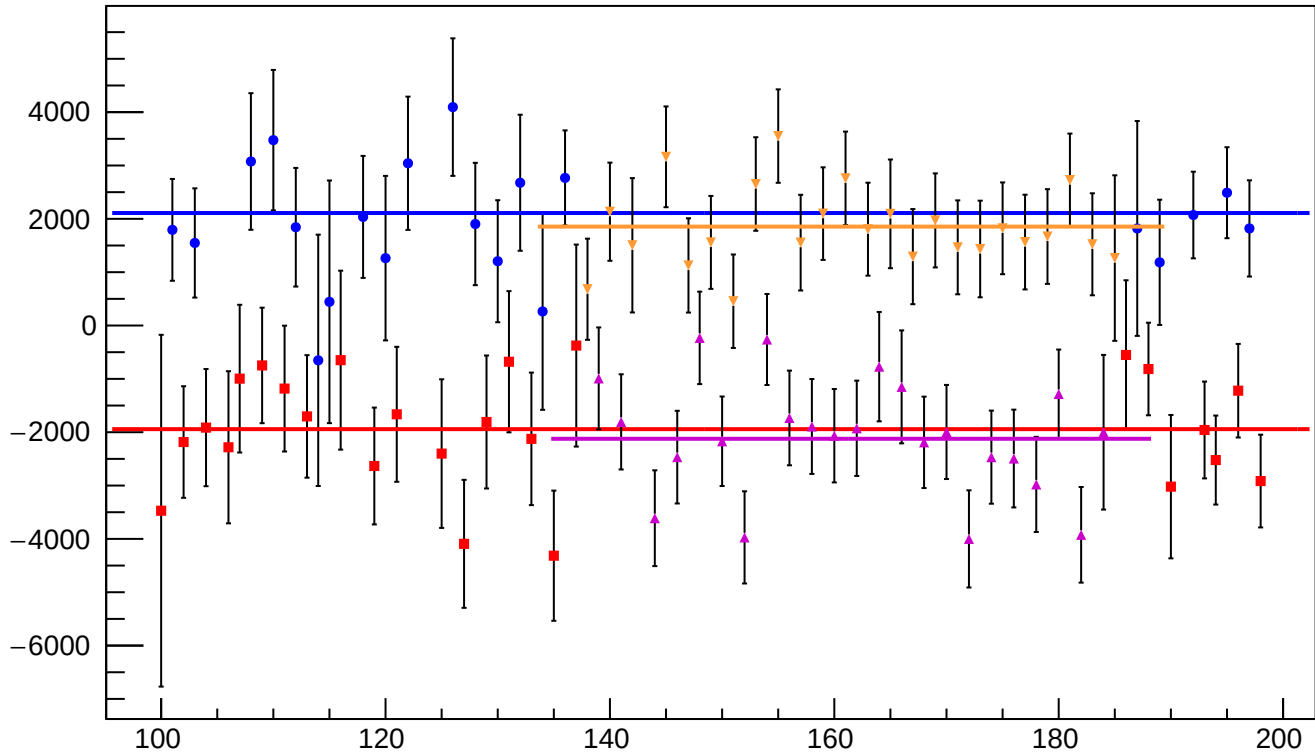


reg_asym_us_avg_mean vs Slug



Right In: 2109.111+/-252.915

χ^2/NDF : 10.6/20

Left Out: 1854.267+/-187.405

χ^2/NDF : 15.1/23

Right Out: -1942.471+/-231.368

χ^2/NDF : 18.0/24

Left In: -2123.138+/-188.684

χ^2/NDF : 32.0/22

+ sign 1944.595+/-150.574

χ^2/NDF : 26.4/44

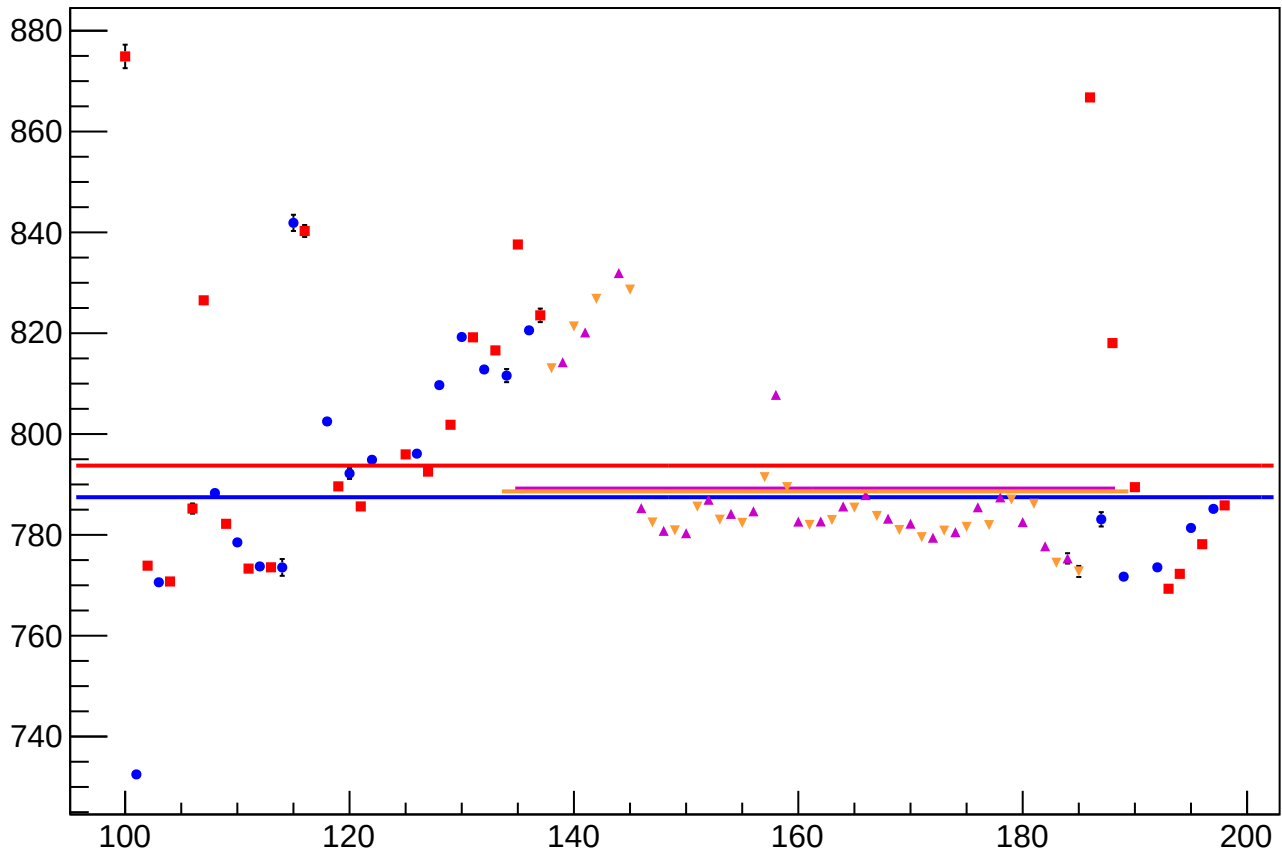
All: -111.729+/-104.900

χ^2/NDF : 439.1/92

- sign -2050.975+/-146.224

χ^2/NDF : 50.3/47

reg_asym_us_avg_rms vs Slug



Right In: 787.471 $\pm$ 0.179 χ^2 /NDF: 16574.6/20

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

Right Out: 793.739 $\pm$ 0.164 χ^2 /NDF: 22277.8/24

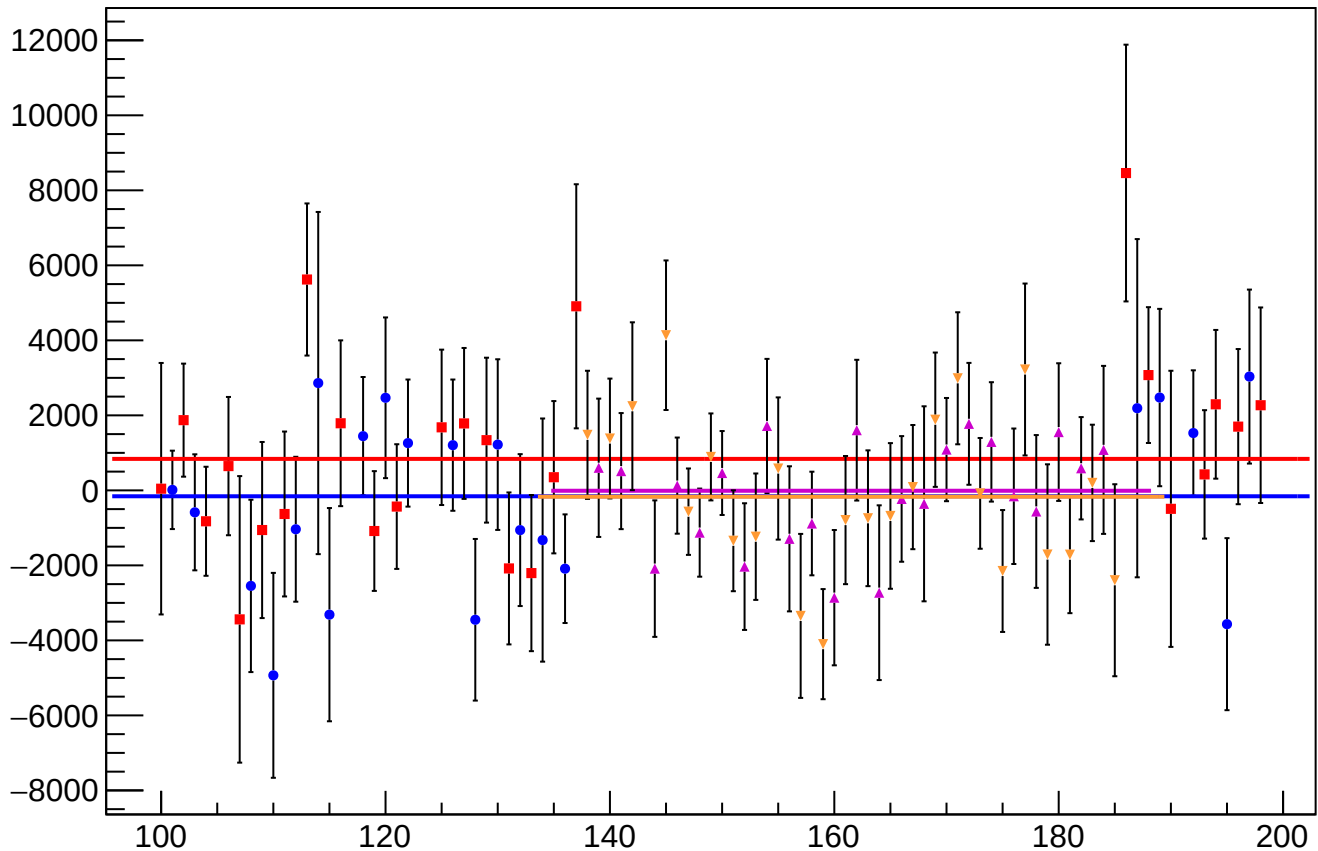
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

+ sign 788.219 $\pm$ 0.106 χ^2 /NDF: 28079.8/44

All: 789.652 $\pm$ 0.074 χ^2 /NDF: 62518.4/92

- sign 791.004 $\pm$ 0.103 χ^2 /NDF: 34086.4/47

asym_us_avg_correction_mean vs Slug



Right In: -157.502 $\pm$ 423.431 χ^2/NDF : 21.4/20

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

Right Out: 839.378 $\pm$ 411.889 χ^2/NDF : 25.9/24

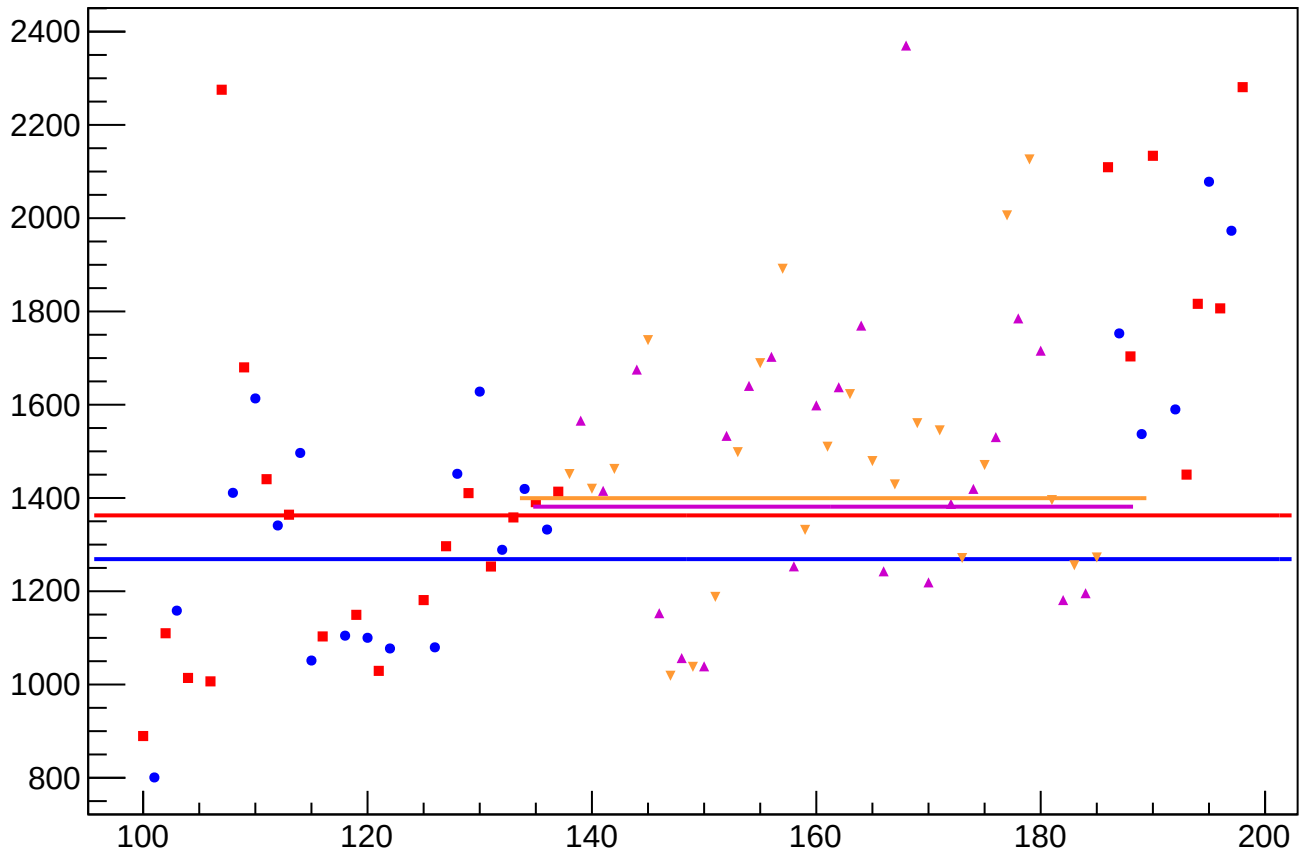
Left In: -10.093 $\pm$ 337.810 χ^2/NDF : 14.2/22

+ sign -164.591 $\pm$ 265.297 χ^2/NDF : 51.4/44

All: 87.324 $\pm$ 186.127 χ^2/NDF : 95.9/92

- sign 331.517 $\pm$ 261.199 χ^2/NDF : 42.7/47

asym_us_avg_correction_rms vs Slug



Right In: 1268.888 $\pm$ 0.299 χ^2 /NDF: 1181850.7/20

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

Right Out: 1362.659 $\pm$ 0.291 χ^2 /NDF: 1311760.1/24

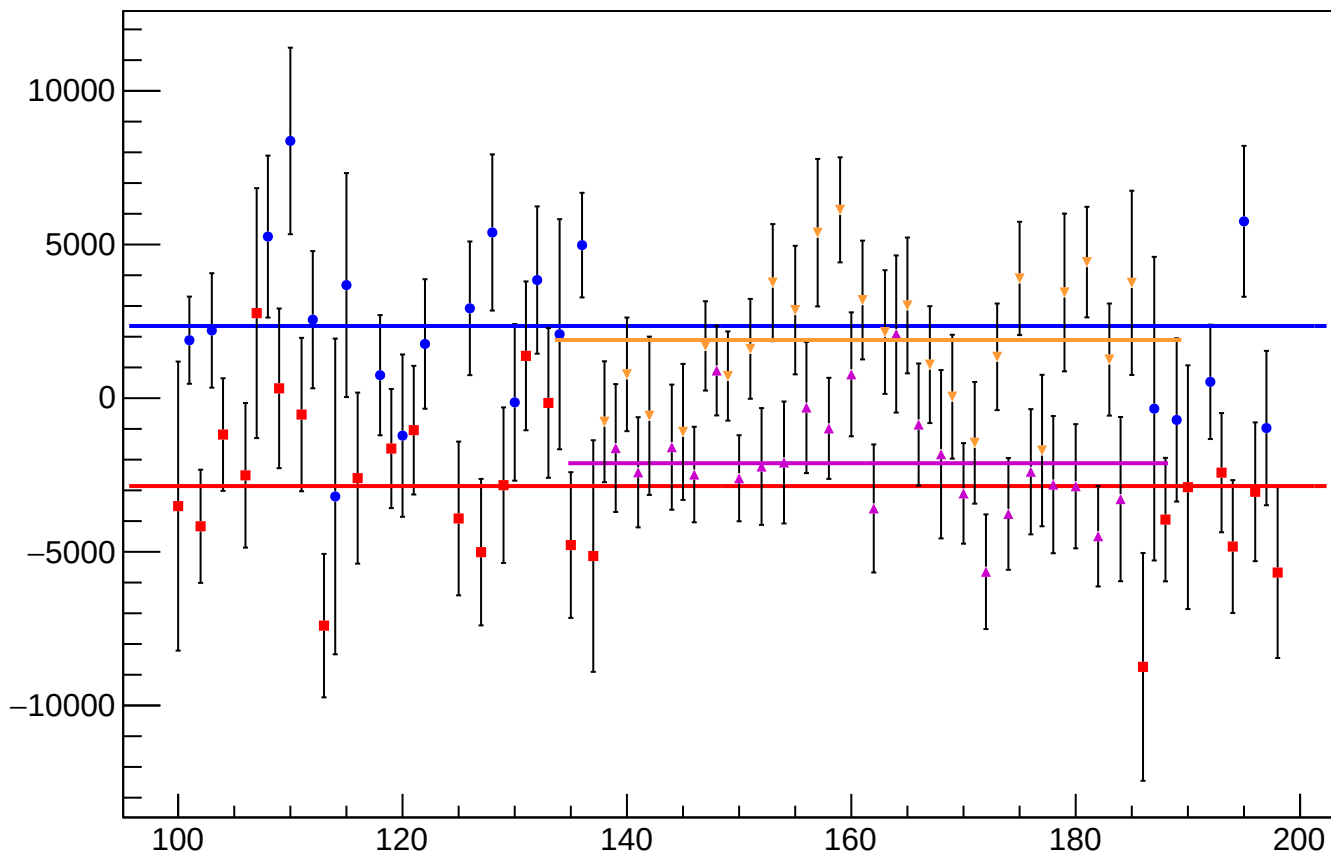
Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF:1276488.2/22

+ sign 1348.281 $\pm$ 0.188 χ^2 /NDF: 2416724.2/44

All: 1361.258 $\pm$ 0.132 χ^2 /NDF: 5016862.5/92

- sign 1373.838 $\pm$ 0.185 χ^2 /NDF: 2590713.0/47

asym_us_avg_mean vs Slug



Right In: 2348.958 ± 507.089 χ^2/NDF : 20.6/20

Left Out: 1893.469 ± 394.877 χ^2/NDF : 25.9/23

Right Out: -2860.389 ± 484.281 χ^2/NDF : 21.6/24

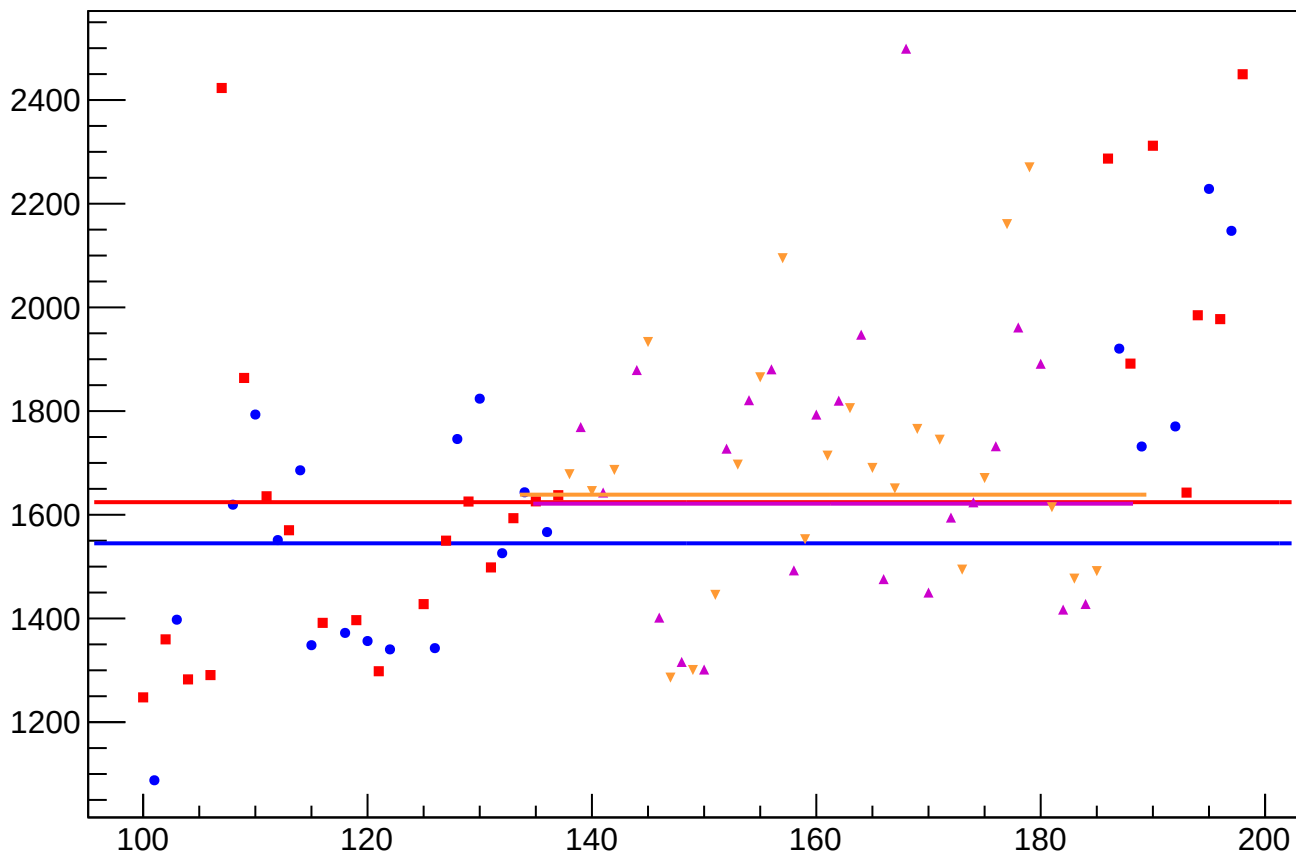
Left In: -2116.114 ± 392.997 χ^2/NDF : 18.8/22

+ sign 2065.410 ± 311.556 χ^2/NDF : 47.1/44

All: -219.547 ± 218.006 χ^2/NDF : 194.3/92

- sign -2411.636 ± 305.159 χ^2/NDF : 41.9/47

asym_us_avg_rms vs Slug



Right In: 1544.934+/-0.359 χ^2 /NDF: 663821.1/20

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

Right Out: 1624.305+/-0.342 χ^2 /NDF: 809818.6/24

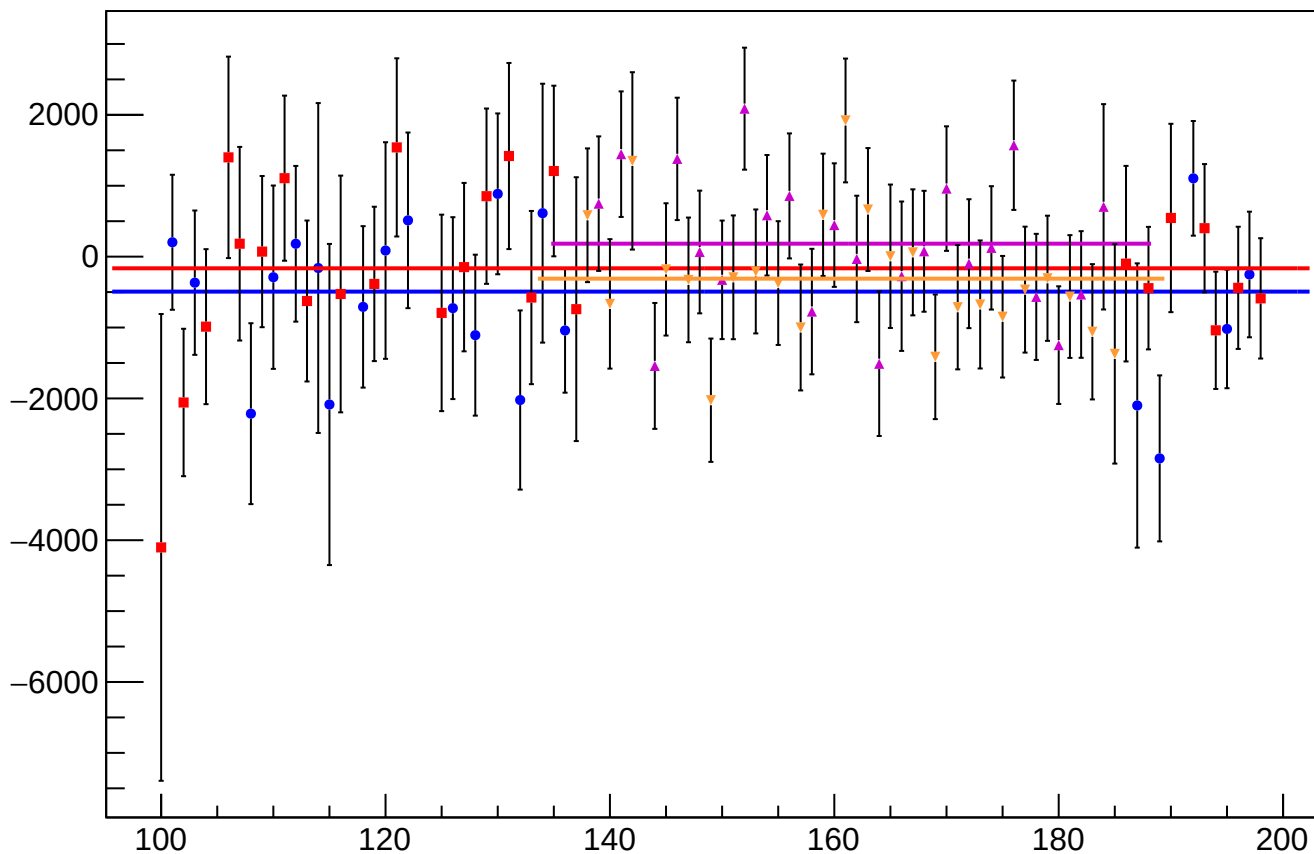
Left In: 1621.417+/-0.278 χ^2 /NDF: 775310.1/22

+ sign 1603.371+/-0.220 χ^2 /NDF: 1378393.7/44

All: 1613.166+/-0.154 χ^2 /NDF: 2967438.9/92

- sign 1622.564+/-0.216 χ^2 /NDF: 1585171.6/47

reg_asym_us_dd_mean vs Slug



Right In: -493.300 ± 250.502 χ^2/NDF : 17.2/20

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

Right Out: -164.580 ± 228.955 χ^2/NDF : 16.0/24

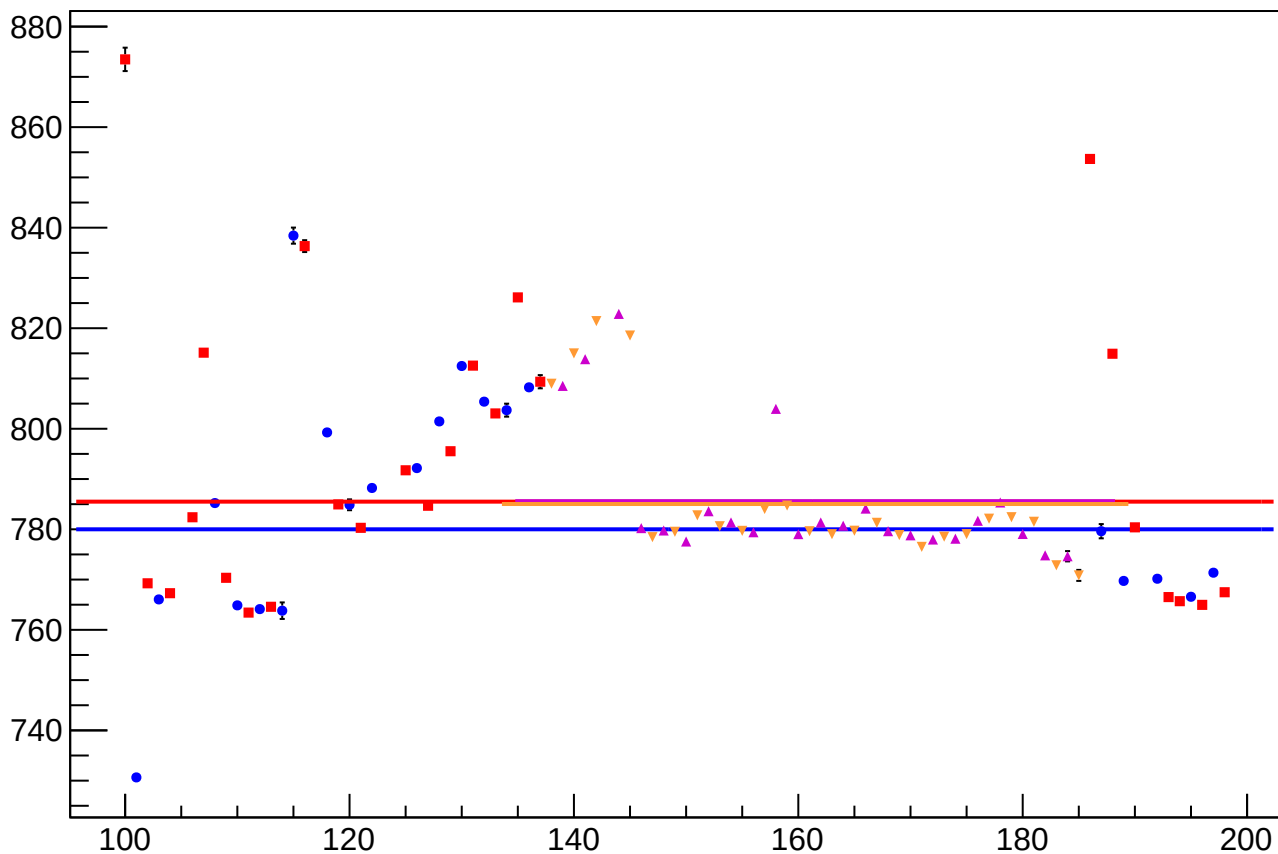
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -375.748 ± 149.613 χ^2/NDF : 37.6/44

All: -160.057 ± 104.201 χ^2/NDF : 85.2/92

- sign 43.125 ± 145.210 χ^2/NDF : 43.5/47

reg_asym_us_dd_rms vs Slug



Right In: 779.999 $\pm$ 0.177 χ^2 /NDF: 15488.4/20

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

Right Out: 785.501 $\pm$ 0.162 χ^2 /NDF: 22454.7/24

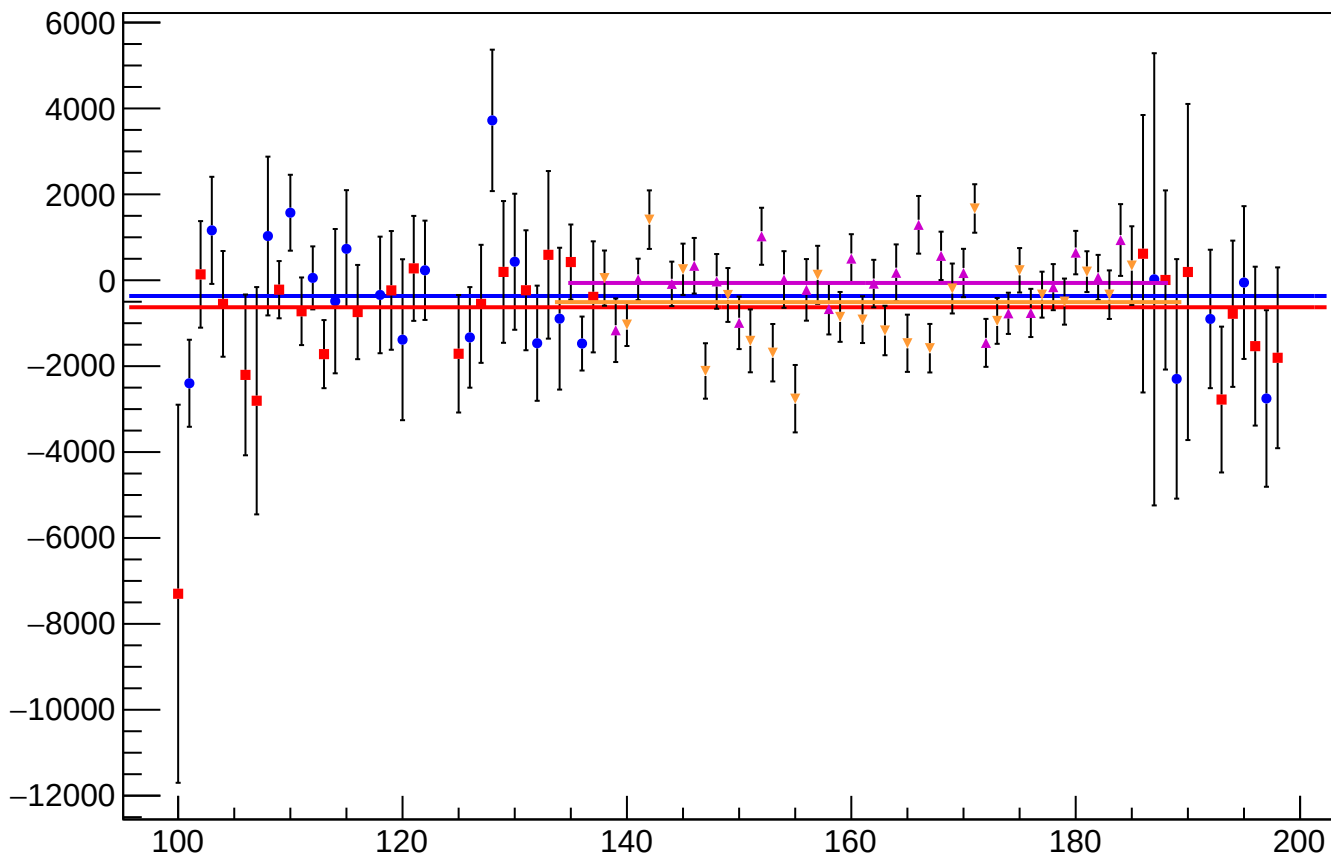
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 783.236 $\pm$ 0.106 χ^2 /NDF: 25375.4/44

All: 784.430 $\pm$ 0.074 χ^2 /NDF: 57451.6/92

- sign 785.556 $\pm$ 0.103 χ^2 /NDF: 31828.6/47

asym_us_dd_correction_mean vs Slug



Right In: -366.418 $\pm$ 271.443 χ^2 /NDF: 25.4/20

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

Right Out: -628.583 $\pm$ 258.309 χ^2 /NDF: 12.3/24

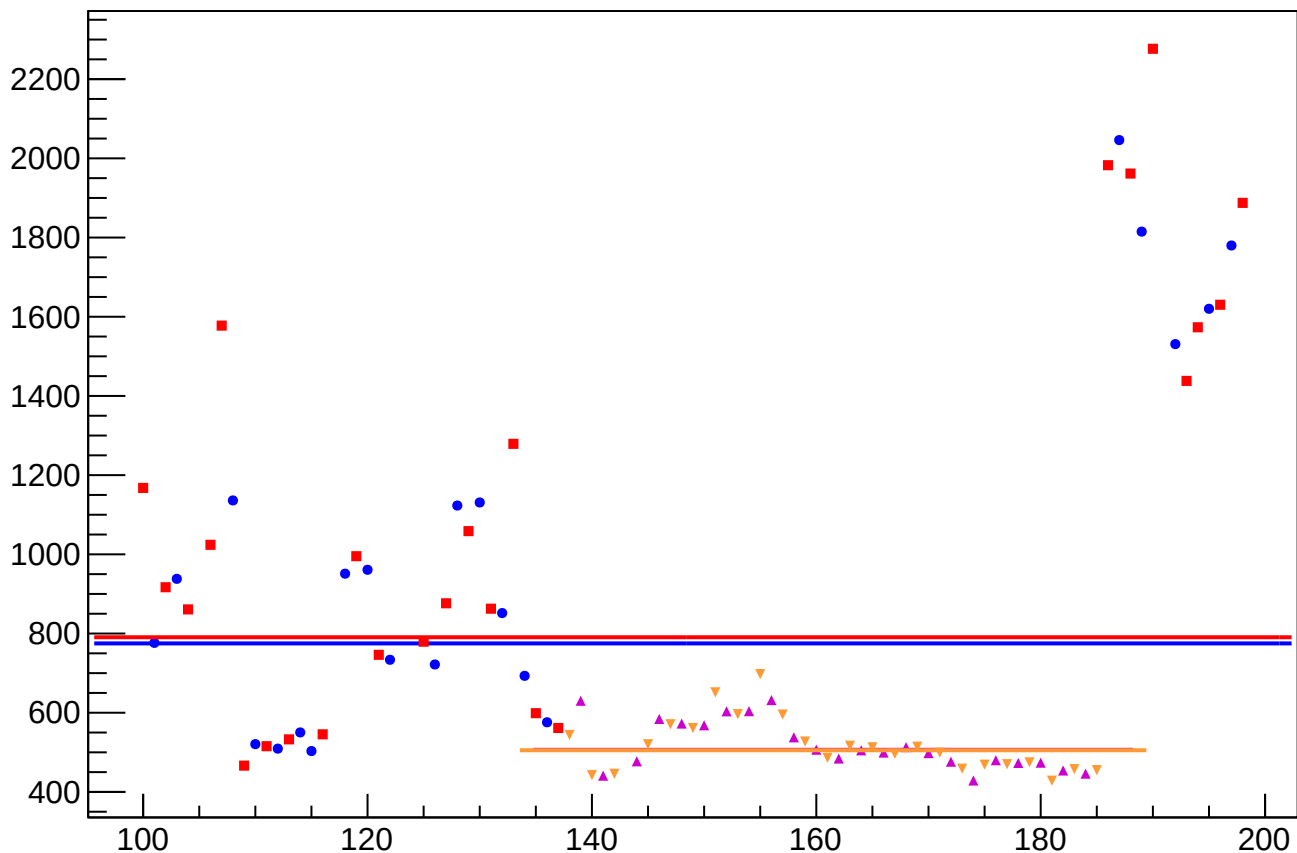
Left In: -62.768 $\pm$ 122.045 χ^2 /NDF:28.8/22

+ sign -485.562 $\pm$ 110.662 χ^2 /NDF: 86.2/44

All: -325.341 $\pm$ 78.139 χ^2 /NDF: 135.3/92

- sign -166.027 $\pm$ 110.349 χ^2 /NDF: 45.0/47

asym_us_dd_correction_rms vs Slug



Right In: 775.049+/-0.192 χ^2/NDF : 2880957.7/20

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

Right Out: 790.581+/-0.183 χ^2/NDF : 4536649.8/24

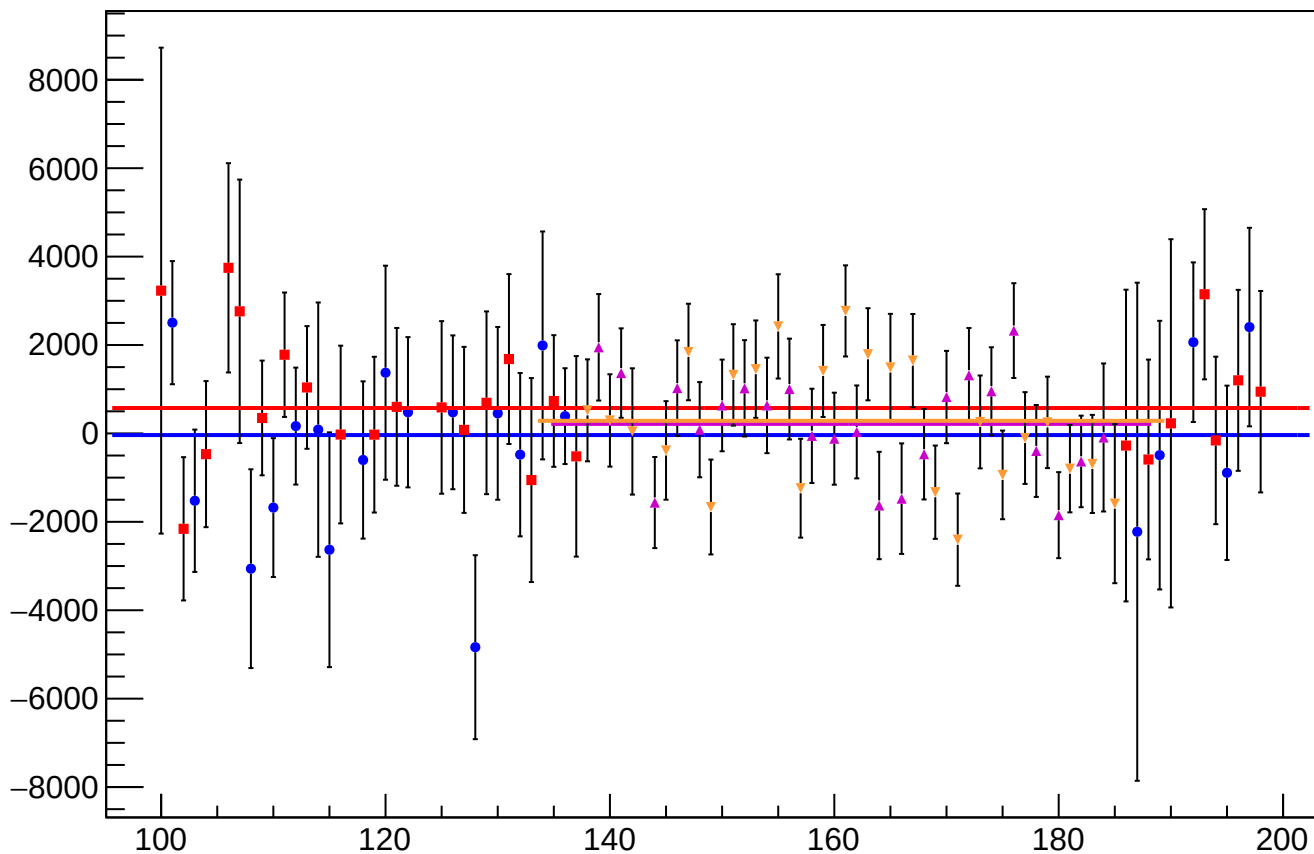
Left In: 506.380+/-0.086 χ^2/NDF : 436294.4/22

+ sign 550.066+/-0.078 χ^2/NDF : 5014369.2/44

All: 554.168+/-0.055 χ^2/NDF : 11971994.1/92

- sign 558.246+/-0.078 χ^2/NDF : 6952146.4/47

asym_us_dd_mean vs Slug



Right In: -37.165 ± 401.926 χ^2/NDF : 17.8/20

Left Out: 285.144 ± 224.378 χ^2/NDF : 38.3/23

Right Out: 574.669 ± 384.281 χ^2/NDF : 10.4/24

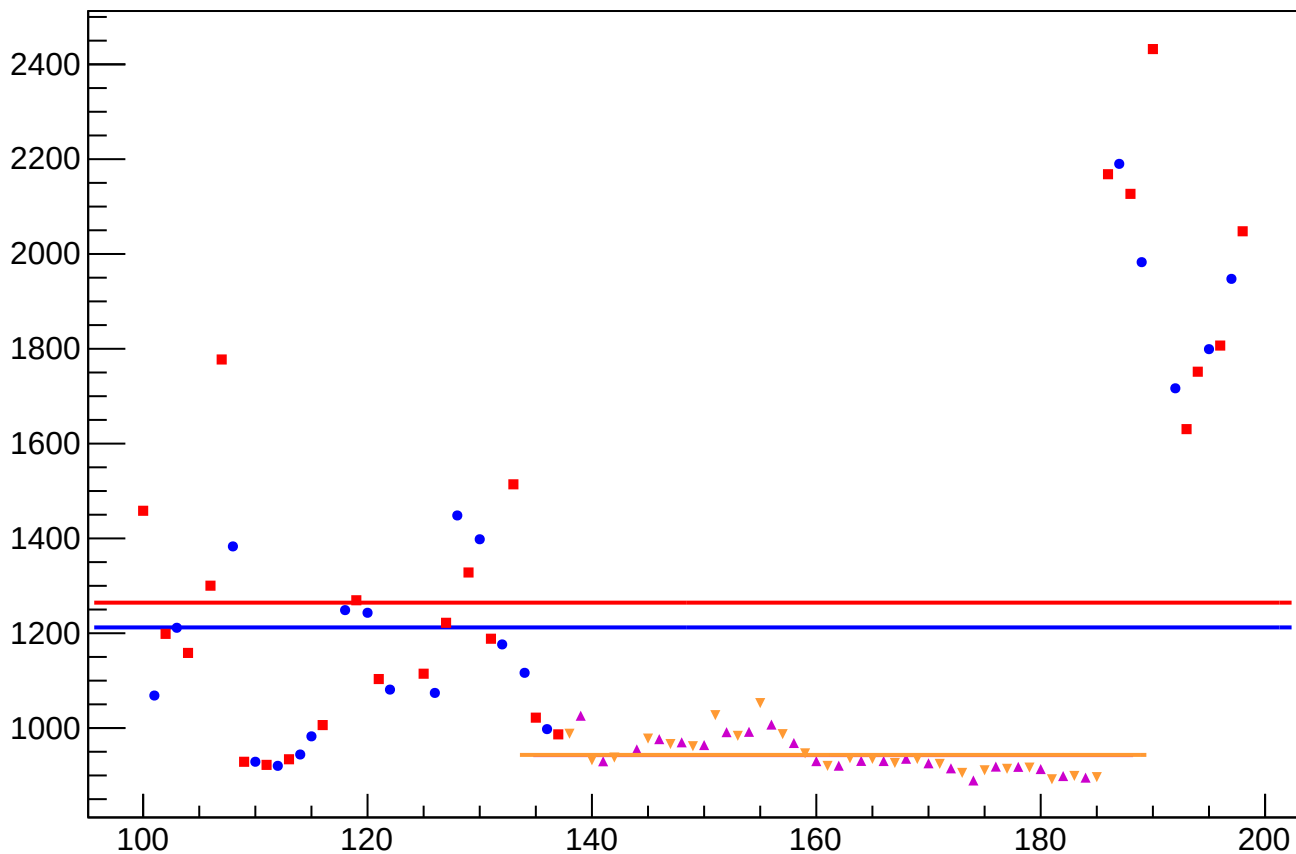
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 208.563 ± 195.916 χ^2/NDF : 56.5/44

All: 258.640 ± 138.049 χ^2/NDF : 92.2/92

- sign 308.022 ± 194.552 χ^2/NDF : 35.5/47

asym_us_dd_rms vs Slug



Right In: 1212.289+/-0.284 χ^2/NDF : 1115588.7/20

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

Right Out: 1264.521+/-0.272 χ^2/NDF : 1774269.1/24

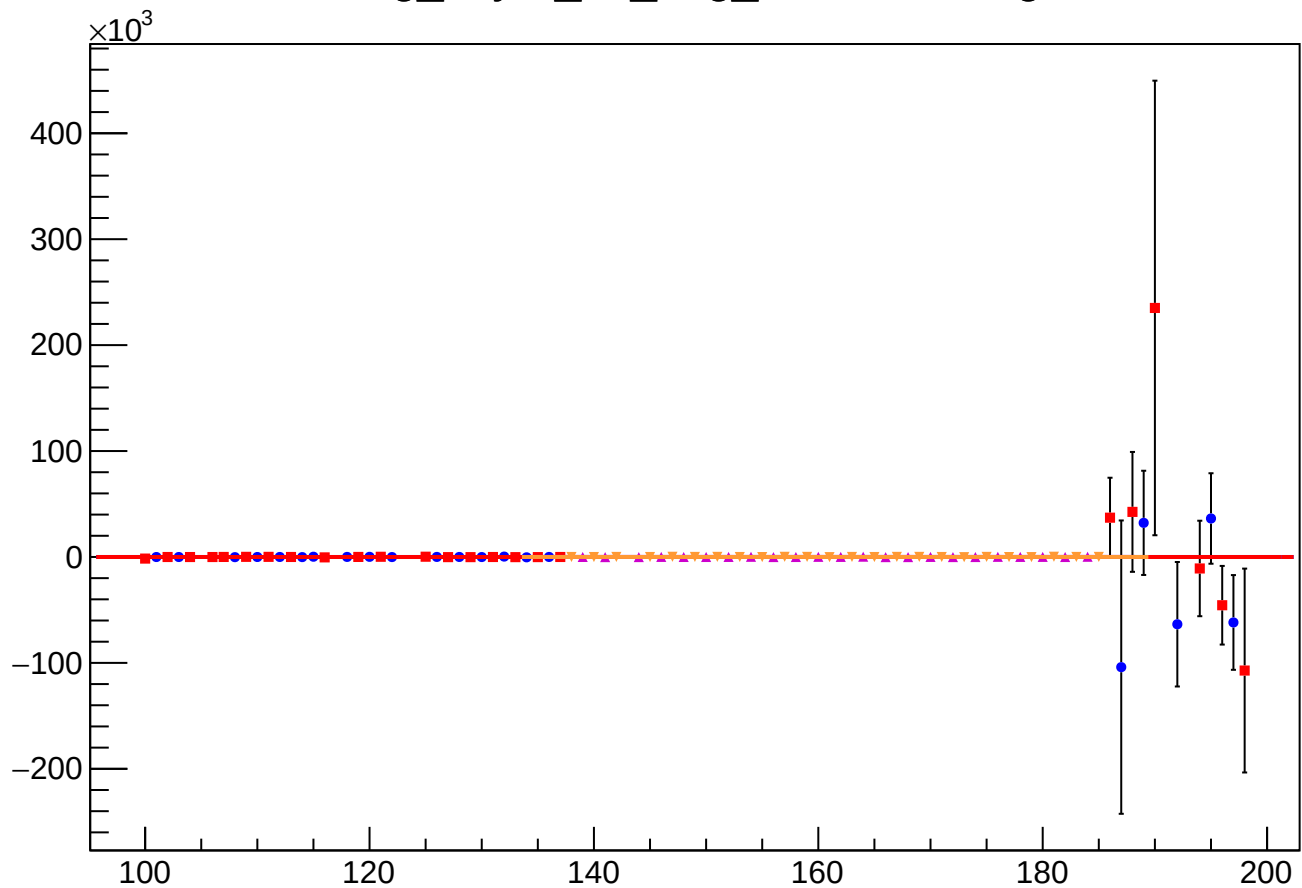
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1007.251+/-0.139 χ^2/NDF : 1858647.1/44

All: 1016.366+/-0.098 χ^2/NDF : 4731612.2/92

- sign 1025.356+/-0.138 χ^2/NDF : 2864365.7/47

reg_asym_ds_avg_mean vs Slug



Right In: -15.571 ± 30.032 χ^2/NDF : 20.7/20

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

Right Out: -31.759 ± 30.492 χ^2/NDF : 22.3/23

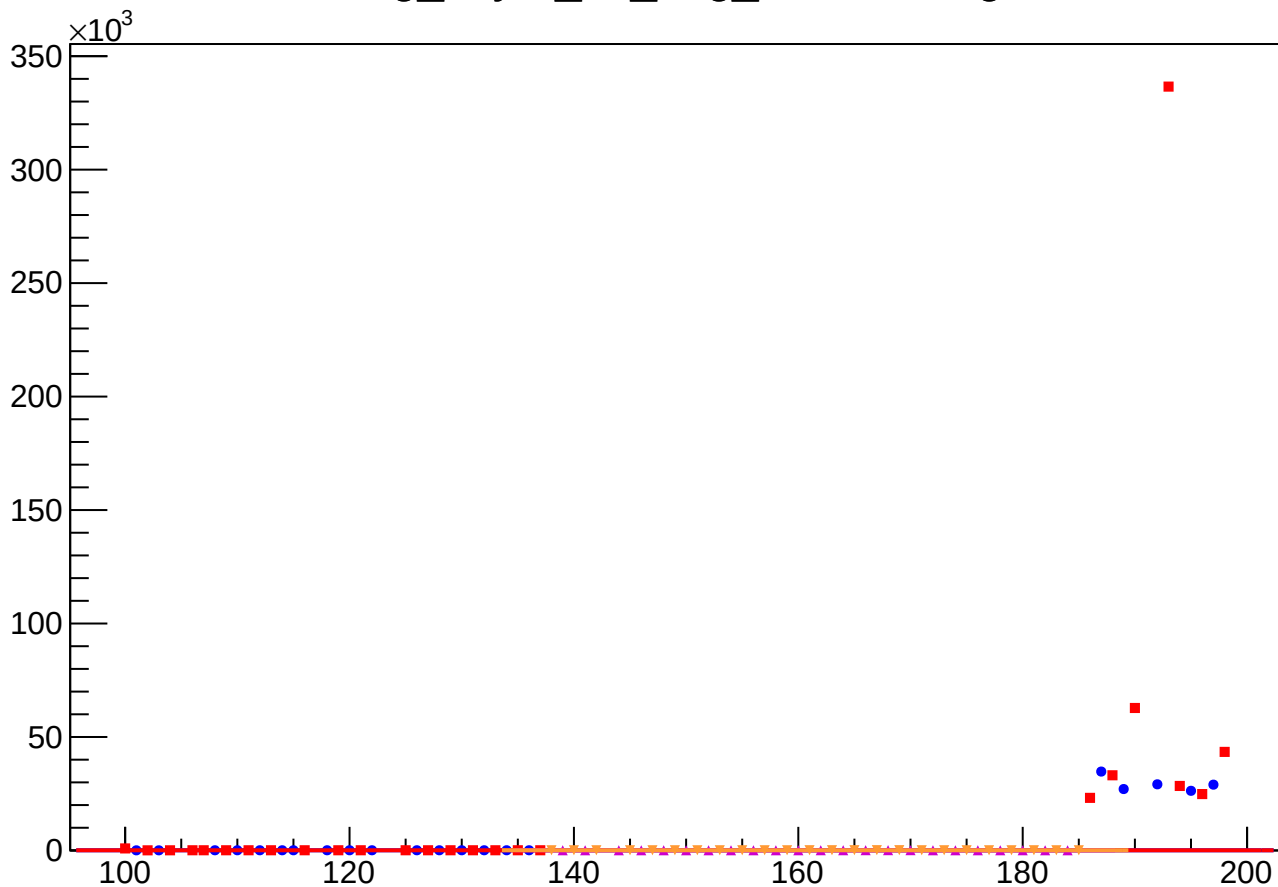
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.810 ± 17.464 χ^2/NDF : 43.5/44

All: 0.900 ± 12.403 χ^2/NDF : 90.5/91

- sign 4.674 ± 17.617 χ^2/NDF : 47.0/46

reg_asym_ds_avg_rms vs Slug



Right In: 76.099 $\pm$ 0.021 χ^2 /NDF: 3238689.2/20

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

Right Out: 79.432 $\pm$ 0.022 χ^2 /NDF: 4185355.4/24

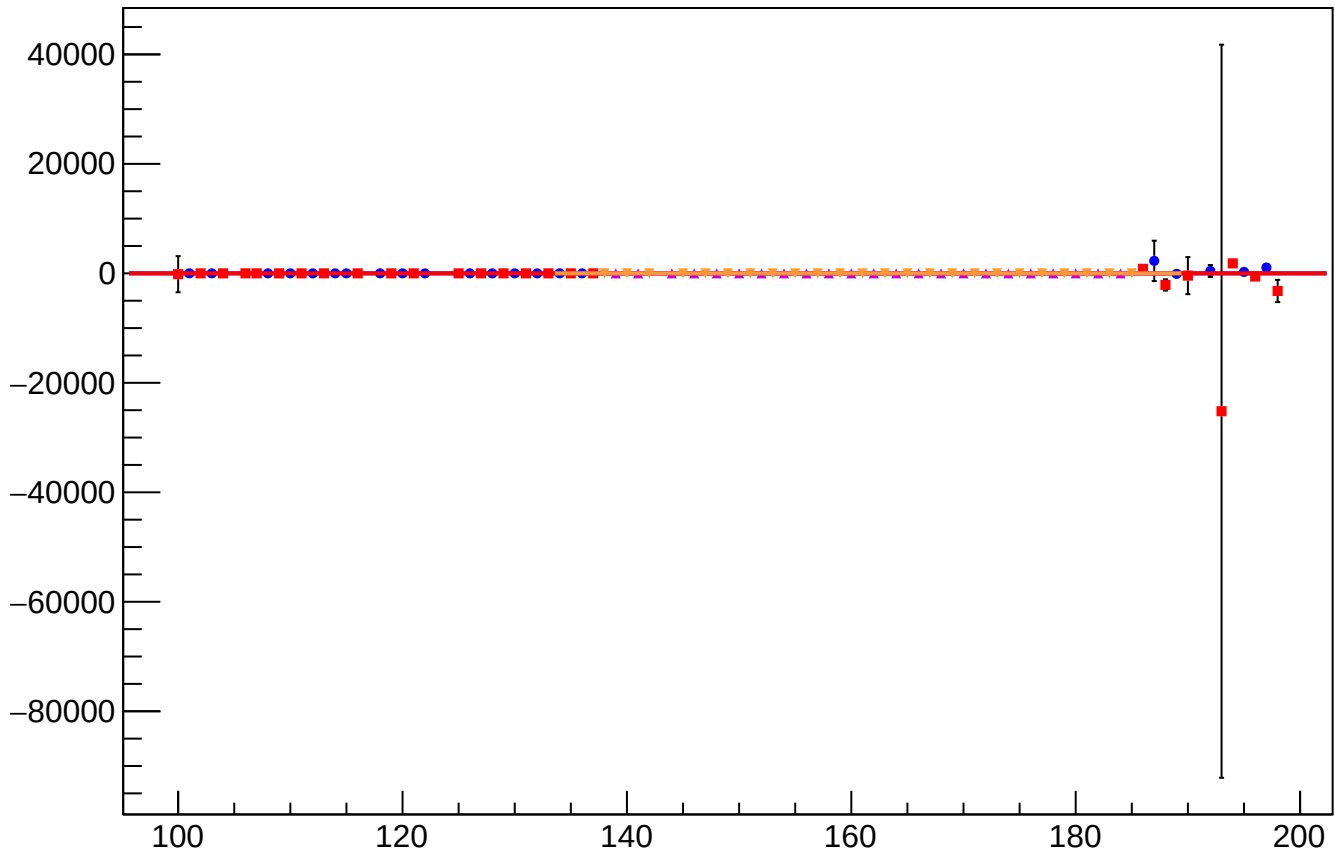
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.095 $\pm$ 0.012 χ^2 /NDF: 3976143.6/44

All: 85.644 $\pm$ 0.009 χ^2 /NDF: 8822028.9/92

- sign 86.203 $\pm$ 0.012 χ^2 /NDF: 4841900.1/47

asym_ds_avg_correction_mean vs Slug



Right In: -0.289 $\pm$ 0.502 χ^2/NDF : 22.9/20

Left Out: 0.126 $\pm$ 0.377 χ^2/NDF : 21.3/23

Right Out: -0.039 $\pm$ 0.525 χ^2/NDF : 22.8/24

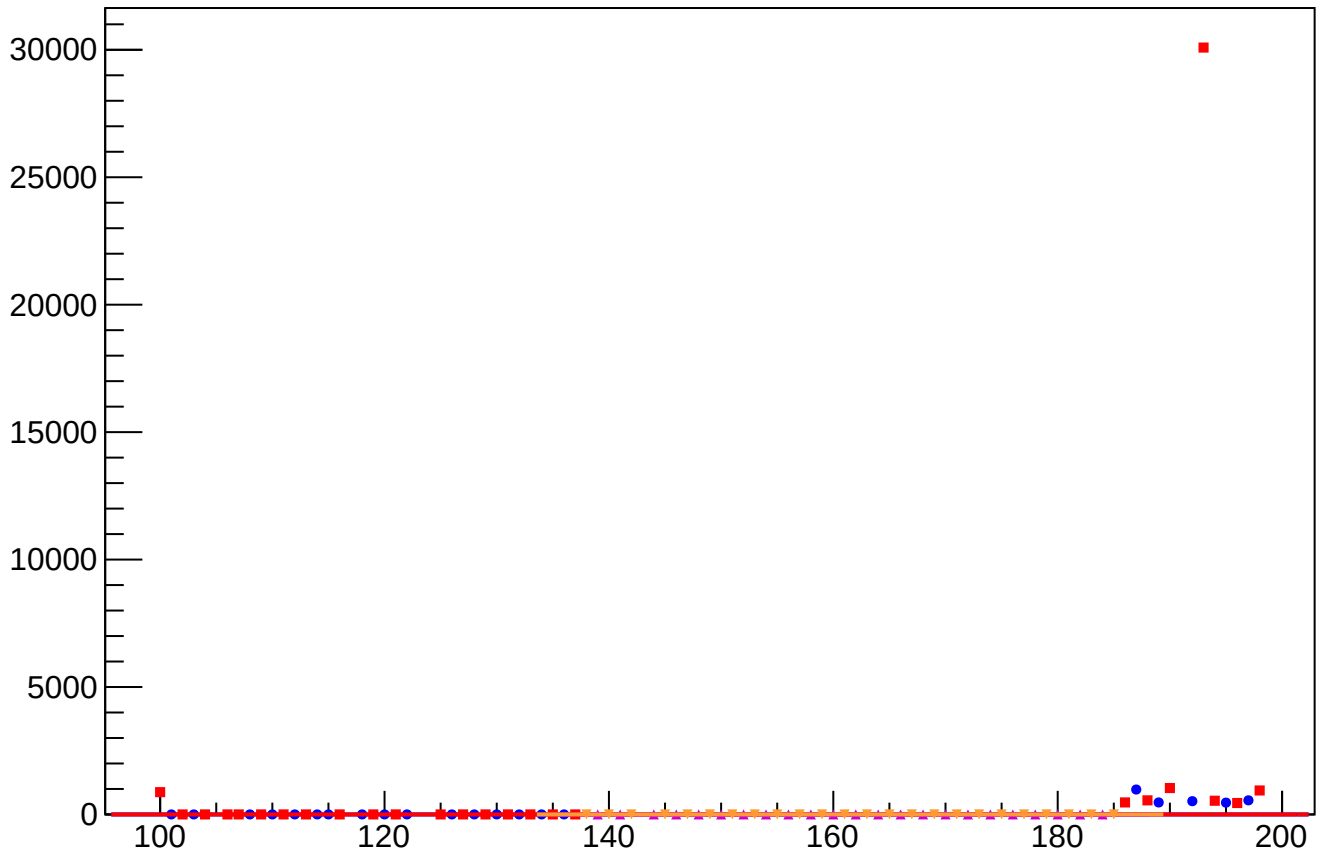
Left In: 0.519 $\pm$ 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 $\pm$ 0.301 χ^2/NDF : 44.7/44

All: 0.144 $\pm$ 0.217 χ^2/NDF : 95.2/92

- sign 0.323 $\pm$ 0.312 χ^2/NDF : 49.9/47

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 3008195.5/20

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

Right Out: 1.260+/-0.000 χ^2/NDF : 4291537.2/24

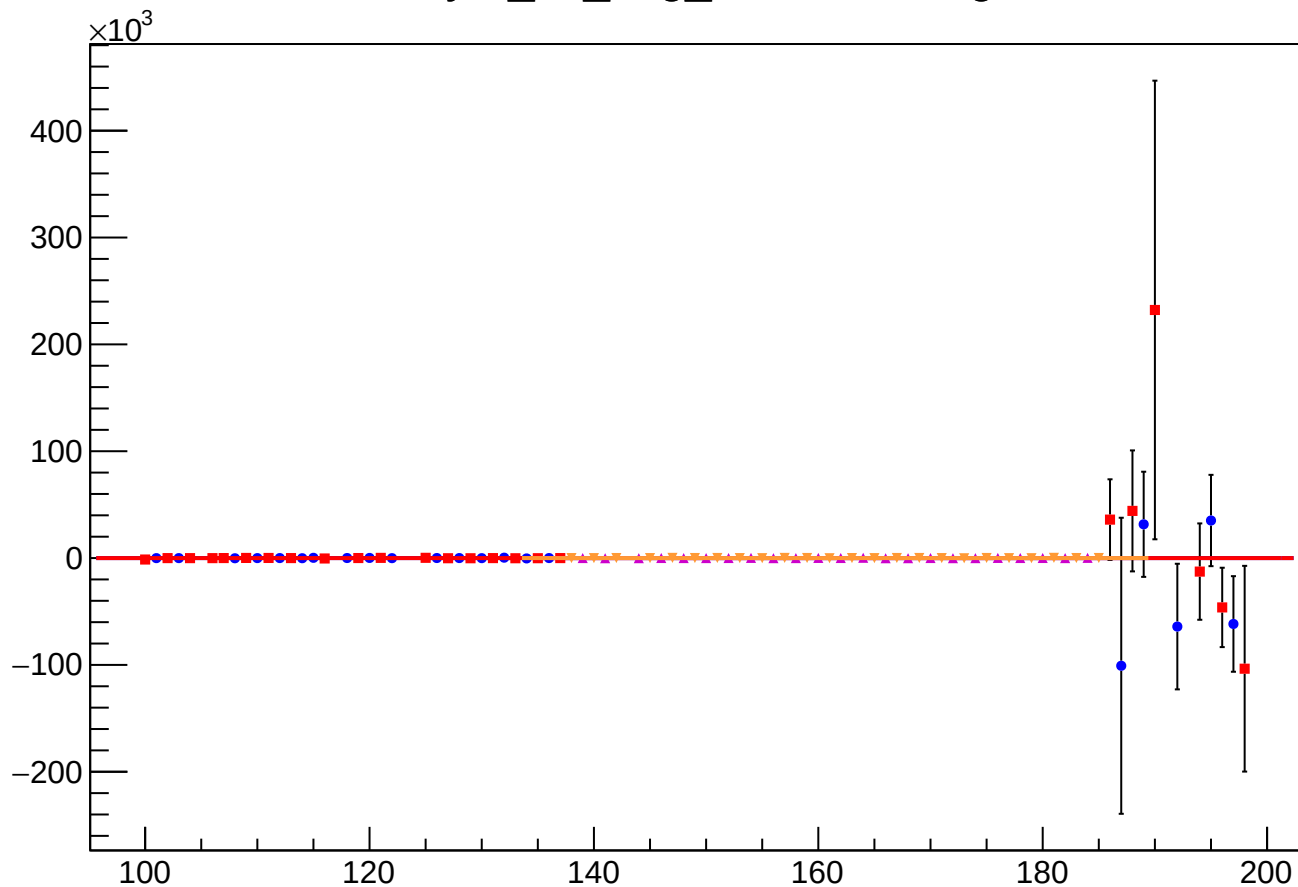
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 4327837.8/44

All: 1.349+/-0.000 χ^2/NDF : 9841622.8/92

- sign 1.385+/-0.000 χ^2/NDF : 5463044.9/47

asym_ds_avg_mean vs Slug



Right In: -14.507 ± 30.040 χ^2/NDF : 20.9/20

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

Right Out: -32.039 ± 30.500 χ^2/NDF : 22.3/23

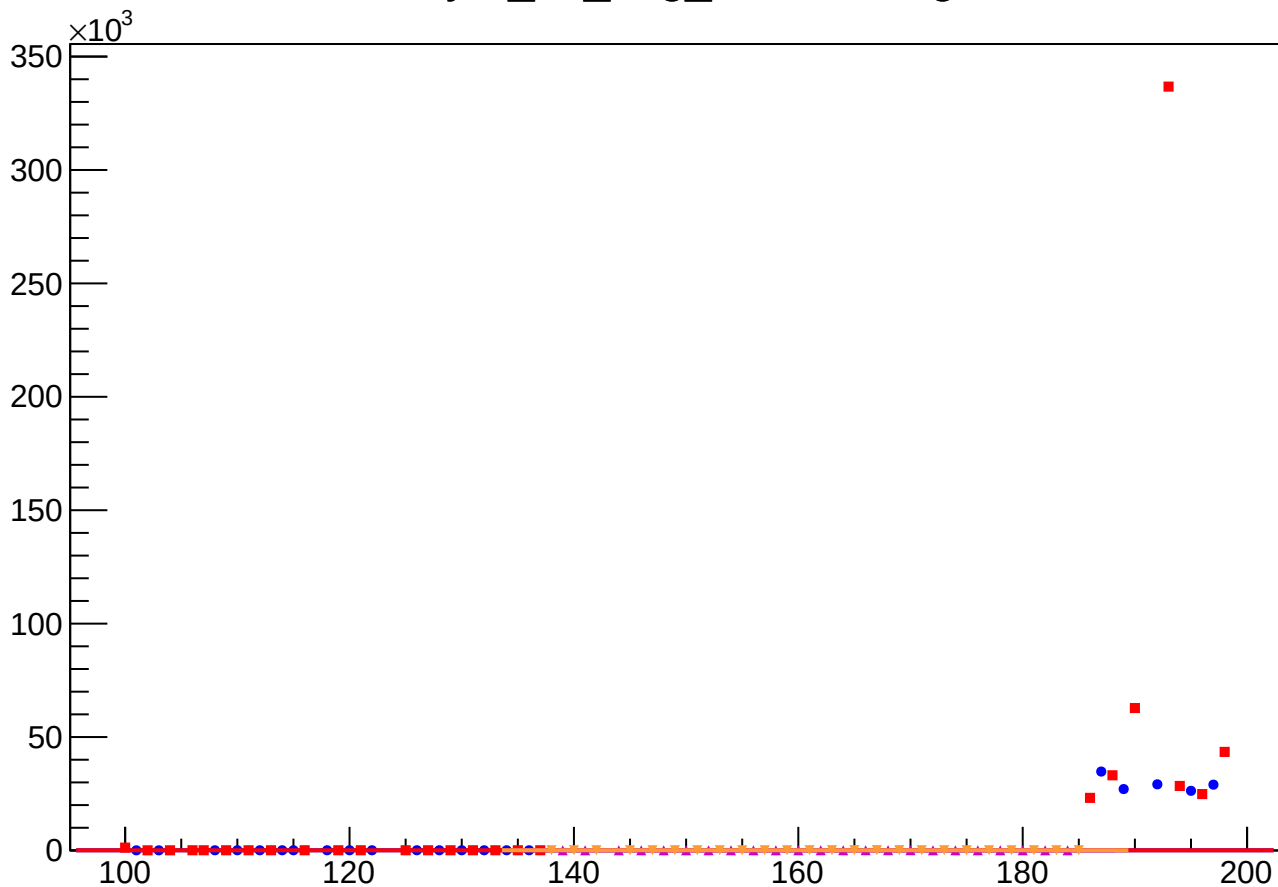
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -2.592 ± 17.470 χ^2/NDF : 43.3/44

All: 0.802 ± 12.407 χ^2/NDF : 90.1/91

- sign 4.257 ± 17.623 χ^2/NDF : 46.7/46

asym_ds_avg_rms vs Slug



Right In: 76.119 $\pm$ 0.021 χ^2 /NDF: 3238744.1/20

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

Right Out: 79.435 $\pm$ 0.022 χ^2 /NDF: 4191941.6/24

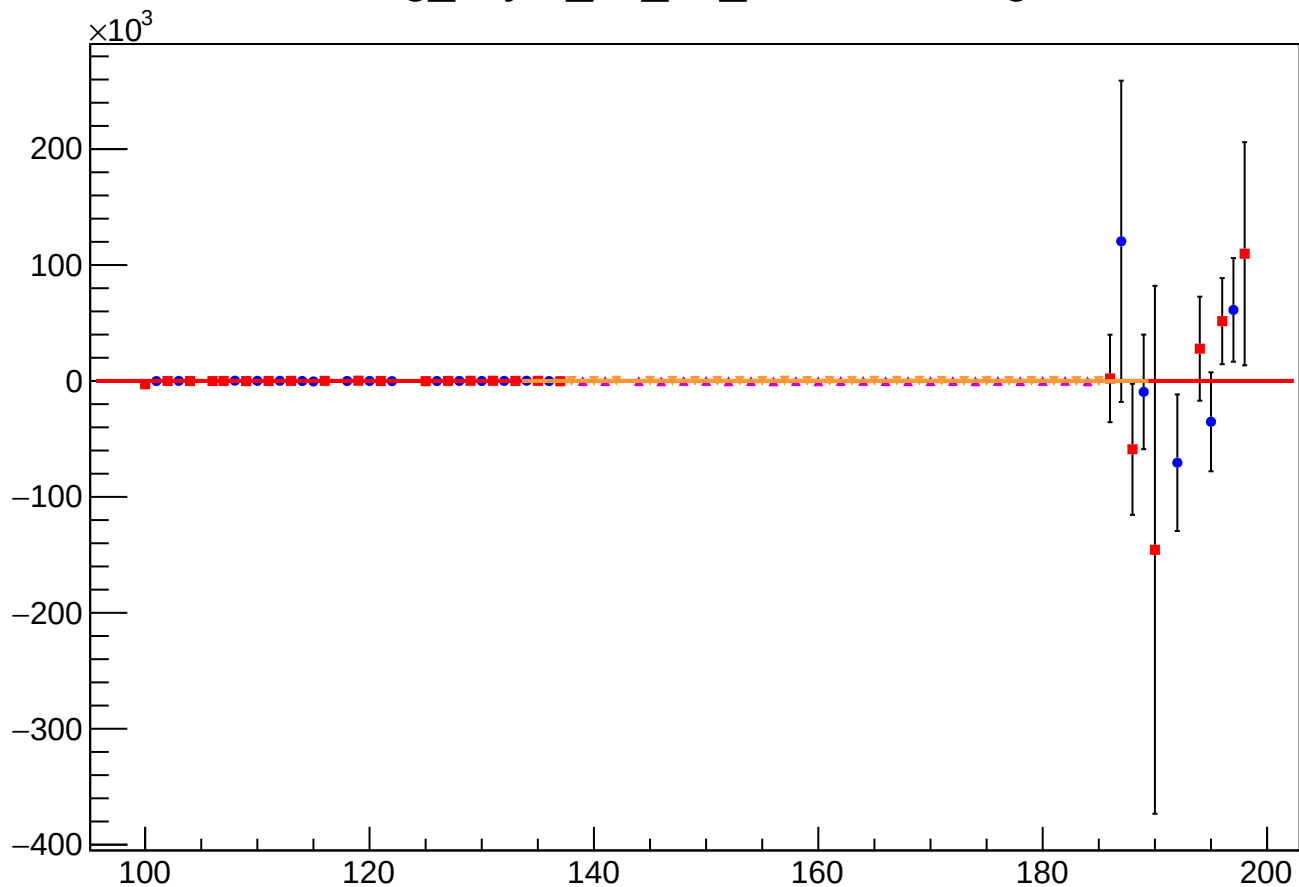
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.119 $\pm$ 0.012 χ^2 /NDF: 3977068.4/44

All: 85.666 $\pm$ 0.009 χ^2 /NDF: 8830971.6/92

- sign 86.221 $\pm$ 0.012 χ^2 /NDF: 4849958.9/47

reg_asym_ds_dd_mean vs Slug



Right In: 8.107 ± 30.012 χ^2/NDF : 18.8/20

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

Right Out: 25.814 ± 30.473 χ^2/NDF : 17.9/23

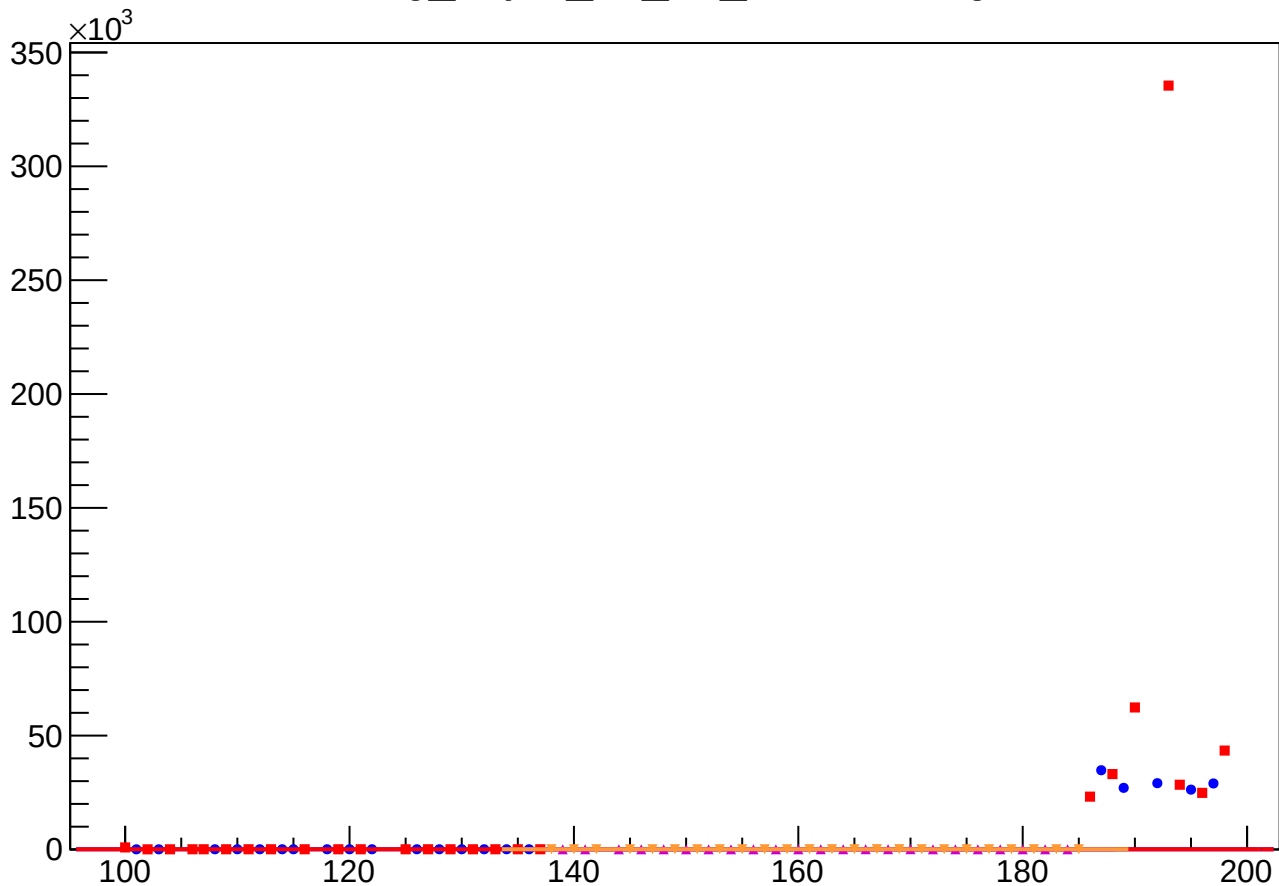
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.848 ± 17.463 χ^2/NDF : 36.0/44

All: -3.569 ± 12.403 χ^2/NDF : 90.6/91

- sign -20.279 ± 17.618 χ^2/NDF : 52.8/46

reg_asym_ds_dd_rms vs Slug



Right In: 76.050 $\pm$ 0.021 χ^2 /NDF: 3237834.8/20

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

Right Out: 79.383 $\pm$ 0.022 χ^2 /NDF: 4184799.9/24

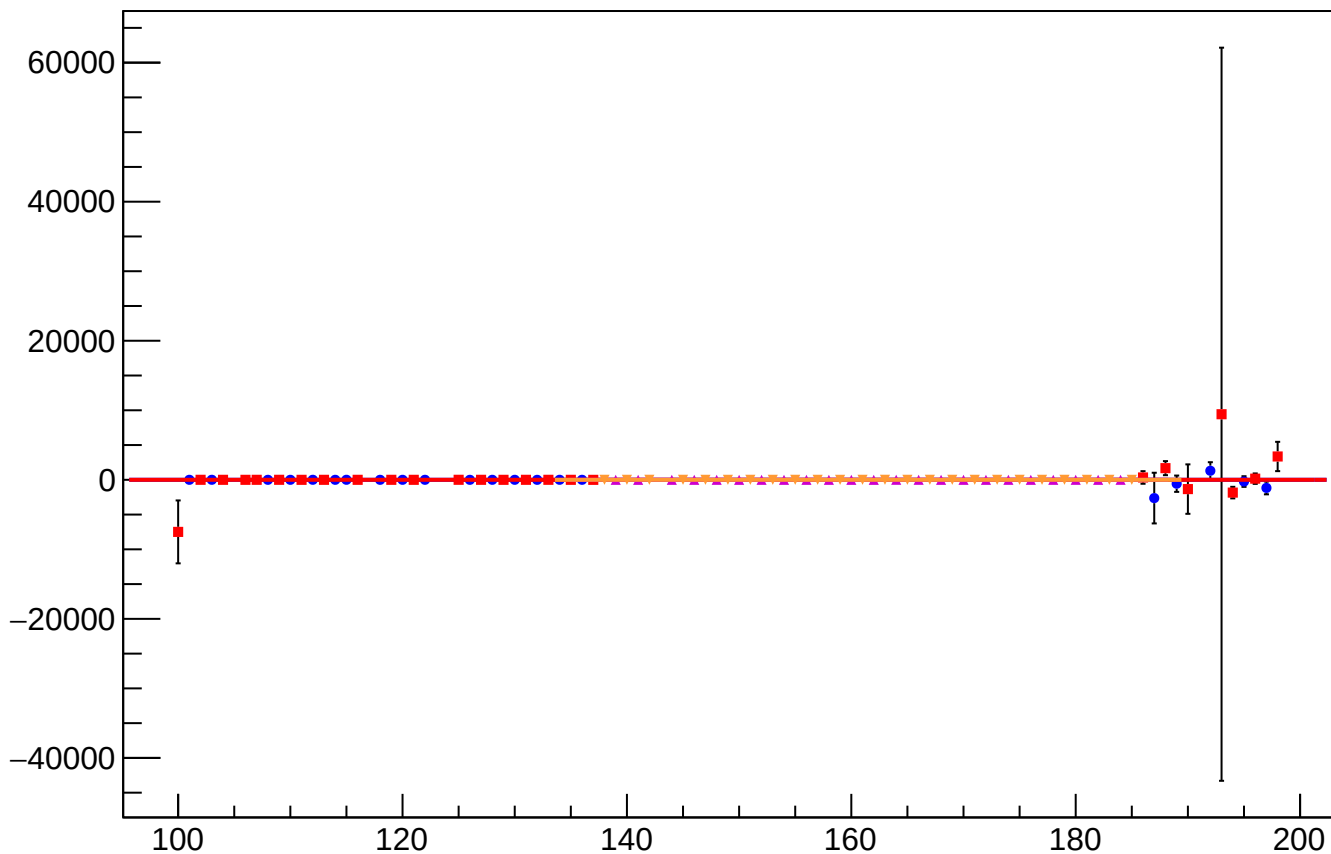
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.086 $\pm$ 0.012 χ^2 /NDF: 3977070.0/44

All: 85.640 $\pm$ 0.009 χ^2 /NDF: 8827443.2/92

- sign 86.203 $\pm$ 0.012 χ^2 /NDF: 4846319.5/47

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 15.5/20

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

Right Out: -0.347 ± 0.549 χ^2/NDF : 24.0/24

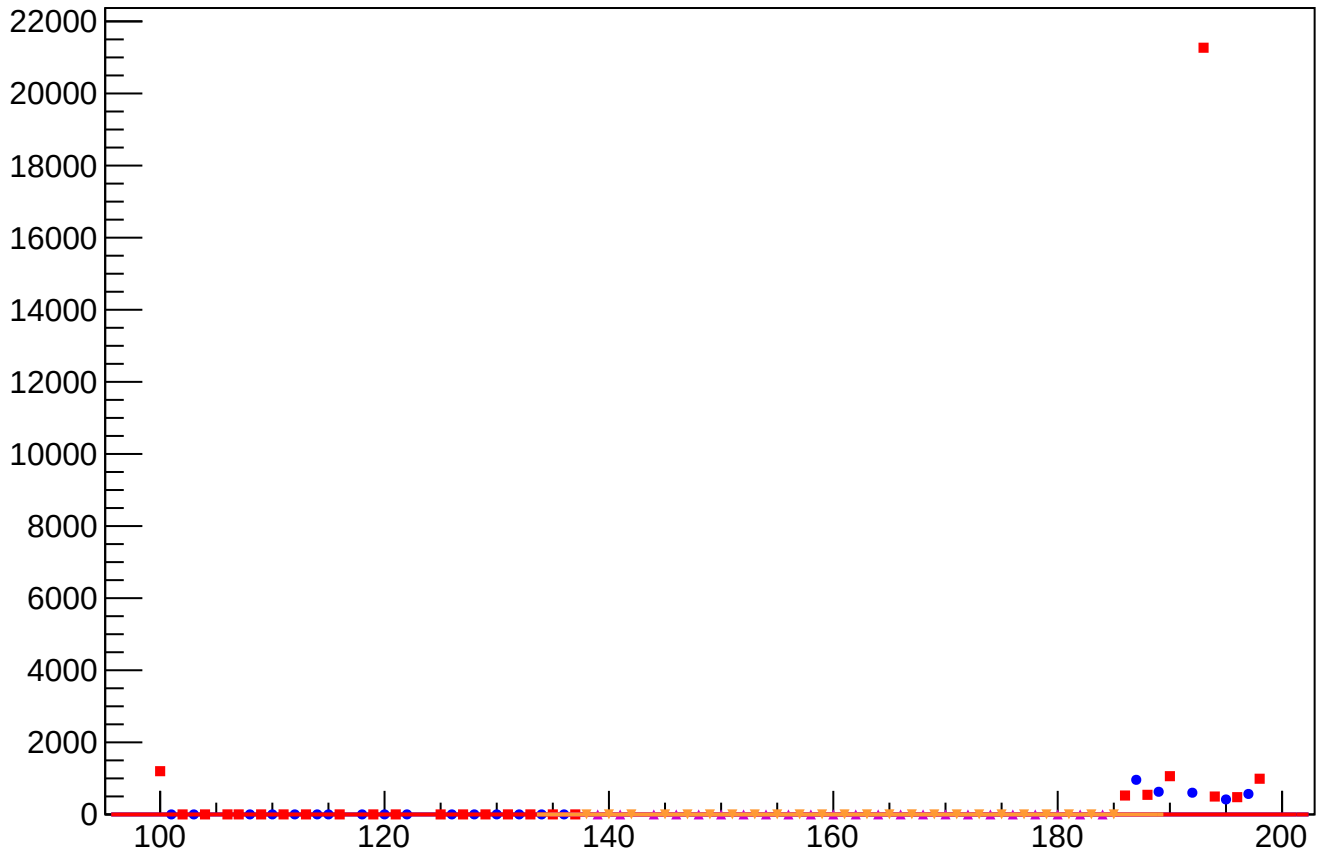
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 40.8/44

All: -0.045 ± 0.224 χ^2/NDF : 85.5/92

- sign -0.069 ± 0.318 χ^2/NDF : 44.8/47

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 3158675.5/20

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

Right Out: 1.316+/-0.000 χ^2/NDF : 4249767.2/24

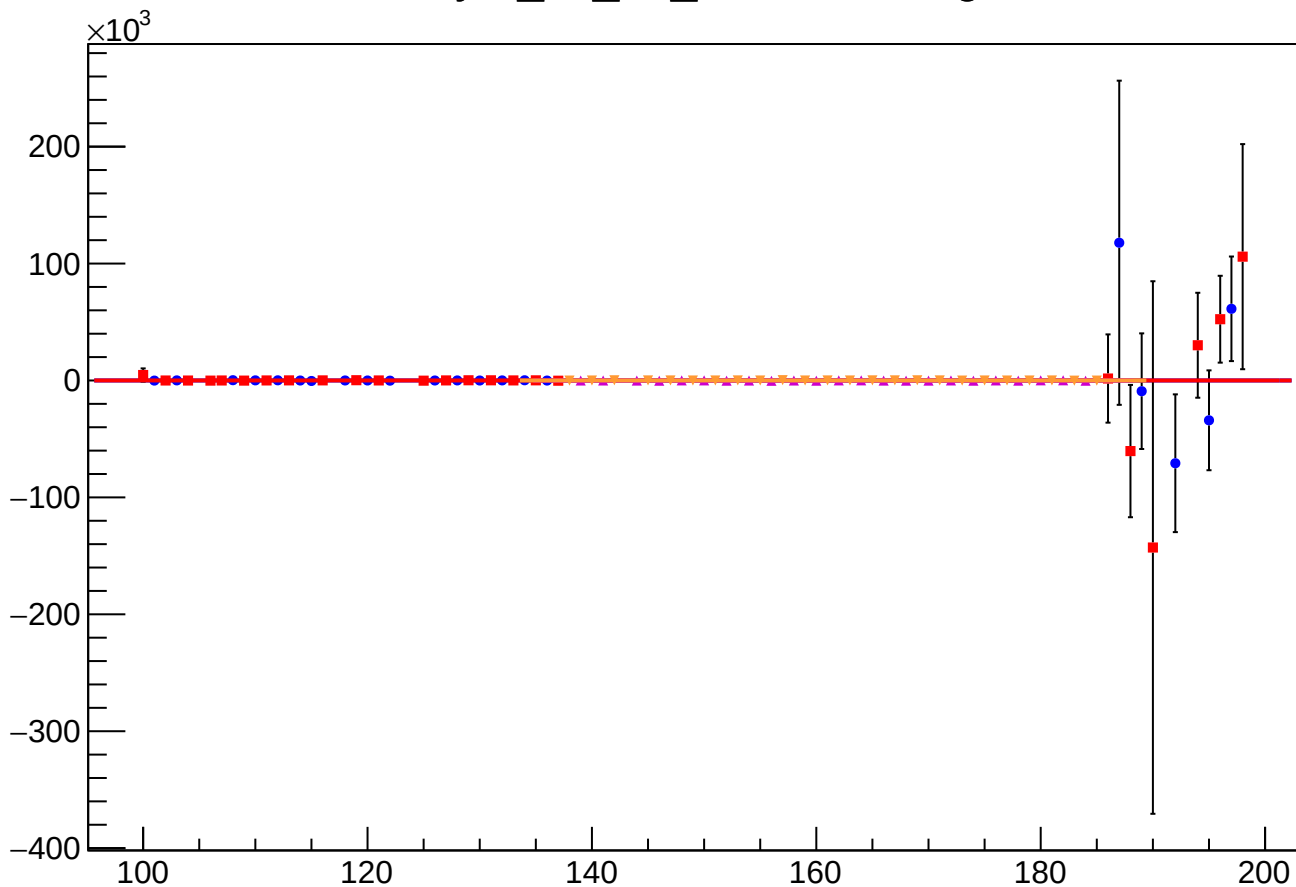
Left In: 1.461+/-0.000 χ^2/NDF : 1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 4570702.5/44

All: 1.400+/-0.000 χ^2/NDF : 9967881.9/92

- sign 1.412+/-0.000 χ^2/NDF : 5390825.1/47

asym_ds_dd_mean vs Slug



Right In: 7.401 ± 30.020 χ^2/NDF : 18.6/20

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

Right Out: 26.425 ± 30.482 χ^2/NDF : 18.2/23

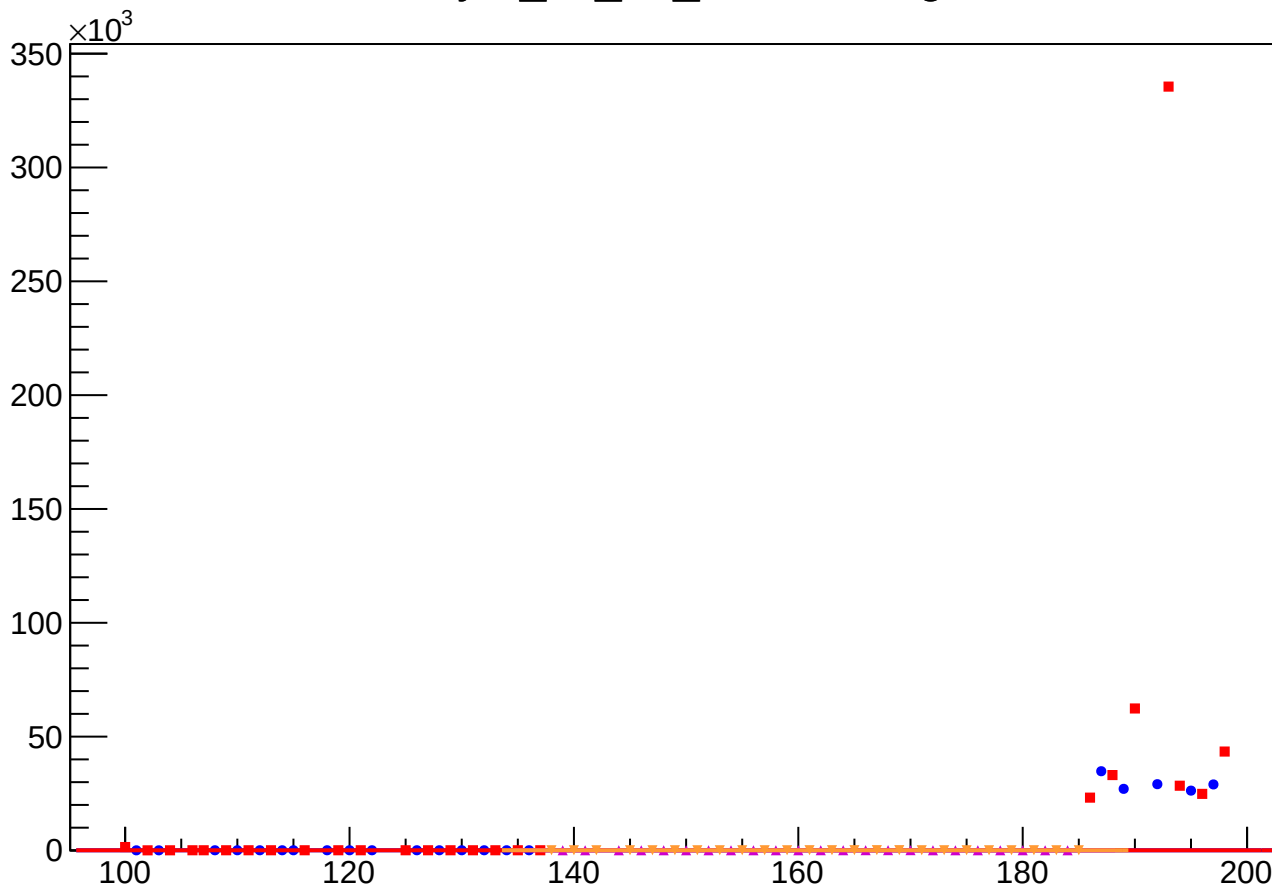
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 12.936 ± 17.468 χ^2/NDF : 35.7/44

All: -3.582 ± 12.407 χ^2/NDF : 90.4/91

- sign -20.395 ± 17.624 χ^2/NDF : 52.8/46

asym_ds_dd_rms vs Slug



Right In: 76.070 $\pm$ 0.021 χ^2 /NDF: 3237926.6/20

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

Right Out: 79.380 $\pm$ 0.022 χ^2 /NDF: 4194101.1/24

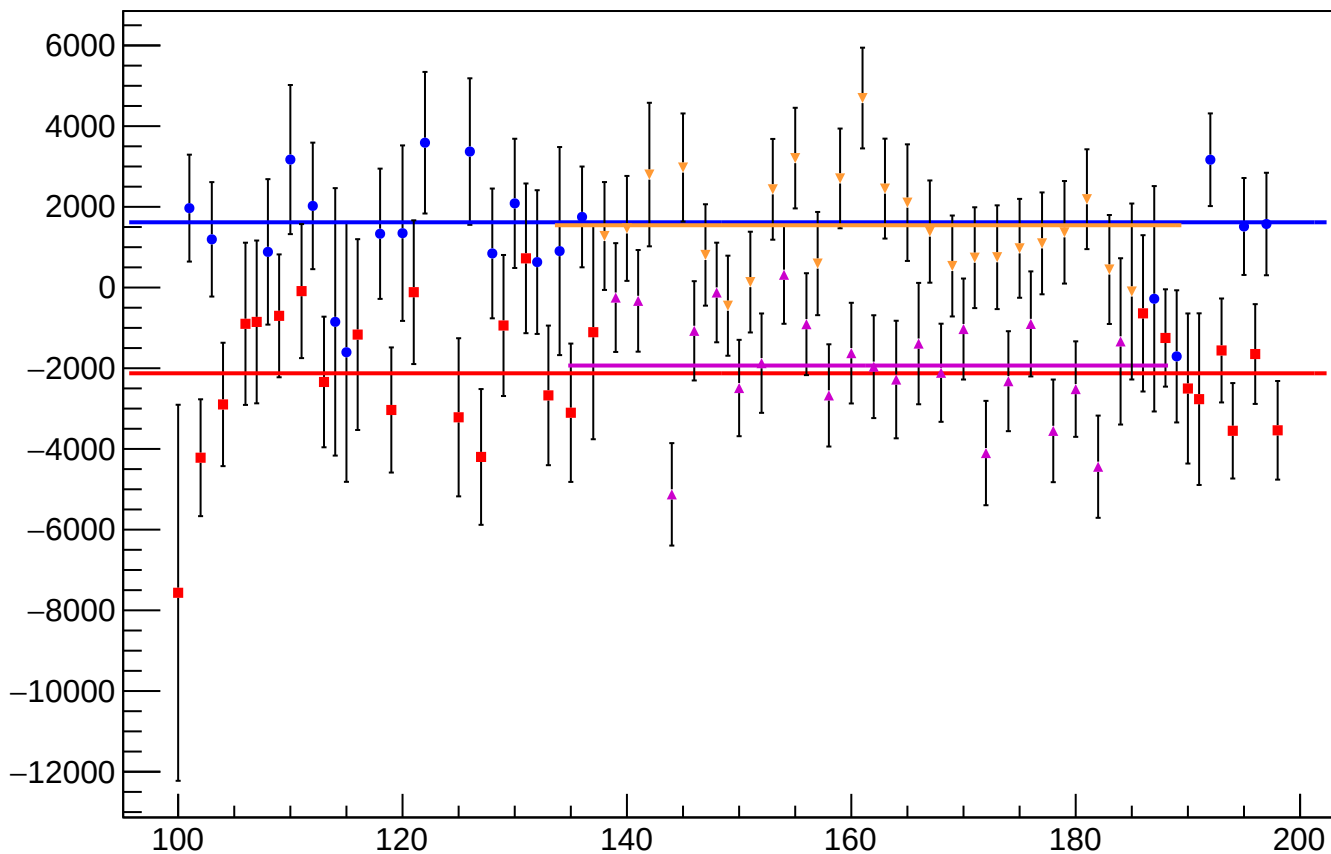
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.111 $\pm$ 0.012 χ^2 /NDF: 3978034.6/44

All: 85.661 $\pm$ 0.009 χ^2 /NDF: 8839249.2/92

- sign 86.220 $\pm$ 0.012 χ^2 /NDF: 4857223.0/47

reg_asym_usl_mean vs Slug



Right In: 1617.354+/-354.860 χ^2/NDF : 12.0/20

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

Right Out: -2125.305+/-321.370 χ^2/NDF : 18.3/25

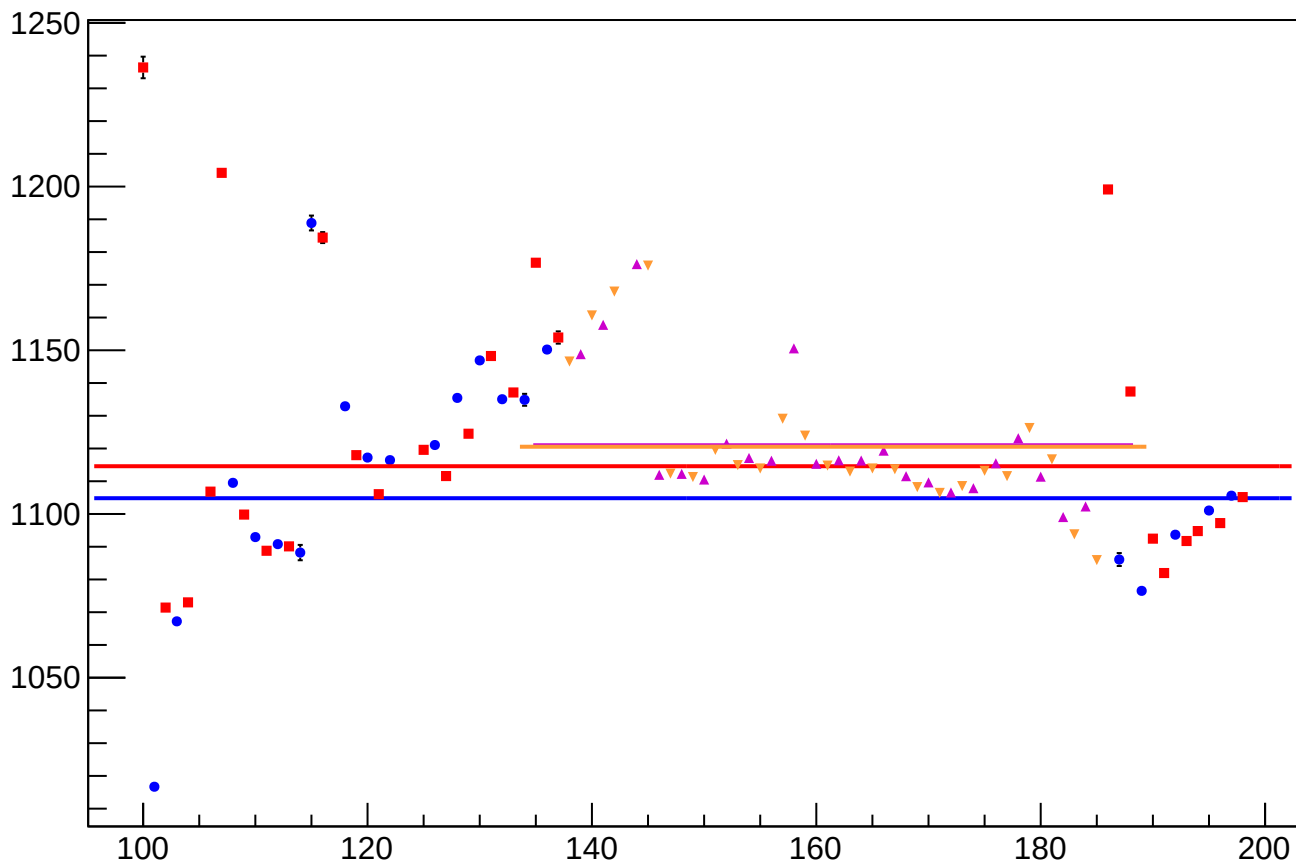
Left In: -1933.000+/-268.006 χ^2/NDF : 27.0/22

+ sign 1570.489+/-212.980 χ^2/NDF : 32.0/44

All: -281.875+/-148.005 χ^2/NDF : 223.8/93

- sign -2011.882+/-205.826 χ^2/NDF : 45.5/48

reg_asym_usl_rms vs Slug



Right In: 1104.820 $\pm$ 0.251 χ^2 /NDF: 19344.0/20

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

Right Out: 1114.588 $\pm$ 0.227 χ^2 /NDF: 22658.5/25

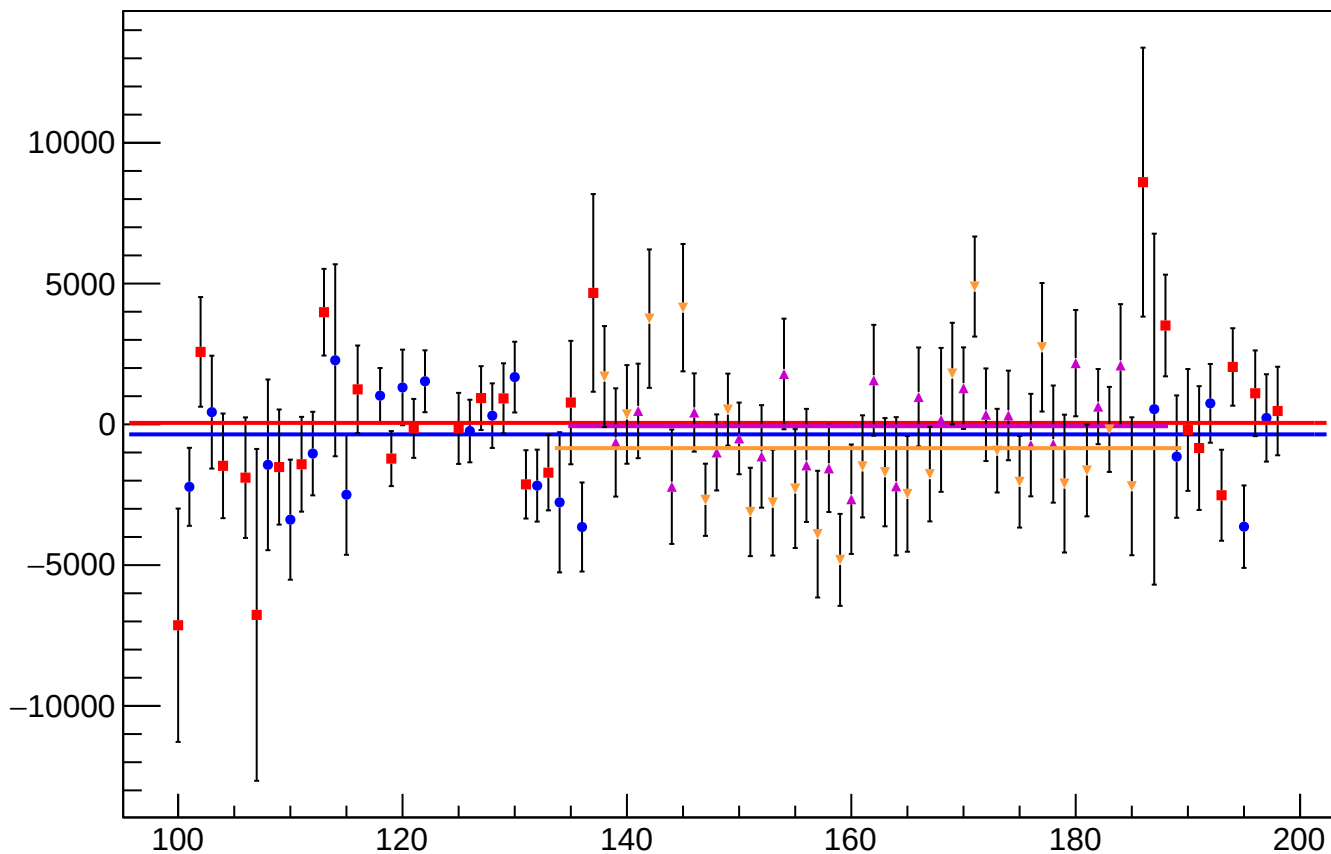
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF:9641.8/22

+ sign 1114.879 $\pm$ 0.151 χ^2 /NDF: 32108.6/44

All: 1116.681 $\pm$ 0.105 χ^2 /NDF: 65154.0/93

- sign 1118.364 $\pm$ 0.146 χ^2 /NDF: 32768.5/48

asym_usl_correction_mean vs Slug



Right In: -356.175 ± 328.211 χ^2/NDF : 28.6/20

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

Right Out: 51.632 ± 310.981 χ^2/NDF : 37.9/25

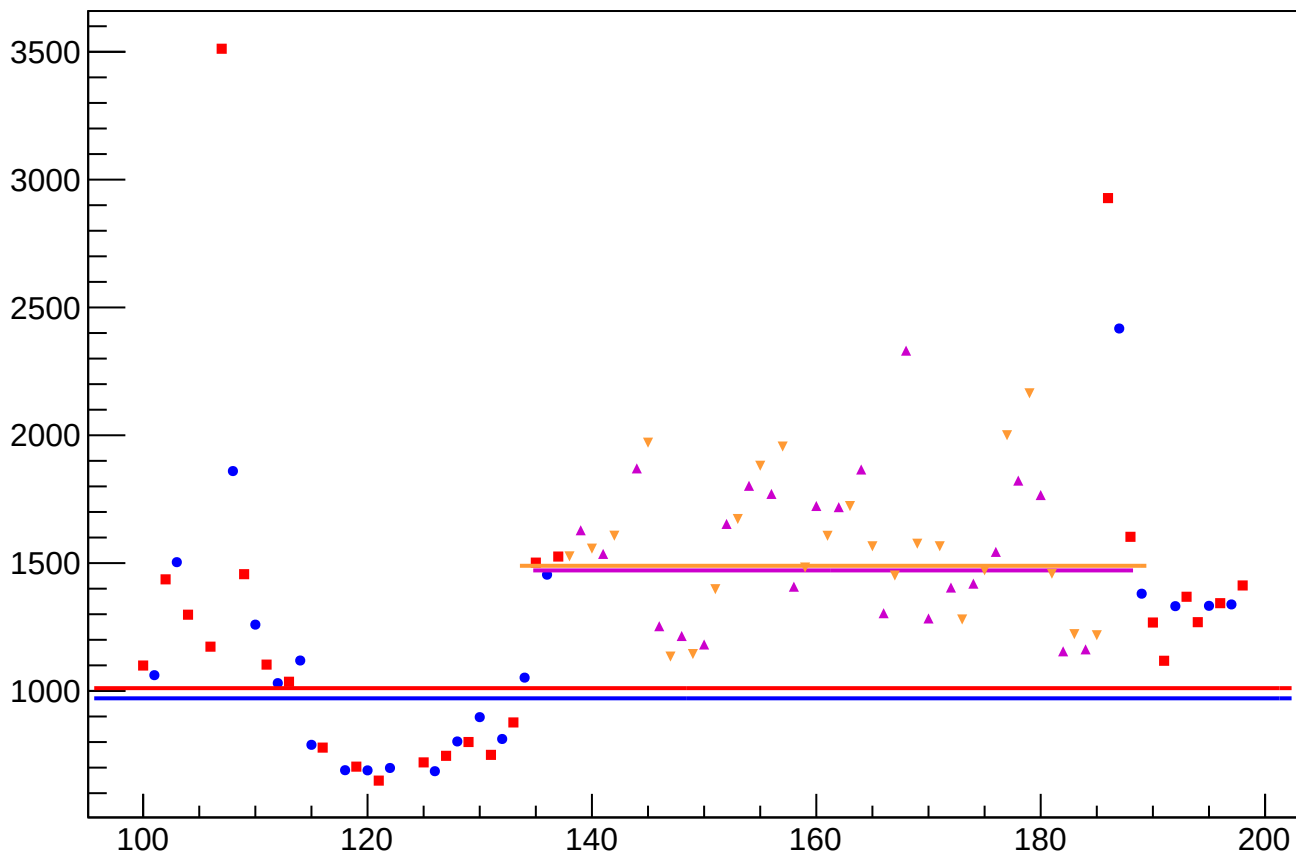
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -577.294 ± 242.890 χ^2/NDF : 72.8/44

All: -278.449 ± 168.888 χ^2/NDF : 125.8/93

- sign 1.282 ± 234.994 χ^2/NDF : 50.1/48

asym_usl_correction_rms vs Slug



Right In: 971.068 $\pm$ 0.232 χ^2 /NDF: 1701962.8/20

Left Out: 1489.507 $\pm$ 0.255 χ^2 /NDF:1009228.3/23

Right Out: 1010.832 $\pm$ 0.220 χ^2 /NDF: 2590786.3/25

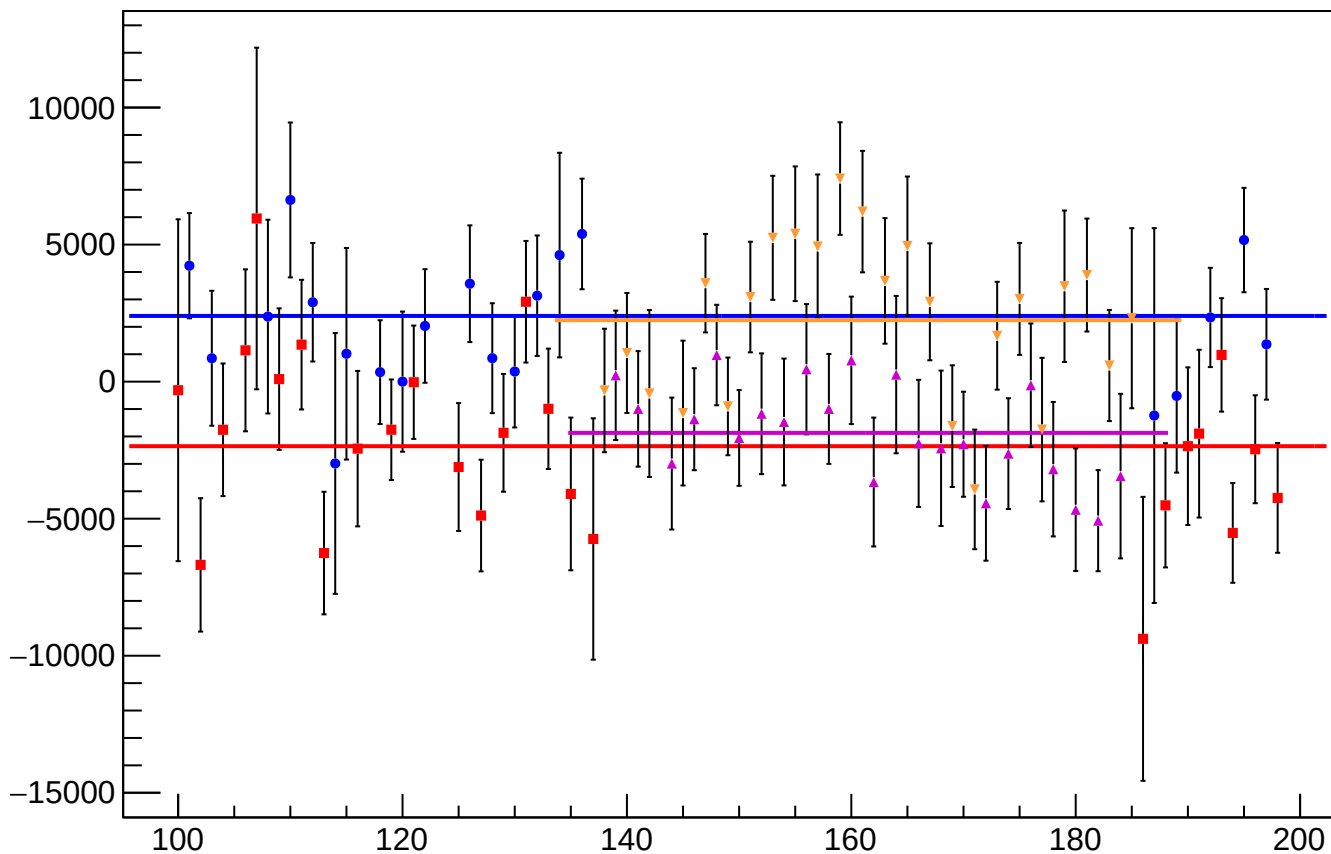
Left In: 1471.394 $\pm$ 0.254 χ^2 /NDF:1105310.5/22

+ sign 1205.578 $\pm$ 0.172 χ^2 /NDF: 4968464.0/44

All: 1207.039 $\pm$ 0.119 χ^2 /NDF: 10546539.5/50

- sign 1208.407 $\pm$ 0.166 χ^2 /NDF: 5577935.4/48

asym_usl_mean vs Slug



Right In: 2397.399 ± 510.245 $\chi^2/\text{NDF}: 15.4/20$

Left Out: 2244.415 ± 456.474 $\chi^2/\text{NDF}: 38.6/23$

Right Out: -2355.348 ± 475.363 $\chi^2/\text{NDF}: 32.3/25$

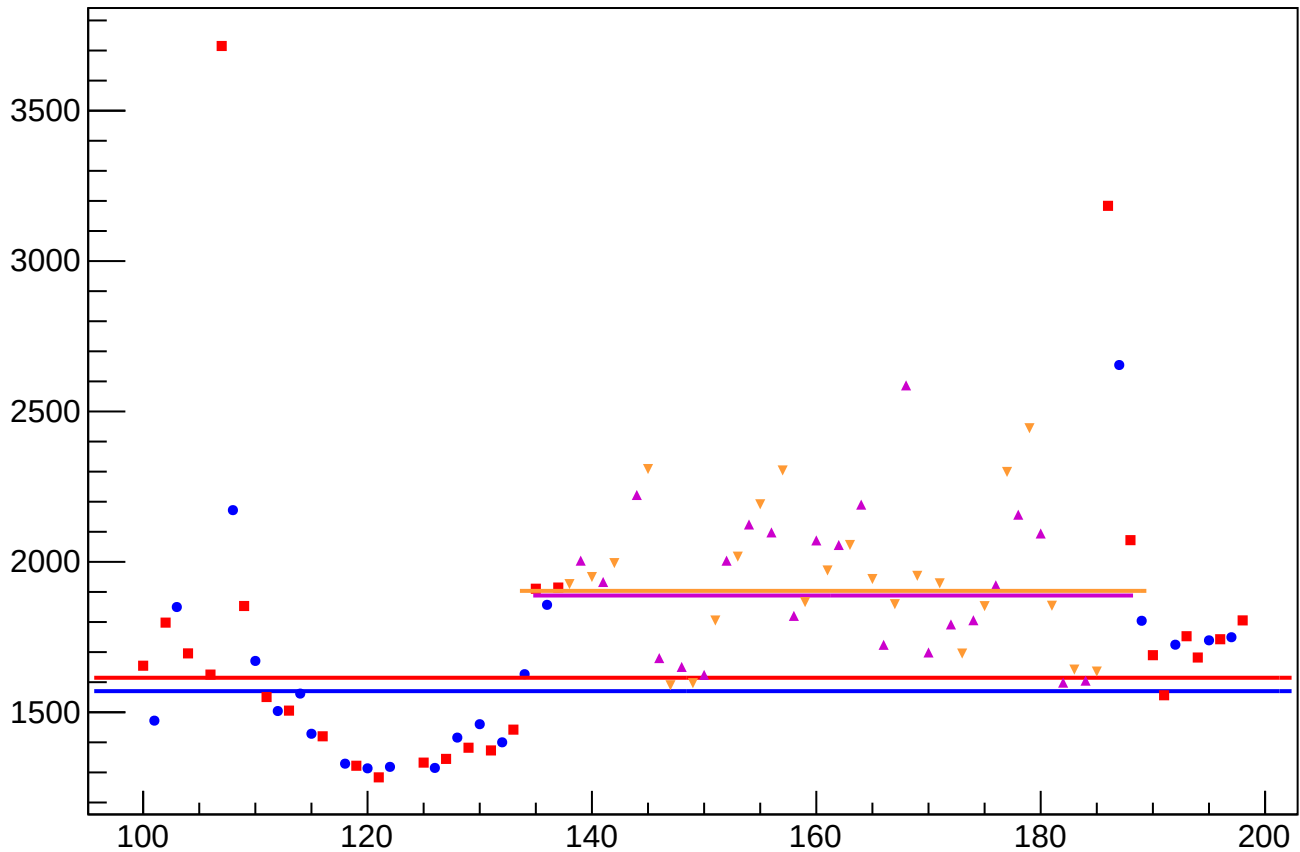
Left In: -1869.792 ± 455.465 $\chi^2/\text{NDF}: 14.9/22$

+ sign 2312.424 ± 340.204 $\chi^2/\text{NDF}: 54.0/44$

All: 30.366 ± 236.452 $\chi^2/\text{NDF}: 188.8/93$

- sign -2102.195 ± 328.872 $\chi^2/\text{NDF}: 47.7/48$

asym_usl_rms vs Slug



Right In: 1570.214 ± 0.361 χ^2/NDF : 387820.1/20

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

Right Out: 1614.741 ± 0.336 χ^2/NDF : 836858.7/25

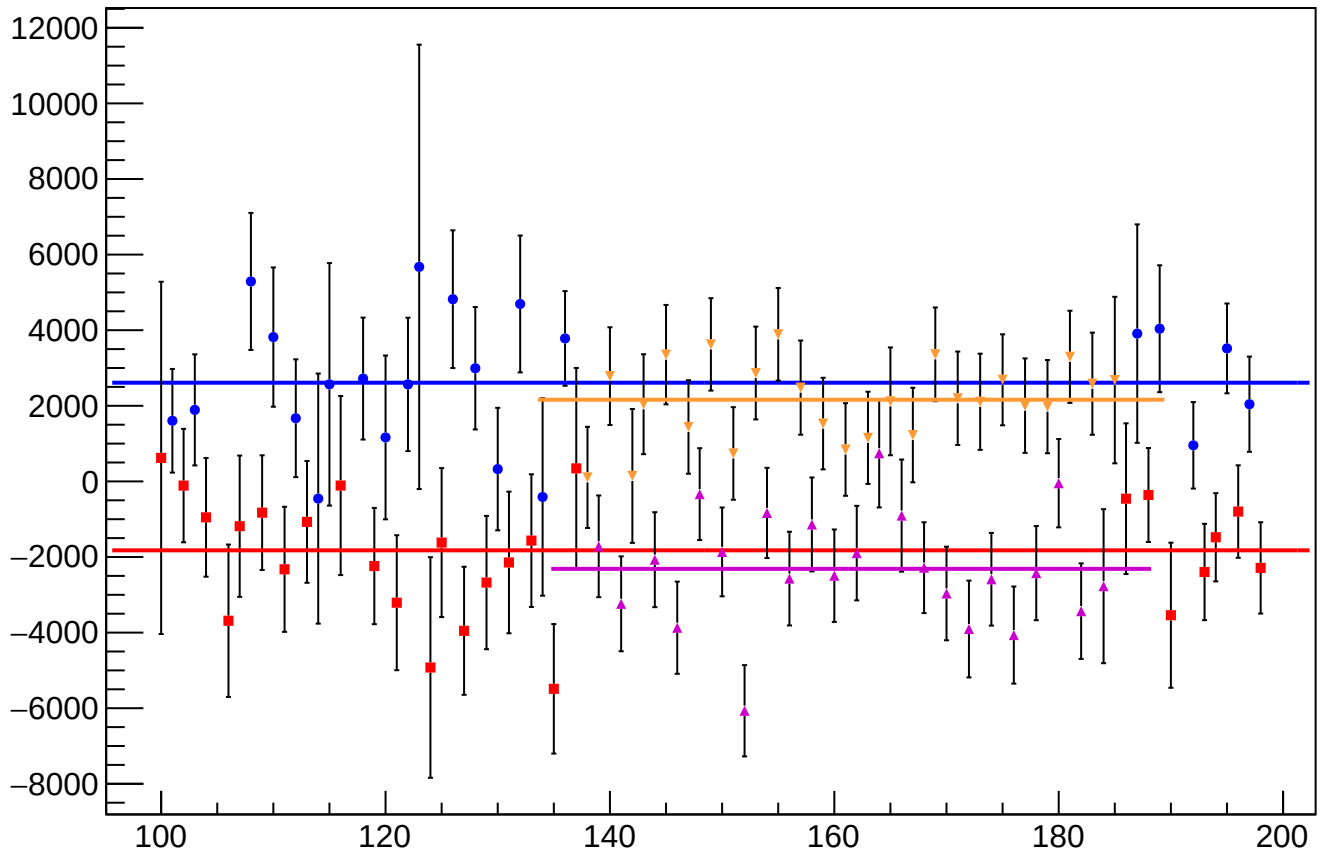
Left In: 1888.121 ± 0.322 χ^2/NDF : 504568.6/22

+ sign 1755.383 ± 0.241 χ^2/NDF : 1323807.5/44

All: 1756.360 ± 0.167 χ^2/NDF : 3010138.1/93

- sign 1757.272 ± 0.233 χ^2/NDF : 1686298.7/48

reg_asym_usr_mean vs Slug



Right In: 2610.935 $\pm$ 356.376 χ^2 /NDF: 16.2/21

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

Right Out: -1823.463 $\pm$ 323.777 χ^2 /NDF: 16.8/25

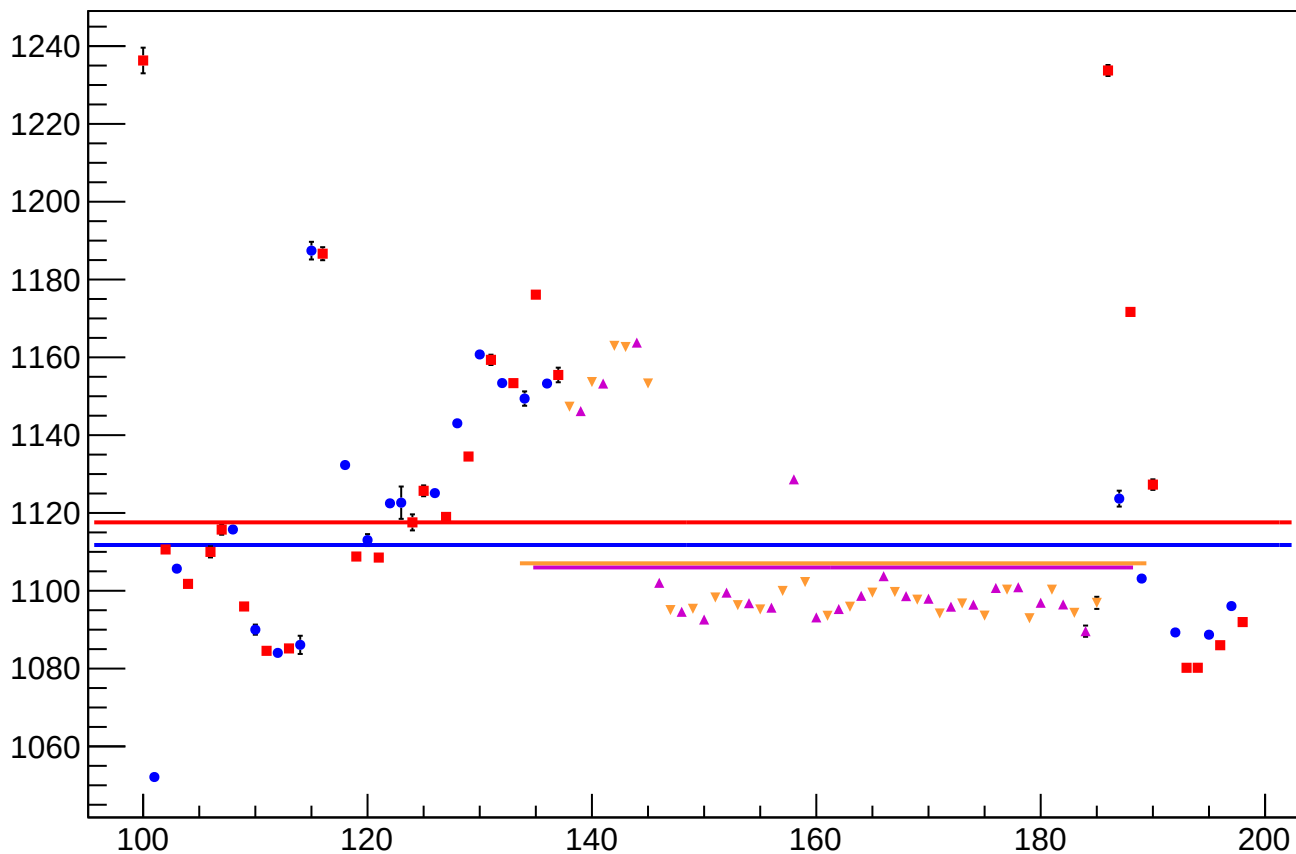
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ sign 2315.624 $\pm$ 208.727 χ^2 /NDF: 32.3/46

All: 57.064 $\pm$ 146.186 χ^2 /NDF: 311.6/95

- sign -2117.429 $\pm$ 204.805 χ^2 /NDF: 49.5/48

reg_asym_usr_rms vs Slug



Right In: 1111.767 $\pm$ 0.252 χ^2 /NDF: 14653.6/21

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

Right Out: 1117.584 $\pm$ 0.229 χ^2 /NDF: 26824.6/25

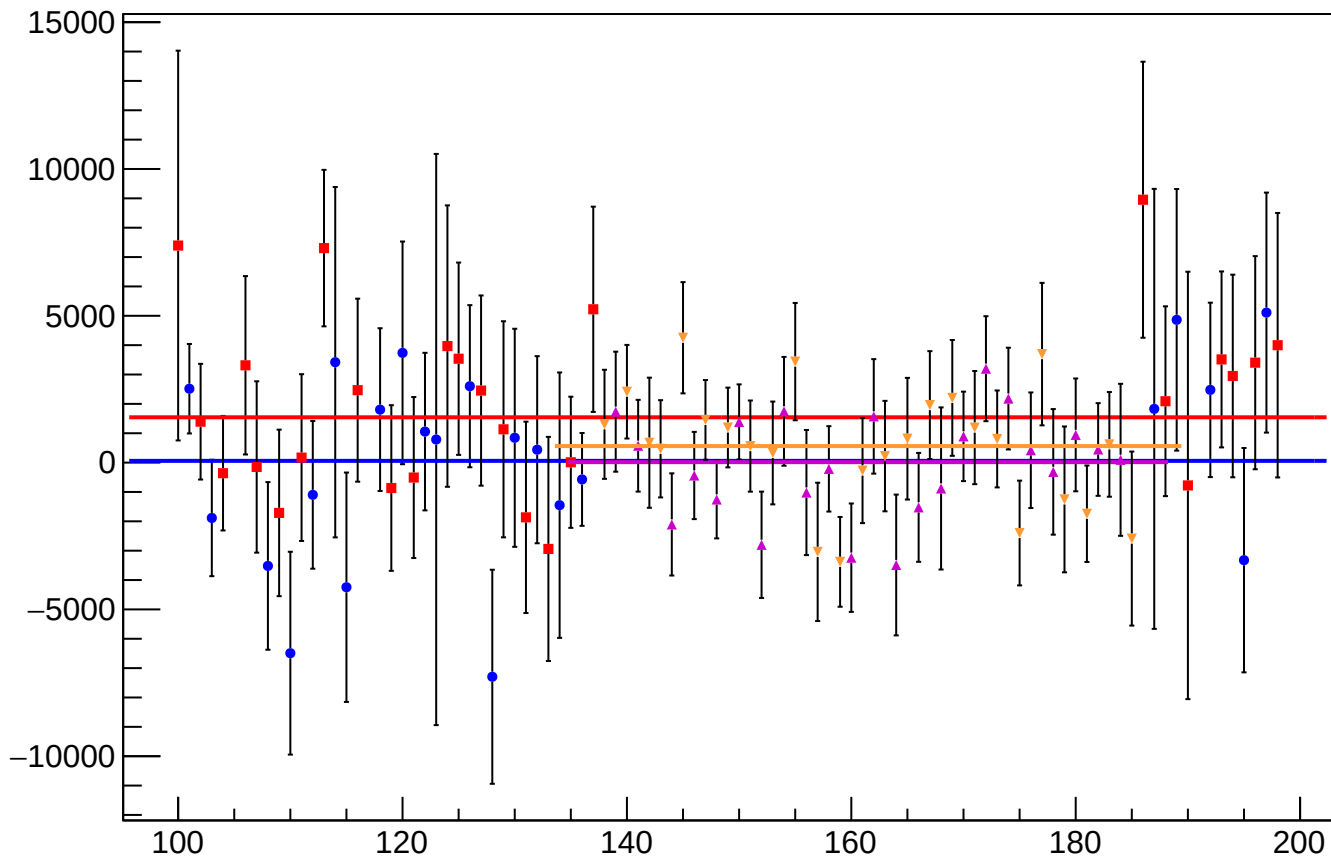
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF: 11551.3/22

+ sign 1108.673 $\pm$ 0.148 χ^2 /NDF: 30058.8/46

All: 1109.671 $\pm$ 0.103 χ^2 /NDF: 70061.1/95

- sign 1110.633 $\pm$ 0.145 χ^2 /NDF: 39912.5/48

asym_usr_correction_mean vs Slug



Right In: 59.186 ± 616.717 χ^2/NDF : 21.4/21

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

Right Out: 1543.063 ± 602.860 χ^2/NDF : 18.6/25

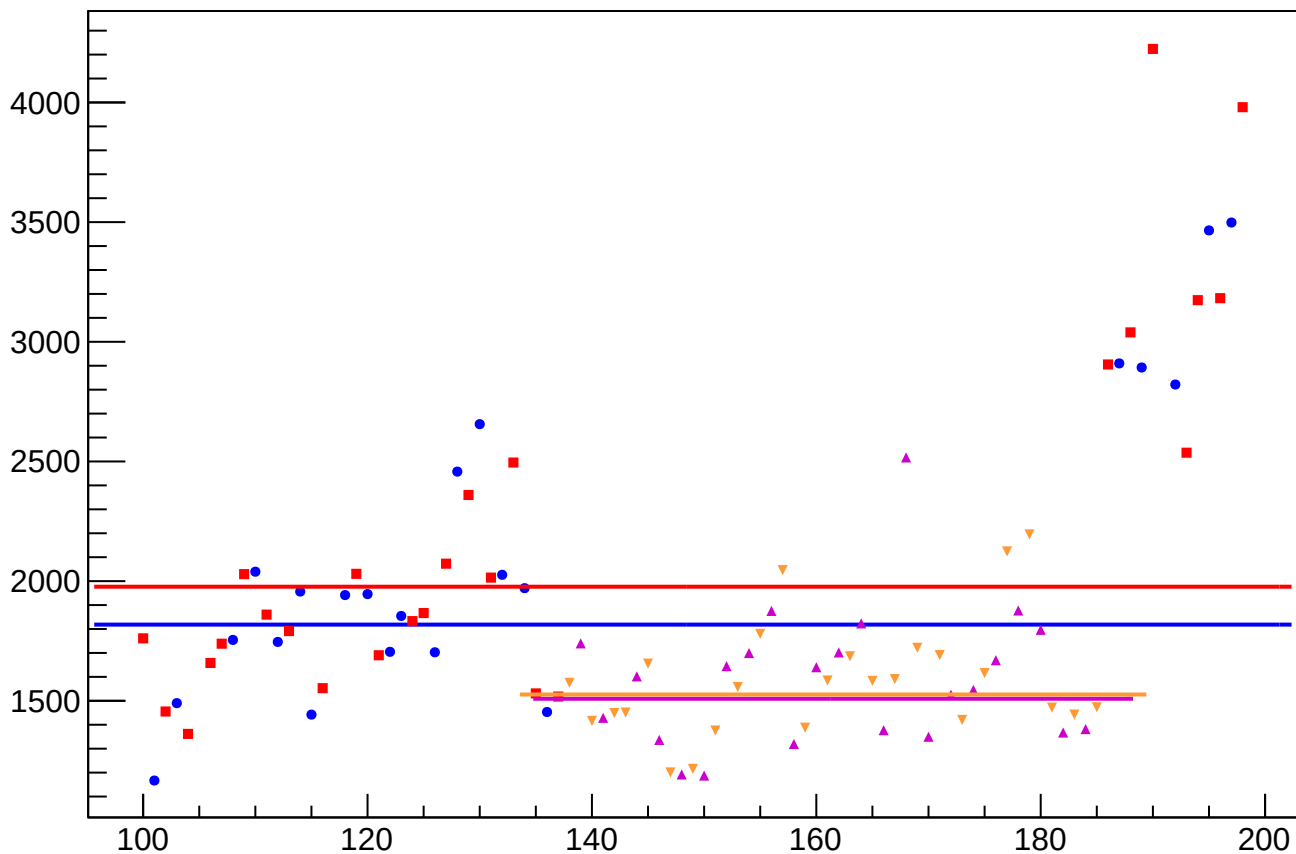
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 434.688 ± 311.486 χ^2/NDF : 48.7/46

All: 431.520 ± 220.924 χ^2/NDF : 92.0/95

- sign 428.313 ± 313.390 χ^2/NDF : 43.4/48

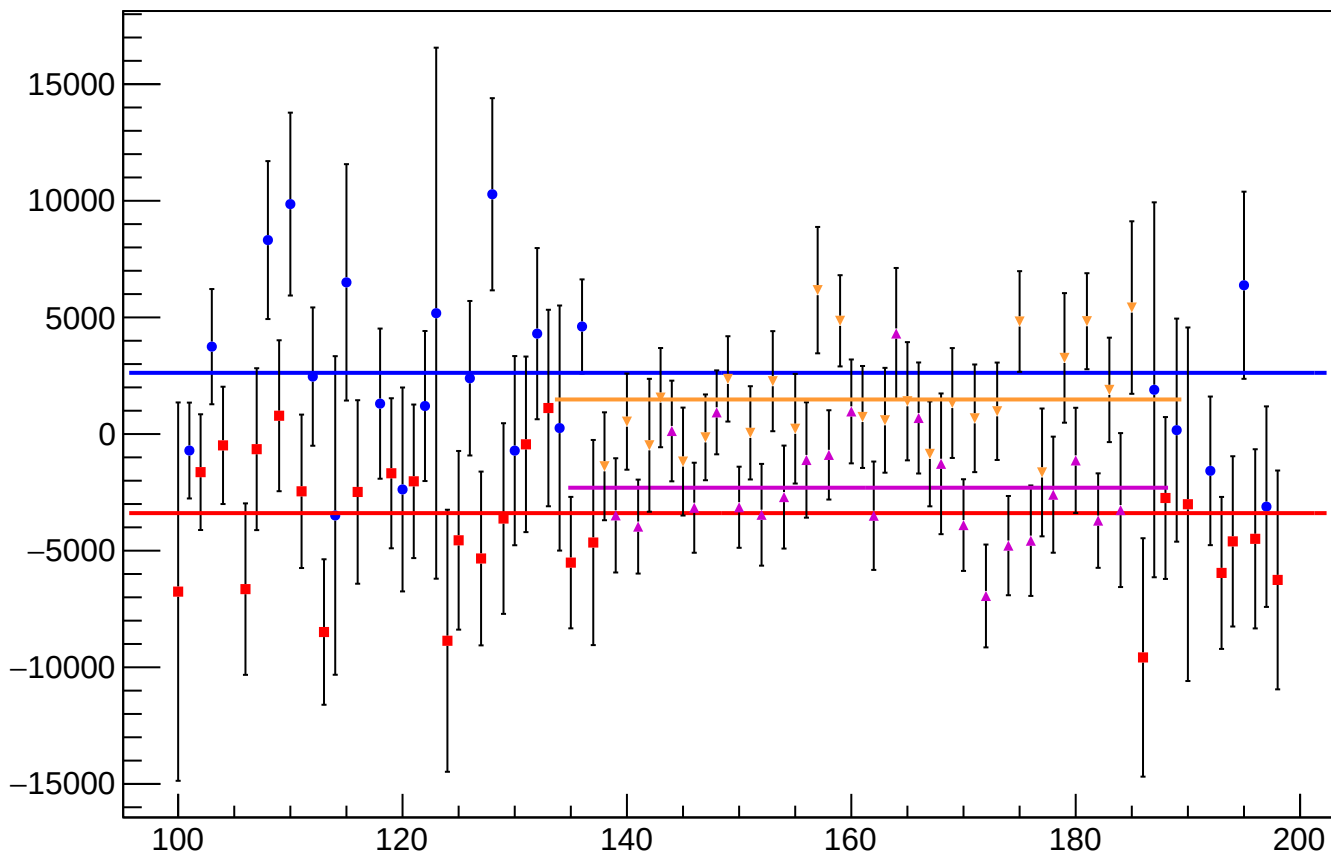
asym_usr_correction_rms vs Slug



Right In: 1818.348 ± 0.436 χ^2/NDF : 1841673.5/21
 Left Out: 1526.391 ± 0.255 χ^2/NDF : 753714.4/24
 Right Out: 1976.742 ± 0.426 χ^2/NDF : 2040574.2/25
 Left In: 1508.581 ± 0.259 χ^2/NDF : 931684.8/22

+ sign 1600.868 ± 0.220 χ^2/NDF : 2929271.8/46
 All: 1617.877 ± 0.156 χ^2/NDF : 6793711.3/95
 - sign 1635.094 ± 0.222 χ^2/NDF : 3852440.1/48

asym_usr_mean vs Slug



Right In: 2624.220 $\pm$ 741.052 χ^2/NDF : 22.4/21

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

Right Out: -3390.077 $\pm$ 708.008 χ^2/NDF : 14.8/25

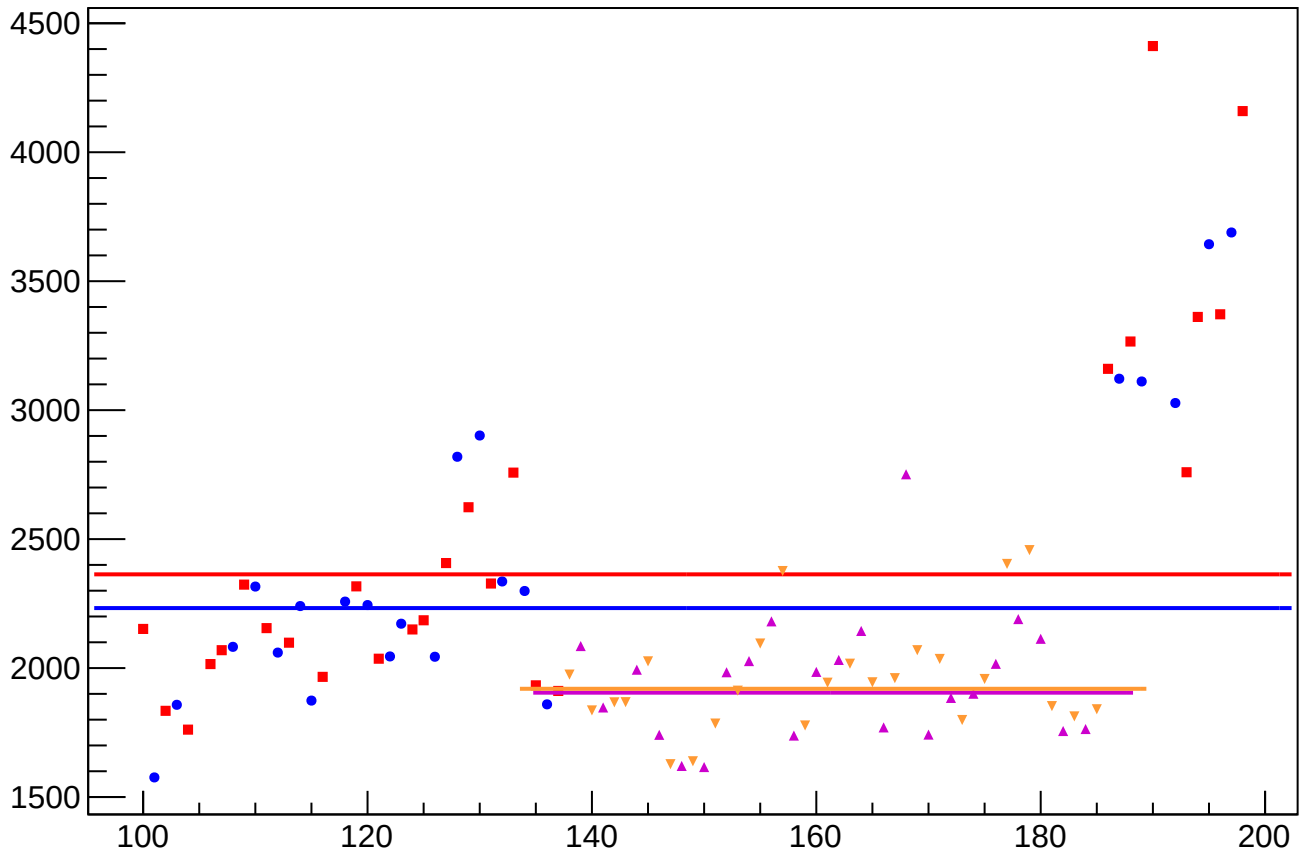
Left In: -2301.247 $\pm$ 459.040 χ^2/NDF : 24.8/22

+ sign 1789.969 $\pm$ 384.626 χ^2/NDF : 45.0/46

All: -413.653 $\pm$ 272.163 χ^2/NDF : 152.0/95

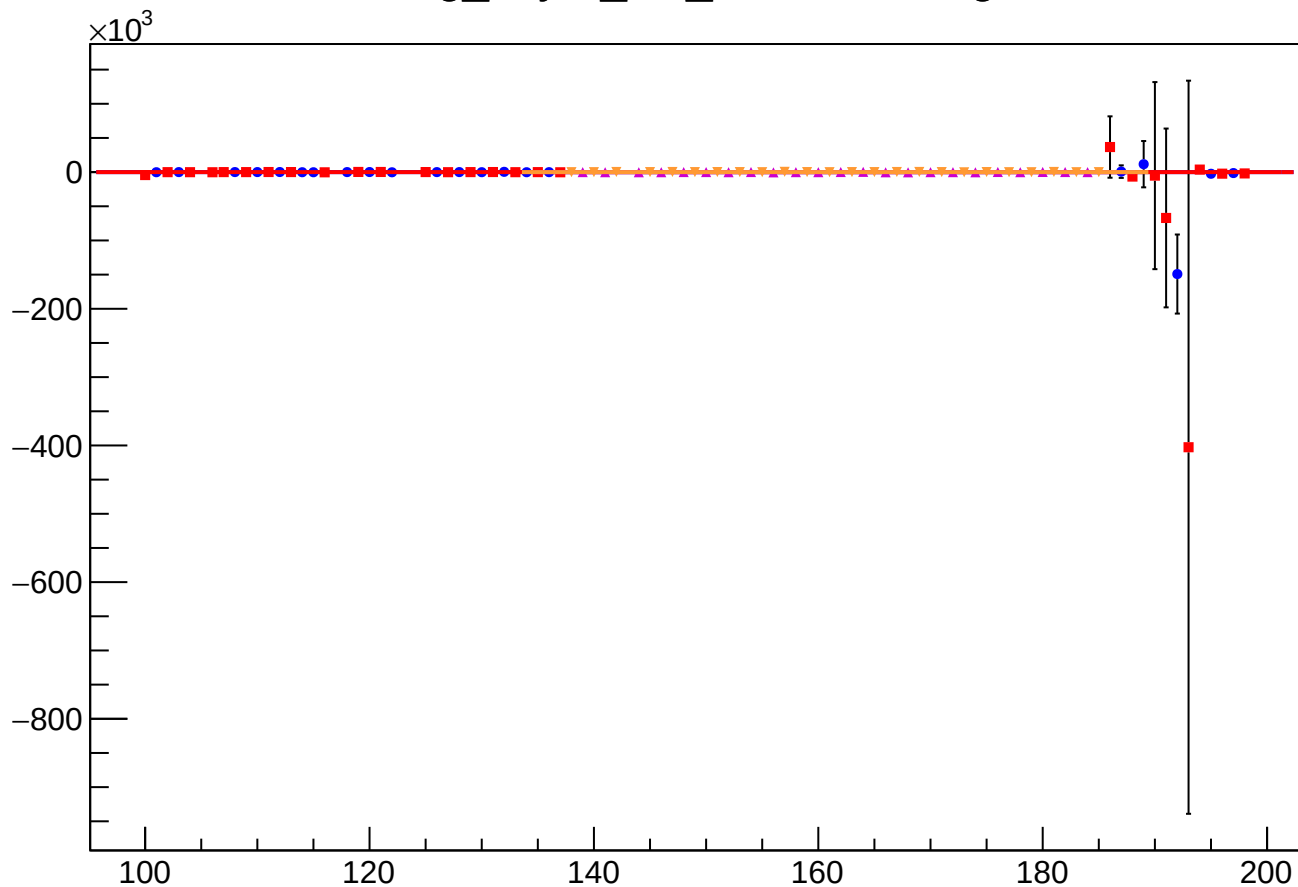
- sign -2623.492 $\pm$ 385.168 χ^2/NDF : 41.2/48

asym_usr_rms vs Slug



Right In: 2232.638+/-0.524	χ^2/NDF : 1144087.7/21	+ sign 2004.025+/-0.272	χ^2/NDF : 1770830.0/46
Left Out: 1919.732+/-0.318	χ^2/NDF : 366218.1/24	All: 2022.190+/-0.192	χ^2/NDF : 4162246.8/95
Right Out: 2363.406+/-0.501	χ^2/NDF : 1343900.9/25	- sign 2040.406+/-0.272	χ^2/NDF : 2382482.9/48
Left In: 1904.629+/-0.325	χ^2/NDF : 447350.7/22		

reg_asym_dsl_mean vs Slug



Right In: -1.075 ± 36.768 $\chi^2/\text{NDF}: 23.7/20$

Left Out: 12.260 ± 26.260 $\chi^2/\text{NDF}: 35.9/23$

Right Out: -1.944 ± 36.752 $\chi^2/\text{NDF}: 17.4/25$

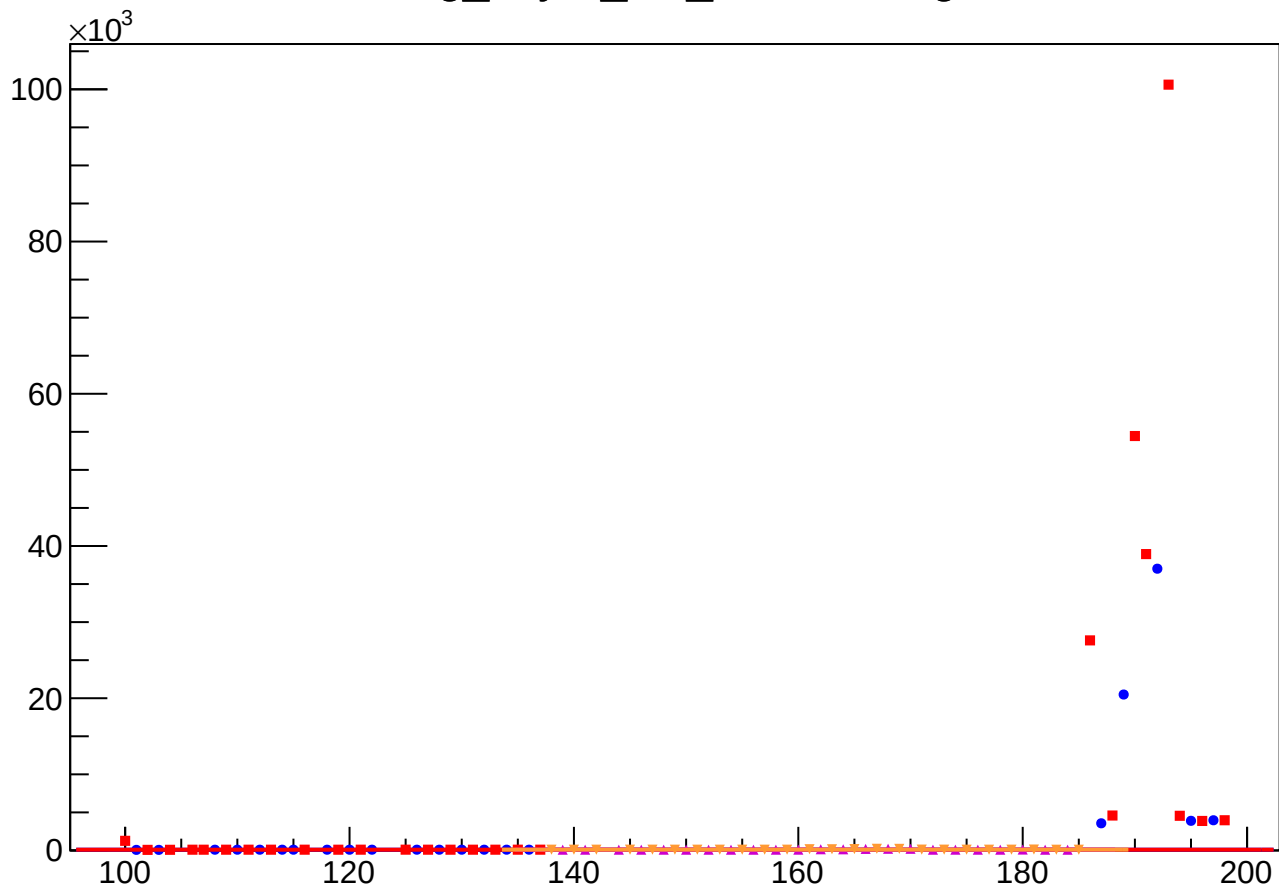
Left In: -24.786 ± 26.343 $\chi^2/\text{NDF}: 36.4/22$

+ sign 7.756 ± 21.369 $\chi^2/\text{NDF}: 59.7/44$

All: -4.615 ± 15.125 $\chi^2/\text{NDF}: 114.4/93$

- sign -17.034 ± 21.411 $\chi^2/\text{NDF}: 54.1/48$

reg_asym_dsl_rms vs Slug



Right In: 94.678 $\pm$ 0.026 χ^2 /NDF: 5028973.6/20

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

Right Out: 97.240 $\pm$ 0.026 χ^2 /NDF: 6762786.9/25

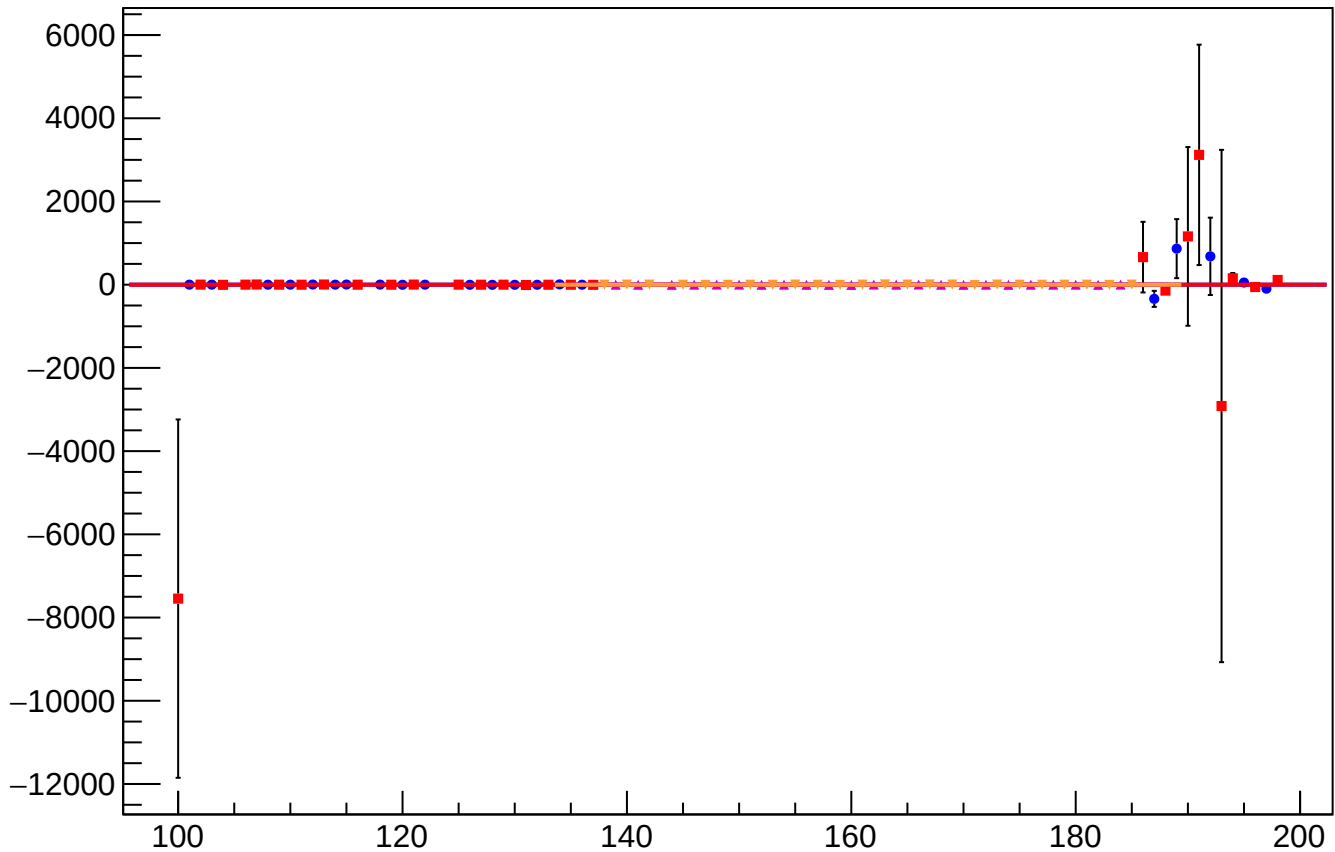
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.539 $\pm$ 0.015 χ^2 /NDF: 6639381.5/44

All: 103.835 $\pm$ 0.011 χ^2 /NDF: 15000419.4/93

- sign 104.132 $\pm$ 0.015 χ^2 /NDF: 8360271.1/48

asym_dsl_correction_mean vs Slug



Right In: 0.385+/-0.617 χ^2/NDF : 17.5/20

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

Right Out: 0.347+/-0.644 χ^2/NDF : 29.4/25

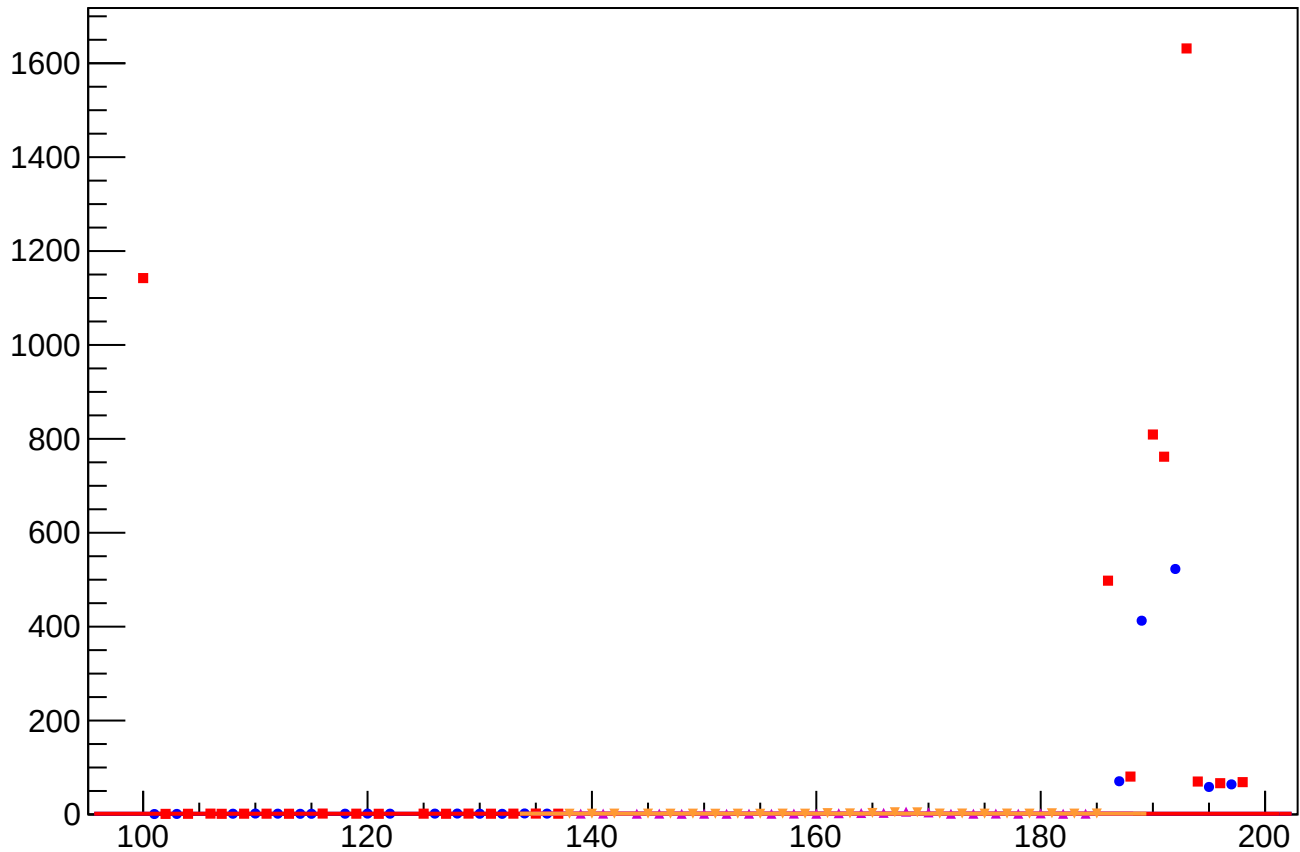
Left In: 0.067+/-0.485 χ^2/NDF : 25.0/22

+ sign -0.192+/-0.376 χ^2/NDF : 49.5/44

All: -0.017+/-0.270 χ^2/NDF : 104.4/93

- sign 0.168+/-0.387 χ^2/NDF : 54.5/48

asym_dsl_correction_rms vs Slug



Right In: 1.429+/-0.000 χ^2/NDF : 4802596.2/20

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

Right Out: 1.569+/-0.000 χ^2/NDF : 6060622.2/25

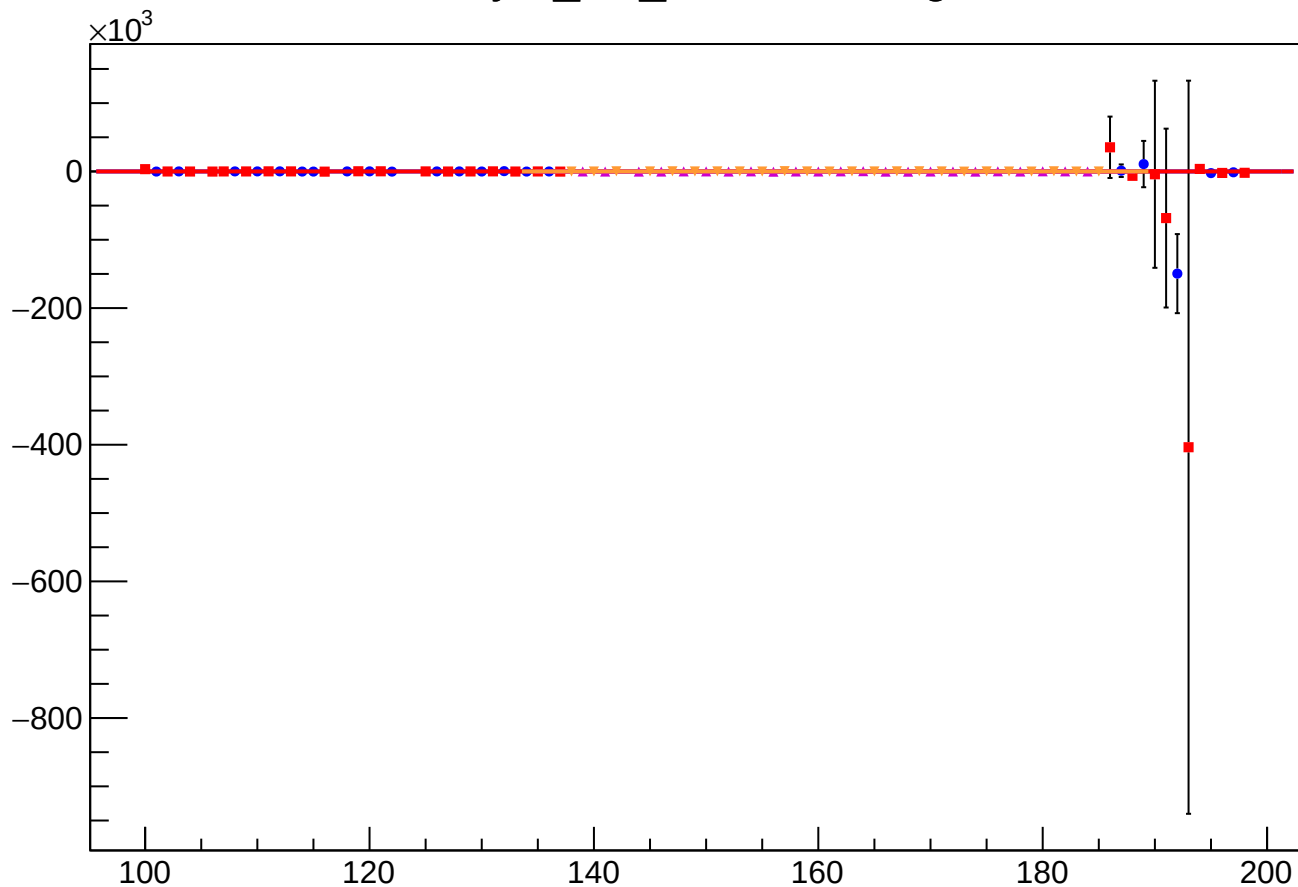
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.644+/-0.000 χ^2/NDF : 6787937.0/44

All: 1.680+/-0.000 χ^2/NDF : 14975674.3/93

- sign 1.718+/-0.000 χ^2/NDF : 8150328.3/48

asym_dsl_mean vs Slug



Right In: -0.767 ± 36.778 χ^2/NDF : 23.9/20

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

Right Out: -1.704 ± 36.762 χ^2/NDF : 16.9/25

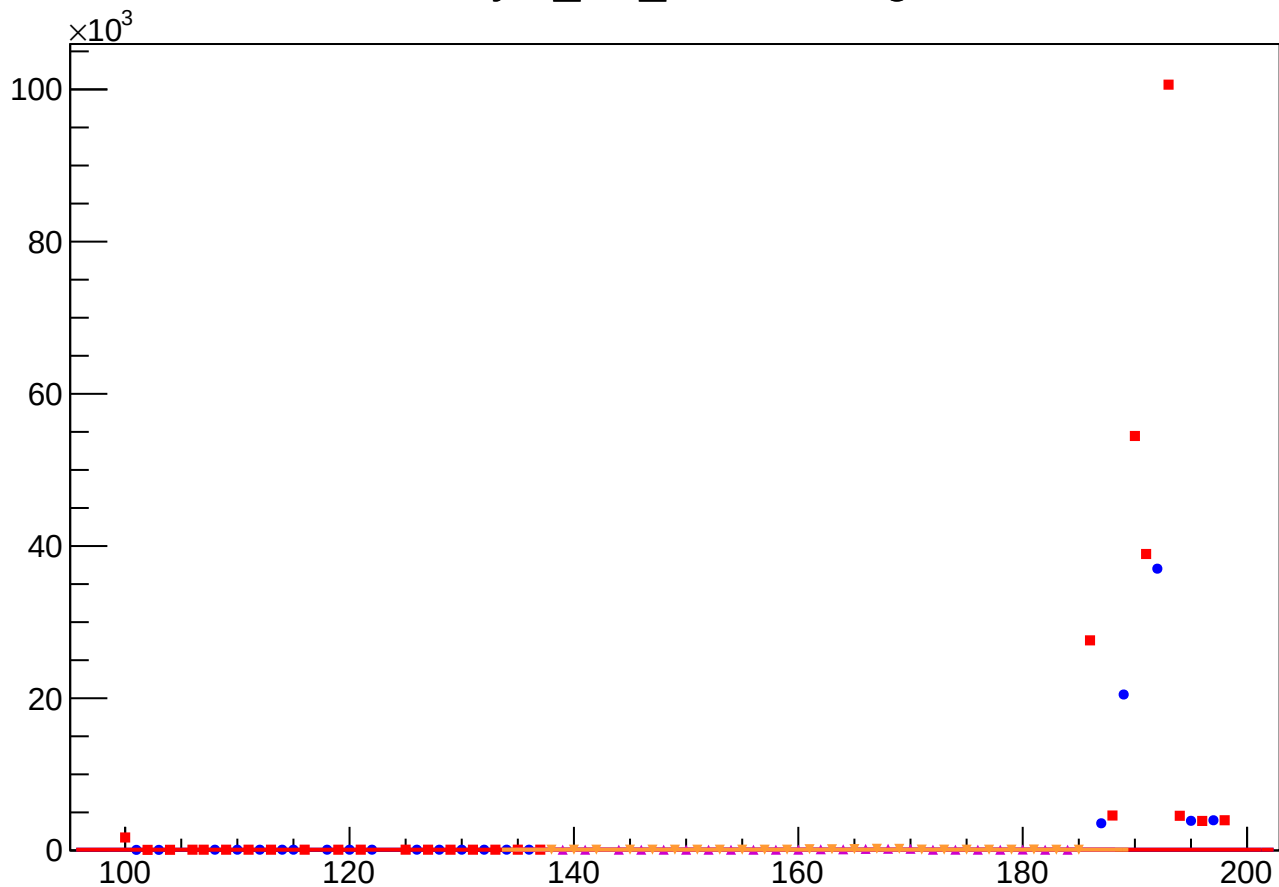
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 8.315 ± 21.376 χ^2/NDF : 59.7/44

All: -4.467 ± 15.130 χ^2/NDF : 113.3/93

- sign -17.299 ± 21.417 χ^2/NDF : 52.9/48

asym_dsl_rms vs Slug



Right In: 94.702 $\pm$ 0.026 χ^2 /NDF: 5028964.3/20

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

Right Out: 97.249 $\pm$ 0.026 χ^2 /NDF: 6767998.2/25

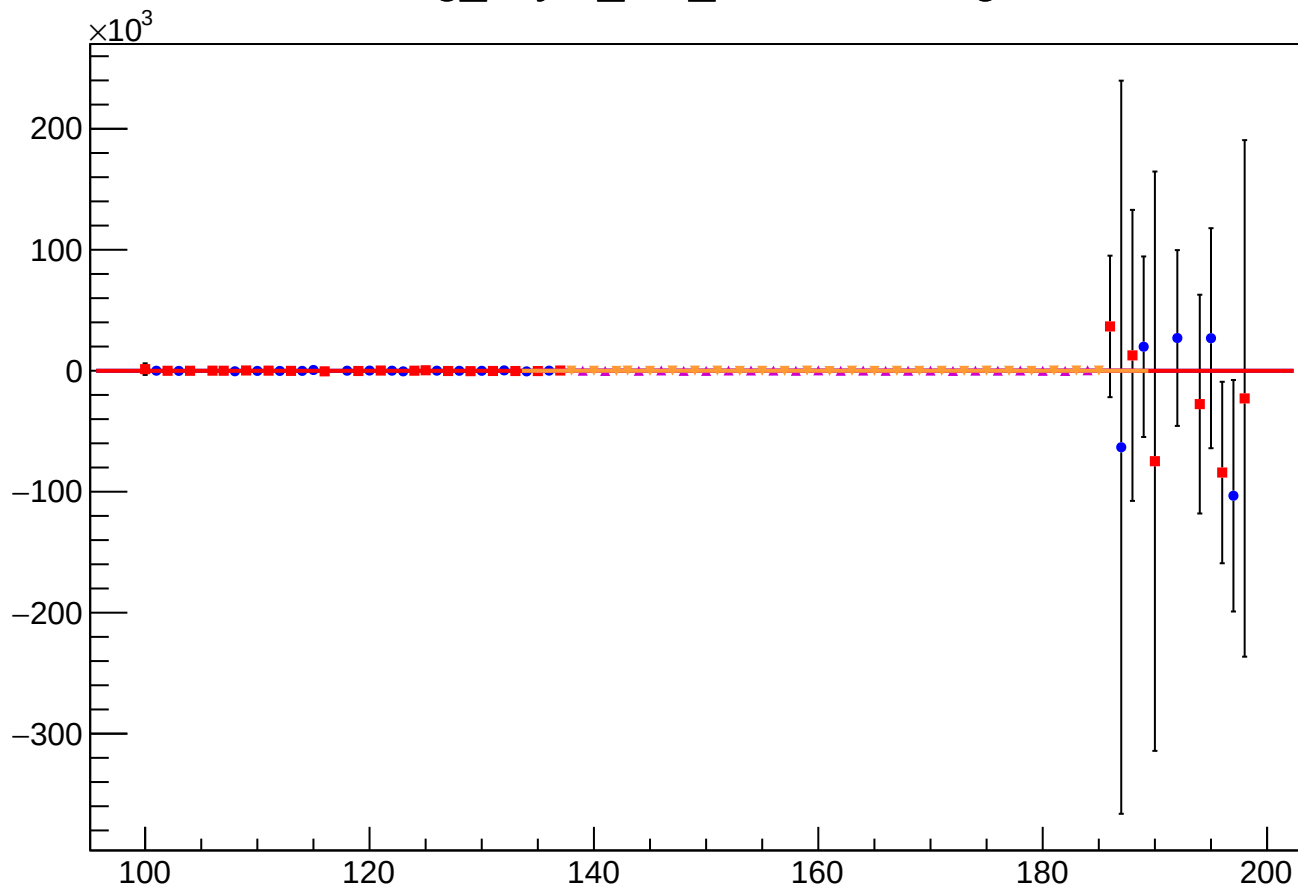
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 103.568 $\pm$ 0.015 χ^2 /NDF: 6640832.6/44

All: 103.861 $\pm$ 0.011 χ^2 /NDF: 15008754.2/93

- sign 104.155 $\pm$ 0.015 χ^2 /NDF: 8367168.4/48

reg_asym_dsr_mean vs Slug



Right In: -26.797 ± 46.841 χ^2/NDF : 15.9/21

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

Right Out: -53.404 ± 47.775 χ^2/NDF : 17.3/24

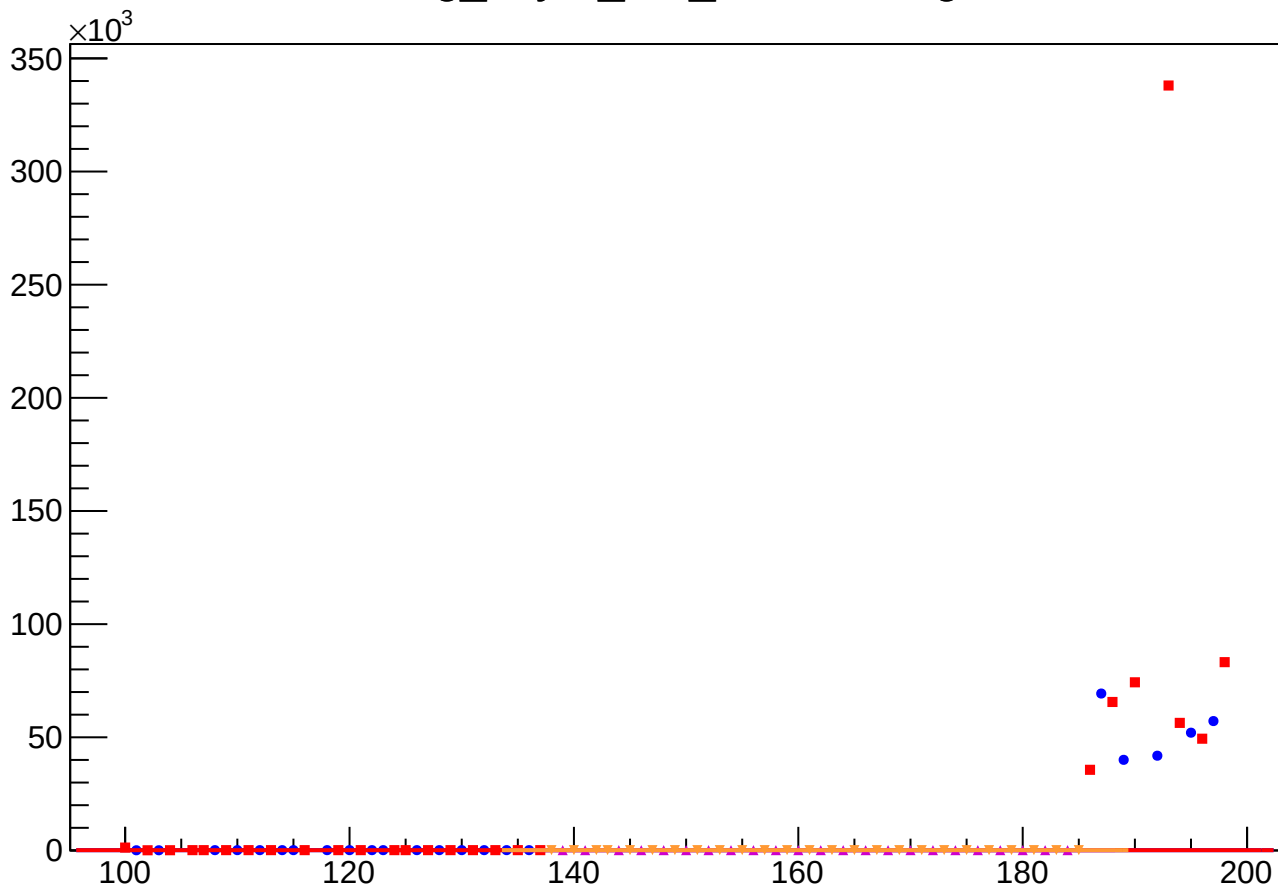
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.286 ± 26.458 χ^2/NDF : 28.0/46

All: 4.343 ± 18.939 χ^2/NDF : 70.1/94

- sign 27.070 ± 27.121 χ^2/NDF : 40.7/47

reg_asym_dsr_rms vs Slug



Right In: 117.830 $\pm$ 0.033 χ^2 /NDF: 3646188.2/21

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

Right Out: 124.808 $\pm$ 0.034 χ^2 /NDF: 4475885.4/25

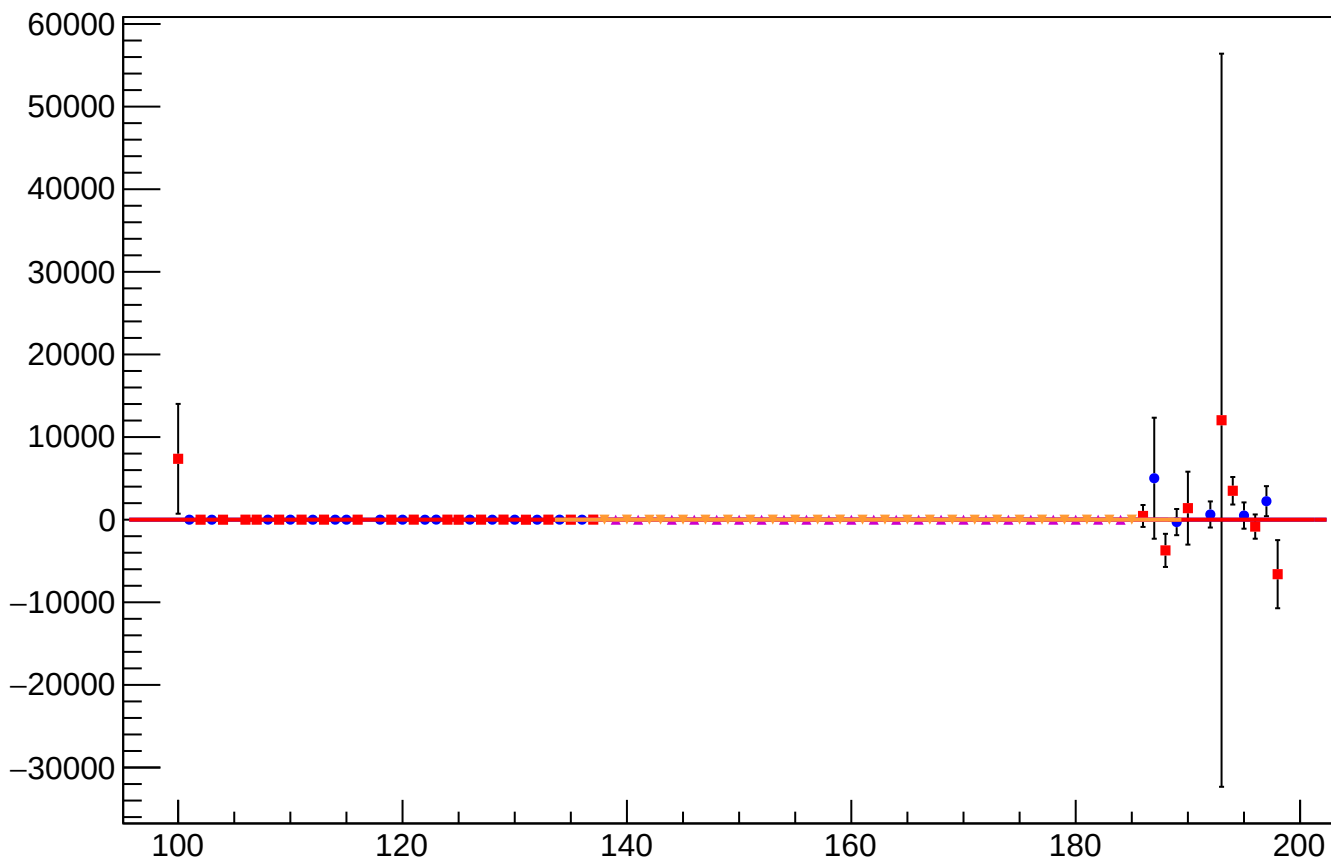
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.467 $\pm$ 0.019 χ^2 /NDF: 3895585.9/46

All: 132.515 $\pm$ 0.013 χ^2 /NDF: 8478678.6/95

- sign 133.616 $\pm$ 0.019 χ^2 /NDF: 4576657.3/48

asym_dsr_correction_mean vs Slug



Right In: -0.718 ± 0.810 χ^2/NDF : 14.5/21

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

Right Out: 0.638 ± 0.852 χ^2/NDF : 25.7/25

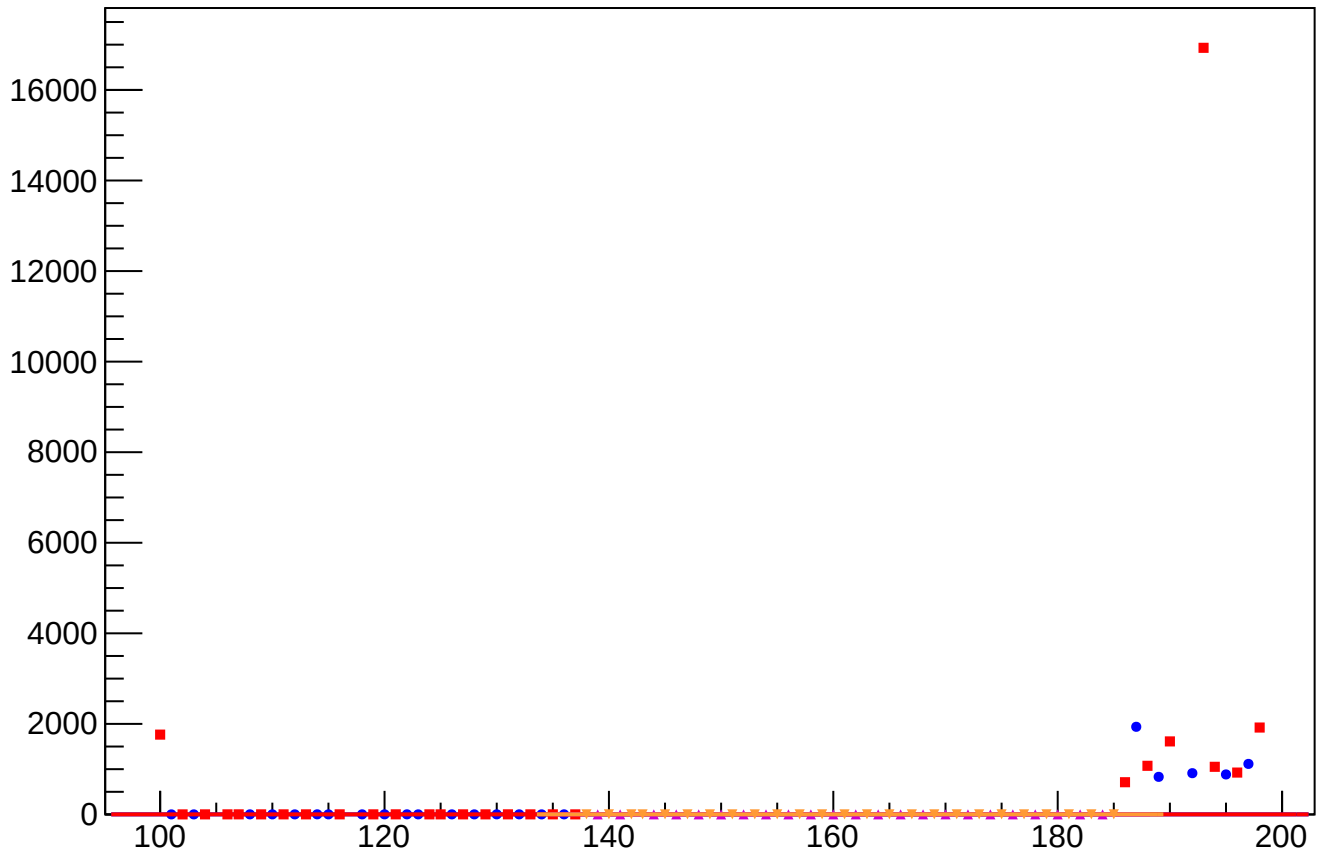
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 44.9/46

All: 0.046 ± 0.334 χ^2/NDF : 92.2/95

- sign 0.003 ± 0.479 χ^2/NDF : 47.2/48

asym_dsr_correction_rms vs Slug



Right In: 1.866+/-0.001 χ^2/NDF : 3202945.0/21

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

Right Out: 2.065+/-0.001 χ^2/NDF : 4245619.6/25

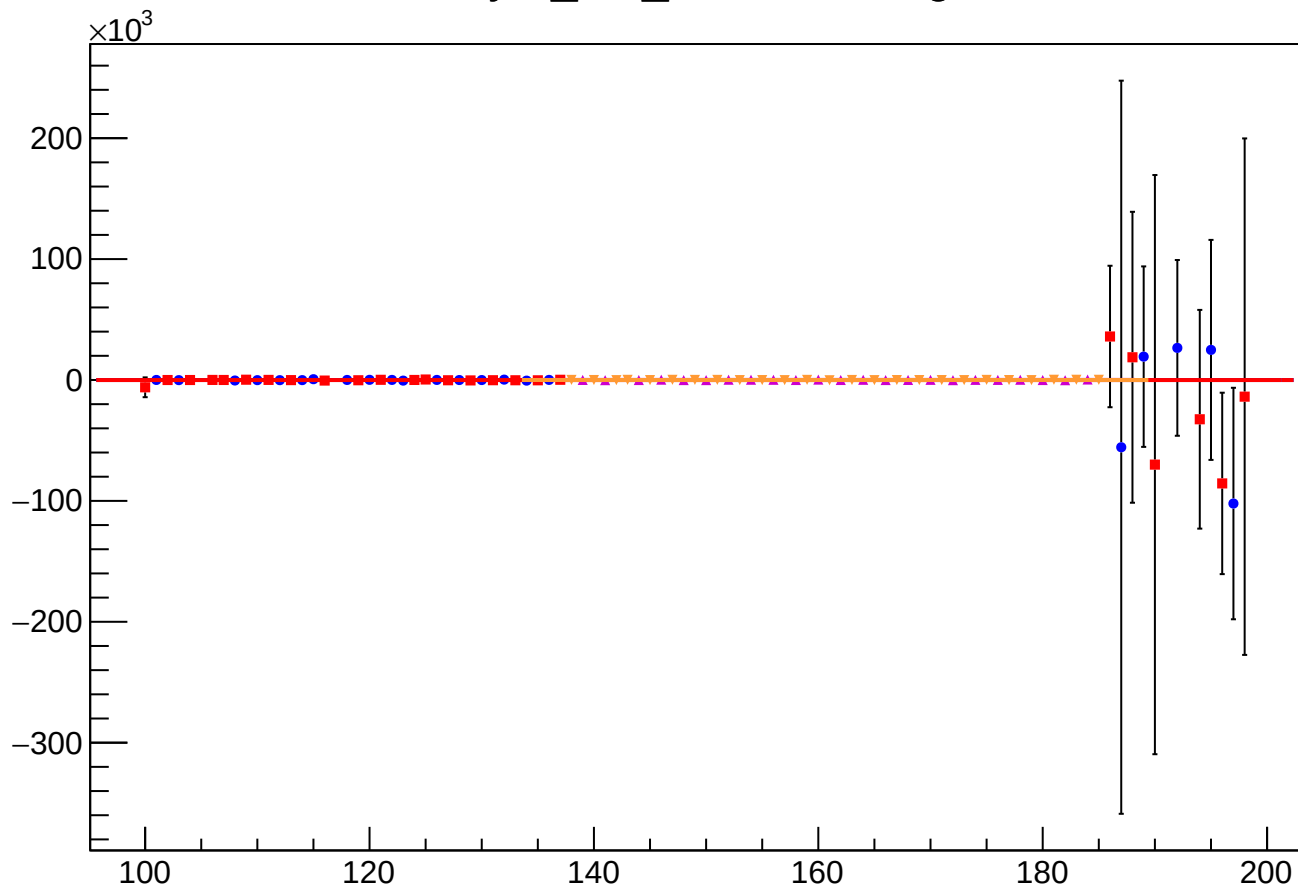
Left In: 2.193+/-0.000 χ^2/NDF : 510890.7/22

+ sign 2.130+/-0.000 χ^2/NDF : 3896333.7/46

All: 2.141+/-0.000 χ^2/NDF : 8685990.5/95

- sign 2.152+/-0.000 χ^2/NDF : 4787432.1/48

asym_dsr_mean vs Slug



Right In: -25.060 ± 46.854 χ^2/NDF : 15.9/21

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

Right Out: -54.306 ± 47.789 χ^2/NDF : 18.0/24

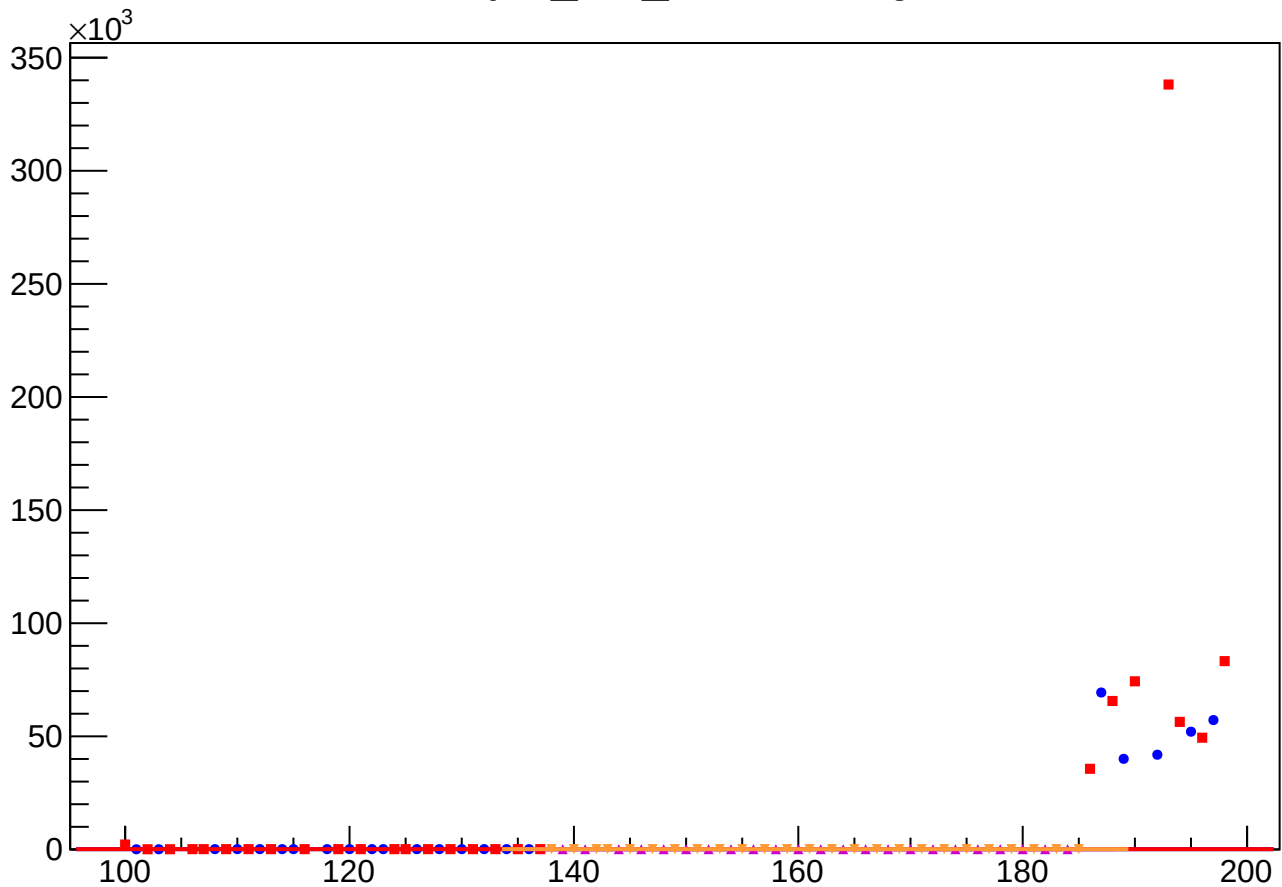
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.109 ± 26.465 χ^2/NDF : 27.8/46

All: 4.258 ± 18.944 χ^2/NDF : 70.7/94

- sign 26.710 ± 27.129 χ^2/NDF : 41.6/47

asym_dsr_rms vs Slug



Right In: 117.861 $\pm$ 0.033 χ^2 /NDF: 3646263.9/21

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

Right Out: 124.797 $\pm$ 0.034 χ^2 /NDF: 4486522.9/25

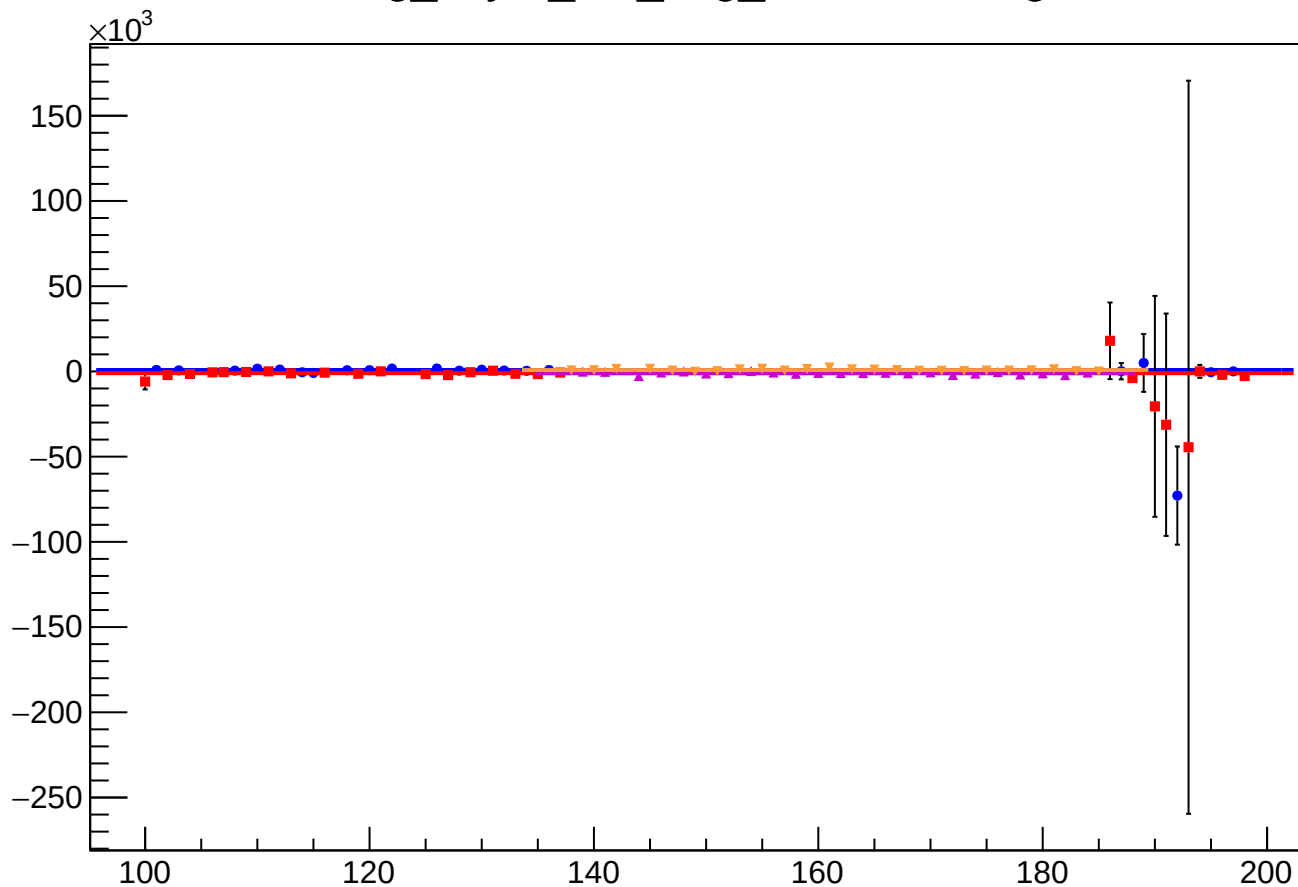
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF: 457.2/22

+ sign 131.503 $\pm$ 0.019 χ^2 /NDF: 3895692.9/46

All: 132.545 $\pm$ 0.013 χ^2 /NDF: 8490048.6/95

- sign 133.639 $\pm$ 0.019 χ^2 /NDF: 4588004.5/48

reg_asym_left_avg_mean vs Slug



Right In: 822.991 ± 214.502 χ^2/NDF : 12.3/20

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

Right Out: -1032.331 ± 210.494 χ^2/NDF : 17.0/25

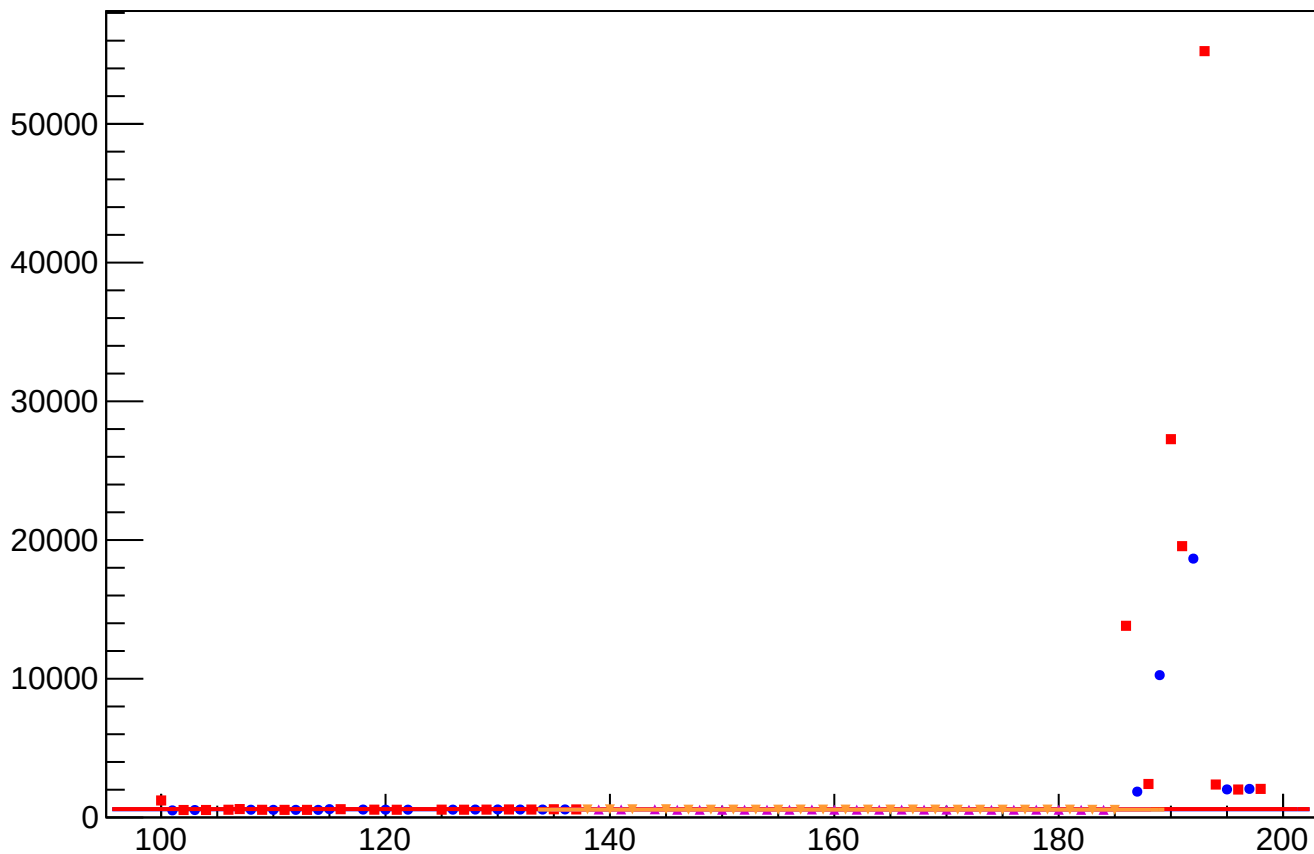
Left In: -974.402 ± 134.932 χ^2/NDF : 27.4/22

+ sign 795.218 ± 113.680 χ^2/NDF : 31.5/44

All: -98.682 ± 80.354 χ^2/NDF : 199.6/93

- sign -991.273 ± 113.596 χ^2/NDF : 44.5/48

reg_asym_left_avg_rms vs Slug



Right In: 588.221+/-0.152 χ^2/NDF : 3259056.7/20

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

Right Out: 605.138+/-0.149 χ^2/NDF : 4303794.3/25

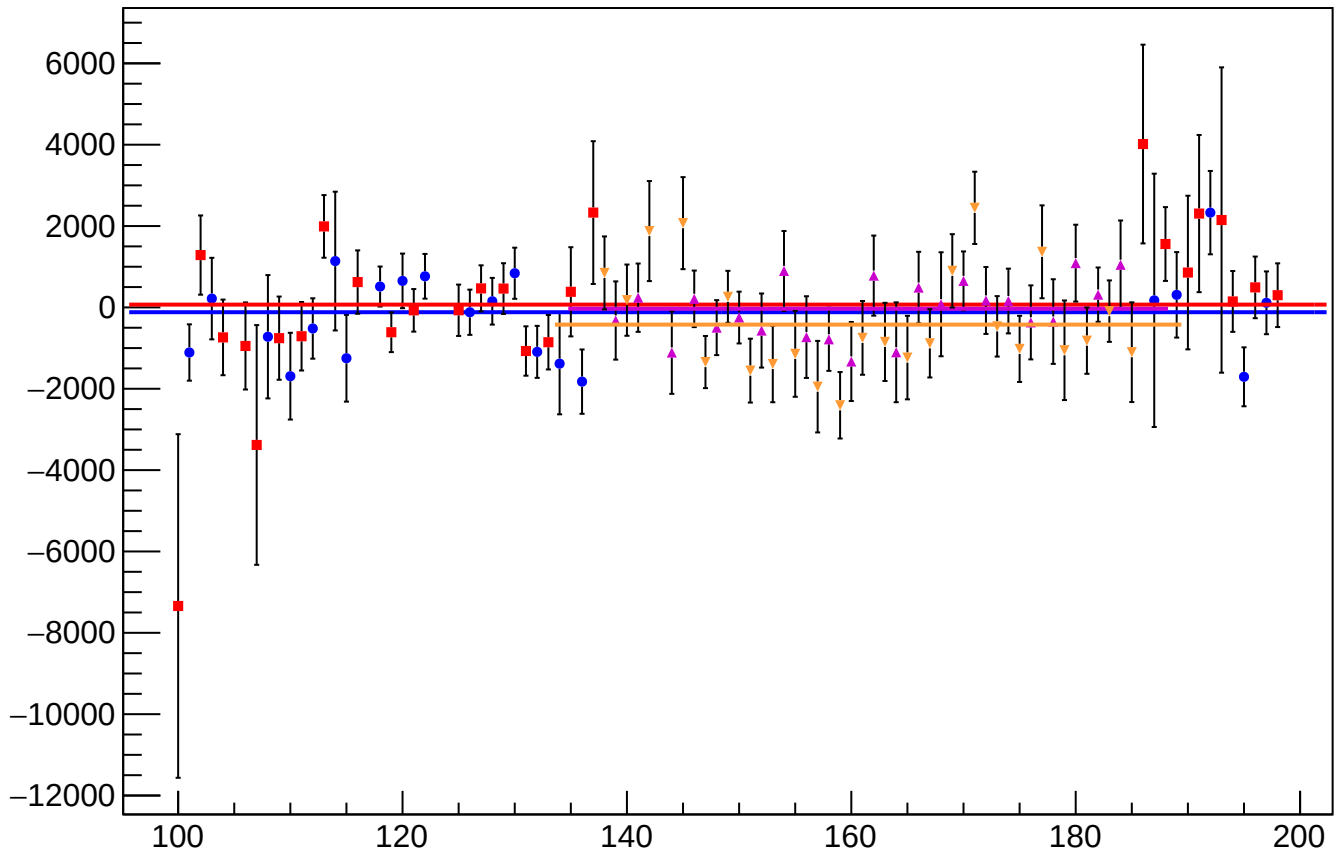
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 570.906+/-0.080 χ^2/NDF : 3286772.2/44

All: 573.581+/-0.057 χ^2/NDF : 7655129.2/93

- sign 576.253+/-0.080 χ^2/NDF : 4366143.3/48

asym_left_avg_correction_mean vs Slug



Right In: -118.128 ± 166.341 χ^2/NDF : 33.3/20

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

Right Out: 68.677 ± 161.673 χ^2/NDF : 33.6/25

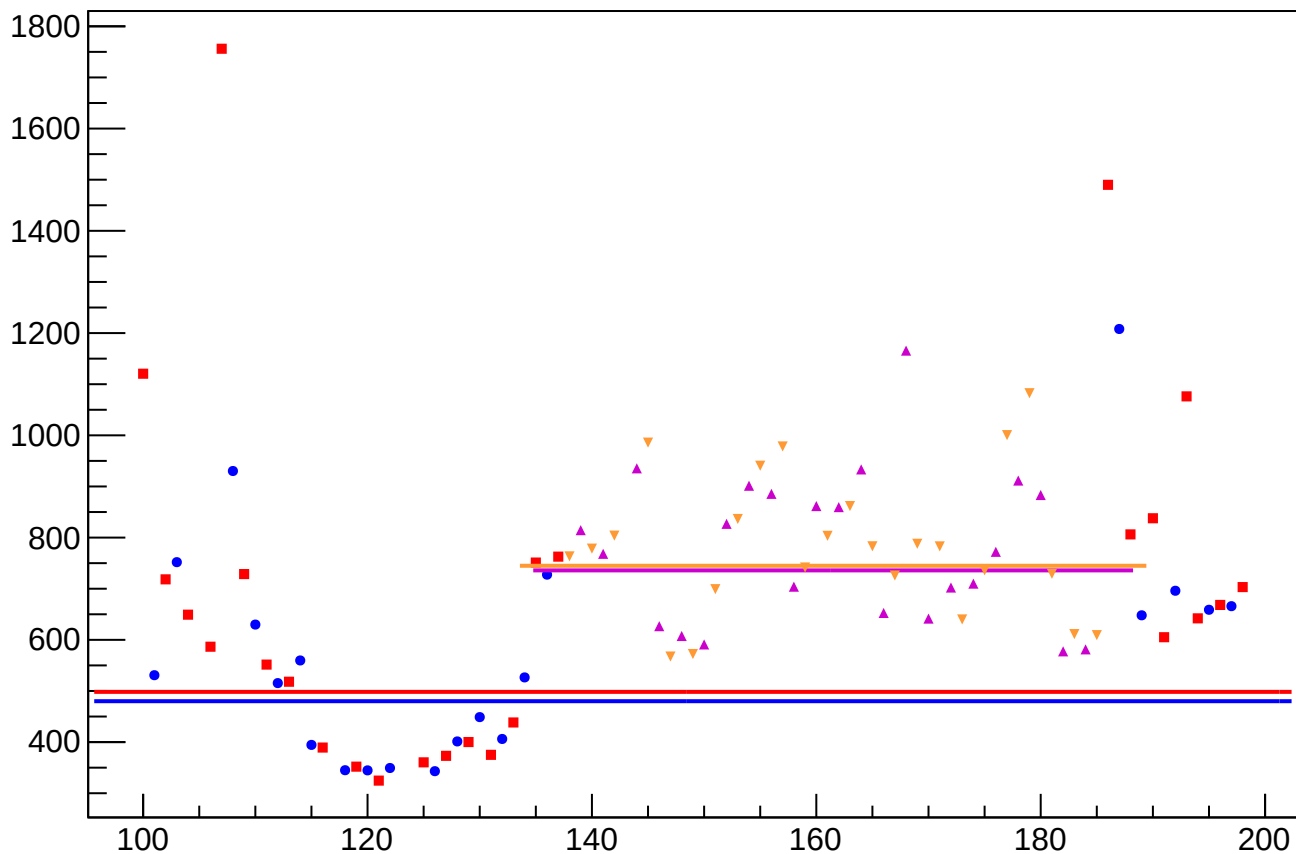
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -257.901 ± 122.355 χ^2/NDF : 78.1/44

All: -114.654 ± 85.713 χ^2/NDF : 126.7/93

- sign 23.381 ± 120.109 χ^2/NDF : 45.9/48

asym_left_avg_correction_rms vs Slug



Right In: 479.996+/-0.118 χ^2/NDF : 1616954.5/20

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

Right Out: 498.265+/-0.114 χ^2/NDF : 2608052.1/25

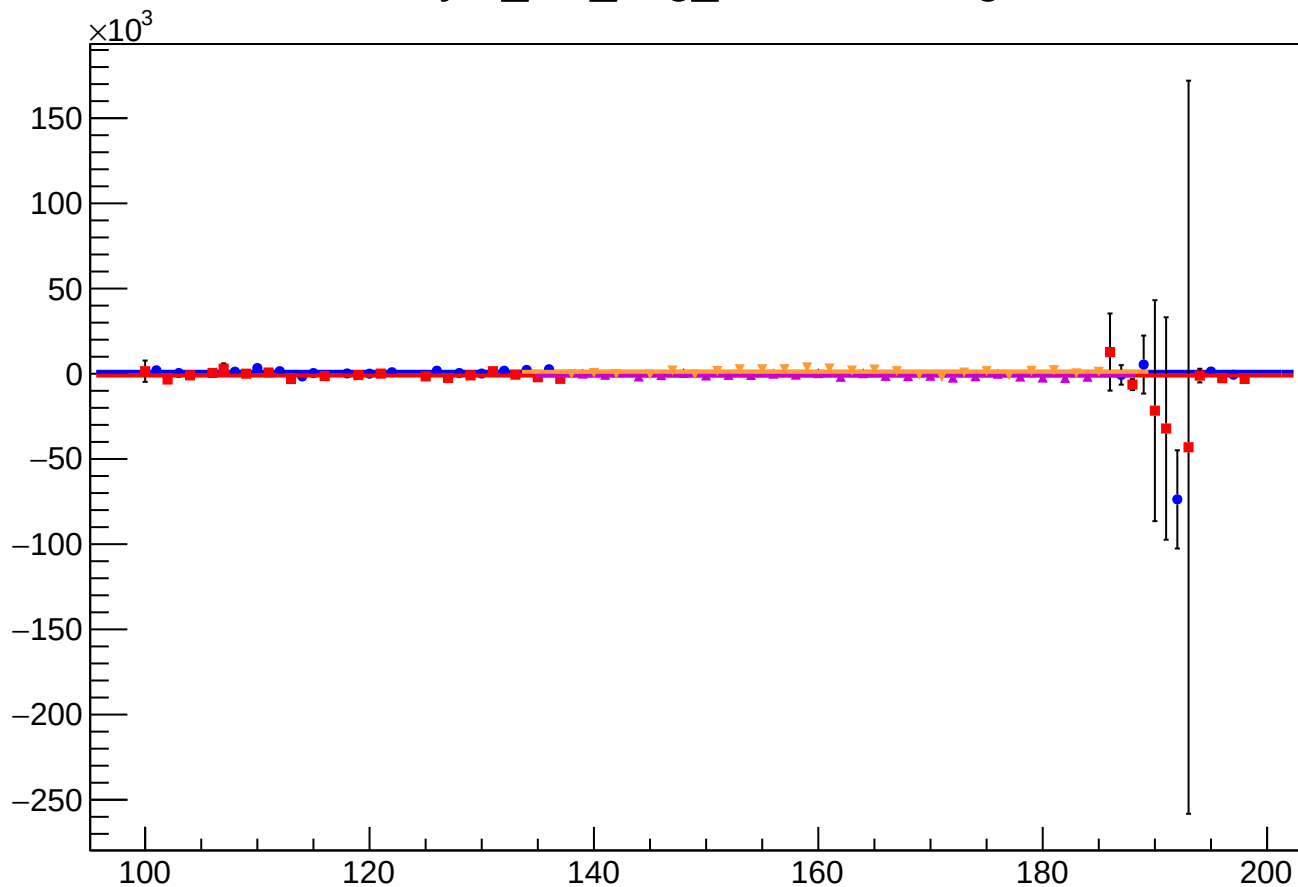
Left In: 735.850+/-0.127 χ^2/NDF : 1105405.5/22

+ sign 601.576+/-0.087 χ^2/NDF : 4953873.9/44

All: 603.179+/-0.061 χ^2/NDF : 10603310.1/93

- sign 604.723+/-0.085 χ^2/NDF : 5648762.7/48

asym_left_avg_mean vs Slug



Right In: 1163.111 $\pm$ 291.301 χ^2 /NDF: 19.1/20

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

Right Out: -1039.284 $\pm$ 287.998 χ^2 /NDF: 27.8/25

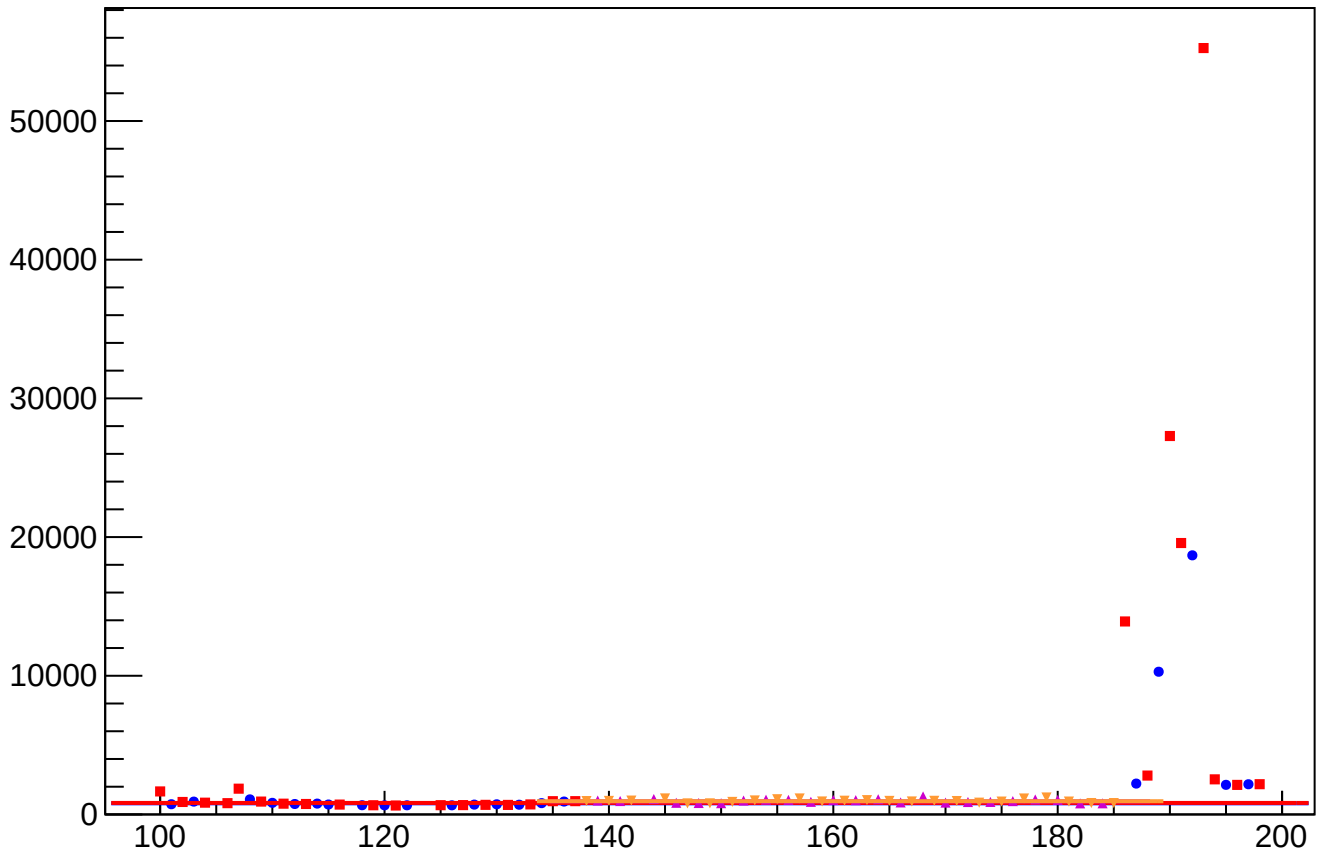
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1147.543 $\pm$ 179.950 χ^2 /NDF: 58.0/44

All: 77.974 $\pm$ 126.877 χ^2 /NDF: 170.9/93

- sign -979.363 $\pm$ 178.918 χ^2 /NDF: 42.6/48

asym_left_avg_rms vs Slug



Right In: 803.104 $\pm$ 0.206 χ^2 /NDF: 3080465.9/20

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

Right Out: 830.601 $\pm$ 0.204 χ^2 /NDF: 4244756.1/25

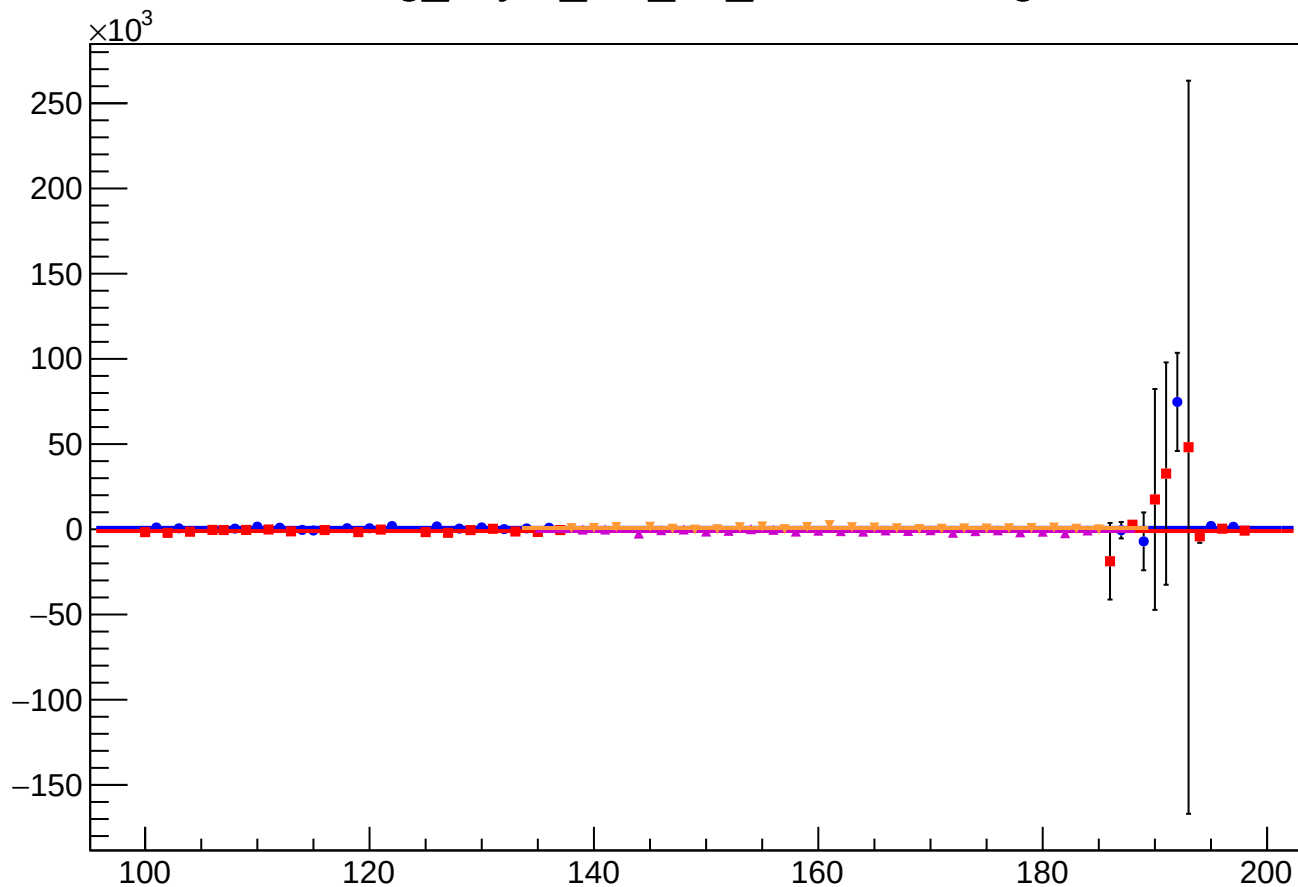
Left In: 946.573 $\pm$ 0.161 χ^2 /NDF: 501366.9/22

+ sign 896.623 $\pm$ 0.127 χ^2 /NDF: 3873948.0/44

All: 899.233 $\pm$ 0.090 χ^2 /NDF: 8820048.7/93

- sign 901.814 $\pm$ 0.127 χ^2 /NDF: 4945263.8/48

reg_asym_left_dd_mean vs Slug



Right In: 861.000 ± 214.347 χ^2/NDF : 13.3/20

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

Right Out: -1000.150 ± 205.658 χ^2/NDF : 16.1/25

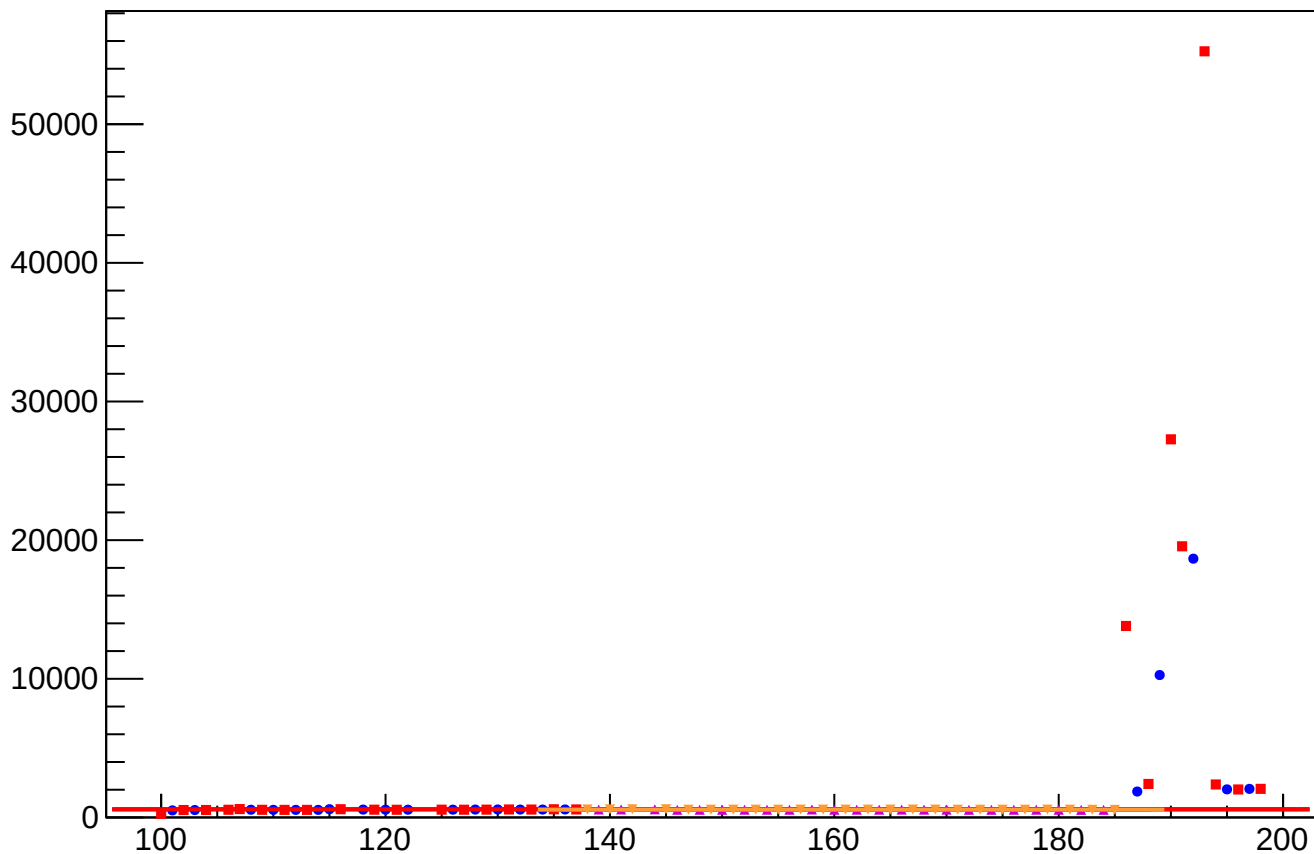
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 786.668 ± 113.589 χ^2/NDF : 34.5/44

All: -98.659 ± 80.023 χ^2/NDF : 198.1/93

- sign -971.031 ± 112.755 χ^2/NDF : 43.0/48

reg_asym_left_dd_rms vs Slug



Right In: 587.714+/-0.152 χ^2/NDF : 3263743.4/20

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

Right Out: 587.264+/-0.145 χ^2/NDF : 4526155.0/25

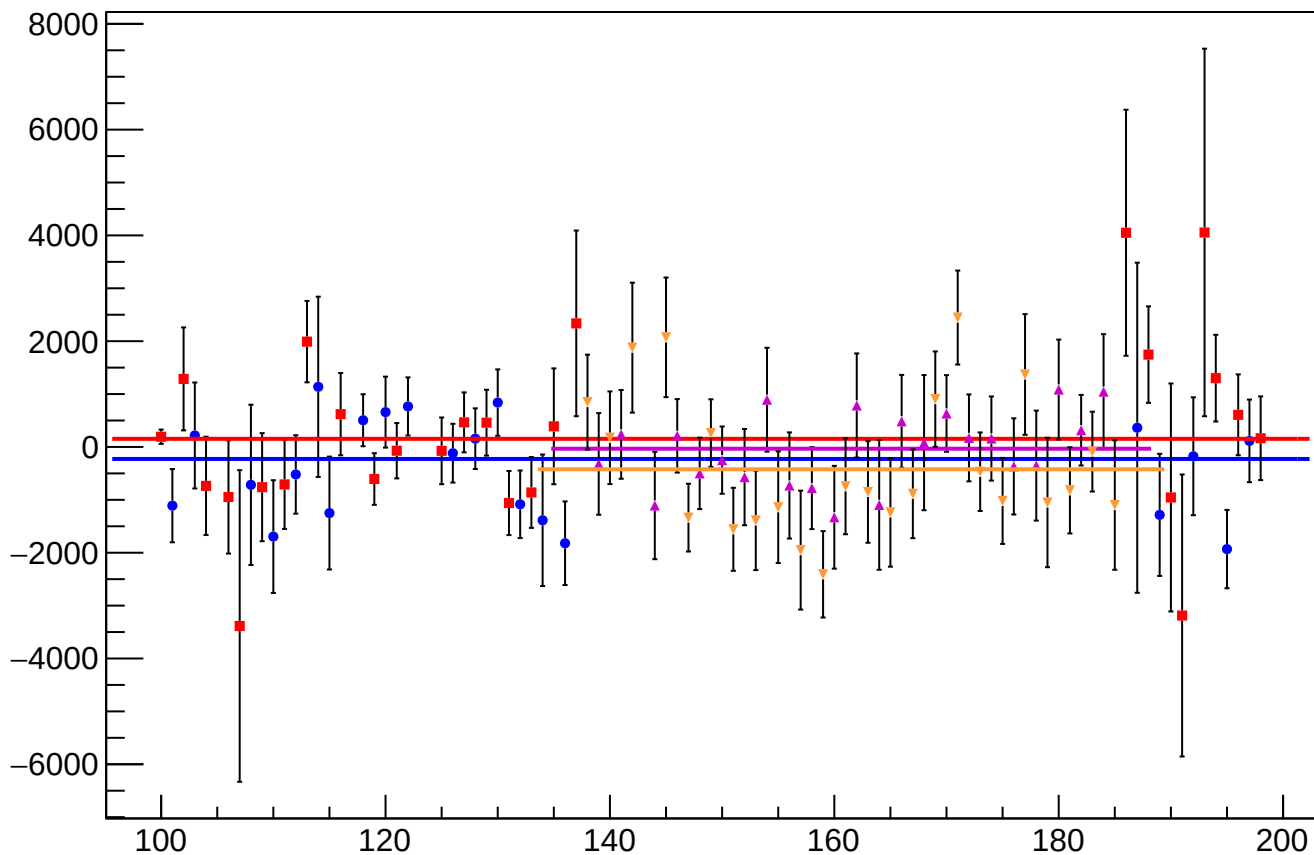
Left In: 563.934+/-0.095 χ^2/NDF : 9204.6/22

+ sign 570.425+/-0.080 χ^2/NDF : 3291377.8/44

All: 570.688+/-0.057 χ^2/NDF : 7844759.8/93

- sign 570.947+/-0.080 χ^2/NDF : 4553360.7/48

asym_left_dd_correction_mean vs Slug



Right In: -226.956+/-167.258 χ^2/NDF : 29.2/20

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

Right Out: 154.011+/-103.924 χ^2/NDF : 35.2/25

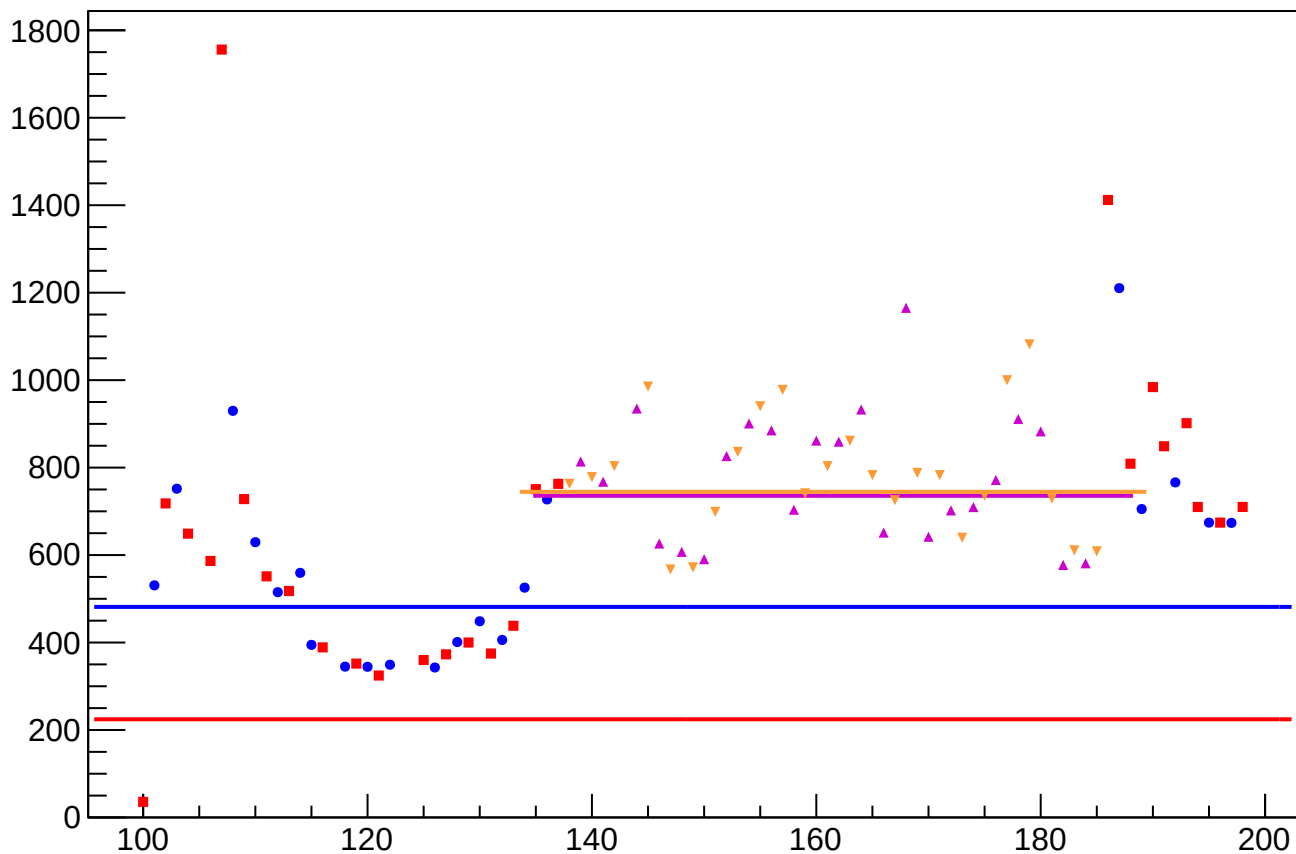
Left In: -33.325+/-179.355 χ^2/NDF : 12.1/22

+ sign -317.195+/-122.694 χ^2/NDF : 73.1/44

All: -41.276+/-72.527 χ^2/NDF : 129.0/93

- sign 106.924+/-89.920 χ^2/NDF : 48.1/48

asym_left_dd_correction_rms vs Slug



Right In: 481.466 $\pm$ 0.118 χ^2 /NDF: 1708448.1/20

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

Right Out: 224.512 $\pm$ 0.073 χ^2 /NDF: 12279935.2/25

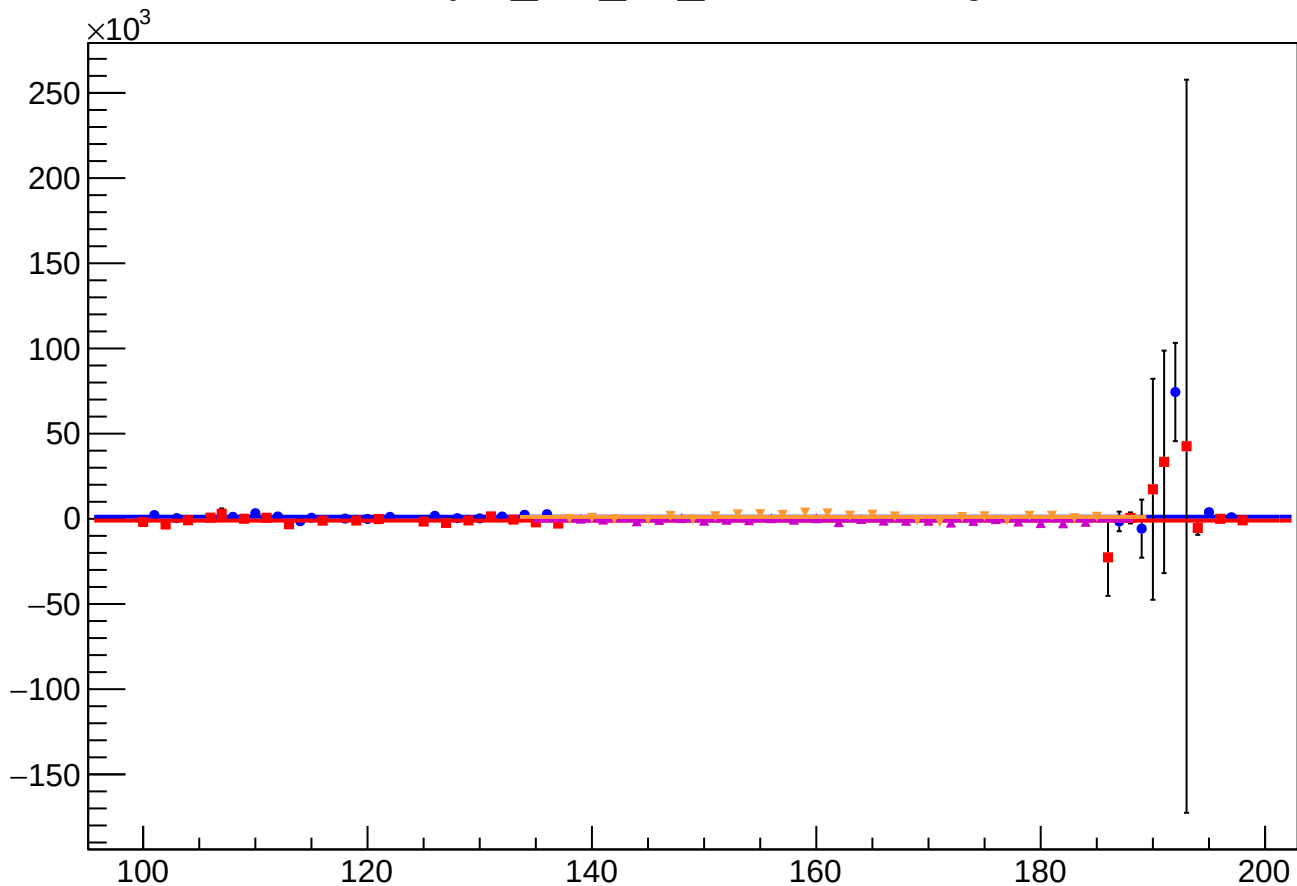
Left In: 735.543 $\pm$ 0.127 χ^2 /NDF: 1105222.3/22

+ sign 603.004 $\pm$ 0.087 χ^2 /NDF: 5004376.3/44

All: 440.333 $\pm$ 0.051 χ^2 /NDF: 35949032.5/93

- sign 352.960 $\pm$ 0.064 χ^2 /NDF: 25540699.9/48

asym_left_dd_mean vs Slug



Right In: 1223.948 $\pm$ 291.141 χ^2 /NDF: 19.8/20

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

Right Out: -1042.678 $\pm$ 276.195 χ^2 /NDF: 25.3/25

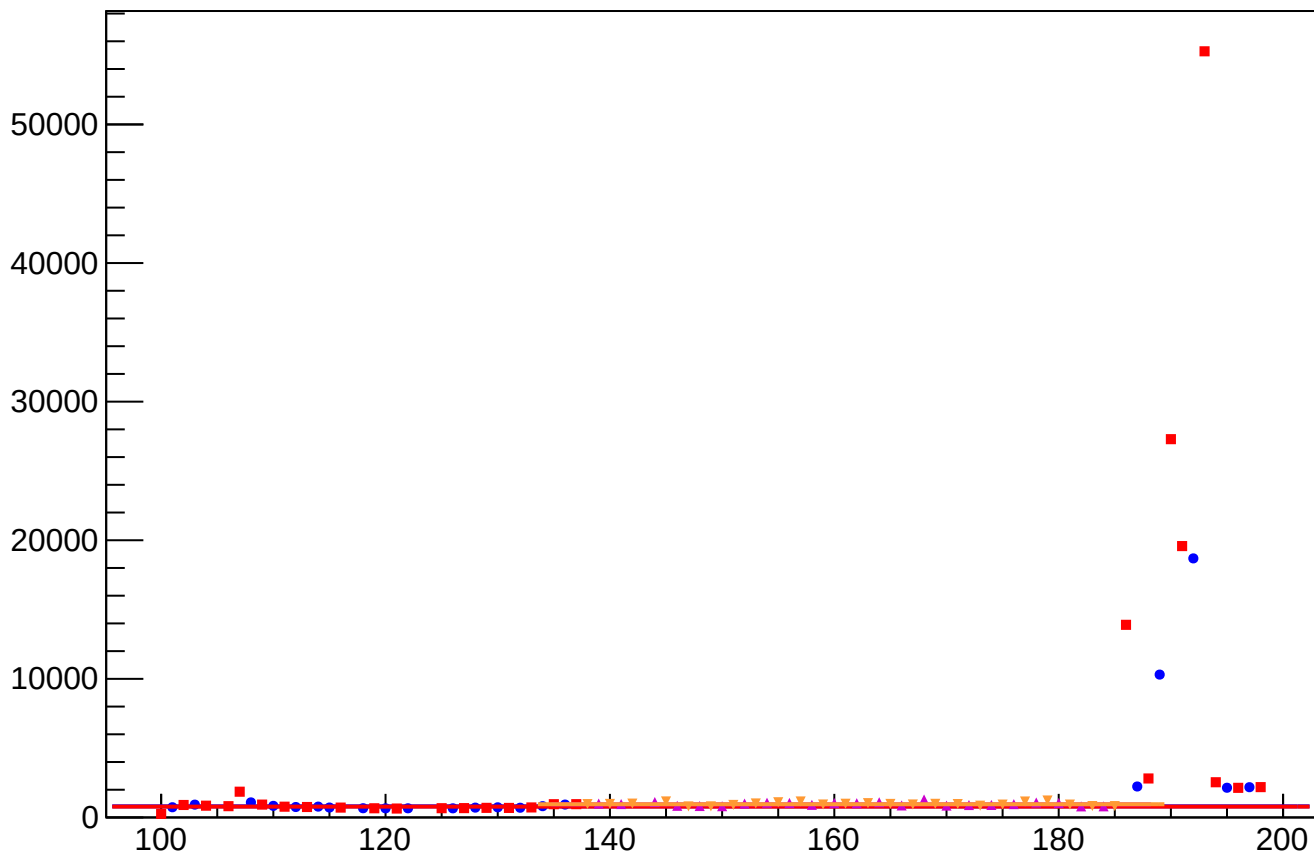
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1150.479 $\pm$ 179.847 χ^2 /NDF: 58.2/44

All: 65.044 $\pm$ 125.760 χ^2 /NDF: 170.0/93

- sign -973.503 $\pm$ 175.920 χ^2 /NDF: 40.5/48

asym_left_dd_rms vs Slug



Right In: 802.477 $\pm$ 0.206 χ^2 /NDF: 3087784.7/20

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

Right Out: 781.776 $\pm$ 0.195 χ^2 /NDF: 4858150.4/25

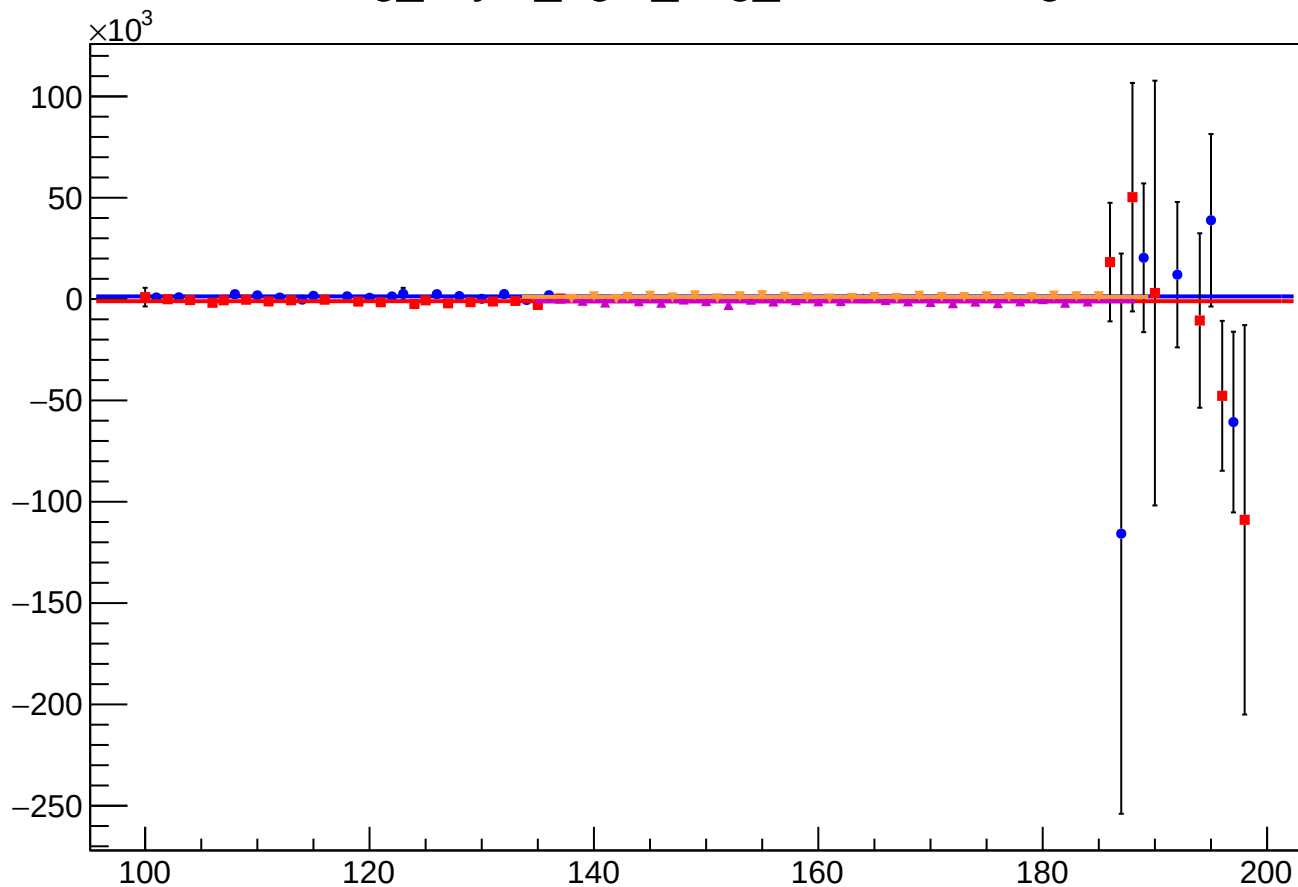
Left In: 946.041 $\pm$ 0.161 χ^2 /NDF: 501442.7/22

+ sign 896.044 $\pm$ 0.127 χ^2 /NDF: 3882037.0/44

All: 887.538 $\pm$ 0.089 χ^2 /NDF: 9670821.2/93

- sign 879.400 $\pm$ 0.124 χ^2 /NDF: 5780029.7/48

reg_asym_right_avg_mean vs Slug



Right In: 1324.334 $\pm$ 218.586 χ^2 /NDF: 16.6/21

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

Right Out: -1041.036 $\pm$ 212.065 χ^2 /NDF: 17.7/24

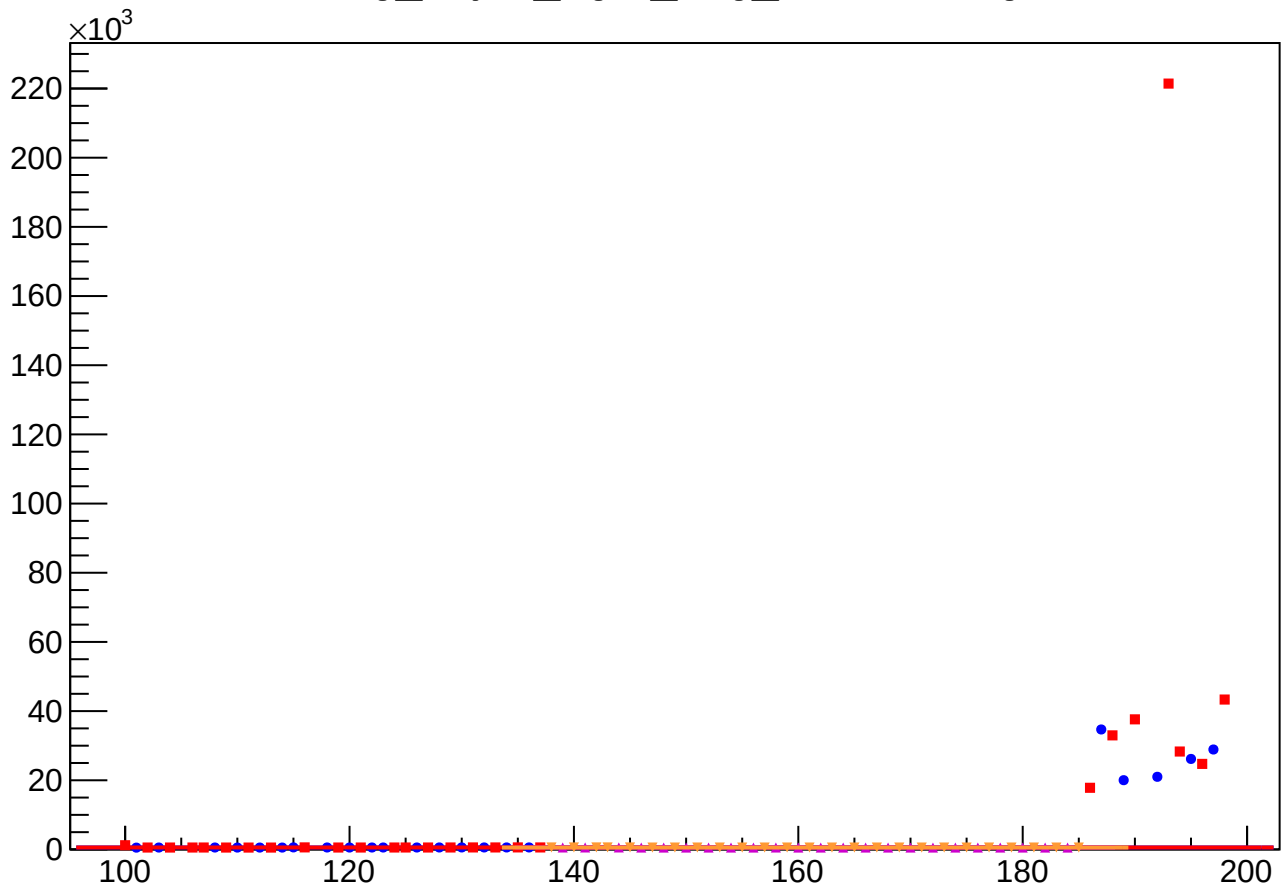
Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

+ sign 1138.901 $\pm$ 111.536 χ^2 /NDF: 32.7/46

All: 31.586 $\pm$ 79.302 χ^2 /NDF: 279.8/94

- sign -1100.435 $\pm$ 112.773 χ^2 /NDF: 47.8/47

reg_asym_right_avg_rms vs Slug



Right In: 566.433 $\pm$ 0.155 χ^2 /NDF: 2899931.6/21

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

Right Out: 568.579 $\pm$ 0.150 χ^2 /NDF: 3923369.2/25

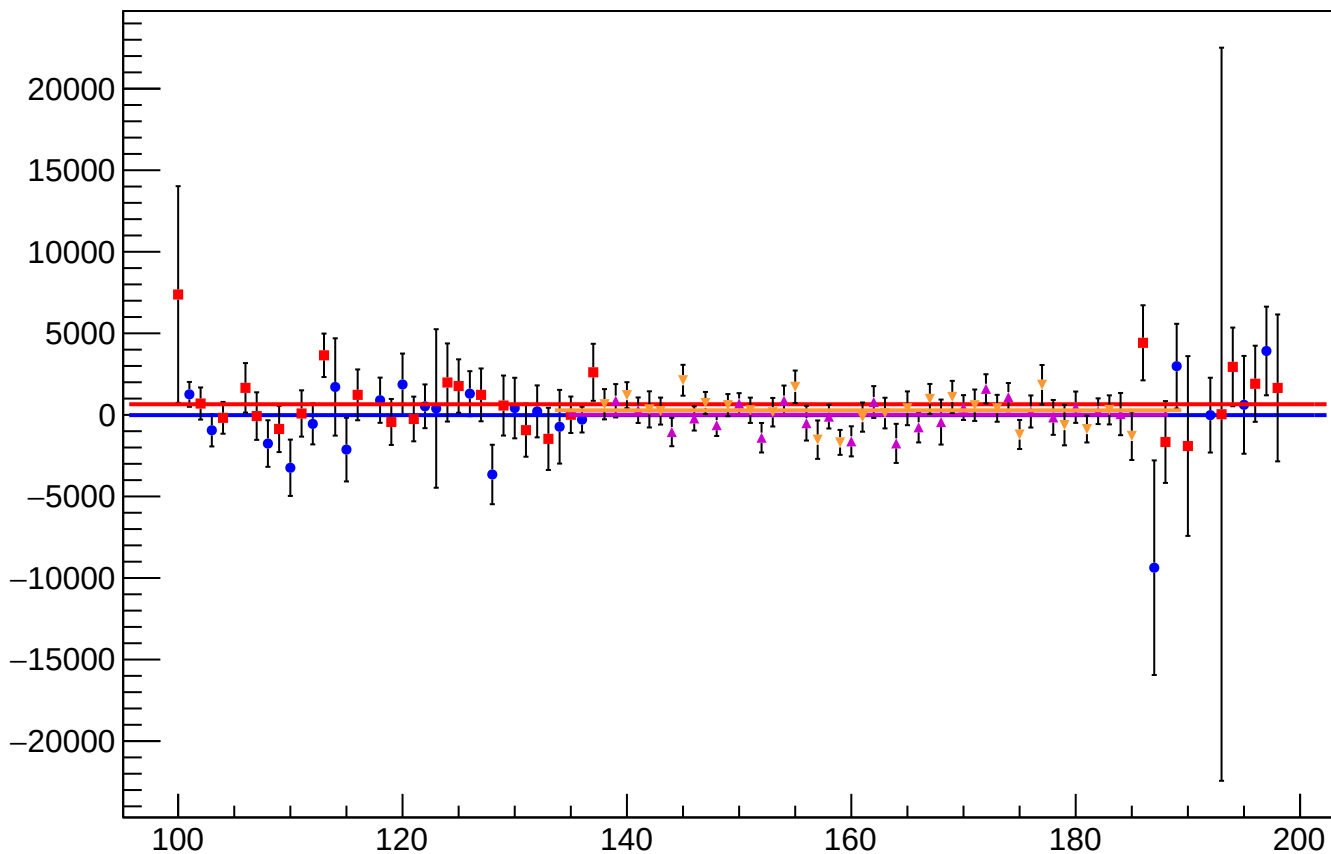
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF:11209.7/22

+ sign 559.851 $\pm$ 0.079 χ^2 /NDF: 2917135.9/46

All: 560.049 $\pm$ 0.056 χ^2 /NDF: 6856026.8/95

- sign 560.252 $\pm$ 0.080 χ^2 /NDF: 3938878.1/48

asym_right_avg_correction_mean vs Slug



Right In: -15.180 ± 318.013 χ^2/NDF : 22.6/21

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

Right Out: 652.836 ± 319.328 χ^2/NDF : 19.6/25

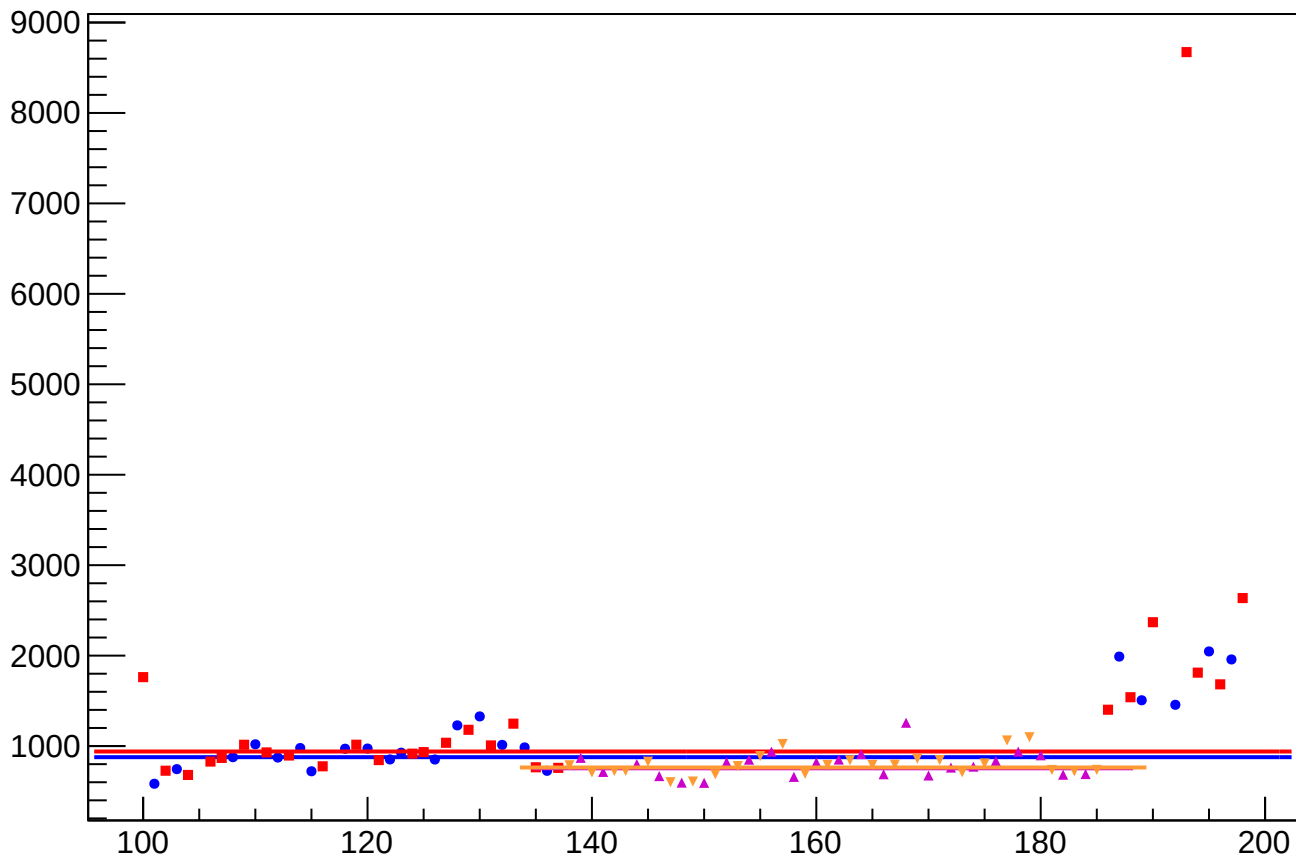
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 209.541 ± 156.927 χ^2/NDF : 50.0/46

All: 189.086 ± 111.698 χ^2/NDF : 92.9/95

- sign 168.079 ± 159.024 χ^2/NDF : 42.9/48

asym_right_avg_correction_rms vs Slug



Right In: 877.131 ± 0.225 $\chi^2/\text{NDF}: 1584197.4/21$

Left Out: 763.085 ± 0.128 $\chi^2/\text{NDF}: 753700.1/24$

Right Out: 939.839 ± 0.226 $\chi^2/\text{NDF}: 1809099.8/25$

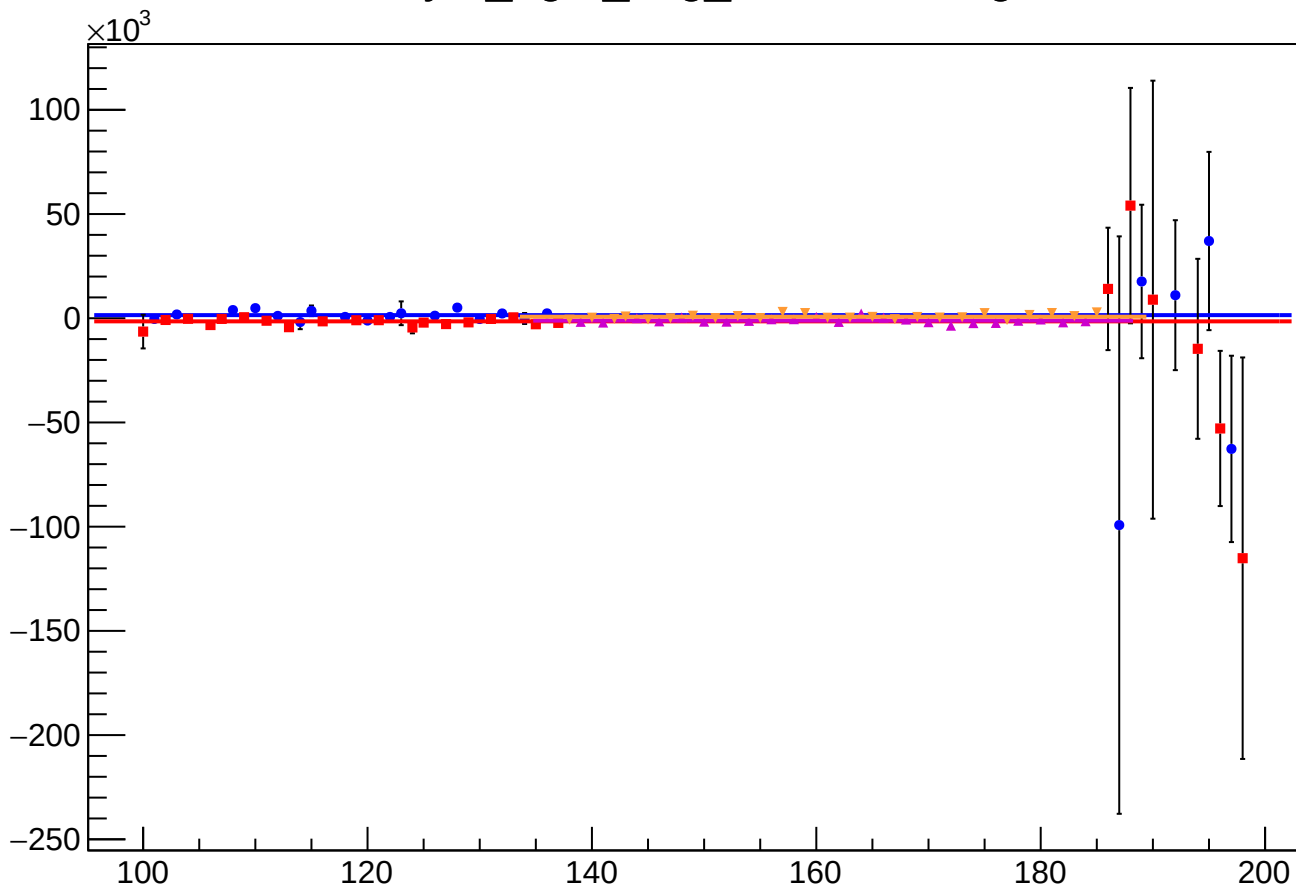
Left In: 754.099 ± 0.130 $\chi^2/\text{NDF}: 931829.3/22$

+ sign 790.855 ± 0.111 $\chi^2/\text{NDF}: 2532483.1/46$

All: 795.447 ± 0.079 $\chi^2/\text{NDF}: 5785728.7/95$

- sign 800.163 ± 0.112 $\chi^2/\text{NDF}: 3249774.5/48$

asym_right_avg_mean vs Slug



Right In: 1498.191 ± 402.582 χ^2/NDF : 20.7/21

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

Right Out: -1490.964 ± 400.624 χ^2/NDF : 16.7/24

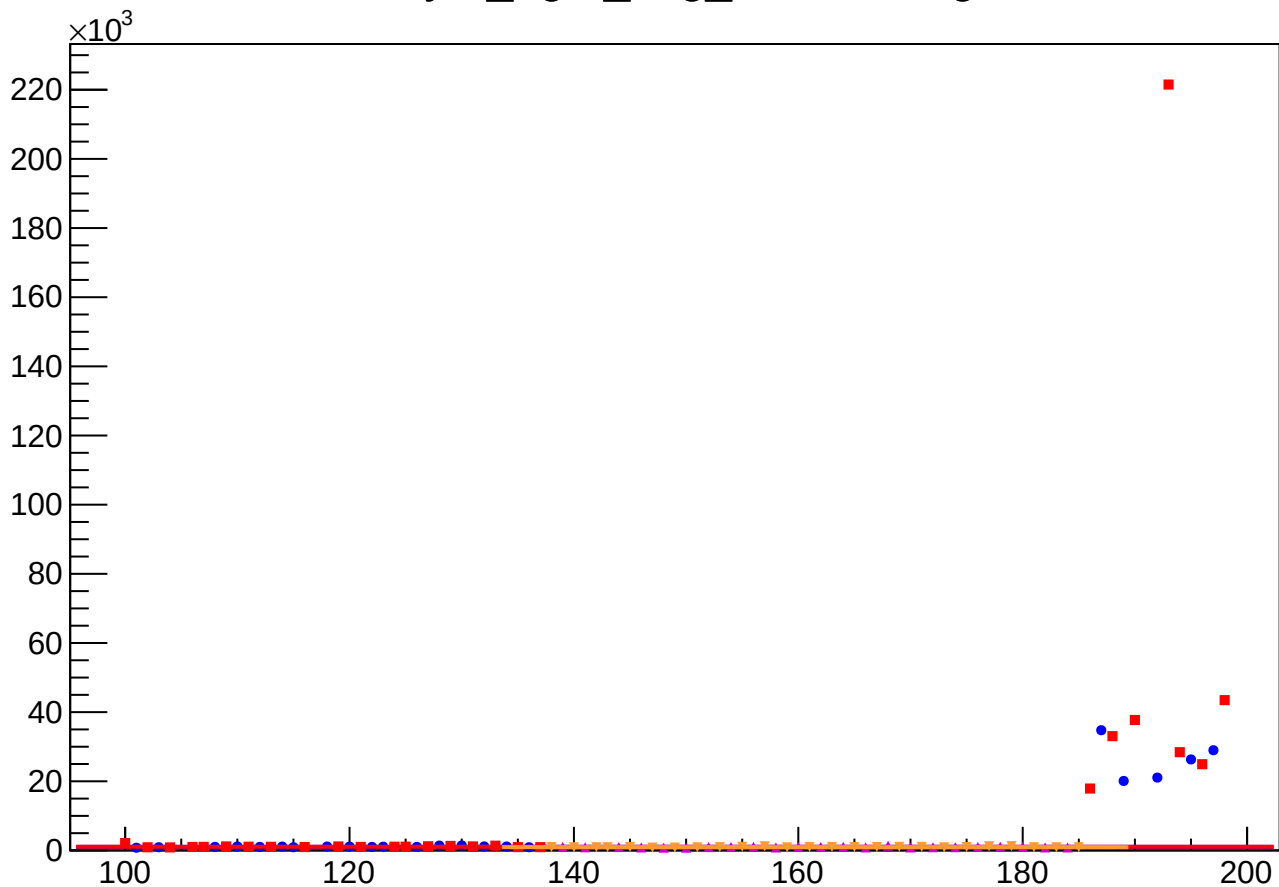
Left In: -1124.587 ± 230.065 χ^2/NDF : 25.4/22

+ sign 920.841 ± 196.762 χ^2/NDF : 44.9/46

All: -132.501 ± 140.092 χ^2/NDF : 145.7/94

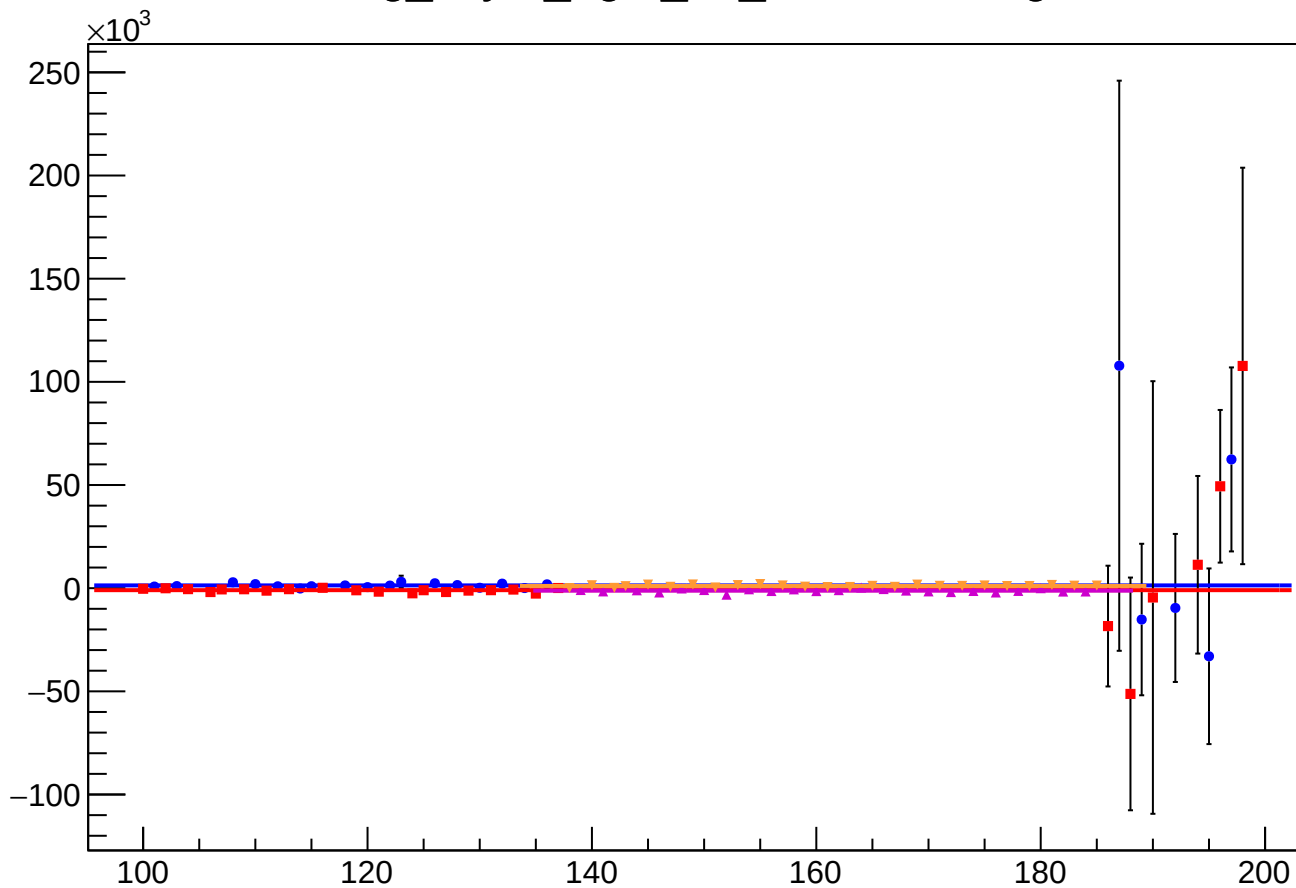
- sign -1215.448 ± 199.508 χ^2/NDF : 42.7/47

asym_right_avg_rms vs Slug



Right In: 1031.661 ± 0.285 χ^2/NDF : 3115476.5/21 + sign 978.835 ± 0.139 χ^2/NDF : 3523658.3/46
Left Out: 962.256 ± 0.159 χ^2/NDF : 362937.6/24 All: 980.919 ± 0.099 χ^2/NDF : 8061308.5/95
Right Out: 1069.235 ± 0.283 χ^2/NDF : 3970749.7/25 - sign 983.062 ± 0.141 χ^2/NDF : 4537195.1/48
Left In: 954.643 ± 0.163 χ^2/NDF : 443395.0/22

reg_asym_right_dd_mean vs Slug



Right In: 1345.236 $\pm$ 218.841 χ^2 /NDF: 15.4/21

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

Right Out: -964.622 $\pm$ 208.601 χ^2 /NDF: 16.6/24

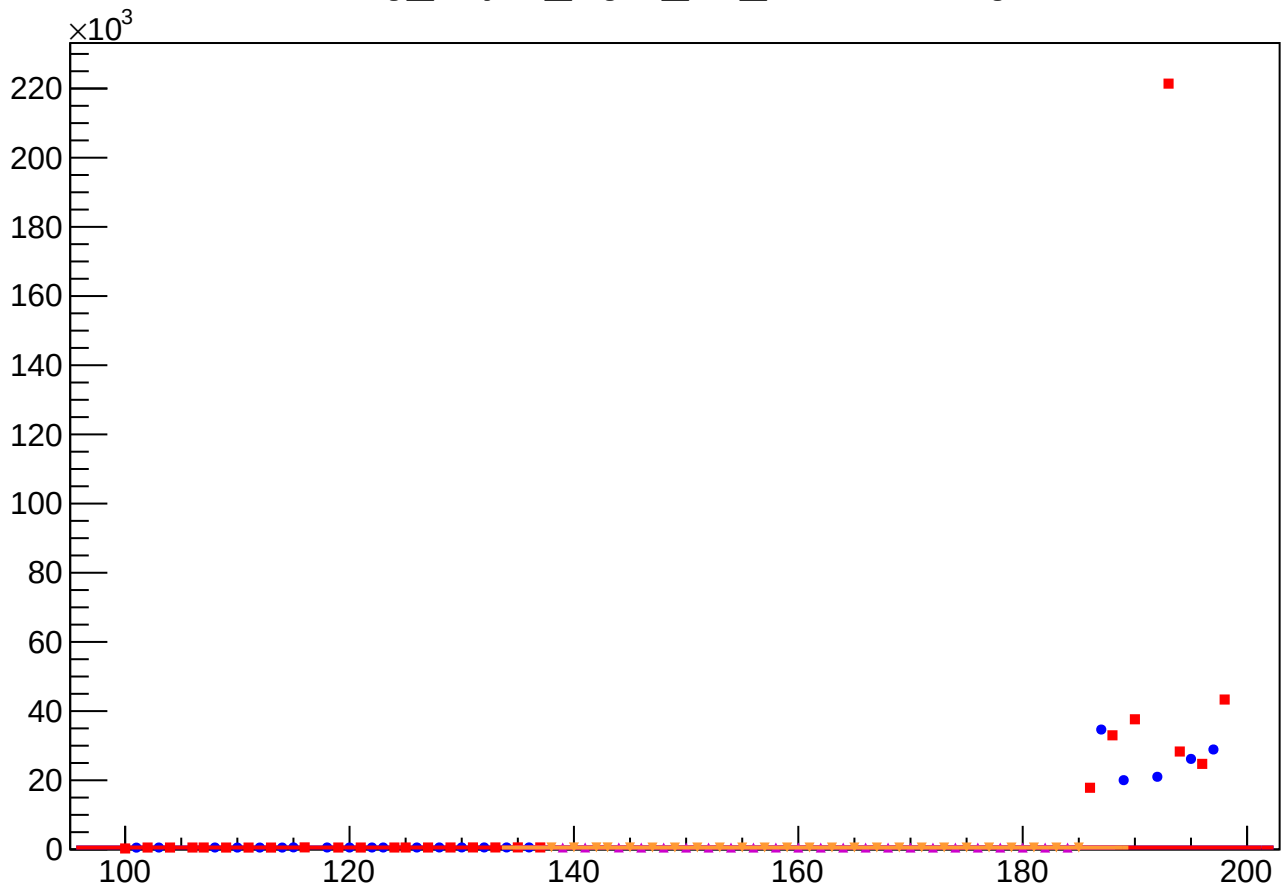
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.684 $\pm$ 111.653 χ^2 /NDF: 31.4/46

All: 22.117 $\pm$ 79.190 χ^2 /NDF: 288.0/94

- sign -1124.275 $\pm$ 112.333 χ^2 /NDF: 49.6/47

reg_asym_right_dd_rms vs Slug



Right In: 567.091 $\pm$ 0.155 χ^2 /NDF: 2900003.1/21

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

Right Out: 557.609 $\pm$ 0.148 χ^2 /NDF: 4009816.3/25

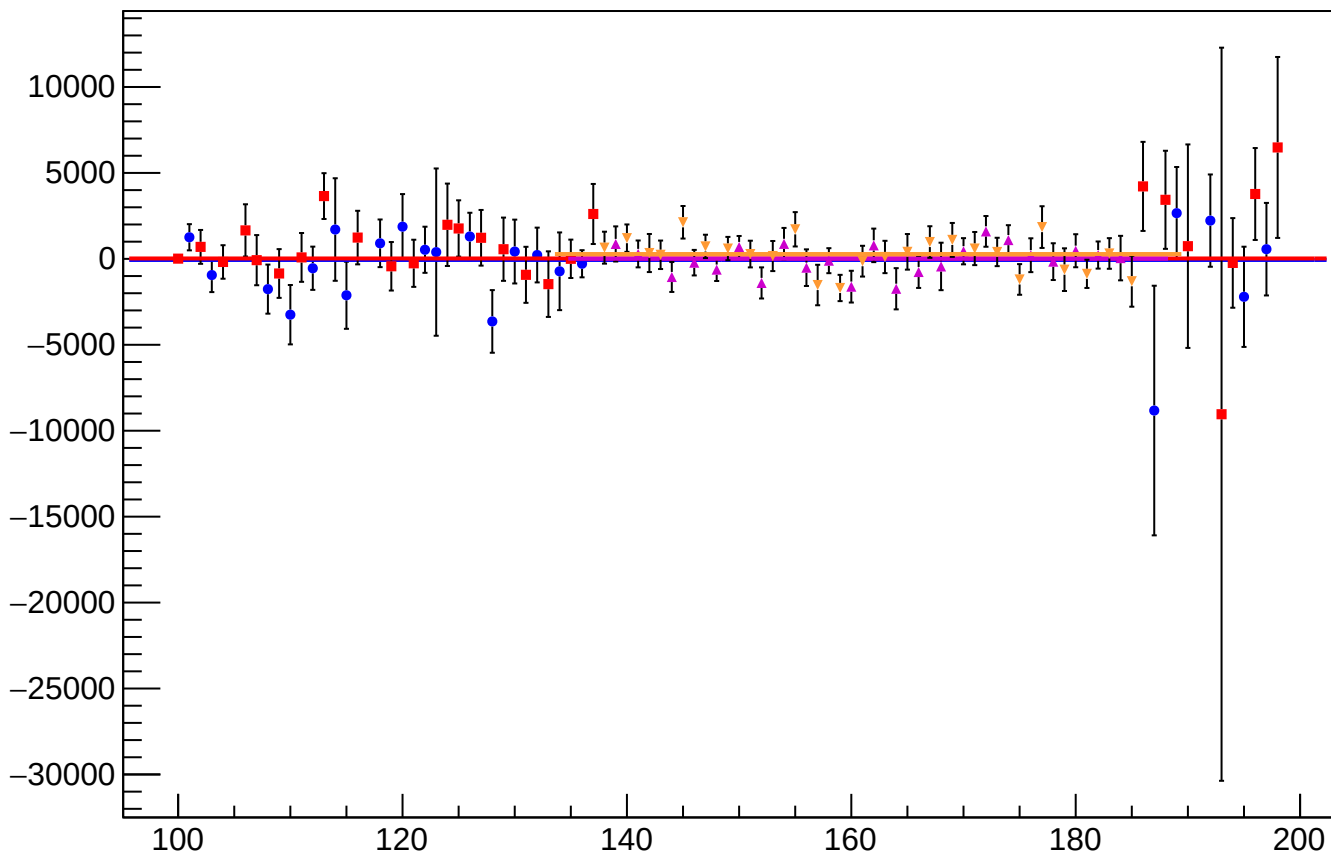
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

+ sign 560.440 $\pm$ 0.079 χ^2 /NDF: 2917286.2/46

All: 559.029 $\pm$ 0.056 χ^2 /NDF: 6939022.2/95

- sign 557.600 $\pm$ 0.079 χ^2 /NDF: 4021093.1/48

asym_right_dd_correction_mean vs Slug



Right In: -63.376 ± 319.009 χ^2/NDF : 20.8/21

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

Right Out: 22.756 ± 38.937 χ^2/NDF : 23.6/25

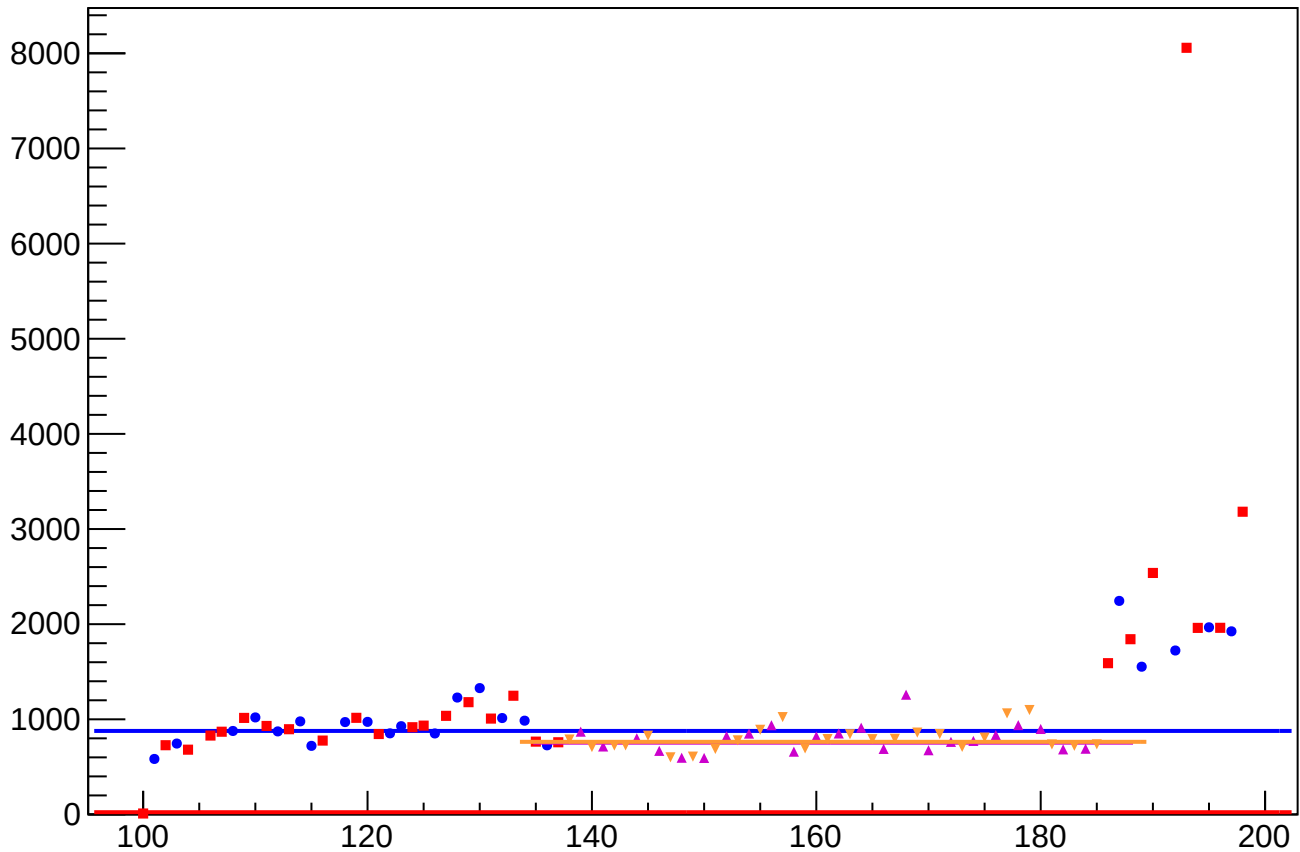
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 197.806 ± 157.082 χ^2/NDF : 48.5/46

All: 31.847 ± 37.016 χ^2/NDF : 93.5/95

- sign 22.090 ± 38.088 χ^2/NDF : 43.7/48

asym_right_dd_correction_rms vs Slug



Right In: 877.847 $\pm$ 0.226 χ^2 /NDF: 1639895.1/21

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

Right Out: 23.616 $\pm$ 0.028 χ^2 /NDF: 18546967.1/25

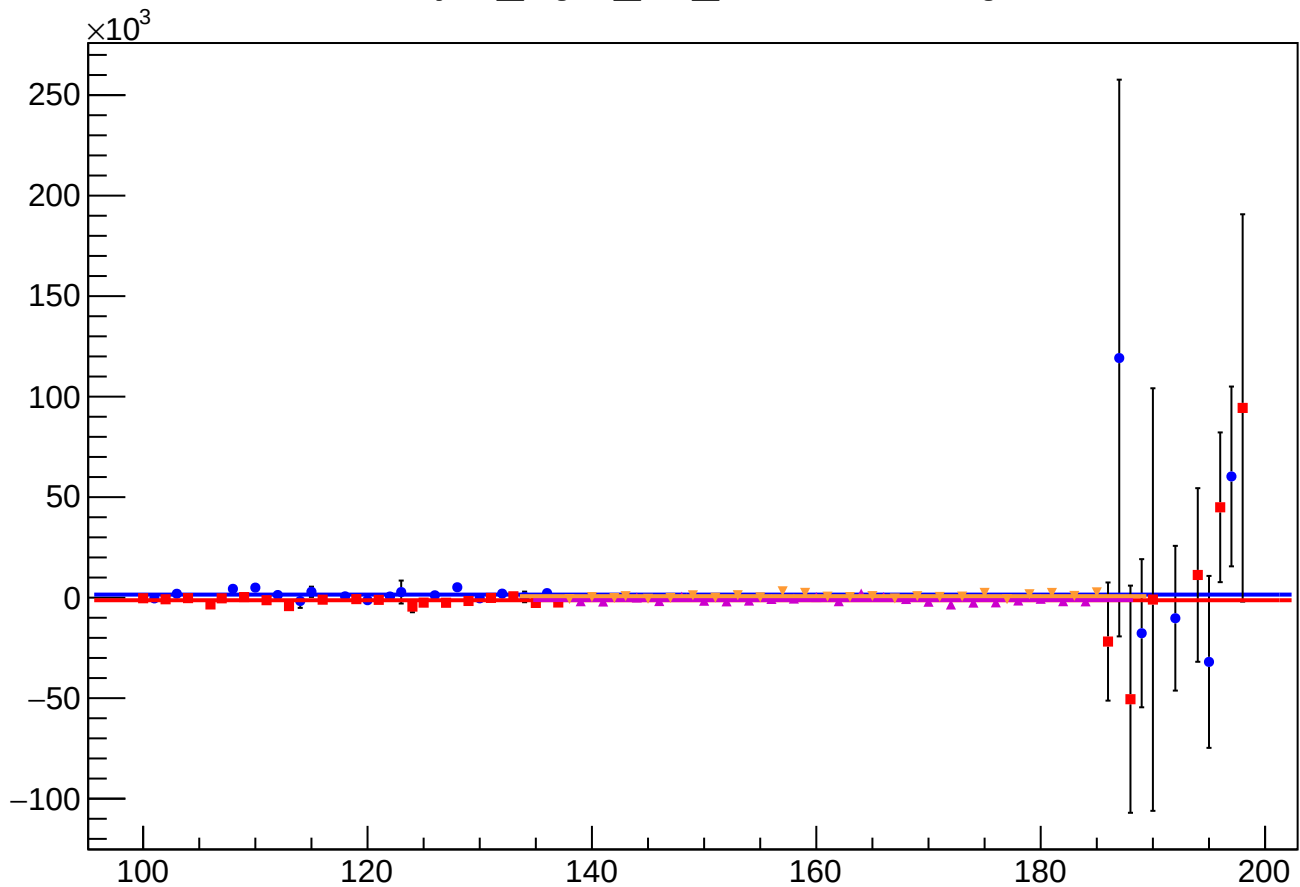
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 791.079 $\pm$ 0.111 χ^2 /NDF: 2588943.2/46

All: 95.981 $\pm$ 0.026 χ^2 /NDF: 93901189.1/95

- sign 55.114 $\pm$ 0.027 χ^2 /NDF: 49847421.7/48

asym_right_dd_mean vs Slug



Right In: 1518.514 ± 402.805 χ^2/NDF : 21.2/21

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

Right Out: -1285.947 ± 376.601 χ^2/NDF : 16.2/24

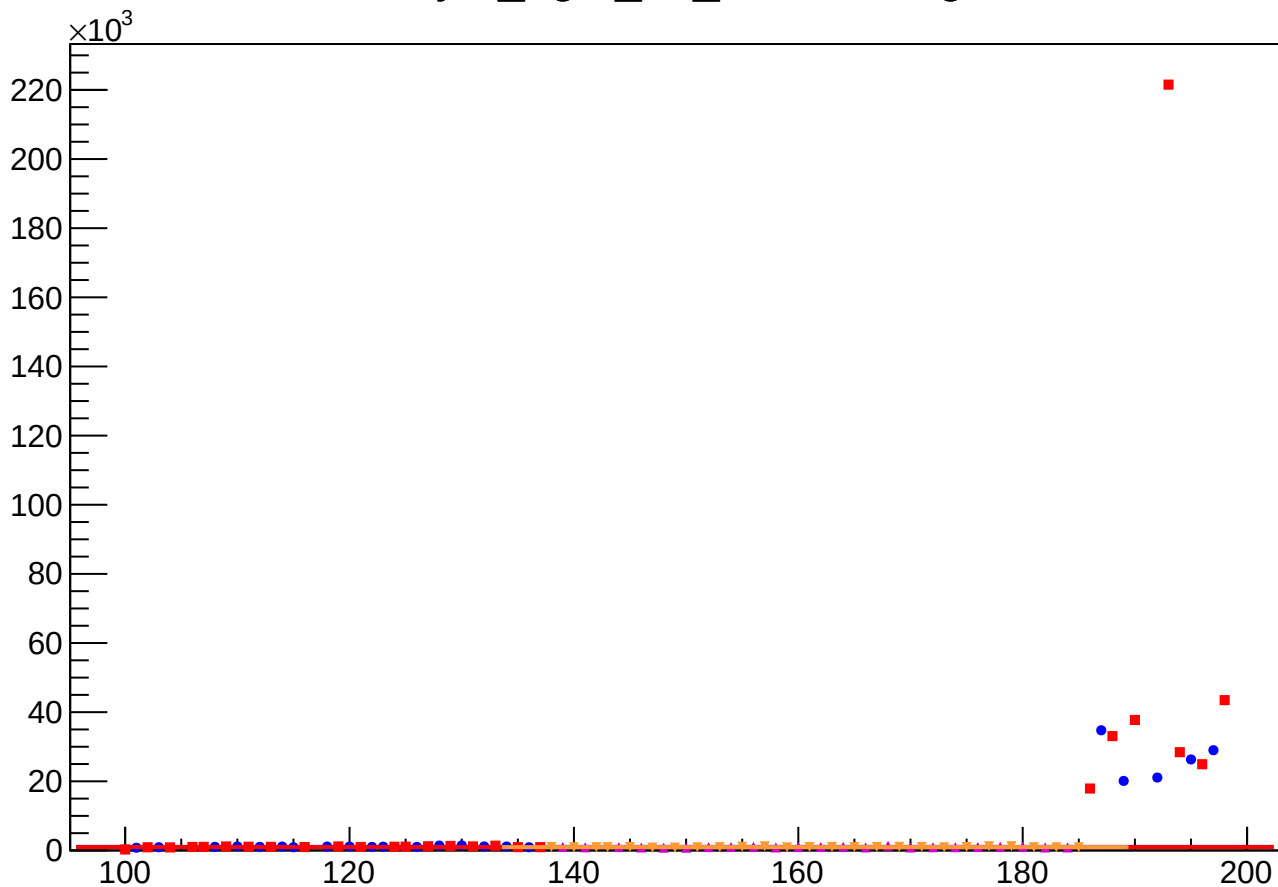
Left In: -1176.288 ± 230.229 χ^2/NDF : 24.2/22

+ sign 928.116 ± 196.870 χ^2/NDF : 44.3/46

All: -141.386 ± 139.052 χ^2/NDF : 143.7/94

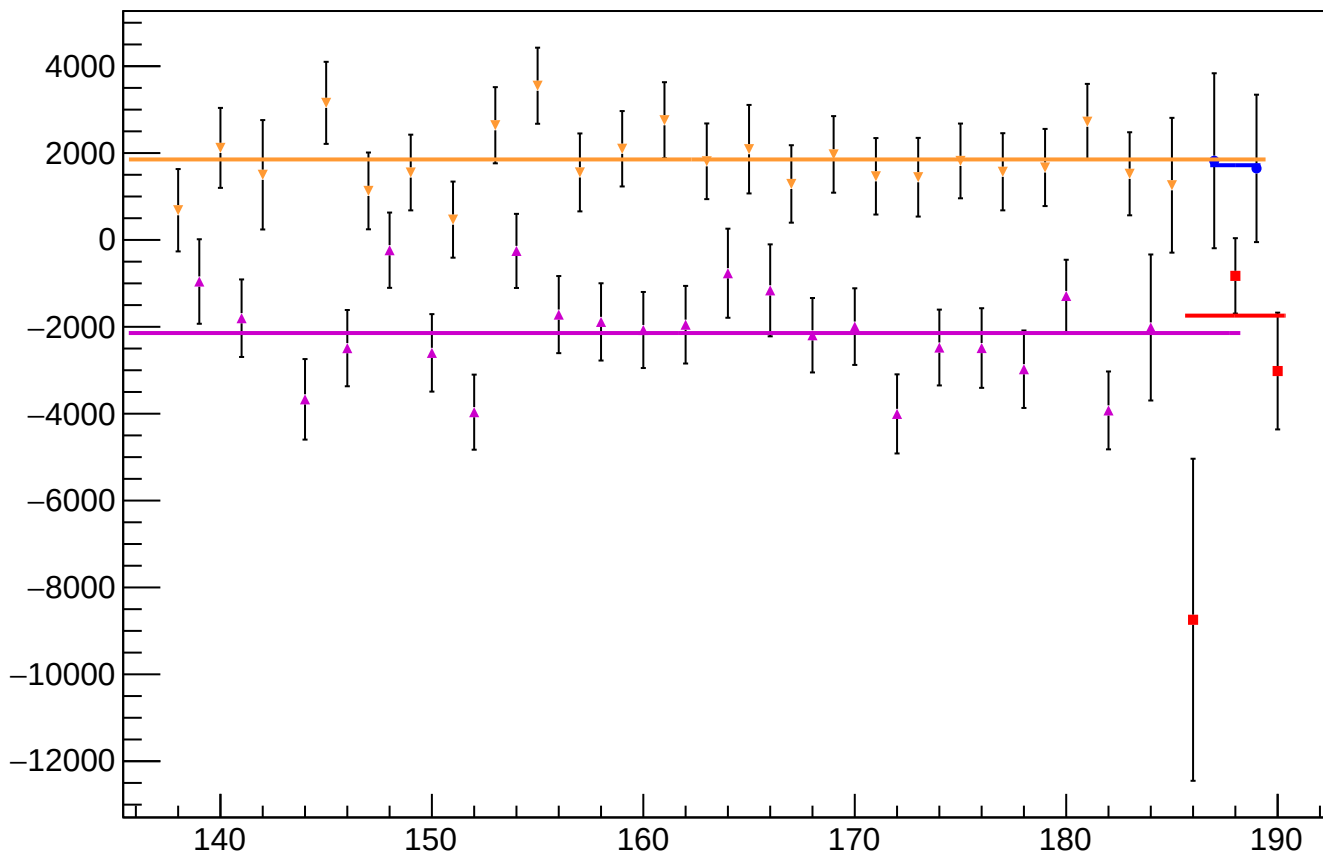
- sign -1206.121 ± 196.430 χ^2/NDF : 40.5/47

asym_right_dd_rms vs Slug



Right In: 1032.239 $\pm$ 0.285 χ^2 /NDF: 3115627.6/21 + sign 979.369 $\pm$ 0.139 χ^2 /NDF: 3523734.0/46
Left Out: 962.776 $\pm$ 0.160 χ^2 /NDF: 362837.8/24 All: 969.895 $\pm$ 0.098 χ^2 /NDF: 8813271.1/95
Right Out: 974.199 $\pm$ 0.266 χ^2 /NDF: 4833571.6/25 - sign 960.464 $\pm$ 0.139 χ^2 /NDF: 5280294.8/48
Left In: 955.331 $\pm$ 0.163 χ^2 /NDF: 443068.5/22

cor_asym_us_avg_mean vs Slug



Right In: 1720.097 ± 1297.686 χ^2/NDF : 0.0/1

Left Out: 1852.926 ± 187.412 χ^2/NDF : 15.0/23

Right Out: -1742.386 ± 715.276 χ^2/NDF : 5.6/2

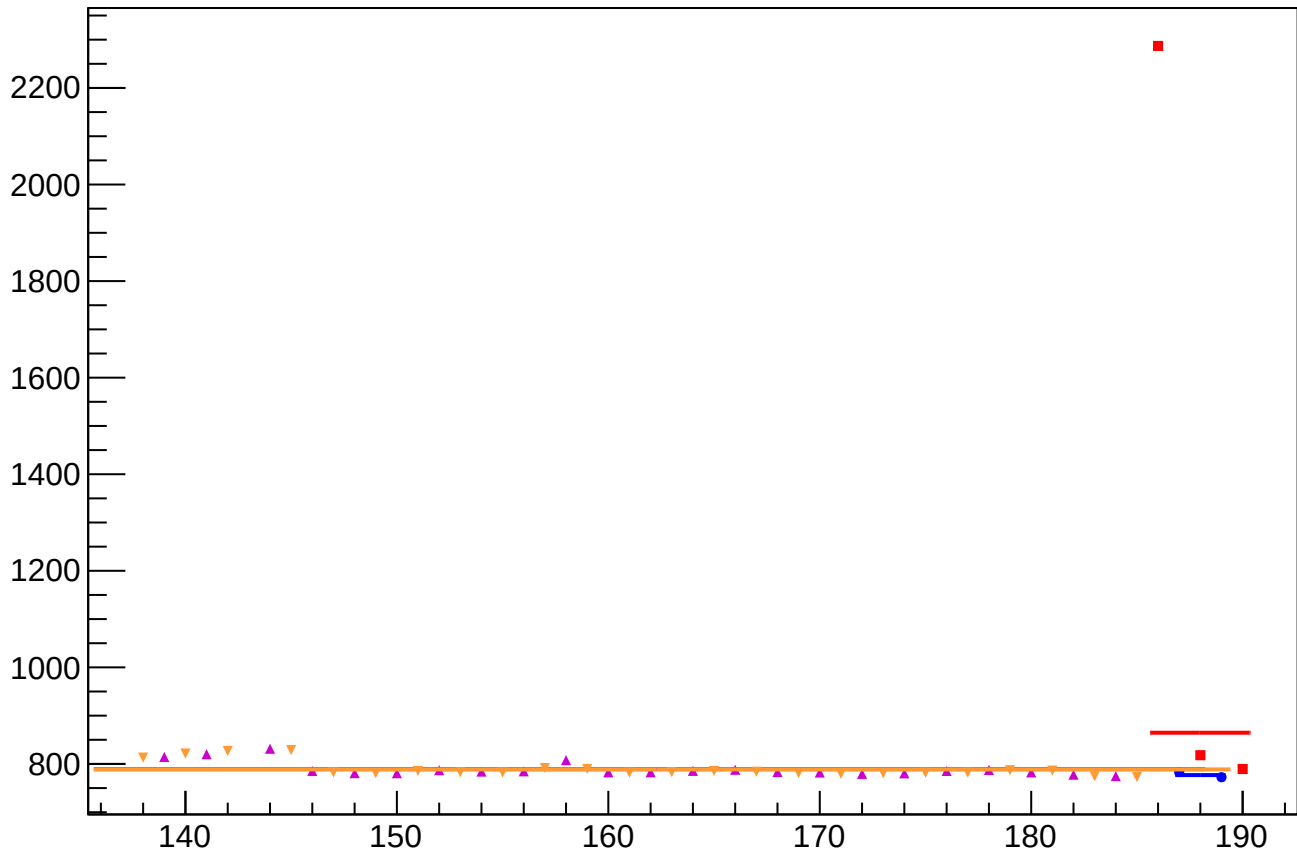
Left In: -2143.254 ± 190.144 χ^2/NDF : 32.4/22

+ sign 1850.213 ± 185.488 χ^2/NDF : 15.0/25

All: -151.835 ± 130.545 χ^2/NDF : 284.1/51

- sign -2116.795 ± 183.762 χ^2/NDF : 38.2/25

cor_asym_us_avg_rms vs Slug



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

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

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

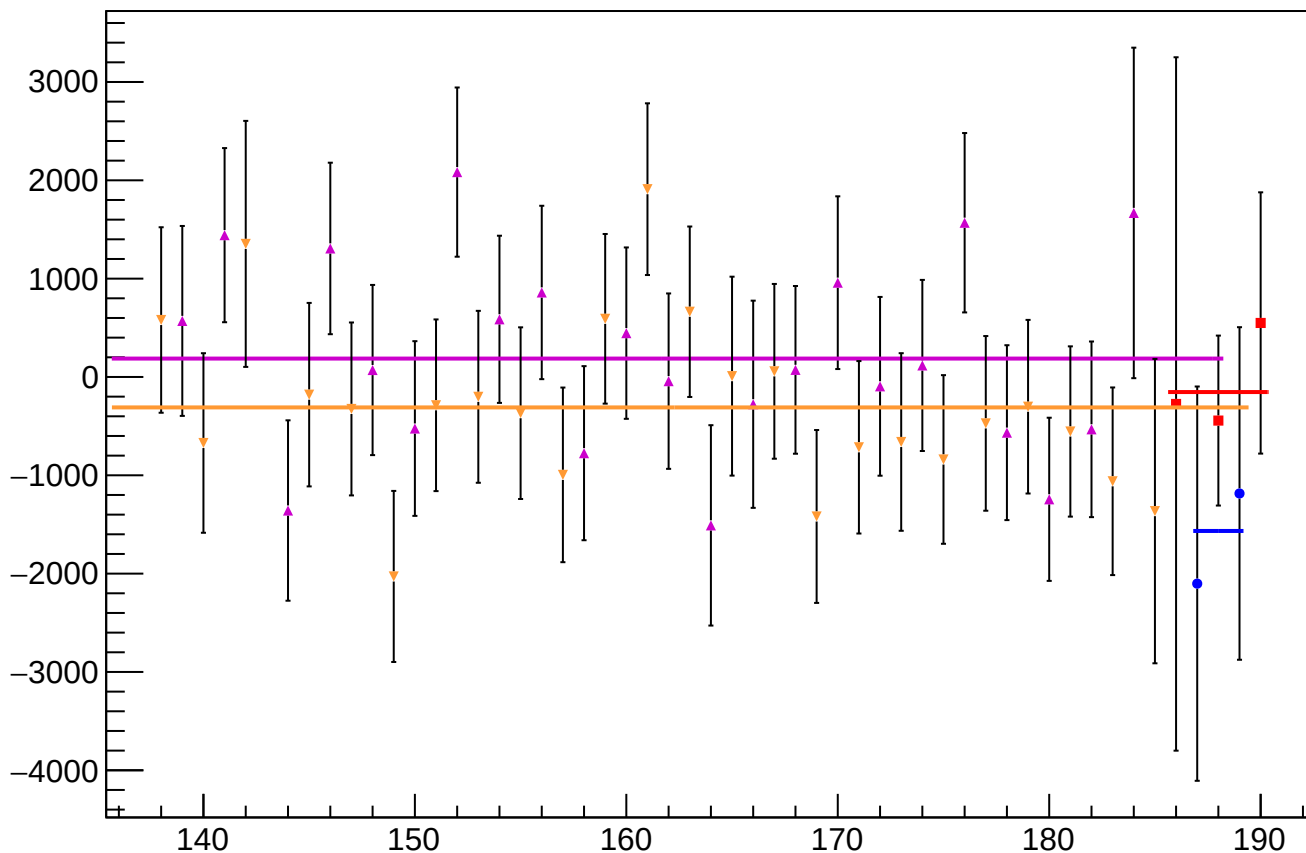
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

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

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

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

cor_asym_us_dd_mean vs Slug



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

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

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

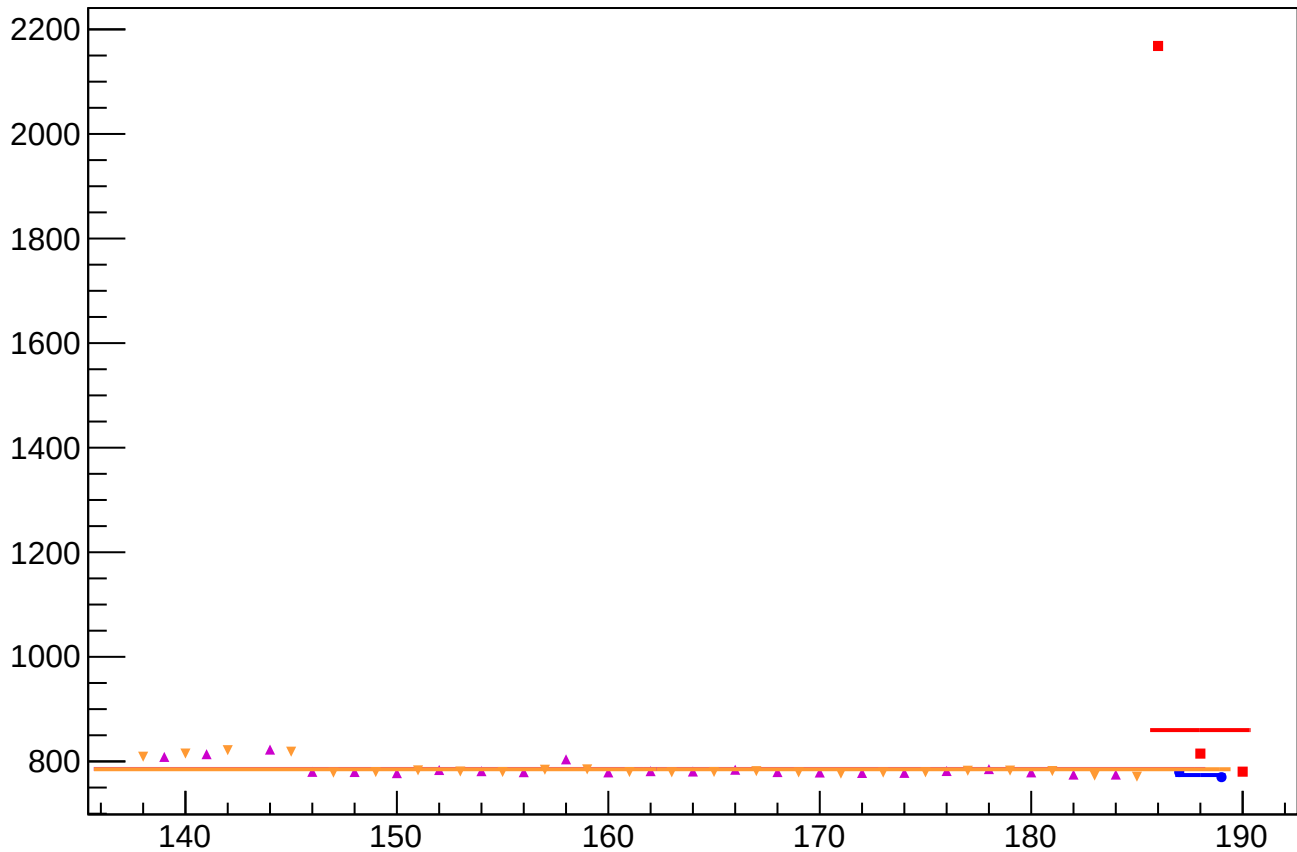
Left In: 187.105 $\pm$ 189.265 χ^2 /NDF: 25.6/22

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

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

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

cor_asym_us_dd_rms vs Slug



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

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

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

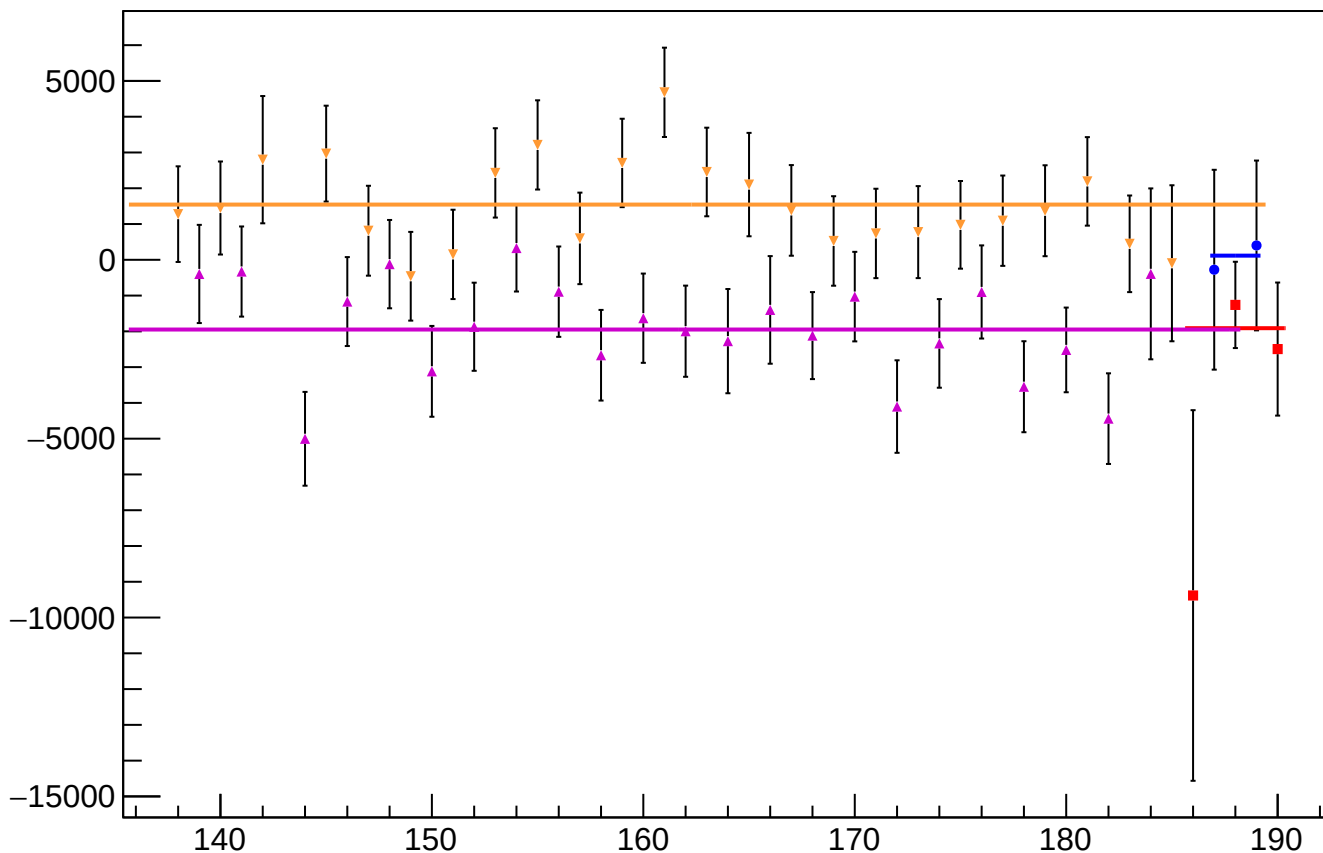
Left In: 785.562 ± 0.134 χ^2/NDF : 9033.0/22

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

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

- sign 790.499 ± 0.129 χ^2/NDF : 317471.3/25

cor_asym_usl_mean vs Slug



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

Left Out: 1543.729 ± 266.278 χ^2/NDF : 19.9/23

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

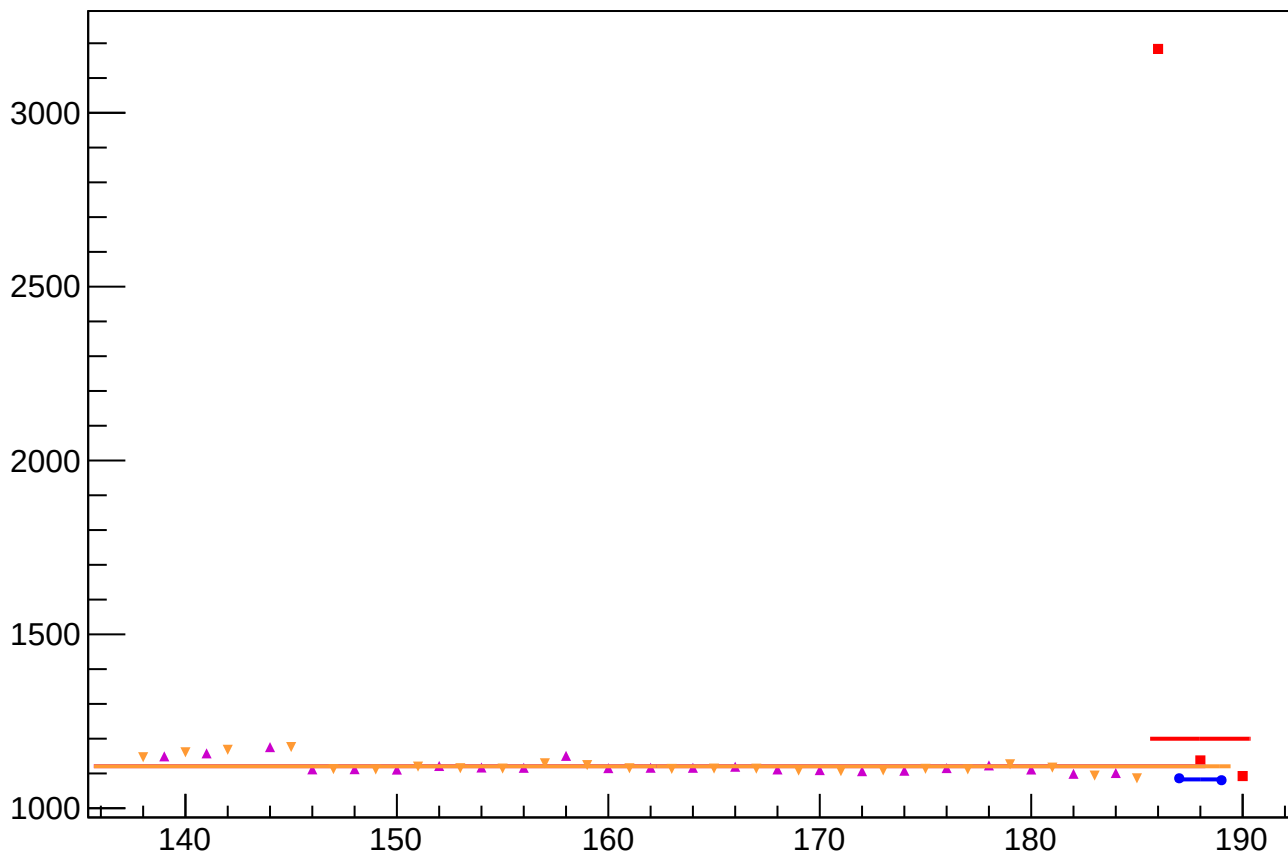
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

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

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

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

cor_asym_usl_rms vs Slug



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

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

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

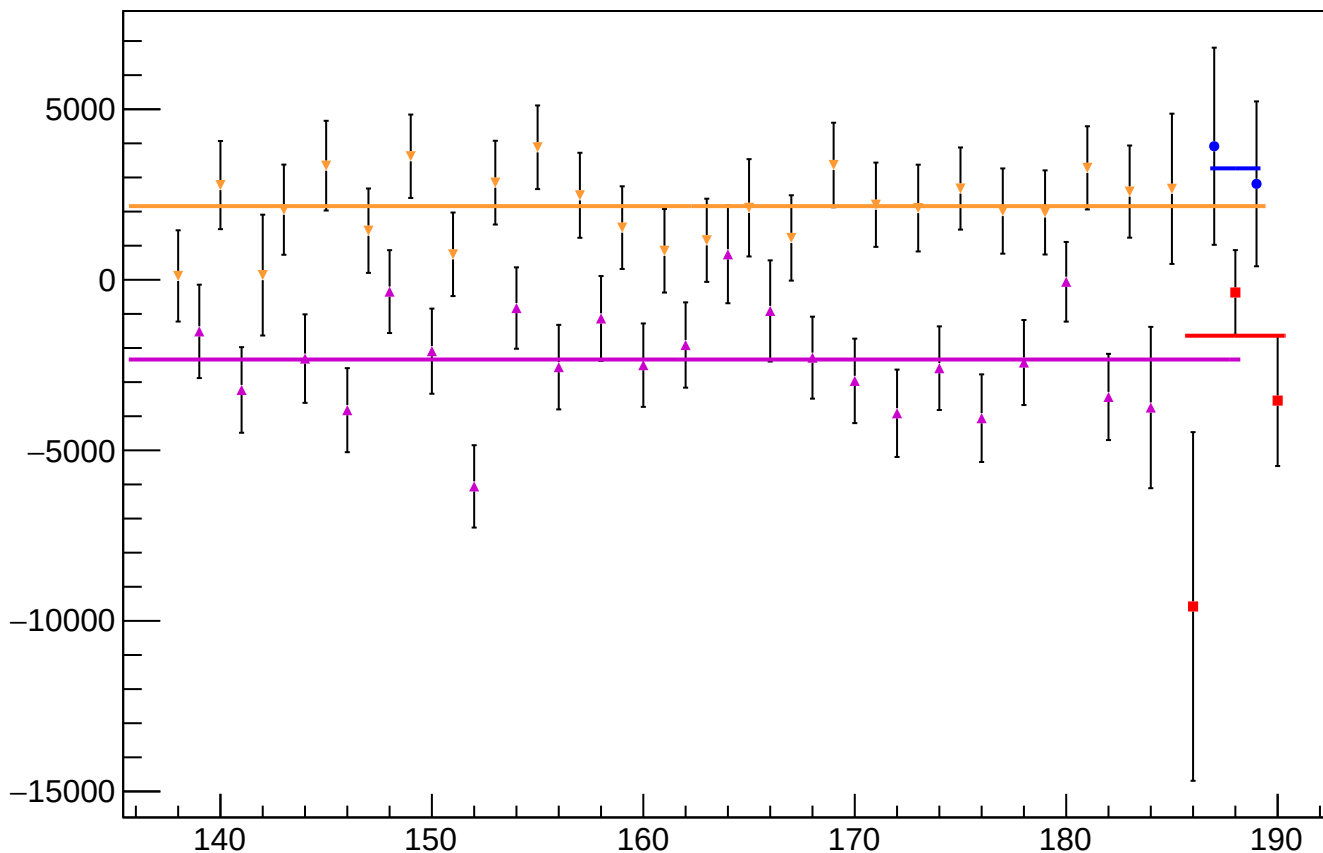
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

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

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

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

cor_asym_usr_mean vs Slug



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

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

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

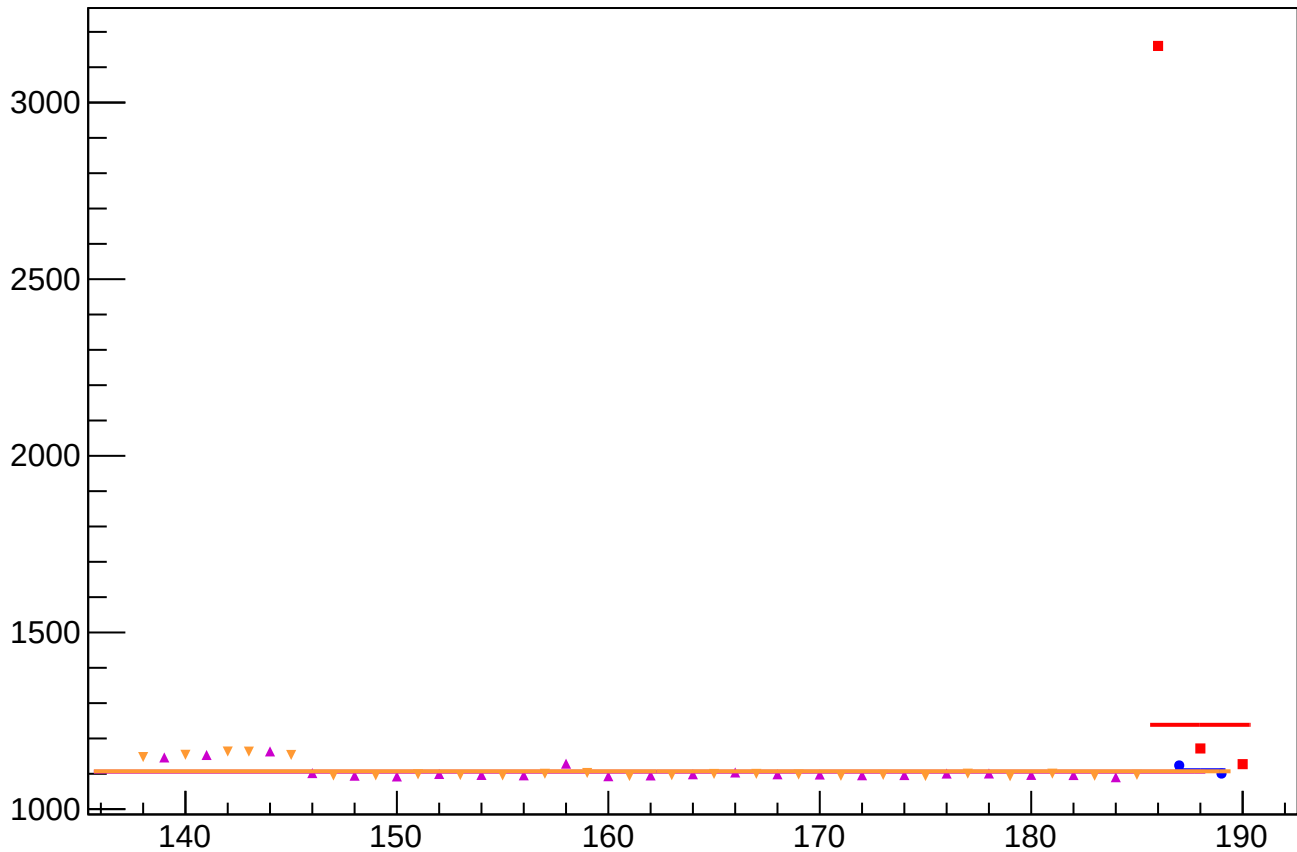
Left In: -2337.232 $\pm$ 266.468 χ^2/NDF :31.3/22

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

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

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

cor_asym_usr_rms vs Slug



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

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

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

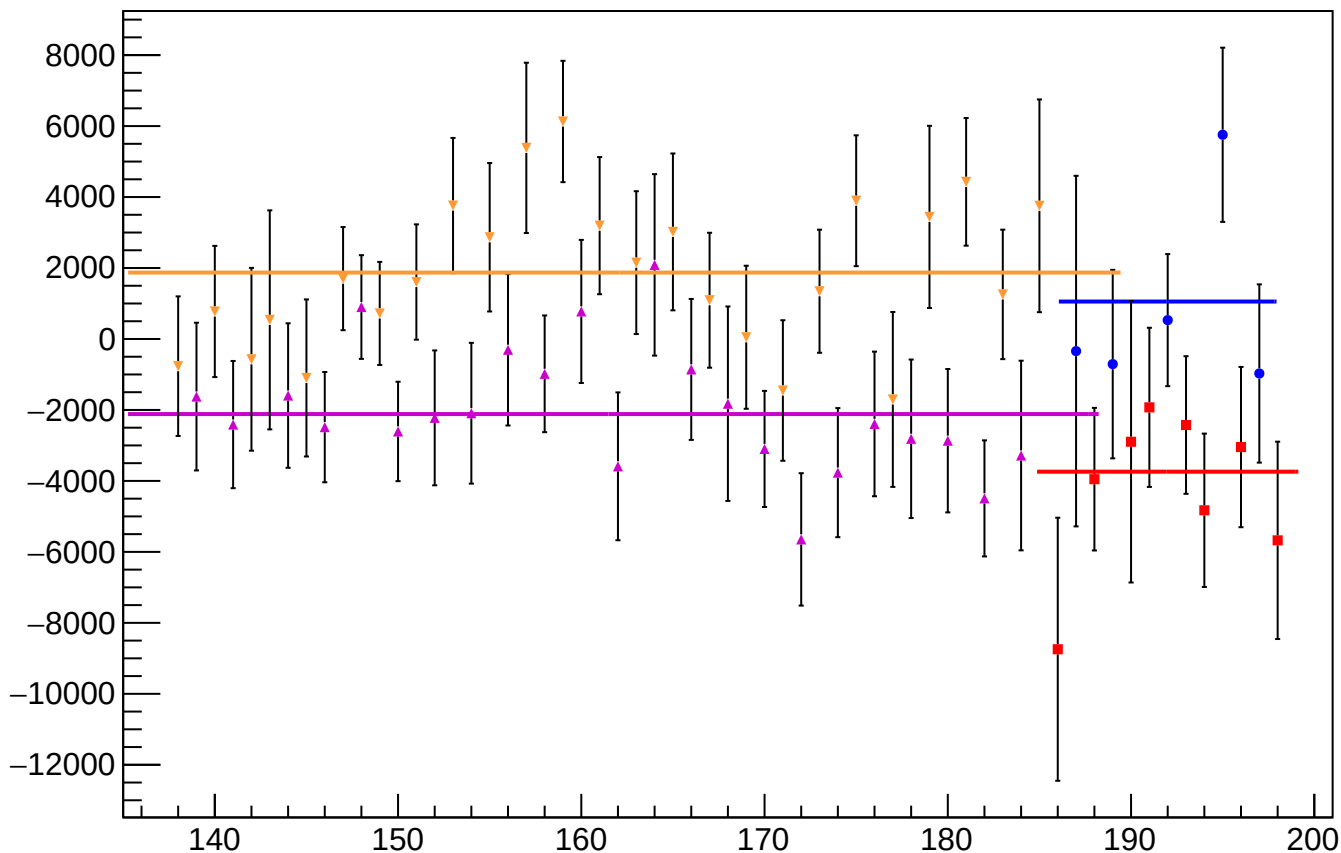
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

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

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

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

asym_us_agg_avg_mean vs Slug



Right In: 1055.260+/-1120.924 χ^2/NDF : 4.9/4

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

Right Out: -3739.565+/-848.675 χ^2/NDF : 3.8/7

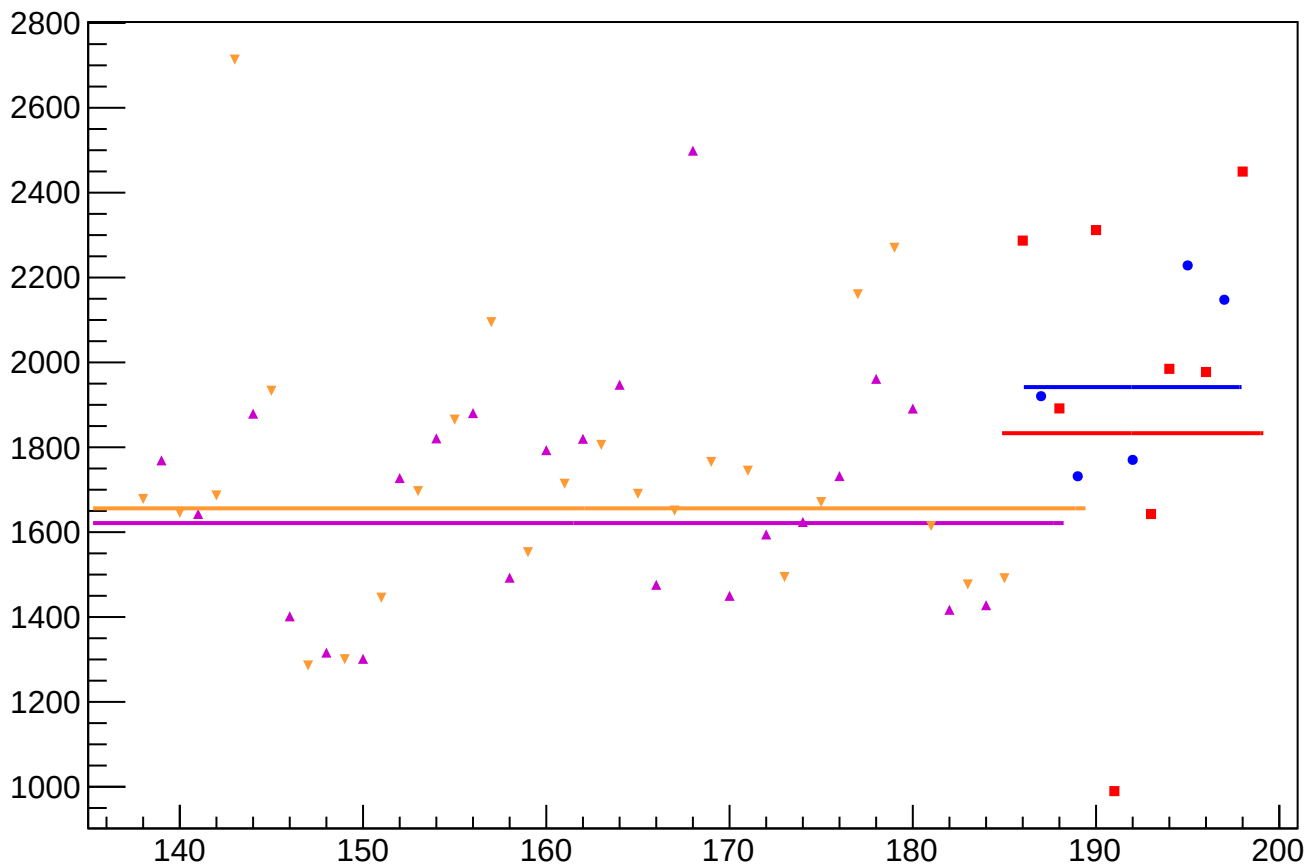
Left In: -2116.114+/-392.997 χ^2/NDF :18.8/22

+ sign 1782.804+/-369.760 χ^2/NDF : 31.5/29

All: -385.691+/-256.687 χ^2/NDF : 123.5/60

- sign -2402.769+/-356.617 χ^2/NDF : 25.6/30

asym_us_agg_avg_rms vs Slug



Right In: 1941.843+/-0.793 χ^2/NDF : 70247.6/4

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

Right Out: 1833.207+/-0.600 χ^2/NDF : 479386.0/7

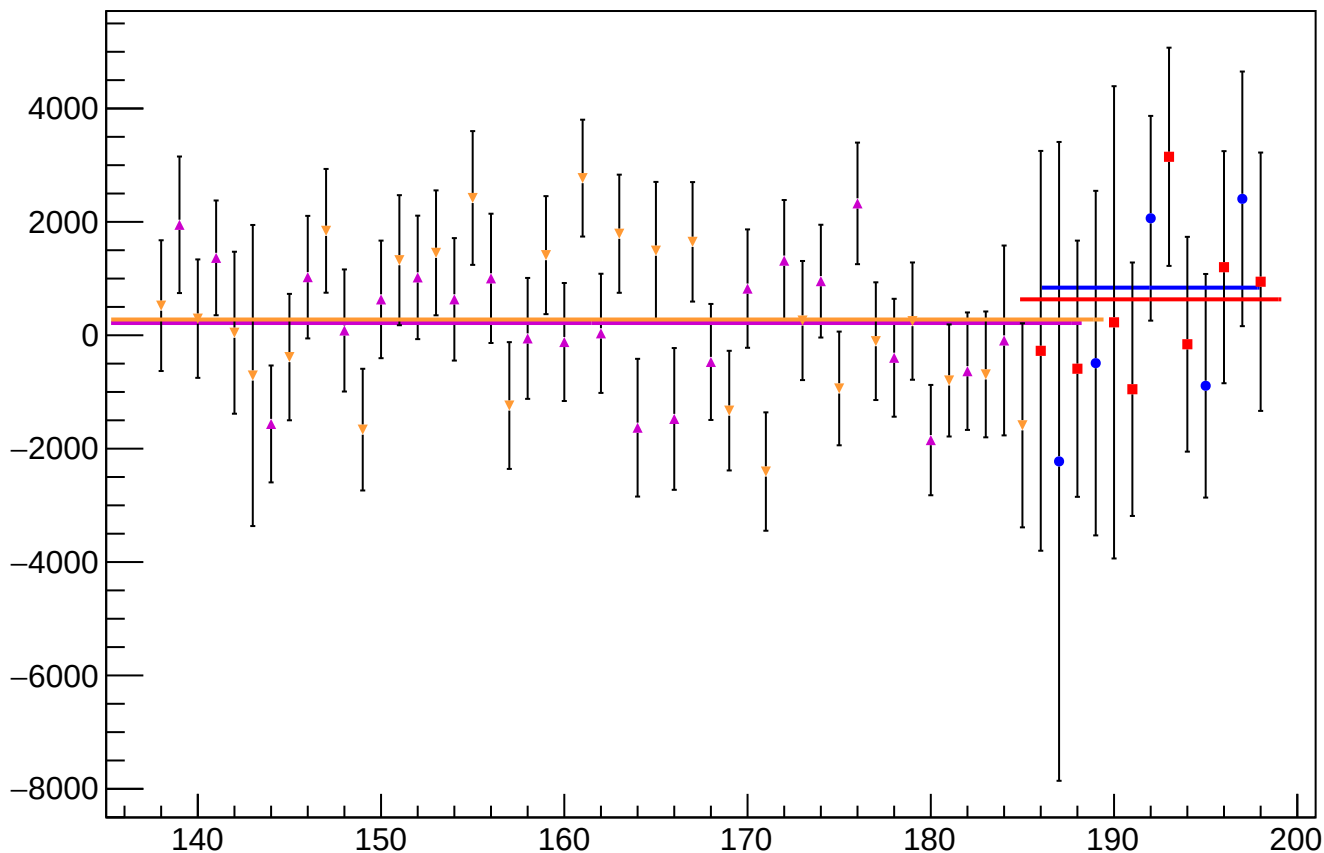
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1687.210+/-0.261 χ^2/NDF : 1096629.1/29

All: 1672.498+/-0.182 χ^2/NDF : 2459998.1/60

- sign 1658.813+/-0.252 χ^2/NDF : 1357257.5/30

asym_us_agg_dd_mean vs Slug



Right In: 840.112 $\pm$ 1052.912 χ^2 /NDF: 2.2/4

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

Right Out: 633.701 $\pm$ 812.709 χ^2 /NDF: 2.8/7

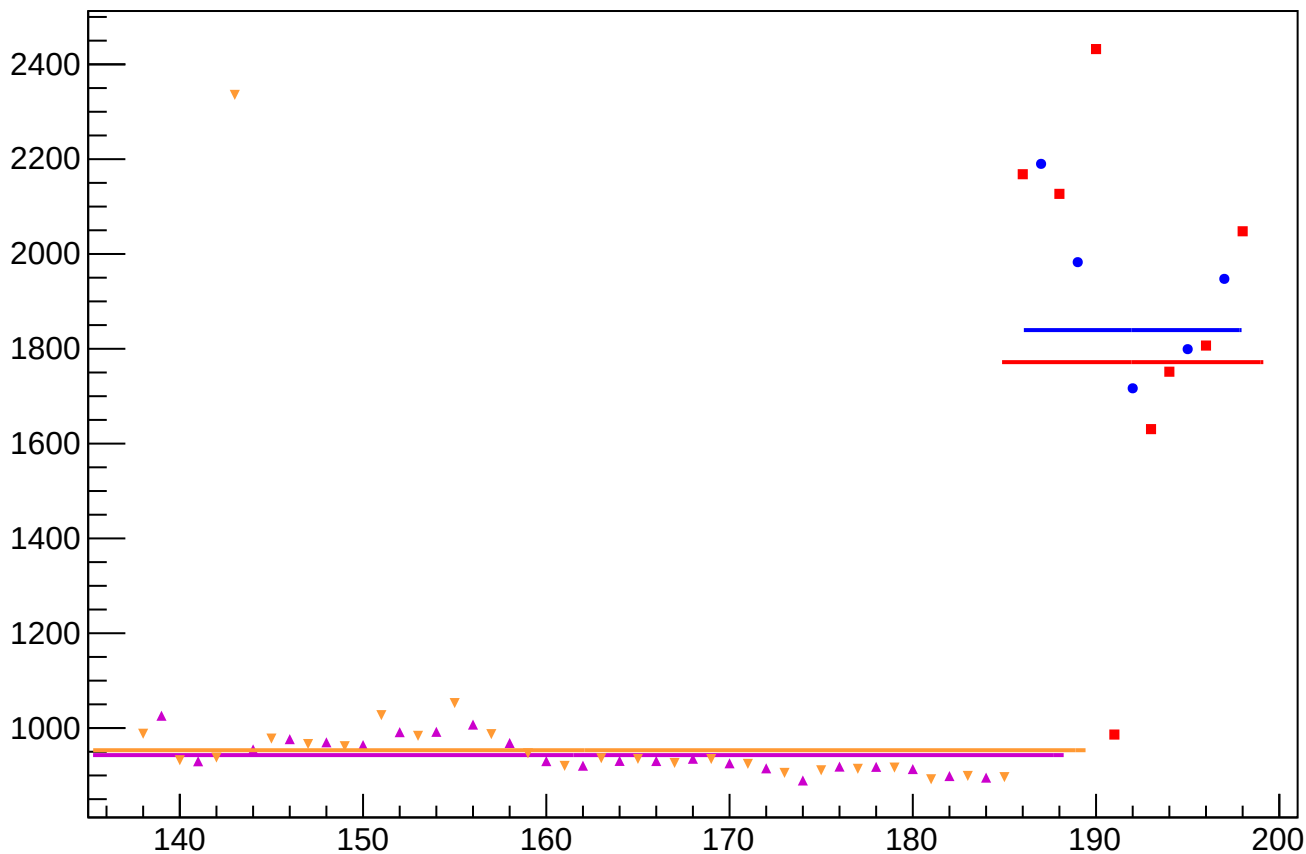
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 302.339 $\pm$ 218.704 χ^2 /NDF: 40.9/29

All: 273.996 $\pm$ 154.177 χ^2 /NDF: 68.4/60

- sign 245.996 $\pm$ 217.380 χ^2 /NDF: 27.5/30

asym_us_agg_dd_rms vs Slug



Right In: 1839.453+/-0.745 χ^2/NDF : 26907.5/4

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

Right Out: 1771.849+/-0.575 χ^2/NDF : 412884.1/7

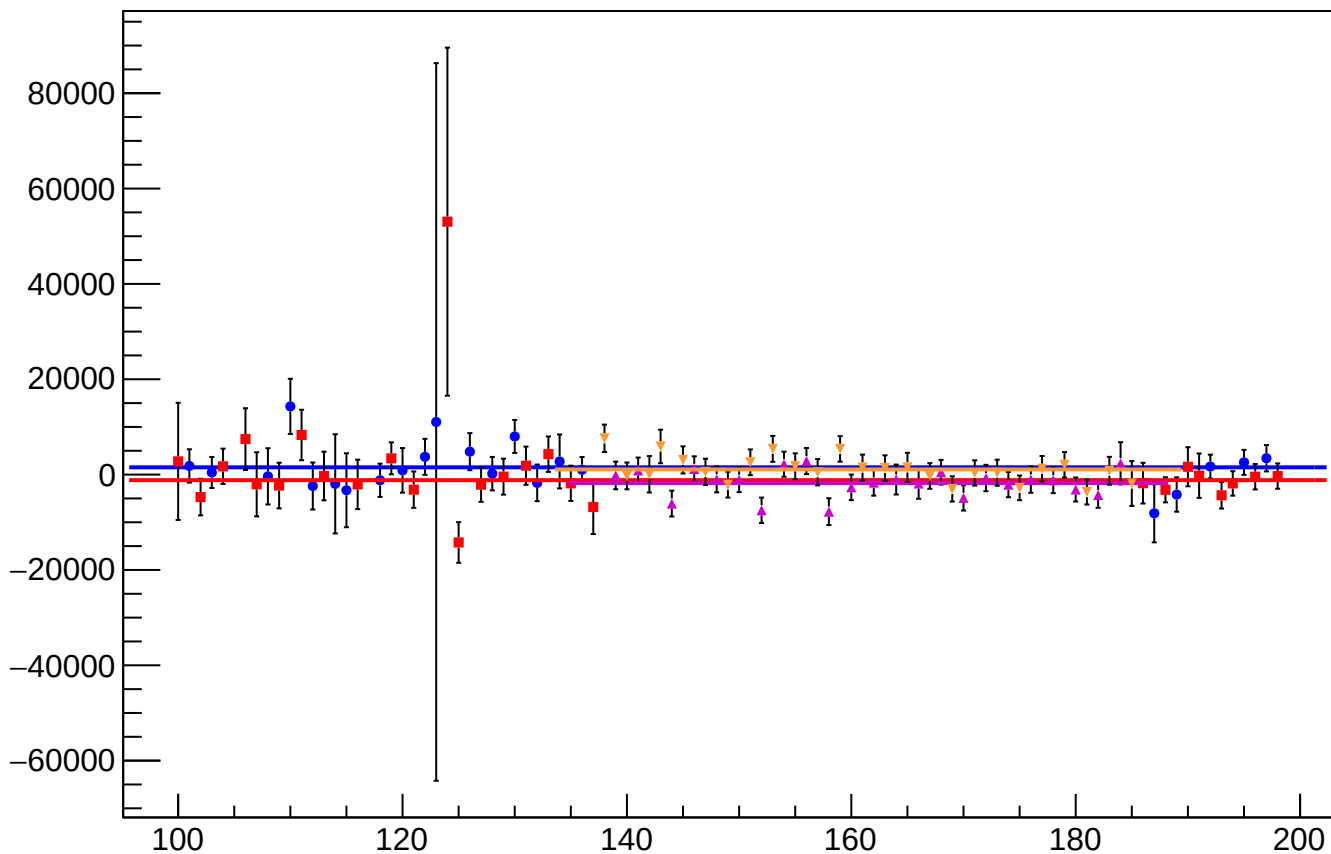
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 991.458+/-0.155 χ^2/NDF : 1988954.8/29

All: 996.877+/-0.109 χ^2/NDF : 4384421.9/60

- sign 1002.231+/-0.154 χ^2/NDF : 2393026.1/30

reg_asym_atl1_mean vs Slug



Right In: 1527.072 $\pm$ 813.493 χ^2 /NDF: 18.0/21

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

Right Out: -1167.821 $\pm$ 741.946 χ^2 /NDF: 27.0/26

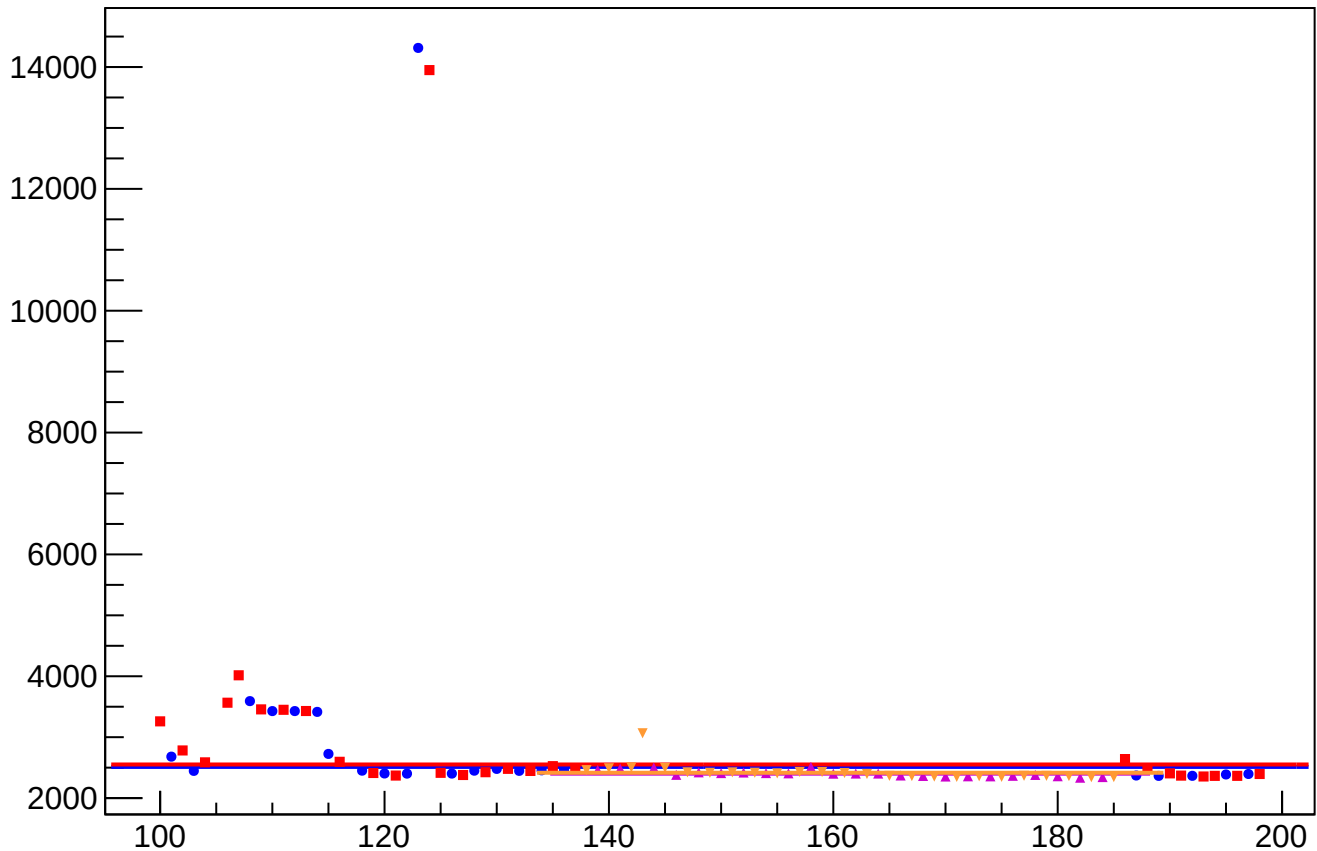
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1223.822 $\pm$ 463.502 χ^2 /NDF: 41.8/46

All: -187.967 $\pm$ 324.673 χ^2 /NDF: 111.5/96

- sign -1548.031 $\pm$ 454.933 χ^2 /NDF: 51.4/49

reg_asym_atl1_rms vs Slug



Right In: 2512.071+/-0.575 χ^2/NDF : 283886.3/21

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

Right Out: 2551.827+/-0.525 χ^2/NDF : 606152.8/26

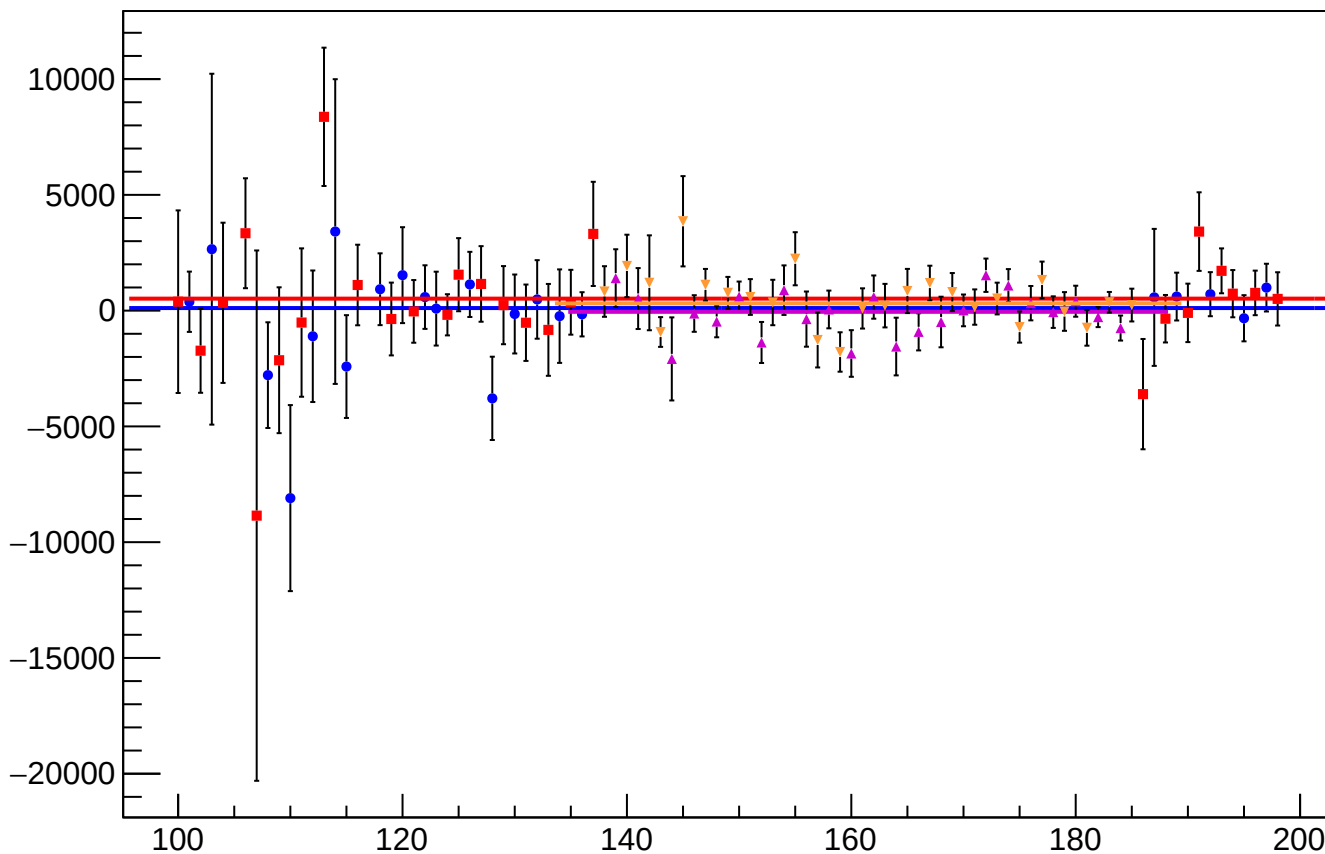
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2447.201+/-0.328 χ^2/NDF : 385353.1/46

All: 2452.685+/-0.230 χ^2/NDF : 1057091.4/96

- sign 2457.969+/-0.322 χ^2/NDF : 671188.6/49

asym_atl1_correction_mean vs Slug



Right In: 111.264 $\pm$ 320.511 χ^2 /NDF: 15.5/21

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

Right Out: 518.485 $\pm$ 289.771 χ^2 /NDF: 24.1/26

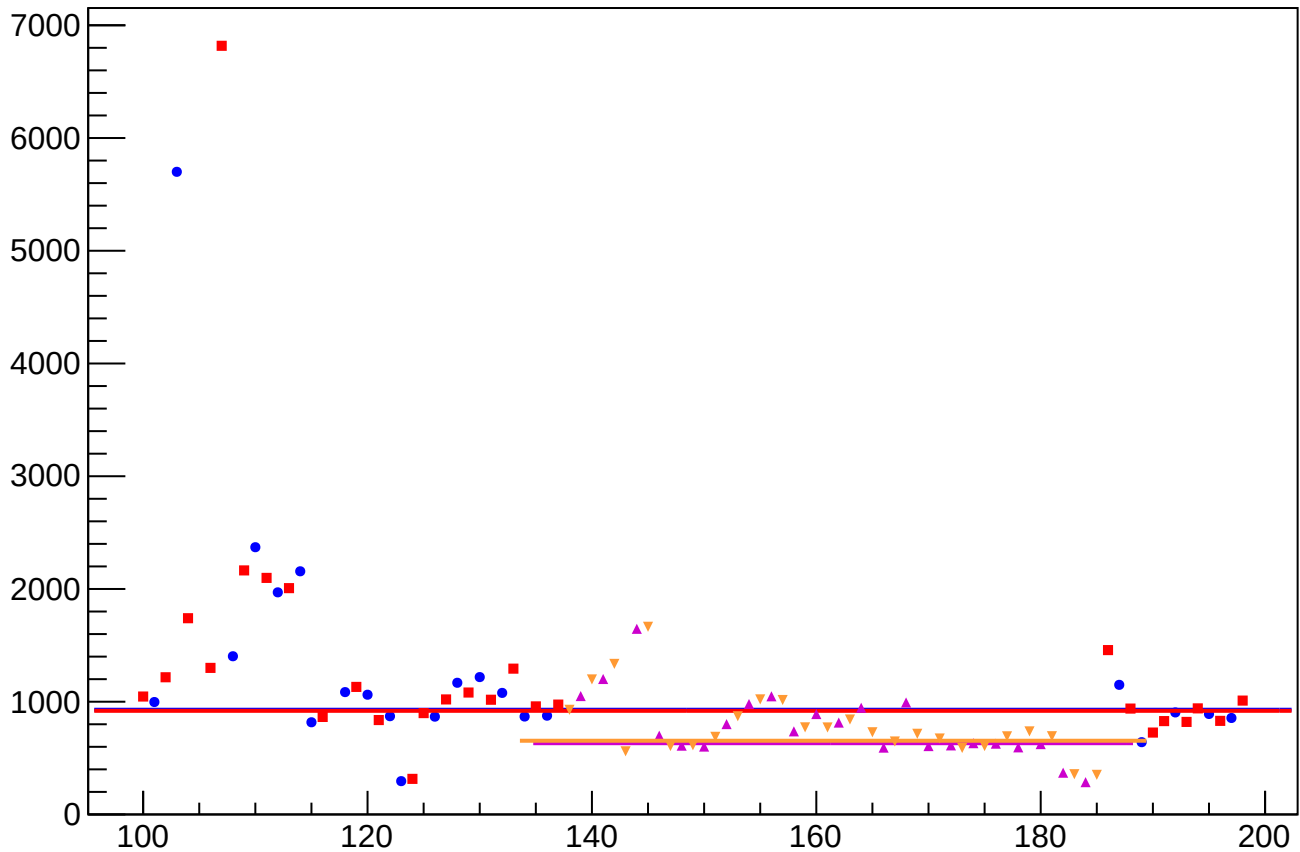
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF: 23.8/22

+ sign 270.794 $\pm$ 143.619 χ^2 /NDF: 45.6/46

All: 175.799 $\pm$ 100.700 χ^2 /NDF: 97.3/96

- sign 83.936 $\pm$ 141.232 χ^2 /NDF: 50.9/49

asym_atl1_correction_rms vs Slug



Right In: 928.851 ± 0.227 χ^2/NDF : 2134043.6/21

Left Out: 653.803 ± 0.114 χ^2/NDF : 3254694.4/24

Right Out: 919.278 ± 0.205 χ^2/NDF : 2880692.9/26

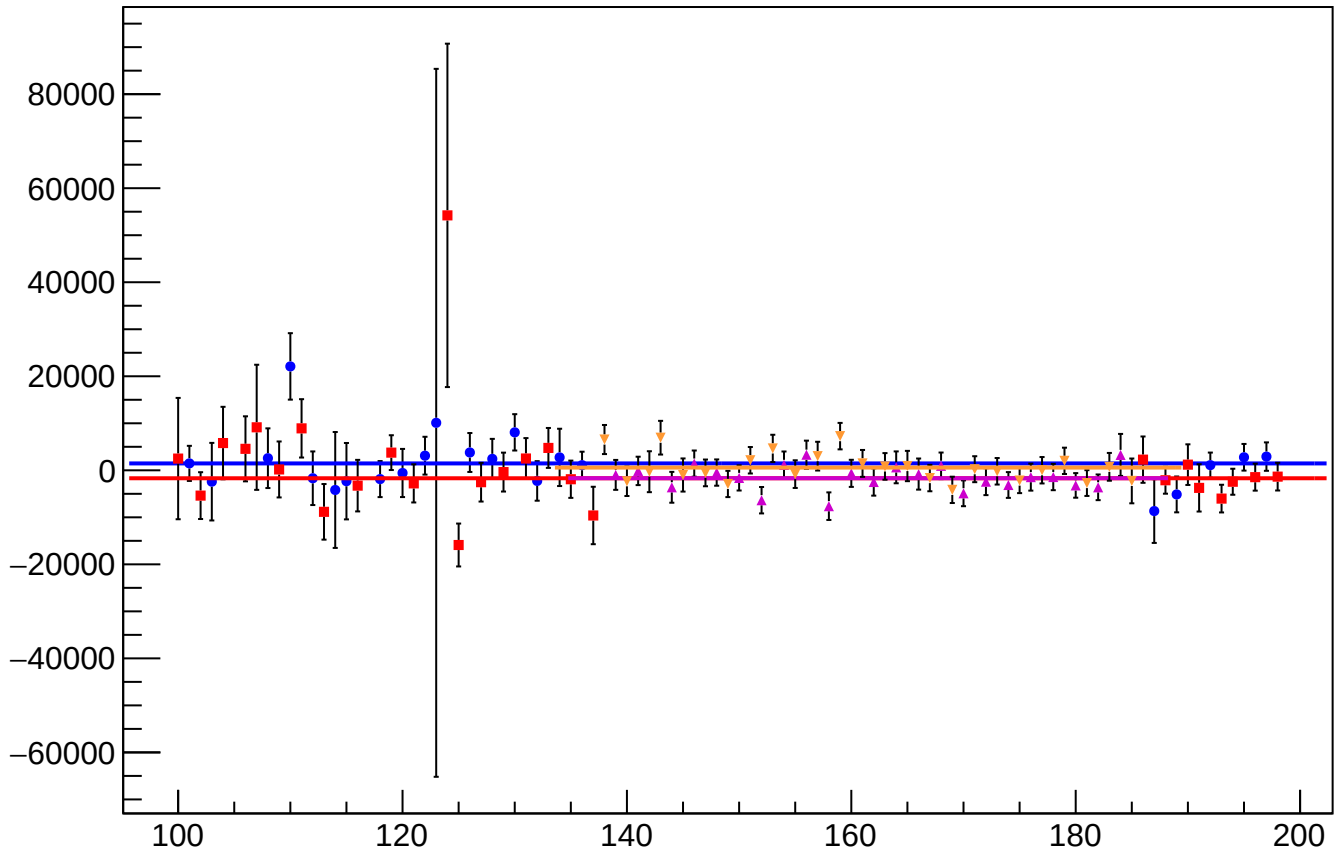
Left In: 632.053 ± 0.114 χ^2/NDF : 3942853.4/22

+ sign 709.029 ± 0.102 χ^2/NDF : 6565867.7/46

All: 704.583 ± 0.071 χ^2/NDF : 14891399.4/96

- sign 700.283 ± 0.100 χ^2/NDF : 8321761.3/49

asym_atl1_mean vs Slug



Right In: 1463.449 $\pm$ 911.586 χ^2 /NDF: 20.4/21

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

Right Out: -1693.008 $\pm$ 832.085 χ^2 /NDF: 30.5/26

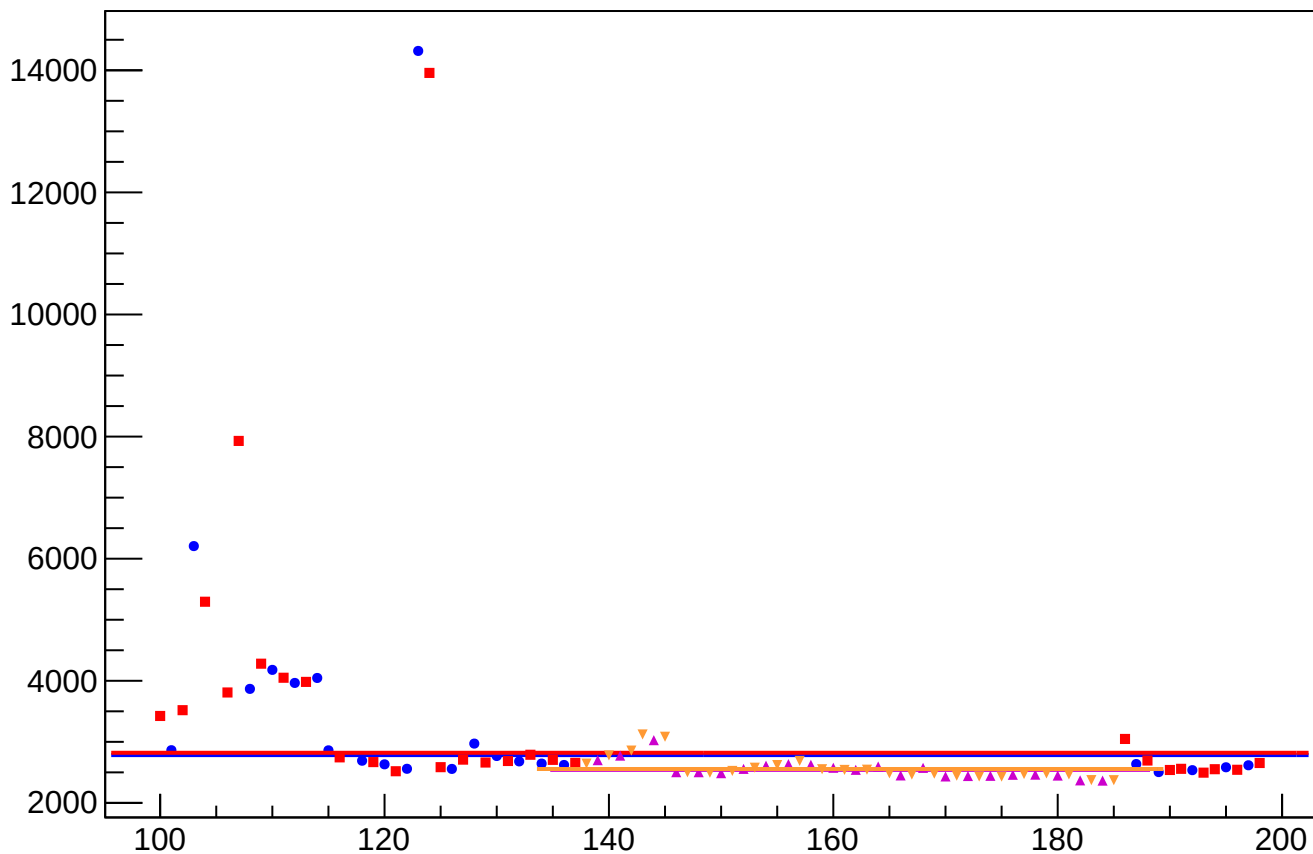
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 845.899 $\pm$ 499.530 χ^2 /NDF: 46.4/46

All: -438.348 $\pm$ 350.536 χ^2 /NDF: 108.1/96

- sign -1684.270 $\pm$ 492.020 χ^2 /NDF: 48.7/49

asym_atl1_rms vs Slug



Right In: 2782.762+/-0.645 χ^2/NDF : 708275.5/21

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

Right Out: 2820.965+/-0.588 χ^2/NDF : 1168004.5/26

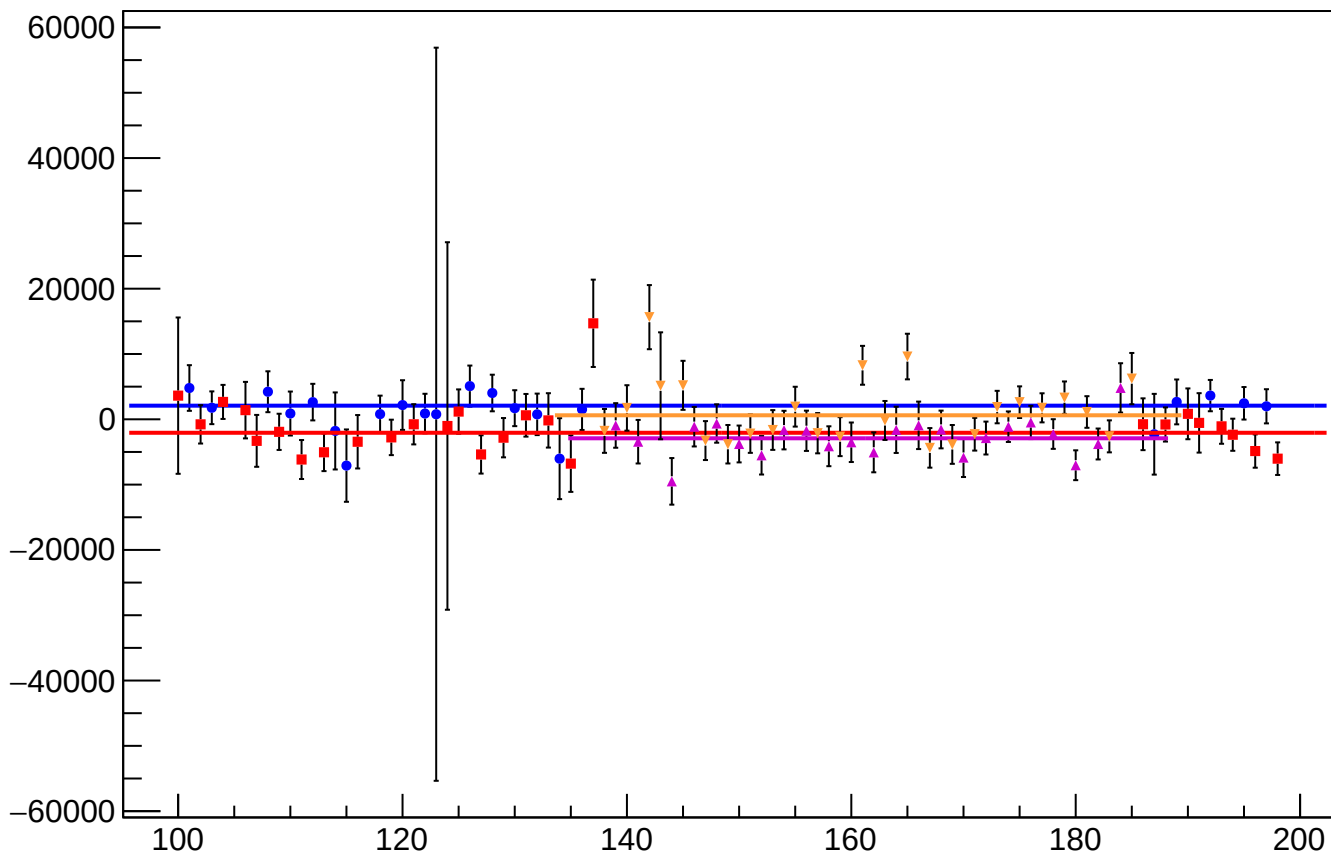
Left In: 2540.988+/-0.431 χ^2/NDF :94756.7/22

+ sign 2623.588+/-0.353 χ^2/NDF : 950166.4/46

All: 2631.350+/-0.248 χ^2/NDF : 2361140.2/96

- sign 2638.881+/-0.348 χ^2/NDF : 1410022.3/49

reg_asym_atl2_mean vs Slug



Right In: 2087.685 $\pm$ 689.548 χ^2 /NDF: 9.1/21

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

Right Out: -2062.707 $\pm$ 627.803 χ^2 /NDF: 23.3/26

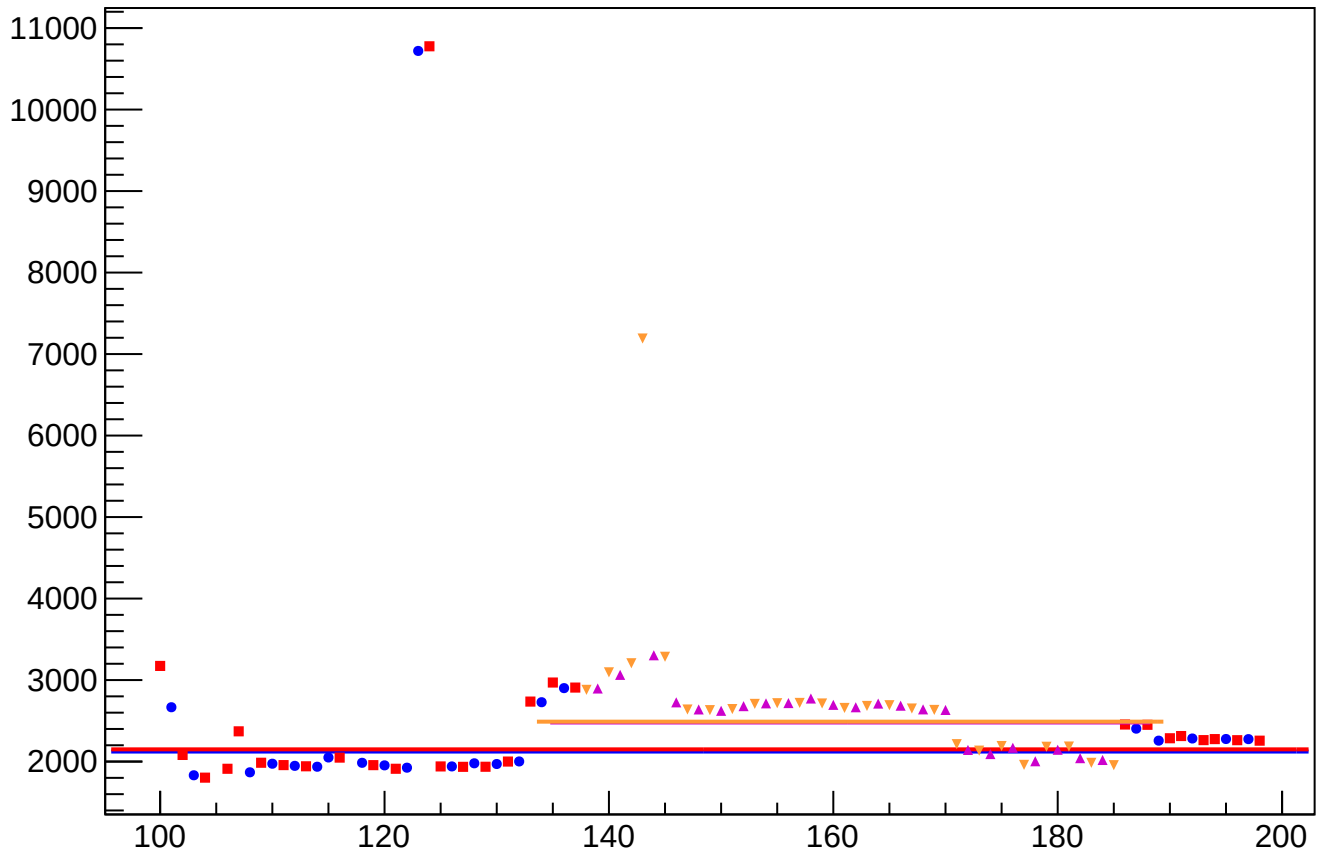
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF: 17.4/22

+ sign 1238.778 $\pm$ 448.799 χ^2 /NDF: 56.9/46

All: -697.570 $\pm$ 311.850 χ^2 /NDF: 134.5/96

- sign -2505.294 $\pm$ 433.637 χ^2 /NDF: 41.6/49

reg_asym_atl2_rms vs Slug



Right In: 2122.779+/-0.488 χ^2/NDF : 359811.9/21

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

Right Out: 2149.800+/-0.444 χ^2/NDF : 530274.4/26

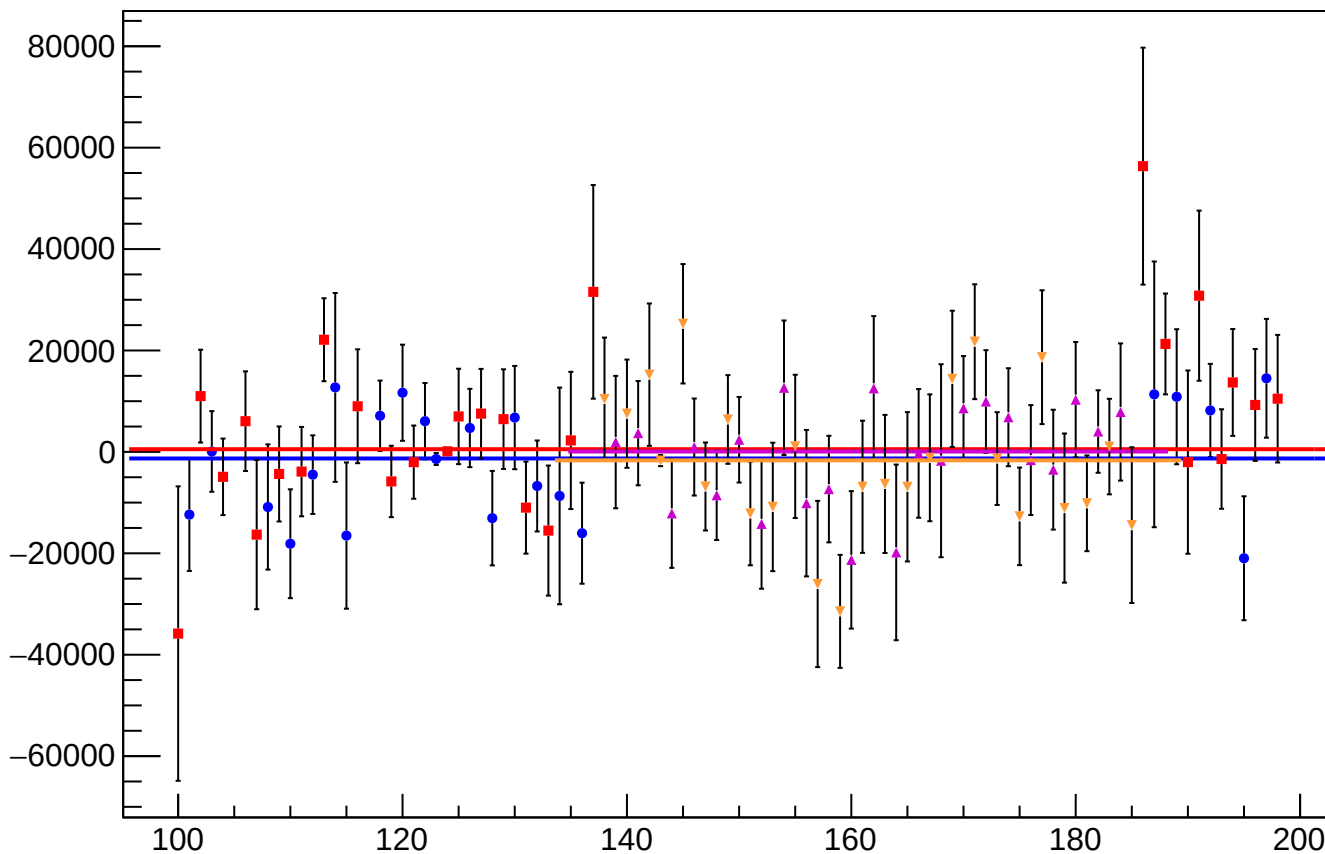
Left In: 2479.348+/-0.424 χ^2/NDF : 668398.2/22

+ sign 2334.195+/-0.317 χ^2/NDF : 2050200.9/46

All: 2327.951+/-0.221 χ^2/NDF : 3537790.3/96

- sign 2322.122+/-0.307 χ^2/NDF : 1486840.9/49

asym_atl2_correction_mean vs Slug



Right In: -1296.580 $\pm$ 1035.851 χ^2 /NDF: 22.3/21

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

Right Out: 531.876 $\pm$ 686.678 χ^2 /NDF: 37.4/26

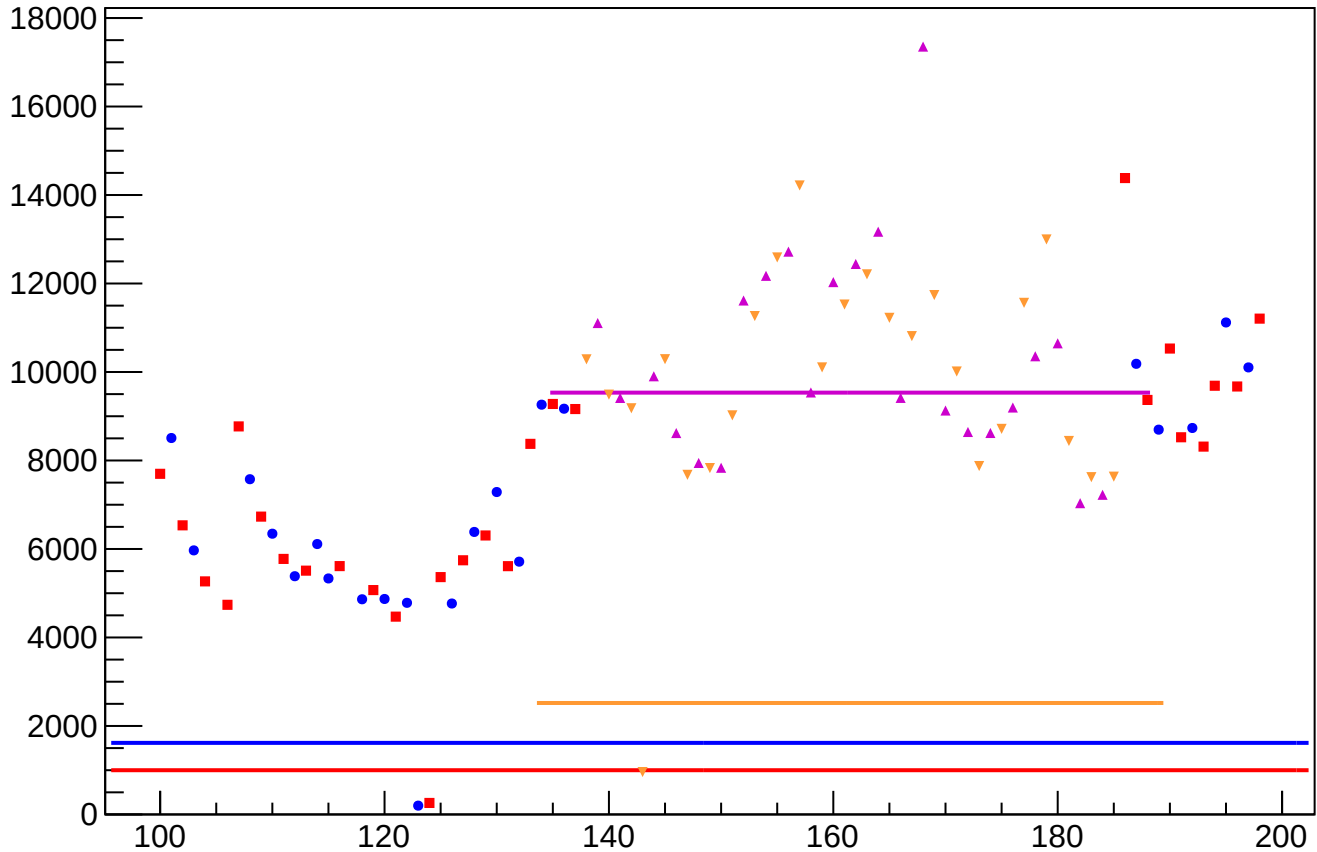
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1488.774 $\pm$ 716.850 χ^2 /NDF: 54.7/46

All: -412.730 $\pm$ 485.029 χ^2 /NDF: 110.1/96

- sign 495.830 $\pm$ 658.703 χ^2 /NDF: 51.2/49

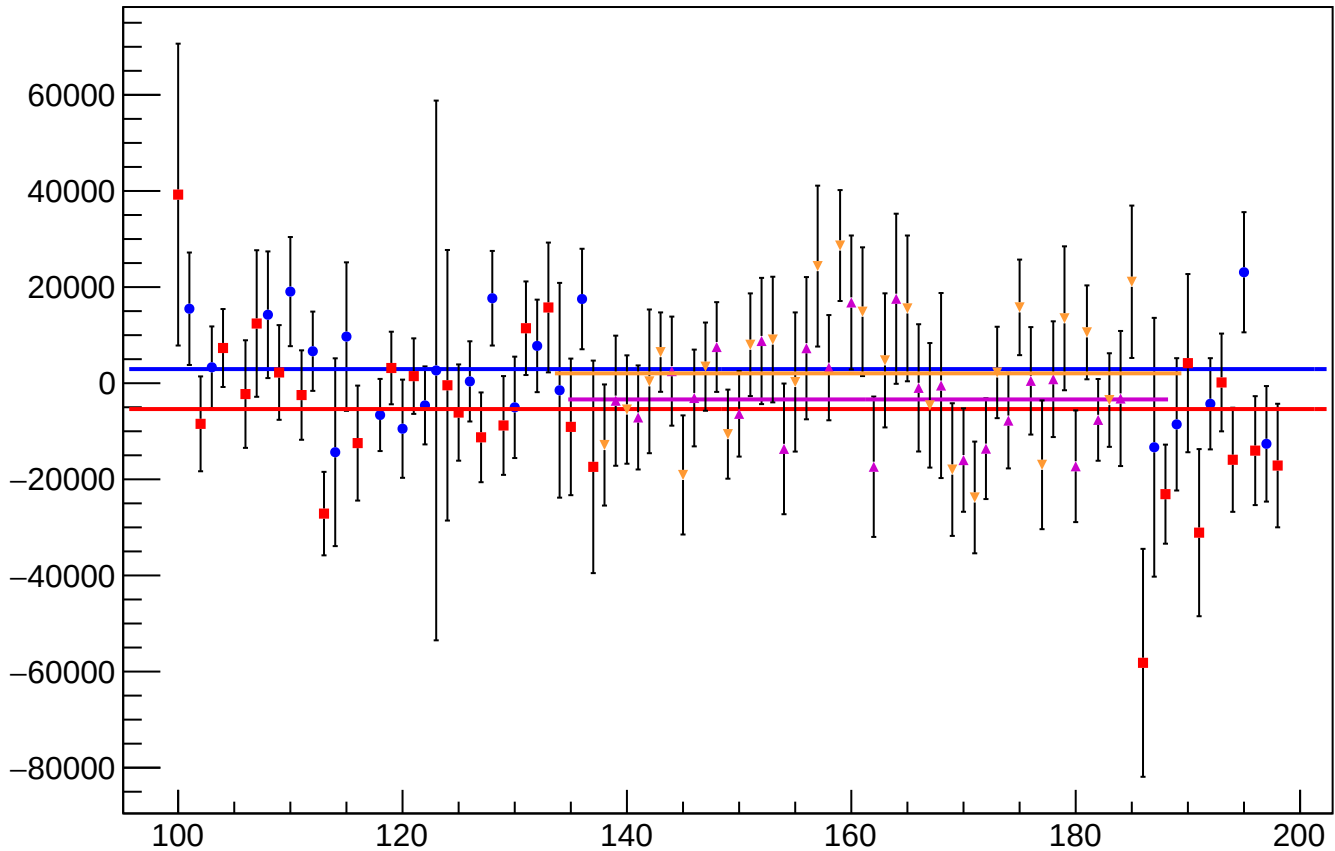
asym_atl2_correction_rms vs Slug



Right In: 1617.864 $\pm$ 0.732 χ^2 /NDF: 14420741.9/21
 Left Out: 2519.359 $\pm$ 0.702 χ^2 /NDF: 23642118.3/24
 Right Out: 999.854 $\pm$ 0.486 χ^2 /NDF: 19662990.0/26
 Left In: 9533.563 $\pm$ 1.649 χ^2 /NDF: 1316640.0/22

+ sign 2087.616 $\pm$ 0.507 χ^2 /NDF: 38852206.0/46
 All: 1867.146 $\pm$ 0.343 χ^2 /NDF: 84835309.0/50
 - sign 1680.992 $\pm$ 0.466 χ^2 /NDF: 45634191.3/49

asym_atl2_mean vs Slug



Right In: 2939.755 $\pm$ 2320.594 χ^2 /NDF: 20.1/21

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

Right Out: -5377.061 $\pm$ 2135.839 χ^2 /NDF: 34.7/26

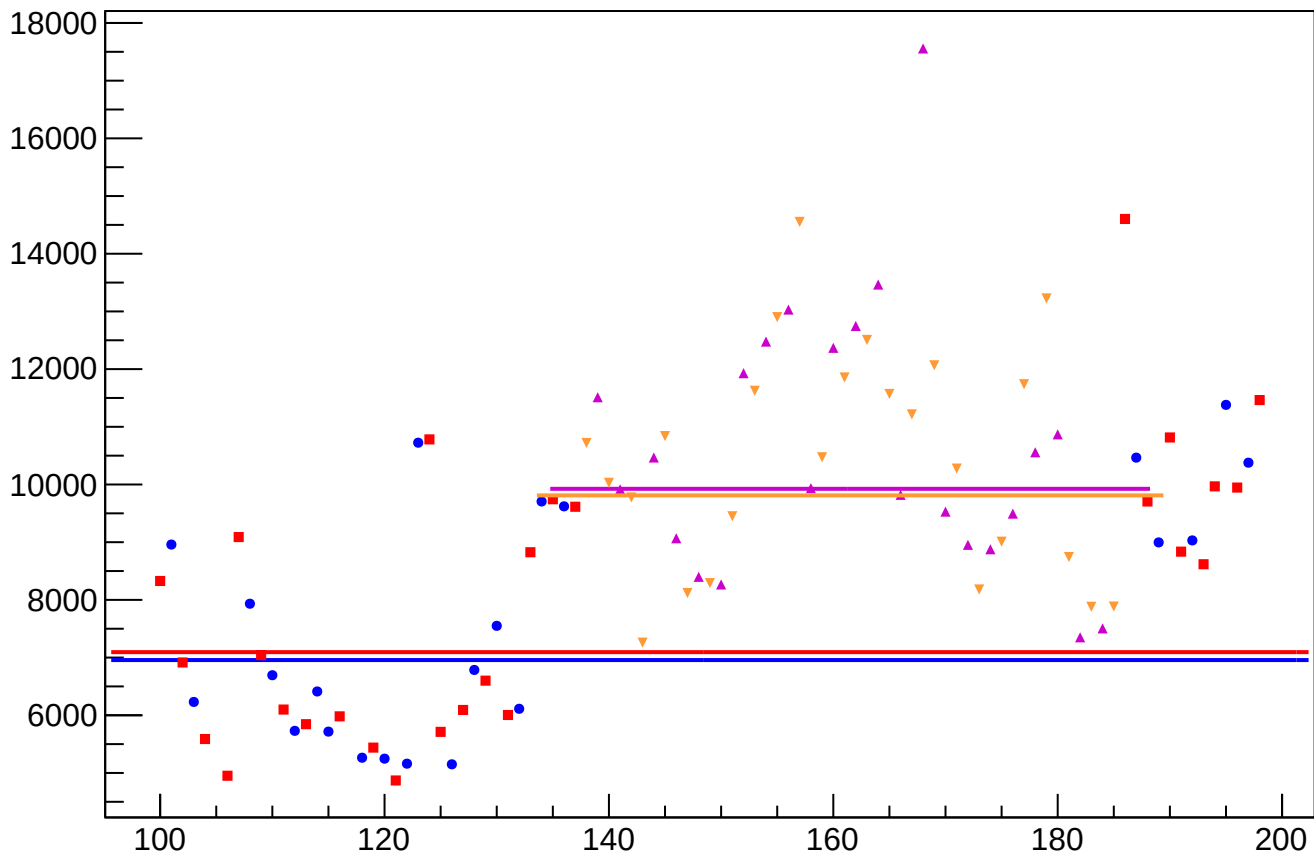
Left In: -3371.931 $\pm$ 2423.242 χ^2 /NDF:13.1/22

+ sign 2500.302 $\pm$ 1645.450 χ^2 /NDF: 50.9/46

All: -1093.060 $\pm$ 1147.946 χ^2 /NDF: 108.4/96

- sign -4500.399 $\pm$ 1602.292 χ^2 /NDF: 48.2/49

asym_atl2_rms vs Slug



Right In: 6956.809+/-1.641 χ^2/NDF : 1270494.8/21

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

Right Out: 7094.219+/-1.510 χ^2/NDF : 1744567.7/26

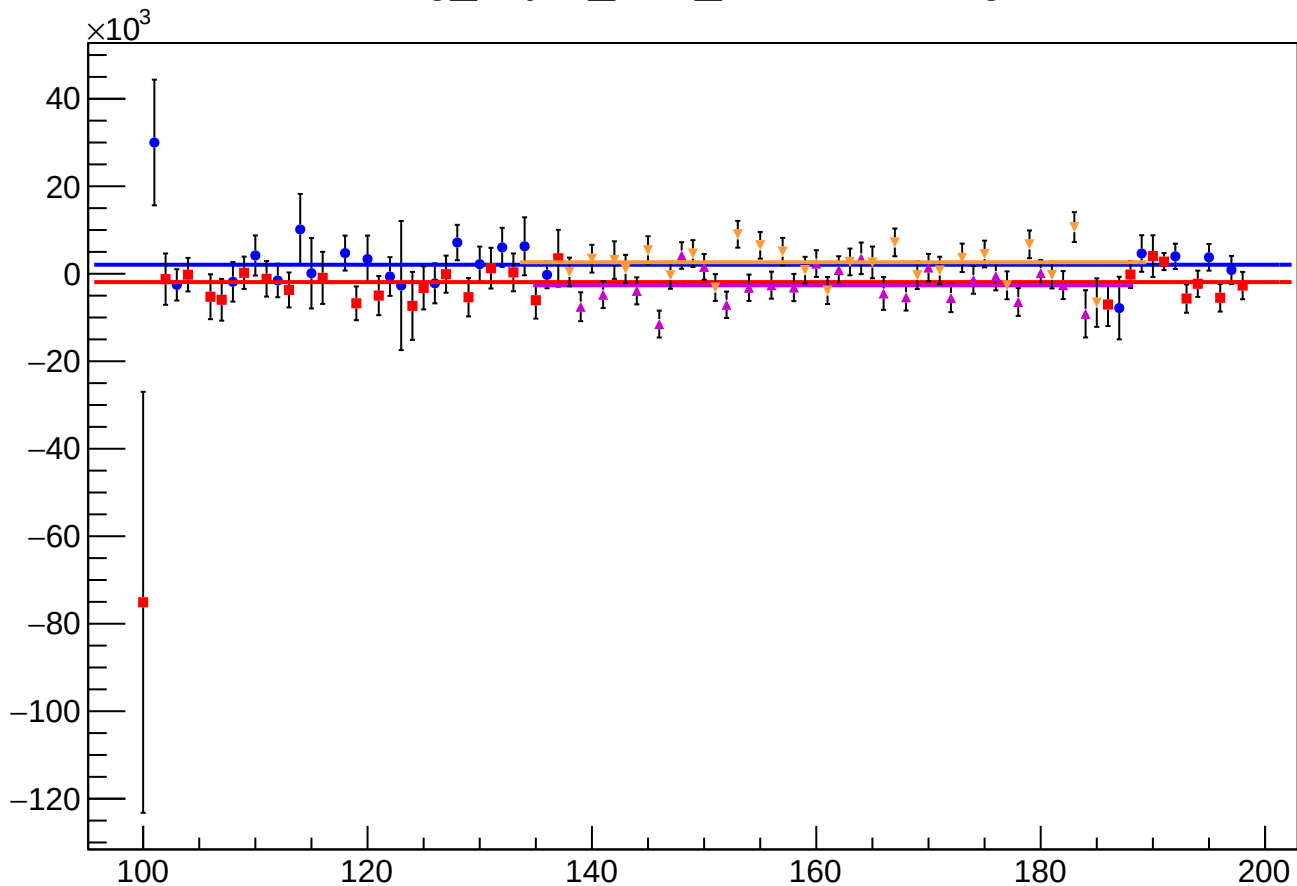
Left In: 9925.337+/-1.713 χ^2/NDF : 1211554.7/22

+ sign 8376.014+/-1.164 χ^2/NDF : 3988752.6/46

All: 8353.402+/-0.812 χ^2/NDF : 8482039.4/96

- sign 8331.962+/-1.133 χ^2/NDF : 4492551.0/49

reg_asym_atr1_mean vs Slug



Right In: 2063.854 $\pm$ 920.117 χ^2 /NDF: 16.7/21

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

Right Out: -1906.940 $\pm$ 760.416 χ^2 /NDF: 21.5/26

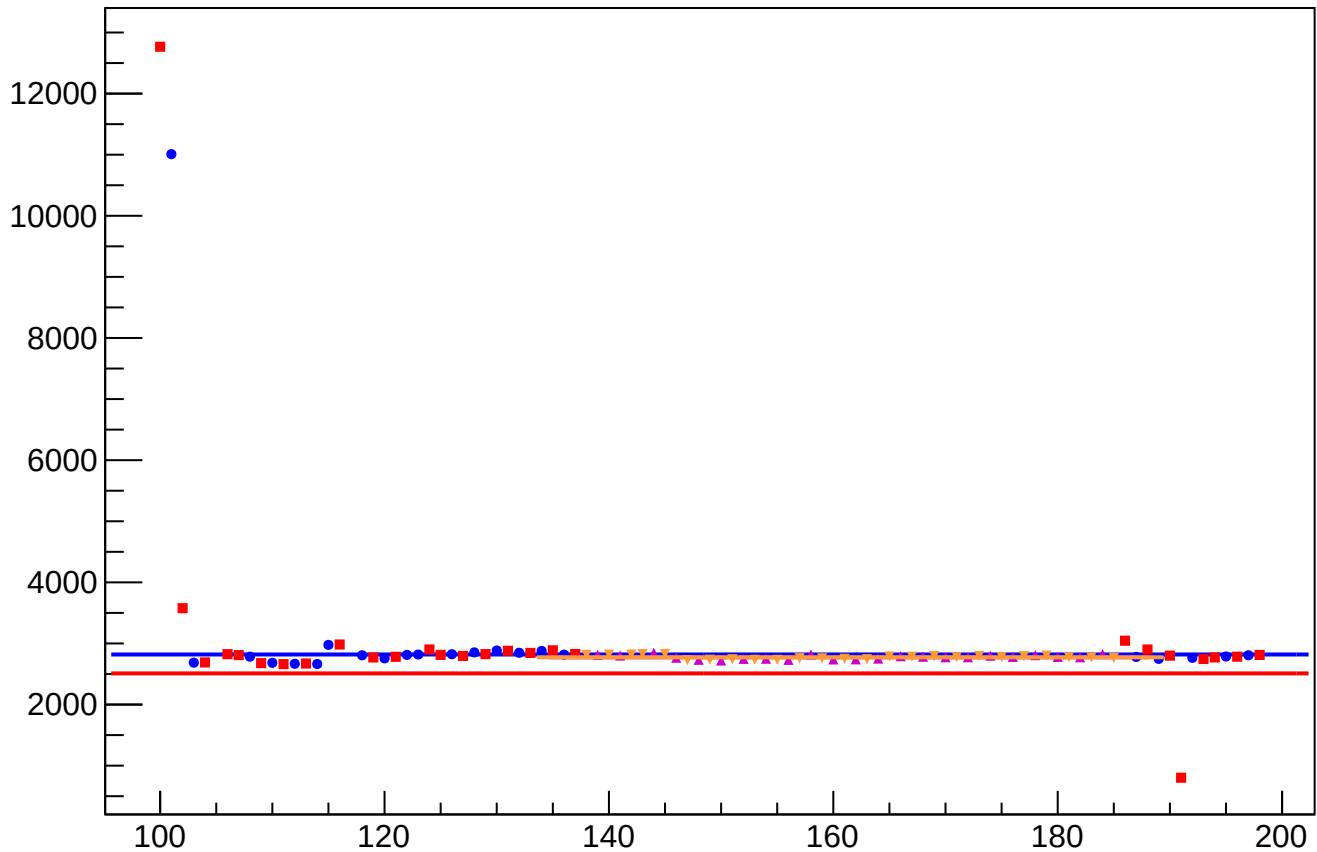
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF:35.2/22

+ sign 2446.934 $\pm$ 528.772 χ^2 /NDF: 52.0/46

All: -68.784 $\pm$ 363.452 χ^2 /NDF: 152.2/96

- sign -2321.765 $\pm$ 500.399 χ^2 /NDF: 57.3/49

reg_asym_atr1_rms vs Slug



Right In: 2819.536 $\pm$ 0.651 χ^2 /NDF: 662448.5/21

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

Right Out: 2510.015 $\pm$ 0.538 χ^2 /NDF: 1953530.6/26

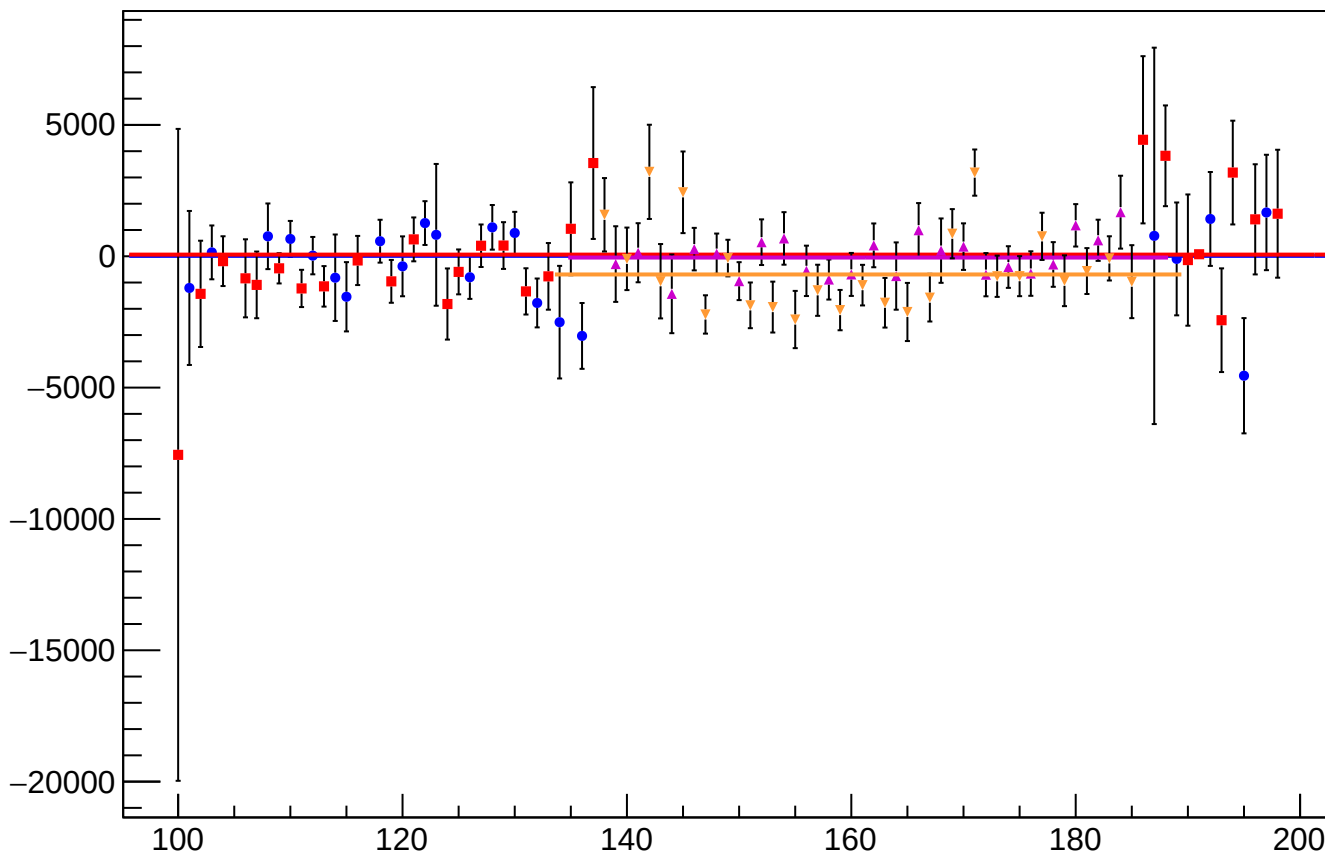
Left In: 2774.036 $\pm$ 0.470 χ^2 /NDF: 4985.3/22

+ sign 2788.847 $\pm$ 0.374 χ^2 /NDF: 670387.1/46

All: 2720.718 $\pm$ 0.257 χ^2 /NDF: 2828534.5/96

- sign 2659.704 $\pm$ 0.354 χ^2 /NDF: 2095211.9/49

asym_atr1_correction_mean vs Slug



Right In: 15.380 ± 235.863 χ^2/NDF : 26.3/21

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

Right Out: 62.897 ± 37.901 χ^2/NDF : 29.2/26

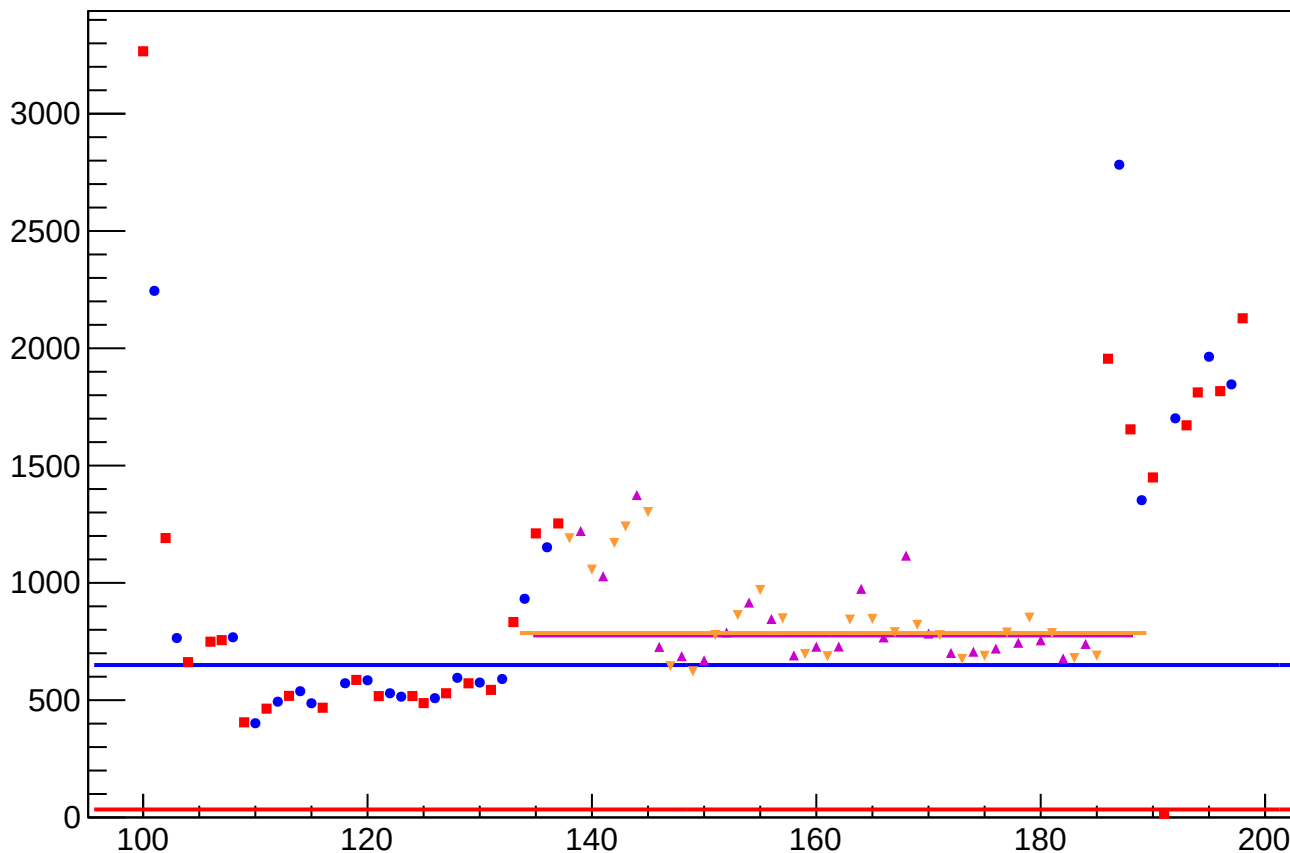
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -418.935 ± 146.676 χ^2/NDF : 87.8/46

All: 29.767 ± 36.024 χ^2/NDF : 141.0/96

- sign 58.570 ± 37.162 χ^2/NDF : 43.2/49

asym_atr1_correction_rms vs Slug



Right In: 649.752 $\pm$ 0.167 χ^2 /NDF: 3946679.9/21

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

Right Out: 34.045 $\pm$ 0.027 χ^2 /NDF: 21382842.9/26

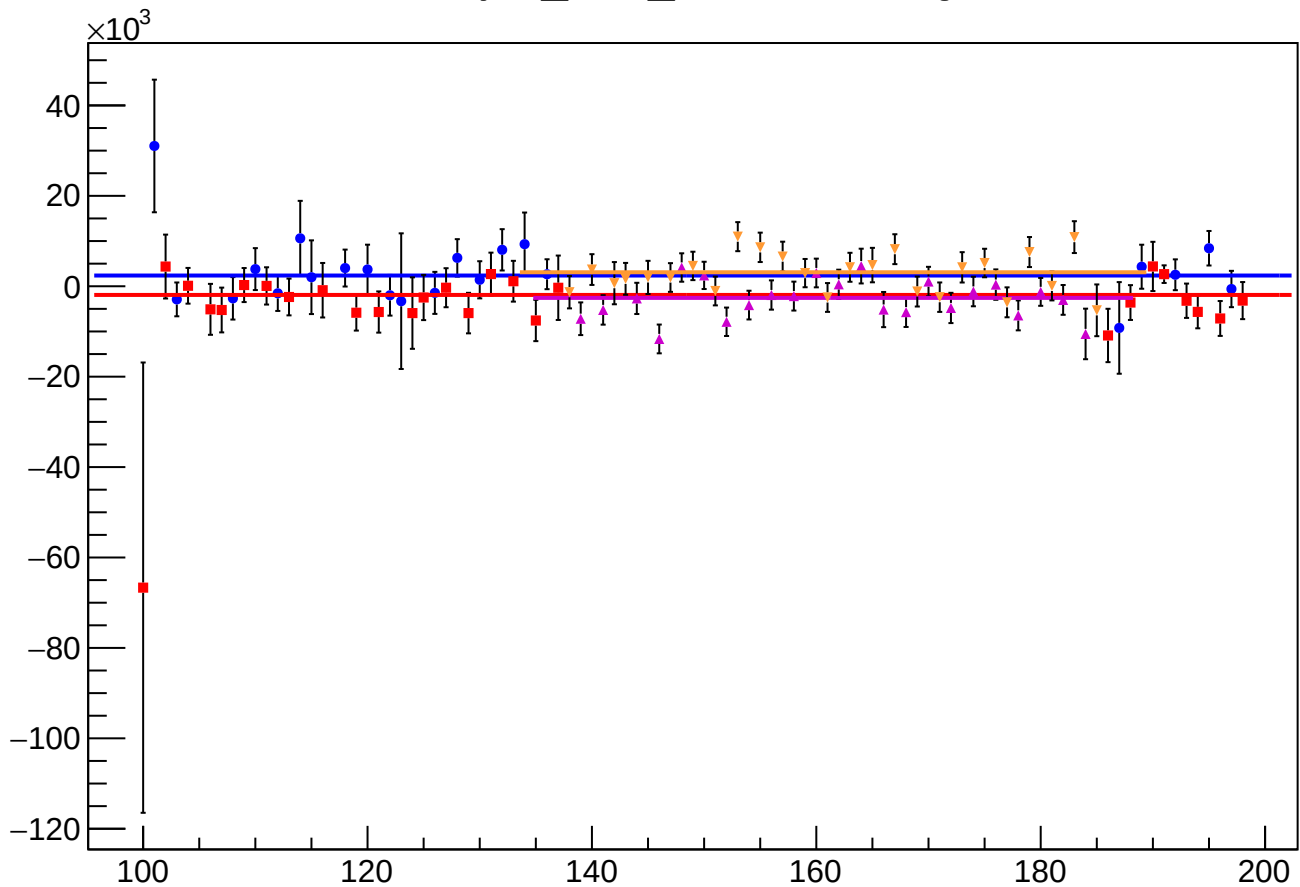
Left In: 775.930 $\pm$ 0.134 χ^2 /NDF:1056766.5/22

+ sign 733.416 $\pm$ 0.104 χ^2 /NDF: 5606546.3/46

All: 103.130 $\pm$ 0.025 χ^2 /NDF: 96915194.5/96

- sign 62.670 $\pm$ 0.026 χ^2 /NDF: 52007429.7/49

asym_atr1_mean vs Slug



Right In: 2373.120 $\pm$ 998.846 χ^2 /NDF: 19.1/21

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

Right Out: -1919.259 $\pm$ 824.161 χ^2 /NDF: 22.5/26

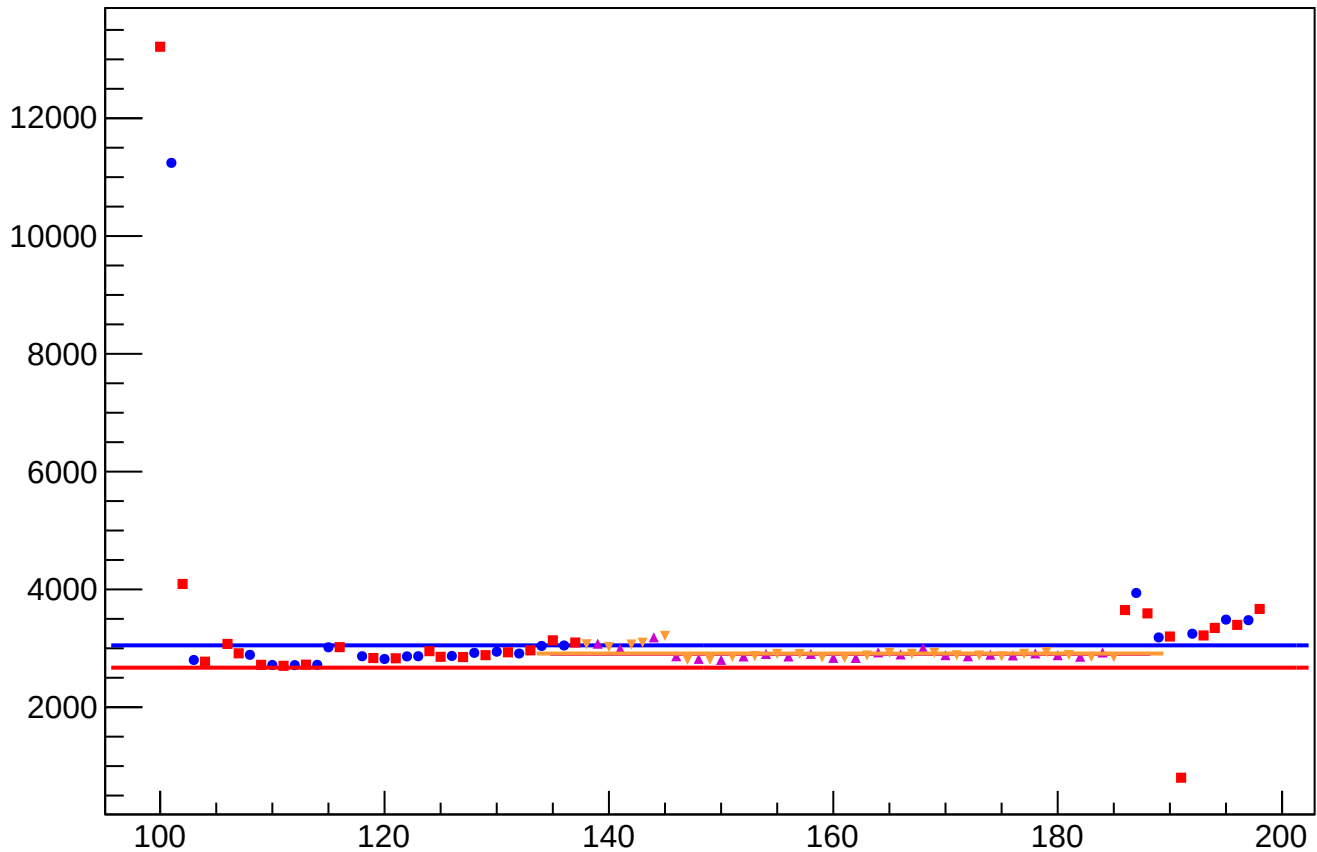
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2866.952 $\pm$ 561.262 χ^2 /NDF: 58.1/46

All: 143.071 $\pm$ 385.981 χ^2 /NDF: 161.3/96

- sign -2301.057 $\pm$ 531.660 χ^2 /NDF: 58.6/49

asym_atr1_rms vs Slug



Right In: 3050.162+/-0.706 χ^2/NDF : 755578.1/21

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

Right Out: 2671.349+/-0.583 χ^2/NDF : 2582915.1/26

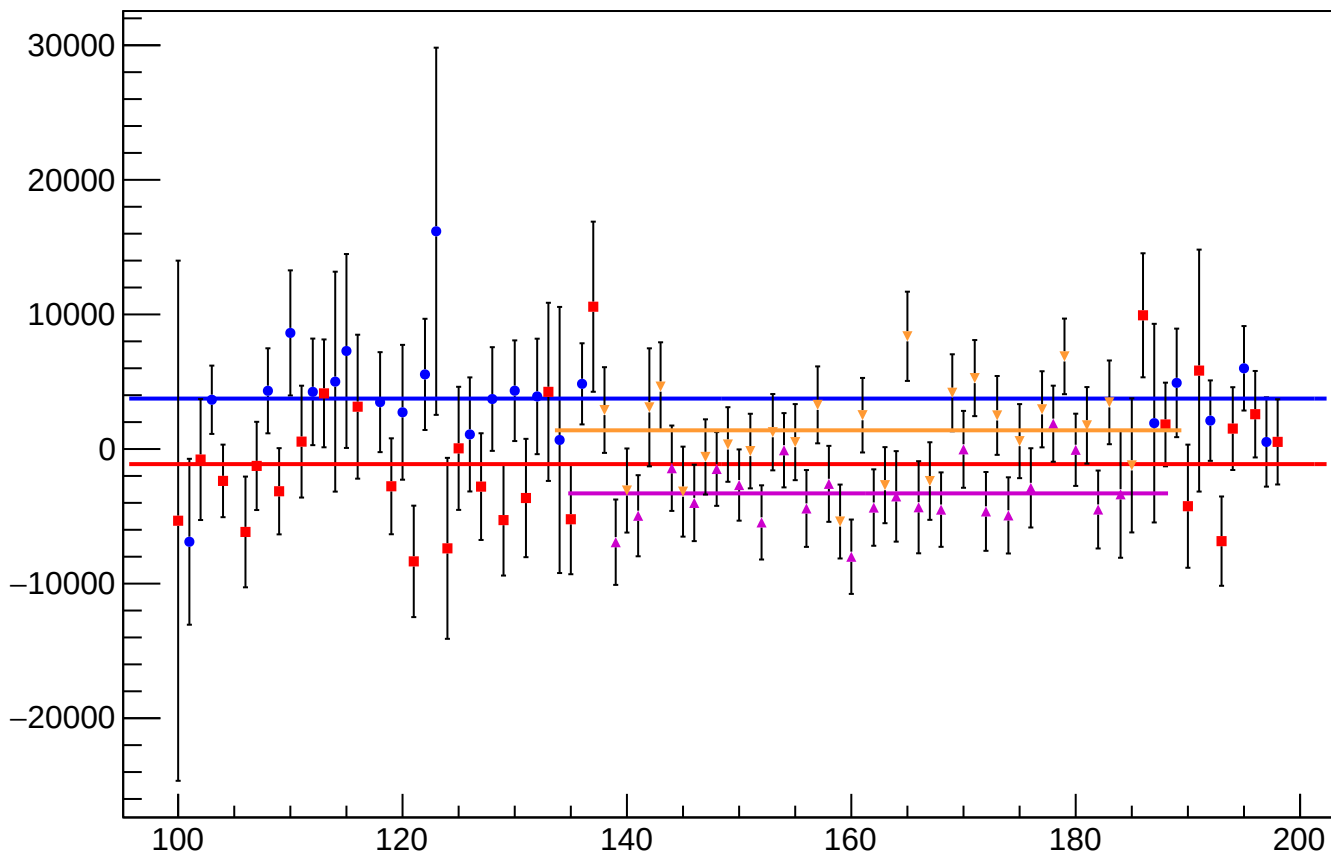
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2955.094+/-0.397 χ^2/NDF : 818700.3/46

All: 2876.954+/-0.273 χ^2/NDF : 3596584.0/96

- sign 2806.839+/-0.376 χ^2/NDF : 2704334.1/49

reg_asym_atr2_mean vs Slug



Right In: 3748.424 $\pm$ 858.784 χ^2 /NDF: 8.0/21

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

Right Out: -1120.957 $\pm$ 769.731 χ^2 /NDF: 28.5/26

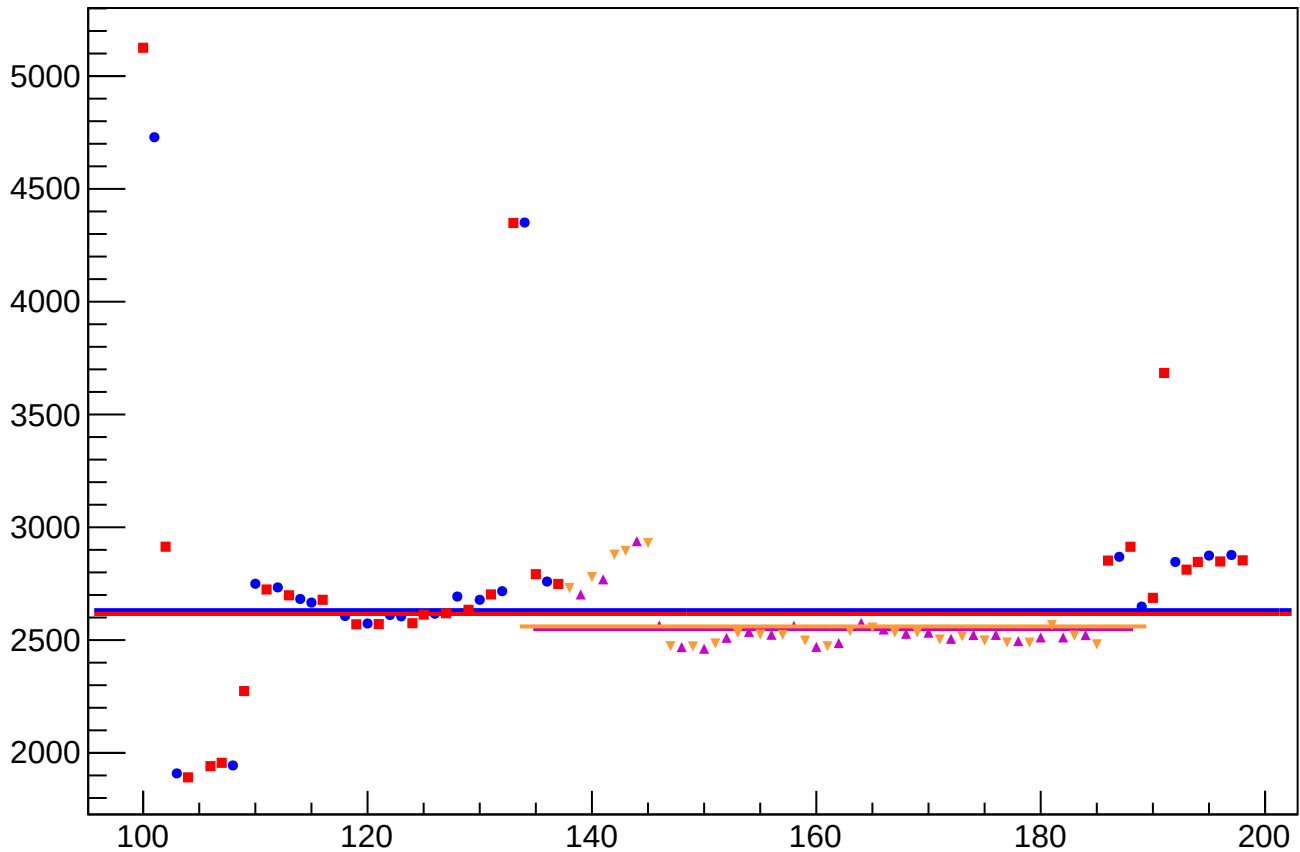
Left In: -3295.367 $\pm$ 609.991 χ^2 /NDF:14.9/22

+ sign 2157.742 $\pm$ 489.924 χ^2 /NDF: 42.3/46

All: -205.898 $\pm$ 342.162 χ^2 /NDF: 136.0/96

- sign -2456.577 $\pm$ 478.073 χ^2 /NDF: 48.3/49

reg_asym_atr2_rms vs Slug



Right In: 2632.721 $\pm$ 0.607 χ^2 /NDF: 592702.8/21

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

Right Out: 2615.739 $\pm$ 0.544 χ^2 /NDF: 582746.5/26

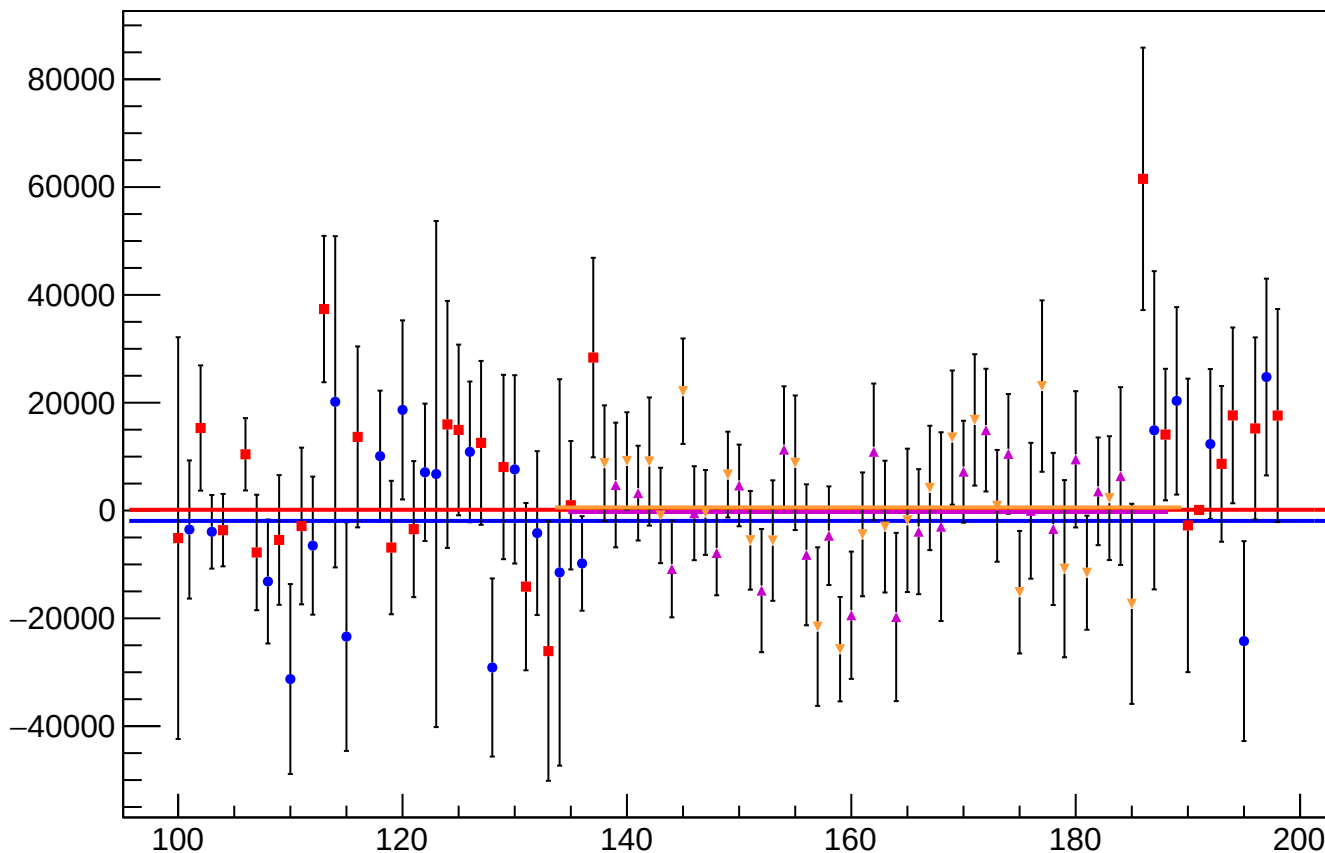
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2584.026 $\pm$ 0.346 χ^2 /NDF: 689007.2/46

All: 2579.231 $\pm$ 0.242 χ^2 /NDF: 1336665.4/96

- sign 2574.665 $\pm$ 0.338 χ^2 /NDF: 647284.2/49

asym_atr2_correction_mean vs Slug



Right In: -1926.862 ± 2999.589 χ^2/NDF : 20.0/21

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

Right Out: 139.937 ± 195.004 χ^2/NDF : 31.2/26

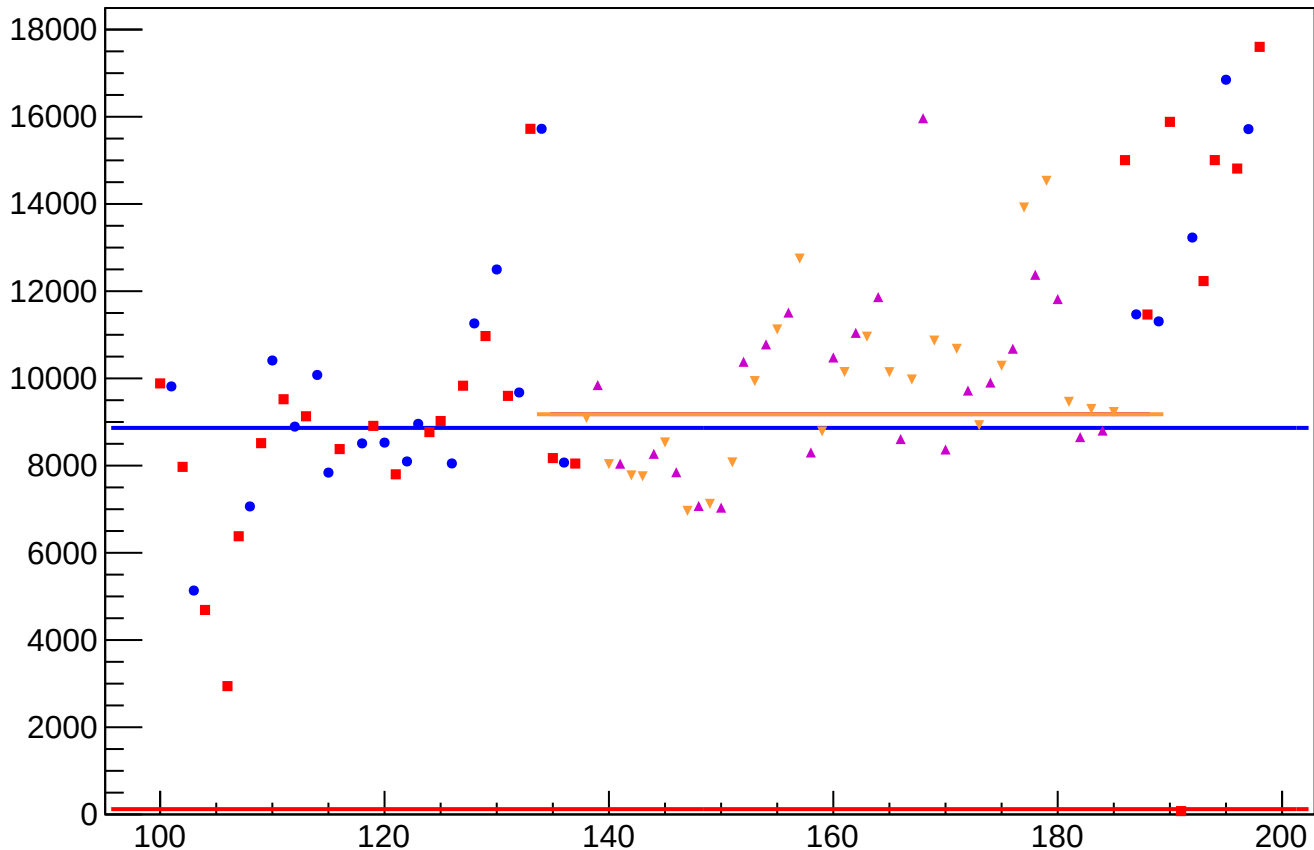
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -293.640 ± 1765.783 χ^2/NDF : 48.7/46

All: 131.675 ± 193.106 χ^2/NDF : 95.7/96

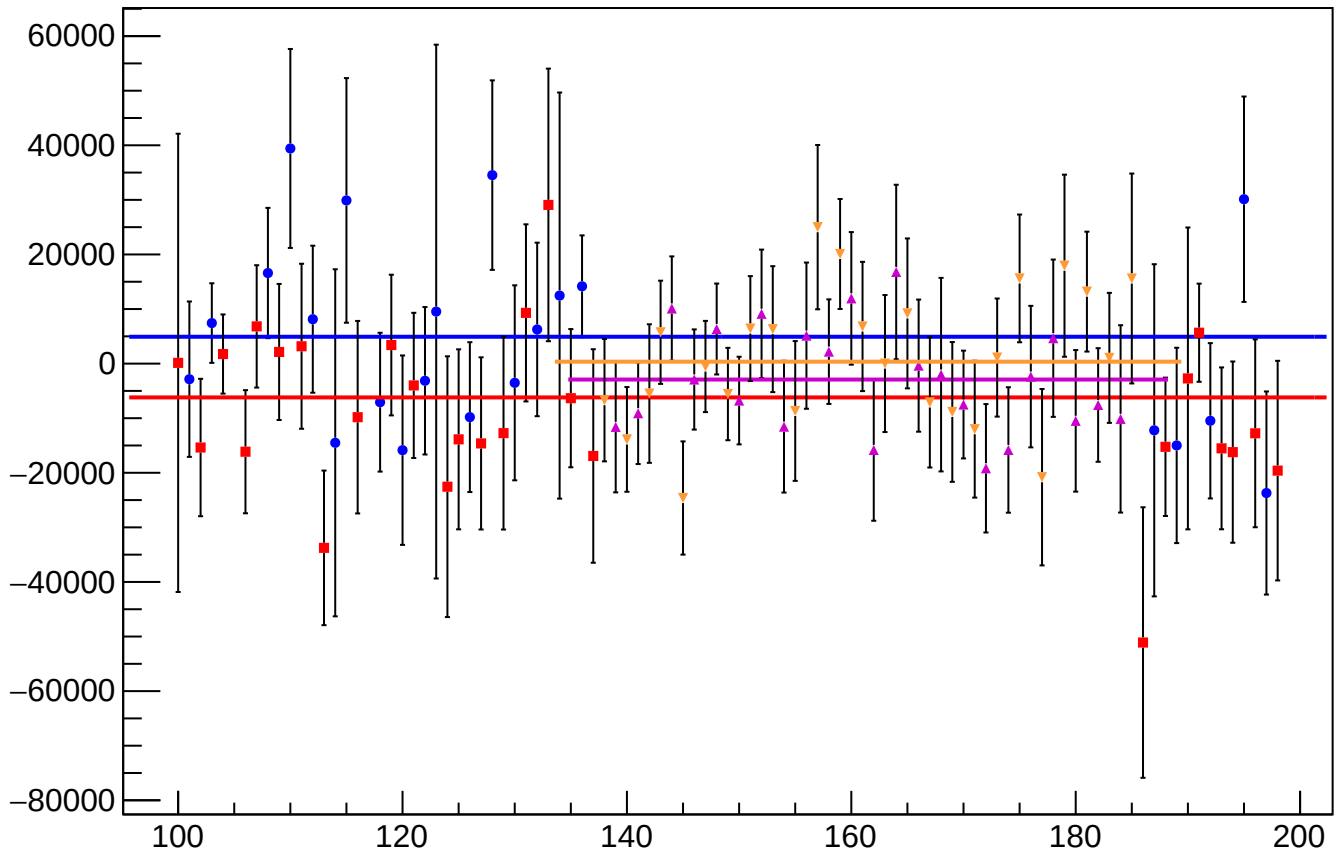
- sign 136.823 ± 194.271 χ^2/NDF : 46.9/49

asym_atr2_correction_rms vs Slug



Right In: 8864.864+/-2.121	χ^2/NDF : 1825787.6/21	+ sign 9069.282+/-1.249	χ^2/NDF : 3016197.7/46
Left Out: 9177.688+/-1.545	χ^2/NDF : 1176195.8/24	All: 296.331+/-0.137	χ^2/NDF : 109344837.9/5
Right Out: 122.172+/-0.138	χ^2/NDF : 22742330.4/26	- sign 190.140+/-0.137	χ^2/NDF : 56362957.0/49
Left In: 9181.254+/-1.586	χ^2/NDF : 1236469.7/22		

asym_atr2_mean vs Slug



Right In: 4921.382 $\pm$ 3154.883 χ^2 /NDF: 21.5/21

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

Right Out: -6191.988 $\pm$ 2723.013 χ^2 /NDF: 20.3/26

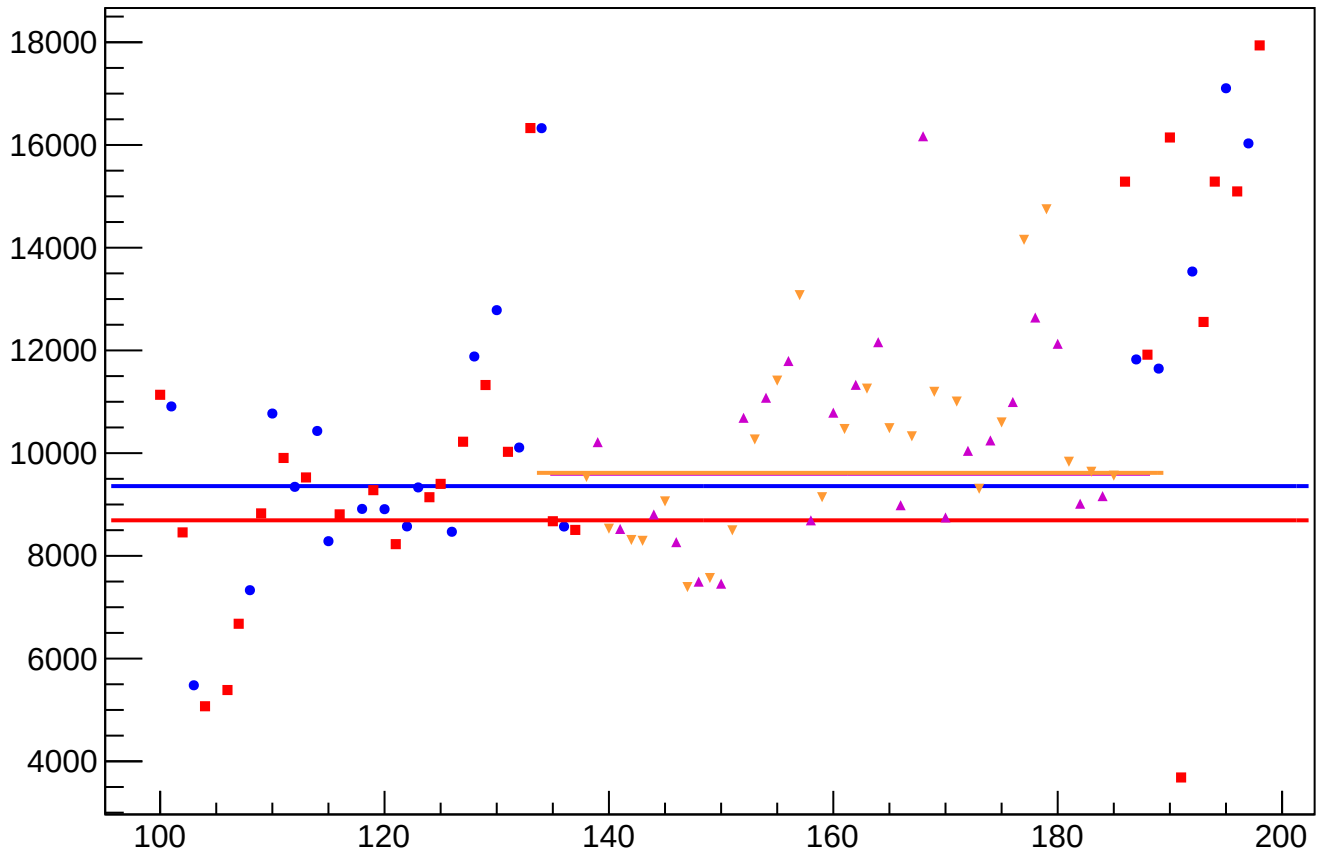
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 1923.672 $\pm$ 1848.834 χ^2 /NDF: 49.1/46

All: -1320.667 $\pm$ 1280.068 χ^2 /NDF: 91.1/96

- sign -4307.881 $\pm$ 1774.059 χ^2 /NDF: 36.1/49

asym_atr2_rms vs Slug



Right In: 9358.257+/-2.231 χ^2/NDF : 1704194.7/21

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

Right Out: 8692.007+/-1.925 χ^2/NDF : 3224897.0/26

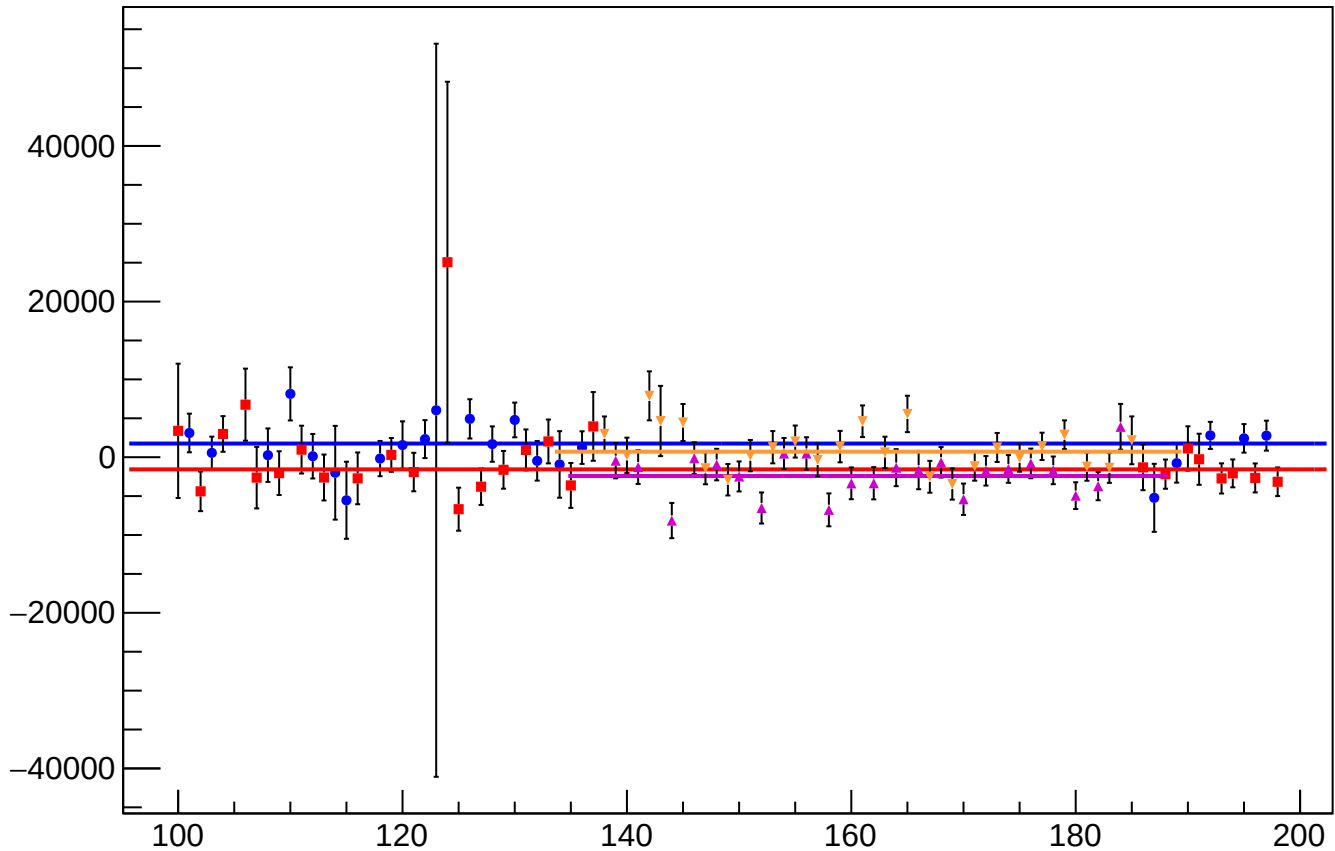
Left In: 9598.531+/-1.654 χ^2/NDF : 1082171.6/22

+ sign 9527.646+/-1.307 χ^2/NDF : 2724641.4/46

All: 9364.210+/-0.905 χ^2/NDF : 7189308.7/96

- sign 9213.732+/-1.254 χ^2/NDF : 4434648.6/49

reg_asym_atl_avg_mean vs Slug



Right In: 1754.767 $\pm$ 548.672 χ^2 /NDF: 17.0/21

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

Right Out: -1563.254 $\pm$ 500.957 χ^2 /NDF: 23.5/26

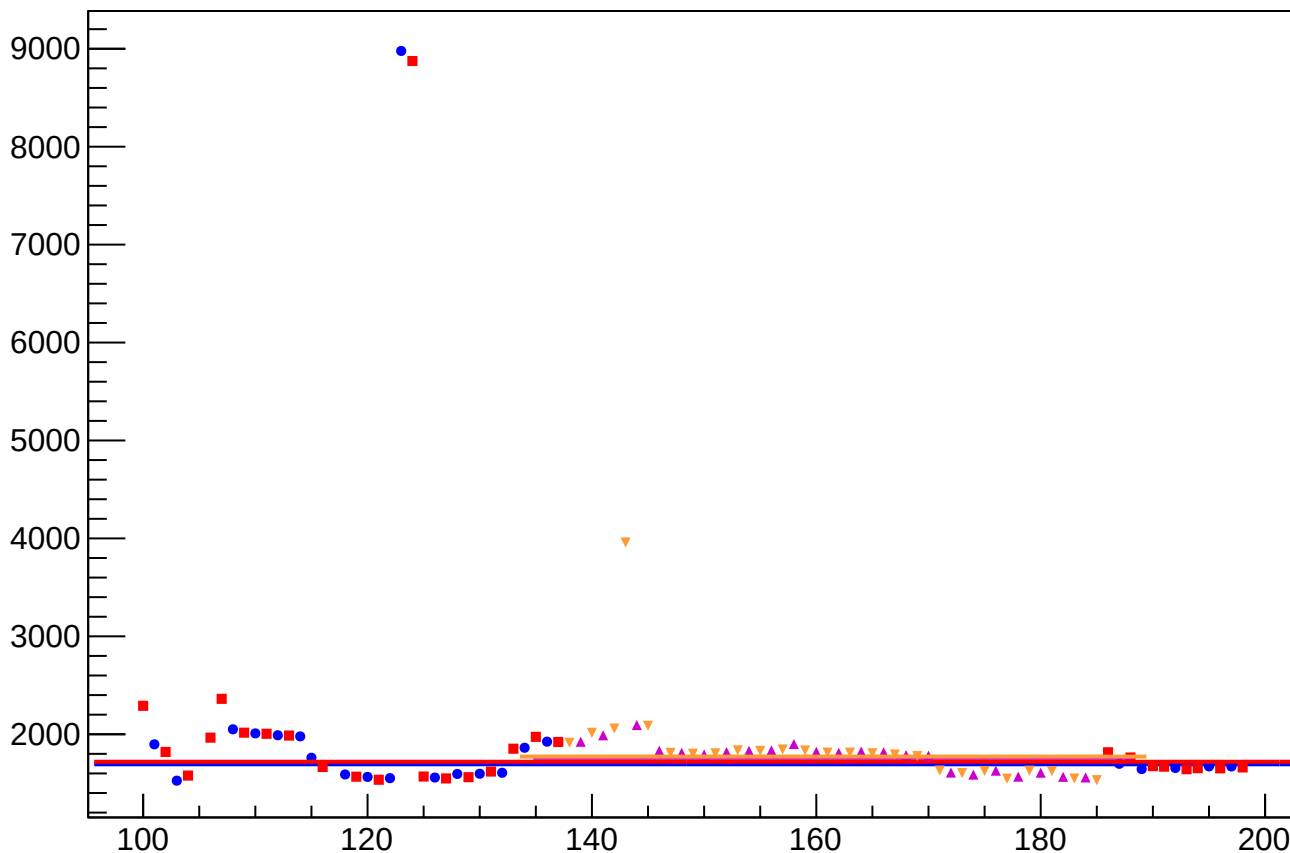
Left In: -2414.749 $\pm$ 423.472 χ^2 /NDF:34.0/22

+ sign 1092.790 $\pm$ 332.187 χ^2 /NDF: 54.1/46

All: -525.771 $\pm$ 231.724 χ^2 /NDF: 159.5/96

- sign -2059.875 $\pm$ 323.404 χ^2 /NDF: 59.1/49

reg_asym_atl_avg_rms vs Slug



Right In: 1693.550+/-0.388 χ^2/NDF : 198984.5/21

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

Right Out: 1719.345+/-0.353 χ^2/NDF : 414626.7/26

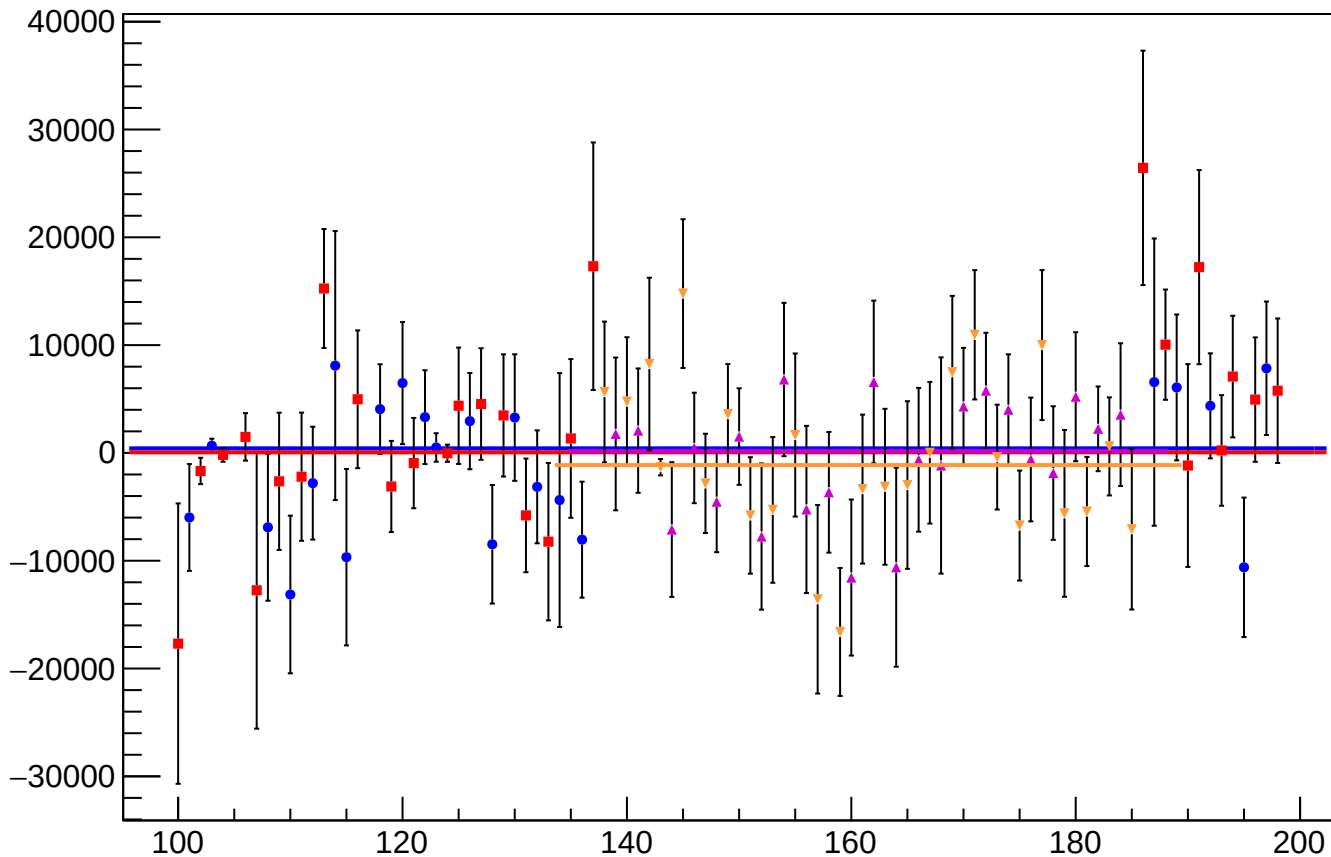
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1743.273+/-0.235 χ^2/NDF : 927387.1/46

All: 1743.016+/-0.164 χ^2/NDF : 1564461.4/96

- sign 1742.774+/-0.228 χ^2/NDF : 637072.1/49

asym_atl_avg_correction_mean vs Slug



Right In: 424.847 $\pm$ 531.451 χ^2 /NDF: 23.2/21

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

Right Out: 57.118 $\pm$ 426.048 χ^2 /NDF: 37.5/26

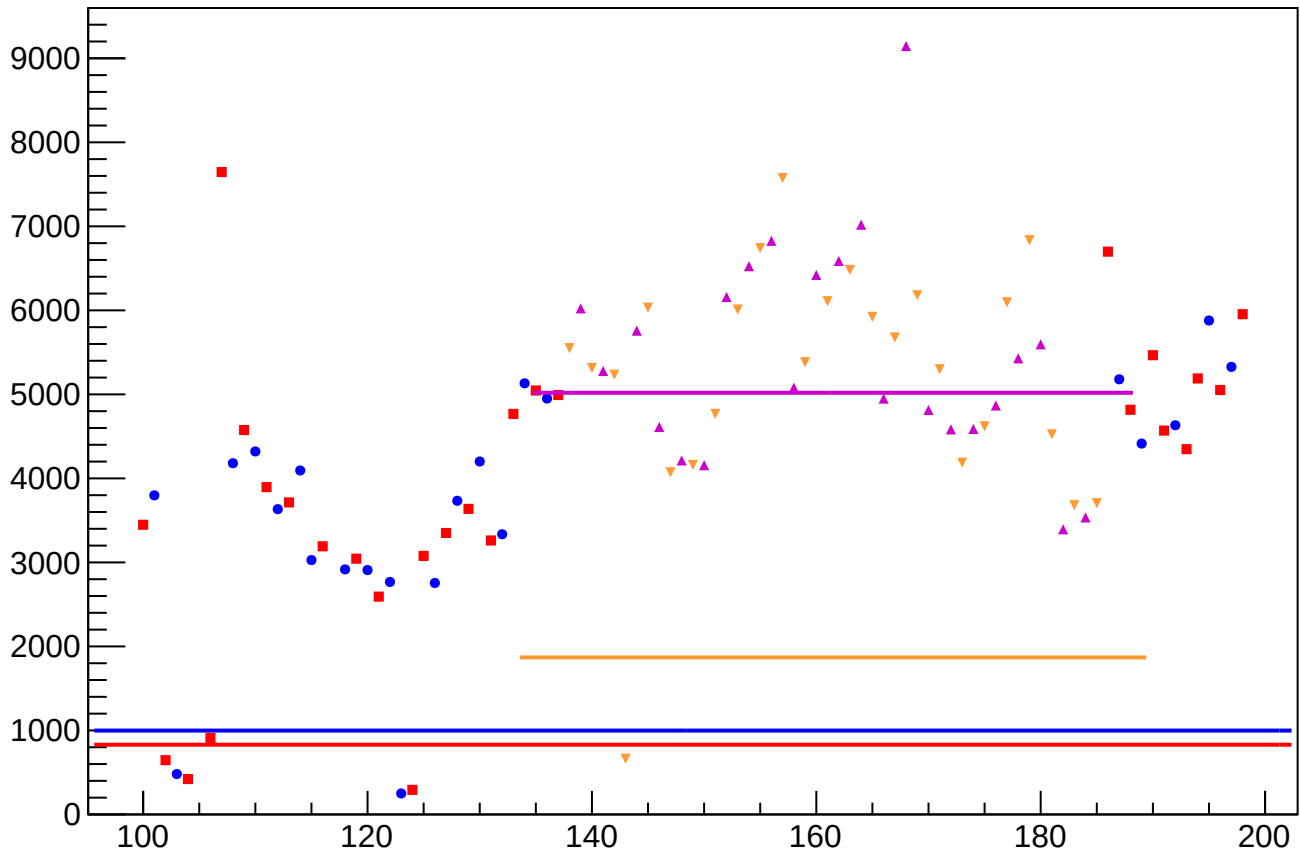
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -200.802 $\pm$ 410.823 χ^2 /NDF: 58.2/46

All: -63.209 $\pm$ 287.568 χ^2 /NDF: 110.0/96

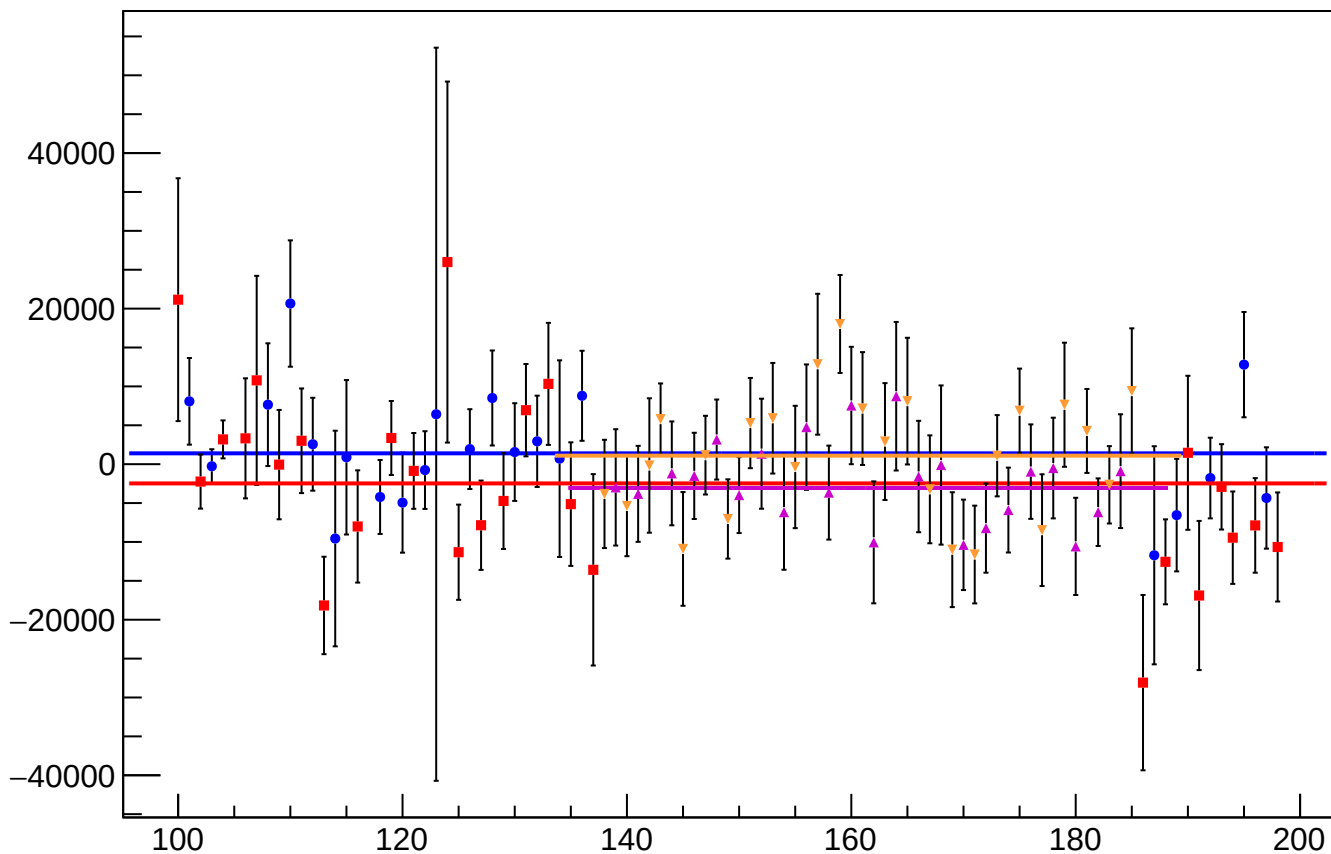
- sign 68.974 $\pm$ 402.666 χ^2 /NDF: 51.6/49

asym_atl_avg_correction_rms vs Slug



Right In: 998.408+/-0.376	χ^2/NDF : 12198997.2/21	+ sign 1348.759+/-0.290	χ^2/NDF : 34211215.5/46
Left Out: 1868.983+/-0.458	χ^2/NDF : 19852416.6/24	All: 1312.303+/-0.203	χ^2/NDF : 72059914.7/5
Right Out: 830.092+/-0.301	χ^2/NDF : 15608498.9/26	- sign 1277.280+/-0.285	χ^2/NDF : 37817820.4/49
Left In: 5019.114+/-0.871	χ^2/NDF : 1569031.9/22		

asym_atl_avg_mean vs Slug



Right In: 1393.498 $\pm$ 1206.848 χ^2 /NDF: 20.6/21

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

Right Out: -2473.314 $\pm$ 1136.807 χ^2 /NDF: 43.7/26

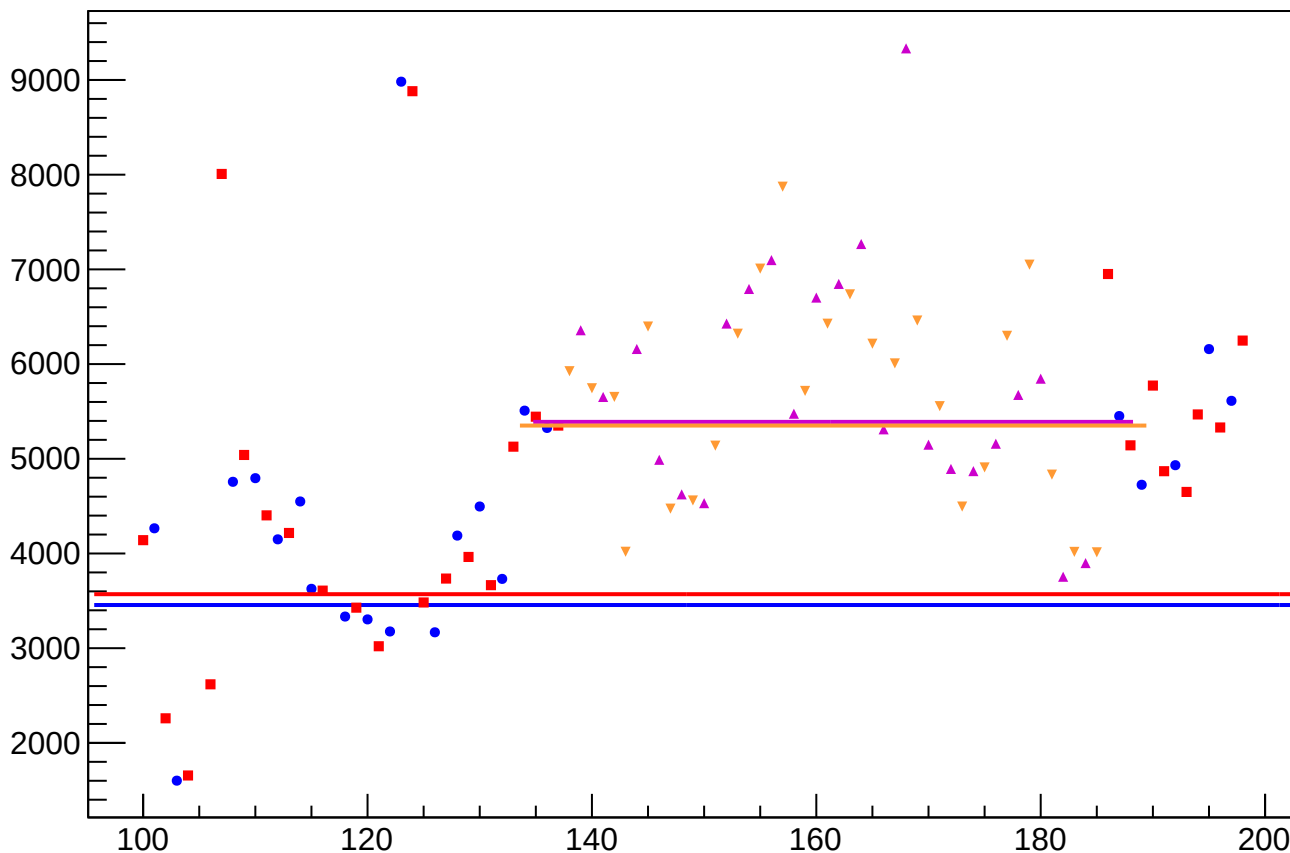
Left In: -3064.775 $\pm$ 1318.173 χ^2 /NDF:12.6/22

+ sign 1251.896 $\pm$ 875.860 χ^2 /NDF: 52.6/46

All: -771.142 $\pm$ 613.963 χ^2 /NDF: 119.5/96

- sign -2725.587 $\pm$ 860.884 χ^2 /NDF: 56.4/49

asym_atl_avg_rms vs Slug



Right In: 3455.937 $\pm$ 0.853 χ^2 /NDF: 2821261.9/21

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

Right Out: 3570.260 $\pm$ 0.795 χ^2 /NDF: 3534319.0/26

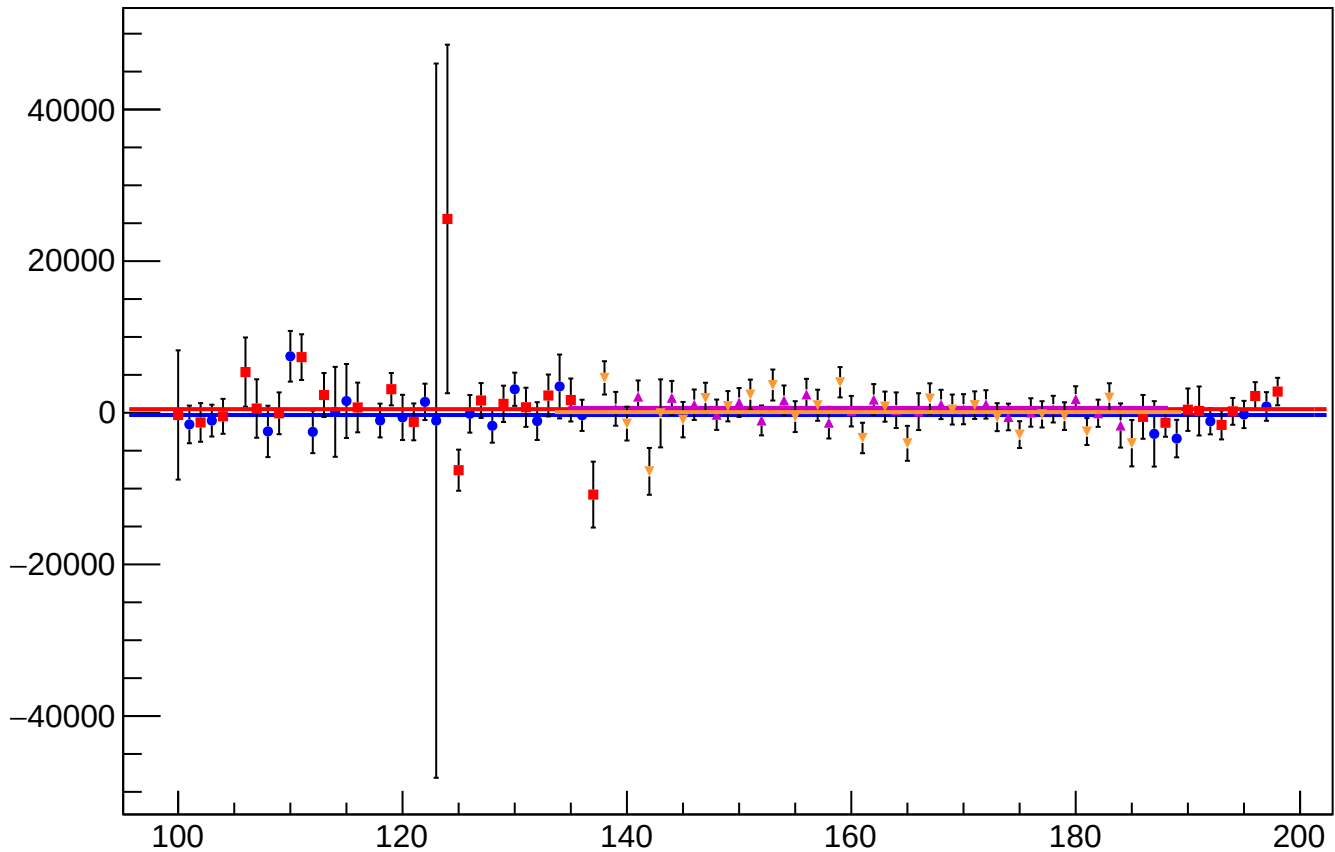
Left In: 5389.724 $\pm$ 0.932 χ^2 /NDF:1309863.0/22

+ sign 4352.772 $\pm$ 0.619 χ^2 /NDF: 6396322.4/46

All: 4344.264 $\pm$ 0.433 χ^2 /NDF: 13447318.3/9

- sign 4336.151 $\pm$ 0.605 χ^2 /NDF: 7050627.2/49

reg_asym_atl_dd_mean vs Slug



Right In: -294.937 ± 540.753 χ^2/NDF : 13.8/21

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

Right Out: 479.874 ± 493.594 χ^2/NDF : 31.9/26

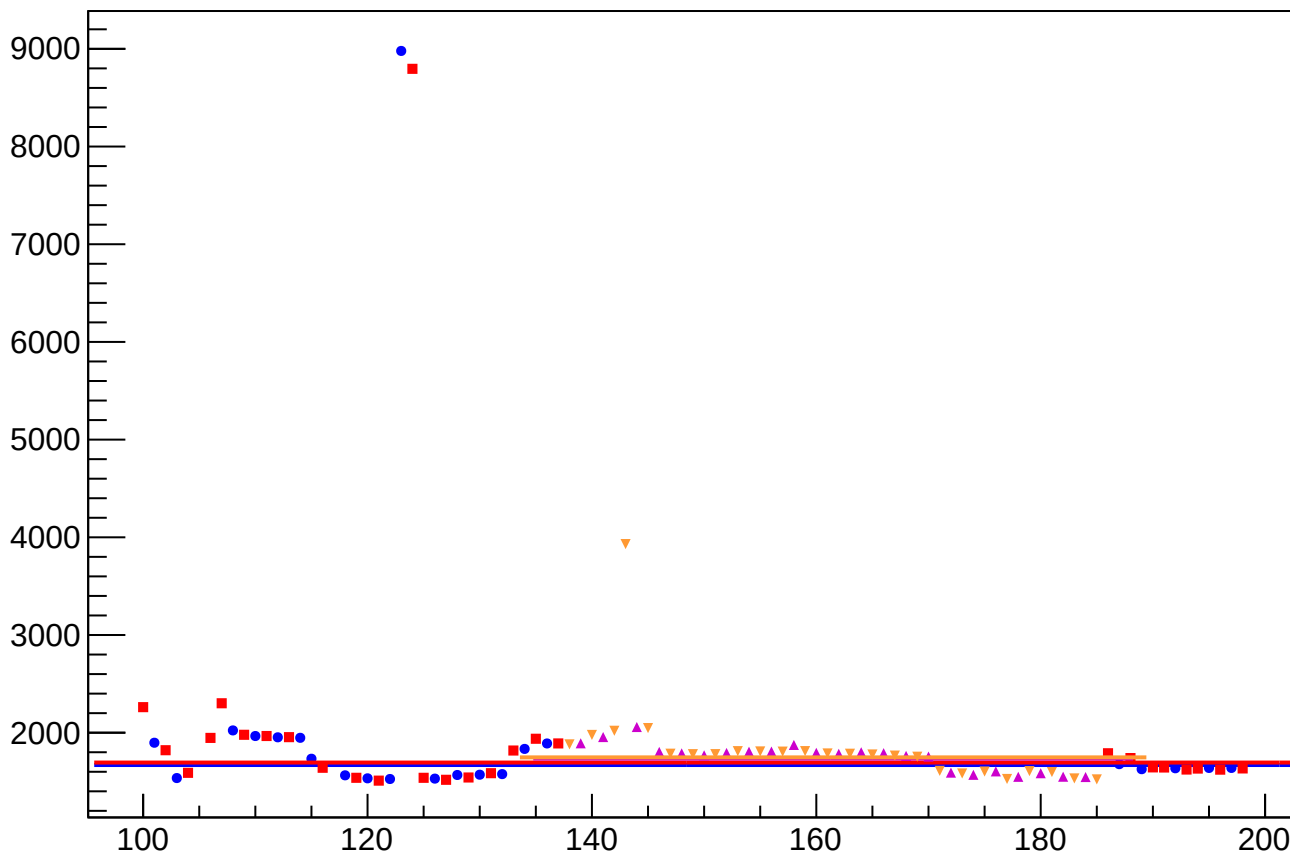
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -53.575 ± 327.482 χ^2/NDF : 50.1/46

All: 268.269 ± 228.444 χ^2/NDF : 90.2/96

- sign 573.328 ± 318.828 χ^2/NDF : 38.2/49

reg_asym_atl_dd_rms vs Slug



Right In: 1669.158+/-0.382 χ^2/NDF : 197514.8/21

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

Right Out: 1694.390+/-0.348 χ^2/NDF : 411416.0/26

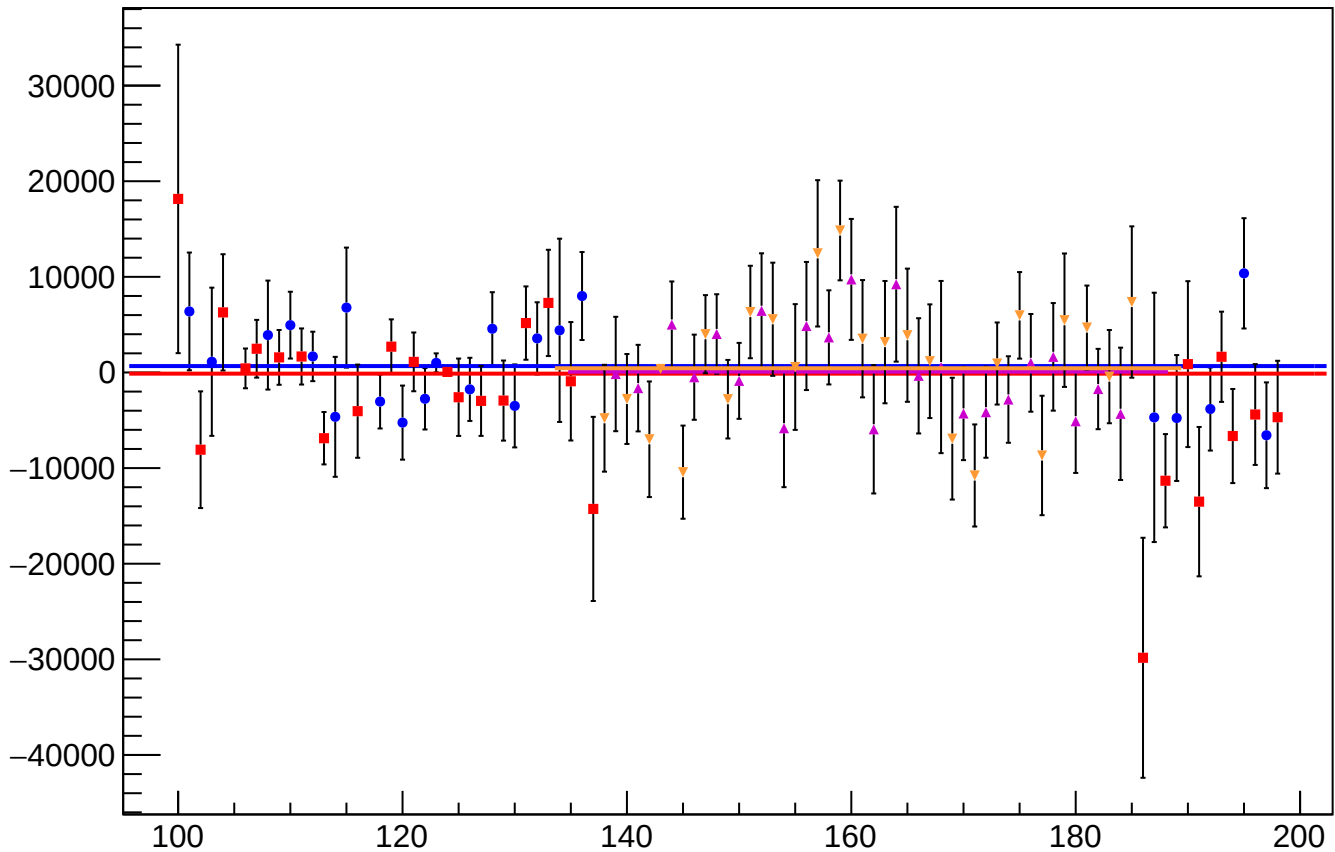
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1718.654+/-0.232 χ^2/NDF : 922167.9/46

All: 1718.484+/-0.161 χ^2/NDF : 1548475.6/96

- sign 1718.323+/-0.225 χ^2/NDF : 626306.6/49

asym_atl_dd_correction_mean vs Slug



Right In: 668.488 $\pm$ 682.596 χ^2 /NDF: 22.1/21

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

Right Out: -123.559 $\pm$ 352.196 χ^2 /NDF: 38.0/26

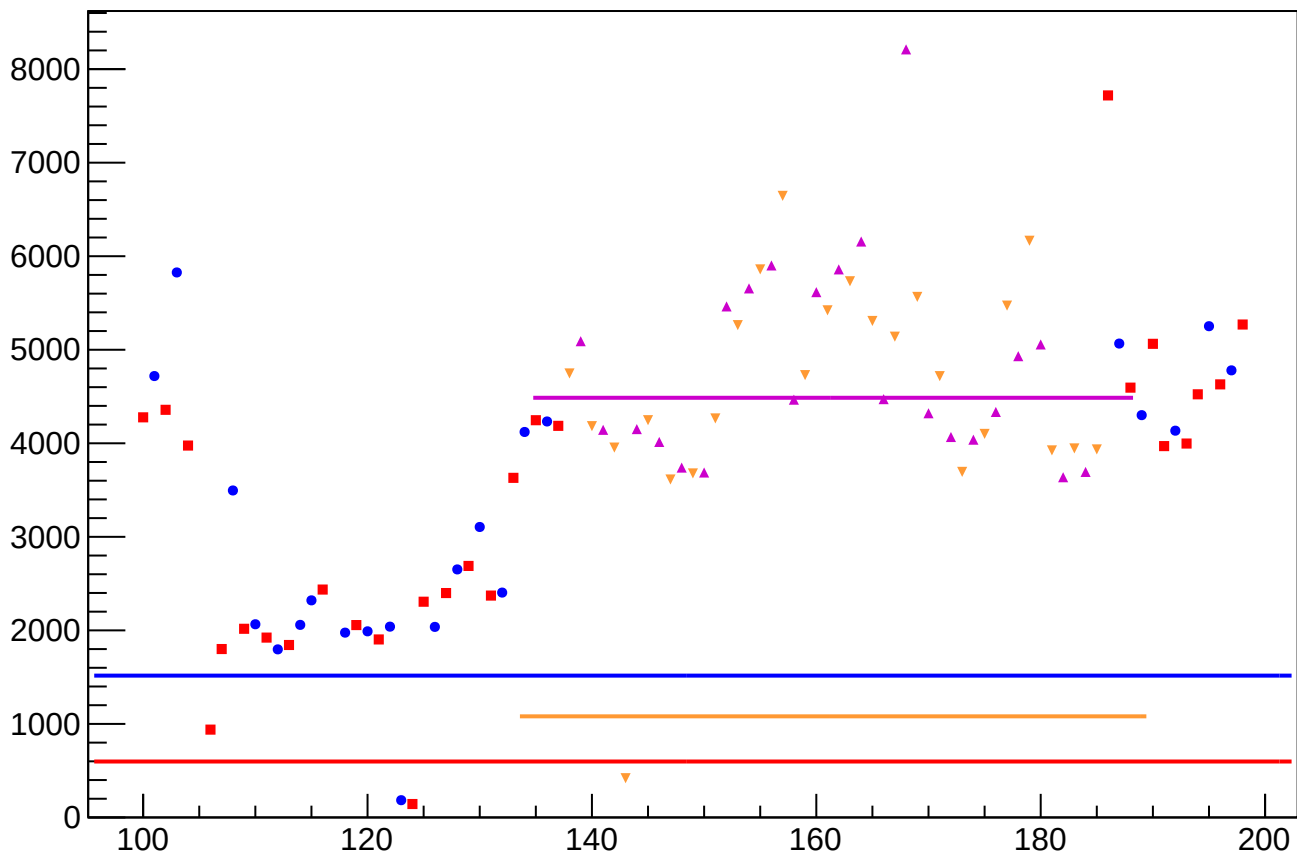
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 508.687 $\pm$ 370.024 χ^2 /NDF: 56.0/46

All: 172.411 $\pm$ 248.454 χ^2 /NDF: 109.0/96

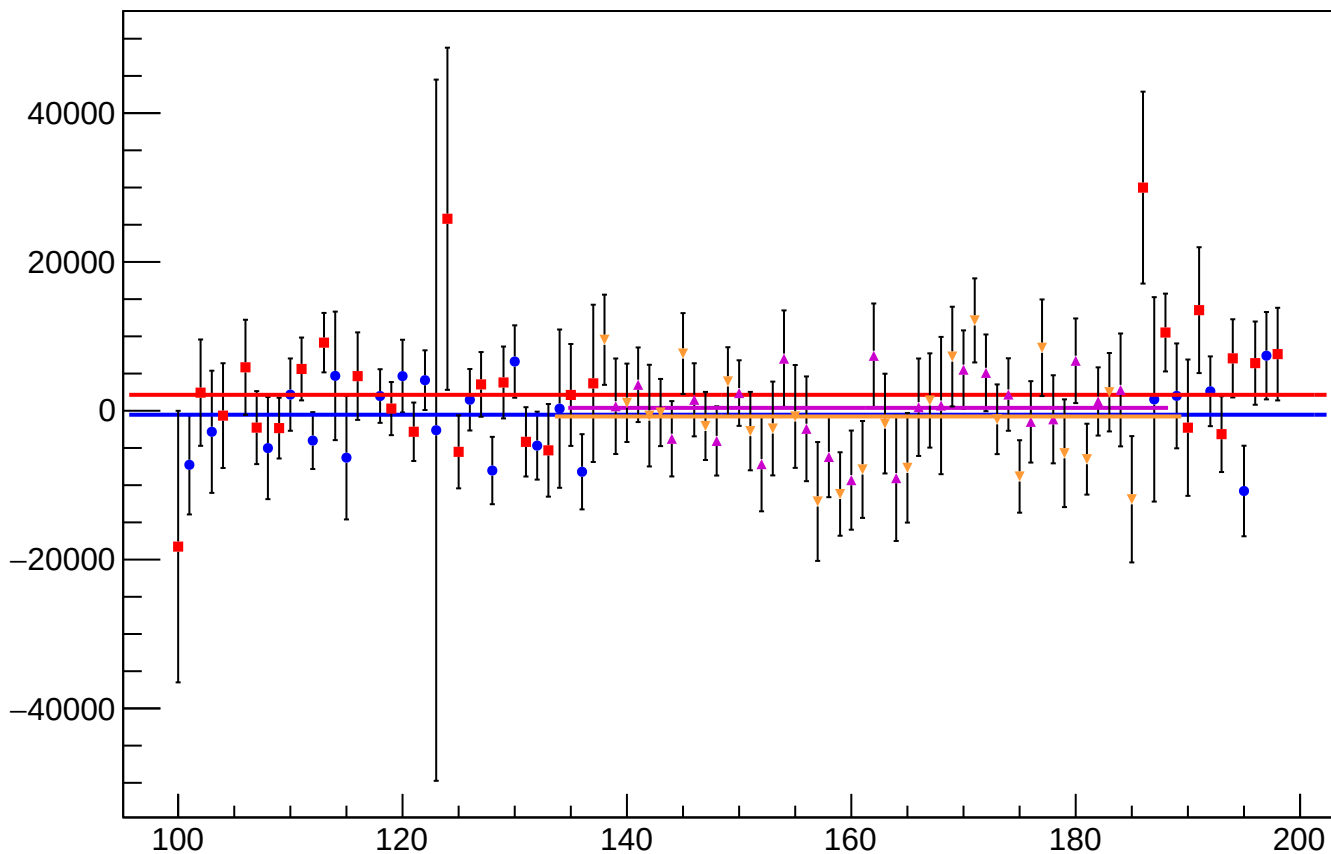
- sign -103.671 $\pm$ 335.276 χ^2 /NDF: 51.4/49

asym_atl_dd_correction_rms vs Slug



Right In: 1516.314+/-0.483	χ^2/NDF : 9473347.3/21	+ sign 1208.921+/-0.262	χ^2/NDF : 34503964.3/46
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1073.739+/-0.176	χ^2/NDF : 76991653.2/5
Right Out: 598.099+/-0.249	χ^2/NDF : 17957577.8/26	- sign 962.755+/-0.237	χ^2/NDF : 42001595.9/49
Left In: 4486.570+/-0.774	χ^2/NDF : 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -532.512 ± 1153.665 χ^2/NDF : 20.0/21

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

Right Out: 2142.779 ± 1052.762 χ^2/NDF : 29.1/26

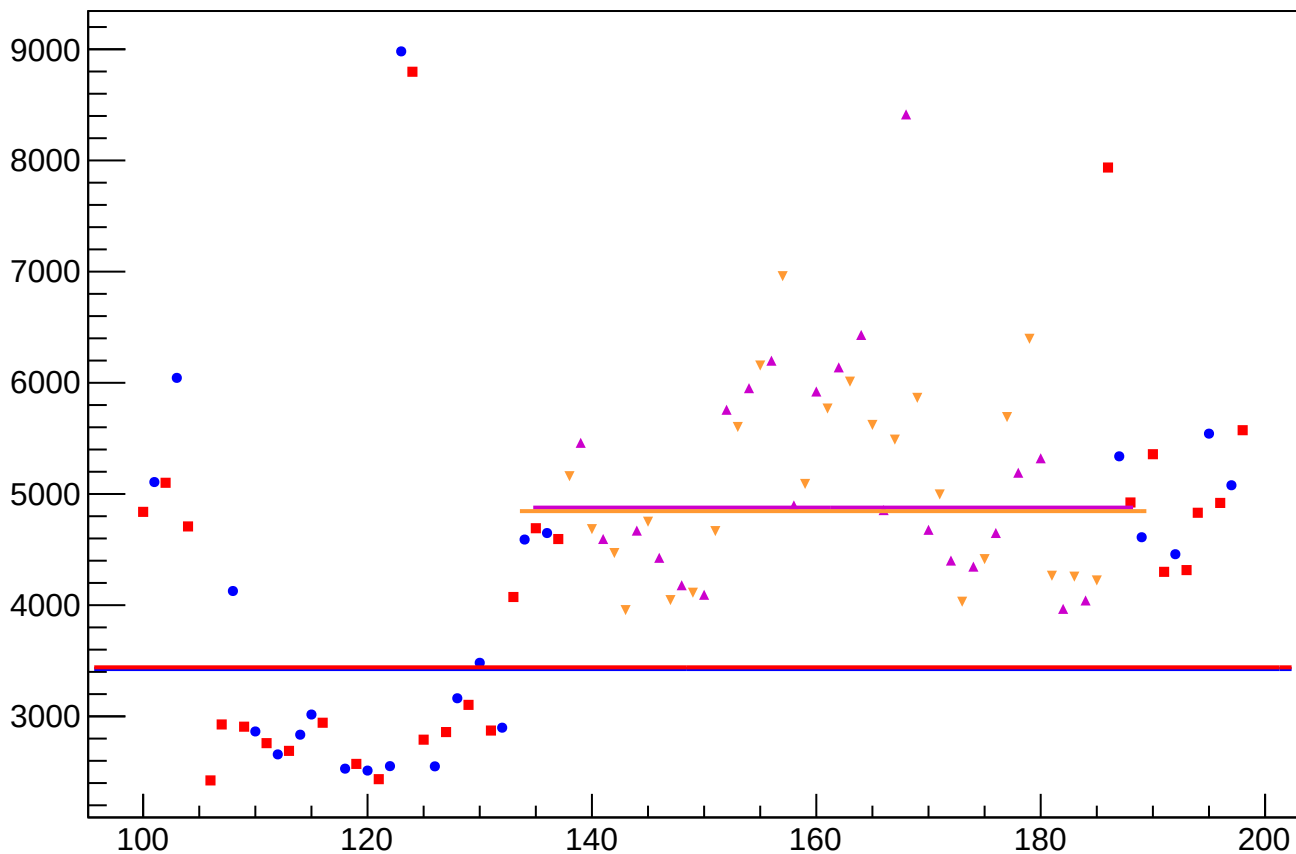
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -649.898 ± 813.530 χ^2/NDF : 50.0/46

All: 393.040 ± 565.793 χ^2/NDF : 97.7/96

- sign 1370.090 ± 787.413 χ^2/NDF : 44.5/49

asym_atl_dd_rms vs Slug



Right In: 3425.290+/-0.816 χ^2/NDF : 1647165.5/21

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

+ sign 4139.416+/-0.575 χ^2/NDF : 4080698.4/46

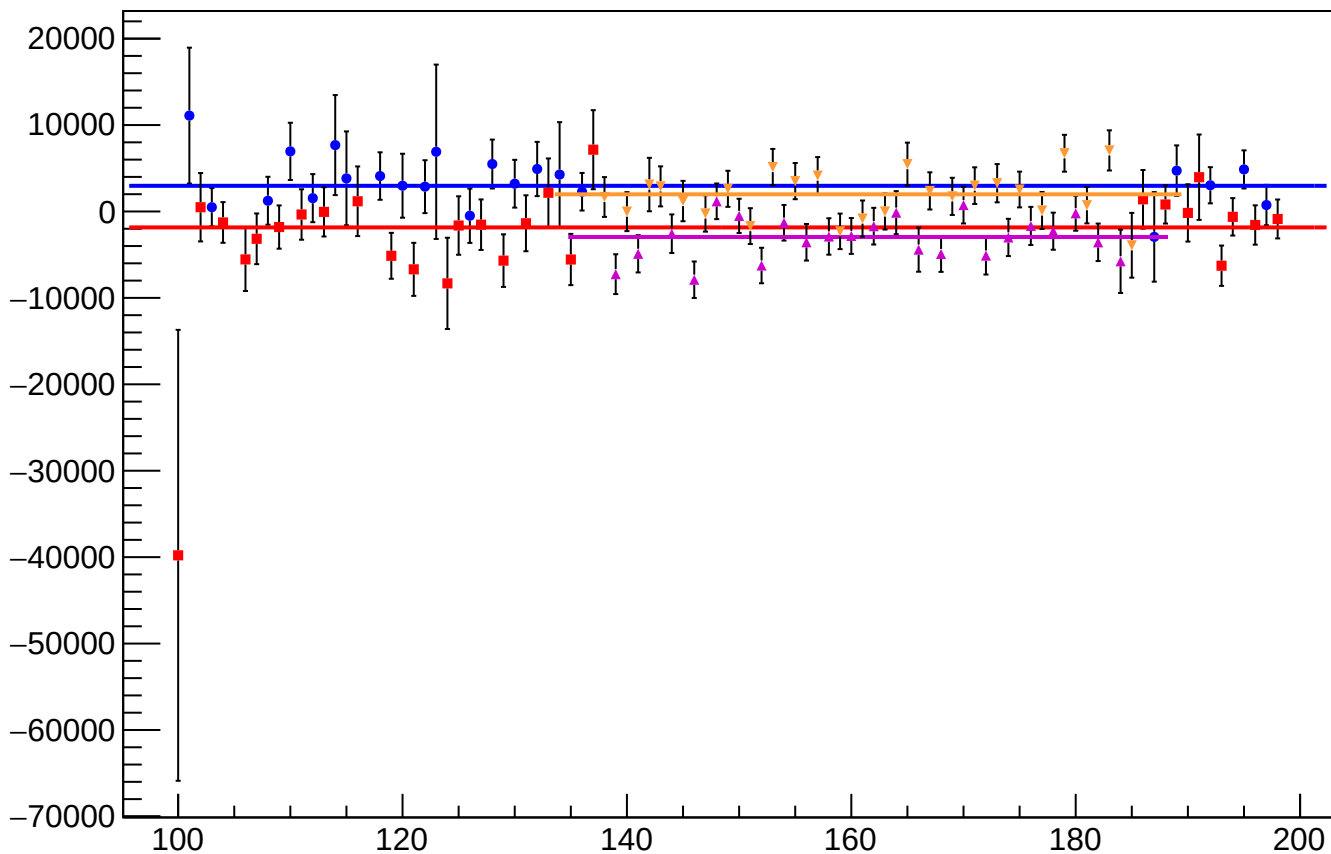
Right Out: 3440.995+/-0.737 χ^2/NDF : 2131465.0/26

All: 4101.784+/-0.399 χ^2/NDF : 8833694.2/96

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

- sign 4066.915+/-0.554 χ^2/NDF : 4744750.7/49

reg_asym_atr_avg_mean vs Slug



Right In: 2968.474 ± 642.086 $\chi^2/\text{NDF}: 11.3/21$

Left Out: 1985.469 ± 443.190 $\chi^2/\text{NDF}: 32.4/24$

Right Out: -1843.432 ± 574.761 $\chi^2/\text{NDF}: 26.7/26$

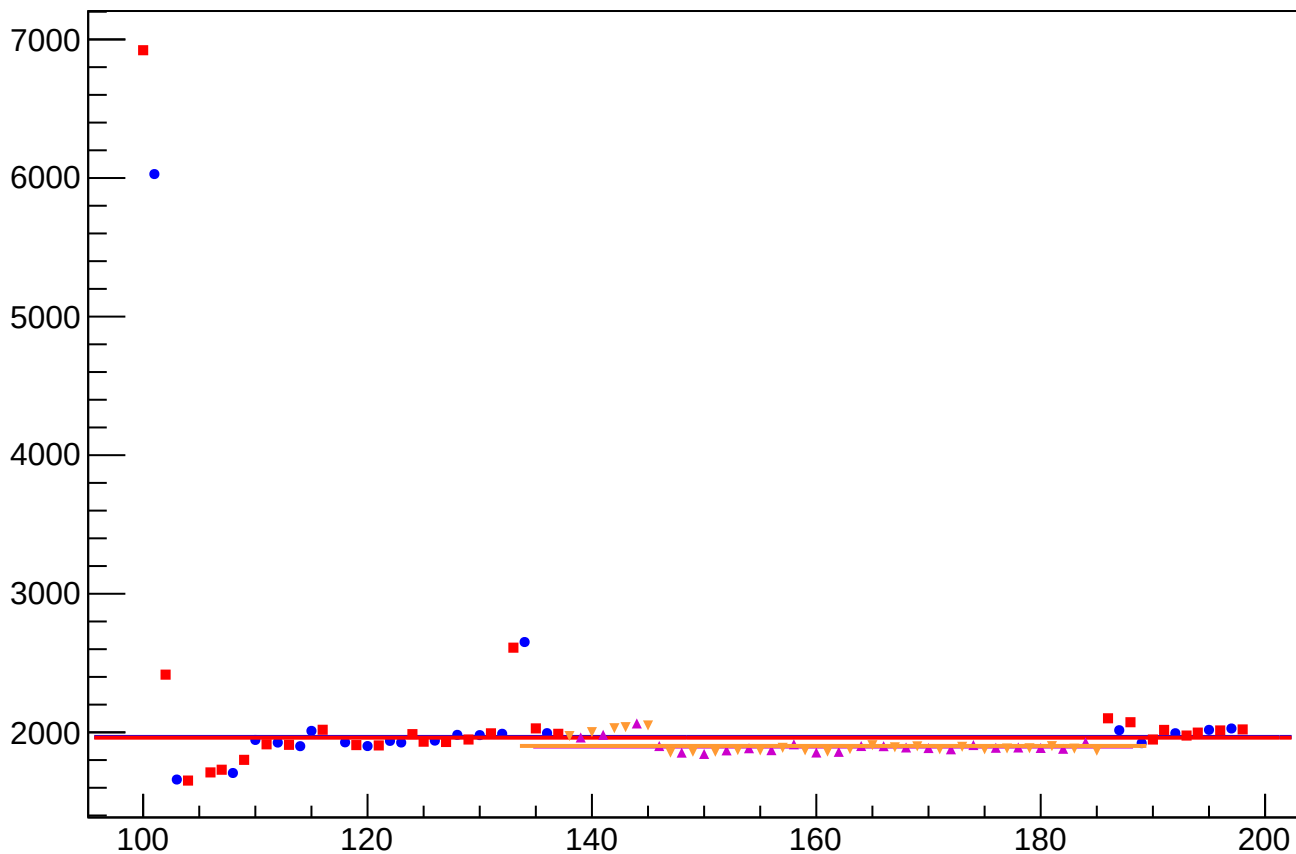
Left In: -2955.900 ± 454.551 $\chi^2/\text{NDF}: 28.4/22$

+ sign 2302.672 ± 364.741 $\chi^2/\text{NDF}: 45.3/46$

All: -167.566 ± 254.958 $\chi^2/\text{NDF}: 192.5/96$

- sign -2527.840 ± 356.530 $\chi^2/\text{NDF}: 57.5/49$

reg_asym_atr_avg_rms vs Slug



Right In: 1966.838 $\pm$ 0.454 χ^2 /NDF: 621519.6/21

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

Right Out: 1961.559 $\pm$ 0.406 χ^2 /NDF: 234517.2/26

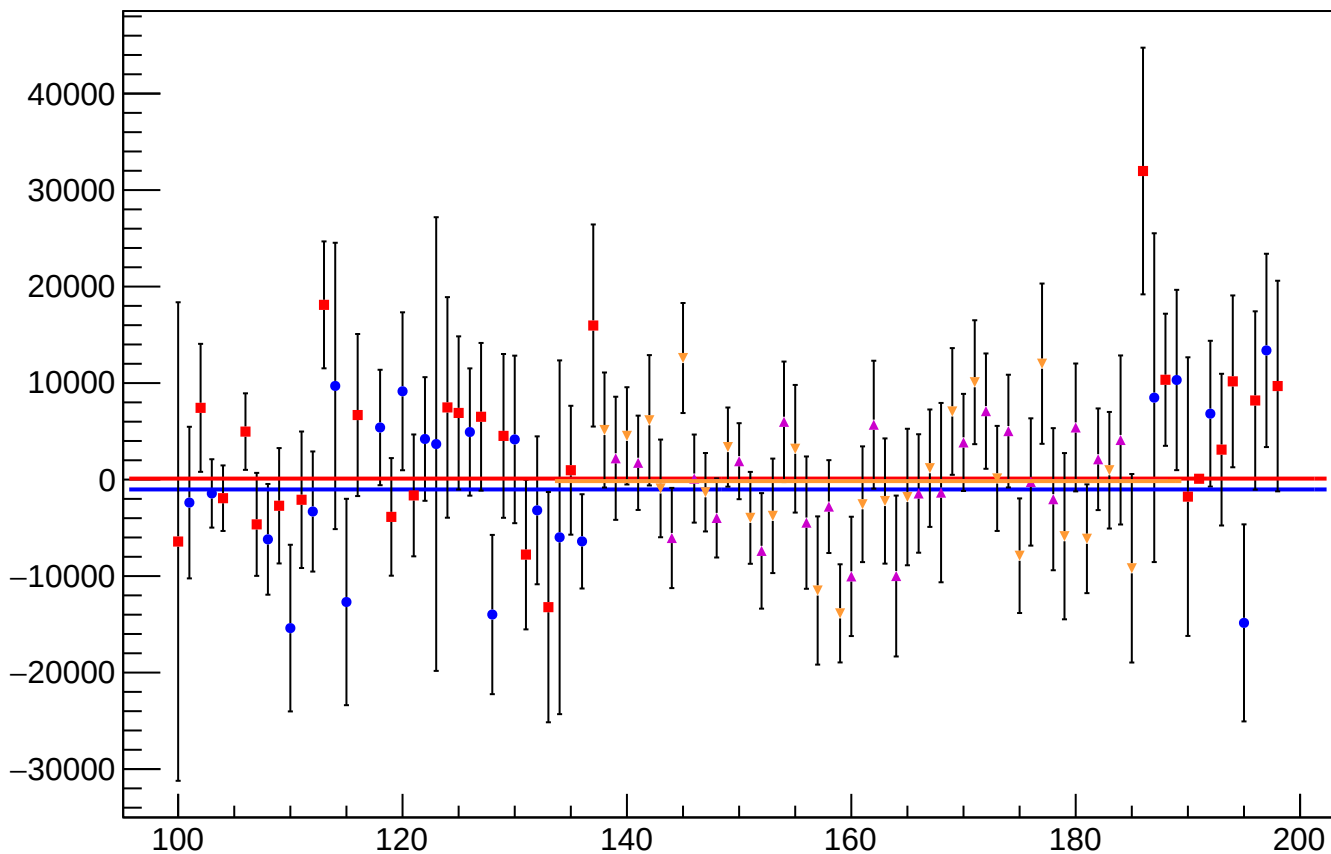
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF: 21180.1/22

+ sign 1922.844 $\pm$ 0.258 χ^2 /NDF: 665829.3/46

All: 1922.496 $\pm$ 0.180 χ^2 /NDF: 936862.2/96

- sign 1922.165 $\pm$ 0.252 χ^2 /NDF: 271029.3/49

asym_atr_avg_correction_mean vs Slug



Right In: -1022.707 ± 1556.620 χ^2/NDF : 20.6/21

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

Right Out: 102.240 ± 109.593 χ^2/NDF : 31.1/26

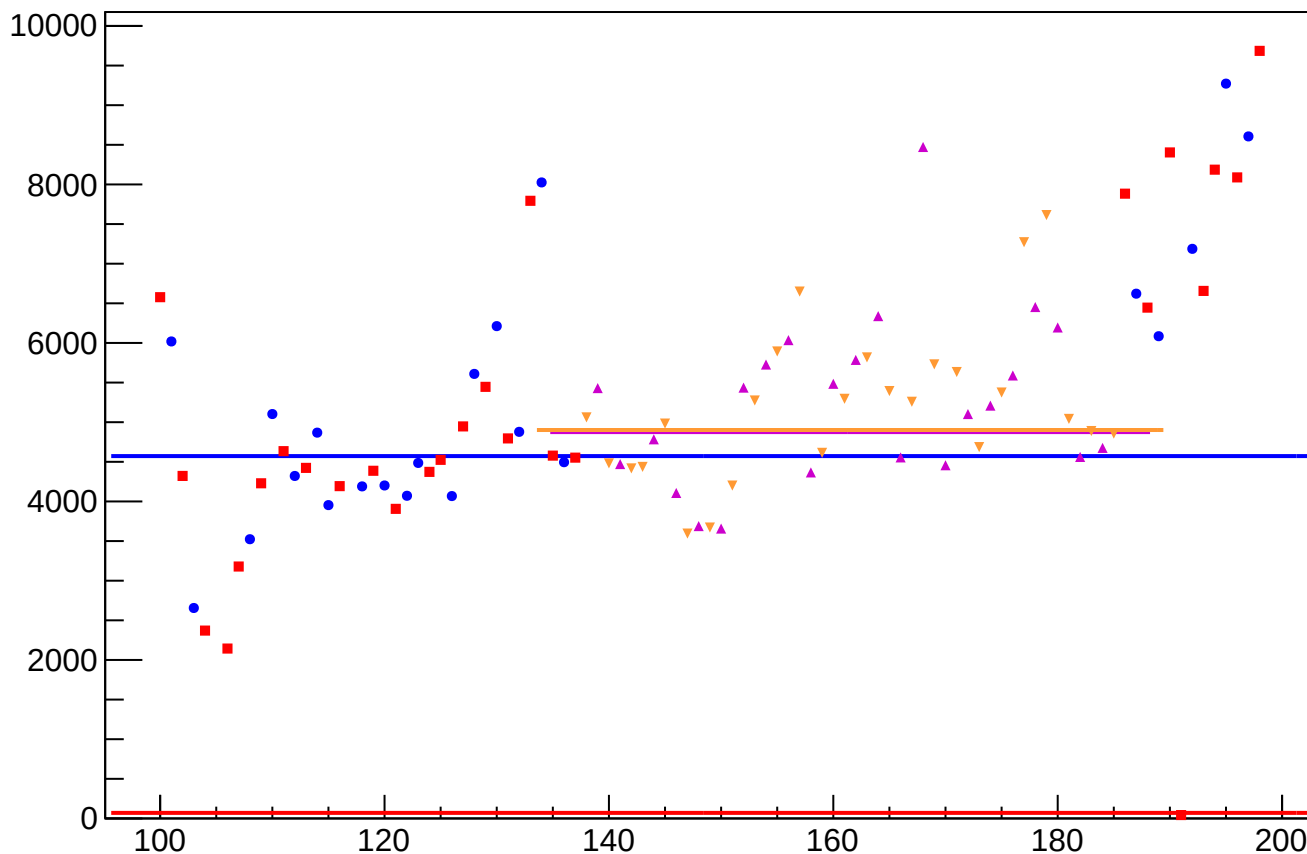
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -468.446 ± 933.142 χ^2/NDF : 50.3/46

All: 92.541 ± 108.393 χ^2/NDF : 96.5/96

- sign 100.214 ± 109.131 χ^2/NDF : 45.8/49

asym_atr_avg_correction_rms vs Slug



Right In: 4572.348+/-1.101 χ^2 /NDF: 2021324.6/21

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

Right Out: 70.314+/-0.077 χ^2 /NDF: 22788978.2/26

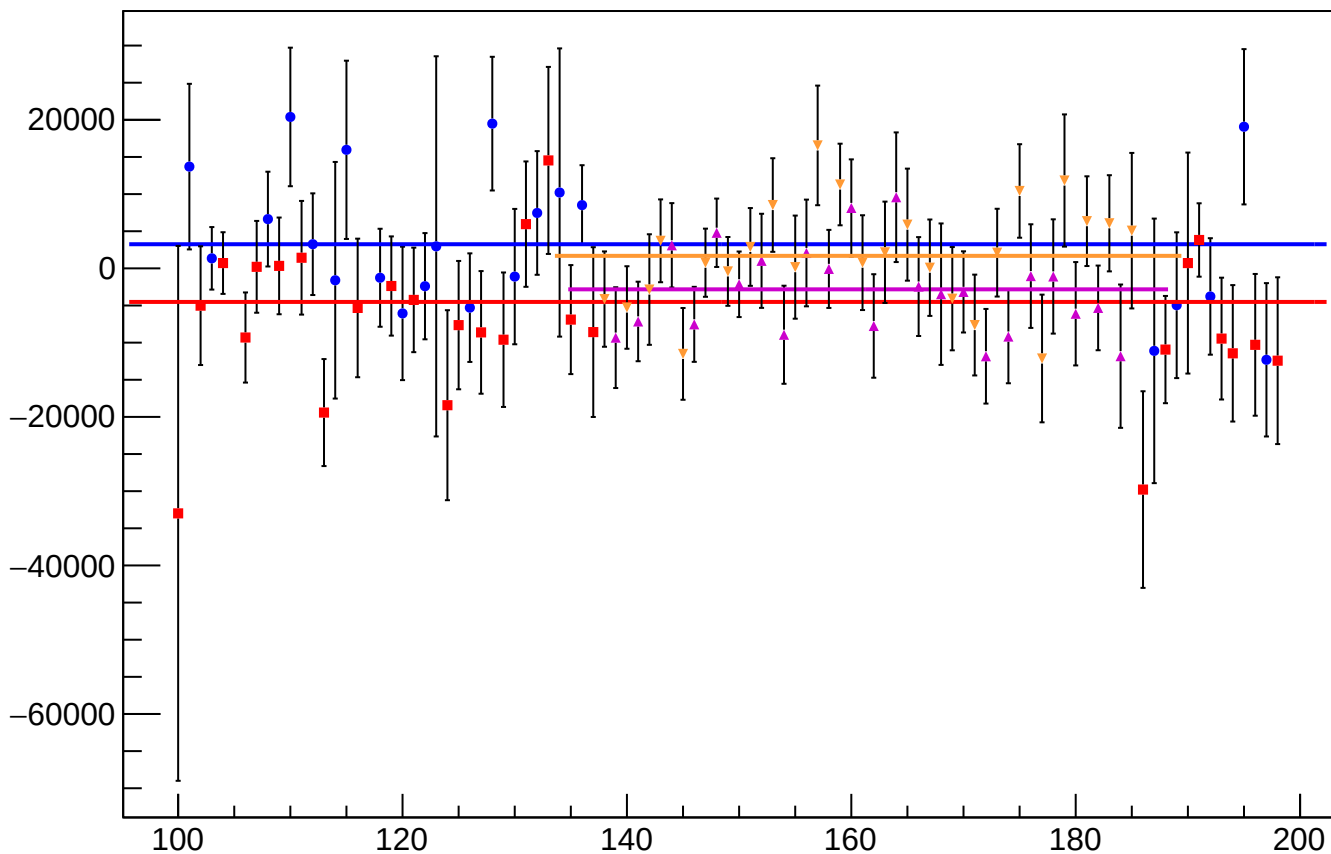
Left In: 4875.112+/-0.842 χ^2 /NDF:1229198.0/22

+ sign 4783.124+/-0.660 χ^2 /NDF: 3215479.7/46

All: 173.707+/-0.077 χ^2 /NDF: 108984994.4/5

- sign 110.662+/-0.077 χ^2 /NDF: 56301266.5/49

asym_atr_avg_mean vs Slug



Right In: 3250.049+/-1734.499 χ^2/NDF : 21.0/21

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -4519.109+/-1489.492 χ^2/NDF : 24.1/26

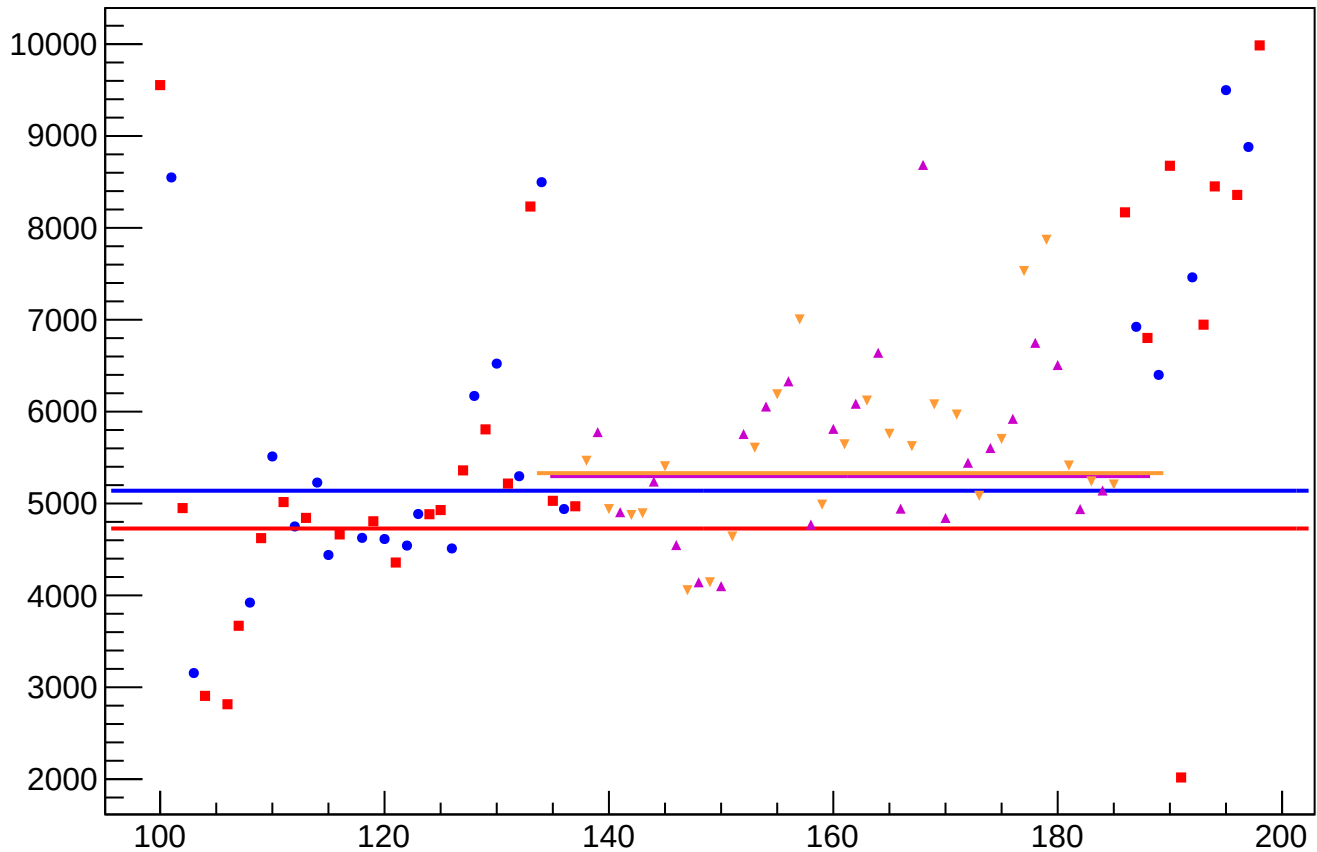
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2227.534+/-1020.287 χ^2/NDF : 47.0/46

All: -793.706+/-704.685 χ^2/NDF : 106.6/96

- sign -3549.539+/-974.443 χ^2/NDF : 42.9/49

asym_atr_avg_rms vs Slug



Right In: 5139.198+/-1.226 χ^2/NDF : 1743662.7/21

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

Right Out: 4727.948+/-1.049 χ^2/NDF : 3171142.6/26

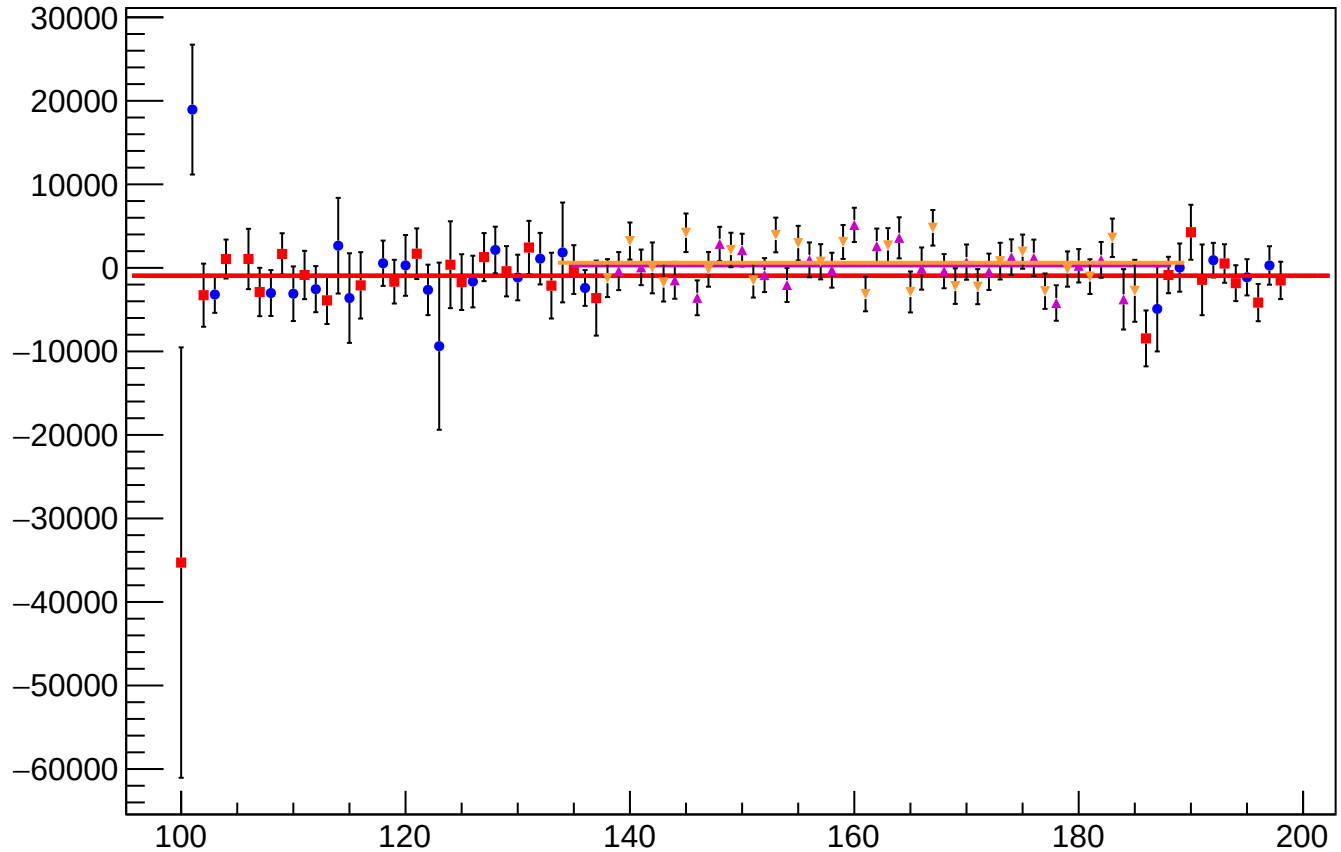
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5264.453+/-0.721 χ^2/NDF : 2627672.5/46

All: 5153.675+/-0.498 χ^2/NDF : 6968430.5/96

- sign 5053.002+/-0.688 χ^2/NDF : 4295753.9/49

reg_asym_atr_dd_mean vs Slug



Right In: -912.108 ± 633.644 χ^2/NDF : 15.3/21

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

Right Out: -974.475 ± 566.423 χ^2/NDF : 19.4/26

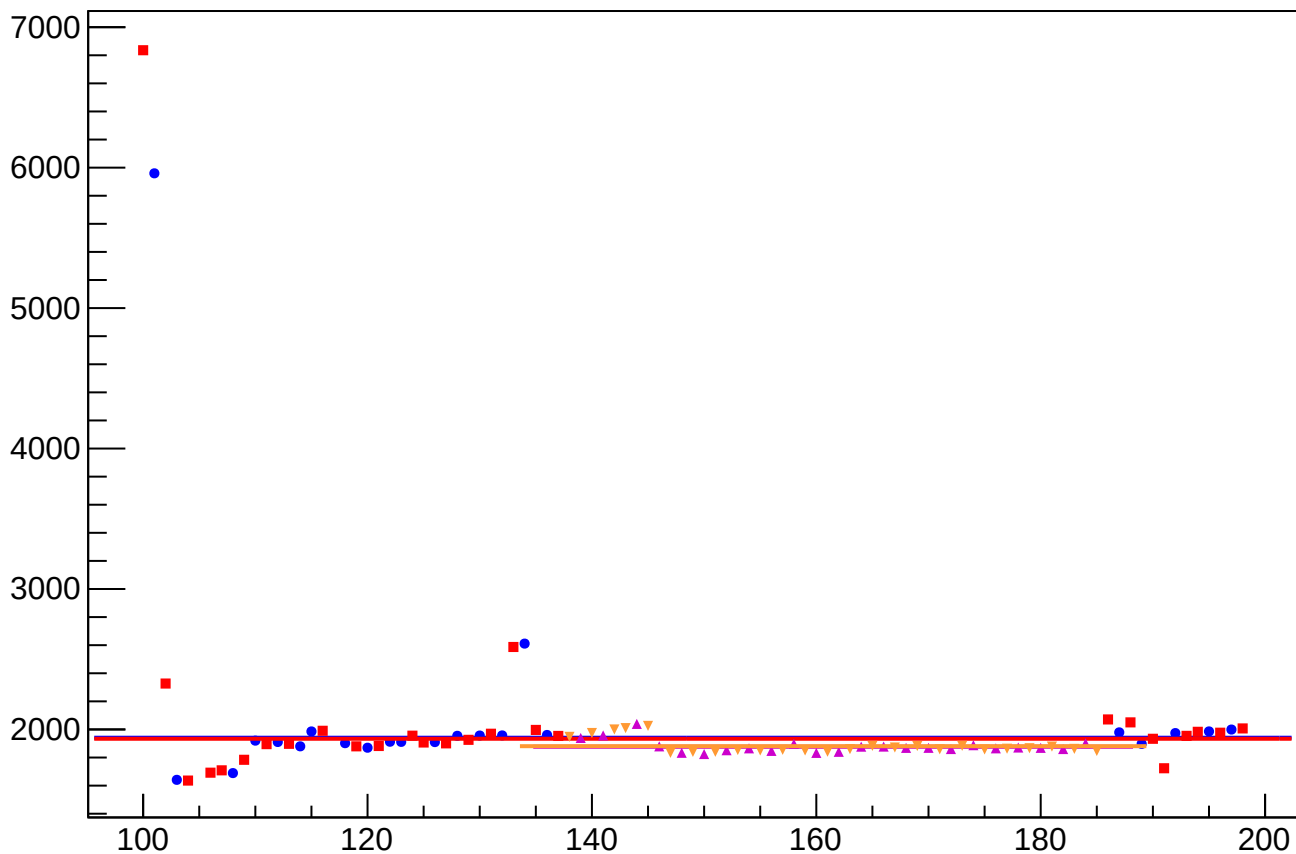
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign 119.029 ± 360.447 χ^2/NDF : 51.9/46

All: -42.601 ± 251.885 χ^2/NDF : 98.4/96

- sign -196.866 ± 352.137 χ^2/NDF : 46.1/49

reg_asym_atr_dd_rms vs Slug



Right In: 1941.080 $\pm$ 0.448 χ^2 /NDF: 619822.3/21

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1933.743 $\pm$ 0.400 χ^2 /NDF: 233351.8/26

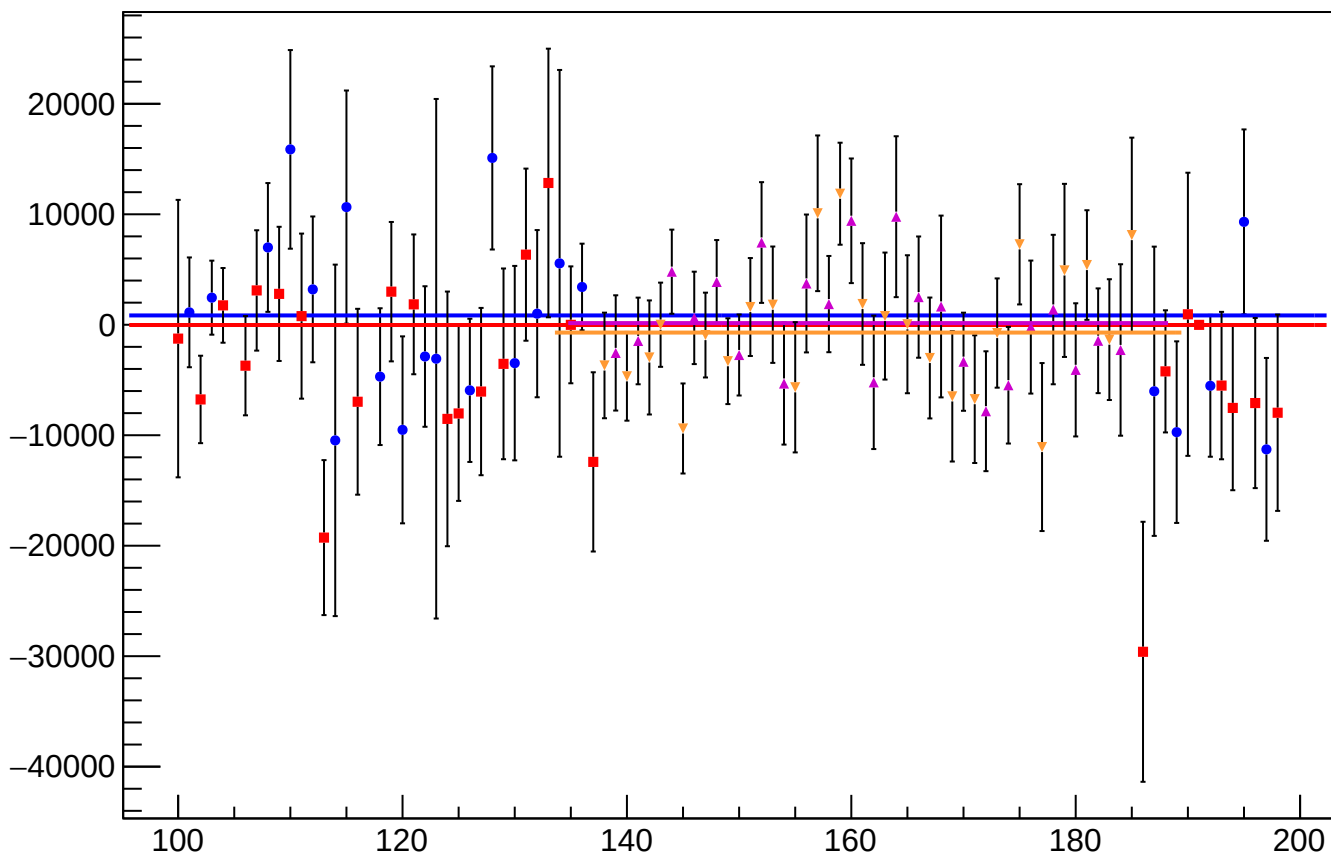
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1900.311 $\pm$ 0.255 χ^2 /NDF: 660717.7/46

All: 1899.525 $\pm$ 0.178 χ^2 /NDF: 927059.8/96

- sign 1898.775 $\pm$ 0.249 χ^2 /NDF: 266323.4/49

asym_atr_dd_correction_mean vs Slug



Right In: 844.000 $\pm$ 1436.331 χ^2 /NDF: 19.2/21

Left Out: -707.785 $\pm$ 1017.719 χ^2 /NDF: 27.1/24

Right Out: -22.400 $\pm$ 85.819 χ^2 /NDF: 29.7/26

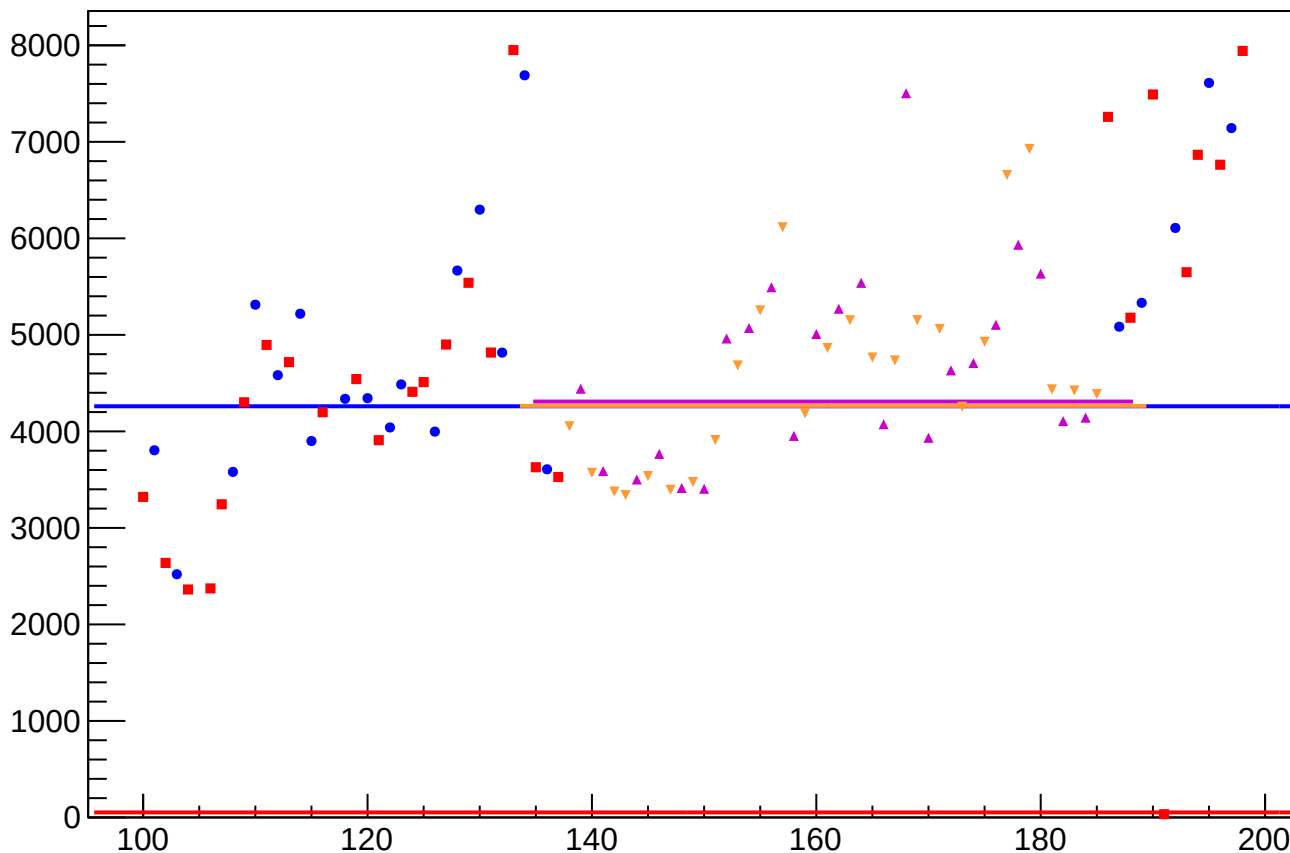
Left In: 150.495 $\pm$ 1053.655 χ^2 /NDF: 16.9/22

+ sign -189.112 $\pm$ 830.397 χ^2 /NDF: 47.1/46

All: -23.023 $\pm$ 85.086 χ^2 /NDF: 93.7/96

- sign -21.261 $\pm$ 85.536 χ^2 /NDF: 46.6/49

asym_atr_dd_correction_rms vs Slug



Right In: 4260.199 $\pm$ 1.016 χ^2/NDF : 1710480.0/21

Left Out: 4264.433 $\pm$ 0.720 χ^2/NDF : 1354900.8/24

Right Out: 52.041 $\pm$ 0.061 χ^2/NDF : 22922087.6/26

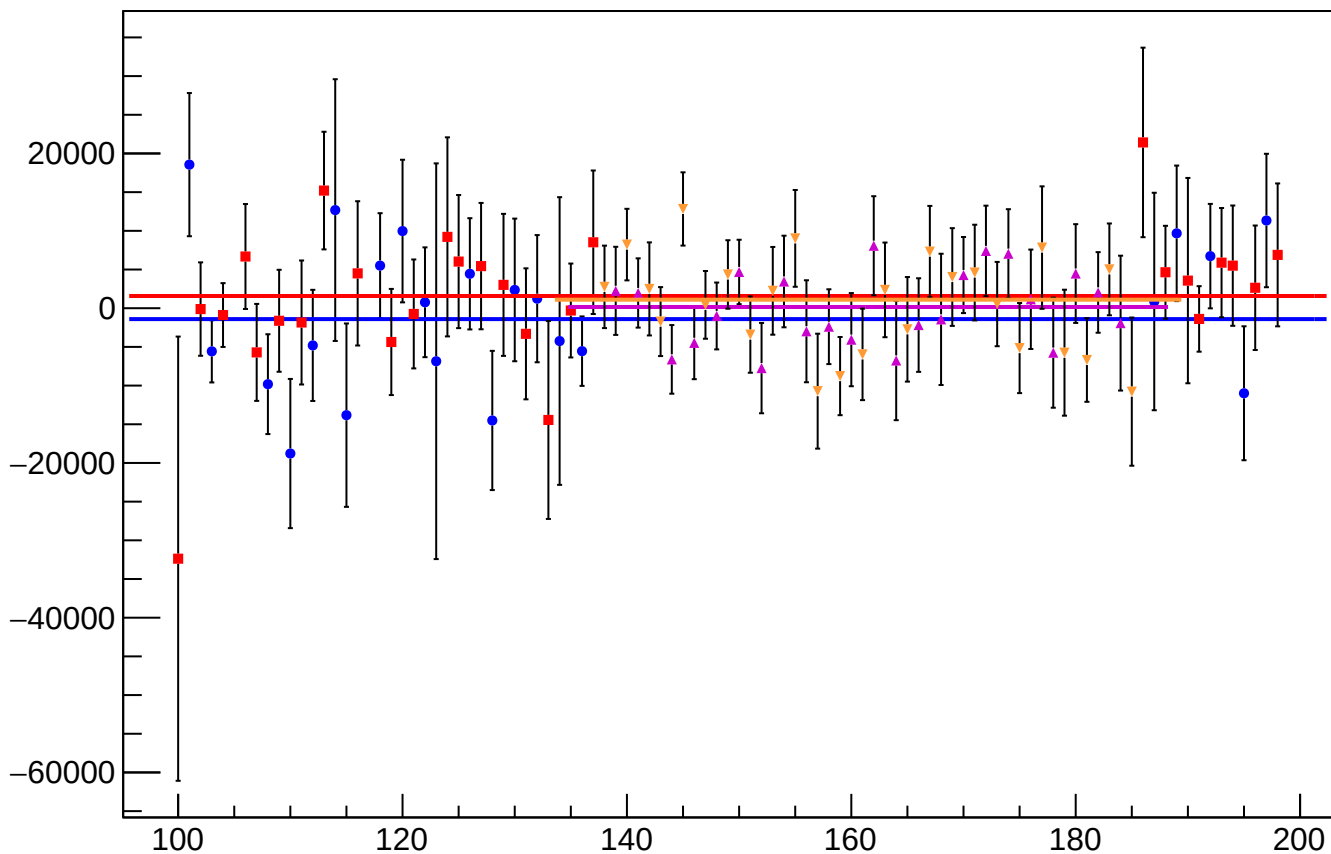
Left In: 4309.034 $\pm$ 0.745 χ^2/NDF : 1305133.3/22

+ sign 4263.018 $\pm$ 0.587 χ^2/NDF : 3065392.4/46

All: 124.011 $\pm$ 0.060 χ^2/NDF : 109939249.1/5

- sign 80.095 $\pm$ 0.060 χ^2/NDF : 56658741.0/49

asym_atr_dd_mean vs Slug



Right In: -1407.483 ± 1641.888 χ^2/NDF : 25.8/21

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1580.111 ± 1402.399 χ^2/NDF : 16.1/26

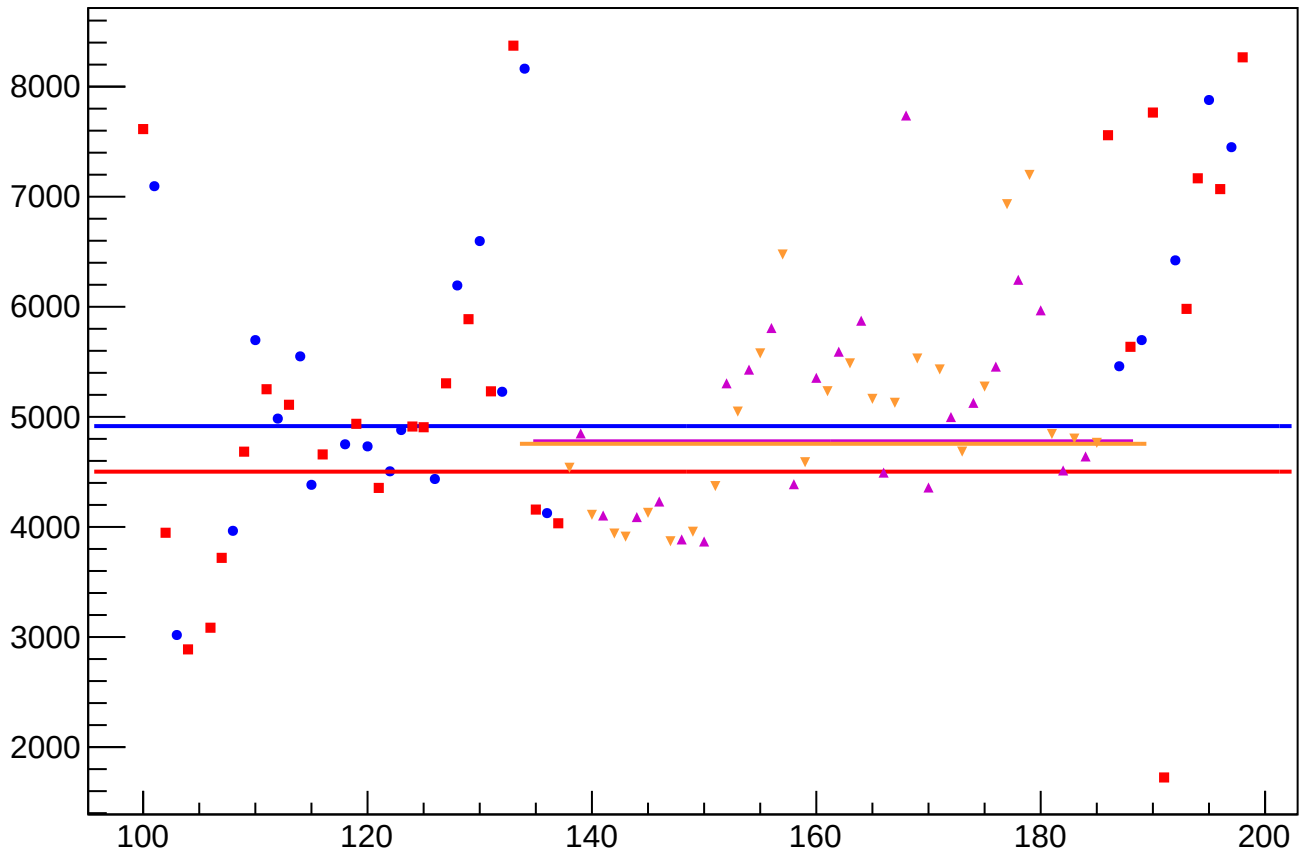
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 298.777 ± 928.981 χ^2/NDF : 56.0/46

All: 526.171 ± 644.366 χ^2/NDF : 88.4/96

- sign 737.016 ± 894.536 χ^2/NDF : 32.3/49

asym_atr_dd_rms vs Slug



Right In: 4916.112 $\pm$ 1.161 χ^2 /NDF: 1396145.8/21

Left Out: 4755.383 $\pm$ 0.797 χ^2 /NDF: 953328.0/24

+ sign 4806.837 $\pm$ 0.657 χ^2 /NDF: 2362504.0/46

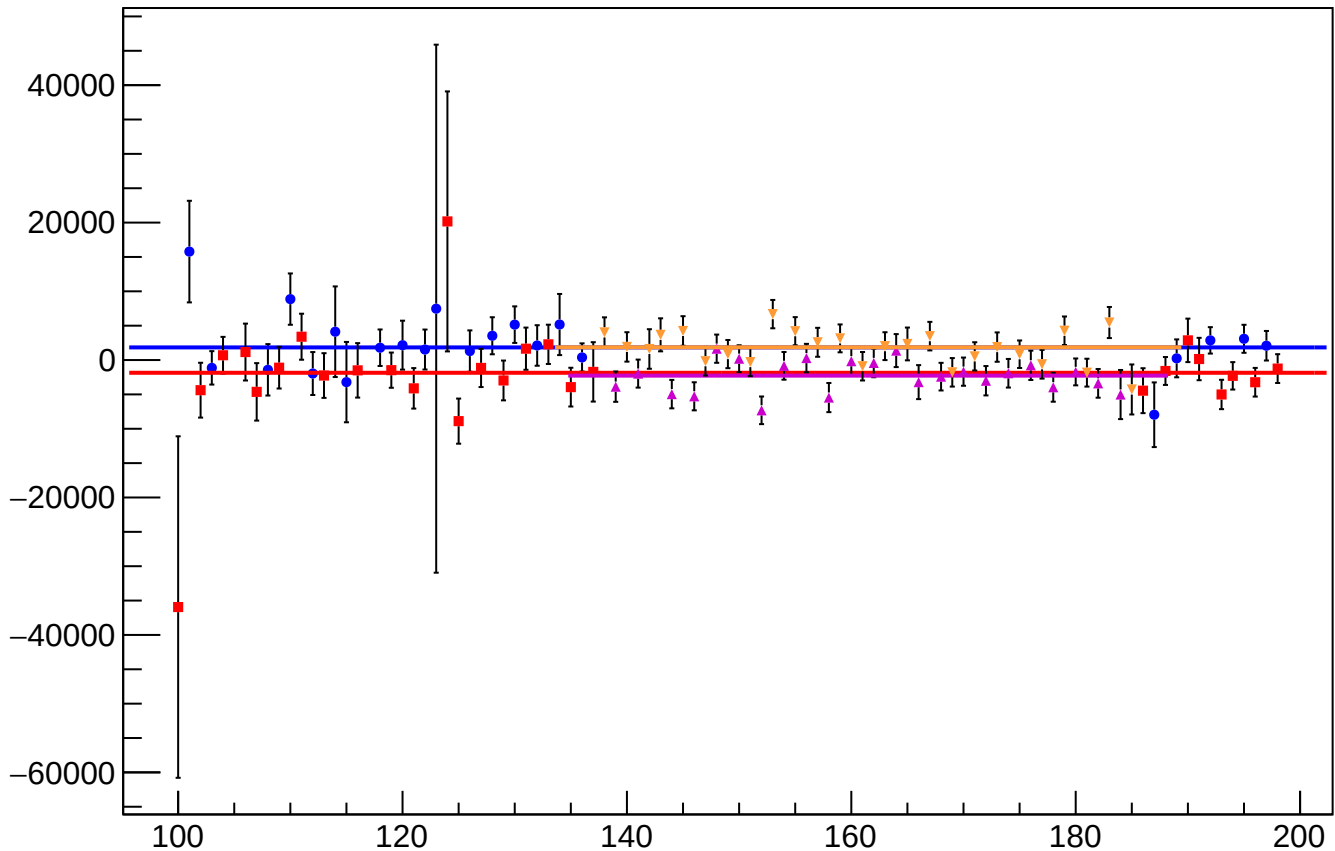
Right Out: 4502.311 $\pm$ 0.988 χ^2 /NDF: 2840088.2/26

All: 4733.244 $\pm$ 0.455 χ^2 /NDF: 6223031.9/96

Left In: 4777.831 $\pm$ 0.821 χ^2 /NDF: 950291.2/22

- sign 4665.220 $\pm$ 0.632 χ^2 /NDF: 3836375.0/49

reg_asym_at1_avg_mean vs Slug



Right In: 1838.684 ± 629.462 χ^2/NDF : 20.2/21

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

Right Out: -1853.658 ± 562.142 χ^2/NDF : 23.5/26

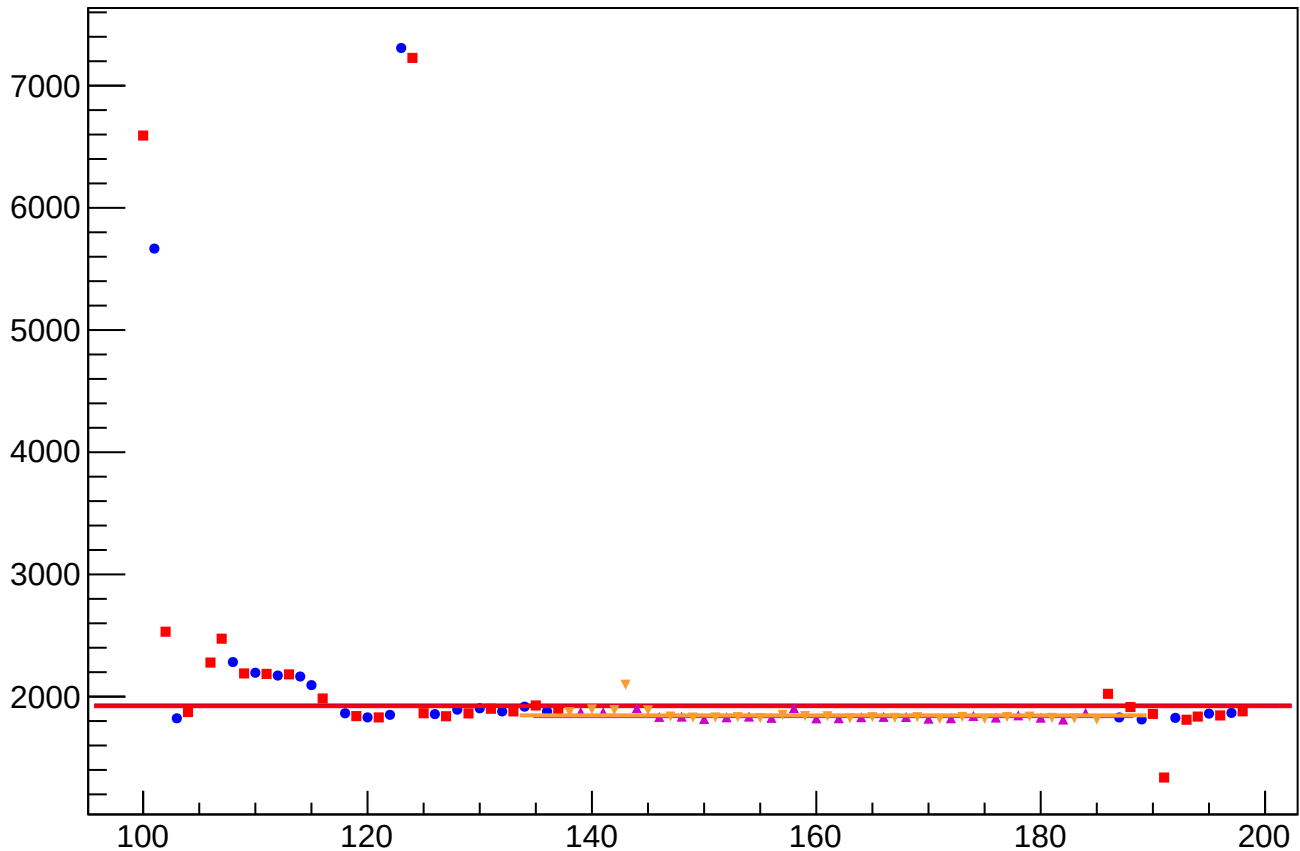
Left In: -2268.464 ± 441.710 χ^2/NDF : 26.9/22

+ sign 1850.861 ± 355.611 χ^2/NDF : 50.1/46

All: -176.361 ± 248.471 χ^2/NDF : 164.3/96

- sign -2110.119 ± 347.317 χ^2/NDF : 50.7/49

reg_asym_at1_avg_rms vs Slug



Right In: 1927.101+/-0.445 χ^2/NDF : 620395.2/21

Left Out: 1846.602+/-0.305 χ^2/NDF : 27302.8/24

Right Out: 1921.777+/-0.397 χ^2/NDF : 461366.8/26

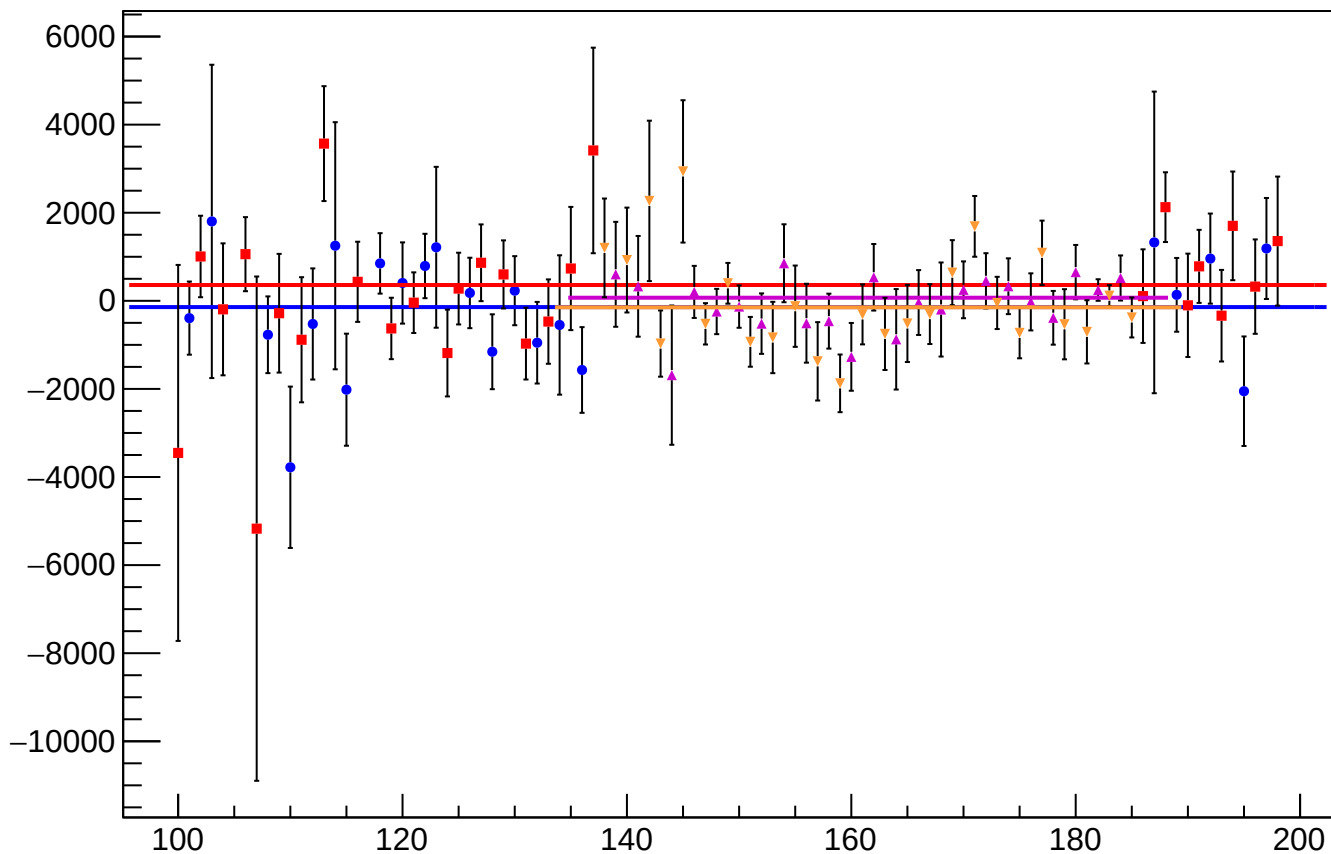
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1872.294+/-0.251 χ^2/NDF : 669968.0/46

All: 1871.914+/-0.176 χ^2/NDF : 1163902.4/96

- sign 1871.552+/-0.246 χ^2/NDF : 493930.0/49

asym_at1_avg_correction_mean vs Slug



Right In: -142.236 $\pm$ 217.893 χ^2/NDF : 21.9/21

Left Out: -146.999 $\pm$ 121.984 χ^2/NDF : 37.7/24

Right Out: 358.852 $\pm$ 194.170 χ^2/NDF : 28.1/26

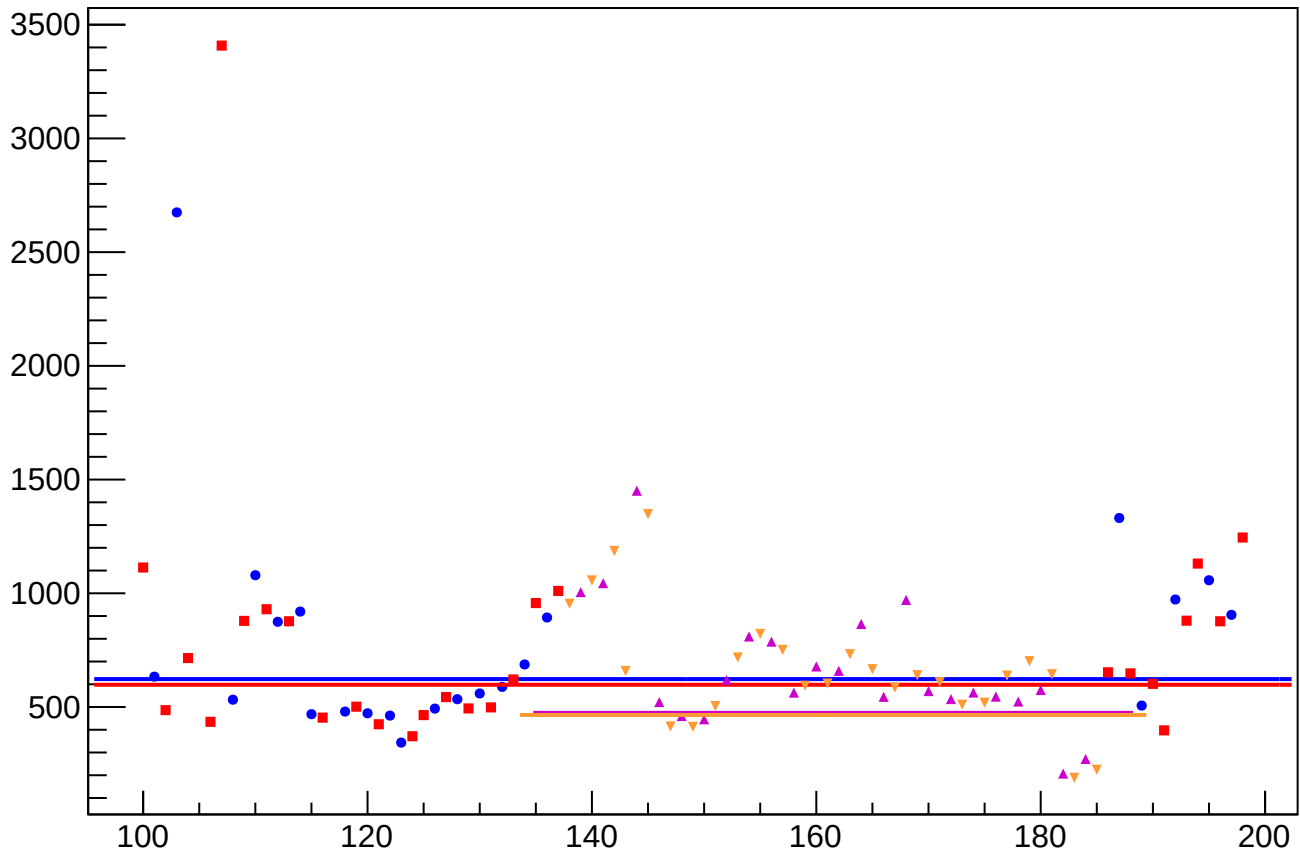
Left In: 70.340 $\pm$ 126.373 χ^2/NDF : 12.3/22

+ sign -145.862 $\pm$ 106.439 χ^2/NDF : 59.6/46

All: 5.906 $\pm$ 75.078 χ^2/NDF : 105.6/96

- sign 156.187 $\pm$ 105.916 χ^2/NDF : 41.9/49

asym_at1_avg_correction_rms vs Slug



Right In: 622.752+/-0.154 χ^2/NDF : 2199148.0/21

Left Out: 465.080+/-0.086 χ^2/NDF : 7086137.6/24

Right Out: 597.835+/-0.137 χ^2/NDF : 2737009.4/26

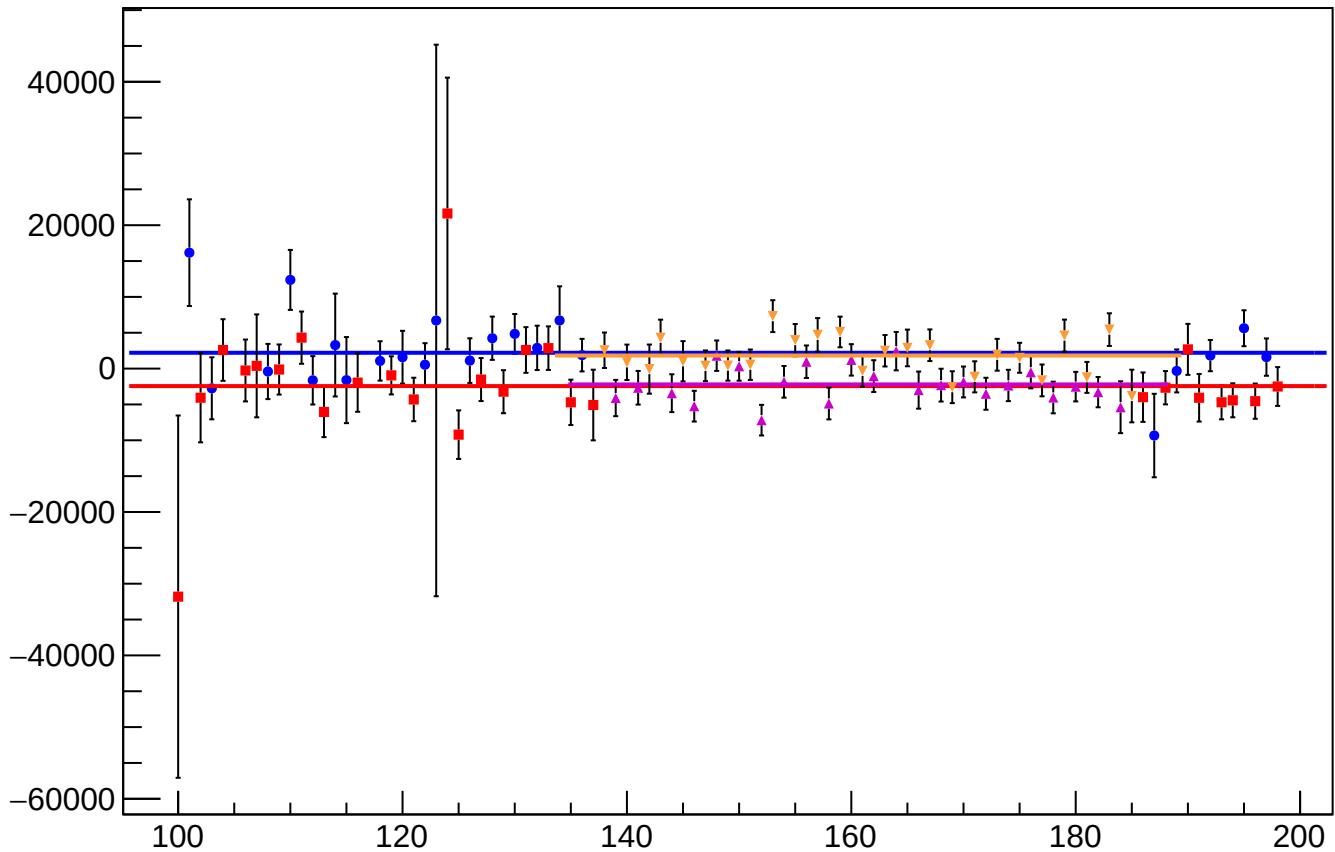
Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

+ sign 502.705+/-0.075 χ^2/NDF : 10082632.5/46

All: 506.889+/-0.053 χ^2/NDF : 19567904.4/96

- sign 511.031+/-0.075 χ^2/NDF : 9479122.0/49

asym_at1_avg_mean vs Slug



Right In: 2207.104+/-708.490 χ^2/NDF : 22.5/21

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

Right Out: -2439.694+/-637.504 χ^2/NDF : 25.8/26

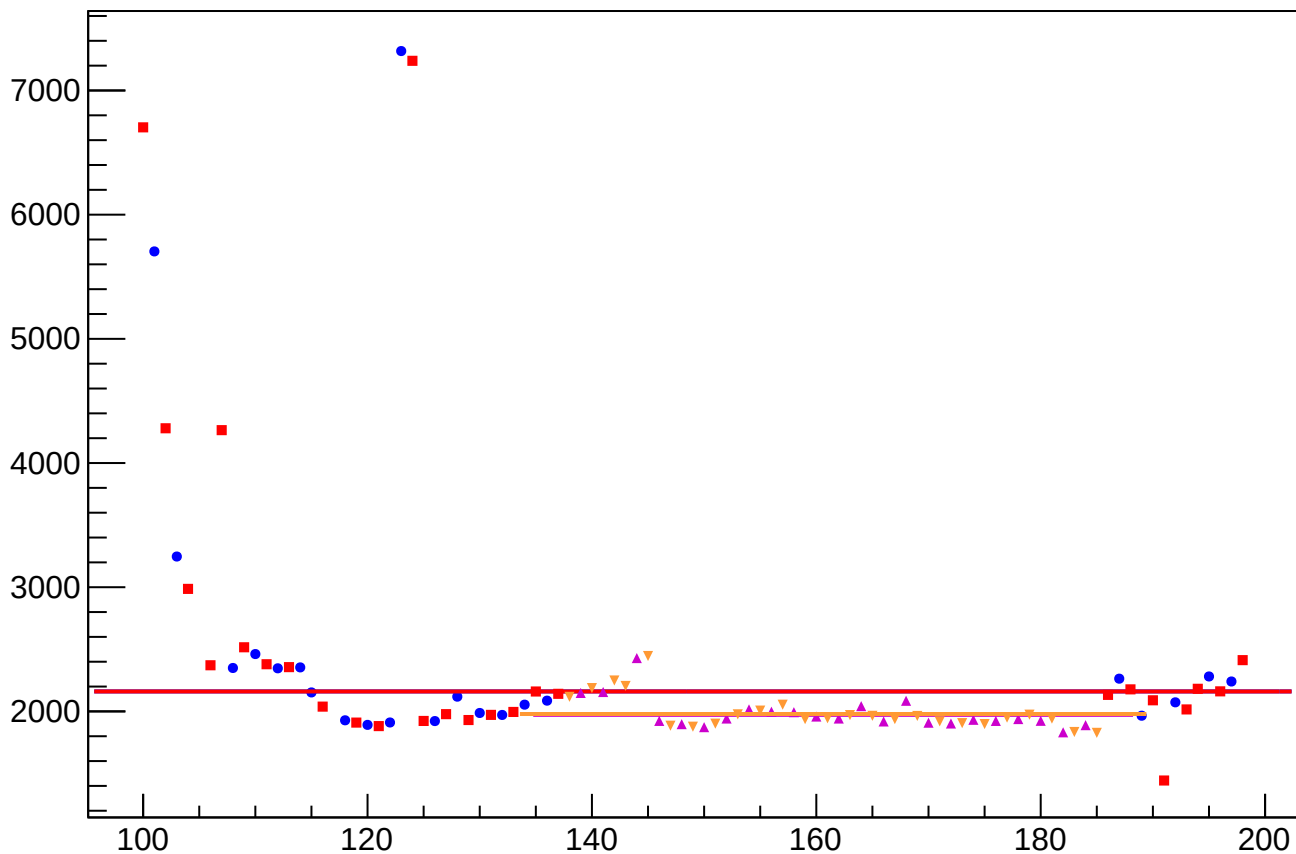
Left In: -2208.114+/-474.050 χ^2/NDF : 25.3/22

+ sign 1938.588+/-387.398 χ^2/NDF : 54.8/46

All: -214.507+/-271.426 χ^2/NDF : 166.7/96

- sign -2290.571+/-380.405 χ^2/NDF : 51.2/49

asym_at1_avg_rms vs Slug



Right In: 2160.867+/-0.501 χ^2/NDF : 726764.0/21

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

Right Out: 2160.599+/-0.451 χ^2/NDF : 923603.8/26

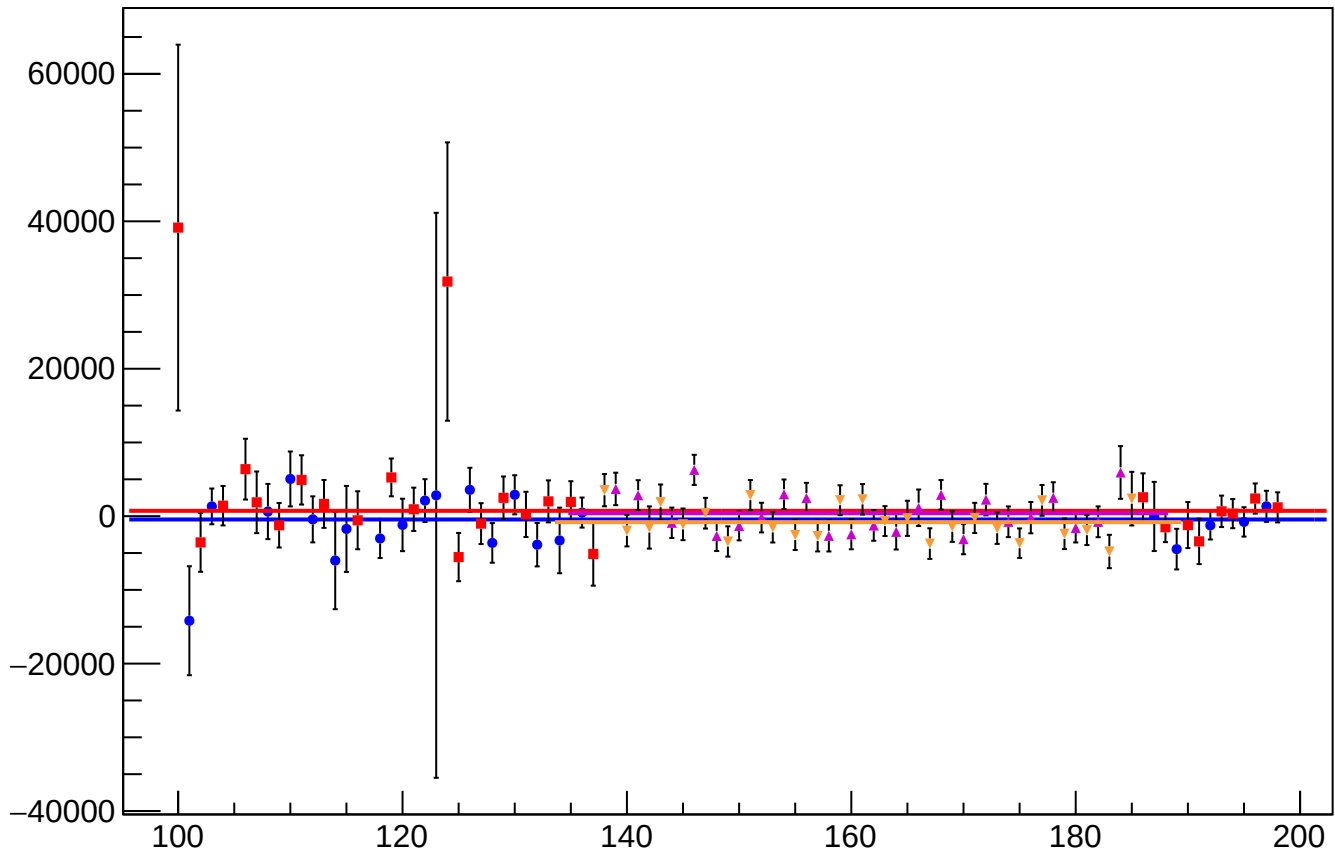
Left In: 1972.166+/-0.335 χ^2/NDF : 116452.5/22

+ sign 2033.373+/-0.274 χ^2/NDF : 958451.1/46

All: 2036.371+/-0.192 χ^2/NDF : 2111260.7/96

- sign 2039.260+/-0.269 χ^2/NDF : 1152574.5/49

reg_asym_at1_dd_mean vs Slug



Right In: -448.168+/-625.889 χ^2/NDF : 18.6/21

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

Right Out: 724.638+/-558.623 χ^2/NDF : 24.8/26

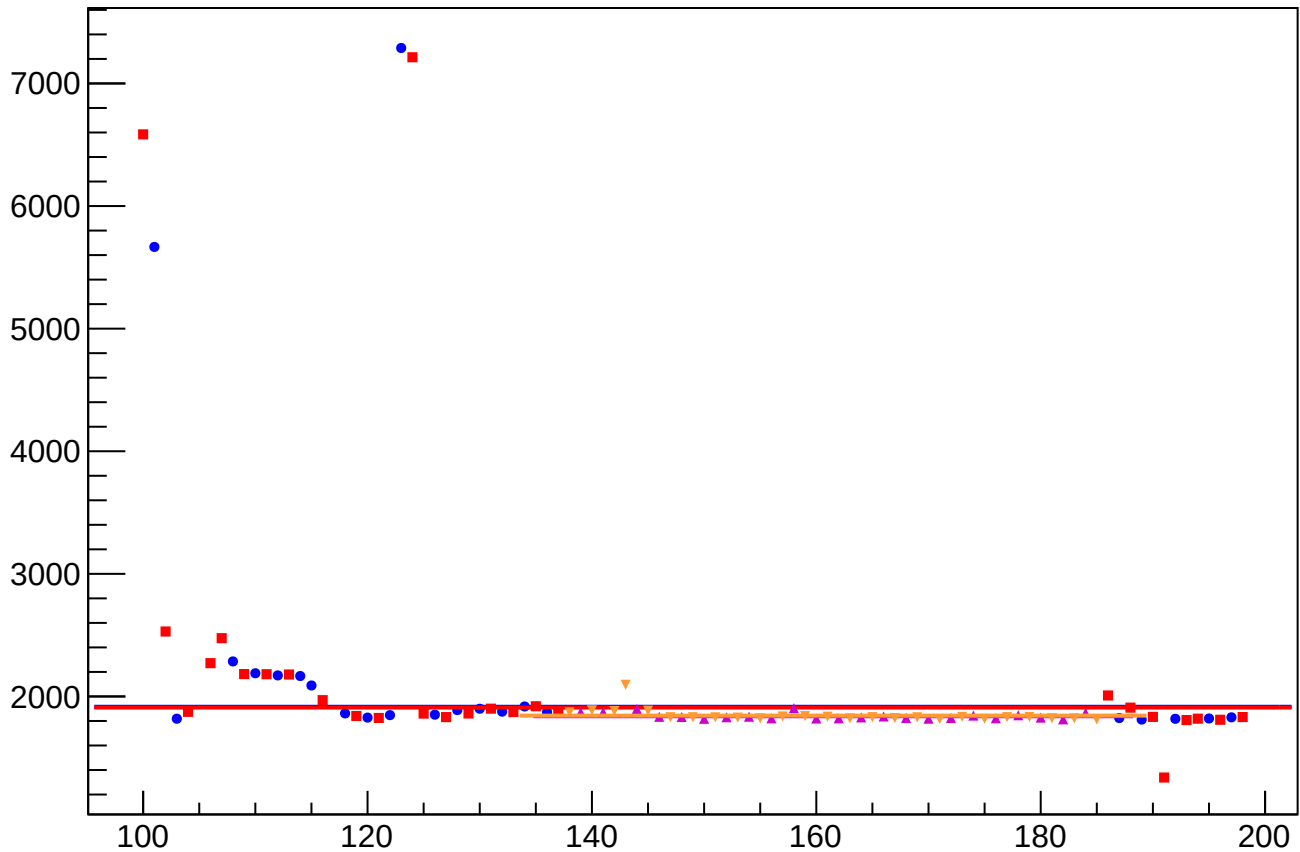
Left In: 398.797+/-441.246 χ^2/NDF : 34.4/22

+ sign -692.804+/-354.587 χ^2/NDF : 46.8/46

All: -69.950+/-247.733 χ^2/NDF : 112.2/96

- sign 523.987+/-346.258 χ^2/NDF : 59.4/49

reg_asym_at1_dd_rms vs Slug



Right In: 1915.766 $\pm$ 0.443 χ^2 /NDF: 628340.2/21

Left Out: 1843.747 $\pm$ 0.304 χ^2 /NDF: 26867.4/24

Right Out: 1909.522 $\pm$ 0.395 χ^2 /NDF: 467588.0/26

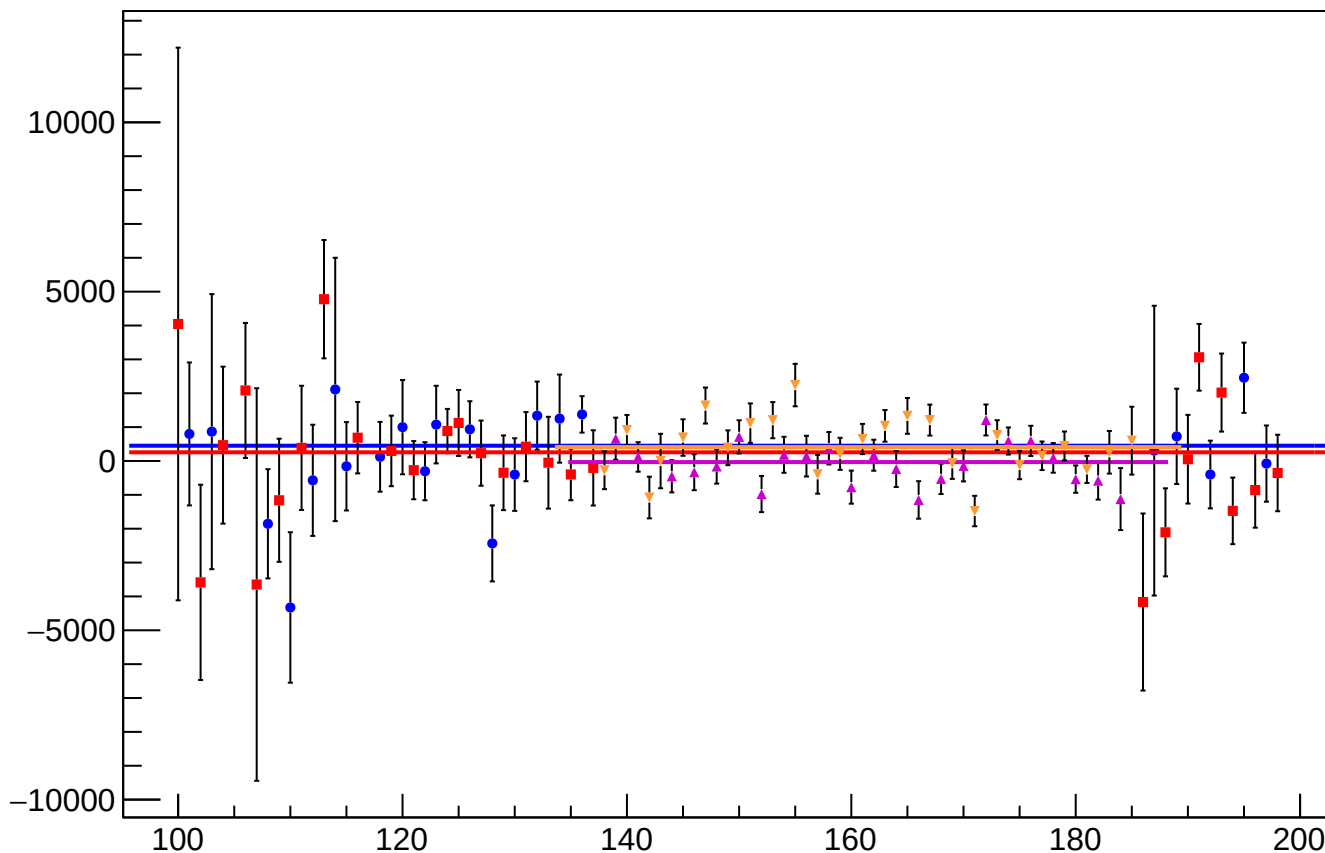
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF: 6335.1/22

+ sign 1866.862 $\pm$ 0.251 χ^2 /NDF: 673189.1/46

All: 1866.347 $\pm$ 0.175 χ^2 /NDF: 1166965.4/96

- sign 1865.855 $\pm$ 0.245 χ^2 /NDF: 493768.1/49

asym_at1_dd_correction_mean vs Slug



Right In: 450.408 $\pm$ 243.227 χ^2 /NDF: 25.2/21

Left Out: 411.072 $\pm$ 100.456 χ^2 /NDF: 61.2/24

Right Out: 256.400 $\pm$ 224.883 χ^2 /NDF: 35.2/26

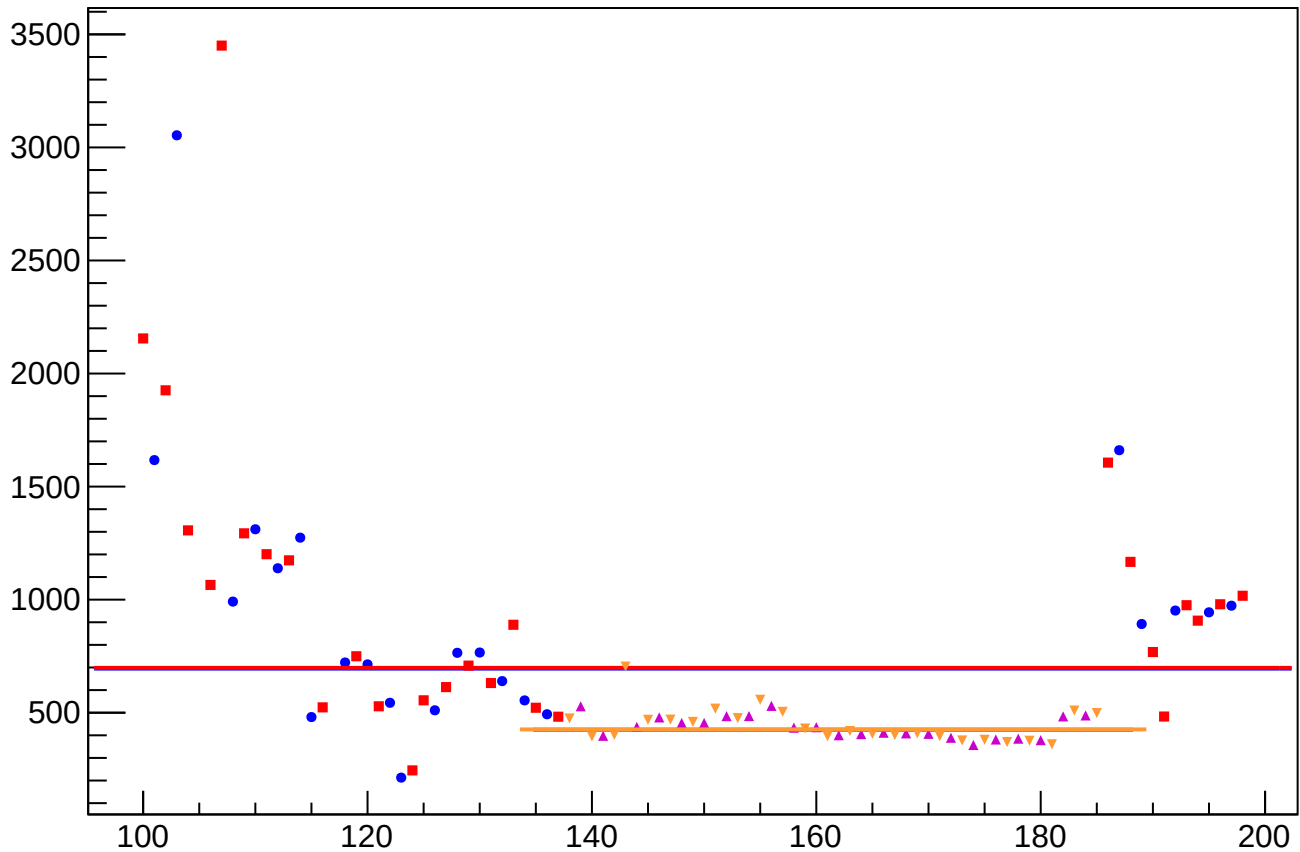
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF: 32.7/22

+ sign 416.804 $\pm$ 92.849 χ^2 /NDF: 86.4/46

All: 217.724 $\pm$ 65.776 χ^2 /NDF: 165.0/96

- sign 17.153 $\pm$ 93.196 χ^2 /NDF: 69.3/49

asym_at1_dd_correction_rms vs Slug



Right In: 695.208 ± 0.172 χ^2/NDF : 2877000.0/21

Left Out: 426.027 ± 0.071 χ^2/NDF : 733072.9/24

Right Out: 698.225 ± 0.159 χ^2/NDF : 4081719.6/26

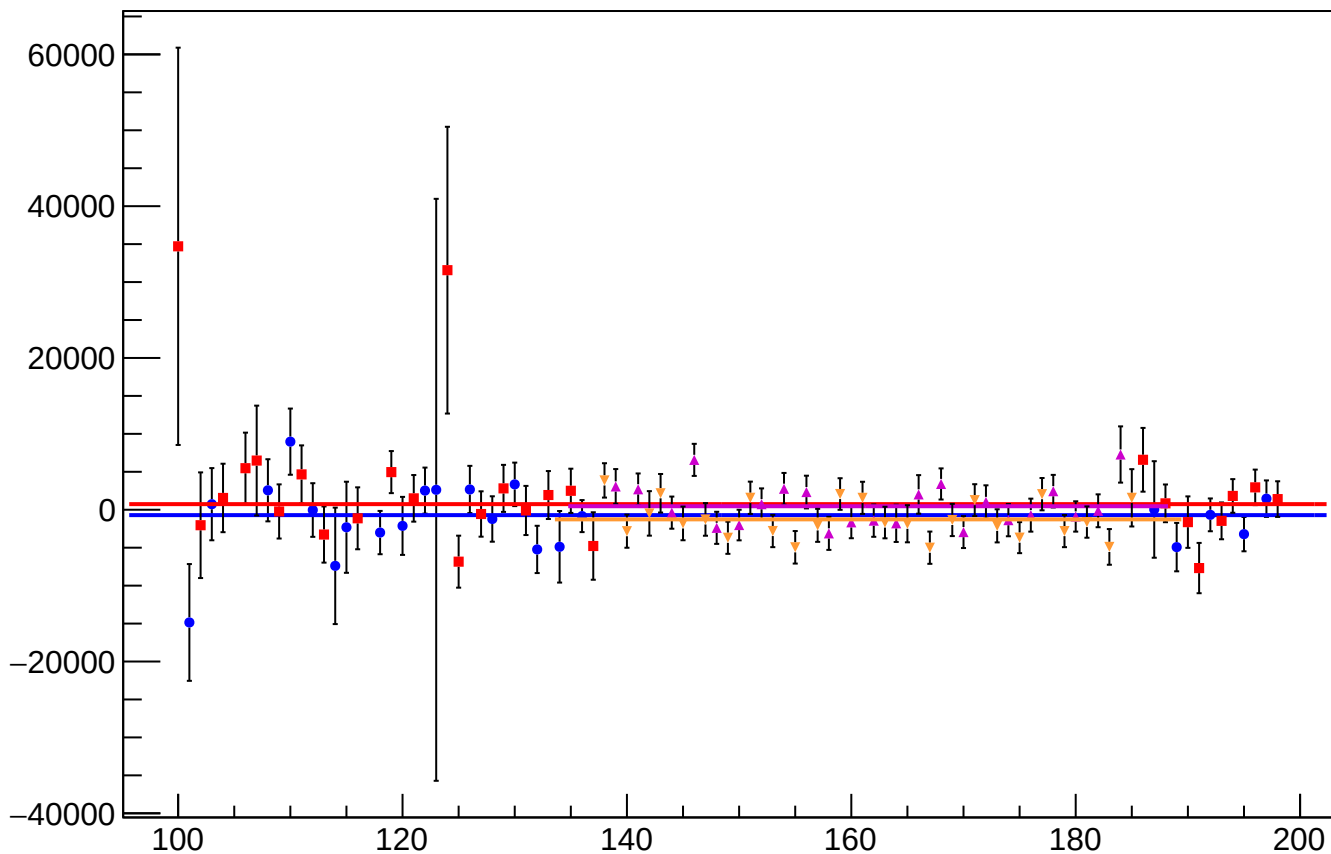
Left In: 424.639 ± 0.072 χ^2/NDF : 391611.2/22

+ sign 465.253 ± 0.066 χ^2/NDF : 5702711.7/46

All: 468.427 ± 0.047 χ^2/NDF : 12632460.1/96

- sign 471.625 ± 0.066 χ^2/NDF : 6925056.2/49

asym_at1_dd_mean vs Slug



Right In: -709.454 ± 704.703 χ^2/NDF : 21.7/21

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 738.739 ± 638.297 χ^2/NDF : 29.7/26

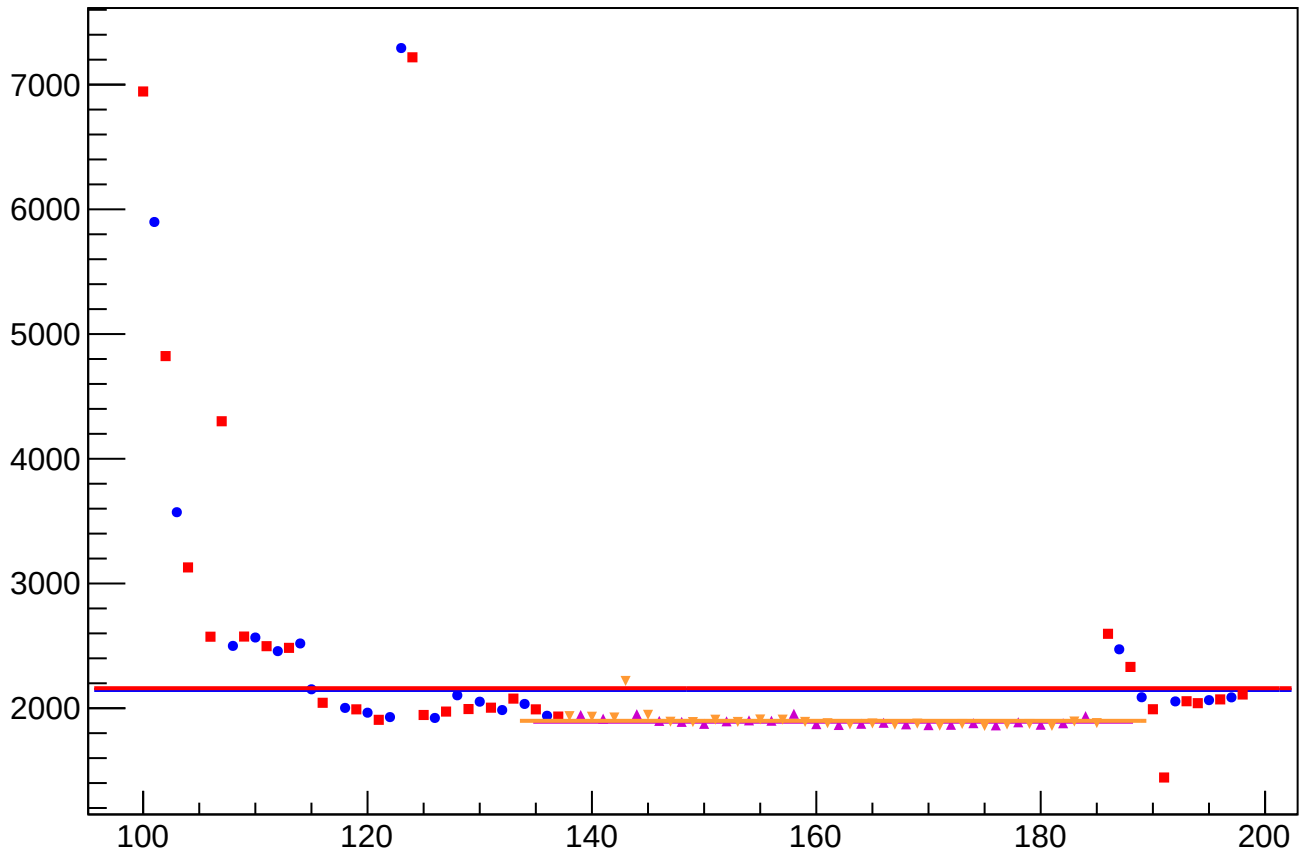
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1109.599 ± 375.182 χ^2/NDF : 53.0/46

All: -265.396 ± 263.419 χ^2/NDF : 125.3/96

- sign 555.353 ± 369.934 χ^2/NDF : 62.3/49

asym_at1_dd_rms vs Slug



Right In: 2146.276 $\pm$ 0.498 χ^2 /NDF: 817057.6/21

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2160.433 $\pm$ 0.451 χ^2 /NDF: 1048491.3/26

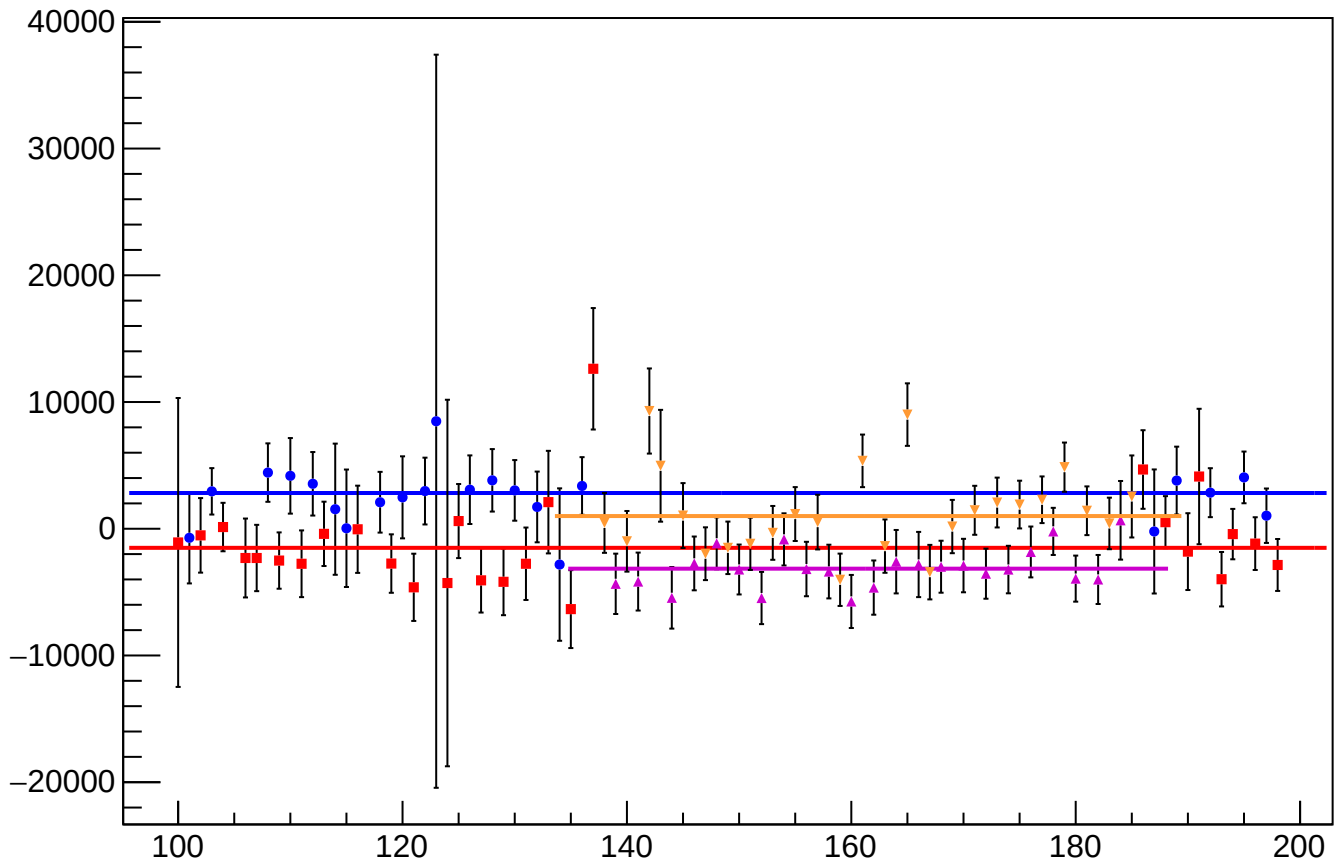
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1969.062 $\pm$ 0.265 χ^2 /NDF: 1032246.4/46

All: 1975.602 $\pm$ 0.186 χ^2 /NDF: 2324801.0/96

- sign 1981.961 $\pm$ 0.262 χ^2 /NDF: 1291356.0/49

reg_asym_at2_avg_mean vs Slug



Right In: 2820.229 ± 571.133 χ^2/NDF : 5.2/21

Left Out: 1001.263 ± 435.247 χ^2/NDF : 44.6/24

Right Out: -1505.959 ± 517.041 χ^2/NDF : 26.4/26

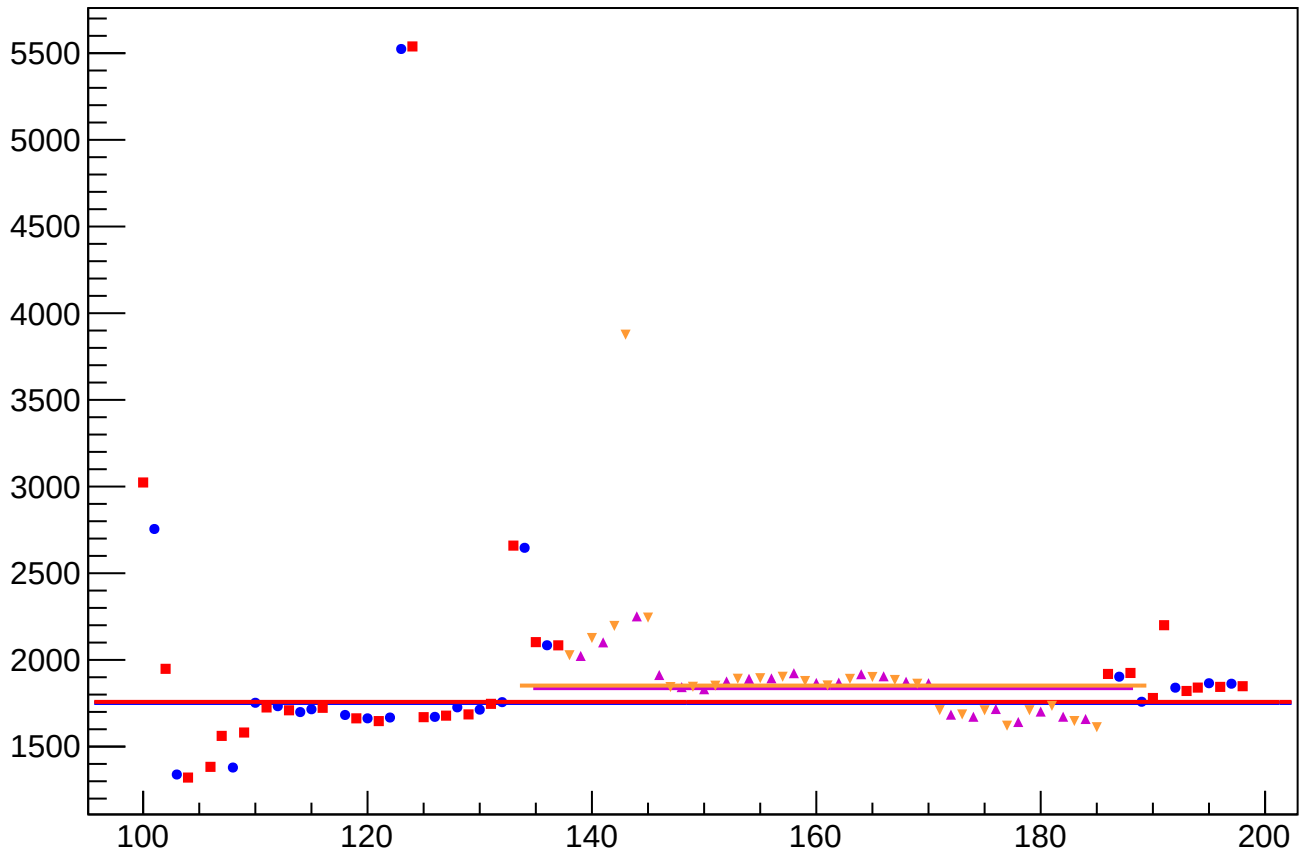
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1669.538 ± 346.181 χ^2/NDF : 56.2/46

All: -458.128 ± 240.956 χ^2/NDF : 173.6/96

- sign -2457.642 ± 335.593 χ^2/NDF : 44.1/49

reg_asym_at2_avg_rms vs Slug



Right In: 1751.686 $\pm$ 0.404 χ^2 /NDF: 456247.3/21

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1757.932 $\pm$ 0.366 χ^2 /NDF: 519035.7/26

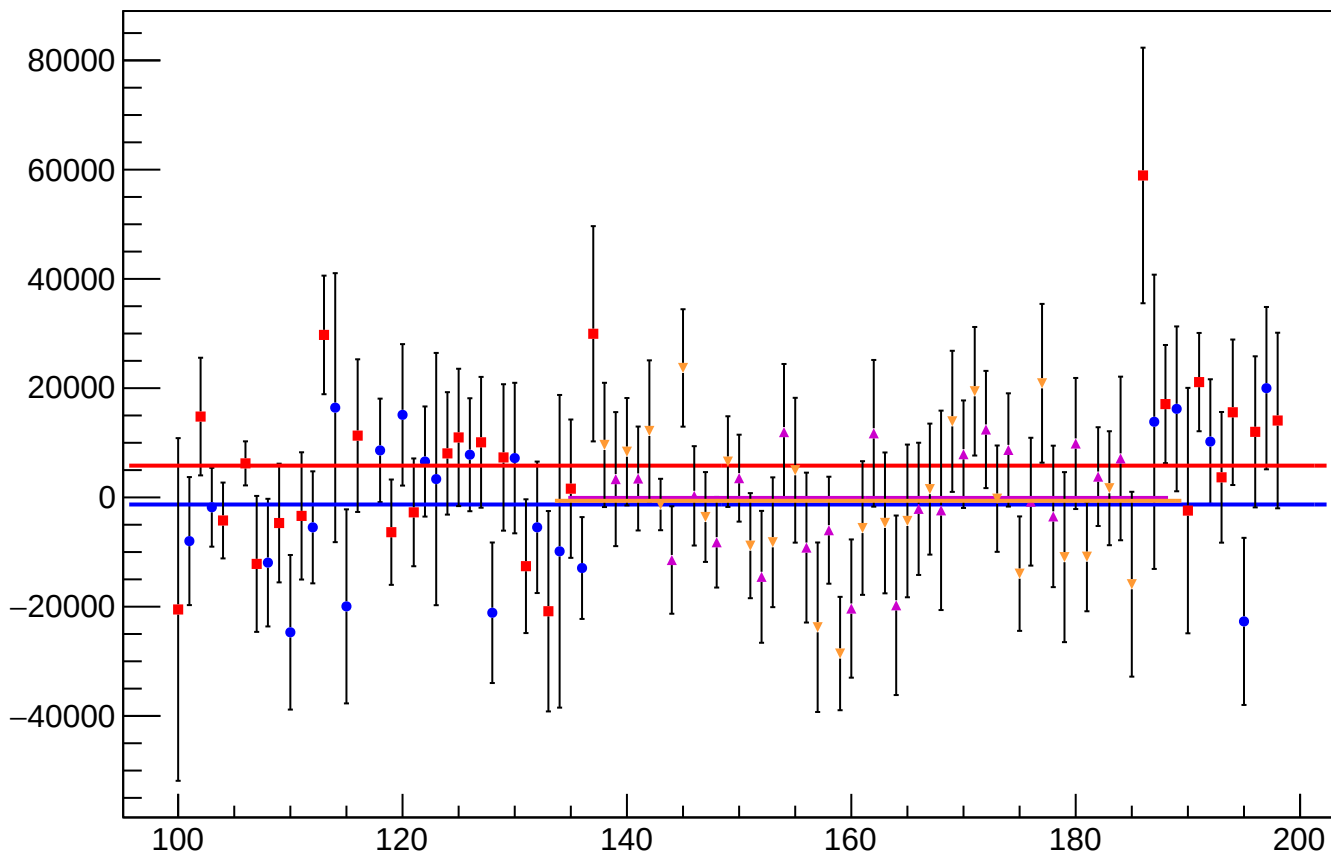
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1815.119 $\pm$ 0.245 χ^2 /NDF: 1144200.9/46

All: 1809.272 $\pm$ 0.170 χ^2 /NDF: 1892028.3/96

- sign 1803.777 $\pm$ 0.237 χ^2 /NDF: 746720.5/49

asym_at2_avg_correction_mean vs Slug



Right In: -1296.893 ± 2630.410 χ^2/NDF : 21.0/21

Left Out: -619.372 ± 2069.686 χ^2/NDF : 30.1/24

Right Out: 5818.403 ± 2038.944 χ^2/NDF : 31.1/26

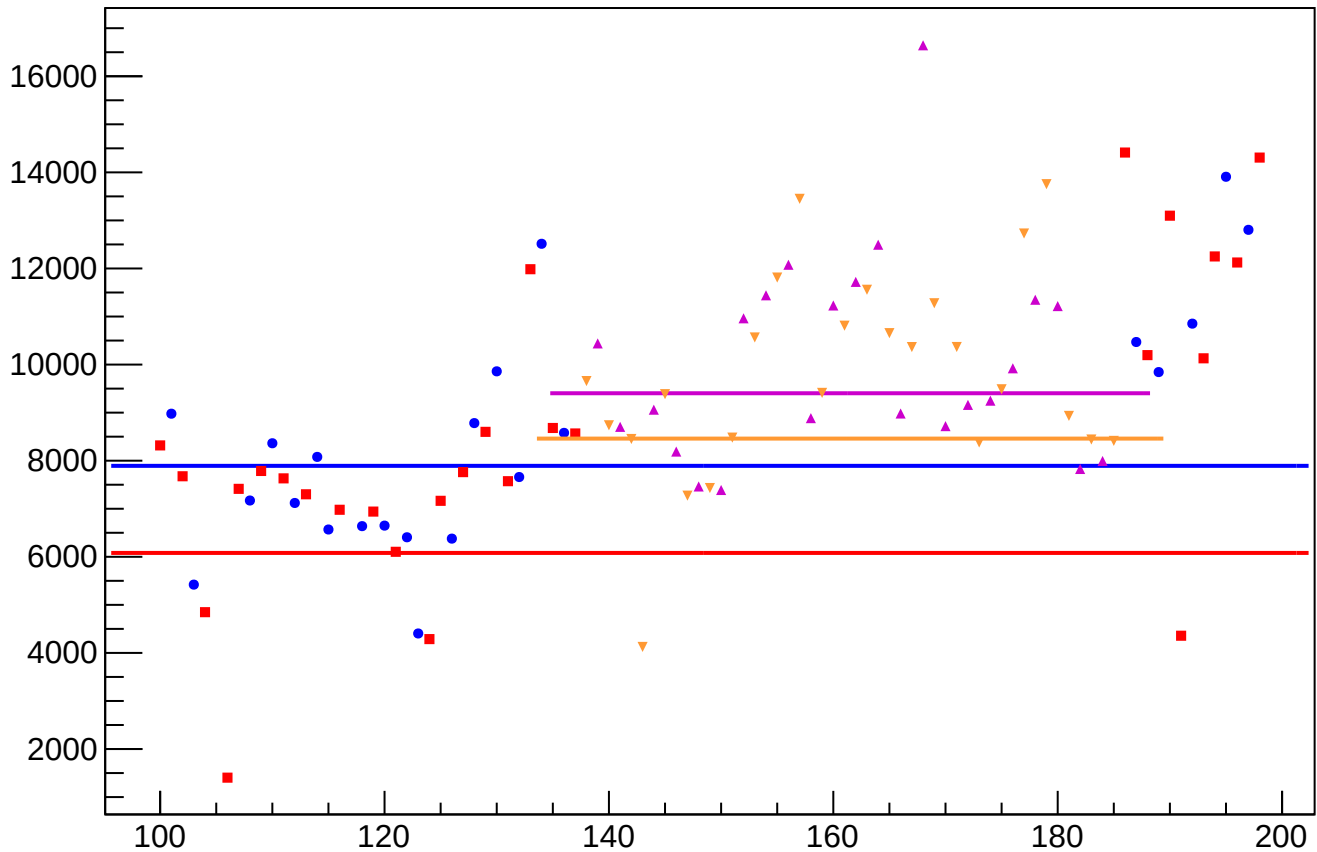
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign -878.438 ± 1626.550 χ^2/NDF : 51.2/46

All: 1298.334 ± 1112.091 χ^2/NDF : 104.0/96

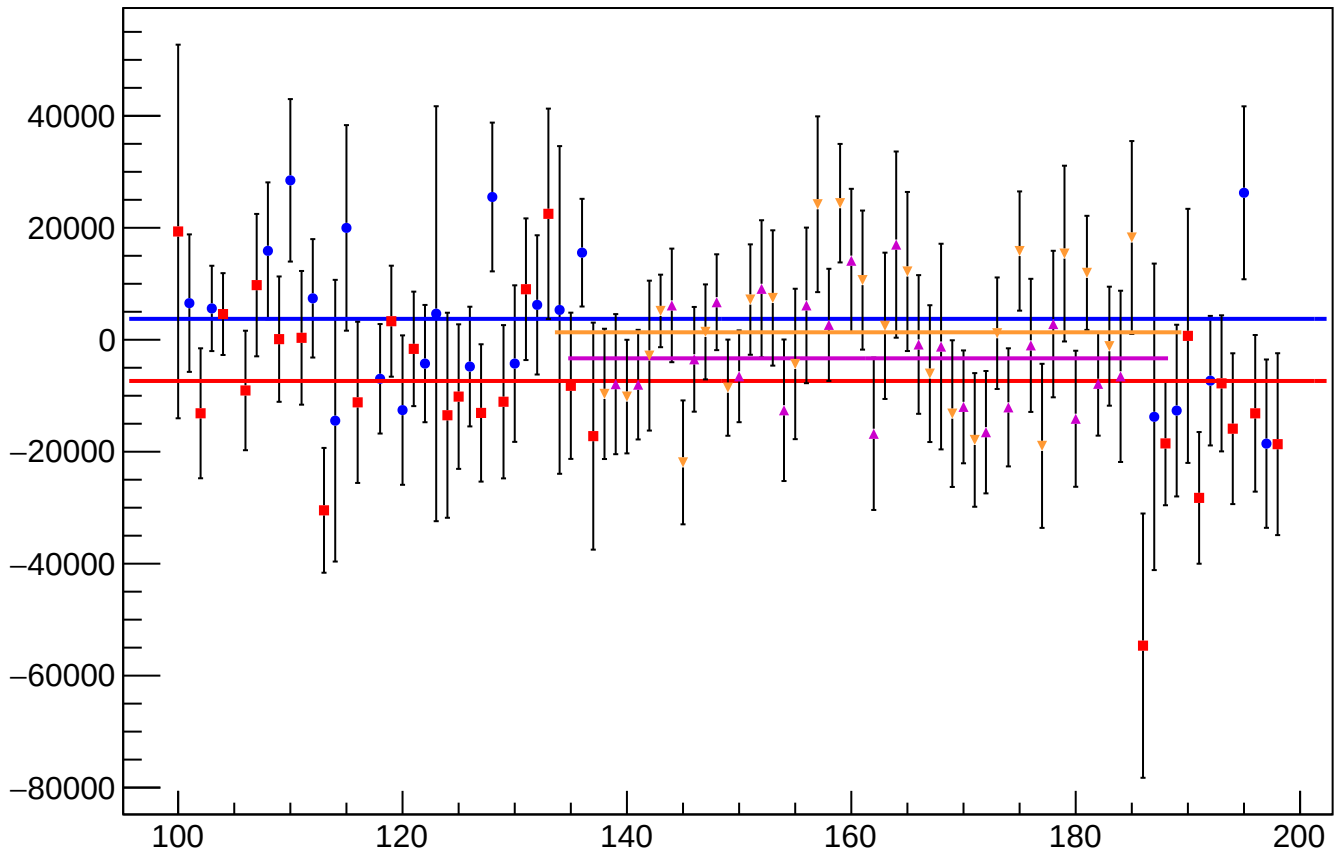
- sign 3209.102 ± 1523.930 χ^2/NDF : 49.5/49

asym_at2_avg_correction_rms vs Slug



Right In: 7892.937+/-1.860	χ^2/NDF : 1298056.9/21	+ sign 8243.145+/-1.150	χ^2/NDF : 4442657.2/46
Left Out: 8459.960+/-1.463	χ^2/NDF : 3087200.5/24	All: 7872.567+/-0.786	χ^2/NDF : 13993771.5/5
Right Out: 6080.659+/-1.442	χ^2/NDF : 5869066.5/26	- sign 7547.274+/-1.078	χ^2/NDF : 9356172.9/49
Left In: 9403.481+/-1.622	χ^2/NDF : 1142646.9/22		

asym_at2_avg_mean vs Slug



Right In: 3734.248+/-2728.683 χ^2/NDF : 20.7/21

Left Out: 1332.828+/-2213.733 χ^2/NDF : 28.0/24

Right Out: -7361.929+/-2437.887 χ^2/NDF : 26.4/26

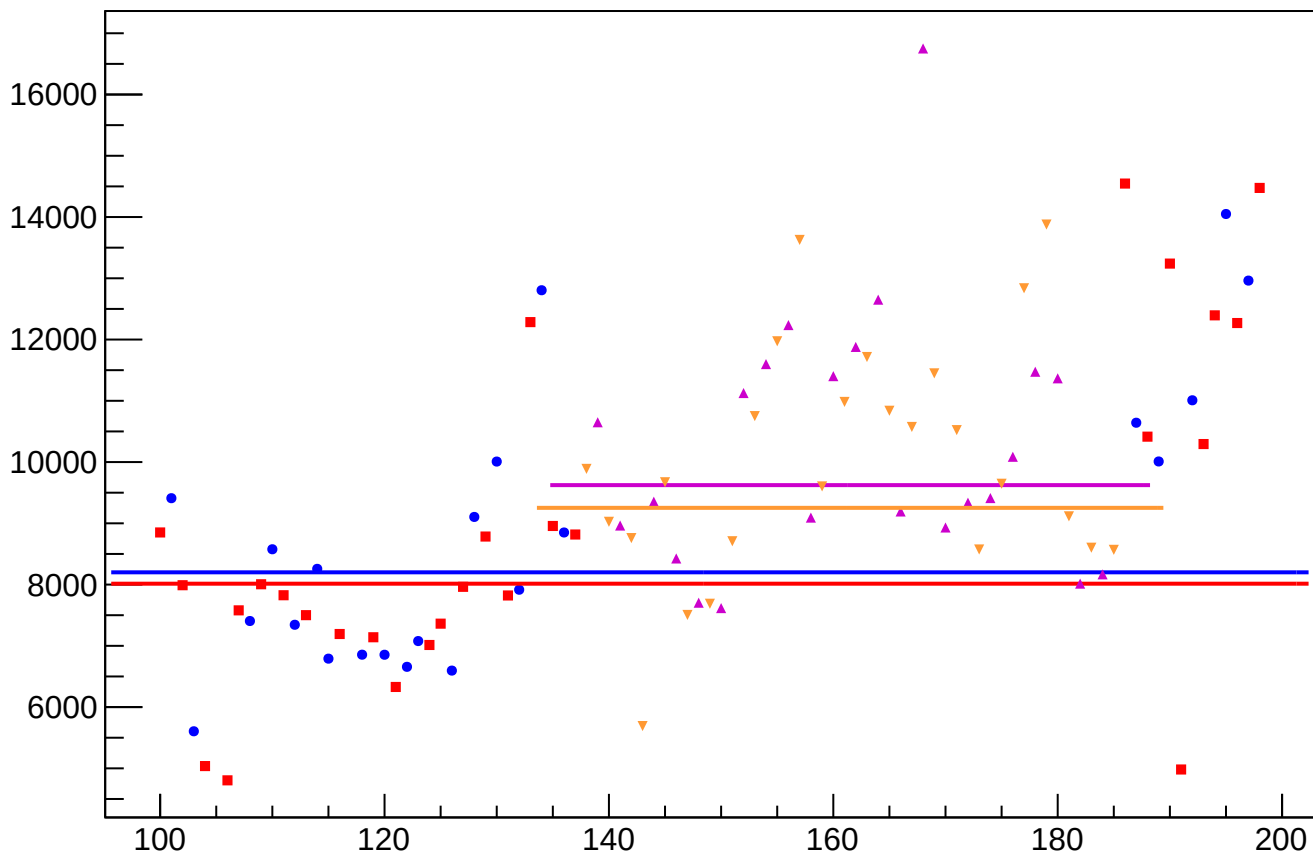
Left In: -3316.909+/-2344.543 χ^2/NDF : 13.7/22

+ sign 2286.021+/-1719.133 χ^2/NDF : 49.2/46

All: -1551.995+/-1205.134 χ^2/NDF : 100.5/96

- sign -5260.498+/-1689.878 χ^2/NDF : 41.5/49

asym_at2_avg_rms vs Slug



Right In: 8200.002+/-1.929 χ^2/NDF : 1185730.4/21

Left Out: 9252.712+/-1.565 χ^2/NDF :1597668.9/24

Right Out: 8014.426+/-1.724 χ^2/NDF : 2002685.2/26

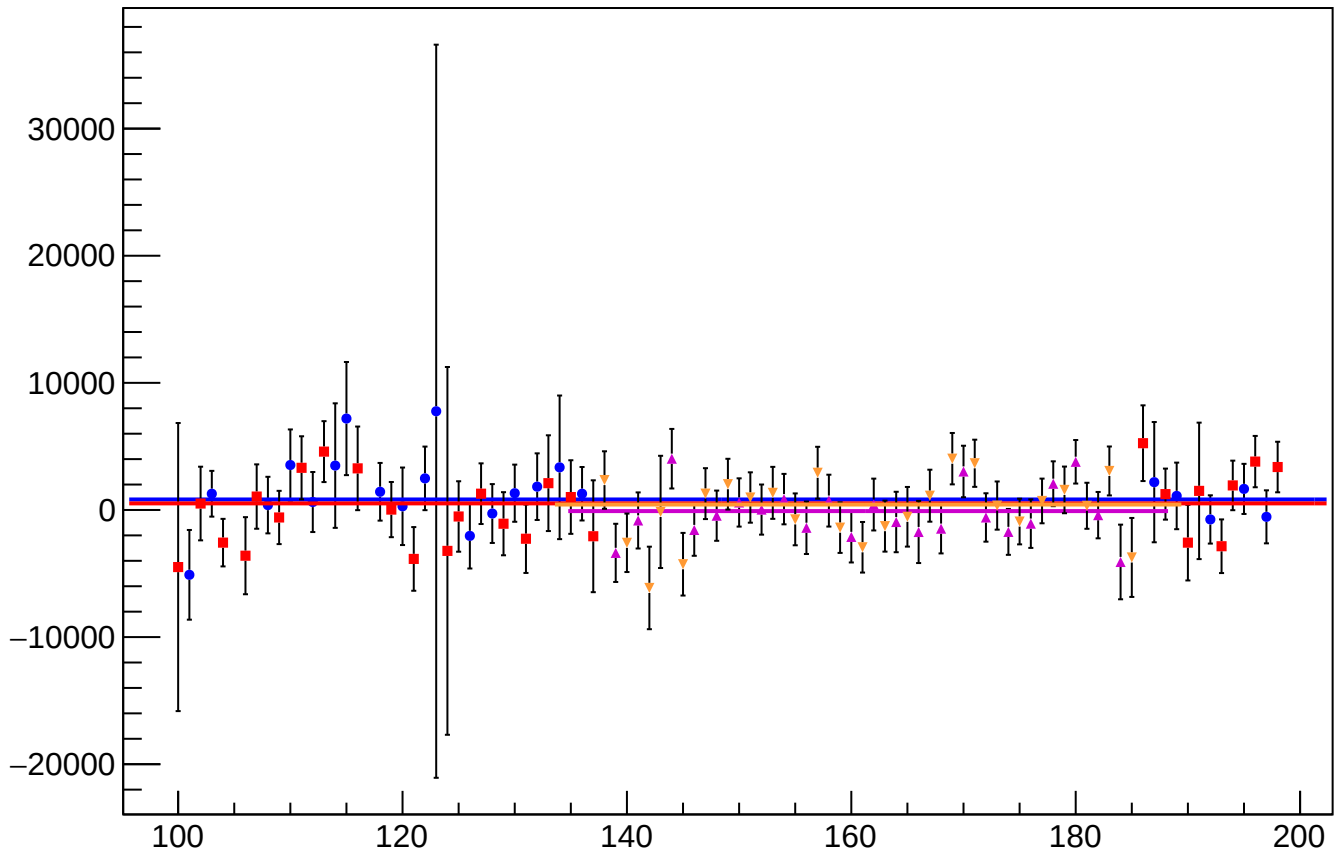
Left In: 9623.485+/-1.658 χ^2/NDF :1069924.0/22

+ sign 8834.850+/-1.216 χ^2/NDF : 2962922.7/46

All: 8842.692+/-0.852 χ^2/NDF : 6488288.9/96

- sign 8850.269+/-1.195 χ^2/NDF : 3525284.4/49

reg_asym_at2_dd_mean vs Slug



Right In: 826.147 ± 546.585 χ^2/NDF : 10.1/21

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 518.035 ± 496.715 χ^2/NDF : 27.0/26

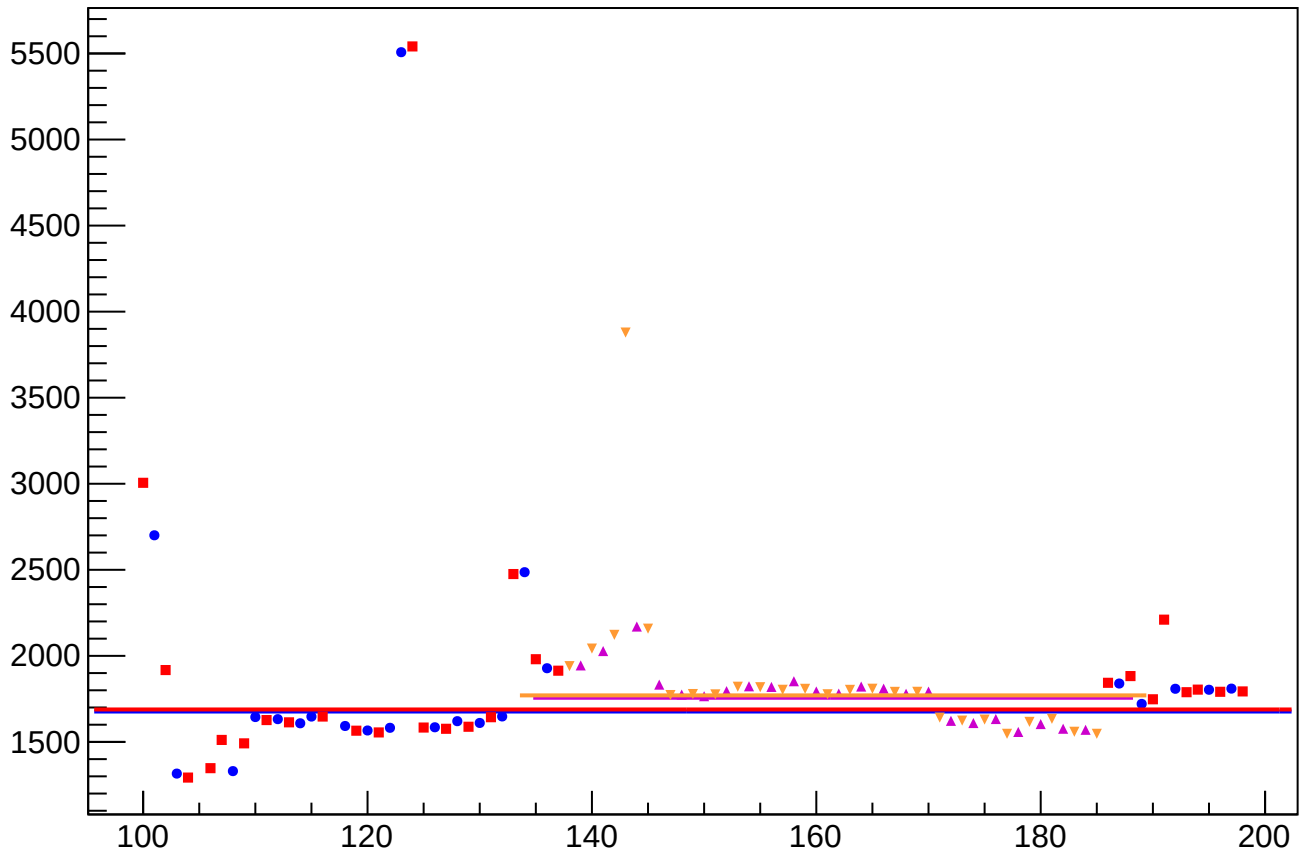
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 575.120 ± 331.220 χ^2/NDF : 39.2/46

All: 364.425 ± 230.726 χ^2/NDF : 88.7/96

- sign 165.809 ± 321.586 χ^2/NDF : 48.8/49

reg_asym_at2_dd_rms vs Slug



Right In: 1676.638 $\pm$ 0.386 χ^2 /NDF: 446503.1/21

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1688.562 $\pm$ 0.351 χ^2 /NDF: 529284.4/26

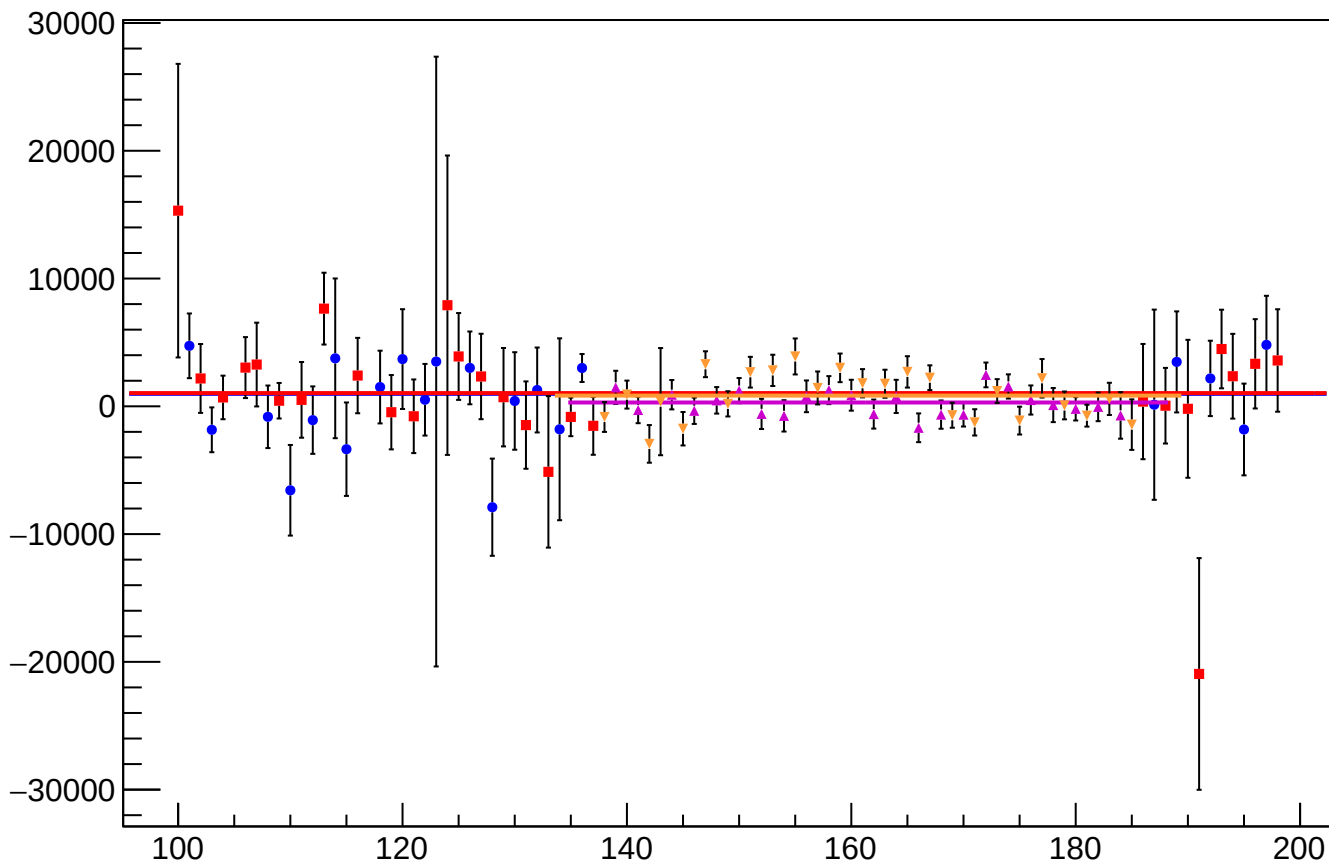
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1735.959 $\pm$ 0.234 χ^2 /NDF: 1183269.0/46

All: 1731.911 $\pm$ 0.163 χ^2 /NDF: 1958022.2/96

- sign 1728.095 $\pm$ 0.227 χ^2 /NDF: 774172.8/49

asym_at2_dd_correction_mean vs Slug



Right In: 976.989 ± 593.414 $\chi^2/\text{NDF}: 24.3/21$

Left Out: 839.344 ± 230.465 $\chi^2/\text{NDF}: 54.4/24$

Right Out: 1034.159 ± 540.848 $\chi^2/\text{NDF}: 23.5/26$

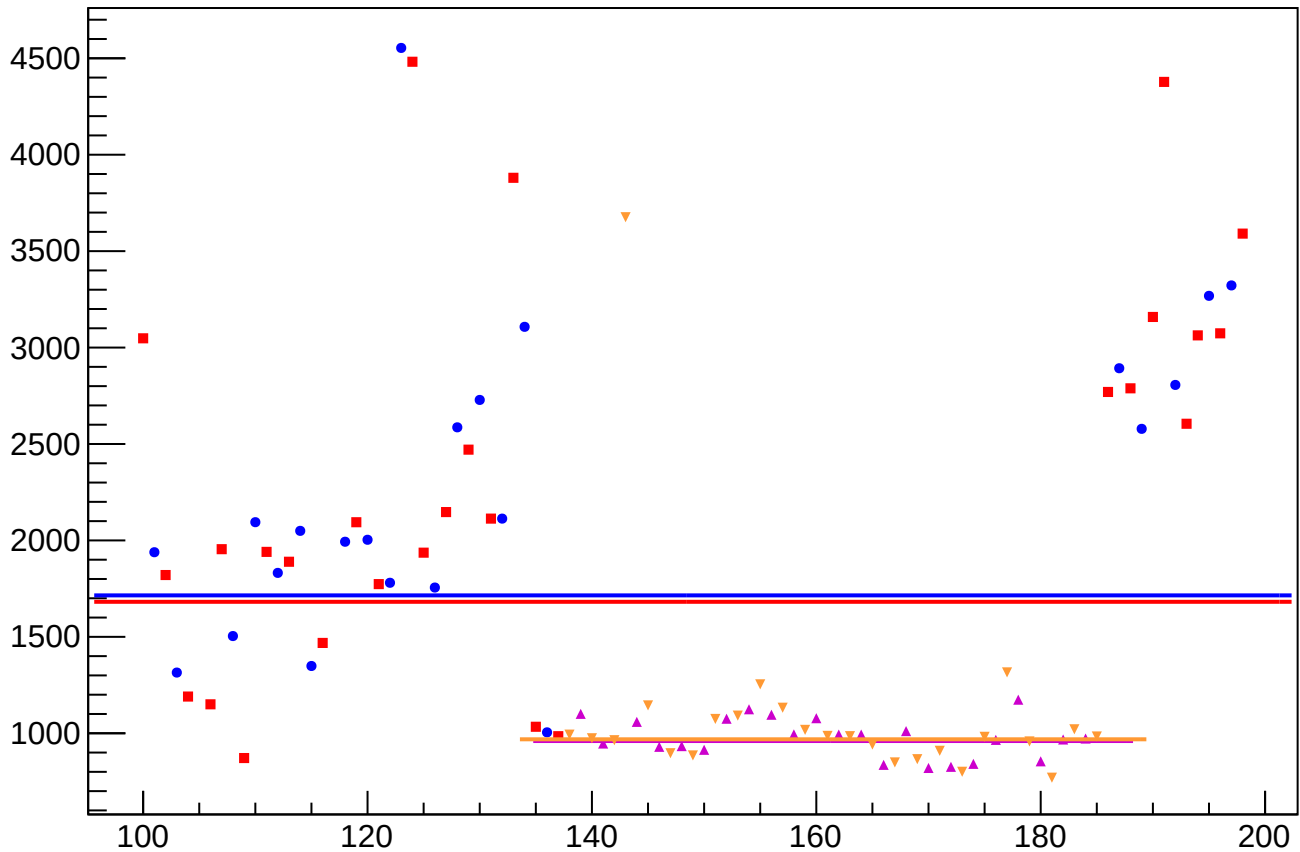
Left In: 298.801 ± 231.400 $\chi^2/\text{NDF}: 18.3/22$

+ sign 857.384 ± 214.832 $\chi^2/\text{NDF}: 78.8/46$

All: 632.813 ± 151.166 $\chi^2/\text{NDF}: 124.3/96$

- sign 412.582 ± 212.746 $\chi^2/\text{NDF}: 43.4/49$

asym_at2_dd_correction_rms vs Slug



Right In: 1715.021+/-0.420 χ^2/NDF : 2586019.0/21

Left Out: 968.712+/-0.163 χ^2/NDF : 1393696.6/24

+ sign 1066.526+/-0.152 χ^2/NDF : 6728494.4/46

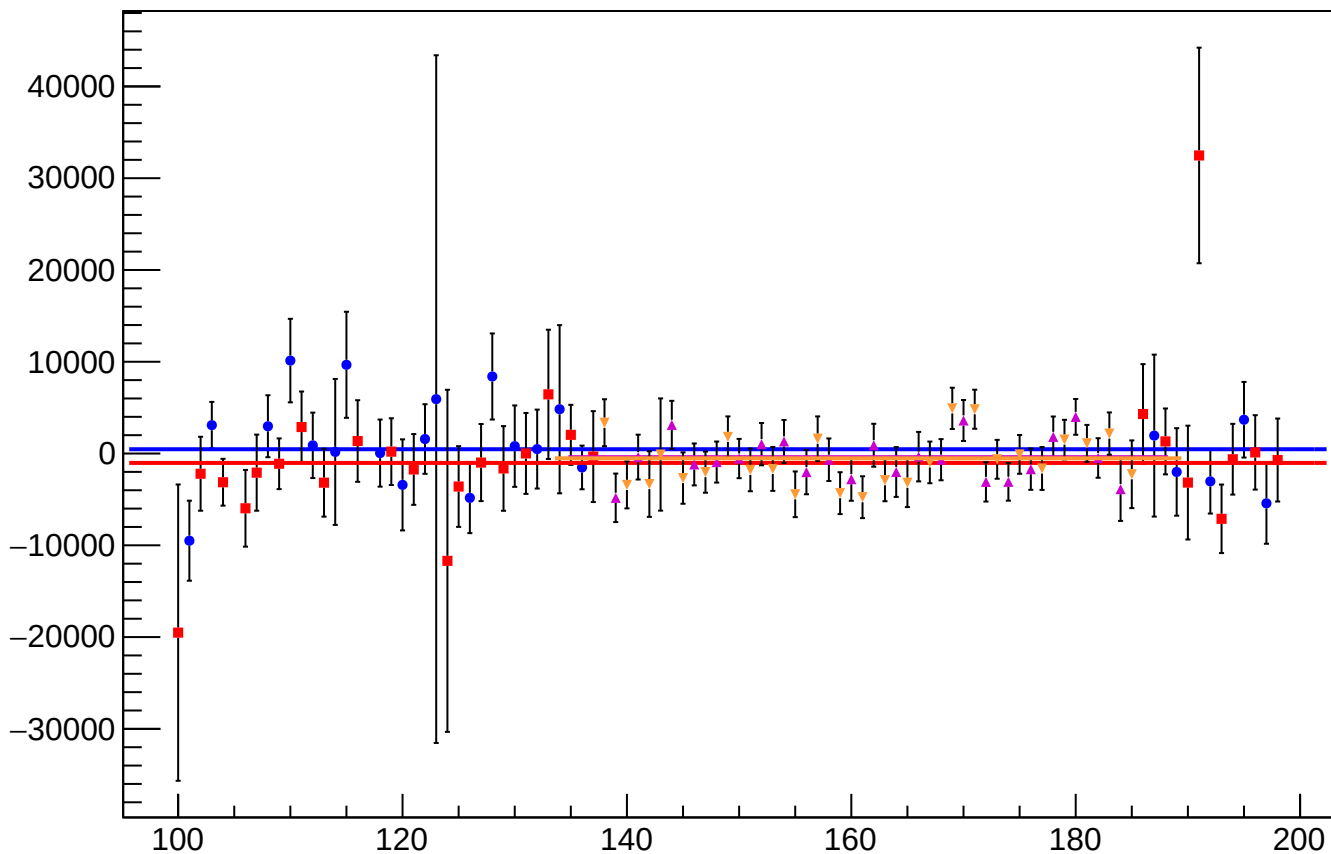
Right Out: 1681.738+/-0.382 χ^2/NDF : 4204449.1/26

All: 1069.041+/-0.107 χ^2/NDF : 14316800.6/9

Left In: 959.805+/-0.164 χ^2/NDF : 371210.5/22

- sign 1071.508+/-0.150 χ^2/NDF : 7587763.1/49

asym_at2_dd_mean vs Slug



Right In: 468.730 ± 873.687 χ^2/NDF : 24.0/21

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -1023.078 ± 801.516 χ^2/NDF : 20.5/26

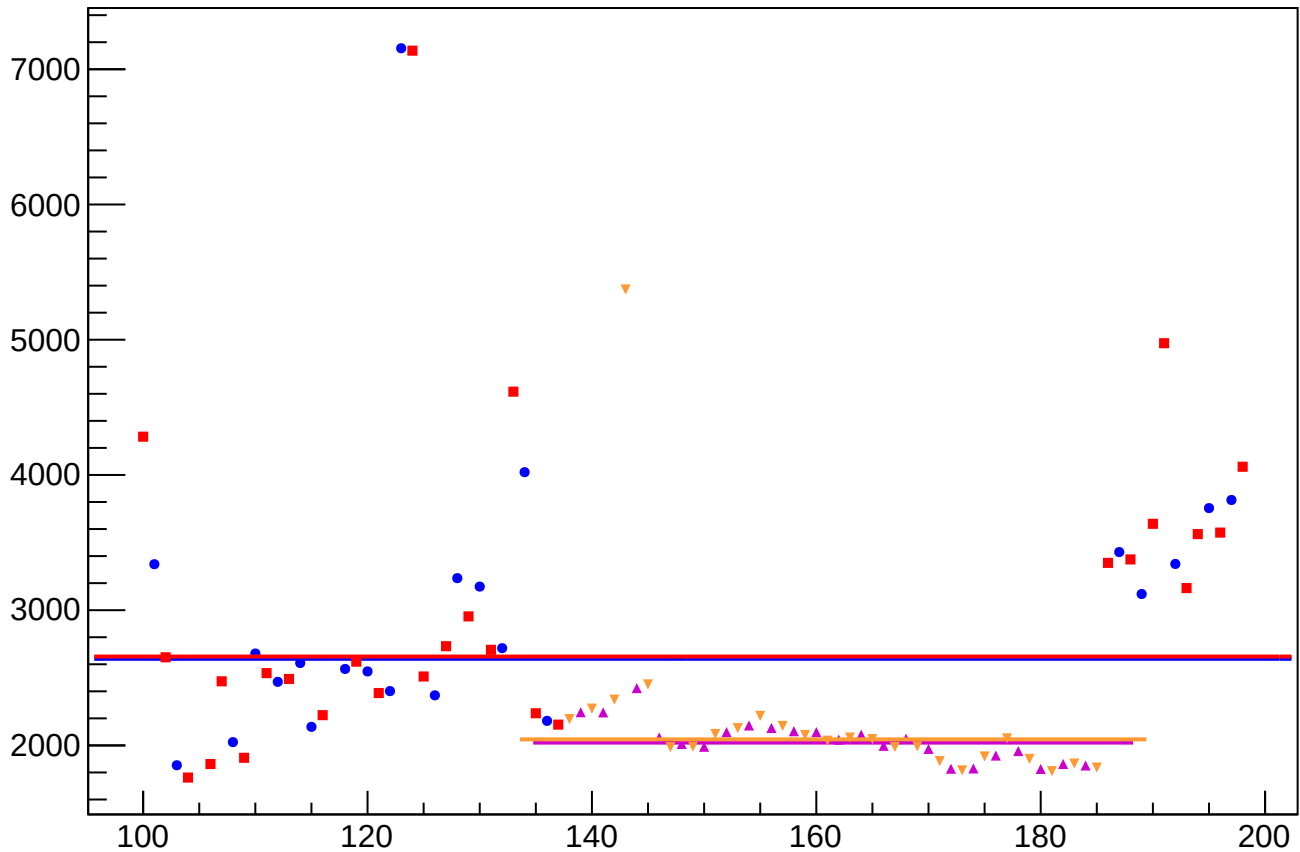
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -287.919 ± 421.690 χ^2/NDF : 59.0/46

All: -428.741 ± 295.778 χ^2/NDF : 102.0/96

- sign -565.115 ± 414.977 χ^2/NDF : 42.8/49

asym_at2_dd_rms vs Slug



Right In: 2640.407+/-0.618 χ^2 /NDF: 966232.9/21

Left Out: 2044.722+/-0.340 χ^2 /NDF: 788703.5/24

Right Out: 2657.174+/-0.567 χ^2 /NDF: 1542593.0/26

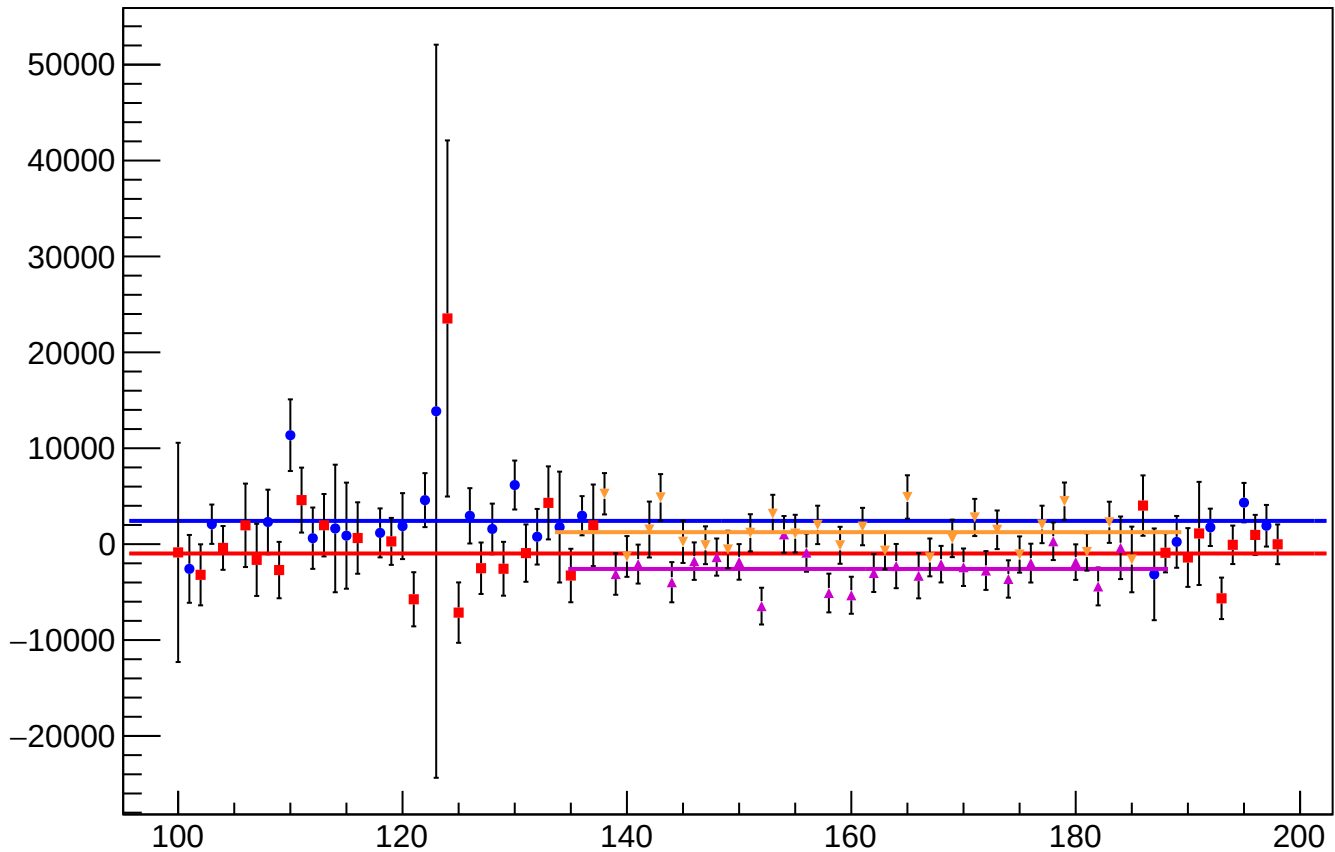
Left In: 2020.802+/-0.343 χ^2 /NDF: 173502.0/22

+ sign 2183.492+/-0.298 χ^2 /NDF: 2468071.9/46

All: 2187.502+/-0.209 χ^2 /NDF: 5107326.7/96

- sign 2191.385+/-0.293 χ^2 /NDF: 2638898.8/49

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2424.465 $\pm$ 609.342 χ^2 /NDF: 14.8/21

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF:23.0/24

Right Out: -973.945 $\pm$ 557.038 χ^2 /NDF: 26.2/26

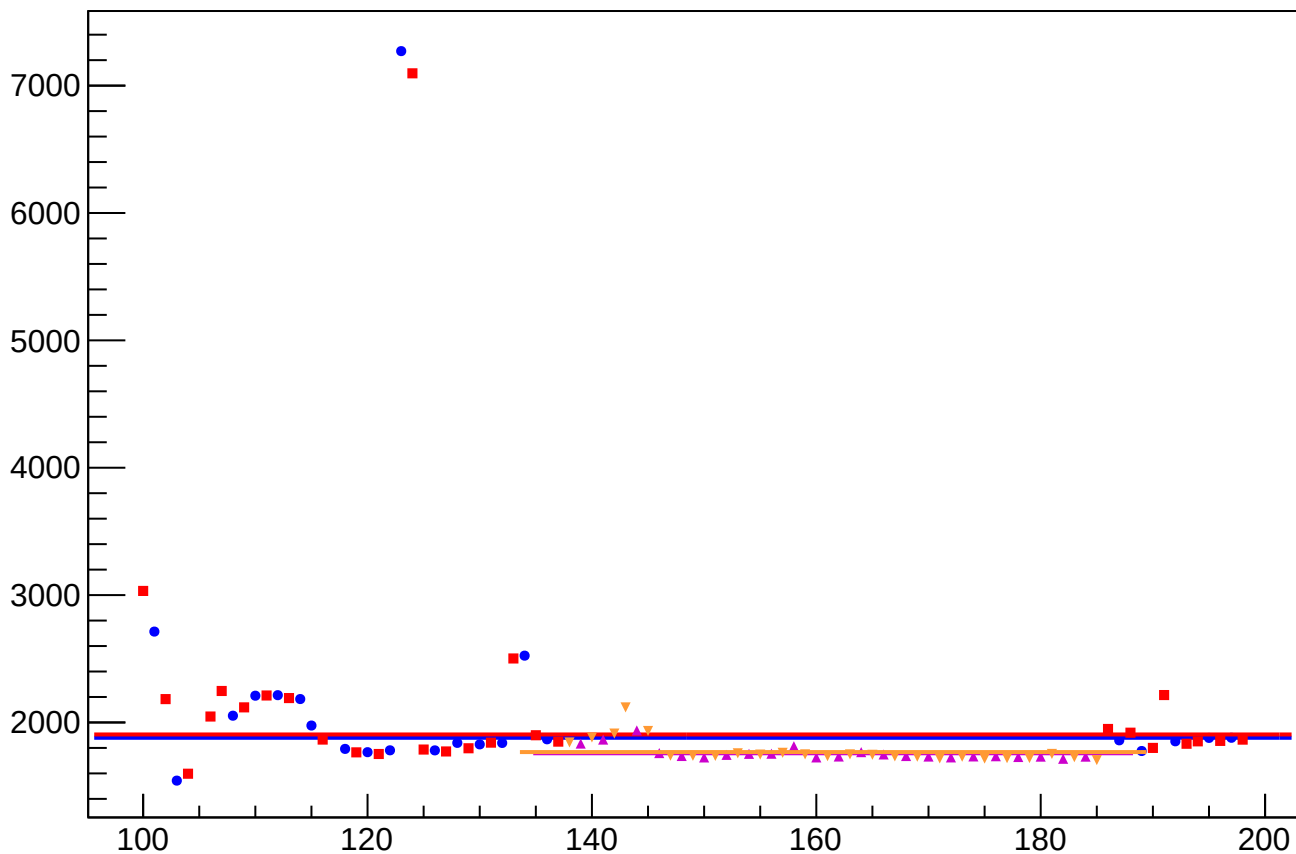
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1619.010 $\pm$ 341.581 χ^2 /NDF: 40.4/46

All: -219.448 $\pm$ 239.582 χ^2 /NDF: 146.4/96

- sign -1999.635 $\pm$ 336.124 χ^2 /NDF: 49.0/49

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1879.791+/-0.431 χ^2 /NDF: 291696.0/21

Left Out: 1767.517+/-0.292 χ^2 /NDF: 77674.7/24

Right Out: 1905.757+/-0.394 χ^2 /NDF: 377405.6/26

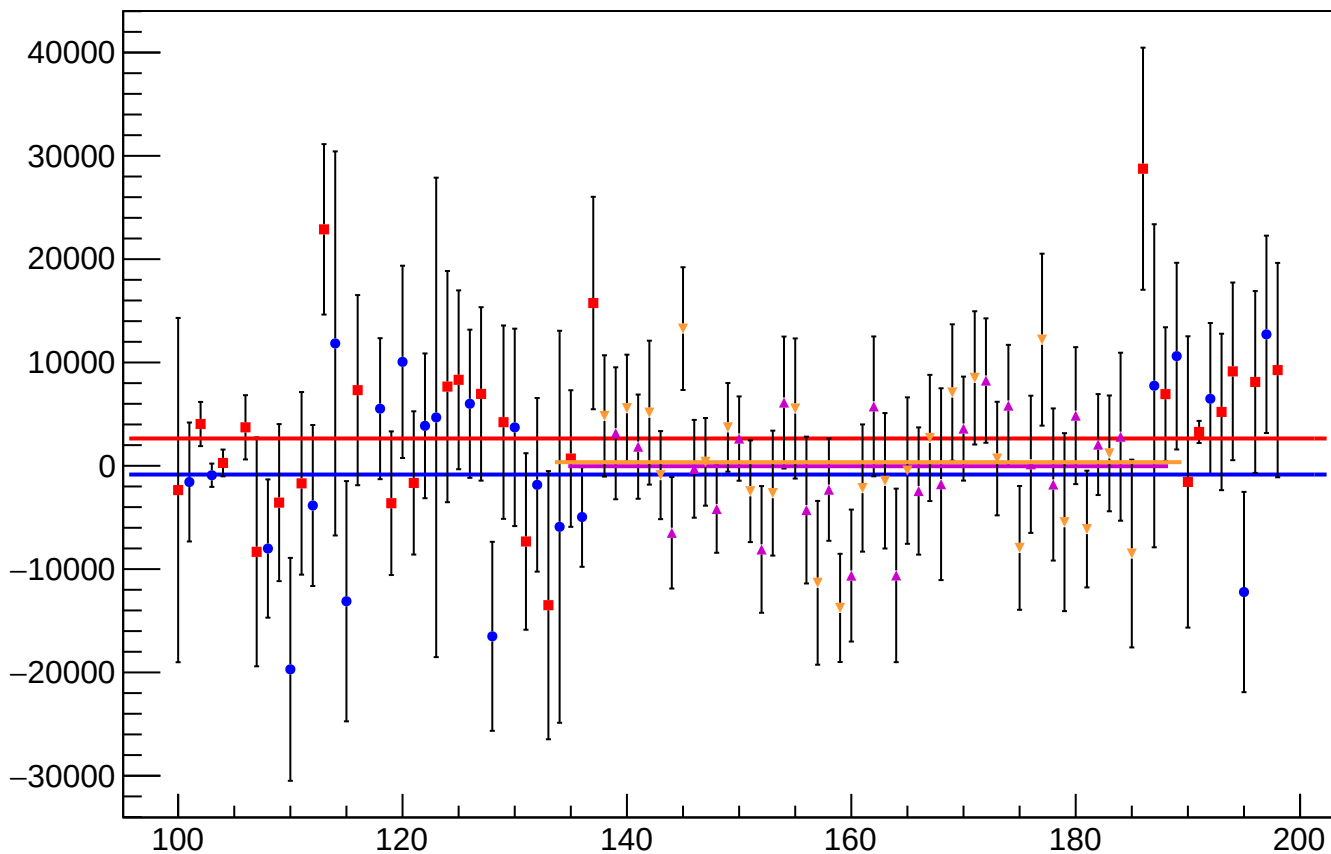
Left In: 1758.076+/-0.298 χ^2 /NDF: 29806.0/22

+ sign 1802.798+/-0.242 χ^2 /NDF: 415933.7/46

All: 1807.428+/-0.169 χ^2 /NDF: 913360.4/96

- sign 1811.909+/-0.238 χ^2 /NDF: 496703.6/49

asym_atl1r2_avg_correction_mean vs Slug



Right In: -845.634 ± 959.279 χ^2/NDF : 19.9/21

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2644.357 ± 691.791 χ^2/NDF : 26.2/26

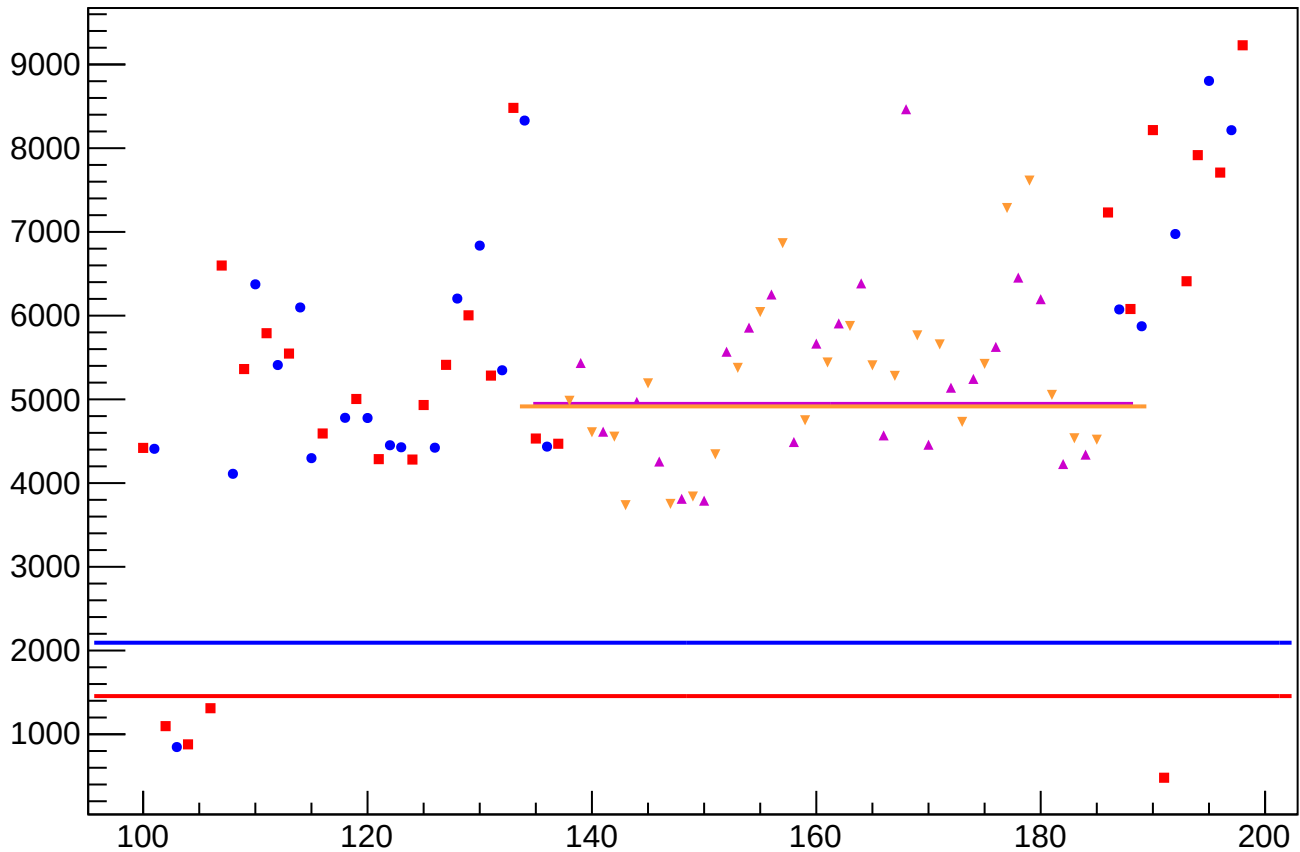
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -364.525 ± 741.830 χ^2/NDF : 48.3/46

All: 1052.844 ± 466.631 χ^2/NDF : 100.3/96

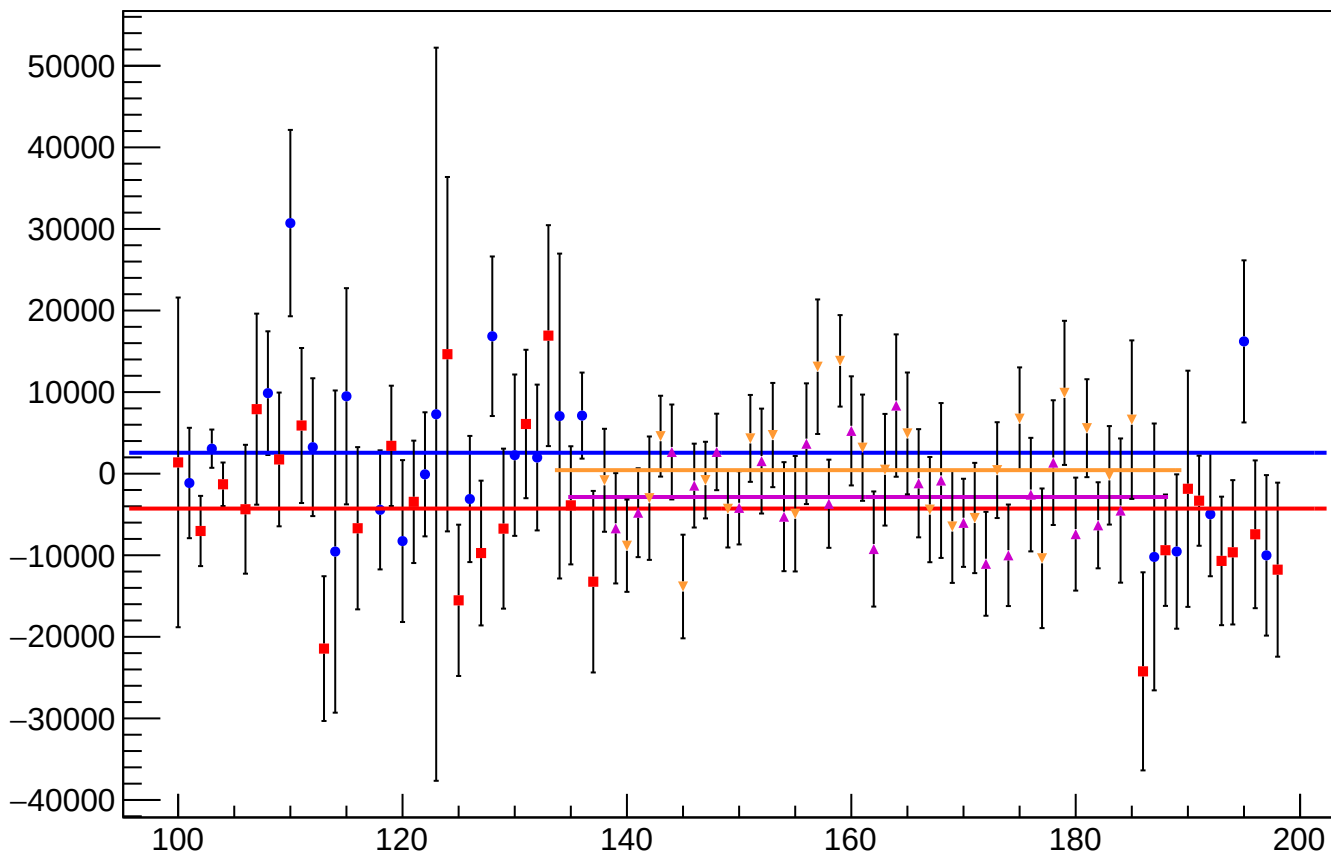
- sign 1980.847 ± 600.258 χ^2/NDF : 46.0/49

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2093.463+/-0.678	χ^2/NDF : 9750381.8/21	+ sign 3227.998+/-0.525	χ^2/NDF : 17896348.0/46
Left Out: 4915.865+/-0.827	χ^2/NDF : 1186479.7/24	All: 2678.283+/-0.330	χ^2/NDF : 47725011.1/9
Right Out: 1455.950+/-0.489	χ^2/NDF : 14245249.5/26	- sign 2318.365+/-0.424	χ^2/NDF : 28011368.8/49
Left In: 4945.817+/-0.854	χ^2/NDF : 1188288.6/22		

asym_atl1r2_avg_mean vs Slug



Right In: 2563.940+/-1509.598 χ^2/NDF : 20.5/21

Left Out: 430.860+/-1258.273 χ^2/NDF :27.1/24

Right Out: -4278.115+/-1410.788 χ^2/NDF : 21.4/26

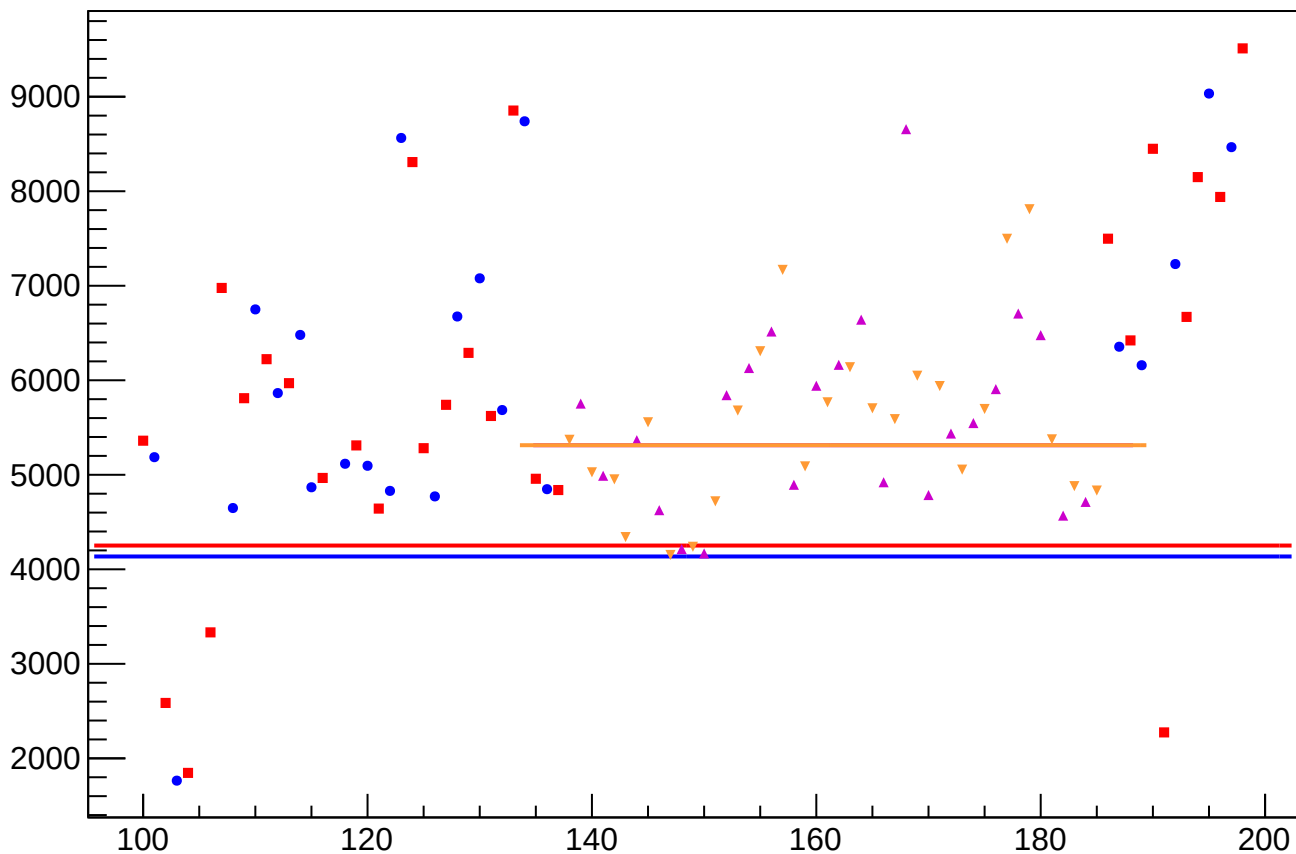
Left In: -2860.252+/-1292.328 χ^2/NDF :12.9/22

+ sign 1305.298+/-966.546 χ^2/NDF : 48.8/46

All: -1135.030+/-678.592 χ^2/NDF : 96.2/96

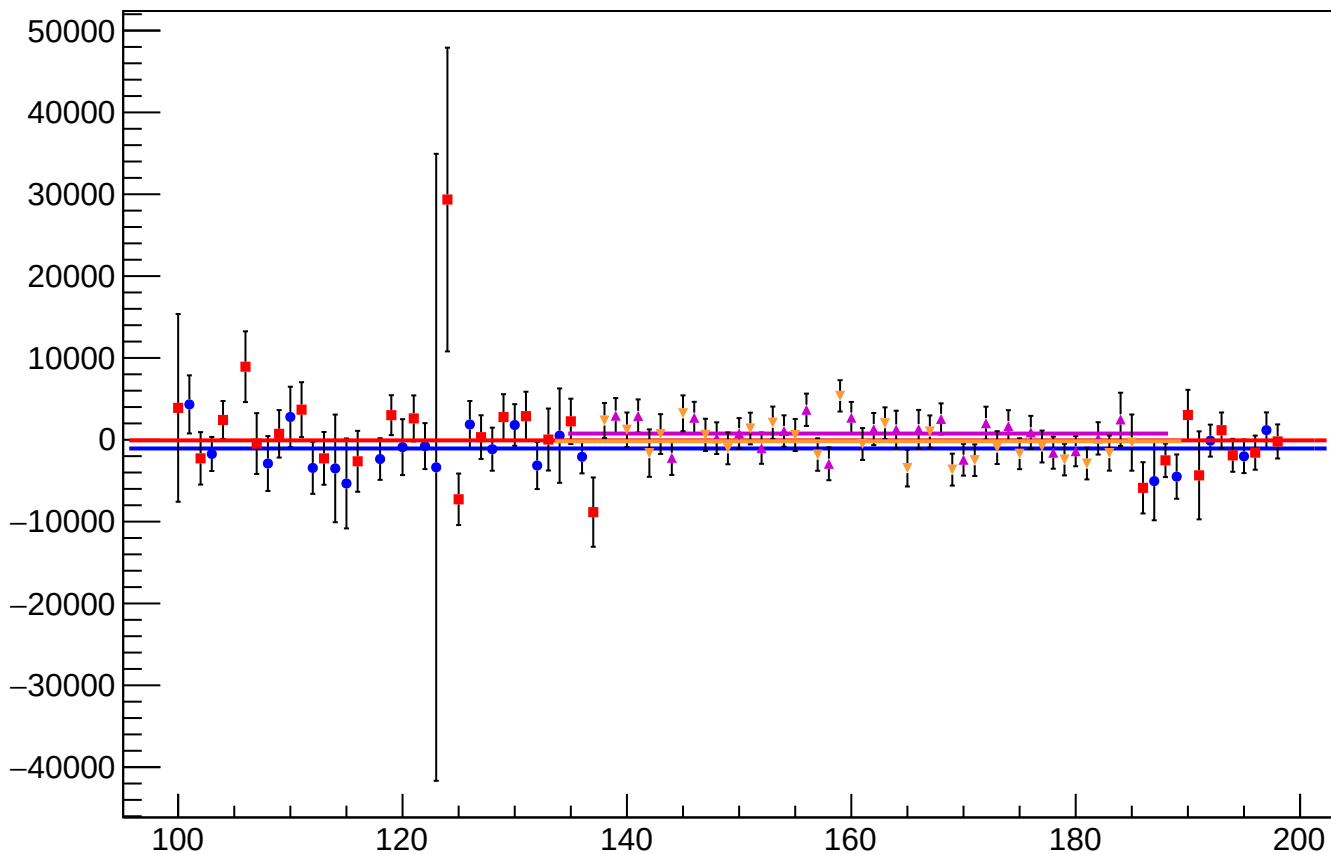
- sign -3507.167+/-952.946 χ^2/NDF : 34.9/49

asym_atl1r2_avg_rms vs Slug



Right In: 4135.805+/-1.067	χ^2/NDF : 4278850.9/21	+ sign 4830.423+/-0.683	χ^2/NDF : 5890858.2/46
Left Out: 5313.008+/-0.890	χ^2/NDF : 894369.8/24		
Right Out: 4251.411+/-0.992	χ^2/NDF : 5068774.9/26	All: 4828.099+/-0.479	χ^2/NDF : 12536102.4/9
Left In: 5312.861+/-0.914	χ^2/NDF : 957400.7/22	- sign 4825.850+/-0.672	χ^2/NDF : 6645221.5/49

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1063.512 ± 608.007 χ^2/NDF : 12.4/21

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -72.946 ± 556.342 χ^2/NDF : 33.8/26

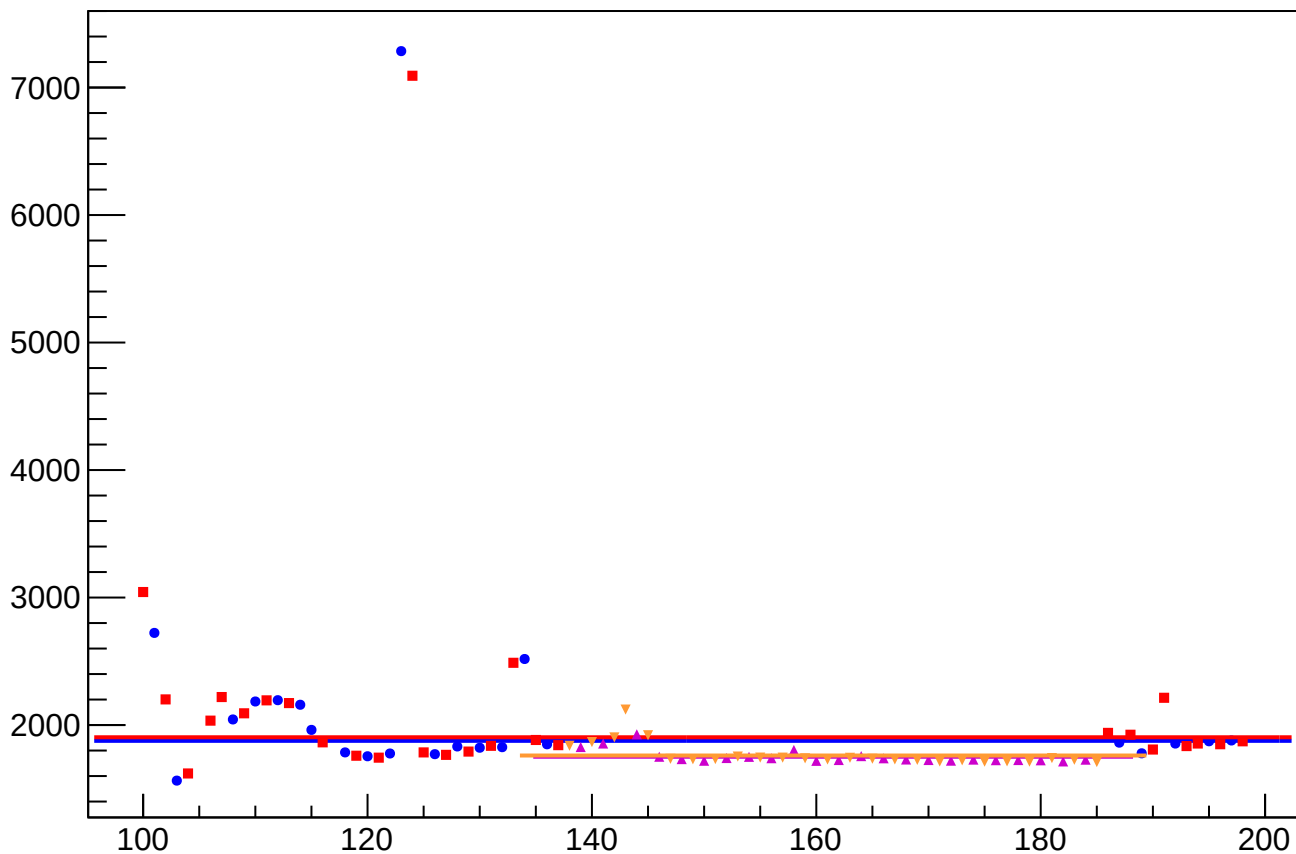
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -456.935 ± 340.489 χ^2/NDF : 43.1/46

All: 7.523 ± 238.854 χ^2/NDF : 102.3/96

- sign 457.550 ± 335.157 χ^2/NDF : 55.5/49

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1876.138+/-0.430 χ^2/NDF : 282469.8/21

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1904.136+/-0.393 χ^2/NDF : 365202.7/26

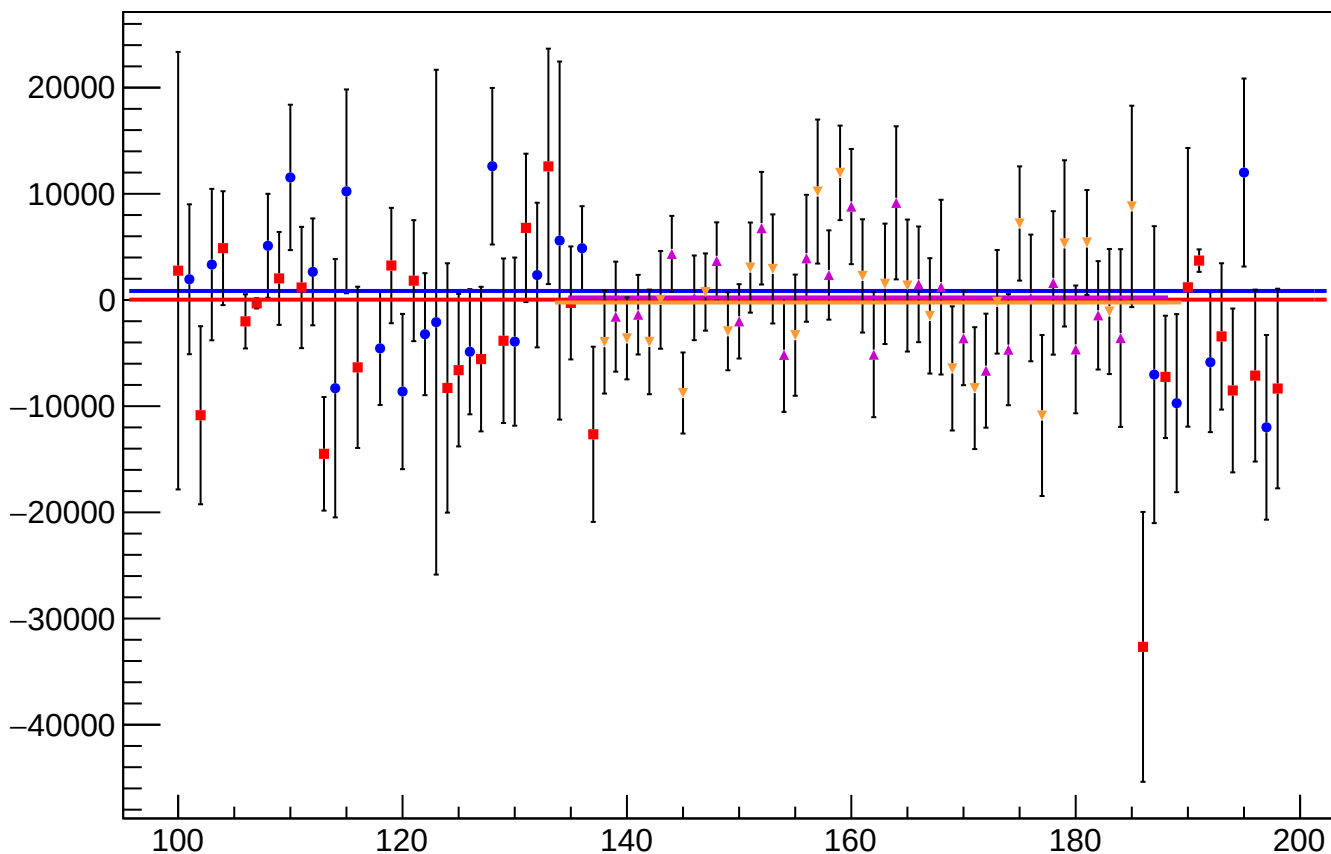
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1797.171+/-0.241 χ^2/NDF : 409090.1/46

All: 1802.116+/-0.169 χ^2/NDF : 899822.1/96

- sign 1806.905+/-0.237 χ^2/NDF : 489901.5/49

asym_atl1r2_dd_correction_mean vs Slug



Right In: 850.523 ± 1464.504 χ^2/NDF : 19.9/21

Left Out: -235.806 ± 1005.144 χ^2/NDF : 28.9/24

Right Out: 32.297 ± 413.321 χ^2/NDF : 42.6/26

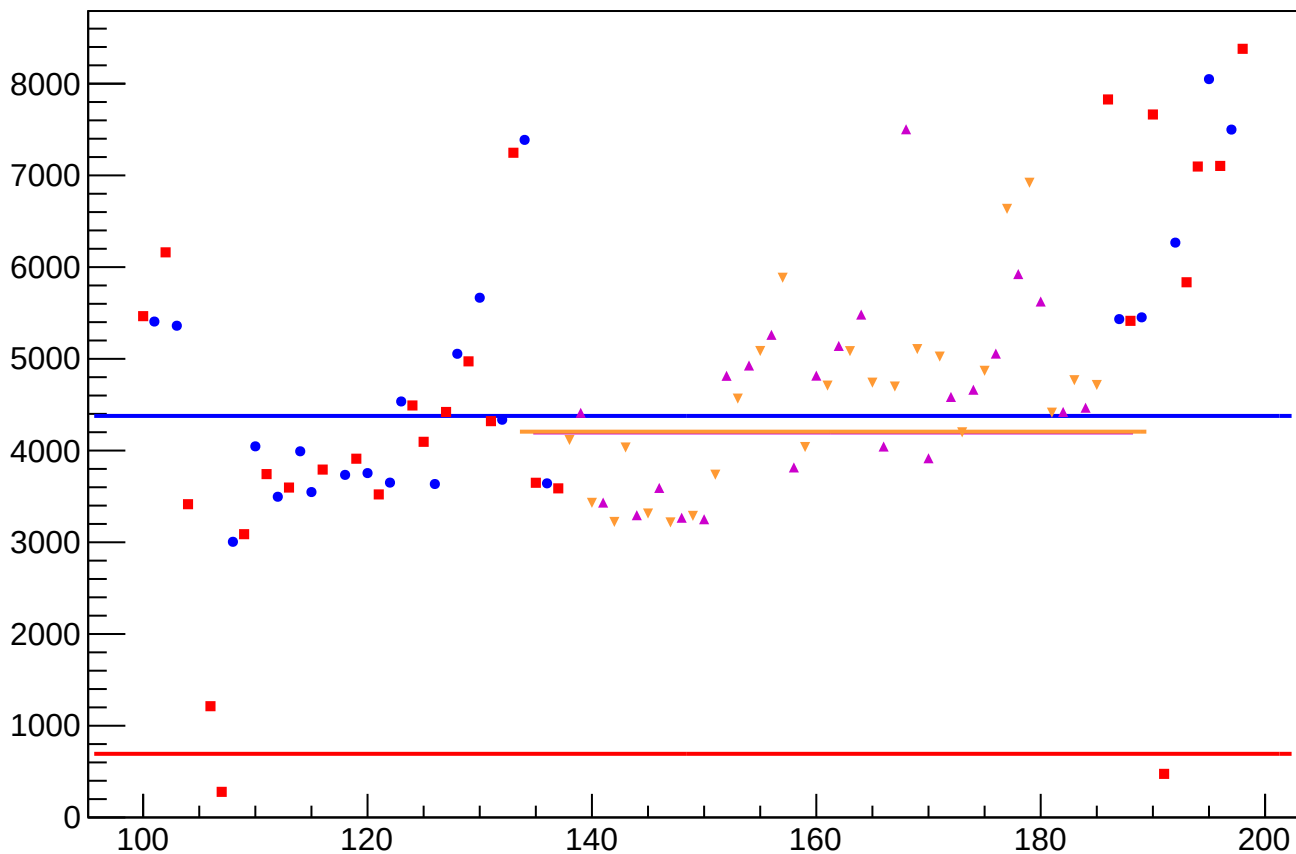
Left In: 239.224 ± 1028.883 χ^2/NDF : 15.3/22

+ sign 112.056 ± 828.730 χ^2/NDF : 49.2/46

All: 70.048 ± 348.064 χ^2/NDF : 107.2/96

- sign 61.050 ± 383.531 χ^2/NDF : 58.0/49

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4377.723+/-1.036 χ^2/NDF : 1441259.0/21

Left Out: 4206.076+/-0.711 χ^2/NDF : 1442269.3/24

Right Out: 693.735+/-0.292 χ^2/NDF : 17995333.5/26

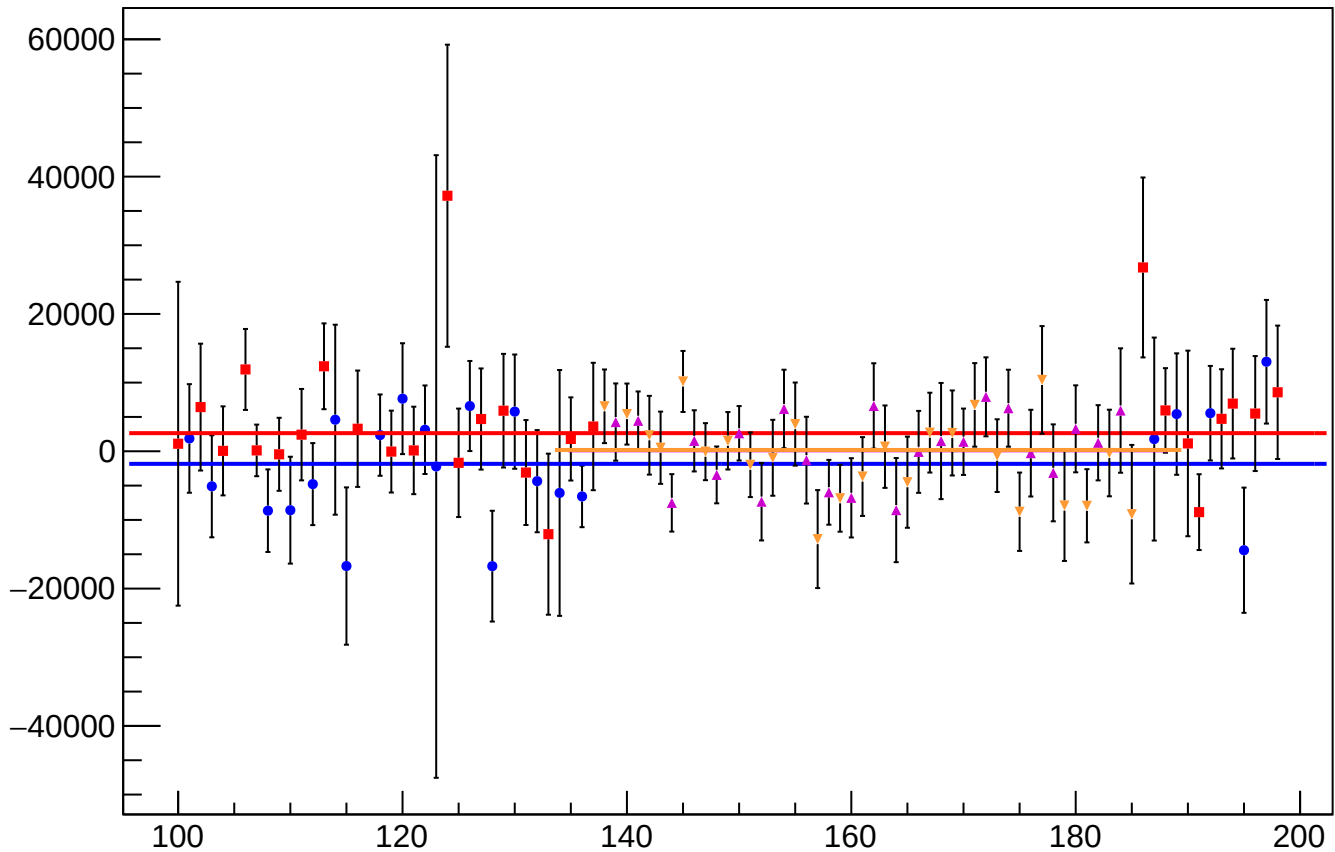
Left In: 4197.267+/-0.728 χ^2/NDF : 1471012.9/22

+ sign 4261.040+/-0.586 χ^2/NDF : 2902204.6/46

All: 1723.953+/-0.246 χ^2/NDF : 65095872.4/9

- sign 1180.563+/-0.271 χ^2/NDF : 39434446.5/49

asym_atl1r2_dd_mean vs Slug



Right In: -1832.973 ± 1634.185 χ^2/NDF : 20.8/21

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 2638.218 ± 1371.327 χ^2/NDF : 20.5/26

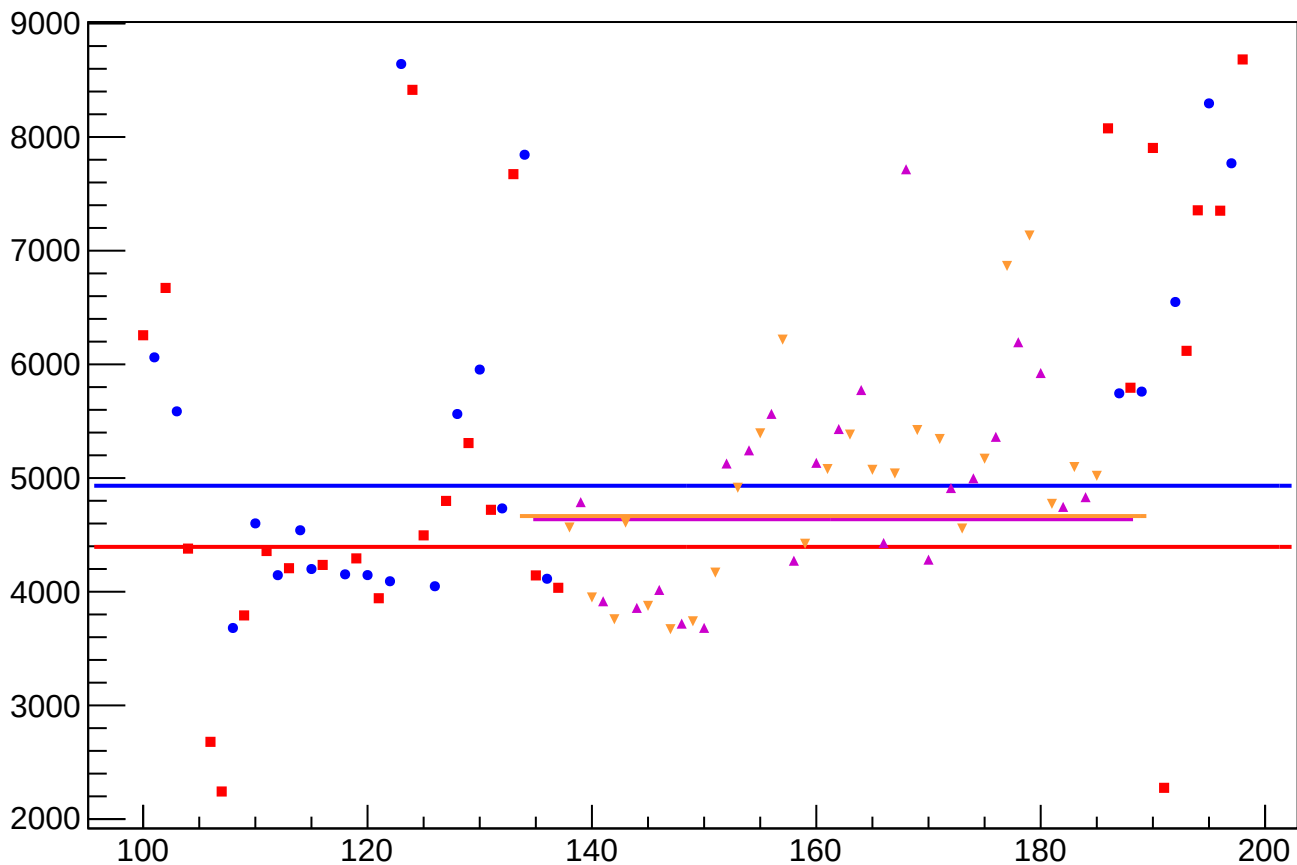
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -446.380 ± 916.429 χ^2/NDF : 46.8/46

All: 390.702 ± 631.687 χ^2/NDF : 89.4/96

- sign 1148.435 ± 871.913 χ^2/NDF : 41.0/49

asym_atl1r2_dd_rms vs Slug



Right In: 4932.223+/-1.156 χ^2/NDF : 1096201.1/21

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

Right Out: 4394.485+/-0.965 χ^2/NDF : 3011037.0/26

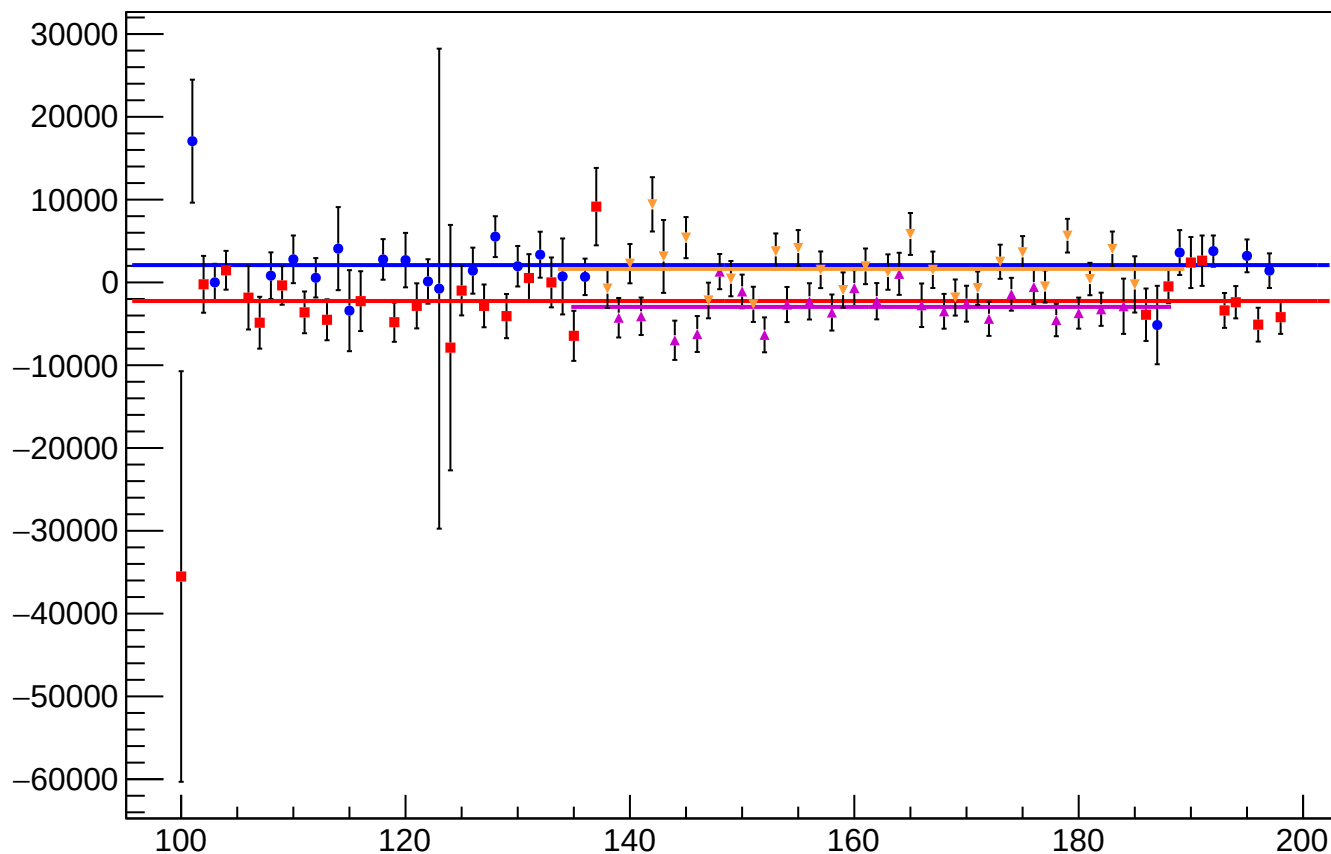
Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

+ sign 4749.462+/-0.648 χ^2/NDF : 2149926.4/46

All: 4638.710+/-0.446 χ^2/NDF : 6319447.5/96

- sign 4538.852+/-0.615 χ^2/NDF : 4113974.3/49

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2092.315 ± 586.000 χ^2/NDF : 14.3/21

Left Out: 1630.035 ± 447.063 χ^2/NDF : 35.4/24

Right Out: -2241.313 ± 523.065 χ^2/NDF : 27.6/26

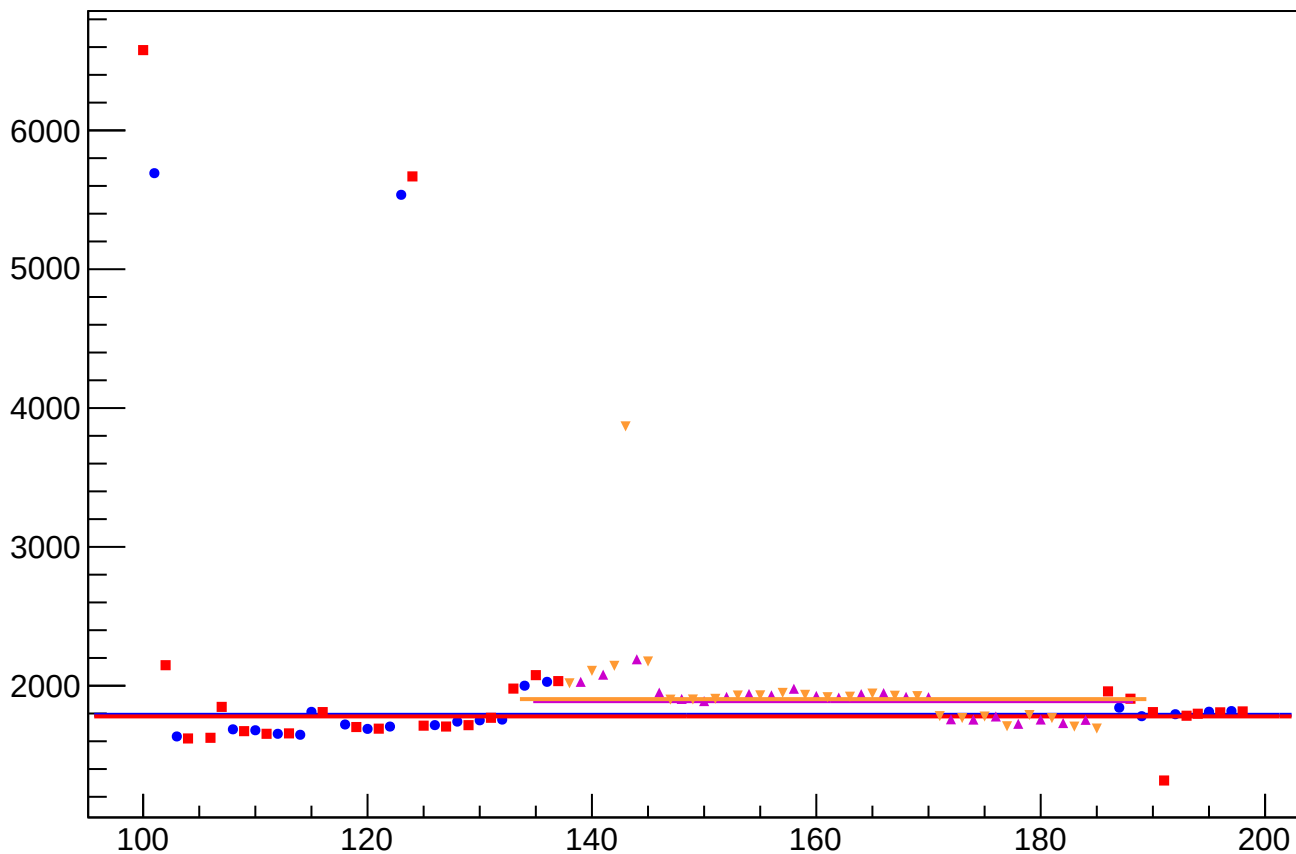
Left In: -2958.620 ± 453.688 χ^2/NDF : 20.4/22

+ sign 1800.107 ± 355.437 χ^2/NDF : 50.1/46

All: -506.262 ± 246.716 χ^2/NDF : 180.5/96

- sign -2650.660 ± 342.729 χ^2/NDF : 49.1/49

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1790.604 $\pm$ 0.414 χ^2 /NDF: 645685.9/21

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1778.991 $\pm$ 0.368 χ^2 /NDF: 368552.2/26

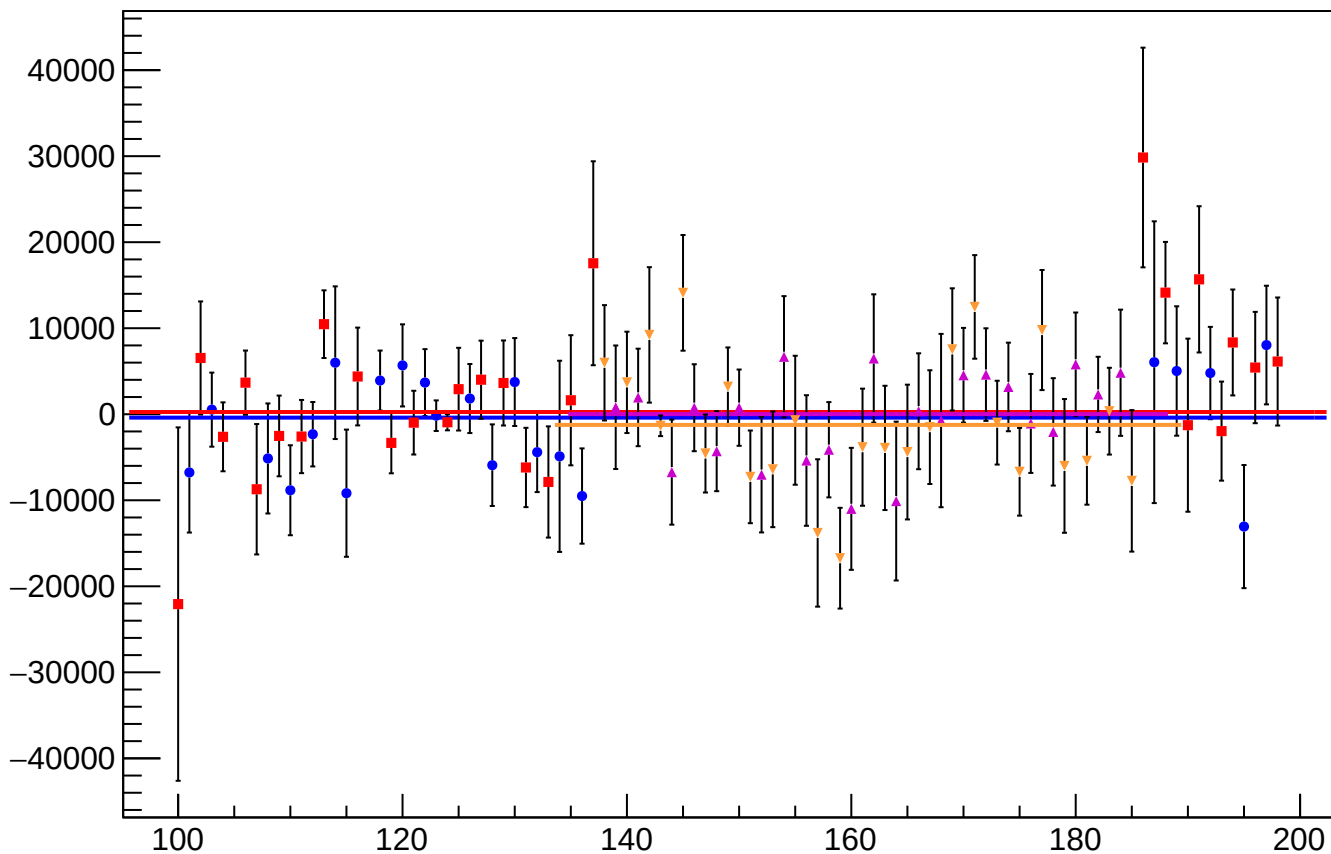
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1862.040 $\pm$ 0.251 χ^2 /NDF: 1234282.5/46

All: 1851.384 $\pm$ 0.174 χ^2 /NDF: 1783364.6/96

- sign 1841.511 $\pm$ 0.242 χ^2 /NDF: 545619.0/49

asym_atr1l2_avg_correction_mean vs Slug



Right In: -393.423+/-964.454 χ^2/NDF : 22.7/21

Left Out: -1239.833+/-865.201 χ^2/NDF : 33.9/24

Right Out: 260.564+/-697.576 χ^2/NDF : 40.2/26

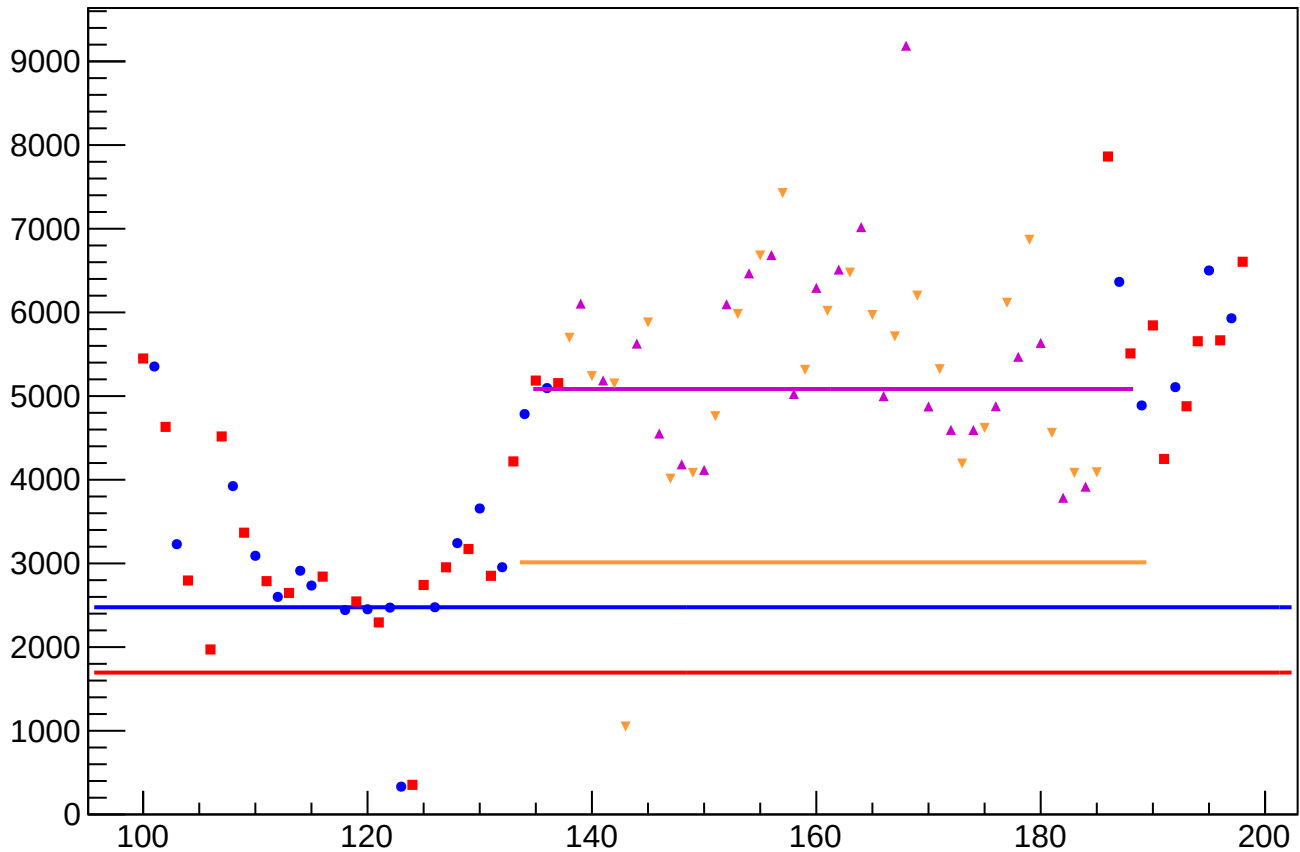
Left In: 15.863+/-1243.317 χ^2/NDF : 13.2/22

+ sign -862.408+/-644.030 χ^2/NDF : 57.0/46

All: -299.928+/-442.250 χ^2/NDF : 111.9/96

- sign 201.977+/-608.364 χ^2/NDF : 53.5/49

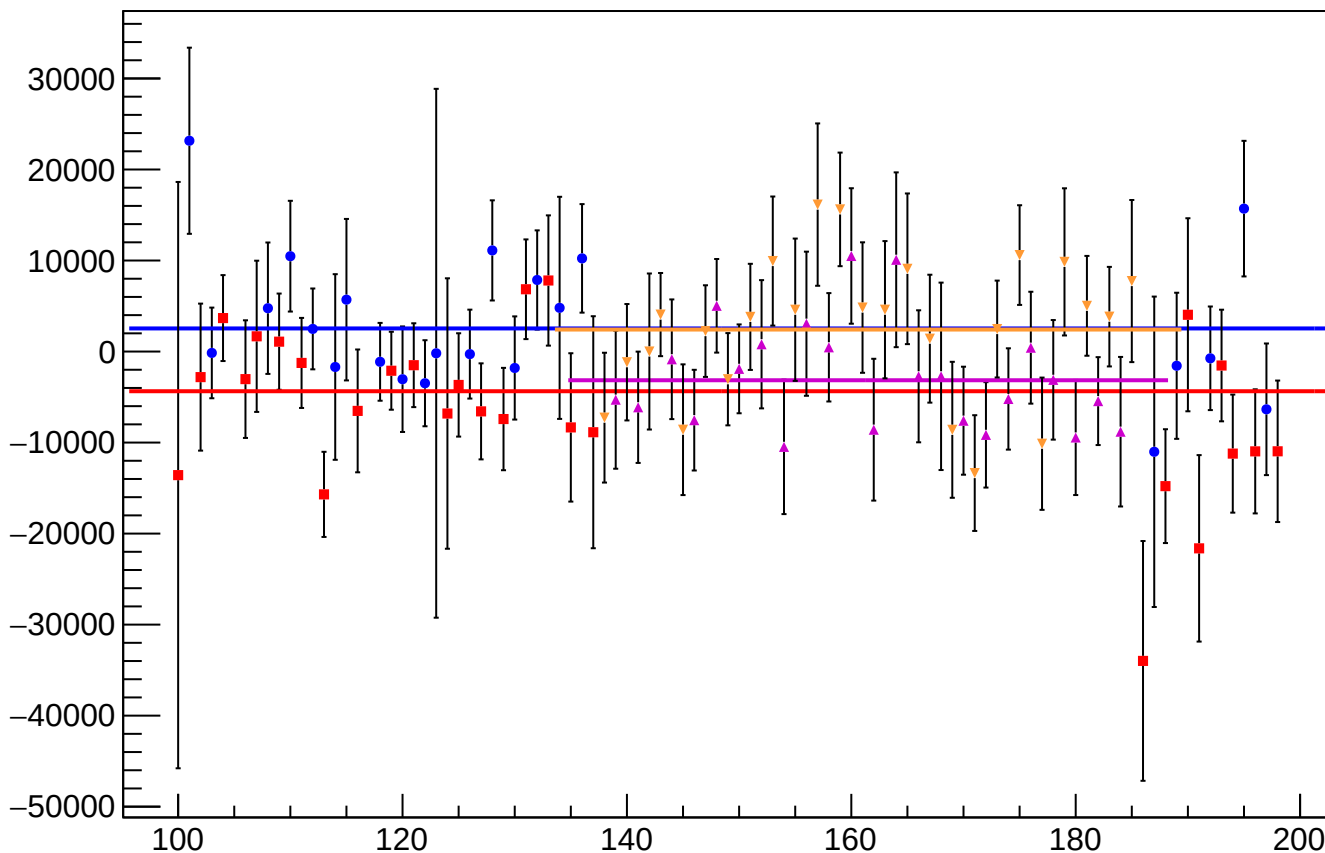
asym_atr1l2_avg_correction_rms vs Slug



Right In: 2476.229 ± 0.682 $\chi^2/\text{NDF}: 6094949.5/21$
 Left Out: 3013.268 ± 0.612 $\chi^2/\text{NDF}: 12270753.9/24$
 Right Out: 1695.649 ± 0.493 $\chi^2/\text{NDF}: 12114468.2/26$
 Left In: 5084.645 ± 0.879 $\chi^2/\text{NDF}: 1303587.7/22$

+ sign 2773.796 ± 0.455 $\chi^2/\text{NDF}: 18709306.9/46$
 All: 2632.831 ± 0.313 $\chi^2/\text{NDF}: 43610591.7/50$
 - sign 2507.048 ± 0.430 $\chi^2/\text{NDF}: 24719972.4/49$

asym_atr1l2_avg_mean vs Slug



Right In: 2538.415+/-1334.874 χ^2/NDF : 21.6/21

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -4359.770+/-1229.904 χ^2/NDF : 33.9/26

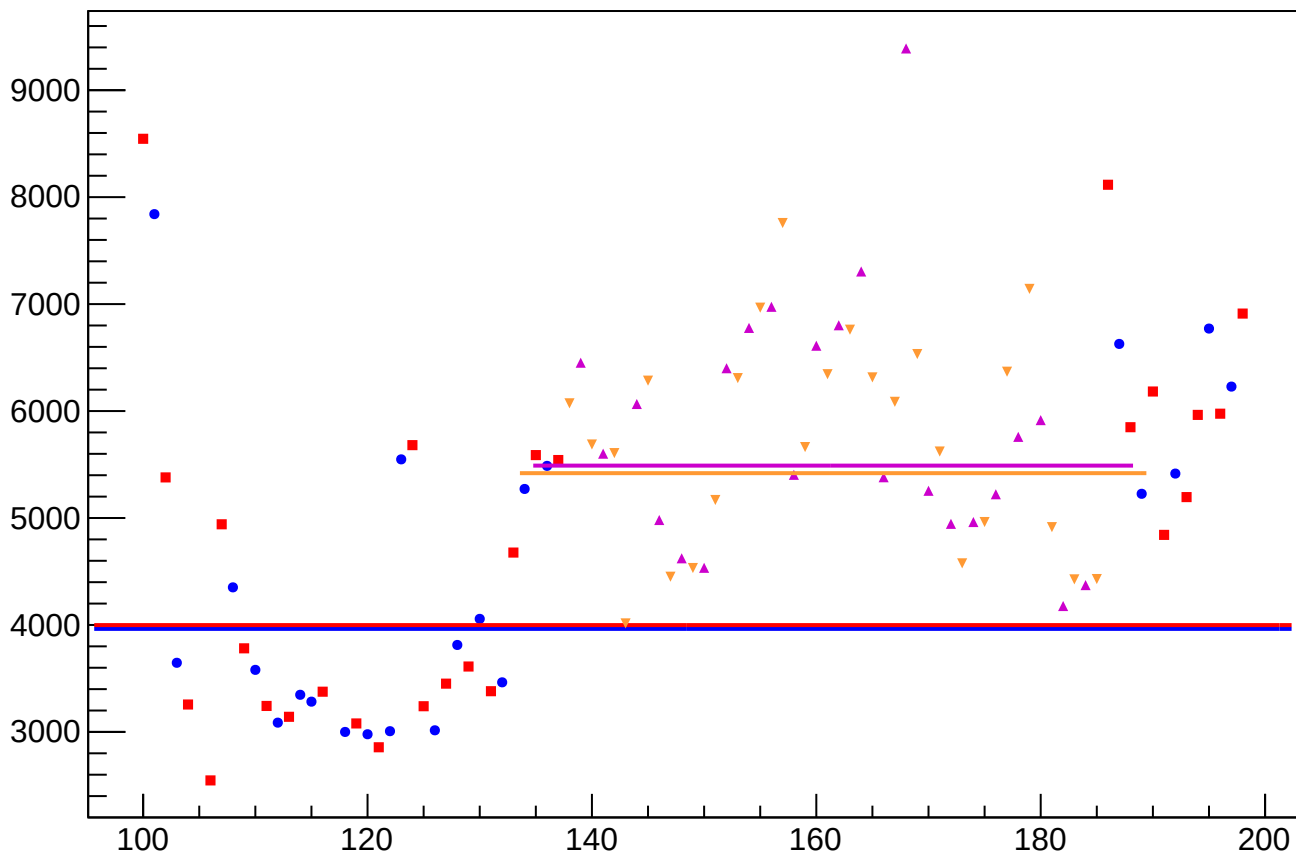
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2475.576+/-926.316 χ^2/NDF : 51.5/46

All: -737.842+/-647.442 χ^2/NDF : 124.9/96

- sign -3807.021+/-905.288 χ^2/NDF : 49.9/49

asym_atr1l2_avg_rms vs Slug



Right In: 3963.374+/-0.944 χ^2/NDF : 1610794.3/21

Left Out: 5419.305+/-0.910 χ^2/NDF :1109972.1/24

+ sign 4718.204+/-0.655 χ^2/NDF : 3954280.4/46

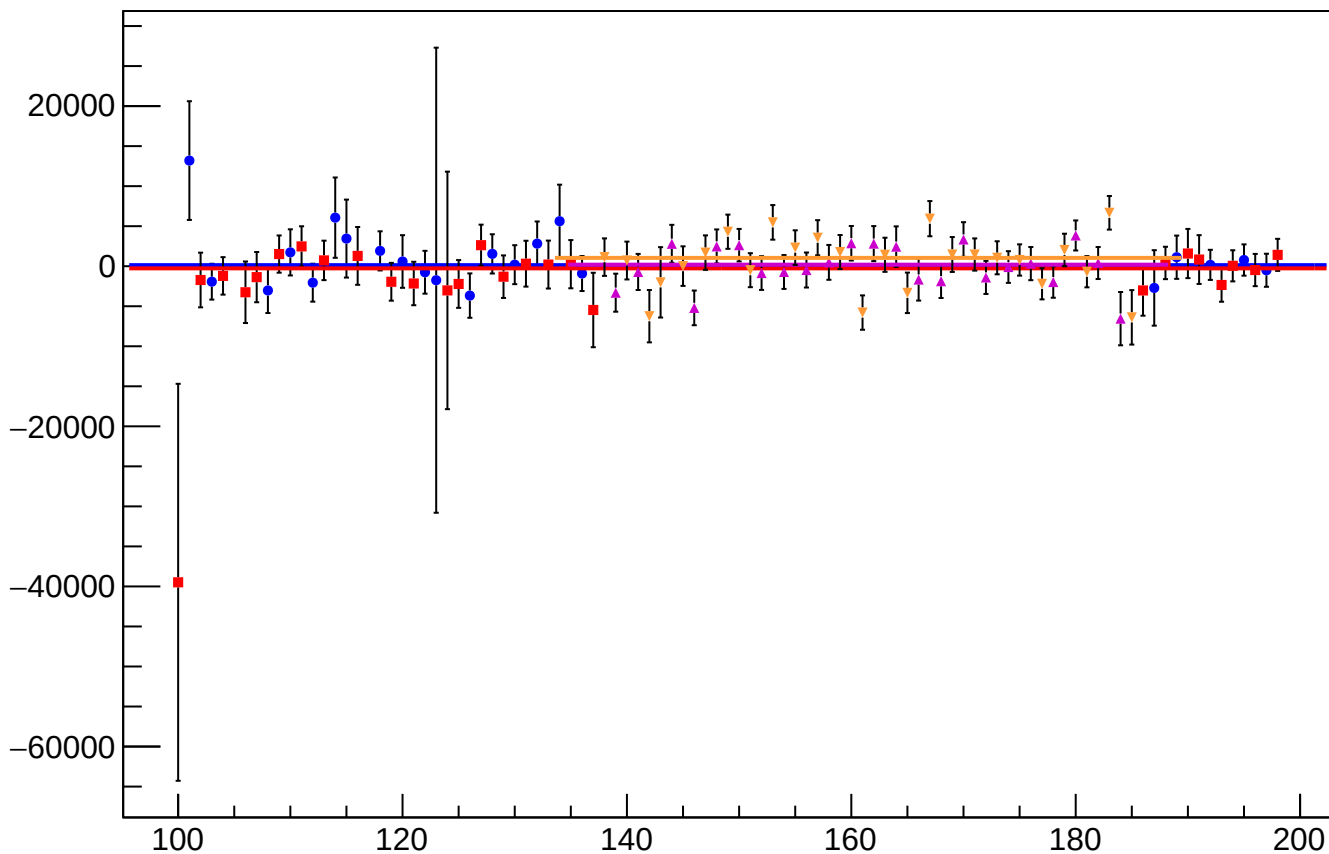
Right Out: 3998.738+/-0.860 χ^2/NDF : 2106191.3/26

All: 4695.327+/-0.456 χ^2/NDF : 8488042.8/96

Left In: 5489.885+/-0.946 χ^2/NDF :1064353.3/22

- sign 4673.741+/-0.636 χ^2/NDF : 4531391.5/49

reg_asym_atr1l2_dd_mean vs Slug



Right In: 133.526 $\pm$ 583.292 χ^2 /NDF: 14.4/21

Left Out: 1041.262 $\pm$ 446.249 χ^2 /NDF: 48.6/24

Right Out: -268.037 $\pm$ 520.816 χ^2 /NDF: 13.0/26

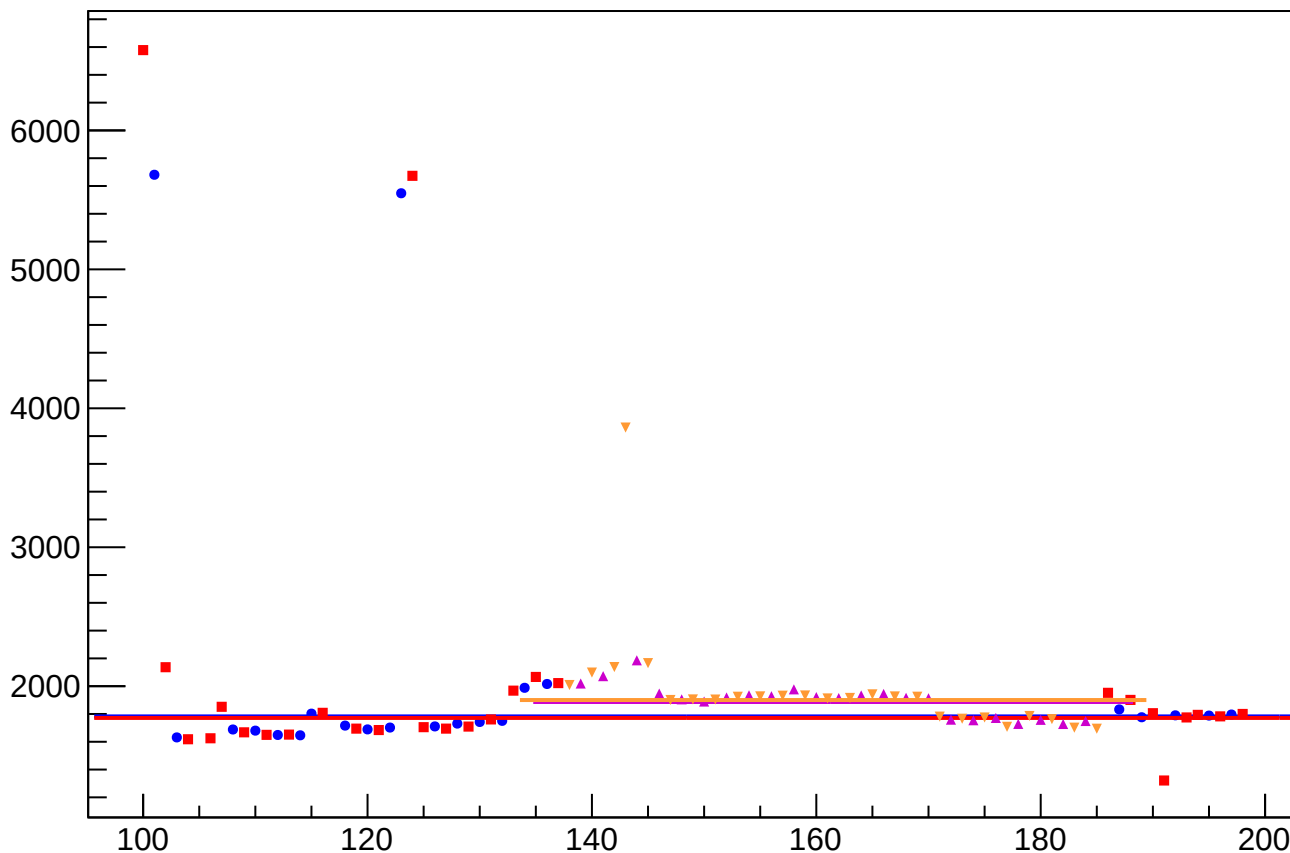
Left In: 191.966 $\pm$ 453.055 χ^2 /NDF: 30.0/22

+ sign 706.120 $\pm$ 354.422 χ^2 /NDF: 64.5/46

All: 337.082 $\pm$ 246.039 χ^2 /NDF: 110.1/96

- sign -6.183 $\pm$ 341.822 χ^2 /NDF: 43.5/49

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1782.463+/-0.412 χ^2/NDF : 643433.3/21

Left Out: 1900.295+/-0.316 χ^2/NDF : 537892.5/24

Right Out: 1771.597+/-0.367 χ^2/NDF : 365229.0/26

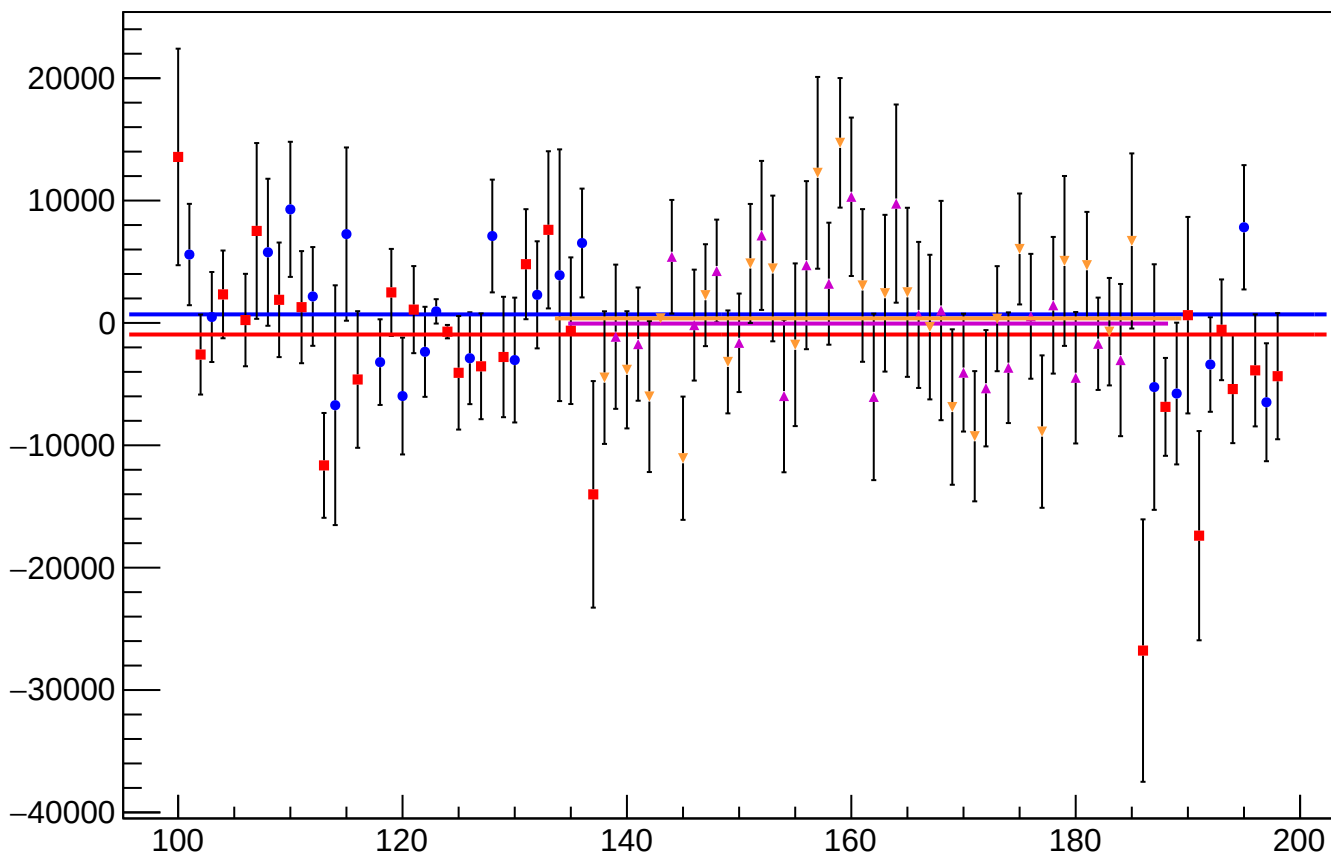
Left In: 1886.378+/-0.320 χ^2/NDF : 123520.6/22

+ sign 1856.791+/-0.251 χ^2/NDF : 1232809.0/46

All: 1846.370+/-0.174 χ^2/NDF : 1780437.9/96

- sign 1836.710+/-0.241 χ^2/NDF : 544297.4/49

asym_atr1l2_dd_correction_mean vs Slug



Right In: 698.397 ± 716.000 $\chi^2/\text{NDF}: 22.3/21$

Left Out: 373.277 ± 382.071 $\chi^2/\text{NDF}: 30.8/24$

Right Out: -946.023 ± 471.911 $\chi^2/\text{NDF}: 33.9/26$

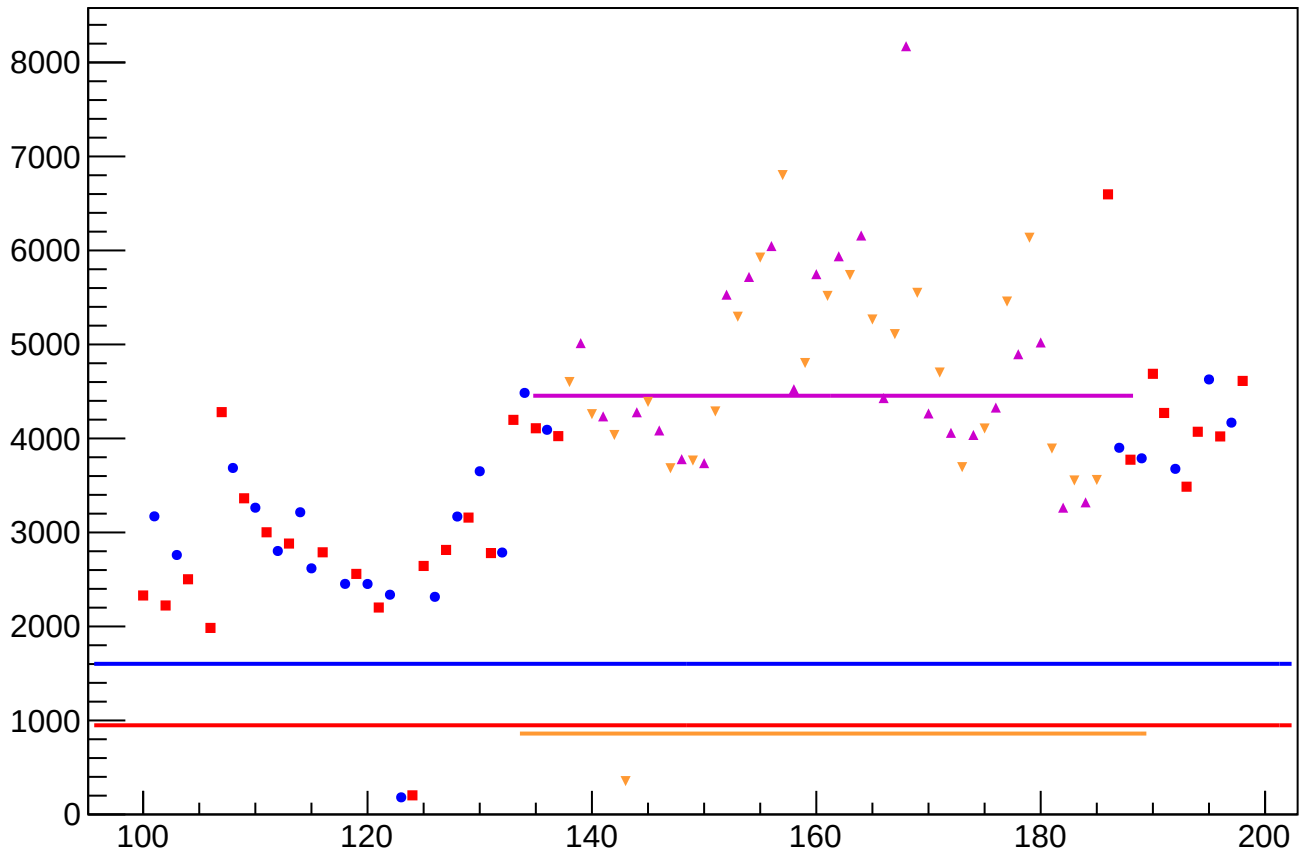
Left In: -53.099 ± 1089.888 $\chi^2/\text{NDF}: 14.5/22$

+ sign 445.336 ± 337.082 $\chi^2/\text{NDF}: 53.3/46$

All: -26.412 ± 265.999 $\chi^2/\text{NDF}: 107.5/96$

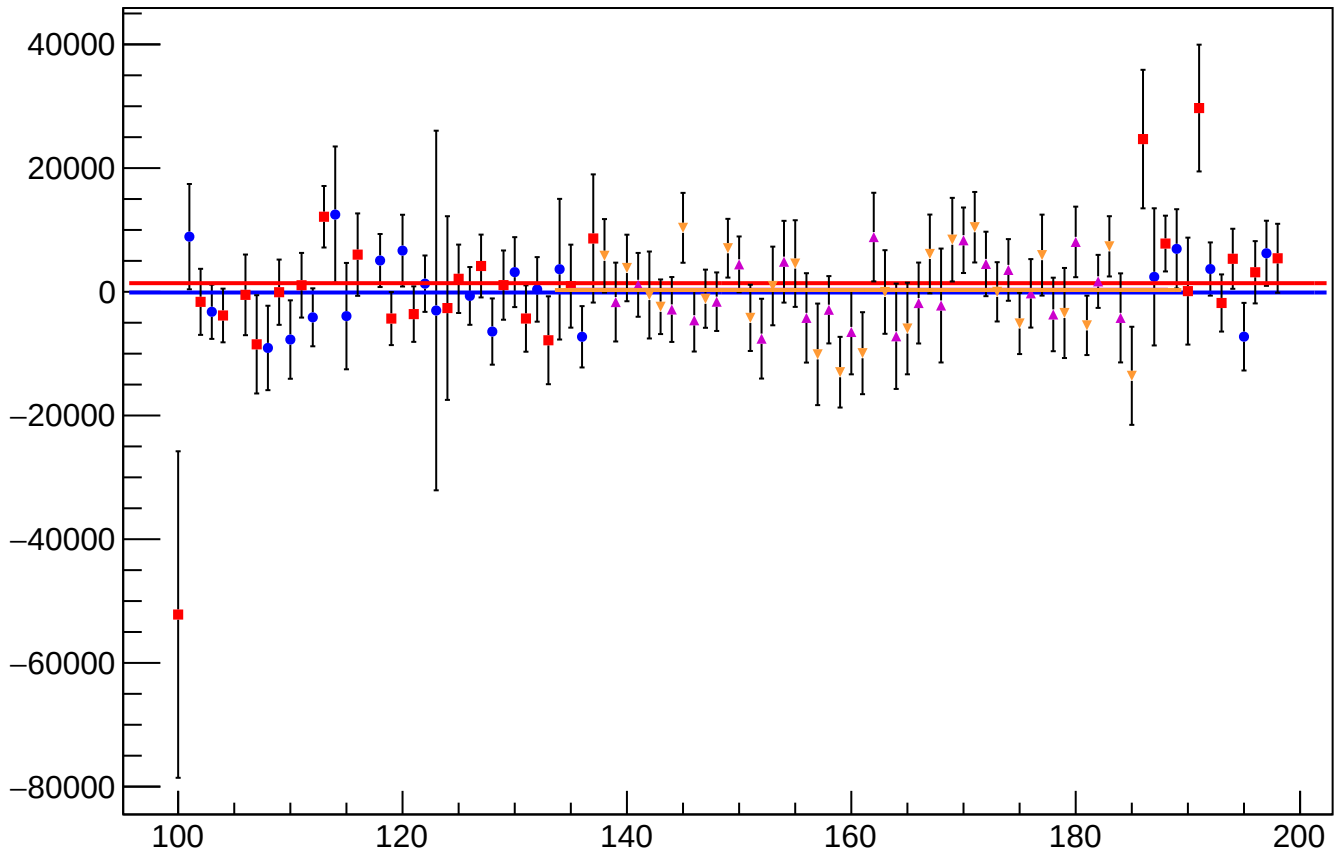
- sign -805.047 ± 433.059 $\chi^2/\text{NDF}: 49.0/49$

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1602.437+/-0.506	χ^2/NDF : 9312146.9/21	+ sign 1024.977+/-0.238	χ^2/NDF : 37323596.9/46
Left Out: 860.545+/-0.270	χ^2/NDF : 26340106.5/24	All: 1204.967+/-0.188	χ^2/NDF : 73457259.4/9
Right Out: 948.536+/-0.334	χ^2/NDF : 15845152.4/26	- sign 1502.046+/-0.306	χ^2/NDF : 34622224.5/49
Left In: 4454.402+/-0.771	χ^2/NDF : 1349758.1/22		

asym_atr1l2_dd_mean vs Slug



Right In: -114.331 ± 1225.139 χ^2/NDF : 19.1/21

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 1395.097 ± 1115.653 χ^2/NDF : 35.3/26

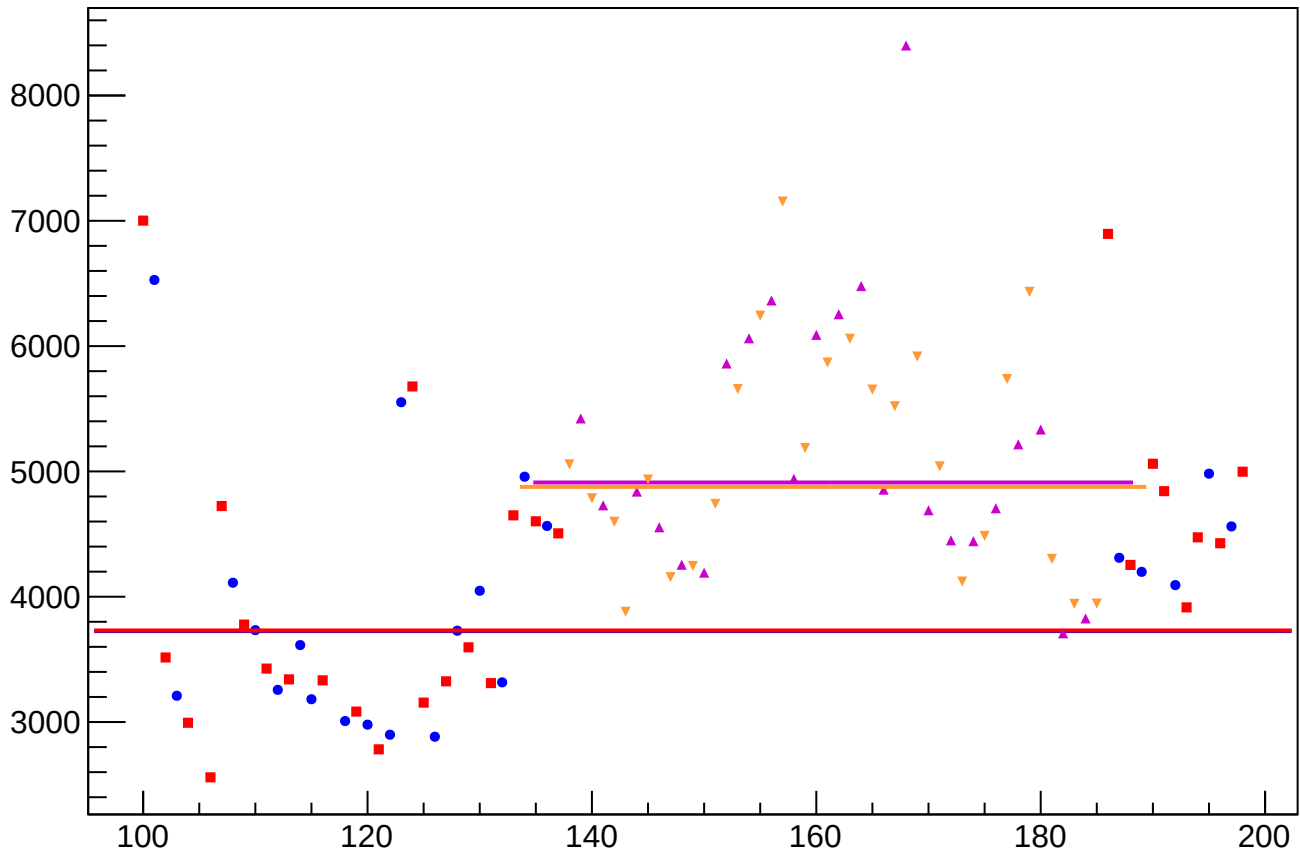
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign 98.877 ± 840.572 χ^2/NDF : 51.6/46

All: 511.762 ± 585.425 χ^2/NDF : 102.4/96

- sign 900.686 ± 815.816 χ^2/NDF : 50.3/49

asym_atr1l2_dd_rms vs Slug



Right In: 3725.963+/-0.866 χ^2/NDF : 793723.9/21

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3730.818+/-0.782 χ^2/NDF : 999522.1/26

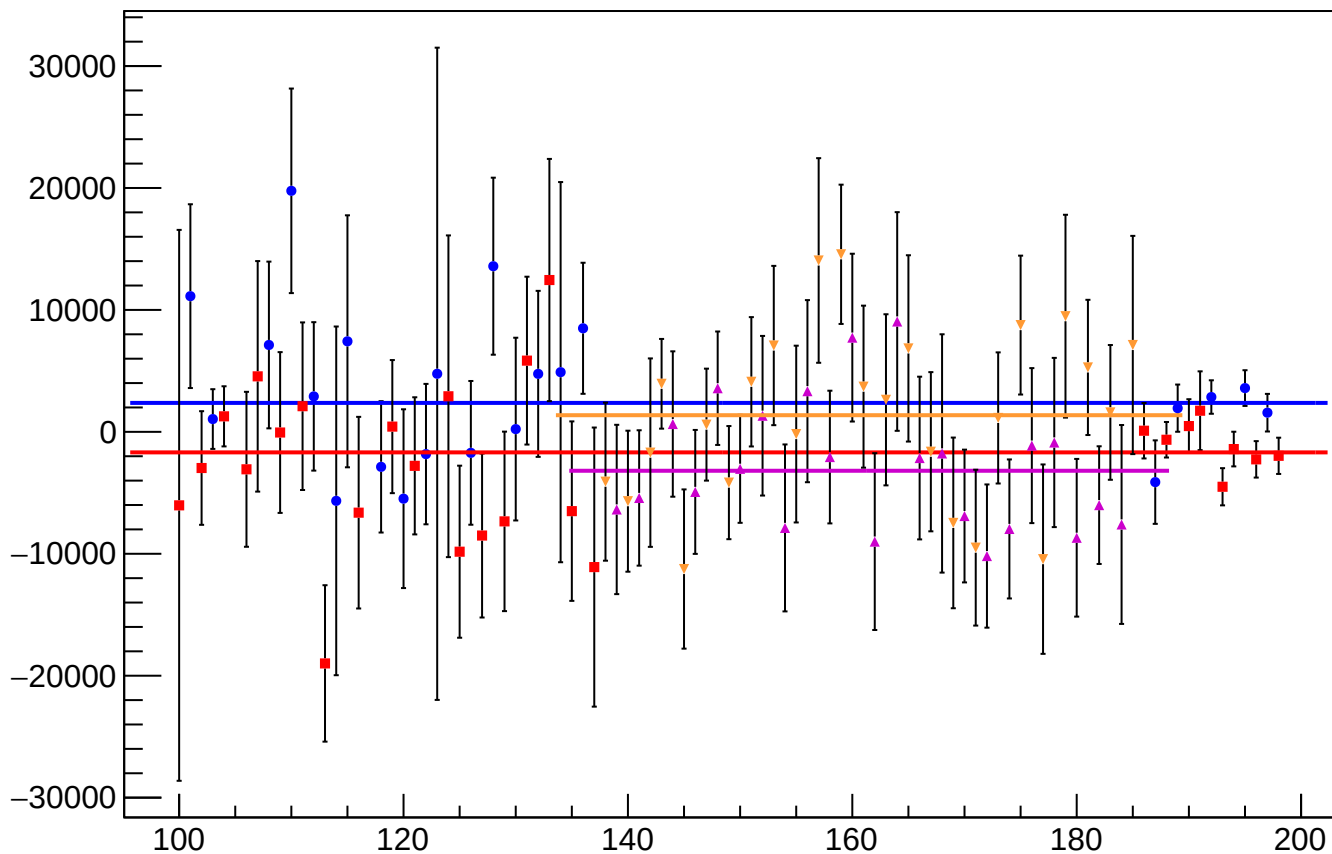
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4334.930+/-0.594 χ^2/NDF : 2699896.1/46

All: 4303.809+/-0.413 χ^2/NDF : 5799087.9/96

- sign 4274.782+/-0.574 χ^2/NDF : 3093893.2/49

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2374.042 $\pm$ 667.982 χ^2 /NDF: 18.7/21

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -1684.262 $\pm$ 549.350 χ^2 /NDF: 24.5/26

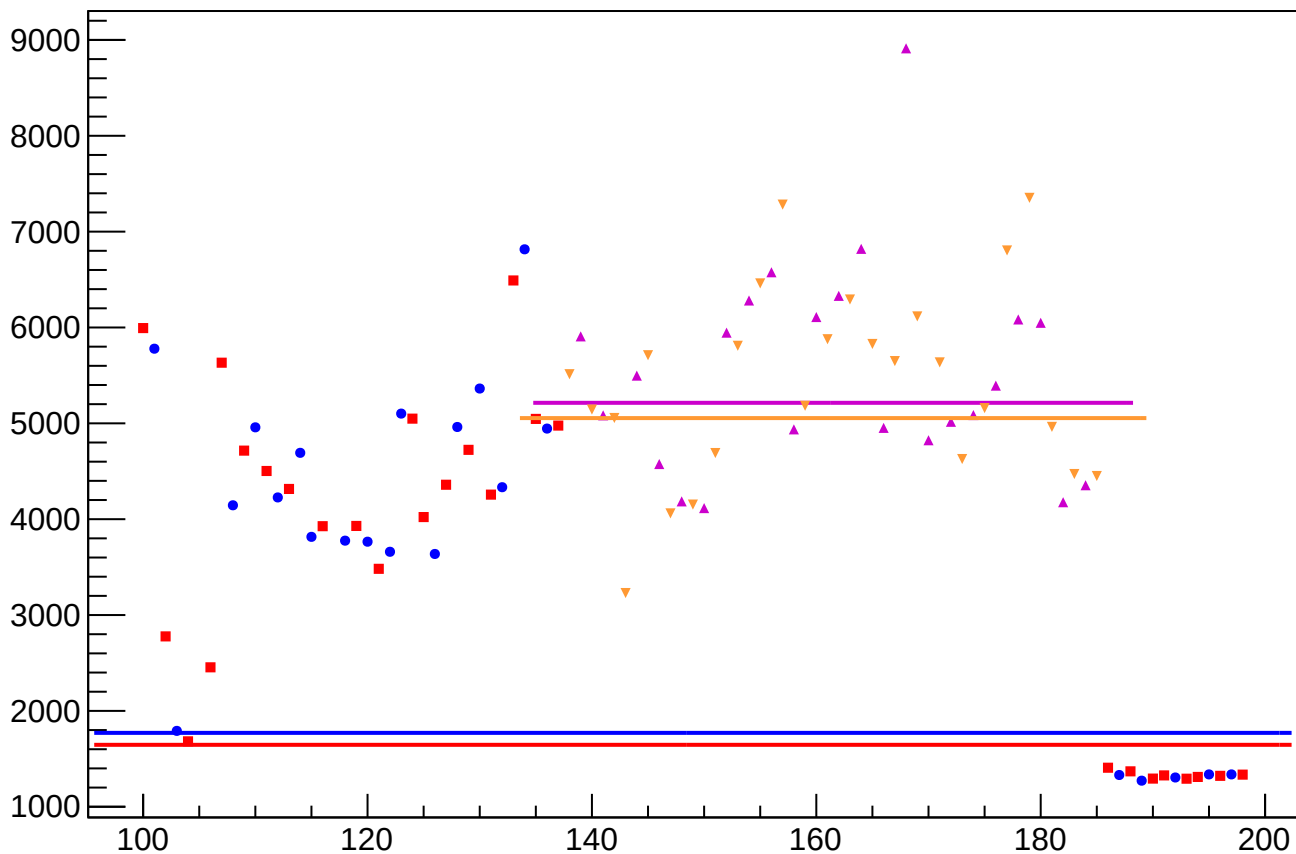
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 2137.256 $\pm$ 584.367 χ^2 /NDF: 47.2/46

All: -189.554 $\pm$ 381.747 χ^2 /NDF: 114.6/96

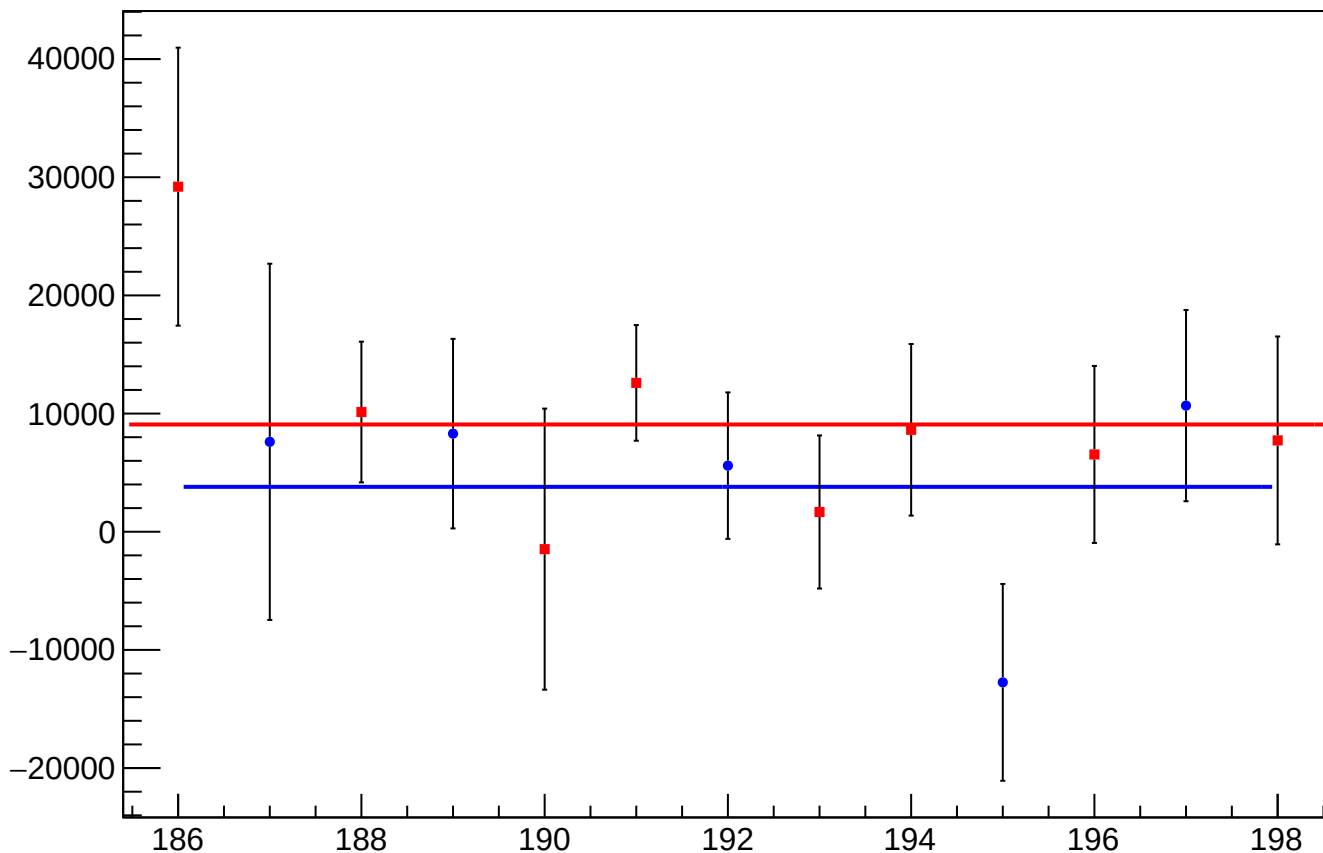
- sign -1921.767 $\pm$ 504.203 χ^2 /NDF: 39.7/49

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1770.775 $\pm$ 0.472 χ^2 /NDF: 5221238.9/21 + sign 2541.456 $\pm$ 0.413 χ^2 /NDF: 18002663.5/46
 Left Out: 5054.711 $\pm$ 0.853 χ^2 /NDF:1437224.7/24 All: 2349.557 $\pm$ 0.270 χ^2 /NDF: 38145309.6/5
 Right Out: 1646.062 $\pm$ 0.388 χ^2 /NDF: 5410238.9/26 - sign 2207.046 $\pm$ 0.356 χ^2 /NDF: 19766795.2/49
 Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF:1052501.5/22

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 3799.219+/-3635.351 χ^2/NDF : 5.1/4

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 9076.474+/-2517.359 χ^2/NDF : 5.7/7

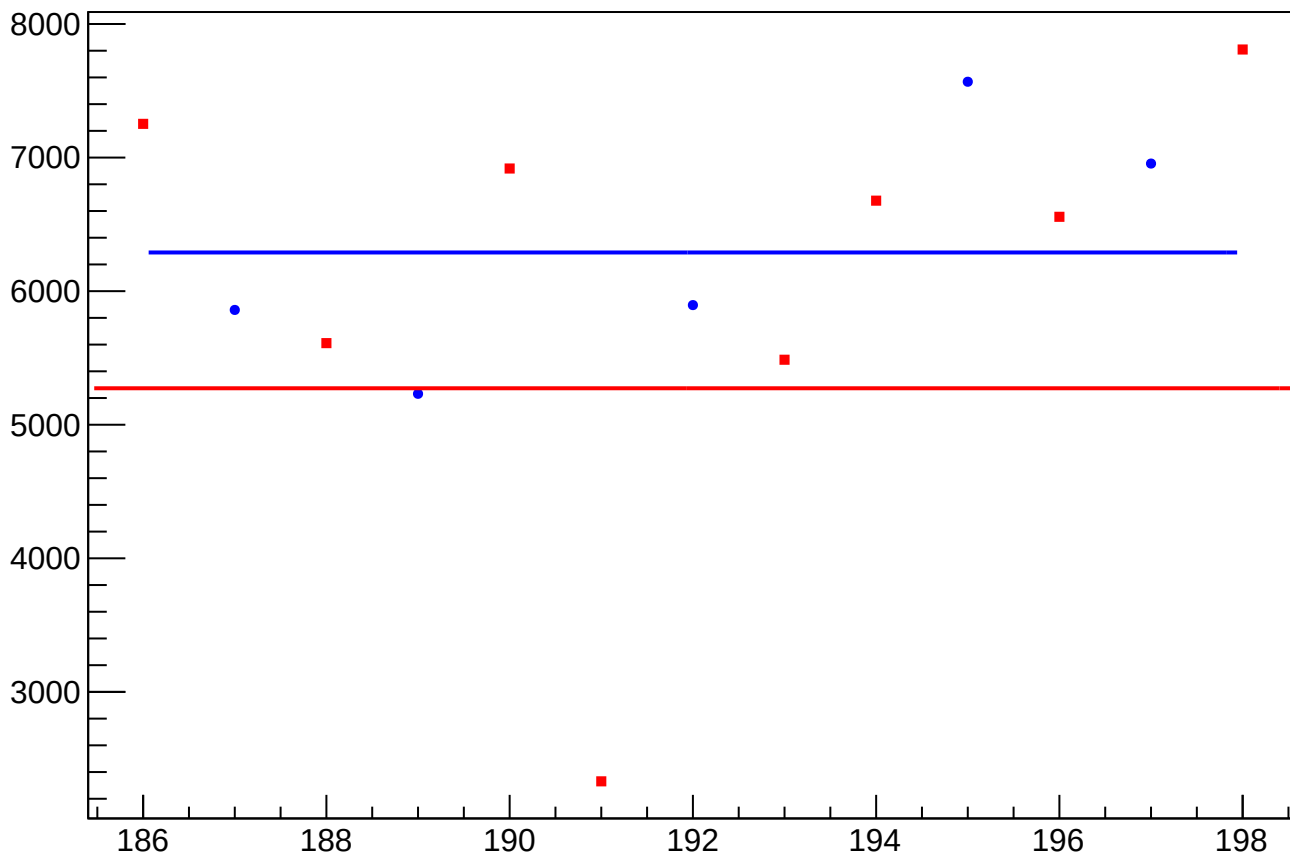
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7366.113+/-2069.599 χ^2/NDF : 12.3/12

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 6289.592 $\pm$ 2.571 χ^2 /NDF: 105121.3/4

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

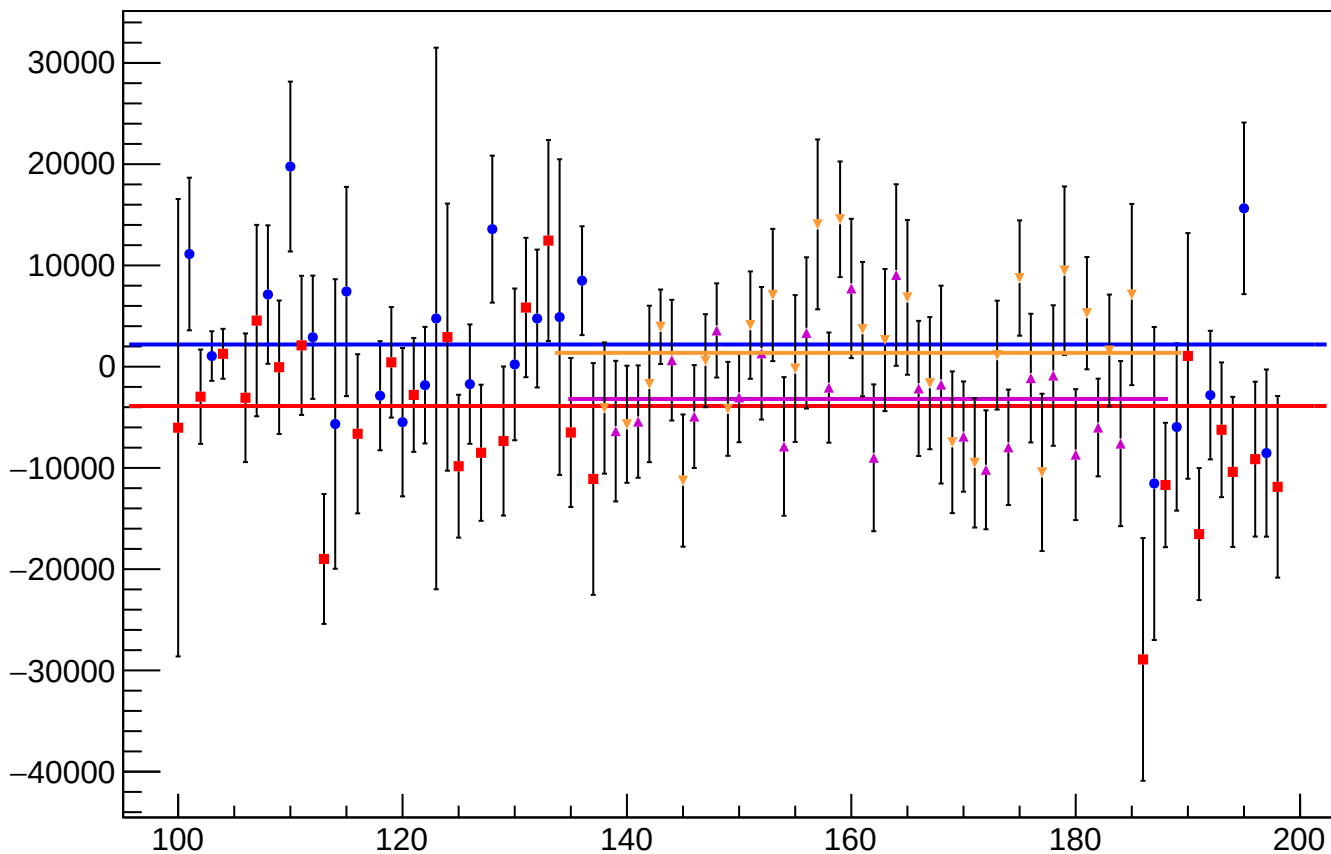
Right Out: 5273.030 $\pm$ 1.780 χ^2 /NDF: 1126412.7/7

All: 5602.498 $\pm$ 1.463 χ^2 /NDF: 1337237.0/12

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2191.173 $\pm$ 1355.877 χ^2 /NDF: 20.7/21

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -3884.857 $\pm$ 1234.493 χ^2 /NDF: 31.6/26

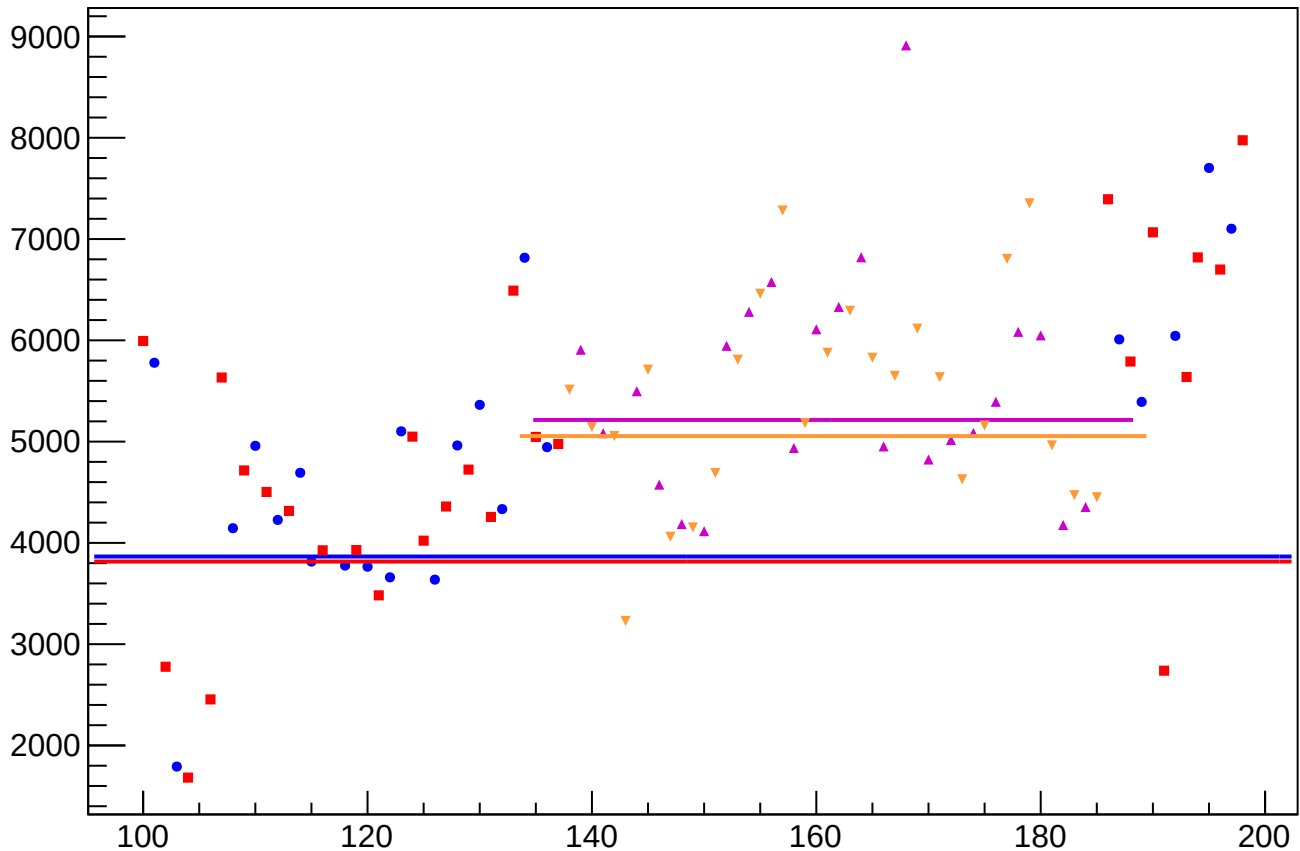
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 1730.054 $\pm$ 901.231 χ^2 /NDF: 48.9/46

All: -956.219 $\pm$ 631.527 χ^2 /NDF: 112.1/96

- sign -3547.847 $\pm$ 885.212 χ^2 /NDF: 45.8/49

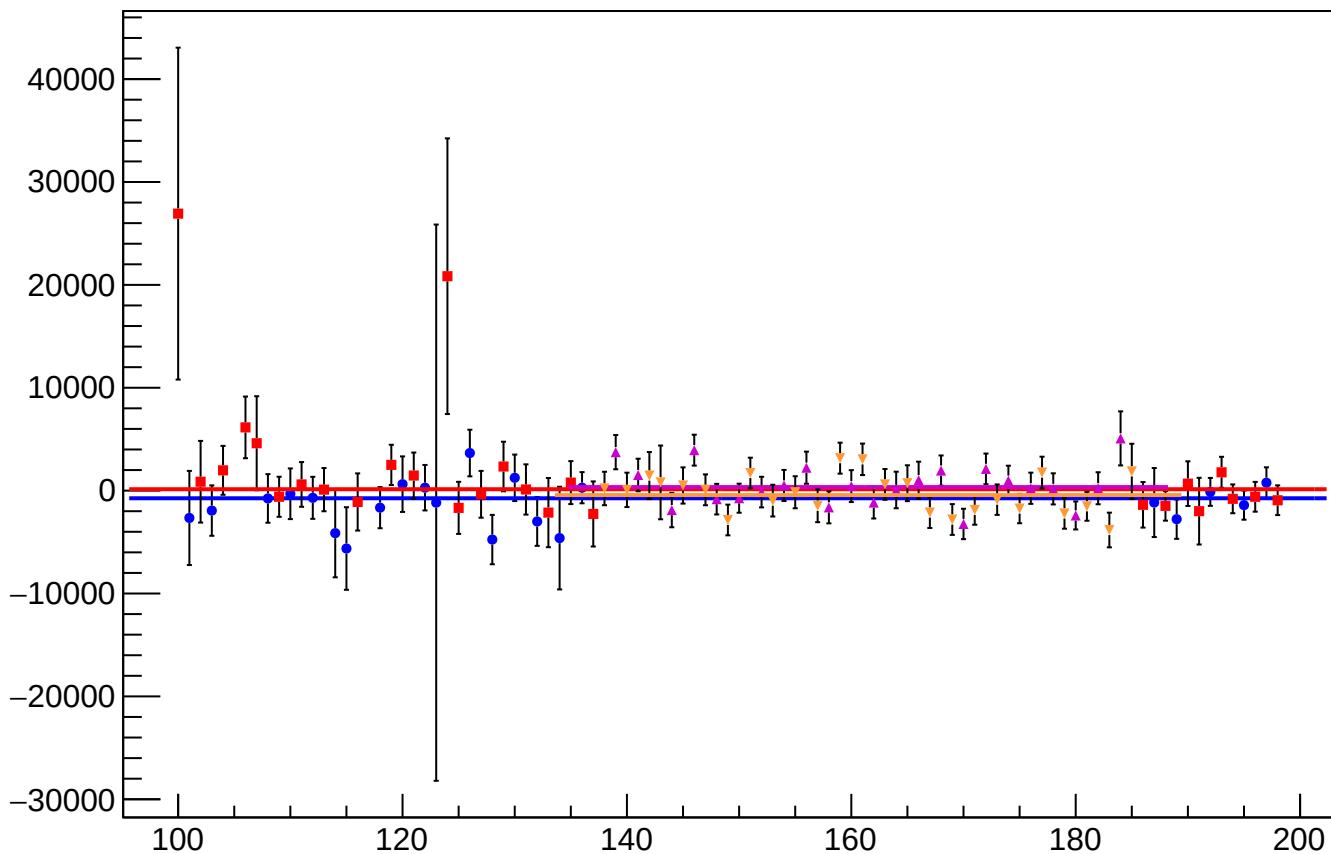
asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3865.404 $\pm$ 0.959 χ^2/NDF : 2972284.5/21
 Left Out: 5054.711 $\pm$ 0.853 χ^2/NDF : 1437224.7/24
 Right Out: 3815.864 $\pm$ 0.867 χ^2/NDF : 3962648.3/26
 Left In: 5214.120 $\pm$ 0.898 χ^2/NDF : 1052501.5/22

+ sign 4529.255 $\pm$ 0.637 χ^2/NDF : 5268469.8/46
 All: 4509.218 $\pm$ 0.446 χ^2/NDF : 11540964.2/50
 - sign 4490.033 $\pm$ 0.624 χ^2/NDF : 6270559.2/49

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -742.939 $\pm$ 467.402 χ^2 /NDF: 15.1/21

Left Out: -431.715 $\pm$ 320.540 χ^2 /NDF: 33.1/24

Right Out: 137.257 $\pm$ 418.464 χ^2 /NDF: 20.2/26

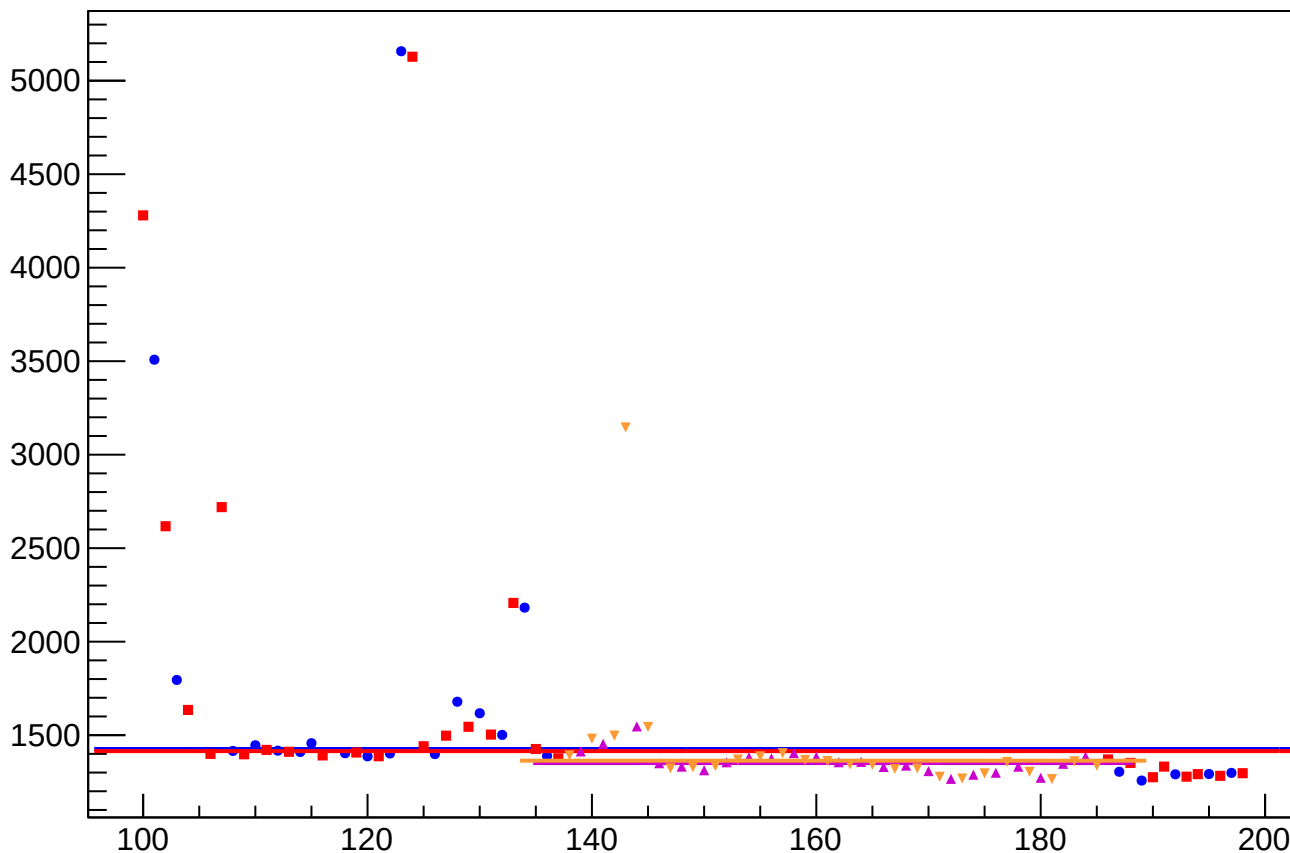
Left In: 343.737 $\pm$ 324.368 χ^2 /NDF: 33.8/22

+ sign -531.266 $\pm$ 264.349 χ^2 /NDF: 48.5/46

All: -120.293 $\pm$ 184.037 χ^2 /NDF: 107.3/96

- sign 266.239 $\pm$ 256.368 χ^2 /NDF: 54.1/49

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1425.978+/-0.331 χ^2 /NDF: 655507.4/21

Left Out: 1363.561+/-0.227 χ^2 /NDF: 575226.6/24

Right Out: 1414.643+/-0.296 χ^2 /NDF: 780055.3/26

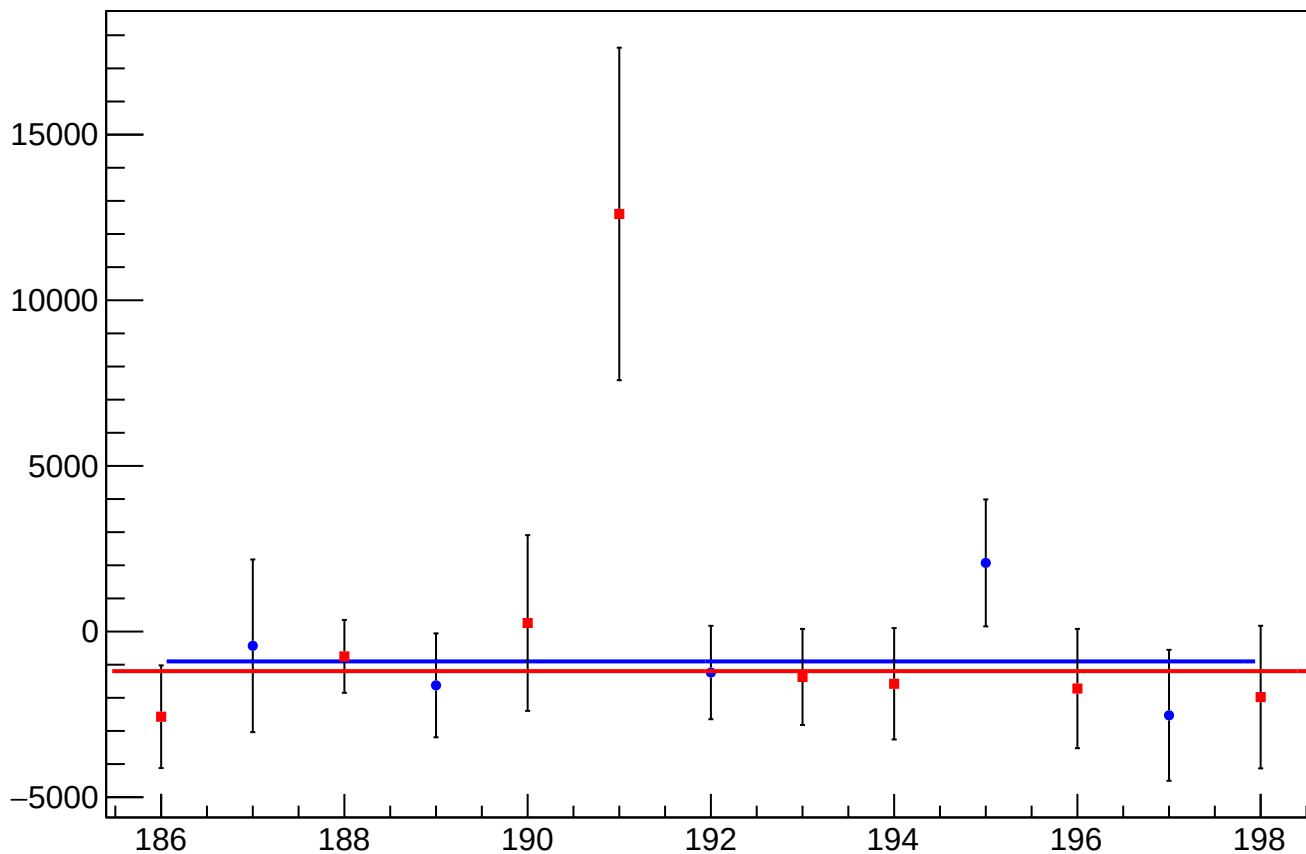
Left In: 1350.909+/-0.229 χ^2 /NDF: 67144.5/22

+ sign 1383.527+/-0.187 χ^2 /NDF: 1254991.4/46

All: 1379.045+/-0.130 χ^2 /NDF: 2132287.3/96

- sign 1374.830+/-0.181 χ^2 /NDF: 876180.5/49

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -901.006+/-794.294 χ^2/NDF : 3.4/4

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -1194.393+/-599.901 χ^2/NDF : 9.1/7

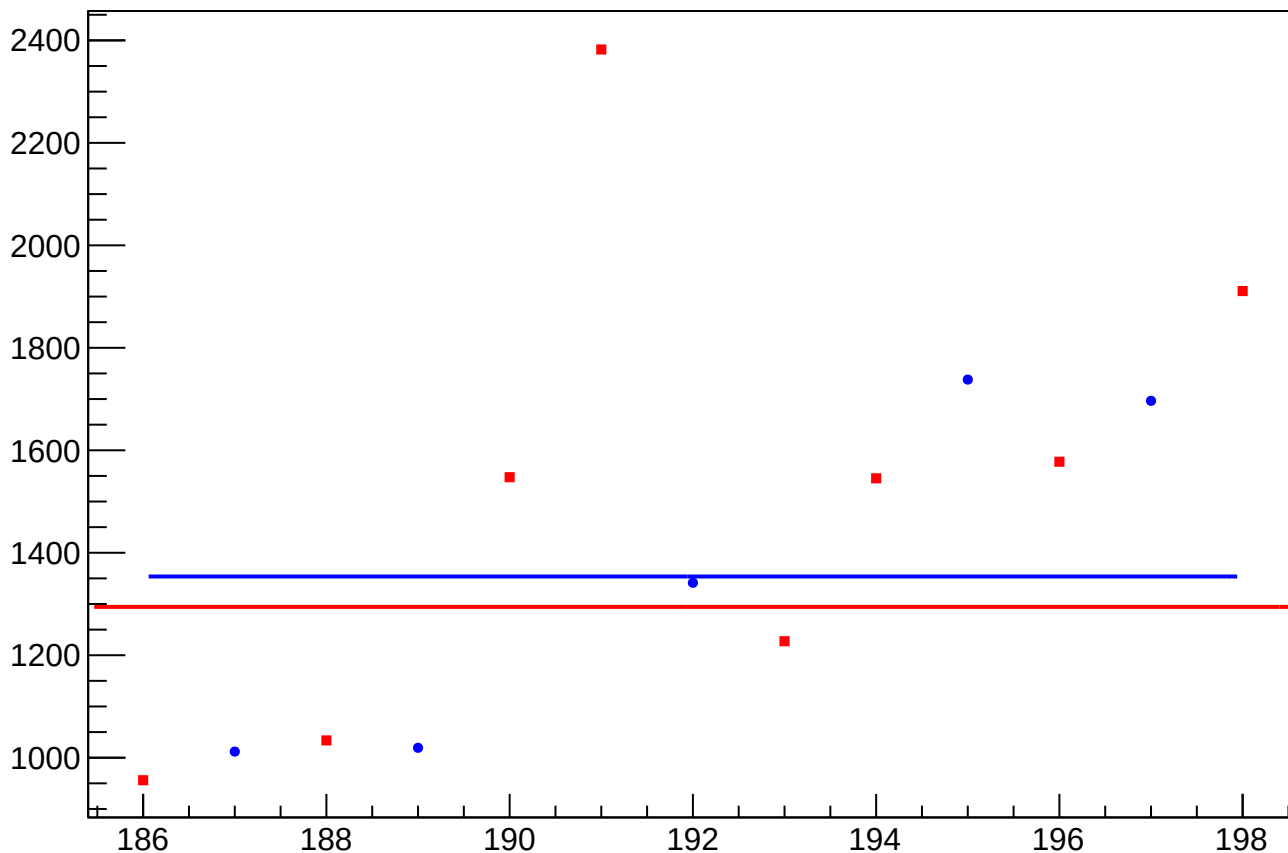
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1087.827+/-478.708 χ^2/NDF : 12.6/12

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1353.703 $\pm$ 0.562 χ^2 /NDF: 266008.2/4

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

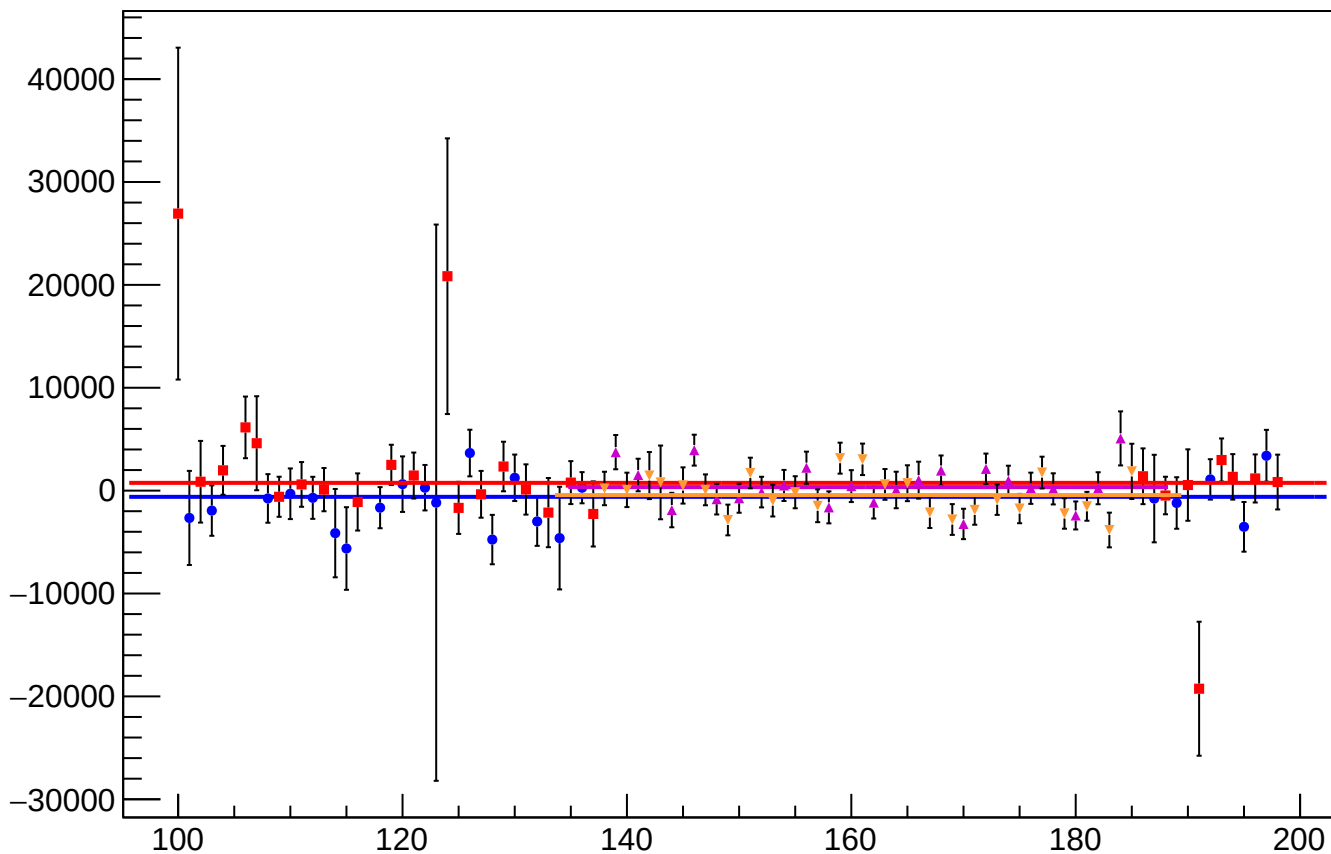
Right Out: 1294.415 $\pm$ 0.424 χ^2 /NDF: 582176.8/7

All: 1315.950 $\pm$ 0.338 χ^2 /NDF: 855280.4/12

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -603.974 ± 532.214 χ^2/NDF : 17.4/21

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 756.175 ± 493.348 χ^2/NDF : 25.5/26

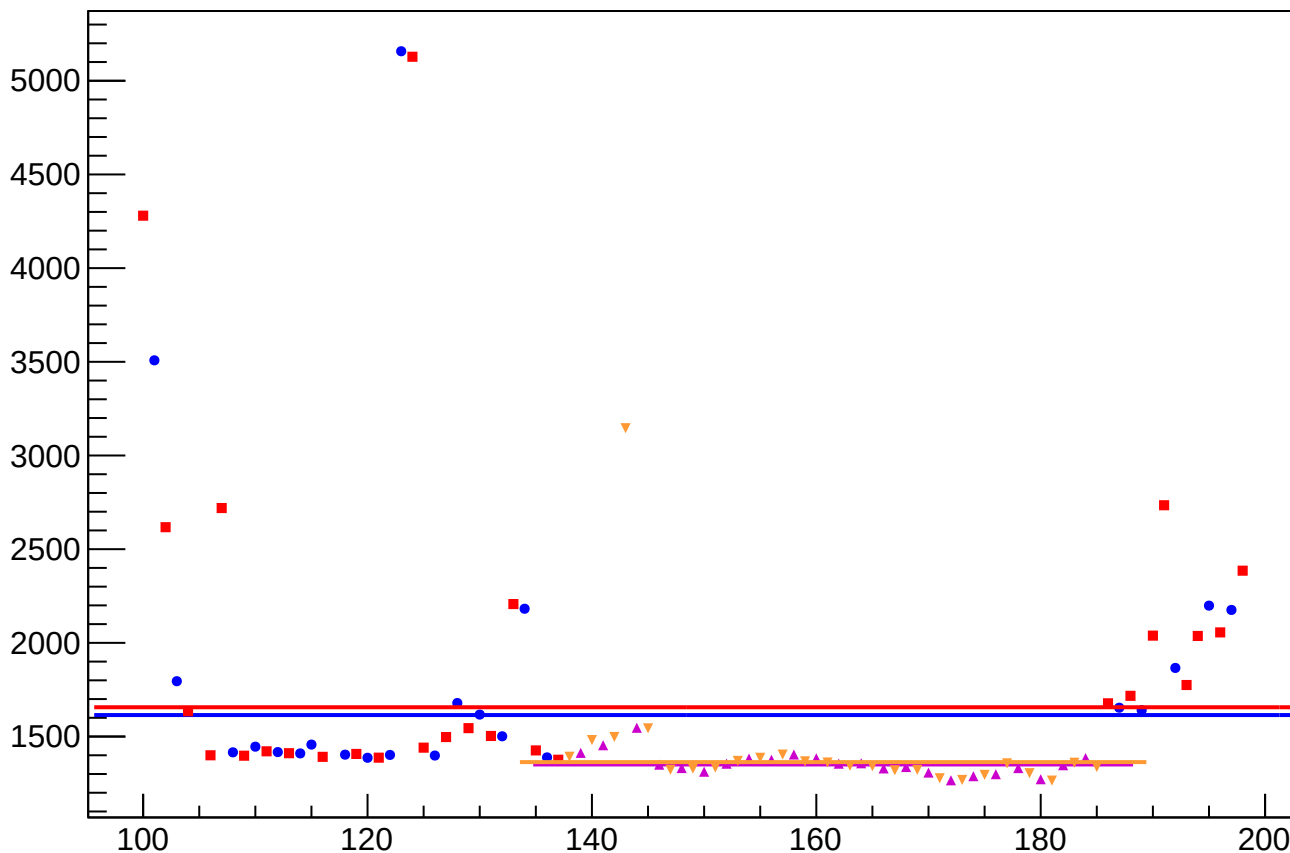
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -477.567 ± 274.585 χ^2/NDF : 50.5/46

All: 1.479 ± 192.893 χ^2/NDF : 116.3/96

- sign 468.217 ± 271.034 χ^2/NDF : 59.8/49

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1614.639+/-0.376 χ^2/NDF : 836935.1/21

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1656.317+/-0.349 χ^2/NDF : 1078425.5/26

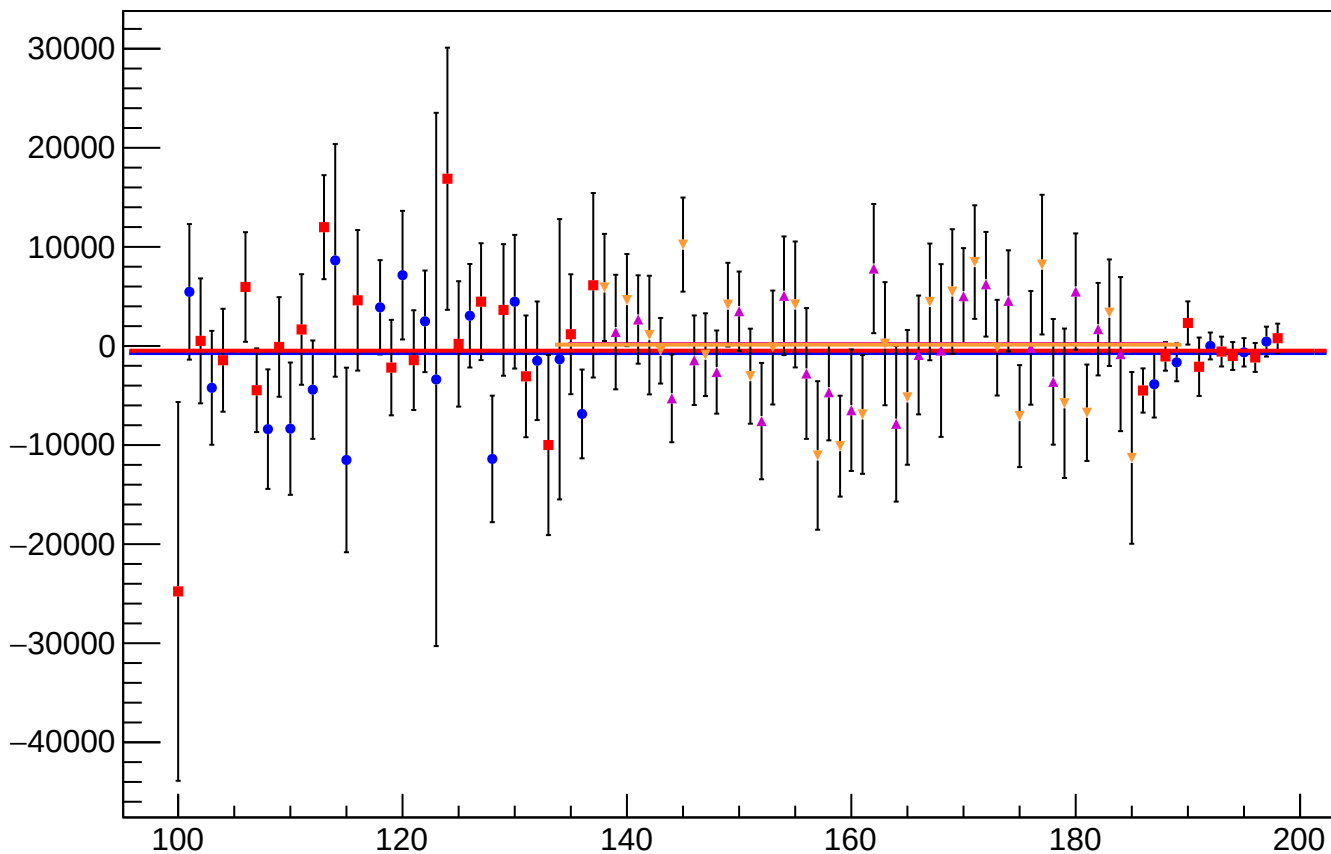
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1430.394+/-0.194 χ^2/NDF : 1738796.7/46

All: 1436.823+/-0.136 χ^2/NDF : 3421660.8/96

- sign 1443.086+/-0.192 χ^2/NDF : 1680699.7/49

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -714.409 ± 664.213 $\chi^2/\text{NDF}: 17.2/21$

Left Out: 132.142 ± 1065.543 $\chi^2/\text{NDF}: 28.1/24$

Right Out: -477.373 ± 541.289 $\chi^2/\text{NDF}: 21.5/26$

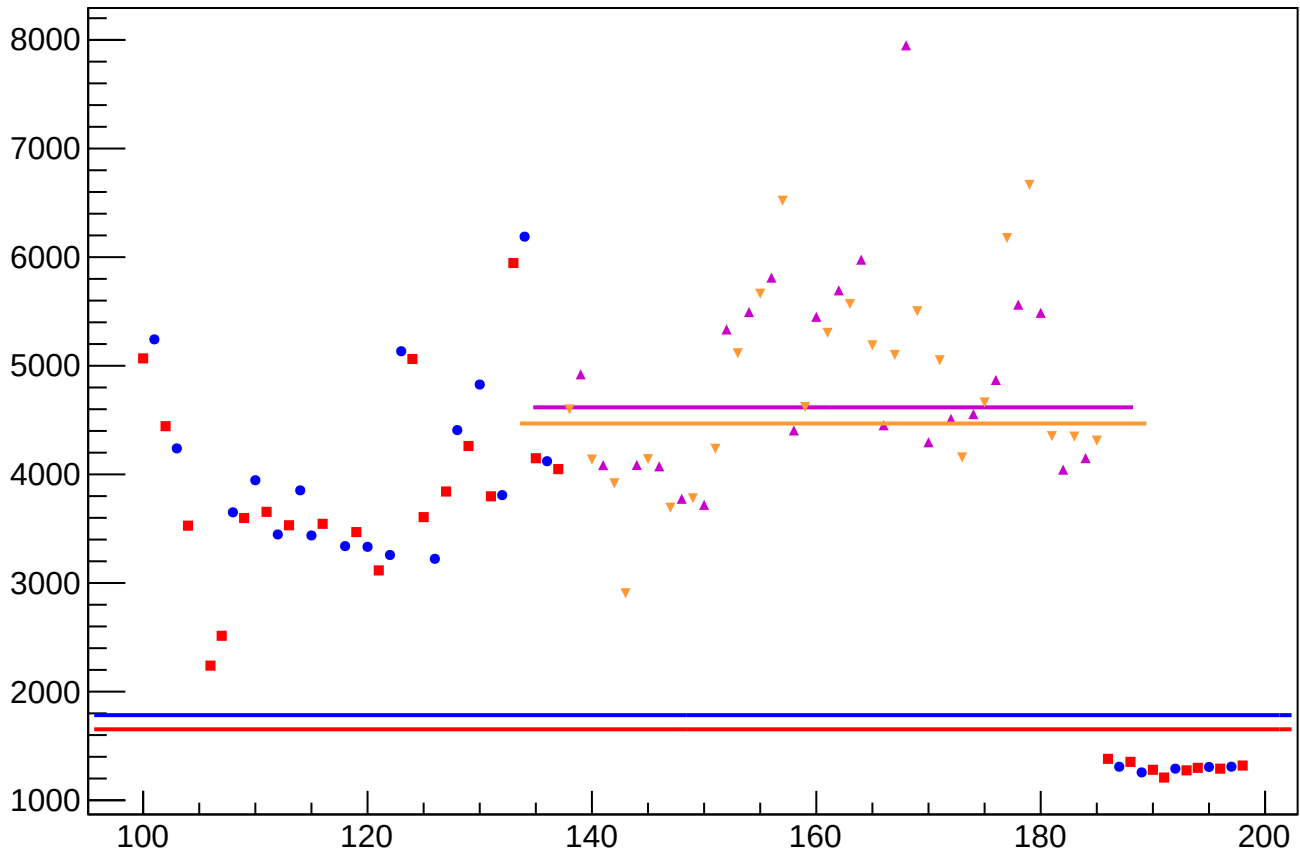
Left In: 200.182 ± 1123.499 $\chi^2/\text{NDF}: 14.7/22$

+ sign -477.513 ± 563.667 $\chi^2/\text{NDF}: 45.8/46$

All: -404.428 ± 368.788 $\chi^2/\text{NDF}: 82.4/96$

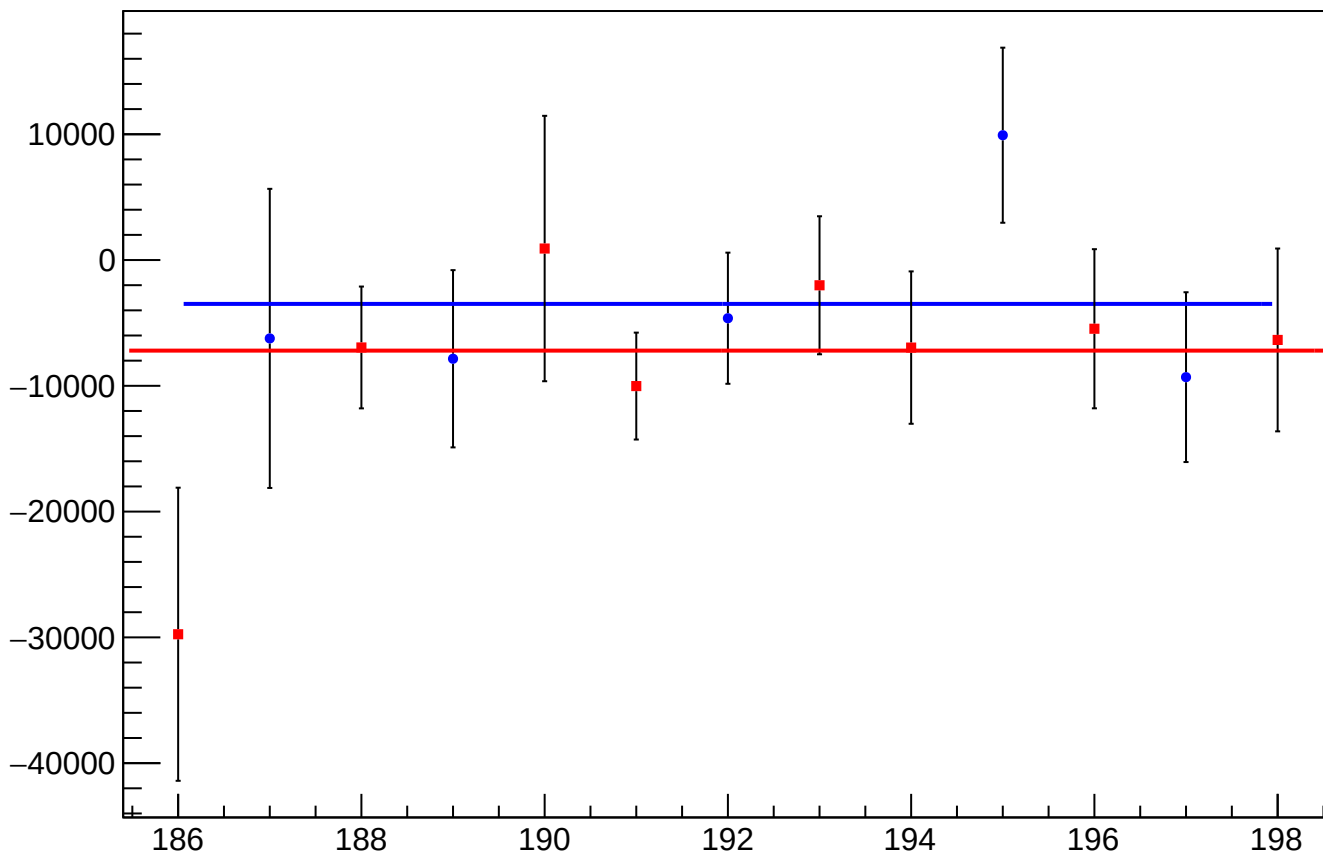
- sign -349.728 ± 487.644 $\chi^2/\text{NDF}: 36.6/49$

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1783.490+/-0.470	χ^2/NDF : 4893612.8/21	+ sign 2534.853+/-0.399	χ^2/NDF : 15419951.5/46
Left Out: 4468.520+/-0.753	χ^2/NDF : 1380601.0/24	All: 2349.040+/-0.261	χ^2/NDF : 33111464.4/9
Right Out: 1653.154+/-0.382	χ^2/NDF : 5007551.8/26	- sign 2210.287+/-0.344	χ^2/NDF : 17311876.2/49
Left In: 4617.293+/-0.794	χ^2/NDF : 999599.8/22		

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -3487.993+/-3062.782 χ^2 /NDF: 4.9/4

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Right Out: -7201.372+/-2138.146 χ^2 /NDF: 5.8/7

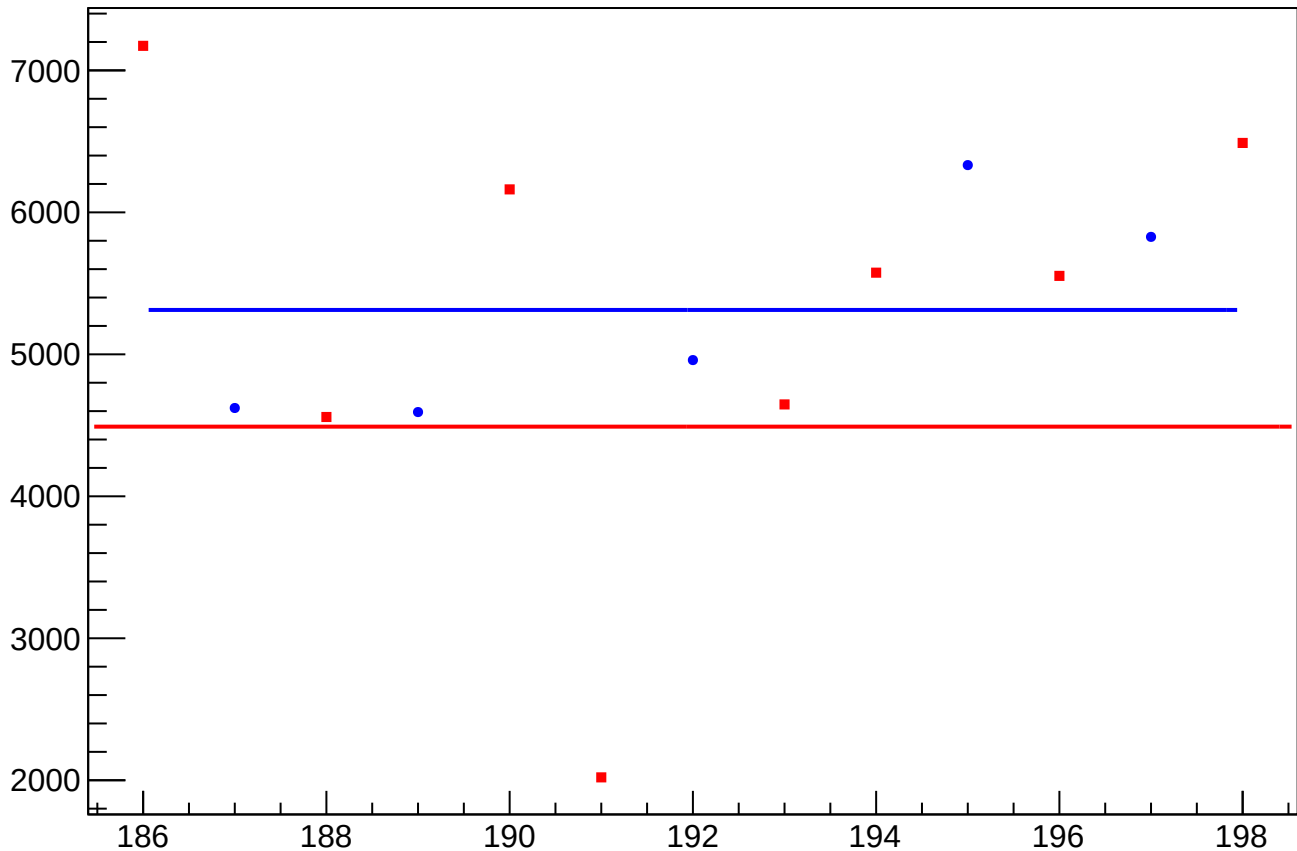
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -5984.631+/-1753.196 χ^2 /NDF: 11.7/12

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5312.628+/-2.166 χ^2/NDF : 91364.8/4

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

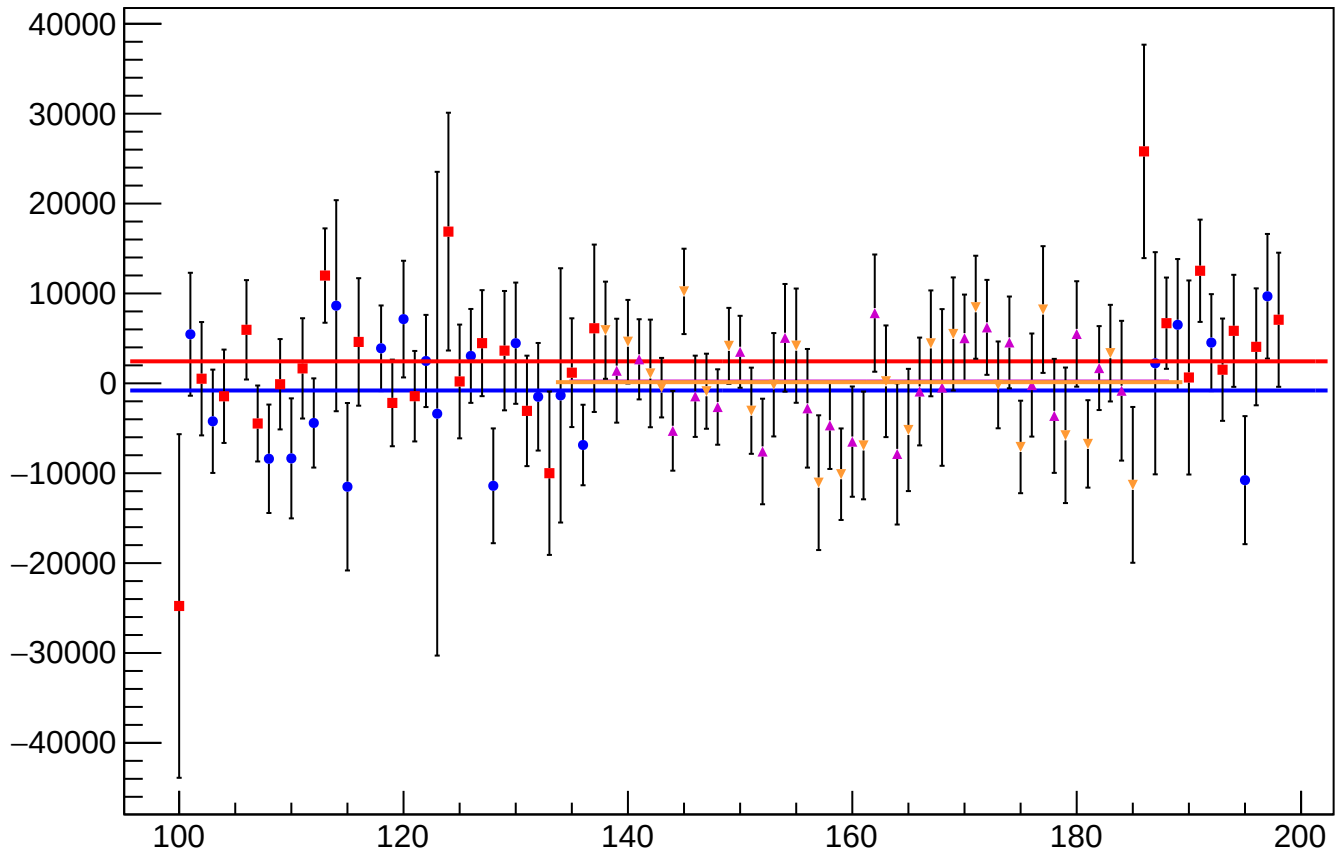
Right Out: 4490.705+/-1.512 χ^2/NDF : 1105604.2/7

All: 4760.020+/-1.240 χ^2/NDF : 1293807.1/12

- 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: -795.749+/-1368.105 χ^2/NDF : 21.5/21

Left Out: 132.142+/-1065.543 χ^2/NDF : 28.1/24

Right Out: 2447.238+/-1189.067 χ^2/NDF : 23.8/26

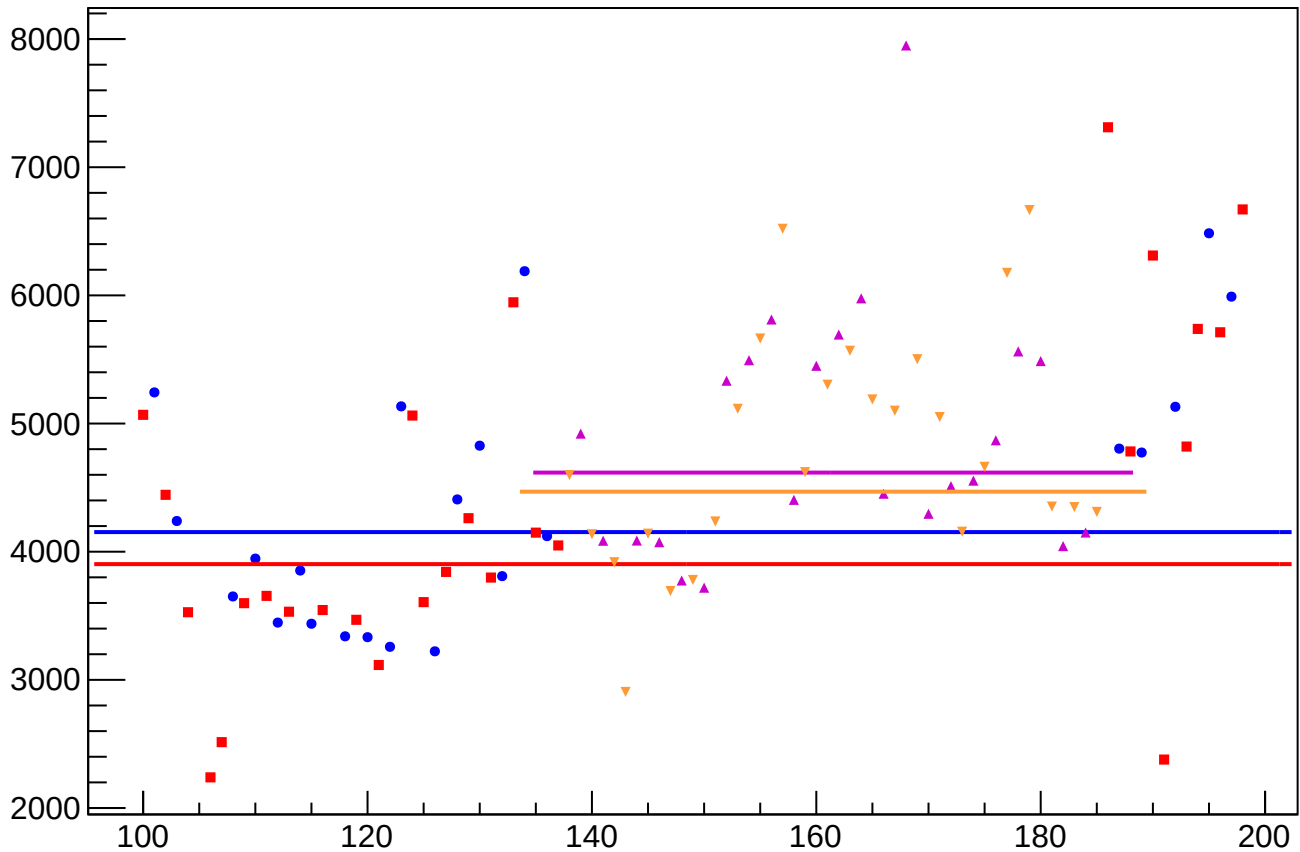
Left In: 200.182+/-1123.499 χ^2/NDF : 14.7/22

+ sign -218.200+/-840.653 χ^2/NDF : 49.9/46

All: 542.349+/-585.754 χ^2/NDF : 91.9/96

- sign 1260.051+/-816.630 χ^2/NDF : 40.4/49

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4152.999 $\pm$ 0.967 χ^2 /NDF: 849601.2/21

Left Out: 4468.520 $\pm$ 0.753 χ^2 /NDF:1380601.0/24

Right Out: 3903.025 $\pm$ 0.835 χ^2 /NDF: 1829538.8/26

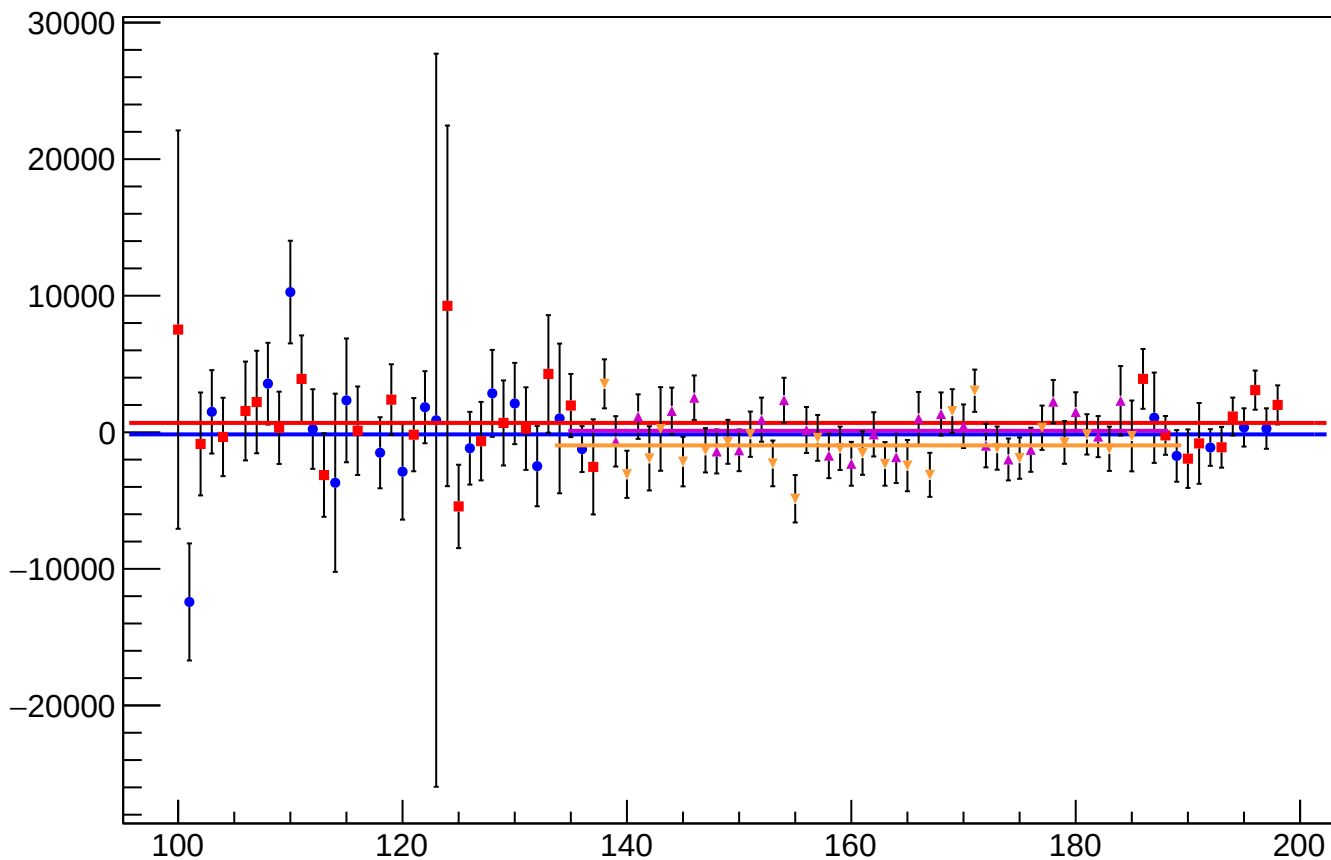
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 4349.386 $\pm$ 0.594 χ^2 /NDF: 2296416.4/46

All: 4312.529 $\pm$ 0.414 χ^2 /NDF: 5517028.4/96

- sign 4277.971 $\pm$ 0.576 χ^2 /NDF: 3213162.7/49

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -153.477 ± 523.080 χ^2/NDF : 24.0/21

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 685.967 ± 455.231 χ^2/NDF : 20.0/26

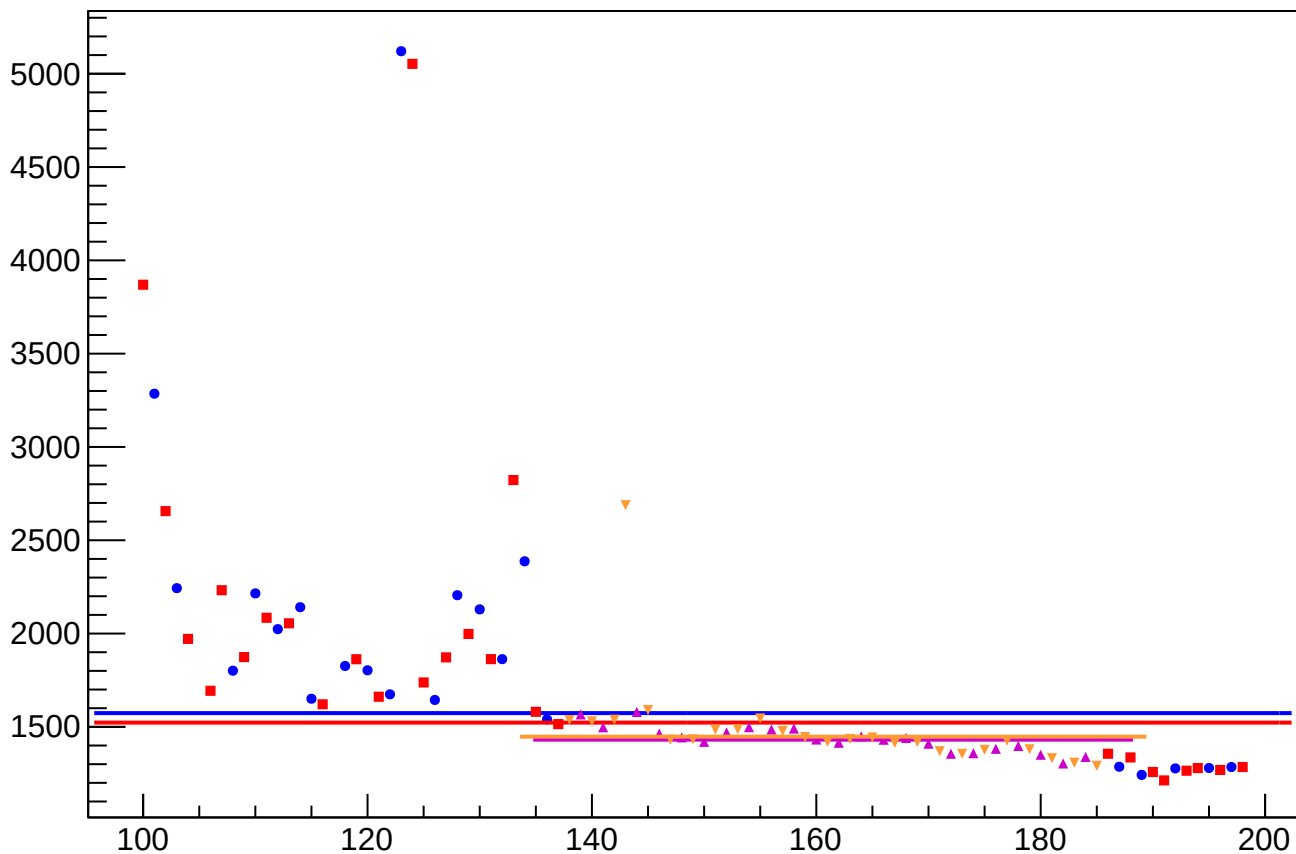
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -719.835 ± 284.774 χ^2/NDF : 54.2/46

All: -181.704 ± 197.552 χ^2/NDF : 101.5/96

- sign 317.502 ± 274.281 χ^2/NDF : 40.4/49

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1573.752 $\pm$ 0.370 χ^2/NDF : 1165973.4/21

Left Out: 1447.554 $\pm$ 0.240 χ^2/NDF : 419254.7/24

Right Out: 1522.874 $\pm$ 0.322 χ^2/NDF : 1333062.7/26

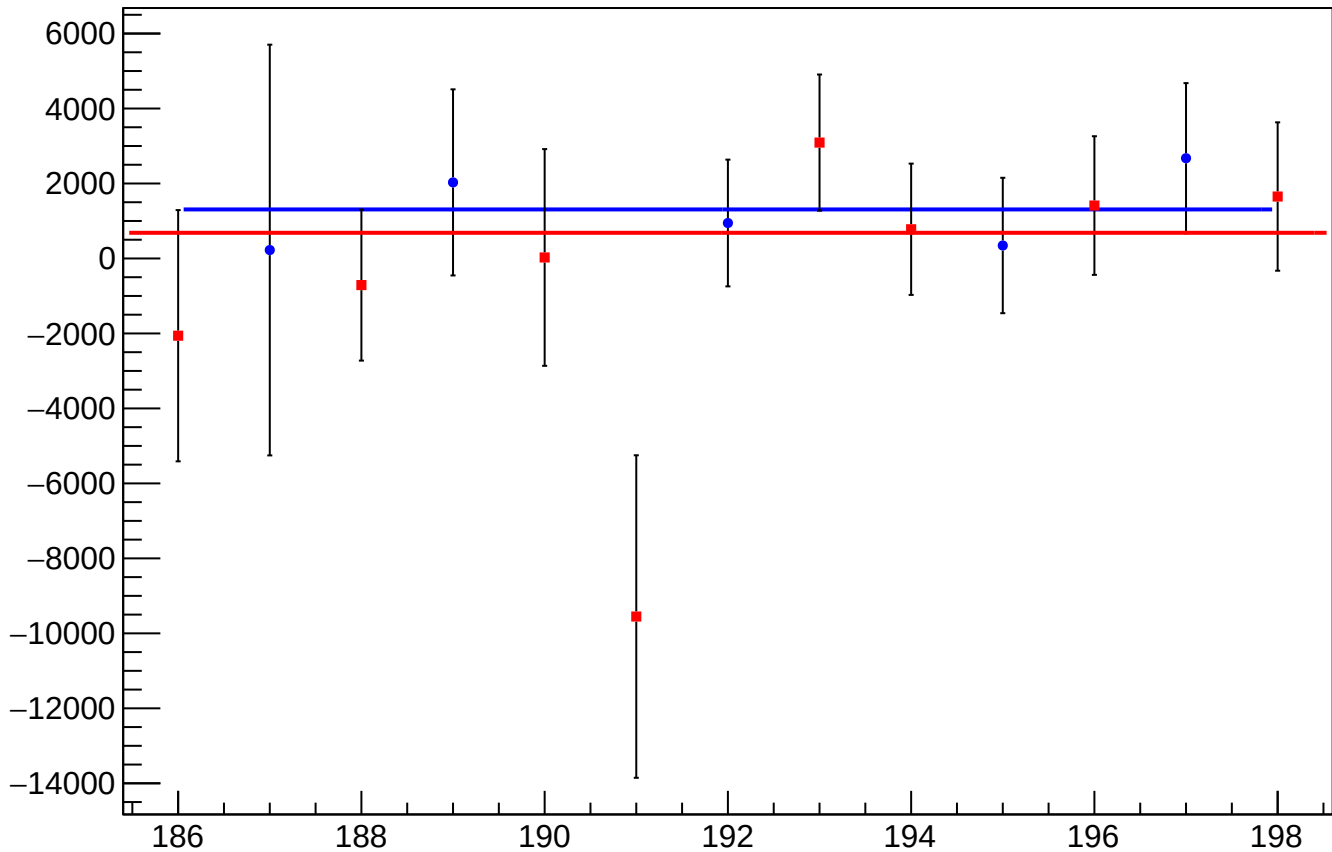
Left In: 1431.456 $\pm$ 0.243 χ^2/NDF : 75130.4/22

+ sign 1484.958 $\pm$ 0.201 χ^2/NDF : 1667136.0/46

All: 1474.419 $\pm$ 0.140 χ^2/NDF : 3131985.9/96

- sign 1464.642 $\pm$ 0.194 χ^2/NDF : 1459569.4/49

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1307.982 $\pm$ 952.831 χ^2 /NDF: 0.9/4

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 684.911 $\pm$ 770.048 χ^2 /NDF: 9.0/7

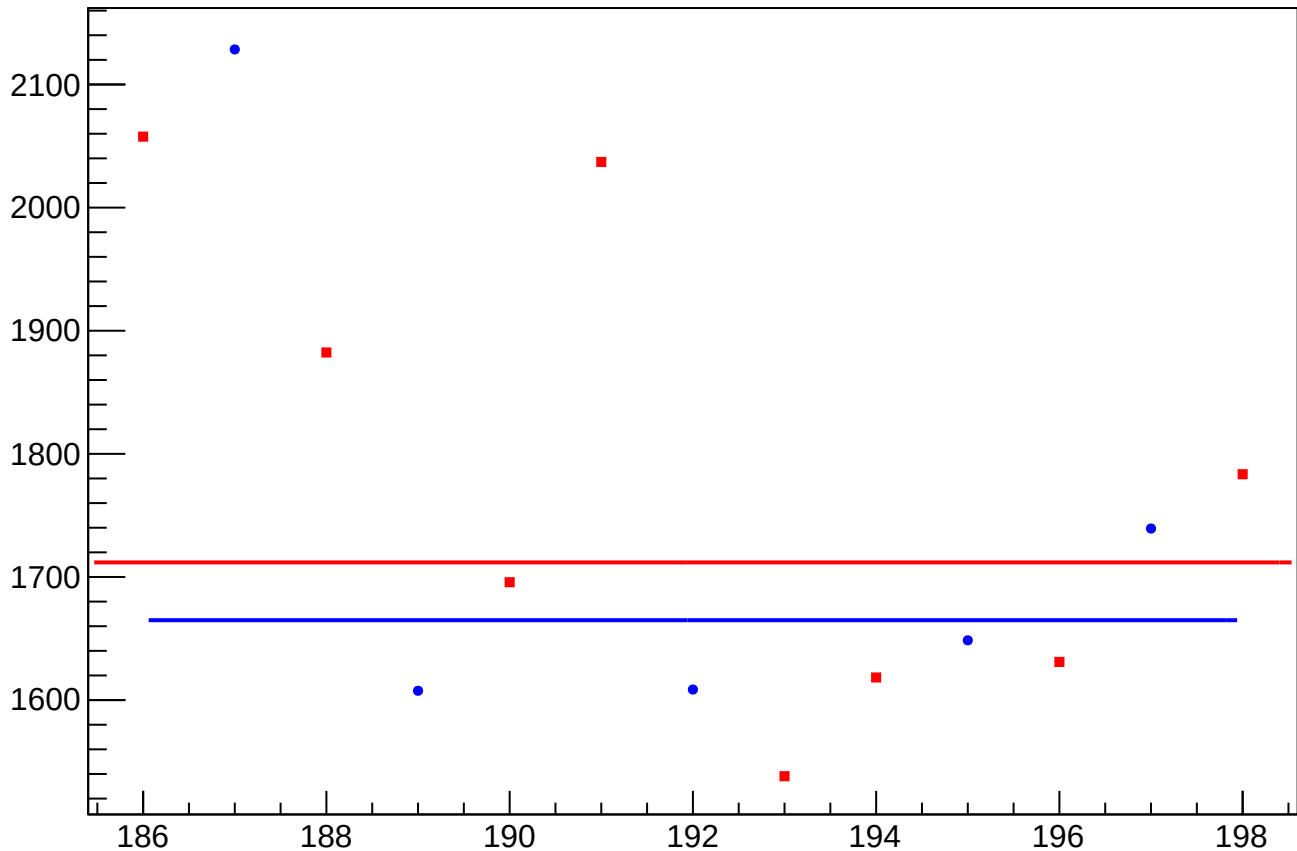
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 931.080 $\pm$ 598.913 χ^2 /NDF: 10.2/12

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1664.877 $\pm$ 0.674 χ^2 /NDF: 20533.1/4

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1711.811 $\pm$ 0.545 χ^2 /NDF: 77551.8/7

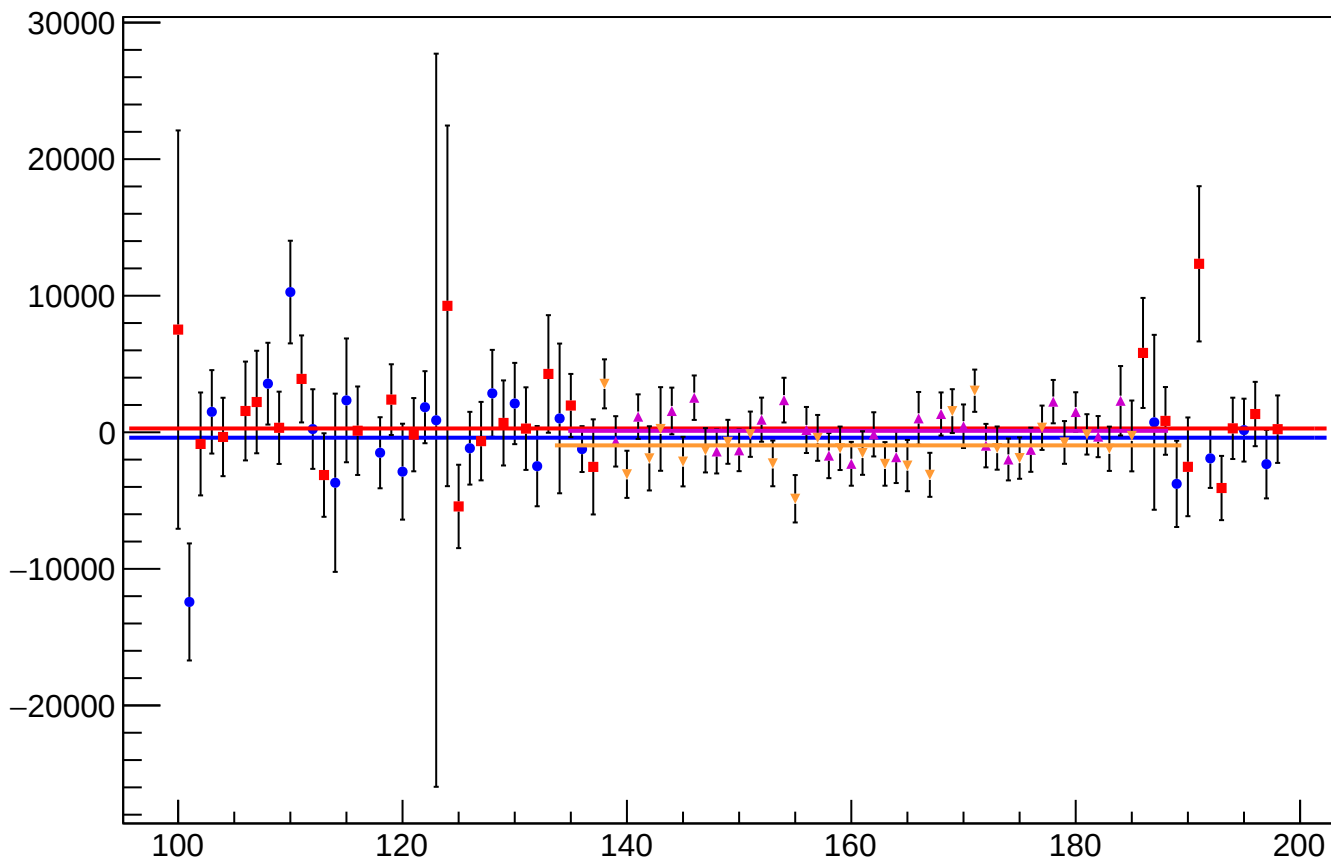
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1693.268 $\pm$ 0.423 χ^2 /NDF: 101020.3/12

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -396.451 ± 638.852 χ^2/NDF : 25.1/21

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 279.642 ± 587.156 χ^2/NDF : 20.8/26

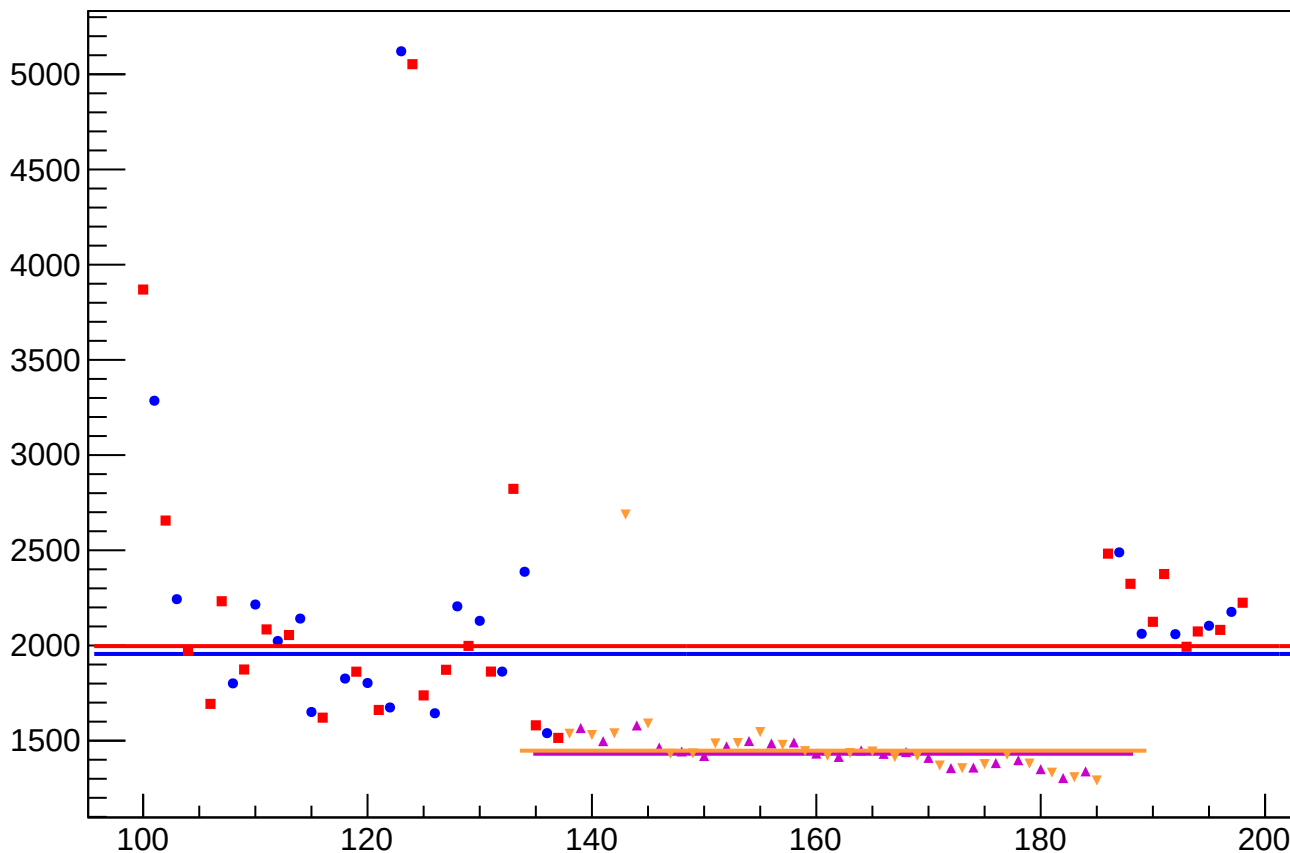
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -834.659 ± 299.794 χ^2/NDF : 54.2/46

All: -336.323 ± 210.846 χ^2/NDF : 100.0/96

- sign 151.433 ± 296.594 χ^2/NDF : 40.3/49

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1955.522+/-0.452 χ^2/NDF : 524450.4/21

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1996.663+/-0.415 χ^2/NDF : 589566.8/26

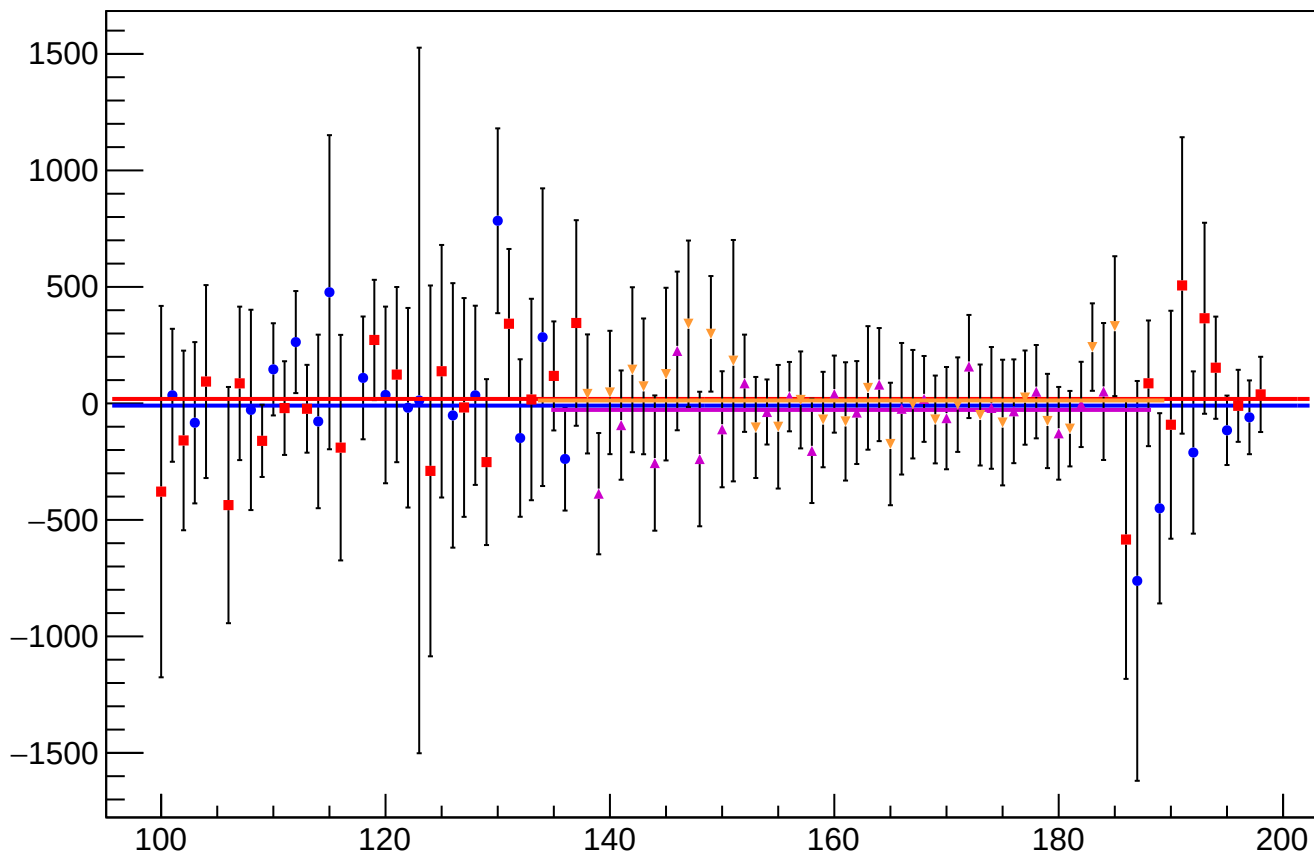
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1559.417+/-0.212 χ^2/NDF : 1929712.0/46

All: 1567.635+/-0.149 χ^2/NDF : 3977788.6/96

- sign 1575.678+/-0.210 χ^2/NDF : 2045102.9/49

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -9.404 ± 62.329 χ^2/NDF : 11.4/21

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 19.183 ± 54.711 χ^2/NDF : 9.4/26

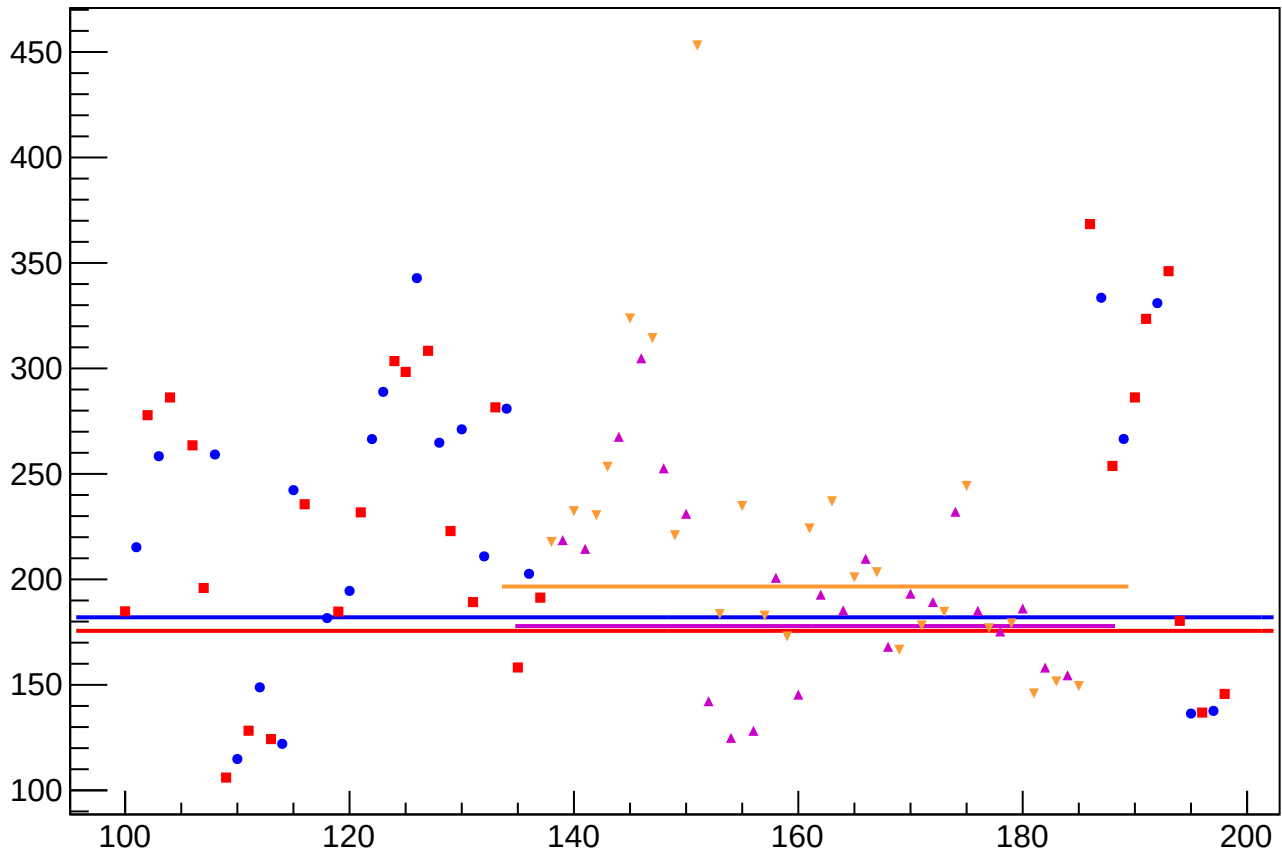
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign 4.530 ± 37.773 χ^2/NDF : 19.1/46

All: -2.924 ± 25.487 χ^2/NDF : 35.5/96

- sign -9.154 ± 34.533 χ^2/NDF : 16.4/49

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.025 $\pm$ 0.044 χ^2/NDF : 1915716.4/21

Left Out: 196.620 $\pm$ 0.034 χ^2/NDF : 1793507.9/24

Right Out: 175.611 $\pm$ 0.039 χ^2/NDF : 2704911.1/26

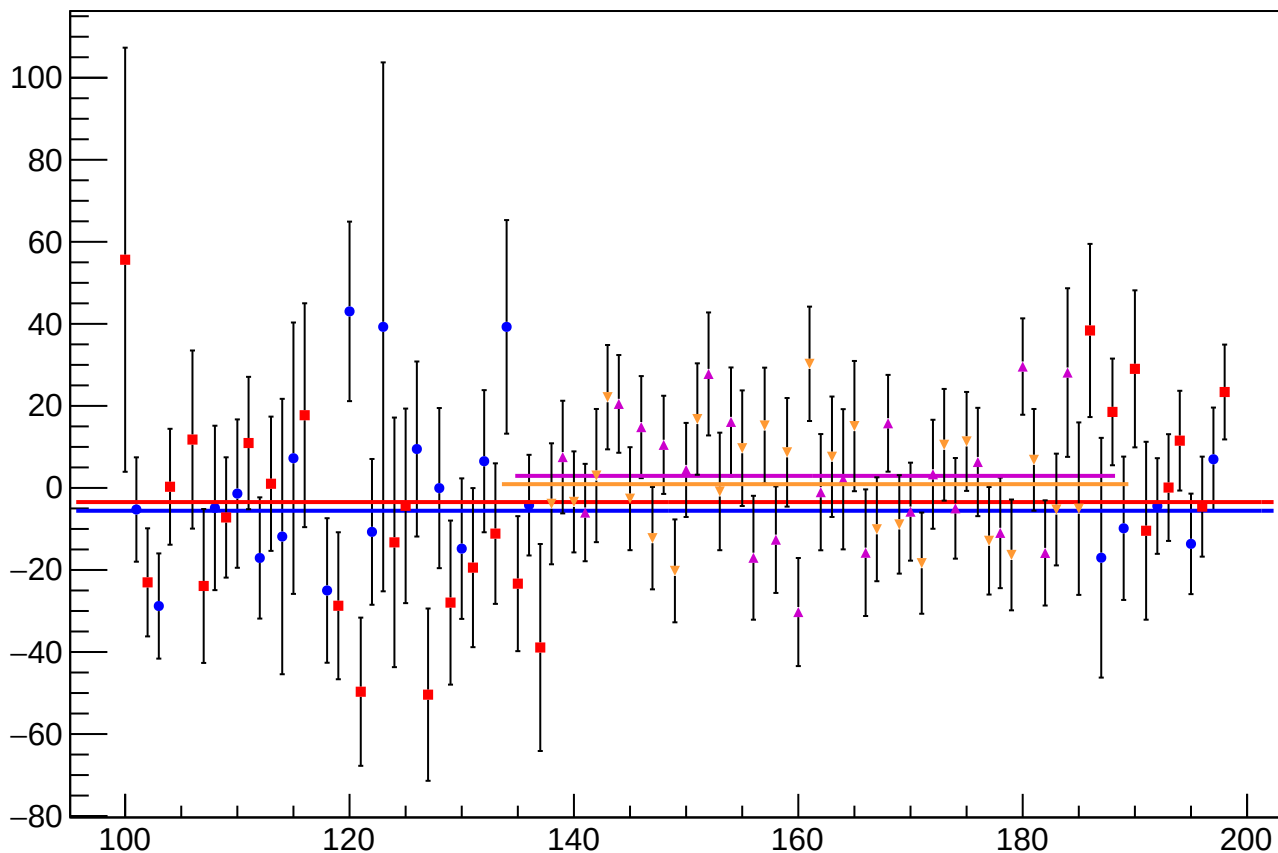
Left In: 177.878 $\pm$ 0.031 χ^2/NDF : 1644086.7/22

+ sign 191.259 $\pm$ 0.027 χ^2/NDF : 3778611.7/46

All: 183.478 $\pm$ 0.018 χ^2/NDF : 8285482.6/96

- sign 176.975 $\pm$ 0.024 χ^2/NDF : 4351062.9/49

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.566 ± 3.596 $\chi^2/\text{NDF}: 16.8/21$

Left Out: 0.920 ± 2.696 $\chi^2/\text{NDF}: 24.0/24$

Right Out: -3.445 ± 3.249 $\chi^2/\text{NDF}: 43.0/26$

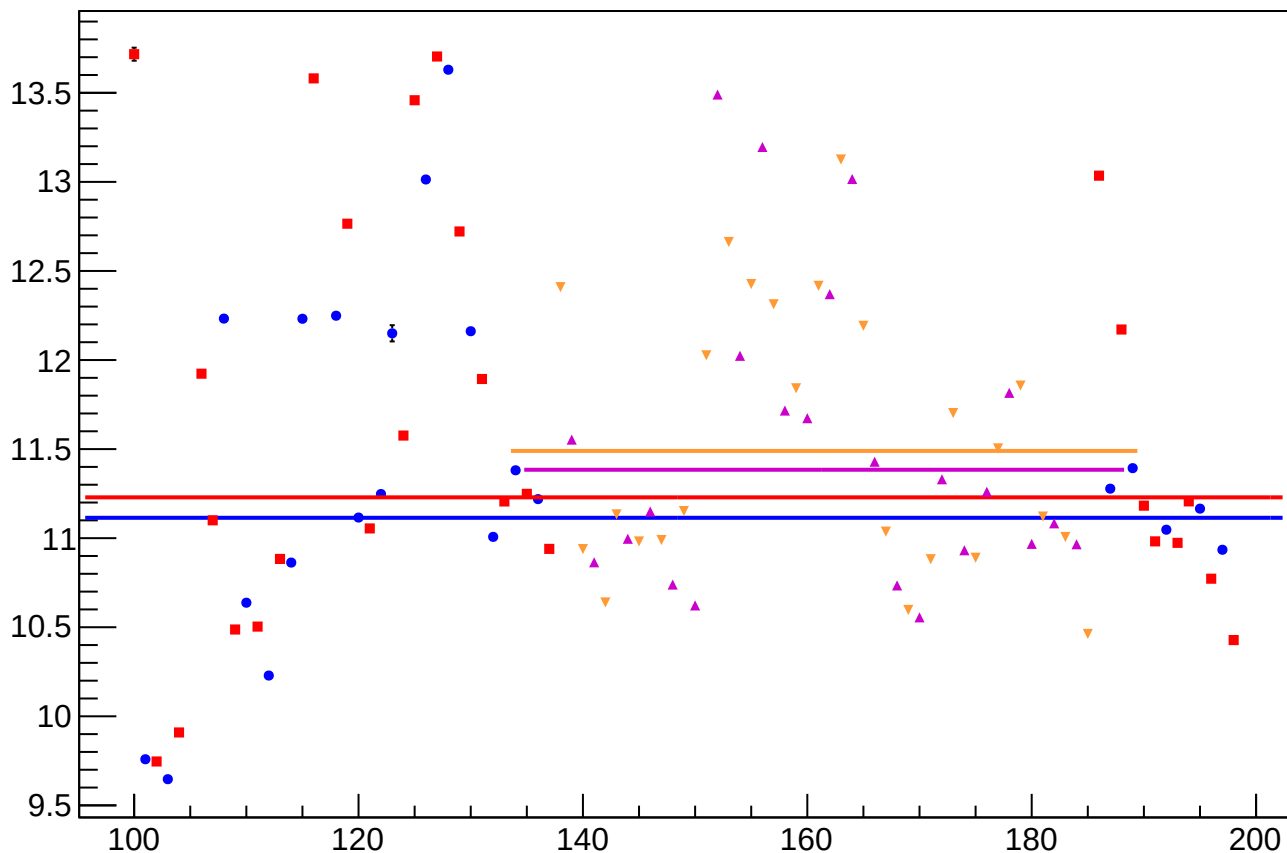
Left In: 2.941 ± 2.745 $\chi^2/\text{NDF}: 31.0/22$

+ sign -1.414 ± 2.157 $\chi^2/\text{NDF}: 42.9/46$

All: -0.542 ± 1.504 $\chi^2/\text{NDF}: 119.5/96$

- sign 0.282 ± 2.097 $\chi^2/\text{NDF}: 76.3/49$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.114 $\pm$ 0.003 χ^2/NDF : 133030.2/21

Left Out: 11.490 $\pm$ 0.002 χ^2/NDF : 132399.1/24

Right Out: 11.229 $\pm$ 0.002 χ^2/NDF : 187410.3/26

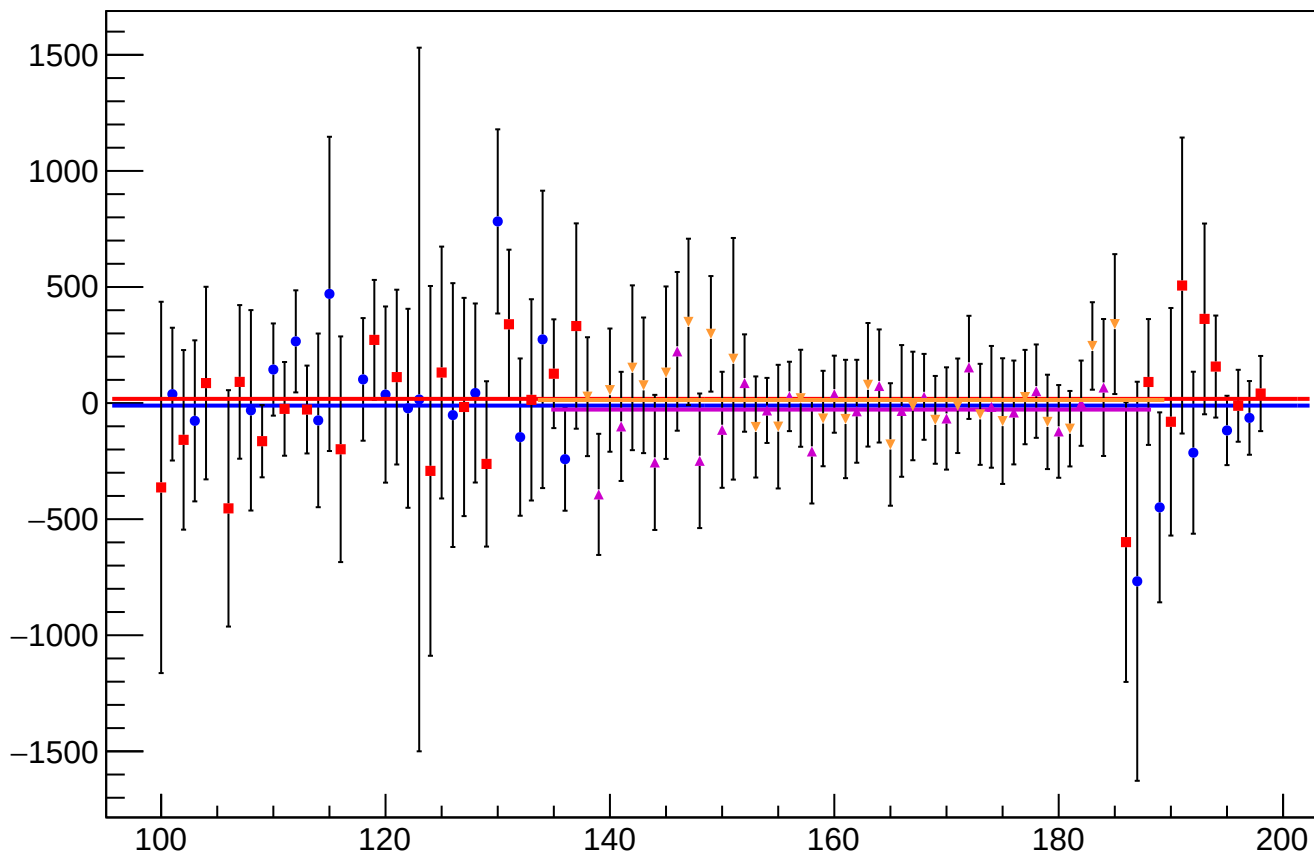
Left In: 11.384 $\pm$ 0.002 χ^2/NDF : 149799.6/22

+ sign 11.355 $\pm$ 0.002 χ^2/NDF : 279381.8/46

All: 11.337 $\pm$ 0.001 χ^2/NDF : 619518.2/96

- sign 11.320 $\pm$ 0.001 χ^2/NDF : 339863.9/49

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -10.803 ± 62.486 χ^2/NDF : 11.3/21

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 18.163 ± 54.866 χ^2/NDF : 9.5/26

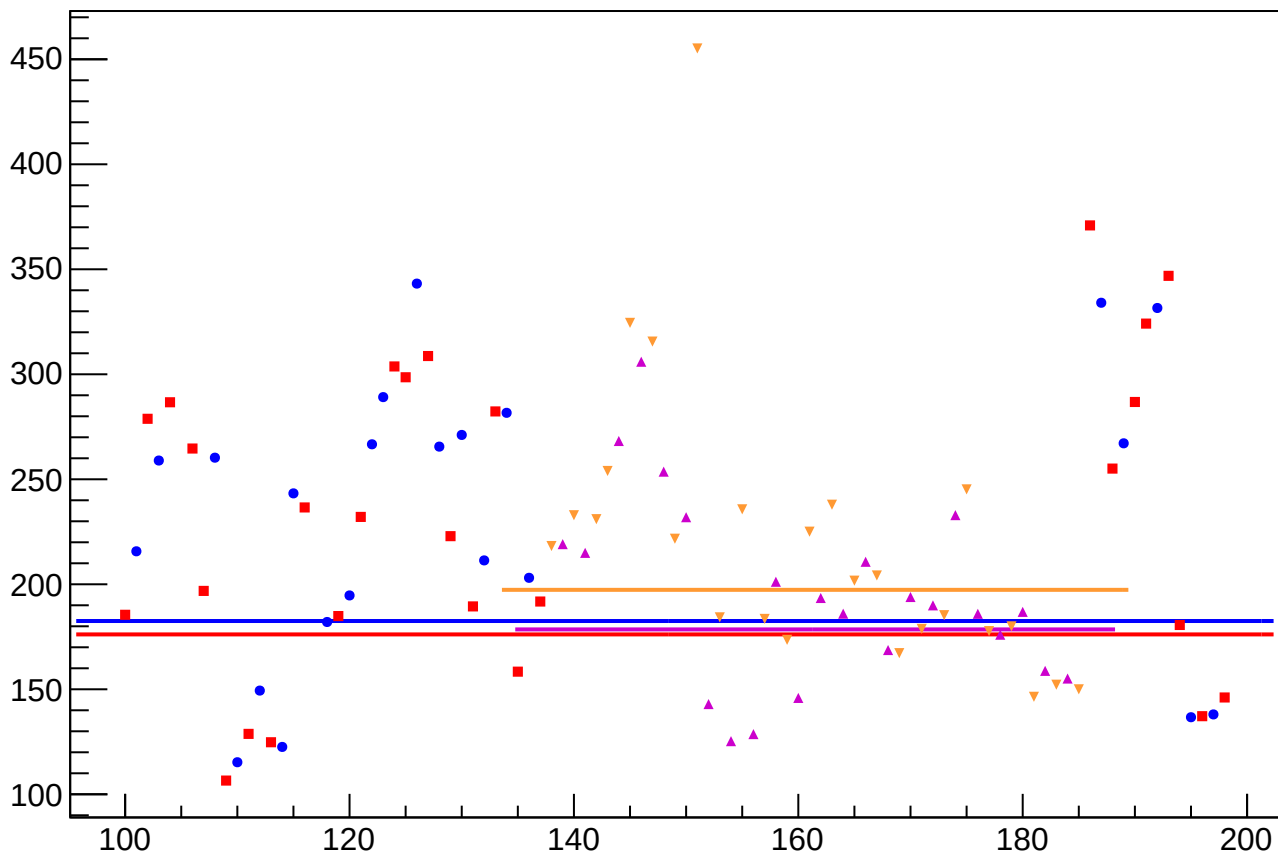
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign 4.449 ± 37.896 χ^2/NDF : 19.3/46

All: -3.216 ± 25.570 χ^2/NDF : 36.0/96

- sign -9.623 ± 34.646 χ^2/NDF : 16.6/49

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 182.512 $\pm$ 0.044 χ^2 /NDF: 1910503.3/21

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF: 1790824.5/24

Right Out: 176.129 $\pm$ 0.039 χ^2 /NDF: 2700368.3/26

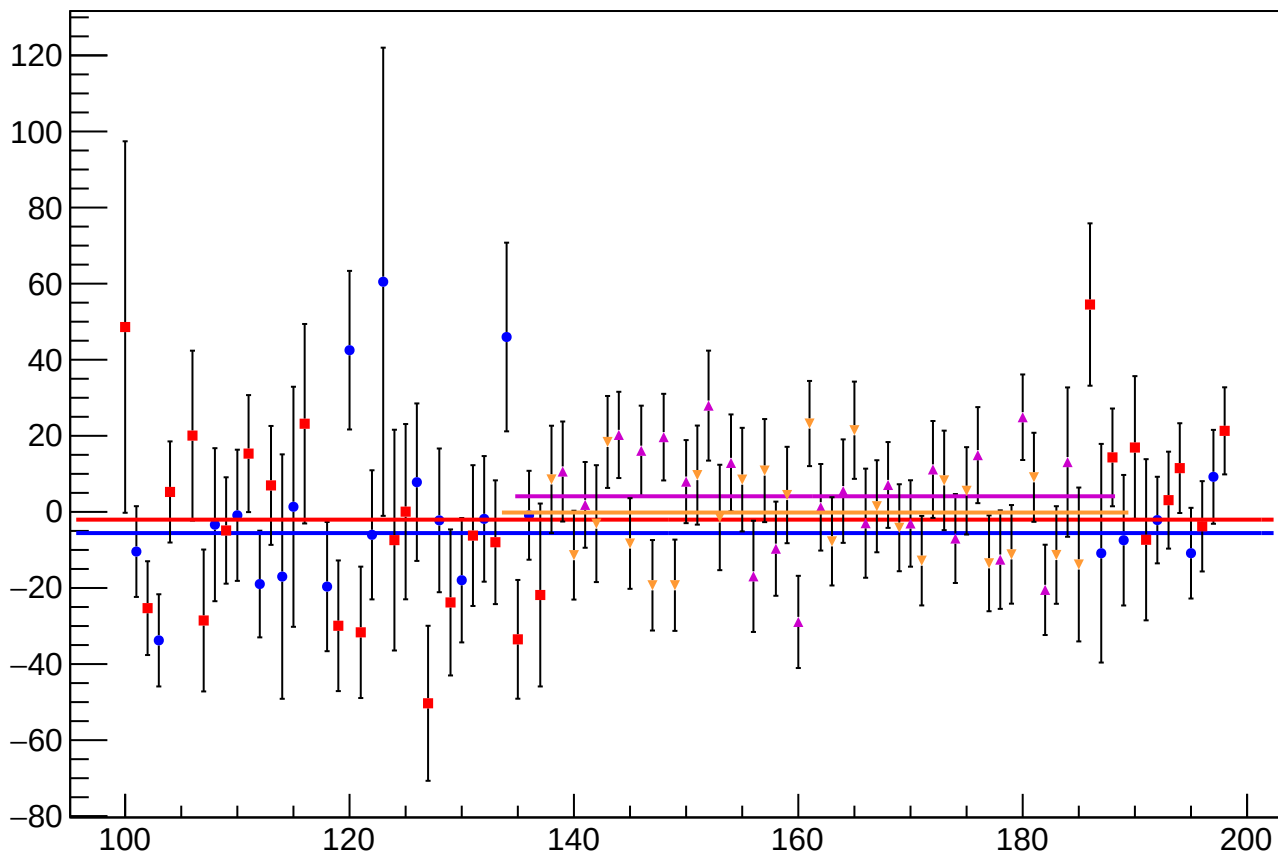
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF: 1642304.1/22

+ sign 191.896 $\pm$ 0.027 χ^2 /NDF: 3772671.7/46

All: 184.088 $\pm$ 0.018 χ^2 /NDF: 8273471.1/96

- sign 177.562 $\pm$ 0.024 χ^2 /NDF: 4344940.4/49

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.567 $\pm$ 3.457 χ^2 /NDF: 21.2/21

Left Out: -0.170 $\pm$ 2.520 χ^2 /NDF: 24.4/24

Right Out: -2.036 $\pm$ 3.142 χ^2 /NDF: 43.3/26

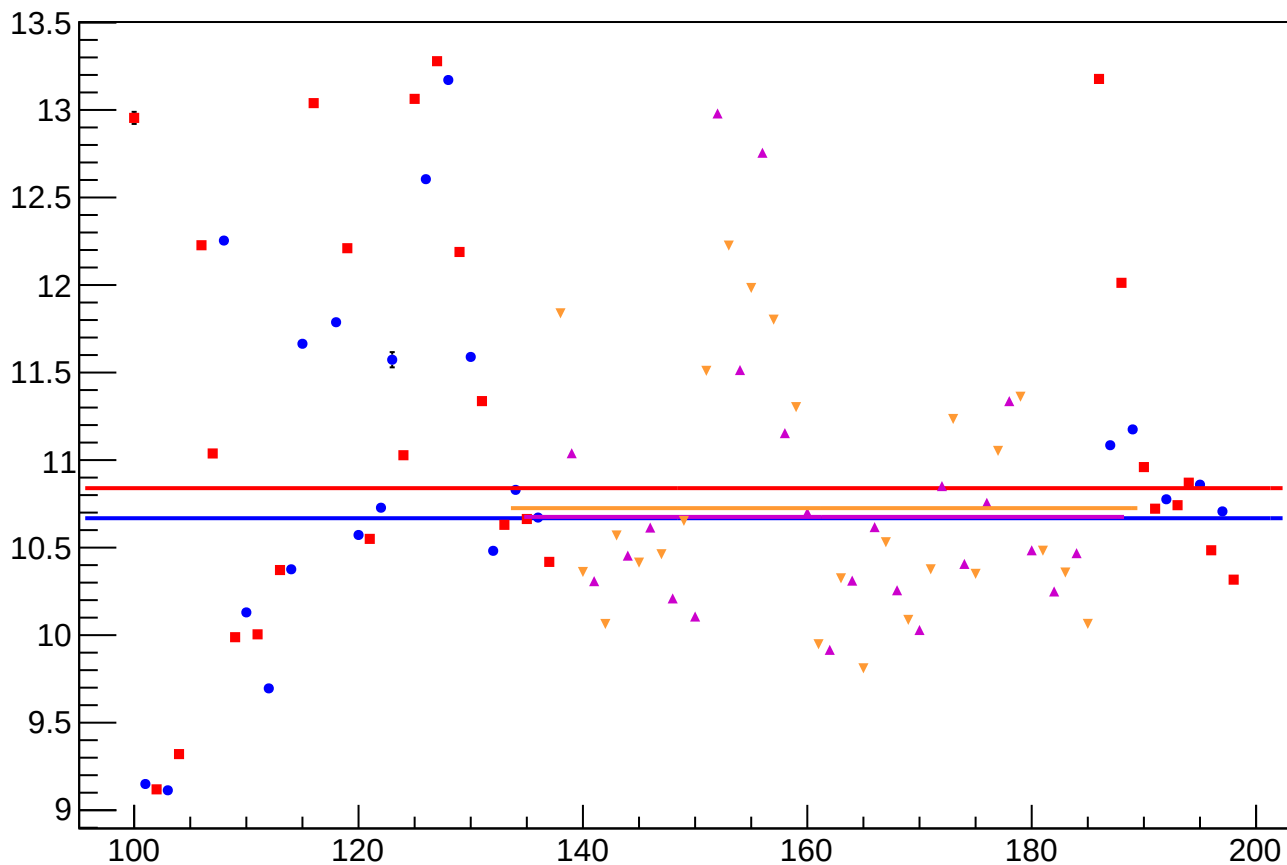
Left In: 4.107 $\pm$ 2.577 χ^2 /NDF: 31.5/22

+ sign -2.043 $\pm$ 2.037 χ^2 /NDF: 47.2/46

All: -0.164 $\pm$ 1.424 χ^2 /NDF: 126.0/96

- sign 1.636 $\pm$ 1.993 χ^2 /NDF: 77.2/49

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.668 ± 0.002 χ^2/NDF : 162865.8/21

Left Out: 10.725 ± 0.002 χ^2/NDF : 132170.8/24

Right Out: 10.840 ± 0.002 χ^2/NDF : 226066.7/26

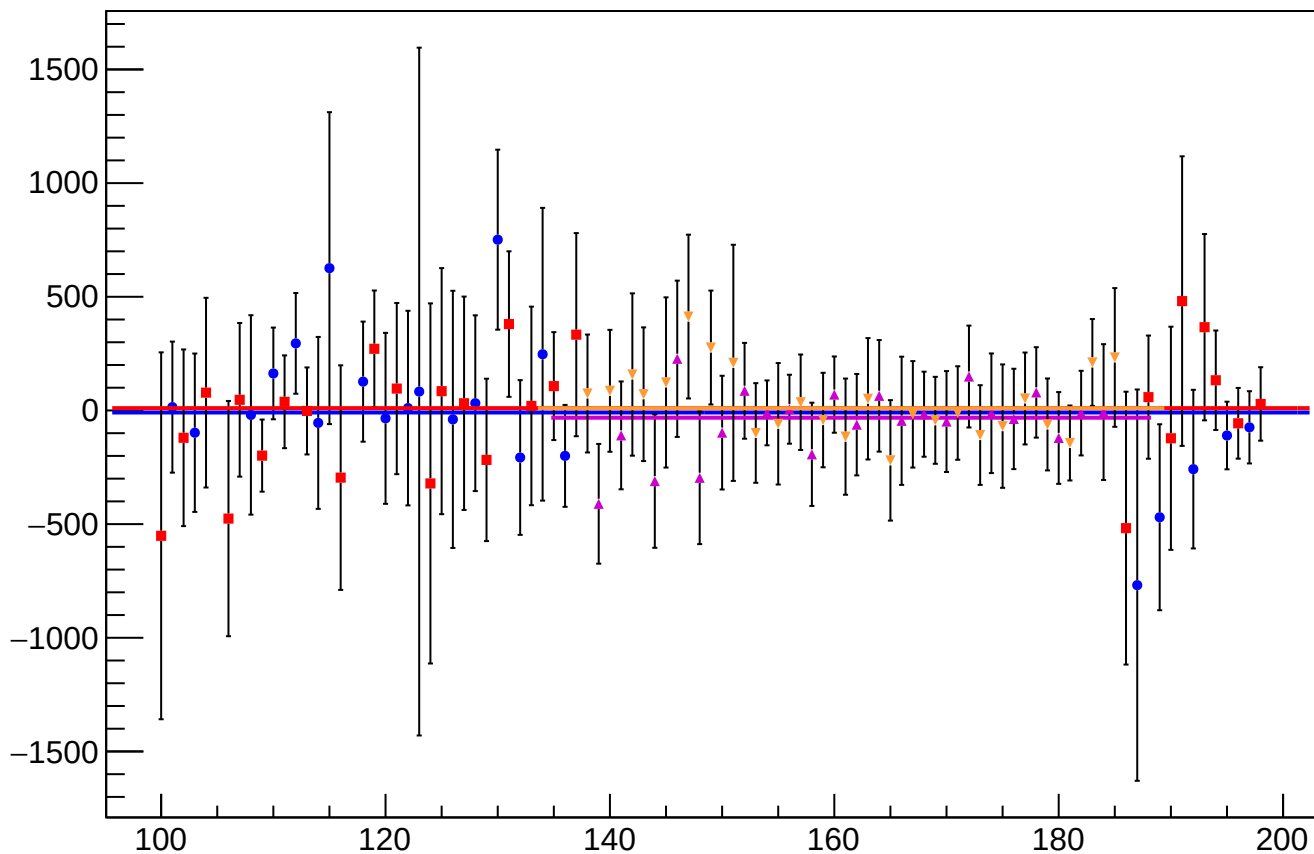
Left In: 10.675 ± 0.002 χ^2/NDF : 145938.2/22

+ sign 10.705 ± 0.001 χ^2/NDF : 295398.5/46

All: 10.724 ± 0.001 χ^2/NDF : 670987.2/96

- sign 10.741 ± 0.001 χ^2/NDF : 375269.8/49

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -8.968 ± 62.702 χ^2/NDF : 11.9/21

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 10.207 ± 55.179 χ^2/NDF : 10.1/26

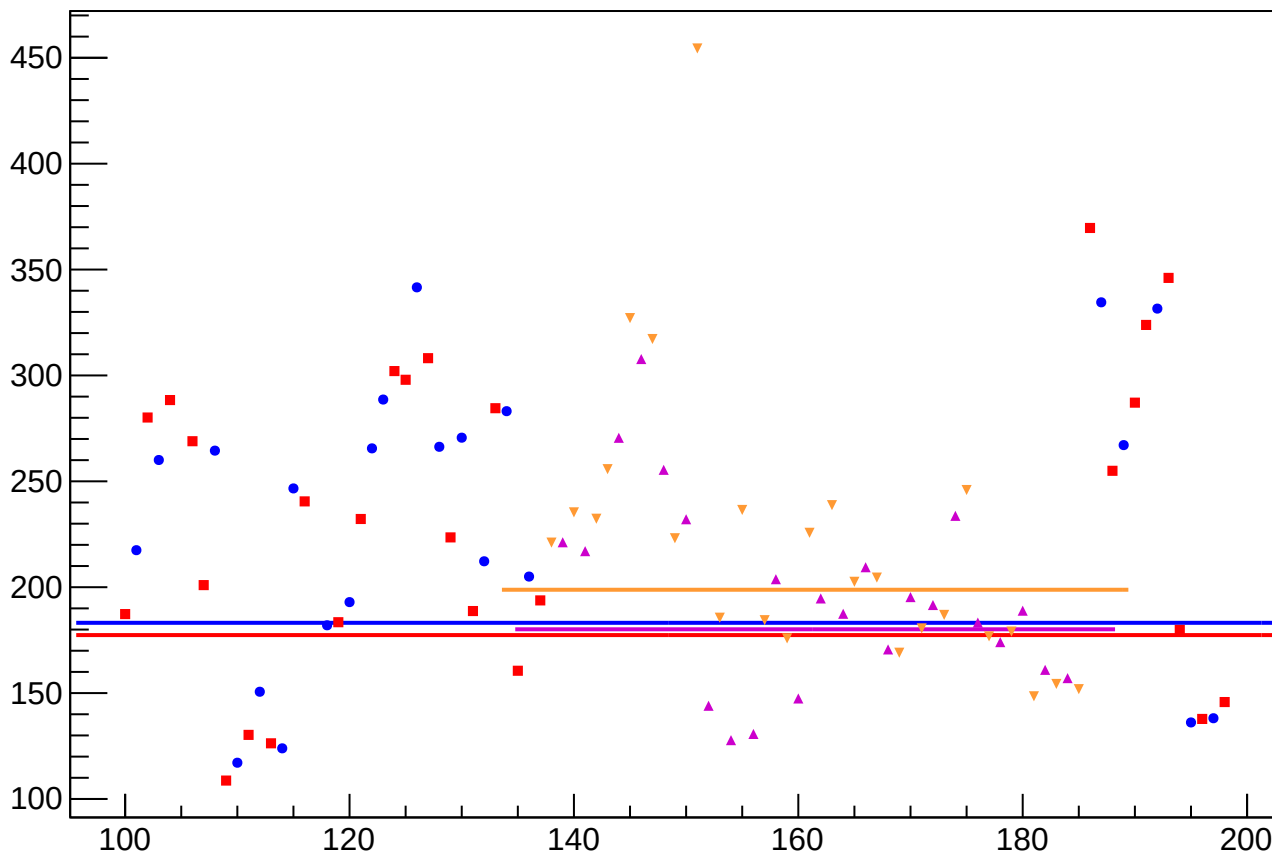
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign 2.870 ± 38.103 χ^2/NDF : 19.5/46

All: -6.914 ± 25.733 χ^2/NDF : 37.3/96

- sign -15.117 ± 34.891 χ^2/NDF : 17.6/49

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 183.187 $\pm$ 0.044 χ^2 /NDF: 1901059.5/21

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF:1763119.1/24

Right Out: 177.392 $\pm$ 0.039 χ^2 /NDF: 2647832.4/26

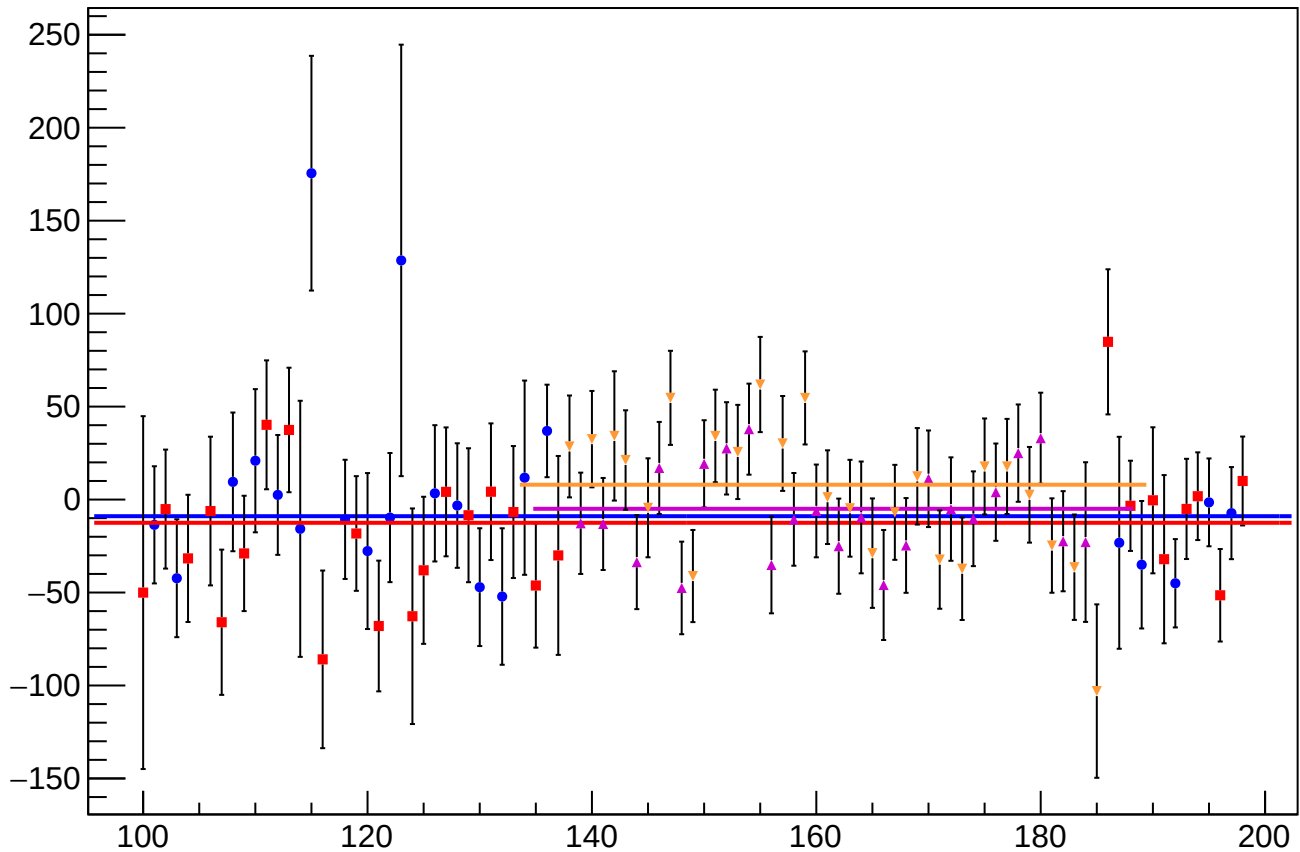
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

+ sign 193.034 $\pm$ 0.027 χ^2 /NDF: 3742394.7/46

All: 185.418 $\pm$ 0.018 χ^2 /NDF: 8133932.8/96

- sign 179.031 $\pm$ 0.025 χ^2 /NDF: 4244614.9/49

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -8.946 ± 7.259 χ^2/NDF : 21.8/21

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -12.495 ± 6.505 χ^2/NDF : 25.3/26

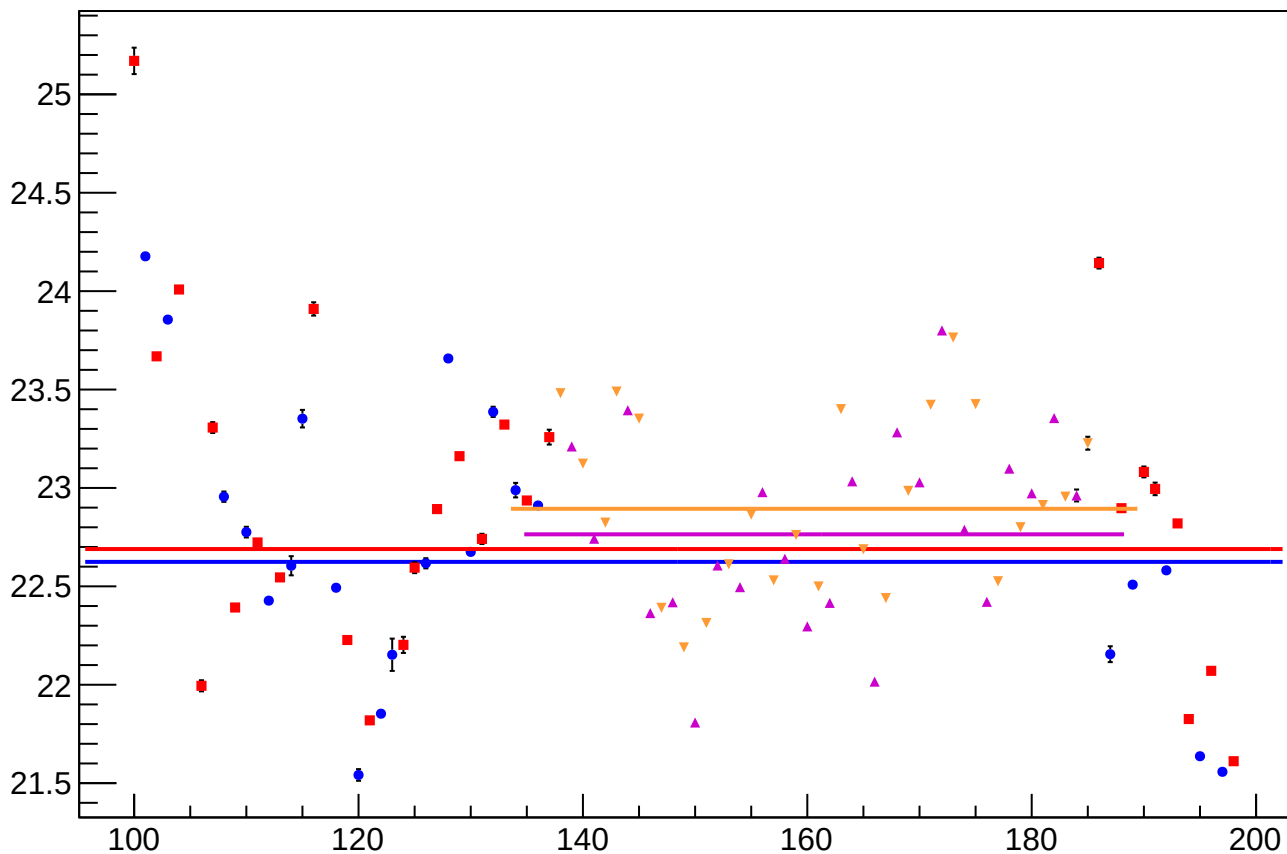
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 2.062 ± 4.295 χ^2/NDF : 62.8/46

All: -3.148 ± 2.994 χ^2/NDF : 112.3/96

- sign -8.072 ± 4.175 χ^2/NDF : 46.6/49

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.624 $\pm$ 0.005 χ^2 /NDF: 21295.7/21

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF:13070.5/24

Right Out: 22.690 $\pm$ 0.005 χ^2 /NDF: 23299.1/26

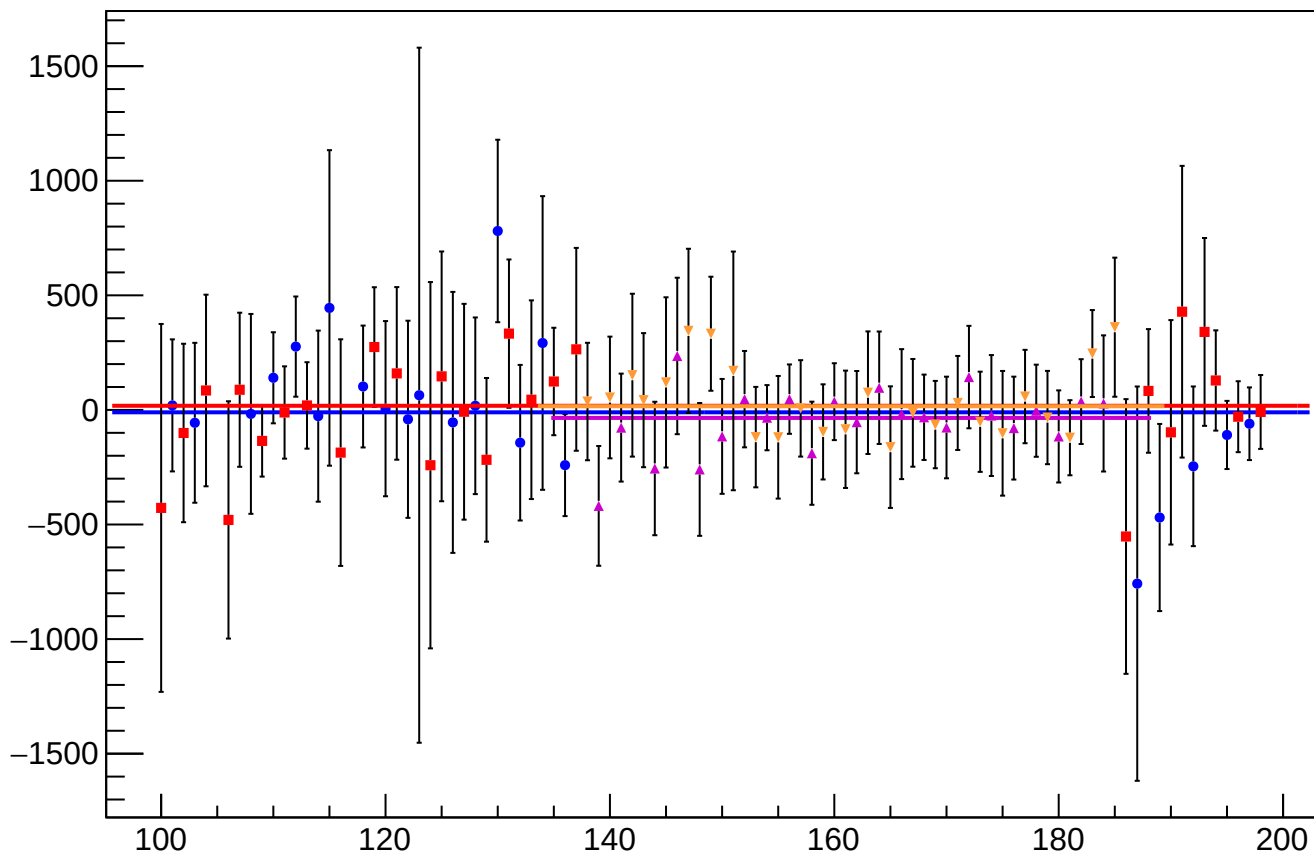
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF:14665.7/22

+ sign 22.800 $\pm$ 0.003 χ^2 /NDF: 36161.8/46

All: 22.766 $\pm$ 0.002 χ^2 /NDF: 74525.8/96

- sign 22.734 $\pm$ 0.003 χ^2 /NDF: 38119.9/49

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -10.458 ± 62.506 χ^2/NDF : 11.4/21

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 18.095 ± 54.881 χ^2/NDF : 8.2/26

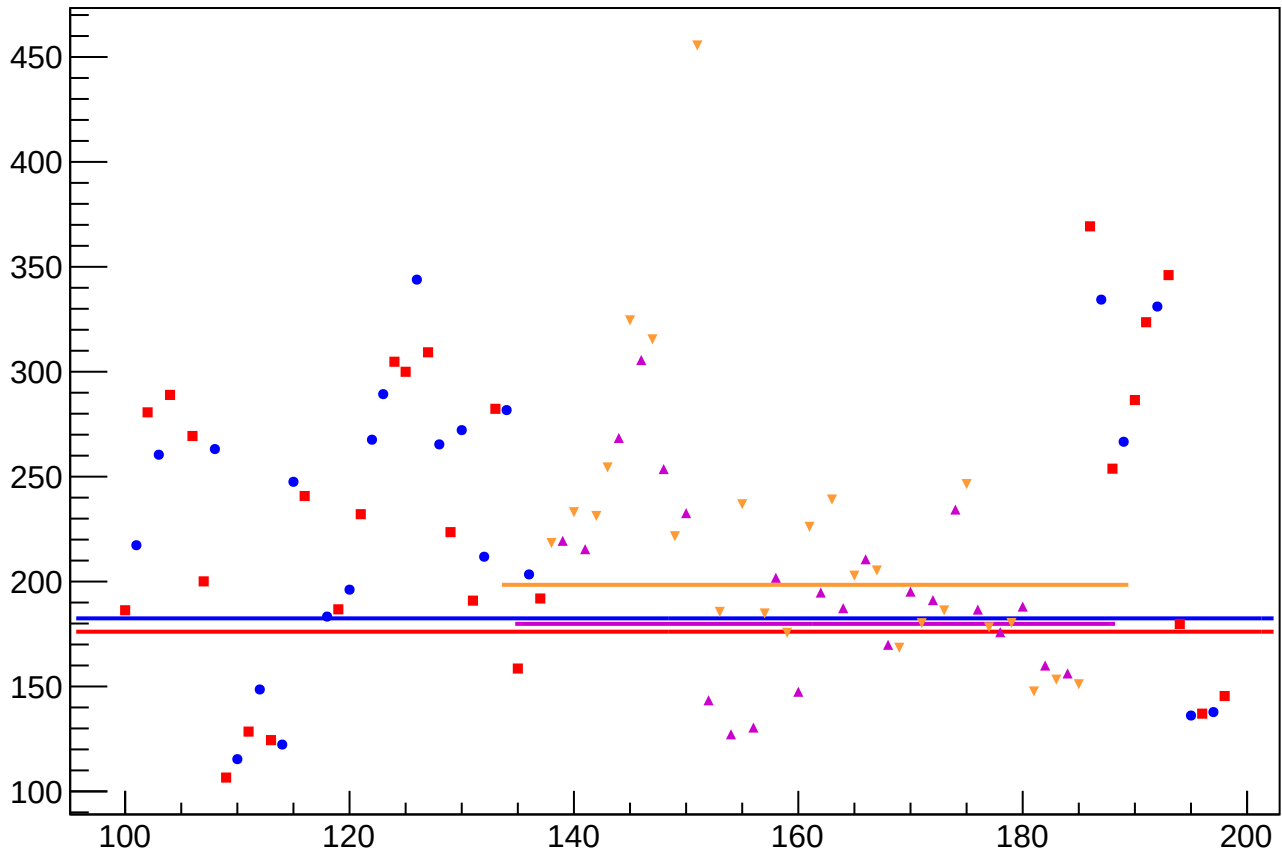
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign 6.151 ± 38.019 χ^2/NDF : 19.9/46

All: -4.613 ± 25.664 χ^2/NDF : 35.4/96

- sign -13.622 ± 34.784 χ^2/NDF : 15.3/49

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.460 $\pm$ 0.044 χ^2 /NDF: 1934237.0/21

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF: 1761433.9/24

Right Out: 176.106 $\pm$ 0.039 χ^2 /NDF: 2723310.1/26

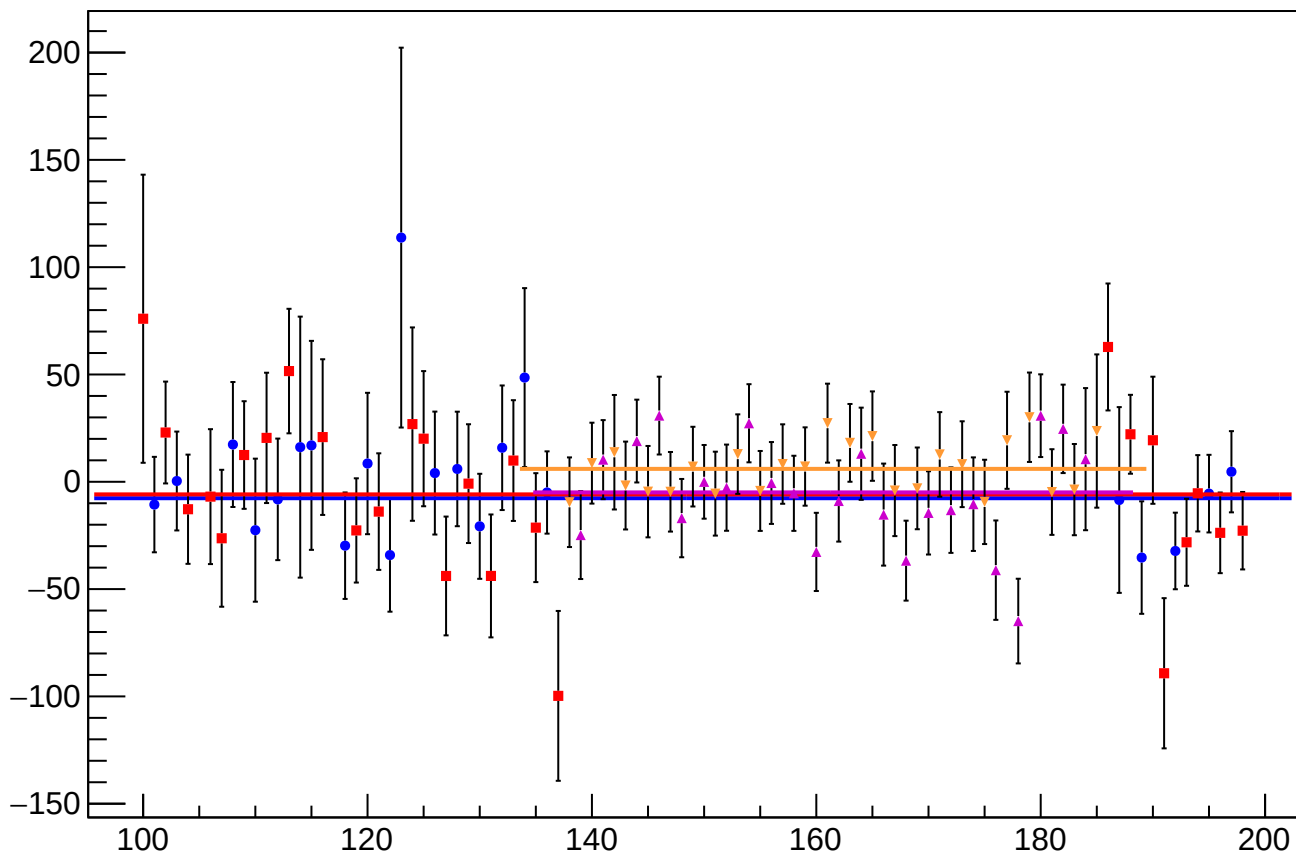
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF: 1588834.3/22

+ sign 192.534 $\pm$ 0.027 χ^2 /NDF: 3778126.7/46

All: 184.807 $\pm$ 0.018 χ^2 /NDF: 8247564.9/96

- sign 178.339 $\pm$ 0.025 χ^2 /NDF: 4317680.0/49

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -7.655 ± 5.608 χ^2/NDF : 12.1/21

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -5.868 ± 5.028 χ^2/NDF : 38.1/26

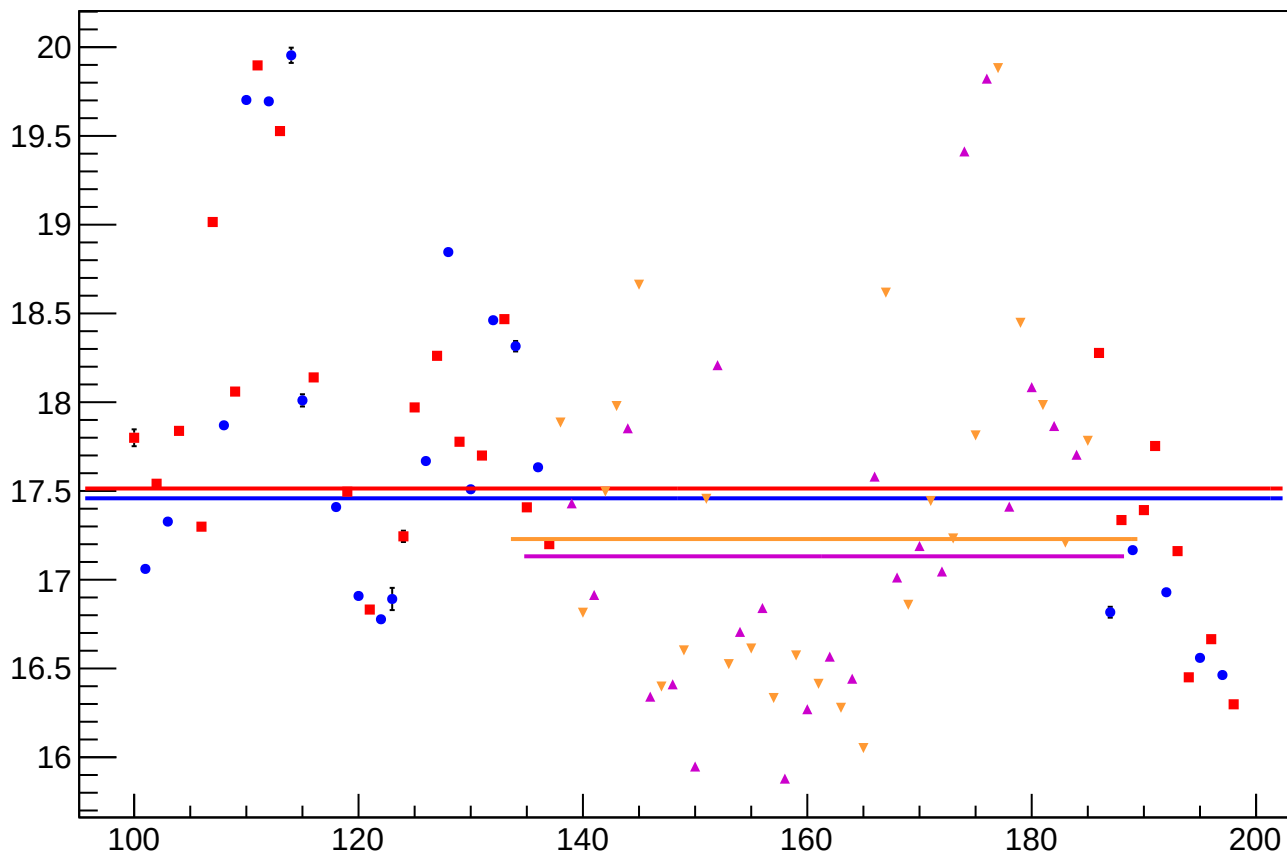
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 1.383 ± 3.266 χ^2/NDF : 24.1/46

All: -2.054 ± 2.279 χ^2/NDF : 99.2/96

- sign -5.314 ± 3.181 χ^2/NDF : 72.9/49

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.459 $\pm$ 0.004 χ^2 /NDF: 50090.1/21

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF:98624.7/24

Right Out: 17.514 $\pm$ 0.004 χ^2 /NDF: 56883.5/26

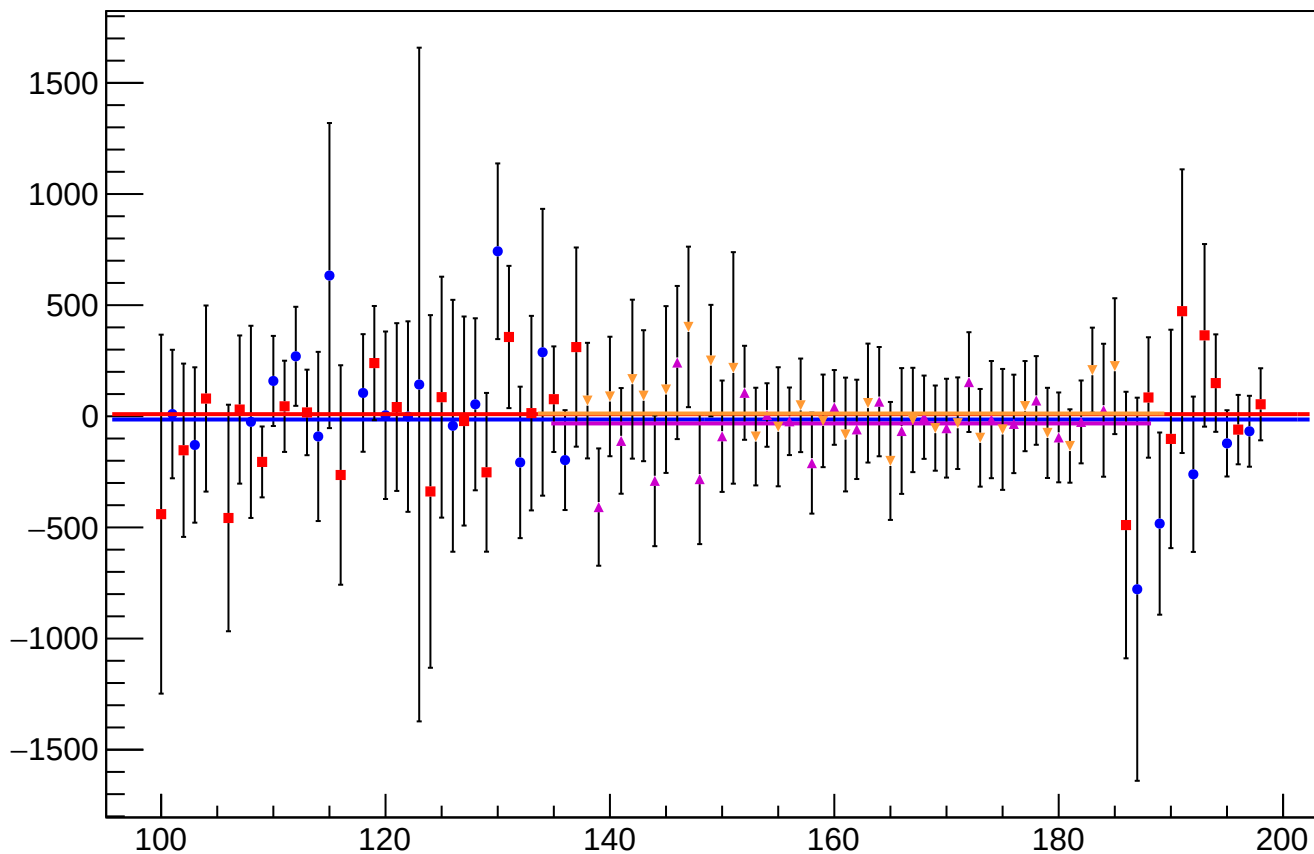
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF:103997.3/22

+ sign 17.307 $\pm$ 0.002 χ^2 /NDF: 150928.4/46

All: 17.296 $\pm$ 0.002 χ^2 /NDF: 318781.2/96

- sign 17.285 $\pm$ 0.002 χ^2 /NDF: 167805.3/49

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -14.437 ± 62.870 χ^2/NDF : 11.7/21

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 9.605 ± 55.311 χ^2/NDF : 9.6/26

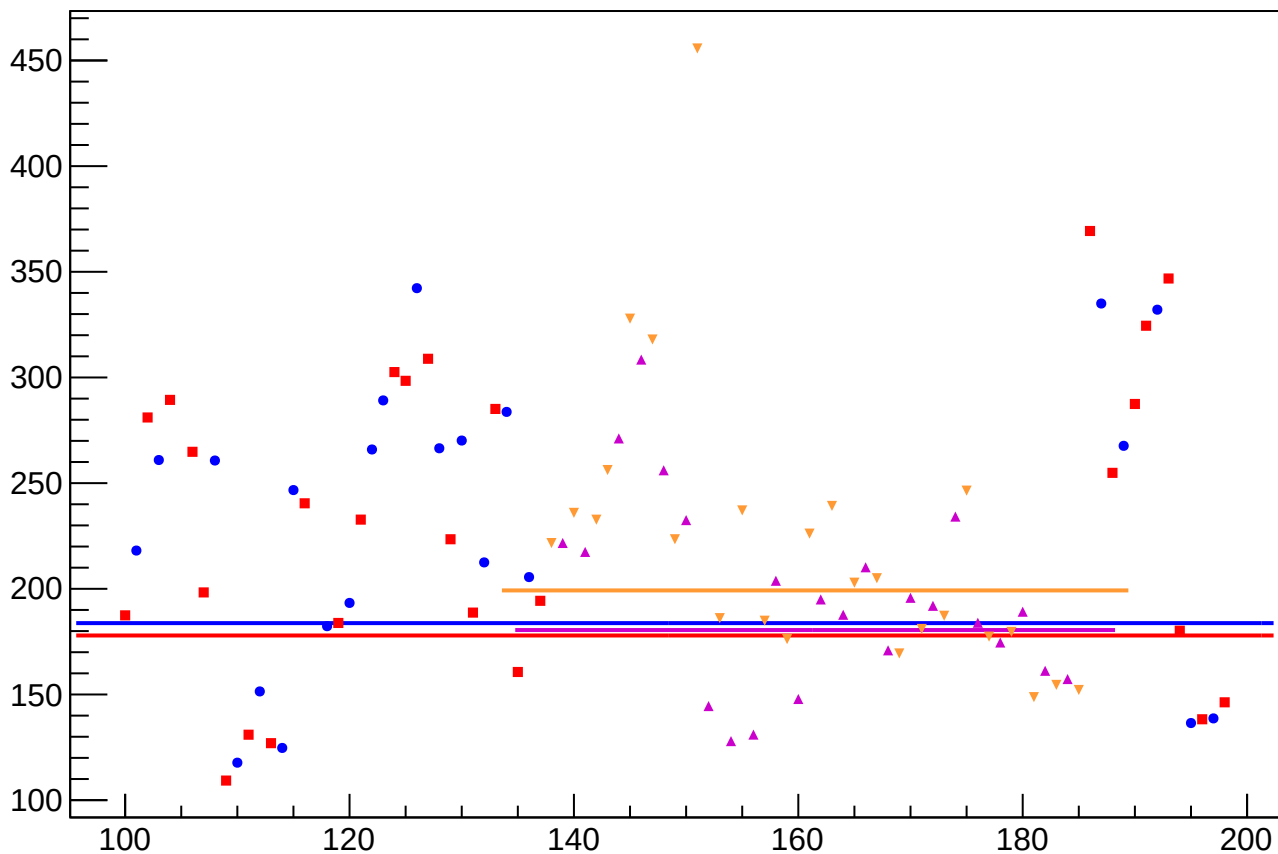
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign 2.542 ± 38.195 χ^2/NDF : 18.7/46

All: -7.255 ± 25.791 χ^2/NDF : 35.7/96

- sign -15.467 ± 34.968 χ^2/NDF : 16.8/49

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 183.768 $\pm$ 0.044 χ^2 /NDF: 1883784.7/21

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF: 1764097.7/24

Right Out: 177.915 $\pm$ 0.039 χ^2 /NDF: 2623605.3/26

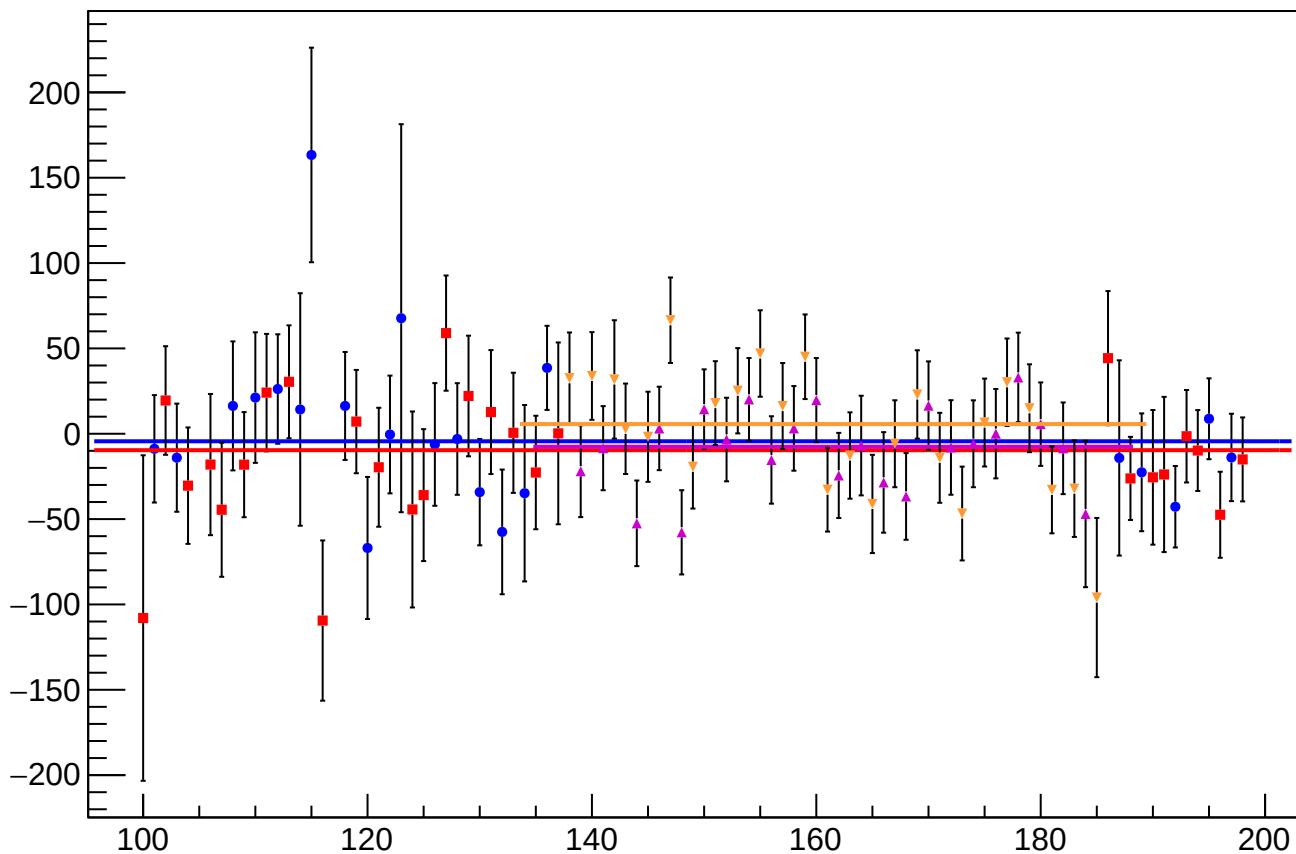
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF: 1593784.1/22

+ sign 193.530 $\pm$ 0.027 χ^2 /NDF: 3724319.8/46

All: 185.877 $\pm$ 0.018 χ^2 /NDF: 8091902.8/96

- sign 179.463 $\pm$ 0.025 χ^2 /NDF: 4219998.7/49

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.406 ± 7.246 χ^2/NDF : 21.8/21

Left Out: 5.673 ± 5.278 χ^2/NDF : 36.4/24

Right Out: -9.628 ± 6.498 χ^2/NDF : 21.9/26

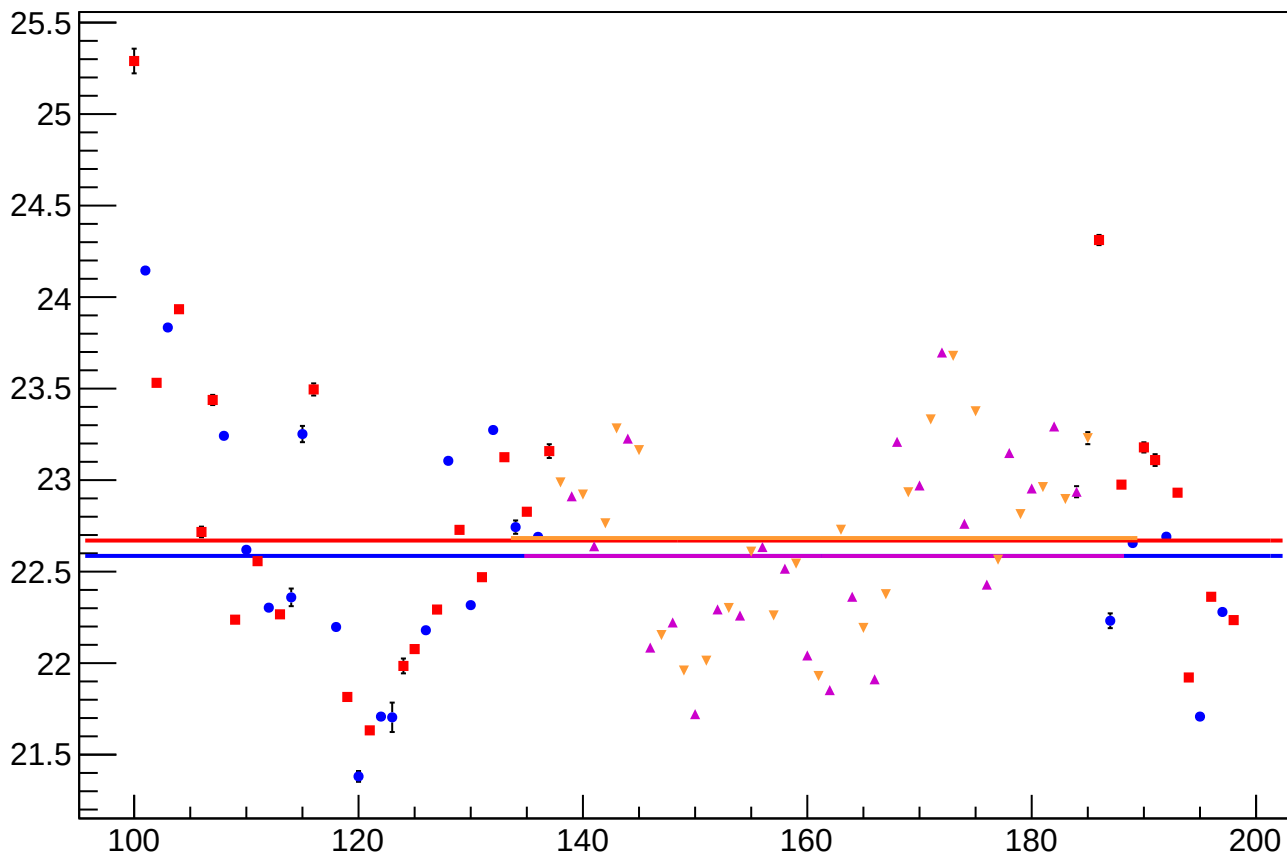
Left In: -7.594 ± 5.402 χ^2/NDF : 18.3/22

+ sign 2.180 ± 4.266 χ^2/NDF : 59.5/46

All: -3.264 ± 2.976 χ^2/NDF : 103.0/96

- sign -8.425 ± 4.154 χ^2/NDF : 40.3/49

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.586 $\pm$ 0.005 χ^2 /NDF: 17246.0/21

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.670 $\pm$ 0.005 χ^2 /NDF: 20239.1/26

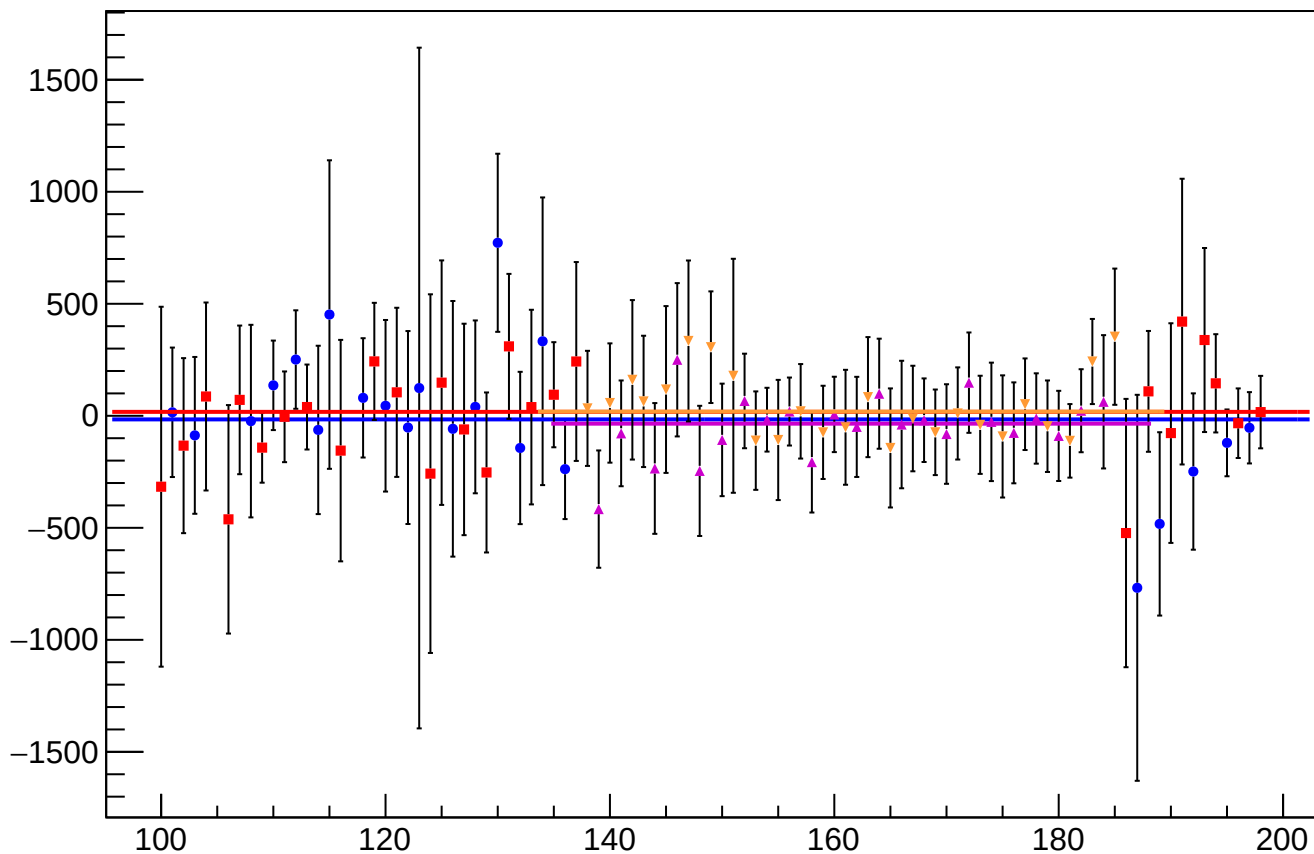
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.650 $\pm$ 0.003 χ^2 /NDF: 33801.0/46

All: 22.634 $\pm$ 0.002 χ^2 /NDF: 72378.1/96

- sign 22.620 $\pm$ 0.003 χ^2 /NDF: 38527.0/49

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -16.044 ± 62.676 $\chi^2/\text{NDF}: 11.2/21$

Left Out: 18.633 ± 48.006 $\chi^2/\text{NDF}: 7.6/24$

Right Out: 17.576 ± 55.015 $\chi^2/\text{NDF}: 7.6/26$

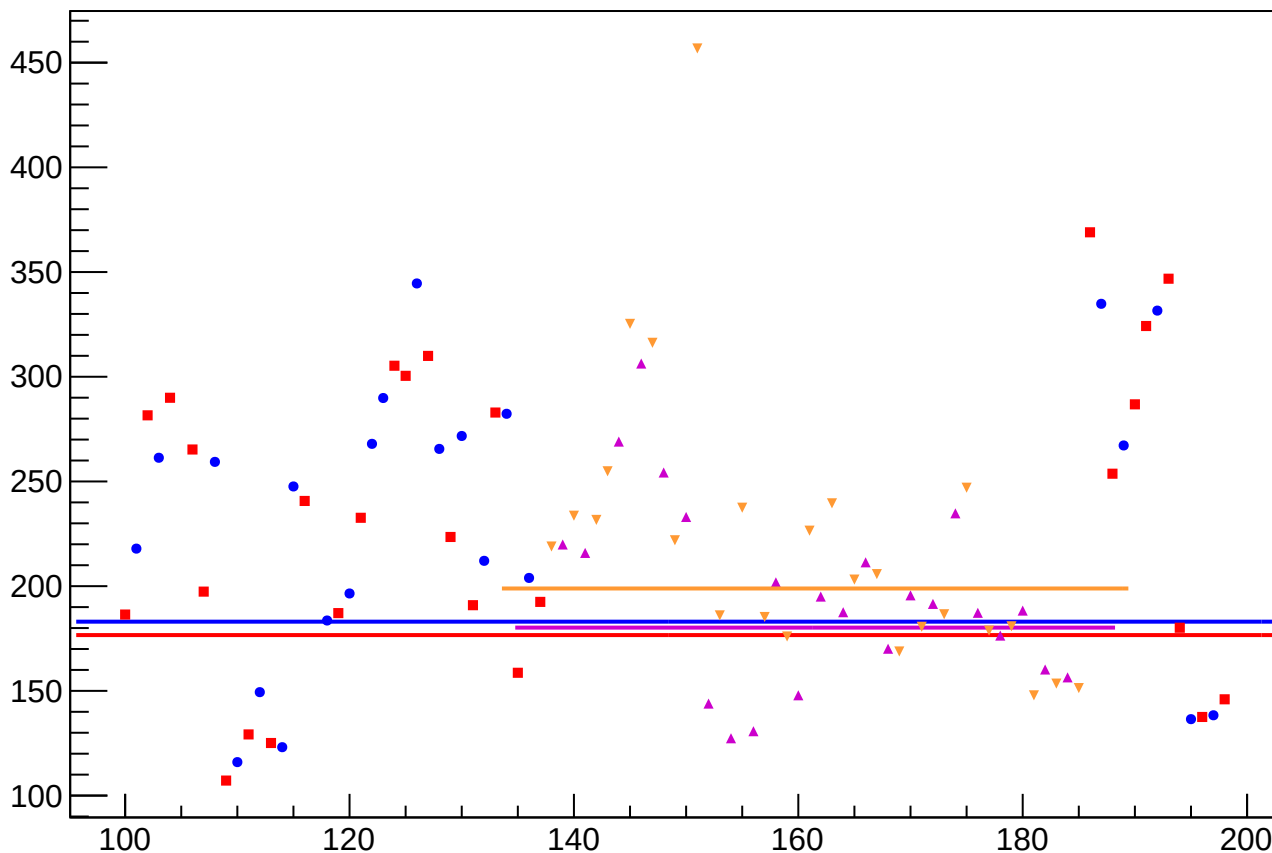
Left In: -35.046 ± 45.063 $\chi^2/\text{NDF}: 6.3/22$

+ sign 5.811 ± 38.111 $\chi^2/\text{NDF}: 19.0/46$

All: -4.930 ± 25.723 $\chi^2/\text{NDF}: 33.6/96$

- sign -13.917 ± 34.861 $\chi^2/\text{NDF}: 14.5/49$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 183.049 $\pm$ 0.044 χ^2 /NDF: 1916302.9/21

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 176.641 $\pm$ 0.039 χ^2 /NDF: 2698059.4/26

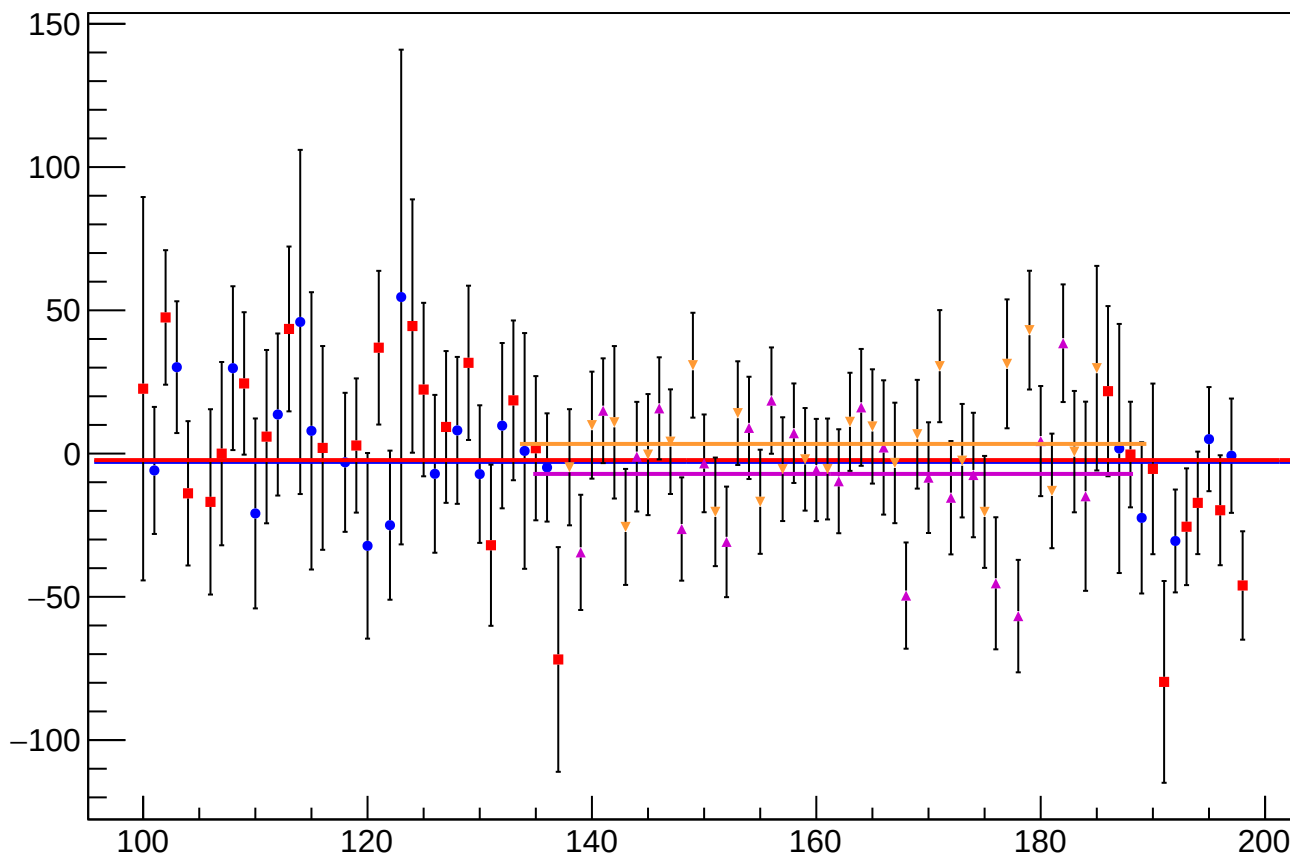
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 193.033 $\pm$ 0.027 χ^2 /NDF: 3759280.8/46

All: 185.271 $\pm$ 0.018 χ^2 /NDF: 8203784.3/96

- sign 178.775 $\pm$ 0.025 χ^2 /NDF: 4292094.3/49

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.903 ± 5.586 χ^2/NDF : 10.3/21

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -2.276 ± 5.018 χ^2/NDF : 33.1/26

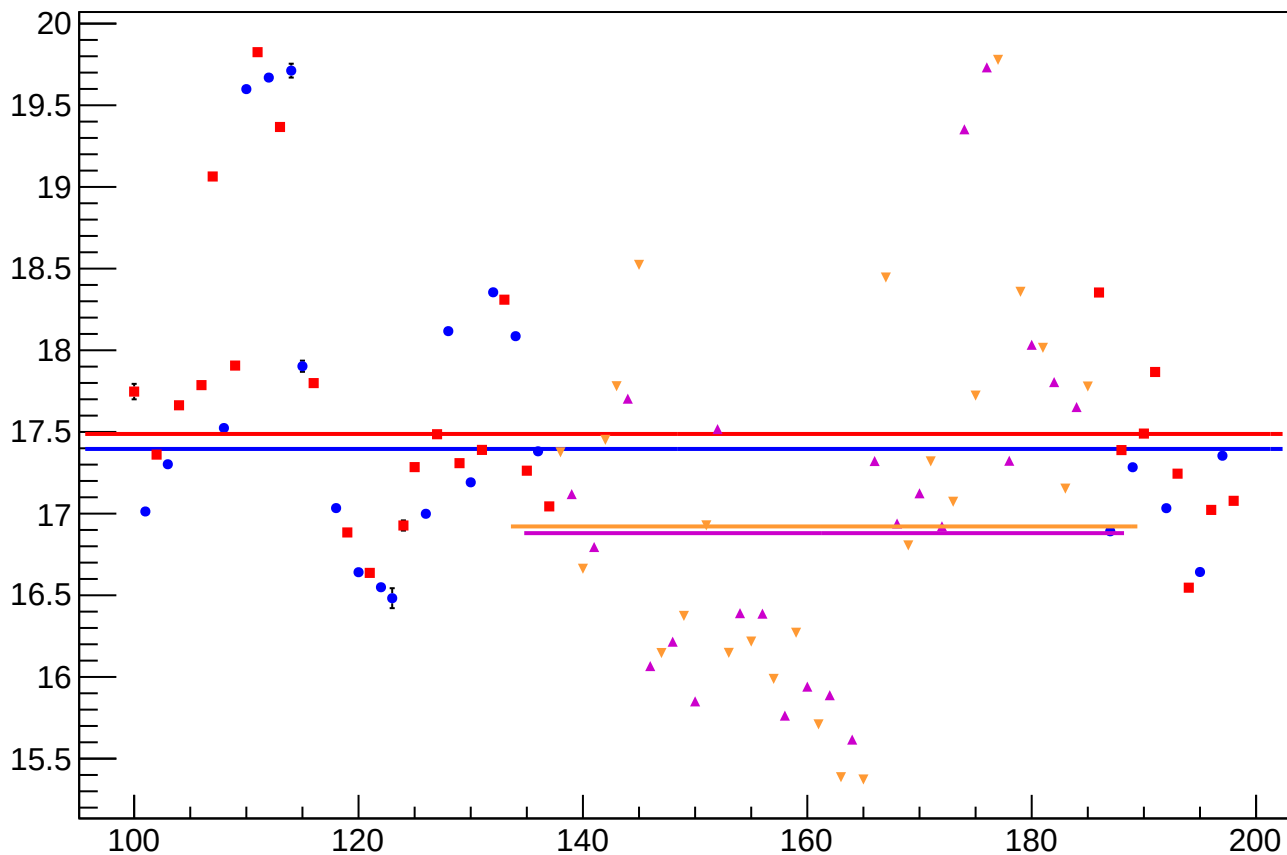
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 1.282 ± 3.223 χ^2/NDF : 29.9/46

All: -2.032 ± 2.253 χ^2/NDF : 98.2/96

- sign -5.198 ± 3.150 χ^2/NDF : 66.2/49

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.396 ± 0.004 $\chi^2/\text{NDF}: 38974.8/21$

Left Out: 16.921 ± 0.003 $\chi^2/\text{NDF}: 138990.4/24$

Right Out: 17.488 ± 0.004 $\chi^2/\text{NDF}: 42345.9/26$

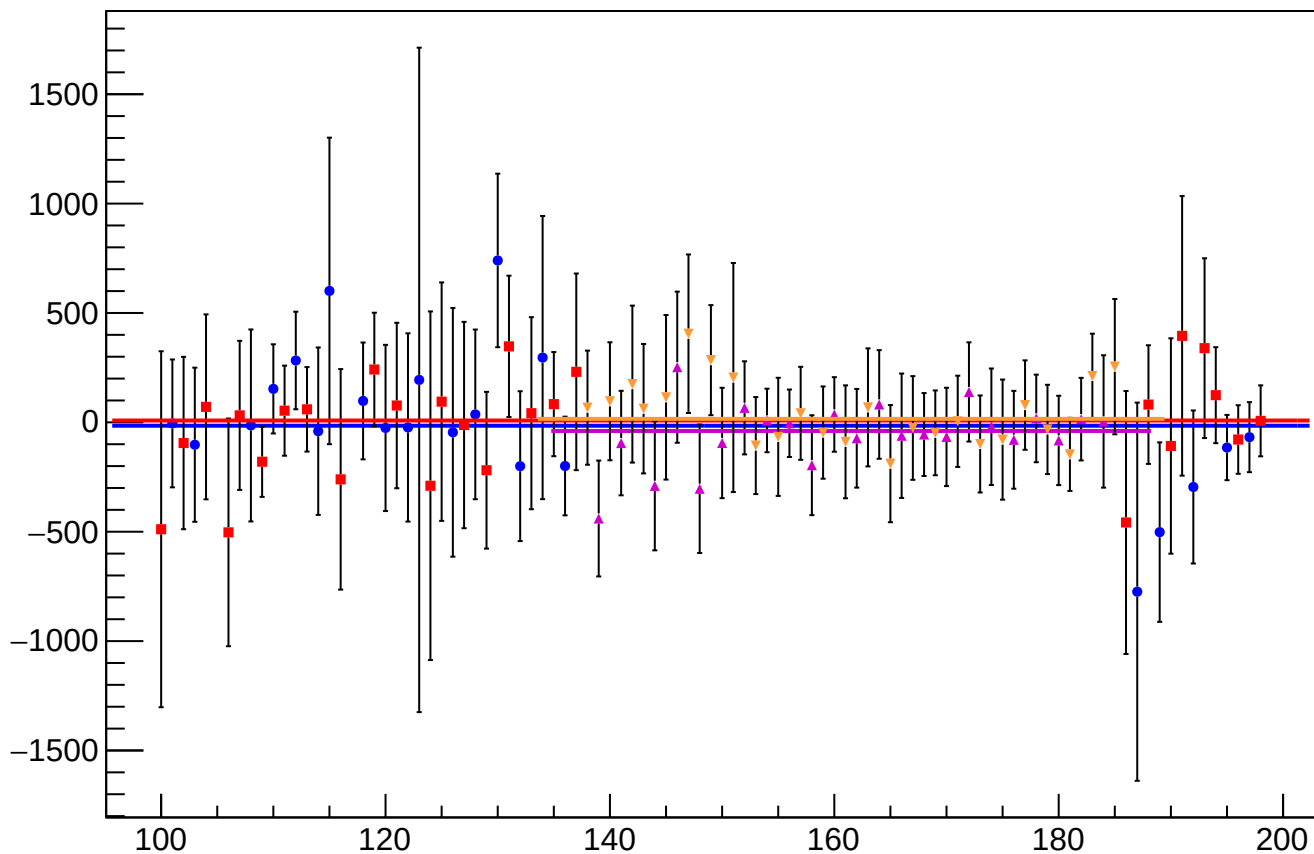
Left In: 16.880 ± 0.003 $\chi^2/\text{NDF}: 121736.1/22$

+ sign 17.079 ± 0.002 $\chi^2/\text{NDF}: 187589.6/46$

All: 17.100 ± 0.002 $\chi^2/\text{NDF}: 369577.1/96$

- sign 17.120 ± 0.002 $\chi^2/\text{NDF}: 181827.5/49$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -15.375 ± 63.139 χ^2/NDF : 11.7/21

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 8.402 ± 55.587 χ^2/NDF : 8.4/26

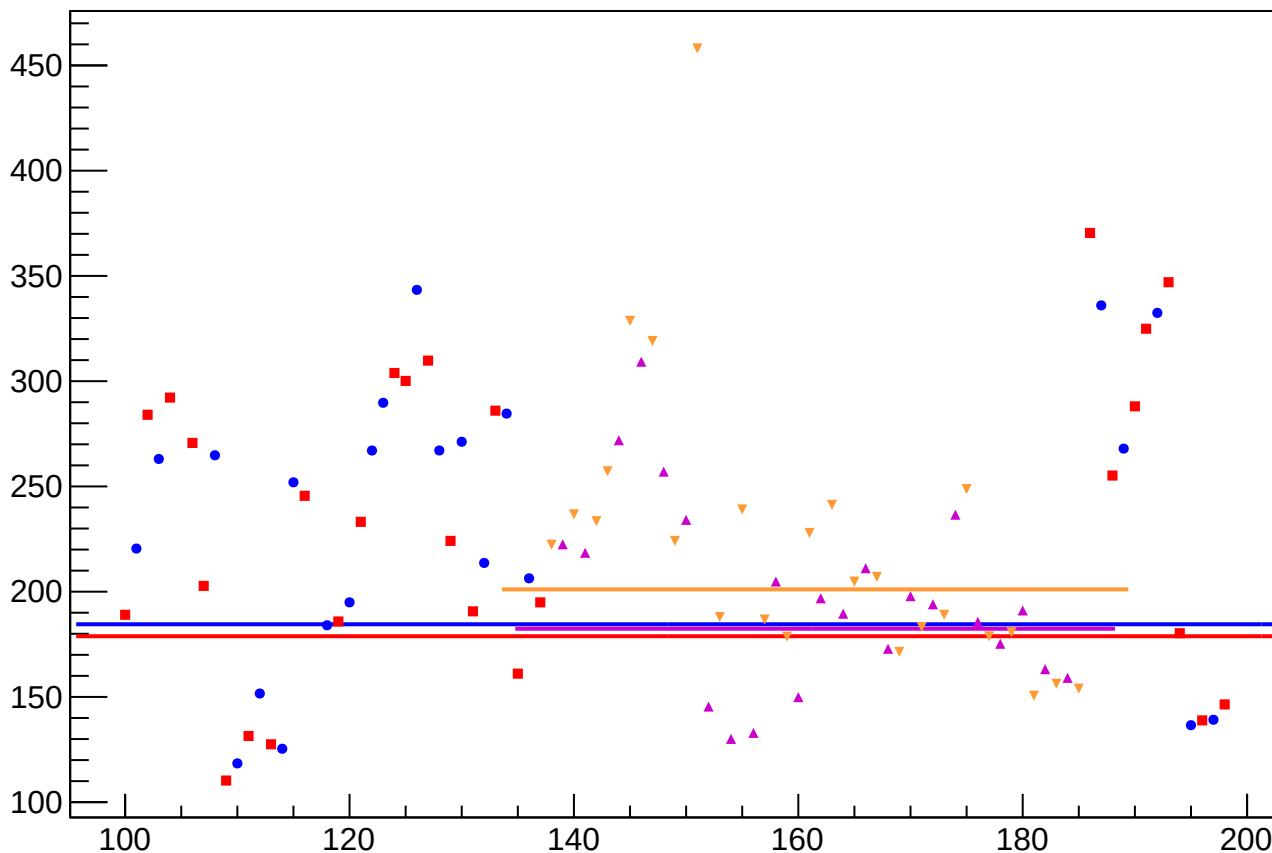
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign 4.337 ± 38.464 χ^2/NDF : 19.2/46

All: -8.987 ± 25.984 χ^2/NDF : 35.2/96

- sign -20.173 ± 35.242 χ^2/NDF : 15.7/49

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 184.522 $\pm$ 0.045 χ^2 /NDF: 1893516.6/21

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF: 1731069.1/24

Right Out: 178.829 $\pm$ 0.039 χ^2 /NDF: 2627275.2/26

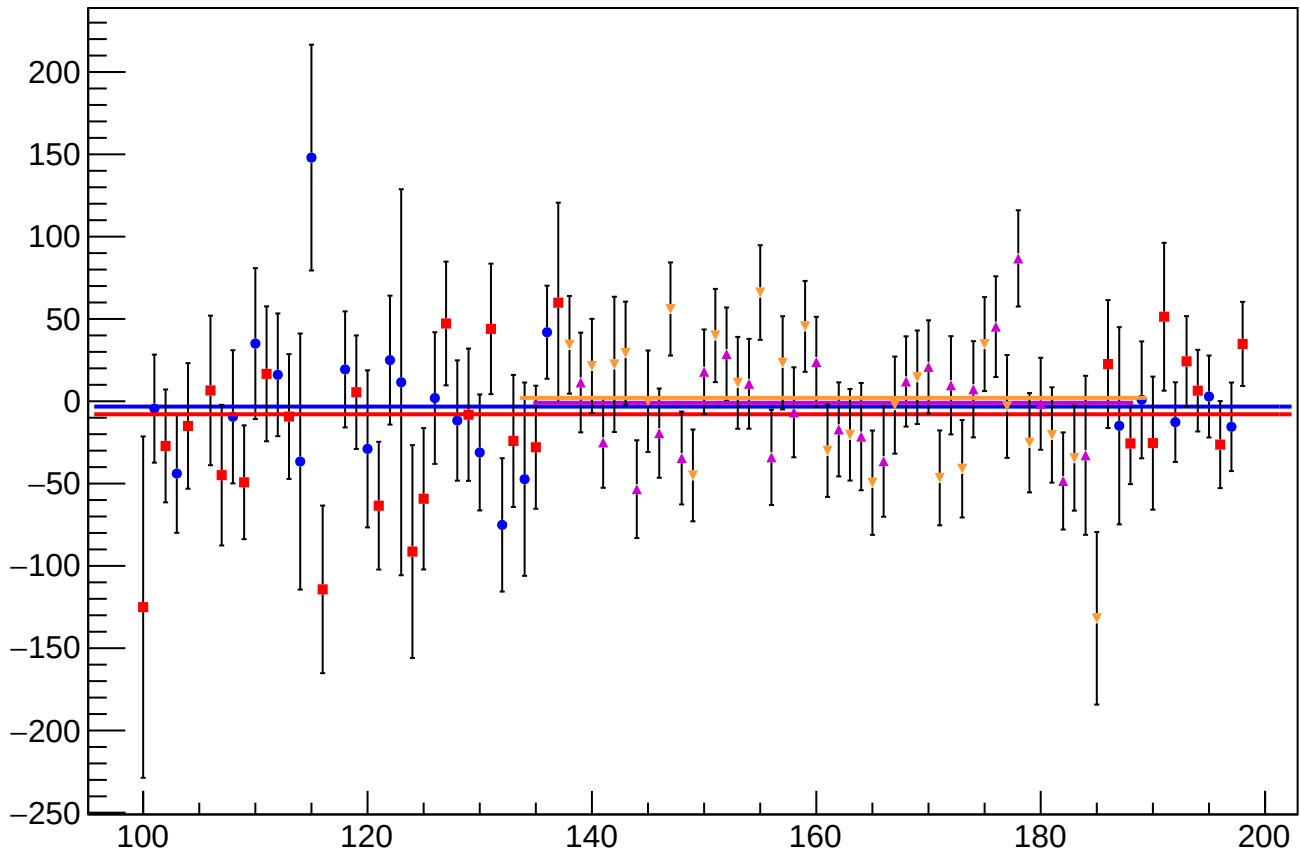
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF: 1548907.7/22

+ sign 194.942 $\pm$ 0.027 χ^2 /NDF: 3711202.5/46

All: 187.342 $\pm$ 0.018 χ^2 /NDF: 8035931.9/96

- sign 180.962 $\pm$ 0.025 χ^2 /NDF: 4181107.9/49

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -3.231 ± 7.916 $\chi^2/\text{NDF}: 16.0/21$

Left Out: 2.054 ± 5.970 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -7.899 ± 7.009 $\chi^2/\text{NDF}: 27.5/26$

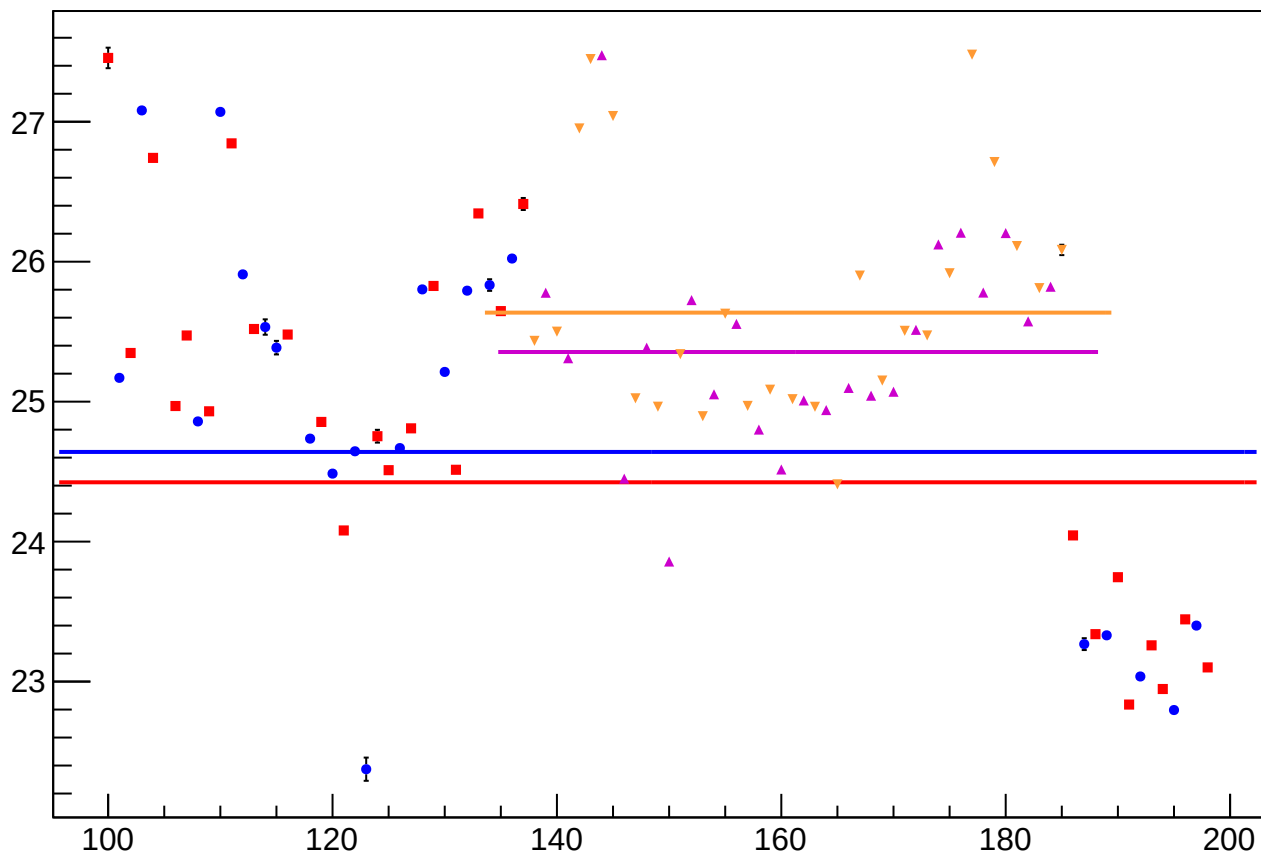
Left In: -0.900 ± 6.069 $\chi^2/\text{NDF}: 27.1/22$

+ sign 0.138 ± 4.766 $\chi^2/\text{NDF}: 55.7/46$

All: -1.958 ± 3.306 $\chi^2/\text{NDF}: 111.2/96$

- sign -3.900 ± 4.588 $\chi^2/\text{NDF}: 55.2/49$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.641 $\pm$ 0.006 χ^2 /NDF: 56546.9/21

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 24.424 $\pm$ 0.005 χ^2 /NDF: 59939.0/26

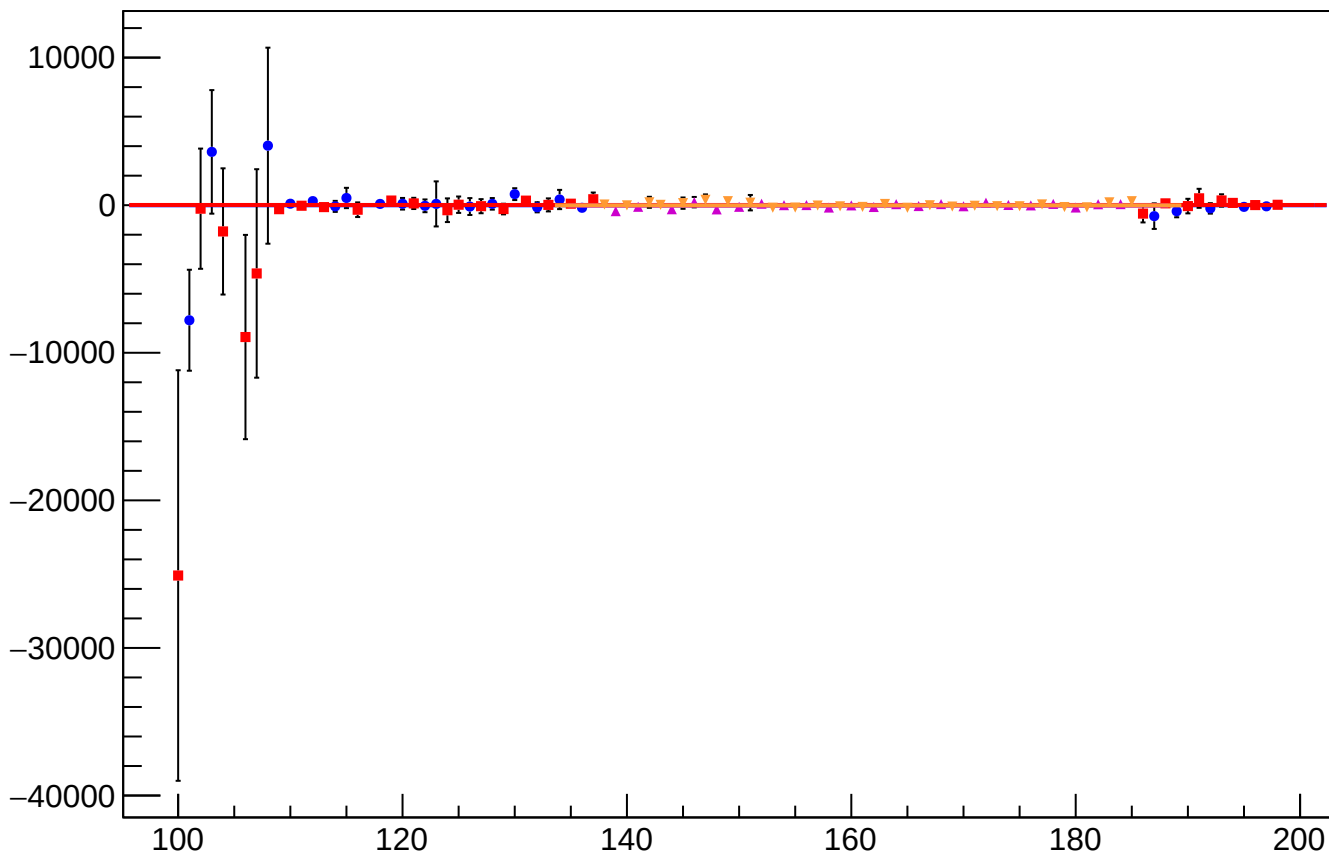
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.275 $\pm$ 0.003 χ^2 /NDF: 111836.2/46

All: 25.109 $\pm$ 0.002 χ^2 /NDF: 226364.0/96

- sign 24.956 $\pm$ 0.003 χ^2 /NDF: 109867.3/49

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -6.743+/-67.389 χ^2/NDF : 16.4/21

Left Out: -12.820+/-48.216 χ^2/NDF : 7.9/24

Right Out: 14.915+/-60.434 χ^2/NDF : 14.7/26

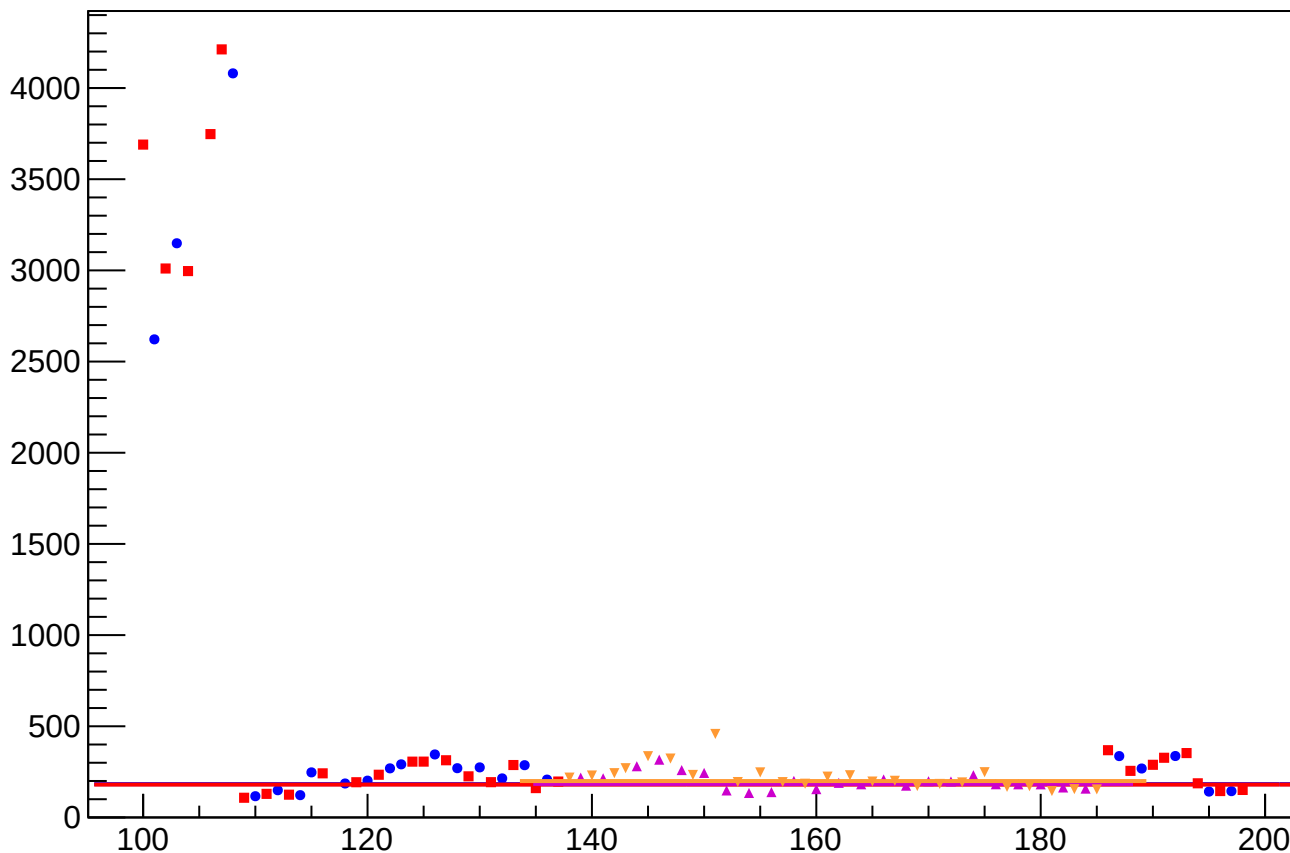
Left In: -26.836+/-45.876 χ^2/NDF : 7.5/22

+ sign -10.763+/-39.213 χ^2/NDF : 24.3/46

All: -11.196+/-26.733 χ^2/NDF : 46.8/96

- sign -11.573+/-36.540 χ^2/NDF : 22.5/49

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 182.640 $\pm$ 0.048 χ^2 /NDF: 4371616.3/21

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF:1880548.8/24

Right Out: 180.248 $\pm$ 0.043 χ^2 /NDF: 5270190.0/26

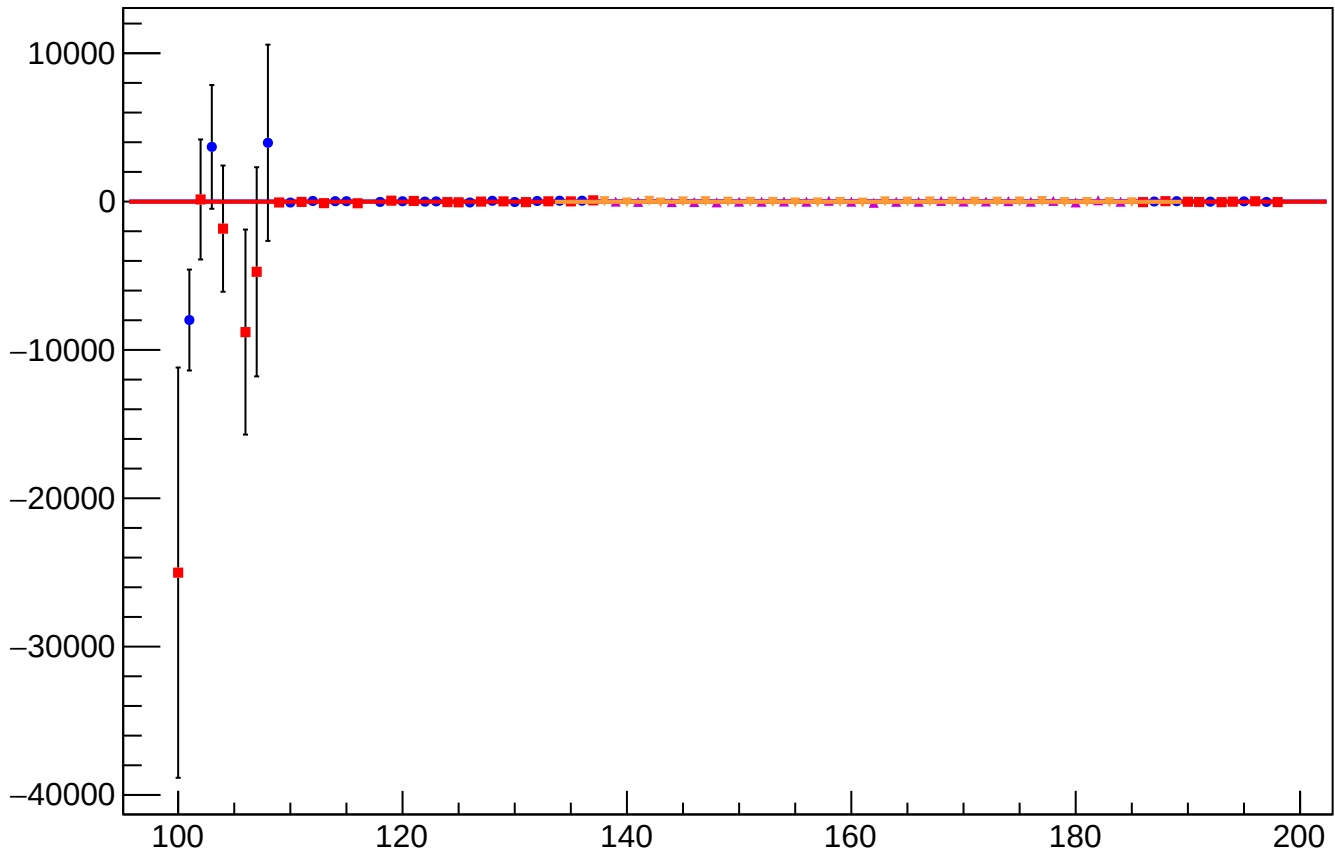
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 193.815 $\pm$ 0.028 χ^2 /NDF: 6335316.6/46

All: 187.838 $\pm$ 0.019 χ^2 /NDF: 13120744.0/96

- sign 182.648 $\pm$ 0.026 χ^2 /NDF: 6698618.6/49

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 7.020+/-9.658 χ^2/NDF : 20.4/21

Left Out: -17.580+/-6.694 χ^2/NDF :22.3/24

Right Out: -10.854+/-8.721 χ^2/NDF : 28.6/26

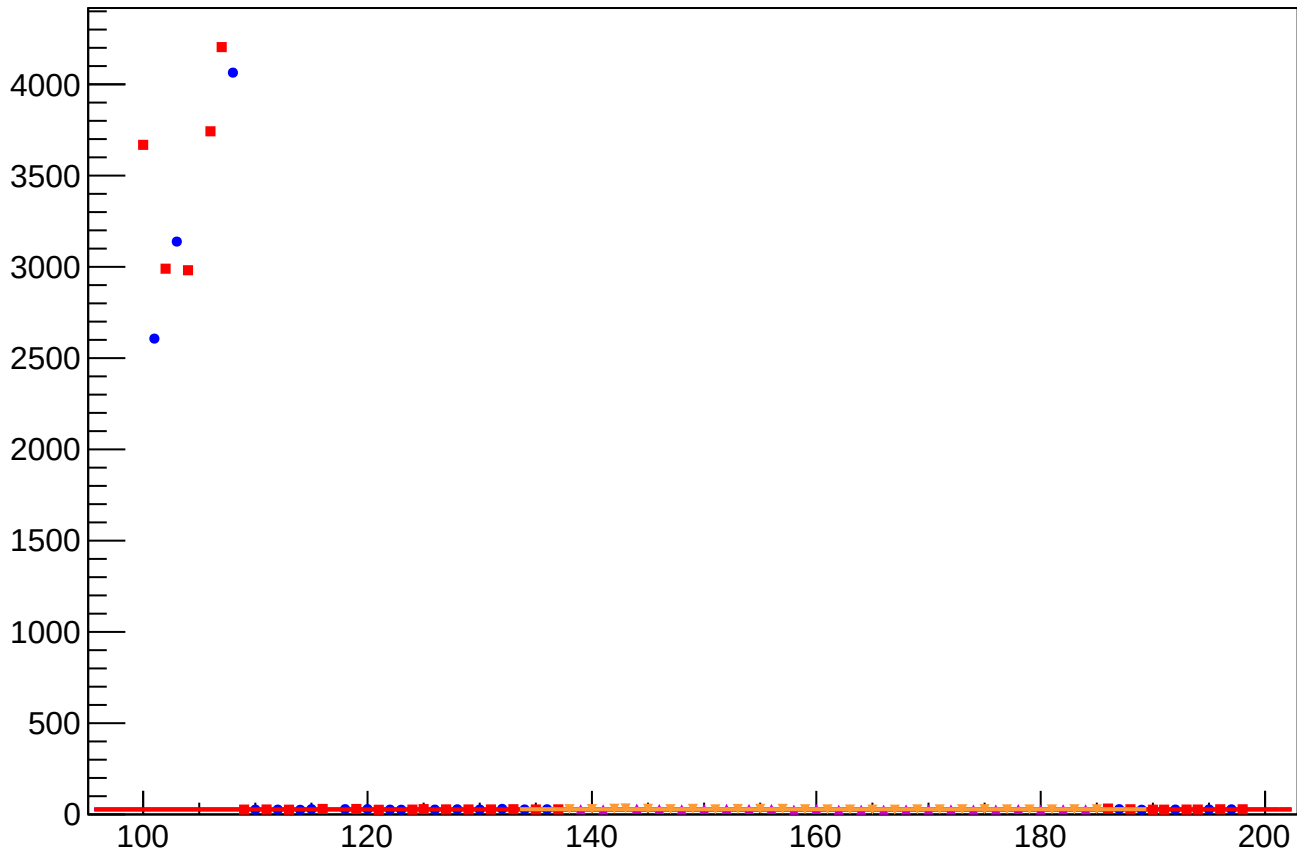
Left In: -1.038+/-6.880 χ^2/NDF :32.4/22

+ sign -9.597+/-5.501 χ^2/NDF : 47.2/46

All: -7.156+/-3.854 χ^2/NDF : 109.3/96

- sign -4.803+/-5.402 χ^2/NDF : 61.8/49

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.651 $\pm$ 0.007 χ^2 /NDF: 3034748.3/21

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.741 $\pm$ 0.006 χ^2 /NDF: 3500693.8/26

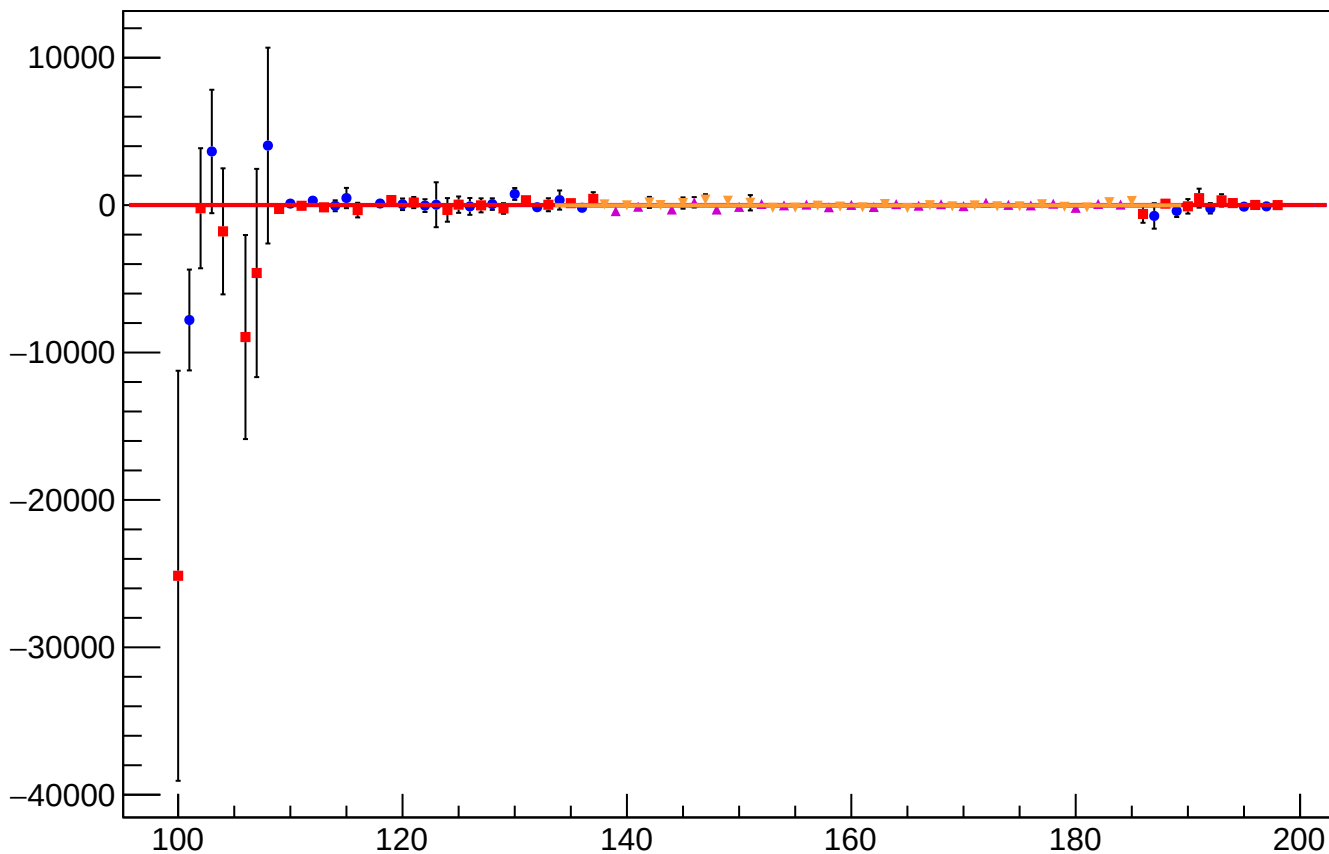
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.353 $\pm$ 0.004 χ^2 /NDF: 3160885.3/46

All: 28.334 $\pm$ 0.003 χ^2 /NDF: 6800438.6/96

- sign 28.315 $\pm$ 0.004 χ^2 /NDF: 3639504.7/49

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -1.713 ± 67.188 χ^2/NDF : 16.6/21

Left Out: -15.483 ± 48.109 χ^2/NDF : 8.7/24

Right Out: 14.640 ± 60.259 χ^2/NDF : 15.4/26

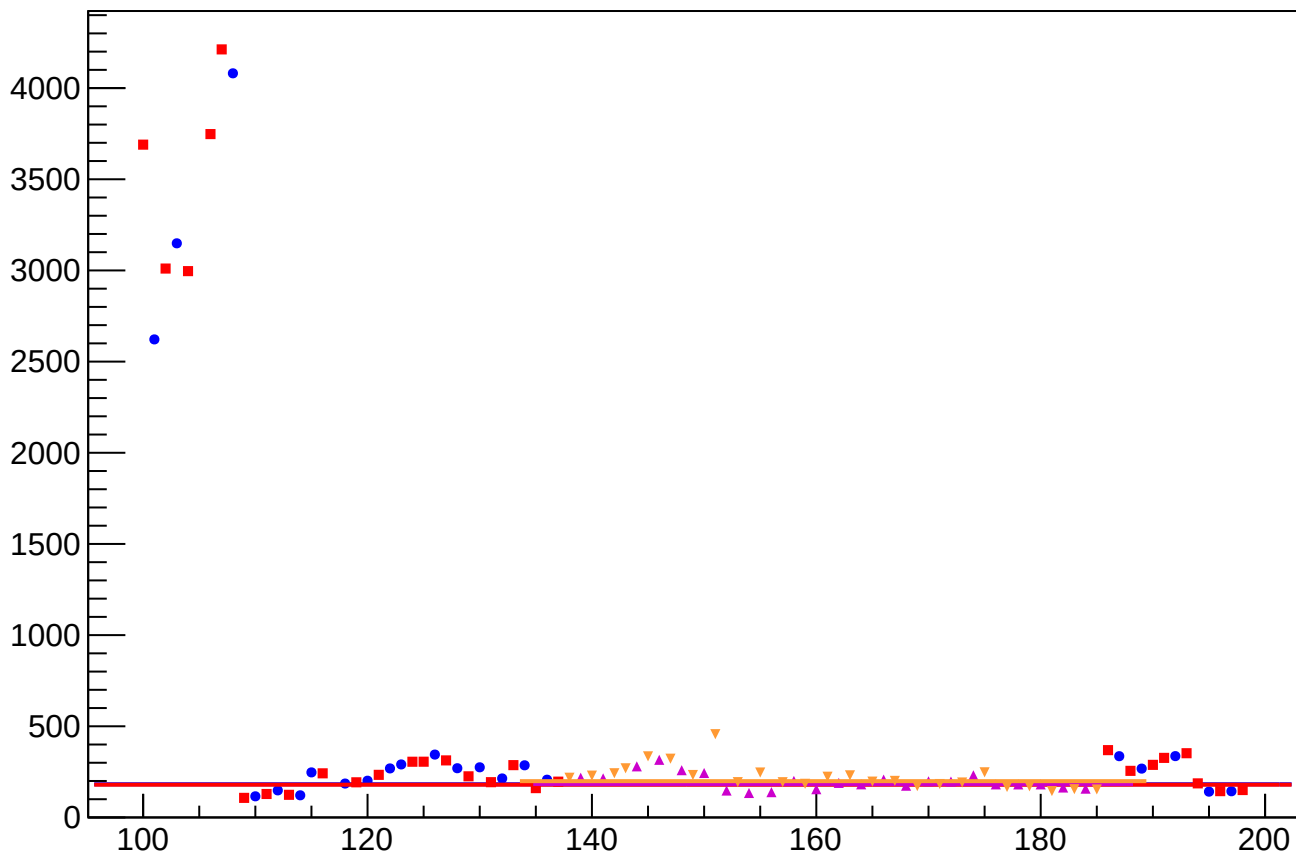
Left In: -27.009 ± 45.785 χ^2/NDF : 7.8/22

+ sign -10.816 ± 39.116 χ^2/NDF : 25.3/46

All: -11.324 ± 26.669 χ^2/NDF : 48.8/96

- sign -11.766 ± 36.455 χ^2/NDF : 23.5/49

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.017 $\pm$ 0.048 χ^2 /NDF: 4384795.6/21

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF:1880343.4/24

Right Out: 179.639 $\pm$ 0.043 χ^2 /NDF: 5288295.4/26

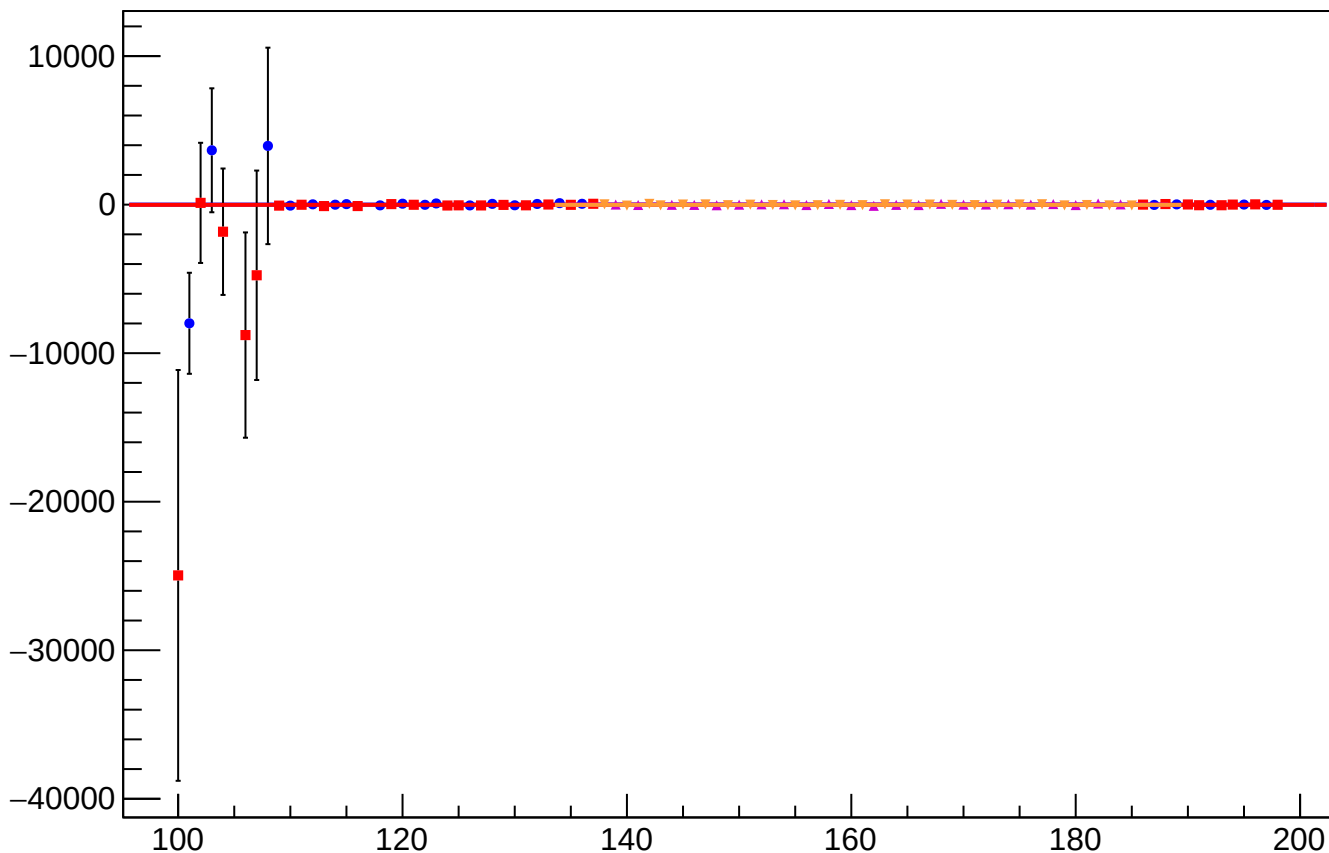
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 193.306 $\pm$ 0.028 χ^2 /NDF: 6350550.4/46

All: 187.359 $\pm$ 0.019 χ^2 /NDF: 13153803.1/96

- sign 182.193 $\pm$ 0.026 χ^2 /NDF: 6716858.3/49

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 3.040 ± 9.678 χ^2/NDF : 23.9/21

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -13.417 ± 8.735 χ^2/NDF : 23.8/26

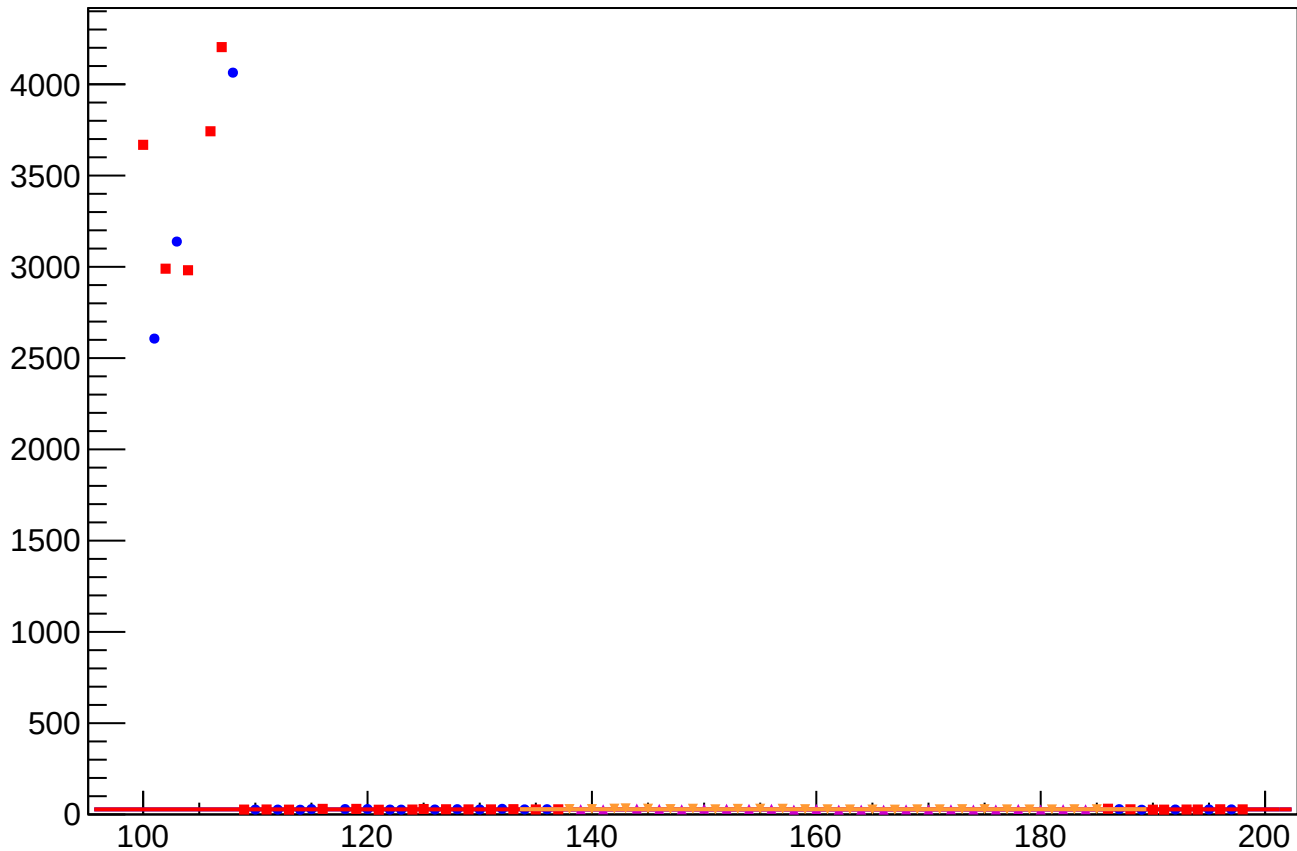
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -9.132 ± 5.522 χ^2/NDF : 43.7/46

All: -6.890 ± 3.868 χ^2/NDF : 95.8/96

- sign -4.731 ± 5.419 χ^2/NDF : 51.7/49

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.705 $\pm$ 0.007 χ^2 /NDF: 3036634.3/21

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.786 $\pm$ 0.006 χ^2 /NDF: 3497755.4/26

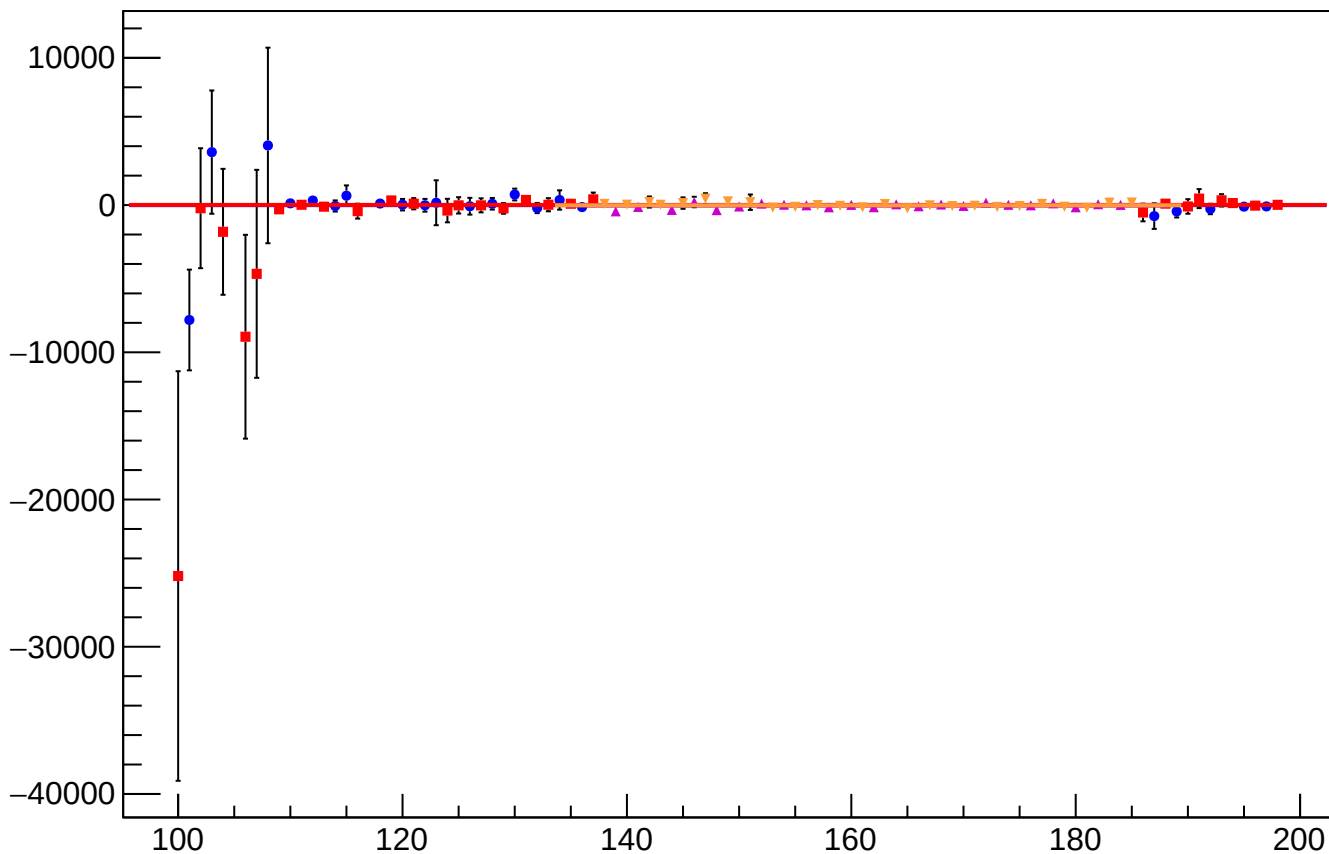
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.452 $\pm$ 0.004 χ^2 /NDF: 3176263.9/46

All: 28.428 $\pm$ 0.003 χ^2 /NDF: 6819809.3/96

- sign 28.405 $\pm$ 0.004 χ^2 /NDF: 3643471.5/49

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -4.367 ± 67.748 χ^2/NDF : 17.0/21

Left Out: -15.548 ± 48.688 χ^2/NDF : 8.0/24

Right Out: 11.181 ± 60.834 χ^2/NDF : 14.6/26

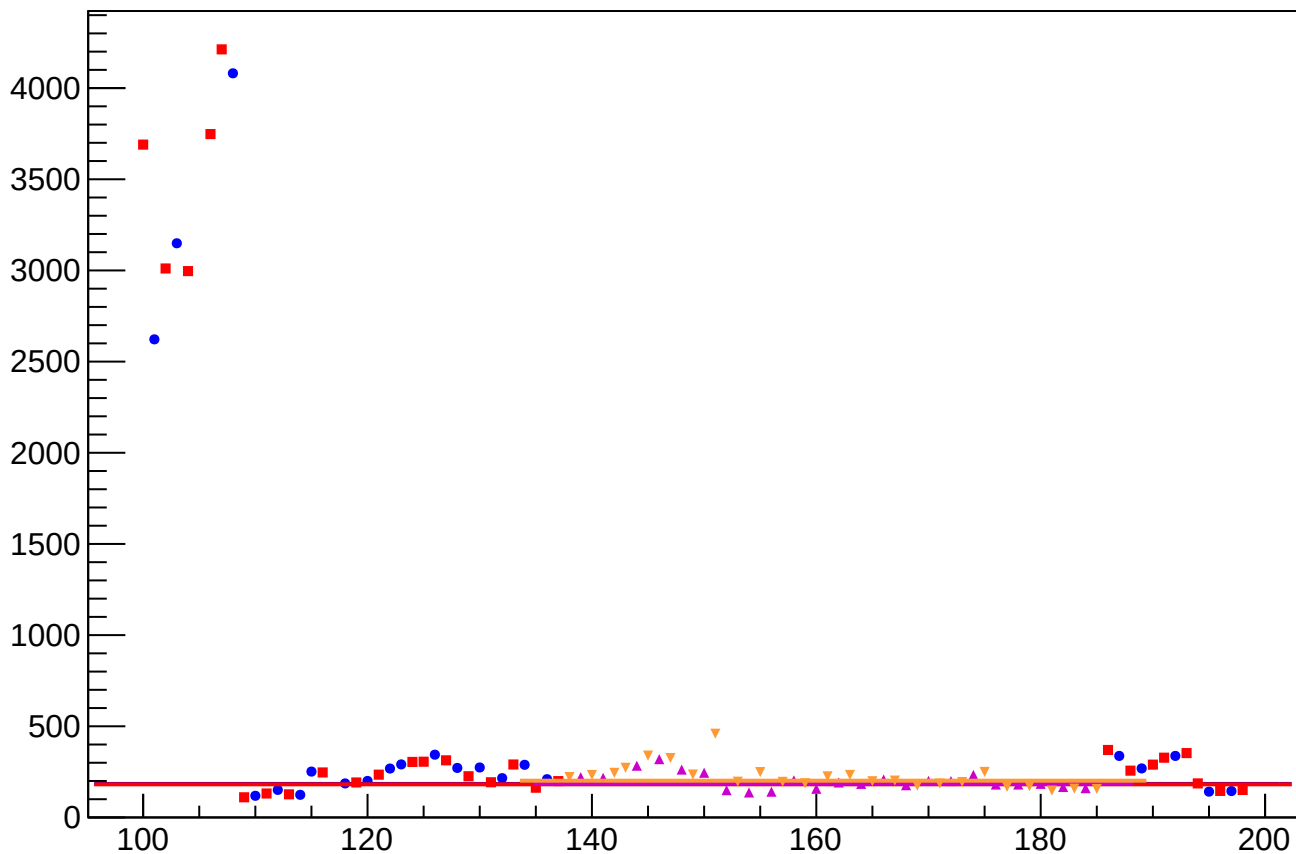
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign -11.740 ± 39.537 χ^2/NDF : 25.0/46

All: -13.810 ± 26.966 χ^2/NDF : 48.1/96

- sign -15.611 ± 36.873 χ^2/NDF : 23.1/49

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 183.753 $\pm$ 0.048 χ^2 /NDF: 4347233.3/21

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF:1857453.2/24

Right Out: 181.726 $\pm$ 0.043 χ^2 /NDF: 5219444.7/26

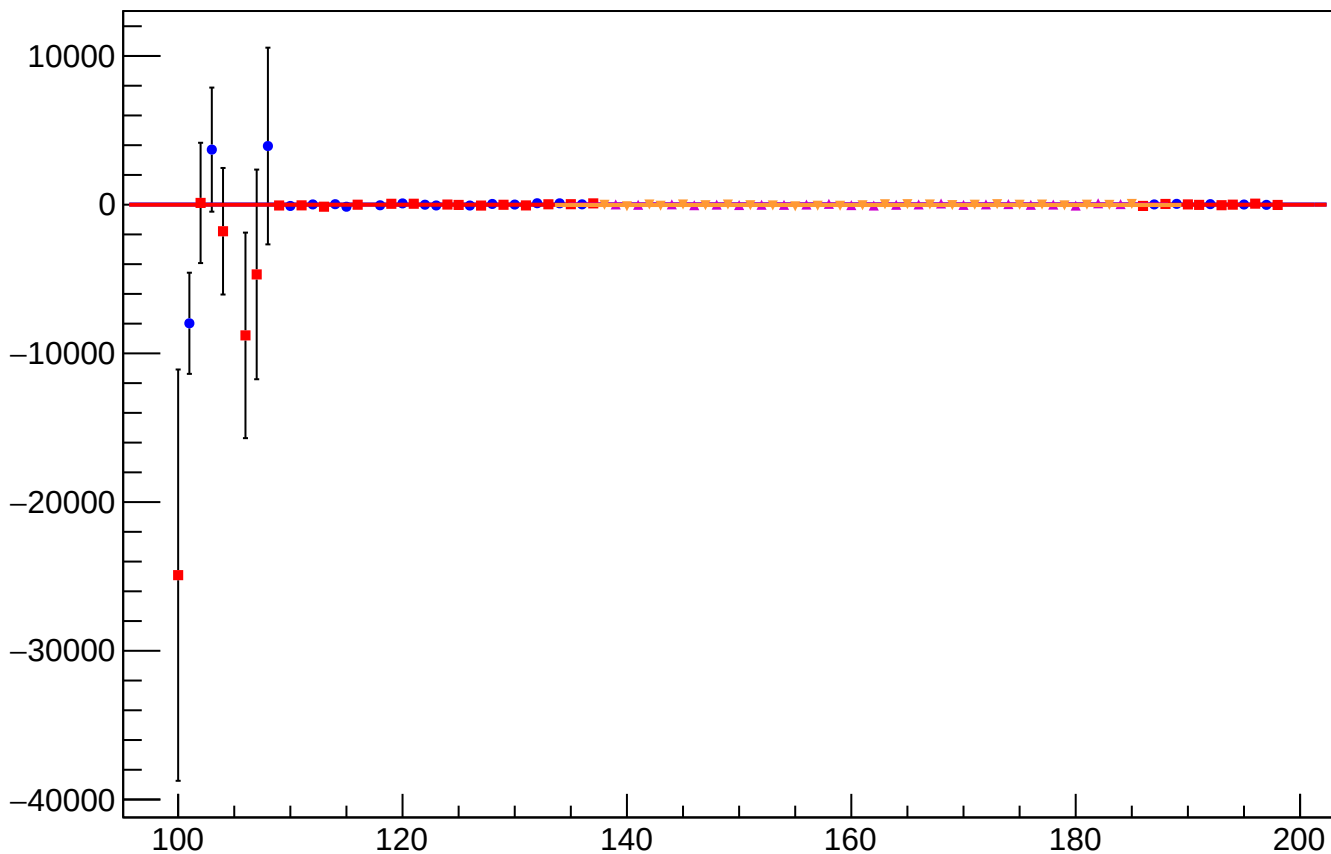
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

+ sign 195.522 $\pm$ 0.028 χ^2 /NDF: 6296214.9/46

All: 189.626 $\pm$ 0.019 χ^2 /NDF: 12996709.8/96

- sign 184.498 $\pm$ 0.026 χ^2 /NDF: 6617333.3/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 11.830+/-11.802 χ^2/NDF : 22.0/21

Left Out: -23.360+/-8.064 χ^2/NDF : 25.8/24

Right Out: -2.741+/-10.634 χ^2/NDF : 30.0/26

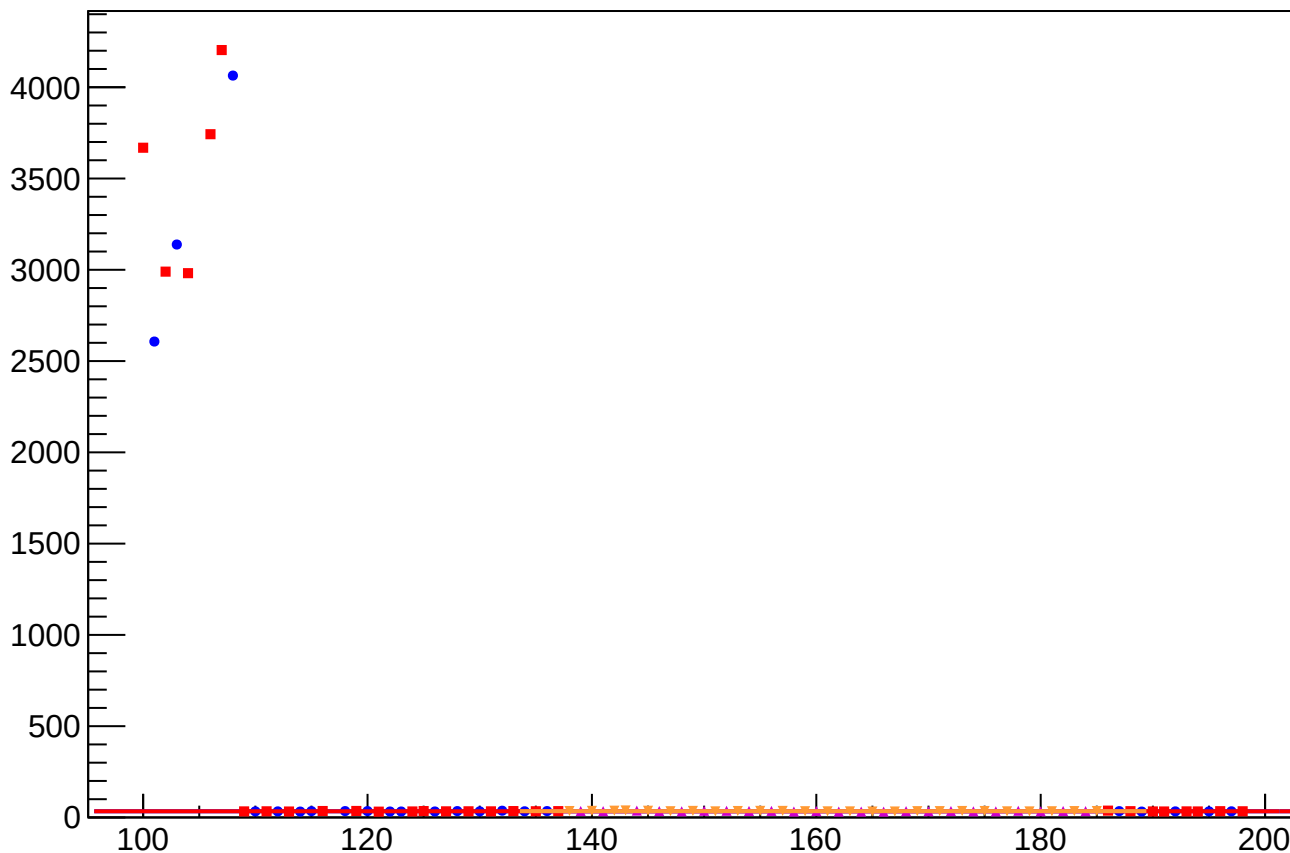
Left In: 6.001+/-8.309 χ^2/NDF : 21.1/22

+ sign -12.160+/-6.658 χ^2/NDF : 53.8/46

All: -4.611+/-4.668 χ^2/NDF : 107.9/96

- sign 2.687+/-6.547 χ^2/NDF : 51.6/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.817 $\pm$ 0.008 χ^2 /NDF: 3011090.8/21

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.883 $\pm$ 0.008 χ^2 /NDF: 3462392.9/26

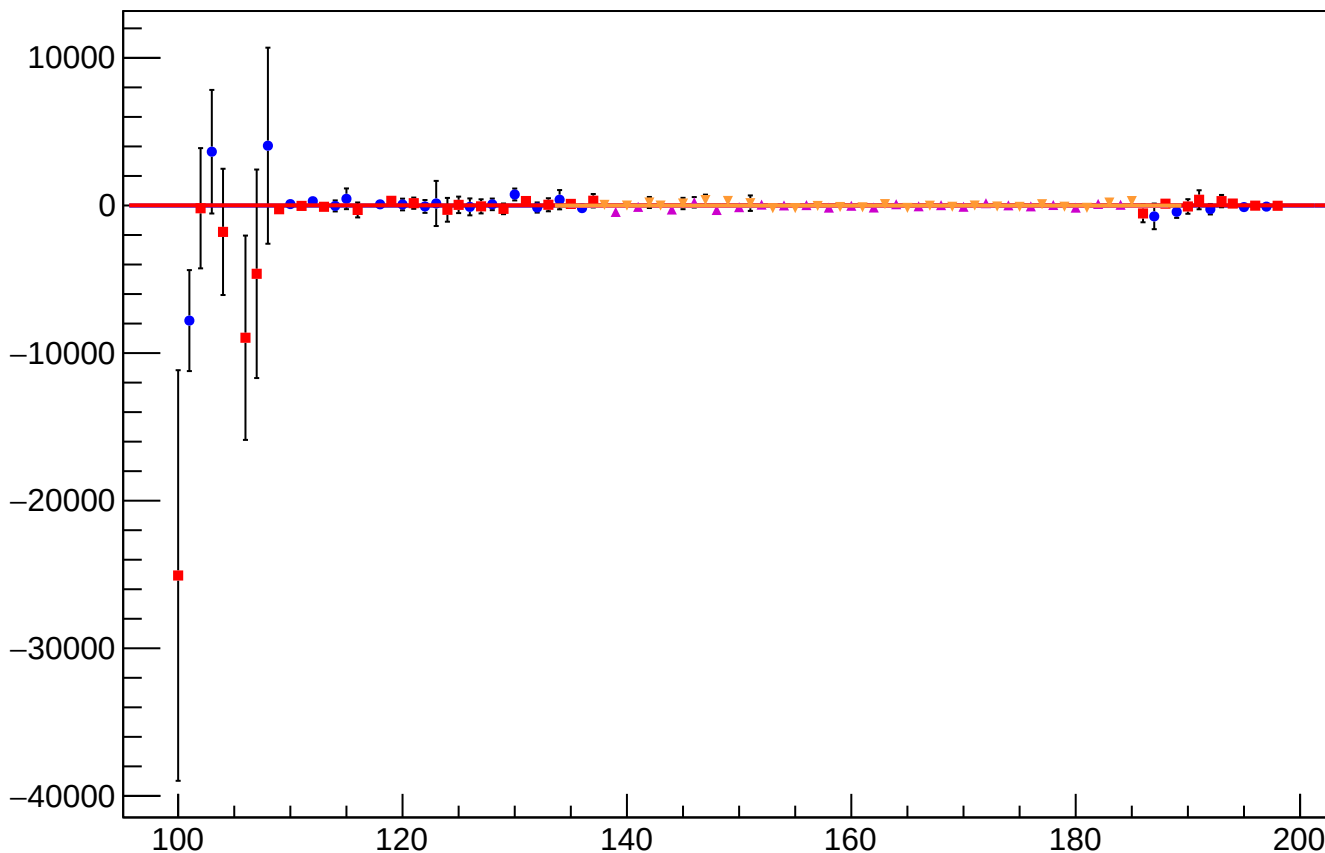
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.361 $\pm$ 0.005 χ^2 /NDF: 3075258.1/46

All: 34.371 $\pm$ 0.003 χ^2 /NDF: 6605046.1/96

- sign 34.381 $\pm$ 0.005 χ^2 /NDF: 3529778.5/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -8.493+/-67.518 χ^2/NDF : 16.5/21

Left Out: -8.916+/-48.615 χ^2/NDF : 8.6/24

Right Out: 11.395+/-60.549 χ^2/NDF : 13.3/26

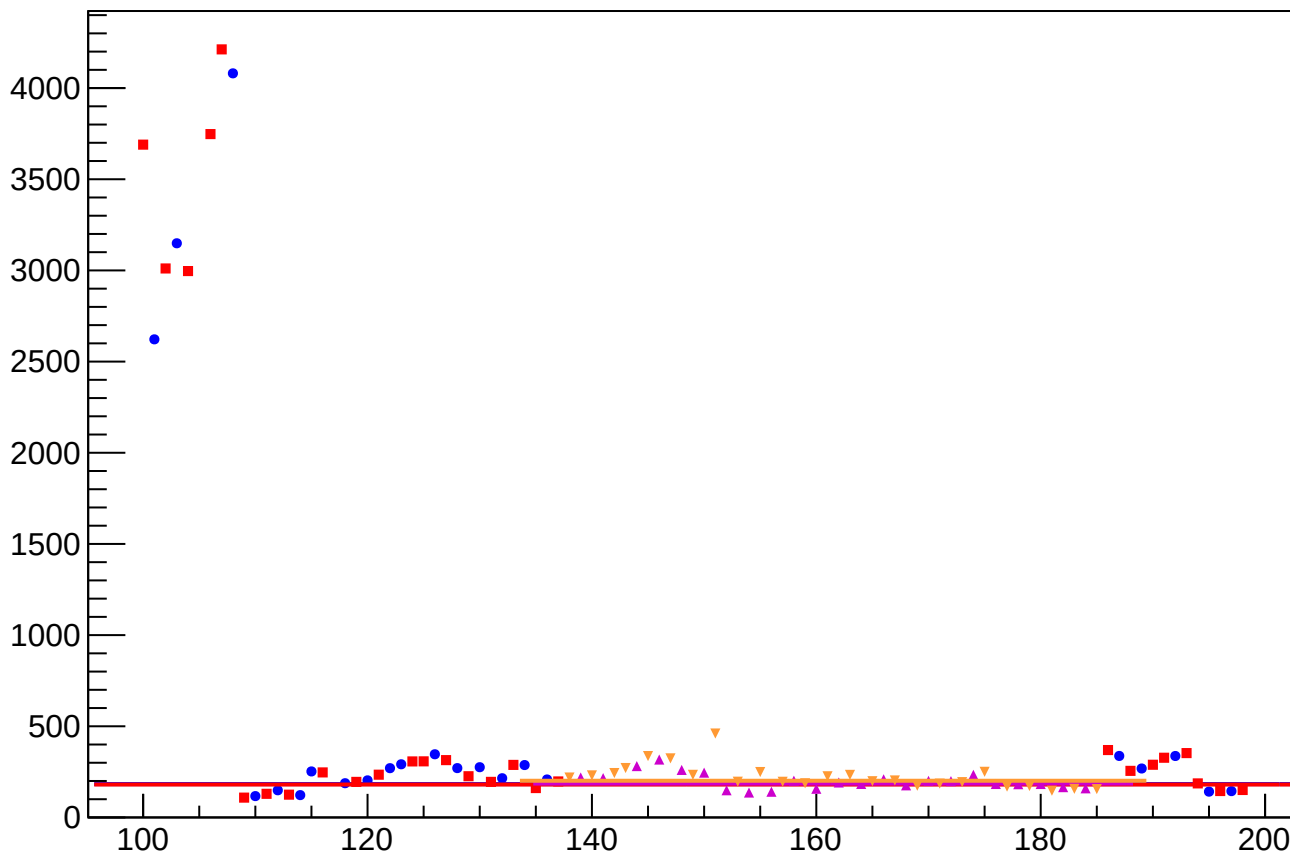
Left In: -34.127+/-46.296 χ^2/NDF : 7.4/22

+ sign -8.772+/-39.452 χ^2/NDF : 25.1/46

All: -13.352+/-26.902 χ^2/NDF : 46.2/96

- sign -17.332+/-36.778 χ^2/NDF : 21.1/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 182.953+/-0.048 χ^2/NDF : 4379203.2/21

Left Out: 201.296+/-0.034 χ^2/NDF :1851134.1/24

Right Out: 180.596+/-0.043 χ^2/NDF : 5272861.7/26

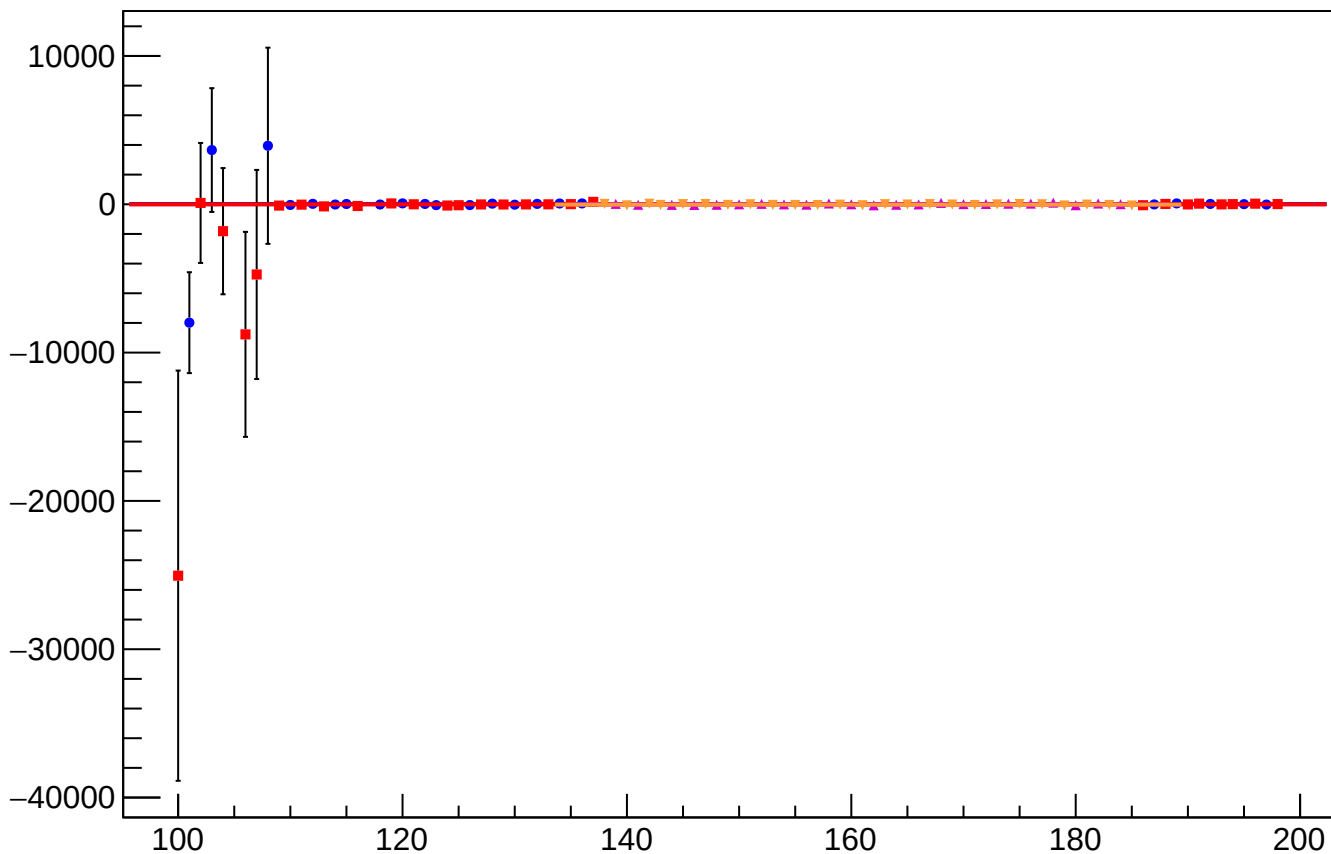
Left In: 185.854+/-0.033 χ^2/NDF :1381771.9/22

+ sign 195.033+/-0.028 χ^2/NDF : 6327557.6/46

All: 189.084+/-0.019 χ^2/NDF : 13076706.6/96

- sign 183.914+/-0.026 χ^2/NDF : 6664149.1/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.545+/-10.718 χ^2/NDF : 16.7/21

Left Out: -22.879+/-7.340 χ^2/NDF :18.8/24

Right Out: -5.237+/-9.654 χ^2/NDF : 34.2/26

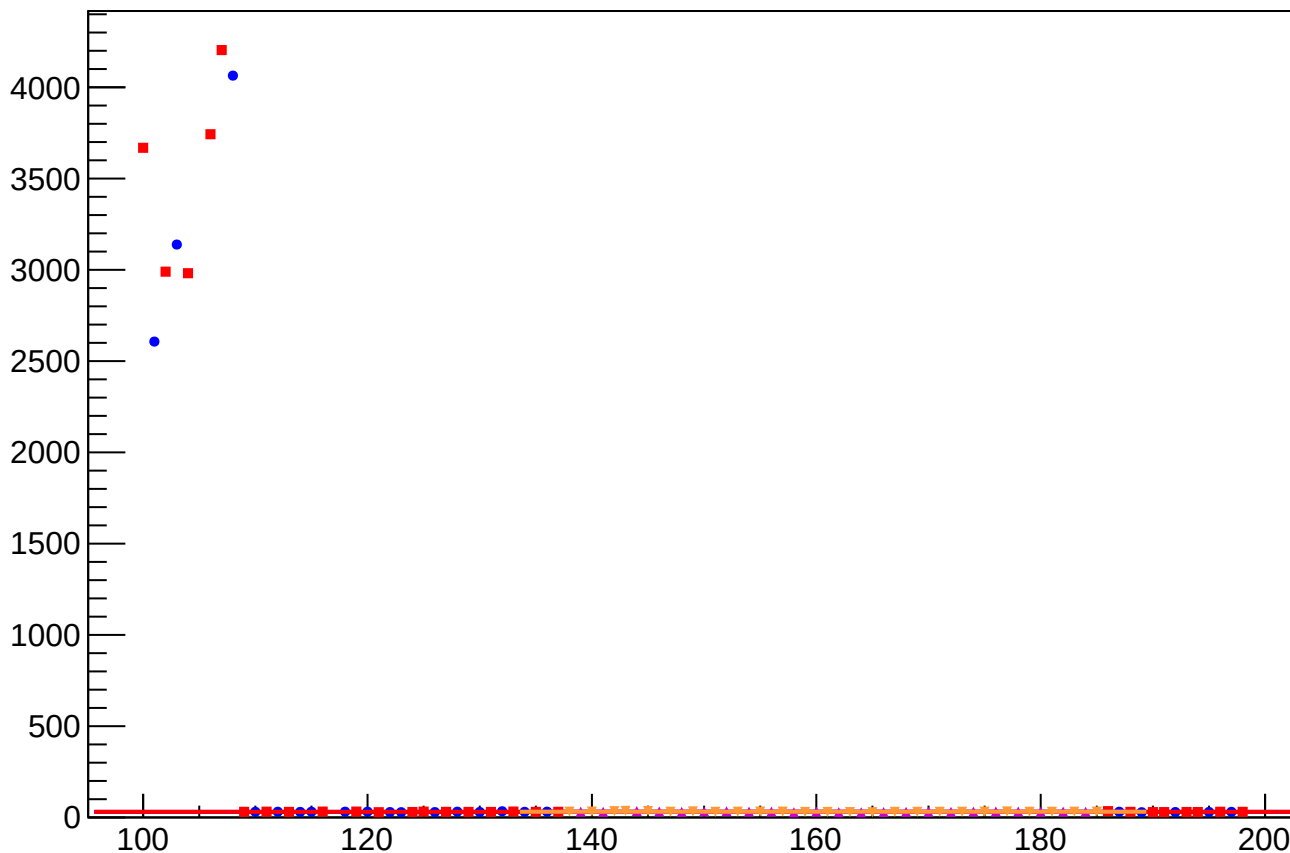
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -11.568+/-6.056 χ^2/NDF : 42.9/46

All: -4.814+/-4.243 χ^2/NDF : 118.7/96

- sign 1.700+/-5.947 χ^2/NDF : 73.4/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.701+/-0.008 χ^2/NDF : 3023814.4/21

Left Out: 31.482+/-0.005 χ^2/NDF : 82437.2/24

Right Out: 30.731+/-0.007 χ^2/NDF : 3475769.8/26

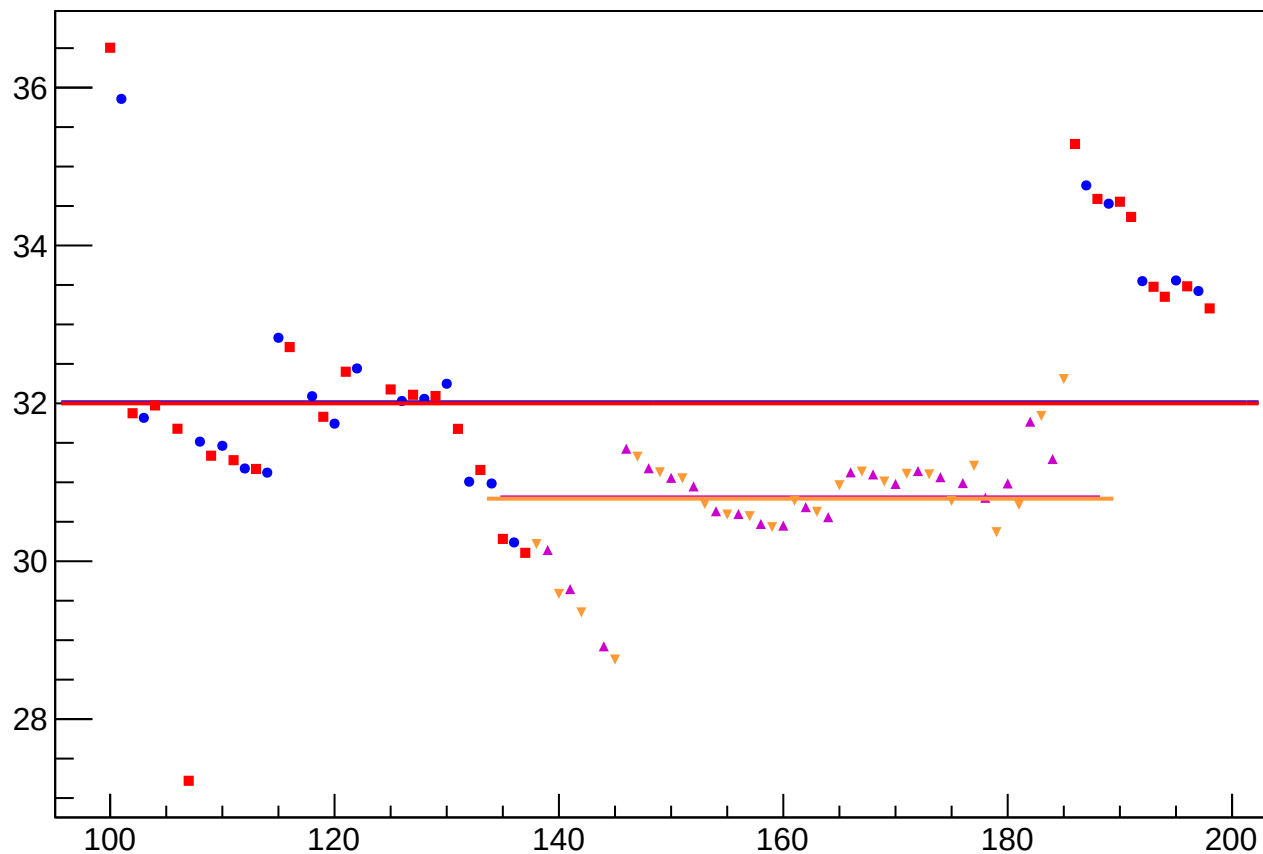
Left In: 31.484+/-0.005 χ^2/NDF : 87981.1/22

+ sign 31.233+/-0.004 χ^2/NDF : 3113468.2/46

All: 31.215+/-0.003 χ^2/NDF : 6684813.3/96

- sign 31.198+/-0.004 χ^2/NDF : 3571312.8/49

yield_usl_mean vs Slug



Right In: 32.014+/-0.000 χ^2/NDF : 2025035730.1/20

Left Out: 30.793+/-0.000 χ^2/NDF : 1007261340.7/23

Right Out: 32.000+/-0.000 χ^2/NDF : 1936631376.6/25

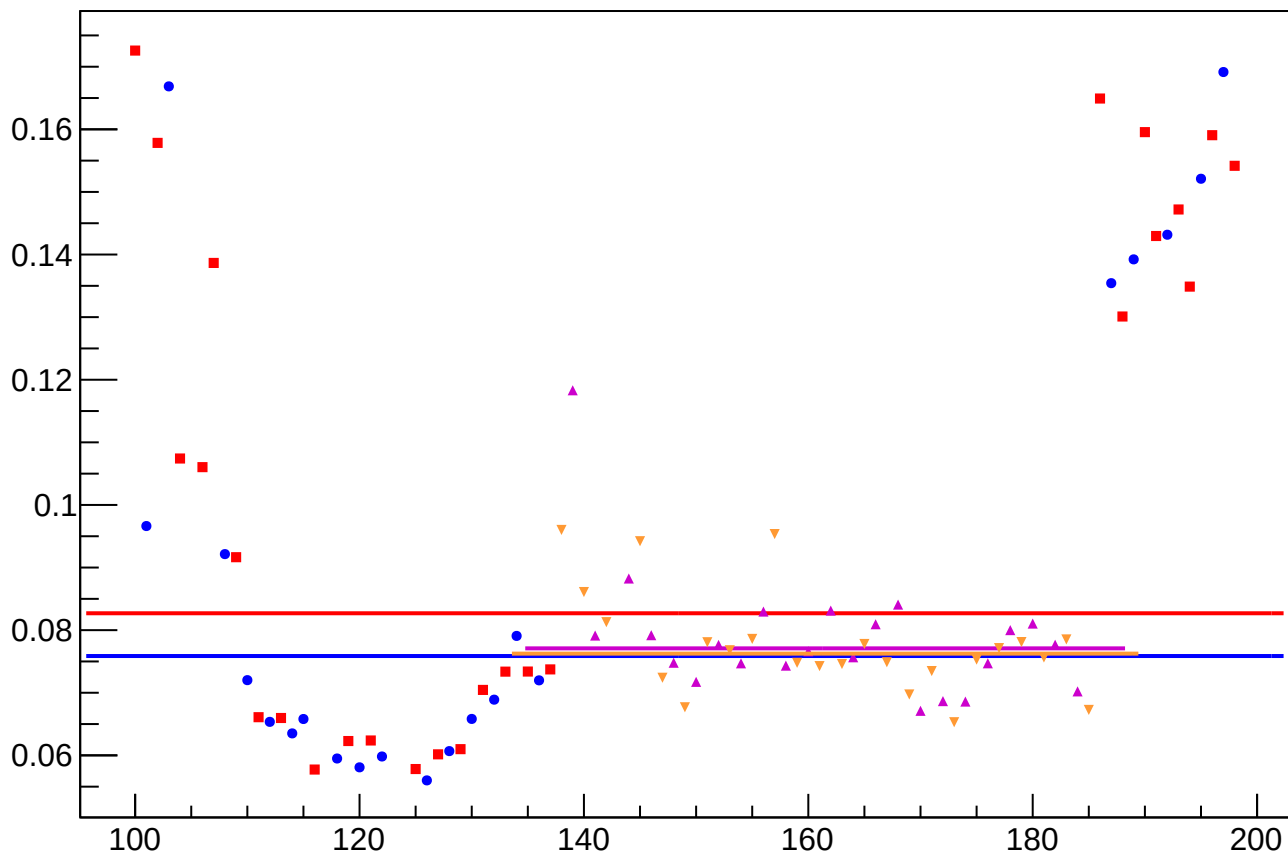
Left In: 30.809+/-0.000 χ^2/NDF : 821961762.3/22

+ sign 31.199+/-0.000 χ^2/NDF : 4401421619.8/44

All: 31.211+/-0.000 χ^2/NDF : 8474211057.2/9

- sign 31.223+/-0.000 χ^2/NDF : 4071627922.1/48

yield_usl_rms vs Slug



Right In: 0.076 $\pm$ 0.000 χ^2 /NDF: 2246677.1/20

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF: 277876.5/23

Right Out: 0.083 $\pm$ 0.000 χ^2 /NDF: 3059283.8/25

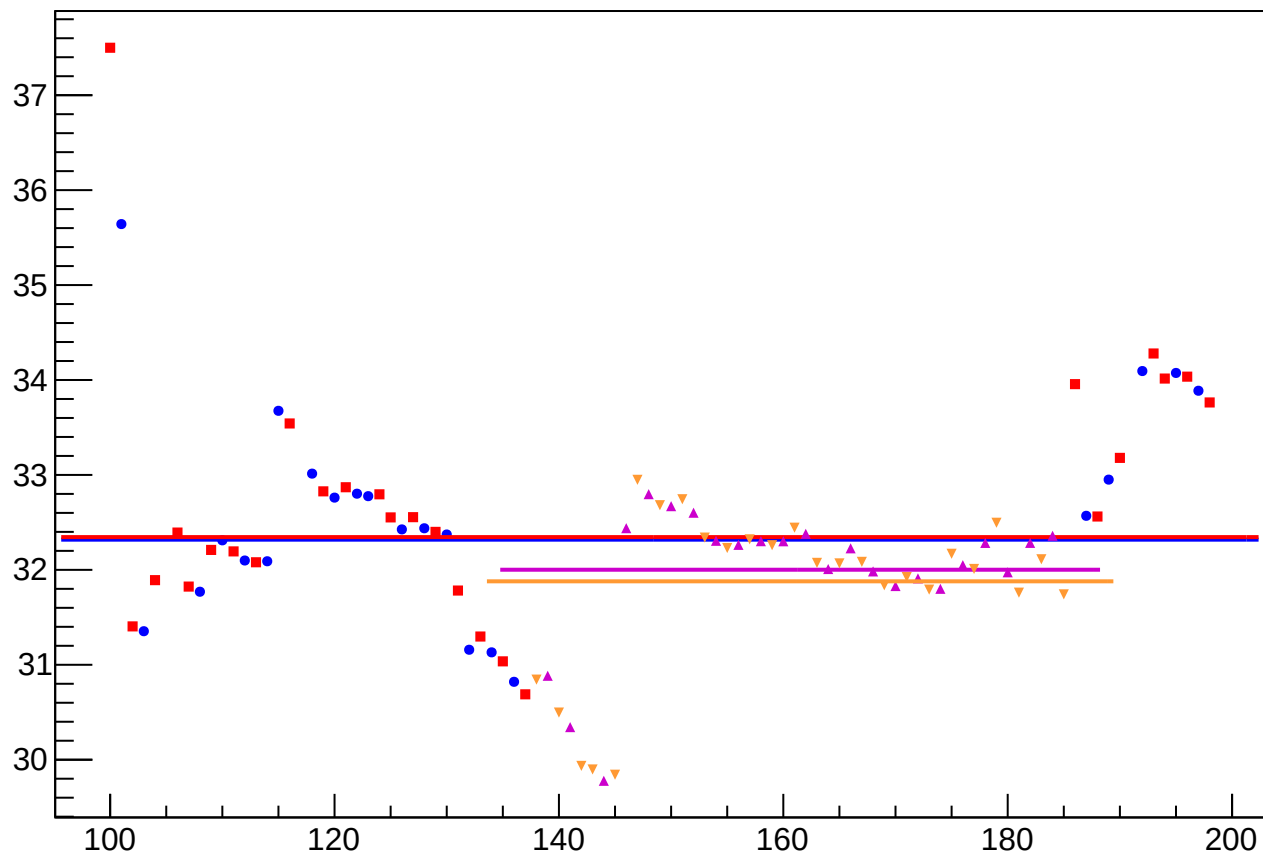
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF: 325844.3/22

+ sign 0.076 $\pm$ 0.000 χ^2 /NDF: 2524821.6/44

All: 0.078 $\pm$ 0.000 χ^2 /NDF: 6003100.5/93

- sign 0.079 $\pm$ 0.000 χ^2 /NDF: 3443330.4/48

yield_usr_mean vs Slug



Right In: 32.318+/-0.000 χ^2/NDF : 1167260775.4/21

Left Out: 31.879+/-0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.345+/-0.000 χ^2/NDF : 705013116.3/25

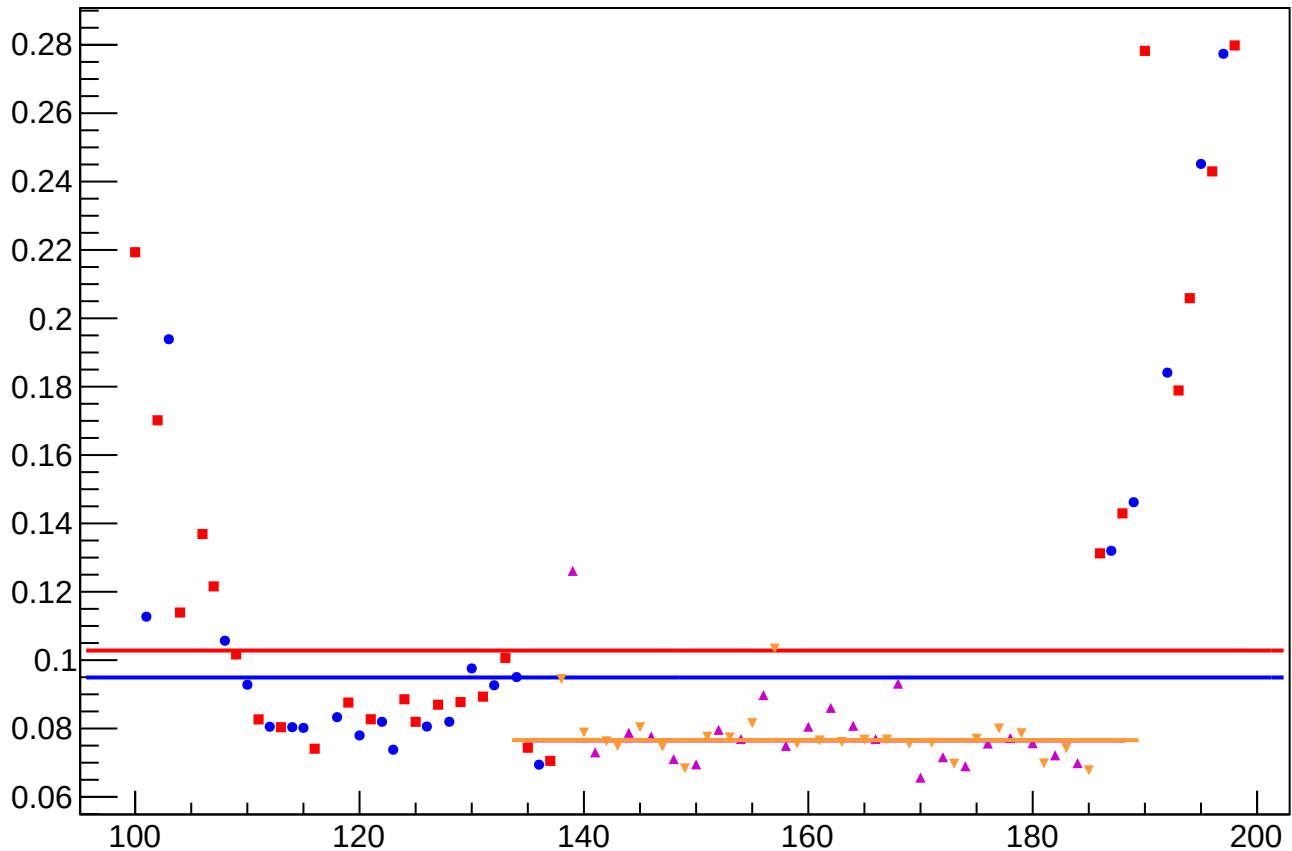
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 31.980+/-0.000 χ^2/NDF : 3270923555.8/46

All: 32.032+/-0.000 χ^2/NDF : 5487233573.9/9

- sign 32.086+/-0.000 χ^2/NDF : 2195737518.1/48

yield_usr_rms vs Slug



Right In: 0.095 $\pm$ 0.000 χ^2 /NDF: 2416773.9/21

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:209648.5/24

Right Out: 0.103 $\pm$ 0.000 χ^2 /NDF: 3022037.7/25

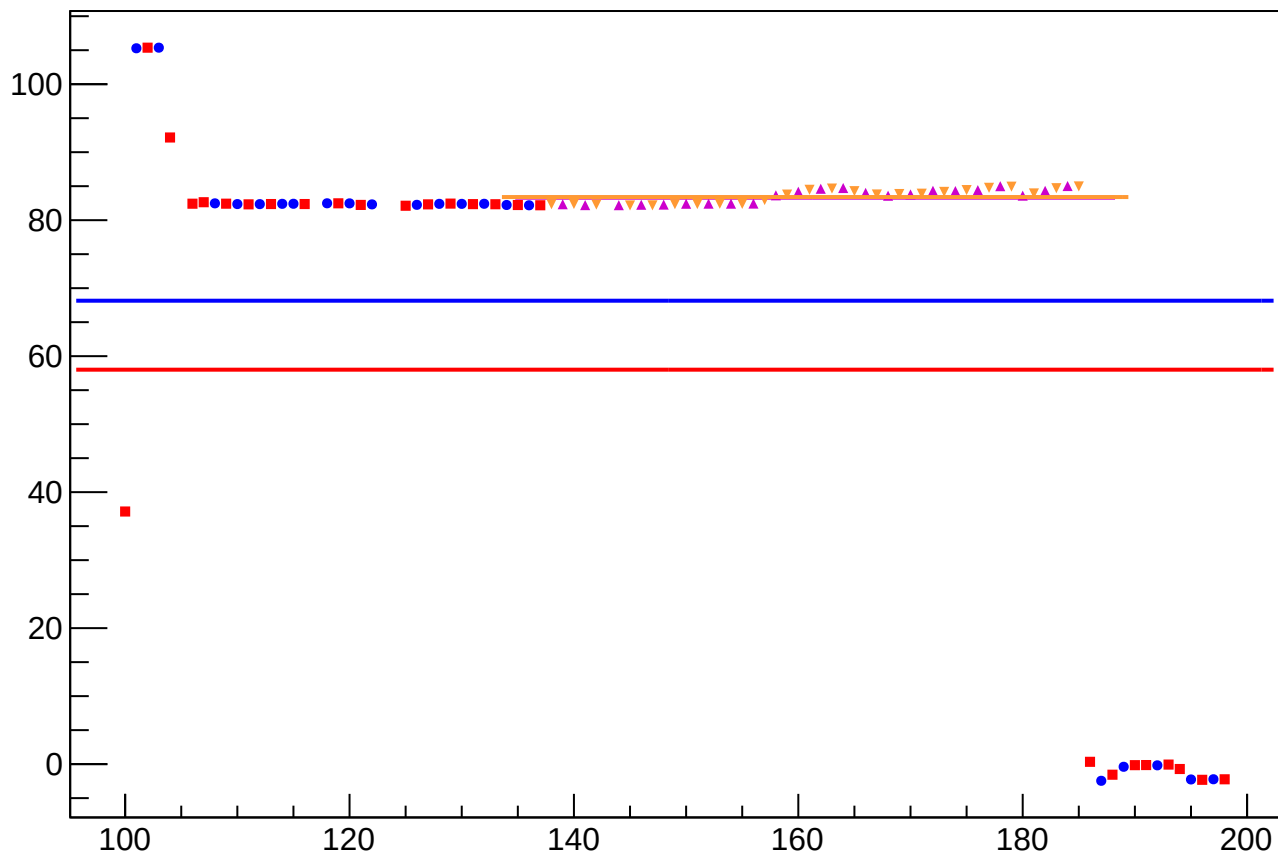
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.081 $\pm$ 0.000 χ^2 /NDF: 3071203.0/46

All: 0.082 $\pm$ 0.000 χ^2 /NDF: 7476484.7/95

- sign 0.083 $\pm$ 0.000 χ^2 /NDF: 4388237.1/48

yield_dsl_mean vs Slug



Right In: 68.156+/-0.000 χ^2/NDF : 6325914552134.7/20

Left Out: 83.402+/-0.000 χ^2/NDF : 8756634444.3/23

Right Out: 58.013+/-0.000 χ^2/NDF : 9167818205039.6/25

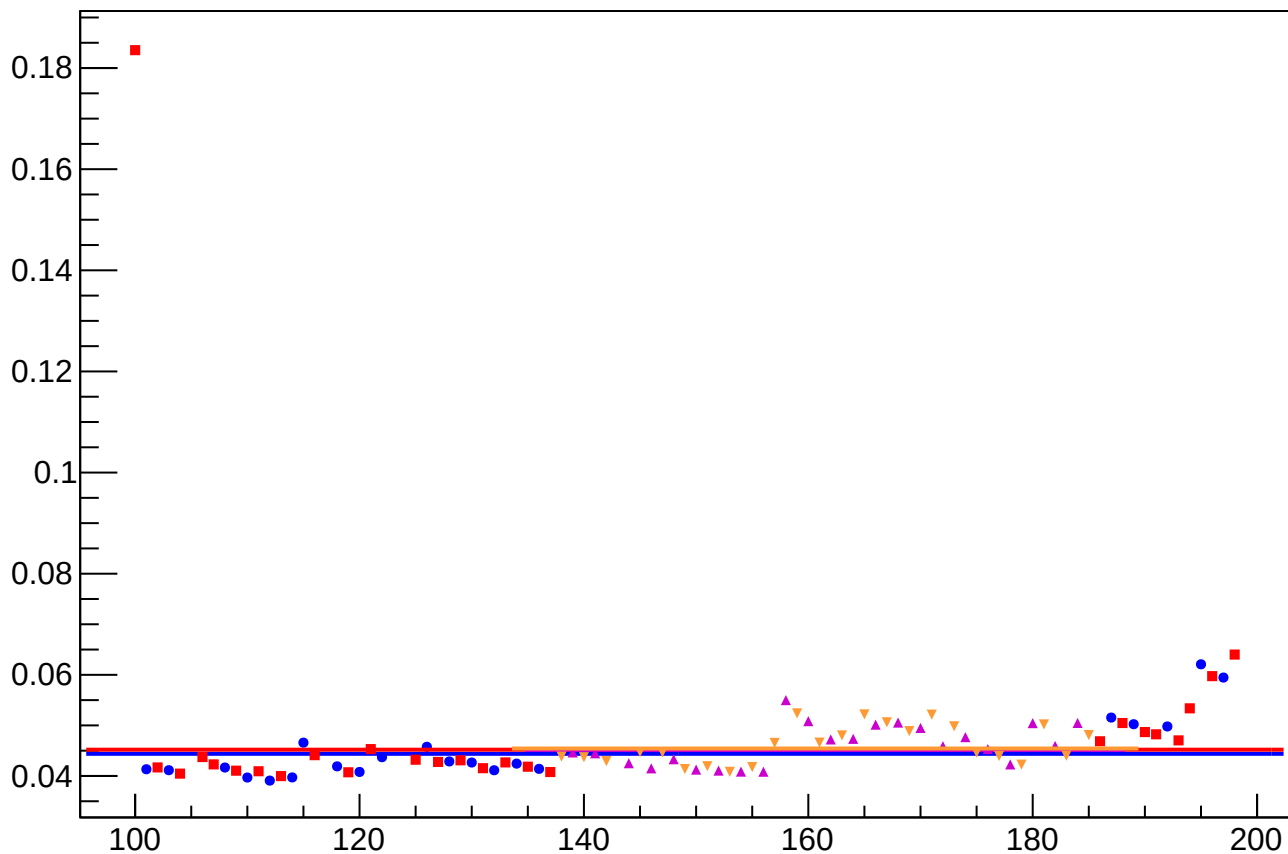
Left In: 83.309+/-0.000 χ^2/NDF : 8421247810.9/22

+ sign 77.846+/-0.000 χ^2/NDF : 7036580227710.3/4

All: 75.367+/-0.000 χ^2/NDF : 1852511727084

- sign 73.056+/-0.000 χ^2/NDF : 11333720934654.4/4

yield_dsl_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF : 333217.0/20

Left Out: 0.045+/-0.000 χ^2/NDF : 206685.9/23

Right Out: 0.045+/-0.000 χ^2/NDF : 466490.8/25

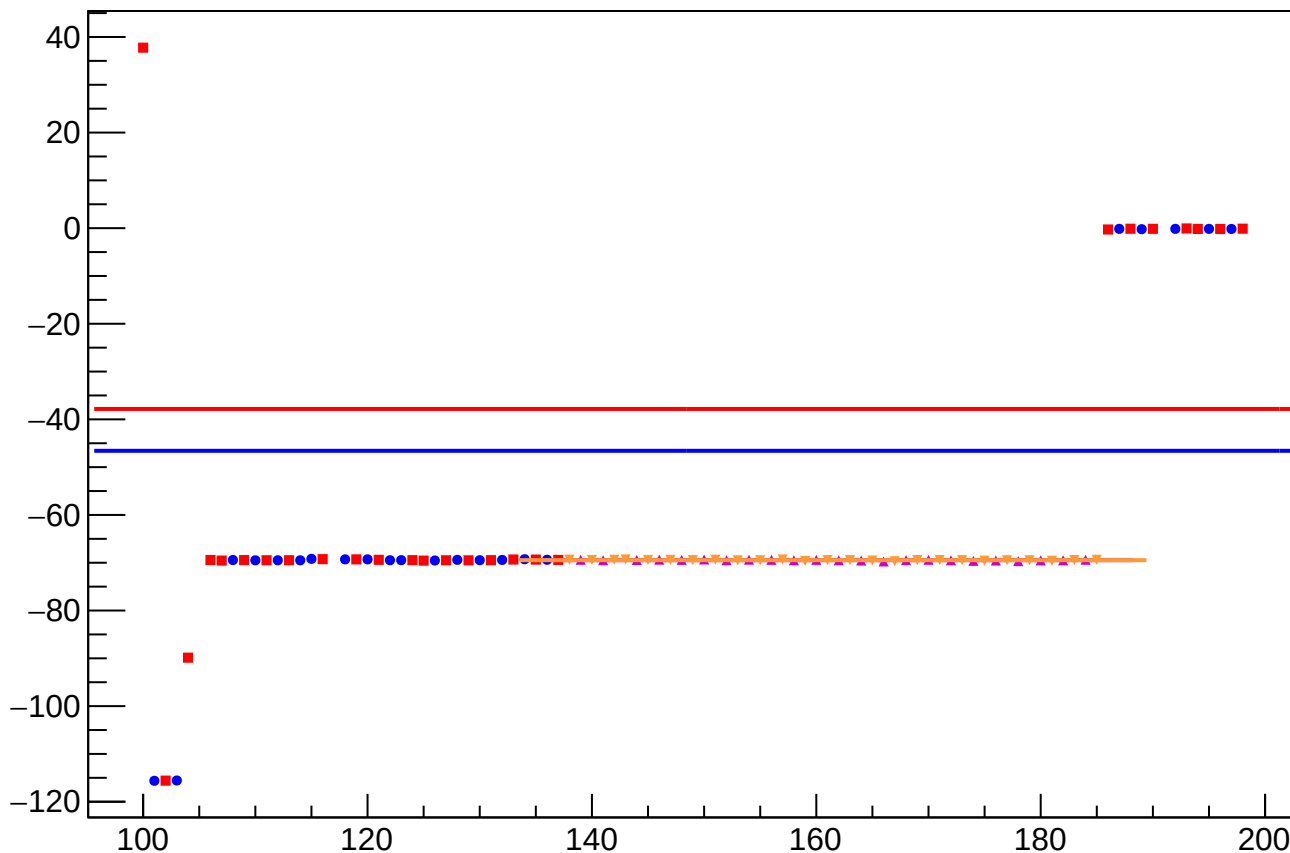
Left In: 0.045+/-0.000 χ^2/NDF : 242885.4/22

+ sign 0.045+/-0.000 χ^2/NDF : 546544.6/44

All: 0.045+/-0.000 χ^2/NDF : 1256123.7/93

- sign 0.045+/-0.000 χ^2/NDF : 709396.1/48

yield_dsr_mean vs Slug



Right In: -46.579 $\pm$ 0.000 χ^2 /NDF: 5046530675164.5/21

Left Out: -69.461 $\pm$ 0.000 χ^2 /NDF: 49572401.9/24

Right Out: -37.824 $\pm$ 0.000 χ^2 /NDF: 5948035510831.5/25

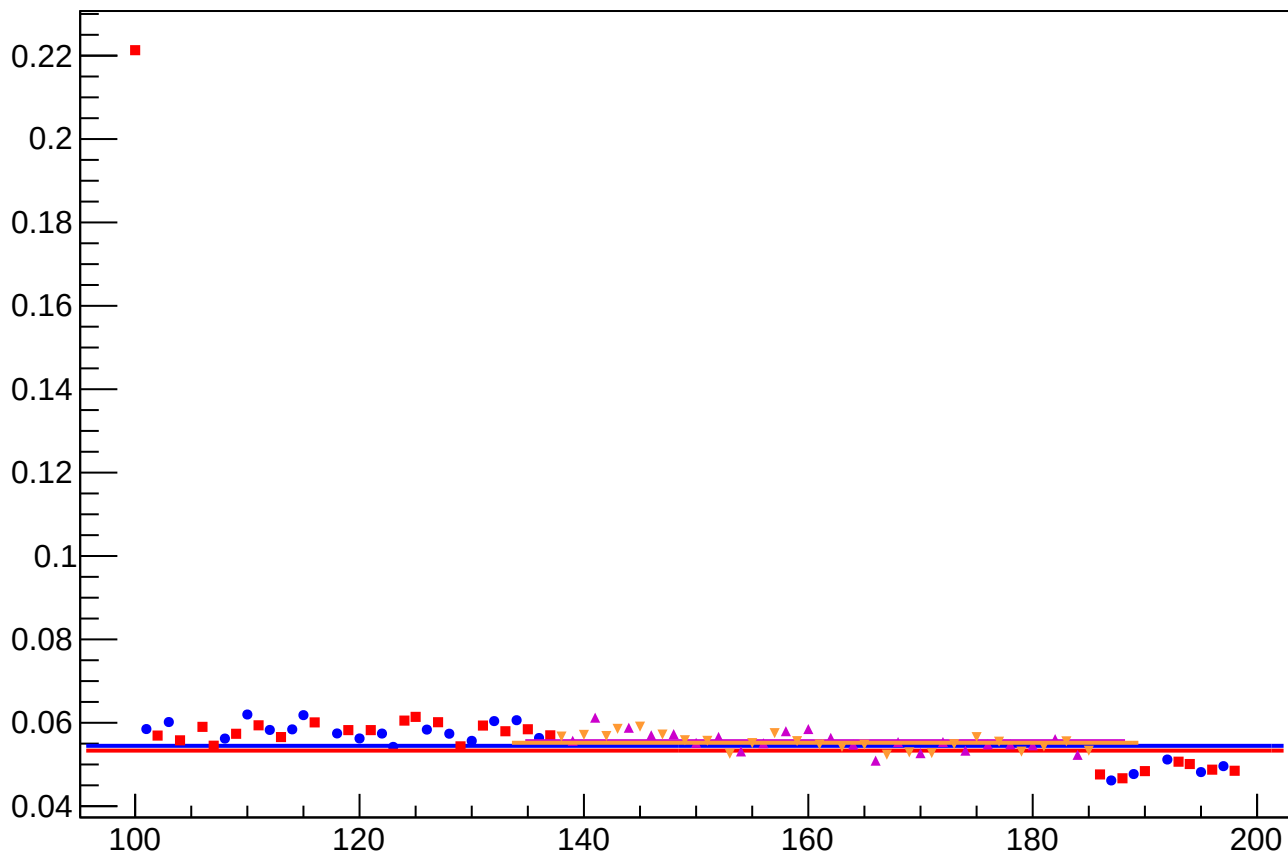
Left In: -69.458 $\pm$ 0.000 χ^2 /NDF: 52798704.3/22

+ sign -61.413 $\pm$ 0.000 χ^2 /NDF: 6120244266469.1/21

All: -58.642 $\pm$ 0.000 χ^2 /NDF: 145209963218.5/25

- sign -56.013 $\pm$ 0.000 χ^2 /NDF: 8266155629737.4/21

yield_dsr_rms vs Slug



Right In: 0.054 $\pm$ 0.000 χ^2 /NDF: 135703.5/21

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 265668.4/25

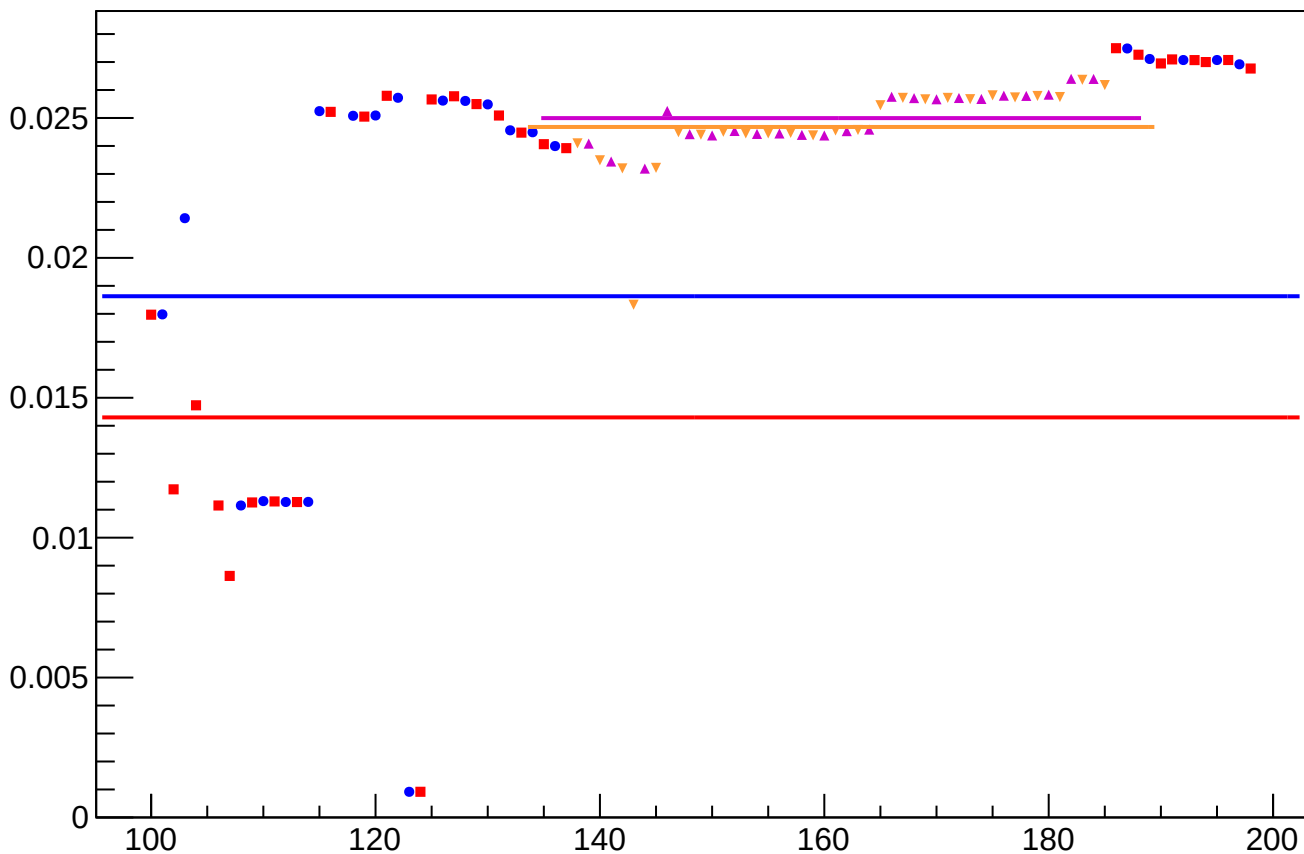
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.055 $\pm$ 0.000 χ^2 /NDF: 176673.2/46

All: 0.055 $\pm$ 0.000 χ^2 /NDF: 519219.7/95

- sign 0.055 $\pm$ 0.000 χ^2 /NDF: 341602.6/48

yield_atl1_mean vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 155378972704.0/21

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 346724237485.9/26

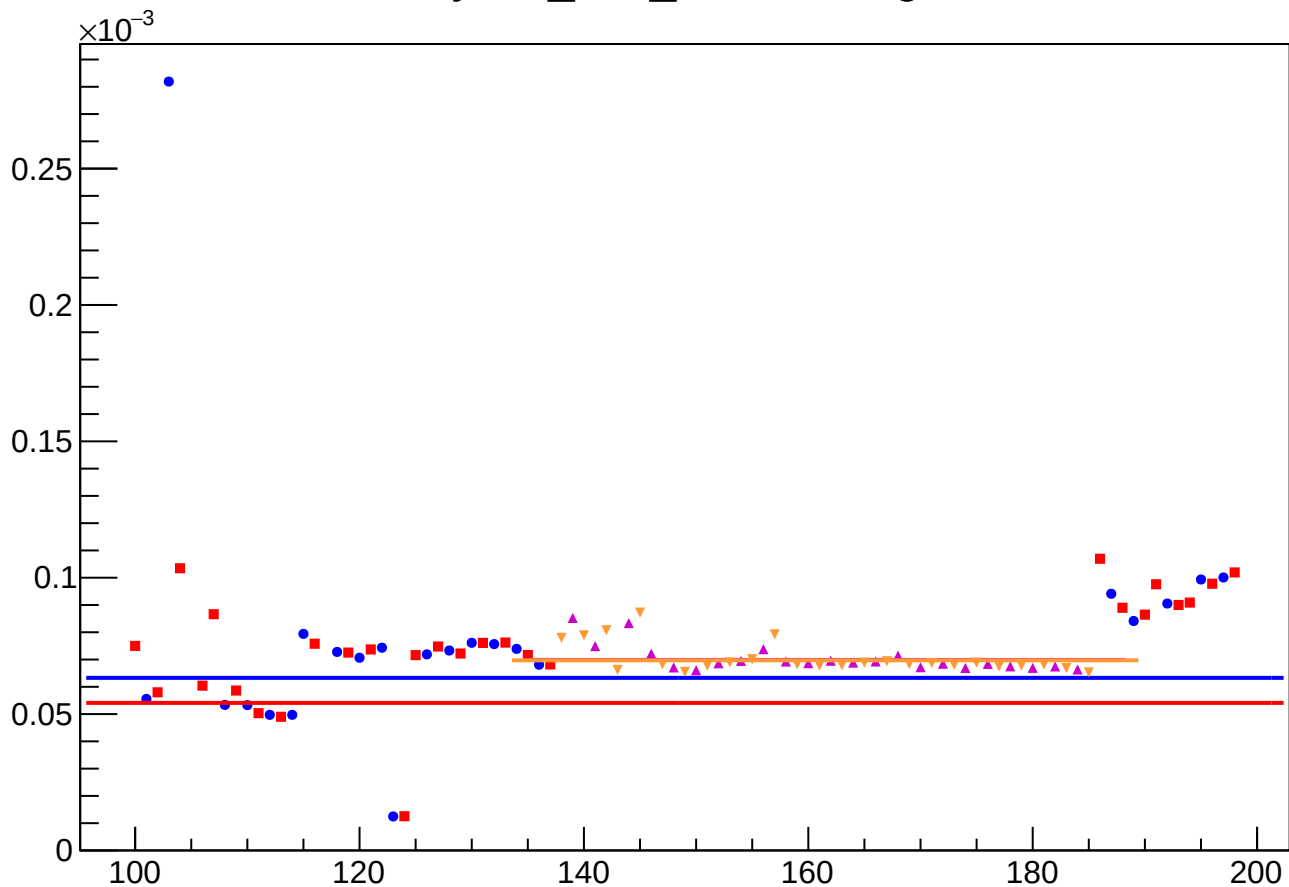
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 212904794879.4/46

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 764001452302.9

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 533045504215.3/49

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2788994.8/21

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:158125.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5810962.7/26

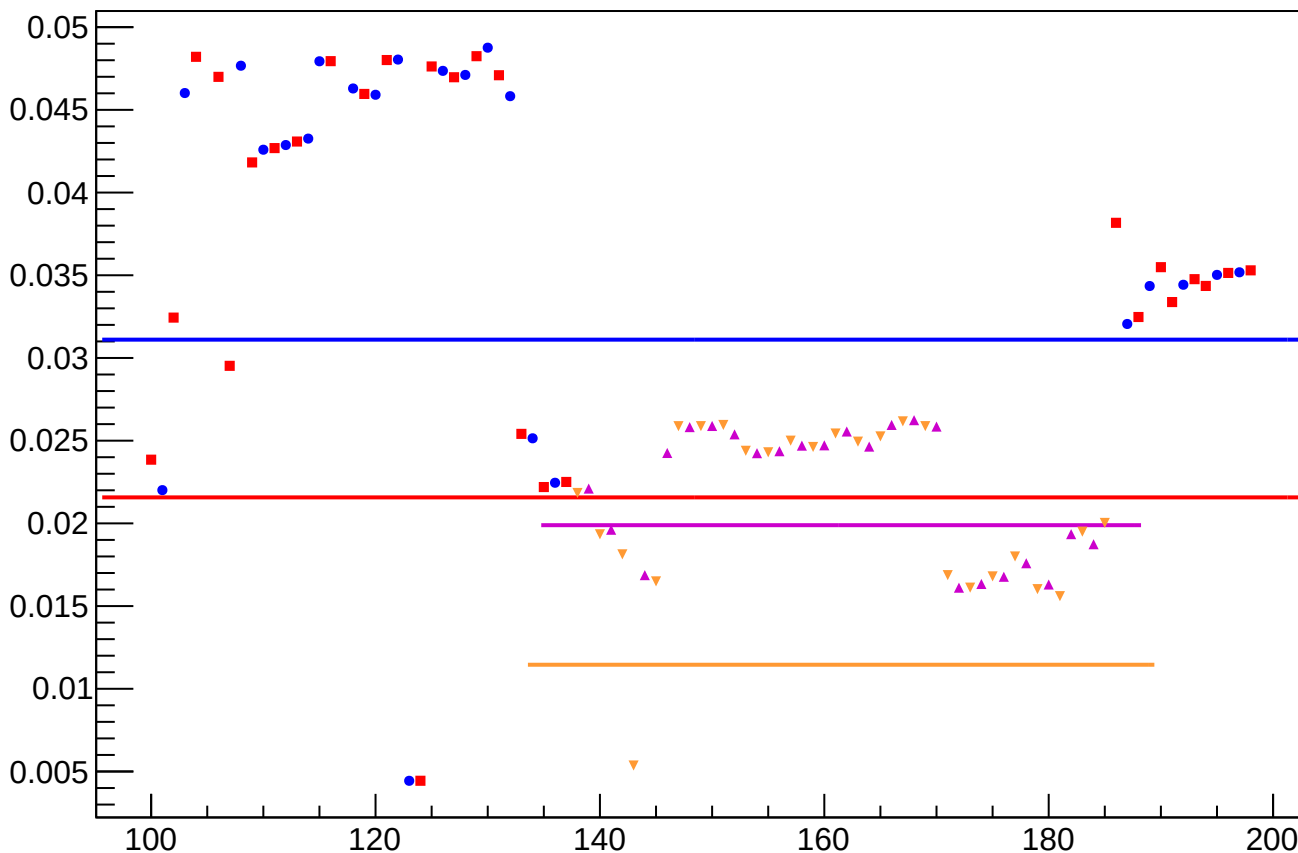
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:129289.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3055214.4/46

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 9931576.6/96

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6737209.9/49

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21189714048.5/21

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

Right Out: 0.022+/-0.000 χ^2/NDF : 42480381897.9/26

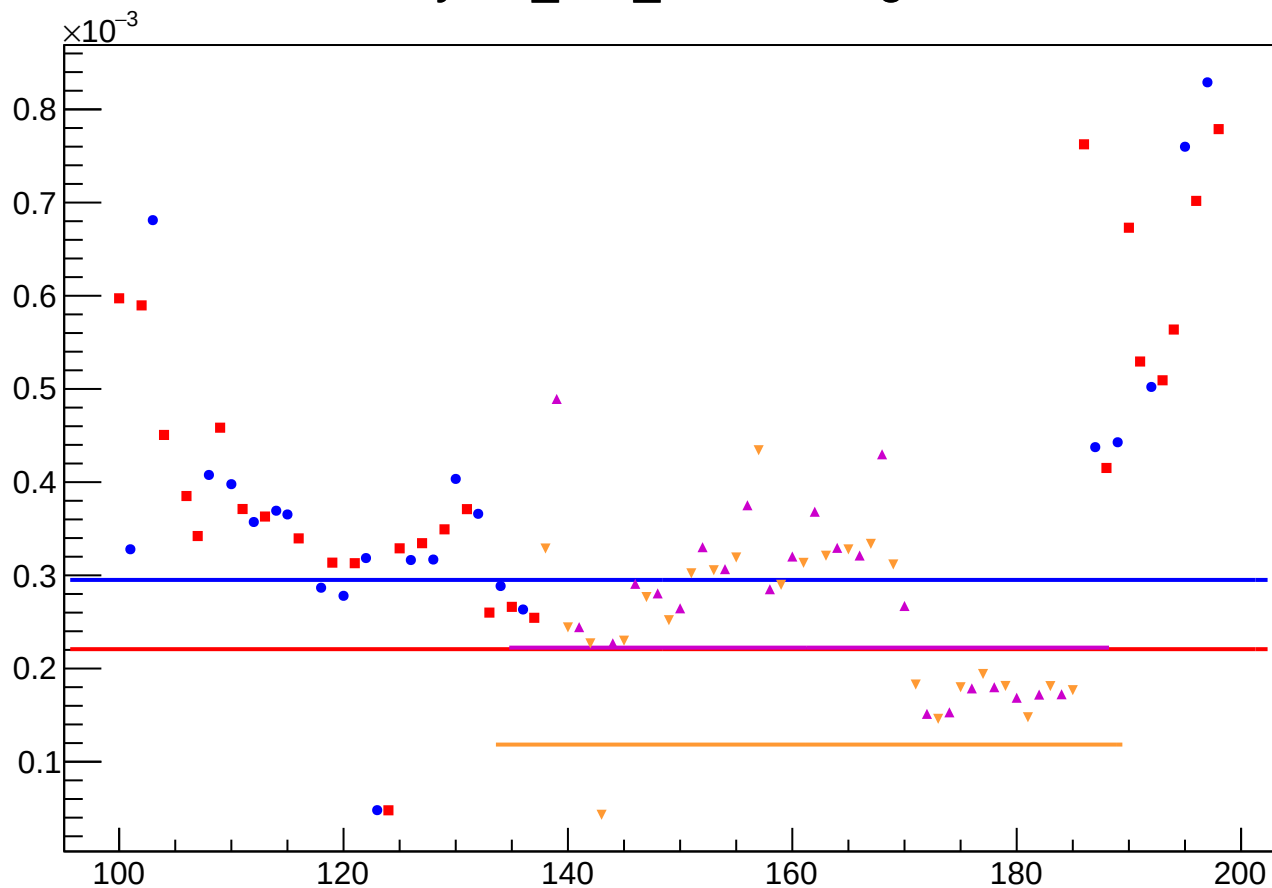
Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 89042829319.7/46

All: 0.016+/-0.000 χ^2/NDF : 149804055471.5

- sign 0.020+/-0.000 χ^2/NDF : 47196257786.0/49

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4100569.7/21

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9476586.0/26

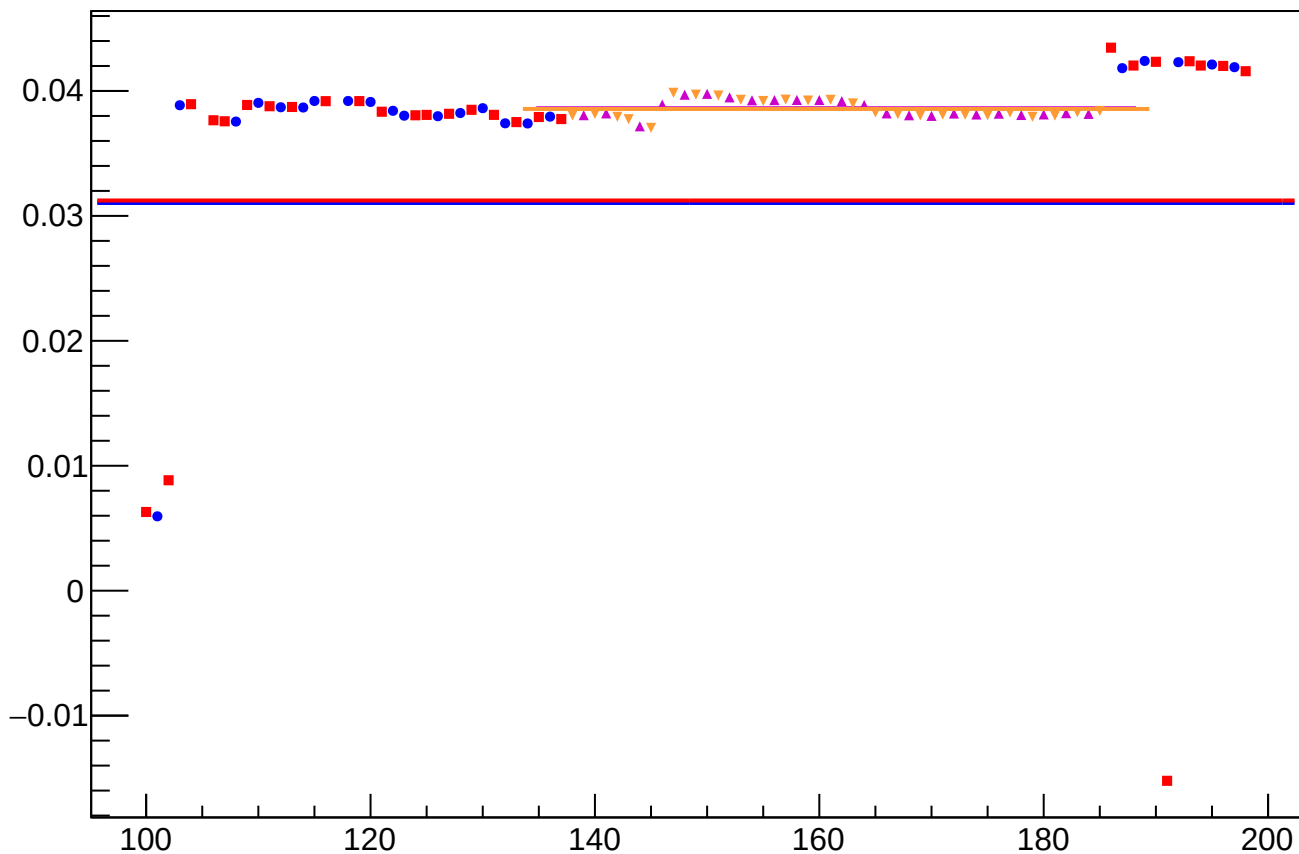
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 22117790.5/46

All: 0.000+/-0.000 χ^2/NDF : 38960255.4/96

- sign 0.000+/-0.000 χ^2/NDF : 12758202.5/49

yield_atr1_mean vs Slug



Right In: 0.031 $\pm$ 0.000 χ^2 /NDF: 104257788634.2/21

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 172733373267.4/26

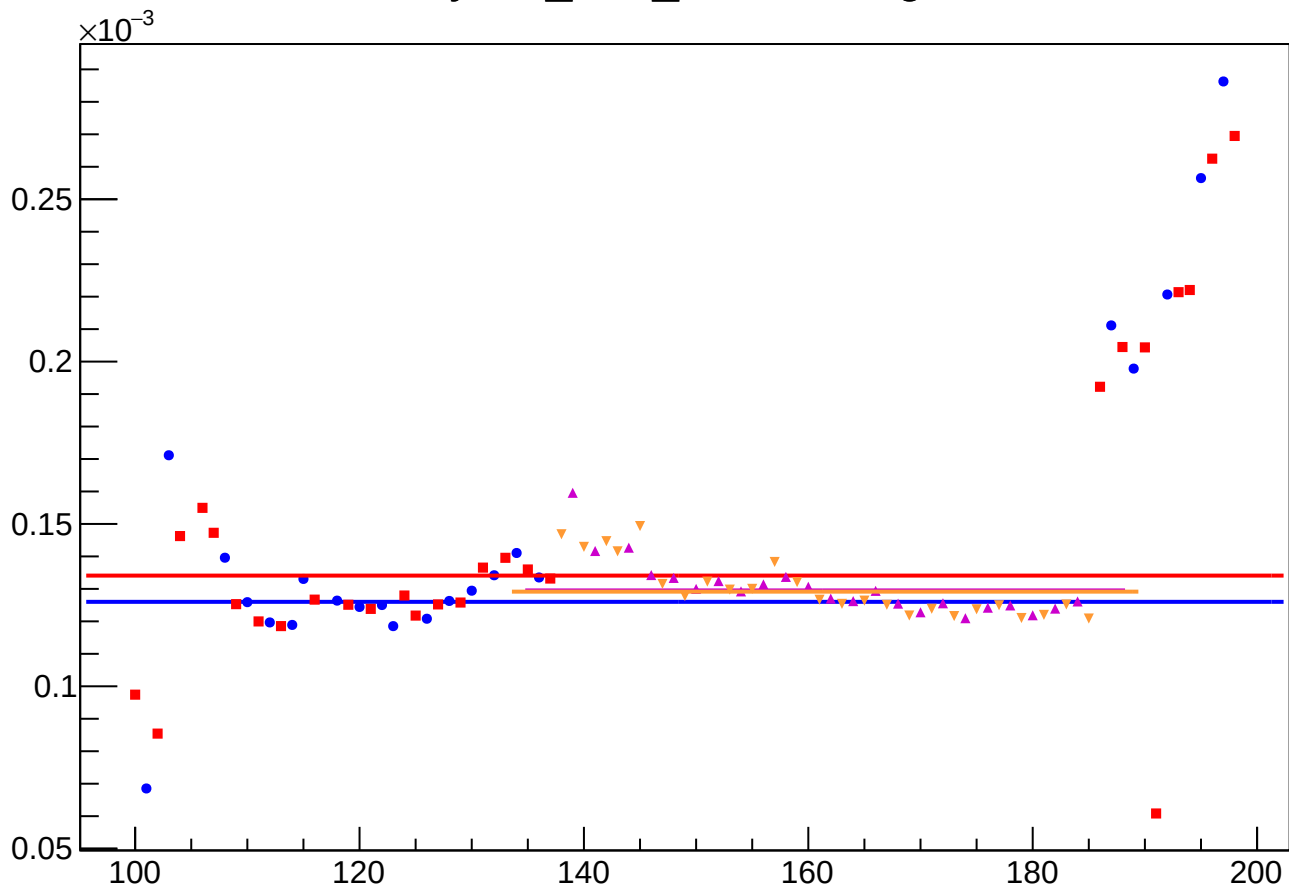
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 124788044475.6/46

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 318063457252.1

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 193257429087.2/49

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2263172.4/21

Left Out: 0.000+/-0.000 χ^2/NDF :130321.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2478950.9/26

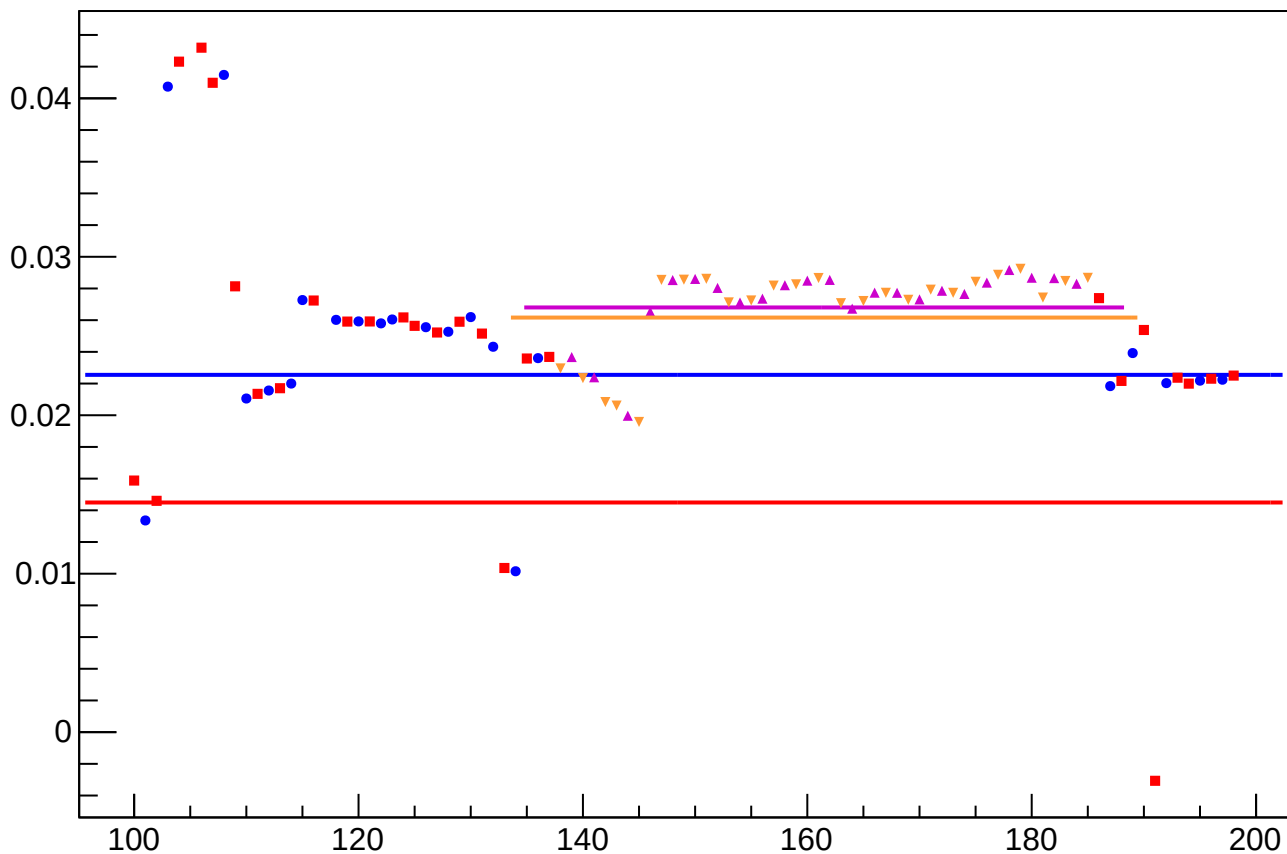
Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 2400451.2/46

All: 0.000+/-0.000 χ^2/NDF : 5024401.6/96

- sign 0.000+/-0.000 χ^2/NDF : 2609034.9/49

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4244138447.1/21

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.014+/-0.000 χ^2/NDF : 30723488033.3/26

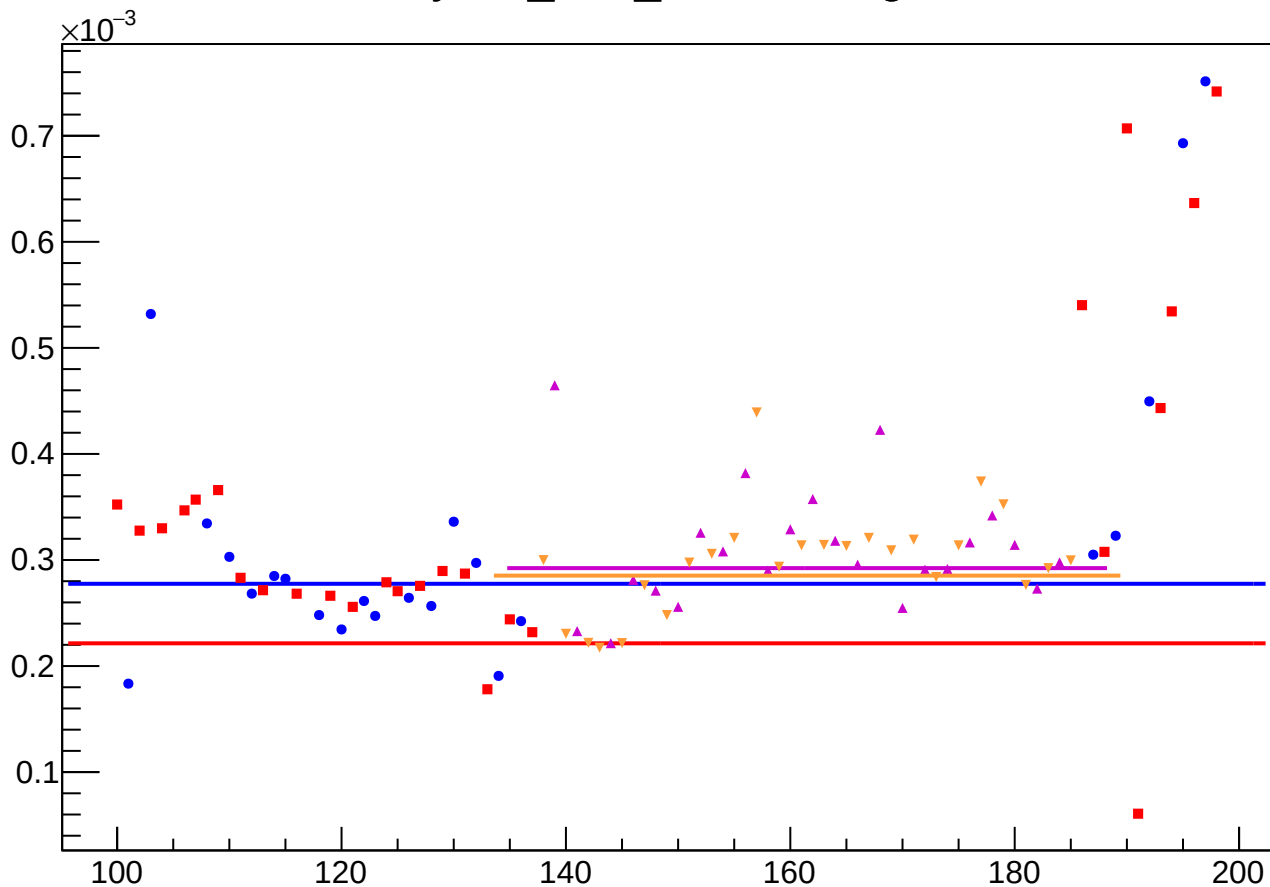
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7185409128.9/46

All: 0.023+/-0.000 χ^2/NDF : 54525739903.8/9

- sign 0.021+/-0.000 χ^2/NDF : 44977713846.6/49

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2113716.8/21

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6568224.6/26

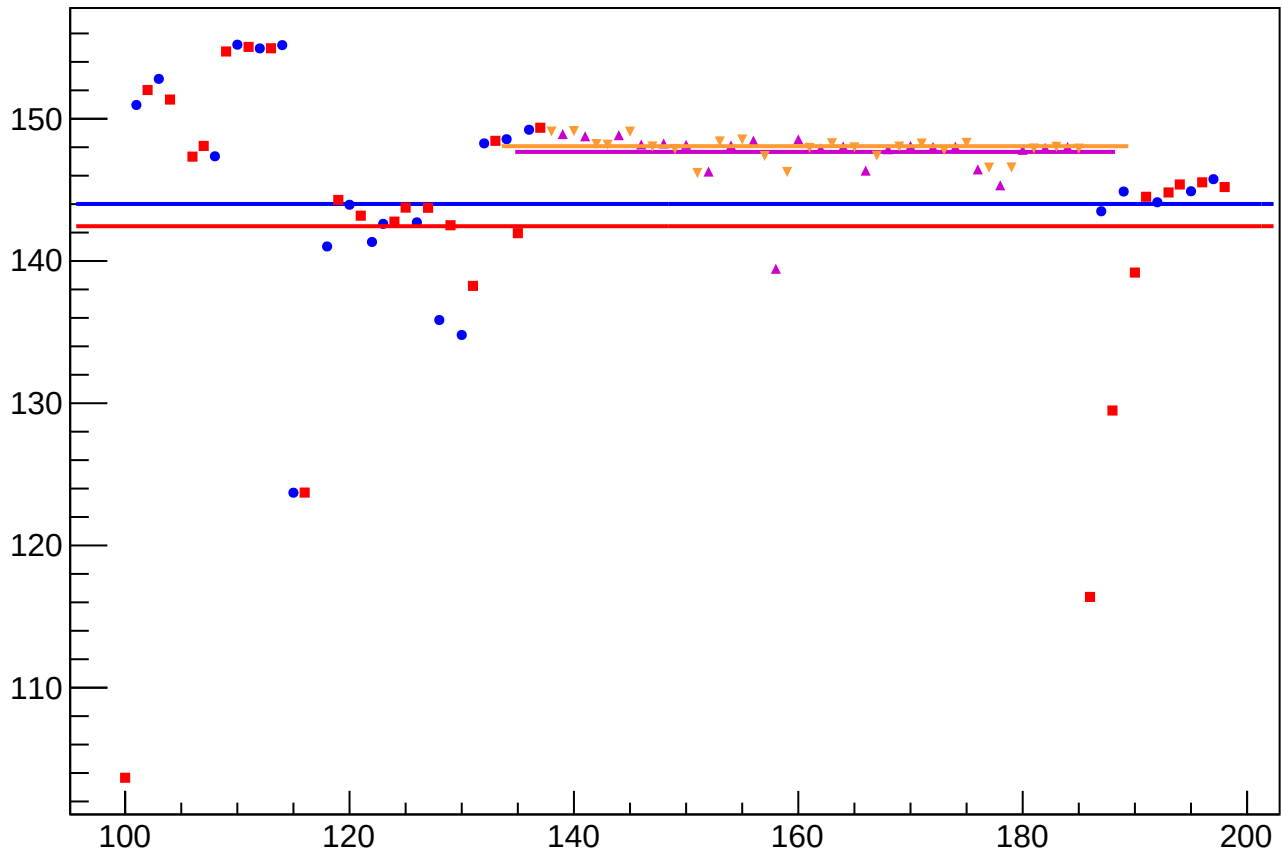
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2935226.0/46

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 11431526.8/96

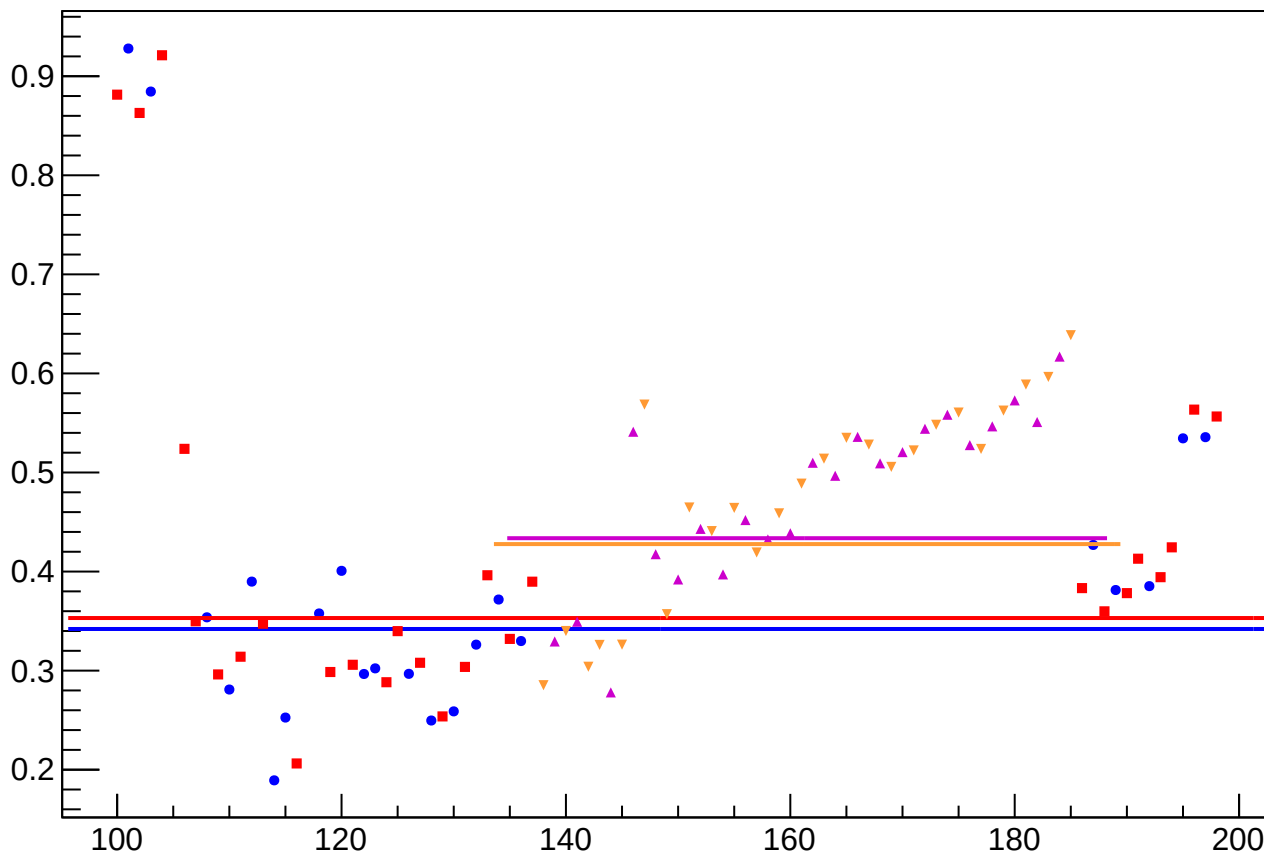
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8324785.2/49

yield_bcm_an_ds_mean vs Slug



Right In: 144.011+/-0.000	χ^2/NDF : 3463233358.7/21	+ sign 146.331+/-0.000	χ^2/NDF : 4185288125.1/46
Left Out: 148.073+/-0.000	χ^2/NDF : 65614067.4/24	All: 145.705+/-0.000	χ^2/NDF : 13165225823.
Right Out: 142.446+/-0.000	χ^2/NDF : 7351639814.5/26	- sign 145.106+/-0.000	χ^2/NDF : 8855264042.3/49
Left In: 147.670+/-0.000	χ^2/NDF : 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.342 ± 0.000 χ^2/NDF : 1744273.7/21

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.353 ± 0.000 χ^2/NDF : 1827348.8/26

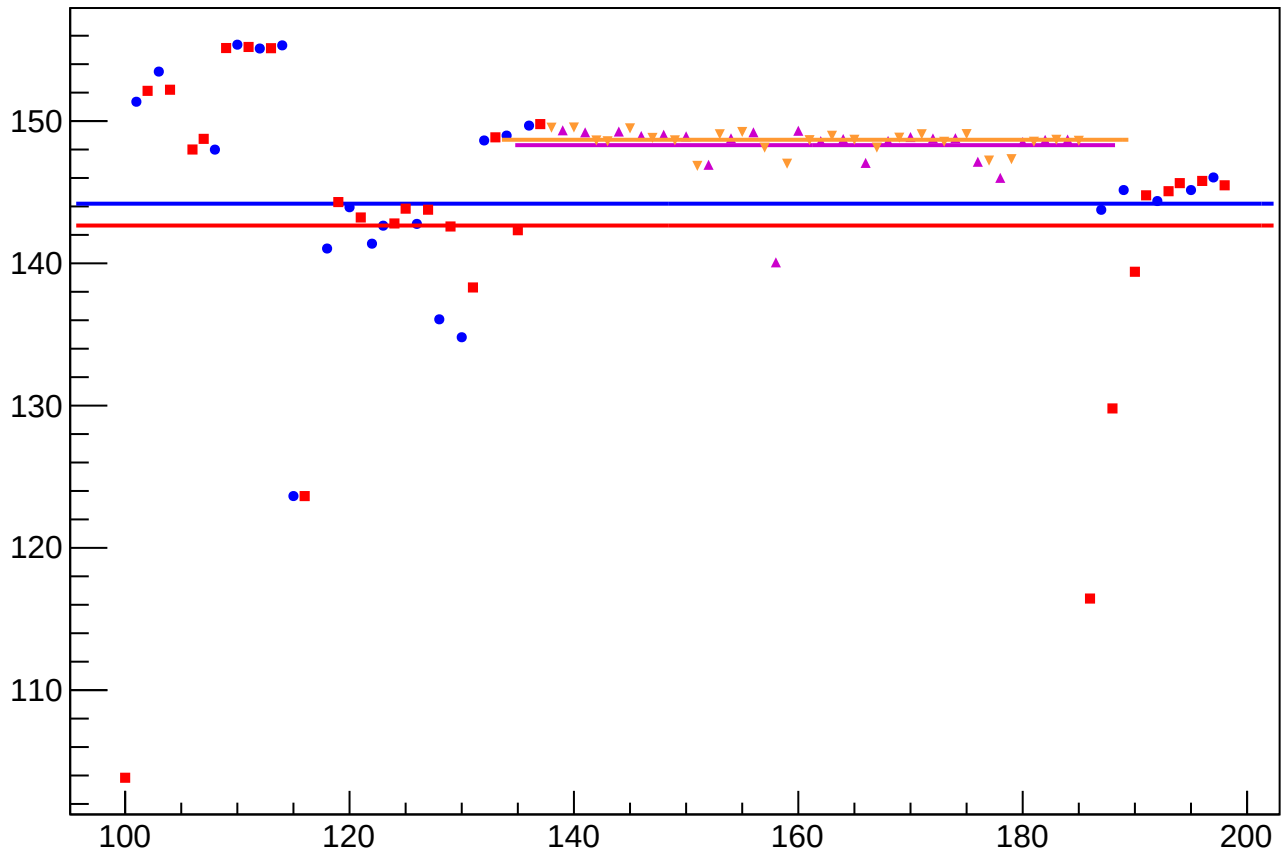
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.391 ± 0.000 χ^2/NDF : 4225402.2/46

All: 0.393 ± 0.000 χ^2/NDF : 8101794.9/96

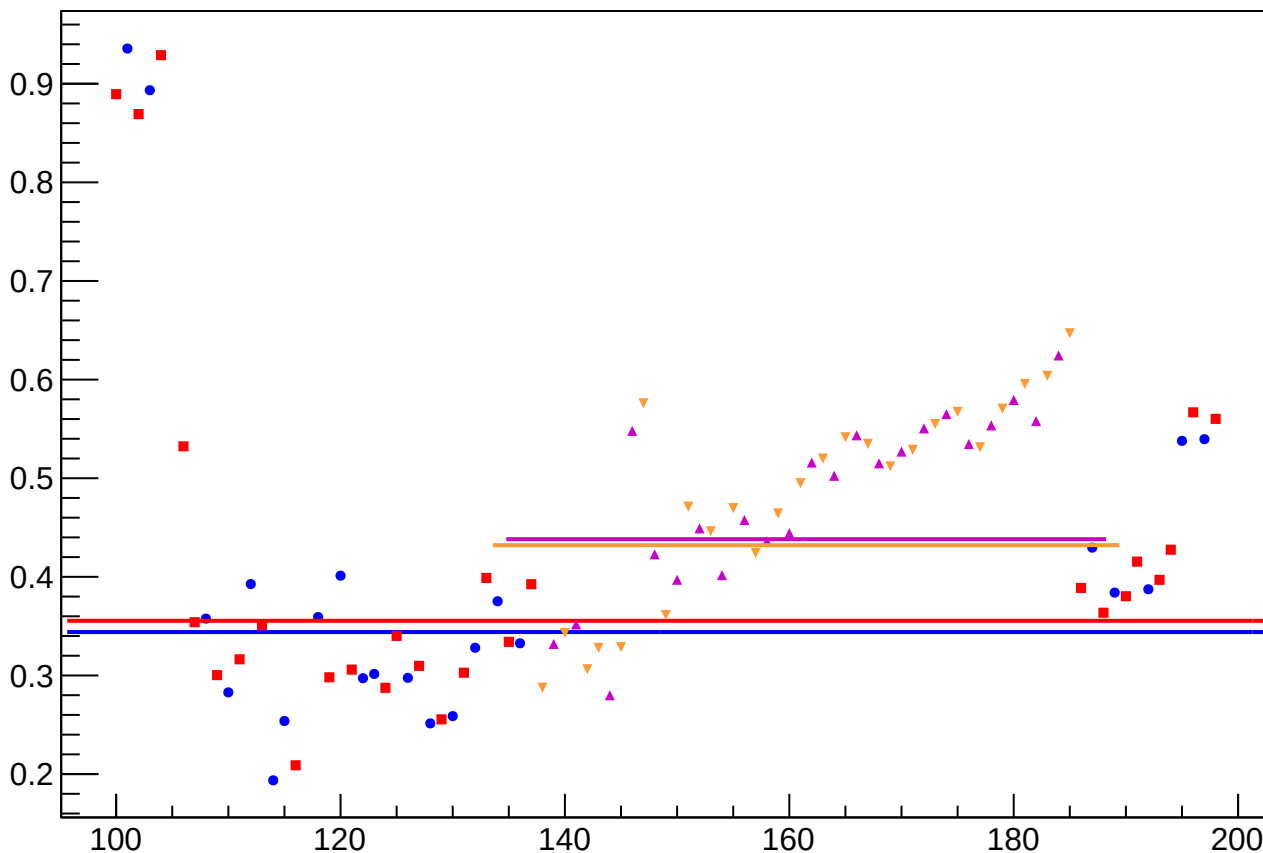
- sign 0.394 ± 0.000 χ^2/NDF : 3874767.4/49

yield_bcm_an_ds3_mean vs Slug



Right In: 144.193 $\pm$ 0.000	χ^2 /NDF: 3509449826.8/21	+ sign 146.749 $\pm$ 0.000	χ^2 /NDF: 4352013928.5/46
Left Out: 148.686 $\pm$ 0.000	χ^2 /NDF: 52218185.1/24	All: 146.123 $\pm$ 0.000	χ^2 /NDF: 13437142419.
Right Out: 142.658 $\pm$ 0.000	χ^2 /NDF: 7297733981.3/26	- sign 145.523 $\pm$ 0.000	χ^2 /NDF: 8962373978.4/49
Left In: 148.307 $\pm$ 0.000	χ^2 /NDF: 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.344 ± 0.000 χ^2/NDF : 1747544.6/21

Left Out: 0.432 ± 0.000 χ^2/NDF : 1929031.5/24

Right Out: 0.355 ± 0.000 χ^2/NDF : 1831961.1/26

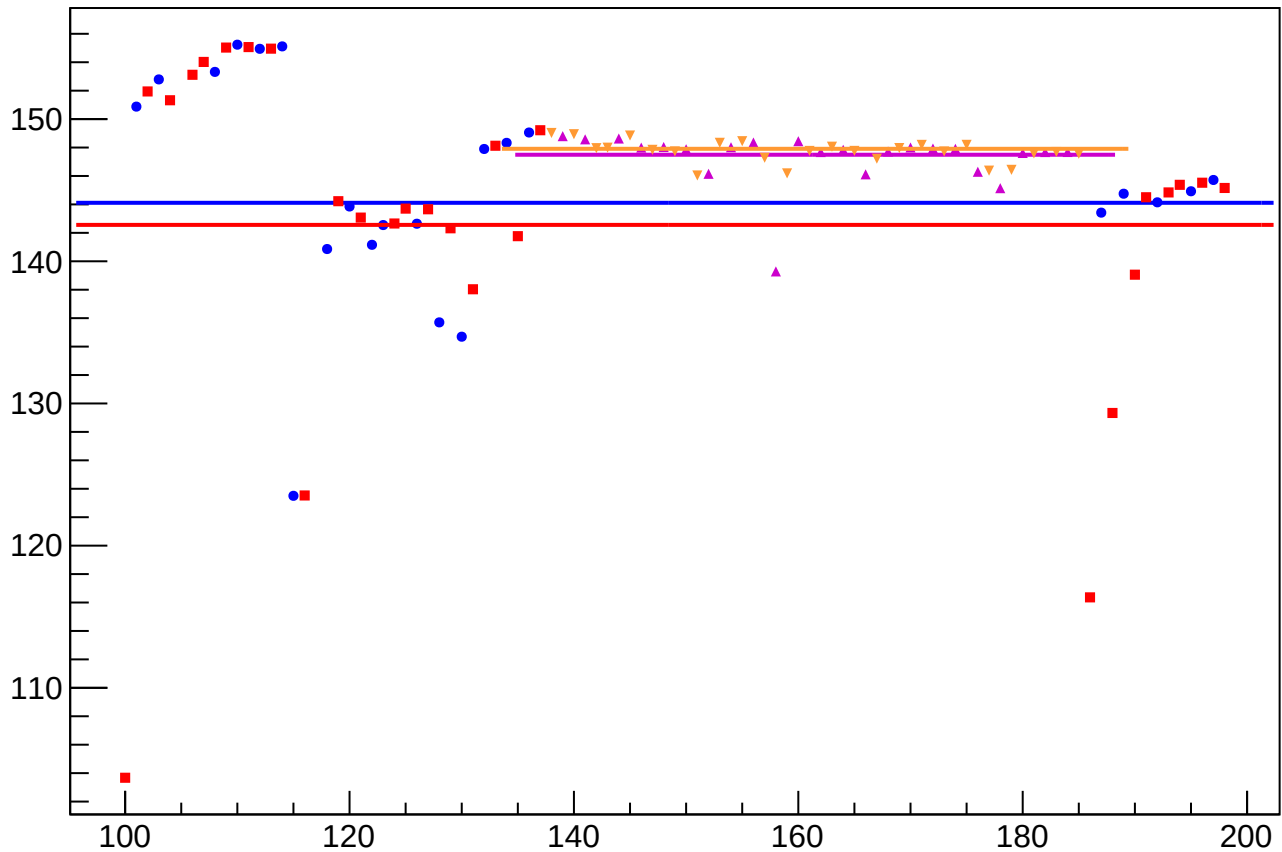
Left In: 0.438 ± 0.000 χ^2/NDF : 1521893.6/22

+ sign 0.394 ± 0.000 χ^2/NDF : 4284433.8/46

All: 0.396 ± 0.000 χ^2/NDF : 8211349.1/96

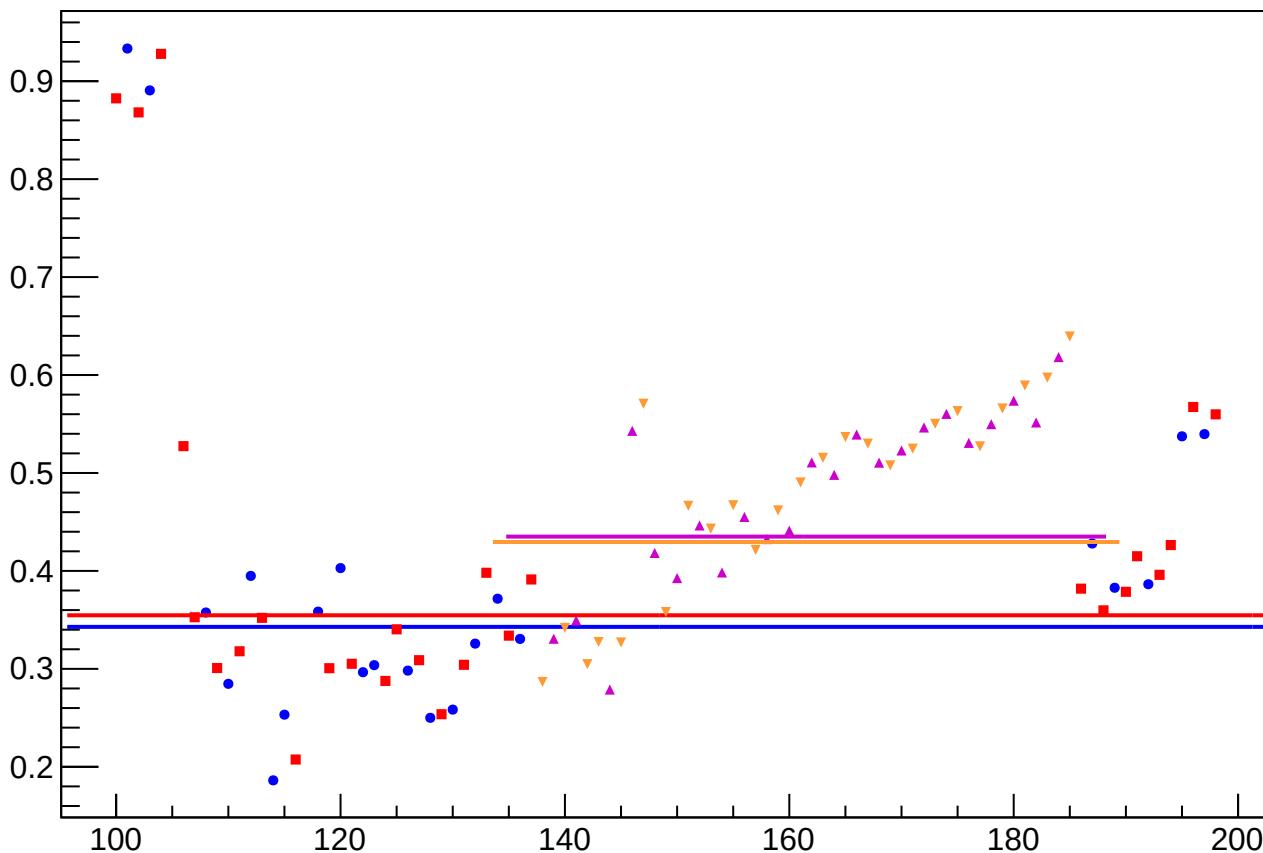
- sign 0.397 ± 0.000 χ^2/NDF : 3925170.7/49

yield_bcm_an_us_mean vs Slug



Right In: 144.113+/-0.000	χ^2/NDF : 3674002637.4/21	+ sign 146.281+/-0.000	χ^2/NDF : 4307959341.8/46
Left Out: 147.911+/-0.000	χ^2/NDF : 64412407.9/24	All: 145.665+/-0.000	χ^2/NDF : 13532453445.
Right Out: 142.560+/-0.000	χ^2/NDF : 7735827387.6/26	- sign 145.075+/-0.000	χ^2/NDF : 9104615348.6/49
Left In: 147.493+/-0.000	χ^2/NDF : 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.343 ± 0.000 $\chi^2/\text{NDF}: 1764950.8/21$

Left Out: 0.430 ± 0.000 $\chi^2/\text{NDF}: 1895701.4/24$

Right Out: 0.355 ± 0.000 $\chi^2/\text{NDF}: 1831074.2/26$

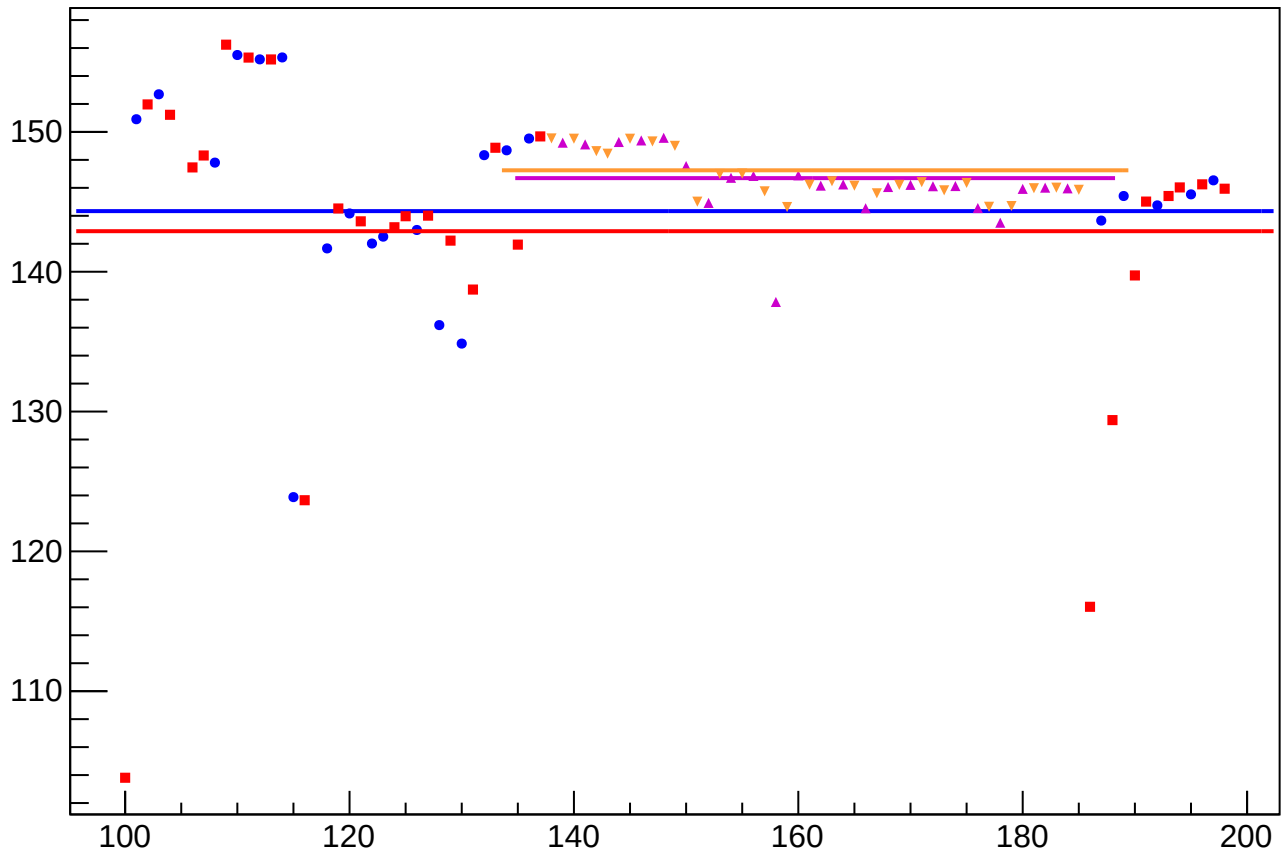
Left In: 0.435 ± 0.000 $\chi^2/\text{NDF}: 1502712.5/22$

+ sign 0.392 ± 0.000 $\chi^2/\text{NDF}: 4253437.1/46$

All: 0.394 ± 0.000 $\chi^2/\text{NDF}: 8132580.1/96$

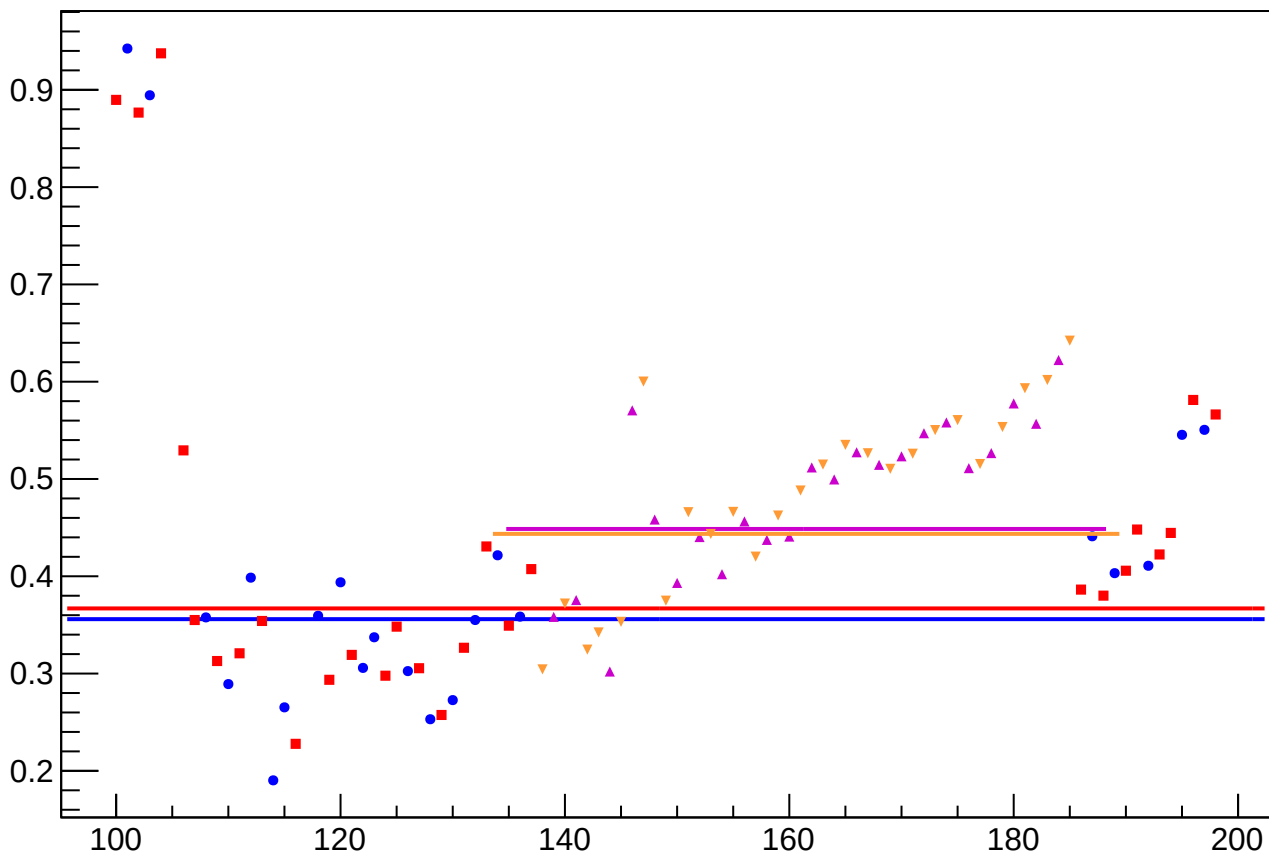
- sign 0.396 ± 0.000 $\chi^2/\text{NDF}: 3877312.6/49$

yield_bcm_dg_us_mean vs Slug



Right In: 144.336 $\pm$ 0.000 χ^2/NDF : 3183595940.3/21
 Left Out: 147.255 $\pm$ 0.000 χ^2/NDF :262138049.8/24
 Right Out: 142.900 $\pm$ 0.000 χ^2/NDF : 7057381304.4/26
 Left In: 146.695 $\pm$ 0.000 χ^2/NDF :557896803.1/22
 All: 145.422 $\pm$ 0.000 χ^2/NDF : 12050921965.0
 + sign 146.018 $\pm$ 0.000 χ^2/NDF : 3760224211.9/46
 - sign 144.853 $\pm$ 0.000 χ^2/NDF : 8185797488.0/49

yield_bcm_dg_us_rms vs Slug



Right In: 0.356+/-0.000 χ^2/NDF : 1735861.7/21

Left Out: 0.444+/-0.000 χ^2/NDF :1483434.7/24

Right Out: 0.367+/-0.000 χ^2/NDF : 1800952.5/26

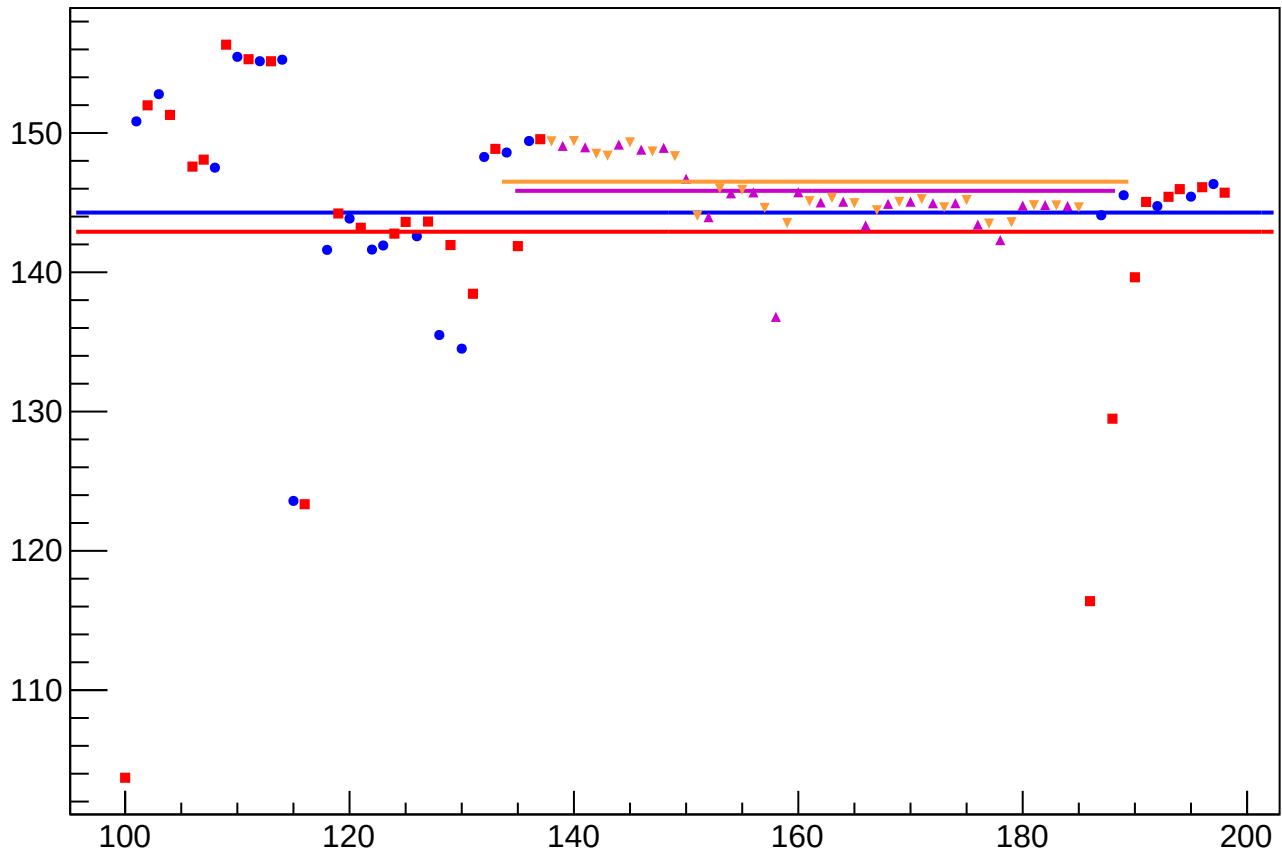
Left In: 0.449+/-0.000 χ^2/NDF :1132620.8/22

+ sign 0.406+/-0.000 χ^2/NDF : 3786586.8/46

All: 0.408+/-0.000 χ^2/NDF : 7249729.1/96

- sign 0.409+/-0.000 χ^2/NDF : 3462127.7/49

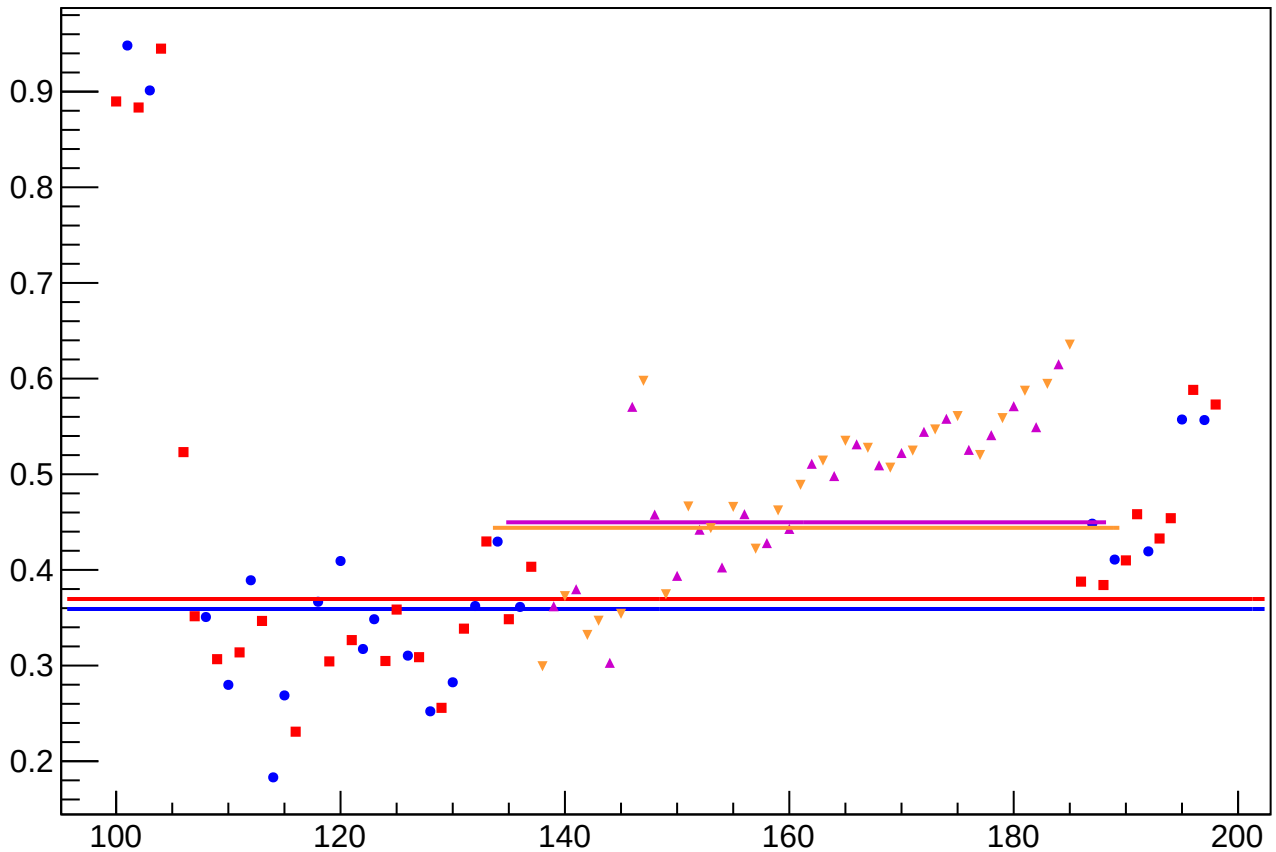
yield_bcm_dg_ds_mean vs Slug



Right In: 144.287 ± 0.000 χ^2/NDF : 3301996764.1/21
 Left Out: 146.505 ± 0.000 χ^2/NDF : 401688176.3/24
 Right Out: 142.910 ± 0.000 χ^2/NDF : 7025066295.2/26
 Left In: 145.847 ± 0.000 χ^2/NDF : 694764545.6/22

+ sign 145.576 ± 0.000 χ^2/NDF : 3882764952.9/46
 All: 144.990 ± 0.000 χ^2/NDF : 12040427449.
 - sign 144.431 ± 0.000 χ^2/NDF : 8057320003.0/49

yield_bcm_dg_ds_rms vs Slug



Right In: 0.359 ± 0.000 χ^2/NDF : 1772368.0/21

Left Out: 0.444 ± 0.000 χ^2/NDF : 1463293.5/24

Right Out: 0.370 ± 0.000 χ^2/NDF : 1816806.9/26

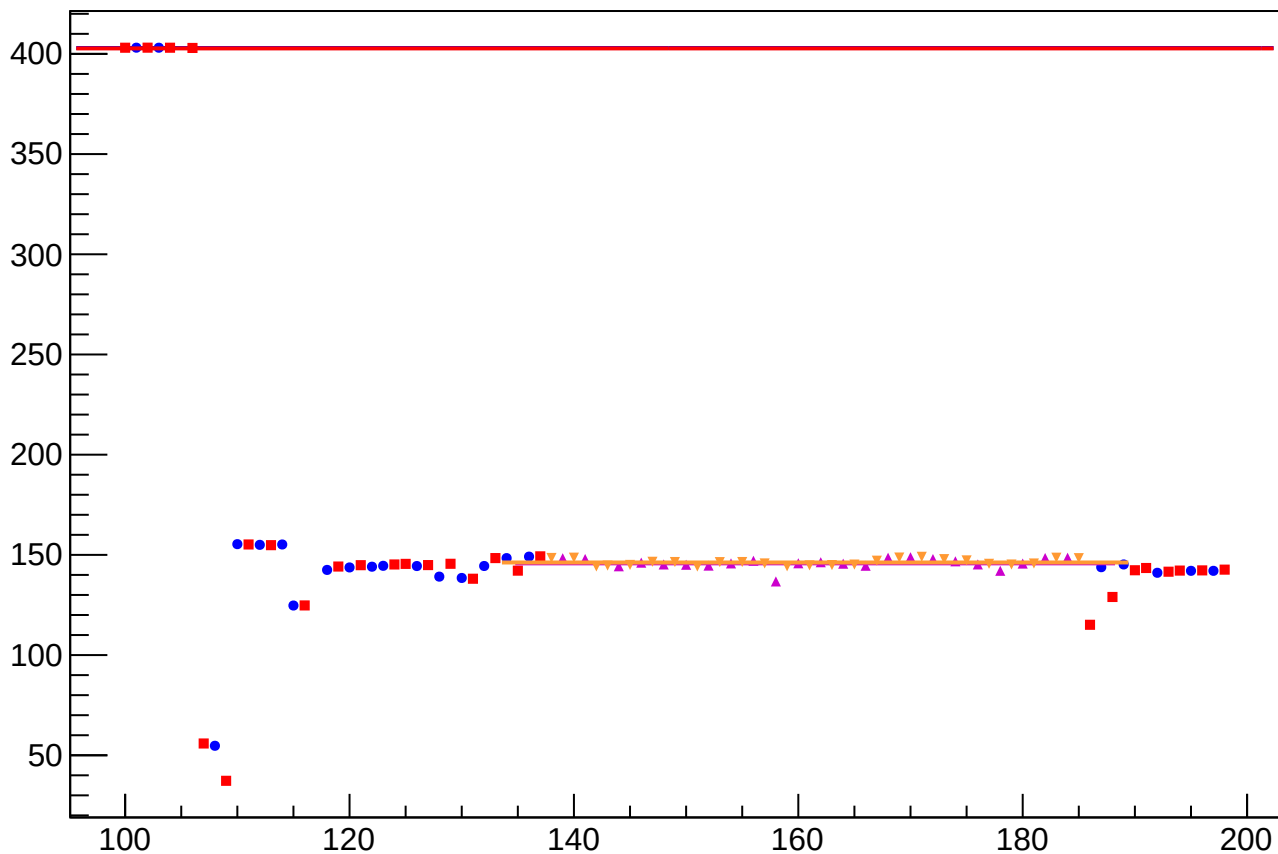
Left In: 0.450 ± 0.000 χ^2/NDF : 1105405.0/22

+ sign 0.408 ± 0.000 χ^2/NDF : 3759845.7/46

All: 0.410 ± 0.000 χ^2/NDF : 7186423.7/96

- sign 0.411 ± 0.000 χ^2/NDF : 3425510.6/49

yield_cav4bQ_mean vs Slug



Right In: 402.927 $\pm$ 0.000 χ^2 /NDF: 1345640349346.5/21

Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24

Right Out: 402.741 $\pm$ 0.000 χ^2 /NDF: 3646688415465.9/26

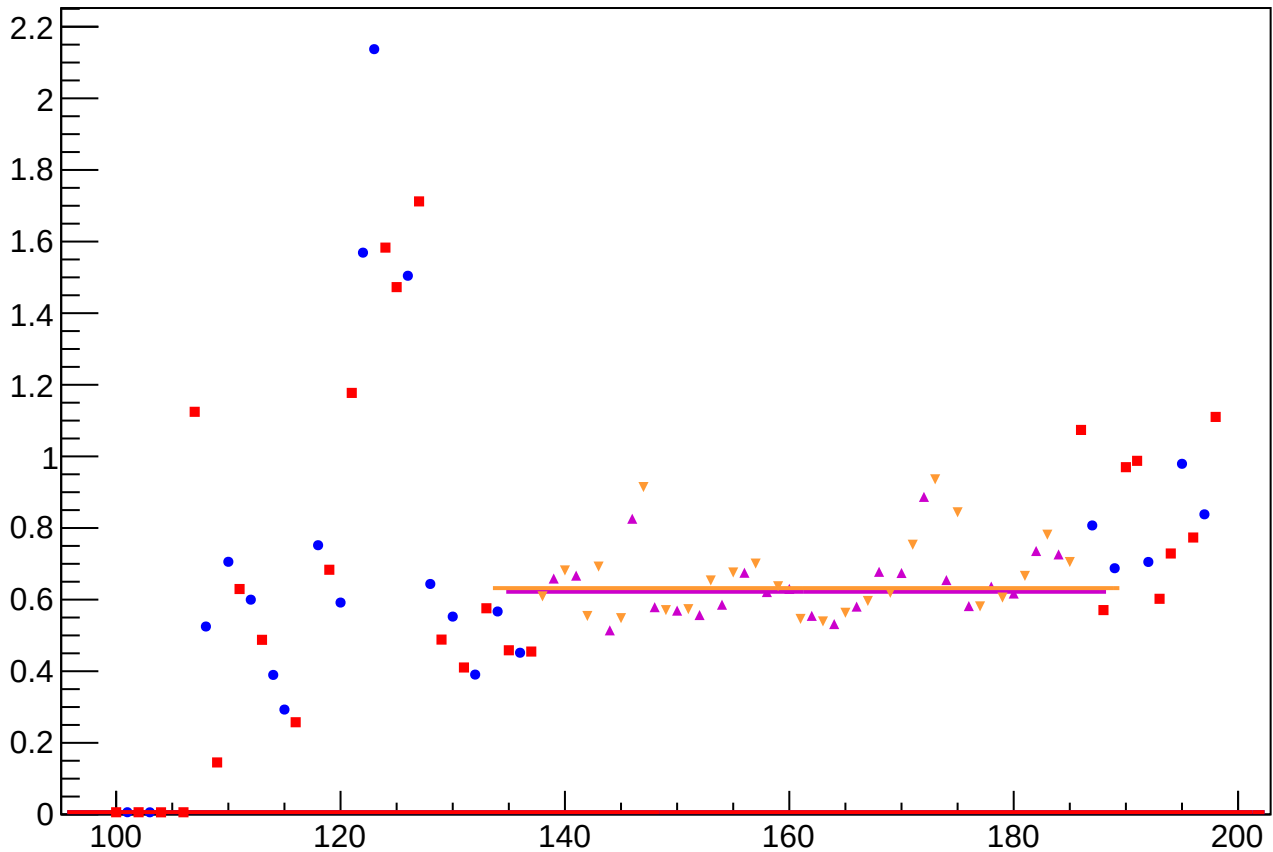
Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

+ sign 402.630 $\pm$ 0.000 χ^2 /NDF: 3717064194704.3

All: 402.551 $\pm$ 0.000 χ^2 /NDF: 971050049596

- sign 402.482 $\pm$ 0.000 χ^2 /NDF: 5993072009961.2

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 13637601.6/21

Left Out: 0.632+/-0.000 χ^2/NDF : 614155.9/24

+ sign 0.007+/-0.000 χ^2/NDF : 42422977.4/46

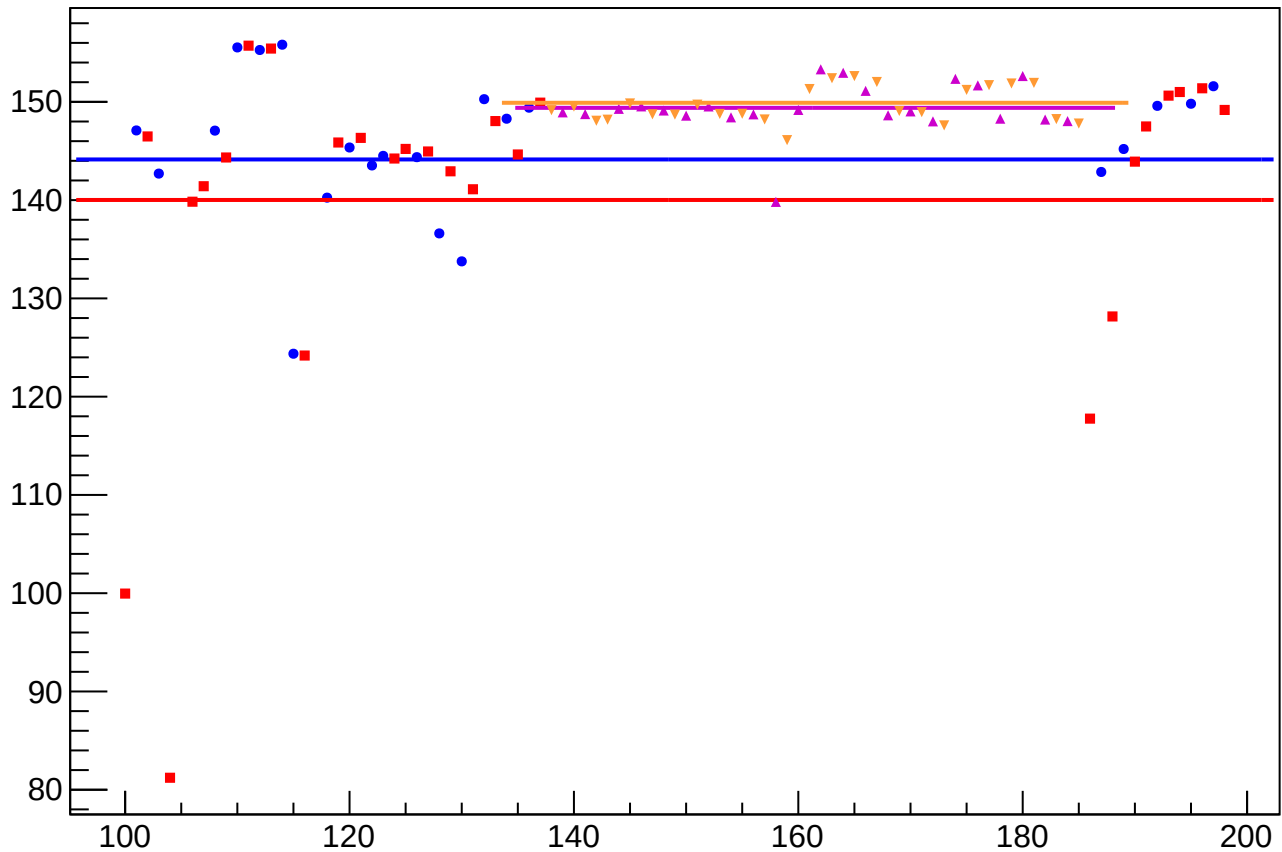
Right Out: 0.006+/-0.000 χ^2/NDF : 17279107.9/26

All: 0.007+/-0.000 χ^2/NDF : 87023823.6/96

- sign 0.007+/-0.000 χ^2/NDF : 44600759.4/49

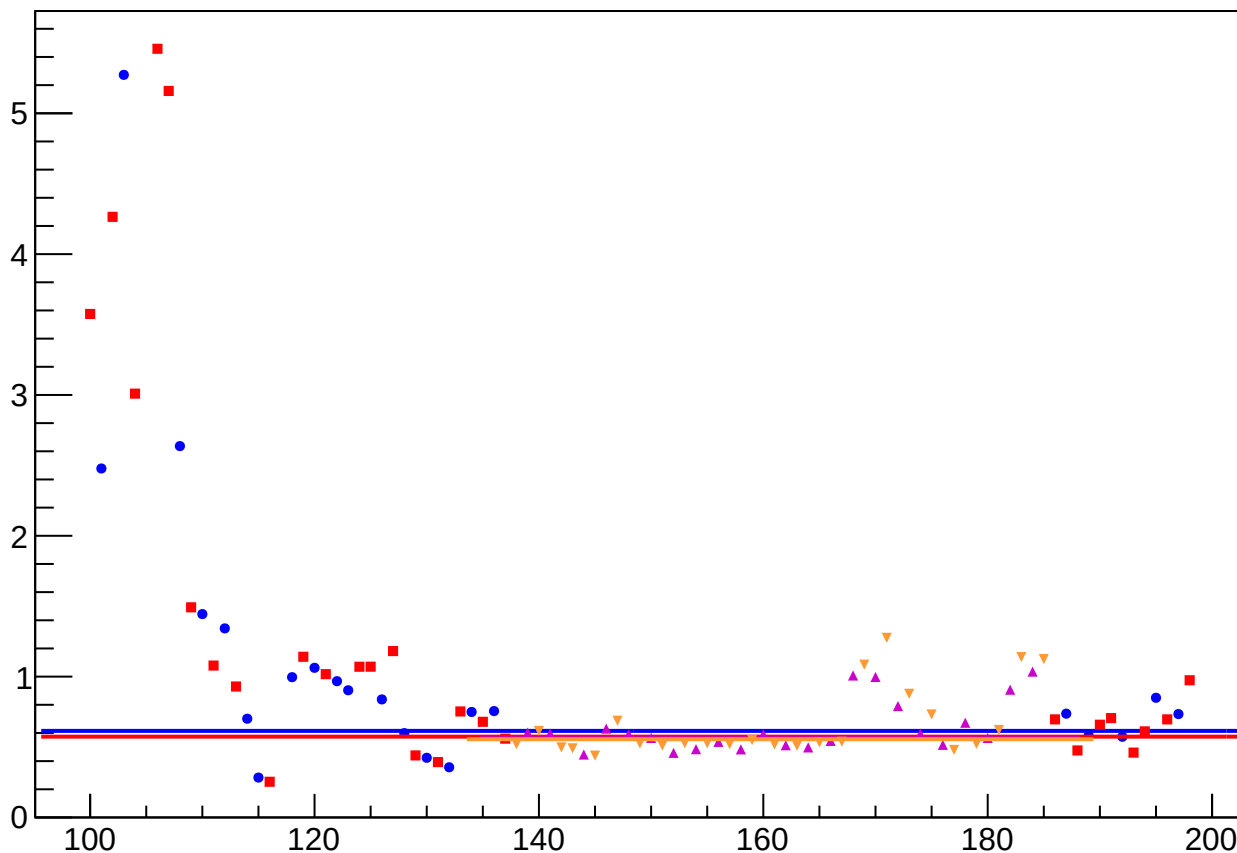
Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

yield_cav4cQ_mean vs Slug



Right In: 144.139 $\pm$ 0.000	χ^2 /NDF: 1192625380.6/21	+ sign 148.565 $\pm$ 0.000	χ^2 /NDF: 1749762790.5/46
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.454 $\pm$ 0.000	χ^2 /NDF: 6665992325.6
Right Out: 140.016 $\pm$ 0.000	χ^2 /NDF: 2985310559.0/26	- sign 146.400 $\pm$ 0.000	χ^2 /NDF: 4756744767.1/49
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.615 $\pm$ 0.000 χ^2 /NDF: 3643057.6/21

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773380.1/24

Right Out: 0.574 $\pm$ 0.000 χ^2 /NDF: 5114236.2/26

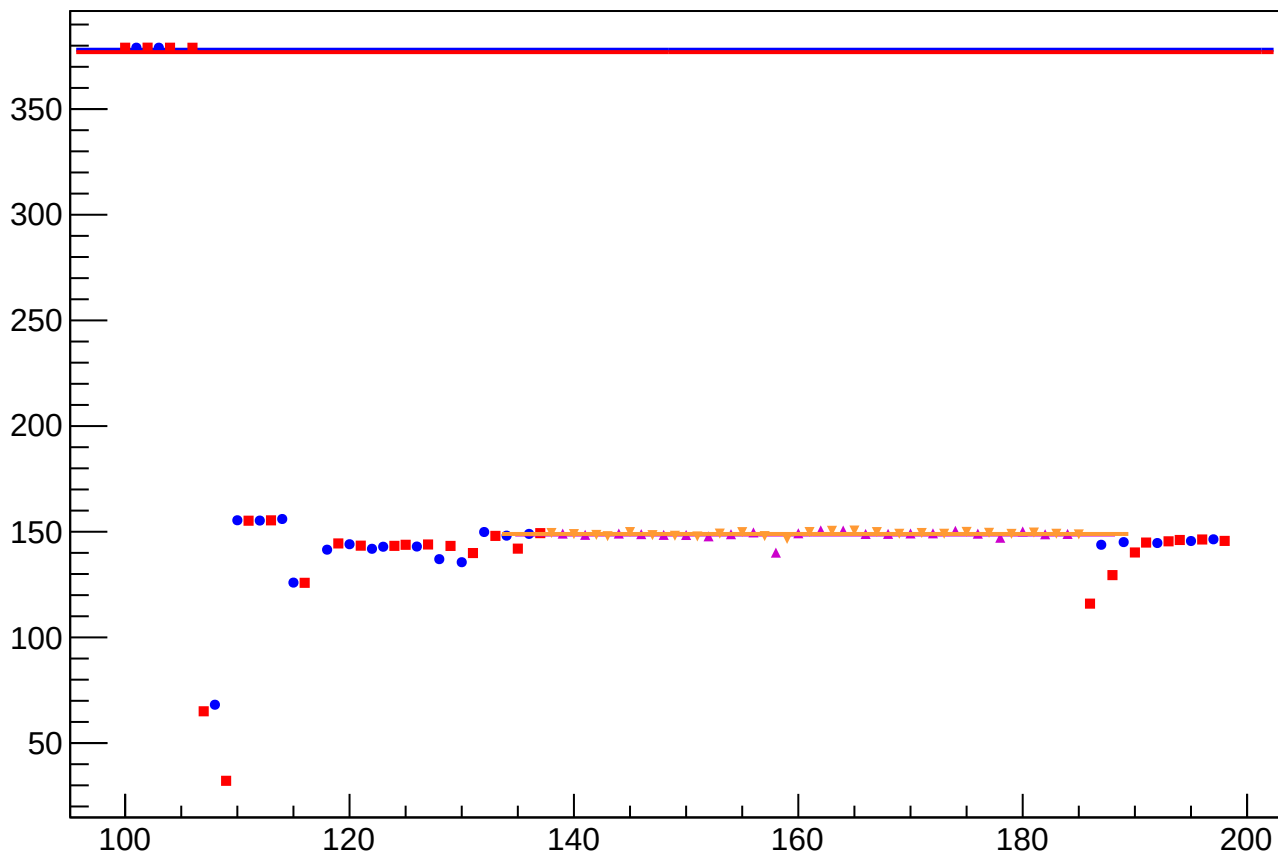
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1311075.2/22

+ sign 0.569 $\pm$ 0.000 χ^2 /NDF: 5499744.4/46

All: 0.567 $\pm$ 0.000 χ^2 /NDF: 11930077.5/96

- sign 0.566 $\pm$ 0.000 χ^2 /NDF: 6429573.5/49

yield_cav4dQ_mean vs Slug



Right In: 378.077 $\pm$ 0.000 χ^2 /NDF: 3144582403891.1/21

Left Out: 148.946 $\pm$ 0.000 χ^2 /NDF: 63974844.7/24

Right Out: 376.944 $\pm$ 0.000 χ^2 /NDF: 9527831173287.9/26

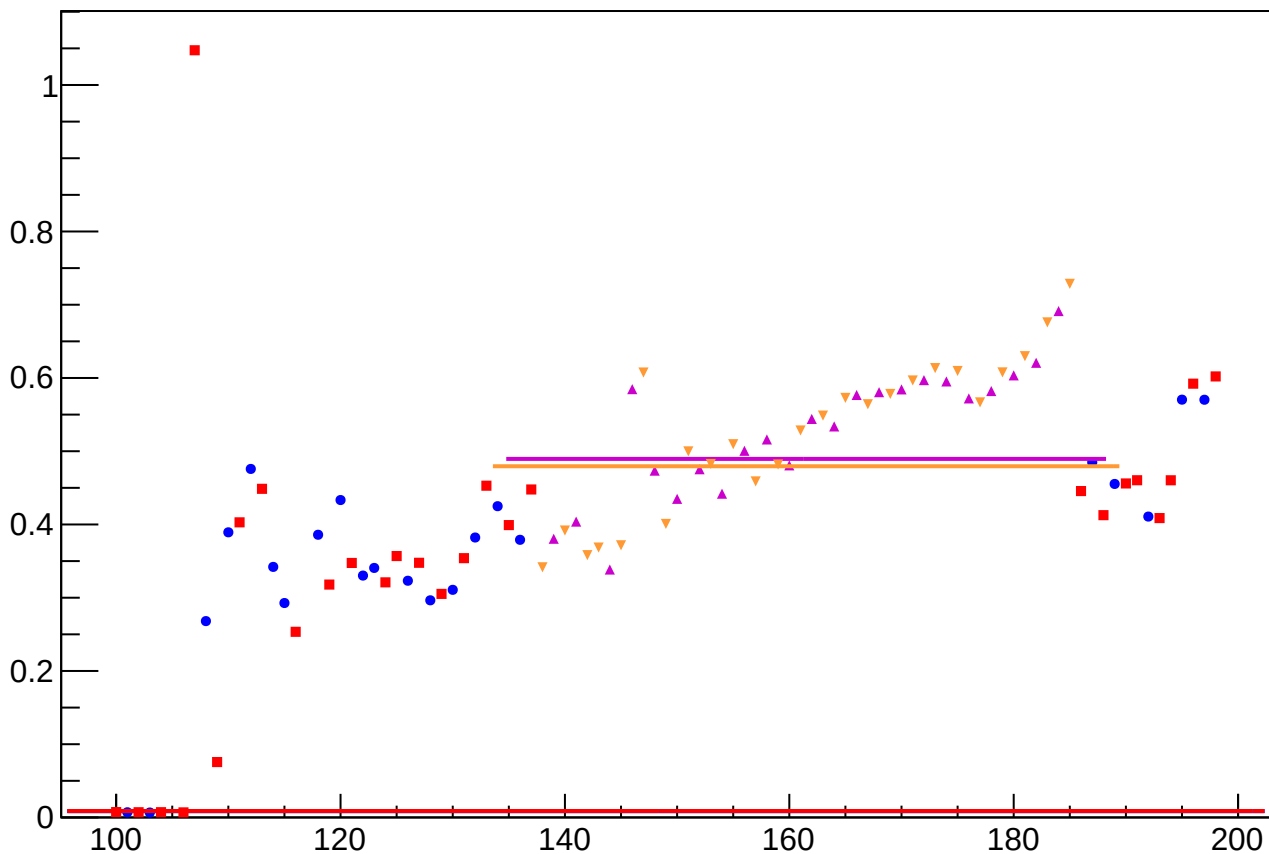
Left In: 148.683 $\pm$ 0.000 χ^2 /NDF: 253848207.3/22

+ sign 376.798 $\pm$ 0.000 χ^2 /NDF: 7052929118939.2

All: 376.327 $\pm$ 0.000 χ^2 /NDF: 201607552629

- sign 375.915 $\pm$ 0.000 χ^2 /NDF: 13102259382487.5

yield_cav4dQ_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 15267032.4/21

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1518765.9/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 18821796.2/26

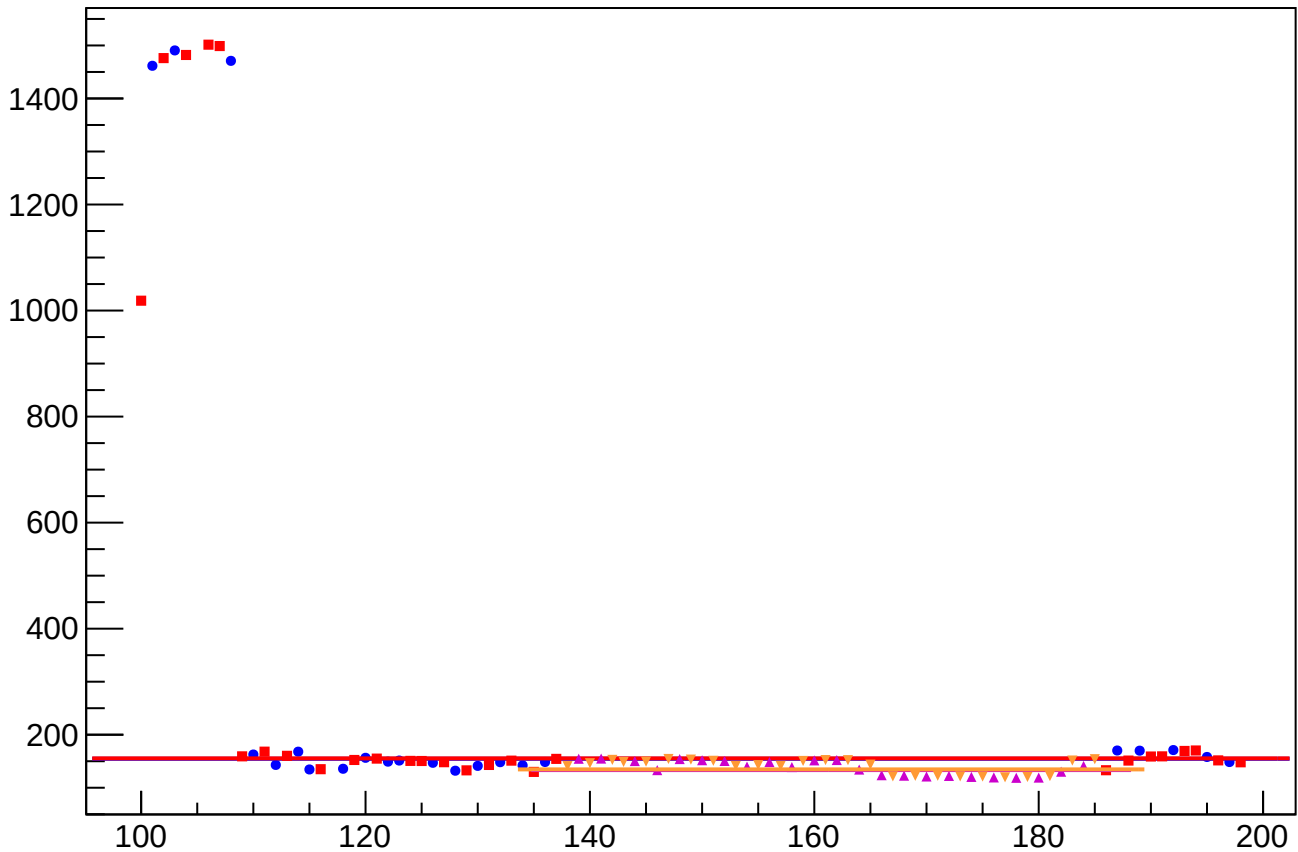
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 49807023.6/46

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 101424043.5/96

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 51616435.3/49

yield_bcm0l02_mean vs Slug



Right In: 154.601 $\pm$ 0.000 χ^2 /NDF: 25430268571.6/21

Left Out: 134.585 $\pm$ 0.000 χ^2 /NDF: 4387324151.1/24

Right Out: 155.356 $\pm$ 0.000 χ^2 /NDF: 34741688089.9/26

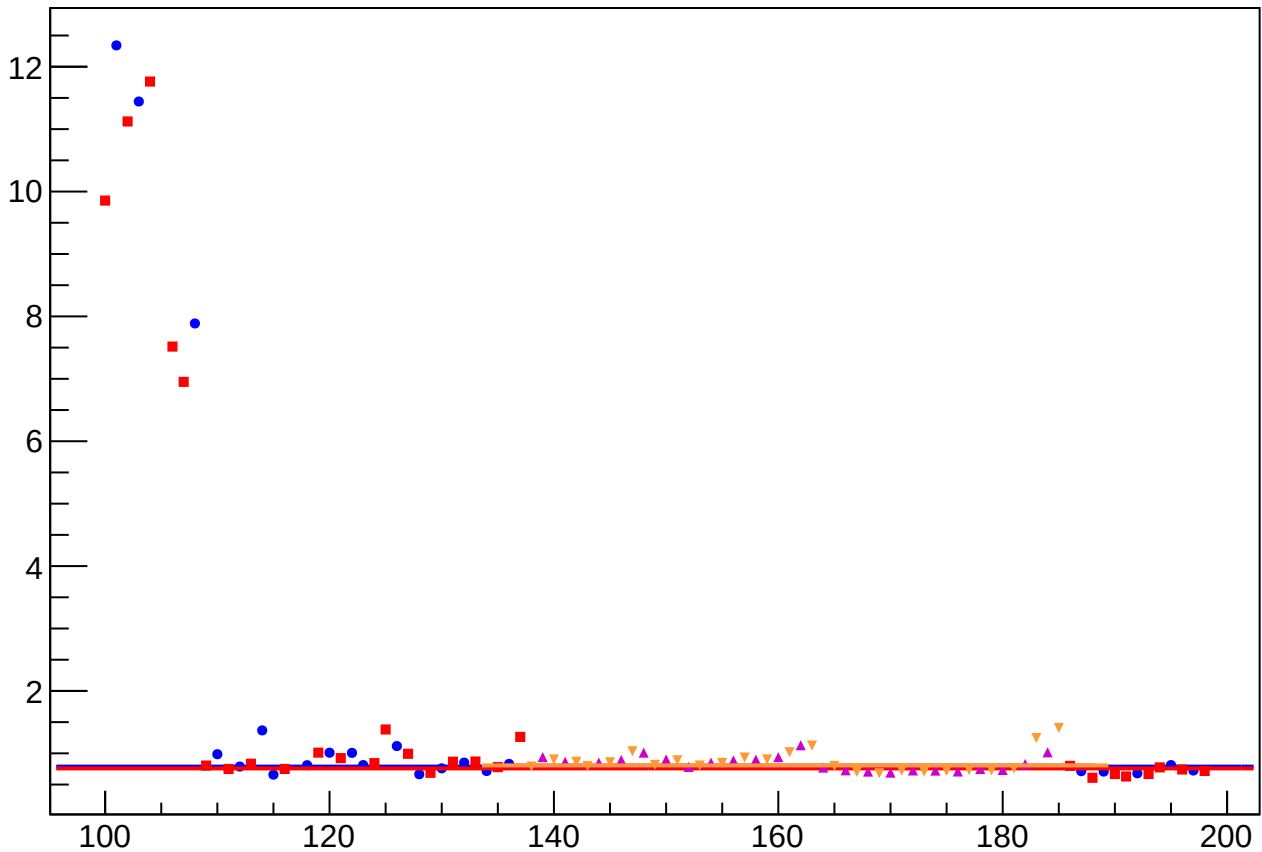
Left In: 133.309 $\pm$ 0.000 χ^2 /NDF: 4353039408.6/22

+ sign 140.608 $\pm$ 0.000 χ^2 /NDF: 32680038587.1/46

All: 141.281 $\pm$ 0.000 χ^2 /NDF: 76144699811.1

- sign 141.889 $\pm$ 0.000 χ^2 /NDF: 43435408378.2/49

yield_bcm0l02_rms vs Slug



Right In: 0.787 ± 0.000 χ^2/NDF : 2767508.2/21

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.759 ± 0.000 χ^2/NDF : 3130341.7/26

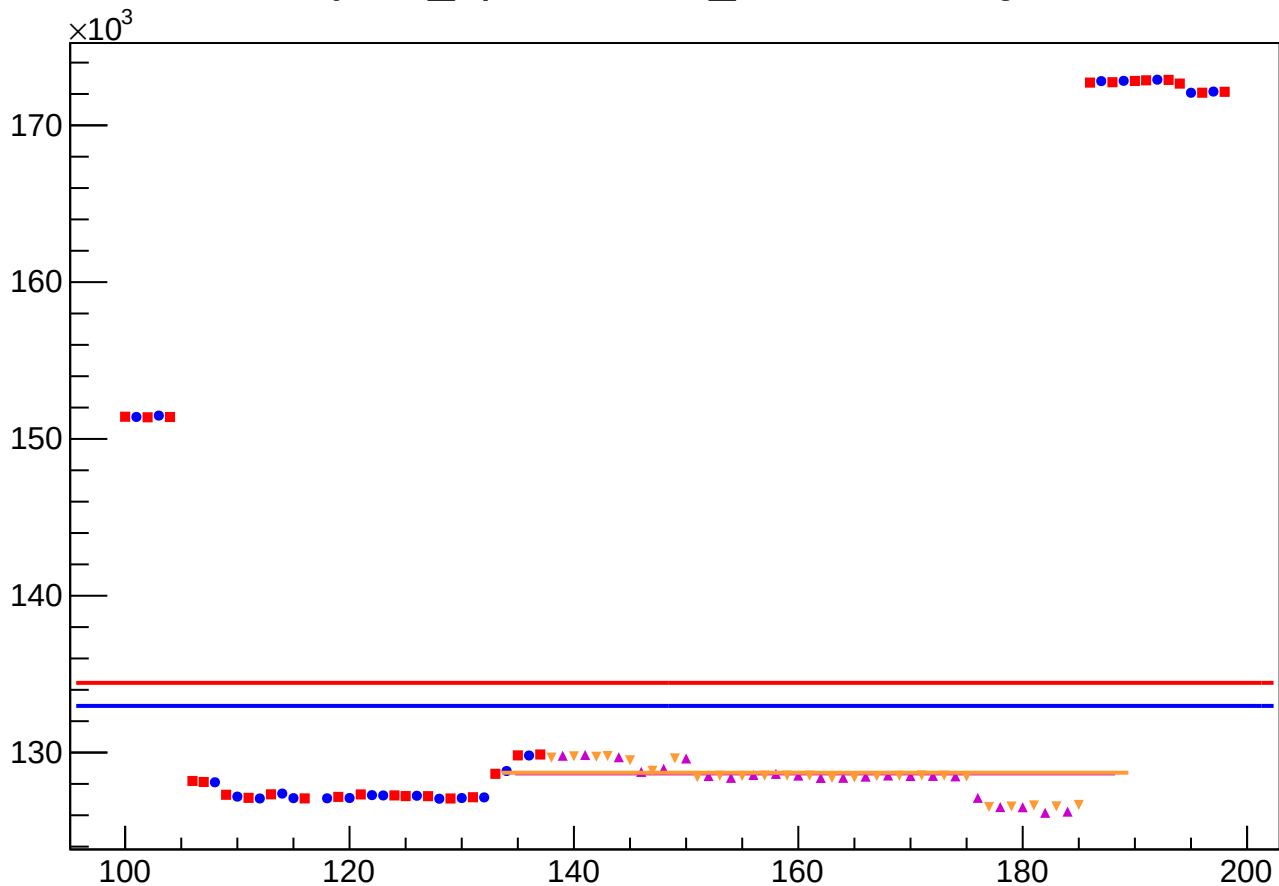
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.801 ± 0.000 χ^2/NDF : 3476956.0/46

All: 0.793 ± 0.000 χ^2/NDF : 7131928.2/96

- sign 0.787 ± 0.000 χ^2/NDF : 3647741.4/49

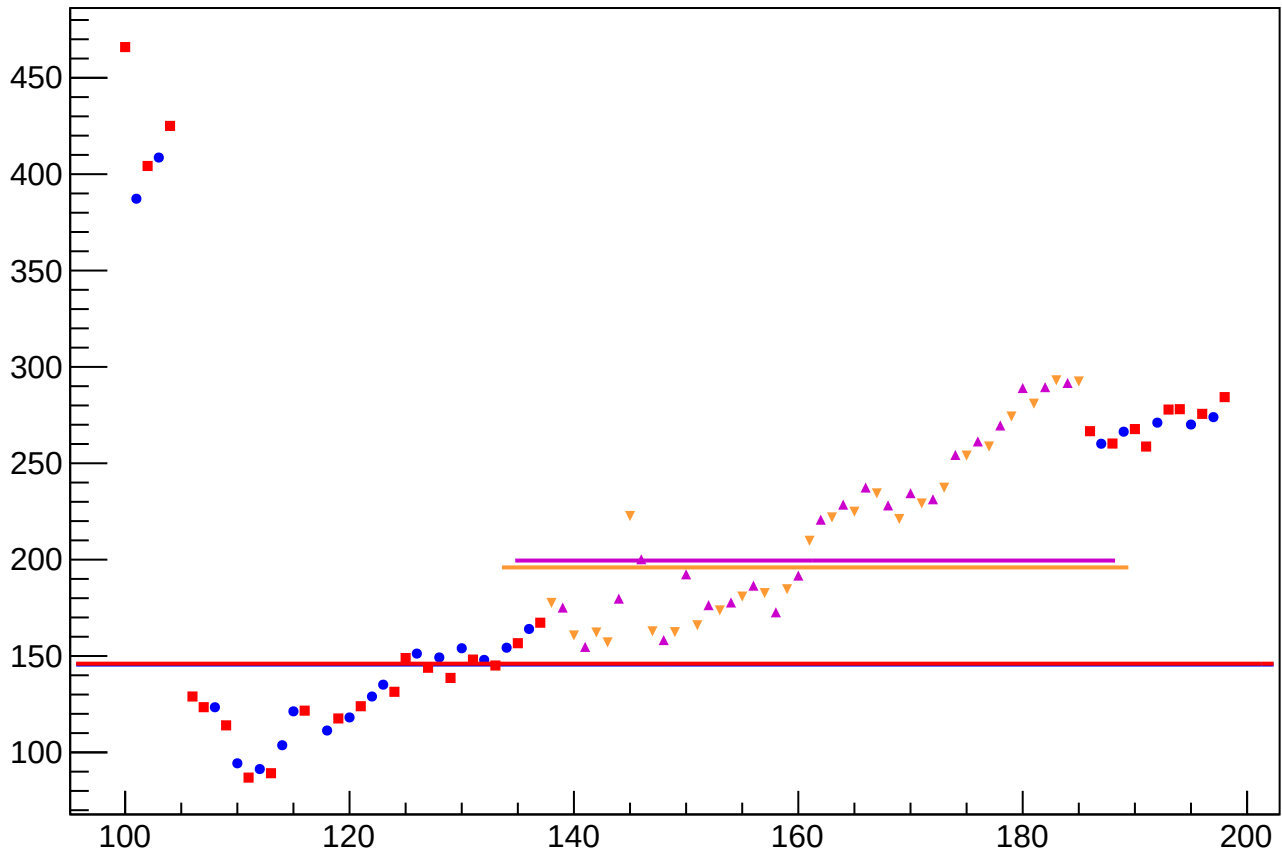
yield_bpm2i01WS_mean vs Slug



Right In: 132974.261+/-0.052 χ^2/NDF : 78032297581.3/21
 Left Out: 128713.791+/-0.047 χ^2/NDF : 348293942.5/24
 Right Out: 134444.856+/-0.047 χ^2/NDF : 118394005043.0/26
 Left In: 128670.094+/-0.049 χ^2/NDF : 334875494.0/22

+ sign 130633.961+/-0.035 χ^2/NDF : 82139509065.
 All: 131178.085+/-0.024 χ^2/NDF : 20867614.
 - sign 131694.944+/-0.034 χ^2/NDF : 126053732809

yield_bpm2i01WS_rms vs Slug



Right In: 145.569+/-0.036 χ^2/NDF : 2952674.3/21

Left Out: 195.964+/-0.033 χ^2/NDF :1316091.7/24

Right Out: 146.026+/-0.033 χ^2/NDF : 4055662.3/26

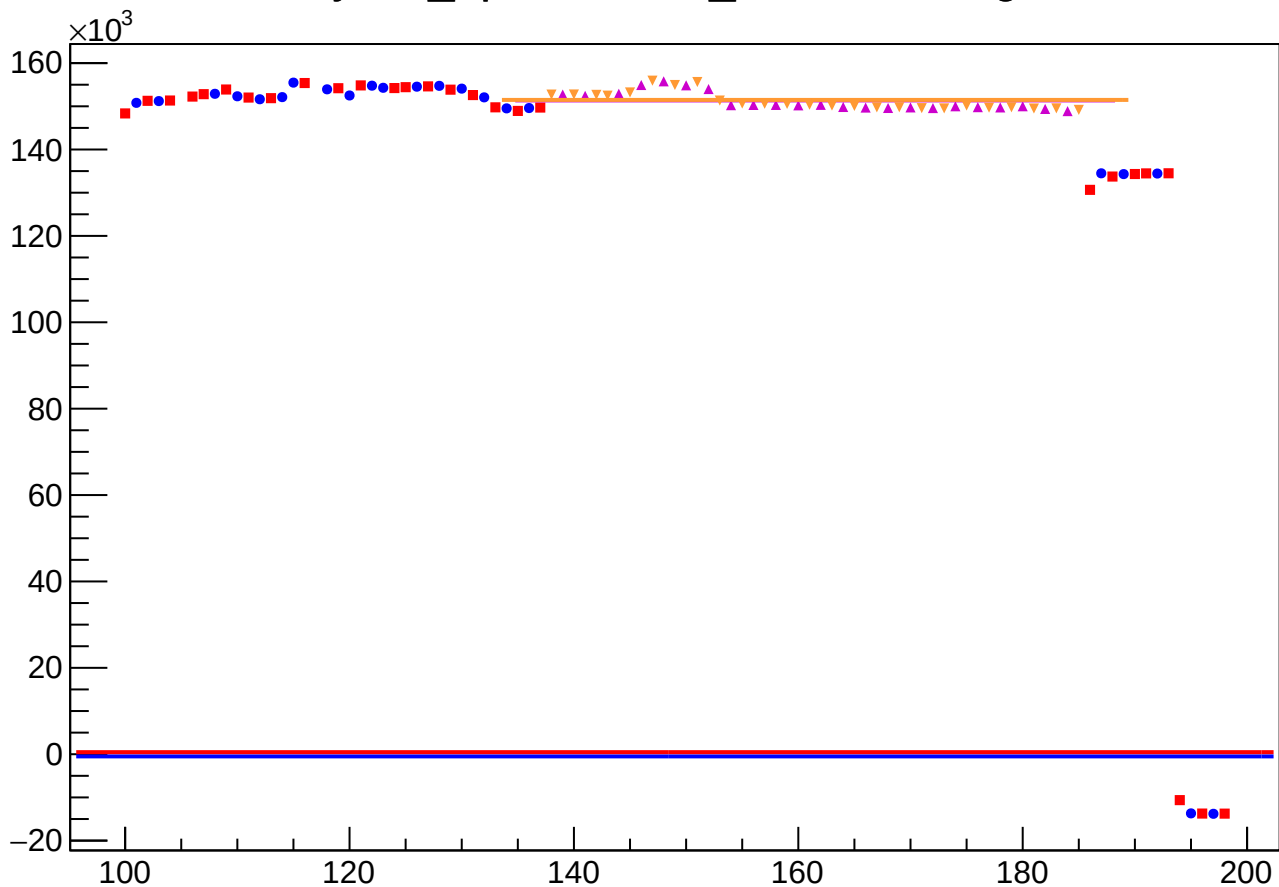
Left In: 199.531+/-0.035 χ^2/NDF :1175342.5/22

+ sign 173.251+/-0.024 χ^2/NDF : 5320621.3/46

All: 172.355+/-0.017 χ^2/NDF : 11811888.9/96

- sign 171.505+/-0.024 χ^2/NDF : 6488651.0/49

yield_bpm0i07WS_mean vs Slug



Right In: -500.768 $\pm$ 0.019 χ^2 /NDF: 5488867509372.1/21

Left Out: 151480.339 $\pm$ 0.049 χ^2 /NDF: 1483692735.3/24

Right Out: 479.333 $\pm$ 0.017 χ^2 /NDF: 6730594909815.8/26

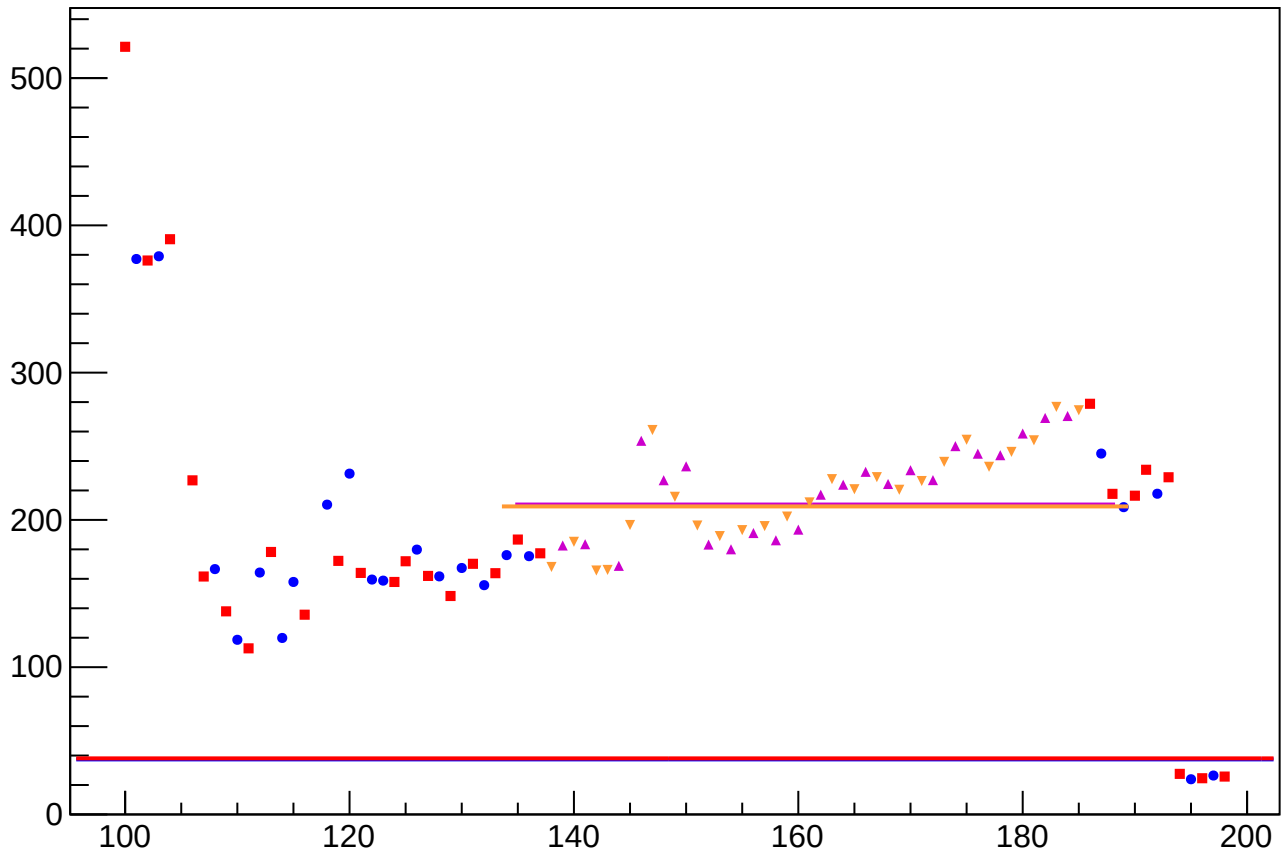
Left In: 151362.440 $\pm$ 0.051 χ^2 /NDF: 1426782789.9/22

+ sign 19158.619 $\pm$ 0.018 χ^2 /NDF: 1370716719873

All: 17536.835 $\pm$ 0.012 χ^2 /NDF: 2823050285

- sign 16141.607 $\pm$ 0.017 χ^2 /NDF: 1450788052854

yield_bpm0i07WS_rms vs Slug



Right In: 37.382 ± 0.013 χ^2/NDF : 10684564.0/21

Left Out: 209.156 ± 0.035 χ^2/NDF : 710094.9/24

Right Out: 38.075 ± 0.012 χ^2/NDF : 12636594.7/26

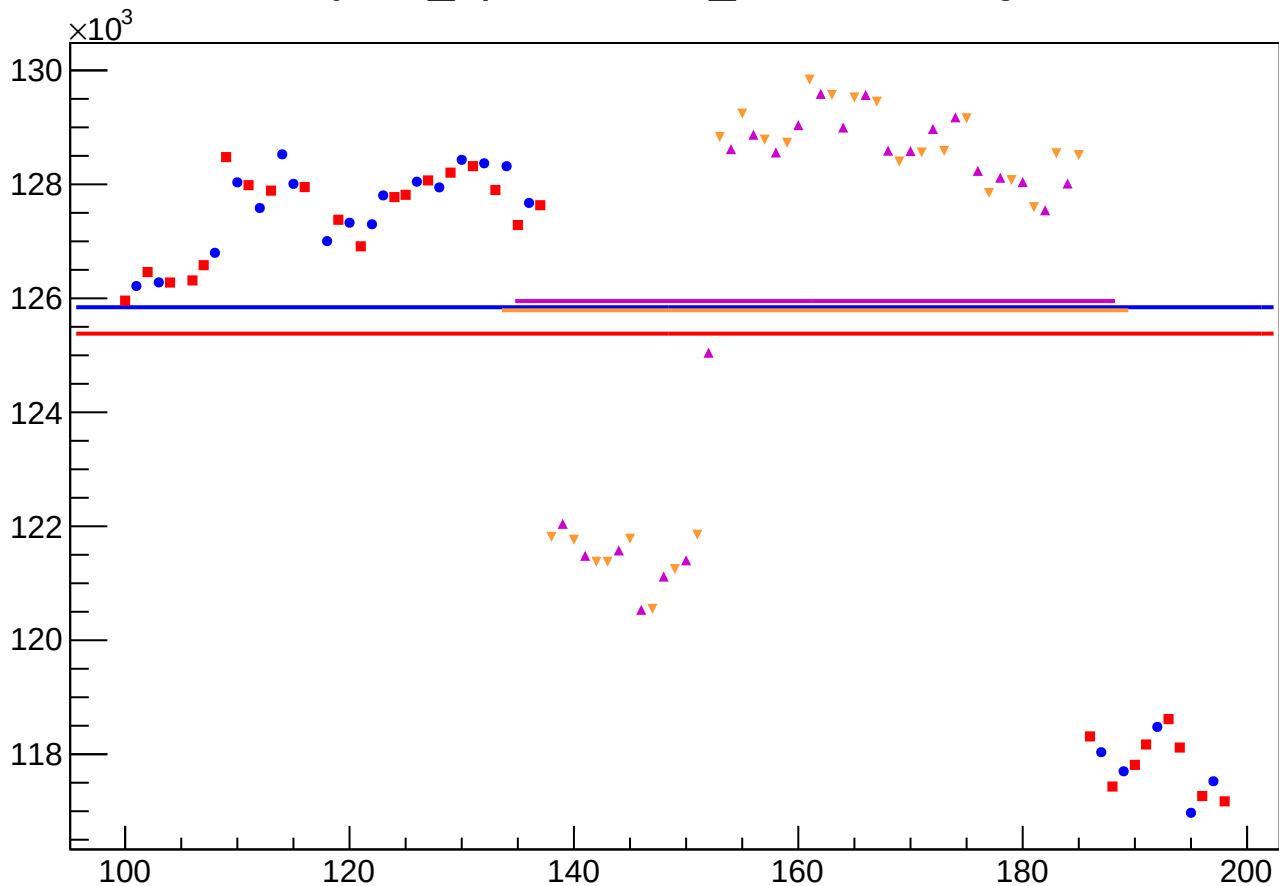
Left In: 210.431 ± 0.036 χ^2/NDF : 684015.0/22

+ sign 59.602 ± 0.013 χ^2/NDF : 32387255.4/46

All: 57.648 ± 0.009 χ^2/NDF : 66045830.0/96

- sign 55.966 ± 0.012 χ^2/NDF : 33613689.2/49

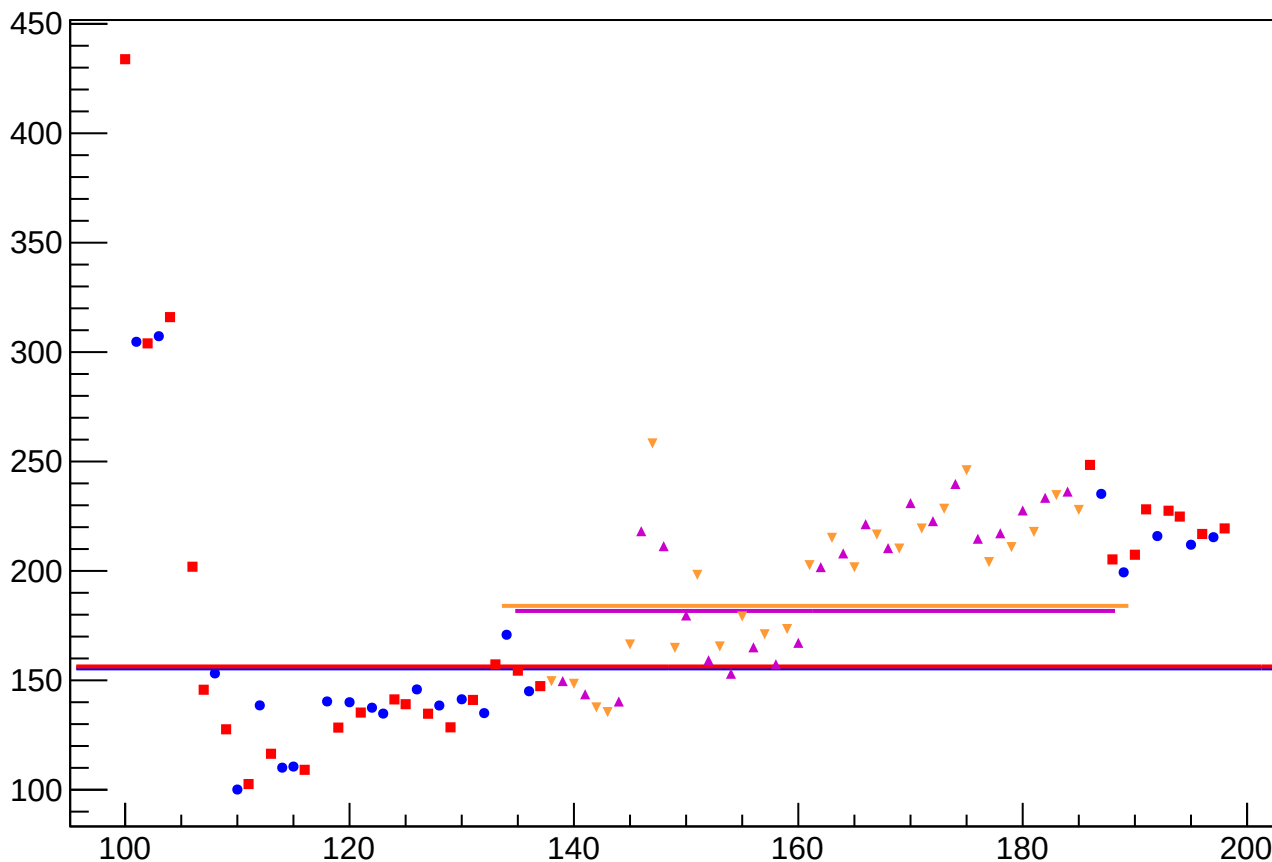
yield_bpm0l01WS_mean vs Slug



Right In: 125843.756 $\pm$ 0.053 χ^2 /NDF: 5615560553.1/21
 Left Out: 125790.126 $\pm$ 0.044 χ^2 /NDF: 6744310079.8/24
 Right Out: 125380.663 $\pm$ 0.048 χ^2 /NDF: 7998760771.3/26
 Left In: 125952.447 $\pm$ 0.045 χ^2 /NDF: 5841800367.5/22

+ sign 125812.147 $\pm$ 0.034 χ^2 /NDF: 12360481726.
 All: 125746.583 $\pm$ 0.023 χ^2 /NDF: 262848886.
 - sign 125685.391 $\pm$ 0.033 χ^2 /NDF: 13917110843.1

yield_bpm0l01WS_rms vs Slug



Right In: 155.463 $\pm$ 0.037 χ^2 /NDF: 1388557.8/21

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF:1126592.5/24

Right Out: 156.338 $\pm$ 0.034 χ^2 /NDF: 2052697.7/26

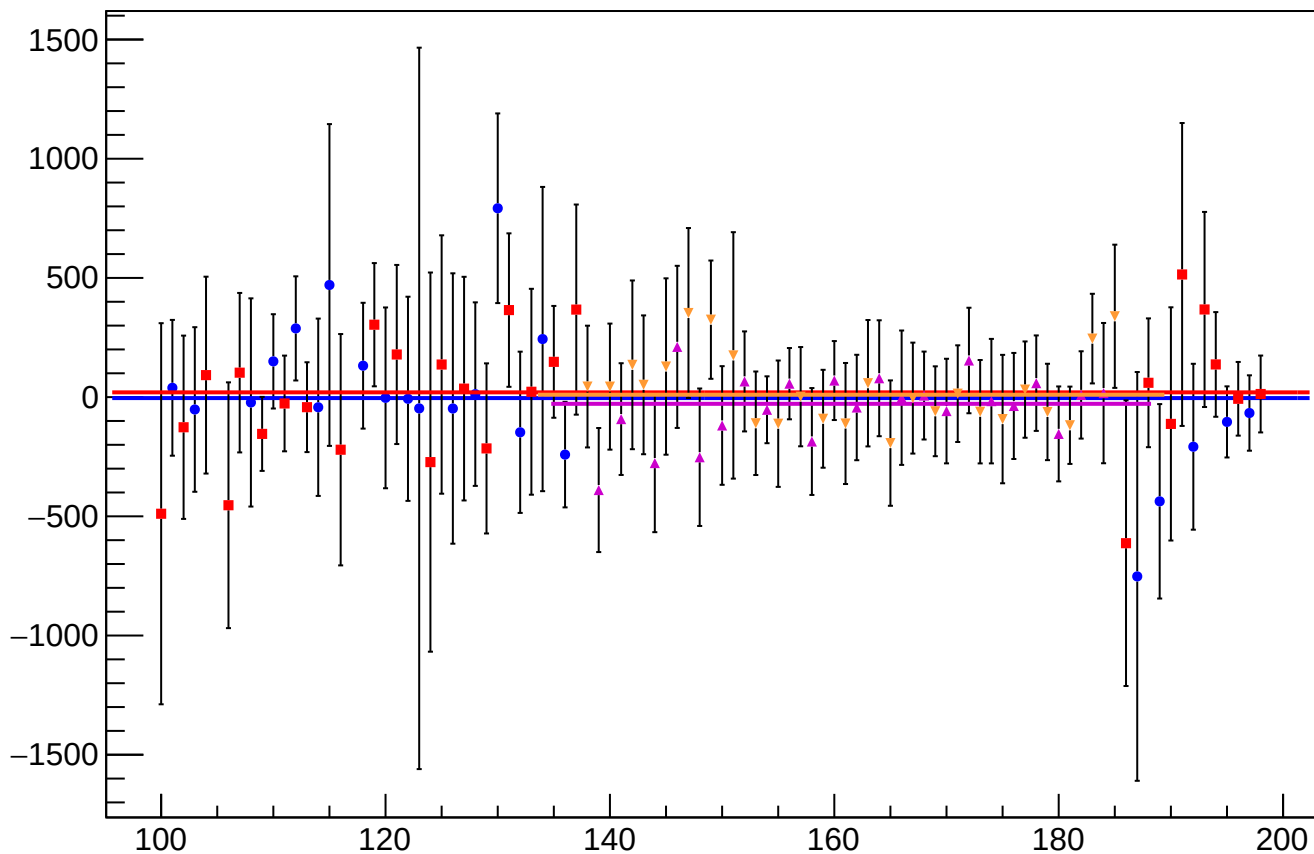
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF:1116142.0/22

+ sign 172.300 $\pm$ 0.024 χ^2 /NDF: 2861911.9/46

All: 171.039 $\pm$ 0.017 χ^2 /NDF: 6337685.8/96

- sign 169.862 $\pm$ 0.023 χ^2 /NDF: 3470377.3/49

asym_bcm_an_ds_mean vs Slug



Right In: -4.010 ± 62.316 χ^2/NDF : 11.5/21

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 19.987 ± 54.745 χ^2/NDF : 10.1/26

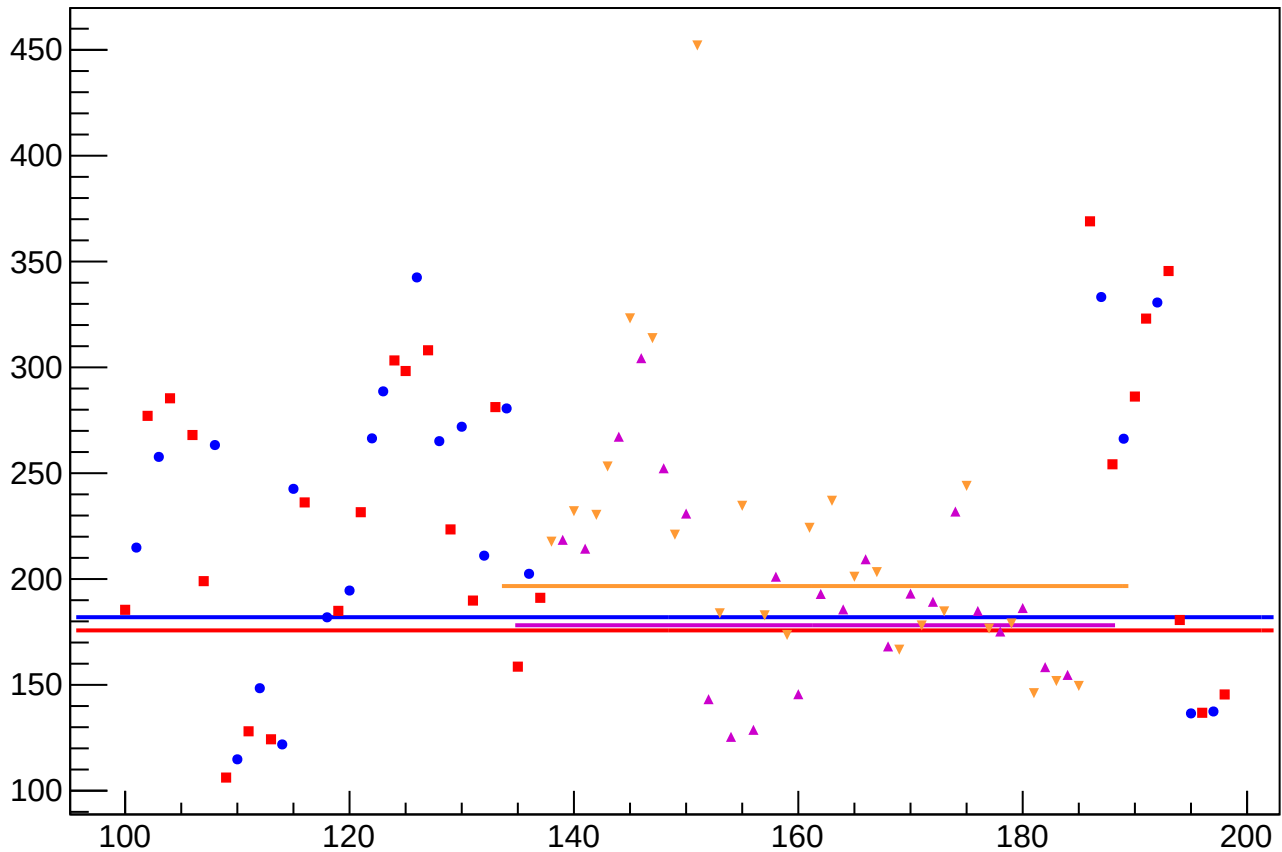
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign 4.902 ± 37.771 χ^2/NDF : 20.0/46

All: -2.610 ± 25.499 χ^2/NDF : 37.6/96

- sign -8.901 ± 34.565 χ^2/NDF : 17.5/49

asym_bcm_an_ds_rms vs Slug



Right In: 181.972 $\pm$ 0.044 χ^2 /NDF: 1921573.5/21

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF: 1782715.7/24

Right Out: 175.732 $\pm$ 0.039 χ^2 /NDF: 2709428.6/26

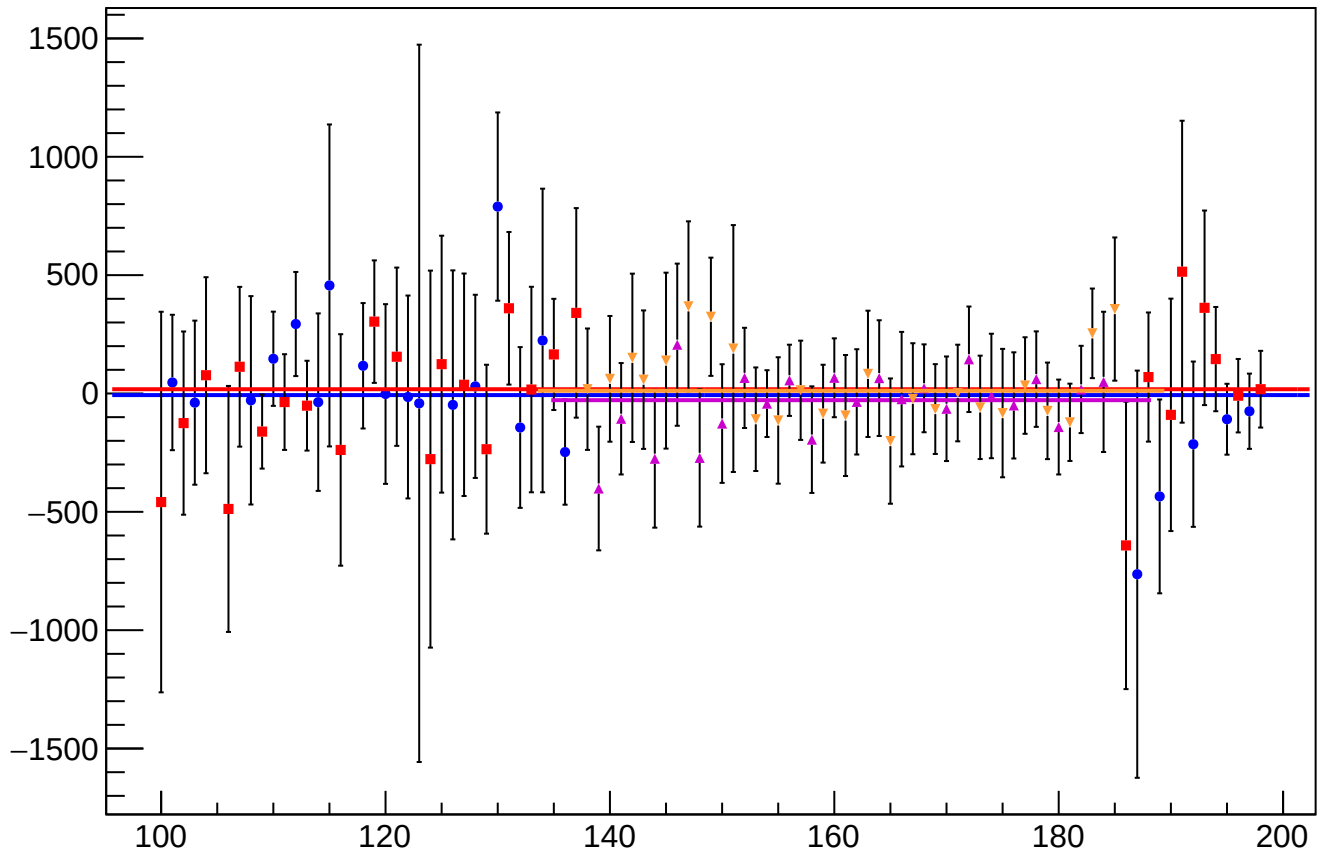
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF: 1618967.9/22

+ sign 191.278 $\pm$ 0.027 χ^2 /NDF: 3774787.5/46

All: 183.614 $\pm$ 0.018 χ^2 /NDF: 8256858.7/96

- sign 177.195 $\pm$ 0.024 χ^2 /NDF: 4330773.0/49

asym_bcm_an_ds3_mean vs Slug



Right In: -6.761 ± 62.611 χ^2/NDF : 11.6/21

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 17.962 ± 55.033 χ^2/NDF : 10.3/26

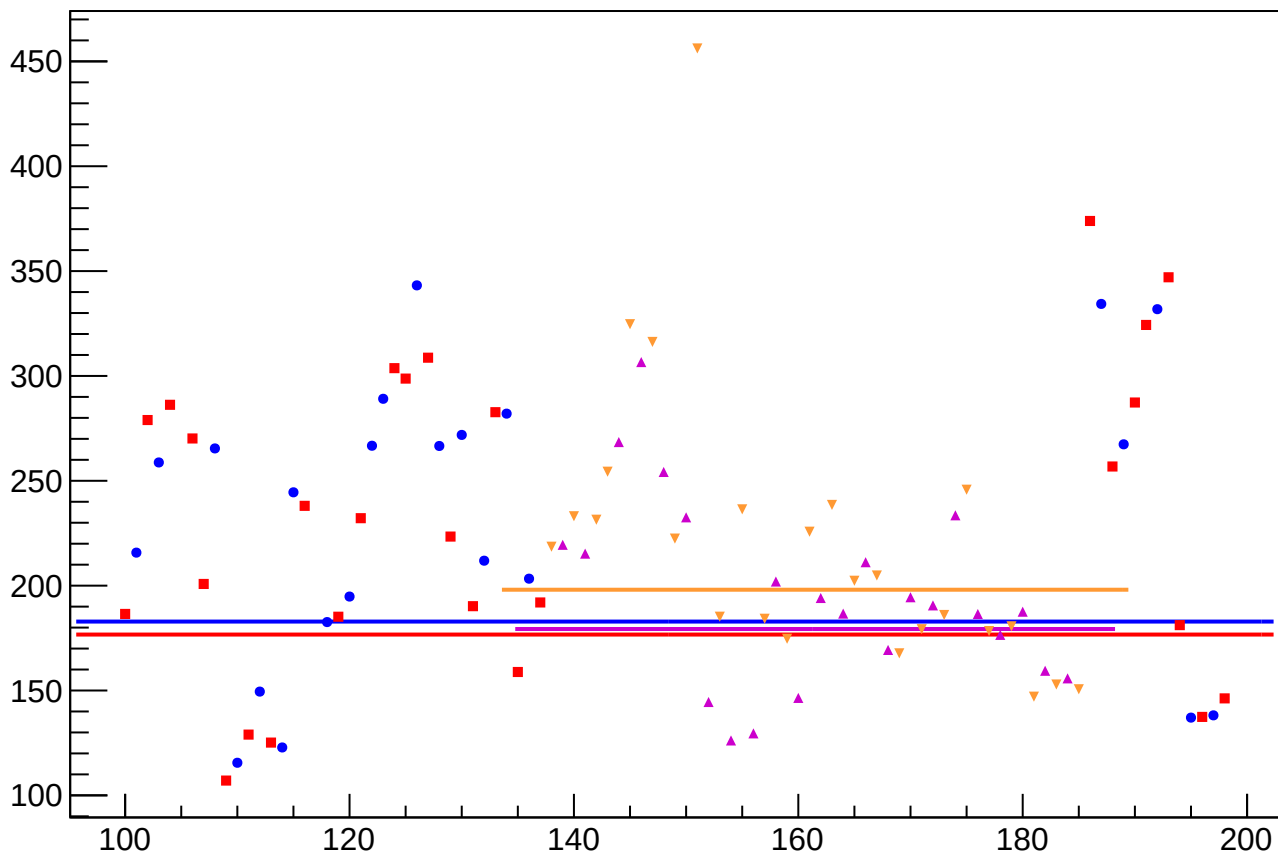
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign 4.759 ± 38.003 χ^2/NDF : 20.4/46

All: -3.175 ± 25.654 χ^2/NDF : 38.4/96

- sign -9.818 ± 34.773 χ^2/NDF : 17.9/49

asym_bcm_an_ds3_rms vs Slug



Right In: 182.874 $\pm$ 0.044 χ^2 /NDF: 1912659.2/21

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF: 1778526.5/24

Right Out: 176.680 $\pm$ 0.039 χ^2 /NDF: 2703273.1/26

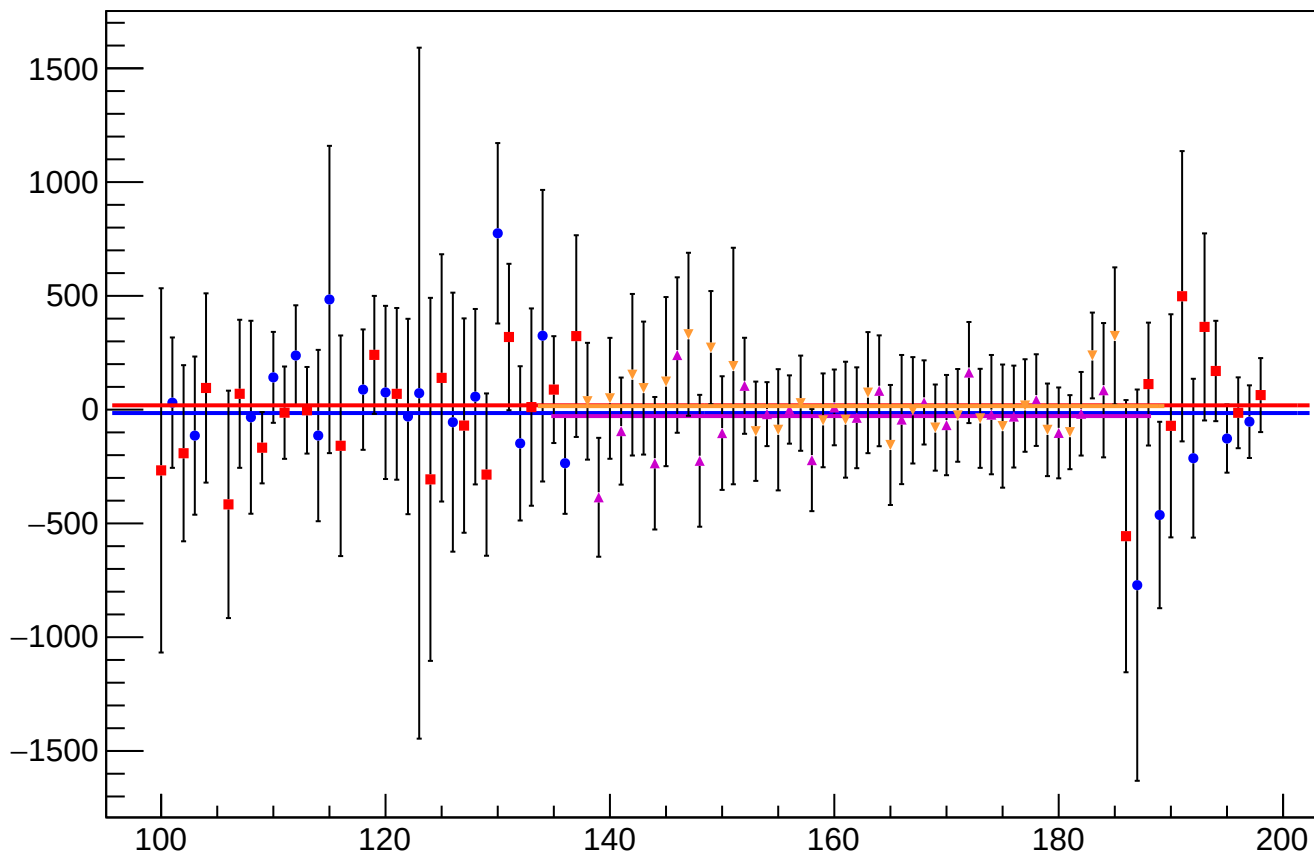
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF: 1618266.2/22

+ sign 192.465 $\pm$ 0.027 χ^2 /NDF: 3765481.8/46

All: 184.738 $\pm$ 0.018 χ^2 /NDF: 8241707.8/96

- sign 178.268 $\pm$ 0.025 χ^2 /NDF: 4324313.2/49

asym_bcm_an_us_mean vs Slug



Right In: -14.970 $\pm$ 62.663 χ^2/NDF : 11.2/21

Left Out: 15.437 $\pm$ 47.695 χ^2/NDF : 7.0/24

Right Out: 18.938 $\pm$ 55.010 χ^2/NDF : 8.9/26

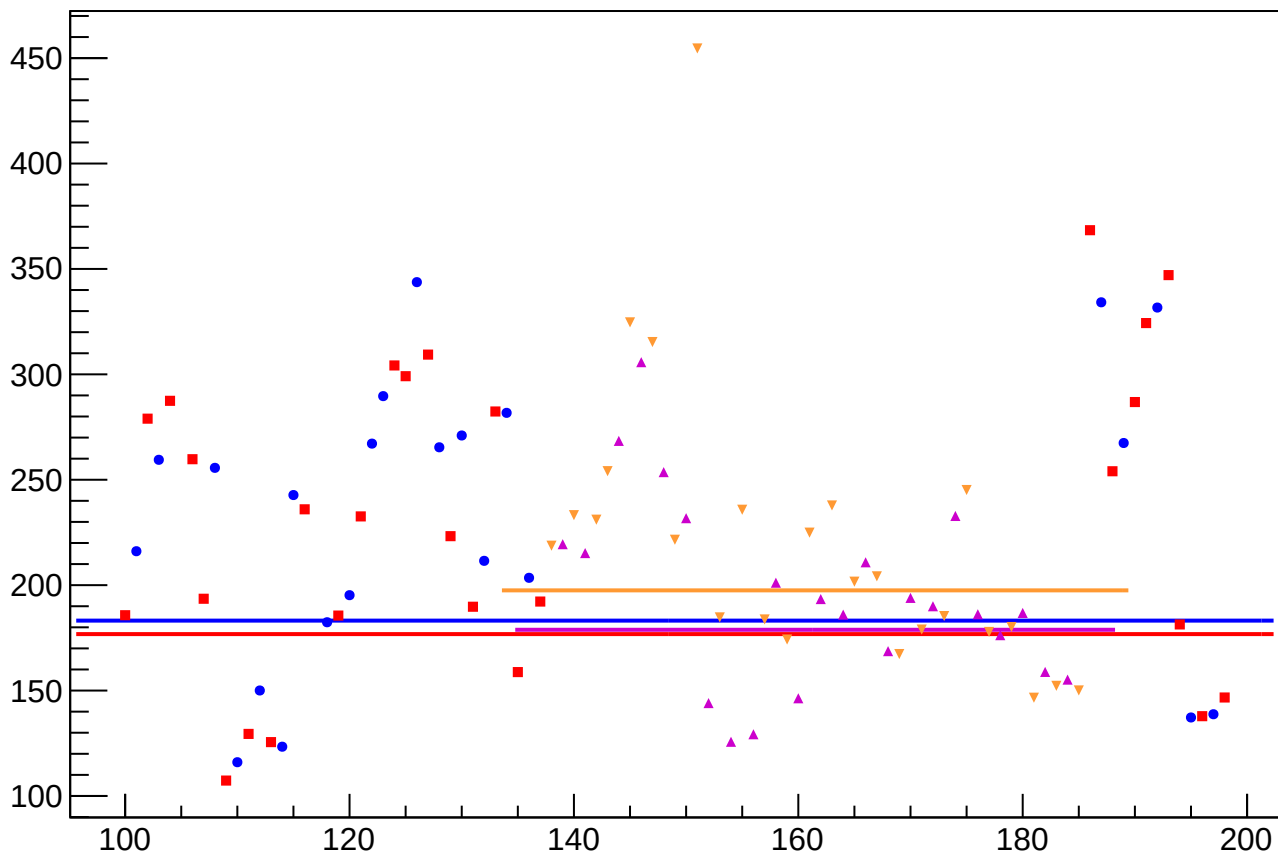
Left In: -28.277 $\pm$ 44.743 χ^2/NDF : 6.4/22

+ sign 4.284 $\pm$ 37.952 χ^2/NDF : 18.3/46

All: -3.210 $\pm$ 25.614 χ^2/NDF : 34.1/96

- sign -9.478 $\pm$ 34.711 χ^2/NDF : 15.7/49

asym_bcm_an_us_rms vs Slug



Right In: 183.179 $\pm$ 0.044 χ^2 /NDF: 1883974.9/21

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF: 1784225.5/24

Right Out: 176.783 $\pm$ 0.039 χ^2 /NDF: 2659617.0/26

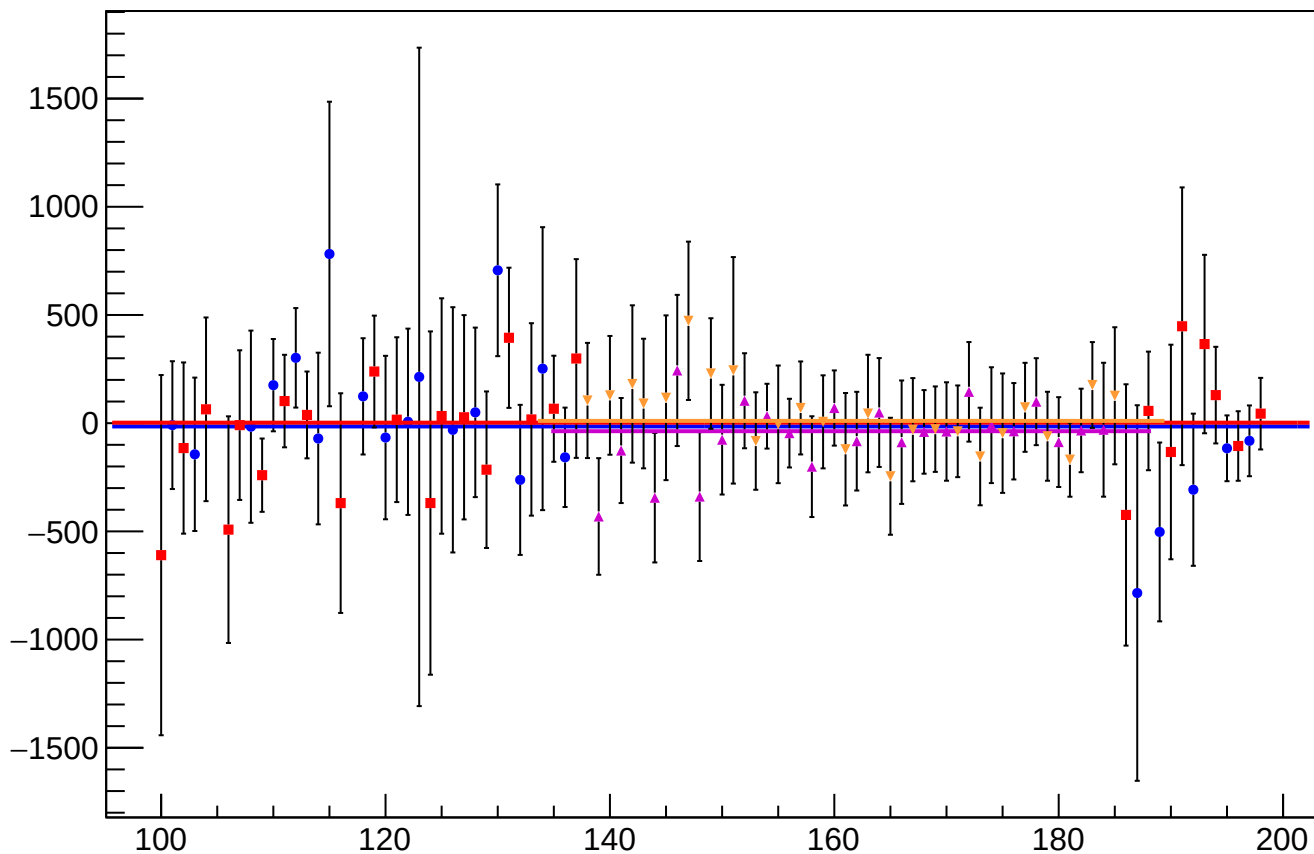
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF: 1622266.9/22

+ sign 192.264 $\pm$ 0.027 χ^2 /NDF: 3734594.7/46

All: 184.507 $\pm$ 0.018 χ^2 /NDF: 8171592.1/96

- sign 178.019 $\pm$ 0.025 χ^2 /NDF: 4283559.3/49

asym_bcm_dg_us_mean vs Slug



Right In: -15.106 ± 64.284 χ^2/NDF : 12.3/21

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 2.358 ± 56.829 χ^2/NDF : 10.5/26

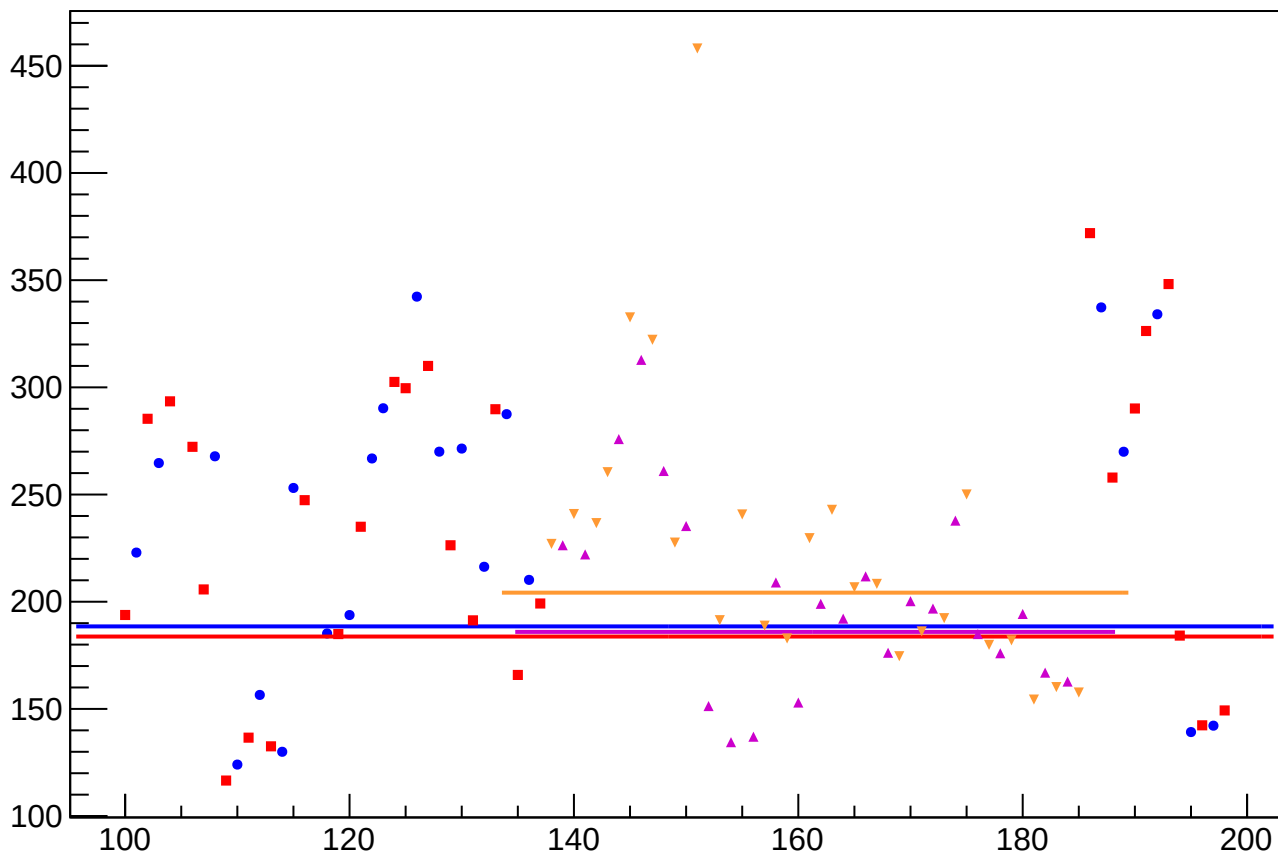
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign 1.064 ± 39.069 χ^2/NDF : 19.9/46

All: -11.041 ± 26.443 χ^2/NDF : 38.7/96

- sign -21.274 ± 35.922 χ^2/NDF : 18.6/49

asym_bcm_dg_us_rms vs Slug



Right In: 188.490 $\pm$ 0.045 χ^2 /NDF: 1789194.1/21

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 183.761 $\pm$ 0.040 χ^2 /NDF: 2444451.0/26

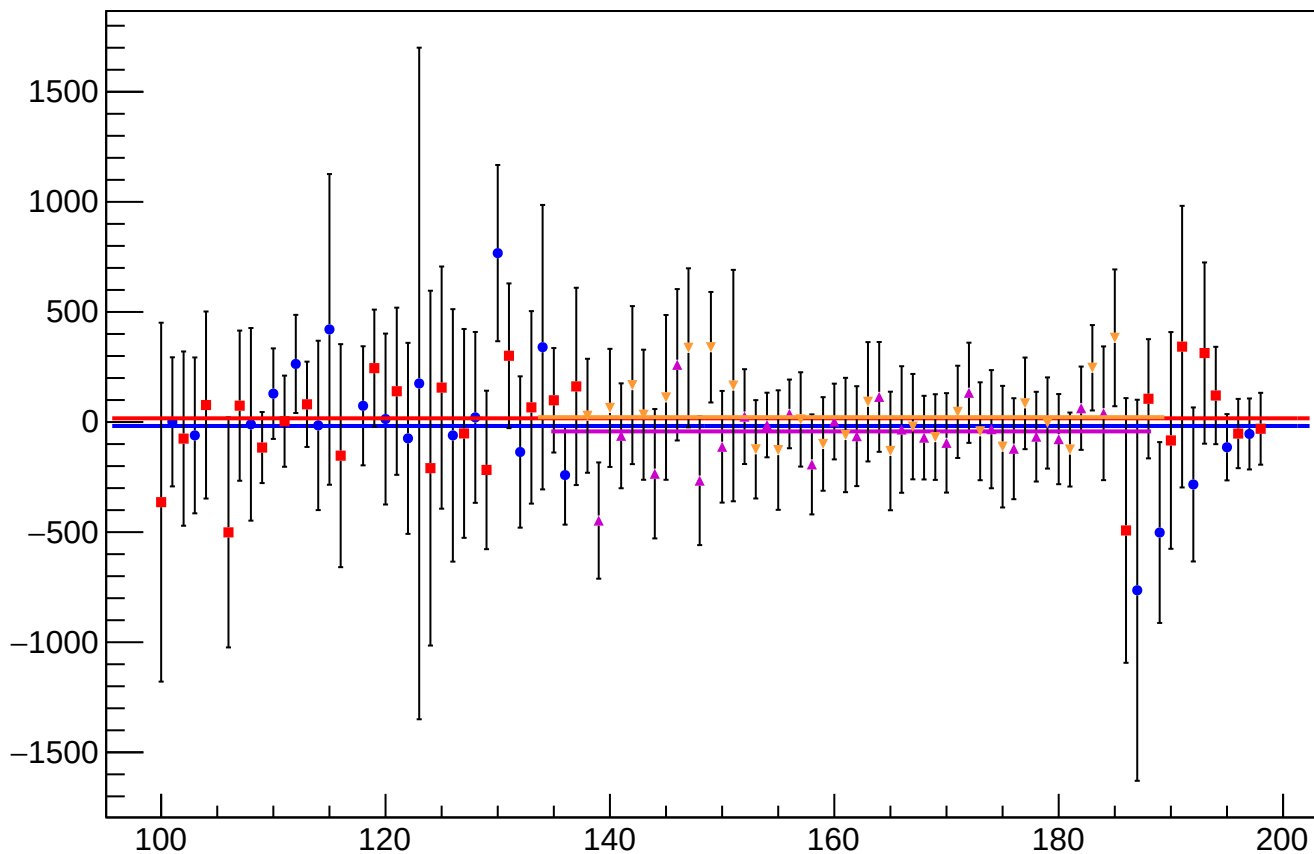
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 198.420 $\pm$ 0.028 χ^2 /NDF: 3540532.1/46

All: 191.183 $\pm$ 0.019 χ^2 /NDF: 7573459.4/96

- sign 185.064 $\pm$ 0.025 χ^2 /NDF: 3906268.3/49

asym_bcm_dg_ds_mean vs Slug



Right In: -17.849 ± 63.497 χ^2/NDF : 11.1/21

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 17.034 ± 55.846 χ^2/NDF : 6.8/26

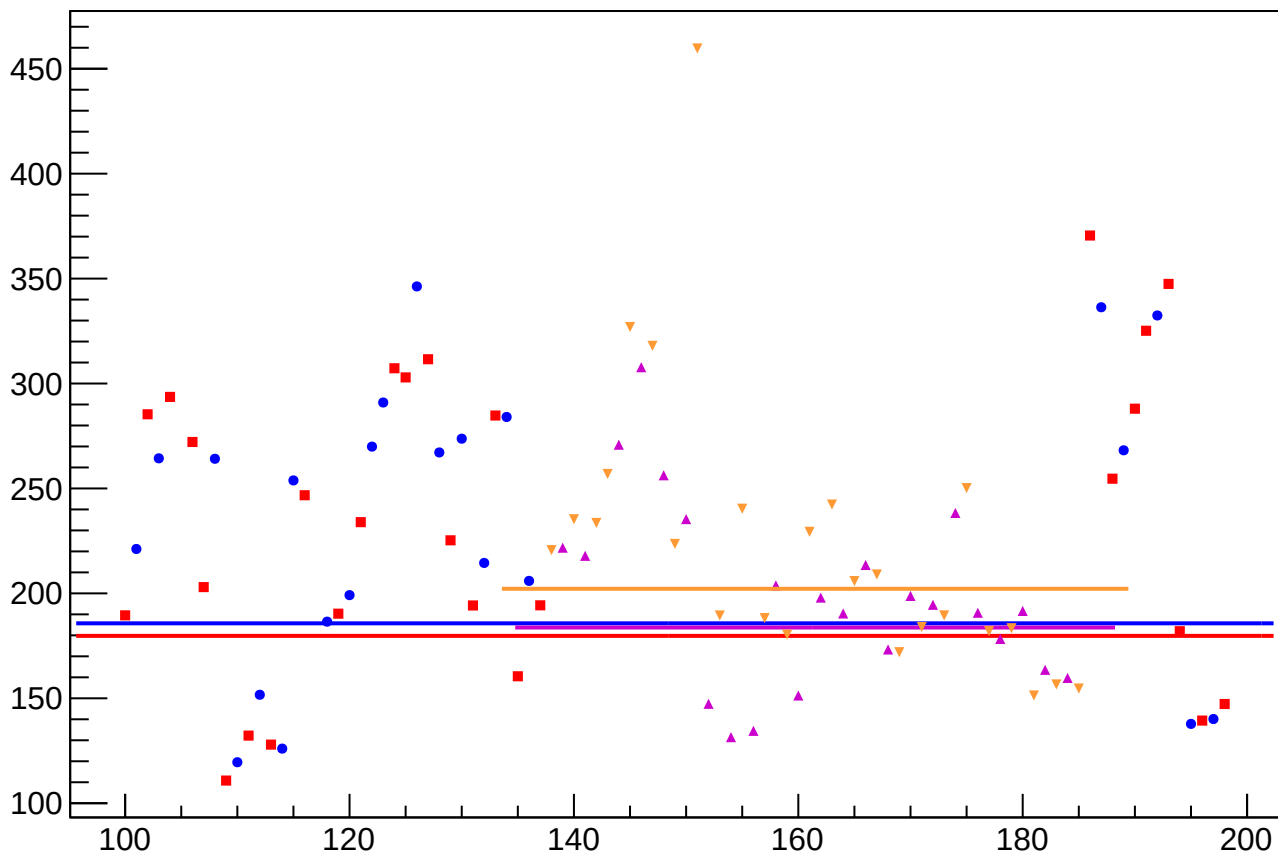
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign 7.345 ± 38.662 χ^2/NDF : 19.7/46

All: -6.693 ± 26.126 χ^2/NDF : 34.2/96

- sign -18.490 ± 35.442 χ^2/NDF : 14.2/49

asym_bcm_dg_ds_rms vs Slug



Right In: 185.731 $\pm$ 0.045 χ^2 /NDF: 1873945.5/21

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF: 1696571.9/24

Right Out: 179.752 $\pm$ 0.039 χ^2 /NDF: 2620394.3/26

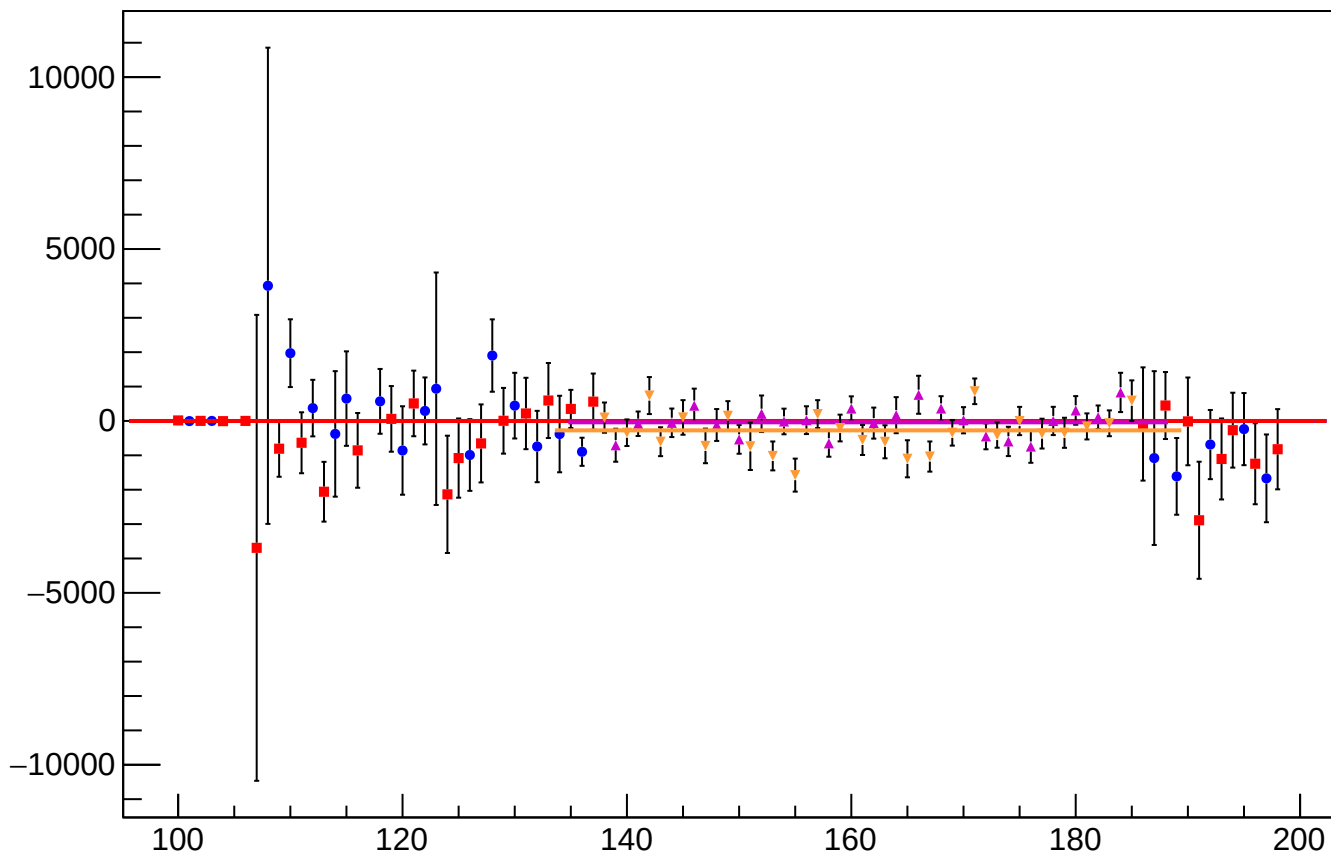
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF: 1495930.4/22

+ sign 196.085 $\pm$ 0.027 χ^2 /NDF: 3655040.2/46

All: 188.502 $\pm$ 0.018 χ^2 /NDF: 7919042.7/96

- sign 182.129 $\pm$ 0.025 χ^2 /NDF: 4122391.3/49

asym_cav4bQ_mean vs Slug



Right In: -1.546 ± 2.251 χ^2/NDF : 21.4/21

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.745 ± 2.111 χ^2/NDF : 23.9/26

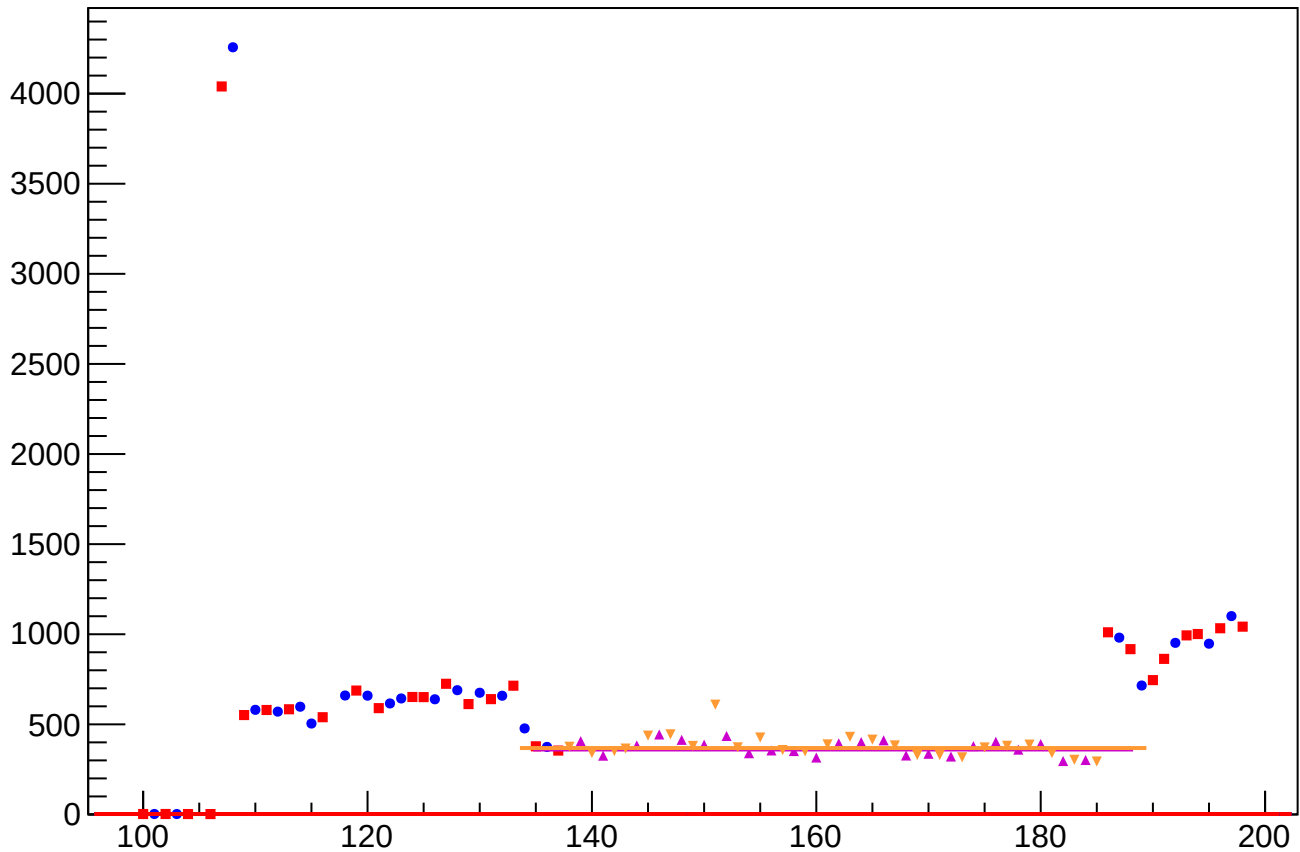
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.728 ± 2.251 χ^2/NDF : 69.5/46

All: -1.217 ± 1.540 χ^2/NDF : 113.9/96

- sign -0.768 ± 2.110 χ^2/NDF : 44.2/49

asym_cav4bQ_rms vs Slug



Right In: 2.472 $\pm$ 0.002 χ^2 /NDF: 16671839.2/21

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.459 $\pm$ 0.001 χ^2 /NDF: 21015555.1/26

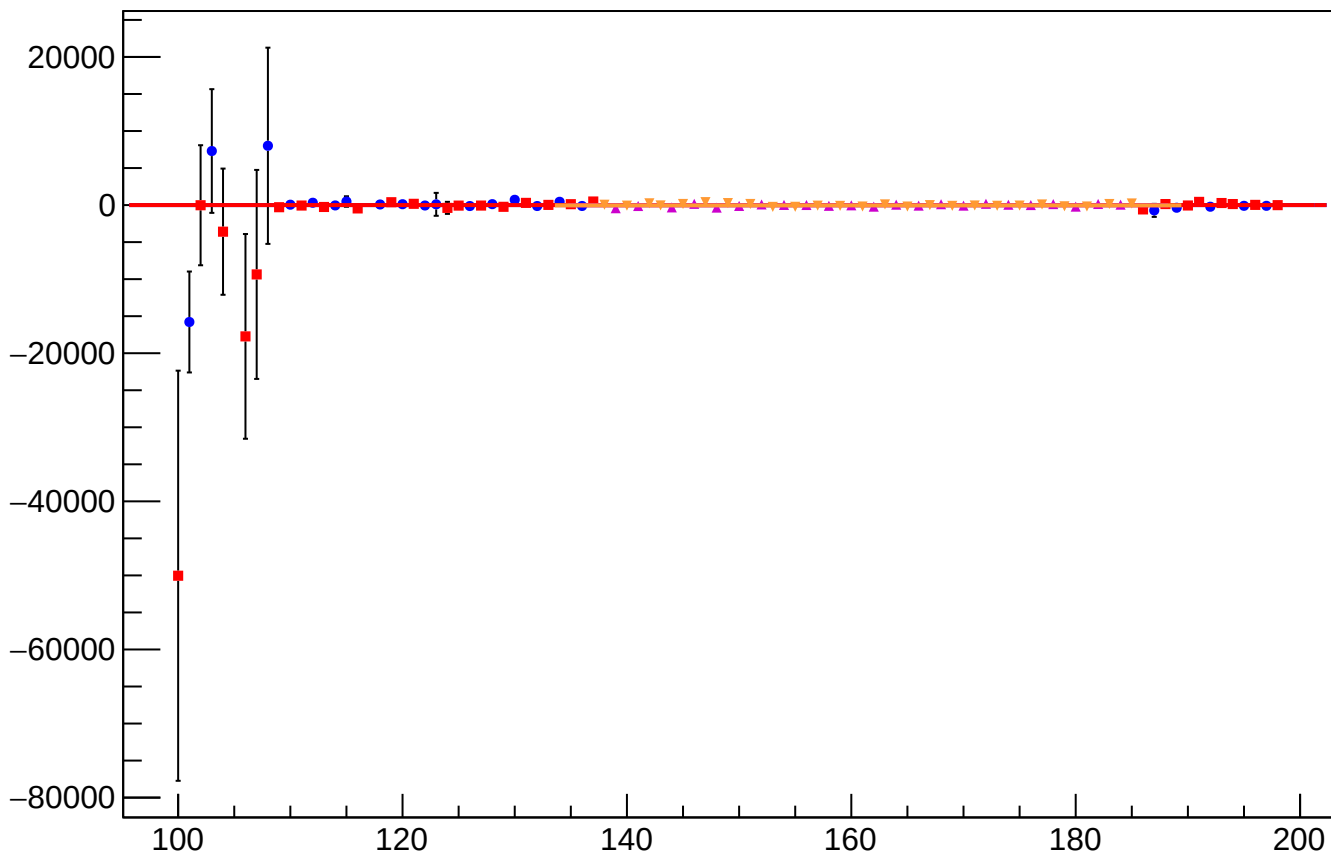
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.718 $\pm$ 0.002 χ^2 /NDF: 52779000.5/46

All: 2.691 $\pm$ 0.001 χ^2 /NDF: 107721086.6/96

- sign 2.668 $\pm$ 0.001 χ^2 /NDF: 54941564.1/49

asym_cav4cQ_mean vs Slug



Right In: 1.591 ± 70.539 χ^2/NDF : 15.6/21

Left Out: -39.036 ± 49.576 χ^2/NDF : 9.1/24

Right Out: 1.165 ± 63.410 χ^2/NDF : 16.8/26

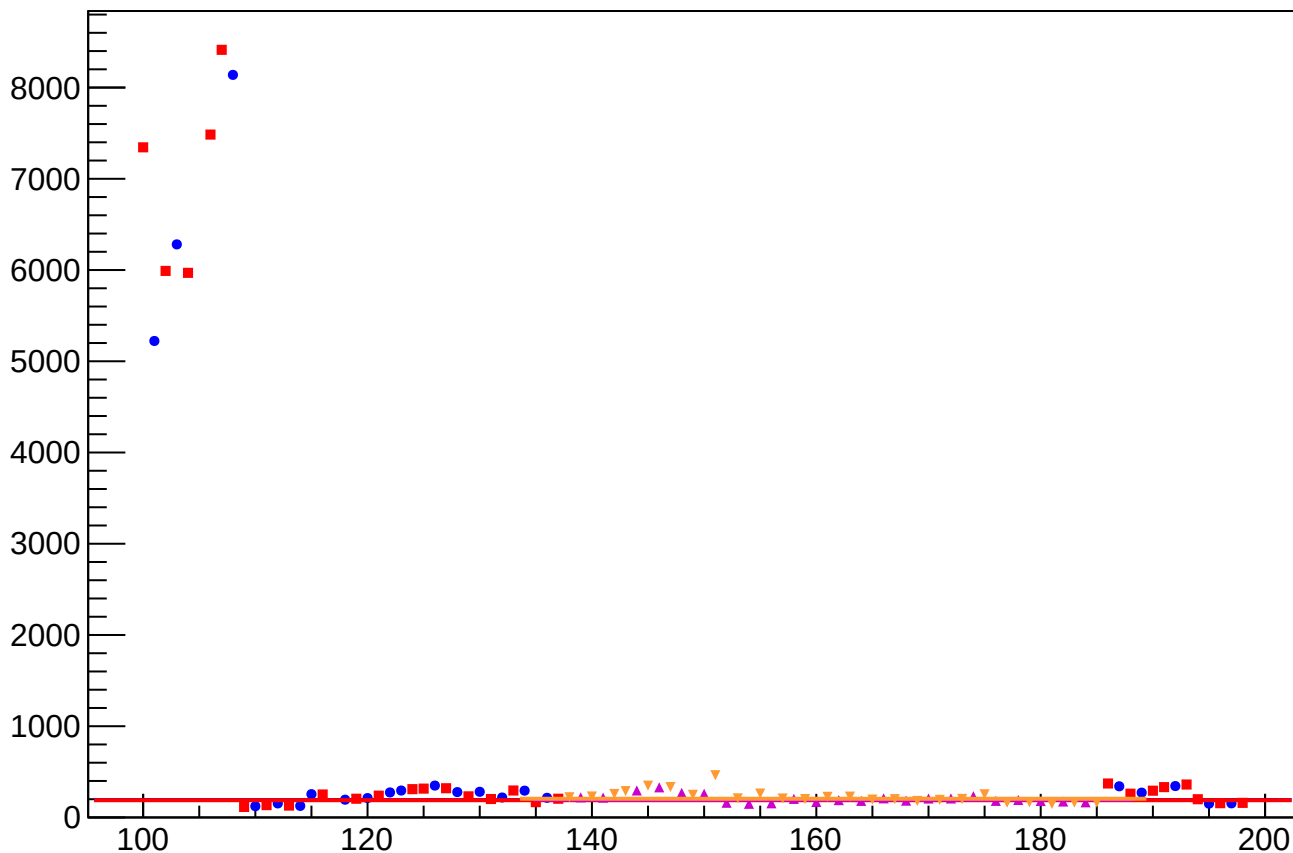
Left In: -28.062 ± 48.032 χ^2/NDF : 9.6/22

+ sign -25.603 ± 40.560 χ^2/NDF : 25.0/46

All: -21.268 ± 27.842 χ^2/NDF : 51.5/96

- sign -17.406 ± 38.288 χ^2/NDF : 26.5/49

asym_cav4cQ_rms vs Slug



Right In: 191.074 $\pm$ 0.050 χ^2 /NDF: 4401330.6/21

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF:1957484.4/24

Right Out: 189.241 $\pm$ 0.045 χ^2 /NDF: 5288868.1/26

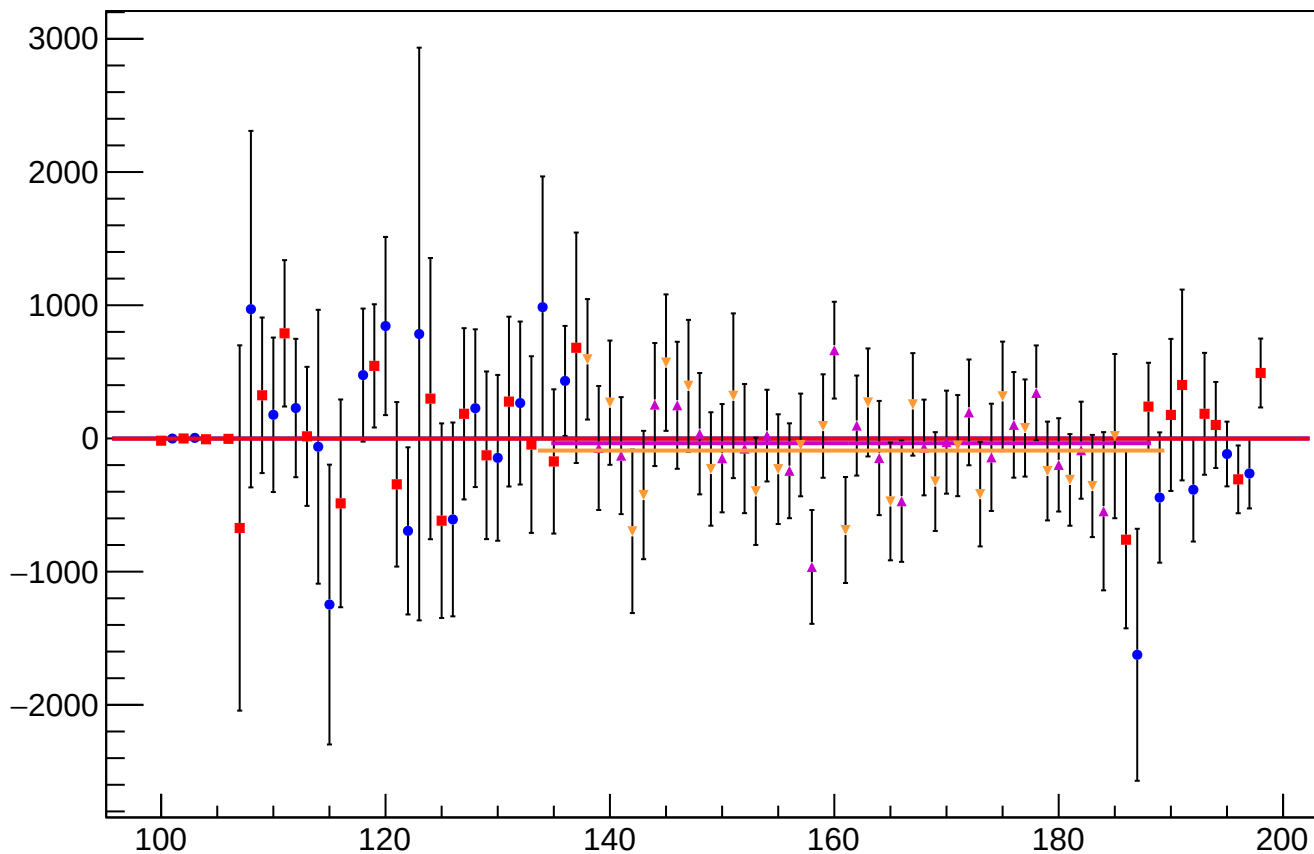
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 200.472 $\pm$ 0.029 χ^2 /NDF: 6411850.5/46

All: 196.003 $\pm$ 0.020 χ^2 /NDF: 12932151.0/96

- sign 192.021 $\pm$ 0.027 χ^2 /NDF: 6474390.1/49

asym_cav4dQ_mean vs Slug



Right In: -0.177 ± 1.736 χ^2/NDF : 16.1/21

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.306 ± 1.622 χ^2/NDF : 16.9/26

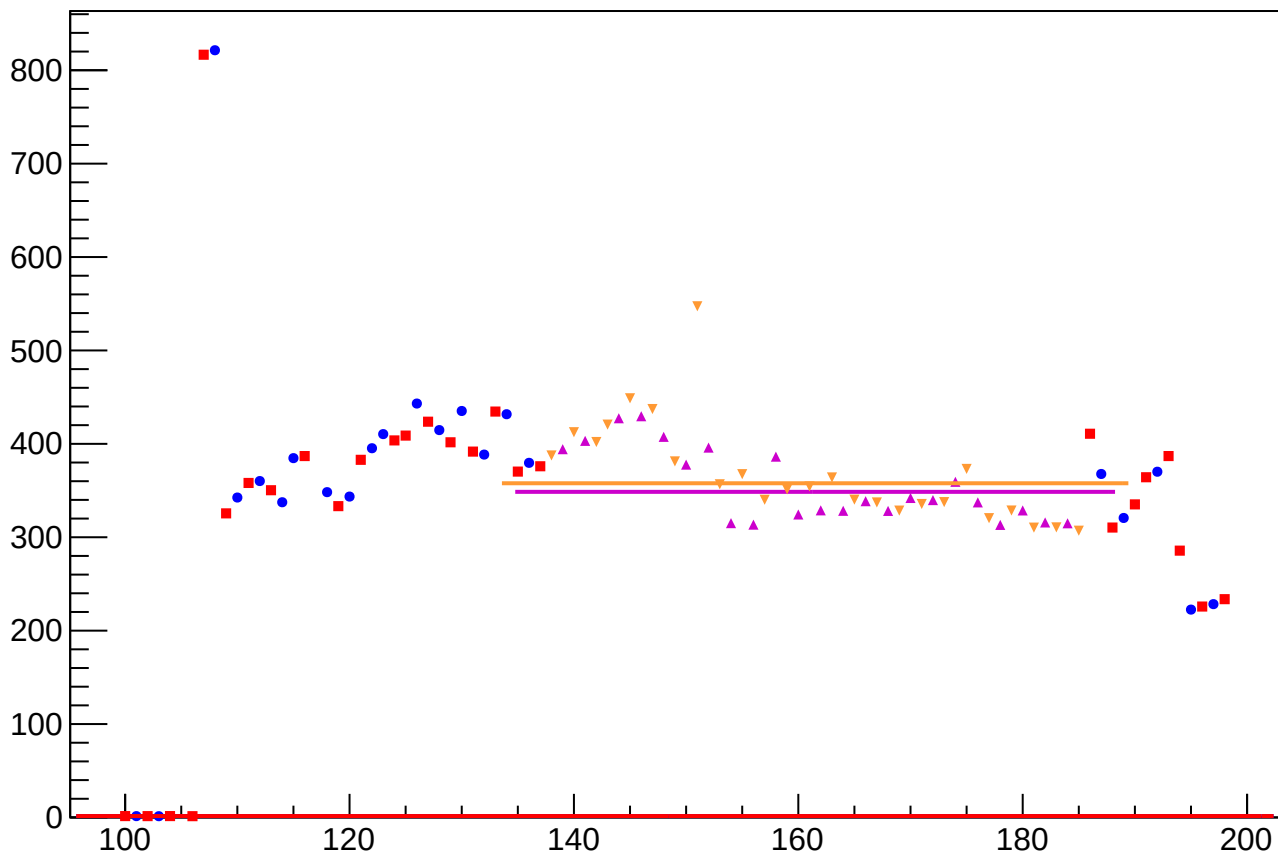
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.216 ± 1.736 χ^2/NDF : 33.7/46

All: -0.805 ± 1.185 χ^2/NDF : 64.4/96

- sign -1.319 ± 1.622 χ^2/NDF : 30.5/49

asym_cav4dQ_rms vs Slug



Right In: 1.486+/-0.001 χ^2/NDF : 16870769.3/21

Left Out: 357.804+/-0.059 χ^2/NDF : 547036.5/24

Right Out: 1.496+/-0.001 χ^2/NDF : 20682526.5/26

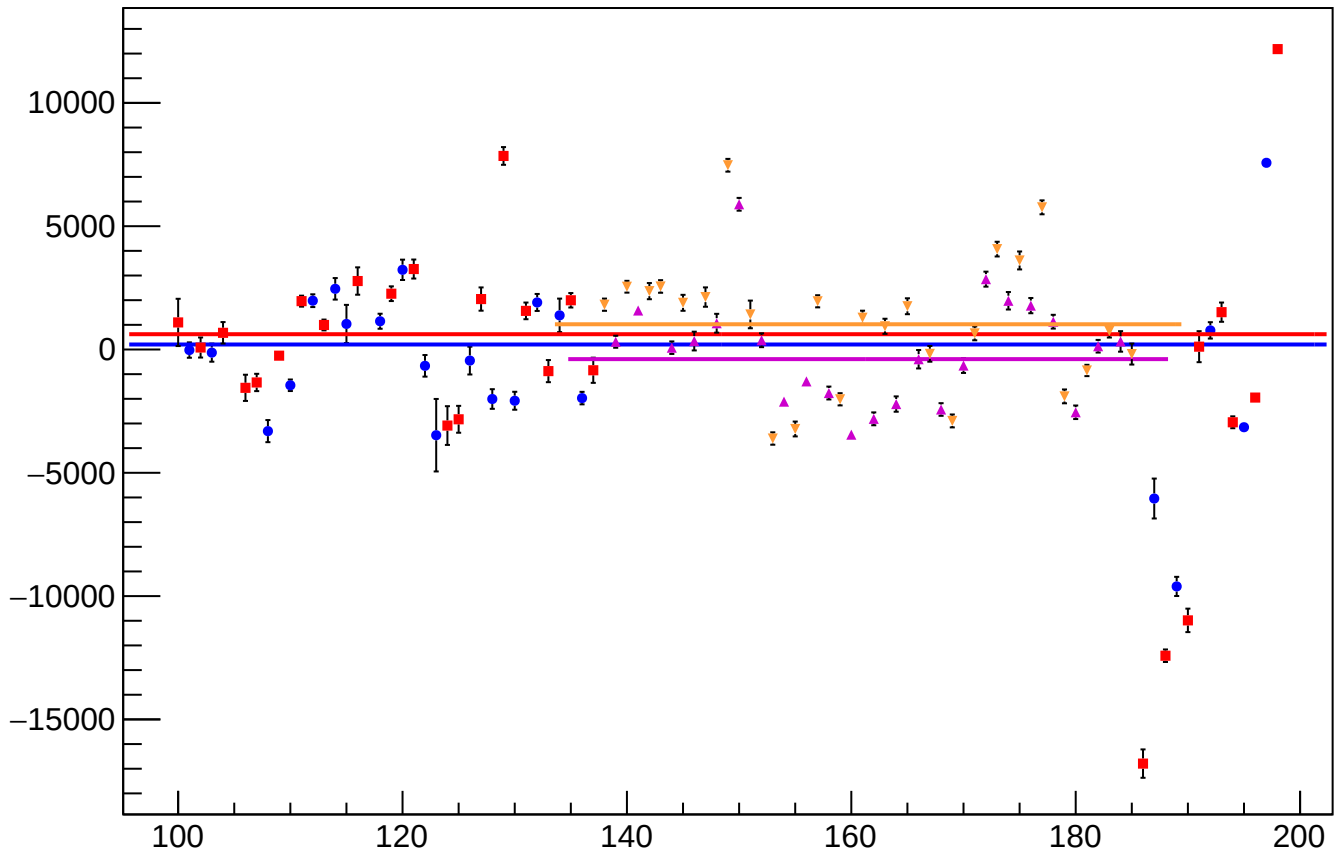
Left In: 348.611+/-0.060 χ^2/NDF : 362511.2/22

+ sign 1.638+/-0.001 χ^2/NDF : 53322448.4/46

All: 1.630+/-0.001 χ^2/NDF : 108198474.9/96

- sign 1.624+/-0.001 χ^2/NDF : 54875959.1/49

asym_bcm0l02_mean vs Slug



Right In: 203.052 $\pm$ 69.594 χ^2 /NDF: 3084.0/21

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF:2309.4/24

Right Out: 620.169 $\pm$ 60.535 χ^2 /NDF: 9441.2/26

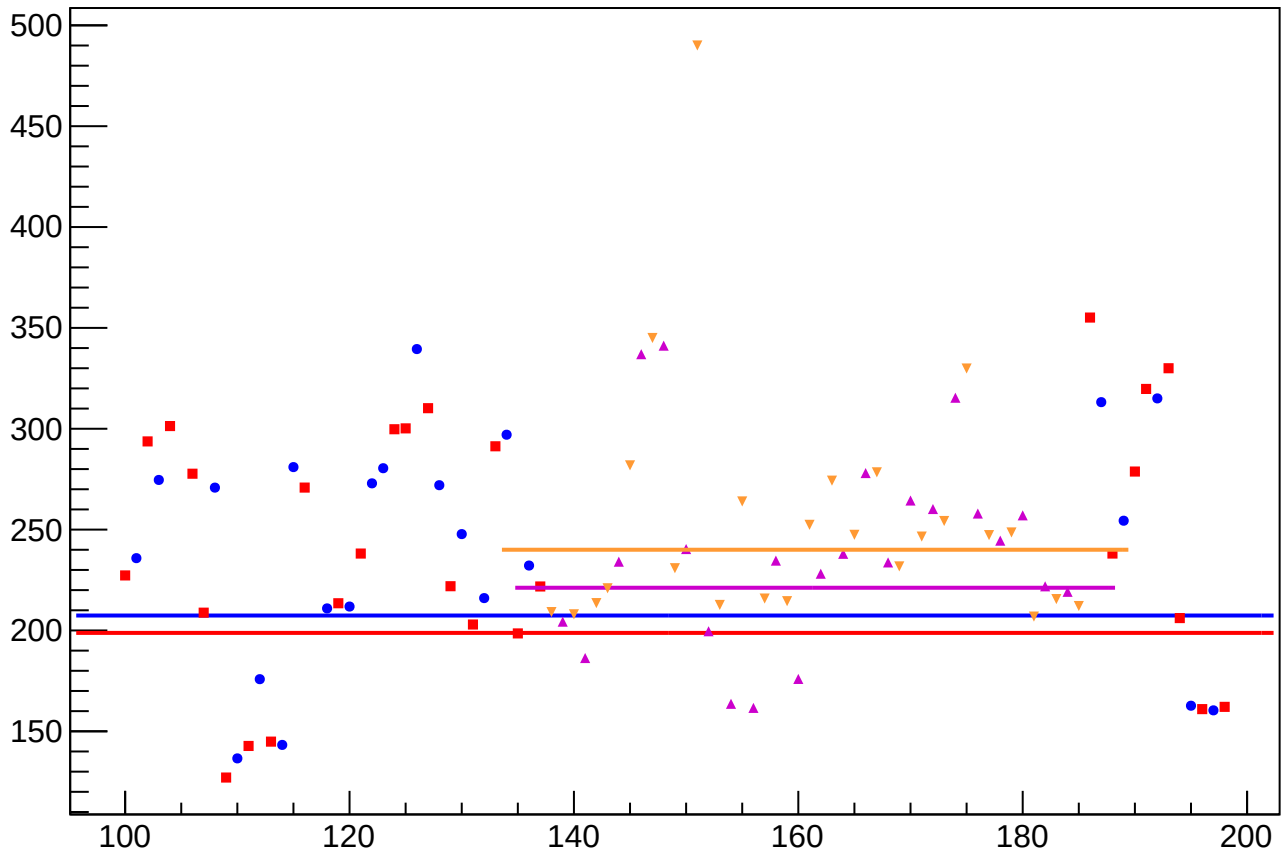
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF:1584.9/22

+ sign 691.726 $\pm$ 44.253 χ^2 /NDF: 5476.1/46

All: 352.606 $\pm$ 29.948 χ^2 /NDF: 16763.4/96

- sign 66.044 $\pm$ 40.679 χ^2 /NDF: 11178.9/49

asym_bcm0l02_rms vs Slug



Right In: 207.406+/-0.049 χ^2/NDF : 1220860.8/21

Left Out: 240.019+/-0.041 χ^2/NDF :1002427.9/24

Right Out: 198.790+/-0.043 χ^2/NDF : 1915053.8/26

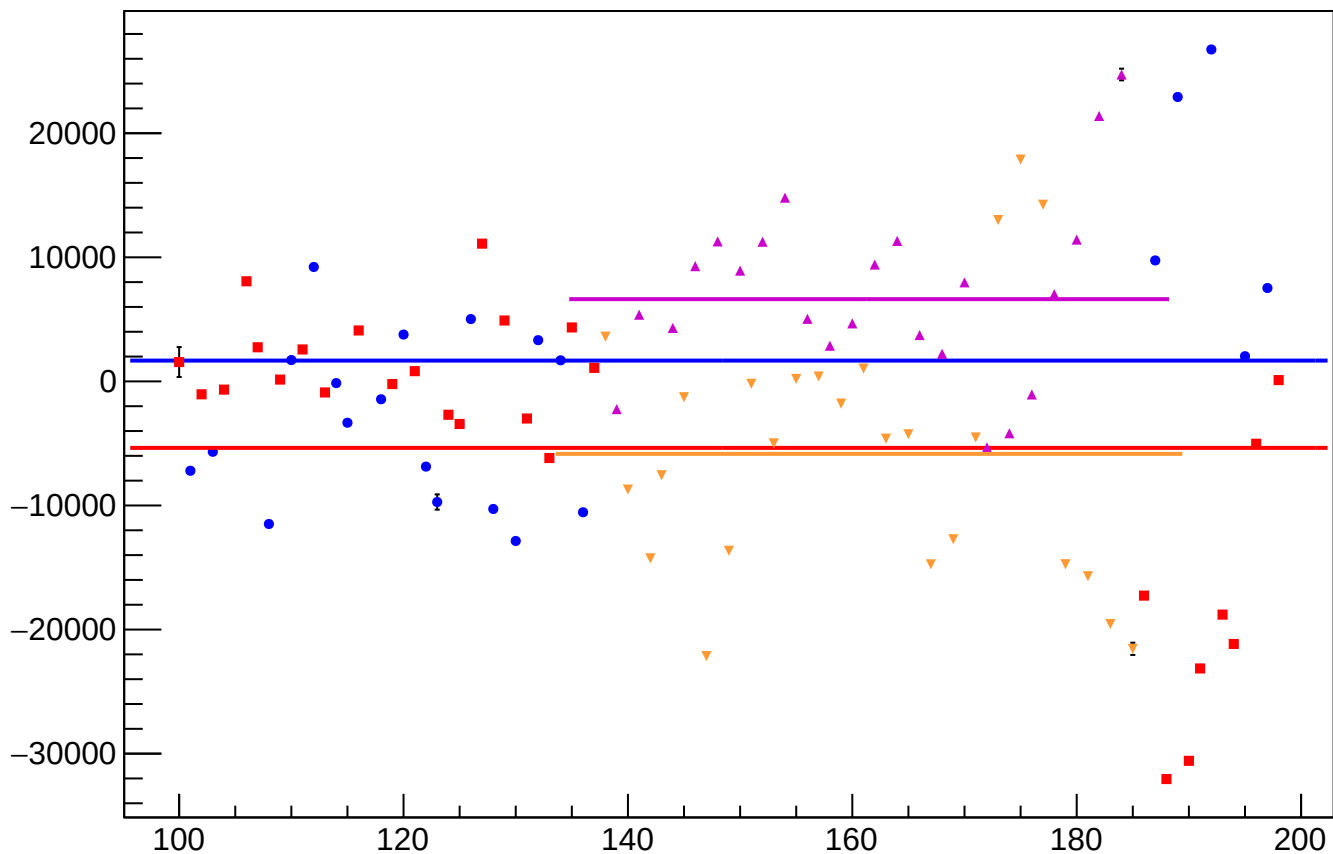
Left In: 221.173+/-0.039 χ^2/NDF :1342517.8/22

+ sign 226.832+/-0.031 χ^2/NDF : 2484908.0/46

All: 218.286+/-0.021 χ^2/NDF : 6030050.9/96

- sign 211.065+/-0.029 χ^2/NDF : 3407526.9/49

asym_bpm2i01WS_mean vs Slug



Right In: 1676.735 $\pm$ 41.579 χ^2 /NDF: 71256.2/21

Left Out: -5841.615 $\pm$ 35.848 χ^2 /NDF:63397.3/24

Right Out: -5357.376 $\pm$ 37.268 χ^2 /NDF: 101009.4/26

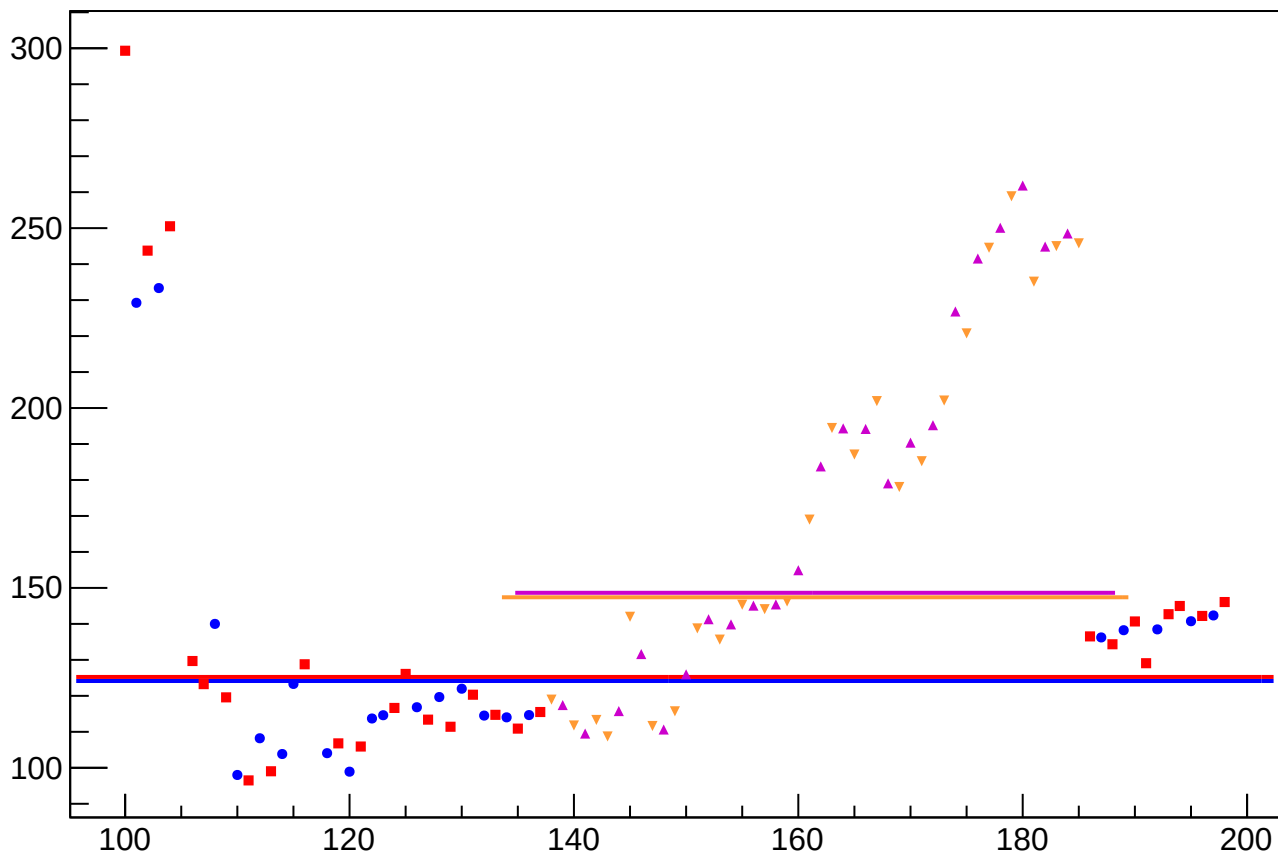
Left In: 6628.388 $\pm$ 37.160 χ^2 /NDF:21738.0/22

+ sign -2635.979 $\pm$ 27.150 χ^2 /NDF: 153408.4/46

All: -940.144 $\pm$ 18.896 χ^2 /NDF: 335588.7/96

- sign 652.848 $\pm$ 26.314 χ^2 /NDF: 174614.1/49

asym_bpm2i01WS_rms vs Slug



Right In: 124.126+/-0.029 χ^2/NDF : 744506.7/21

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 125.254+/-0.026 χ^2/NDF : 884415.3/26

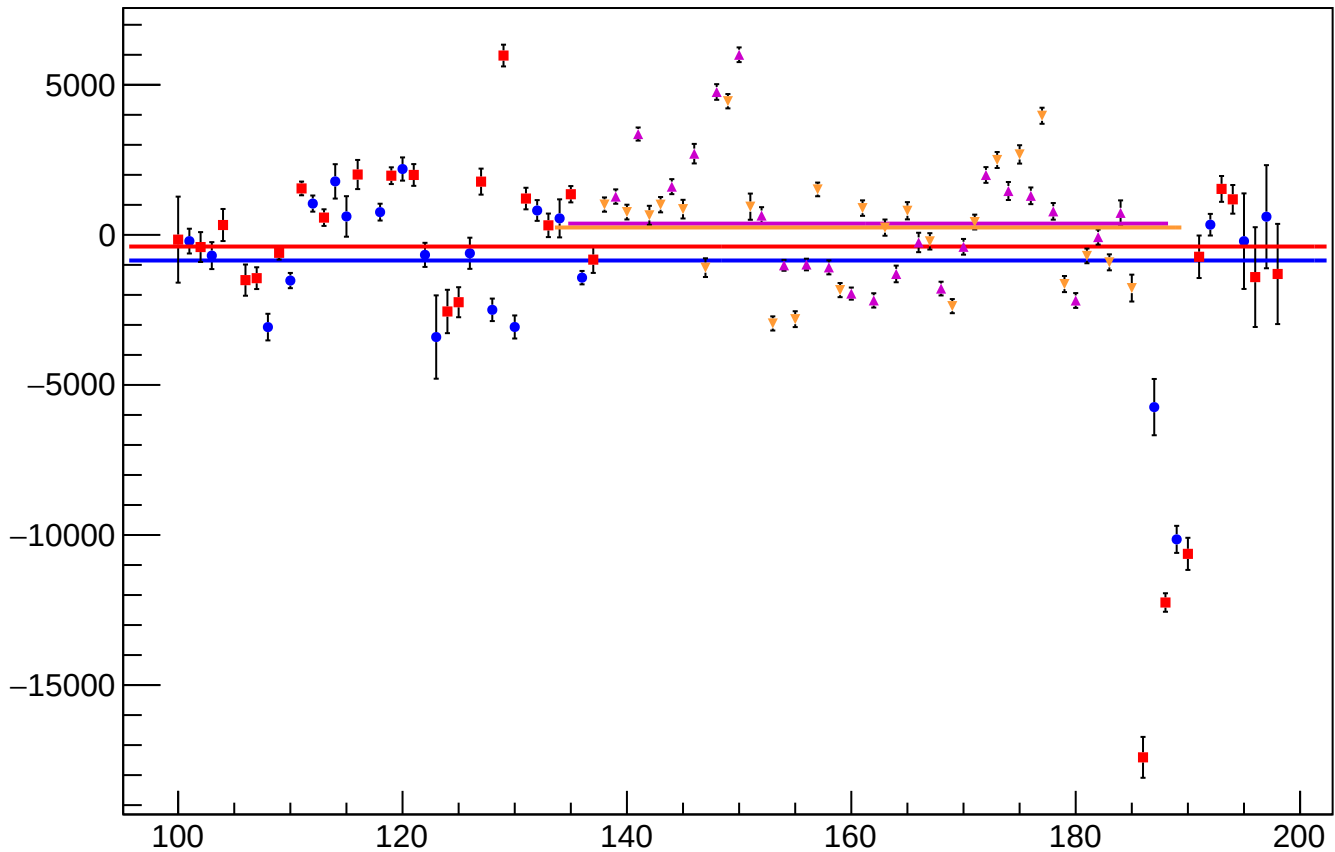
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 137.474+/-0.019 χ^2/NDF : 3620943.9/46

All: 137.221+/-0.013 χ^2/NDF : 7316200.0/96

- sign 136.982+/-0.019 χ^2/NDF : 3694917.2/49

asym_bpm0i07WS_mean vs Slug



Right In: -853.736 ± 84.634 χ^2/NDF : 760.3/21

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -388.470 ± 75.286 χ^2/NDF : 3160.8/26

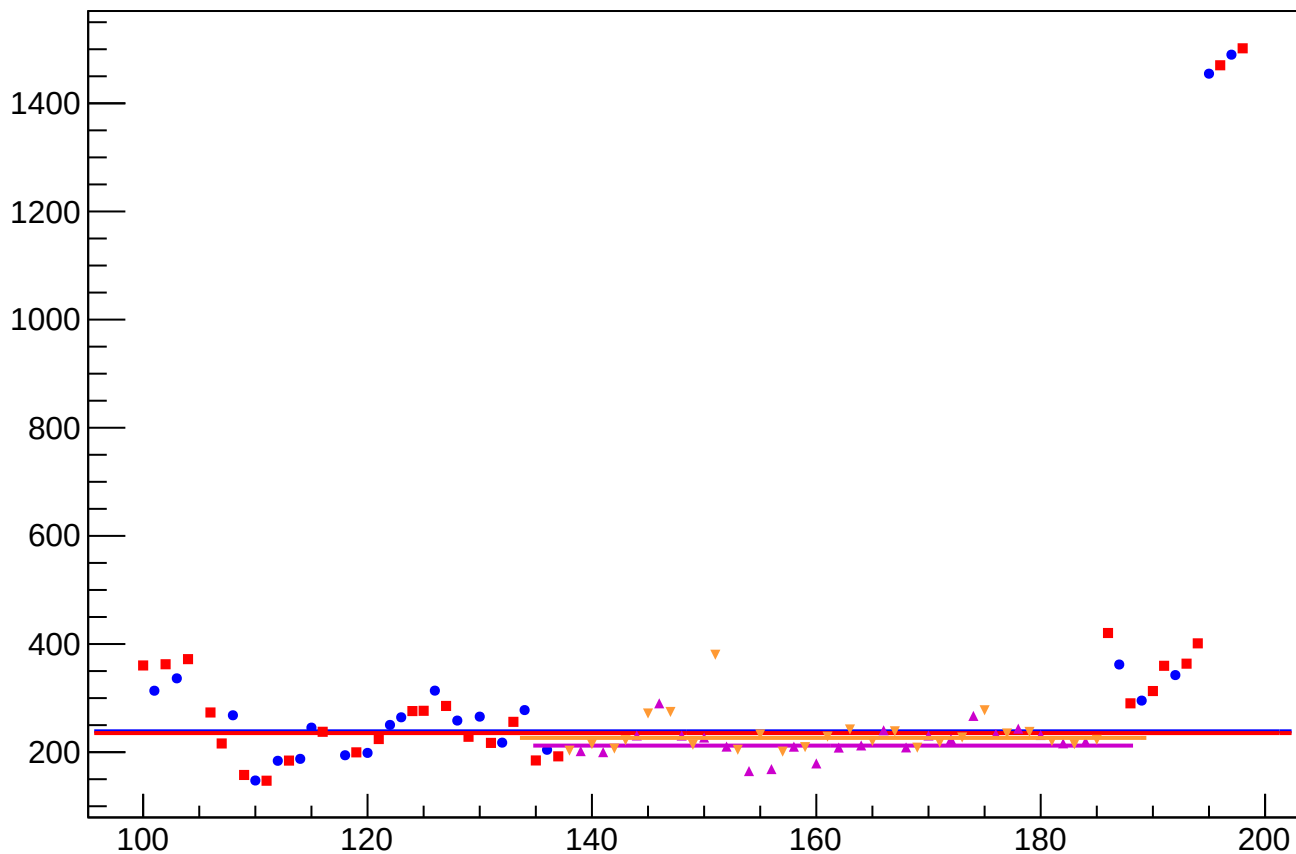
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -67.826 ± 45.217 χ^2/NDF : 2235.8/46

All: 36.021 ± 31.055 χ^2/NDF : 7274.4/96

- sign 128.741 ± 42.726 χ^2/NDF : 5028.7/49

asym_bpm0i07WS_rms vs Slug



Right In: 238.566+/-0.060 χ^2/NDF : 3179718.3/21

Left Out: 226.376+/-0.038 χ^2/NDF : 521770.1/24

Right Out: 235.292+/-0.053 χ^2/NDF : 4066615.7/26

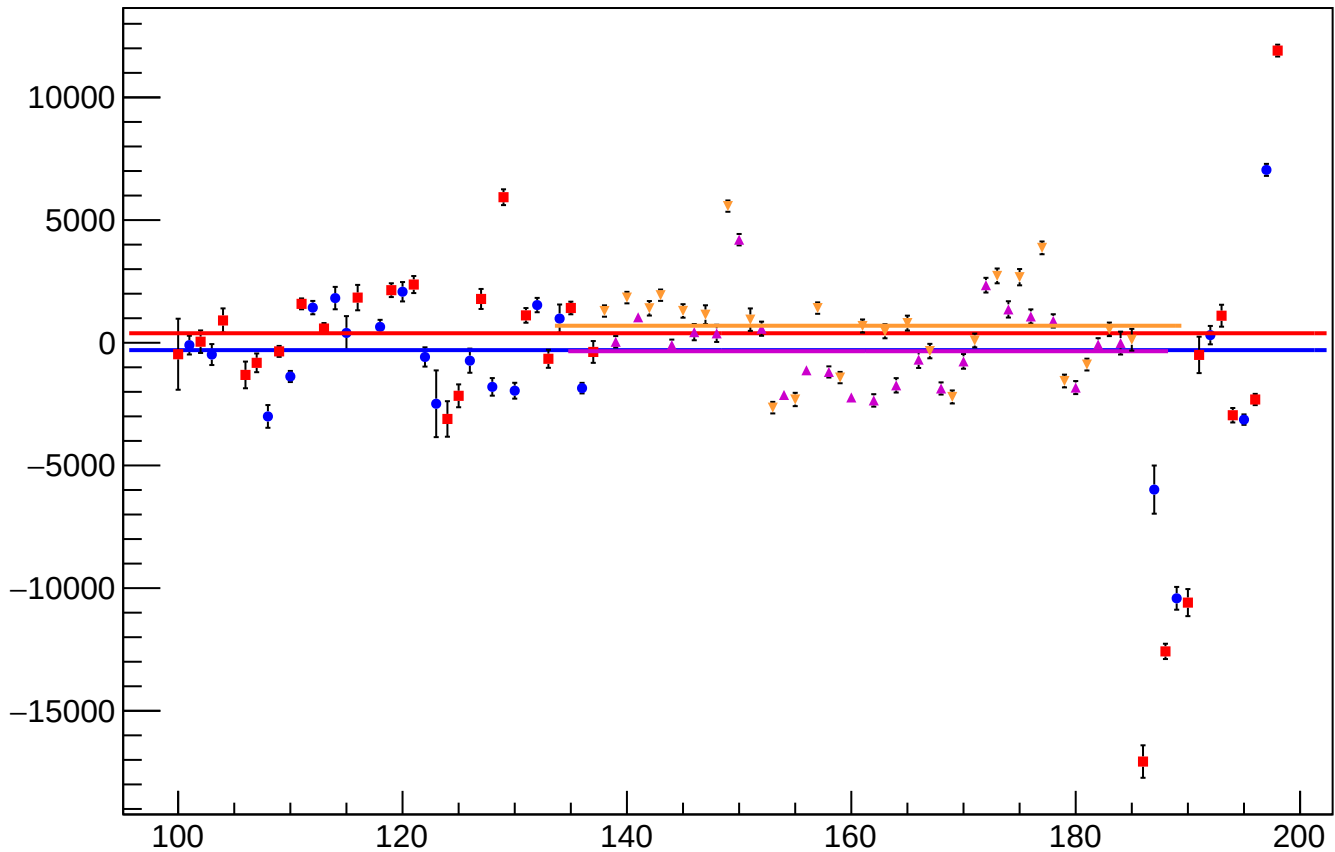
Left In: 212.145+/-0.037 χ^2/NDF : 591698.6/22

+ sign 229.855+/-0.032 χ^2/NDF : 3731138.4/46

All: 224.437+/-0.022 χ^2/NDF : 8571969.6/96

- sign 219.600+/-0.030 χ^2/NDF : 4786482.3/49

asym_bpm0l01WS_mean vs Slug



Right In: -299.855 ± 72.233 χ^2/NDF : 1897.9/21

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: 387.985 ± 65.104 χ^2/NDF : 5905.5/26

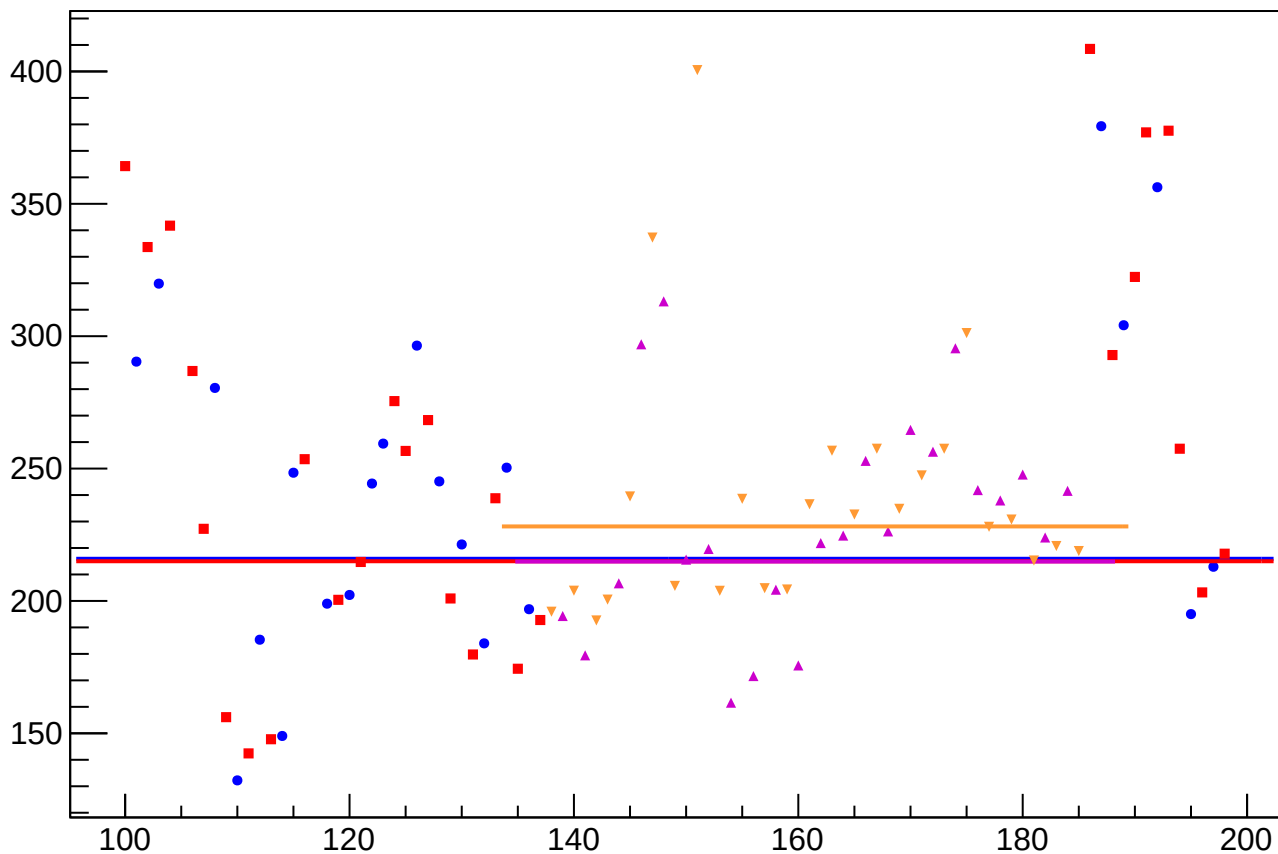
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 335.815 ± 43.377 χ^2/NDF : 3441.1/46

All: 130.901 ± 29.827 χ^2/NDF : 10450.2/96

- sign -52.896 ± 41.081 χ^2/NDF : 6966.8/49

asym_bpm0l01WS_rms vs Slug



Right In: 215.923+/-0.051 χ^2/NDF : 1142736.8/21

Left Out: 228.144+/-0.038 χ^2/NDF : 828399.3/24

Right Out: 214.995+/-0.046 χ^2/NDF : 1813587.8/26

Left In: 214.878+/-0.037 χ^2/NDF : 1037509.6/22

+ sign 223.737+/-0.031 χ^2/NDF : 2007738.6/46

All: 219.091+/-0.021 χ^2/NDF : 4902352.9/96

- sign 214.925+/-0.029 χ^2/NDF : 2851101.3/49

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

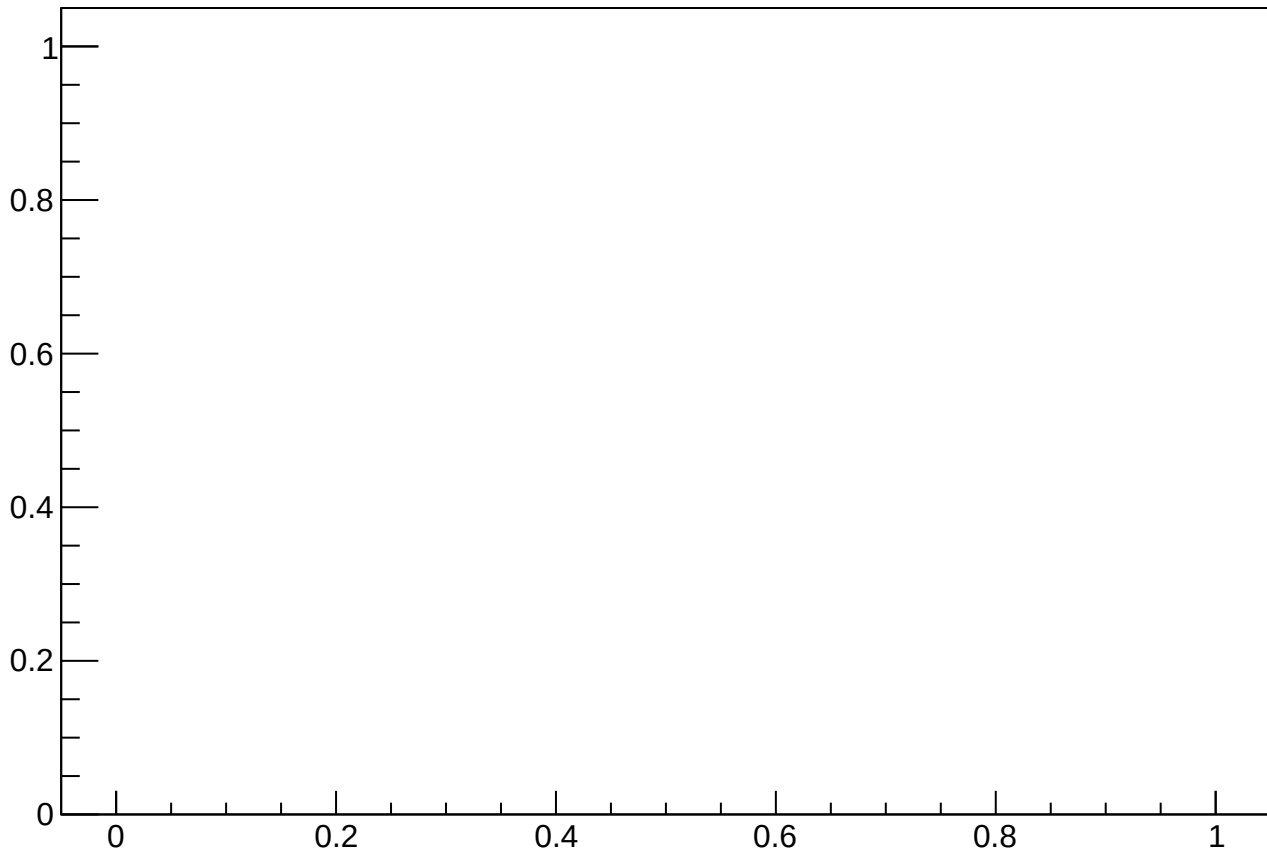
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

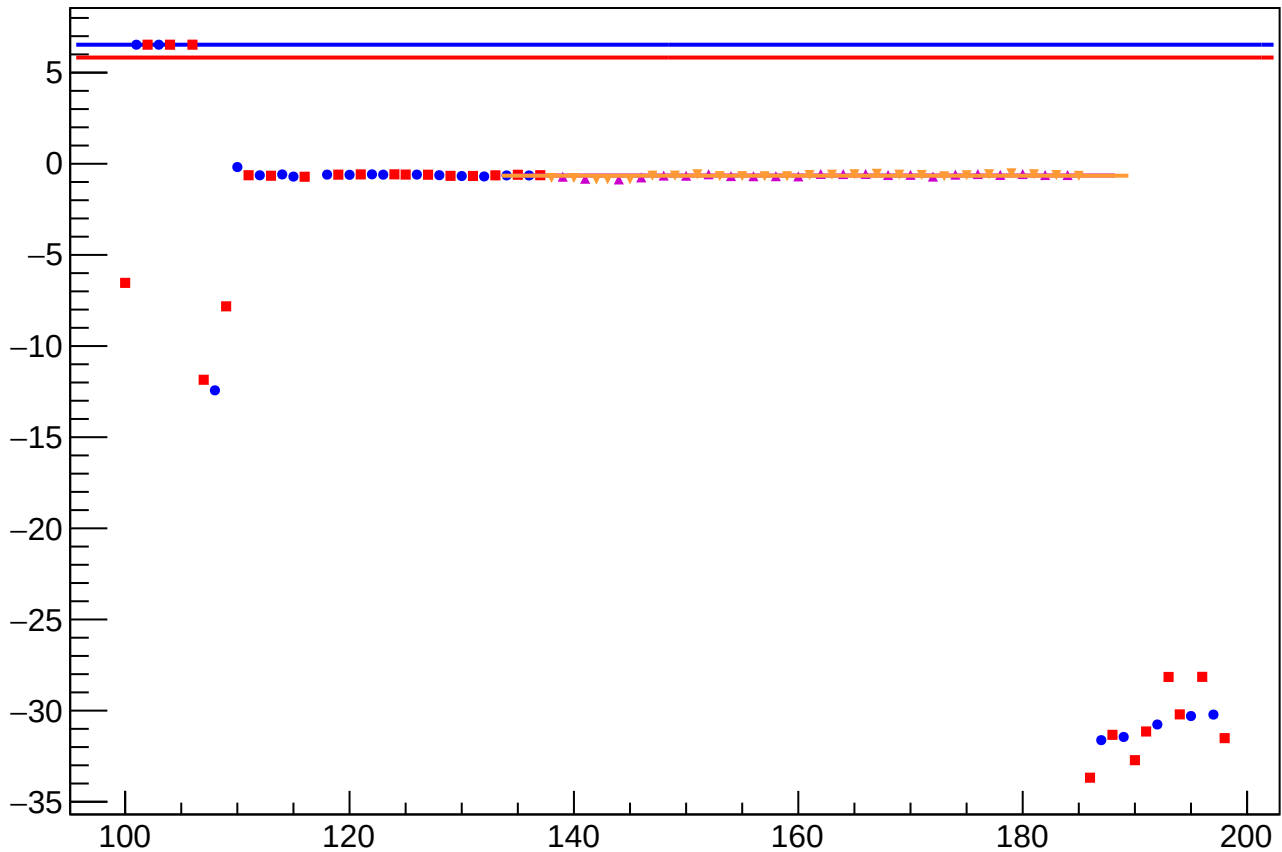
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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+/-0.000 χ^2/NDF : 127804653317.5/21

Left Out: -0.654+/-0.000 χ^2/NDF : 179069954.8/24

Right Out: 5.827+/-0.000 χ^2/NDF : 755962251655670.0/26

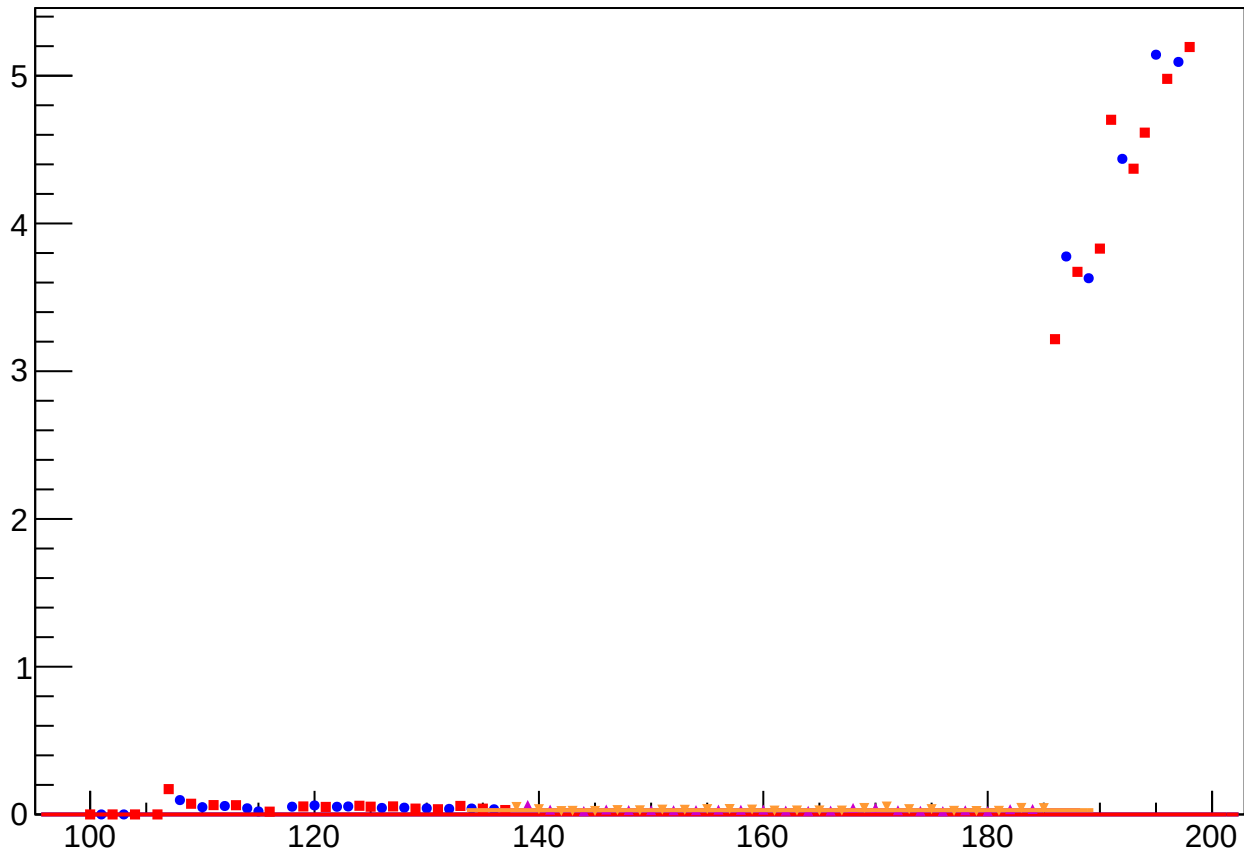
Left In: -0.643+/-0.000 χ^2/NDF : 123743747.1/22

+ sign 6.530+/-0.000 χ^2/NDF : 1001644160329.3/46

All: 6.153+/-0.000 χ^2/NDF : 77762745339847

- sign 5.826+/-0.000 χ^2/NDF : 756640714793689.9/26

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14849261.4/21

Left Out: 0.029+/-0.000 χ^2/NDF : 1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19120976.6/26

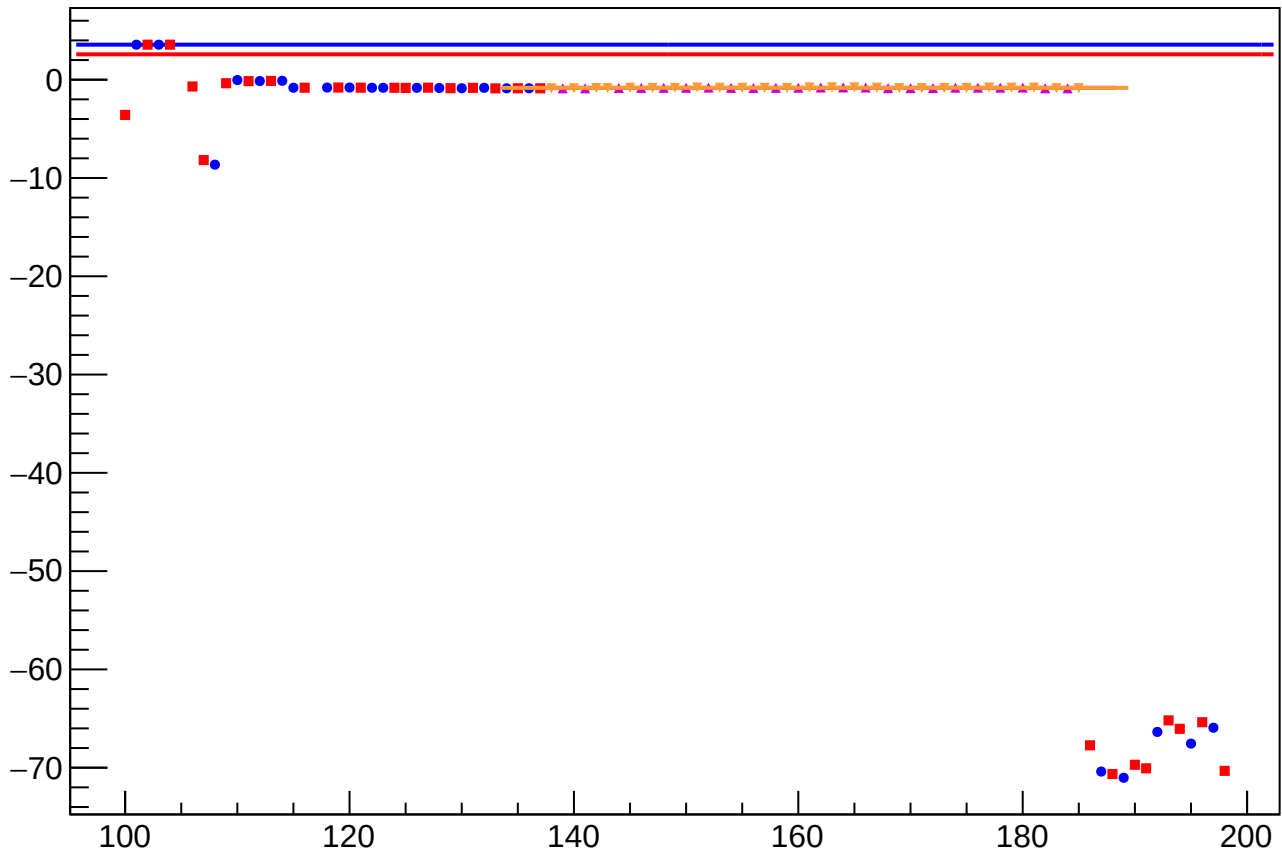
Left In: 0.029+/-0.000 χ^2/NDF : 1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 44813025.3/46

All: 0.000+/-0.000 χ^2/NDF : 92116512.1/96

- sign 0.000+/-0.000 χ^2/NDF : 47302819.6/49

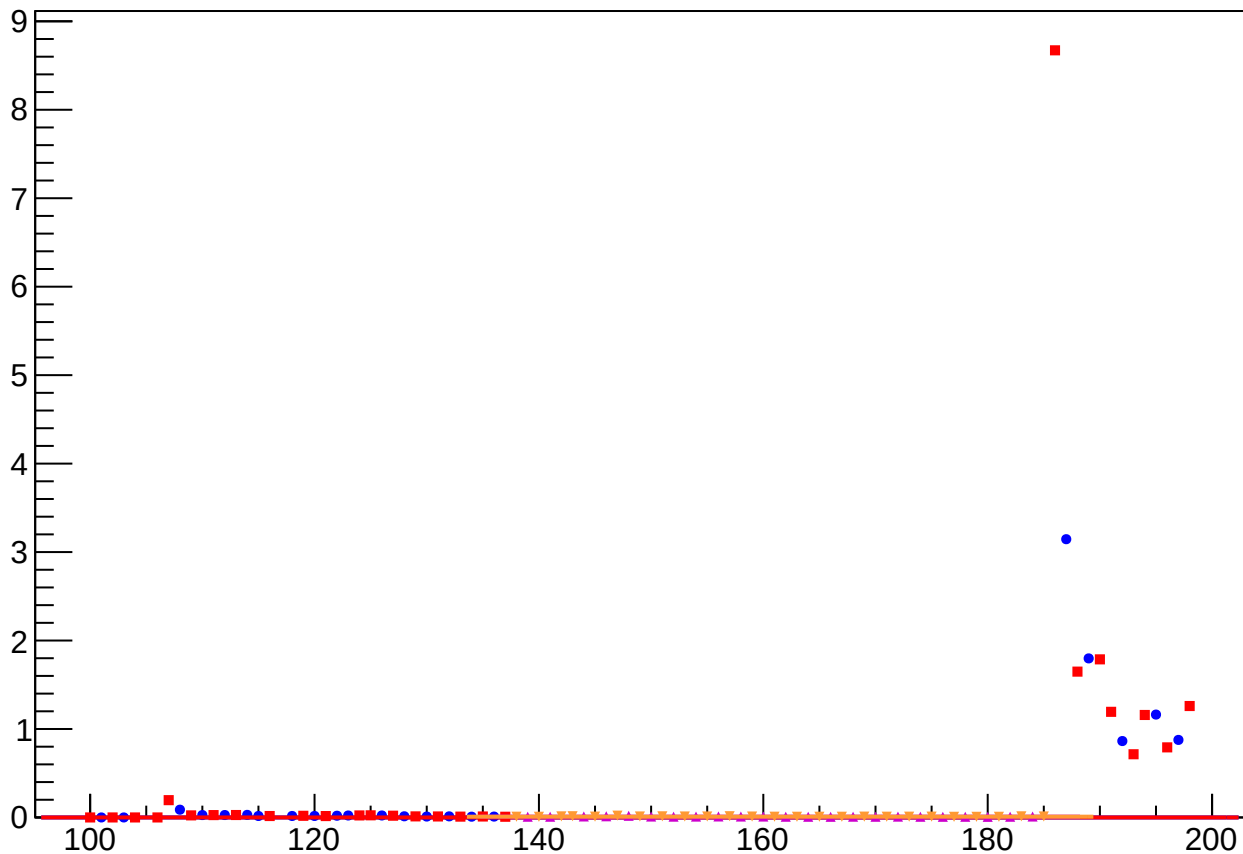
yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2 /NDF: 491500868358.9/21
 Left Out: -0.827 $\pm$ 0.000 χ^2 /NDF: 170052639.9/24
 Right Out: 2.583 $\pm$ 0.000 χ^2 /NDF: 1253519028823756.5/26
 Left In: -0.827 $\pm$ 0.000 χ^2 /NDF: 174130375.4/22

+ sign 3.560 $\pm$ 0.000 χ^2 /NDF: 4187948953978.7/46
 All: 3.038 $\pm$ 0.000 χ^2 /NDF: 1388006259599.0/46
 - sign 2.581 $\pm$ 0.000 χ^2 /NDF: 1255740122958922.0/46

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14604806.5/21

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 18286672.1/26

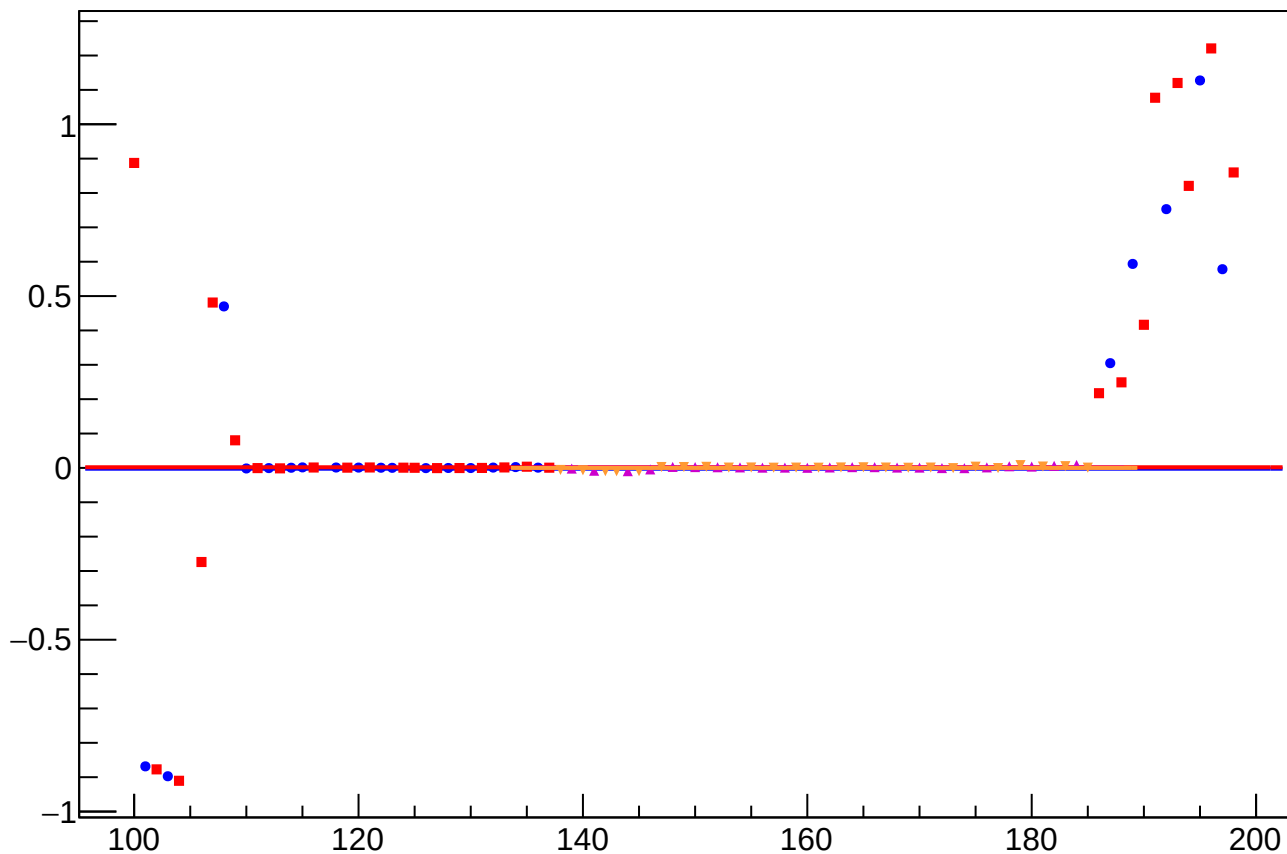
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 46113200.8/46

All: 0.000+/-0.000 χ^2/NDF : 94207592.6/96

- sign 0.000+/-0.000 χ^2/NDF : 48093316.5/49

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9795517234.9/21

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3042470255.6/26

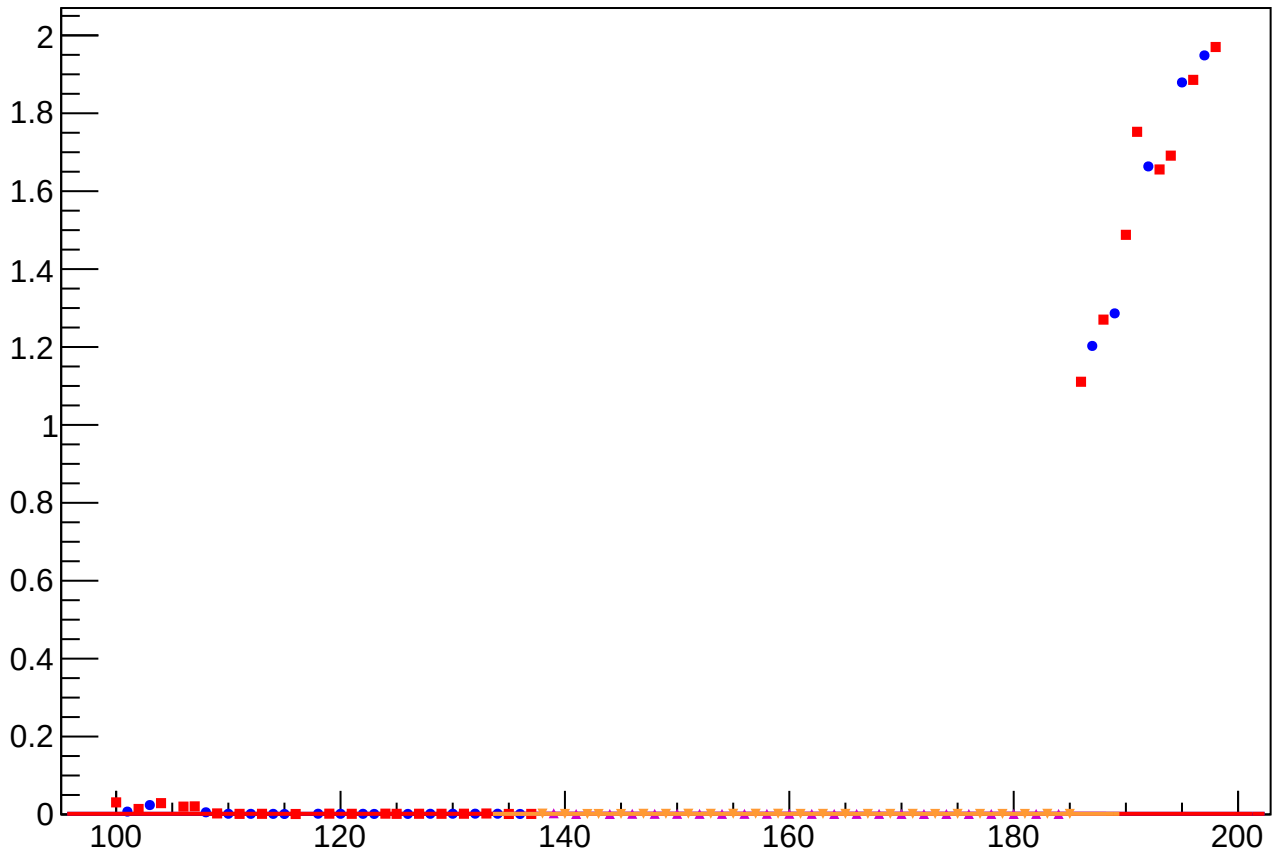
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9954039216.5/46

All: 0.000 ± 0.000 χ^2/NDF : 13107506289.7/9

- sign 0.001 ± 0.000 χ^2/NDF : 3145915495.8/49

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 7885385.7/21

Left Out: 0.001+/-0.000 χ^2/NDF : 539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 12792706.7/26

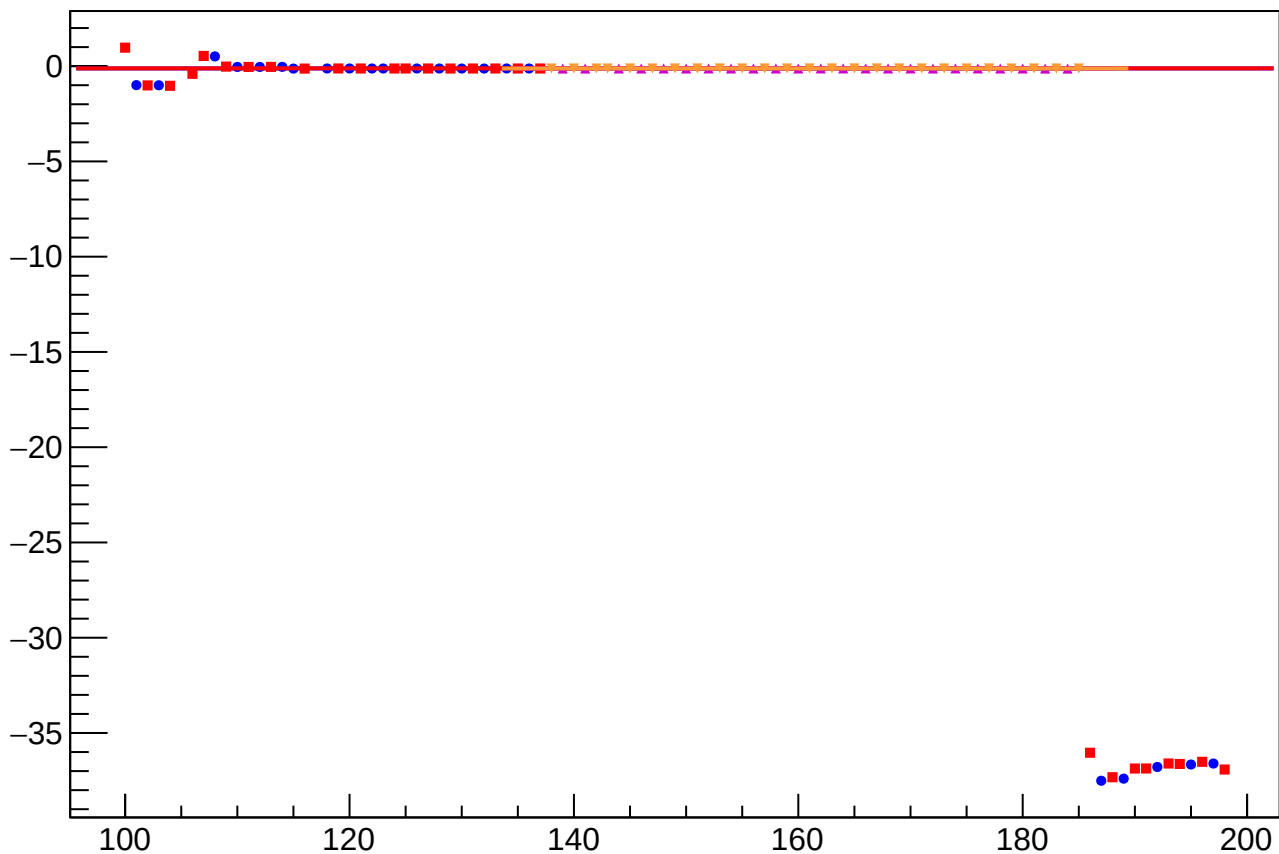
Left In: 0.001+/-0.000 χ^2/NDF : 659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 8494702.5/46

All: 0.002+/-0.000 χ^2/NDF : 22064320.0/96

- sign 0.002+/-0.000 χ^2/NDF : 13561686.4/49

yield_cav4cY_mean vs Slug



Right In: -0.121+/-0.000 χ^2/NDF : 29207211365.9/21

Left Out: -0.121+/-0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.116+/-0.000 χ^2/NDF : 43295147595.3/26

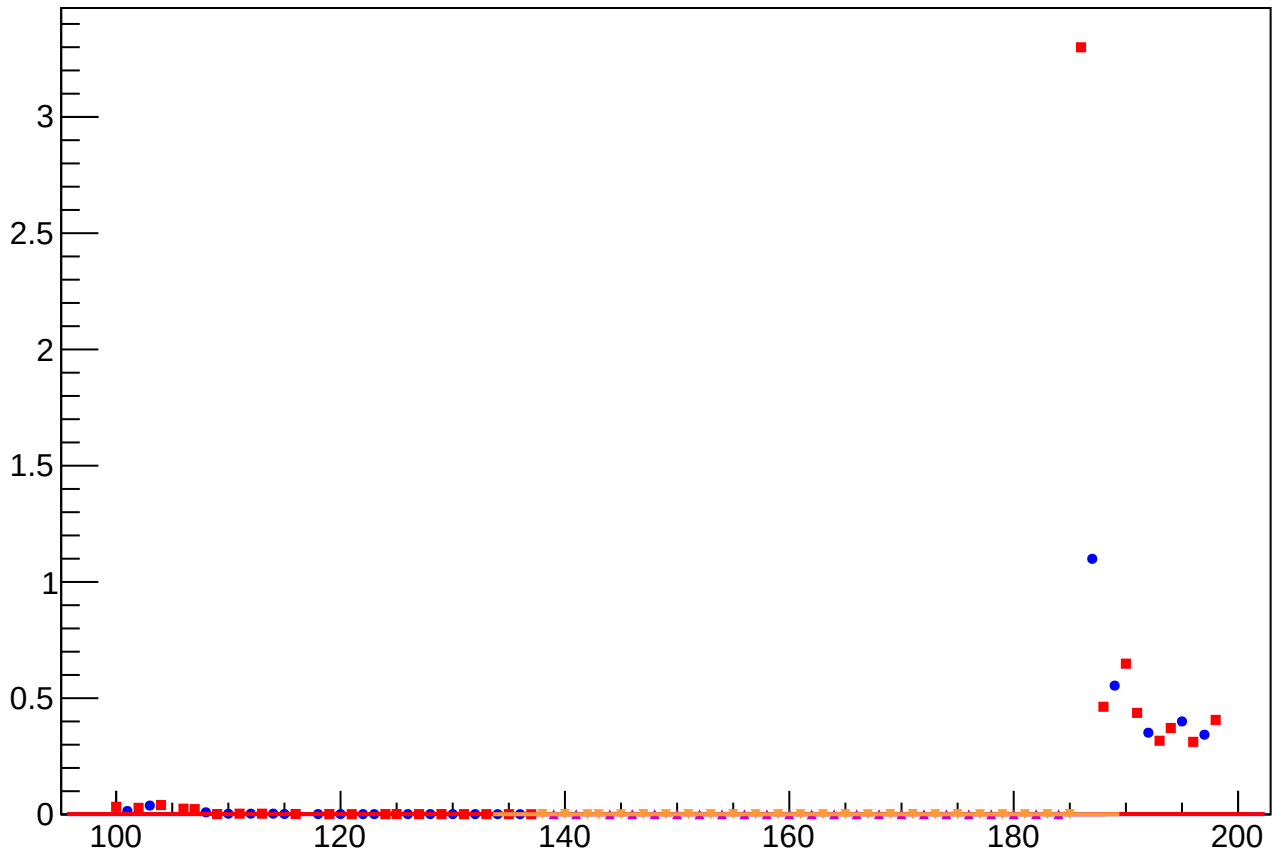
Left In: -0.121+/-0.000 χ^2/NDF : 53134323.3/22

+ sign -0.121+/-0.000 χ^2/NDF : 29265815591.9/46

All: -0.121+/-0.000 χ^2/NDF : 72659220470.1/100

- sign -0.120+/-0.000 χ^2/NDF : 43389612685.5/49

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 8522395.9/21

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 12889896.9/26

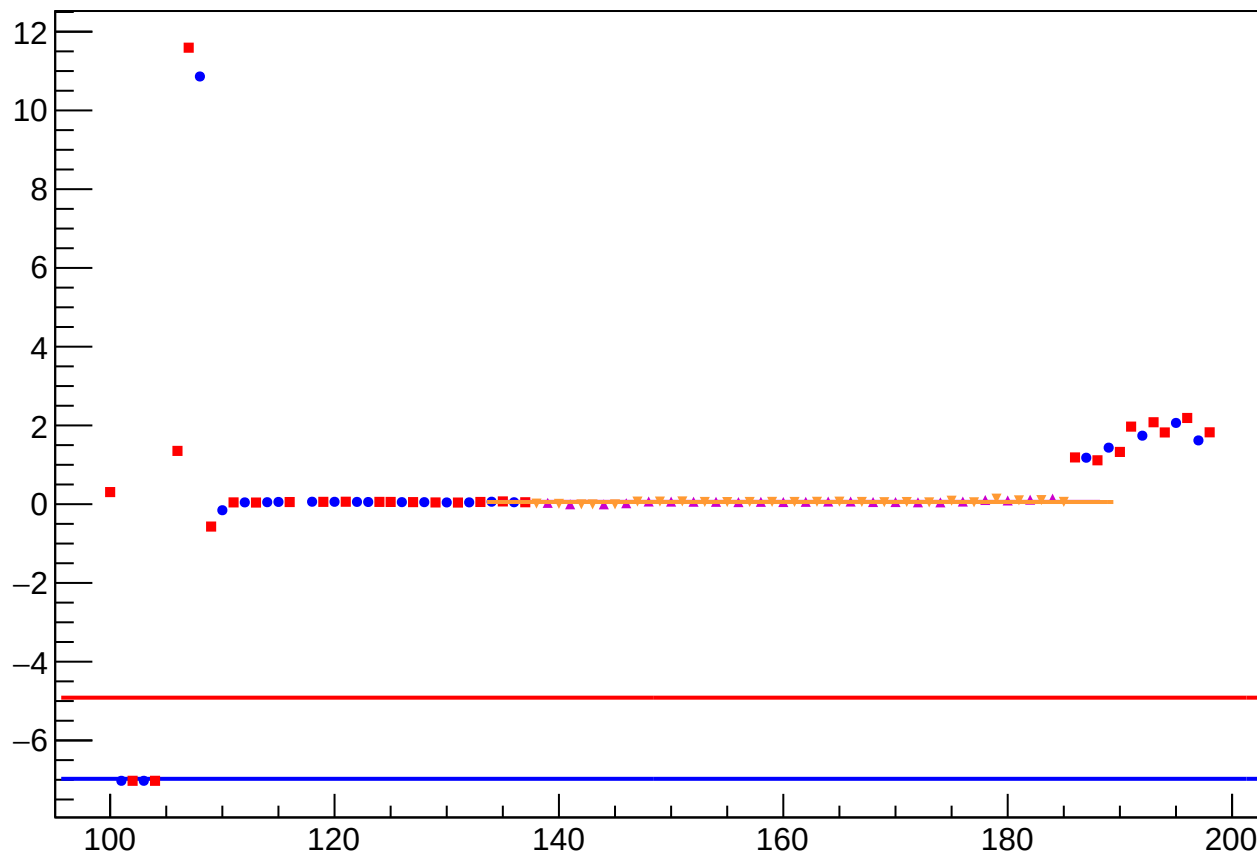
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 11055797.9/46

All: 0.001+/-0.000 χ^2/NDF : 26047188.0/96

- sign 0.001+/-0.000 χ^2/NDF : 14989306.3/49

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762551938146.4/21

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348641366017.9/26

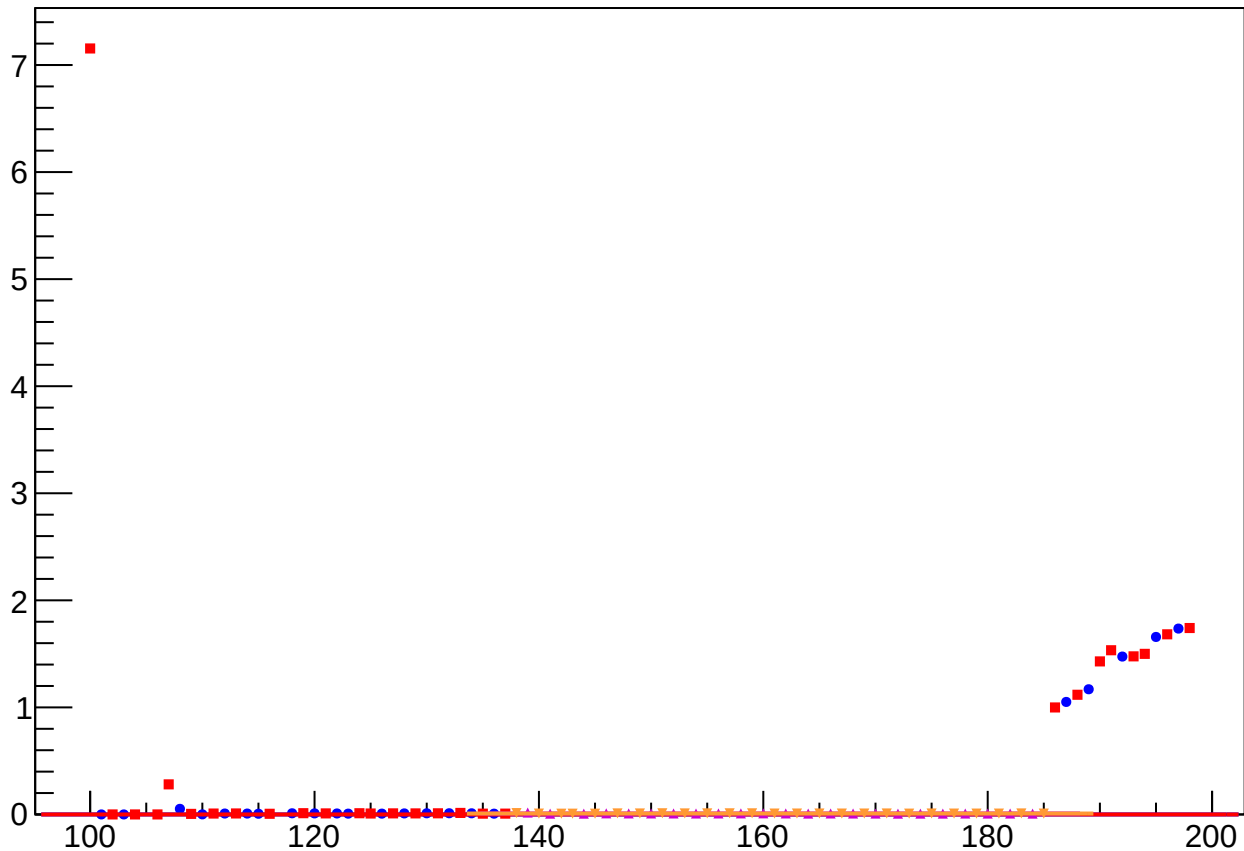
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417541402968.7/21

All: -5.858 ± 0.000 χ^2/NDF : 4435813773782.4/21

- sign -4.882 ± 0.000 χ^2/NDF : 369770932433295.4/21

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14204233.4/21

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 18545600.2/26

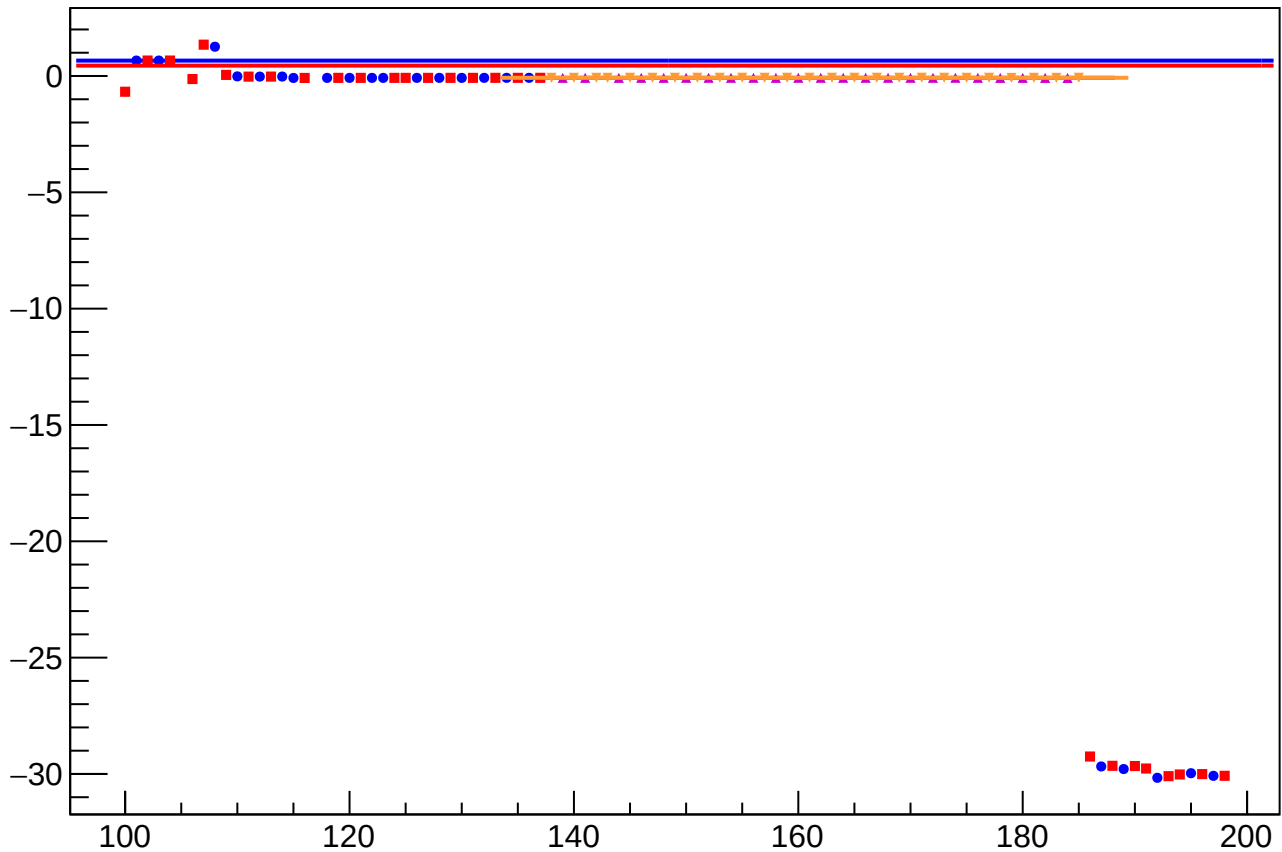
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 43191811.1/46

All: 0.000+/-0.000 χ^2/NDF : 89415734.1/96

- sign 0.000+/-0.000 χ^2/NDF : 46219483.3/49

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5609725464248.7/21

Left Out: -0.078+/-0.000 χ^2/NDF : 156525648.0/24

Right Out: 0.446+/-0.000 χ^2/NDF : 405454722876639.8/26

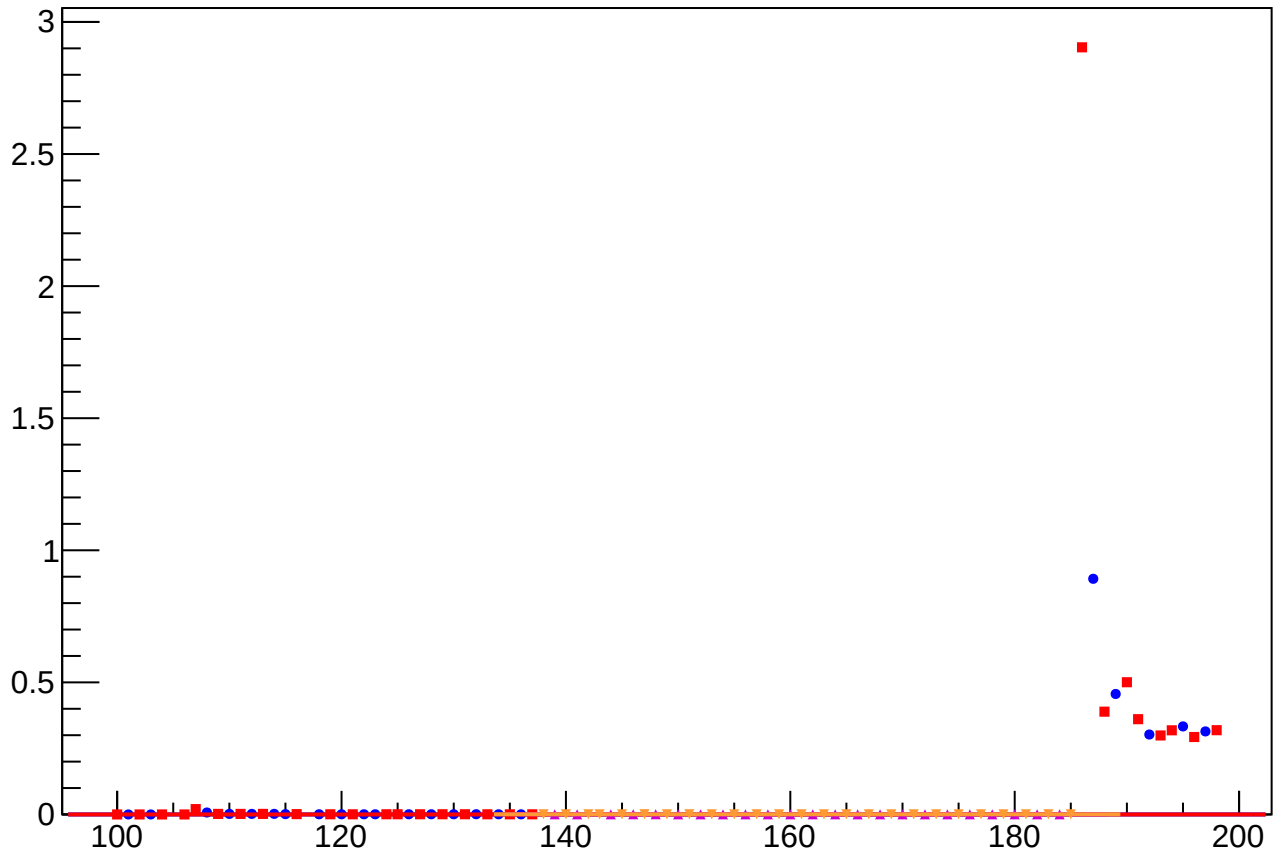
Left In: -0.077+/-0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646+/-0.000 χ^2/NDF : 35777215181657.1/4

All: 0.537+/-0.000 χ^2/NDF : 51604374574496

- sign 0.437+/-0.000 χ^2/NDF : 419686252000985.3/4

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15684972.9/21

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19077424.5/26

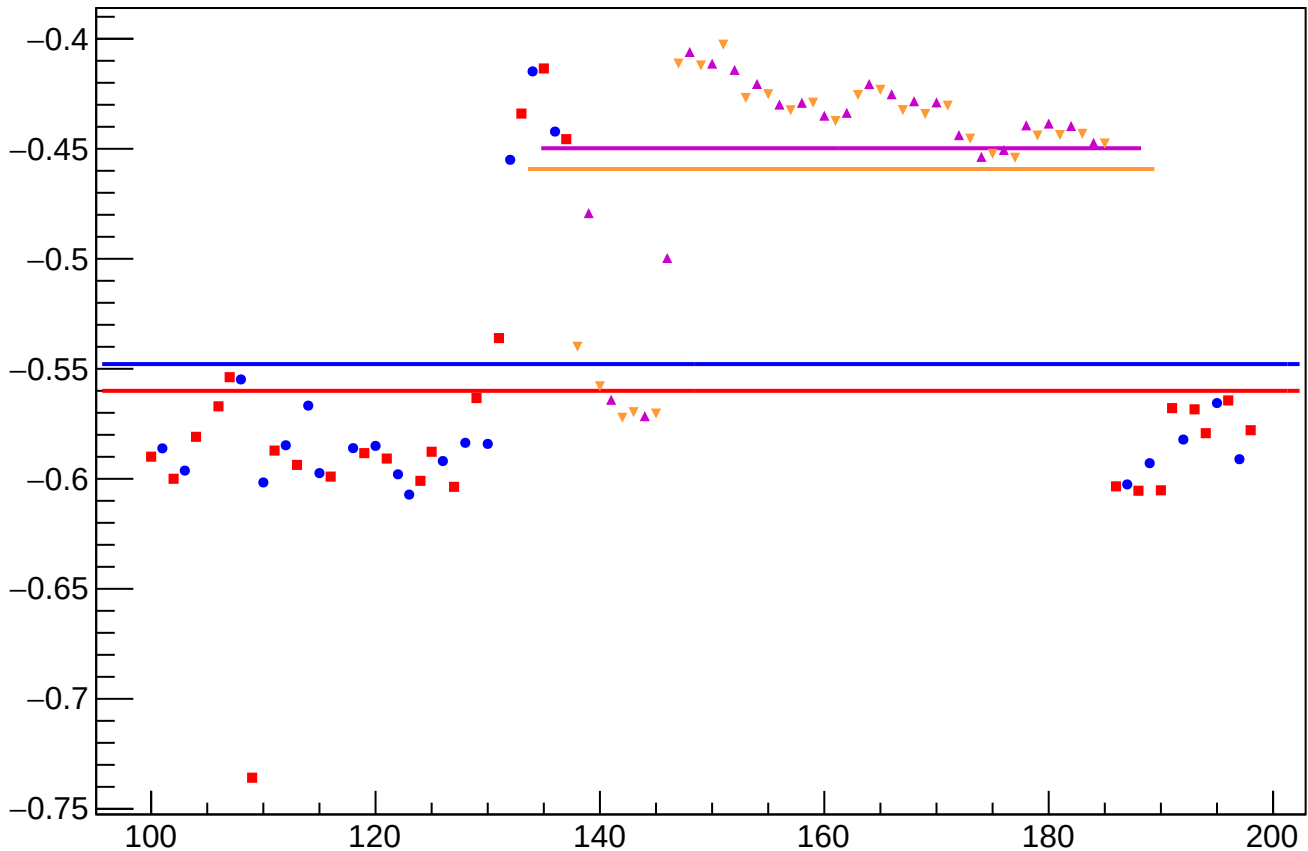
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 48334247.6/46

All: 0.000+/-0.000 χ^2/NDF : 98455500.0/96

- sign 0.000+/-0.000 χ^2/NDF : 50114116.9/49

yield_bpm4aX_mean vs Slug



Right In: -0.548 $\pm$ 0.000 χ^2 /NDF: 47440203.1/21

Left Out: -0.459 $\pm$ 0.000 χ^2 /NDF: 113808762.6/24

Right Out: -0.560 $\pm$ 0.000 χ^2 /NDF: 65285580.8/26

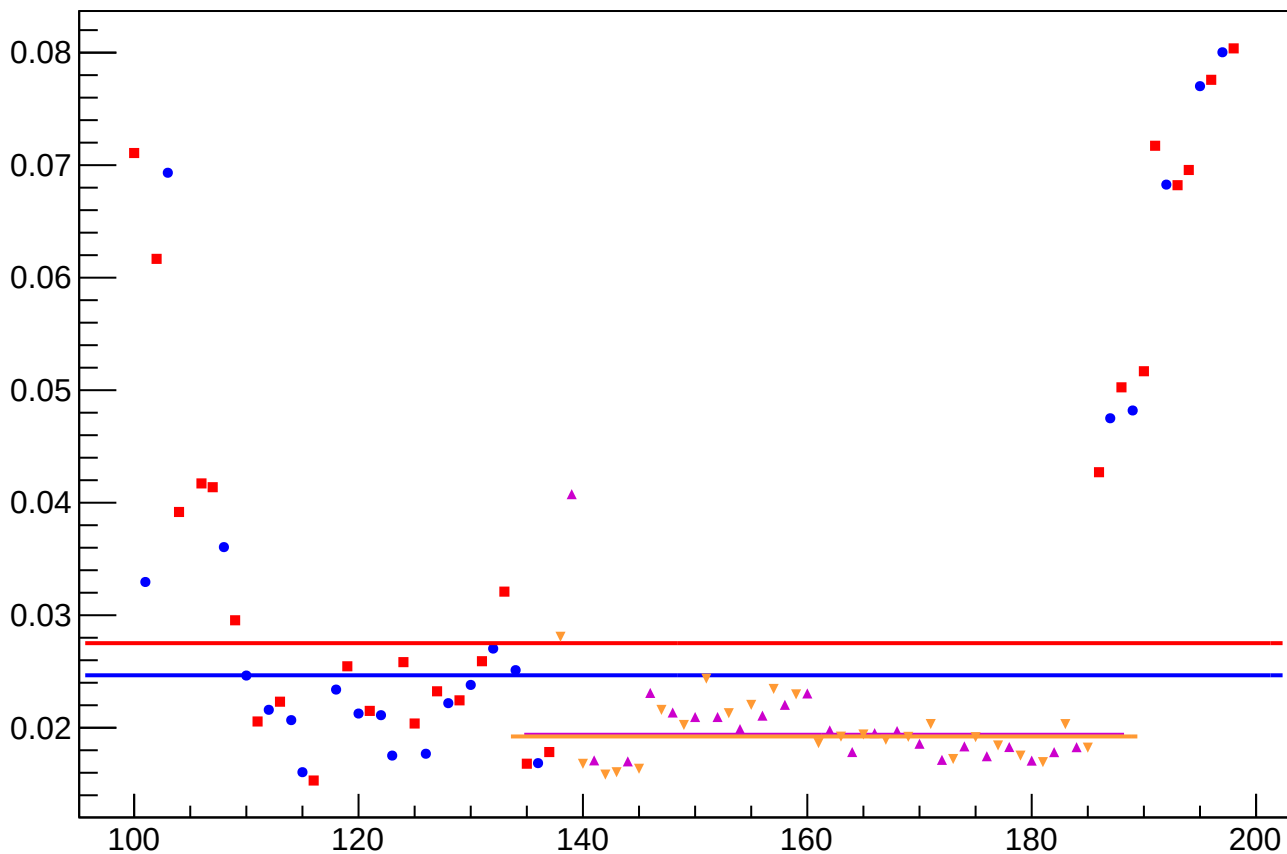
Left In: -0.450 $\pm$ 0.000 χ^2 /NDF: 76151485.7/22

+ sign -0.478 $\pm$ 0.000 χ^2 /NDF: 229444350.1/46

All: -0.477 $\pm$ 0.000 χ^2 /NDF: 475227651.2/96

- sign -0.475 $\pm$ 0.000 χ^2 /NDF: 245508600.5/49

yield_bpm4aX_rms vs Slug



Right In: 0.025 ± 0.000 χ^2/NDF : 3542421.2/21

Left Out: 0.019 ± 0.000 χ^2/NDF : 501253.7/24

Right Out: 0.028 ± 0.000 χ^2/NDF : 4726362.2/26

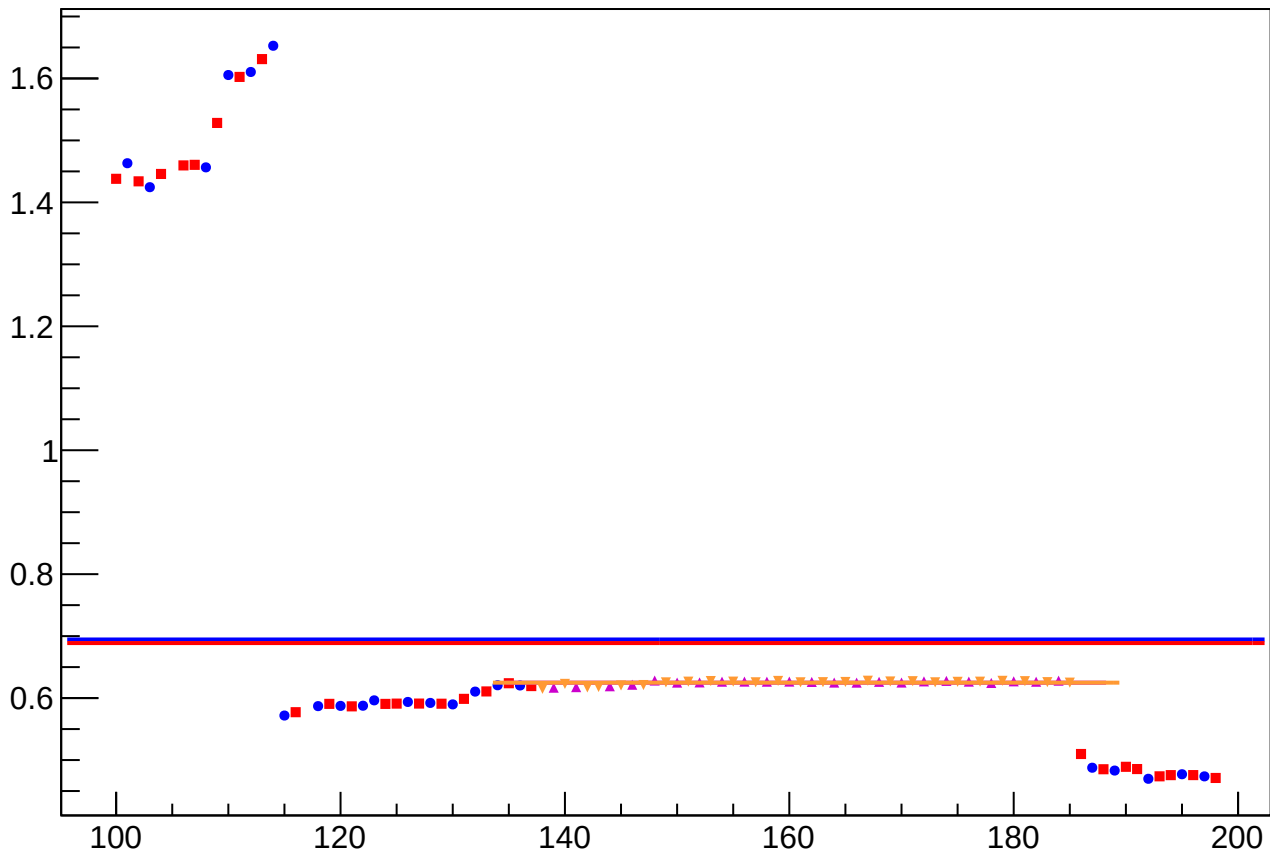
Left In: 0.019 ± 0.000 χ^2/NDF : 656155.9/22

+ sign 0.020 ± 0.000 χ^2/NDF : 4556631.2/46

All: 0.021 ± 0.000 χ^2/NDF : 11109284.1/96

- sign 0.021 ± 0.000 χ^2/NDF : 6517258.0/49

yield_bpm4aY_mean vs Slug



Right In: 0.695 $\pm$ 0.000 χ^2 /NDF: 4422352210.2/21

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

+ sign 0.642 $\pm$ 0.000 χ^2 /NDF: 4572045213.1/46

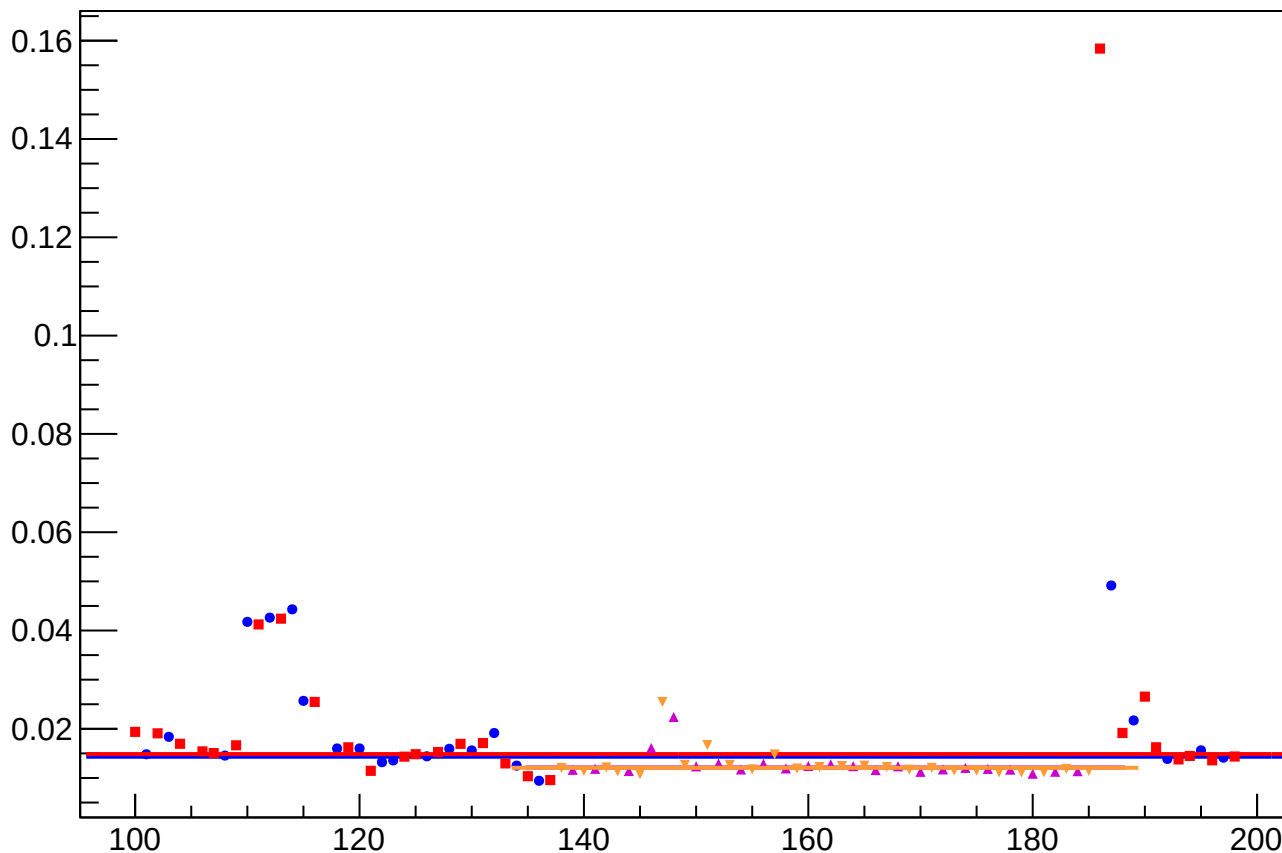
Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 5601441920.0/26

All: 0.643 $\pm$ 0.000 χ^2 /NDF: 10310723368.6/9

- sign 0.643 $\pm$ 0.000 χ^2 /NDF: 5738595875.0/49

Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1639514.2/21

Left Out: 0.012+/-0.000 χ^2/NDF : 657433.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2068974.0/26

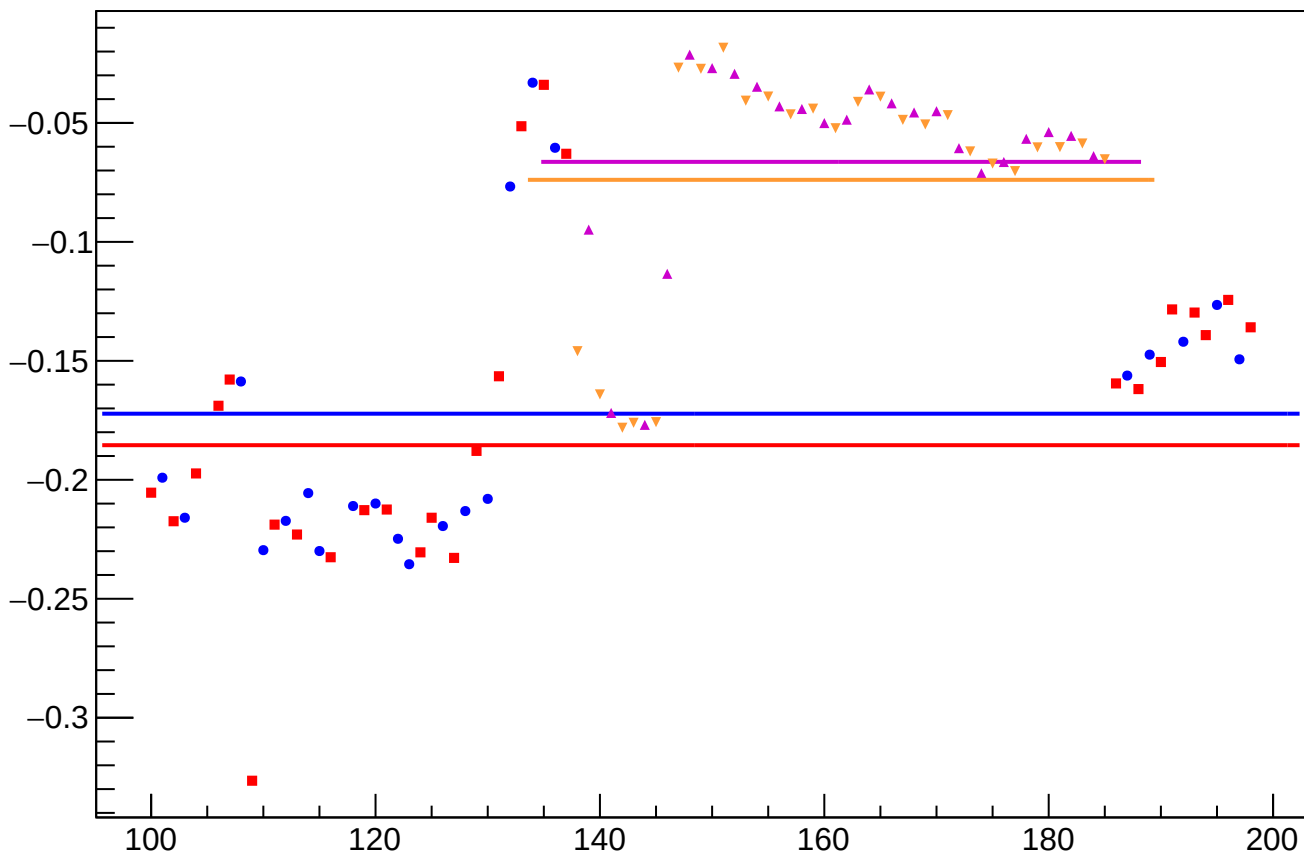
Left In: 0.012+/-0.000 χ^2/NDF : 488249.4/22

+ sign 0.013+/-0.000 χ^2/NDF : 2605798.8/46

All: 0.013+/-0.000 χ^2/NDF : 5671887.9/96

- sign 0.013+/-0.000 χ^2/NDF : 3052411.4/49

yield_bpm4eX_mean vs Slug



Right In: -0.172 ± 0.000 χ^2/NDF : 67532160.0/21

Left Out: -0.074 ± 0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.185 ± 0.000 χ^2/NDF : 83937477.6/26

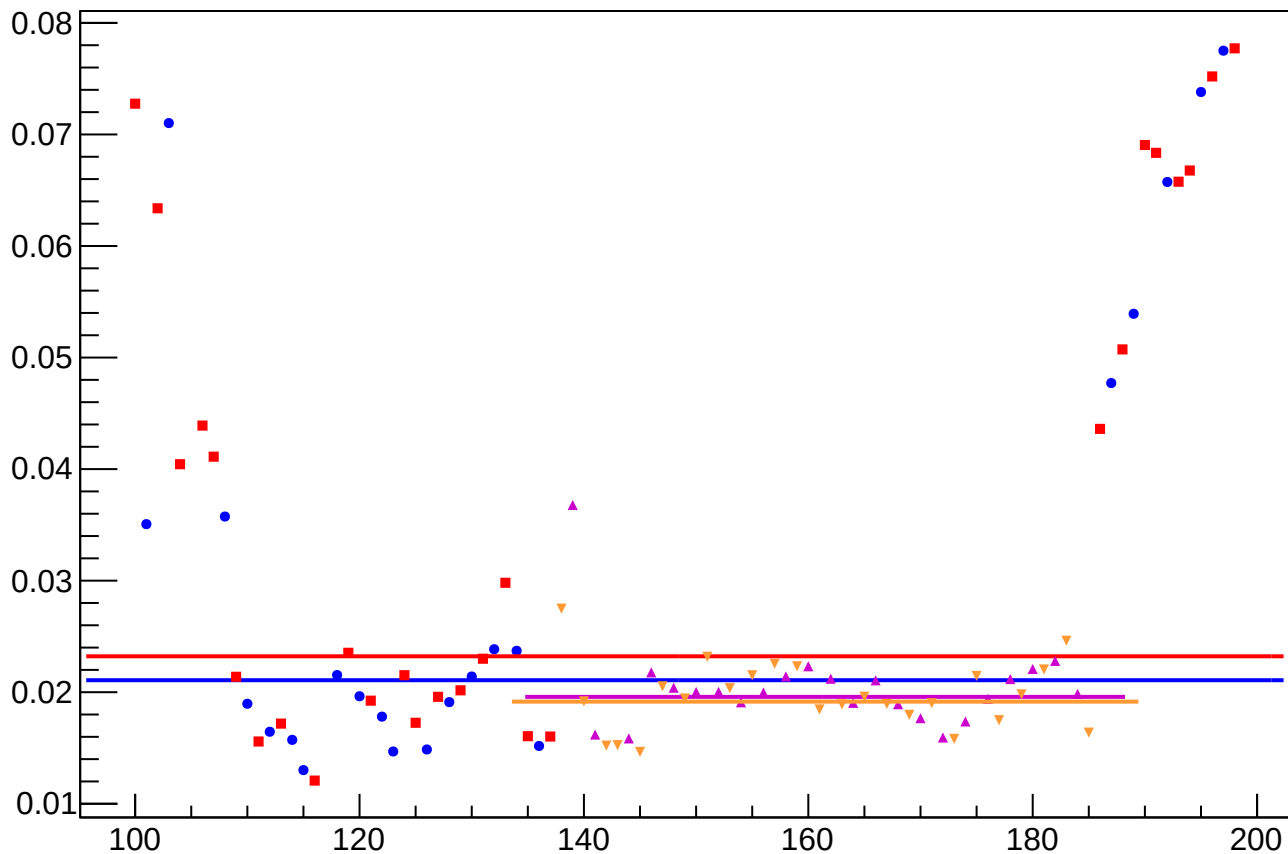
Left In: -0.066 ± 0.000 χ^2/NDF : 76283954.4/22

+ sign -0.100 ± 0.000 χ^2/NDF : 279100747.6/46

All: -0.100 ± 0.000 χ^2/NDF : 588718691.0/96

- sign -0.100 ± 0.000 χ^2/NDF : 309614804.6/49

yield_bpm4eX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 4168615.9/21

Left Out: 0.019+/-0.000 χ^2/NDF : 641027.3/24

Right Out: 0.023+/-0.000 χ^2/NDF : 5788411.7/26

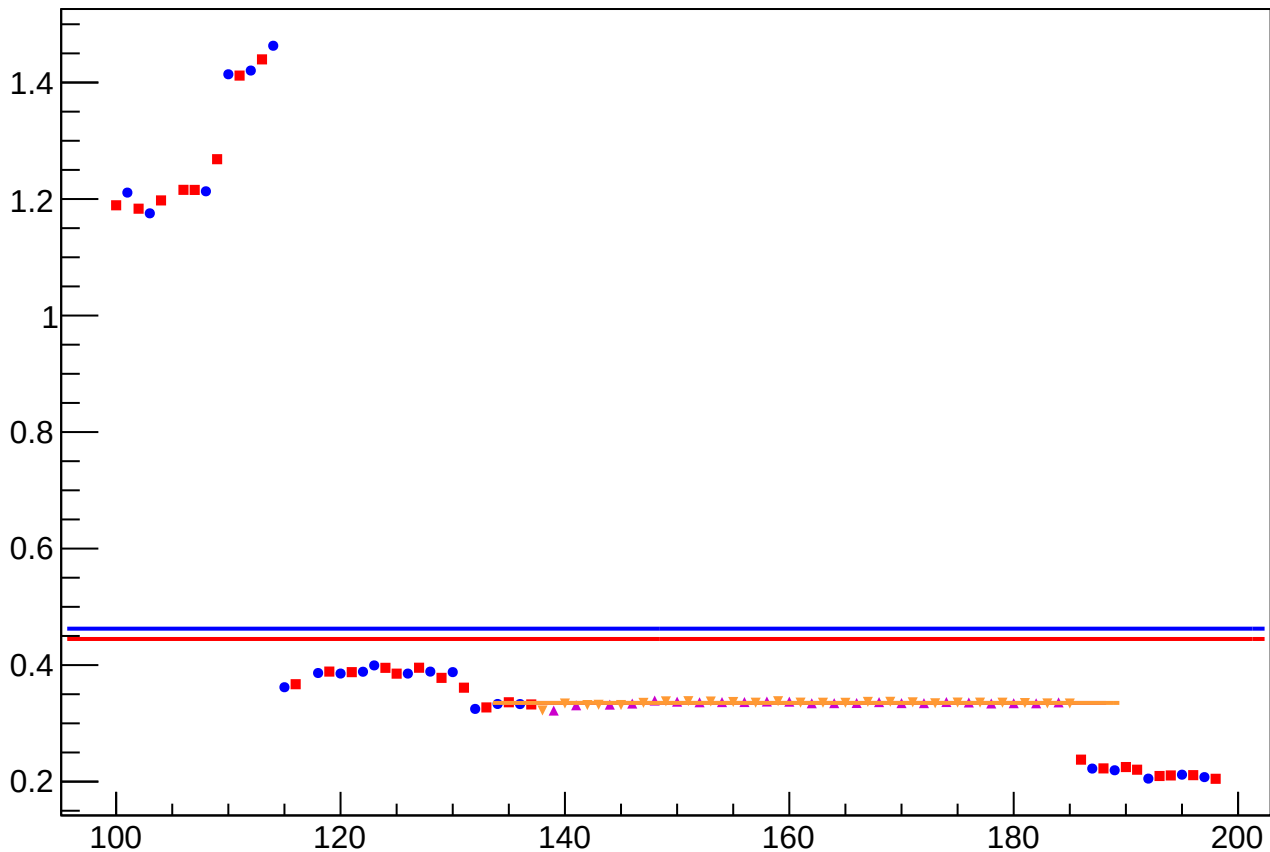
Left In: 0.020+/-0.000 χ^2/NDF : 651328.7/22

+ sign 0.020+/-0.000 χ^2/NDF : 4888794.8/46

All: 0.020+/-0.000 χ^2/NDF : 11655939.5/96

- sign 0.021+/-0.000 χ^2/NDF : 6718671.0/49

yield_bpm4eY_mean vs Slug



Right In: 0.463+/-0.000 χ^2/NDF : 6430393792.6/21

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

Right Out: 0.445+/-0.000 χ^2/NDF : 7858681203.0/26

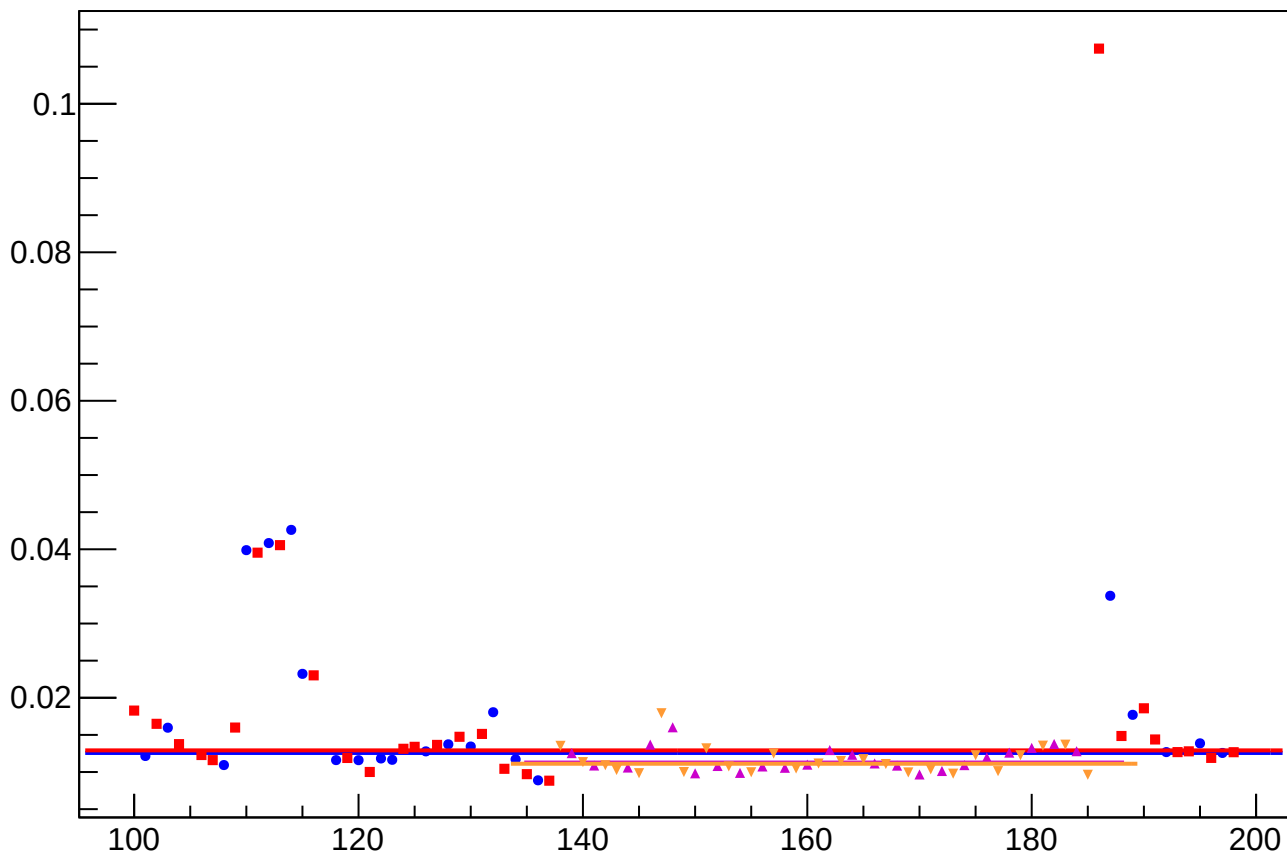
Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

+ sign 0.370+/-0.000 χ^2/NDF : 7060090927.1/46

All: 0.370+/-0.000 χ^2/NDF : 15427732476.5/9

- sign 0.370+/-0.000 χ^2/NDF : 8367621897.7/49

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1508768.1/21

Left Out: 0.011+/-0.000 χ^2/NDF : 608235.7/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1928564.3/26

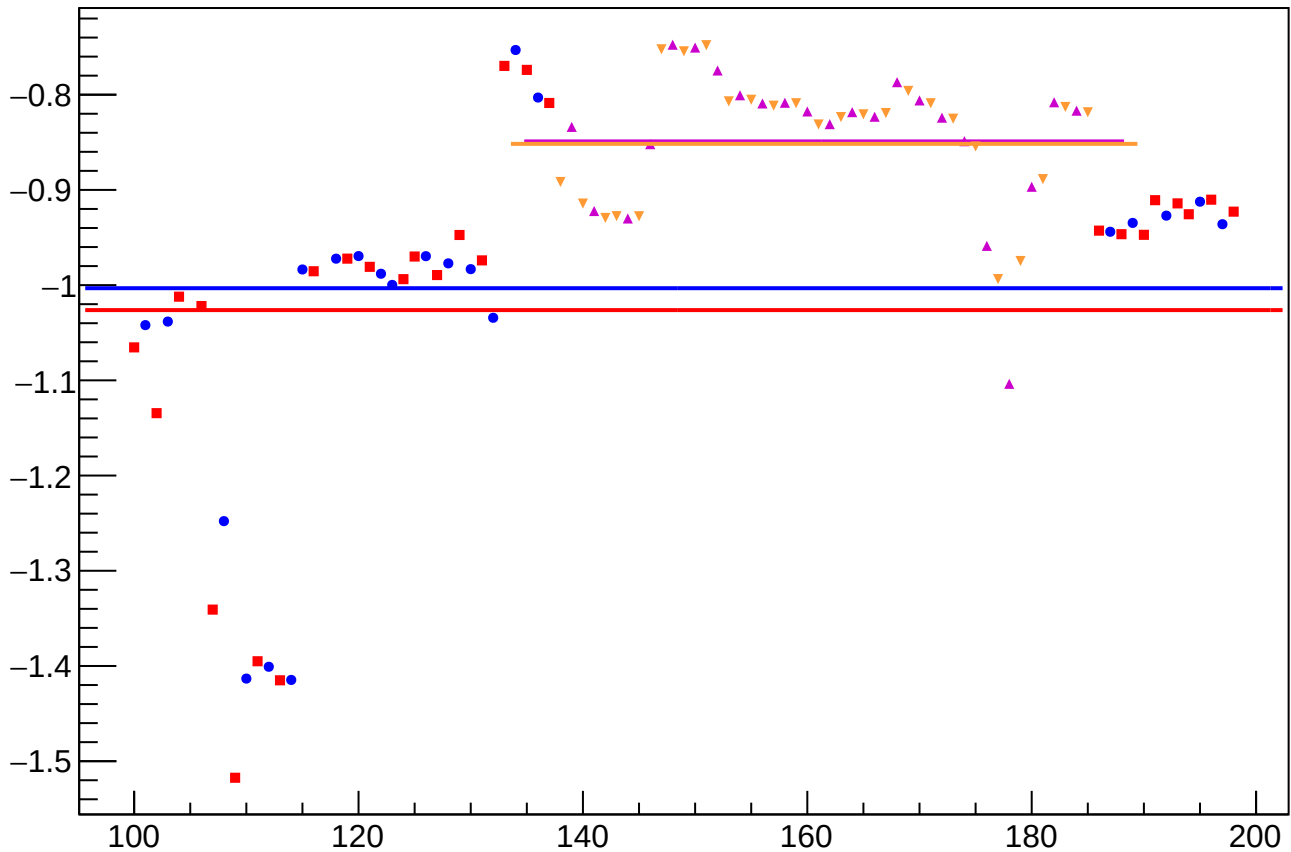
Left In: 0.011+/-0.000 χ^2/NDF : 502226.7/22

+ sign 0.012+/-0.000 χ^2/NDF : 2280346.6/46

All: 0.012+/-0.000 χ^2/NDF : 4953985.7/96

- sign 0.012+/-0.000 χ^2/NDF : 2657407.2/49

yield_bpm4acX_mean vs Slug



Right In: -1.003+/-0.000 χ^2/NDF : 397347767.5/21

Left Out: -0.852+/-0.000 χ^2/NDF :189276591.7/24

Right Out: -1.026+/-0.000 χ^2/NDF : 548256756.4/26

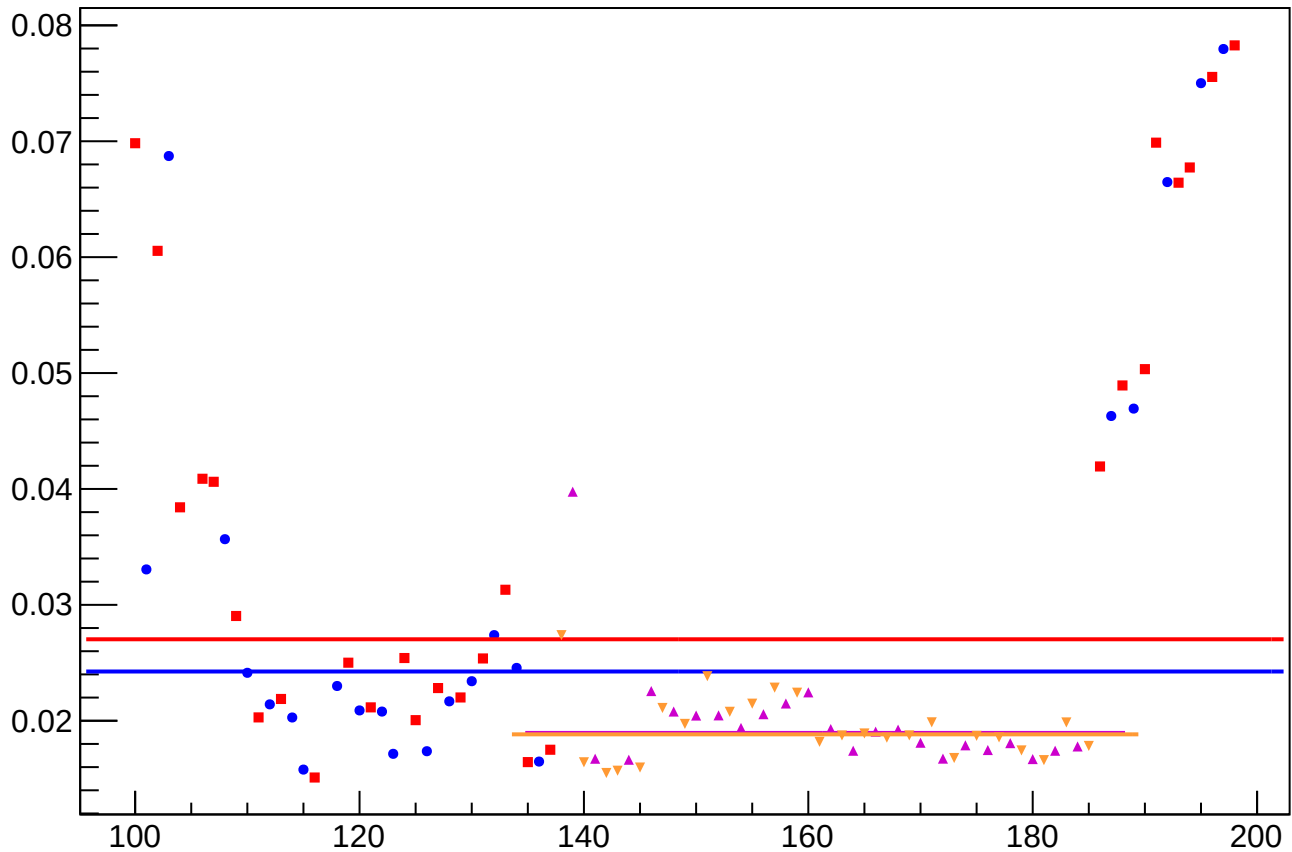
Left In: -0.849+/-0.000 χ^2/NDF :256438306.8/22

+ sign -0.884+/-0.000 χ^2/NDF : 793218002.3/46

All: -0.887+/-0.000 χ^2/NDF : 1877896782.3/9

- sign -0.889+/-0.000 χ^2/NDF : 1083977243.6/49

yield_bpm4acX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 3542796.0/21

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490084.5/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 4686562.2/26

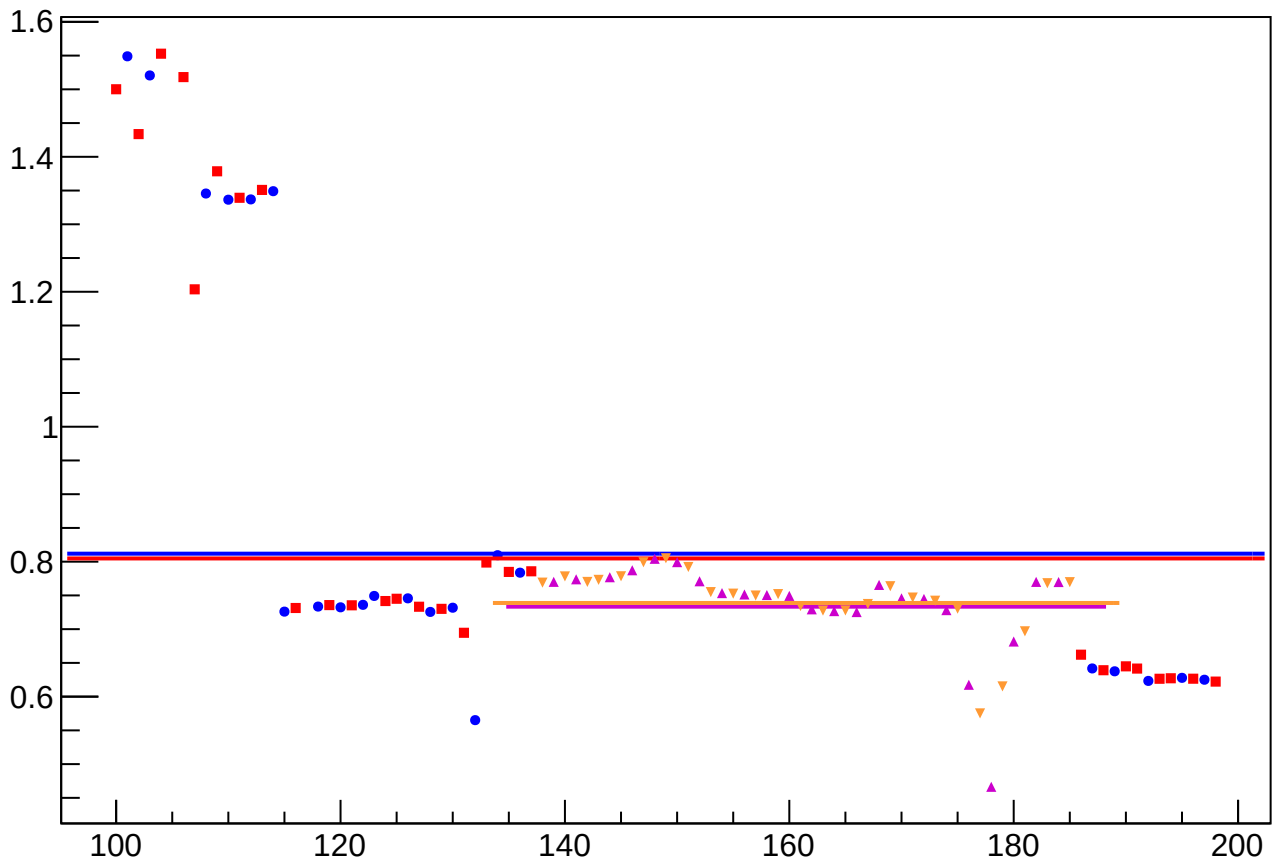
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:645048.1/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 4561452.7/46

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 11087758.1/96

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 6493338.7/49

yield_bpm4acY_mean vs Slug



Right In: 0.812 $\pm$ 0.000 χ^2 /NDF: 3012704904.8/21

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333086309.0/24

Right Out: 0.805 $\pm$ 0.000 χ^2 /NDF: 3446305332.5/26

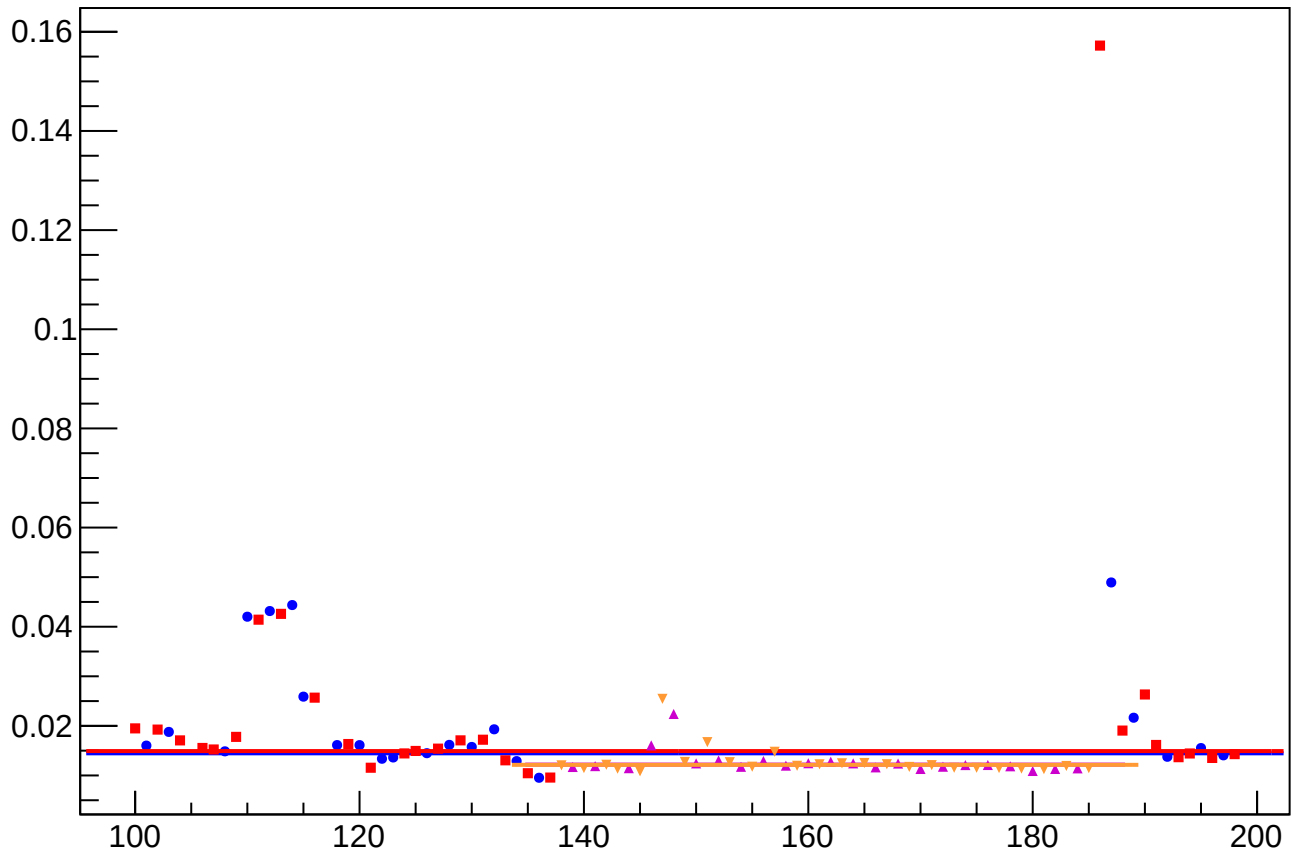
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

+ sign 0.757 $\pm$ 0.000 χ^2 /NDF: 3505420619.0/46

All: 0.756 $\pm$ 0.000 χ^2 /NDF: 7690833858.5/96

- sign 0.754 $\pm$ 0.000 χ^2 /NDF: 4184726394.0/49

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1640978.7/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2073659.0/26

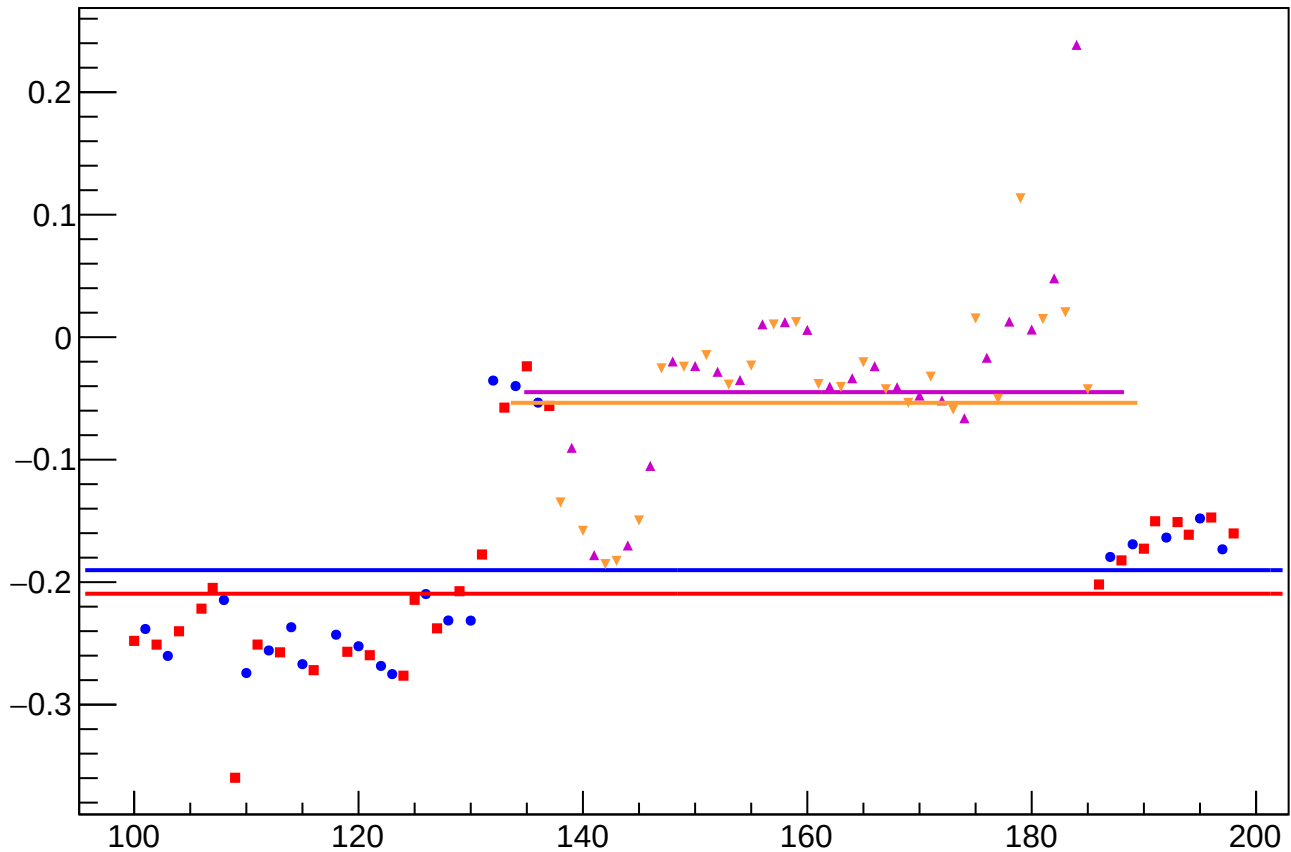
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2601607.7/46

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5658130.3/96

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3045462.7/49

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 $\chi^2/\text{NDF}: 106480942.4/21$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167879648.0/24$

Right Out: -0.209 ± 0.000 $\chi^2/\text{NDF}: 112111484.3/26$

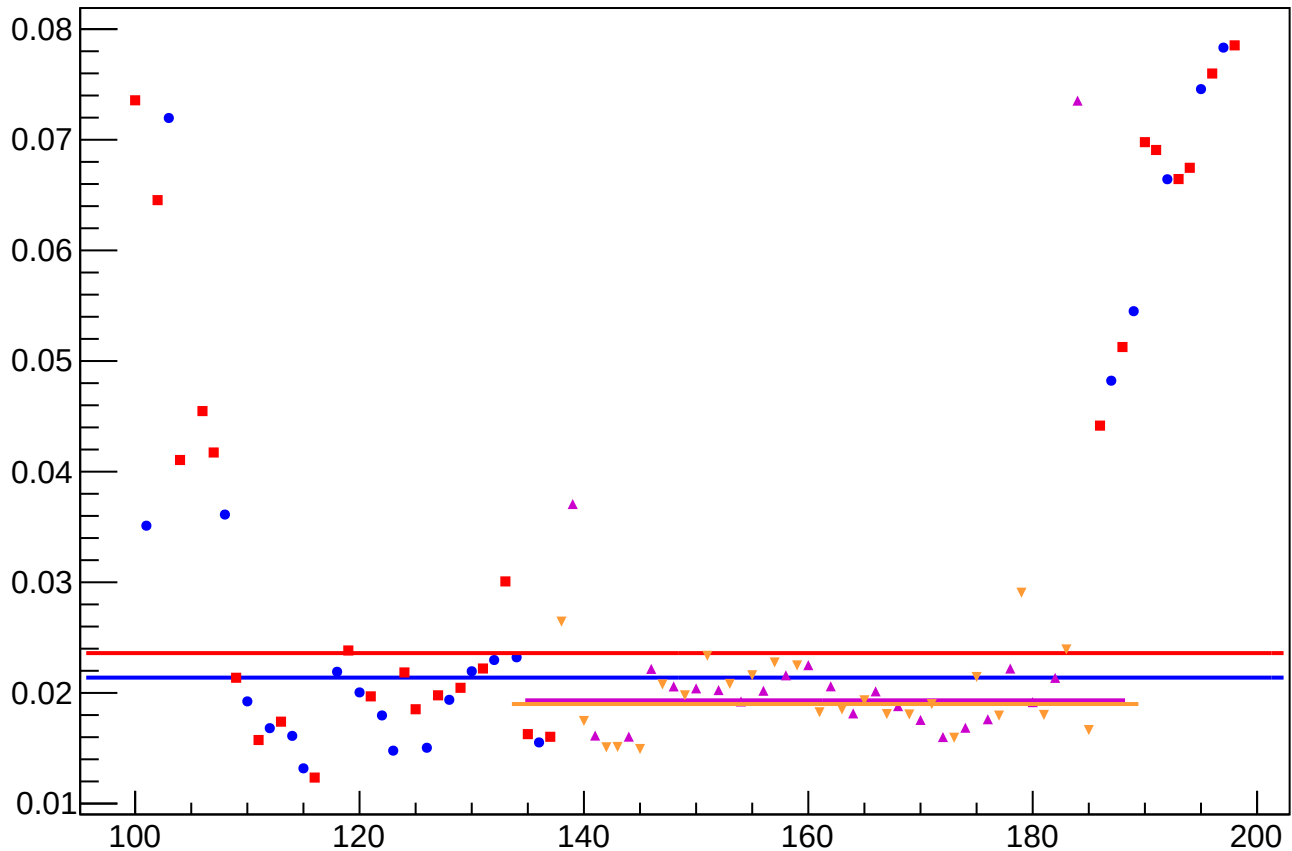
Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127324000.1/22$

+ sign -0.089 ± 0.000 $\chi^2/\text{NDF}: 469943181.1/46$

All: -0.090 ± 0.000 $\chi^2/\text{NDF}: 987909379.8/96$

- sign -0.090 ± 0.000 $\chi^2/\text{NDF}: 517916814.4/49$

yield_bpm4ecX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 4129741.2/21

Left Out: 0.019+/-0.000 χ^2/NDF : 699267.5/24

Right Out: 0.024+/-0.000 χ^2/NDF : 5755910.8/26

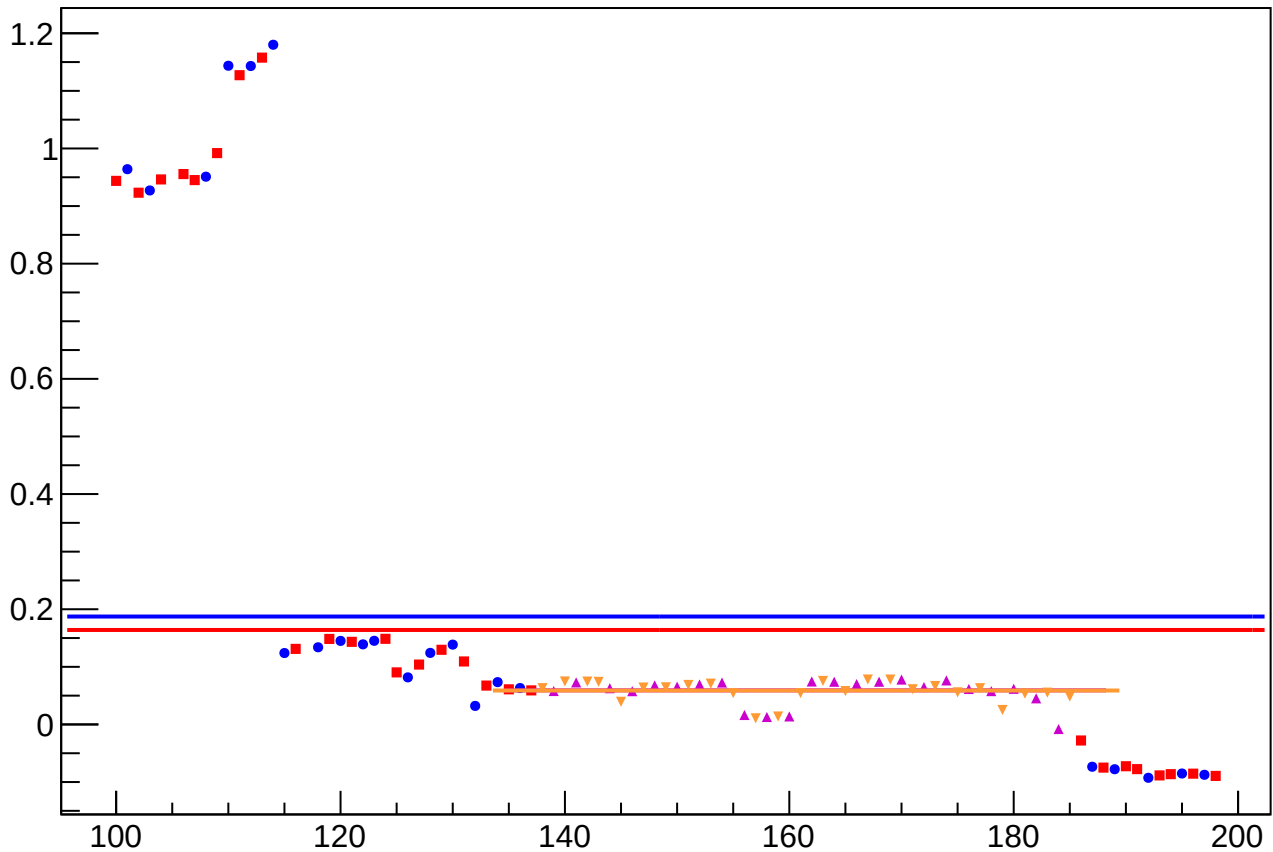
Left In: 0.019+/-0.000 χ^2/NDF : 892810.7/22

+ sign 0.020+/-0.000 χ^2/NDF : 4948436.4/46

All: 0.020+/-0.000 χ^2/NDF : 12014410.3/96

- sign 0.021+/-0.000 χ^2/NDF : 7023600.7/49

yield_bpm4ecY_mean vs Slug



Right In: 0.187+/-0.000 χ^2/NDF : 6855553534.0/21

Left Out: 0.059+/-0.000 χ^2/NDF : 46902918.4/24

+ sign 0.094+/-0.000 χ^2/NDF : 7551712062.9/46

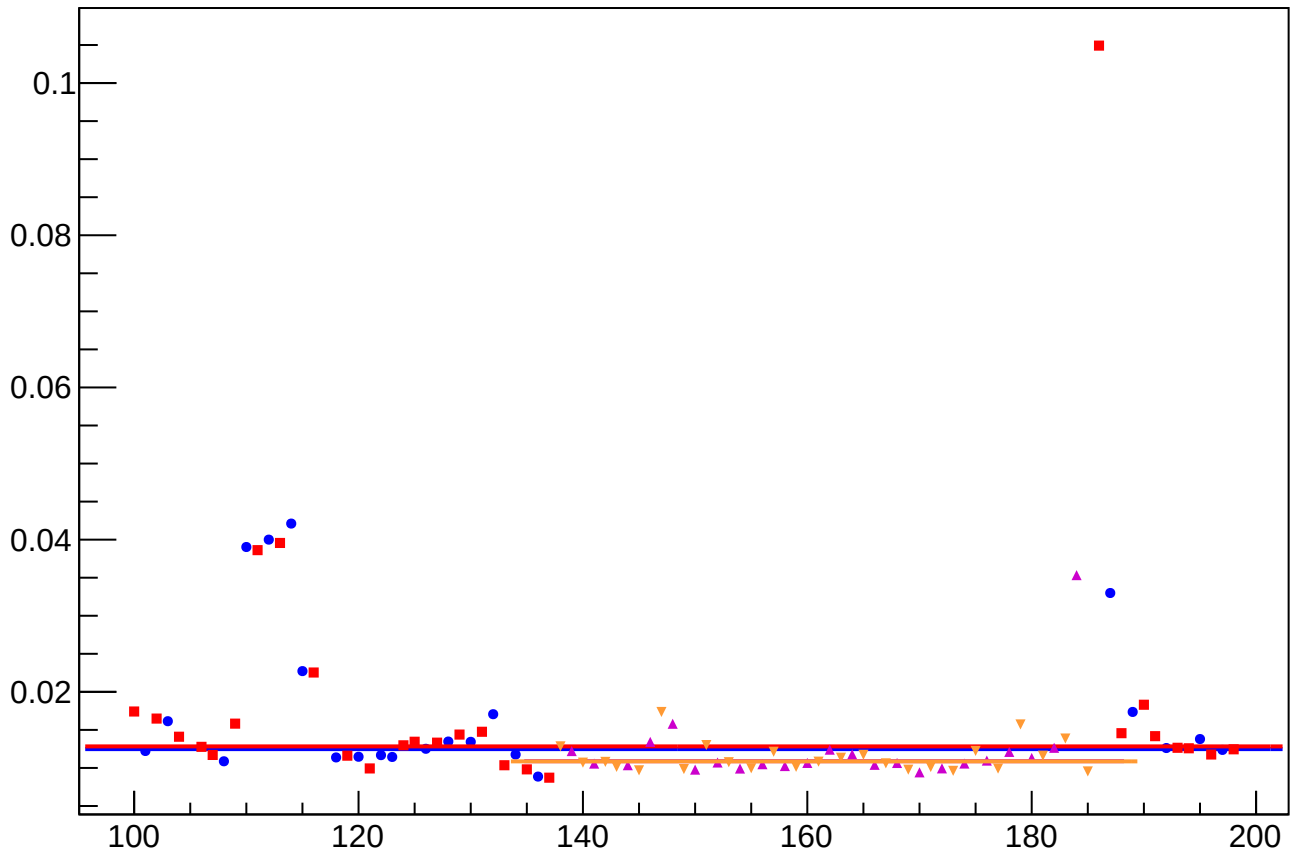
Right Out: 0.164+/-0.000 χ^2/NDF : 8230505044.0/26

All: 0.093+/-0.000 χ^2/NDF : 16314899996.0/9

- sign 0.092+/-0.000 χ^2/NDF : 8762883160.3/49

Left In: 0.059+/-0.000 χ^2/NDF : 58640898.5/22

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1475907.7/21

Left Out: 0.011+/-0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1887585.2/26

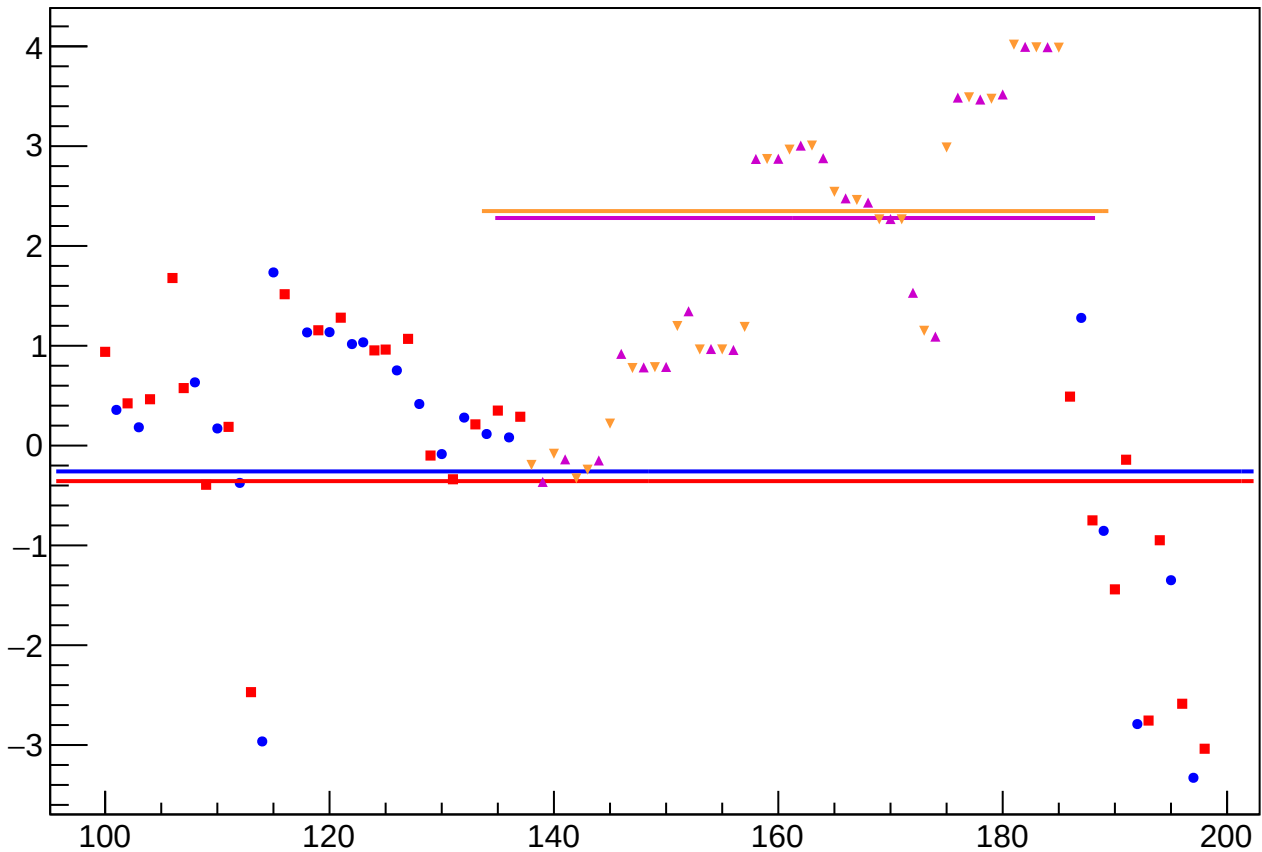
Left In: 0.011+/-0.000 χ^2/NDF : 529867.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 2285667.9/46

All: 0.011+/-0.000 χ^2/NDF : 5035341.7/96

- sign 0.012+/-0.000 χ^2/NDF : 2741825.4/49

yield_bpm1X_mean vs Slug



Right In: -0.259 ± 0.000 $\chi^2/\text{NDF}: 4047968749.3/21$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.356 ± 0.000 $\chi^2/\text{NDF}: 5334113373.0/26$

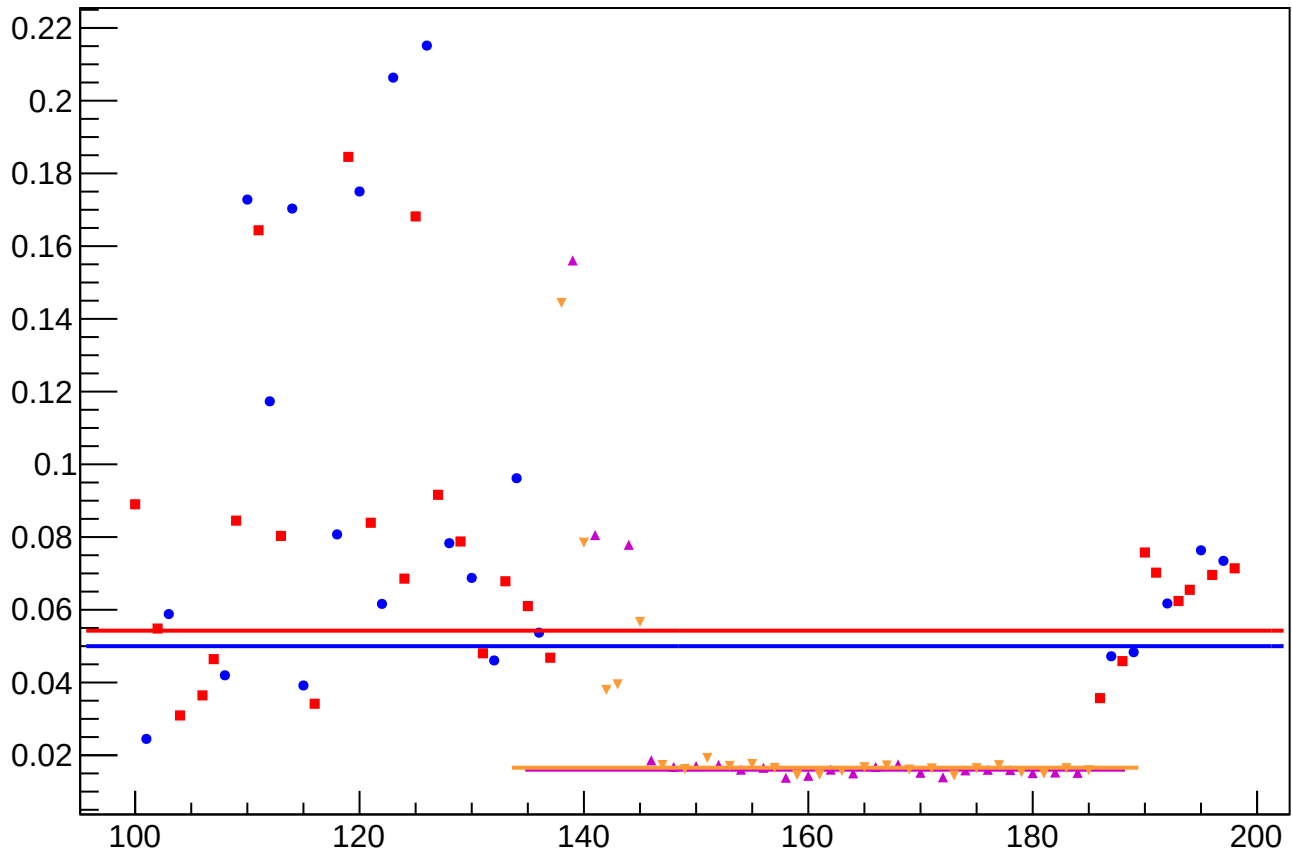
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.229 ± 0.000 $\chi^2/\text{NDF}: 83641696725.1/46$

All: 2.184 ± 0.000 $\chi^2/\text{NDF}: 169815218340.2$

- sign 2.141 ± 0.000 $\chi^2/\text{NDF}: 85959230090.8/49$

yield_bpm1X_rms vs Slug



Right In: 0.050+/-0.000 χ^2/NDF : 3263692.6/21

Left Out: 0.017+/-0.000 χ^2/NDF : 2623615.6/24

Right Out: 0.054+/-0.000 χ^2/NDF : 2730869.8/26

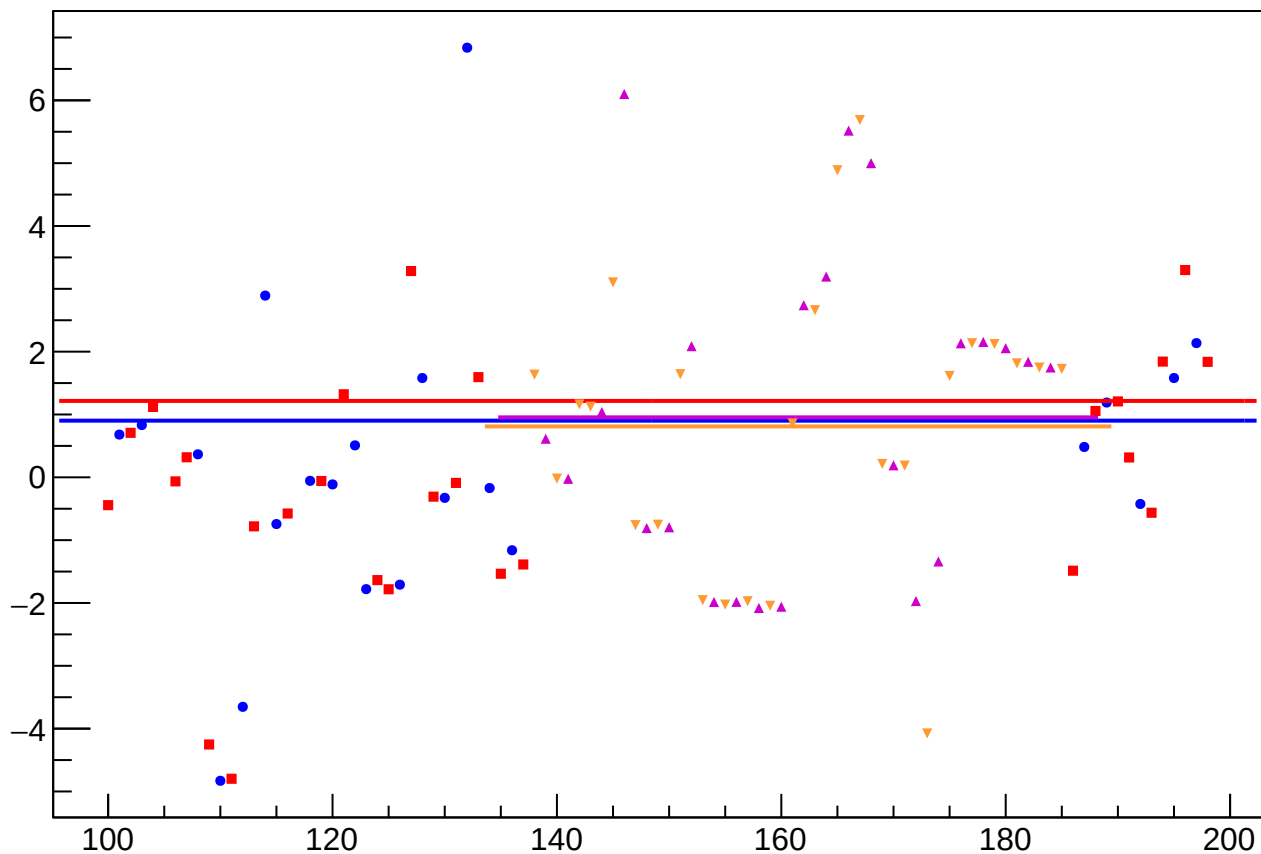
Left In: 0.016+/-0.000 χ^2/NDF : 2463853.3/22

+ sign 0.018+/-0.000 χ^2/NDF : 11138264.8/46

All: 0.018+/-0.000 χ^2/NDF : 24400859.2/96

- sign 0.018+/-0.000 χ^2/NDF : 13262390.9/49

yield_bpm1Y_mean vs Slug



Right In: 0.902 $\pm$ 0.000 χ^2 /NDF: 18495792499.2/21

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 1.216 $\pm$ 0.000 χ^2 /NDF: 23507563422.7/26

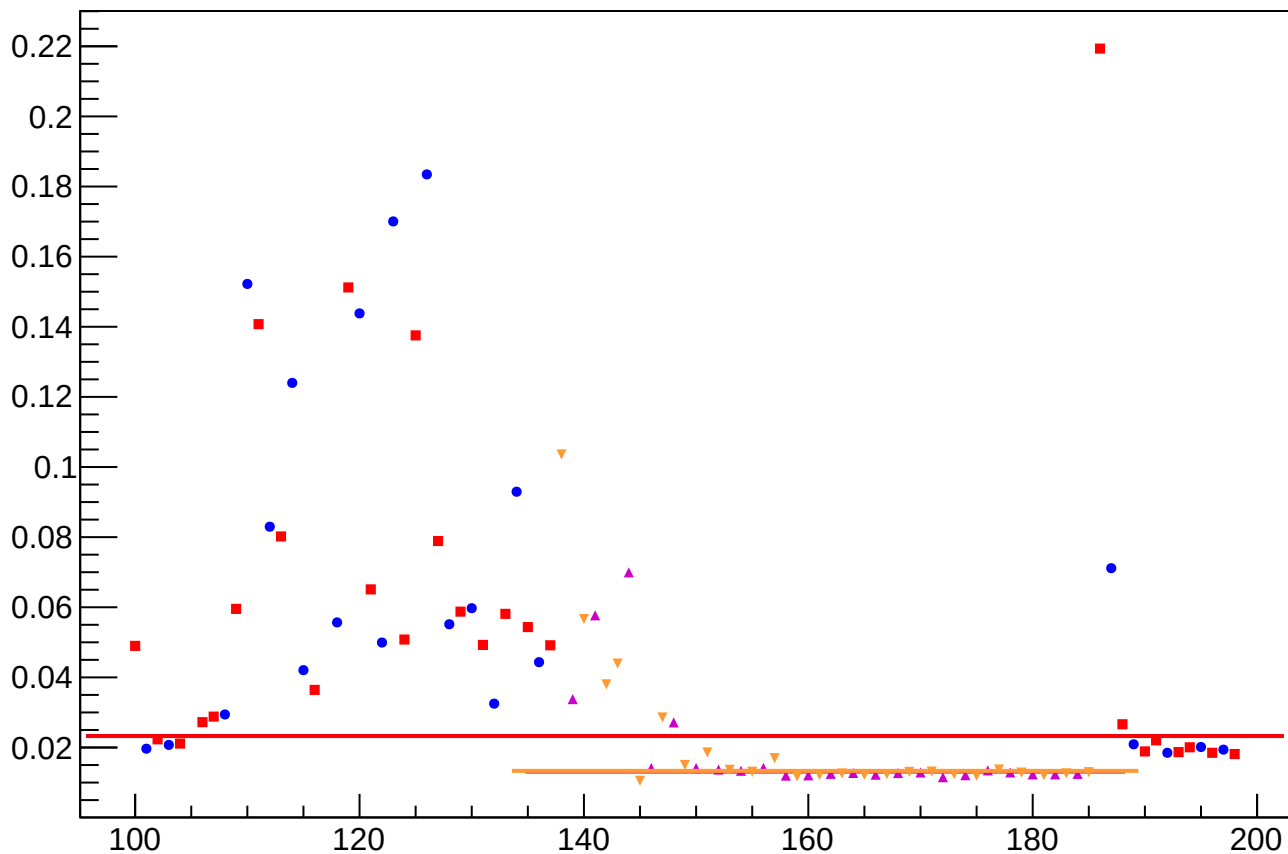
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 0.820 $\pm$ 0.000 χ^2 /NDF: 526157564090.1/46

All: 0.907 $\pm$ 0.000 χ^2 /NDF: 1126667868878.

- sign 0.990 $\pm$ 0.000 χ^2 /NDF: 599106083527.1/49

yield_bpm1Y_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 3581931.9/21

Left Out: 0.013+/-0.000 χ^2/NDF : 2829070.5/24

Right Out: 0.023+/-0.000 χ^2/NDF : 4694240.9/26

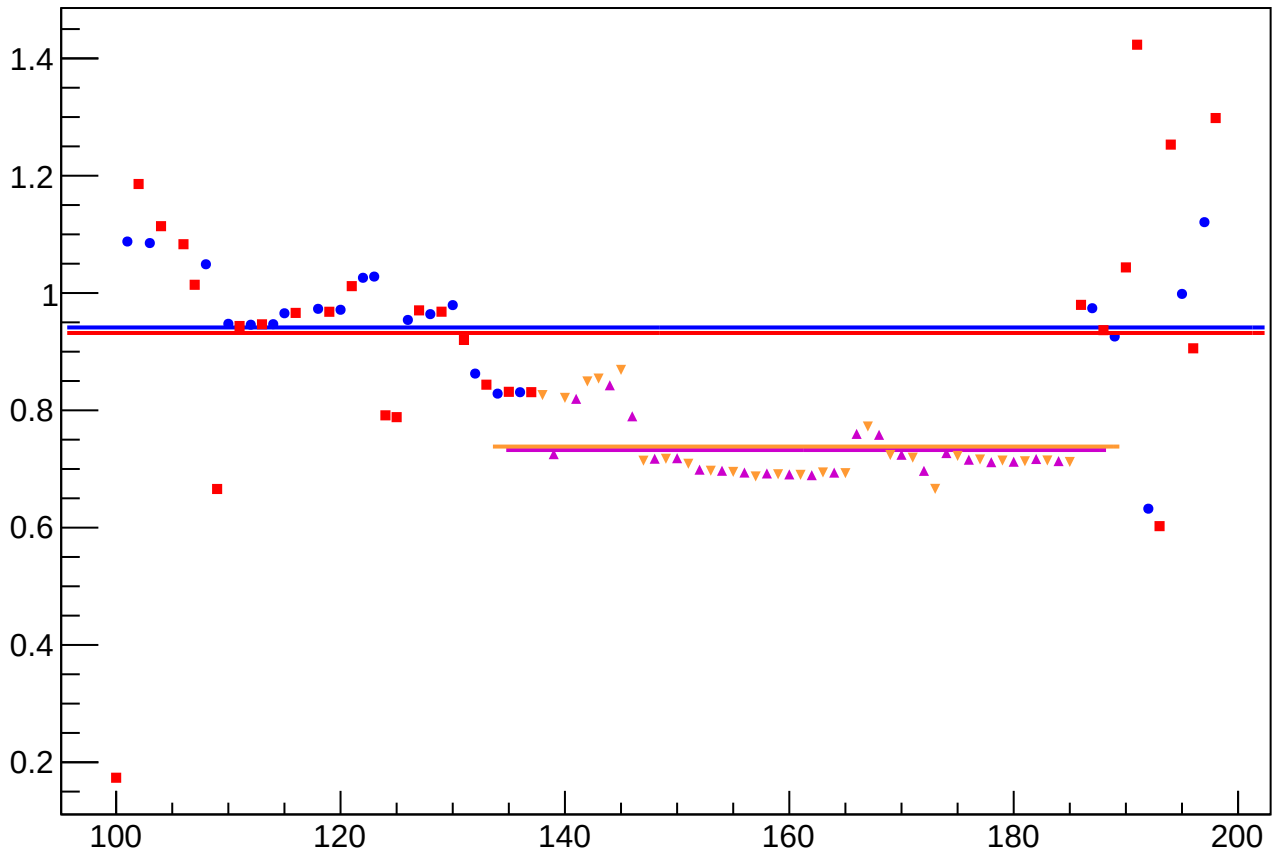
Left In: 0.013+/-0.000 χ^2/NDF : 1968206.9/22

+ sign 0.014+/-0.000 χ^2/NDF : 8258982.3/46

All: 0.014+/-0.000 χ^2/NDF : 17337645.8/96

- sign 0.015+/-0.000 χ^2/NDF : 9077820.6/49

yield_bpm11X_mean vs Slug



Right In: 0.941 $\pm$ 0.000 χ^2 /NDF: 312988195.1/21

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310610047.7/24

+ sign 0.795 $\pm$ 0.000 χ^2 /NDF: 1613055519.6/46

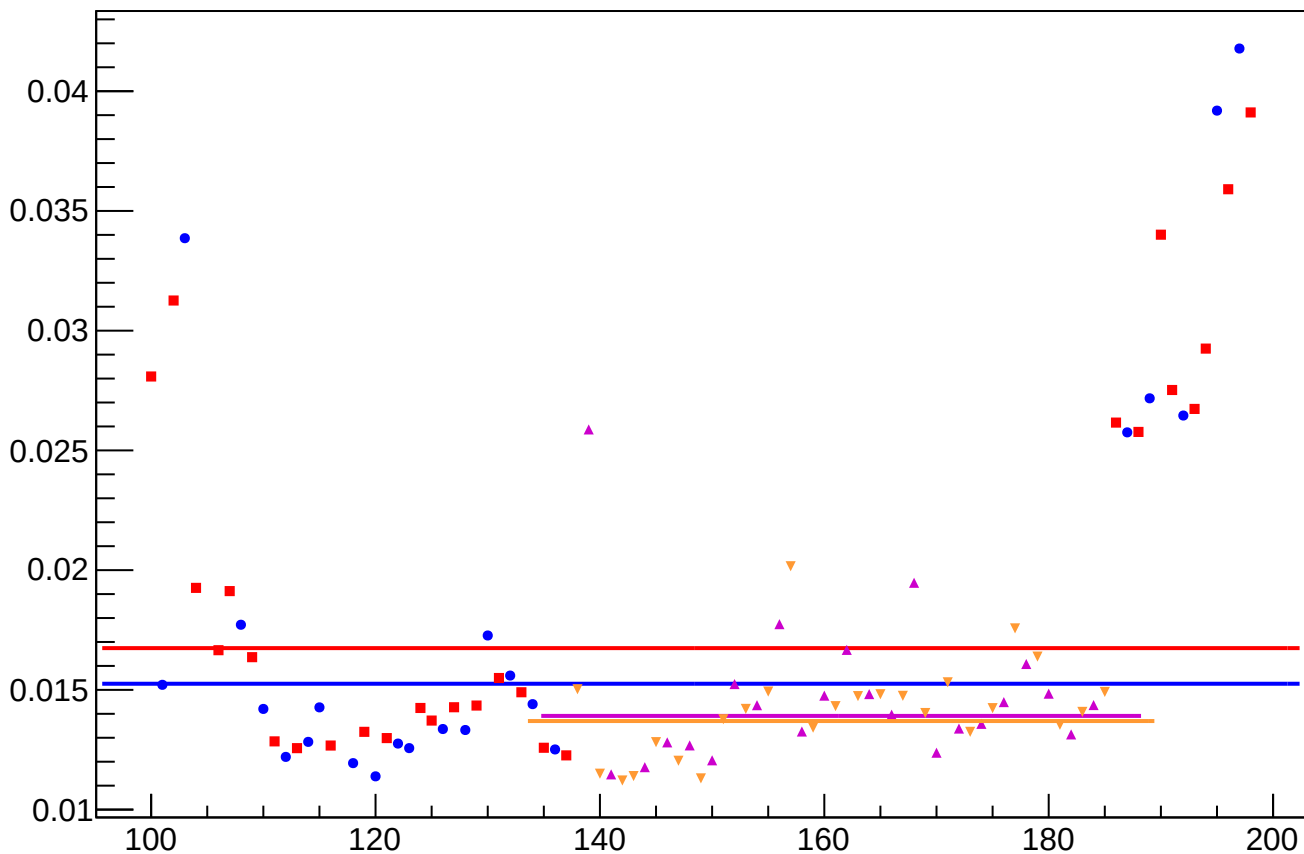
Right Out: 0.932 $\pm$ 0.000 χ^2 /NDF: 729818250.2/26

All: 0.794 $\pm$ 0.000 χ^2 /NDF: 3478113461.4/96

- sign 0.792 $\pm$ 0.000 χ^2 /NDF: 1864791315.7/49

Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

yield_bpm11X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 2314745.0/21

Left Out: 0.014+/-0.000 χ^2/NDF : 530851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF : 2780079.7/26

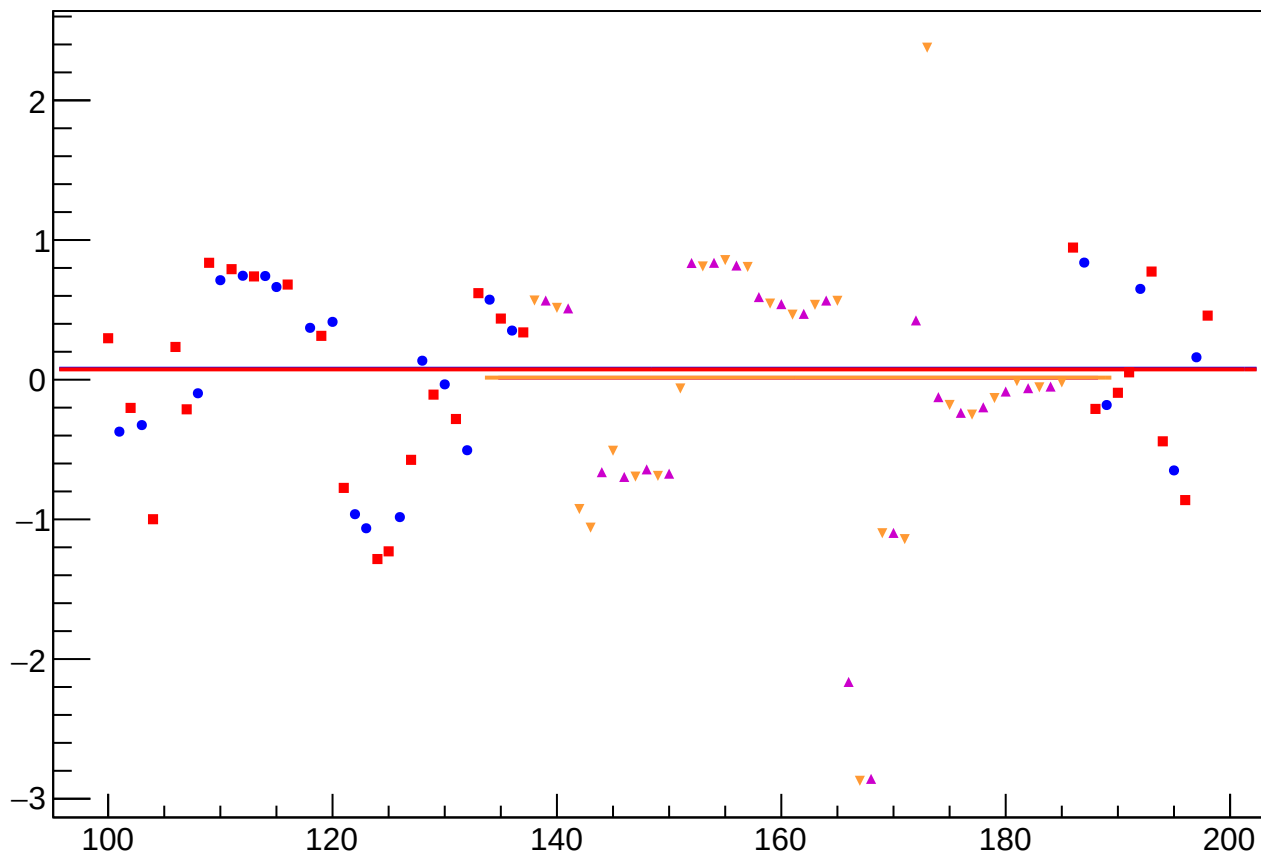
Left In: 0.014+/-0.000 χ^2/NDF : 794558.0/22

+ sign 0.014+/-0.000 χ^2/NDF : 2962045.1/46

All: 0.014+/-0.000 χ^2/NDF : 6972006.1/96

- sign 0.015+/-0.000 χ^2/NDF : 3962621.4/49

yield_bpm11Y_mean vs Slug



Right In: 0.079 $\pm$ 0.000 χ^2 /NDF: 12218790175.0/21

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 96087835995.8/24

Right Out: 0.074 $\pm$ 0.000 χ^2 /NDF: 23591235669.3/26

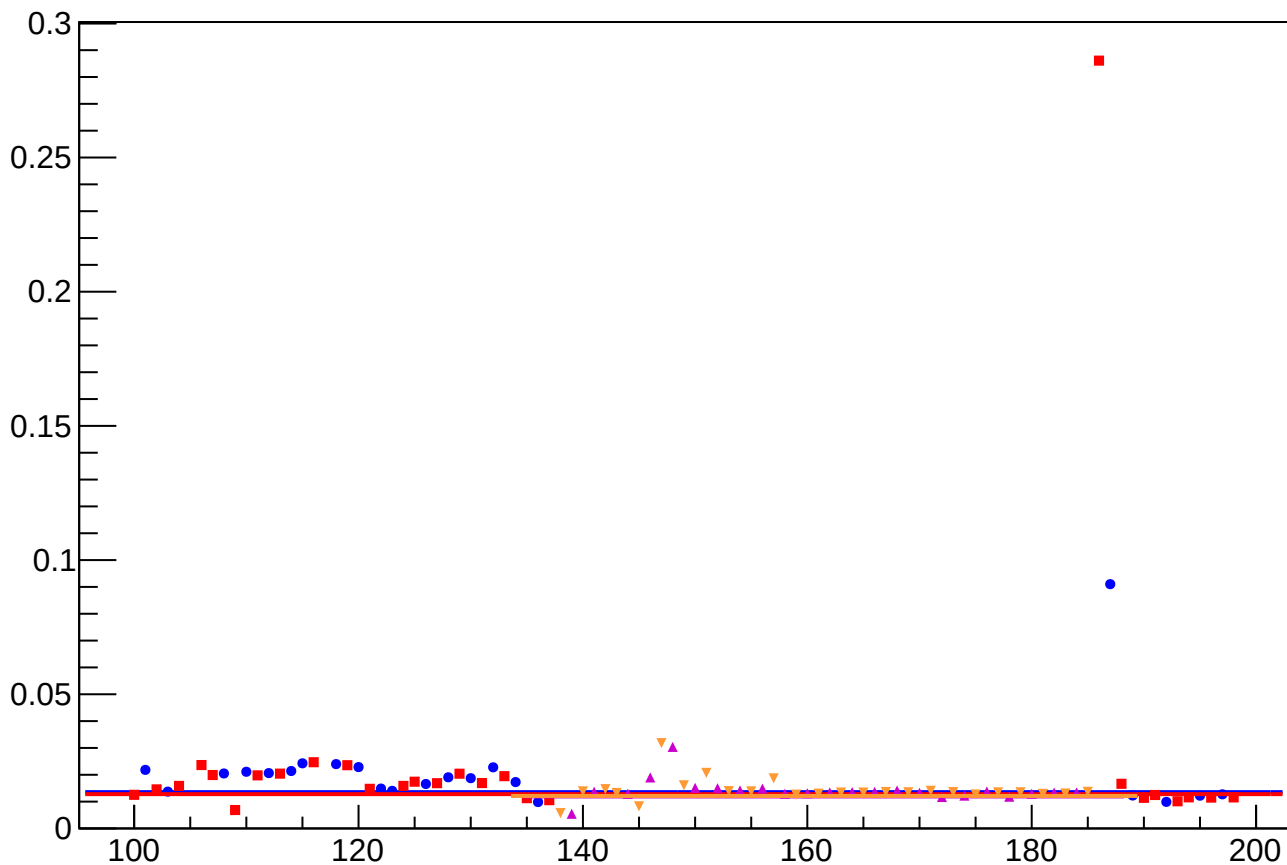
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

+ sign 0.033 $\pm$ 0.000 χ^2 /NDF: 108433527205.6/46

All: 0.034 $\pm$ 0.000 χ^2 /NDF: 211611297980.2

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 103177510972.8/49

yield_bpm11Y_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1776797.4/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2500919.5/26

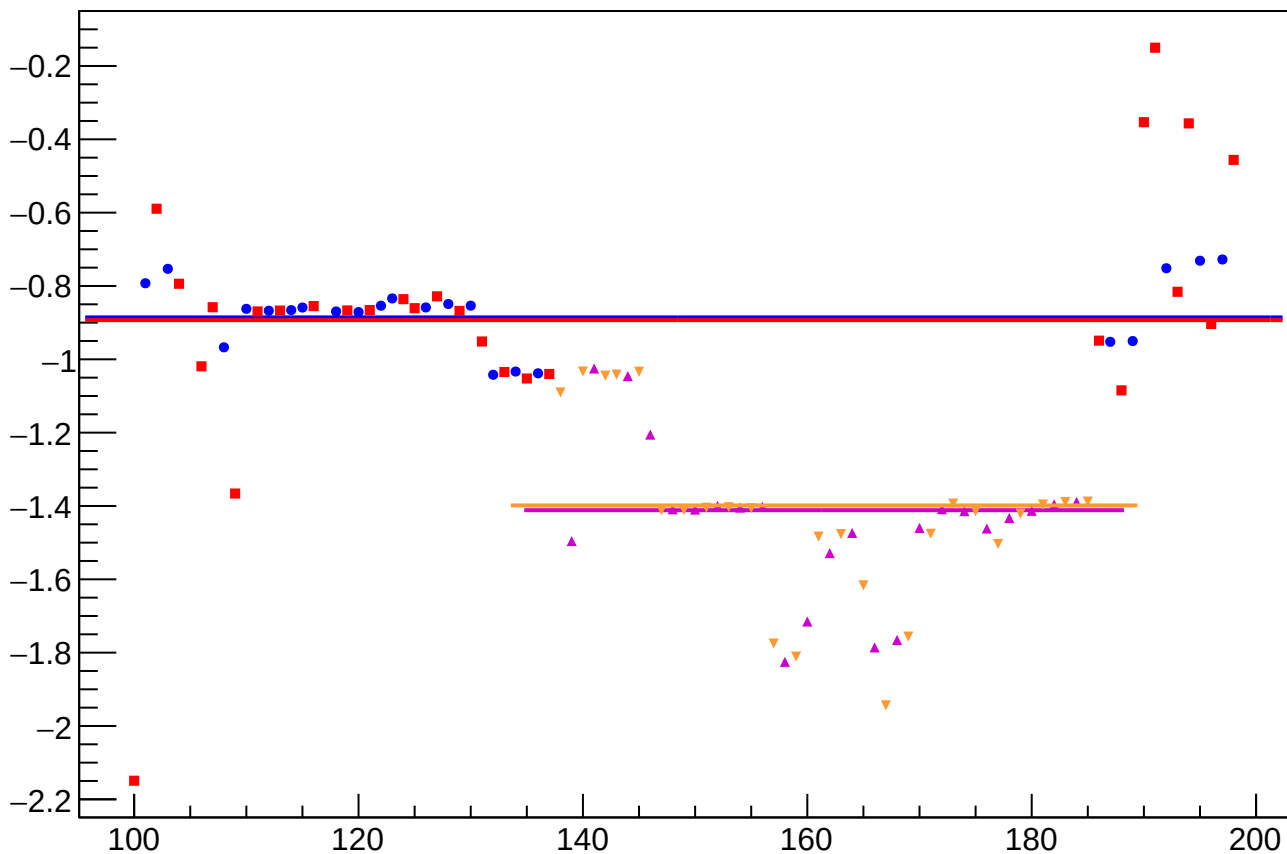
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5009164.7/46

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10685024.5/96

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5663025.9/49

yield_bpm12X_mean vs Slug



Right In: -0.886 ± 0.000 χ^2/NDF : 47872135.0/21

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.893 ± 0.000 χ^2/NDF : 258580118.7/26

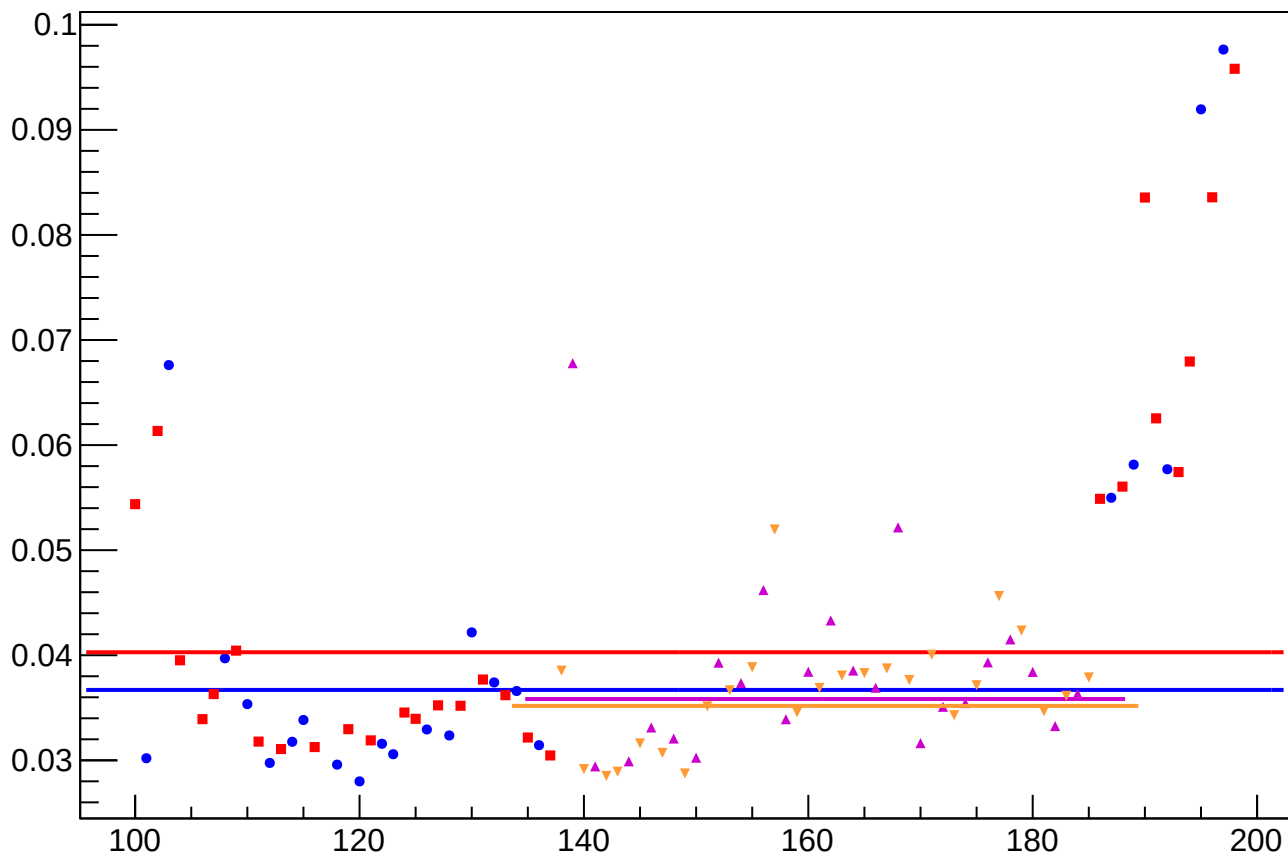
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.239 ± 0.000 χ^2/NDF : 1842987006.4/46

All: -1.238 ± 0.000 χ^2/NDF : 3701013220.2/9

- sign -1.236 ± 0.000 χ^2/NDF : 1857956556.7/49

yield_bpm12X_rms vs Slug



Right In: 0.037 $\pm$ 0.000 χ^2 /NDF: 1989953.6/21

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.040 $\pm$ 0.000 χ^2 /NDF: 2288902.0/26

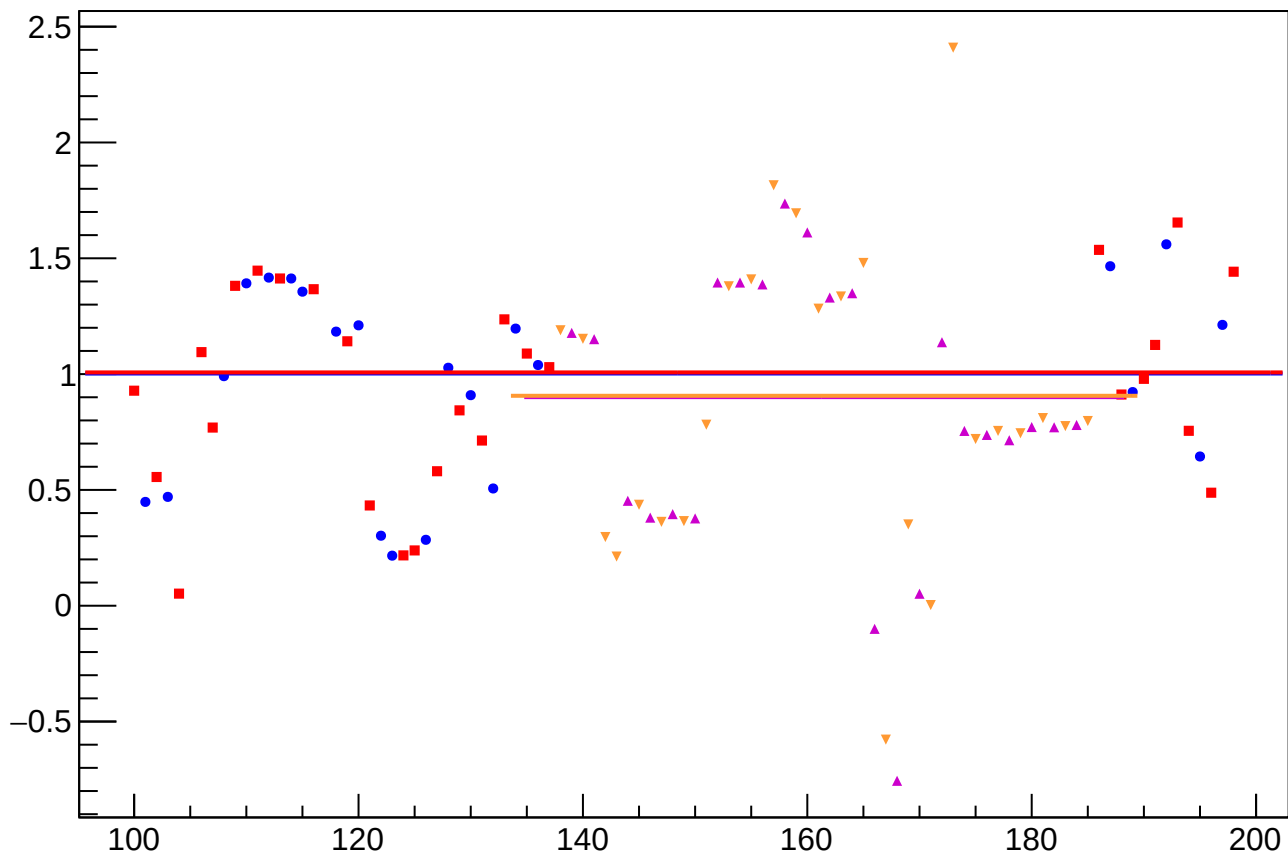
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 2606451.9/46

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 5999033.6/96

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 3340029.9/49

yield_bpm12Y_mean vs Slug



Right In: 1.003 $\pm$ 0.000 χ^2 /NDF: 14324928270.7/21

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

+ sign 0.935 $\pm$ 0.000 χ^2 /NDF: 99038558028.9/46

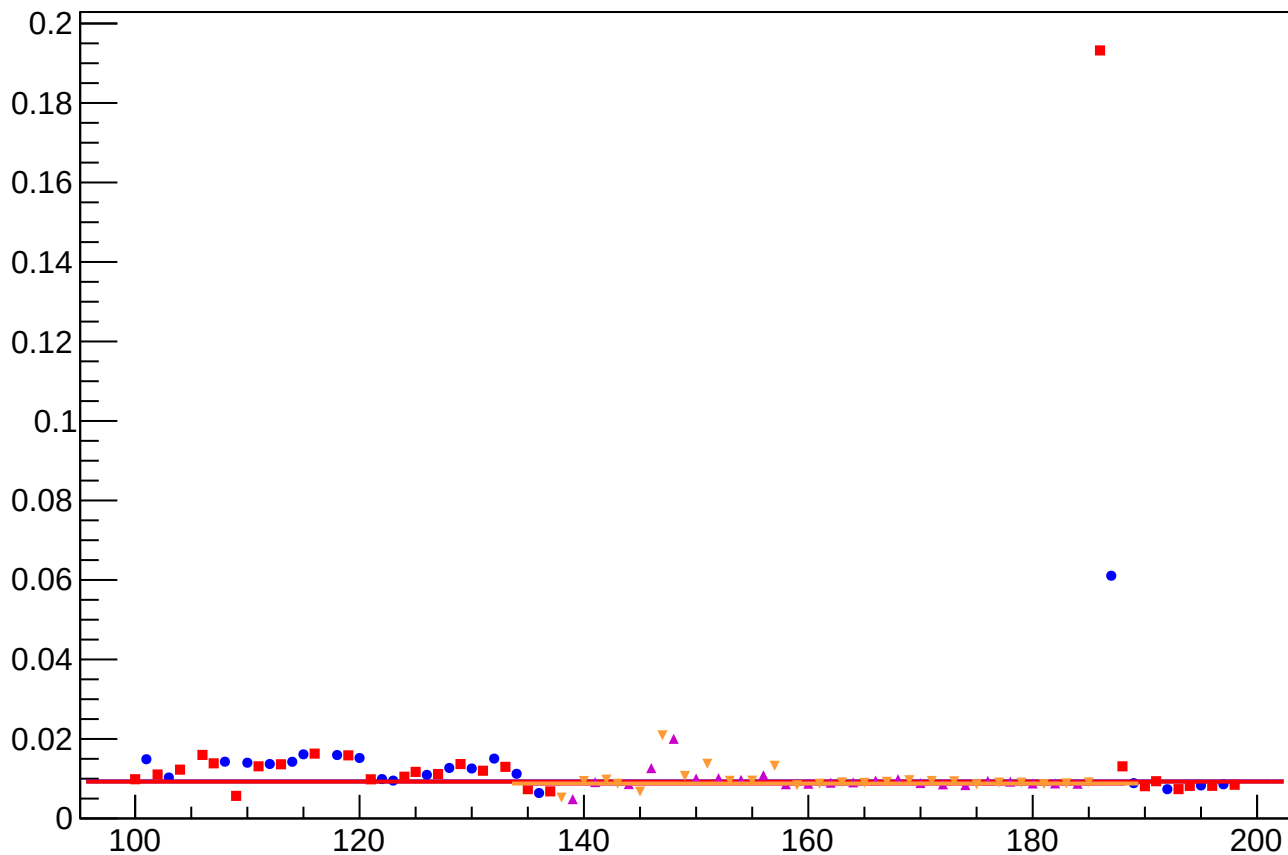
Right Out: 1.007 $\pm$ 0.000 χ^2 /NDF: 21540026725.3/26

All: 0.937 $\pm$ 0.000 χ^2 /NDF: 188358362866.4

Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

- sign 0.939 $\pm$ 0.000 χ^2 /NDF: 89317768910.0/49

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1665955.4/21

Left Out: 0.009+/-0.000 χ^2/NDF :1698526.2/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2170539.5/26

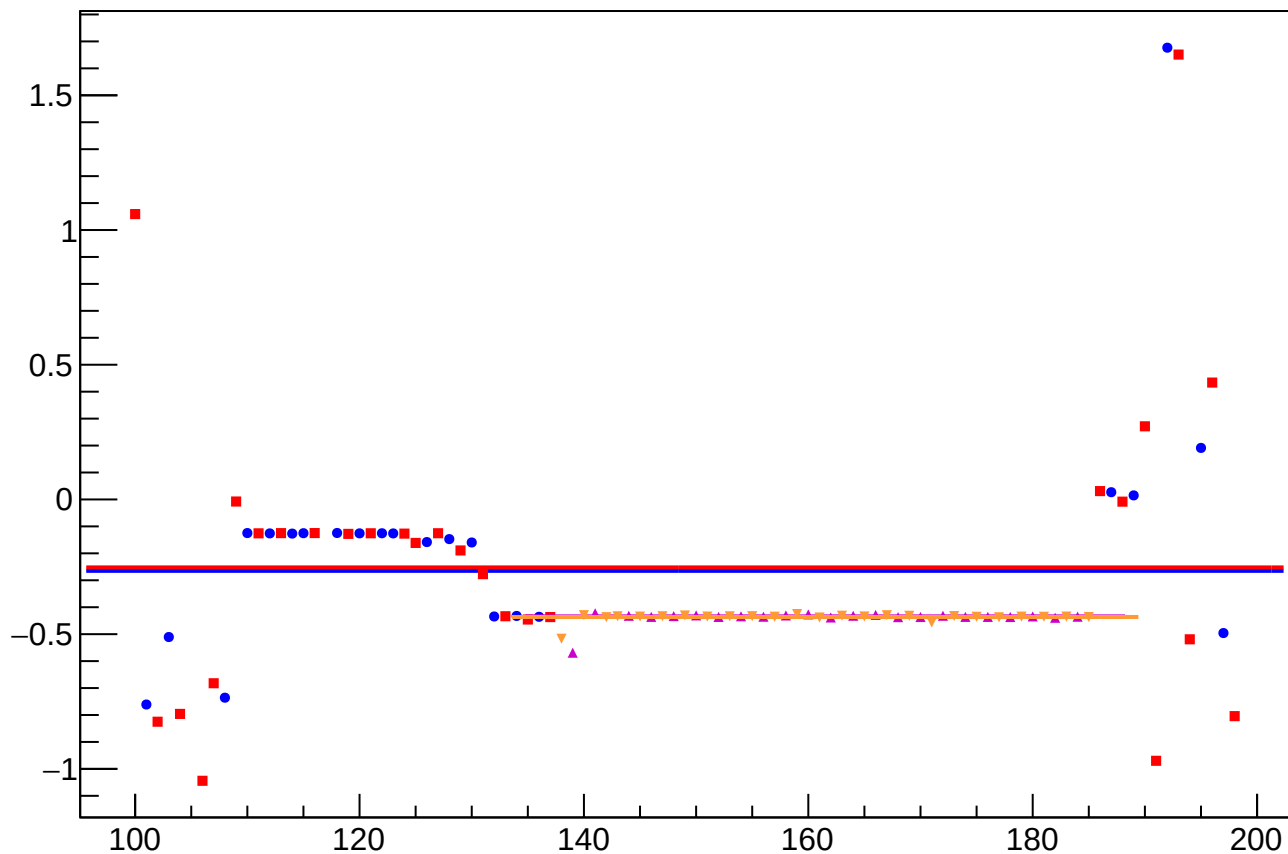
Left In: 0.009+/-0.000 χ^2/NDF :1669983.7/22

+ sign 0.009+/-0.000 χ^2/NDF : 3402024.4/46

All: 0.009+/-0.000 χ^2/NDF : 7284927.5/96

- sign 0.009+/-0.000 χ^2/NDF : 3882802.2/49

yield_bpm16X_mean vs Slug



Right In: -0.265+/-0.000 χ^2/NDF : 1890691099.8/21

Left Out: -0.436+/-0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.252+/-0.000 χ^2/NDF : 1880612995.1/26

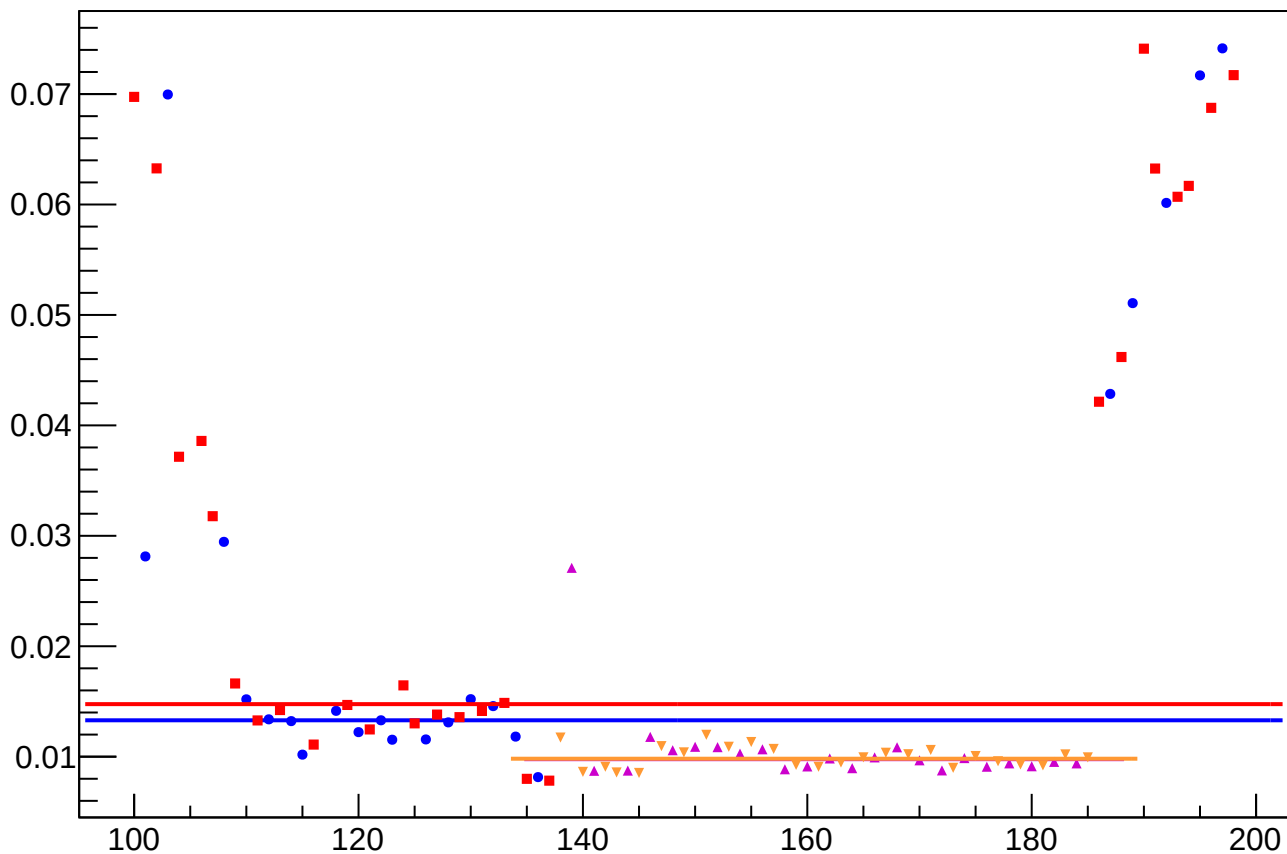
Left In: -0.434+/-0.000 χ^2/NDF : 20164730.3/22

+ sign -0.408+/-0.000 χ^2/NDF : 2709110484.3/46

All: -0.406+/-0.000 χ^2/NDF : 5468276949.9/99

- sign -0.403+/-0.000 χ^2/NDF : 2757200064.4/49

yield_bpm16X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 5458411.4/21

Left Out: 0.010+/-0.000 χ^2/NDF : 271172.3/24

Right Out: 0.015+/-0.000 χ^2/NDF : 7669262.6/26

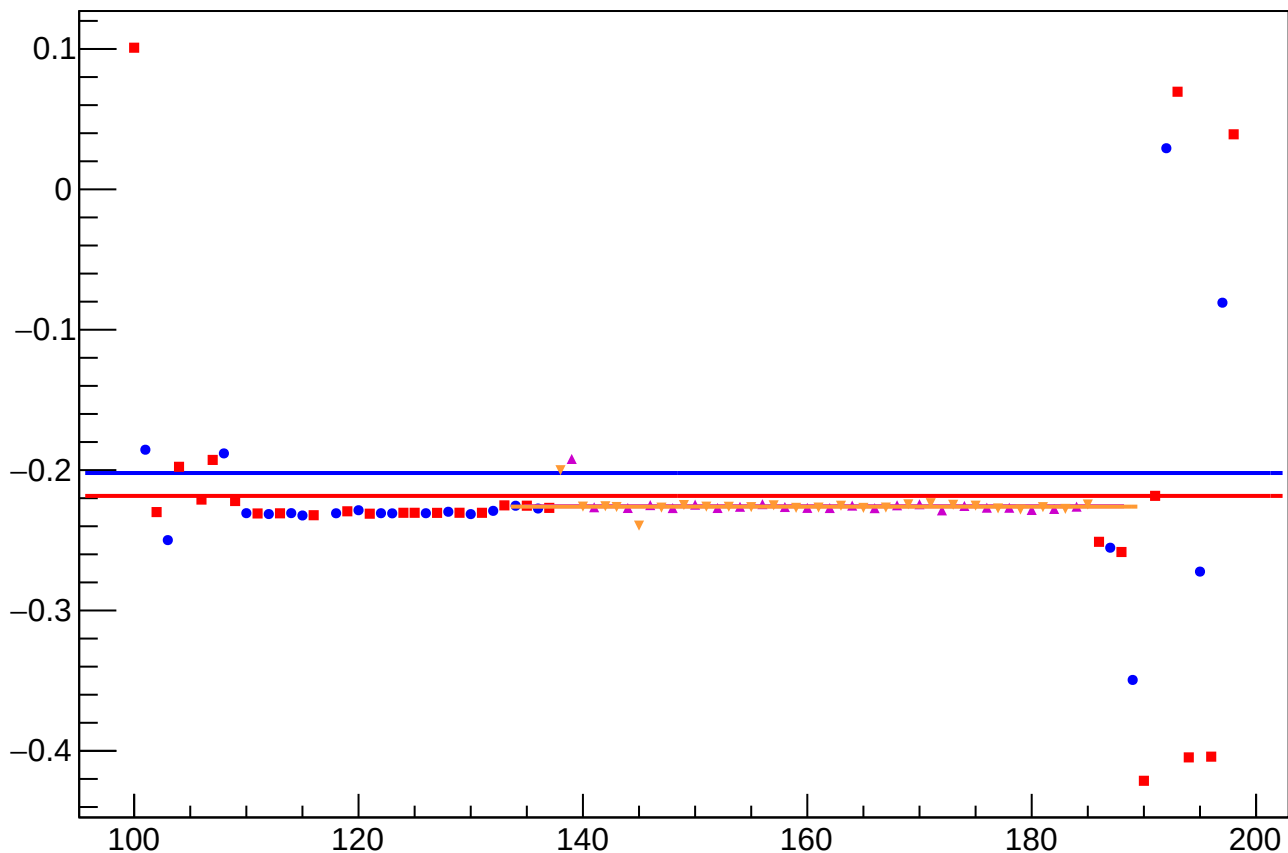
Left In: 0.010+/-0.000 χ^2/NDF : 786577.8/22

+ sign 0.010+/-0.000 χ^2/NDF : 6381432.3/46

All: 0.011+/-0.000 χ^2/NDF : 16135062.7/96

- sign 0.011+/-0.000 χ^2/NDF : 9744144.4/49

yield_bpm16Y_mean vs Slug



Right In: -0.202 ± 0.000 χ^2/NDF : 2259141895.0/21

Left Out: -0.226 ± 0.000 χ^2/NDF : 21207366.3/24

Right Out: -0.218 ± 0.000 χ^2/NDF : 5464306540.0/26

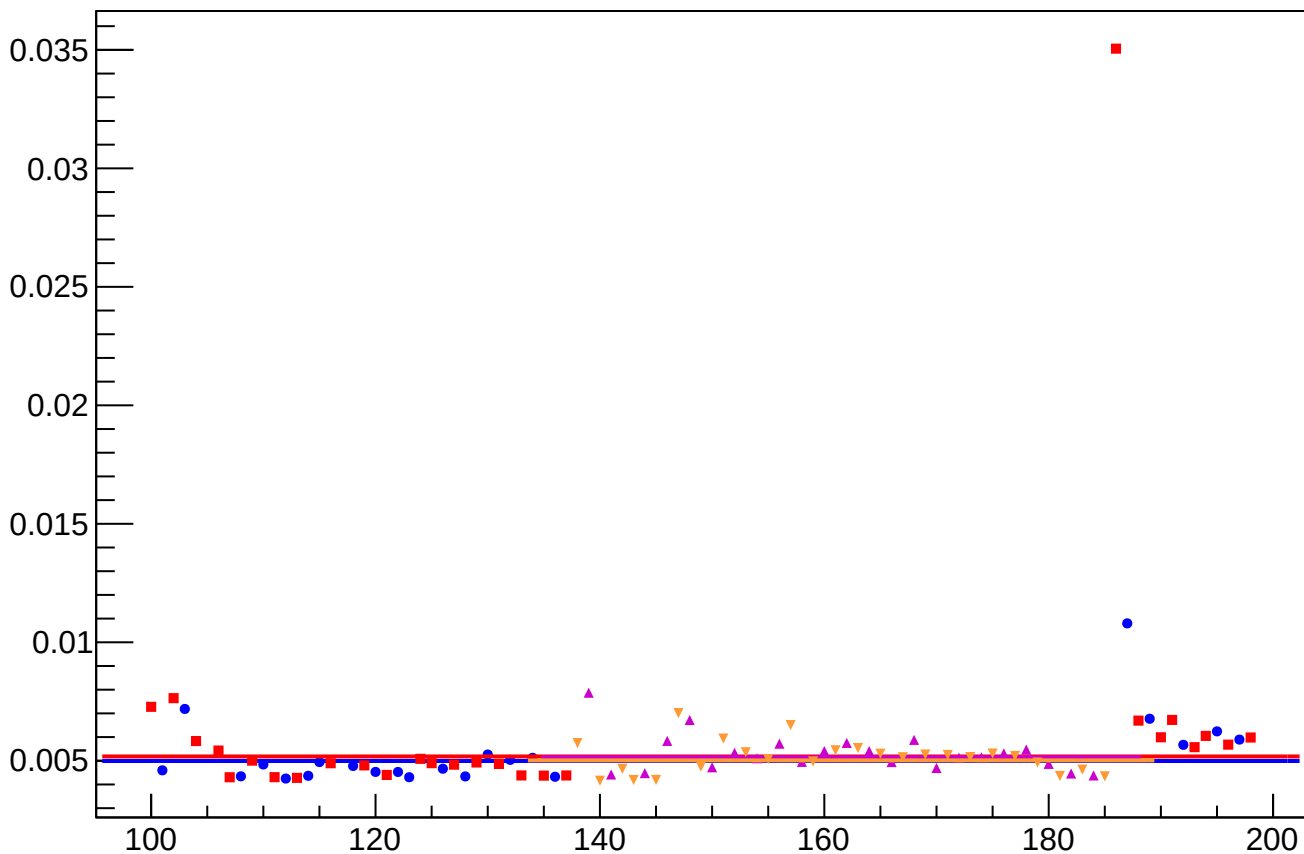
Left In: -0.226 ± 0.000 χ^2/NDF : 13717302.5/22

+ sign -0.218 ± 0.000 χ^2/NDF : 2413186400.1/46

All: -0.220 ± 0.000 χ^2/NDF : 7916732978.9/99

- sign -0.223 ± 0.000 χ^2/NDF : 5491158666.1/49

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 490177.8/21

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1054136.7/26

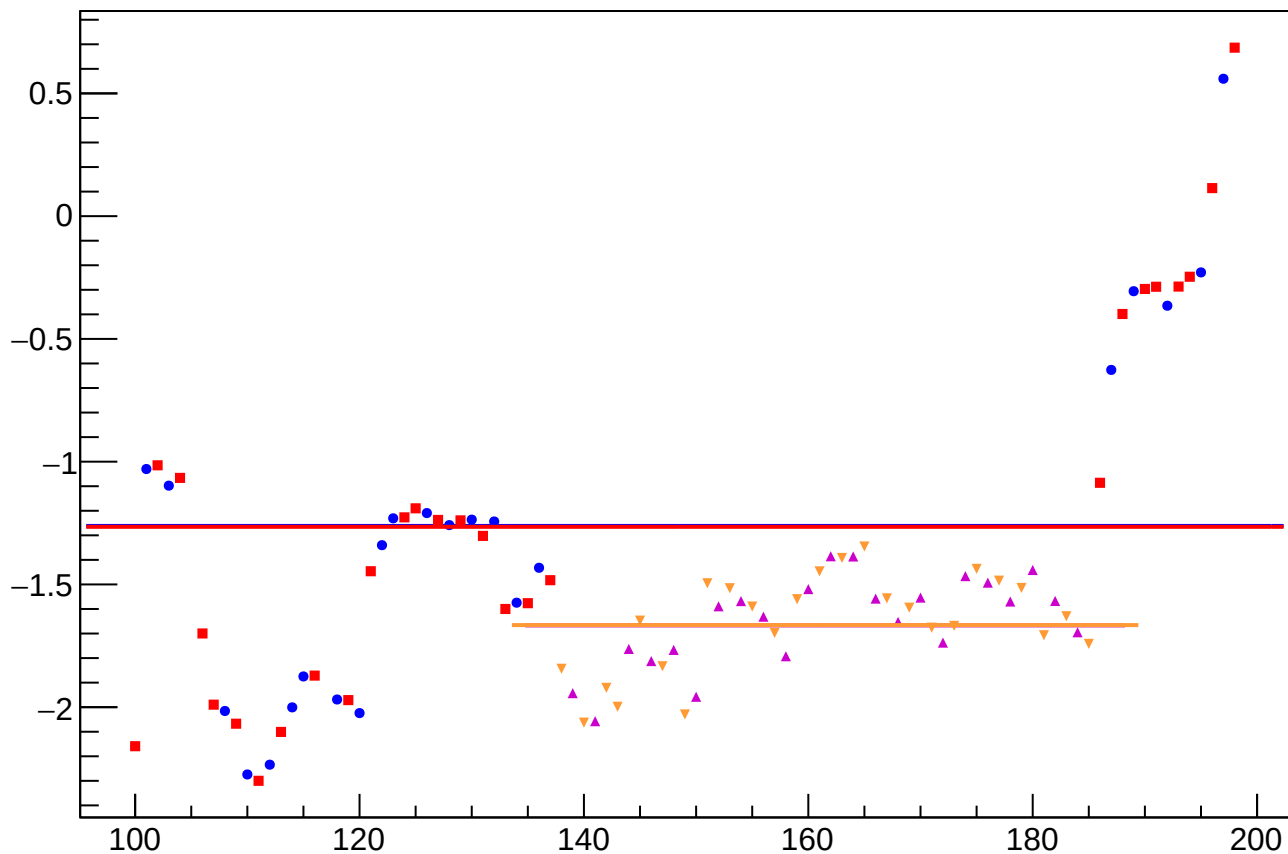
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 1023101.9/46

All: 0.005+/-0.000 χ^2/NDF : 2606465.3/96

- sign 0.005+/-0.000 χ^2/NDF : 1558696.3/49

yield_bpm0l01X_mean vs Slug



Right In: -1.262+/-0.000 χ^2/NDF : 70653127885.2/21

Left Out: -1.666+/-0.000 χ^2/NDF :18368038680.8/24

Right Out: -1.265+/-0.000 χ^2/NDF : 119687578286.8/26

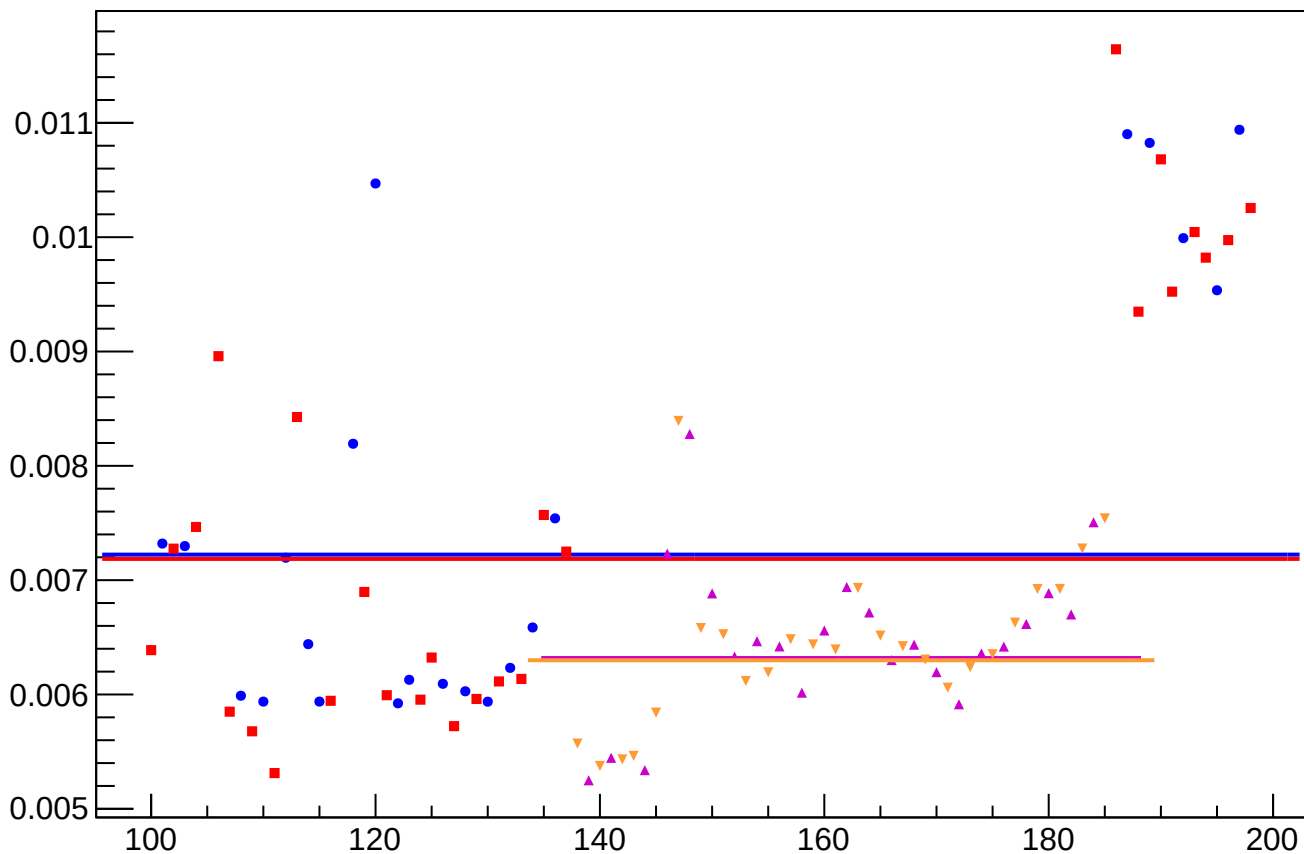
Left In: -1.667+/-0.000 χ^2/NDF :14615453869.3/22

+ sign -1.555+/-0.000 χ^2/NDF : 108758804192.4/46

All: -1.543+/-0.000 χ^2/NDF : 265878294174.6

- sign -1.531+/-0.000 χ^2/NDF : 156936930394.0/49

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 823580.4/21

Left Out: 0.006+/-0.000 χ^2/NDF :312811.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 1253257.9/26

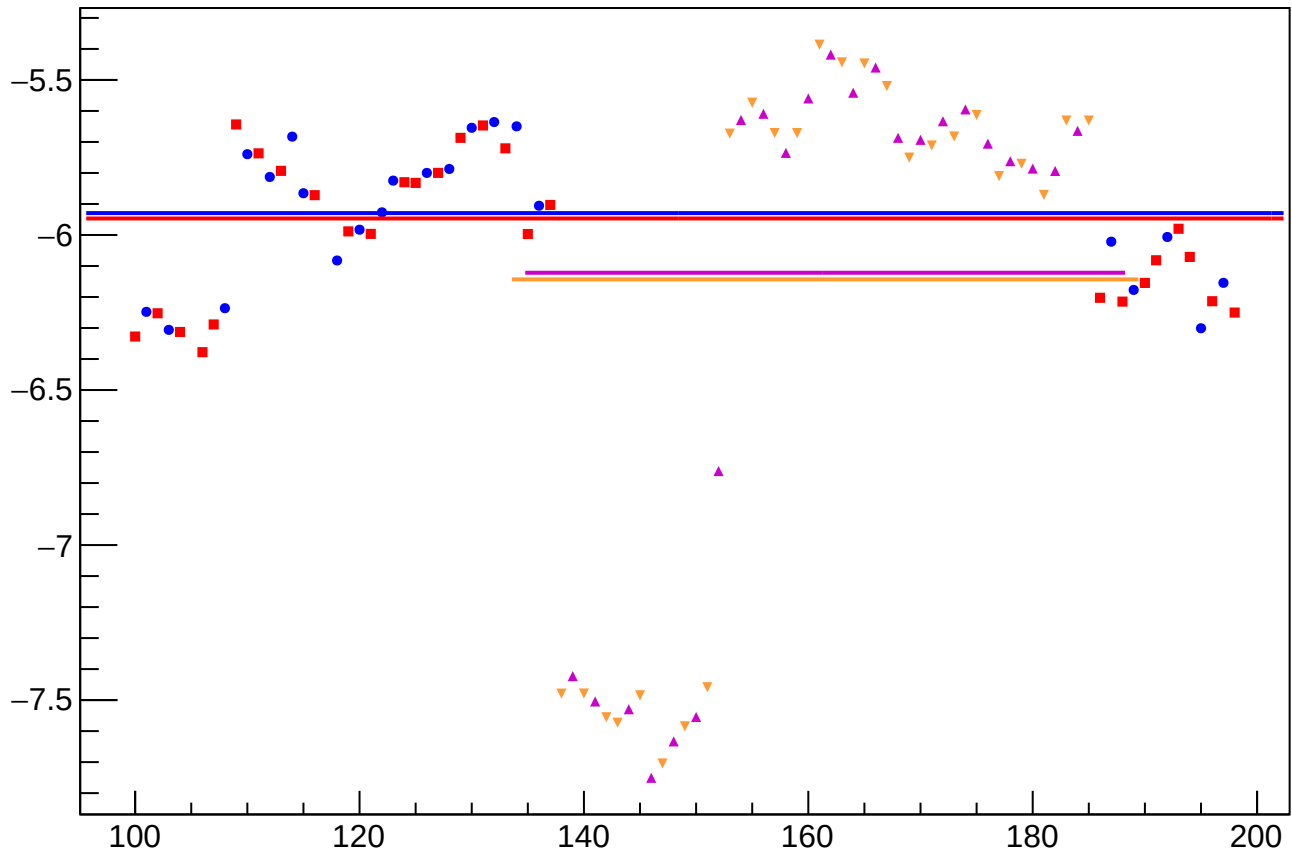
Left In: 0.006+/-0.000 χ^2/NDF :334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 1342992.2/46

All: 0.007+/-0.000 χ^2/NDF : 3143825.9/96

- sign 0.007+/-0.000 χ^2/NDF : 1798591.9/49

yield_bpm0l01Y_mean vs Slug



Right In: -5.929 ± 0.000 $\chi^2/\text{NDF}: 12278669346.8/21$

Left Out: -6.143 ± 0.000 $\chi^2/\text{NDF}: 185721259239.3/24$

Right Out: -5.947 ± 0.000 $\chi^2/\text{NDF}: 14459290070.3/26$

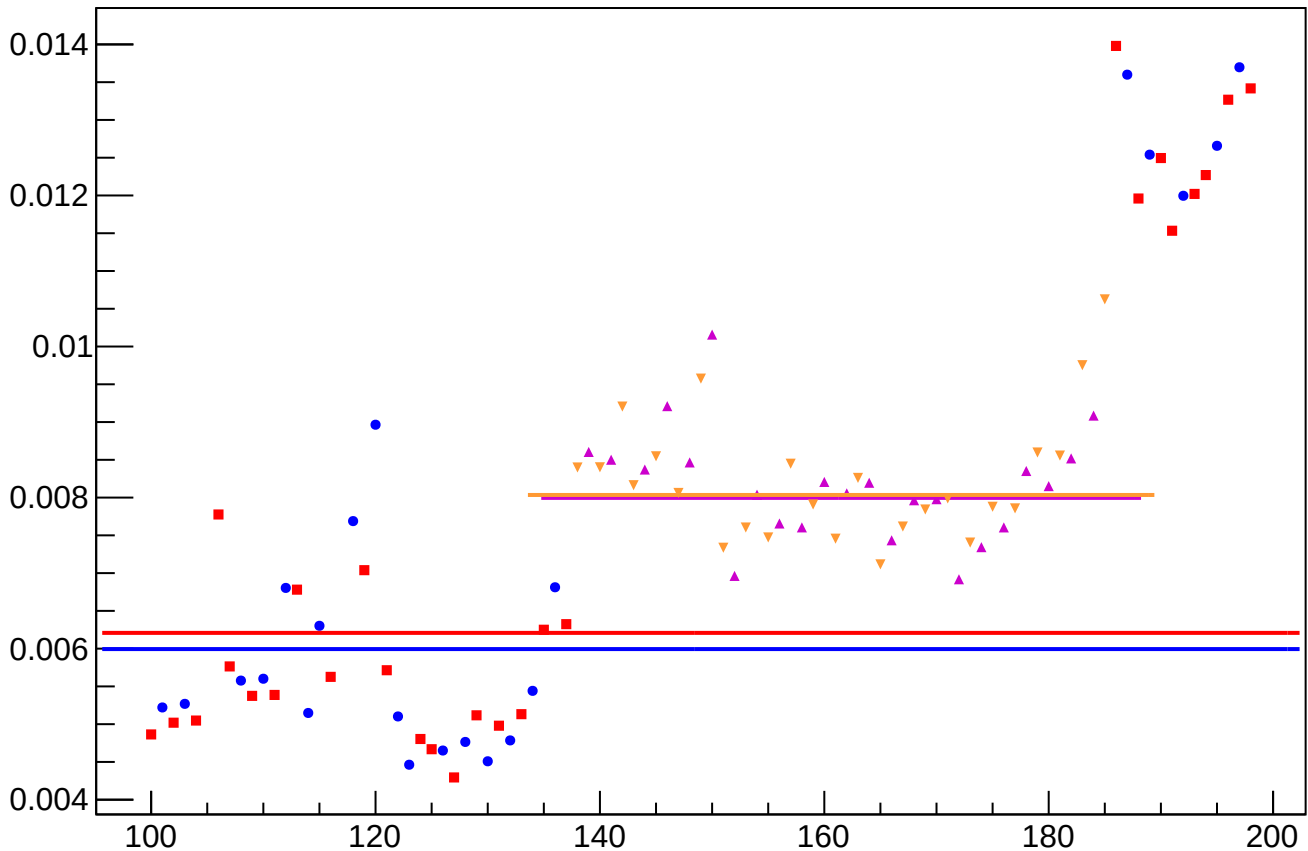
Left In: -6.122 ± 0.000 $\chi^2/\text{NDF}: 159909473006.6/22$

+ sign -6.045 ± 0.000 $\chi^2/\text{NDF}: 203420927745.6/46$

All: -6.039 ± 0.000 $\chi^2/\text{NDF}: 381667973475.0$

- sign -6.033 ± 0.000 $\chi^2/\text{NDF}: 178215042673.8/49$

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2146469.0/21

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 3077838.8/26

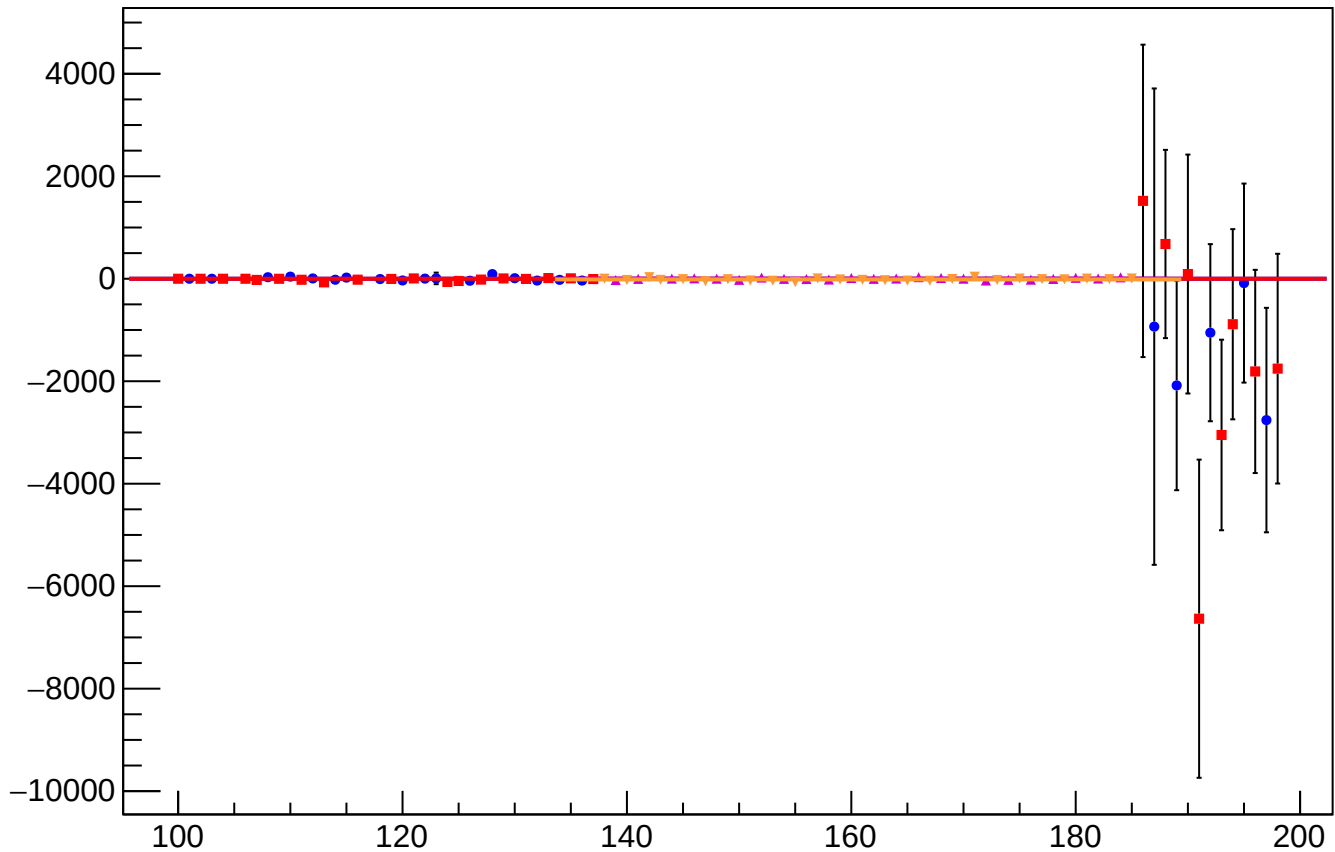
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 3339589.8/46

All: 0.007+/-0.000 χ^2/NDF : 7440133.6/96

- sign 0.007+/-0.000 χ^2/NDF : 4100542.2/49

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 19.3/21

Left Out: -13.472 $\pm$ 2.796 χ^2 /NDF: 58.5/24

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 24.3/26

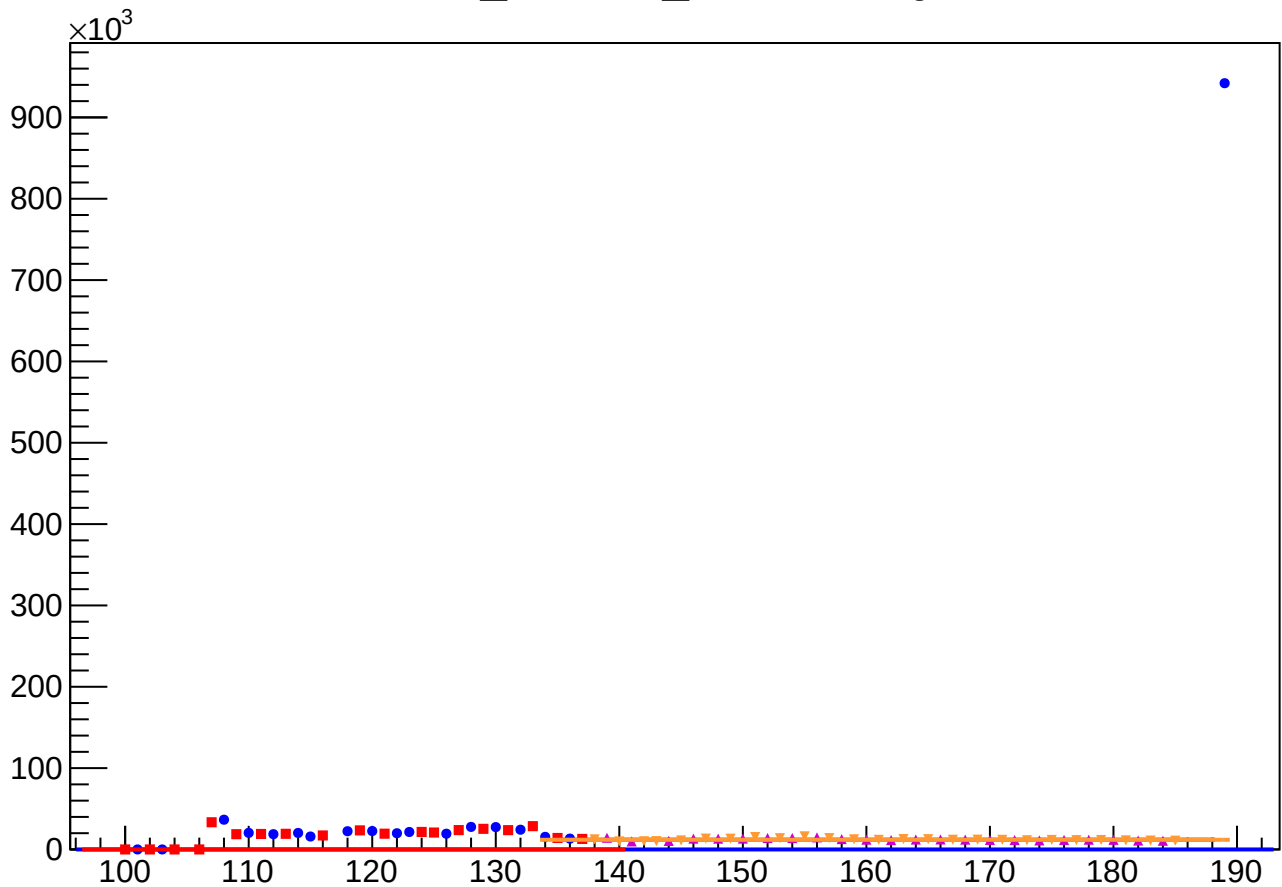
Left In: -0.489 $\pm$ 2.905 χ^2 /NDF: 28.7/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 101.1/46

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 154.2/96

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 53.0/49

diff_cav4bX_rms vs Slug



Right In: 18.640 ± 0.012 χ^2/NDF : 10982766.4/17

Left Out: 11909.835 ± 1.977 χ^2/NDF : 475310.2/24

Right Out: 18.311 ± 0.011 χ^2/NDF : 11056055.0/18

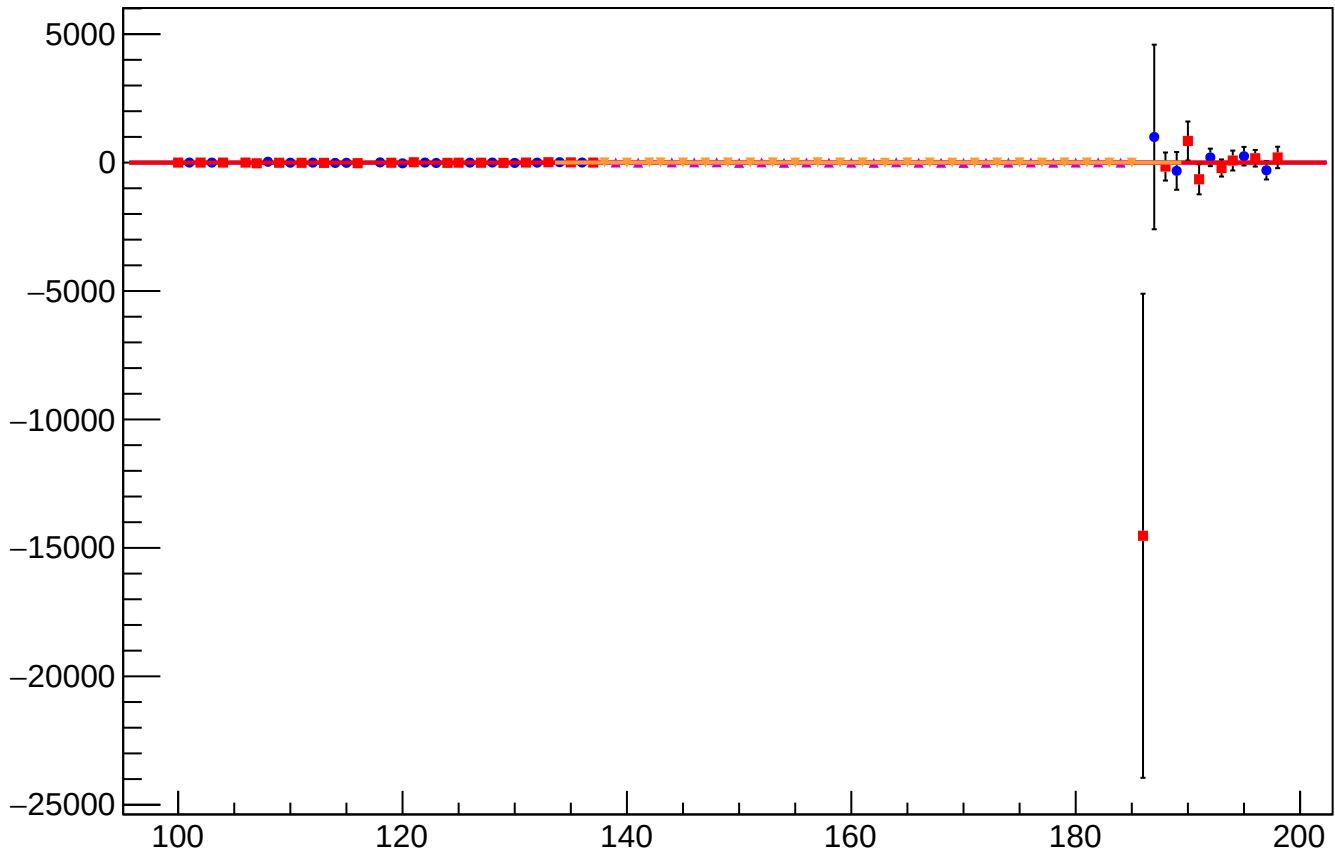
Left In: 12064.321 ± 2.054 χ^2/NDF : 372586.0/22

+ sign 19.097 ± 0.012 χ^2/NDF : 47623008.9/42

All: 18.873 ± 0.008 χ^2/NDF : 93432232.0/84

- sign 18.680 ± 0.011 χ^2/NDF : 45808598.7/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 16.4/21

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.5/26

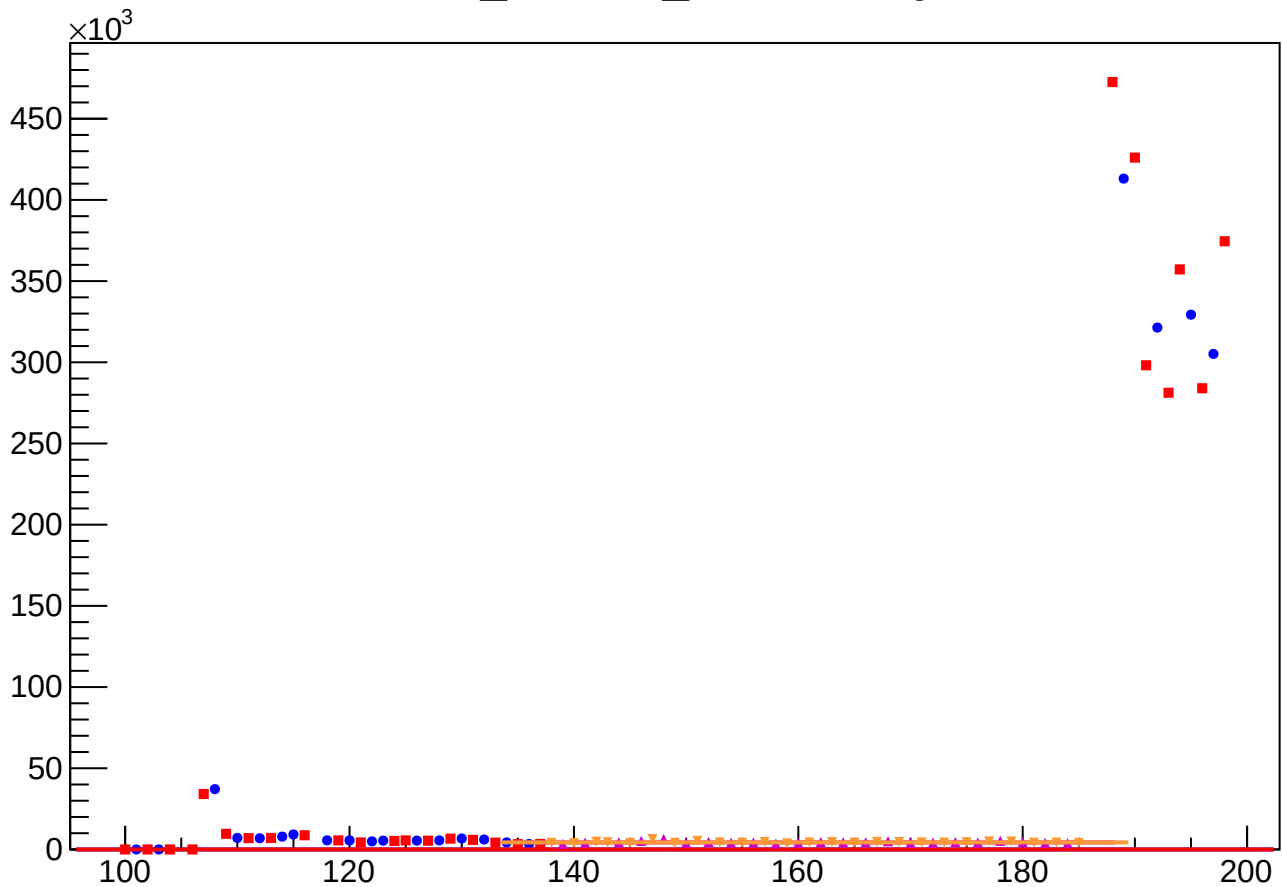
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 37.0/46

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 98.9/96

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.8/49

diff_cav4bY_rms vs Slug



Right In: 9.938 ± 0.007 χ^2/NDF : 16427657.8/20

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.855 ± 0.006 χ^2/NDF : 20008610.6/25

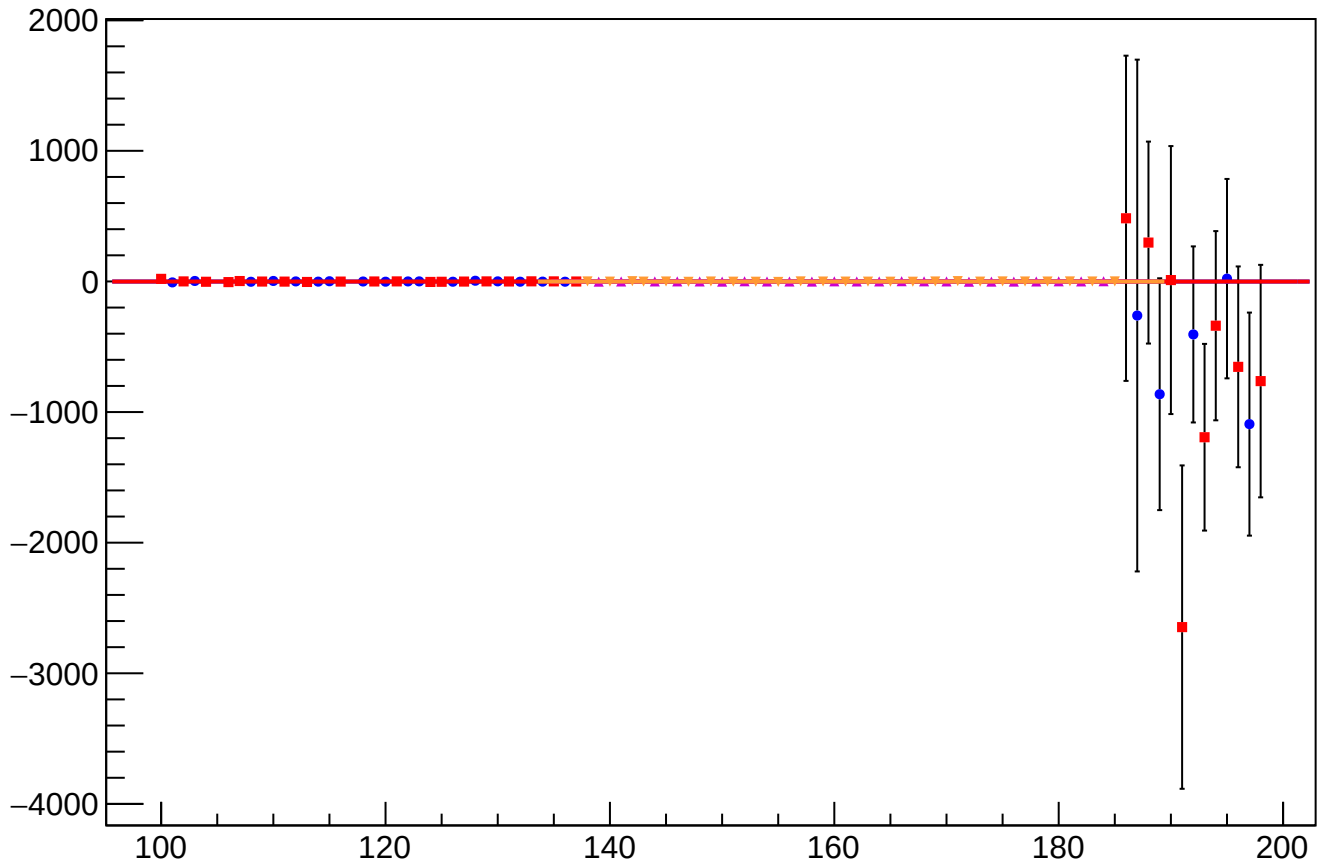
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.291 ± 0.007 χ^2/NDF : 52955643.2/45

All: 10.217 ± 0.004 χ^2/NDF : 107562150.0/94

- sign 10.151 ± 0.006 χ^2/NDF : 54606261.2/48

diff_cav4cX_mean vs Slug



Right In: -0.703 ± 0.485 χ^2/NDF : 25.5/21

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.762 ± 0.502 χ^2/NDF : 21.1/26

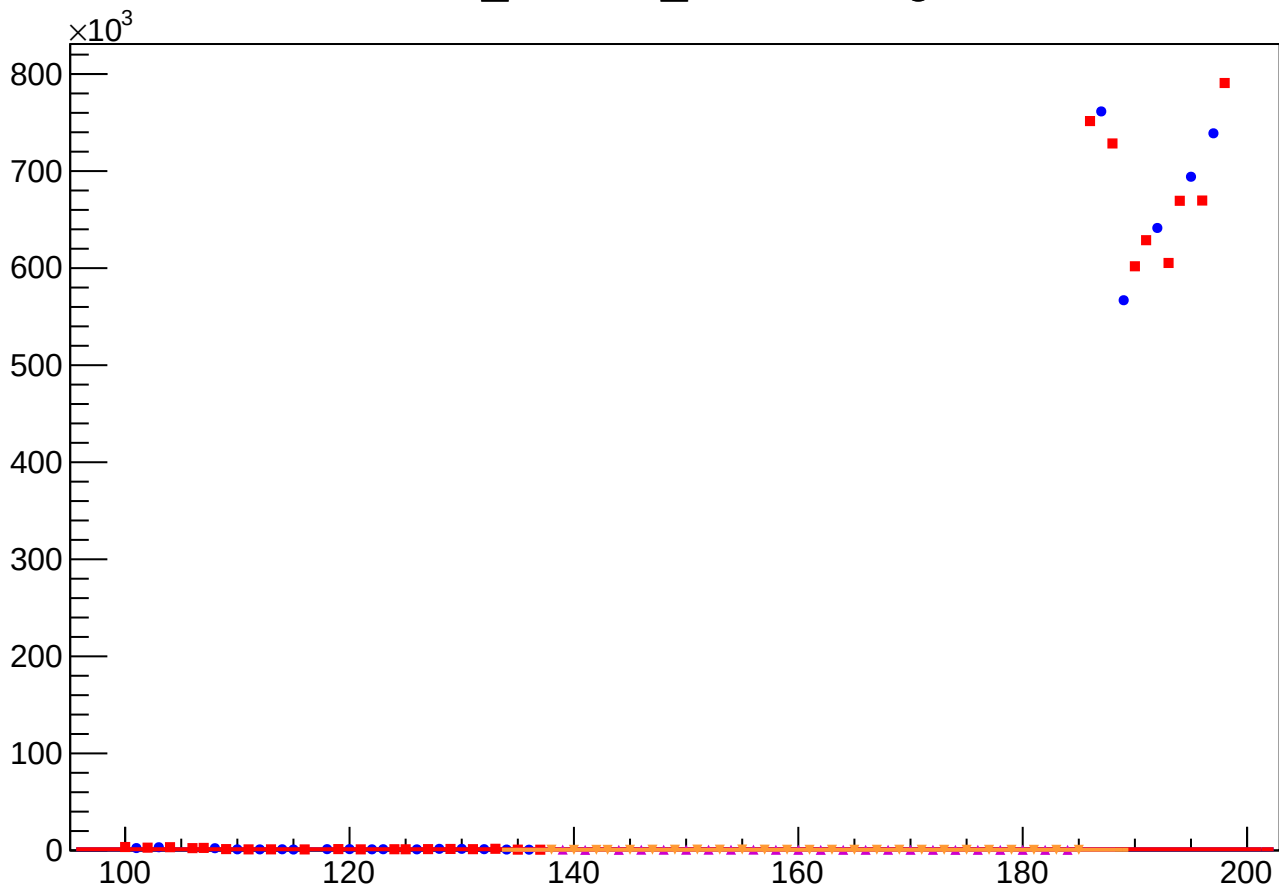
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 83.8/46

All: -0.444 ± 0.112 χ^2/NDF : 145.1/96

- sign -0.097 ± 0.161 χ^2/NDF : 52.3/49

diff_cav4cX_rms vs Slug



Right In: 1165.275 $\pm$ 0.343 χ^2 /NDF: 7638308.2/21

Left Out: 700.797 $\pm$ 0.116 χ^2 /NDF: 392521.4/24

Right Out: 1251.088 $\pm$ 0.355 χ^2 /NDF: 11466353.9/26

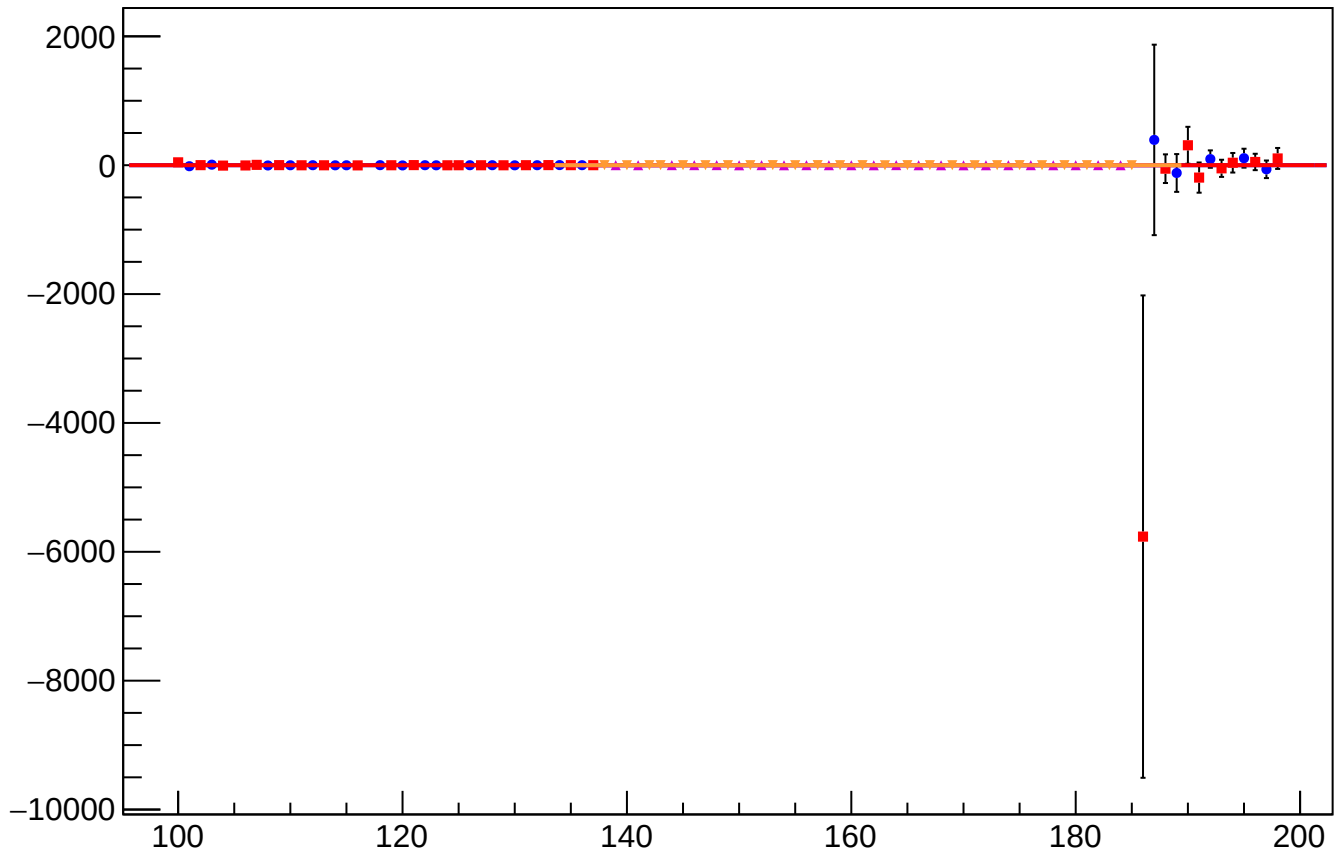
Left In: 706.950 $\pm$ 0.120 χ^2 /NDF: 338177.1/22

+ sign 748.612 $\pm$ 0.110 χ^2 /NDF: 9676238.0/46

All: 755.549 $\pm$ 0.079 χ^2 /NDF: 23596088.0/96

- sign 762.986 $\pm$ 0.114 χ^2 /NDF: 13911614.7/49

diff_cav4cY_mean vs Slug



Right In: -0.059 ± 0.271 χ^2/NDF : 22.4/21

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 25.7/26

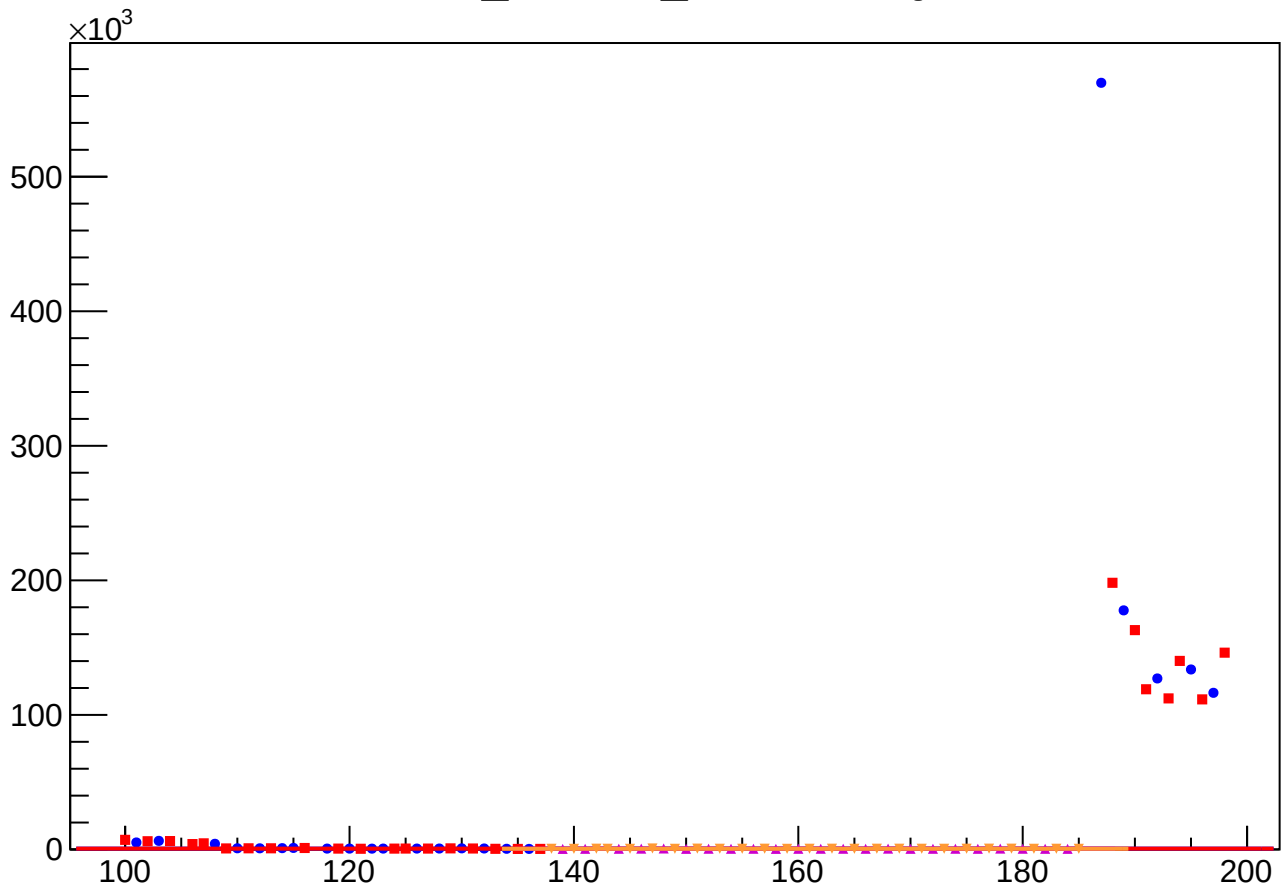
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.186 ± 0.112 χ^2/NDF : 41.0/46

All: 0.163 ± 0.080 χ^2/NDF : 102.0/96

- sign 0.139 ± 0.113 χ^2/NDF : 60.9/49

diff_cav4cY_rms vs Slug



Right In: 610.176 $\pm$ 0.191 χ^2 /NDF: 9008177.5/21

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF:331573.1/24

Right Out: 602.020 $\pm$ 0.187 χ^2 /NDF: 12502699.7/25

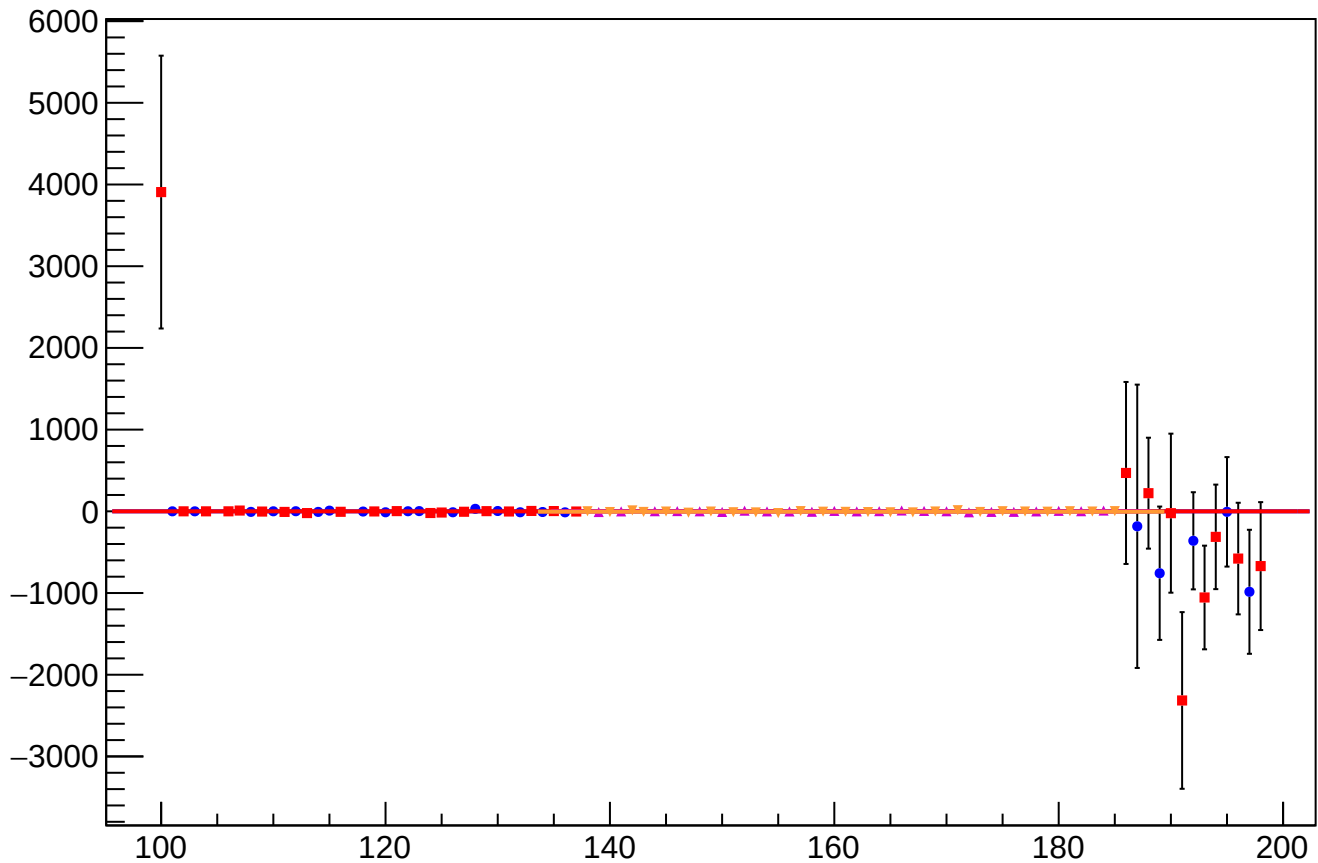
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF:444746.3/22

+ sign 537.342 $\pm$ 0.079 χ^2 /NDF: 9514379.6/46

All: 536.173 $\pm$ 0.056 χ^2 /NDF: 22619264.9/95

- sign 534.965 $\pm$ 0.080 χ^2 /NDF: 13104438.6/48

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 18.6/21

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 26.1/26

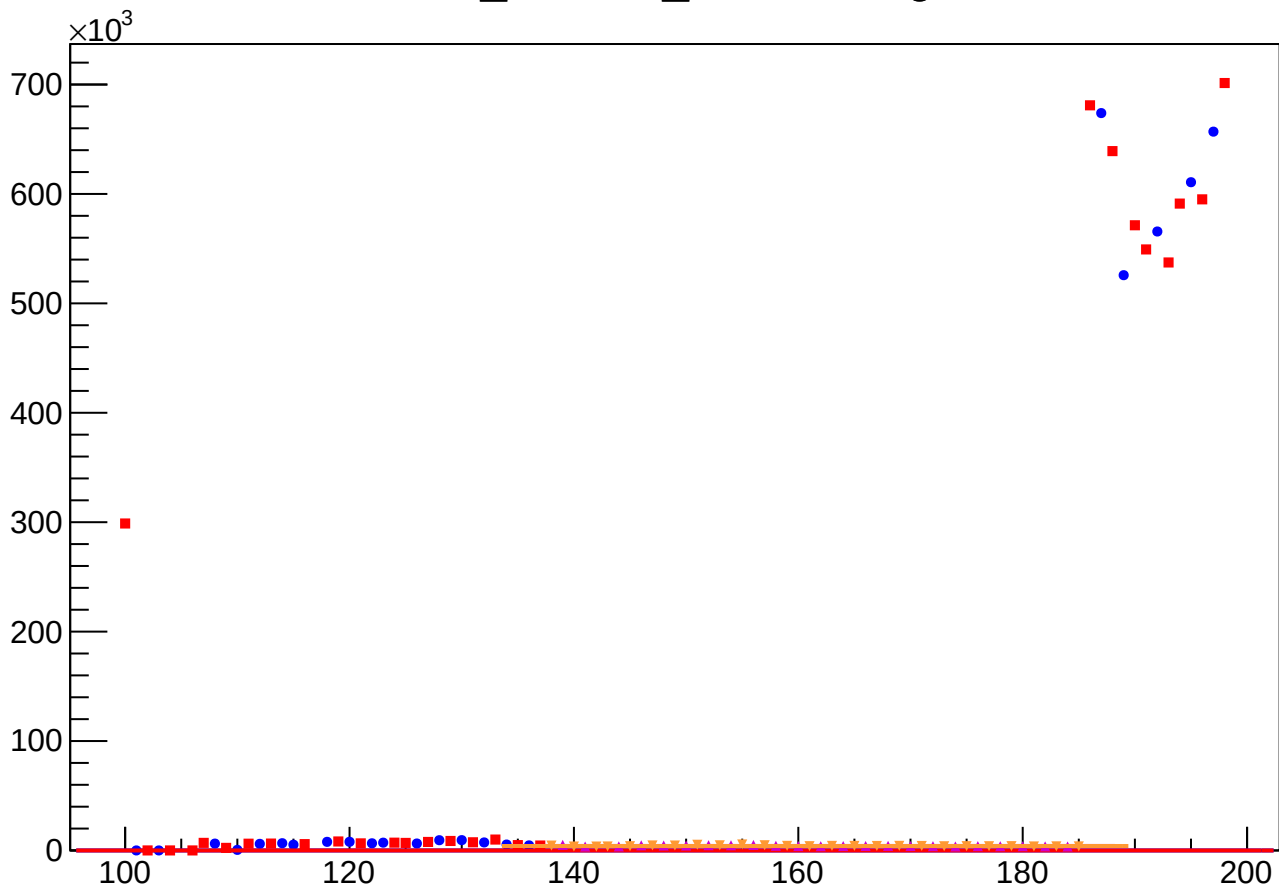
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 98.5/46

All: -0.025 ± 0.014 χ^2/NDF : 153.9/96

- sign -0.027 ± 0.020 χ^2/NDF : 55.4/49

diff_cav4dX_rms vs Slug



Right In: 17.338 ± 0.015 χ^2/NDF : 16418112.9/21

Left Out: 4074.257 ± 0.676 χ^2/NDF : 416916.0/24

Right Out: 17.270 ± 0.014 χ^2/NDF : 20729793.6/26

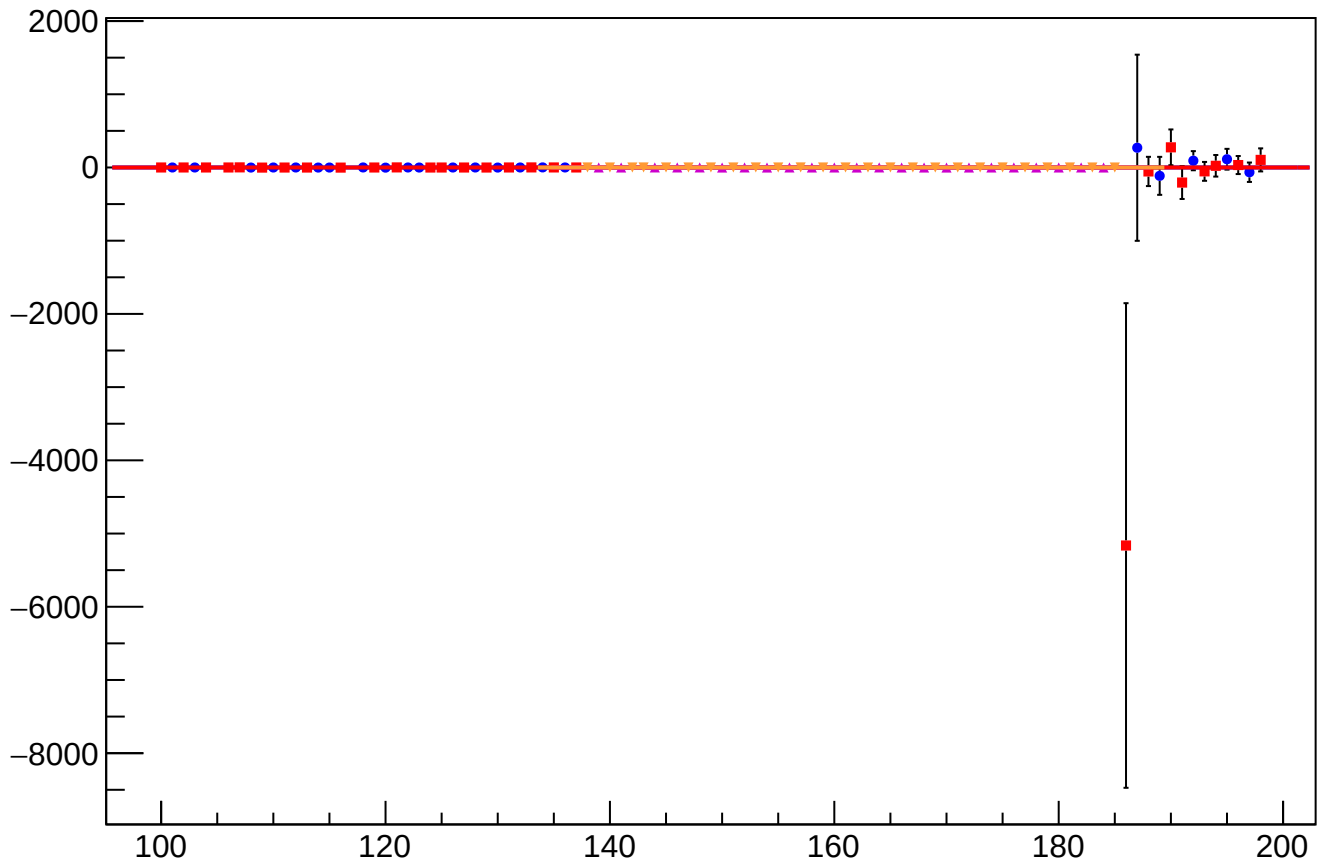
Left In: 4113.744 ± 0.700 χ^2/NDF : 354965.8/22

+ sign 19.258 ± 0.015 χ^2/NDF : 52868225.5/46

All: 19.072 ± 0.010 χ^2/NDF : 108170101.7/96

- sign 18.904 ± 0.014 χ^2/NDF : 55301571.2/49

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 16.9/21

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.4/26

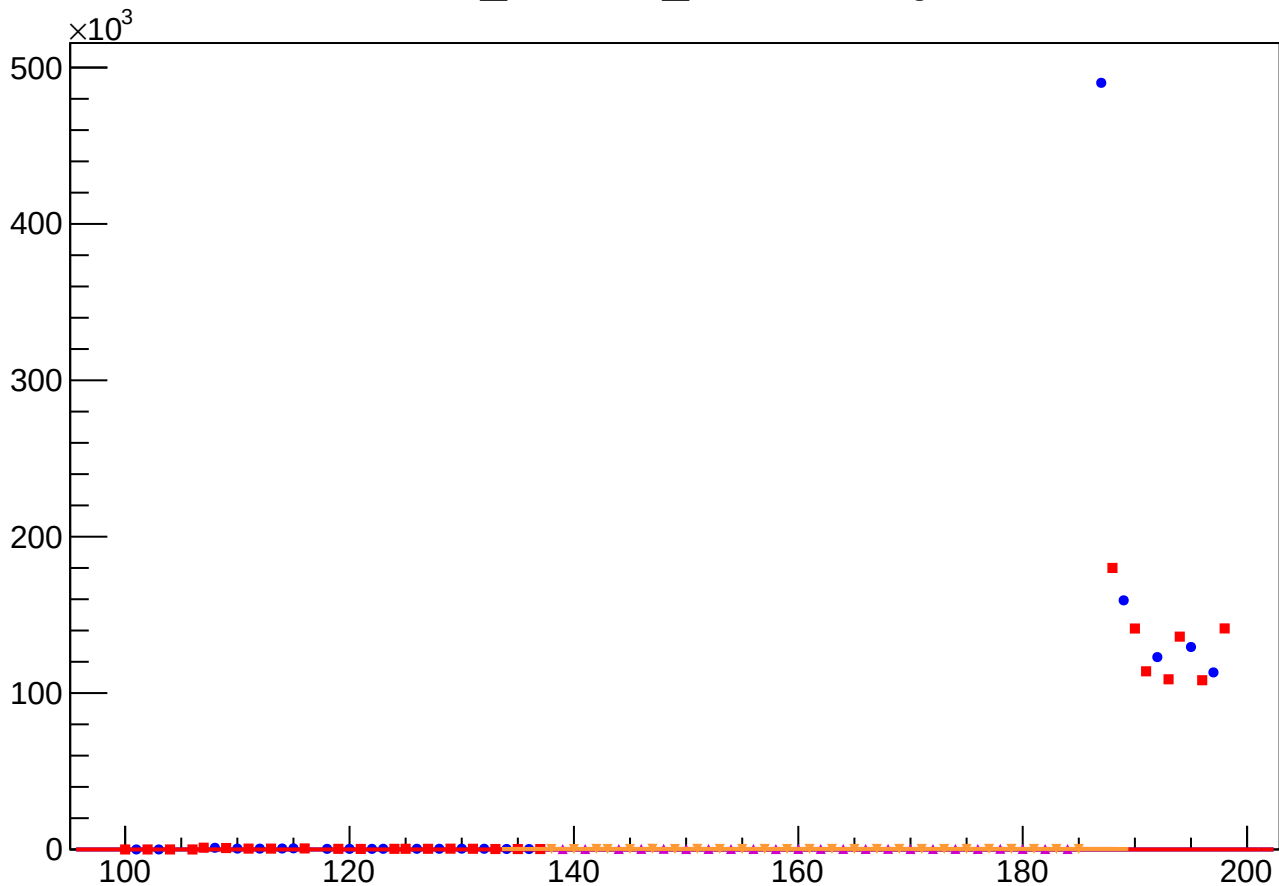
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 37.6/46

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 96.7/96

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.1/49

diff_cav4dY_rms vs Slug



Right In: 1.698 ± 0.001 χ^2/NDF : 16814894.7/21

Left Out: 325.469 ± 0.054 χ^2/NDF : 350046.8/24

Right Out: 1.728 ± 0.001 χ^2/NDF : 19782532.4/25

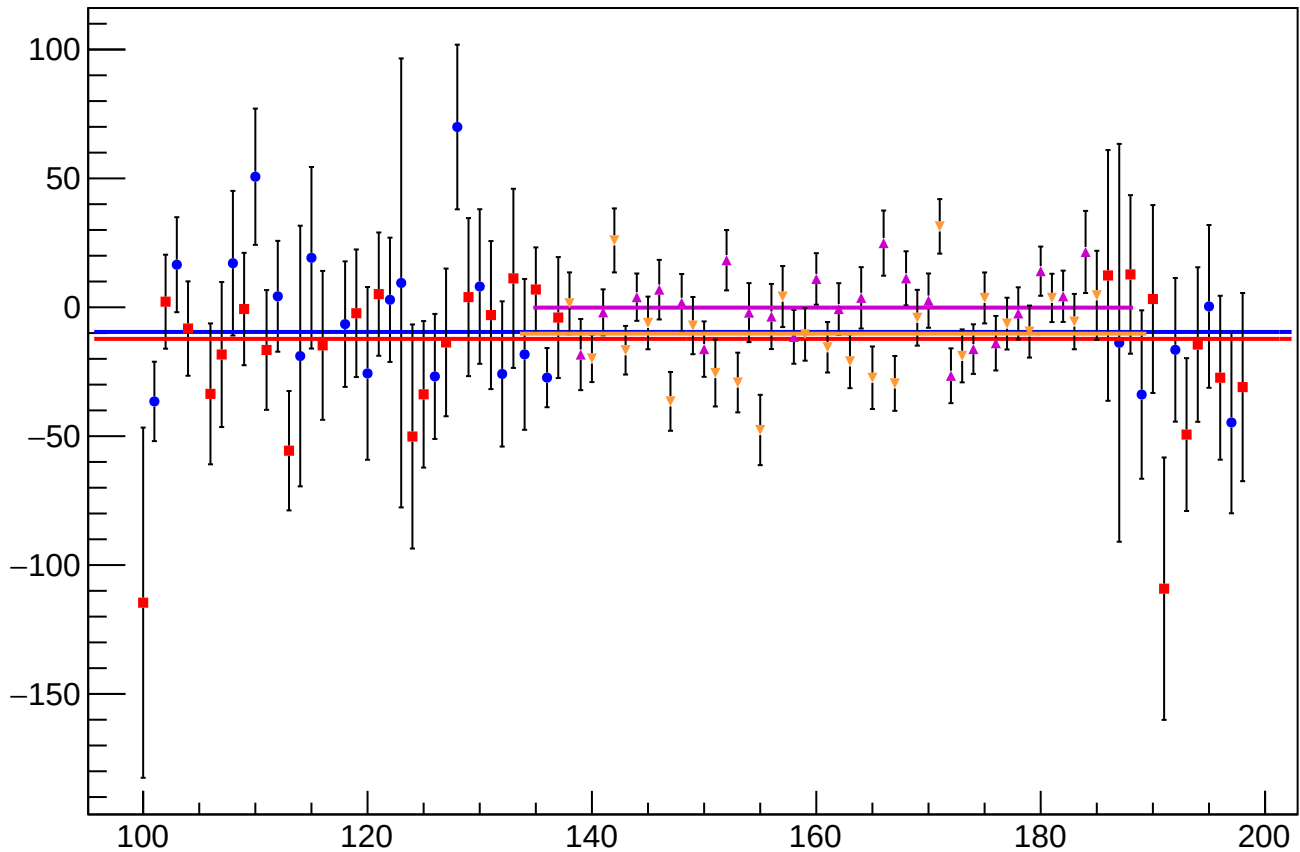
Left In: 325.201 ± 0.055 χ^2/NDF : 428069.7/22

+ sign 1.926 ± 0.001 χ^2/NDF : 53127251.4/46

All: 1.926 ± 0.001 χ^2/NDF : 107308836.4/95

- sign 1.926 ± 0.001 χ^2/NDF : 54181584.9/48

diff_bpm4aX_mean vs Slug



Right In: -9.567 ± 5.296 χ^2/NDF : 24.4/21

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -12.260 ± 5.166 χ^2/NDF : 18.6/26

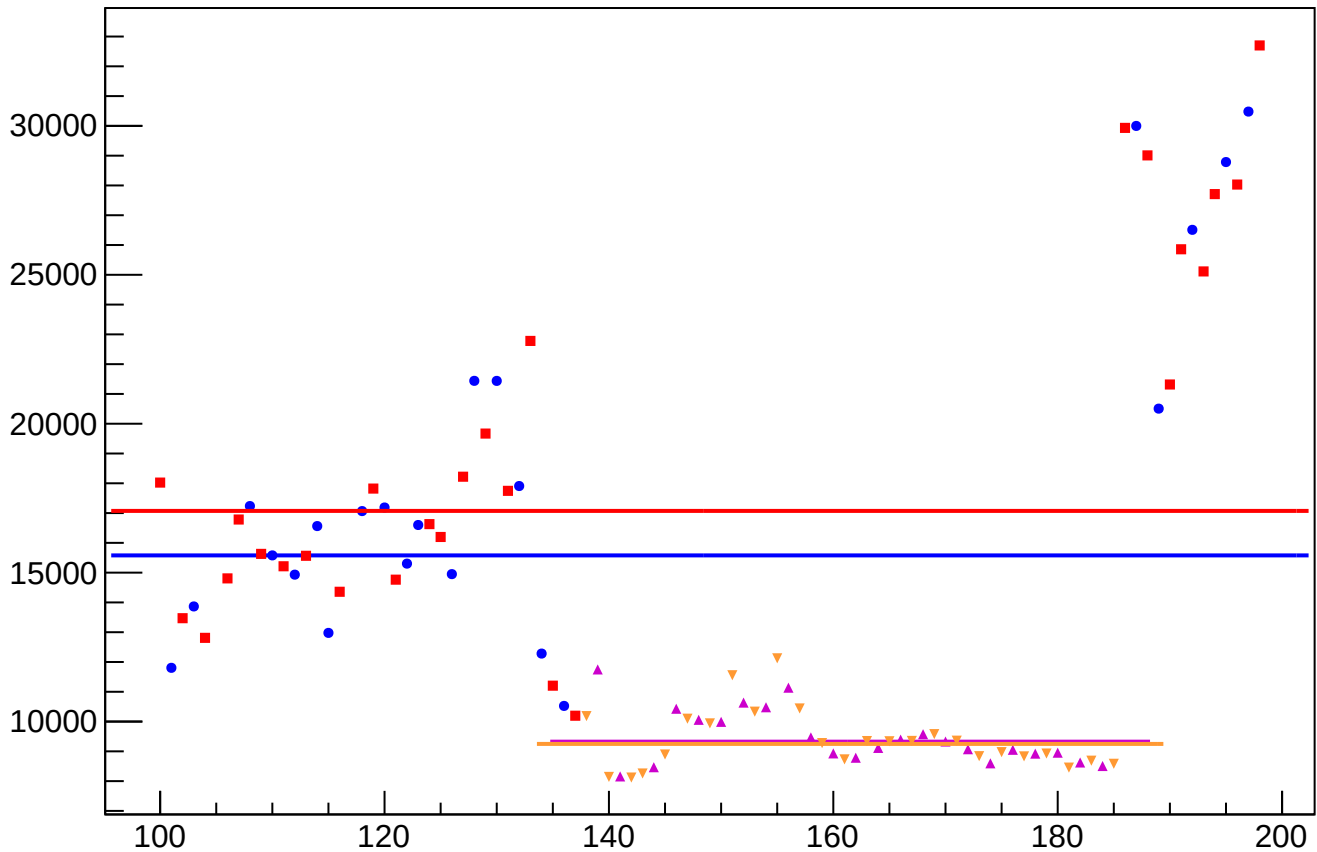
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.139 ± 2.005 χ^2/NDF : 82.4/46

All: -6.198 ± 1.436 χ^2/NDF : 143.4/96

- sign -2.053 ± 2.057 χ^2/NDF : 53.0/49

diff_bpm4aX_rms vs Slug



Right In: 15578.876 $\pm$ 3.745 χ^2 /NDF: 1872850.6/21

Left Out: 9249.358 $\pm$ 1.532 χ^2 /NDF:332003.4/24

Right Out: 17072.815 $\pm$ 3.653 χ^2 /NDF: 2303944.7/26

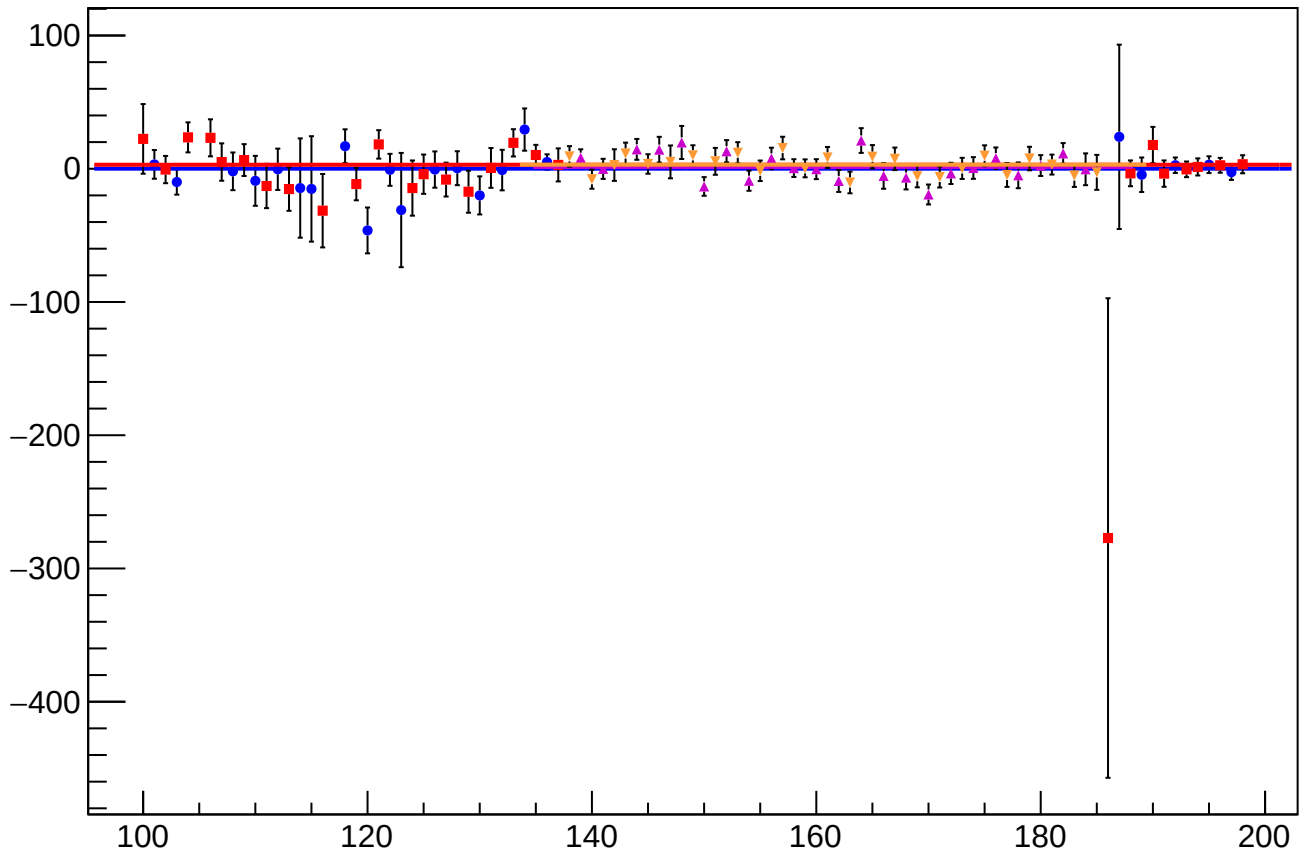
Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

+ sign 10156.860 $\pm$ 1.418 χ^2 /NDF: 4652075.4/46

All: 10350.024 $\pm$ 1.015 χ^2 /NDF: 11060286.0

- sign 10553.242 $\pm$ 1.454 χ^2 /NDF: 6370129.7/49

diff_bpm4aY_mean vs Slug



Right In: 0.062 ± 2.266 χ^2/NDF : 18.3/21

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 3.003 ± 2.006 χ^2/NDF : 25.2/26

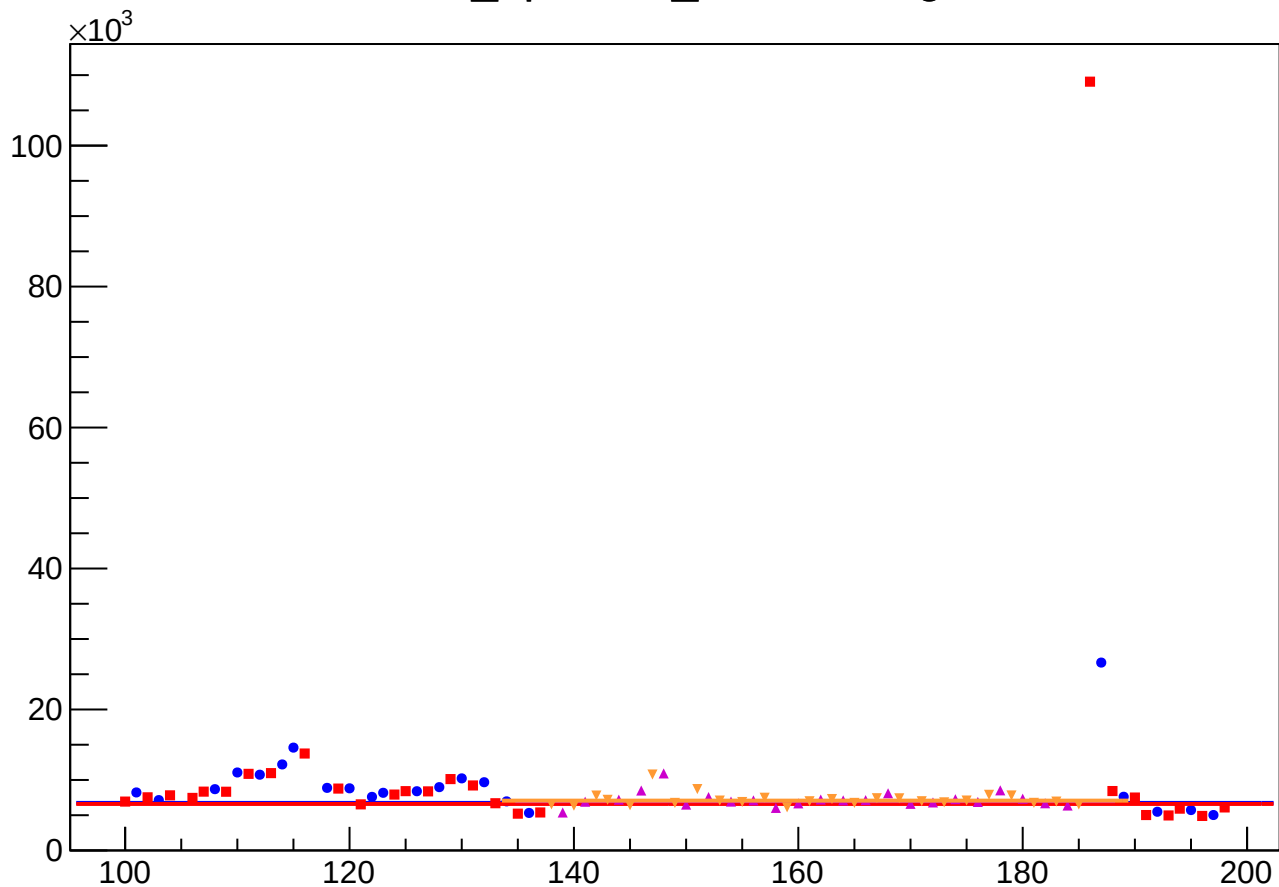
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.015 ± 1.339 χ^2/NDF : 37.7/46

All: 2.041 ± 0.930 χ^2/NDF : 98.7/96

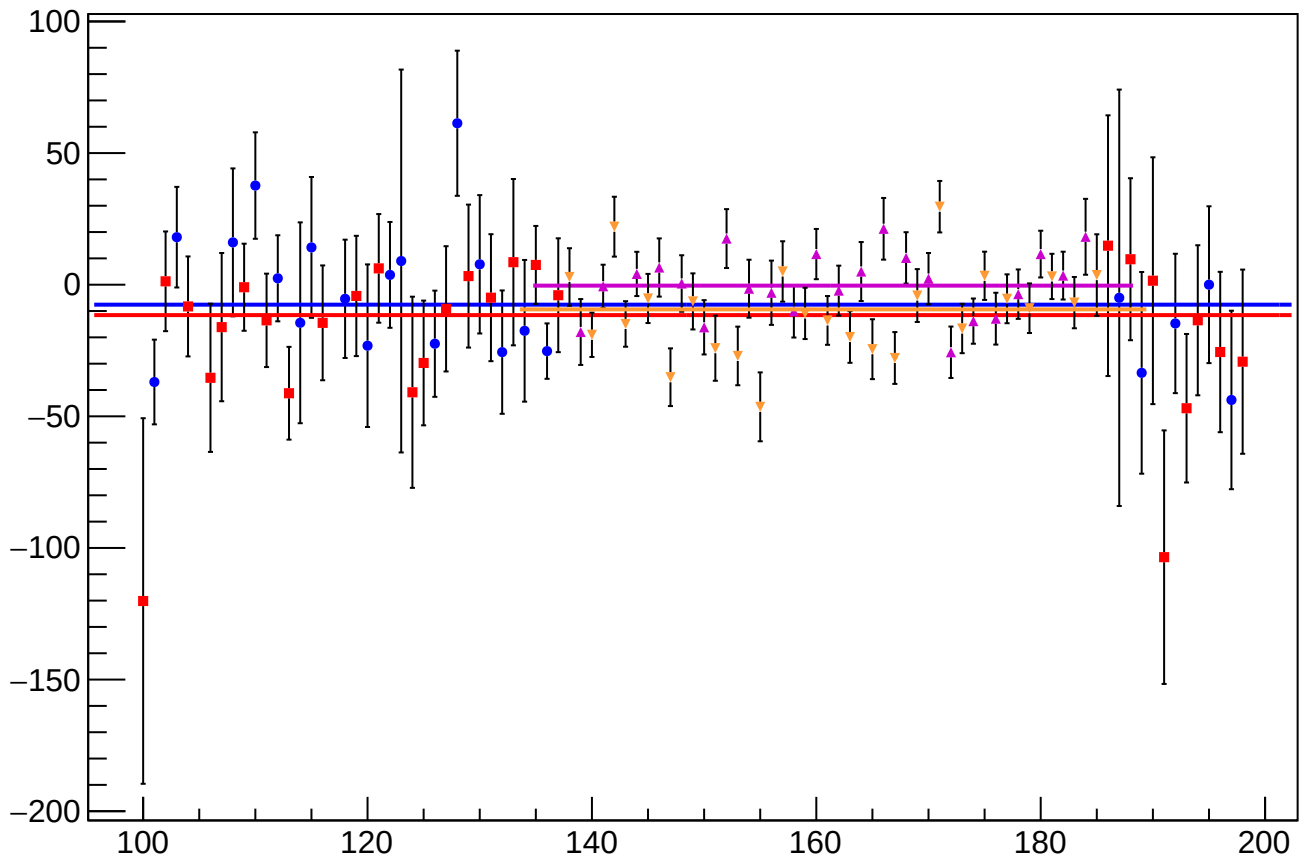
- sign 2.064 ± 1.294 χ^2/NDF : 61.0/49

diff_bpm4aY_rms vs Slug



Right In: 6744.304 ± 1.603 $\chi^2/\text{NDF}: 1435172.9/21$ + sign 6954.321 ± 0.947 $\chi^2/\text{NDF}: 1848995.3/46$
 Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$ All: 6892.025 ± 0.658 $\chi^2/\text{NDF}: 4526200.5/96$
 Right Out: 6599.931 ± 1.418 $\chi^2/\text{NDF}: 2072210.0/26$ - sign 6833.830 ± 0.915 $\chi^2/\text{NDF}: 2668827.2/49$
 Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

diff_bpm4eX_mean vs Slug



Right In: -7.584 ± 4.792 χ^2/NDF : 25.0/21

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -11.548 ± 4.636 χ^2/NDF : 18.1/26

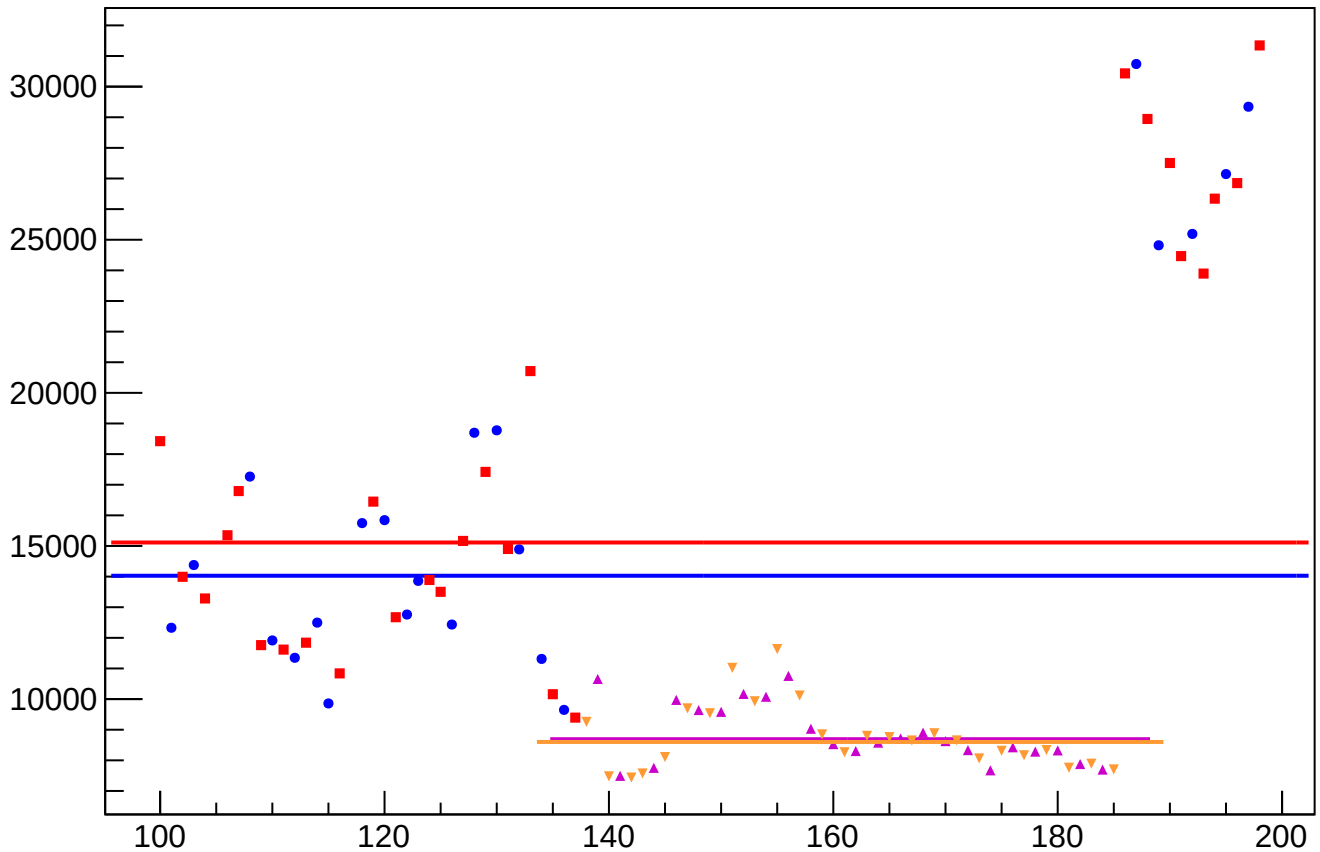
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.106 ± 1.860 χ^2/NDF : 83.5/46

All: -5.763 ± 1.331 χ^2/NDF : 142.7/96

- sign -2.248 ± 1.907 χ^2/NDF : 52.6/49

diff_bpm4eX_rms vs Slug



Right In: 14028.094+/-3.388 χ^2/NDF : 2107610.9/21

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 15113.704+/-3.278 χ^2/NDF : 2872504.0/26

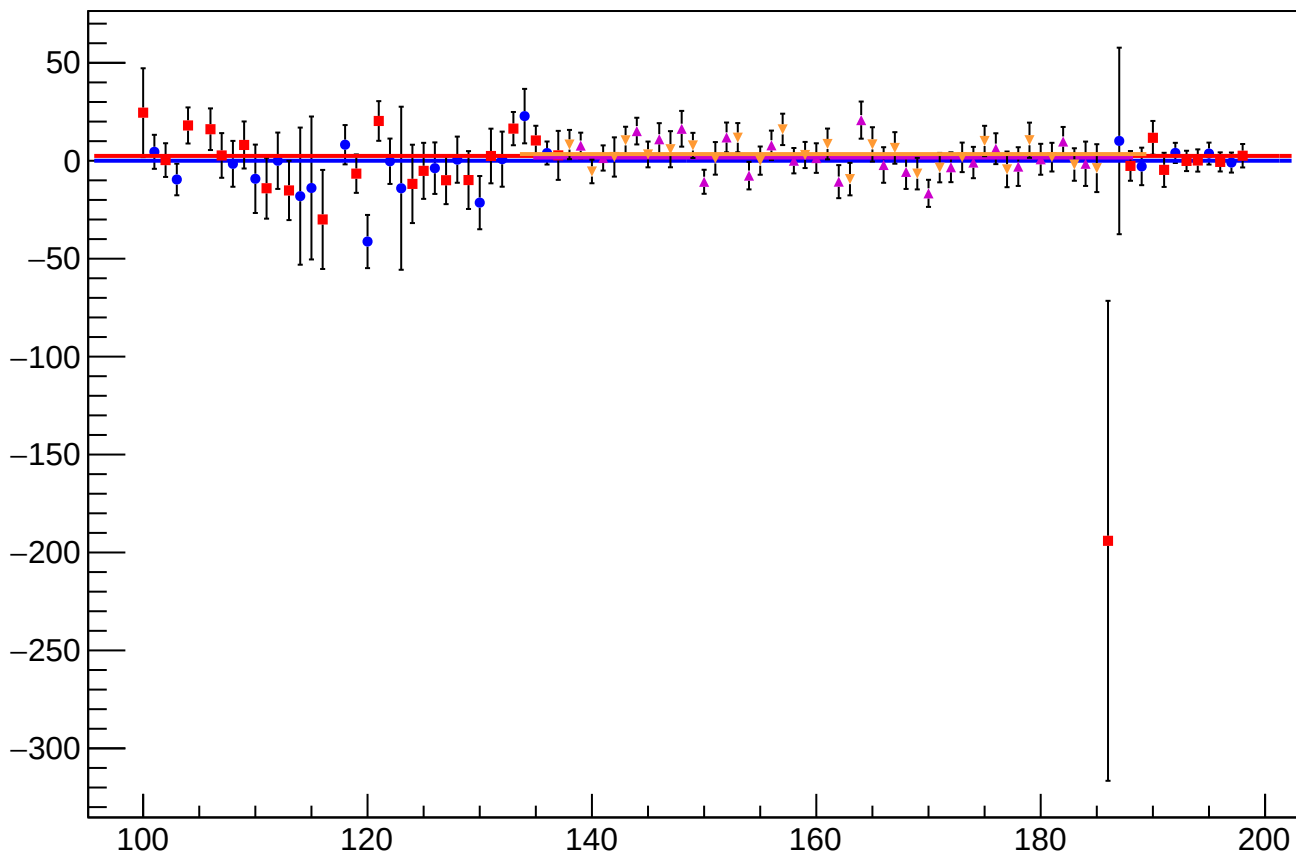
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 9417.904+/-1.315 χ^2/NDF : 4725380.4/46

All: 9592.967+/-0.941 χ^2/NDF : 11194863.0/9

- sign 9777.070+/-1.348 χ^2/NDF : 6433118.3/49

diff_bpm4eY_mean vs Slug



Right In: 0.013 ± 2.017 χ^2/NDF : 19.3/21

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 2.471 ± 1.754 χ^2/NDF : 25.8/26

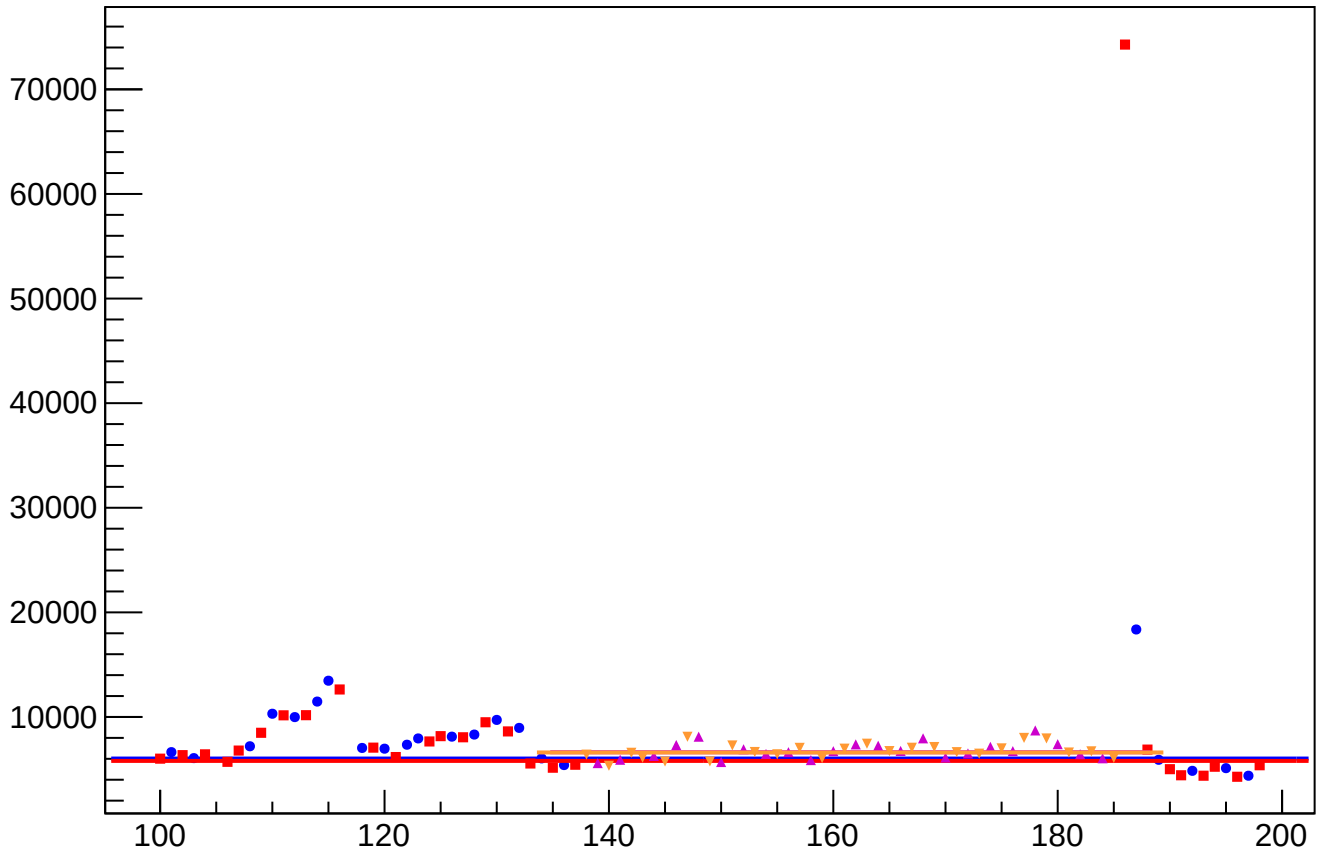
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.145 ± 1.229 χ^2/NDF : 37.9/46

All: 2.075 ± 0.852 χ^2/NDF : 97.3/96

- sign 2.010 ± 1.182 χ^2/NDF : 59.4/49

diff_bpm4eY_rms vs Slug



Right In: 6024.705+/-1.426 χ^2 /NDF: 1376593.1/21

Left Out: 6607.100+/-1.096 χ^2/NDF :398416.1/24

Right Out: 5800.213+/-1.241 χ^2/NDF : 2107859.8/26

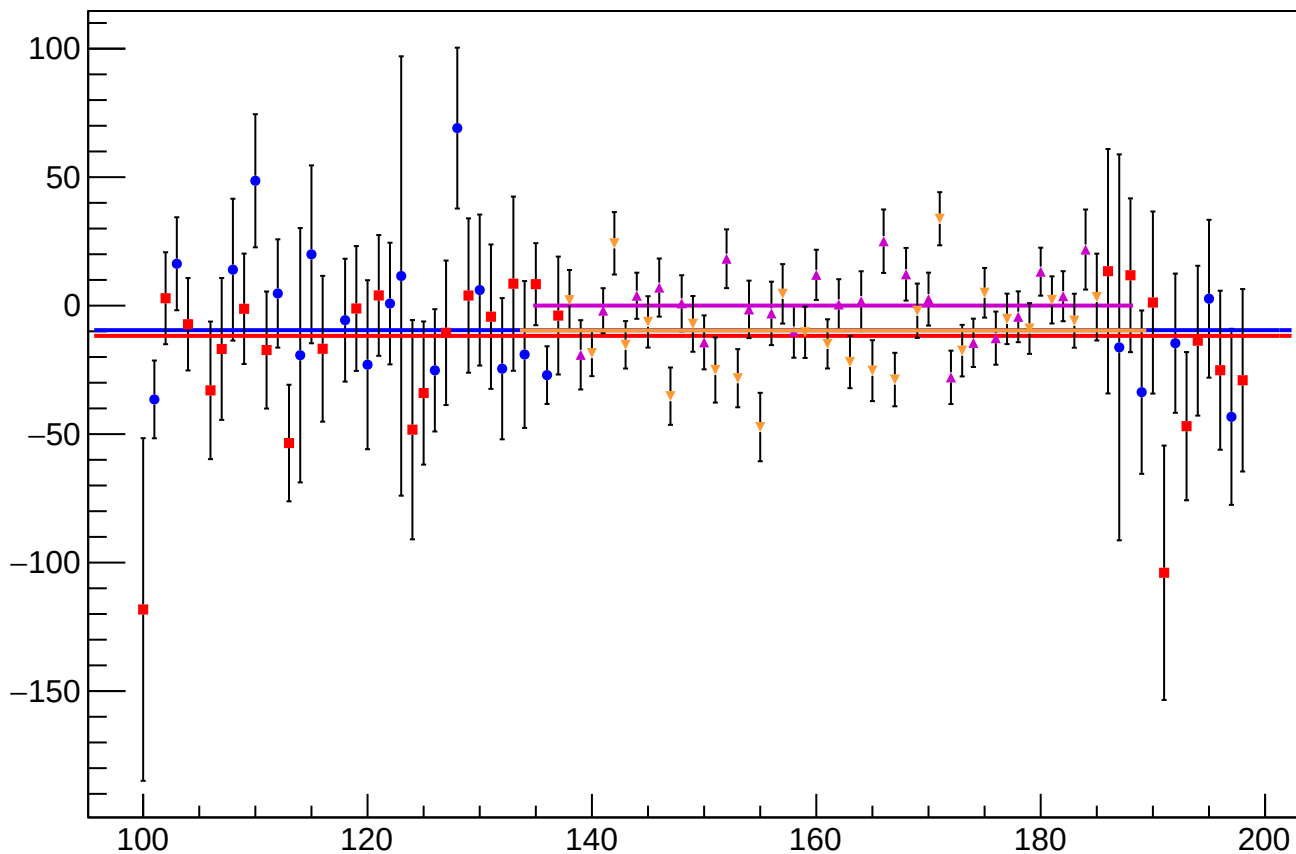
Left In: 6628.653+/-1.131 χ^2/NDF :430282.2/22

+ sign 6390.735 $\pm$ 0.869 χ^2 /NDF: 1879848.4/46

All: 6319.013+/-0.602 χ^2/NDF : 4674685.3/96

- sign 6252.709+/-0.836 χ^2/NDF : 2781732.2/49

diff_bpm4acX_mean vs Slug



Right In: -9.543 ± 5.186 χ^2/NDF : 24.3/21

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -11.759 ± 5.058 χ^2/NDF : 18.5/26

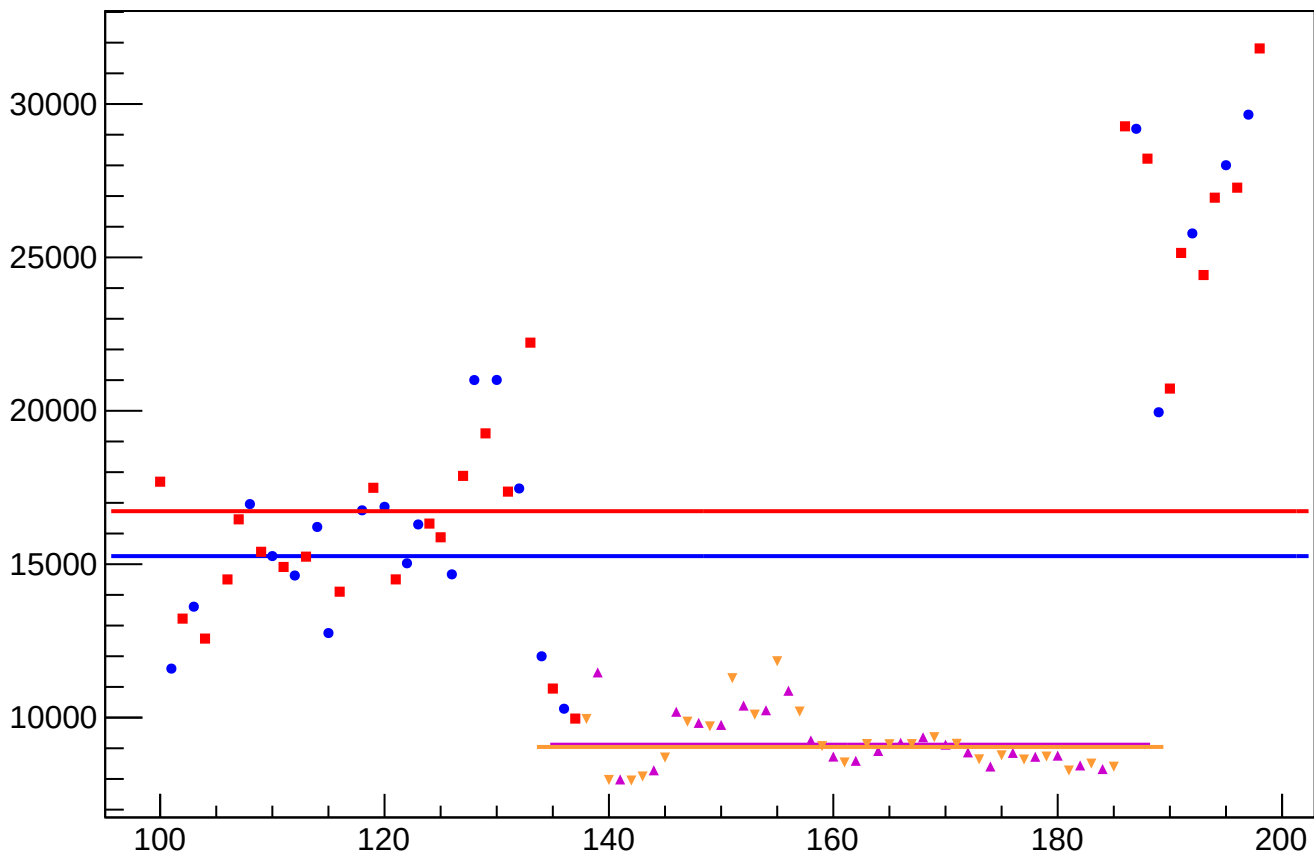
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.634 ± 1.961 χ^2/NDF : 84.1/46

All: -5.837 ± 1.404 χ^2/NDF : 145.4/96

- sign -1.843 ± 2.011 χ^2/NDF : 53.7/49

diff_bpm4acX_rms vs Slug



Right In: 15263.520+/-3.667 χ^2/NDF : 1854708.1/21

Left Out: 9043.485+/-1.498 χ^2/NDF : 328192.2/24

Right Out: 16728.021+/-3.577 χ^2/NDF : 2271432.1/26

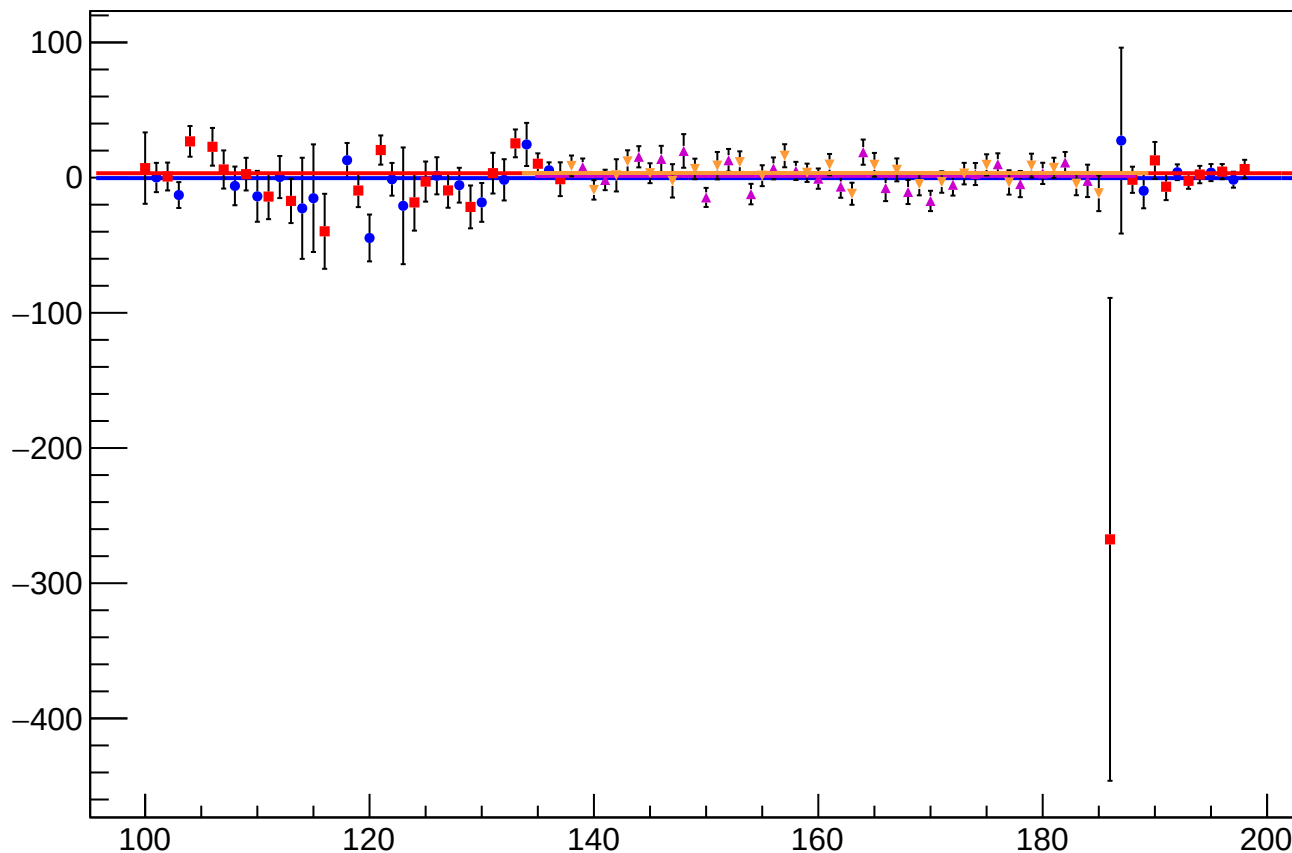
Left In: 9116.921+/-1.550 χ^2/NDF : 277594.8/22

+ sign 9932.812+/-1.387 χ^2/NDF : 4648589.3/46

All: 10121.678+/-0.993 χ^2/NDF : 11048276.0

- sign 10320.354+/-1.422 χ^2/NDF : 6361618.3/49

diff_bpm4acY_mean vs Slug



Right In: -0.365 ± 2.278 χ^2/NDF : 17.6/21

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 3.253 ± 2.016 χ^2/NDF : 30.5/26

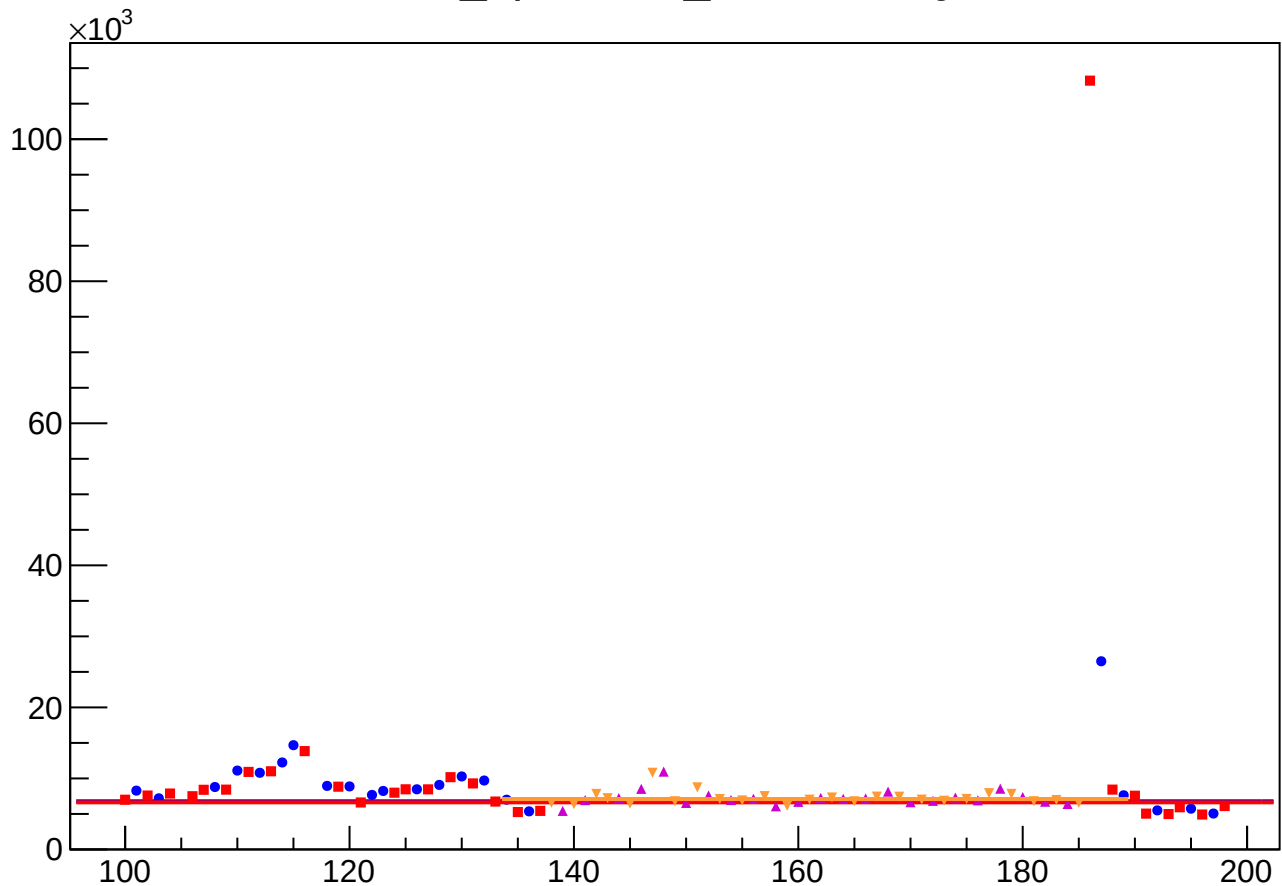
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.114 ± 1.345 χ^2/NDF : 38.4/46

All: 2.110 ± 0.935 χ^2/NDF : 106.0/96

- sign 2.107 ± 1.300 χ^2/NDF : 67.6/49

diff_bpm4acY_rms vs Slug



Right In: 6779.727 ± 1.611 $\chi^2/\text{NDF}: 1440523.4/21$

Left Out: 7098.726 ± 1.178 $\chi^2/\text{NDF}: 382550.4/24$

Right Out: 6634.073 ± 1.425 $\chi^2/\text{NDF}: 2076751.7/26$

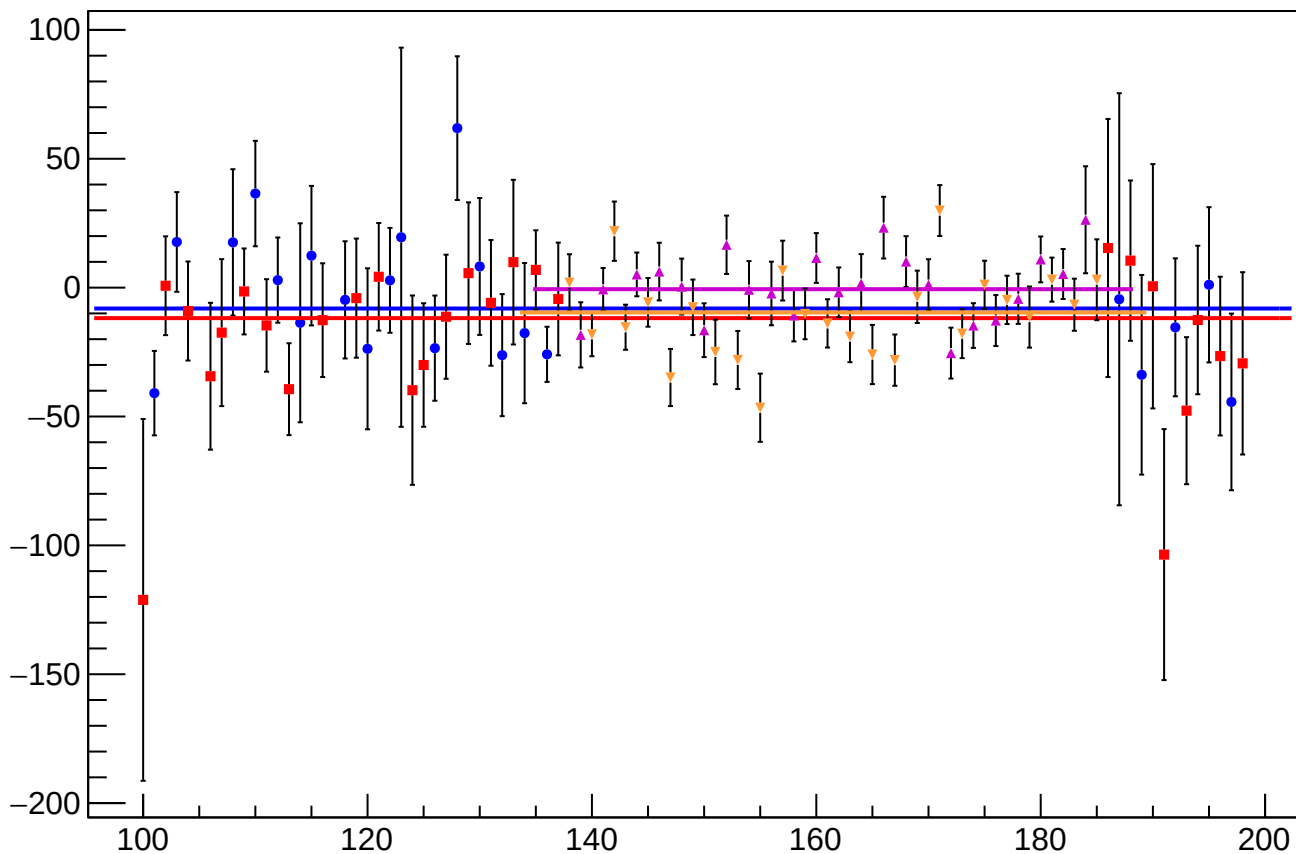
Left In: 7033.702 ± 1.203 $\chi^2/\text{NDF}: 541035.5/22$

+ sign 6987.576 ± 0.951 $\chi^2/\text{NDF}: 1848620.6/46$

All: 6925.499 ± 0.661 $\chi^2/\text{NDF}: 4520566.8/96$

- sign 6867.501 ± 0.919 $\chi^2/\text{NDF}: 2663703.9/49$

diff_bpm4ecX_mean vs Slug



Right In: -8.097 ± 4.855 χ^2/NDF : 25.6/21

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -11.832 ± 4.700 χ^2/NDF : 17.2/26

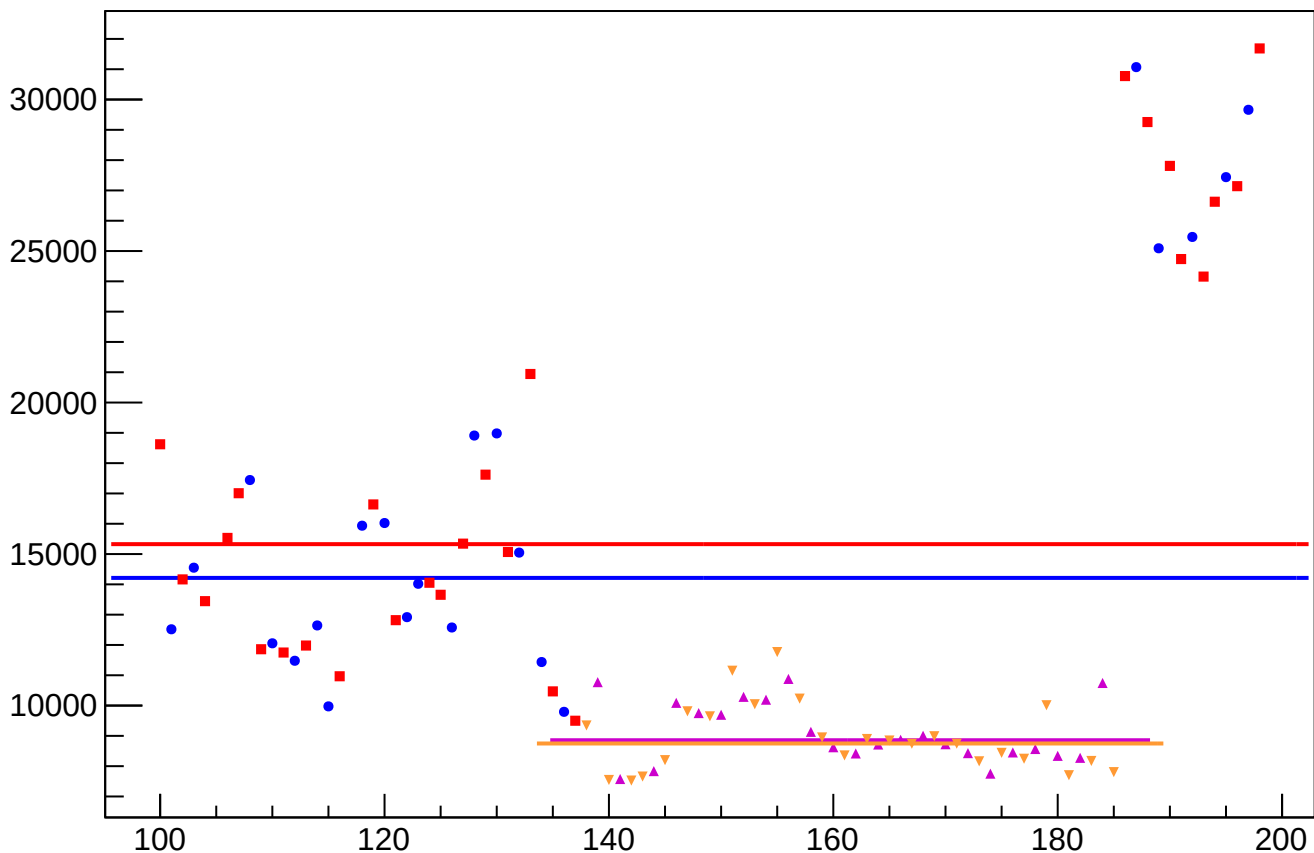
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.405 ± 1.894 χ^2/NDF : 83.3/46

All: -6.052 ± 1.357 χ^2/NDF : 141.3/96

- sign -2.521 ± 1.944 χ^2/NDF : 51.6/49

diff_bpm4ecX_rms vs Slug



Right In: 14213.097+/-3.433 χ^2/NDF : 2094340.0/21

Left Out: 8748.407+/-1.455 χ^2/NDF :463394.1/24

Right Out: 15327.008+/-3.323 χ^2/NDF : 2844404.3/26

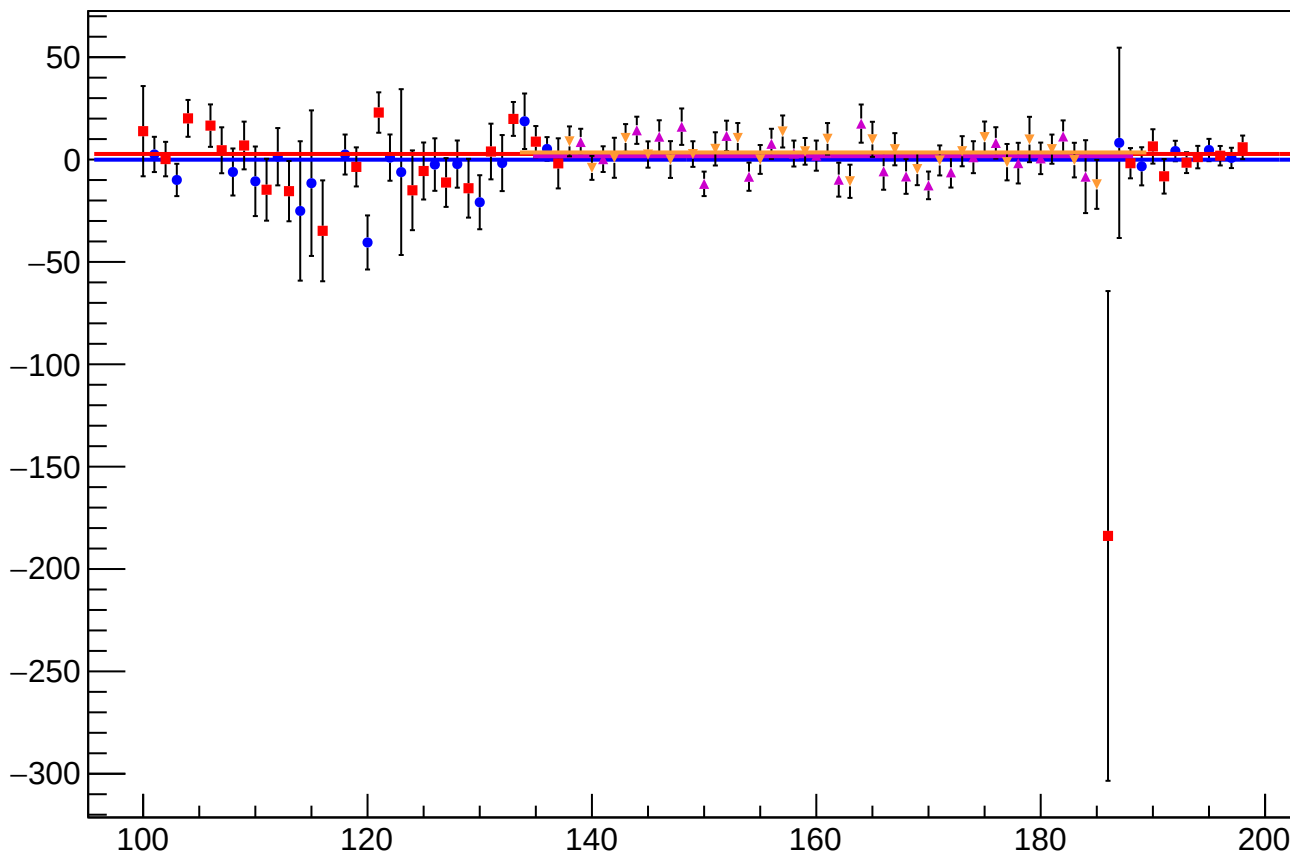
Left In: 8855.591+/-1.510 χ^2/NDF :367542.7/22

+ sign 9580.278+/-1.339 χ^2/NDF : 4705920.8/46

All: 9766.501+/-0.959 χ^2/NDF : 11100793.6/9

- sign 9962.614+/-1.375 χ^2/NDF : 6355185.4/49

diff_bpm4ecY_mean vs Slug



Right In: -0.067 ± 1.967 χ^2/NDF : 19.4/21

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 2.734 ± 1.711 χ^2/NDF : 30.6/26

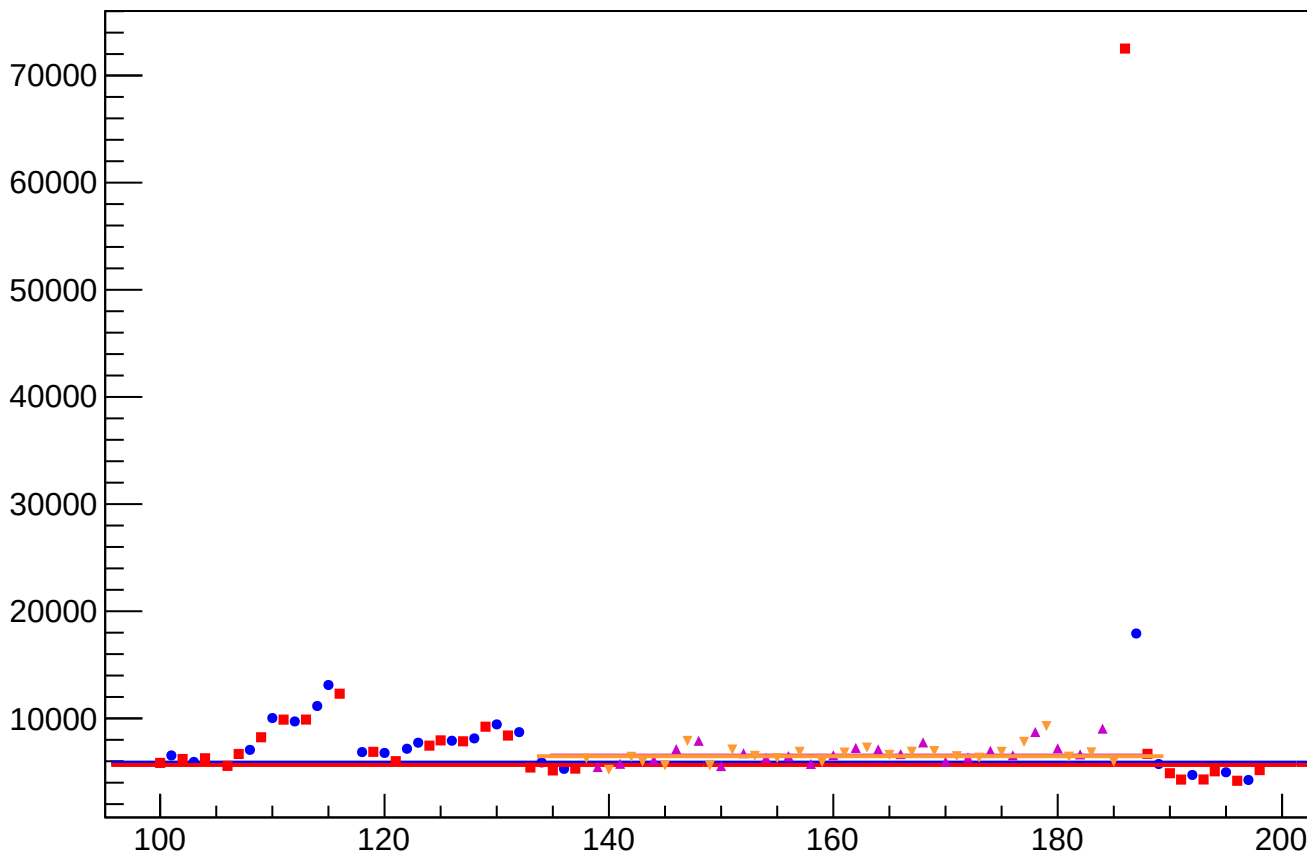
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.145 ± 1.205 χ^2/NDF : 37.2/46

All: 2.144 ± 0.836 χ^2/NDF : 101.7/96

- sign 2.142 ± 1.160 χ^2/NDF : 64.5/49

diff_bpm4ecY_rms vs Slug



Right In: 5871.991+/-1.391 χ^2/NDF : 1385315.6/21

Left Out: 6471.976+/-1.078 χ^2/NDF :490282.9/24

+ sign 6246.900 $\pm$ 0.852 χ^2 /NDF: 1991839.3/46

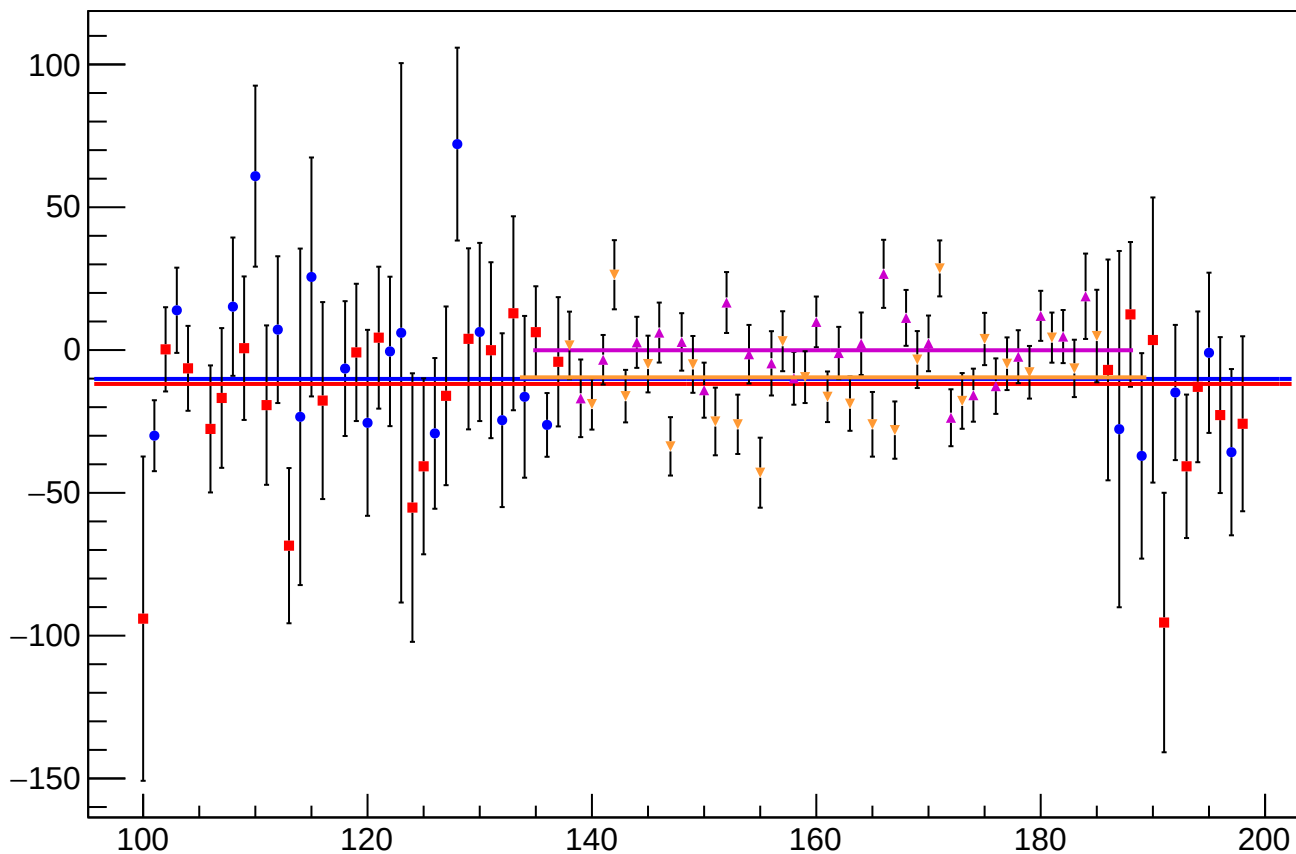
Right Out: 5654.689+/-1.210 χ^2 /NDF: 2099136.9/26

All: 6182.840+/-0.591 χ^2/NDF : 4859545.8/96

- sign 6123.464+/-0.820 χ^2/NDF : 2856813.8/49

Left In: 6521.975+/-1.116 χ^2/NDF :480034.7/22

diff_bpm1X_mean vs Slug



Right In: -10.112 ± 5.043 χ^2/NDF : 23.6/21

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -11.868 ± 4.918 χ^2/NDF : 18.9/26

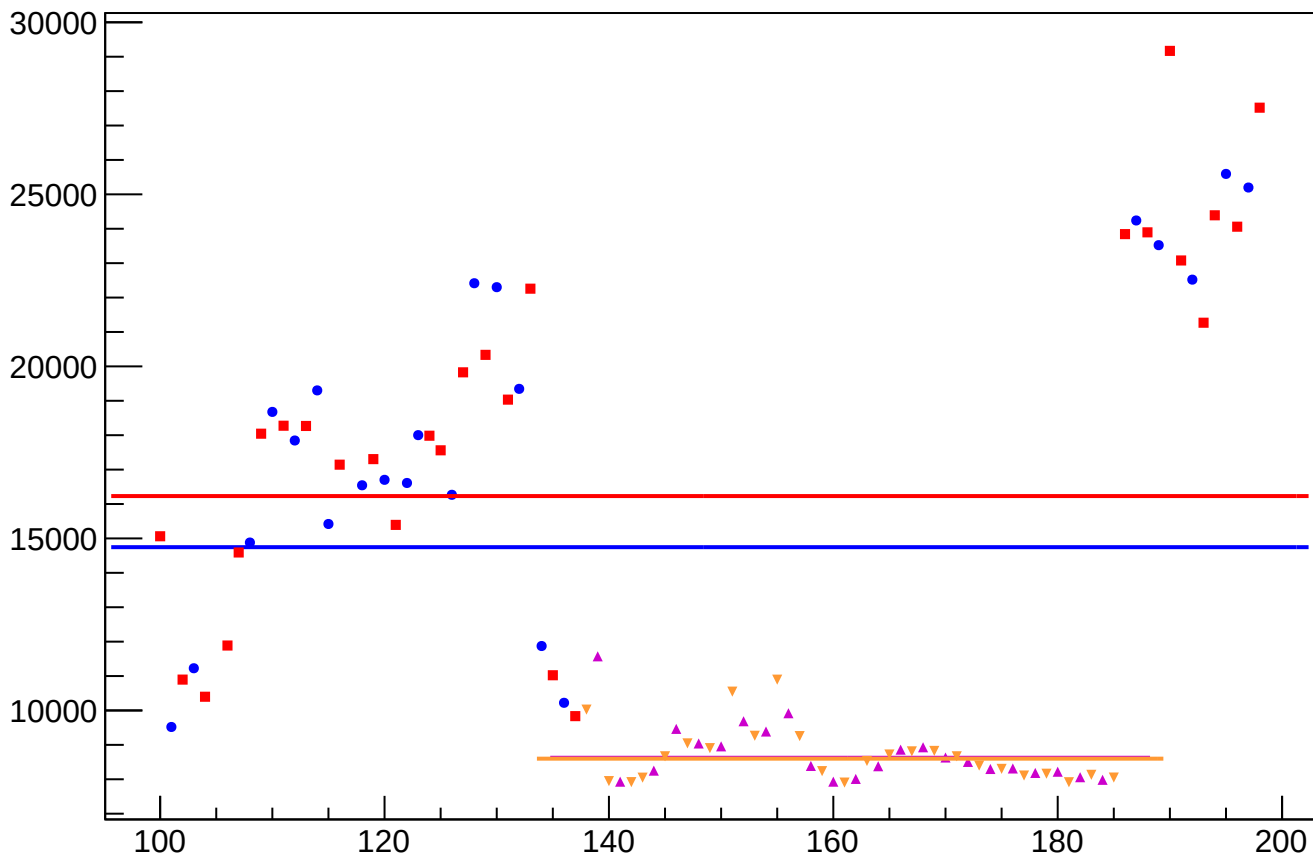
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.631 ± 1.869 χ^2/NDF : 83.1/46

All: -5.826 ± 1.336 χ^2/NDF : 145.2/96

- sign -1.851 ± 1.910 χ^2/NDF : 53.6/49

diff_bpm1X_rms vs Slug



Right In: 14745.752 $\pm$ 3.566 χ^2 /NDF: 2129389.3/21

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 16230.832 $\pm$ 3.477 χ^2 /NDF: 2359439.9/26

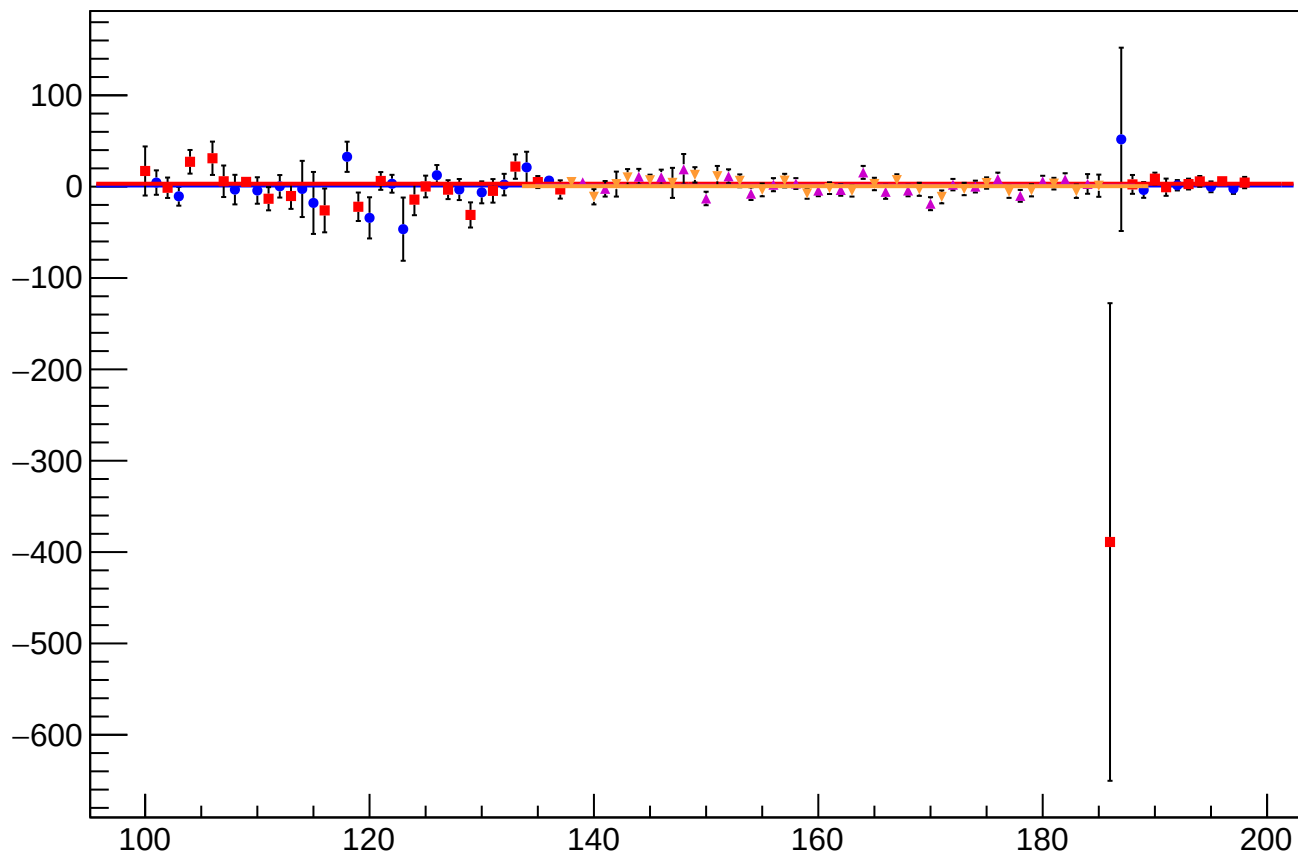
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 9442.921 $\pm$ 1.321 χ^2 /NDF: 4941968.7/46

All: 9604.099 $\pm$ 0.944 χ^2 /NDF: 11631188.9/5

- sign 9772.507 $\pm$ 1.351 χ^2 /NDF: 6658790.9/49

diff_bpm1Y_mean vs Slug



Right In: 1.280 $\pm$ 2.064 χ^2 /NDF: 15.3/21

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.206 $\pm$ 1.745 χ^2 /NDF: 27.3/26

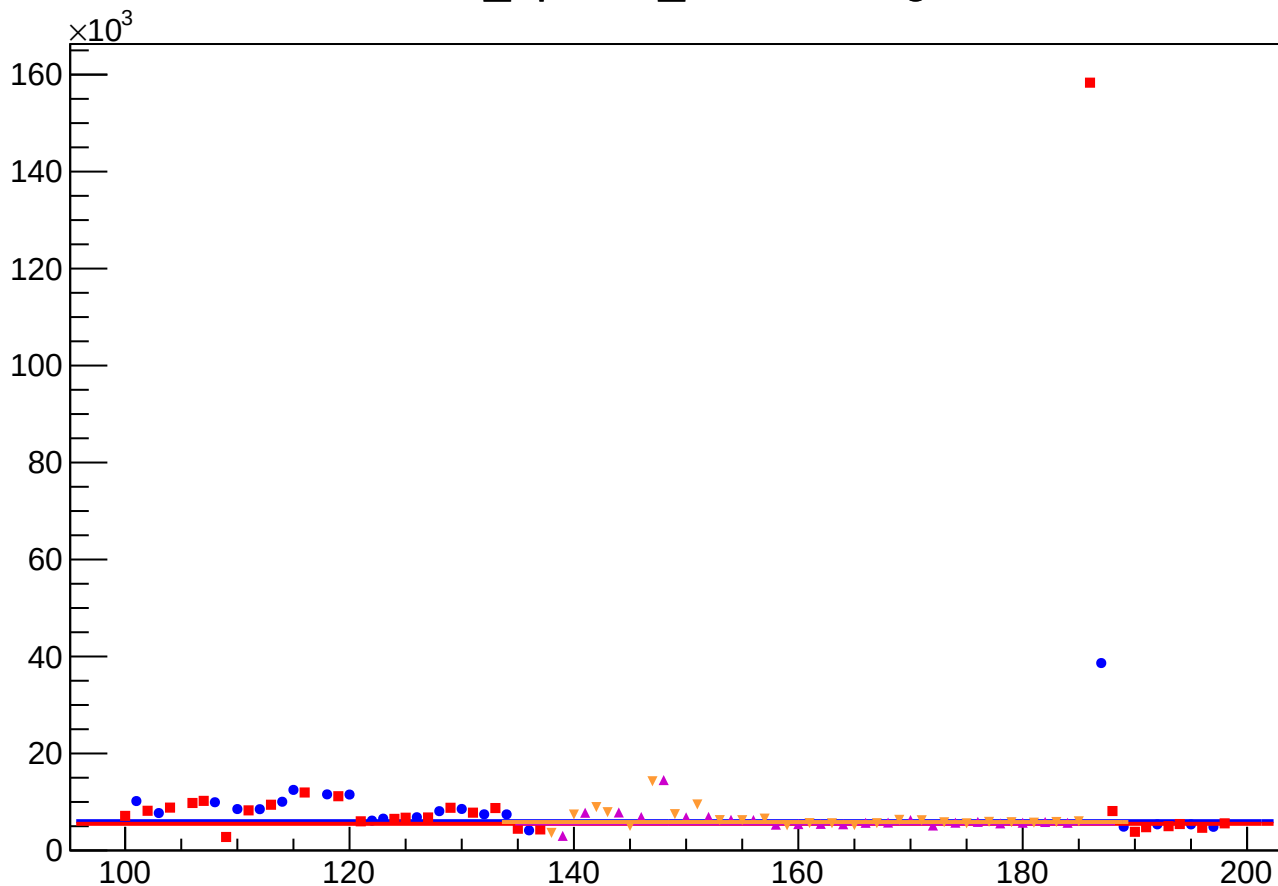
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.769 $\pm$ 1.169 χ^2 /NDF: 34.9/46

All: 1.369 $\pm$ 0.797 χ^2 /NDF: 96.1/96

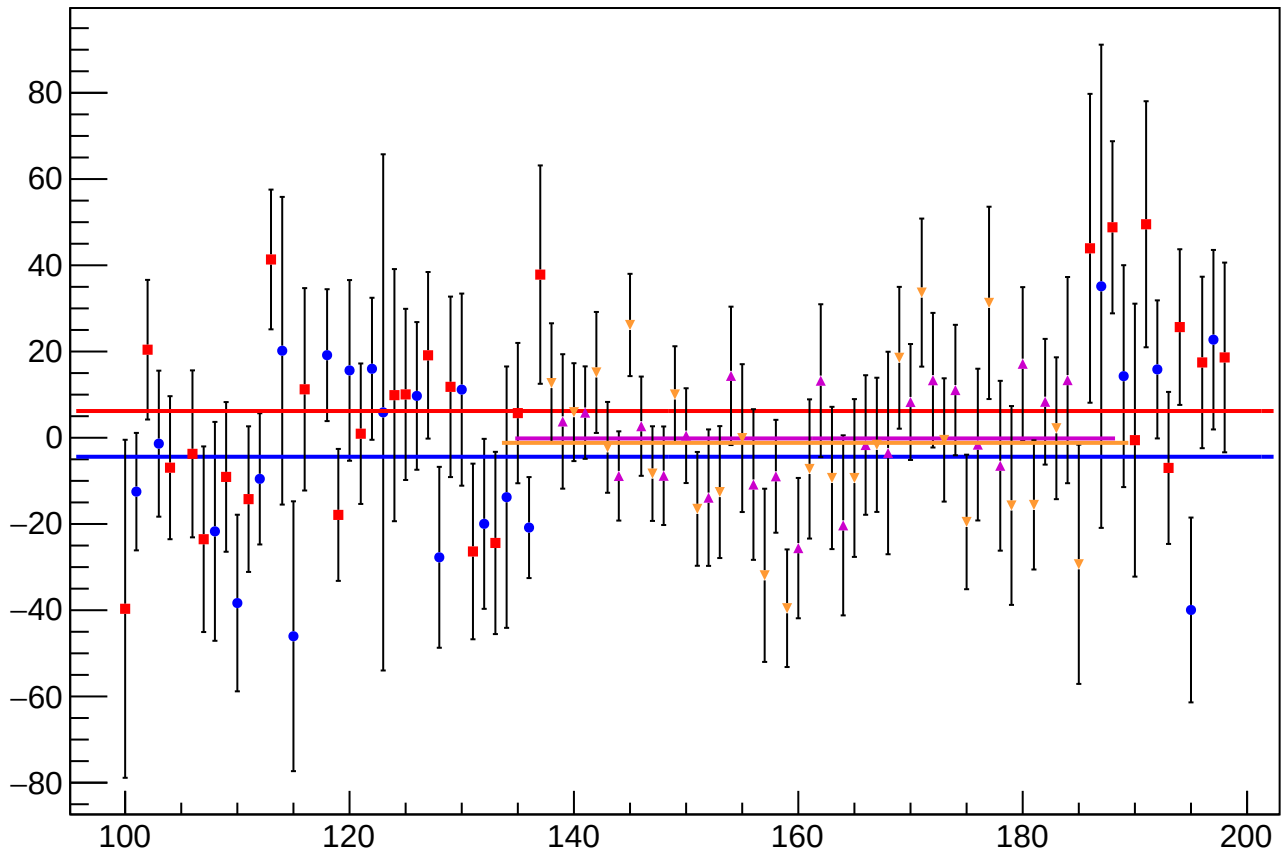
- sign 1.891 $\pm$ 1.090 χ^2 /NDF: 60.7/49

diff_bpm1Y_rms vs Slug



Right In: 6038.382 $\pm$ 1.460 χ^2/NDF : 1886272.8/21 + sign 5917.579 $\pm$ 0.826 χ^2/NDF : 3586402.0/46
 Left Out: 5860.605 $\pm$ 1.002 χ^2/NDF : 1690049.2/24 All: 5716.038 $\pm$ 0.564 χ^2/NDF : 9195835.7/96
 Right Out: 5492.995 $\pm$ 1.234 χ^2/NDF : 3332961.9/26 - sign 5540.763 $\pm$ 0.771 χ^2/NDF : 5498209.1/49
 Left In: 5571.330 $\pm$ 0.987 χ^2/NDF : 2162788.3/22

diff_bpm11X_mean vs Slug



Right In: -4.406 ± 4.141 χ^2/NDF : 23.0/21

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 6.202 ± 3.822 χ^2/NDF : 31.7/26

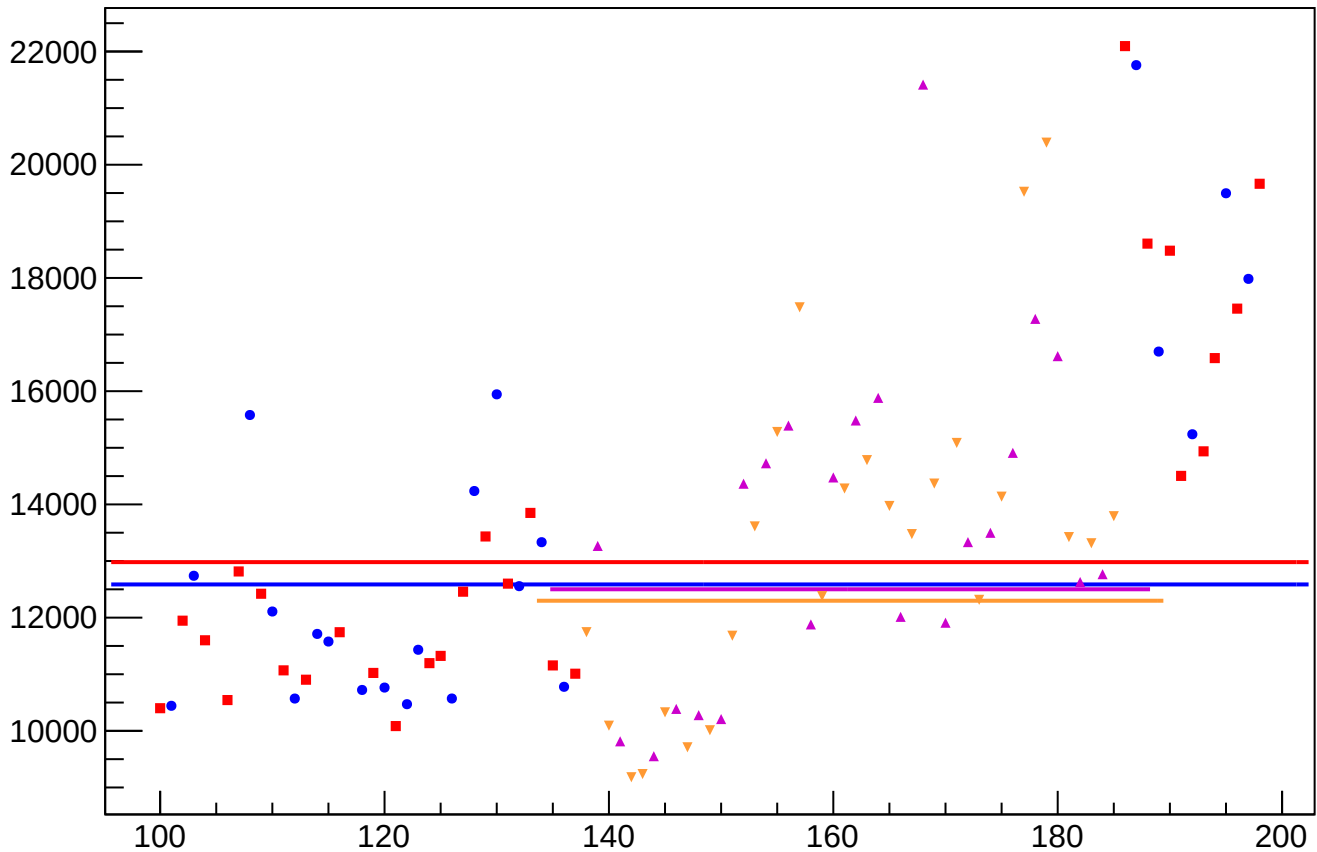
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.262 ± 2.397 χ^2/NDF : 57.1/46

All: 0.040 ± 1.692 χ^2/NDF : 103.8/96

- sign 2.325 ± 2.388 χ^2/NDF : 44.9/49

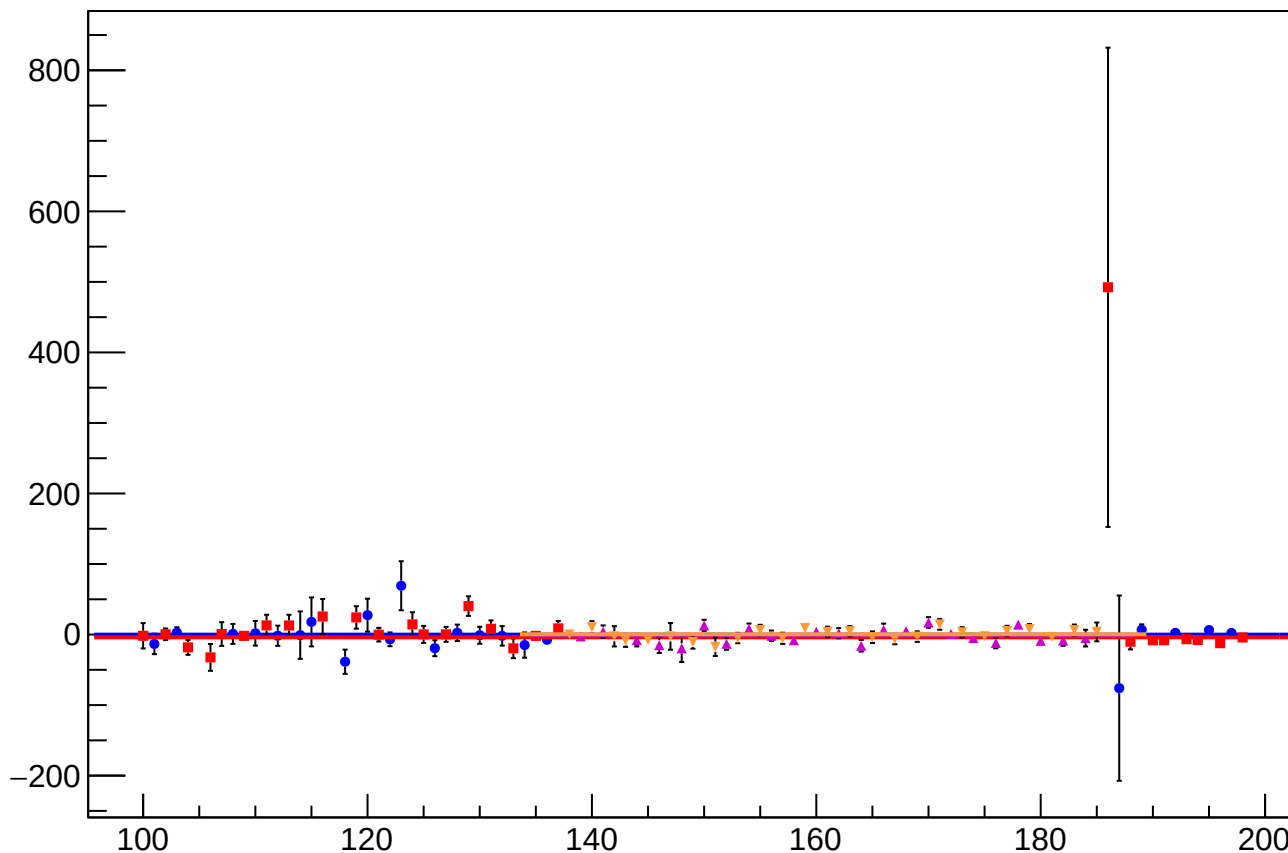
diff_bpm11X_rms vs Slug



Right In: 12586.397 $\pm$ 2.928 χ^2 /NDF: 831798.4/21
 Left Out: 12298.676 $\pm$ 2.078 χ^2 /NDF:1506026.8/24
 Right Out: 12980.533 $\pm$ 2.702 χ^2 /NDF: 1034440.6/26
 Left In: 12500.795 $\pm$ 2.162 χ^2 /NDF:1357889.1/22

+ sign 12395.055 $\pm$ 1.695 χ^2 /NDF: 2344246.6/46
 All: 12542.098 $\pm$ 1.196 χ^2 /NDF: 4770791.2/50
 - sign 12688.054 $\pm$ 1.688 χ^2 /NDF: 2411542.7/49

diff_bpm11Y_mean vs Slug



Right In: -0.146 $\pm$ 1.902 χ^2/NDF : 21.4/21

Left Out: 0.353 $\pm$ 1.433 χ^2/NDF : 19.1/24

Right Out: -3.941 $\pm$ 1.606 χ^2/NDF : 34.0/26

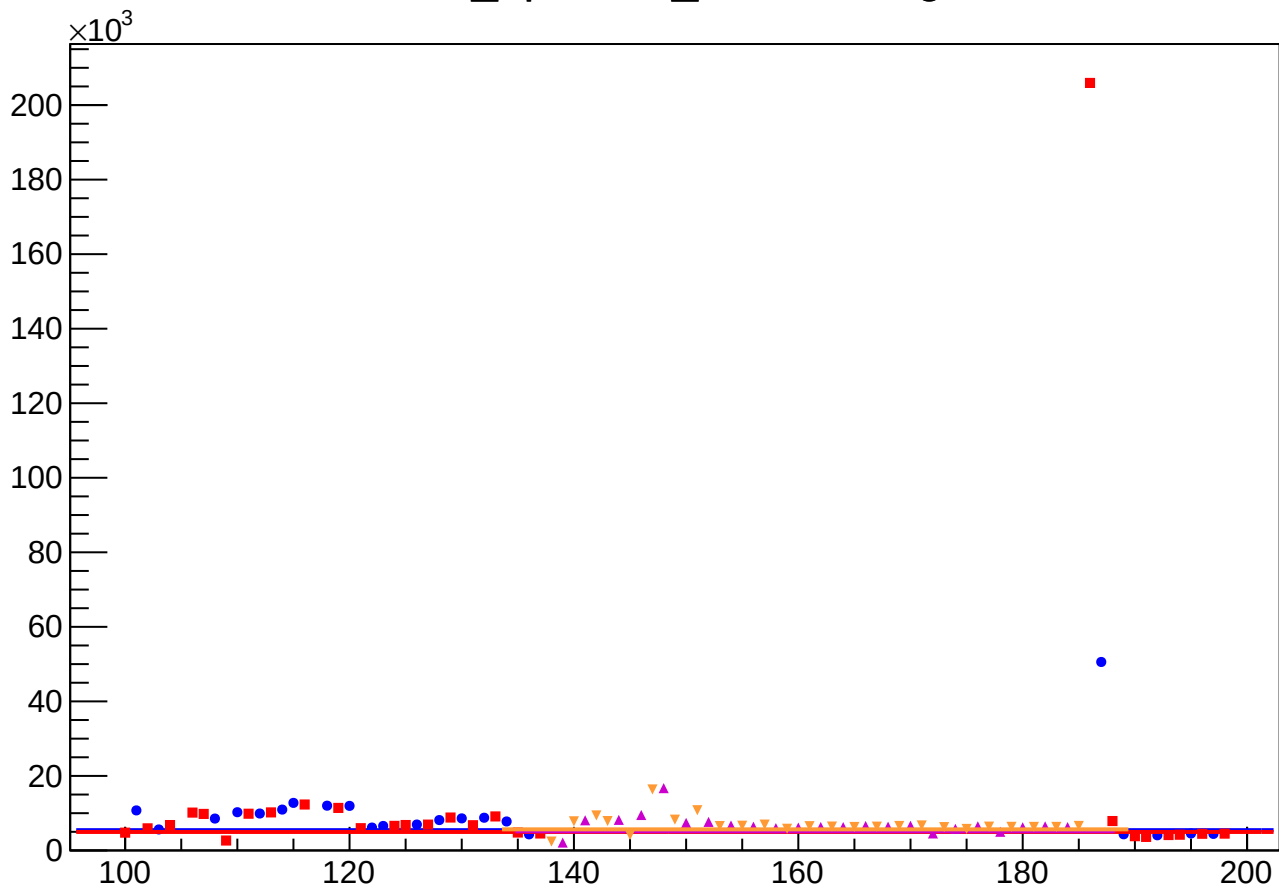
Left In: -1.165 $\pm$ 1.371 χ^2/NDF : 33.6/22

+ sign 0.172 $\pm$ 1.145 χ^2/NDF : 40.6/46

All: -1.198 $\pm$ 0.771 χ^2/NDF : 112.5/96

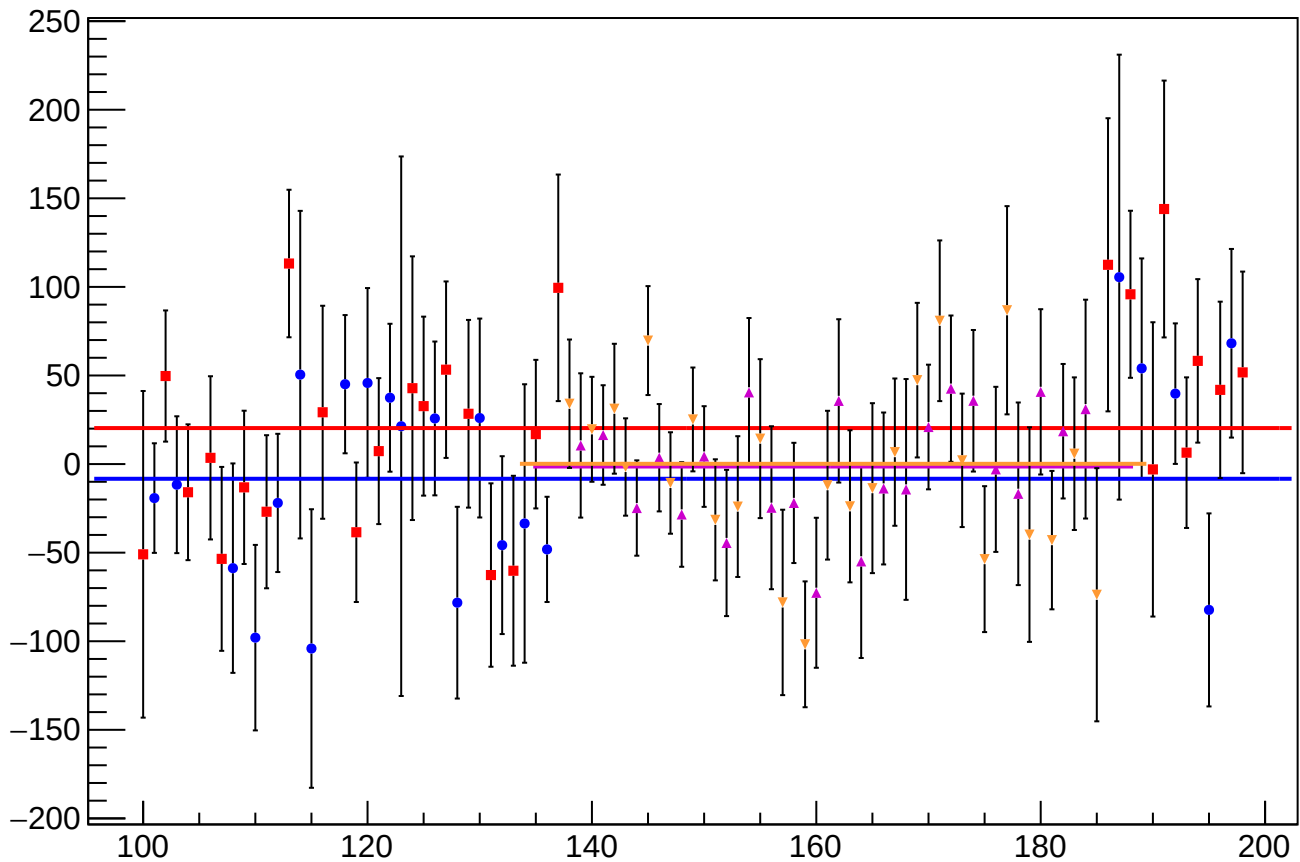
- sign -2.336 $\pm$ 1.043 χ^2/NDF : 69.3/49

diff_bpm11Y_rms vs Slug



Right In: 5444.313+/-1.345	χ^2/NDF : 2480124.1/21	+ sign 5581.525+/-0.809	χ^2/NDF : 6625023.9/46
Left Out: 5659.441+/-1.014	χ^2/NDF : 4128583.6/24	All: 5299.237+/-0.545	χ^2/NDF : 15849765.7/9
Right Out: 4965.030+/-1.136	χ^2/NDF : 3493196.7/26	- sign 5064.936+/-0.737	χ^2/NDF : 9002186.3/49
Left In: 5137.772+/-0.970	χ^2/NDF : 5495609.7/22		

diff_bpm12X_mean vs Slug



Right In: -8.300 ± 10.284 χ^2/NDF : 22.3/21

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 20.316 ± 9.508 χ^2/NDF : 28.4/26

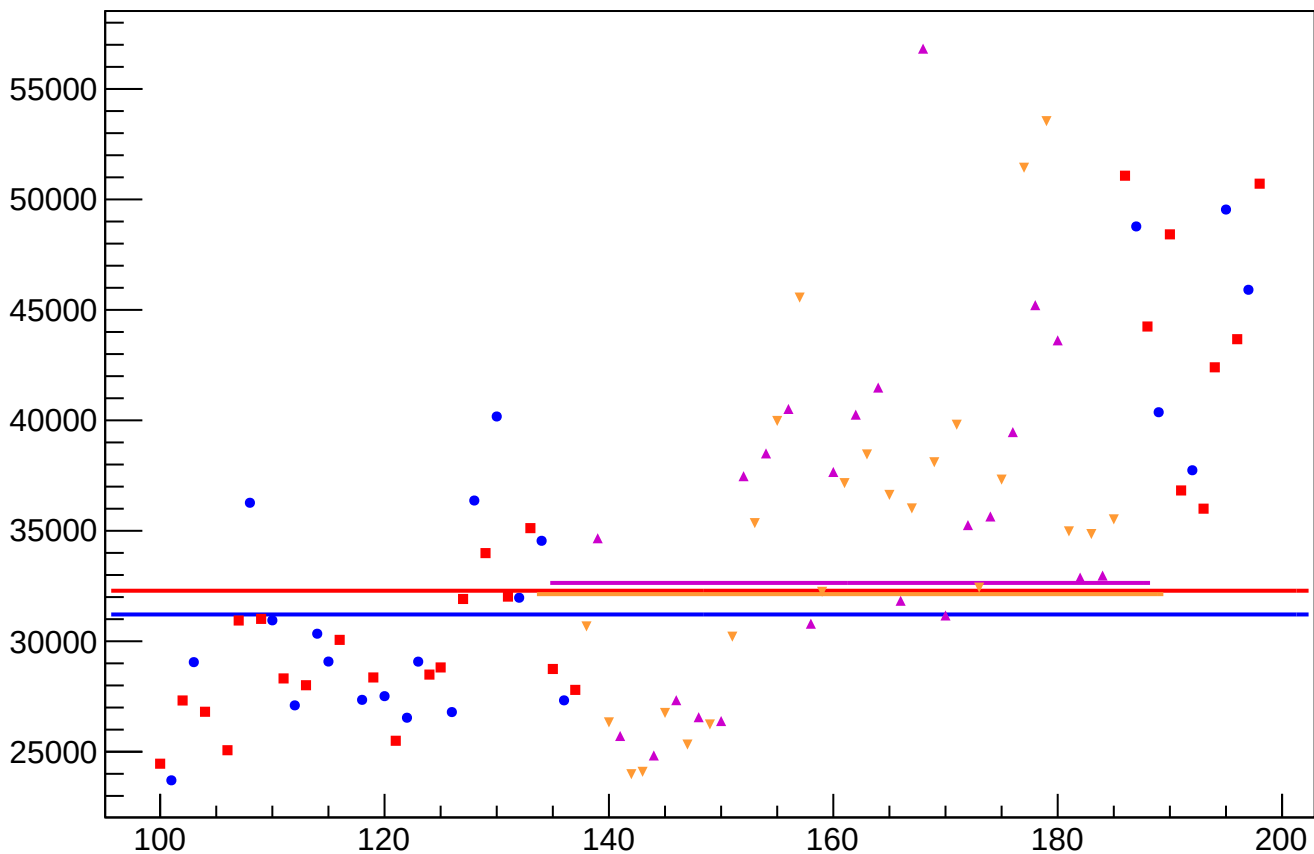
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -2.882 ± 6.155 χ^2/NDF : 54.0/46

All: 2.393 ± 4.339 χ^2/NDF : 100.2/96

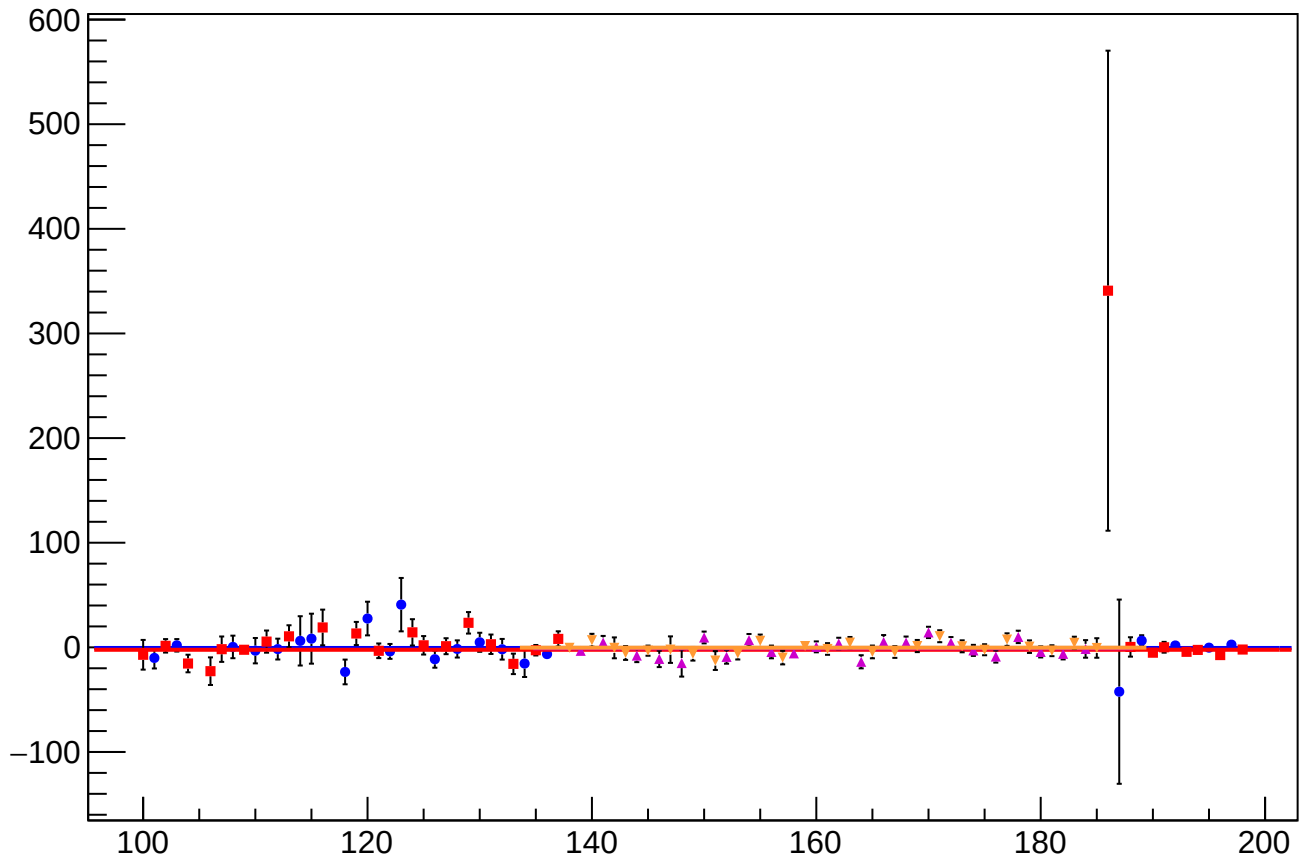
- sign 7.604 ± 6.117 χ^2/NDF : 44.8/49

diff_bpm12X_rms vs Slug



Right In: 31213.098+/-7.272	χ^2/NDF : 861105.8/21	+ sign 31803.010+/-4.352	χ^2/NDF : 2411440.6/46
Left Out: 32132.314+/-5.433	χ^2/NDF : 1540079.4/24	All: 32151.049+/-3.068	χ^2/NDF : 4873890.1/5
Right Out: 32287.563+/-6.723	χ^2/NDF : 1045955.2/26	- sign 32494.797+/-4.325	χ^2/NDF : 2449738.8/49
Left In: 32641.162+/-5.650	χ^2/NDF : 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: -0.593 ± 1.321 χ^2/NDF : 21.1/21

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -2.325 ± 1.158 χ^2/NDF : 29.5/26

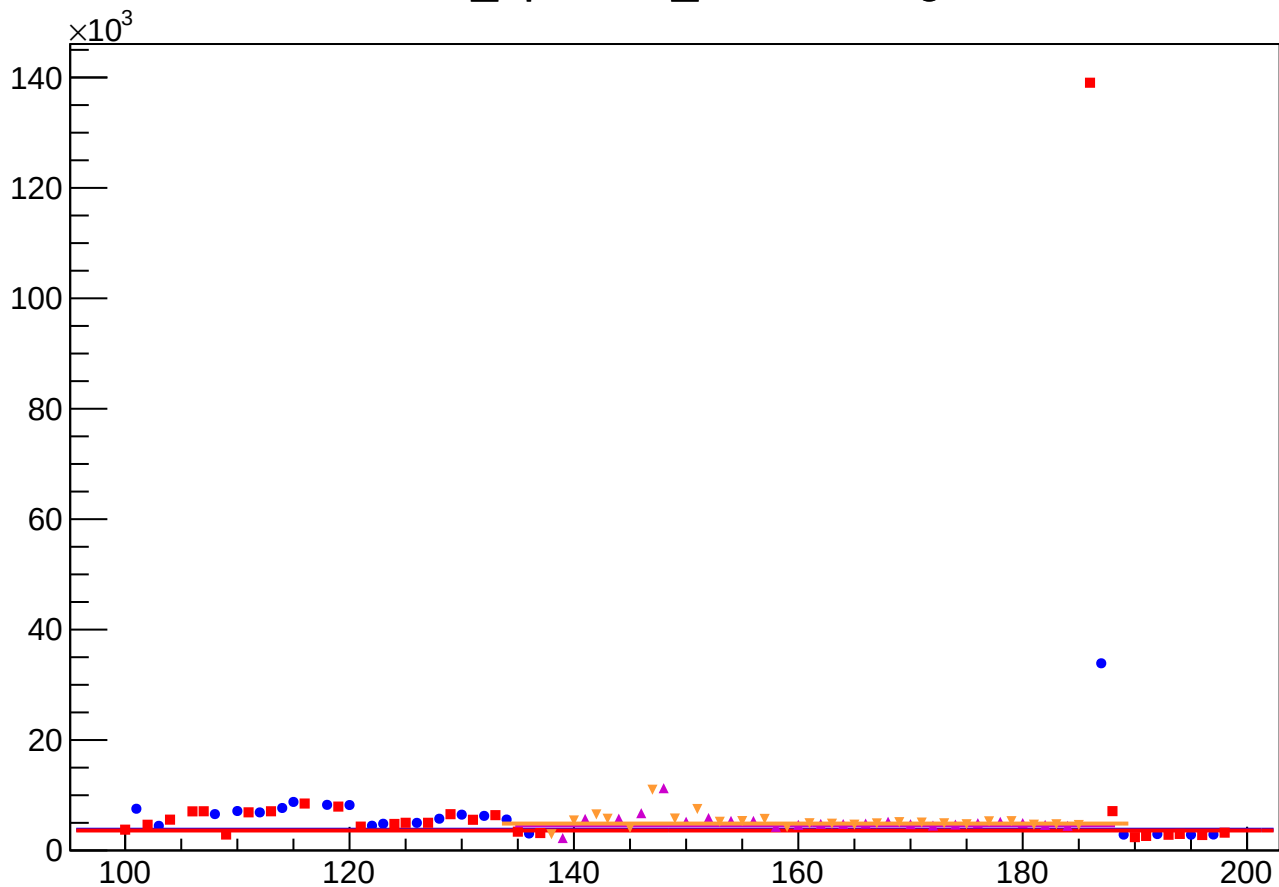
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.436 ± 0.876 χ^2/NDF : 38.7/46

All: -1.065 ± 0.596 χ^2/NDF : 106.1/96

- sign -1.606 ± 0.813 χ^2/NDF : 66.4/49

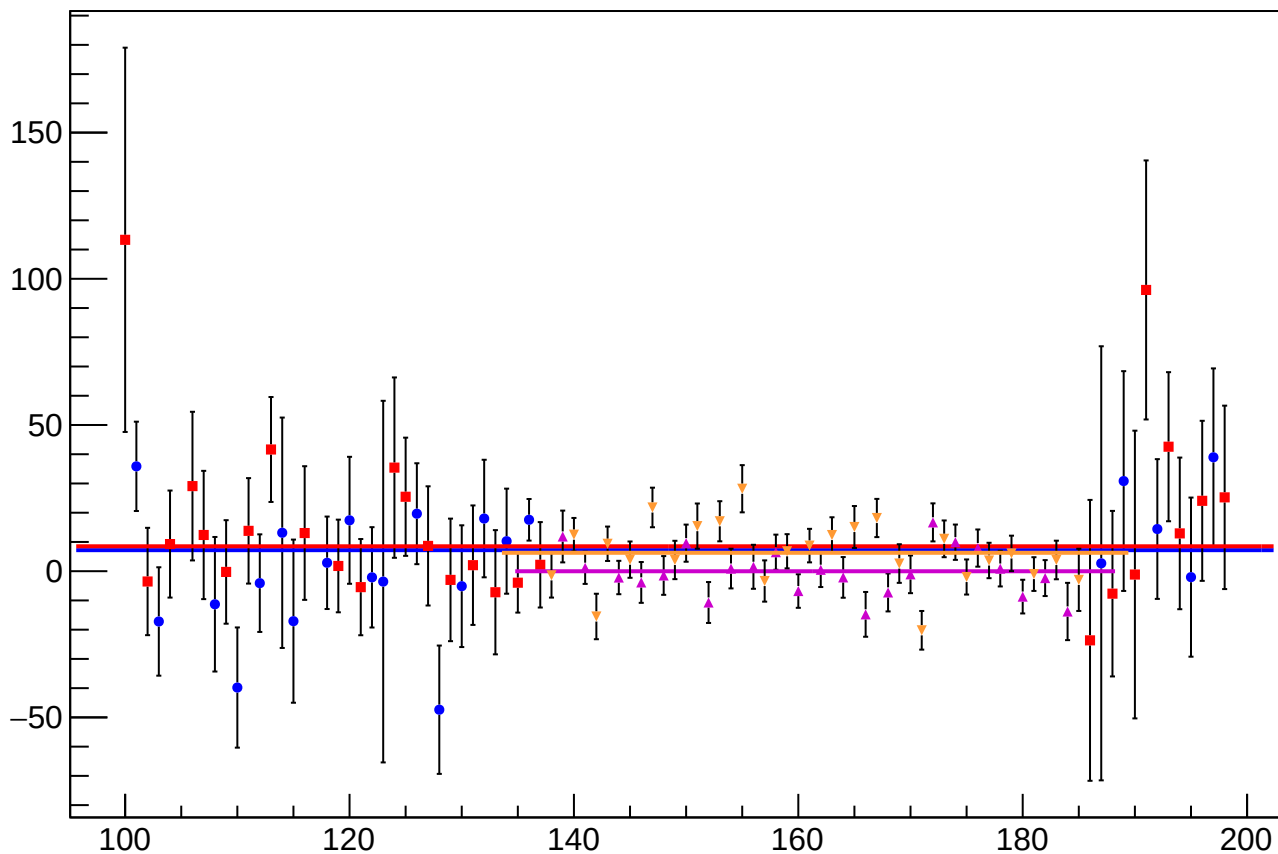
diff_bpm12Y_rms vs Slug



Right In: 3755.082 ± 0.934 χ^2/NDF : 2733807.4/21
 Left Out: 4868.567 ± 0.829 χ^2/NDF : 1511151.0/24
 Right Out: 3616.557 ± 0.819 χ^2/NDF : 3532778.6/26
 Left In: 4544.337 ± 0.808 χ^2/NDF : 2634314.4/22

+ sign 4378.114 ± 0.620 χ^2/NDF : 5040558.1/46
 All: 4221.690 ± 0.422 χ^2/NDF : 11976725.4/9
 - sign 4086.986 ± 0.575 χ^2/NDF : 6817597.7/49

diff_bpm16X_mean vs Slug



Right In: 7.193 ± 3.925 $\chi^2/\text{NDF}: 24.2/21$

Left Out: 6.296 ± 1.310 $\chi^2/\text{NDF}: 56.5/24$

Right Out: 8.518 ± 3.959 $\chi^2/\text{NDF}: 19.6/26$

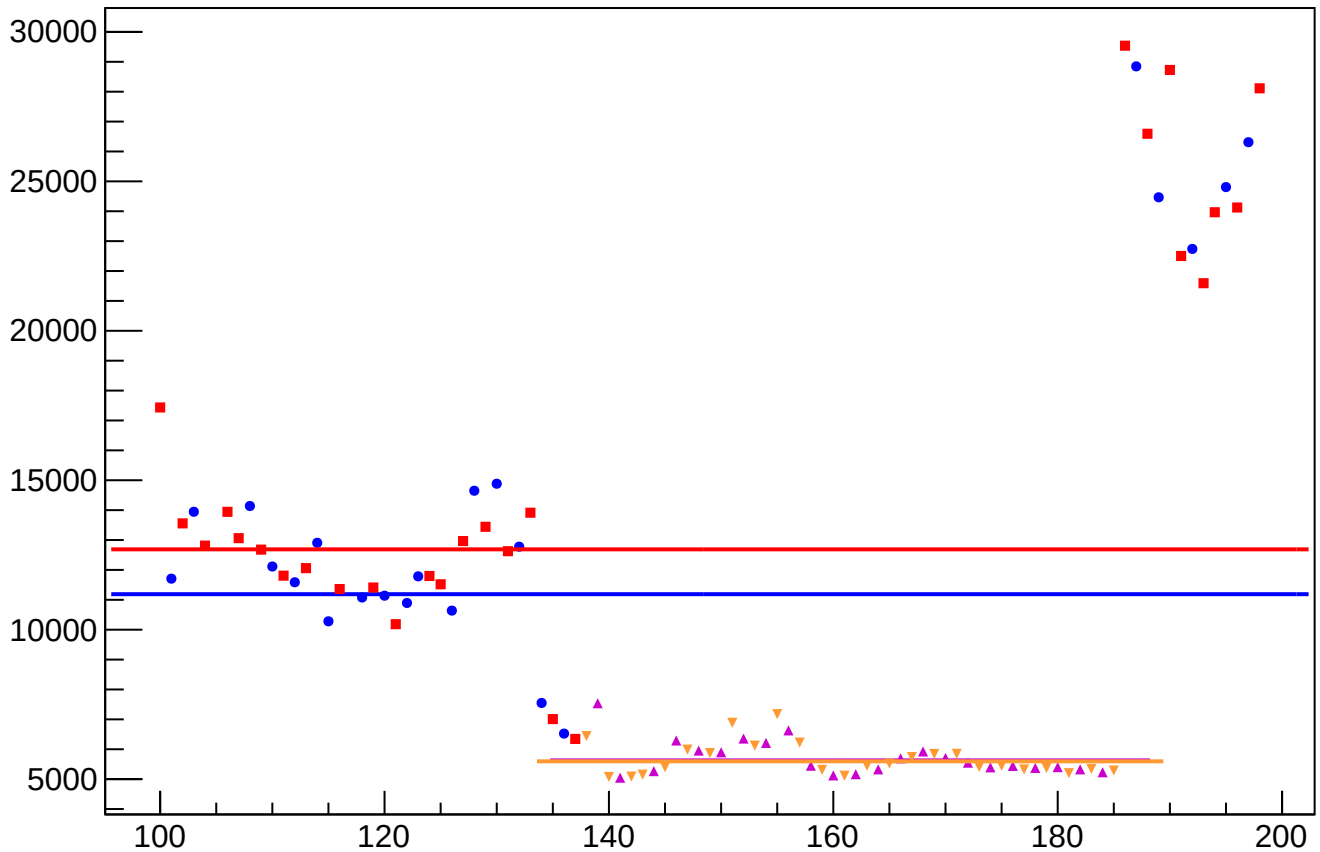
Left In: -0.020 ± 1.353 $\chi^2/\text{NDF}: 29.9/22$

+ sign 6.386 ± 1.243 $\chi^2/\text{NDF}: 80.7/46$

All: 3.711 ± 0.892 $\chi^2/\text{NDF}: 144.0/96$

- sign 0.873 ± 1.280 $\chi^2/\text{NDF}: 53.7/49$

diff_bpm16X_rms vs Slug



Right In: 11187.712 $\pm$ 2.776 χ^2 /NDF: 2986867.1/21

Left Out: 5596.370 $\pm$ 0.926 χ^2 /NDF: 283998.1/24

Right Out: 12688.216 $\pm$ 2.799 χ^2 /NDF: 3600908.2/26

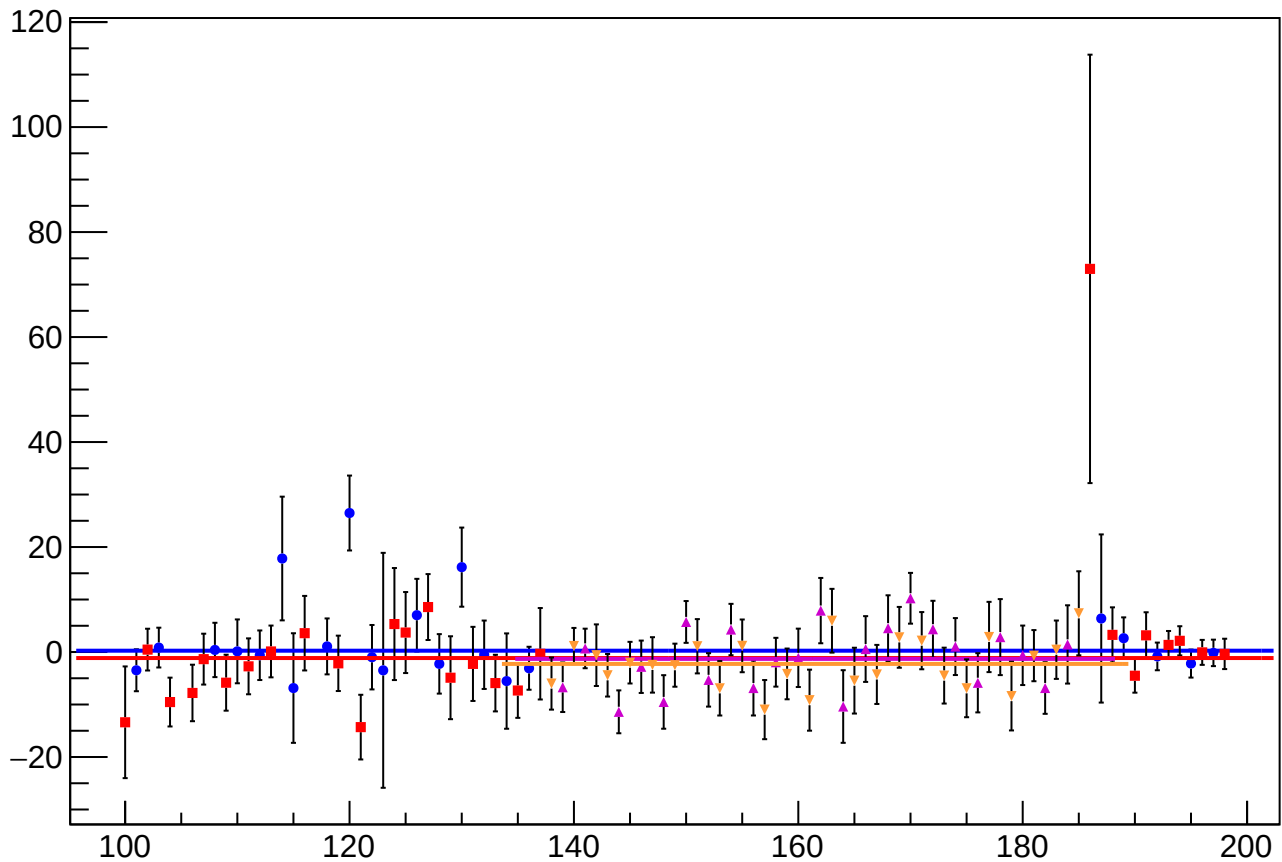
Left In: 5627.283 $\pm$ 0.957 χ^2 /NDF: 279318.7/22

+ sign 6156.820 $\pm$ 0.879 χ^2 /NDF: 6921922.6/46

All: 6258.238 $\pm$ 0.631 χ^2 /NDF: 16526682.8/9

- sign 6365.882 $\pm$ 0.905 χ^2 /NDF: 9577304.6/49

diff_bpm16Y_mean vs Slug



Right In: 0.251 ± 0.992 χ^2/NDF : 25.5/21

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.148 ± 0.873 χ^2/NDF : 26.5/26

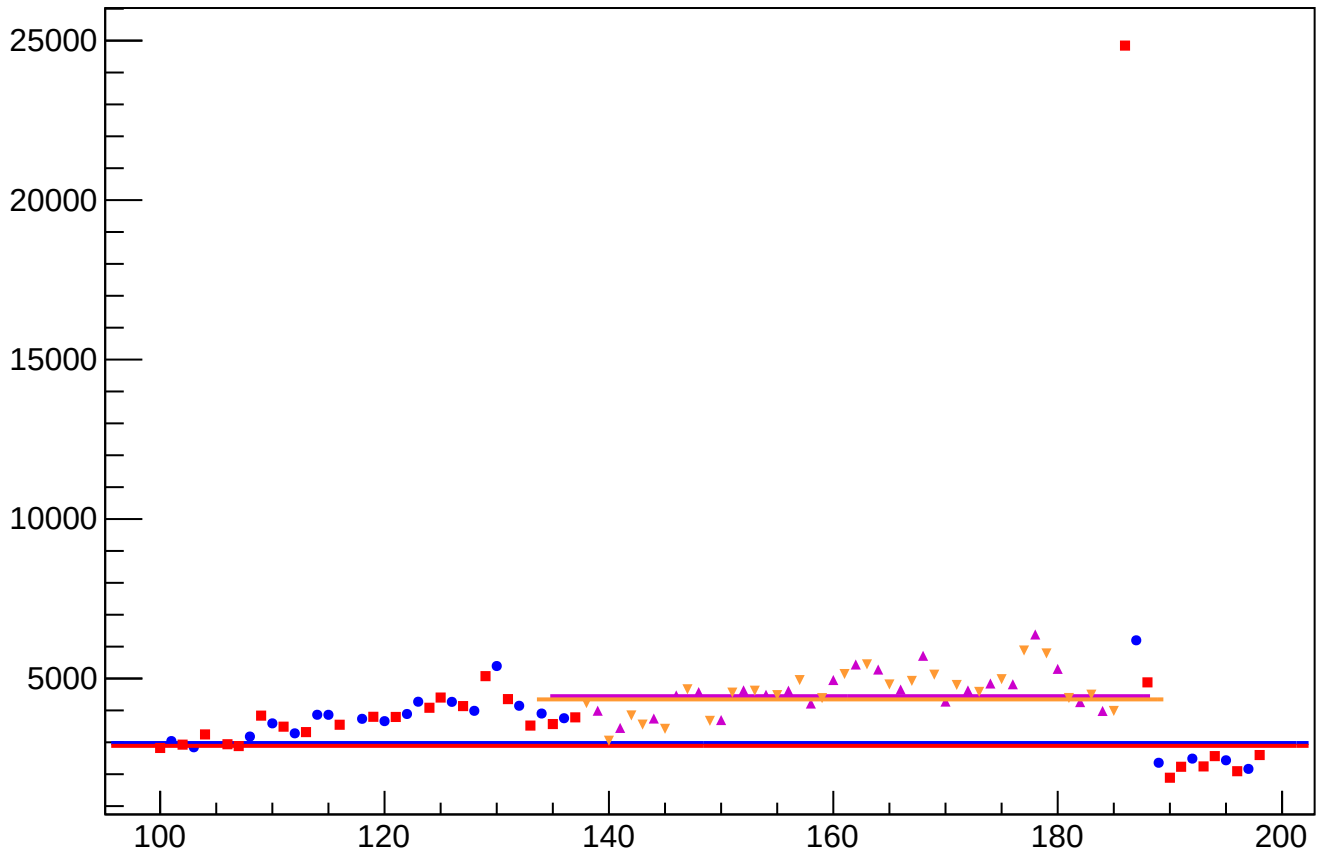
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -0.962 ± 0.714 χ^2/NDF : 43.9/46

All: -1.093 ± 0.492 χ^2/NDF : 101.3/96

- sign -1.210 ± 0.678 χ^2/NDF : 57.3/49

diff_bpm16Y_rms vs Slug



Right In: 2976.972 ± 0.702 $\chi^2/\text{NDF}: 1153393.0/21$

Left Out: 4345.381 ± 0.728 $\chi^2/\text{NDF}: 1000636.1/24$

Right Out: 2889.016 ± 0.617 $\chi^2/\text{NDF}: 2231610.5/26$

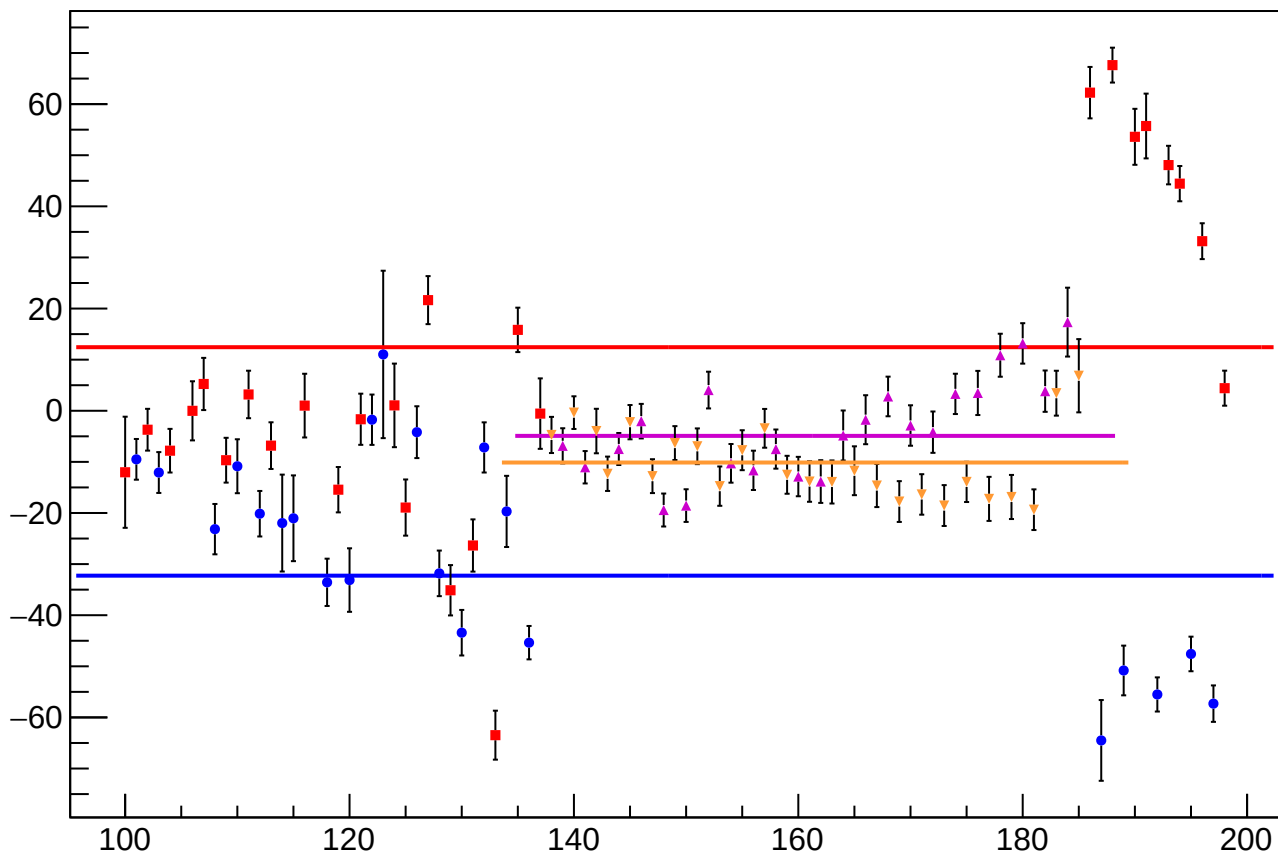
Left In: 4446.181 ± 0.762 $\chi^2/\text{NDF}: 702797.6/22$

+ sign 3636.062 ± 0.505 $\chi^2/\text{NDF}: 3985870.0/46$

All: 3567.722 ± 0.348 $\chi^2/\text{NDF}: 9478690.8/96$

- sign 3506.164 ± 0.479 $\chi^2/\text{NDF}: 5458036.5/49$

diff_bpm0l01X_mean vs Slug



Right In: -32.263 ± 0.997 χ^2/NDF : 365.7/21

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 12.439 ± 0.895 χ^2/NDF : 1270.6/26

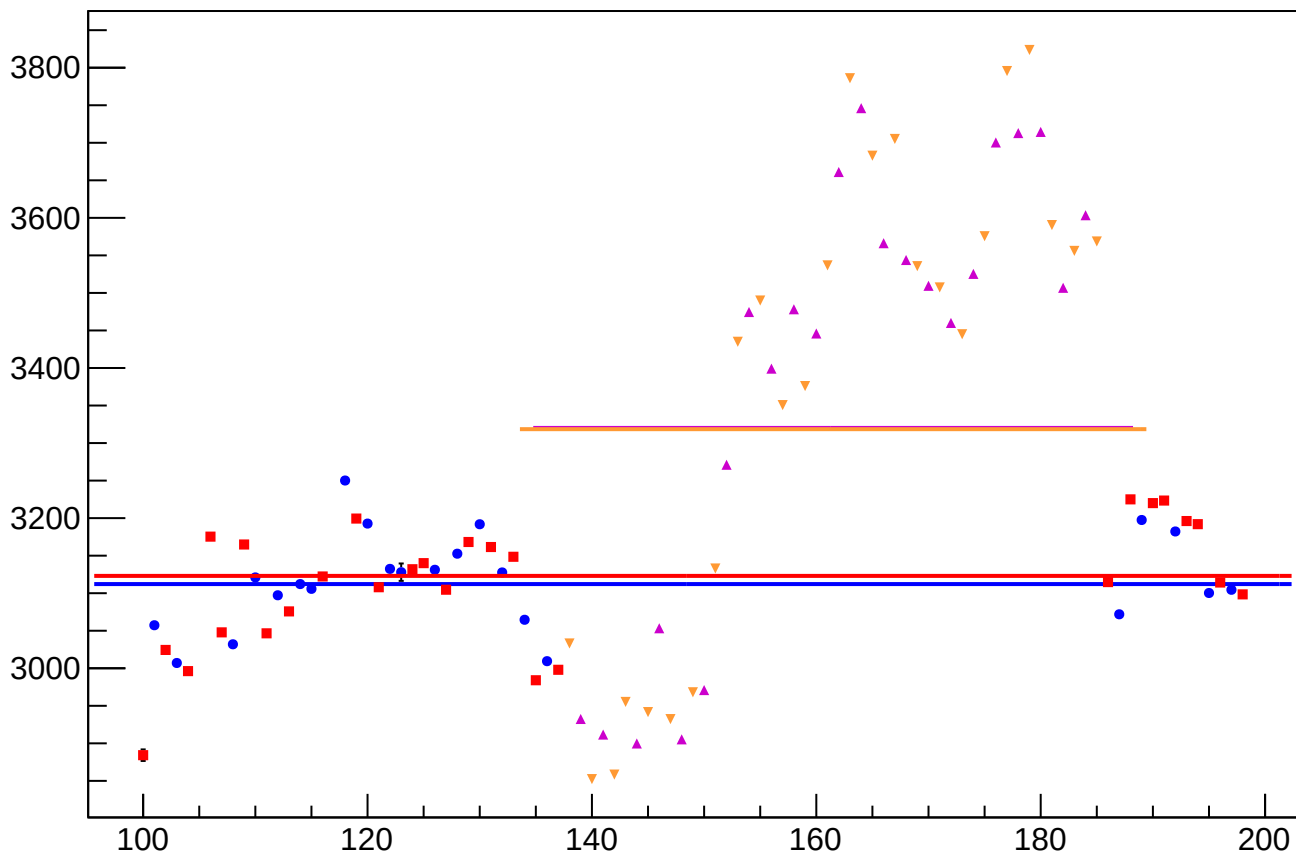
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -18.466 ± 0.612 χ^2/NDF : 740.7/46

All: -7.551 ± 0.427 χ^2/NDF : 2967.2/96

- sign 2.766 ± 0.595 χ^2/NDF : 1608.2/49

diff_bpm0l01X_rms vs Slug



Right In: 3112.156+/-0.705 χ^2/NDF : 8974.4/21

Left Out: 3318.506+/-0.548 χ^2/NDF : 337694.2/24

Right Out: 3123.060+/-0.633 χ^2/NDF : 13719.2/26

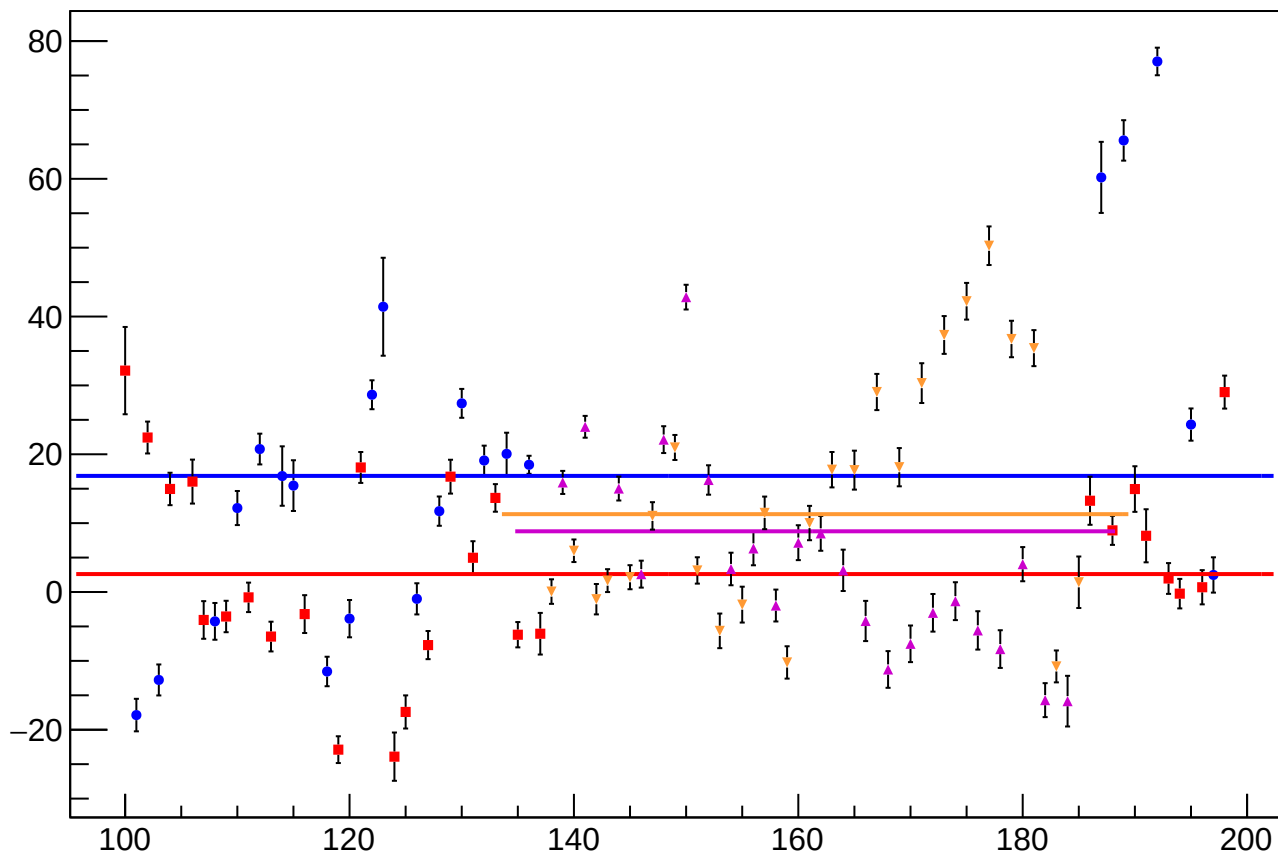
Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

+ sign 3240.761+/-0.433 χ^2/NDF : 400025.3/46

All: 3236.749+/-0.302 χ^2/NDF : 755655.2/96

- sign 3232.957+/-0.421 χ^2/NDF : 355462.7/49

diff_bpm0l01Y_mean vs Slug



Right In: 16.861 $\pm$ 0.507 χ^2 /NDF: 2123.7/21

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 2.605 $\pm$ 0.469 χ^2 /NDF: 803.8/26

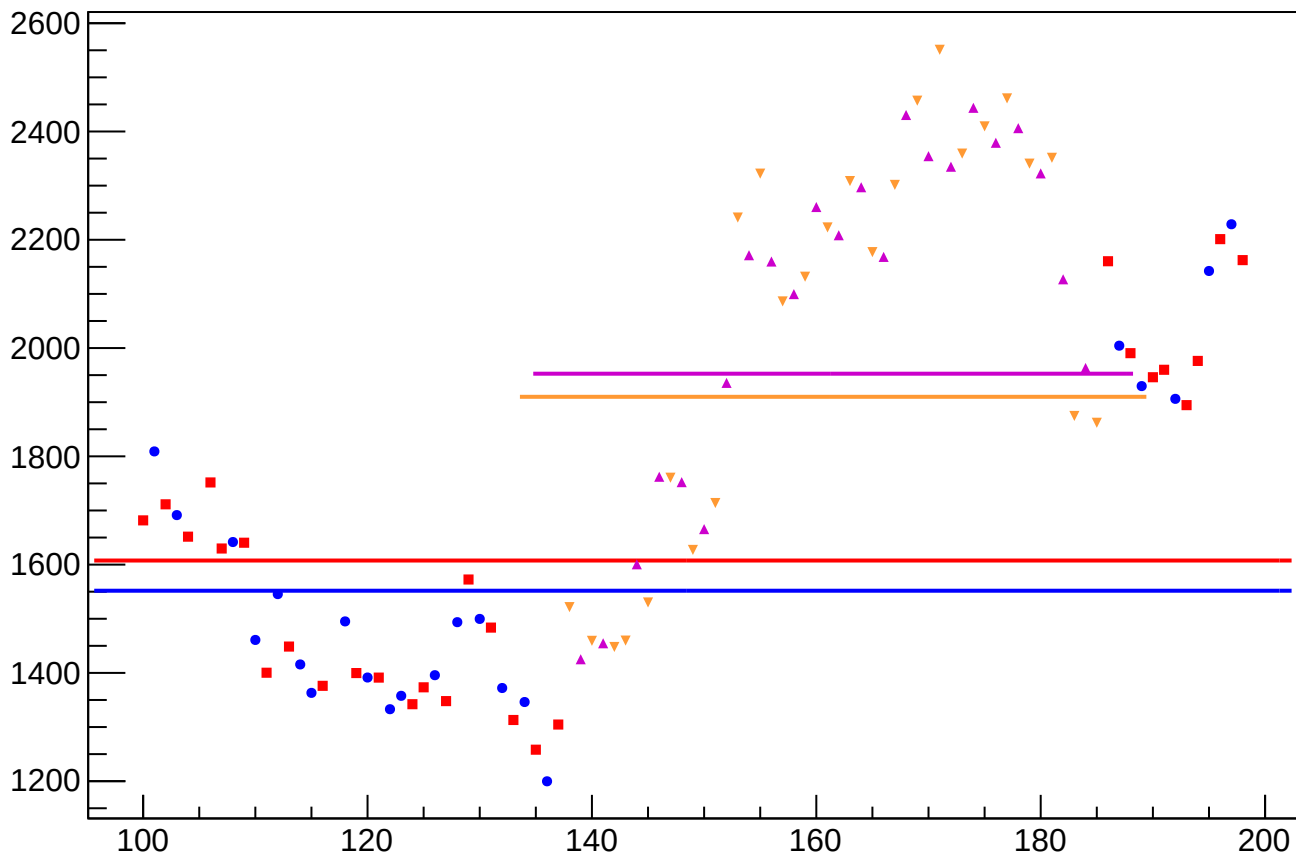
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 13.779 $\pm$ 0.338 χ^2 /NDF: 3334.7/46

All: 9.671 $\pm$ 0.238 χ^2 /NDF: 5458.8/96

- sign 5.667 $\pm$ 0.334 χ^2 /NDF: 1832.5/49

diff_bpm0l01Y_rms vs Slug



Right In: 1551.793 $\pm$ 0.358 χ^2 /NDF: 633306.2/21

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1607.574 $\pm$ 0.331 χ^2 /NDF: 766106.5/26

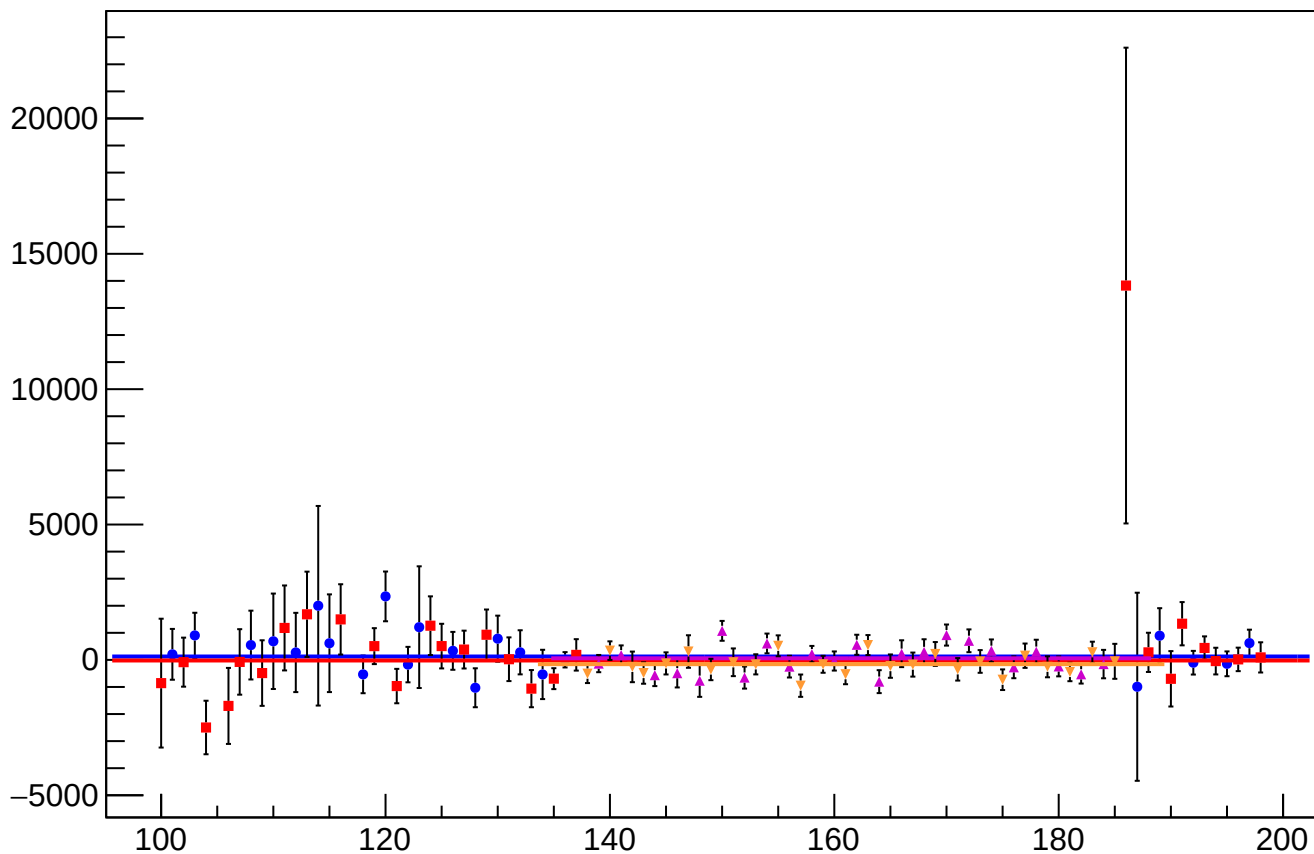
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1750.495 $\pm$ 0.239 χ^2 /NDF: 2587360.6/46

All: 1764.271 $\pm$ 0.168 χ^2 /NDF: 4959612.5/96

- sign 1777.702 $\pm$ 0.236 χ^2 /NDF: 2365691.9/49

asym_sam1_mean vs Slug



Right In: 125.220 ± 147.804 χ^2/NDF : 14.9/21

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -21.496 ± 138.896 χ^2/NDF : 29.8/26

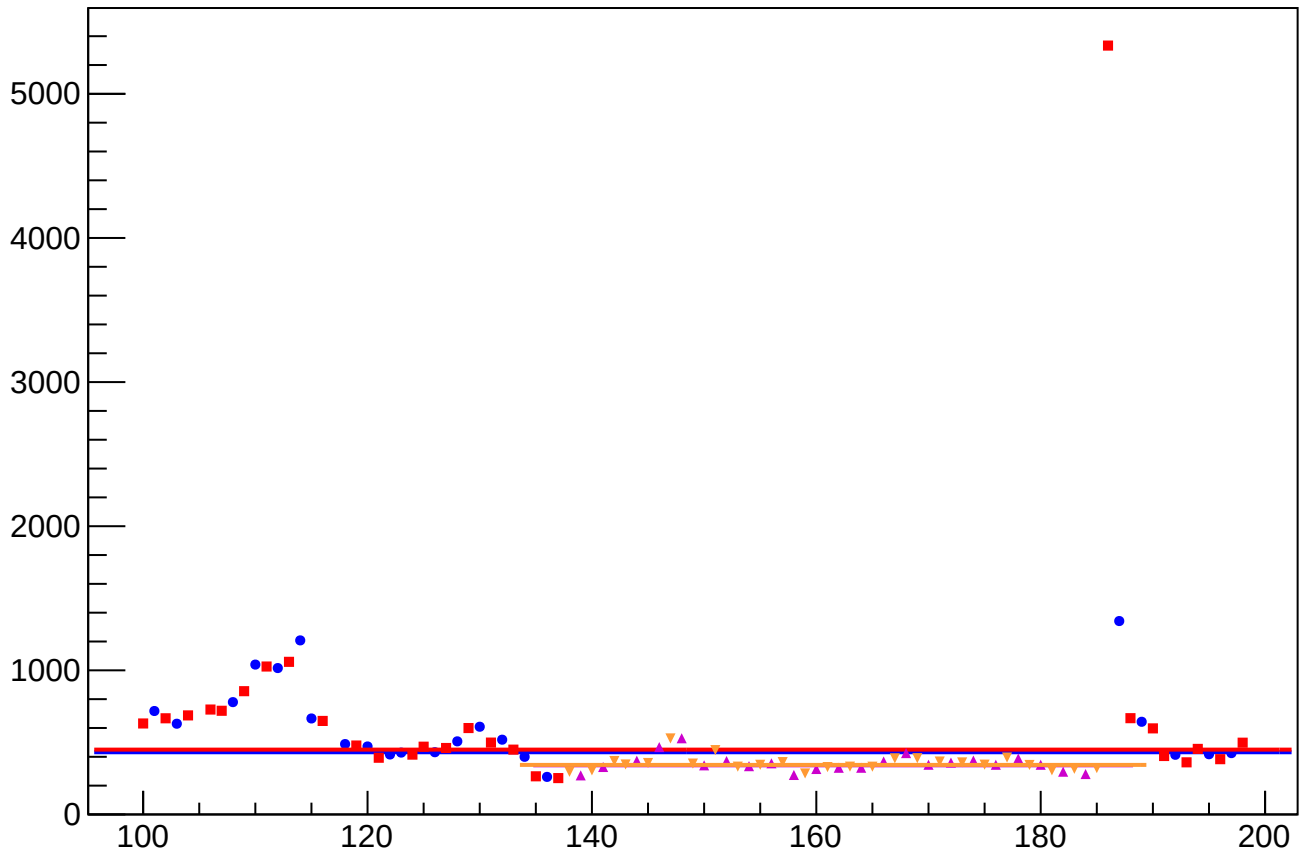
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -92.256 ± 70.895 χ^2/NDF : 39.8/46

All: -27.247 ± 50.162 χ^2/NDF : 110.0/96

- sign 37.927 ± 70.985 χ^2/NDF : 68.6/49

asym_sam1_rms vs Slug



Right In: 431.607 $\pm$ 0.105 χ^2 /NDF: 2236779.6/21

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 449.868 $\pm$ 0.098 χ^2 /NDF: 3027181.2/26

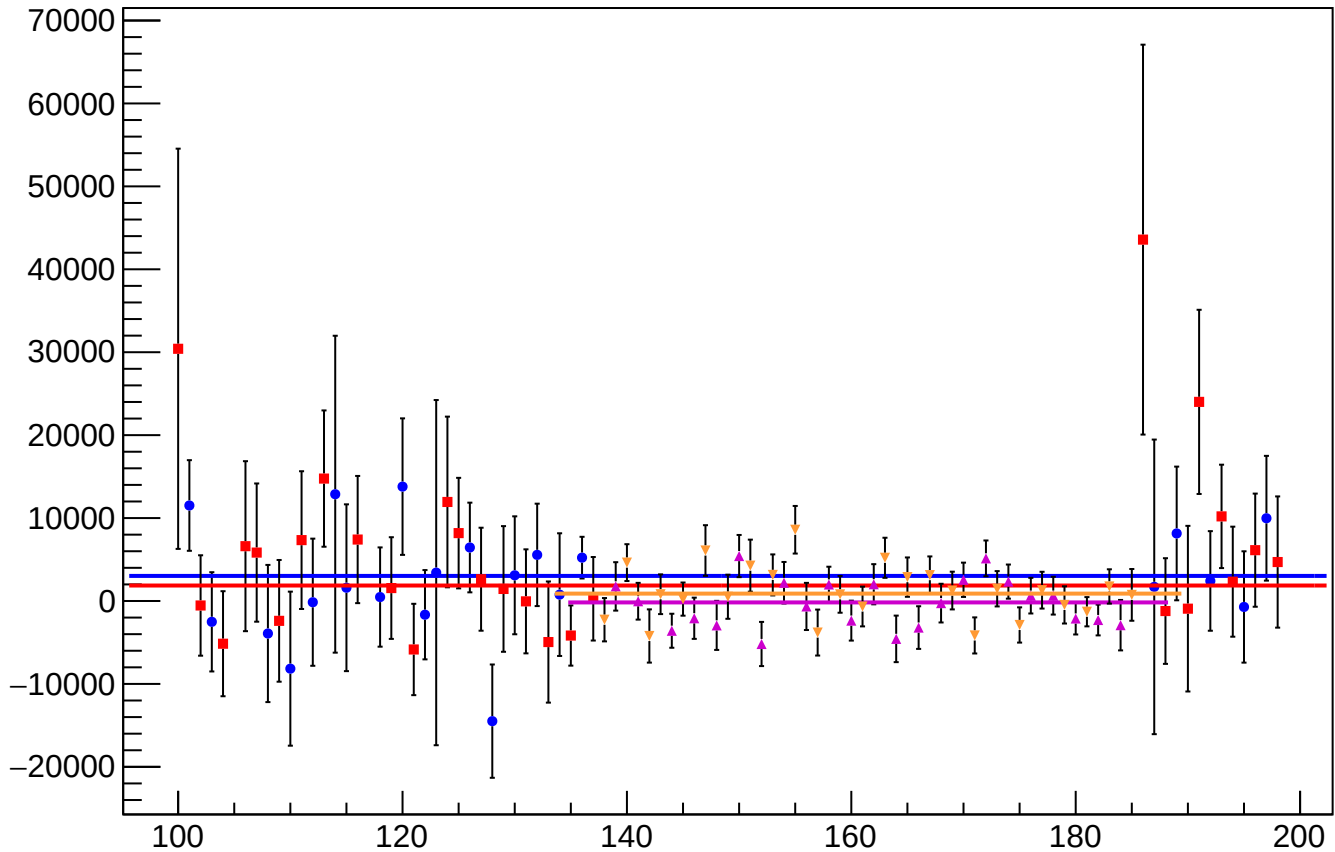
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 364.007 $\pm$ 0.050 χ^2 /NDF: 3319586.0/46

All: 366.672 $\pm$ 0.035 χ^2 /NDF: 7986957.0/96

- sign 369.343 $\pm$ 0.050 χ^2 /NDF: 4661711.6/49

asym_sam2_mean vs Slug



Right In: 3025.017 $\pm$ 1334.811 χ^2 /NDF: 18.1/21

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF: 38.0/24

Right Out: 1865.826 $\pm$ 1327.397 χ^2 /NDF: 24.4/26

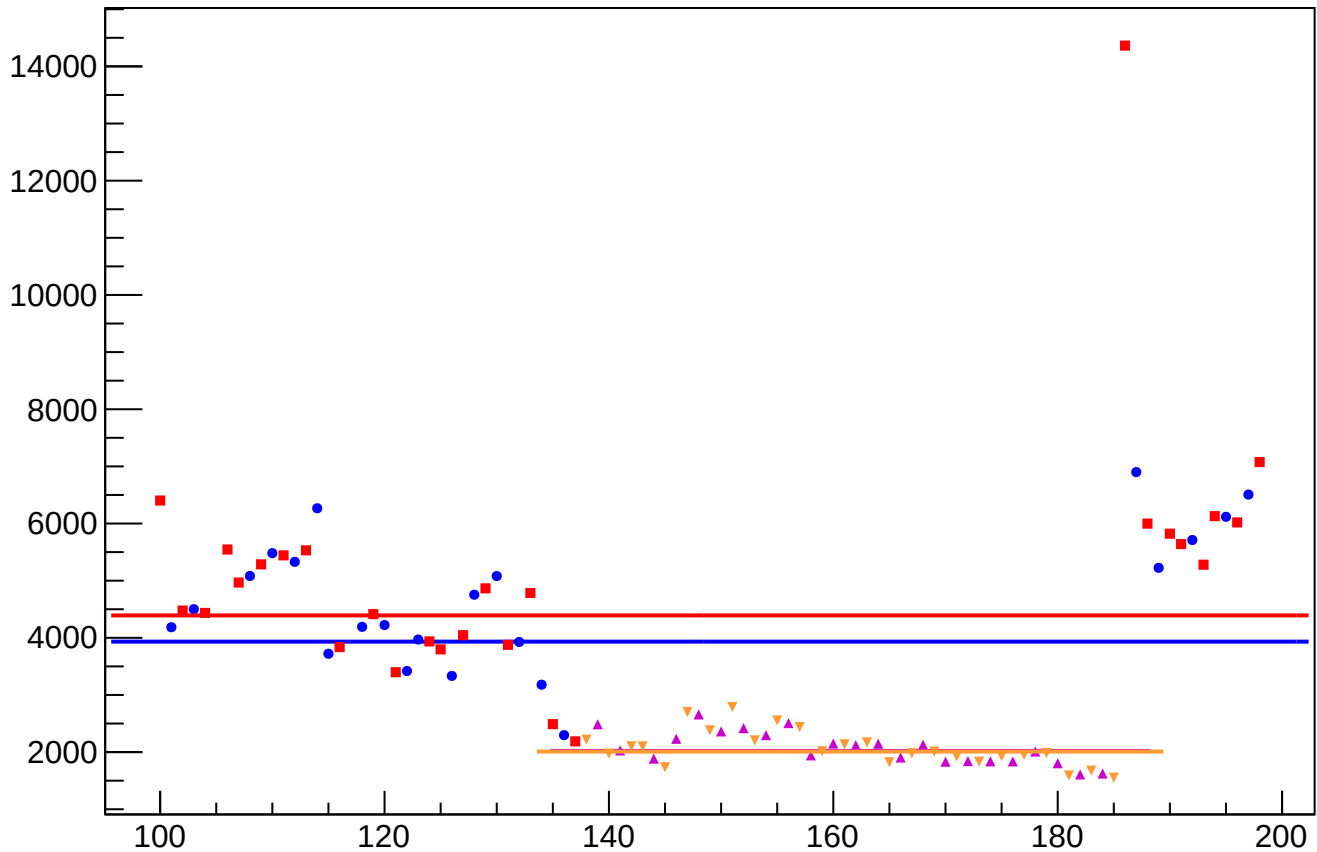
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF: 33.2/22

+ sign 1128.769 $\pm$ 446.055 χ^2 /NDF: 58.3/46

All: 613.636 $\pm$ 319.576 χ^2 /NDF: 120.8/96

- sign 70.347 $\pm$ 458.084 χ^2 /NDF: 59.7/49

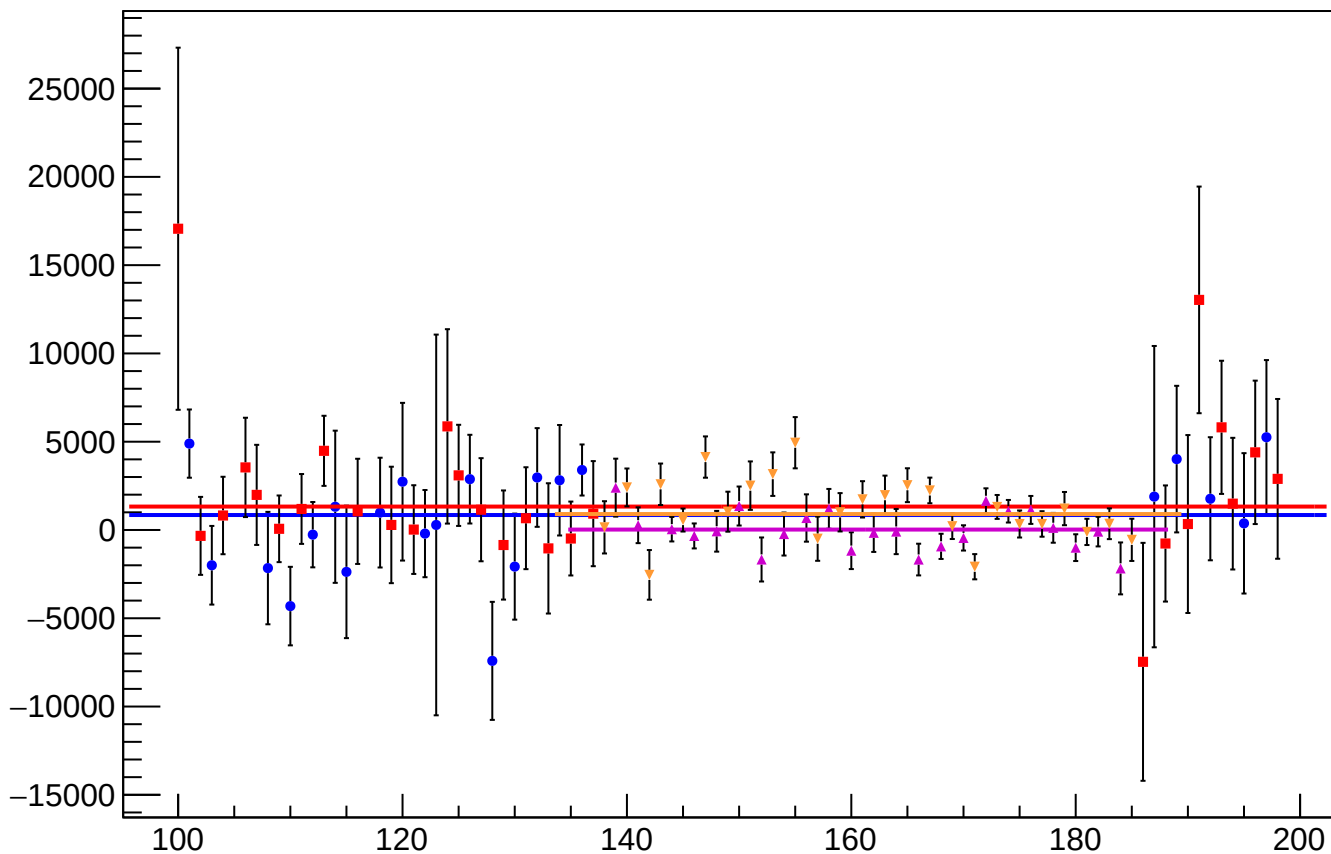
asym_sam2_rms vs Slug



Right In: 3933.338 $\pm$ 0.944 χ^2 /NDF: 1941545.3/21
 Left Out: 2009.631 $\pm$ 0.335 χ^2 /NDF: 709977.6/24
 Right Out: 4392.133 $\pm$ 0.939 χ^2 /NDF: 2285232.5/26
 Left In: 2020.365 $\pm$ 0.345 χ^2 /NDF: 573483.0/22

+ sign 2224.452 $\pm$ 0.315 χ^2 /NDF: 6341659.8/46
 All: 2262.597 $\pm$ 0.226 χ^2 /NDF: 14855166.8/9
 - sign 2302.827 $\pm$ 0.324 χ^2 /NDF: 8483455.5/49

asym_sam3_mean vs Slug



Right In: 847.393 ± 592.325 $\chi^2/\text{NDF}: 27.2/21$

Left Out: 902.091 ± 185.850 $\chi^2/\text{NDF}: 63.5/24$

Right Out: 1326.137 ± 561.856 $\chi^2/\text{NDF}: 17.4/26$

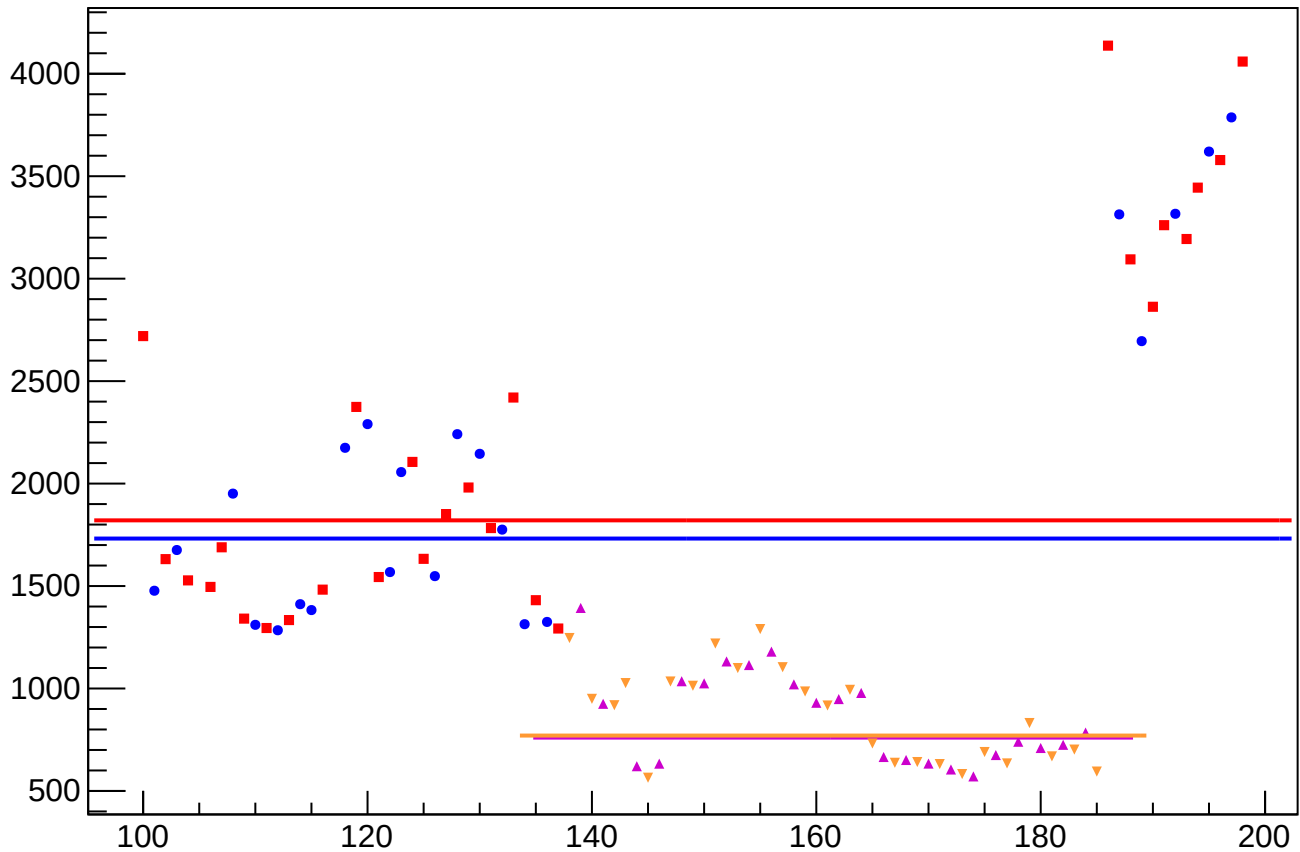
Left In: 23.529 ± 188.137 $\chi^2/\text{NDF}: 28.2/22$

+ sign 897.189 ± 177.326 $\chi^2/\text{NDF}: 90.8/46$

All: 528.266 ± 125.767 $\chi^2/\text{NDF}: 149.9/96$

- sign 154.857 ± 178.401 $\chi^2/\text{NDF}: 50.4/49$

asym_sam3_rms vs Slug



Right In: 1731.754+/-0.419 χ^2/NDF : 2118193.3/21

Left Out: 770.320+/-0.131 χ^2/NDF :2287655.1/24

Right Out: 1820.542+/-0.397 χ^2/NDF : 3029739.0/26

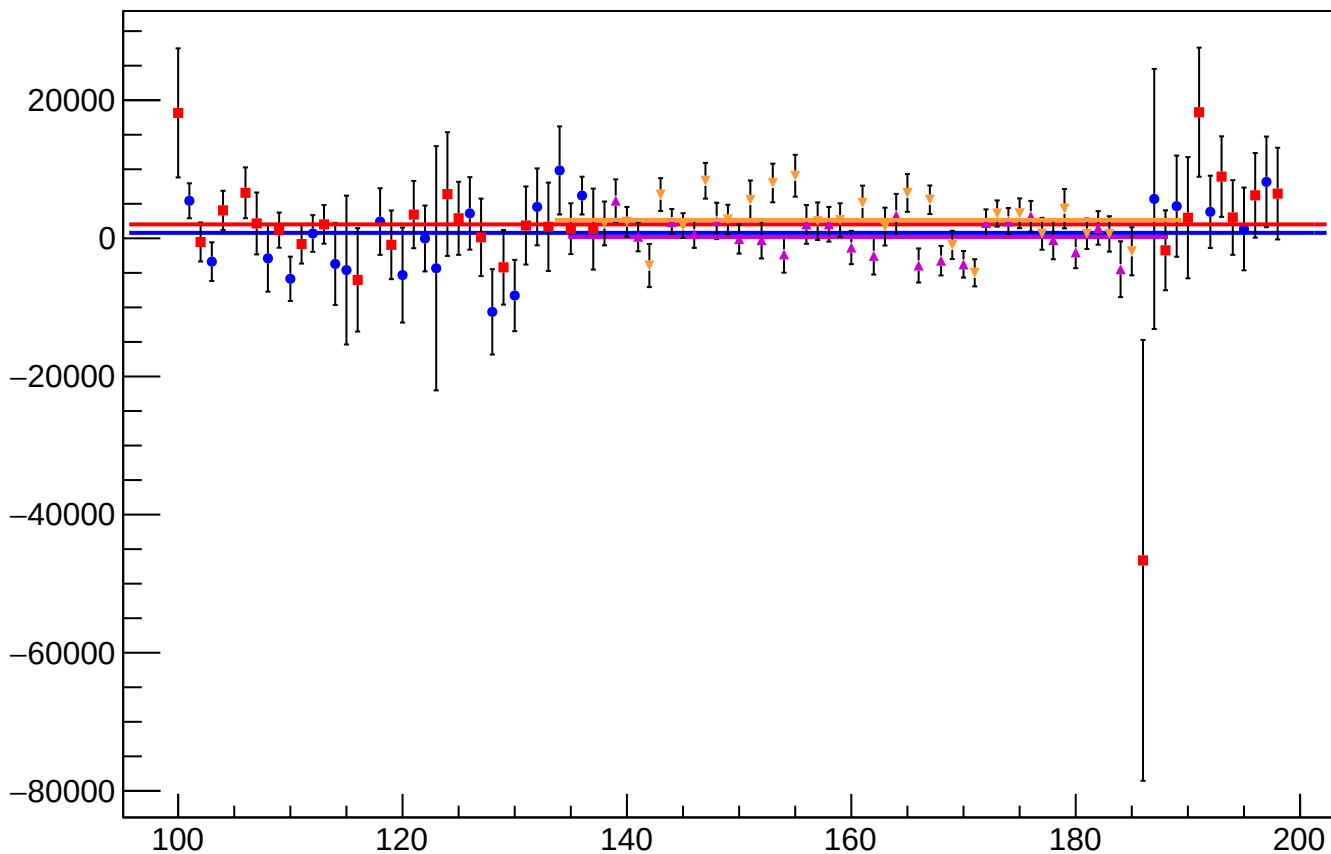
Left In: 760.352+/-0.133 χ^2/NDF :1986749.8/22

+ sign 856.488+/-0.125 χ^2/NDF : 9202842.6/46

All: 861.831+/-0.089 χ^2/NDF : 20626140.7/96

- sign 867.239+/-0.126 χ^2/NDF : 11419644.2/49

asym_sam4_mean vs Slug



Right In: 794.113 ± 947.877 χ^2/NDF : 27.4/21

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 2020.595 ± 865.465 χ^2/NDF : 18.5/26

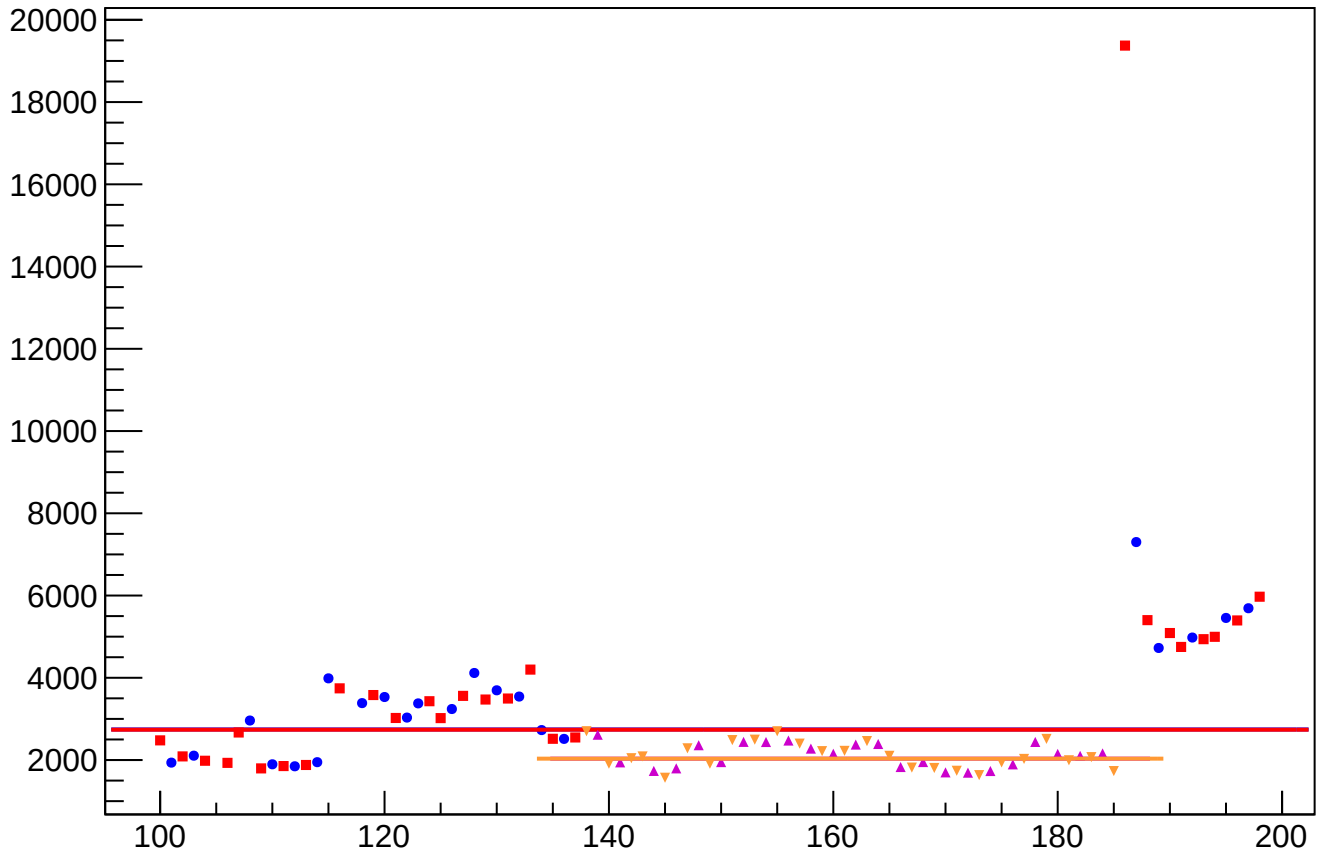
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2283.911 ± 428.063 χ^2/NDF : 79.7/46

All: 1463.546 ± 302.583 χ^2/NDF : 134.7/96

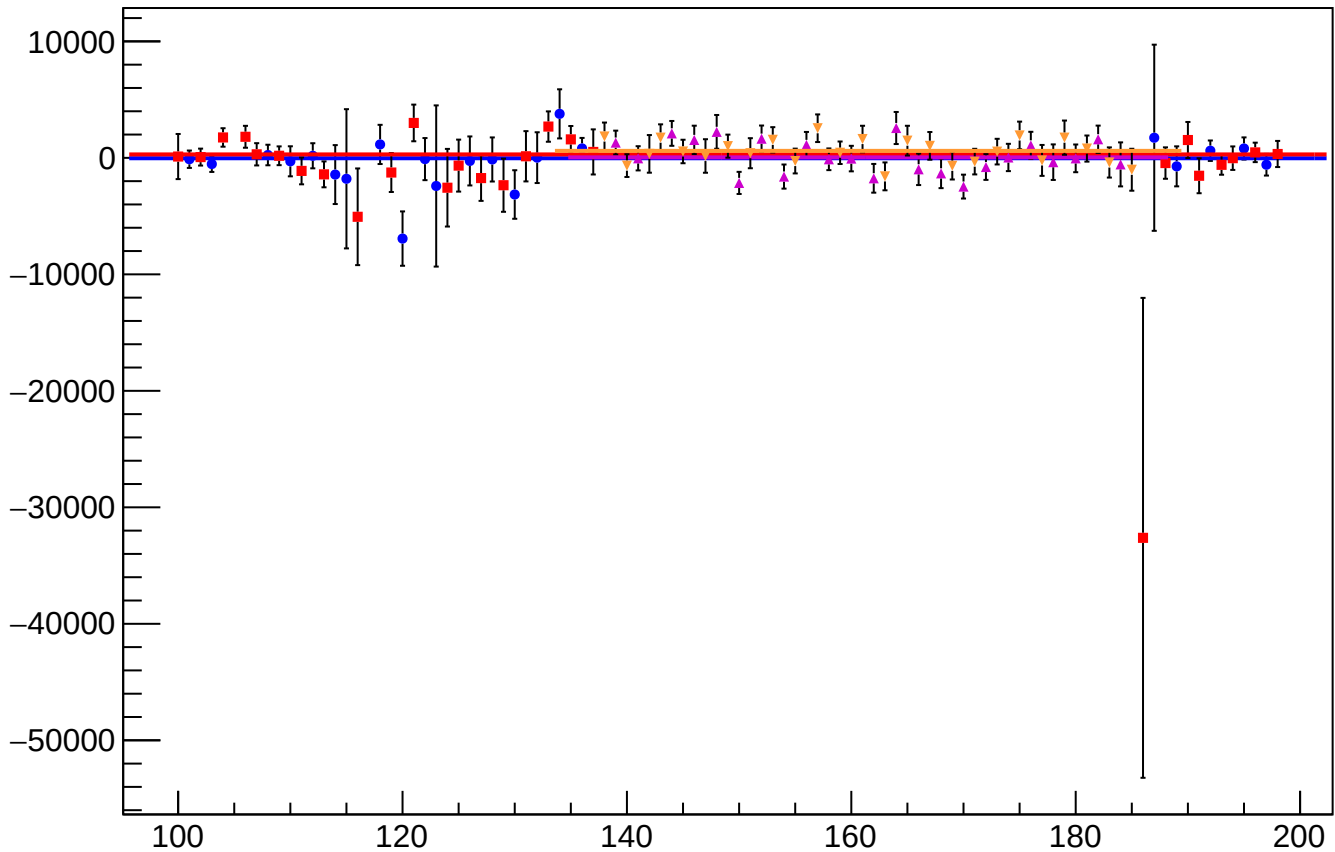
- sign 644.298 ± 427.772 χ^2/NDF : 47.6/49

asym_sam4_rms vs Slug



Right In: 2743.602 $\pm$ 0.670	χ^2 /NDF: 2493004.5/21	+ sign 2178.191 $\pm$ 0.303	χ^2 /NDF: 4211010.5/46
Left Out: 2033.337 $\pm$ 0.339	χ^2 /NDF: 824062.2/24	All: 2191.513 $\pm$ 0.214	χ^2 /NDF: 9911023.0/96
Right Out: 2737.364 $\pm$ 0.612	χ^2 /NDF: 4041302.6/26	- sign 2204.816 $\pm$ 0.302	χ^2 /NDF: 5696141.4/49
Left In: 2032.655 $\pm$ 0.348	χ^2 /NDF: 652763.7/22		

asym_sam5_mean vs Slug



Right In: -34.112 ± 266.522 χ^2/NDF : 18.8/21

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 296.004 ± 232.635 χ^2/NDF : 29.7/26

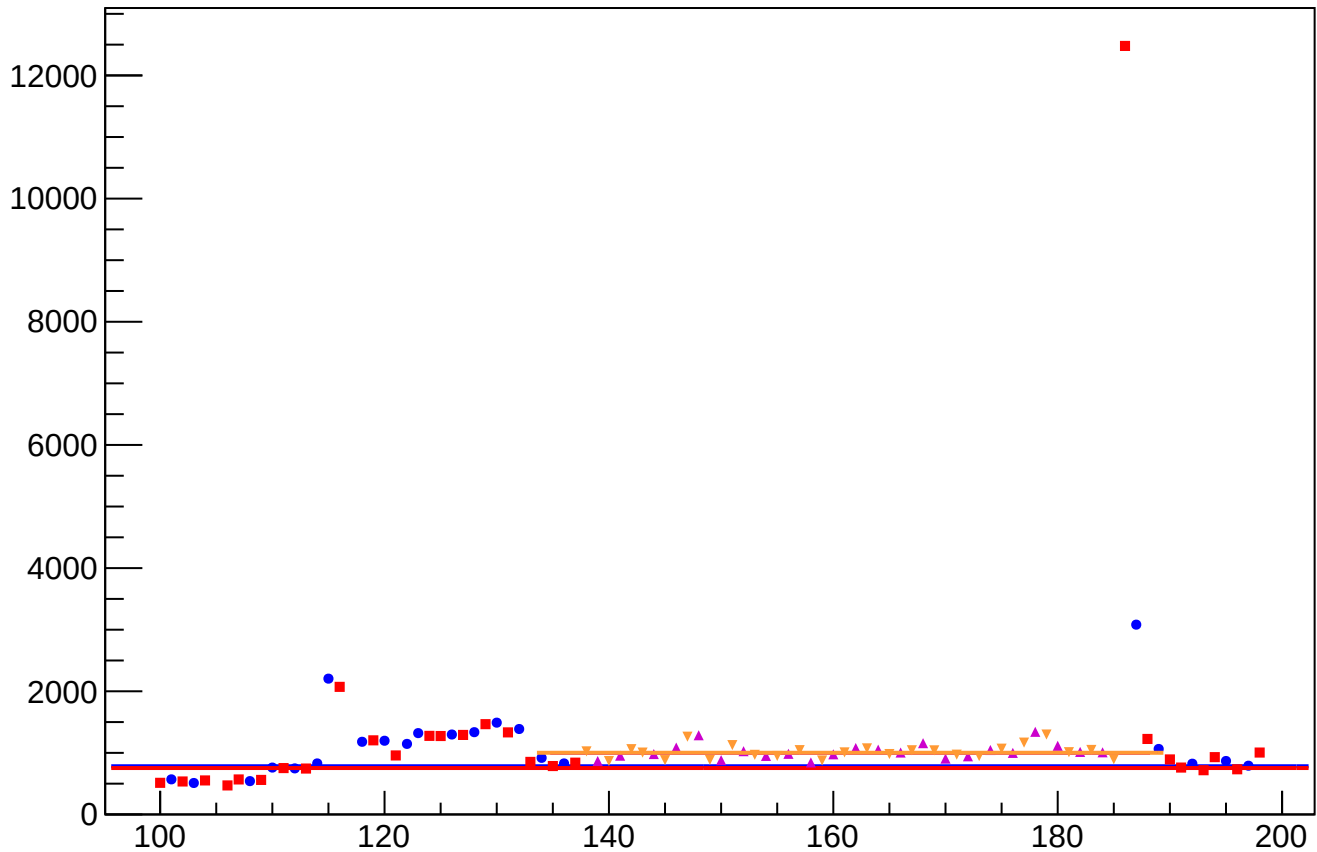
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 322.689 ± 176.253 χ^2/NDF : 40.4/46

All: 244.042 ± 121.345 χ^2/NDF : 107.4/96

- sign 173.172 ± 167.312 χ^2/NDF : 66.6/49

asym_sam5_rms vs Slug



Right In: 782.726 $\pm$ 0.188 χ^2 /NDF: 1945475.0/21

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 753.769 $\pm$ 0.164 χ^2 /NDF: 2832100.5/26

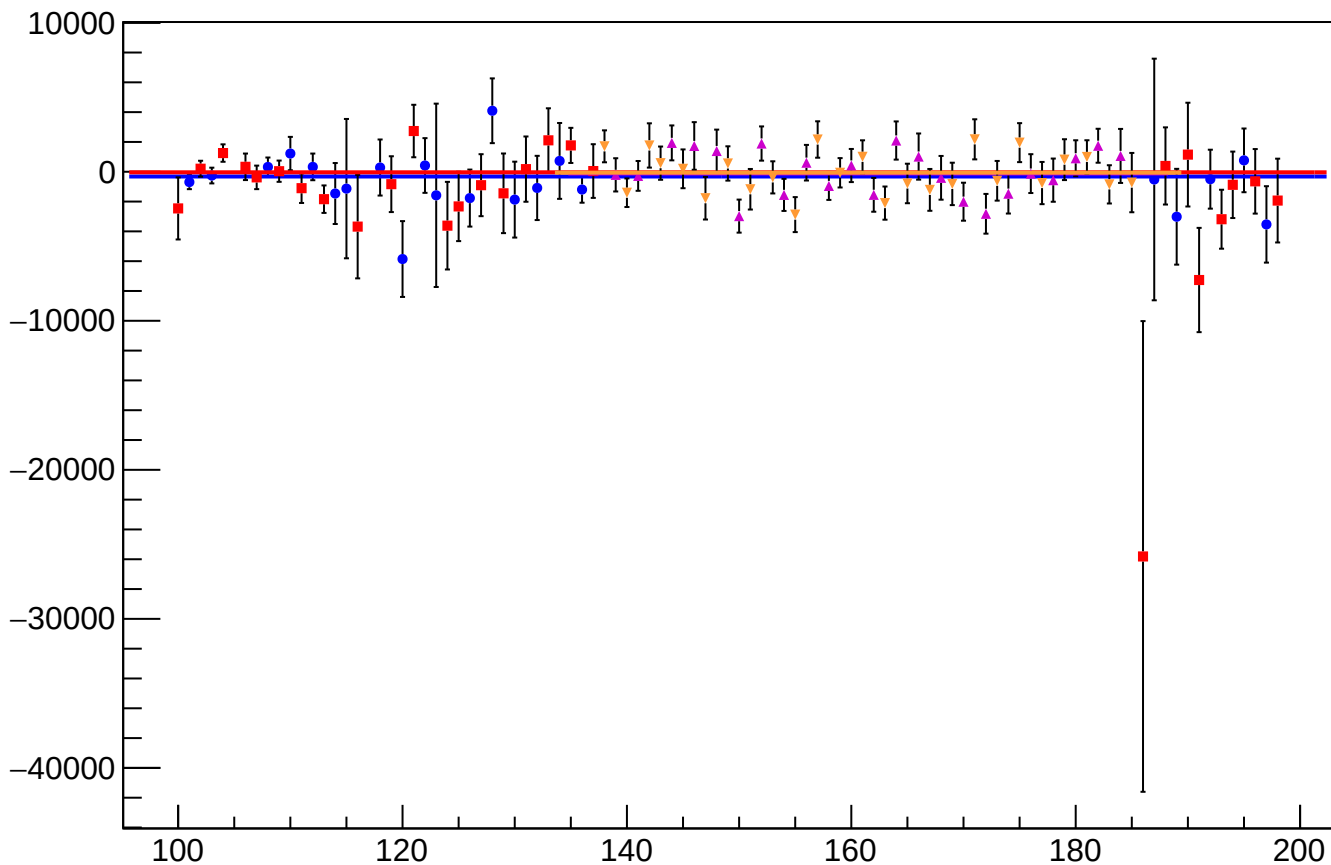
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 905.809 $\pm$ 0.125 χ^2 /NDF: 3073820.2/46

All: 887.864 $\pm$ 0.086 χ^2 /NDF: 7414560.9/96

- sign 871.694 $\pm$ 0.118 χ^2 /NDF: 4301329.4/49

asym_sam6_mean vs Slug



Right In: -318.534 ± 245.059 χ^2/NDF : 18.4/21

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -36.139 ± 238.296 χ^2/NDF : 32.1/26

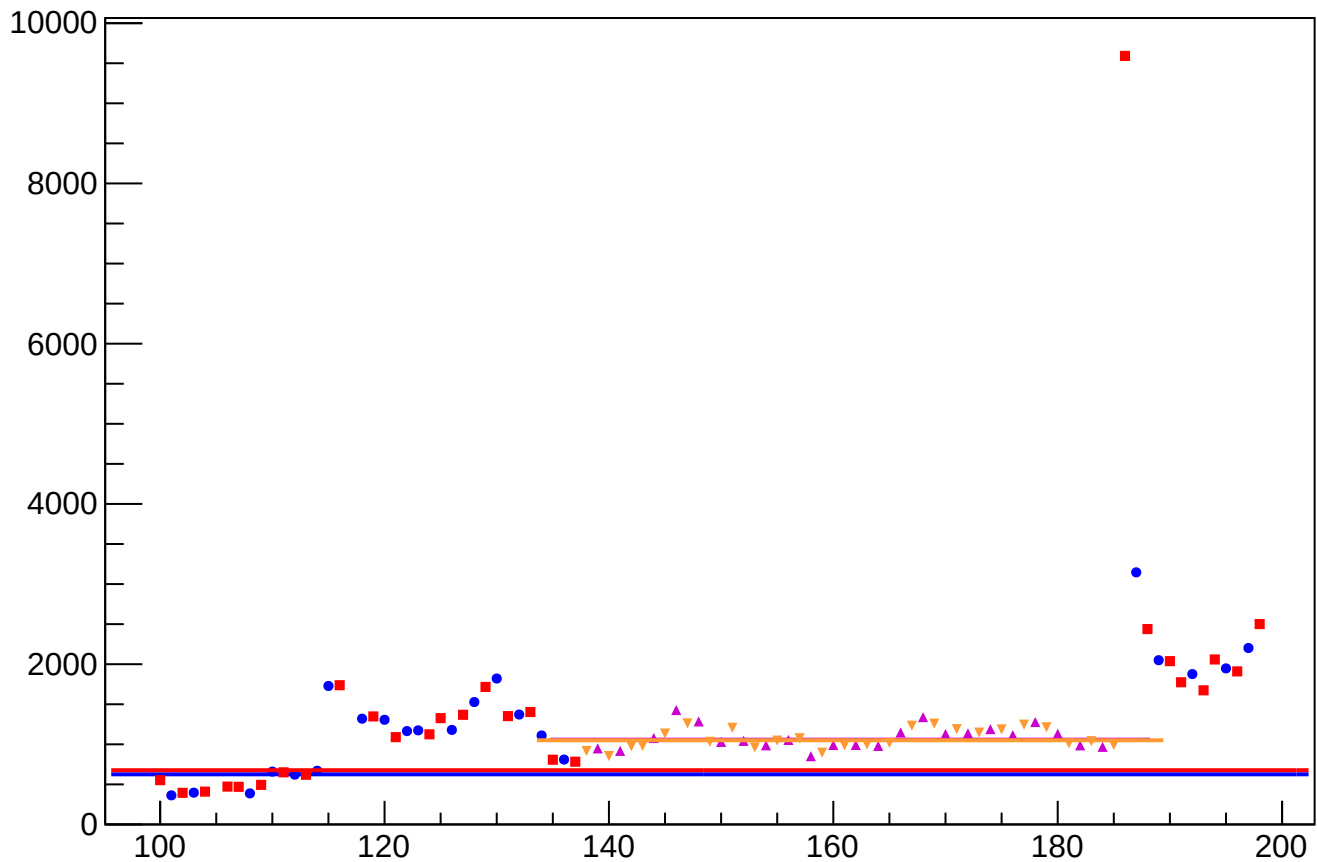
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -189.941 ± 173.791 χ^2/NDF : 49.9/46

All: -130.936 ± 123.046 χ^2/NDF : 117.1/96

- sign -71.628 ± 174.237 χ^2/NDF : 67.0/49

asym_sam6_rms vs Slug



Right In: 625.753+/-0.173 χ^2/NDF : 6251066.4/21

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 676.930+/-0.169 χ^2/NDF : 7929892.9/26

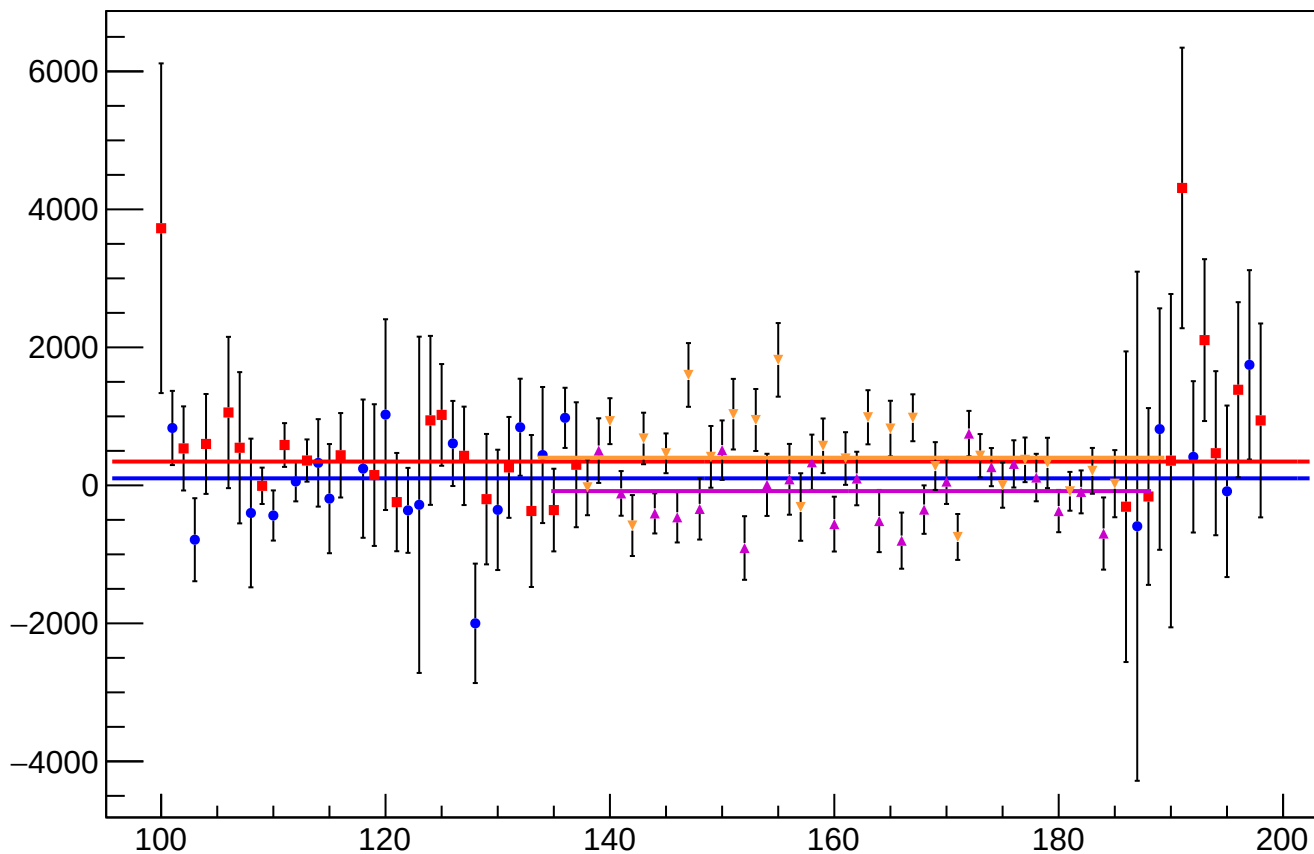
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 836.953+/-0.123 χ^2/NDF : 9722790.3/46

All: 845.613+/-0.087 χ^2/NDF : 20572619.6/96

- sign 854.317+/-0.123 χ^2/NDF : 10839871.9/49

asym_sam7_mean vs Slug



Right In: 101.899 ± 139.853 χ^2/NDF : 21.6/21

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 345.015 ± 125.866 χ^2/NDF : 16.2/26

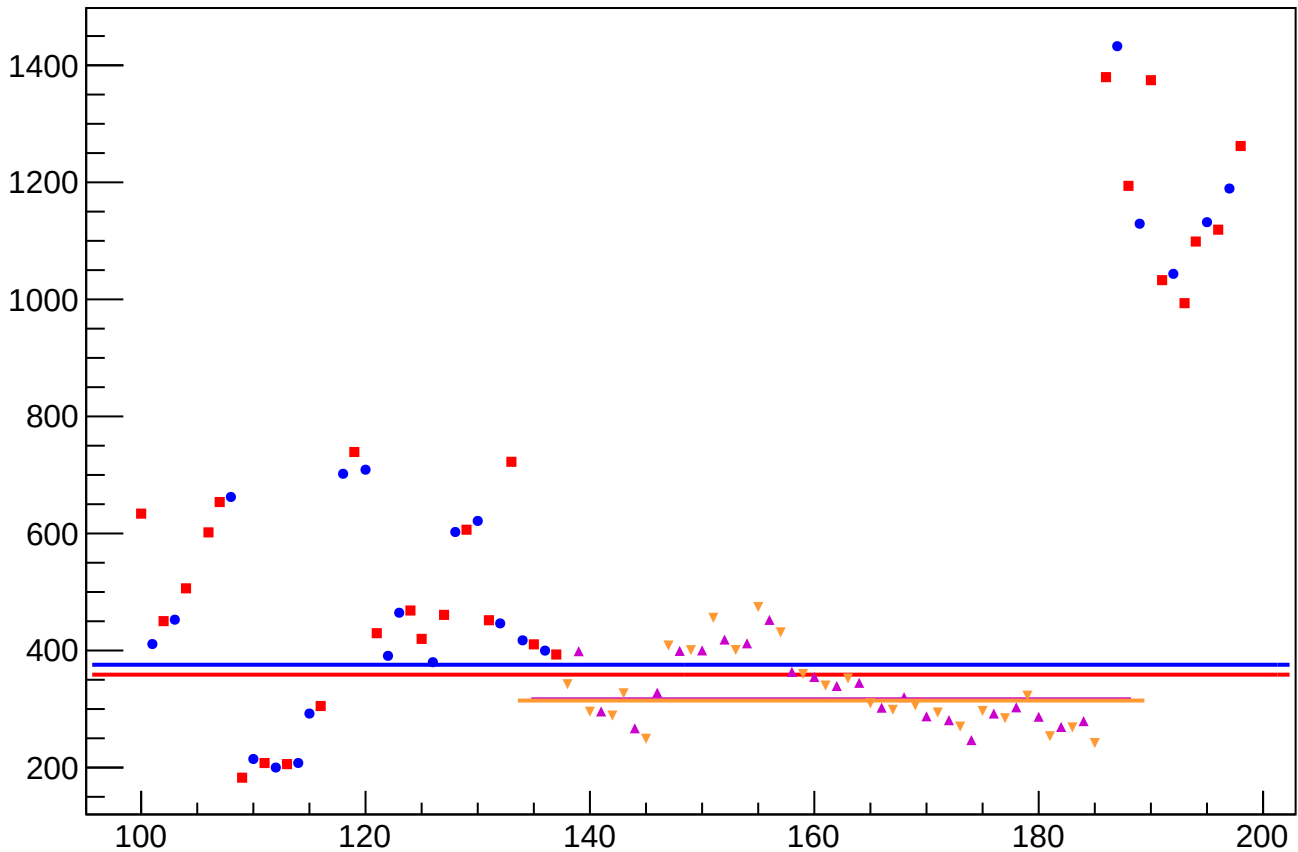
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 334.811 ± 65.784 χ^2/NDF : 77.3/46

All: 183.753 ± 46.460 χ^2/NDF : 141.4/96

- sign 33.431 ± 65.624 χ^2/NDF : 53.6/49

asym_sam7_rms vs Slug



Right In: 375.667 $\pm$ 0.099 χ^2 /NDF: 4861283.7/21

Left Out: 314.538 $\pm$ 0.053 χ^2 /NDF:1112445.6/24

Right Out: 358.744 $\pm$ 0.089 χ^2 /NDF: 7768247.6/26

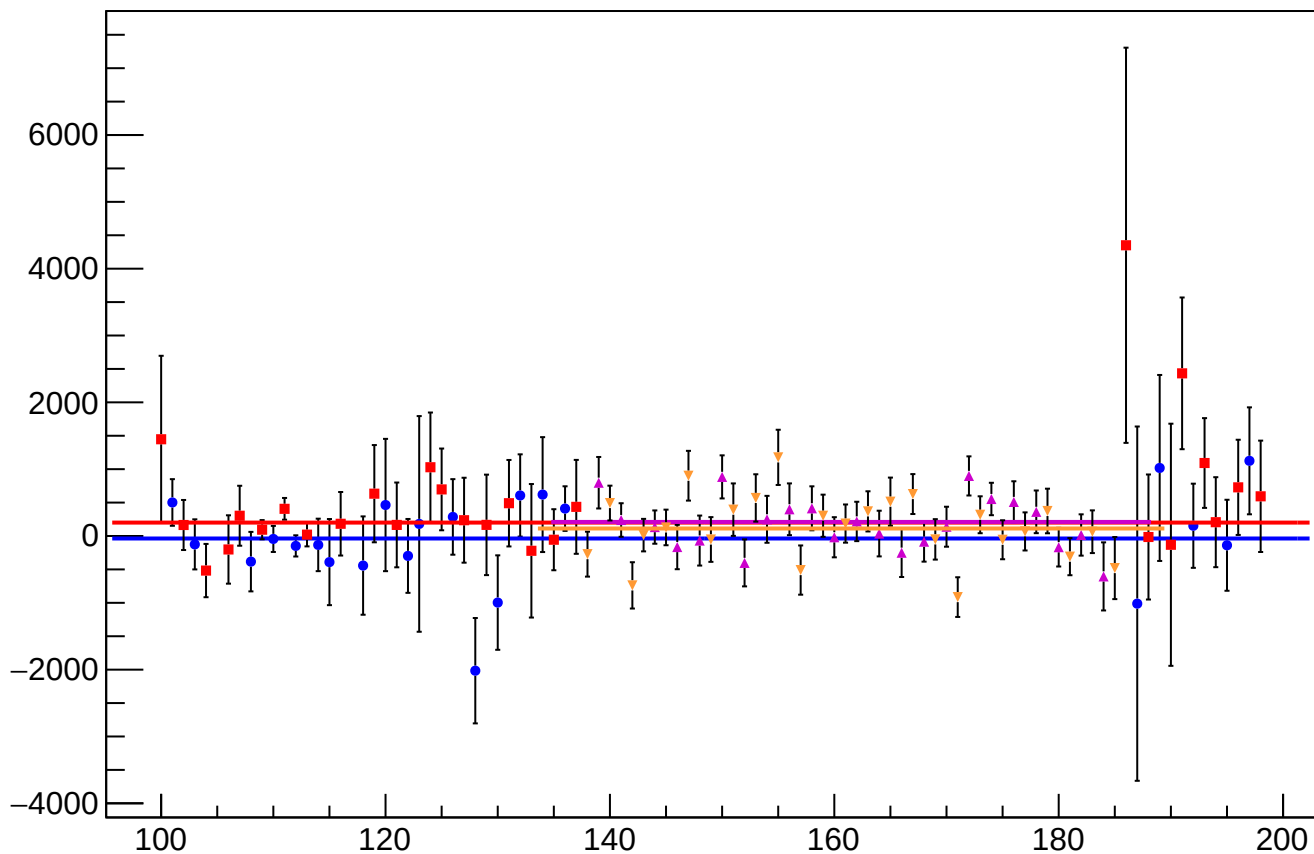
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF:920874.0/22

+ sign 328.064 $\pm$ 0.047 χ^2 /NDF: 6271289.1/46

All: 328.077 $\pm$ 0.033 χ^2 /NDF: 15123320.8/96

- sign 328.090 $\pm$ 0.046 χ^2 /NDF: 8852031.5/49

asym_sam8_mean vs Slug



Right In: -37.423 ± 88.225 χ^2/NDF : 19.6/21

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 200.646 ± 74.748 χ^2/NDF : 19.4/26

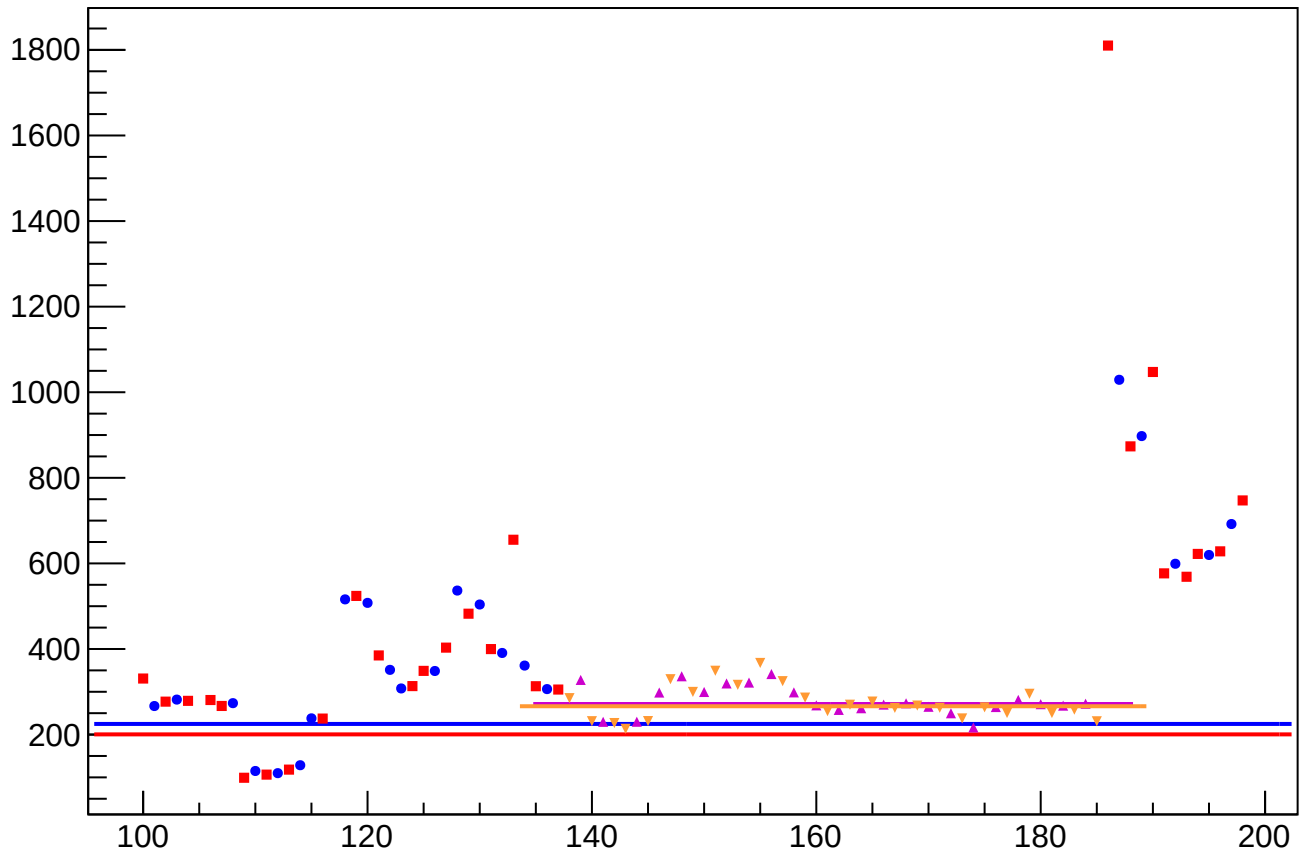
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 62.078 ± 51.077 χ^2/NDF : 70.6/46

All: 136.734 ± 35.460 χ^2/NDF : 123.3/96

- sign 206.193 ± 49.267 χ^2/NDF : 48.6/49

asym_sam8_rms vs Slug



Right In: 224.855+/-0.062 χ^2/NDF : 6241162.0/21

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 200.463+/-0.053 χ^2/NDF : 9619031.3/26

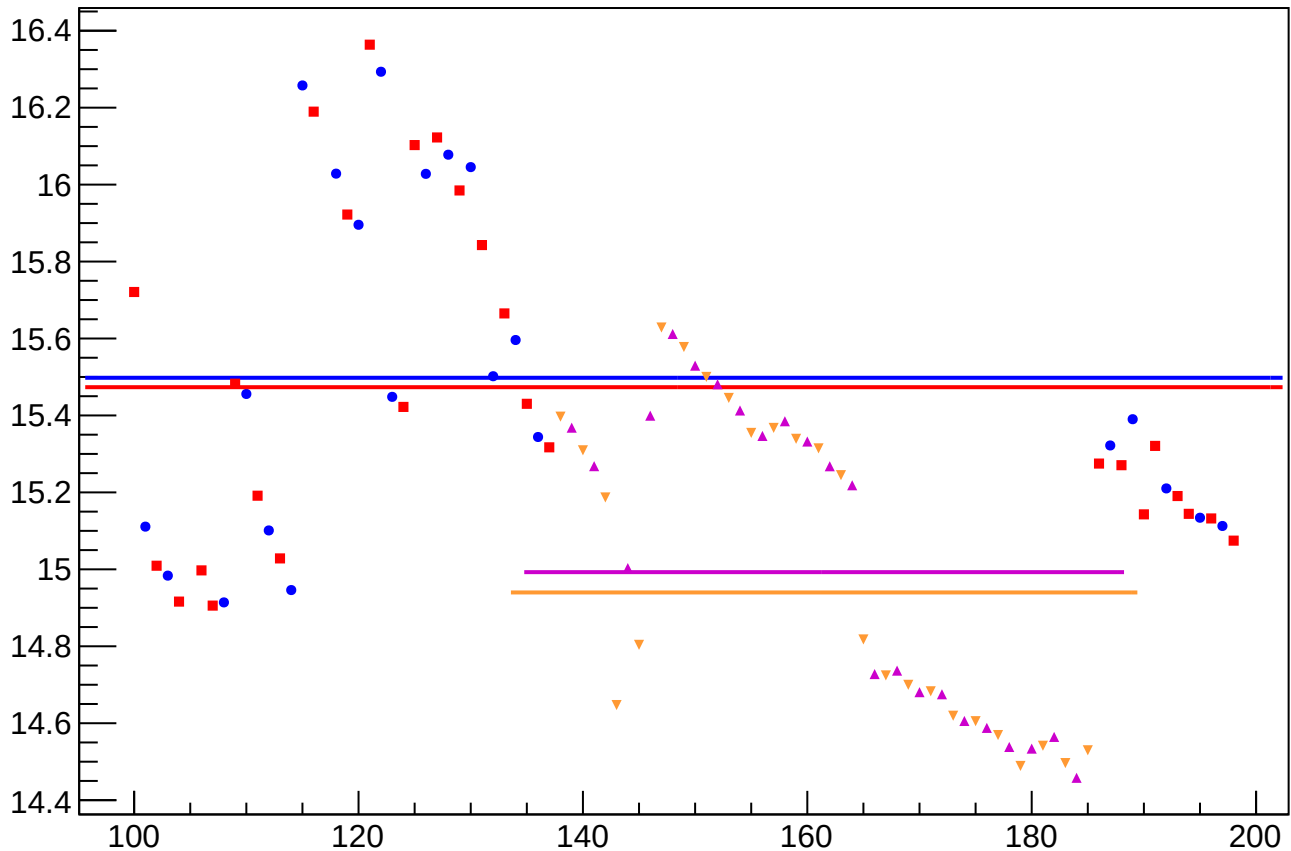
Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

+ sign 252.347+/-0.036 χ^2/NDF : 7182903.7/46

All: 246.257+/-0.025 χ^2/NDF : 18397875.7/96

- sign 240.592+/-0.035 χ^2/NDF : 11160094.0/49

yield_sam1_mean vs Slug



Right In: 15.498+/-0.000 χ^2/NDF : 7859258201.5/21

Left Out: 14.940+/-0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.473+/-0.000 χ^2/NDF : 8758732559.7/26

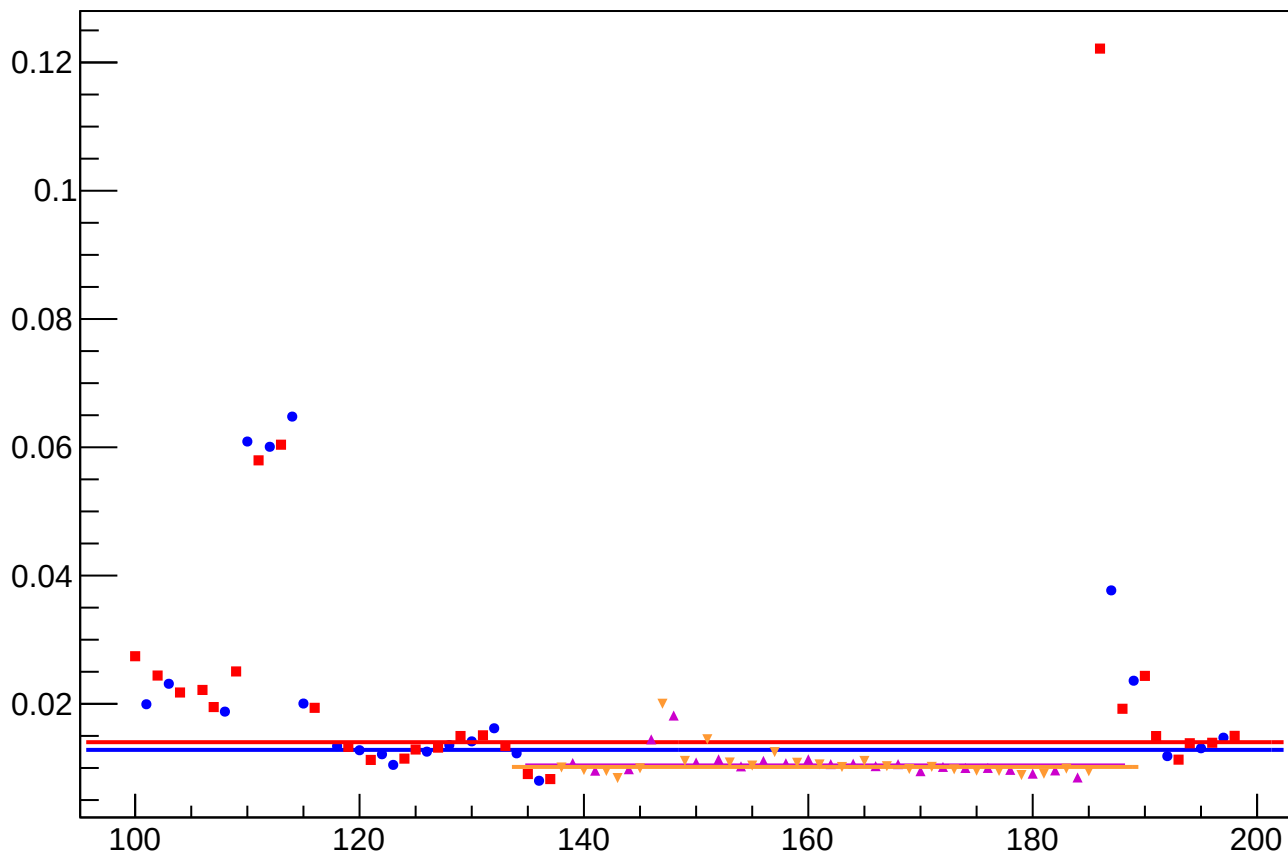
Left In: 14.993+/-0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.065+/-0.000 χ^2/NDF : 43754099122.6/46

All: 15.088+/-0.000 χ^2/NDF : 83487099150.6

- sign 15.112+/-0.000 χ^2/NDF : 39504978976.1/49

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2483916.5/21

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2980748.6/26

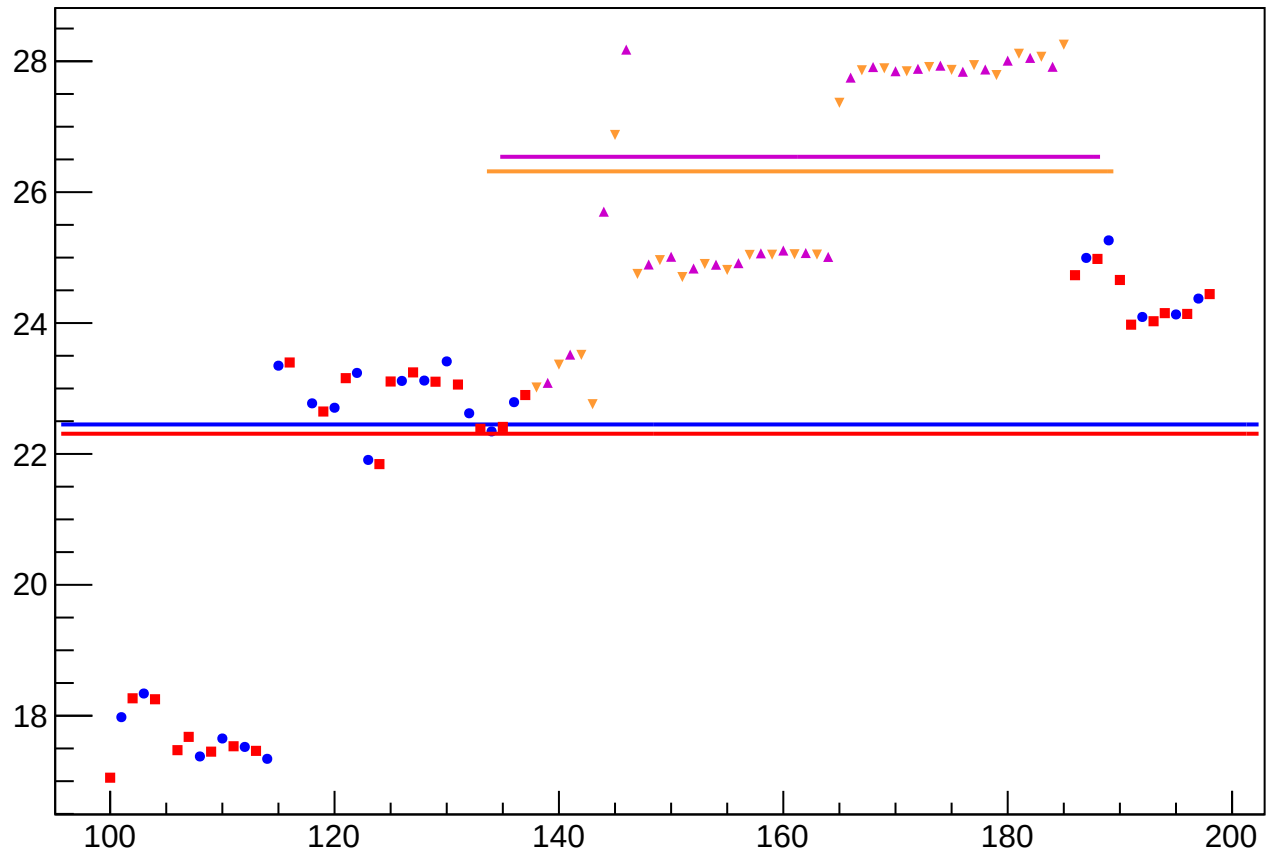
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3731958.1/46

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8308991.4/96

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4516972.6/49

yield_sam2_mean vs Slug



Right In: 22.451+/-0.000 χ^2 /NDF: 1046781262.8/21

Left Out: 26.318+/-0.000 χ^2 /NDF: 4715403741.0/24

Right Out: 22.309+/-0.000 χ^2 /NDF: 1284438914.0/26

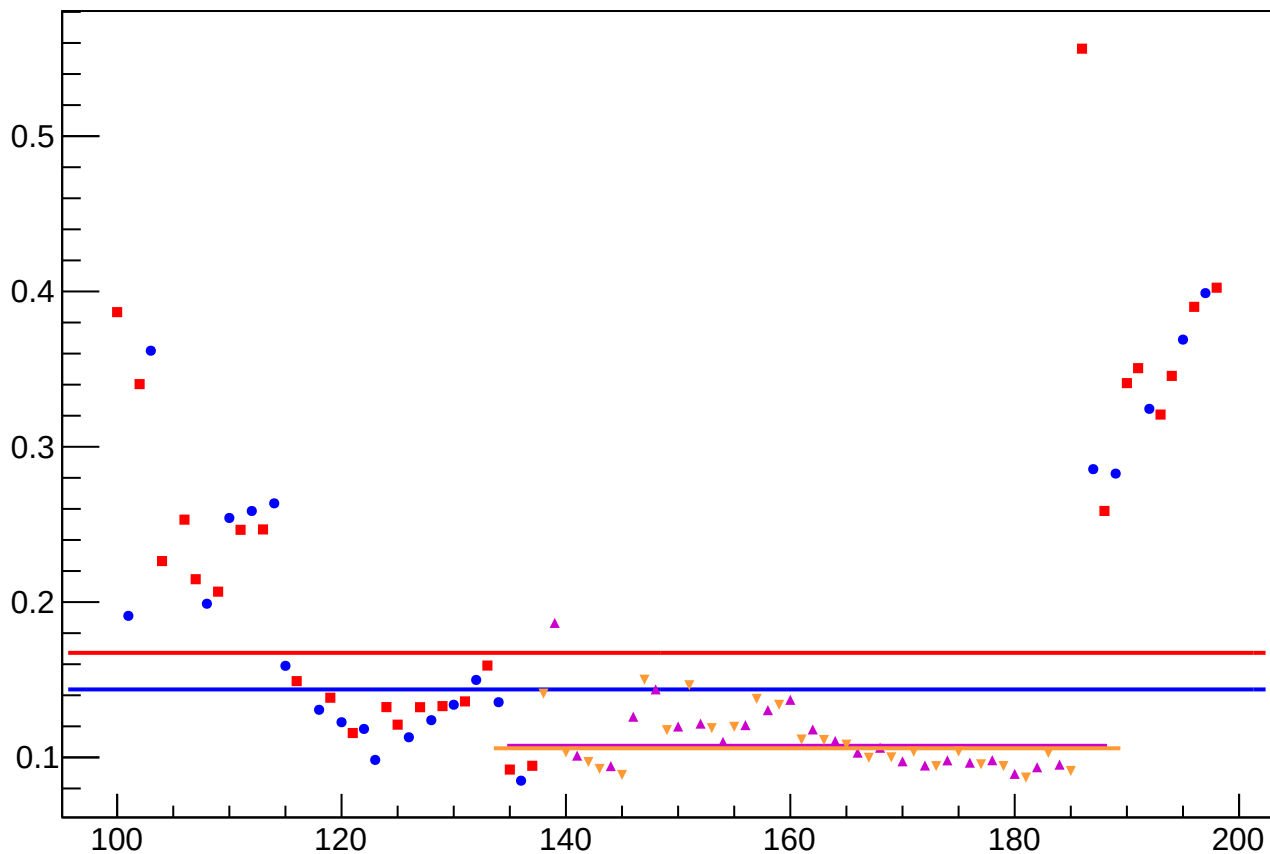
Left In: 26.540+/-0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.573+/-0.000 χ^2 /NDF: 9824582756.1/46

All: 25.637+/-0.000 χ^2 /NDF: 18998966834.7

- sign 25.708+/-0.000 χ^2 /NDF: 9159168268.6/49

yield_sam2_rms vs Slug



Right In: 0.144+/-0.000 χ^2/NDF : 3693022.2/21

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.167+/-0.000 χ^2/NDF : 4523696.6/26

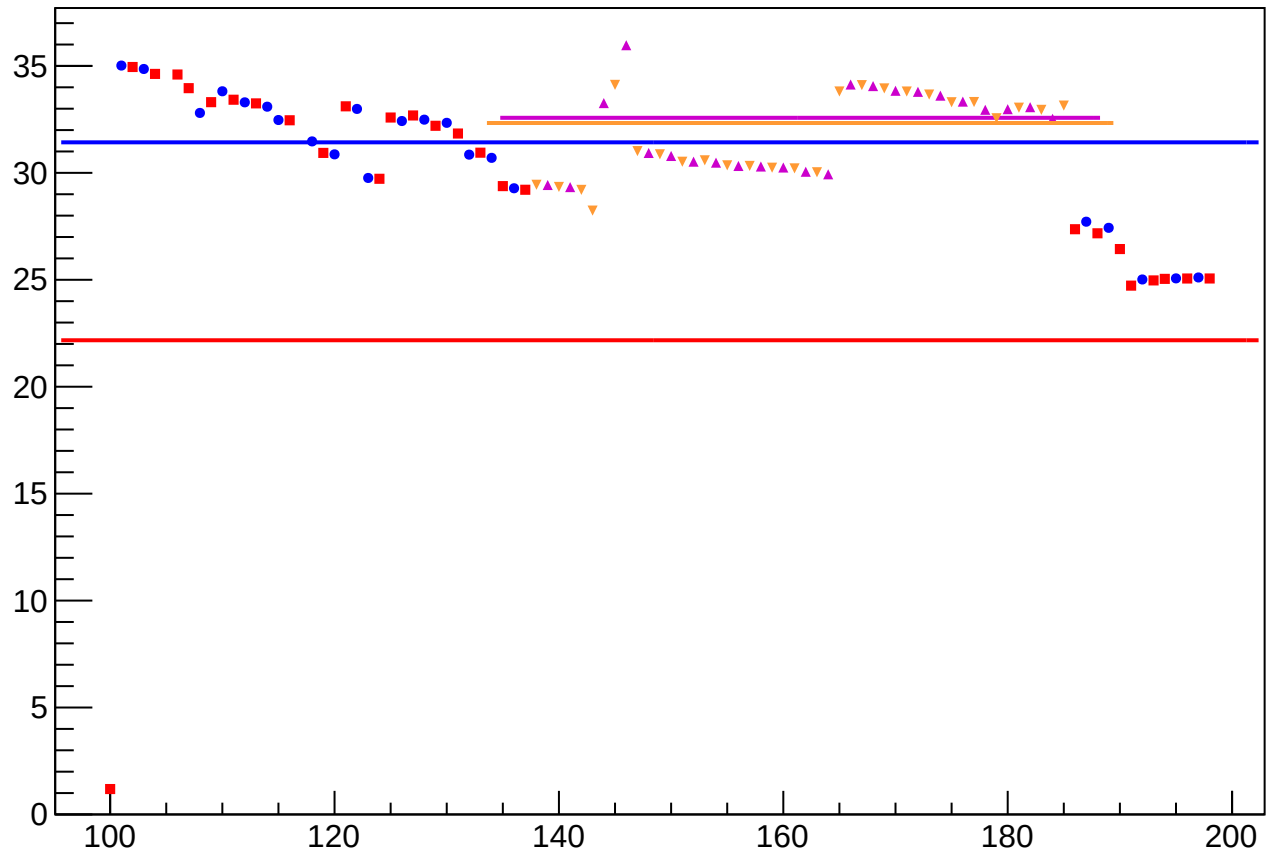
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.113+/-0.000 χ^2/NDF : 5205857.2/46

All: 0.116+/-0.000 χ^2/NDF : 12389496.5/96

- sign 0.119+/-0.000 χ^2/NDF : 7121859.3/49

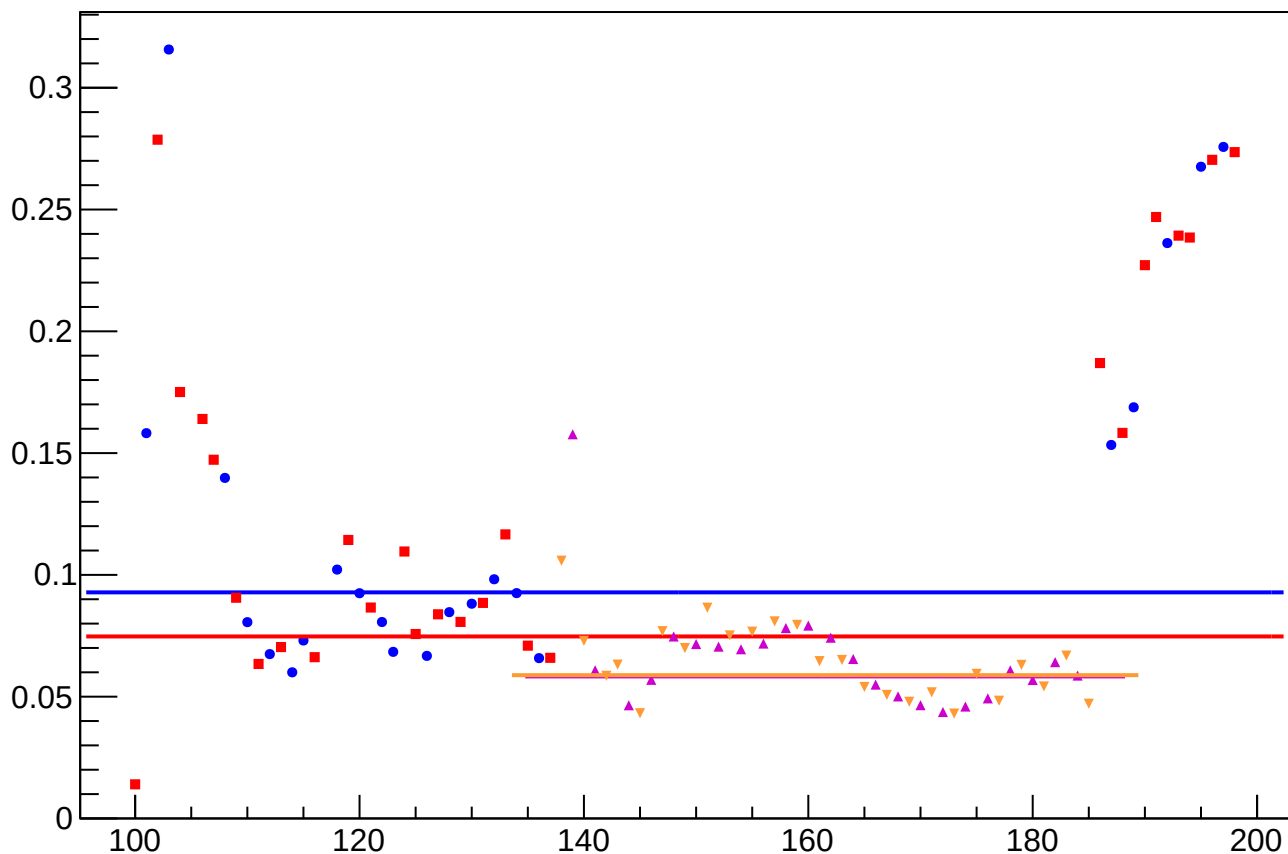
yield_sam3_mean vs Slug



Right In: 31.427+/-0.000 χ^2 /NDF: 3839729769.0/21
 Left Out: 32.331+/-0.000 χ^2 /NDF: 12850475096.2/24
 Right Out: 22.172+/-0.000 χ^2 /NDF: 230754553630.2/26
 Left In: 32.574+/-0.000 χ^2 /NDF: 11797772603.7/22

+ sign 32.187+/-0.000 χ^2 /NDF: 17222971069.0/46
 All: 31.170+/-0.000 χ^2 /NDF: 366691999749.
 - sign 30.194+/-0.000 χ^2 /NDF: 339586838847.2/49

yield_sam3_rms vs Slug



Right In: 0.093 ± 0.000 χ^2/NDF : 3530290.3/21

Left Out: 0.059 ± 0.000 χ^2/NDF : 1402605.2/24

Right Out: 0.075 ± 0.000 χ^2/NDF : 8359031.2/26

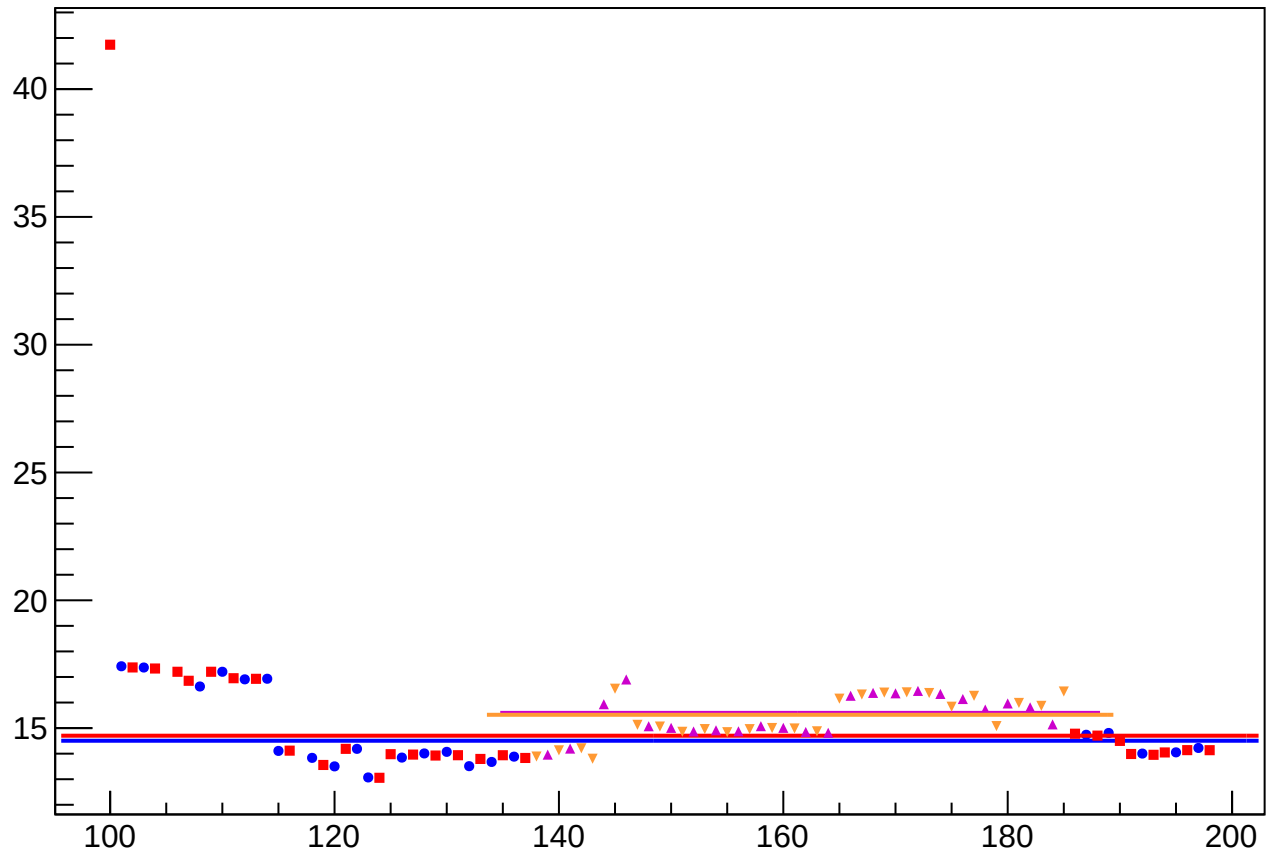
Left In: 0.058 ± 0.000 χ^2/NDF : 1525476.4/22

+ sign 0.064 ± 0.000 χ^2/NDF : 6438847.3/46

All: 0.063 ± 0.000 χ^2/NDF : 16829729.8/96

- sign 0.062 ± 0.000 χ^2/NDF : 10367534.5/49

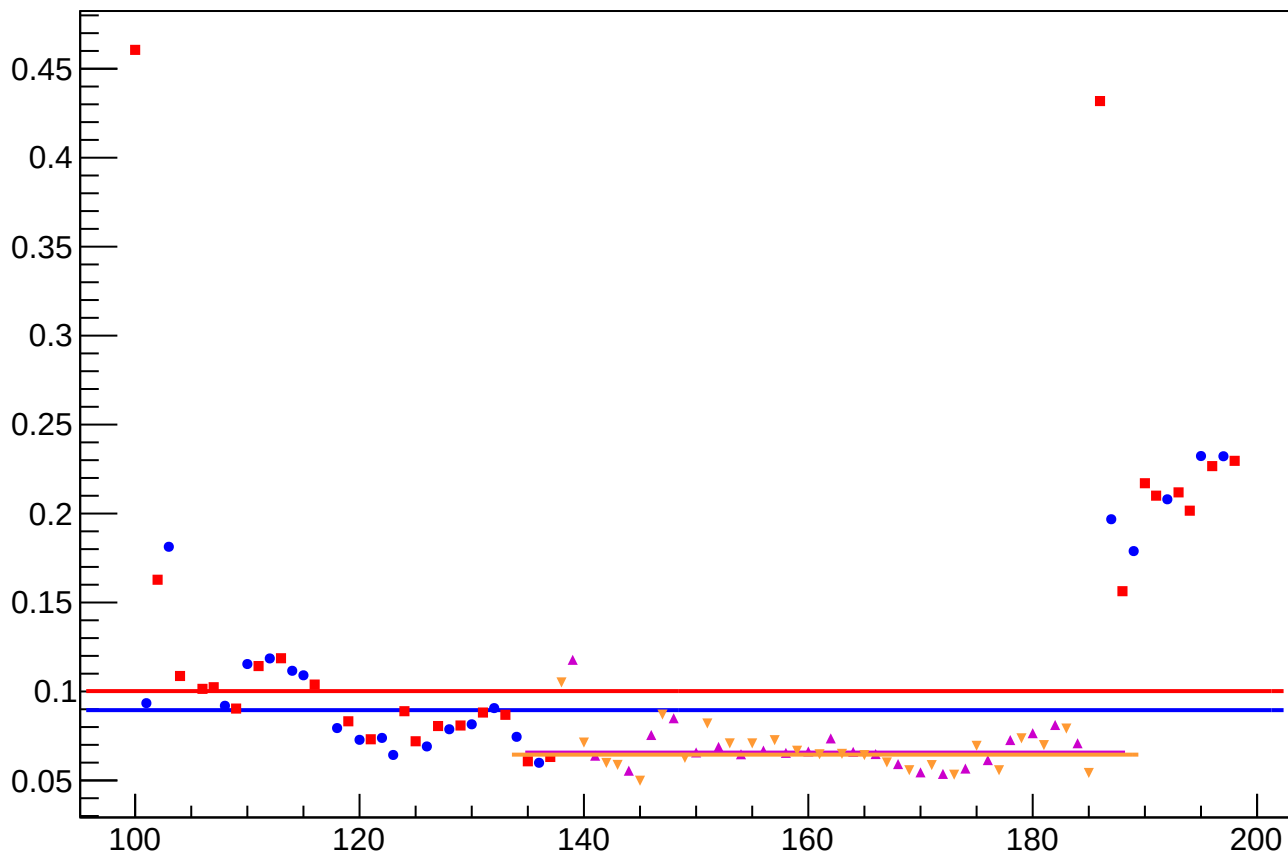
yield_sam4_mean vs Slug



Right In: 14.506 ± 0.000 χ^2/NDF : 1496545067.4/21
 Left Out: 15.521 ± 0.000 χ^2/NDF : 2591377740.5/24
 Right Out: 14.703 ± 0.000 χ^2/NDF : 1936225080.0/26
 Left In: 15.595 ± 0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.320 ± 0.000 χ^2/NDF : 4852497594.3/46
 All: 15.362 ± 0.000 χ^2/NDF : 9291125422.1/50
 - sign 15.407 ± 0.000 χ^2/NDF : 4421490159.4/49

yield_sam4_rms vs Slug



Right In: 0.090 ± 0.000 χ^2/NDF : 2957608.5/21

Left Out: 0.064 ± 0.000 χ^2/NDF : 761552.3/24

Right Out: 0.100 ± 0.000 χ^2/NDF : 3854398.9/26

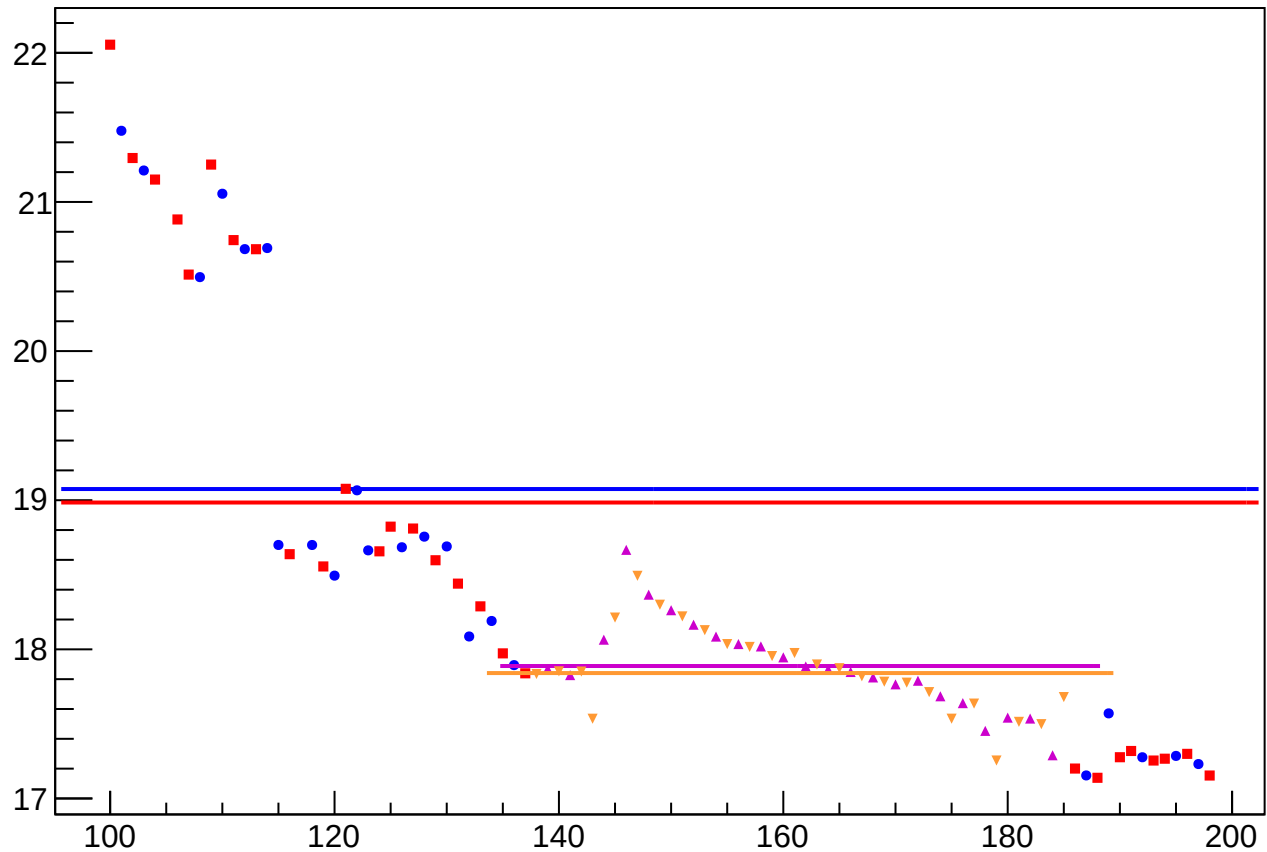
Left In: 0.066 ± 0.000 χ^2/NDF : 714703.1/22

+ sign 0.069 ± 0.000 χ^2/NDF : 4646831.0/46

All: 0.071 ± 0.000 χ^2/NDF : 10999374.9/96

- sign 0.073 ± 0.000 χ^2/NDF : 6297949.6/49

yield_sam5_mean vs Slug



Right In: 19.075+/-0.000 χ^2/NDF : 21128760545.5/21

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 18.985+/-0.000 χ^2/NDF : 26047569783.3/26

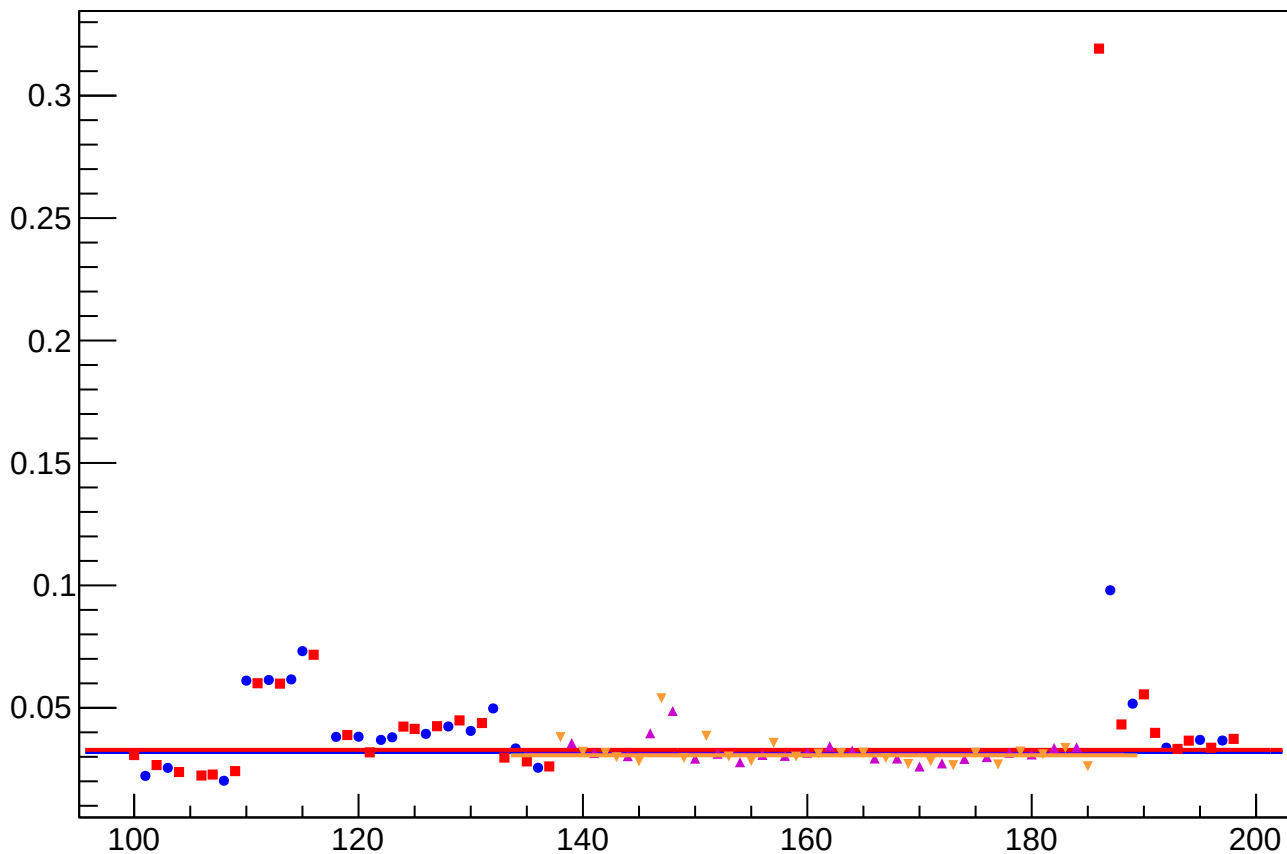
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.217+/-0.000 χ^2/NDF : 31051936904.4/46

All: 18.246+/-0.000 χ^2/NDF : 65728736395.0

- sign 18.276+/-0.000 χ^2/NDF : 34629679452.2/49

yield_sam5_rms vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 1659053.5/21

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 2081102.5/26

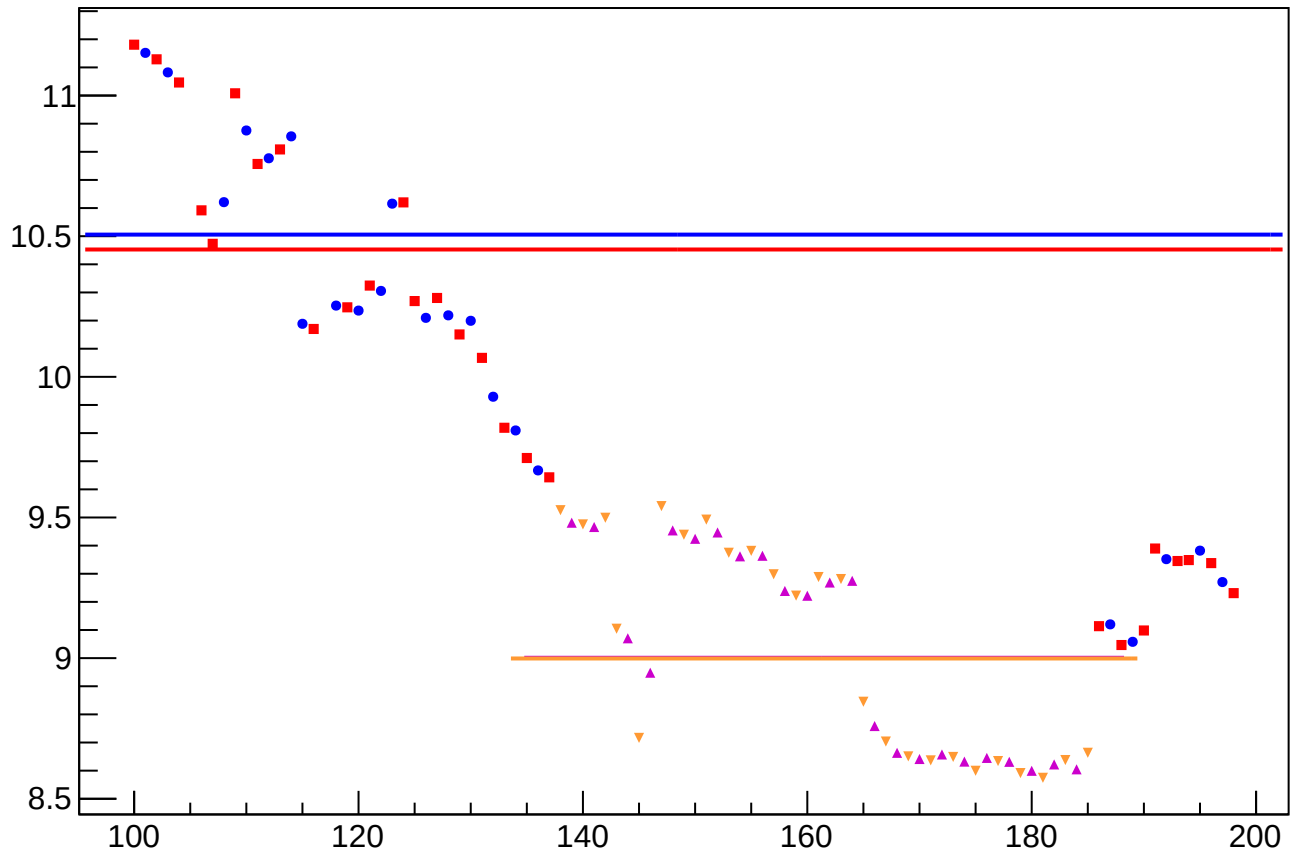
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2270169.3/46

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 4859789.1/96

- sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2580906.3/49

yield_sam6_mean vs Slug



Right In: 10.506 $\pm$ 0.000 χ^2 /NDF: 10068109361.1/21

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.453 $\pm$ 0.000 χ^2 /NDF: 10027402466.1/26

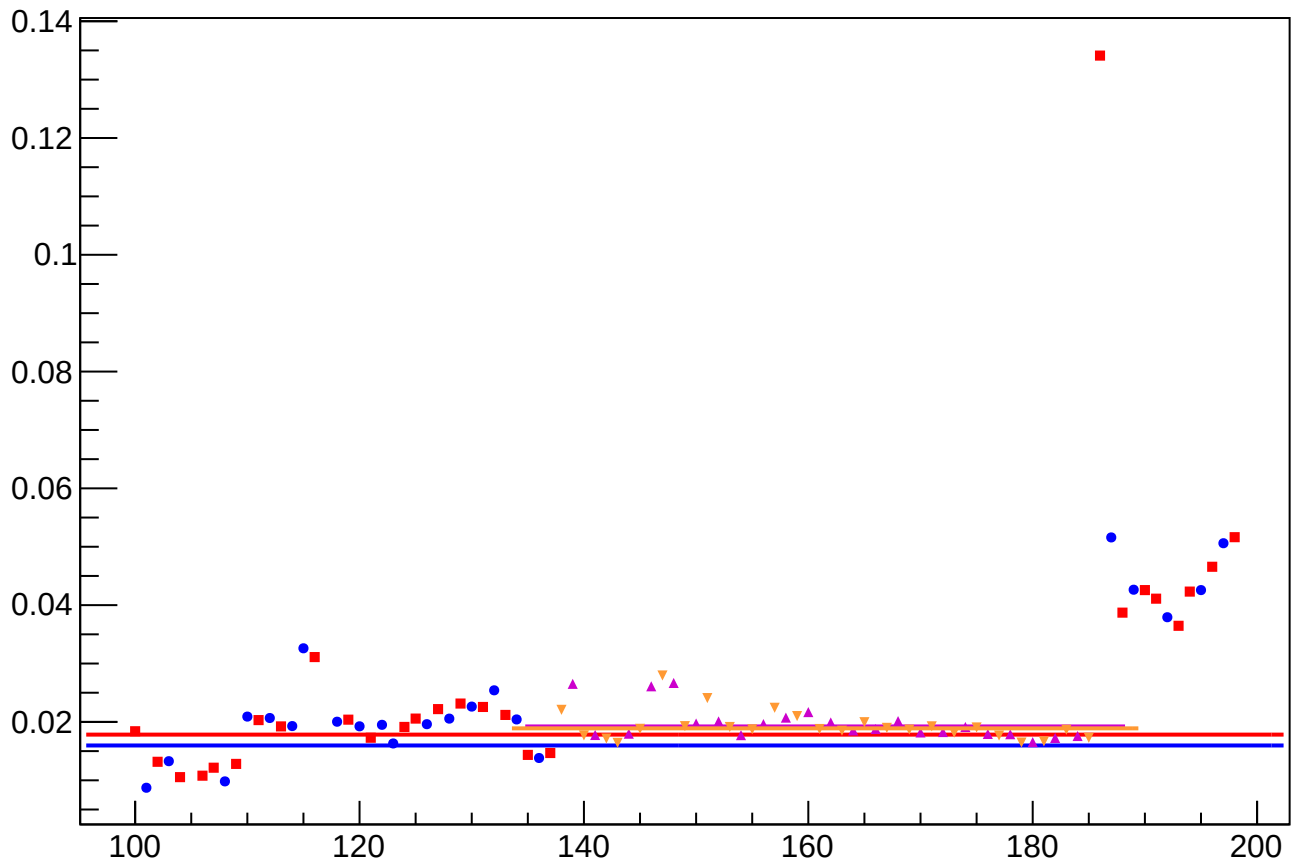
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.557 $\pm$ 0.000 χ^2 /NDF: 56005397987.7/46

All: 9.565 $\pm$ 0.000 χ^2 /NDF: 106888926366.1

- sign 9.573 $\pm$ 0.000 χ^2 /NDF: 50874480257.4/49

yield_sam6_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 3938999.1/21

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.018+/-0.000 χ^2/NDF : 4963021.4/26

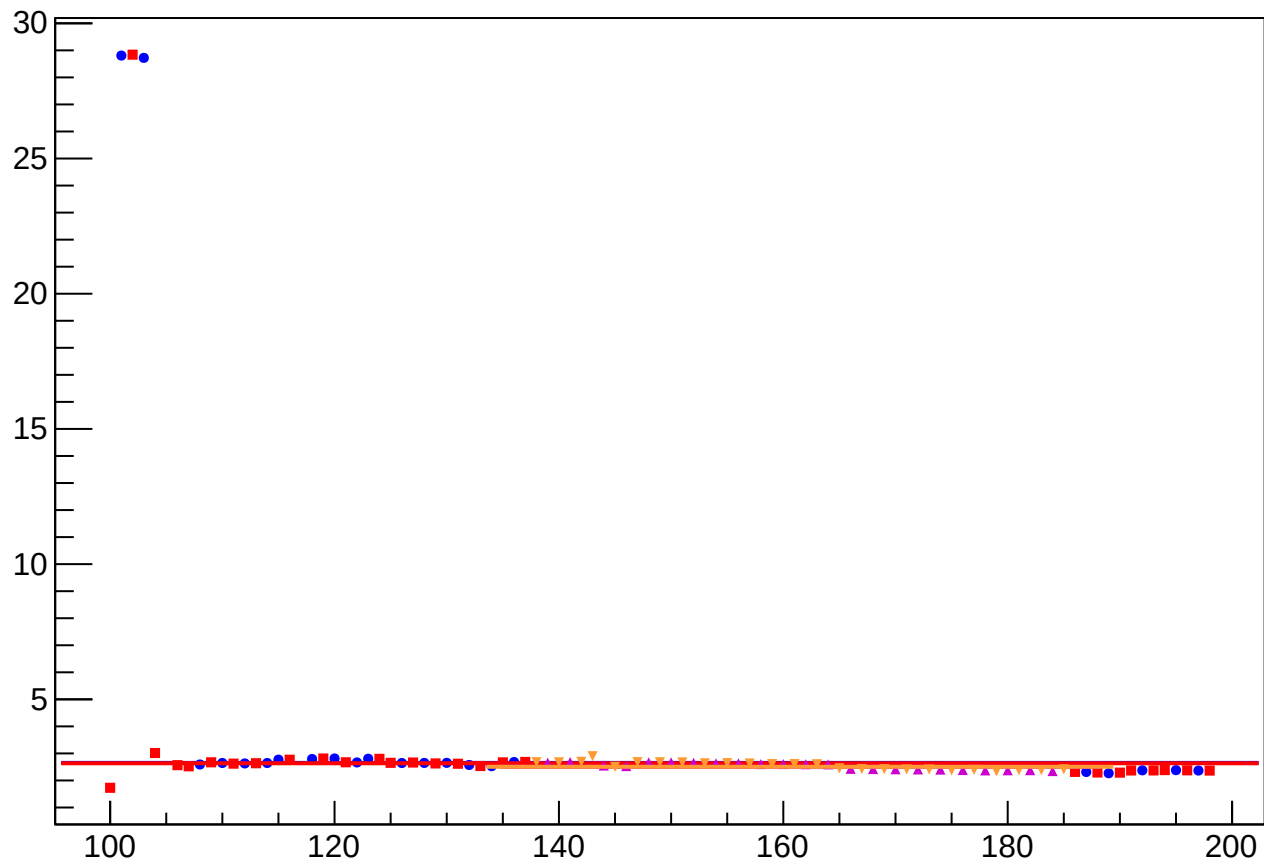
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.018+/-0.000 χ^2/NDF : 4666558.7/46

All: 0.018+/-0.000 χ^2/NDF : 10231555.1/96

- sign 0.019+/-0.000 χ^2/NDF : 5510975.5/49

yield_sam7_mean vs Slug



Right In: 2.649+/-0.000 χ^2/NDF : 169533446806.5/21

Left Out: 2.507+/-0.000 χ^2/NDF : 64277969186.7/24

Right Out: 2.636+/-0.000 χ^2/NDF : 81876297714.9/26

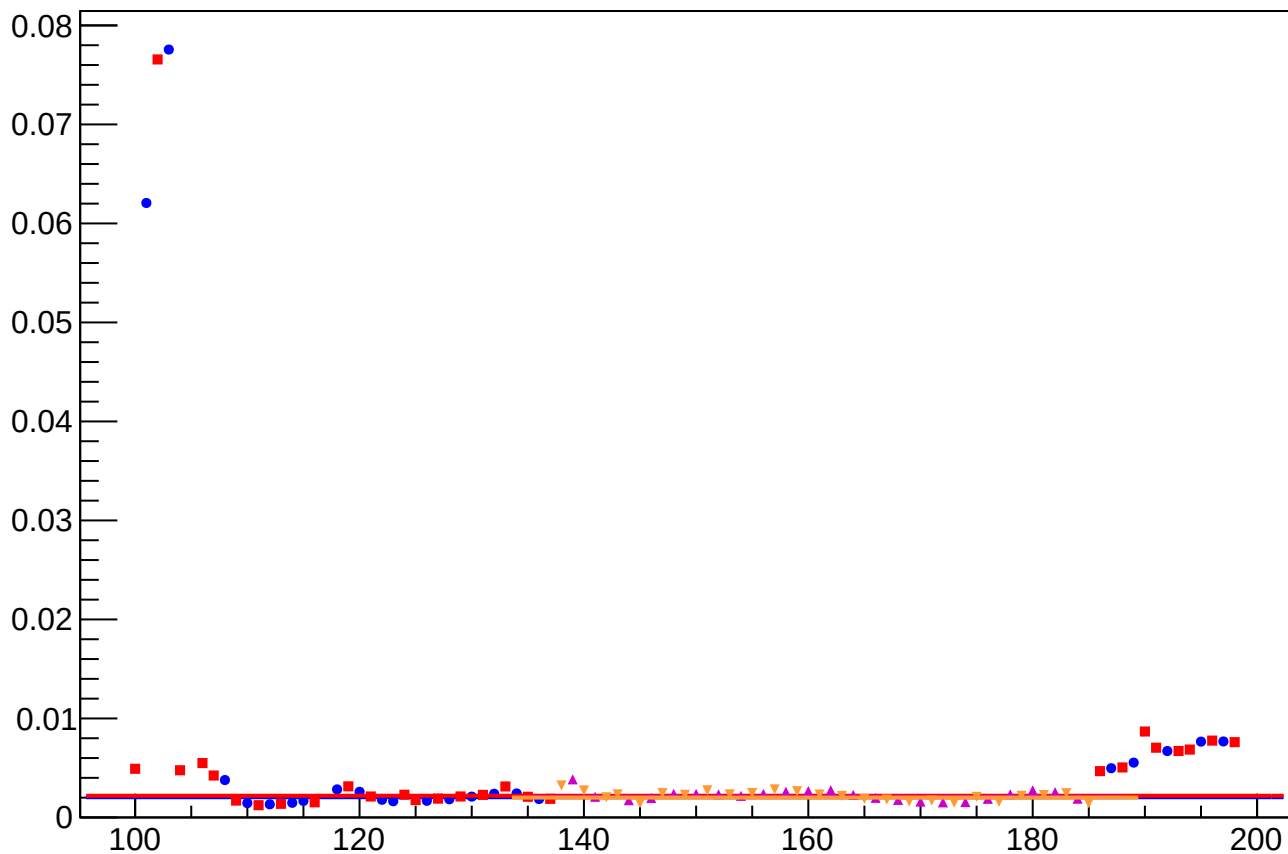
Left In: 2.505+/-0.000 χ^2/NDF : 42893630742.5/22

+ sign 2.546+/-0.000 χ^2/NDF : 254505561566.3/46

All: 2.546+/-0.000 χ^2/NDF : 397089034151.1

- sign 2.547+/-0.000 χ^2/NDF : 142583285594.5/49

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 5748335.1/21

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 7028230.7/26

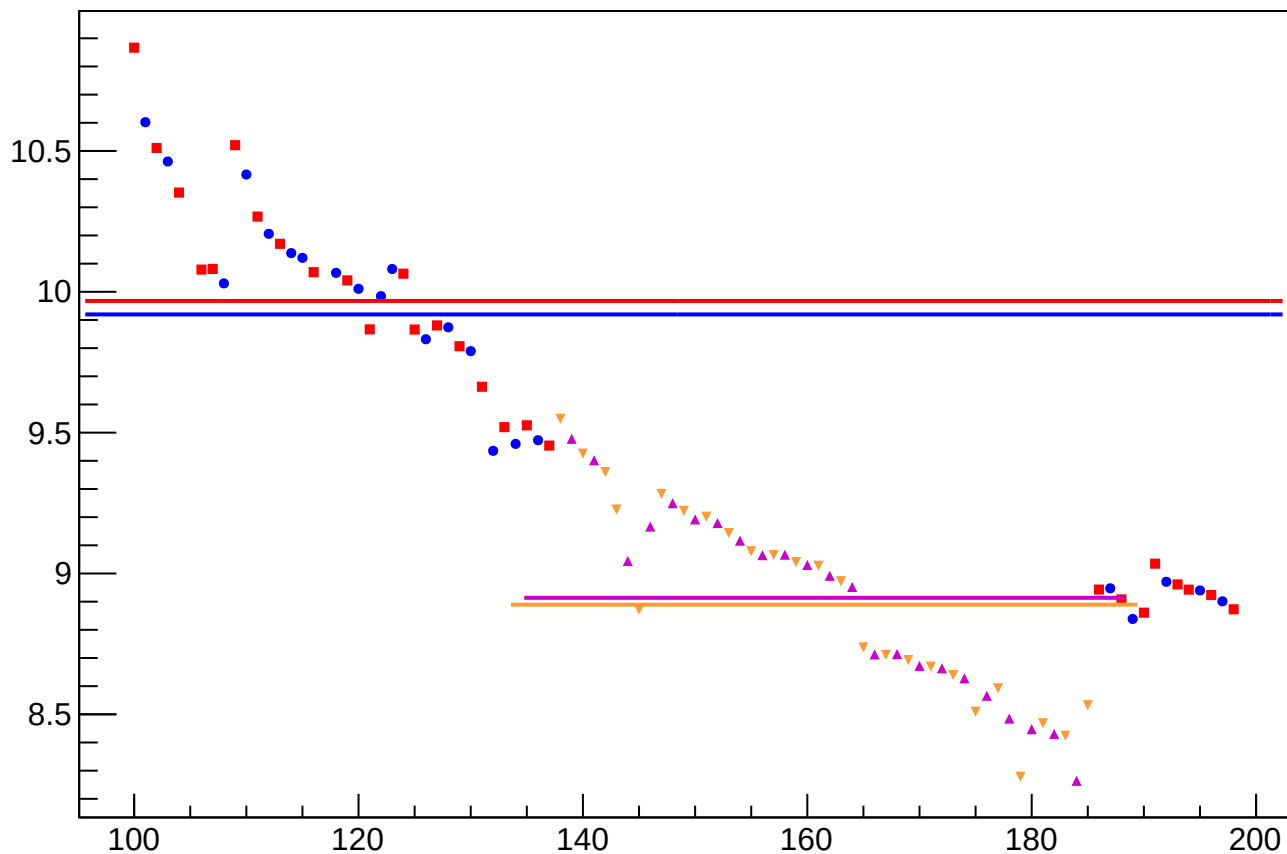
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7220118.7/46

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 15625591.5/96

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8369673.4/49

yield_sam8_mean vs Slug



Right In: 9.920 $\pm$ 0.000 χ^2/NDF : 32228981536.3/21

Left Out: 8.889 $\pm$ 0.000 χ^2/NDF : 34704694045.9/24

Right Out: 9.968 $\pm$ 0.000 χ^2/NDF : 39824335873.2/26

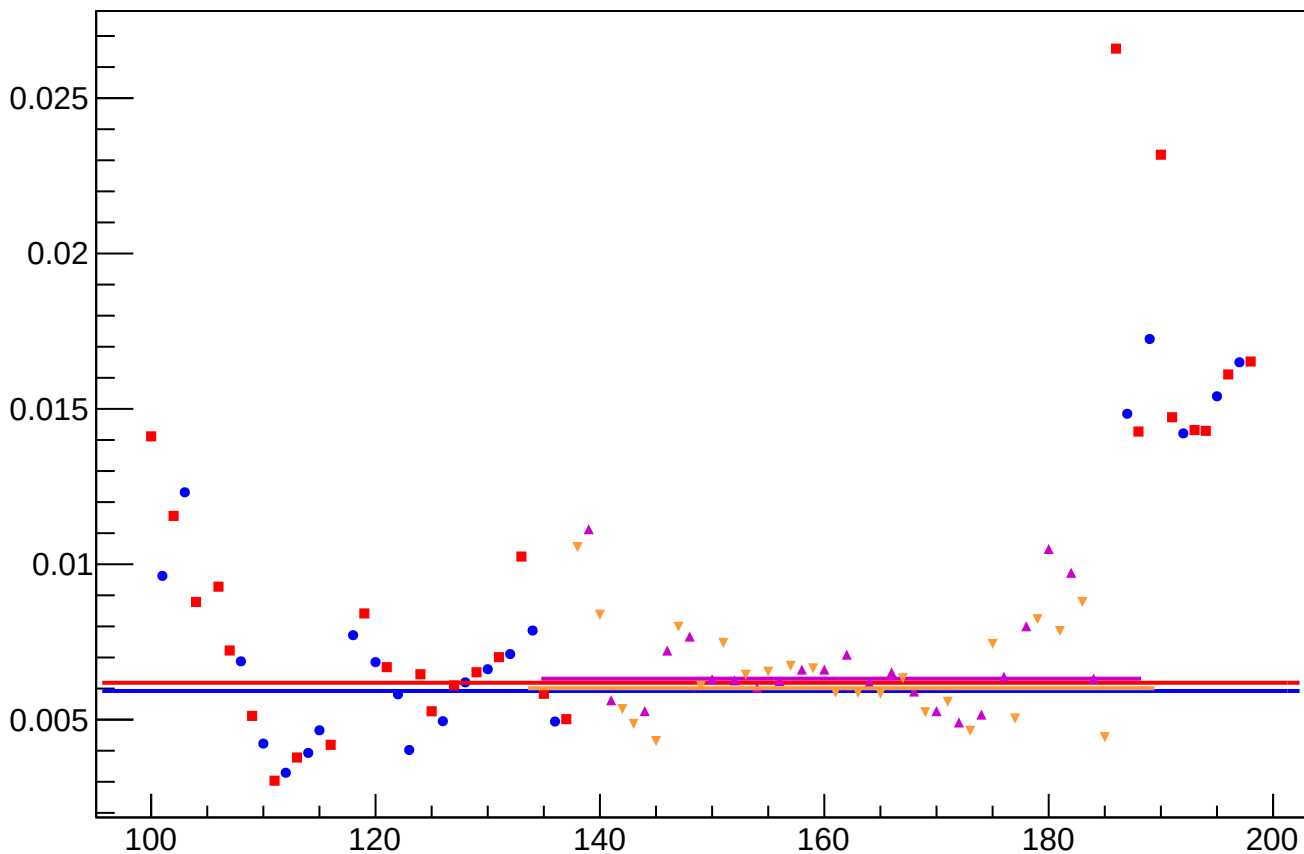
Left In: 8.914 $\pm$ 0.000 χ^2/NDF : 28497227562.7/22

+ sign 9.224 $\pm$ 0.000 χ^2/NDF : 205801181355.6/46

All: 9.267 $\pm$ 0.000 χ^2/NDF : 422522158901.7

- sign 9.312 $\pm$ 0.000 χ^2/NDF : 214488386482.7/49

yield_sam8_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 3693758.3/21

Left Out: 0.006+/-0.000 χ^2/NDF :1312525.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 5739915.5/26

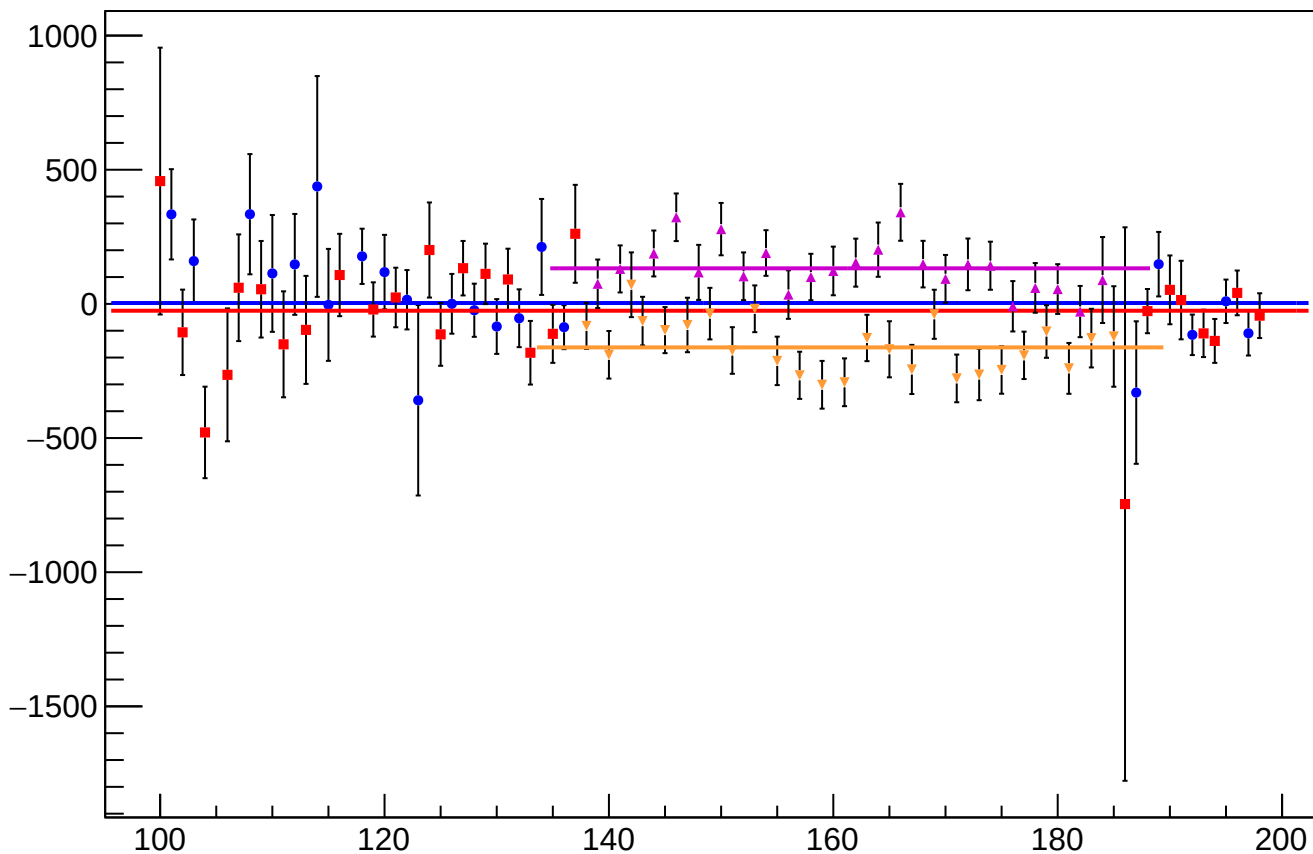
Left In: 0.006+/-0.000 χ^2/NDF :1087051.3/22

+ sign 0.006+/-0.000 χ^2/NDF : 5008260.9/46

All: 0.006+/-0.000 χ^2/NDF : 11887500.6/96

- sign 0.006+/-0.000 χ^2/NDF : 6831524.1/49

reg_asym_sam1_mean vs Slug



Right In: 3.264 ± 25.710 χ^2/NDF : 24.6/21

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -25.478 ± 23.662 χ^2/NDF : 27.5/26

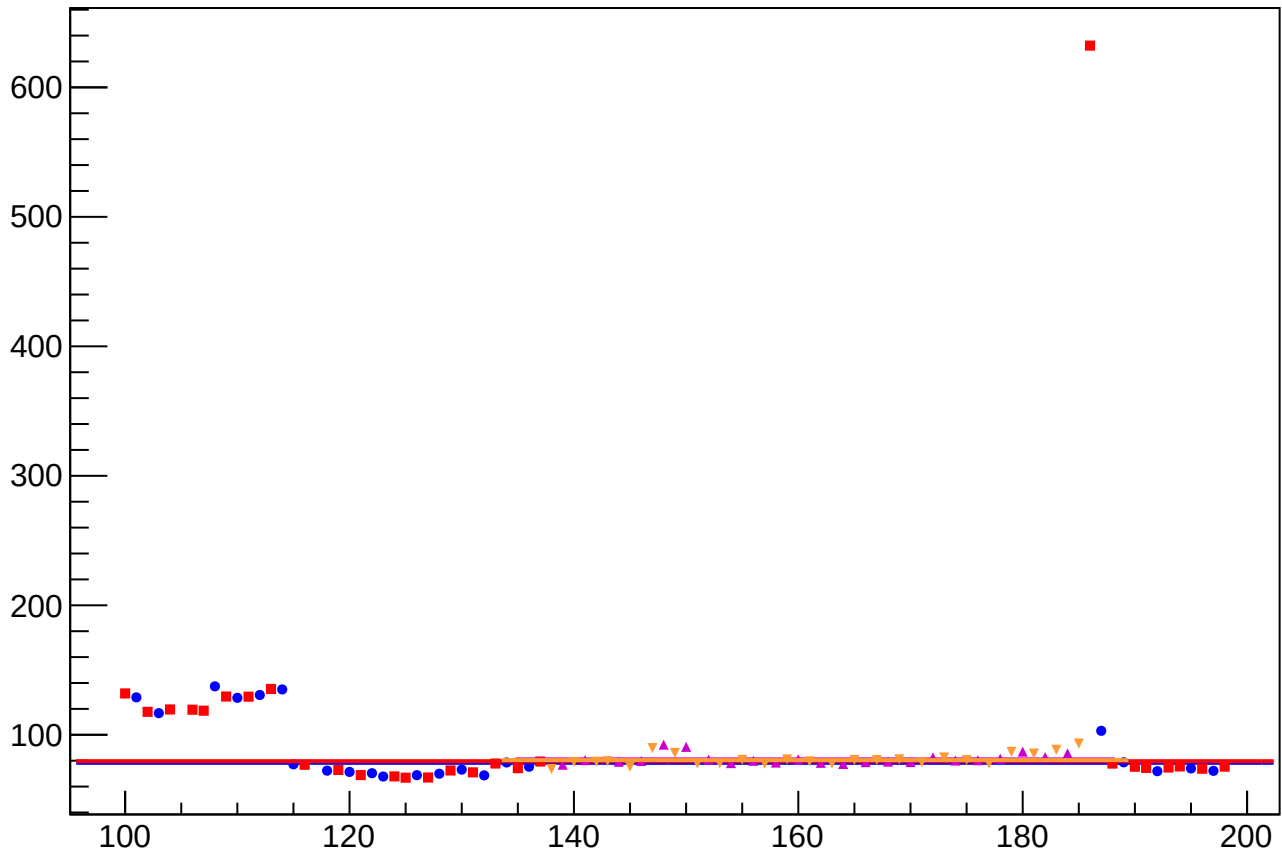
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -104.748 ± 15.147 χ^2/NDF : 77.3/46

All: -17.043 ± 10.659 χ^2/NDF : 218.7/96

- sign 69.016 ± 15.004 χ^2/NDF : 74.9/49

reg_asym_sam1_rms vs Slug



Right In: 78.355+/-0.018 χ^2/NDF : 867961.5/21

Left Out: 80.459+/-0.013 χ^2/NDF : 89942.2/24

Right Out: 79.611+/-0.017 χ^2/NDF : 1531893.3/26

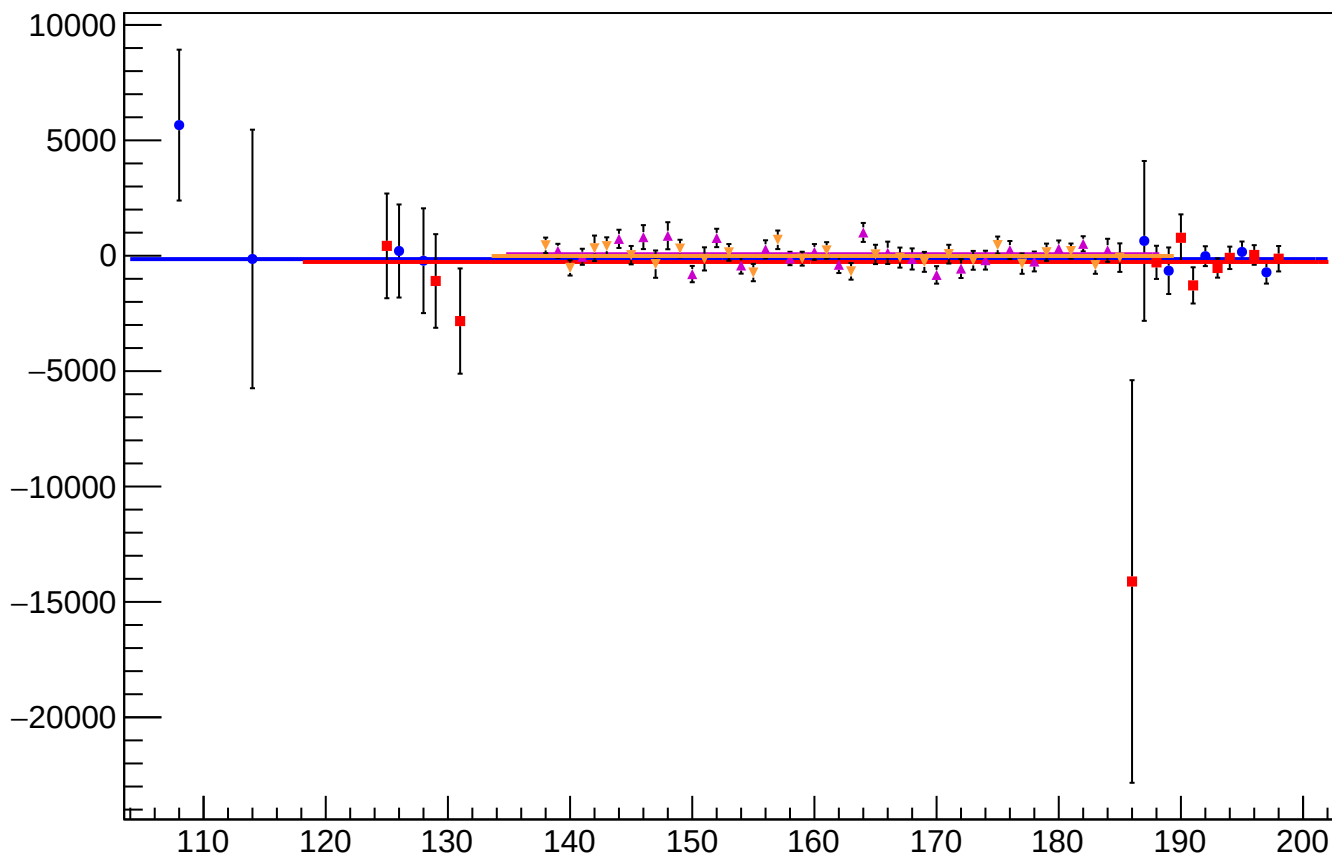
Left In: 81.014+/-0.014 χ^2/NDF : 72250.2/22

+ sign 79.728+/-0.011 χ^2/NDF : 966649.9/46

All: 80.092+/-0.008 χ^2/NDF : 2577288.0/96

- sign 80.450+/-0.011 χ^2/NDF : 1608349.7/49

asym_sam1_correction_mean vs Slug



Right In: -145.943 ± 248.784 χ^2/NDF : 5.4/8

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -269.598 ± 204.362 χ^2/NDF : 7.9/10

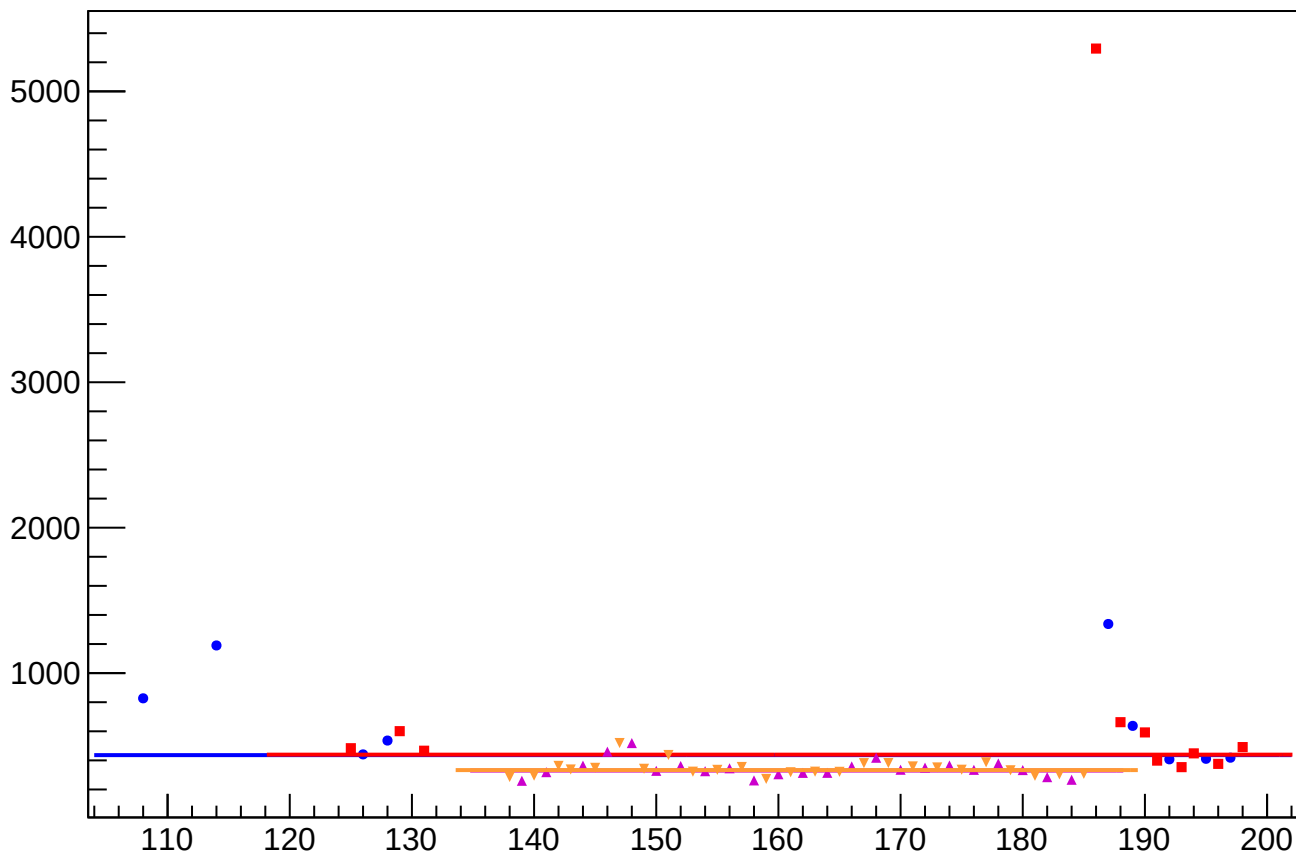
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -22.720 ± 74.767 χ^2/NDF : 28.2/33

All: -1.223 ± 52.785 χ^2/NDF : 76.0/67

- sign 20.139 ± 74.533 χ^2/NDF : 47.6/33

asym_sam1_correction_rms vs Slug



Right In: 436.192 $\pm$ 0.176 χ^2 /NDF: 301708.6/8

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 439.389 $\pm$ 0.145 χ^2 /NDF: 1024322.8/10

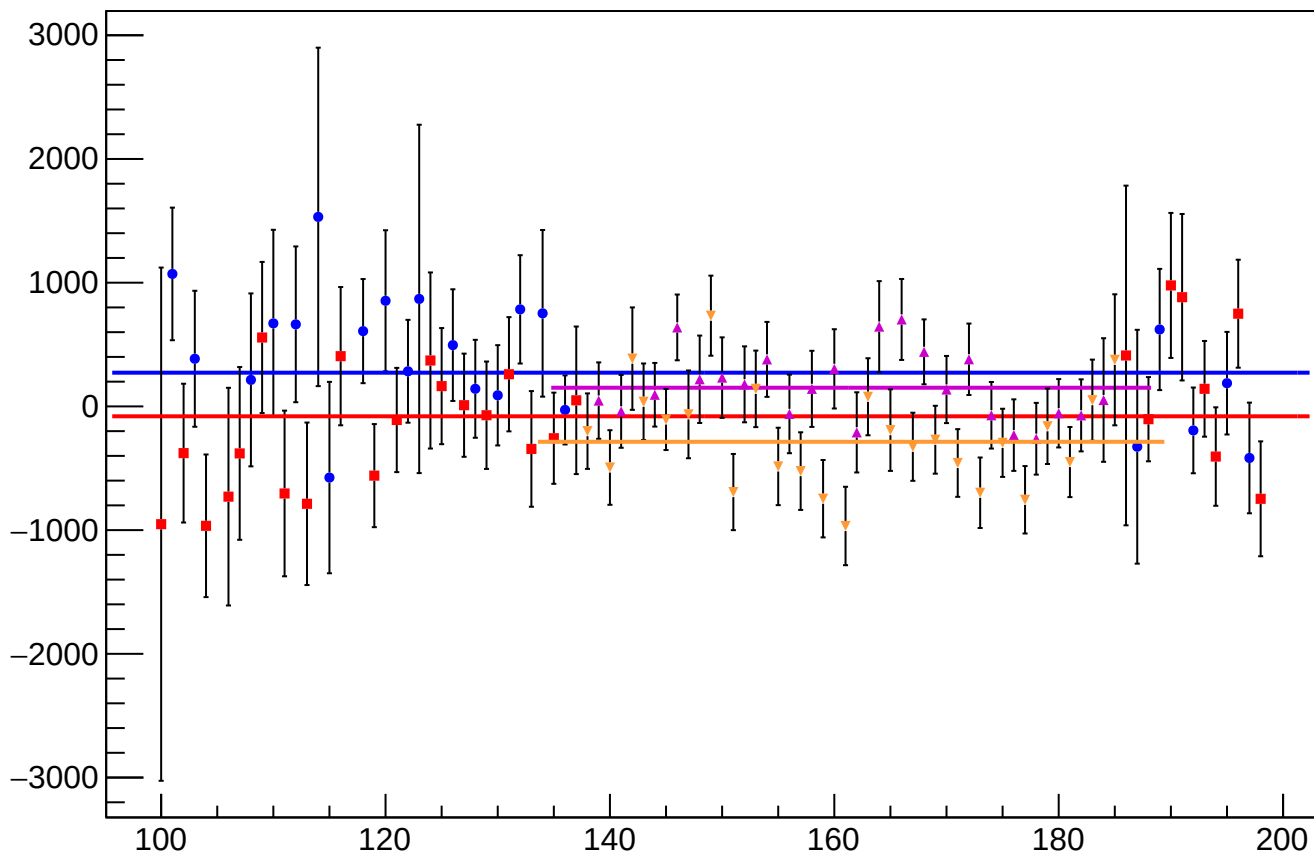
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 342.532 $\pm$ 0.053 χ^2 /NDF: 1205432.0/33

All: 343.538 $\pm$ 0.037 χ^2 /NDF: 3523381.4/67

- sign 344.538 $\pm$ 0.053 χ^2 /NDF: 2317227.8/33

reg_asym_sam2_mean vs Slug



Right In: 272.496 $\pm$ 104.029 χ^2 /NDF: 15.6/21

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: -80.026 $\pm$ 97.235 χ^2 /NDF: 22.7/26

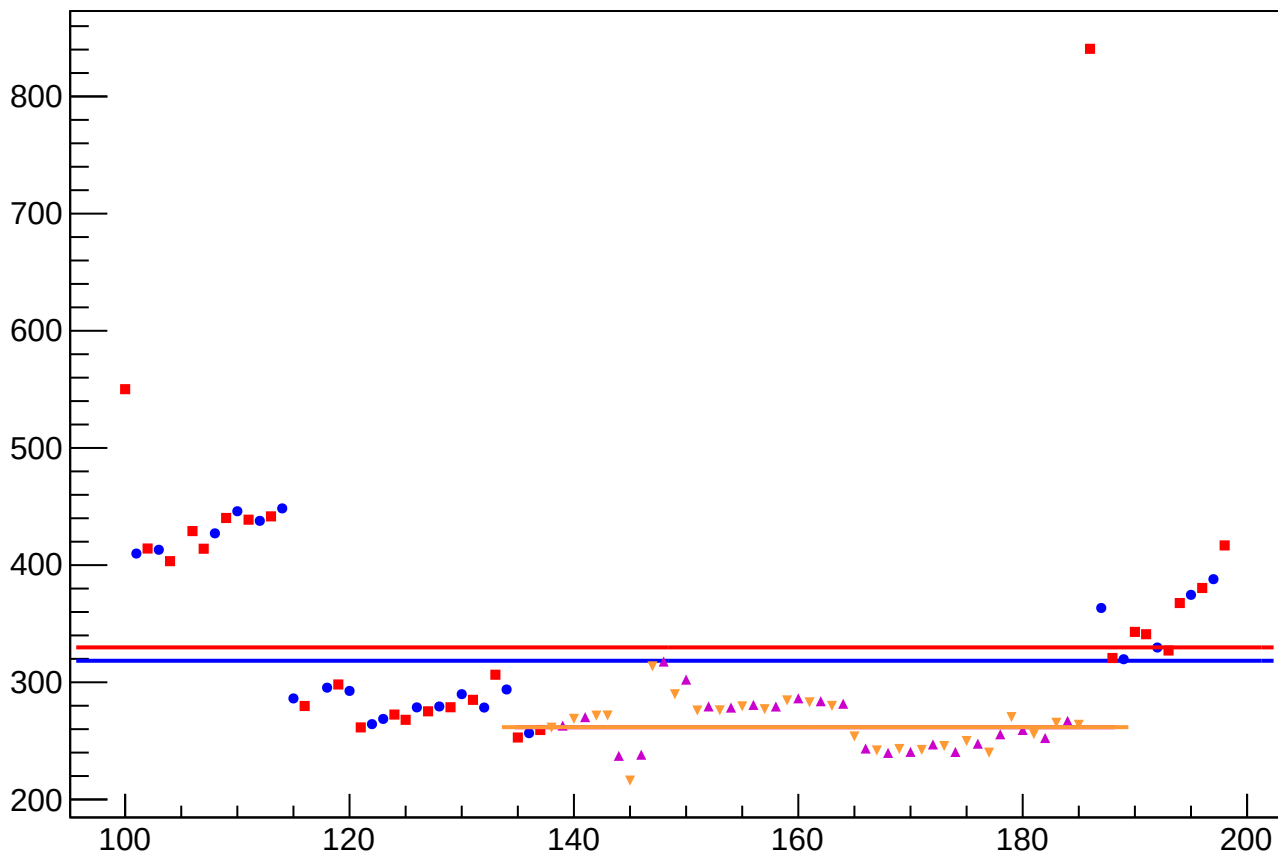
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -142.796 $\pm$ 52.681 χ^2 /NDF: 73.6/46

All: -30.119 $\pm$ 37.281 χ^2 /NDF: 128.1/96

- sign 82.913 $\pm$ 52.764 χ^2 /NDF: 45.4/49

reg_asym_sam2_rms vs Slug



Right In: 318.381+/-0.074 χ^2/NDF : 617094.0/21

Left Out: 261.722+/-0.043 χ^2/NDF :233222.6/24

Right Out: 329.790+/-0.069 χ^2/NDF : 1055292.8/26

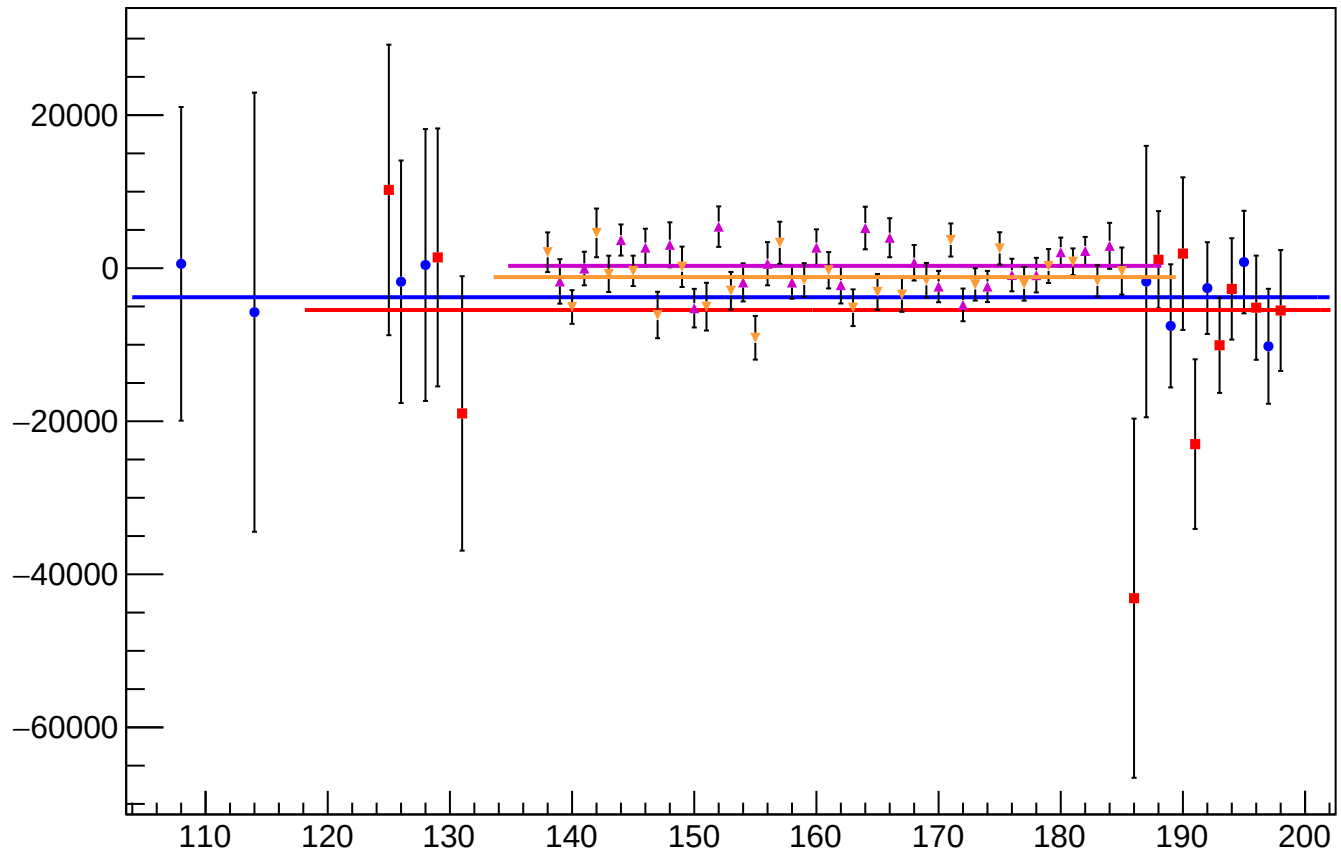
Left In: 261.637+/-0.044 χ^2/NDF :228241.3/22

+ sign 276.252+/-0.037 χ^2/NDF : 1291455.8/46

All: 278.974+/-0.026 χ^2/NDF : 3278915.2/96

- sign 281.705+/-0.037 χ^2/NDF : 1976760.4/49

asym_sam2_correction_mean vs Slug



Right In: -3793.426 ± 3207.249 χ^2/NDF : 1.6/8

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -5460.671 ± 2668.968 χ^2/NDF : 8.8/10

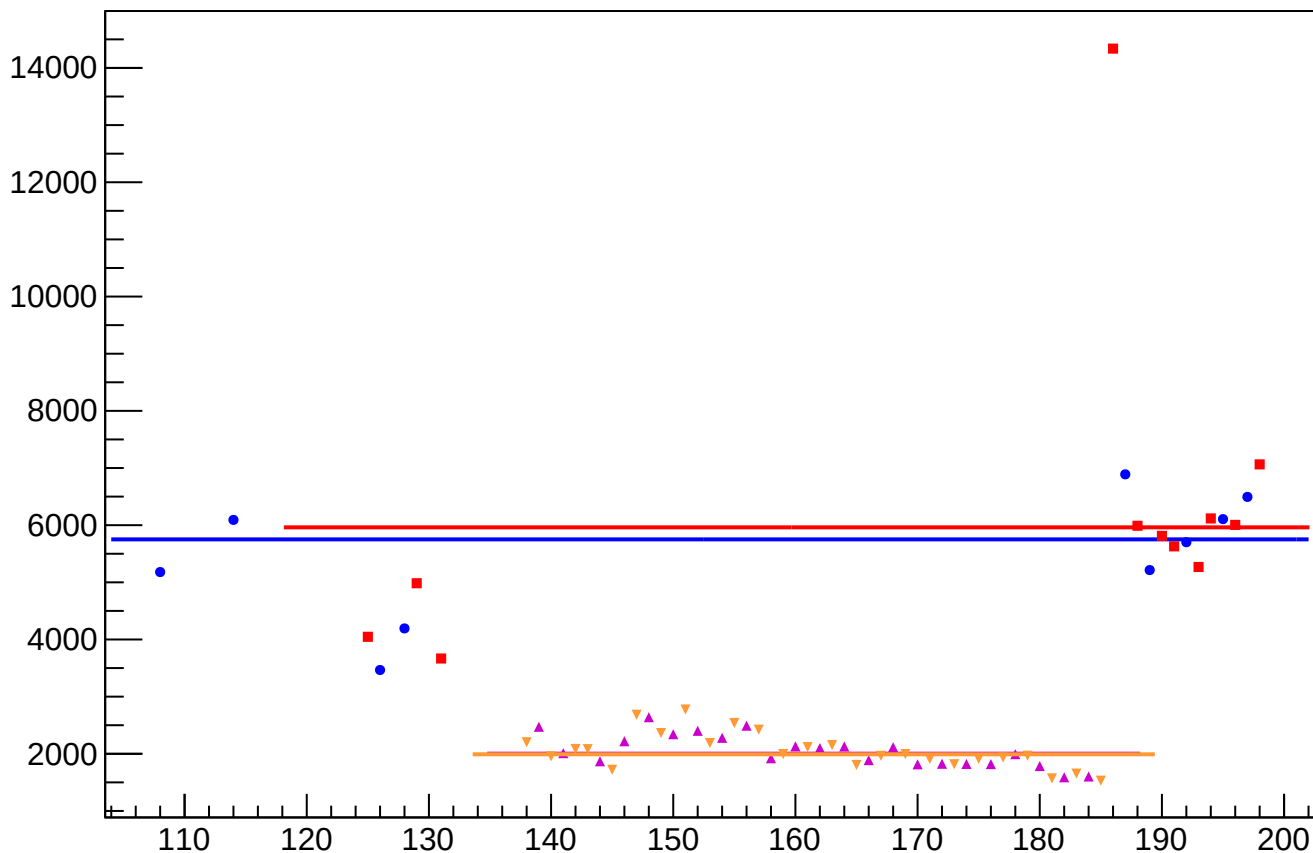
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1216.554 ± 464.100 χ^2/NDF : 41.0/33

All: -564.746 ± 332.303 χ^2/NDF : 93.8/67

- sign 120.979 ± 476.022 χ^2/NDF : 48.7/33

asym_sam2_correction_rms vs Slug



Right In: 5751.806+/-2.268 $\chi^2/\text{NDF}: 101292.7/8$

Left Out: 1991.105+/-0.332 $\chi^2/\text{NDF}: 726310.6/24$

Right Out: 5962.138+/-1.887 $\chi^2/\text{NDF}: 381845.2/10$

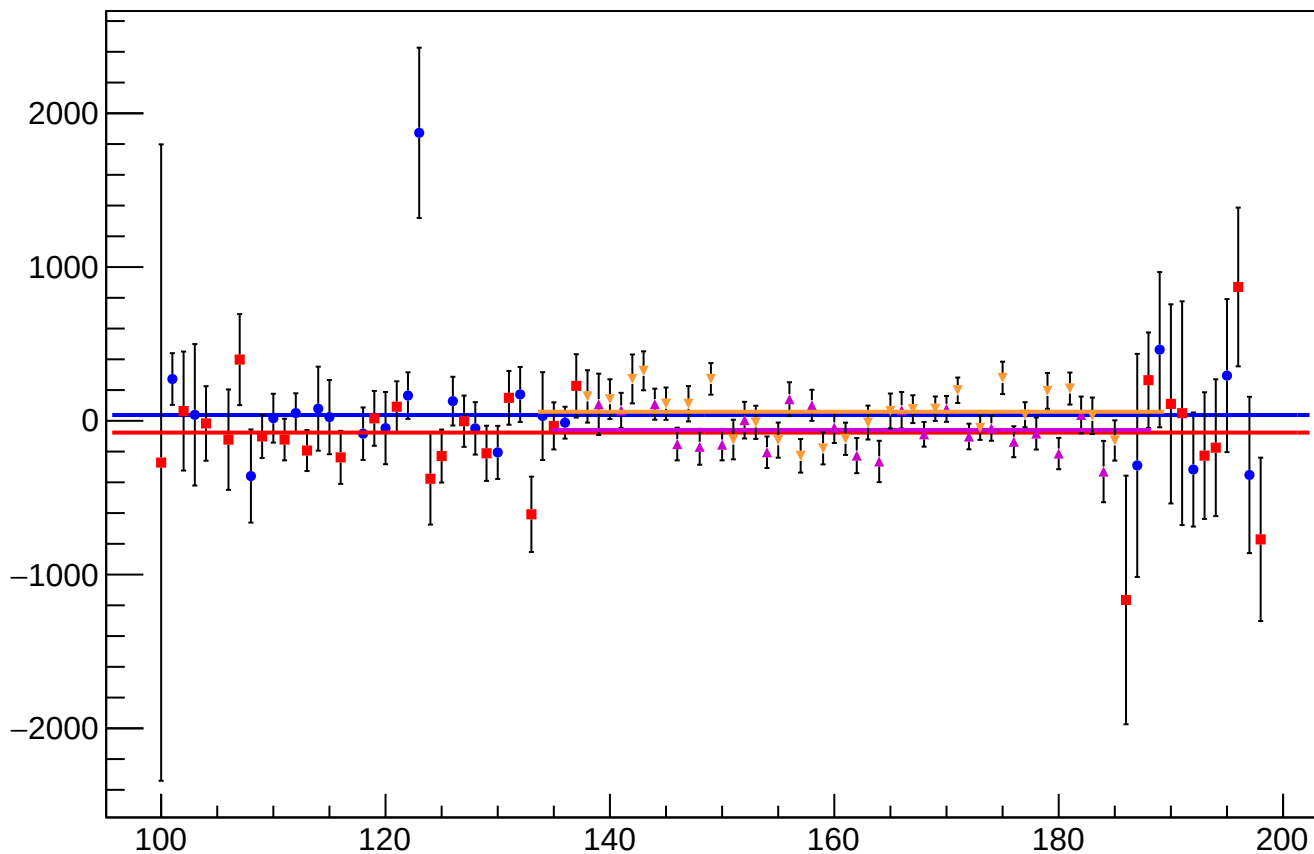
Left In: 2002.154+/-0.342 $\chi^2/\text{NDF}: 585947.4/22$

+ sign 2069.850+/-0.328 $\chi^2/\text{NDF}: 3519833.0/33$

All: 2098.247+/-0.235 $\chi^2/\text{NDF}: 8765747.1/67$

- sign 2128.122+/-0.337 $\chi^2/\text{NDF}: 5230549.1/33$

reg_asym_sam3_mean vs Slug



Right In: 37.637 ± 42.786 χ^2/NDF : 22.1/21

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -76.565 ± 41.887 χ^2/NDF : 25.5/26

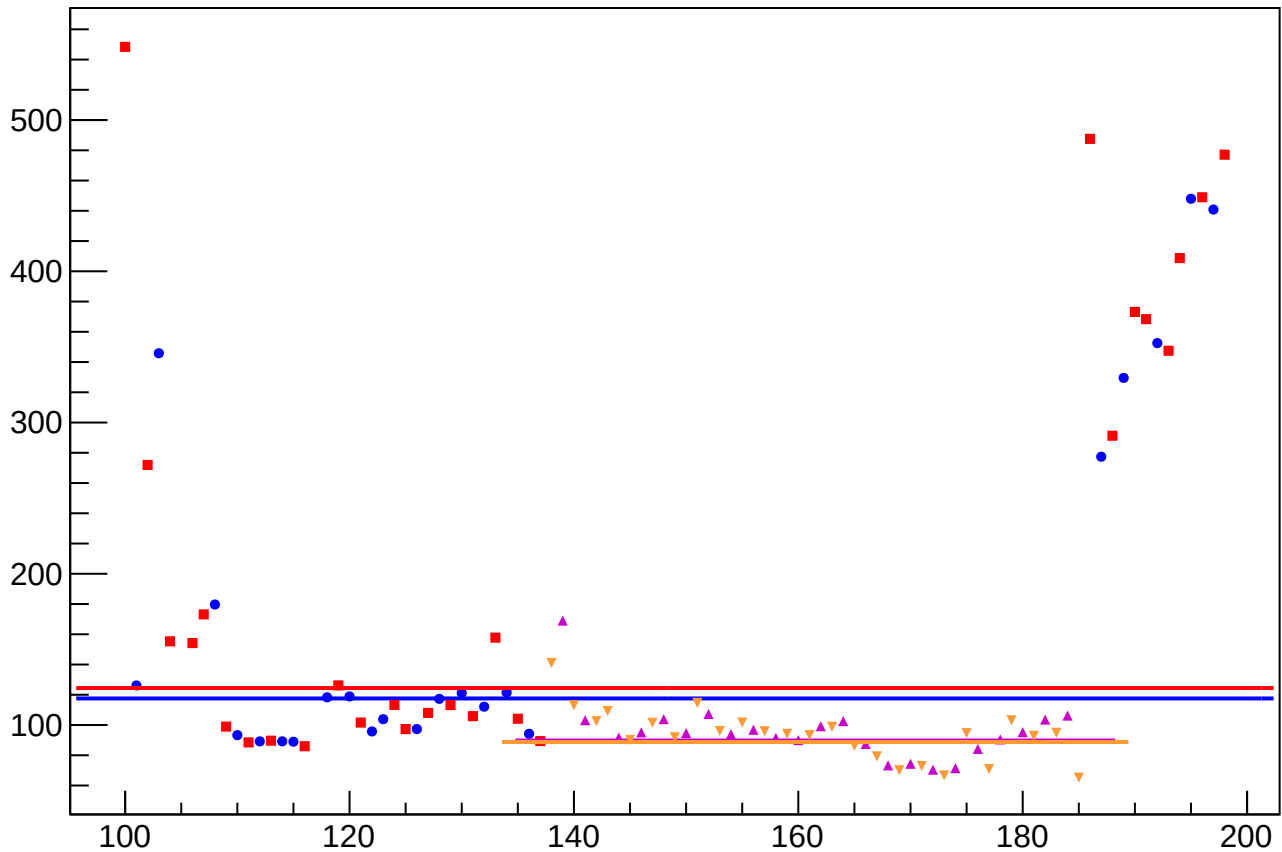
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 54.795 ± 18.951 χ^2/NDF : 69.2/46

All: -2.637 ± 13.564 χ^2/NDF : 143.0/96

- sign -62.961 ± 19.422 χ^2/NDF : 55.0/49

reg_asym_sam3_rms vs Slug



Right In: 117.563 $\pm$ 0.030 χ^2 /NDF: 3897347.6/21

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 124.429 $\pm$ 0.030 χ^2 /NDF: 5766693.0/26

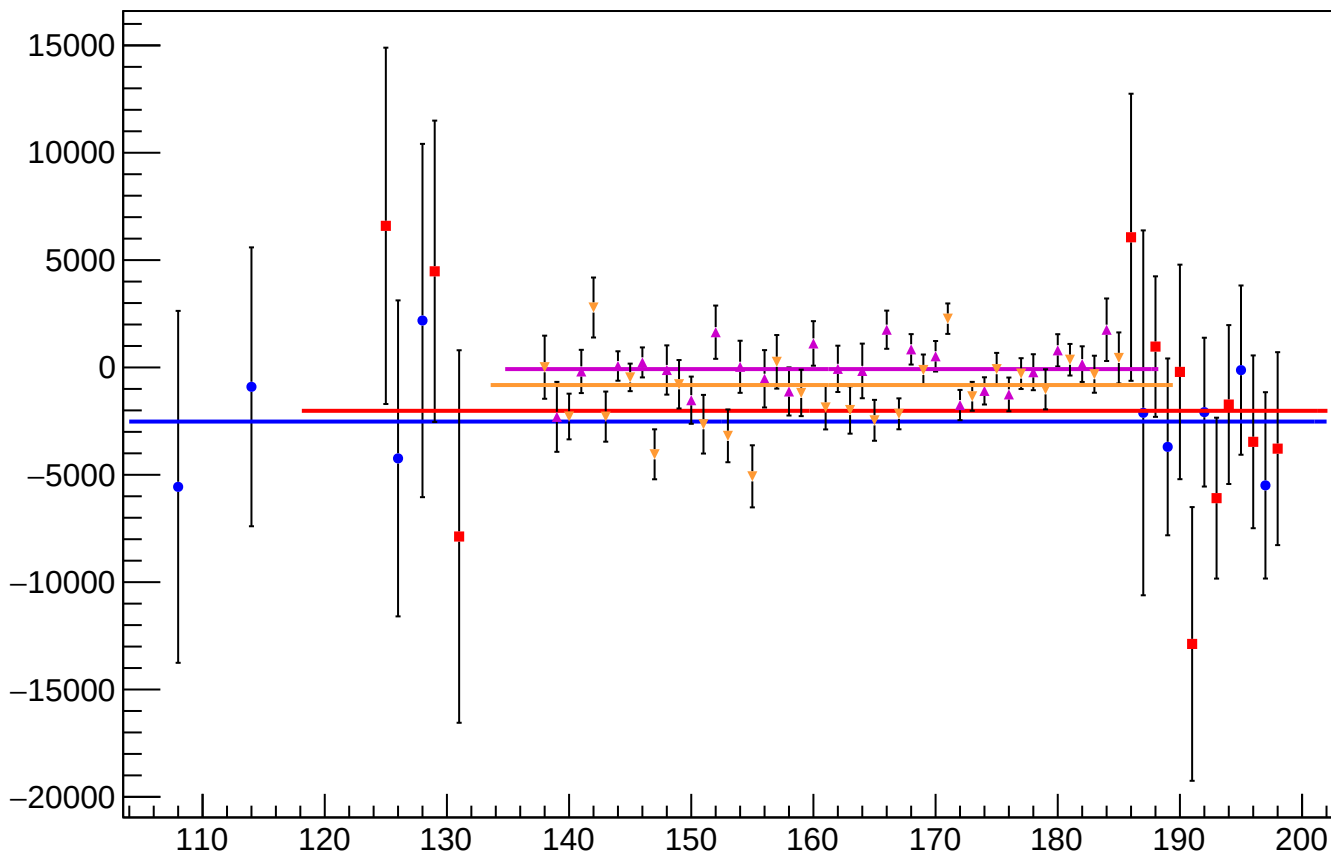
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 94.401 $\pm$ 0.013 χ^2 /NDF: 5705826.5/46

All: 95.775 $\pm$ 0.010 χ^2 /NDF: 13455056.6/96

- sign 97.218 $\pm$ 0.014 χ^2 /NDF: 7727673.5/49

asym_sam3_correction_mean vs Slug



Right In: -2520.100 $\pm$ 1701.557 χ^2 /NDF: 1.5/8

Left Out: -818.877 $\pm$ 184.464 χ^2 /NDF: 68.2/24

Right Out: -2019.804 $\pm$ 1437.365 χ^2 /NDF: 9.2/10

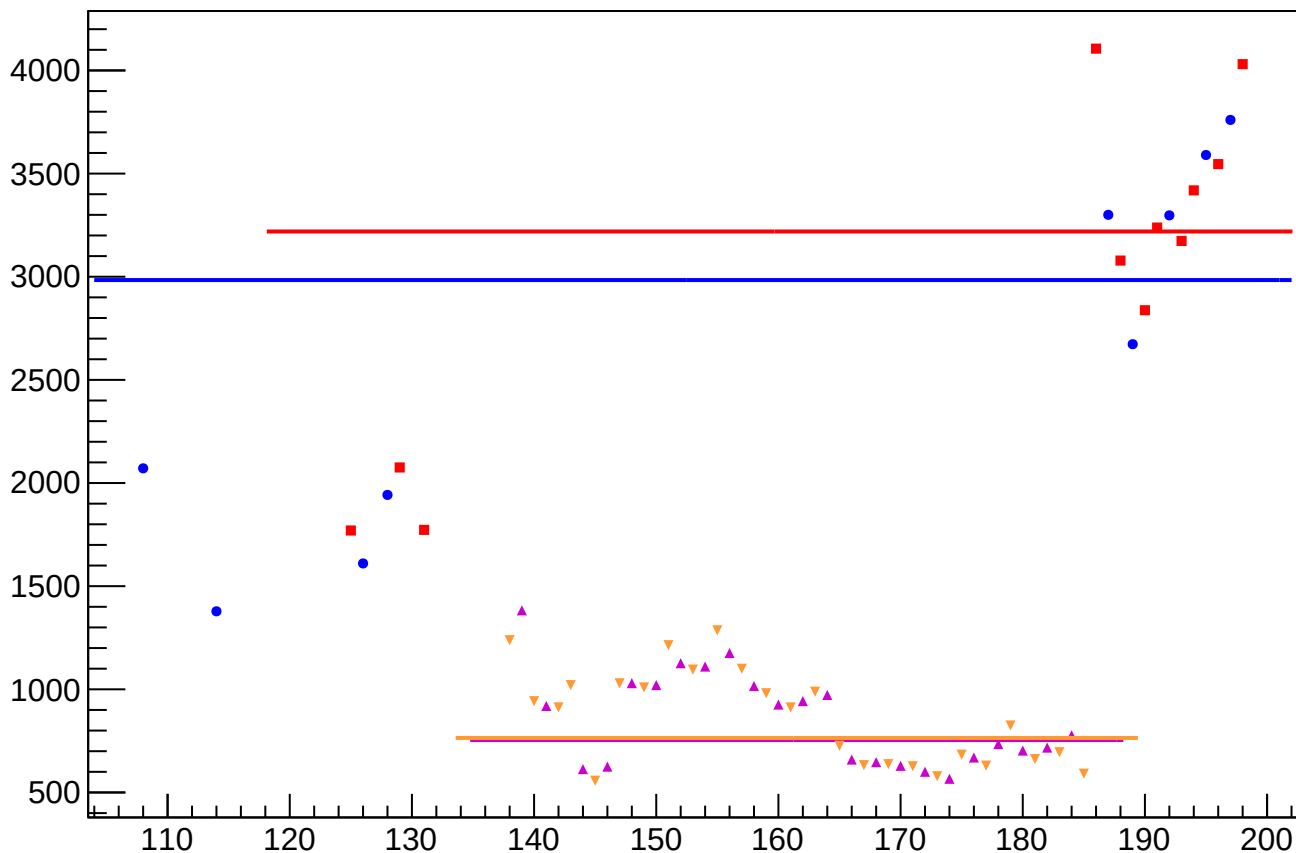
Left In: -76.204 $\pm$ 186.651 χ^2 /NDF: 28.3/22

+ sign -838.638 $\pm$ 183.389 χ^2 /NDF: 70.7/33

All: -476.919 $\pm$ 130.275 χ^2 /NDF: 117.8/67

- sign -108.435 $\pm$ 185.097 χ^2 /NDF: 39.3/33

asym_sam3_correction_rms vs Slug



Right In: 2983.906+/-1.203 χ^2/NDF : 390668.5/8

Left Out: 764.280+/-0.130 χ^2/NDF : 2315985.8/24

Right Out: 3219.379+/-1.016 χ^2/NDF : 304757.1/10

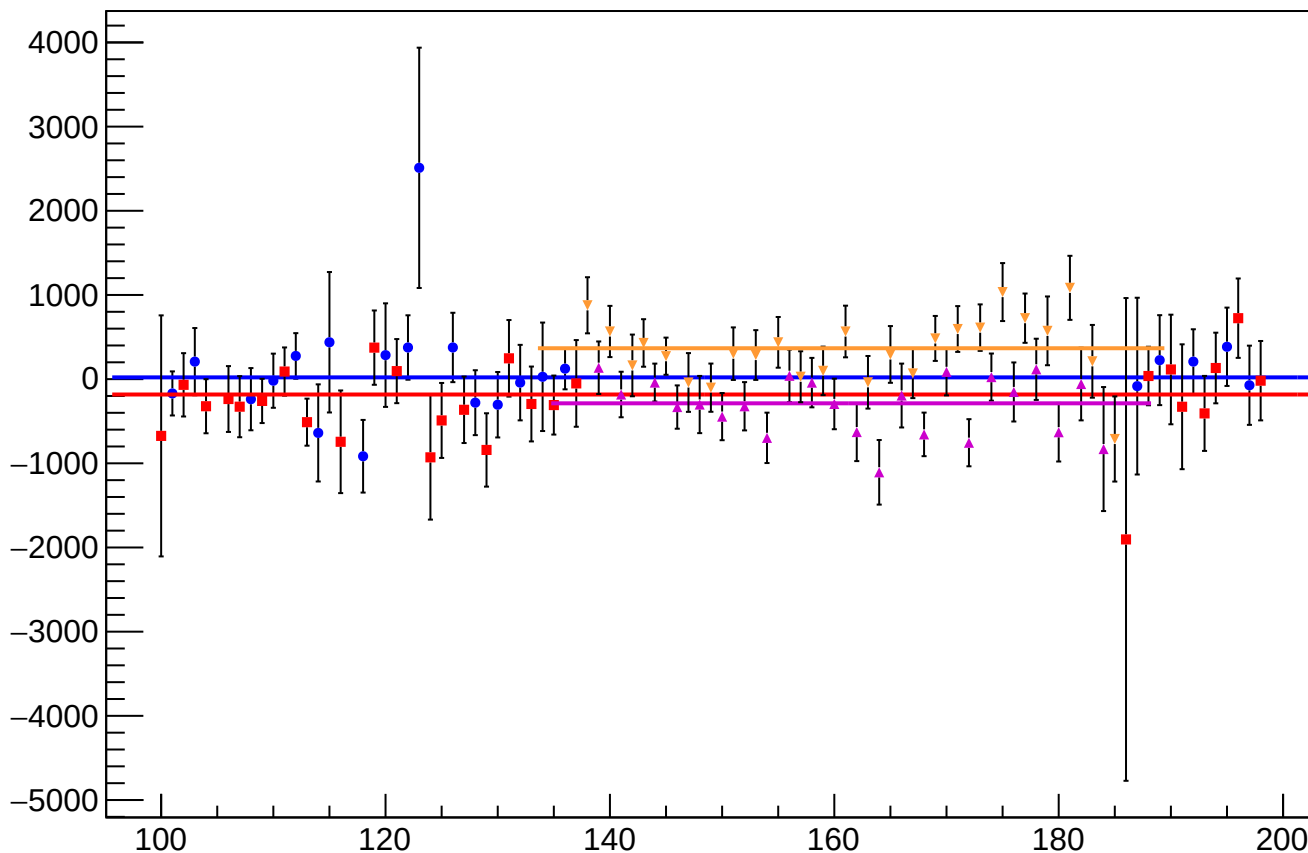
Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

+ sign 790.063+/-0.130 χ^2/NDF : 6070395.0/33

All: 792.464+/-0.092 χ^2/NDF : 14175407.3/67

- sign 794.910+/-0.131 χ^2/NDF : 8104320.3/33

reg_asym_sam4_mean vs Slug



Right In: 20.962 ± 86.132 χ^2/NDF : 15.8/21

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -182.552 ± 79.501 χ^2/NDF : 16.7/26

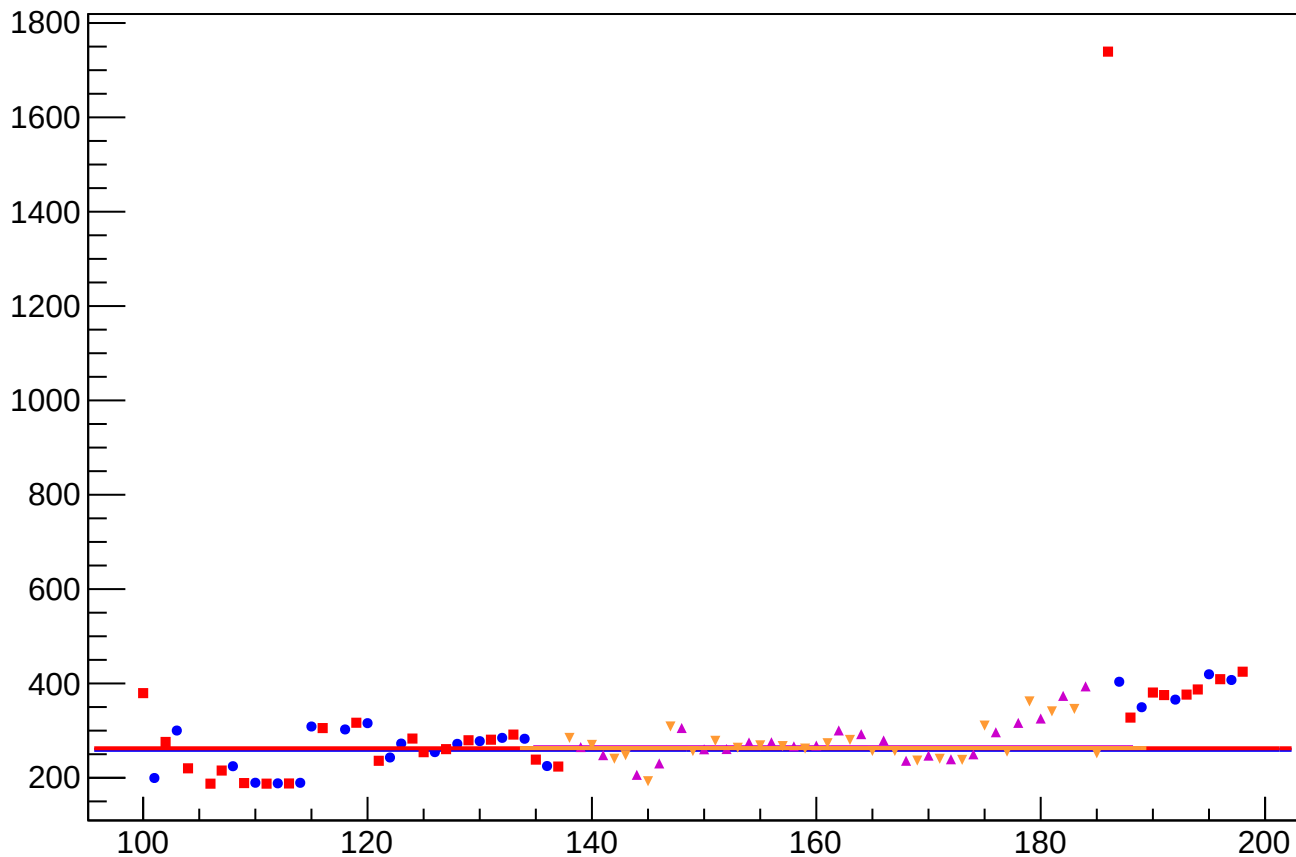
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 249.057 ± 50.289 χ^2/NDF : 54.7/46

All: -0.280 ± 35.428 χ^2/NDF : 145.1/96

- sign -245.968 ± 49.920 χ^2/NDF : 41.6/49

reg_asym_sam4_rms vs Slug



Right In: 259.258 $\pm$ 0.061 χ^2 /NDF: 1189676.1/21

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 262.590 $\pm$ 0.056 χ^2 /NDF: 2132513.4/26

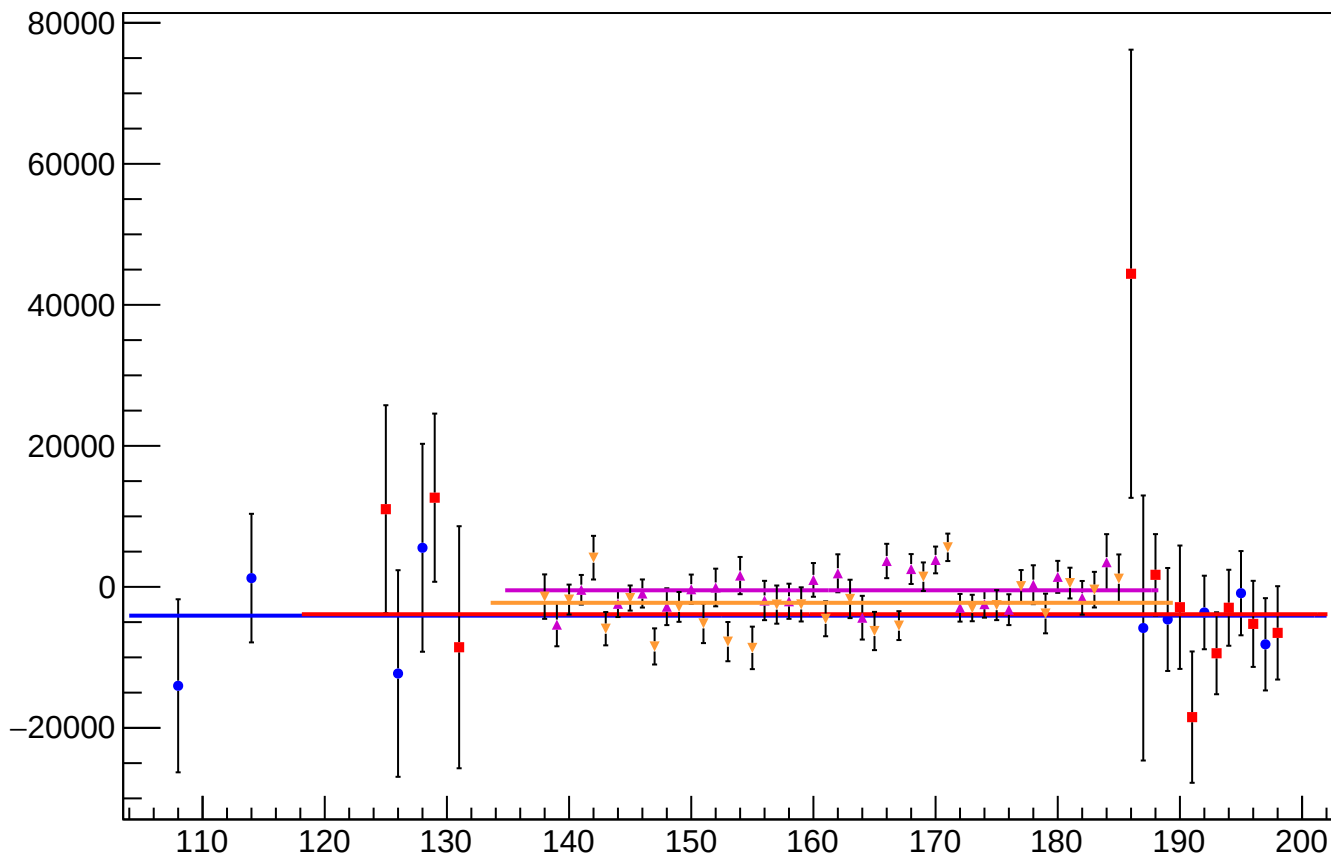
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 261.792 $\pm$ 0.036 χ^2 /NDF: 1834528.2/46

All: 262.906 $\pm$ 0.025 χ^2 /NDF: 4579056.5/96

- sign 264.003 $\pm$ 0.035 χ^2 /NDF: 2742581.1/49

asym_sam4_correction_mean vs Slug



Right In: -4082.054 ± 2695.485 χ^2/NDF : 2.4/8

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -3880.365 ± 2329.407 χ^2/NDF : 9.9/10

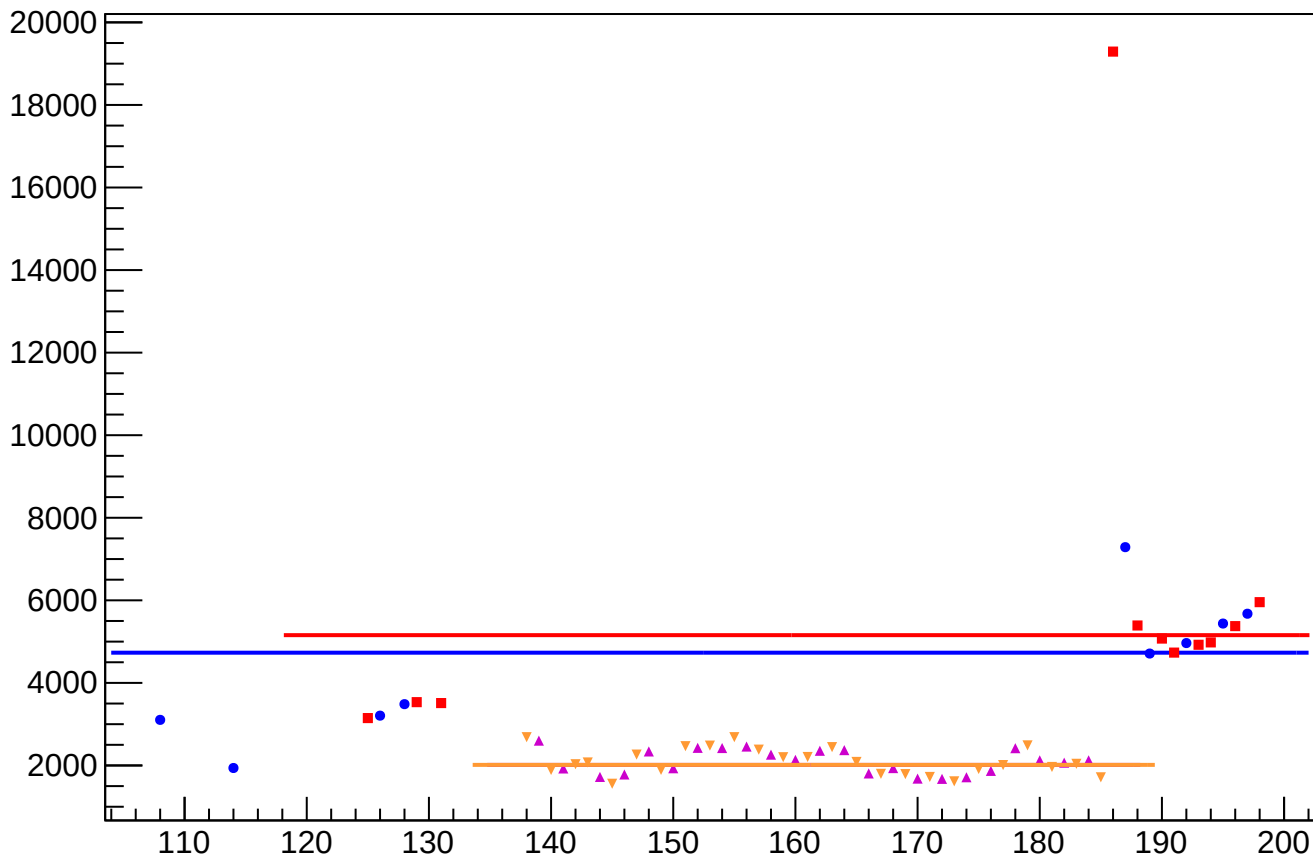
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2315.143 ± 468.113 χ^2/NDF : 55.2/33

All: -1487.673 ± 334.148 χ^2/NDF : 98.2/67

- sign -628.017 ± 477.130 χ^2/NDF : 36.7/33

asym_sam4_correction_rms vs Slug



Right In: 4731.790+/-1.906 χ^2/NDF : 369309.7/8

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 5156.515+/-1.647 χ^2/NDF : 532763.8/10

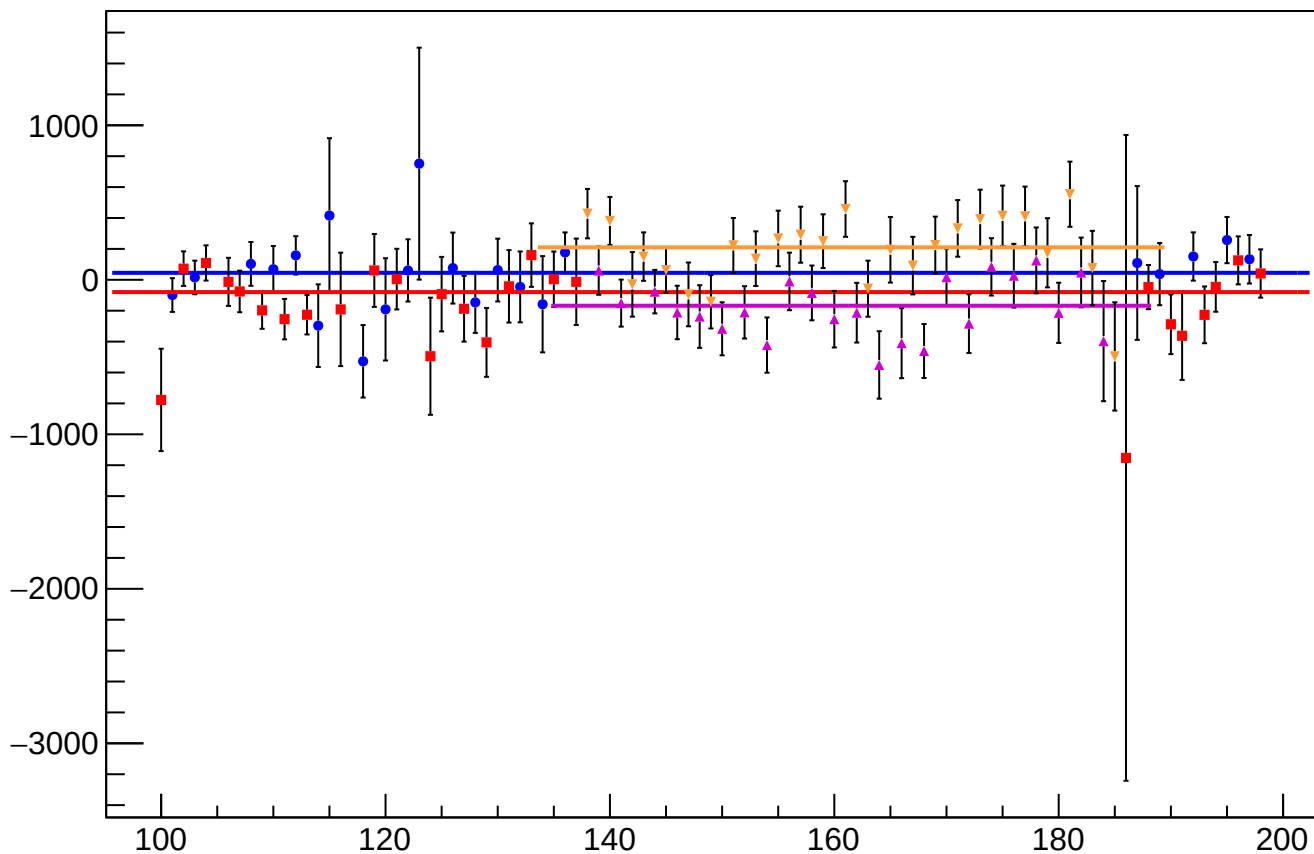
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2096.070+/-0.331 χ^2/NDF : 3176727.3/33

All: 2120.128+/-0.236 χ^2/NDF : 7871239.4/67

- sign 2145.121+/-0.337 χ^2/NDF : 4683741.9/33

reg_asym_sam5_mean vs Slug



Right In: 45.119+/-37.473 χ^2/NDF : 17.8/21

Left Out: 210.086+/-37.093 χ^2/NDF : 27.5/24

Right Out: -79.577+/-33.424 χ^2/NDF : 24.6/26

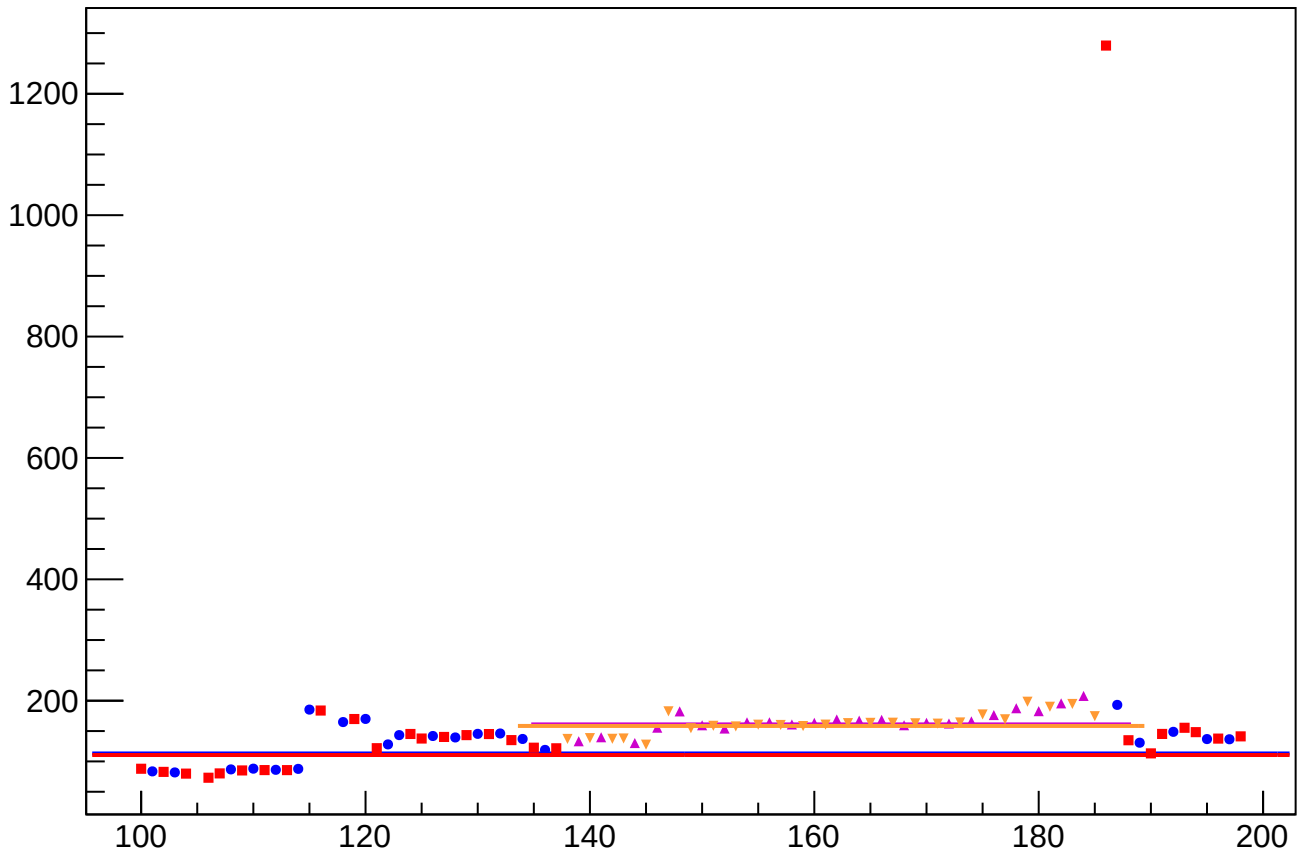
Left In: -167.822+/-38.718 χ^2/NDF : 21.1/22

+ sign 128.441+/-26.362 χ^2/NDF : 55.1/46

All: 0.545+/-18.254 χ^2/NDF : 149.1/96

- sign -117.259+/-25.300 χ^2/NDF : 48.8/49

reg_asym_sam5_rms vs Slug



Right In: 113.070 $\pm$ 0.026 χ^2 /NDF: 1201182.0/21

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 110.547 $\pm$ 0.024 χ^2 /NDF: 2235991.4/26

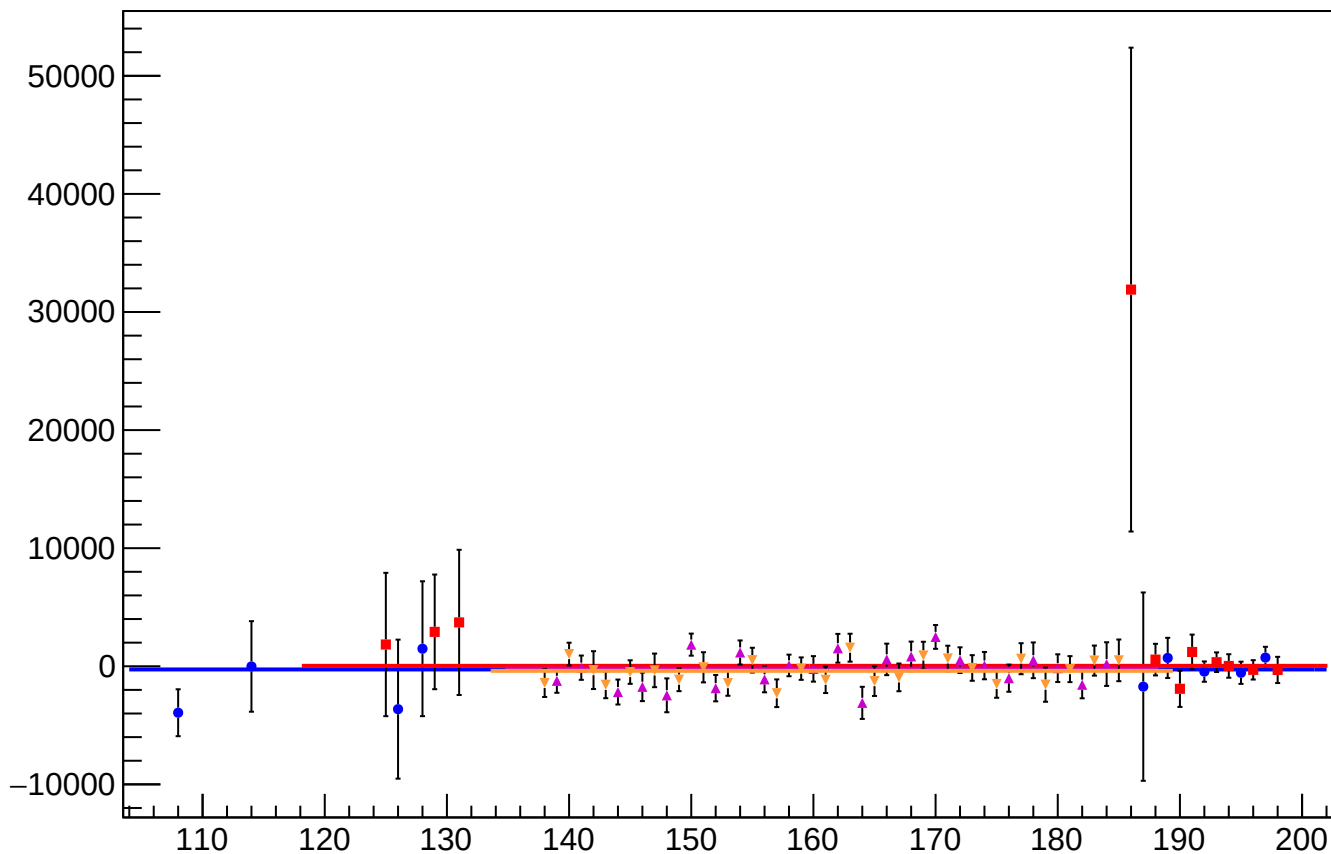
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.986 $\pm$ 0.019 χ^2 /NDF: 3116325.5/46

All: 133.947 $\pm$ 0.013 χ^2 /NDF: 7696859.0/96

- sign 132.069 $\pm$ 0.018 χ^2 /NDF: 4557546.4/49

asym_sam5_correction_mean vs Slug



Right In: -269.224+/-475.585 χ^2/NDF : 5.5/8

Left Out: -385.018+/-231.833 χ^2/NDF : 18.1/24

Right Out: 37.059+/-398.260 χ^2/NDF : 6.0/10

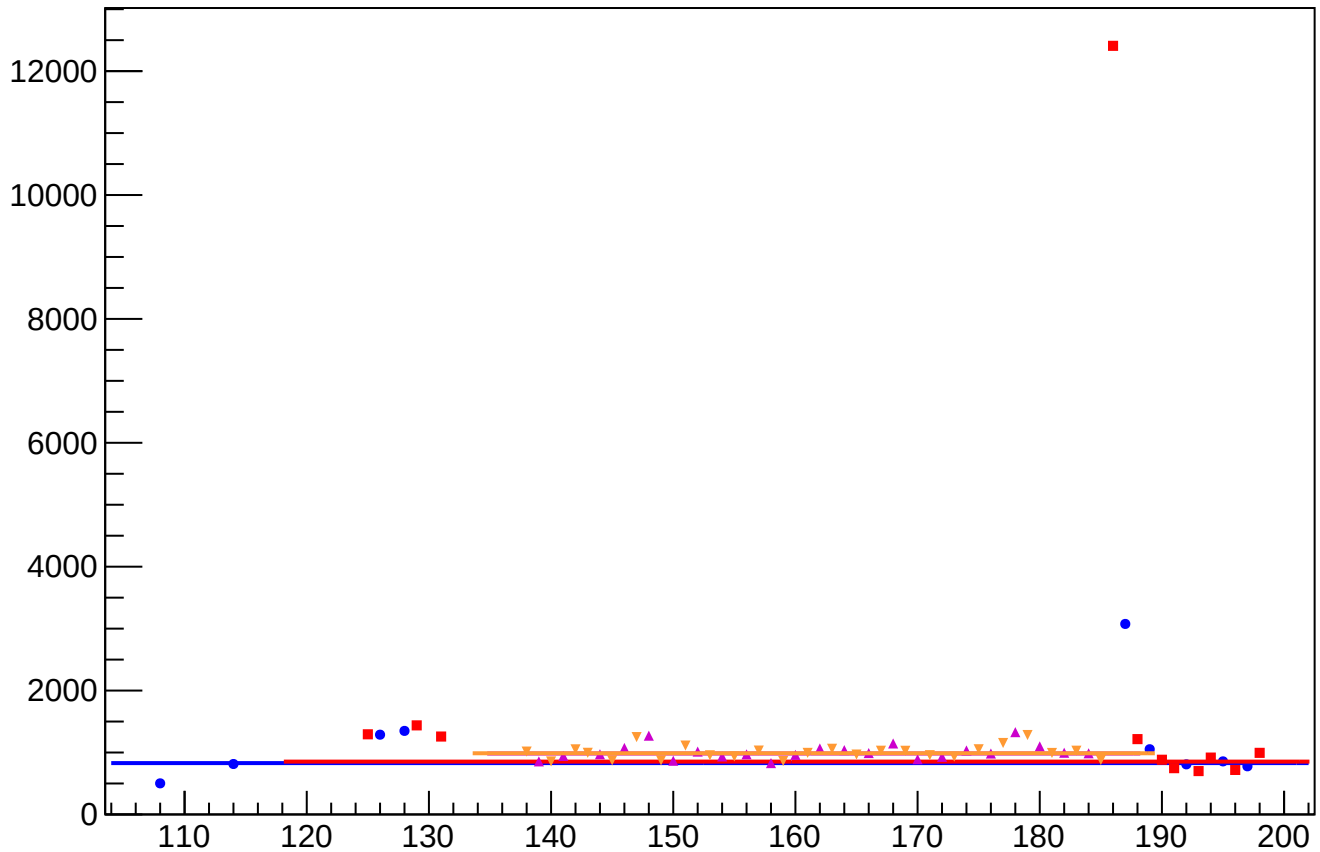
Left In: -202.234+/-237.460 χ^2/NDF : 35.5/22

+ sign -362.786+/-208.392 χ^2/NDF : 23.6/33

All: -248.729+/-145.762 χ^2/NDF : 66.0/67

- sign -139.475+/-203.957 χ^2/NDF : 41.8/33

asym_sam5_correction_rms vs Slug



Right In: 829.160 $\pm$ 0.336 χ^2 /NDF: 285558.6/8

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 853.147 $\pm$ 0.282 χ^2 /NDF: 1005325.7/10

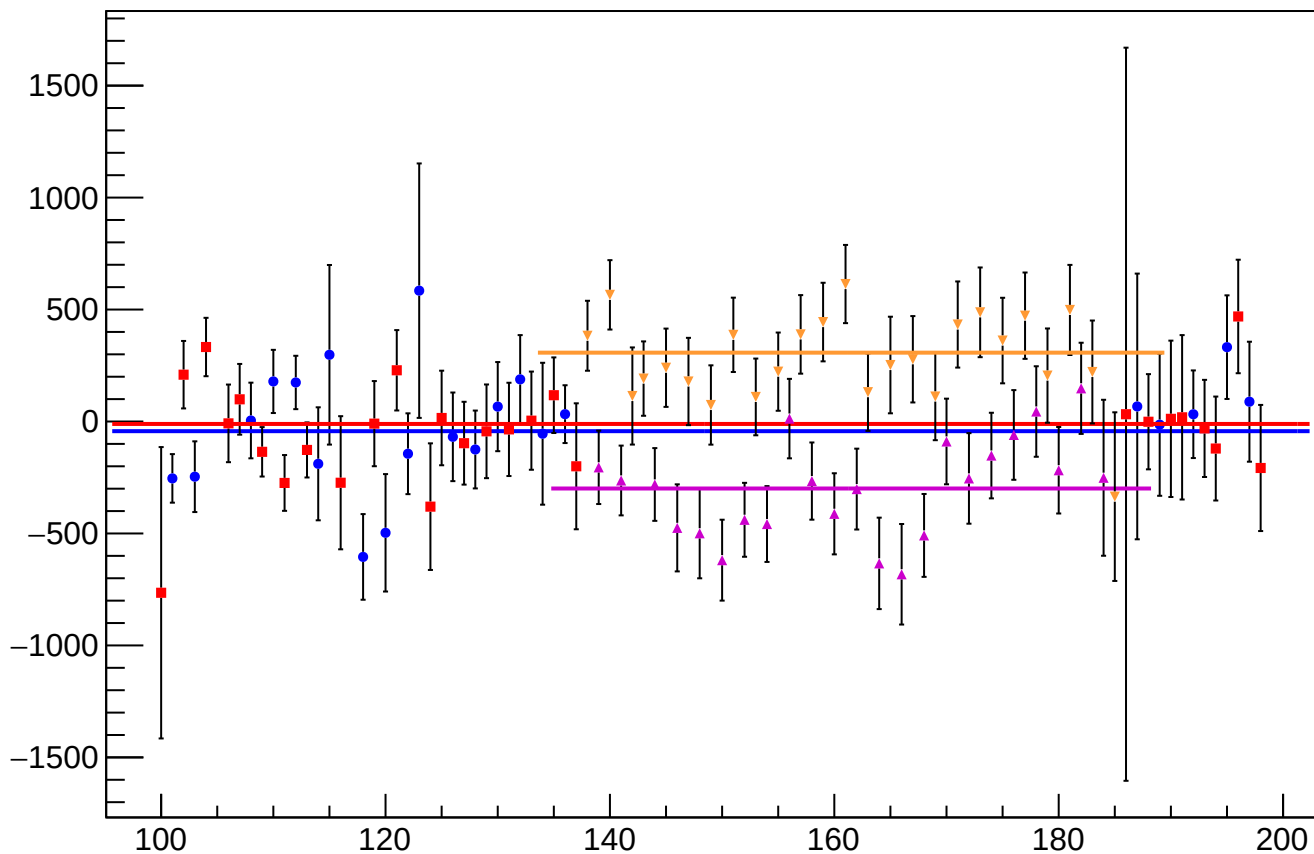
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 957.396 $\pm$ 0.147 χ^2 /NDF: 842481.8/33

All: 953.416 $\pm$ 0.103 χ^2 /NDF: 2424522.9/67

- sign 949.603 $\pm$ 0.144 χ^2 /NDF: 1580612.2/33

reg_asym_sam6_mean vs Slug



Right In: -43.161 ± 39.860 χ^2/NDF : 30.9/21

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: -10.904 ± 36.613 χ^2/NDF : 27.4/26

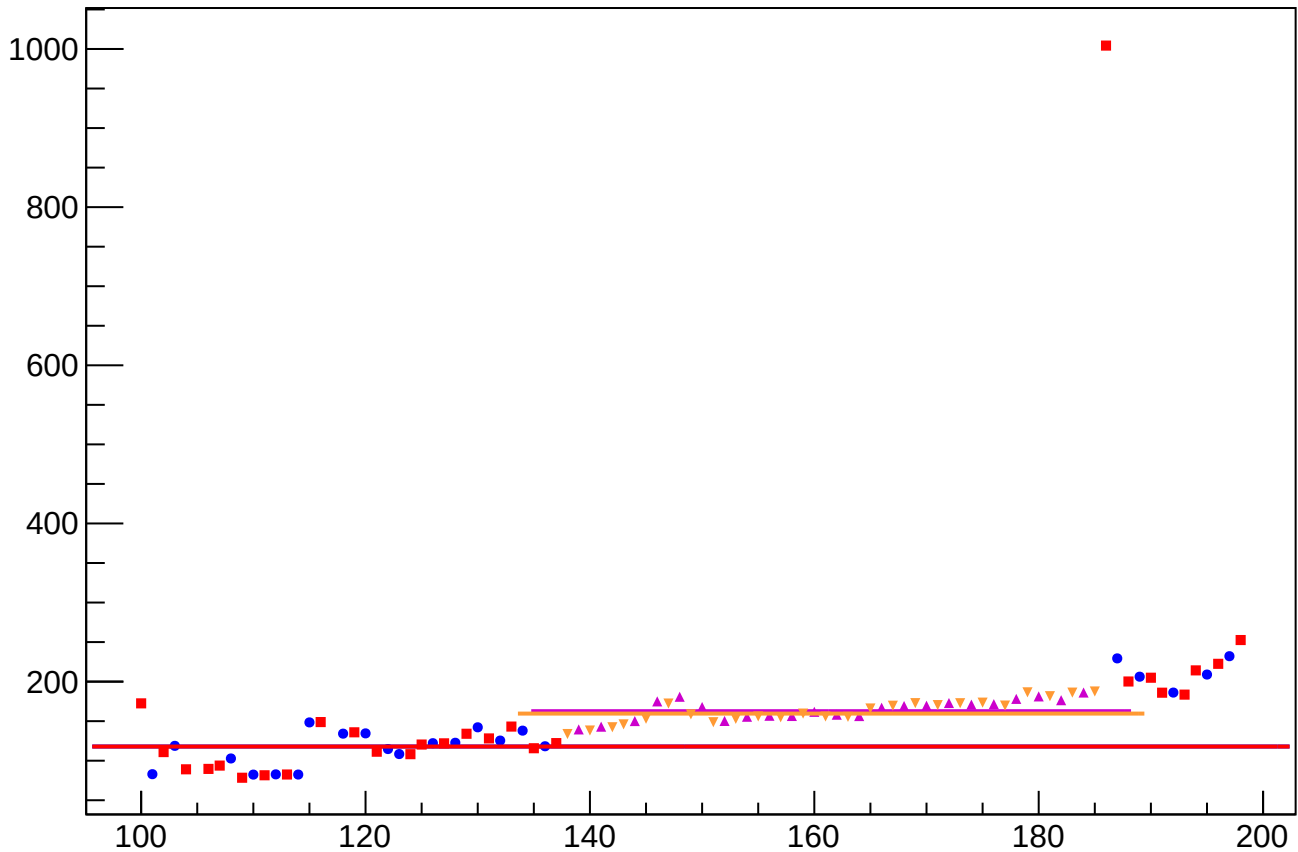
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 143.887 ± 27.226 χ^2/NDF : 92.8/46

All: -3.867 ± 19.062 χ^2/NDF : 235.6/96

- sign -145.922 ± 26.696 χ^2/NDF : 85.0/49

reg_asym_sam6_rms vs Slug



Right In: 117.959 $\pm$ 0.028 χ^2 /NDF: 1784225.8/21

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 117.892 $\pm$ 0.026 χ^2 /NDF: 3300903.0/26

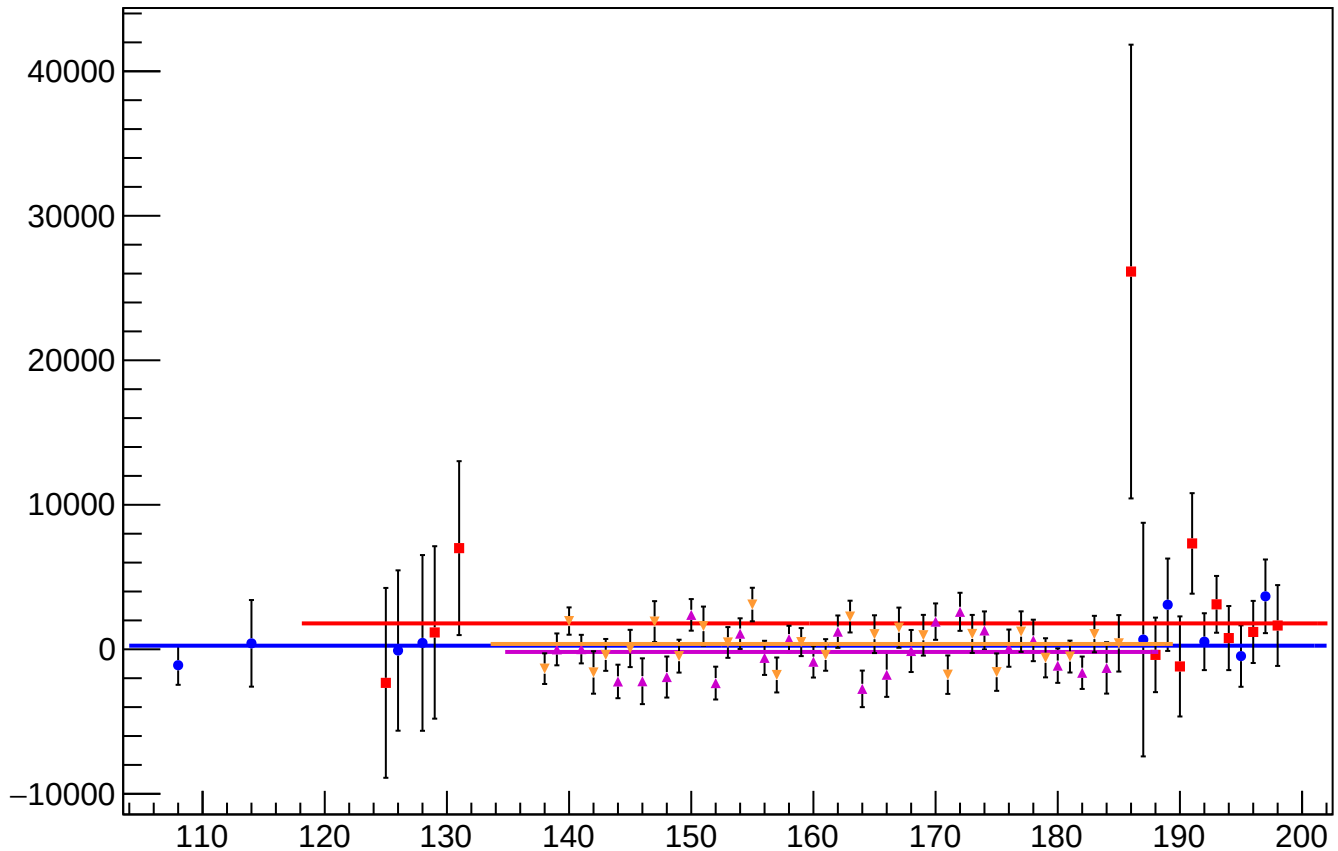
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 140.155 $\pm$ 0.019 χ^2 /NDF: 3234592.6/46

All: 139.481 $\pm$ 0.013 χ^2 /NDF: 8134559.8/96

- sign 138.833 $\pm$ 0.019 χ^2 /NDF: 4897565.9/49

asym_sam6_correction_mean vs Slug



Right In: 250.691 $\pm$ 827.290 χ^2 /NDF: 3.7/8

Left Out: 370.001 $\pm$ 243.521 χ^2 /NDF:30.5/24

Right Out: 1792.553 $\pm$ 910.663 χ^2 /NDF: 8.3/10

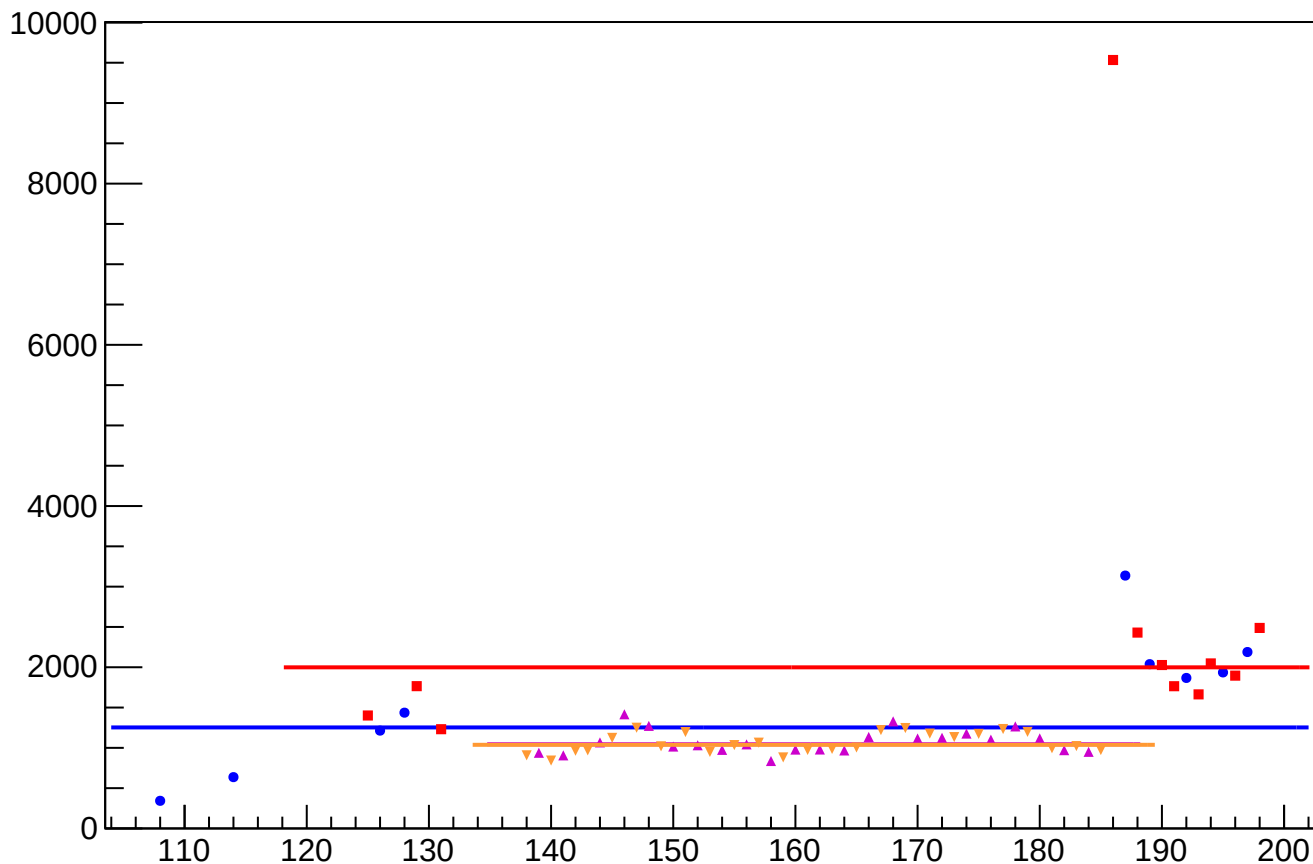
Left In: -183.107 $\pm$ 252.258 χ^2 /NDF:36.5/22

+ sign 360.487 $\pm$ 233.610 χ^2 /NDF: 34.2/33

All: 167.105 $\pm$ 168.443 χ^2 /NDF: 84.8/67

- sign -42.314 $\pm$ 243.104 χ^2 /NDF: 49.1/33

asym_sam6_correction_rms vs Slug



Right In: 1253.300+/-0.585 χ^2/NDF : 1887084.4/8

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1998.875+/-0.644 χ^2/NDF : 702764.5/10

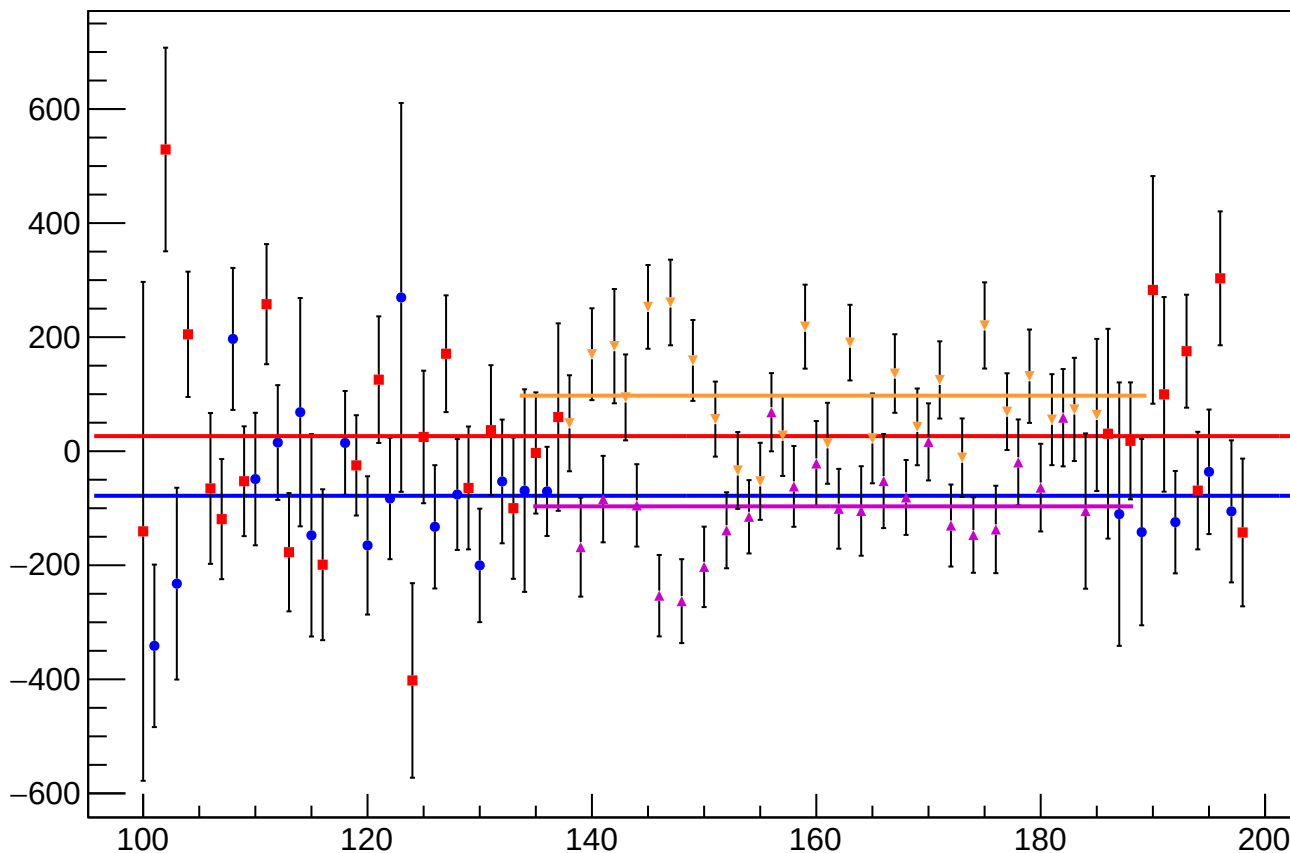
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1054.882+/-0.165 χ^2/NDF : 2507082.3/33

All: 1082.659+/-0.119 χ^2/NDF : 5851083.3/67

- sign 1112.740+/-0.172 χ^2/NDF : 3285101.8/33

reg_asym_sam7_mean vs Slug



Right In: -78.172 ± 25.275 $\chi^2/\text{NDF}: 15.8/21$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 26.478 ± 22.969 $\chi^2/\text{NDF}: 48.9/26$

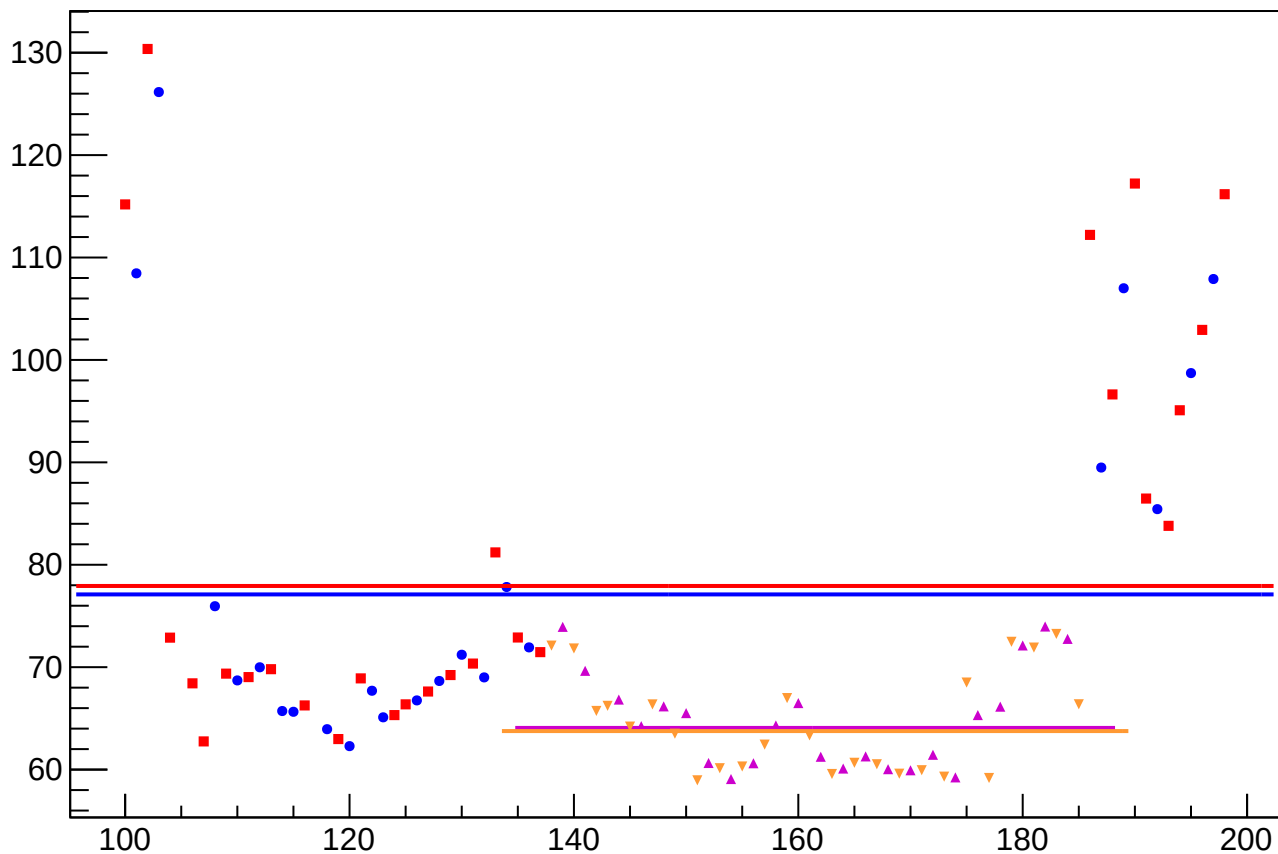
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 52.244 ± 12.823 $\chi^2/\text{NDF}: 87.7/46$

All: -3.395 ± 9.050 $\chi^2/\text{NDF}: 223.2/96$

- sign -58.609 ± 12.774 $\chi^2/\text{NDF}: 98.0/49$

reg_asym_sam7_rms vs Slug



Right In: 77.105 ± 0.018 χ^2/NDF : 743110.2/21

Left Out: 63.761 ± 0.011 χ^2/NDF : 192803.8/24

Right Out: 77.929 ± 0.016 χ^2/NDF : 1000006.9/26

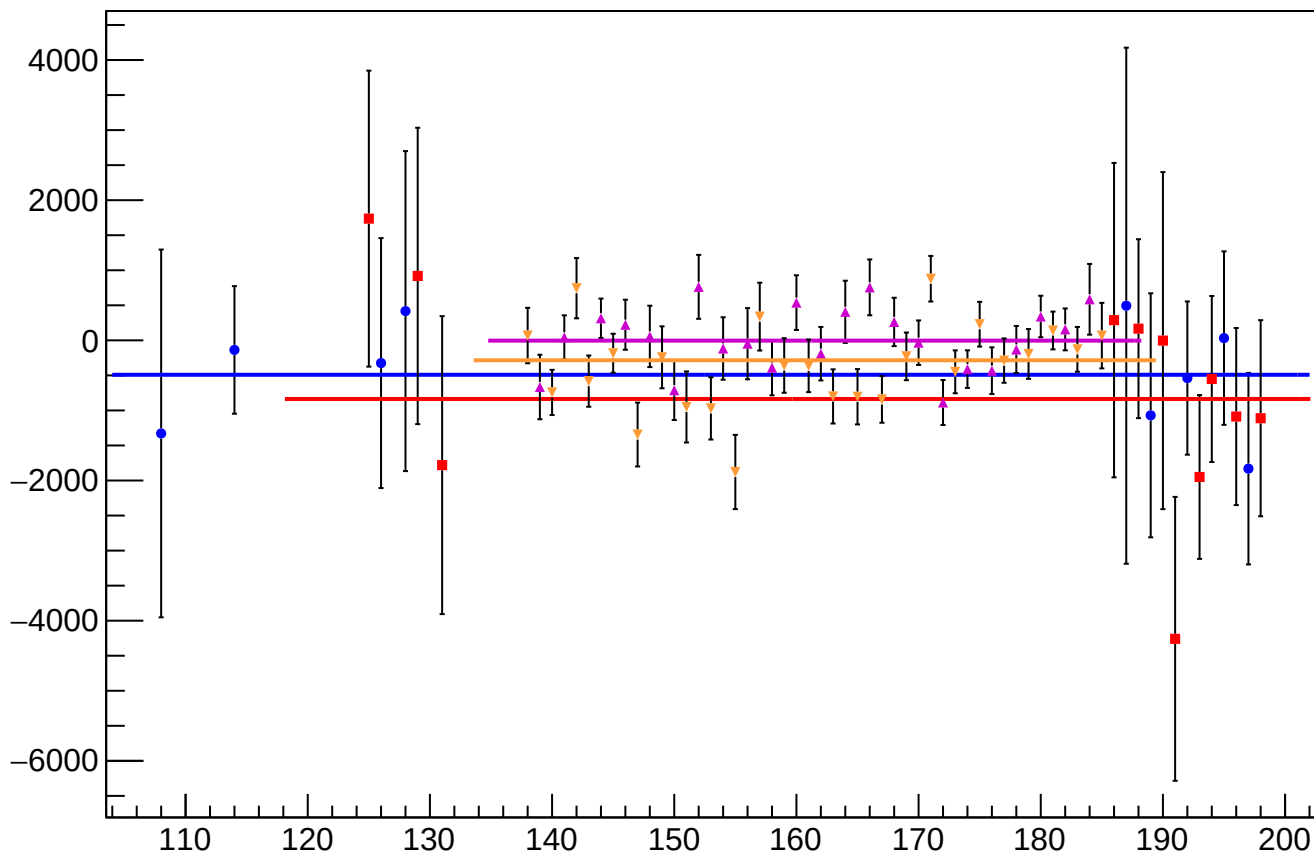
Left In: 64.069 ± 0.011 χ^2/NDF : 164660.4/22

+ sign 67.196 ± 0.009 χ^2/NDF : 1349884.9/46

All: 67.778 ± 0.006 χ^2/NDF : 3025833.3/96

- sign 68.355 ± 0.009 χ^2/NDF : 1667738.5/49

asym_sam7_correction_mean vs Slug



Right In: -491.252 ± 482.997 χ^2/NDF : 1.7/8

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: -836.334 ± 472.426 χ^2/NDF : 7.3/10

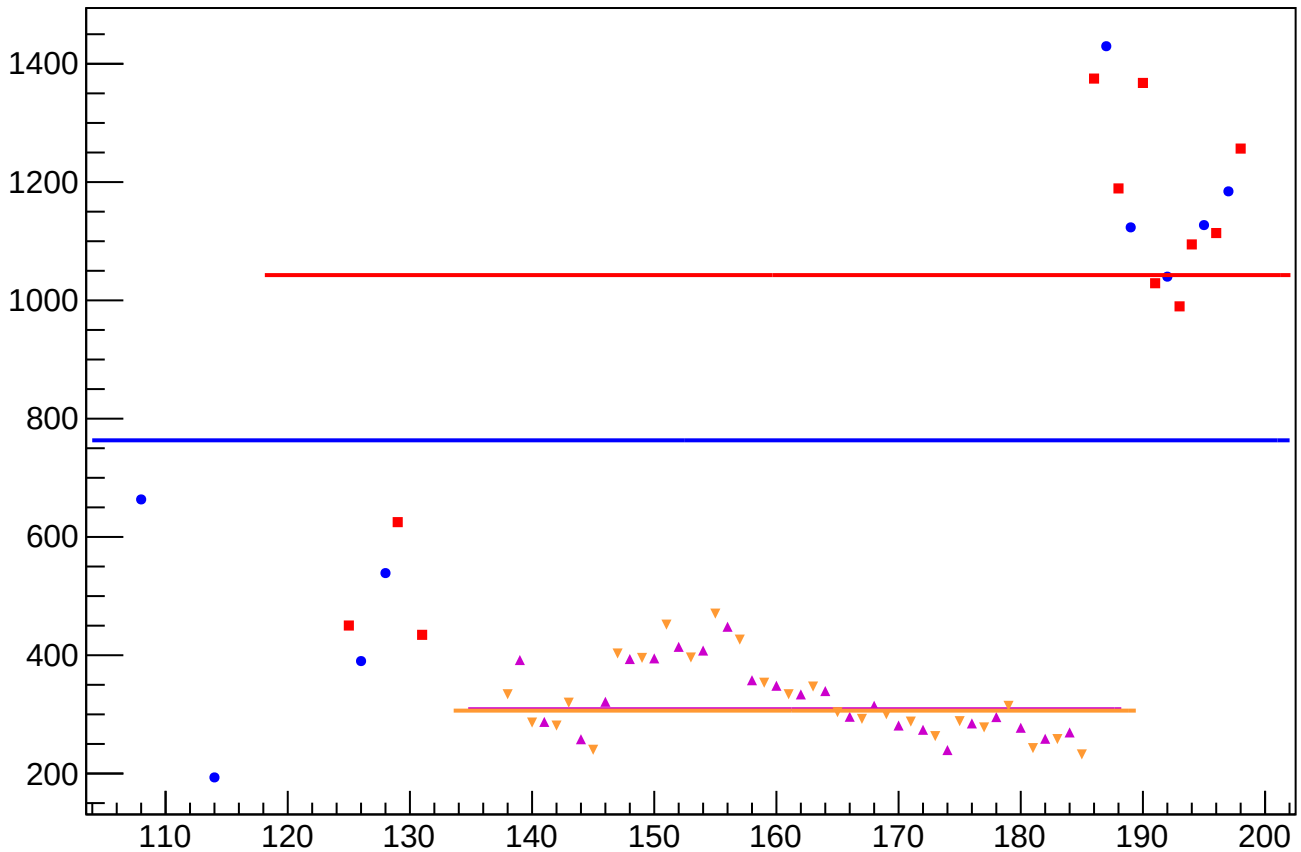
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -288.892 ± 71.922 χ^2/NDF : 57.0/33

All: -160.756 ± 51.627 χ^2/NDF : 106.2/67

- sign -24.542 ± 74.154 χ^2/NDF : 42.6/33

asym_sam7_correction_rms vs Slug



Right In: 763.378+/-0.342 χ^2/NDF : 1535410.9/8

Left Out: 306.363+/-0.051 χ^2/NDF : 1215669.9/24

Right Out: 1042.747+/-0.334 χ^2/NDF : 567062.5/10

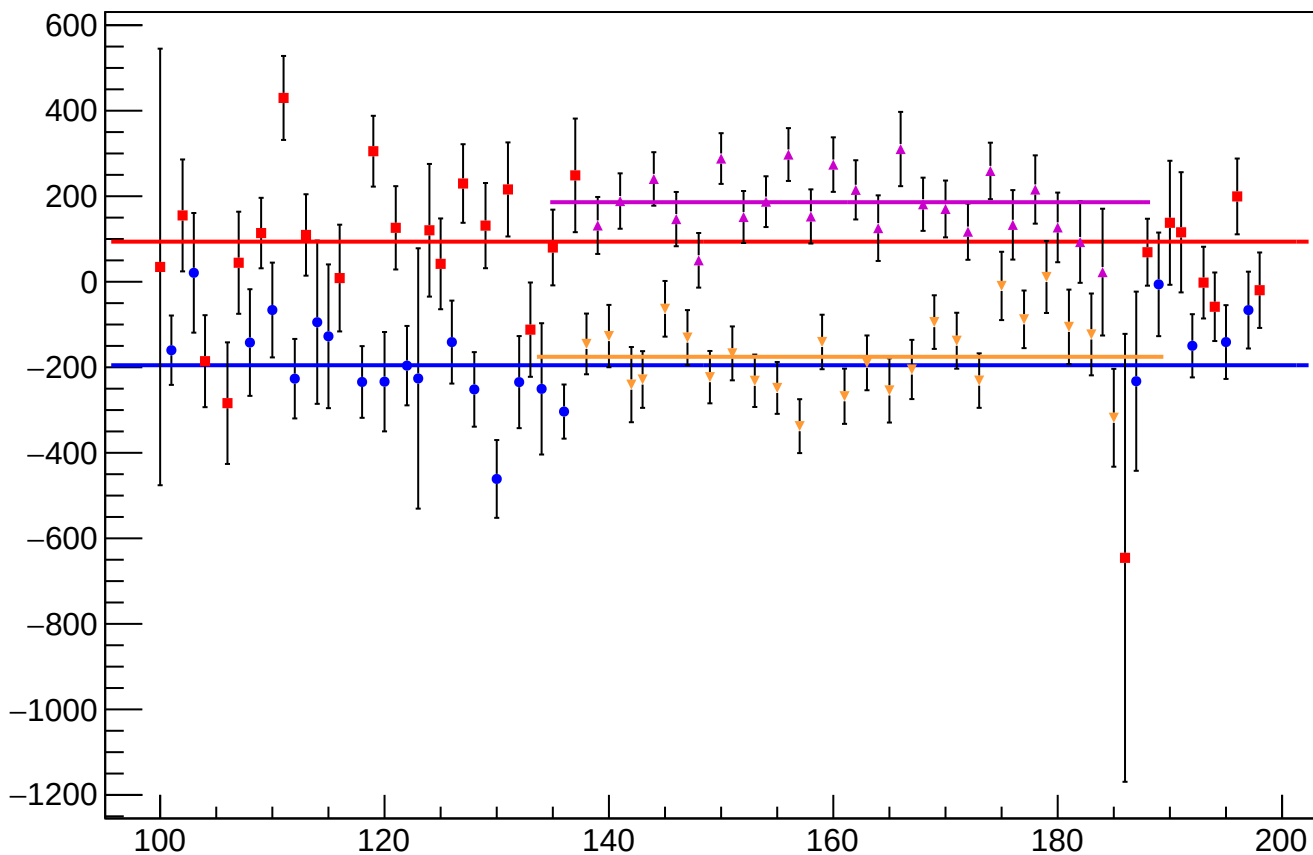
Left In: 308.727+/-0.053 χ^2/NDF : 1002947.4/22

+ sign 316.496+/-0.051 χ^2/NDF : 4501994.9/33

All: 321.496+/-0.037 χ^2/NDF : 10801106.1/67

- sign 326.811+/-0.052 χ^2/NDF : 6279171.8/33

reg_asym_sam8_mean vs Slug



Right In: -195.204 ± 21.617 χ^2/NDF : 22.8/21

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 93.786 ± 20.152 χ^2/NDF : 52.0/26

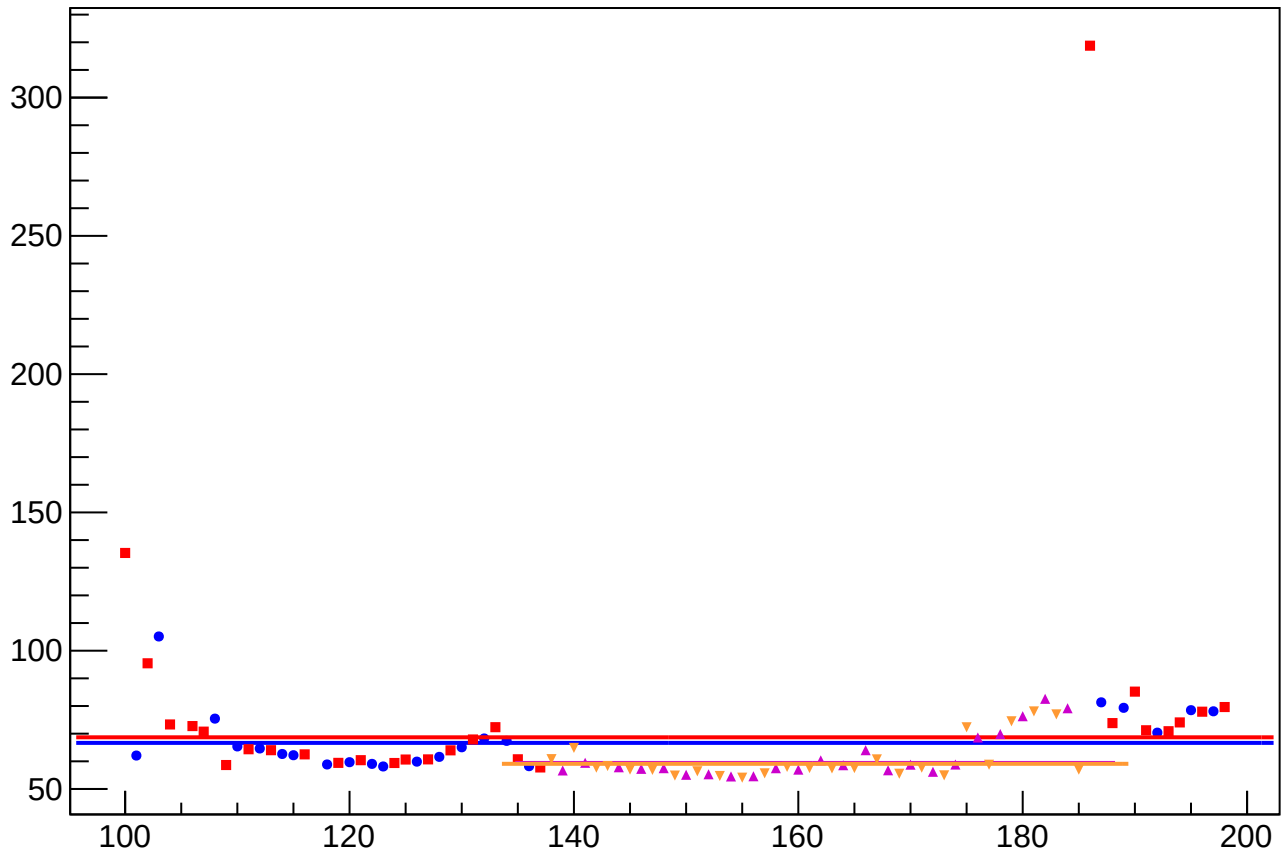
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -181.211 ± 11.659 χ^2/NDF : 58.0/46

All: -13.216 ± 8.248 χ^2/NDF : 563.1/96

- sign 155.104 ± 11.670 χ^2/NDF : 89.5/49

reg_asym_sam8_rms vs Slug



Right In: 66.665 $\pm$ 0.015 χ^2 /NDF: 370249.6/21

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 68.683 $\pm$ 0.014 χ^2 /NDF: 830570.9/26

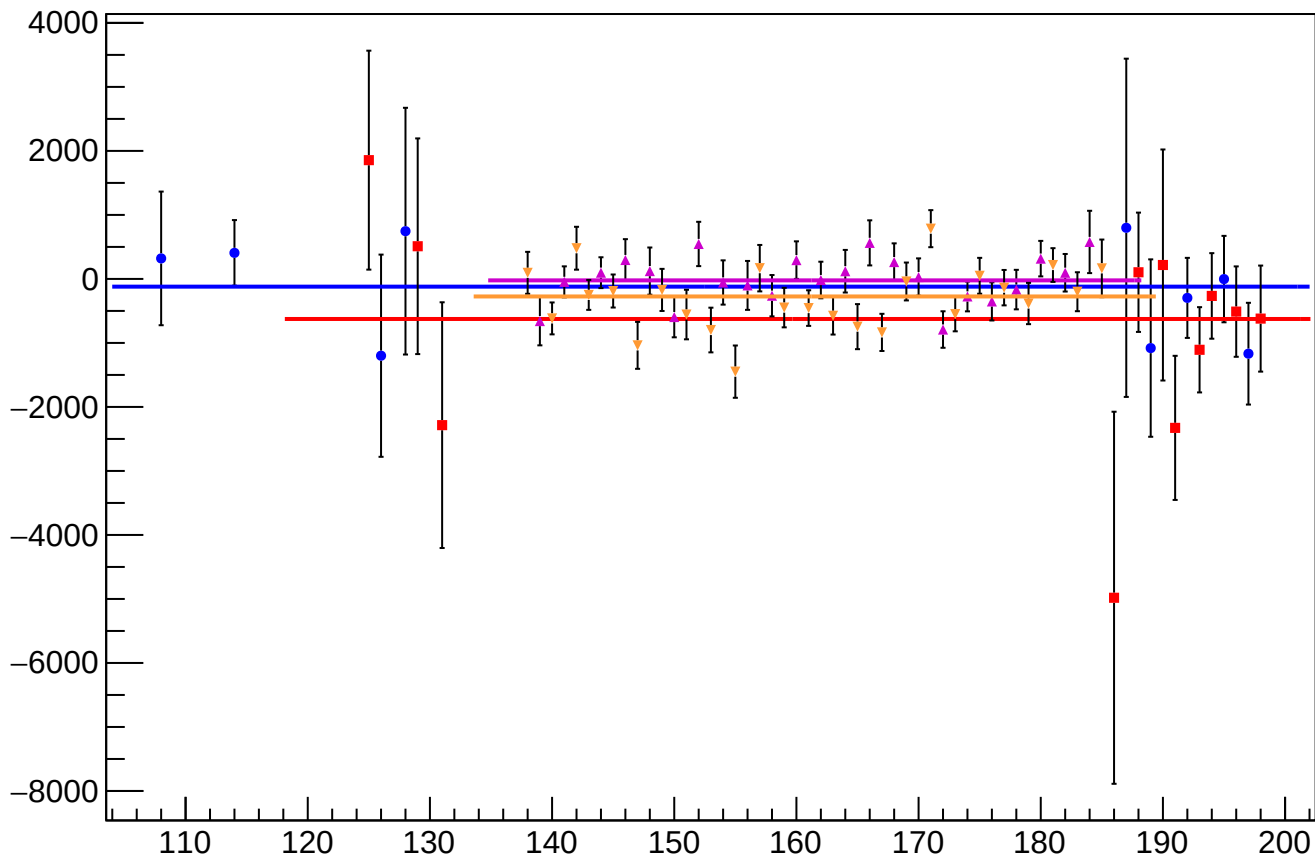
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 61.300 $\pm$ 0.008 χ^2 /NDF: 913773.9/46

All: 61.910 $\pm$ 0.006 χ^2 /NDF: 2409758.3/96

- sign 62.520 $\pm$ 0.008 χ^2 /NDF: 1485047.6/49

asym_sam8_correction_mean vs Slug



Right In: -120.683+/-284.032 χ^2/NDF : 4.4/8

Left Out: -274.091+/-60.799 χ^2/NDF : 53.9/24

Right Out: -625.830+/-297.663 χ^2/NDF : 9.5/10

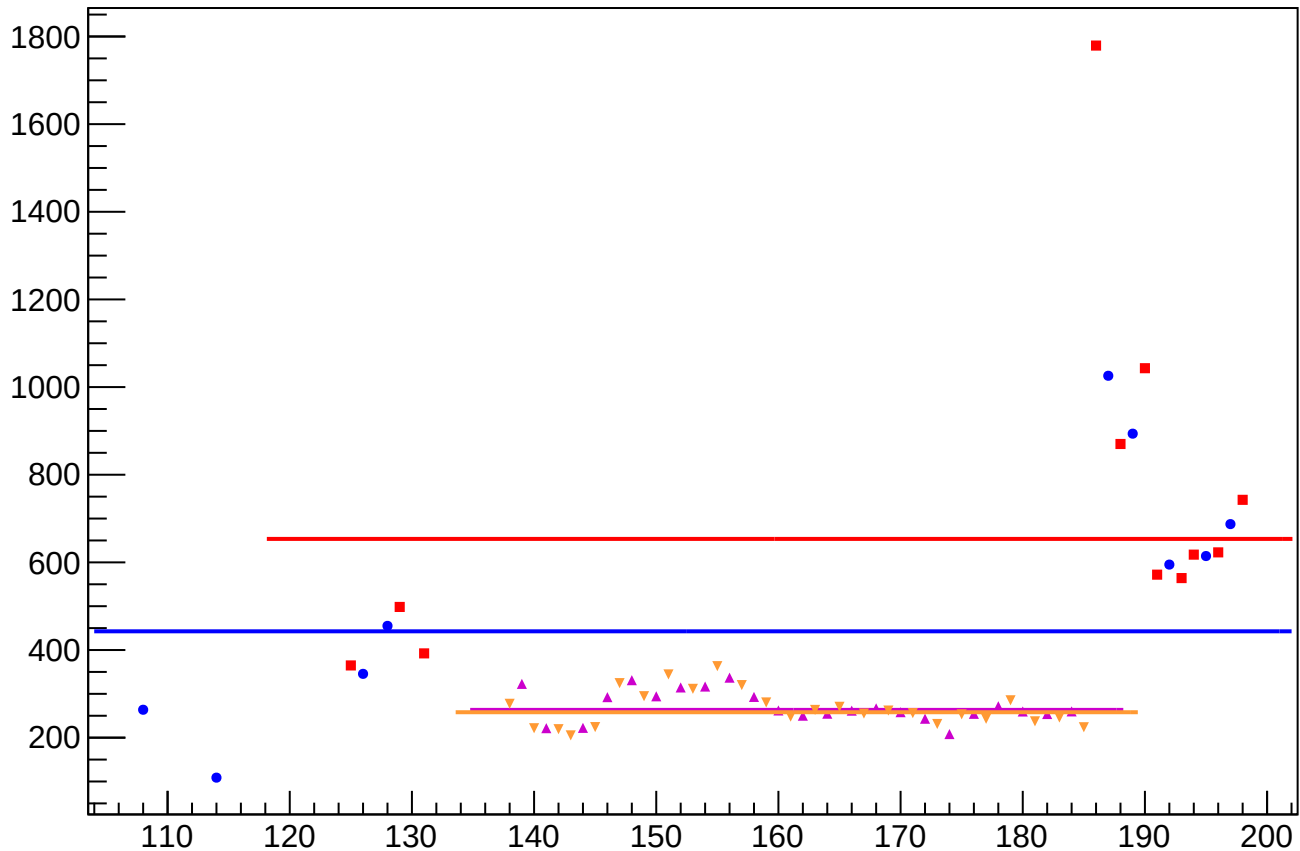
Left In: -22.631+/-63.643 χ^2/NDF : 28.9/22

+ sign -267.370+/-59.452 χ^2/NDF : 58.5/33

All: -163.178+/-42.990 χ^2/NDF : 107.3/67

- sign -49.000+/-62.236 χ^2/NDF : 42.3/33

asym_sam8_correction_rms vs Slug



Right In: 442.683+/-0.201 χ^2/NDF : 1662709.3/8

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 653.546+/-0.210 χ^2/NDF : 691471.1/10

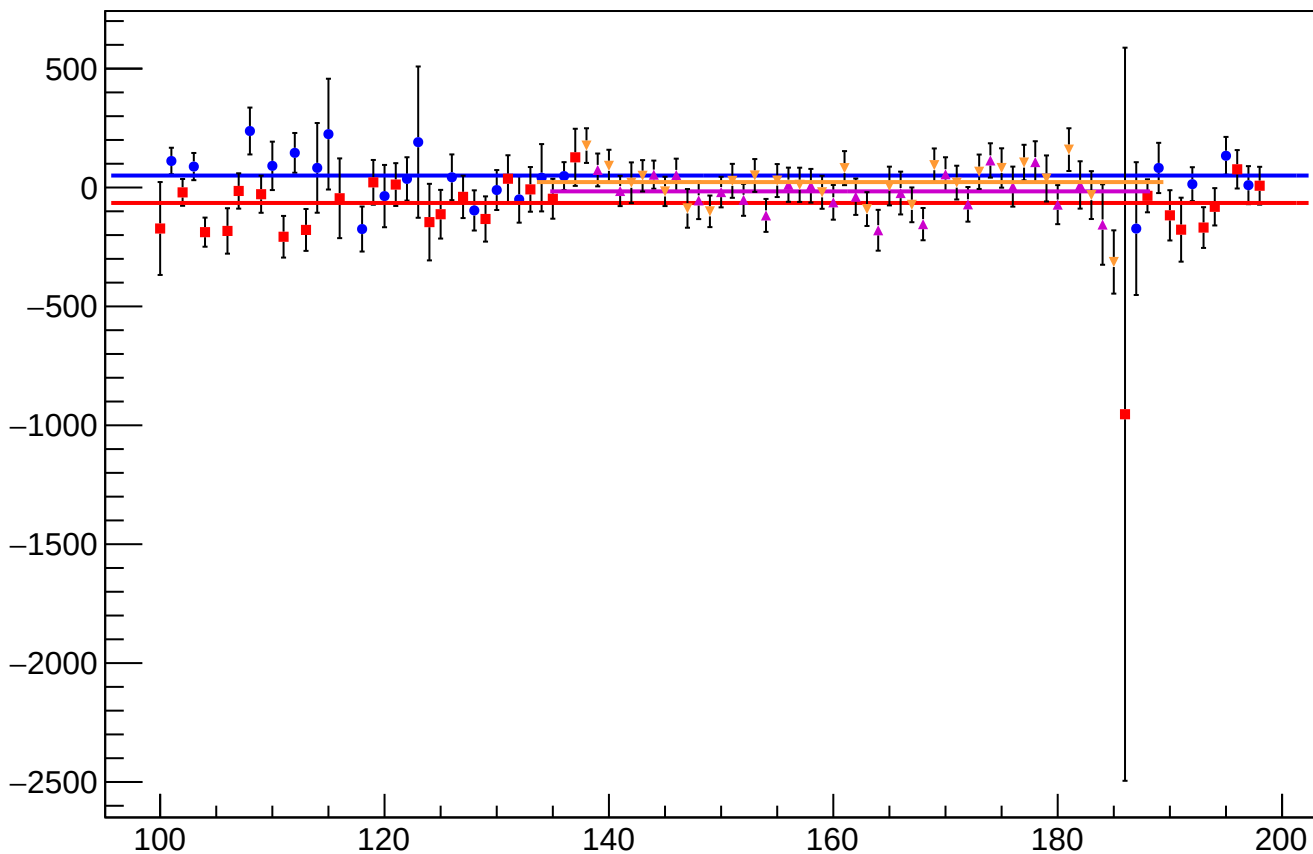
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 266.130+/-0.042 χ^2/NDF : 3195703.2/33

All: 272.964+/-0.030 χ^2/NDF : 7813862.5/67

- sign 280.452+/-0.044 χ^2/NDF : 4562777.6/33

reg_asym_sam_15_avg_mean vs Slug



Right In: 50.356 ± 19.006 χ^2/NDF : 20.6/21

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -64.950 ± 17.266 χ^2/NDF : 25.0/26

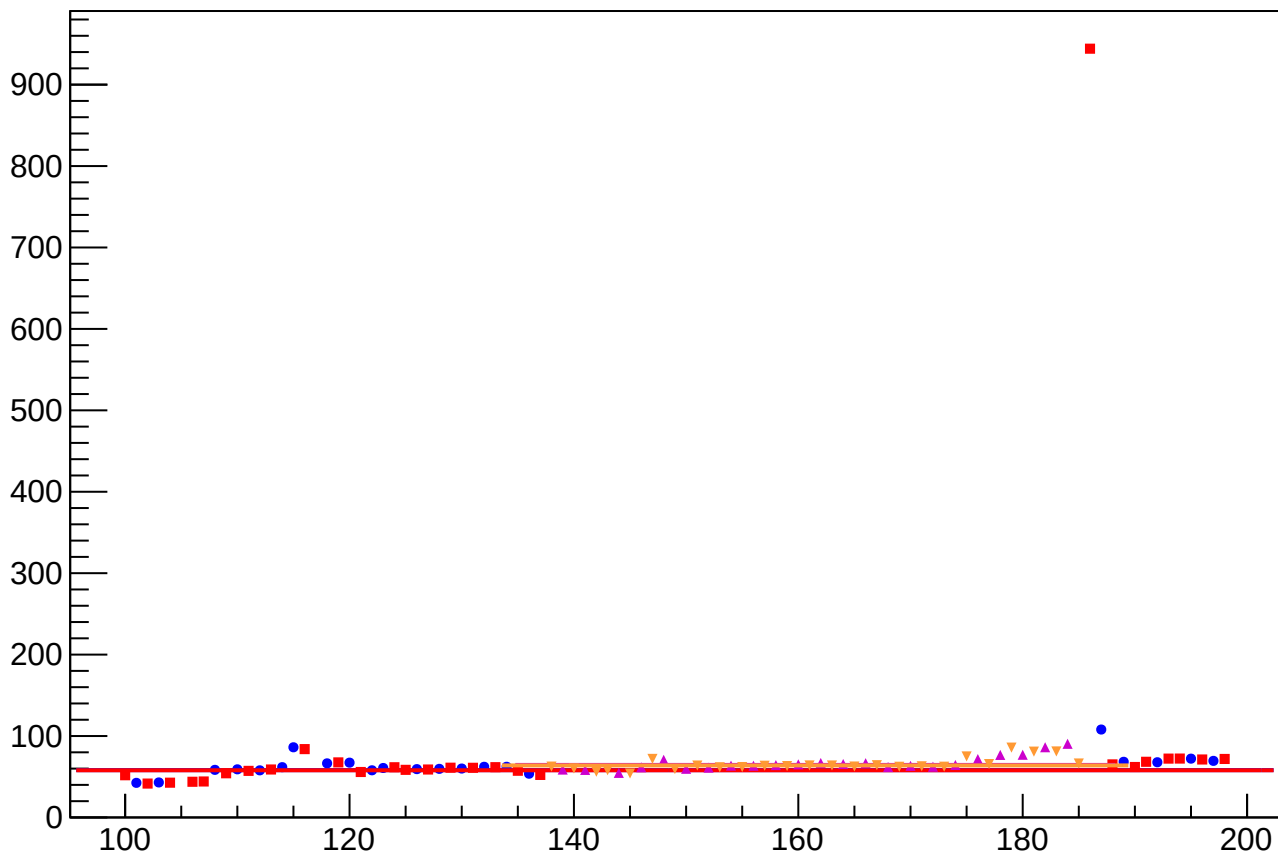
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 33.392 ± 11.759 χ^2/NDF : 50.8/46

All: -2.955 ± 8.239 χ^2/NDF : 122.3/96

- sign -38.002 ± 11.547 χ^2/NDF : 52.7/49

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.116 $\pm$ 0.013 χ^2 /NDF: 594422.9/21

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 57.952 $\pm$ 0.012 χ^2 /NDF: 1430333.4/26

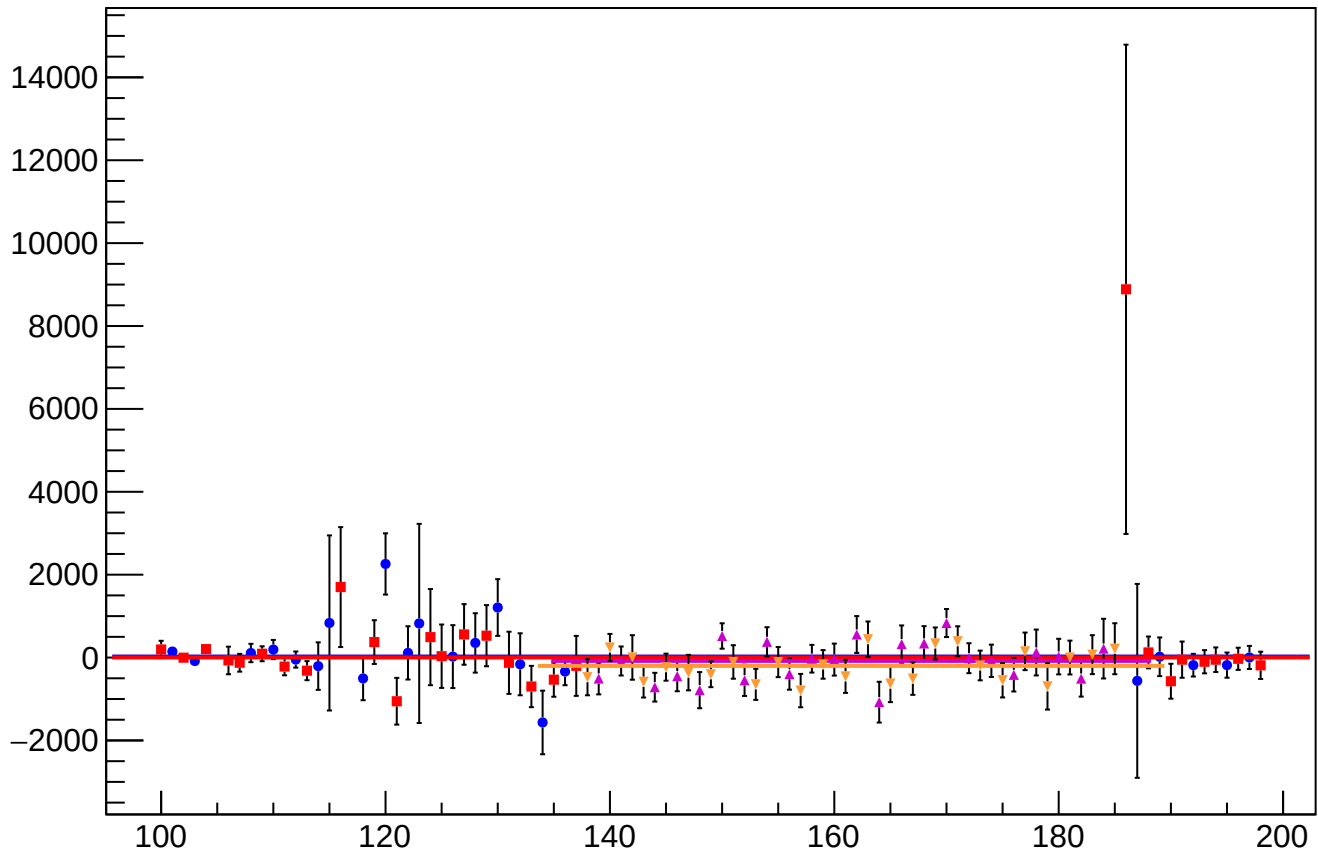
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.698 $\pm$ 0.008 χ^2 /NDF: 1104928.9/46

All: 61.637 $\pm$ 0.006 χ^2 /NDF: 3065436.7/96

- sign 61.577 $\pm$ 0.008 χ^2 /NDF: 1960399.7/49

asym_sam_15_avg_correction_mean vs Slug



Right In: 24.560 $\pm$ 48.910 χ^2 /NDF: 25.0/21

Left Out: -201.082 $\pm$ 79.549 χ^2 /NDF:19.7/24

Right Out: 2.706 $\pm$ 48.955 χ^2 /NDF: 23.7/26

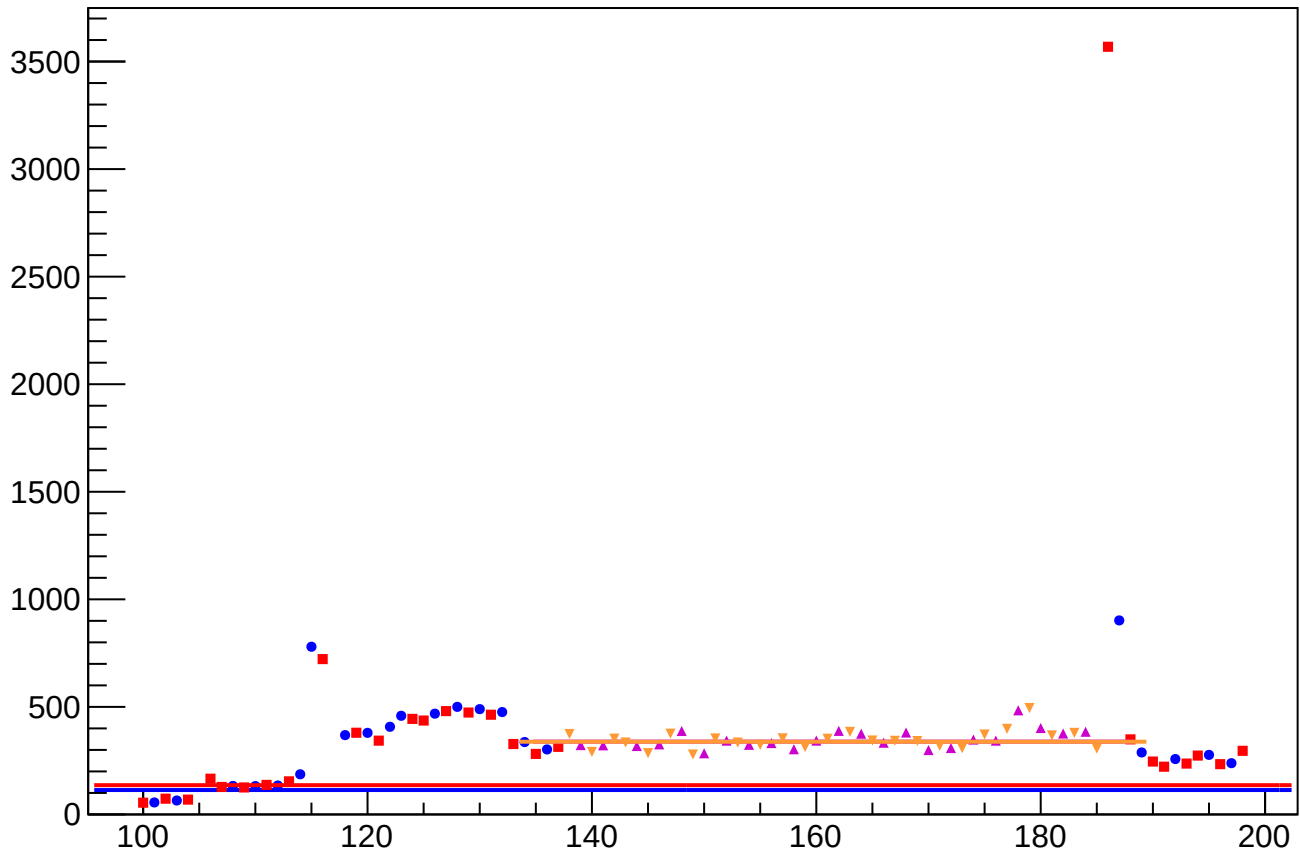
Left In: -79.985 $\pm$ 81.781 χ^2 /NDF:33.4/22

+ sign -37.340 $\pm$ 41.664 χ^2 /NDF: 50.5/46

All: -28.298 $\pm$ 29.581 χ^2 /NDF: 108.4/96

- sign -19.108 $\pm$ 42.005 χ^2 /NDF: 57.8/49

asym_sam_15_avg_correction_rms vs Slug



Right In: 113.526 $\pm$ 0.035 χ^2 /NDF: 8051460.9/21

Left Out: 338.130 $\pm$ 0.056 χ^2 /NDF: 498601.7/24

+ sign 175.141 $\pm$ 0.029 χ^2 /NDF: 20120226.2/46

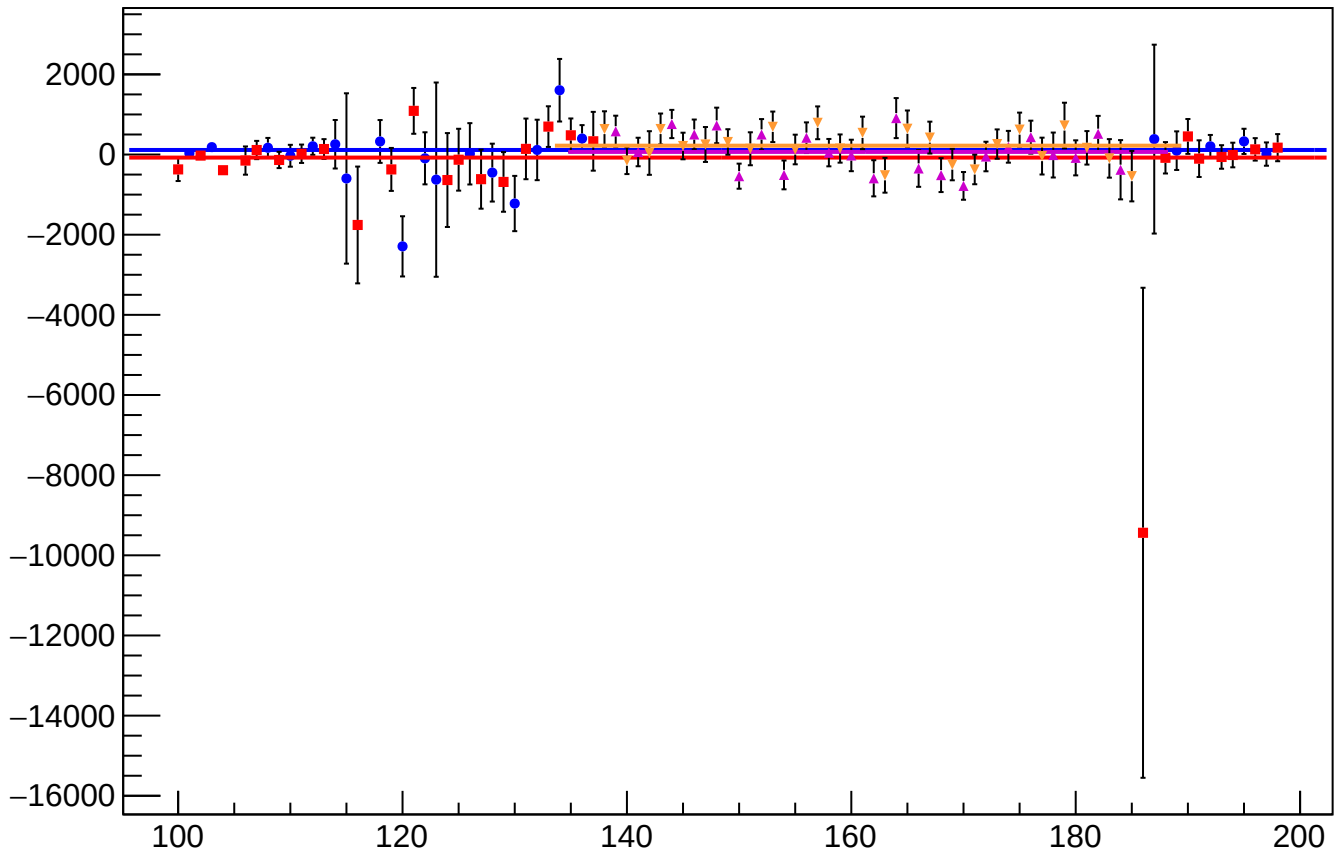
Right Out: 136.108 $\pm$ 0.035 χ^2 /NDF: 8340859.6/26

All: 182.271 $\pm$ 0.021 χ^2 /NDF: 38039948.5/96

Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

- sign 189.518 $\pm$ 0.030 χ^2 /NDF: 17801619.6/49

asym_sam_15_avg_mean vs Slug



Right In: 113.951 $\pm$ 58.788 χ^2 /NDF: 21.7/21

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: -76.023 $\pm$ 55.040 χ^2 /NDF: 26.4/26

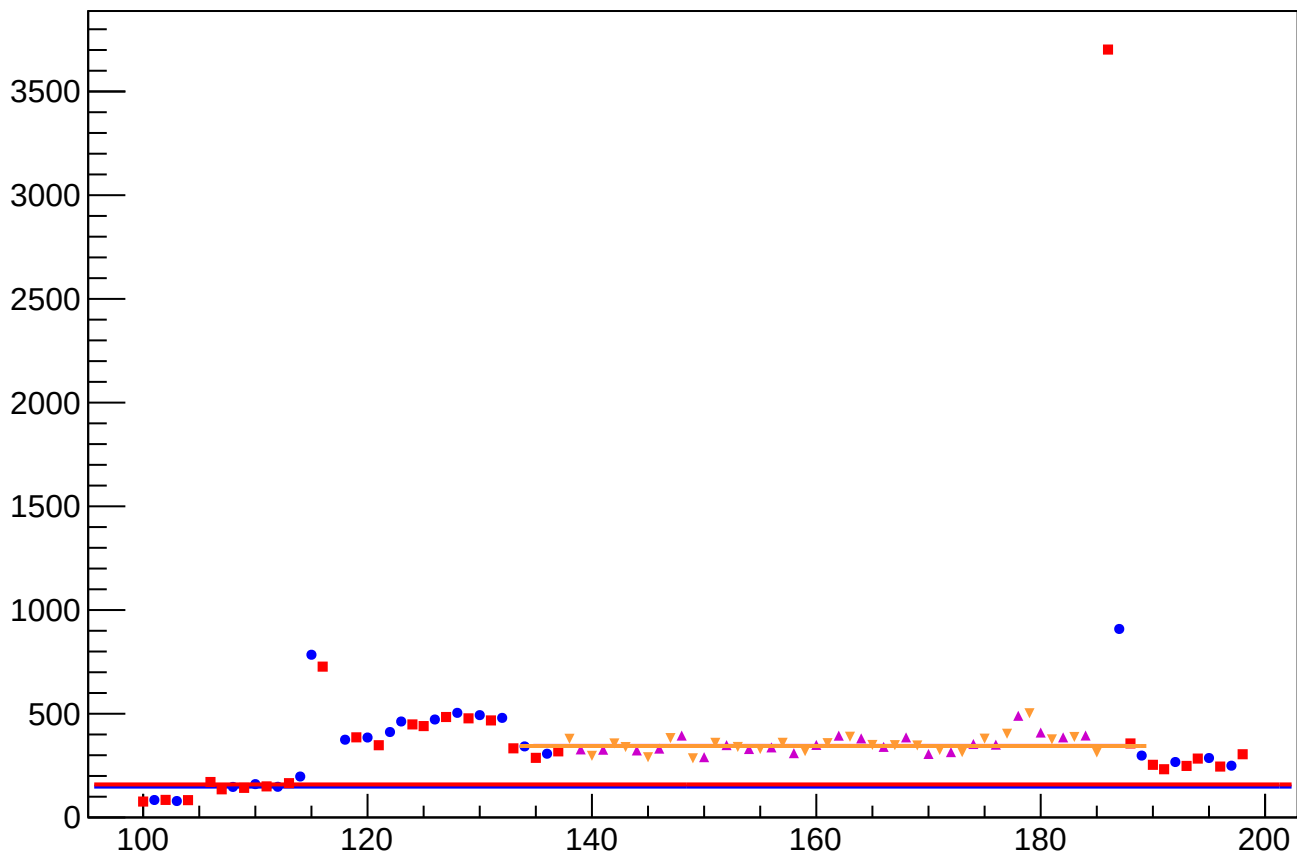
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 150.902 $\pm$ 47.582 χ^2 /NDF: 42.6/46

All: 55.681 $\pm$ 33.044 χ^2 /NDF: 112.7/96

- sign -33.024 $\pm$ 45.924 χ^2 /NDF: 62.4/49

asym_sam_15_avg_rms vs Slug



Right In: 148.719 $\pm$ 0.042 χ^2 /NDF: 6321898.0/21

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF: 488323.4/24

Right Out: 159.214 $\pm$ 0.039 χ^2 /NDF: 7107334.2/26

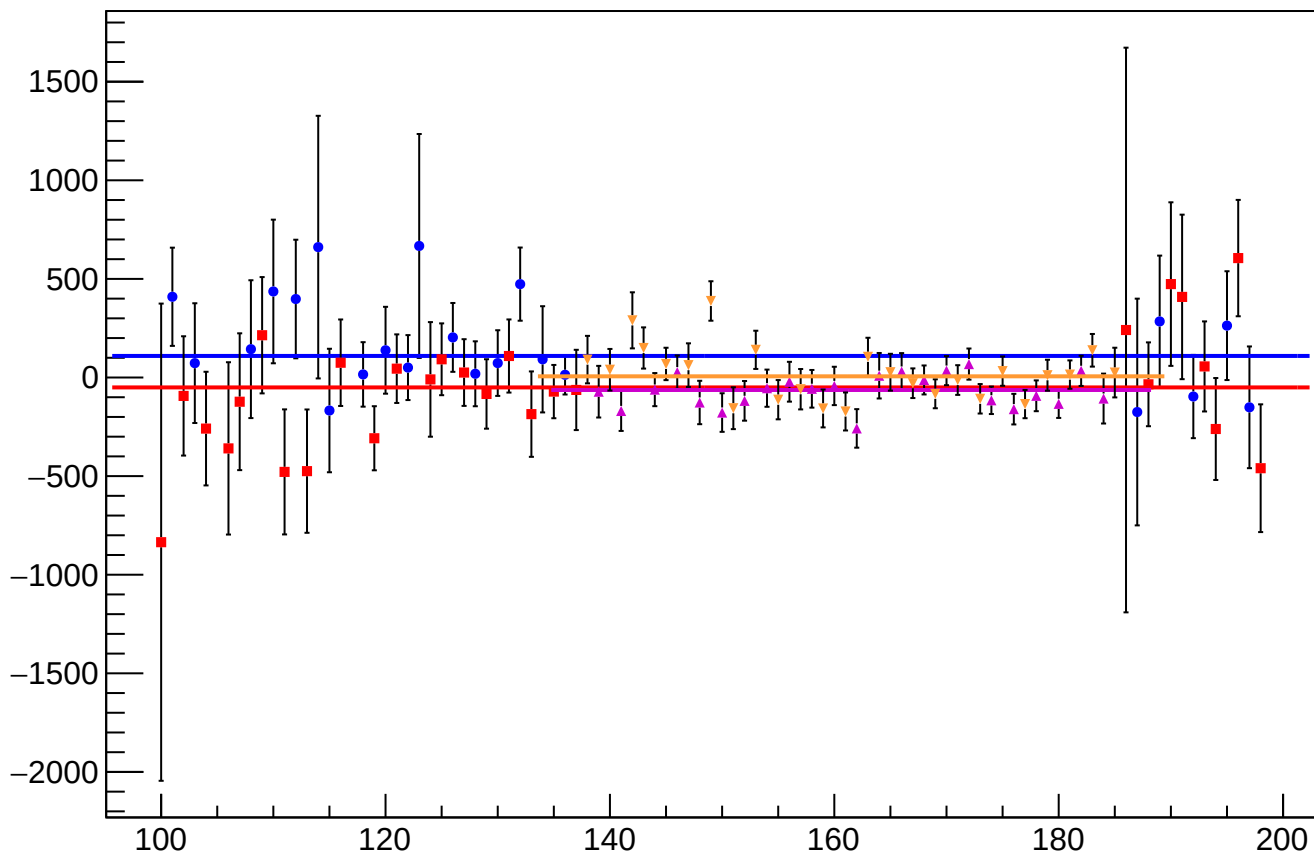
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 216.249 $\pm$ 0.034 χ^2 /NDF: 14461338.0/46

All: 215.949 $\pm$ 0.023 χ^2 /NDF: 28922174.5/96

- sign 215.669 $\pm$ 0.032 χ^2 /NDF: 14460682.9/49

reg_asym_sam_26_avg_mean vs Slug



Right In: 109.396 ± 46.068 χ^2/NDF : 14.0/21

Left Out: 6.020 ± 17.910 χ^2/NDF : 46.0/24

Right Out: -50.256 ± 45.243 χ^2/NDF : 21.4/26

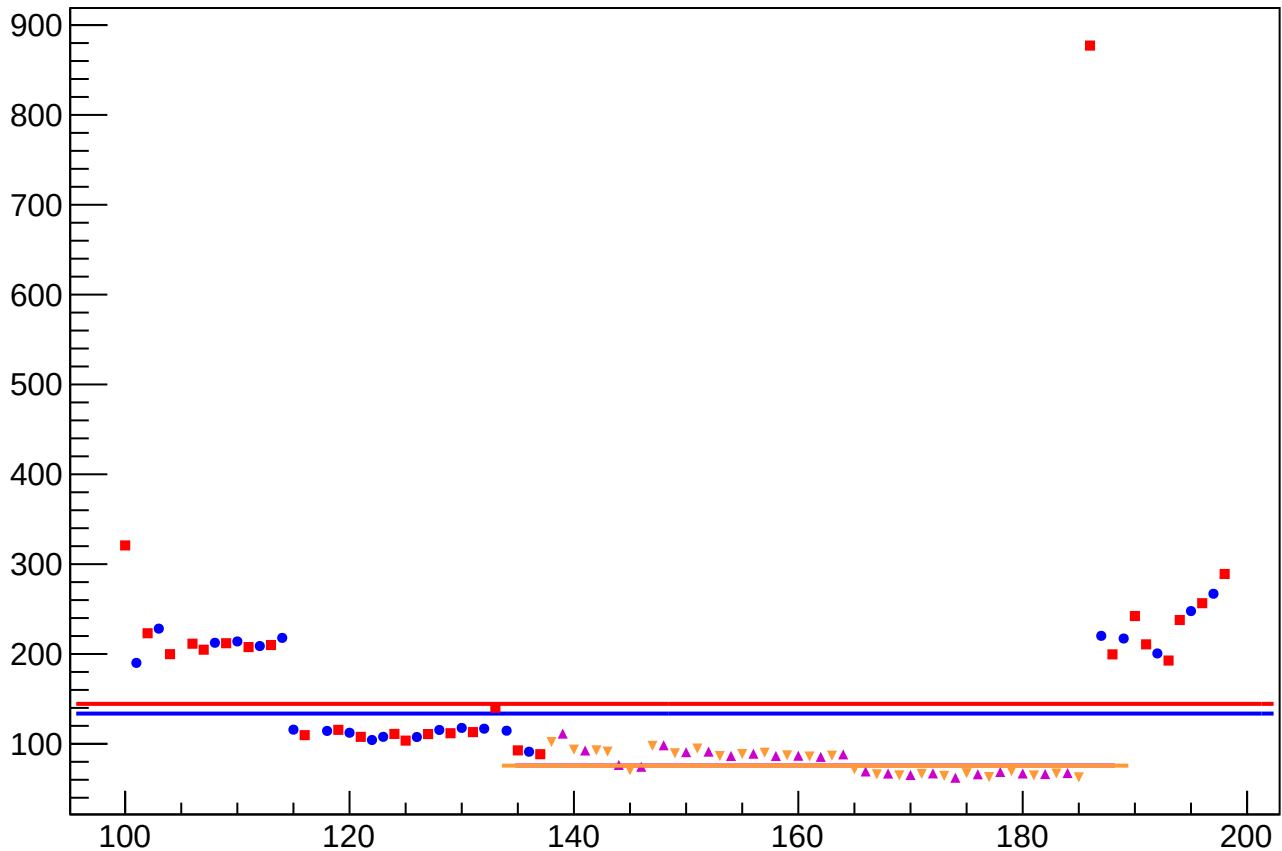
Left In: -63.279 ± 18.447 χ^2/NDF : 19.8/22

+ sign 19.593 ± 16.693 χ^2/NDF : 64.4/46

All: -19.983 ± 11.939 χ^2/NDF : 117.2/96

- sign -61.423 ± 17.081 χ^2/NDF : 41.3/49

reg_asym_sam_26_avg_rms vs Slug



Right In: 133.681 $\pm$ 0.033 χ^2 /NDF: 2336529.7/21

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF: 937821.8/24

+ sign 83.350 $\pm$ 0.012 χ^2 /NDF: 6022450.3/46

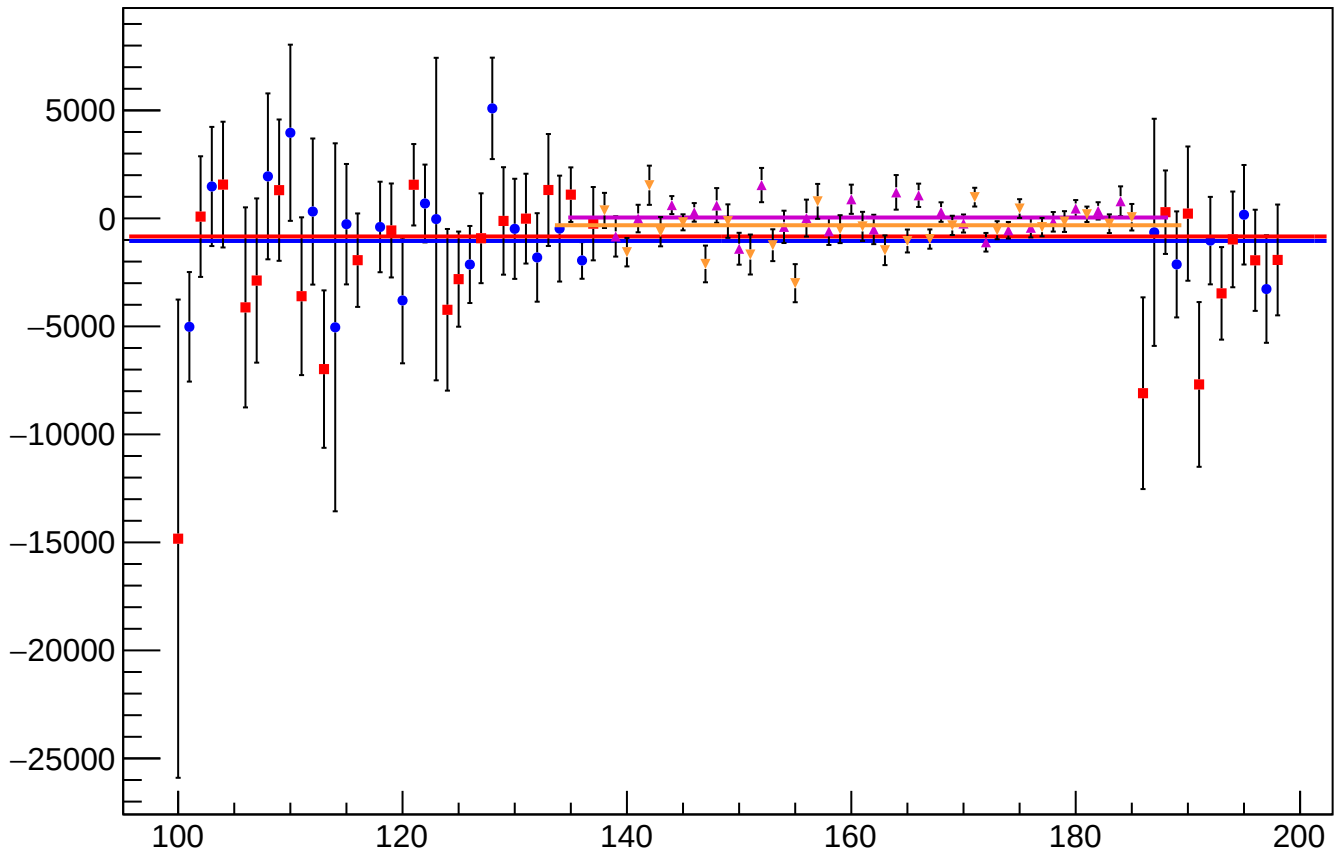
Right Out: 144.487 $\pm$ 0.032 χ^2 /NDF: 3469043.6/26

All: 84.490 $\pm$ 0.008 χ^2 /NDF: 14282034.2/96

- sign 85.685 $\pm$ 0.012 χ^2 /NDF: 8240473.2/49

Left In: 75.909 $\pm$ 0.013 χ^2 /NDF: 831366.4/22

asym_sam_26_avg_correction_mean vs Slug



Right In: -1045.677 ± 466.782 χ^2/NDF : 17.7/21

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -836.930 ± 466.679 χ^2/NDF : 22.2/26

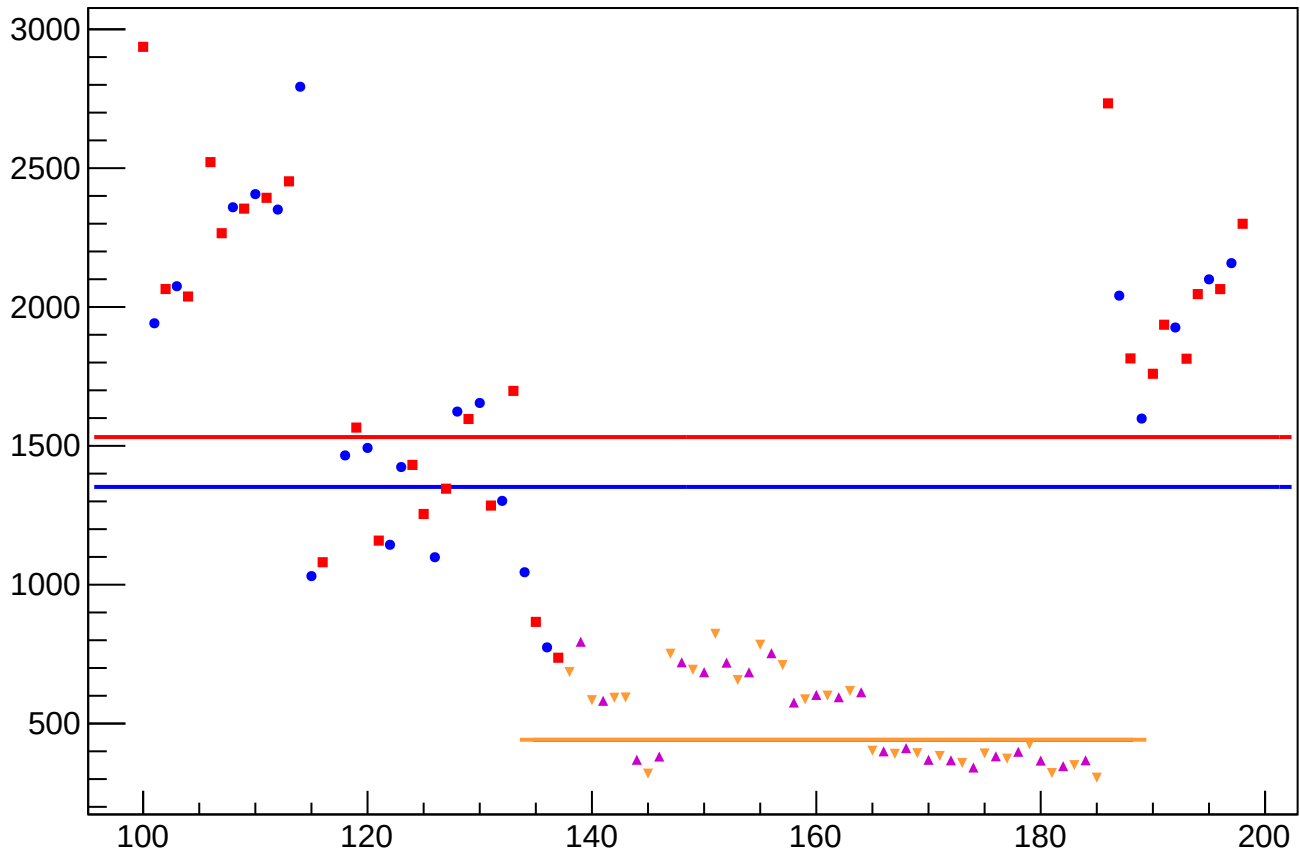
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -355.045 ± 105.233 χ^2/NDF : 70.0/46

All: -183.870 ± 75.131 χ^2/NDF : 135.7/96

- sign -5.909 ± 107.299 χ^2/NDF : 60.3/49

asym_sam_26_avg_correction_rms vs Slug



Right In: 1352.066+/-0.330 χ^2/NDF : 2509628.8/21

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

+ sign 487.954+/-0.074 χ^2/NDF : 12899716.8/46

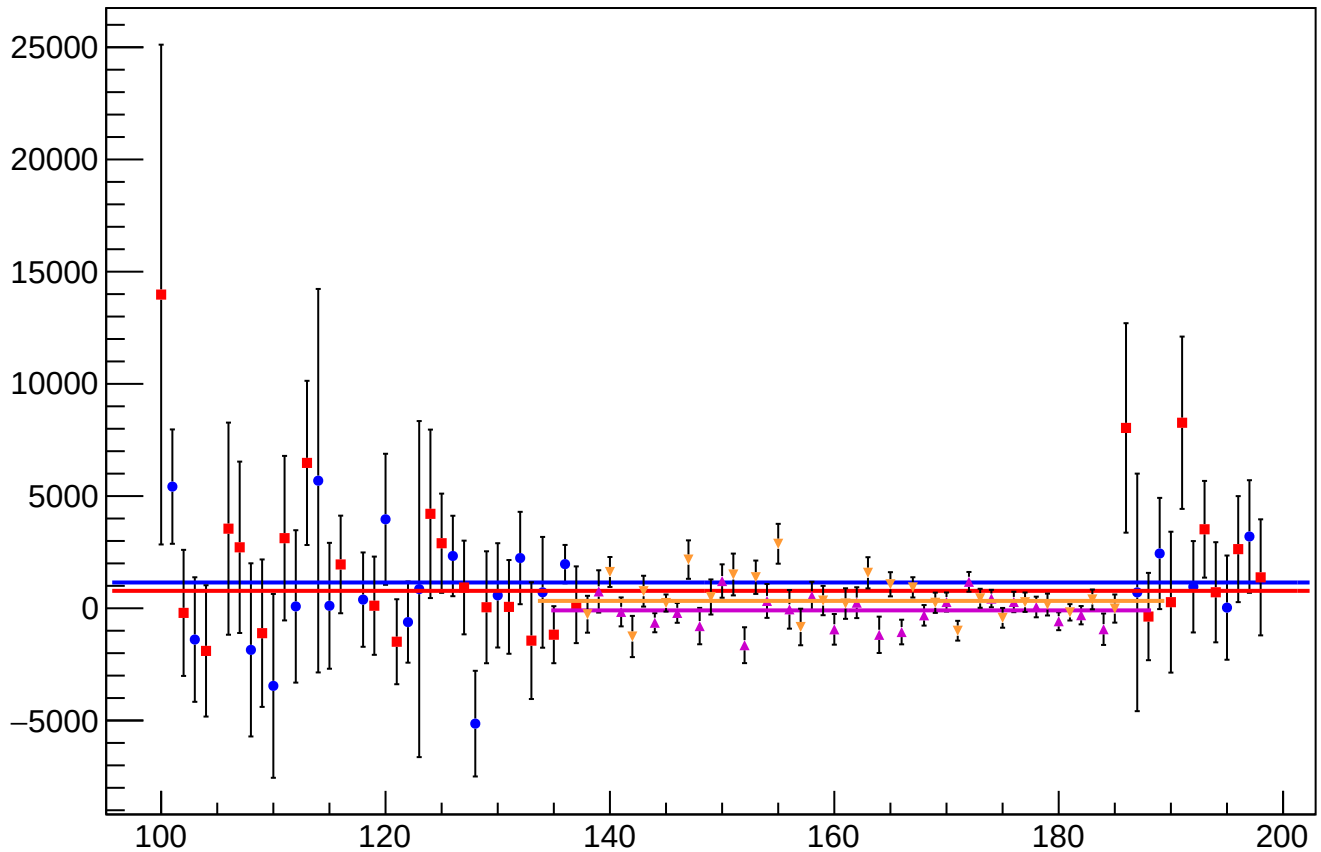
Right Out: 1531.673+/-0.330 χ^2/NDF : 2591240.3/26

All: 493.205+/-0.053 χ^2/NDF : 28444532.7/96

Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

- sign 498.665+/-0.076 χ^2/NDF : 15534658.9/49

asym_sam_26_avg_mean vs Slug



Right In: 1149.857+/-469.585 χ^2/NDF : 18.1/21

Left Out: 328.599+/-109.668 χ^2/NDF : 47.7/24

Right Out: 776.862+/-469.597 χ^2/NDF : 22.0/26

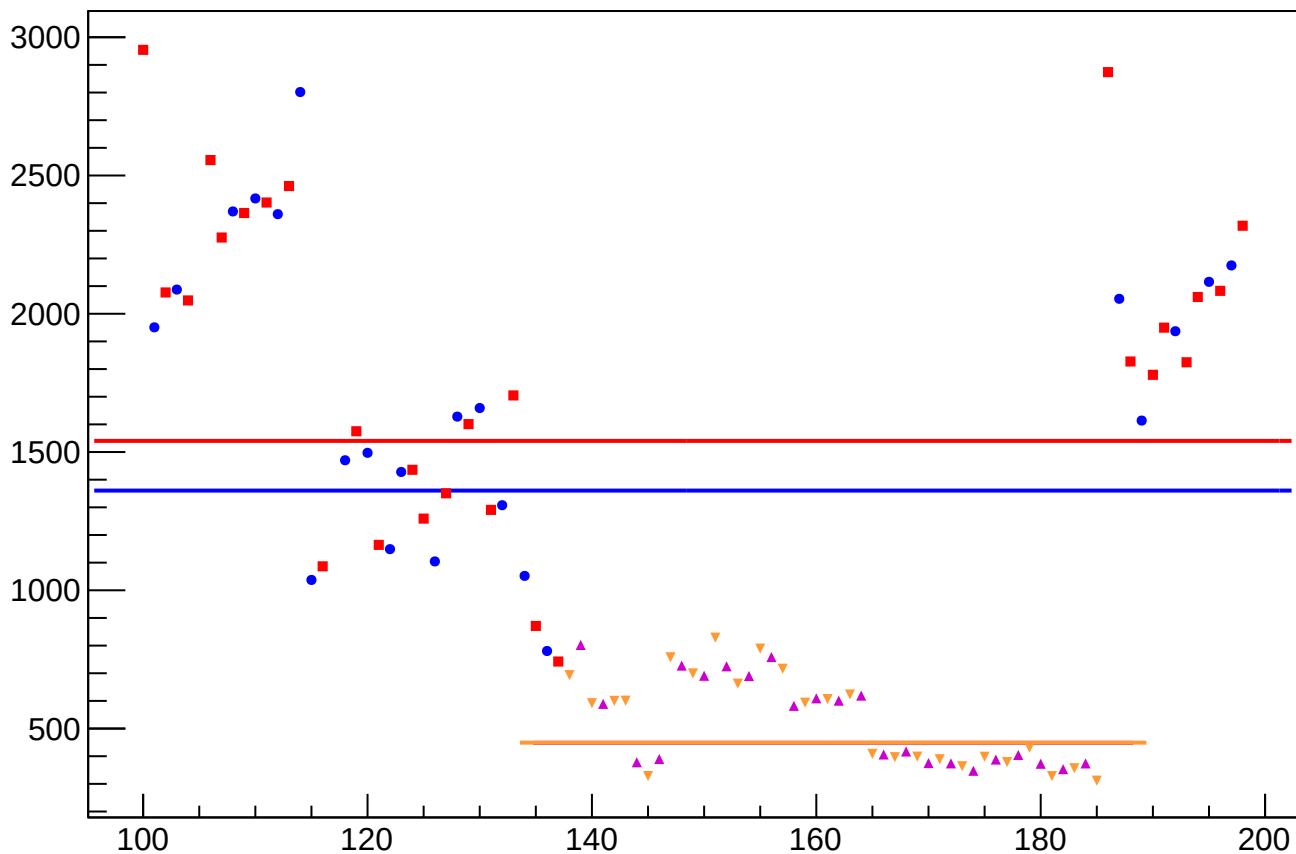
Left In: -93.310+/-111.960 χ^2/NDF : 33.3/22

+ sign 371.075+/-106.794 χ^2/NDF : 68.7/46

All: 166.374+/-76.251 χ^2/NDF : 134.8/96

- sign -46.508+/-108.907 χ^2/NDF : 58.6/49

asym_sam_26_avg_rms vs Slug



Right In: 1360.614+/-0.332 χ^2/NDF : 2499474.8/21

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1540.270+/-0.332 χ^2/NDF : 2611643.6/26

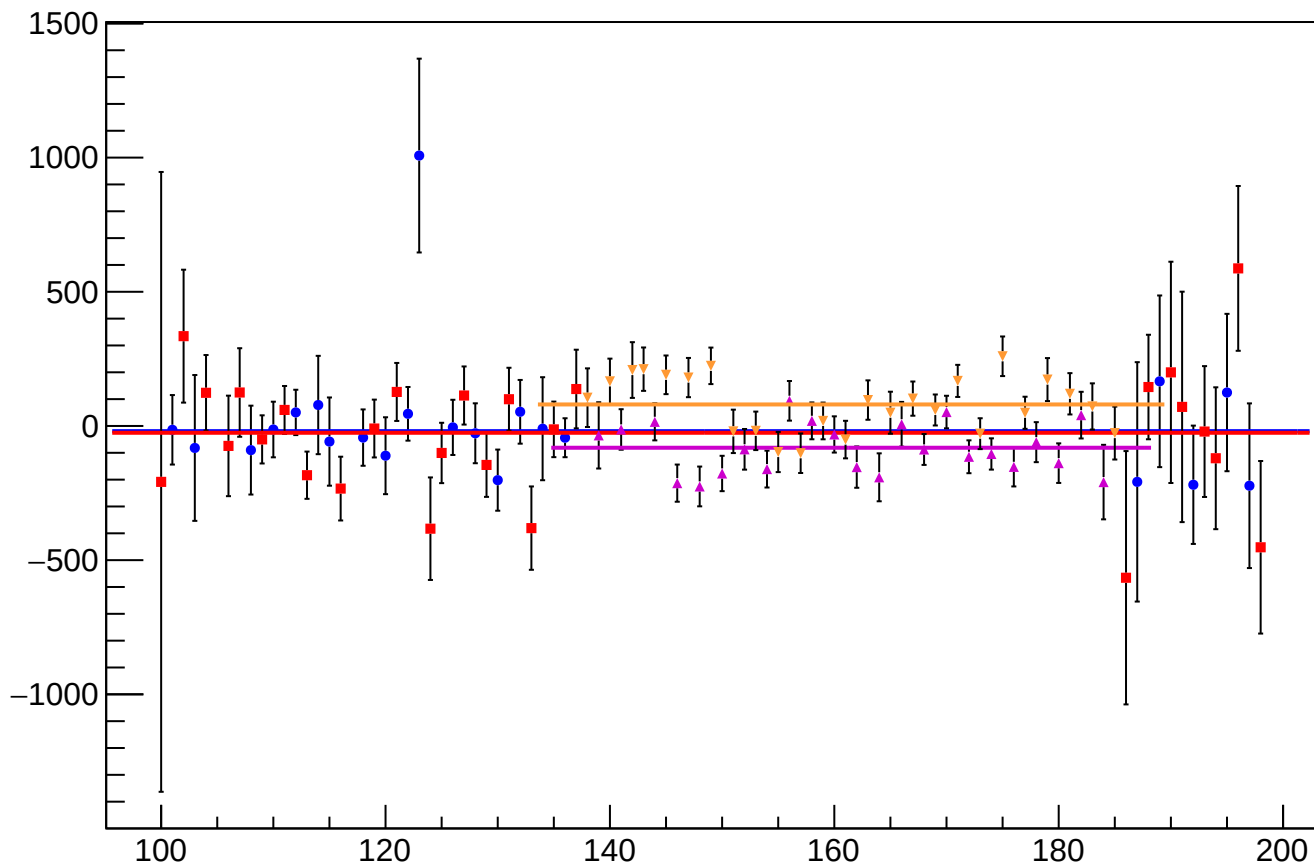
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 496.165+/-0.076 χ^2/NDF : 12737280.4/46

All: 501.495+/-0.054 χ^2/NDF : 28129053.3/96

- sign 507.038+/-0.077 χ^2/NDF : 15381609.9/49

reg_asym_sam_37_avg_mean vs Slug



Right In: -19.321 ± 28.234 $\chi^2/\text{NDF}: 15.3/21$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -25.342 ± 27.071 $\chi^2/\text{NDF}: 36.0/26$

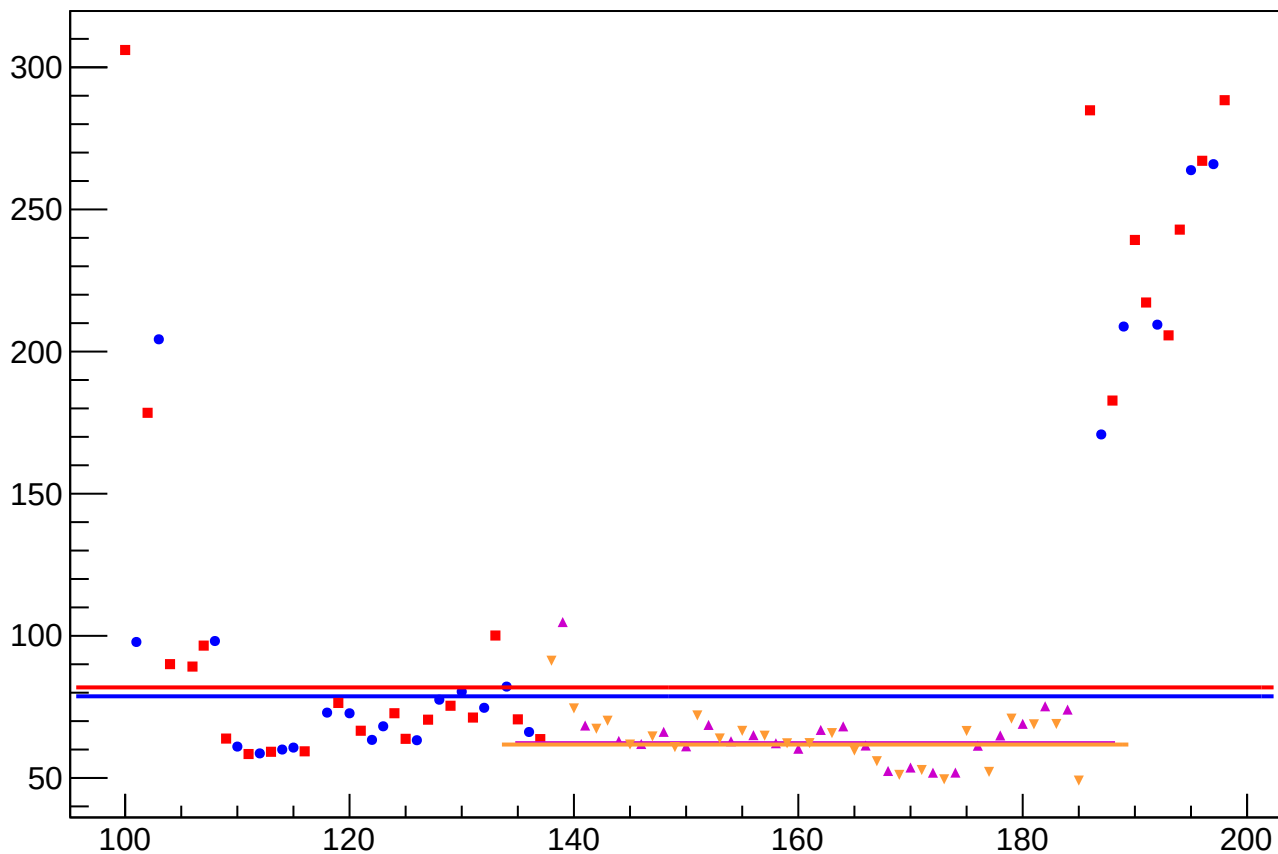
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 59.198 ± 12.963 $\chi^2/\text{NDF}: 73.7/46$

All: -3.247 ± 9.246 $\chi^2/\text{NDF}: 195.4/96$

- sign -67.904 ± 13.191 $\chi^2/\text{NDF}: 74.5/49$

reg_asym_sam_37_avg_rms vs Slug



Right In: 78.725 ± 0.020 χ^2/NDF : 3542803.4/21

Left Out: 61.761 ± 0.010 χ^2/NDF : 645535.0/24

Right Out: 81.862 ± 0.019 χ^2/NDF : 5265348.9/26

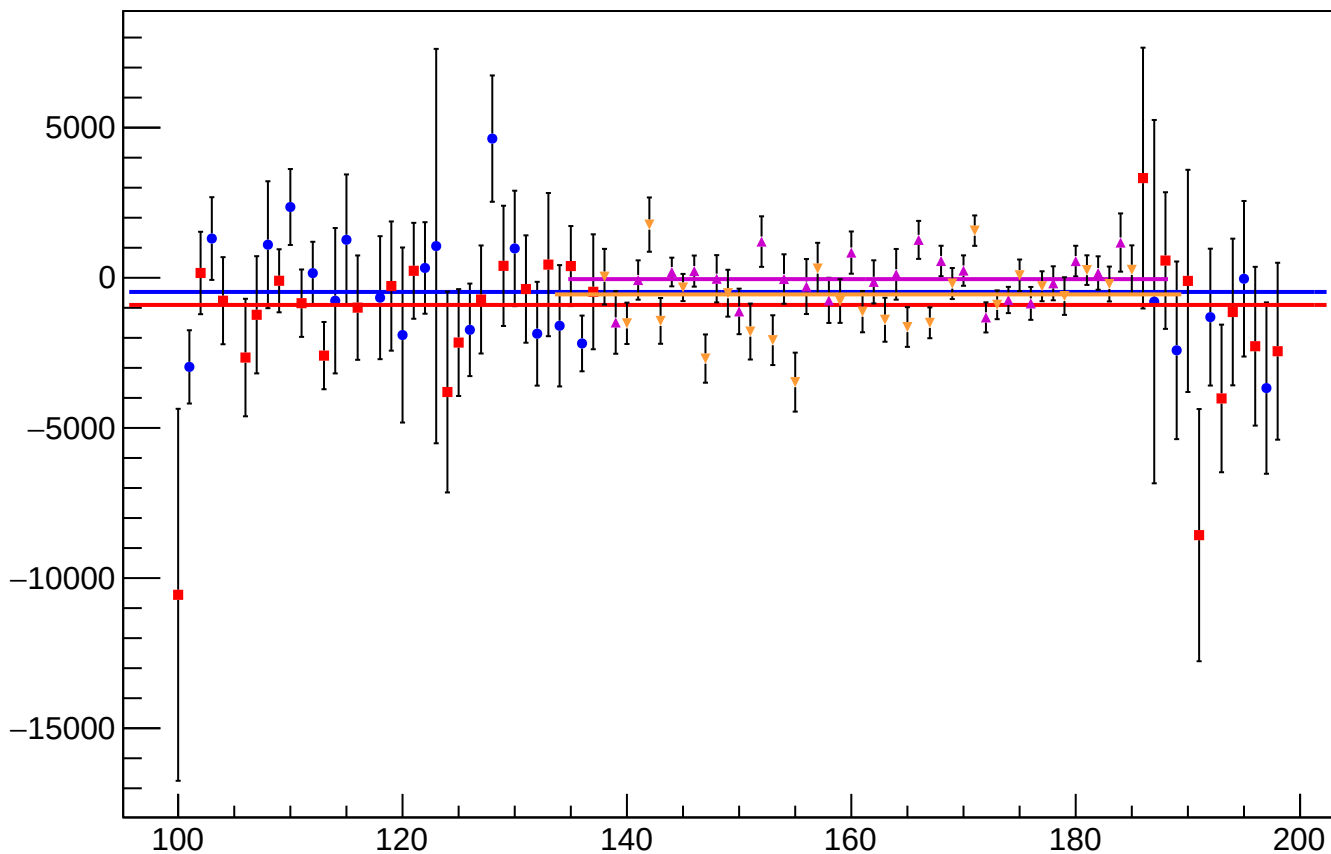
Left In: 62.250 ± 0.011 χ^2/NDF : 591085.1/22

+ sign 65.337 ± 0.009 χ^2/NDF : 4758144.5/46

All: 66.108 ± 0.007 χ^2/NDF : 11429439.3/96

- sign 66.906 ± 0.009 χ^2/NDF : 6656894.2/49

asym_sam_37_avg_correction_mean vs Slug



Right In: -471.375 $\pm$ 367.011 χ^2/NDF : 26.4/21

Left Out: -552.511 $\pm$ 126.981 χ^2/NDF : 65.3/24

Right Out: -904.040 $\pm$ 348.144 χ^2/NDF : 17.3/26

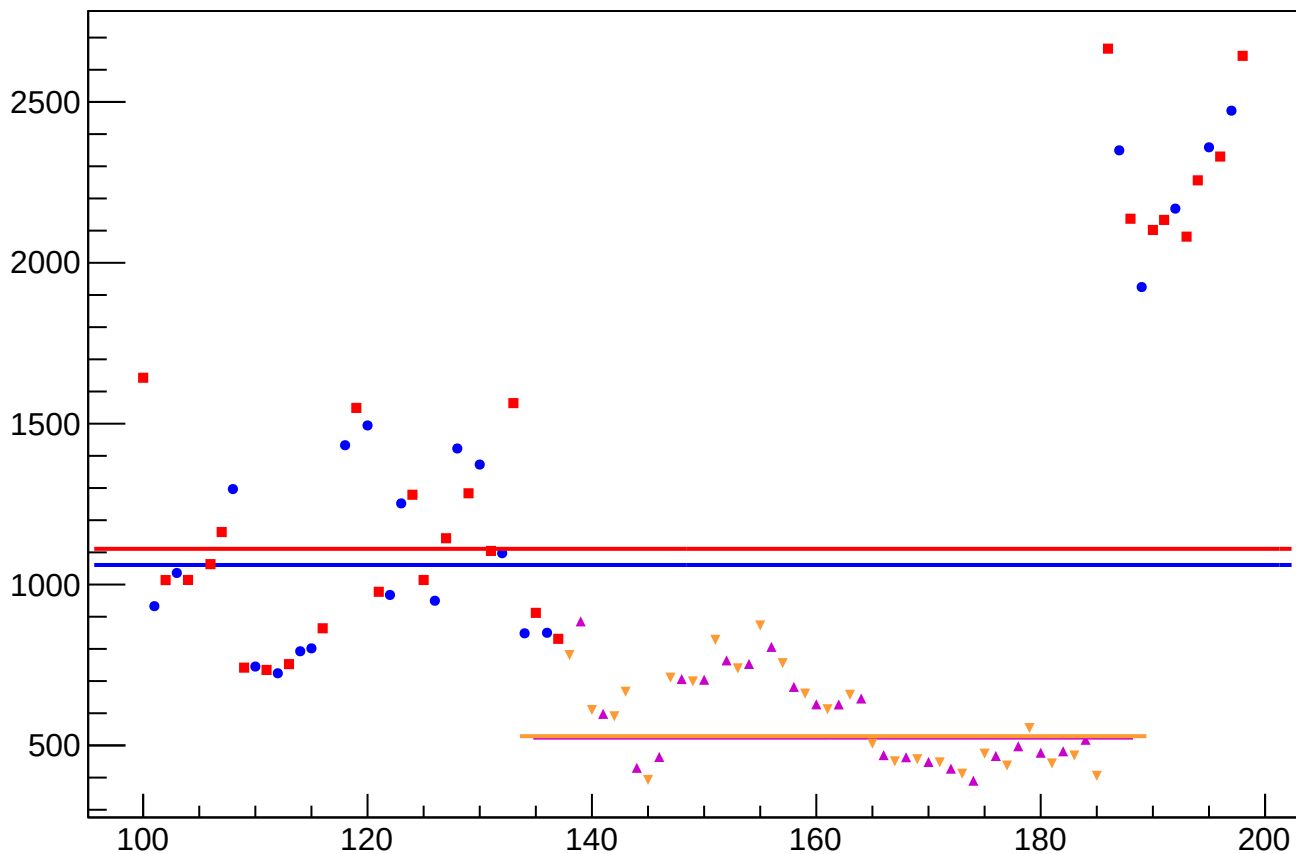
Left In: -44.578 $\pm$ 129.095 χ^2/NDF : 29.6/22

+ sign -543.836 $\pm$ 120.001 χ^2/NDF : 91.7/46

All: -347.858 $\pm$ 85.219 χ^2/NDF : 149.3/96

- sign -148.468 $\pm$ 121.041 χ^2/NDF : 52.2/49

asym_sam_37_avg_correction_rms vs Slug



Right In: 1060.808 ± 0.260 $\chi^2/\text{NDF}: 2527530.5/21$

Left Out: 528.736 ± 0.090 $\chi^2/\text{NDF}: 1983697.7/24$

Right Out: 1111.017 ± 0.246 $\chi^2/\text{NDF}: 3680086.7/26$

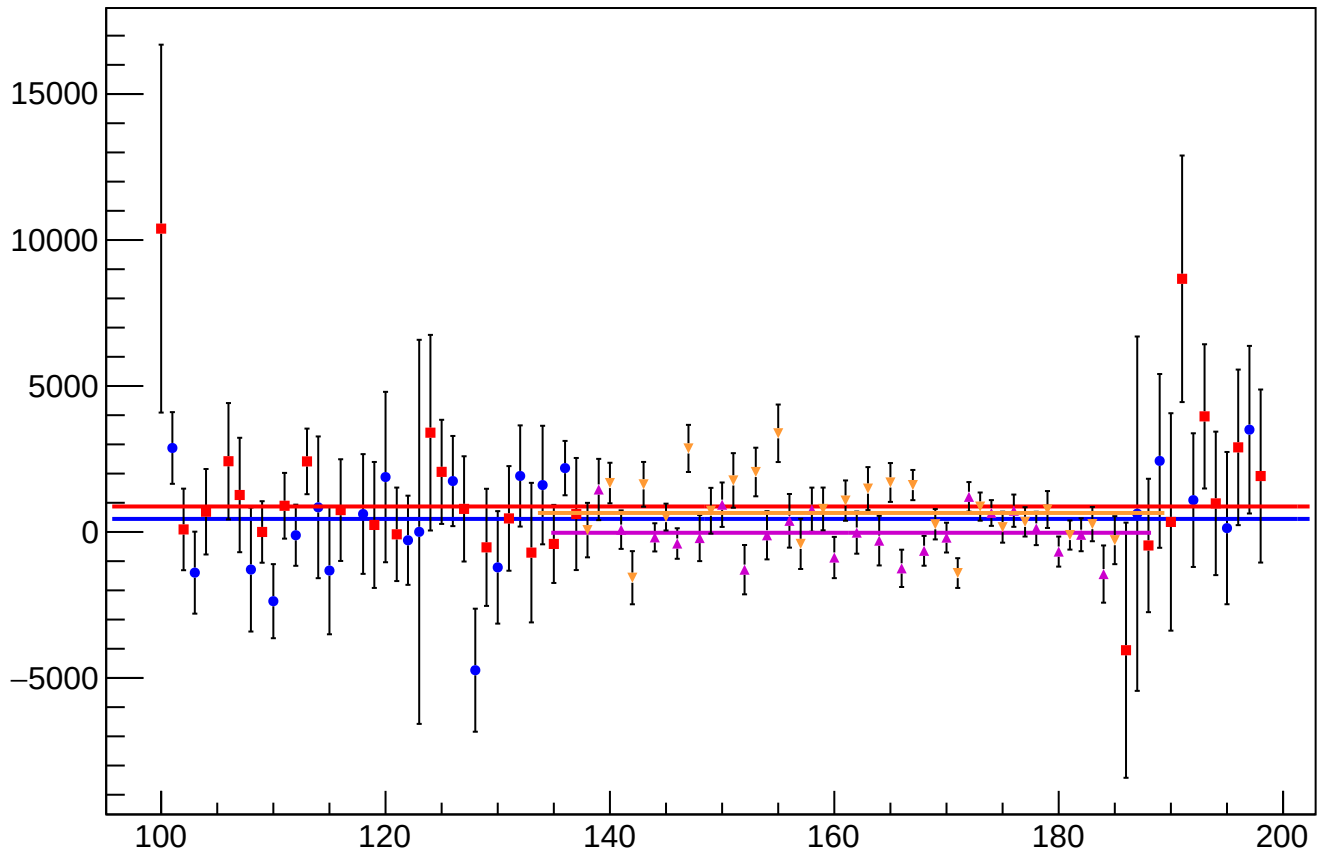
Left In: 524.268 ± 0.091 $\chi^2/\text{NDF}: 1716257.3/22$

+ sign 585.619 ± 0.085 $\chi^2/\text{NDF}: 8265356.3/46$

All: 590.365 ± 0.060 $\chi^2/\text{NDF}: 18662217.6/90$

- sign 595.193 ± 0.086 $\chi^2/\text{NDF}: 10390551.0/49$

asym_sam_37_avg_mean vs Slug



Right In: 447.306 ± 368.712 χ^2/NDF : 26.4/21

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 873.179 ± 349.934 χ^2/NDF : 16.5/26

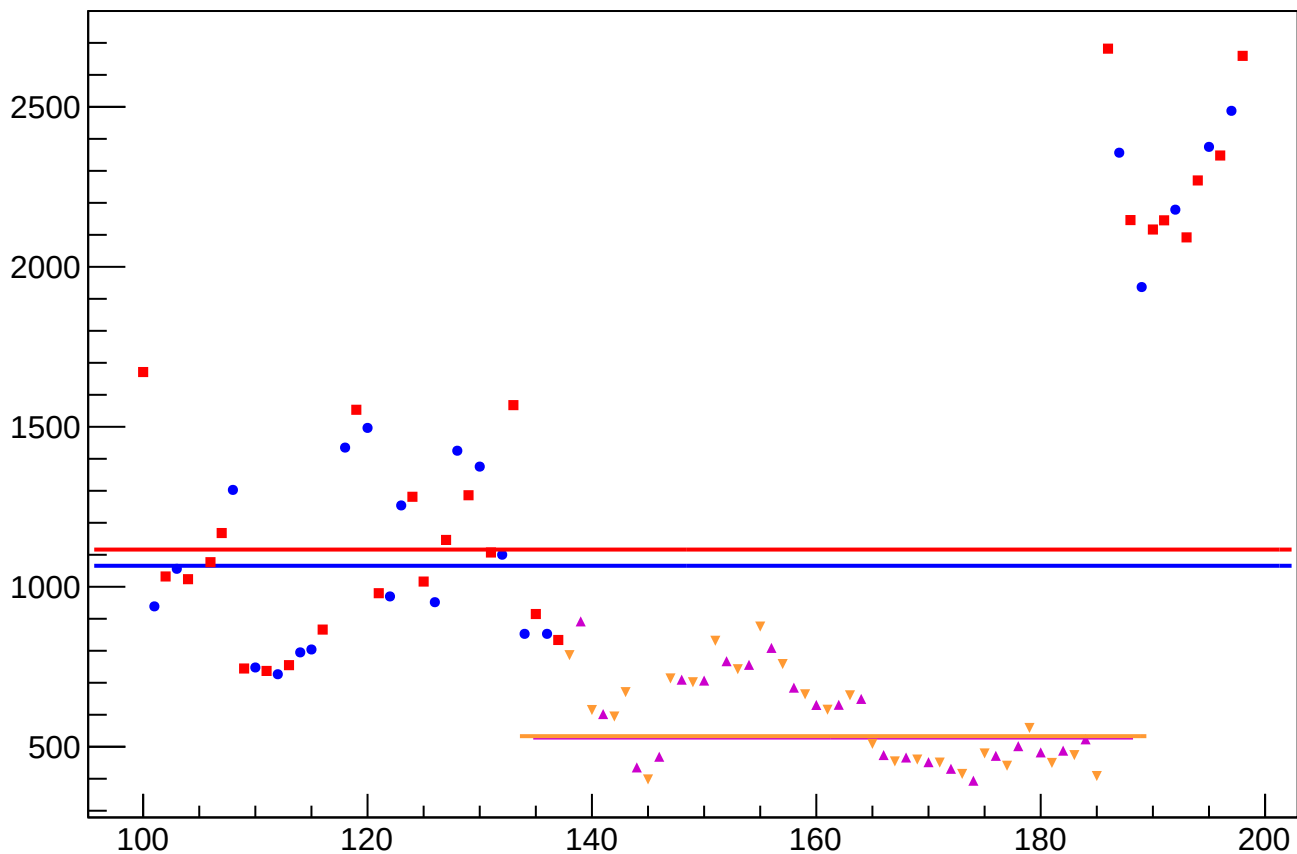
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 629.603 ± 120.888 χ^2/NDF : 87.8/46

All: 358.200 ± 85.860 χ^2/NDF : 148.7/96

- sign 81.931 ± 121.967 χ^2/NDF : 50.8/49

asym_sam_37_avg_rms vs Slug



Right In: 1065.622 $\pm$ 0.261 χ^2 /NDF: 2531128.2/21

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF: 1951536.4/24

Right Out: 1116.304 $\pm$ 0.247 χ^2 /NDF: 3688664.5/26

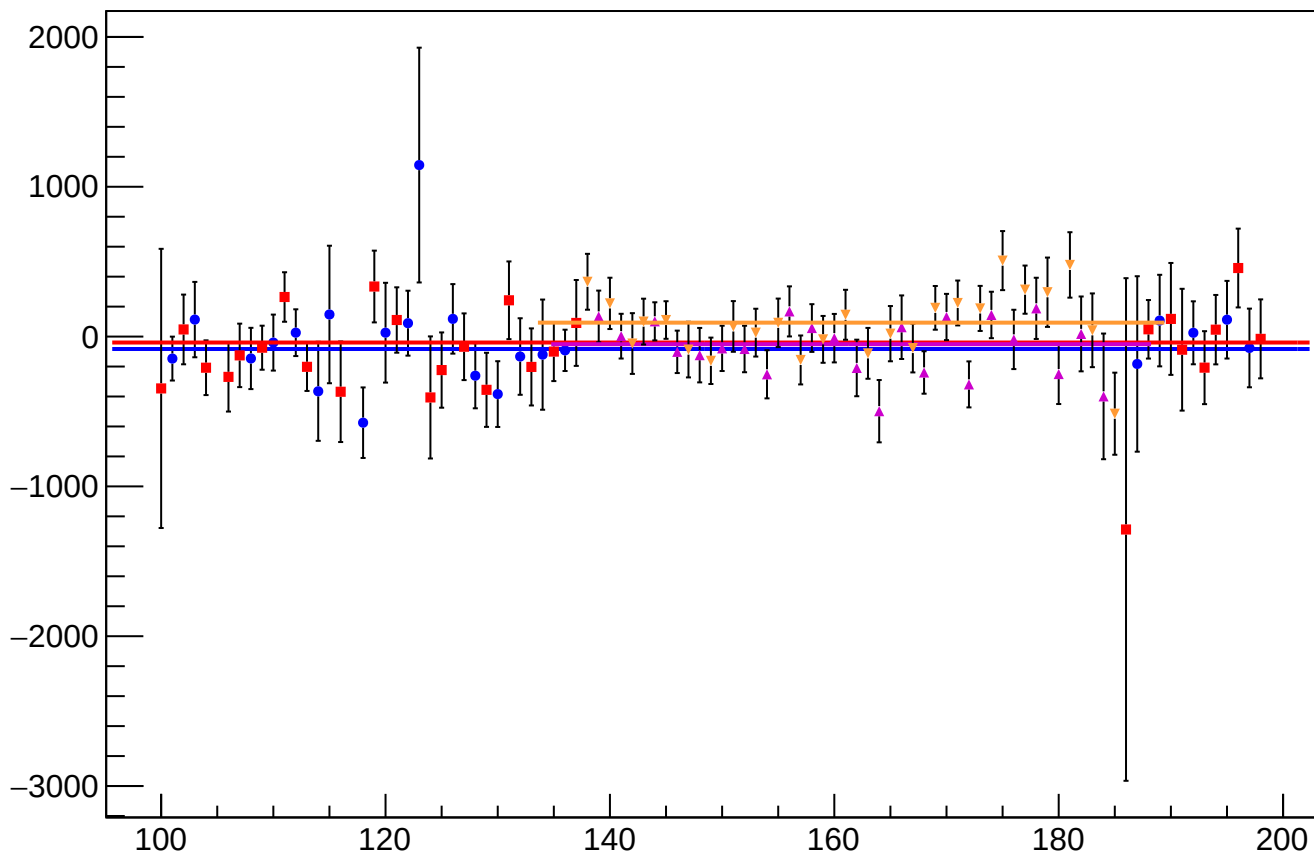
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF: 1688511.2/22

+ sign 590.308 $\pm$ 0.085 χ^2 /NDF: 8206631.8/46

All: 595.150 $\pm$ 0.061 χ^2 /NDF: 18544632.0/96

- sign 600.078 $\pm$ 0.086 χ^2 /NDF: 10331527.1/49

reg_asym_sam_48_avg_mean vs Slug



Right In: -82.933 ± 48.716 χ^2/NDF : 14.6/21

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: -39.695 ± 45.186 χ^2/NDF : 20.6/26

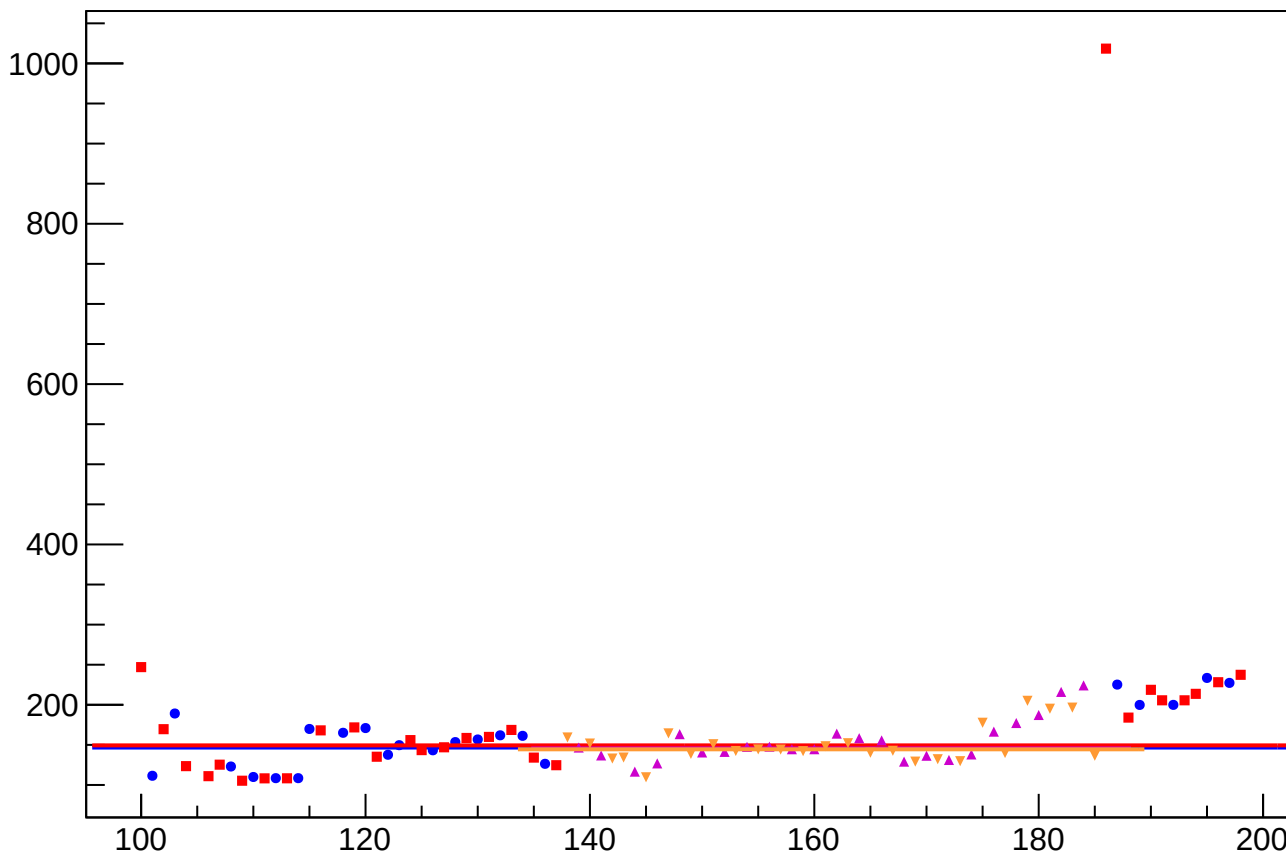
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 35.246 ± 27.911 χ^2/NDF : 52.8/46

All: -5.854 ± 19.699 χ^2/NDF : 101.2/96

- sign -46.654 ± 27.808 χ^2/NDF : 44.1/49

reg_asym_sam_48_avg_rms vs Slug



Right In: 146.680 $\pm$ 0.034 χ^2 /NDF: 1152760.5/21

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 149.372 $\pm$ 0.032 χ^2 /NDF: 2040317.2/26

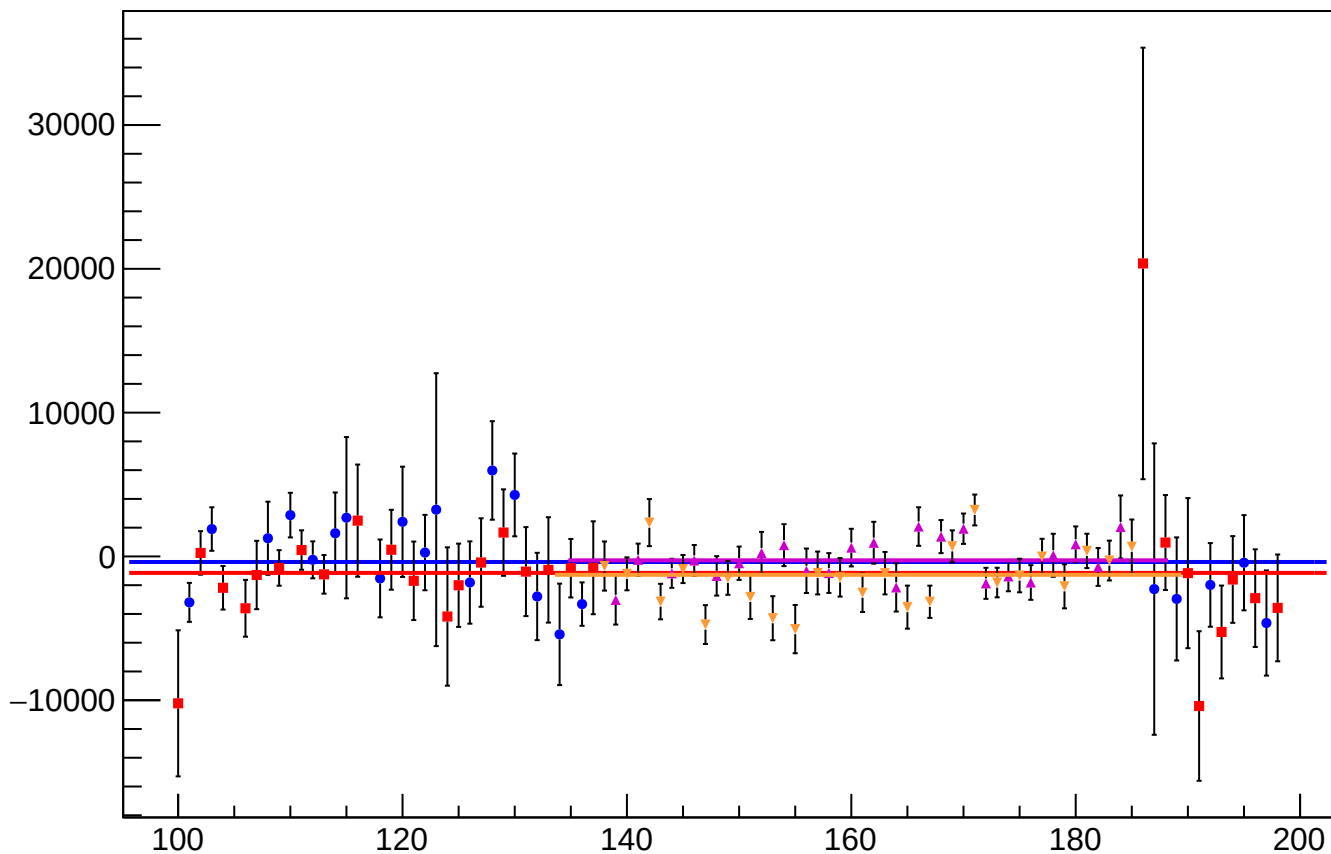
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 145.199 $\pm$ 0.020 χ^2 /NDF: 1826001.2/46

All: 146.097 $\pm$ 0.014 χ^2 /NDF: 4522930.1/96

- sign 146.988 $\pm$ 0.020 χ^2 /NDF: 2692805.8/49

asym_sam_48_avg_correction_mean vs Slug



Right In: -386.072 ± 501.371 χ^2/NDF : 27.9/21

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1145.592 ± 454.217 χ^2/NDF : 18.2/26

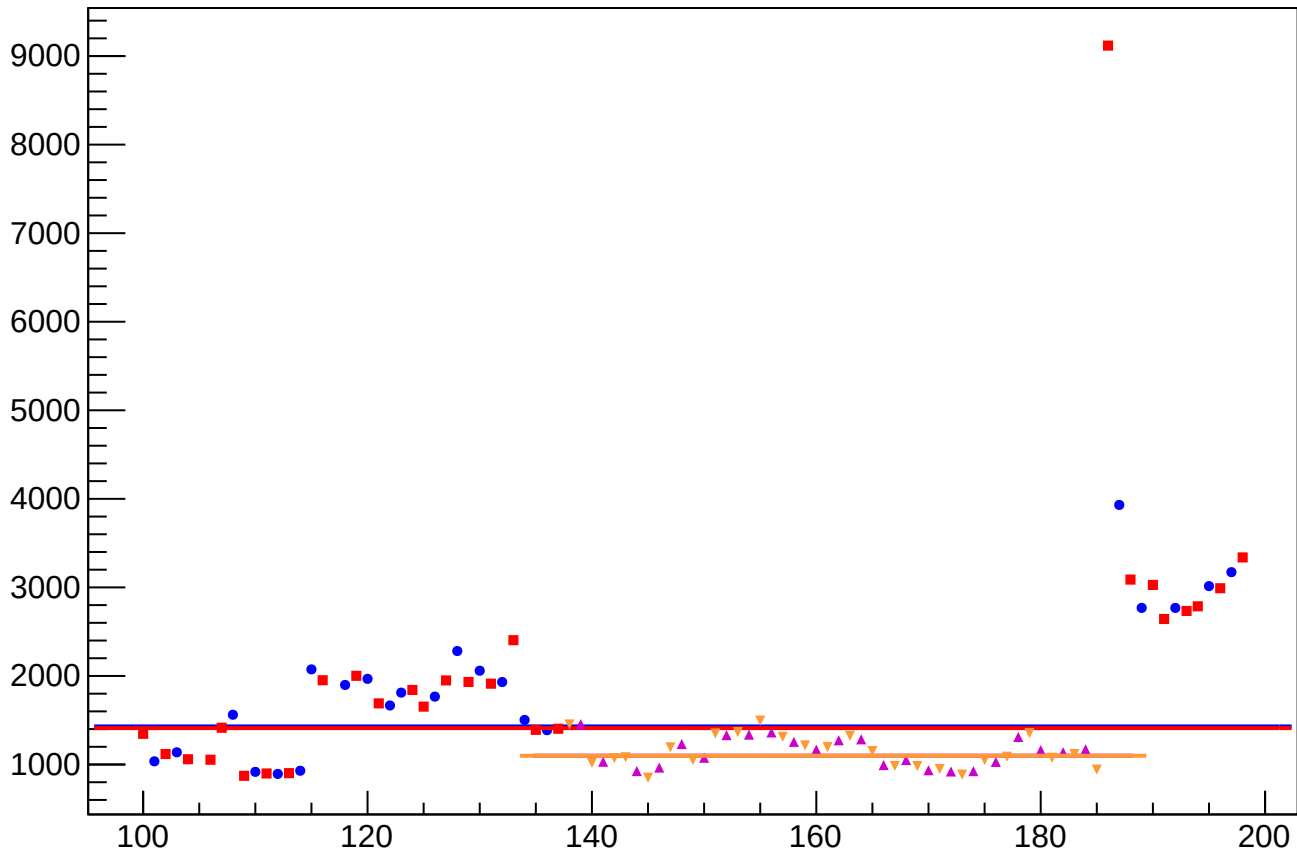
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1090.824 ± 230.320 χ^2/NDF : 86.4/46

All: -791.537 ± 162.639 χ^2/NDF : 135.0/96

- sign -493.874 ± 229.694 χ^2/NDF : 45.2/49

asym_sam_48_avg_correction_rms vs Slug



Right In: 1430.001 $\pm$ 0.355 χ^2 /NDF: 2979244.2/21

Left Out: 1098.909 $\pm$ 0.183 χ^2 /NDF: 824328.7/24

Right Out: 1410.874 $\pm$ 0.321 χ^2 /NDF: 4767298.5/26

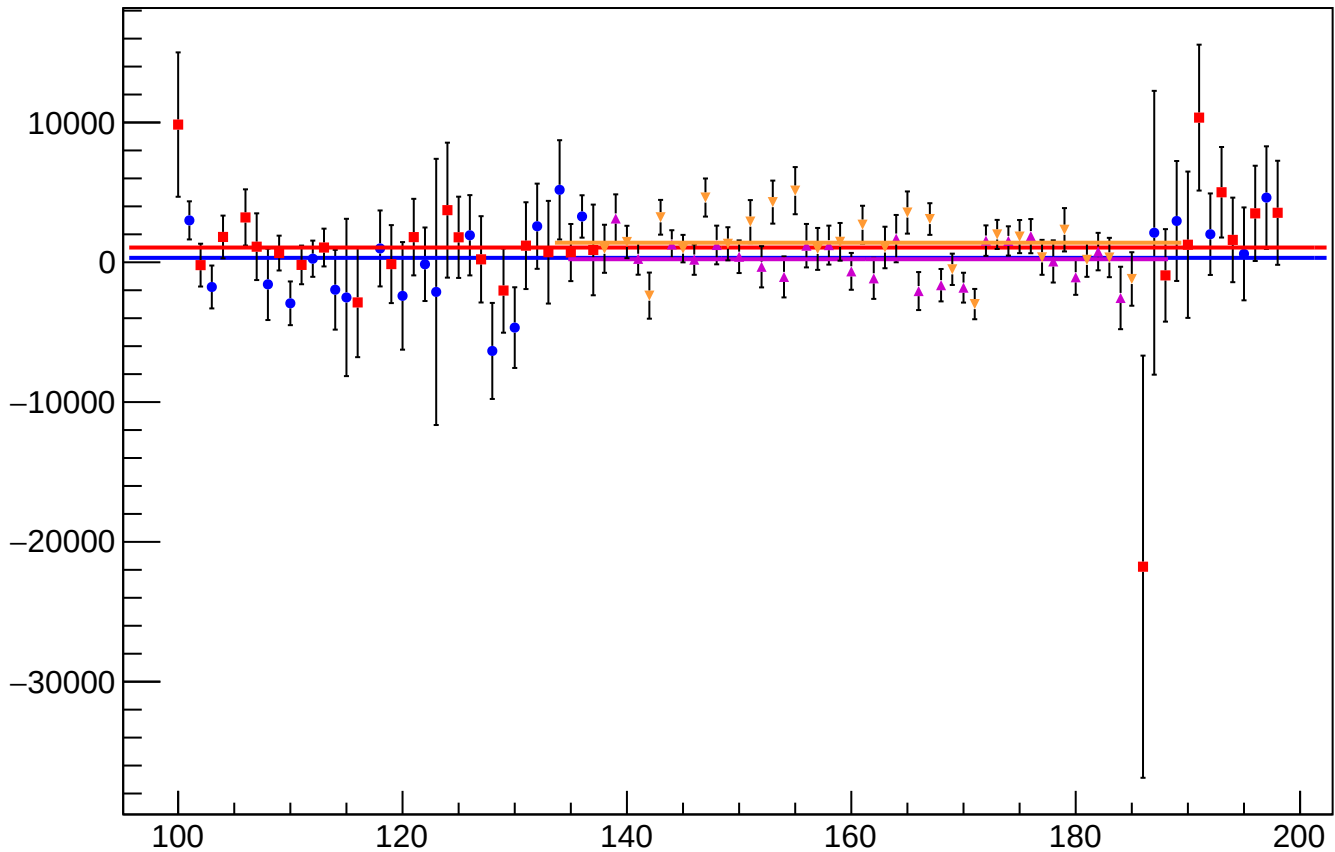
Left In: 1099.585 $\pm$ 0.188 χ^2 /NDF: 679896.1/22

+ sign 1168.779 $\pm$ 0.163 χ^2 /NDF: 4491703.3/46

All: 1173.998 $\pm$ 0.115 χ^2 /NDF: 10640086.5/50

- sign 1179.189 $\pm$ 0.162 χ^2 /NDF: 6146335.0/49

asym_sam_48_avg_mean vs Slug



Right In: 317.206 ± 504.472 χ^2/NDF : 27.6/21

Left Out: 1400.458 ± 261.804 χ^2/NDF : 52.2/24

Right Out: 1055.355 ± 457.455 χ^2/NDF : 17.0/26

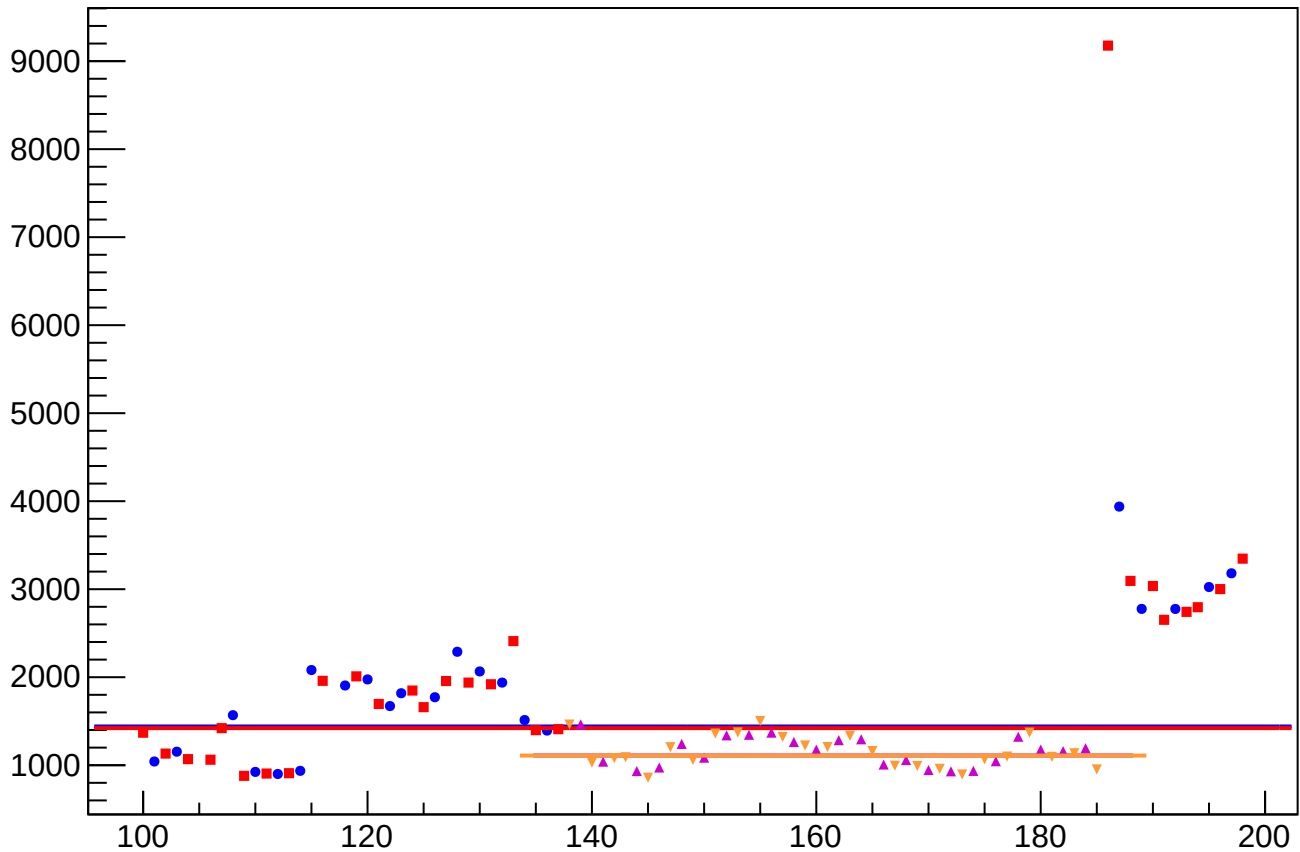
Left In: 219.393 ± 268.852 χ^2/NDF : 25.0/22

+ sign 1170.613 ± 232.375 χ^2/NDF : 83.4/46

All: 801.376 ± 164.105 χ^2/NDF : 132.9/96

- sign 434.010 ± 231.786 χ^2/NDF : 44.5/49

asym_sam_48_avg_rms vs Slug



Right In: 1440.028+/-0.357 χ^2/NDF : 2953646.3/21

Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24

Right Out: 1421.985+/-0.323 χ^2/NDF : 4729281.4/26

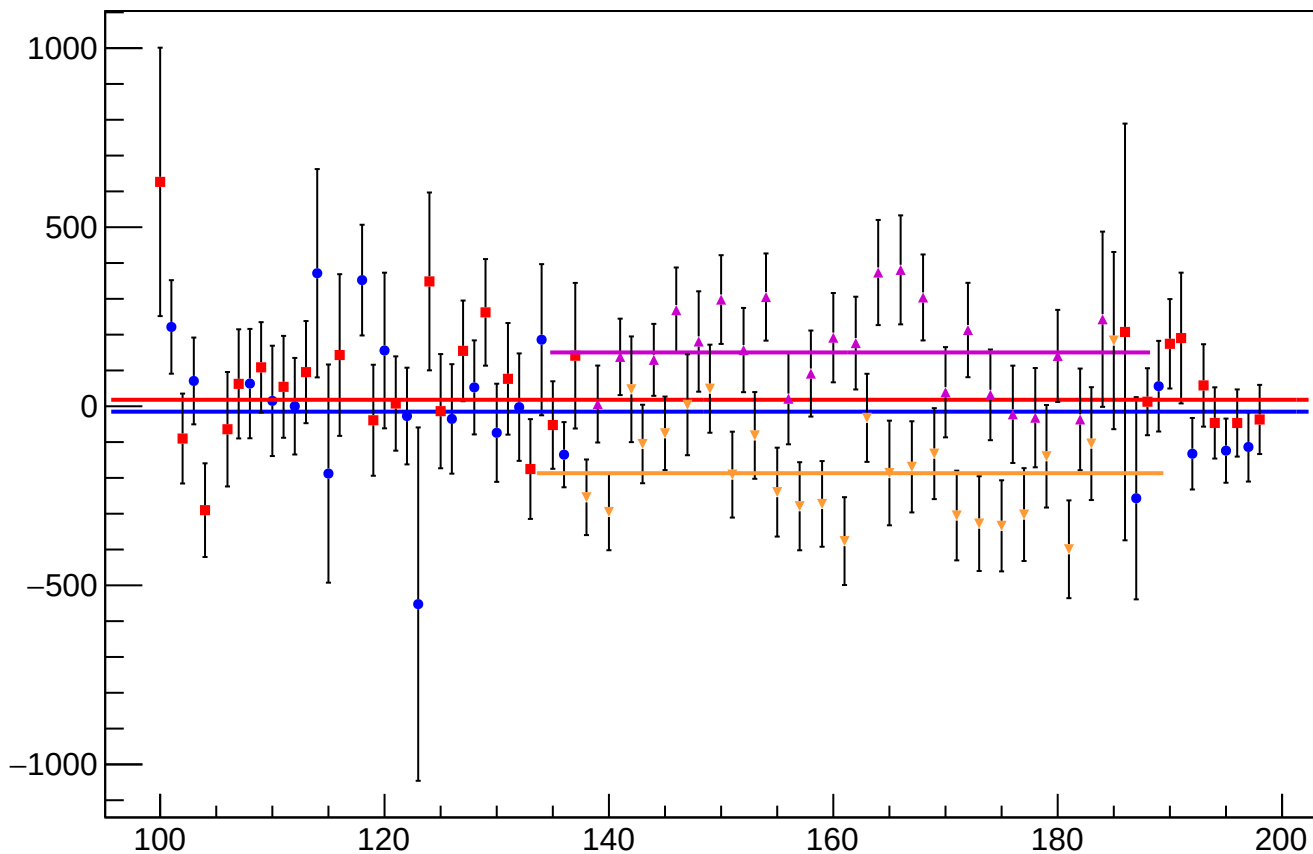
Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

+ sign 1179.838+/-0.164 χ^2/NDF : 4441147.1/46

All: 1185.182+/-0.116 χ^2/NDF : 10531495.1/95

- sign 1190.499+/-0.164 χ^2/NDF : 6088237.9/49

reg_asym_sam_15_dd_mean vs Slug



Right In: -15.071 ± 29.358 $\chi^2/\text{NDF}: 21.7/21$

Left Out: -186.838 ± 25.308 $\chi^2/\text{NDF}: 26.6/24$

Right Out: 18.140 ± 26.390 $\chi^2/\text{NDF}: 22.7/26$

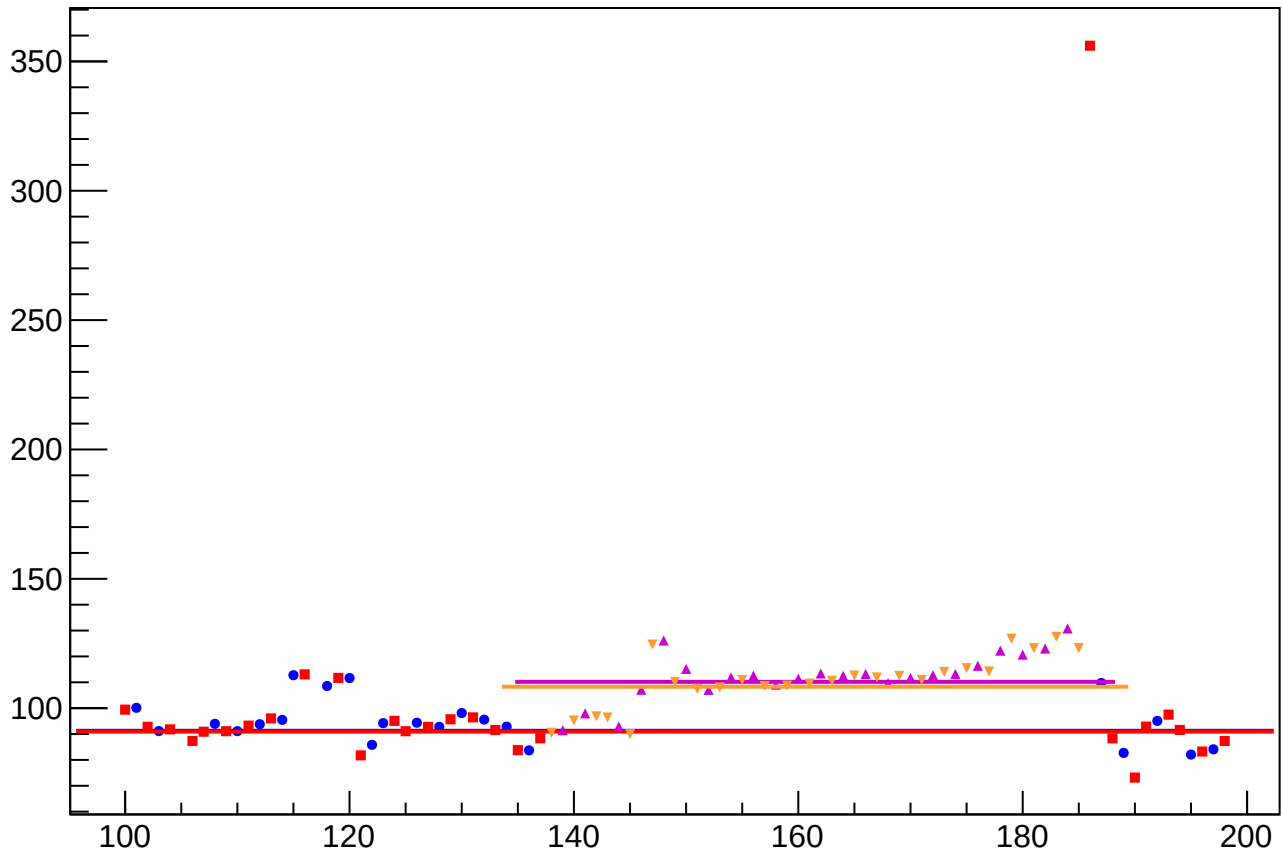
Left In: 150.315 ± 26.445 $\chi^2/\text{NDF}: 20.7/22$

+ sign -113.610 ± 19.169 $\chi^2/\text{NDF}: 68.0/46$

All: -12.207 ± 13.378 $\chi^2/\text{NDF}: 178.5/96$

- sign 84.091 ± 18.680 $\chi^2/\text{NDF}: 55.9/49$

reg_asym_sam_15_dd_rms vs Slug



Right In: 91.245 $\pm$ 0.021 χ^2 /NDF: 141360.1/21

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 90.958 $\pm$ 0.019 χ^2 /NDF: 563591.7/26

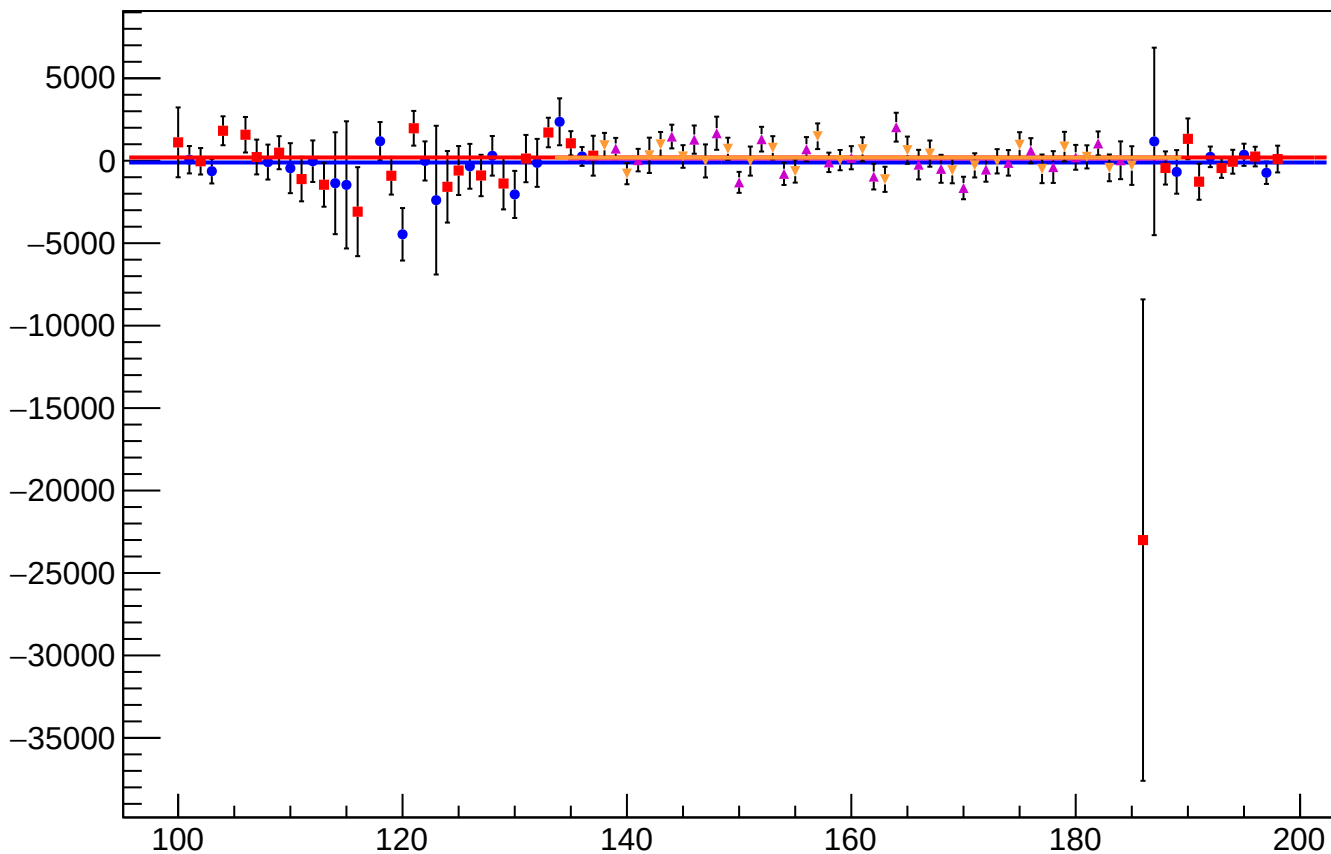
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 101.022 $\pm$ 0.014 χ^2 /NDF: 858683.9/46

All: 100.778 $\pm$ 0.009 χ^2 /NDF: 2198903.1/96

- sign 100.546 $\pm$ 0.013 χ^2 /NDF: 1339586.5/49

asym_sam_15_dd_correction_mean vs Slug



Right In: -106.826 ± 220.346 χ^2/NDF : 17.1/21

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 198.295 ± 195.152 χ^2/NDF : 27.0/26

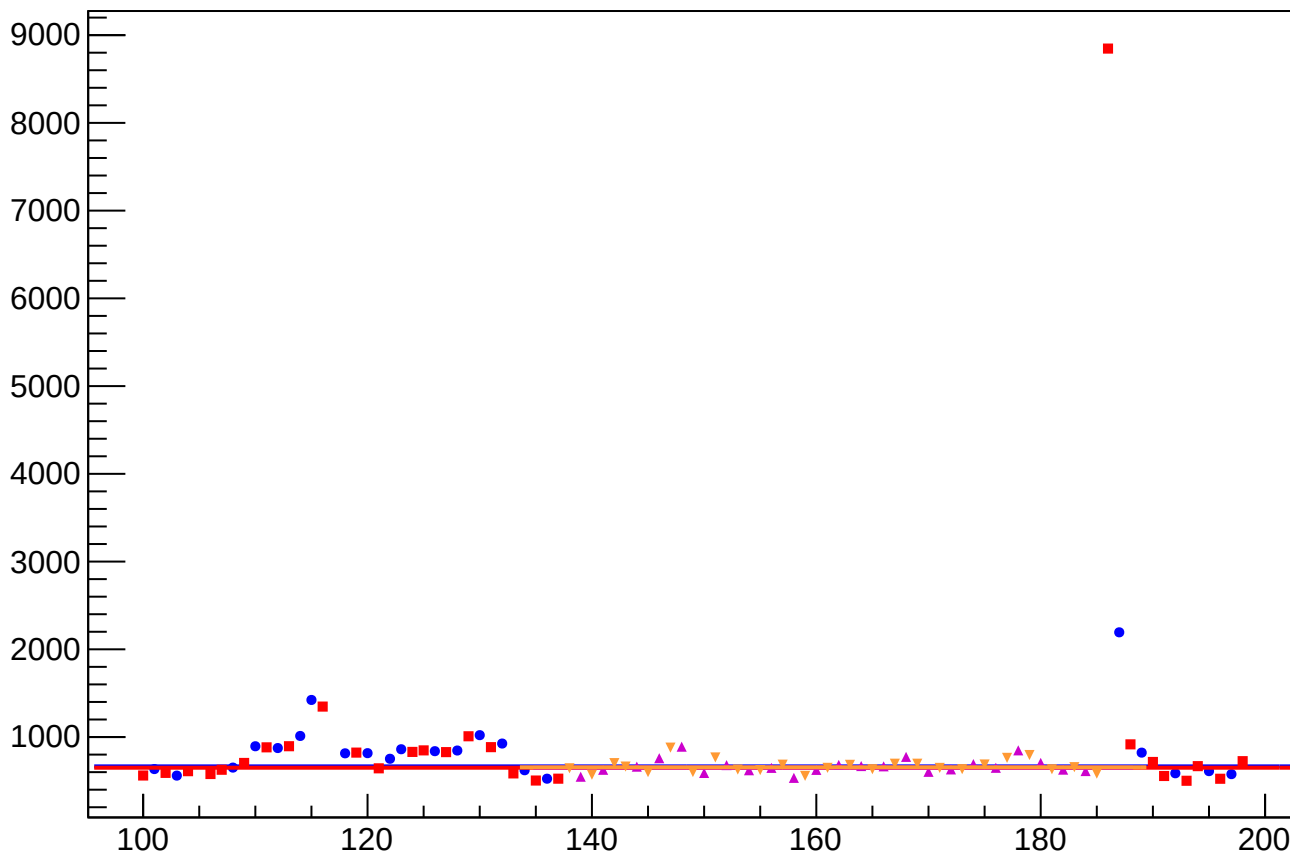
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 89.762 ± 126.052 χ^2/NDF : 36.7/46

All: 123.920 ± 87.813 χ^2/NDF : 100.1/96

- sign 156.127 ± 122.401 χ^2/NDF : 63.2/49

asym_sam_15_dd_correction_rms vs Slug



Right In: 665.812 $\pm$ 0.156 χ^2 /NDF: 951062.9/21

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 650.505 $\pm$ 0.138 χ^2 /NDF: 1720946.5/26

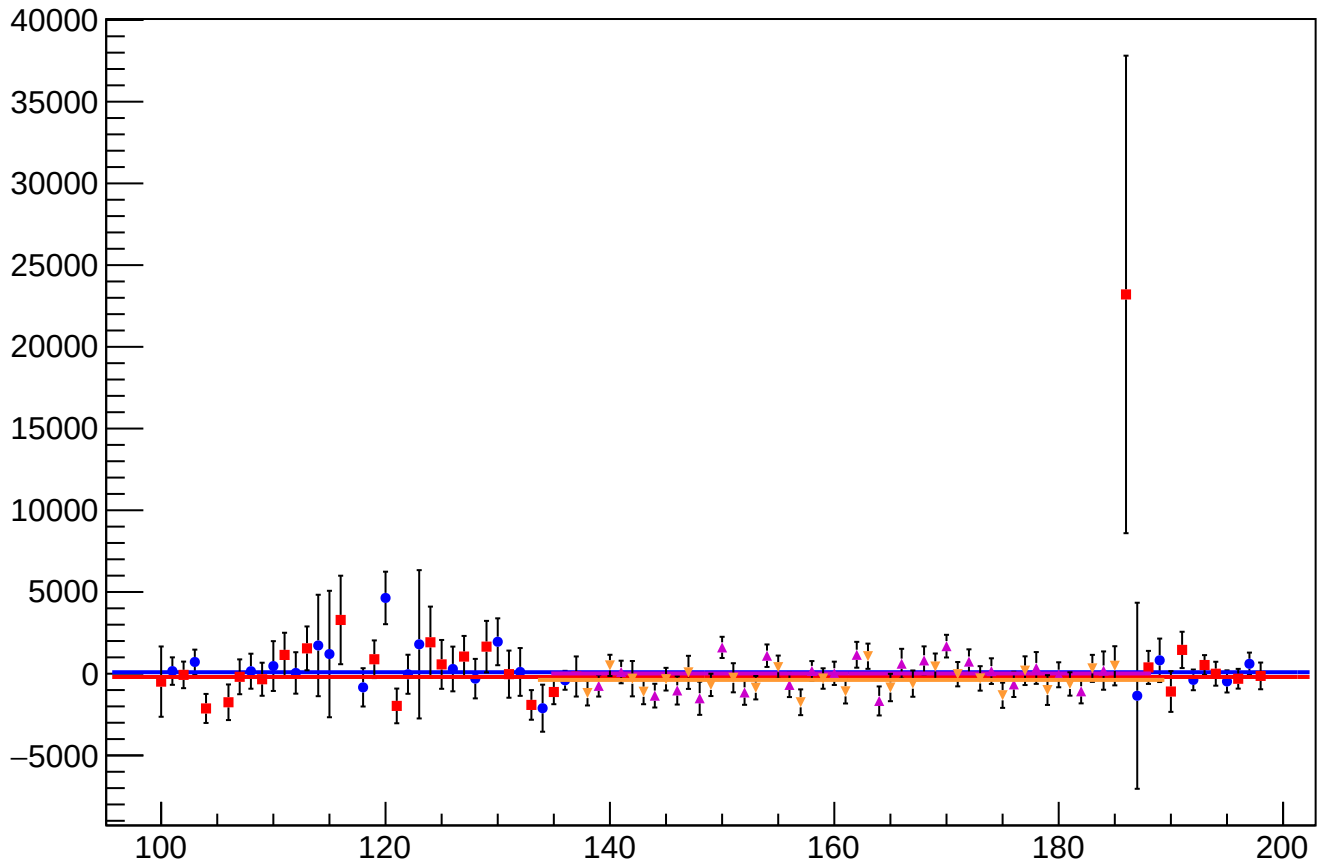
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 658.643 $\pm$ 0.089 χ^2 /NDF: 1321560.1/46

All: 654.572 $\pm$ 0.062 χ^2 /NDF: 3512680.1/96

- sign 650.734 $\pm$ 0.087 χ^2 /NDF: 2187067.9/49

asym_sam_15_dd_mean vs Slug



Right In: 90.427 ± 222.649 χ^2/NDF : 17.0/21

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -200.104 ± 197.348 χ^2/NDF : 30.7/26

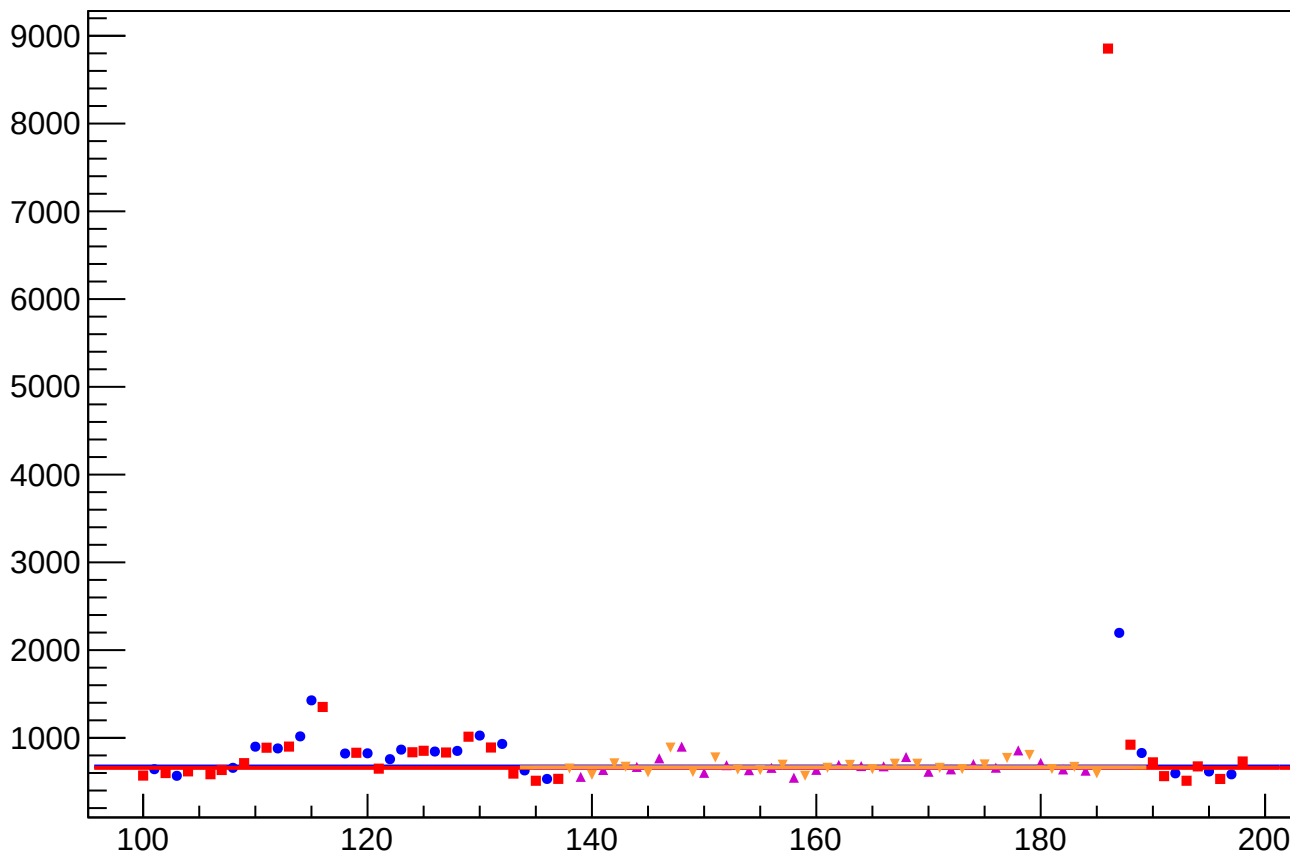
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -224.890 ± 127.702 χ^2/NDF : 38.8/46

All: -145.275 ± 88.982 χ^2/NDF : 108.1/96

- sign -70.140 ± 124.056 χ^2/NDF : 68.6/49

asym_sam_15_dd_rms vs Slug



Right In: 673.302 $\pm$ 0.157 χ^2 /NDF: 929476.1/21

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 658.500 $\pm$ 0.140 χ^2 /NDF: 1686528.6/26

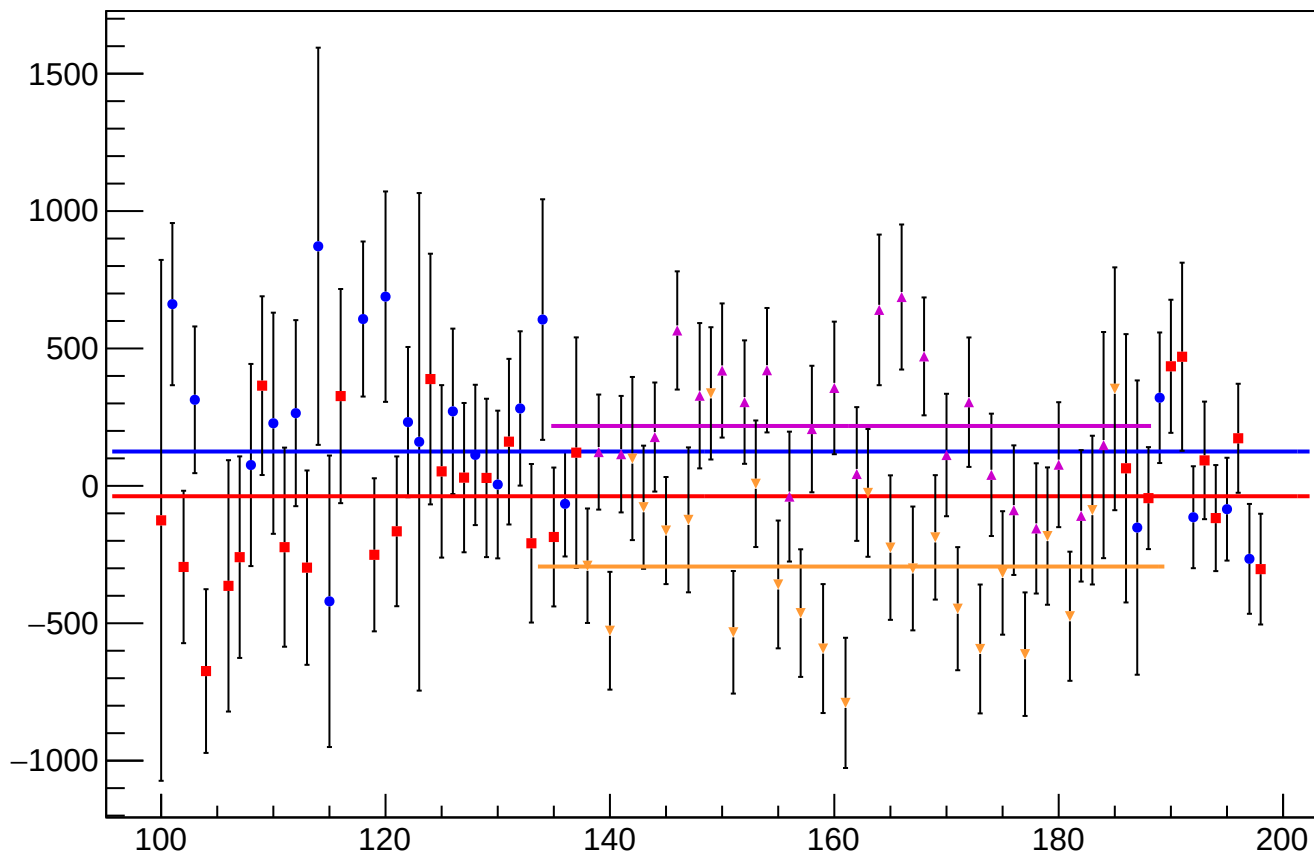
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 667.578 $\pm$ 0.090 χ^2 /NDF: 1288499.4/46

All: 663.652 $\pm$ 0.063 χ^2 /NDF: 3428061.2/96

- sign 659.946 $\pm$ 0.088 χ^2 /NDF: 2135886.0/49

reg_asym_sam_26_dd_mean vs Slug



Right In: 125.007 $\pm$ 60.137 χ^2 /NDF: 22.0/21

Left Out: -293.590 $\pm$ 47.203 χ^2 /NDF:30.3/24

Right Out: -37.769 $\pm$ 54.385 χ^2 /NDF: 22.1/26

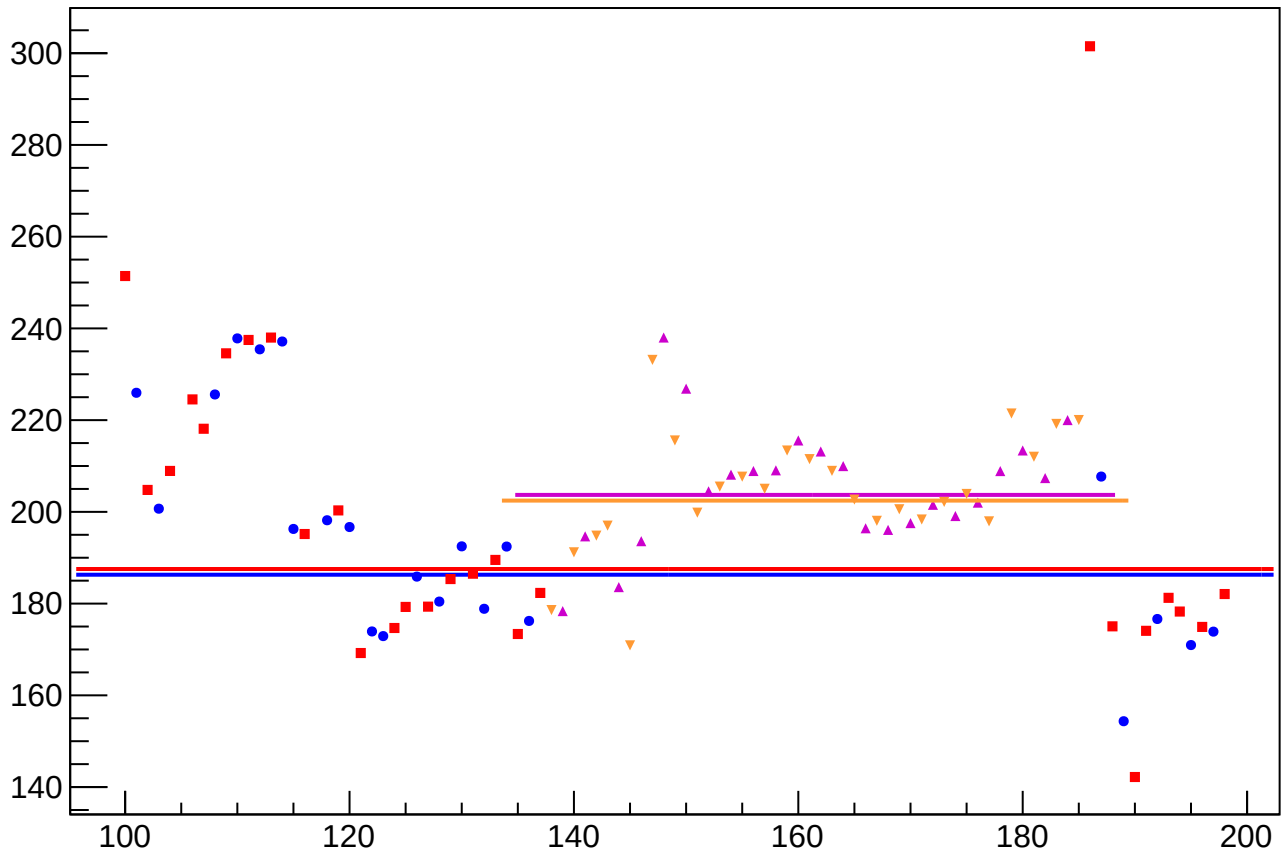
Left In: 217.964 $\pm$ 48.819 χ^2 /NDF:21.3/22

+ sign -134.009 $\pm$ 37.131 χ^2 /NDF: 82.4/46

All: -12.485 $\pm$ 25.967 χ^2 /NDF: 159.0/96

- sign 103.849 $\pm$ 36.329 χ^2 /NDF: 55.7/49

reg_asym_sam_26_dd_rms vs Slug



Right In: 186.297 $\pm$ 0.043 χ^2 /NDF: 235232.9/21

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 187.542 $\pm$ 0.038 χ^2 /NDF: 407482.6/26

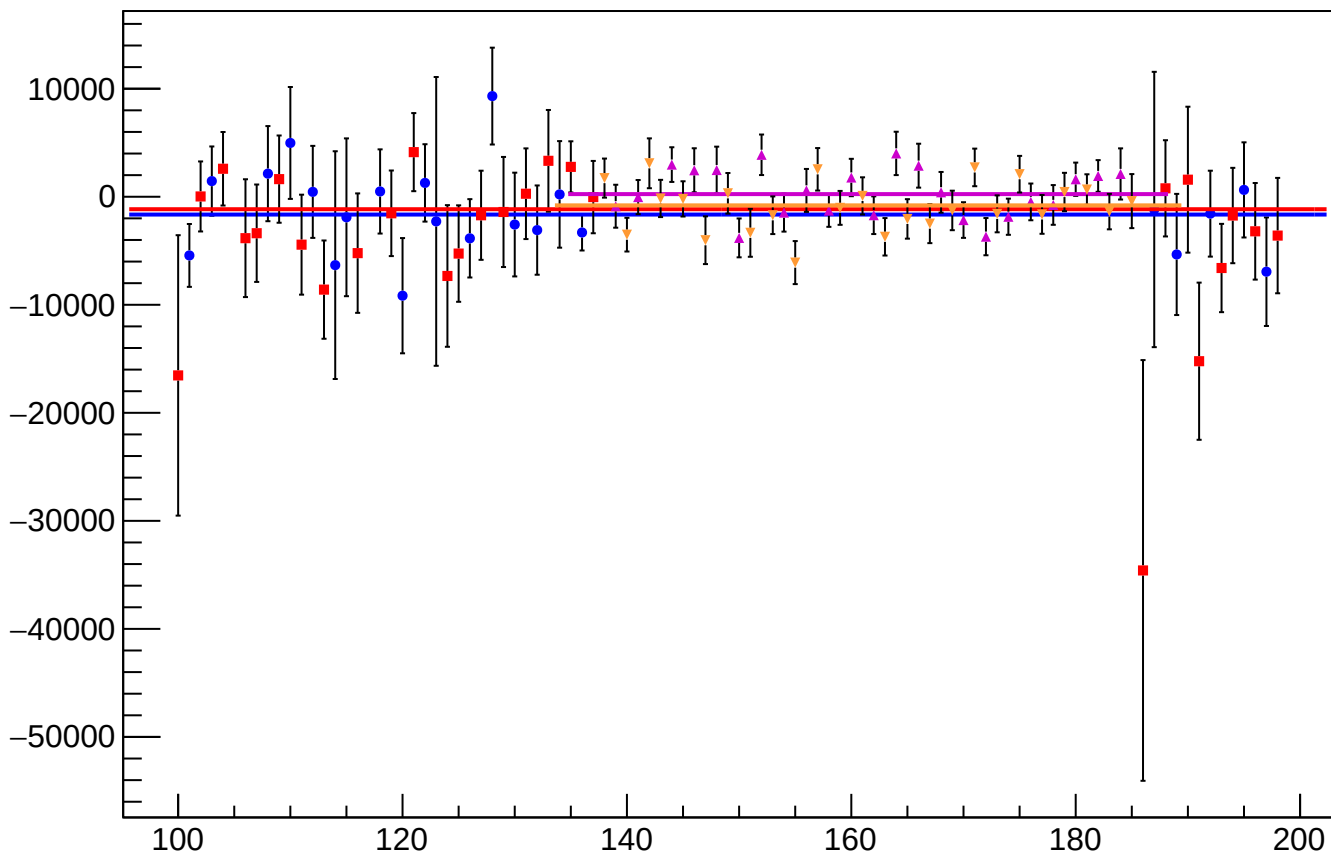
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 196.297 $\pm$ 0.026 χ^2 /NDF: 483193.5/46

All: 196.395 $\pm$ 0.018 χ^2 /NDF: 1124643.8/96

- sign 196.489 $\pm$ 0.026 χ^2 /NDF: 641423.0/49

asym_sam_26_dd_correction_mean vs Slug



Right In: -1648.266 ± 847.207 χ^2/NDF : 17.9/21

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1153.294 ± 836.155 χ^2/NDF : 24.5/26

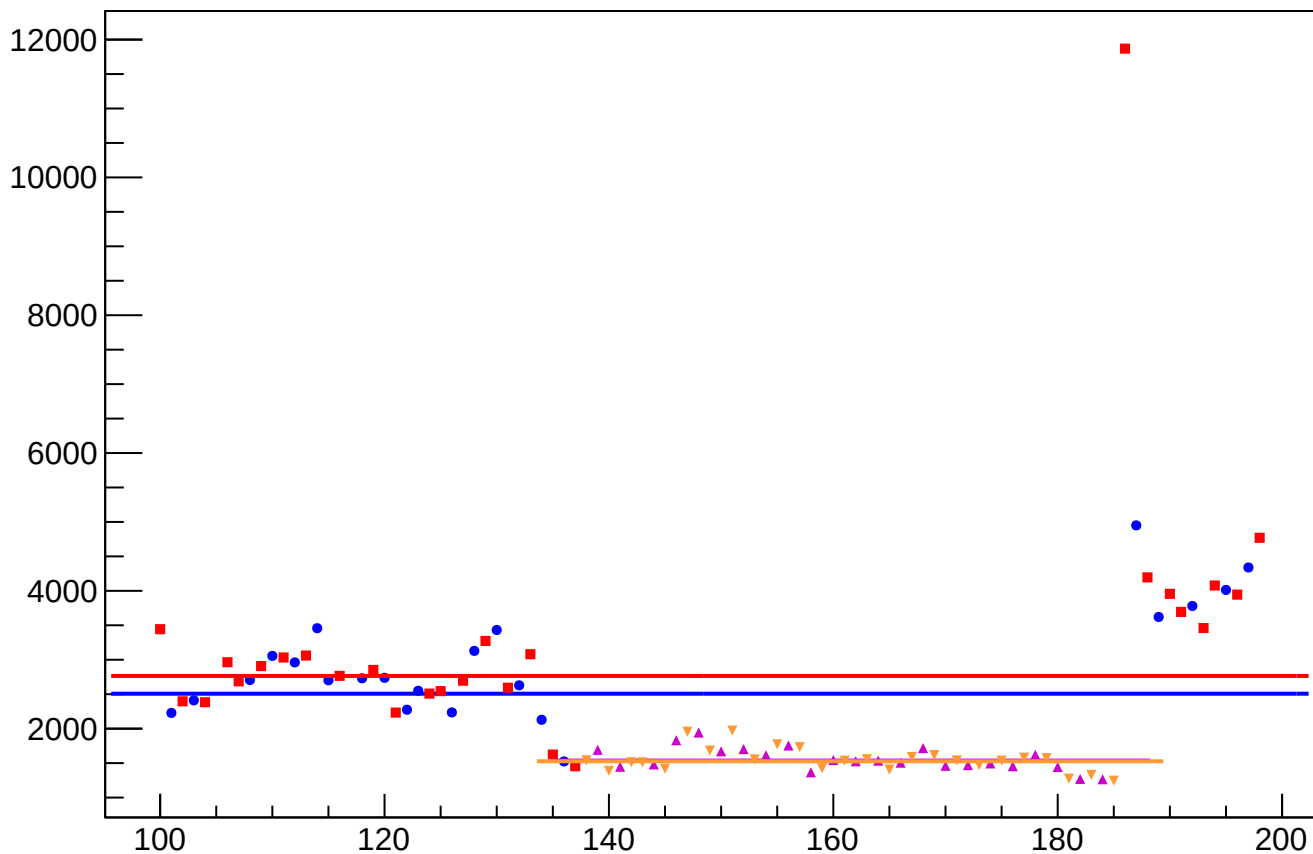
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -925.482 ± 329.650 χ^2/NDF : 54.5/46

All: -466.705 ± 236.075 χ^2/NDF : 120.9/96

- sign 16.281 ± 338.236 χ^2/NDF : 62.5/49

asym_sam_26_dd_correction_rms vs Slug



Right In: 2507.157+/-0.599 χ^2/NDF : 1795939.3/21

Left Out: 1526.712+/-0.253 χ^2/NDF : 394892.7/24

Right Out: 2764.941+/-0.591 χ^2/NDF : 2328019.2/26

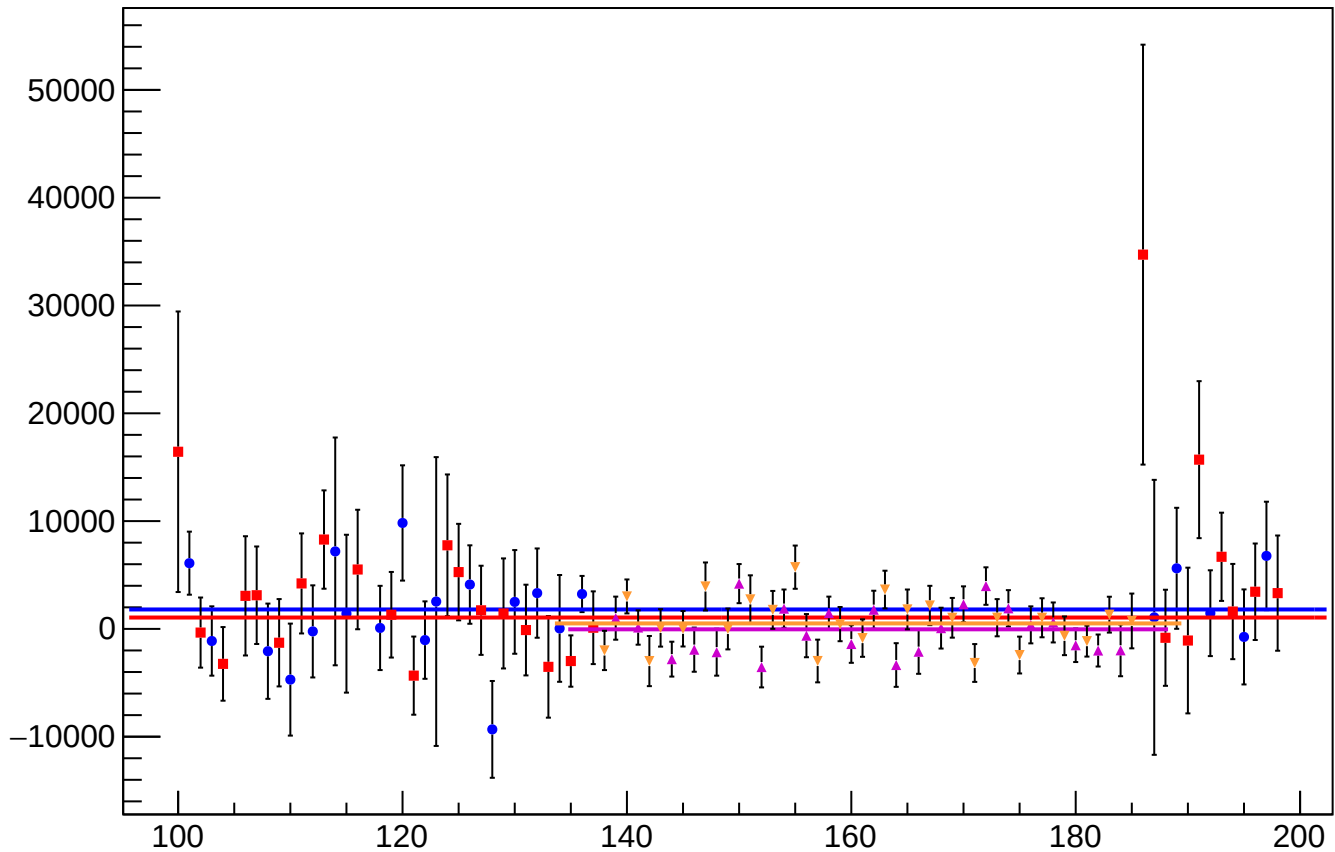
Left In: 1536.538+/-0.262 χ^2/NDF : 350373.3/22

+ sign 1675.152+/-0.233 χ^2/NDF : 4463836.6/46

All: 1705.545+/-0.167 χ^2/NDF : 10787368.8/9

- sign 1737.543+/-0.239 χ^2/NDF : 6288632.0/49

asym_sam_26_dd_mean vs Slug



Right In: 1803.118 ± 850.545 $\chi^2/\text{NDF}: 18.2/21$

Left Out: 507.982 ± 361.172 $\chi^2/\text{NDF}: 35.4/24$

Right Out: 1054.729 ± 839.048 $\chi^2/\text{NDF}: 25.3/26$

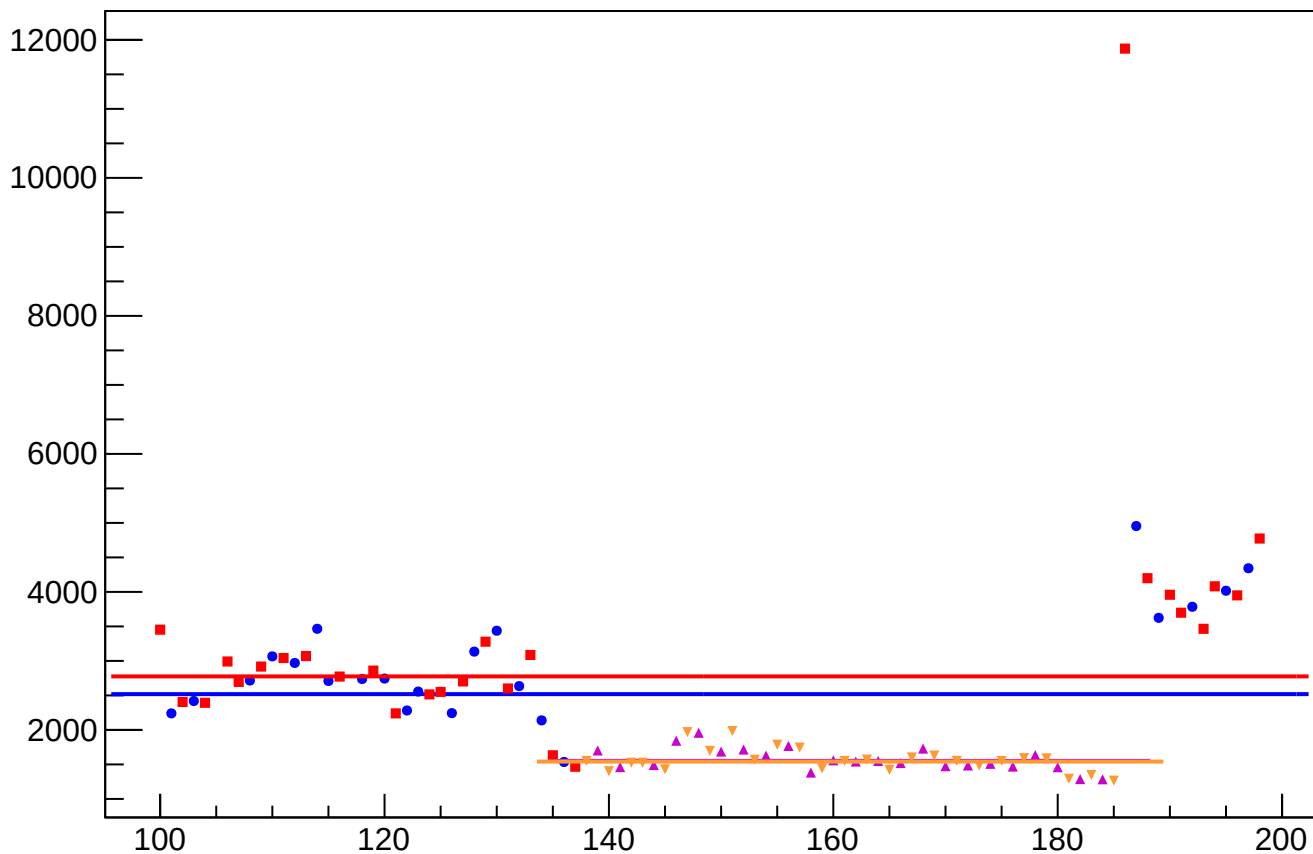
Left In: -40.080 ± 373.261 $\chi^2/\text{NDF}: 33.6/22$

+ sign 705.838 ± 332.442 $\chi^2/\text{NDF}: 55.6/46$

All: 430.526 ± 238.053 $\chi^2/\text{NDF}: 117.3/96$

- sign 140.791 ± 341.037 $\chi^2/\text{NDF}: 60.3/49$

asym_sam_26_dd_rms vs Slug



Right In: 2518.768 ± 0.601 $\chi^2/\text{NDF}: 1773236.2/21$

Left Out: 1541.258 ± 0.255 $\chi^2/\text{NDF}: 382045.4/24$

Right Out: 2775.556 ± 0.593 $\chi^2/\text{NDF}: 2306698.4/26$

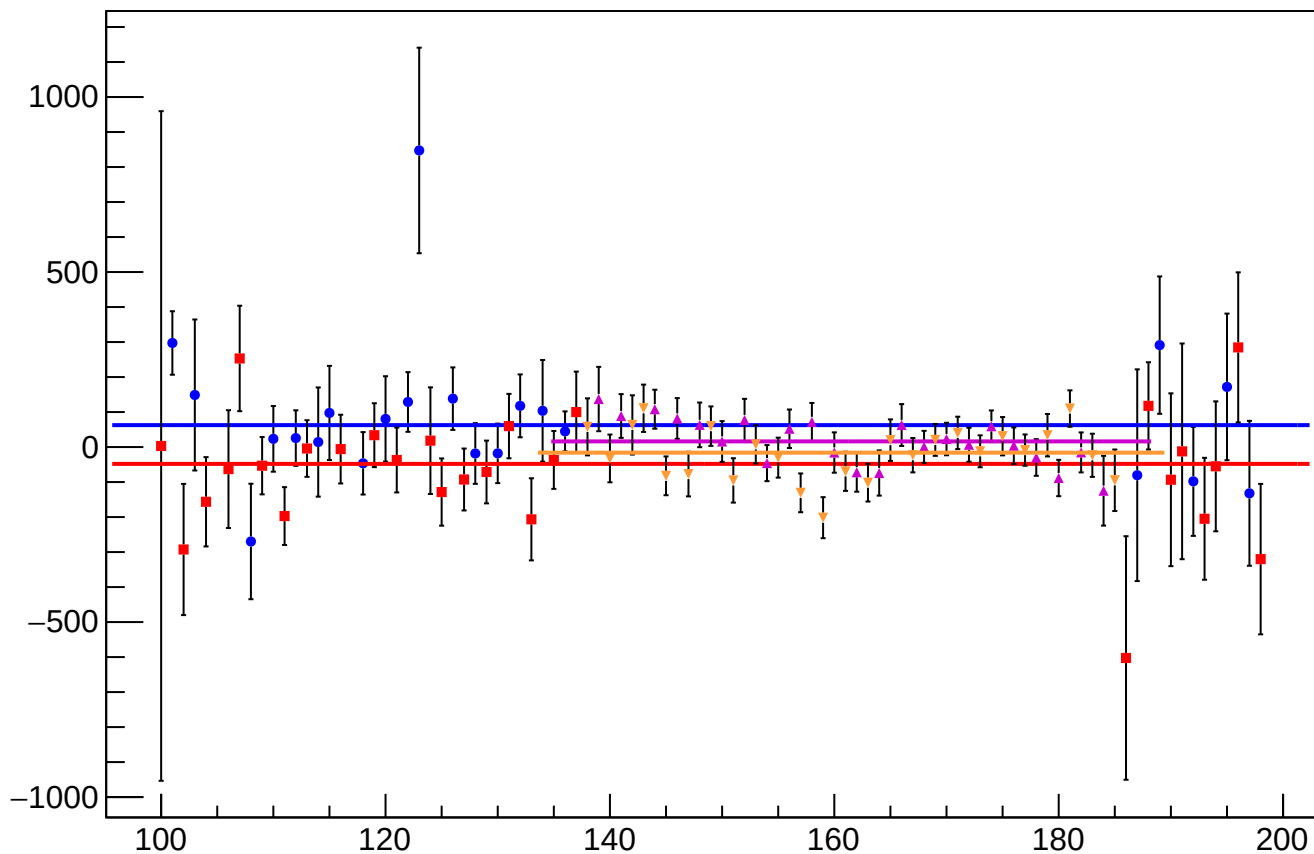
Left In: 1551.063 ± 0.264 $\chi^2/\text{NDF}: 338898.9/22$

+ sign 1690.592 ± 0.235 $\chi^2/\text{NDF}: 4393378.3/46$

All: 1721.174 ± 0.168 $\chi^2/\text{NDF}: 10629595.0/95$

- sign 1753.359 ± 0.241 $\chi^2/\text{NDF}: 6201478.6/49$

reg_asym_sam_37_dd_mean vs Slug



Right In: 62.647 $\pm$ 22.999 $\chi^2/\text{NDF}: 27.6/21$

Left Out: -16.049 $\pm$ 11.340 $\chi^2/\text{NDF}: 39.7/24$

Right Out: -48.077 $\pm$ 22.470 $\chi^2/\text{NDF}: 26.2/26$

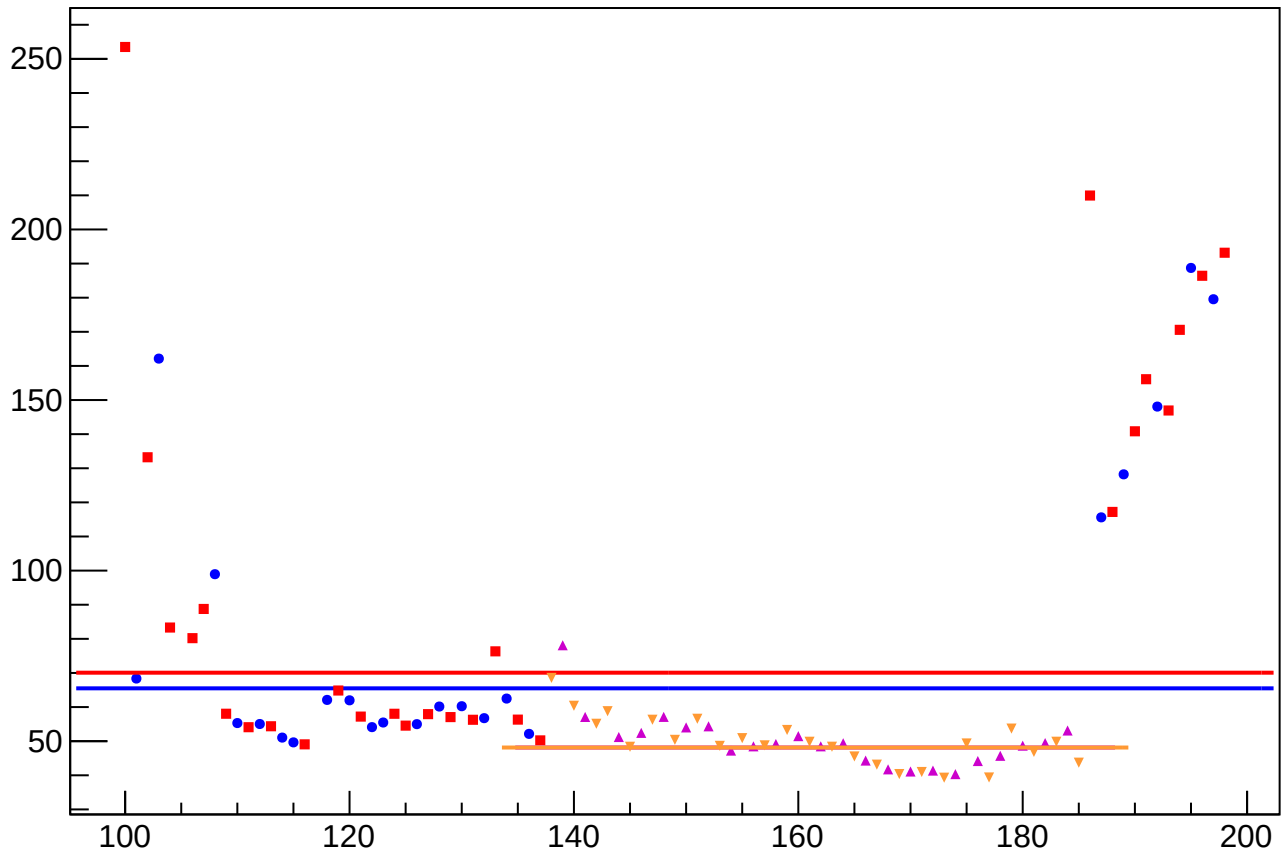
Left In: 16.162 $\pm$ 11.649 $\chi^2/\text{NDF}: 25.2/22$

+ sign -0.659 $\pm$ 10.171 $\chi^2/\text{NDF}: 76.7/46$

All: 0.920 $\pm$ 7.252 $\chi^2/\text{NDF}: 134.6/96$

- sign 2.553 $\pm$ 10.342 $\chi^2/\text{NDF}: 57.9/49$

reg_asym_sam_37_dd_rms vs Slug



Right In: 65.491 $\pm$ 0.016 χ^2 /NDF: 2924353.5/21

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 70.077 $\pm$ 0.016 χ^2 /NDF: 4150673.6/26

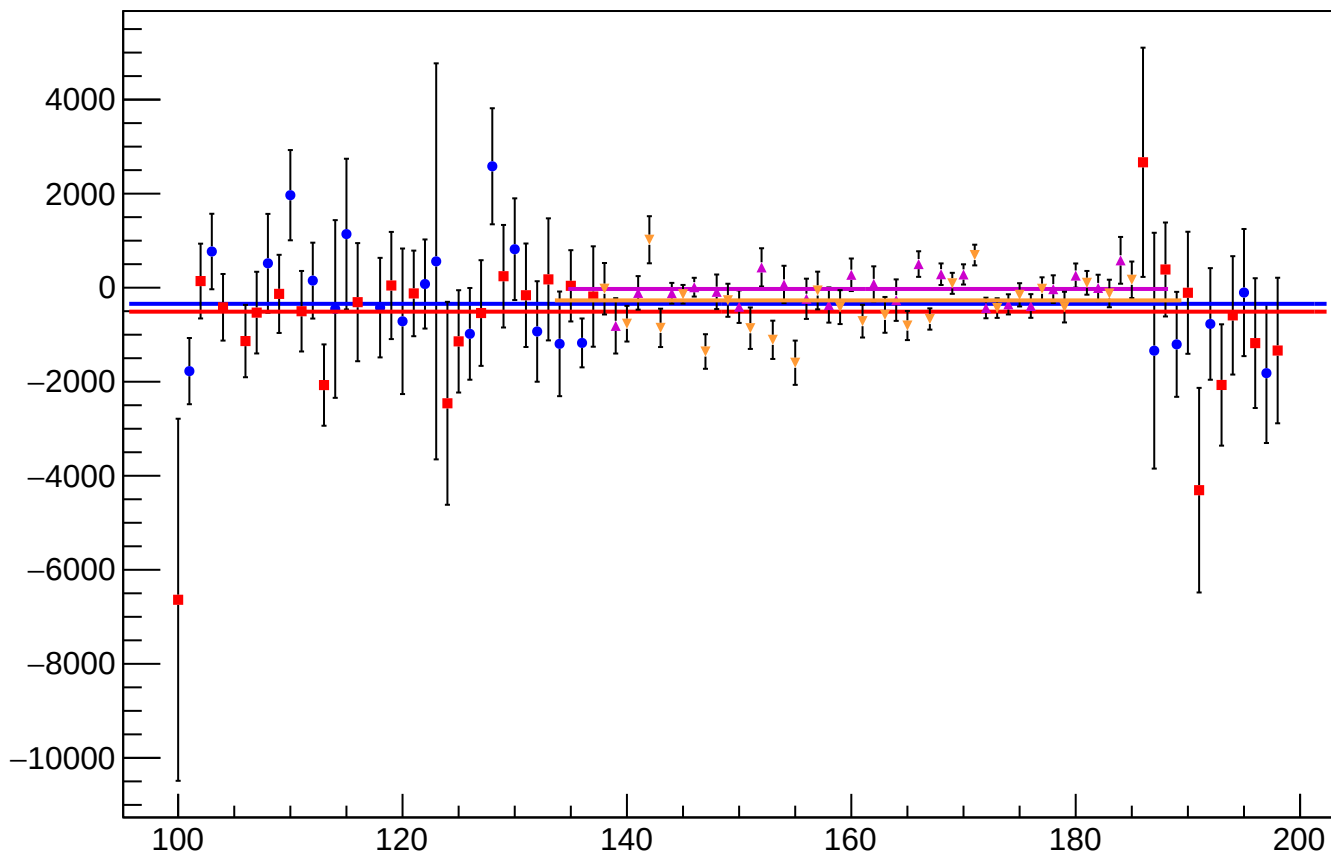
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 51.534 $\pm$ 0.007 χ^2 /NDF: 4495269.3/46

All: 52.150 $\pm$ 0.005 χ^2 /NDF: 10738448.2/96

- sign 52.787 $\pm$ 0.007 χ^2 /NDF: 6228262.5/49

asym_sam_37_dd_correction_mean vs Slug



Right In: -343.201 ± 218.938 χ^2/NDF : 26.6/21

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -510.021 ± 202.885 χ^2/NDF : 18.0/26

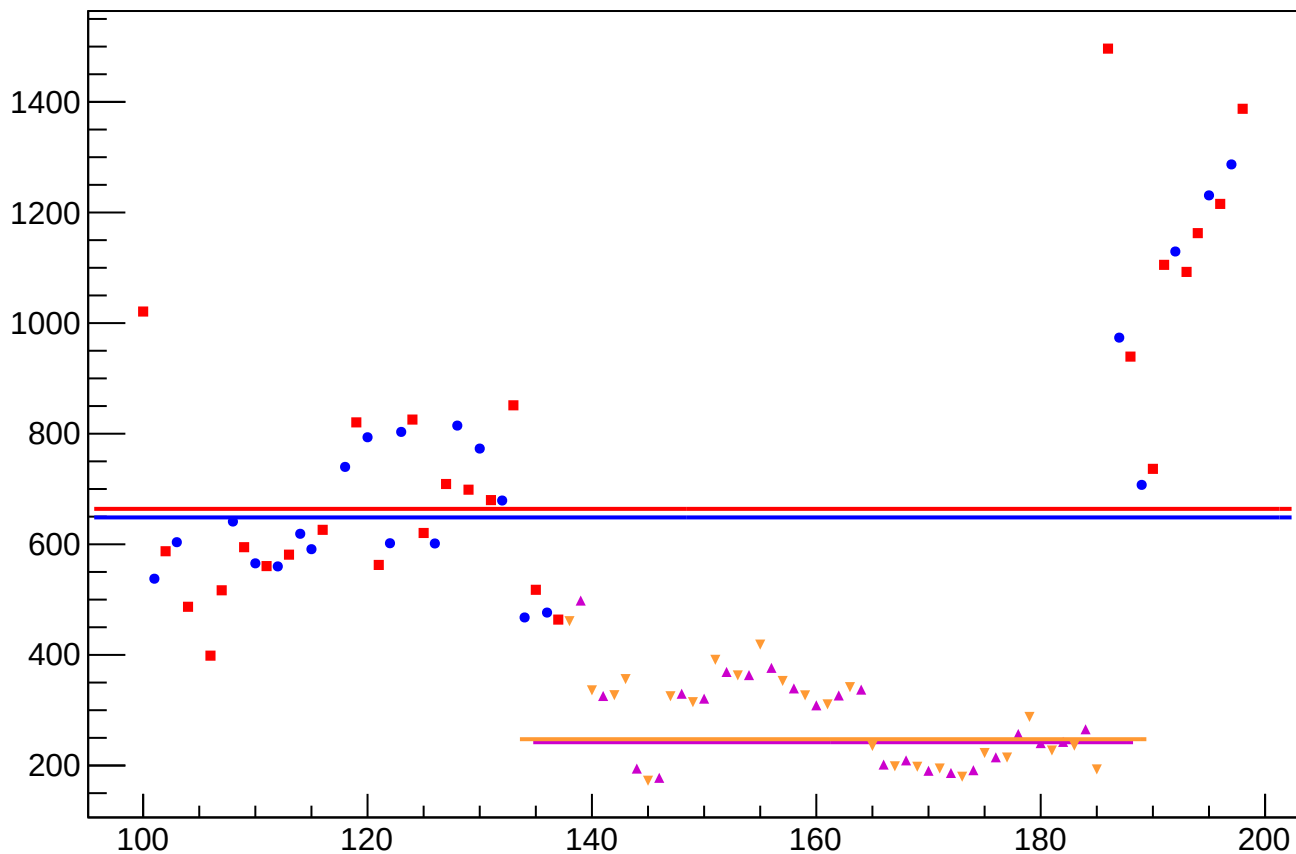
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -275.340 ± 58.026 χ^2/NDF : 96.8/46

All: -170.777 ± 40.991 χ^2/NDF : 151.6/96

- sign -66.610 ± 57.916 χ^2/NDF : 48.3/49

asym_sam_37_dd_correction_rms vs Slug



Right In: 648.609 $\pm$ 0.155 χ^2 /NDF: 1586479.3/21

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 664.093 $\pm$ 0.143 χ^2 /NDF: 2552573.8/26

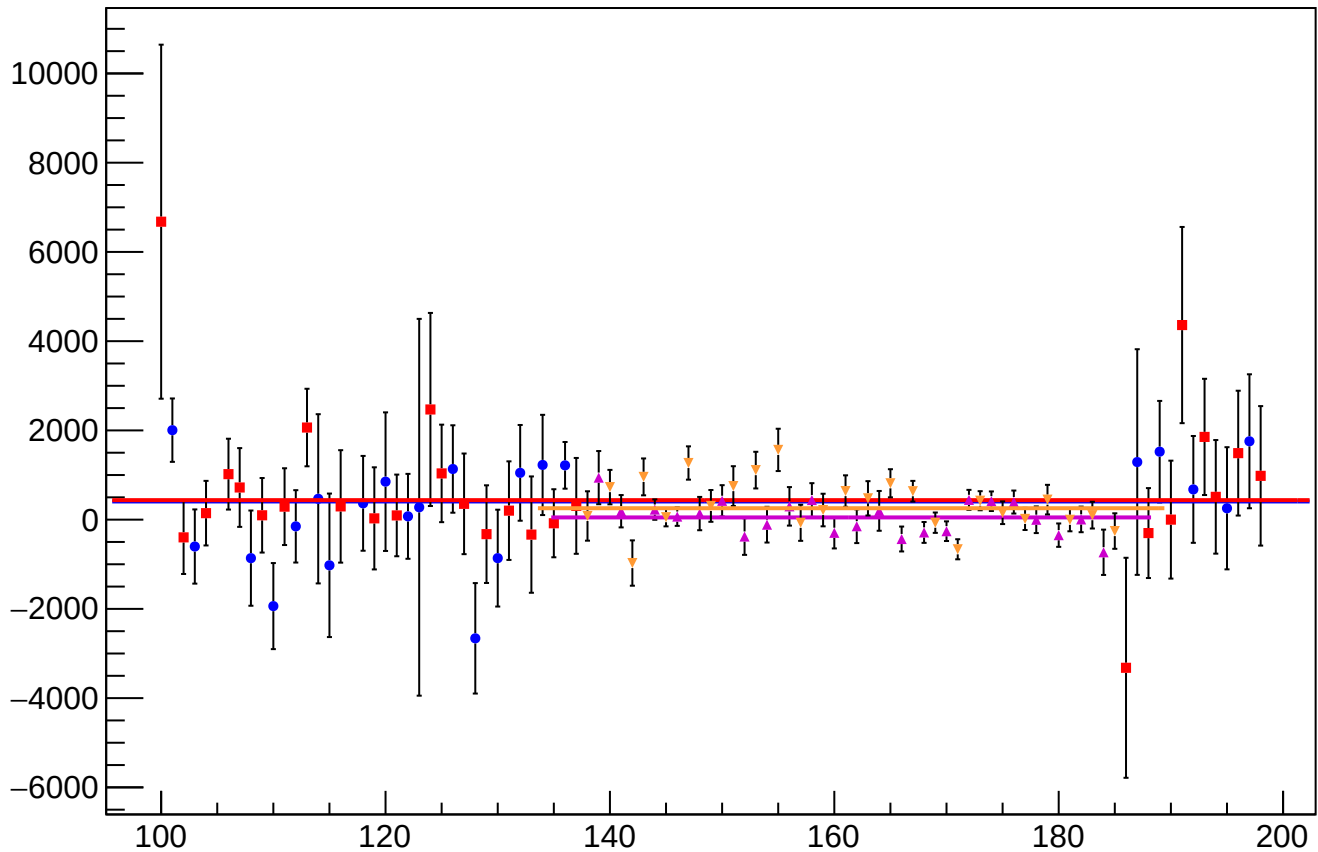
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 275.740 $\pm$ 0.041 χ^2 /NDF: 10606618.7/46

All: 276.122 $\pm$ 0.029 χ^2 /NDF: 23572263.7/96

- sign 276.503 $\pm$ 0.041 χ^2 /NDF: 12965471.8/49

asym_sam_37_dd_mean vs Slug



Right In: 407.700 $\pm$ 220.915 χ^2 /NDF: 28.6/21

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF:63.6/24

Right Out: 436.924 $\pm$ 205.209 χ^2 /NDF: 18.9/26

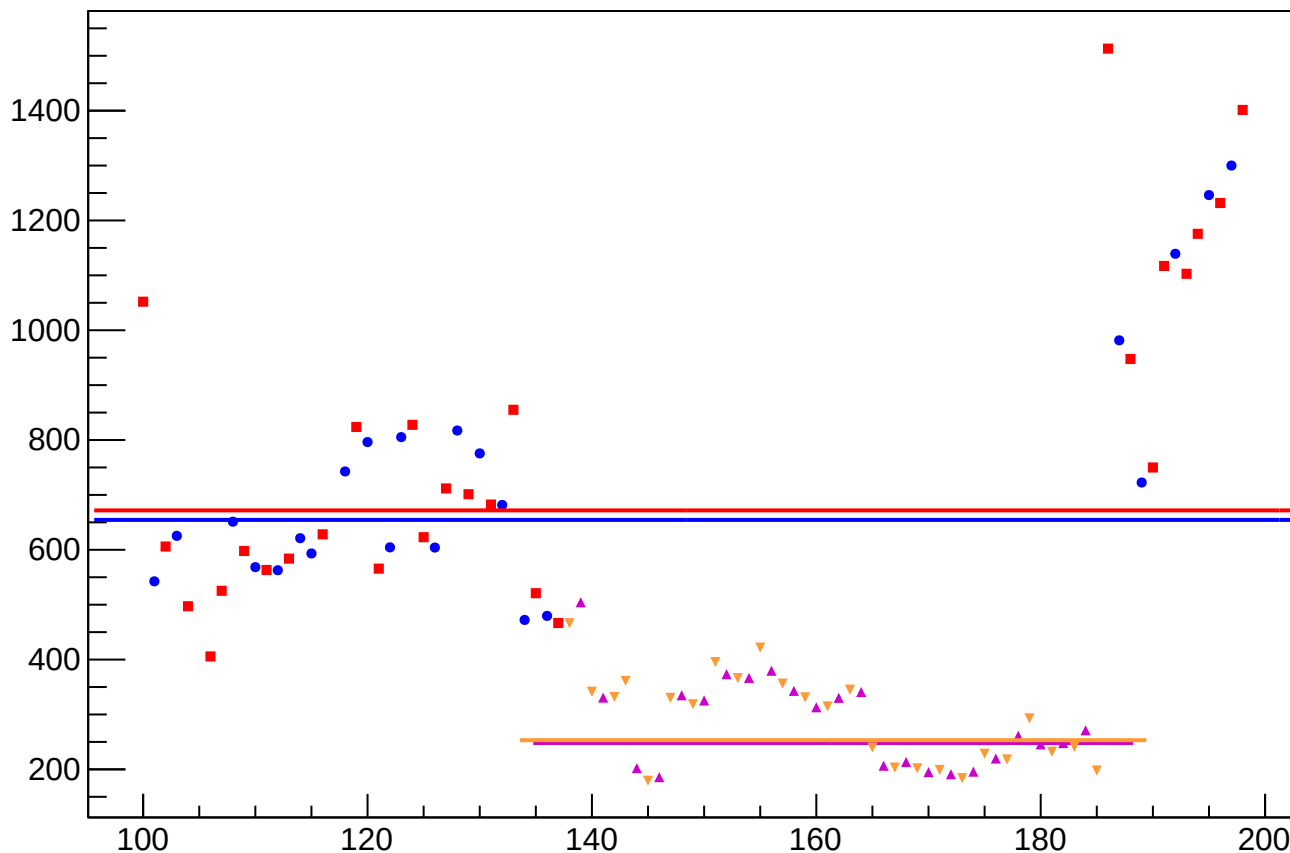
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF:27.5/22

+ sign 266.880 $\pm$ 59.174 χ^2 /NDF: 92.7/46

All: 174.416 $\pm$ 41.837 χ^2 /NDF: 147.2/96

- sign 82.002 $\pm$ 59.158 χ^2 /NDF: 49.7/49

asym_sam_37_dd_rms vs Slug



Right In: 654.472 ± 0.156 $\chi^2/\text{NDF}: 1590204.5/21$

Left Out: 253.137 ± 0.043 $\chi^2/\text{NDF}: 2665975.8/24$

Right Out: 671.798 ± 0.145 $\chi^2/\text{NDF}: 2529755.2/26$

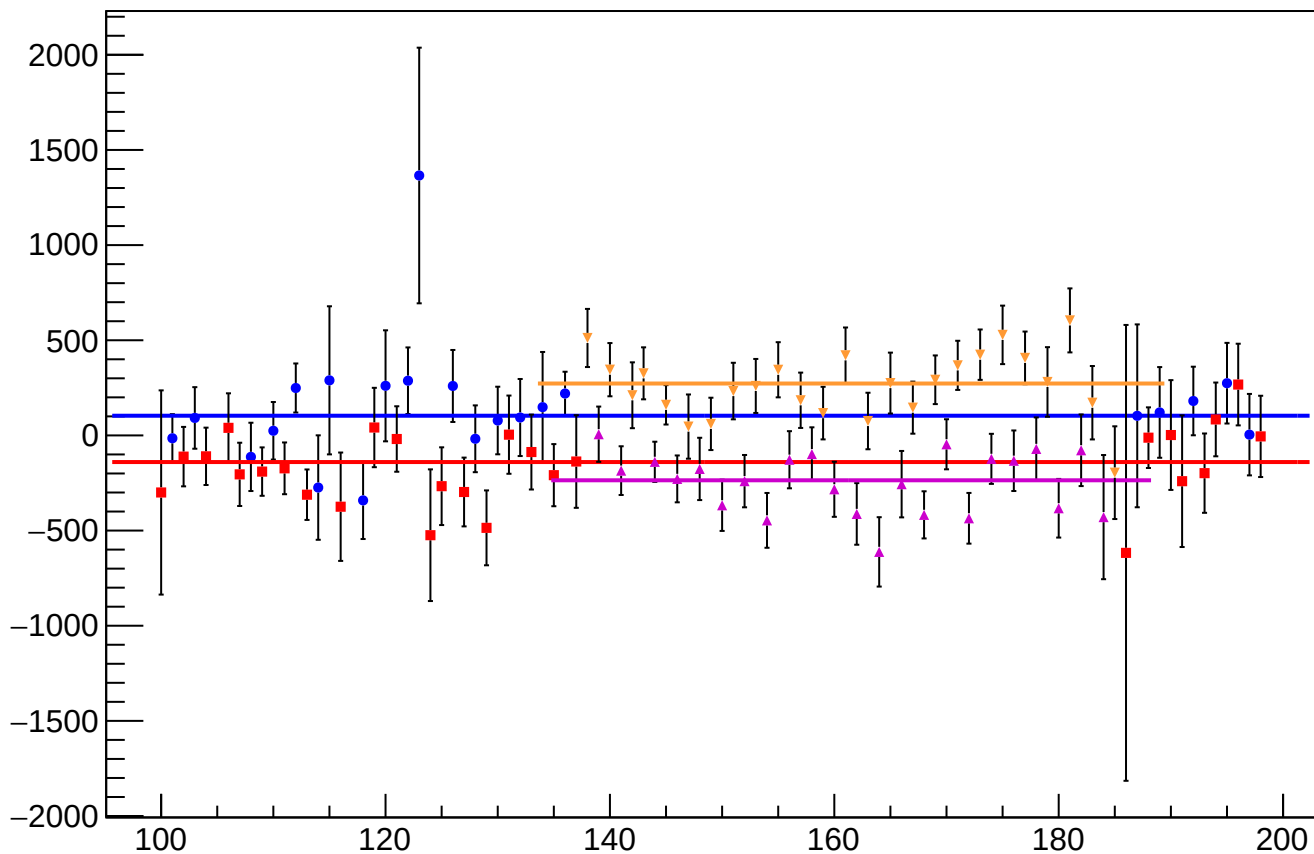
Left In: 248.069 ± 0.044 $\chi^2/\text{NDF}: 2343295.0/22$

+ sign 281.932 ± 0.042 $\chi^2/\text{NDF}: 10383355.8/46$

All: 282.608 ± 0.030 $\chi^2/\text{NDF}: 23075590.2/96$

- sign 283.283 ± 0.042 $\chi^2/\text{NDF}: 12691712.8/49$

reg_asym_sam_48_dd_mean vs Slug



Right In: 103.461 ± 39.909 χ^2/NDF : 19.0/21

Left Out: 272.684 ± 29.221 χ^2/NDF : 27.4/24

Right Out: -139.956 ± 36.676 χ^2/NDF : 17.9/26

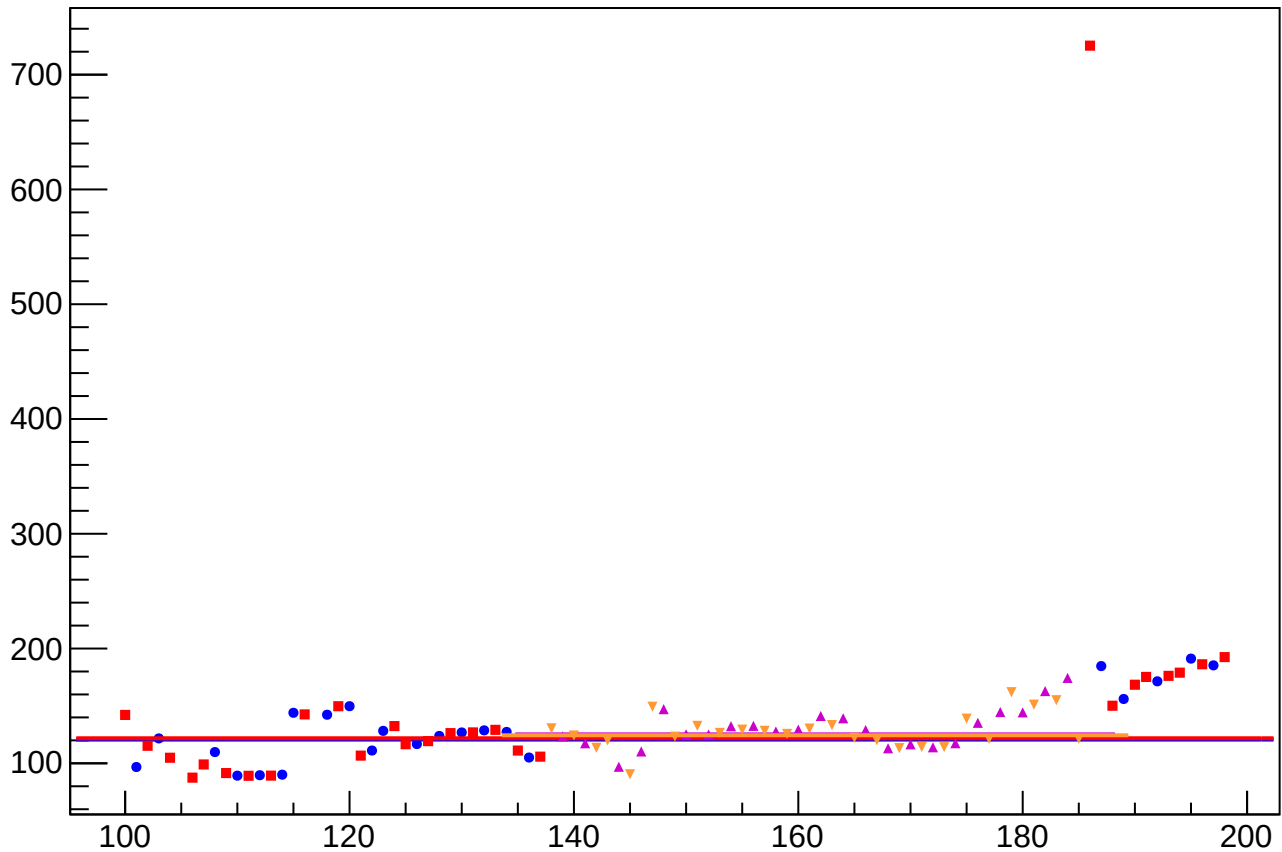
Left In: -235.801 ± 30.232 χ^2/NDF : 24.6/22

+ sign 213.624 ± 23.577 χ^2/NDF : 58.2/46

All: 6.121 ± 16.583 χ^2/NDF : 258.0/96

- sign -197.025 ± 23.328 χ^2/NDF : 46.6/49

reg_asym_sam_48_dd_rms vs Slug



Right In: 120.696 $\pm$ 0.028 χ^2 /NDF: 1050176.4/21

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 121.815 $\pm$ 0.026 χ^2 /NDF: 1959710.7/26

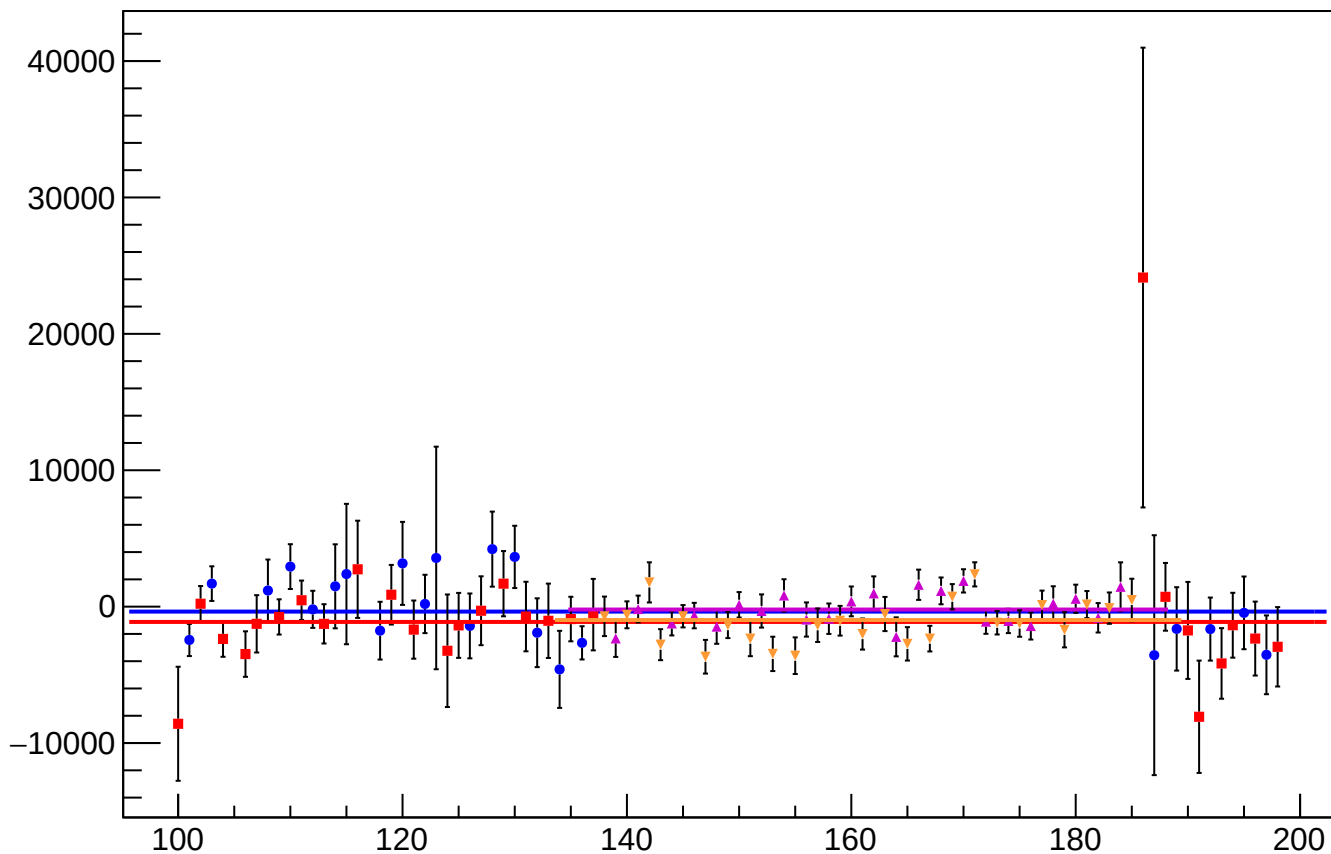
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 123.126 $\pm$ 0.017 χ^2 /NDF: 1601295.3/46

All: 123.484 $\pm$ 0.012 χ^2 /NDF: 4073480.5/96

- sign 123.833 $\pm$ 0.016 χ^2 /NDF: 2471275.8/49

asym_sam_48_dd_correction_mean vs Slug



Right In: -362.510 ± 439.468 χ^2/NDF : 27.0/21

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1120.288 ± 403.275 χ^2/NDF : 20.0/26

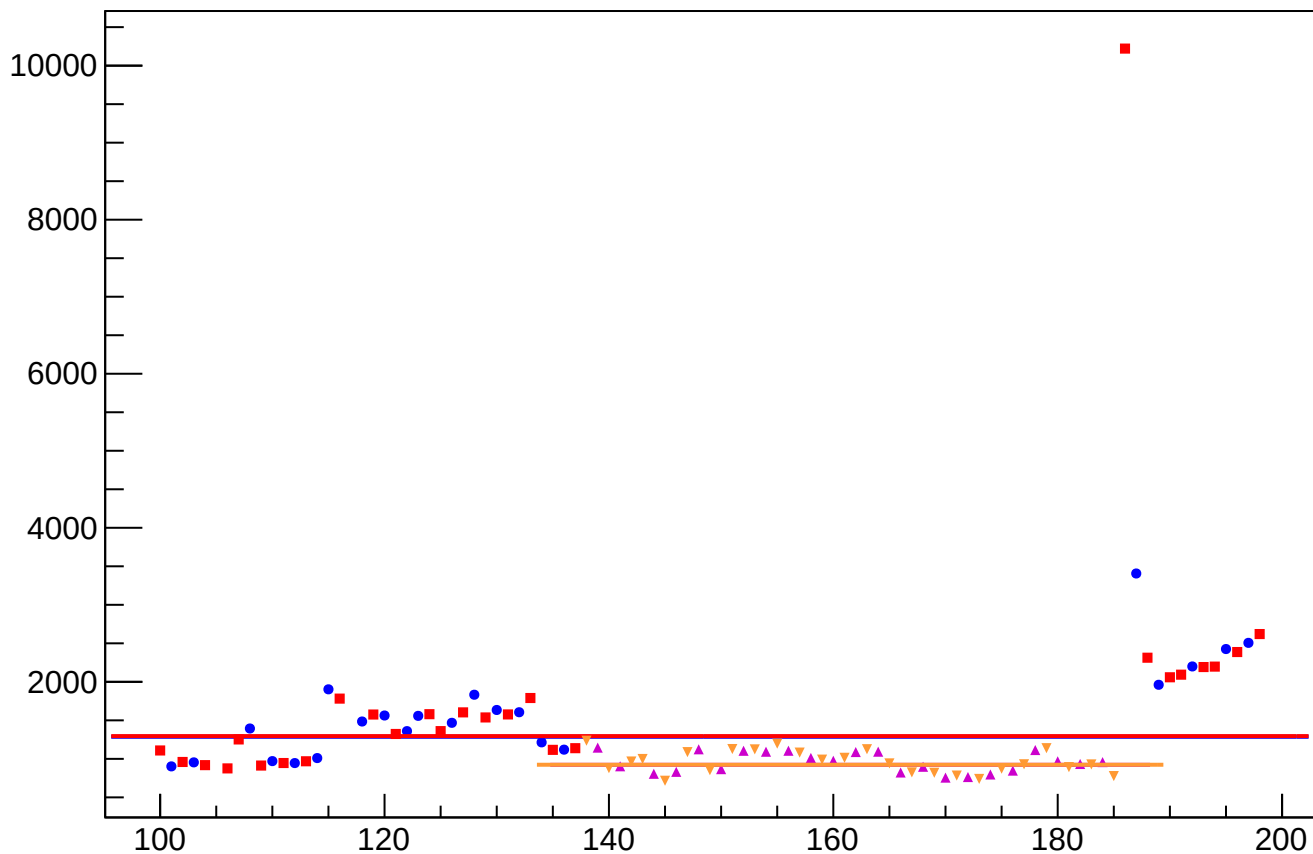
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -860.319 ± 195.308 χ^2/NDF : 75.8/46

All: -642.549 ± 138.118 χ^2/NDF : 127.9/96

- sign -424.686 ± 195.349 χ^2/NDF : 49.6/49

asym_sam_48_dd_correction_rms vs Slug



Right In: 1286.943+/-0.311 χ^2/NDF : 2092907.1/21

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

+ sign 995.352+/-0.138 χ^2/NDF : 4032862.0/46

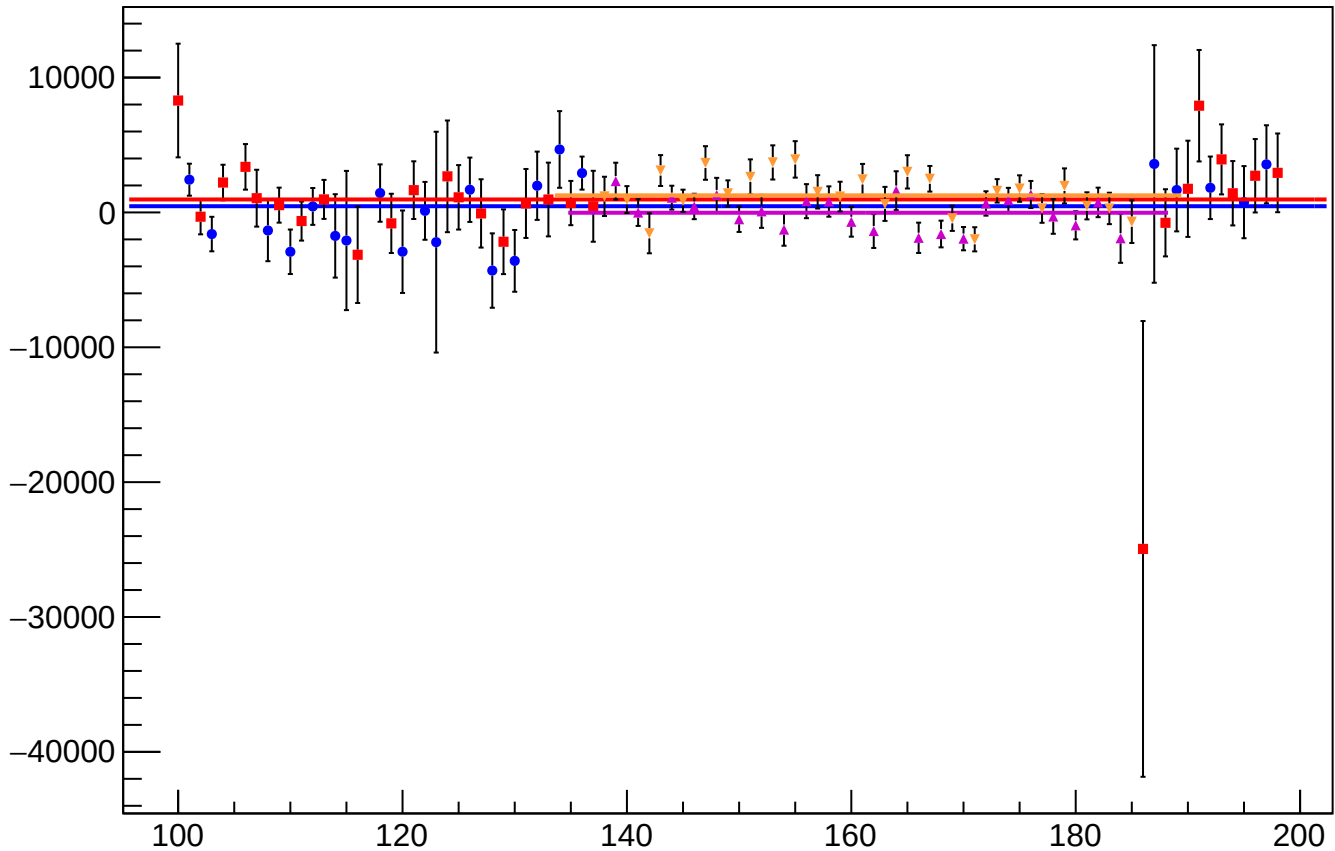
Right Out: 1295.315+/-0.285 χ^2/NDF : 3409446.5/26

All: 1002.567+/-0.098 χ^2/NDF : 9392467.7/96

- sign 1009.786+/-0.138 χ^2/NDF : 5354145.3/49

Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

asym_sam_48_dd_mean vs Slug



Right In: 460.623 ± 441.540 χ^2/NDF : 27.2/21

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 961.709 ± 405.346 χ^2/NDF : 20.4/26

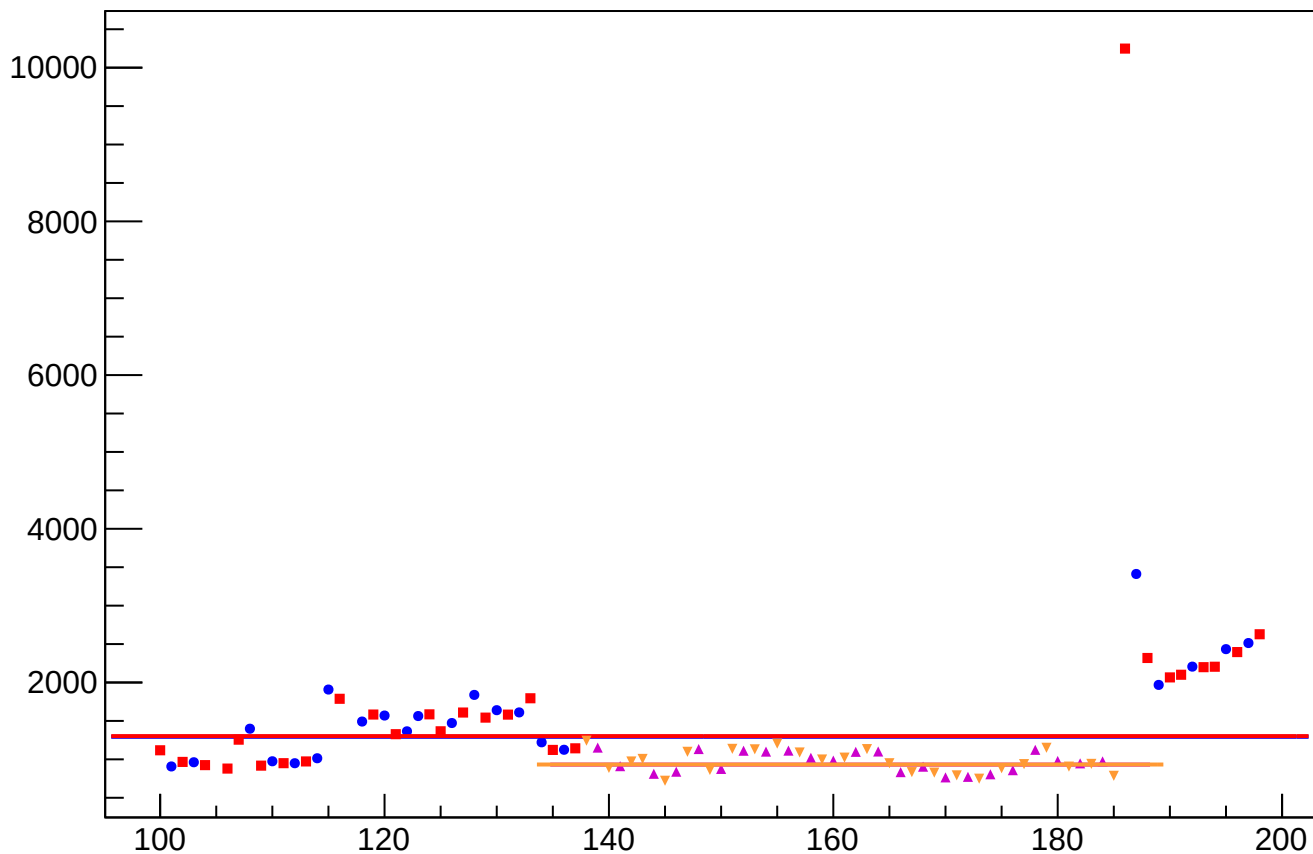
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1106.744 ± 197.007 χ^2/NDF : 74.8/46

All: 658.150 ± 139.321 χ^2/NDF : 137.3/96

- sign 209.347 ± 197.052 χ^2/NDF : 52.1/49

asym_sam_48_dd_rms vs Slug



Right In: 1293.494+/-0.312 χ^2/NDF : 2081326.5/21

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1302.258+/-0.287 χ^2/NDF : 3392797.9/26

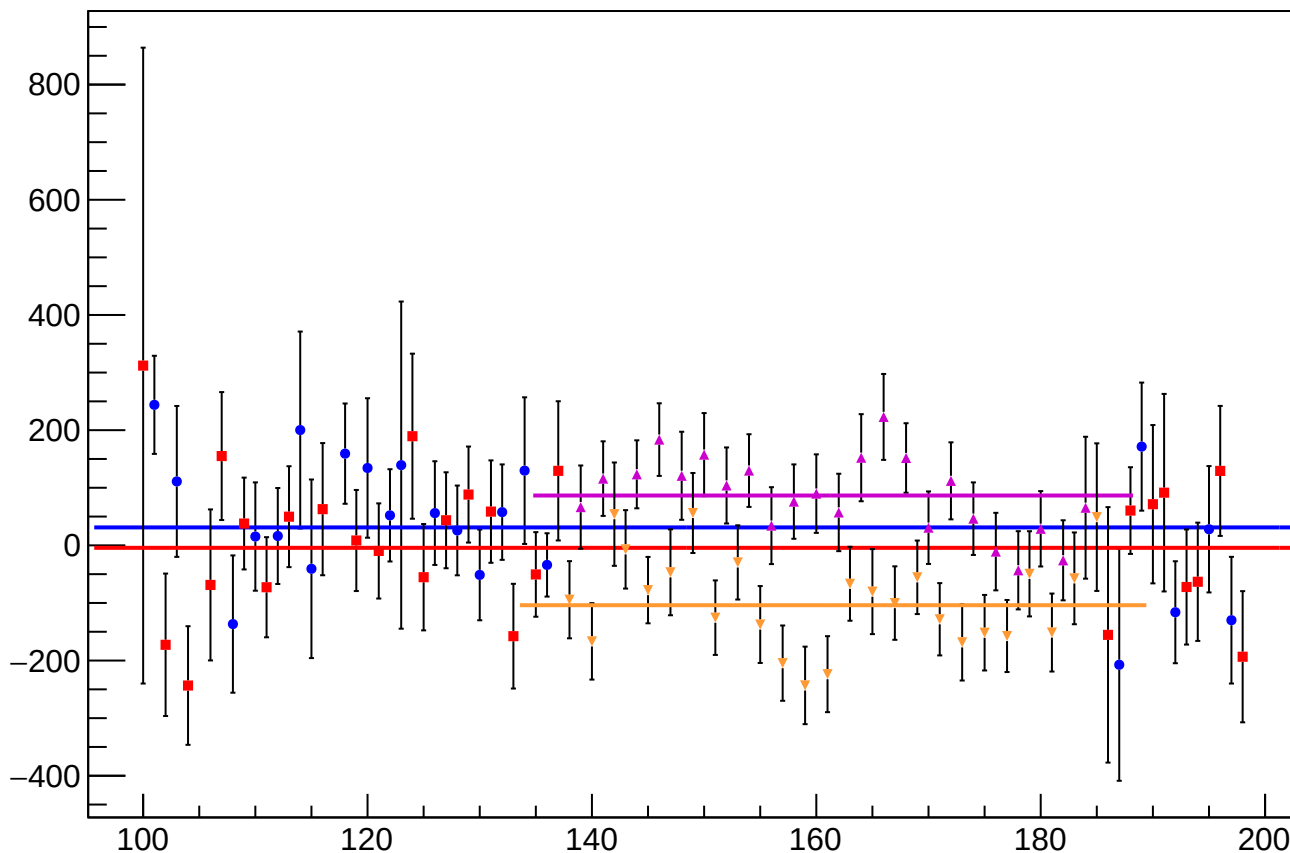
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1004.577+/-0.139 χ^2/NDF : 3980291.7/46

All: 1011.844+/-0.099 χ^2/NDF : 9280834.9/96

- sign 1019.114+/-0.139 χ^2/NDF : 5295099.5/49

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 31.162 ± 20.610 χ^2/NDF : 24.1/21

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: -4.285 ± 19.372 χ^2/NDF : 27.0/26

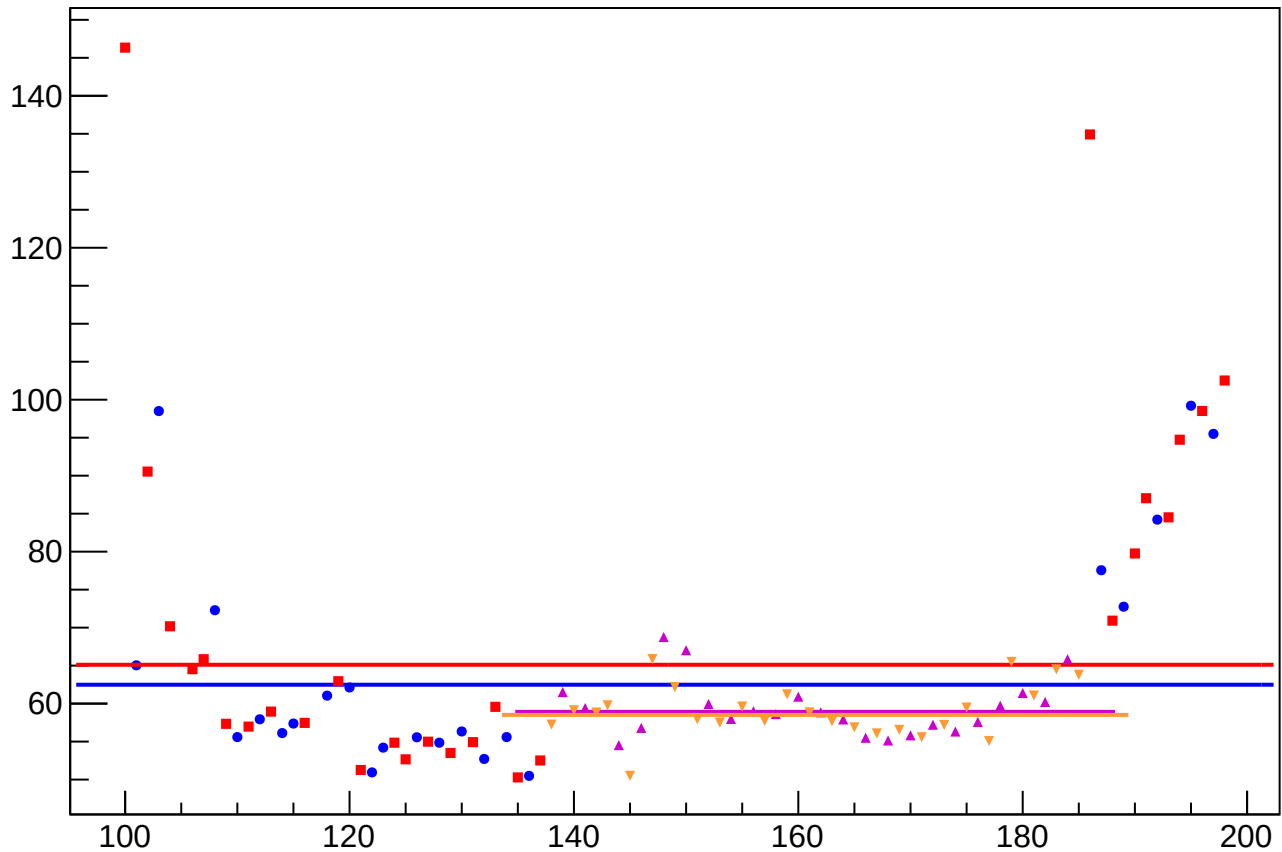
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -62.751 ± 11.376 χ^2/NDF : 84.0/46

All: -4.040 ± 8.056 χ^2/NDF : 200.1/96

- sign 55.029 ± 11.411 χ^2/NDF : 62.7/49

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 62.485 ± 0.015 χ^2/NDF : 957254.8/21

Left Out: 58.513 ± 0.010 χ^2/NDF : 123221.6/24

Right Out: 65.111 ± 0.014 χ^2/NDF : 1395974.7/26

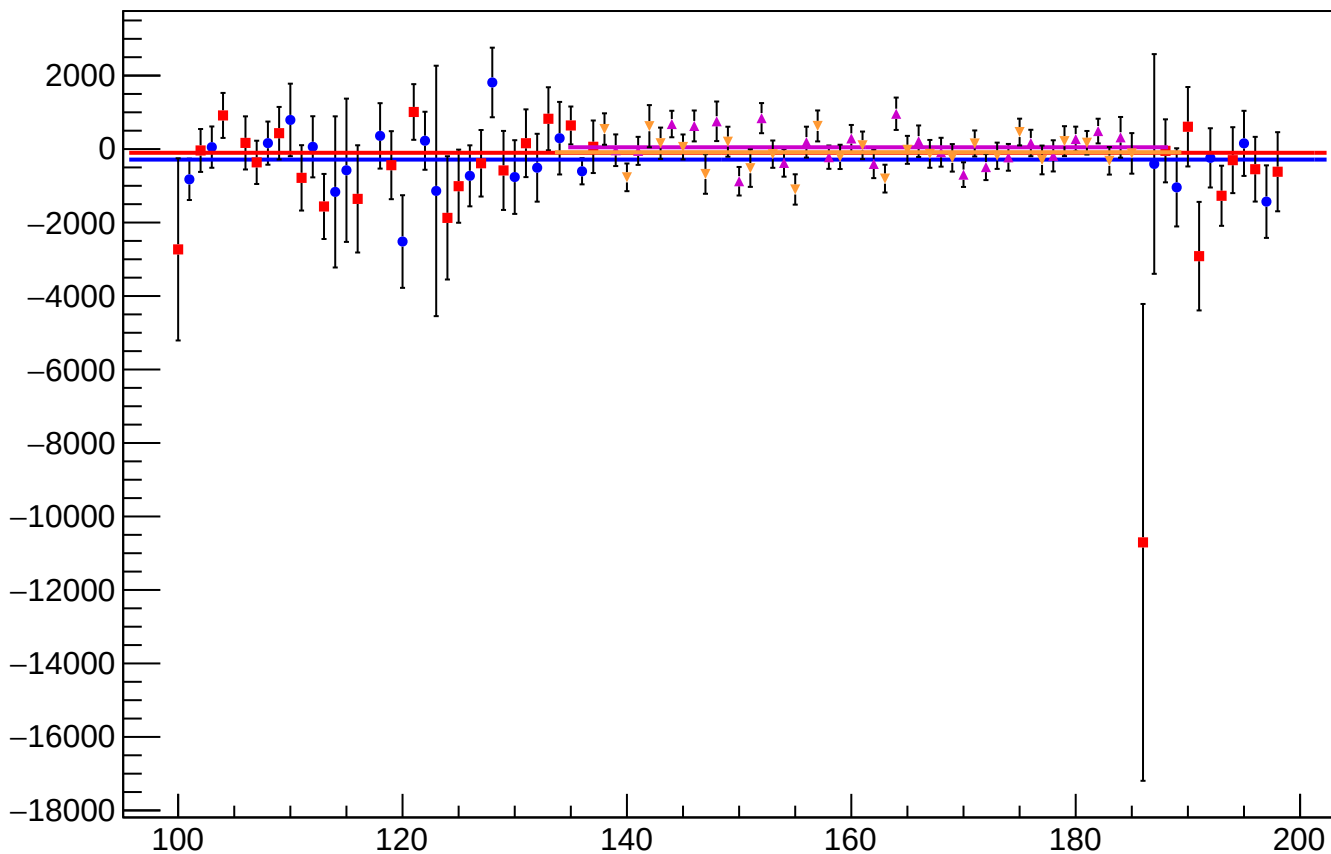
Left In: 58.913 ± 0.010 χ^2/NDF : 109968.0/22

+ sign 59.723 ± 0.008 χ^2/NDF : 1132126.2/46

All: 60.391 ± 0.006 χ^2/NDF : 2785614.1/96

- sign 61.064 ± 0.008 χ^2/NDF : 1639639.0/49

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -286.618 ± 170.898 χ^2/NDF : 16.3/21

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -101.600 ± 162.811 χ^2/NDF : 26.1/26

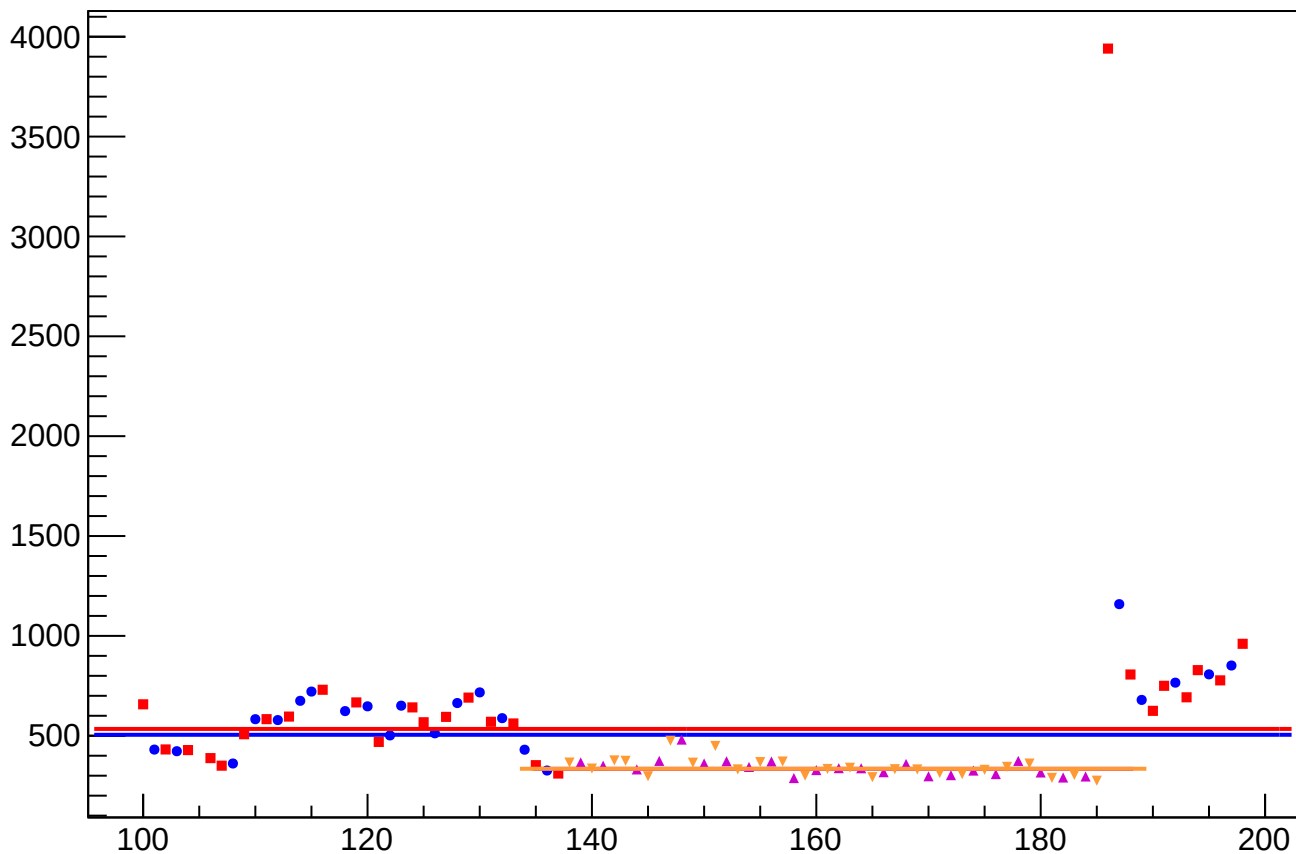
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -122.200 ± 71.377 χ^2/NDF : 45.2/46

All: -52.316 ± 50.758 χ^2/NDF : 109.2/96

- sign 19.180 ± 72.196 χ^2/NDF : 62.1/49

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 504.829+/-0.121 χ^2/NDF : 1846257.0/21

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

Right Out: 534.161+/-0.115 χ^2/NDF : 2590295.3/26

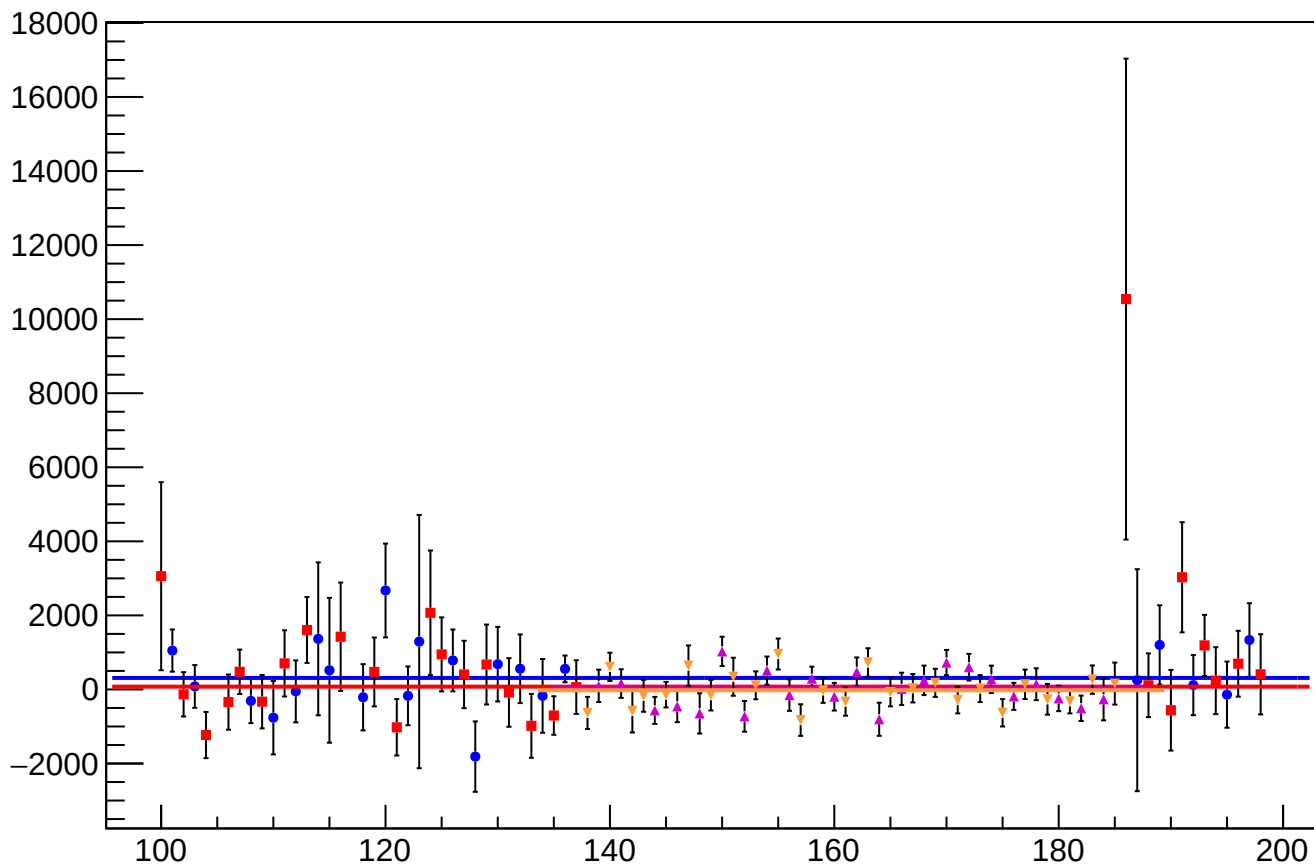
Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

+ sign 364.417+/-0.050 χ^2/NDF : 3973001.0/46

All: 368.895+/-0.036 χ^2/NDF : 9401342.4/96

- sign 373.476+/-0.051 χ^2/NDF : 5412418.9/49

asym_sam_13_57_dd_mean vs Slug



Right In: 311.430 $\pm$ 172.791 χ^2 /NDF: 17.1/21

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: 75.730 $\pm$ 164.643 χ^2 /NDF: 29.2/26

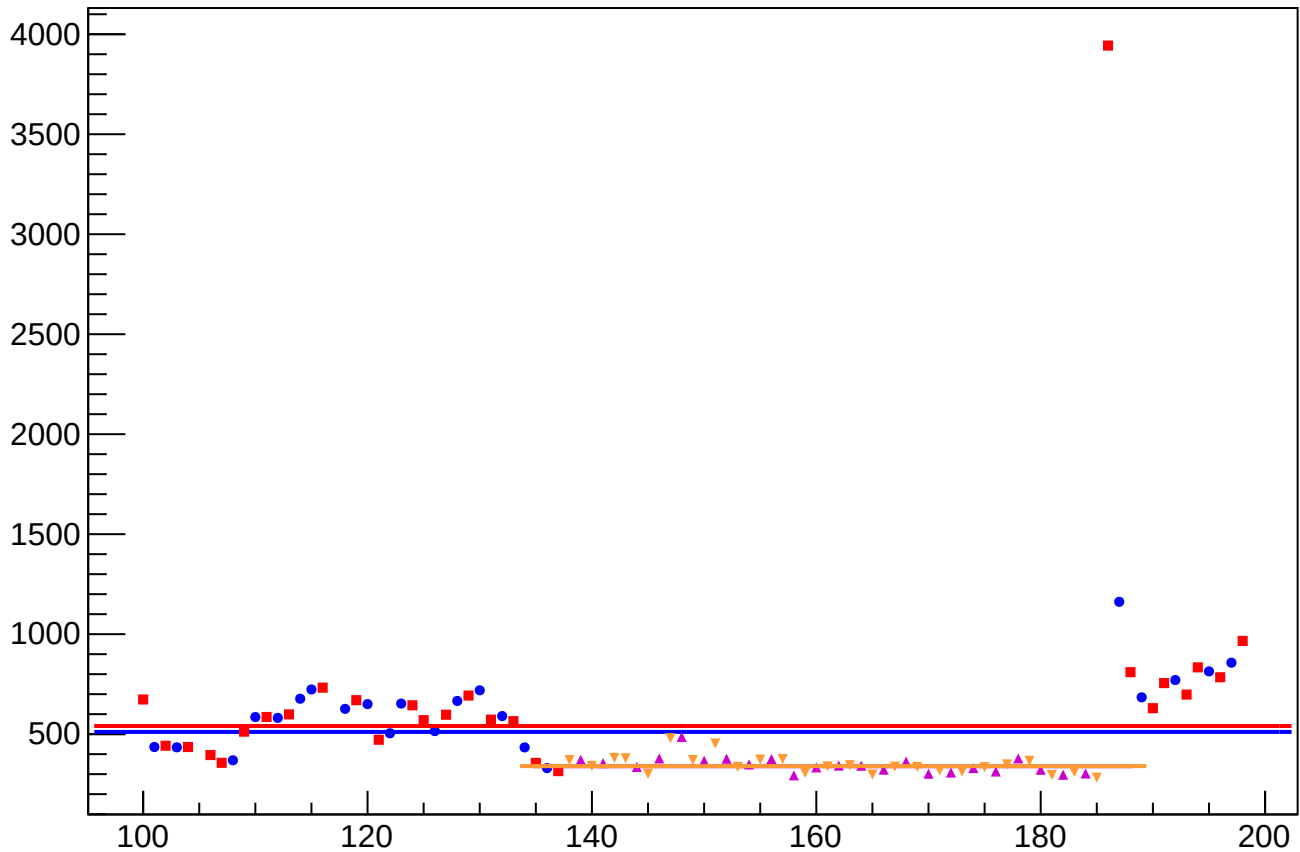
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 37.539 $\pm$ 72.456 χ^2 /NDF: 47.3/46

All: 39.005 $\pm$ 51.525 χ^2 /NDF: 110.7/96

- sign 40.504 $\pm$ 73.285 χ^2 /NDF: 63.3/49

asym_sam_13_57_dd_rms vs Slug



Right In: 511.170 ± 0.122 $\chi^2/\text{NDF}: 1797777.0/21$

Left Out: 340.238 ± 0.056 $\chi^2/\text{NDF}: 468863.6/24$

Right Out: 540.770 ± 0.116 $\chi^2/\text{NDF}: 2534711.4/26$

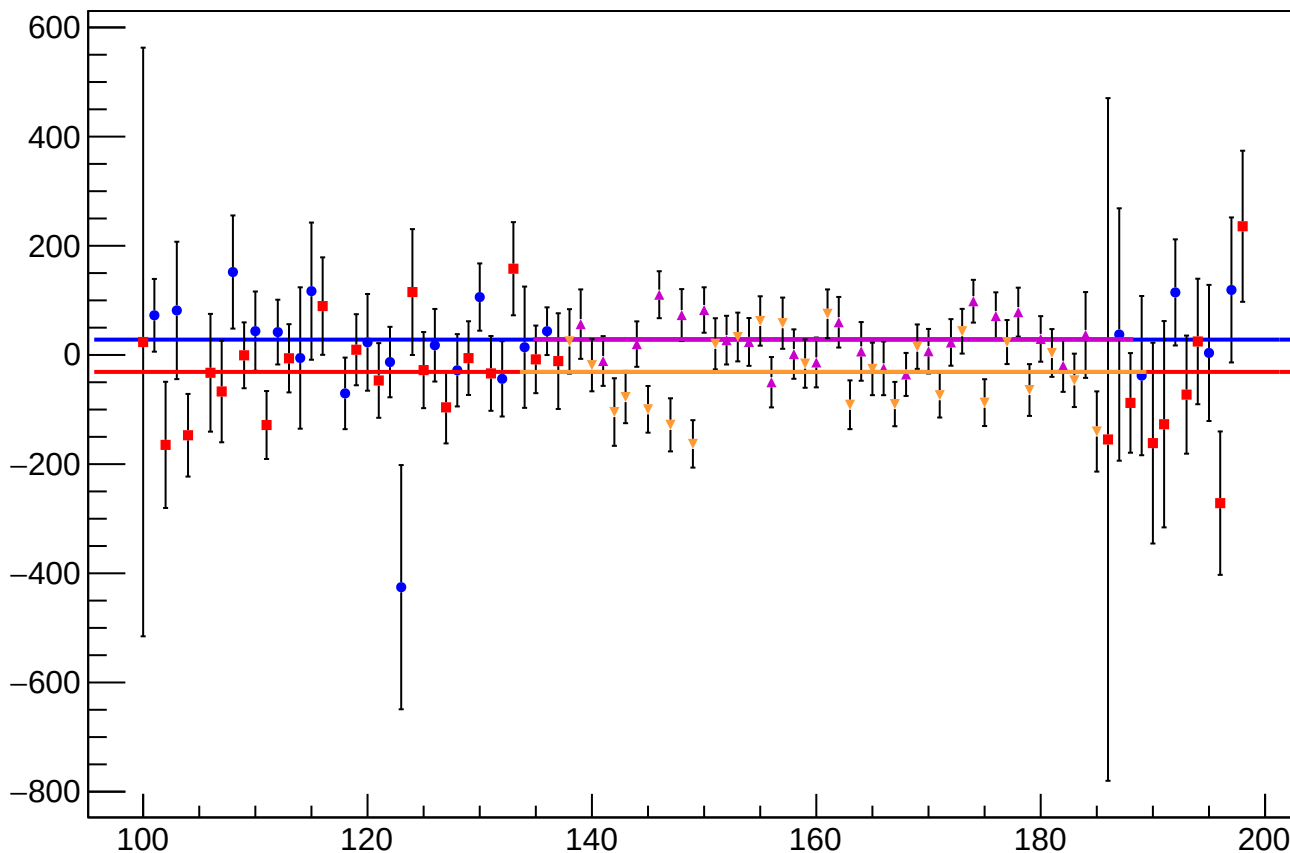
Left In: 339.621 ± 0.058 $\chi^2/\text{NDF}: 379808.1/22$

+ sign 370.294 ± 0.051 $\chi^2/\text{NDF}: 3879705.0/46$

All: 374.832 ± 0.036 $\chi^2/\text{NDF}: 9203873.8/96$

- sign 379.474 ± 0.052 $\chi^2/\text{NDF}: 5308297.6/49$

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 28.109 ± 17.091 χ^2/NDF : 14.6/21

Left Out: -31.063 ± 9.170 χ^2/NDF : 52.6/24

Right Out: -31.053 ± 16.350 χ^2/NDF : 25.4/26

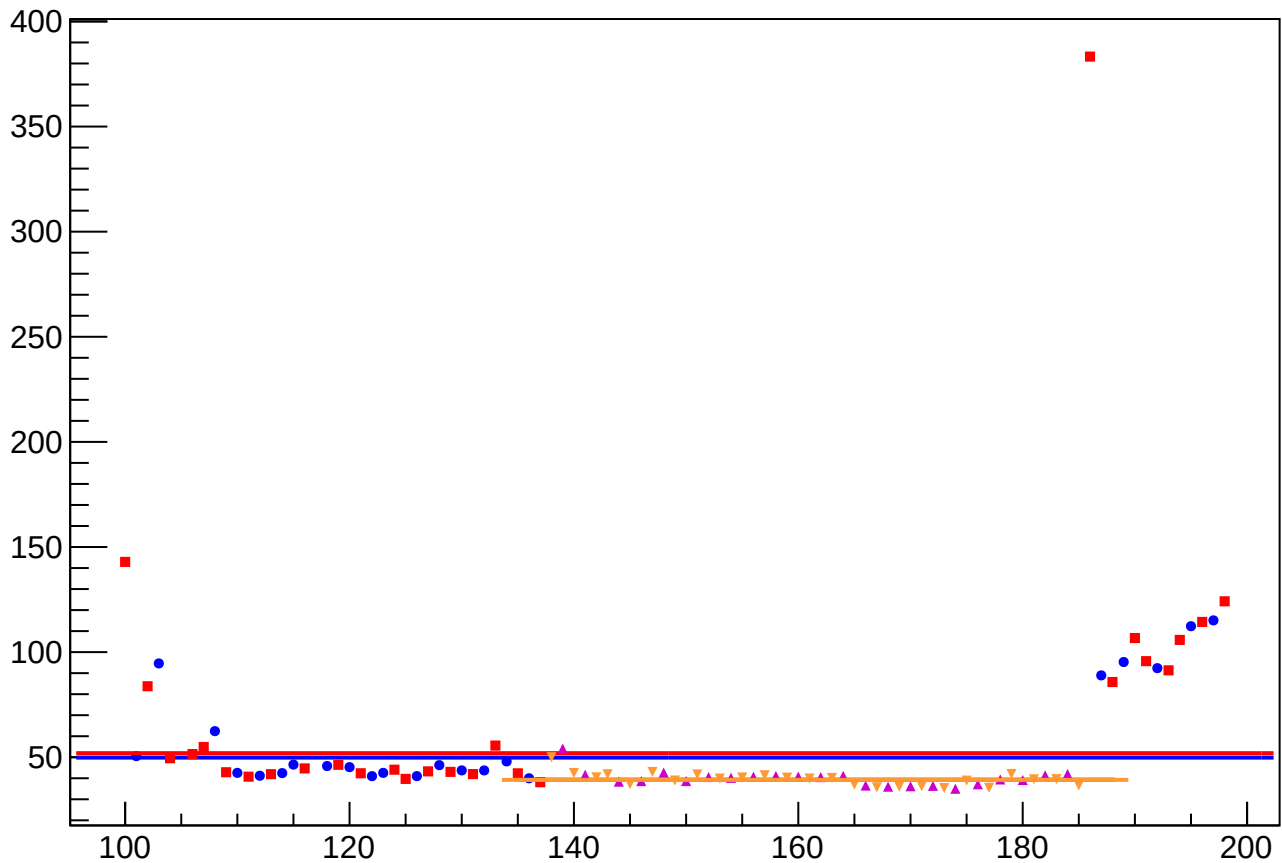
Left In: 29.055 ± 9.449 χ^2/NDF : 22.4/22

+ sign -17.837 ± 8.080 χ^2/NDF : 76.5/46

All: -2.114 ± 5.749 χ^2/NDF : 142.1/96

- sign 14.005 ± 8.181 χ^2/NDF : 58.0/49

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 49.831+/-0.012 χ^2/NDF : 2204350.1/21

Left Out: 39.235+/-0.006 χ^2/NDF : 201960.7/24

Right Out: 51.937+/-0.012 χ^2/NDF : 3545966.3/26

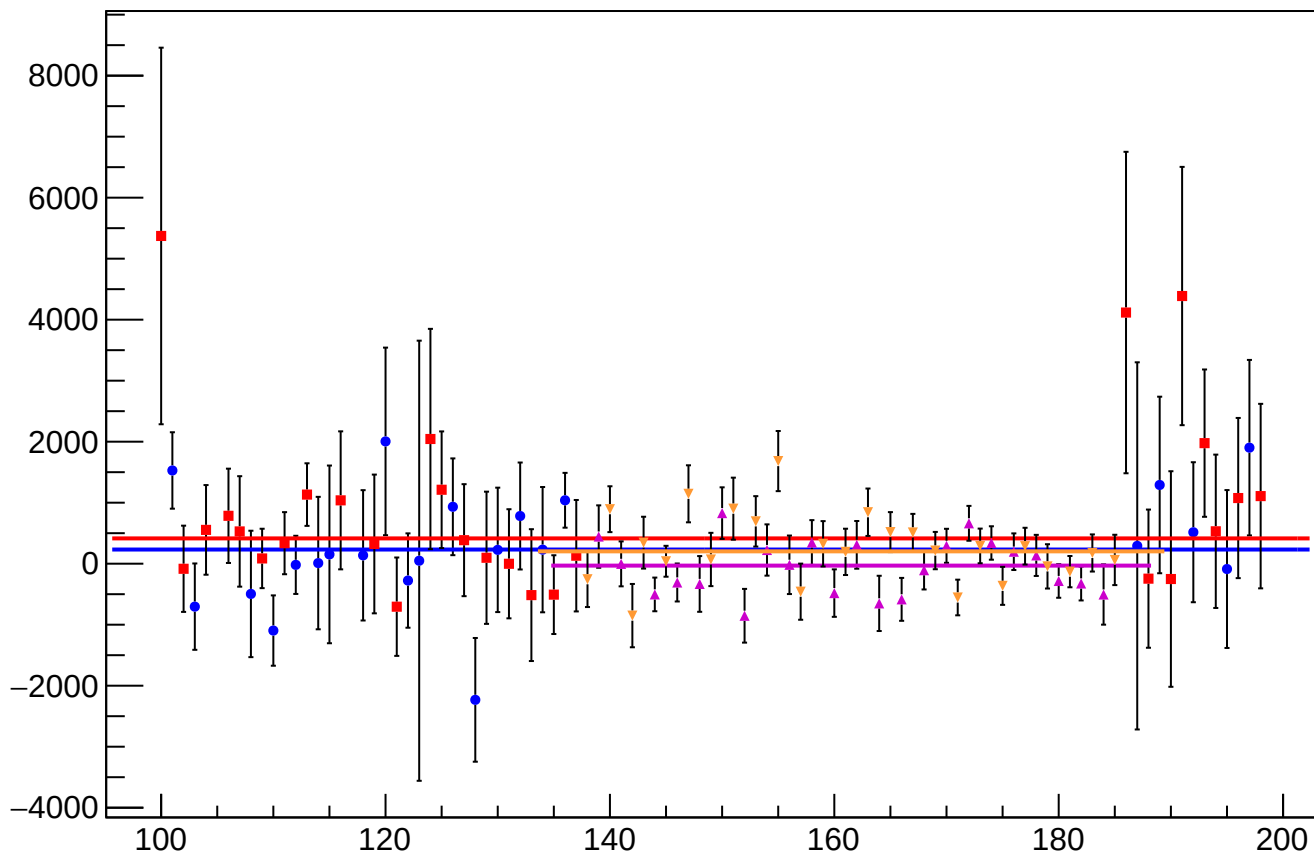
Left In: 39.338+/-0.007 χ^2/NDF : 215671.3/22

+ sign 41.603+/-0.006 χ^2/NDF : 3003184.7/46

All: 42.042+/-0.004 χ^2/NDF : 7666906.4/96

- sign 42.493+/-0.006 χ^2/NDF : 4651757.1/49

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 232.099 ± 181.340 χ^2/NDF : 26.2/21

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 414.544 ± 169.581 χ^2/NDF : 20.8/26

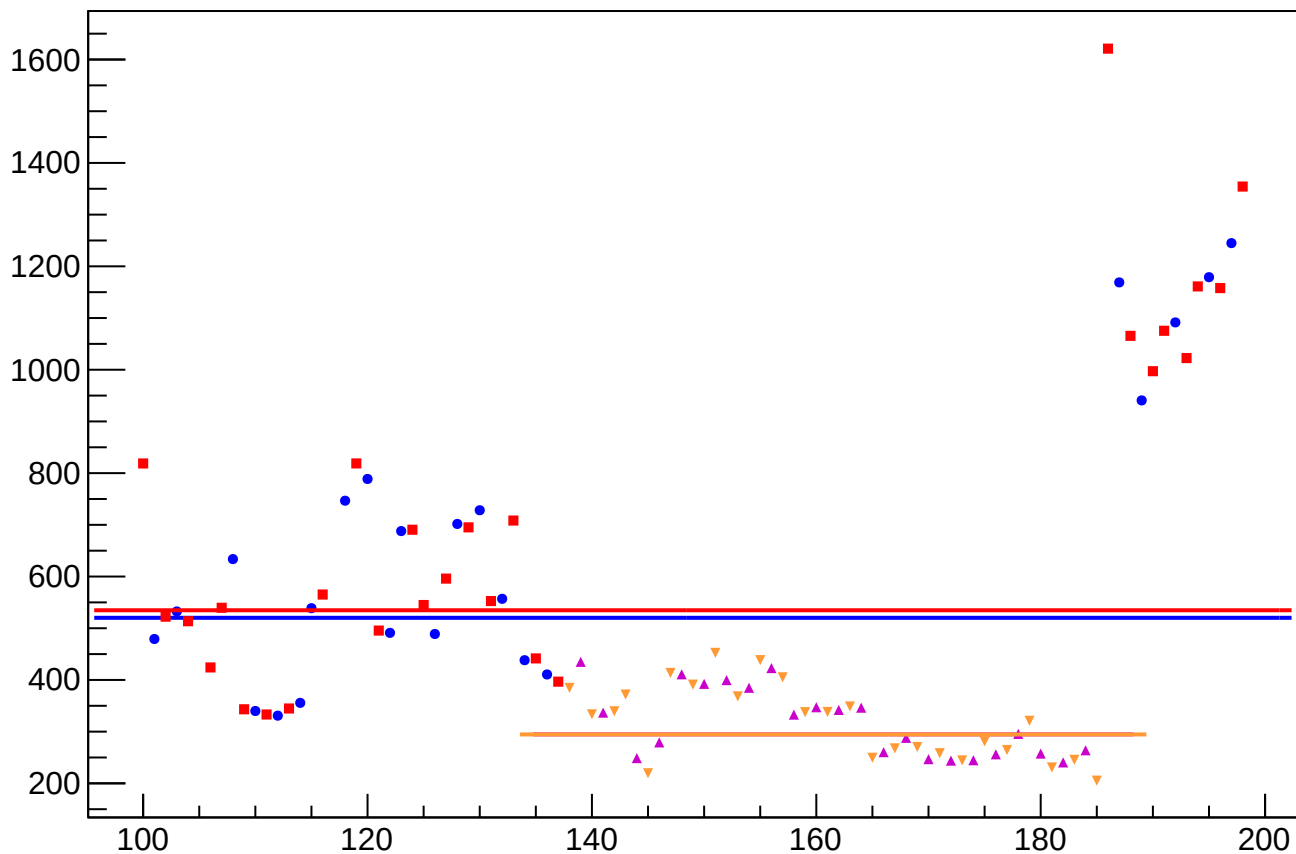
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 206.266 ± 65.649 χ^2/NDF : 71.1/46

All: 122.408 ± 46.667 χ^2/NDF : 134.5/96

- sign 36.745 ± 66.352 χ^2/NDF : 60.1/49

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 520.191 $\pm$ 0.128 χ^2 /NDF: 2817680.2/21

Left Out: 294.591 $\pm$ 0.050 χ^2 /NDF:1680474.5/24

Right Out: 534.783 $\pm$ 0.120 χ^2 /NDF: 4204009.2/26

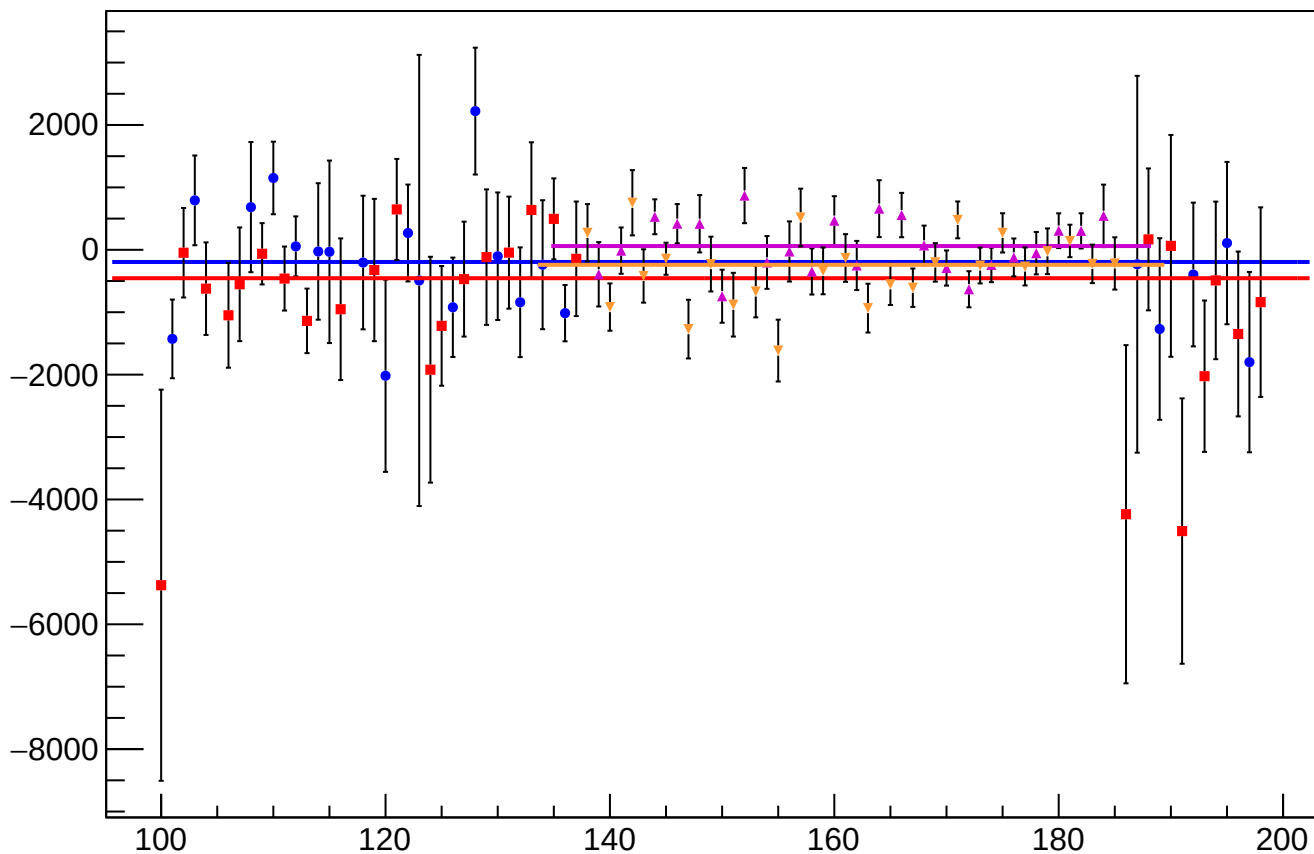
Left In: 294.722 $\pm$ 0.051 χ^2 /NDF:1297310.3/22

+ sign 324.158 $\pm$ 0.046 χ^2 /NDF: 7187885.9/46

All: 327.777 $\pm$ 0.033 χ^2 /NDF: 16095830.8/96

- sign 331.473 $\pm$ 0.047 χ^2 /NDF: 8895661.3/49

asym_sam_15_37_dd_mean vs Slug



Right In: -194.825 ± 182.439 χ^2/NDF : 26.0/21

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -455.274 ± 171.263 χ^2/NDF : 20.8/26

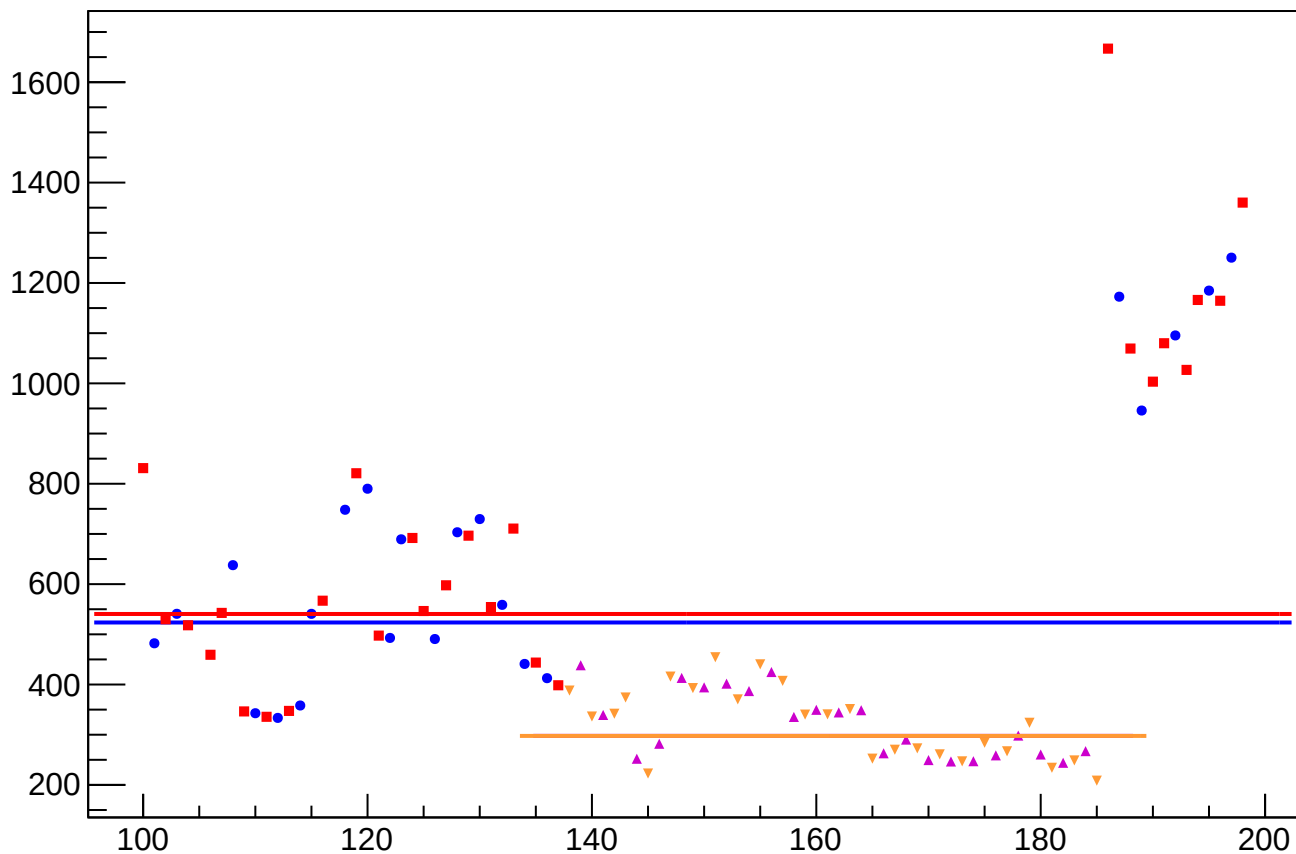
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -234.353 ± 66.247 χ^2/NDF : 69.0/46

All: -127.656 ± 47.104 χ^2/NDF : 133.7/96

- sign -18.556 ± 66.989 χ^2/NDF : 59.4/49

asym_sam_15_37_dd_rms vs Slug



Right In: 523.595 $\pm$ 0.129 χ^2 /NDF: 2802789.4/21

Left Out: 297.613 $\pm$ 0.050 χ^2 /NDF:1637757.8/24

Right Out: 540.539 $\pm$ 0.121 χ^2 /NDF: 4167018.3/26

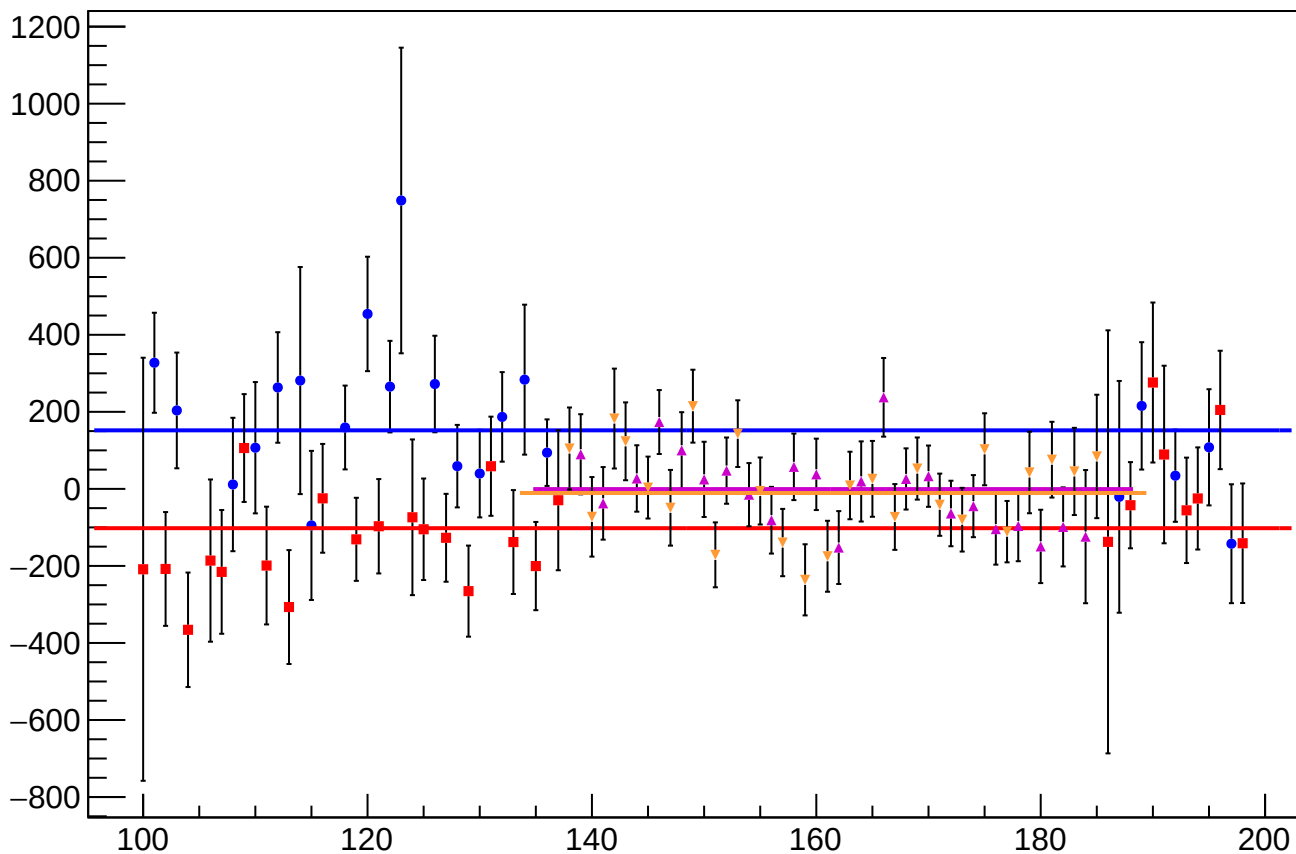
Left In: 297.699 $\pm$ 0.051 χ^2 /NDF:1266306.2/22

+ sign 327.410 $\pm$ 0.047 χ^2 /NDF: 7104551.1/46

All: 331.090 $\pm$ 0.033 χ^2 /NDF: 15956242.1/96

- sign 334.853 $\pm$ 0.047 χ^2 /NDF: 8839209.9/49

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 151.946 $\pm$ 29.734 χ^2 /NDF: 21.2/21

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: -102.049 $\pm$ 28.063 χ^2 /NDF: 22.6/26

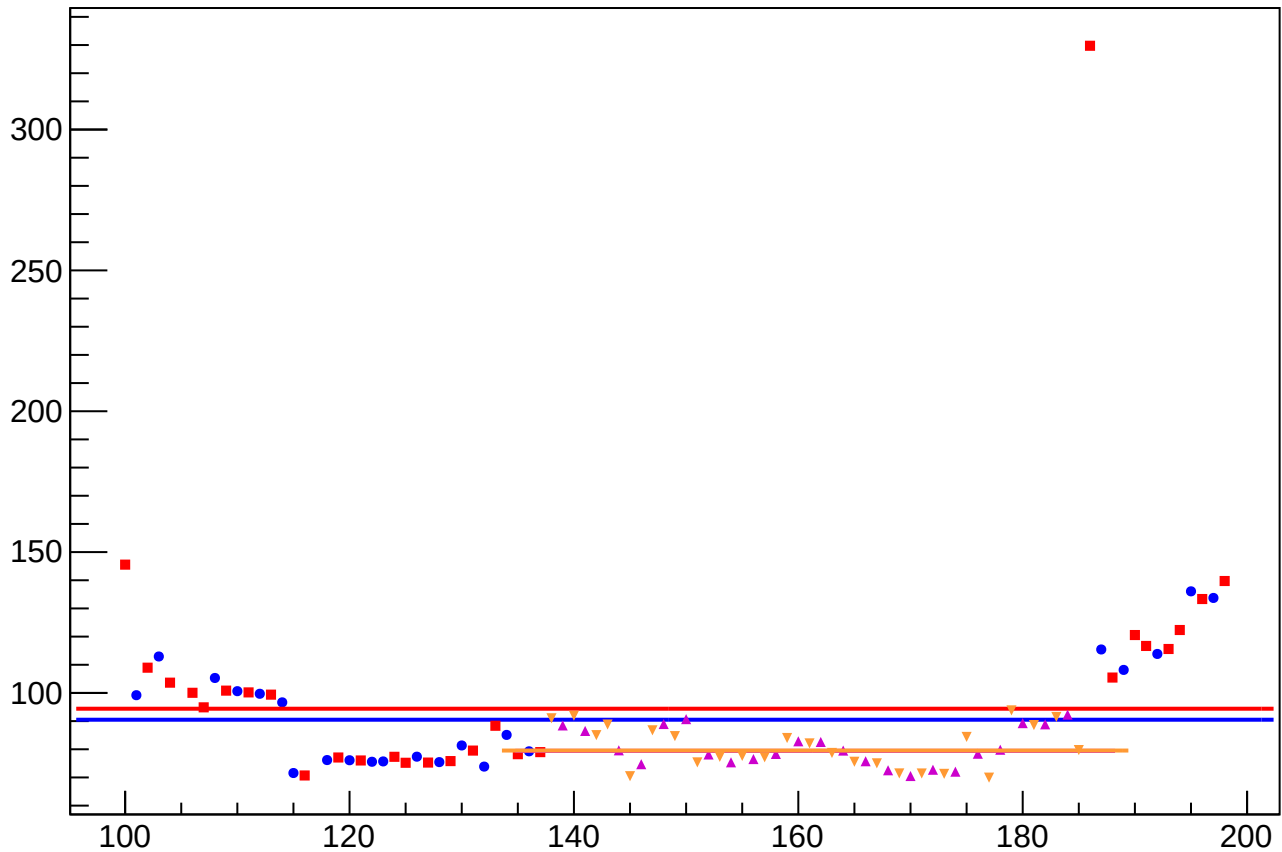
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 35.102 $\pm$ 15.775 χ^2 /NDF: 79.1/46

All: 1.233 $\pm$ 11.158 χ^2 /NDF: 143.6/96

- sign -32.679 $\pm$ 15.785 χ^2 /NDF: 55.3/49

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.492 ± 0.021 $\chi^2/\text{NDF}: 794296.0/21$

Left Out: 79.551 ± 0.013 $\chi^2/\text{NDF}: 309075.2/24$

Right Out: 94.399 ± 0.020 $\chi^2/\text{NDF}: 1328522.4/26$

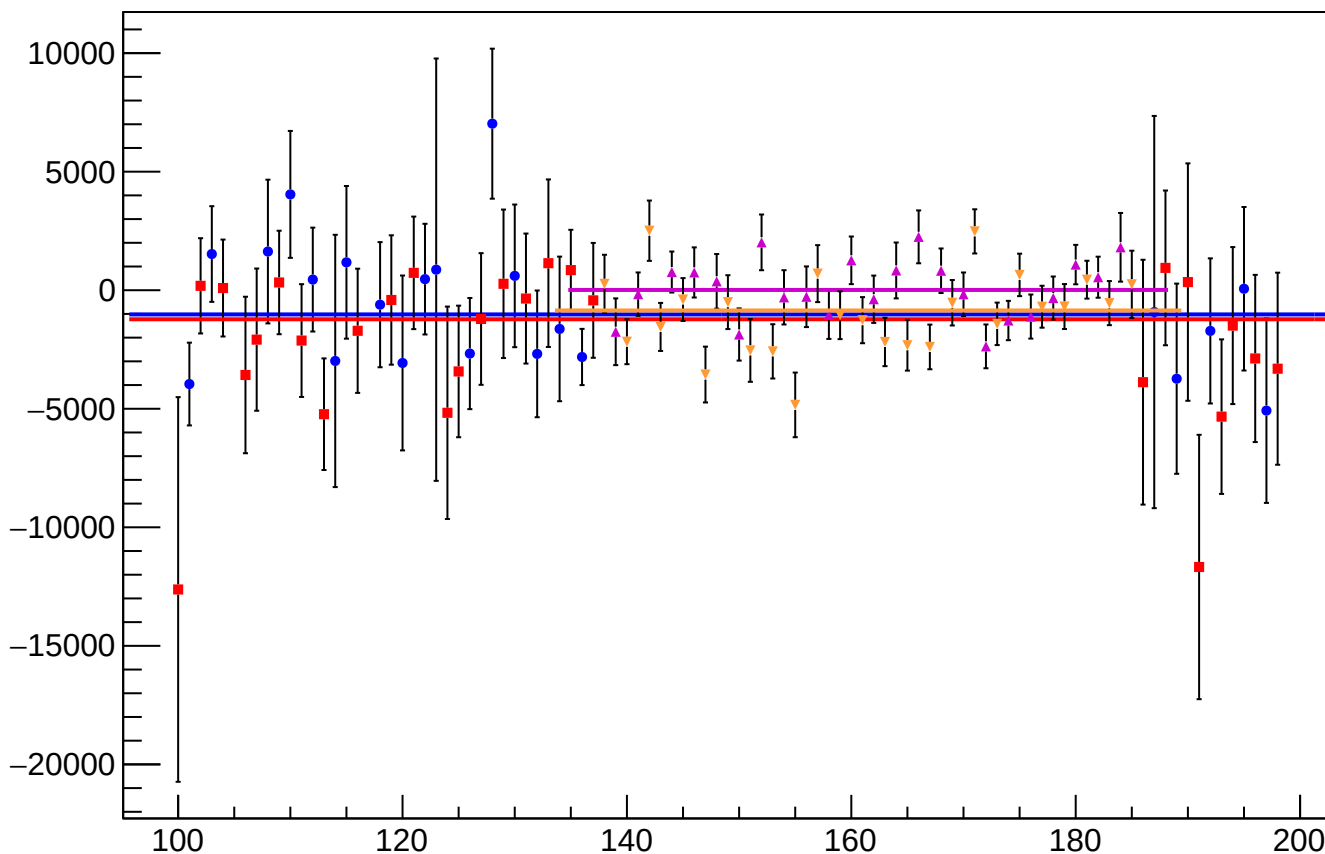
Left In: 79.436 ± 0.013 $\chi^2/\text{NDF}: 212440.1/22$

+ sign 82.630 ± 0.011 $\chi^2/\text{NDF}: 1297945.2/46$

All: 83.400 ± 0.008 $\chi^2/\text{NDF}: 3237101.6/96$

- sign 84.170 ± 0.011 $\chi^2/\text{NDF}: 1929633.8/49$

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1020.553 ± 553.799 χ^2/NDF : 22.3/21

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1225.037 ± 542.237 χ^2/NDF : 18.0/26

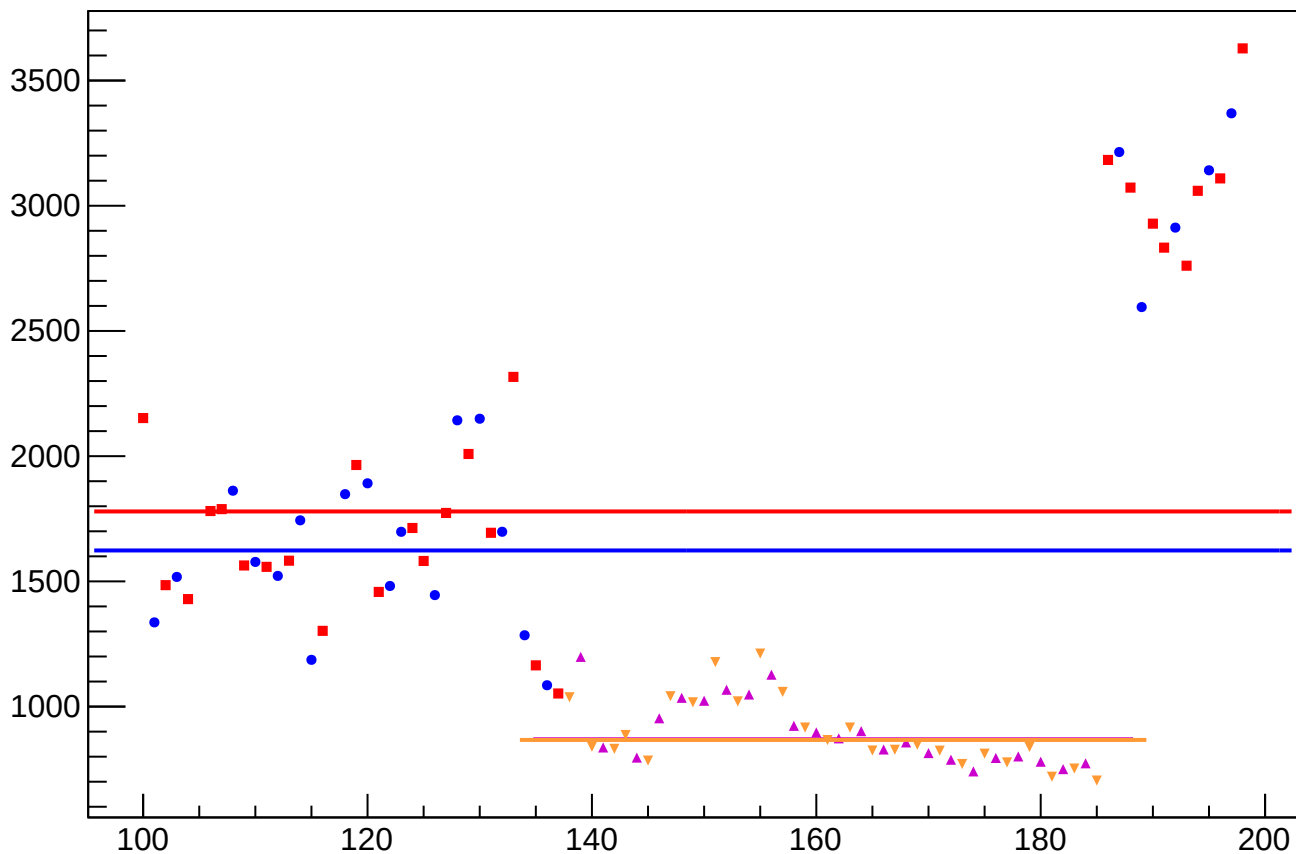
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -874.029 ± 191.500 χ^2/NDF : 78.3/46

All: -520.071 ± 136.935 χ^2/NDF : 139.0/96

- sign -149.712 ± 195.886 χ^2/NDF : 53.7/49

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1623.477 ± 0.392 $\chi^2/\text{NDF}: 2048429.6/21$

Left Out: 866.893 ± 0.144 $\chi^2/\text{NDF}: 661712.5/24$

Right Out: 1779.273 ± 0.383 $\chi^2/\text{NDF}: 2599896.9/26$

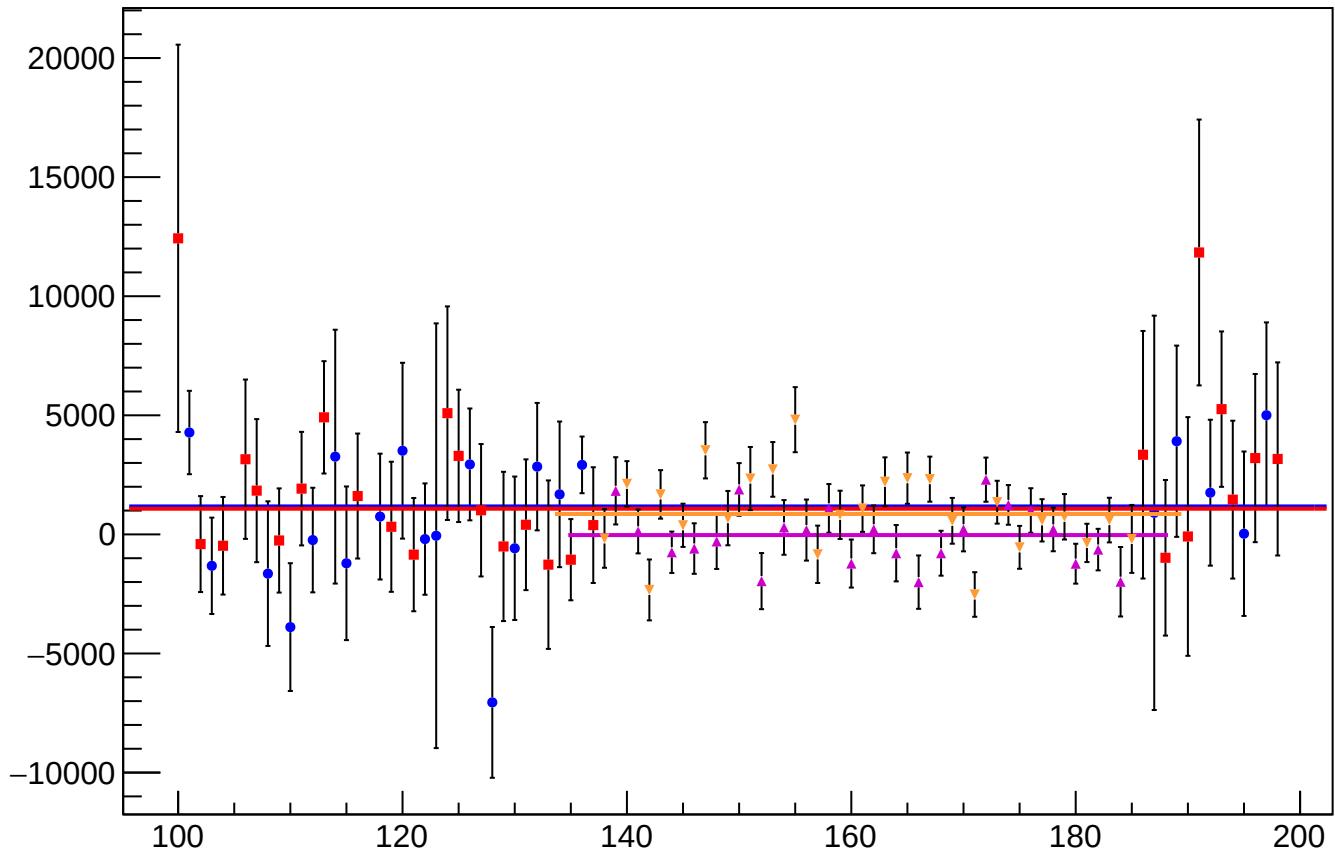
Left In: 869.569 ± 0.149 $\chi^2/\text{NDF}: 582301.2/22$

+ sign 957.360 ± 0.135 $\chi^2/\text{NDF}: 5996636.1/46$

All: 972.475 ± 0.097 $\chi^2/\text{NDF}: 14098952.6/96$

- sign 988.290 ± 0.139 $\chi^2/\text{NDF}: 8076819.9/49$

asym_sam_24_68_dd_mean vs Slug



Right In: 1174.051 $\pm$ 554.880 χ^2 /NDF: 22.8/21

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF: 54.1/24

Right Out: 1078.145 $\pm$ 543.369 χ^2 /NDF: 17.9/26

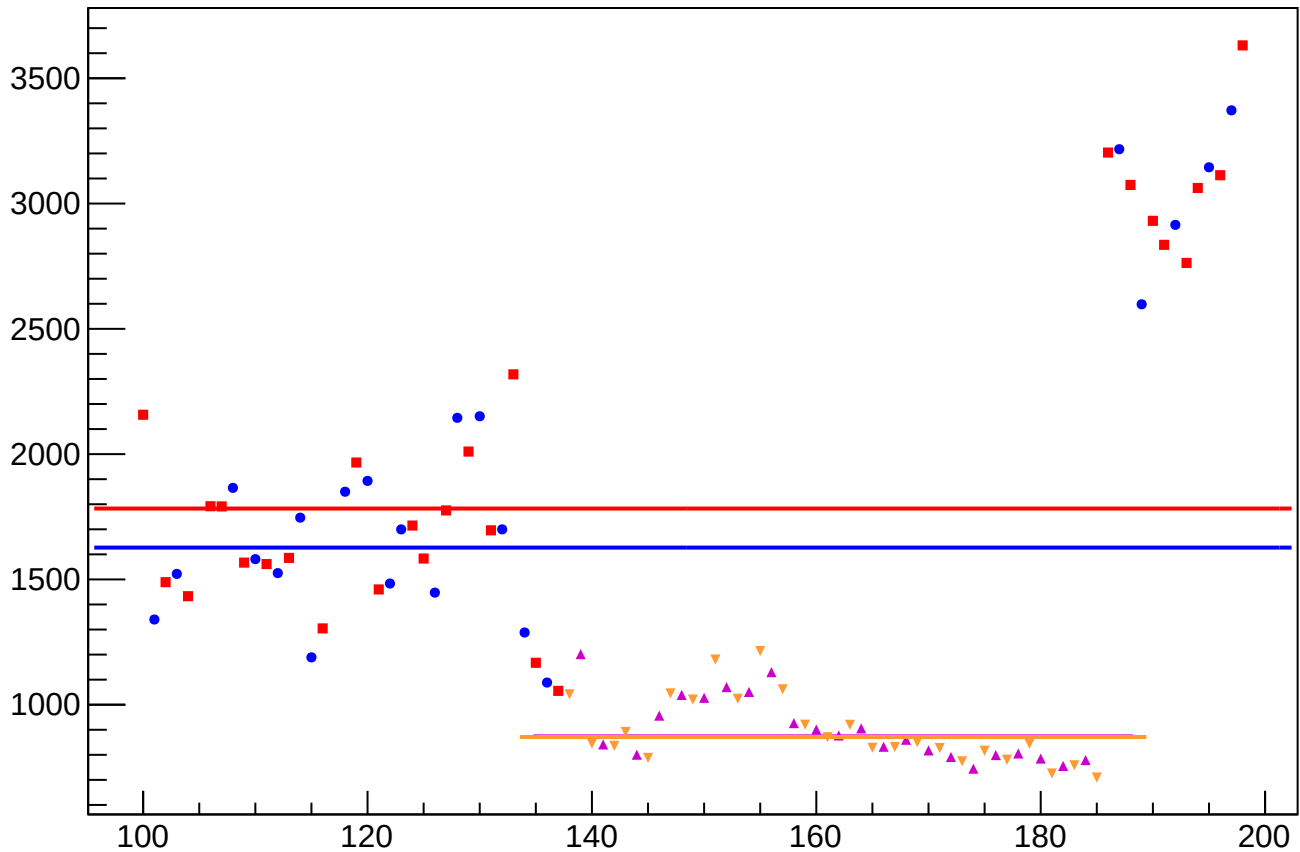
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 893.918 $\pm$ 192.335 χ^2 /NDF: 77.1/46

All: 513.968 $\pm$ 137.525 χ^2 /NDF: 136.4/96

- sign 116.501 $\pm$ 196.718 χ^2 /NDF: 51.3/49

asym_sam_24_68_dd_rms vs Slug



Right In: 1627.028+/-0.392 χ^2/NDF : 2040978.9/21

Left Out: 871.109+/-0.145 χ^2/NDF : 651751.1/24

Right Out: 1782.905+/-0.384 χ^2/NDF : 2594272.9/26

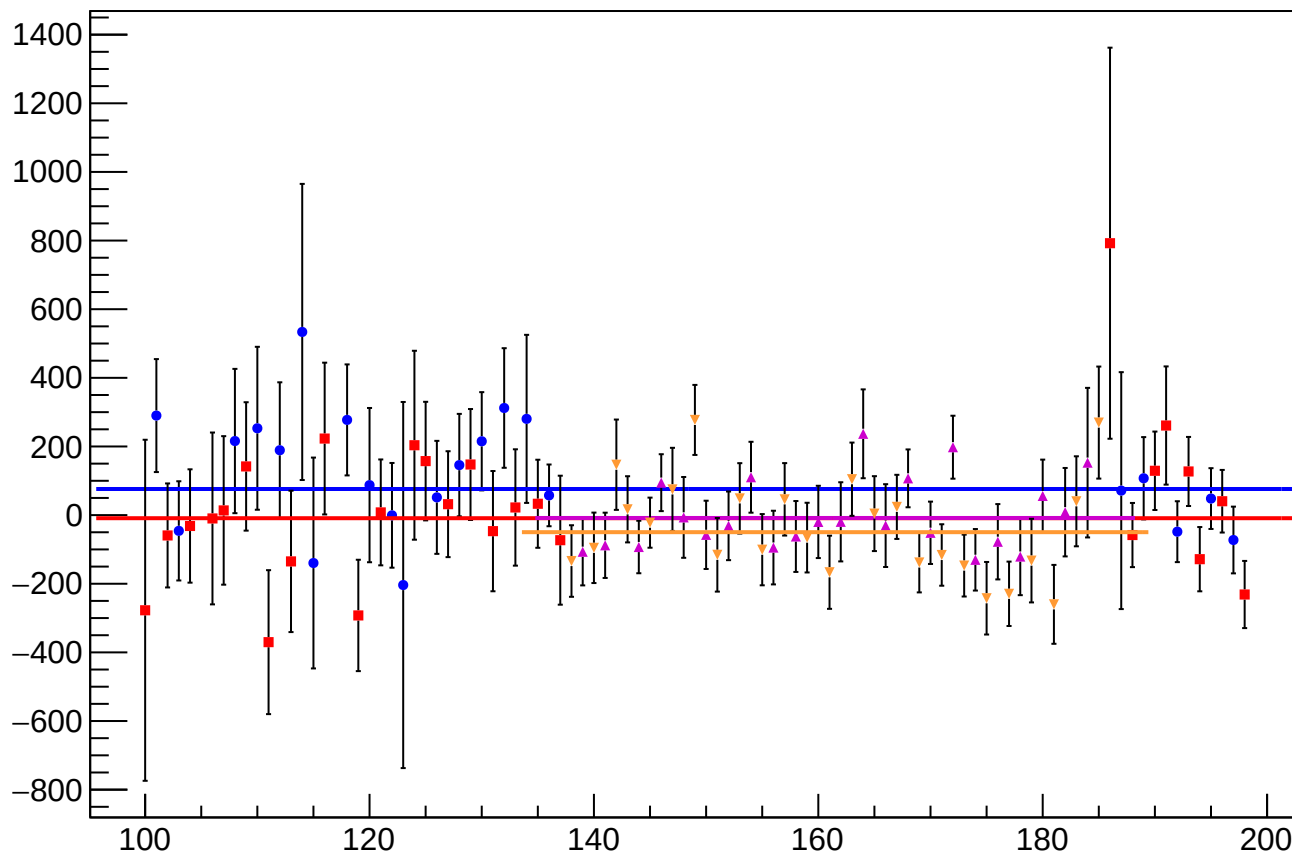
Left In: 873.675+/-0.149 χ^2/NDF : 573822.5/22

+ sign 961.931+/-0.136 χ^2/NDF : 5958550.5/46

All: 977.041+/-0.097 χ^2/NDF : 14017917.7/96

- sign 992.847+/-0.139 χ^2/NDF : 8034112.5/49

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 76.099 ± 31.416 χ^2/NDF : 15.7/21

Left Out: -49.717 ± 20.580 χ^2/NDF : 39.4/24

Right Out: -9.035 ± 28.337 χ^2/NDF : 26.5/26

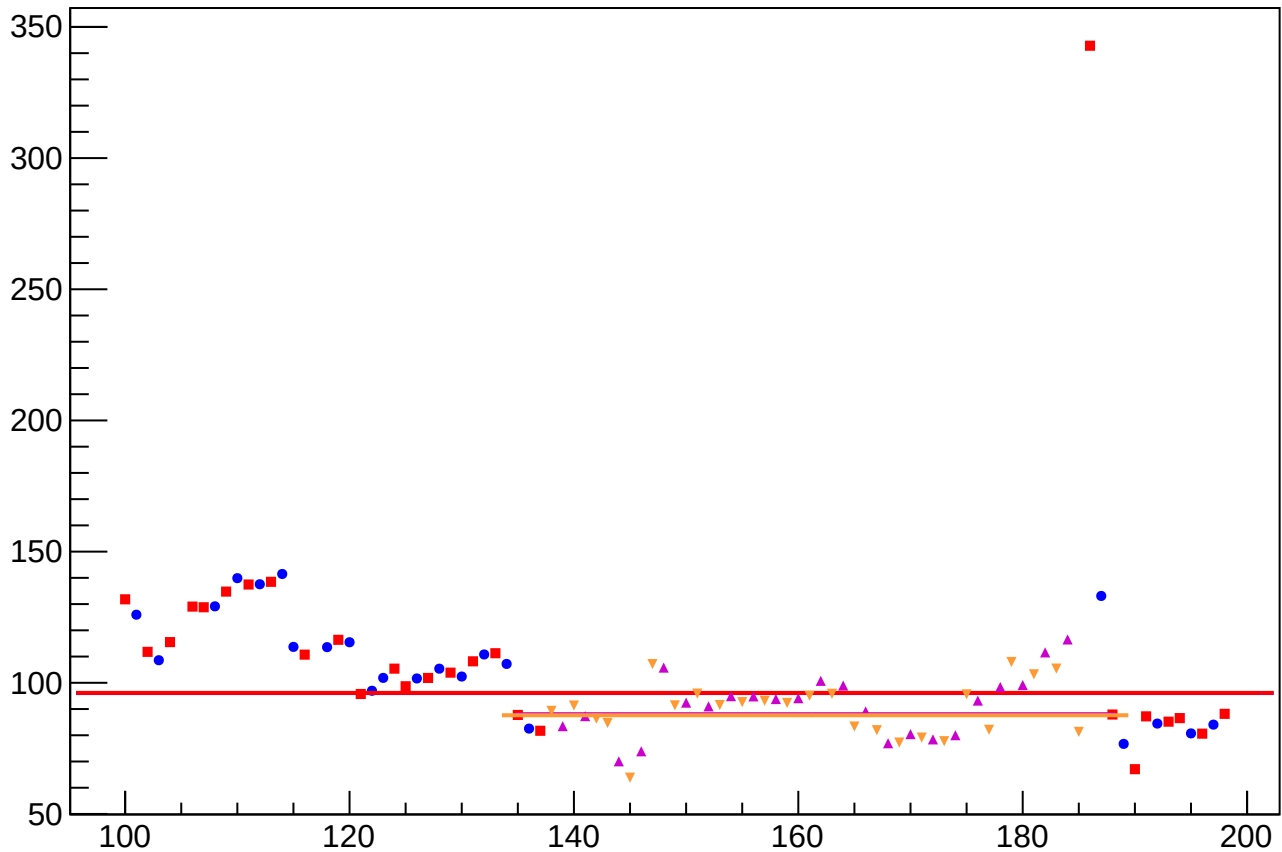
Left In: -8.343 ± 21.271 χ^2/NDF : 22.0/22

+ sign -11.937 ± 17.215 χ^2/NDF : 66.3/46

All: -10.245 ± 12.100 χ^2/NDF : 114.8/96

- sign -8.592 ± 17.012 χ^2/NDF : 48.5/49

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 96.094 $\pm$ 0.022 χ^2 /NDF: 631689.0/21

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 96.150 $\pm$ 0.020 χ^2 /NDF: 1123433.8/26

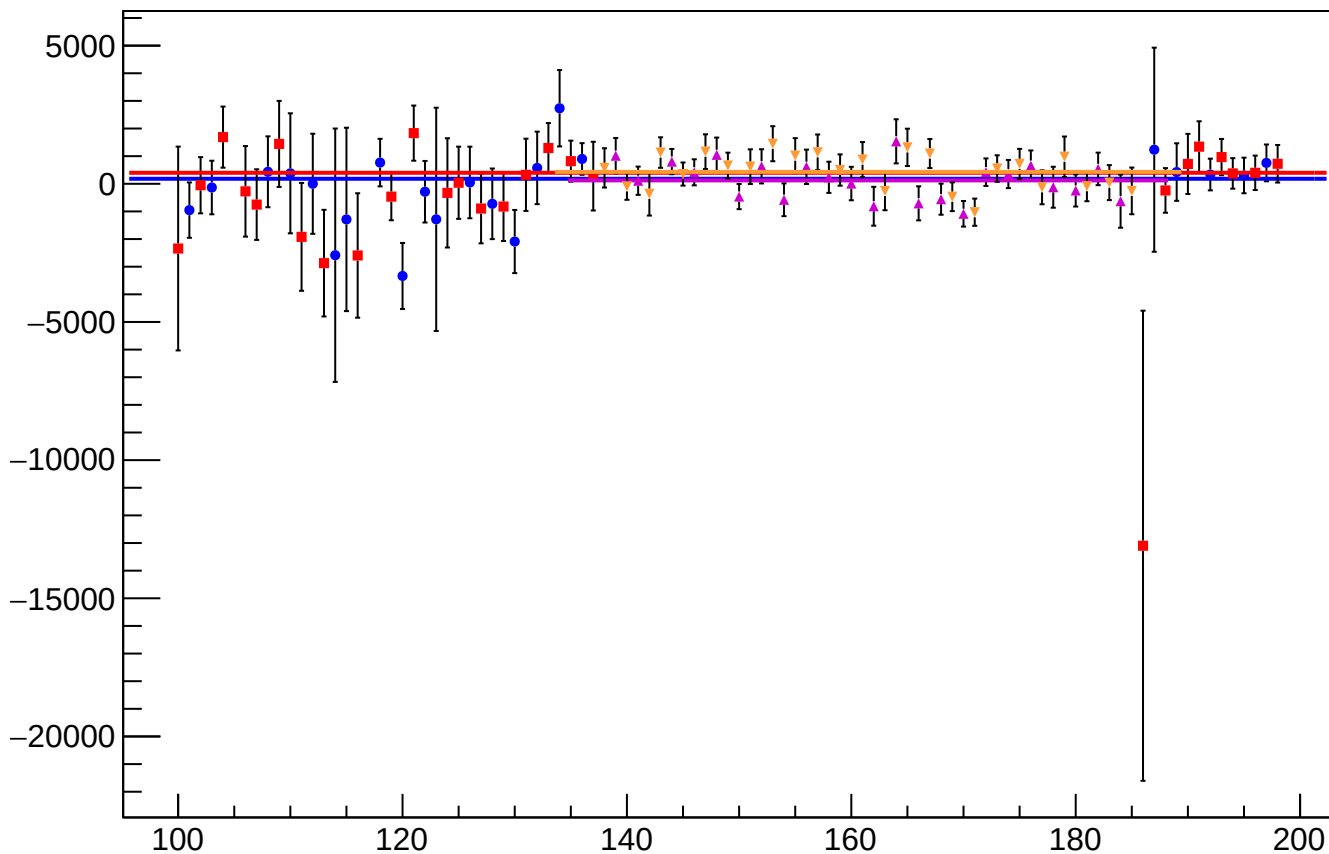
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 90.168 $\pm$ 0.012 χ^2 /NDF: 1288058.8/46

All: 90.568 $\pm$ 0.009 χ^2 /NDF: 3042308.4/96

- sign 90.958 $\pm$ 0.012 χ^2 /NDF: 1752121.2/49

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 181.886 $\pm$ 217.801 χ^2 /NDF: 22.0/21

Left Out: 431.658 $\pm$ 115.706 χ^2 /NDF: 30.5/24

Right Out: 398.257 $\pm$ 193.686 χ^2 /NDF: 21.5/26

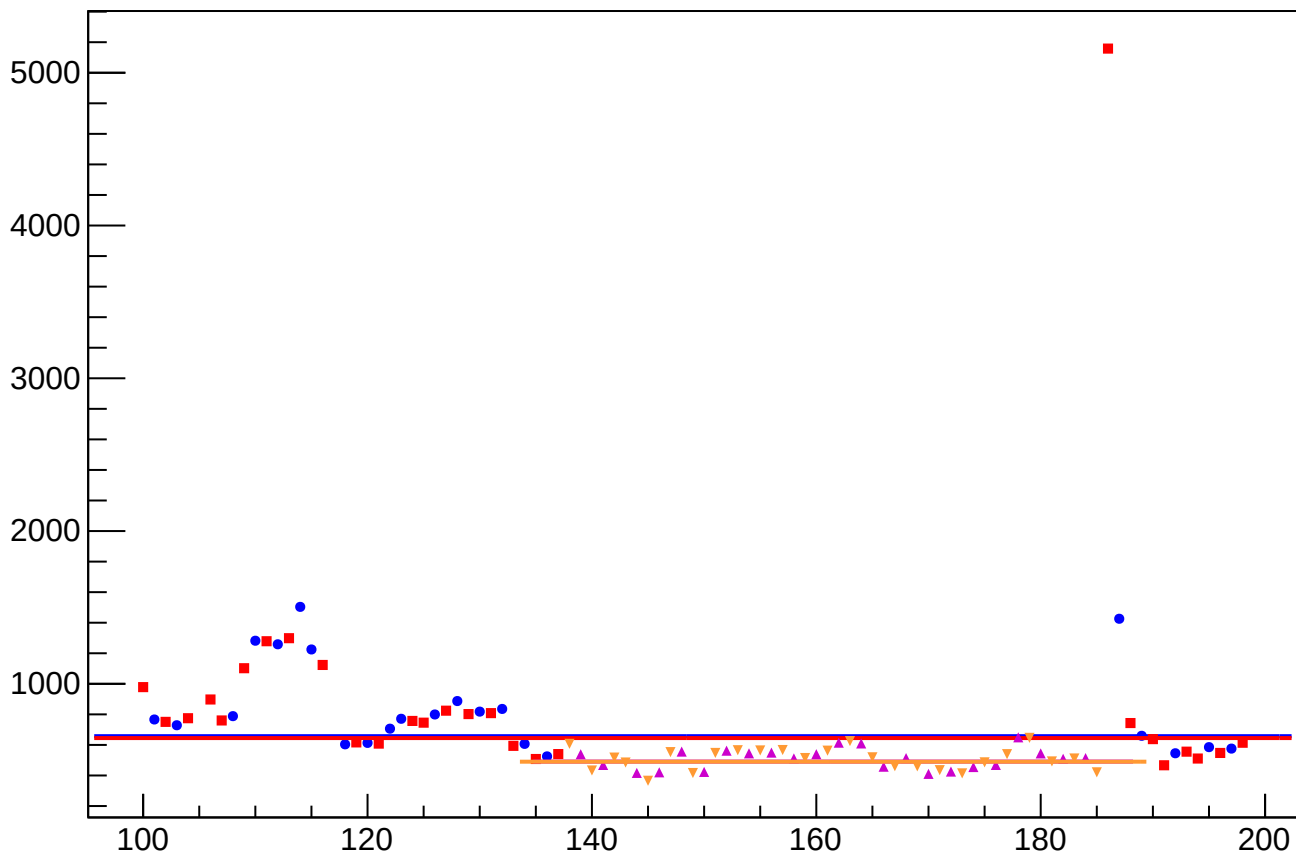
Left In: 123.017 $\pm$ 118.849 χ^2 /NDF: 29.3/22

+ sign 376.682 $\pm$ 102.182 χ^2 /NDF: 53.5/46

All: 286.719 $\pm$ 71.939 χ^2 /NDF: 107.2/96

- sign 198.304 $\pm$ 101.299 χ^2 /NDF: 52.2/49

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 657.280 $\pm$ 0.154 χ^2 /NDF: 1076602.5/21

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

+ sign 527.027 $\pm$ 0.072 χ^2 /NDF: 2744043.0/46

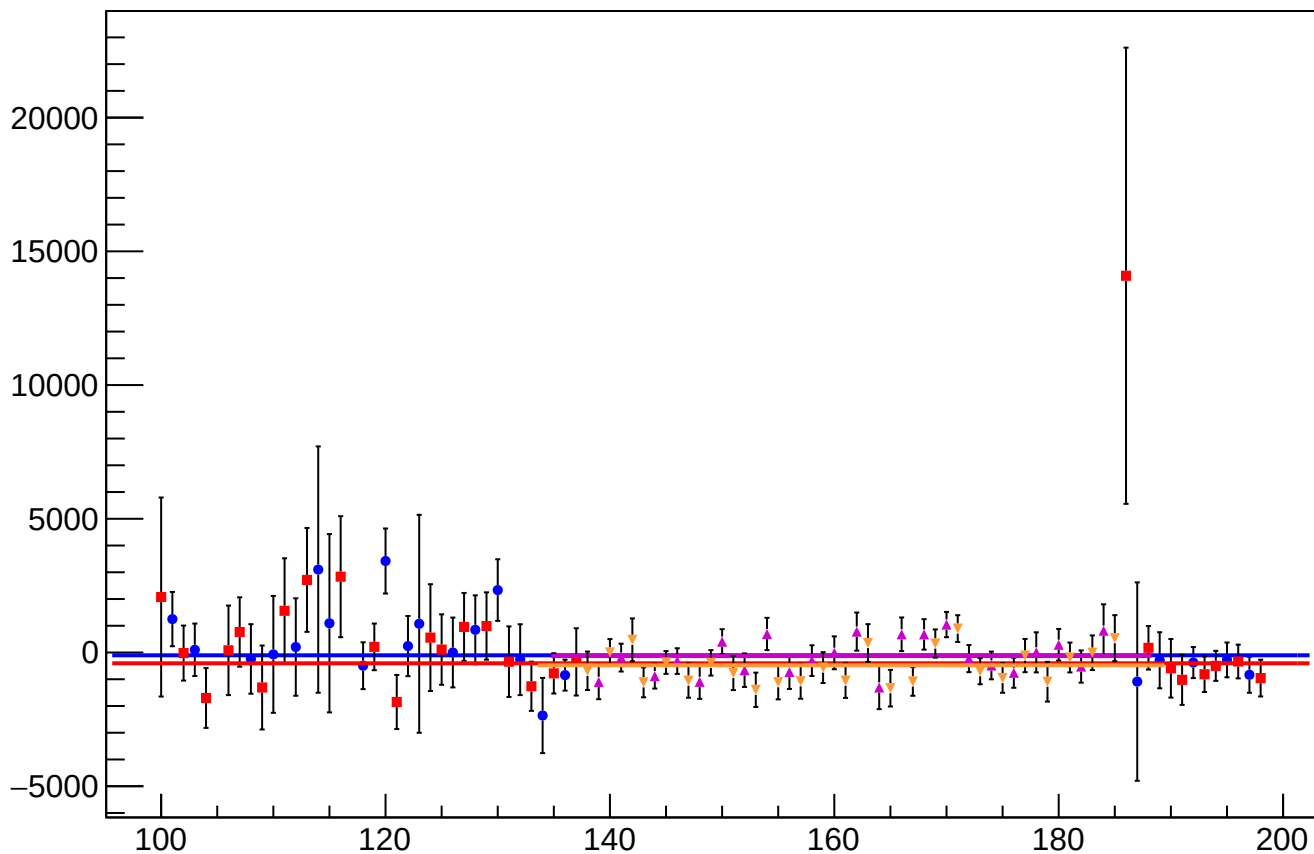
Right Out: 644.873 $\pm$ 0.137 χ^2 /NDF: 1923480.0/26

All: 530.051 $\pm$ 0.051 χ^2 /NDF: 6178313.4/96

Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

- sign 533.024 $\pm$ 0.072 χ^2 /NDF: 3430796.4/49

asym_sam_26_48_dd_mean vs Slug



Right In: -104.464 ± 220.327 χ^2/NDF : 22.1/21

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -403.877 ± 196.092 χ^2/NDF : 20.1/26

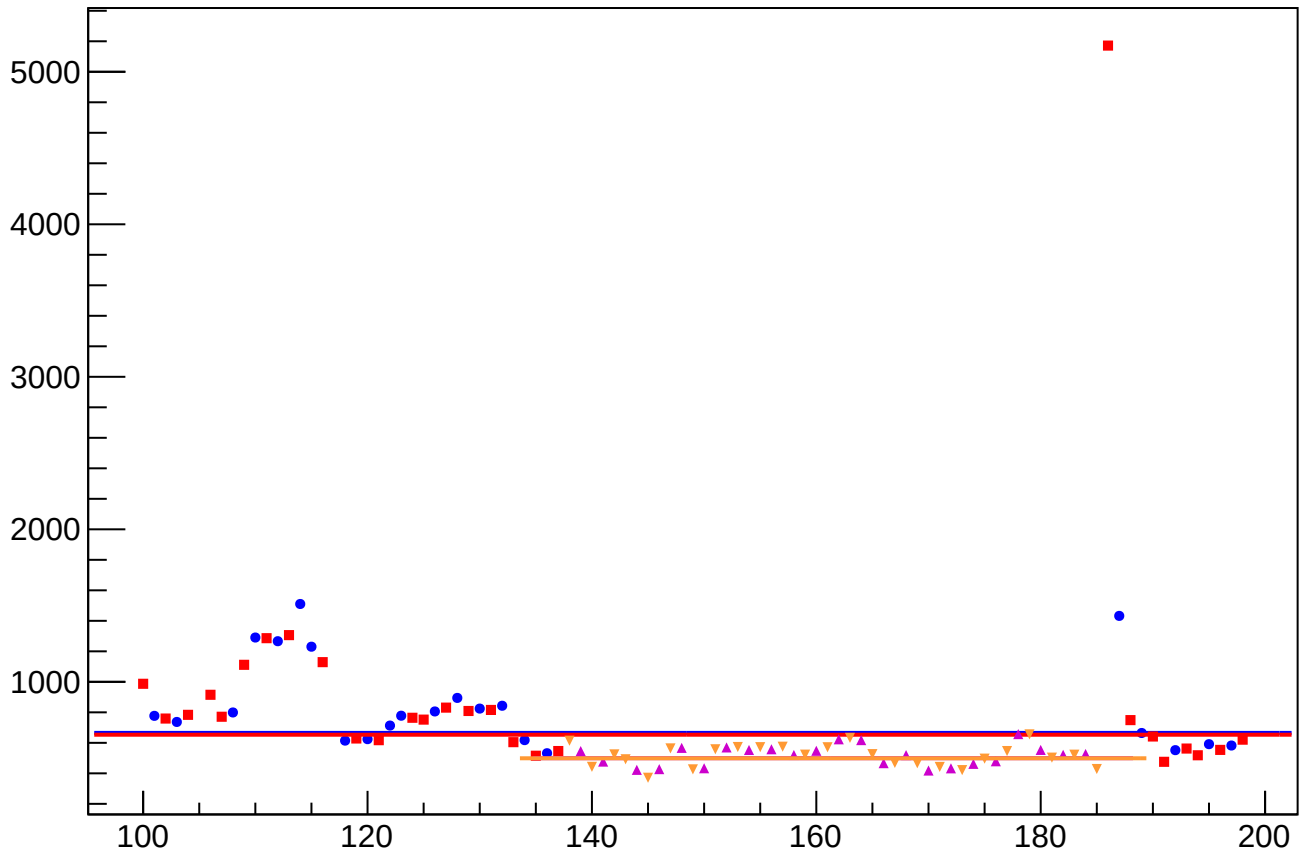
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -395.267 ± 103.787 χ^2/NDF : 52.1/46

All: -300.441 ± 73.070 χ^2/NDF : 104.8/96

- sign -207.246 ± 102.891 χ^2/NDF : 51.1/49

asym_sam_26_48_dd_rms vs Slug



Right In: 665.206 $\pm$ 0.156 χ^2 /NDF: 1063346.7/21

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 653.259 $\pm$ 0.139 χ^2 /NDF: 1900712.7/26

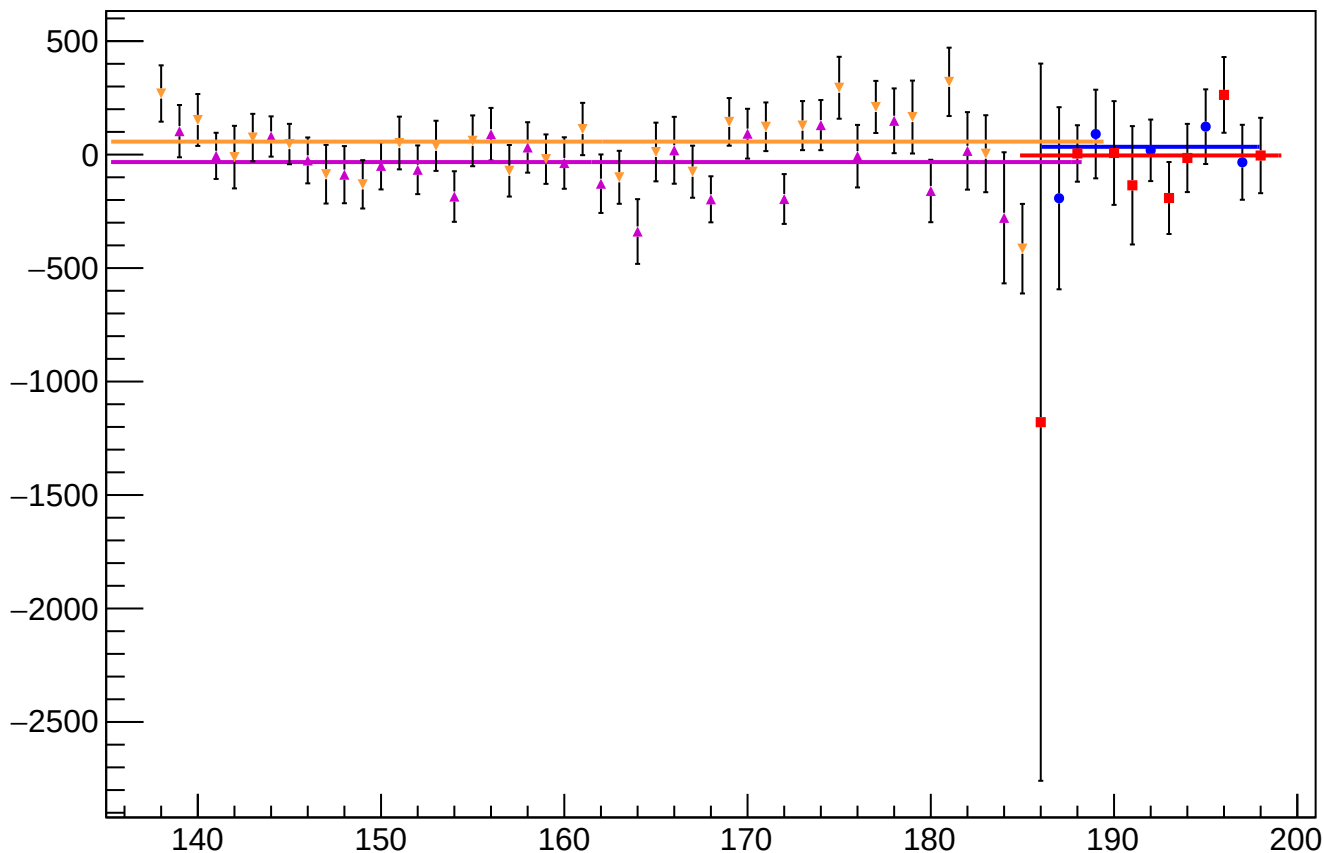
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 535.689 $\pm$ 0.073 χ^2 /NDF: 2685842.8/46

All: 538.749 $\pm$ 0.052 χ^2 /NDF: 6058901.8/96

- sign 541.755 $\pm$ 0.073 χ^2 /NDF: 3369613.8/49

reg_asym_sam_1548_avg_mean vs Slug



Right In: 34.345 ± 78.946 χ^2/NDF : 0.9/4

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: -3.757 ± 62.618 χ^2/NDF : 4.8/7

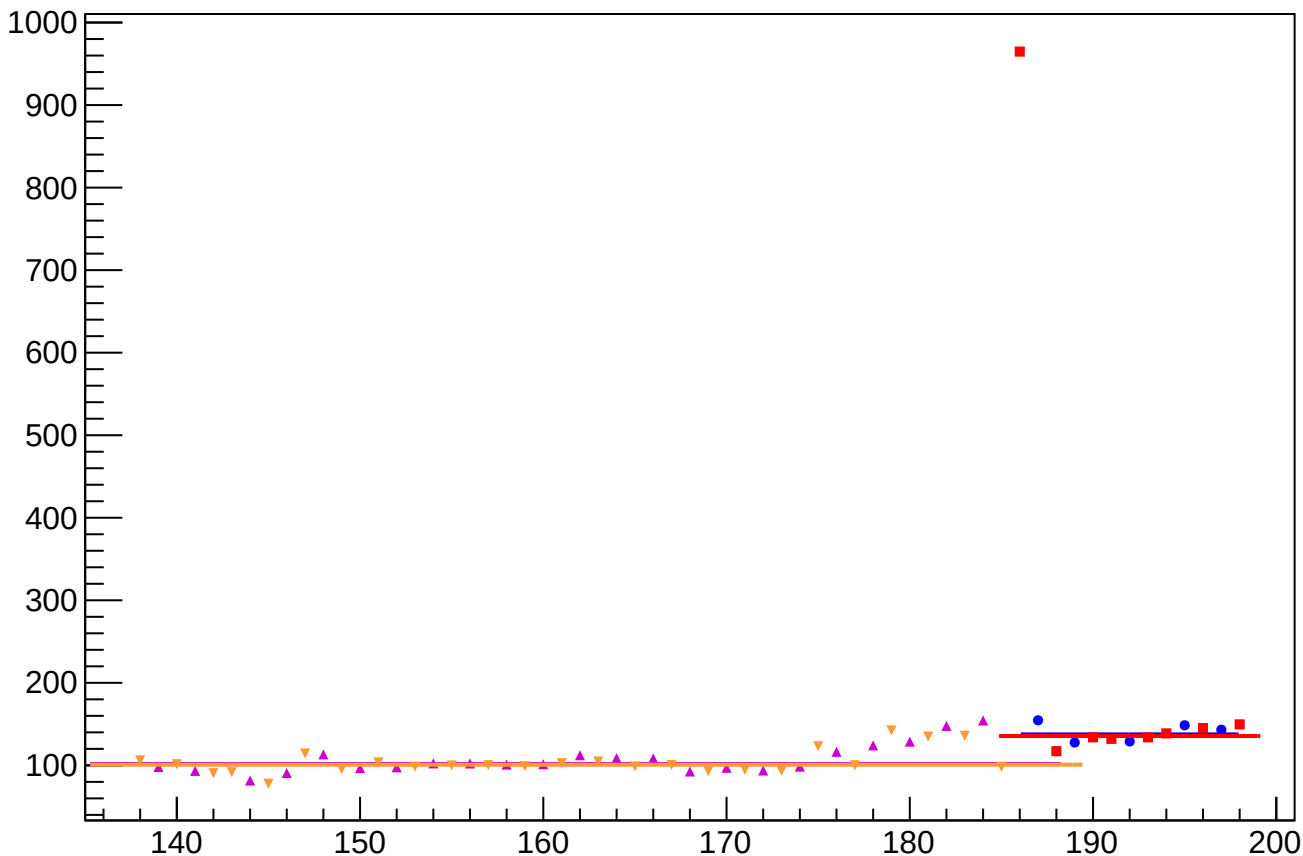
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 55.318 ± 22.711 χ^2/NDF : 30.1/29

All: 13.458 ± 16.121 χ^2/NDF : 65.6/60

- sign -29.049 ± 22.886 χ^2/NDF : 28.6/30

reg_asym_sam_1548_avg_rms vs Slug



Right In: 137.512 $\pm$ 0.056 χ^2 /NDF: 27956.7/4

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 135.550 $\pm$ 0.044 χ^2 /NDF: 616954.6/7

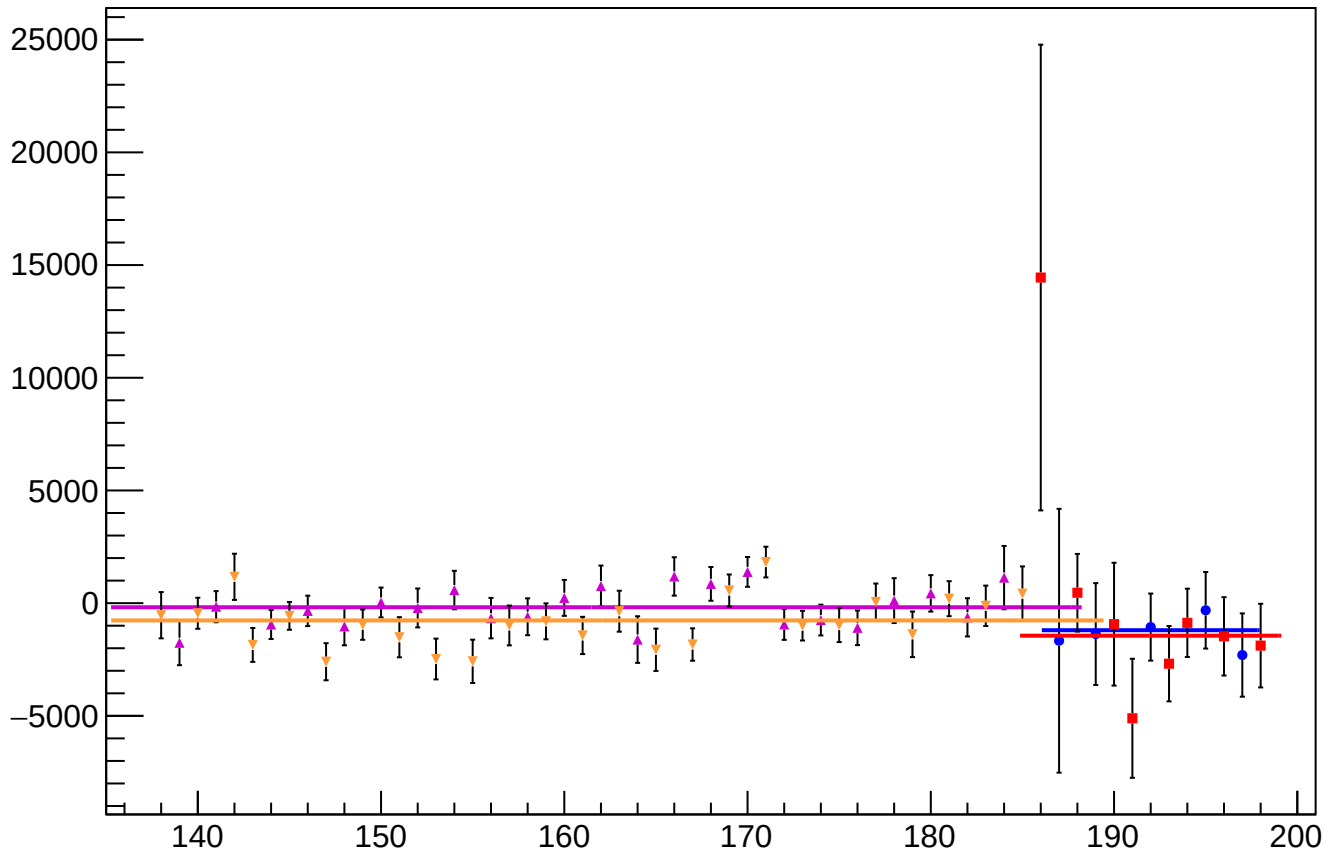
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 103.839 $\pm$ 0.016 χ^2 /NDF: 1025141.8/29

All: 104.987 $\pm$ 0.011 χ^2 /NDF: 2743475.6/60

- sign 106.154 $\pm$ 0.016 χ^2 /NDF: 1708020.6/30

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1200.330 ± 871.531 χ^2/NDF : 0.6/4

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1442.850 ± 700.252 χ^2/NDF : 6.3/7

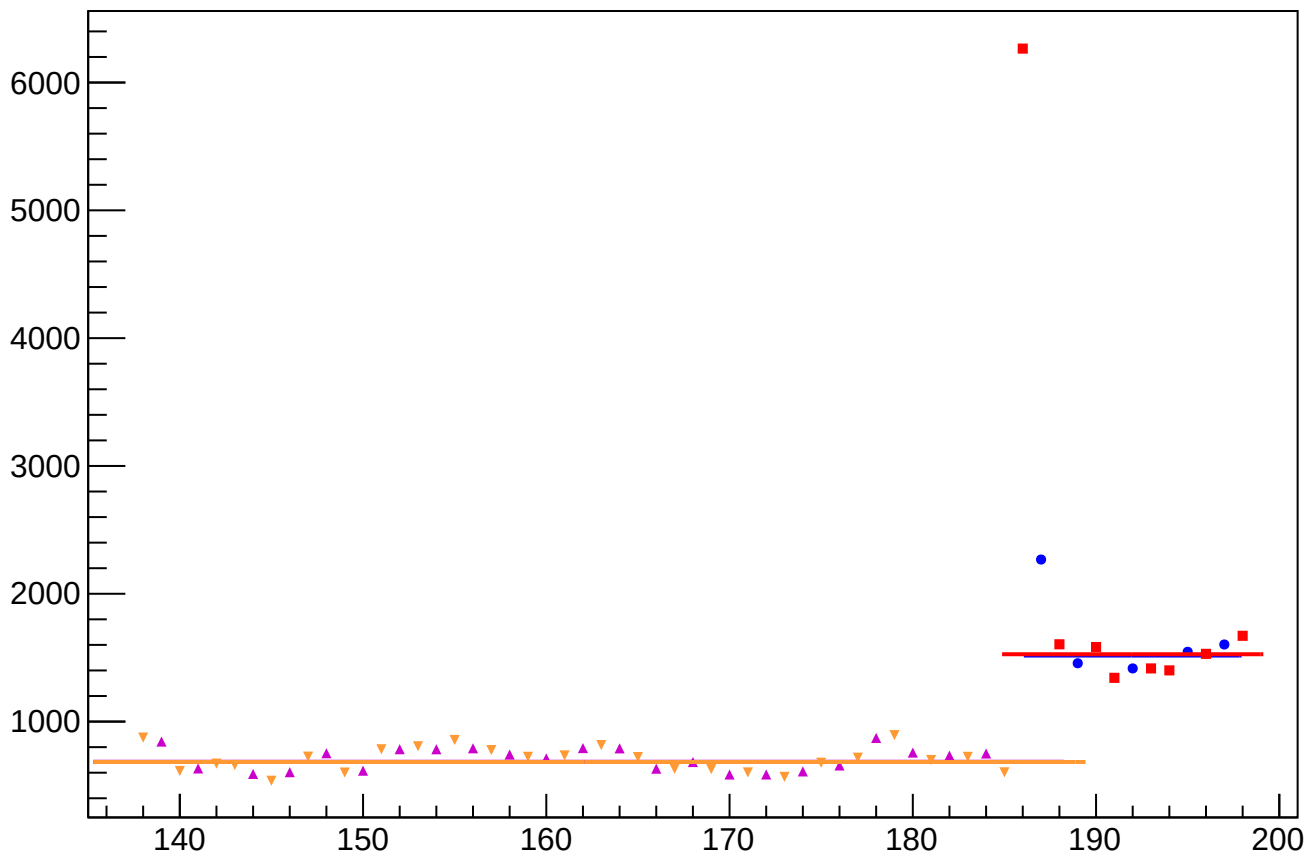
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -780.690 ± 158.384 χ^2/NDF : 47.4/29

All: -519.287 ± 112.984 χ^2/NDF : 87.3/60

- sign -248.439 ± 161.220 χ^2/NDF : 34.4/30

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1516.747+/-0.616 χ^2/NDF : 48520.1/4

Left Out: 683.884+/-0.114 χ^2/NDF : 667158.2/24

Right Out: 1526.864+/-0.495 χ^2/NDF : 470240.4/7

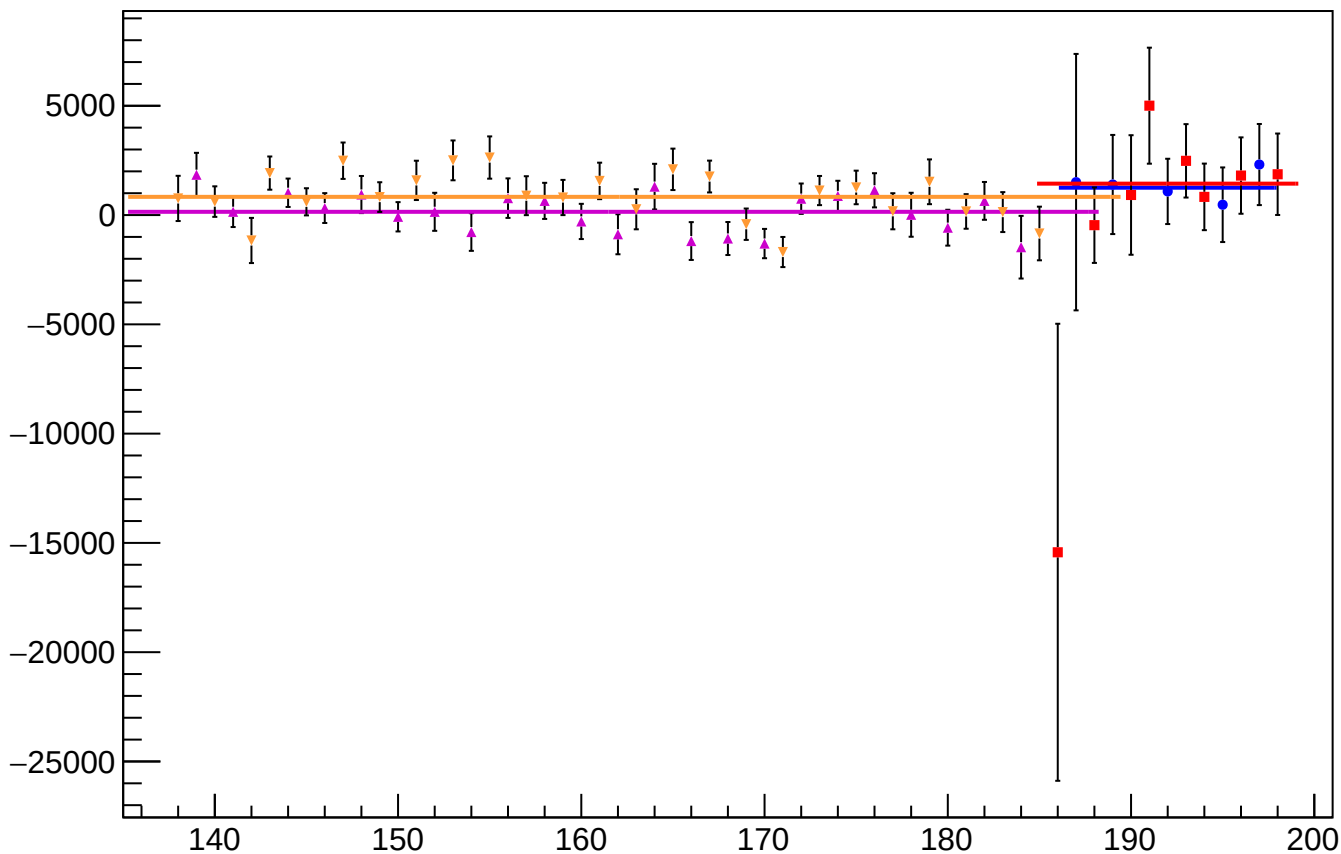
Left In: 685.593+/-0.117 χ^2/NDF : 529353.6/22

+ sign 711.391+/-0.112 χ^2/NDF : 2481820.3/29

All: 720.621+/-0.080 χ^2/NDF : 6228878.5/60

- sign 730.186+/-0.114 χ^2/NDF : 3733226.1/30

asym_sam_1548_avg_mean vs Slug



Right In: 1252.123 $\pm$ 875.297 χ^2 /NDF: 0.6/4

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF: 43.2/24

Right Out: 1437.686 $\pm$ 703.380 χ^2 /NDF: 6.3/7

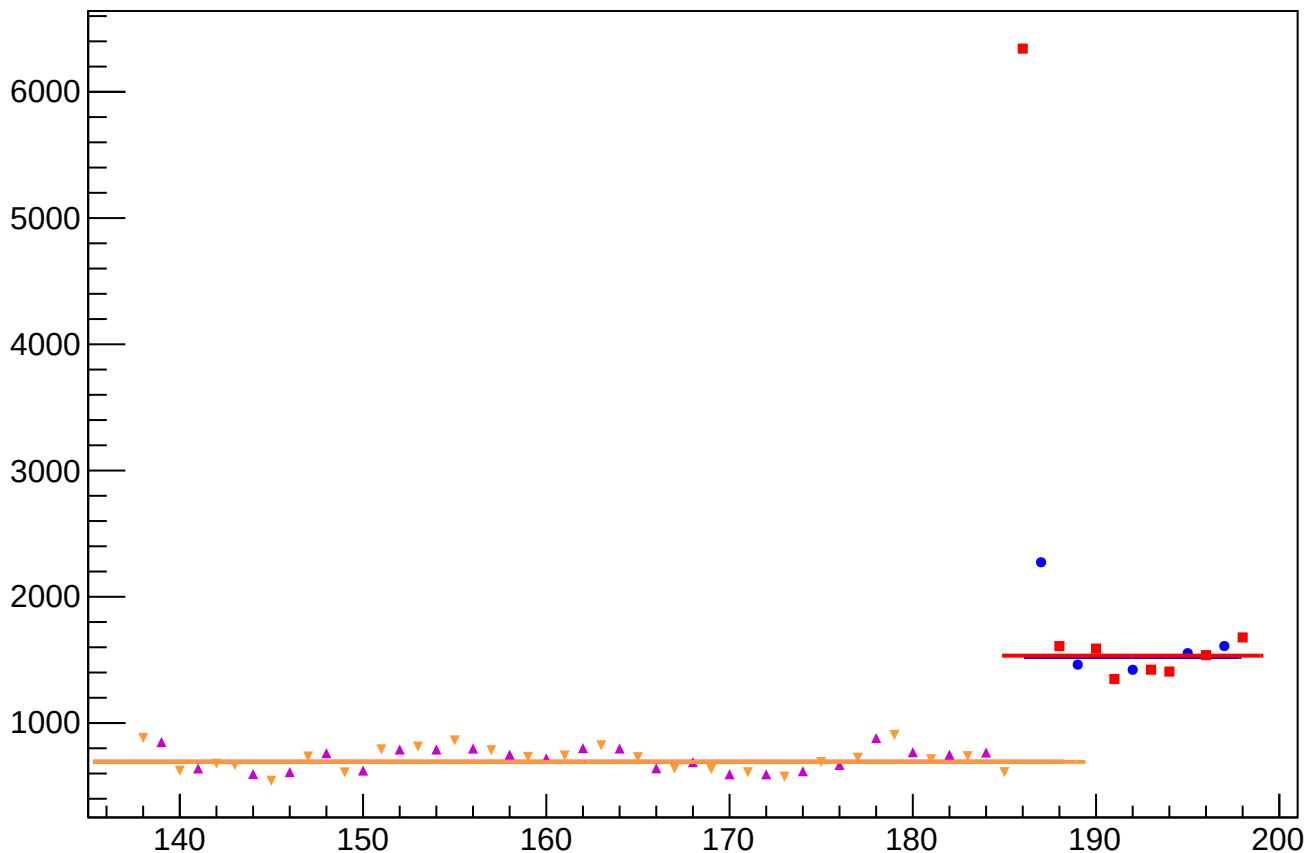
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF: 26.0/22

+ sign 847.423 $\pm$ 160.212 χ^2 /NDF: 44.0/29

All: 538.334 $\pm$ 114.286 χ^2 /NDF: 87.1/60

- sign 218.095 $\pm$ 163.076 χ^2 /NDF: 35.5/30

asym_sam_1548_avg_rms vs Slug



Right In: 1523.353+/-0.619 χ^2/NDF : 48340.3/4

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1533.641+/-0.497 χ^2/NDF : 471912.1/7

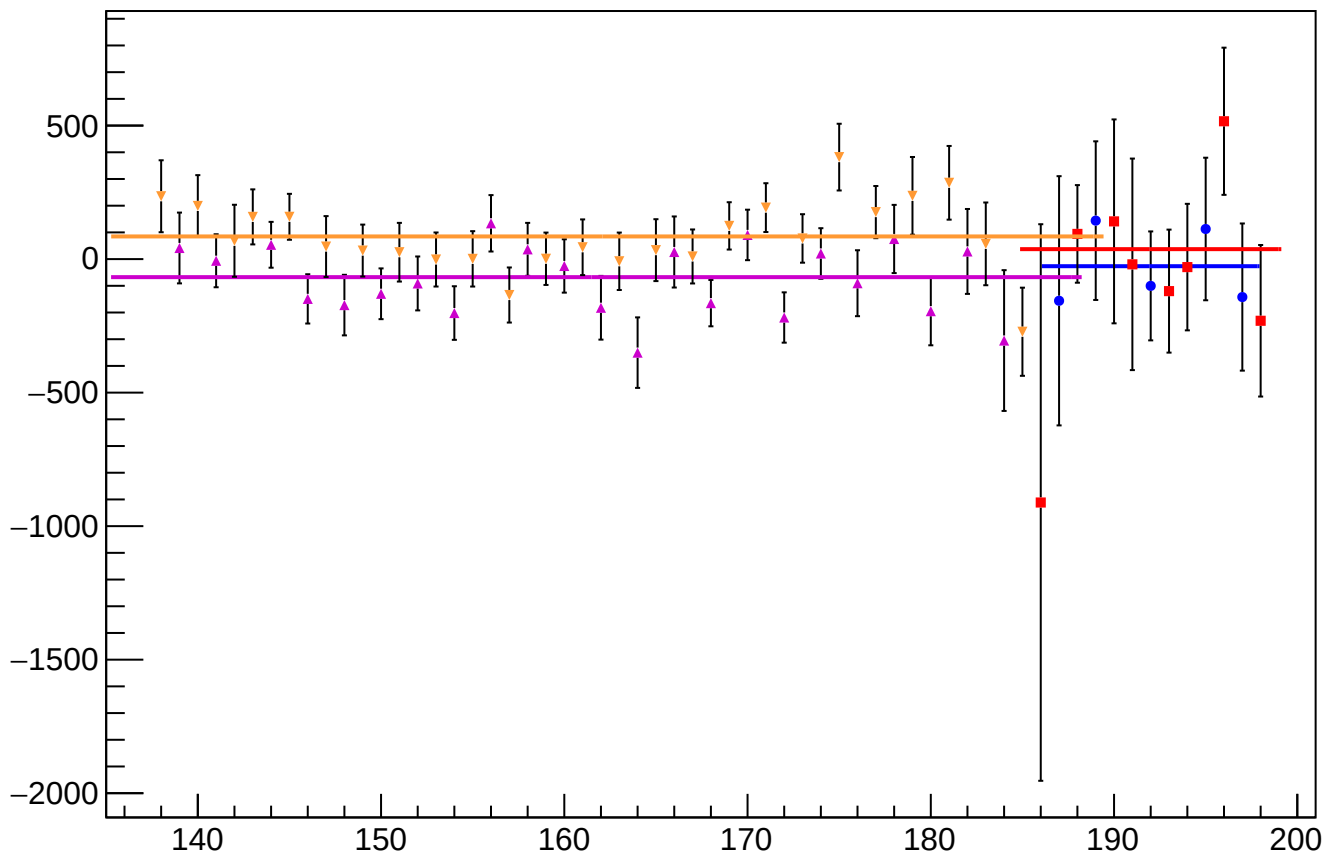
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 719.946+/-0.113 χ^2/NDF : 2448972.0/29

All: 729.308+/-0.081 χ^2/NDF : 6154454.0/60

- sign 739.007+/-0.115 χ^2/NDF : 3691577.6/30

reg_asym_sam_3748_avg_mean vs Slug



Right In: -26.583 ± 122.019 χ^2/NDF : 1.0/4

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 37.268 ± 96.964 χ^2/NDF : 5.5/7

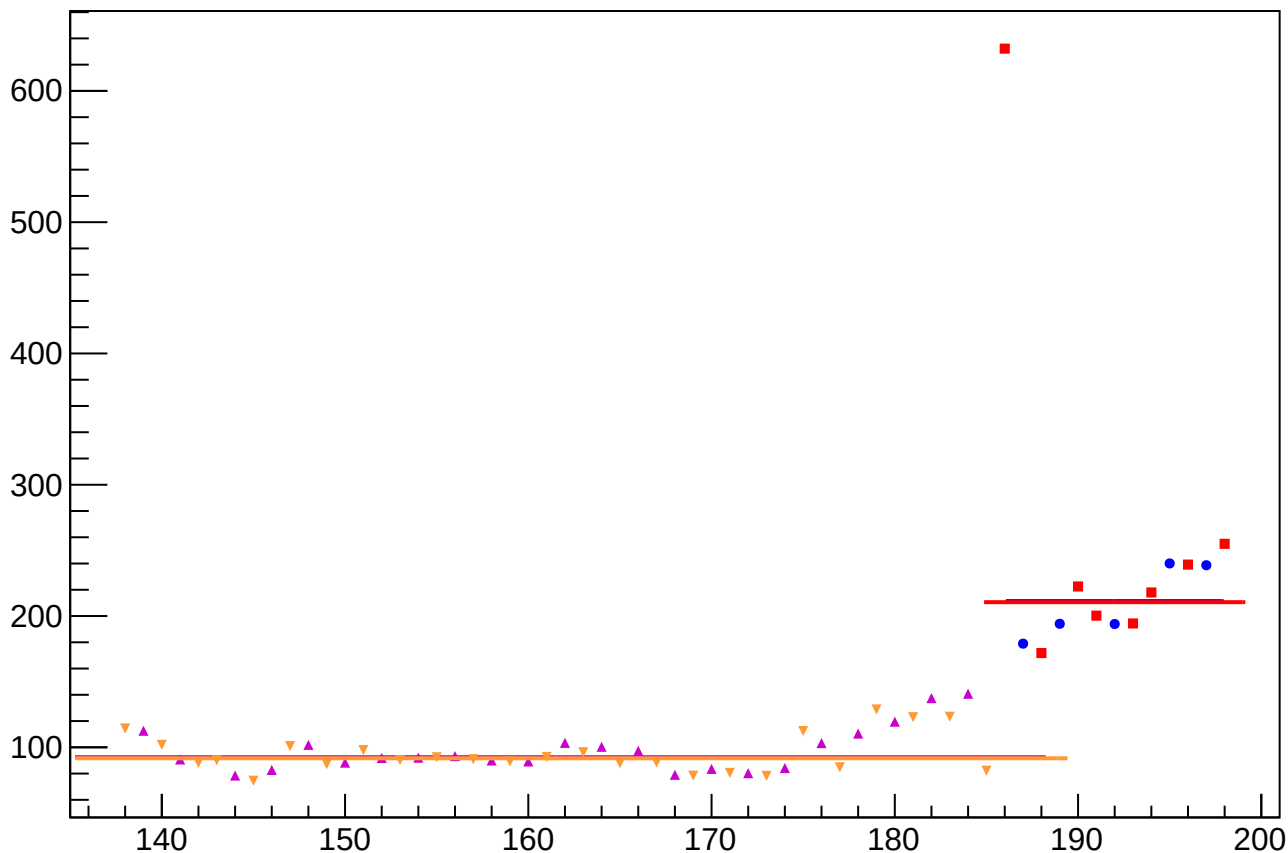
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 81.460 ± 21.310 χ^2/NDF : 30.3/29

All: 11.485 ± 15.263 χ^2/NDF : 87.9/60

- sign -62.219 ± 21.871 χ^2/NDF : 35.4/30

reg_asym_sam_3748_avg_rms vs Slug



Right In: 211.352 $\pm$ 0.086 χ^2 /NDF: 73858.2/4

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 210.548 $\pm$ 0.069 χ^2 /NDF: 503162.0/7

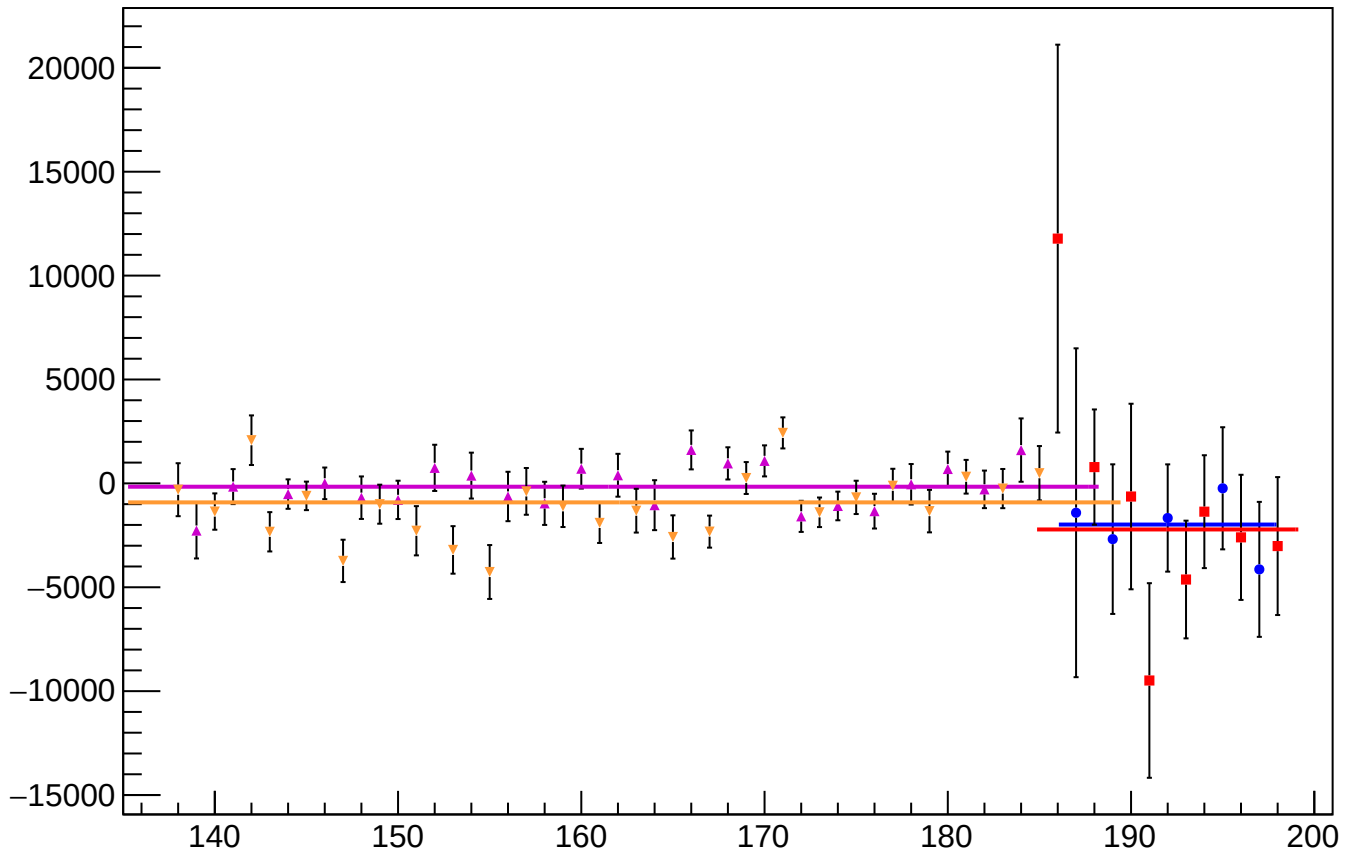
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 95.284 $\pm$ 0.015 χ^2 /NDF: 2633575.5/29

All: 96.837 $\pm$ 0.011 χ^2 /NDF: 6629384.6/60

- sign 98.473 $\pm$ 0.015 χ^2 /NDF: 3973996.2/30

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1981.966 ± 1484.564 χ^2/NDF : 0.9/4

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -2217.937 ± 1196.599 χ^2/NDF : 6.9/7

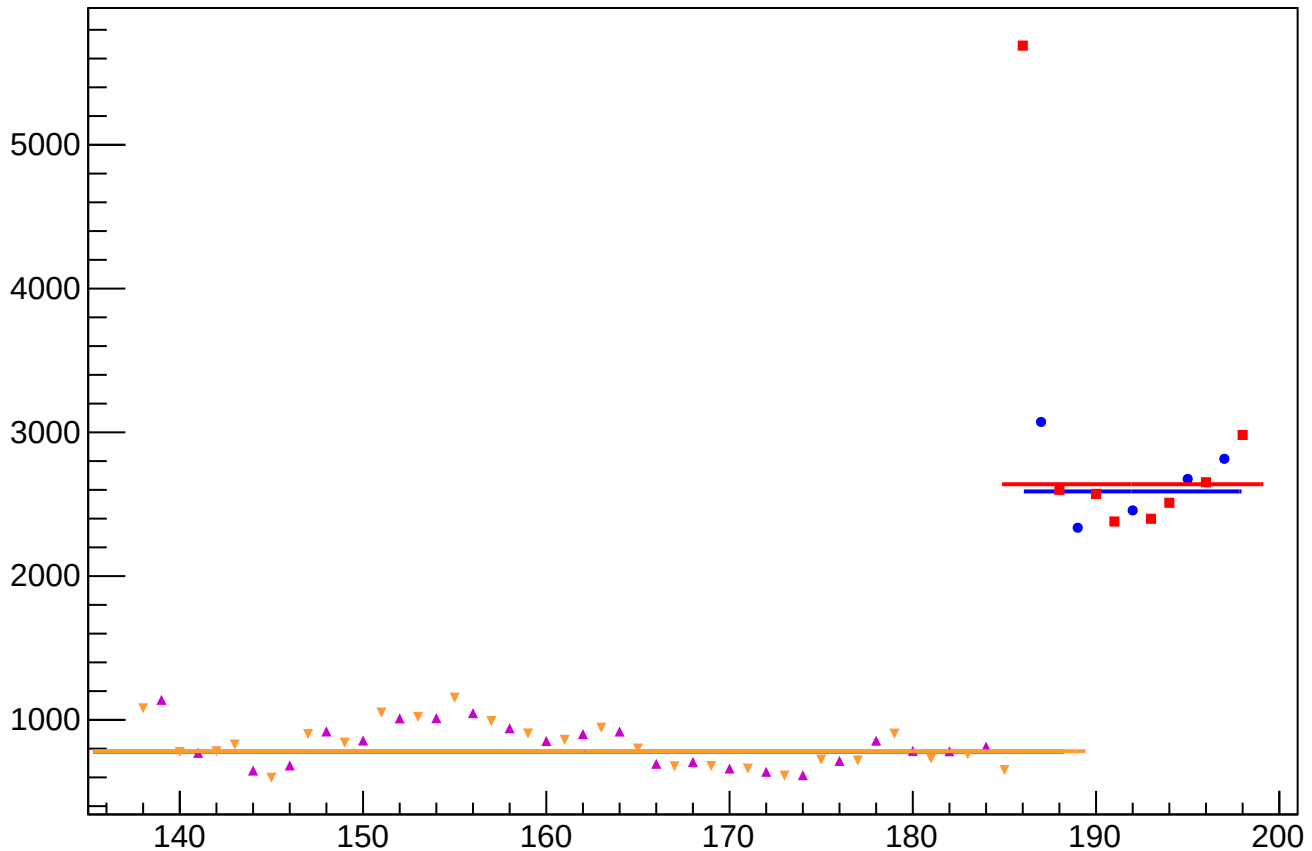
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -931.098 ± 183.913 χ^2/NDF : 65.5/29

All: -577.541 ± 131.179 χ^2/NDF : 107.9/60

- sign -211.395 ± 187.158 χ^2/NDF : 34.8/30

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2589.062 ± 1.050 χ^2/NDF : 34021.8/4

Left Out: 782.042 ± 0.131 χ^2/NDF : 1130984.3/24

Right Out: 2639.157 ± 0.846 χ^2/NDF : 260898.8/7

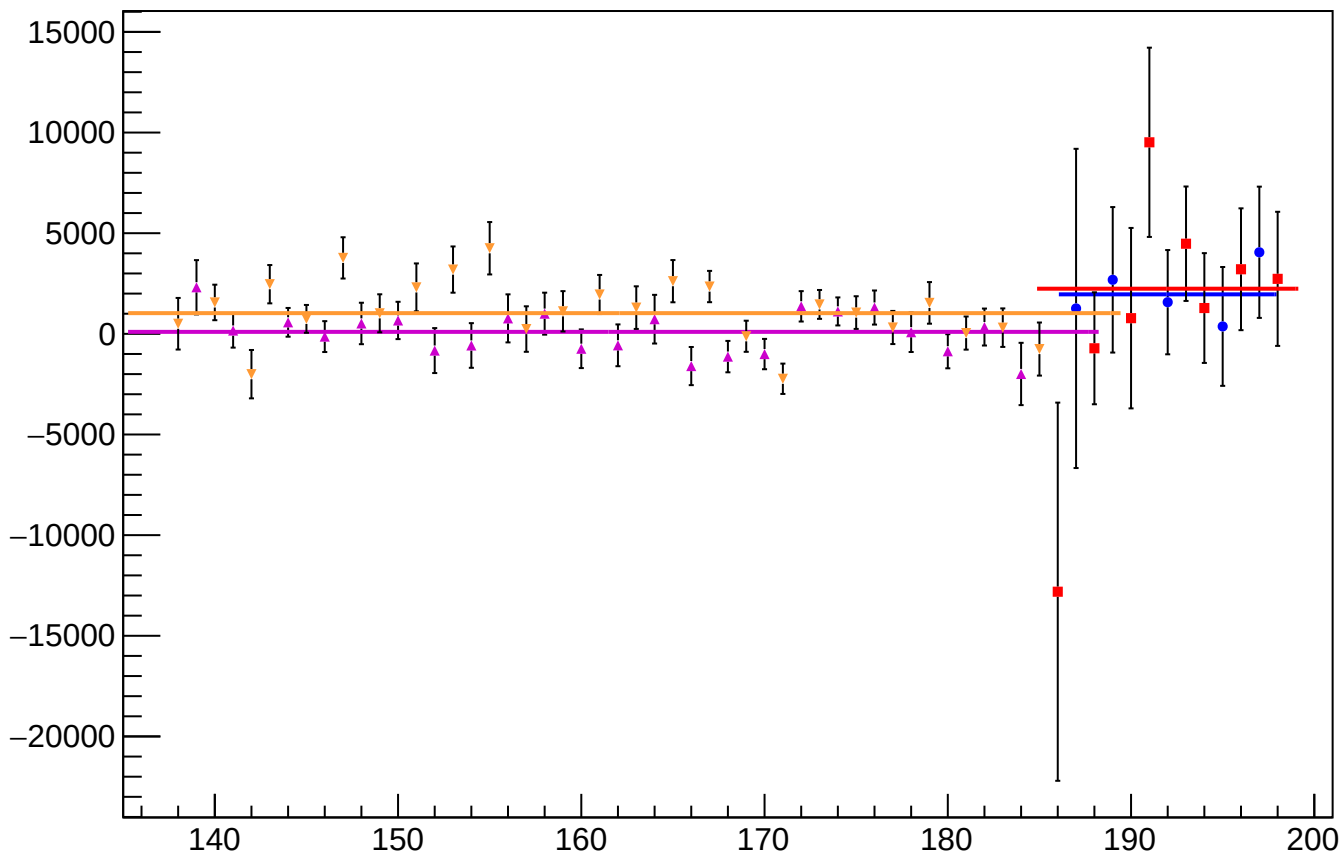
Left In: 778.995 ± 0.134 χ^2/NDF : 980243.4/22

+ sign 809.774 ± 0.130 χ^2/NDF : 4082710.8/29

All: 817.009 ± 0.093 χ^2/NDF : 10045112.6/60

- sign 824.501 ± 0.132 χ^2/NDF : 5956102.1/30

asym_sam_3748_avg_mean vs Slug



Right In: 1962.108+/-1489.989 χ^2/NDF : 0.8/4

Left Out: 1028.864+/-186.810 χ^2/NDF : 60.2/24

Right Out: 2242.741+/-1201.065 χ^2/NDF : 7.1/7

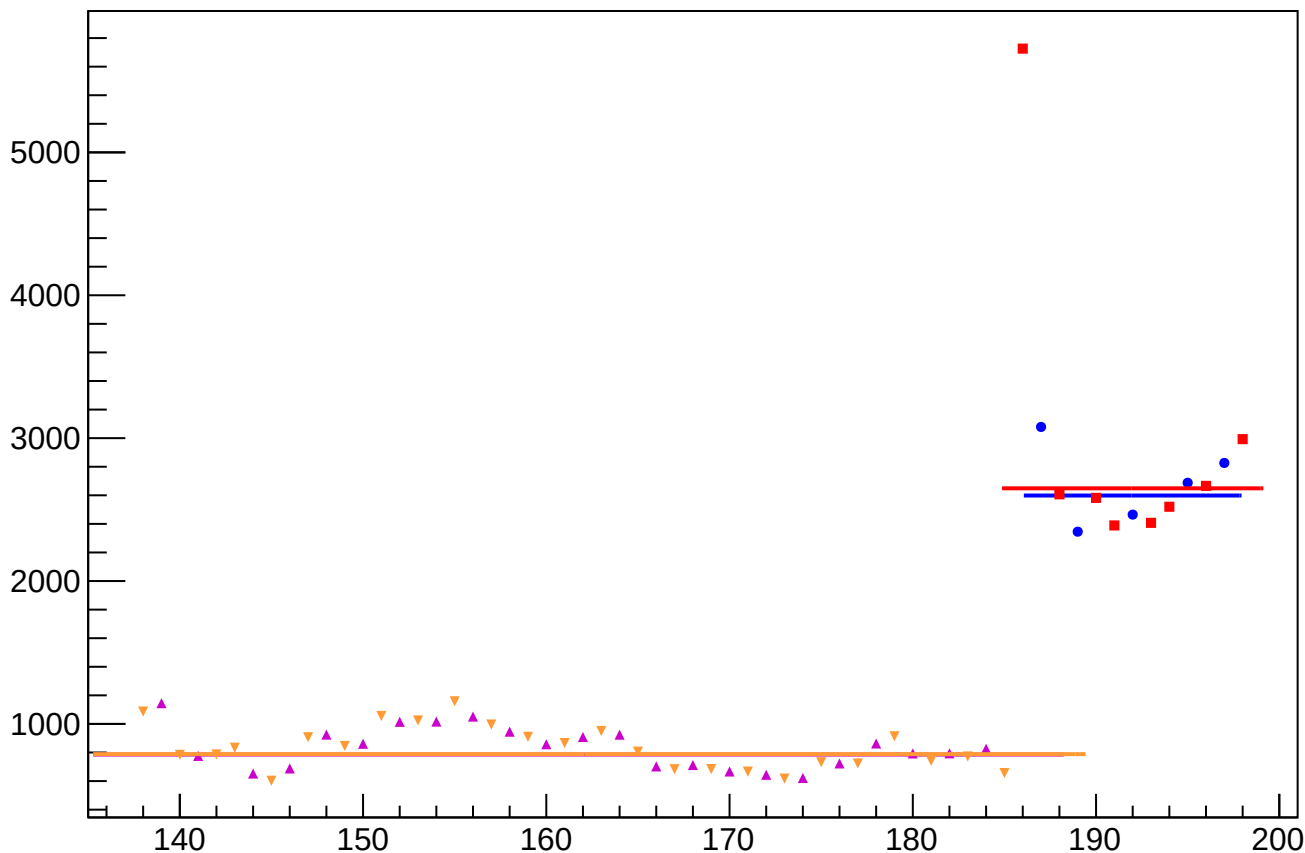
Left In: 98.691+/-191.027 χ^2/NDF : 25.4/22

+ sign 1043.307+/-185.359 χ^2/NDF : 61.3/29

All: 605.307+/-132.219 χ^2/NDF : 108.2/60

- sign 151.589+/-188.656 χ^2/NDF : 35.6/30

asym_sam_3748_avg_rms vs Slug



Right In: 2598.527 $\pm$ 1.054 χ^2/NDF : 34067.3/4

Left Out: 788.442 $\pm$ 0.132 χ^2/NDF : 1113741.6/24

Right Out: 2648.915 $\pm$ 0.849 χ^2/NDF : 261966.2/7

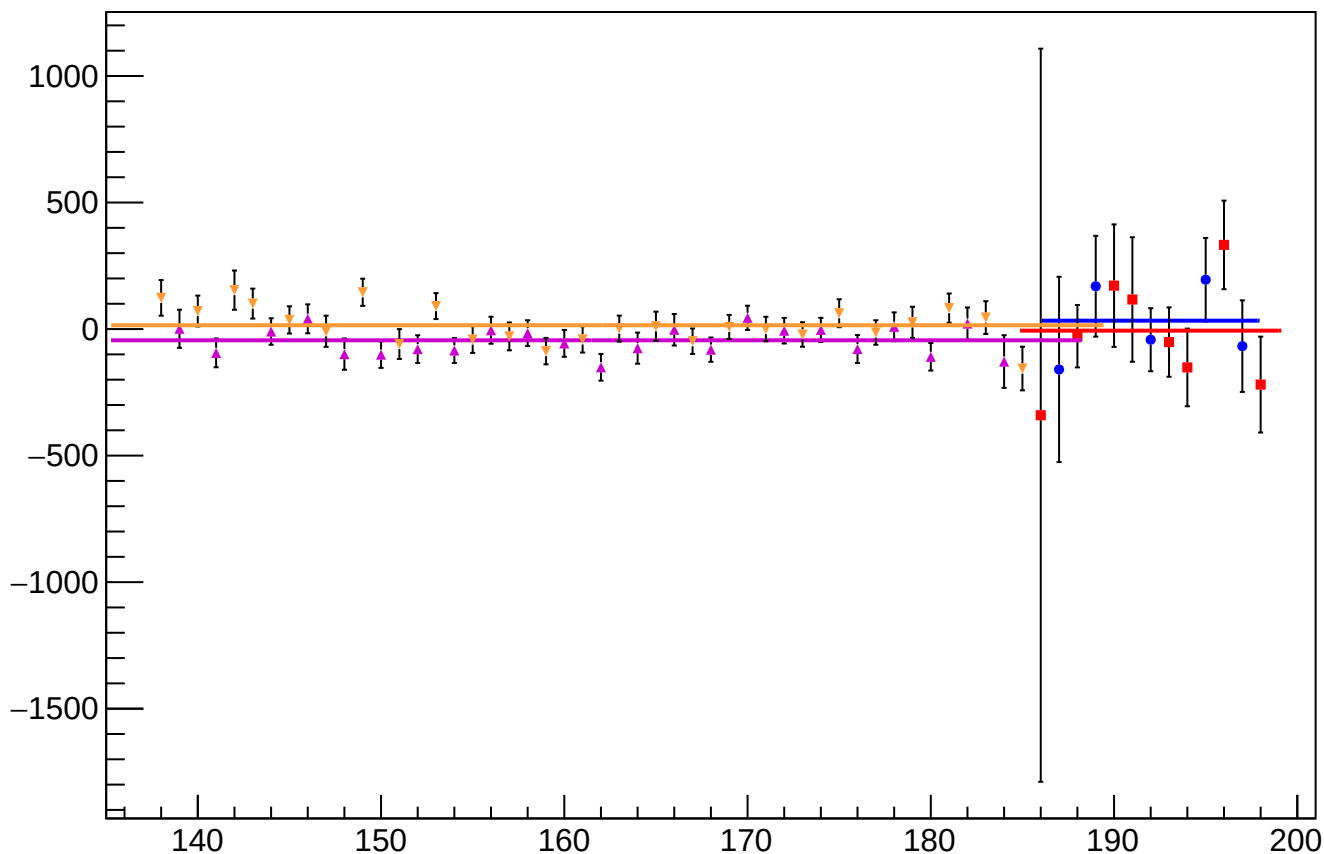
Left In: 785.490 $\pm$ 0.135 χ^2/NDF : 965338.9/22

+ sign 816.455 $\pm$ 0.131 χ^2/NDF : 4053758.9/29

All: 823.828 $\pm$ 0.093 χ^2/NDF : 9982893.6/60

- sign 831.465 $\pm$ 0.133 χ^2/NDF : 5922692.8/30

reg_asym_sam_1526_avg_mean vs Slug



Right In: 33.222 $\pm$ 77.976 χ^2 /NDF: 2.4/4

Left Out: 15.099 $\pm$ 11.154 χ^2 /NDF:34.2/24

Right Out: -6.188 $\pm$ 62.491 χ^2 /NDF: 6.9/7

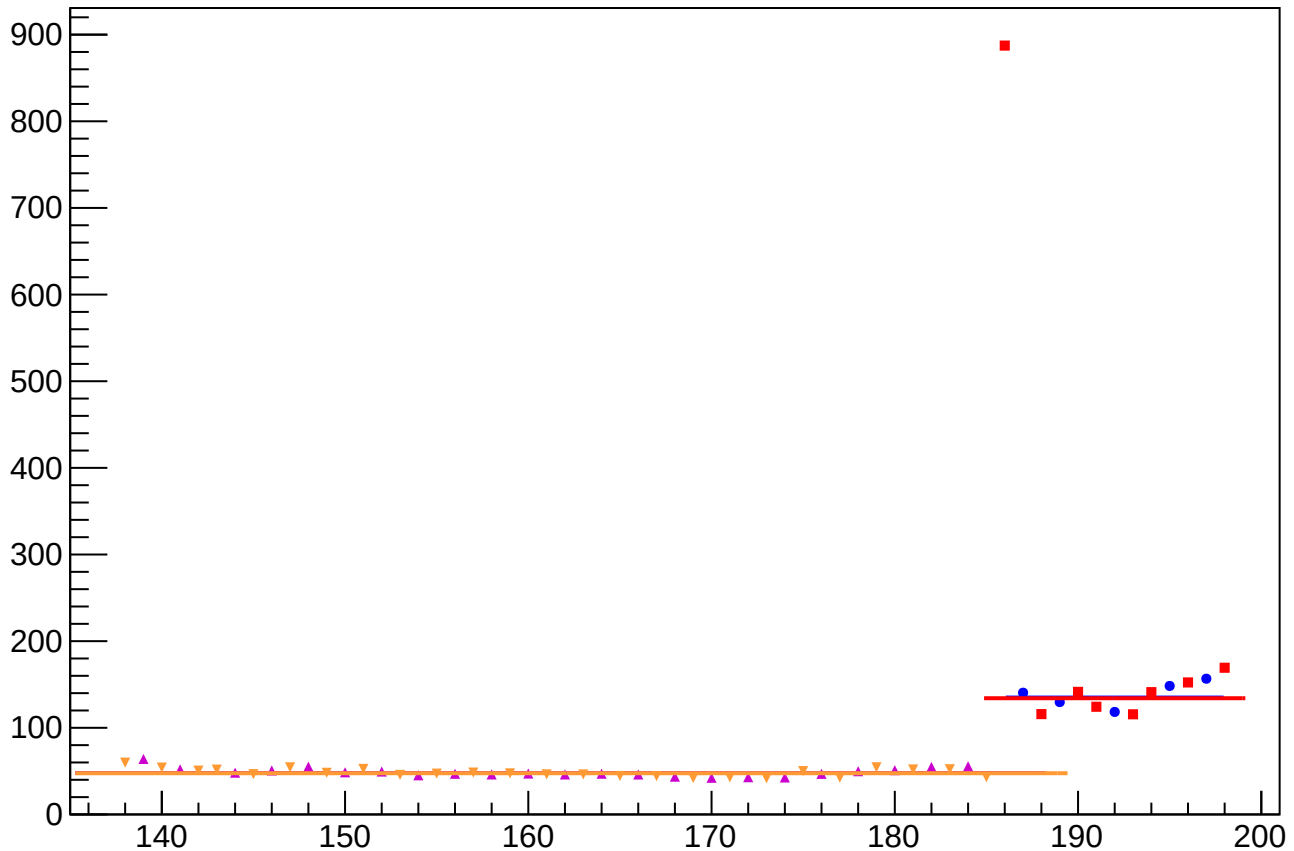
Left In: -44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

+ sign 15.463 $\pm$ 11.042 χ^2 /NDF: 36.6/29

All: -13.015 $\pm$ 7.911 χ^2 /NDF: 79.8/60

- sign -43.043 $\pm$ 11.338 χ^2 /NDF: 29.5/30

reg_asym_sam_1526_avg_rms vs Slug



Right In: 134.900 $\pm$ 0.055 χ^2 /NDF: 79416.6/4

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 134.145 $\pm$ 0.044 χ^2 /NDF: 721542.0/7

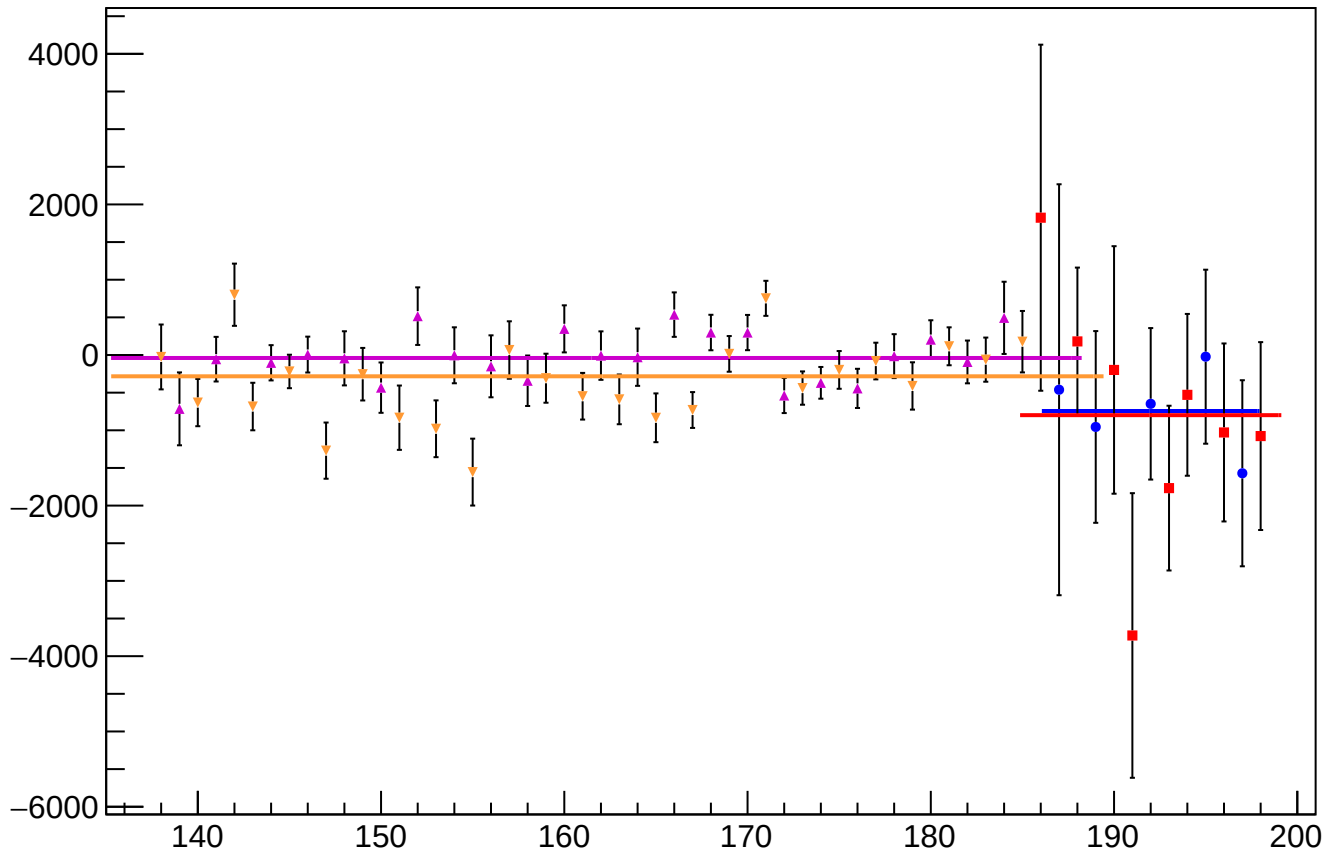
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 49.337 $\pm$ 0.008 χ^2 /NDF: 2849700.1/29

All: 49.994 $\pm$ 0.006 χ^2 /NDF: 7556228.7/60

- sign 50.687 $\pm$ 0.008 χ^2 /NDF: 4691977.1/30

asym_sam_1526_avg_correction_mean vs Slug



Right In: -743.652 ± 564.081 χ^2/NDF : 0.9/4

Left Out: -282.798 ± 59.690 χ^2/NDF : 66.5/24

Right Out: -798.869 ± 449.977 χ^2/NDF : 5.8/7

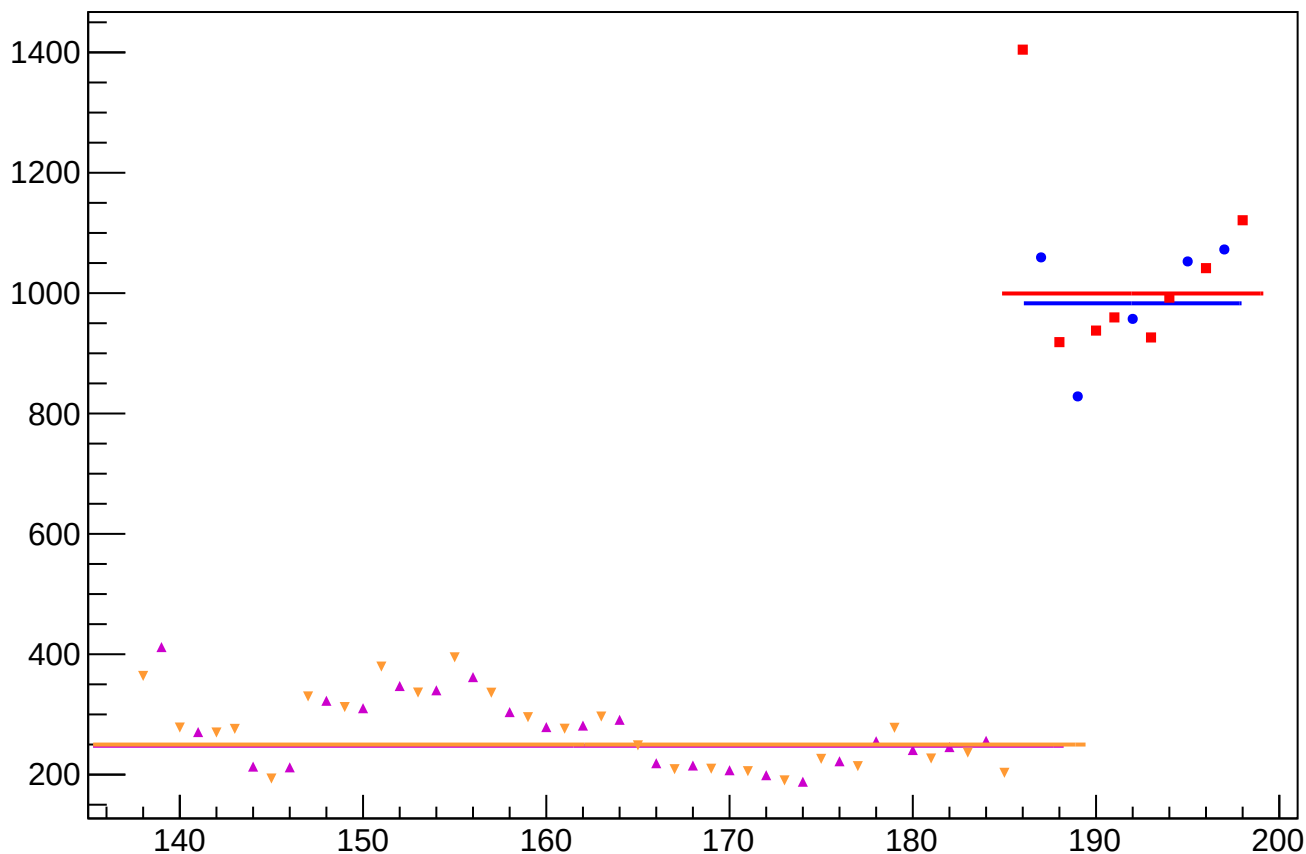
Left In: -39.432 ± 60.759 χ^2/NDF : 27.5/22

+ sign -287.902 ± 59.358 χ^2/NDF : 68.1/29

All: -172.143 ± 42.271 χ^2/NDF : 111.9/60

- sign -53.030 ± 60.212 χ^2/NDF : 36.1/30

asym_sam_1526_avg_correction_rms vs Slug



Right In: 983.082 $\pm$ 0.399 χ^2 /NDF: 50141.9/4

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF: 1614205.9/24

Right Out: 999.419 $\pm$ 0.318 χ^2 /NDF: 110001.9/7

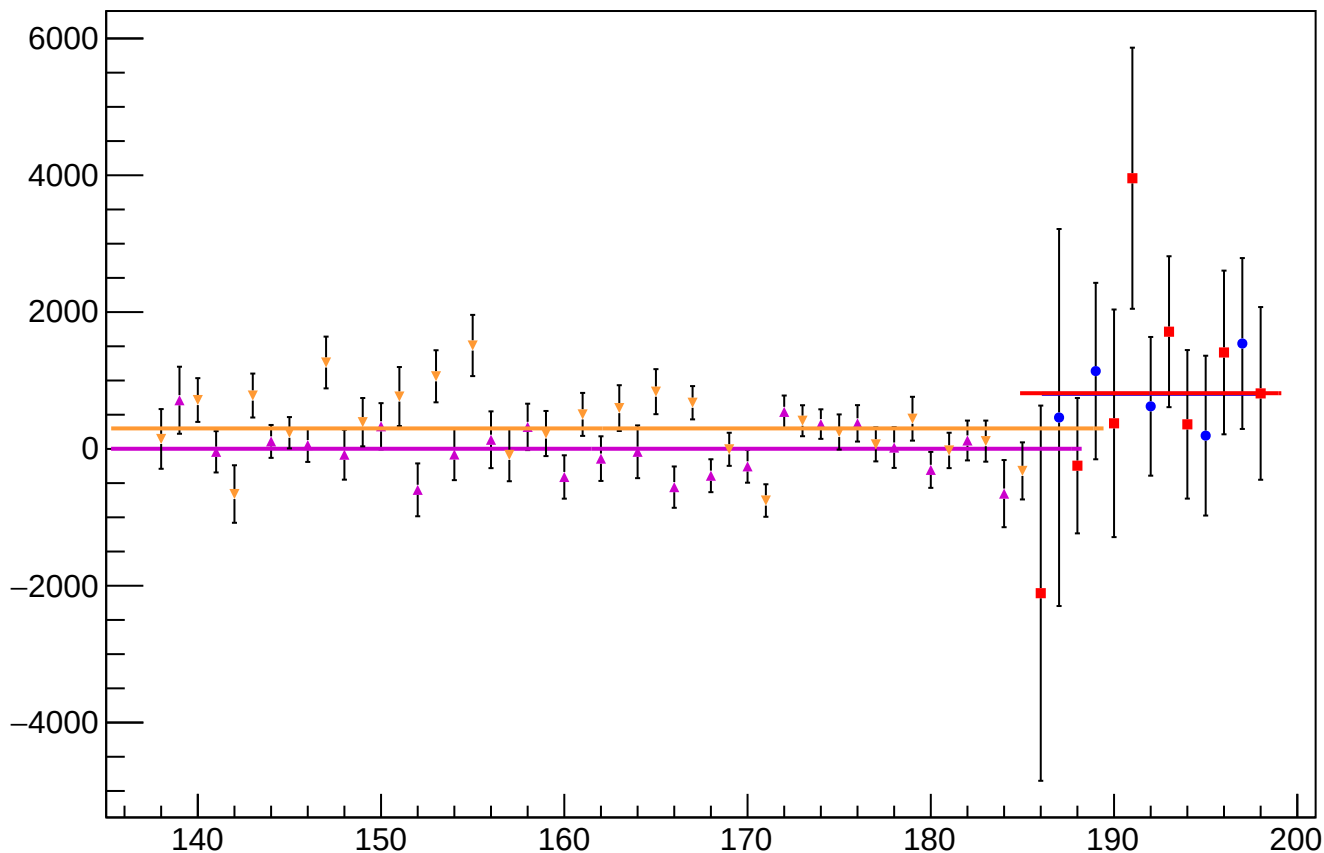
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF: 1410847.5/22

+ sign 258.075 $\pm$ 0.042 χ^2 /NDF: 5005289.3/29

All: 259.700 $\pm$ 0.030 χ^2 /NDF: 12007695.6/60

- sign 261.373 $\pm$ 0.043 χ^2 /NDF: 6999362.7/30

asym_sam_1526_avg_mean vs Slug



Right In: 805.366 ± 569.835 χ^2/NDF : 0.7/4

Left Out: 299.562 ± 60.860 χ^2/NDF : 62.5/24

Right Out: 814.227 ± 457.060 χ^2/NDF : 6.2/7

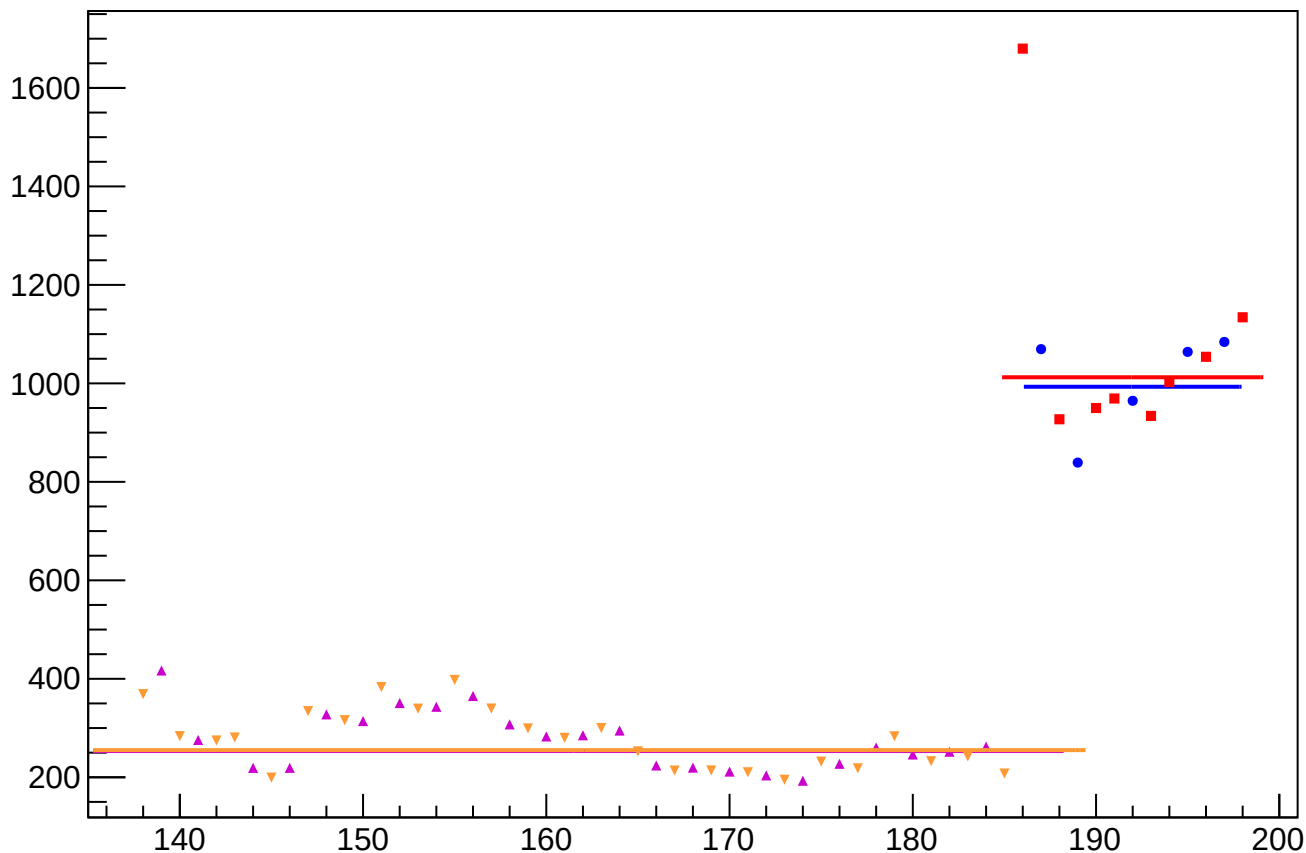
Left In: 2.185 ± 62.005 χ^2/NDF : 29.2/22

+ sign 305.267 ± 60.515 χ^2/NDF : 64.0/29

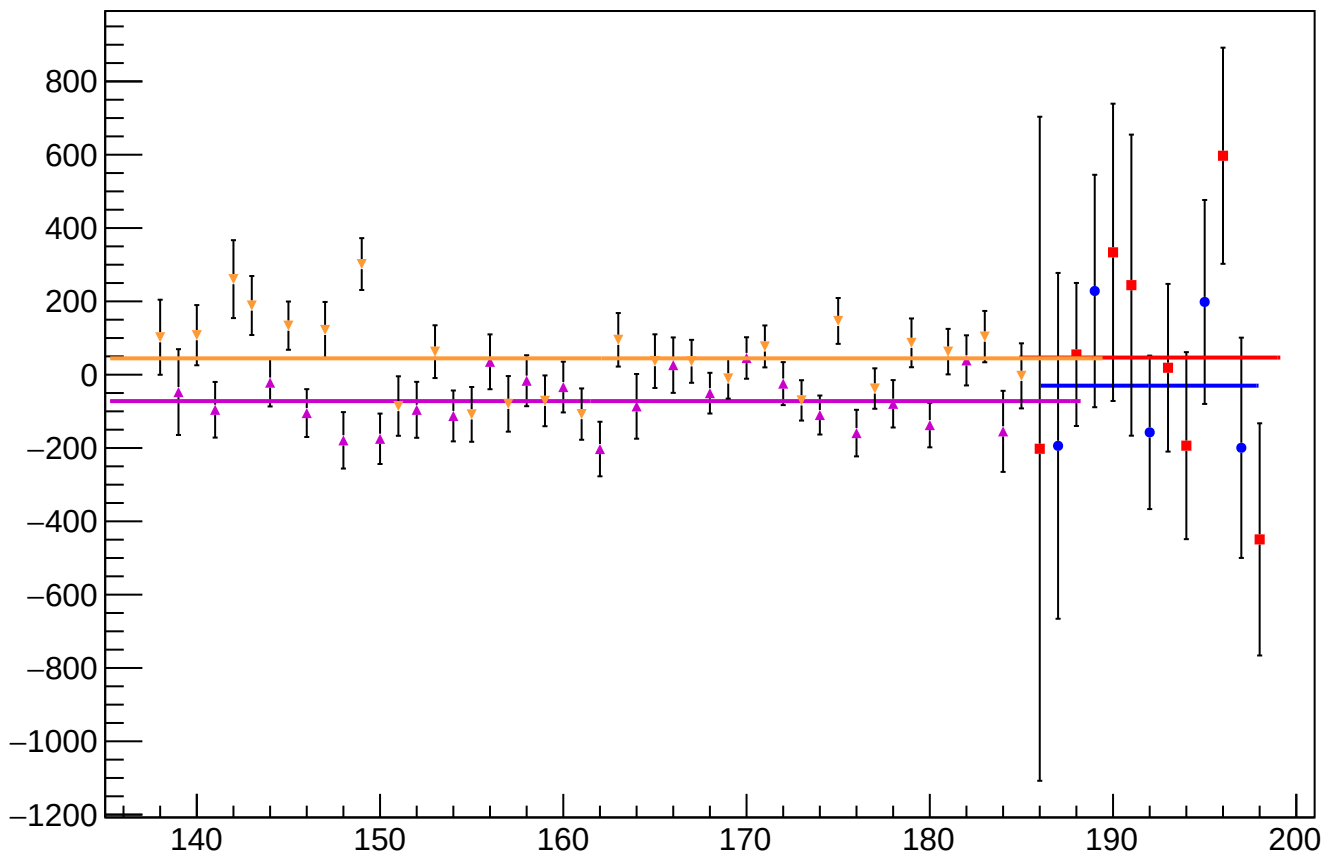
All: 163.254 ± 43.115 χ^2/NDF : 113.6/60

- sign 16.860 ± 61.442 χ^2/NDF : 38.4/30

asym_sam_1526_avg_rms vs Slug



reg_asym_sam_3726_avg_mean vs Slug



Right In: -29.973 ± 127.753 χ^2/NDF : 2.1/4

Left Out: 44.602 ± 13.824 χ^2/NDF : 53.9/24

Right Out: 46.706 ± 102.339 χ^2/NDF : 7.7/7

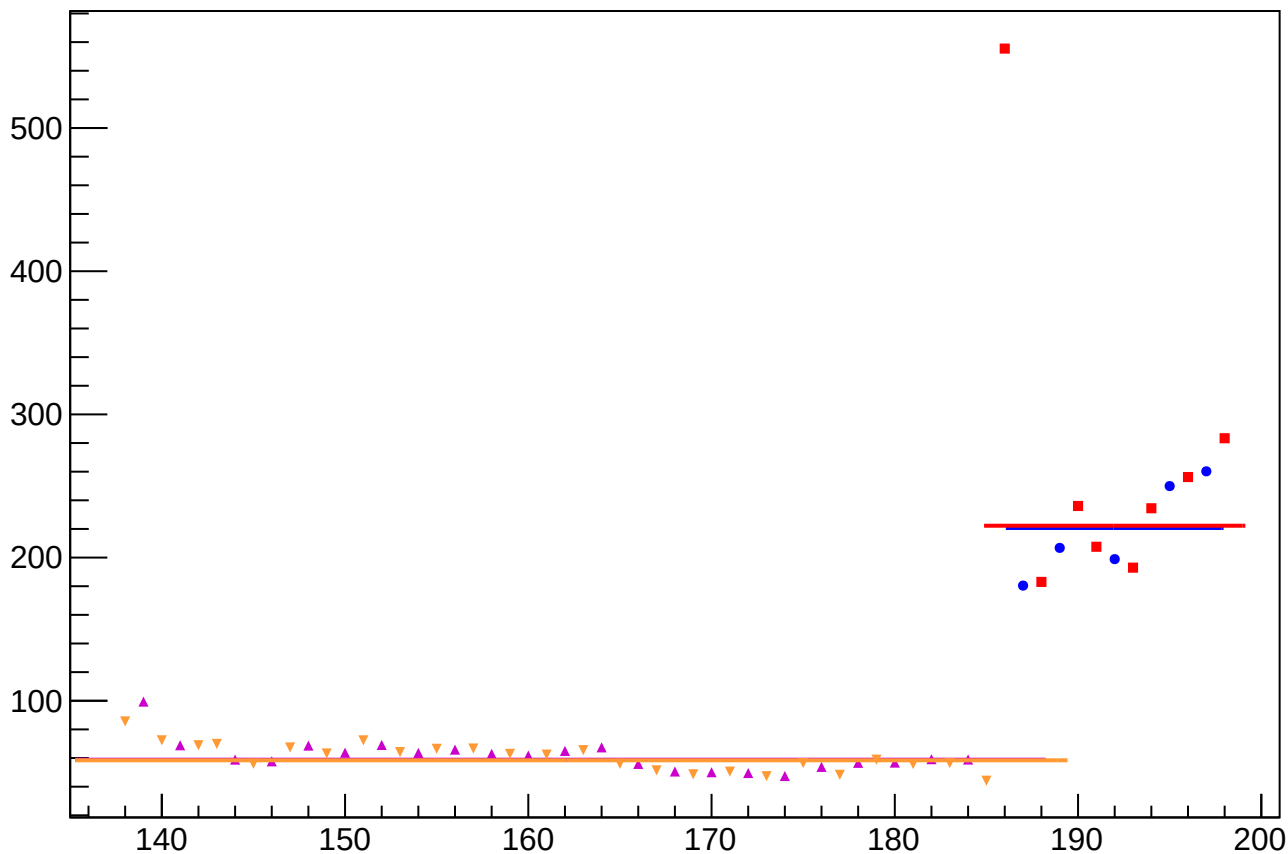
Left In: -72.037 ± 14.296 χ^2/NDF : 25.3/22

+ sign 43.739 ± 13.744 χ^2/NDF : 56.4/29

All: -11.325 ± 9.862 χ^2/NDF : 123.8/60

- sign -69.764 ± 14.159 χ^2/NDF : 34.3/30

reg_asym_sam_3726_avg_rms vs Slug



Right In: 220.685 $\pm$ 0.090 χ^2/NDF : 96841.1/4

Left Out: 58.423 $\pm$ 0.010 χ^2/NDF : 790091.3/24

Right Out: 222.253 $\pm$ 0.072 χ^2/NDF : 494959.3/7

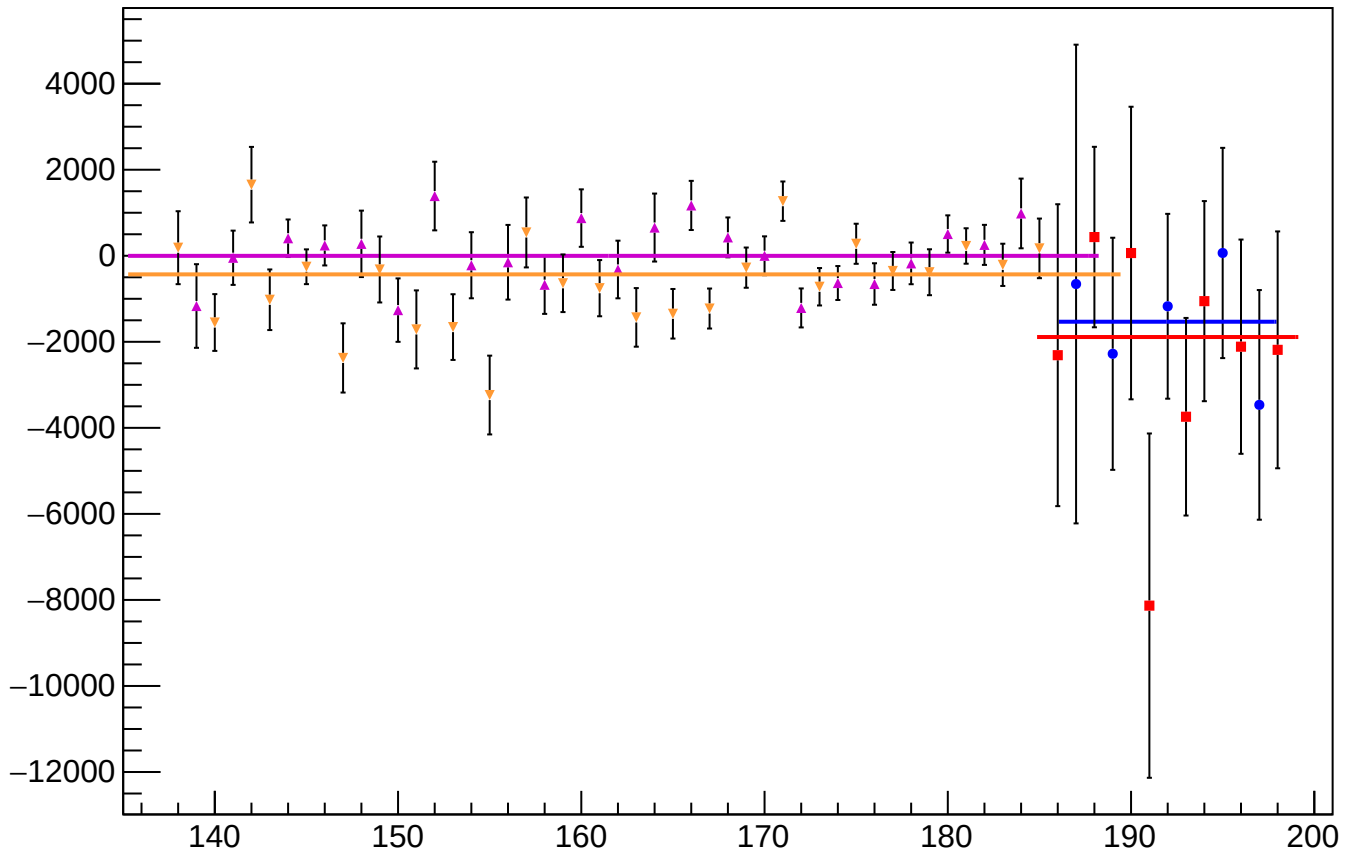
Left In: 58.840 $\pm$ 0.010 χ^2/NDF : 679925.7/22

+ sign 60.301 $\pm$ 0.010 χ^2/NDF : 4076051.0/29

All: 61.109 $\pm$ 0.007 χ^2/NDF : 10267071.5/60

- sign 61.968 $\pm$ 0.010 χ^2/NDF : 6176749.2/30

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1533.149 $\pm$ 1200.258 χ^2/NDF : 1.1/4

Left Out: -432.330 $\pm$ 114.408 χ^2/NDF : 59.4/24

Right Out: -1888.781 $\pm$ 942.798 χ^2/NDF : 4.8/7

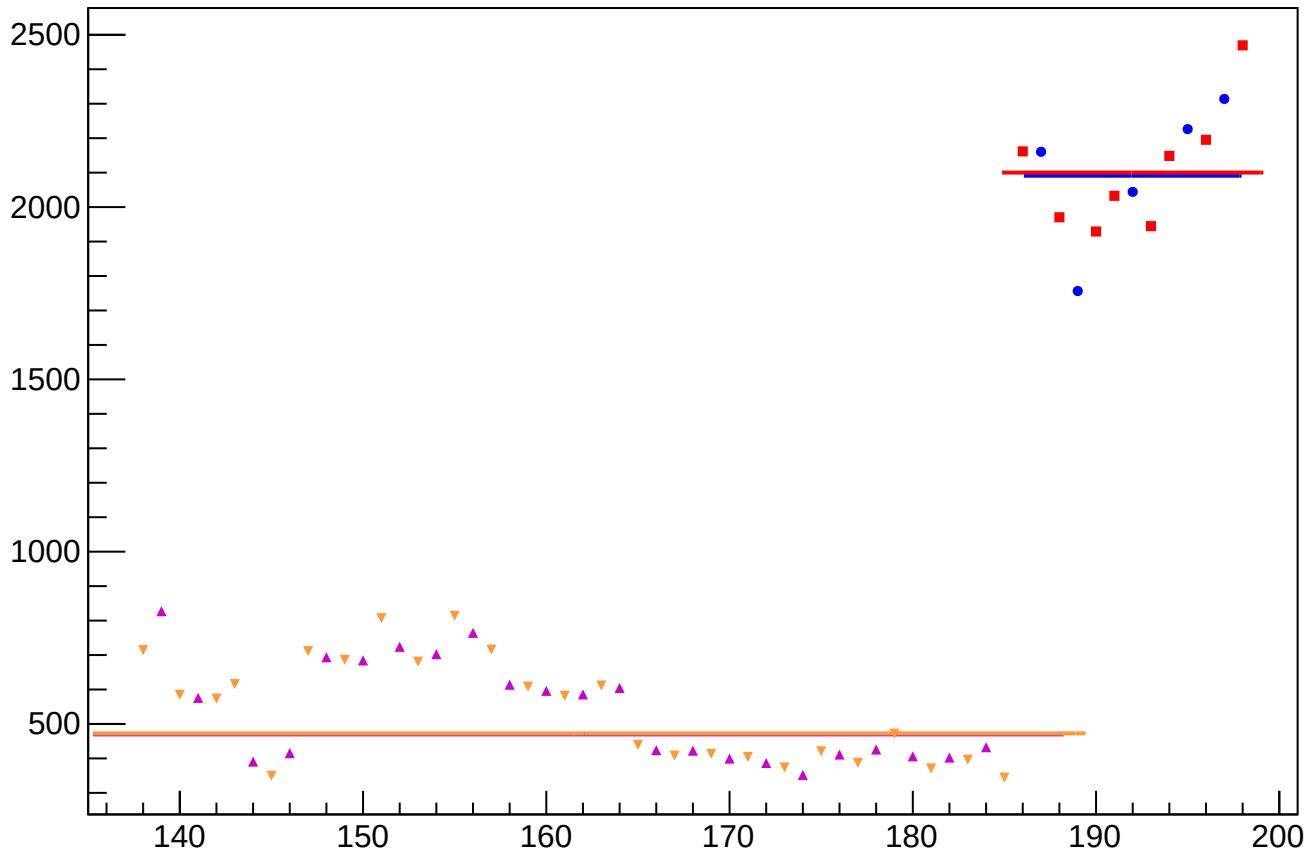
Left In: -1.825 $\pm$ 116.459 χ^2/NDF : 32.3/22

+ sign -442.242 $\pm$ 113.892 χ^2/NDF : 61.3/29

All: -239.245 $\pm$ 81.124 χ^2/NDF : 108.8/60

- sign -30.184 $\pm$ 115.580 χ^2/NDF : 41.1/30

asym_sam_3726_avg_correction_rms vs Slug



Right In: 2091.102 ± 0.849 χ^2/NDF : 52106.0/4

Left Out: 472.569 ± 0.081 χ^2/NDF : 2508168.9/24

Right Out: 2100.231 ± 0.667 χ^2/NDF : 62811.5/7

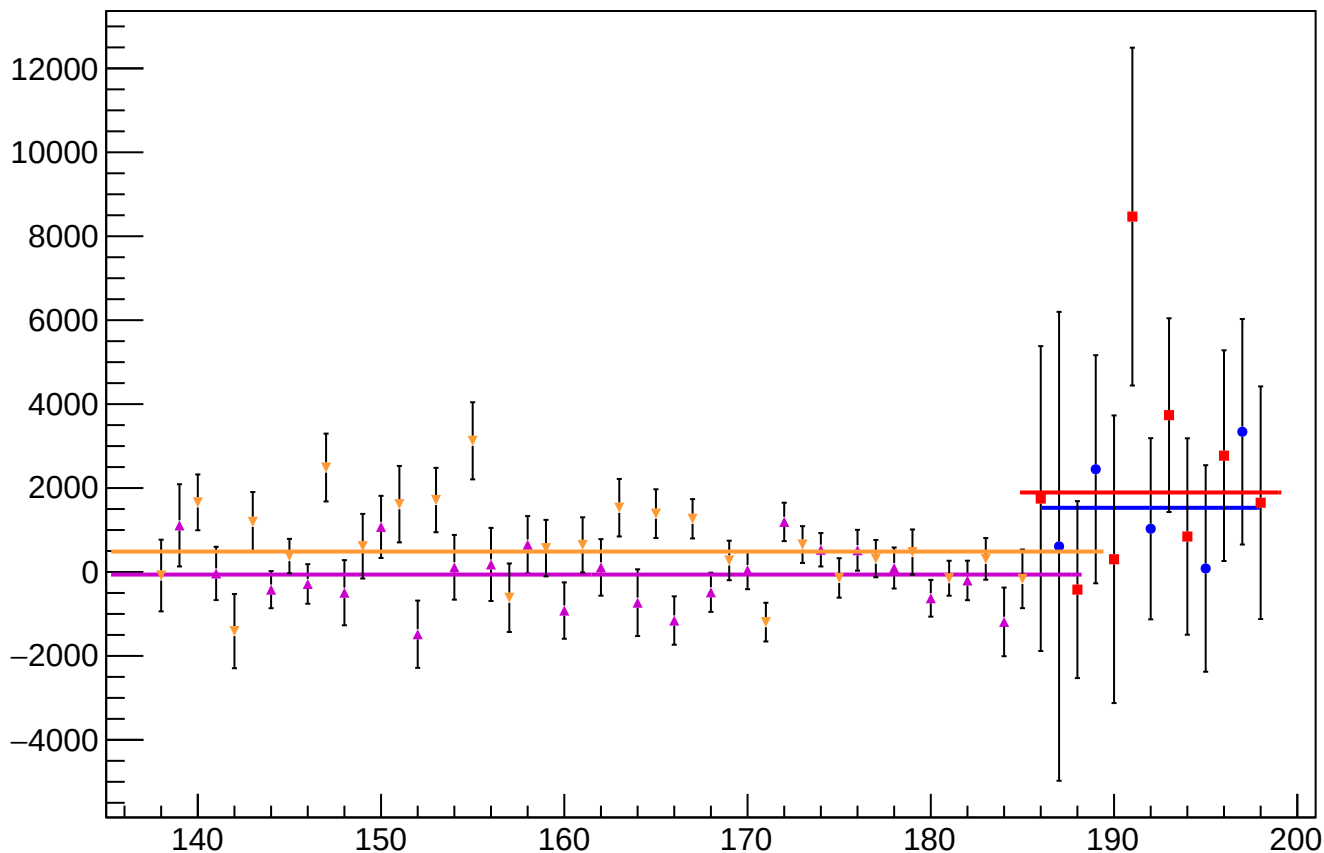
Left In: 469.761 ± 0.082 χ^2/NDF : 2116885.7/22

+ sign 487.142 ± 0.081 χ^2/NDF : 6164367.0/29

All: 490.651 ± 0.057 χ^2/NDF : 14239635.8/60

- sign 494.266 ± 0.082 χ^2/NDF : 8071414.4/30

asym_sam_3726_avg_mean vs Slug



Right In: 1529.398+/-1207.596 χ^2/NDF : 1.0/4

Left Out: 486.645+/-115.346 χ^2/NDF : 56.0/24

Right Out: 1894.597+/-950.516 χ^2/NDF : 5.1/7

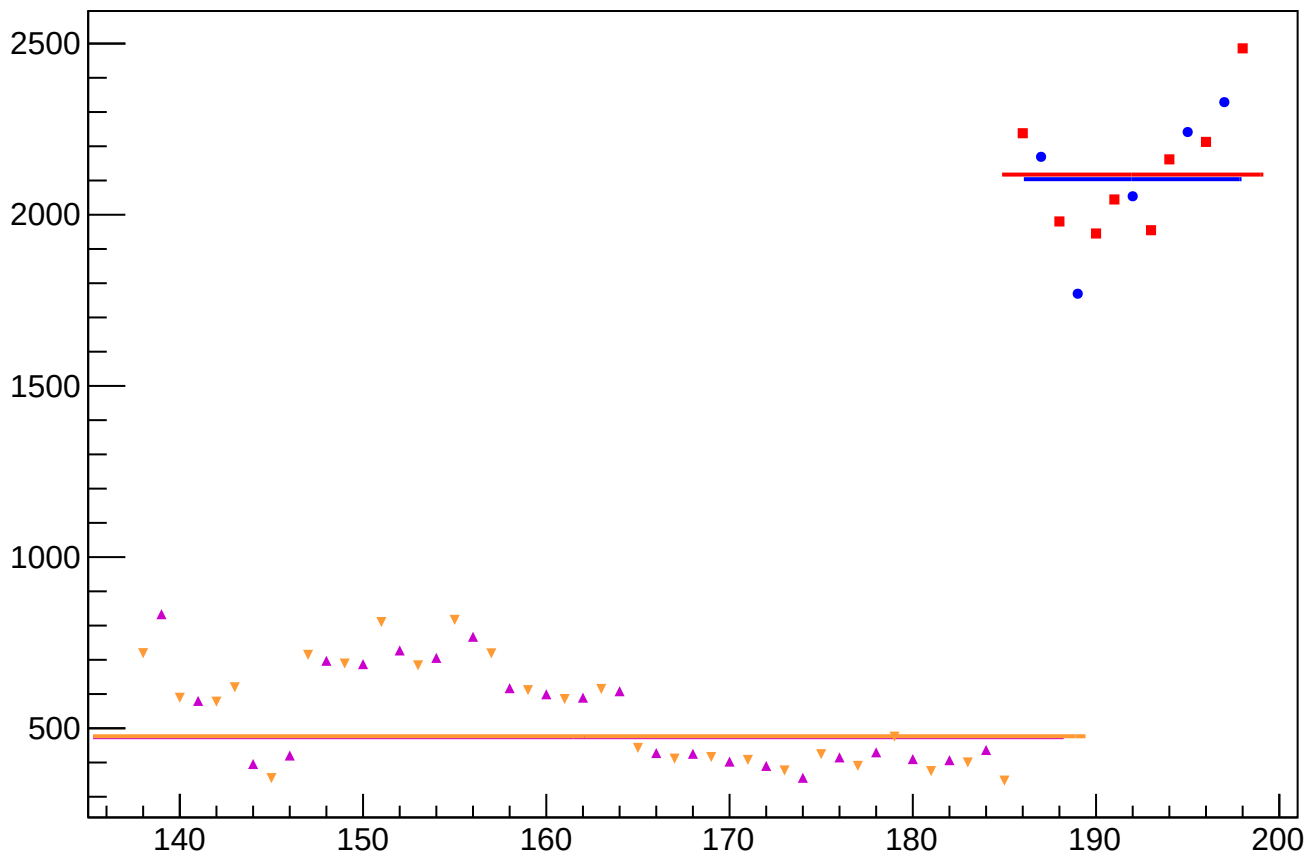
Left In: -61.775+/-117.449 χ^2/NDF : 31.2/22

+ sign 496.073+/-114.824 χ^2/NDF : 57.8/29

All: 235.830+/-81.800 χ^2/NDF : 108.6/60

- sign -32.354+/-116.562 χ^2/NDF : 40.4/30

asym_sam_3726_avg_rms vs Slug



Right In: 2103.880 $\pm$ 0.854 χ^2 /NDF: 51953.8/4

Left Out: 476.690 $\pm$ 0.082 χ^2 /NDF: 2472737.6/24

Right Out: 2117.311 $\pm$ 0.672 χ^2 /NDF: 65258.3/7

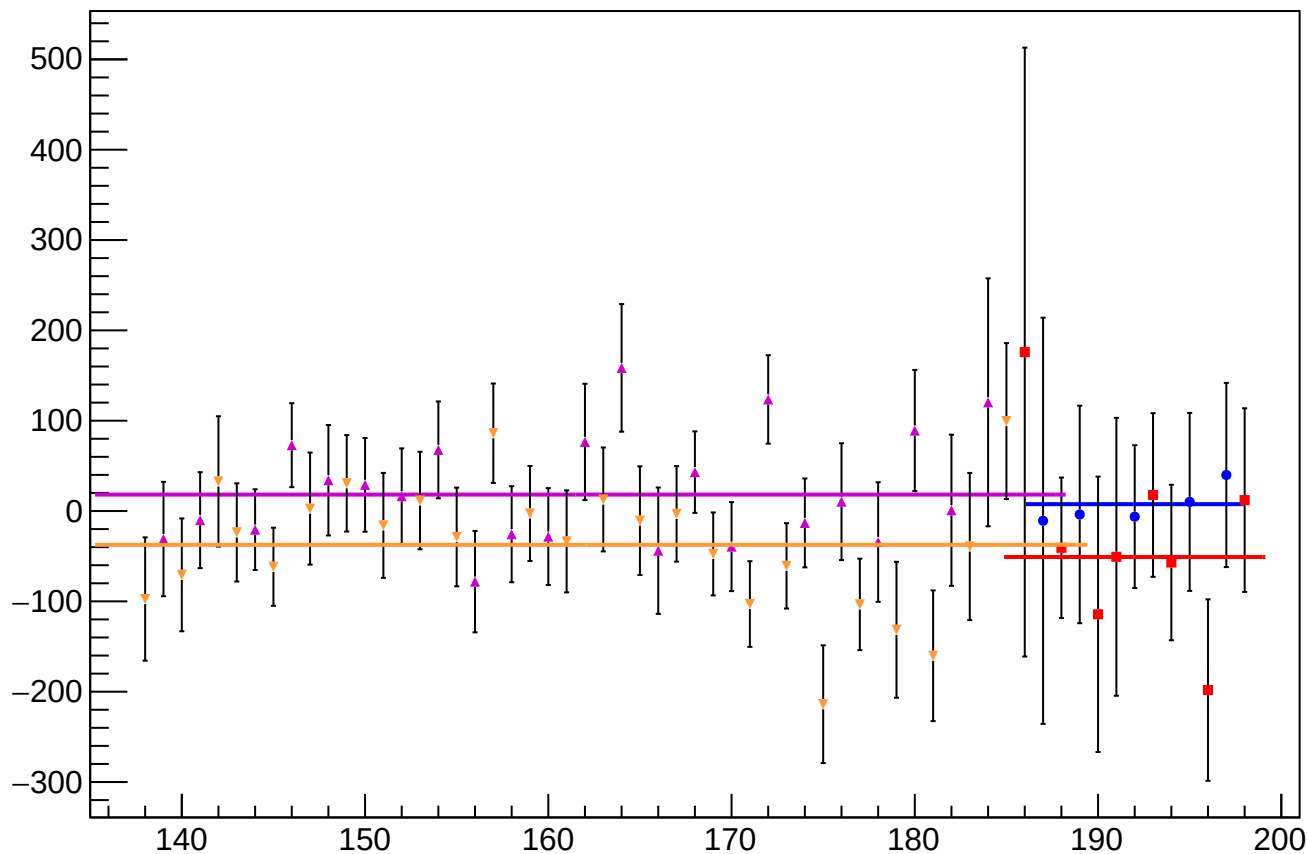
Left In: 473.983 $\pm$ 0.083 χ^2 /NDF: 2087113.7/22

+ sign 491.401 $\pm$ 0.081 χ^2 /NDF: 6123170.1/29

All: 494.994 $\pm$ 0.058 χ^2 /NDF: 14167668.1/60

- sign 498.696 $\pm$ 0.082 χ^2 /NDF: 8040522.6/30

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 7.598 $\pm$ 47.248 χ^2/NDF : 0.1/4

Left Out: -37.413 $\pm$ 11.390 χ^2/NDF : 30.5/24

Right Out: -50.896 $\pm$ 37.470 χ^2/NDF : 3.8/7

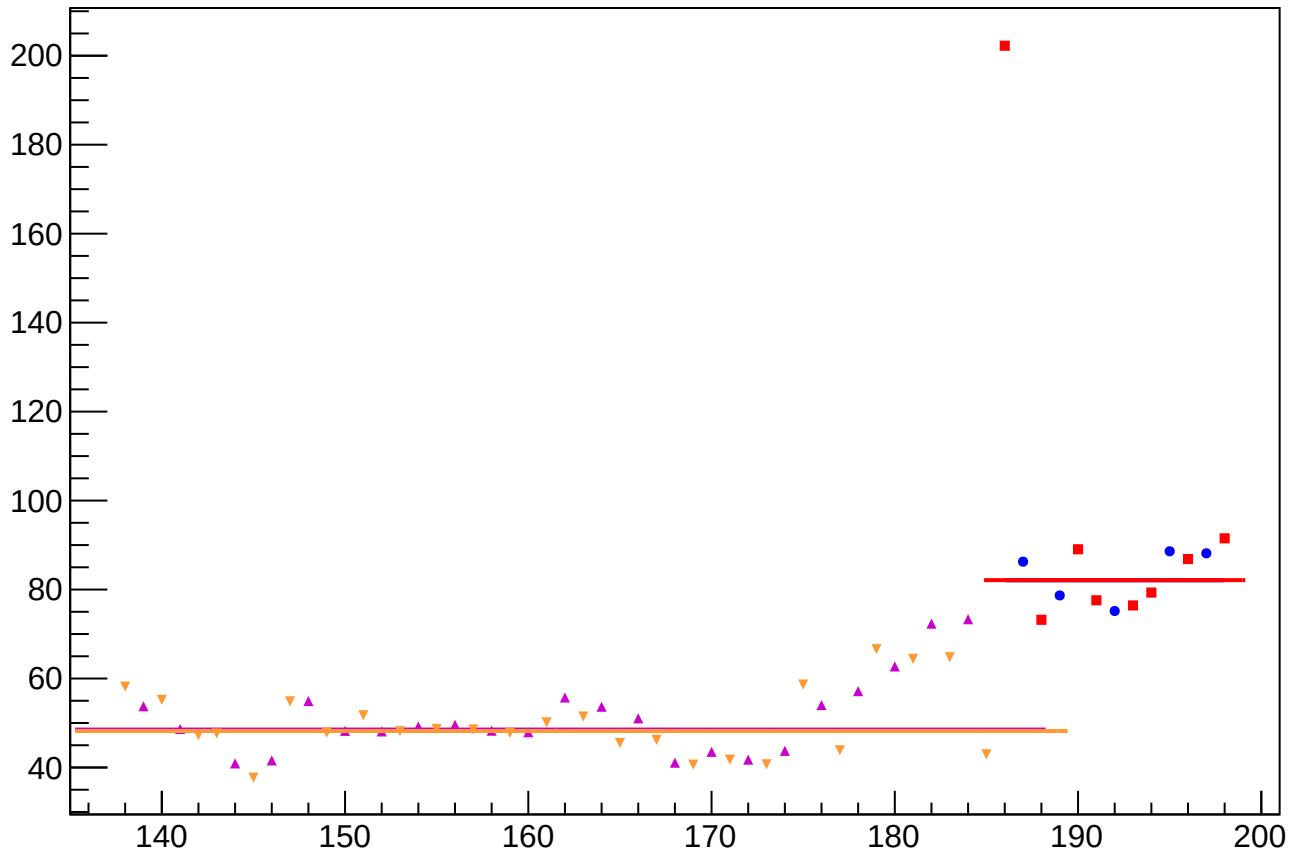
Left In: 18.210 $\pm$ 11.788 χ^2/NDF : 23.0/22

+ sign -34.941 $\pm$ 11.073 χ^2/NDF : 31.5/29

All: -11.839 $\pm$ 7.890 χ^2/NDF : 70.2/60

- sign 11.987 $\pm$ 11.244 χ^2/NDF : 29.8/30

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 82.079+/-0.033 χ^2/NDF : 33386.6/4

Left Out: 48.200+/-0.008 χ^2/NDF : 750196.2/24

Right Out: 82.115+/-0.026 χ^2/NDF : 317804.6/7

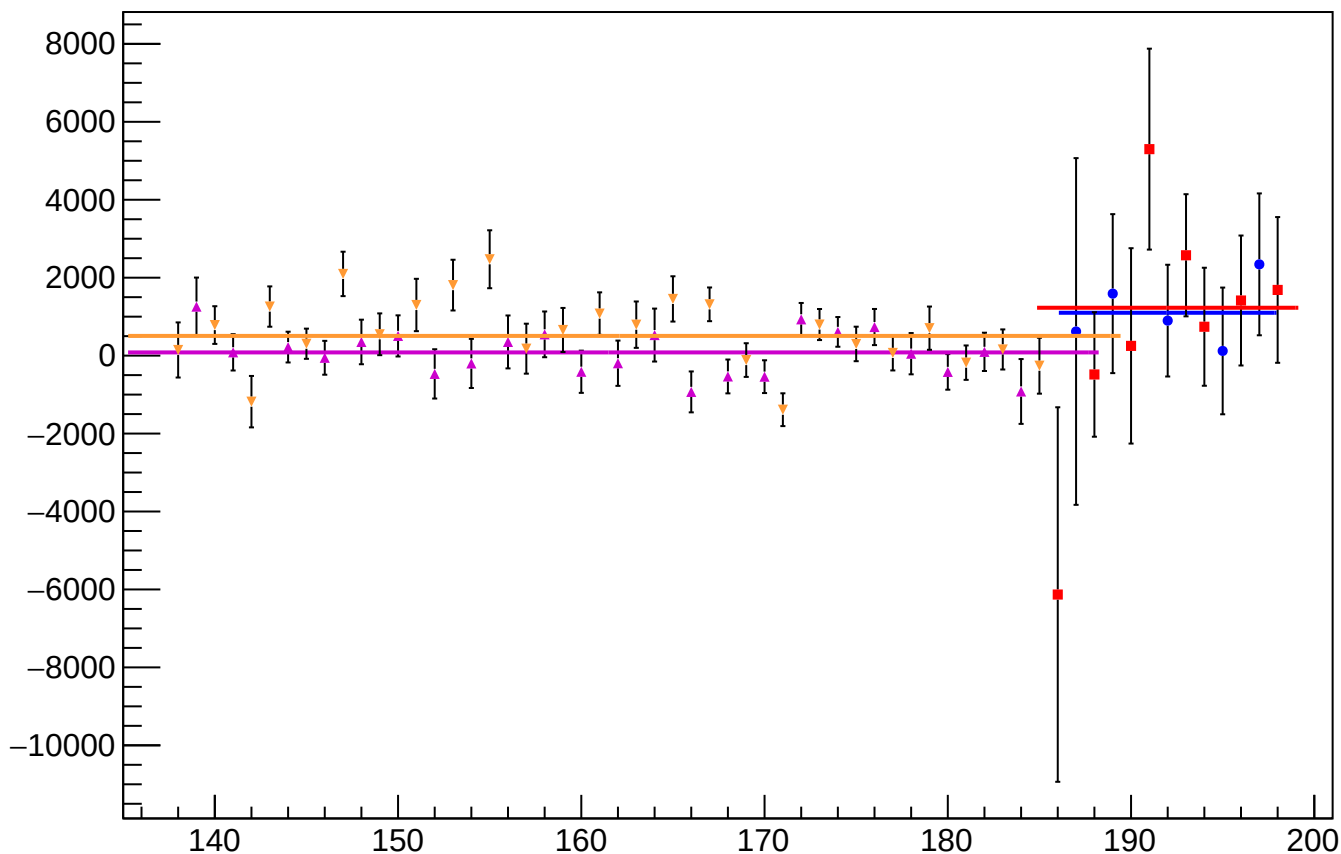
Left In: 48.527+/-0.008 χ^2/NDF : 675340.8/22

+ sign 50.060+/-0.008 χ^2/NDF : 1755472.5/29

All: 50.794+/-0.006 χ^2/NDF : 4228868.3/60

- sign 51.552+/-0.008 χ^2/NDF : 2455535.7/30

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1099.942 $\pm$ 828.353 χ^2 /NDF: 0.9/4

Left Out: 506.205 $\pm$ 103.468 χ^2 /NDF: 65.7/24

Right Out: 1228.725 $\pm$ 669.073 χ^2 /NDF: 7.1/7

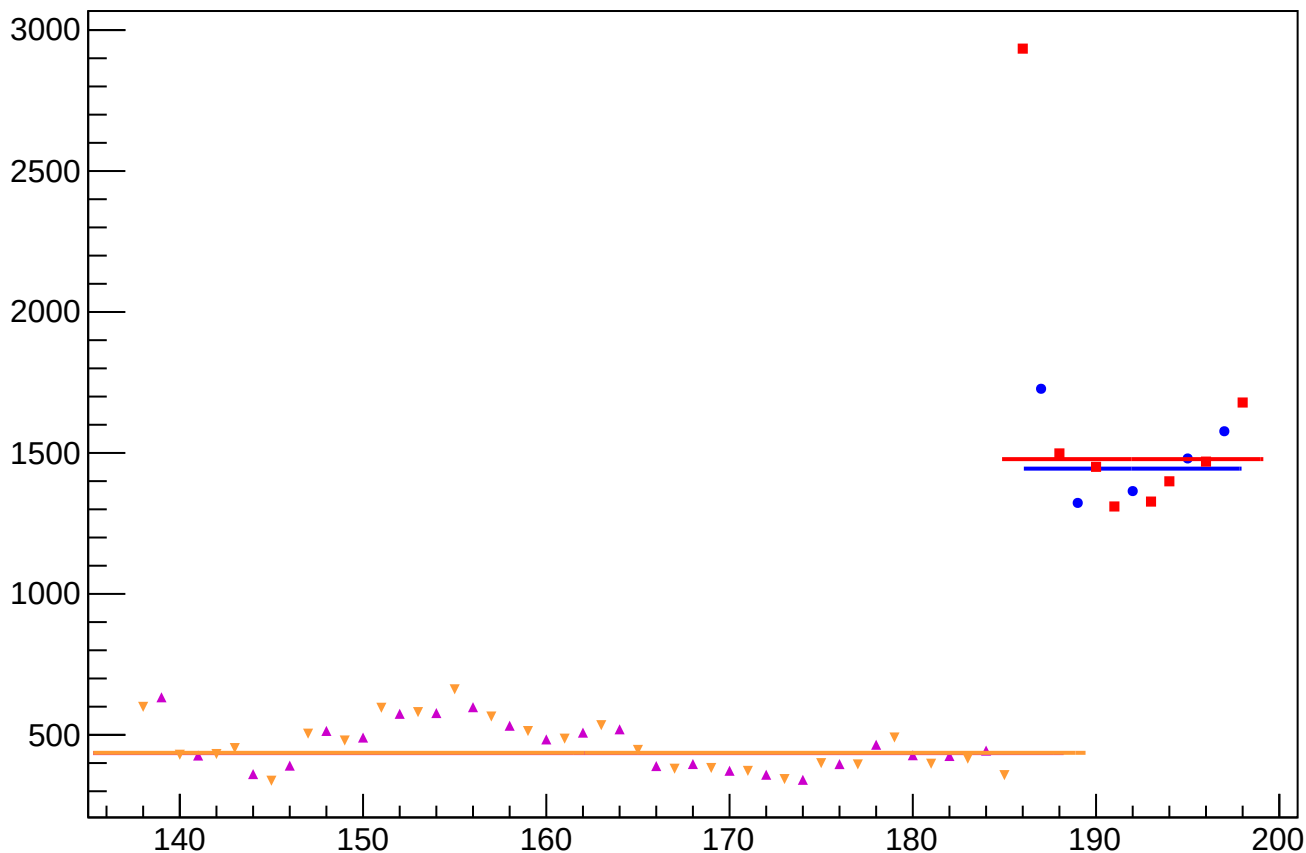
Left In: 82.421 $\pm$ 105.935 χ^2 /NDF: 25.3/22

+ sign 515.326 $\pm$ 102.670 χ^2 /NDF: 67.1/29

All: 316.722 $\pm$ 73.282 χ^2 /NDF: 110.0/60

- sign 110.455 $\pm$ 104.632 χ^2 /NDF: 35.3/30

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1444.381 ± 0.586 $\chi^2/\text{NDF}: 32983.7/4$

Left Out: 436.301 ± 0.073 $\chi^2/\text{NDF}: 1179348.4/24$

Right Out: 1478.079 ± 0.473 $\chi^2/\text{NDF}: 239663.1/7$

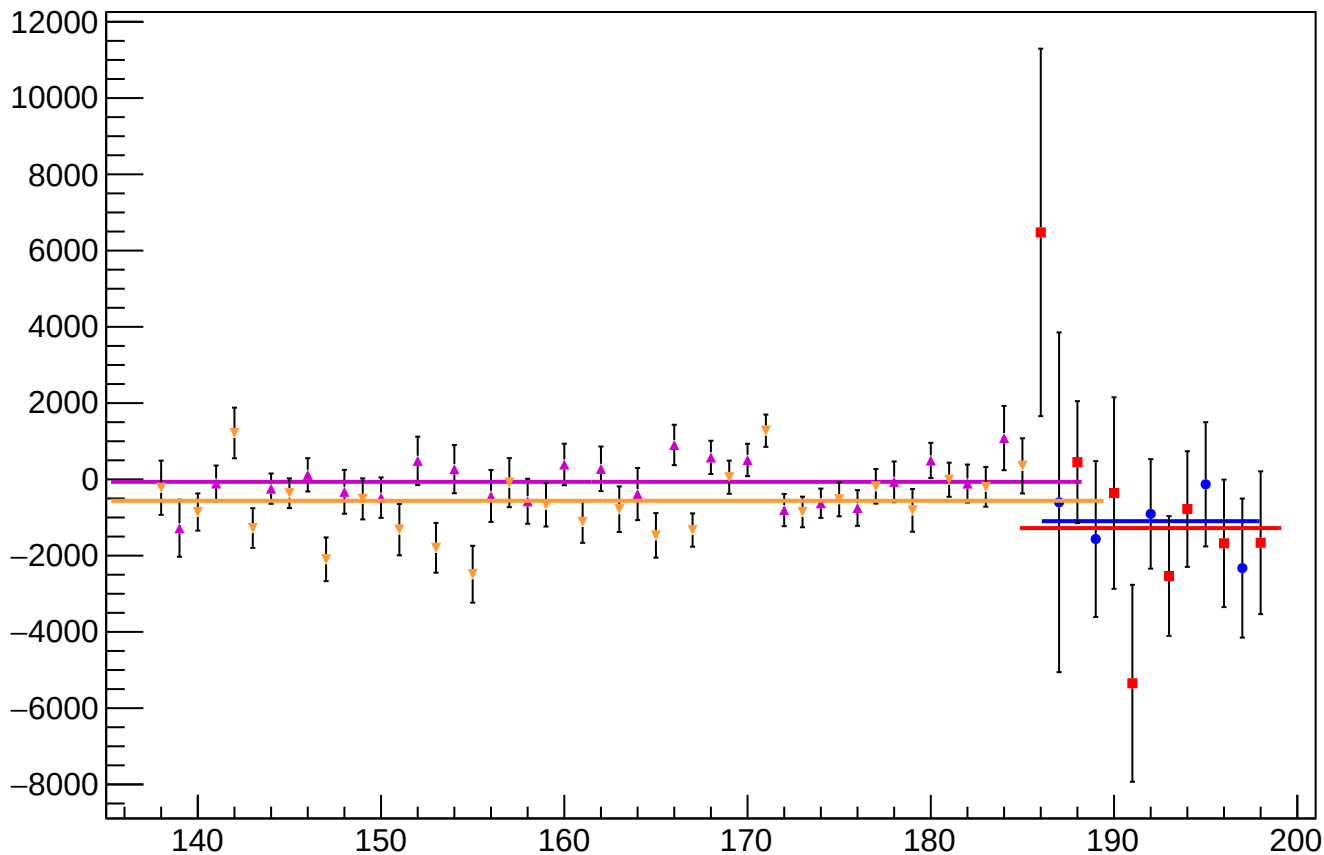
Left In: 435.275 ± 0.075 $\chi^2/\text{NDF}: 1027713.1/22$

+ sign 451.788 ± 0.073 $\chi^2/\text{NDF}: 4128850.3/29$

All: 456.198 ± 0.052 $\chi^2/\text{NDF}: 10143272.6/60$

- sign 460.778 ± 0.074 $\chi^2/\text{NDF}: 6006900.8/30$

asym_sam_15_48_dd_mean vs Slug



Right In: -1096.003 ± 829.806 $\chi^2/\text{NDF}: 0.9/4$

Left Out: -560.684 ± 104.207 $\chi^2/\text{NDF}: 61.8/24$

Right Out: -1277.433 ± 670.258 $\chi^2/\text{NDF}: 7.2/7$

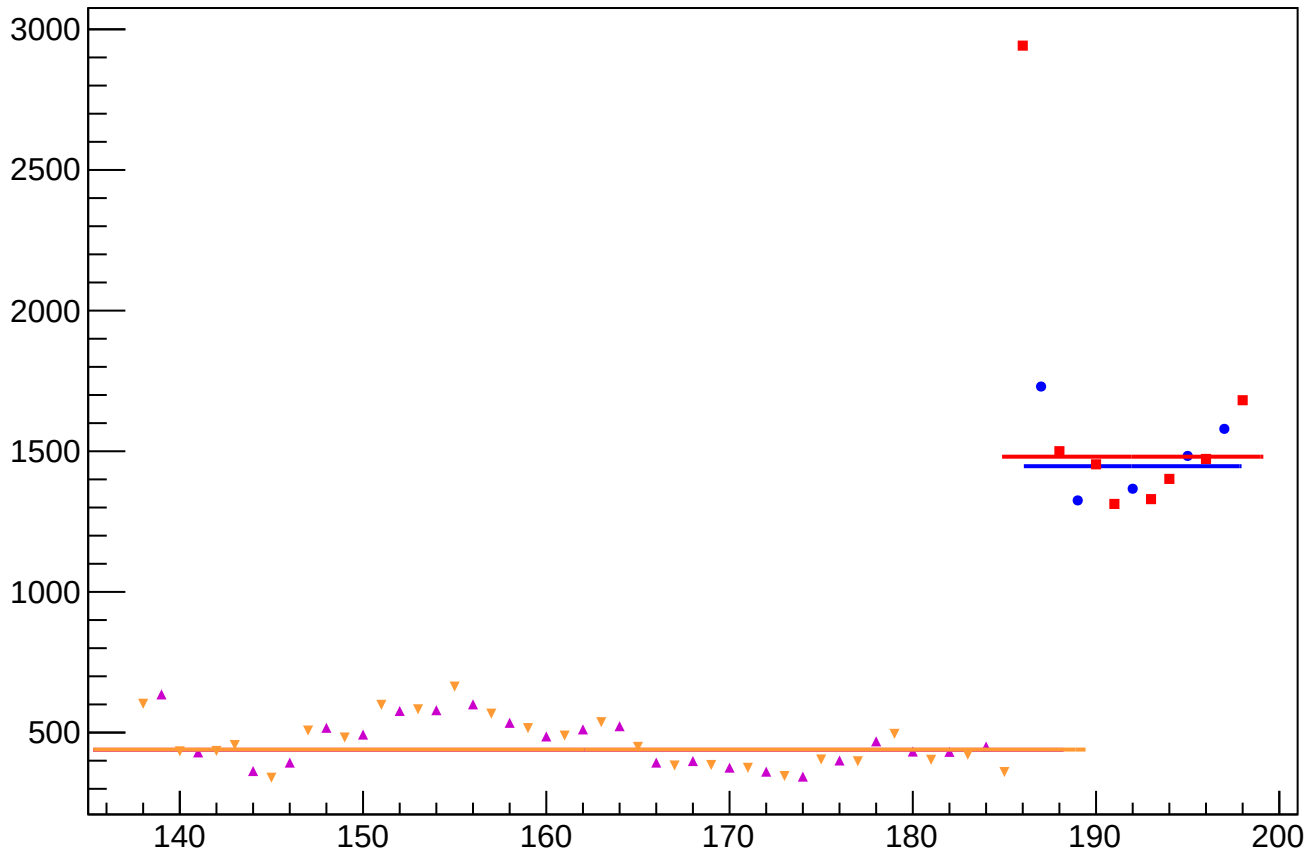
Left In: -64.594 ± 106.708 $\chi^2/\text{NDF}: 25.2/22$

+ sign -568.995 ± 103.395 $\chi^2/\text{NDF}: 63.1/29$

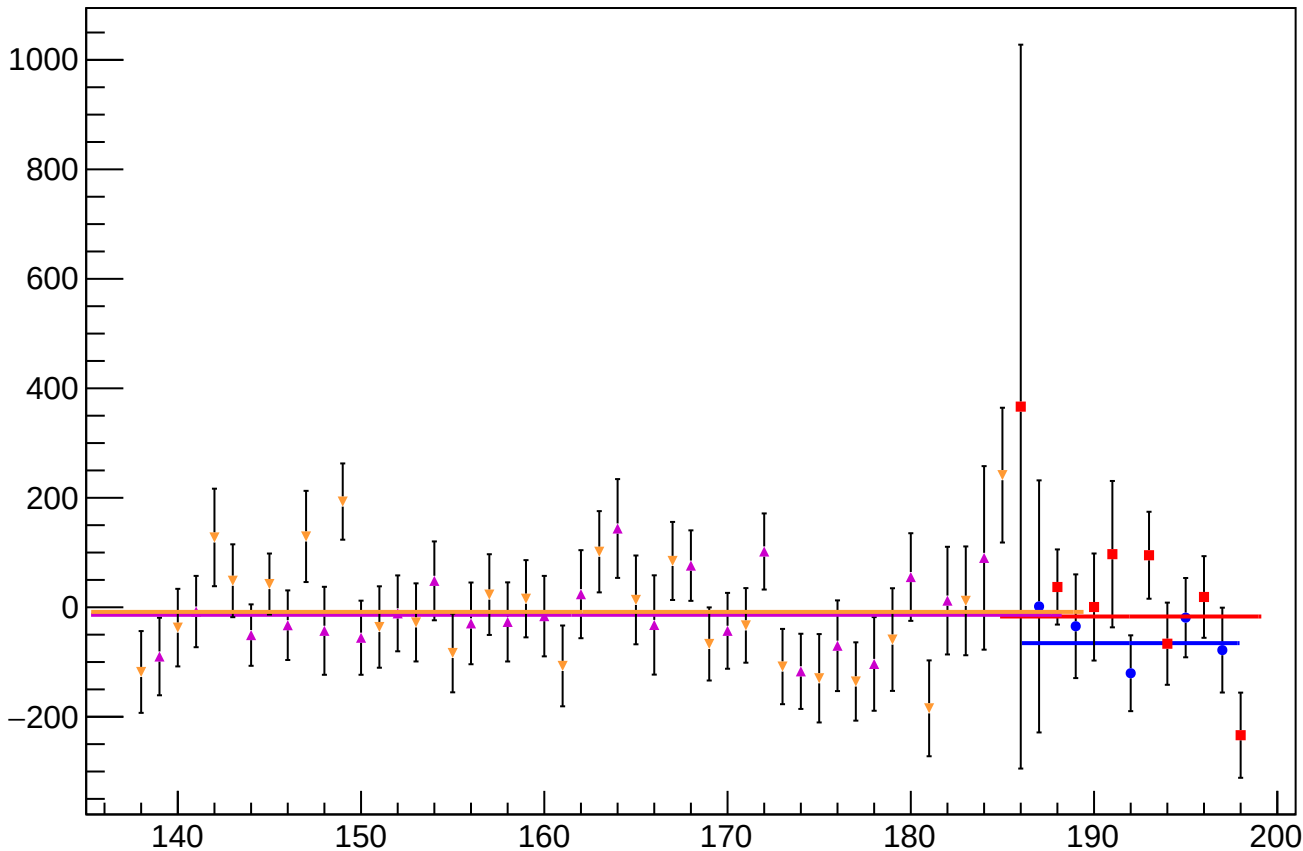
All: -336.296 ± 73.803 $\chi^2/\text{NDF}: 109.0/60$

- sign -94.575 ± 105.380 $\chi^2/\text{NDF}: 35.6/30$

asym_sam_15_48_dd_rms vs Slug



reg asym sam 37 48 dd mean vs Slug



Right In: -65.489+/-37.909 χ^2/NDF : 1.3/4

Left Out: -8.416 ± 14.935 $\chi^2/\text{NDF}: 41.6/24$

Right Out: -16.840 ± 30.773 χ^2/NDF : 12.1/7

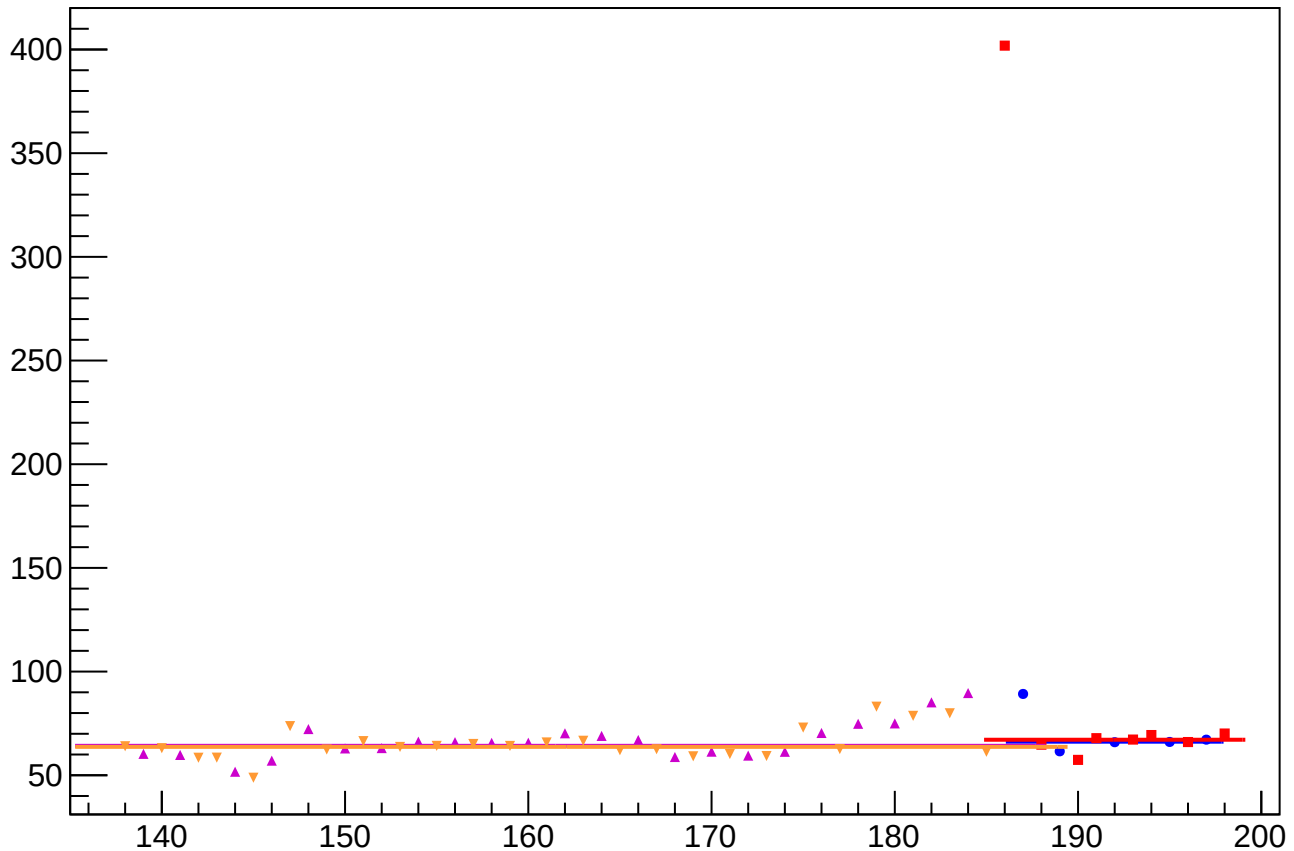
Left In: -13.723+/-15.478 χ^2 /NDF:16.3/22

+ sign -16.084+/-13.895 χ^2/NDF : 44.8/29

All: -15.214 ± 9.801 χ^2/NDF : 73.2/60

- sign -14.353+/-13.827 χ^2/NDF : 28.4/30

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 66.194+/-0.027 χ^2/NDF : 25155.6/4

Left Out: 63.696+/-0.011 χ^2/NDF : 448439.3/24

Right Out: 67.126+/-0.022 χ^2/NDF : 540020.5/7

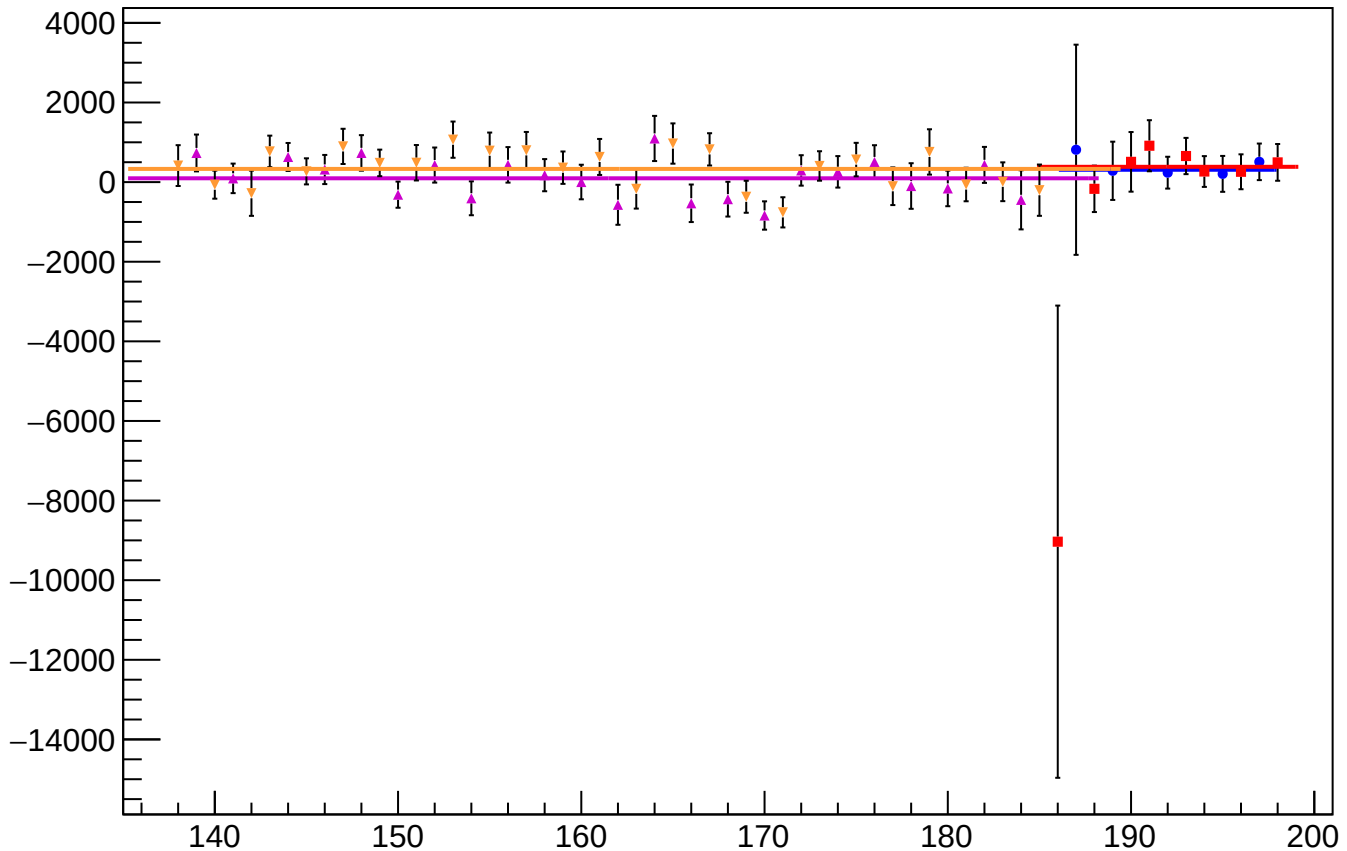
Left In: 64.189+/-0.011 χ^2/NDF : 429670.3/22

+ sign 64.032+/-0.010 χ^2/NDF : 481115.3/29

All: 64.409+/-0.007 χ^2/NDF : 1468278.1/60

- sign 64.782+/-0.010 χ^2/NDF : 984231.4/30

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 310.390 ± 236.214 χ^2/NDF : 0.3/4

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: 384.543 ± 187.038 χ^2/NDF : 4.7/7

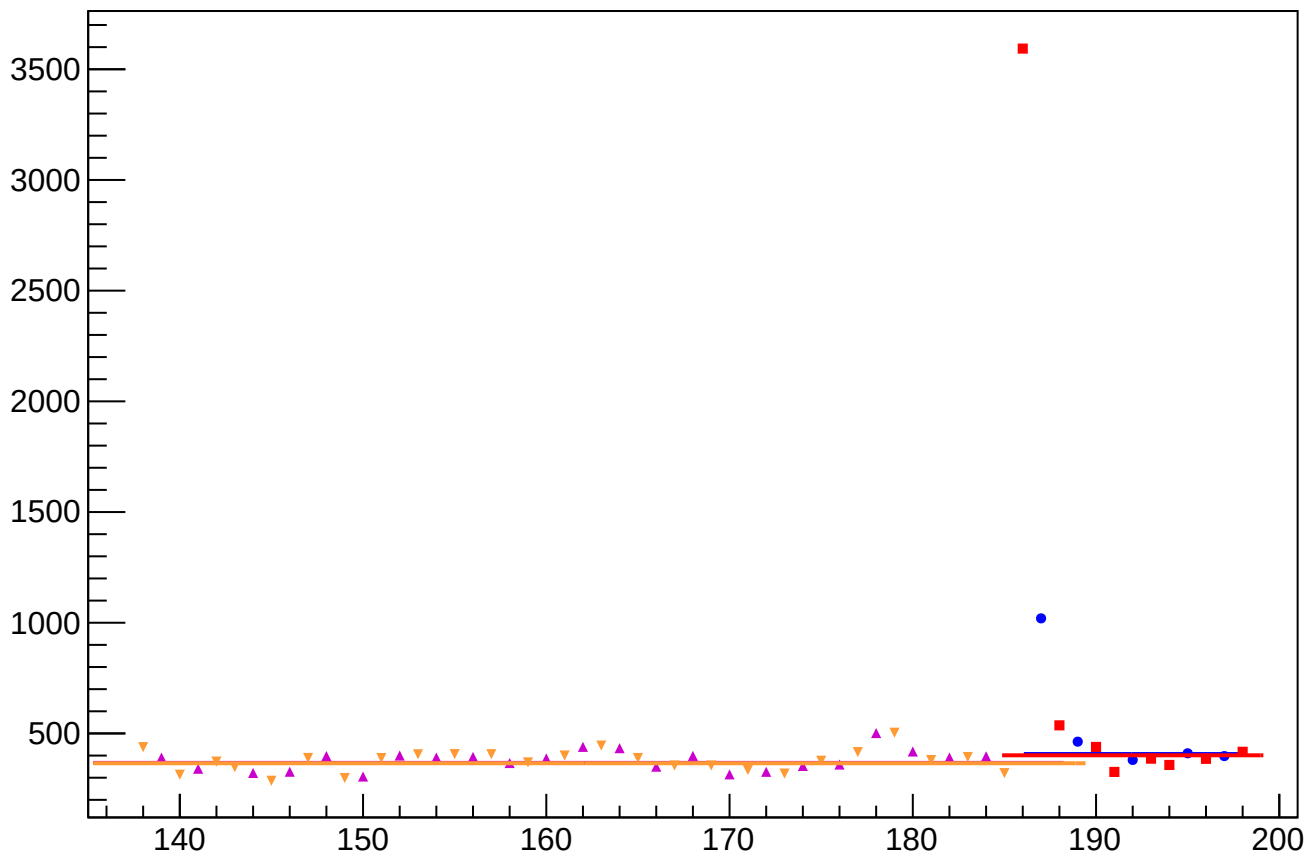
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 329.237 ± 80.870 χ^2/NDF : 30.2/29

All: 238.200 ± 56.914 χ^2/NDF : 68.1/60

- sign 148.862 ± 80.112 χ^2/NDF : 35.3/30

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 406.864±/0.167 χ^2/NDF : 129225.9/4

Left Out: 365.355±/0.061 χ^2/NDF : 618453.7/24

Right Out: 401.228±/0.132 χ^2/NDF : 752236.6/7

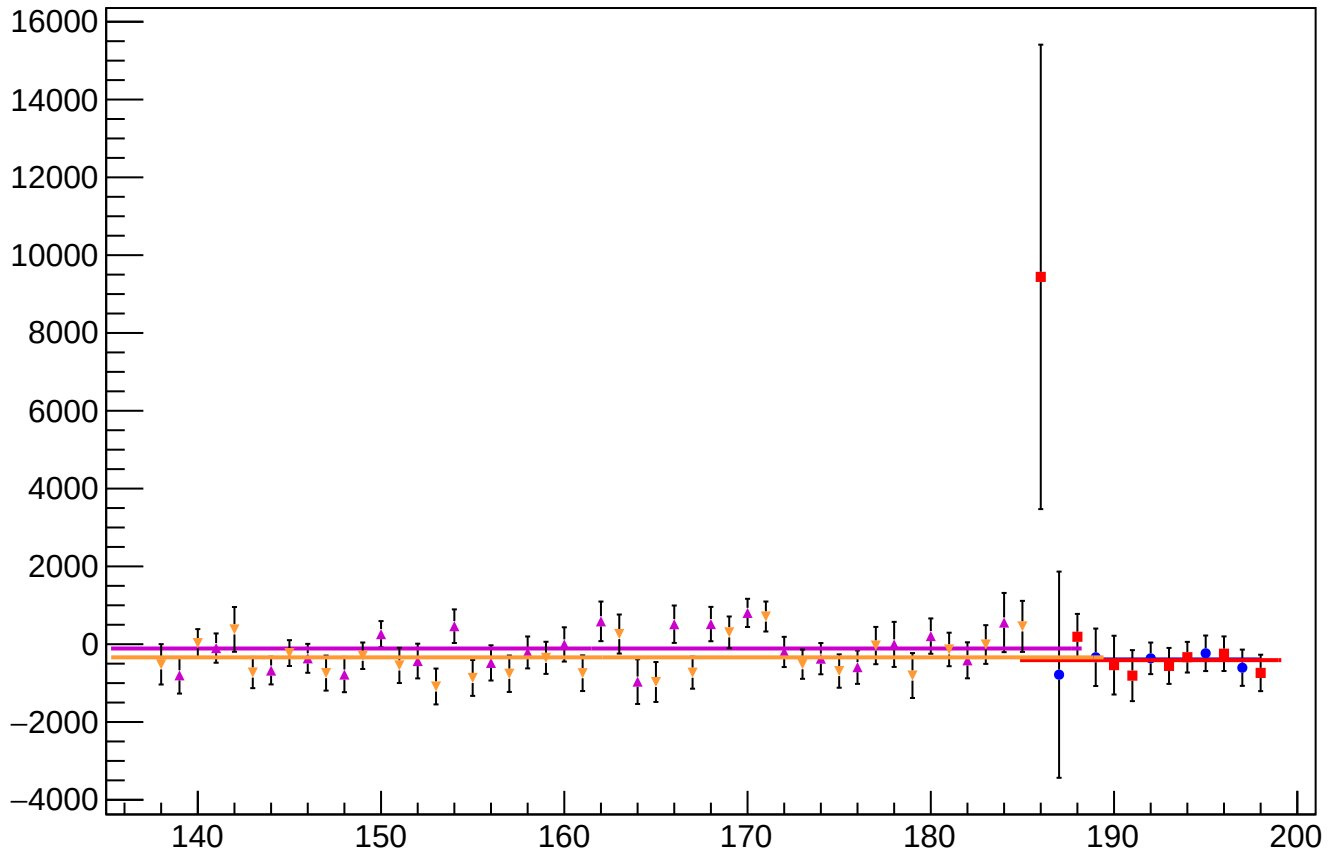
Left In: 366.925±/0.063 χ^2/NDF : 478082.1/22

+ sign 370.220±/0.057 χ^2/NDF : 802199.4/29

All: 371.733±/0.040 χ^2/NDF : 2088834.9/60

- sign 373.218±/0.057 χ^2/NDF : 1285248.8/30

asym_sam_37_48_dd_mean vs Slug



Right In: -392.104 ± 239.460 χ^2/NDF : 0.4/4

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -409.954 ± 189.900 χ^2/NDF : 4.9/7

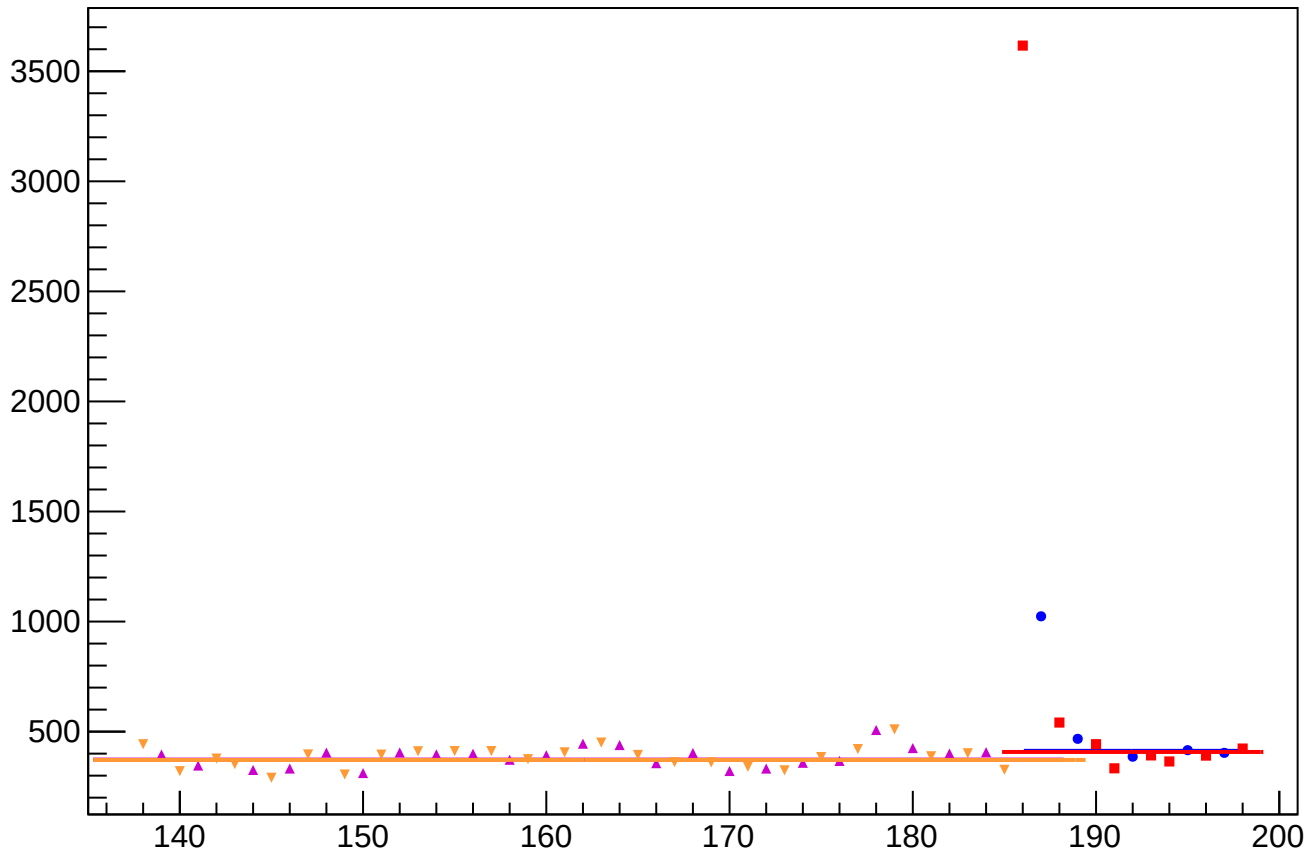
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -344.833 ± 82.144 χ^2/NDF : 28.6/29

All: -254.278 ± 57.816 χ^2/NDF : 67.2/60

- sign -165.378 ± 81.390 χ^2/NDF : 36.2/30

asym_sam_37_48_dd_rms vs Slug



Right In: 412.602 $\pm$ 0.169 χ^2 /NDF: 126716.6/4

Left Out: 371.356 $\pm$ 0.062 χ^2 /NDF: 604070.6/24

Right Out: 407.649 $\pm$ 0.134 χ^2 /NDF: 742675.0/7

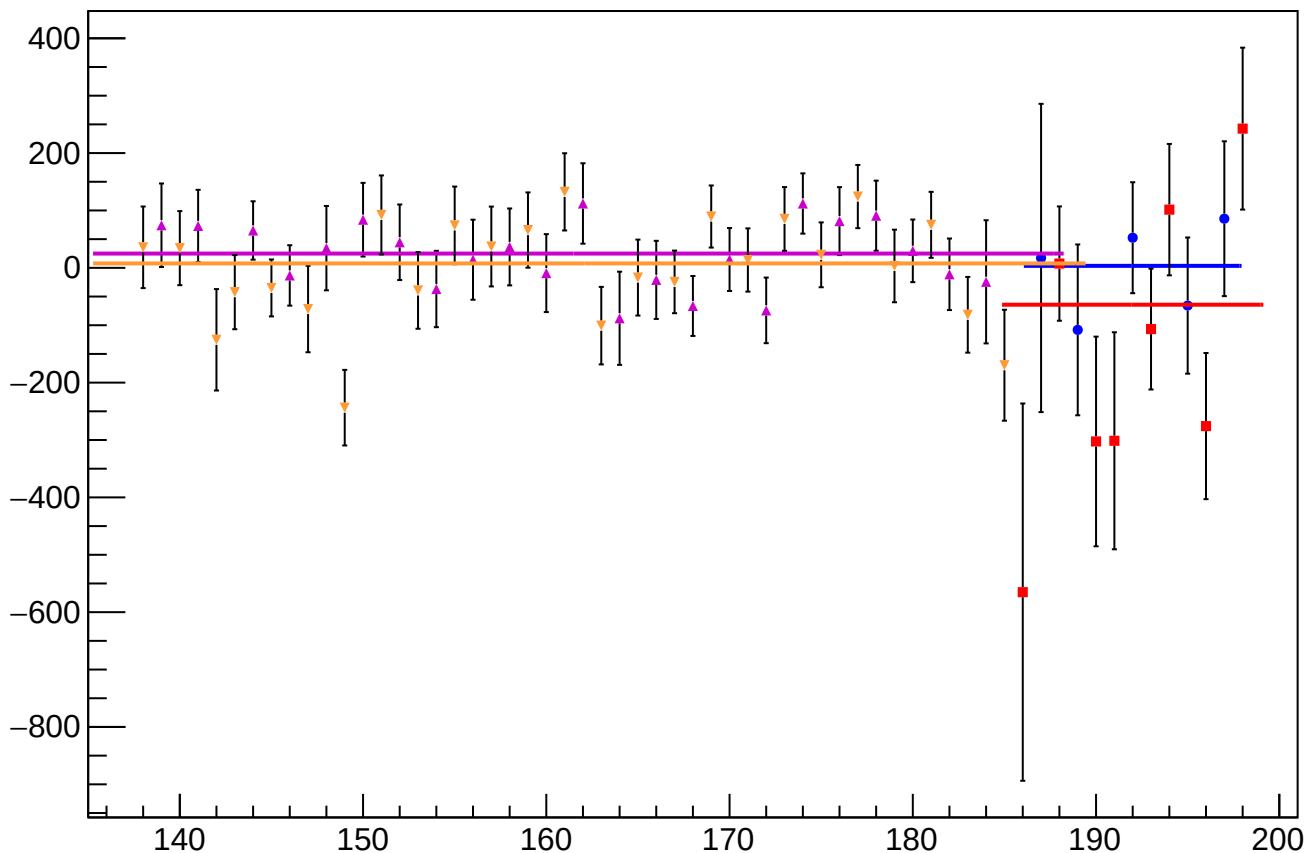
Left In: 372.938 $\pm$ 0.064 χ^2 /NDF: 467340.9/22

+ sign 376.210 $\pm$ 0.058 χ^2 /NDF: 783142.1/29

All: 377.776 $\pm$ 0.041 χ^2 /NDF: 2049148.0/60

- sign 379.314 $\pm$ 0.058 χ^2 /NDF: 1264564.3/30

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 3.471 ± 58.522 $\chi^2/\text{NDF}: 1.5/4$

Left Out: 7.723 ± 12.656 $\chi^2/\text{NDF}: 45.4/24$

Right Out: -64.242 ± 47.327 $\chi^2/\text{NDF}: 15.9/7$

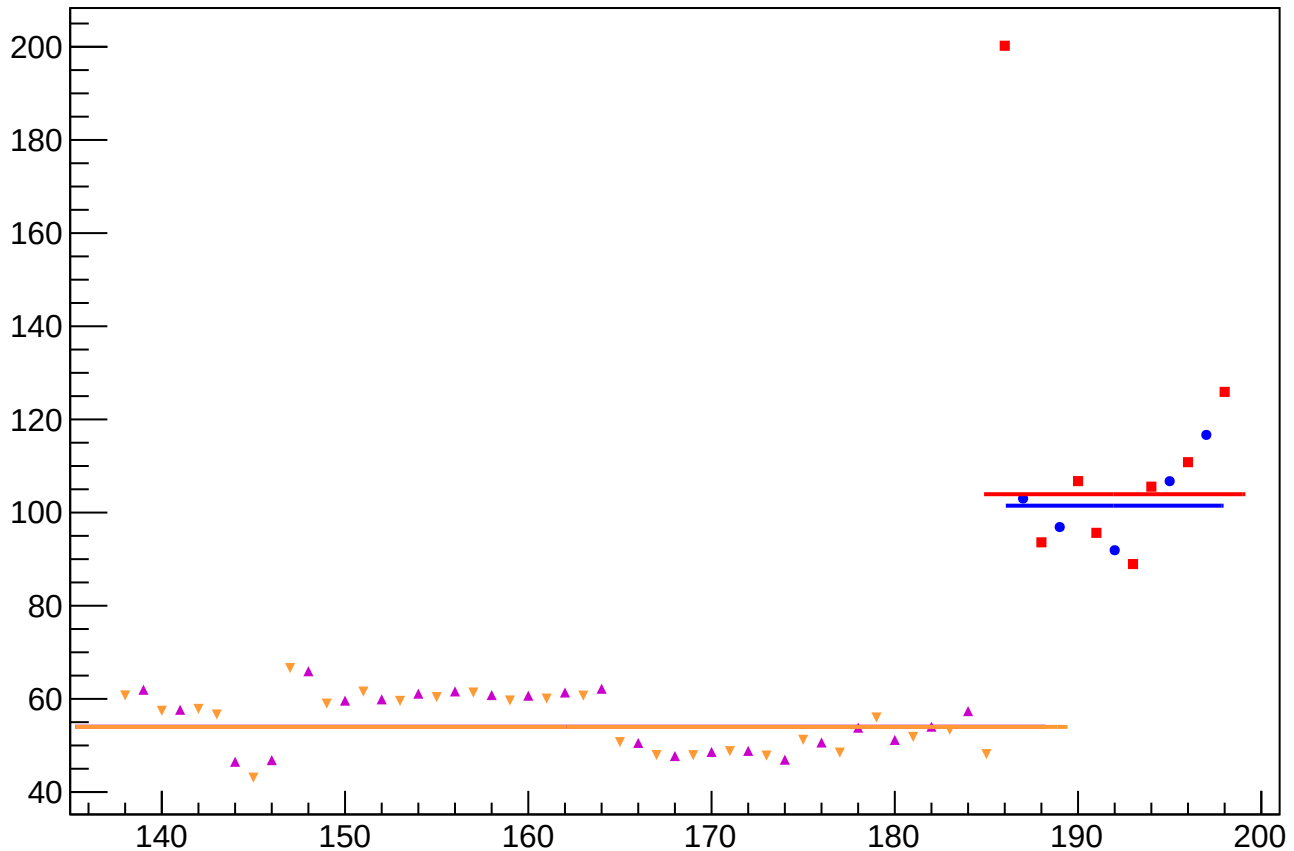
Left In: 24.887 ± 13.029 $\chi^2/\text{NDF}: 19.7/22$

+ sign 7.534 ± 12.370 $\chi^2/\text{NDF}: 47.0/29$

All: 12.986 ± 8.814 $\chi^2/\text{NDF}: 86.2/60$

- sign 18.609 ± 12.561 $\chi^2/\text{NDF}: 38.9/30$

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 101.481 $\pm$ 0.041 χ^2 /NDF: 50861.1/4

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 103.944 $\pm$ 0.033 χ^2 /NDF: 292685.5/7

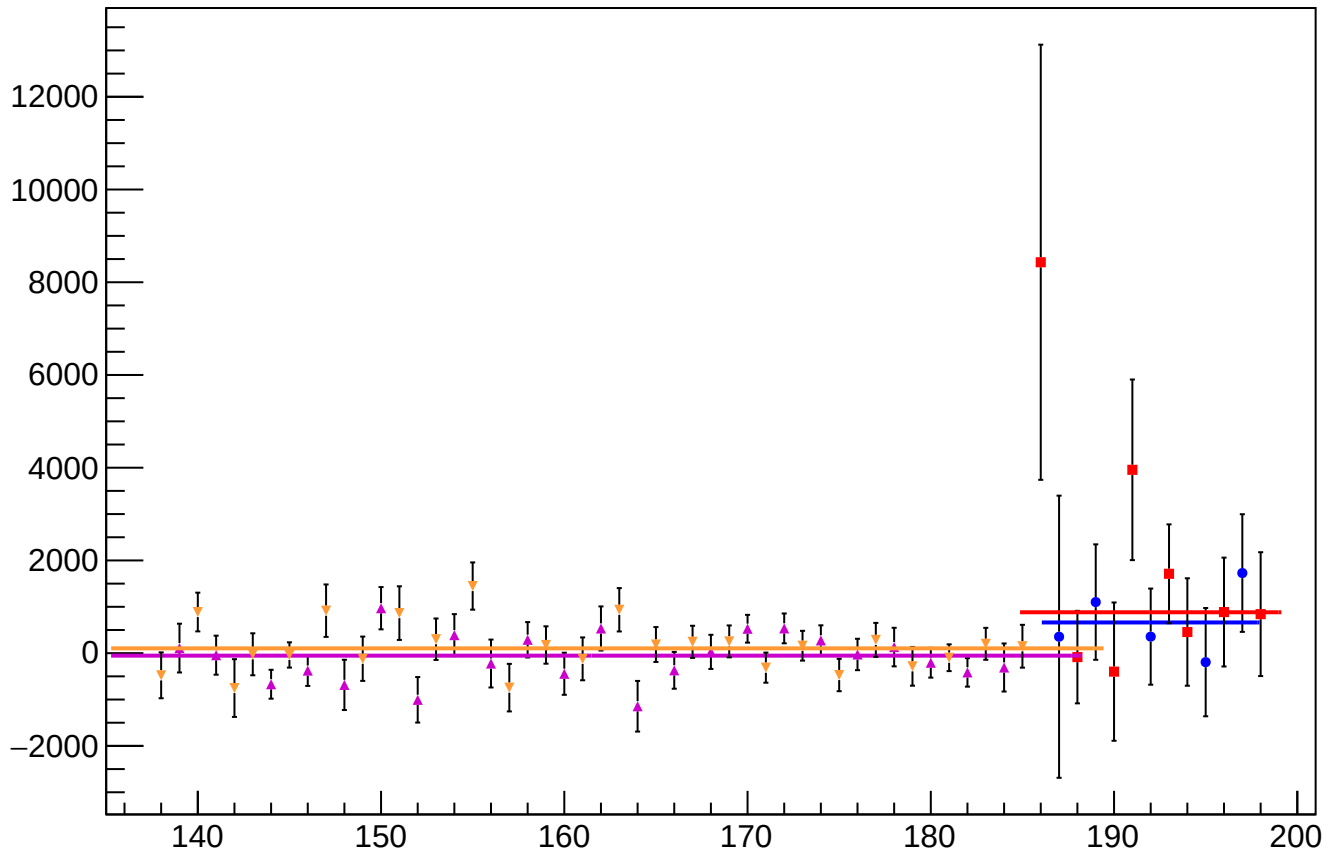
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 56.106 $\pm$ 0.009 χ^2 /NDF: 1768407.4/29

All: 56.814 $\pm$ 0.006 χ^2 /NDF: 4586344.9/60

- sign 57.544 $\pm$ 0.009 χ^2 /NDF: 2804623.3/30

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 662.473 ± 573.745 χ^2/NDF : 1.5/4

Left Out: 103.768 ± 79.344 χ^2/NDF : 31.0/24

Right Out: 882.144 ± 462.522 χ^2/NDF : 7.5/7

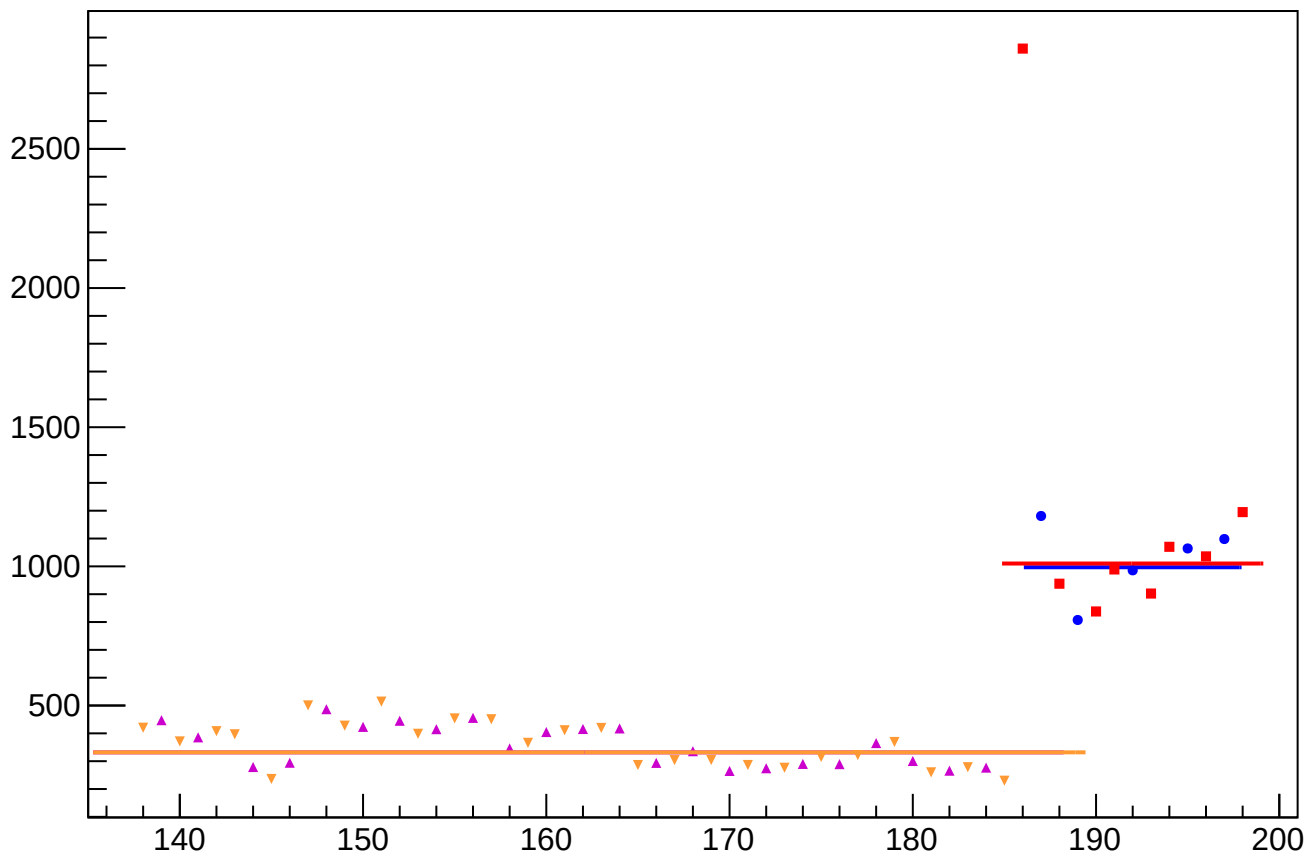
Left In: -53.493 ± 81.201 χ^2/NDF : 34.1/22

+ sign 114.252 ± 78.596 χ^2/NDF : 33.4/29

All: 45.585 ± 56.058 χ^2/NDF : 80.5/60

- sign -25.517 ± 79.978 χ^2/NDF : 45.6/30

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 996.811 ± 0.406 χ^2/NDF : 73337.9/4

Left Out: 331.770 ± 0.056 χ^2/NDF : 1711721.9/24

Right Out: 1010.221 ± 0.327 χ^2/NDF : 413433.7/7

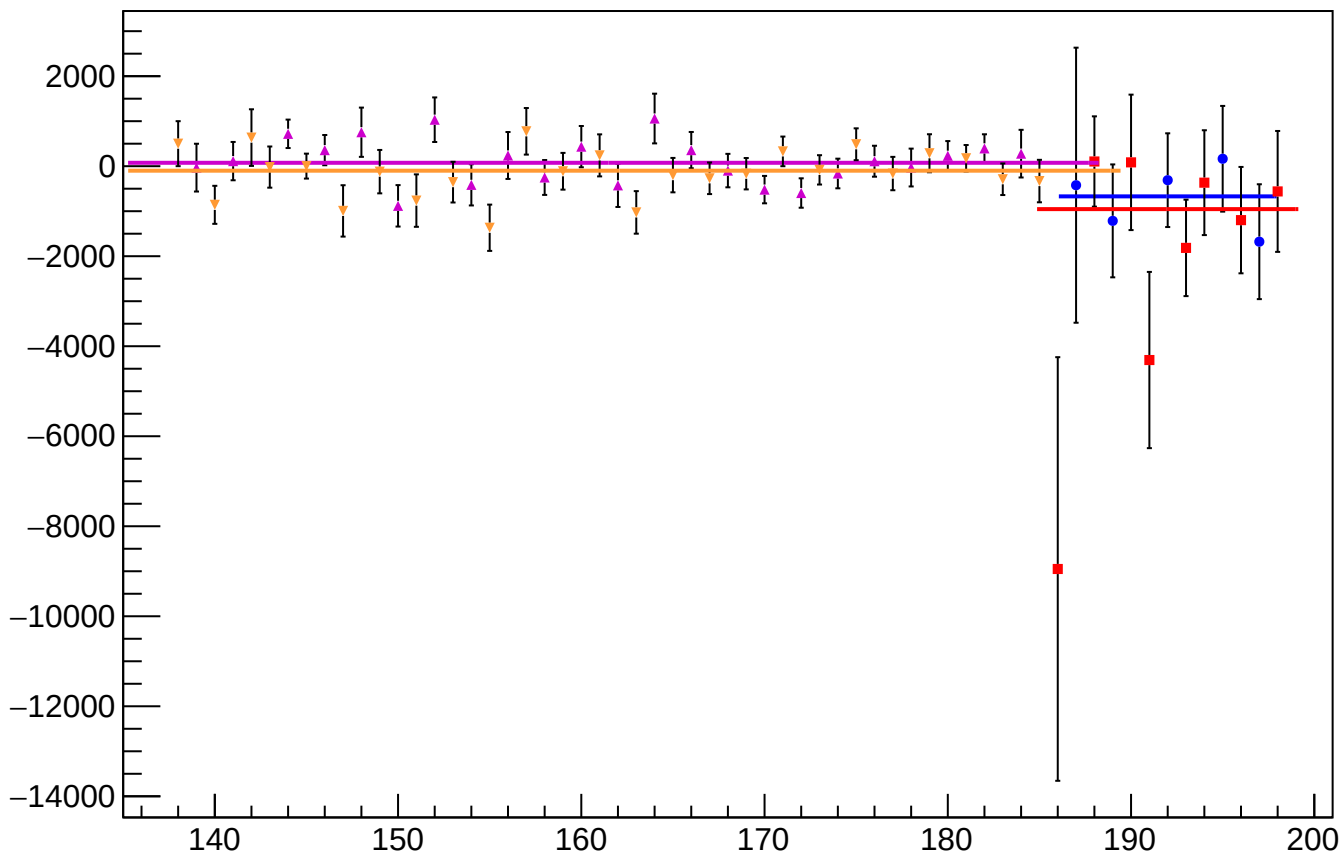
Left In: 331.666 ± 0.057 χ^2/NDF : 1303192.2/22

+ sign 344.250 ± 0.056 χ^2/NDF : 4421766.3/29

All: 348.035 ± 0.040 χ^2/NDF : 10323756.6/60

- sign 351.955 ± 0.057 χ^2/NDF : 5892548.7/30

asym_sam_15_26_dd_mean vs Slug



Right In: -670.466 ± 576.961 χ^2/NDF : 1.4/4

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -953.642 ± 465.216 χ^2/NDF : 8.4/7

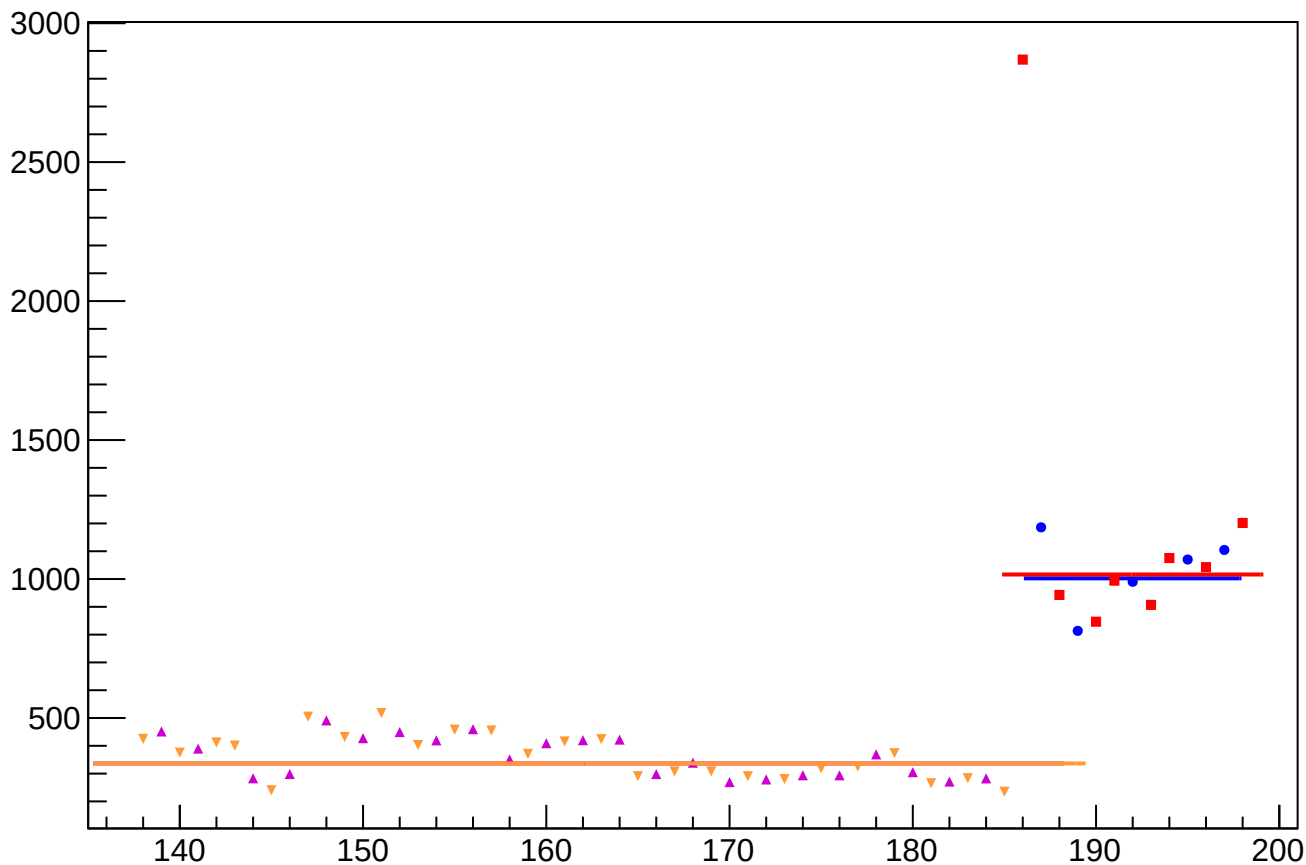
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -110.663 ± 79.658 χ^2/NDF : 33.1/29

All: -34.517 ± 56.816 χ^2/NDF : 80.2/60

- sign 44.332 ± 81.059 χ^2/NDF : 45.3/30

asym_sam_15_26_dd_rms vs Slug



Right In: 1002.478+/-0.408 χ^2/NDF : 72326.6/4

Left Out: 336.557+/-0.057 χ^2/NDF : 1665919.4/24

Right Out: 1016.308+/-0.329 χ^2/NDF : 411476.6/7

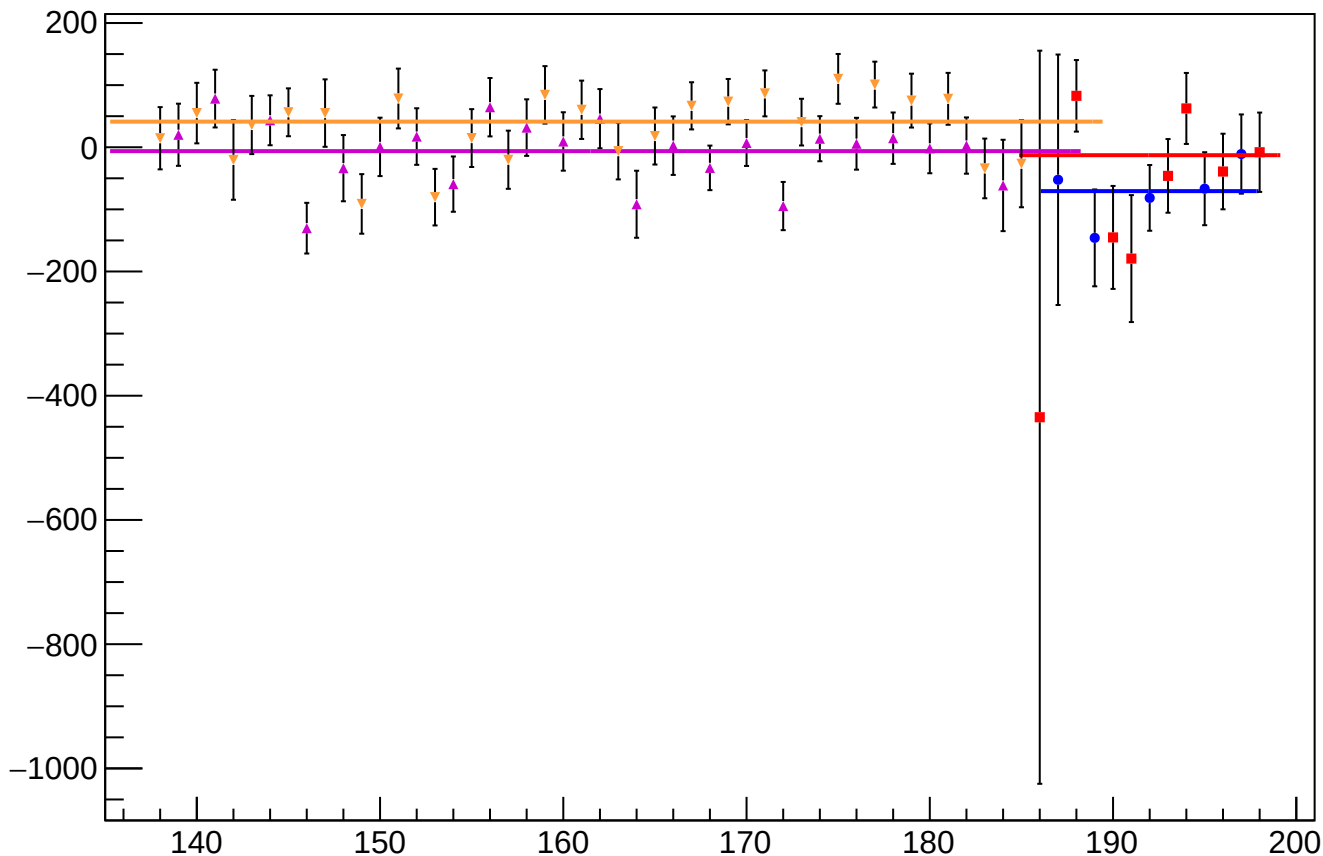
Left In: 336.439+/-0.058 χ^2/NDF : 1269066.3/22

+ sign 349.251+/-0.056 χ^2/NDF : 4351756.0/29

All: 353.097+/-0.040 χ^2/NDF : 10183508.7/60

- sign 357.080+/-0.057 χ^2/NDF : 5822261.7/30

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -70.646 ± 30.401 χ^2/NDF : 1.9/4

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -12.799 ± 24.610 χ^2/NDF : 10.7/7

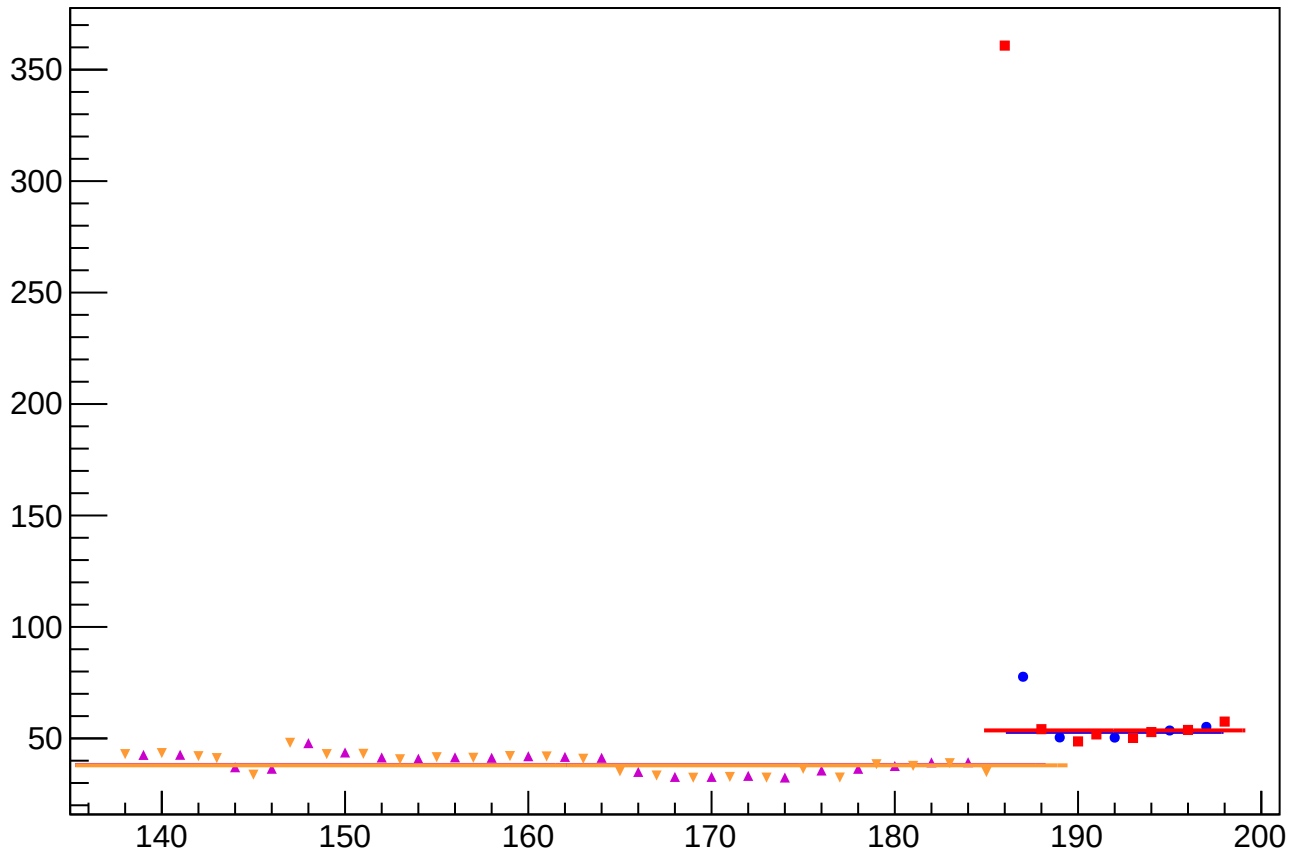
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 32.467 ± 8.532 χ^2/NDF : 48.7/29

All: 12.857 ± 6.056 χ^2/NDF : 100.4/60

- sign -7.052 ± 8.597 χ^2/NDF : 41.0/30

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 52.938 $\pm$ 0.021 χ^2 /NDF: 39508.2/4

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 53.584 $\pm$ 0.017 χ^2 /NDF: 564420.3/7

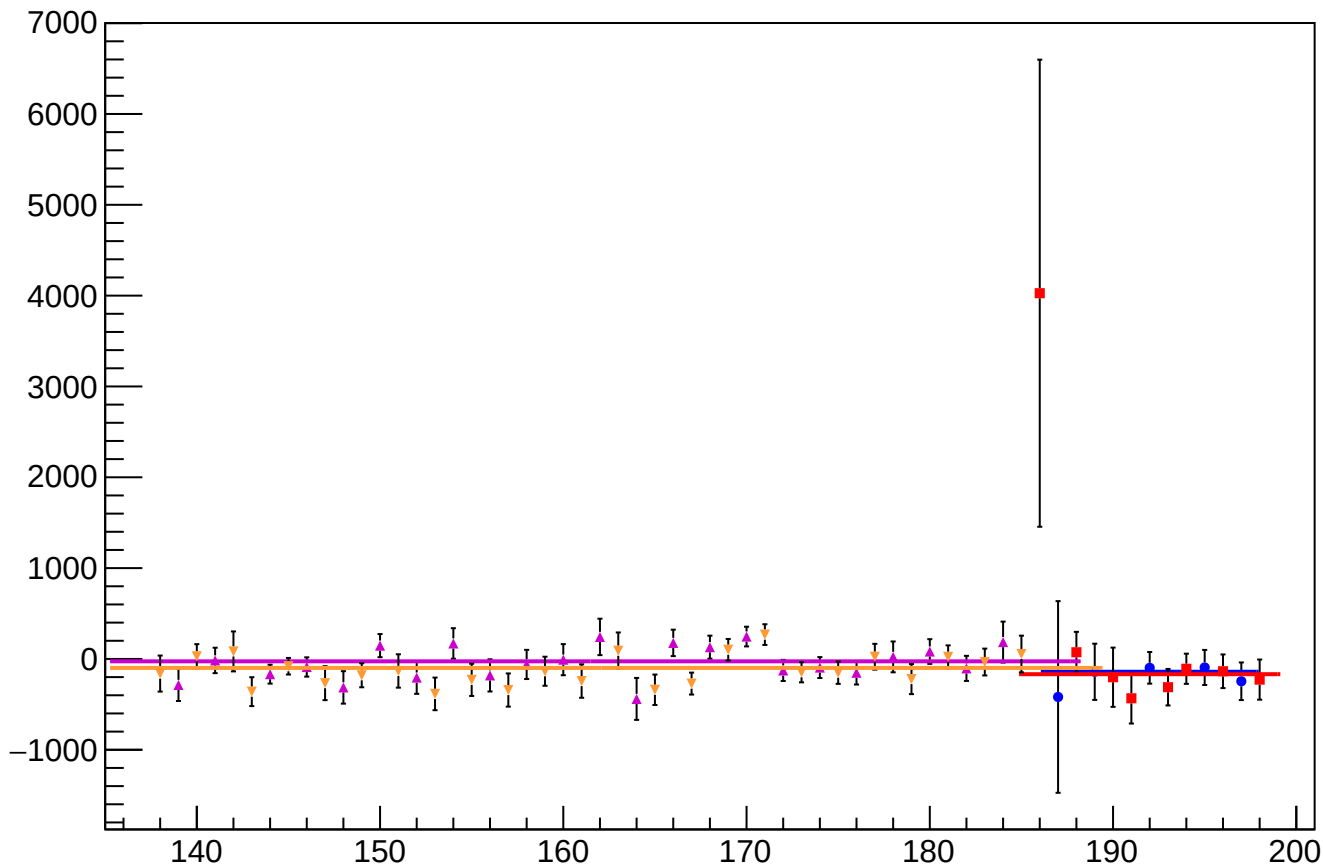
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 39.108 $\pm$ 0.006 χ^2 /NDF: 975905.6/29

All: 39.540 $\pm$ 0.004 χ^2 /NDF: 2643194.0/60

- sign 39.978 $\pm$ 0.006 χ^2 /NDF: 1656955.3/30

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -141.029 ± 102.906 χ^2/NDF : 0.4/4

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -167.827 ± 80.856 χ^2/NDF : 5.5/7

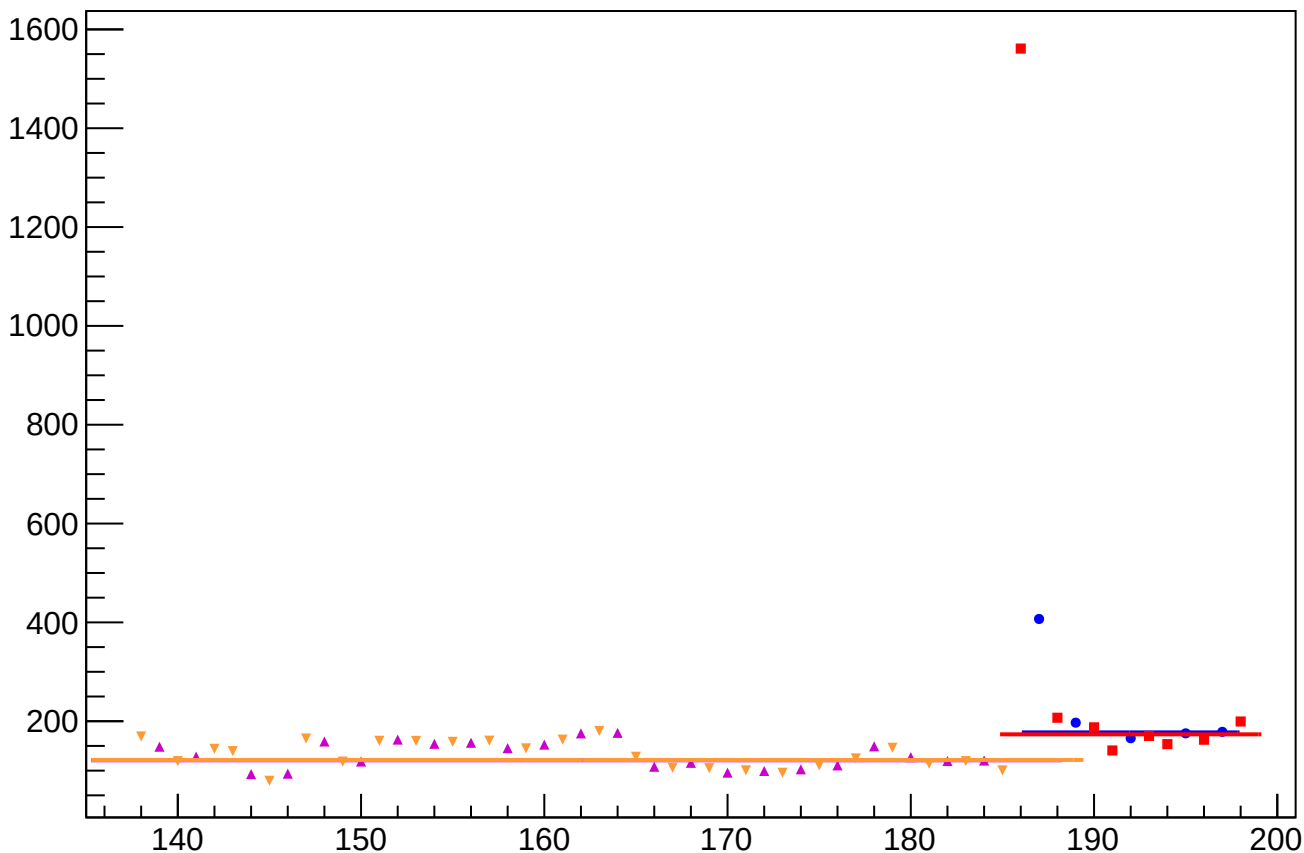
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -101.871 ± 27.998 χ^2/NDF : 33.3/29

All: -72.305 ± 19.748 χ^2/NDF : 74.4/60

- sign -43.033 ± 27.859 χ^2/NDF : 38.9/30

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 177.364 $\pm$ 0.073 χ^2 /NDF: 112129.7/4

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF: 1711423.9/24

Right Out: 173.468 $\pm$ 0.057 χ^2 /NDF: 722356.8/7

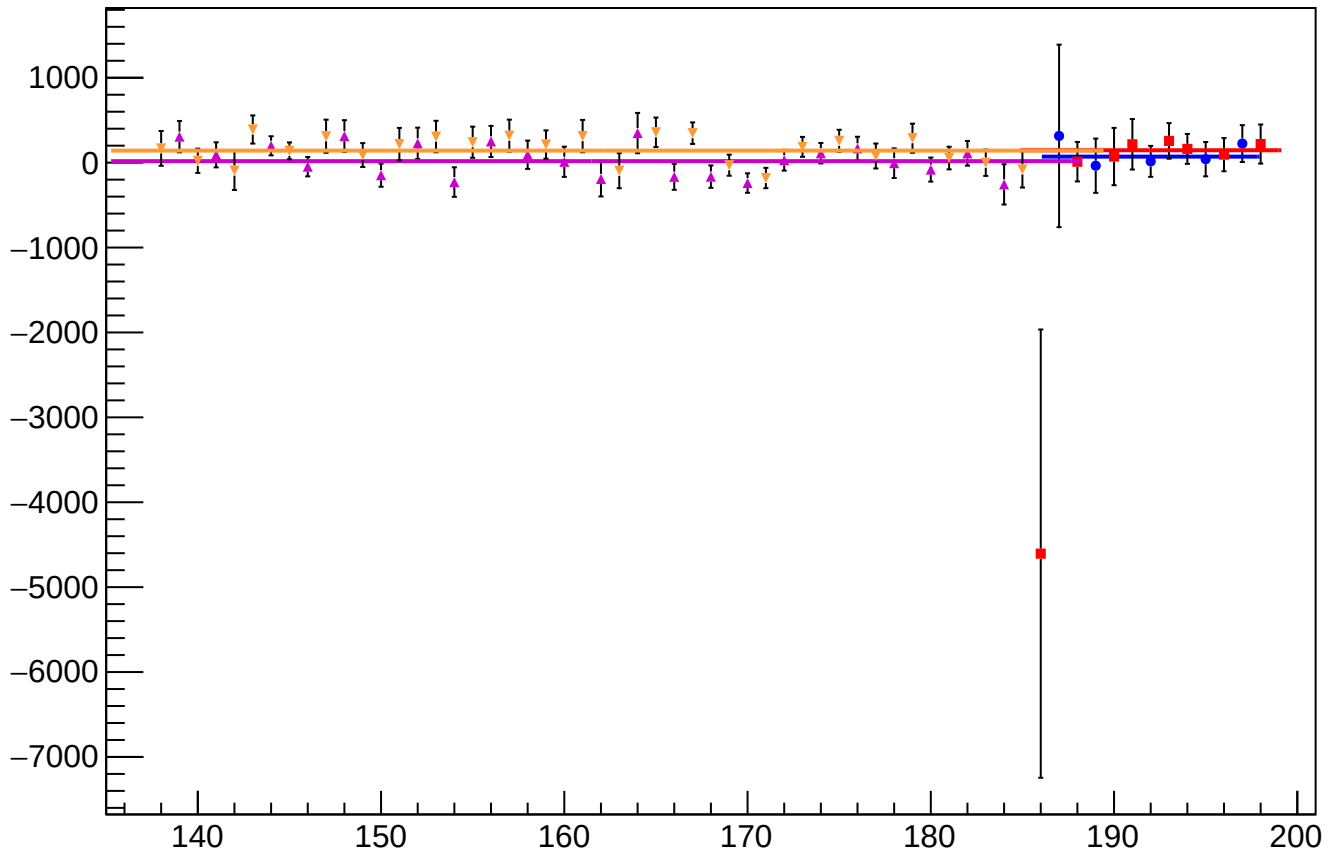
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF: 1382861.4/22

+ sign 125.720 $\pm$ 0.020 χ^2 /NDF: 2367527.0/29

All: 126.446 $\pm$ 0.014 χ^2 /NDF: 5219657.3/60

- sign 127.164 $\pm$ 0.020 χ^2 /NDF: 2849458.2/30

asym_sam_37_26_dd_mean vs Slug



Right In: 71.027 $\pm$ 107.548 χ^2 /NDF: 0.8/4

Left Out: 142.014 $\pm$ 30.574 χ^2 /NDF: 26.9/24

Right Out: 146.049 $\pm$ 84.866 χ^2 /NDF: 4.1/7

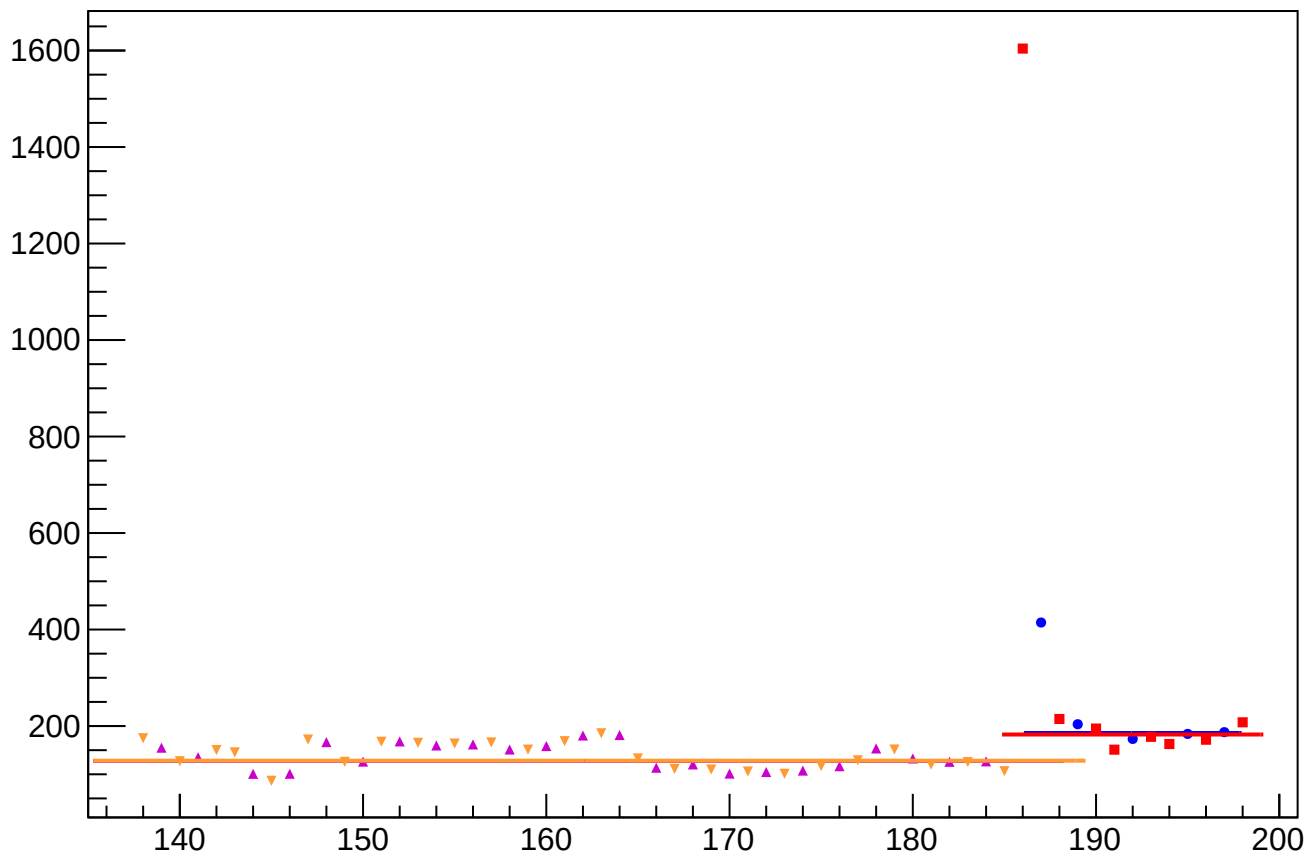
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 136.706 $\pm$ 29.409 χ^2 /NDF: 28.1/29

All: 84.630 $\pm$ 20.753 χ^2 /NDF: 70.6/60

- sign 32.971 $\pm$ 29.291 χ^2 /NDF: 36.3/30

asym_sam_37_26_dd_rms vs Slug



Right In: 185.554 $\pm$ 0.076 χ^2 /NDF: 106647.2/4

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF: 1532922.0/24

Right Out: 182.452 $\pm$ 0.060 χ^2 /NDF: 699668.2/7

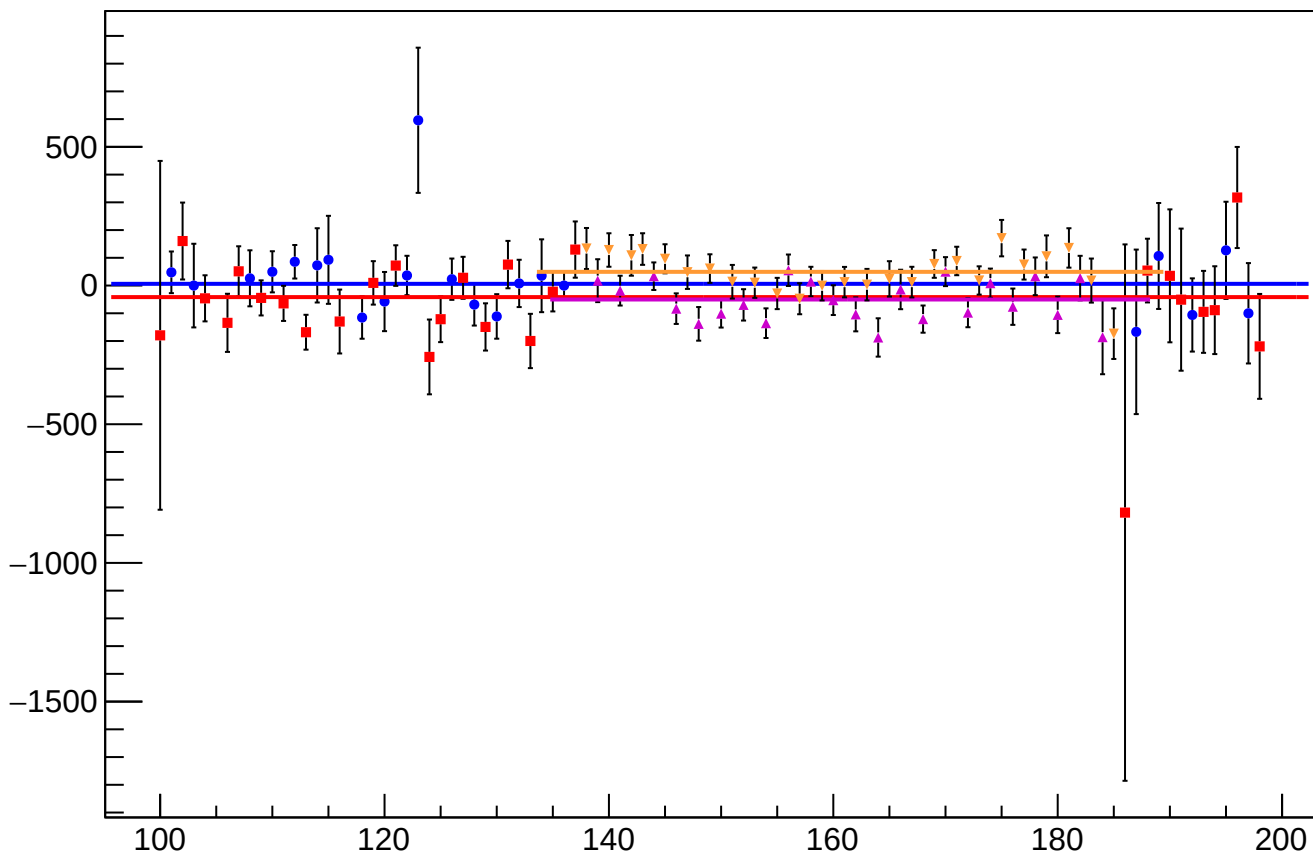
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF: 1235705.3/22

+ sign 132.466 $\pm$ 0.021 χ^2 /NDF: 2166280.4/29

All: 133.278 $\pm$ 0.015 χ^2 /NDF: 4842187.9/60

- sign 134.085 $\pm$ 0.021 χ^2 /NDF: 2672864.7/30

reg_asym_sam_1357_avg_mean vs Slug



Right In: 6.155 ± 19.561 χ^2/NDF : 16.5/21

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -41.682 ± 18.588 χ^2/NDF : 31.4/26

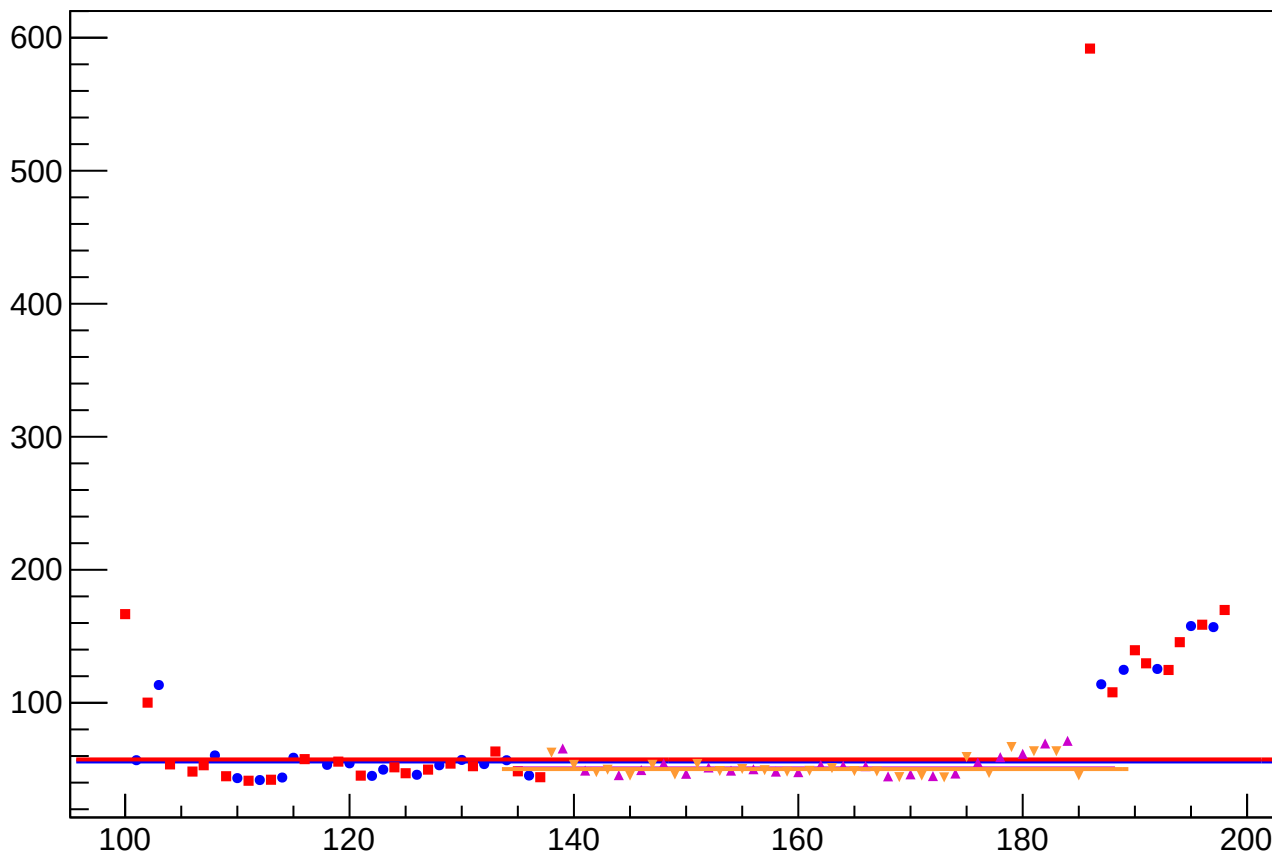
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 37.855 ± 10.107 χ^2/NDF : 48.2/46

All: -4.410 ± 7.190 χ^2/NDF : 147.3/96

- sign -47.711 ± 10.231 χ^2/NDF : 63.8/49

reg_asym_sam_1357_avg_rms vs Slug



Right In: 55.911 $\pm$ 0.014 χ^2 /NDF: 2847707.4/21

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 57.442 $\pm$ 0.013 χ^2 /NDF: 4543309.6/26

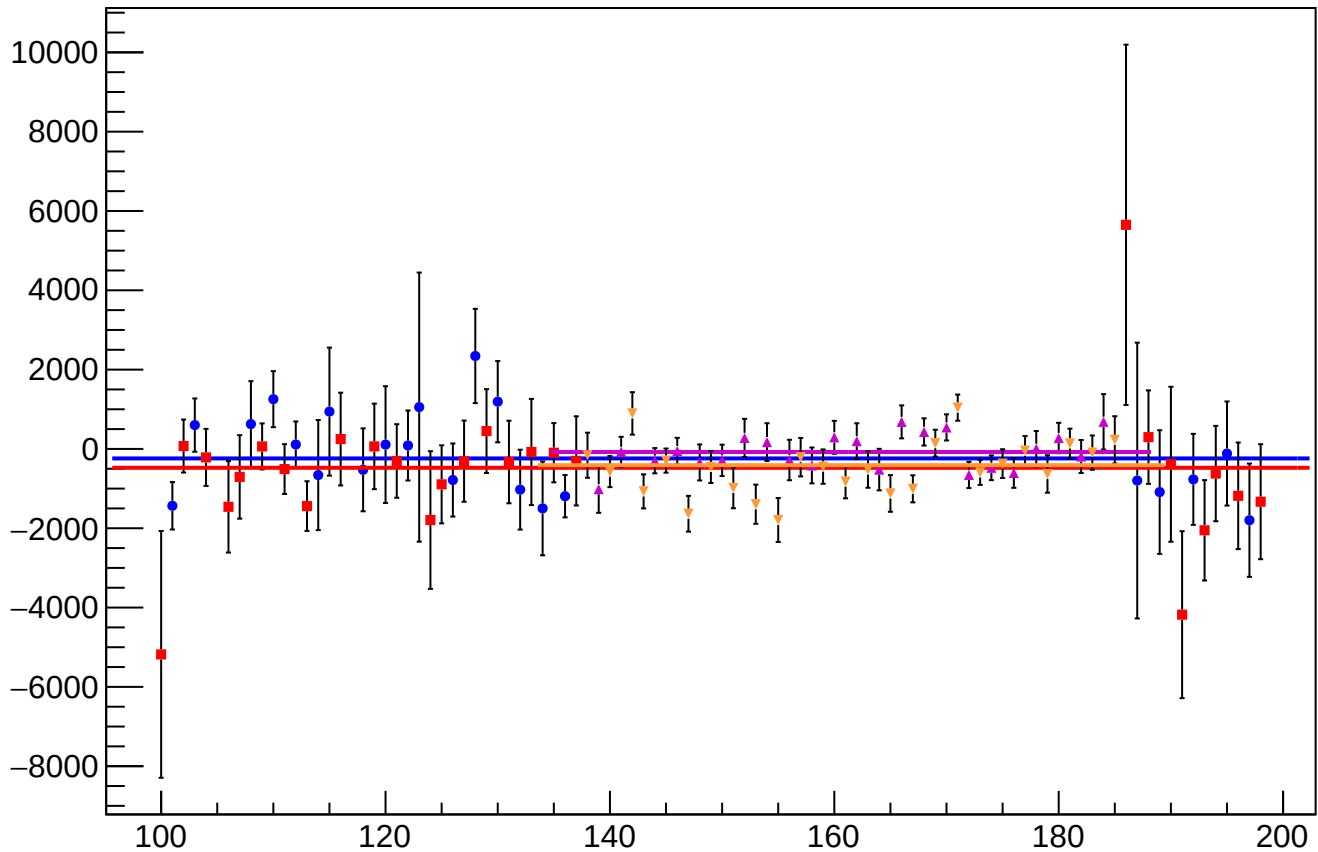
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 51.717 $\pm$ 0.007 χ^2 /NDF: 3440829.5/46

All: 52.218 $\pm$ 0.005 χ^2 /NDF: 8647678.8/96

- sign 52.730 $\pm$ 0.007 χ^2 /NDF: 5196920.7/49

asym_sam_1357_avg_correction_mean vs Slug



Right In: -239.420 ± 200.583 χ^2/NDF : 25.8/21

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -475.341 ± 190.271 χ^2/NDF : 17.3/26

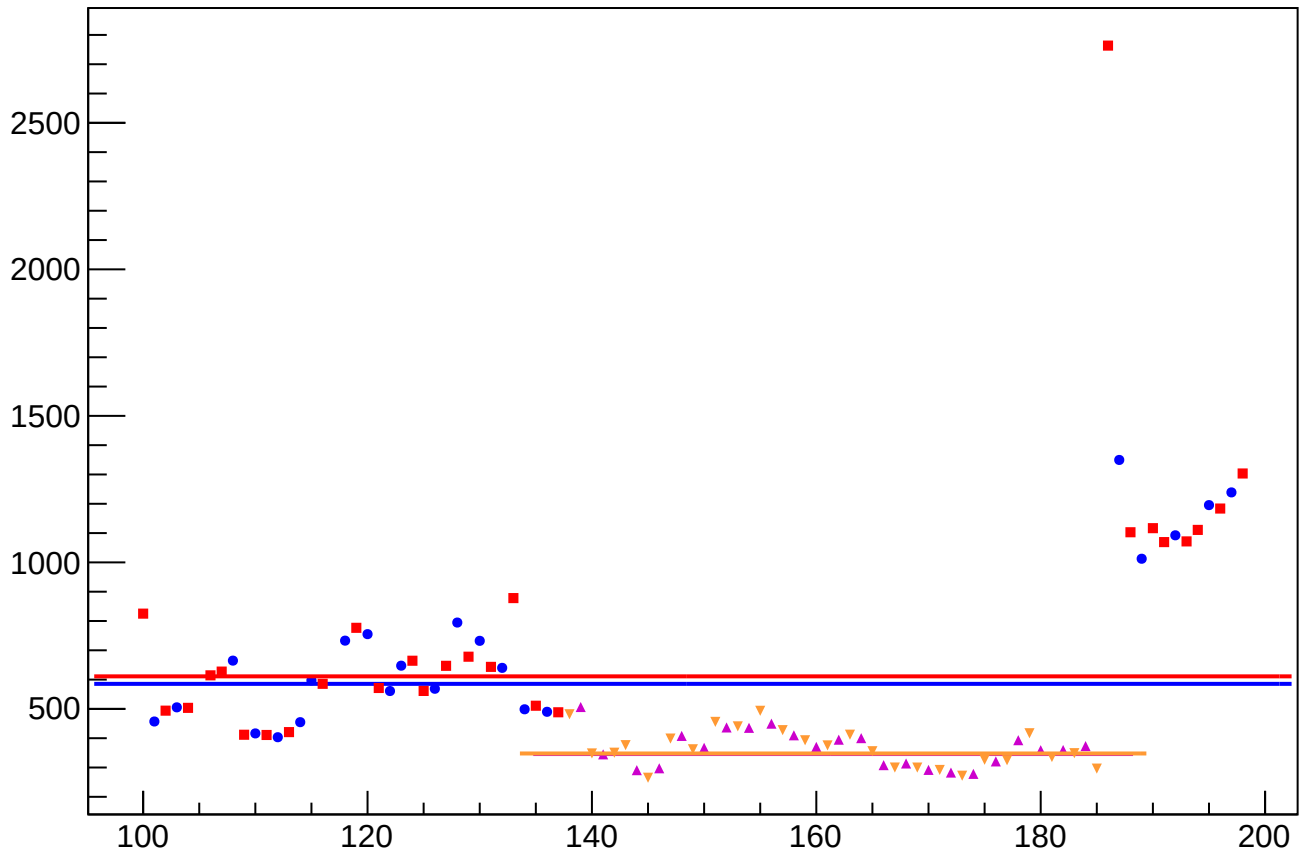
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -384.681 ± 76.178 χ^2/NDF : 88.1/46

All: -264.879 ± 54.120 χ^2/NDF : 138.8/96

- sign -142.797 ± 76.900 χ^2/NDF : 45.8/49

asym_sam_1357_avg_correction_rms vs Slug



Right In: 585.469 ± 0.142 χ^2/NDF : 2199982.3/21

Left Out: 347.875 ± 0.058 χ^2/NDF : 1044096.7/24

Right Out: 611.088 ± 0.135 χ^2/NDF : 3406262.9/26

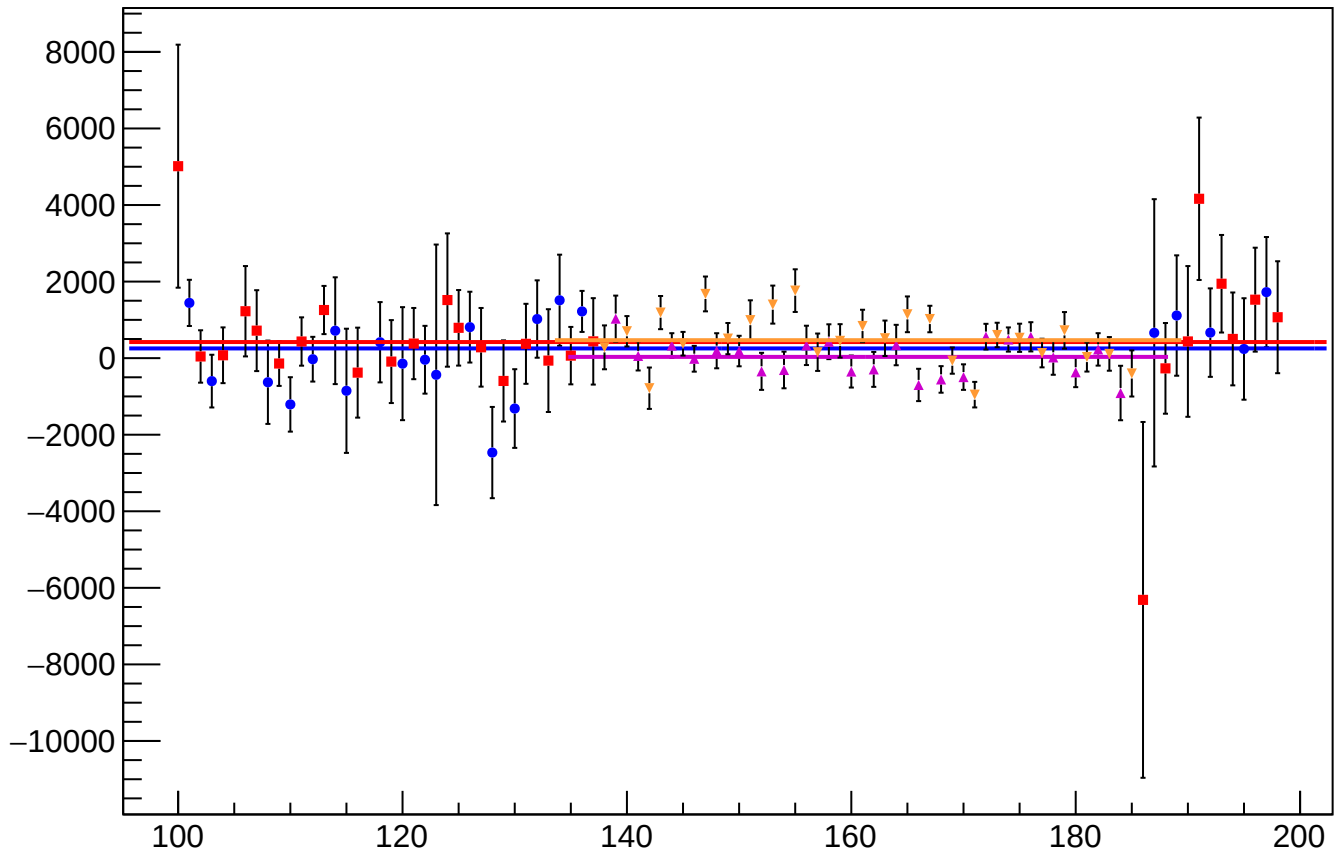
Left In: 345.954 ± 0.059 χ^2/NDF : 900847.0/22

+ sign 382.145 ± 0.054 χ^2/NDF : 5645475.0/46

All: 385.670 ± 0.038 χ^2/NDF : 13210327.6/96

- sign 389.263 ± 0.054 χ^2/NDF : 7556204.5/49

asym_sam_1357_avg_mean vs Slug



Right In: 253.636 ± 202.011 χ^2/NDF : 25.7/21

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 420.724 ± 191.751 χ^2/NDF : 16.2/26

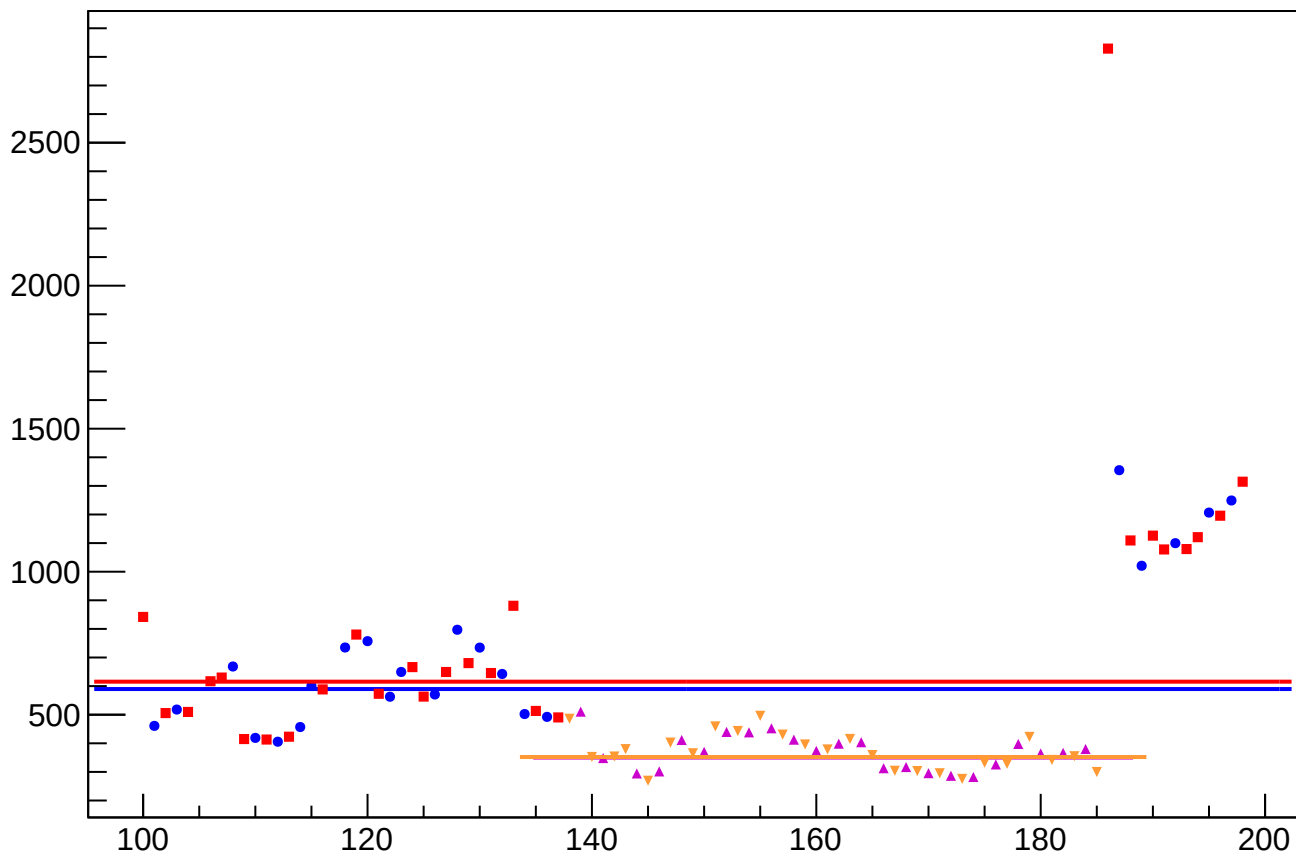
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 437.588 ± 77.006 χ^2/NDF : 84.2/46

All: 268.741 ± 54.715 χ^2/NDF : 139.2/96

- sign 96.589 ± 77.756 χ^2/NDF : 45.3/49

asym_sam_1357_avg_rms vs Slug



Right In: 589.755 ± 0.143 χ^2/NDF : 2194069.7/21

Left Out: 352.015 ± 0.059 χ^2/NDF : 1017195.6/24

Right Out: 615.547 ± 0.136 χ^2/NDF : 3407076.0/26

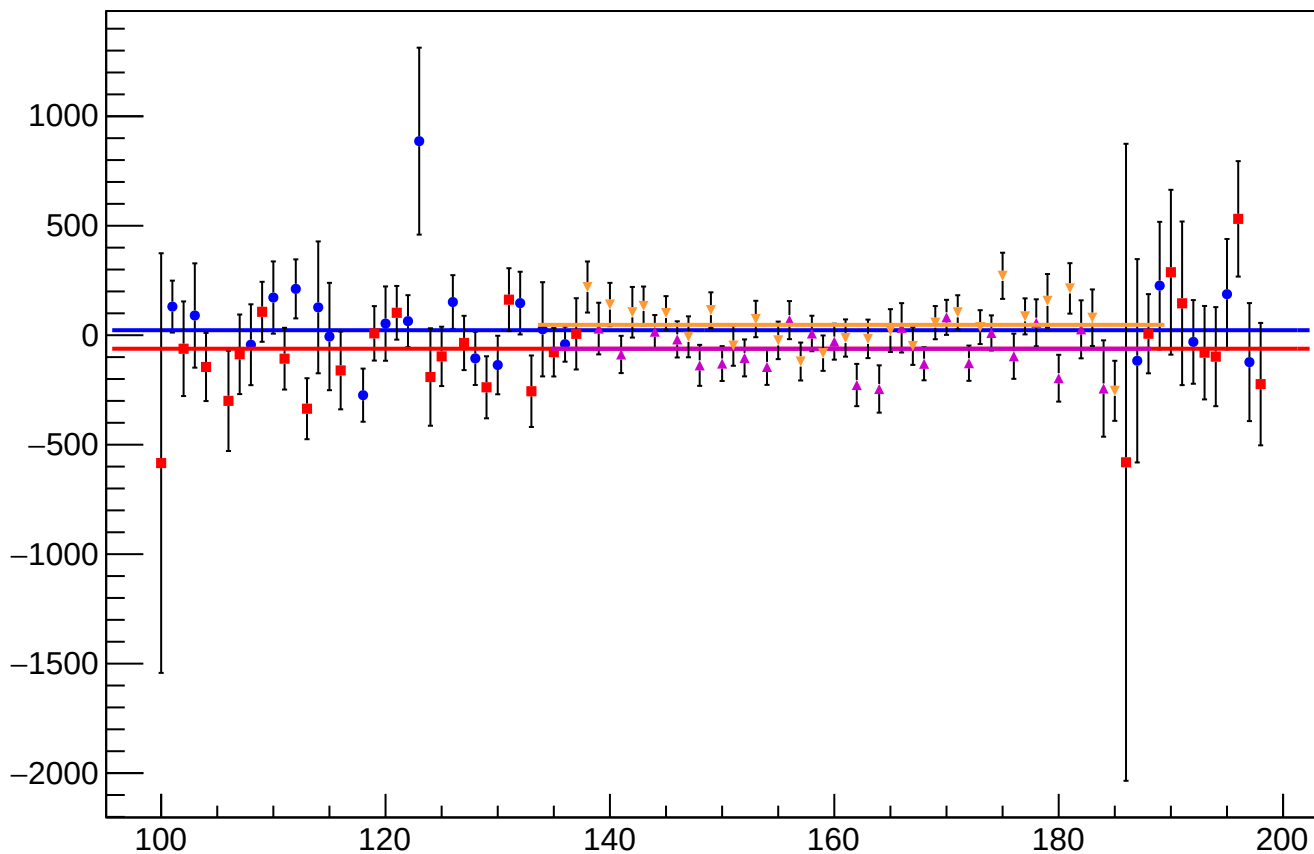
Left In: 350.160 ± 0.060 χ^2/NDF : 878380.0/22

+ sign 386.561 ± 0.054 χ^2/NDF : 5578773.0/46

All: 390.145 ± 0.039 χ^2/NDF : 13074021.1/96

- sign 393.799 ± 0.055 χ^2/NDF : 7486499.3/49

reg_asym_sam_2468_avg_mean vs Slug



Right In: 22.872 ± 33.208 χ^2/NDF : 20.6/21

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: -61.688 ± 32.622 χ^2/NDF : 22.5/26

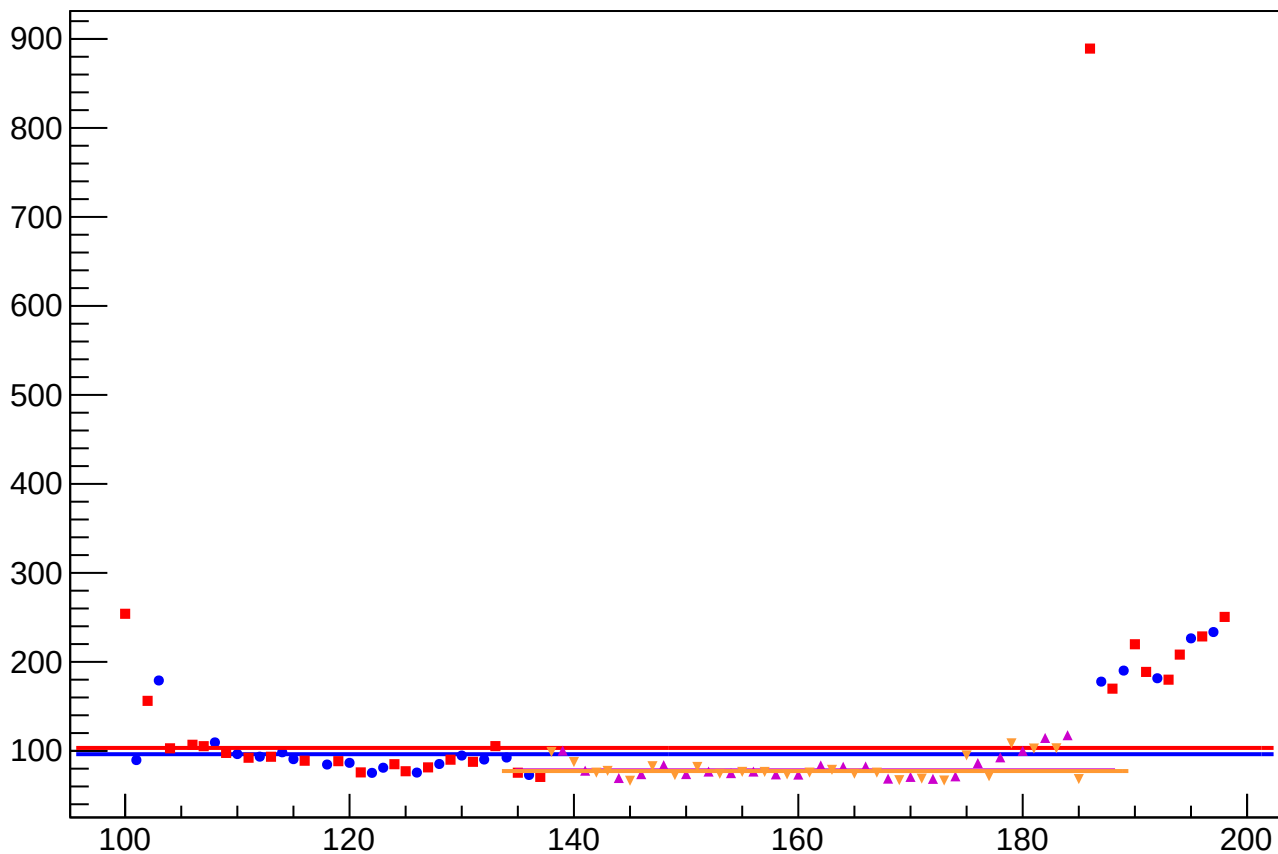
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 41.729 ± 15.996 χ^2/NDF : 50.4/46

All: -8.769 ± 11.448 χ^2/NDF : 117.3/96

- sign -61.794 ± 16.391 χ^2/NDF : 46.5/49

reg_asym_sam_2468_avg_rms vs Slug



Right In: 96.259+/-0.023 χ^2/NDF : 2318704.4/21

Left Out: 77.316+/-0.013 χ^2/NDF : 635622.3/24

Right Out: 103.310+/-0.023 χ^2/NDF : 3581431.9/26

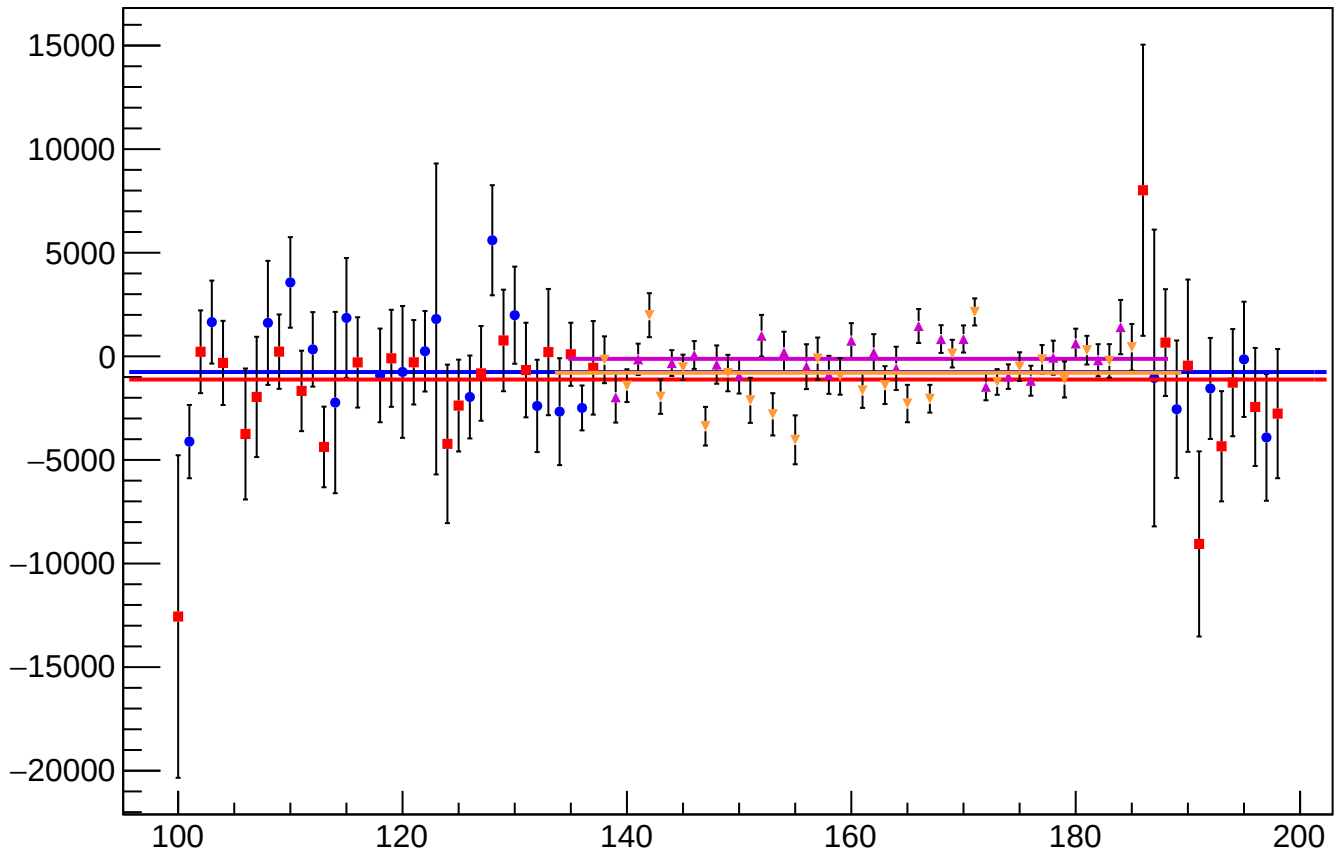
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 81.711+/-0.011 χ^2/NDF : 3454115.1/46

All: 83.068+/-0.008 χ^2/NDF : 8537321.9/96

- sign 84.493+/-0.012 χ^2/NDF : 5053694.1/49

asym_sam_2468_avg_correction_mean vs Slug



Right In: -758.108+/-485.722 χ^2/NDF : 23.9/21

Left Out: -792.776+/-162.659 χ^2/NDF : 66.6/24

Right Out: -1118.511+/-468.574 χ^2/NDF : 17.3/26

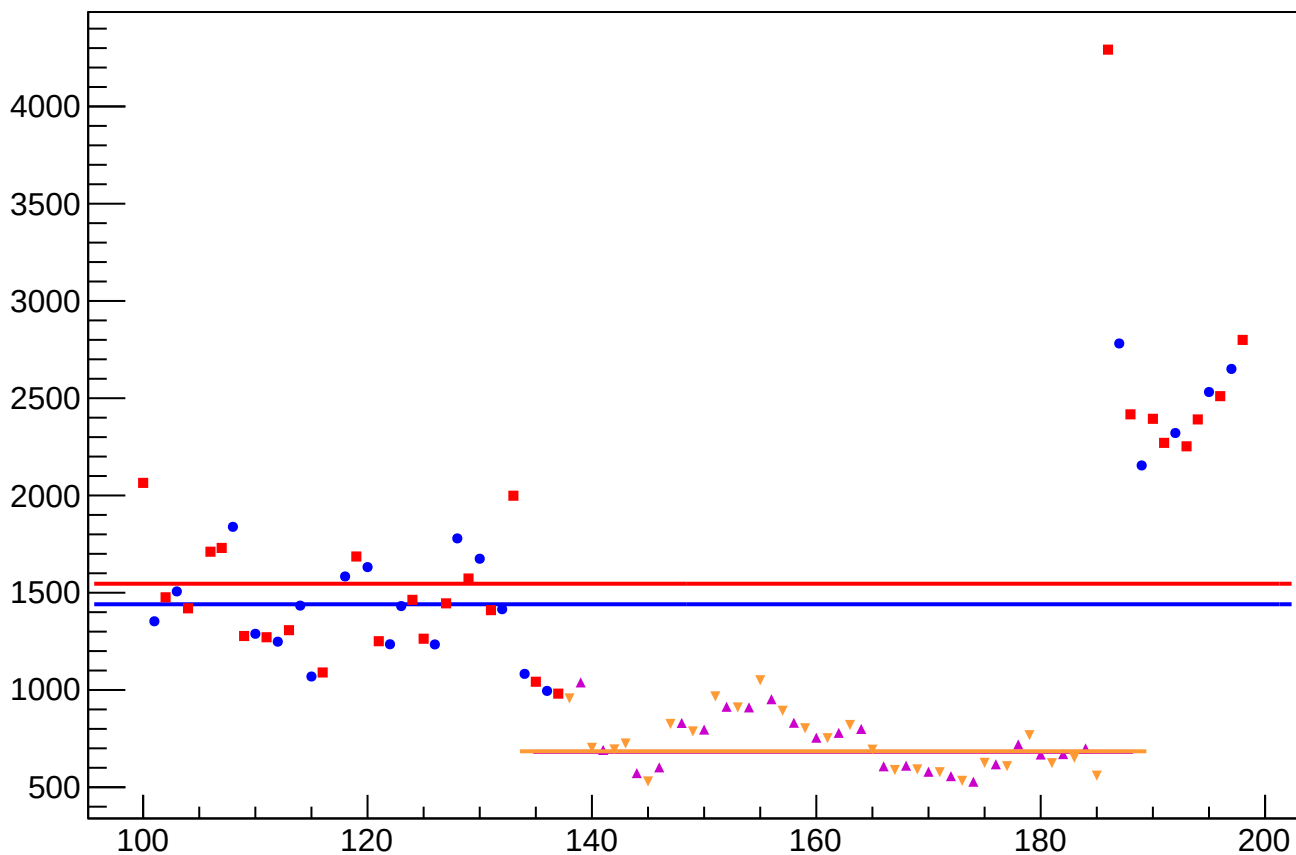
Left In: -122.198+/-166.193 χ^2/NDF : 25.9/22

+ sign -789.280+/-154.240 χ^2/NDF : 90.5/46

All: -515.681+/-109.900 χ^2/NDF : 144.2/96

- sign -233.526+/-156.633 χ^2/NDF : 47.3/49

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1440.693 $\pm$ 0.343 χ^2 /NDF: 1640339.3/21

Left Out: 684.785 $\pm$ 0.115 χ^2 /NDF: 1280146.2/24

Right Out: 1546.235 $\pm$ 0.331 χ^2 /NDF: 2293641.7/26

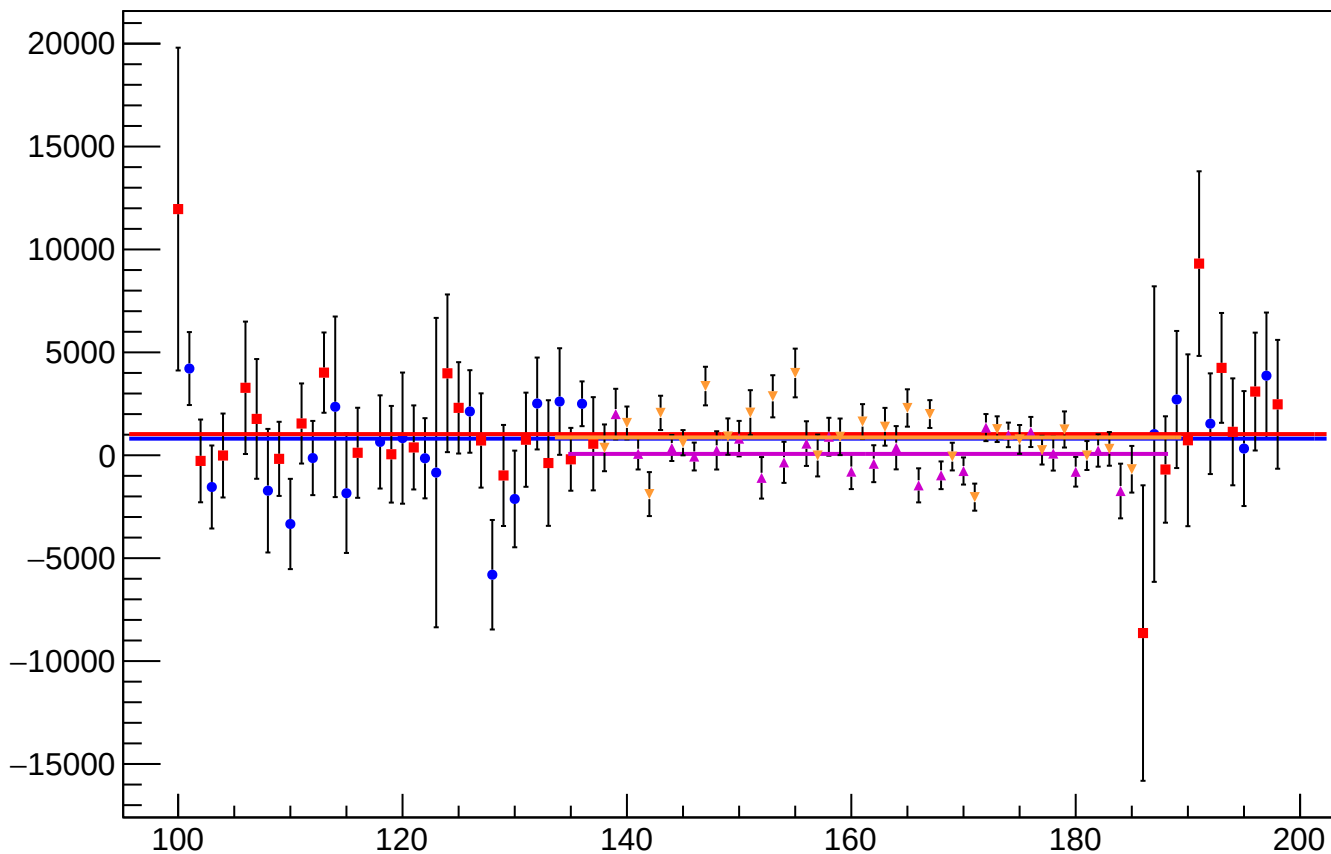
Left In: 681.712 $\pm$ 0.118 χ^2 /NDF: 1119637.0/22

+ sign 761.008 $\pm$ 0.109 χ^2 /NDF: 7275918.8/46

All: 769.528 $\pm$ 0.078 χ^2 /NDF: 16748967.0/96

- sign 778.314 $\pm$ 0.111 χ^2 /NDF: 9460652.2/49

asym_sam_2468_avg_mean vs Slug



Right In: 807.071 $\pm$ 487.160 χ^2 /NDF: 24.0/21

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF:62.8/24

Right Out: 1029.055 $\pm$ 470.207 χ^2 /NDF: 16.9/26

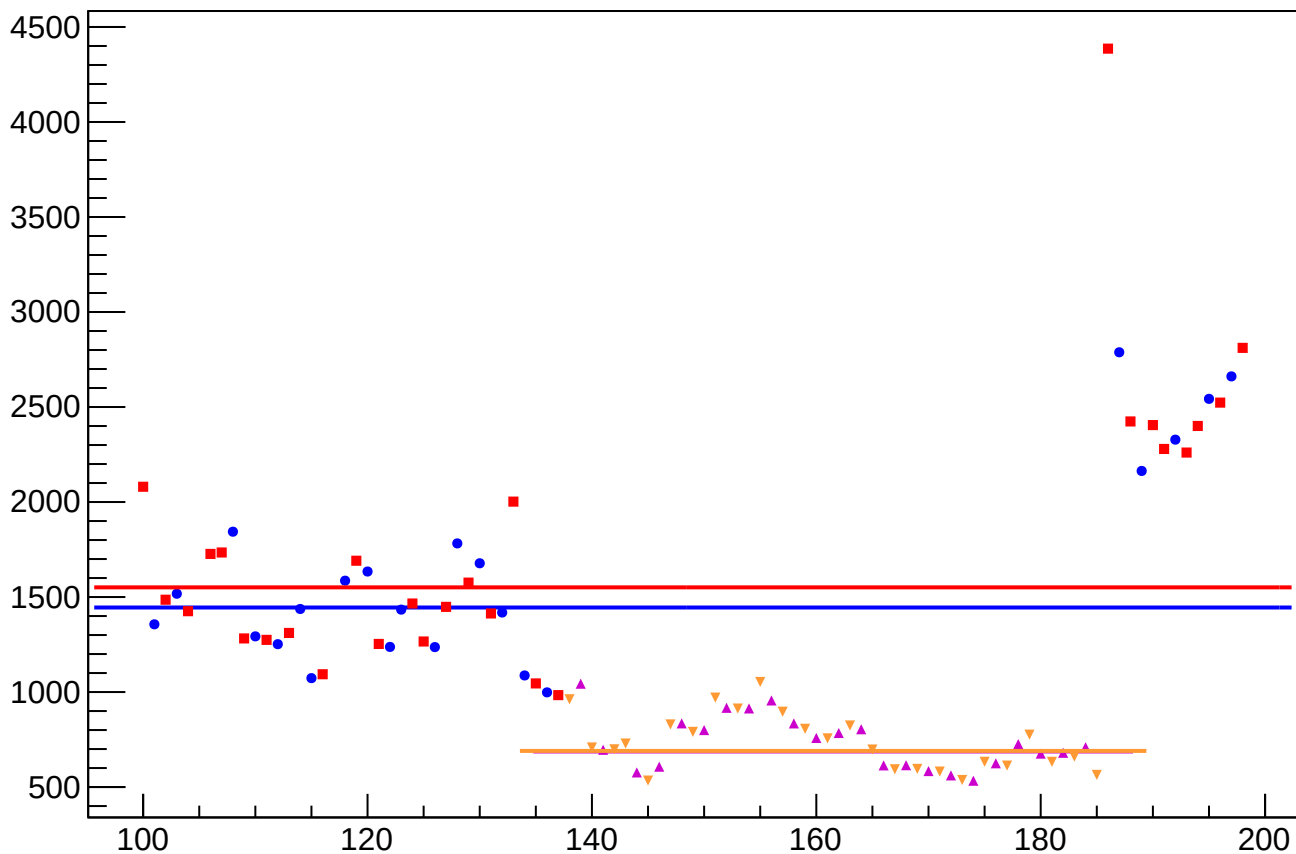
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF:26.4/22

+ sign 859.647 $\pm$ 155.331 χ^2 /NDF: 86.8/46

All: 522.352 $\pm$ 110.690 χ^2 /NDF: 143.4/96

- sign 174.362 $\pm$ 157.775 χ^2 /NDF: 47.0/49

asym_sam_2468_avg_rms vs Slug



Right In: 1444.899+/-0.344 χ^2/NDF : 1642094.8/21

Left Out: 690.166+/-0.116 χ^2/NDF : 1258158.2/24

Right Out: 1550.880+/-0.332 χ^2/NDF : 2305189.2/26

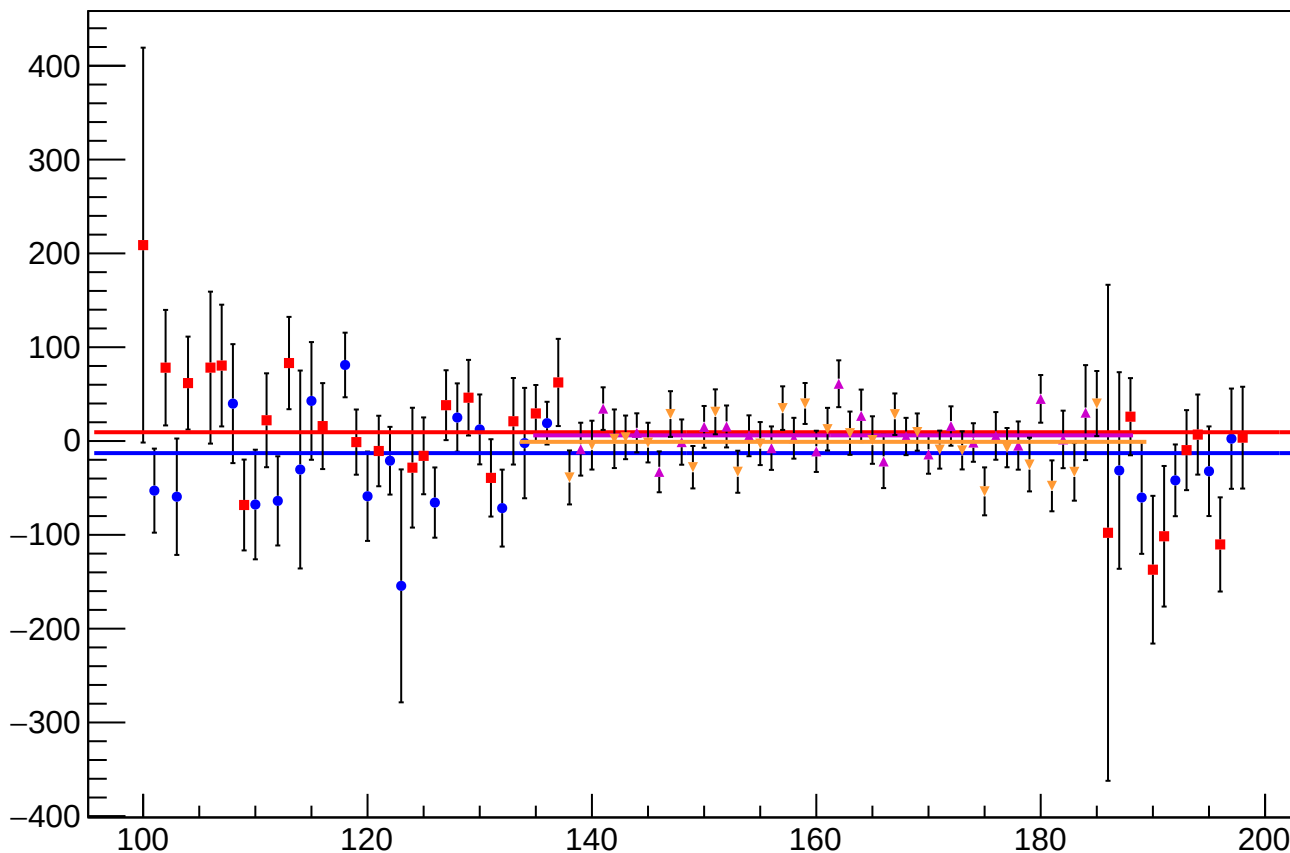
Left In: 687.216+/-0.118 χ^2/NDF : 1099706.1/22

+ sign 766.897+/-0.110 χ^2/NDF : 7212574.3/46

All: 775.539+/-0.078 χ^2/NDF : 16617829.7/96

- sign 784.455+/-0.112 χ^2/NDF : 9392677.0/49

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -12.887 ± 9.515 χ^2/NDF : 23.7/21

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 9.379 ± 9.166 χ^2/NDF : 27.7/26

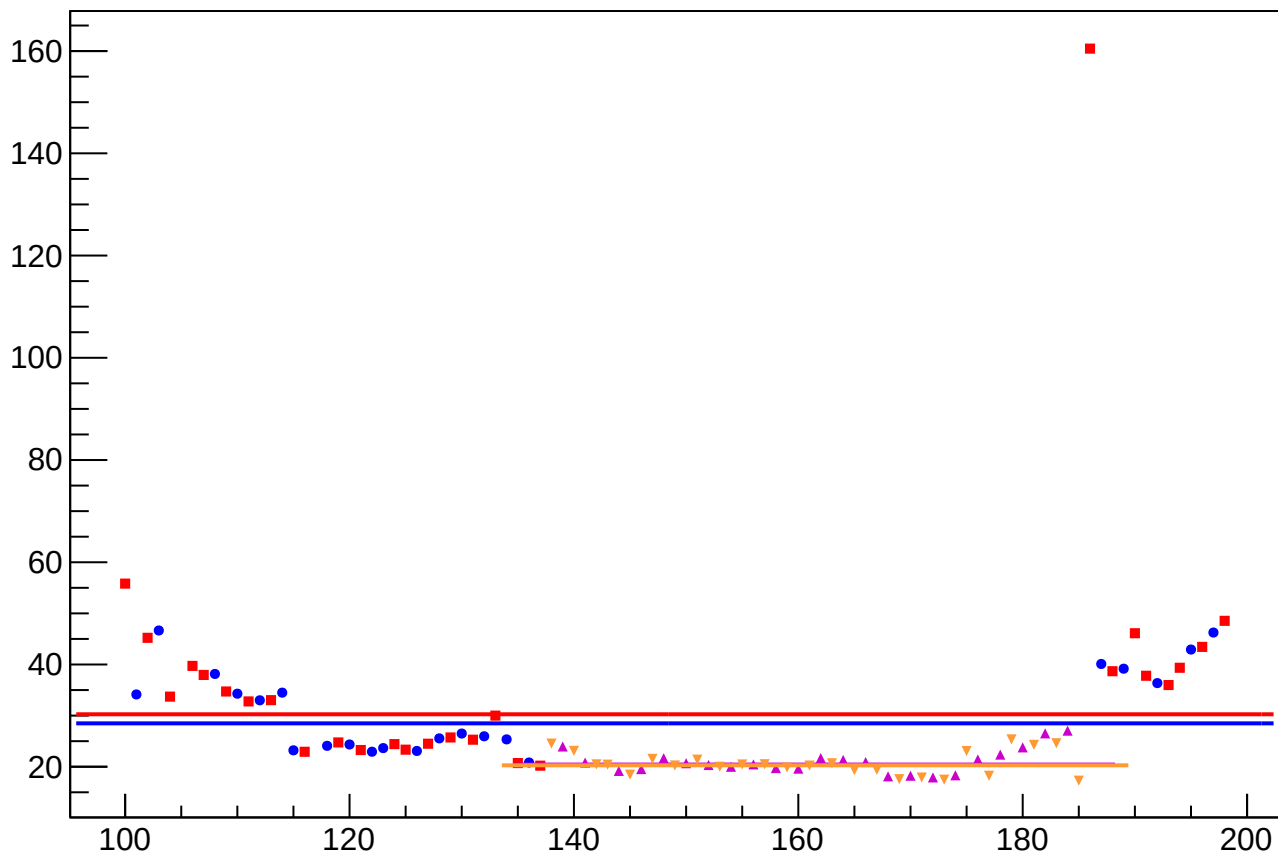
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.269 ± 4.257 χ^2/NDF : 52.9/46

All: 1.665 ± 3.039 χ^2/NDF : 100.3/96

- sign 6.790 ± 4.339 χ^2/NDF : 44.7/49

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.485+/-0.007 χ^2 /NDF: 1282782.3/21

Left Out: 20.279+/-0.003 χ^2 /NDF: 407056.4/24

Right Out: 30.259+/-0.006 χ^2 /NDF: 2042253.2/26

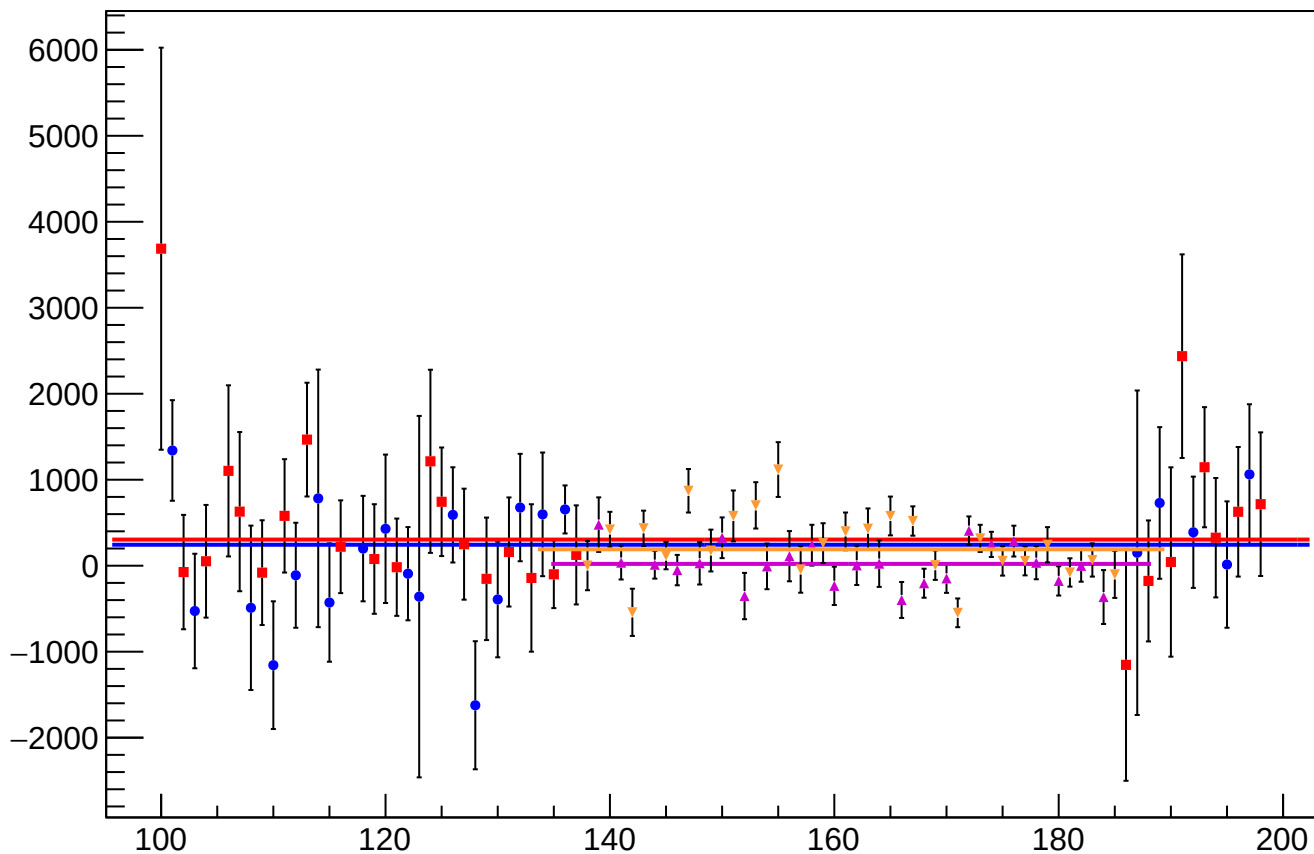
Left In: 20.424+/-0.003 χ^2 /NDF: 323427.4/22

+ sign 21.922+/-0.003 χ^2 /NDF: 2879542.7/46

All: 22.268+/-0.002 χ^2 /NDF: 7059033.8/96

- sign 22.627+/-0.003 χ^2 /NDF: 4152557.8/49

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 243.980 $\pm$ 137.566 χ^2 /NDF: 22.9/21

Left Out: 190.867 $\pm$ 41.314 χ^2 /NDF: 67.9/24

Right Out: 303.861 $\pm$ 133.921 χ^2 /NDF: 17.4/26

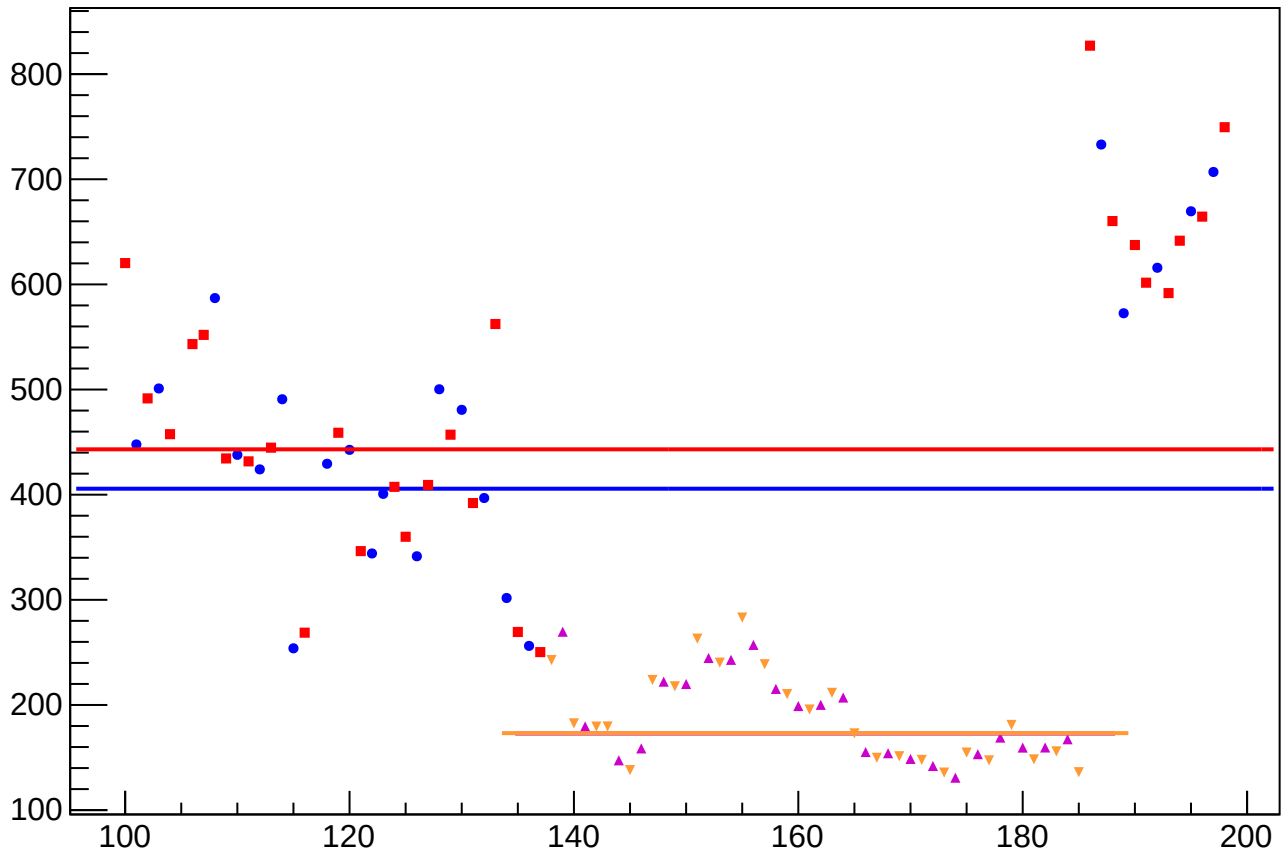
Left In: 20.998 $\pm$ 42.291 χ^2 /NDF: 27.7/22

+ sign 195.261 $\pm$ 39.568 χ^2 /NDF: 90.9/46

All: 122.368 $\pm$ 28.244 χ^2 /NDF: 147.0/96

- sign 46.648 $\pm$ 40.328 χ^2 /NDF: 49.2/49

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 405.692 $\pm$ 0.097 χ^2 /NDF: 1837136.5/21

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF:1561250.6/24

Right Out: 443.142 $\pm$ 0.095 χ^2 /NDF: 2195581.4/26

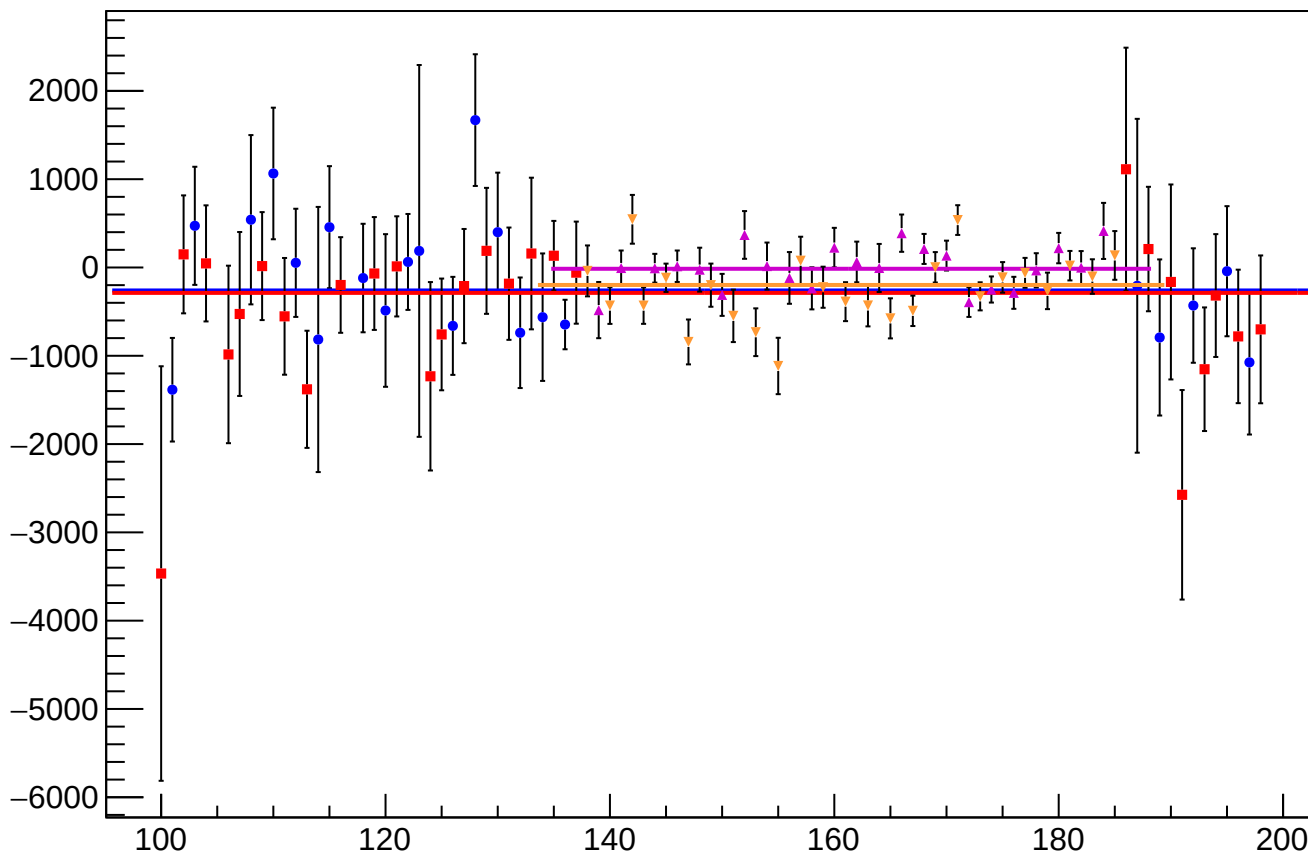
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF:1372131.7/22

+ sign 192.443 $\pm$ 0.028 χ^2 /NDF: 8637842.5/46

All: 194.845 $\pm$ 0.020 χ^2 /NDF: 19630103.1/96

- sign 197.340 $\pm$ 0.029 χ^2 /NDF: 10977238.1/49

asym_sam_1357_2468_dd_mean vs Slug



Right In: -260.202 ± 137.952 χ^2/NDF : 23.1/21

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -287.488 ± 134.324 χ^2/NDF : 17.4/26

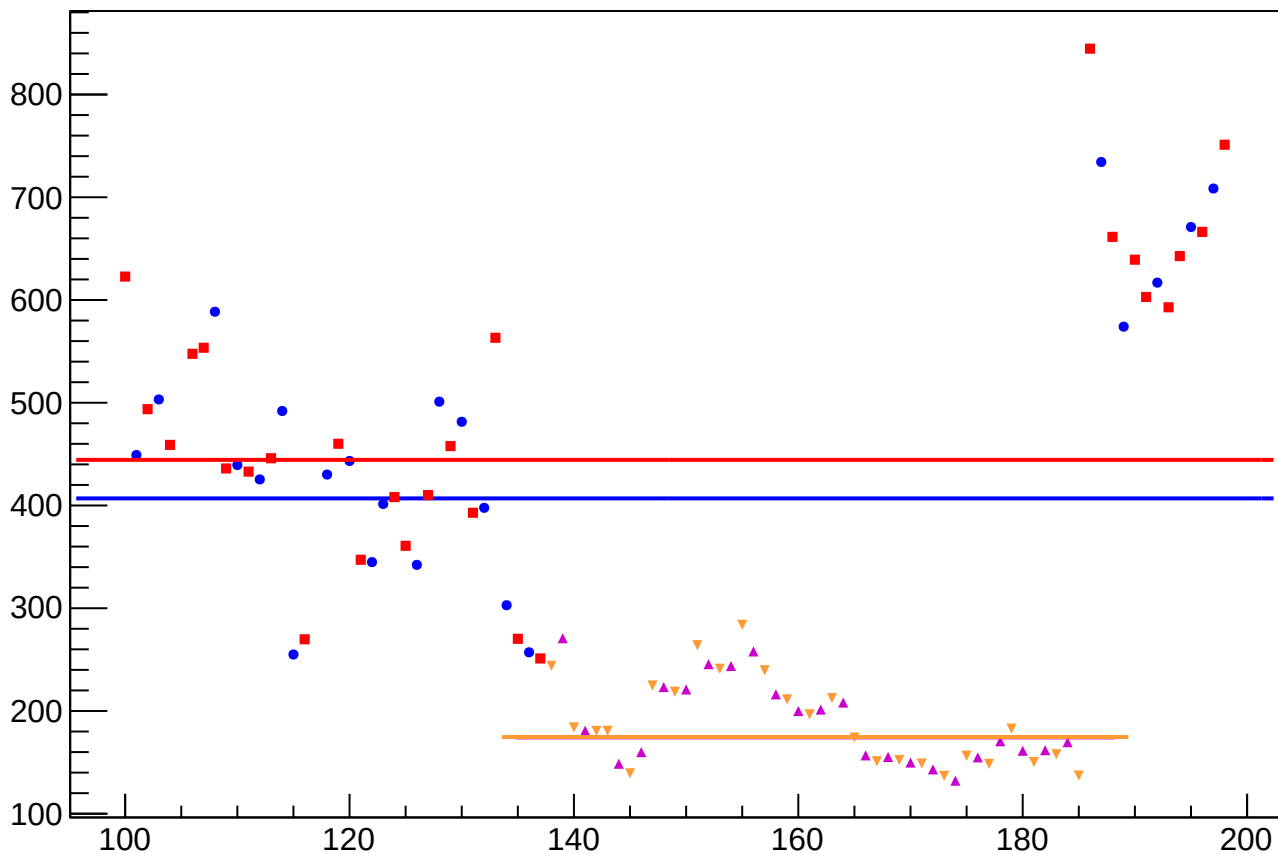
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -203.118 ± 39.862 χ^2/NDF : 87.5/46

All: -122.916 ± 28.455 χ^2/NDF : 144.7/96

- sign -39.584 ± 40.632 χ^2/NDF : 48.9/49

asym_sam_1357_2468_dd_rms vs Slug



Right In: 406.900 $\pm$ 0.098 χ^2 /NDF: 1831910.5/21

Left Out: 174.648 $\pm$ 0.029 χ^2 /NDF: 1531999.5/24

Right Out: 444.419 $\pm$ 0.095 χ^2 /NDF: 2199588.7/26

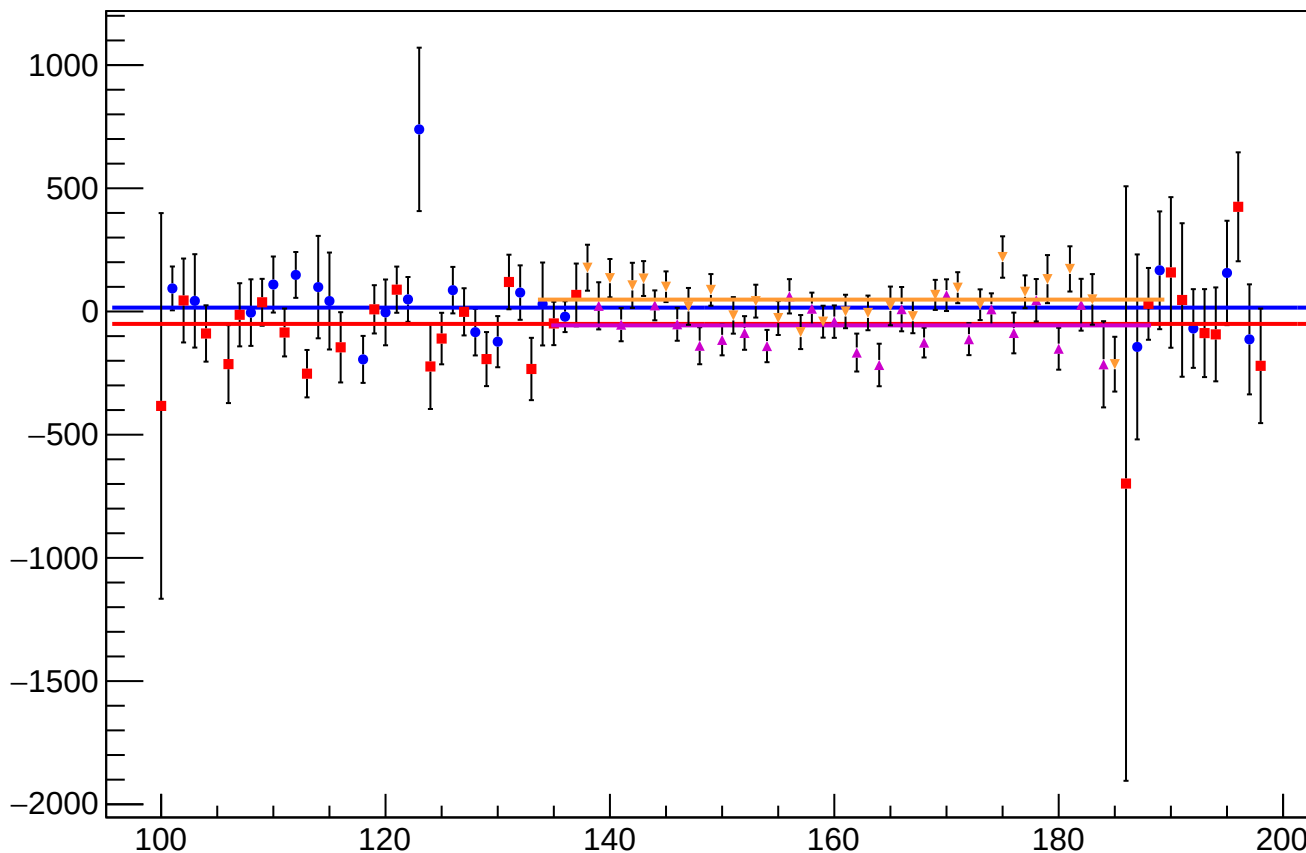
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF: 1344779.5/22

+ sign 194.040 $\pm$ 0.028 χ^2 /NDF: 8559393.2/46

All: 196.475 $\pm$ 0.020 χ^2 /NDF: 19467360.2/96

- sign 199.006 $\pm$ 0.029 χ^2 /NDF: 10892743.9/49

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 15.692 ± 25.453 χ^2/NDF : 19.2/21

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: -50.391 ± 24.815 χ^2/NDF : 25.1/26

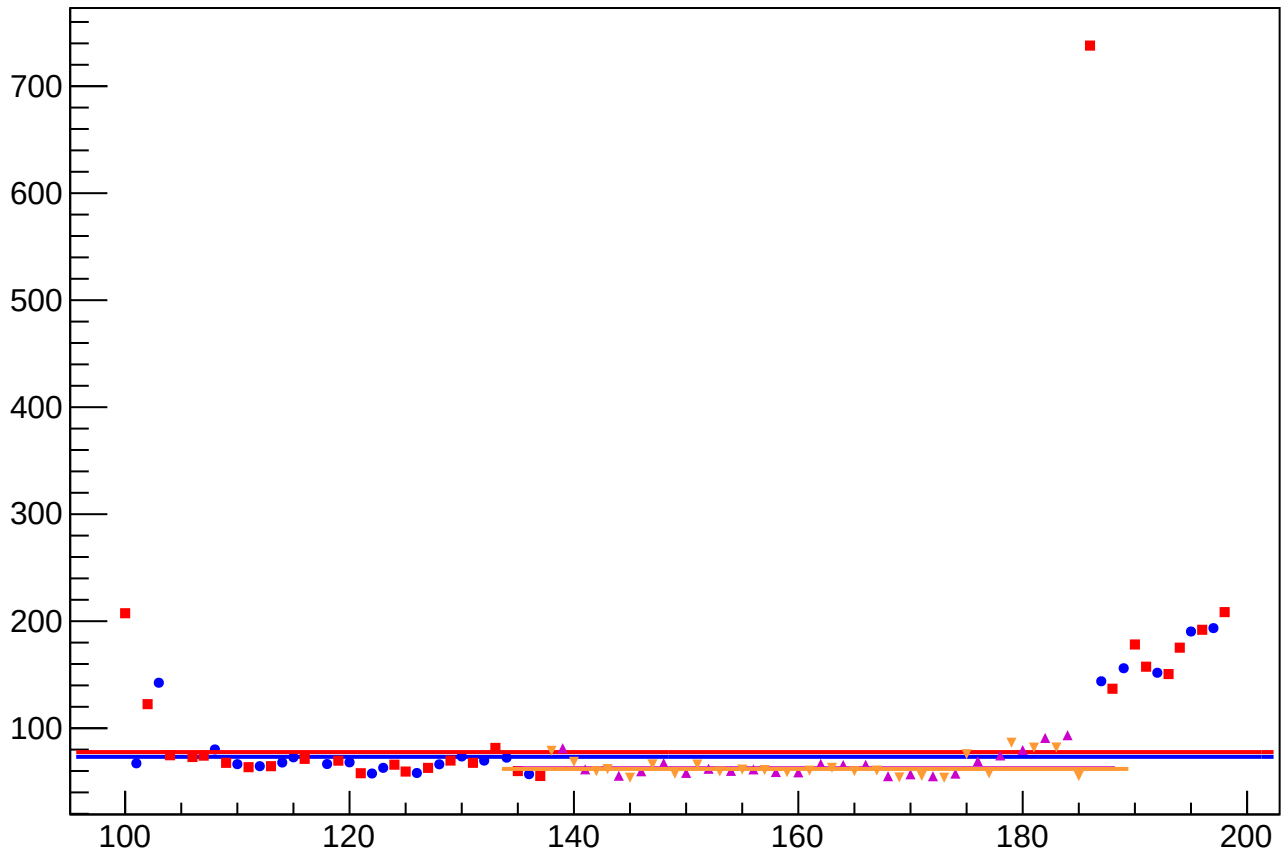
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 40.164 ± 12.675 χ^2/NDF : 49.7/46

All: -6.279 ± 9.058 χ^2/NDF : 129.8/96

- sign -54.766 ± 12.951 χ^2/NDF : 52.6/49

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 73.248 $\pm$ 0.018 χ^2 /NDF: 2567245.1/21

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 77.699 $\pm$ 0.018 χ^2 /NDF: 3997813.6/26

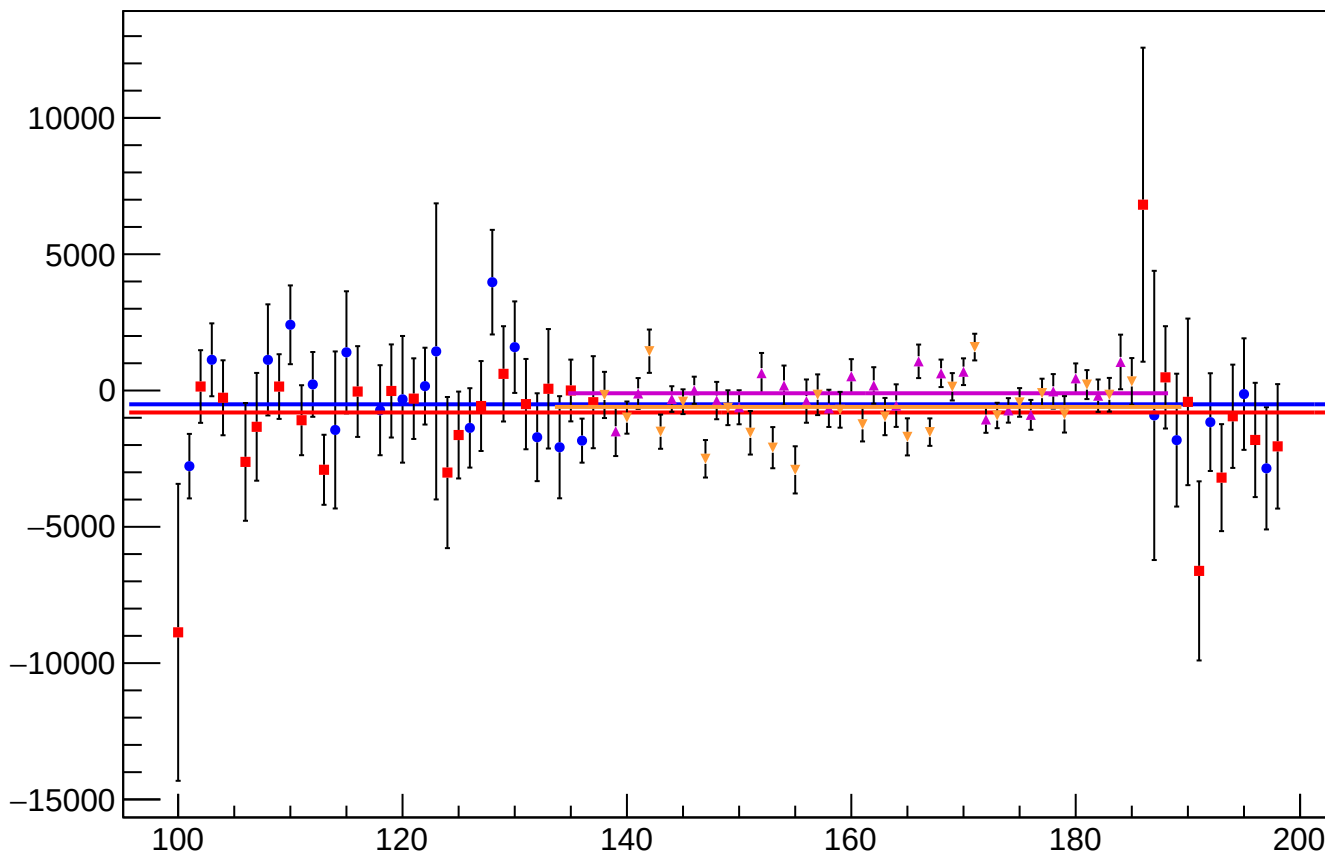
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 64.749 $\pm$ 0.009 χ^2 /NDF: 3468747.9/46

All: 65.712 $\pm$ 0.006 χ^2 /NDF: 8603929.3/96

- sign 66.717 $\pm$ 0.009 χ^2 /NDF: 5111576.1/49

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -505.875 $\pm$ 345.744 χ^2 /NDF: 24.4/21

Left Out: -601.486 $\pm$ 122.119 χ^2 /NDF:65.4/24

Right Out: -805.748 $\pm$ 331.978 χ^2 /NDF: 17.3/26

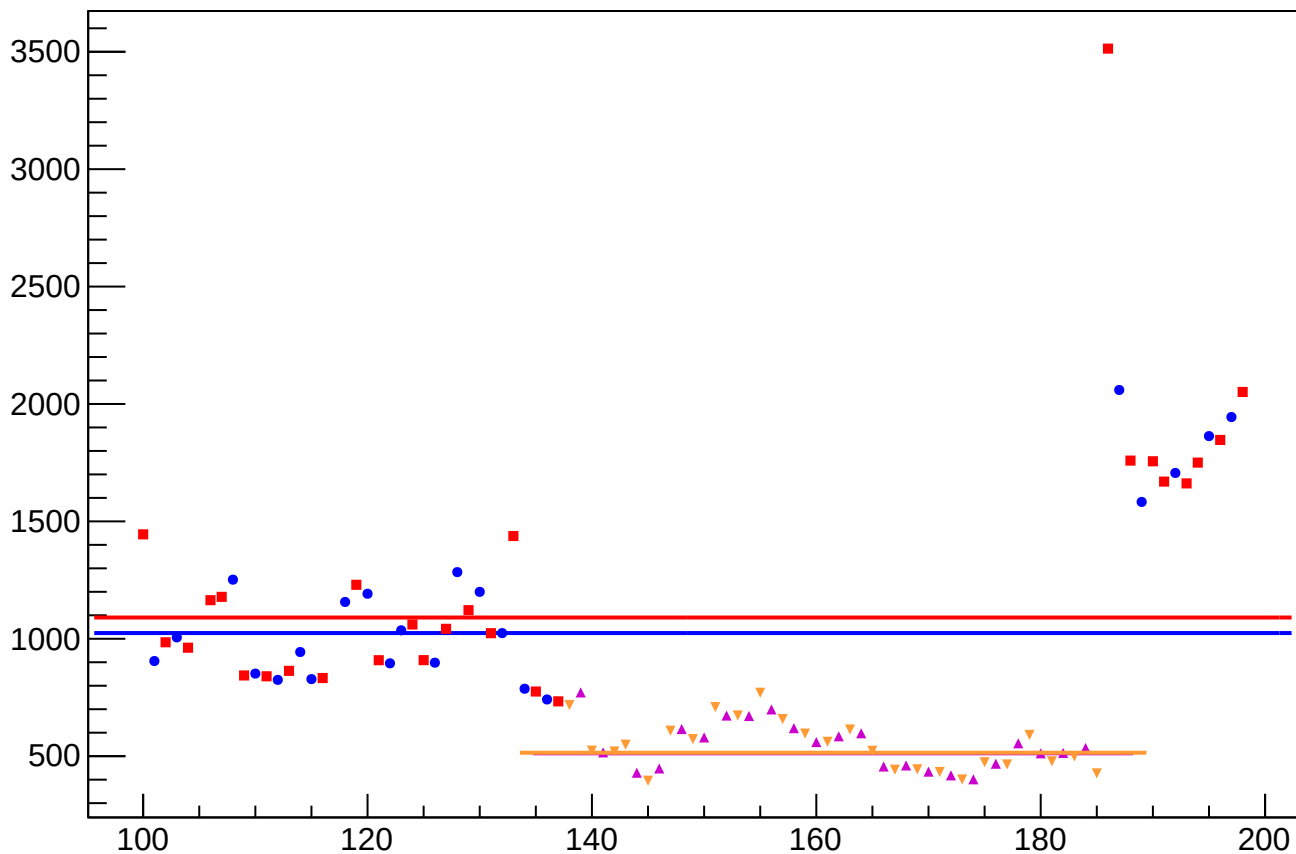
Left In: -100.548 $\pm$ 124.725 χ^2 /NDF:25.5/22

+ sign -590.881 $\pm$ 115.147 χ^2 /NDF: 89.8/46

All: -392.126 $\pm$ 81.984 χ^2 /NDF: 142.5/96

- sign -187.776 $\pm$ 116.756 χ^2 /NDF: 46.7/49

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1024.341 $\pm$ 0.244 χ^2 /NDF: 1681782.1/21

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 1090.566 $\pm$ 0.235 χ^2 /NDF: 2478613.2/26

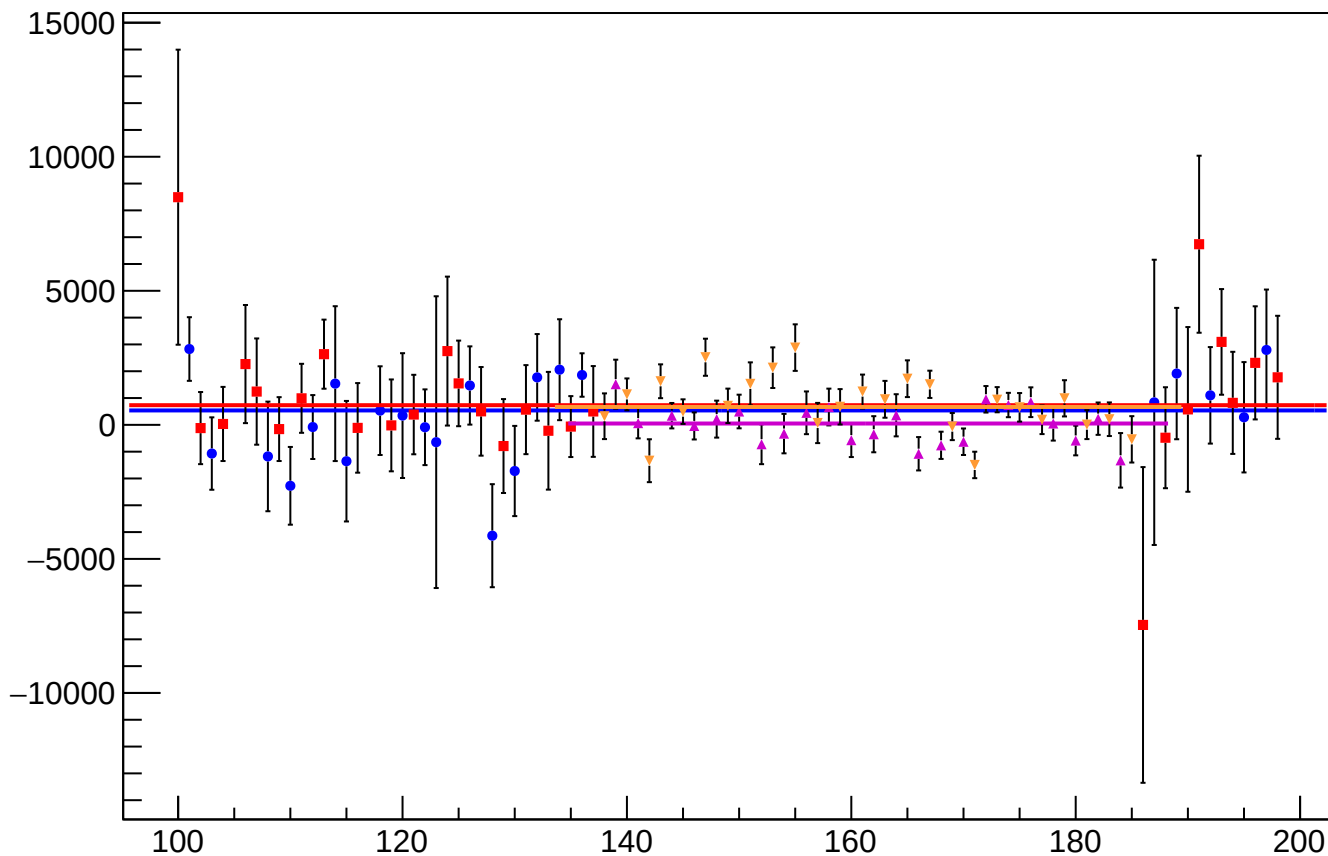
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 571.279 $\pm$ 0.081 χ^2 /NDF: 6739448.8/46

All: 577.422 $\pm$ 0.058 χ^2 /NDF: 15590464.3/96

- sign 583.739 $\pm$ 0.083 χ^2 /NDF: 8839468.9/49

asym_sam_12345678_avg_mean vs Slug



Right In: 537.718 $\pm$ 346.980 χ^2 /NDF: 24.4/21

Left Out: 667.625 $\pm$ 123.146 χ^2 /NDF:61.5/24

Right Out: 733.294 $\pm$ 333.369 χ^2 /NDF: 16.6/26

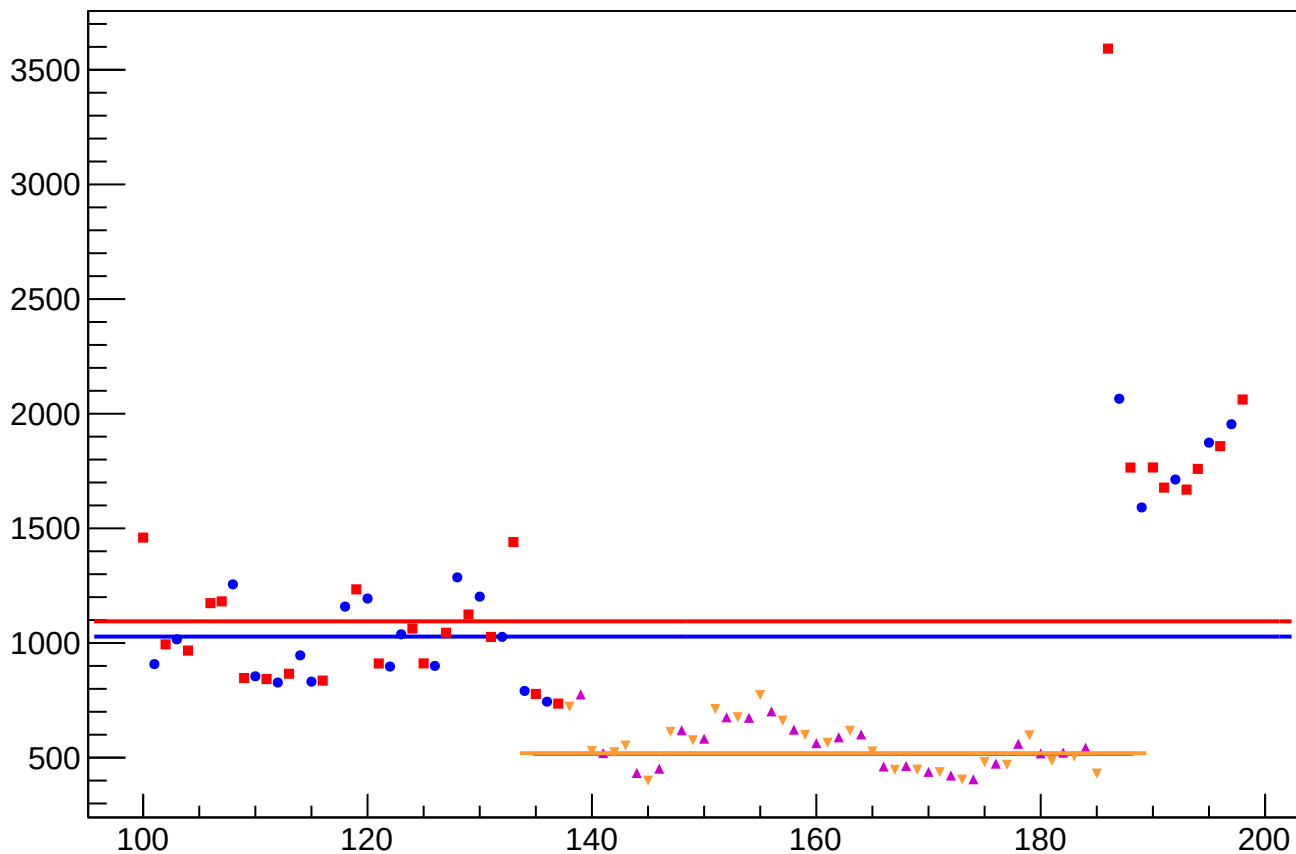
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF:26.1/22

+ sign 653.092 $\pm$ 116.053 χ^2 /NDF: 86.0/46

All: 397.823 $\pm$ 82.639 χ^2 /NDF: 142.2/96

- sign 135.247 $\pm$ 117.703 χ^2 /NDF: 46.4/49

asym_sam_12345678_avg_rms vs Slug



Right In: 1027.920+/-0.245 χ^2/NDF : 1684972.7/21

Left Out: 519.254+/-0.087 χ^2/NDF : 1172411.1/24

Right Out: 1094.492+/-0.236 χ^2/NDF : 2491338.2/26

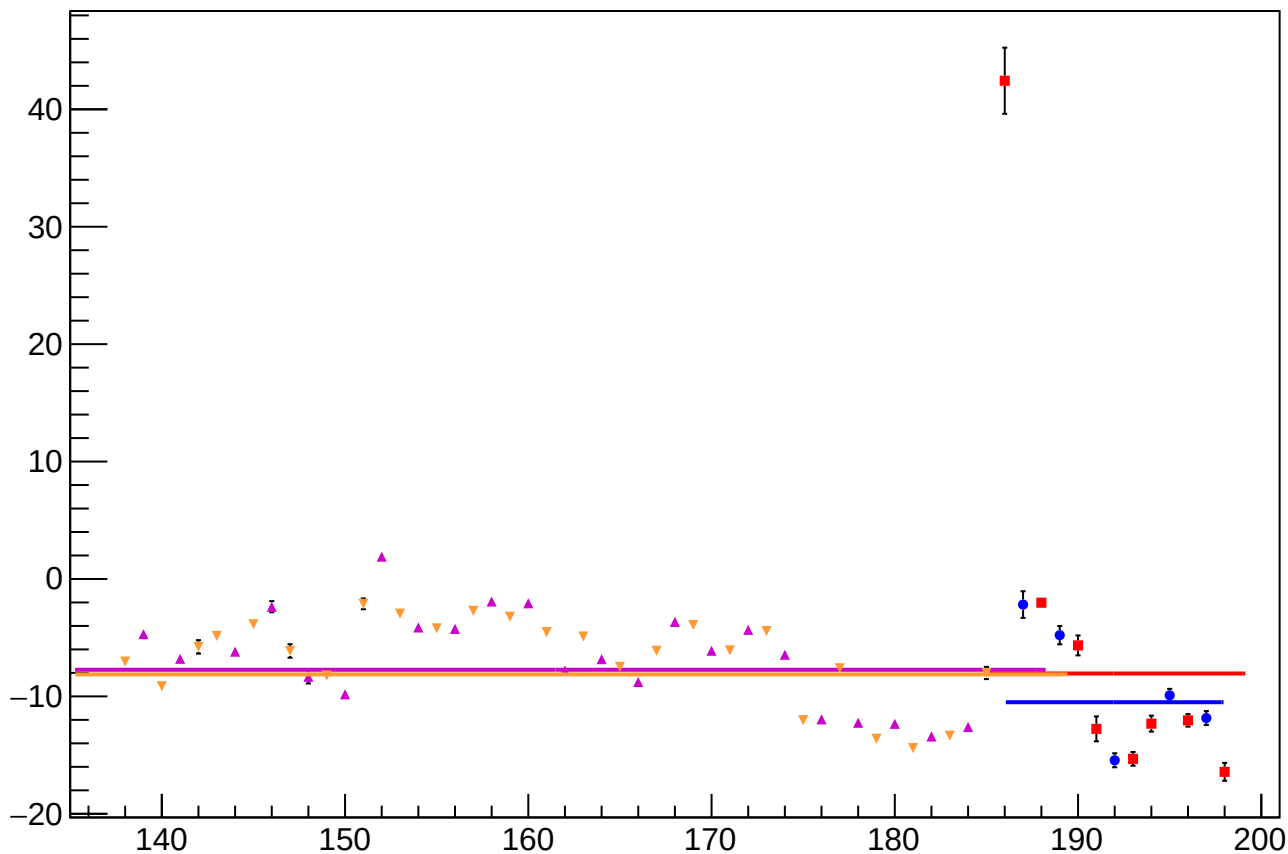
Left In: 516.792+/-0.089 χ^2/NDF : 1021374.1/22

+ sign 576.157+/-0.082 χ^2/NDF : 6674752.6/46

All: 582.393+/-0.058 χ^2/NDF : 15456467.7/96

- sign 588.807+/-0.083 χ^2/NDF : 8770002.0/49

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -10.497 ± 0.297 $\chi^2/\text{NDF}: 181.9/4$

Left Out: -8.127 ± 0.067 $\chi^2/\text{NDF}: 3635.5/24$

Right Out: -8.051 ± 0.215 $\chi^2/\text{NDF}: 1041.6/7$

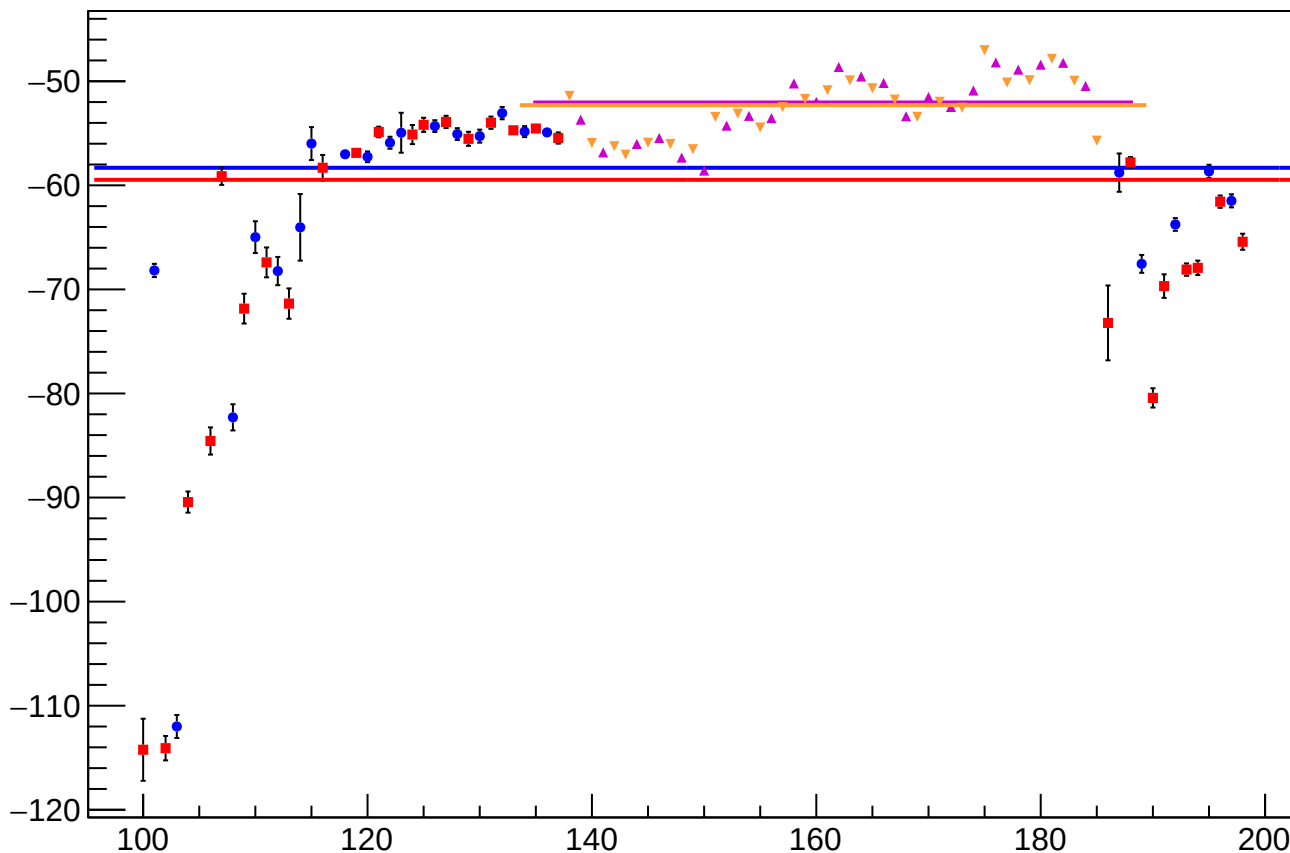
Left In: -7.732 ± 0.069 $\chi^2/\text{NDF}: 3719.0/22$

+ sign -8.244 ± 0.066 $\chi^2/\text{NDF}: 3878.0/29$

All: -8.002 ± 0.046 $\chi^2/\text{NDF}: 8667.6/60$

- sign -7.762 ± 0.066 $\chi^2/\text{NDF}: 4762.6/30$

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.314 ± 0.131 χ^2/NDF : 3705.5/21

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -59.468 ± 0.125 χ^2/NDF : 5899.2/26

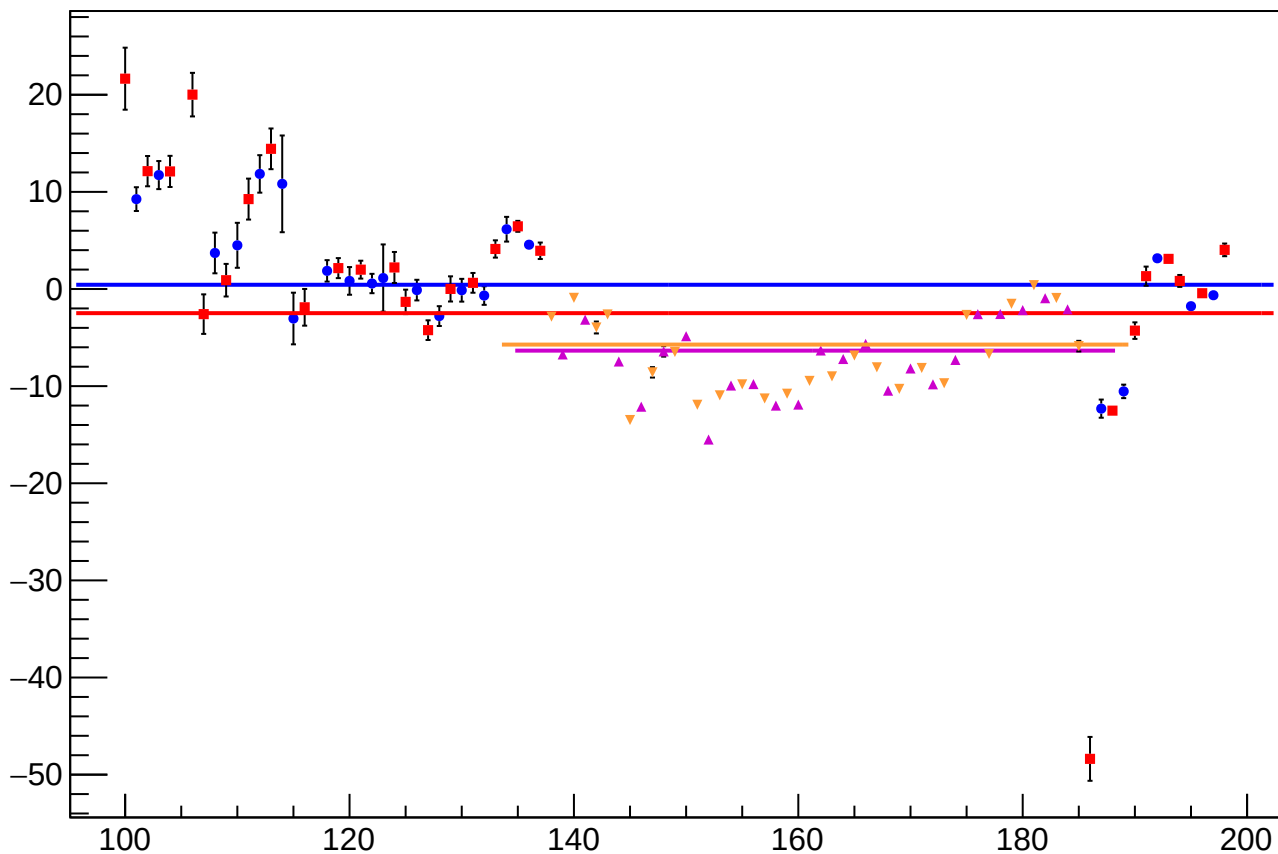
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.198 ± 0.051 χ^2/NDF : 8151.6/46

All: -53.261 ± 0.036 χ^2/NDF : 20164.7/96

- sign -53.326 ± 0.052 χ^2/NDF : 12010.0/49

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 0.437 ± 0.182 χ^2/NDF : 787.1/21

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -2.486 ± 0.151 χ^2/NDF : 2923.6/26

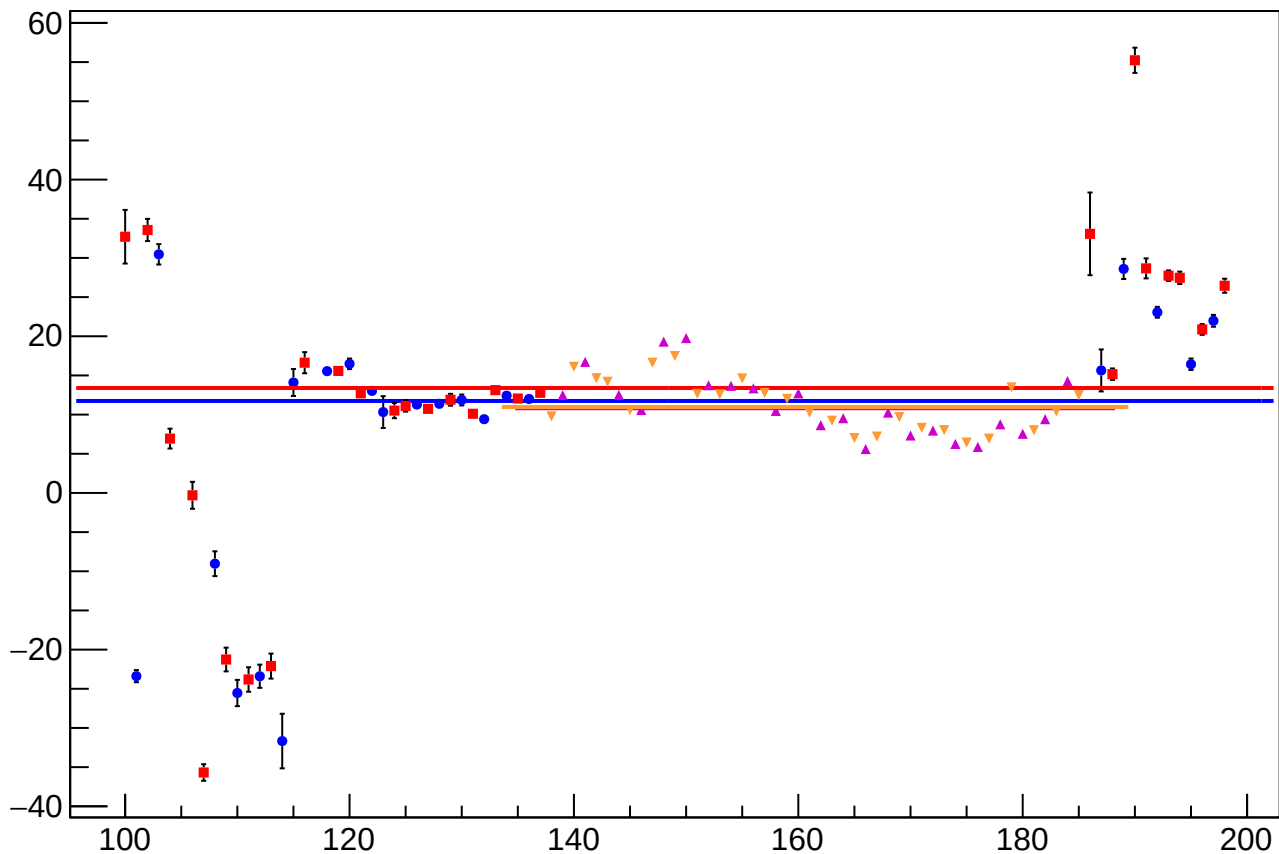
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.974 ± 0.063 χ^2/NDF : 5778.9/46

All: -5.334 ± 0.044 χ^2/NDF : 12690.4/96

- sign -5.684 ± 0.062 χ^2/NDF : 6847.7/49

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 11.742 ± 0.147 χ^2/NDF : 4438.9/21

Left Out: 10.967 ± 0.061 χ^2/NDF : 2637.7/24

Right Out: 13.399 ± 0.143 χ^2/NDF : 6110.2/26

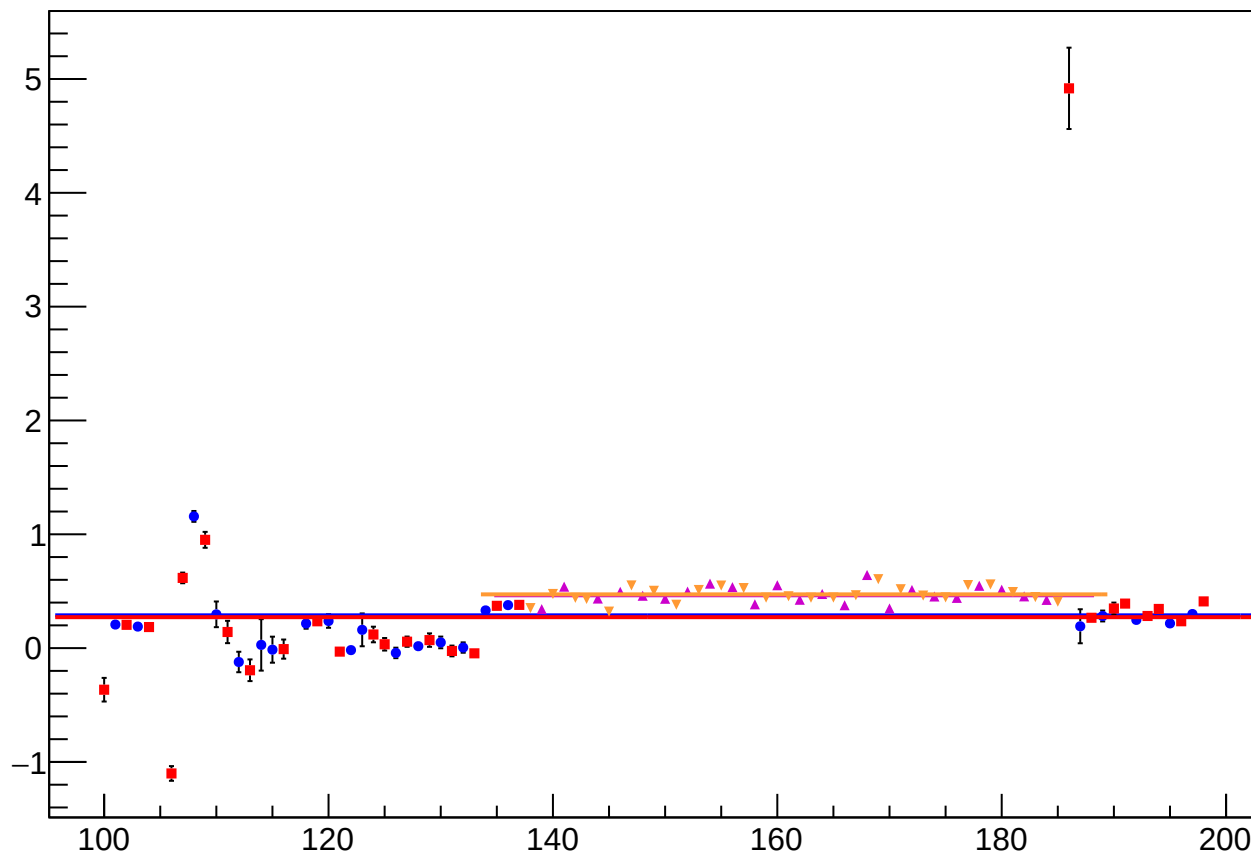
Left In: 10.813 ± 0.063 χ^2/NDF : 3546.8/22

+ sign 11.083 ± 0.057 χ^2/NDF : 7100.3/46

All: 11.158 ± 0.040 χ^2/NDF : 17035.0/96

- sign 11.236 ± 0.058 χ^2/NDF : 9931.1/49

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.288 ± 0.007 χ^2/NDF : 665.3/21

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.272 ± 0.007 χ^2/NDF : 1219.3/26

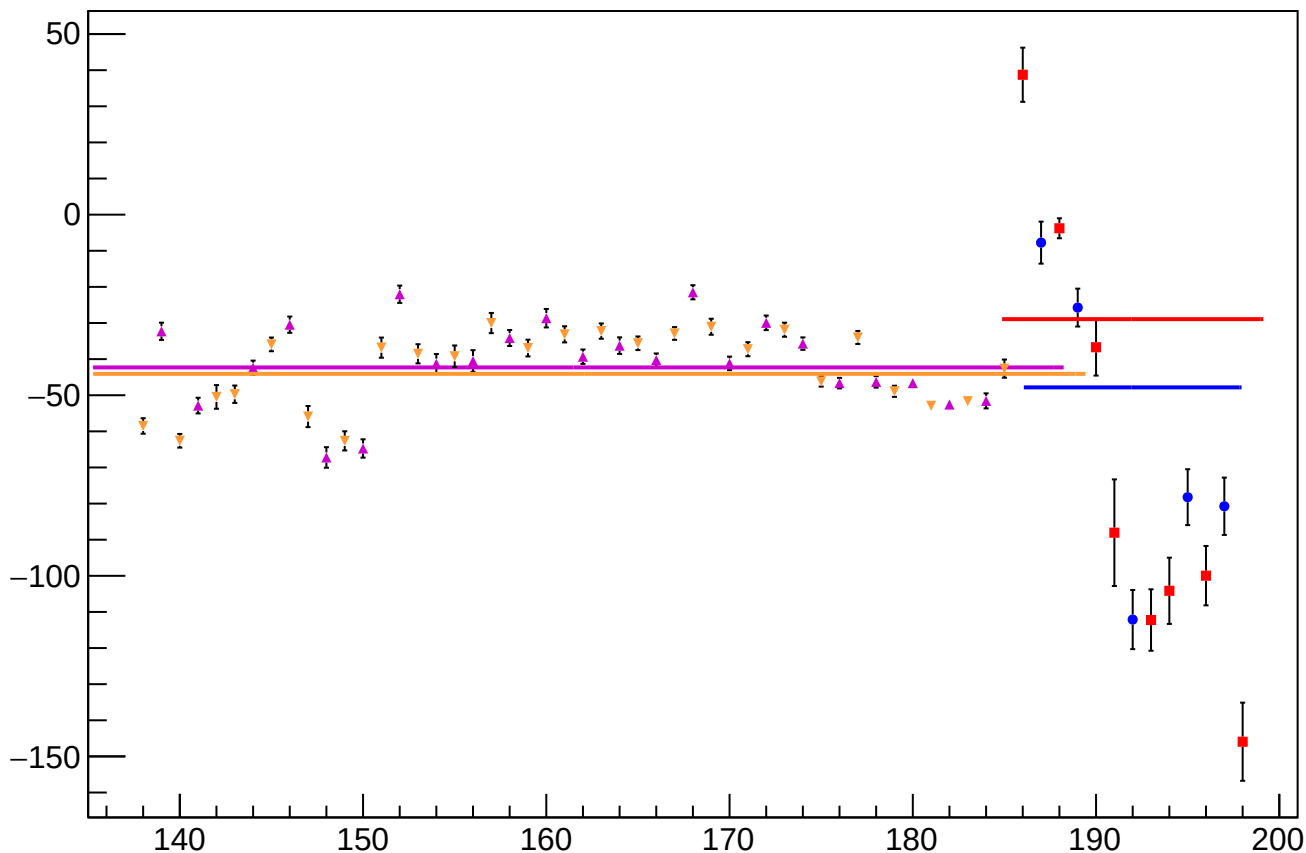
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.447 ± 0.003 χ^2/NDF : 1803.6/46

All: 0.441 ± 0.002 χ^2/NDF : 4507.1/96

- sign 0.434 ± 0.003 χ^2/NDF : 2692.2/49

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -47.822 ± 2.969 χ^2/NDF : 159.5/4

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -28.930 ± 2.140 χ^2/NDF : 535.9/7

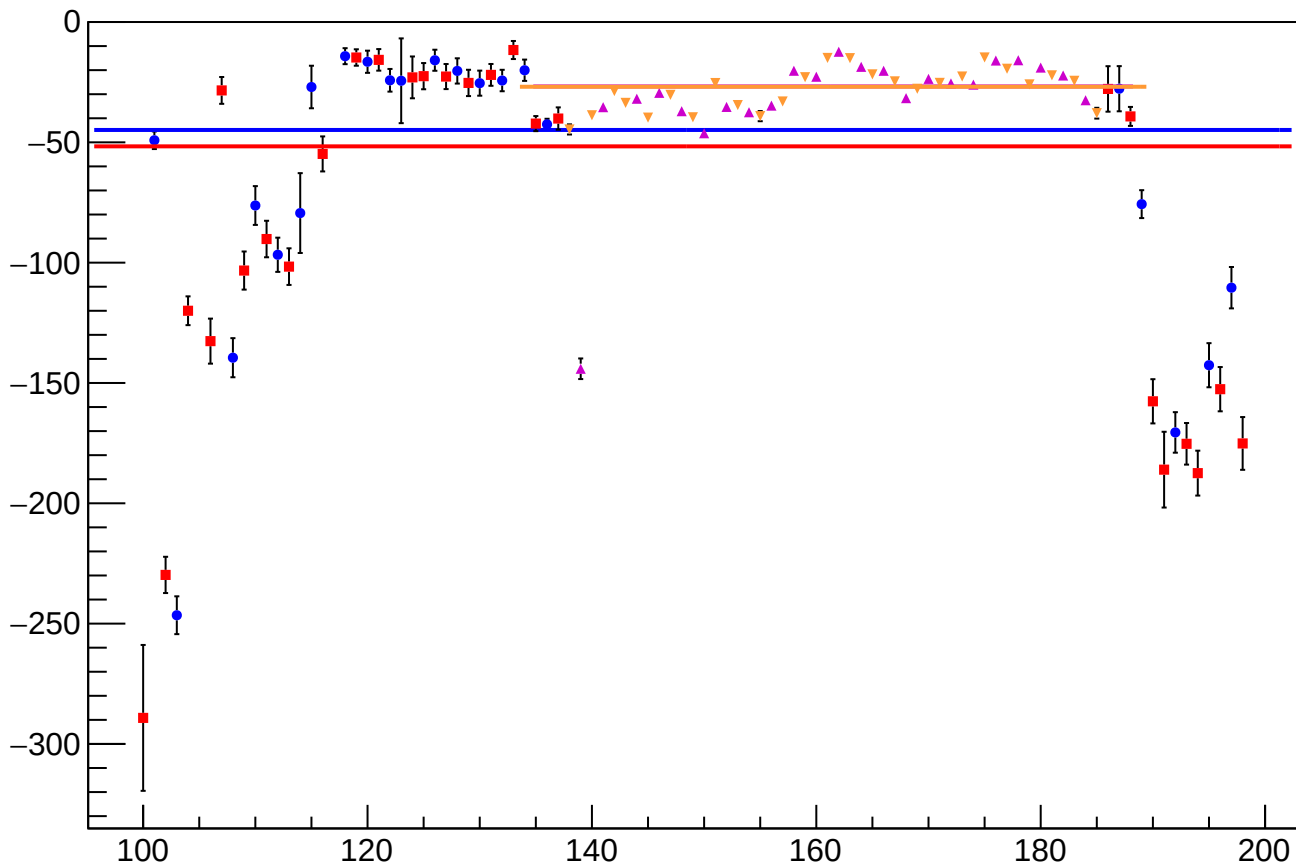
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -44.141 ± 0.385 χ^2/NDF : 793.6/29

All: -43.018 ± 0.275 χ^2/NDF : 2025.2/60

- sign -41.854 ± 0.392 χ^2/NDF : 1214.3/30

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -44.859 ± 1.093 $\chi^2/\text{NDF}: 1575.3/21$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -51.669 ± 1.106 $\chi^2/\text{NDF}: 2287.1/26$

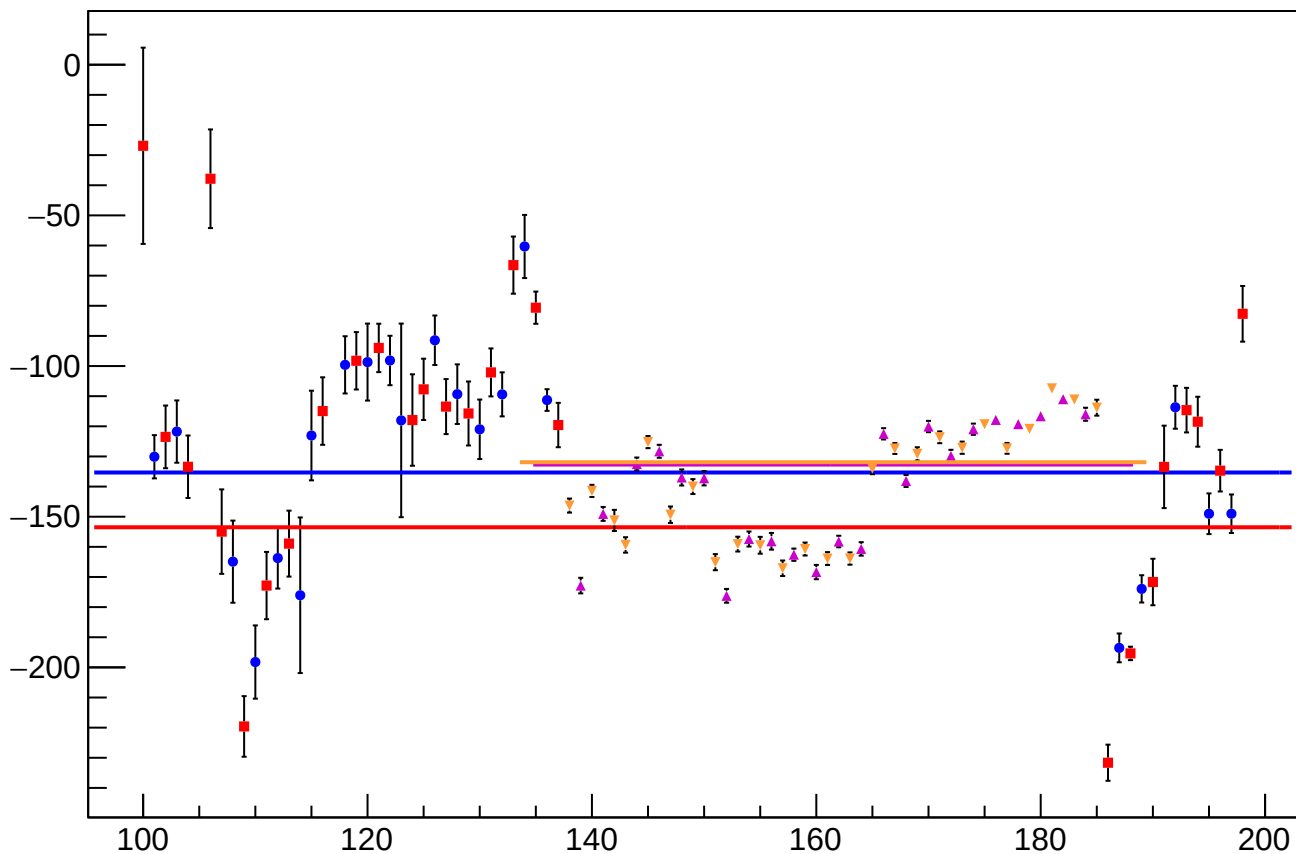
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -28.290 ± 0.304 $\chi^2/\text{NDF}: 2455.4/46$

All: -28.521 ± 0.218 $\chi^2/\text{NDF}: 6604.3/96$

- sign -28.767 ± 0.313 $\chi^2/\text{NDF}: 4147.7/49$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -135.325 ± 1.603 χ^2/NDF : 473.3/21

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -153.499 ± 1.386 χ^2/NDF : 1256.0/26

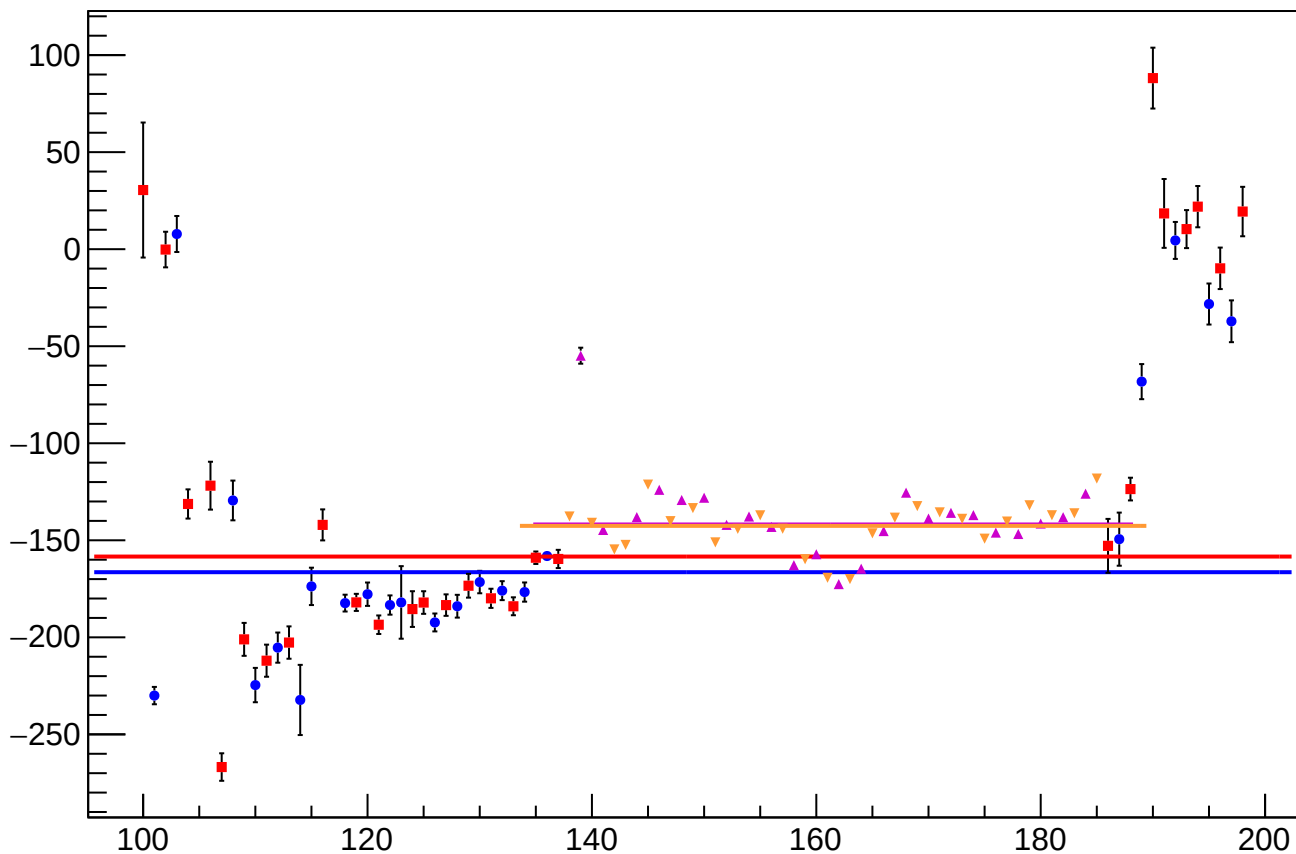
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -132.104 ± 0.380 χ^2/NDF : 2916.8/46

All: -133.185 ± 0.270 χ^2/NDF : 6877.6/96

- sign -134.286 ± 0.384 χ^2/NDF : 3944.4/49

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -166.437 ± 1.233 χ^2/NDF : 1497.7/21

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -158.380 ± 1.273 χ^2/NDF : 2220.8/26

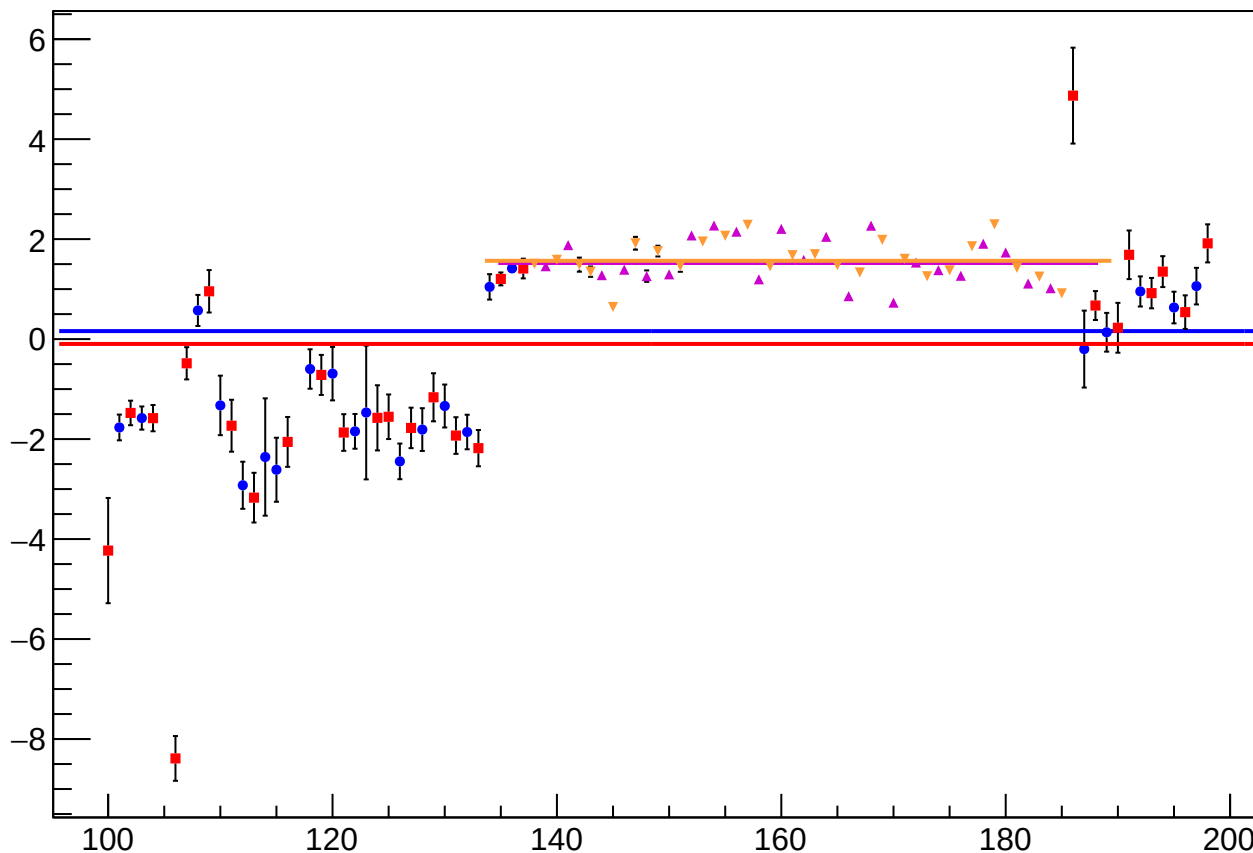
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -144.382 ± 0.340 χ^2/NDF : 2991.7/46

All: -143.761 ± 0.244 χ^2/NDF : 6919.5/96

- sign -143.104 ± 0.350 χ^2/NDF : 3920.9/49

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.160 ± 0.062 χ^2/NDF : 542.2/21

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: -0.097 ± 0.063 χ^2/NDF : 887.3/26

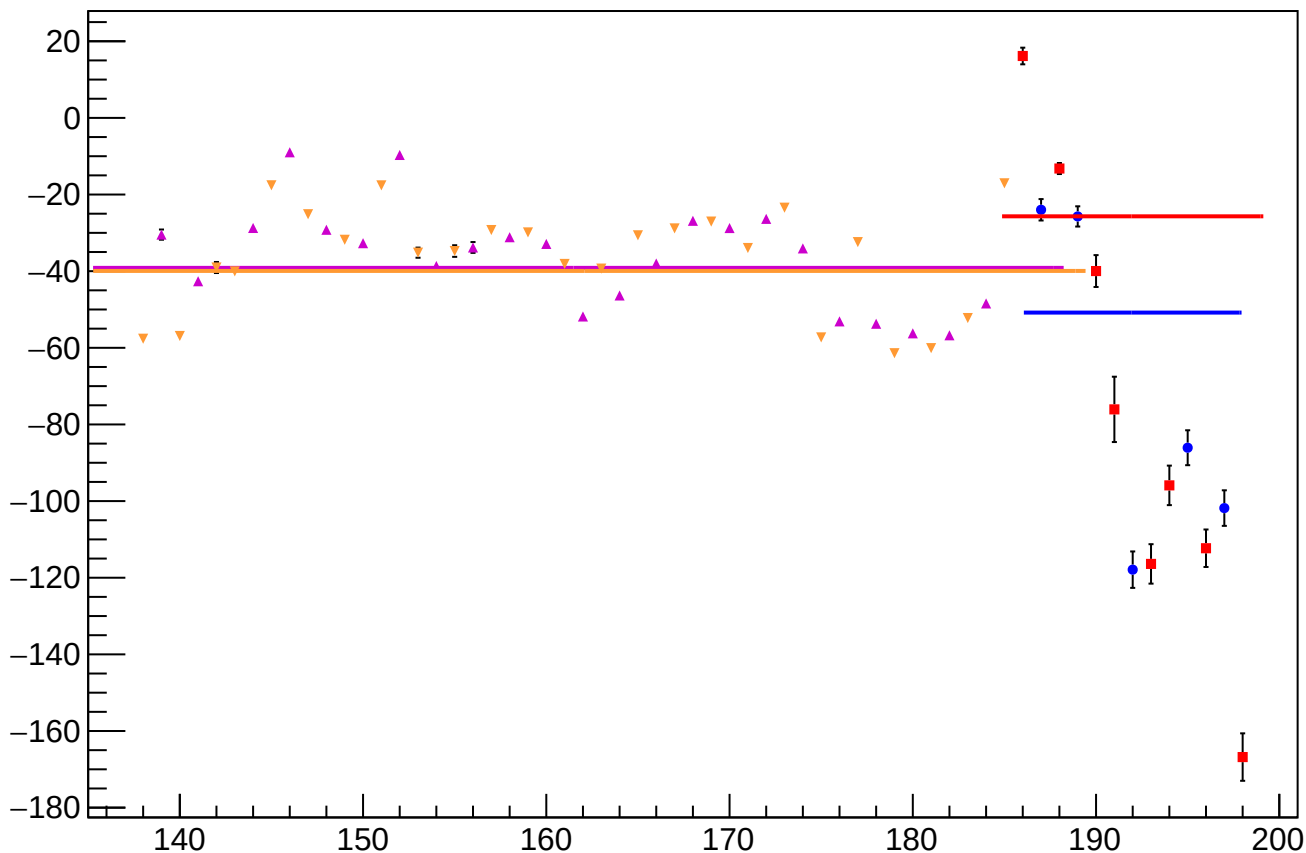
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.477 ± 0.016 χ^2/NDF : 1563.3/46

All: 1.448 ± 0.011 χ^2/NDF : 3820.6/96

- sign 1.418 ± 0.016 χ^2/NDF : 2250.2/49

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -50.807 ± 1.561 $\chi^2/\text{NDF}: 562.5/4$

Left Out: -39.935 ± 0.153 $\chi^2/\text{NDF}: 9806.5/24$

Right Out: -25.686 ± 1.049 $\chi^2/\text{NDF}: 1821.9/7$

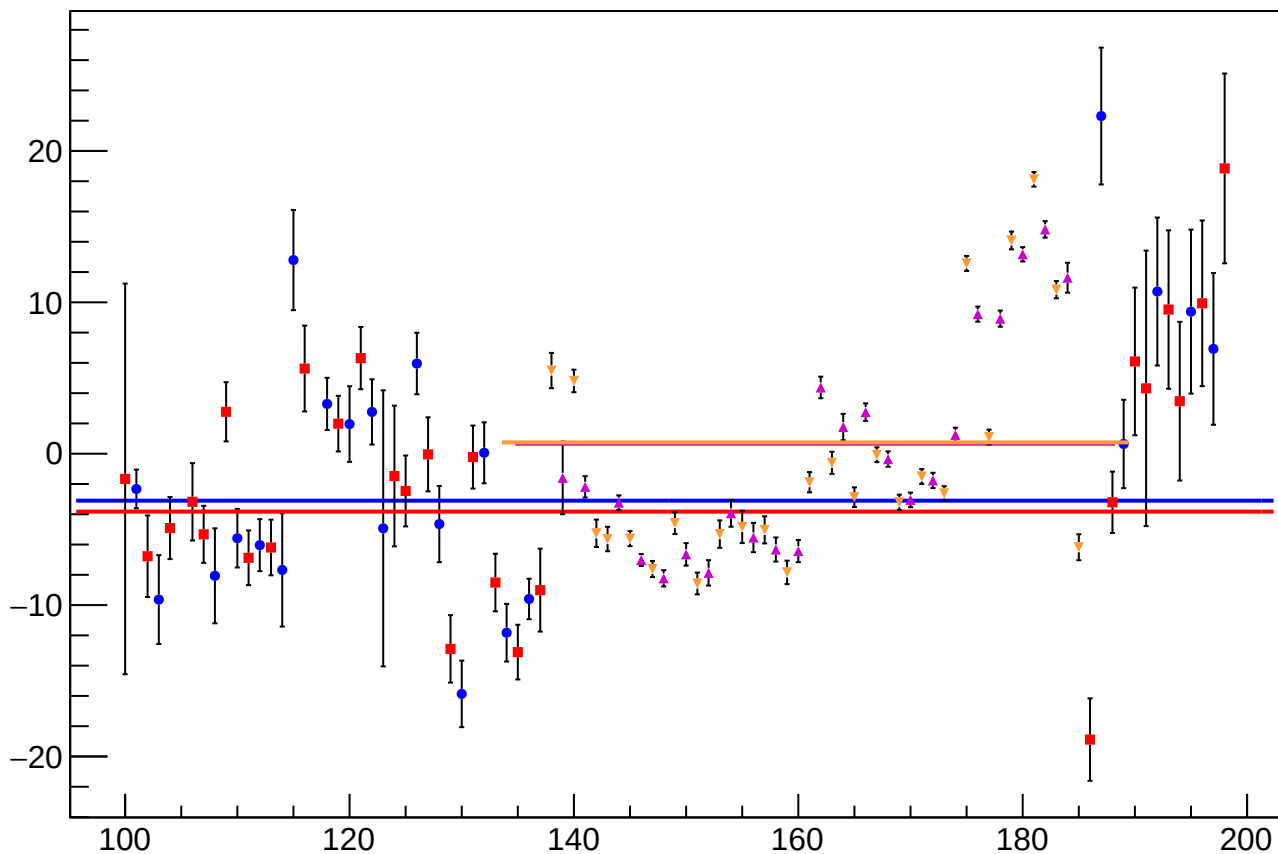
Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

+ sign -40.039 ± 0.152 $\chi^2/\text{NDF}: 10417.0/29$

All: -39.447 ± 0.108 $\chi^2/\text{NDF}: 20964.6/60$

- sign -38.851 ± 0.153 $\chi^2/\text{NDF}: 10517.4/30$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.102 ± 0.483 $\chi^2/\text{NDF}: 213.9/21$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.824 ± 0.474 $\chi^2/\text{NDF}: 185.6/26$

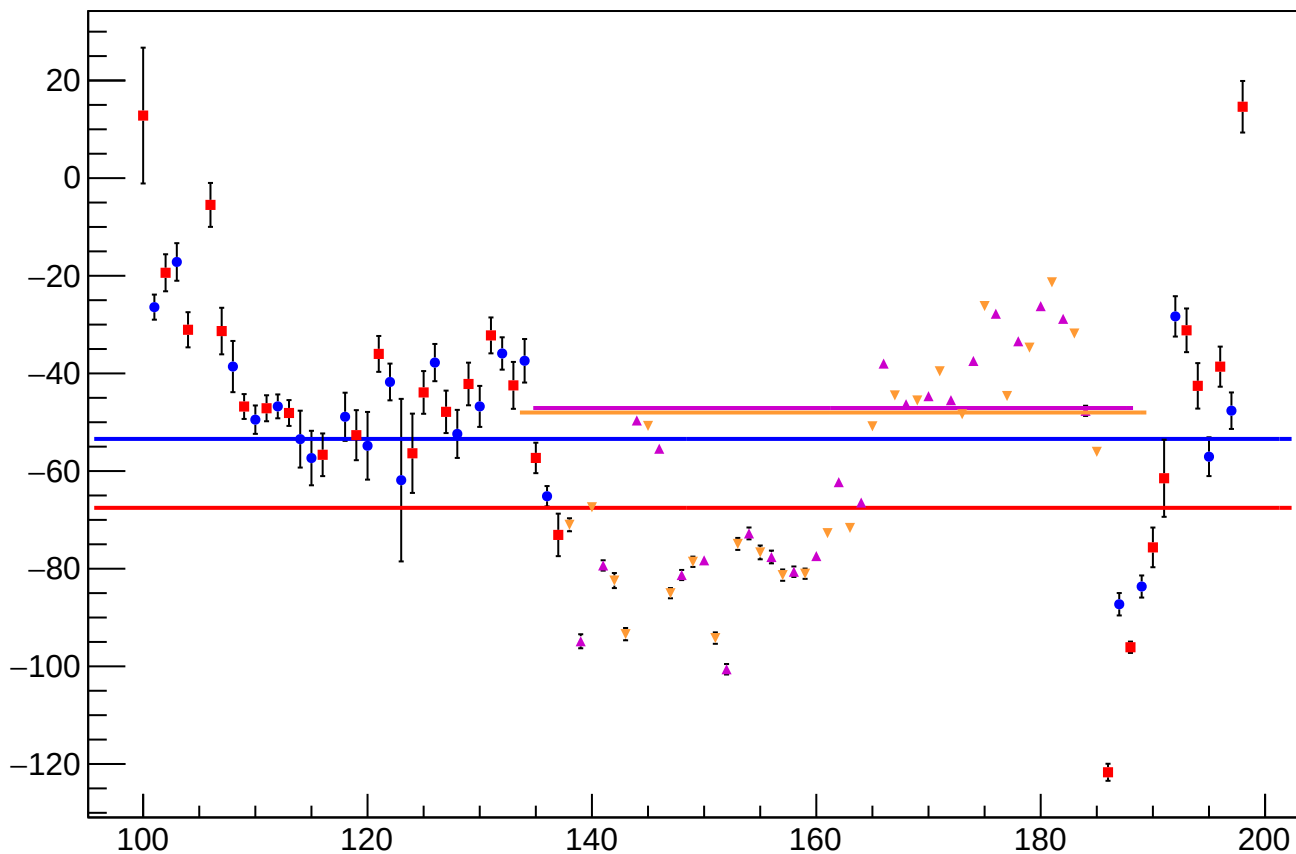
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.510 ± 0.120 $\chi^2/\text{NDF}: 4244.5/46$

All: 0.441 ± 0.085 $\chi^2/\text{NDF}: 7852.2/96$

- sign 0.372 ± 0.120 $\chi^2/\text{NDF}: 3607.0/49$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -53.416 ± 0.734 χ^2/NDF : 755.3/21

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -67.533 ± 0.616 χ^2/NDF : 2990.5/26

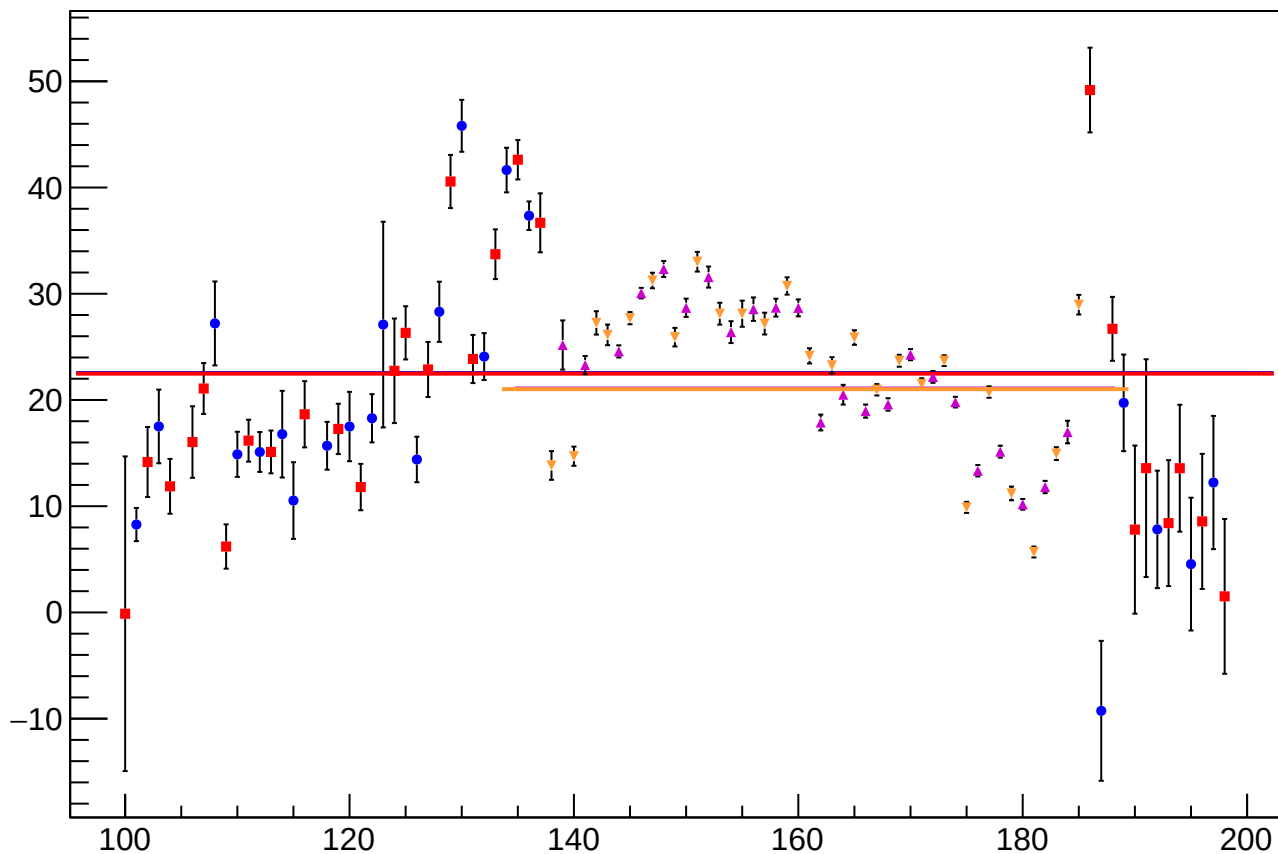
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.237 ± 0.151 χ^2/NDF : 17757.2/46

All: -48.272 ± 0.107 χ^2/NDF : 37298.3/96

- sign -48.307 ± 0.151 χ^2/NDF : 19541.0/49

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.536 $\pm$ 0.547 χ^2 /NDF: 500.0/21

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF:2799.3/24

Right Out: 22.480 $\pm$ 0.547 χ^2 /NDF: 438.3/26

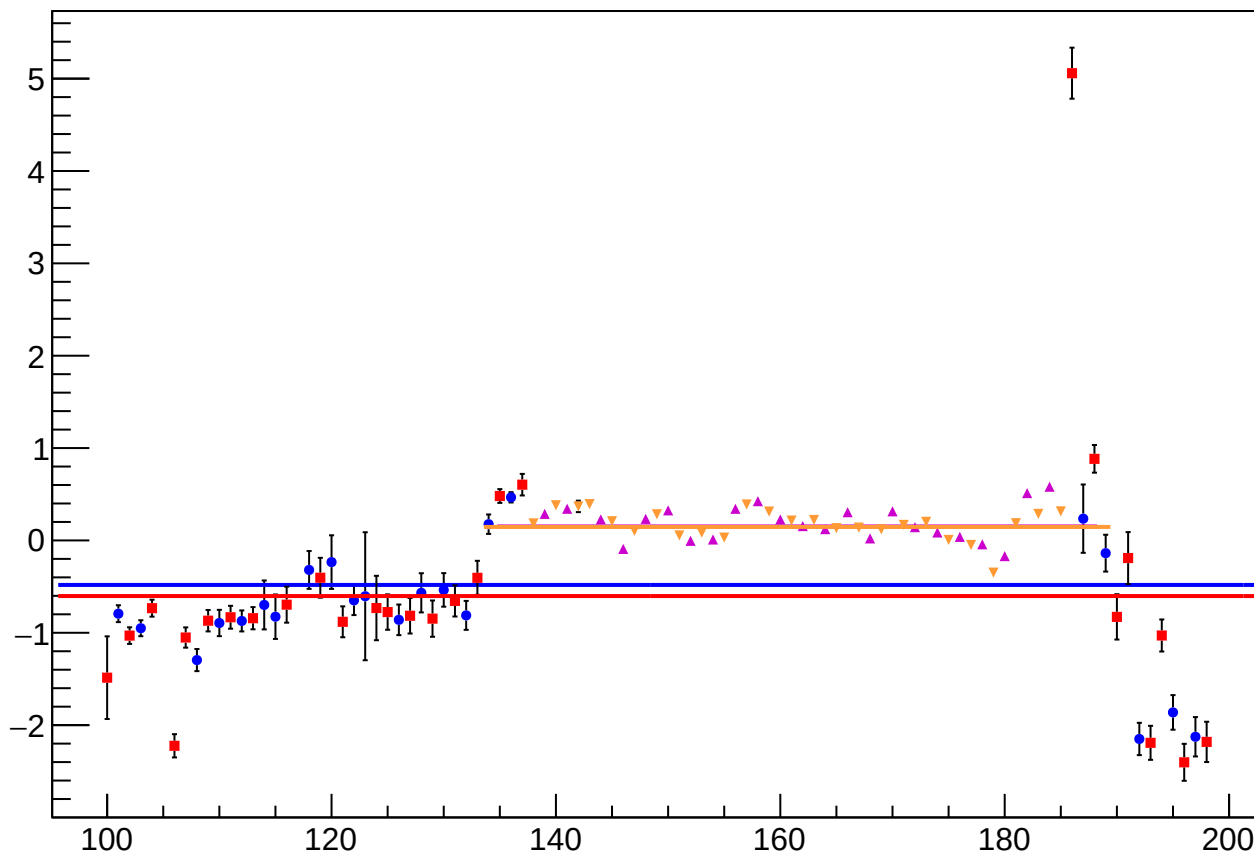
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF:2173.2/22

+ sign 21.112 $\pm$ 0.135 χ^2 /NDF: 3306.5/46

All: 21.138 $\pm$ 0.095 χ^2 /NDF: 5924.2/96

- sign 21.164 $\pm$ 0.135 χ^2 /NDF: 2617.6/49

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.482 ± 0.029 χ^2/NDF : 661.3/21

Left Out: 0.146 ± 0.006 χ^2/NDF : 610.2/24

Right Out: -0.602 ± 0.028 χ^2/NDF : 1286.4/26

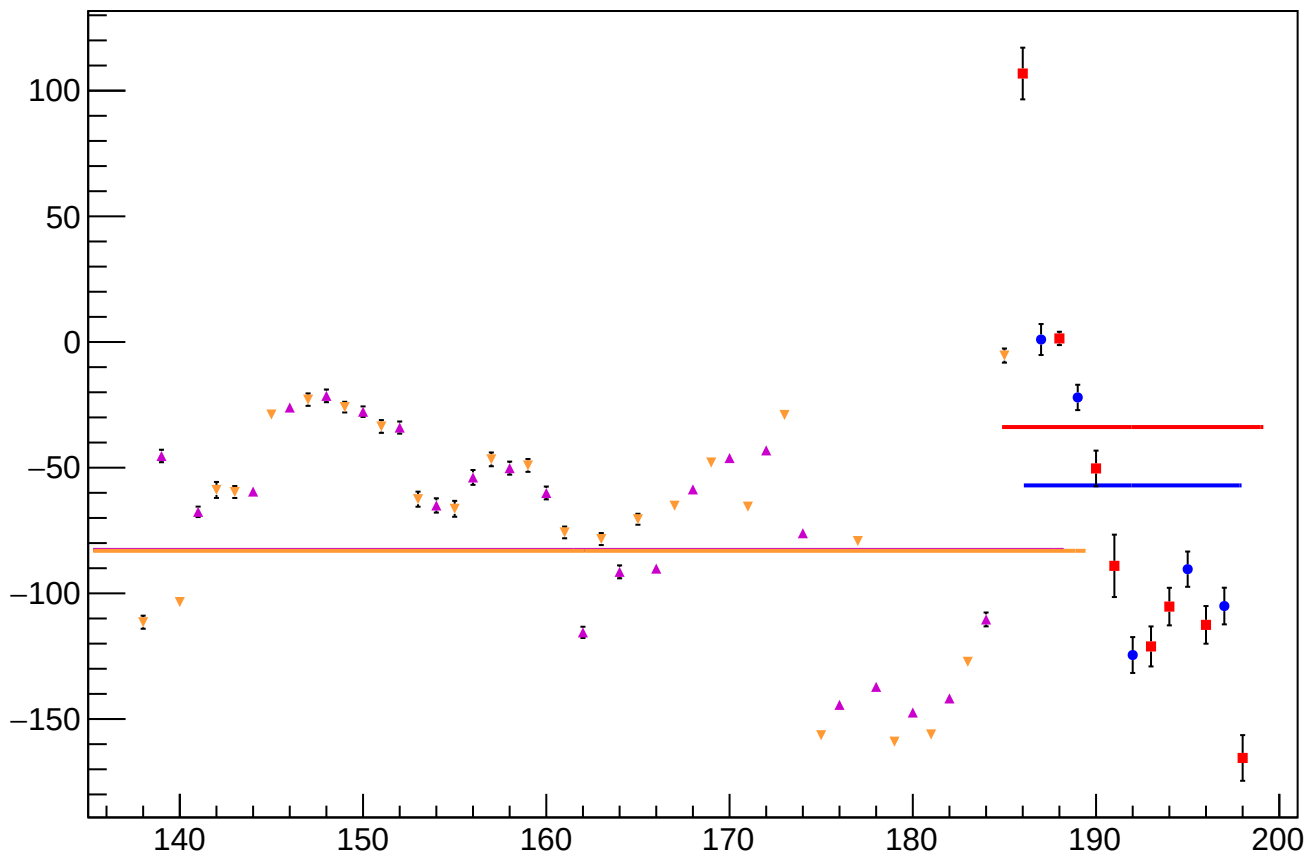
Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

+ sign 0.117 ± 0.006 χ^2/NDF : 1728.8/46

All: 0.115 ± 0.004 χ^2/NDF : 4579.9/96

- sign 0.113 ± 0.006 χ^2/NDF : 2851.0/49

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -57.052 ± 2.836 χ^2/NDF : 292.2/4

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -33.831 ± 2.035 χ^2/NDF : 920.9/7

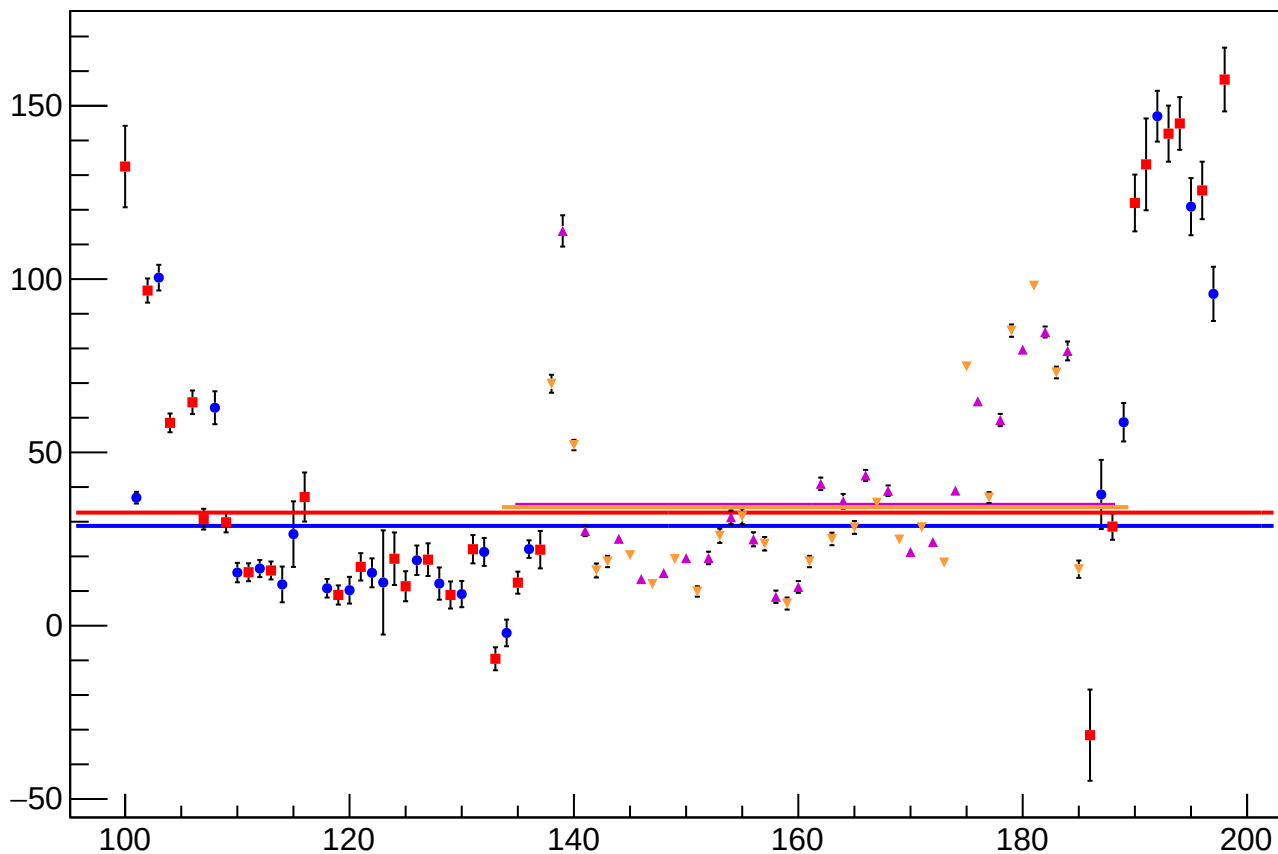
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -82.545 ± 0.402 χ^2/NDF : 14192.0/29

All: -81.661 ± 0.286 χ^2/NDF : 26518.1/60

- sign -80.757 ± 0.407 χ^2/NDF : 12316.4/30

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 28.791 $\pm$ 0.784 χ^2 /NDF: 1195.9/21

Left Out: 34.219 $\pm$ 0.320 χ^2 /NDF: 6192.6/24

Right Out: 32.631 $\pm$ 0.773 χ^2 /NDF: 1965.4/26

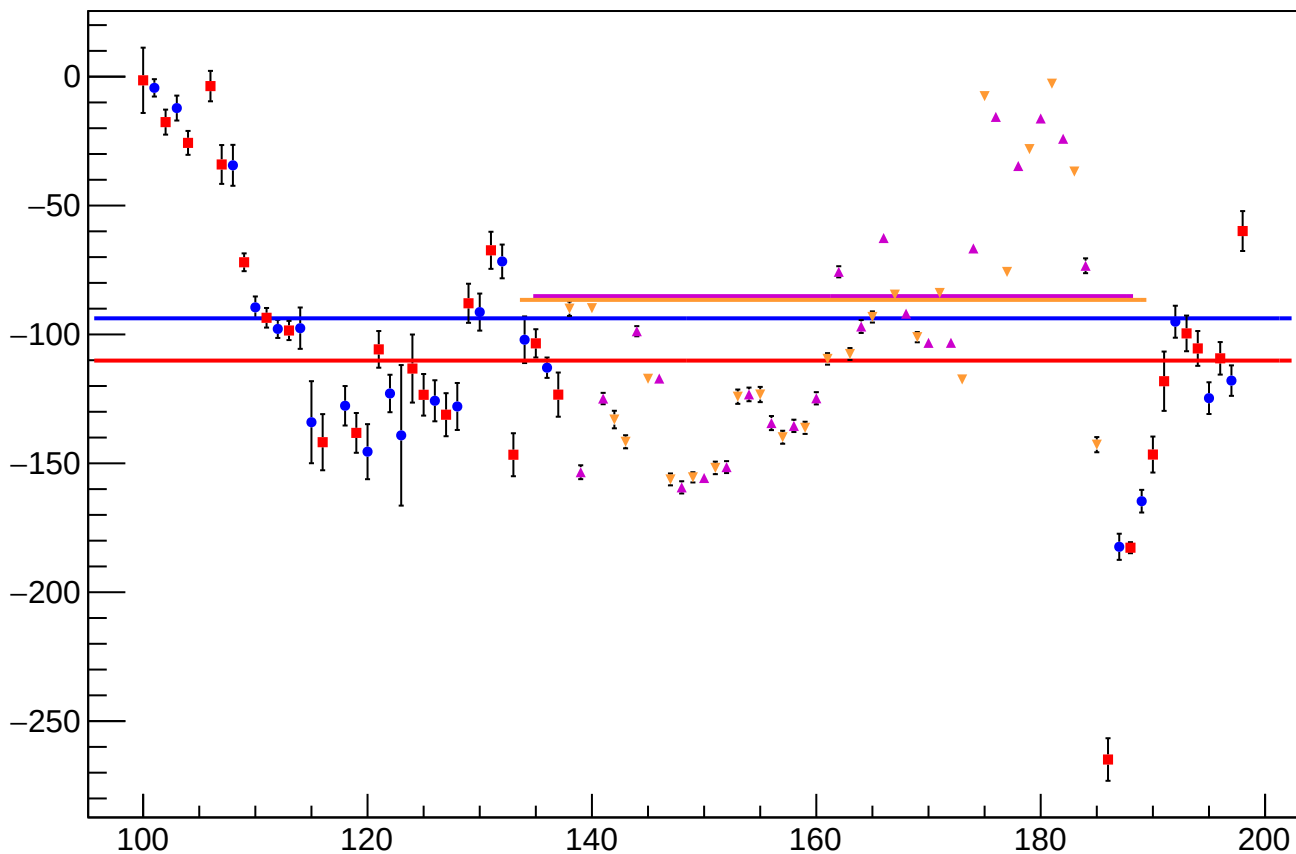
Left In: 34.870 $\pm$ 0.329 χ^2 /NDF: 4716.1/22

+ sign 33.443 $\pm$ 0.296 χ^2 /NDF: 7429.5/46

All: 33.973 $\pm$ 0.212 χ^2 /NDF: 14124.7/96

- sign 34.526 $\pm$ 0.303 χ^2 /NDF: 6688.7/49

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -93.745 ± 1.223 $\chi^2/\text{NDF}: 1790.2/21$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -110.139 ± 1.060 $\chi^2/\text{NDF}: 3015.6/26$

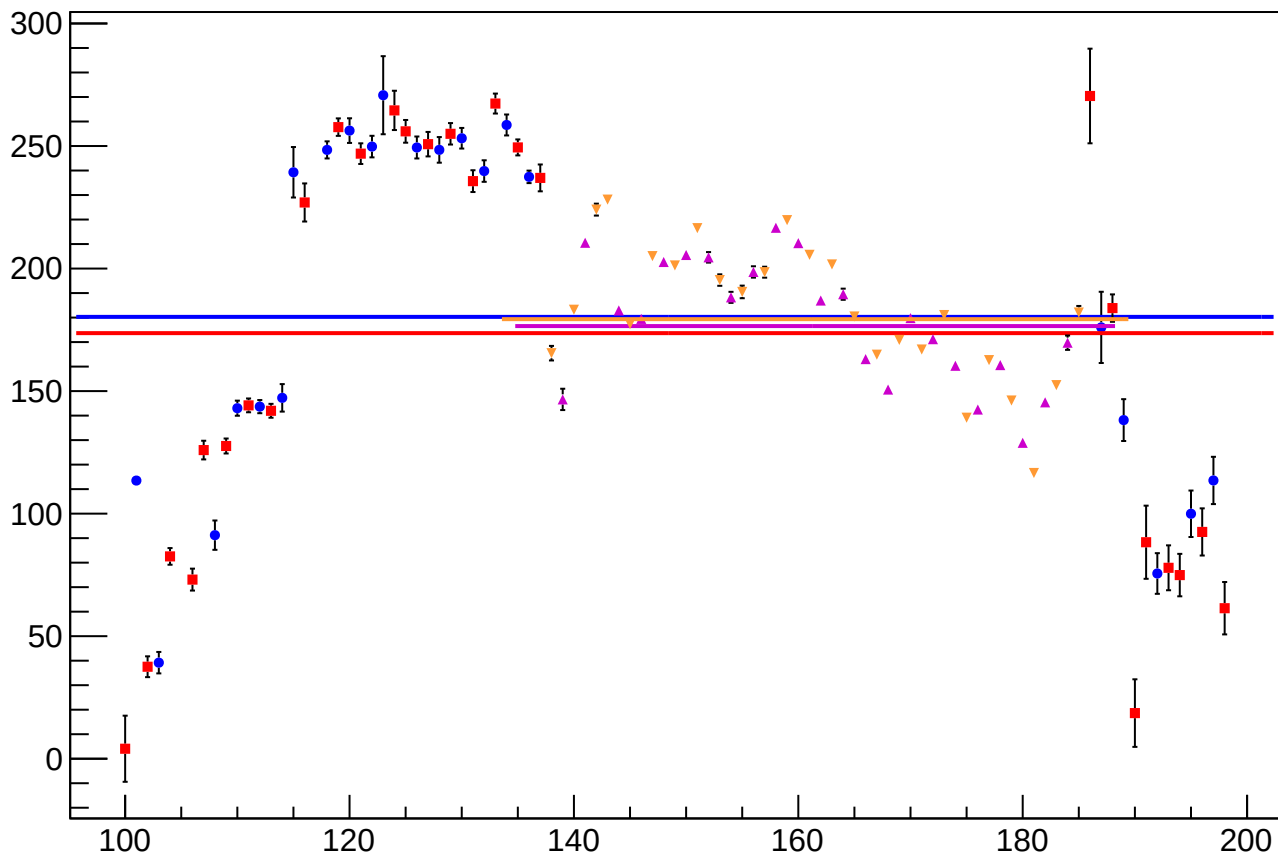
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -87.312 ± 0.387 $\chi^2/\text{NDF}: 16336.6/46$

All: -87.887 ± 0.274 $\chi^2/\text{NDF}: 32680.5/96$

- sign -88.459 ± 0.386 $\chi^2/\text{NDF}: 16339.5/49$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 180.288 $\pm$ 0.900 χ^2 /NDF: 5633.5/21

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 173.651 $\pm$ 0.892 χ^2 /NDF: 6965.5/26

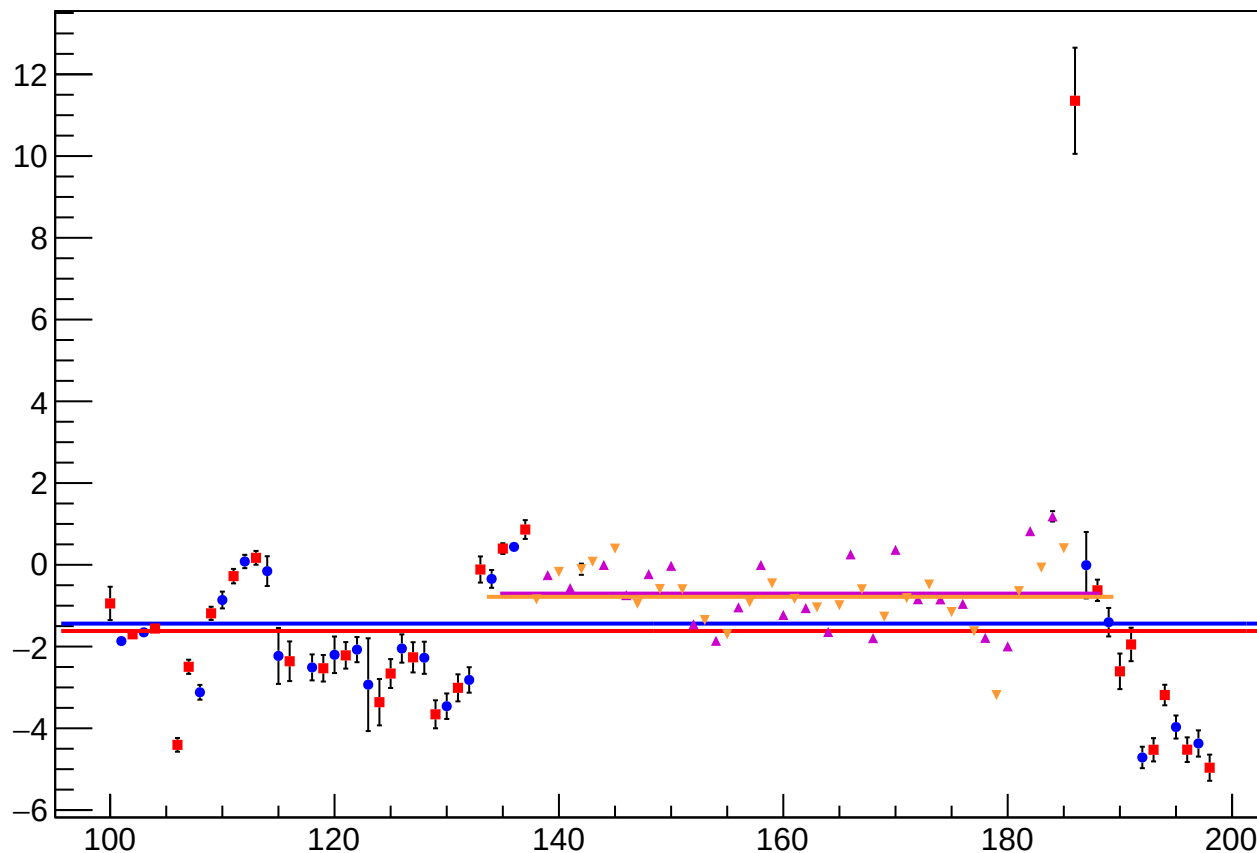
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 179.489 $\pm$ 0.336 χ^2 /NDF: 11616.7/46

All: 177.831 $\pm$ 0.240 χ^2 /NDF: 23066.7/96

- sign 176.106 $\pm$ 0.342 χ^2 /NDF: 11400.3/49

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.438 ± 0.046 χ^2/NDF : 968.9/21

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.619 ± 0.043 χ^2/NDF : 1409.7/26

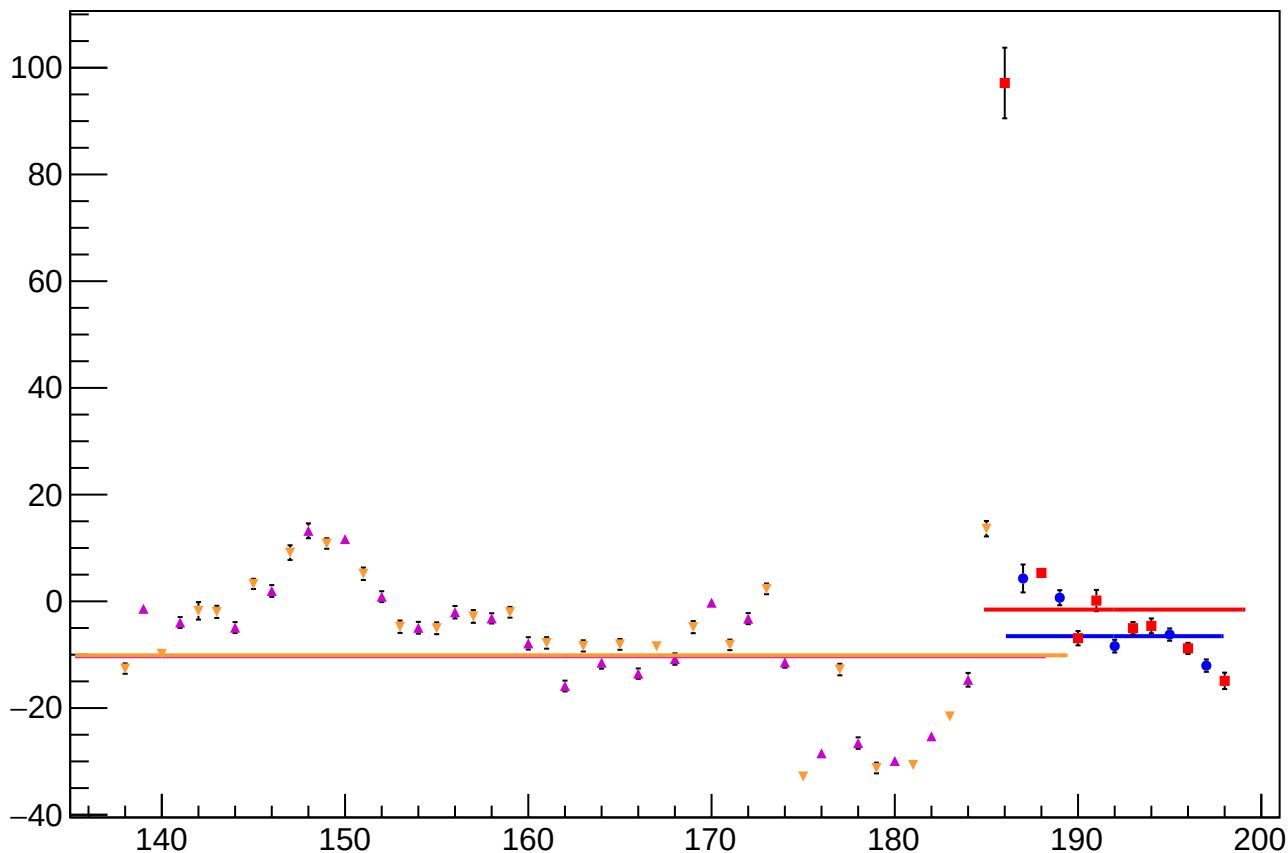
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.859 ± 0.016 χ^2/NDF : 2921.2/46

All: -0.845 ± 0.011 χ^2/NDF : 7138.2/96

- sign -0.829 ± 0.016 χ^2/NDF : 4215.2/49

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -6.531 ± 0.594 $\chi^2/\text{NDF}: 68.0/4$

Left Out: -10.117 ± 0.201 $\chi^2/\text{NDF}: 4138.1/24$

Right Out: -1.546 ± 0.413 $\chi^2/\text{NDF}: 492.3/7$

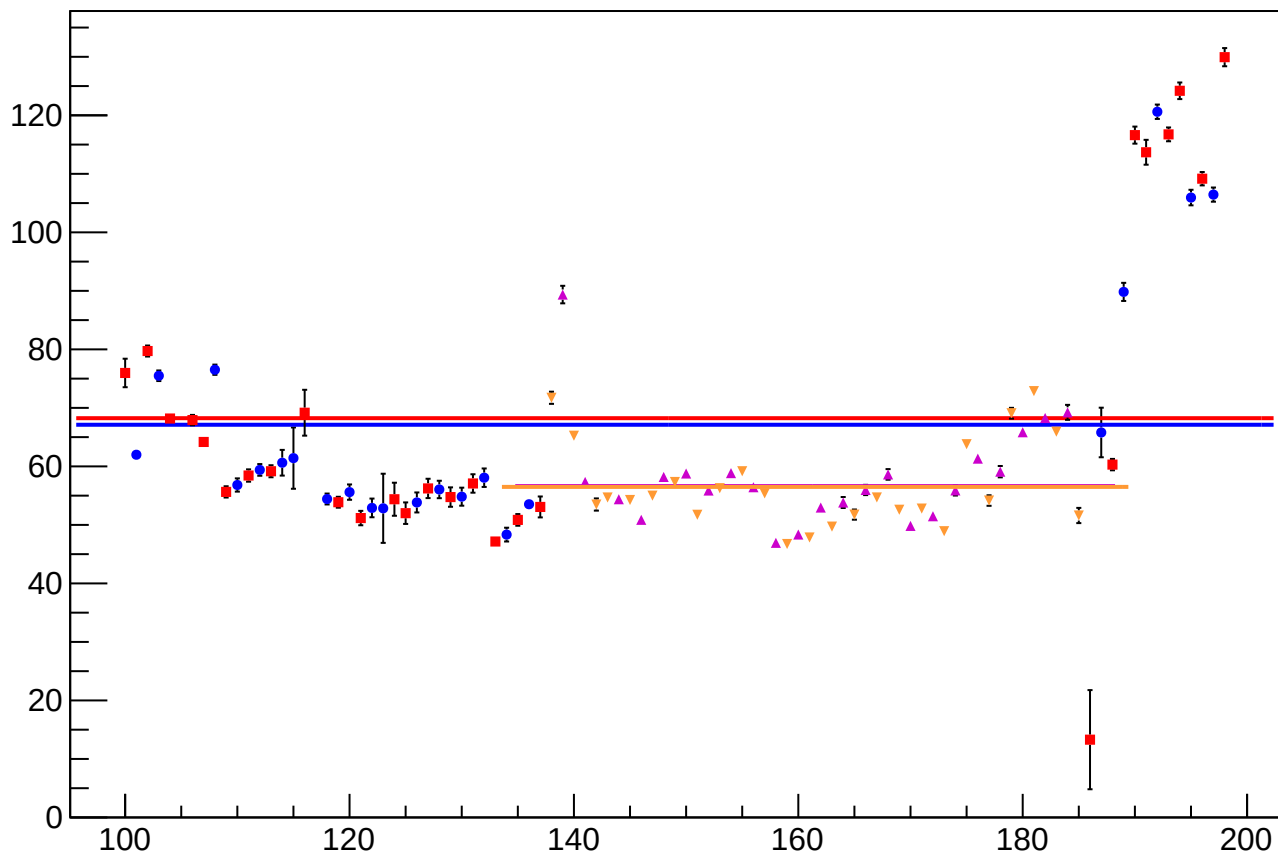
Left In: -10.290 ± 0.205 $\chi^2/\text{NDF}: 3451.0/22$

+ sign -9.748 ± 0.191 $\chi^2/\text{NDF}: 4238.8/29$

All: -9.129 ± 0.132 $\chi^2/\text{NDF}: 8562.1/60$

- sign -8.555 ± 0.184 $\chi^2/\text{NDF}: 4303.0/30$

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 67.116 $\pm$ 0.244 χ^2 /NDF: 5550.7/21

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF:1968.0/24

Right Out: 68.238 $\pm$ 0.221 χ^2 /NDF: 10357.2/26

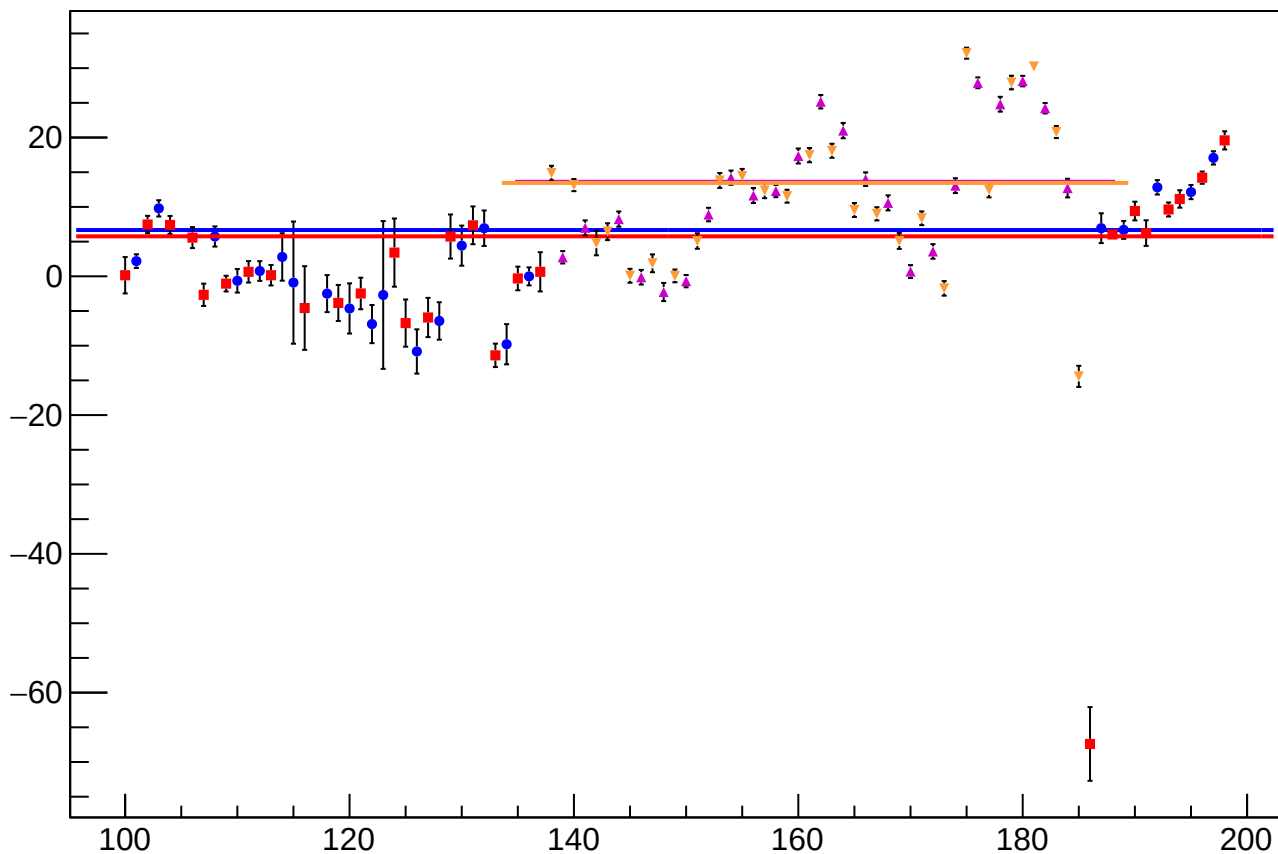
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

+ sign 59.659 $\pm$ 0.133 χ^2 /NDF: 8849.5/46

All: 60.225 $\pm$ 0.094 χ^2 /NDF: 22616.3/96

- sign 60.785 $\pm$ 0.132 χ^2 /NDF: 13730.9/49

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.669 ± 0.342 χ^2/NDF : 407.2/21

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 5.762 ± 0.271 χ^2/NDF : 710.8/26

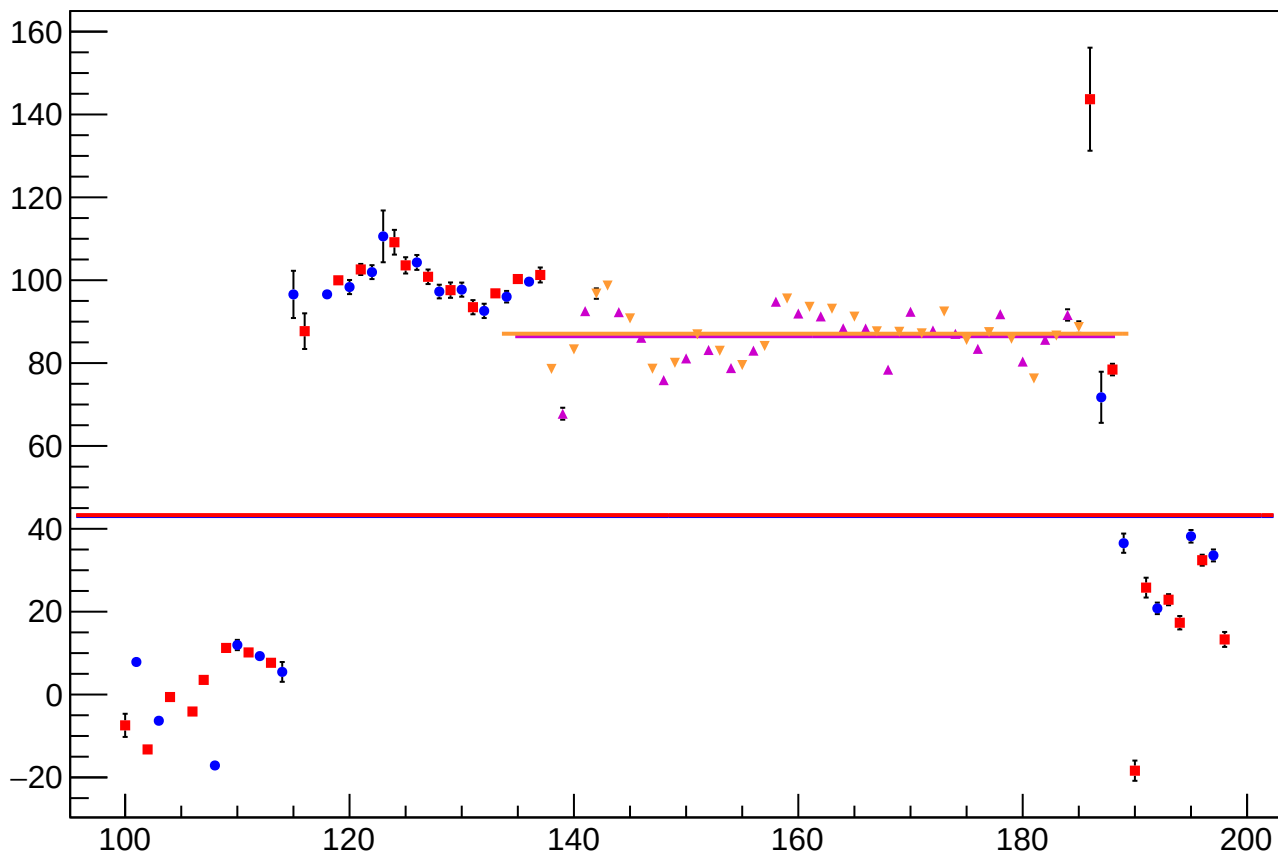
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.715 ± 0.174 χ^2/NDF : 3435.9/46

All: 11.214 ± 0.119 χ^2/NDF : 7013.0/96

- sign 10.772 ± 0.163 χ^2/NDF : 3561.5/49

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.078 $\pm$ 0.284 χ^2 /NDF: 25073.3/21

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 43.309 $\pm$ 0.262 χ^2 /NDF: 30523.1/26

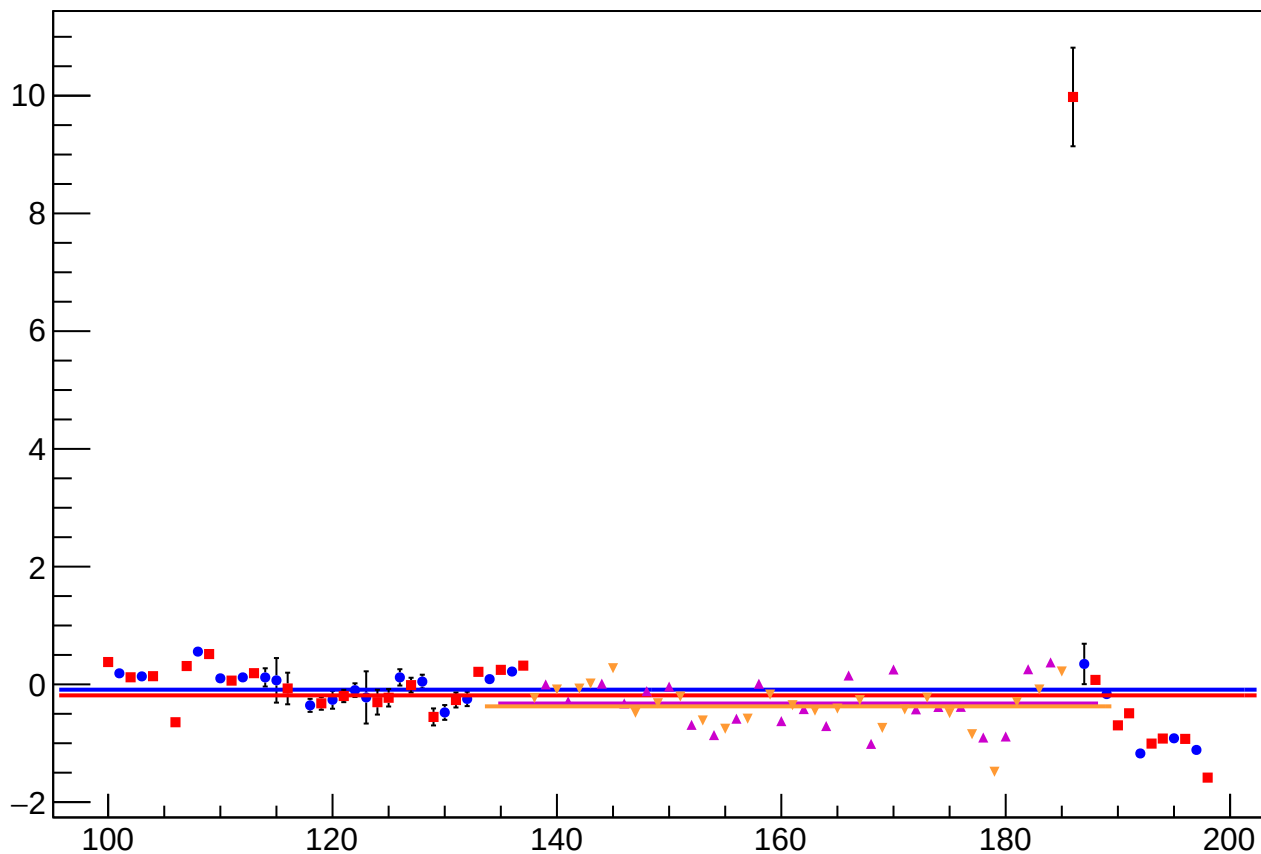
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 74.570 $\pm$ 0.151 χ^2 /NDF: 43336.0/46

All: 73.350 $\pm$ 0.107 χ^2 /NDF: 93158.5/96

- sign 72.141 $\pm$ 0.151 χ^2 /NDF: 49693.3/49

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.090 ± 0.012 χ^2/NDF : 2108.6/21

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.187 ± 0.011 χ^2/NDF : 2898.9/26

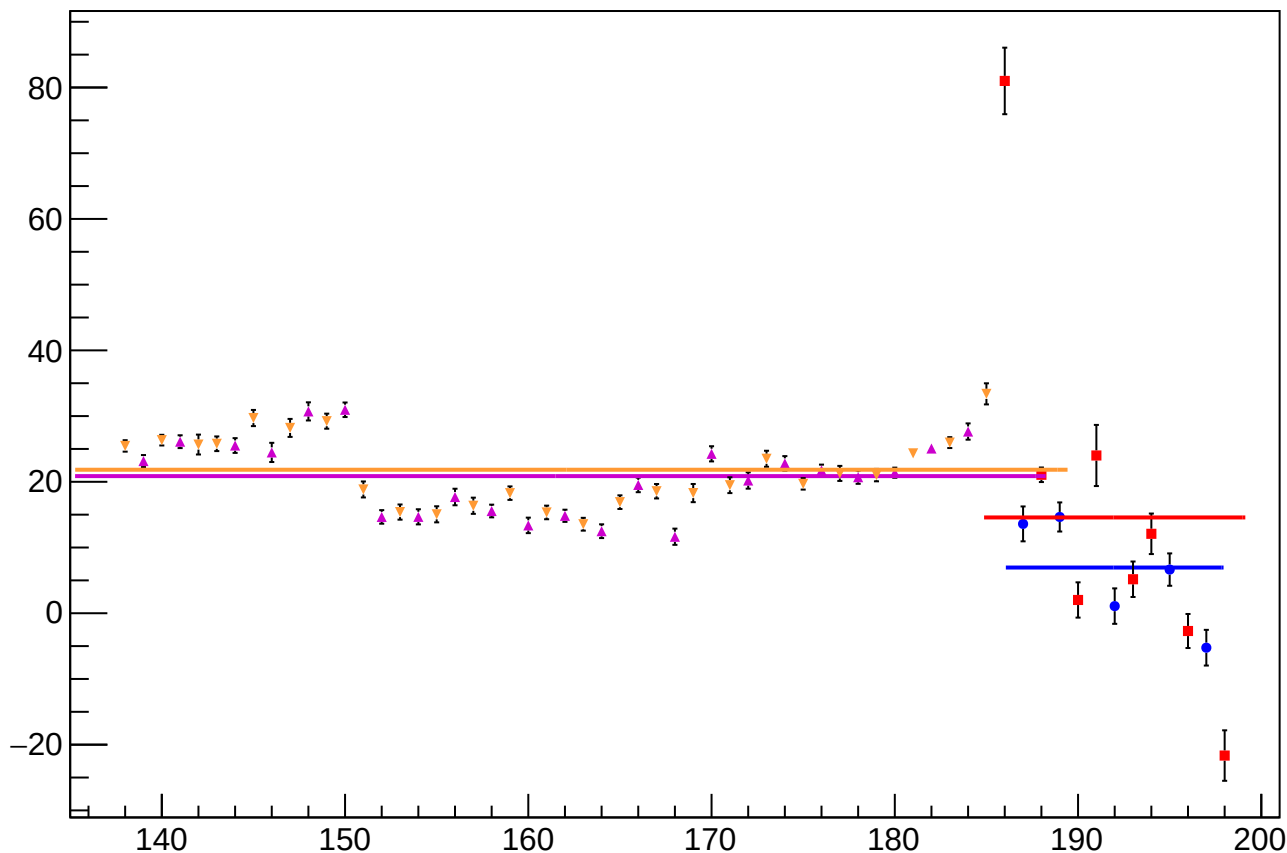
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.286 ± 0.007 χ^2/NDF : 4150.8/46

All: -0.280 ± 0.005 χ^2/NDF : 9438.7/96

- sign -0.275 ± 0.007 χ^2/NDF : 5286.4/49

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 6.955 ± 1.130 χ^2/NDF : 43.3/4

Left Out: 21.836 ± 0.210 χ^2/NDF : 524.3/24

Right Out: 14.576 ± 0.817 χ^2/NDF : 378.9/7

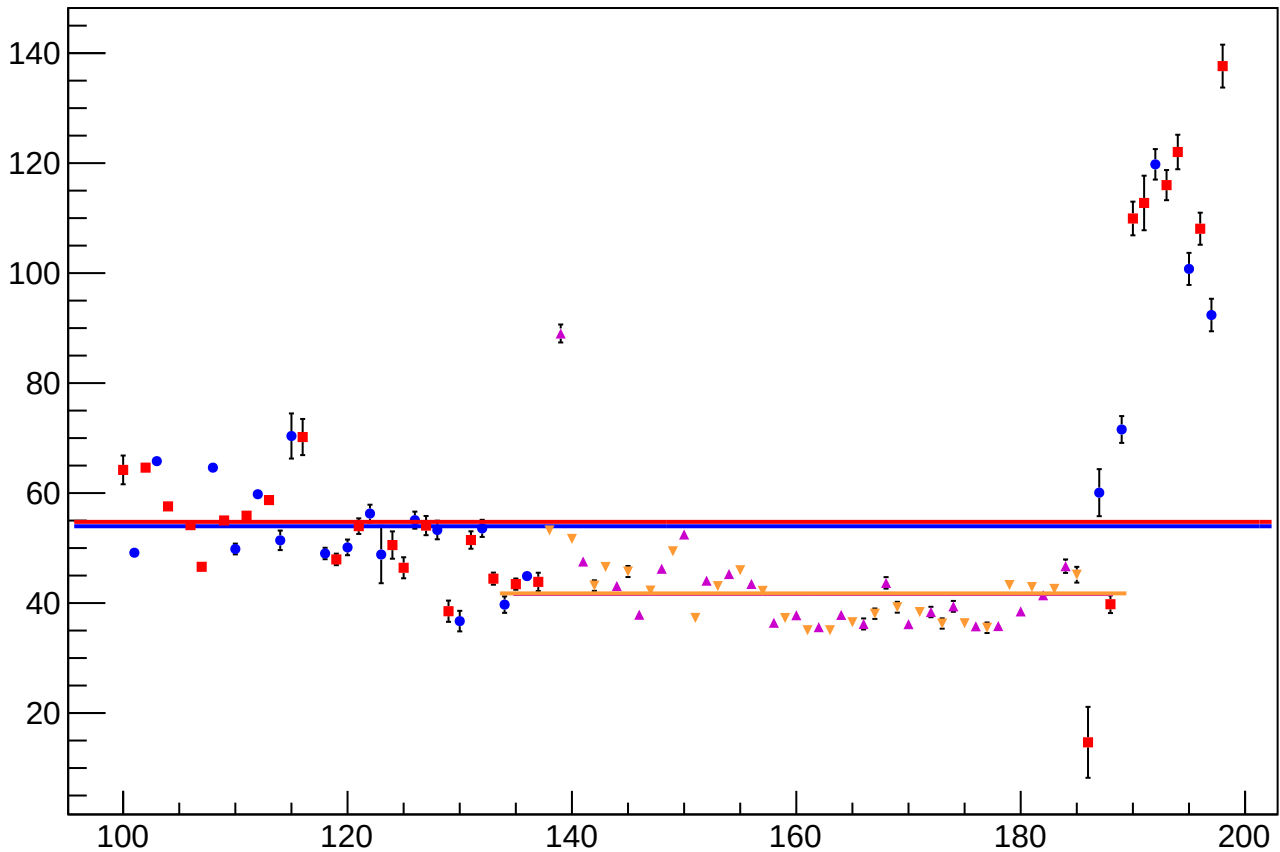
Left In: 20.866 ± 0.217 χ^2/NDF : 576.9/22

+ sign 21.340 ± 0.206 χ^2/NDF : 735.3/29

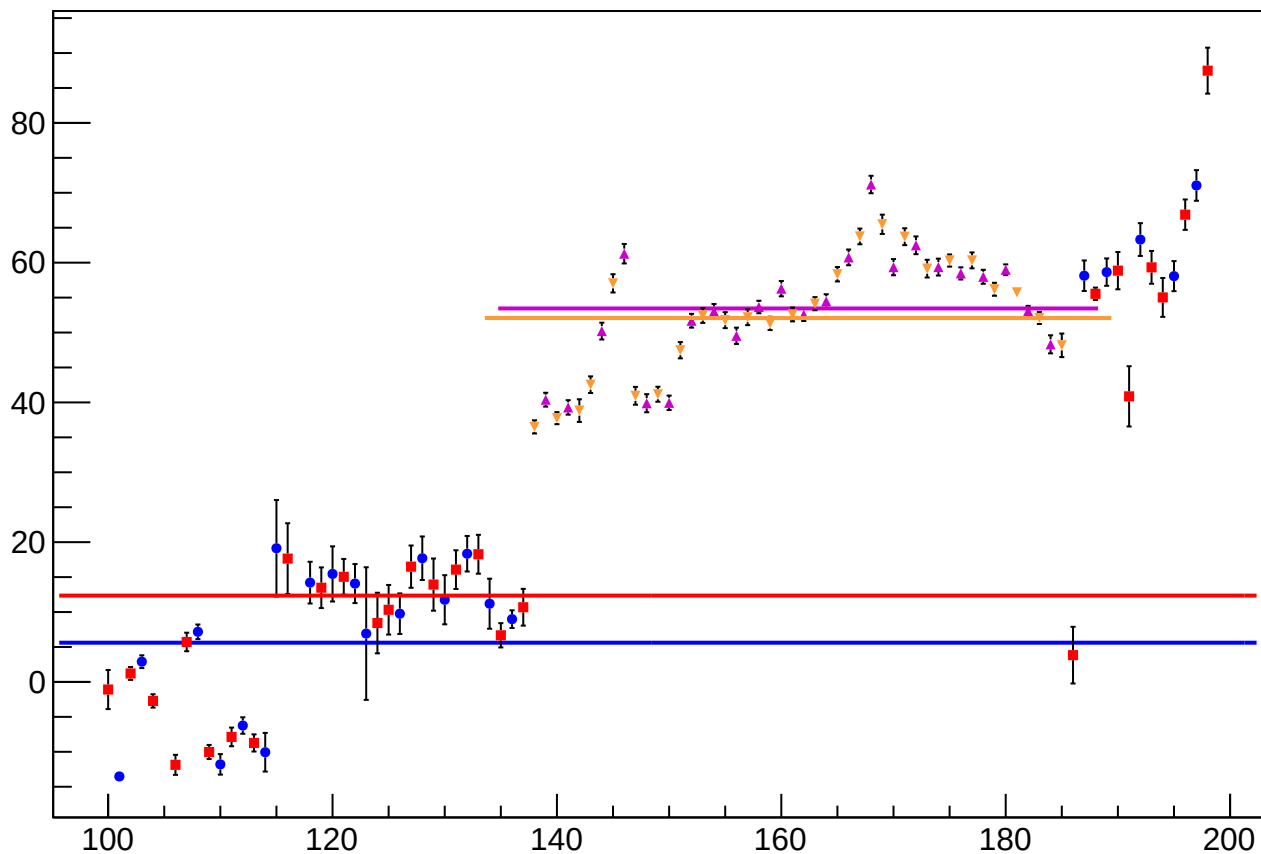
All: 20.903 ± 0.147 χ^2/NDF : 1755.6/60

- sign 20.452 ± 0.209 χ^2/NDF : 1011.2/30

reg_asym_sam6_diff_bpm4aY_slope vs Slug



reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 5.614 ± 0.341 $\chi^2/\text{NDF}: 4720.1/21$

Left Out: 52.076 ± 0.210 $\chi^2/\text{NDF}: 1450.9/24$

Right Out: 12.354 ± 0.331 $\chi^2/\text{NDF}: 6247.0/26$

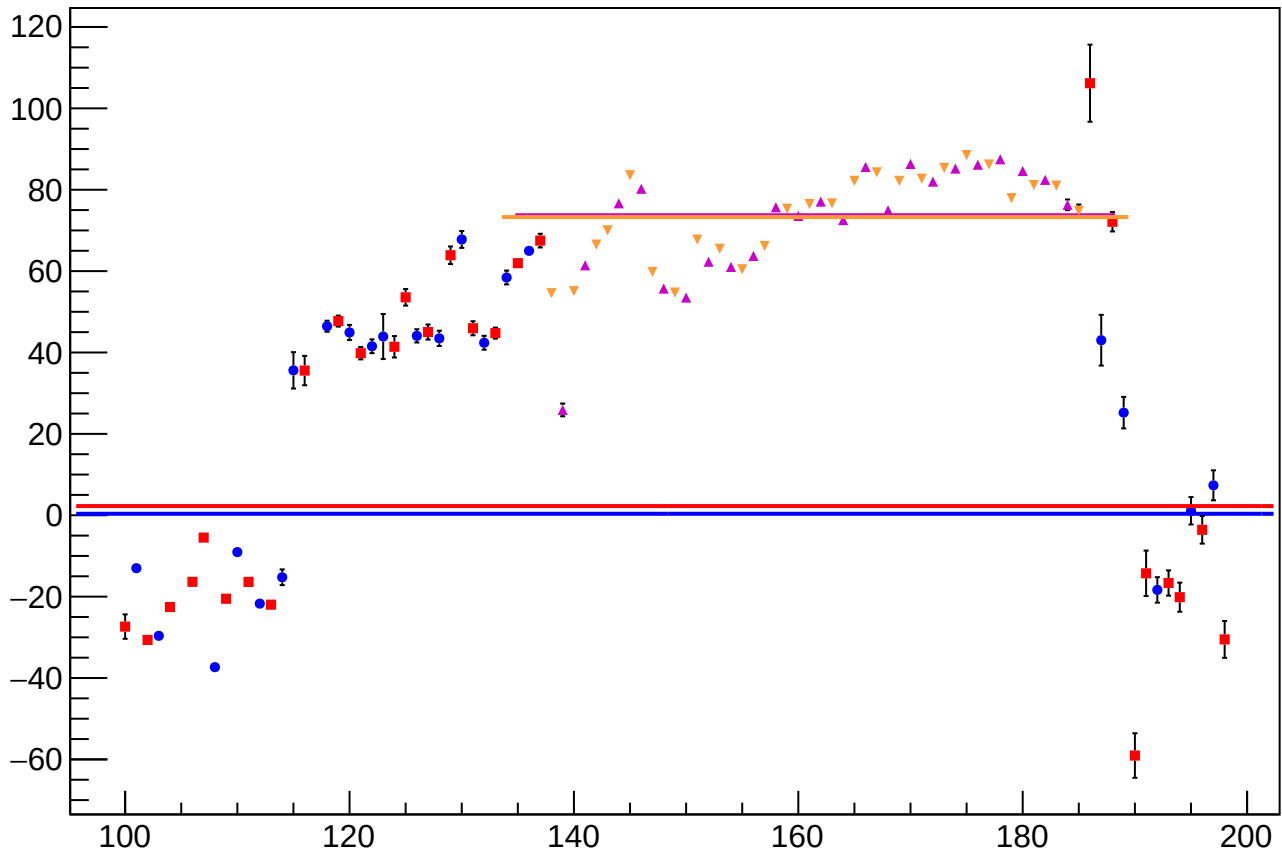
Left In: 53.447 ± 0.215 $\chi^2/\text{NDF}: 1169.0/22$

+ sign 39.302 ± 0.179 $\chi^2/\text{NDF}: 19628.6/46$

All: 40.244 ± 0.127 $\chi^2/\text{NDF}: 37949.6/96$

- sign 41.203 ± 0.180 $\chi^2/\text{NDF}: 18265.0/49$

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.363 ± 0.245 χ^2/NDF : 18347.5/21

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.258 ± 0.262 χ^2/NDF : 16661.1/26

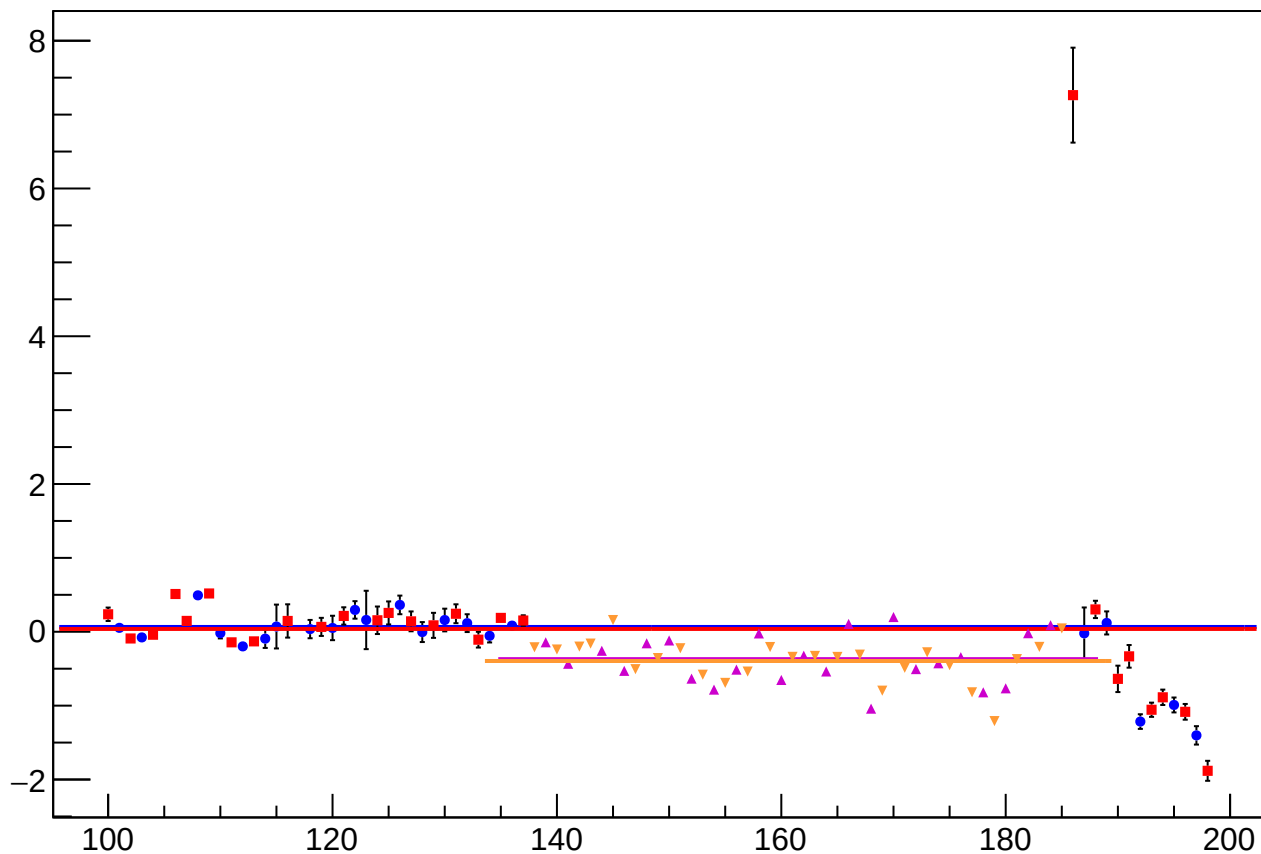
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.466 ± 0.149 χ^2/NDF : 77507.4/46

All: 47.341 ± 0.108 χ^2/NDF : 146134.1/96

- sign 48.305 ± 0.156 χ^2/NDF : 68553.9/49

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.065 ± 0.011 χ^2/NDF : 829.4/21

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.038 ± 0.011 χ^2/NDF : 1083.3/26

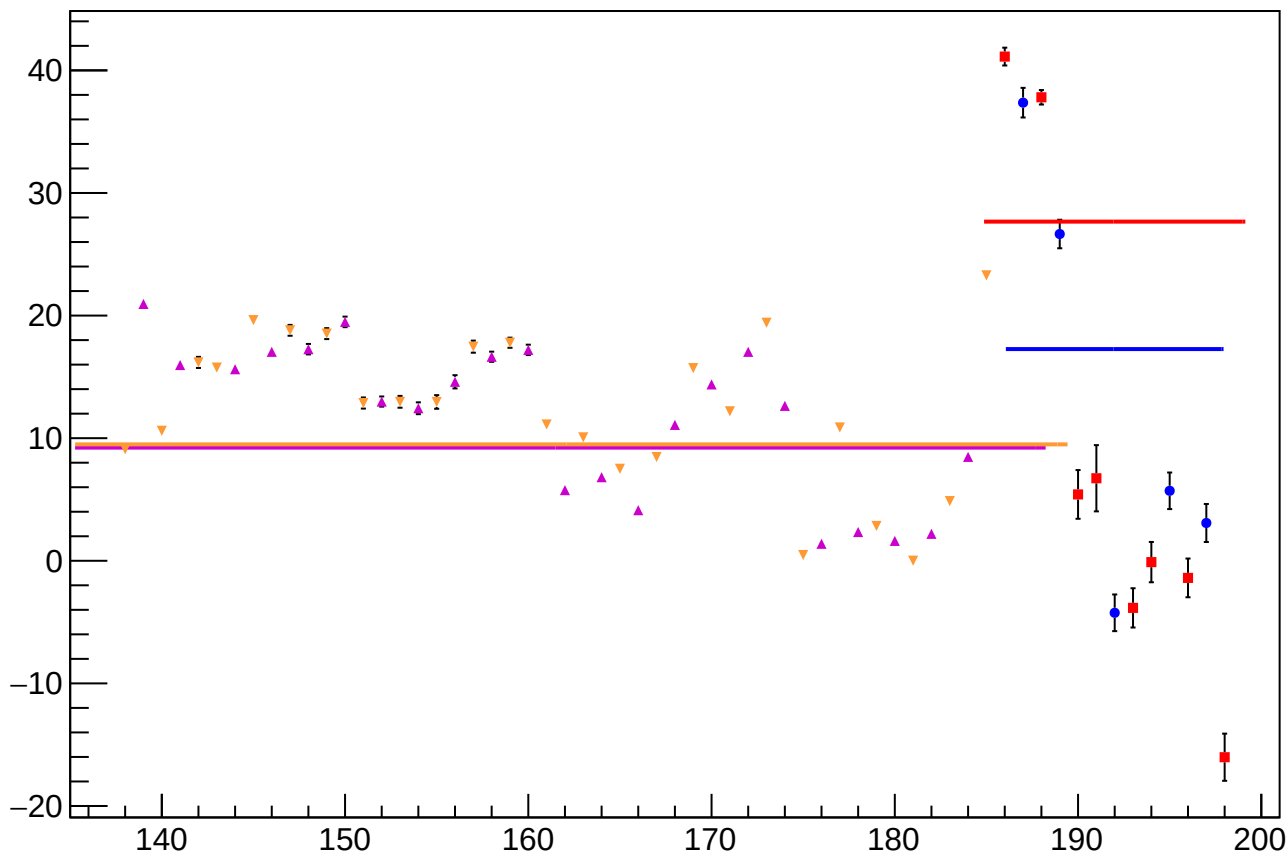
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.219 ± 0.007 χ^2/NDF : 2892.6/46

All: -0.214 ± 0.005 χ^2/NDF : 6169.6/96

- sign -0.208 ± 0.007 χ^2/NDF : 3275.6/49

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 17.268 $\pm$ 0.605 χ^2/NDF : 692.4/4

Left Out: 9.495 $\pm$ 0.061 χ^2/NDF : 12609.1/24

Right Out: 27.664 $\pm$ 0.390 χ^2/NDF : 2350.3/7

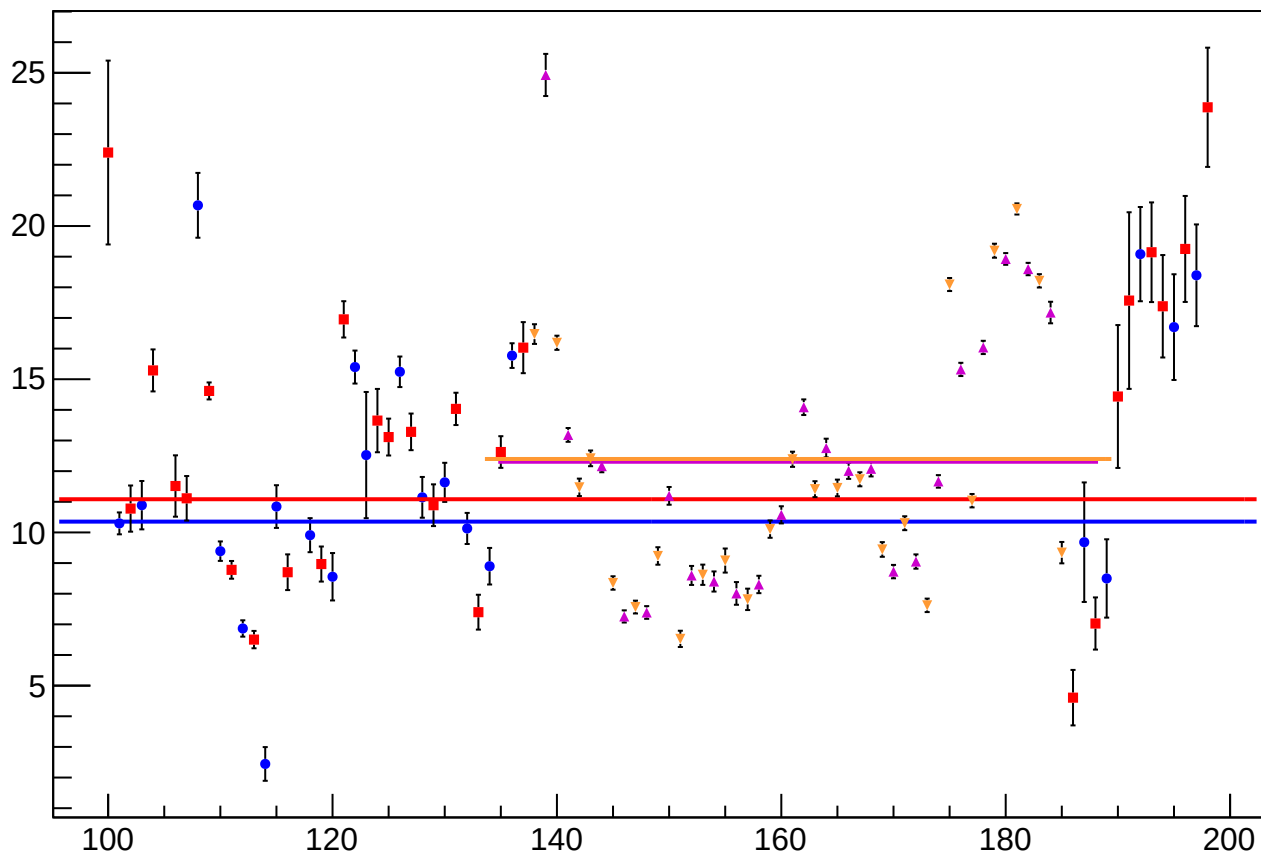
Left In: 9.231 $\pm$ 0.063 χ^2/NDF : 10736.2/22

+ sign 9.574 $\pm$ 0.061 χ^2/NDF : 13465.2/29

All: 9.636 $\pm$ 0.044 χ^2/NDF : 28732.0/60

- sign 9.701 $\pm$ 0.062 χ^2/NDF : 15264.7/30

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.353 $\pm$ 0.118 χ^2 /NDF: 938.3/21

Left Out: 12.397 $\pm$ 0.050 χ^2 /NDF: 7542.8/24

Right Out: 11.083 $\pm$ 0.113 χ^2 /NDF: 1001.9/26

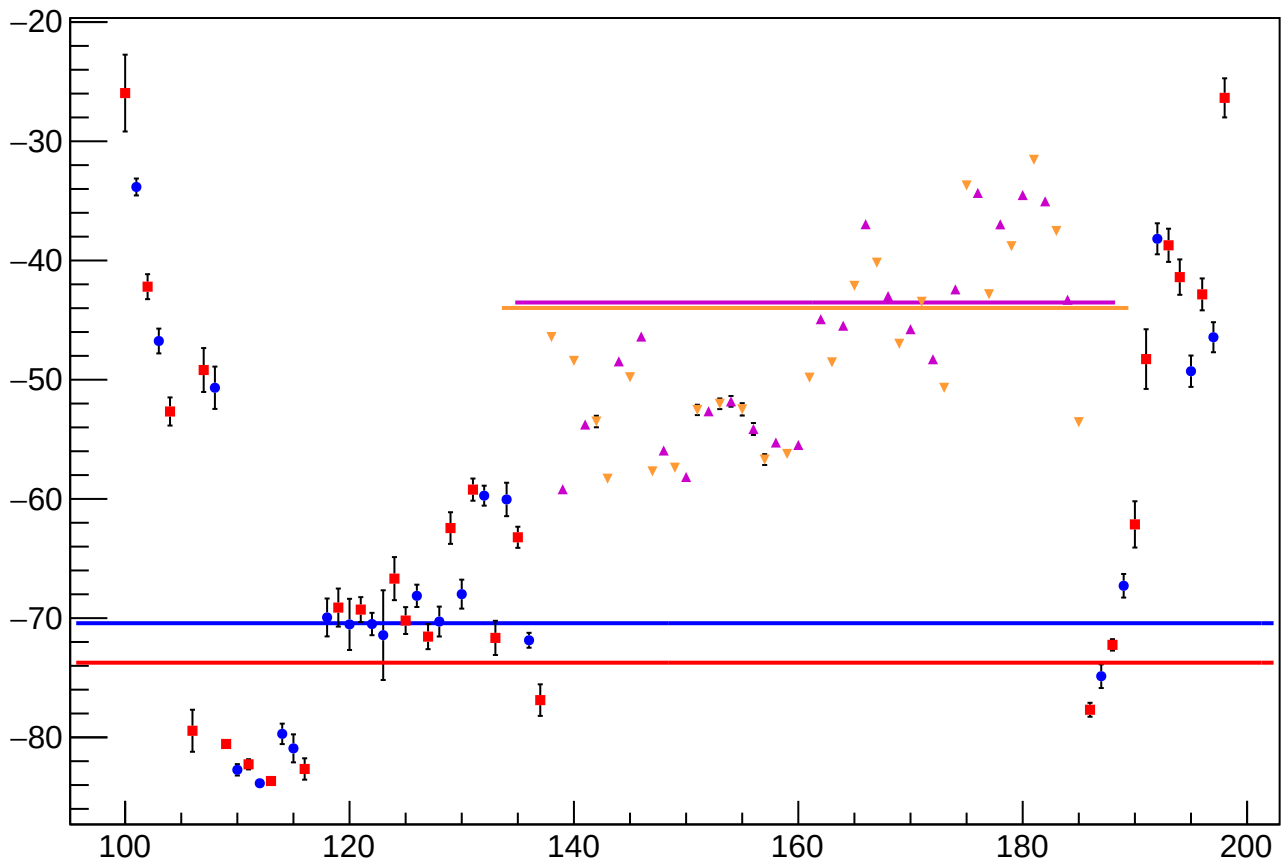
Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

+ sign 12.089 $\pm$ 0.046 χ^2 /NDF: 8736.2/46

All: 12.094 $\pm$ 0.033 χ^2 /NDF: 15436.8/96

- sign 12.099 $\pm$ 0.047 χ^2 /NDF: 6700.6/49

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -70.425 ± 0.185 χ^2/NDF : 6908.3/21

Left Out: -43.982 ± 0.062 χ^2/NDF : 17736.8/24

Right Out: -73.737 ± 0.158 χ^2/NDF : 6288.2/26

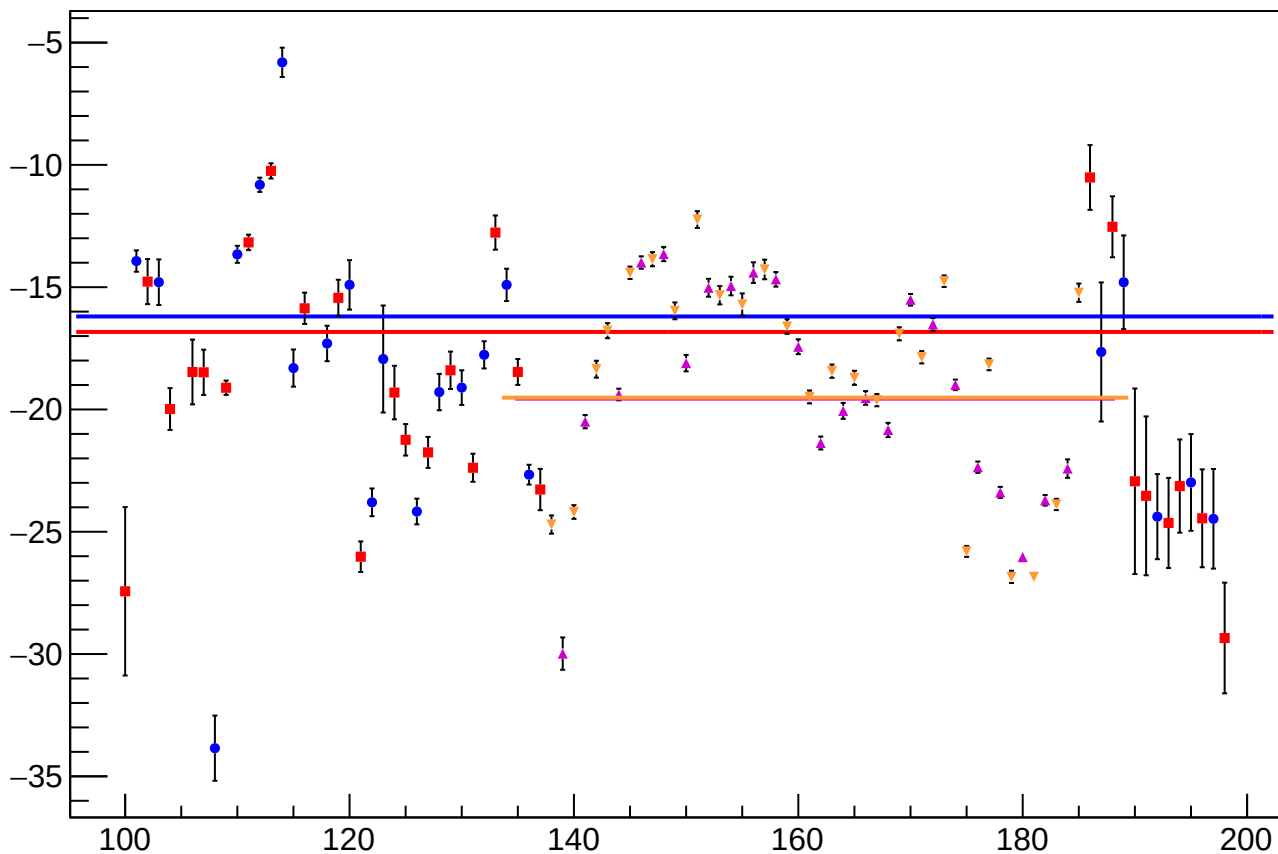
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -46.648 ± 0.059 χ^2/NDF : 43022.8/46

All: -47.178 ± 0.042 χ^2/NDF : 96283.4/96

- sign -47.709 ± 0.059 χ^2/NDF : 53097.4/49

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.197 ± 0.131 χ^2/NDF : 1672.6/21

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -16.830 ± 0.126 χ^2/NDF : 1326.8/26

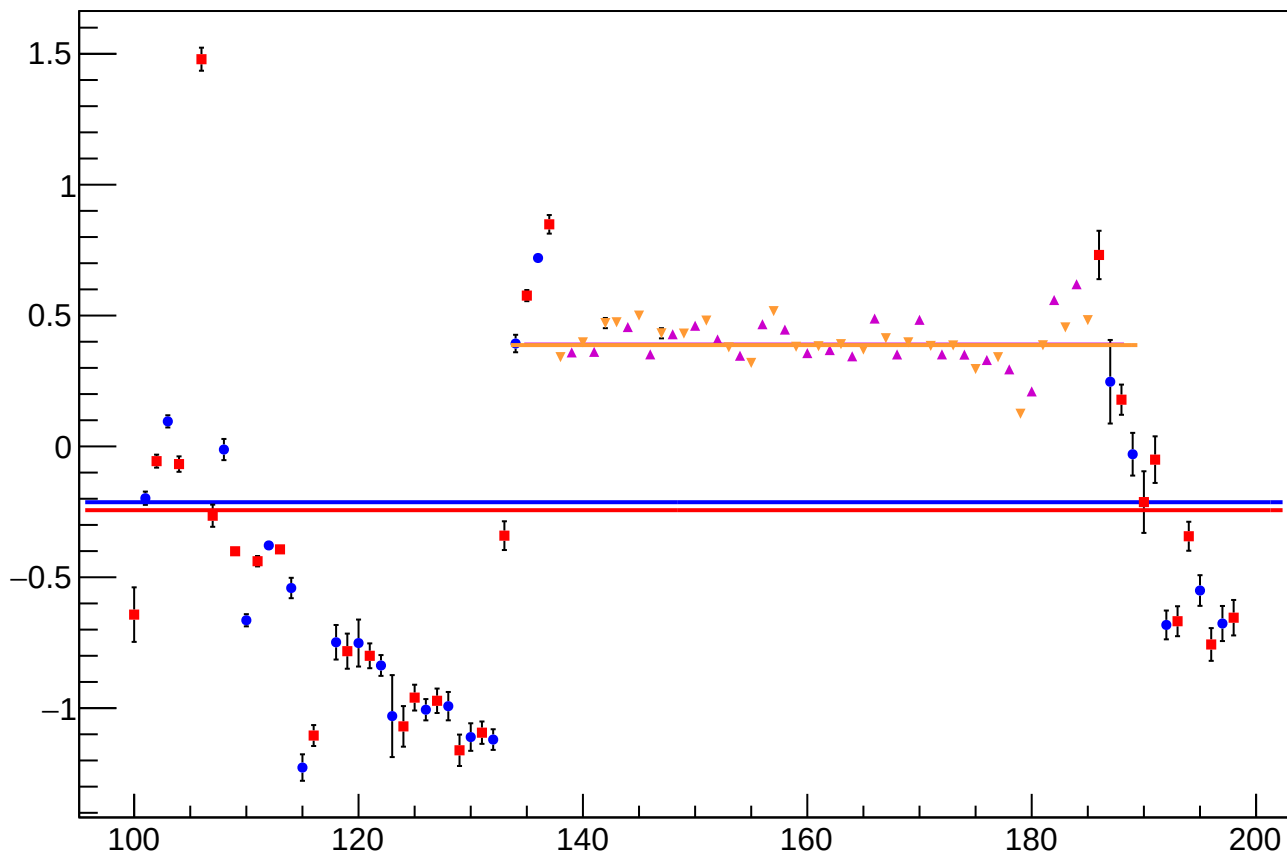
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.011 ± 0.051 χ^2/NDF : 8731.8/46

All: -19.048 ± 0.037 χ^2/NDF : 14758.9/96

- sign -19.087 ± 0.052 χ^2/NDF : 6026.0/49

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.213 ± 0.007 χ^2/NDF : 6488.9/21

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.244 ± 0.007 χ^2/NDF : 6509.2/26

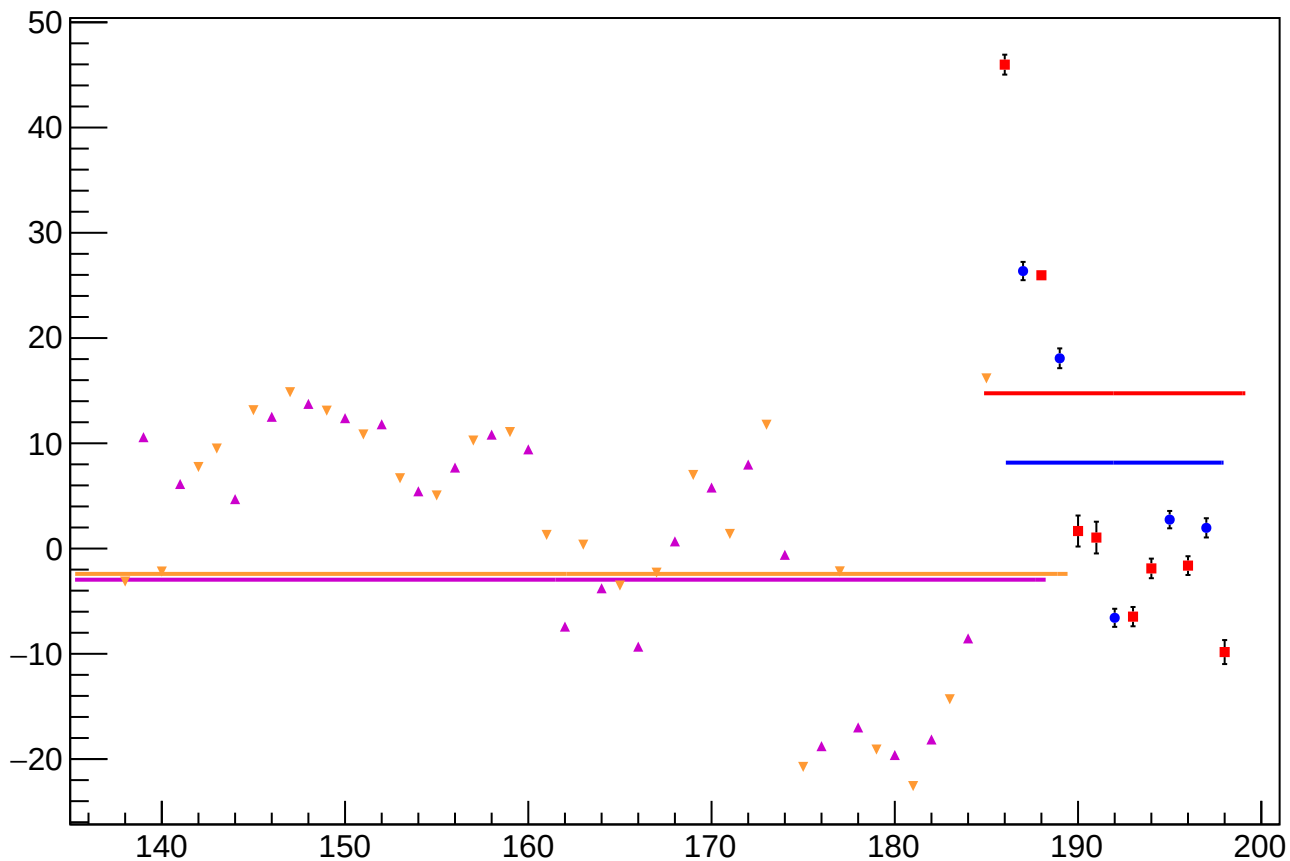
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.322 ± 0.002 χ^2/NDF : 13442.4/46

All: 0.316 ± 0.002 χ^2/NDF : 28602.0/96

- sign 0.309 ± 0.002 χ^2/NDF : 15145.3/49

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 8.163 ± 0.393 $\chi^2/\text{NDF}: 934.9/4$

Left Out: -2.407 ± 0.053 $\chi^2/\text{NDF}: 56368.5/24$

Right Out: 14.752 ± 0.290 $\chi^2/\text{NDF}: 3593.4/7$

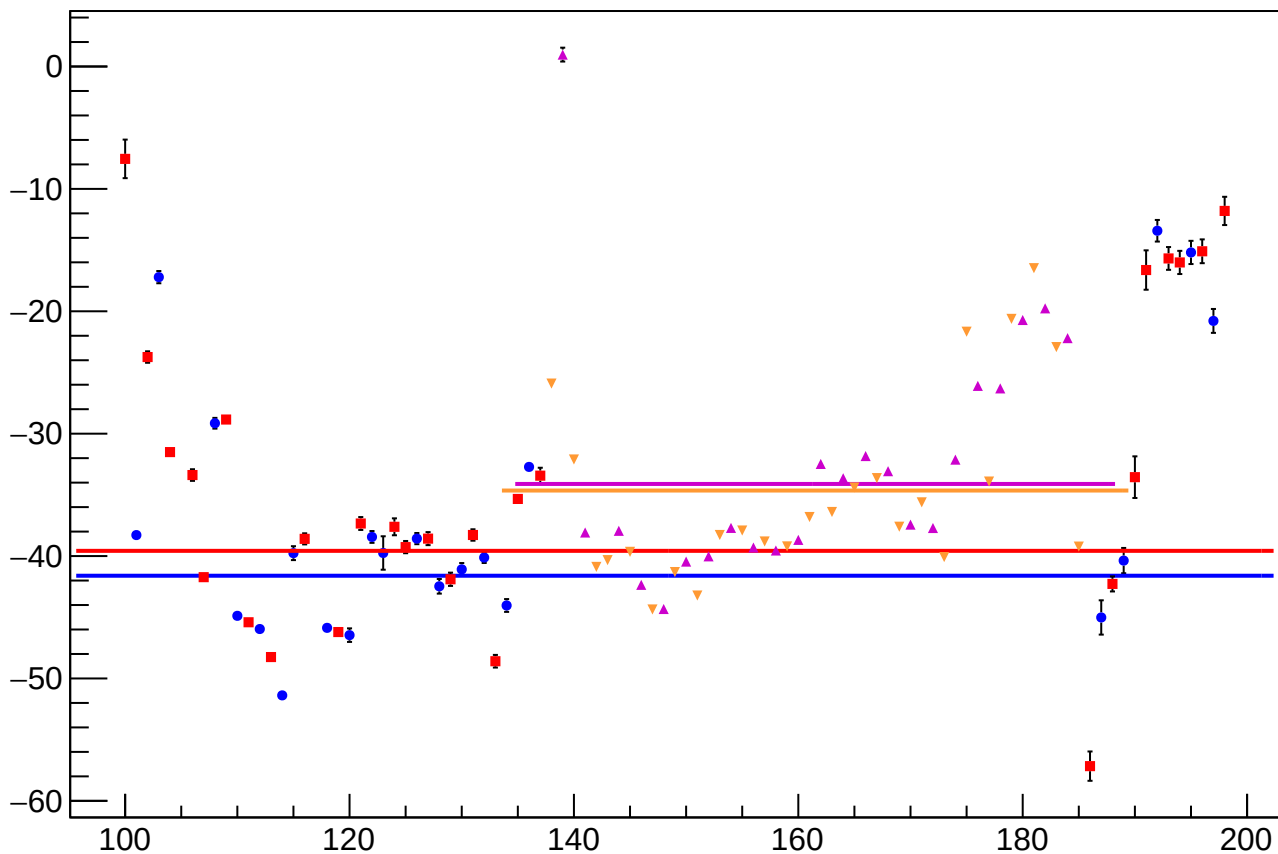
Left In: -2.959 ± 0.055 $\chi^2/\text{NDF}: 45922.6/22$

+ sign -2.219 ± 0.052 $\chi^2/\text{NDF}: 58015.0/29$

All: -2.282 ± 0.038 $\chi^2/\text{NDF}: 111124.8/60$

- sign -2.349 ± 0.054 $\chi^2/\text{NDF}: 53106.8/30$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -41.606 ± 0.077 $\chi^2/\text{NDF}: 8855.5/21$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -39.573 ± 0.071 $\chi^2/\text{NDF}: 14306.5/26$

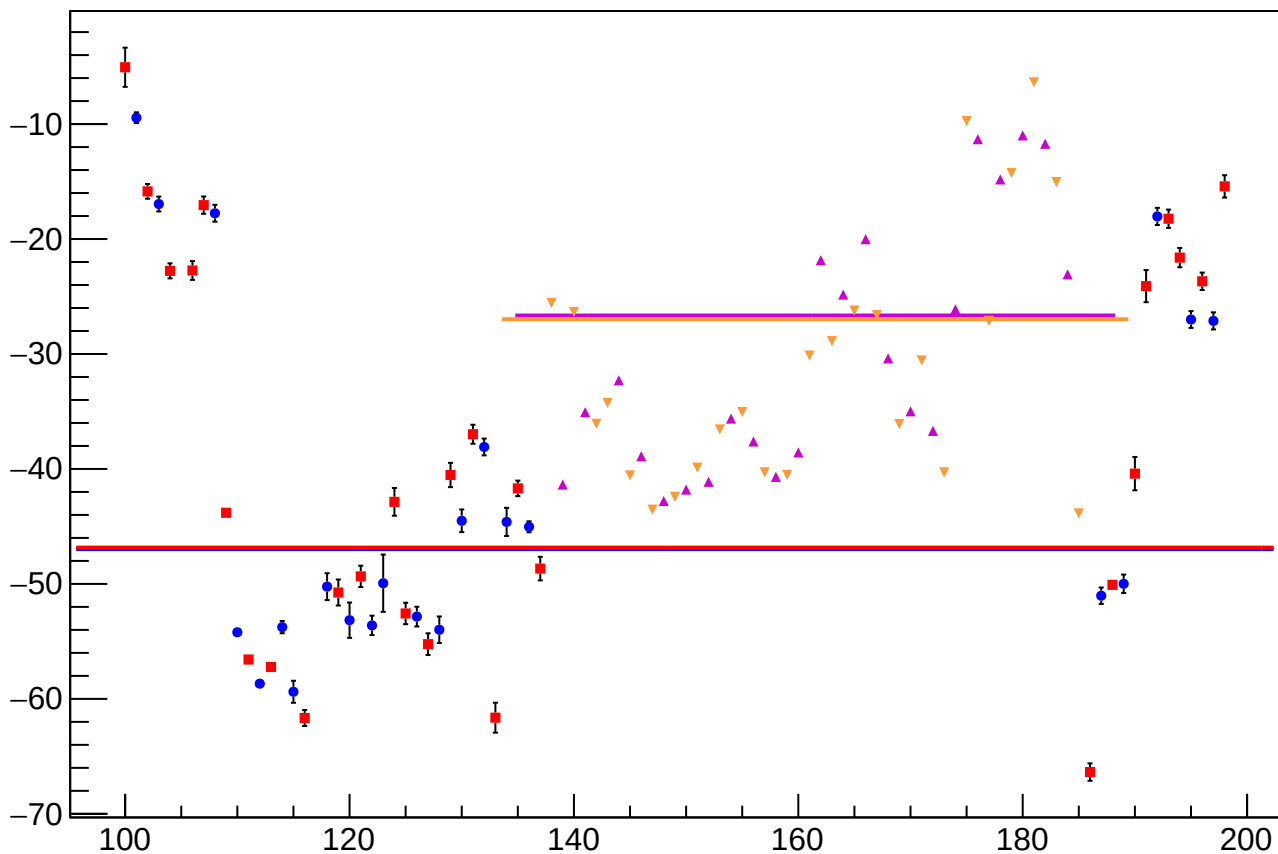
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -36.228 ± 0.037 $\chi^2/\text{NDF}: 49838.9/46$

All: -35.927 ± 0.026 $\chi^2/\text{NDF}: 97593.2/96$

- sign -35.614 ± 0.037 $\chi^2/\text{NDF}: 47617.2/49$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -46.973 ± 0.117 $\chi^2/\text{NDF}: 17868.8/21$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -46.843 ± 0.098 $\chi^2/\text{NDF}: 17072.4/26$

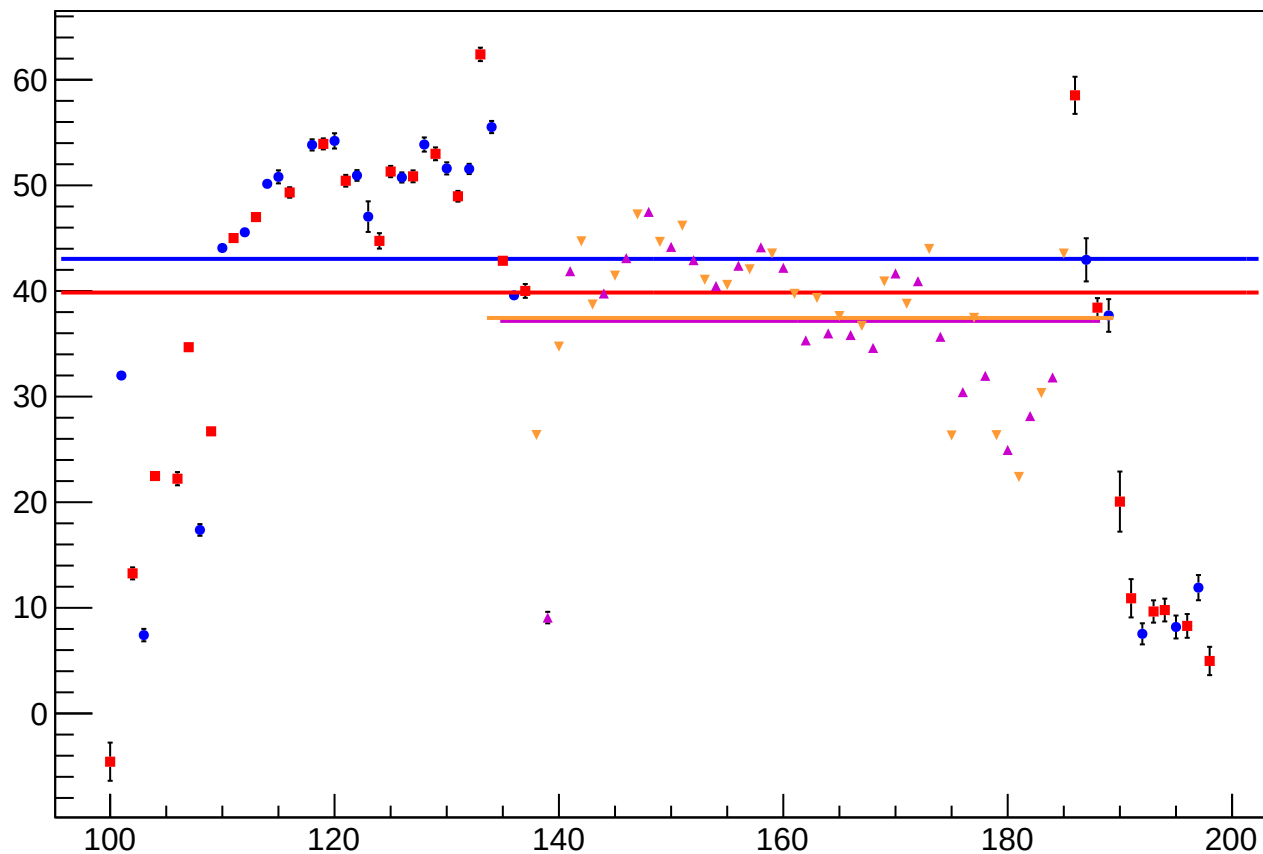
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.407 ± 0.048 $\chi^2/\text{NDF}: 91468.5/46$

All: -30.943 ± 0.034 $\chi^2/\text{NDF}: 183100.5/96$

- sign -31.469 ± 0.048 $\chi^2/\text{NDF}: 91389.4/49$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.040 $\pm$ 0.086 χ^2 /NDF: 13611.0/21

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 39.854 $\pm$ 0.079 χ^2 /NDF: 21126.2/26

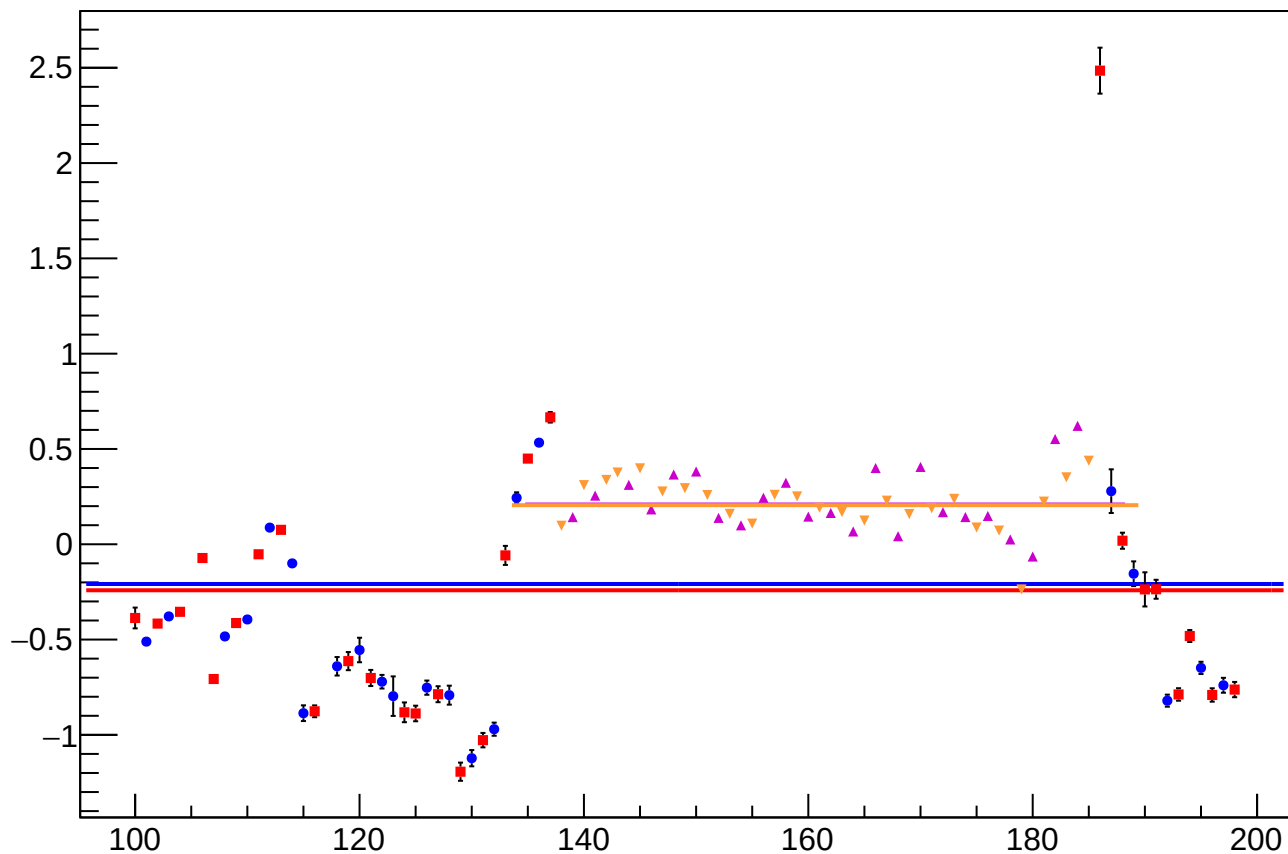
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.740 $\pm$ 0.041 χ^2 /NDF: 38434.3/46

All: 38.335 $\pm$ 0.029 χ^2 /NDF: 77823.2/96

- sign 37.921 $\pm$ 0.042 χ^2 /NDF: 39195.2/49

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.209 ± 0.005 χ^2/NDF : 8162.5/21

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.241 ± 0.004 χ^2/NDF : 8742.8/26

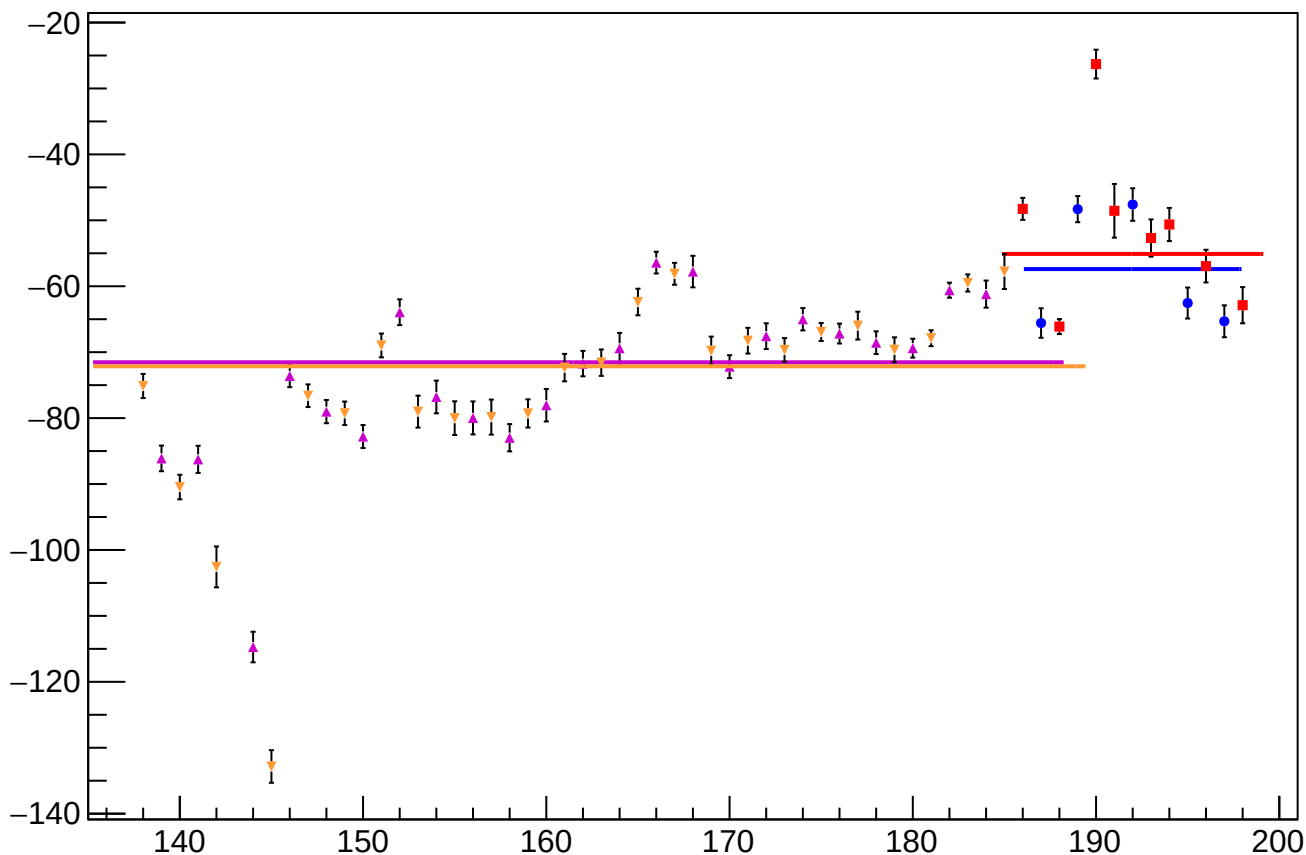
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.132 ± 0.002 χ^2/NDF : 18394.0/46

All: 0.119 ± 0.001 χ^2/NDF : 41459.7/96

- sign 0.106 ± 0.002 χ^2/NDF : 22979.5/49

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -57.395 ± 1.016 χ^2/NDF : 65.6/4

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -55.098 ± 0.710 χ^2/NDF : 299.7/7

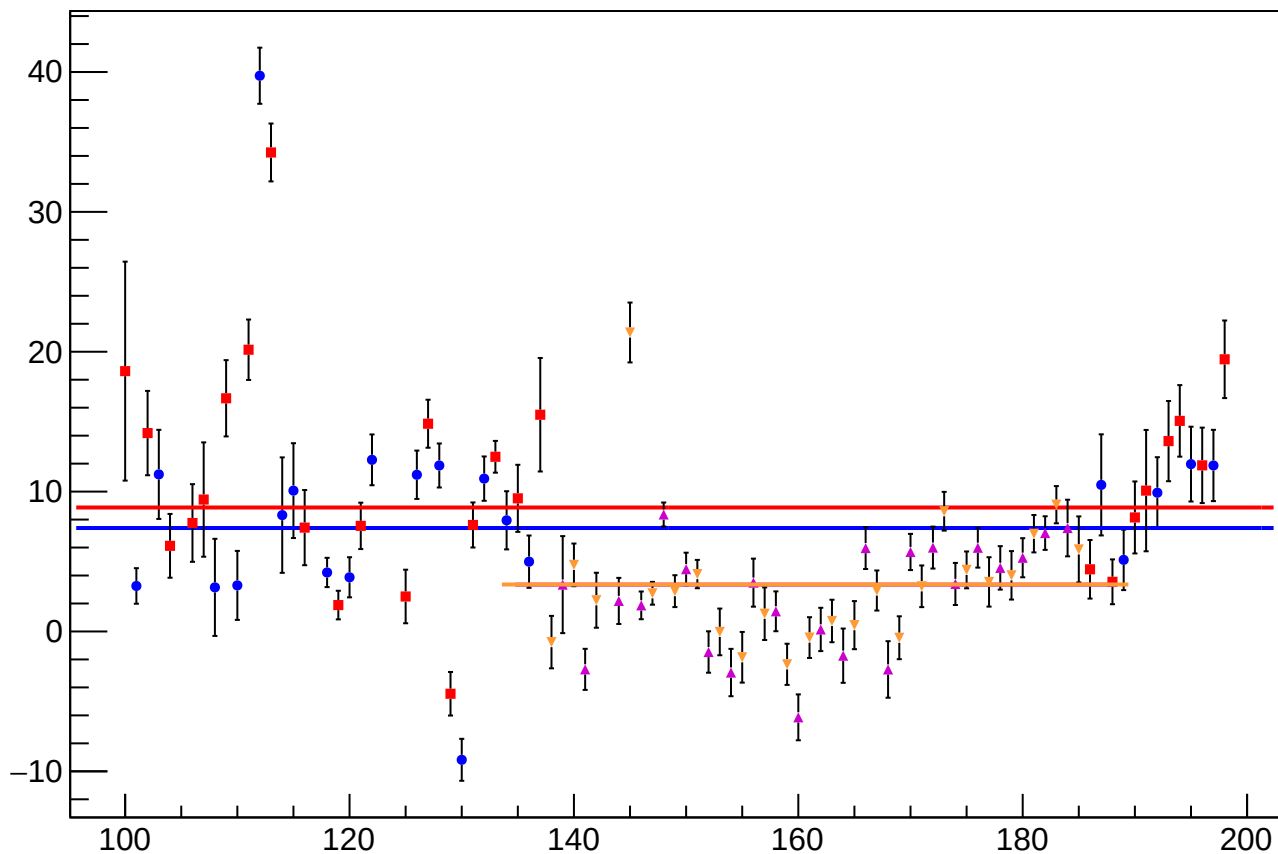
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -70.304 ± 0.358 χ^2/NDF : 1371.3/28

All: -68.997 ± 0.245 χ^2/NDF : 2963.6/59

- sign -67.846 ± 0.336 χ^2/NDF : 1567.2/30

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.396 $\pm$ 0.412 χ^2/NDF : 449.7/20

Left Out: 3.357 $\pm$ 0.295 χ^2/NDF :167.7/23

Right Out: 8.864 $\pm$ 0.397 χ^2/NDF : 389.7/25

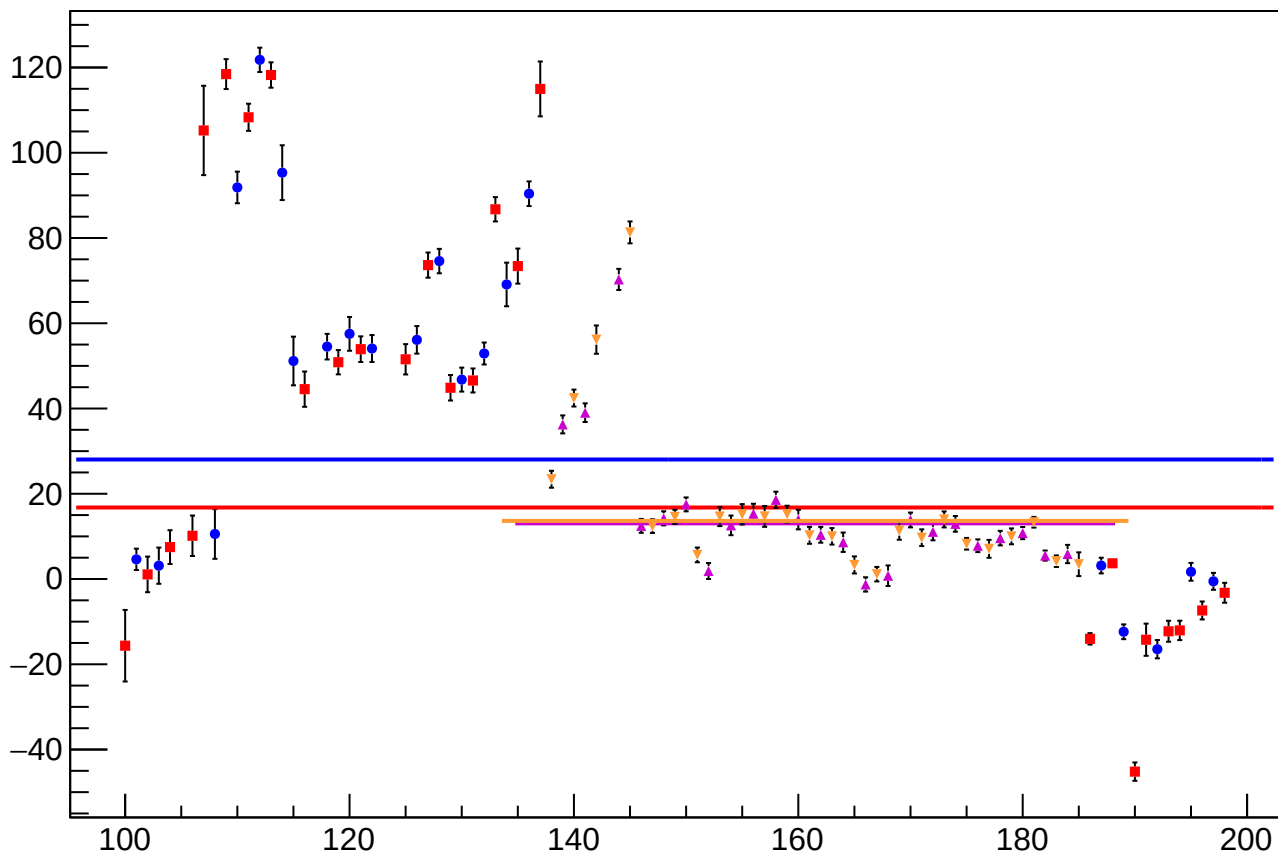
Left In: 3.349 $\pm$ 0.298 χ^2/NDF :163.5/22

+ sign 4.726 $\pm$ 0.240 χ^2/NDF : 681.0/44

All: 5.032 $\pm$ 0.169 χ^2/NDF : 1360.7/93

- sign 5.336 $\pm$ 0.239 χ^2/NDF : 676.4/48

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 28.035 ± 0.603 χ^2/NDF : 4363.5/20

Left Out: 13.632 ± 0.382 χ^2/NDF : 1300.0/23

Right Out: 16.772 ± 0.488 χ^2/NDF : 7102.8/25

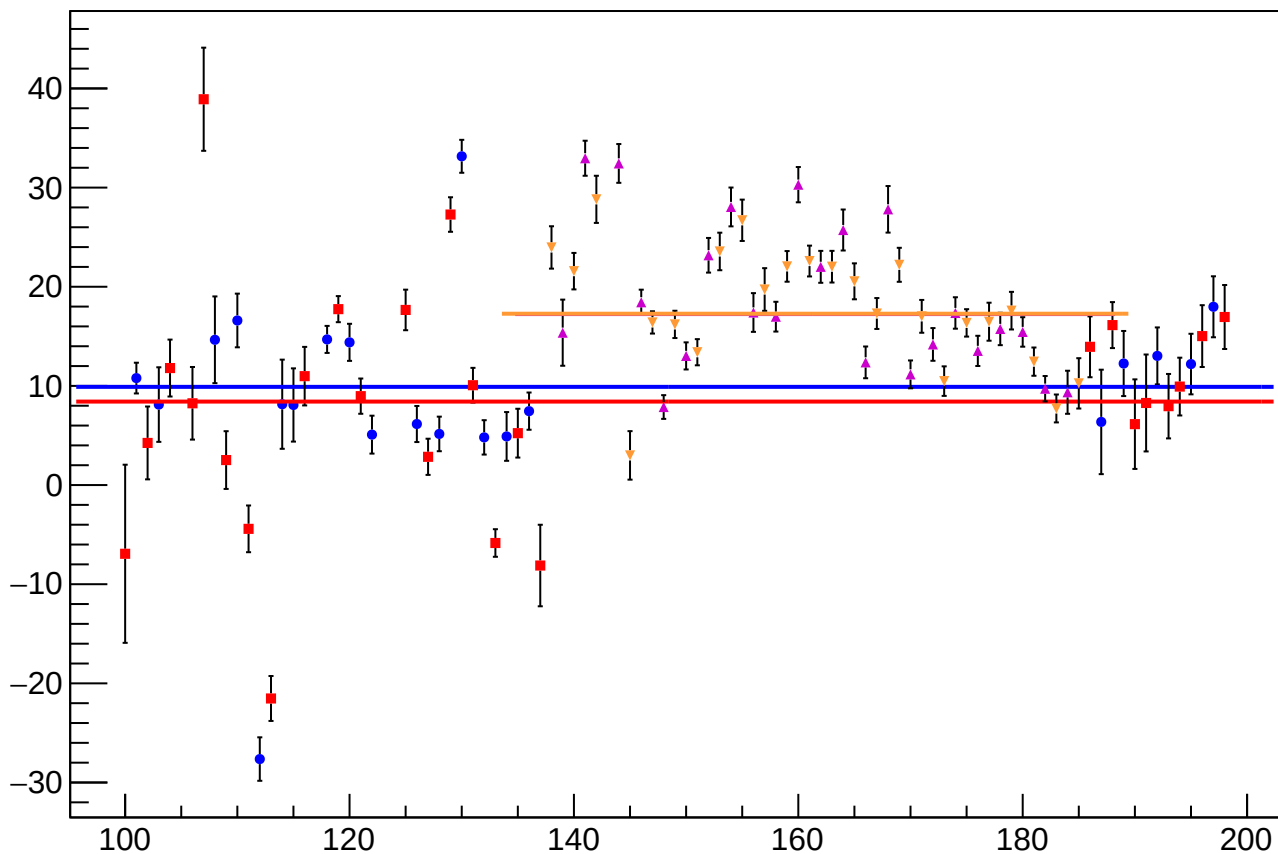
Left In: 13.058 ± 0.380 χ^2/NDF : 1024.7/22

+ sign 17.755 ± 0.323 χ^2/NDF : 6070.9/44

All: 15.986 ± 0.220 χ^2/NDF : 14290.6/93

- sign 14.460 ± 0.300 χ^2/NDF : 8163.6/48

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.904 ± 0.480 $\chi^2/\text{NDF}: 557.5/20$

Left Out: 17.280 ± 0.337 $\chi^2/\text{NDF}: 243.9/23$

Right Out: 8.419 ± 0.469 $\chi^2/\text{NDF}: 596.5/25$

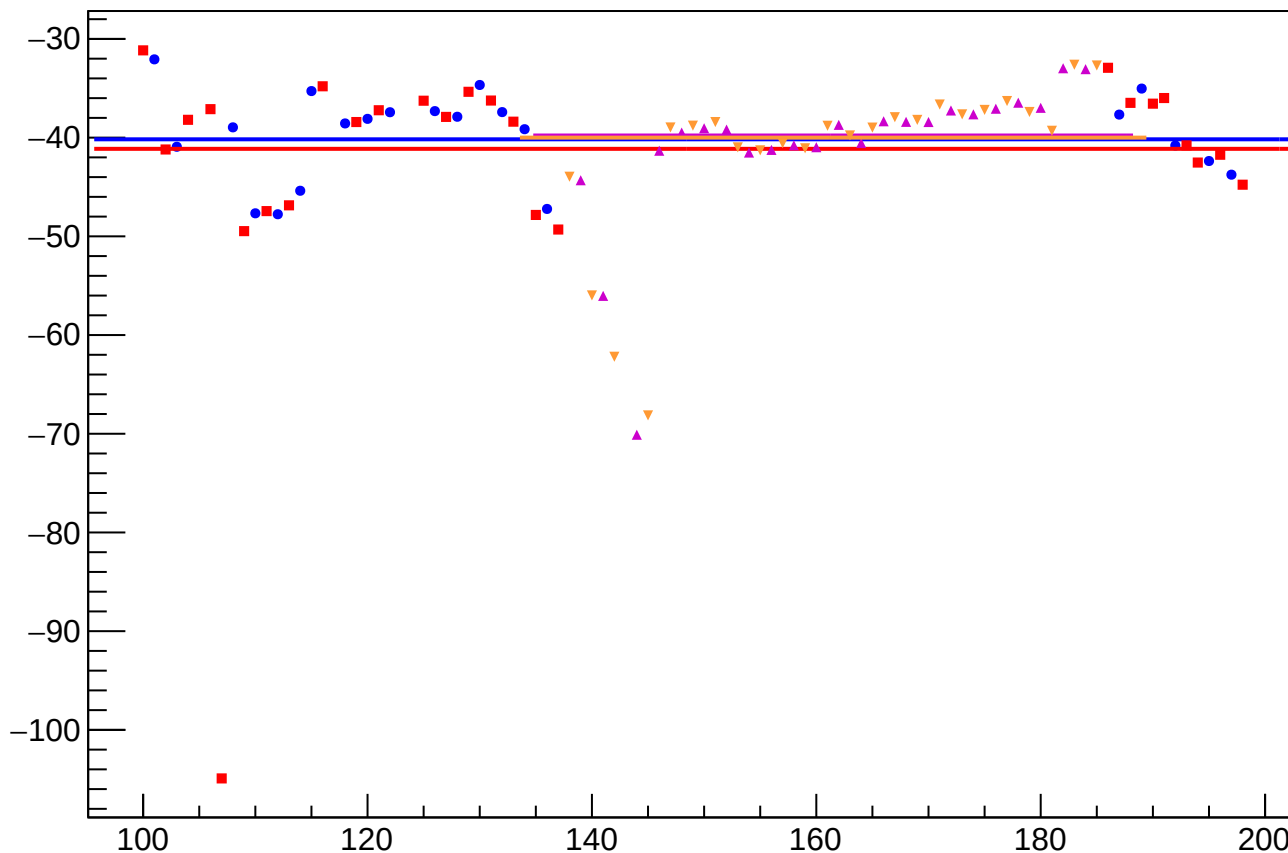
Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

+ sign 14.843 ± 0.276 $\chi^2/\text{NDF}: 959.5/44$

All: 14.525 ± 0.195 $\chi^2/\text{NDF}: 2232.1/93$

- sign 14.209 ± 0.275 $\chi^2/\text{NDF}: 1270.0/48$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.170 ± 0.026 $\chi^2/\text{NDF}: 29794.0/20$

Left Out: -39.999 ± 0.016 $\chi^2/\text{NDF}: 172263.8/23$

Right Out: -41.135 ± 0.024 $\chi^2/\text{NDF}: 102435.7/25$

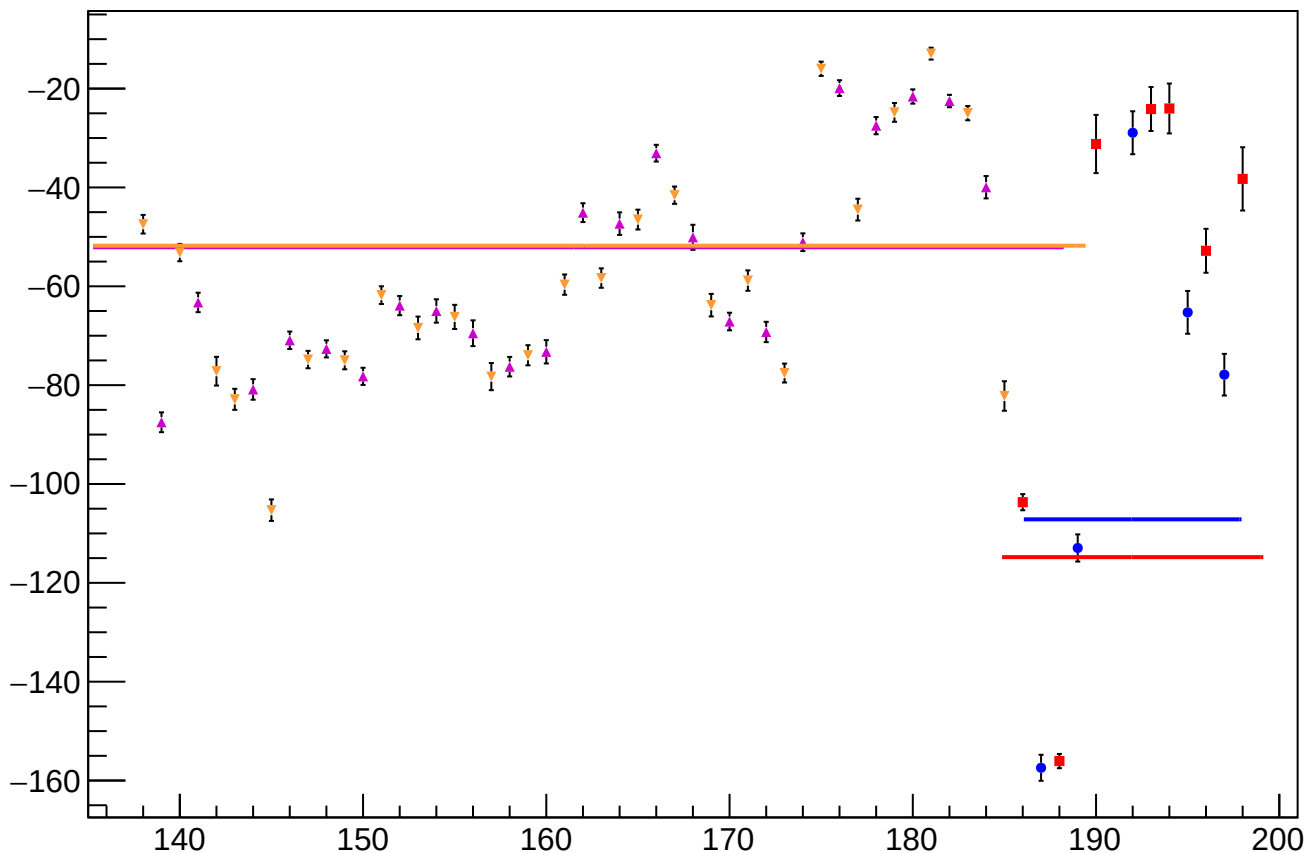
Left In: -39.785 ± 0.016 $\chi^2/\text{NDF}: 144494.5/22$

+ sign -40.044 ± 0.014 $\chi^2/\text{NDF}: 202088.7/44$

All: -40.115 ± 0.009 $\chi^2/\text{NDF}: 451258.4/93$

- sign -40.181 ± 0.013 $\chi^2/\text{NDF}: 249117.1/48$

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -107.155 ± 1.509 $\chi^2/\text{NDF}: 835.1/4$

Left Out: -51.787 ± 0.383 $\chi^2/\text{NDF}: 4164.8/24$

Right Out: -114.797 ± 0.977 $\chi^2/\text{NDF}: 2139.5/6$

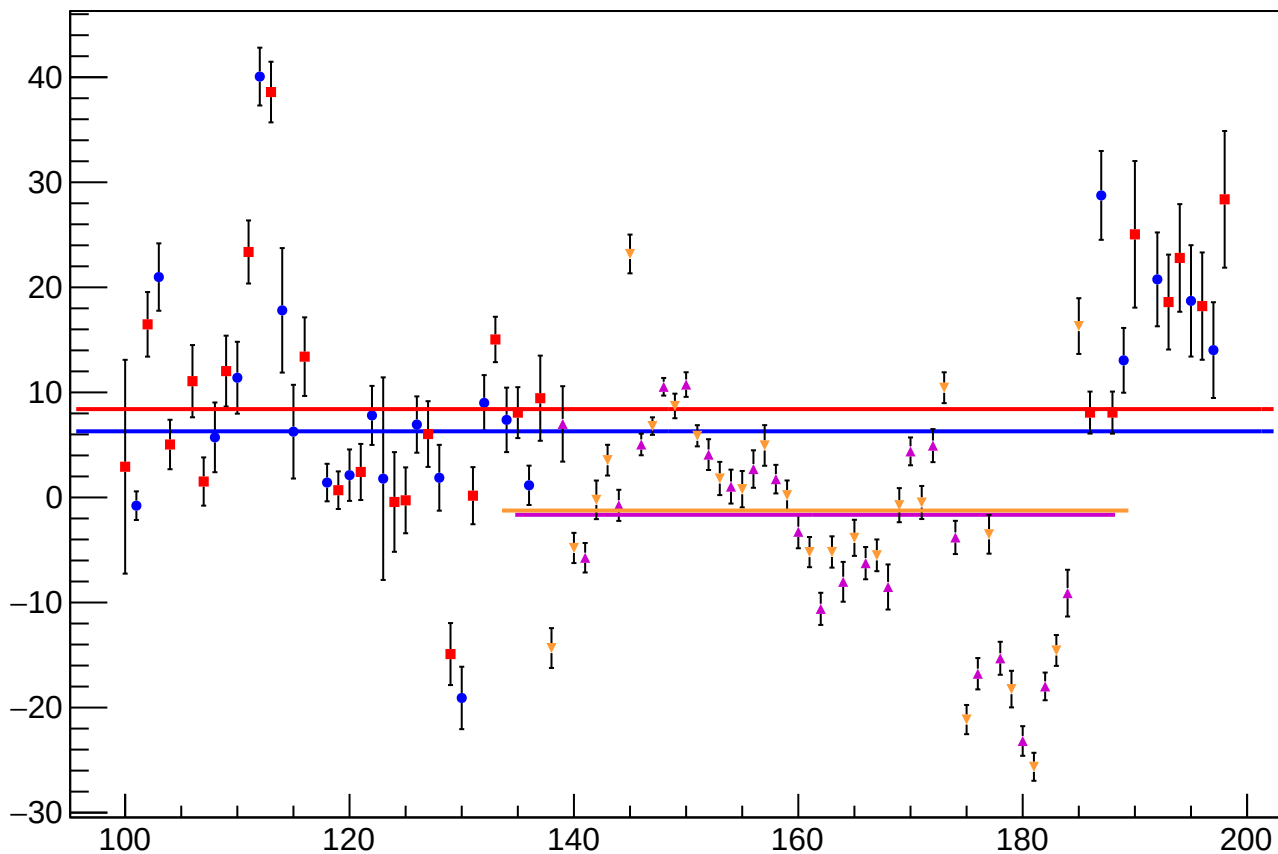
Left In: -52.104 ± 0.389 $\chi^2/\text{NDF}: 3280.2/22$

+ sign -55.132 ± 0.371 $\chi^2/\text{NDF}: 6265.1/29$

All: -57.976 ± 0.259 $\chi^2/\text{NDF}: 15355.2/59$

- sign -60.672 ± 0.361 $\chi^2/\text{NDF}: 8975.6/29$

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 6.297 ± 0.595 $\chi^2/\text{NDF}: 351.0/21$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 8.411 ± 0.575 $\chi^2/\text{NDF}: 304.2/25$

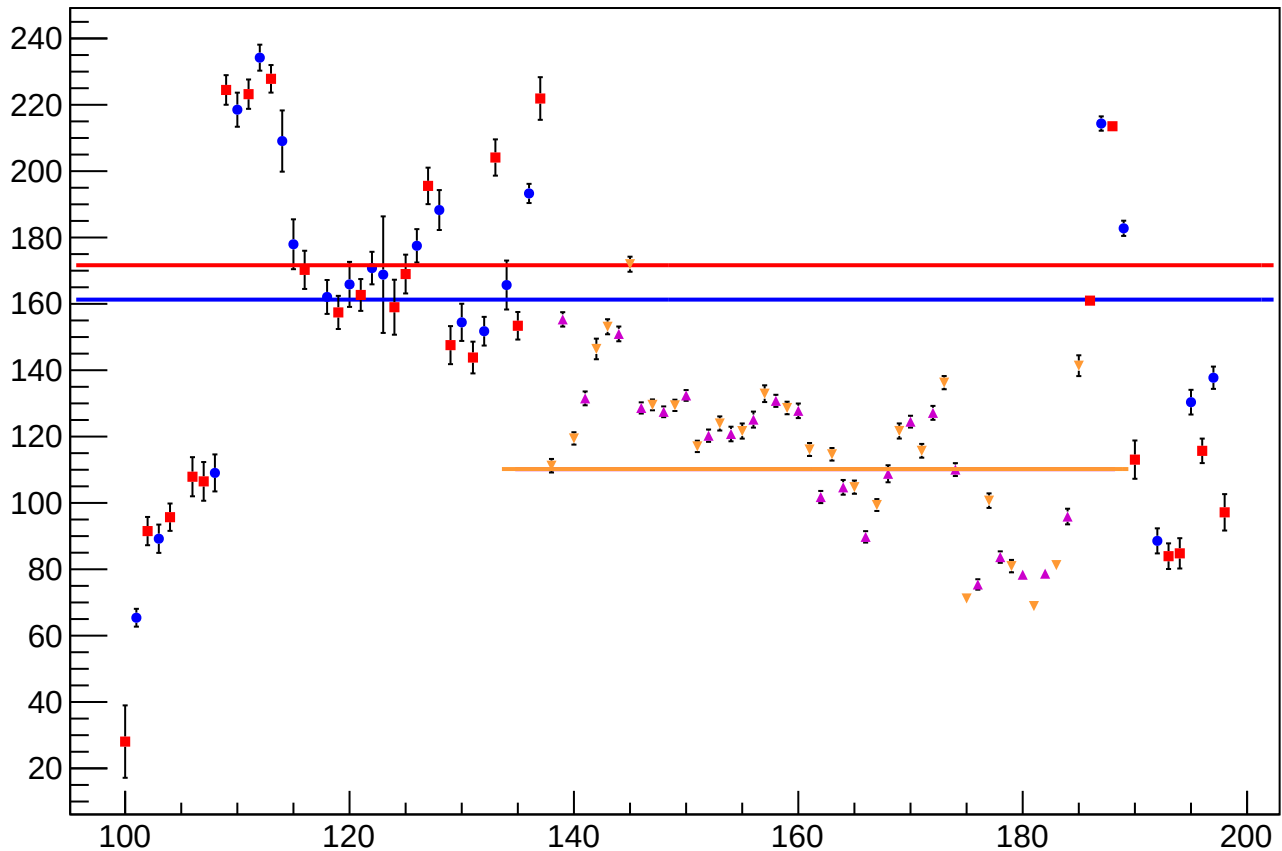
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.217 ± 0.262 $\chi^2/\text{NDF}: 1803.2/46$

All: 0.359 ± 0.187 $\chi^2/\text{NDF}: 3441.0/95$

- sign 0.506 ± 0.266 $\chi^2/\text{NDF}: 1637.1/48$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 161.282 ± 0.849 $\chi^2/\text{NDF}: 3493.9/21$

Left Out: 110.213 ± 0.382 $\chi^2/\text{NDF}: 4593.7/24$

Right Out: 171.644 ± 0.659 $\chi^2/\text{NDF}: 4529.0/25$

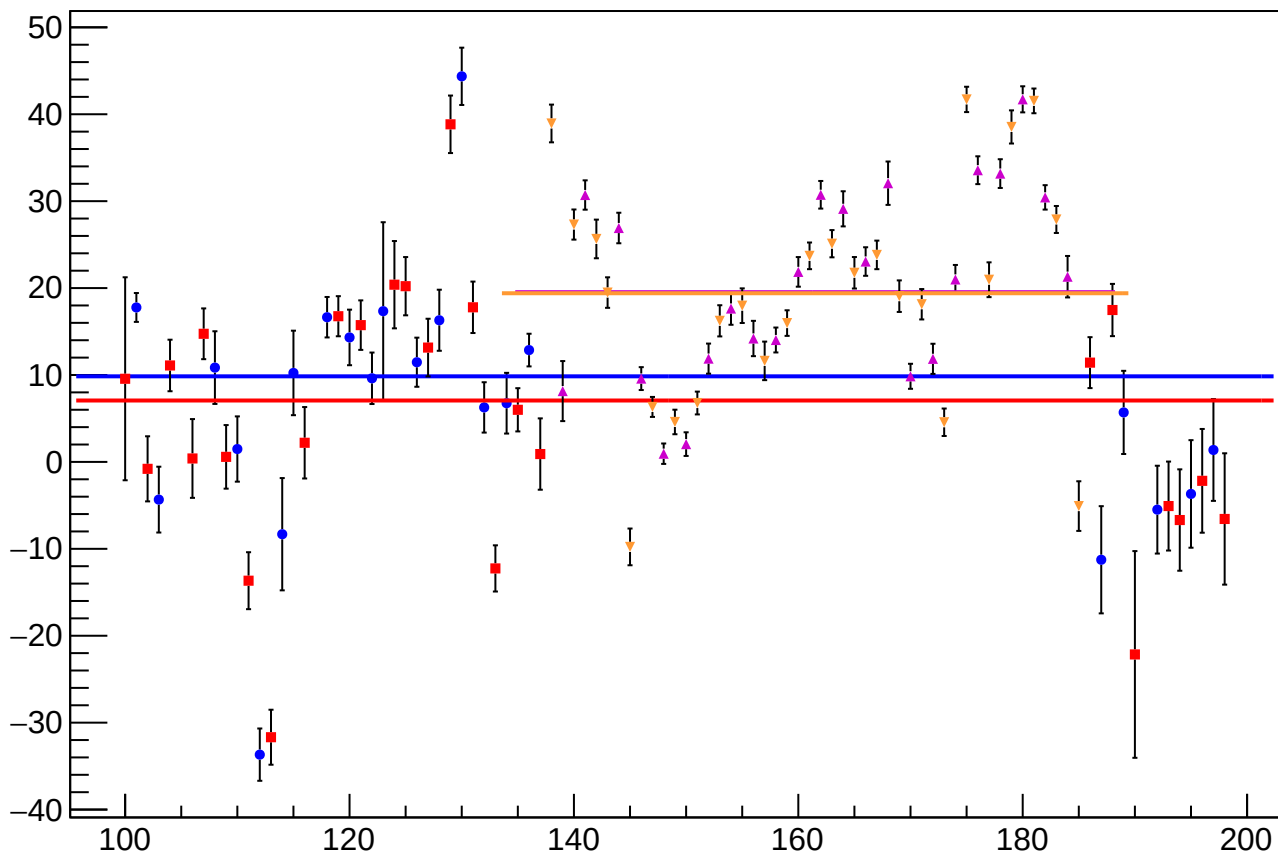
Left In: 110.171 ± 0.386 $\chi^2/\text{NDF}: 3702.6/22$

+ sign 118.819 ± 0.348 $\chi^2/\text{NDF}: 11098.8/46$

All: 122.500 ± 0.241 $\chi^2/\text{NDF}: 26019.8/95$

- sign 125.865 ± 0.333 $\chi^2/\text{NDF}: 14707.2/48$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 9.846 $\pm$ 0.692 χ^2/NDF : 416.8/21

Left Out: 19.405 $\pm$ 0.335 χ^2/NDF :1453.4/24

Right Out: 7.065 $\pm$ 0.685 χ^2/NDF : 460.4/25

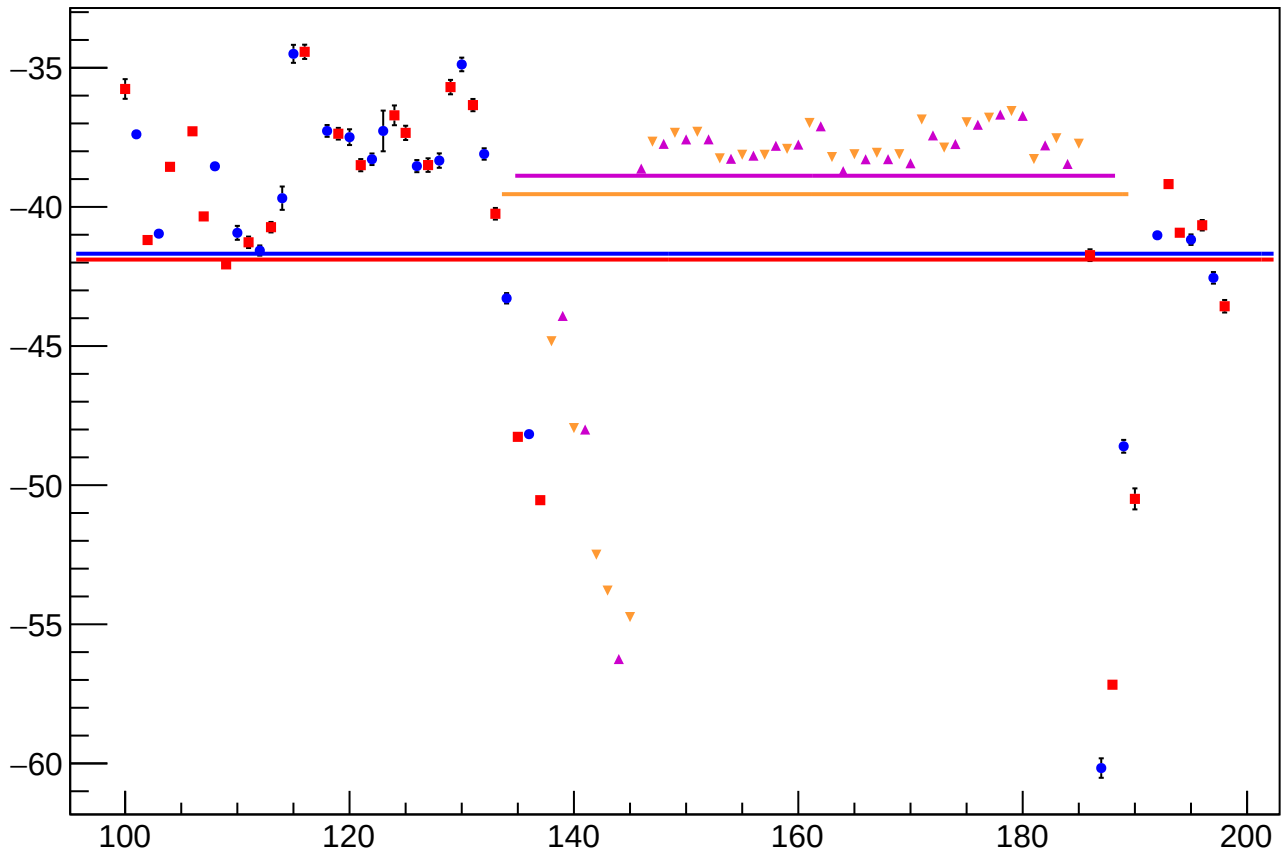
Left In: 19.530 $\pm$ 0.342 χ^2/NDF :1181.3/22

+ sign 17.592 $\pm$ 0.301 χ^2/NDF : 2024.9/46

All: 17.319 $\pm$ 0.215 χ^2/NDF : 3933.3/95

- sign 17.037 $\pm$ 0.306 χ^2/NDF : 1906.7/48

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.682 ± 0.036 $\chi^2/\text{NDF}: 16334.0/21$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.892 ± 0.034 $\chi^2/\text{NDF}: 22615.1/25$

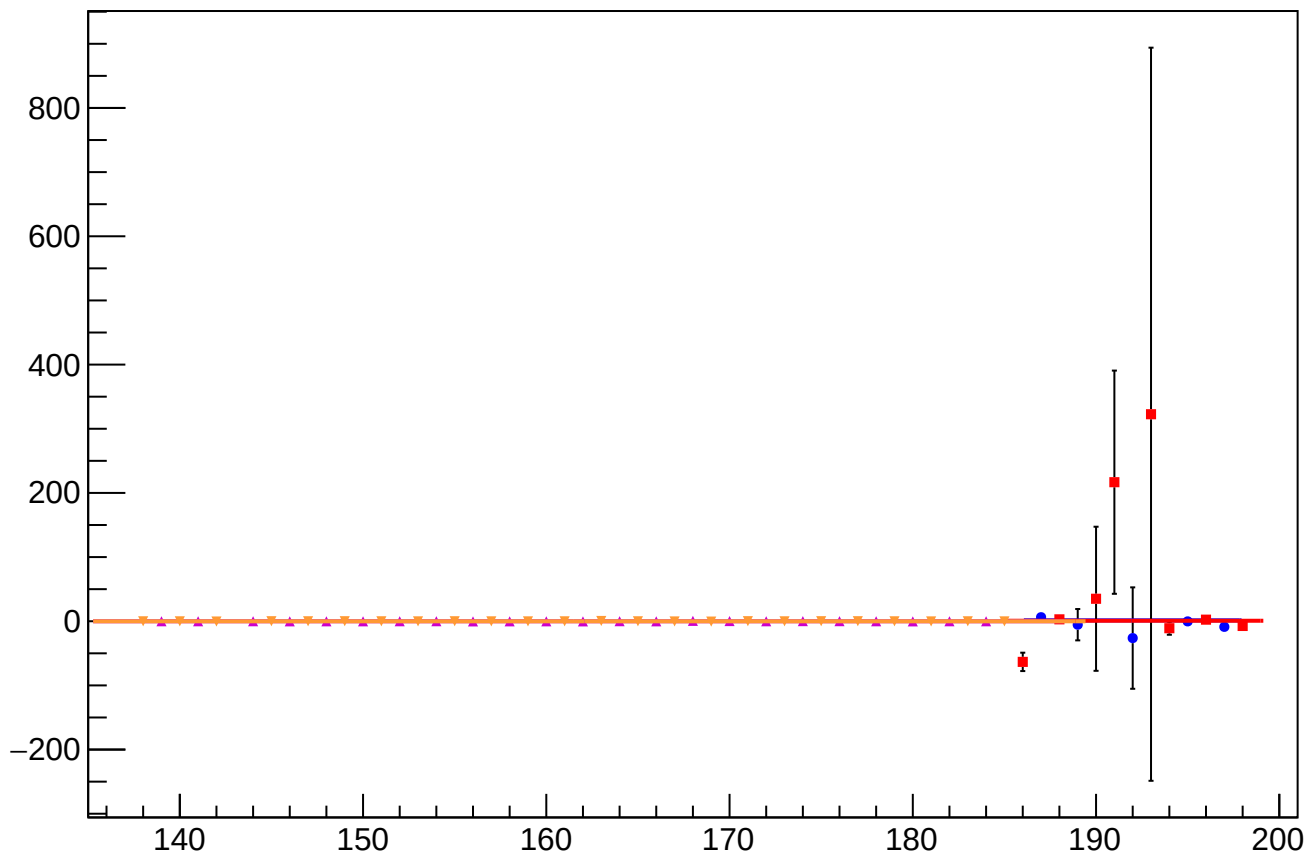
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.891 ± 0.014 $\chi^2/\text{NDF}: 111374.7/46$

All: -39.653 ± 0.010 $\chi^2/\text{NDF}: 194354.5/95$

- sign -39.415 ± 0.014 $\chi^2/\text{NDF}: 82433.8/48$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.398 ± 2.238 χ^2/NDF : 7.6/4

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: 0.769 ± 1.716 χ^2/NDF : 26.5/7

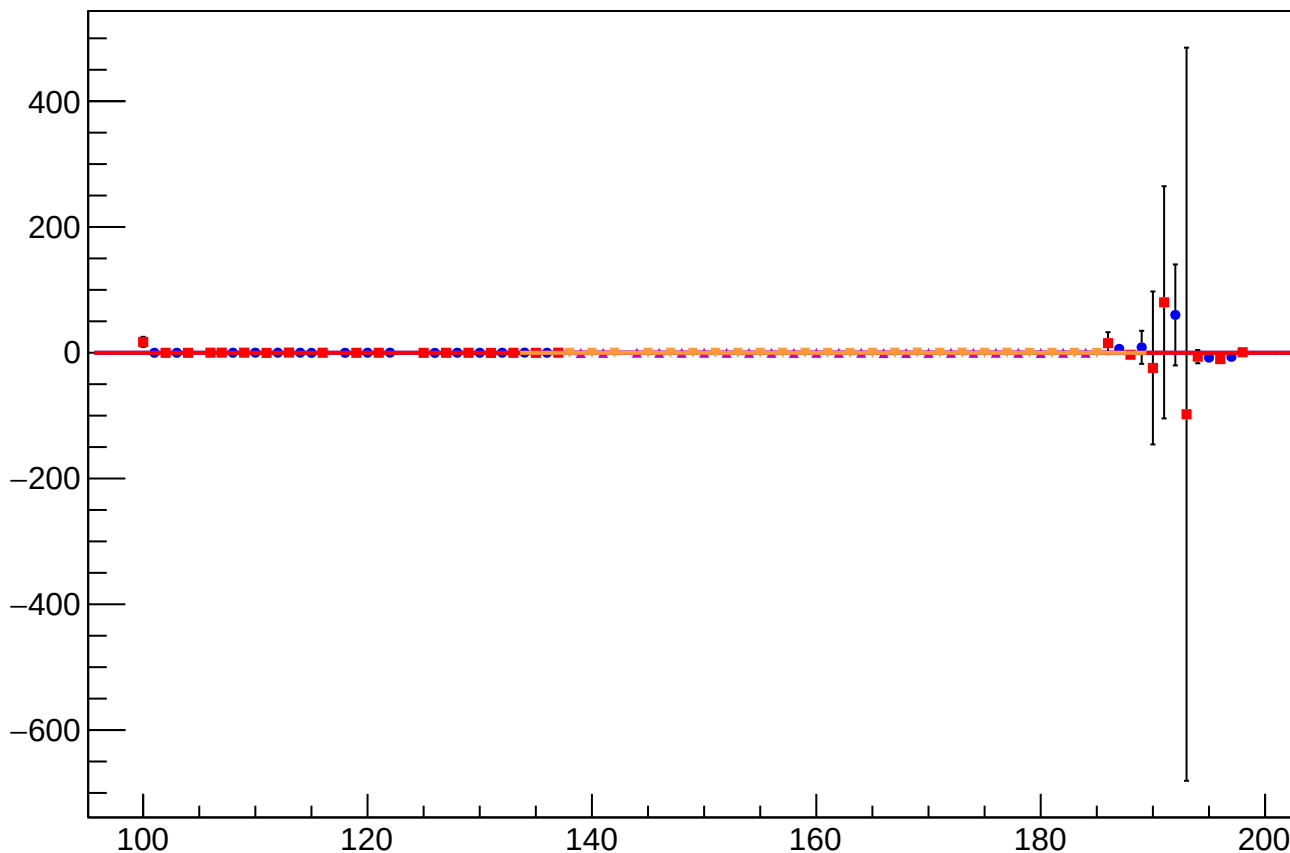
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 47.8/28

All: -0.057 ± 0.016 χ^2/NDF : 111.8/59

- sign -0.025 ± 0.022 χ^2/NDF : 60.0/30

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 18.3/20

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.051 ± 0.029 χ^2/NDF : 30.8/25

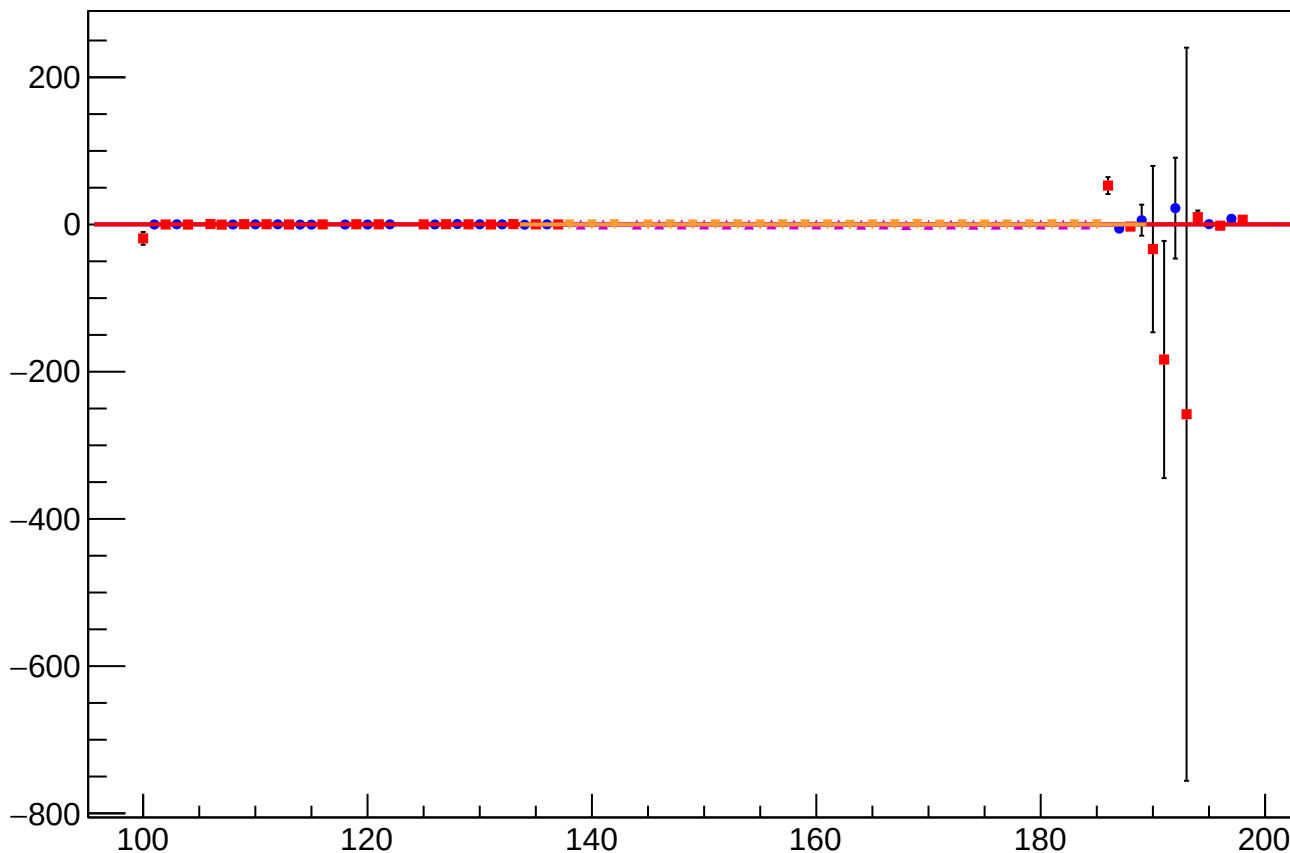
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 49.8/44

All: -0.056 ± 0.011 χ^2/NDF : 112.4/93

- sign -0.052 ± 0.015 χ^2/NDF : 62.5/48

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.173 ± 0.053 $\chi^2/\text{NDF}: 22.1/20$

Left Out: 0.081 ± 0.022 $\chi^2/\text{NDF}: 38.4/23$

Right Out: 0.234 ± 0.054 $\chi^2/\text{NDF}: 50.9/25$

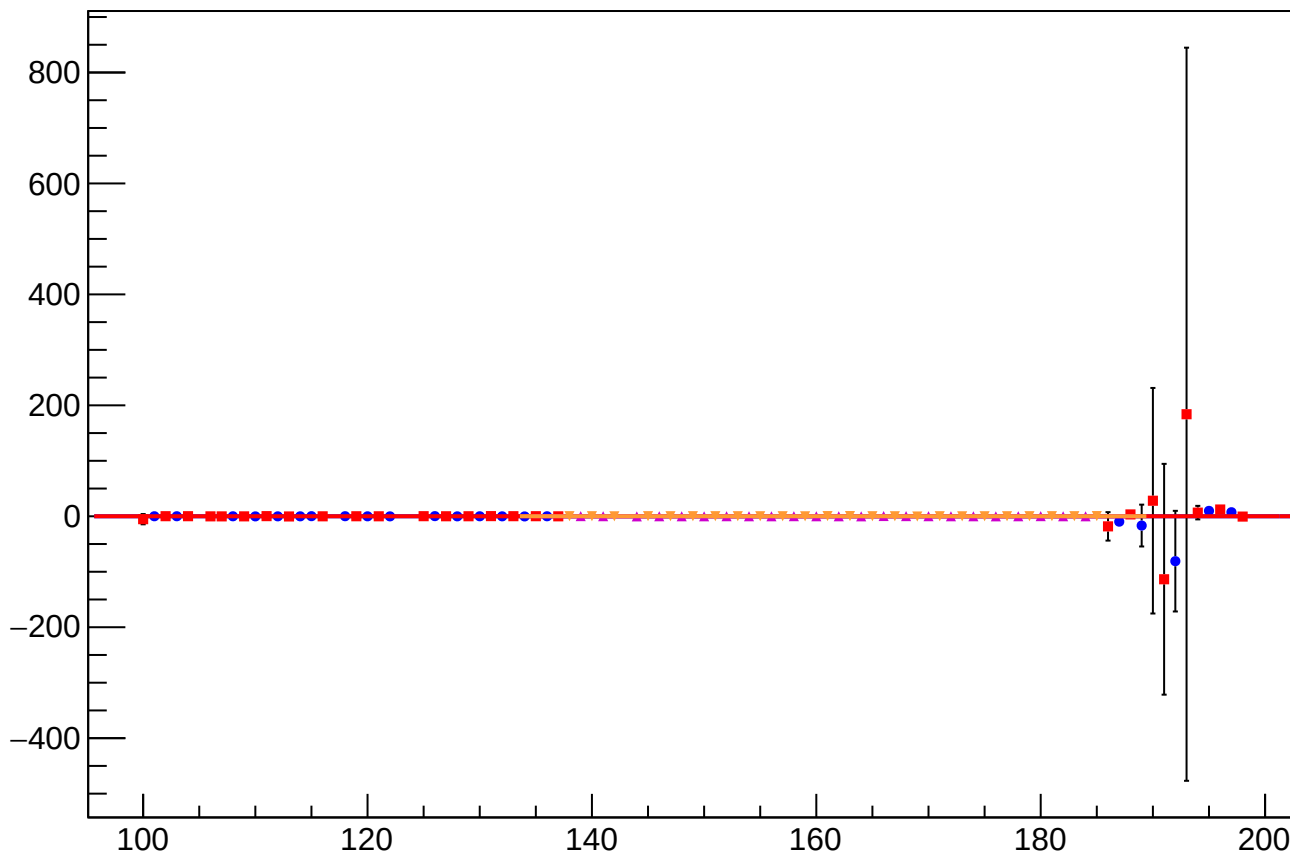
Left In: 0.020 ± 0.022 $\chi^2/\text{NDF}: 35.6/22$

+ sign 0.095 ± 0.020 $\chi^2/\text{NDF}: 63.0/44$

All: 0.073 ± 0.014 $\chi^2/\text{NDF}: 165.3/93$

- sign 0.051 ± 0.021 $\chi^2/\text{NDF}: 99.9/48$

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.006 ± 0.033 $\chi^2/\text{NDF}: 20.3/20$

Left Out: 0.105 ± 0.020 $\chi^2/\text{NDF}: 29.5/23$

Right Out: 0.057 ± 0.034 $\chi^2/\text{NDF}: 25.2/25$

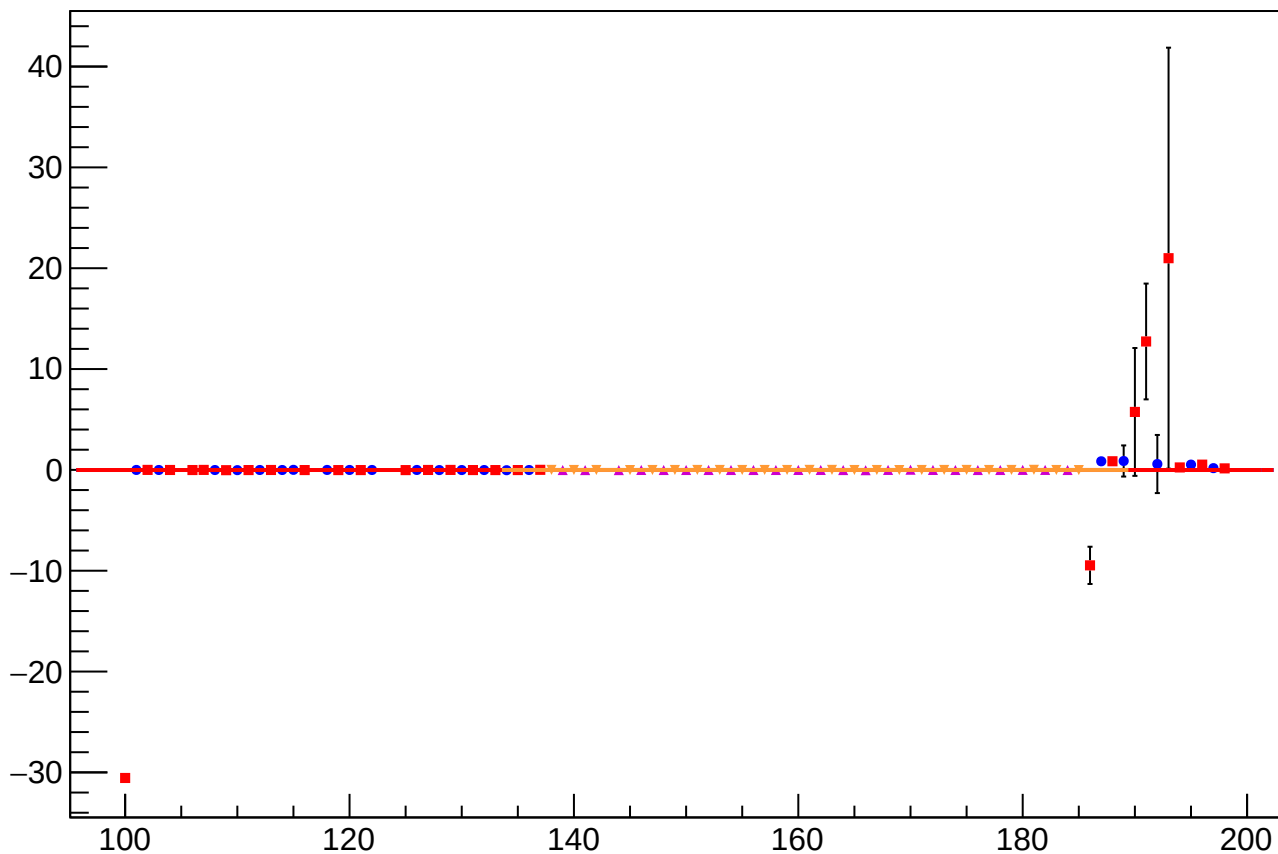
Left In: 0.069 ± 0.020 $\chi^2/\text{NDF}: 31.3/22$

+ sign 0.076 ± 0.017 $\chi^2/\text{NDF}: 58.3/44$

All: 0.071 ± 0.012 $\chi^2/\text{NDF}: 115.1/93$

- sign 0.066 ± 0.017 $\chi^2/\text{NDF}: 56.6/48$

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 25.6/20

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11943.9/25

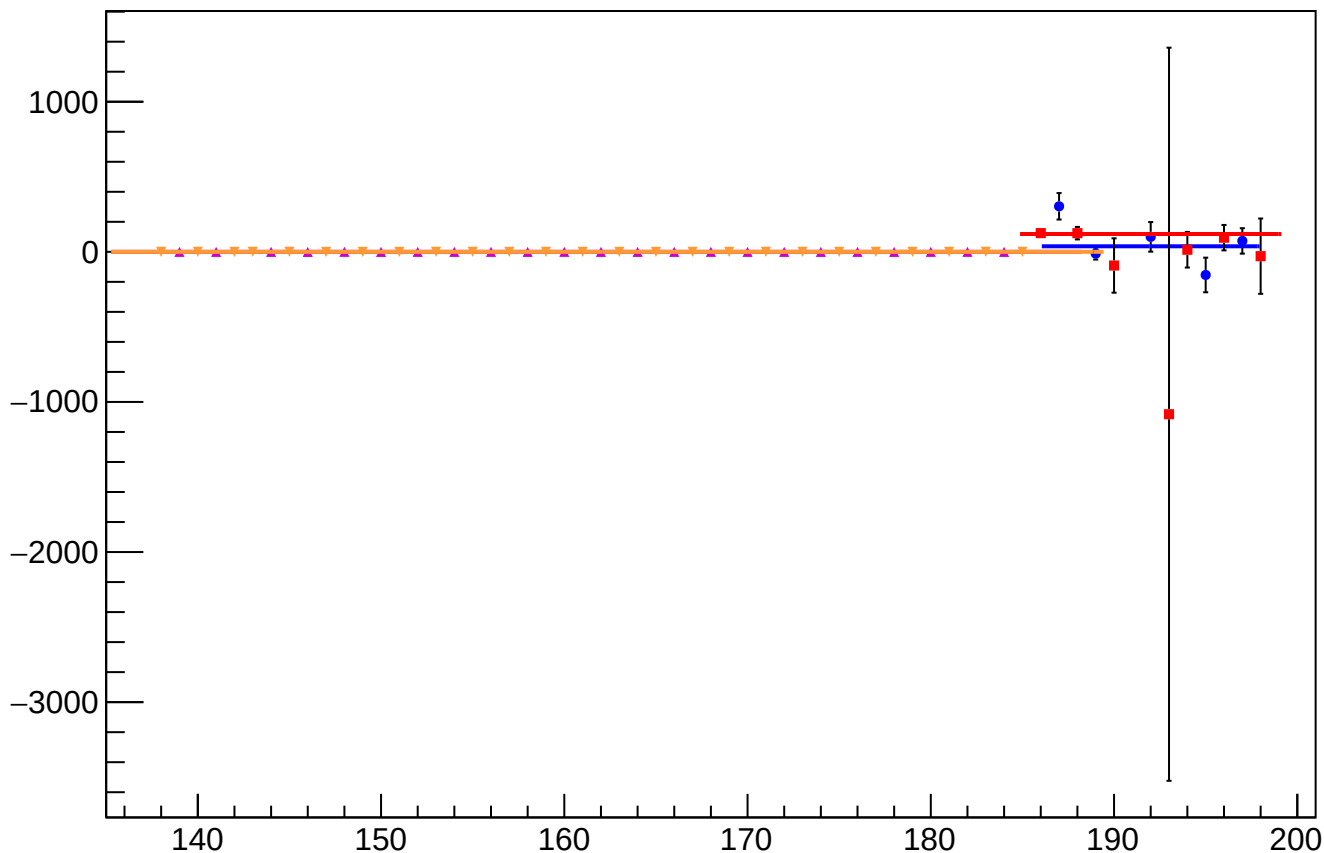
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 59.3/44

All: -0.009 ± 0.001 χ^2/NDF : 12046.9/93

- sign -0.009 ± 0.001 χ^2/NDF : 11987.2/48

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 36.973 ± 30.312 $\chi^2/\text{NDF}: 14.0/4$

Left Out: 0.017 ± 0.027 $\chi^2/\text{NDF}: 30.9/24$

Right Out: 118.829 ± 16.536 $\chi^2/\text{NDF}: 2.9/6$

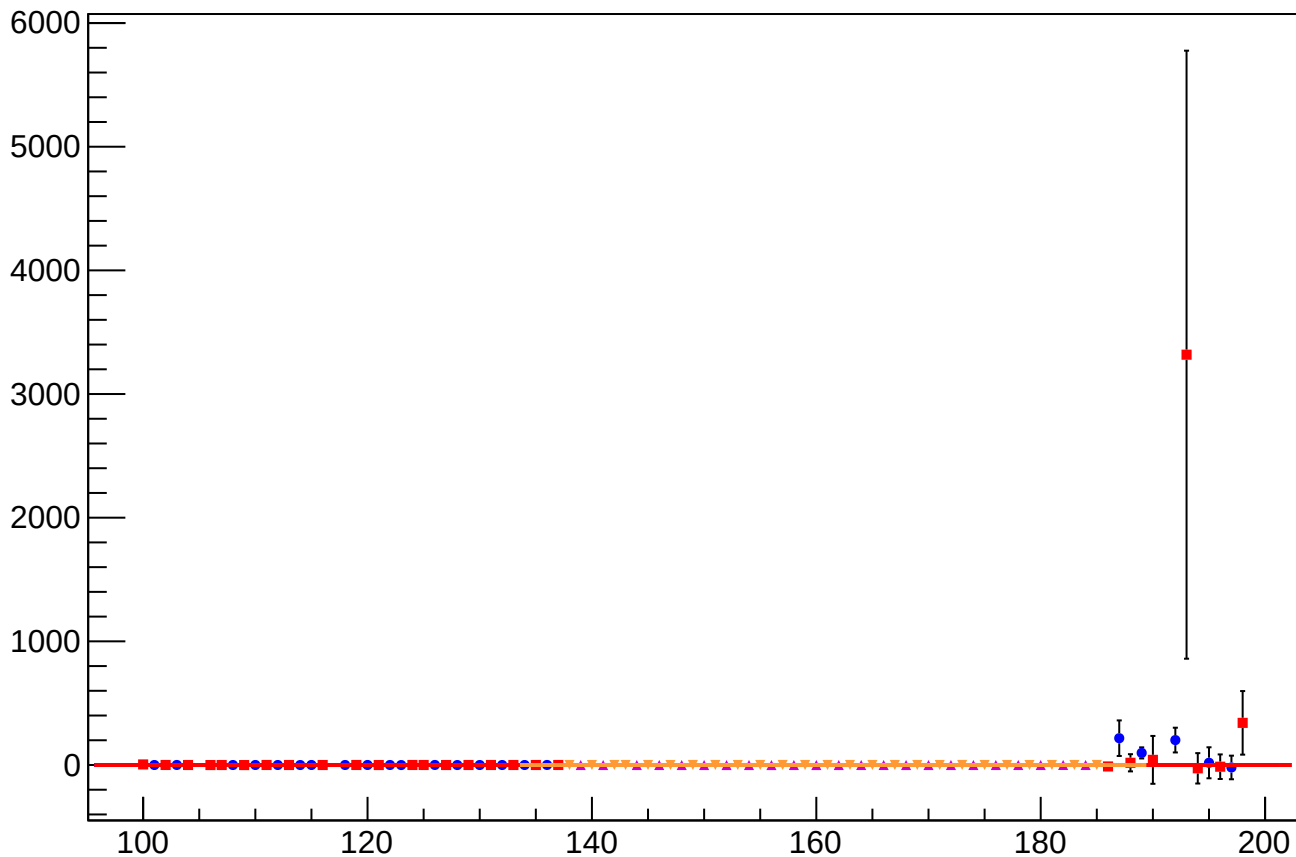
Left In: 0.002 ± 0.028 $\chi^2/\text{NDF}: 29.0/22$

+ sign 0.018 ± 0.027 $\chi^2/\text{NDF}: 46.4/29$

All: 0.010 ± 0.019 $\chi^2/\text{NDF}: 130.1/59$

- sign 0.003 ± 0.028 $\chi^2/\text{NDF}: 83.6/29$

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 34.1/21

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 22.5/25

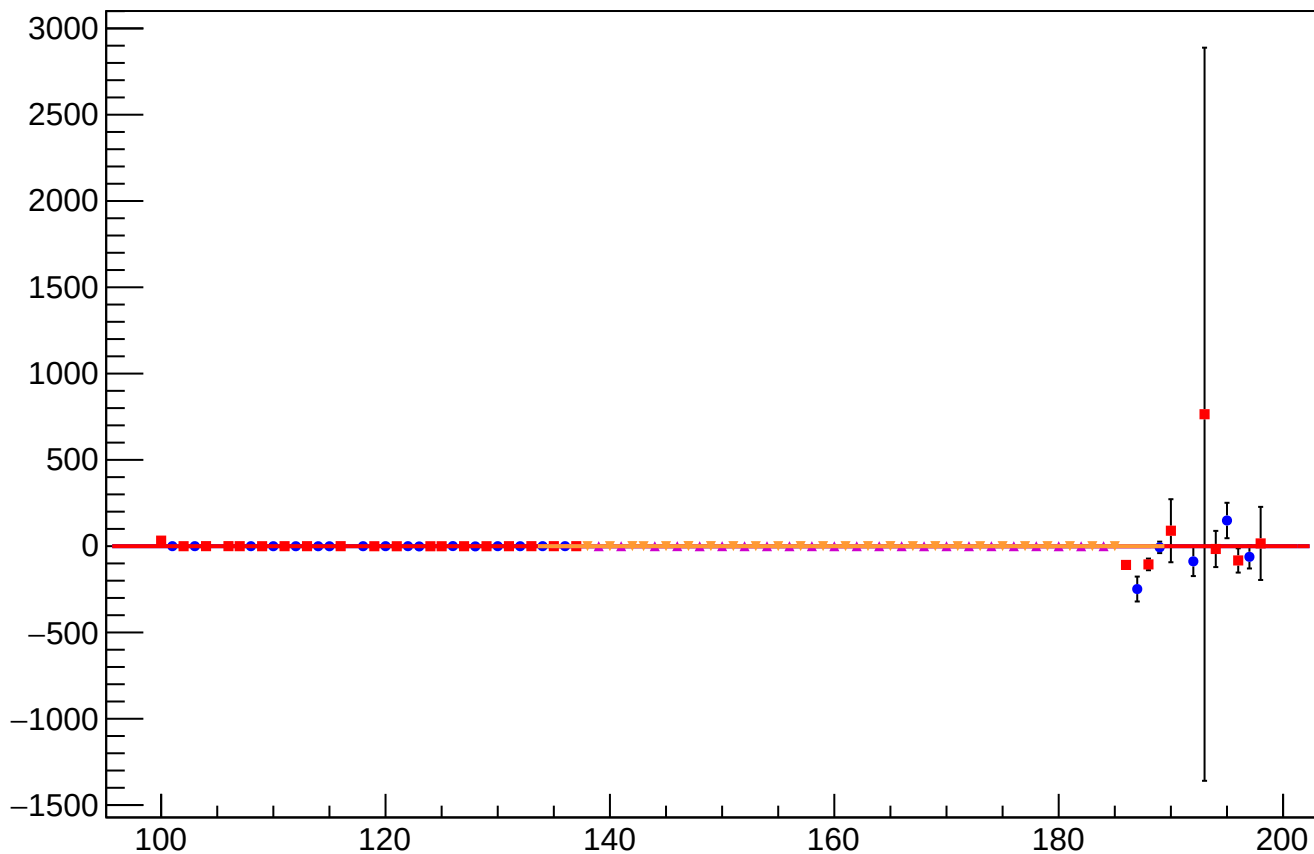
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 59.5/46

All: -0.066 ± 0.013 χ^2/NDF : 133.7/95

- sign -0.083 ± 0.019 χ^2/NDF : 72.6/48

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 40.6/21

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 77.6/25

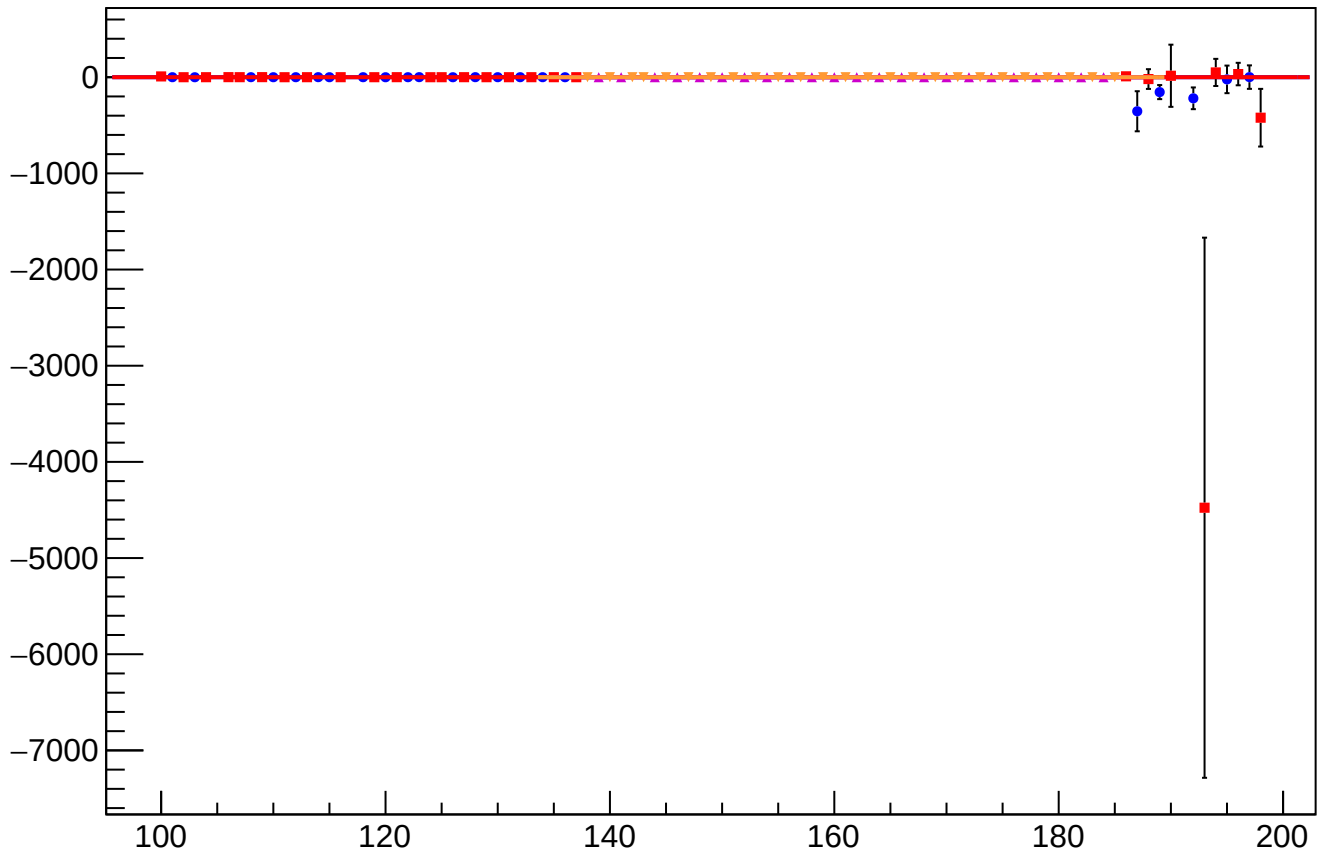
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 72.2/46

All: -0.042 ± 0.018 χ^2/NDF : 181.6/95

- sign -0.050 ± 0.026 χ^2/NDF : 109.2/48

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 ± 0.043 χ^2/NDF : 32.8/21

Left Out: 0.063 ± 0.024 χ^2/NDF : 24.6/24

Right Out: 0.144 ± 0.045 χ^2/NDF : 21.6/25

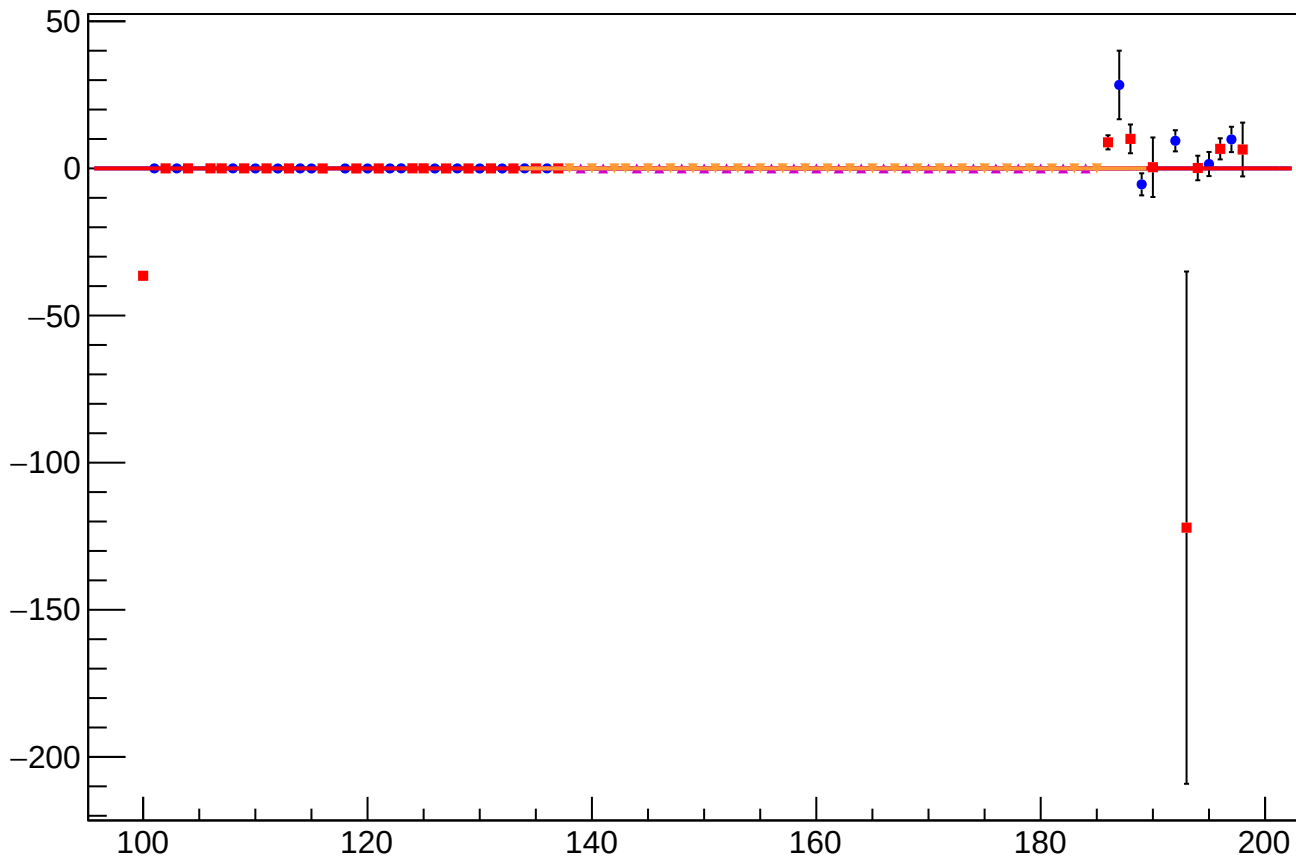
Left In: 0.069 ± 0.025 χ^2/NDF : 51.8/22

+ sign 0.052 ± 0.021 χ^2/NDF : 58.2/46

All: 0.069 ± 0.015 χ^2/NDF : 135.1/95

- sign 0.086 ± 0.022 χ^2/NDF : 75.6/48

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 50.7/21

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF: 26.3/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10472.8/25

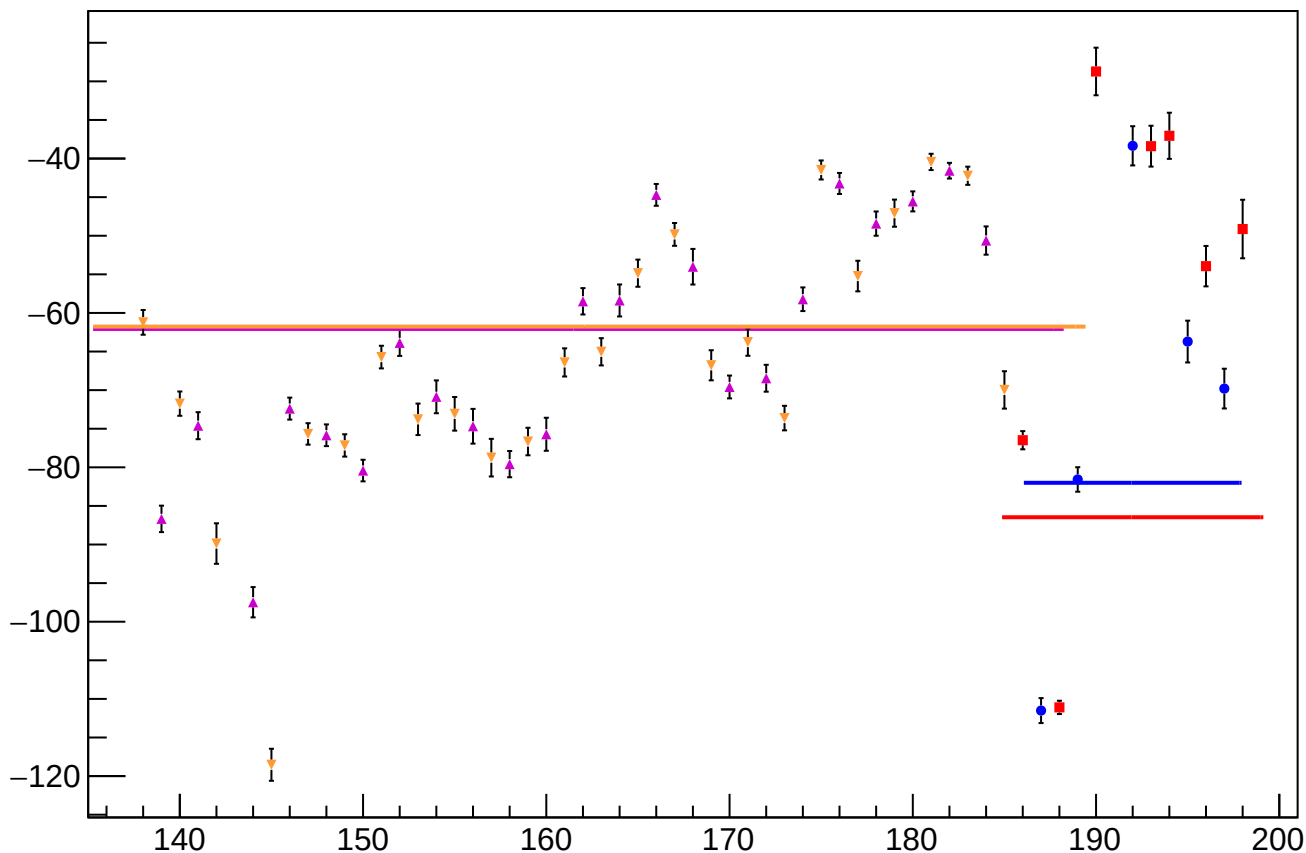
Left In: 0.009 $\pm$ 0.001 χ^2 /NDF: 15.0/22

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 85.0/46

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10583.3/95

- sign 0.007 $\pm$ 0.001 χ^2 /NDF: 10498.2/48

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -82.004 ± 0.905 χ^2/NDF : 696.6/4

Left Out: -61.771 ± 0.334 χ^2/NDF : 2504.9/23

Right Out: -86.468 ± 0.616 χ^2/NDF : 2090.0/6

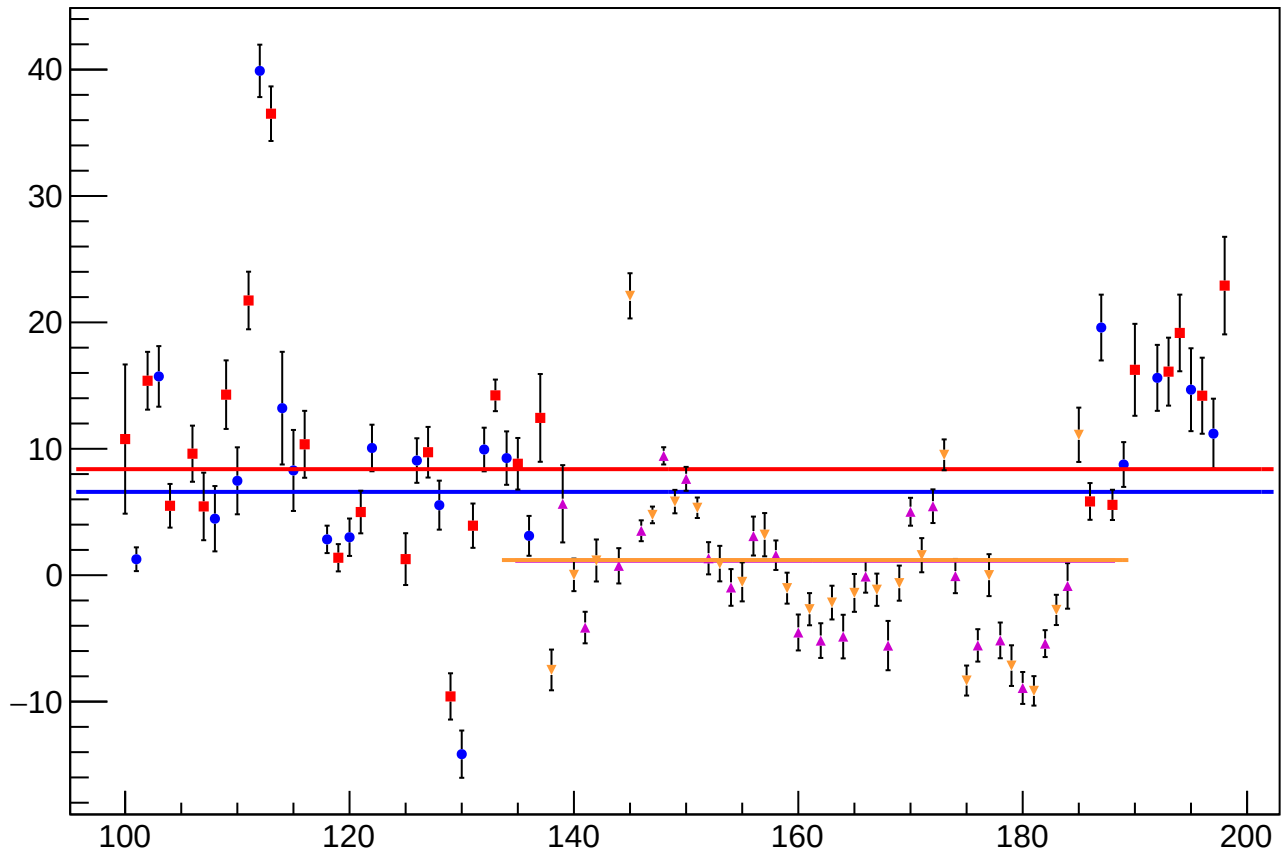
Left In: -62.073 ± 0.332 χ^2/NDF : 2192.0/22

+ sign -64.196 ± 0.313 χ^2/NDF : 3641.6/28

All: -65.999 ± 0.214 χ^2/NDF : 9200.2/58

- sign -67.572 ± 0.292 χ^2/NDF : 5496.5/29

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 6.591 ± 0.400 χ^2/NDF : 512.4/20

Left Out: 1.198 ± 0.253 χ^2/NDF : 526.3/23

Right Out: 8.389 ± 0.391 χ^2/NDF : 460.1/24

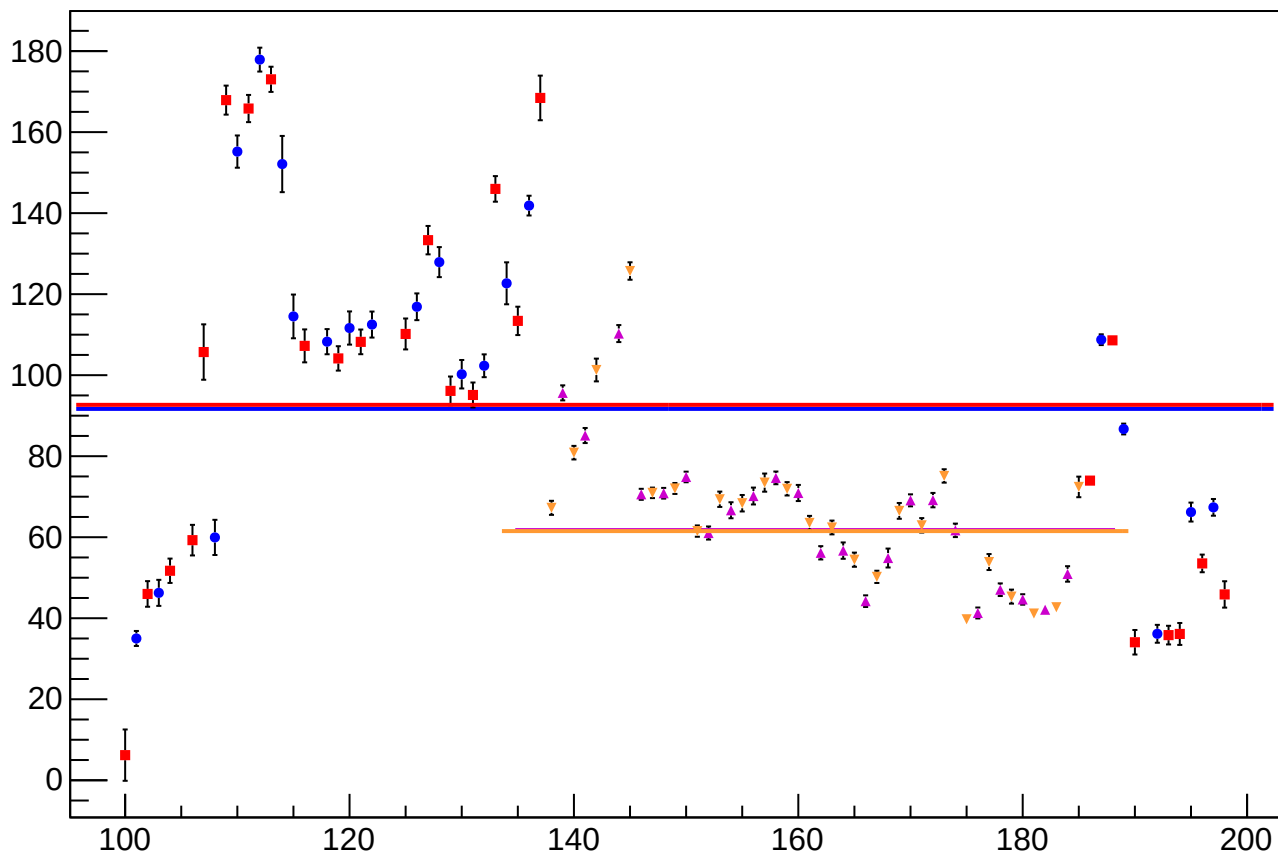
Left In: 1.146 ± 0.255 χ^2/NDF : 462.9/22

+ sign 2.736 ± 0.214 χ^2/NDF : 1168.7/44

All: 3.023 ± 0.151 χ^2/NDF : 2336.0/92

- sign 3.311 ± 0.214 χ^2/NDF : 1163.6/47

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 91.677 ± 0.554 χ^2/NDF : 4188.0/20

Left Out: 61.512 ± 0.332 χ^2/NDF : 2606.0/23

Right Out: 92.678 ± 0.432 χ^2/NDF : 5846.6/24

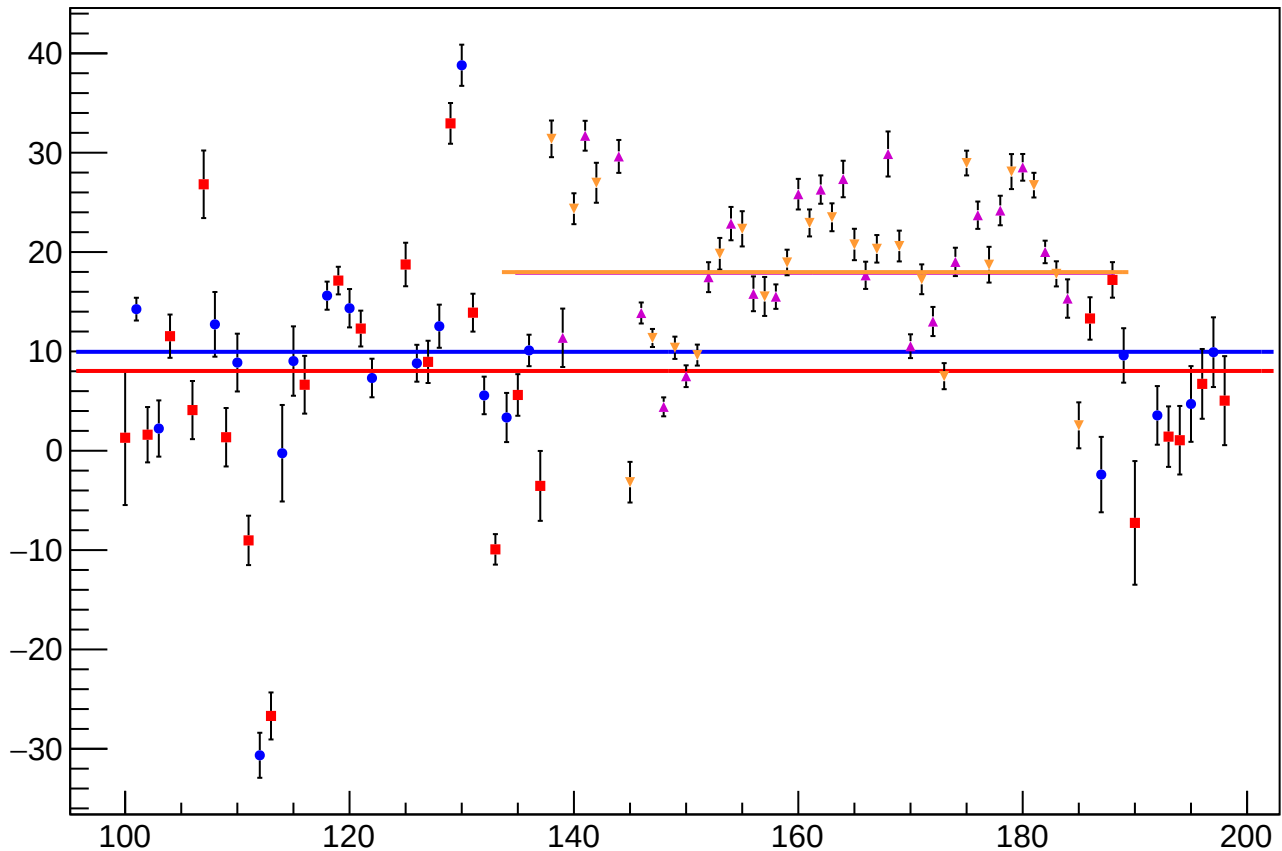
Left In: 61.762 ± 0.330 χ^2/NDF : 2418.2/22

+ sign 69.503 ± 0.285 χ^2/NDF : 8976.7/44

All: 71.487 ± 0.193 χ^2/NDF : 20569.0/92

- sign 73.166 ± 0.262 χ^2/NDF : 11502.9/47

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 9.957 ± 0.472 χ^2/NDF : 596.1/20

Left Out: 17.980 ± 0.291 χ^2/NDF : 674.4/23

Right Out: 8.031 ± 0.470 χ^2/NDF : 735.5/24

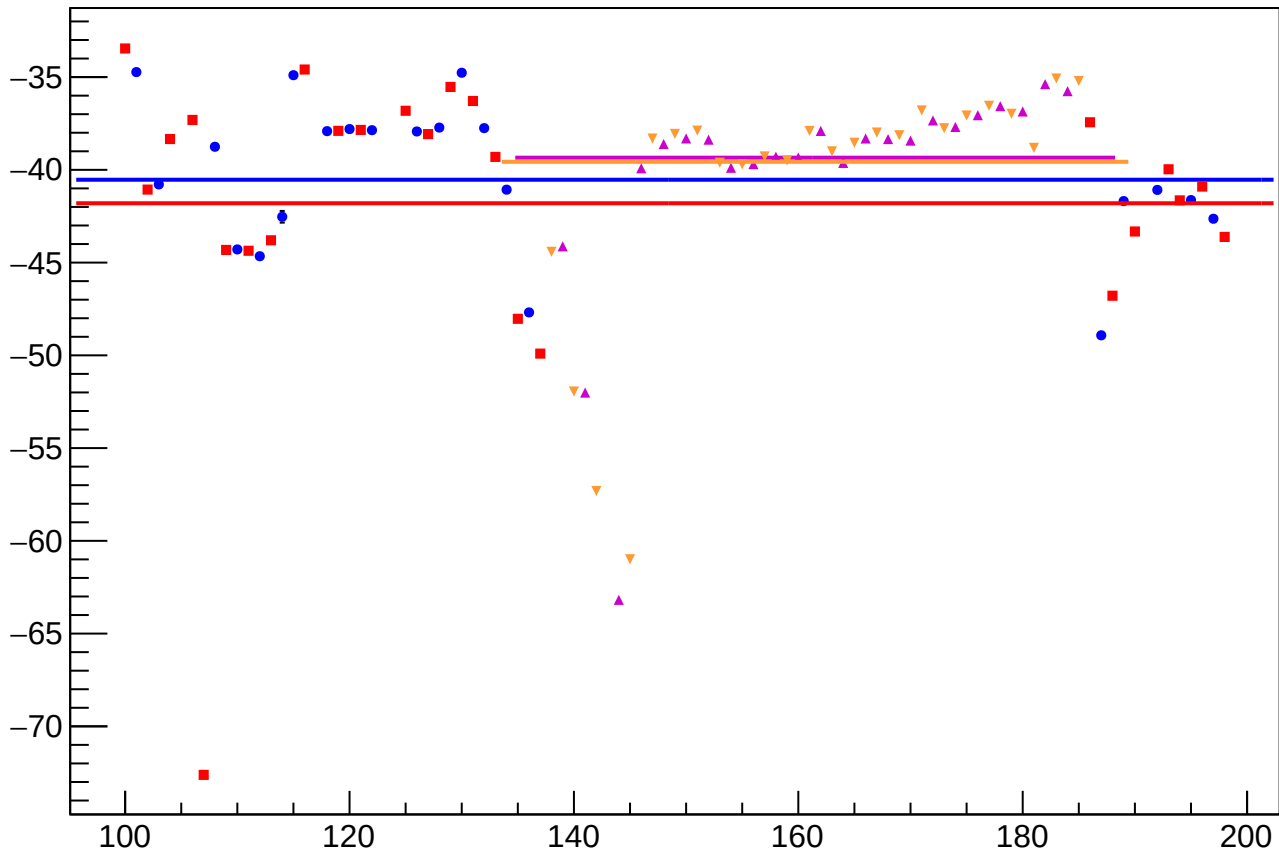
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 15.769 ± 0.248 χ^2/NDF : 1480.2/44

All: 15.466 ± 0.175 χ^2/NDF : 3263.8/92

- sign 15.161 ± 0.248 χ^2/NDF : 1780.6/47

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.533 ± 0.025 $\chi^2/\text{NDF}: 27323.3/20$

Left Out: -39.566 ± 0.014 $\chi^2/\text{NDF}: 141198.7/23$

Right Out: -41.801 ± 0.024 $\chi^2/\text{NDF}: 66171.0/24$

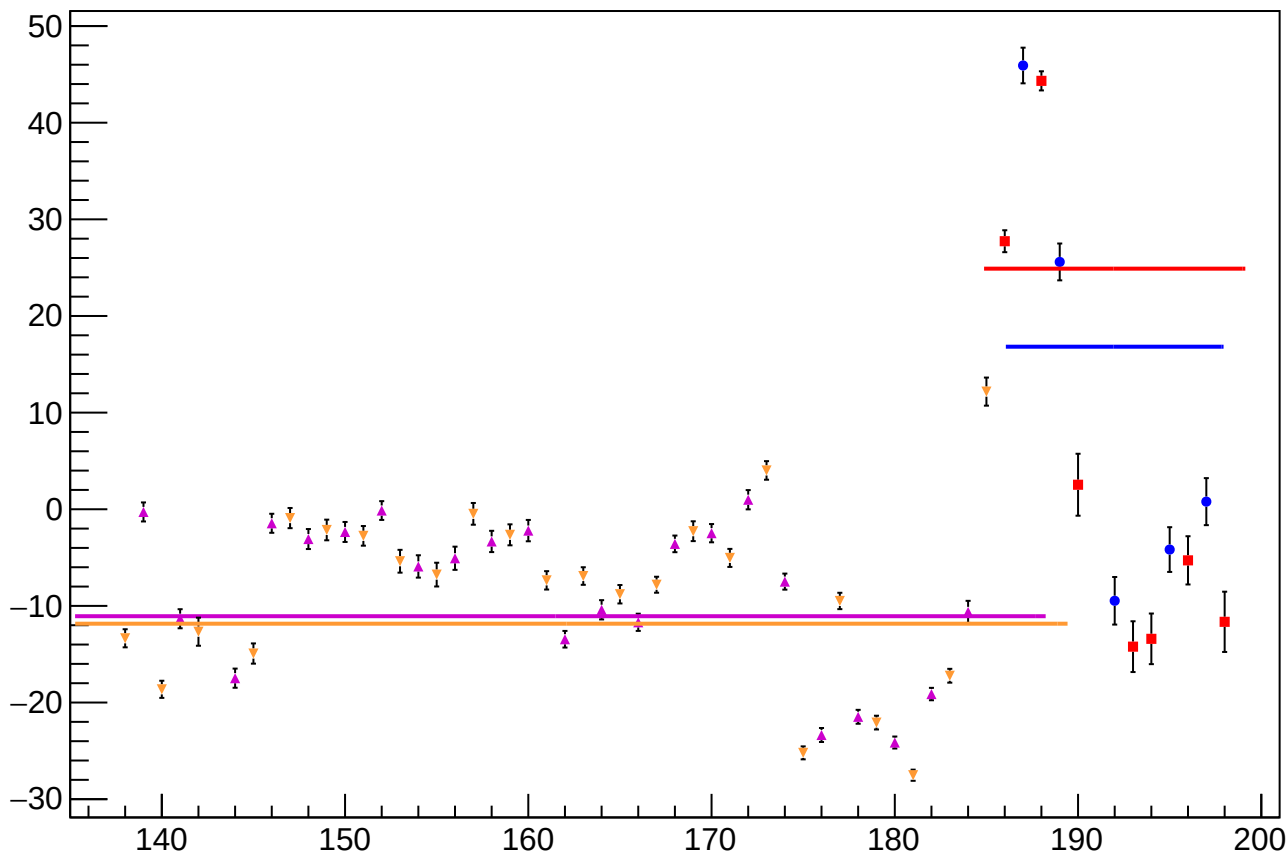
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ sign -39.789 ± 0.012 $\chi^2/\text{NDF}: 169662.7/44$

All: -39.869 ± 0.008 $\chi^2/\text{NDF}: 360542.1/92$

- sign -39.946 ± 0.012 $\chi^2/\text{NDF}: 190792.2/47$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 16.821 $\pm$ 0.958 χ^2/NDF : 509.7/4

Left Out: -11.842 $\pm$ 0.187 χ^2/NDF : 2739.8/23

Right Out: 24.897 $\pm$ 0.639 χ^2/NDF : 1159.4/6

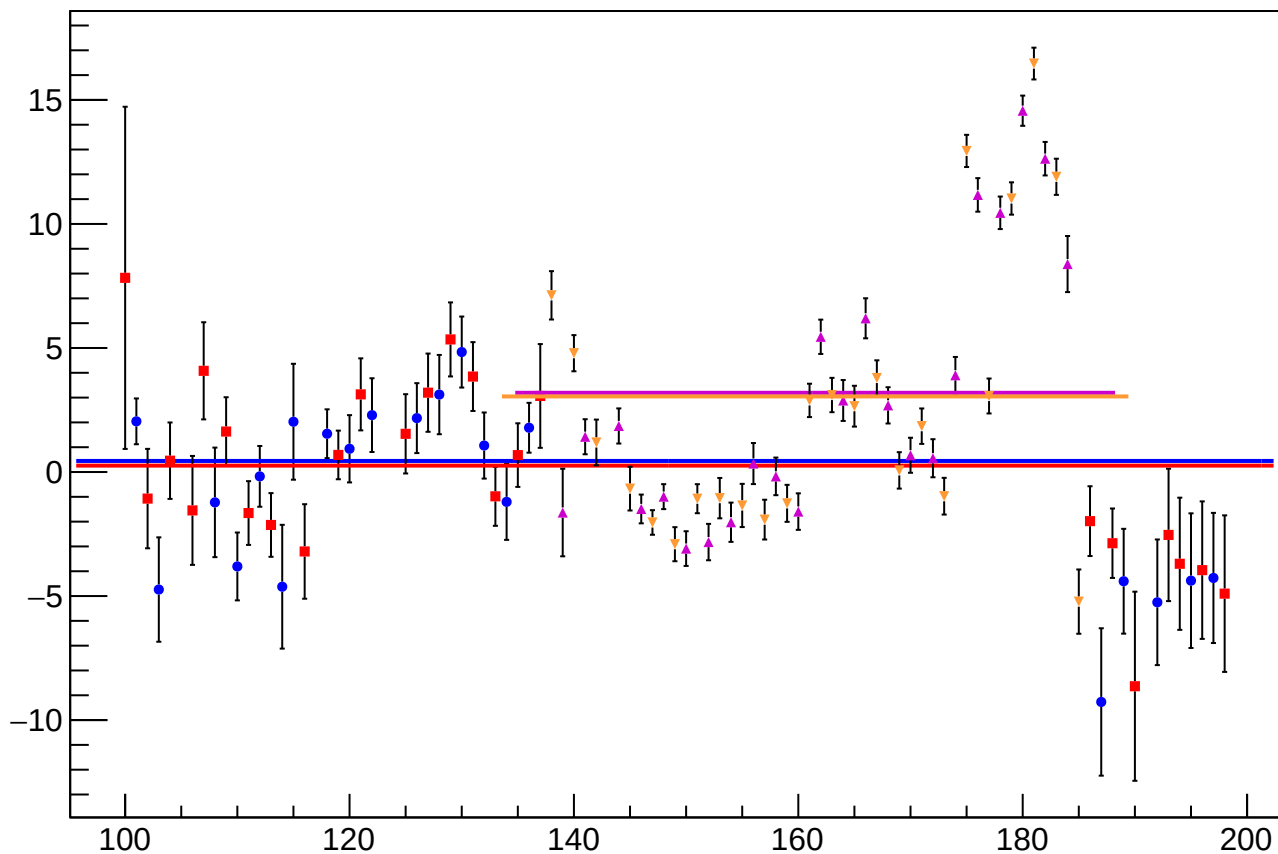
Left In: -11.067 $\pm$ 0.188 χ^2/NDF : 2104.8/22

+ sign -10.792 $\pm$ 0.183 χ^2/NDF : 4112.0/28

All: -9.476 $\pm$ 0.129 χ^2/NDF : 10391.8/58

- sign -8.204 $\pm$ 0.180 χ^2/NDF : 6178.5/29

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.446 ± 0.328 χ^2/NDF : 71.3/20

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: 0.258 ± 0.323 χ^2/NDF : 66.9/24

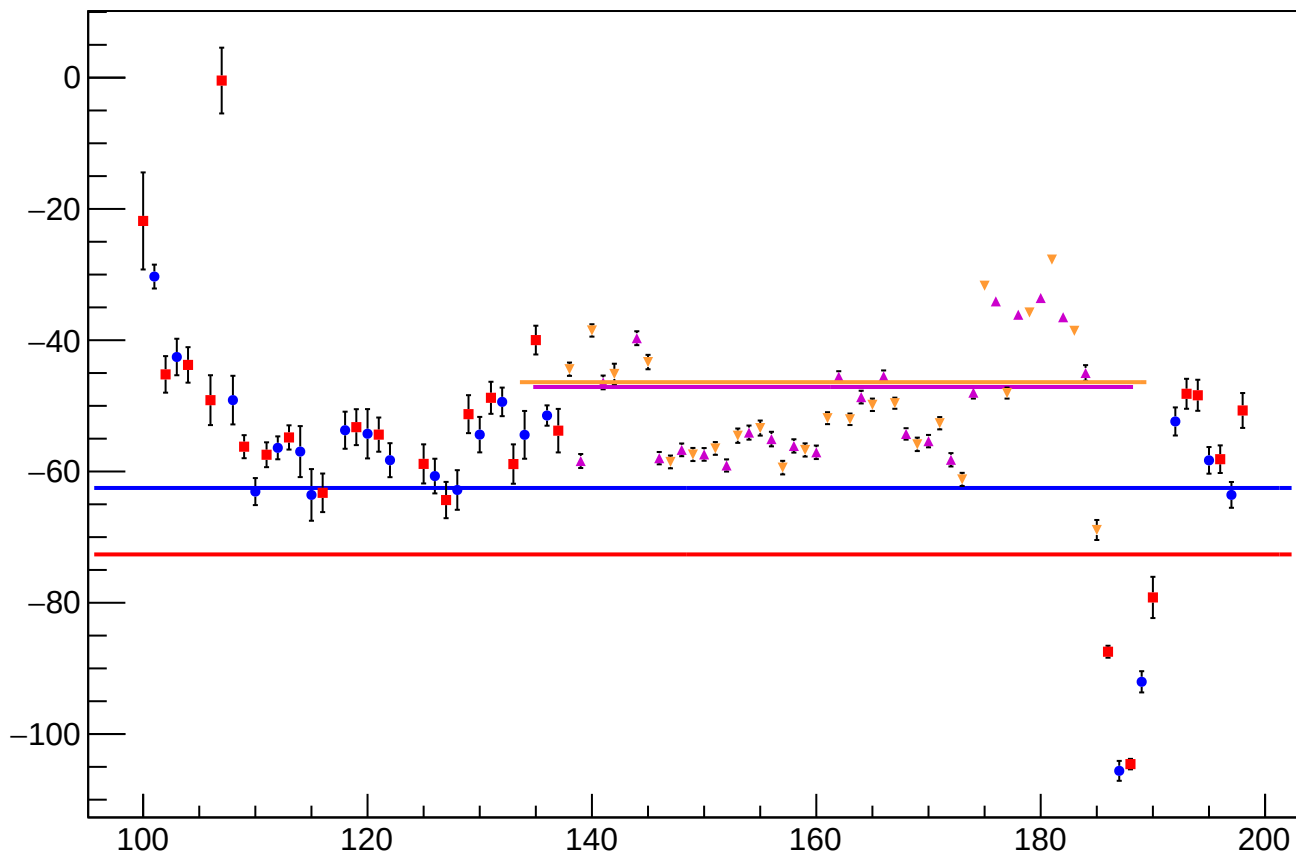
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.607 ± 0.135 χ^2/NDF : 1580.9/44

All: 2.640 ± 0.096 χ^2/NDF : 3010.9/92

- sign 2.673 ± 0.136 χ^2/NDF : 1429.9/47

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -62.511 ± 0.489 χ^2/NDF : 1680.2/20

Left Out: -46.392 ± 0.187 χ^2/NDF : 3286.7/23

Right Out: -72.635 ± 0.400 χ^2/NDF : 3522.3/24

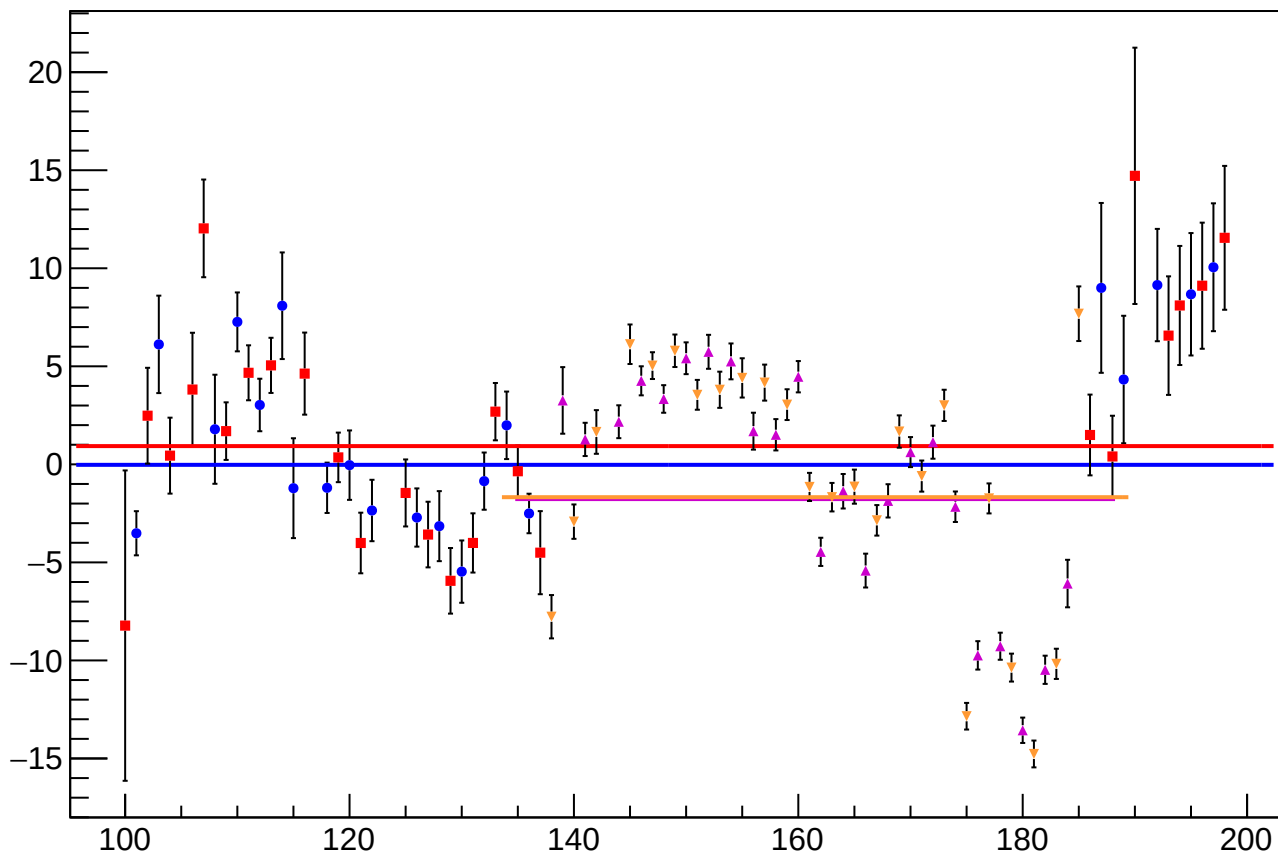
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -48.438 ± 0.174 χ^2/NDF : 5914.1/44

All: -50.117 ± 0.122 χ^2/NDF : 15465.7/92

- sign -51.706 ± 0.170 χ^2/NDF : 9371.0/47

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.025 ± 0.375 $\chi^2/\text{NDF}: 116.6/20$

Left Out: -1.675 ± 0.167 $\chi^2/\text{NDF}: 1483.8/23$

Right Out: 0.931 ± 0.375 $\chi^2/\text{NDF}: 126.4/24$

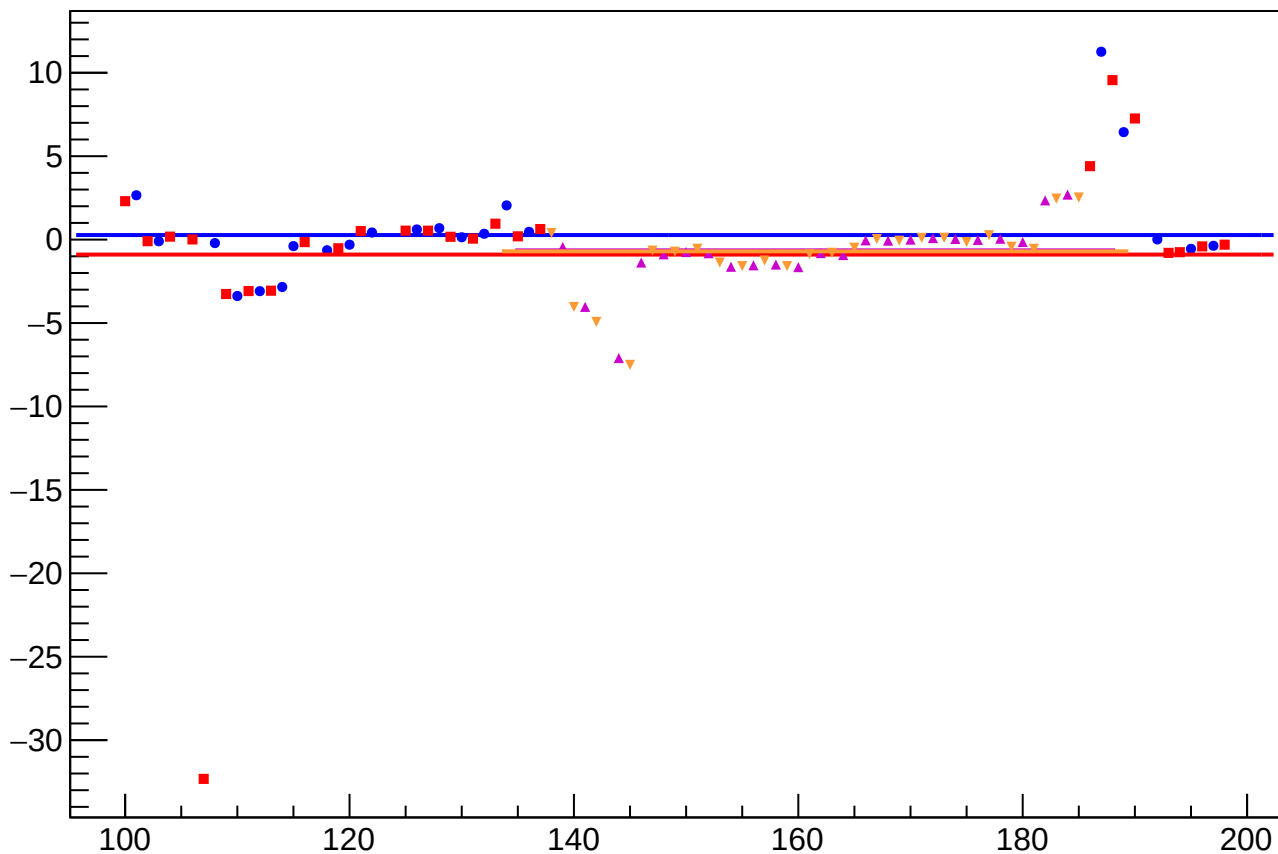
Left In: -1.771 ± 0.169 $\chi^2/\text{NDF}: 1251.3/22$

+ sign -1.401 ± 0.153 $\chi^2/\text{NDF}: 1616.6/44$

All: -1.358 ± 0.108 $\chi^2/\text{NDF}: 3037.6/92$

- sign -1.315 ± 0.154 $\chi^2/\text{NDF}: 1420.9/47$

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.273 ± 0.020 $\chi^2/\text{NDF}: 9227.8/20$

Left Out: -0.702 ± 0.008 $\chi^2/\text{NDF}: 53834.9/23$

Right Out: -0.897 ± 0.019 $\chi^2/\text{NDF}: 92293.2/24$

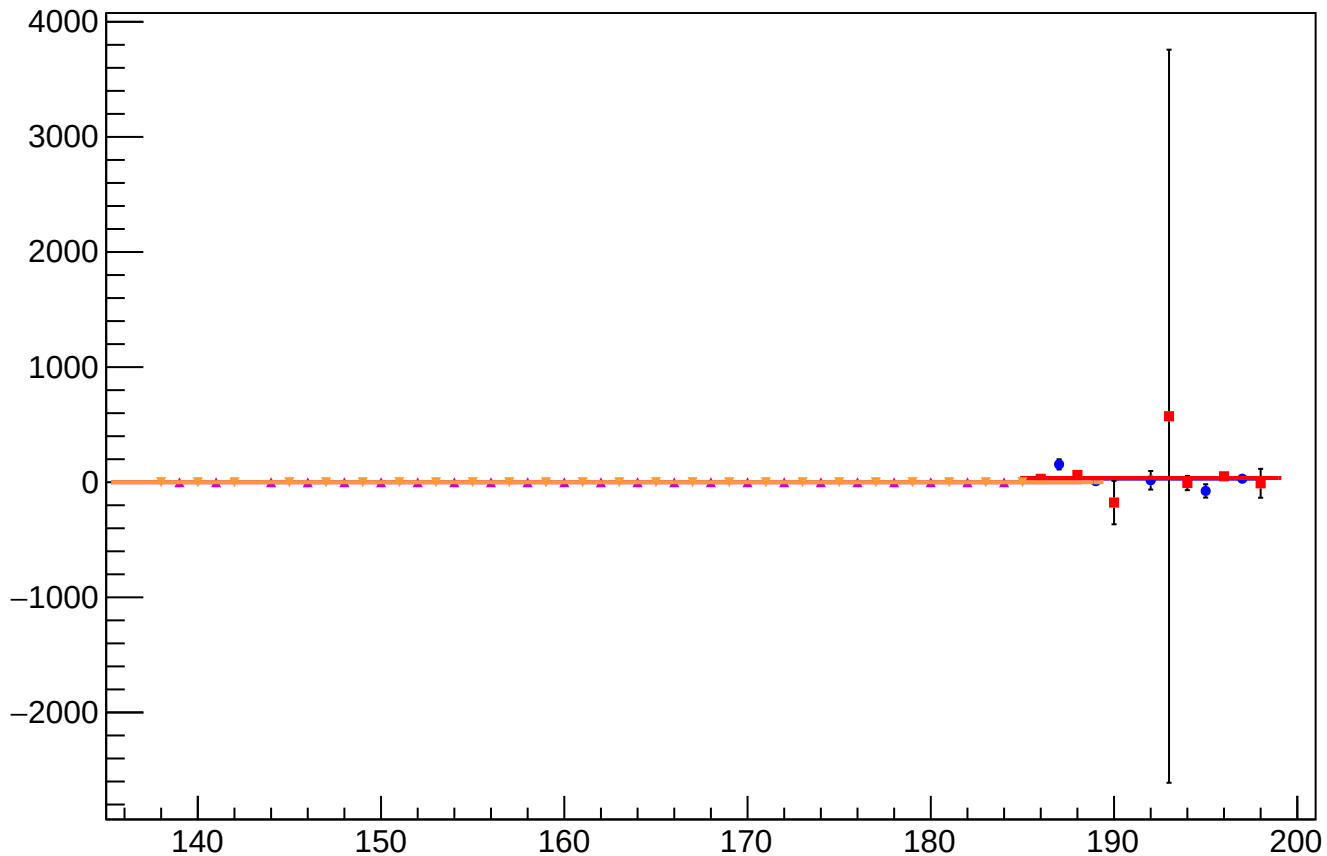
Left In: -0.644 ± 0.008 $\chi^2/\text{NDF}: 44169.2/22$

+ sign -0.576 ± 0.007 $\chi^2/\text{NDF}: 65159.5/44$

All: -0.627 ± 0.005 $\chi^2/\text{NDF}: 201873.0/92$

- sign -0.678 ± 0.007 $\chi^2/\text{NDF}: 136610.7/47$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 31.471+/-18.934 χ^2/NDF : 12.0/4

Left Out: -0.037+/-0.018 χ^2/NDF : 35.4/23

Right Out: 36.730+/-9.979 χ^2/NDF : 4.0/6

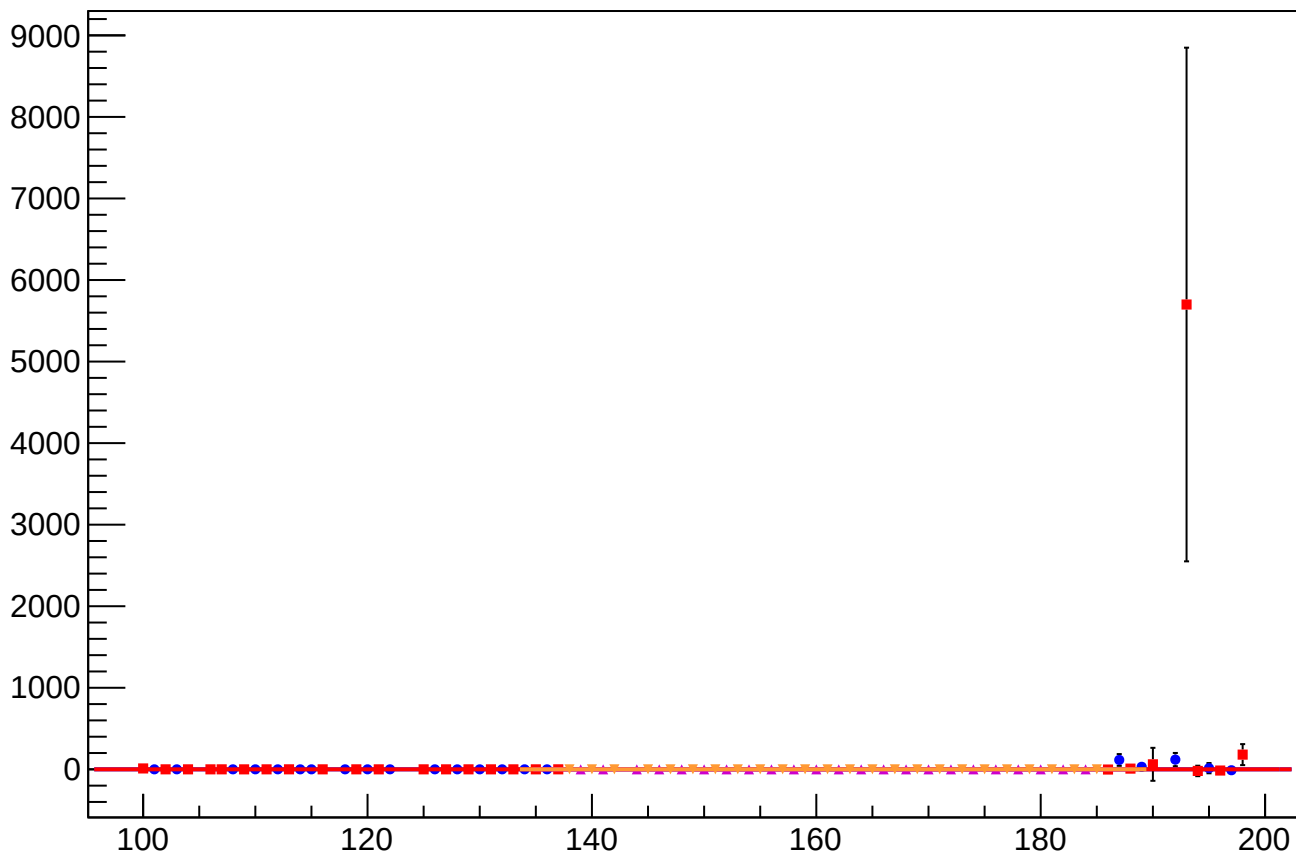
Left In: -0.010+/-0.018 χ^2/NDF : 35.1/22

+ sign -0.037+/-0.018 χ^2/NDF : 50.1/28

All: -0.024+/-0.013 χ^2/NDF : 104.0/58

- sign -0.010+/-0.018 χ^2/NDF : 52.7/29

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 17.8/20

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 18.5/24

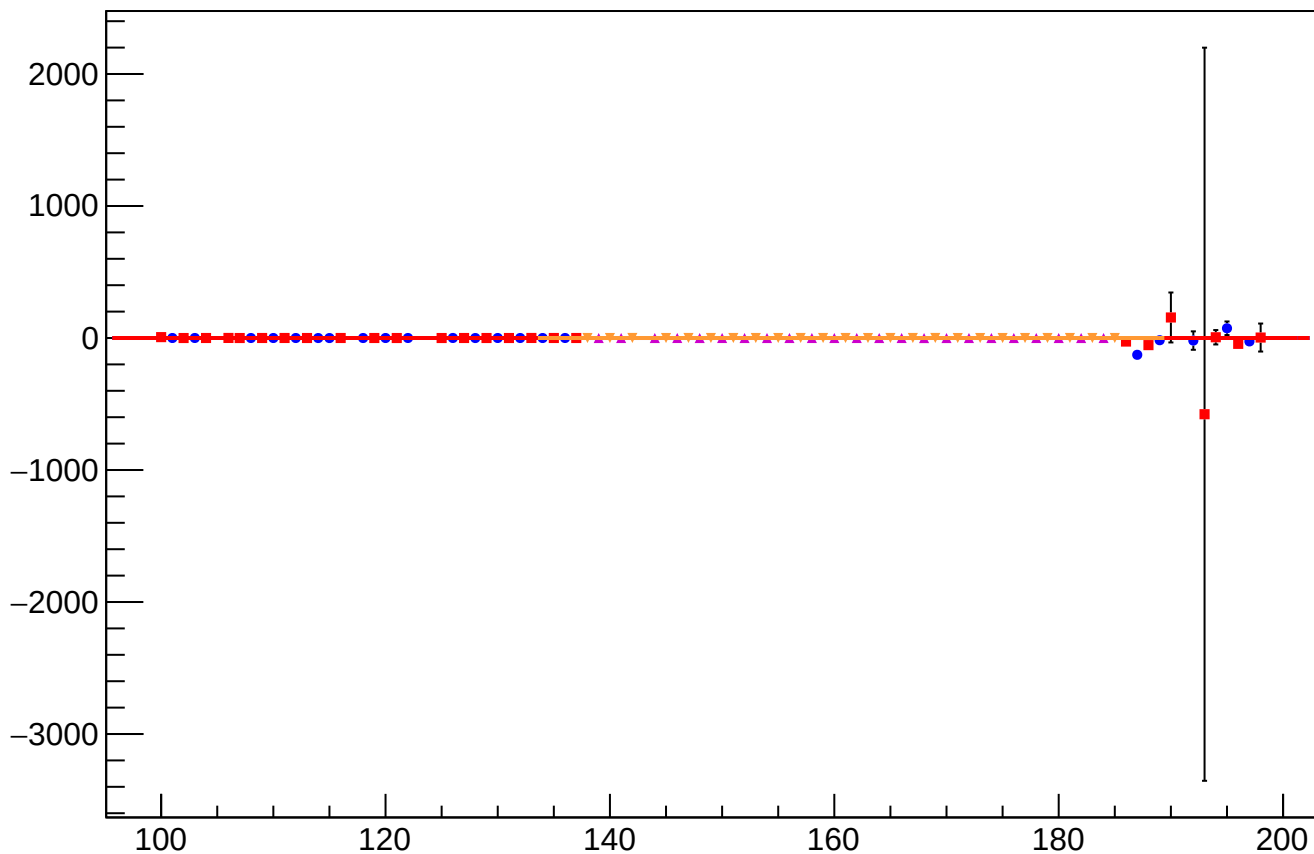
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 50.3/44

All: -0.063 ± 0.009 χ^2/NDF : 111.1/92

- sign -0.070 ± 0.012 χ^2/NDF : 60.3/47

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 24.7/20

Left Out: 0.035 $\pm$ 0.018 χ^2 /NDF:32.2/23

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 29.3/24

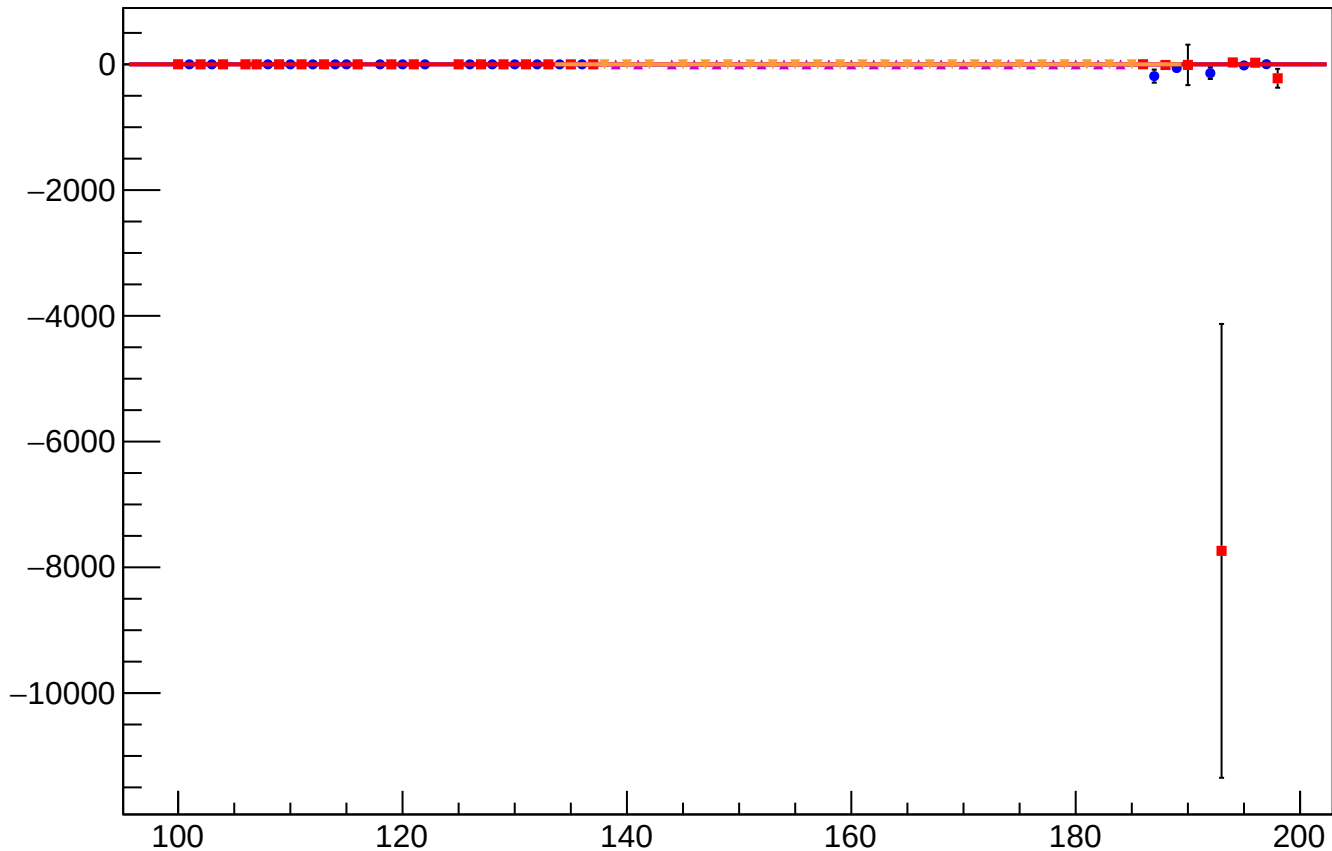
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 57.1/44

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 126.1/92

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 66.8/47

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 18.5/20

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF: 27.7/23

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 15.3/24

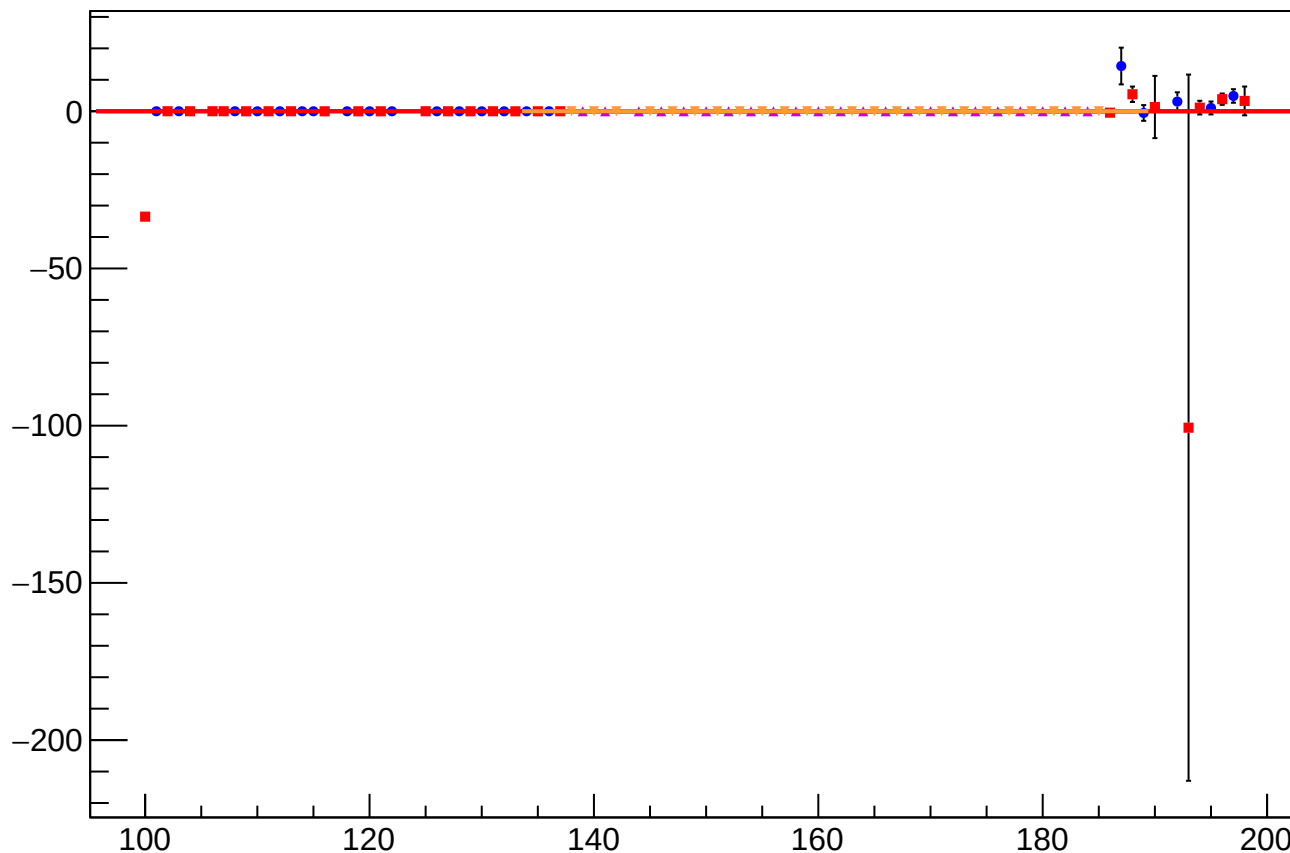
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF: 44.8/22

+ sign 0.066 $\pm$ 0.014 χ^2 /NDF: 52.4/44

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 114.1/92

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 61.3/47

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 34.1/20

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26520.0/24

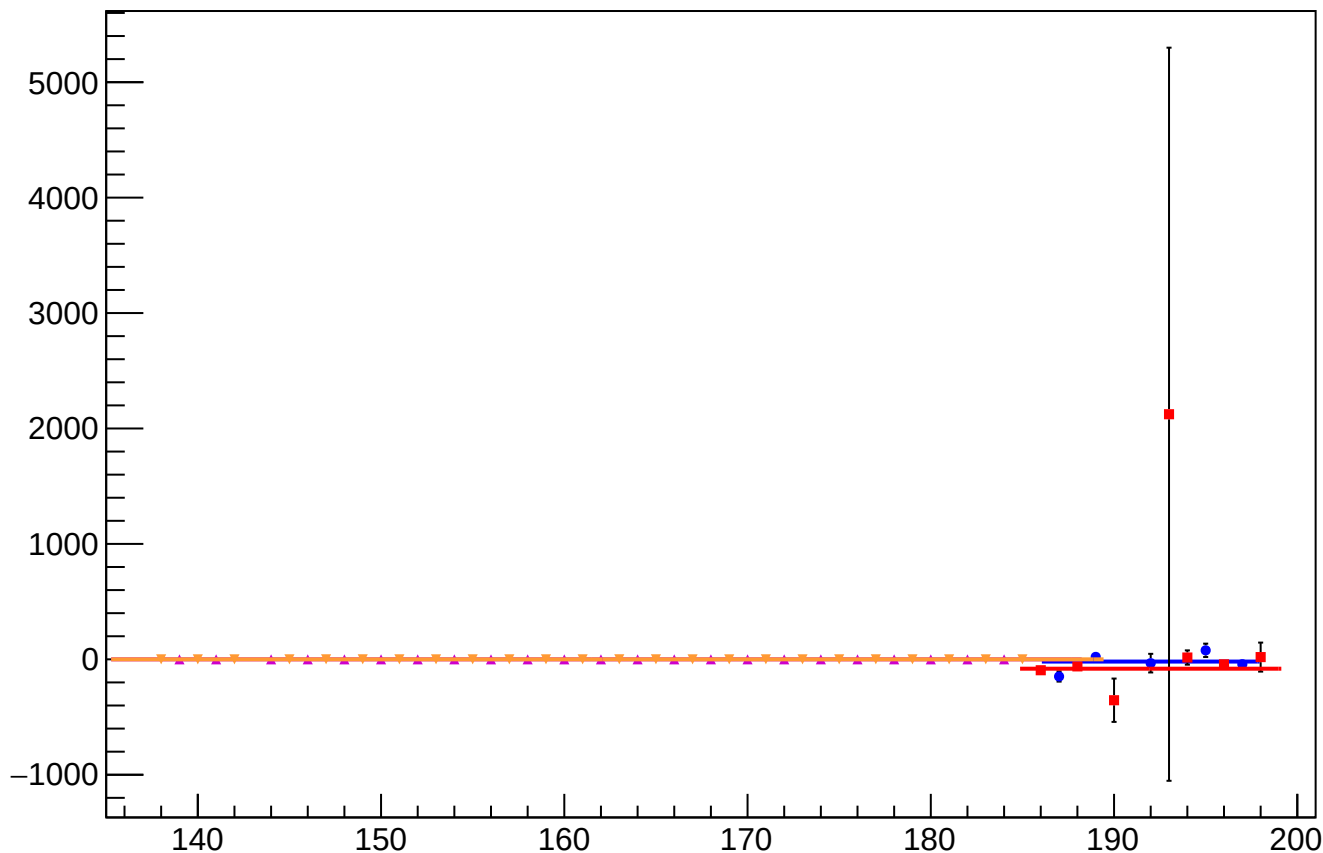
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 70.5/44

All: -0.001 ± 0.000 χ^2/NDF : 26626.8/92

- sign -0.001 ± 0.001 χ^2/NDF : 26556.3/47

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -19.330 ± 18.923 χ^2/NDF : 13.8/4

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -81.137 ± 9.982 χ^2/NDF : 8.6/6

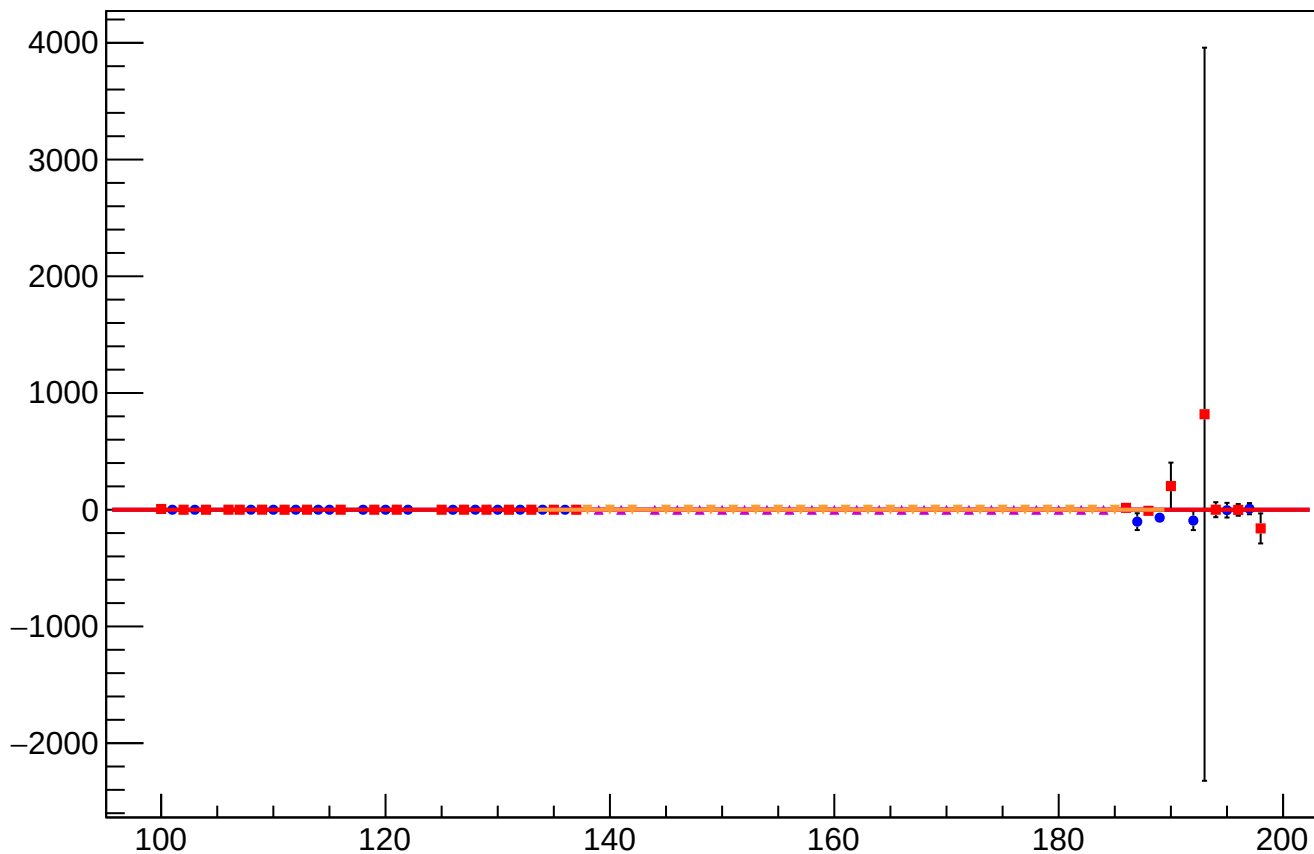
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 52.2/28

All: -0.031 ± 0.013 χ^2/NDF : 164.8/58

- sign -0.009 ± 0.018 χ^2/NDF : 109.8/29

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 +/- 0.023 χ^2/NDF : 33.0/20

Left Out: -0.011 +/- 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 +/- 0.025 χ^2/NDF : 32.6/24

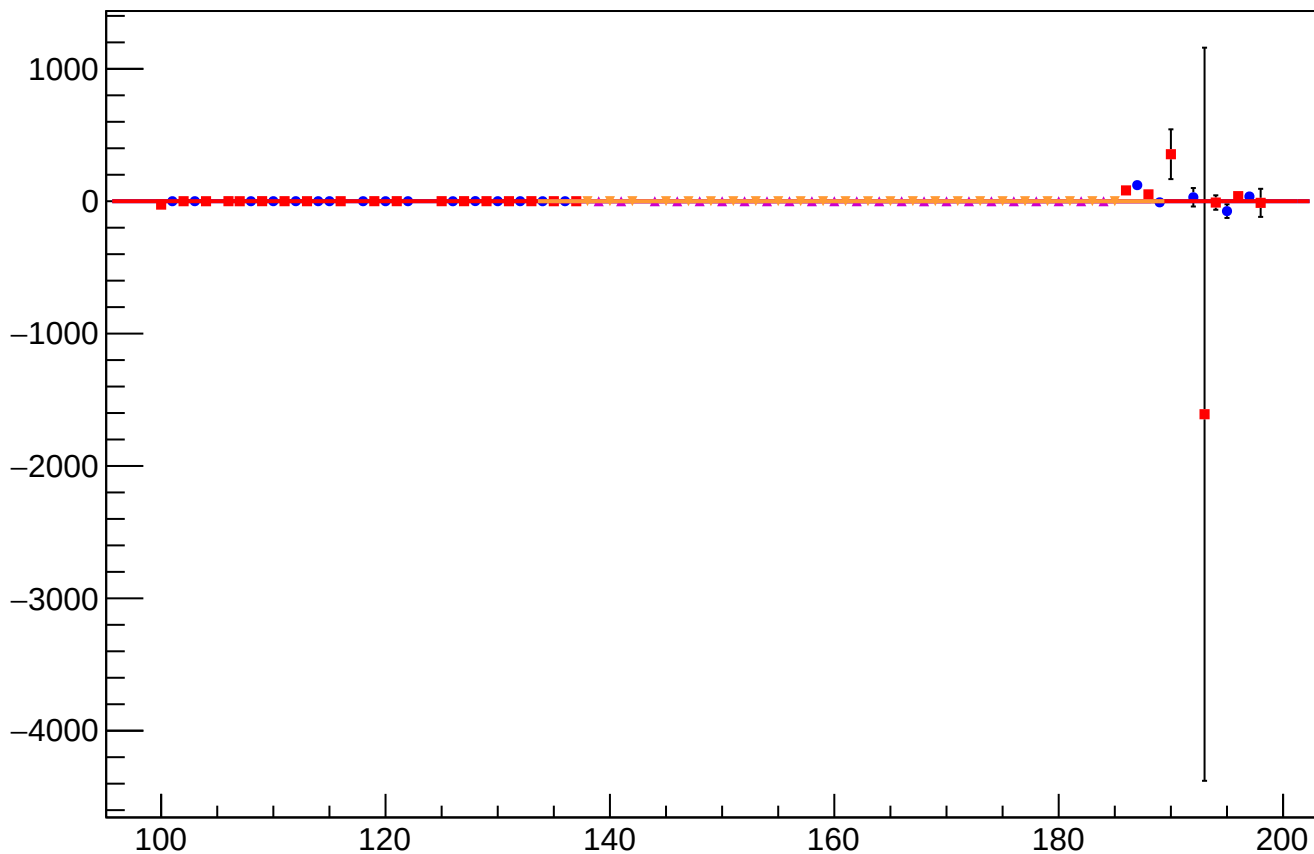
Left In: 0.005 +/- 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 +/- 0.012 χ^2/NDF : 63.1/44

All: 0.003 +/- 0.009 χ^2/NDF : 147.6/92

- sign 0.013 +/- 0.012 χ^2/NDF : 83.4/47

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 ± 0.043 χ^2/NDF : 44.5/20

Left Out: 0.048 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 0.197 ± 0.045 χ^2/NDF : 107.0/24

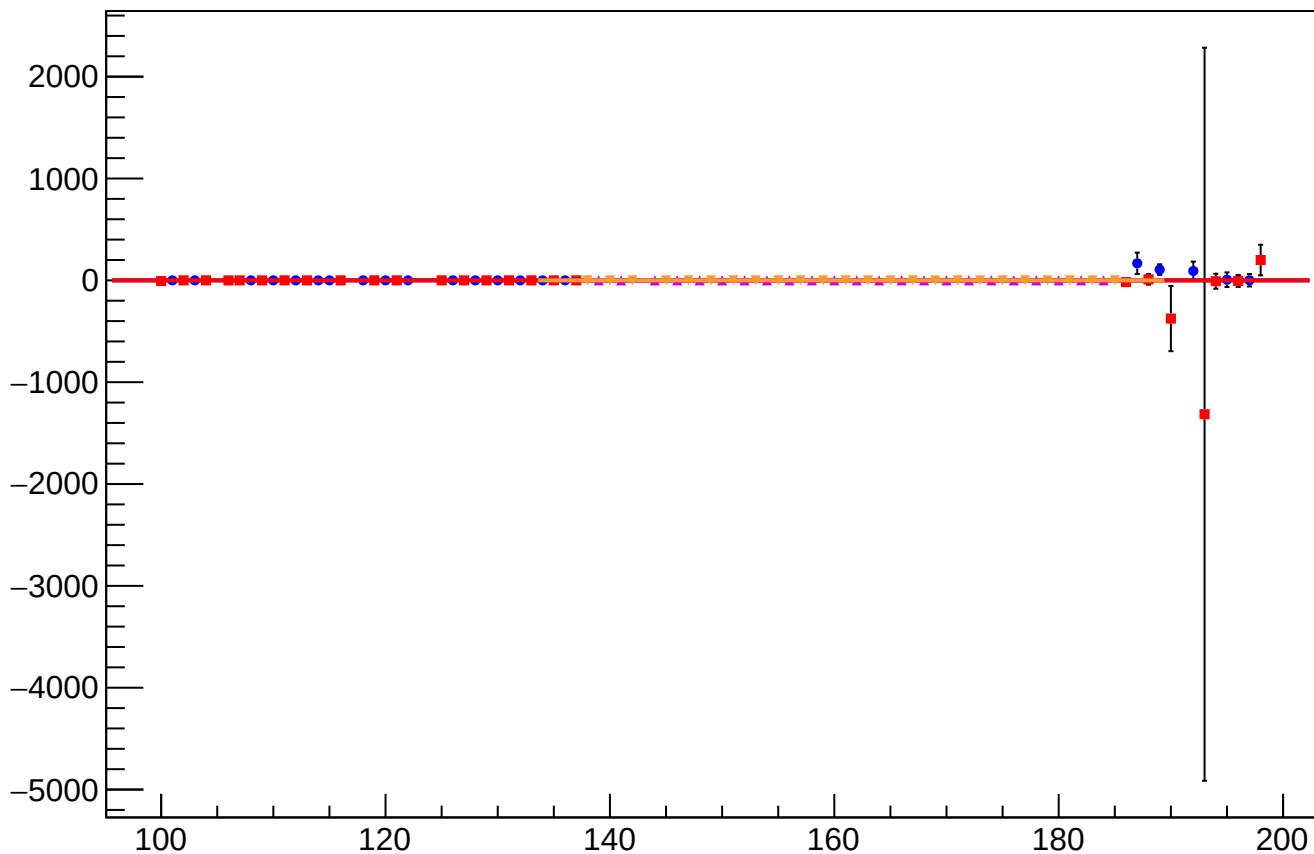
Left In: 0.020 ± 0.018 χ^2/NDF : 35.8/22

+ sign 0.064 ± 0.017 χ^2/NDF : 85.4/44

All: 0.054 ± 0.012 χ^2/NDF : 242.3/92

- sign 0.044 ± 0.017 χ^2/NDF : 156.2/47

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 32.3/20

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 30.2/24

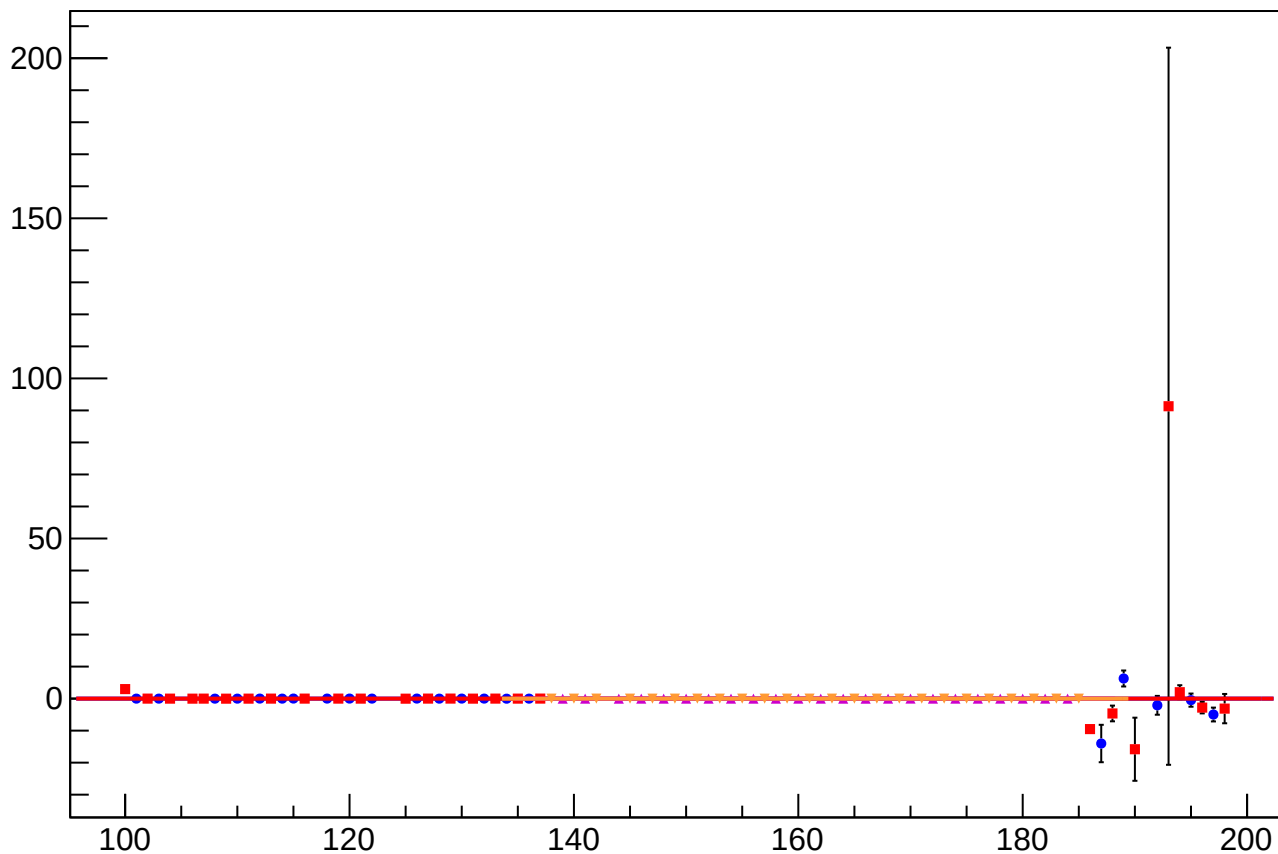
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 66.6/44

All: 0.004 ± 0.010 χ^2/NDF : 150.5/92

- sign -0.007 ± 0.014 χ^2/NDF : 82.9/47

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 45.4/20

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.0/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 213.4/24

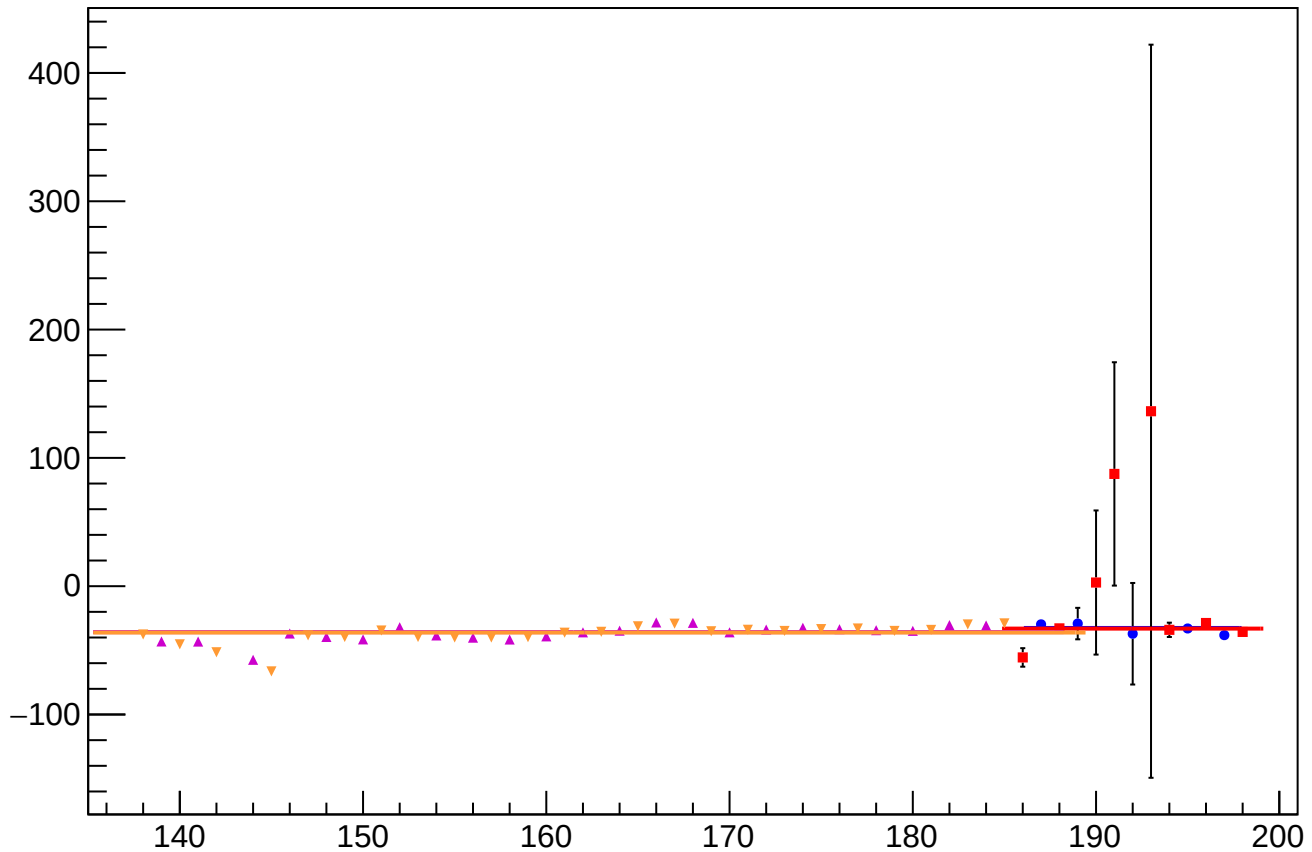
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 79.1/44

All: -0.008 ± 0.000 χ^2/NDF : 332.8/92

- sign -0.008 ± 0.001 χ^2/NDF : 253.6/47

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -32.560 ± 1.333 χ^2/NDF : 6.6/4

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -33.053 ± 1.009 χ^2/NDF : 15.3/7

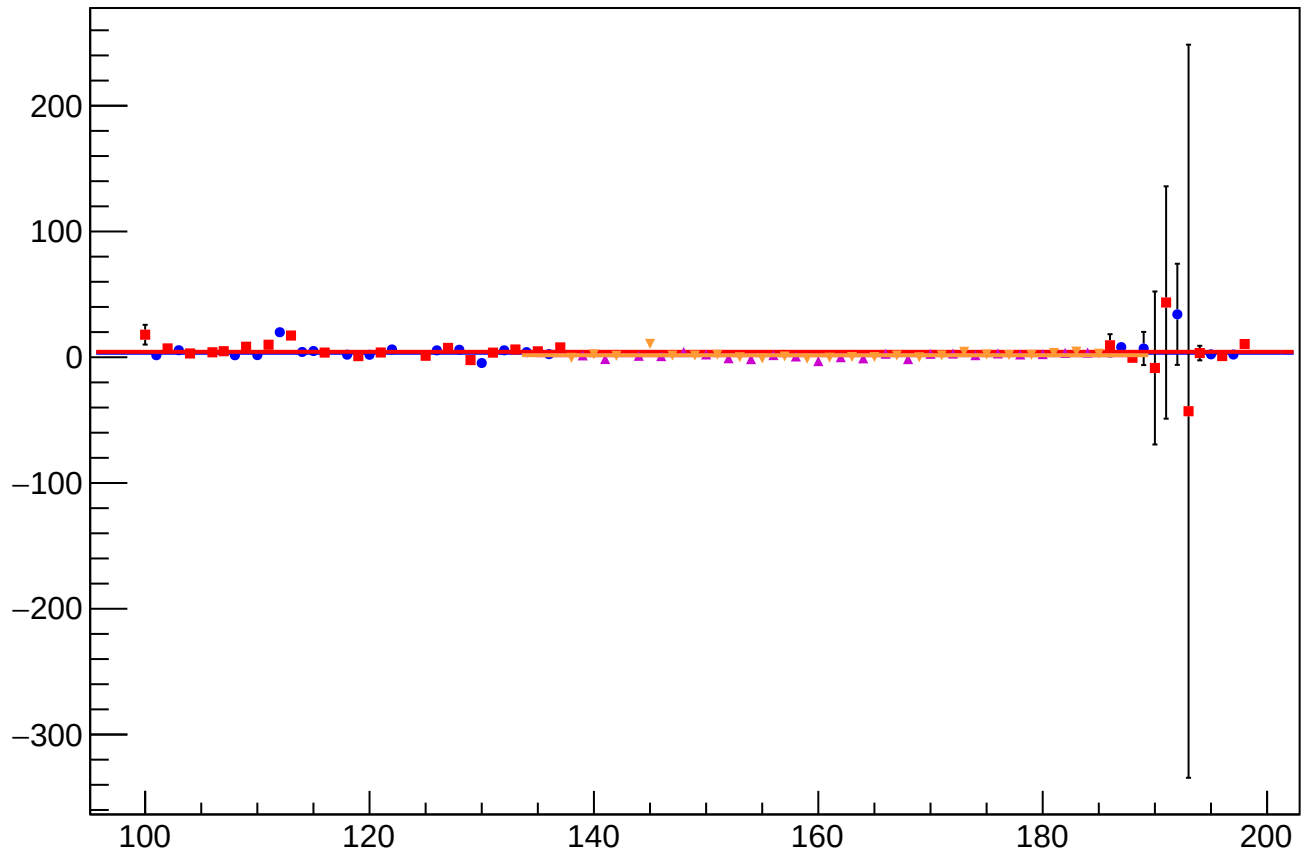
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -36.048 ± 0.190 χ^2/NDF : 1128.5/28

All: -35.864 ± 0.134 χ^2/NDF : 2006.9/59

- sign -35.685 ± 0.188 χ^2/NDF : 876.5/30

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.564 ± 0.219 χ^2/NDF : 443.2/20

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.320 ± 0.222 χ^2/NDF : 364.7/25

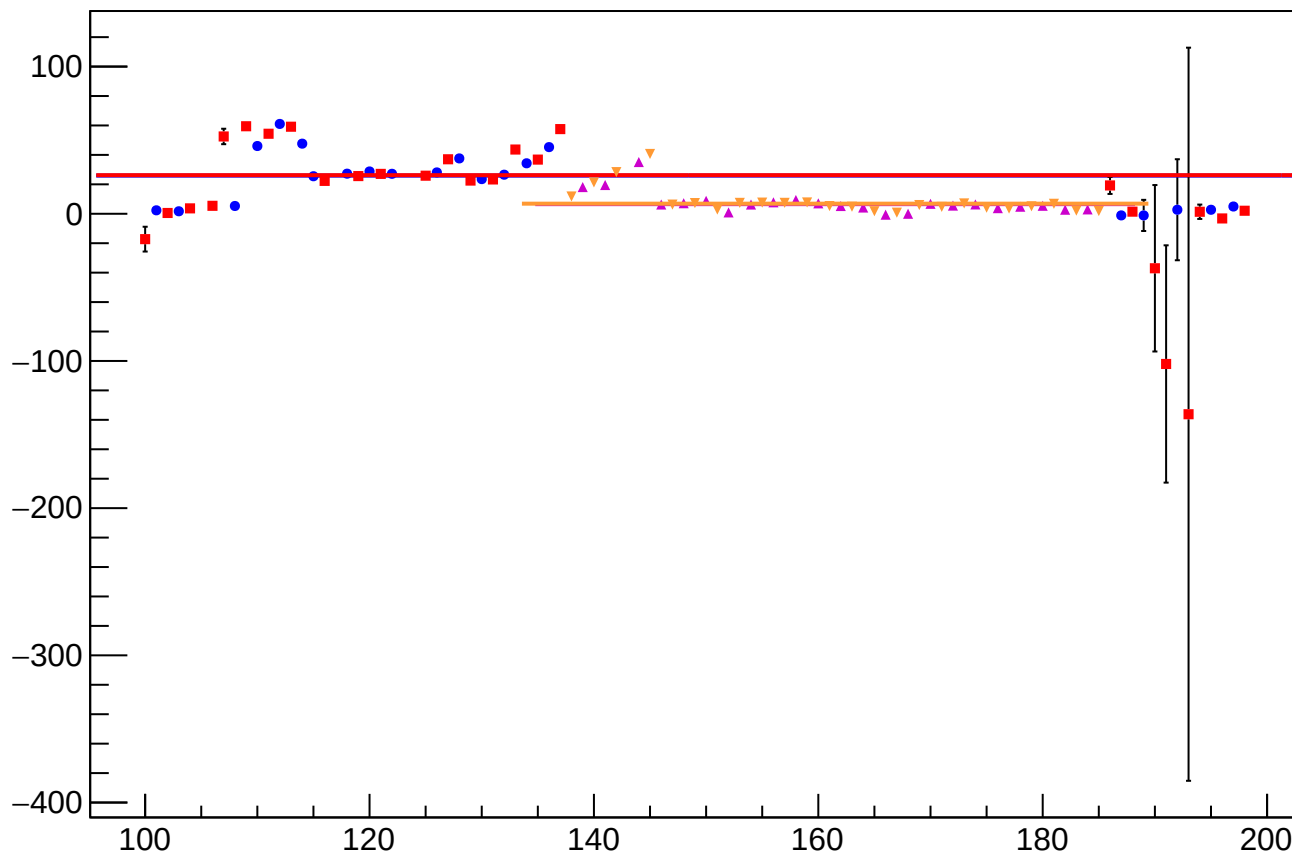
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.238 ± 0.122 χ^2/NDF : 663.1/44

All: 2.355 ± 0.087 χ^2/NDF : 1292.8/93

- sign 2.475 ± 0.124 χ^2/NDF : 627.8/48

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 25.934 $\pm$ 0.393 χ^2 /NDF: 2063.8/20

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF: 1295.7/23

Right Out: 26.214 $\pm$ 0.377 χ^2 /NDF: 2830.7/25

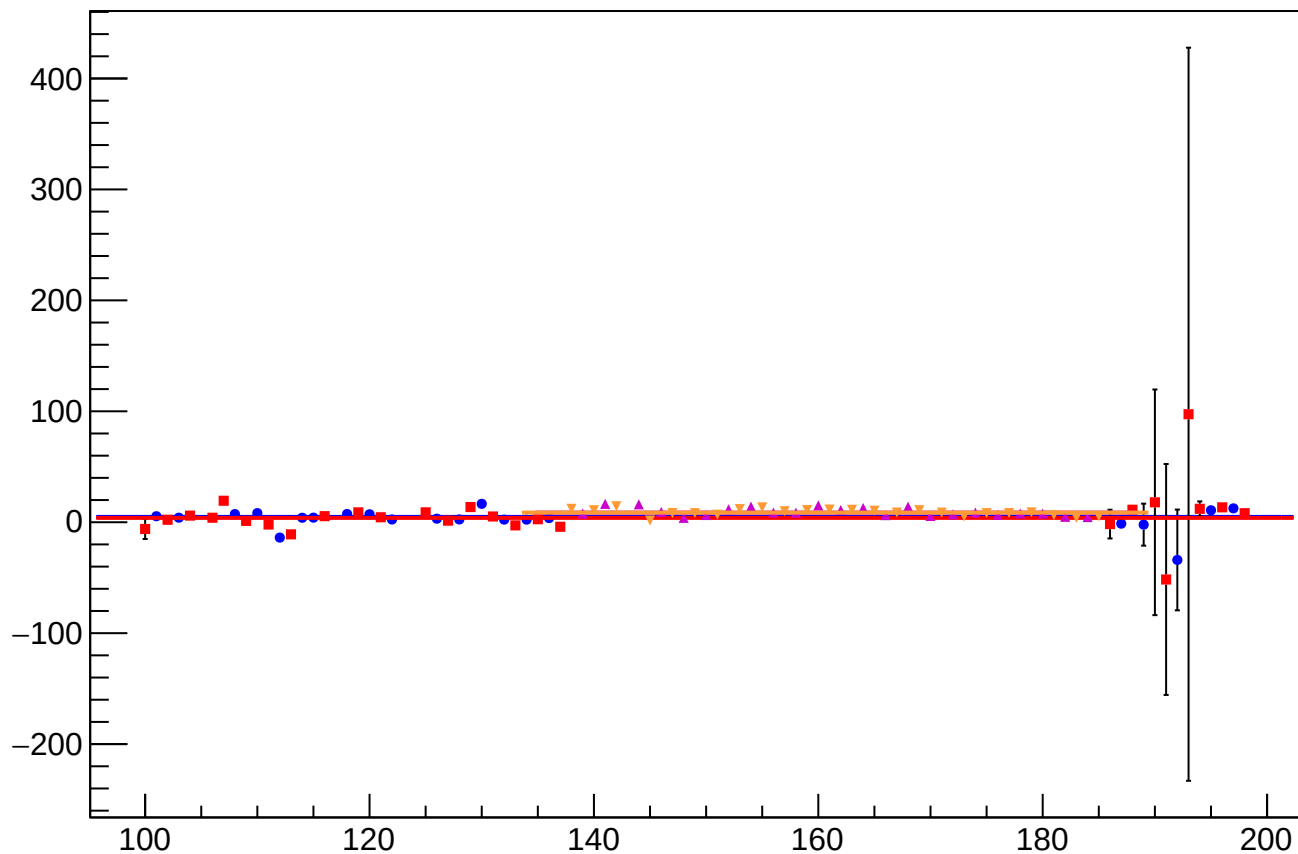
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.522 $\pm$ 0.172 χ^2 /NDF: 5262.8/44

All: 10.530 $\pm$ 0.121 χ^2 /NDF: 11291.2/93

- sign 10.538 $\pm$ 0.170 χ^2 /NDF: 6028.4/48

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.794 ± 0.253 χ^2/NDF : 556.5/20

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.925 ± 0.256 χ^2/NDF : 581.5/25

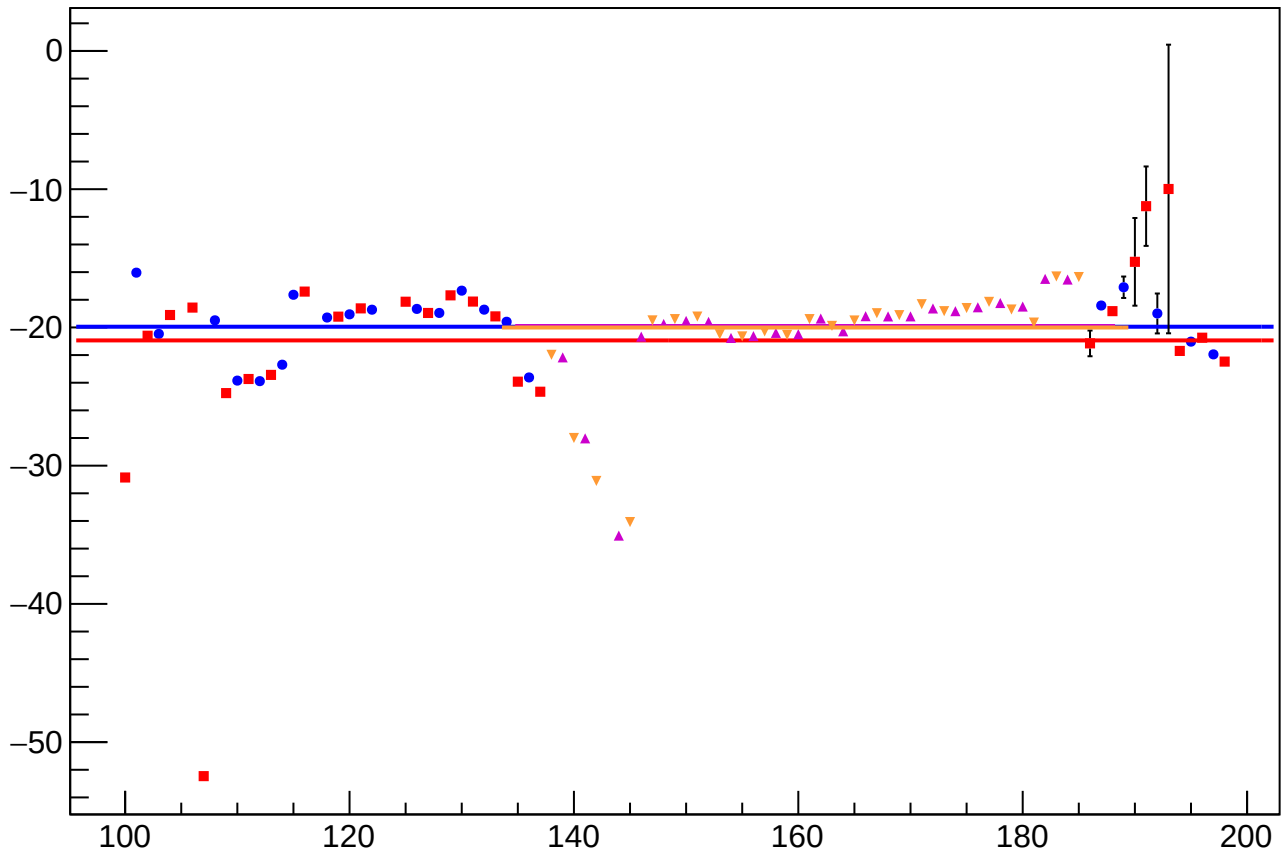
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.490 ± 0.140 χ^2/NDF : 962.0/44

All: 7.356 ± 0.100 χ^2/NDF : 2219.6/93

- sign 7.218 ± 0.142 χ^2/NDF : 1255.7/48

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.949 ± 0.015 χ^2/NDF : 26443.2/20

Left Out: -20.006 ± 0.008 χ^2/NDF : 171763.9/23

Right Out: -20.939 ± 0.015 χ^2/NDF : 94410.9/25

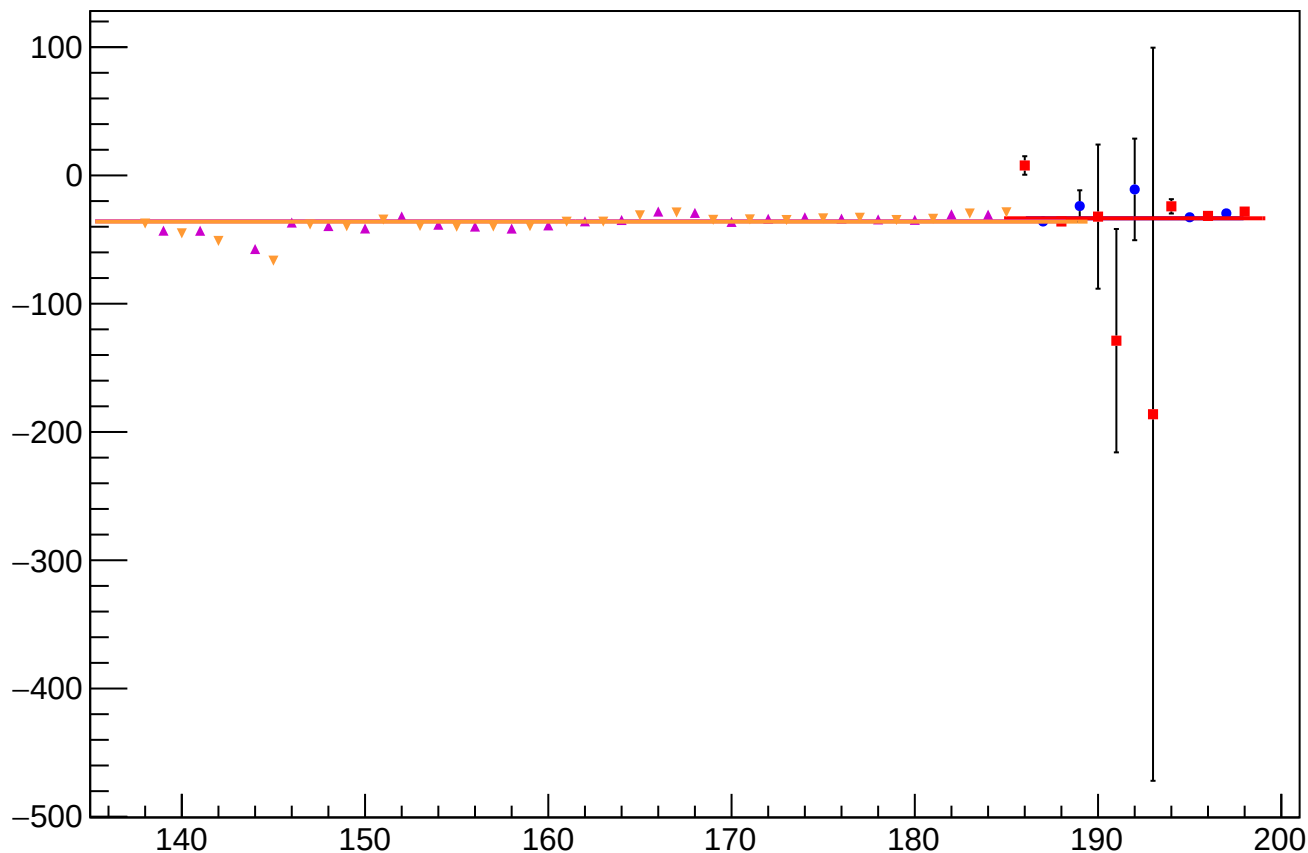
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.994 ± 0.007 χ^2/NDF : 198218.0/44

All: -20.054 ± 0.005 χ^2/NDF : 440624.8/93

- sign -20.114 ± 0.007 χ^2/NDF : 242259.4/48

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.414 ± 1.338 χ^2/NDF : 4.8/4

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -33.424 ± 1.012 χ^2/NDF : 44.2/7

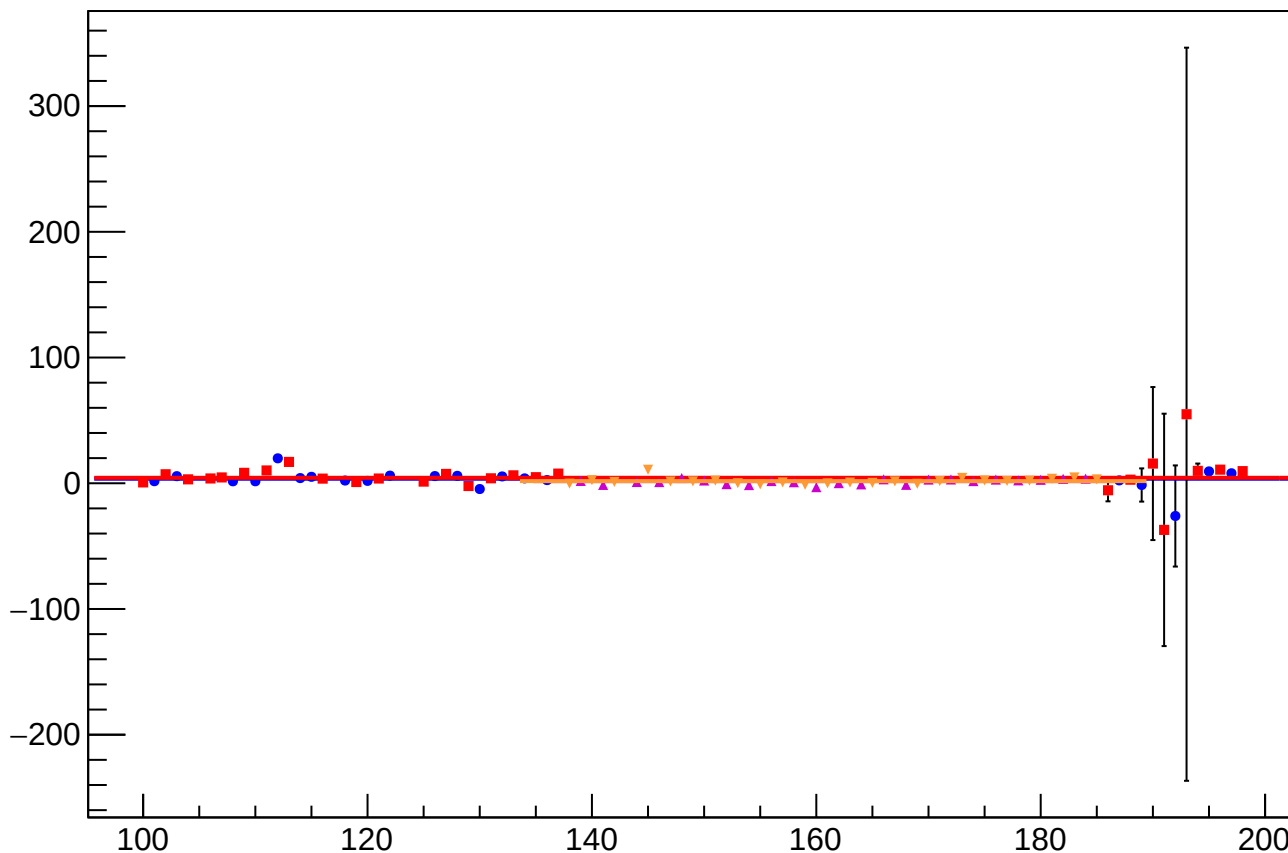
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.978 ± 0.190 χ^2/NDF : 1129.8/28

All: -35.830 ± 0.134 χ^2/NDF : 2022.9/59

- sign -35.686 ± 0.188 χ^2/NDF : 891.9/30

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.602 ± 0.219 χ^2/NDF : 443.6/20

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.341 ± 0.219 χ^2/NDF : 361.7/25

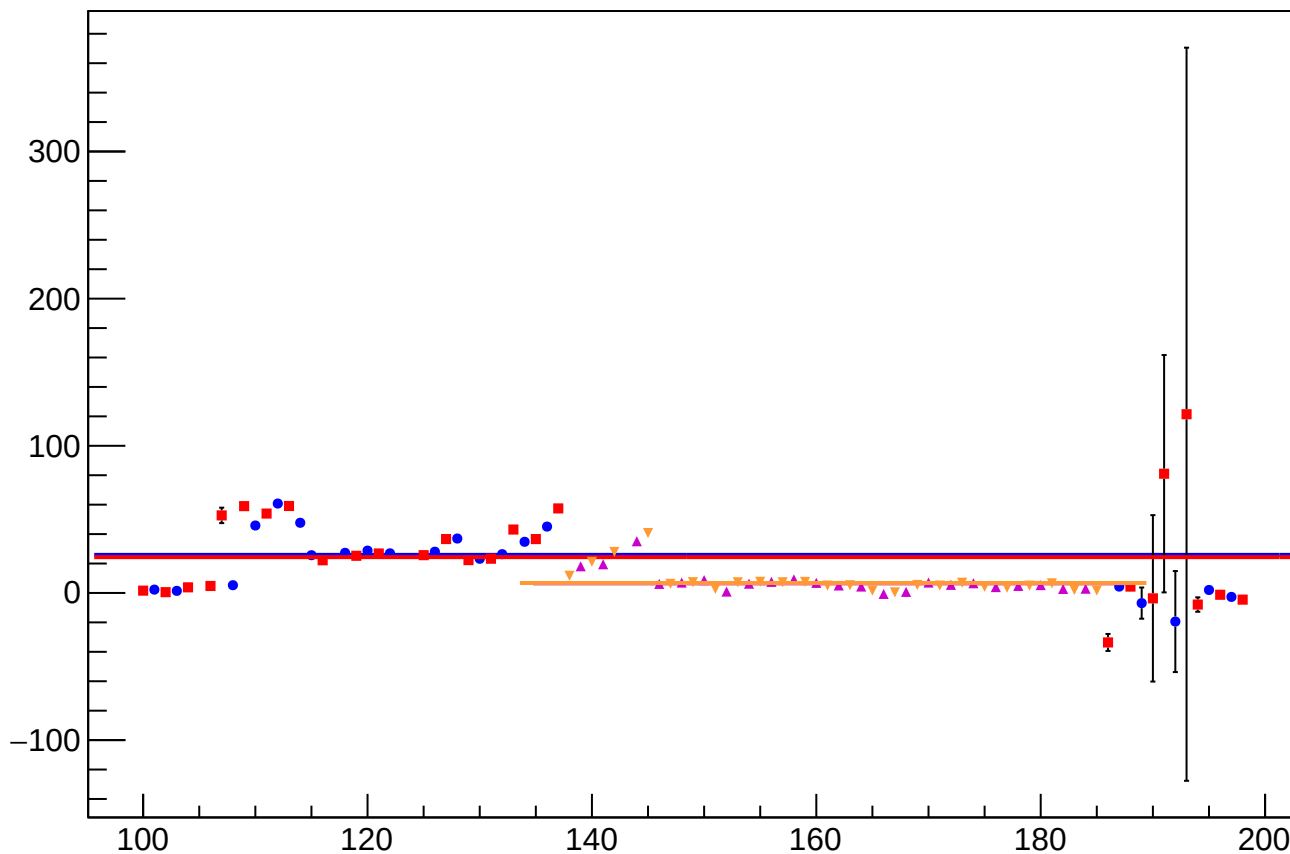
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.312 ± 0.122 χ^2/NDF : 662.4/44

All: 2.427 ± 0.087 χ^2/NDF : 1287.9/93

- sign 2.544 ± 0.123 χ^2/NDF : 623.8/48

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 25.885 ± 0.393 χ^2/NDF : 2025.6/20

Left Out: 6.779 ± 0.191 χ^2/NDF : 1297.7/23

Right Out: 24.338 ± 0.362 χ^2/NDF : 3105.4/25

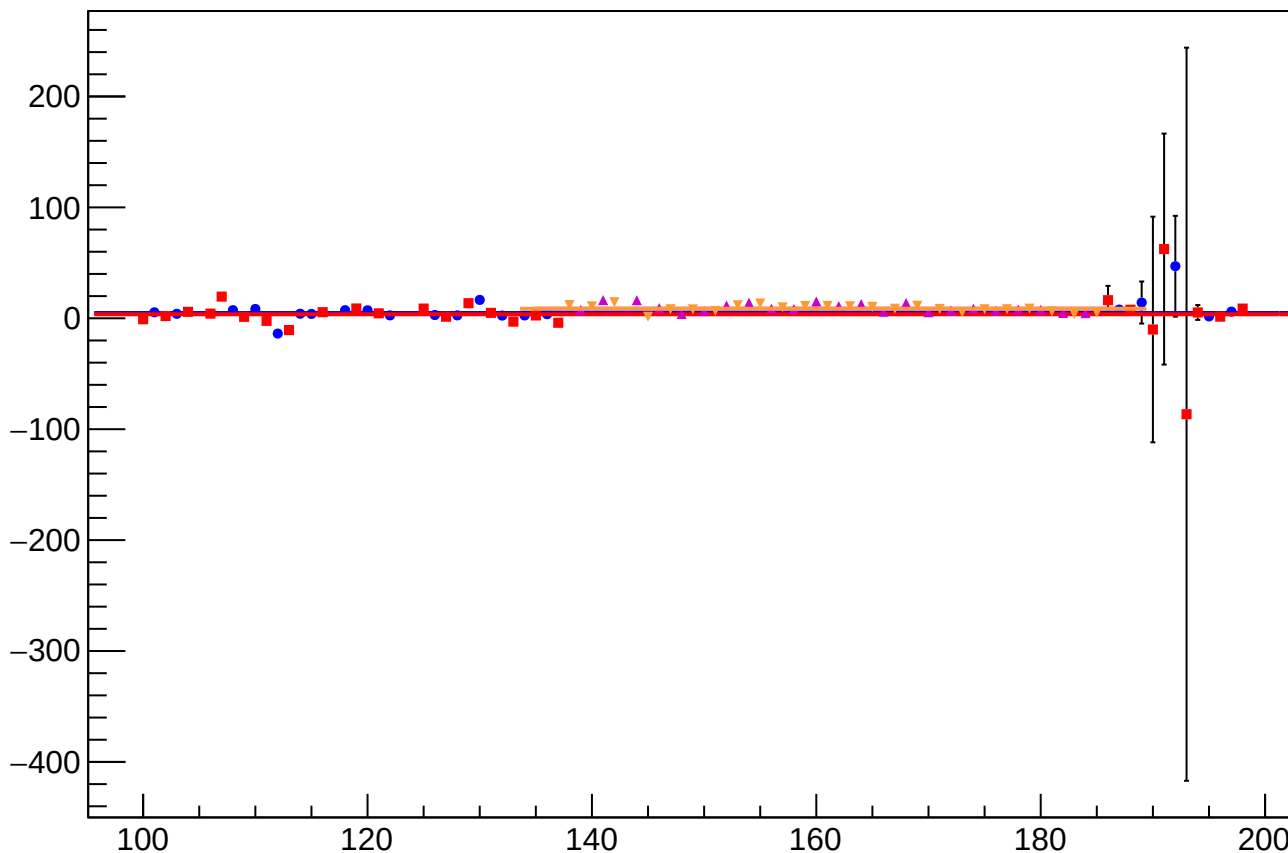
Left In: 6.532 ± 0.190 χ^2/NDF : 1018.2/22

+ sign 10.440 ± 0.172 χ^2/NDF : 5235.1/44

All: 10.410 ± 0.120 χ^2/NDF : 11251.4/93

- sign 10.381 ± 0.168 χ^2/NDF : 6016.3/48

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.755 ± 0.253 χ^2/NDF : 545.4/20

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.627 ± 0.252 χ^2/NDF : 576.0/25

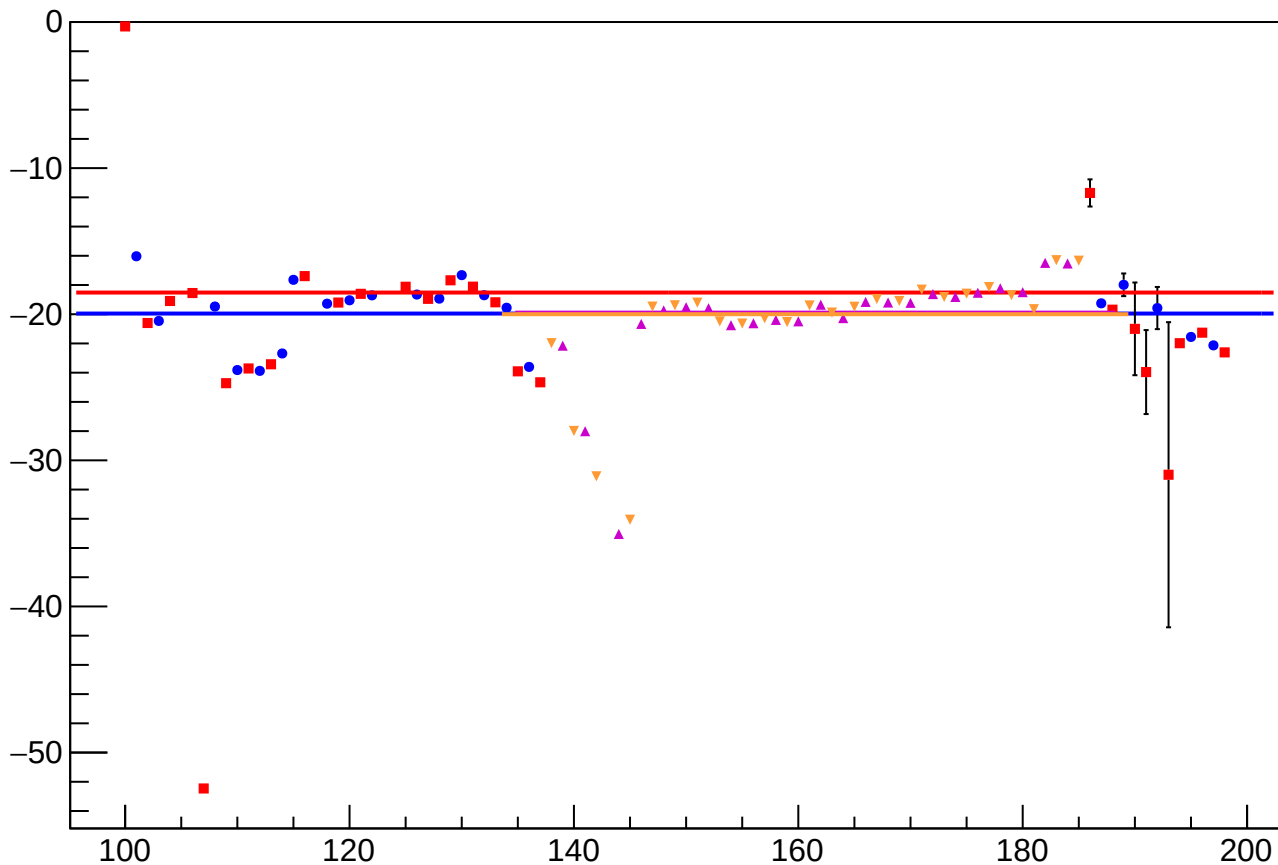
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.403 ± 0.140 χ^2/NDF : 949.8/44

All: 7.220 ± 0.099 χ^2/NDF : 2236.7/93

- sign 7.035 ± 0.141 χ^2/NDF : 1283.5/48

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.953 ± 0.015 $\chi^2/\text{NDF}: 26563.3/20$

Left Out: -19.998 ± 0.008 $\chi^2/\text{NDF}: 171944.6/23$

Right Out: -18.515 ± 0.014 $\chi^2/\text{NDF}: 303277.4/25$

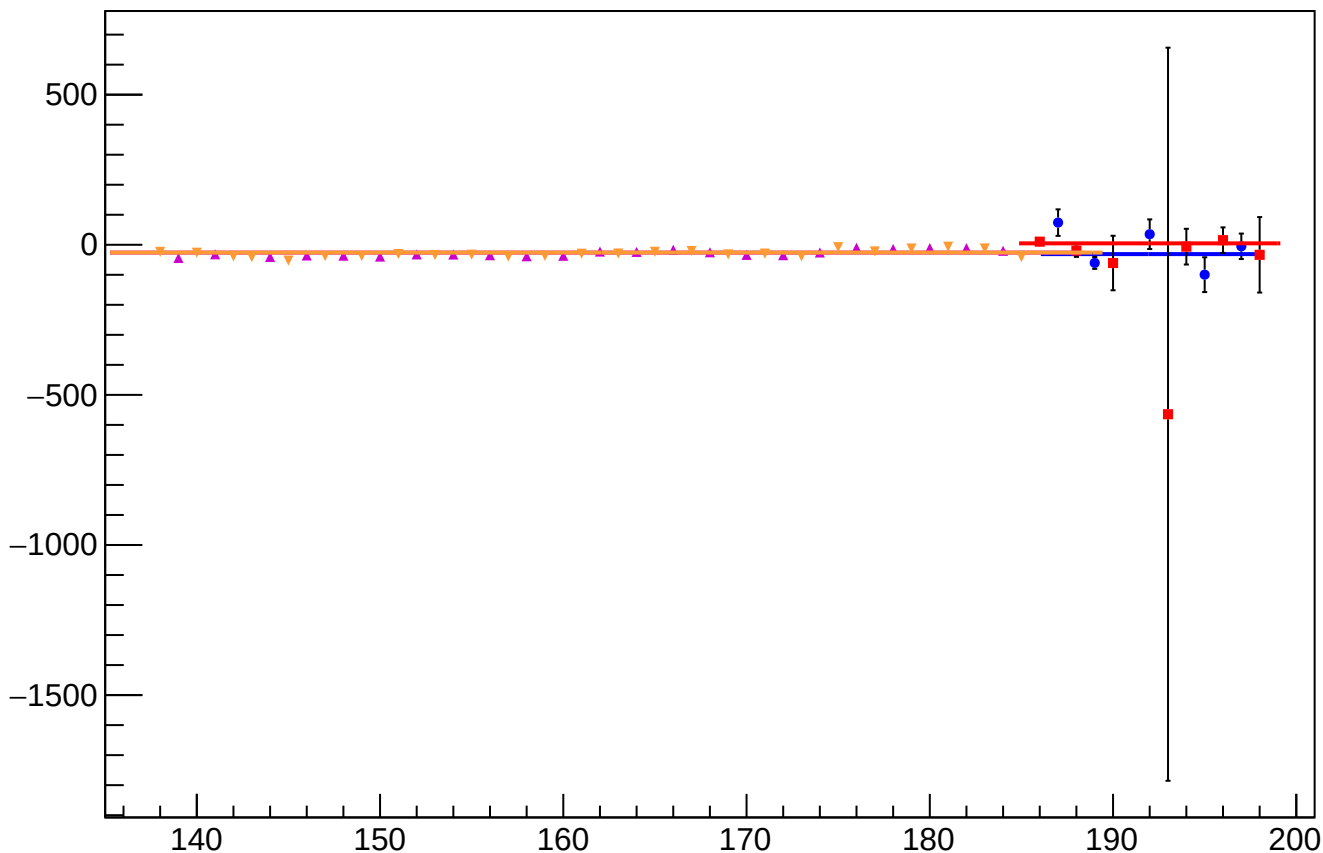
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -19.989 ± 0.007 $\chi^2/\text{NDF}: 198514.6/44$

All: -19.779 ± 0.005 $\chi^2/\text{NDF}: 654613.2/93$

- sign -19.577 ± 0.007 $\chi^2/\text{NDF}: 454345.6/48$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -31.047 ± 15.198 χ^2/NDF : 11.4/4

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 4.735 ± 8.297 χ^2/NDF : 2.6/6

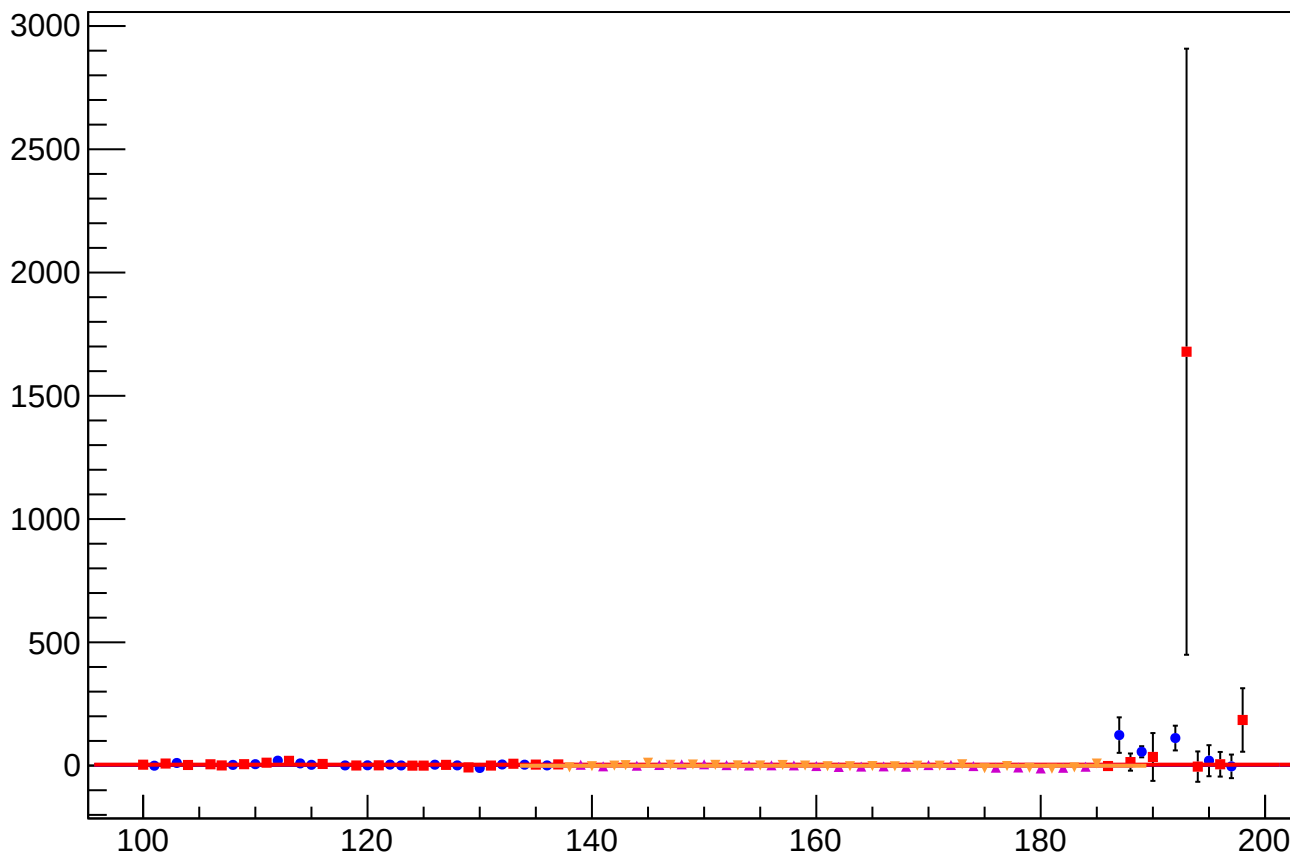
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.885 ± 0.192 χ^2/NDF : 4169.5/29

All: -25.959 ± 0.137 χ^2/NDF : 7465.7/59

- sign -26.035 ± 0.195 χ^2/NDF : 3295.9/29

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.472 ± 0.315 χ^2/NDF : 307.7/21

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.712 ± 0.327 χ^2/NDF : 273.4/25

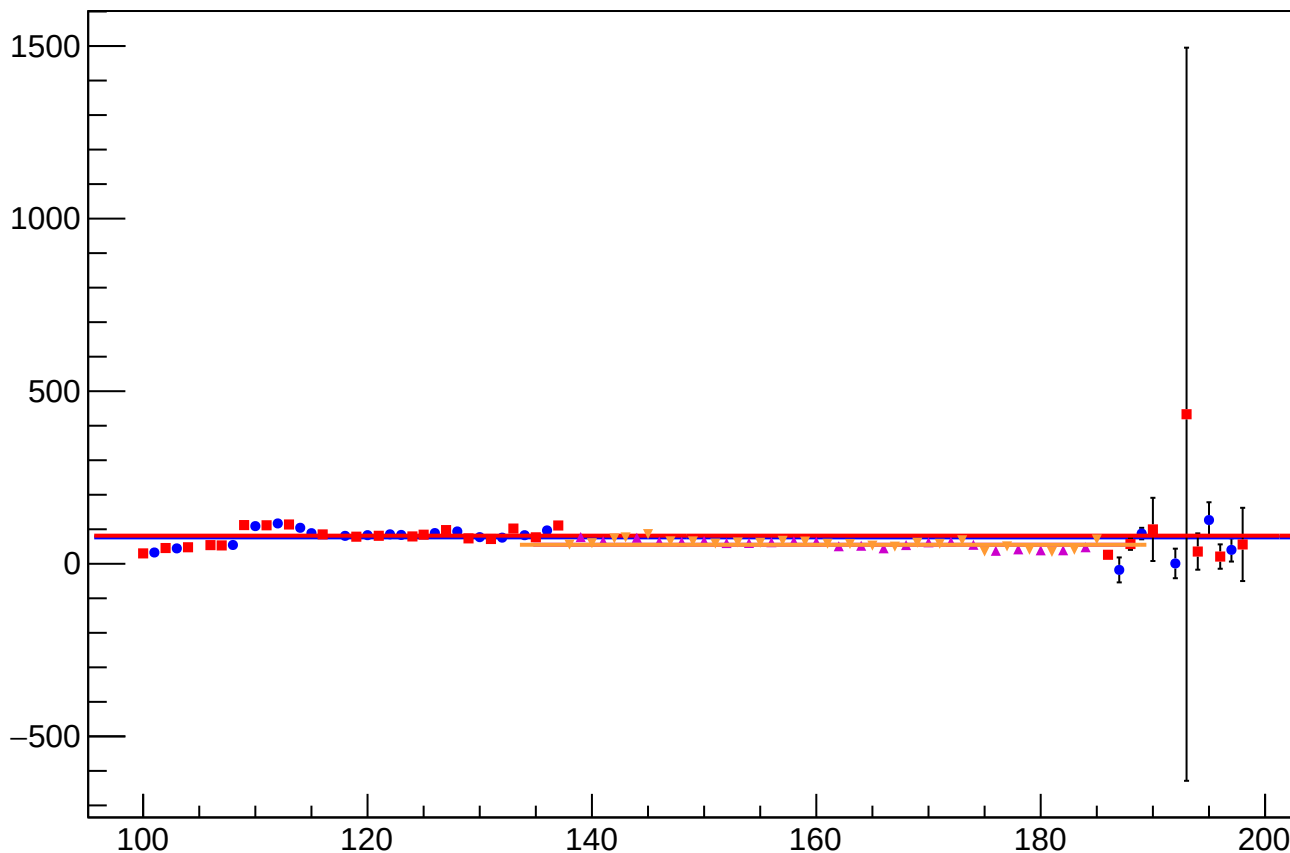
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.100 ± 0.133 χ^2/NDF : 1709.6/46

All: -0.082 ± 0.095 χ^2/NDF : 3211.4/95

- sign -0.062 ± 0.137 χ^2/NDF : 1501.8/48

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.526 ± 0.576 χ^2/NDF : 2265.2/21

Left Out: 55.098 ± 0.191 χ^2/NDF : 4579.3/24

Right Out: 81.495 ± 0.591 χ^2/NDF : 1630.5/25

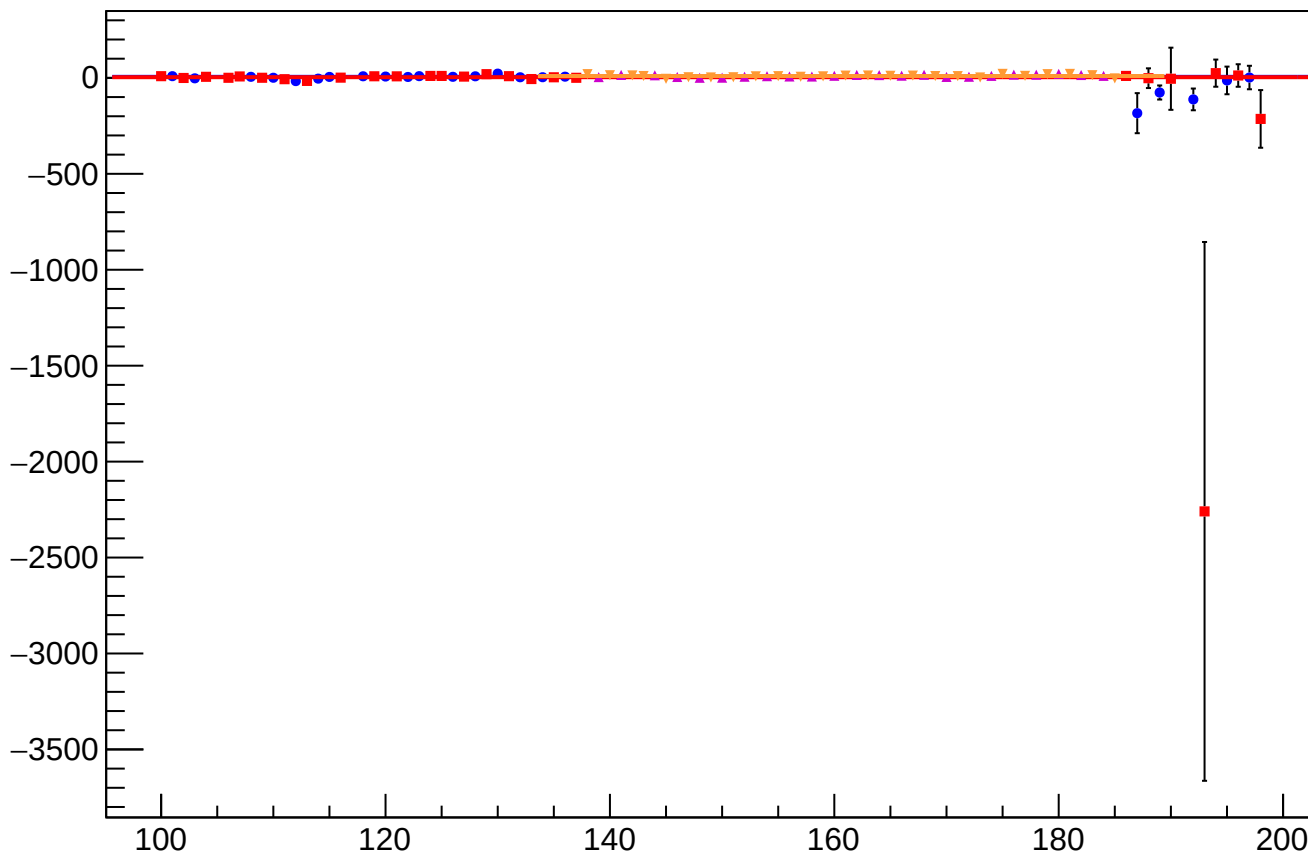
Left In: 55.070 ± 0.193 χ^2/NDF : 3702.8/22

+ sign 57.228 ± 0.182 χ^2/NDF : 8089.5/46

All: 57.427 ± 0.129 χ^2/NDF : 15233.3/95

- sign 57.631 ± 0.184 χ^2/NDF : 7141.3/48

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.412 +/- 0.361 χ^2/NDF : 398.3/21

Left Out: 9.737 +/- 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.584 +/- 0.375 χ^2/NDF : 426.6/25

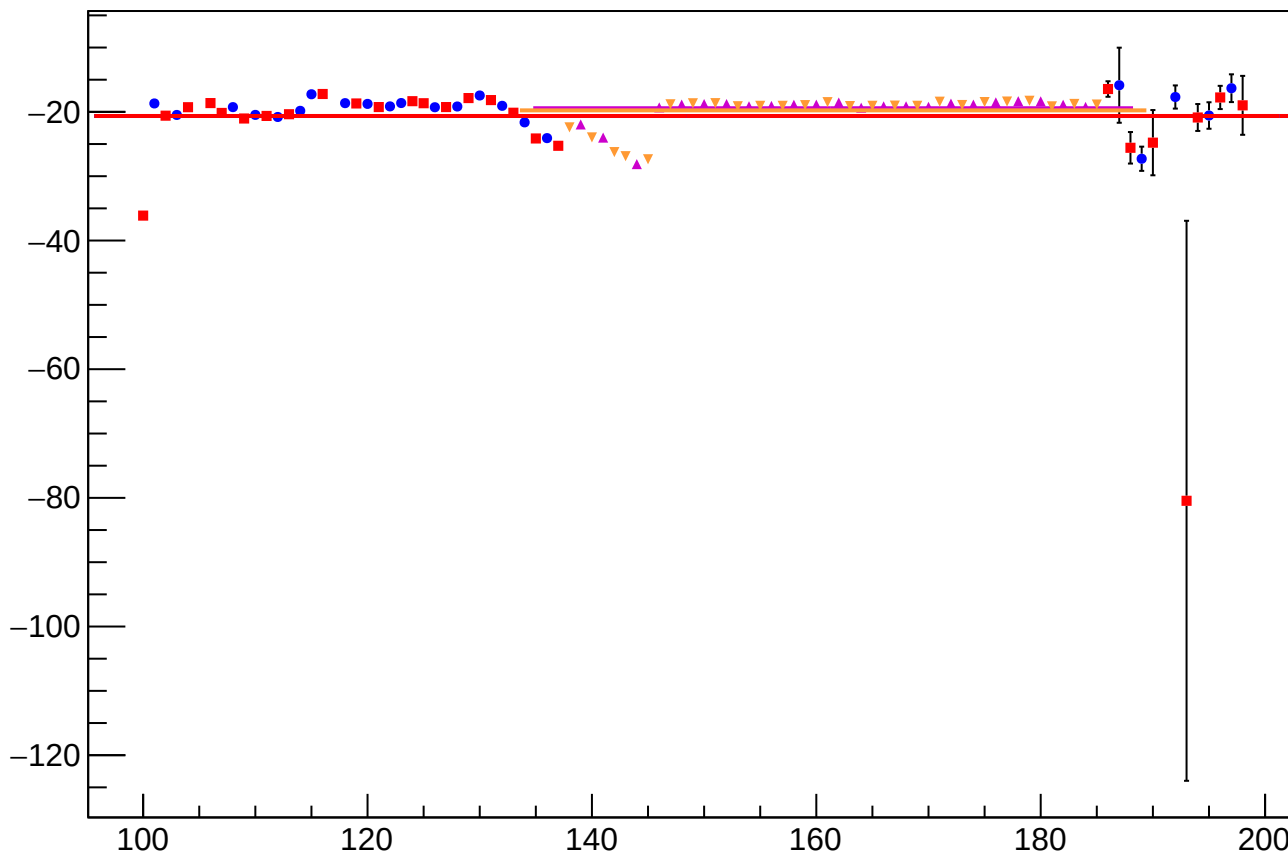
Left In: 9.803 +/- 0.172 χ^2/NDF : 1158.7/22

+ sign 8.968 +/- 0.152 χ^2/NDF : 1966.6/46

All: 8.851 +/- 0.109 χ^2/NDF : 3780.0/95

- sign 8.728 +/- 0.156 χ^2/NDF : 1812.3/48

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12444.0/21$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.639 ± 0.019 $\chi^2/\text{NDF}: 13807.2/25$

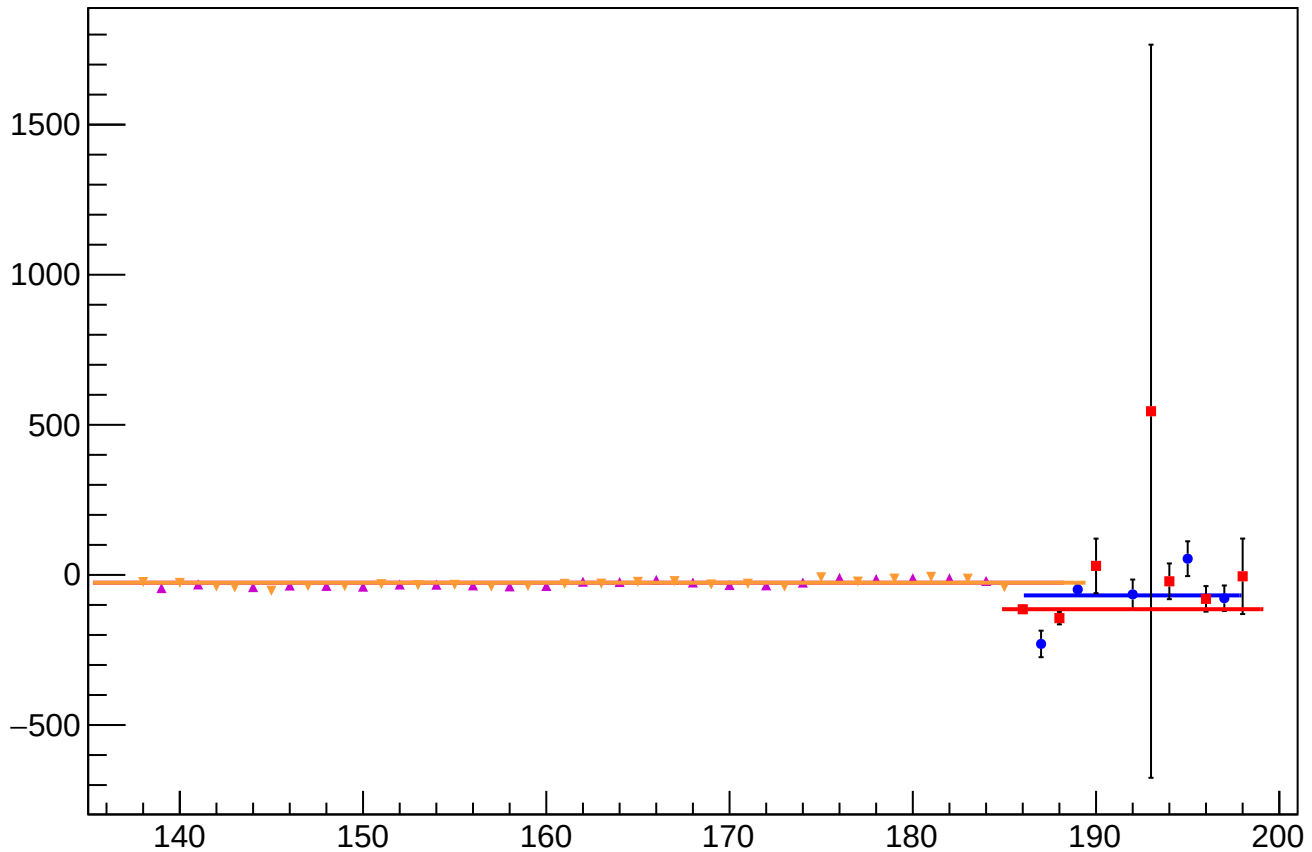
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105822.8/46$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176828.8/95$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70253.6/48$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -68.226 ± 15.210 χ^2/NDF : 18.9/4

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -114.173 ± 8.303 χ^2/NDF : 8.7/6

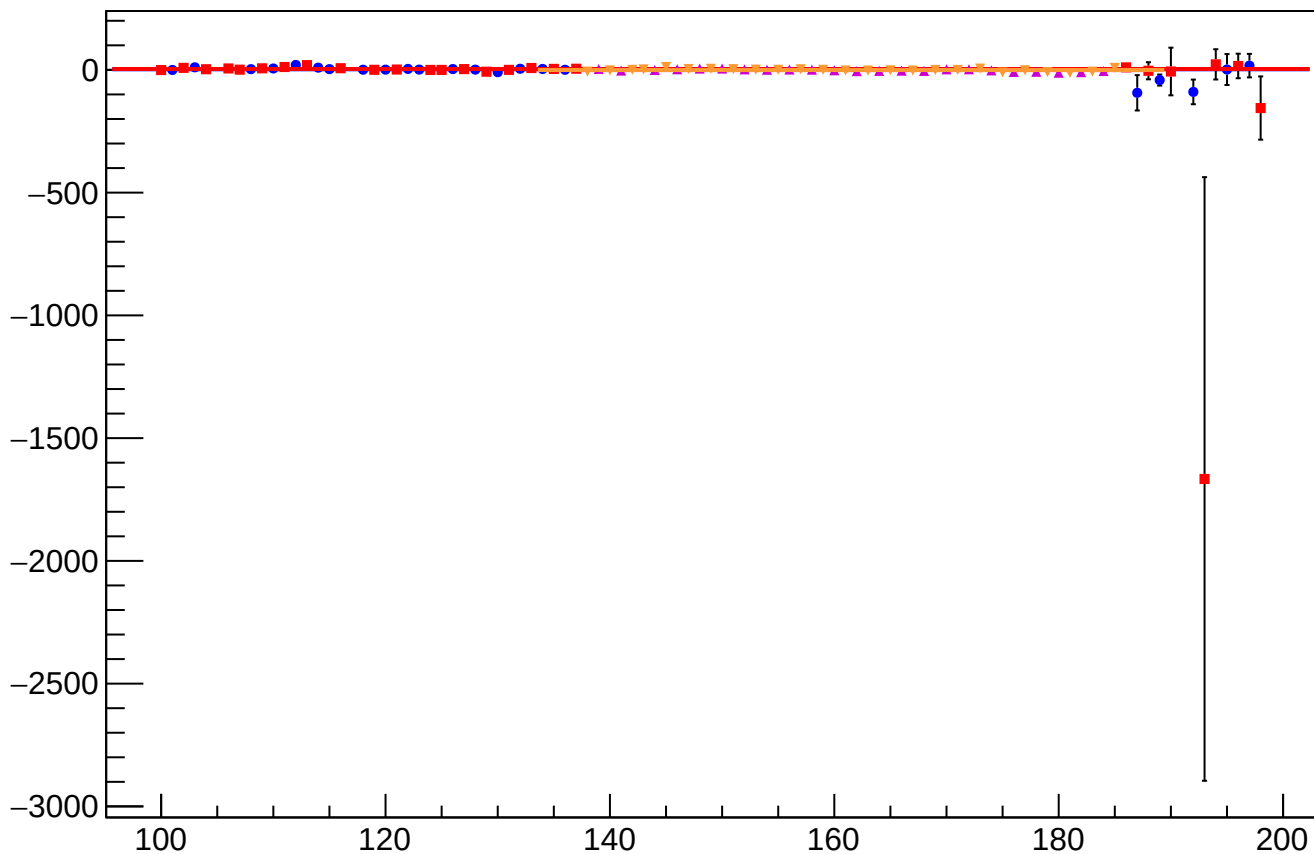
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.906 ± 0.192 χ^2/NDF : 4154.2/29

All: -25.999 ± 0.137 χ^2/NDF : 7522.7/59

- sign -26.095 ± 0.195 χ^2/NDF : 3368.0/29

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.442 ± 0.315 χ^2/NDF : 301.4/21

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.596 ± 0.318 χ^2/NDF : 284.0/25

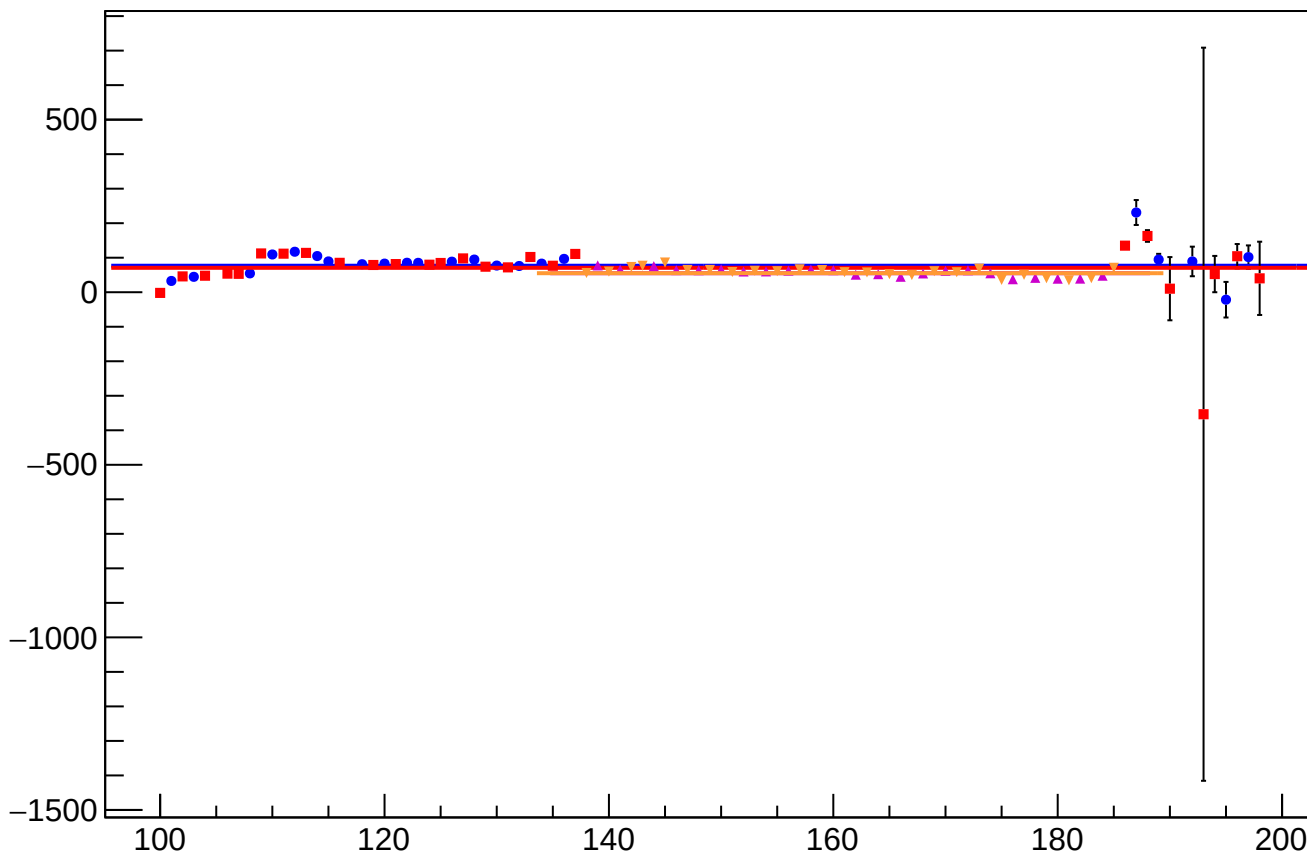
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1688.6/46

All: -0.025 ± 0.095 χ^2/NDF : 3234.8/95

- sign 0.009 ± 0.136 χ^2/NDF : 1546.0/48

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.733 $\pm$ 0.577 χ^2 /NDF: 2288.5/21

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.755 $\pm$ 0.549 χ^2 /NDF: 4490.8/25

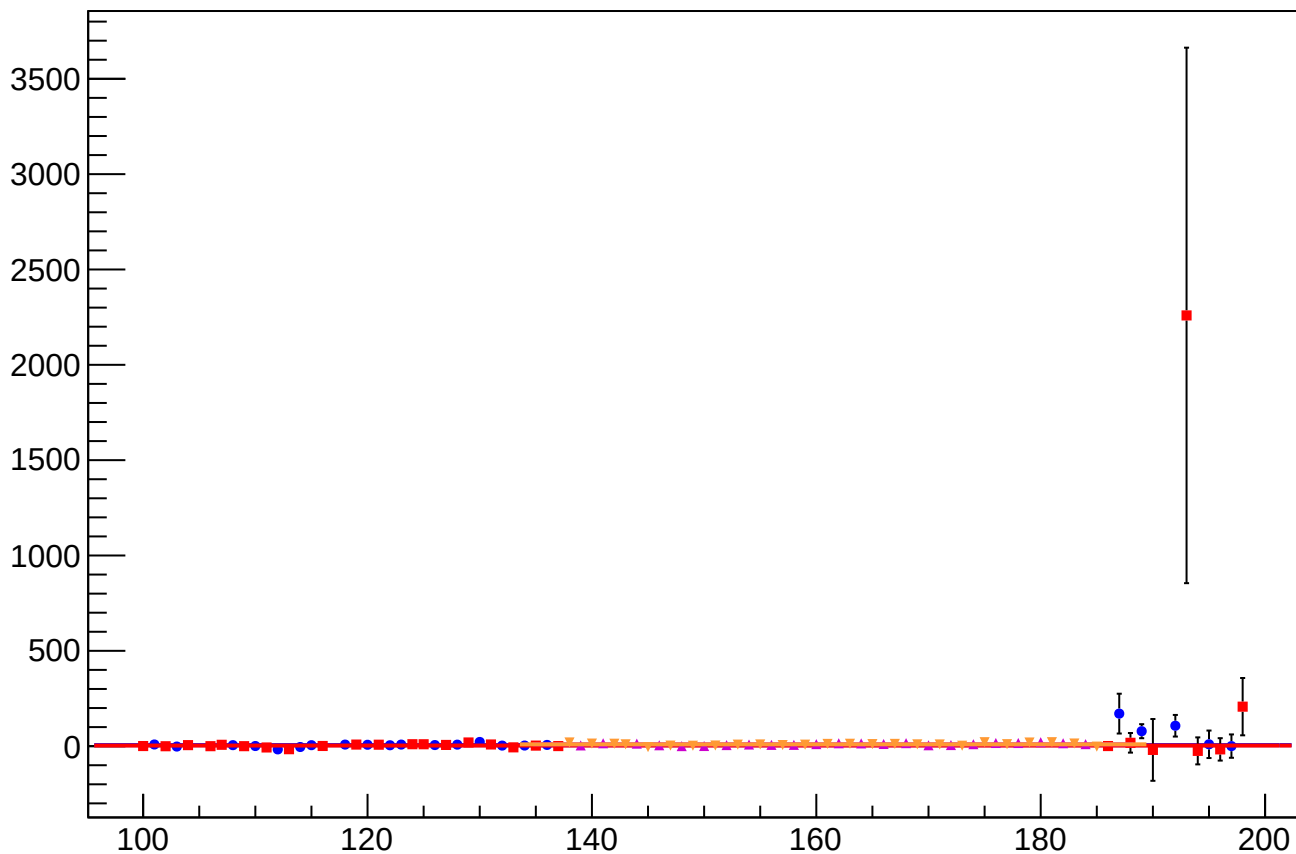
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.261 $\pm$ 0.182 χ^2 /NDF: 8114.9/46

All: 57.045 $\pm$ 0.129 χ^2 /NDF: 16997.6/95

- sign 56.828 $\pm$ 0.183 χ^2 /NDF: 8879.9/48

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.441 ± 0.361 χ^2/NDF : 393.9/21

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.279 ± 0.365 χ^2/NDF : 429.9/25

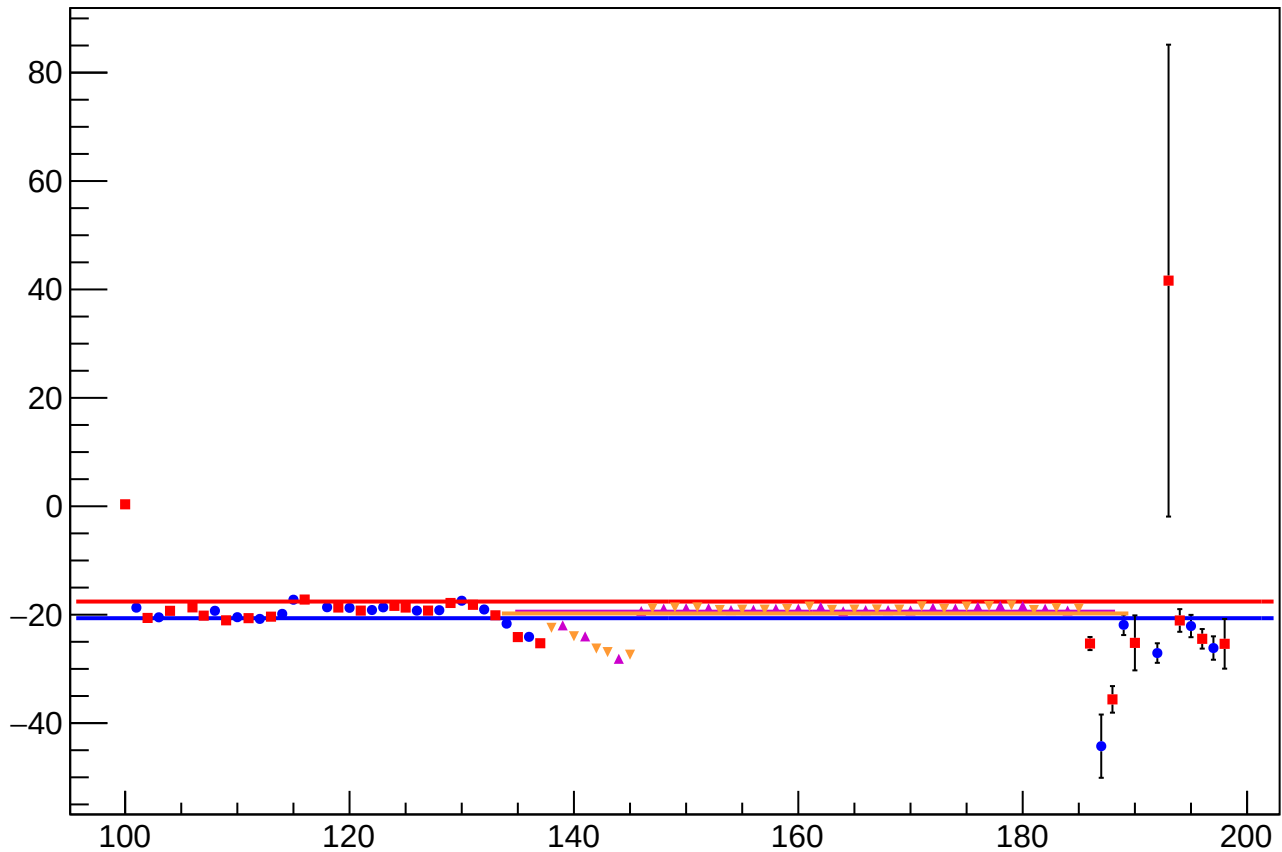
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1948.3/46

All: 8.750 ± 0.109 χ^2/NDF : 3827.7/95

- sign 8.569 ± 0.155 χ^2/NDF : 1876.8/48

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 $\chi^2/\text{NDF}: 12499.2/21$

Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91510.1/24$

Right Out: -17.575 ± 0.018 $\chi^2/\text{NDF}: 178437.7/25$

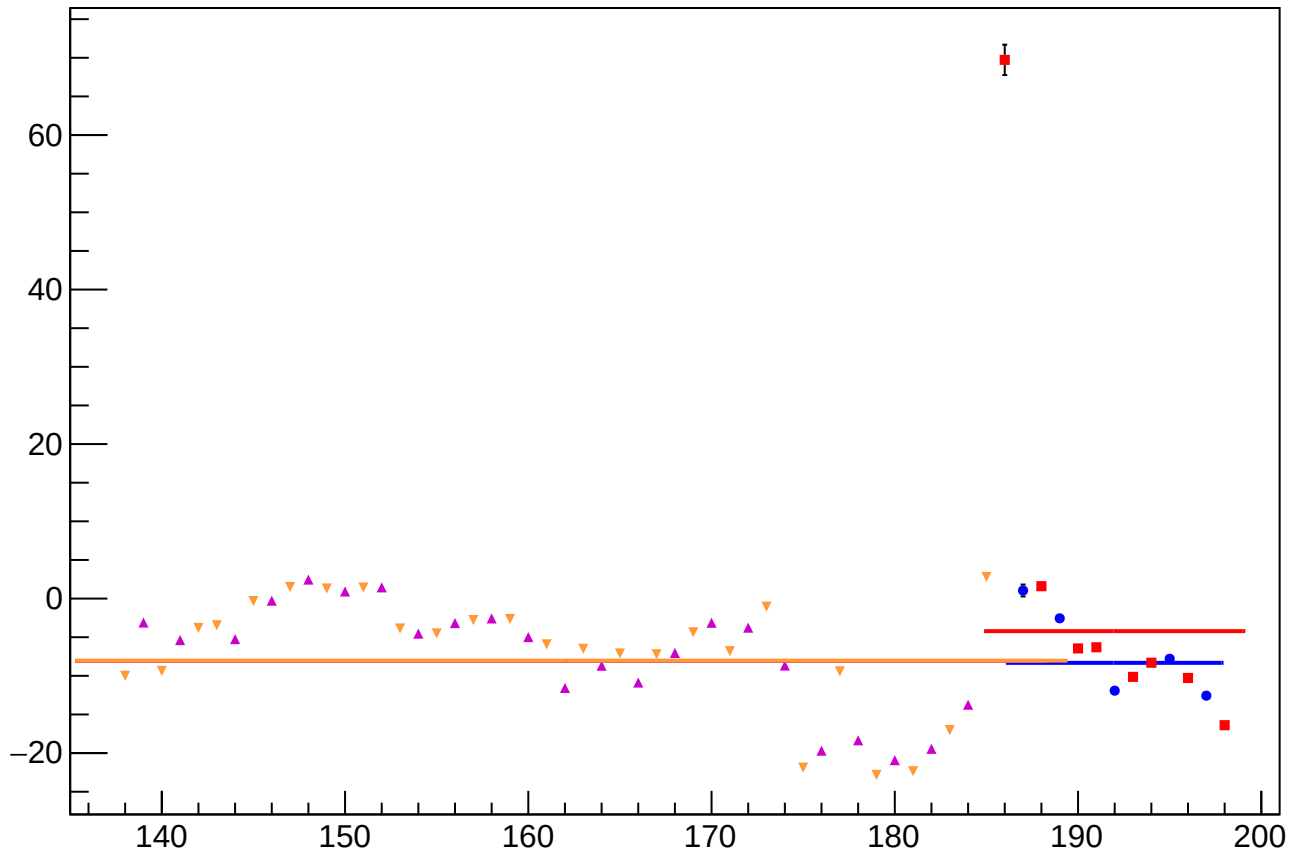
Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

+ sign -19.899 ± 0.007 $\chi^2/\text{NDF}: 105748.8/46$

All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351712.7/95$

- sign -19.140 ± 0.007 $\chi^2/\text{NDF}: 240552.1/48$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -8.318 ± 0.185 χ^2/NDF : 583.3/4

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -4.215 ± 0.125 χ^2/NDF : 3749.6/7

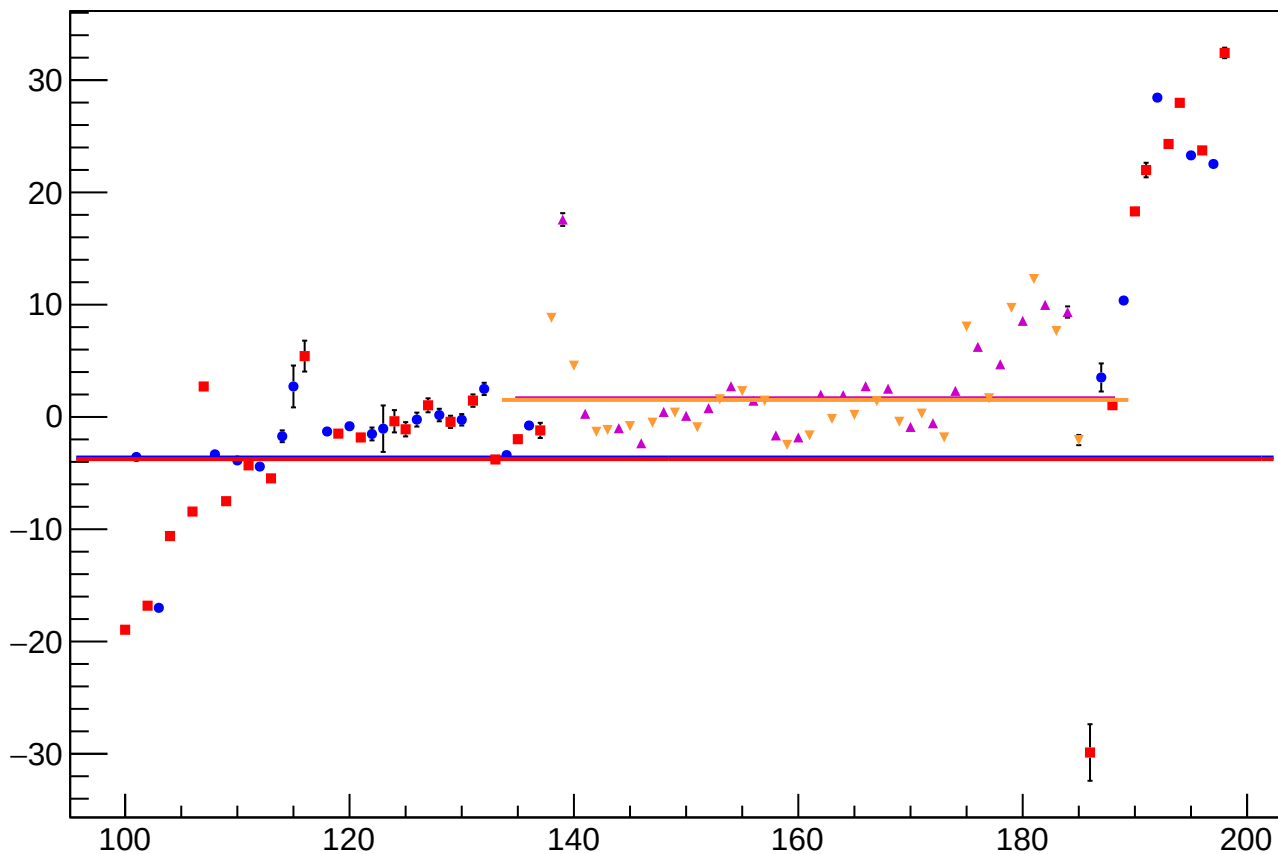
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -8.070 ± 0.066 χ^2/NDF : 13153.4/29

All: -7.566 ± 0.045 χ^2/NDF : 28276.1/60

- sign -7.114 ± 0.062 χ^2/NDF : 15011.2/30

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -3.613 ± 0.053 $\chi^2/\text{NDF}: 26453.1/21$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -3.753 ± 0.055 $\chi^2/\text{NDF}: 41842.4/26$

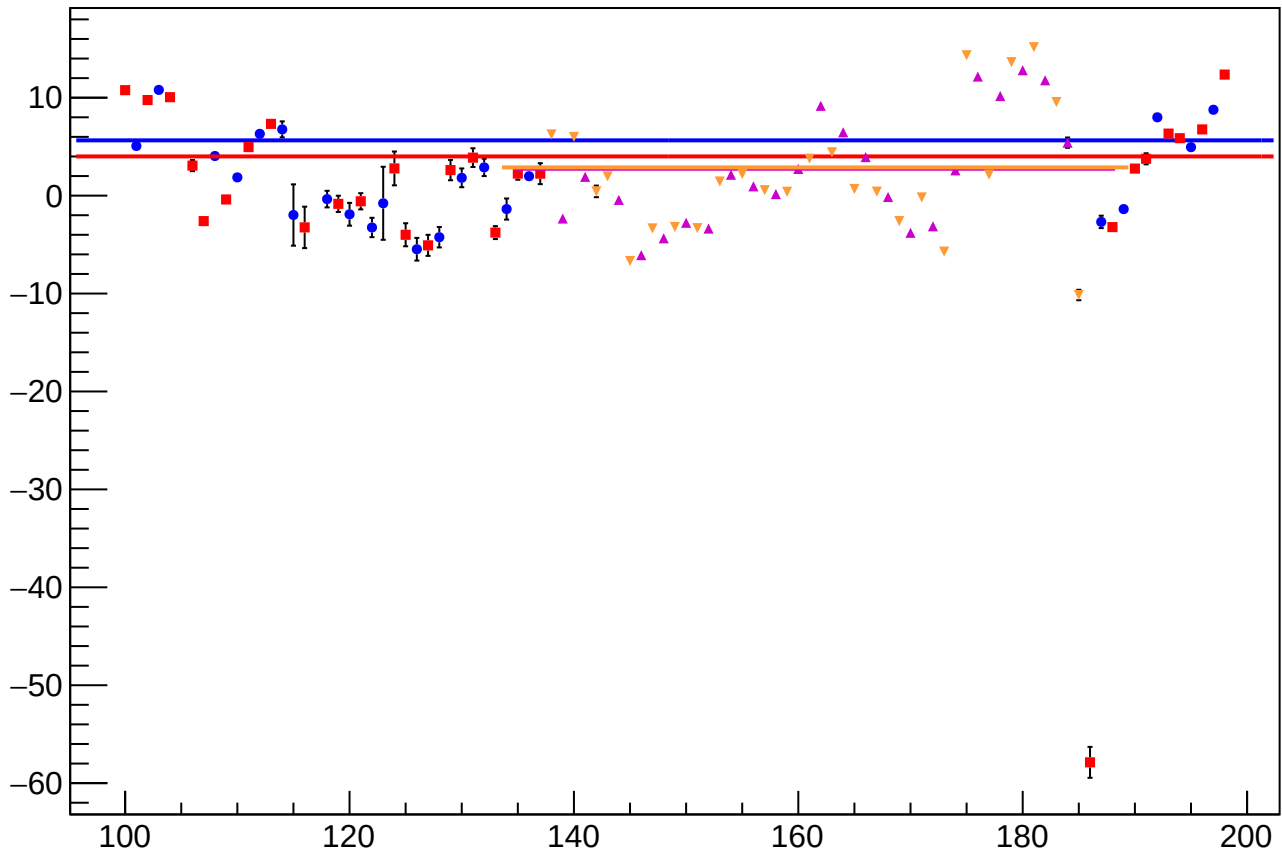
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign -1.114 ± 0.038 $\chi^2/\text{NDF}: 35871.5/46$

All: -1.119 ± 0.027 $\chi^2/\text{NDF}: 86462.5/96$

- sign -1.124 ± 0.039 $\chi^2/\text{NDF}: 50590.9/49$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.646 ± 0.078 χ^2/NDF : 2146.9/21

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 4.005 ± 0.070 χ^2/NDF : 7601.0/26

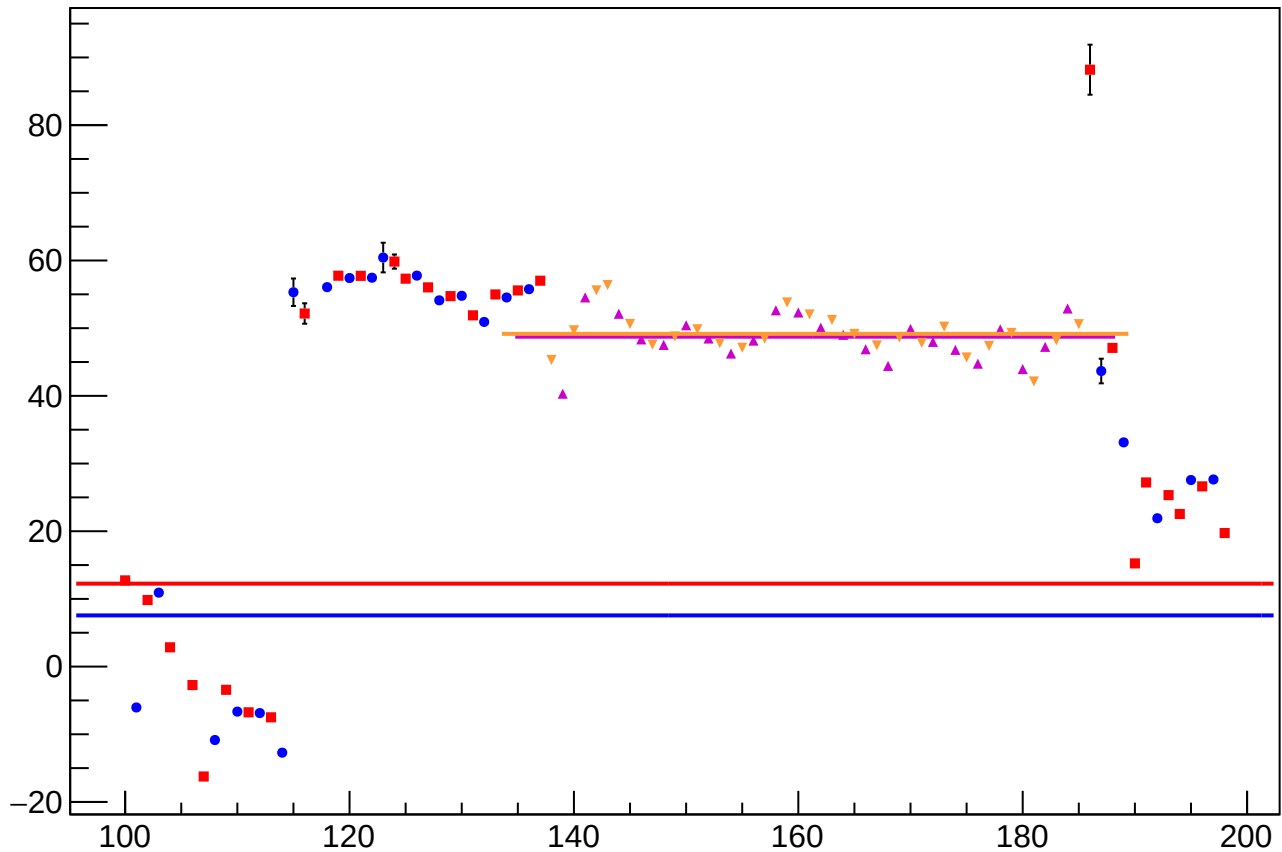
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 4.116 ± 0.052 χ^2/NDF : 11729.3/46

All: 3.736 ± 0.036 χ^2/NDF : 26773.3/96

- sign 3.386 ± 0.050 χ^2/NDF : 14942.3/49

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 7.561 ± 0.063 χ^2/NDF : 127534.5/21

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 12.255 ± 0.066 χ^2/NDF : 133489.8/26

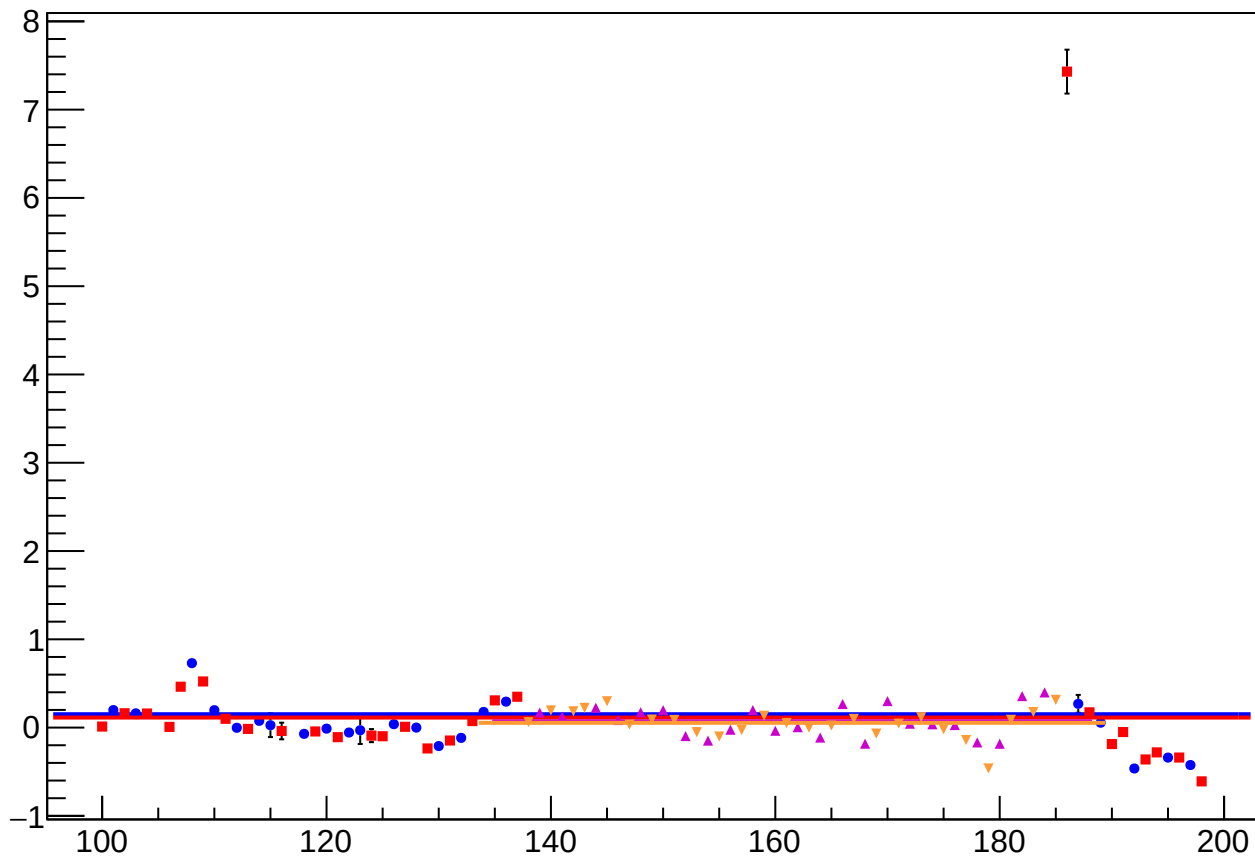
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.691 ± 0.044 χ^2/NDF : 353222.7/46

All: 29.799 ± 0.032 χ^2/NDF : 649409.7/96

- sign 30.994 ± 0.046 χ^2/NDF : 294868.6/49

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.151 ± 0.003 χ^2/NDF : 9089.1/21

Left Out: 0.054 ± 0.003 χ^2/NDF : 2379.8/24

Right Out: 0.114 ± 0.002 χ^2/NDF : 9458.4/26

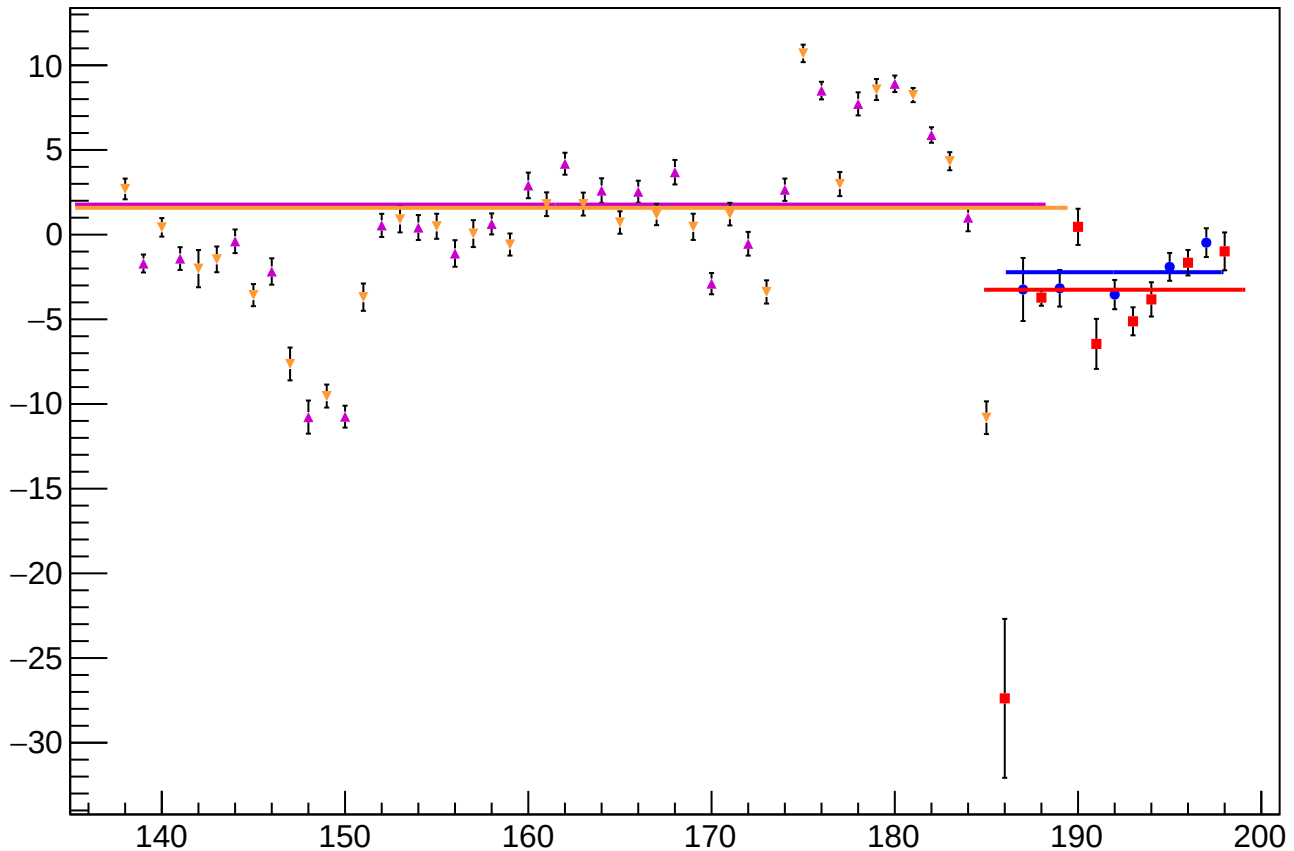
Left In: 0.070 ± 0.003 χ^2/NDF : 3233.8/22

+ sign 0.107 ± 0.002 χ^2/NDF : 12111.4/46

All: 0.101 ± 0.001 χ^2/NDF : 24952.5/96

- sign 0.095 ± 0.002 χ^2/NDF : 12822.8/49

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.218 ± 0.432 χ^2/NDF : 7.8/4

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.254 ± 0.305 χ^2/NDF : 58.2/7

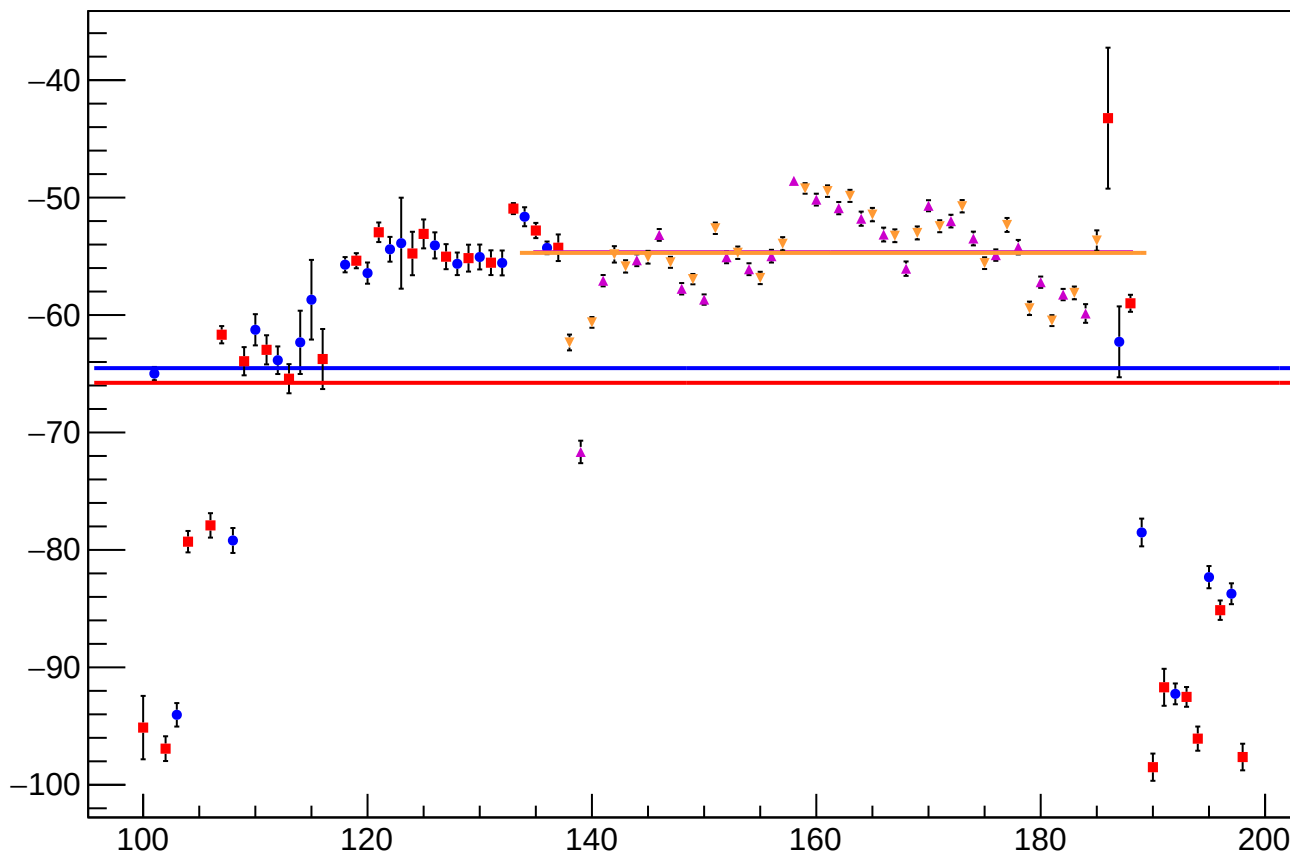
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 1.257 ± 0.127 χ^2/NDF : 1537.3/29

All: 1.097 ± 0.089 χ^2/NDF : 3123.5/60

- sign 0.946 ± 0.124 χ^2/NDF : 1583.1/30

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -64.521 ± 0.203 $\chi^2/\text{NDF}: 4318.4/21$

Left Out: -54.707 ± 0.106 $\chi^2/\text{NDF}: 1126.0/24$

Right Out: -65.772 ± 0.183 $\chi^2/\text{NDF}: 8201.0/26$

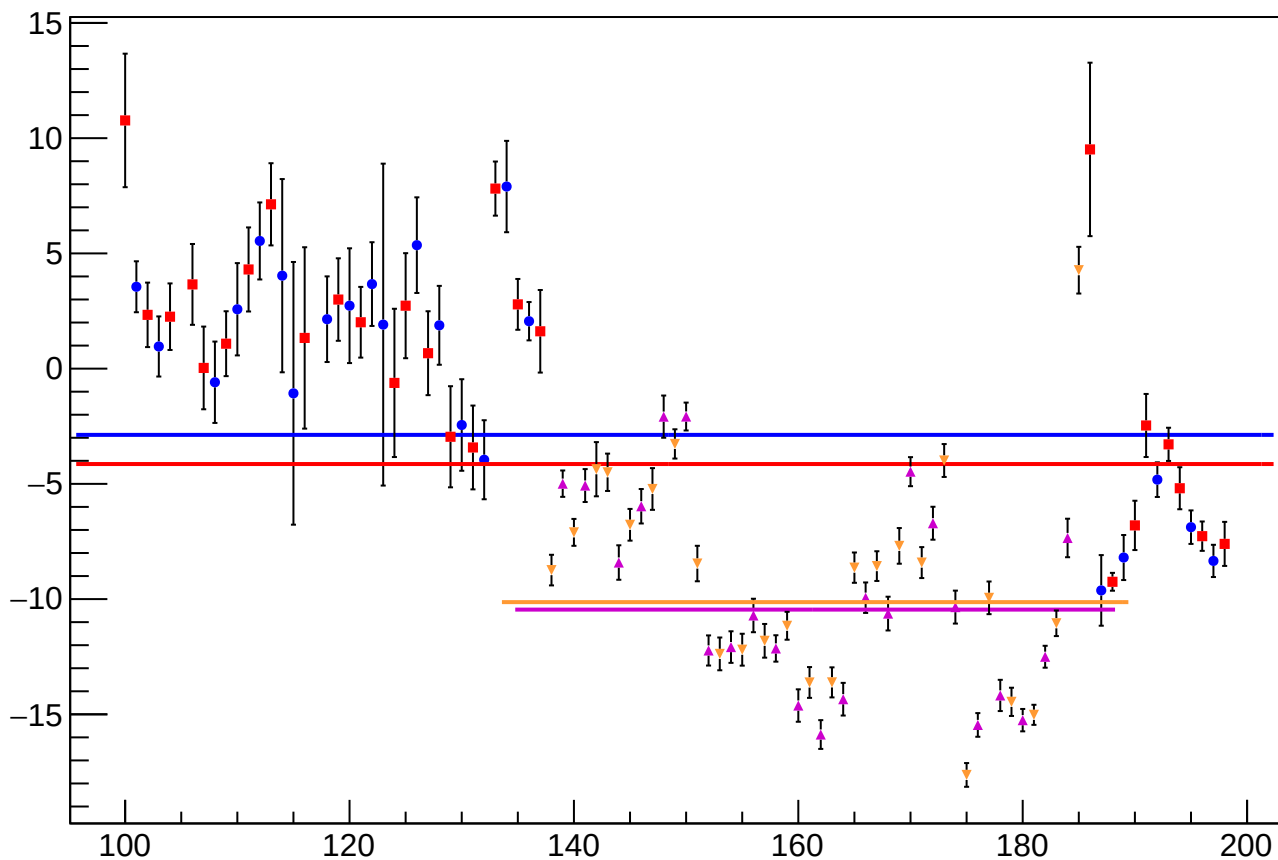
Left In: -54.650 ± 0.110 $\chi^2/\text{NDF}: 1077.1/22$

+ sign -56.796 ± 0.094 $\chi^2/\text{NDF}: 7279.5/46$

All: -57.195 ± 0.066 $\chi^2/\text{NDF}: 19312.9/96$

- sign -57.596 ± 0.094 $\chi^2/\text{NDF}: 11997.2/49$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -2.874 ± 0.275 χ^2/NDF : 341.4/21

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -4.140 ± 0.216 χ^2/NDF : 607.6/26

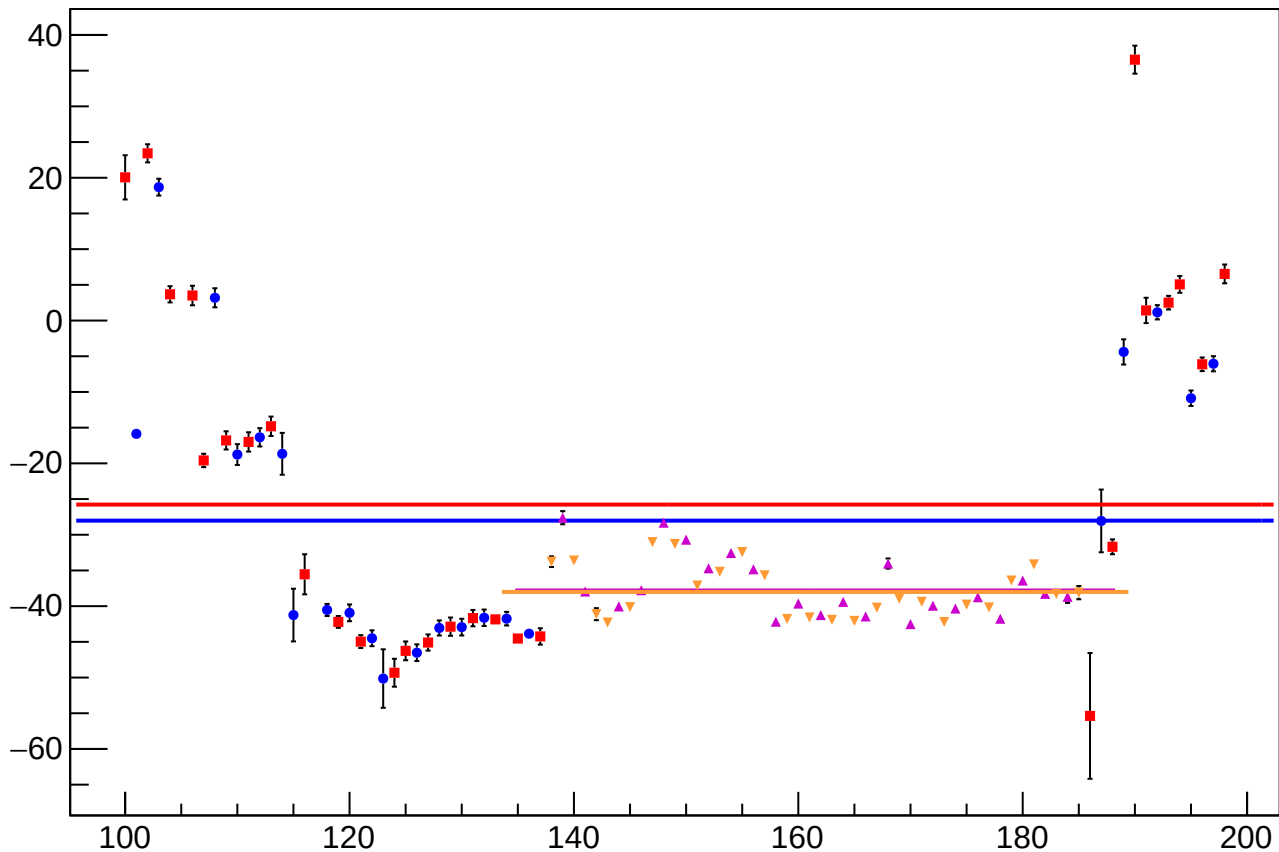
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.757 ± 0.120 χ^2/NDF : 1962.3/46

All: -8.720 ± 0.083 χ^2/NDF : 4189.2/96

- sign -8.687 ± 0.114 χ^2/NDF : 2226.7/49

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -28.025 ± 0.233 χ^2/NDF : 6679.7/21

Left Out: -38.006 ± 0.119 χ^2/NDF : 946.0/24

Right Out: -25.774 ± 0.214 χ^2/NDF : 10685.0/26

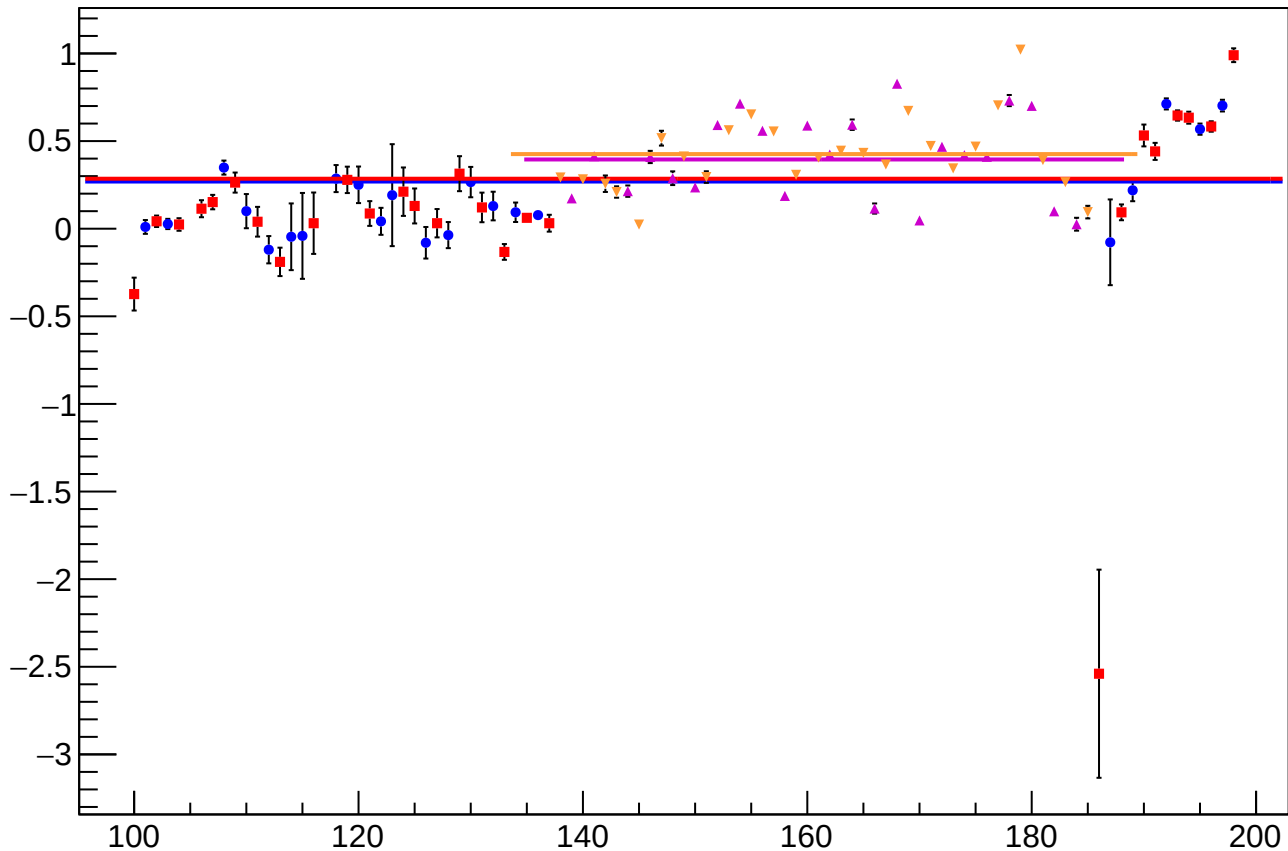
Left In: -37.809 ± 0.122 χ^2/NDF : 1039.9/22

+ sign -35.954 ± 0.106 χ^2/NDF : 9078.8/46

All: -35.406 ± 0.075 χ^2/NDF : 23235.6/96

- sign -34.853 ± 0.106 χ^2/NDF : 14103.0/49

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.269 ± 0.010 χ^2/NDF : 730.5/21

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.285 ± 0.009 χ^2/NDF : 1175.7/26

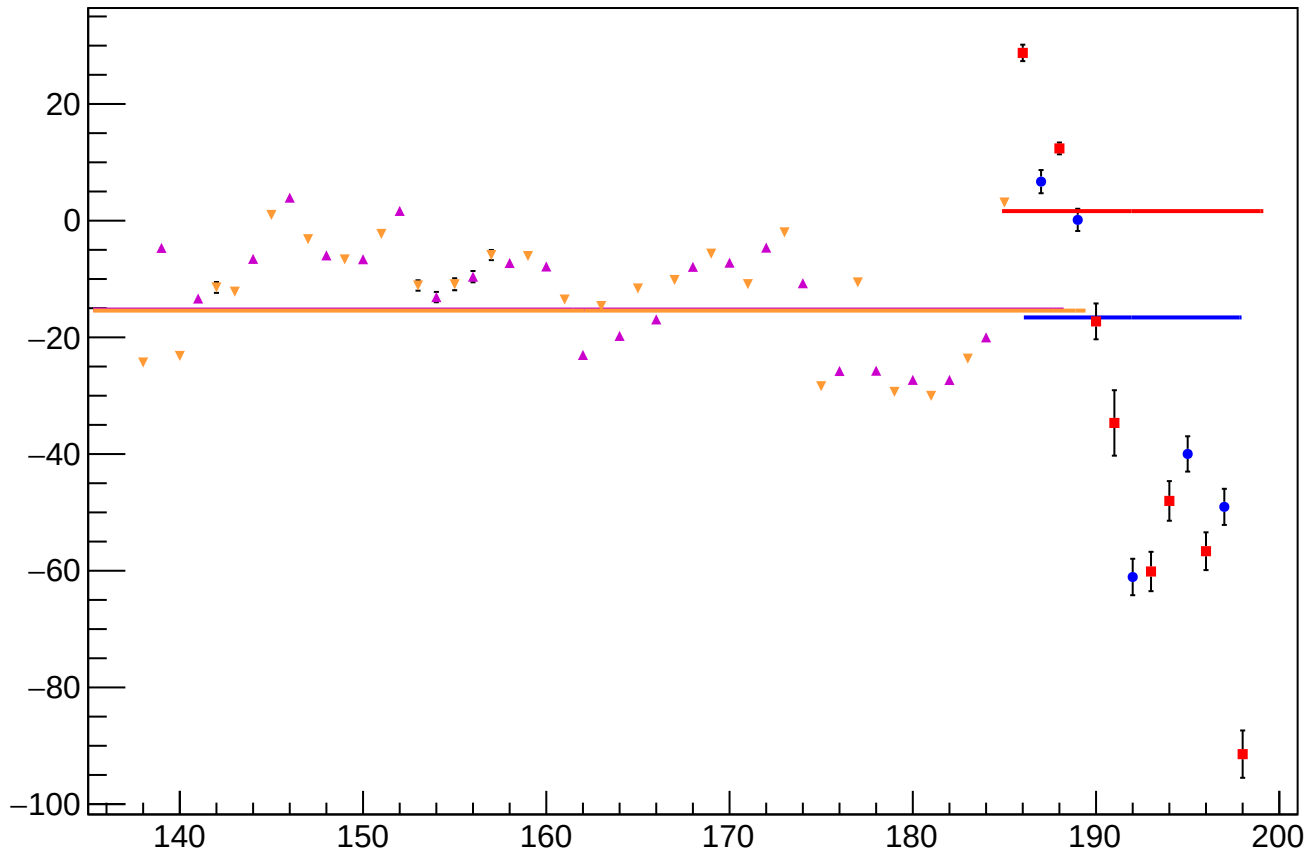
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.393 ± 0.005 χ^2/NDF : 2213.9/46

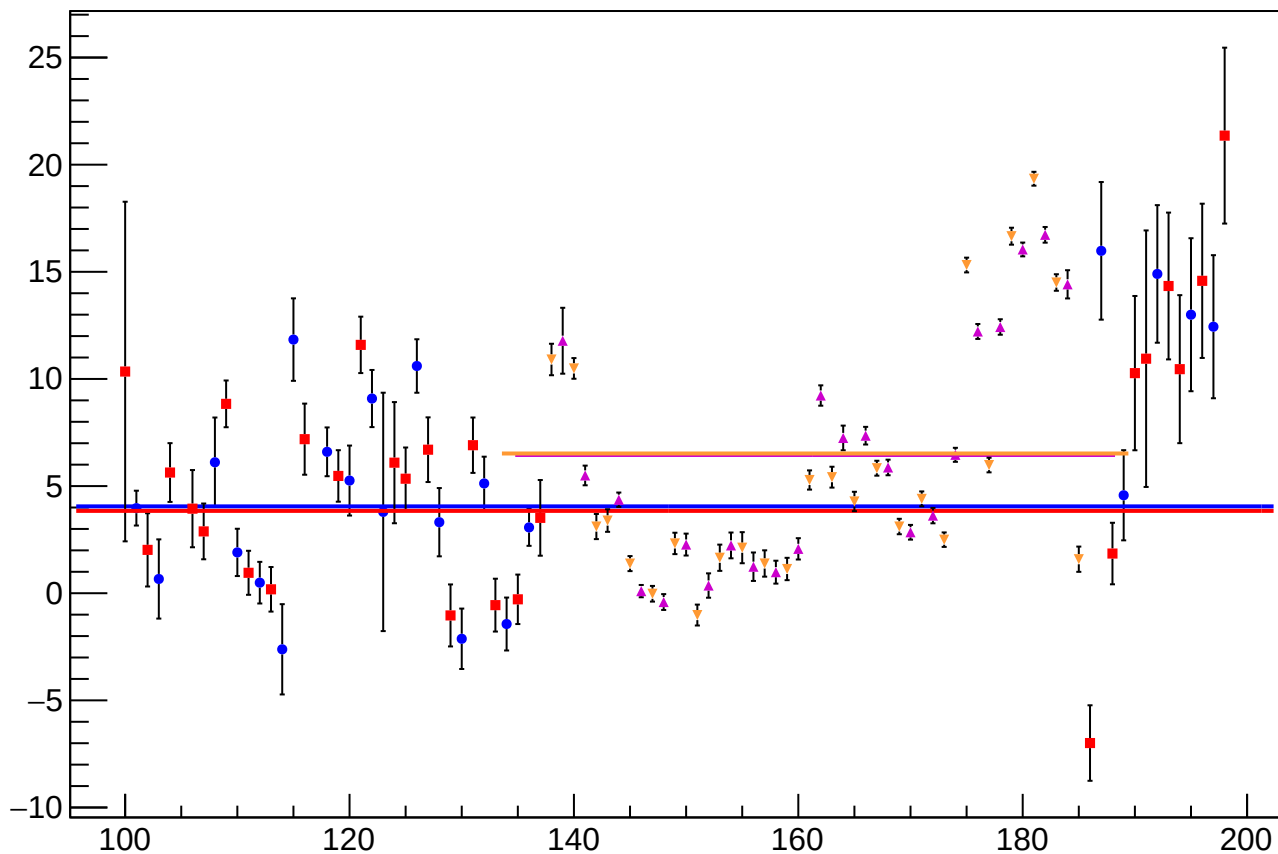
All: 0.380 ± 0.003 χ^2/NDF : 5307.6/96

- sign 0.367 ± 0.005 χ^2/NDF : 3078.9/49

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.053 ± 0.302 χ^2/NDF : 174.4/21

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.843 ± 0.299 χ^2/NDF : 218.2/26

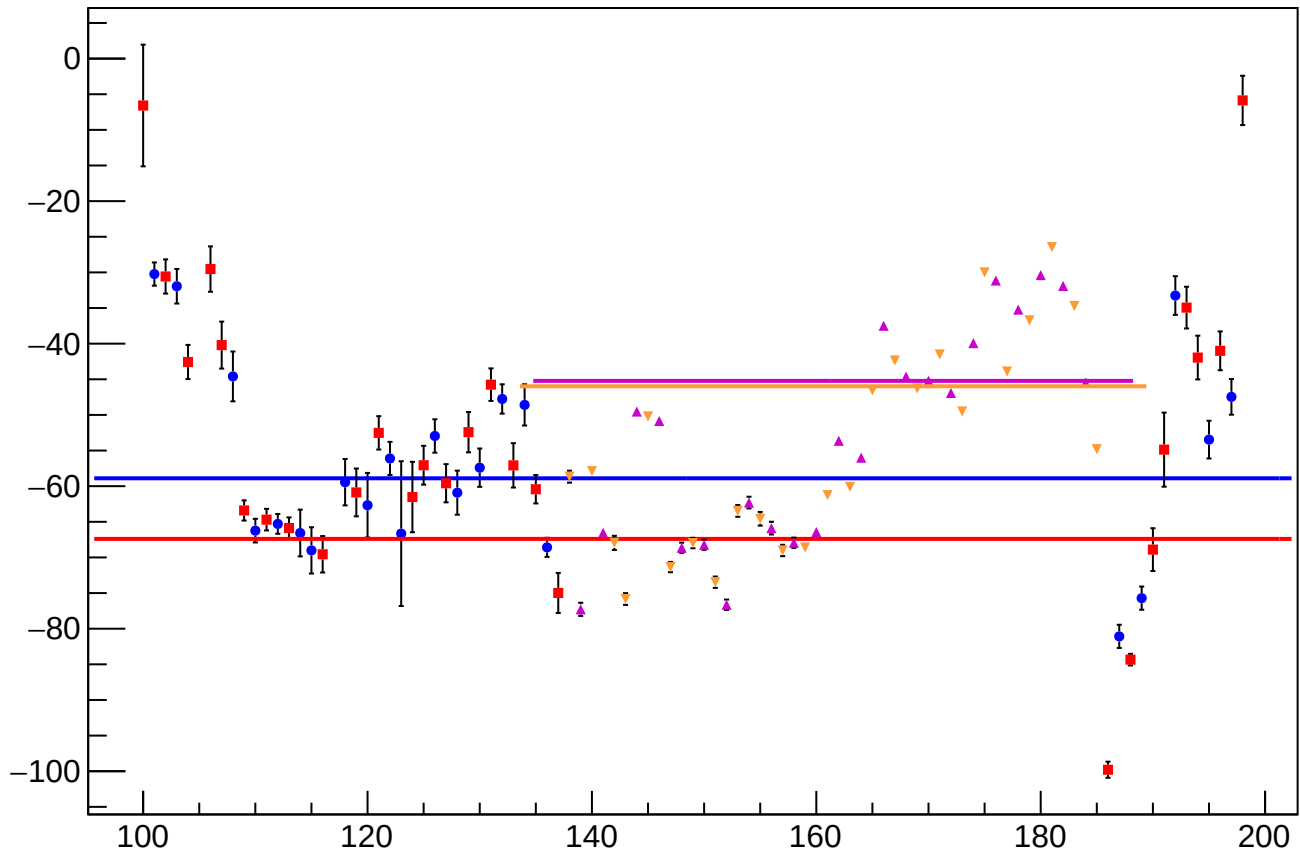
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.339 ± 0.082 χ^2/NDF : 5221.2/46

All: 6.296 ± 0.058 χ^2/NDF : 9458.3/96

- sign 6.252 ± 0.083 χ^2/NDF : 4236.5/49

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -58.895 ± 0.468 $\chi^2/\text{NDF}: 1015.0/21$

Left Out: -45.982 ± 0.106 $\chi^2/\text{NDF}: 17360.1/24$

Right Out: -67.397 ± 0.397 $\chi^2/\text{NDF}: 2688.9/26$

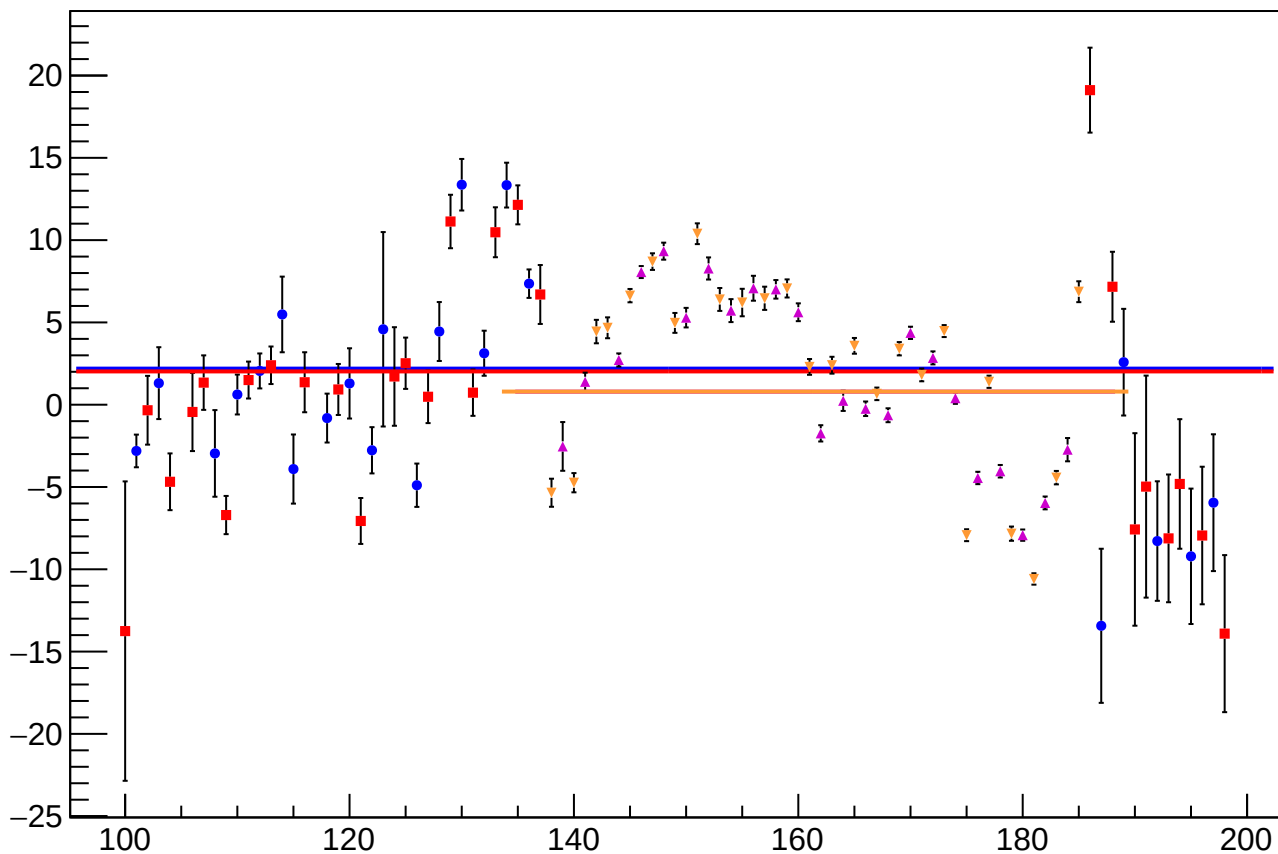
Left In: -45.222 ± 0.107 $\chi^2/\text{NDF}: 15600.2/22$

+ sign -46.615 ± 0.104 $\chi^2/\text{NDF}: 19099.2/46$

All: -46.671 ± 0.073 $\chi^2/\text{NDF}: 40293.6/96$

- sign -46.727 ± 0.104 $\chi^2/\text{NDF}: 21193.8/49$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.192 $\pm$ 0.341 χ^2 /NDF: 274.1/21

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 2.023 $\pm$ 0.342 χ^2 /NDF: 344.9/26

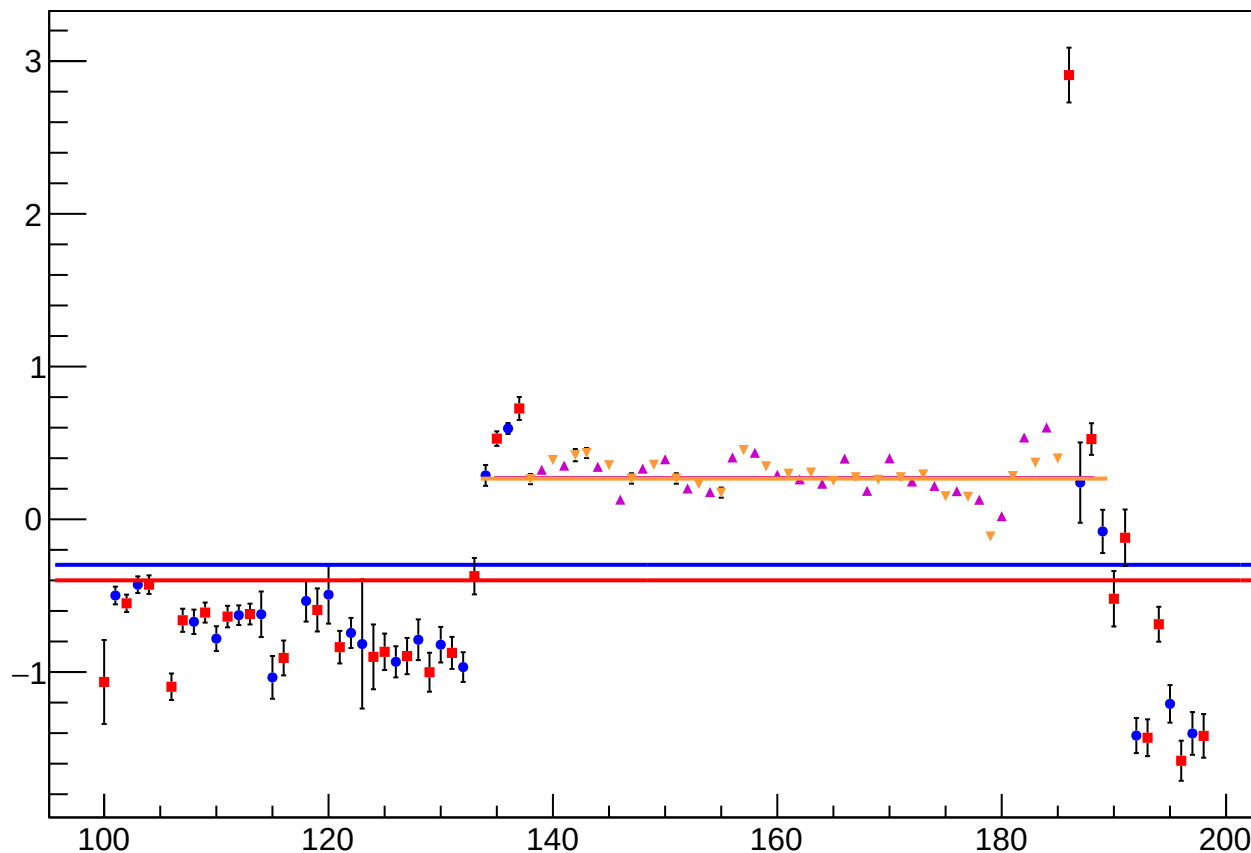
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.899 $\pm$ 0.092 χ^2 /NDF: 4049.5/46

All: 0.891 $\pm$ 0.065 χ^2 /NDF: 7098.9/96

- sign 0.883 $\pm$ 0.093 χ^2 /NDF: 3049.4/49

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.298 ± 0.018 χ^2/NDF : 1187.2/21

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.400 ± 0.018 χ^2/NDF : 1478.5/26

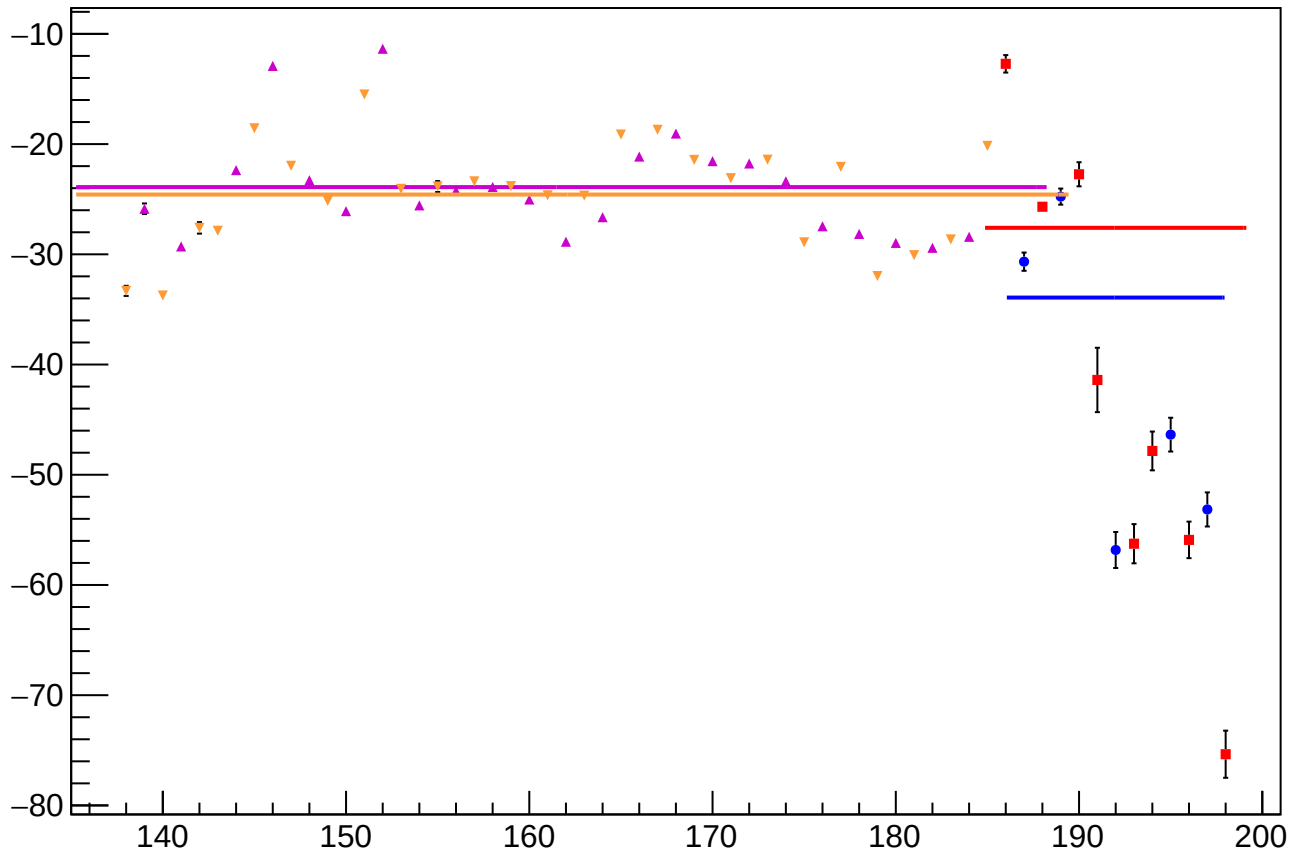
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.236 ± 0.004 χ^2/NDF : 2805.9/46

All: 0.233 ± 0.003 χ^2/NDF : 6608.7/96

- sign 0.231 ± 0.004 χ^2/NDF : 3802.2/49

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.924 +/- 0.469 χ^2/NDF : 589.8/4

Left Out: -24.577 +/- 0.051 χ^2/NDF : 8590.4/24

Right Out: -27.596 +/- 0.331 χ^2/NDF : 1596.2/7

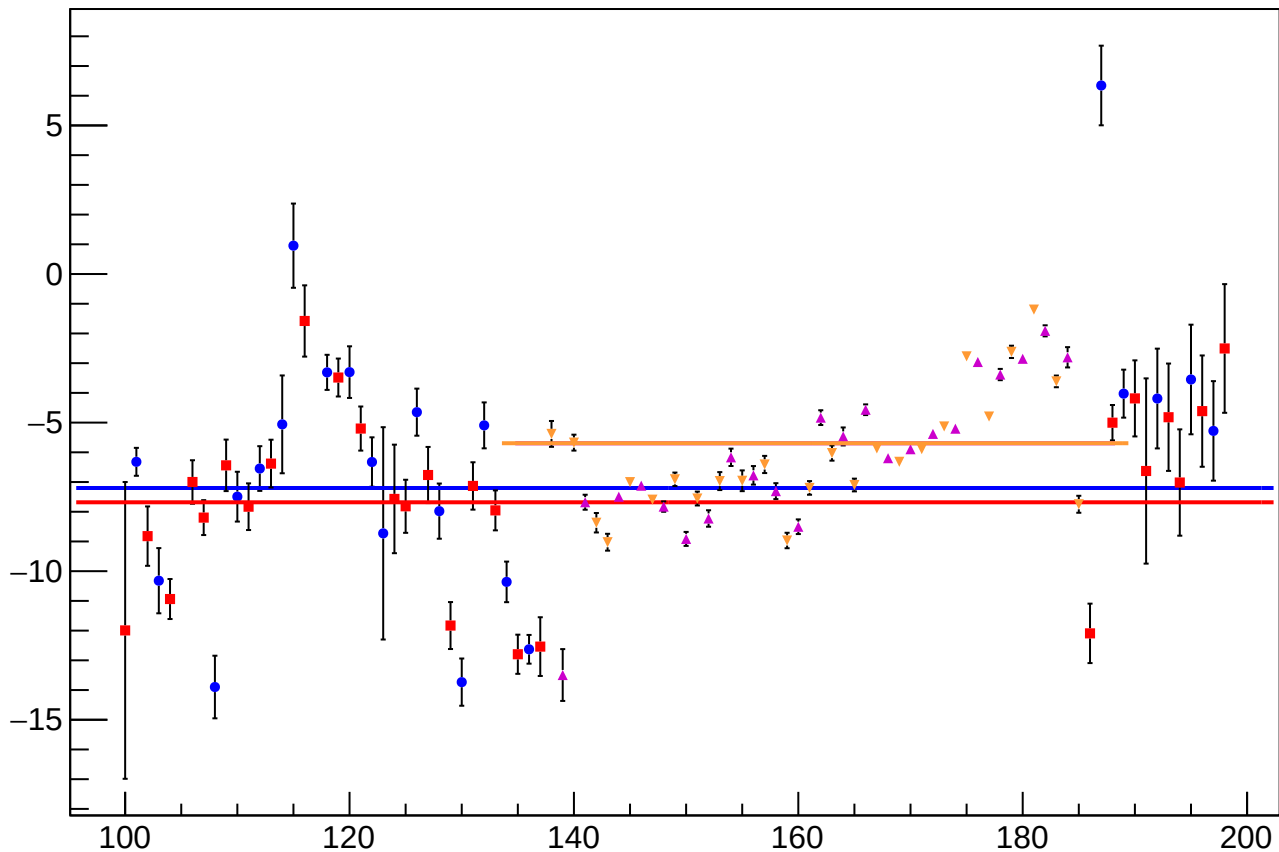
Left In: -23.901 +/- 0.051 χ^2/NDF : 9154.9/22

+ sign -24.687 +/- 0.051 χ^2/NDF : 9573.4/29

All: -24.336 +/- 0.036 χ^2/NDF : 20542.1/60

- sign -23.987 +/- 0.050 χ^2/NDF : 10873.1/30

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.201 ± 0.178 χ^2/NDF : 512.3/21

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.682 ± 0.170 χ^2/NDF : 284.0/26

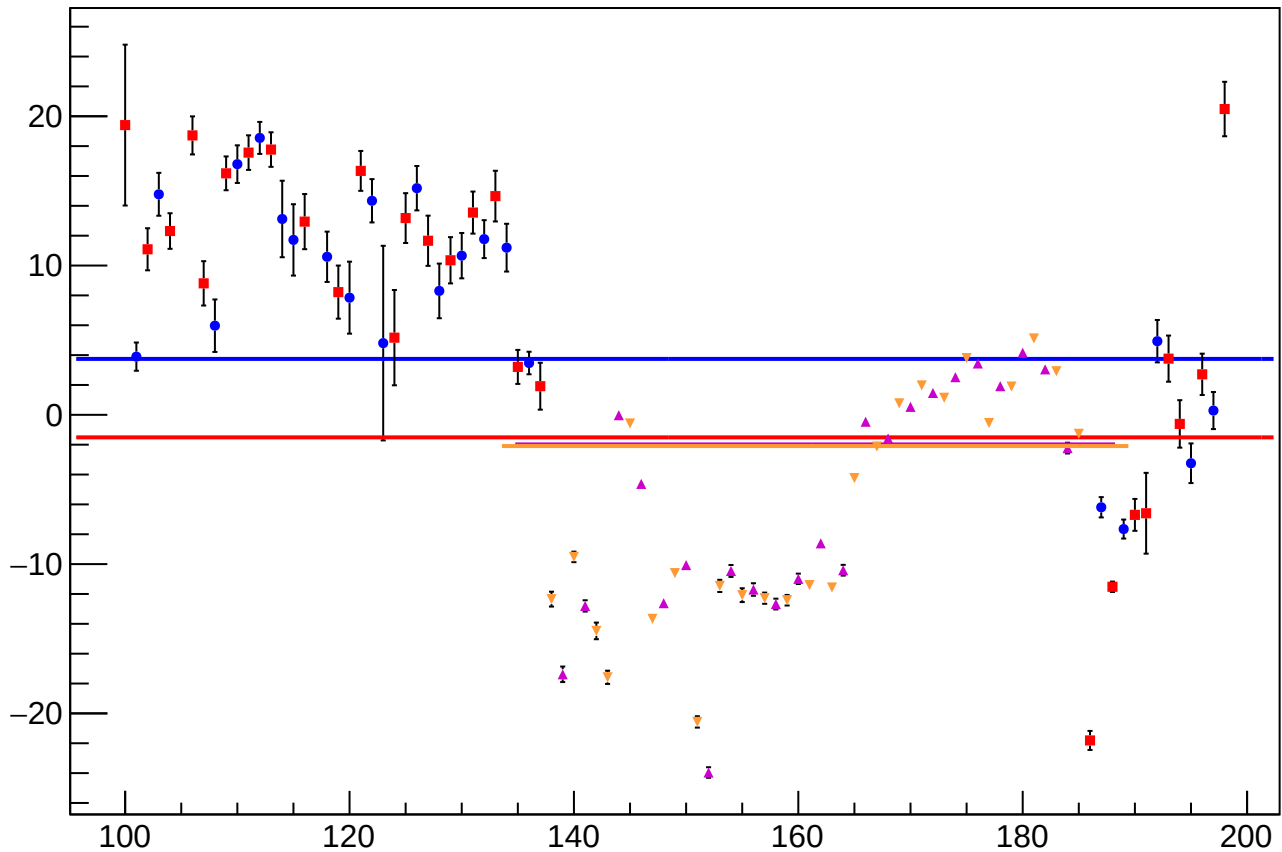
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.770 ± 0.040 χ^2/NDF : 2838.6/46

All: -5.787 ± 0.028 χ^2/NDF : 5561.5/96

- sign -5.804 ± 0.040 χ^2/NDF : 2722.5/49

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 3.746 ± 0.258 $\chi^2/\text{NDF}: 1173.9/21$

Left Out: -2.092 ± 0.051 $\chi^2/\text{NDF}: 16305.3/24$

Right Out: -1.510 ± 0.211 $\chi^2/\text{NDF}: 4065.6/26$

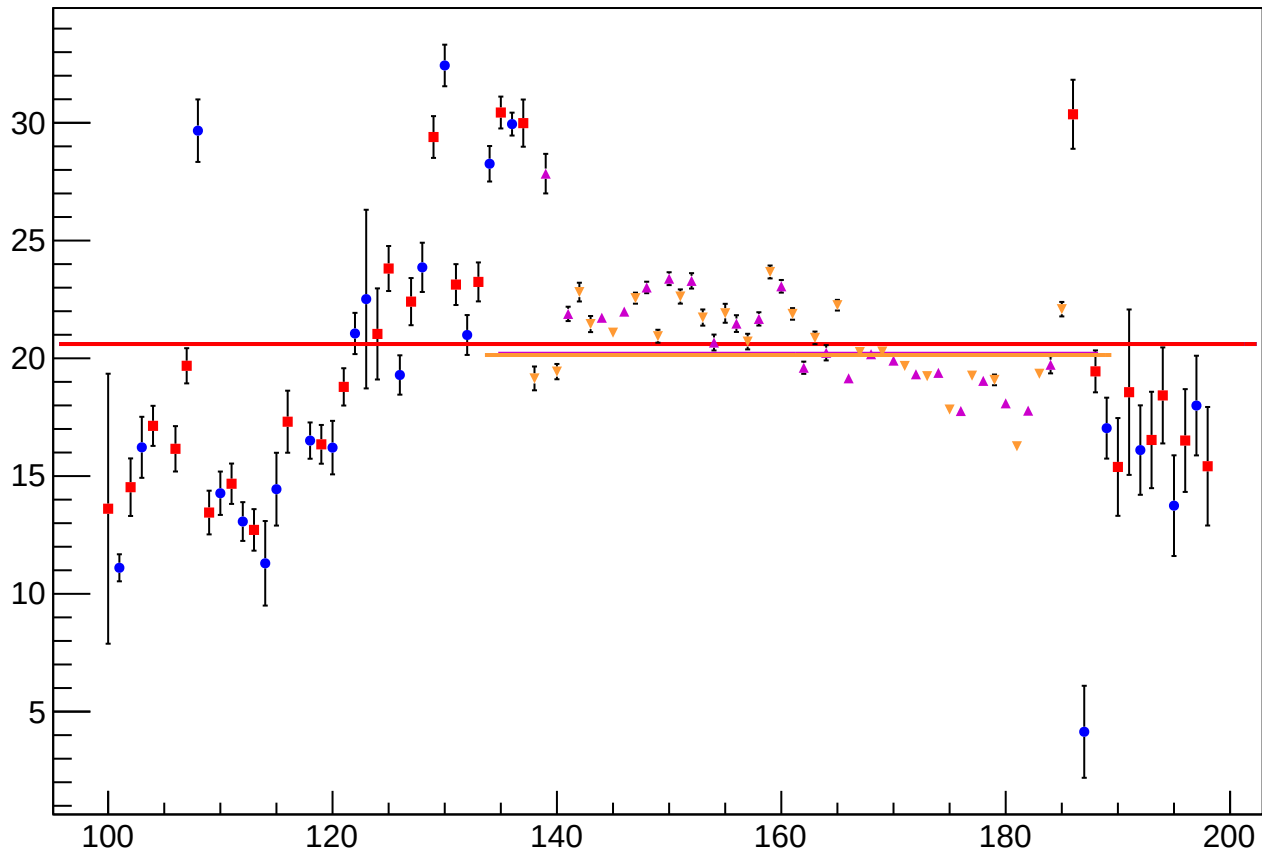
Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

+ sign -1.868 ± 0.050 $\chi^2/\text{NDF}: 17973.1/46$

All: -1.912 ± 0.035 $\chi^2/\text{NDF}: 37427.2/96$

- sign -1.954 ± 0.050 $\chi^2/\text{NDF}: 19452.6/49$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.608 $\pm$ 0.204 χ^2 /NDF: 1309.8/21

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF:1419.1/24

Right Out: 20.607 $\pm$ 0.200 χ^2 /NDF: 787.3/26

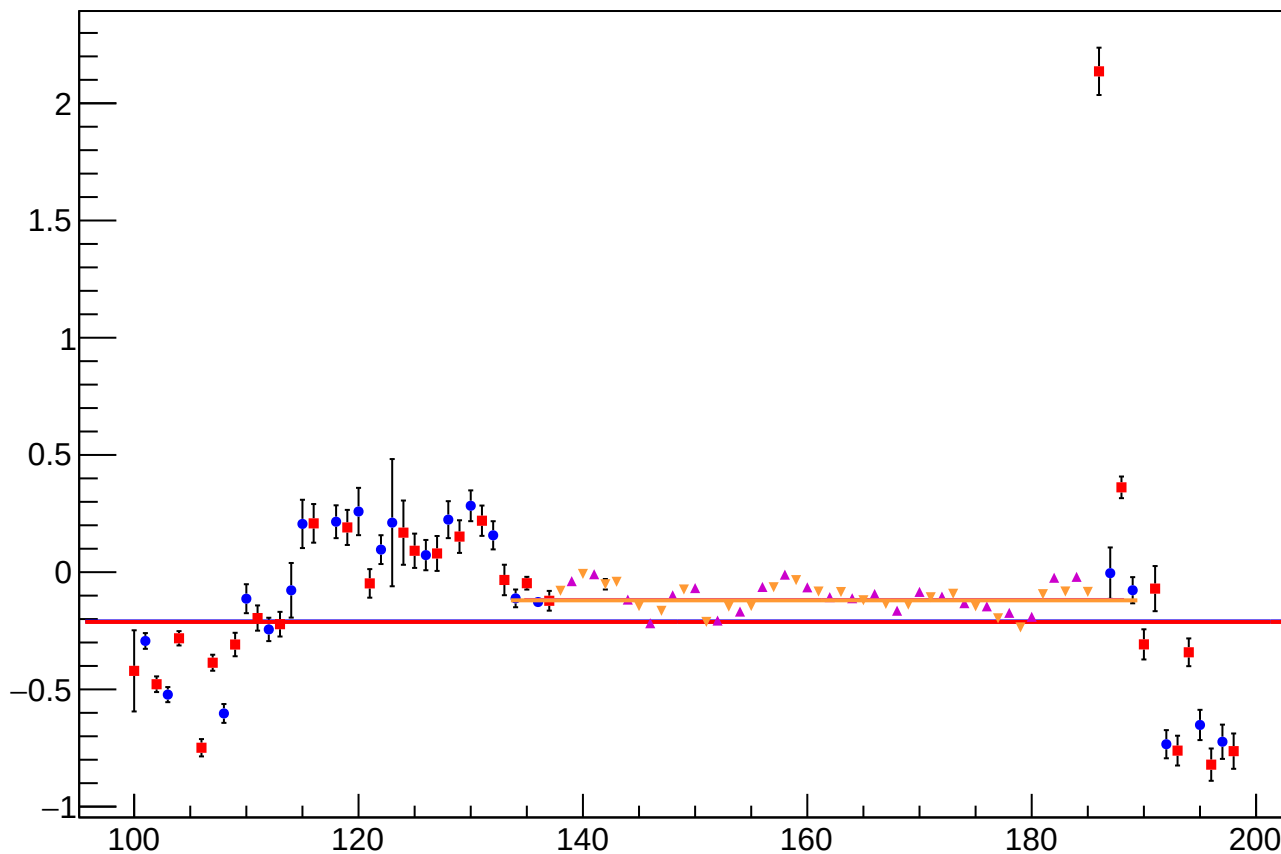
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF:1447.4/22

+ sign 20.163 $\pm$ 0.045 χ^2 /NDF: 2733.9/46

All: 20.189 $\pm$ 0.032 χ^2 /NDF: 4973.2/96

- sign 20.215 $\pm$ 0.045 χ^2 /NDF: 2238.7/49

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.210 ± 0.011 χ^2/NDF : 650.0/21

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.212 ± 0.010 χ^2/NDF : 1445.2/26

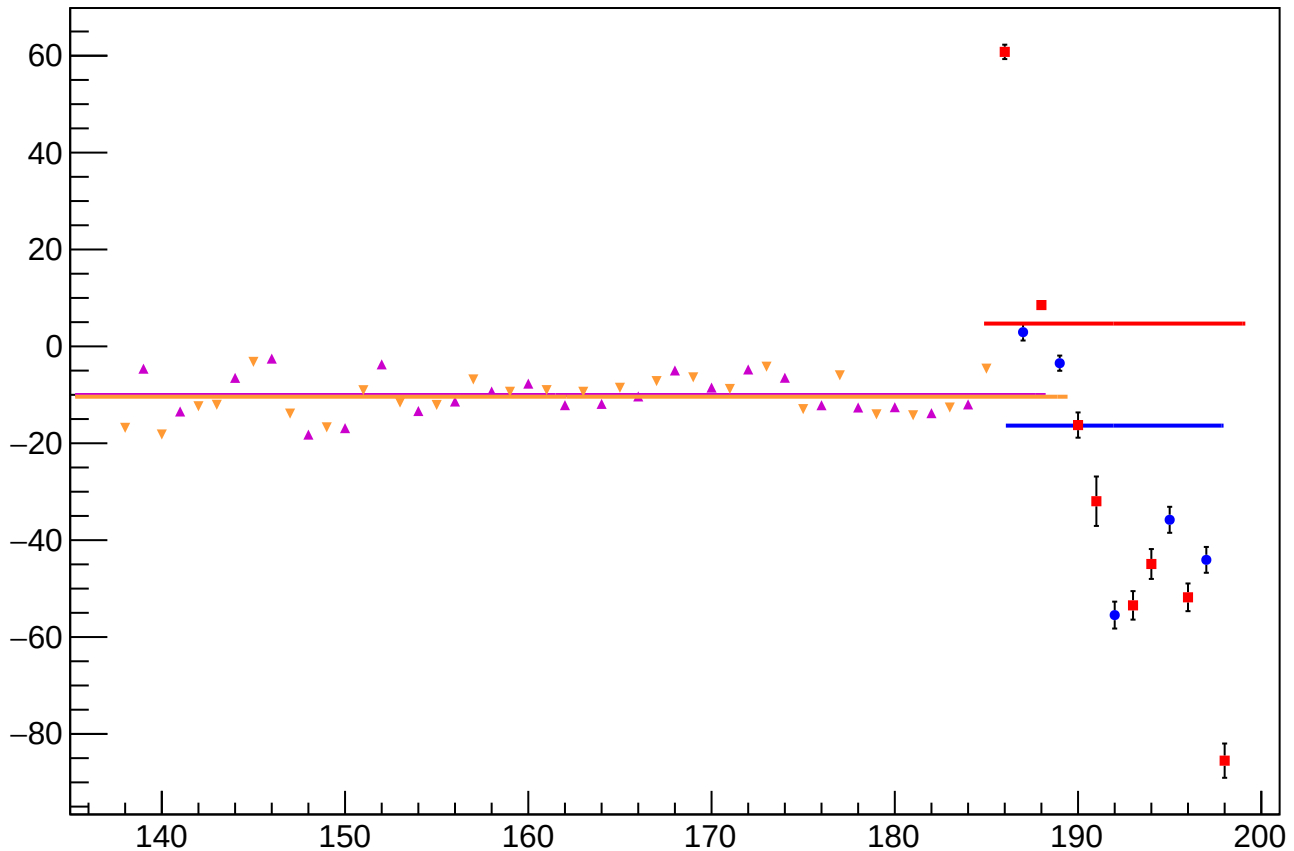
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.124 ± 0.002 χ^2/NDF : 1250.9/46

All: -0.123 ± 0.001 χ^2/NDF : 3503.0/96

- sign -0.123 ± 0.002 χ^2/NDF : 2252.1/49

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -16.355 $\pm$ 0.933 χ^2 /NDF: 550.6/4

Left Out: -10.391 $\pm$ 0.088 χ^2 /NDF: 2111.6/24

Right Out: 4.707 $\pm$ 0.643 χ^2 /NDF: 3250.7/7

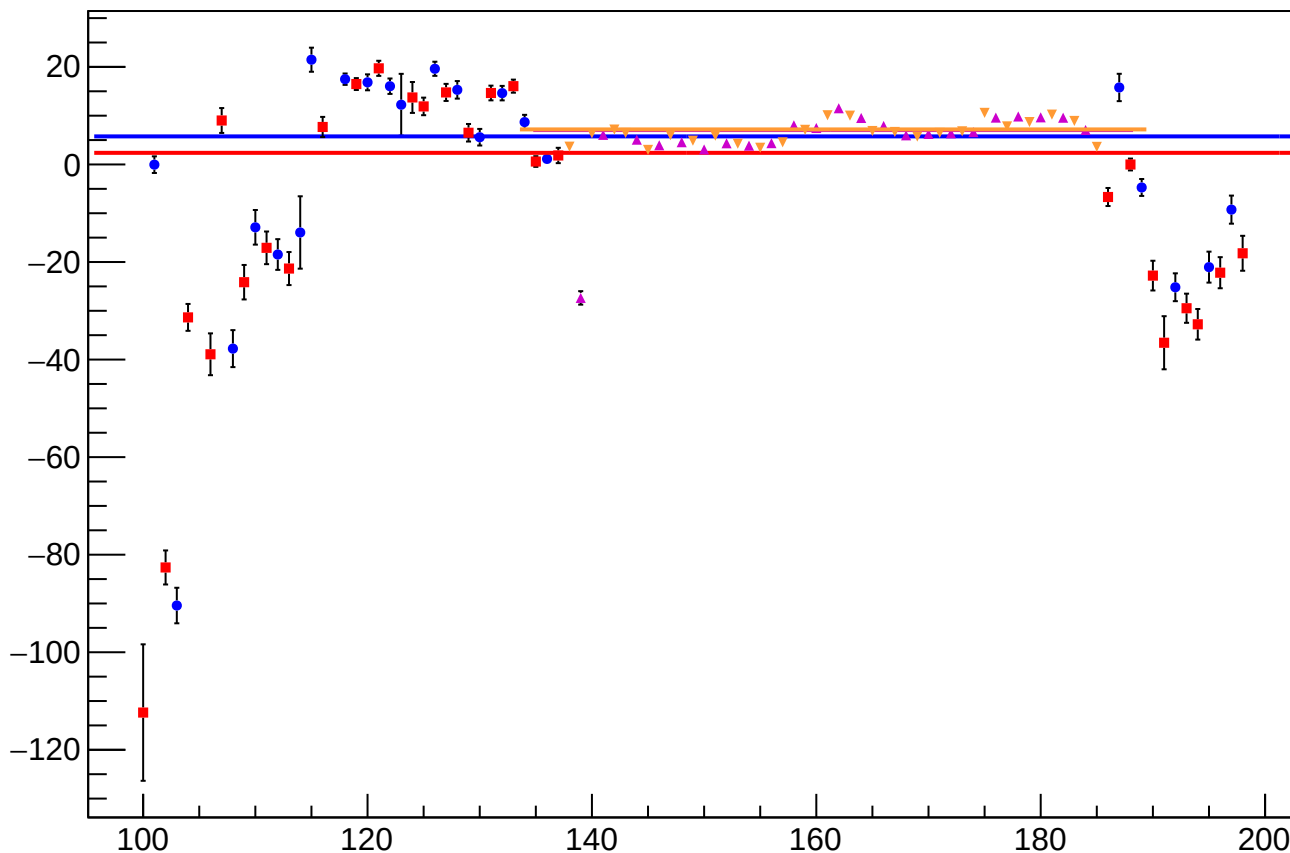
Left In: -10.036 $\pm$ 0.090 χ^2 /NDF: 1758.7/22

+ sign -10.443 $\pm$ 0.087 χ^2 /NDF: 2702.7/29

All: -10.104 $\pm$ 0.062 χ^2 /NDF: 8257.7/60

- sign -9.756 $\pm$ 0.089 χ^2 /NDF: 5524.6/30

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 5.754 ± 0.382 χ^2/NDF : 1623.8/21

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 2.381 ± 0.384 χ^2/NDF : 2062.4/26

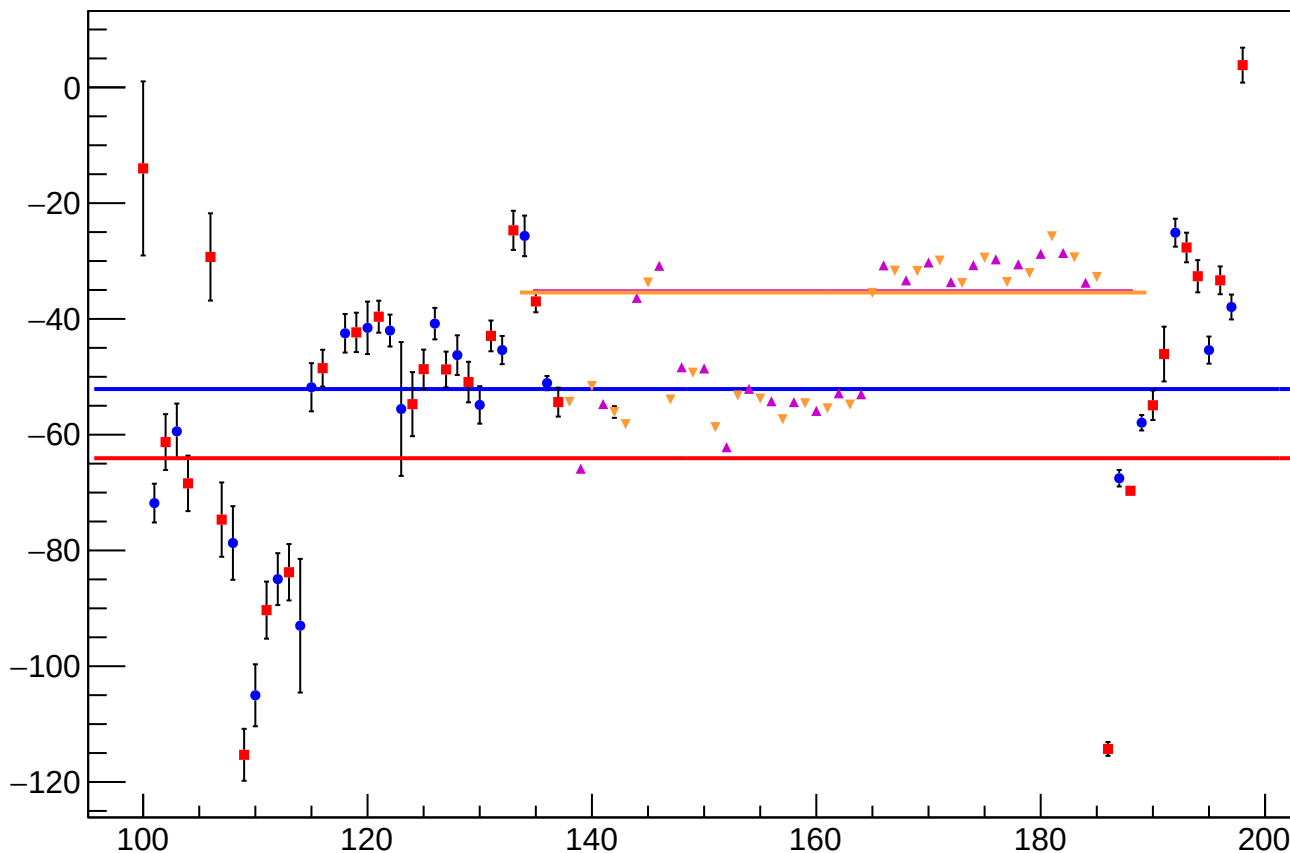
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.133 ± 0.072 χ^2/NDF : 2554.7/46

All: 7.010 ± 0.051 χ^2/NDF : 6301.6/96

- sign 6.884 ± 0.073 χ^2/NDF : 3741.0/49

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -52.118 ± 0.539 χ^2/NDF : 644.8/21

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -64.064 ± 0.442 χ^2/NDF : 3718.8/26

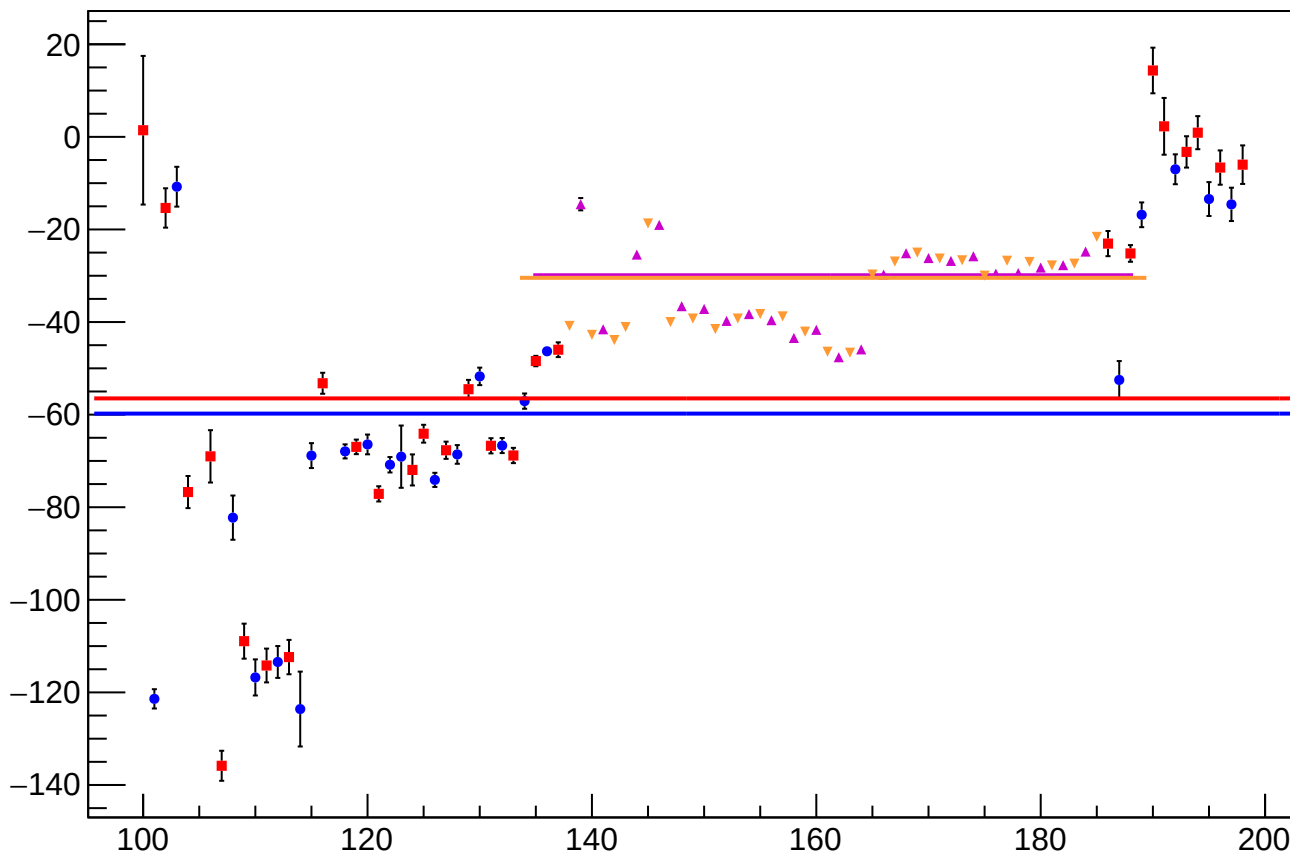
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.877 ± 0.088 χ^2/NDF : 14359.9/46

All: -36.127 ± 0.062 χ^2/NDF : 33784.9/96

- sign -36.380 ± 0.088 χ^2/NDF : 19408.8/49

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -59.779 ± 0.430 χ^2/NDF : 2920.9/21

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -56.495 ± 0.444 χ^2/NDF : 3465.6/26

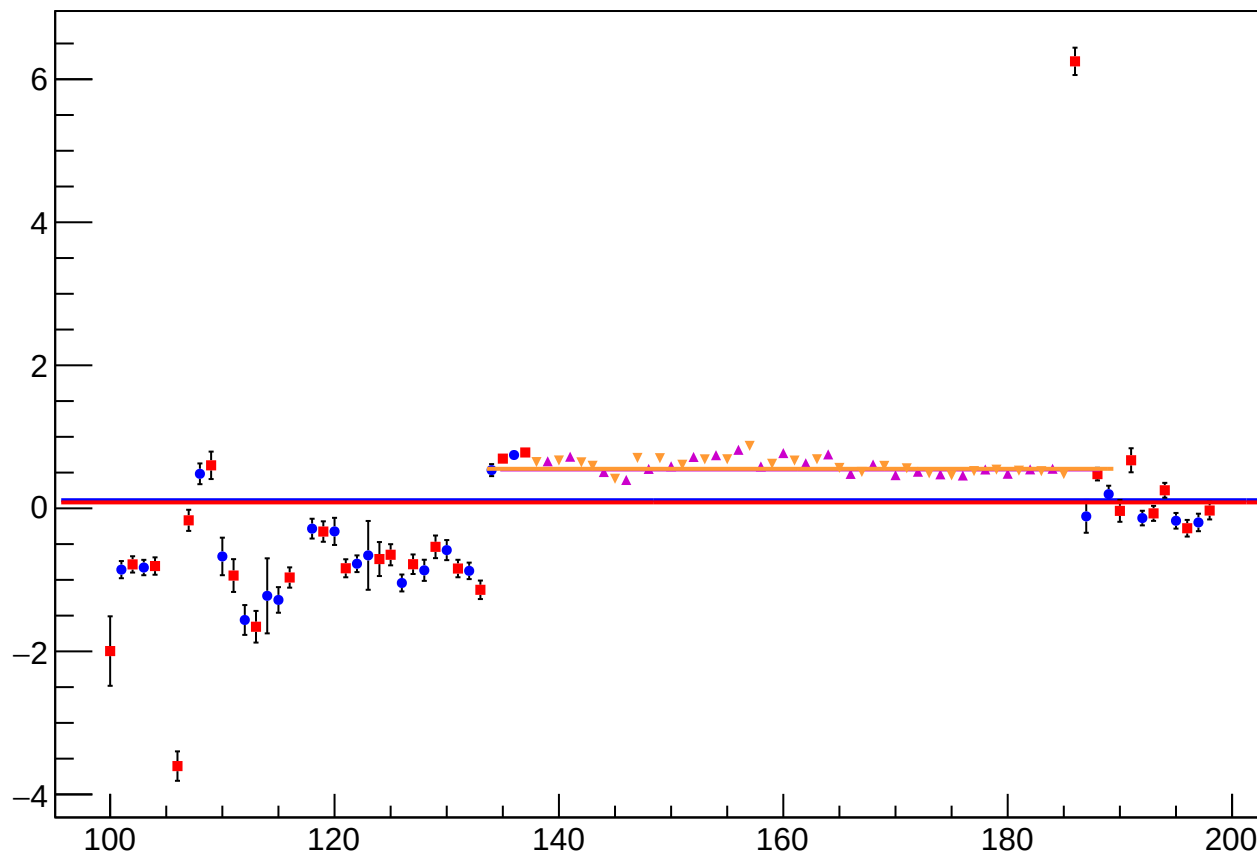
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.465 ± 0.080 χ^2/NDF : 15575.5/46

All: -31.128 ± 0.057 χ^2/NDF : 29666.0/96

- sign -30.783 ± 0.081 χ^2/NDF : 14054.7/49

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.114 $\pm$ 0.022 χ^2 /NDF: 1010.8/21

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.1/24

Right Out: 0.083 $\pm$ 0.022 χ^2 /NDF: 2277.9/26

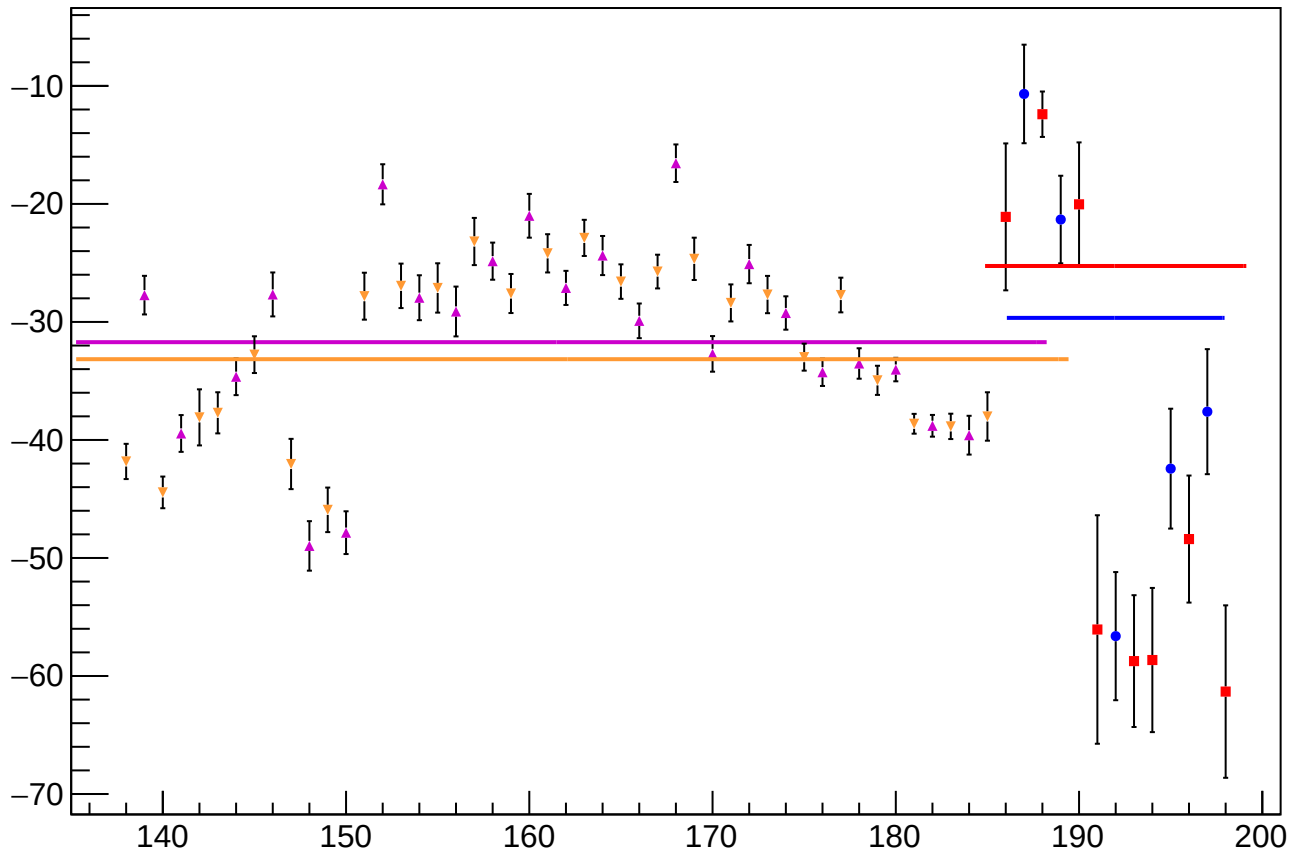
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF:655.9/22

+ sign 0.541 $\pm$ 0.004 χ^2 /NDF: 1940.3/46

All: 0.536 $\pm$ 0.003 χ^2 /NDF: 5290.0/96

- sign 0.531 $\pm$ 0.004 χ^2 /NDF: 3346.2/49

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -29.656 ± 2.048 $\chi^2/\text{NDF}: 58.9/4$

Left Out: -33.157 ± 0.300 $\chi^2/\text{NDF}: 500.1/24$

Right Out: -25.259 ± 1.482 $\chi^2/\text{NDF}: 164.9/7$

Left In: -31.714 ± 0.309 $\chi^2/\text{NDF}: 542.3/22$

+ sign -33.083 ± 0.297 $\chi^2/\text{NDF}: 561.9/29$

All: -32.279 ± 0.212 $\chi^2/\text{NDF}: 1302.1/60$

- sign -31.446 ± 0.302 $\chi^2/\text{NDF}: 725.3/30$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -50.682 ± 0.699 χ^2/NDF : 1640.4/21

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -54.644 ± 0.707 χ^2/NDF : 2500.0/26

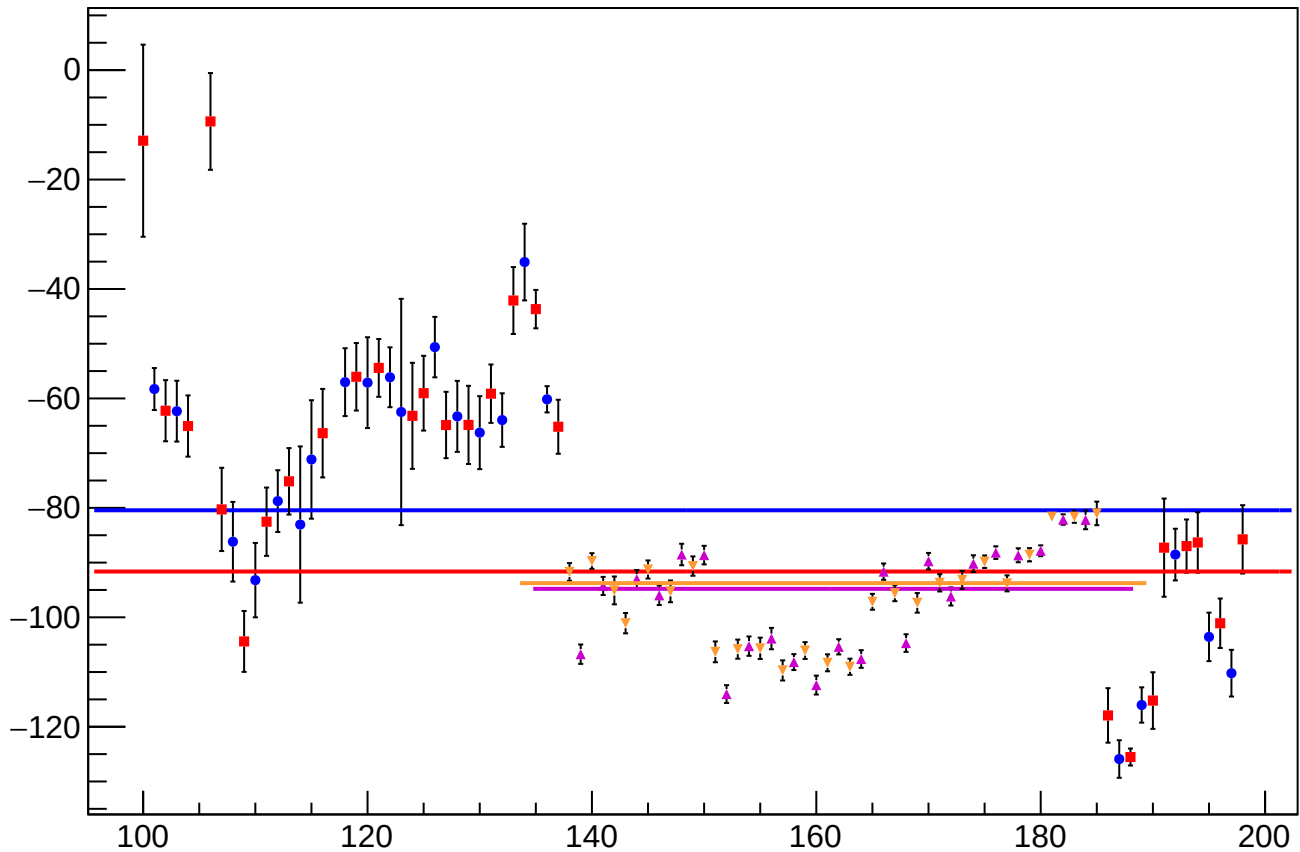
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -36.034 ± 0.228 χ^2/NDF : 2826.9/46

All: -36.227 ± 0.164 χ^2/NDF : 7526.8/96

- sign -36.434 ± 0.236 χ^2/NDF : 4698.4/49

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -80.440 $\pm$ 1.049 χ^2/NDF : 633.0/21

Left Out: -93.754 $\pm$ 0.302 χ^2/NDF :883.1/24

Right Out: -91.631 $\pm$ 0.921 χ^2/NDF : 1183.5/26

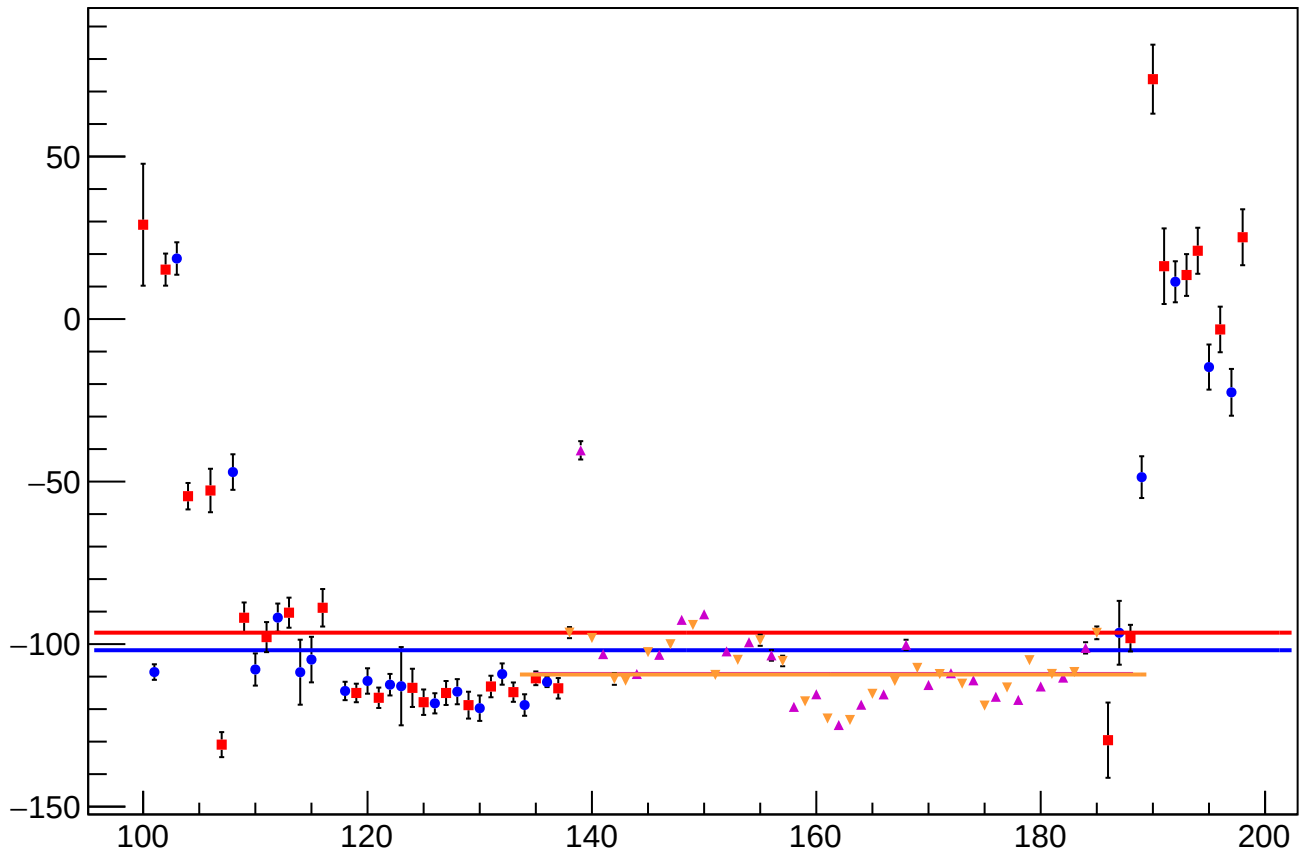
Left In: -94.796 $\pm$ 0.308 χ^2/NDF :974.7/22

+ sign -92.737 $\pm$ 0.290 χ^2/NDF : 1664.8/46

All: -93.600 $\pm$ 0.206 χ^2/NDF : 3851.4/96

- sign -94.477 $\pm$ 0.292 χ^2/NDF : 2168.8/49

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -101.884 ± 0.792 $\chi^2/\text{NDF}: 1535.2/21$

Left Out: -109.351 ± 0.271 $\chi^2/\text{NDF}: 826.8/24$

Right Out: -96.480 ± 0.815 $\chi^2/\text{NDF}: 2407.8/26$

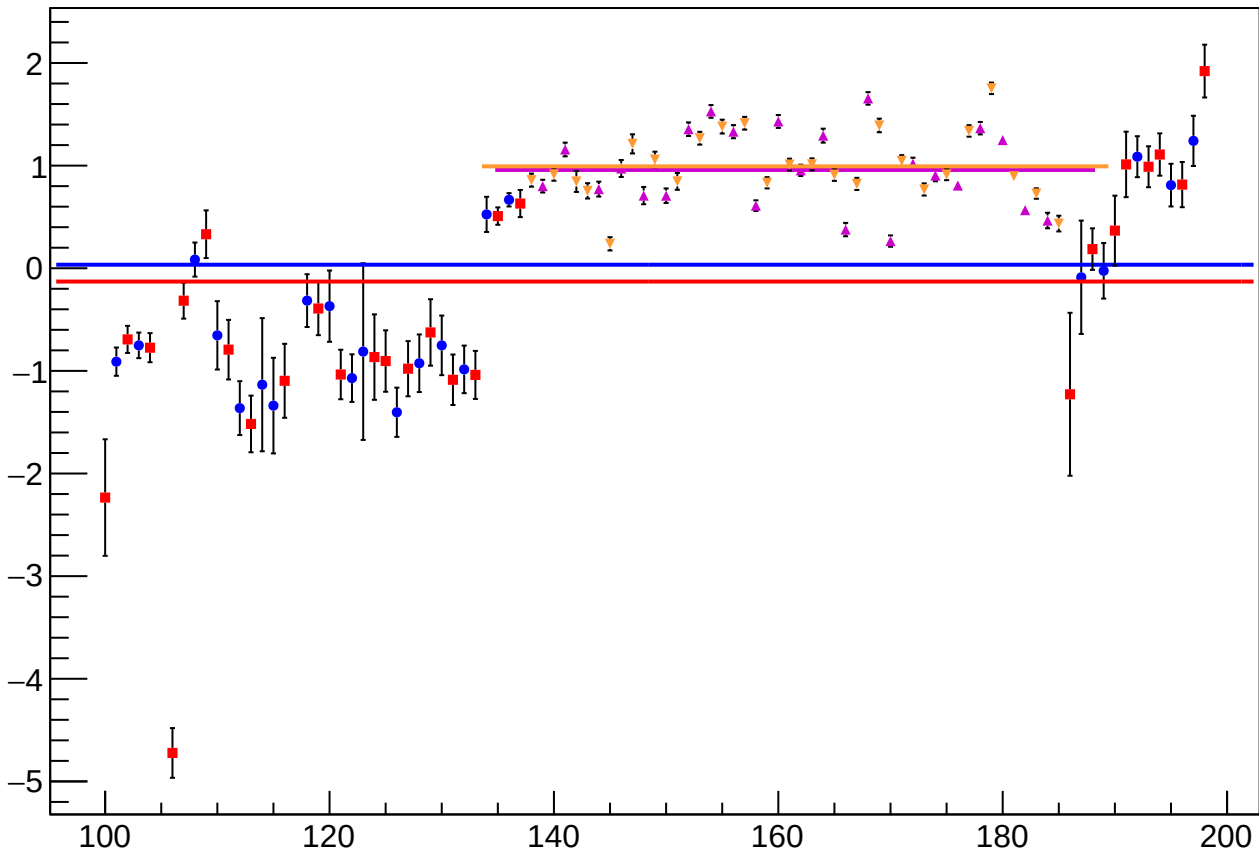
Left In: -109.184 ± 0.280 $\chi^2/\text{NDF}: 1501.1/22$

+ sign -108.568 ± 0.257 $\chi^2/\text{NDF}: 2441.6/46$

All: -108.217 ± 0.184 $\chi^2/\text{NDF}: 6571.7/96$

- sign -107.844 ± 0.265 $\chi^2/\text{NDF}: 4126.2/49$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.034 $\pm$ 0.040 χ^2 /NDF: 401.9/21

Left Out: 0.993 $\pm$ 0.012 χ^2 /NDF:638.6/24

Right Out: -0.130 $\pm$ 0.039 χ^2 /NDF: 781.3/26

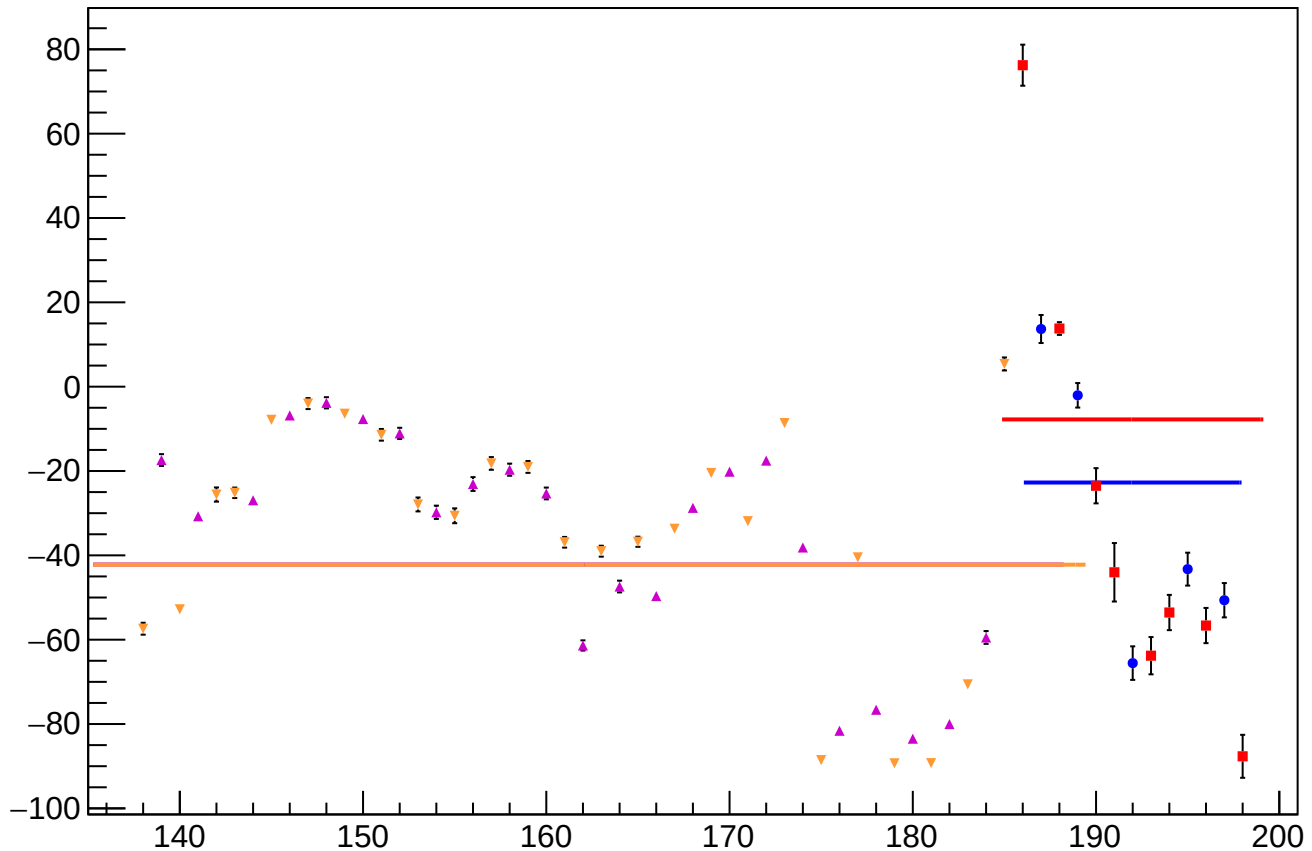
Left In: 0.958 $\pm$ 0.013 χ^2 /NDF:894.5/22

+ sign 0.907 $\pm$ 0.012 χ^2 /NDF: 1576.5/46

All: 0.882 $\pm$ 0.008 χ^2 /NDF: 3952.0/96

- sign 0.856 $\pm$ 0.012 χ^2 /NDF: 2366.5/49

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -22.728 ± 1.585 $\chi^2/\text{NDF}: 361.3/4$

Left Out: -42.213 ± 0.222 $\chi^2/\text{NDF}: 18309.1/24$

Right Out: -7.765 ± 1.144 $\chi^2/\text{NDF}: 1207.5/7$

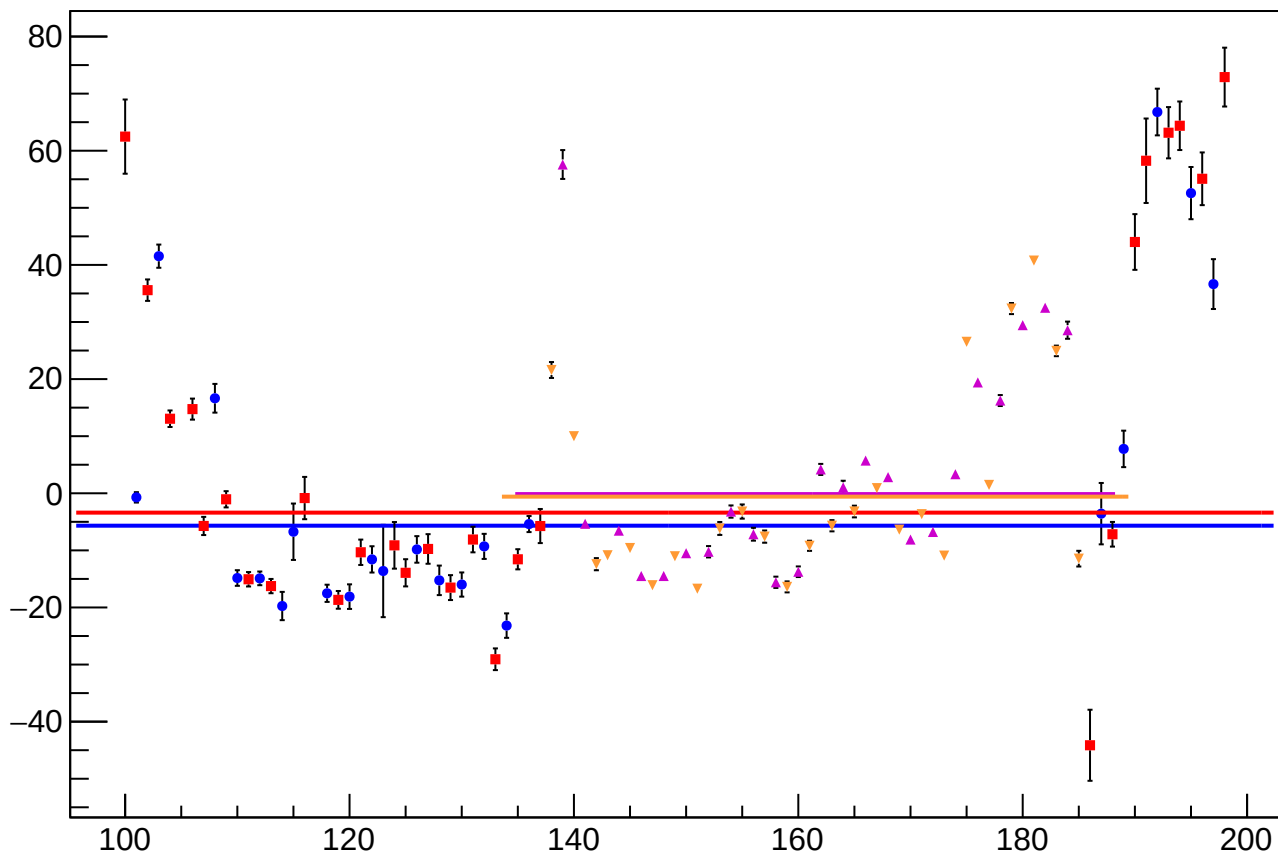
Left In: -42.176 ± 0.227 $\chi^2/\text{NDF}: 14575.9/22$

+ sign -41.838 ± 0.220 $\chi^2/\text{NDF}: 18818.7/29$

All: -41.361 ± 0.156 $\chi^2/\text{NDF}: 35482.8/60$

- sign -40.871 ± 0.223 $\chi^2/\text{NDF}: 16654.5/30$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -5.677 ± 0.419 $\chi^2/\text{NDF}: 1585.4/21$

Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$

Right Out: -3.389 ± 0.411 $\chi^2/\text{NDF}: 2397.0/26$

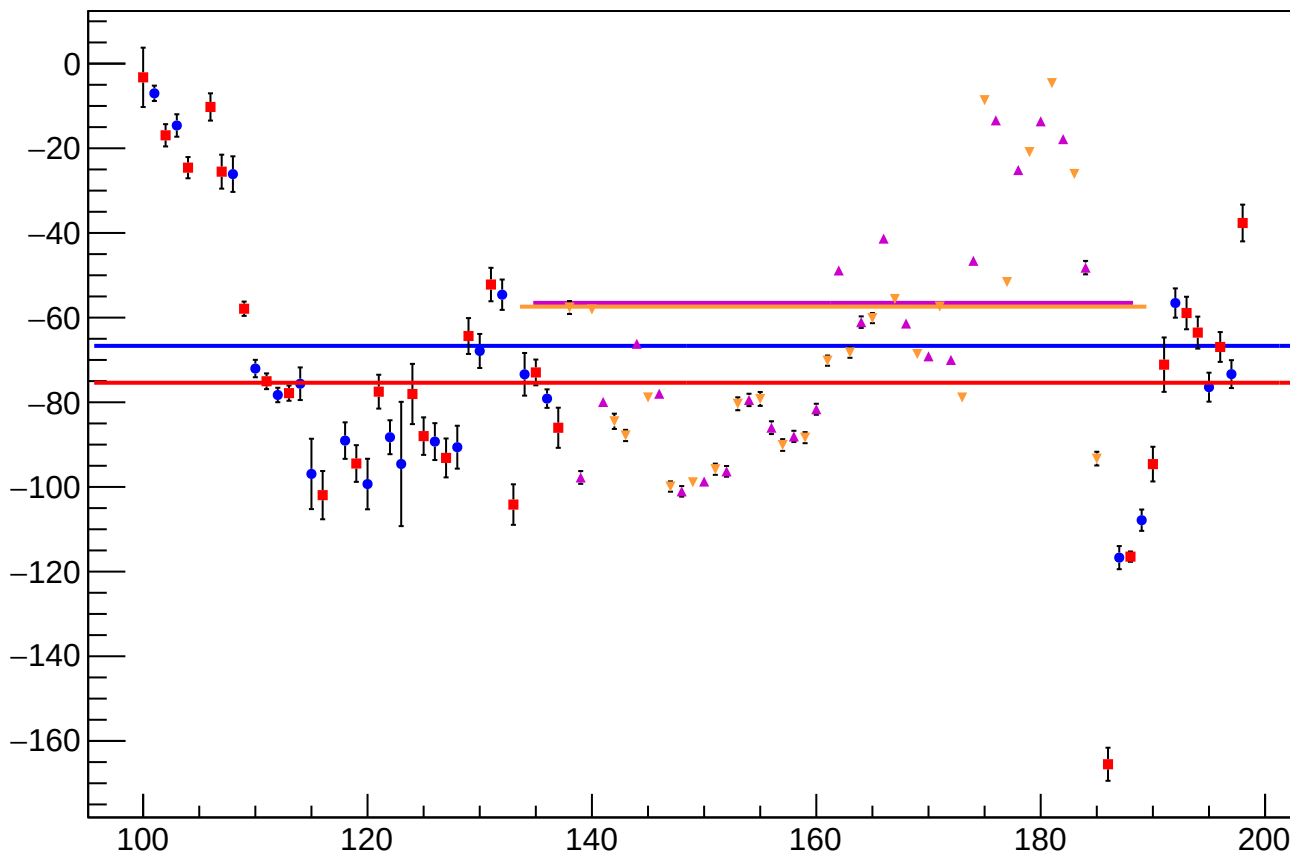
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -1.338 ± 0.161 $\chi^2/\text{NDF}: 10461.8/46$

All: -1.006 ± 0.115 $\chi^2/\text{NDF}: 19782.4/96$

- sign -0.660 ± 0.164 $\chi^2/\text{NDF}: 9311.9/49$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -66.674 ± 0.653 χ^2/NDF : 2437.0/21

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -75.387 ± 0.567 χ^2/NDF : 3631.9/26

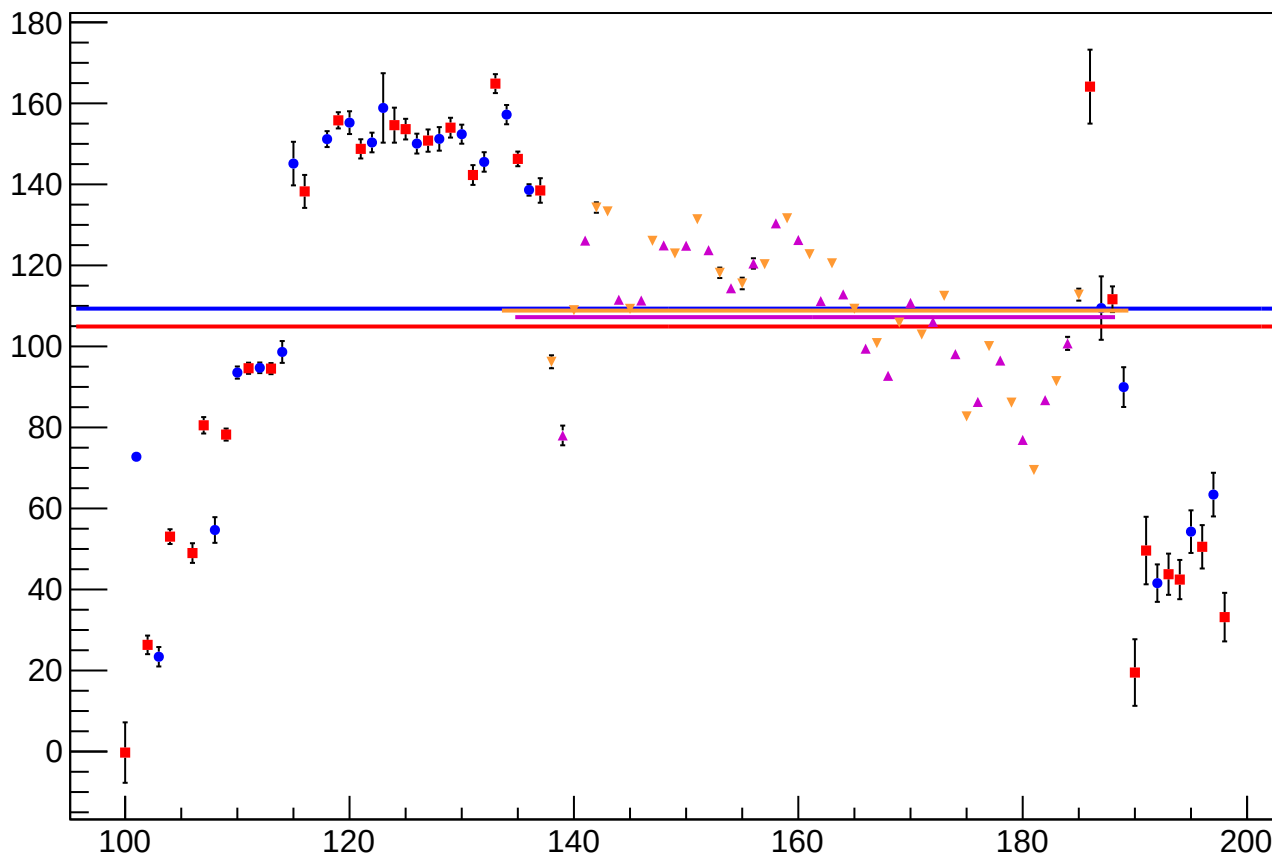
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.382 ± 0.211 χ^2/NDF : 21221.1/46

All: -58.753 ± 0.149 χ^2/NDF : 42165.1/96

- sign -59.124 ± 0.211 χ^2/NDF : 20937.8/49

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 109.329 $\pm$ 0.480 χ^2 /NDF: 6289.6/21

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 104.914 $\pm$ 0.472 χ^2 /NDF: 7820.6/26

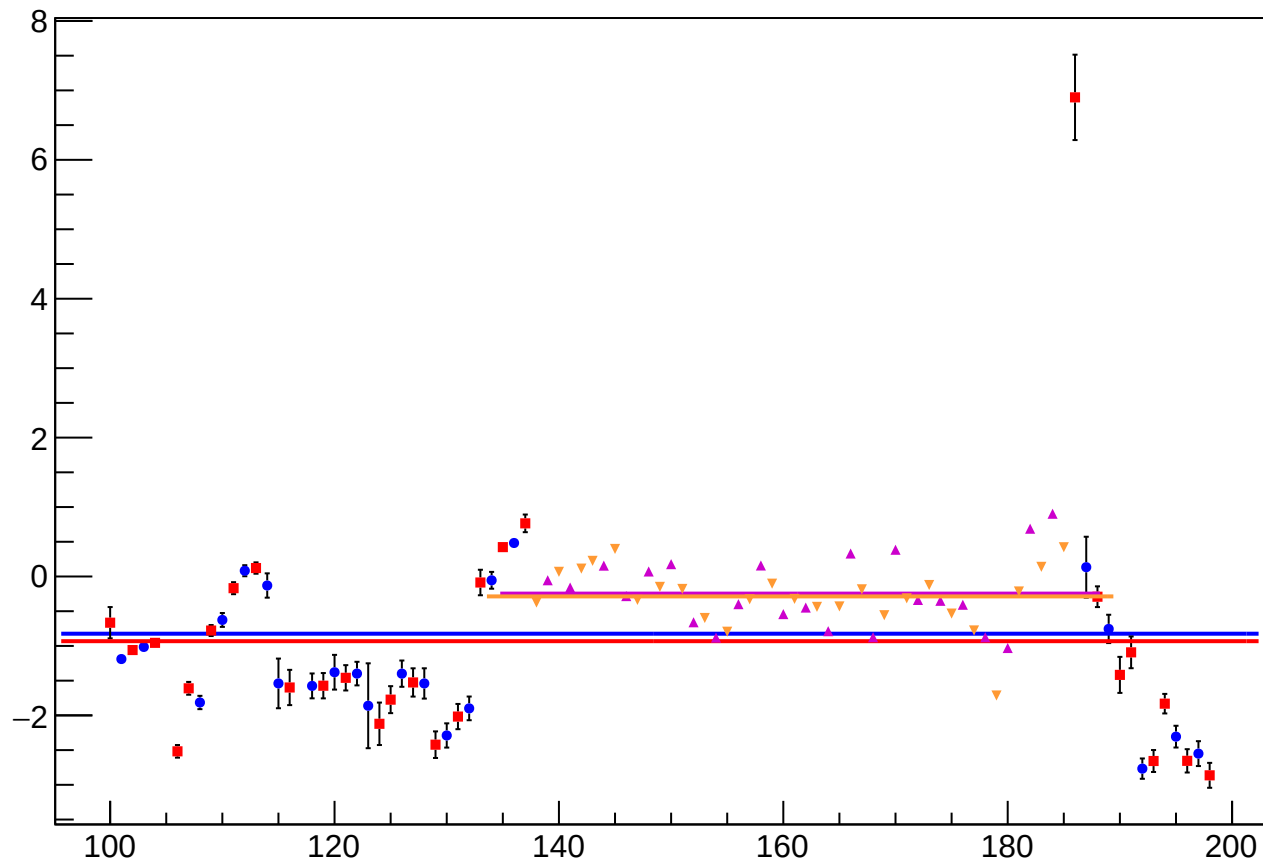
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.916 $\pm$ 0.182 χ^2 /NDF: 13690.7/46

All: 107.911 $\pm$ 0.130 χ^2 /NDF: 27158.7/96

- sign 106.867 $\pm$ 0.186 χ^2 /NDF: 13406.1/49

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.824 ± 0.025 χ^2/NDF : 1378.8/21

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.932 ± 0.023 χ^2/NDF : 1891.3/26

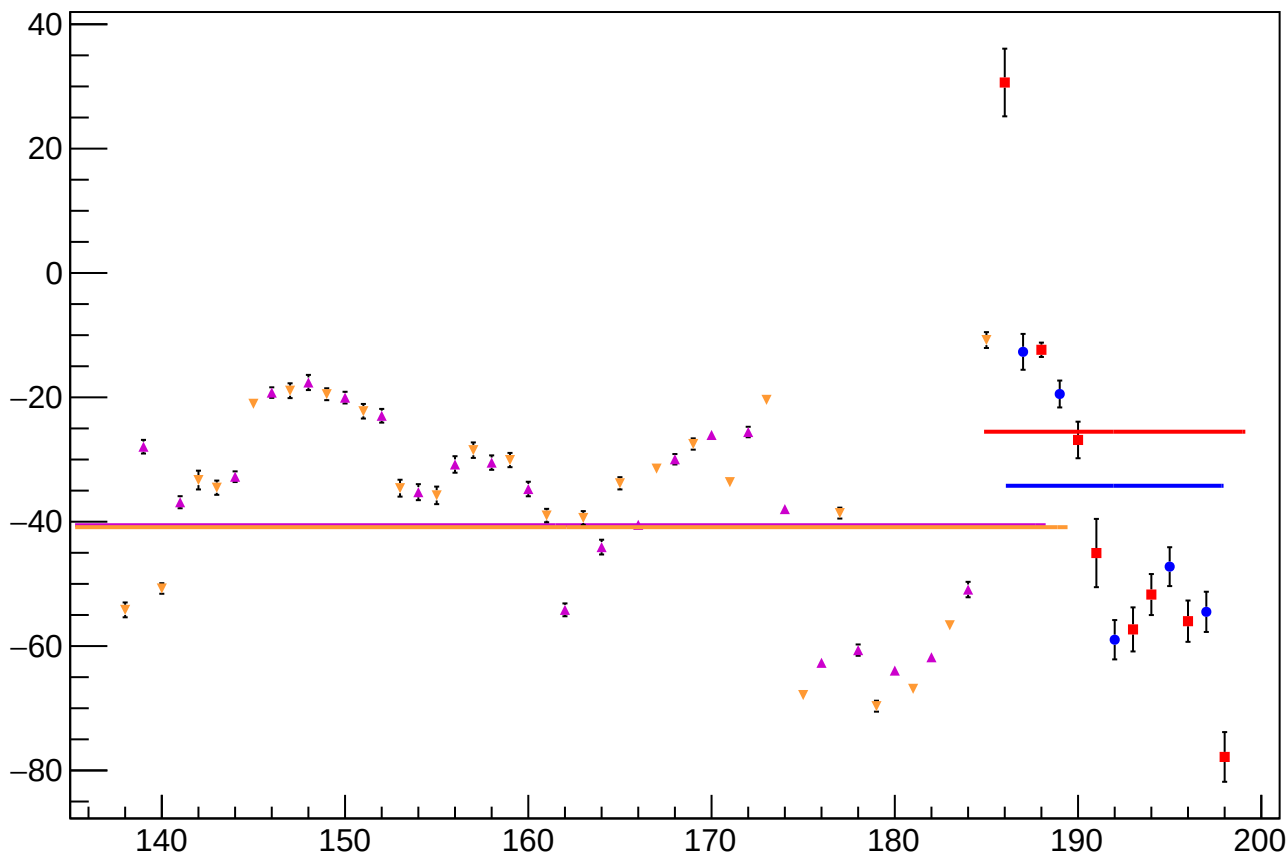
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.351 ± 0.009 χ^2/NDF : 3849.5/46

All: -0.347 ± 0.006 χ^2/NDF : 9307.8/96

- sign -0.343 ± 0.009 χ^2/NDF : 5457.9/49

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -34.220 ± 1.258 χ^2/NDF : 220.3/4

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -25.527 ± 0.892 χ^2/NDF : 648.3/7

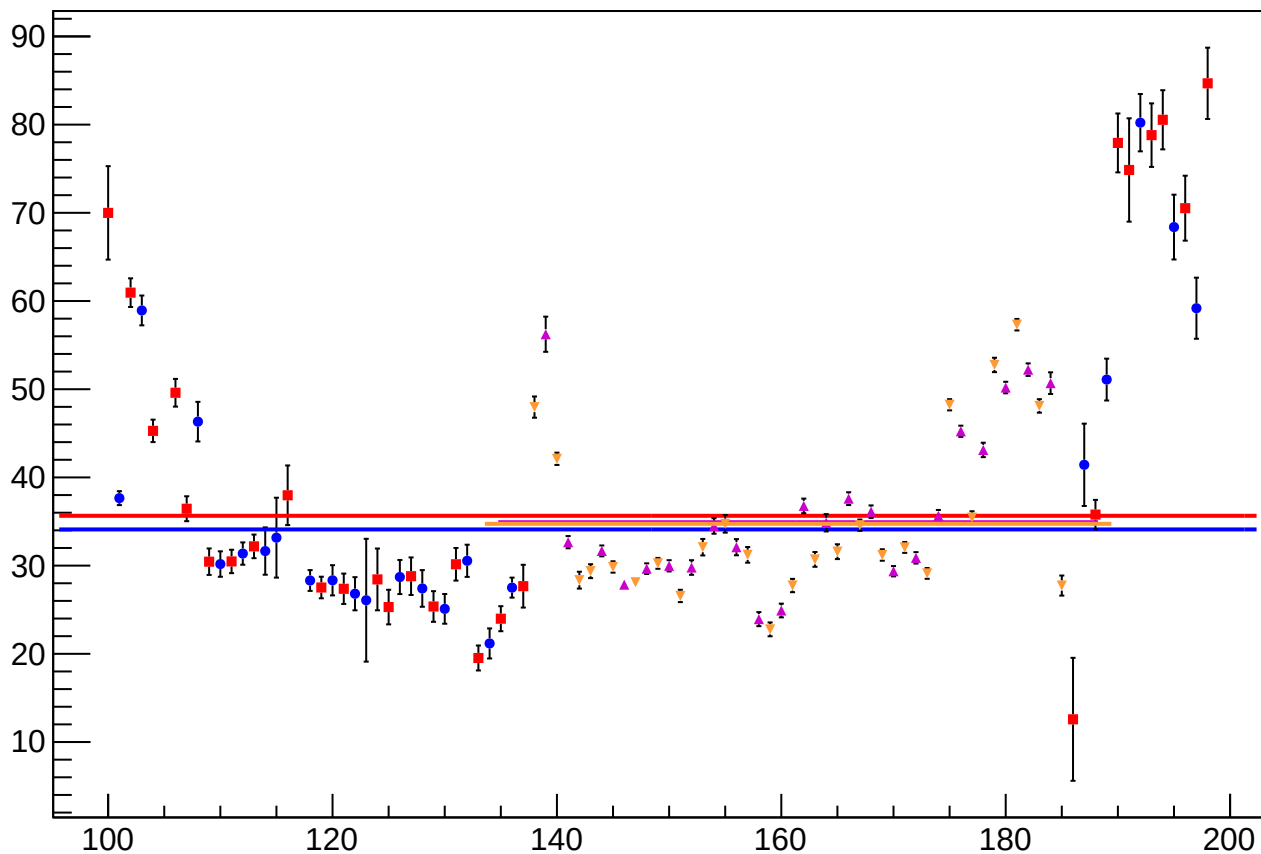
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.737 ± 0.184 χ^2/NDF : 9371.0/29

All: -40.329 ± 0.131 χ^2/NDF : 17256.0/60

- sign -39.915 ± 0.186 χ^2/NDF : 7875.1/30

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 34.103 ± 0.364 χ^2/NDF : 866.7/21

Left Out: 34.741 ± 0.147 χ^2/NDF : 3693.2/24

Right Out: 35.650 ± 0.359 χ^2/NDF : 1592.5/26

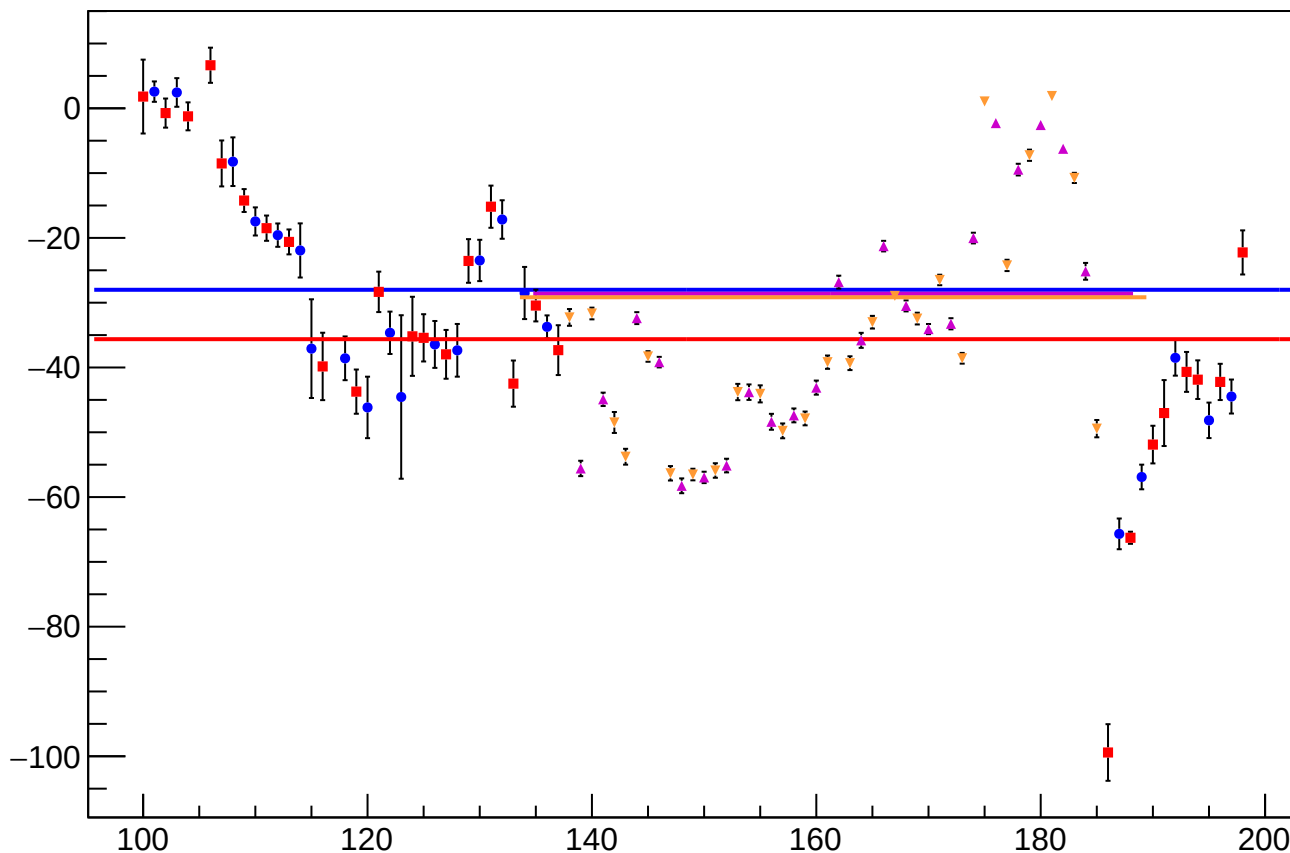
Left In: 34.922 ± 0.152 χ^2/NDF : 2672.9/22

+ sign 34.651 ± 0.137 χ^2/NDF : 4562.5/46

All: 34.837 ± 0.098 χ^2/NDF : 8835.3/96

- sign 35.032 ± 0.140 χ^2/NDF : 4268.9/49

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -28.008 ± 0.568 χ^2/NDF : 1302.6/21

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -35.632 ± 0.488 χ^2/NDF : 2551.7/26

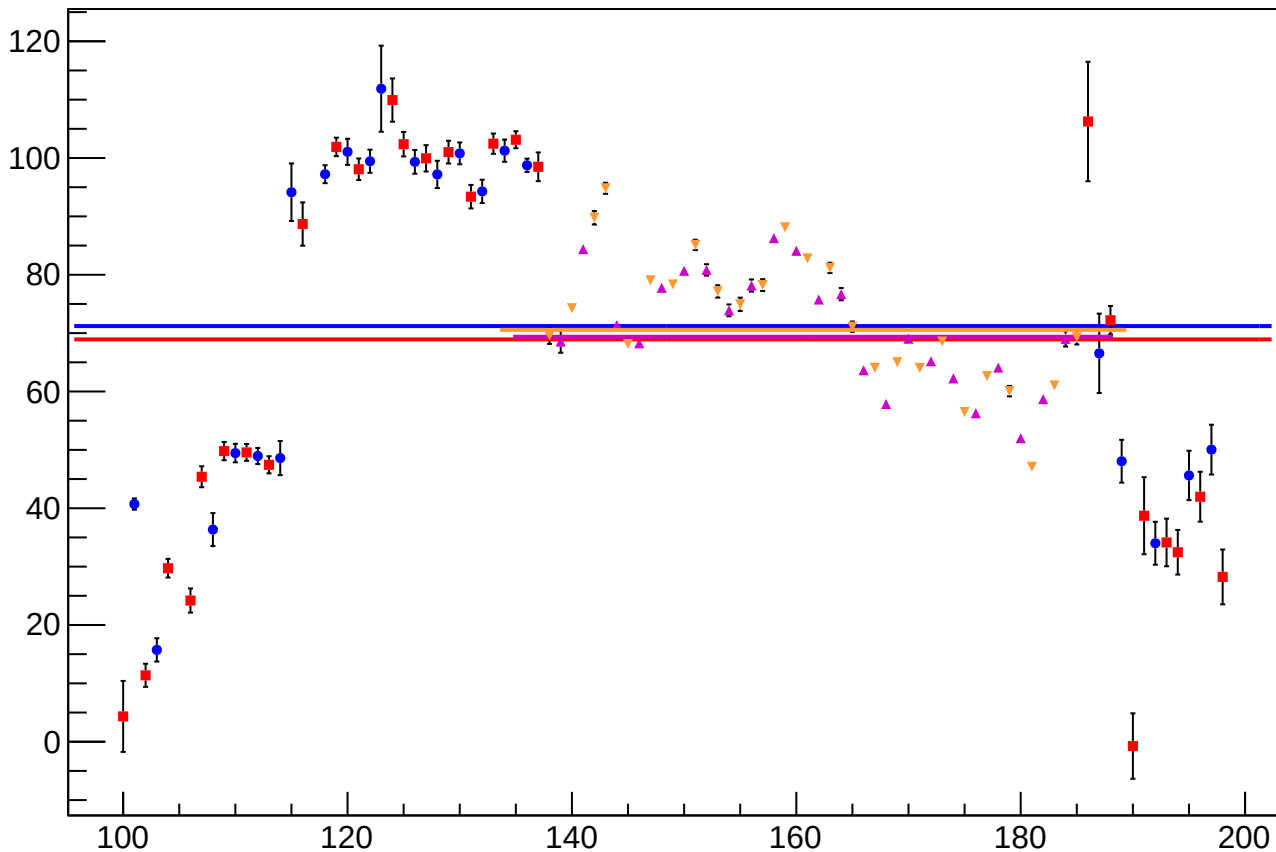
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -29.050 ± 0.178 χ^2/NDF : 11432.4/46

All: -29.295 ± 0.125 χ^2/NDF : 23208.1/96

- sign -29.537 ± 0.177 χ^2/NDF : 11771.9/49

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 71.209 $\pm$ 0.418 χ^2 /NDF: 4885.7/21

Left Out: 70.563 $\pm$ 0.166 χ^2 /NDF: 4589.1/24

Right Out: 68.927 $\pm$ 0.416 χ^2 /NDF: 5981.9/26

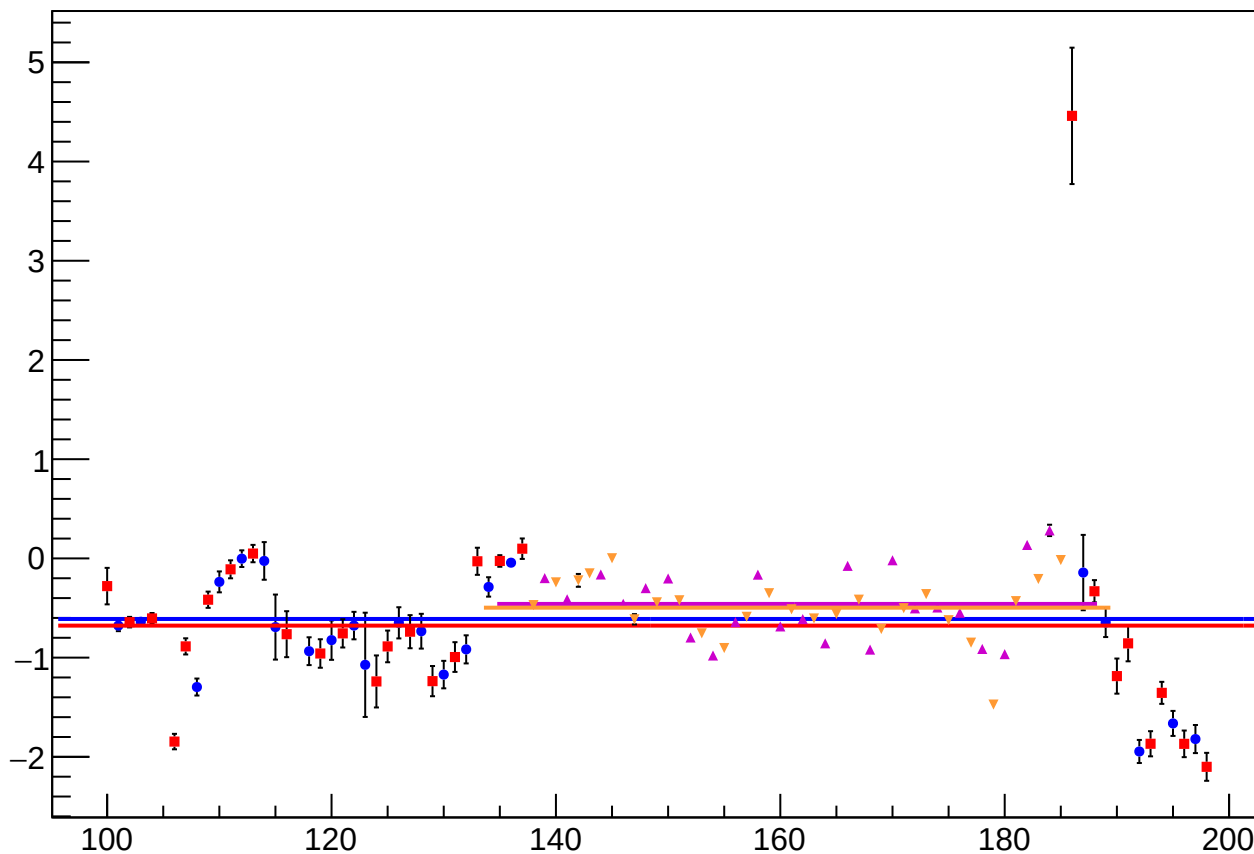
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF: 3321.8/22

+ sign 70.651 $\pm$ 0.154 χ^2 /NDF: 9476.8/46

All: 69.999 $\pm$ 0.110 χ^2 /NDF: 18817.9/96

- sign 69.321 $\pm$ 0.158 χ^2 /NDF: 9304.7/49

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.610 ± 0.021 χ^2/NDF : 603.4/21

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.677 ± 0.020 χ^2/NDF : 970.3/26

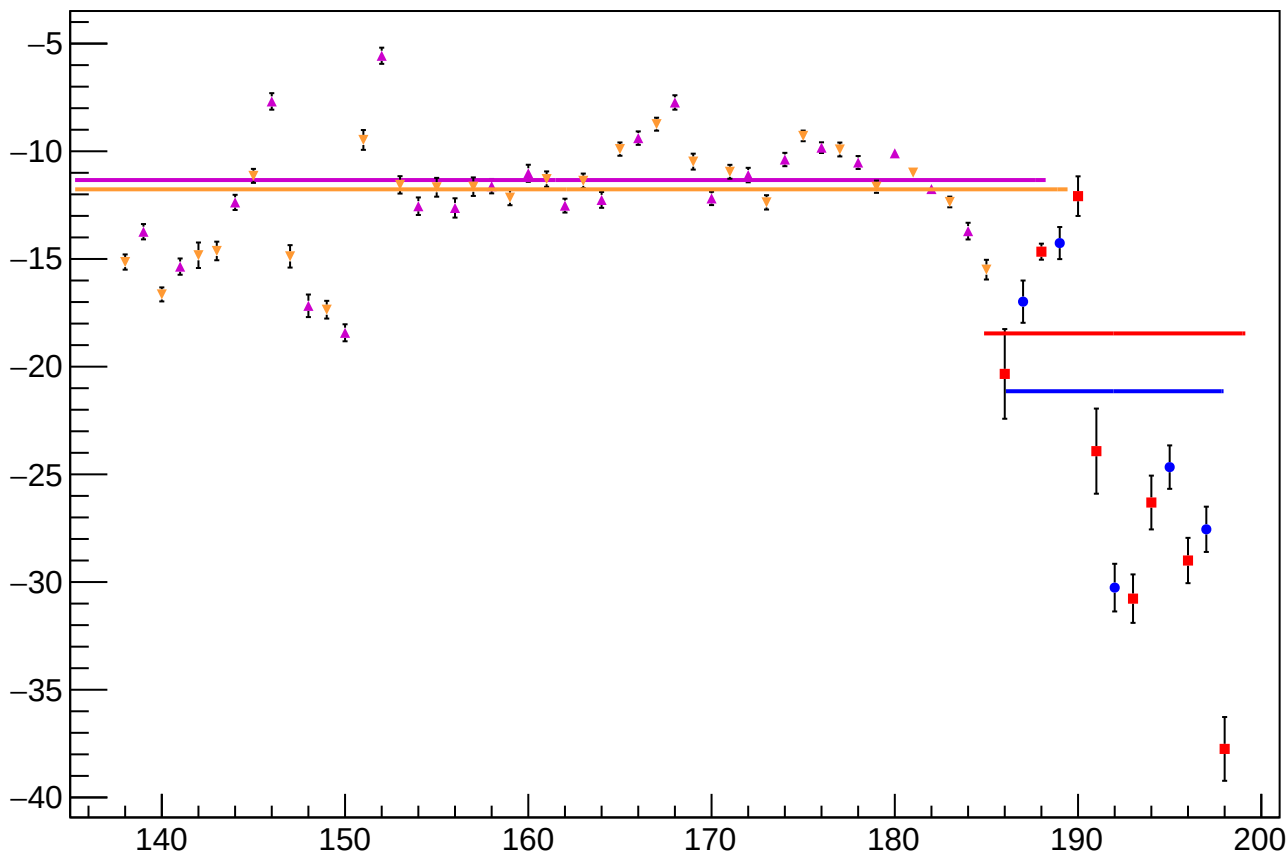
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.510 ± 0.007 χ^2/NDF : 2078.3/46

All: -0.499 ± 0.005 χ^2/NDF : 5118.0/96

- sign -0.488 ± 0.007 χ^2/NDF : 3035.1/49

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -21.141 ± 0.425 $\chi^2/\text{NDF}: 220.5/4$
 Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$
 Right Out: -18.457 ± 0.293 $\chi^2/\text{NDF}: 590.0/7$
 Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -11.992 ± 0.066 $\chi^2/\text{NDF}: 1716.9/29$
 All: -11.848 ± 0.047 $\chi^2/\text{NDF}: 4147.7/60$
 - sign -11.701 ± 0.066 $\chi^2/\text{NDF}: 2421.0/30$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.686 ± 0.145 χ^2/NDF : 1598.2/21

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -35.096 ± 0.140 χ^2/NDF : 2229.4/26

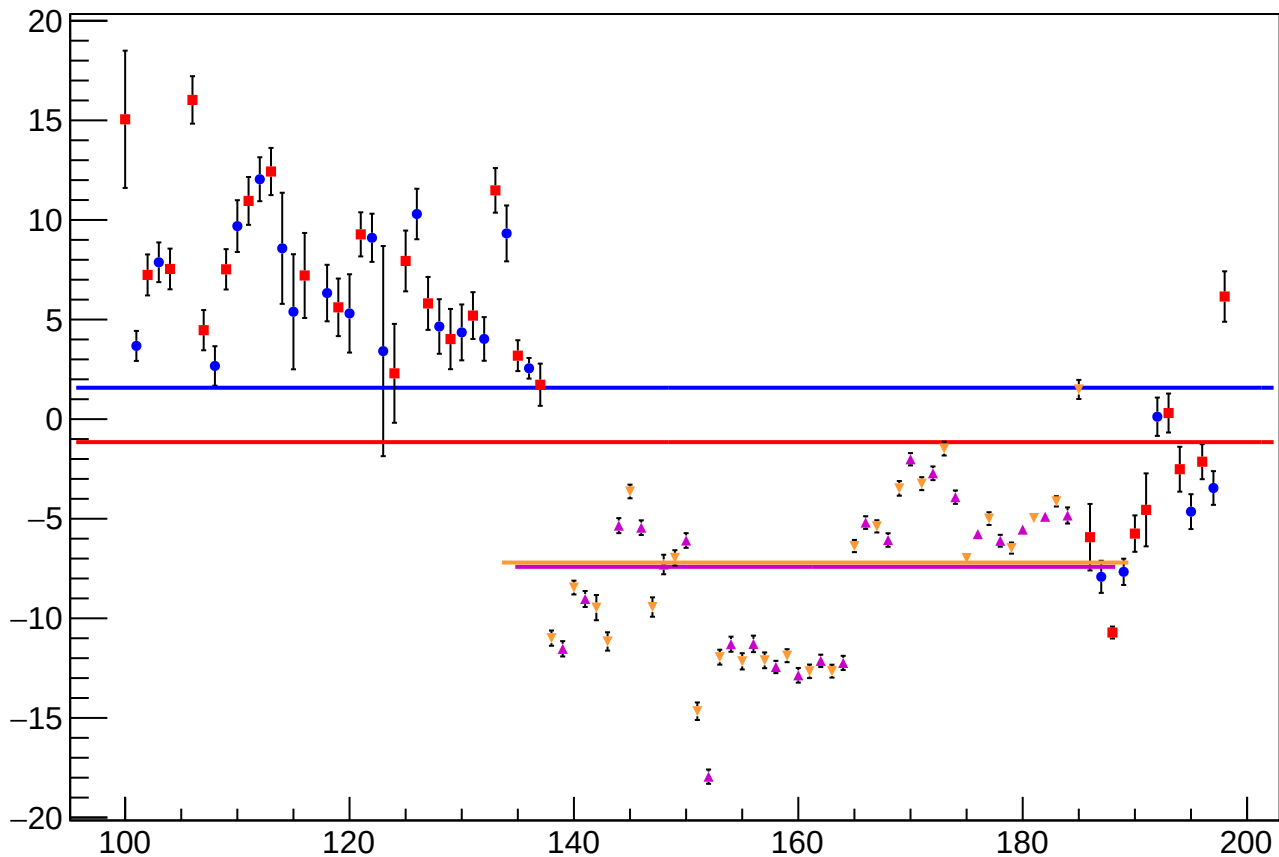
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.753 ± 0.050 χ^2/NDF : 3166.5/46

All: -30.776 ± 0.036 χ^2/NDF : 7714.8/96

- sign -30.801 ± 0.052 χ^2/NDF : 4547.8/49

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 1.577 ± 0.217 $\chi^2/\text{NDF}: 757.8/21$

Left Out: -7.199 ± 0.067 $\chi^2/\text{NDF}: 3037.3/24$

Right Out: -1.154 ± 0.183 $\chi^2/\text{NDF}: 2193.2/26$

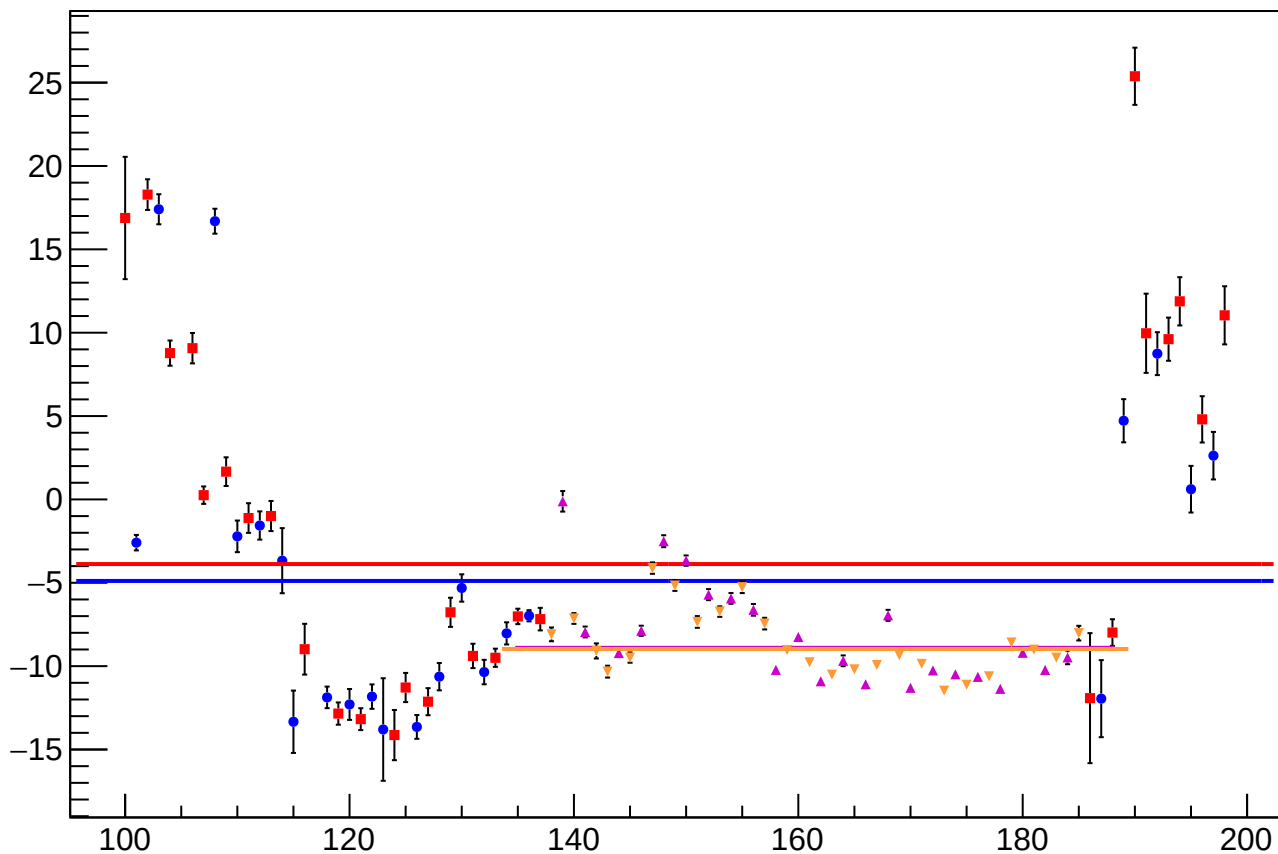
Left In: -7.415 ± 0.068 $\chi^2/\text{NDF}: 3123.3/22$

+ sign -6.437 ± 0.064 $\chi^2/\text{NDF}: 5290.3/46$

All: -6.547 ± 0.045 $\chi^2/\text{NDF}: 11643.9/96$

- sign -6.656 ± 0.064 $\chi^2/\text{NDF}: 6347.7/49$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.890 ± 0.165 χ^2/NDF : 2327.8/21

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -3.877 ± 0.163 χ^2/NDF : 2770.3/26

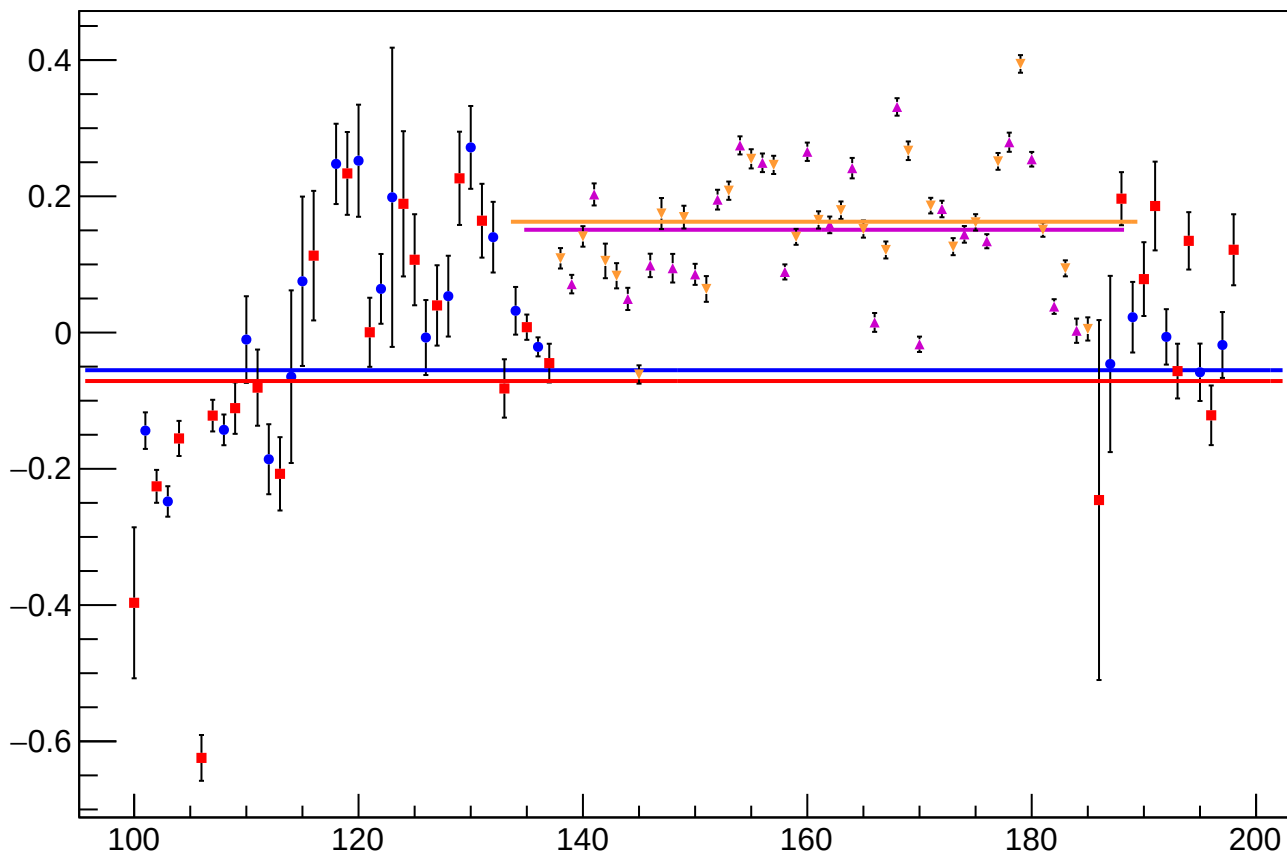
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.493 ± 0.057 χ^2/NDF : 3744.2/46

All: -8.386 ± 0.040 χ^2/NDF : 8882.3/96

- sign -8.275 ± 0.058 χ^2/NDF : 5130.8/49

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.055 ± 0.008 χ^2/NDF : 219.2/21

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.071 ± 0.008 χ^2/NDF : 557.6/26

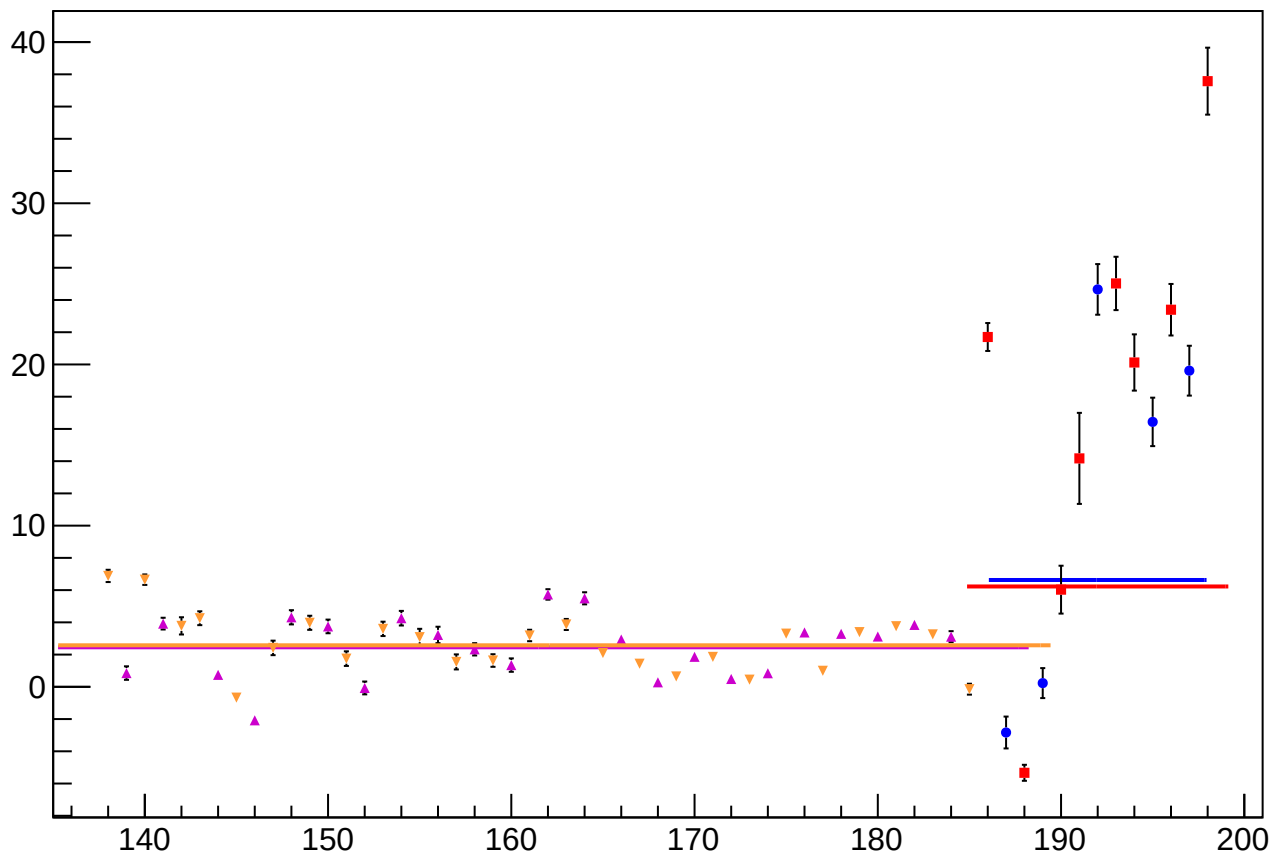
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.139 ± 0.003 χ^2/NDF : 1923.0/46

All: 0.132 ± 0.002 χ^2/NDF : 4537.7/96

- sign 0.125 ± 0.003 χ^2/NDF : 2599.1/49

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 6.628 ± 0.539 $\chi^2/\text{NDF}: 383.8/4$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 6.226 ± 0.370 $\chi^2/\text{NDF}: 1405.0/7$

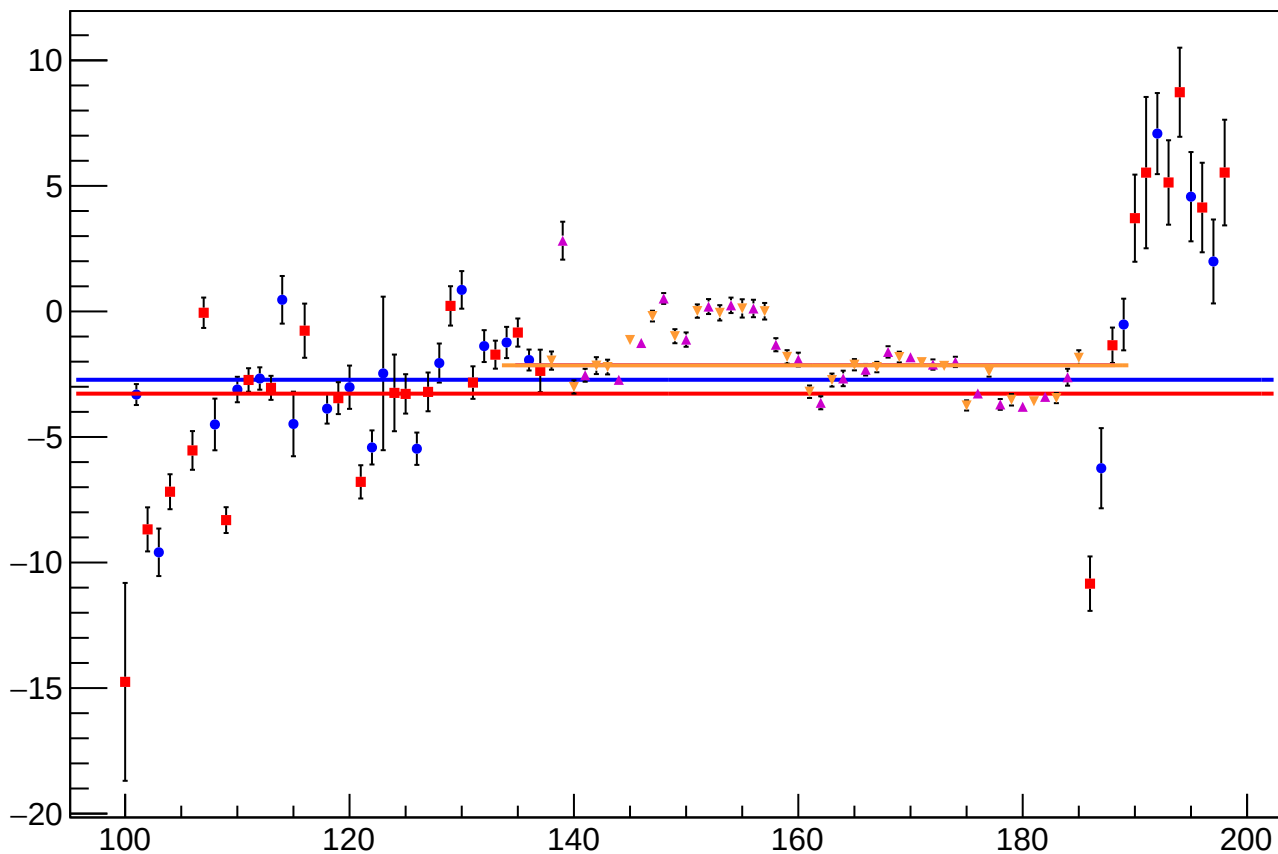
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.624 ± 0.058 $\chi^2/\text{NDF}: 1307.1/29$

All: 2.586 ± 0.041 $\chi^2/\text{NDF}: 3685.4/60$

- sign 2.547 ± 0.059 $\chi^2/\text{NDF}: 2377.4/30$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.721 ± 0.151 χ^2/NDF : 217.7/21

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -3.274 ± 0.147 χ^2/NDF : 480.7/26

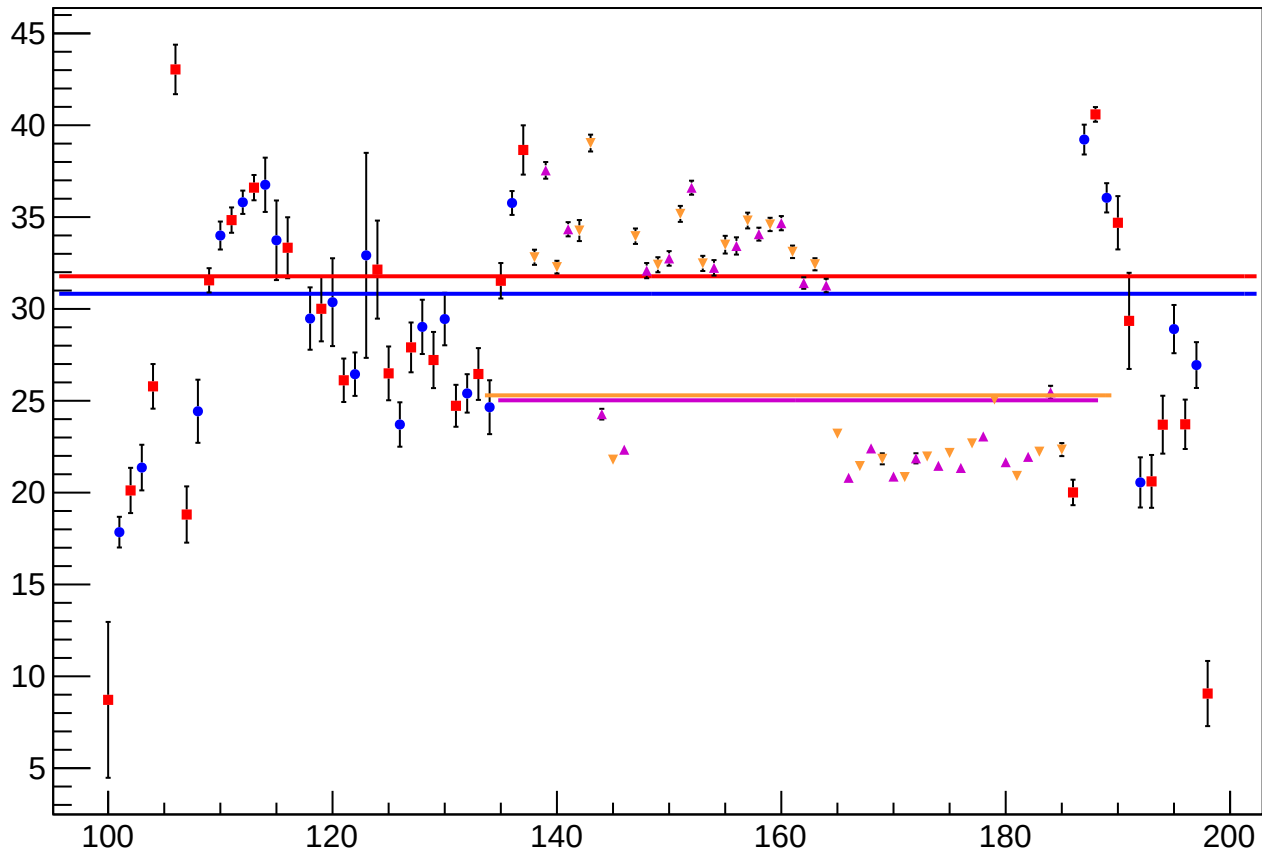
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.198 ± 0.045 χ^2/NDF : 804.3/46

All: -2.222 ± 0.032 χ^2/NDF : 2030.8/96

- sign -2.248 ± 0.046 χ^2/NDF : 1225.9/49

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 30.825 $\pm$ 0.231 χ^2 /NDF: 782.3/21

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF:8272.3/24

Right Out: 31.777 $\pm$ 0.198 χ^2 /NDF: 1551.8/26

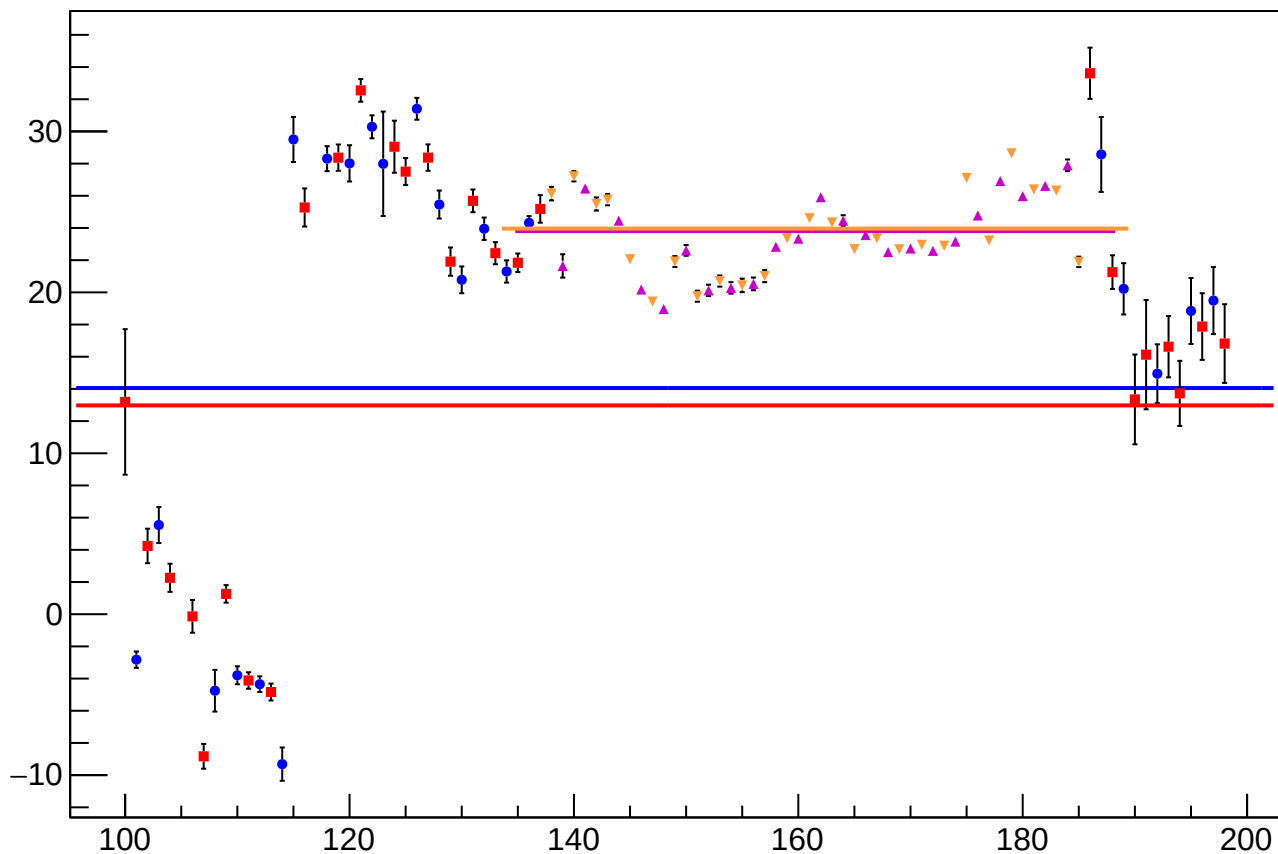
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF:7610.5/22

+ sign 25.634 $\pm$ 0.057 χ^2 /NDF: 9594.0/46

All: 25.609 $\pm$ 0.040 χ^2 /NDF: 19820.7/96

- sign 25.585 $\pm$ 0.057 χ^2 /NDF: 10226.3/49

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.054 $\pm$ 0.170 χ^2 /NDF: 7342.9/21

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.975 $\pm$ 0.168 χ^2 /NDF: 7207.4/26

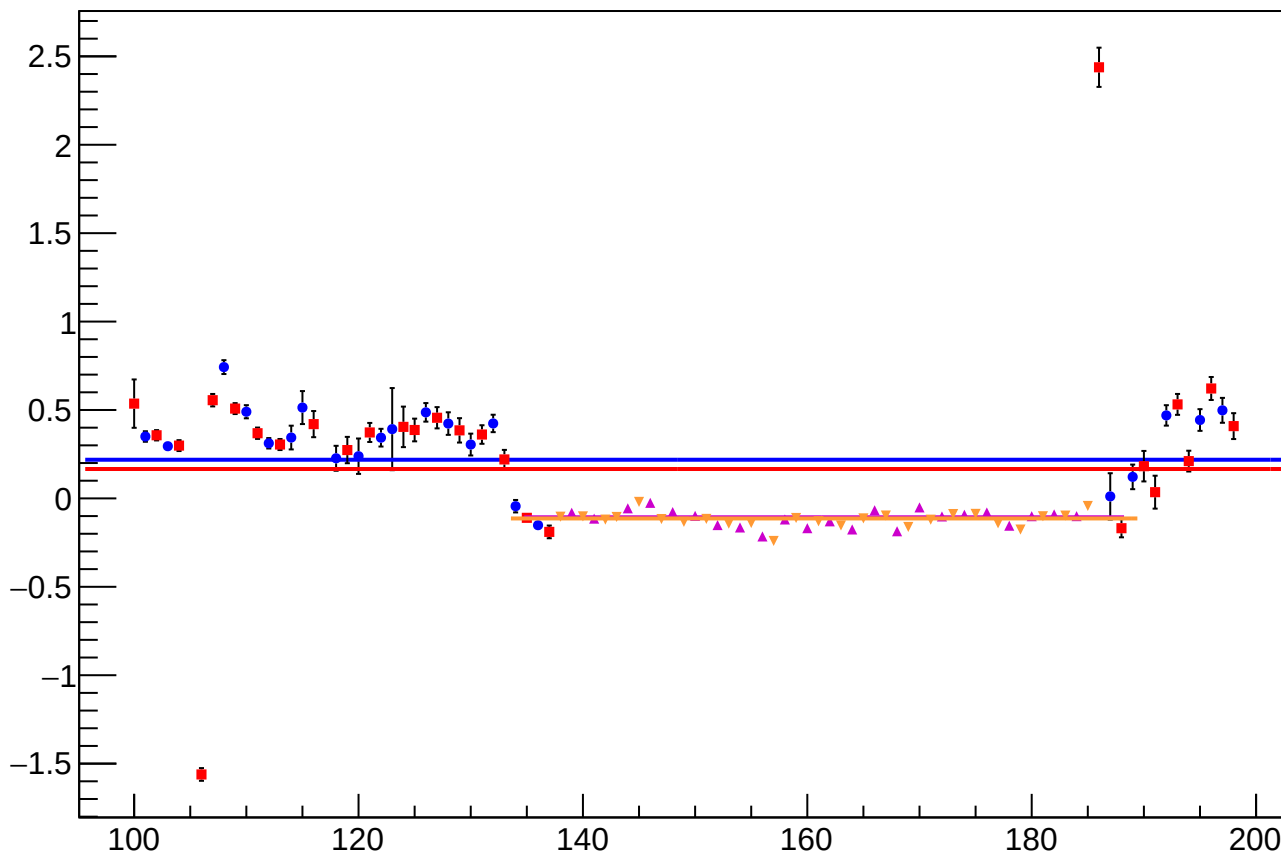
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.076 $\pm$ 0.051 χ^2 /NDF: 12371.4/46

All: 22.934 $\pm$ 0.036 χ^2 /NDF: 25126.7/96

- sign 22.788 $\pm$ 0.051 χ^2 /NDF: 12739.4/49

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.219 ± 0.009 χ^2/NDF : 901.1/21

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.166 ± 0.009 χ^2/NDF : 3584.3/26

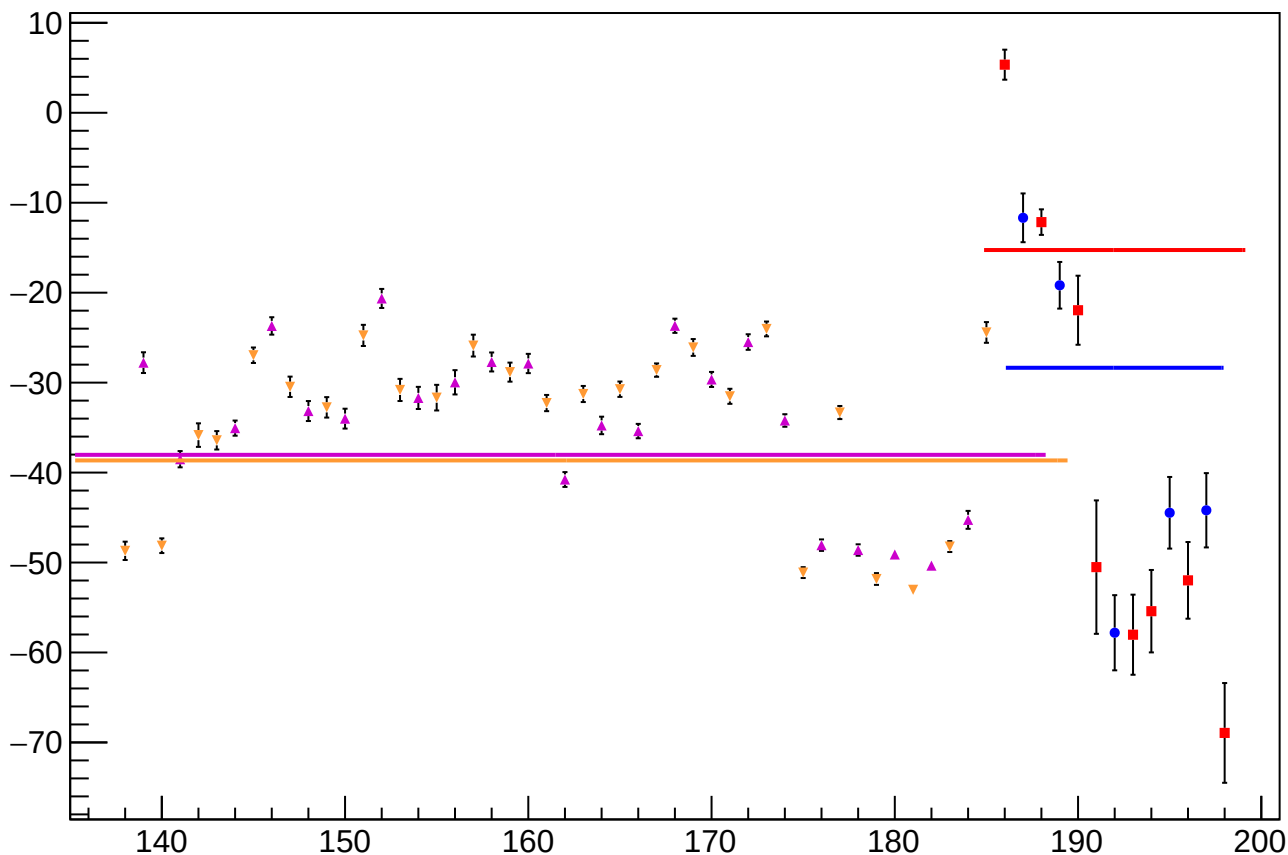
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.091 ± 0.002 χ^2/NDF : 2465.6/46

All: -0.089 ± 0.002 χ^2/NDF : 7301.9/96

- sign -0.086 ± 0.002 χ^2/NDF : 4834.2/49

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -28.349 ± 1.468 $\chi^2/\text{NDF}: 131.1/4$

Left Out: -38.650 ± 0.169 $\chi^2/\text{NDF}: 4077.2/24$

Right Out: -15.258 ± 0.942 $\chi^2/\text{NDF}: 519.8/7$

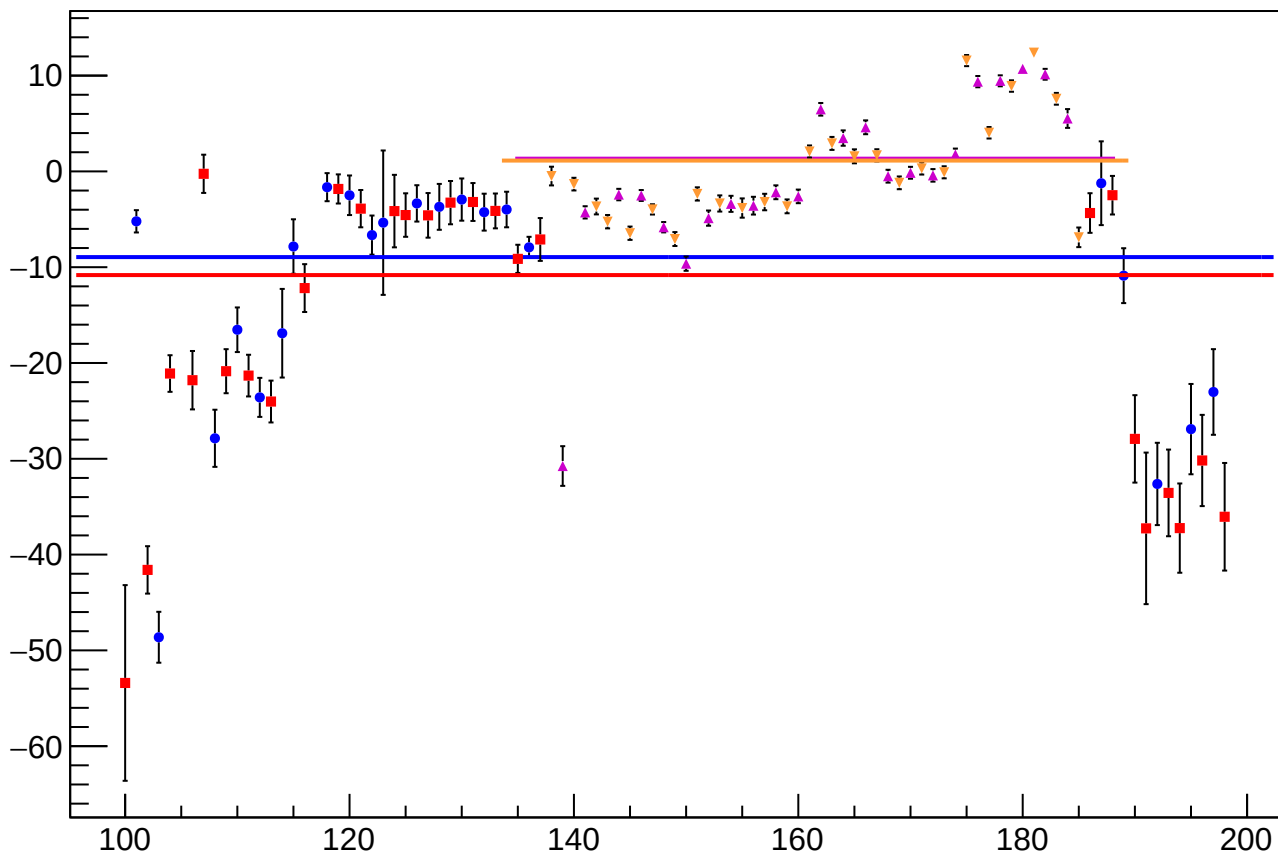
Left In: -38.027 ± 0.173 $\chi^2/\text{NDF}: 3091.9/22$

+ sign -38.515 ± 0.168 $\chi^2/\text{NDF}: 4256.9/29$

All: -37.908 ± 0.120 $\chi^2/\text{NDF}: 8459.7/60$

- sign -37.283 ± 0.170 $\chi^2/\text{NDF}: 4176.2/30$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.945 ± 0.451 χ^2/NDF : 468.4/21

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -10.823 ± 0.454 χ^2/NDF : 576.7/26

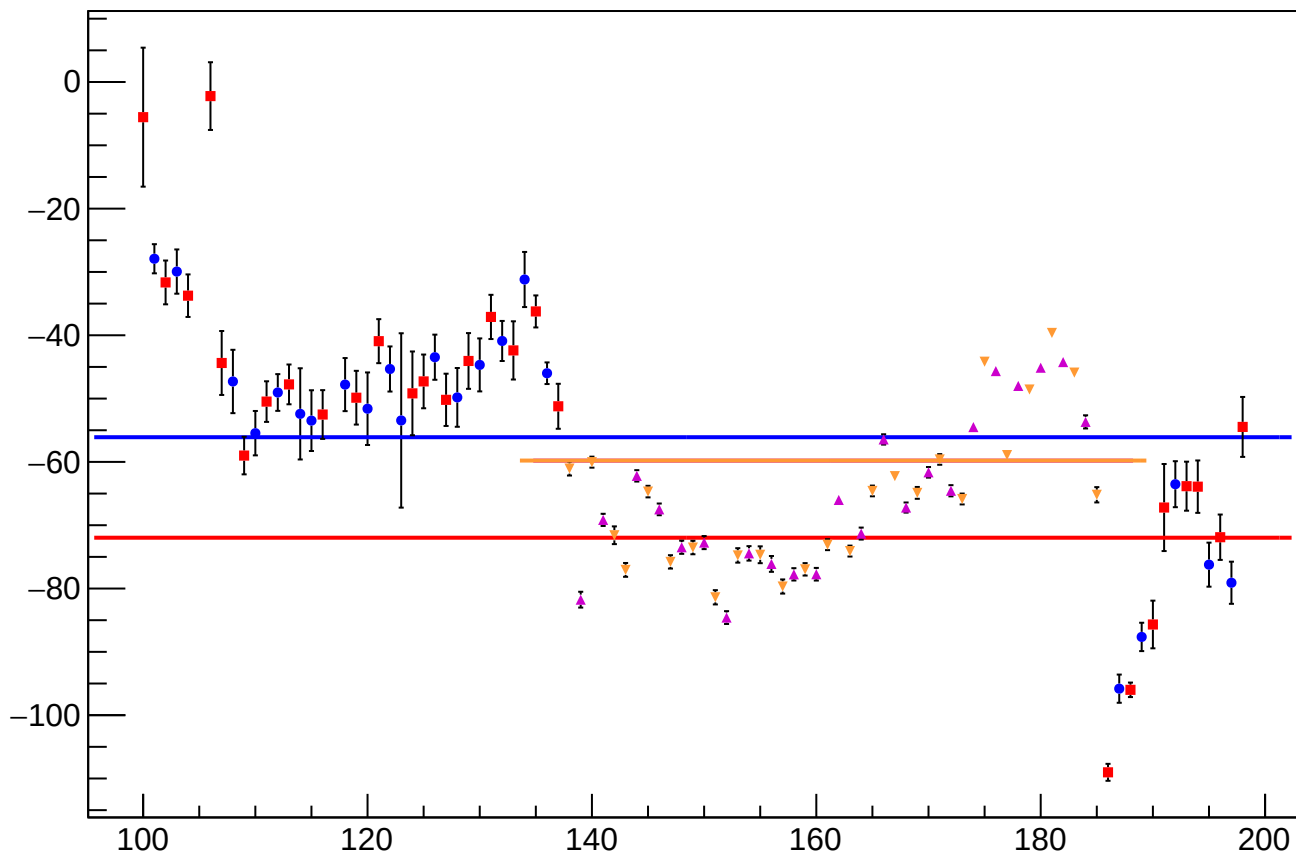
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.290 ± 0.130 χ^2/NDF : 2725.3/46

All: 0.283 ± 0.093 χ^2/NDF : 6004.5/96

- sign 0.276 ± 0.134 χ^2/NDF : 3279.2/49

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -56.100 ± 0.695 $\chi^2/\text{NDF}: 943.6/21$

Left Out: -59.789 ± 0.170 $\chi^2/\text{NDF}: 5837.7/24$

Right Out: -71.973 ± 0.579 $\chi^2/\text{NDF}: 2488.4/26$

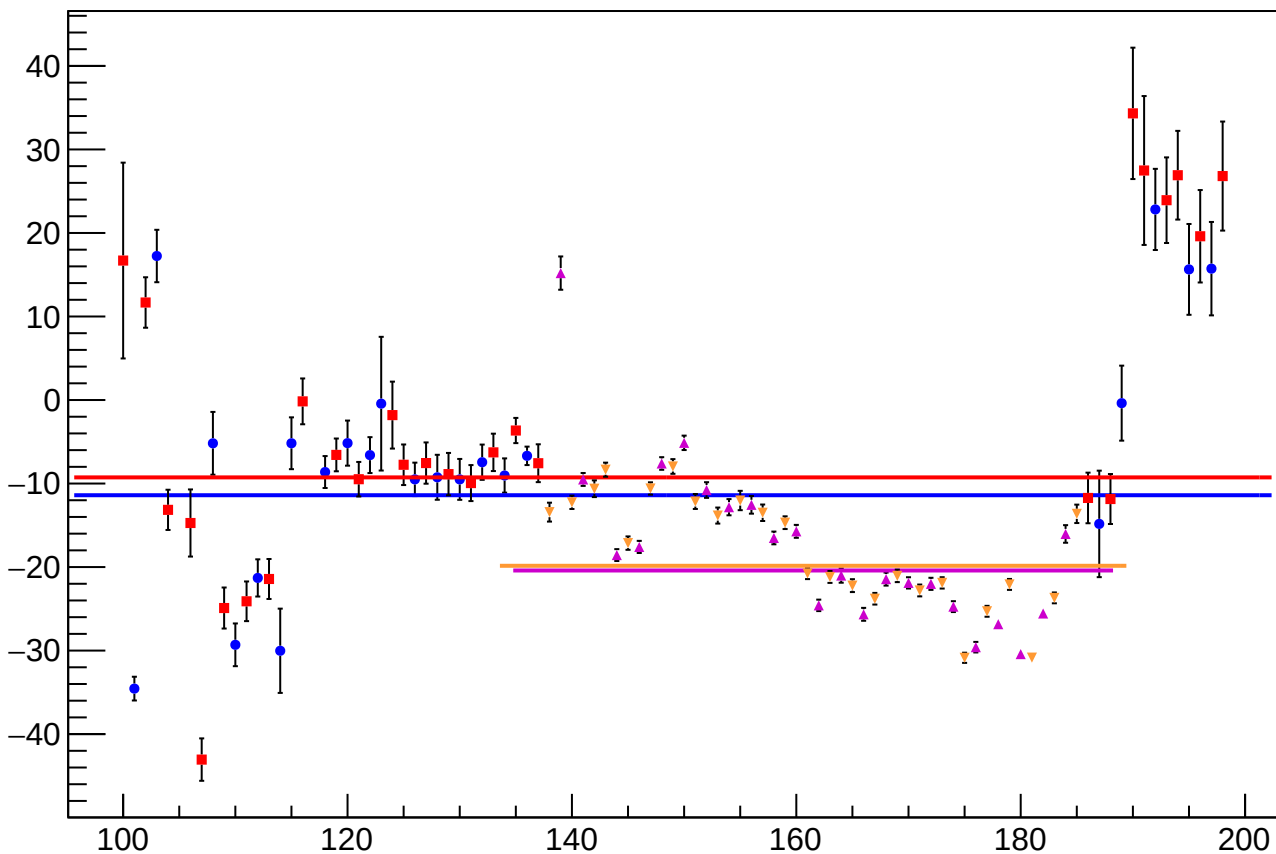
Left In: -59.802 ± 0.173 $\chi^2/\text{NDF}: 5217.5/22$

+ sign -59.580 ± 0.165 $\chi^2/\text{NDF}: 6807.9/46$

All: -60.189 ± 0.117 $\chi^2/\text{NDF}: 14947.1/96$

- sign -60.804 ± 0.166 $\chi^2/\text{NDF}: 8111.8/49$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -11.399 ± 0.511 χ^2/NDF : 581.4/21

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -9.264 ± 0.525 χ^2/NDF : 568.7/26

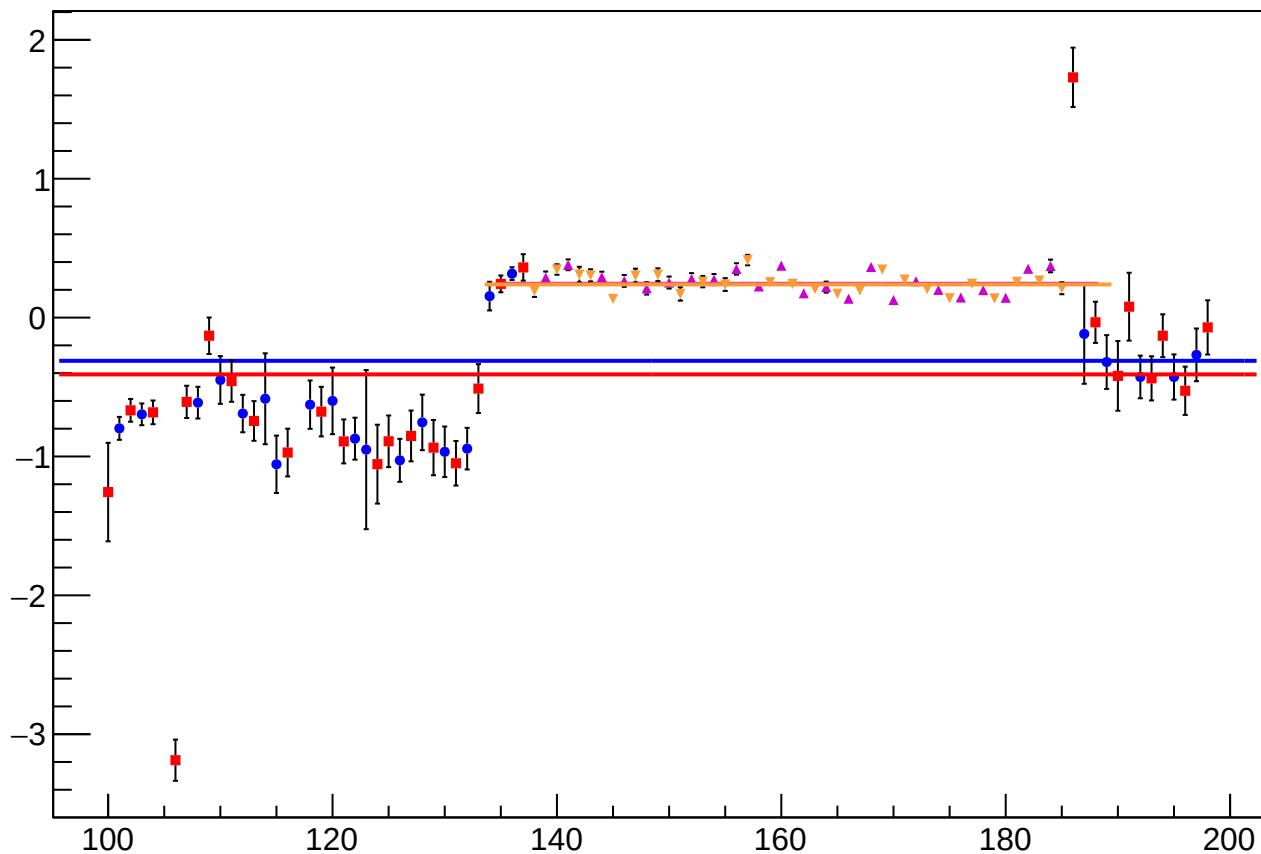
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.155 ± 0.146 χ^2/NDF : 2763.5/46

All: -19.322 ± 0.105 χ^2/NDF : 6050.8/96

- sign -19.498 ± 0.150 χ^2/NDF : 3284.7/49

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.311 ± 0.026 χ^2/NDF : 373.1/21

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.409 ± 0.026 χ^2/NDF : 751.3/26

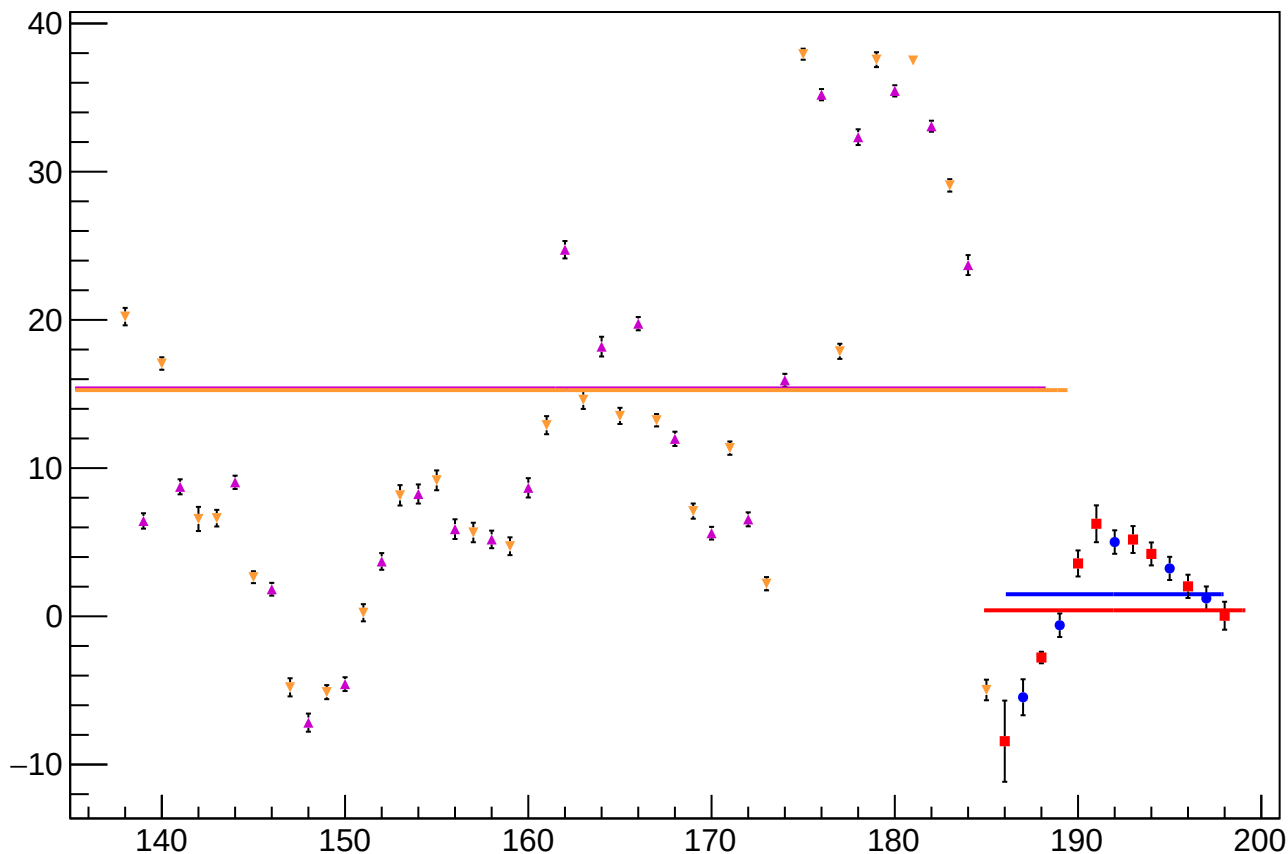
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.202 ± 0.007 χ^2/NDF : 877.1/46

All: 0.200 ± 0.005 χ^2/NDF : 2345.3/96

- sign 0.198 ± 0.007 χ^2/NDF : 1468.1/49

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.490 $\pm$ 0.378 χ^2 /NDF: 64.5/4

Left Out: 15.263 $\pm$ 0.100 χ^2 /NDF:19175.2/24

Right Out: 0.404 $\pm$ 0.264 χ^2 /NDF: 168.7/7

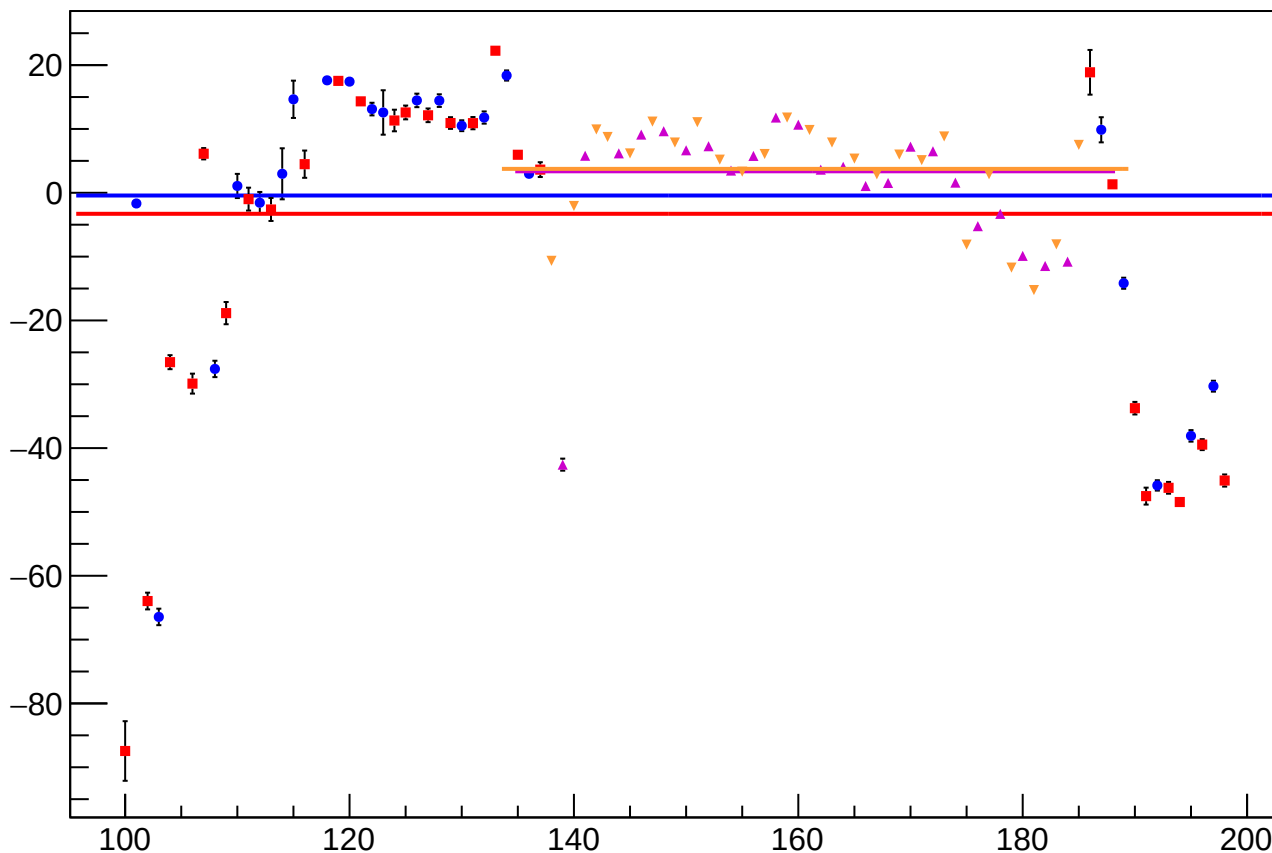
Left In: 15.377 $\pm$ 0.103 χ^2 /NDF:16268.9/22

+ sign 14.352 $\pm$ 0.097 χ^2 /NDF: 20482.1/29

All: 13.875 $\pm$ 0.068 χ^2 /NDF: 39754.7/60

- sign 13.411 $\pm$ 0.096 χ^2 /NDF: 19225.1/30

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -0.427 ± 0.194 χ^2/NDF : 13053.5/21

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -3.293 ± 0.177 χ^2/NDF : 21109.2/26

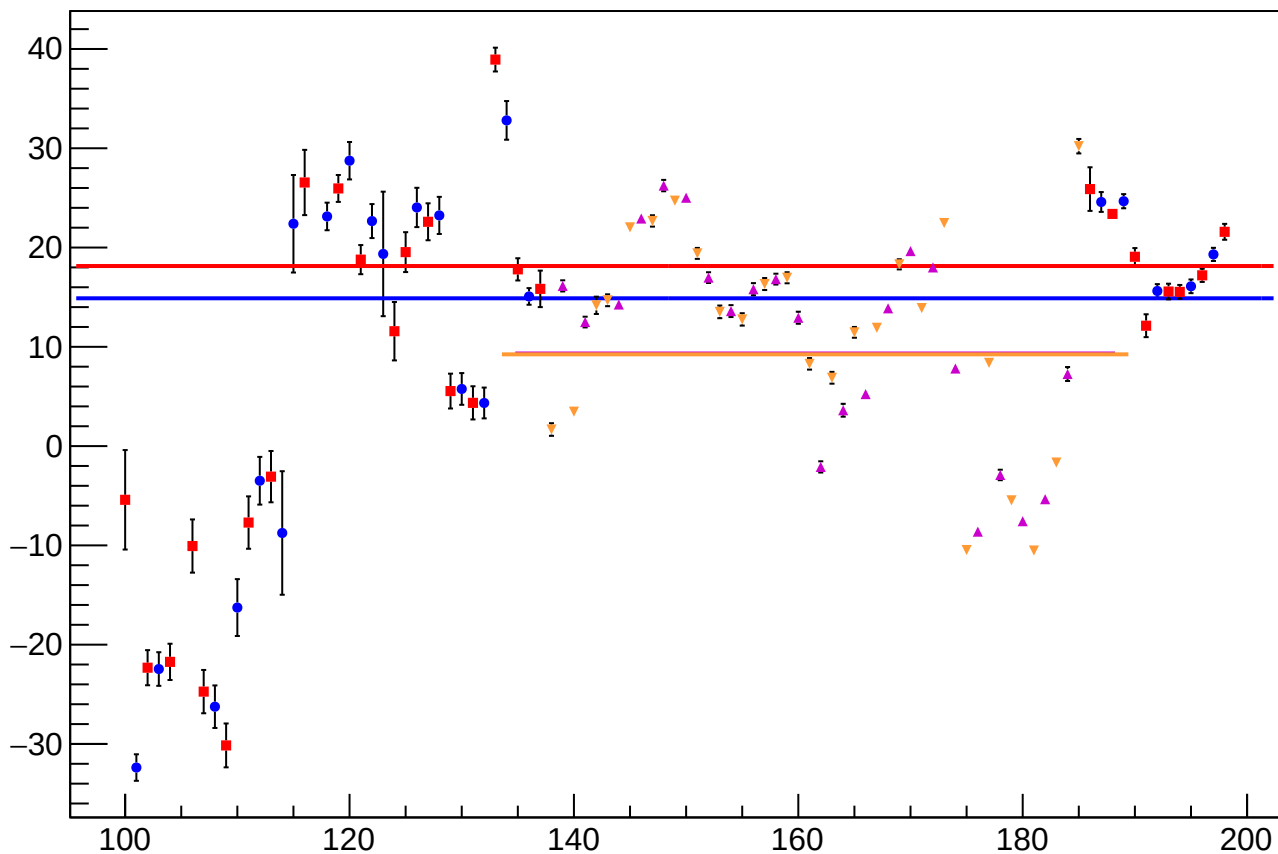
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 3.153 ± 0.073 χ^2/NDF : 22699.5/46

All: 2.686 ± 0.052 χ^2/NDF : 53587.8/96

- sign 2.207 ± 0.074 χ^2/NDF : 30805.0/49

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 14.888 $\pm$ 0.257 χ^2 /NDF: 2948.8/21

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 18.139 $\pm$ 0.198 χ^2 /NDF: 2996.5/26

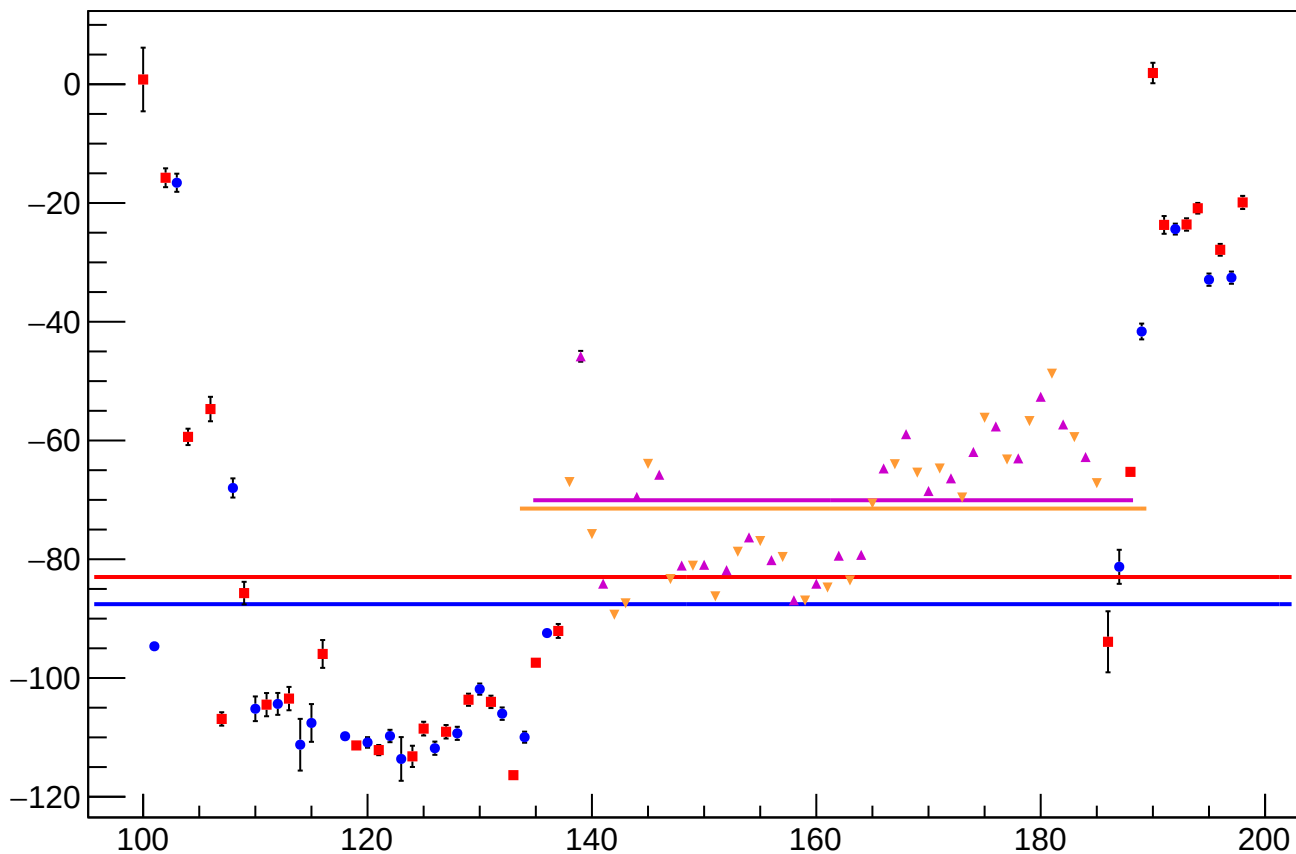
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 9.996 $\pm$ 0.094 χ^2 /NDF: 17000.1/46

All: 10.613 $\pm$ 0.065 χ^2 /NDF: 33610.7/96

- sign 11.193 $\pm$ 0.091 χ^2 /NDF: 16526.9/49

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -87.564 ± 0.226 χ^2/NDF : 18645.6/21

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -82.991 ± 0.210 χ^2/NDF : 31112.4/26

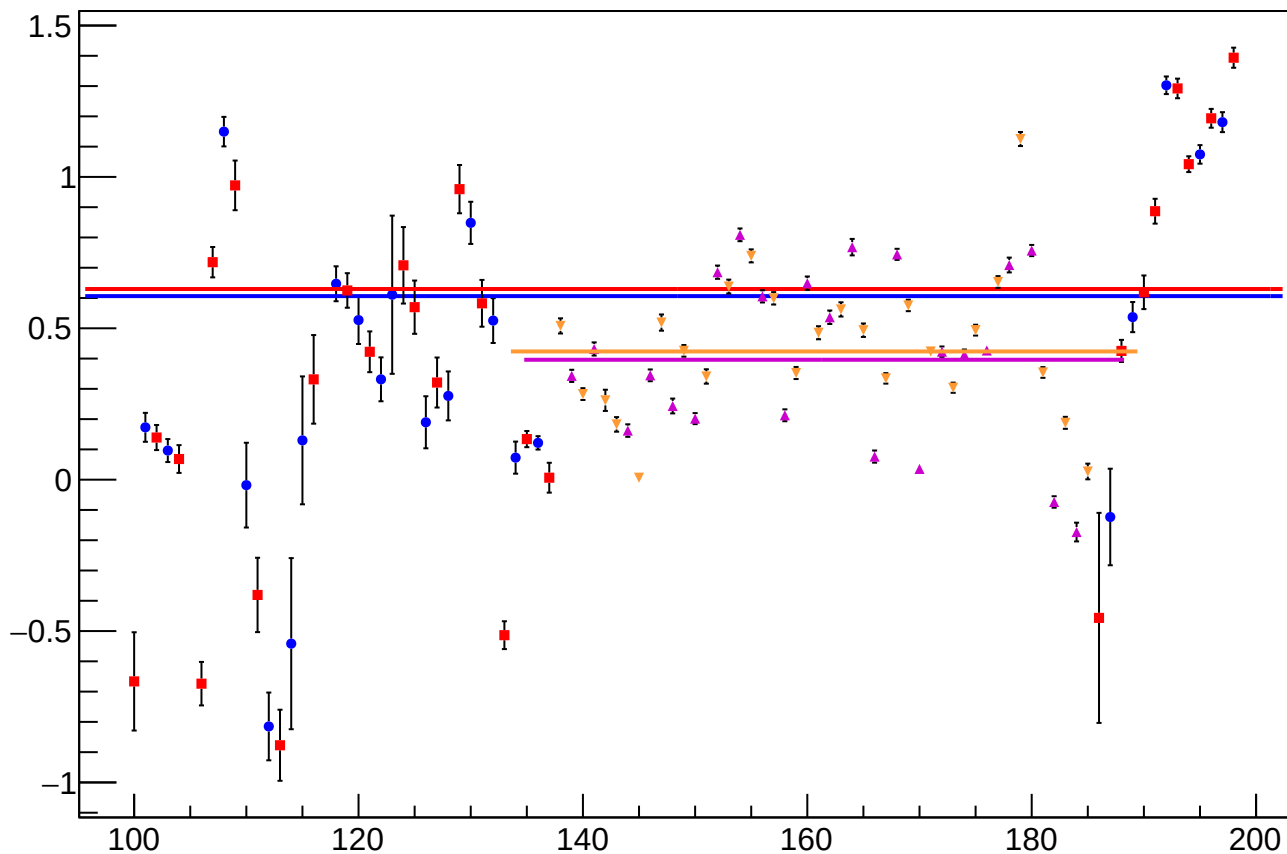
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -73.642 ± 0.083 χ^2/NDF : 39451.4/46

All: -72.898 ± 0.059 χ^2/NDF : 86972.5/96

- sign -72.135 ± 0.084 χ^2/NDF : 47358.3/49

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.606 ± 0.010 χ^2/NDF : 2373.9/21

Left Out: 0.424 ± 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.630 ± 0.009 χ^2/NDF : 3710.8/26

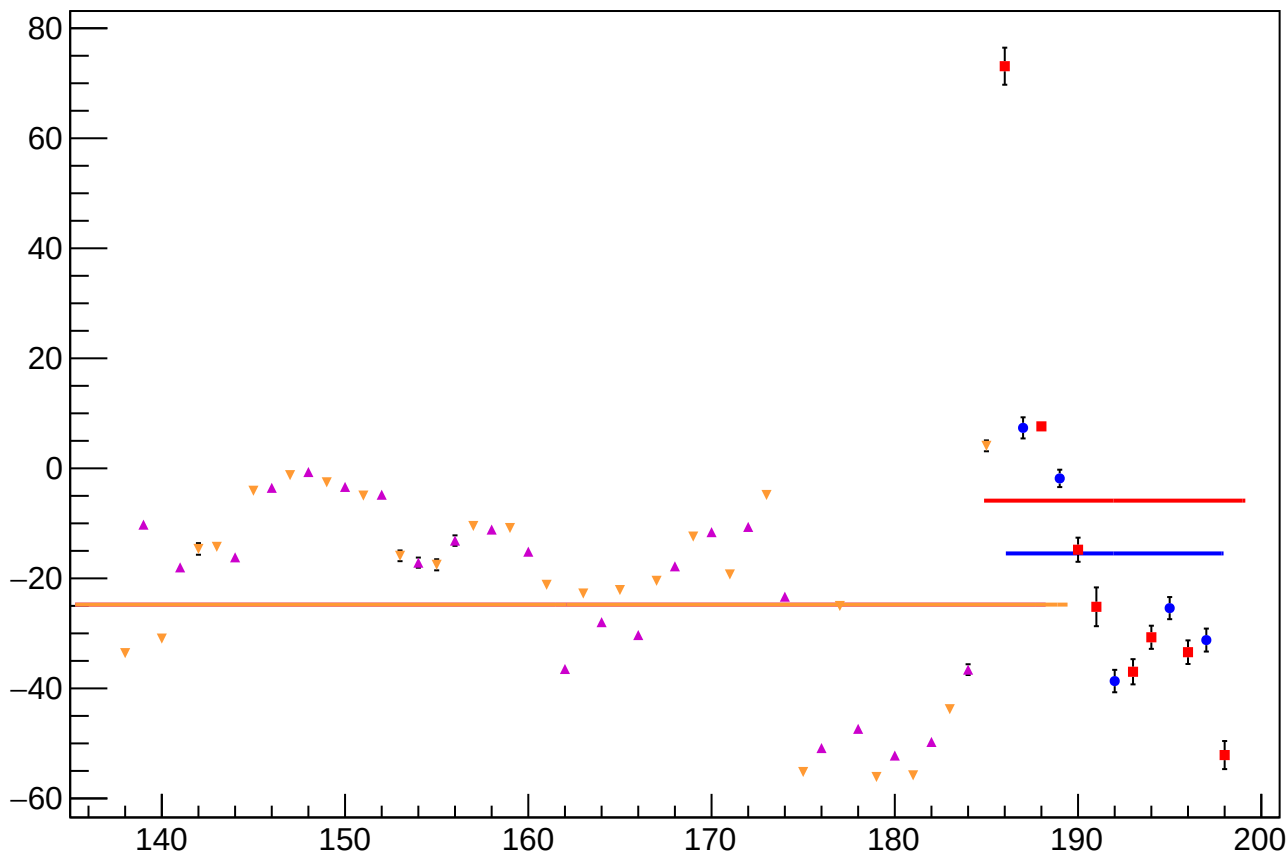
Left In: 0.396 ± 0.004 χ^2/NDF : 4051.5/22

+ sign 0.448 ± 0.004 χ^2/NDF : 5522.0/46

All: 0.441 ± 0.003 χ^2/NDF : 13814.7/96

- sign 0.435 ± 0.004 χ^2/NDF : 8287.3/49

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -15.467 ± 0.848 χ^2/NDF : 426.8/4

Left Out: -24.769 ± 0.139 χ^2/NDF : 18318.8/24

Right Out: -5.869 ± 0.606 χ^2/NDF : 1697.0/7

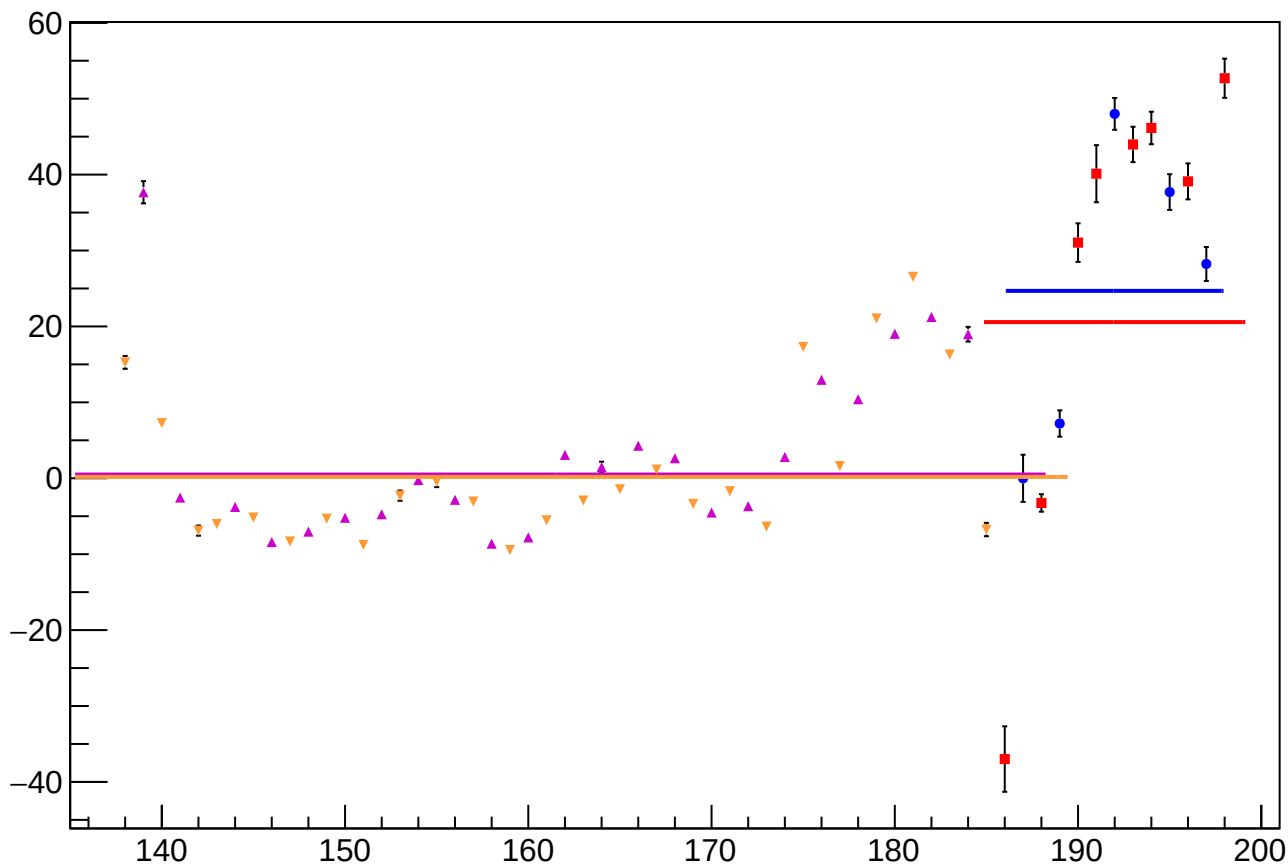
Left In: -24.775 ± 0.143 χ^2/NDF : 14807.4/22

+ sign -24.524 ± 0.138 χ^2/NDF : 18862.6/29

All: -24.156 ± 0.098 χ^2/NDF : 36303.6/60

- sign -23.781 ± 0.139 χ^2/NDF : 17426.5/30

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 24.685 $\pm$ 0.978 χ^2 /NDF: 321.8/4

Left Out: 0.177 $\pm$ 0.109 χ^2 /NDF:8295.6/24

Right Out: 20.572 $\pm$ 0.753 χ^2 /NDF: 1109.0/7

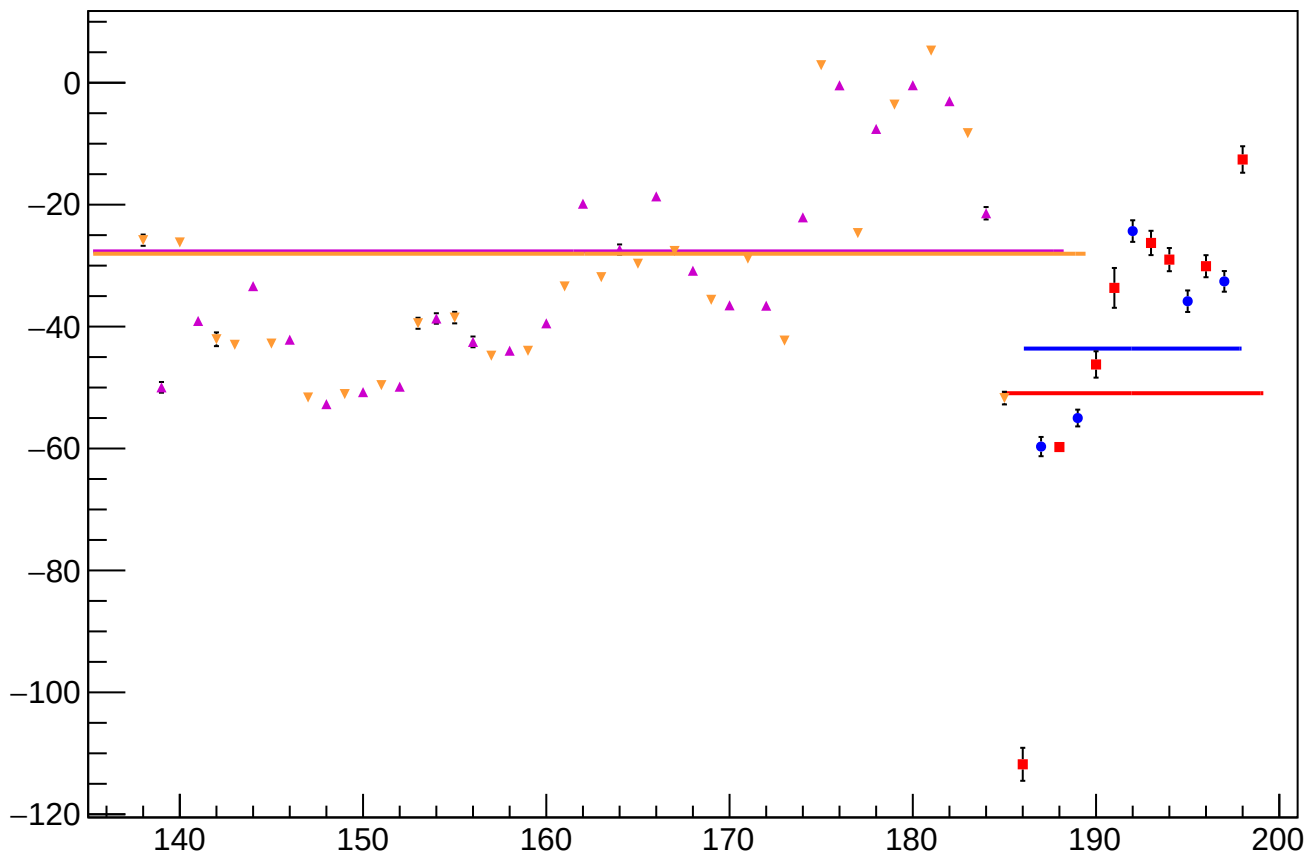
Left In: 0.493 $\pm$ 0.112 χ^2 /NDF:6555.4/22

+ sign 0.476 $\pm$ 0.108 χ^2 /NDF: 9237.8/29

All: 0.696 $\pm$ 0.077 χ^2 /NDF: 17606.3/60

- sign 0.929 $\pm$ 0.111 χ^2 /NDF: 8359.9/30

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -43.607 ± 0.722 $\chi^2/\text{NDF}: 352.2/4$

Left Out: -28.050 ± 0.140 $\chi^2/\text{NDF}: 17144.5/24$

Right Out: -50.930 ± 0.508 $\chi^2/\text{NDF}: 1454.6/7$

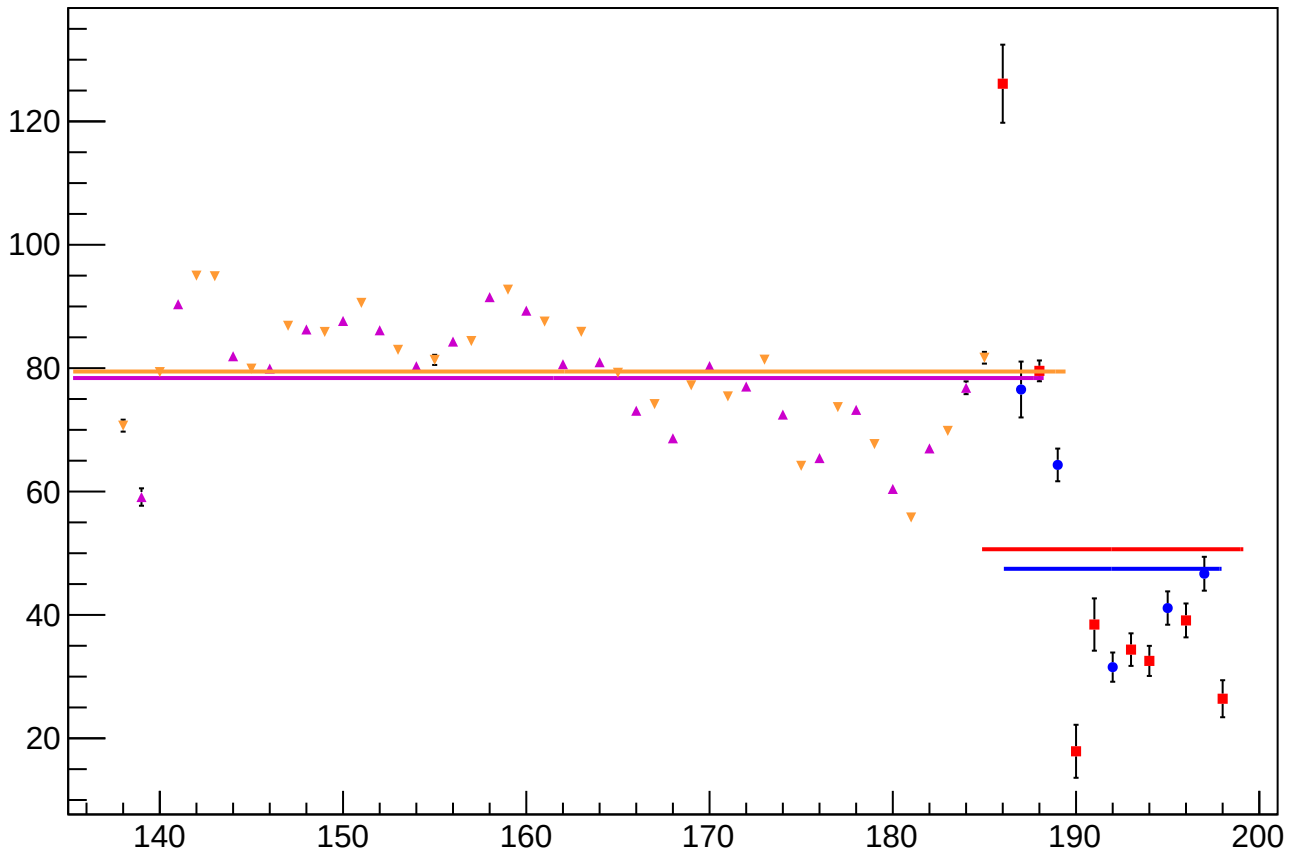
Left In: -27.666 ± 0.142 $\chi^2/\text{NDF}: 15003.2/22$

+ sign -28.612 ± 0.137 $\chi^2/\text{NDF}: 17943.8/29$

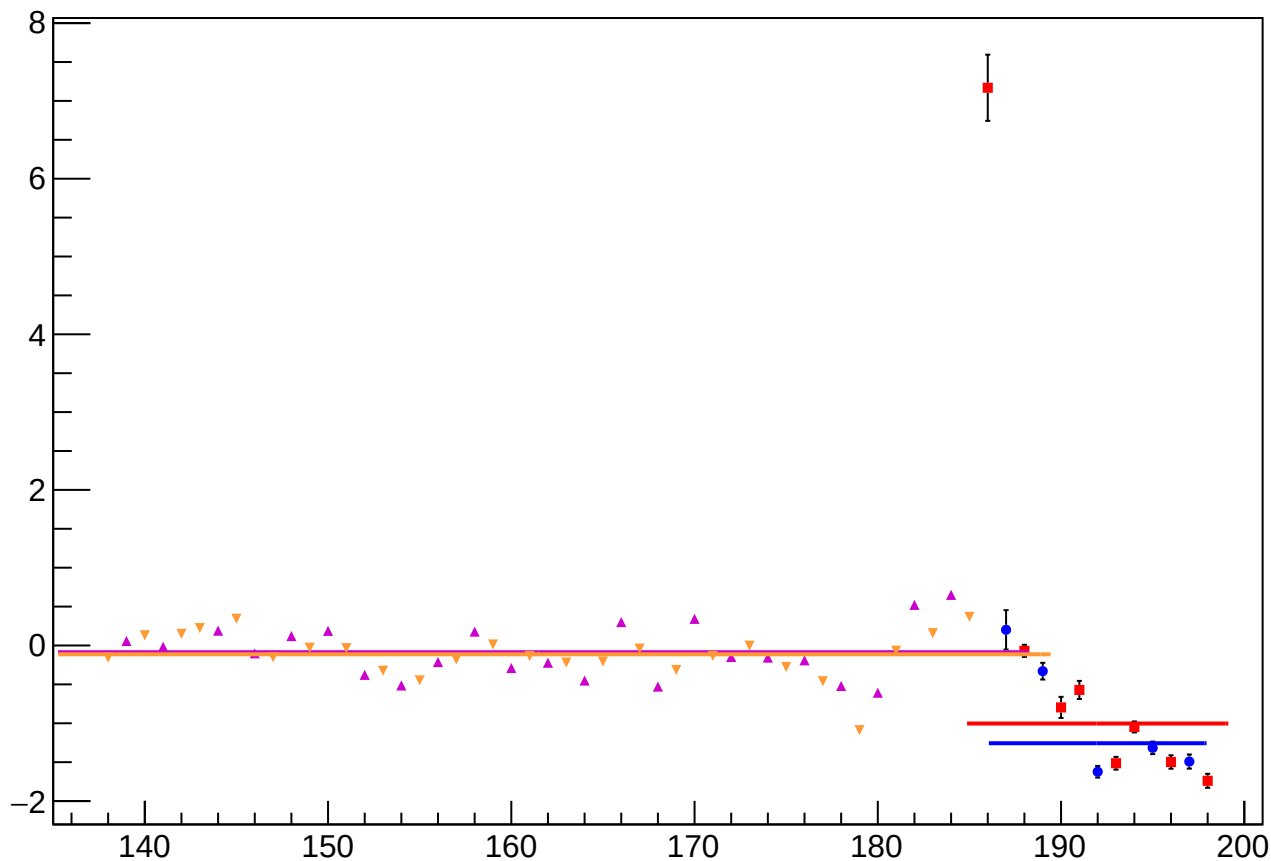
All: -28.988 ± 0.097 $\chi^2/\text{NDF}: 36360.7/60$

- sign -29.362 ± 0.137 $\chi^2/\text{NDF}: 18402.0/30$

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -1.256 ± 0.042 χ^2/NDF : 138.8/4

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -1.003 ± 0.033 χ^2/NDF : 668.5/7

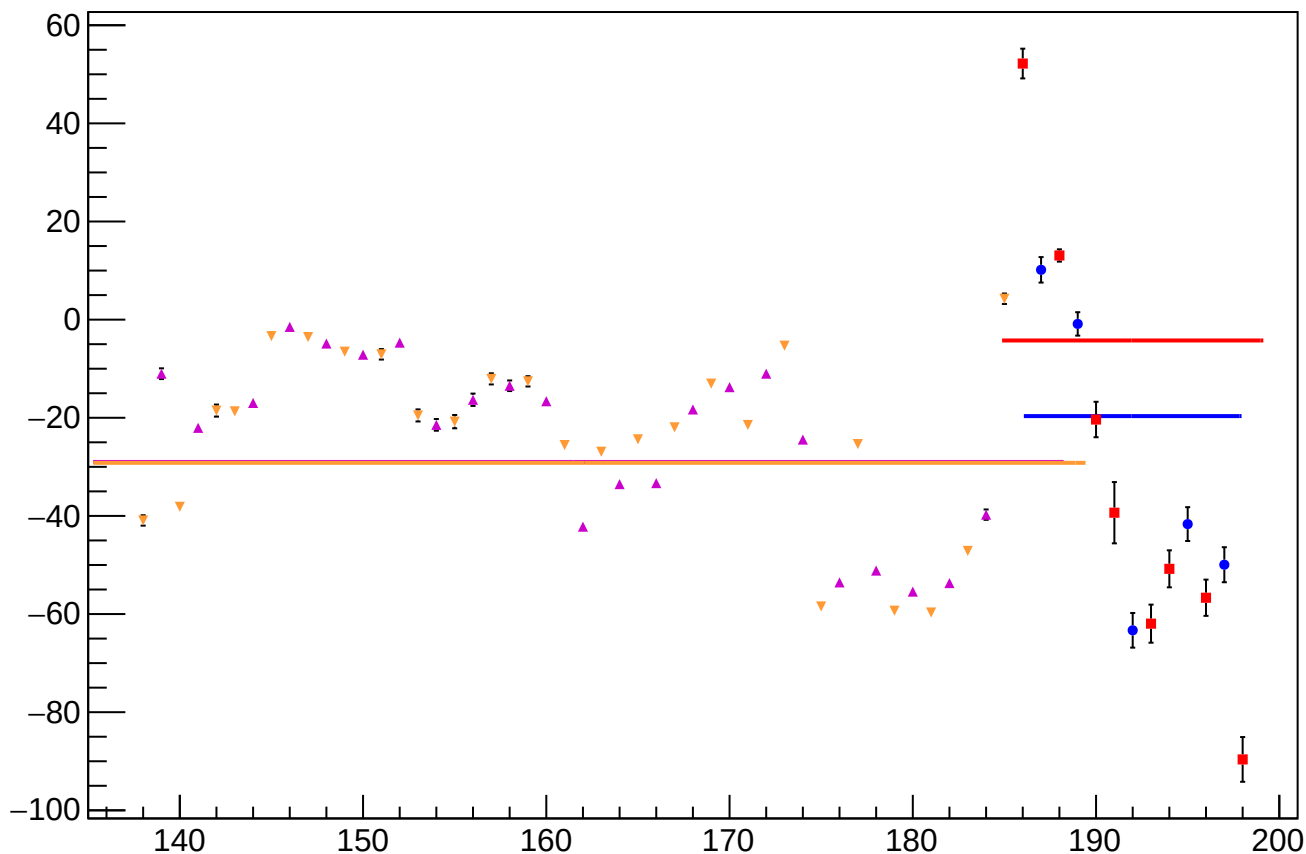
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.133 ± 0.006 χ^2/NDF : 3155.8/29

All: -0.123 ± 0.004 χ^2/NDF : 7701.5/60

- sign -0.113 ± 0.006 χ^2/NDF : 4539.2/30

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -19.660 $\pm$ 1.328 χ^2 /NDF: 459.4/4

Left Out: -29.180 $\pm$ 0.157 χ^2 /NDF:16912.2/24

Right Out: -4.245 $\pm$ 0.950 χ^2 /NDF: 1515.6/7

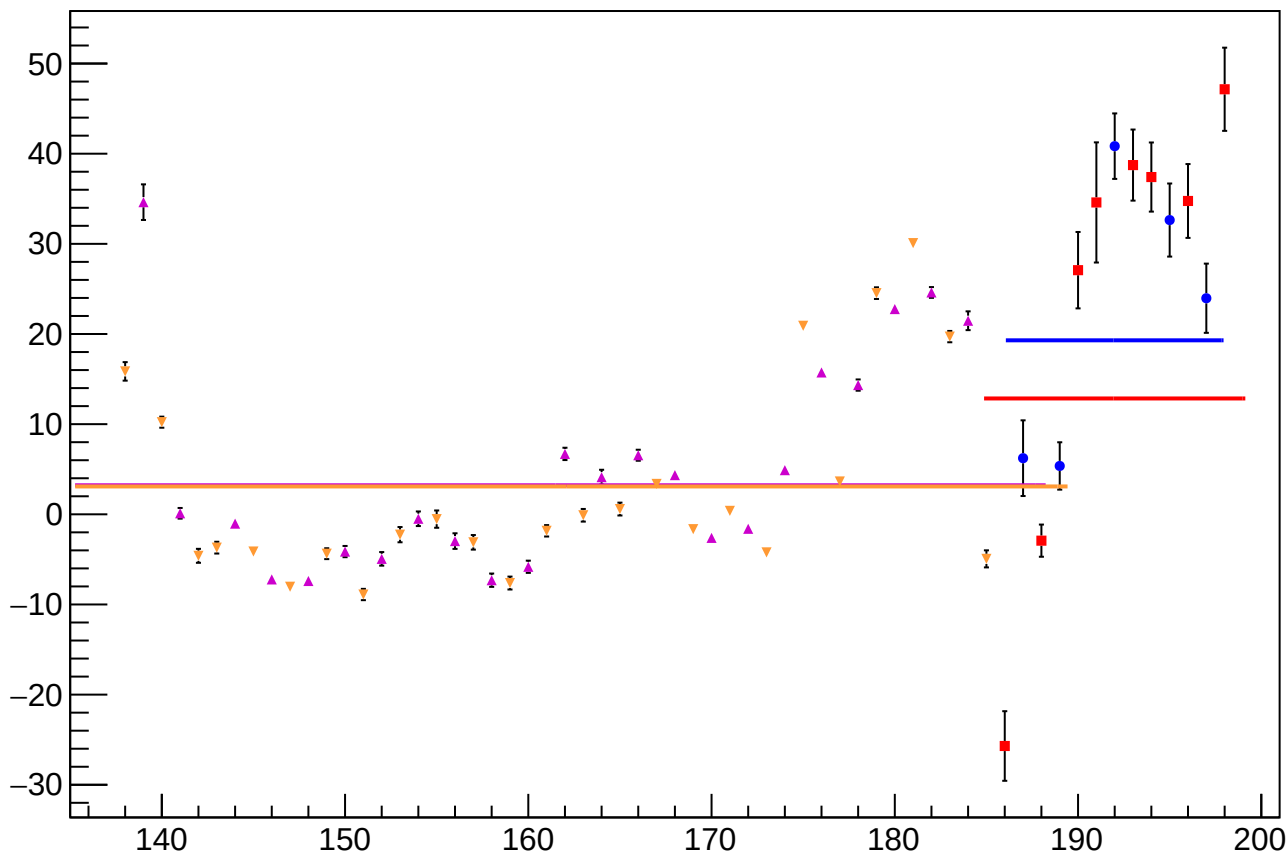
Left In: -29.003 $\pm$ 0.160 χ^2 /NDF:13416.8/22

+ sign -29.049 $\pm$ 0.156 χ^2 /NDF: 17422.3/29

All: -28.690 $\pm$ 0.111 χ^2 /NDF: 33025.4/60

- sign -28.322 $\pm$ 0.158 χ^2 /NDF: 15592.4/30

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 19.299 $\pm$ 1.569 χ^2 /NDF: 85.3/4

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF:8084.1/24

Right Out: 12.850 $\pm$ 1.197 χ^2 /NDF: 367.7/7

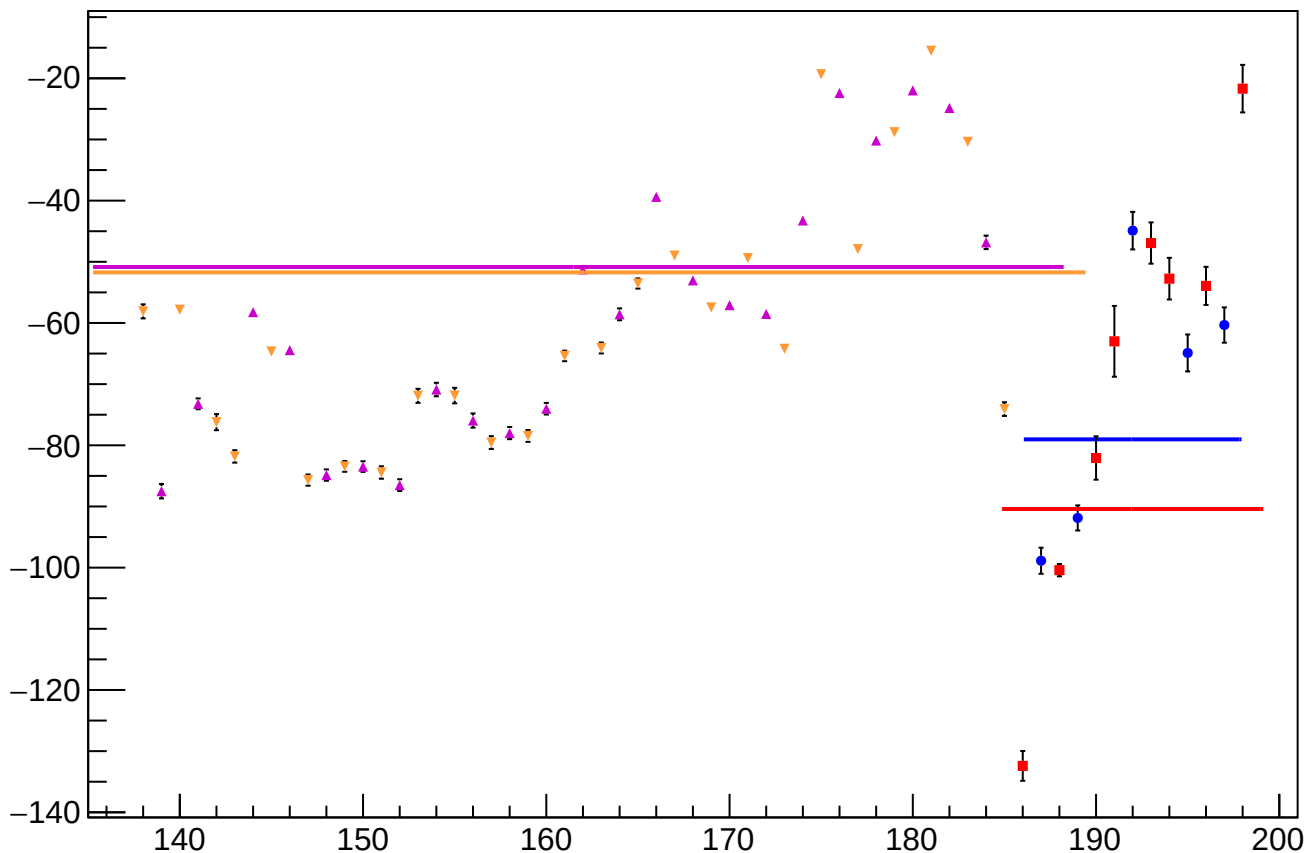
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF:6237.6/22

+ sign 3.192 $\pm$ 0.124 χ^2 /NDF: 8275.5/29

All: 3.259 $\pm$ 0.088 χ^2 /NDF: 14945.4/60

- sign 3.328 $\pm$ 0.126 χ^2 /NDF: 6669.4/30

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -79.027 ± 1.123 $\chi^2/\text{NDF}: 312.9/4$

Left Out: -51.729 ± 0.158 $\chi^2/\text{NDF}: 19538.0/24$

Right Out: -90.412 ± 0.790 $\chi^2/\text{NDF}: 1161.9/7$

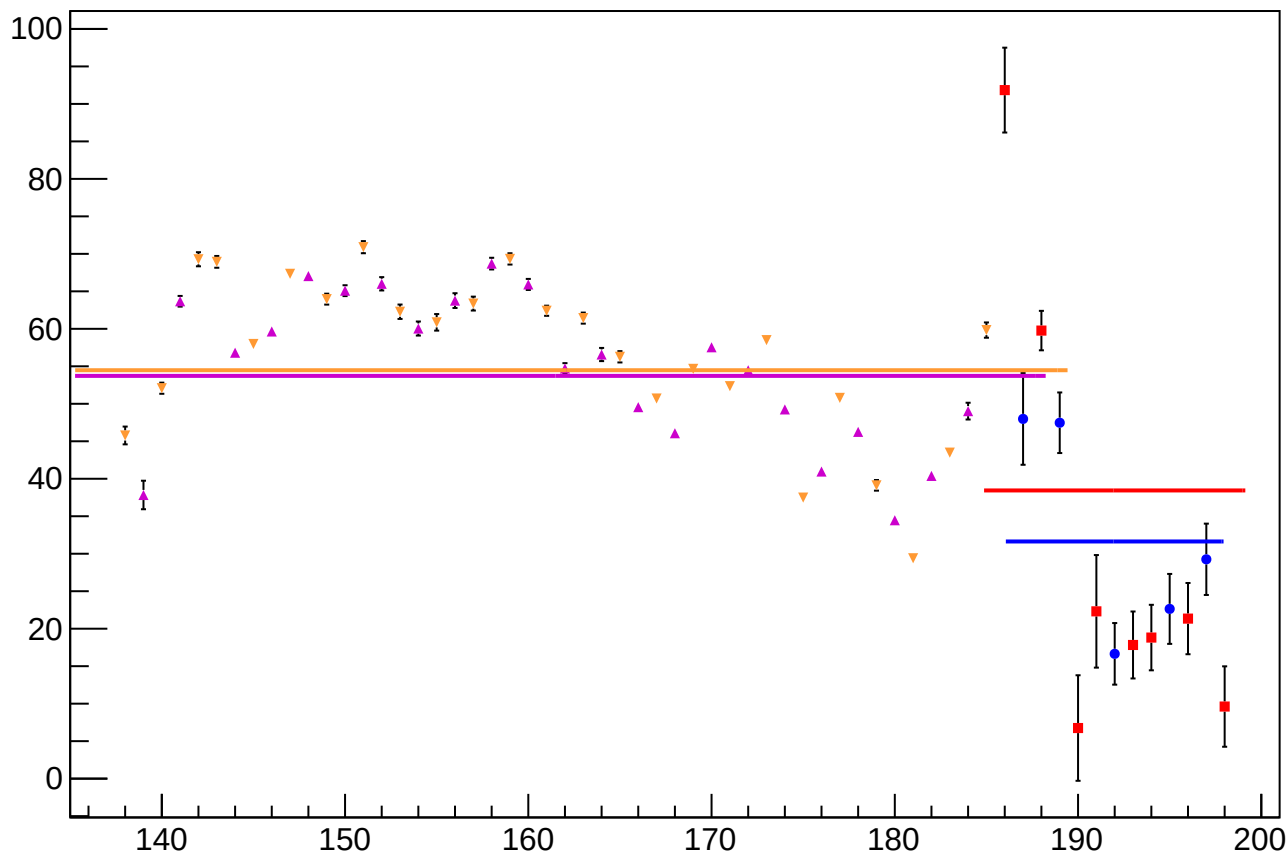
Left In: -50.844 ± 0.160 $\chi^2/\text{NDF}: 17272.0/22$

+ sign -52.258 ± 0.156 $\chi^2/\text{NDF}: 20429.9/29$

All: -52.331 ± 0.111 $\chi^2/\text{NDF}: 41271.6/60$

- sign -52.404 ± 0.157 $\chi^2/\text{NDF}: 20841.3/30$

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 31.635 ± 2.053 $\chi^2/\text{NDF}: 39.8/4$

Left Out: 54.476 ± 0.140 $\chi^2/\text{NDF}: 6266.9/24$

Right Out: 38.441 ± 1.591 $\chi^2/\text{NDF}: 262.9/7$

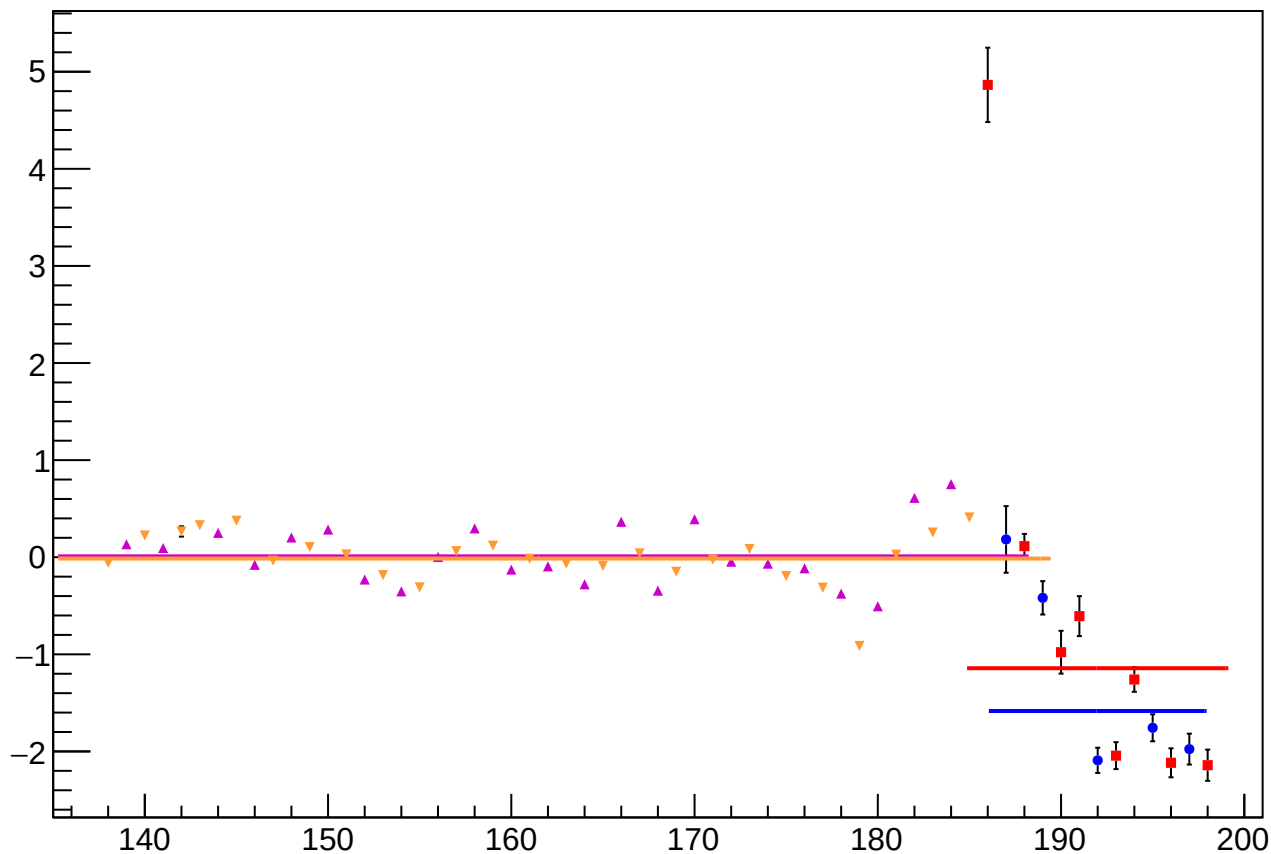
Left In: 53.724 ± 0.143 $\chi^2/\text{NDF}: 4585.7/22$

+ sign 54.370 ± 0.140 $\chi^2/\text{NDF}: 6430.0/29$

All: 53.992 ± 0.100 $\chi^2/\text{NDF}: 11384.9/60$

- sign 53.601 ± 0.143 $\chi^2/\text{NDF}: 4940.1/30$

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -1.584 ± 0.072 χ^2/NDF : 95.5/4

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -1.143 ± 0.057 χ^2/NDF : 477.5/7

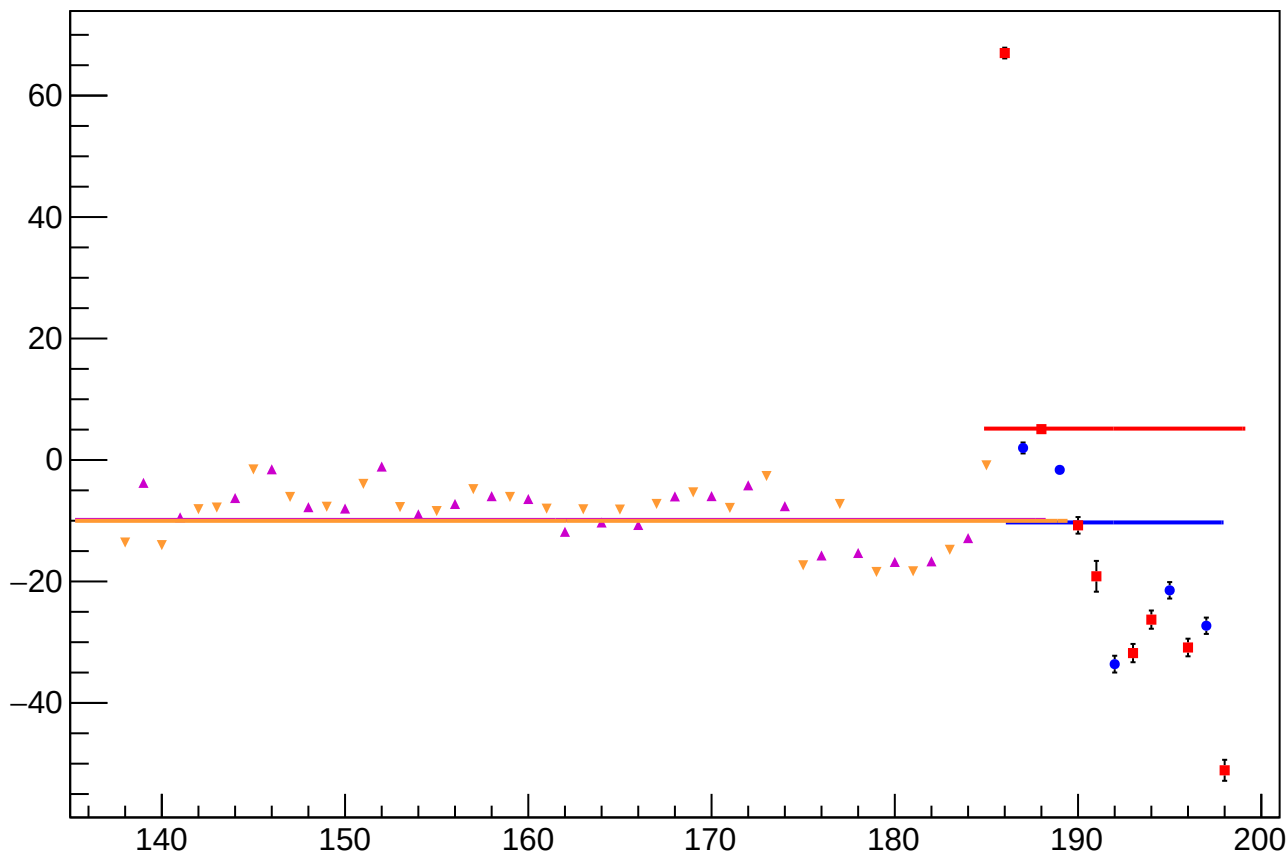
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.026 ± 0.006 χ^2/NDF : 2221.5/29

All: -0.016 ± 0.005 χ^2/NDF : 5332.8/60

- sign -0.006 ± 0.007 χ^2/NDF : 3106.6/30

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -10.281 ± 0.482 χ^2/NDF : 806.8/4

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: 5.168 ± 0.339 χ^2/NDF : 7829.3/7

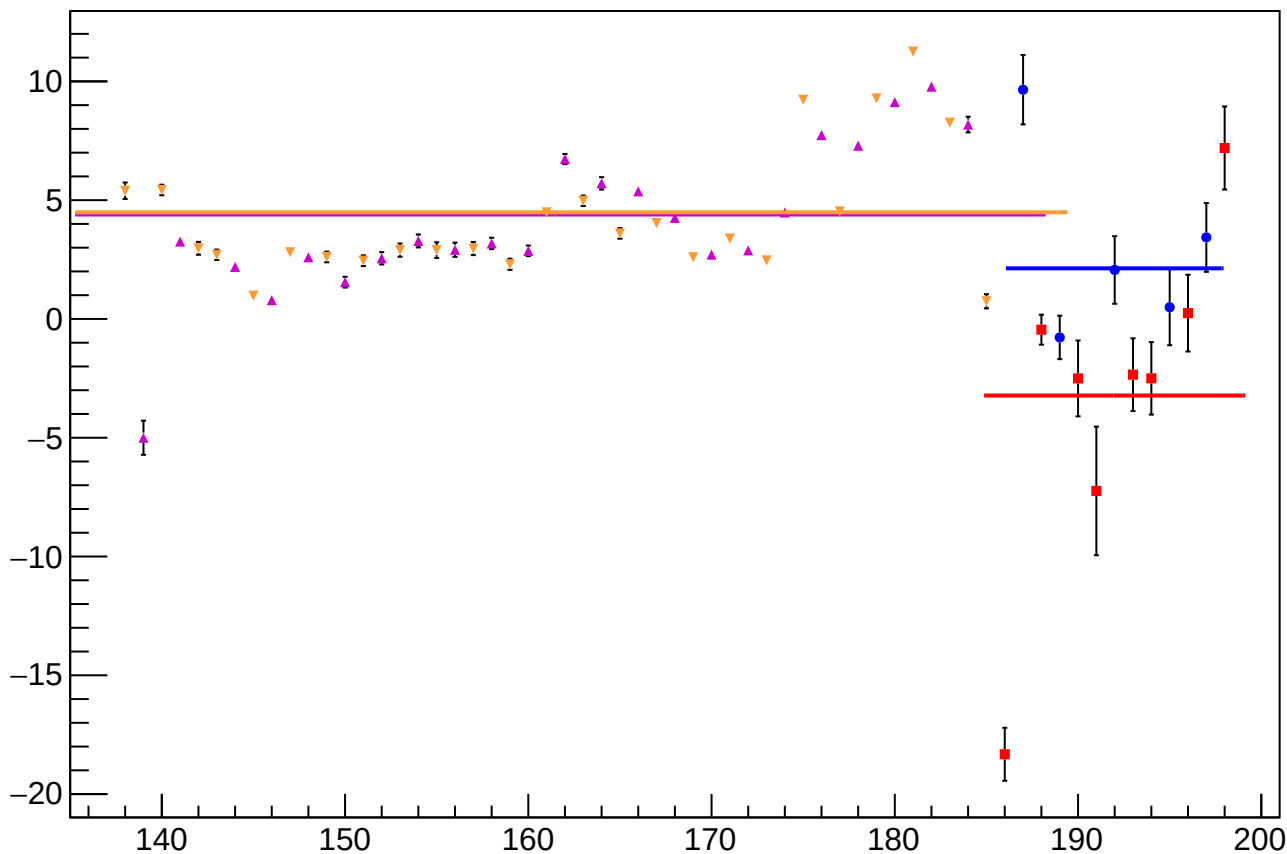
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -10.020 ± 0.050 χ^2/NDF : 13359.8/29

All: -9.776 ± 0.036 χ^2/NDF : 32503.8/60

- sign -9.528 ± 0.051 χ^2/NDF : 19096.7/30

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 2.130 ± 0.575 $\chi^2/\text{NDF}: 38.5/4$

Left Out: 4.489 ± 0.041 $\chi^2/\text{NDF}: 4832.3/24$

Right Out: -3.223 ± 0.430 $\chi^2/\text{NDF}: 245.5/7$

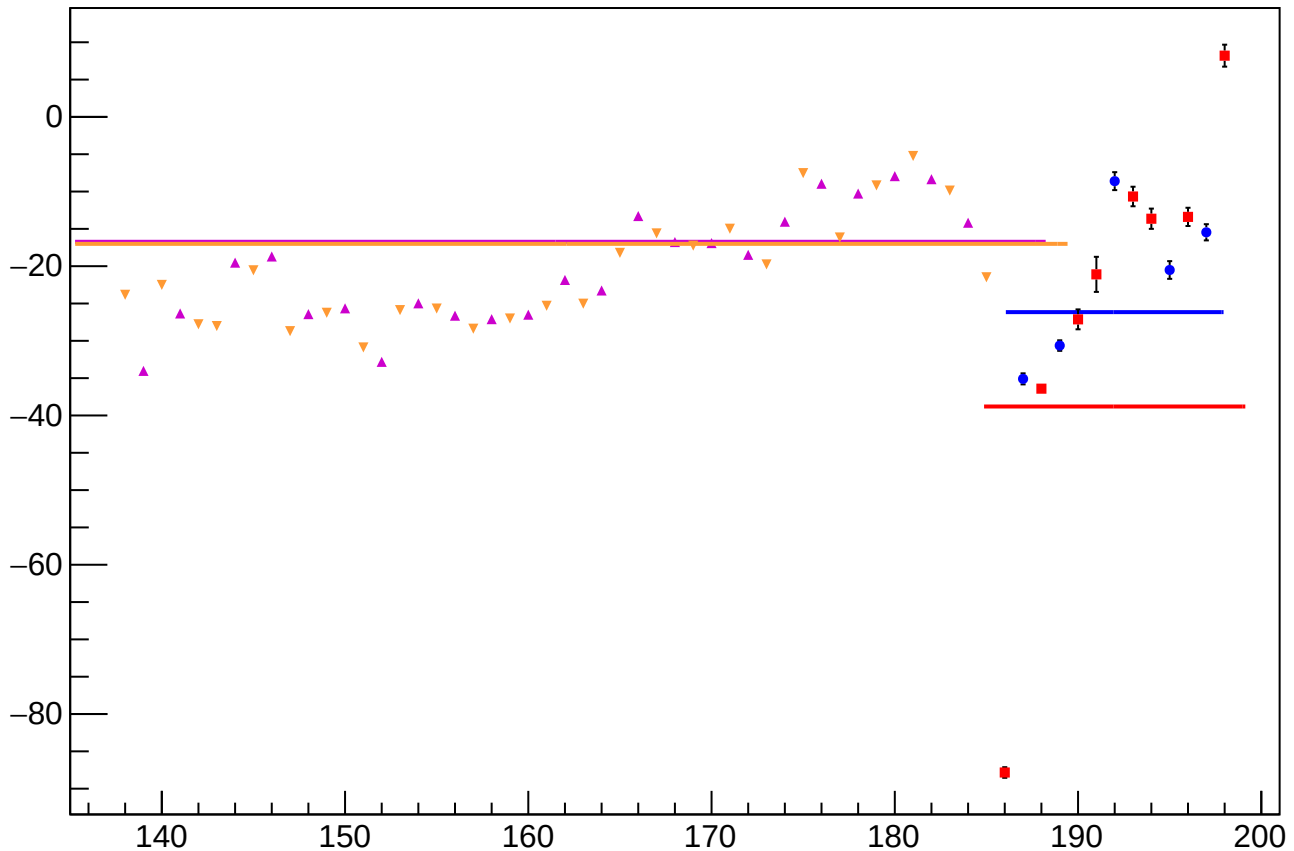
Left In: 4.396 ± 0.041 $\chi^2/\text{NDF}: 4230.4/22$

+ sign 4.477 ± 0.041 $\chi^2/\text{NDF}: 4887.6/29$

All: 4.403 ± 0.029 $\chi^2/\text{NDF}: 9681.5/60$

- sign 4.327 ± 0.041 $\chi^2/\text{NDF}: 4787.2/30$

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -26.155 ± 0.406 χ^2/NDF : 518.7/4

Left Out: -17.008 ± 0.051 χ^2/NDF : 22094.7/24

Right Out: -38.799 ± 0.280 χ^2/NDF : 7191.4/7

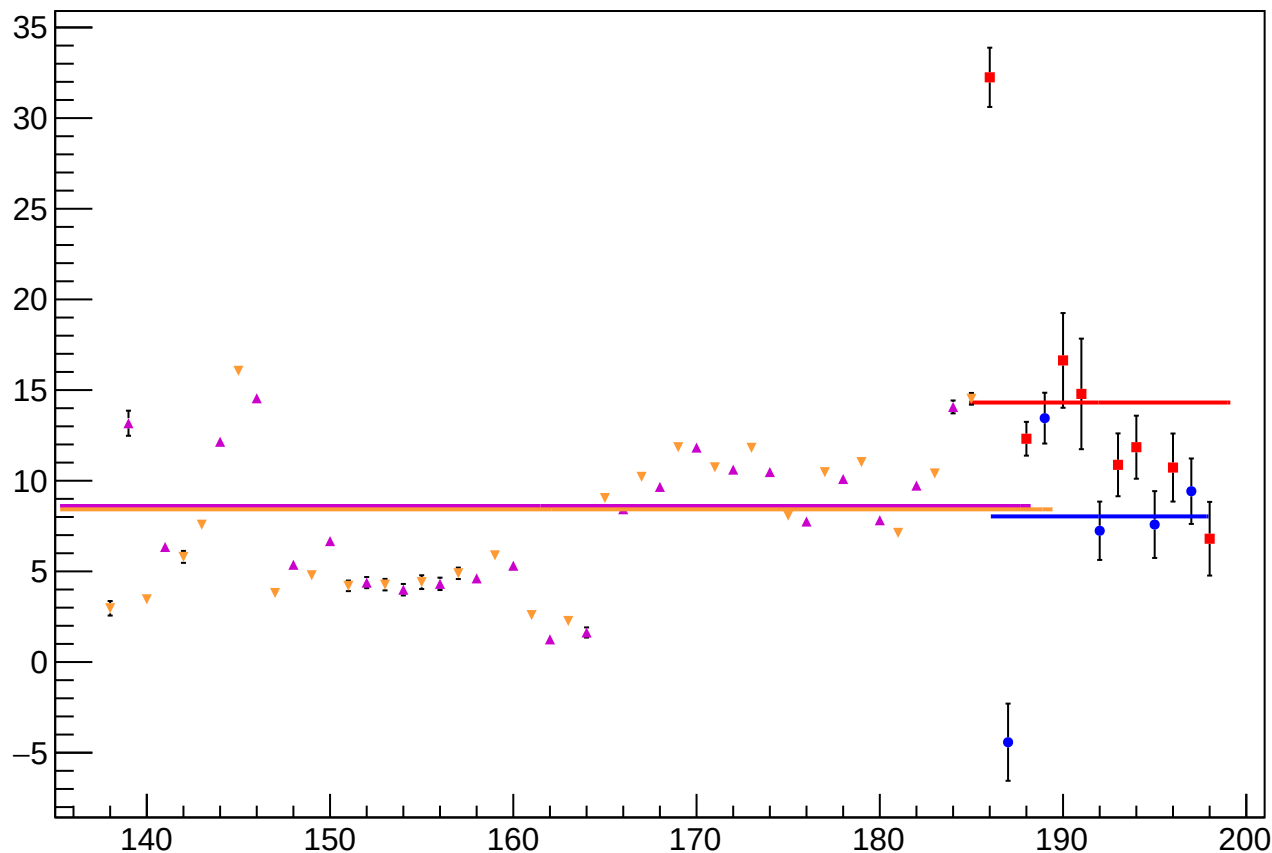
Left In: -16.732 ± 0.052 χ^2/NDF : 18777.2/22

+ sign -17.151 ± 0.051 χ^2/NDF : 23113.7/29

All: -17.302 ± 0.036 χ^2/NDF : 55090.0/60

- sign -17.453 ± 0.051 χ^2/NDF : 31958.6/30

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 8.032 ± 0.763 $\chi^2/\text{NDF}: 50.1/4$

Left Out: 8.422 ± 0.046 $\chi^2/\text{NDF}: 6470.1/24$

Right Out: 14.313 ± 0.580 $\chi^2/\text{NDF}: 149.0/7$

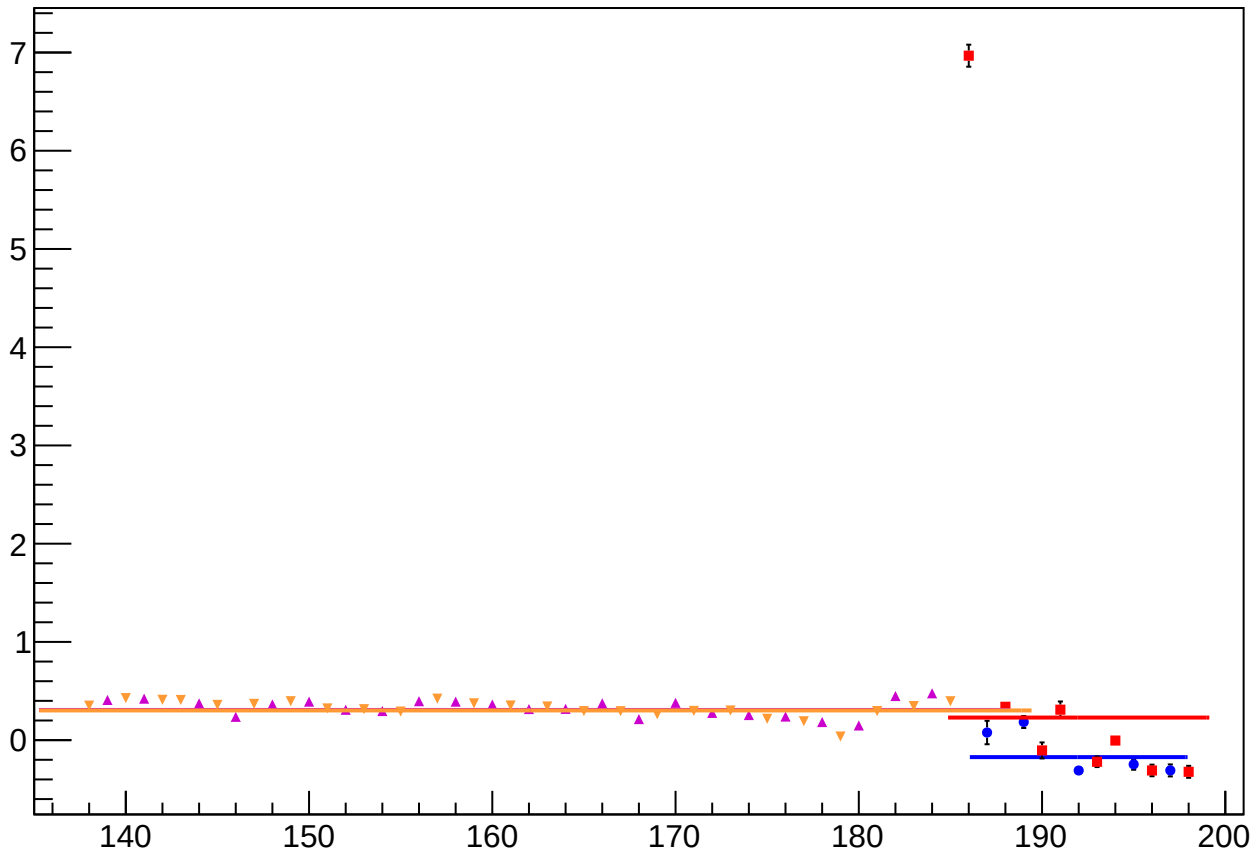
Left In: 8.606 ± 0.046 $\chi^2/\text{NDF}: 5504.2/22$

+ sign 8.421 ± 0.045 $\chi^2/\text{NDF}: 6520.5/29$

All: 8.530 ± 0.032 $\chi^2/\text{NDF}: 12281.6/60$

- sign 8.642 ± 0.046 $\chi^2/\text{NDF}: 5749.4/30$

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.027 χ^2/NDF : 52.5/4

Left Out: 0.302 ± 0.002 χ^2/NDF : 1590.9/24

Right Out: 0.230 ± 0.021 χ^2/NDF : 3887.6/7

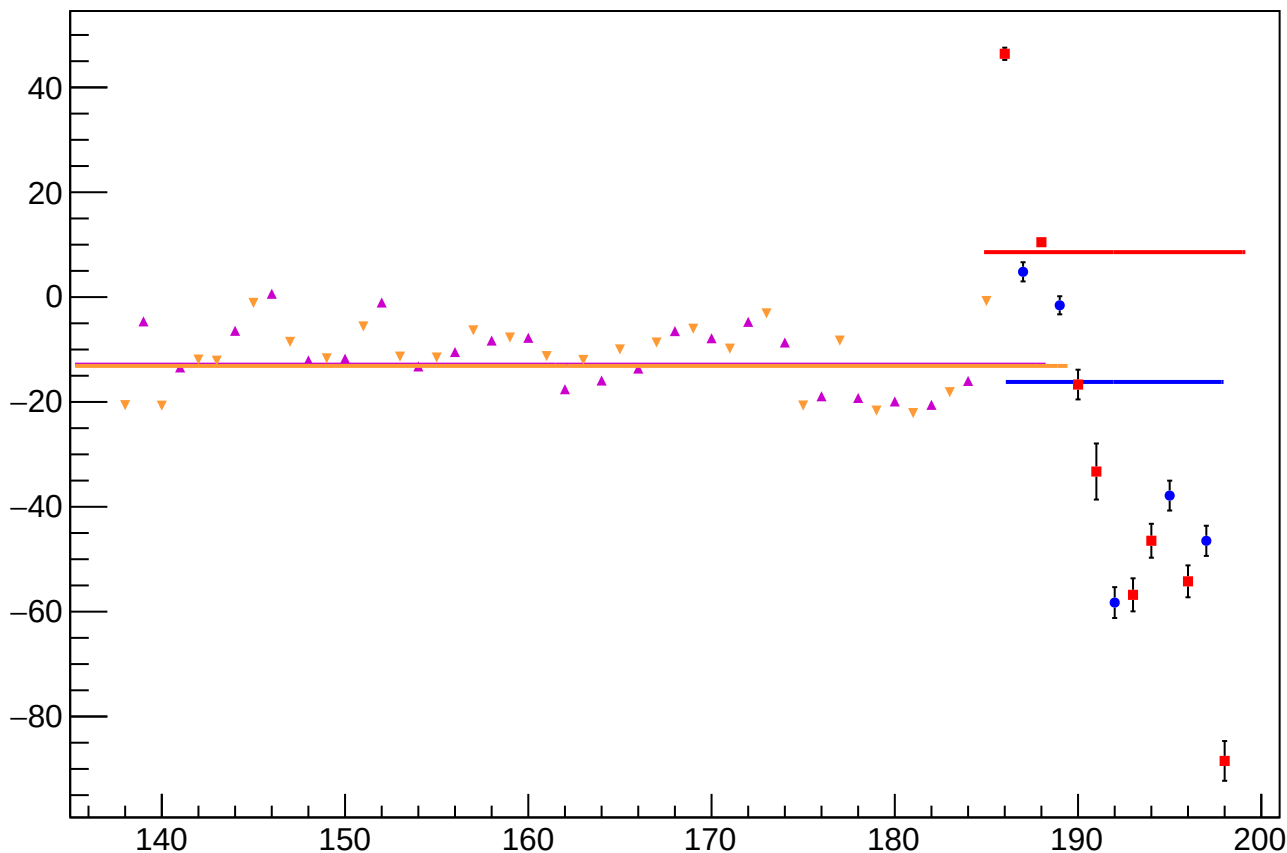
Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.300 ± 0.002 χ^2/NDF : 1940.5/29

All: 0.303 ± 0.001 χ^2/NDF : 7545.6/60

- sign 0.307 ± 0.002 χ^2/NDF : 5600.0/30

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -16.184 ± 1.003 $\chi^2/\text{NDF}: 576.9/4$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: 8.576 ± 0.643 $\chi^2/\text{NDF}: 2997.5/7$

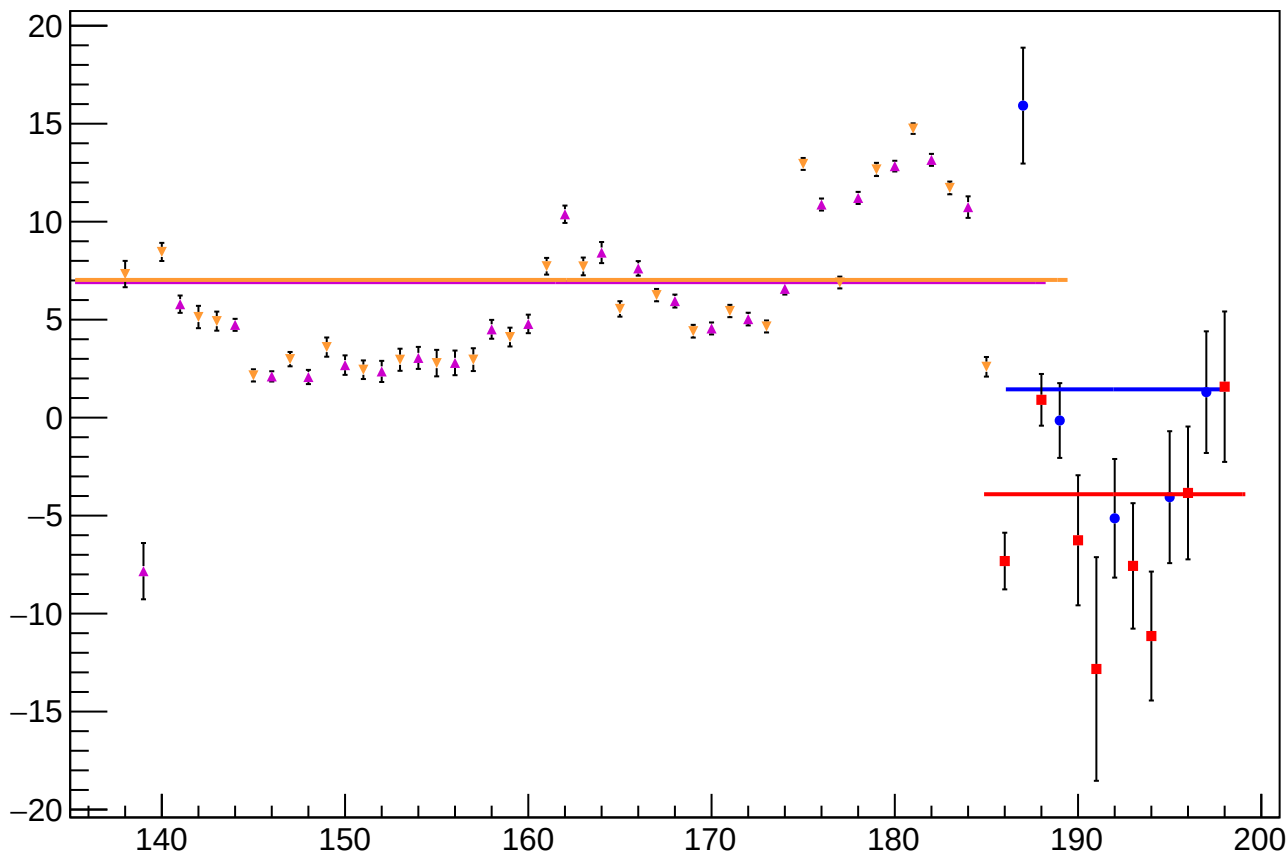
Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.151 ± 0.093 $\chi^2/\text{NDF}: 6563.8/29$

All: -12.792 ± 0.066 $\chi^2/\text{NDF}: 15457.9/60$

- sign -12.426 ± 0.094 $\chi^2/\text{NDF}: 8864.1/30$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 1.444+/-1.204 χ^2/NDF : 32.1/4

Left Out: 7.028+/-0.077 χ^2/NDF : 2665.3/24

Right Out: -3.909+/-0.811 χ^2/NDF : 30.0/7

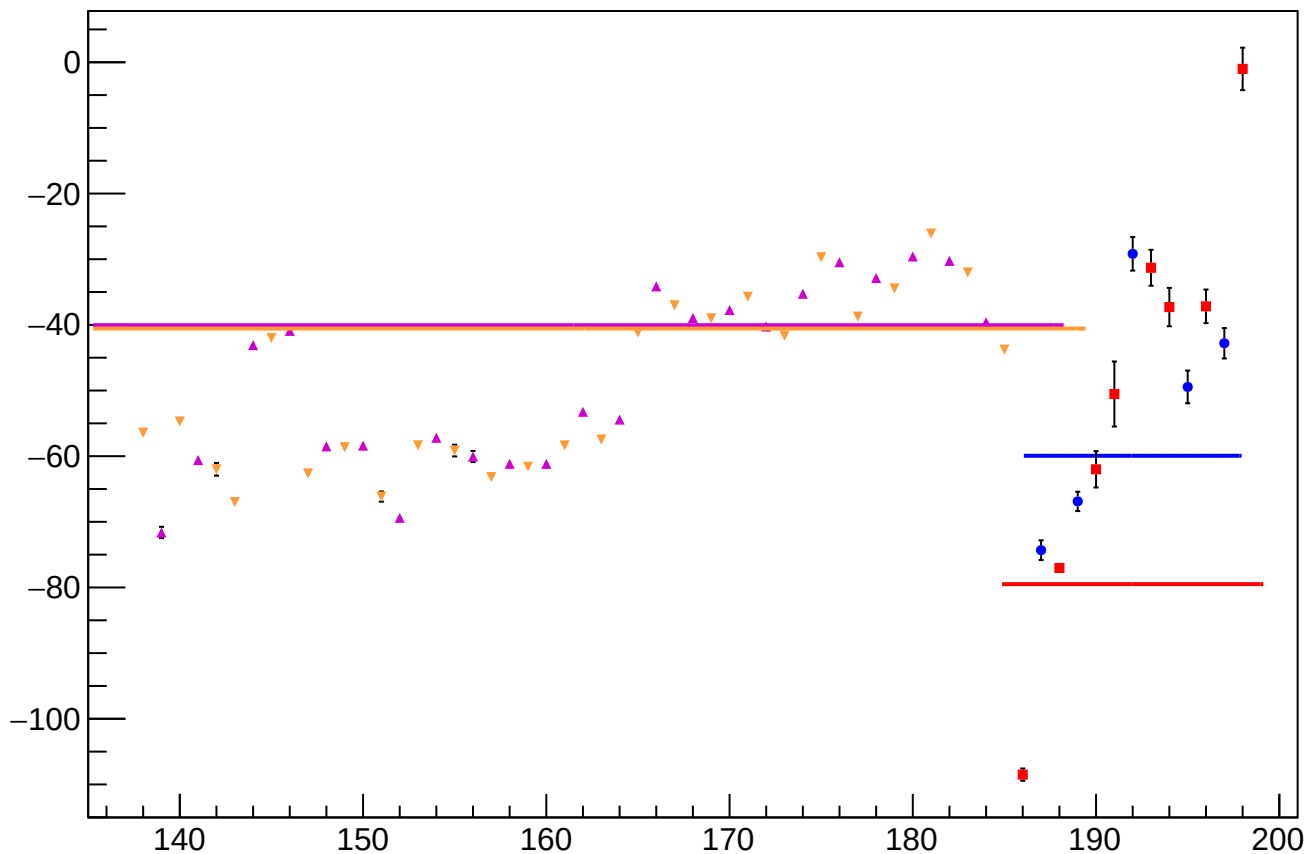
Left In: 6.914+/-0.078 χ^2/NDF : 2428.2/22

+ sign 7.005+/-0.077 χ^2/NDF : 2718.8/29

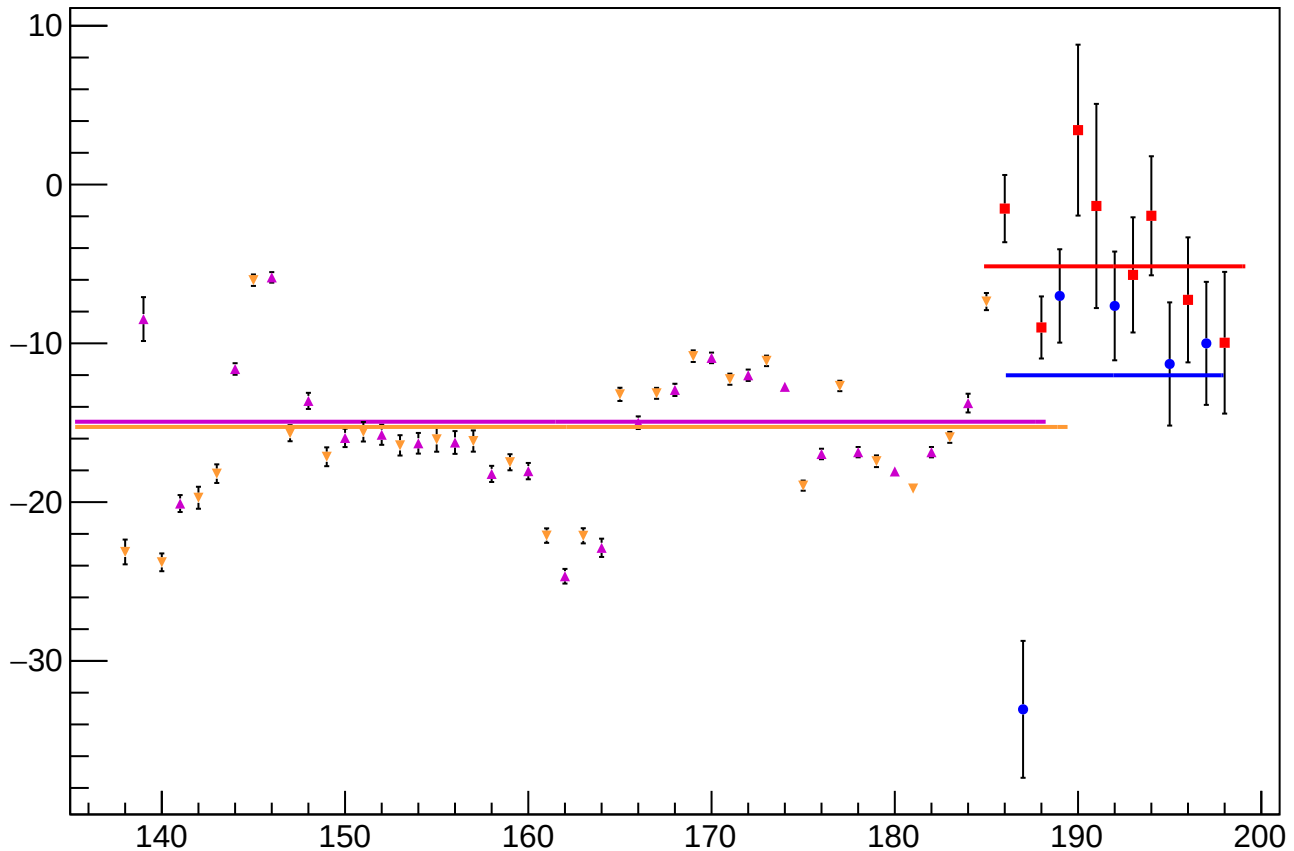
All: 6.911+/-0.055 χ^2/NDF : 5356.4/60

- sign 6.815+/-0.077 χ^2/NDF : 2634.6/30

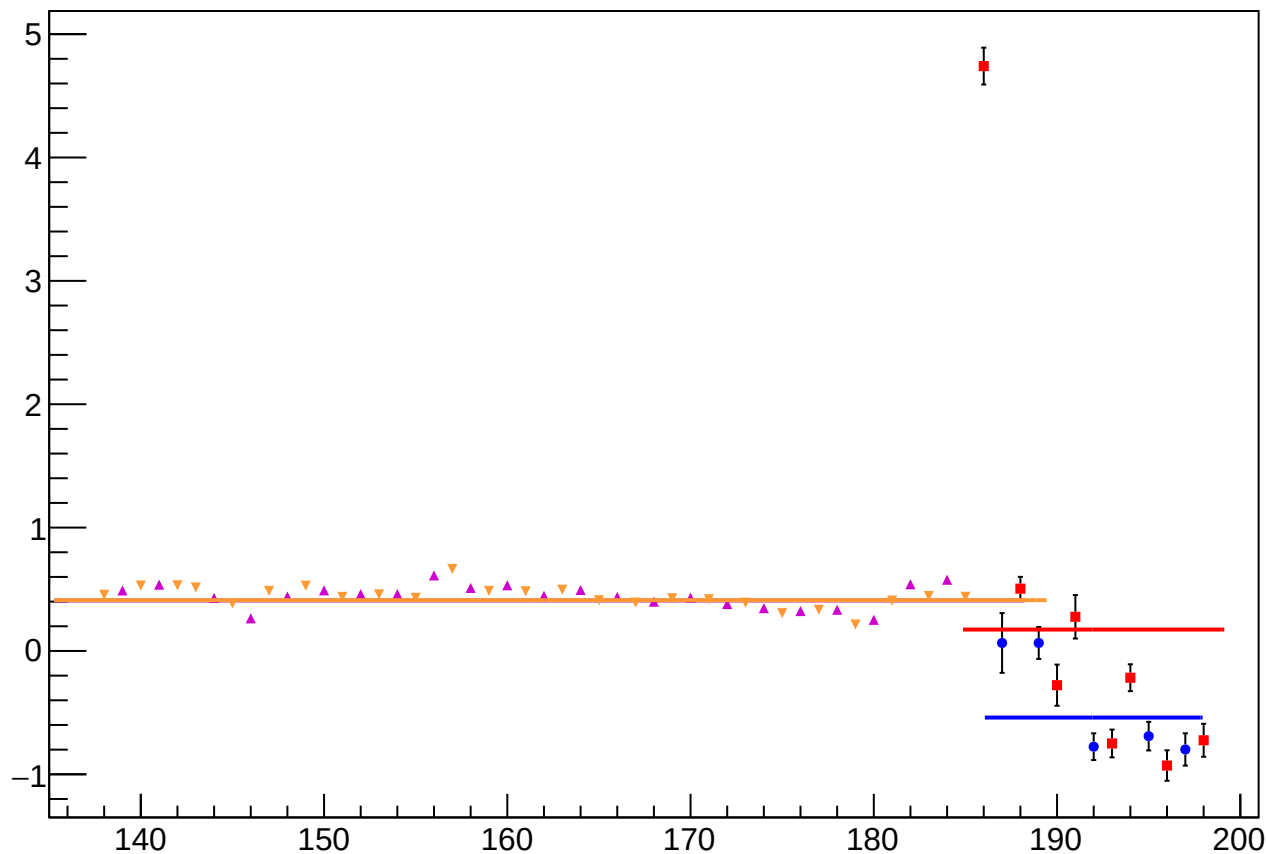
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: -0.540 ± 0.058 χ^2/NDF : 38.4/4

Left Out: 0.411 ± 0.004 χ^2/NDF : 428.7/24

Right Out: 0.173 ± 0.044 χ^2/NDF : 1159.4/7

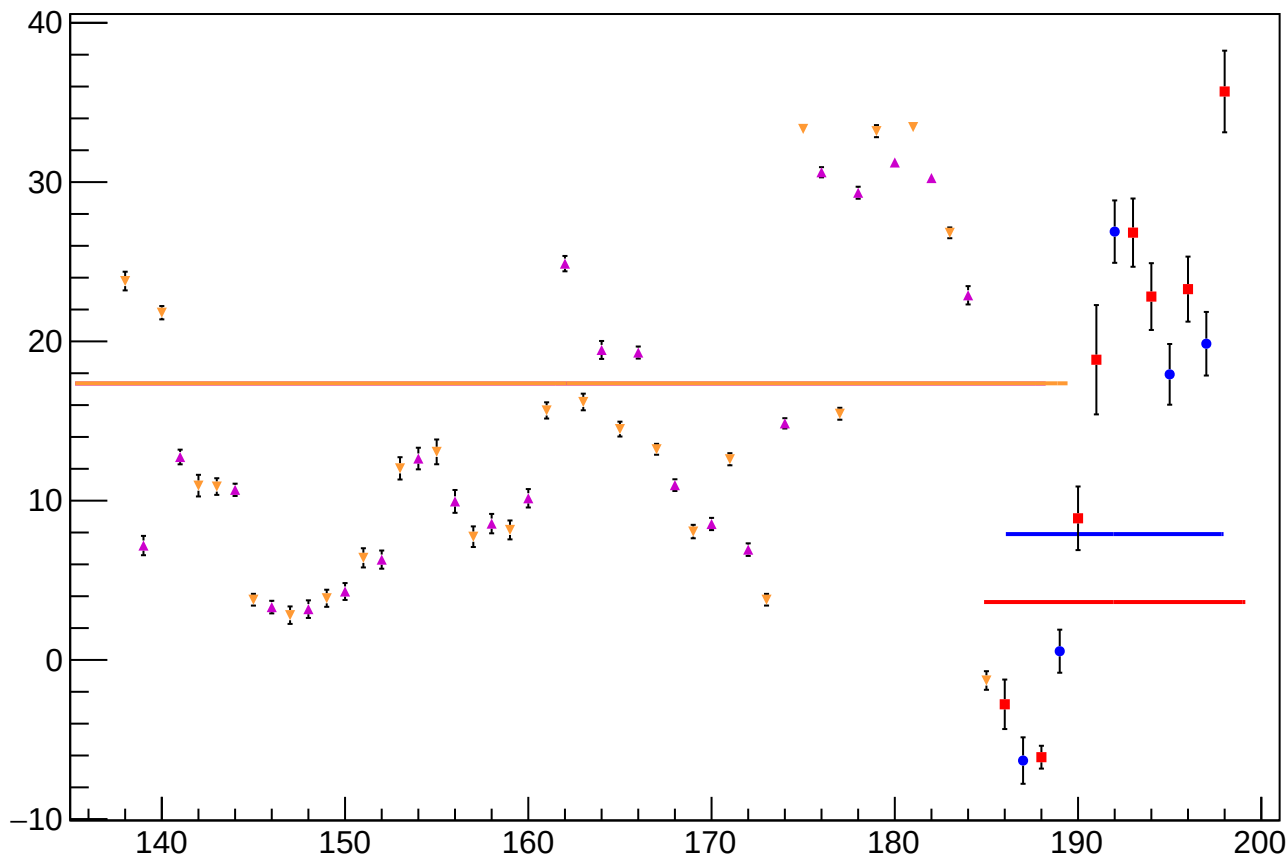
Left In: 0.409 ± 0.004 χ^2/NDF : 557.8/22

+ sign 0.407 ± 0.004 χ^2/NDF : 732.4/29

All: 0.407 ± 0.003 χ^2/NDF : 2477.6/60

- sign 0.408 ± 0.004 χ^2/NDF : 1745.2/30

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 7.901 $\pm$ 0.745 χ^2 /NDF: 282.1/4

Left Out: 17.367 $\pm$ 0.087 χ^2 /NDF:16337.6/24

Right Out: 3.635 $\pm$ 0.532 χ^2 /NDF: 678.2/7

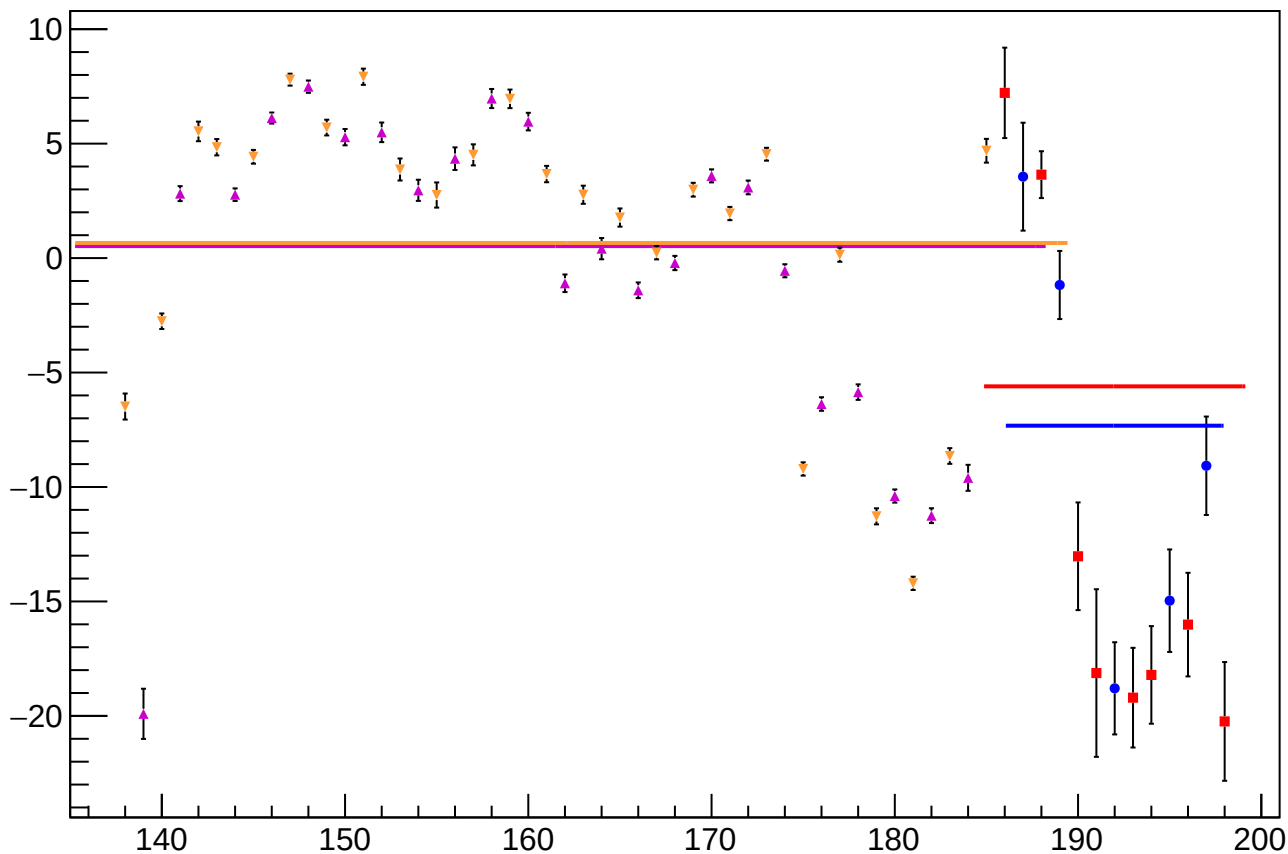
Left In: 17.355 $\pm$ 0.089 χ^2 /NDF:12745.1/22

+ sign 17.239 $\pm$ 0.087 χ^2 /NDF: 16779.2/29

All: 17.113 $\pm$ 0.062 χ^2 /NDF: 30854.0/60

- sign 16.982 $\pm$ 0.088 χ^2 /NDF: 14070.4/30

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -7.322 ± 0.879 $\chi^2/\text{NDF}: 83.2/4$

Left Out: 0.661 ± 0.069 $\chi^2/\text{NDF}: 8553.9/24$

Right Out: -5.603 ± 0.668 $\chi^2/\text{NDF}: 272.5/7$

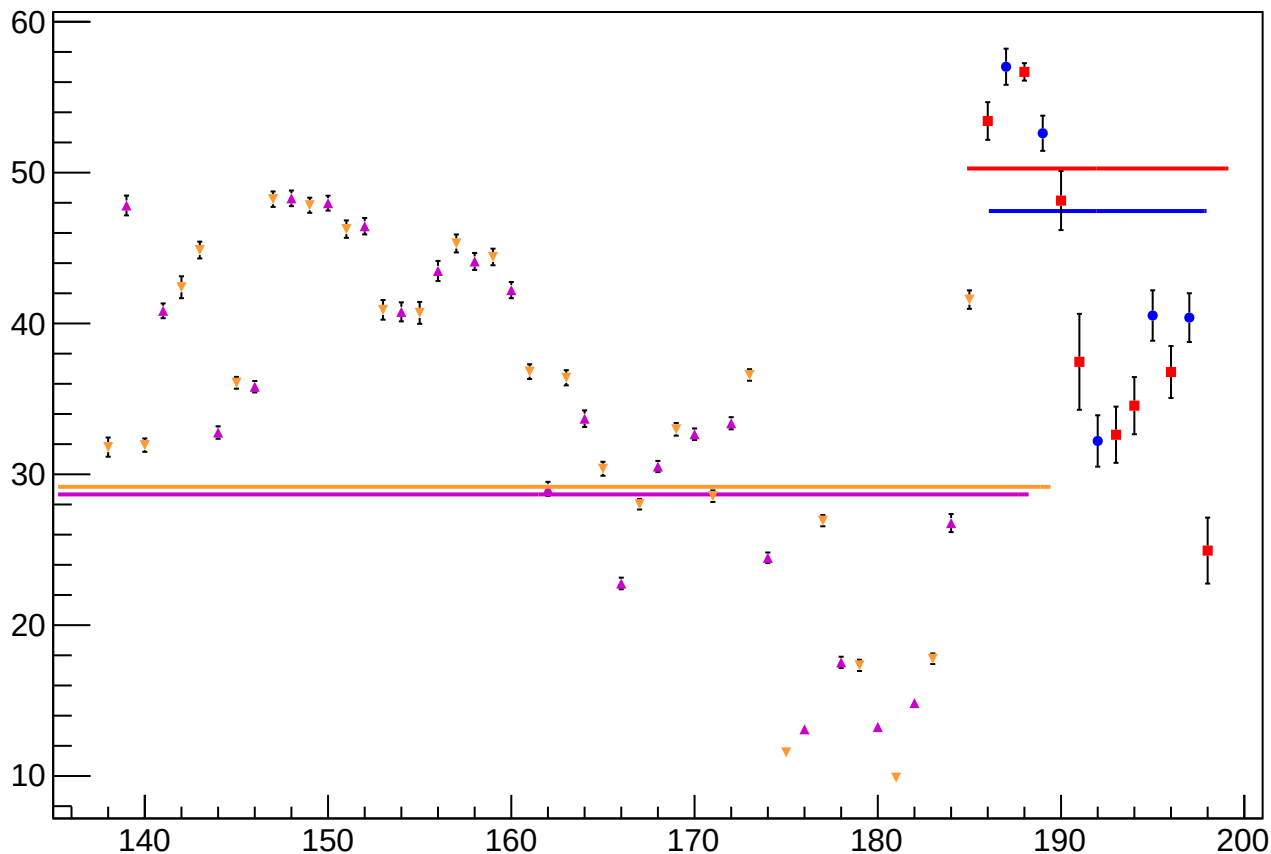
Left In: 0.524 ± 0.071 $\chi^2/\text{NDF}: 6729.7/22$

+ sign 0.611 ± 0.069 $\chi^2/\text{NDF}: 8719.0/29$

All: 0.535 ± 0.049 $\chi^2/\text{NDF}: 15806.9/60$

- sign 0.456 ± 0.070 $\chi^2/\text{NDF}: 7085.4/30$

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 47.453+/-0.630 χ^2/NDF : 199.6/4

Left Out: 29.171+/-0.088 χ^2/NDF : 18974.7/24

Right Out: 50.274+/-0.443 χ^2/NDF : 500.8/7

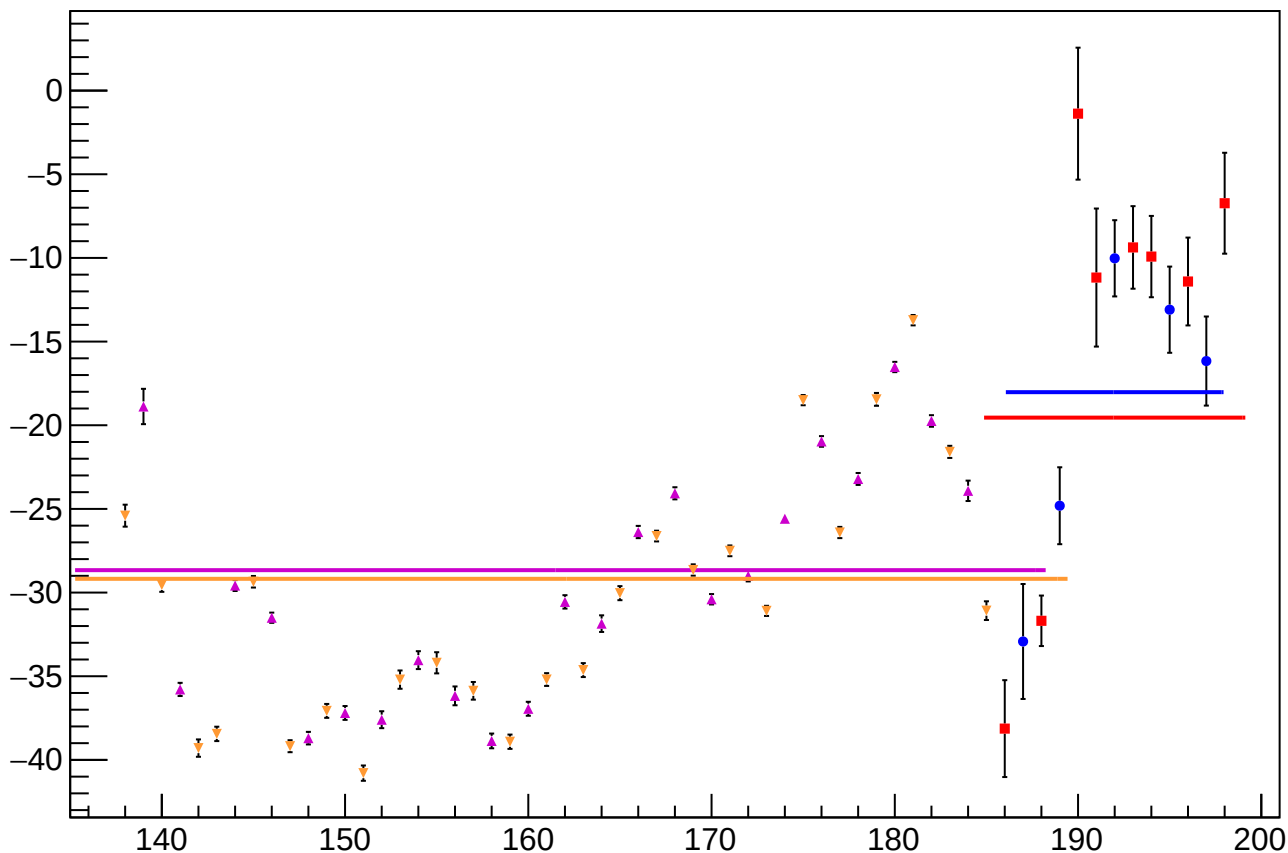
Left In: 28.667+/-0.089 χ^2/NDF : 16847.2/22

+ sign 29.519+/-0.087 χ^2/NDF : 19999.4/29

All: 29.514+/-0.062 χ^2/NDF : 39637.3/60

- sign 29.509+/-0.087 χ^2/NDF : 19637.9/30

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -18.023 ± 1.148 $\chi^2/\text{NDF}: 44.0/4$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -19.544 ± 0.887 $\chi^2/\text{NDF}: 191.6/7$

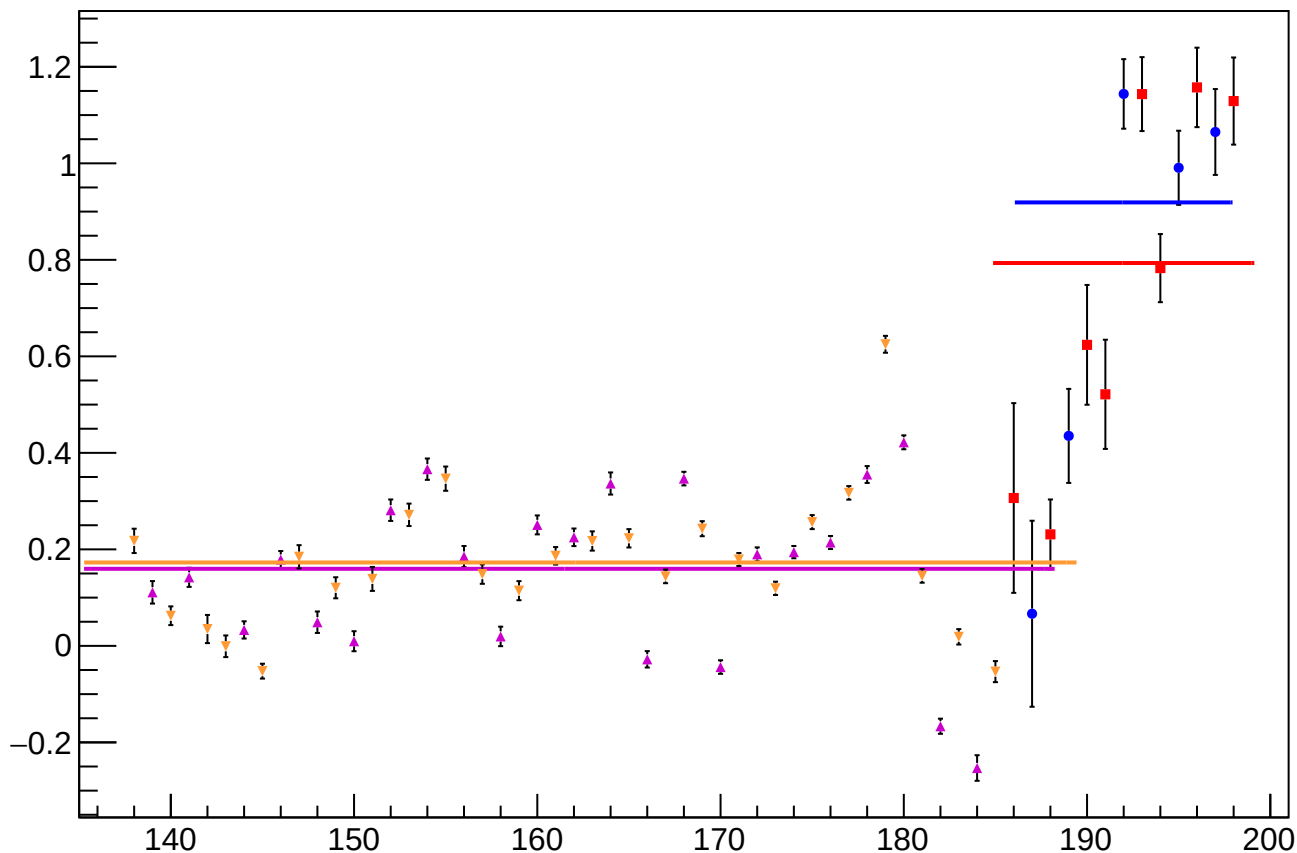
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -29.126 ± 0.078 $\chi^2/\text{NDF}: 9219.4/29$

All: -28.862 ± 0.056 $\chi^2/\text{NDF}: 16209.3/60$

- sign -28.587 ± 0.079 $\chi^2/\text{NDF}: 6966.5/30$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.919 ± 0.040 $\chi^2/\text{NDF}: 57.5/4$

Left Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1478.5/24$

Right Out: 0.793 ± 0.032 $\chi^2/\text{NDF}: 128.5/7$

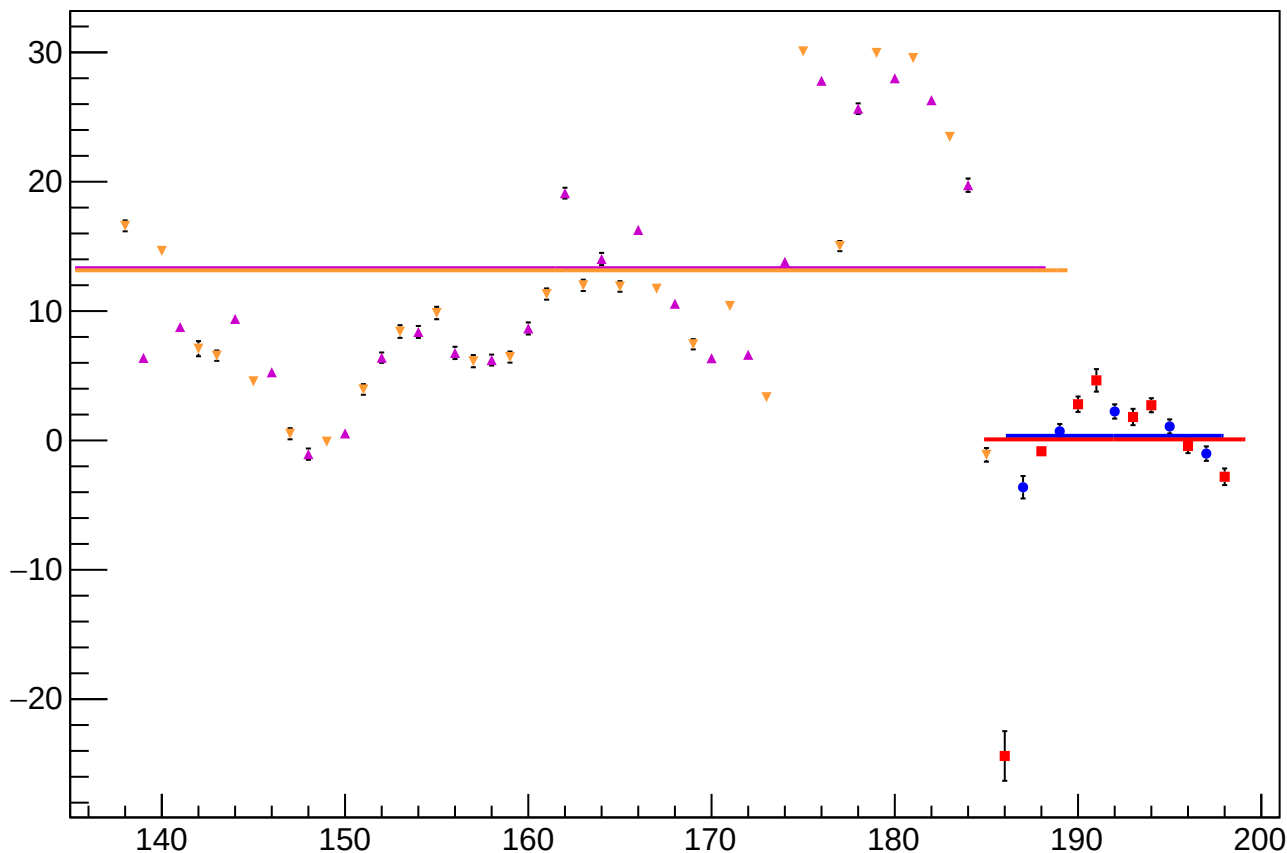
Left In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2057.9/22$

+ sign 0.179 ± 0.004 $\chi^2/\text{NDF}: 1878.8/29$

All: 0.173 ± 0.003 $\chi^2/\text{NDF}: 4466.3/60$

- sign 0.168 ± 0.004 $\chi^2/\text{NDF}: 2583.1/30$

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.356 ± 0.265 $\chi^2/\text{NDF}: 40.7/4$

Left Out: 13.153 ± 0.075 $\chi^2/\text{NDF}: 17079.7/24$

Right Out: 0.082 ± 0.187 $\chi^2/\text{NDF}: 273.3/7$

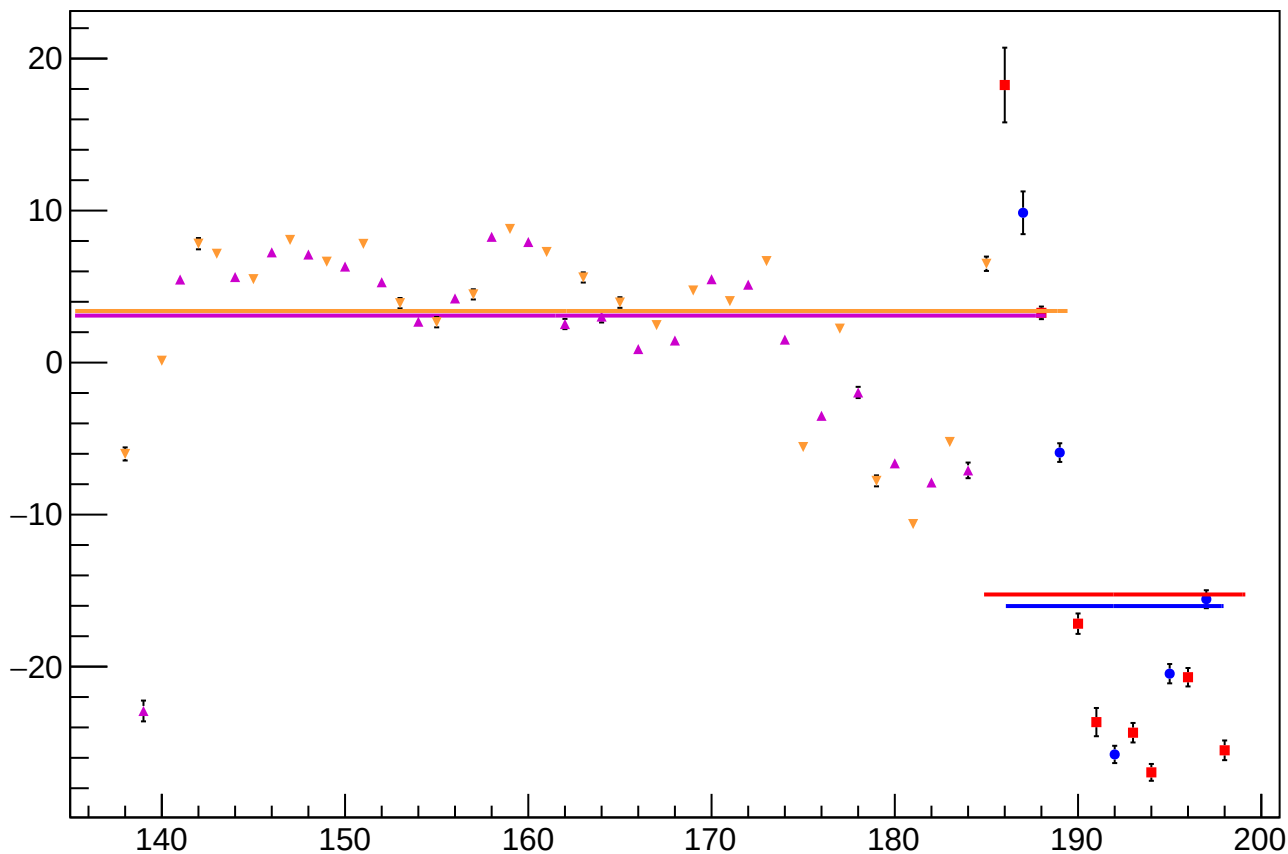
Left In: 13.315 ± 0.077 $\chi^2/\text{NDF}: 13977.7/22$

+ sign 12.200 ± 0.072 $\chi^2/\text{NDF}: 19276.3/29$

All: 11.793 ± 0.051 $\chi^2/\text{NDF}: 37858.7/60$

- sign 11.397 ± 0.071 $\chi^2/\text{NDF}: 18519.9/30$

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -16.016 ± 0.294 $\chi^2/\text{NDF}: 953.0/4$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -15.254 ± 0.223 $\chi^2/\text{NDF}: 3252.4/7$

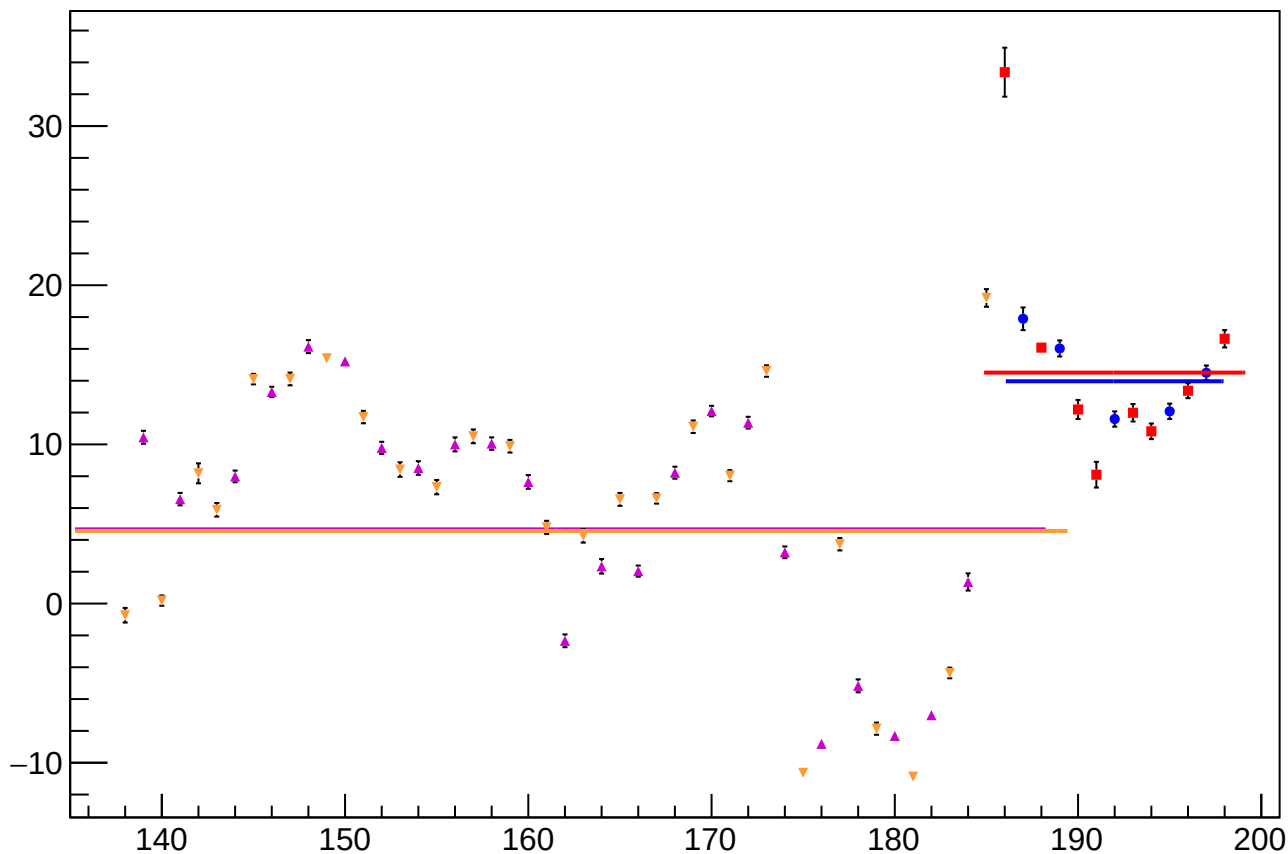
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 2.658 ± 0.057 $\chi^2/\text{NDF}: 13256.4/29$

All: 2.252 ± 0.041 $\chi^2/\text{NDF}: 30033.0/60$

- sign 1.829 ± 0.058 $\chi^2/\text{NDF}: 16674.0/30$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.966 $\pm$ 0.229 χ^2 /NDF: 87.5/4

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 14.511 $\pm$ 0.160 χ^2 /NDF: 373.9/7

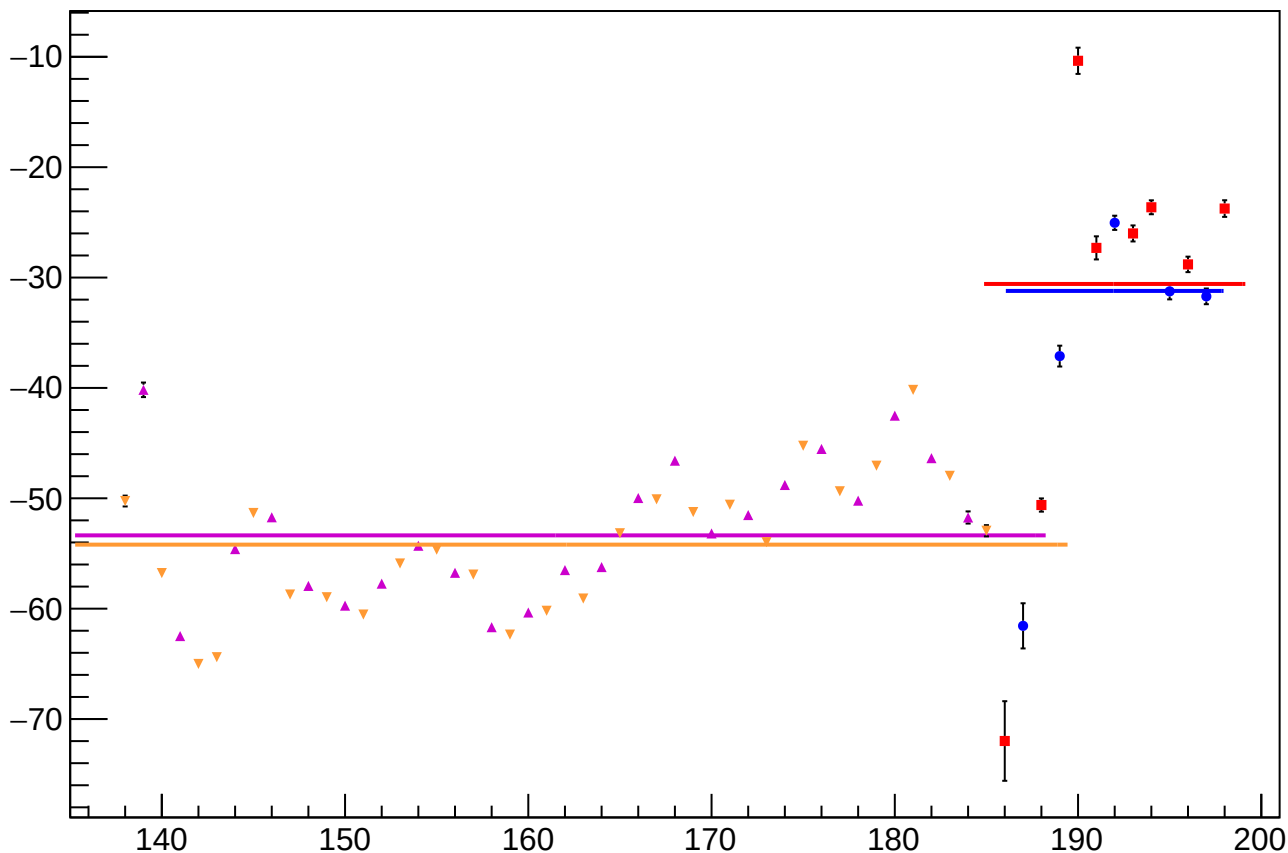
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 5.483 $\pm$ 0.072 χ^2 /NDF: 15206.7/29

All: 6.016 $\pm$ 0.050 χ^2 /NDF: 30058.7/60

- sign 6.513 $\pm$ 0.069 χ^2 /NDF: 14745.1/30

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -31.211 ± 0.362 χ^2/NDF : 351.4/4

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -30.580 ± 0.281 χ^2/NDF : 1798.7/7

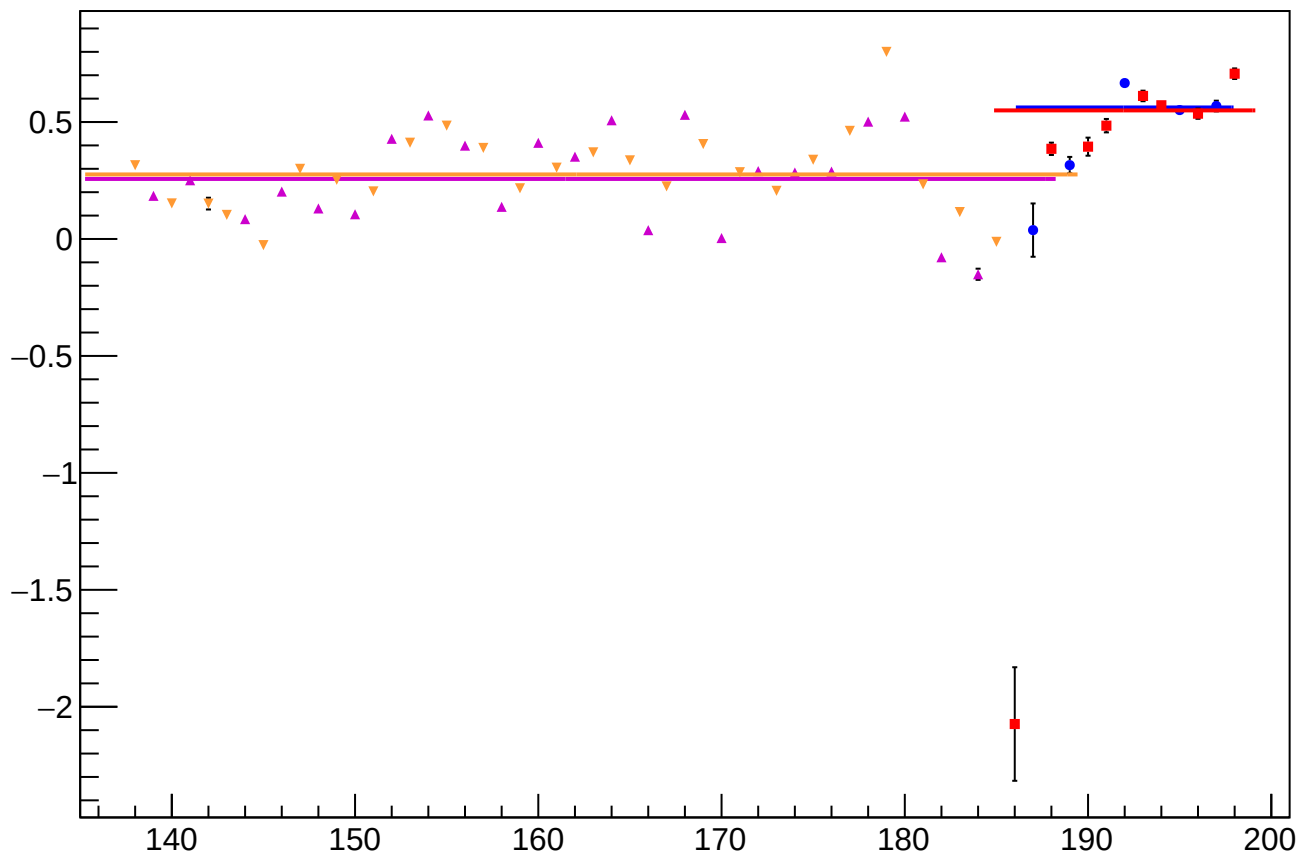
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -53.450 ± 0.065 χ^2/NDF : 12710.6/29

All: -52.778 ± 0.047 χ^2/NDF : 27815.8/60

- sign -52.081 ± 0.067 χ^2/NDF : 14889.4/30

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.562 ± 0.012 $\chi^2/\text{NDF}: 97.1/4$

Left Out: 0.276 ± 0.003 $\chi^2/\text{NDF}: 2623.6/24$

Right Out: 0.550 ± 0.009 $\chi^2/\text{NDF}: 234.4/7$

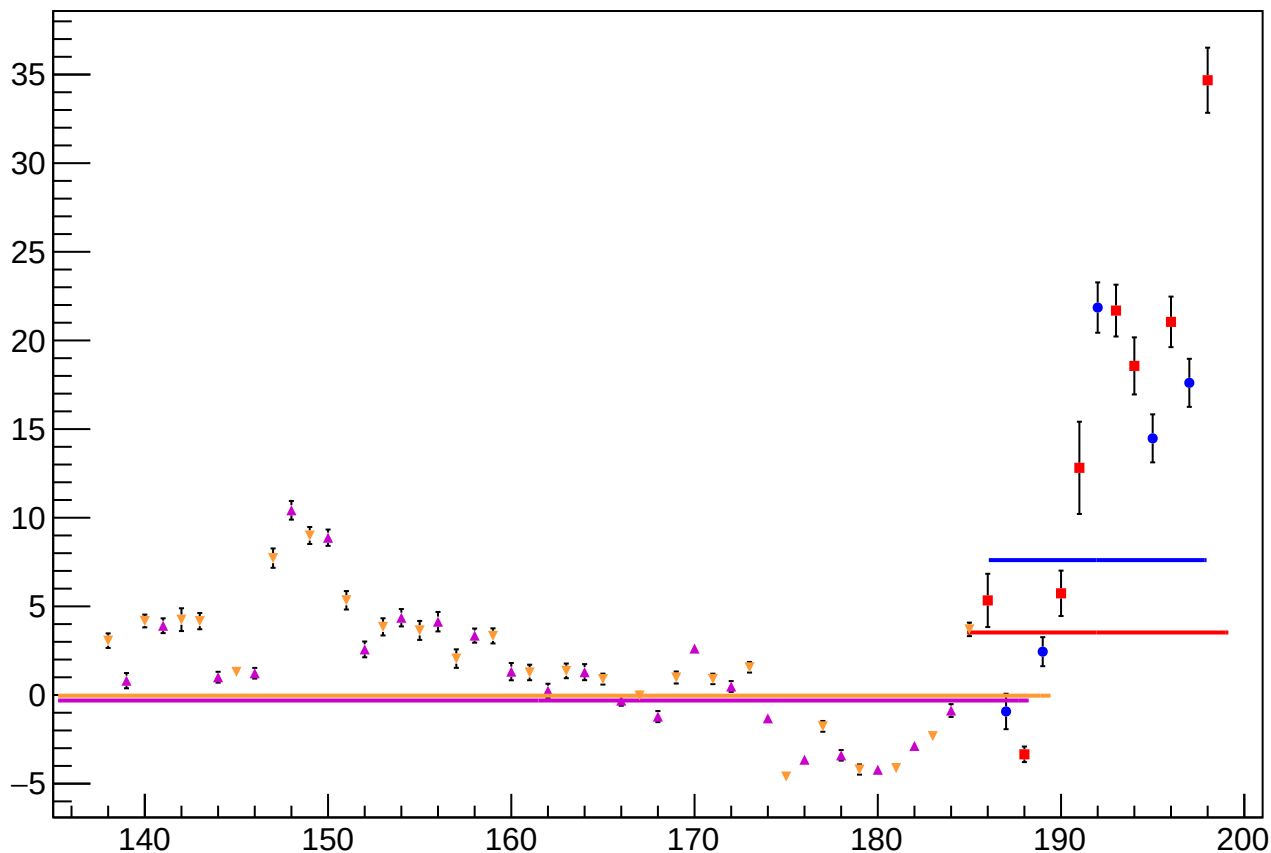
Left In: 0.257 ± 0.003 $\chi^2/\text{NDF}: 3623.9/22$

+ sign 0.294 ± 0.003 $\chi^2/\text{NDF}: 3286.4/29$

All: 0.291 ± 0.002 $\chi^2/\text{NDF}: 8092.1/60$

- sign 0.288 ± 0.003 $\chi^2/\text{NDF}: 4803.3/30$

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 7.610 ± 0.495 χ^2/NDF : 293.4/4

Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24

Right Out: 3.526 ± 0.353 χ^2/NDF : 942.3/7

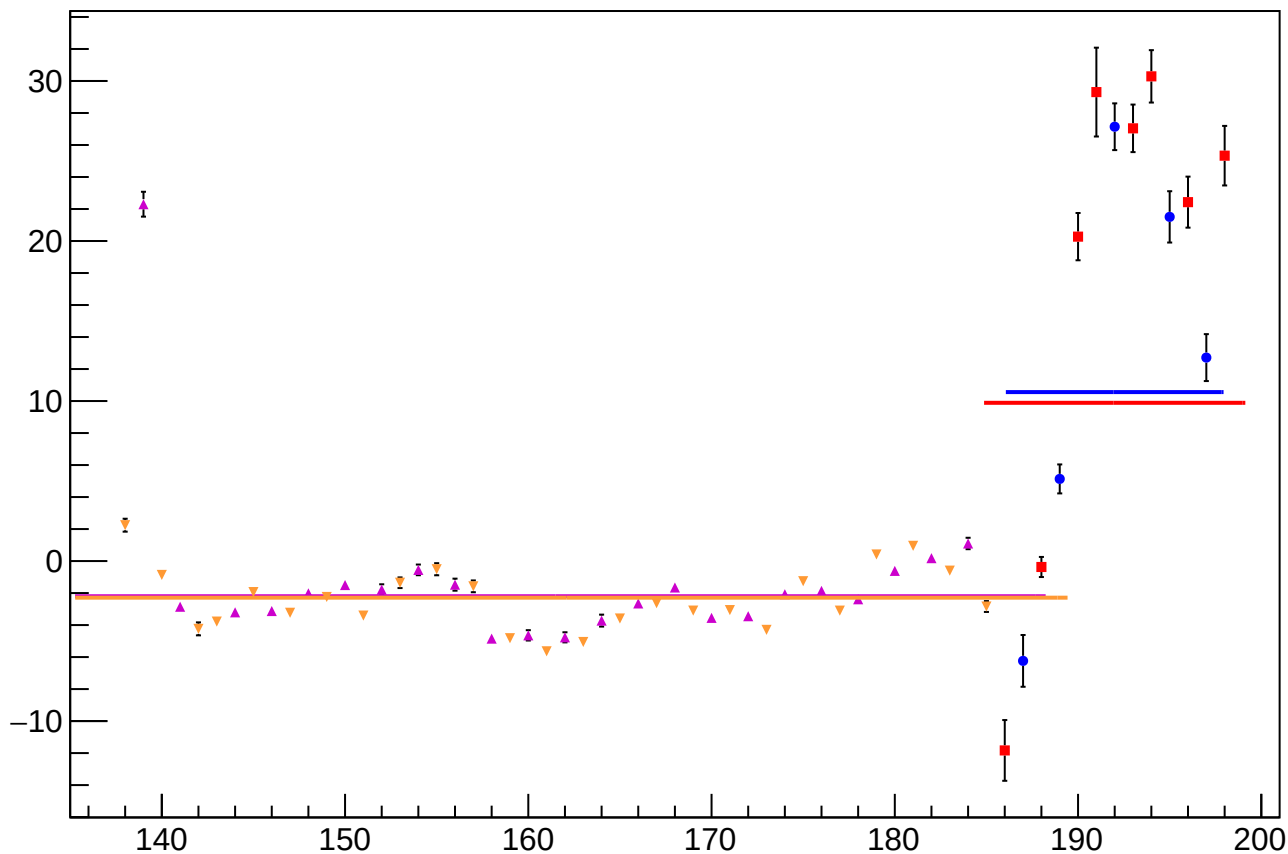
Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign 0.096 ± 0.065 χ^2/NDF : 3165.4/29

All: -0.038 ± 0.047 χ^2/NDF : 6480.8/60

- sign -0.175 ± 0.066 χ^2/NDF : 3306.9/30

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 10.559 $\pm$ 0.585 χ^2 /NDF: 321.5/4

Left Out: -2.288 $\pm$ 0.054 χ^2 /NDF:1137.7/24

Right Out: 9.889 $\pm$ 0.451 χ^2 /NDF: 915.8/7

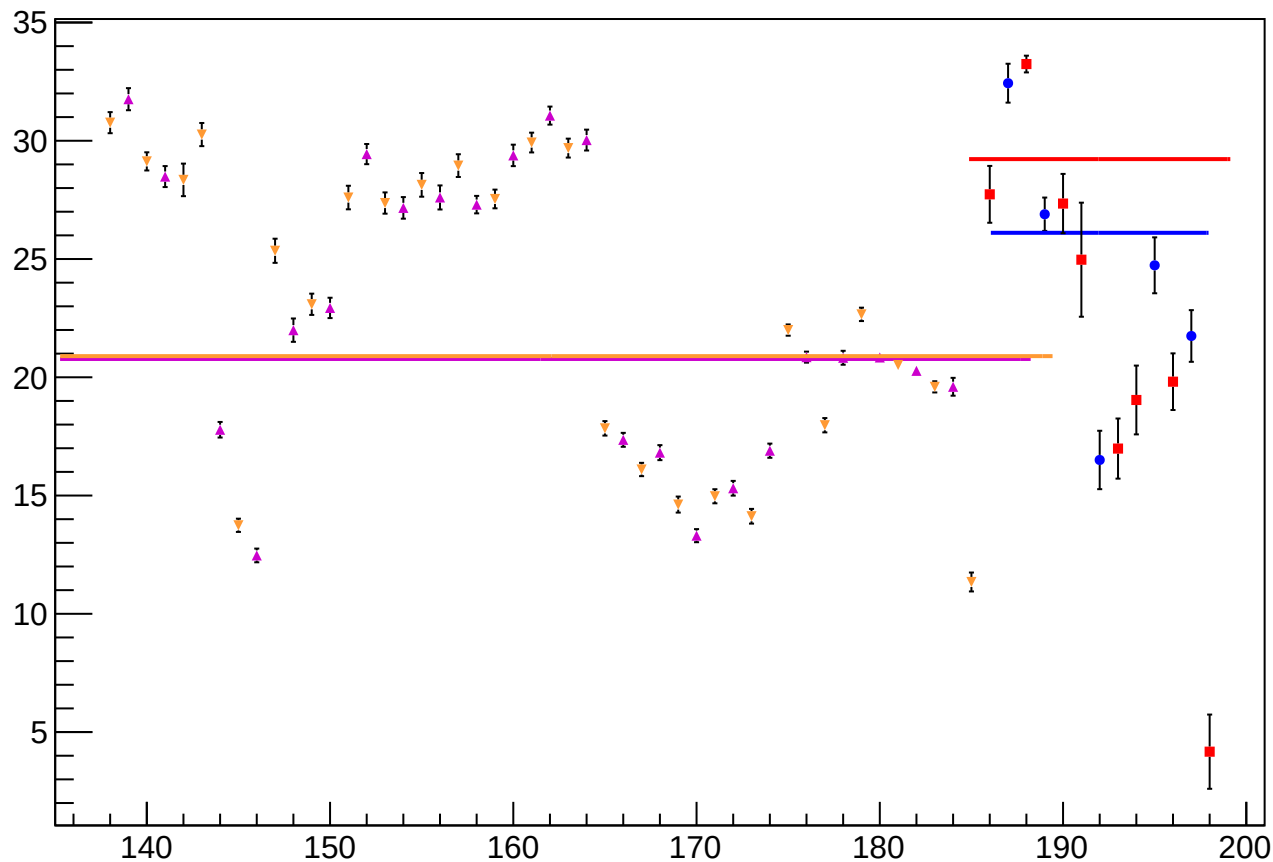
Left In: -2.198 $\pm$ 0.055 χ^2 /NDF:1673.9/22

+ sign -2.179 $\pm$ 0.054 χ^2 /NDF: 1937.9/29

All: -2.101 $\pm$ 0.038 χ^2 /NDF: 5238.9/60

- sign -2.020 $\pm$ 0.055 χ^2 /NDF: 3296.7/30

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 26.109 $\pm$ 0.419 χ^2 /NDF: 138.3/4

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF: 6655.4/24

Right Out: 29.224 $\pm$ 0.293 χ^2 /NDF: 594.2/7

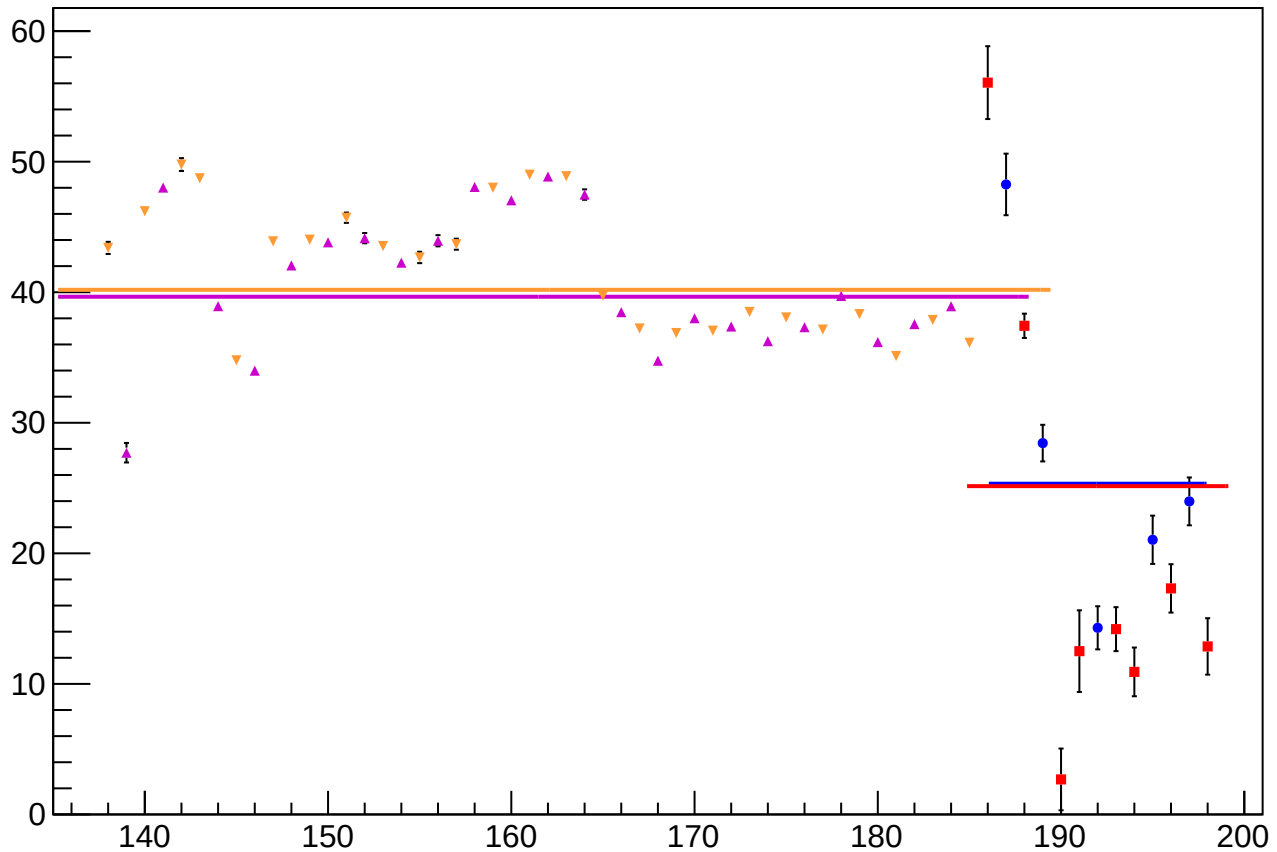
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF: 5927.9/22

+ sign 21.023 $\pm$ 0.066 χ^2 /NDF: 6944.8/29

All: 21.112 $\pm$ 0.047 χ^2 /NDF: 14262.2/60

- sign 21.202 $\pm$ 0.066 χ^2 /NDF: 7313.7/30

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 25.333 $\pm$ 0.780 χ^2 /NDF: 150.0/4

Left Out: 40.186 $\pm$ 0.060 χ^2 /NDF: 5932.7/24

Right Out: 25.147 $\pm$ 0.607 χ^2 /NDF: 554.4/7

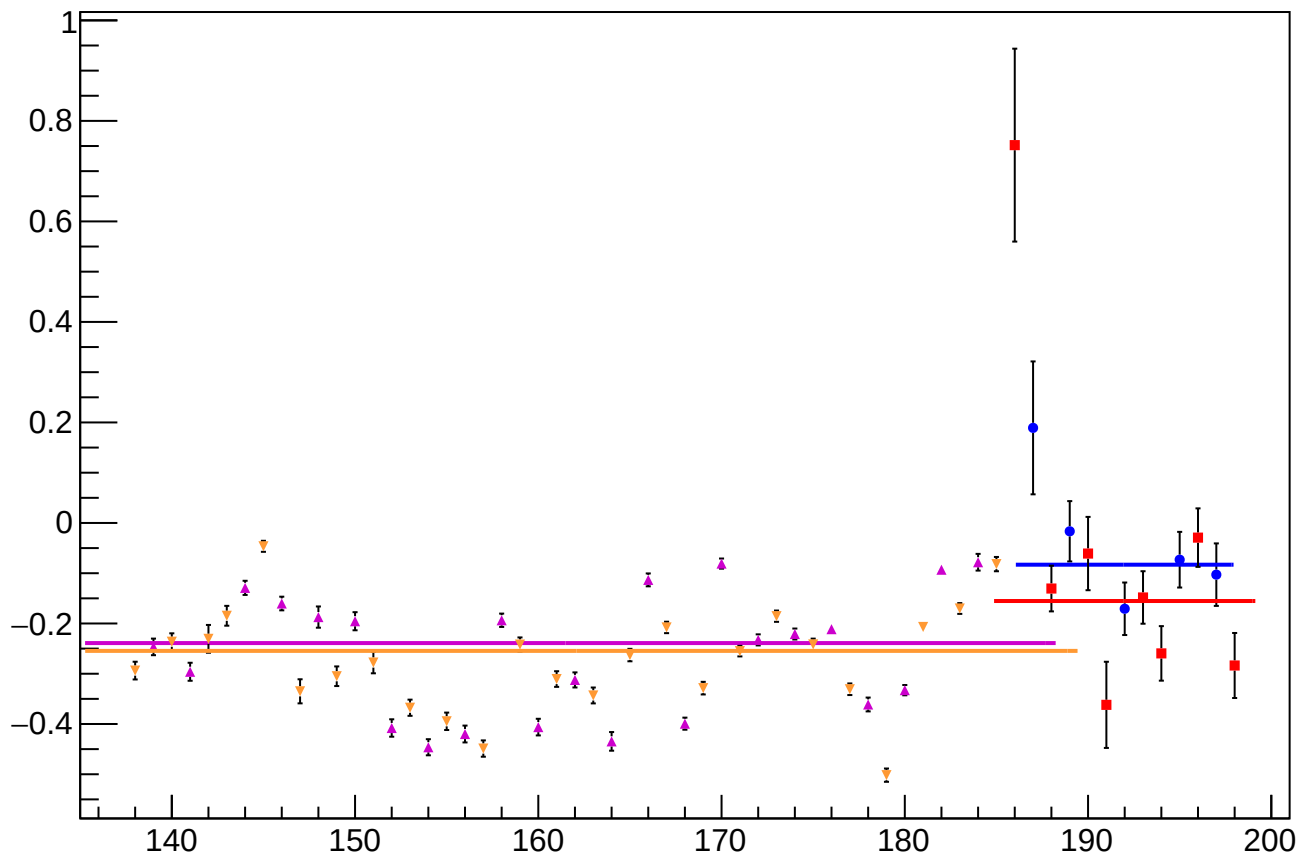
Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

+ sign 40.098 $\pm$ 0.060 χ^2 /NDF: 6443.4/29

All: 39.807 $\pm$ 0.043 χ^2 /NDF: 12908.5/60

- sign 39.508 $\pm$ 0.061 χ^2 /NDF: 6417.9/30

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.083 ± 0.028 χ^2/NDF : 8.4/4

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.155 ± 0.022 χ^2/NDF : 42.5/7

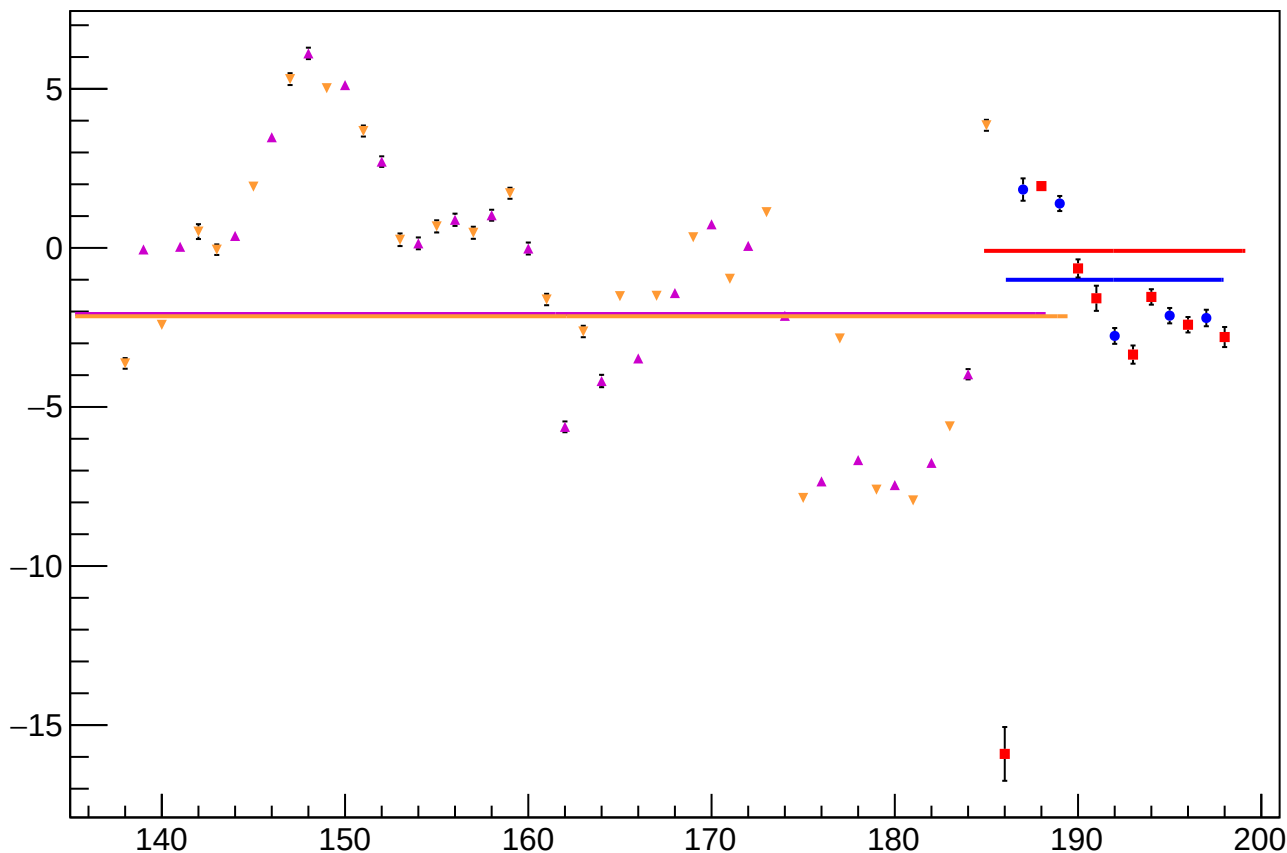
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.253 ± 0.003 χ^2/NDF : 1466.3/29

All: -0.245 ± 0.002 χ^2/NDF : 3288.9/60

- sign -0.238 ± 0.003 χ^2/NDF : 1807.2/30

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.002 ± 0.116 χ^2/NDF : 260.8/4

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.093 ± 0.079 χ^2/NDF : 1042.7/7

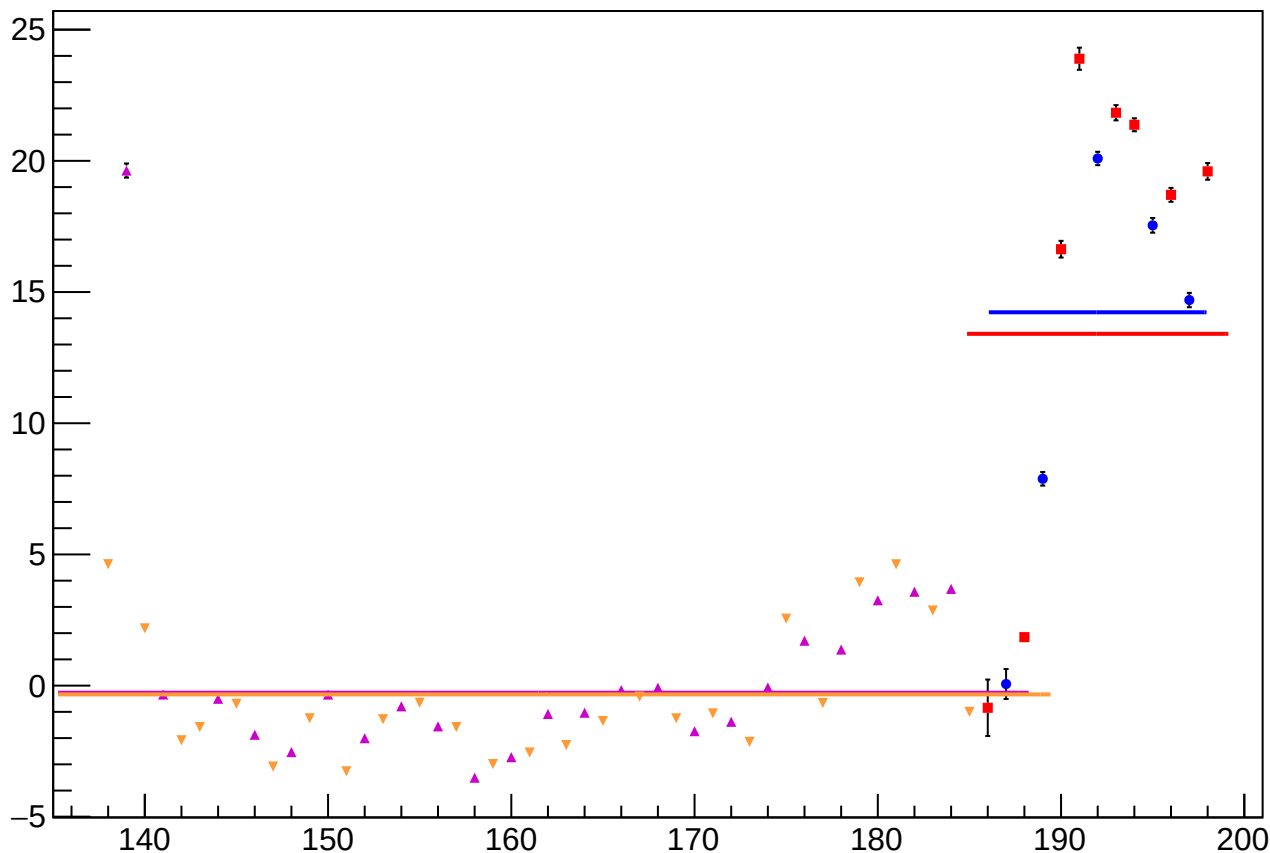
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -2.095 ± 0.025 χ^2/NDF : 24889.8/29

All: -1.989 ± 0.018 χ^2/NDF : 49781.1/60

- sign -1.884 ± 0.025 χ^2/NDF : 24855.3/30

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 14.229 $\pm$ 0.130 χ^2 /NDF: 1884.5/4

Left Out: -0.335 $\pm$ 0.021 χ^2 /NDF: 12596.1/24

Right Out: 13.408 $\pm$ 0.097 χ^2 /NDF: 8674.2/7

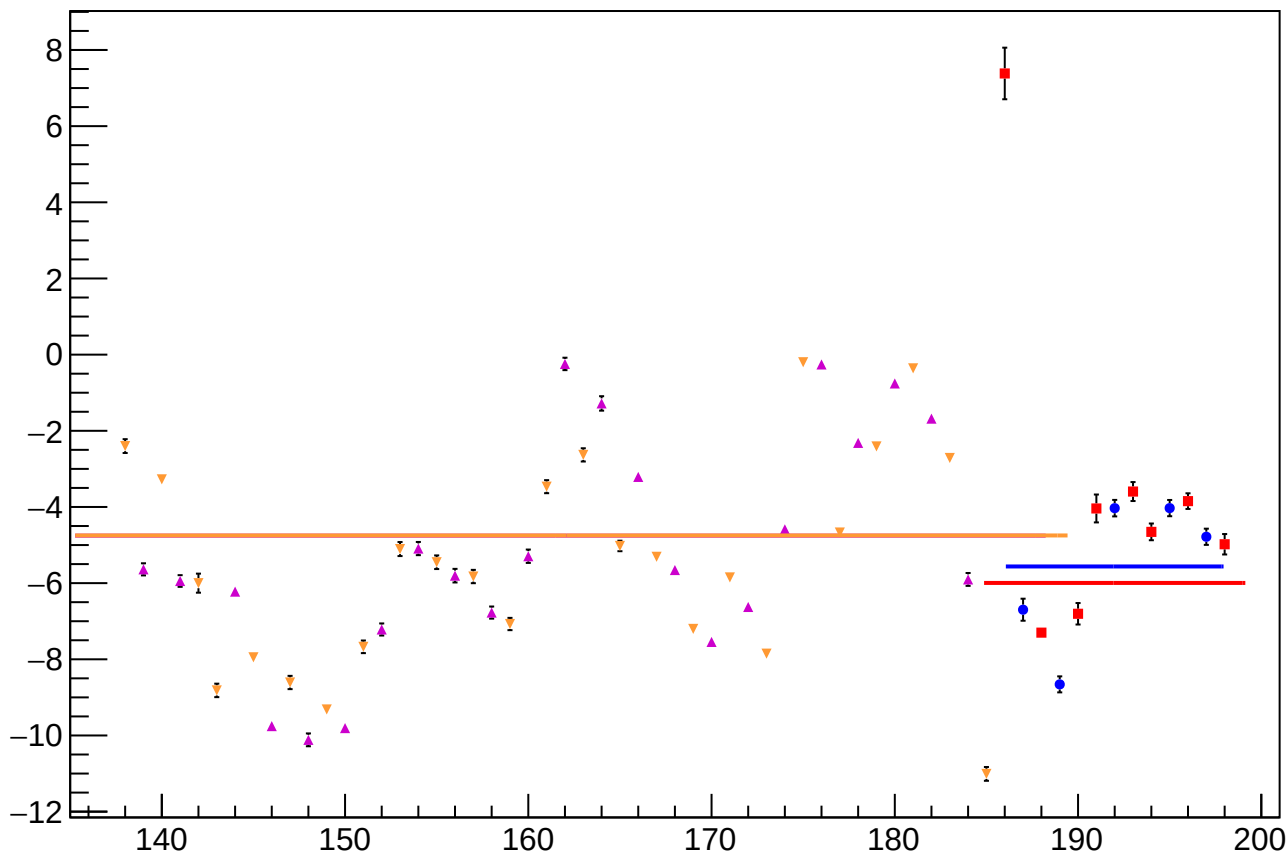
Left In: -0.269 $\pm$ 0.021 χ^2 /NDF: 13323.1/22

+ sign 0.022 $\pm$ 0.020 χ^2 /NDF: 26742.2/29

All: 0.181 $\pm$ 0.014 χ^2 /NDF: 67952.7/60

- sign 0.343 $\pm$ 0.020 χ^2 /NDF: 41086.4/30

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.562+/-0.100 χ^2/NDF : 347.2/4

Left Out: -4.748+/-0.026 χ^2/NDF :13289.8/24

Right Out: -5.995+/-0.067 χ^2/NDF : 896.3/7

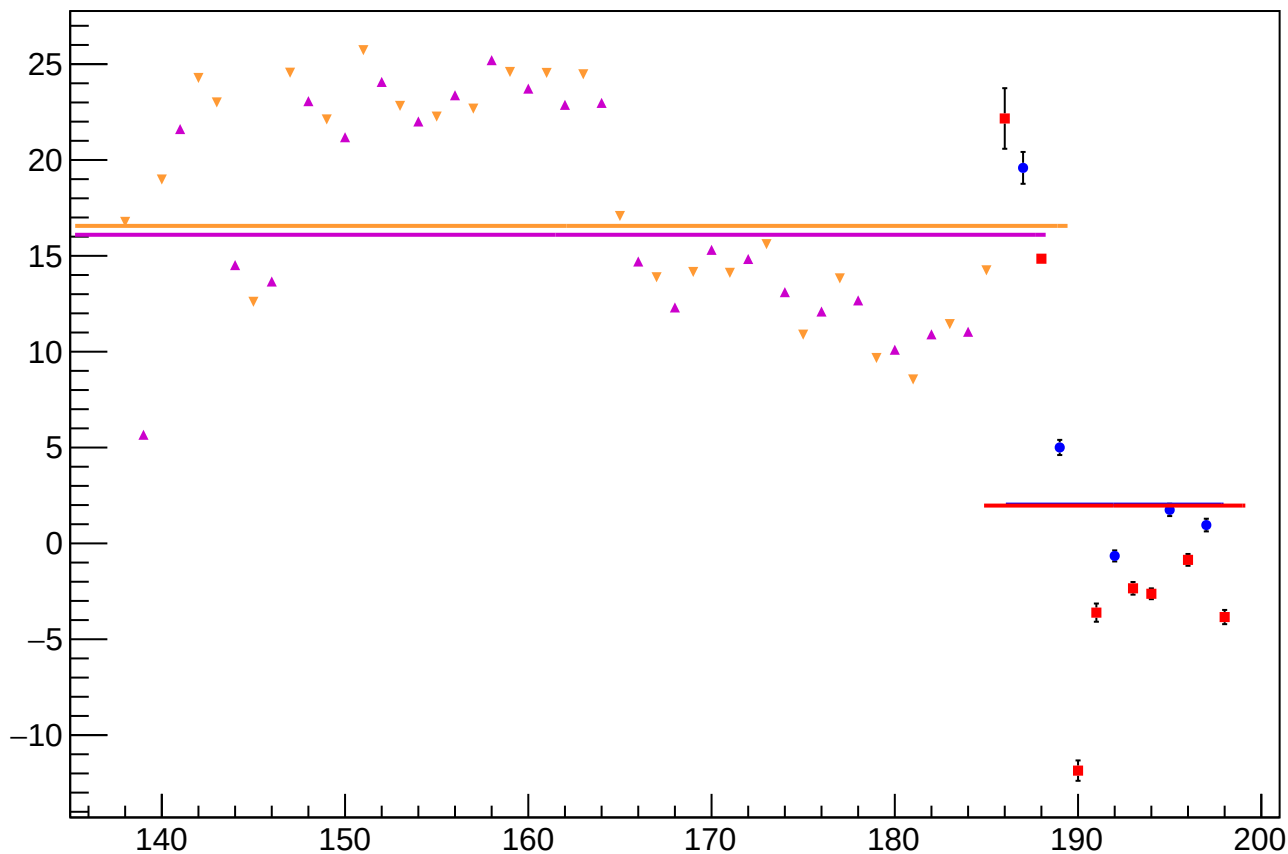
Left In: -4.753+/-0.026 χ^2/NDF :14119.2/22

+ sign -4.799+/-0.025 χ^2/NDF : 13699.2/29

All: -4.860+/-0.017 χ^2/NDF : 29024.8/60

- sign -4.917+/-0.024 χ^2/NDF : 15314.1/30

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 2.023 ± 0.161 χ^2/NDF : 600.3/4

Left Out: 16.563 ± 0.023 χ^2/NDF : 53858.5/24

Right Out: 1.973 ± 0.123 χ^2/NDF : 4776.7/7

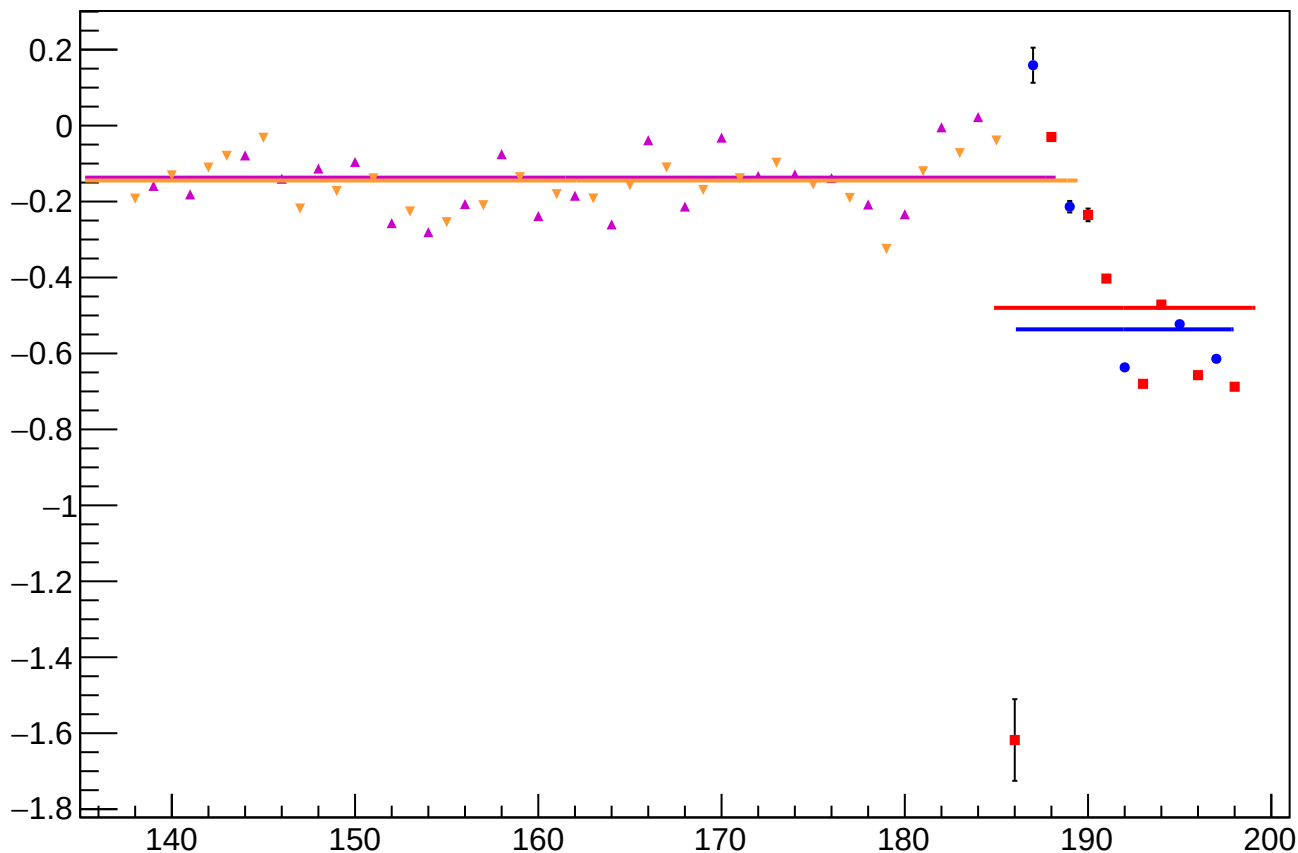
Left In: 16.098 ± 0.024 χ^2/NDF : 42345.7/22

+ sign 16.268 ± 0.023 χ^2/NDF : 62457.2/29

All: 15.936 ± 0.016 χ^2/NDF : 122748.7/60

- sign 15.597 ± 0.023 χ^2/NDF : 59867.4/30

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.537 ± 0.005 χ^2/NDF : 858.3/4

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.480 ± 0.004 χ^2/NDF : 3296.6/7

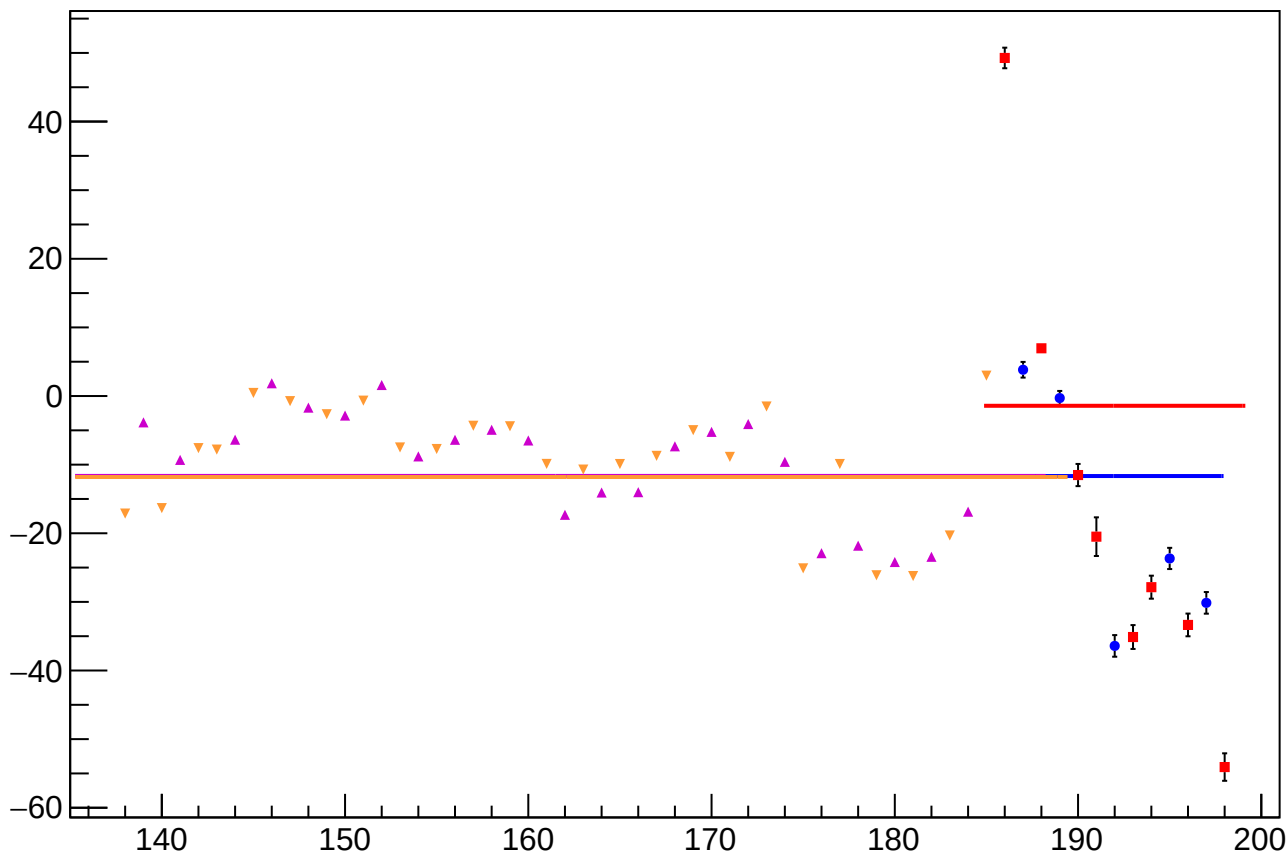
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.160 ± 0.001 χ^2/NDF : 10043.8/29

All: -0.160 ± 0.001 χ^2/NDF : 25539.0/60

- sign -0.160 ± 0.001 χ^2/NDF : 15495.2/30

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -11.659 ± 0.585 $\chi^2/\text{NDF}: 748.4/4$

Left Out: -11.801 ± 0.070 $\chi^2/\text{NDF}: 17308.2/24$

Right Out: -1.421 ± 0.418 $\chi^2/\text{NDF}: 3158.6/7$

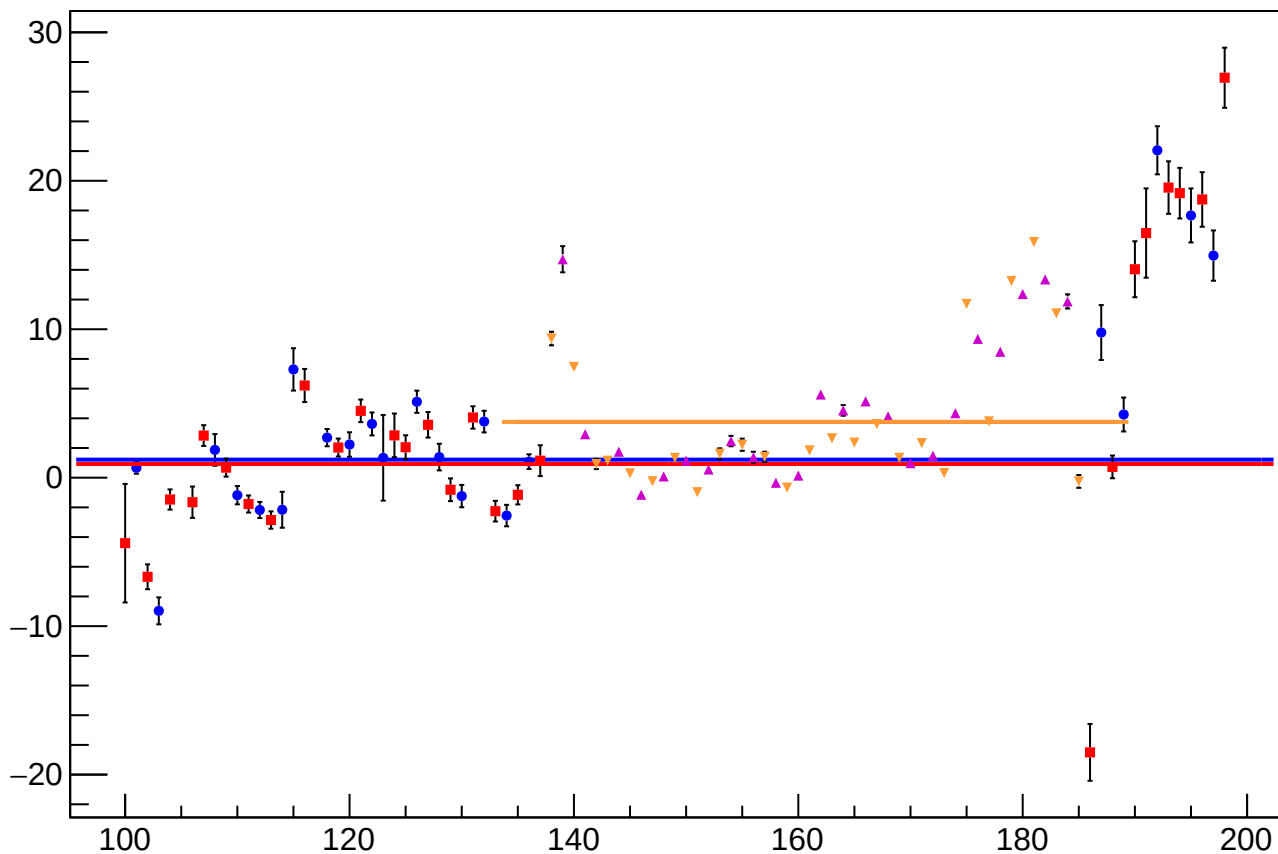
Left In: -11.642 ± 0.072 $\chi^2/\text{NDF}: 14121.2/22$

+ sign -11.799 ± 0.070 $\chi^2/\text{NDF}: 18056.6/29$

All: -11.577 ± 0.050 $\chi^2/\text{NDF}: 35937.7/60$

- sign -11.351 ± 0.071 $\chi^2/\text{NDF}: 17860.6/30$

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.215 $\pm$ 0.165 χ^2 /NDF: 645.0/21

Left Out: 3.757 $\pm$ 0.056 χ^2 /NDF: 7450.7/24

Right Out: 0.919 $\pm$ 0.166 χ^2 /NDF: 951.5/26

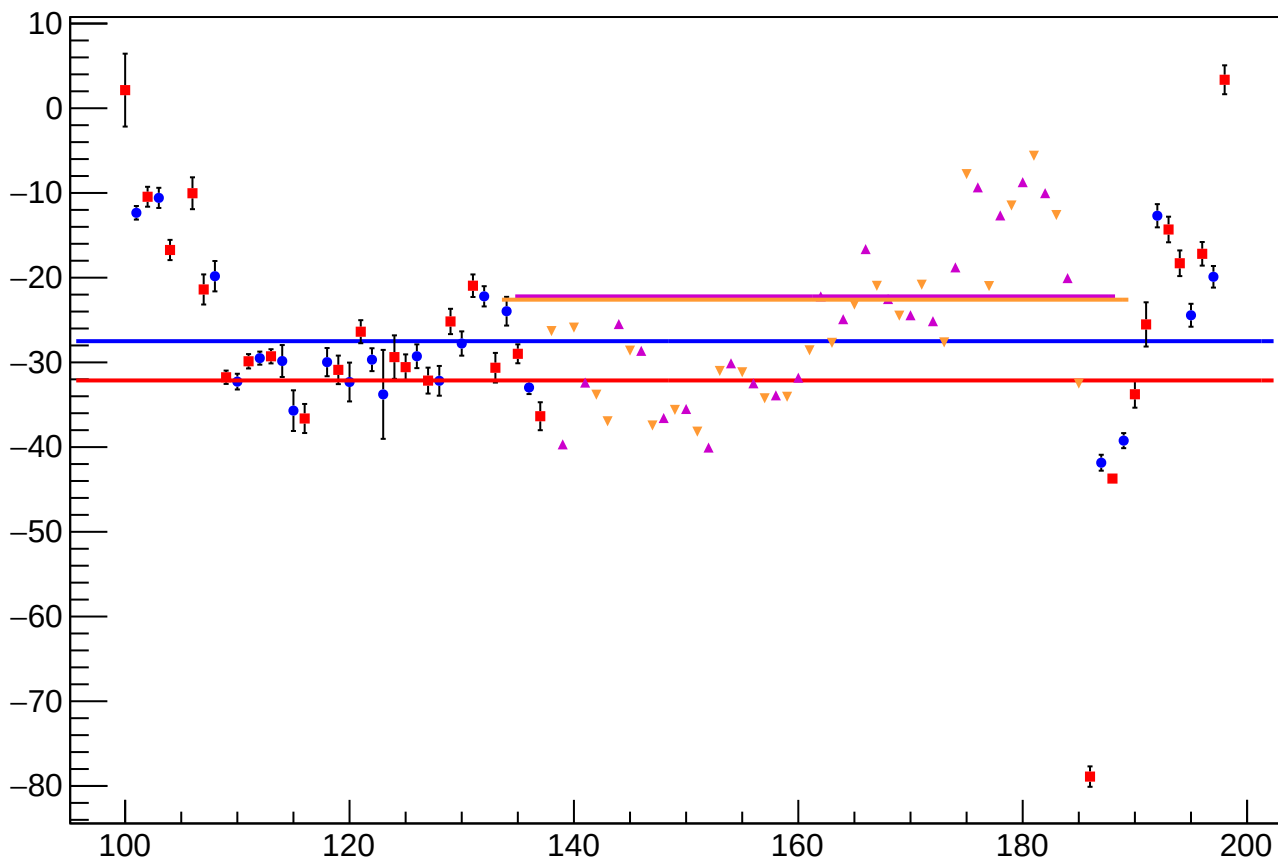
Left In: 3.757 $\pm$ 0.057 χ^2 /NDF: 5629.4/22

+ sign 3.500 $\pm$ 0.053 χ^2 /NDF: 8307.6/46

All: 3.481 $\pm$ 0.038 χ^2 /NDF: 15150.5/96

- sign 3.461 $\pm$ 0.054 χ^2 /NDF: 6842.6/49

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -27.495 $\pm$ 0.257 χ^2 /NDF: 1281.7/21

Left Out: -22.598 $\pm$ 0.071 χ^2 /NDF:19933.4/24

Right Out: -32.132 $\pm$ 0.226 χ^2 /NDF: 3896.0/26

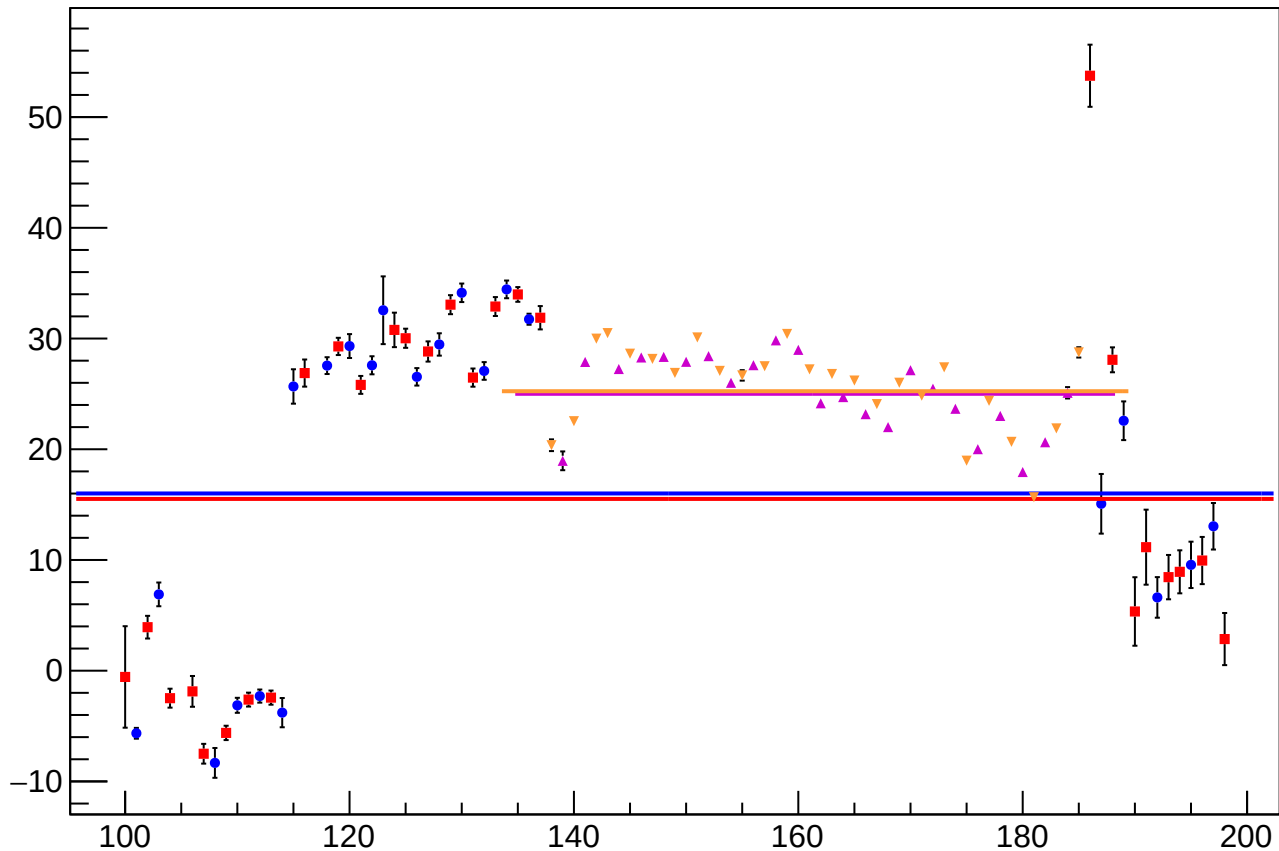
Left In: -22.209 $\pm$ 0.072 χ^2 /NDF:17627.4/22

+ sign -22.942 $\pm$ 0.068 χ^2 /NDF: 21552.4/46

All: -23.027 $\pm$ 0.048 χ^2 /NDF: 44828.1/96

- sign -23.113 $\pm$ 0.068 χ^2 /NDF: 23272.5/49

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.007 $\pm$ 0.188 χ^2 /NDF: 7594.4/21

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.514 $\pm$ 0.190 χ^2 /NDF: 7645.3/26

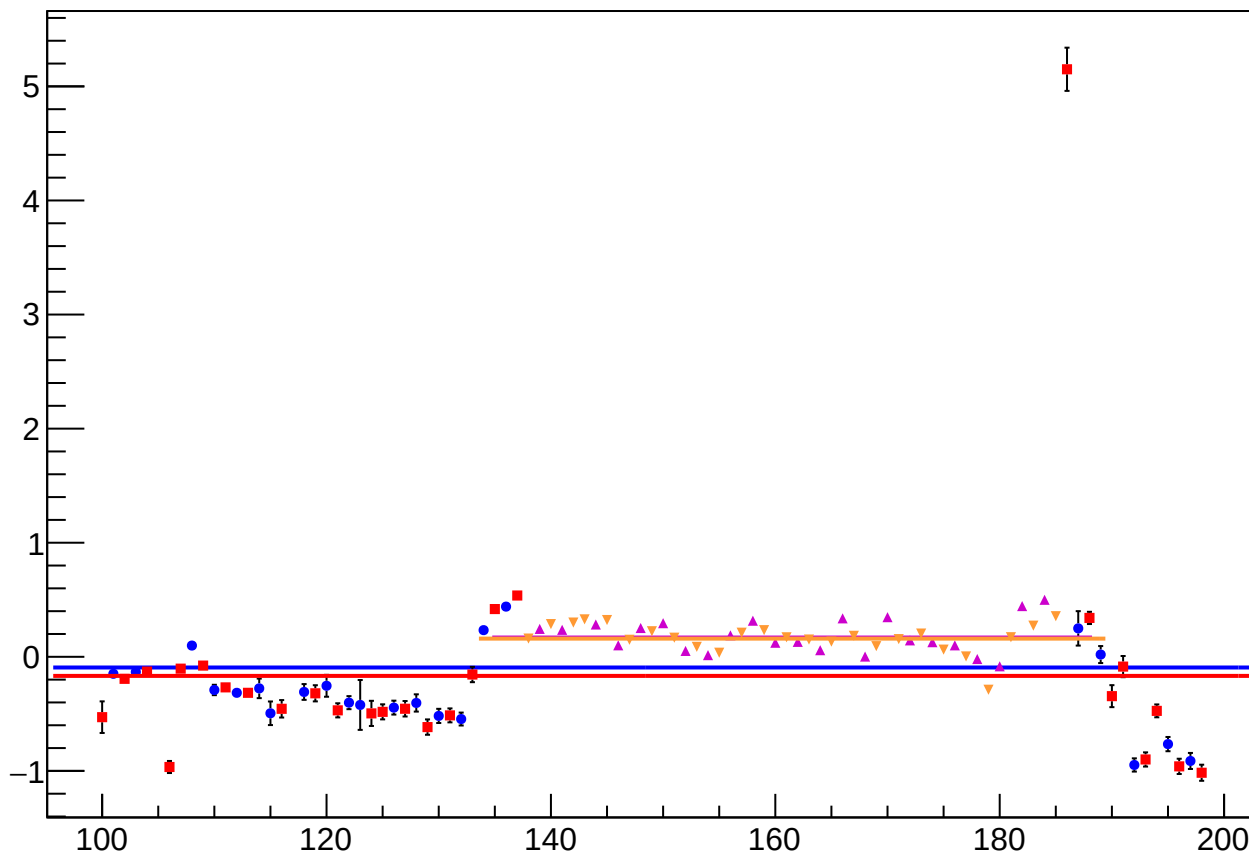
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.321 $\pm$ 0.059 χ^2 /NDF: 13548.4/46

All: 24.186 $\pm$ 0.042 χ^2 /NDF: 26169.8/96

- sign 24.046 $\pm$ 0.061 χ^2 /NDF: 12610.8/49

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.094 ± 0.010 χ^2/NDF : 1520.3/21

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.167 ± 0.010 χ^2/NDF : 2507.1/26

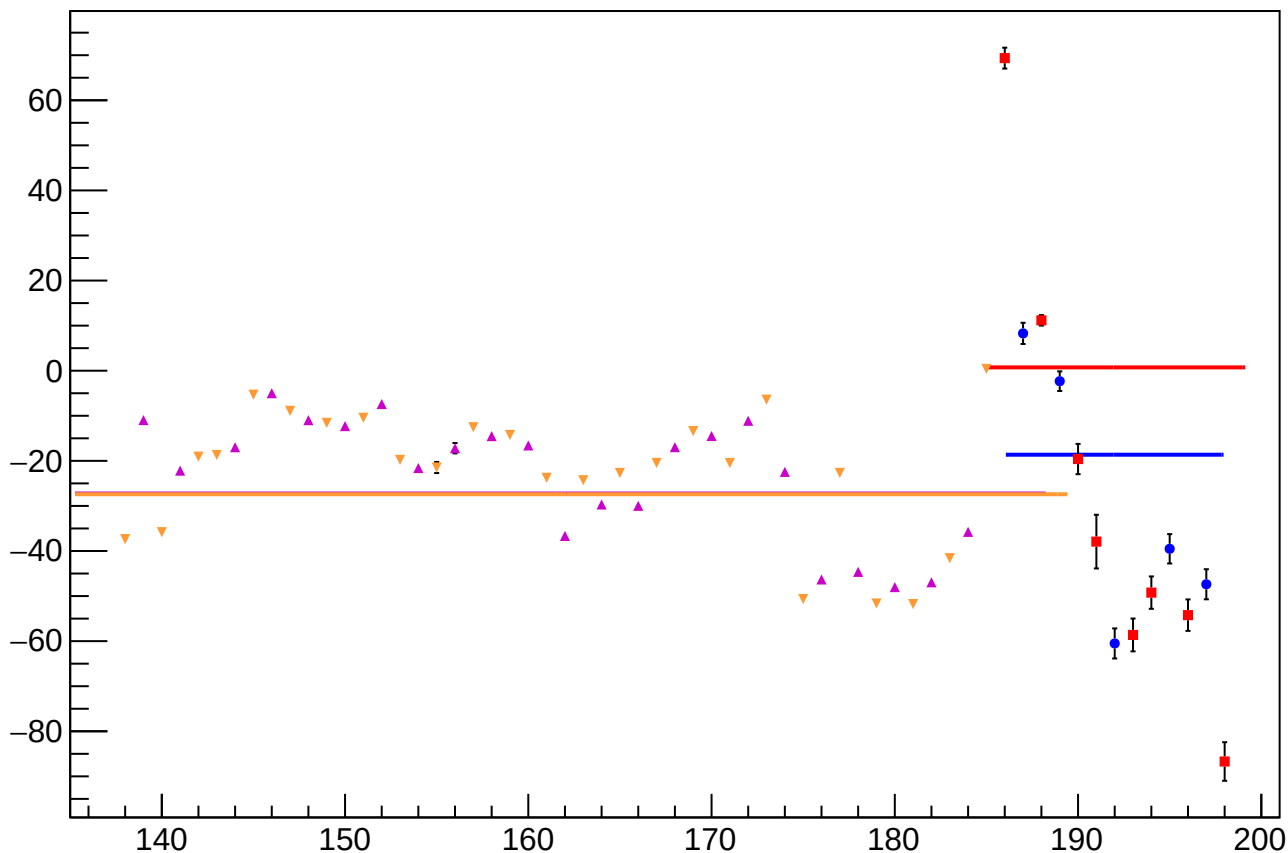
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.140 ± 0.003 χ^2/NDF : 3994.5/46

All: 0.140 ± 0.002 χ^2/NDF : 10045.7/96

- sign 0.140 ± 0.003 χ^2/NDF : 6051.2/49

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -18.636 ± 1.226 χ^2/NDF : 460.0/4

Left Out: -27.408 ± 0.137 χ^2/NDF : 14850.5/24

Right Out: 0.738 ± 0.866 χ^2/NDF : 2160.2/7

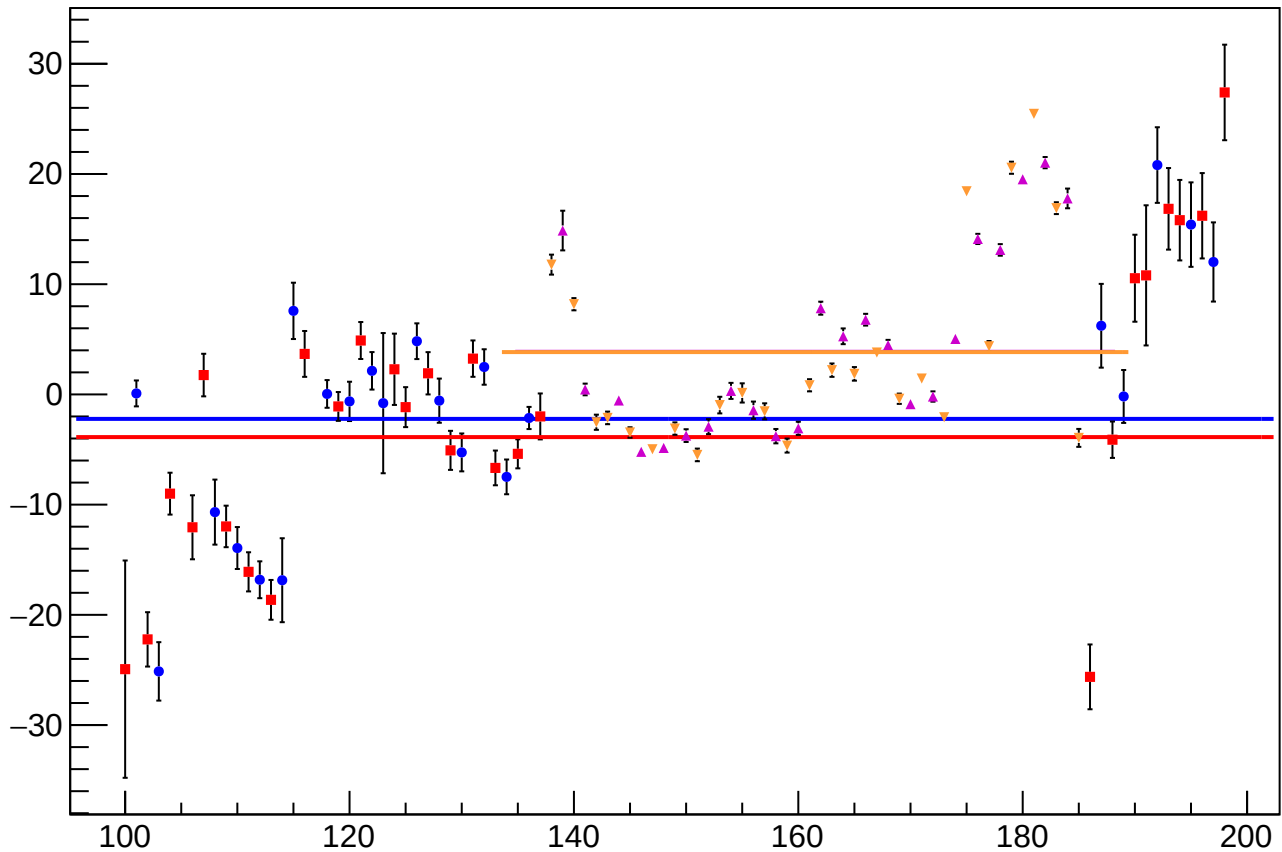
Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -27.300 ± 0.136 χ^2/NDF : 15361.1/29

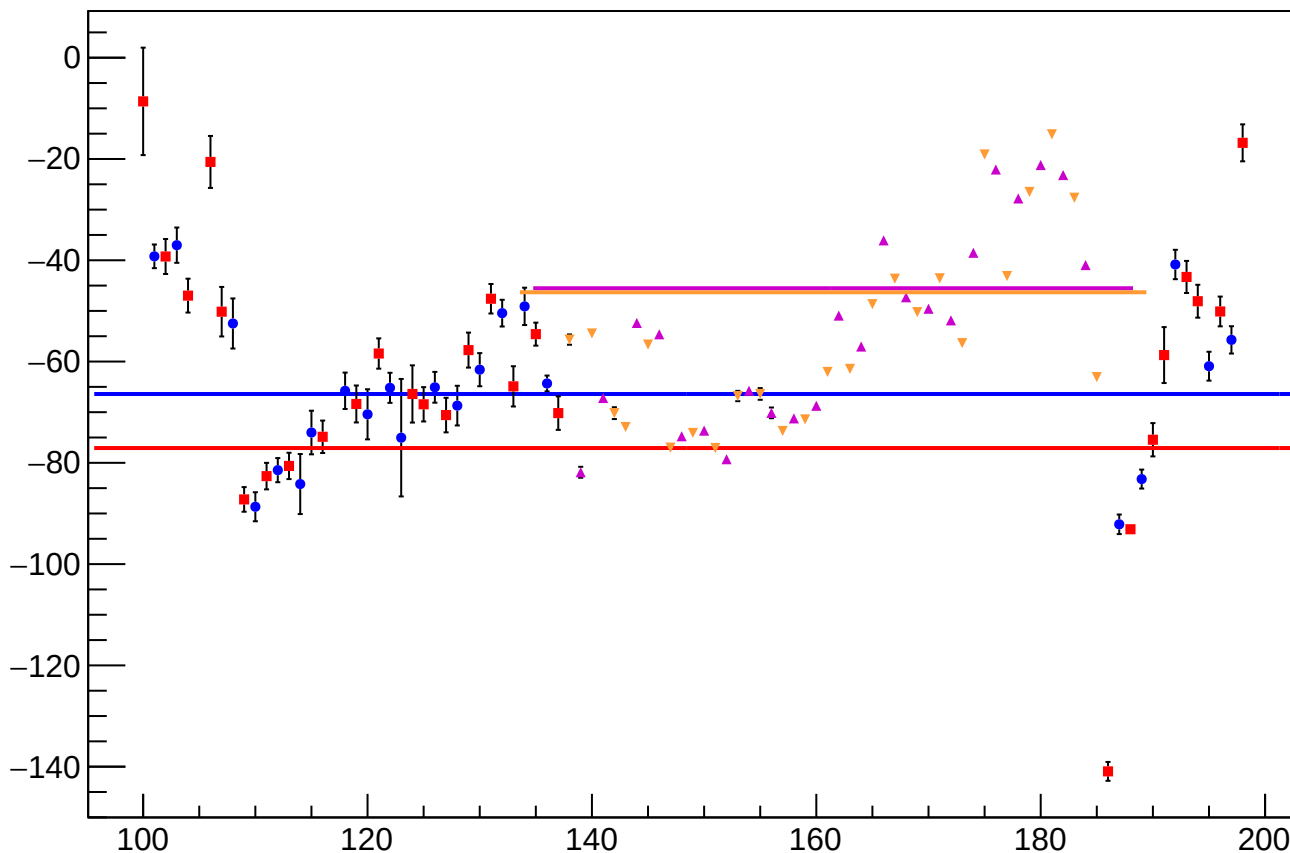
All: -26.922 ± 0.097 χ^2/NDF : 29860.4/60

- sign -26.536 ± 0.138 χ^2/NDF : 14483.7/30

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -66.411 ± 0.603 χ^2/NDF : 746.1/21

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -77.079 ± 0.520 χ^2/NDF : 2751.7/26

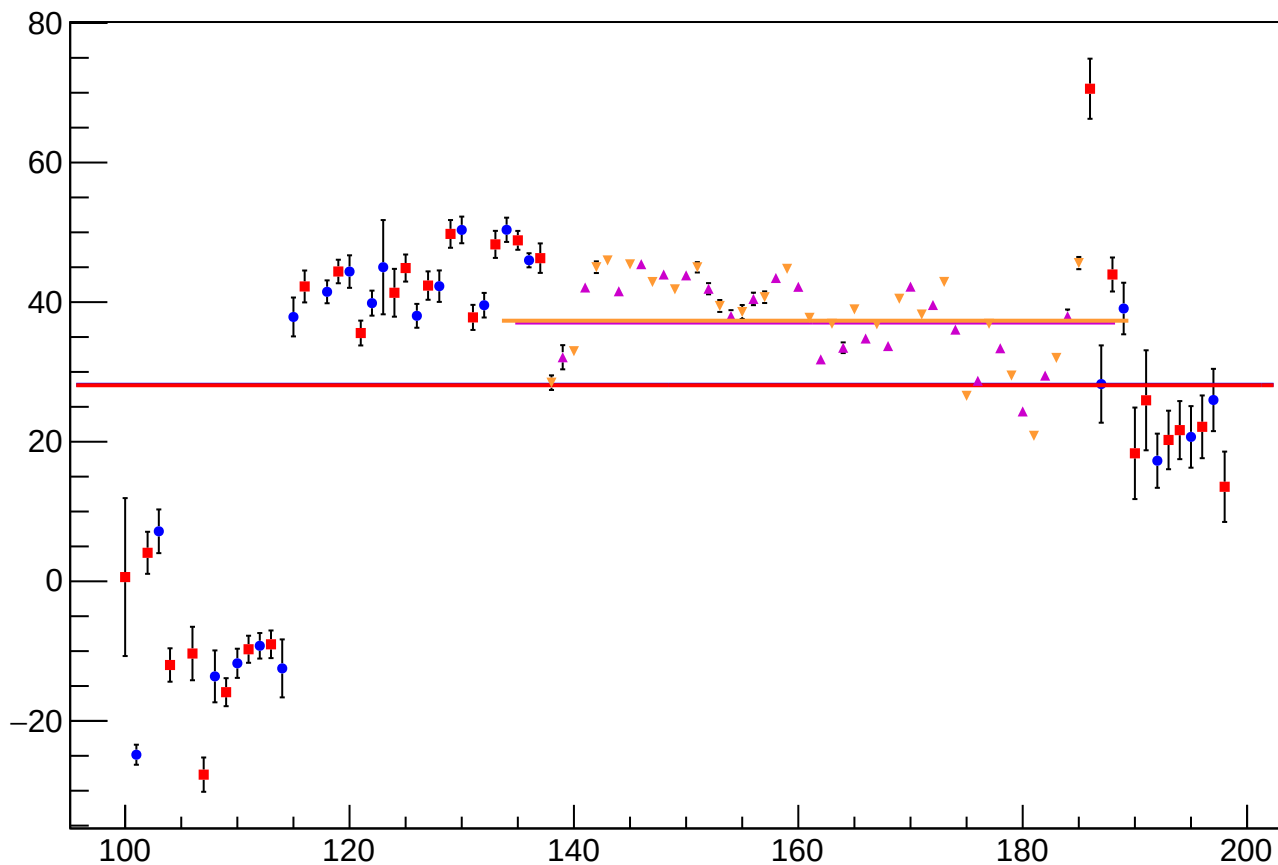
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -47.317 ± 0.134 χ^2/NDF : 21935.9/46

All: -47.483 ± 0.095 χ^2/NDF : 45654.0/96

- sign -47.649 ± 0.135 χ^2/NDF : 23715.0/49

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.159 $\pm$ 0.448 χ^2 /NDF: 3330.6/21

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.091 $\pm$ 0.456 χ^2 /NDF: 3191.5/26

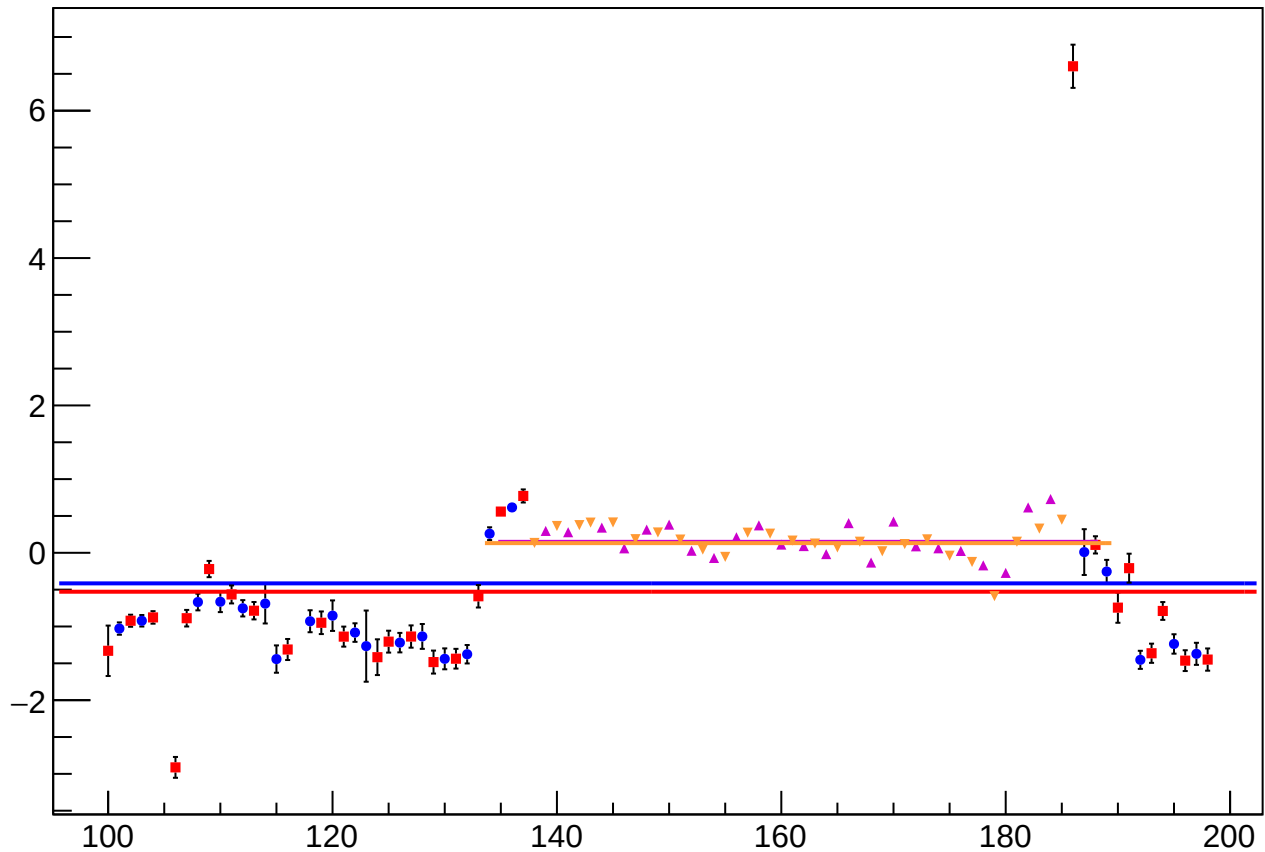
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.698 $\pm$ 0.118 χ^2 /NDF: 6870.3/46

All: 36.573 $\pm$ 0.085 χ^2 /NDF: 12822.6/96

- sign 36.443 $\pm$ 0.121 χ^2 /NDF: 5950.1/49

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.415 ± 0.023 χ^2/NDF : 1177.9/21

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.528 ± 0.023 χ^2/NDF : 1911.2/26

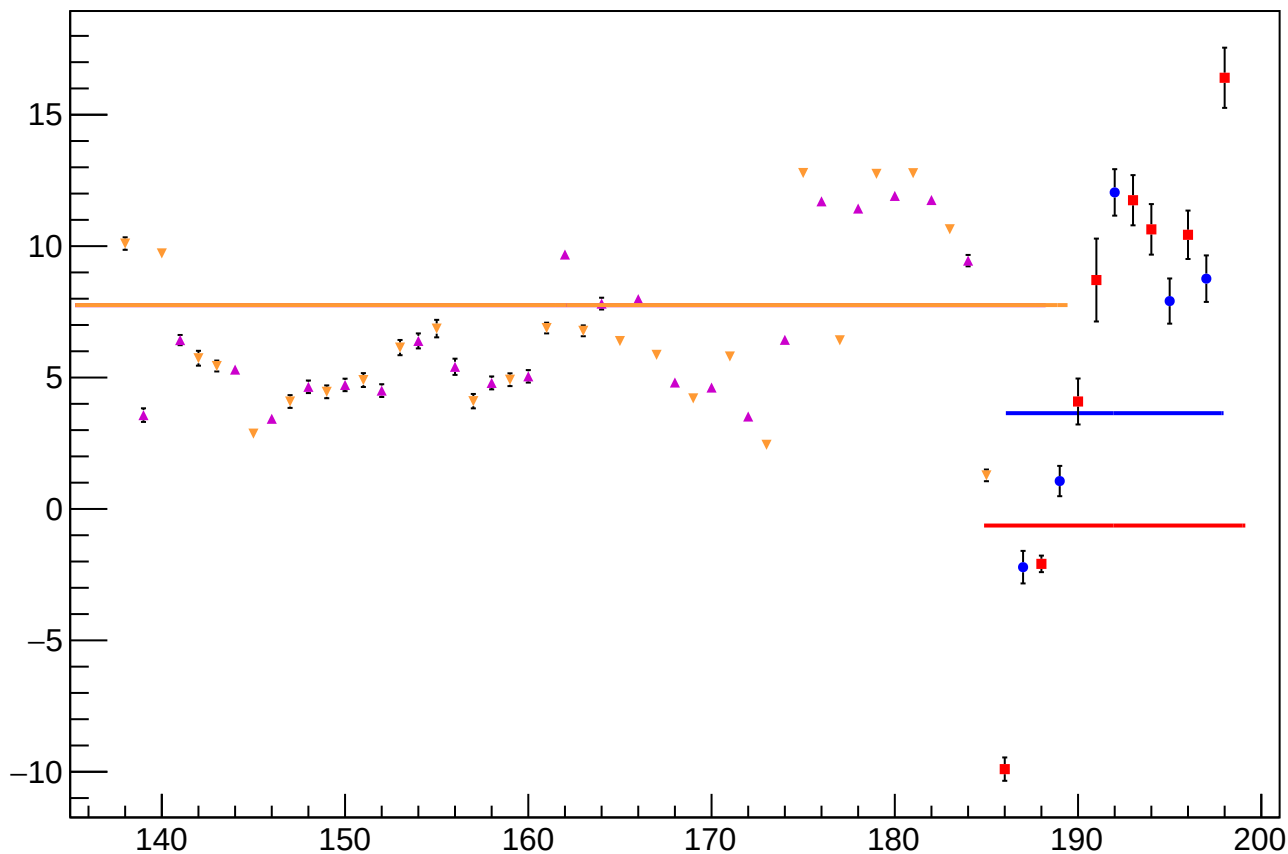
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.101 ± 0.005 χ^2/NDF : 3117.9/46

All: 0.105 ± 0.004 χ^2/NDF : 7636.9/96

- sign 0.110 ± 0.006 χ^2/NDF : 4517.9/49

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 3.645 ± 0.324 $\chi^2/\text{NDF}: 258.0/4$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: -0.631 ± 0.218 $\chi^2/\text{NDF}: 1191.6/7$

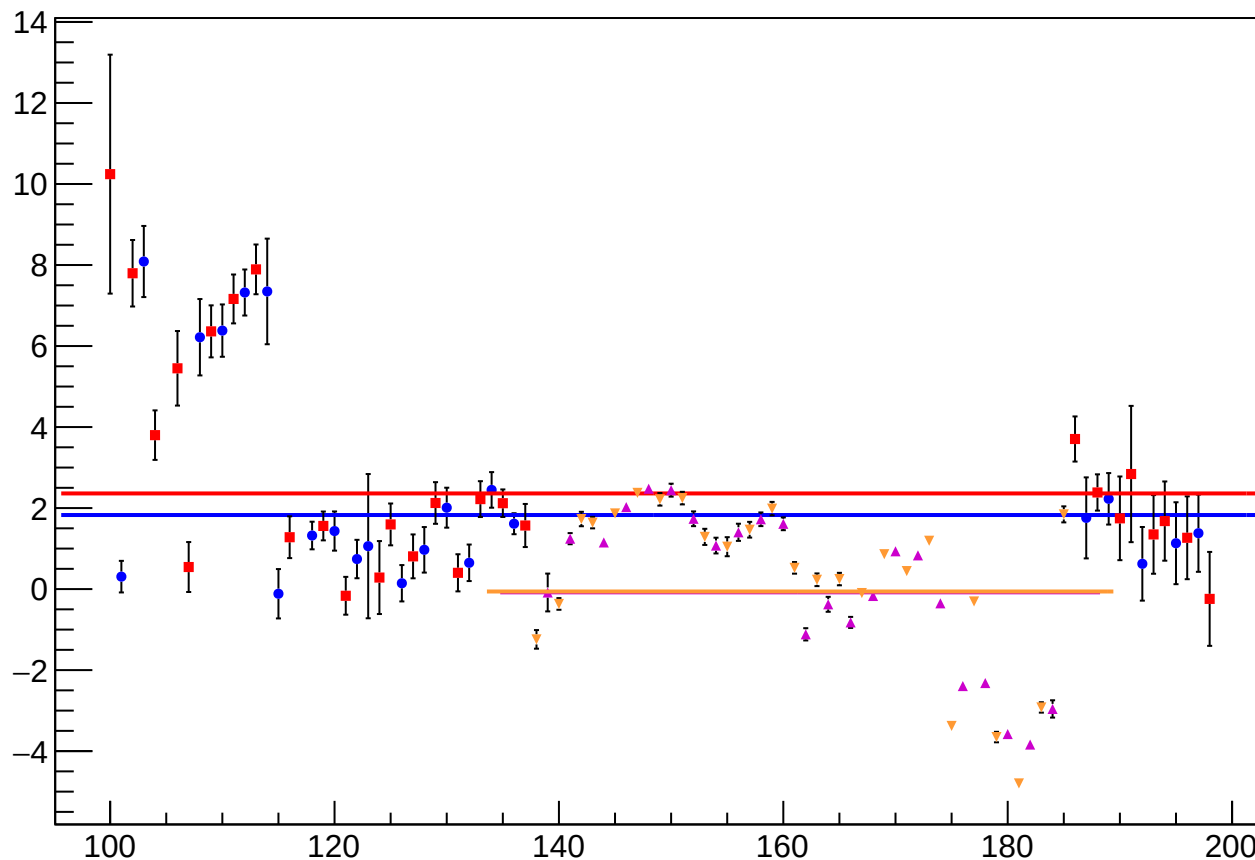
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.712 ± 0.034 $\chi^2/\text{NDF}: 12145.9/29$

All: 7.628 ± 0.024 $\chi^2/\text{NDF}: 23133.6/60$

- sign 7.542 ± 0.035 $\chi^2/\text{NDF}: 10975.5/30$

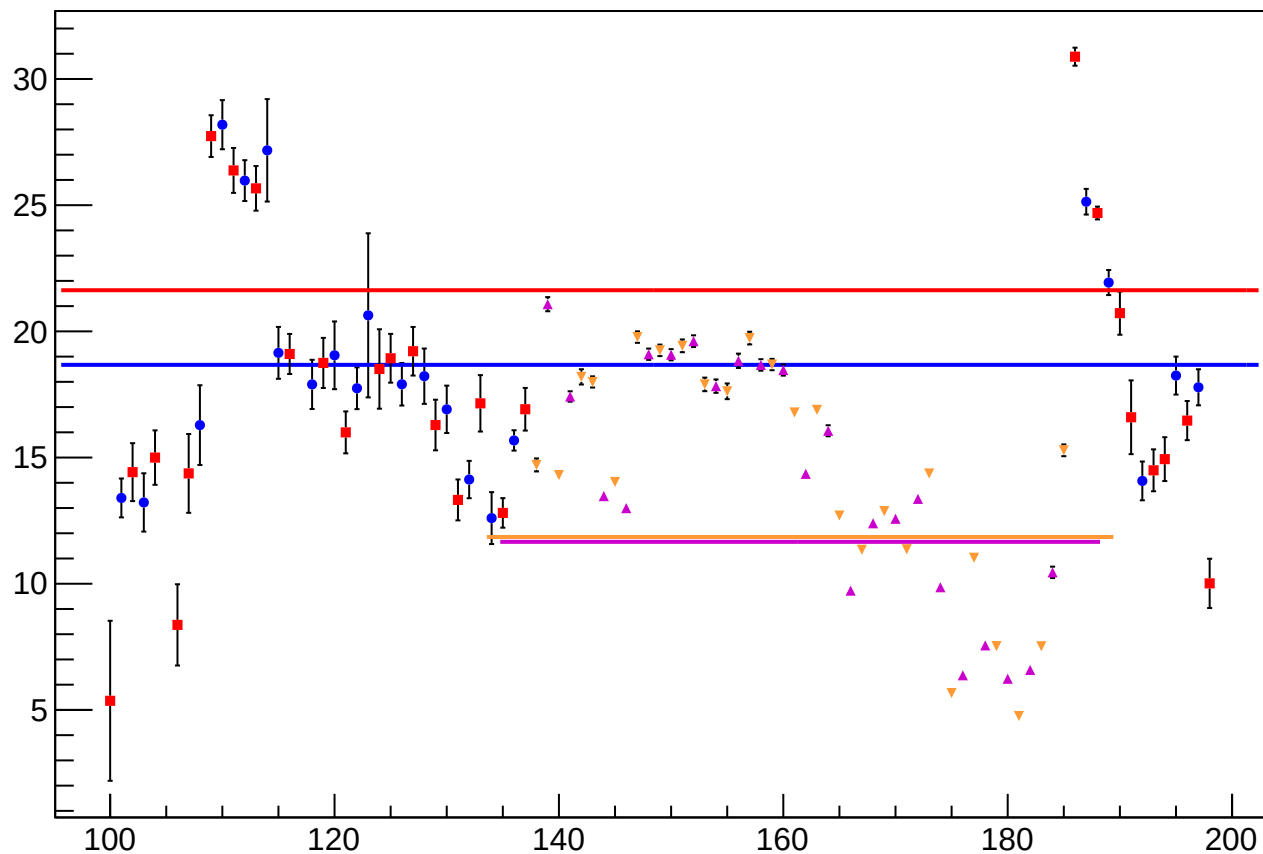
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.829 ± 0.112 χ^2/NDF : 296.1/21
 Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24
 Right Out: 2.361 ± 0.112 χ^2/NDF : 349.6/26
 Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.049 ± 0.027 χ^2/NDF : 6631.7/46
 All: 0.057 ± 0.019 χ^2/NDF : 12407.6/96
 - sign 0.066 ± 0.027 χ^2/NDF : 5775.7/49

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.673 $\pm$ 0.168 χ^2 /NDF: 643.0/21

Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24

Right Out: 21.630 $\pm$ 0.139 χ^2 /NDF: 1936.7/26

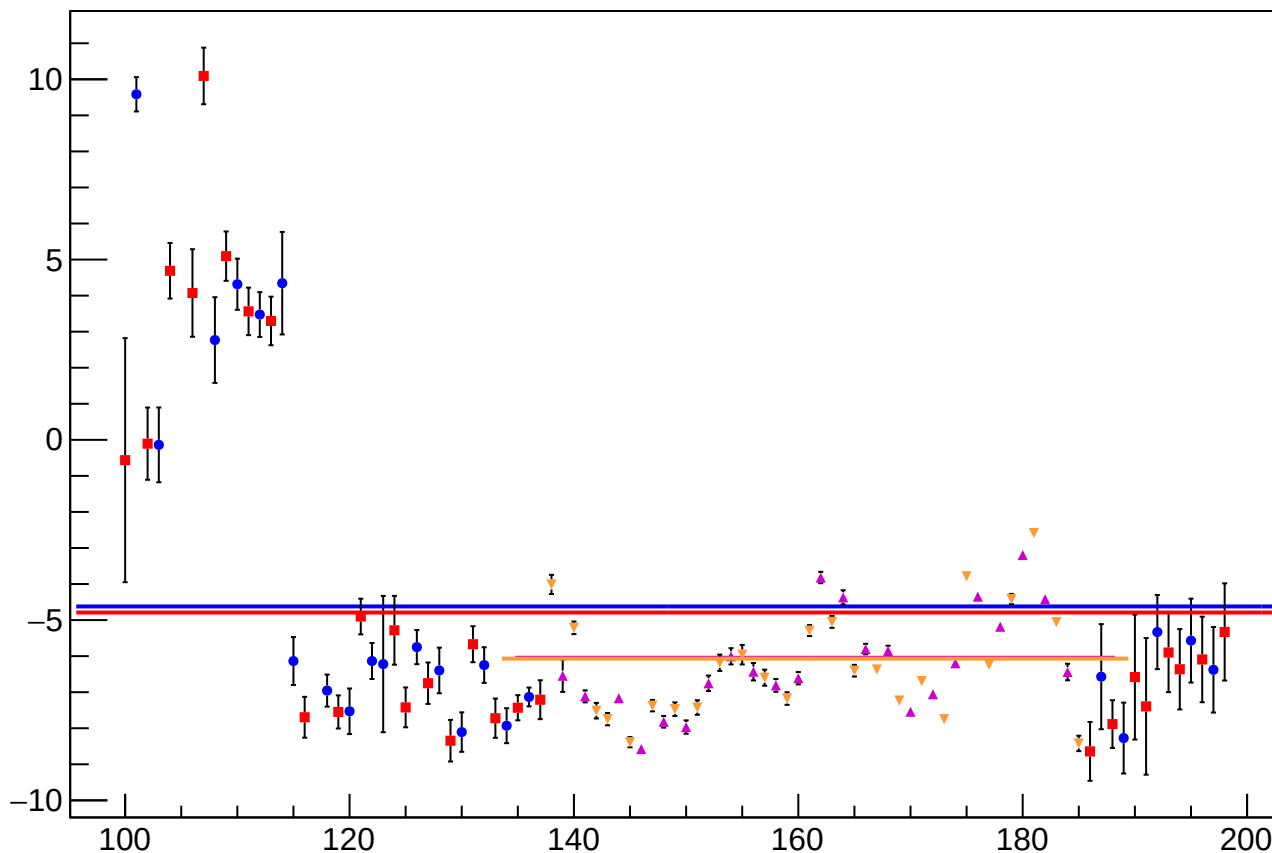
Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.131 $\pm$ 0.034 χ^2 /NDF: 21372.3/46

All: 12.194 $\pm$ 0.024 χ^2 /NDF: 44833.5/96

- sign 12.257 $\pm$ 0.034 χ^2 /NDF: 23454.3/49

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.621 ± 0.126 χ^2/NDF : 1602.7/21

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.790 ± 0.129 χ^2/NDF : 1397.9/26

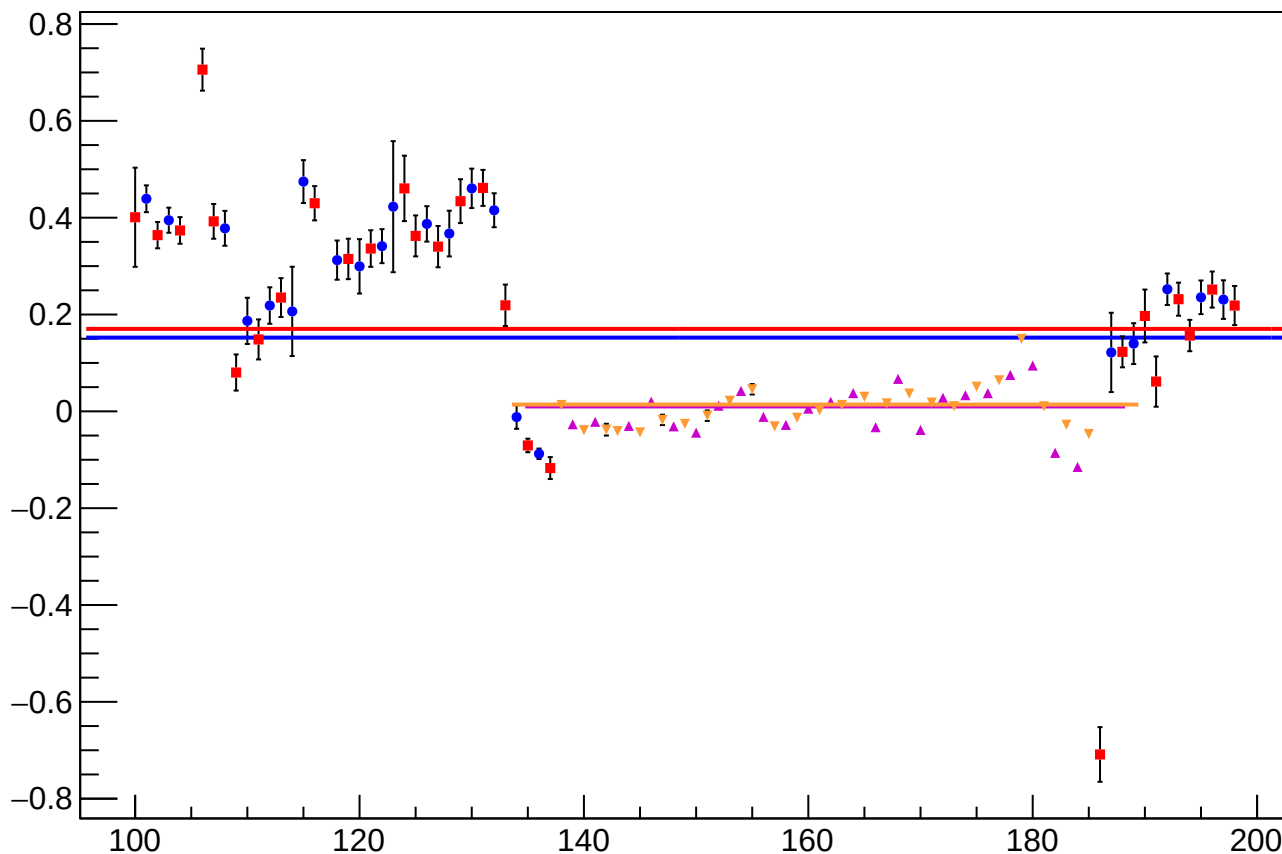
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.986 ± 0.030 χ^2/NDF : 4397.9/46

All: -5.980 ± 0.022 χ^2/NDF : 8179.3/96

- sign -5.973 ± 0.031 χ^2/NDF : 3781.3/49

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.007 χ^2/NDF : 1079.0/21

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.170 ± 0.007 χ^2/NDF : 1260.6/26

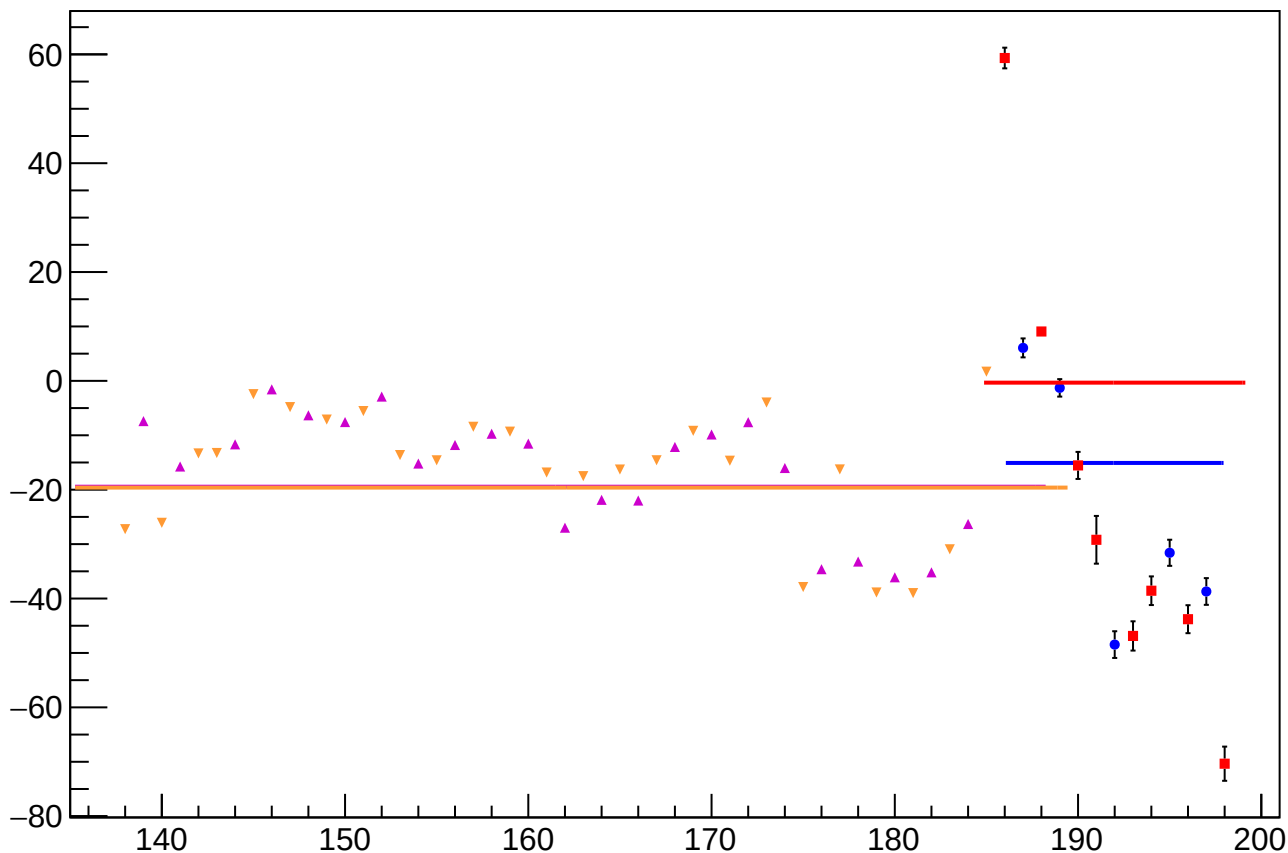
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.020 ± 0.001 χ^2/NDF : 2456.8/46

All: 0.019 ± 0.001 χ^2/NDF : 5506.2/96

- sign 0.018 ± 0.001 χ^2/NDF : 3047.6/49

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -15.082 ± 0.904 χ^2/NDF : 546.1/4

Left Out: -19.612 ± 0.103 χ^2/NDF : 15761.3/24

Right Out: -0.327 ± 0.643 χ^2/NDF : 2482.2/7

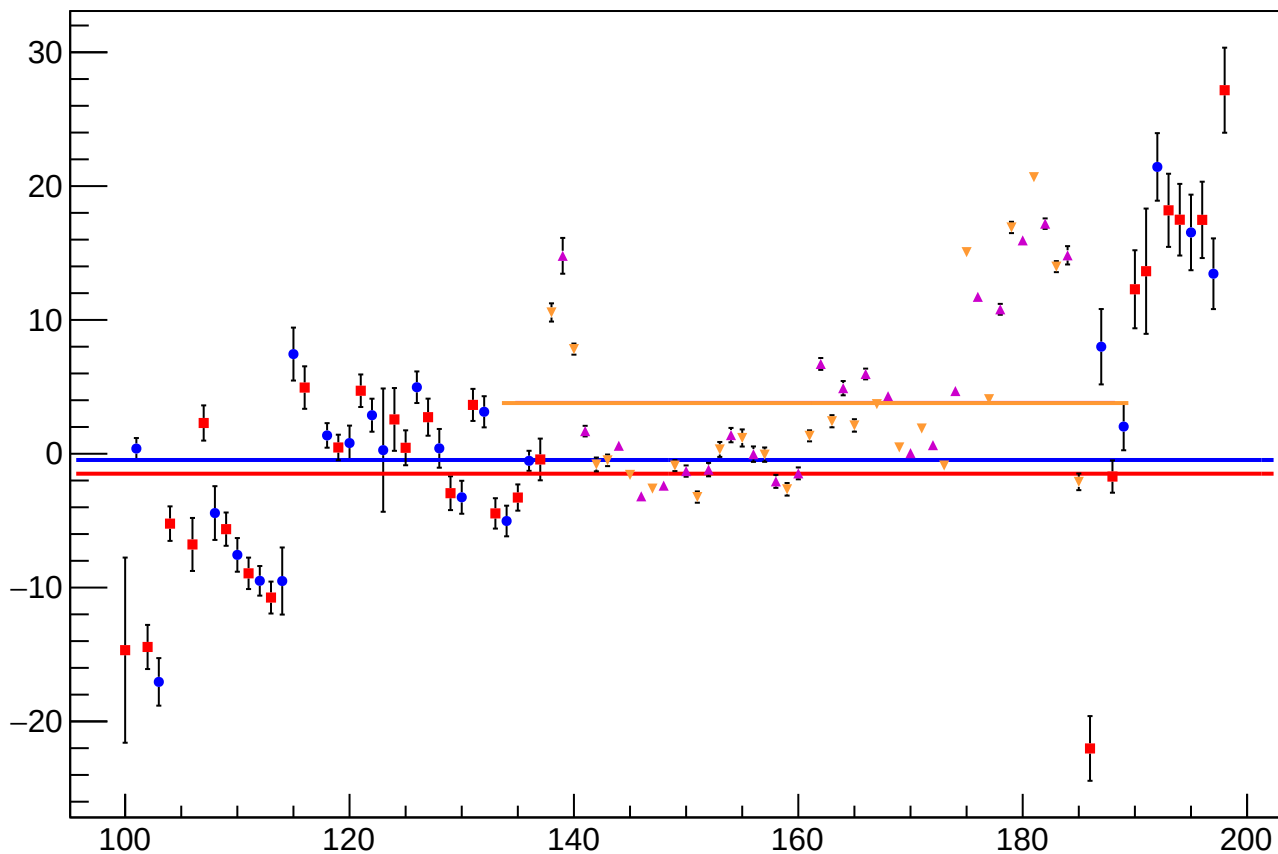
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -19.554 ± 0.103 χ^2/NDF : 16332.1/29

All: -19.257 ± 0.073 χ^2/NDF : 31975.0/60

- sign -18.953 ± 0.104 χ^2/NDF : 15626.0/30

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.466 ± 0.282 $\chi^2/\text{NDF}: 434.5/21$

Left Out: 3.788 ± 0.082 $\chi^2/\text{NDF}: 7150.5/24$

Right Out: -1.490 ± 0.284 $\chi^2/\text{NDF}: 624.6/26$

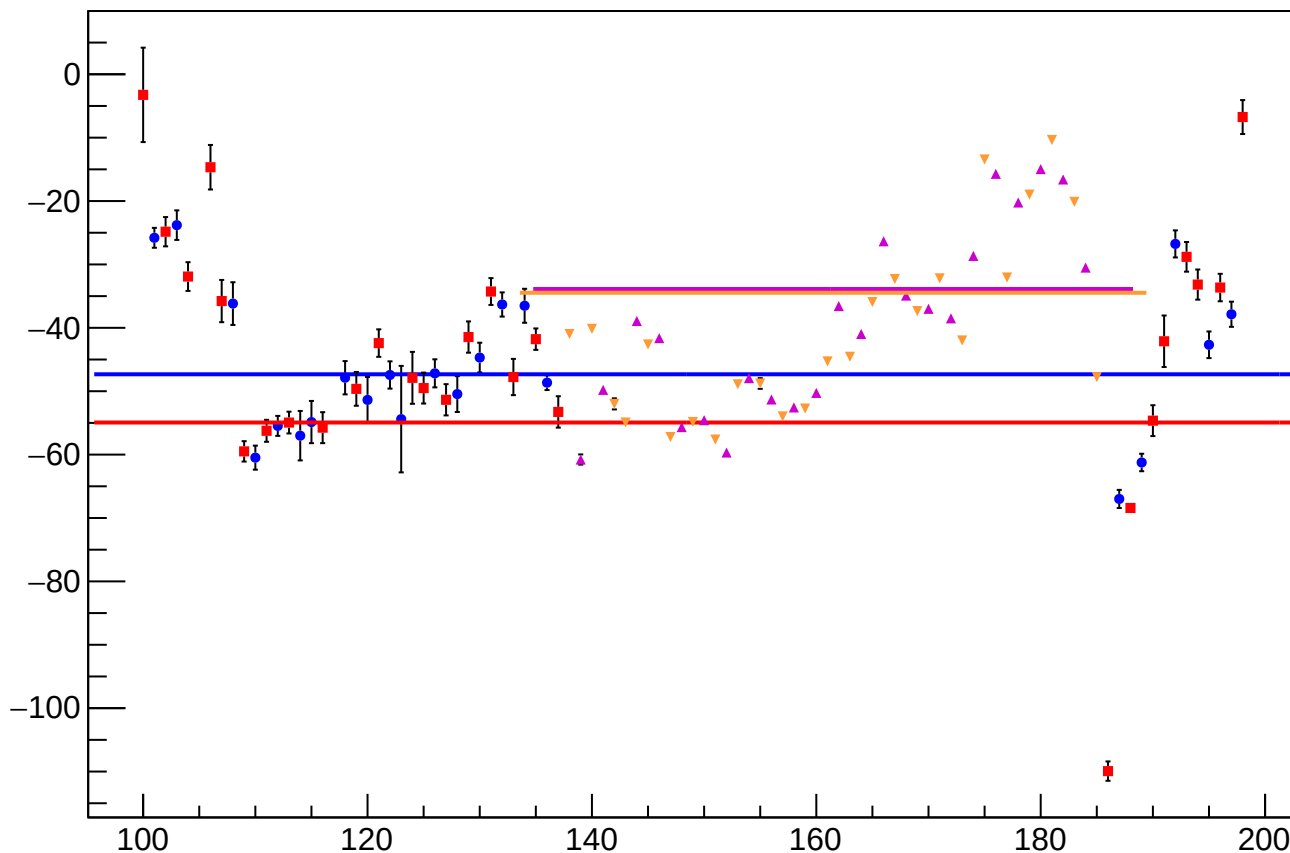
Left In: 3.799 ± 0.084 $\chi^2/\text{NDF}: 5517.0/22$

+ sign 3.457 ± 0.079 $\chi^2/\text{NDF}: 7794.1/46$

All: 3.417 ± 0.056 $\chi^2/\text{NDF}: 14256.1/96$

- sign 3.376 ± 0.080 $\chi^2/\text{NDF}: 6461.4/49$

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -47.329 ± 0.433 χ^2/NDF : 853.5/21

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -54.939 ± 0.376 χ^2/NDF : 3057.5/26

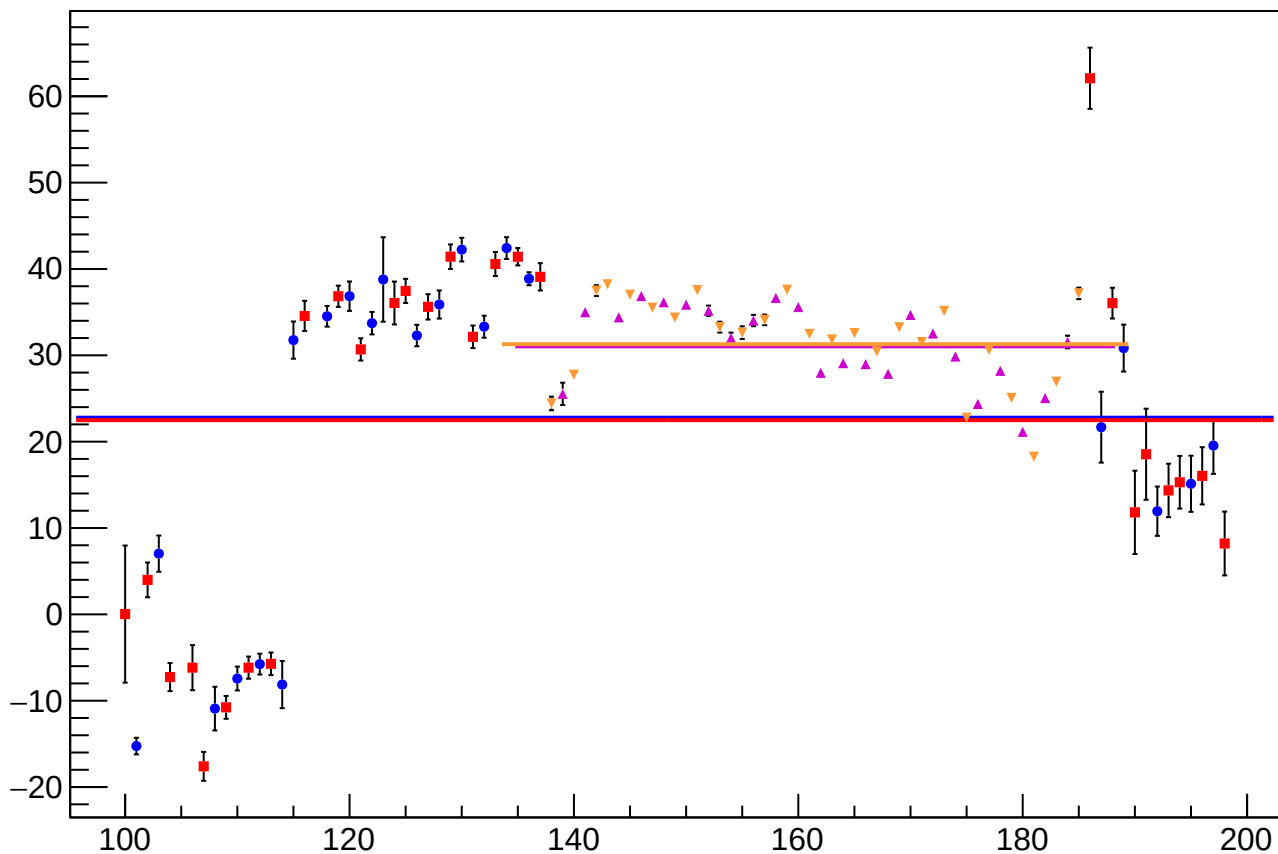
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.172 ± 0.101 χ^2/NDF : 21884.5/46

All: -35.289 ± 0.072 χ^2/NDF : 45493.2/96

- sign -35.406 ± 0.101 χ^2/NDF : 23606.0/49

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.774 $\pm$ 0.320 χ^2 /NDF: 4347.1/21

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.493 $\pm$ 0.325 χ^2 /NDF: 4250.9/26

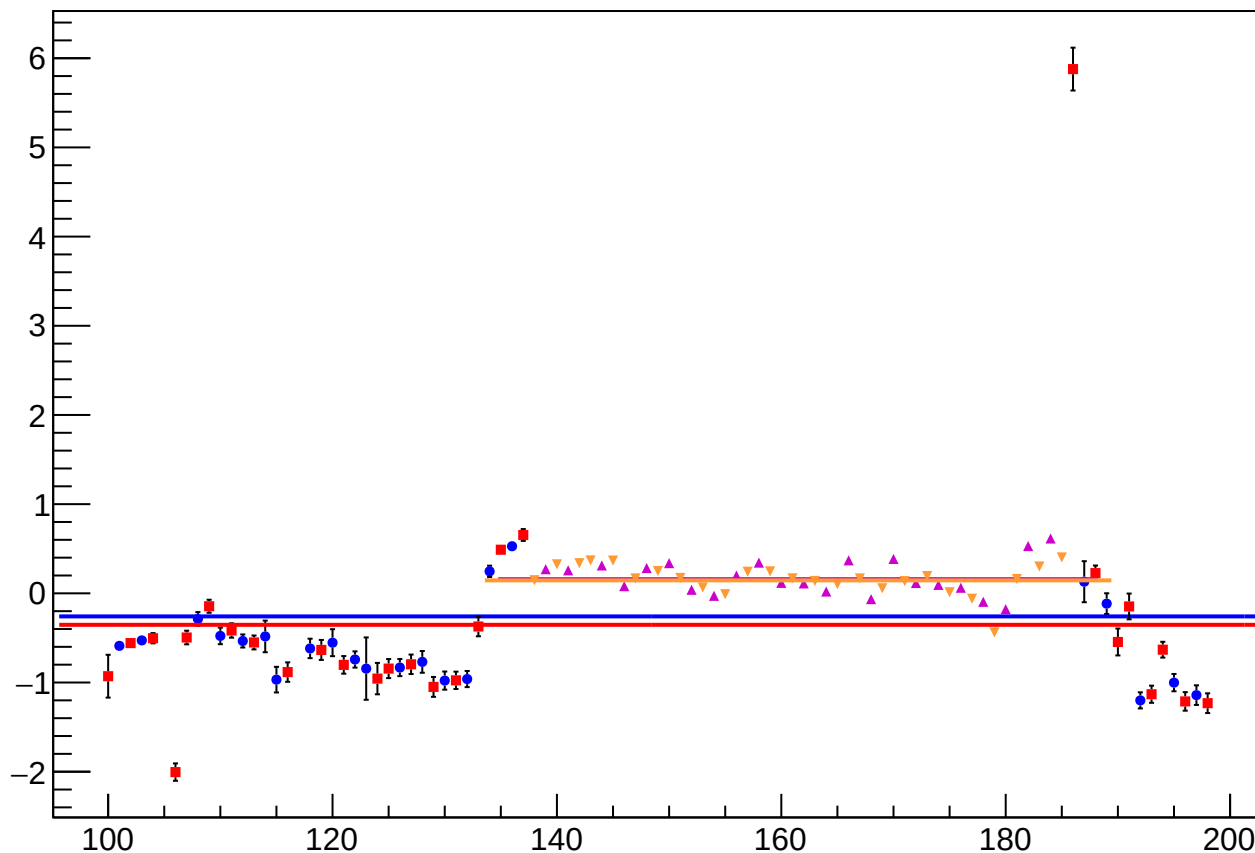
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.631 $\pm$ 0.089 χ^2 /NDF: 8345.9/46

All: 30.506 $\pm$ 0.063 χ^2 /NDF: 15719.2/96

- sign 30.377 $\pm$ 0.090 χ^2 /NDF: 7369.2/49

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.259 ± 0.017 χ^2/NDF : 1250.9/21

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.353 ± 0.017 χ^2/NDF : 2105.5/26

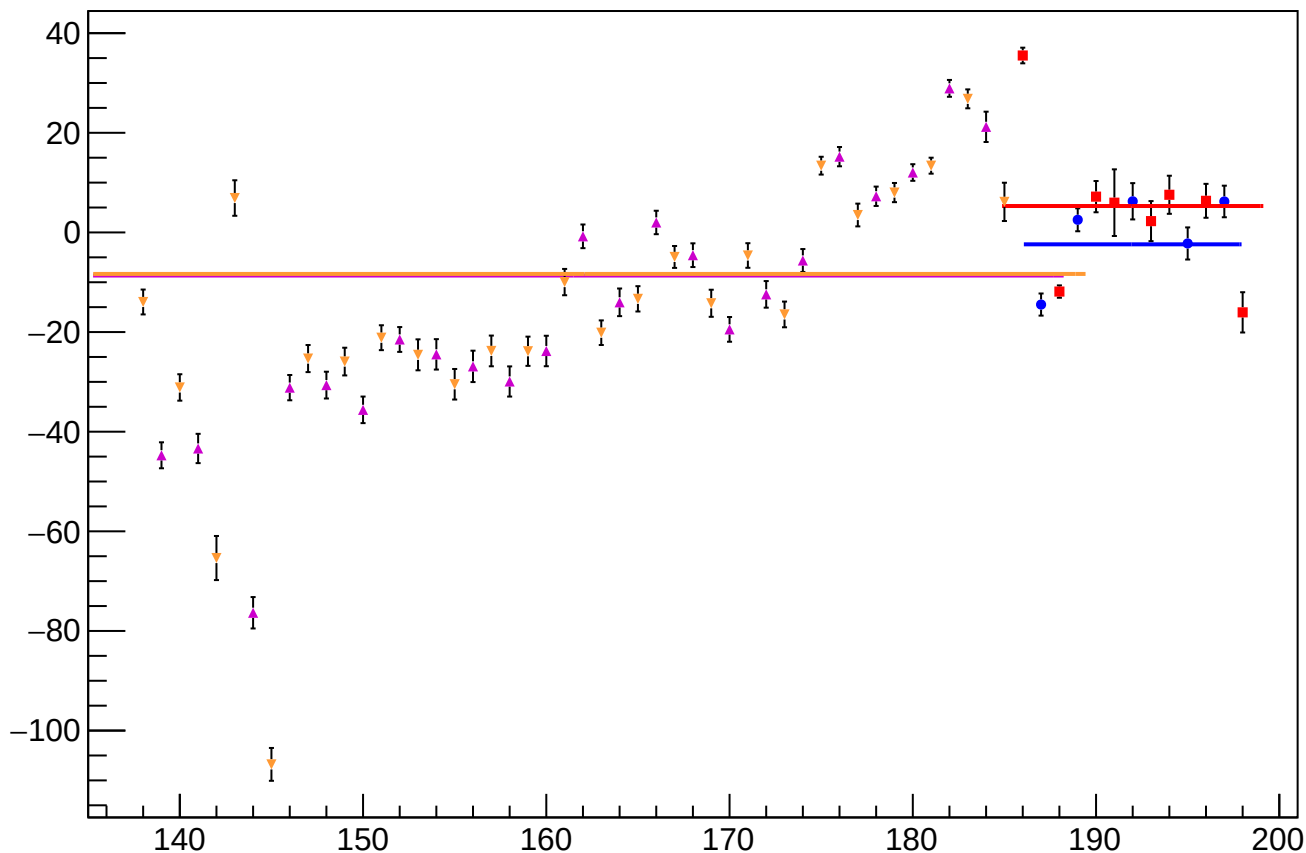
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.121 ± 0.004 χ^2/NDF : 3377.8/46

All: 0.124 ± 0.003 χ^2/NDF : 8393.7/96

- sign 0.126 ± 0.004 χ^2/NDF : 5015.2/49

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -2.388 $\pm$ 1.228 χ^2 /NDF: 47.2/4

Left Out: -8.332 $\pm$ 0.500 χ^2 /NDF: 2226.2/24

Right Out: 5.303 $\pm$ 0.828 χ^2 /NDF: 591.2/7

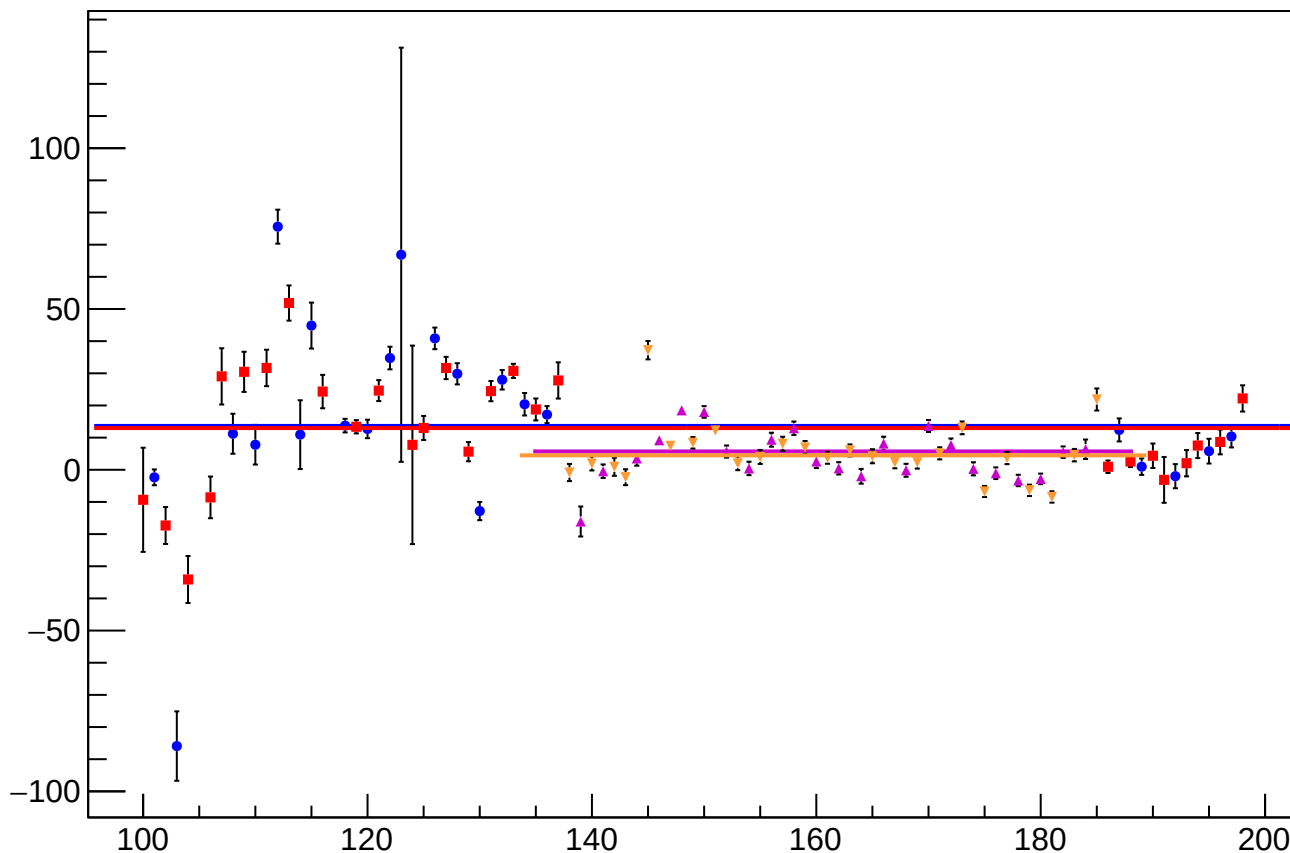
Left In: -8.652 $\pm$ 0.507 χ^2 /NDF: 2223.8/22

+ sign -7.488 $\pm$ 0.463 χ^2 /NDF: 2293.5/29

All: -6.077 $\pm$ 0.316 χ^2 /NDF: 5332.5/60

- sign -4.844 $\pm$ 0.432 χ^2 /NDF: 3021.6/30

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 13.635 $\pm$ 0.744 χ^2 /NDF: 573.6/21

Left Out: 4.484 $\pm$ 0.392 χ^2 /NDF: 371.9/24

Right Out: 12.971 $\pm$ 0.677 χ^2 /NDF: 396.6/26

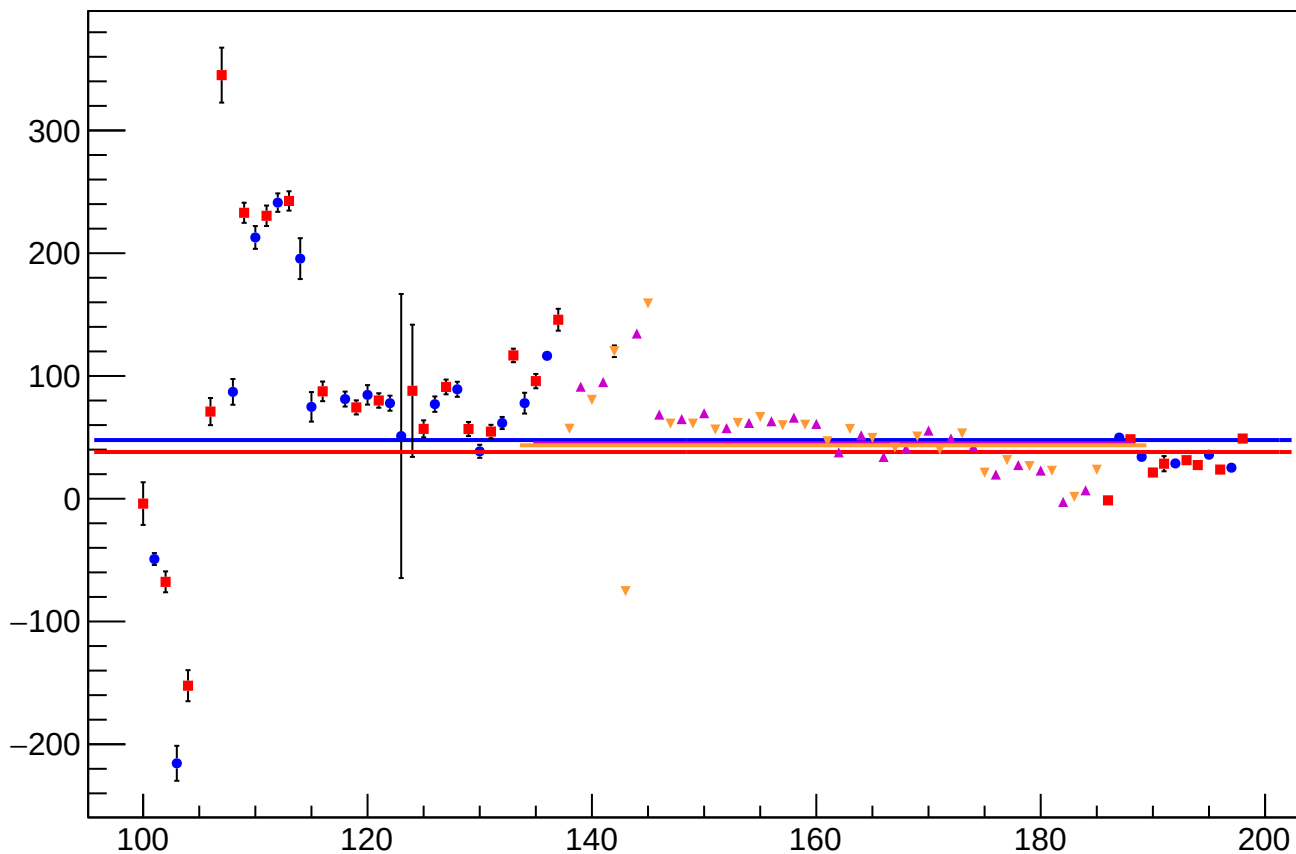
Left In: 5.705 $\pm$ 0.404 χ^2 /NDF: 324.1/22

+ sign 6.475 $\pm$ 0.347 χ^2 /NDF: 1063.9/46

All: 7.044 $\pm$ 0.245 χ^2 /NDF: 1874.8/96

- sign 7.614 $\pm$ 0.347 χ^2 /NDF: 805.5/49

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 47.793 $\pm$ 0.872 χ^2 /NDF: 2446.4/21

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF: 3830.7/24

Right Out: 38.057 $\pm$ 0.634 χ^2 /NDF: 4205.7/26

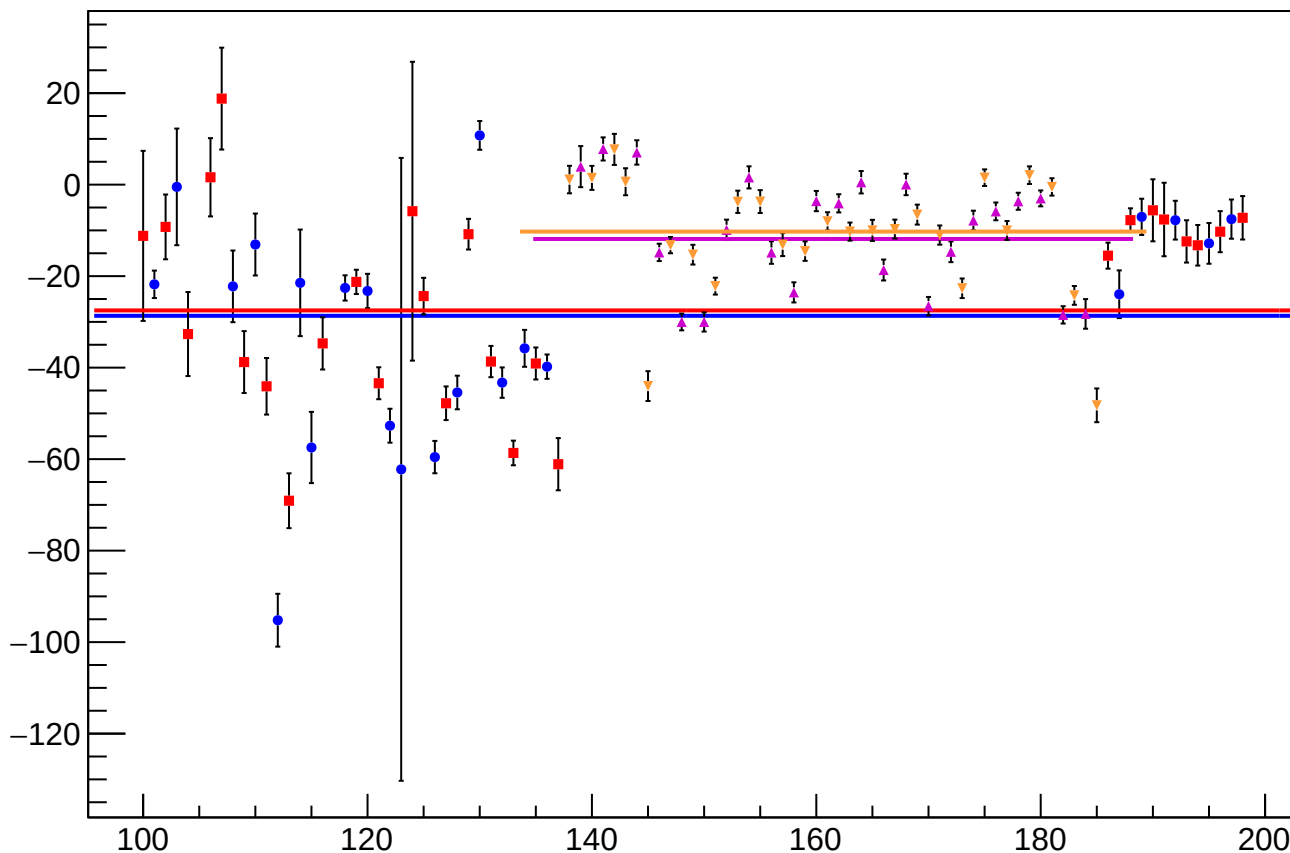
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

+ sign 44.576 $\pm$ 0.433 χ^2 /NDF: 6295.1/46

All: 43.411 $\pm$ 0.292 χ^2 /NDF: 13640.6/96

- sign 42.441 $\pm$ 0.395 χ^2 /NDF: 7332.1/49

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -28.669 ± 0.879 χ^2/NDF : 598.4/21

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -27.494 ± 0.830 χ^2/NDF : 515.9/26

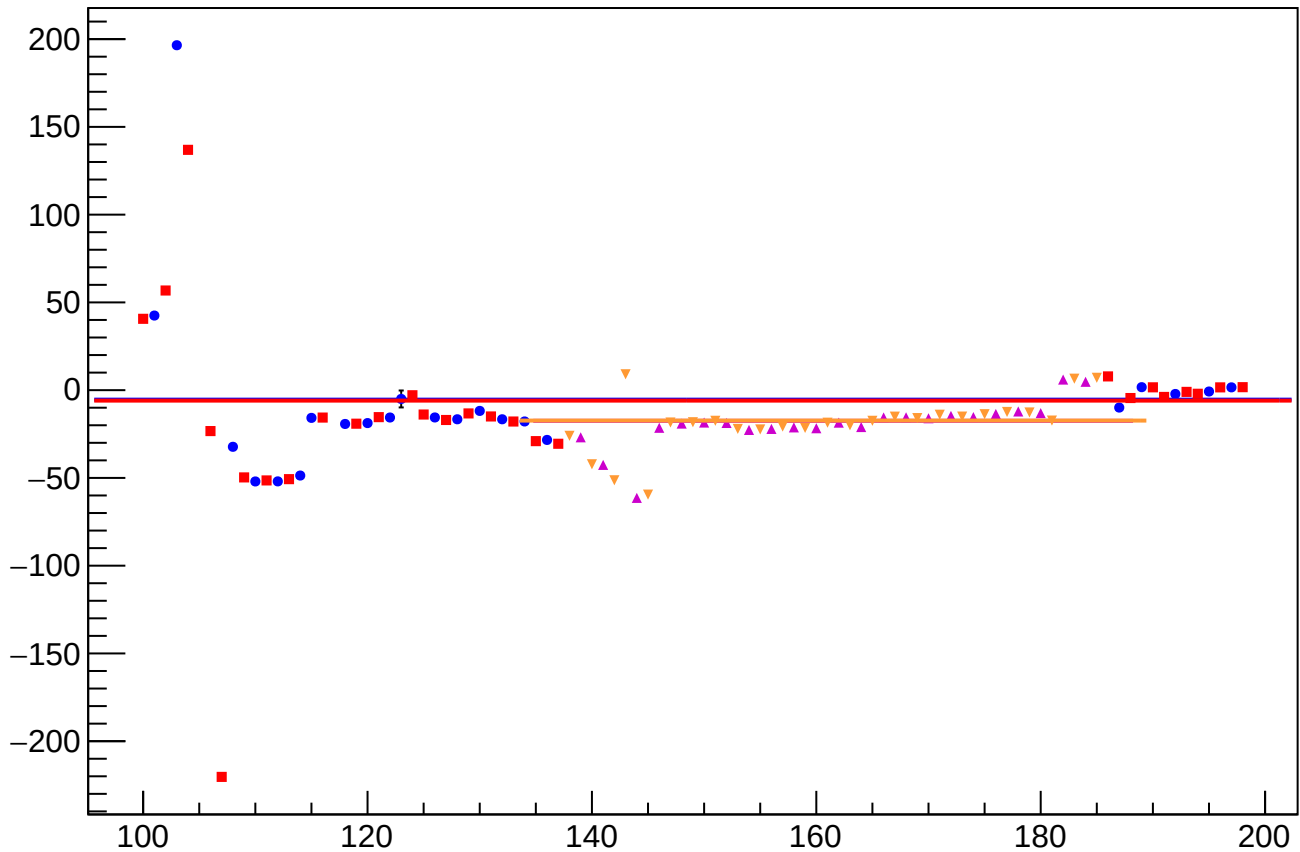
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -14.004 ± 0.396 χ^2/NDF : 1500.4/46

All: -14.745 ± 0.281 χ^2/NDF : 2961.5/96

- sign -15.499 ± 0.400 χ^2/NDF : 1454.1/49

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -5.407 $\pm$ 0.045 χ^2 /NDF: 584311.5/21

Left Out: -17.333 $\pm$ 0.020 χ^2 /NDF: 325197.2/24

Right Out: -5.950 $\pm$ 0.041 χ^2 /NDF: 585416.5/26

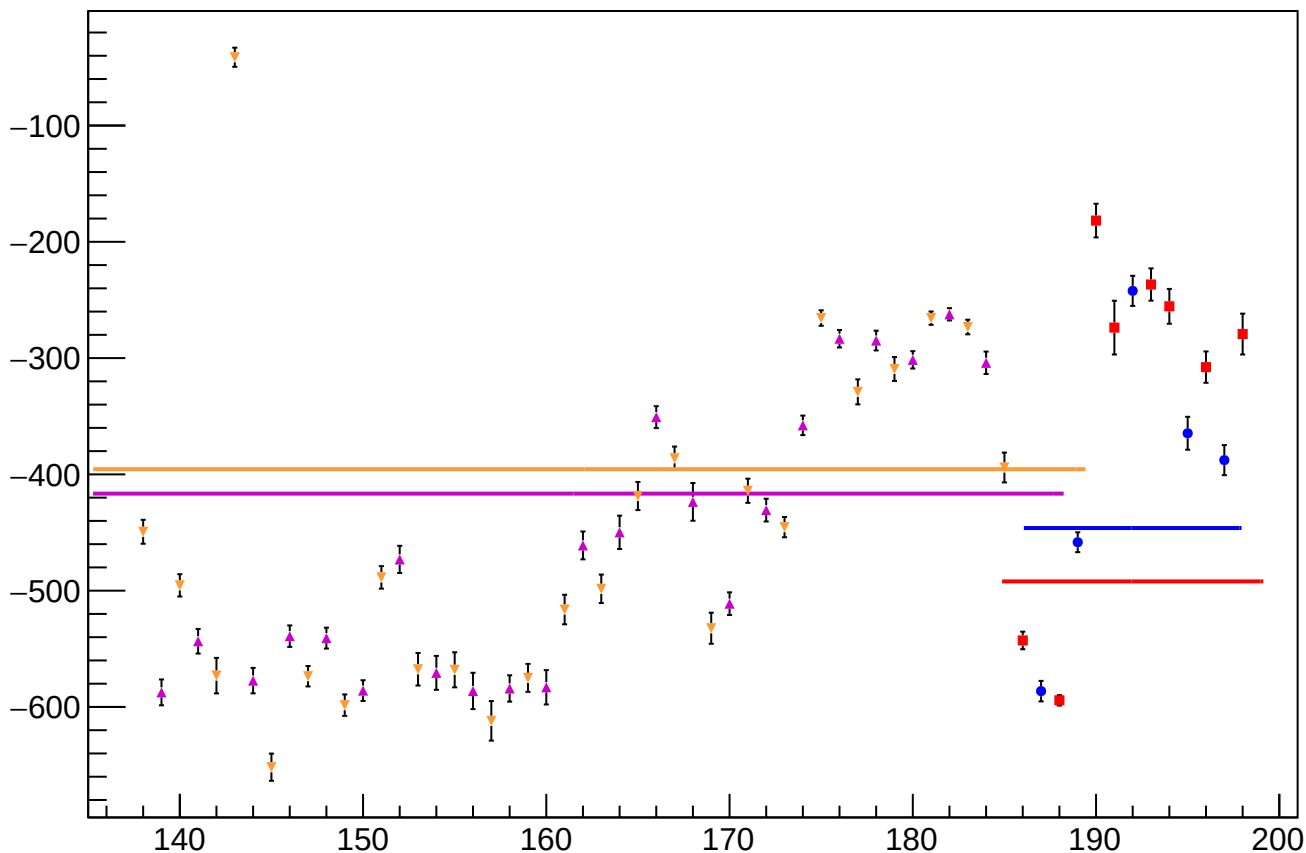
Left In: -17.491 $\pm$ 0.021 χ^2 /NDF: 259215.8/22

+ sign -15.331 $\pm$ 0.019 χ^2 /NDF: 966874.6/46

All: -15.242 $\pm$ 0.013 χ^2 /NDF: 1874640.7/96

- sign -15.154 $\pm$ 0.018 χ^2 /NDF: 907720.7/49

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -446.127 ± 4.791 χ^2/NDF : 556.7/4

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -492.054 ± 3.292 χ^2/NDF : 2035.3/7

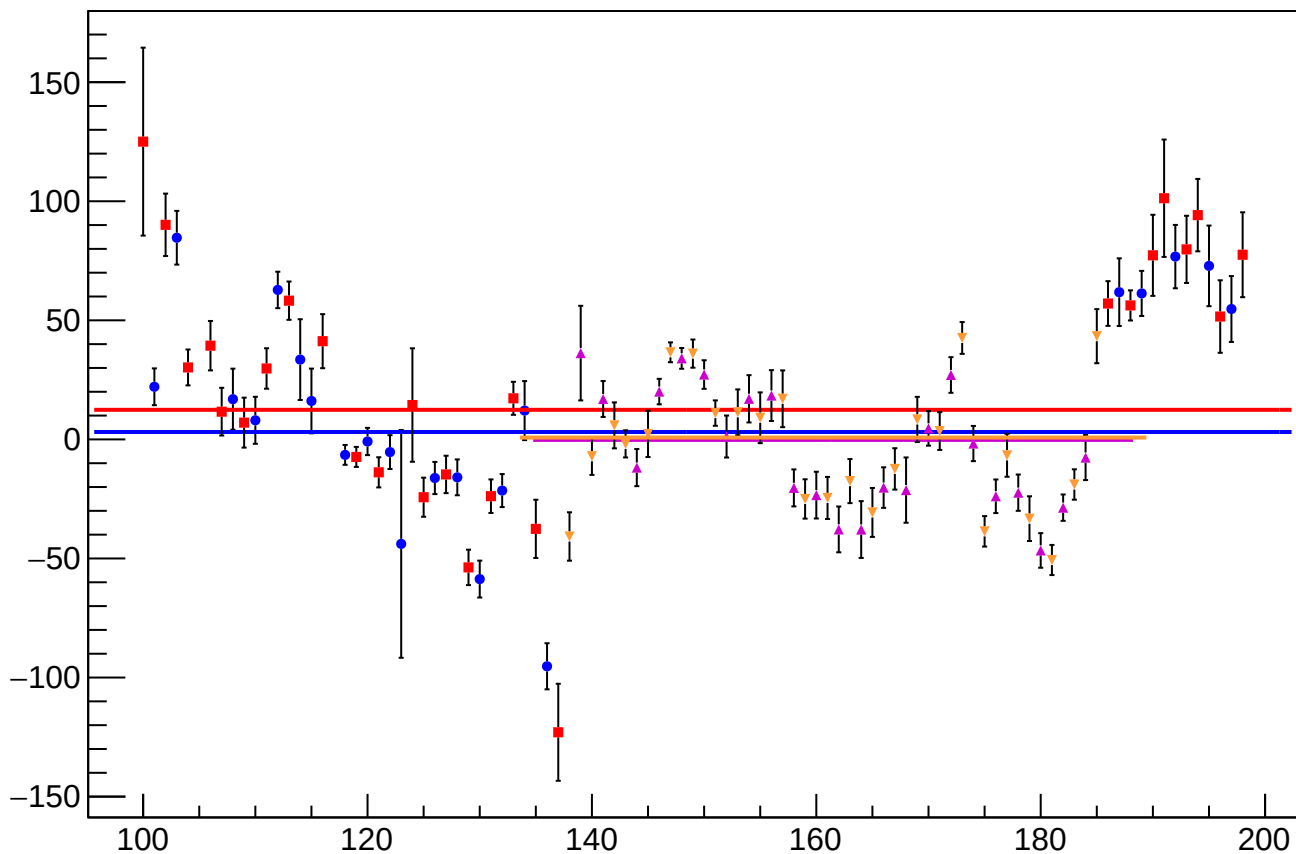
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -402.757 ± 1.809 χ^2/NDF : 6598.9/29

All: -420.795 ± 1.243 χ^2/NDF : 13123.7/60

- sign -436.956 ± 1.712 χ^2/NDF : 6336.3/30

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 3.114 ± 1.826 $\chi^2/\text{NDF}: 443.7/21$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 12.420 ± 1.740 $\chi^2/\text{NDF}: 507.1/26$

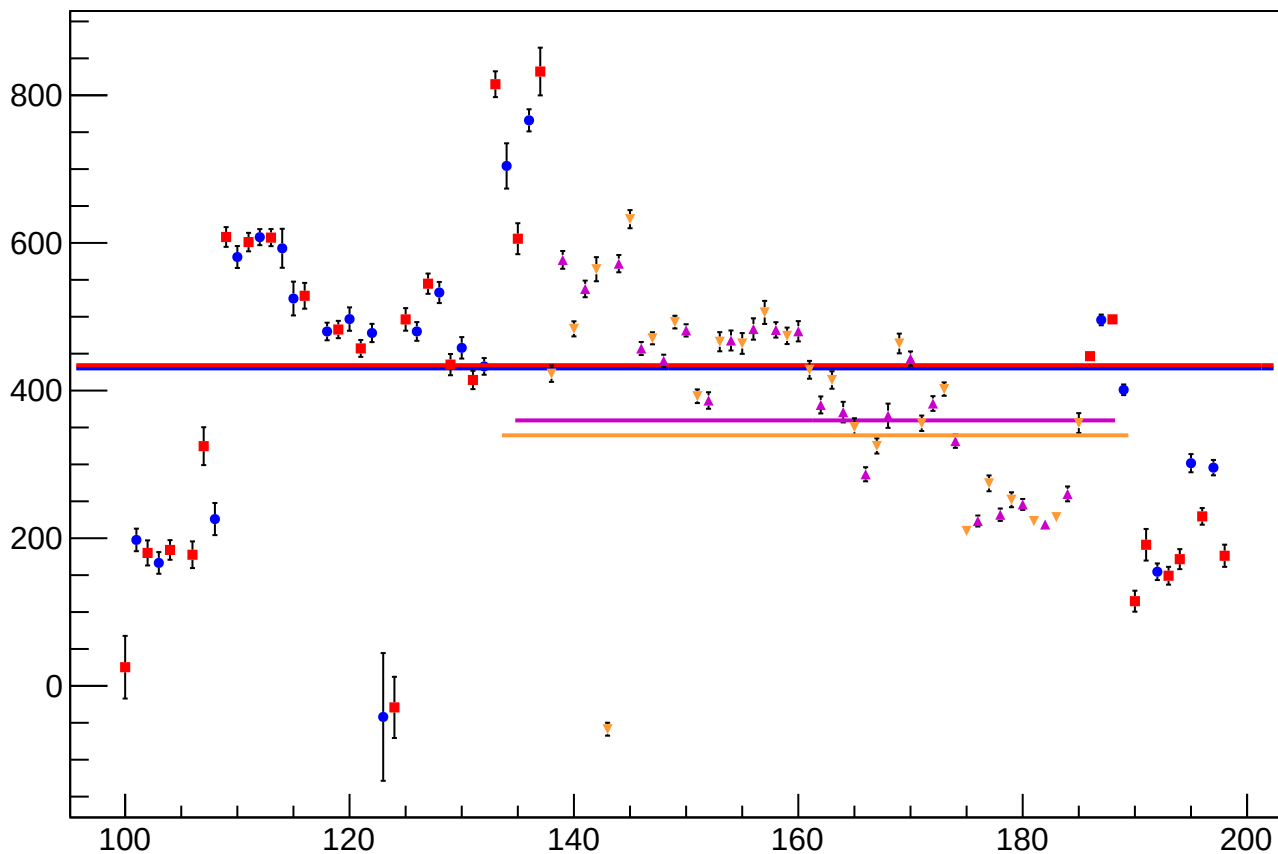
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 1.715 ± 1.160 $\chi^2/\text{NDF}: 794.7/46$

All: 3.587 ± 0.823 $\chi^2/\text{NDF}: 1596.8/96$

- sign 5.484 ± 1.168 $\chi^2/\text{NDF}: 796.9/49$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 430.049 ± 2.709 $\chi^2/\text{NDF}: 2771.2/21$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 434.379 ± 2.153 $\chi^2/\text{NDF}: 4901.7/26$

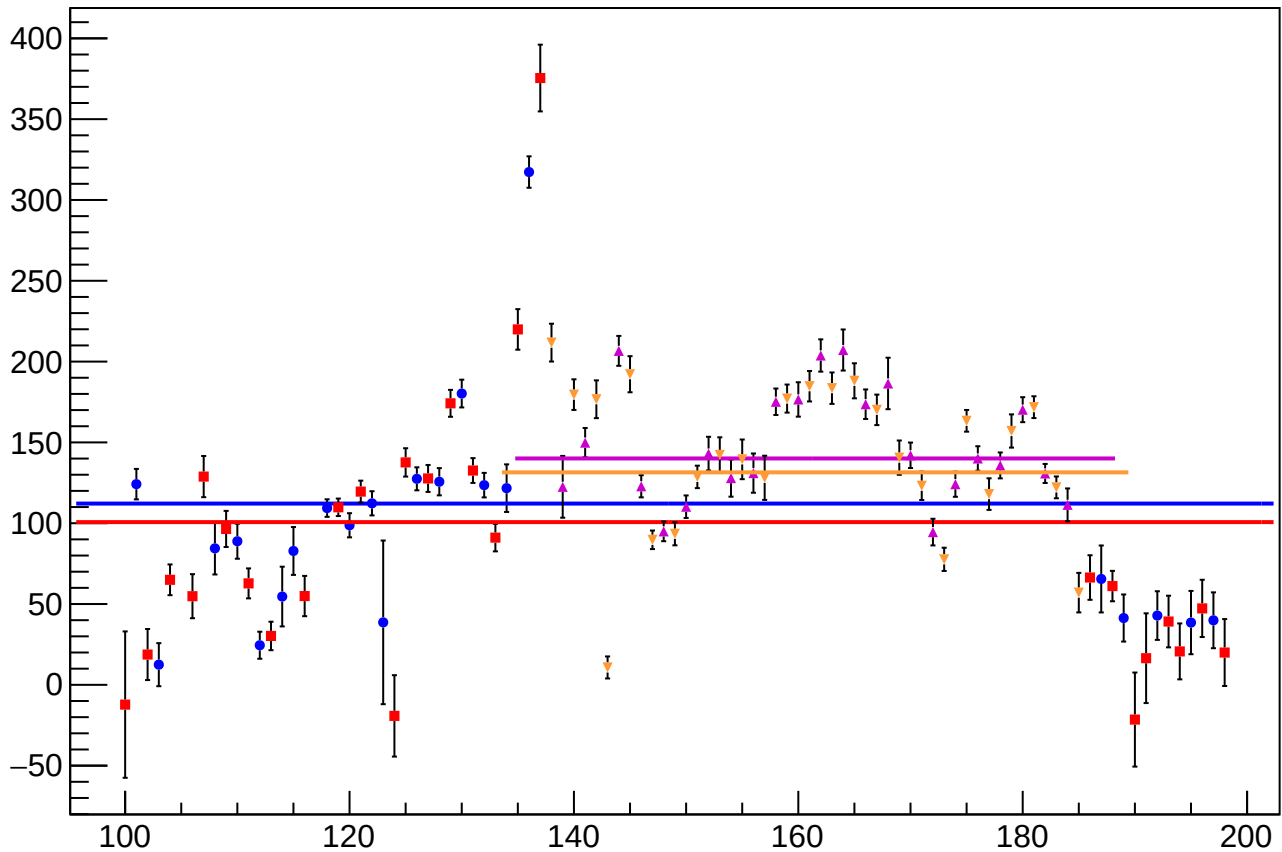
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 370.574 ± 1.589 $\chi^2/\text{NDF}: 9008.8/46$

All: 383.383 ± 1.078 $\chi^2/\text{NDF}: 18075.8/96$

- sign 394.288 ± 1.466 $\chi^2/\text{NDF}: 8946.7/49$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 112.153 ± 2.140 $\chi^2/\text{NDF}: 793.5/21$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 100.678 ± 2.055 $\chi^2/\text{NDF}: 694.2/26$

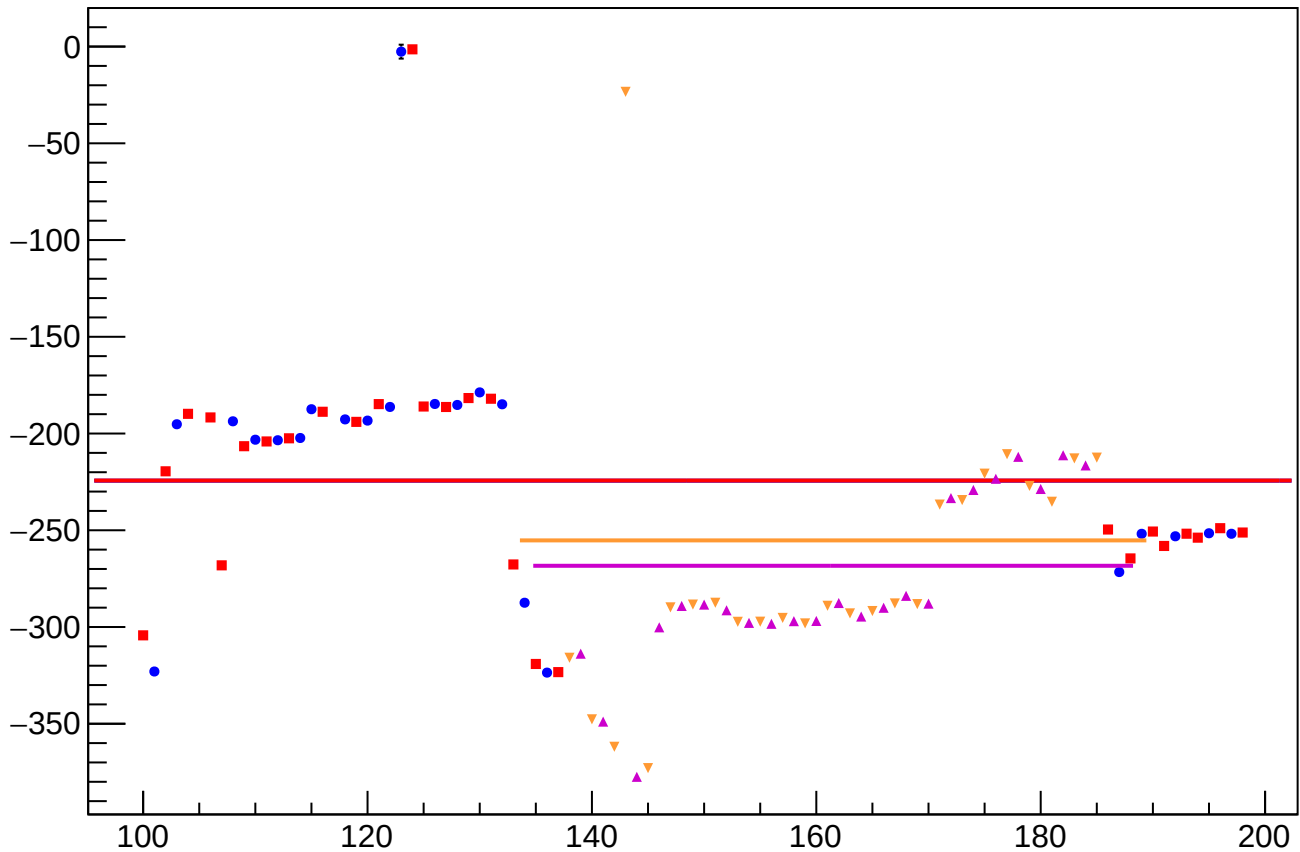
Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 123.844 ± 1.344 $\chi^2/\text{NDF}: 1652.2/46$

All: 123.436 ± 0.953 $\chi^2/\text{NDF}: 2871.5/96$

- sign 123.025 ± 1.352 $\chi^2/\text{NDF}: 1219.1/49$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -224.373 ± 0.122 $\chi^2/\text{NDF}: 160545.9/21$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -224.289 ± 0.111 $\chi^2/\text{NDF}: 144536.1/26$

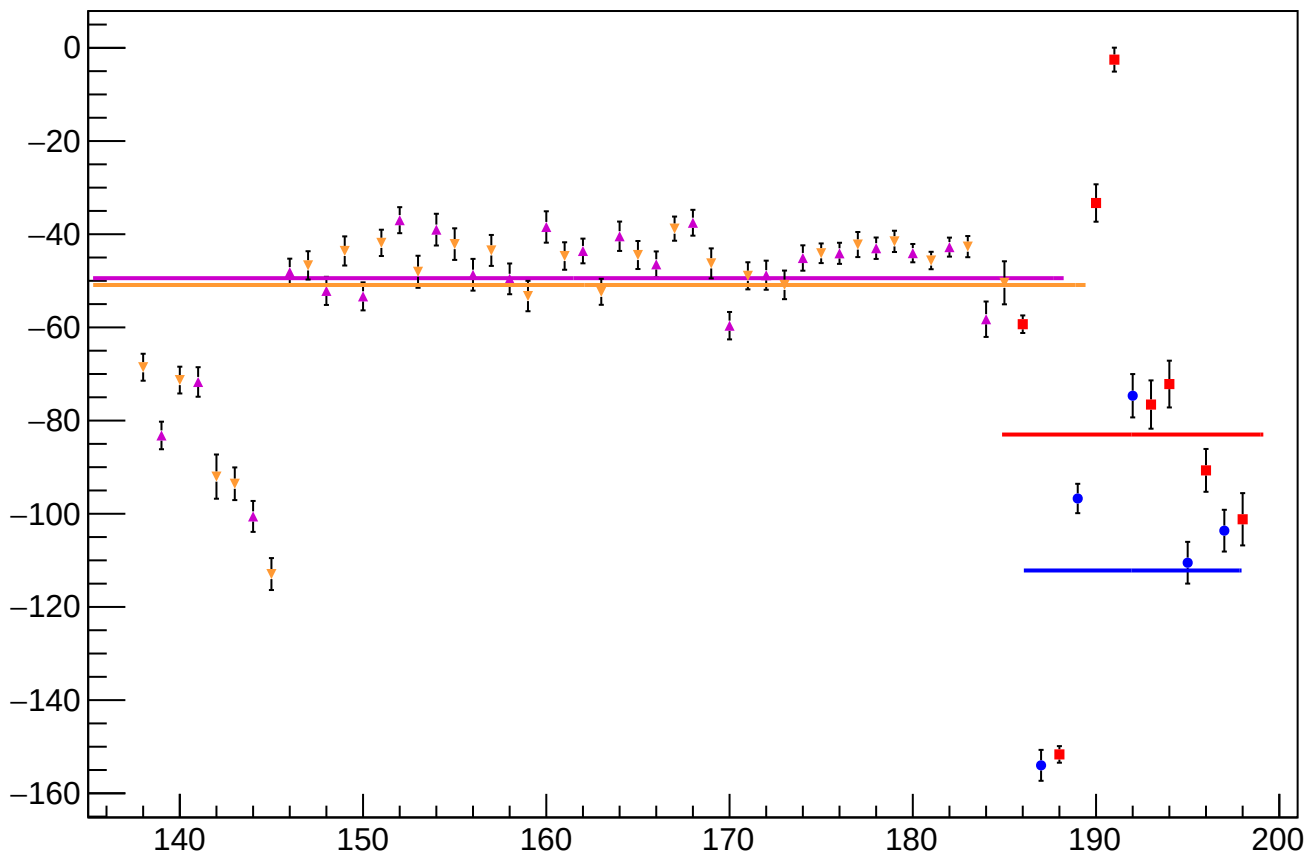
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.683 ± 0.068 $\chi^2/\text{NDF}: 932427.3/46$

All: -249.103 ± 0.048 $\chi^2/\text{NDF}: 1444966.7/96$

- sign -252.391 ± 0.067 $\chi^2/\text{NDF}: 507593.3/49$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -112.174 ± 1.722 $\chi^2/\text{NDF}: 251.7/4$

Left Out: -50.897 ± 0.573 $\chi^2/\text{NDF}: 761.1/24$

Right Out: -82.995 ± 1.017 $\chi^2/\text{NDF}: 2799.1/7$

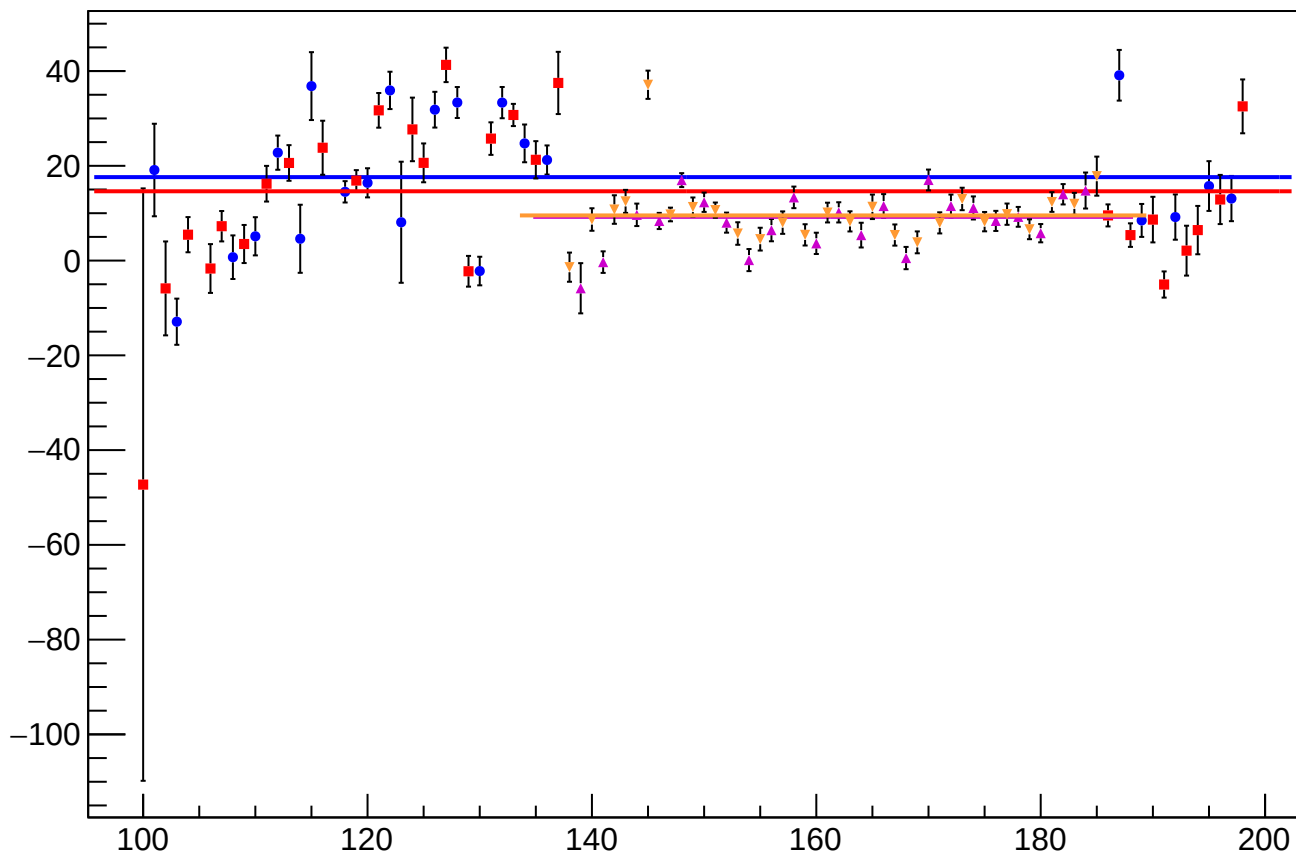
Left In: -49.432 ± 0.584 $\chi^2/\text{NDF}: 543.4/22$

+ sign -57.004 ± 0.543 $\chi^2/\text{NDF}: 2153.6/29$

All: -57.403 ± 0.371 $\chi^2/\text{NDF}: 6315.9/60$

- sign -57.749 ± 0.506 $\chi^2/\text{NDF}: 4161.3/30$

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 17.616 ± 0.837 χ^2/NDF : 234.1/21

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 14.627 ± 0.706 χ^2/NDF : 311.3/26

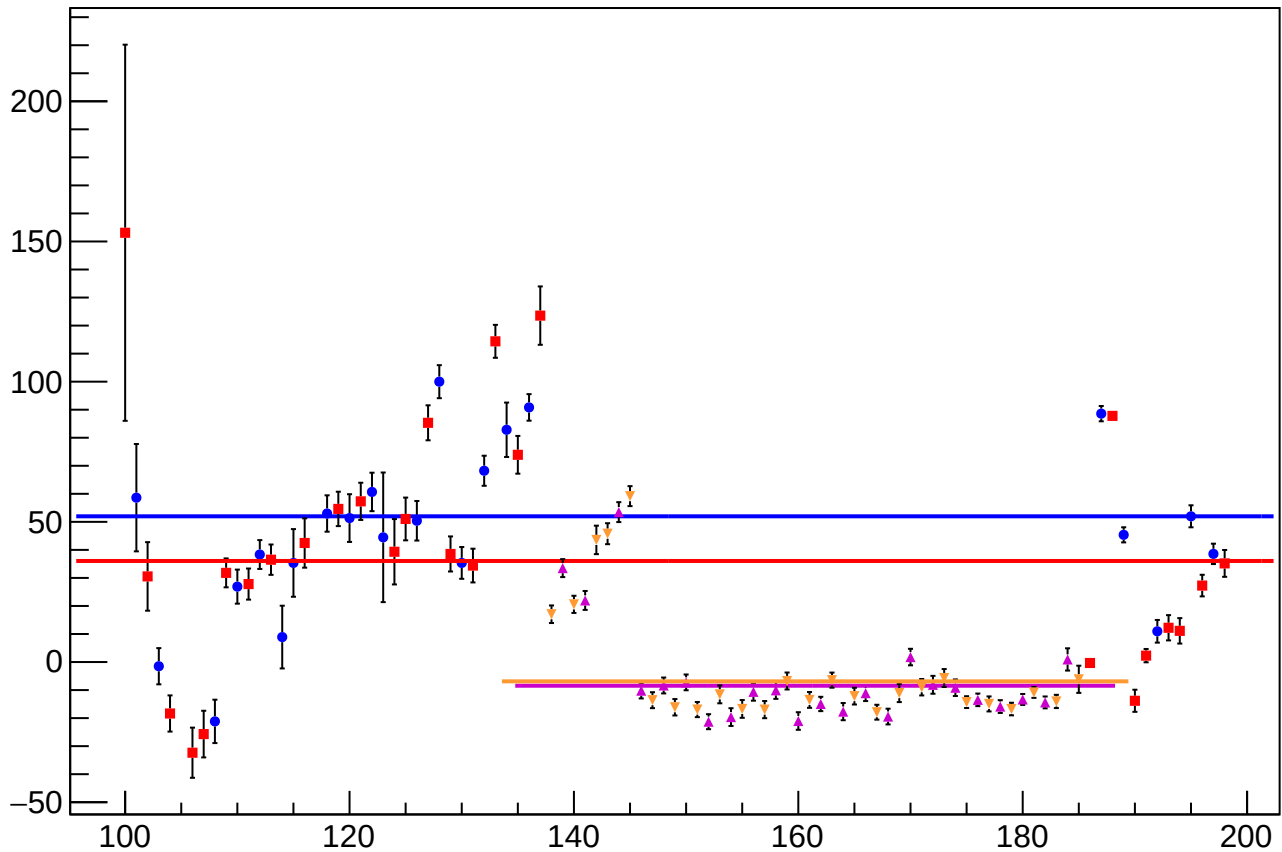
Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

+ sign 11.317 ± 0.394 χ^2/NDF : 441.2/46

All: 11.077 ± 0.276 χ^2/NDF : 918.0/96

- sign 10.846 ± 0.386 χ^2/NDF : 476.1/49

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 51.977 ± 1.099 χ^2/NDF : 665.2/21

Left Out: -6.888 ± 0.571 χ^2/NDF : 914.2/24

Right Out: 36.049 ± 0.753 χ^2/NDF : 2861.4/26

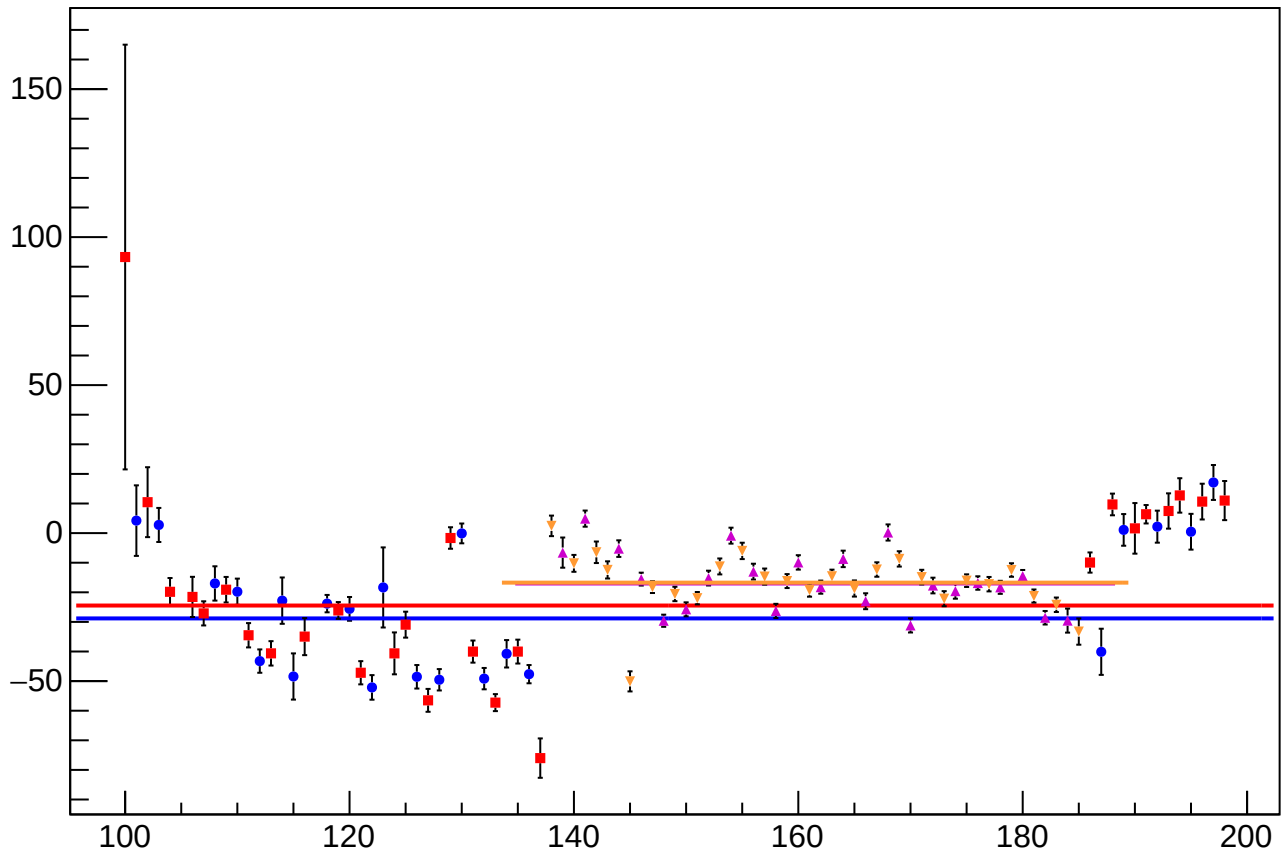
Left In: -8.451 ± 0.580 χ^2/NDF : 688.9/22

+ sign 5.628 ± 0.507 χ^2/NDF : 3839.4/46

All: 6.984 ± 0.340 χ^2/NDF : 9593.6/96

- sign 8.100 ± 0.460 χ^2/NDF : 5741.2/49

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -28.821 ± 0.973 χ^2/NDF : 459.6/21

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -24.468 ± 0.845 χ^2/NDF : 755.7/26

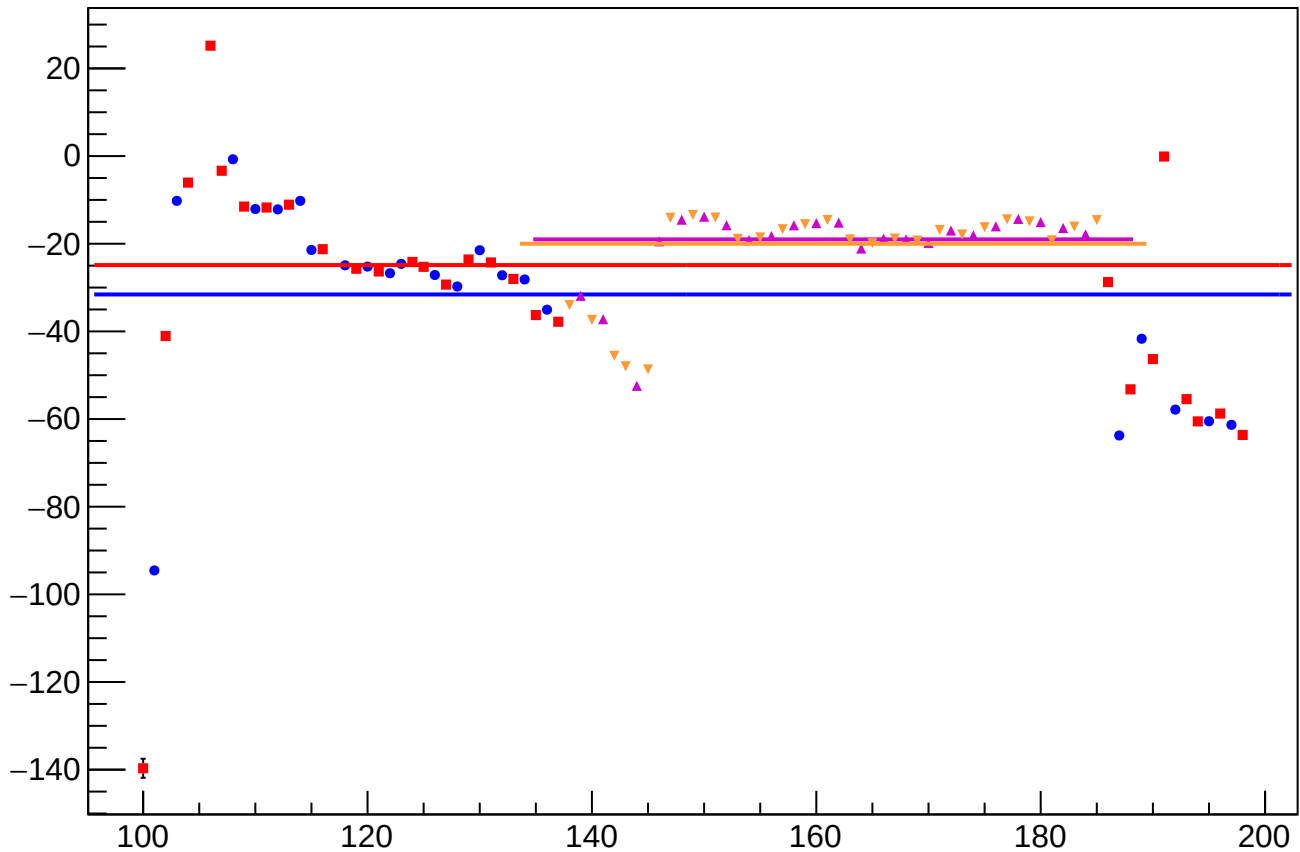
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.313 ± 0.449 χ^2/NDF : 804.3/46

All: -19.194 ± 0.316 χ^2/NDF : 1943.9/96

- sign -19.077 ± 0.444 χ^2/NDF : 1139.5/49

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -31.572 ± 0.050 χ^2/NDF : 157979.4/21

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -24.872 ± 0.040 χ^2/NDF : 352329.5/26

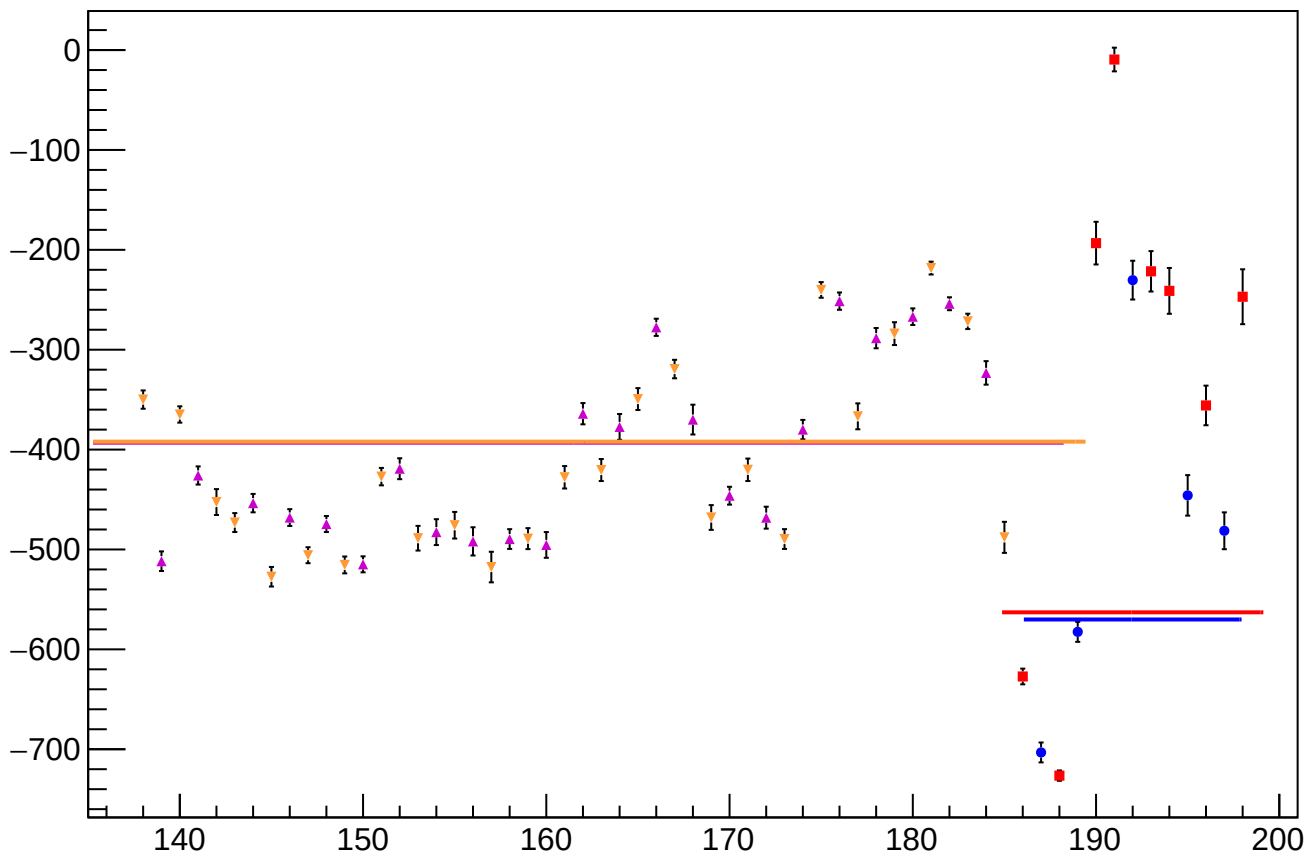
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -22.078 ± 0.021 χ^2/NDF : 347763.0/46

All: -21.273 ± 0.015 χ^2/NDF : 809623.6/96

- sign -20.522 ± 0.020 χ^2/NDF : 459047.7/49

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -570.093 ± 5.967 $\chi^2/\text{NDF}: 547.0/4$

Left Out: -392.054 ± 1.967 $\chi^2/\text{NDF}: 2717.2/24$

Right Out: -562.929 ± 3.753 $\chi^2/\text{NDF}: 4264.4/7$

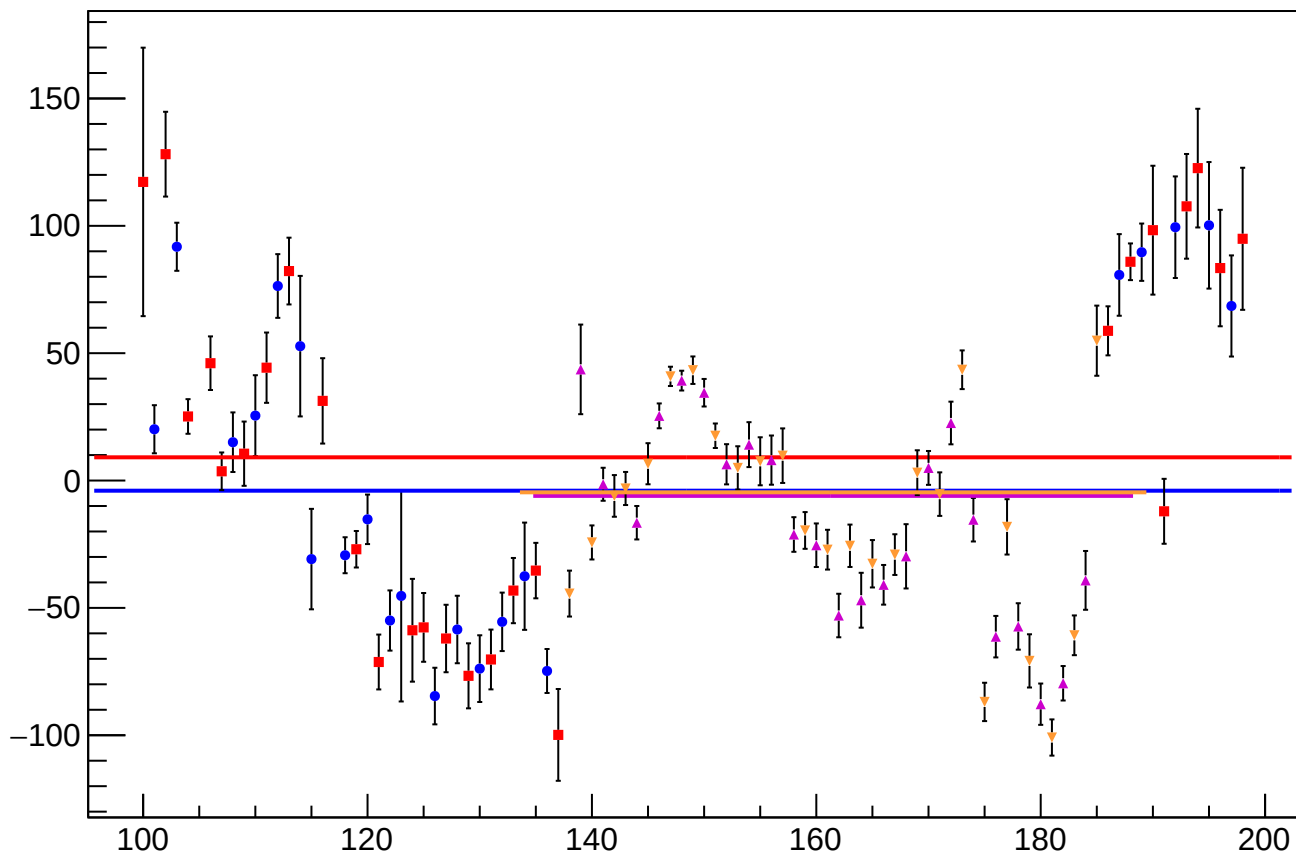
Left In: -393.113 ± 2.006 $\chi^2/\text{NDF}: 2253.3/22$

+ sign -409.500 ± 1.868 $\chi^2/\text{NDF}: 4067.3/29$

All: -420.744 ± 1.284 $\chi^2/\text{NDF}: 12246.0/60$

- sign -430.828 ± 1.769 $\chi^2/\text{NDF}: 8110.0/30$

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -3.988 ± 2.638 χ^2/NDF : 539.7/21

Left Out: -4.624 ± 1.462 χ^2/NDF : 772.9/24

Right Out: 9.117 ± 2.283 χ^2/NDF : 641.9/26

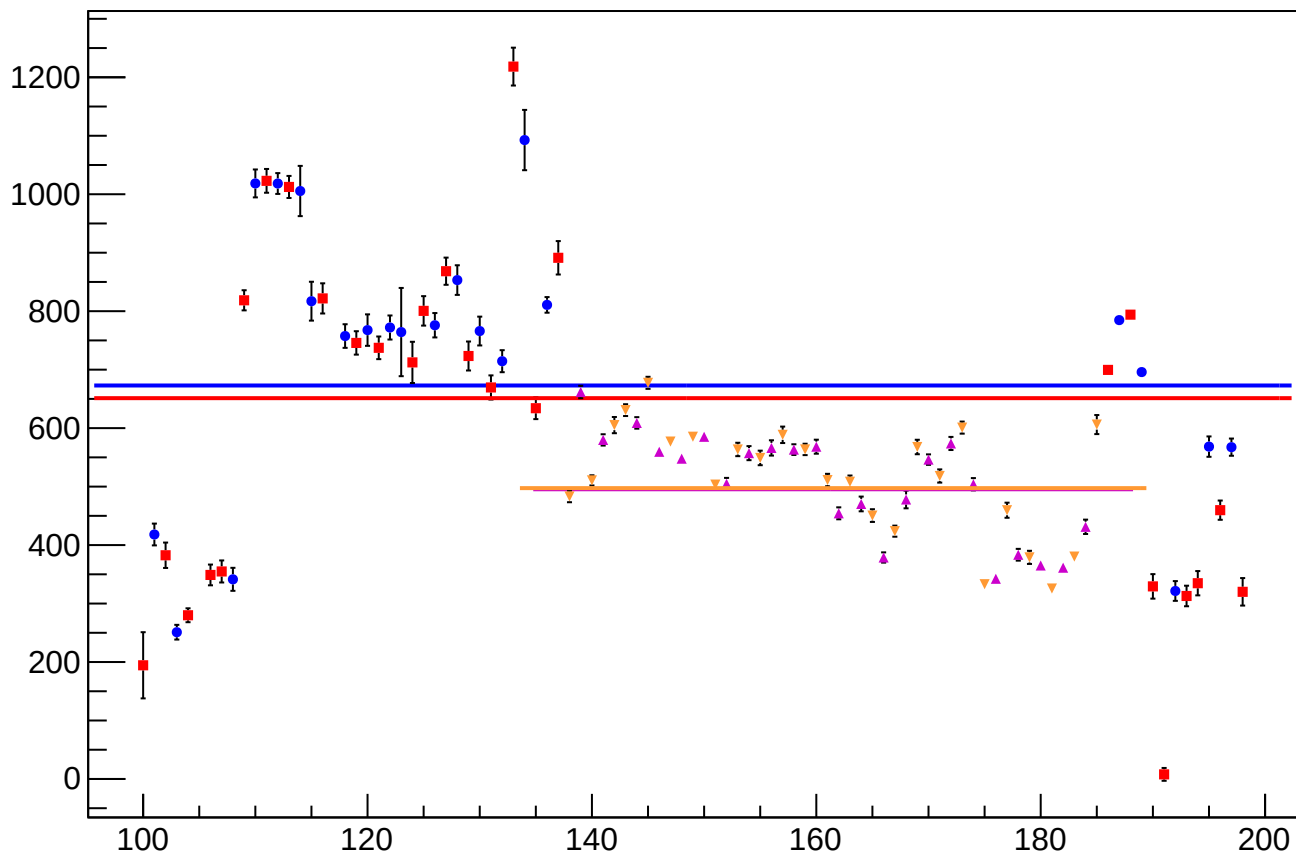
Left In: -6.019 ± 1.516 χ^2/NDF : 654.1/22

+ sign -4.475 ± 1.279 χ^2/NDF : 1312.6/46

All: -2.911 ± 0.899 χ^2/NDF : 2642.1/96

- sign -1.387 ± 1.263 χ^2/NDF : 1326.5/49

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 672.914 ± 3.543 $\chi^2/\text{NDF}: 3295.7/21$

Left Out: 497.381 ± 1.966 $\chi^2/\text{NDF}: 2614.6/24$

Right Out: 651.251 ± 2.591 $\chi^2/\text{NDF}: 8966.0/26$

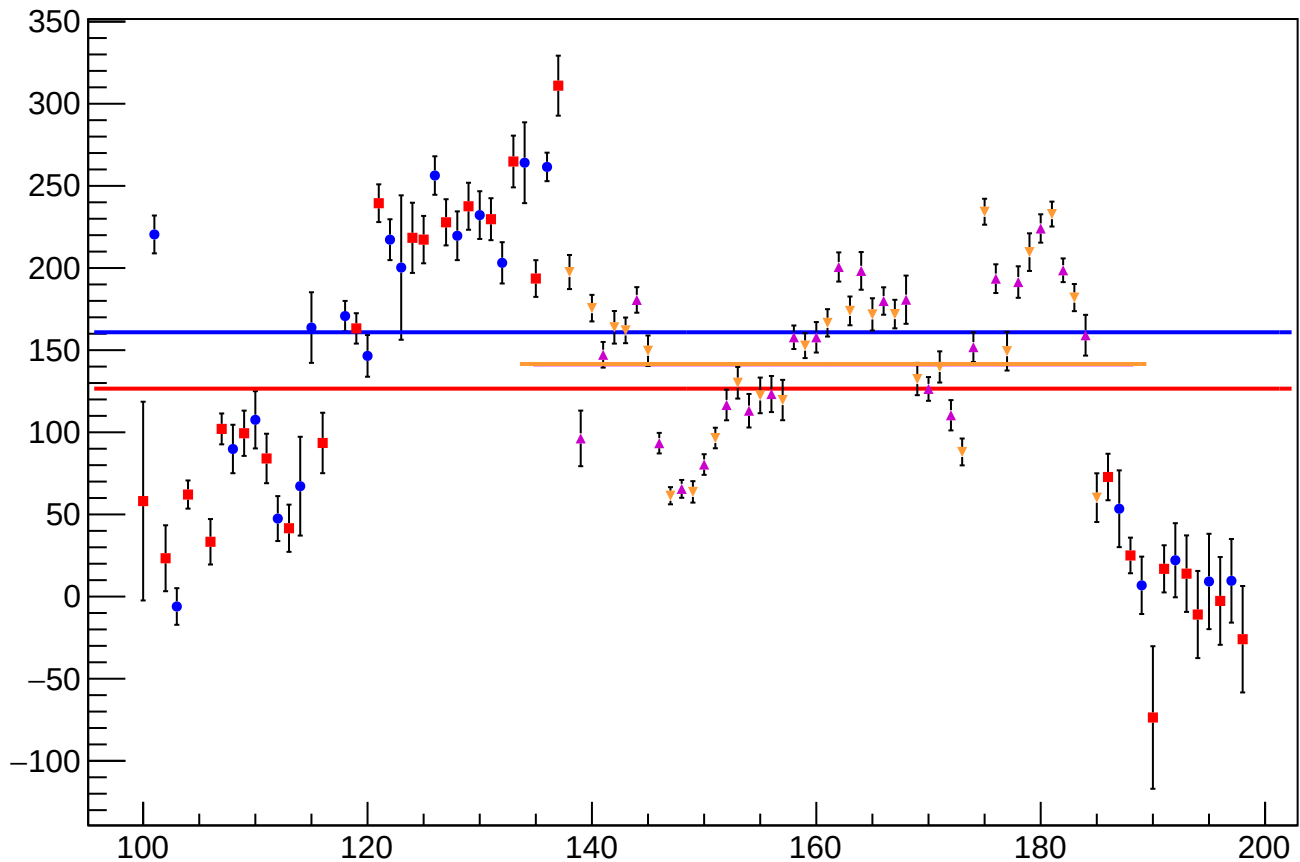
Left In: 495.454 ± 1.992 $\chi^2/\text{NDF}: 2253.8/22$

+ sign 538.707 ± 1.719 $\chi^2/\text{NDF}: 7787.3/46$

All: 546.639 ± 1.163 $\chi^2/\text{NDF}: 21318.5/96$

- sign 553.335 ± 1.579 $\chi^2/\text{NDF}: 13491.9/49$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 160.893 $\pm$ 3.090 χ^2 /NDF: 855.1/21

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 126.575 $\pm$ 2.750 χ^2 /NDF: 1026.8/26

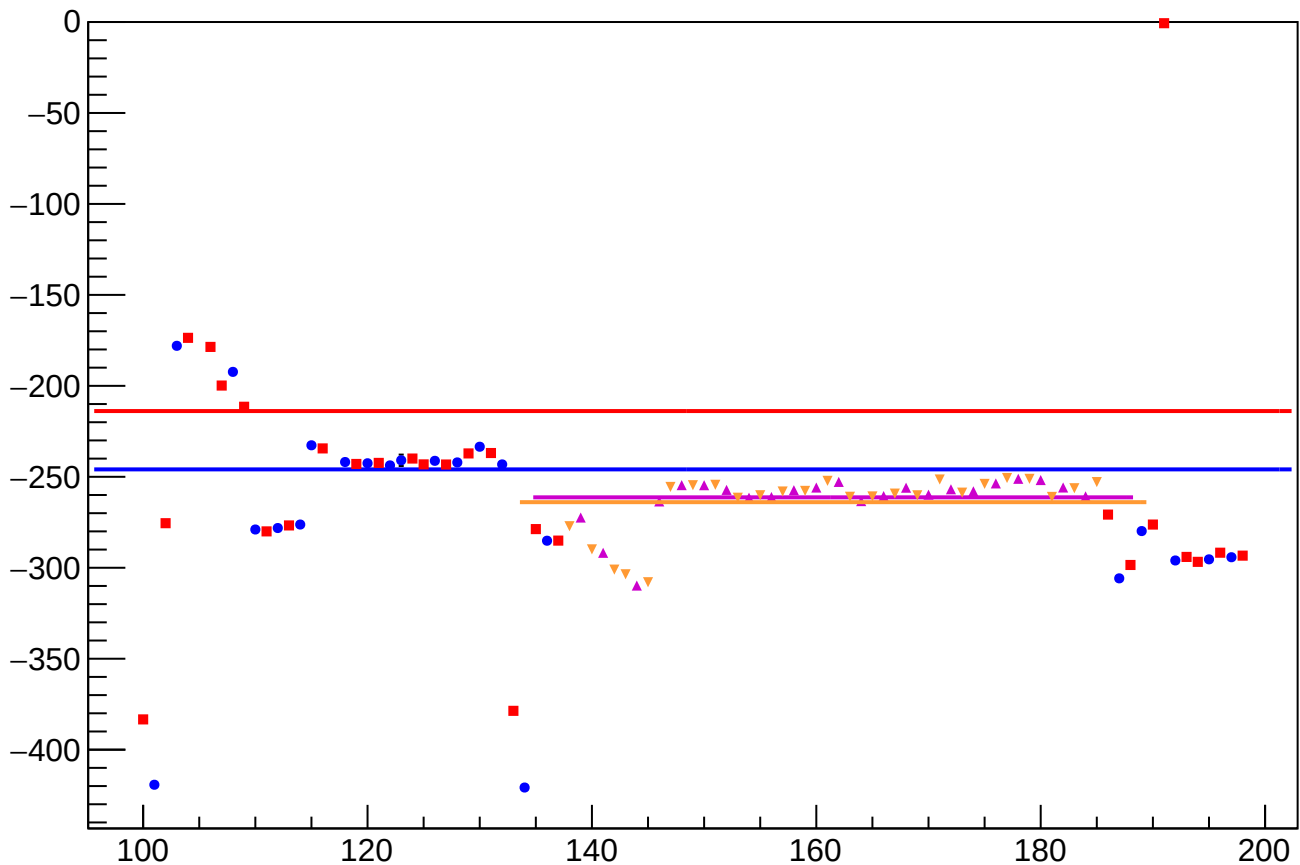
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 146.068 $\pm$ 1.488 χ^2 /NDF: 1844.6/46

All: 141.546 $\pm$ 1.048 χ^2 /NDF: 3651.5/96

- sign 137.105 $\pm$ 1.475 χ^2 /NDF: 1788.6/49

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -245.923+/-0.149 χ^2/NDF : 183872.0/21

Left Out: -263.943+/-0.081 χ^2/NDF : 39085.0/24

Right Out: -213.857+/-0.128 χ^2/NDF : 468736.0/26

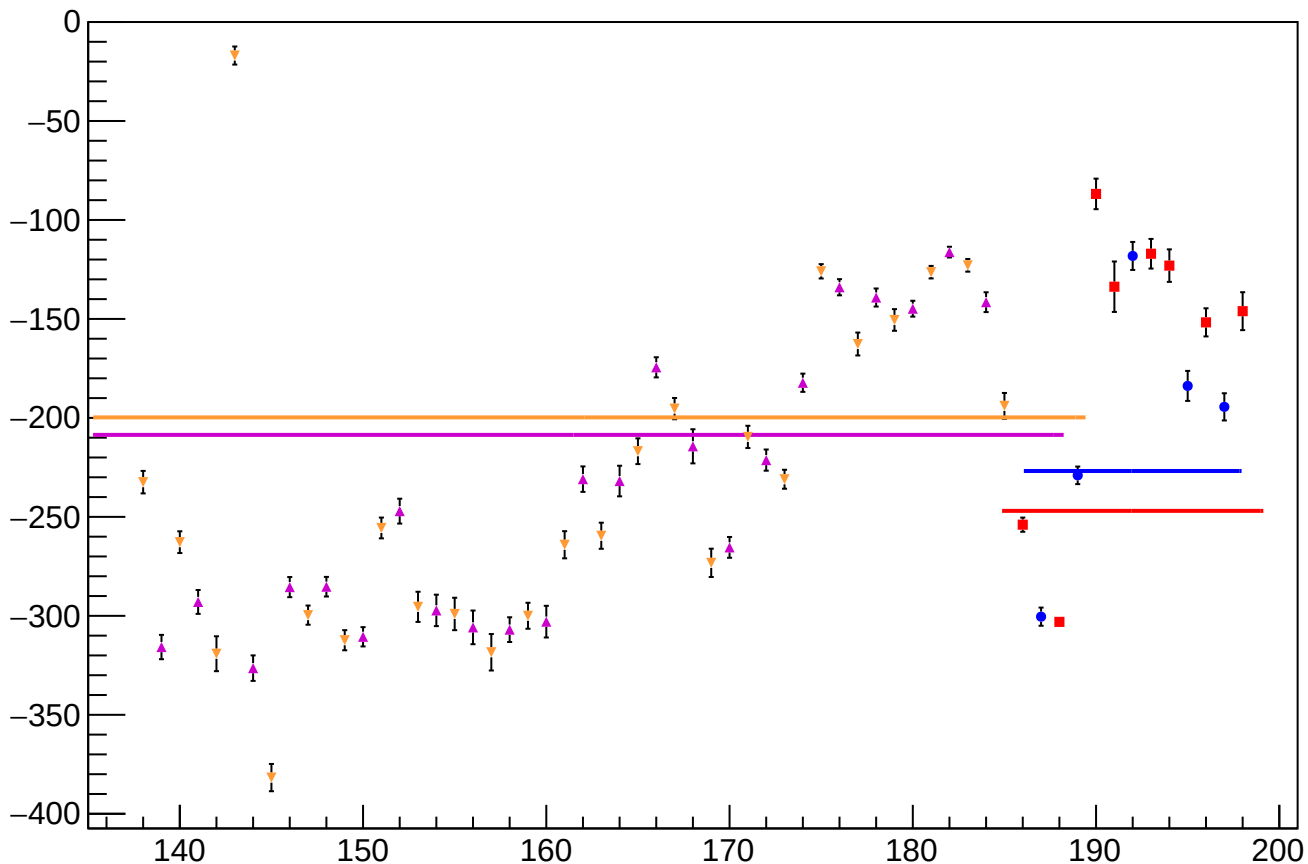
Left In: -261.286+/-0.082 χ^2/NDF : 23348.4/22

+ sign -259.807+/-0.071 χ^2/NDF : 234250.0/46

All: -253.489+/-0.050 χ^2/NDF : 838448.0/96

- sign -247.558+/-0.069 χ^2/NDF : 588982.3/49

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -226.816 ± 2.525 χ^2/NDF : 547.2/4

Left Out: -199.741 ± 1.061 χ^2/NDF : 6361.5/24

Right Out: -246.964 ± 1.710 χ^2/NDF : 1891.7/7

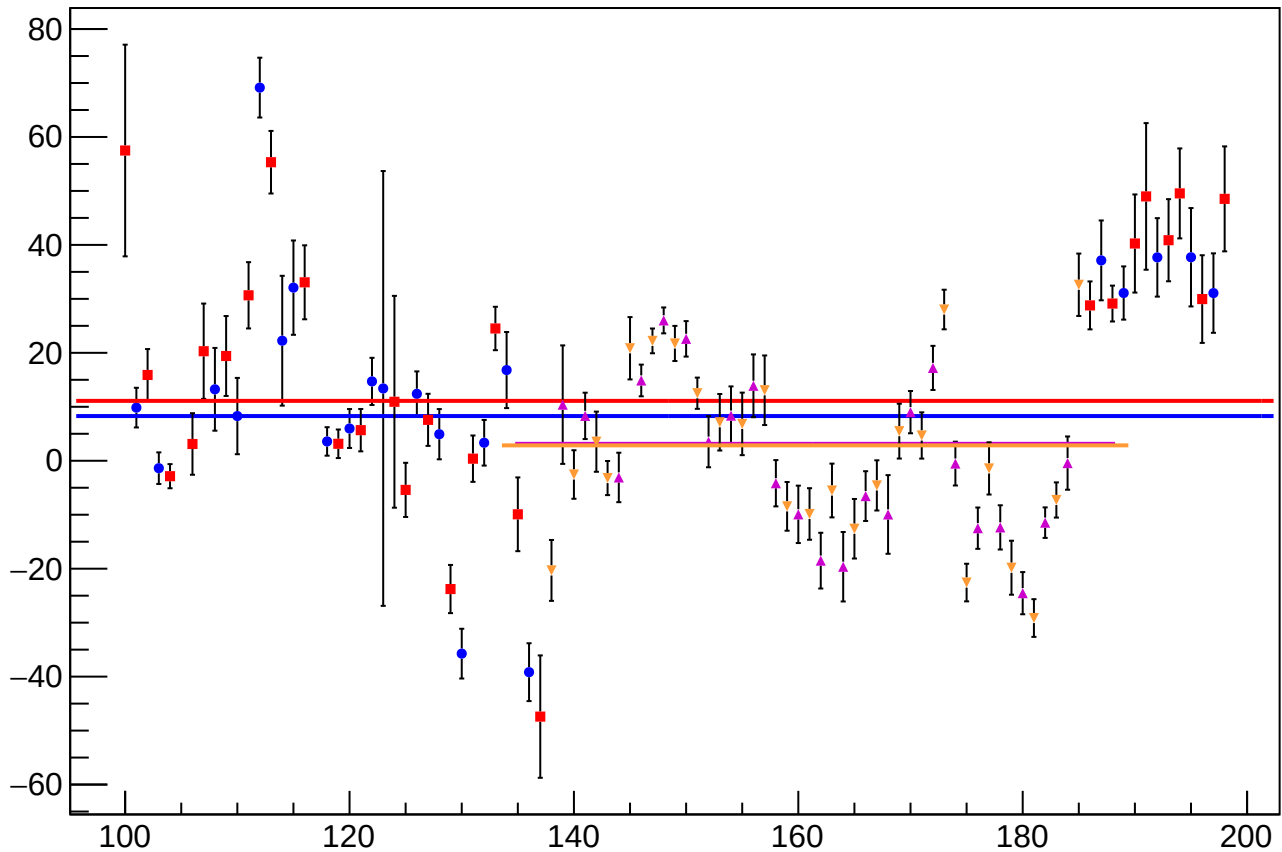
Left In: -208.579 ± 1.082 χ^2/NDF : 4805.1/22

+ sign -203.806 ± 0.978 χ^2/NDF : 7006.5/29

All: -212.210 ± 0.668 χ^2/NDF : 14201.3/60

- sign -219.555 ± 0.915 χ^2/NDF : 7056.5/30

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 8.283 ± 1.040 $\chi^2/\text{NDF}: 393.5/21$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 11.097 ± 0.958 $\chi^2/\text{NDF}: 385.3/26$

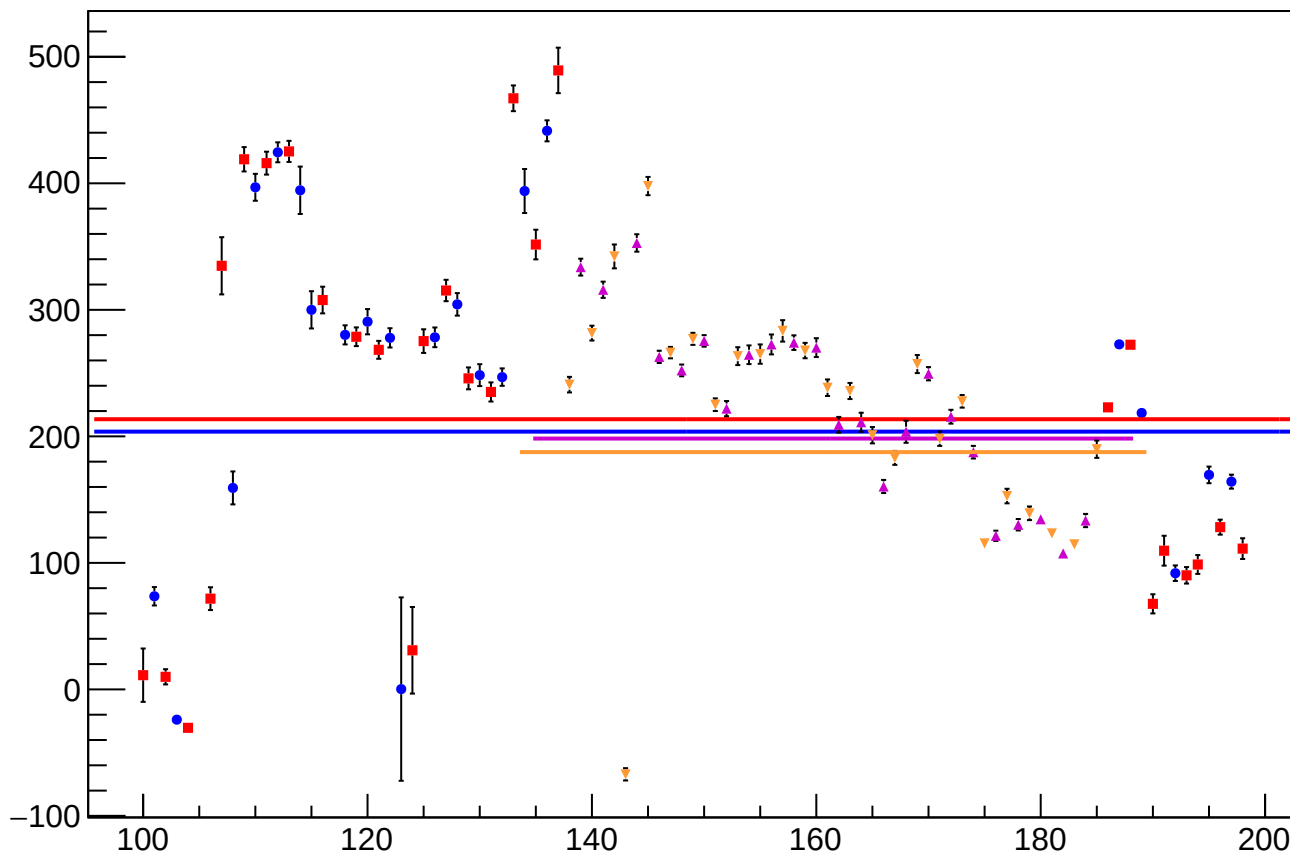
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 4.934 ± 0.644 $\chi^2/\text{NDF}: 830.1/46$

All: 5.811 ± 0.453 $\chi^2/\text{NDF}: 1577.2/96$

- sign 6.673 ± 0.639 $\chi^2/\text{NDF}: 743.4/49$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 203.739 ± 1.447 χ^2/NDF : 7479.5/21

Left Out: 187.565 ± 1.066 χ^2/NDF : 7082.0/24

Right Out: 213.543 ± 1.136 χ^2/NDF : 10709.9/26

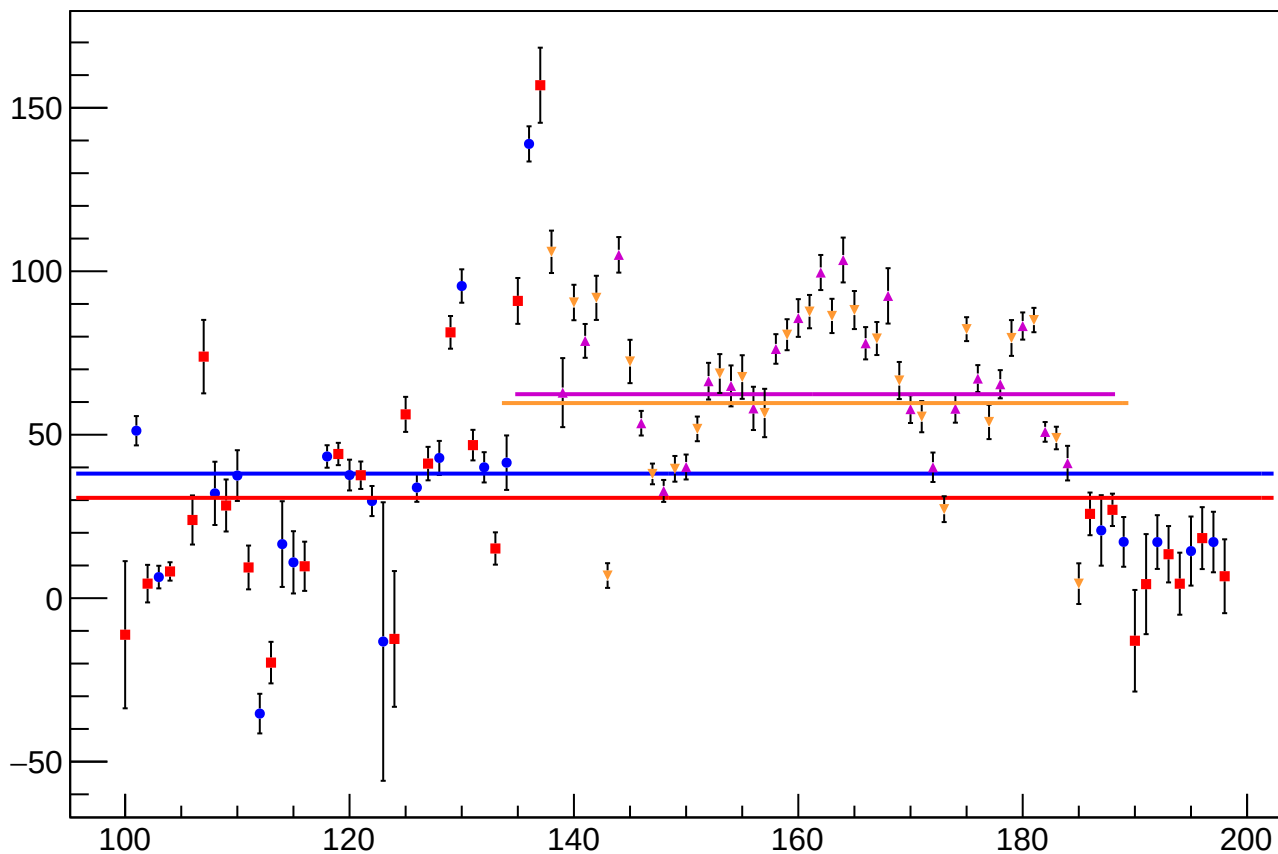
Left In: 198.269 ± 1.082 χ^2/NDF : 4515.8/22

+ sign 193.253 ± 0.858 χ^2/NDF : 14642.5/46

All: 199.953 ± 0.579 χ^2/NDF : 30074.7/96

- sign 205.533 ± 0.783 χ^2/NDF : 15320.5/49

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 38.104 $\pm$ 1.225 χ^2/NDF : 763.4/21

Left Out: 59.682 $\pm$ 0.941 χ^2/NDF : 757.6/24

Right Out: 30.690 $\pm$ 1.152 χ^2/NDF : 582.7/26

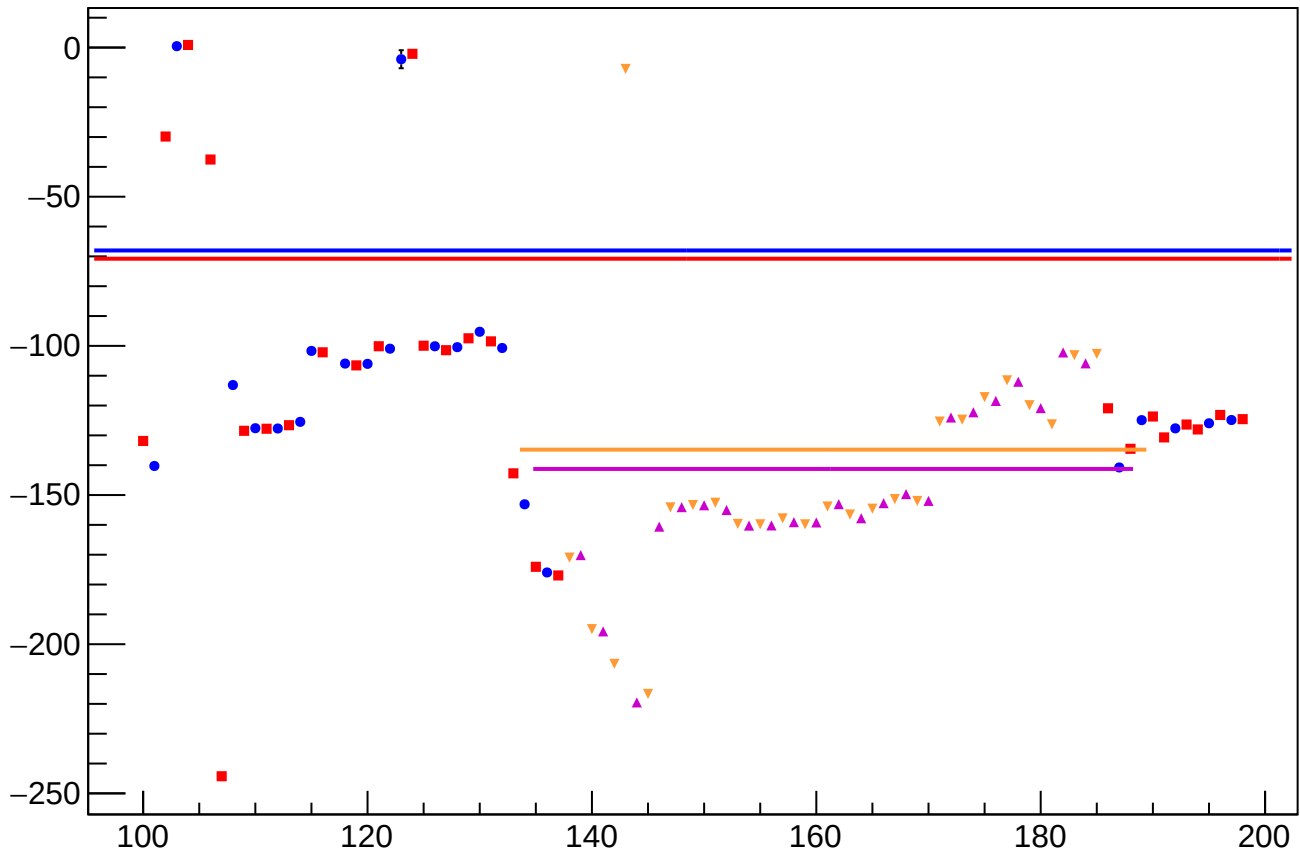
Left In: 62.400 $\pm$ 0.974 χ^2/NDF : 406.3/22

+ sign 51.678 $\pm$ 0.746 χ^2/NDF : 1716.1/46

All: 50.424 $\pm$ 0.527 χ^2/NDF : 3152.6/96

- sign 49.177 $\pm$ 0.744 χ^2/NDF : 1430.9/49

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -68.016 $\pm$ 0.057 χ^2 /NDF: 1286771.9/21

Left Out: -134.780 $\pm$ 0.045 χ^2 /NDF: 804747.3/24

Right Out: -70.782 $\pm$ 0.053 χ^2 /NDF: 1322029.9/26

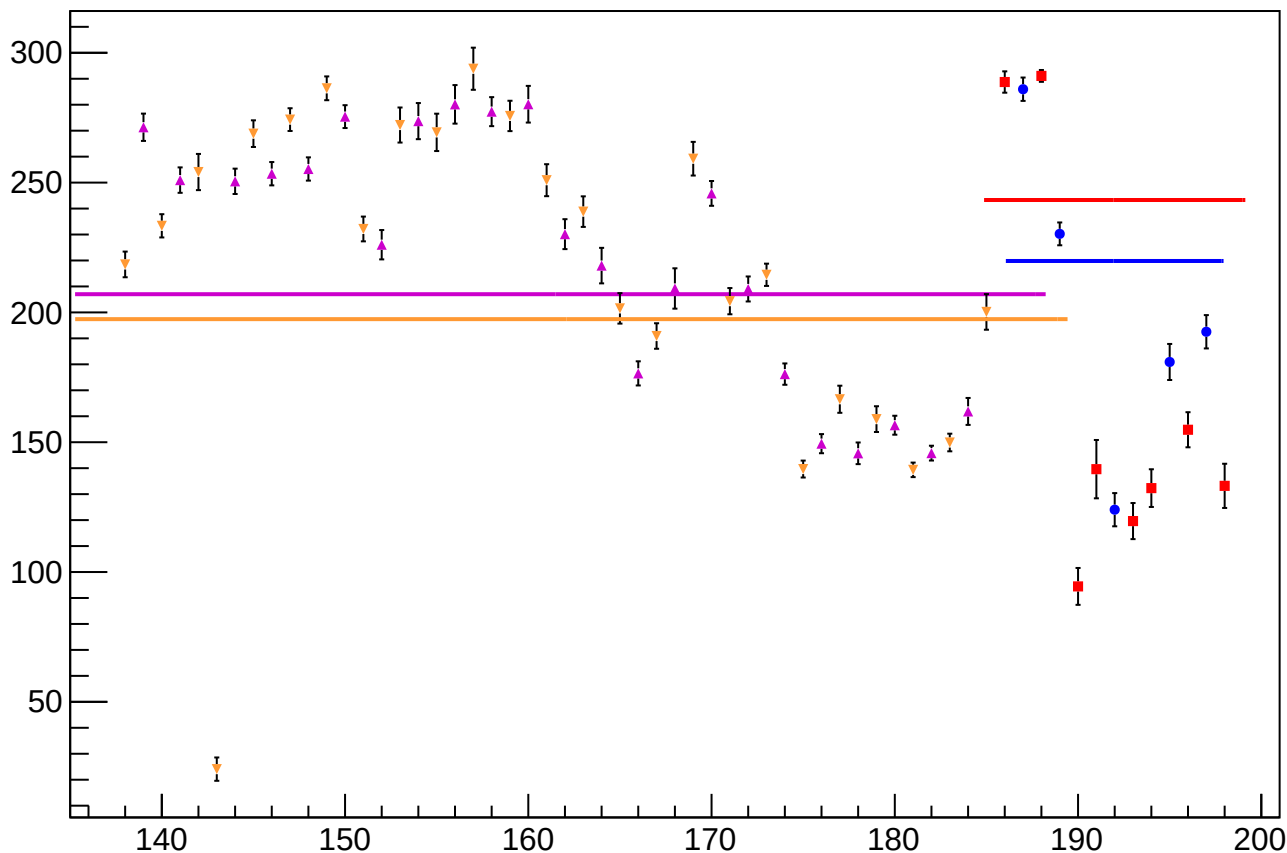
Left In: -141.255 $\pm$ 0.045 χ^2 /NDF: 347229.8/22

+ sign -109.530 $\pm$ 0.035 χ^2 /NDF: 2942700.7/46

All: -110.613 $\pm$ 0.025 χ^2 /NDF: 5630616.6/96

- sign -111.660 $\pm$ 0.034 χ^2 /NDF: 2686043.1/49

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 219.809 $\pm$ 2.421 χ^2 /NDF: 495.7/4

Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF: 4384.2/24

Right Out: 243.297 $\pm$ 1.679 χ^2 /NDF: 1975.1/7

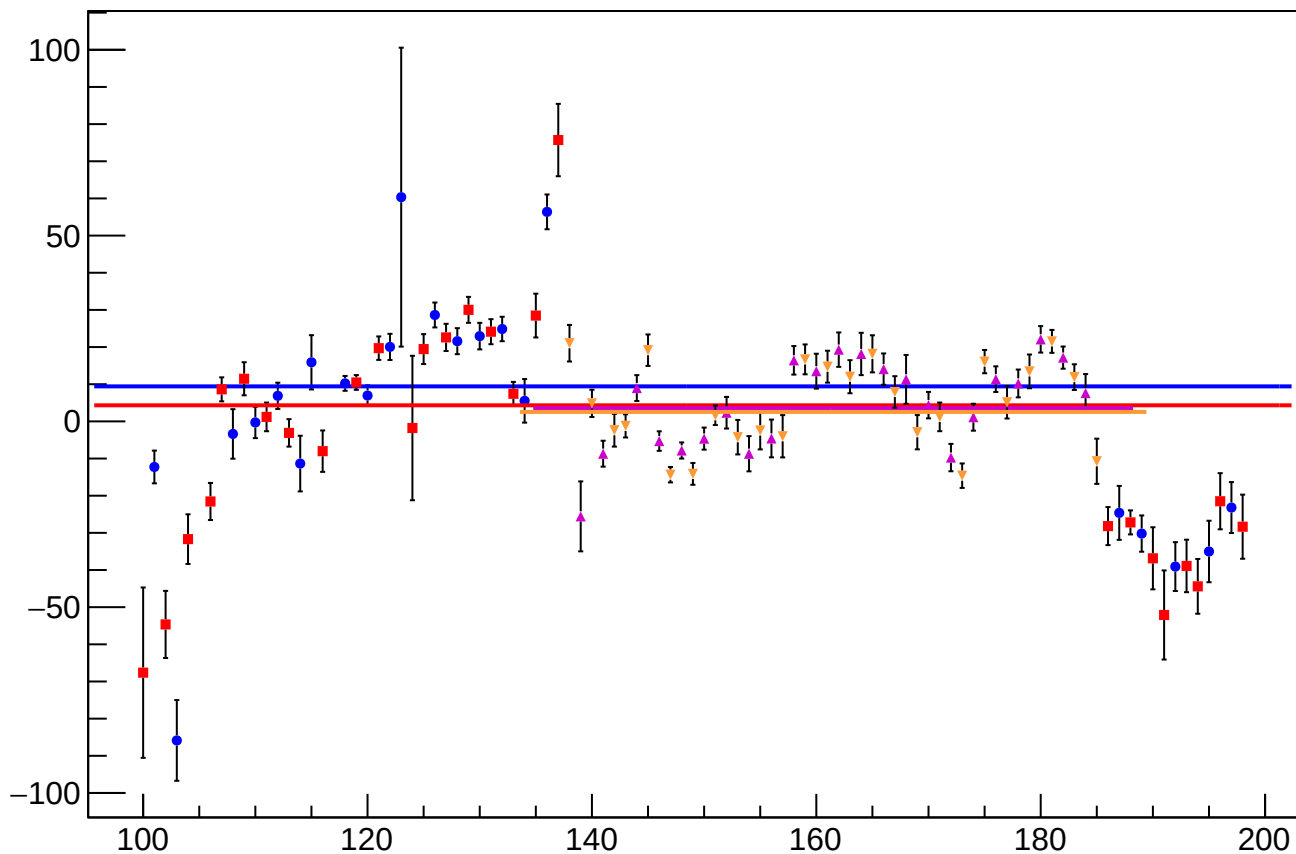
Left In: 207.014 $\pm$ 0.990 χ^2 /NDF: 2611.5/22

+ sign 200.467 $\pm$ 0.895 χ^2 /NDF: 4953.8/29

All: 208.803 $\pm$ 0.617 χ^2 /NDF: 10052.7/60

- sign 216.379 $\pm$ 0.853 χ^2 /NDF: 4933.1/30

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 9.422 ± 0.892 χ^2/NDF : 507.2/21

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 4.325 ± 0.839 χ^2/NDF : 643.8/26

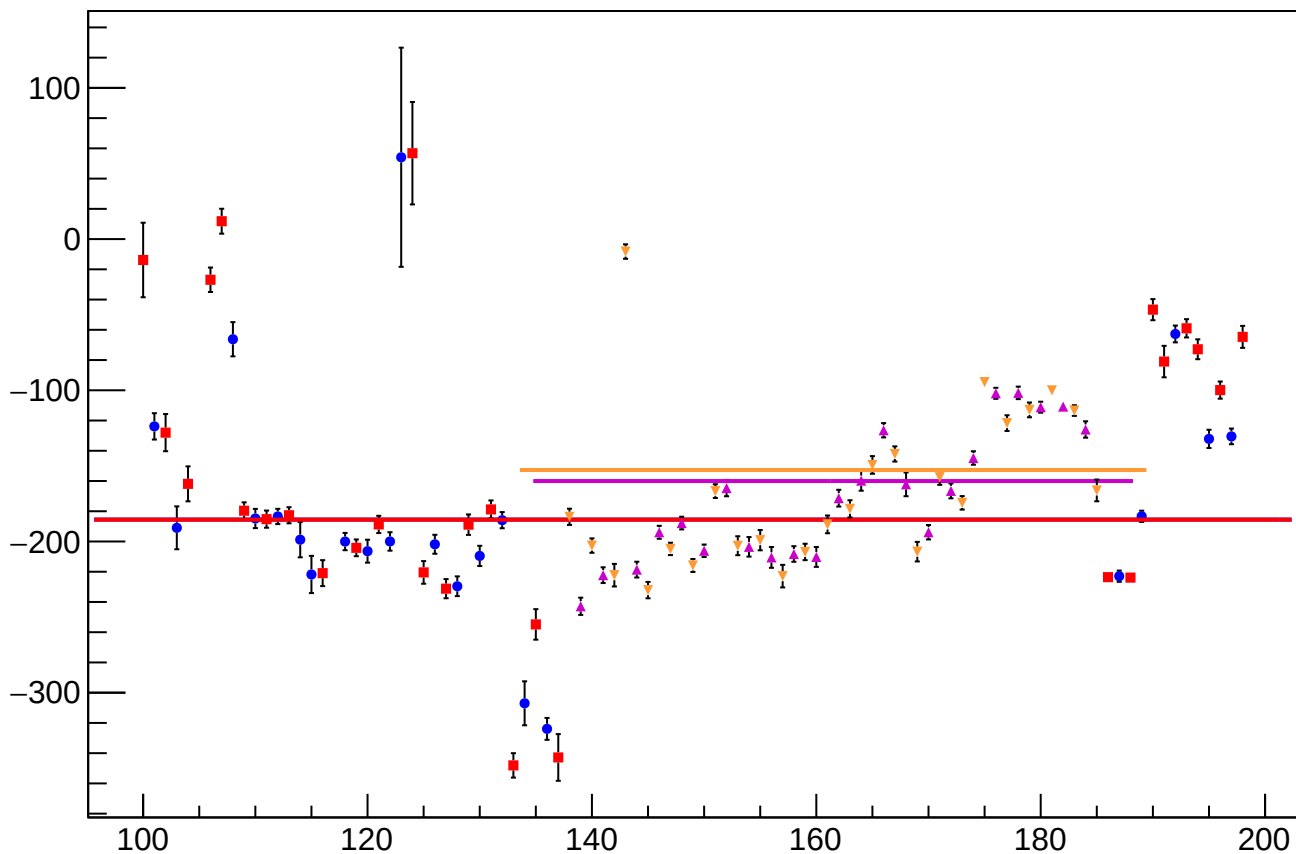
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 5.353 ± 0.570 χ^2/NDF : 817.8/46

All: 4.631 ± 0.403 χ^2/NDF : 1657.3/96

- sign 3.911 ± 0.569 χ^2/NDF : 836.2/49

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -185.490 $\pm$ 1.347 χ^2 /NDF: 1482.6/21

Left Out: -152.738 $\pm$ 0.967 χ^2 /NDF:3077.8/24

Right Out: -185.591 $\pm$ 1.076 χ^2 /NDF: 4046.6/26

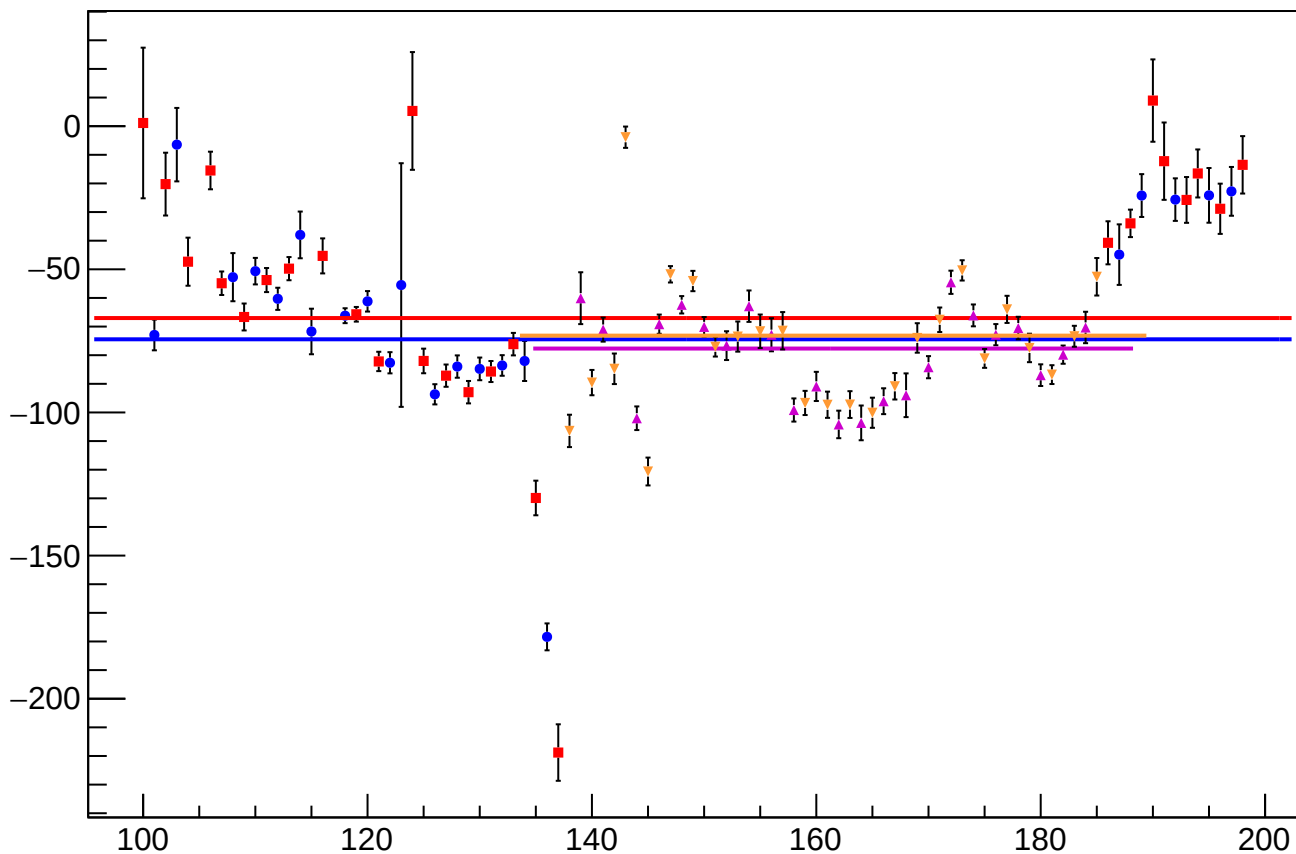
Left In: -160.021 $\pm$ 0.989 χ^2 /NDF:2024.4/22

+ sign -163.877 $\pm$ 0.786 χ^2 /NDF: 4950.6/46

All: -168.101 $\pm$ 0.534 χ^2 /NDF: 11381.6/96

- sign -171.729 $\pm$ 0.728 χ^2 /NDF: 6377.3/49

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -74.448 $\pm$ 1.042 χ^2/NDF : 823.2/21

Left Out: -73.165 $\pm$ 0.851 χ^2/NDF : 788.6/24

Right Out: -67.025 $\pm$ 0.988 χ^2/NDF : 847.1/26

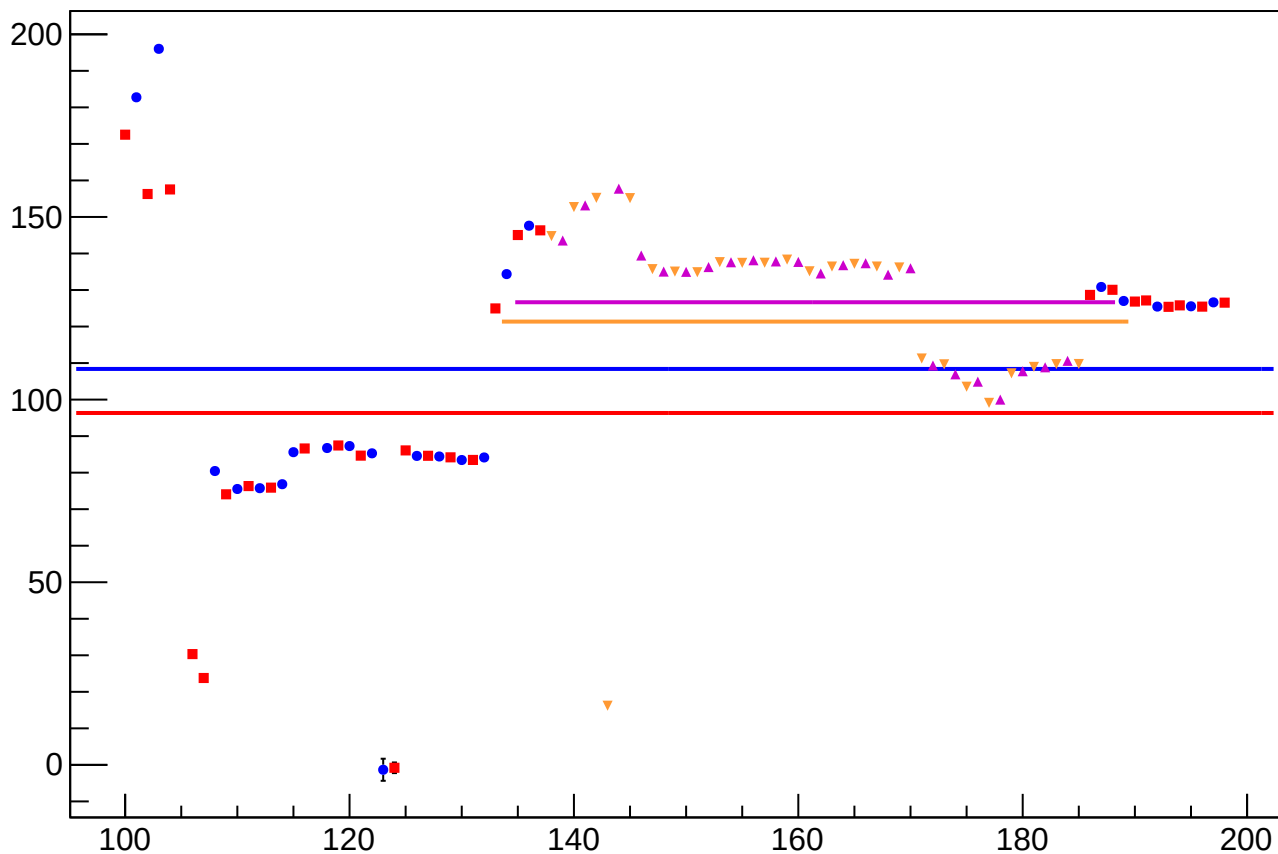
Left In: -77.678 $\pm$ 0.883 χ^2/NDF : 248.3/22

+ sign -73.679 $\pm$ 0.659 χ^2/NDF : 1612.7/46

All: -73.312 $\pm$ 0.466 χ^2/NDF : 2773.4/96

- sign -72.947 $\pm$ 0.658 χ^2/NDF : 1160.1/49

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 108.394 $\pm$ 0.063 χ^2/NDF : 294637.4/21

Left Out: 121.356 $\pm$ 0.040 χ^2/NDF : 481977.3/24

Right Out: 96.336 $\pm$ 0.055 χ^2/NDF : 538646.3/26

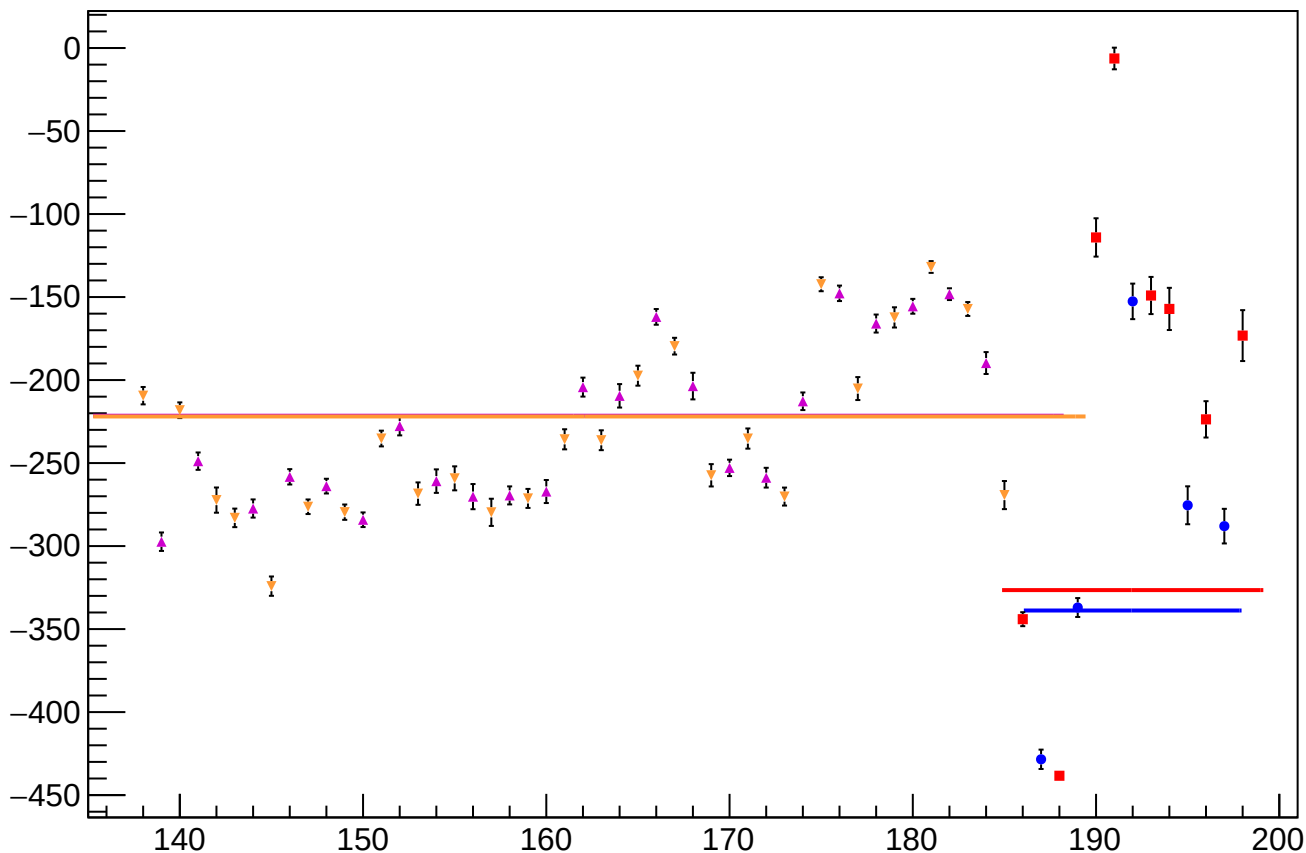
Left In: 126.653 $\pm$ 0.041 χ^2/NDF : 163046.1/22

+ sign 117.586 $\pm$ 0.034 χ^2/NDF : 806697.6/46

All: 116.600 $\pm$ 0.024 χ^2/NDF : 1707200.5/96

- sign 115.679 $\pm$ 0.033 χ^2/NDF : 898871.9/49

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -338.811 $\pm$ 3.413 χ^2 /NDF: 593.6/4

Left Out: -221.934 $\pm$ 1.084 χ^2 /NDF: 2578.4/24

Right Out: -326.517 $\pm$ 2.119 χ^2 /NDF: 4743.6/7

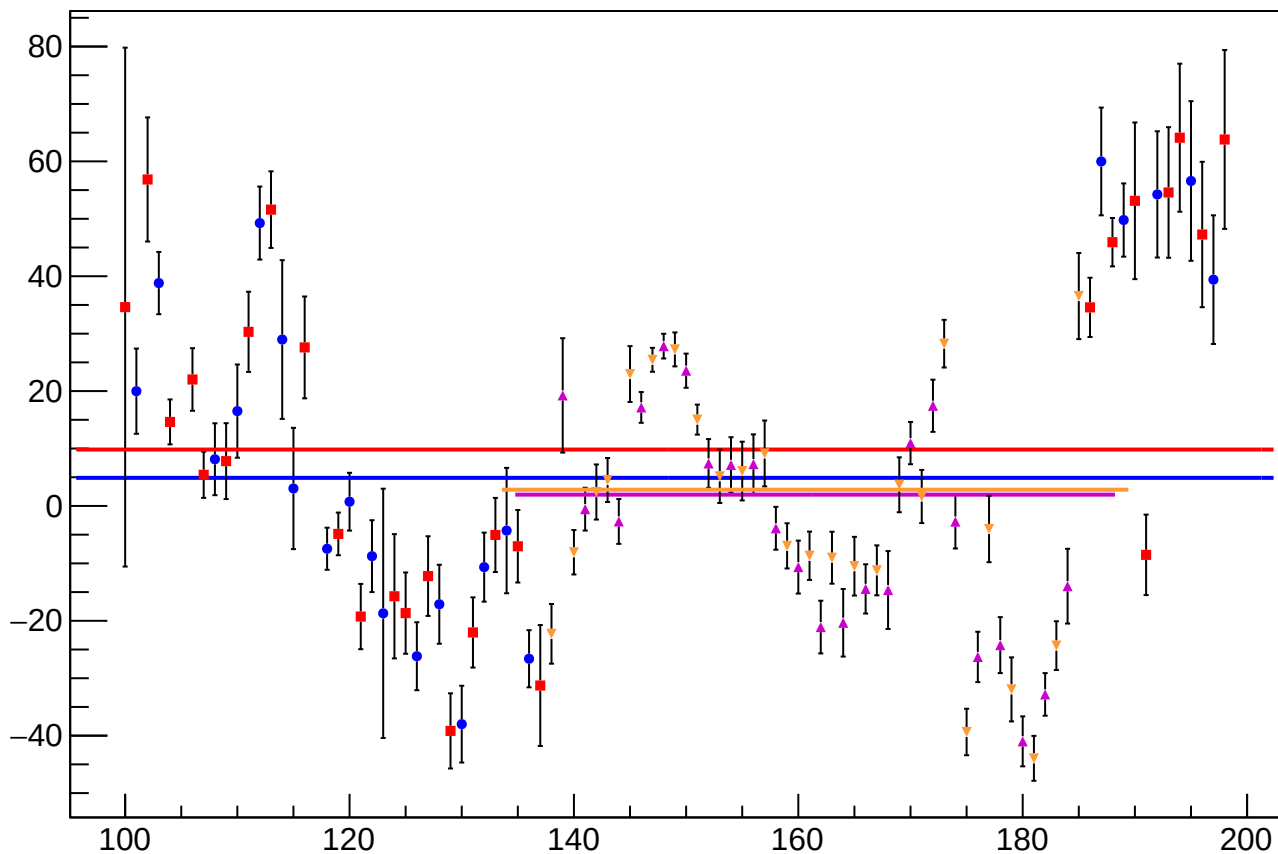
Left In: -221.483 $\pm$ 1.102 χ^2 /NDF: 2149.8/22

+ sign -232.652 $\pm$ 1.034 χ^2 /NDF: 4237.1/29

All: -238.565 $\pm$ 0.710 χ^2 /NDF: 13127.0/60

- sign -243.858 $\pm$ 0.978 χ^2 /NDF: 8827.9/30

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 4.893 ± 1.444 $\chi^2/\text{NDF}: 369.3/21$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 9.823 ± 1.237 $\chi^2/\text{NDF}: 430.7/26$

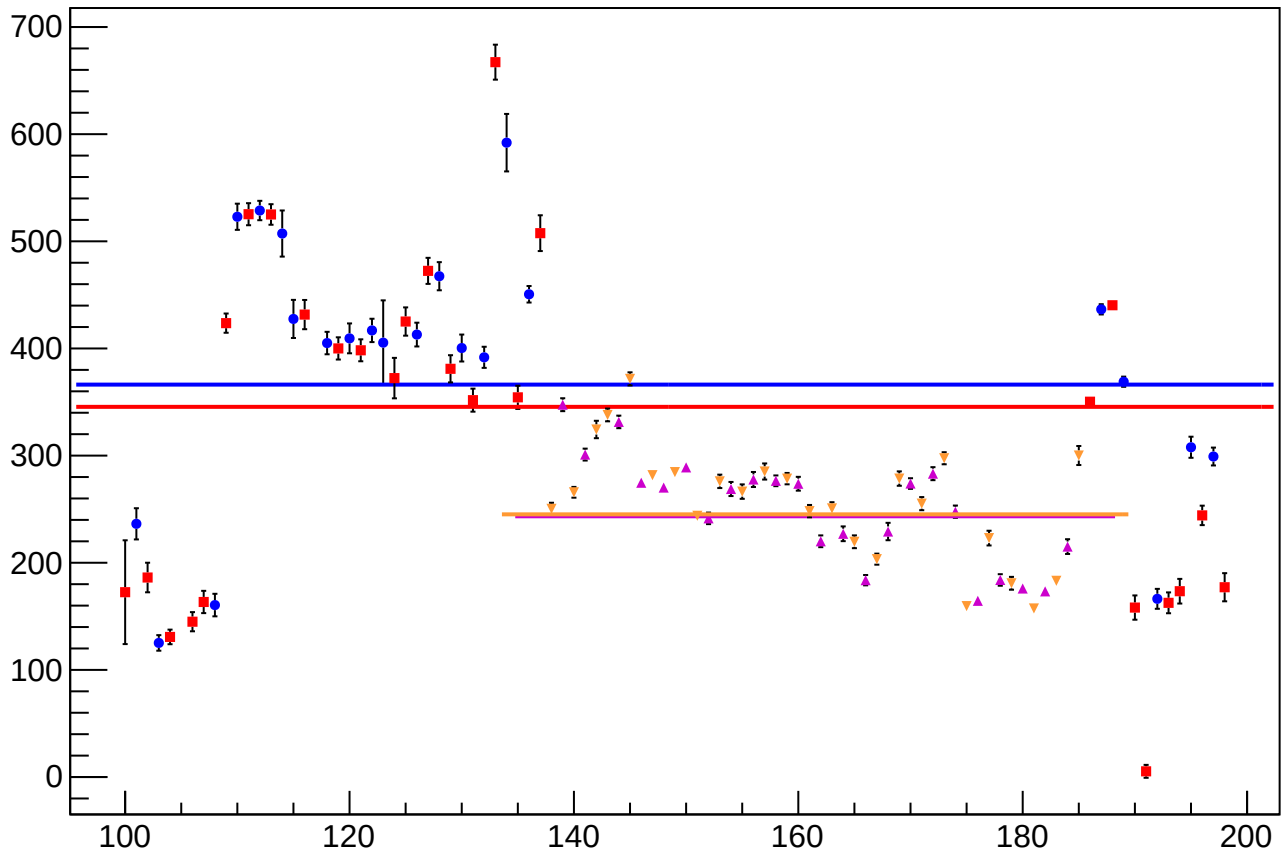
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 3.323 ± 0.704 $\chi^2/\text{NDF}: 1057.8/46$

All: 3.884 ± 0.494 $\chi^2/\text{NDF}: 2106.5/96$

- sign 4.425 ± 0.692 $\chi^2/\text{NDF}: 1047.5/49$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 366.266 $\pm$ 1.987 χ^2 /NDF: 3211.1/21

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF:2597.4/24

Right Out: 345.510 $\pm$ 1.443 χ^2 /NDF: 9241.4/26

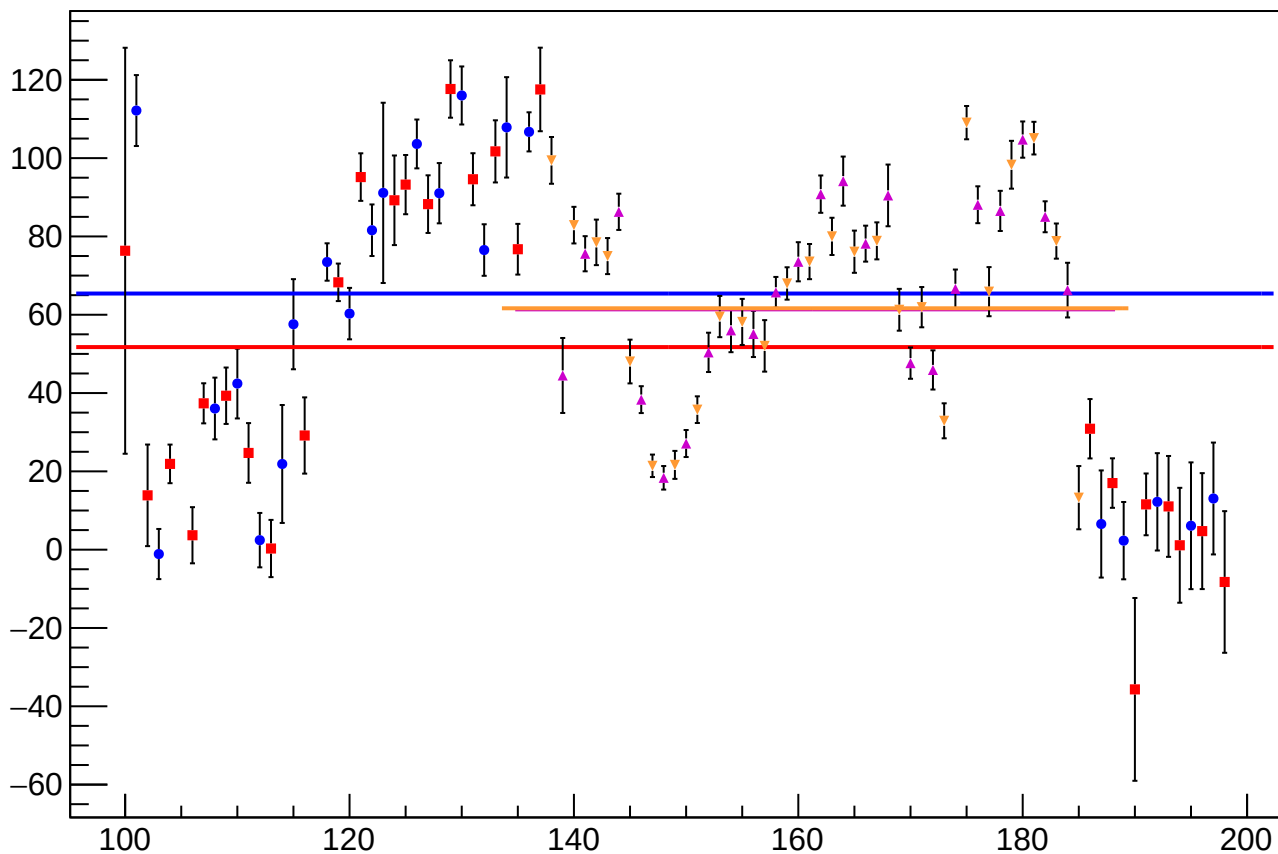
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF:2236.7/22

+ sign 272.868 $\pm$ 0.950 χ^2 /NDF: 8672.1/46

All: 277.080 $\pm$ 0.642 χ^2 /NDF: 23368.4/96

- sign 280.624 $\pm$ 0.872 χ^2 /NDF: 14660.0/49

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 65.418+/-1.689 χ^2/NDF : 538.6/21

Left Out: 61.647+/-0.936 χ^2/NDF : 871.5/24

Right Out: 51.740+/-1.485 χ^2/NDF : 632.7/26

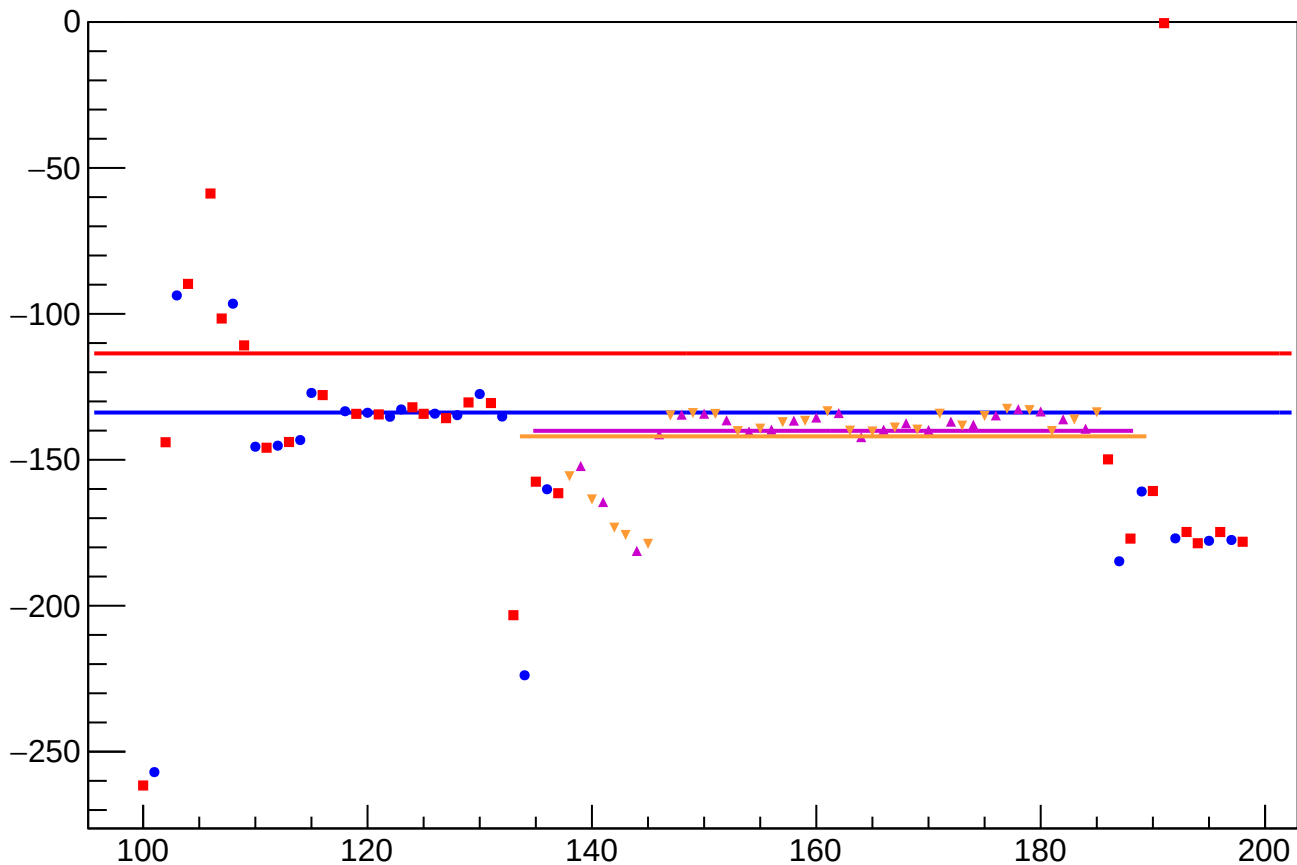
Left In: 61.375+/-0.961 χ^2/NDF : 699.7/22

+ sign 62.534+/-0.819 χ^2/NDF : 1414.0/46

All: 60.503+/-0.575 χ^2/NDF : 2788.2/96

- sign 58.531+/-0.807 χ^2/NDF : 1362.0/49

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -133.805 ± 0.083 $\chi^2/\text{NDF}: 207825.3/21$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -113.547 ± 0.071 $\chi^2/\text{NDF}: 565380.9/26$

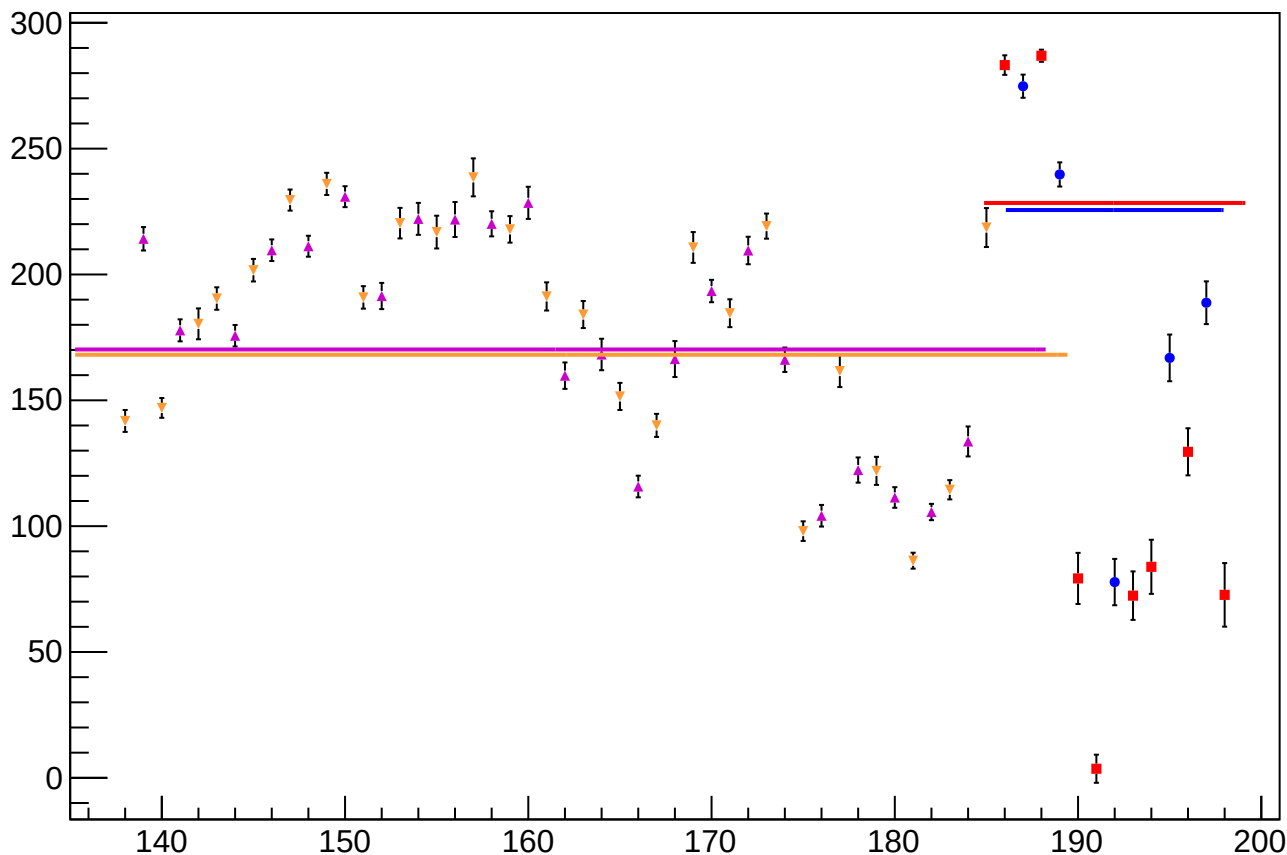
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -140.140 ± 0.039 $\chi^2/\text{NDF}: 295551.5/46$

All: -136.133 ± 0.027 $\chi^2/\text{NDF}: 1029224.1/96$

- sign -132.410 ± 0.038 $\chi^2/\text{NDF}: 713695.9/49$

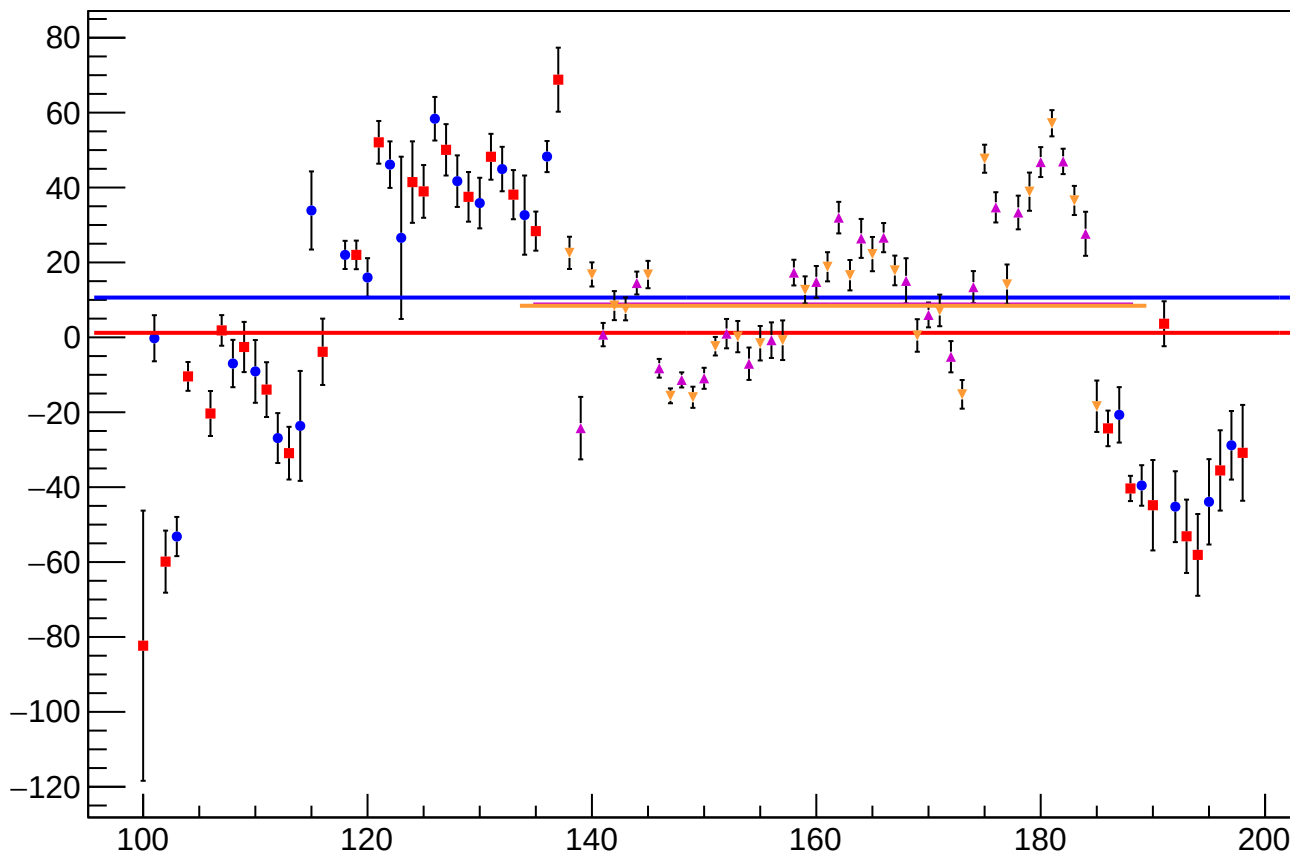
reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 225.605 ± 2.796 χ^2/NDF : 439.6/4
 Left Out: 168.106 ± 0.970 χ^2/NDF : 2468.8/24
 Right Out: 228.421 ± 1.776 χ^2/NDF : 3331.0/7
 Left In: 170.198 ± 0.995 χ^2/NDF : 2024.5/22

+ sign 174.285 ± 0.917 χ^2/NDF : 3285.8/29
 All: 179.470 ± 0.630 χ^2/NDF : 9520.2/60
 - sign 184.121 ± 0.868 χ^2/NDF : 6173.6/30

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 10.625 ± 1.379 χ^2/NDF : 652.3/21

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: 1.206 ± 1.181 χ^2/NDF : 794.0/26

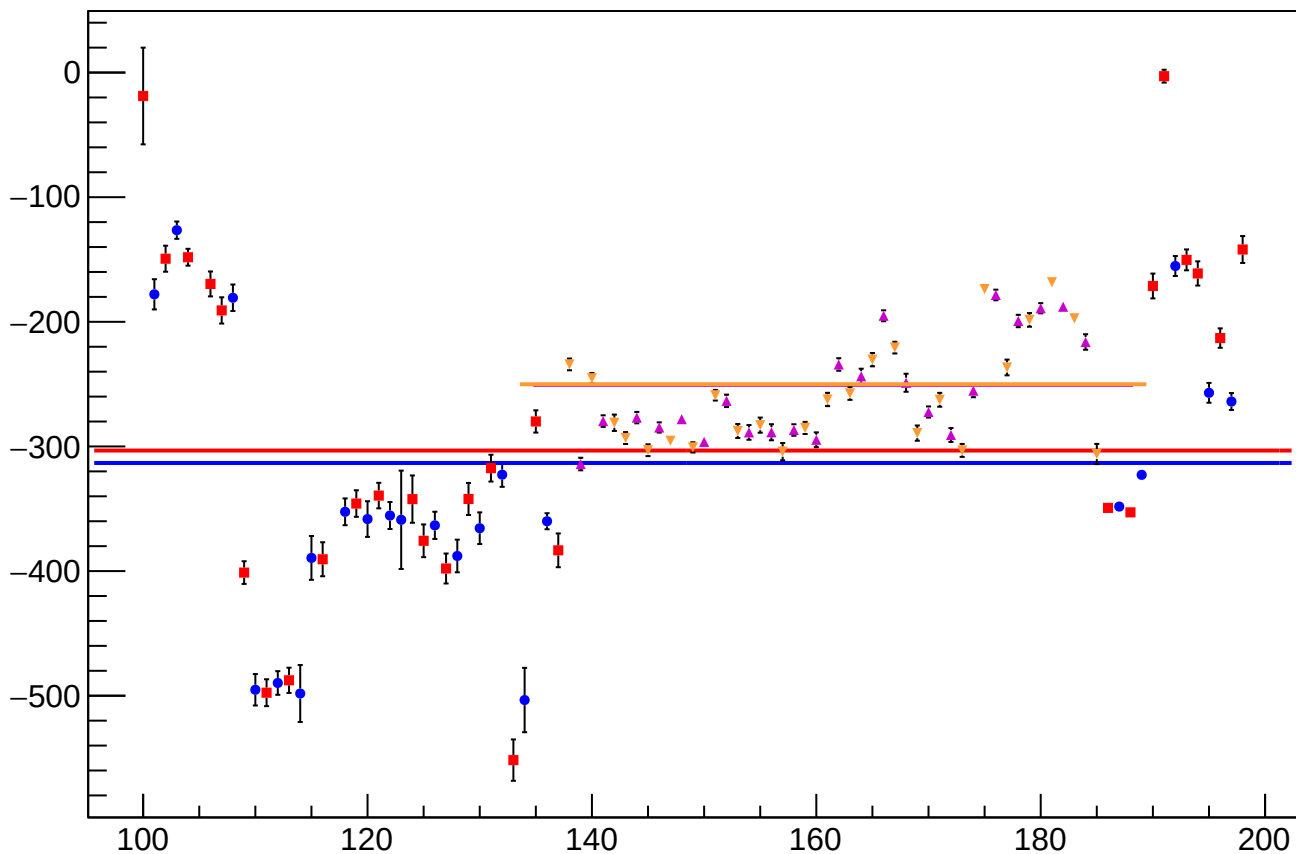
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 8.913 ± 0.644 χ^2/NDF : 1406.3/46

All: 7.726 ± 0.453 χ^2/NDF : 2862.9/96

- sign 6.561 ± 0.638 χ^2/NDF : 1449.9/49

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -313.254 ± 1.754 $\chi^2/\text{NDF}: 2444.6/21$

Left Out: -250.119 ± 0.972 $\chi^2/\text{NDF}: 2246.9/24$

Right Out: -303.280 ± 1.265 $\chi^2/\text{NDF}: 7637.4/26$

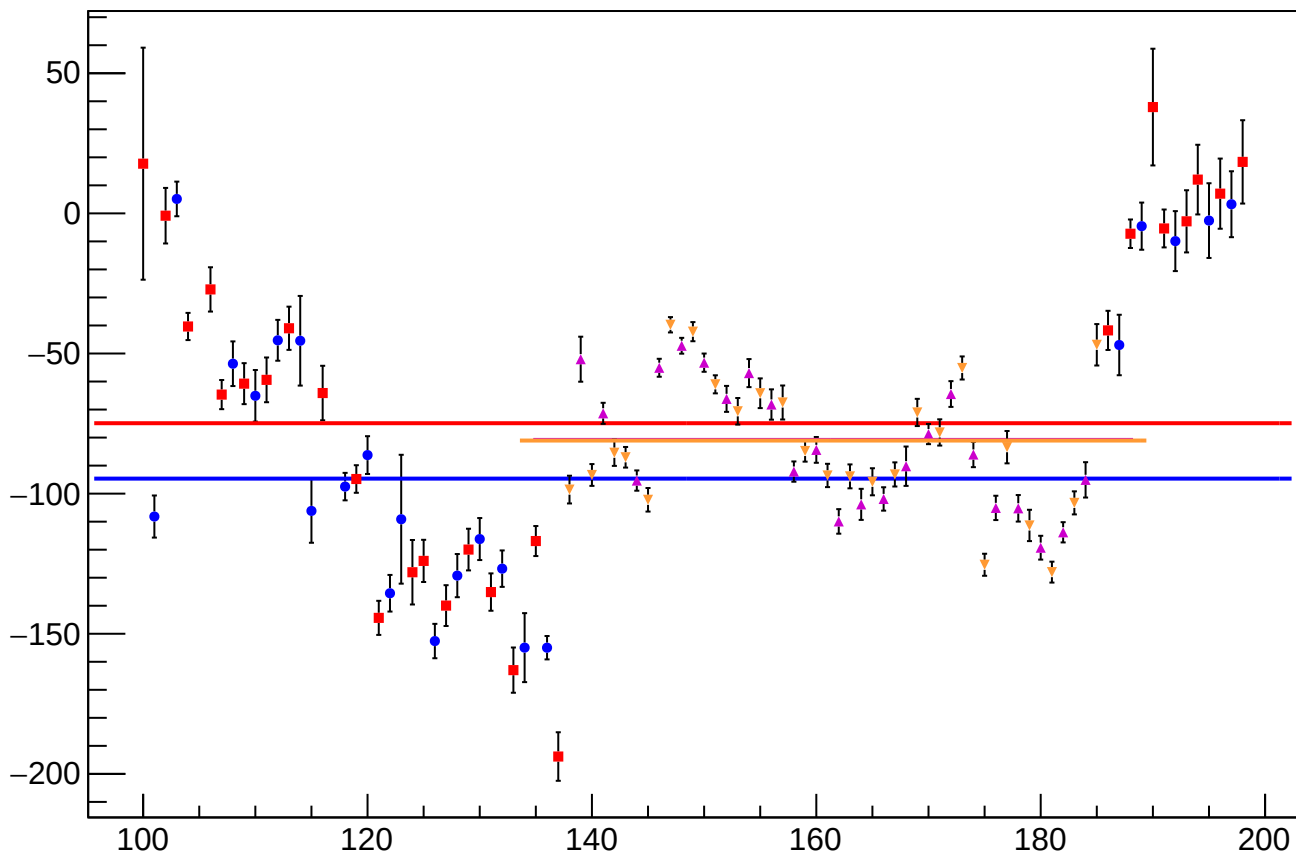
Left In: -250.628 ± 0.990 $\chi^2/\text{NDF}: 1937.1/22$

+ sign -264.958 ± 0.850 $\chi^2/\text{NDF}: 5682.5/46$

All: -268.048 ± 0.575 $\chi^2/\text{NDF}: 16355.9/96$

- sign -270.646 ± 0.780 $\chi^2/\text{NDF}: 10649.1/49$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -94.641 $\pm$ 1.614 χ^2/NDF : 1087.7/21

Left Out: -81.057 $\pm$ 0.843 χ^2/NDF : 913.0/24

Right Out: -74.872 $\pm$ 1.424 χ^2/NDF : 1465.8/26

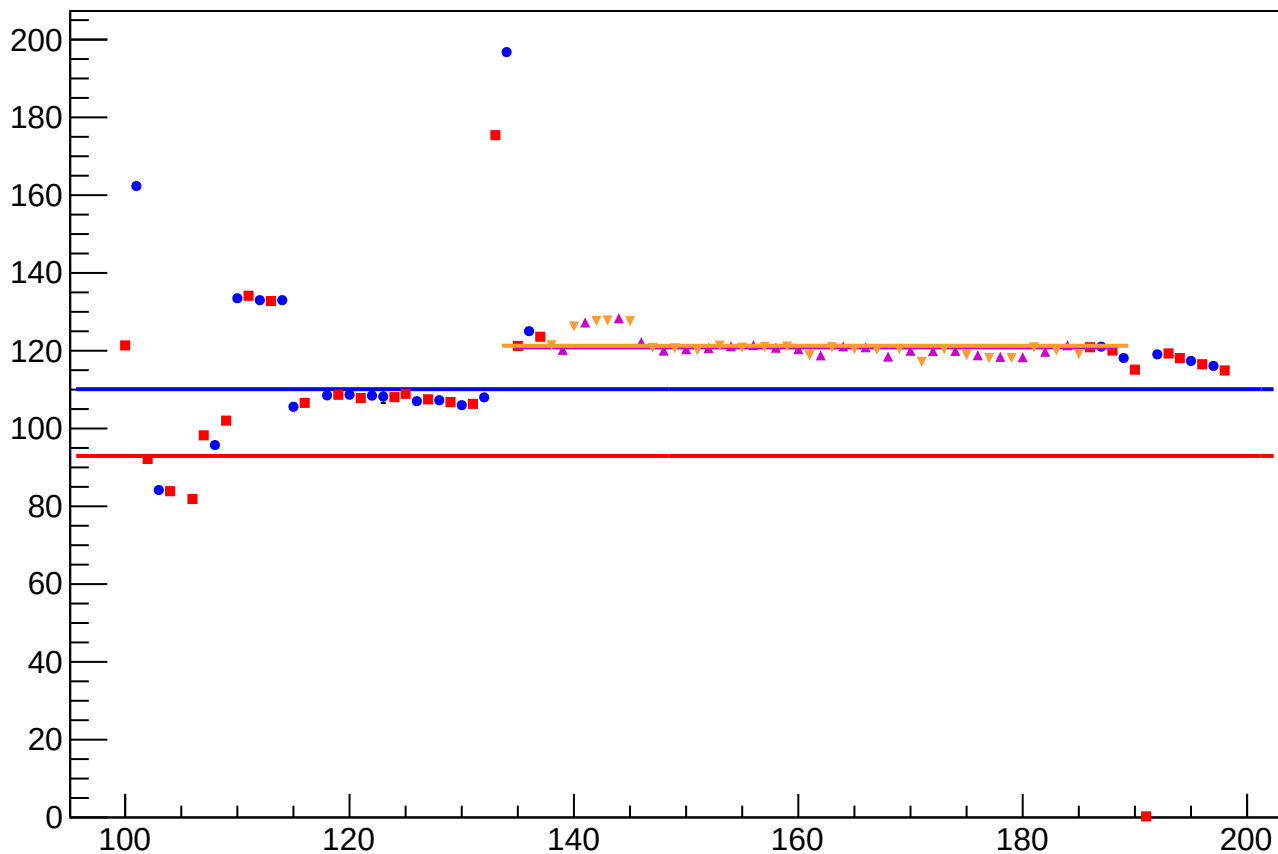
Left In: -80.834 $\pm$ 0.872 χ^2/NDF : 693.1/22

+ sign -83.970 $\pm$ 0.747 χ^2/NDF : 2056.4/46

All: -81.577 $\pm$ 0.527 χ^2/NDF : 4248.5/96

- sign -79.207 $\pm$ 0.743 χ^2/NDF : 2171.7/49

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.112 $\pm$ 0.077 χ^2 /NDF: 75541.5/21

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 92.944 $\pm$ 0.065 χ^2 /NDF: 348322.5/26

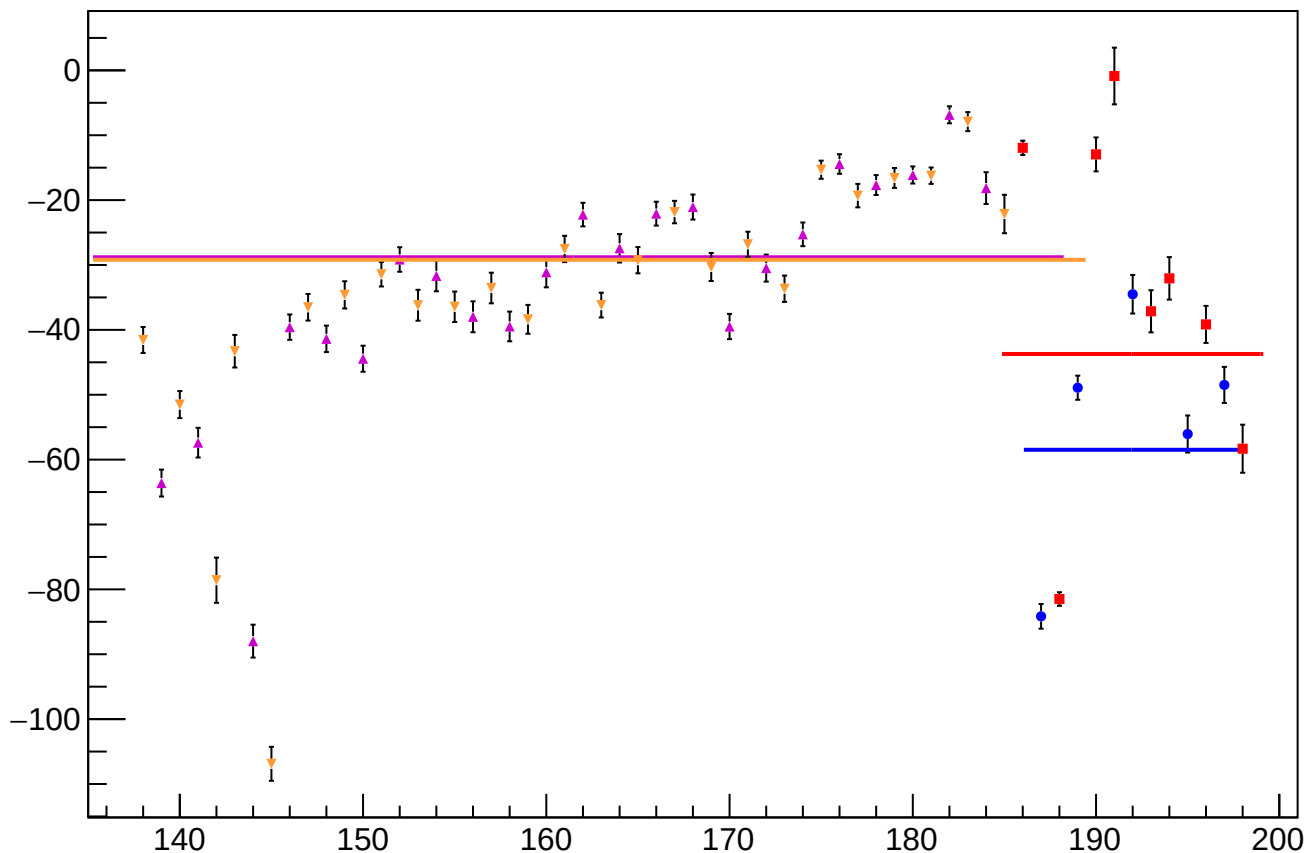
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.920 $\pm$ 0.036 χ^2 /NDF: 96894.5/46

All: 115.900 $\pm$ 0.025 χ^2 /NDF: 593740.9/96

- sign 113.056 $\pm$ 0.035 χ^2 /NDF: 482879.2/49

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -58.485 ± 1.037 χ^2/NDF : 286.5/4

Left Out: -29.199 ± 0.389 χ^2/NDF : 1881.5/24

Right Out: -43.717 ± 0.657 χ^2/NDF : 2403.2/7

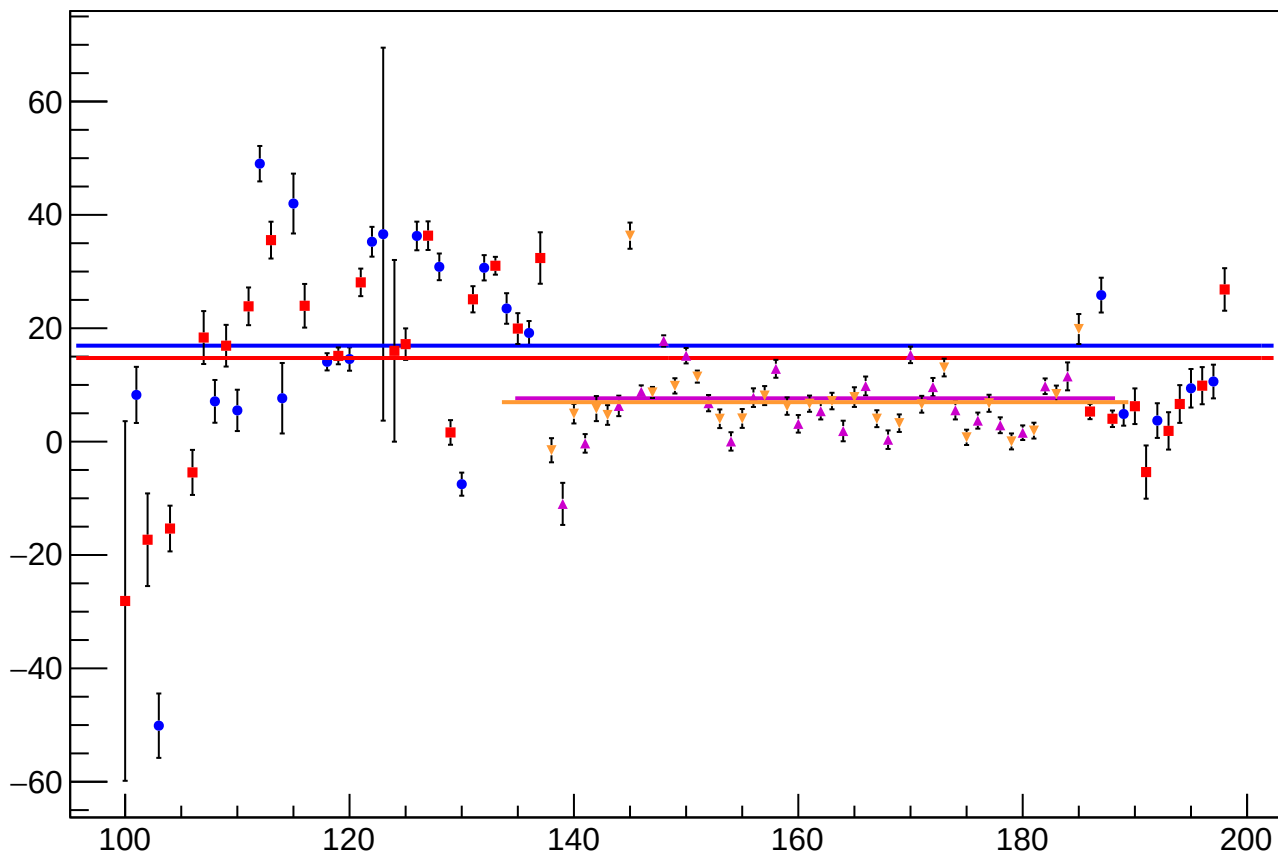
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -32.803 ± 0.364 χ^2/NDF : 2867.1/29

All: -32.789 ± 0.248 χ^2/NDF : 7412.5/60

- sign -32.777 ± 0.339 χ^2/NDF : 4545.4/30

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 16.928 ± 0.579 χ^2/NDF : 696.1/21

Left Out: 6.960 ± 0.303 χ^2/NDF : 321.3/24

Right Out: 14.750 ± 0.504 χ^2/NDF : 603.3/26

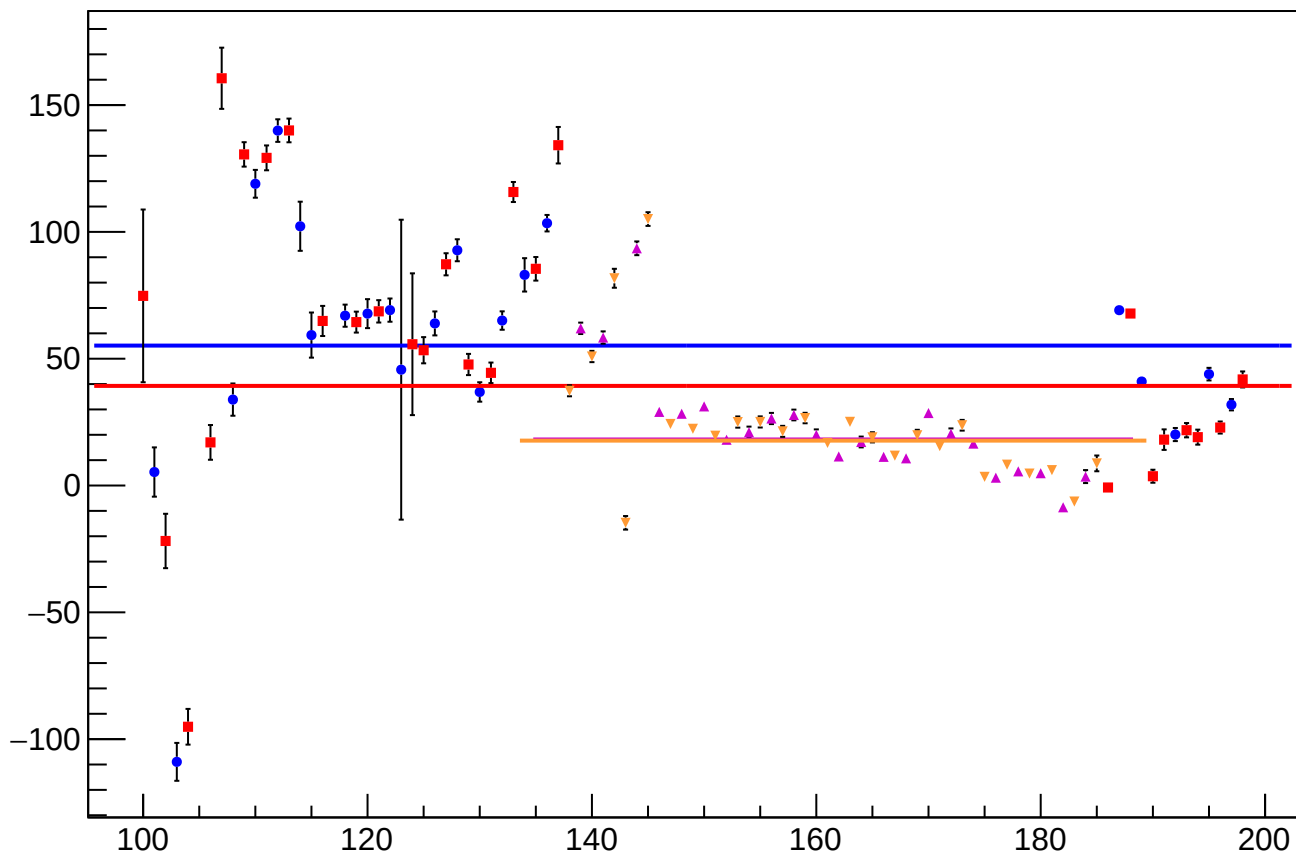
Left In: 7.638 ± 0.313 χ^2/NDF : 337.7/22

+ sign 9.104 ± 0.268 χ^2/NDF : 1250.3/46

All: 9.364 ± 0.189 χ^2/NDF : 2336.6/96

- sign 9.621 ± 0.266 χ^2/NDF : 1084.5/49

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 55.171 $\pm$ 0.712 χ^2 /NDF: 1884.6/21

Left Out: 17.705 $\pm$ 0.387 χ^2 /NDF: 2432.2/24

Right Out: 39.278 $\pm$ 0.494 χ^2 /NDF: 6127.9/26

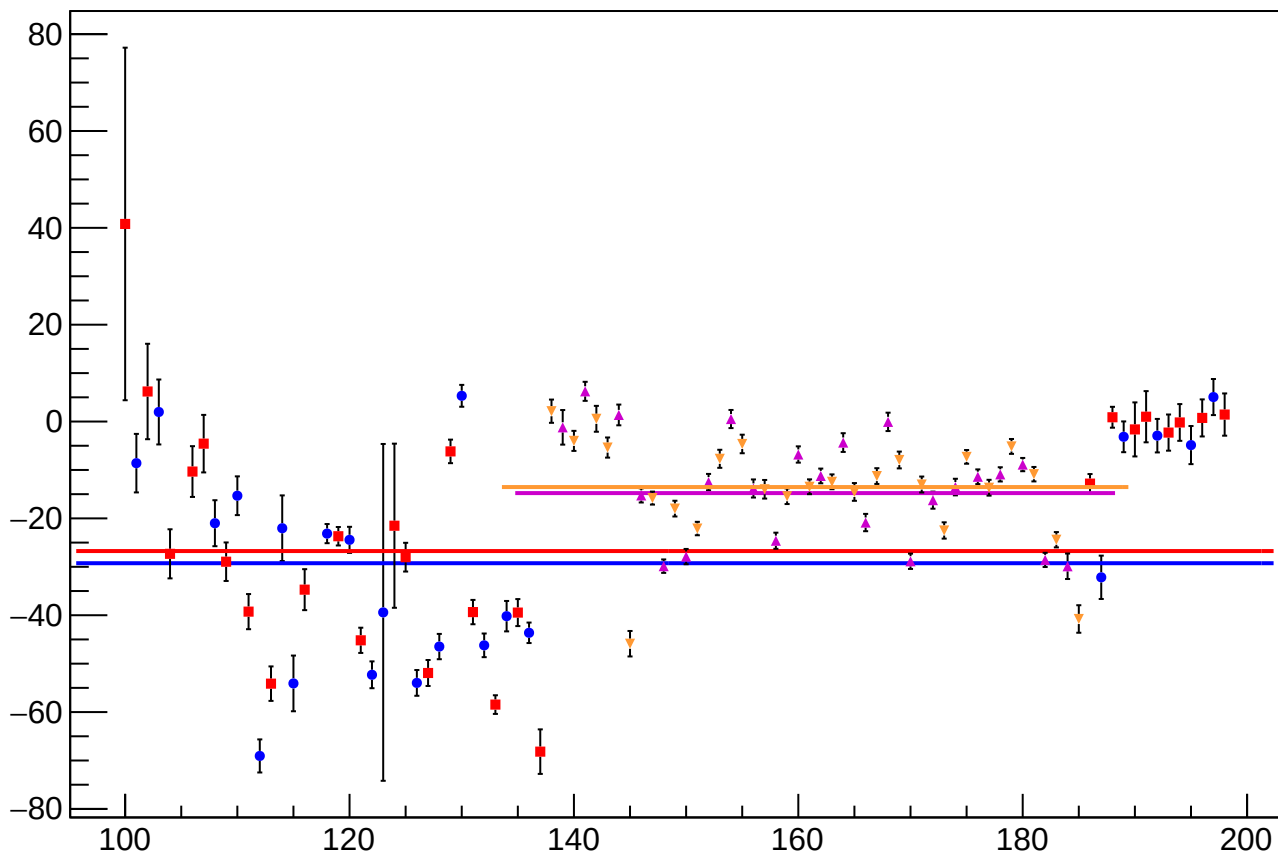
Left In: 18.150 $\pm$ 0.393 χ^2 /NDF: 2339.4/22

+ sign 26.264 $\pm$ 0.340 χ^2 /NDF: 6455.3/46

All: 26.297 $\pm$ 0.228 χ^2 /NDF: 16043.1/96

- sign 26.323 $\pm$ 0.307 χ^2 /NDF: 9587.8/49

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -29.258 ± 0.680 $\chi^2/\text{NDF}: 1006.1/21$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -26.747 ± 0.615 $\chi^2/\text{NDF}: 1170.8/26$

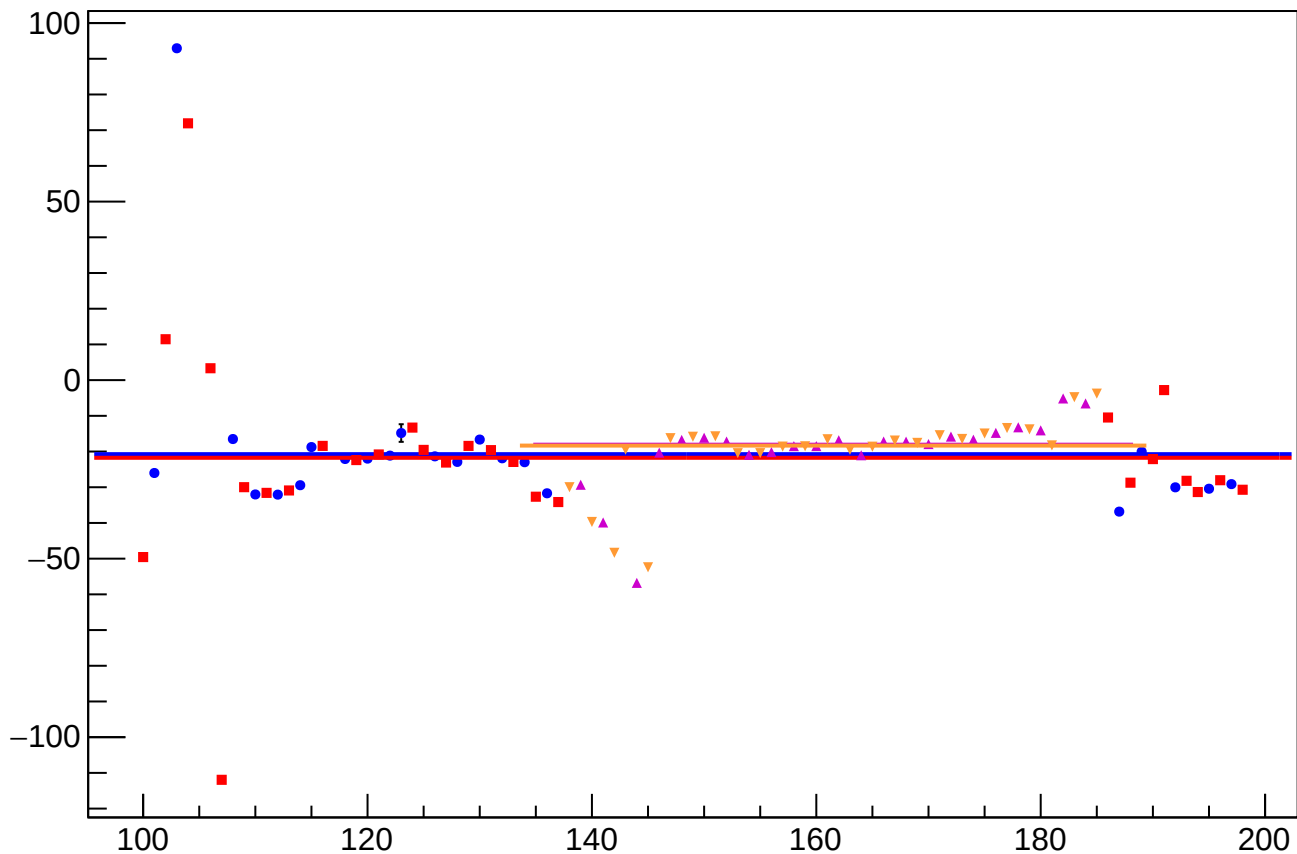
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -16.739 ± 0.307 $\chi^2/\text{NDF}: 2005.1/46$

All: -17.247 ± 0.217 $\chi^2/\text{NDF}: 4303.6/96$

- sign -17.755 ± 0.307 $\chi^2/\text{NDF}: 2293.0/49$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.735 ± 0.036 χ^2/NDF : 506161.7/21

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -21.751 ± 0.032 χ^2/NDF : 483711.4/26

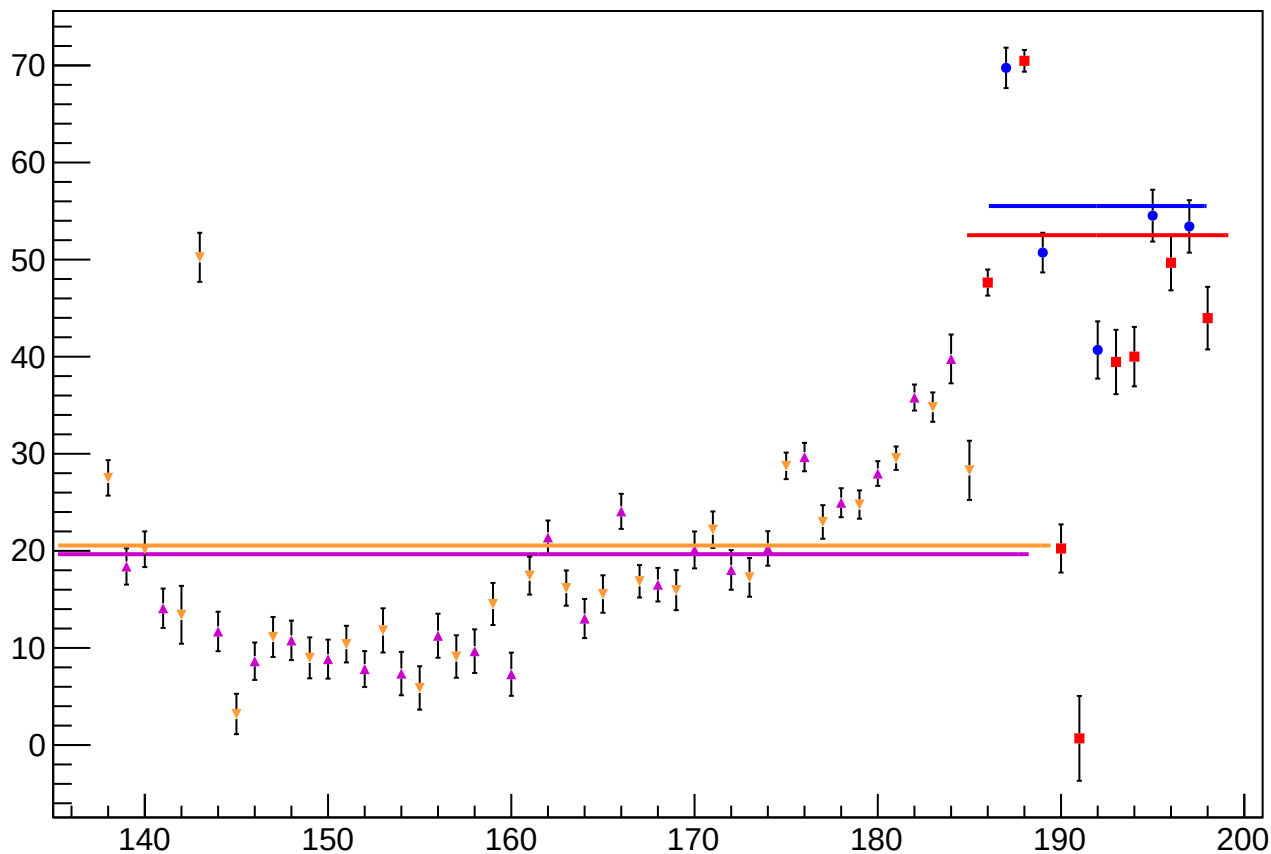
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -18.728 ± 0.014 χ^2/NDF : 794081.1/46

All: -18.779 ± 0.010 χ^2/NDF : 1530348.3/96

- sign -18.830 ± 0.014 χ^2/NDF : 736242.2/49

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 55.516 $\pm$ 1.076 χ^2 /NDF: 78.2/4

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF: 626.4/24

Right Out: 52.513 $\pm$ 0.709 χ^2 /NDF: 621.4/7

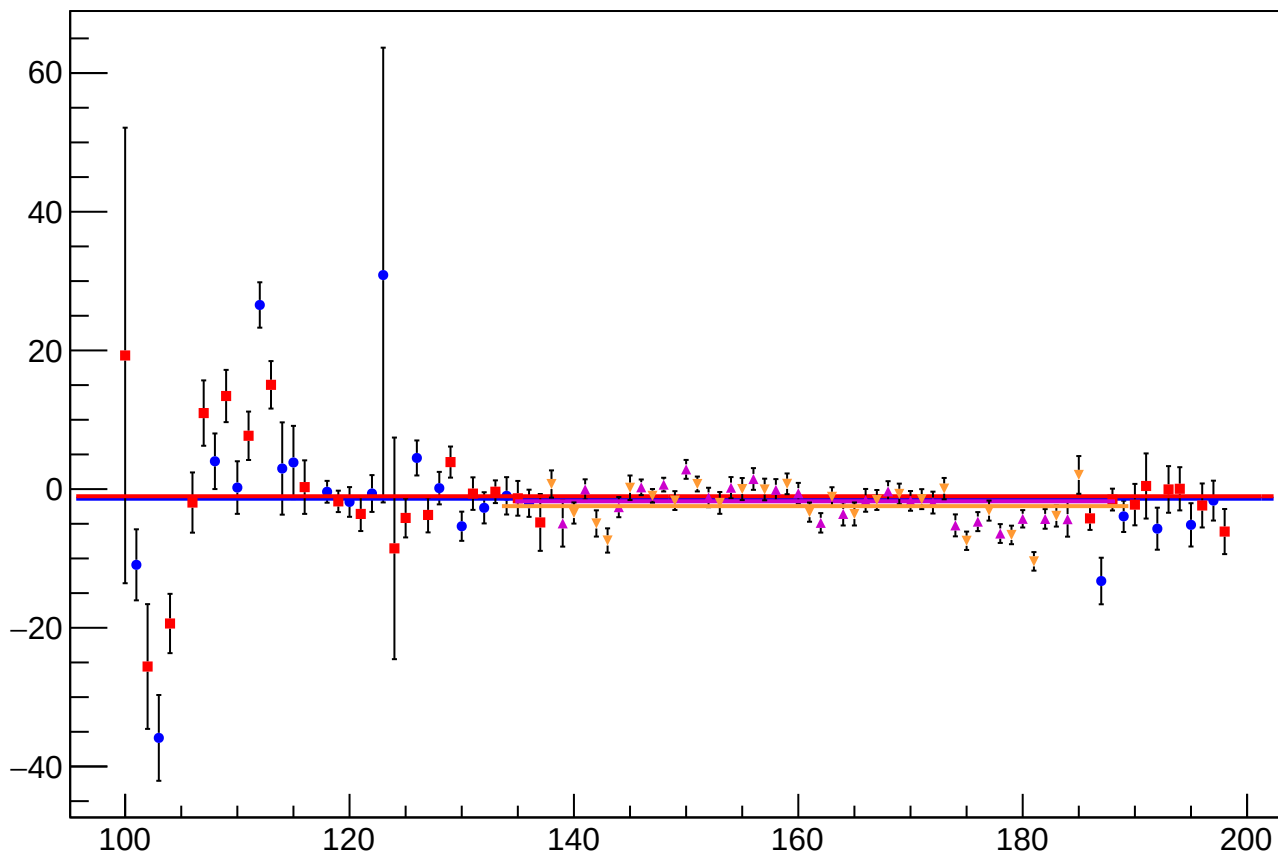
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

+ sign 24.299 $\pm$ 0.352 χ^2 /NDF: 1646.5/29

All: 25.713 $\pm$ 0.243 χ^2 /NDF: 4536.3/60

- sign 26.993 $\pm$ 0.335 χ^2 /NDF: 2859.2/30

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.384 ± 0.588 χ^2/NDF : 139.5/21

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.029 ± 0.525 χ^2/NDF : 92.5/26

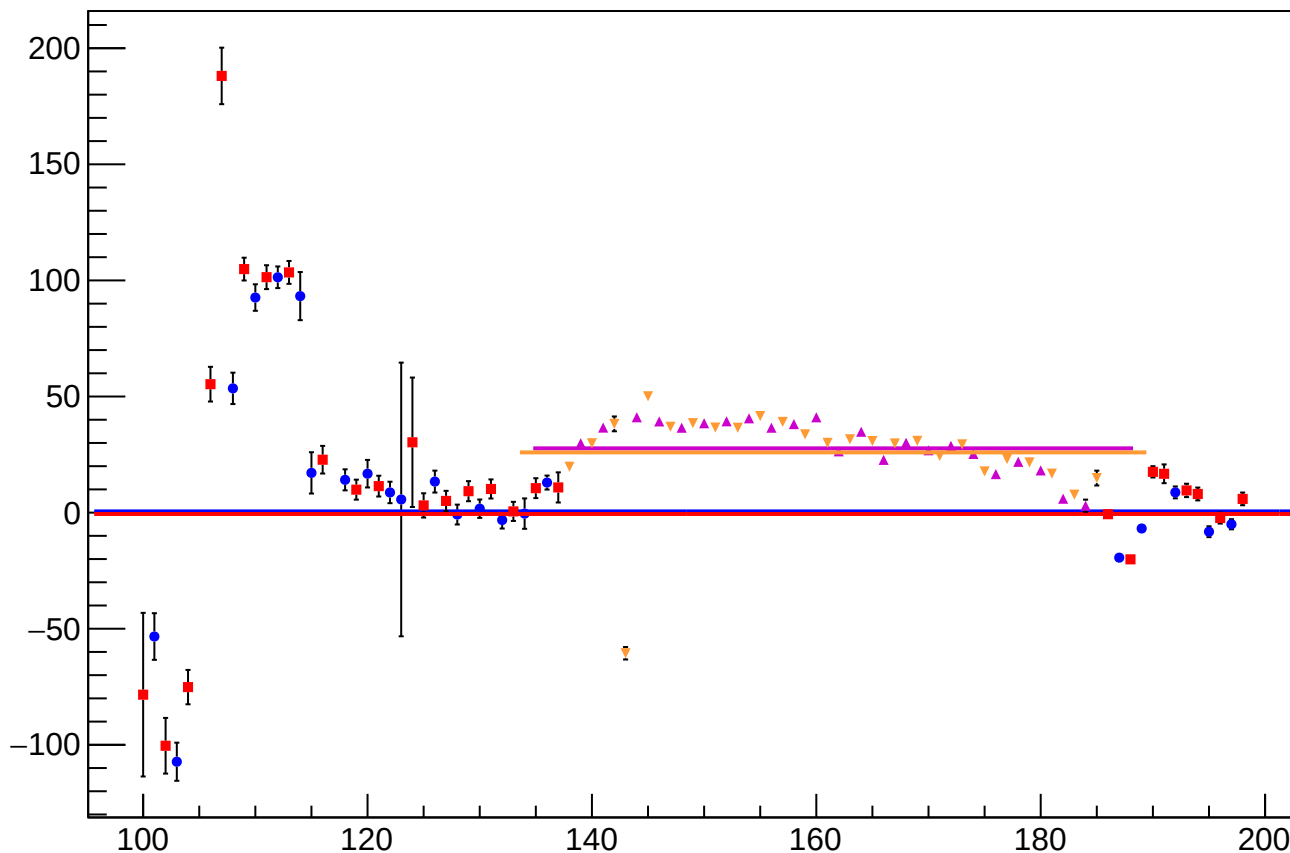
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.243 ± 0.262 χ^2/NDF : 248.1/46

All: -1.910 ± 0.185 χ^2/NDF : 412.7/96

- sign -1.577 ± 0.262 χ^2/NDF : 161.4/49

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 0.518 ± 0.734 χ^2/NDF : 1303.1/21

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -0.578 ± 0.532 χ^2/NDF : 2399.2/26

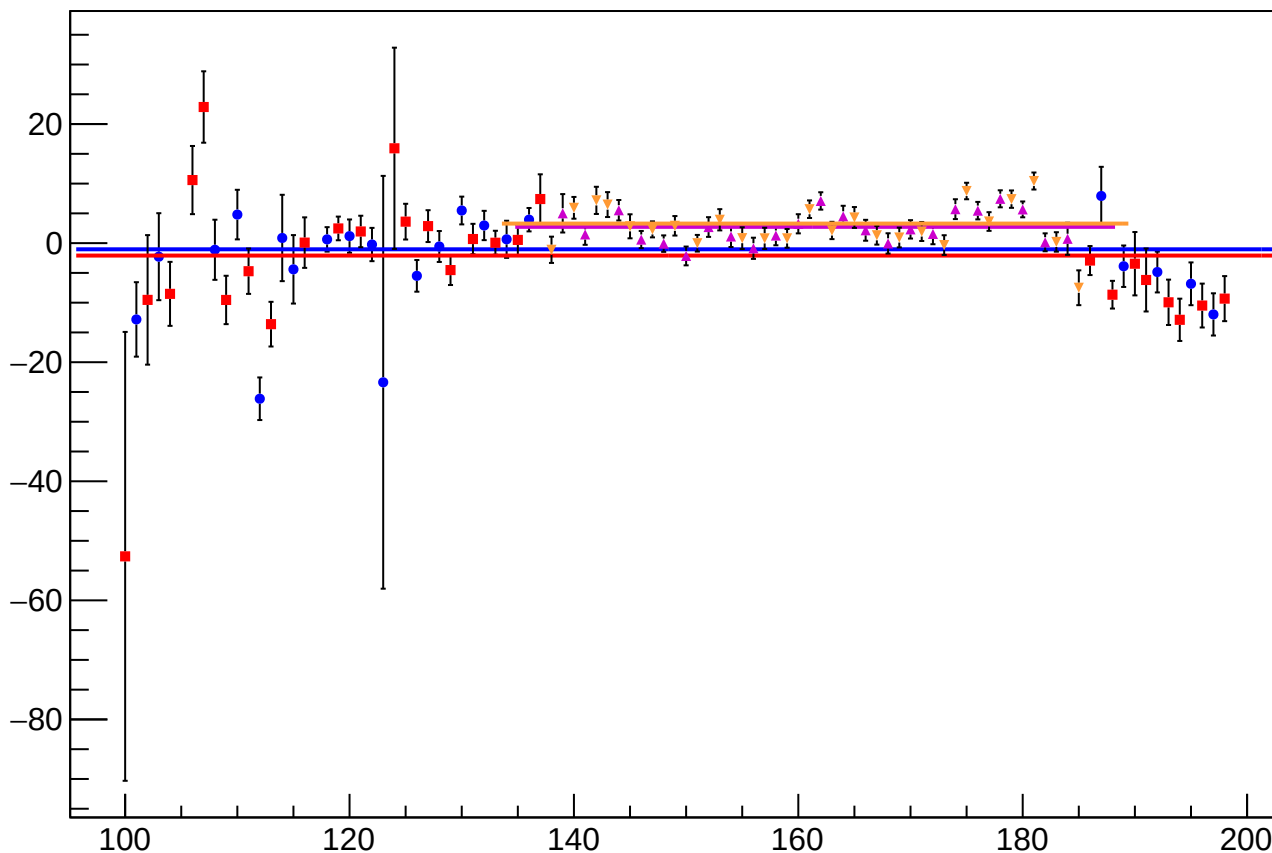
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 20.739 ± 0.332 χ^2/NDF : 3968.0/46

All: 19.376 ± 0.226 χ^2/NDF : 9074.2/96

- sign 18.200 ± 0.308 χ^2/NDF : 5074.9/49

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.035 ± 0.685 χ^2/NDF : 94.3/21

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -2.087 ± 0.633 χ^2/NDF : 95.8/26

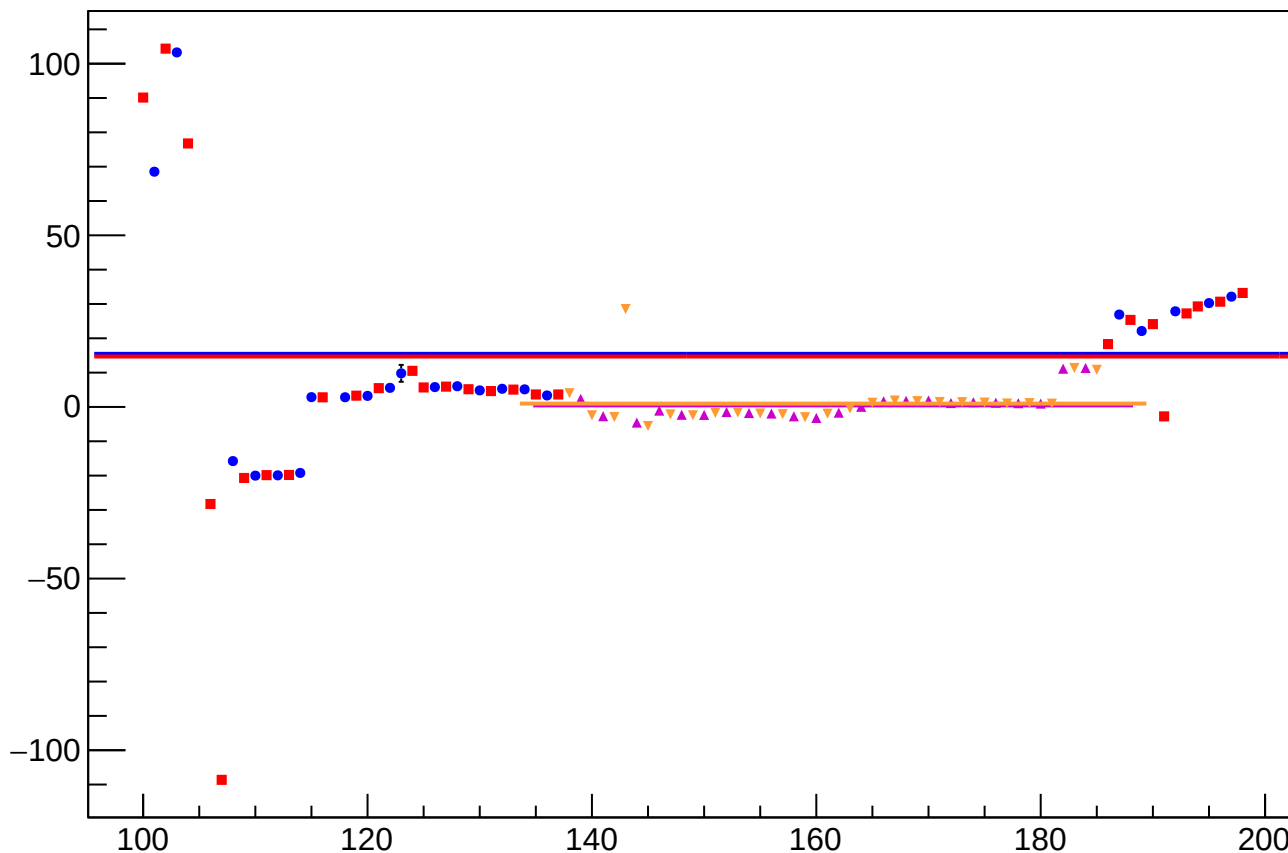
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.464 ± 0.298 χ^2/NDF : 228.8/46

All: 2.061 ± 0.212 χ^2/NDF : 437.8/96

- sign 1.652 ± 0.300 χ^2/NDF : 205.3/49

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 15.469 $\pm$ 0.035 χ^2 /NDF: 443421.6/21

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF: 117391.3/24

Right Out: 14.693 $\pm$ 0.032 χ^2 /NDF: 674650.3/26

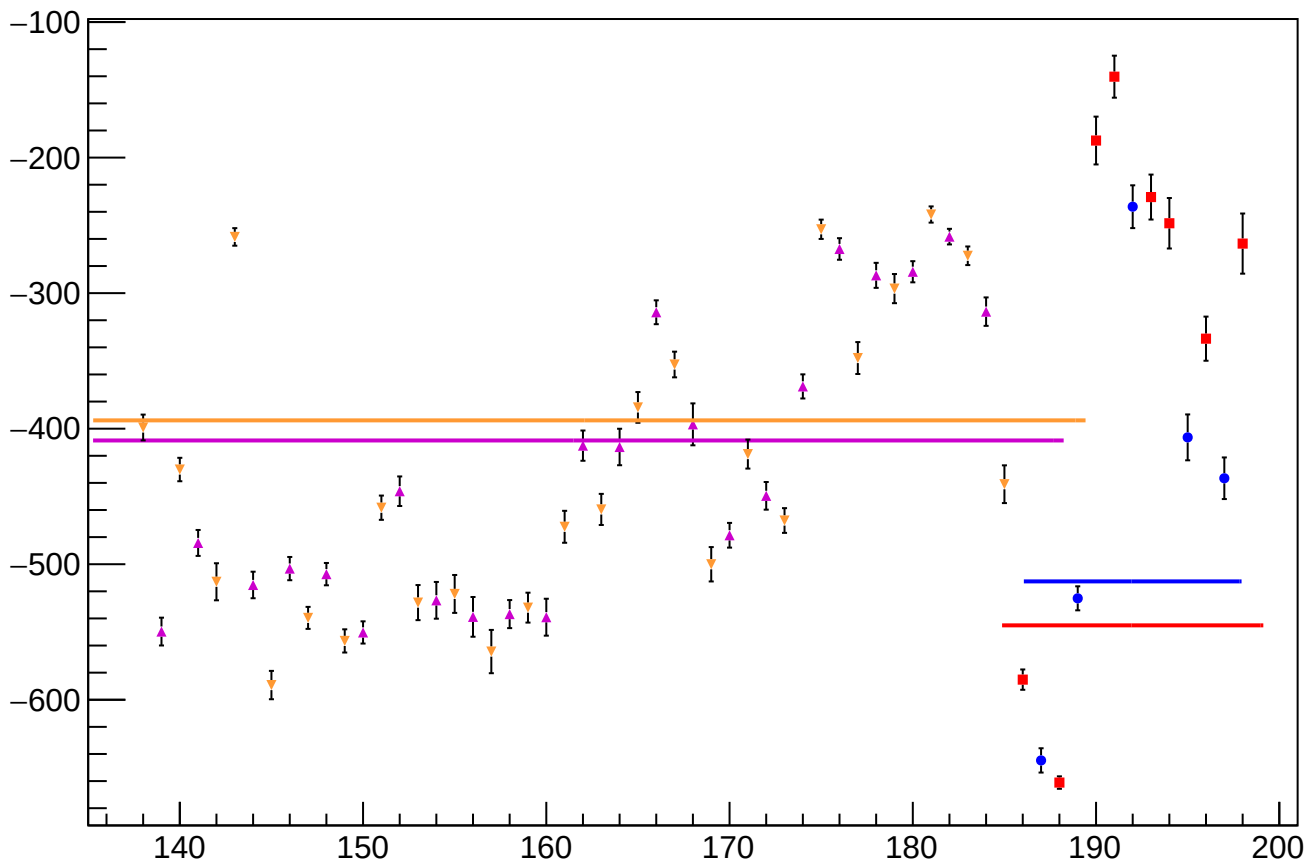
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 3.242 $\pm$ 0.014 χ^2 /NDF: 702874.4/46

All: 3.206 $\pm$ 0.010 χ^2 /NDF: 1590920.4/96

- sign 3.171 $\pm$ 0.014 χ^2 /NDF: 888033.2/49

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -512.669+/-5.204 χ^2/NDF : 589.5/4

Left Out: -393.871+/-1.897 χ^2/NDF : 3772.8/24

Right Out: -545.106+/-3.433 χ^2/NDF : 2705.8/7

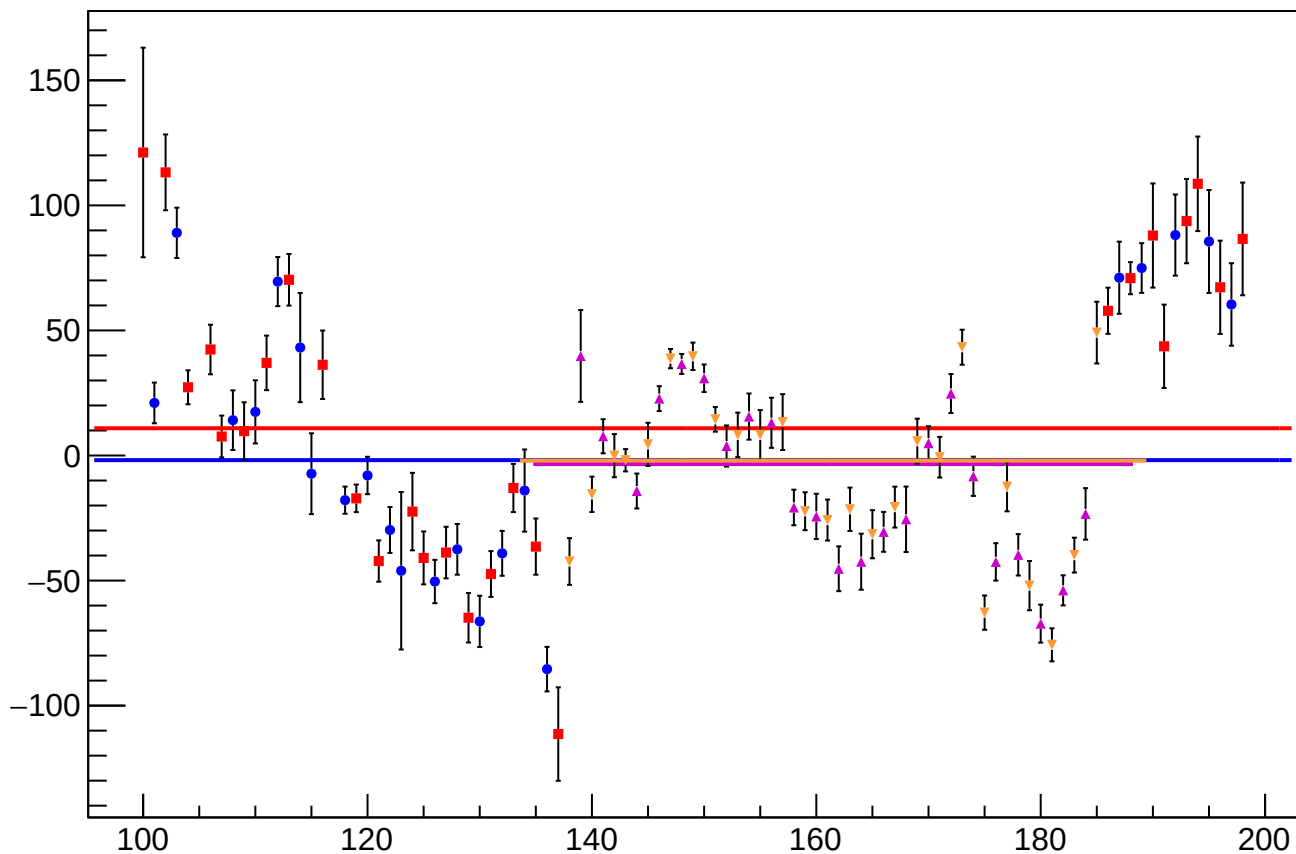
Left In: -408.696+/-1.979 χ^2/NDF : 3062.9/22

+ sign -407.804+/-1.782 χ^2/NDF : 4822.3/29

All: -425.943+/-1.236 χ^2/NDF : 11975.6/60

- sign -442.726+/-1.714 χ^2/NDF : 6953.9/30

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -1.852 ± 2.207 $\chi^2/\text{NDF}: 509.2/21$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 10.896 ± 2.006 $\chi^2/\text{NDF}: 597.8/26$

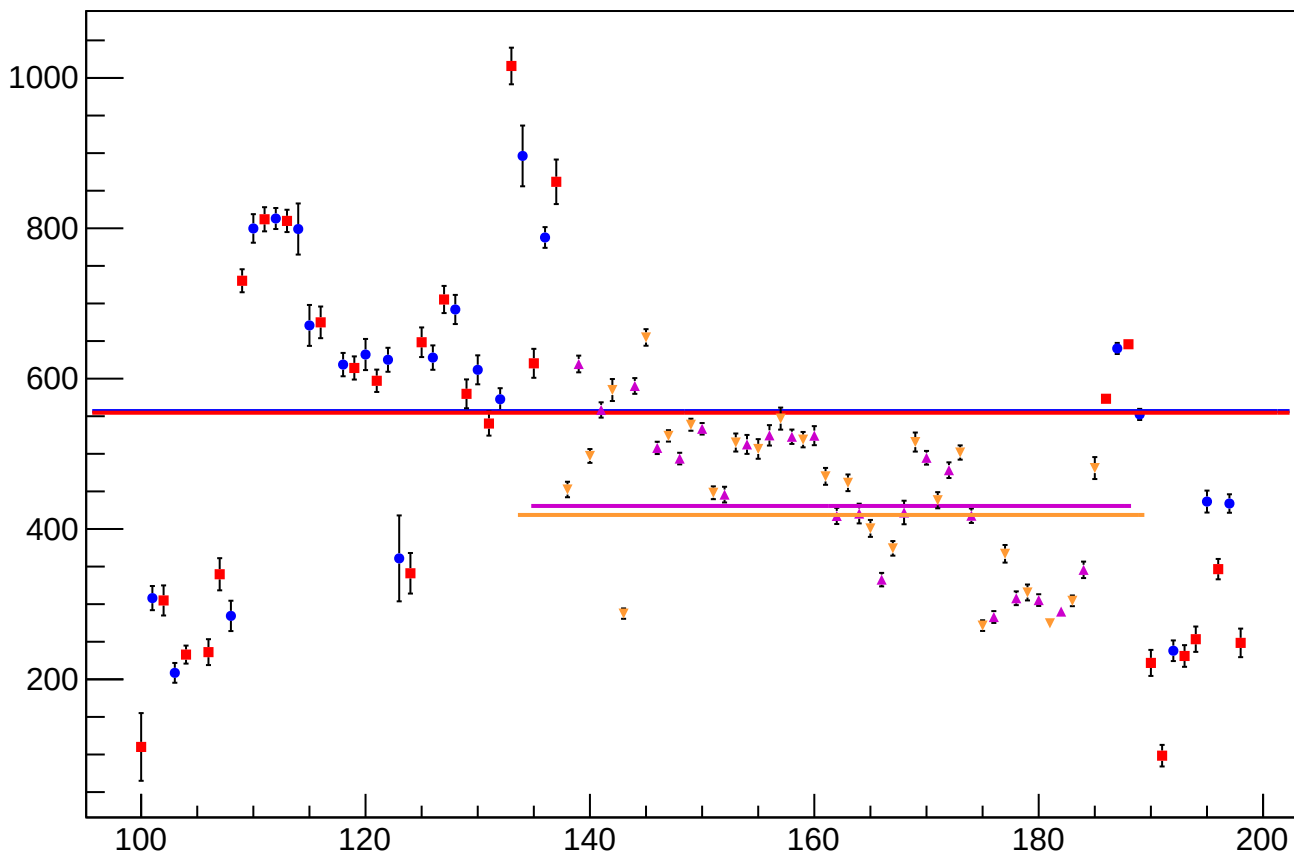
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign -1.983 ± 1.197 $\chi^2/\text{NDF}: 1072.9/46$

All: -0.113 ± 0.851 $\chi^2/\text{NDF}: 2159.0/96$

- sign 1.803 ± 1.211 $\chi^2/\text{NDF}: 1081.1/49$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 556.869 ± 3.073 $\chi^2/\text{NDF}: 3012.6/21$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 554.652 ± 2.329 $\chi^2/\text{NDF}: 6108.4/26$

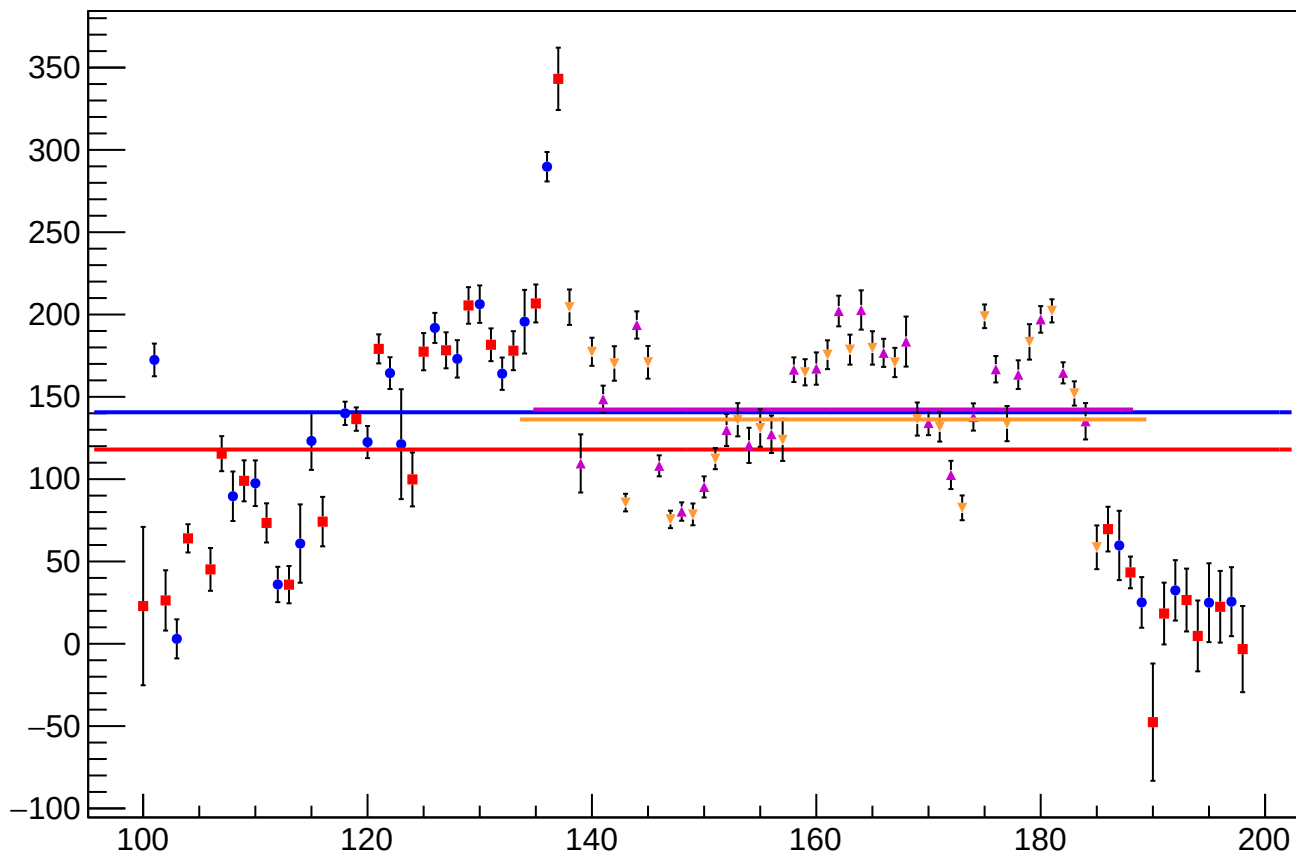
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 457.047 ± 1.619 $\chi^2/\text{NDF}: 7770.2/46$

All: 470.642 ± 1.102 $\chi^2/\text{NDF}: 18512.8/96$

- sign 482.382 ± 1.504 $\chi^2/\text{NDF}: 10611.2/49$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 140.623 ± 2.590 $\chi^2/\text{NDF}: 807.3/21$

Left Out: 136.258 ± 1.651 $\chi^2/\text{NDF}: 758.3/24$

Right Out: 117.994 ± 2.397 $\chi^2/\text{NDF}: 834.8/26$

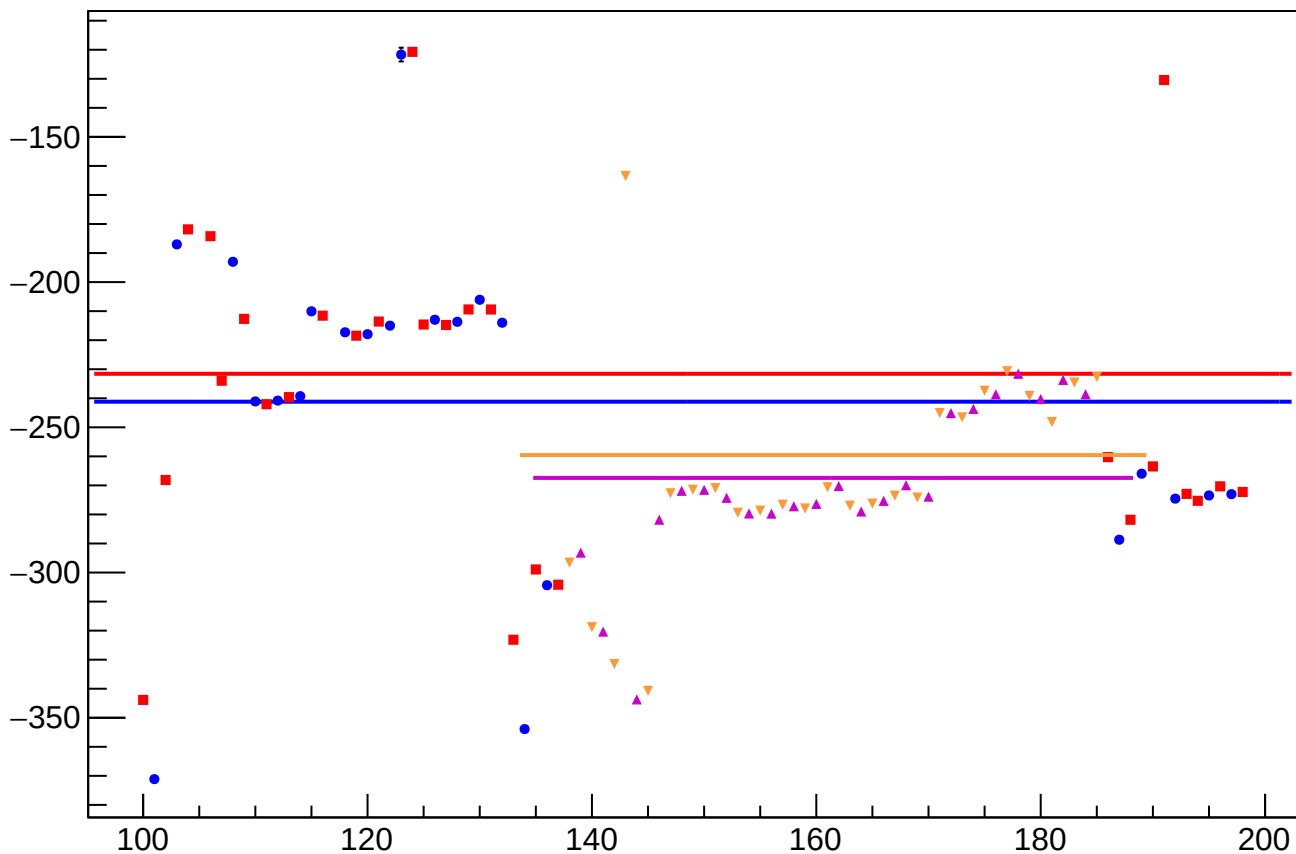
Left In: 142.296 ± 1.745 $\chi^2/\text{NDF}: 459.8/22$

+ sign 137.520 ± 1.392 $\chi^2/\text{NDF}: 1567.6/46$

All: 135.725 ± 0.991 $\chi^2/\text{NDF}: 2932.7/96$

- sign 133.881 ± 1.411 $\chi^2/\text{NDF}: 1361.7/49$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -241.179 ± 0.136 $\chi^2/\text{NDF}: 156891.3/21$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -231.569 ± 0.121 $\chi^2/\text{NDF}: 165974.2/26$

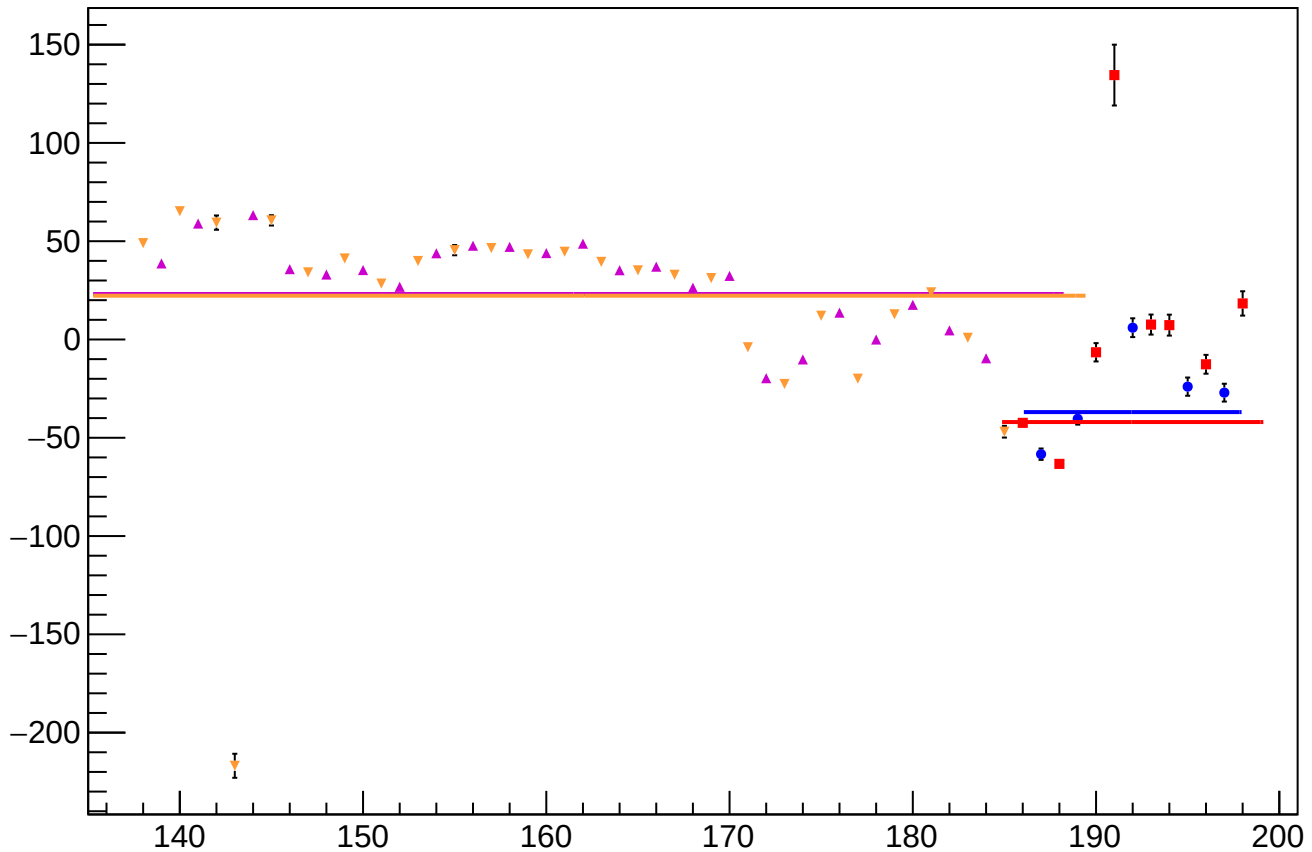
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -254.905 ± 0.068 $\chi^2/\text{NDF}: 408794.6/46$

All: -255.541 ± 0.048 $\chi^2/\text{NDF}: 733454.8/96$

- sign -256.164 ± 0.068 $\chi^2/\text{NDF}: 324488.8/49$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -36.937 ± 1.637 $\chi^2/\text{NDF}: 149.2/4$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -42.001 ± 1.036 $\chi^2/\text{NDF}: 687.2/7$

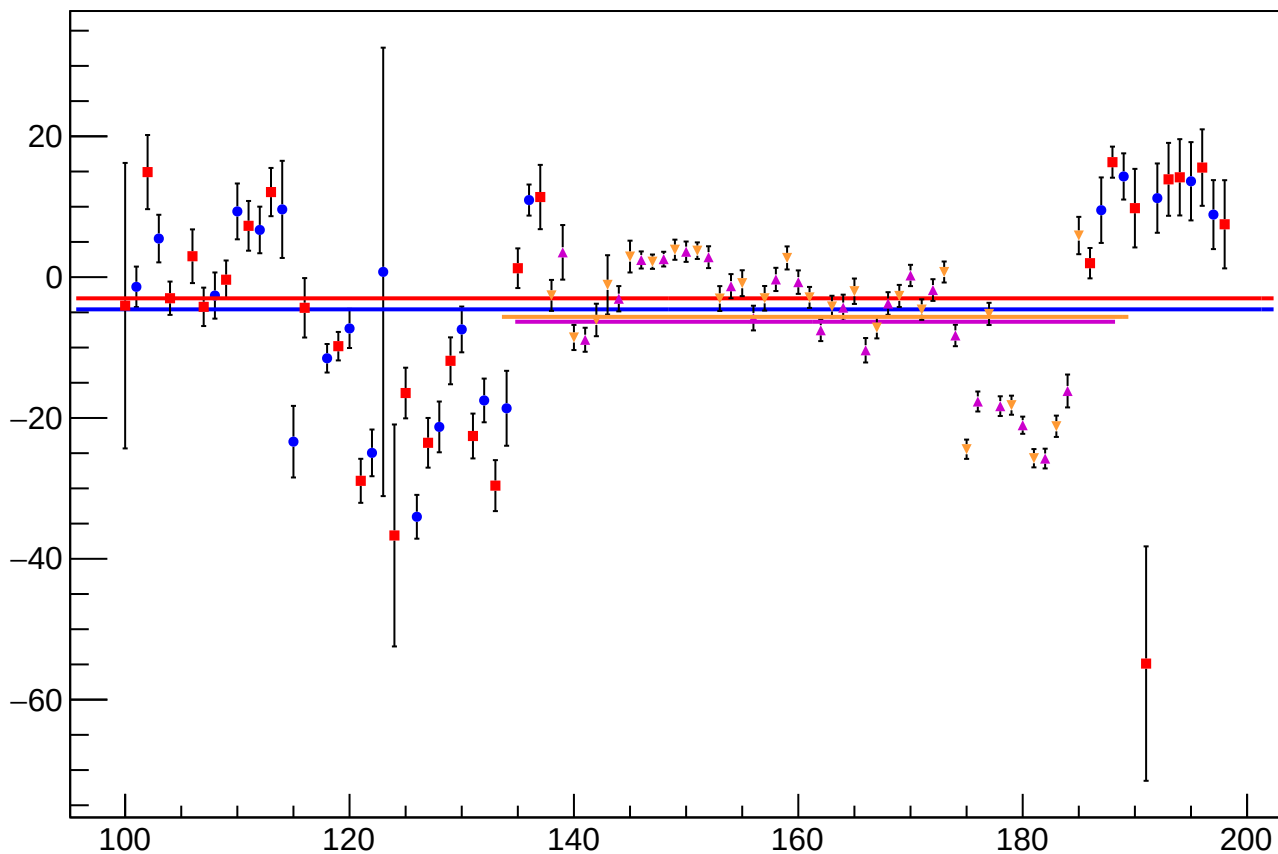
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 18.962 ± 0.387 $\chi^2/\text{NDF}: 6555.4/29$

All: 16.720 ± 0.269 $\chi^2/\text{NDF}: 13491.4/60$

- sign 14.626 ± 0.374 $\chi^2/\text{NDF}: 6871.2/30$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.575 ± 0.734 χ^2/NDF : 359.3/21

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -3.009 ± 0.658 χ^2/NDF : 418.8/26

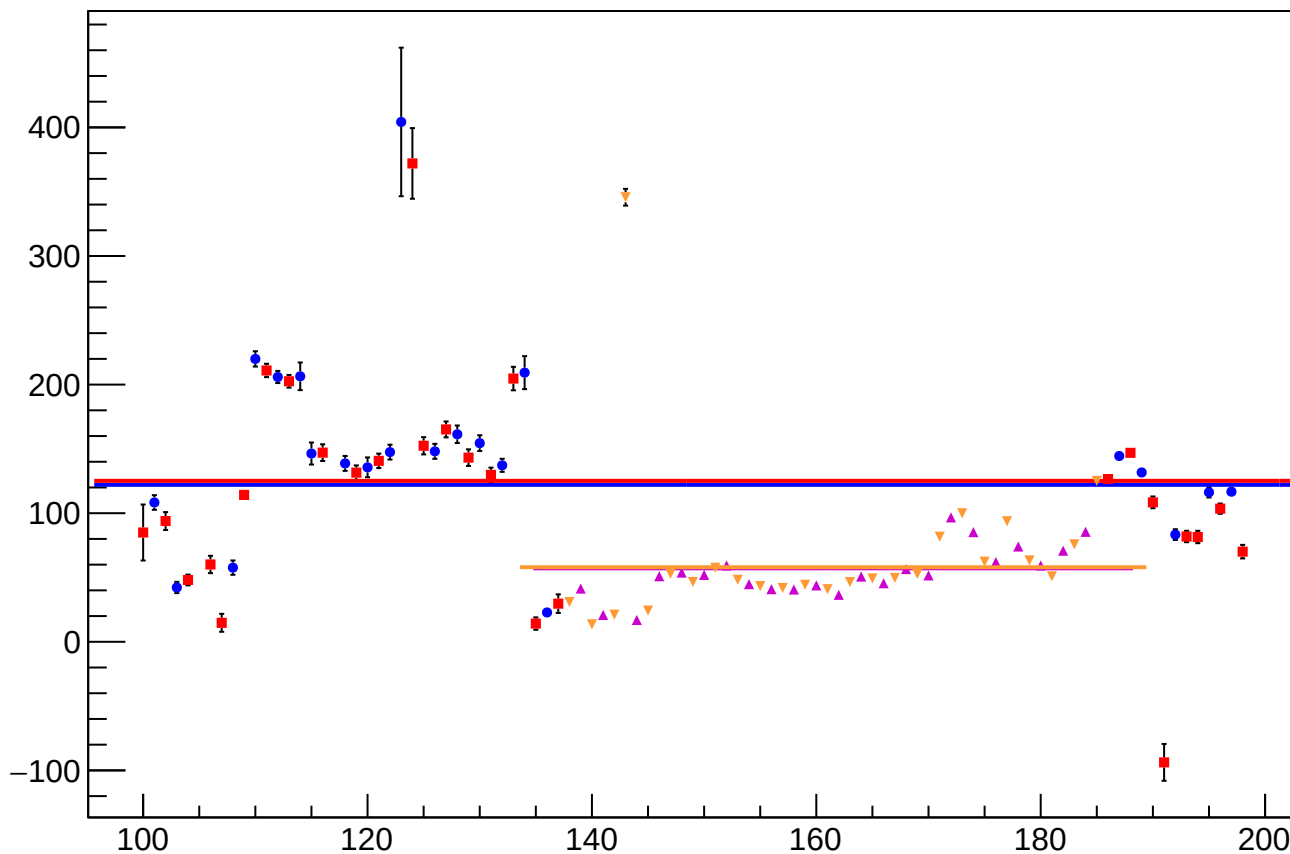
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -5.476 ± 0.290 χ^2/NDF : 1254.9/46

All: -5.587 ± 0.205 χ^2/NDF : 2477.6/96

- sign -5.697 ± 0.289 χ^2/NDF : 1222.4/49

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 122.087 $\pm$ 0.986 χ^2 /NDF: 2366.1/21

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 125.169 $\pm$ 0.721 χ^2 /NDF: 3049.5/26

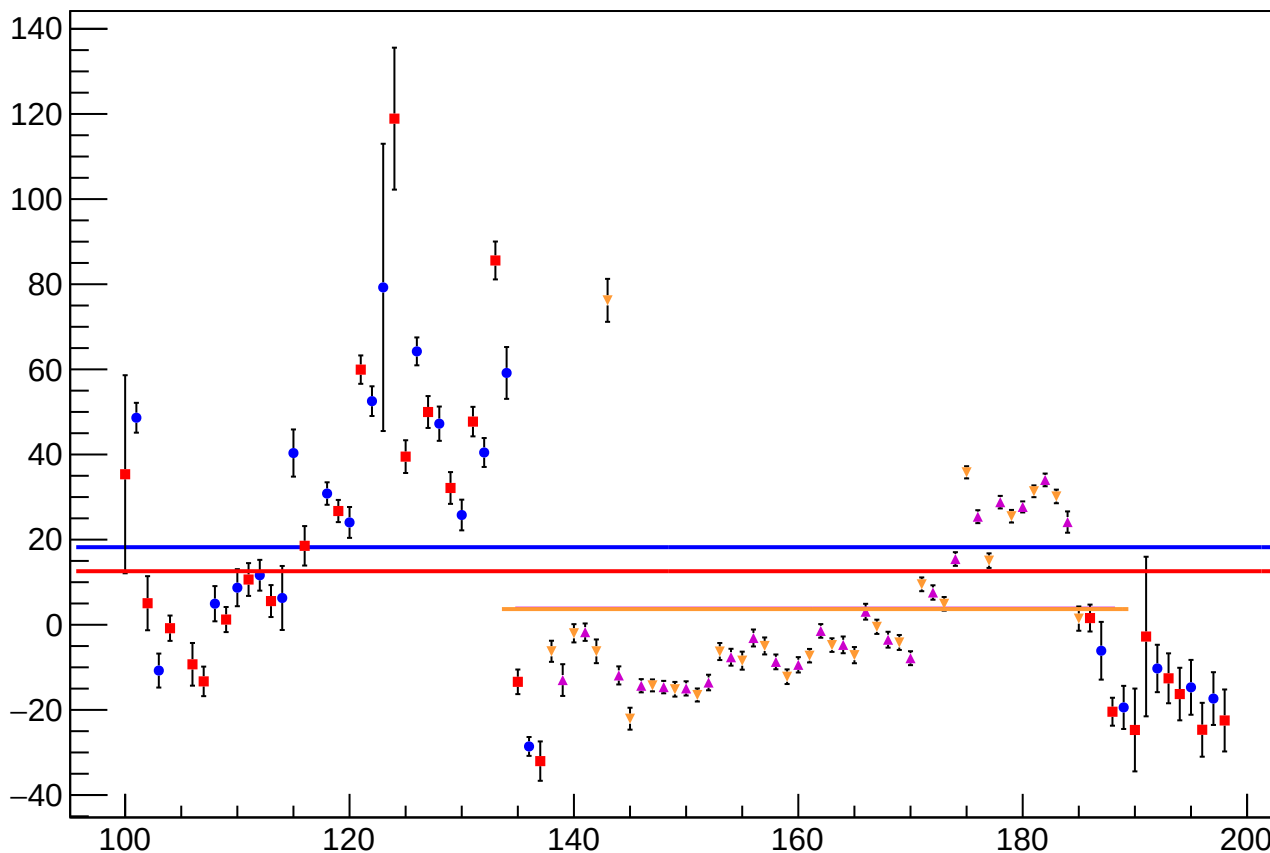
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 66.969 $\pm$ 0.369 χ^2 /NDF: 10636.3/46

All: 70.222 $\pm$ 0.254 χ^2 /NDF: 22454.3/96

- sign 73.138 $\pm$ 0.349 χ^2 /NDF: 11670.7/49

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 18.224 $\pm$ 0.852 χ^2 /NDF: 1232.0/21

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF: 2541.7/24

Right Out: 12.581 $\pm$ 0.786 χ^2 /NDF: 1337.7/26

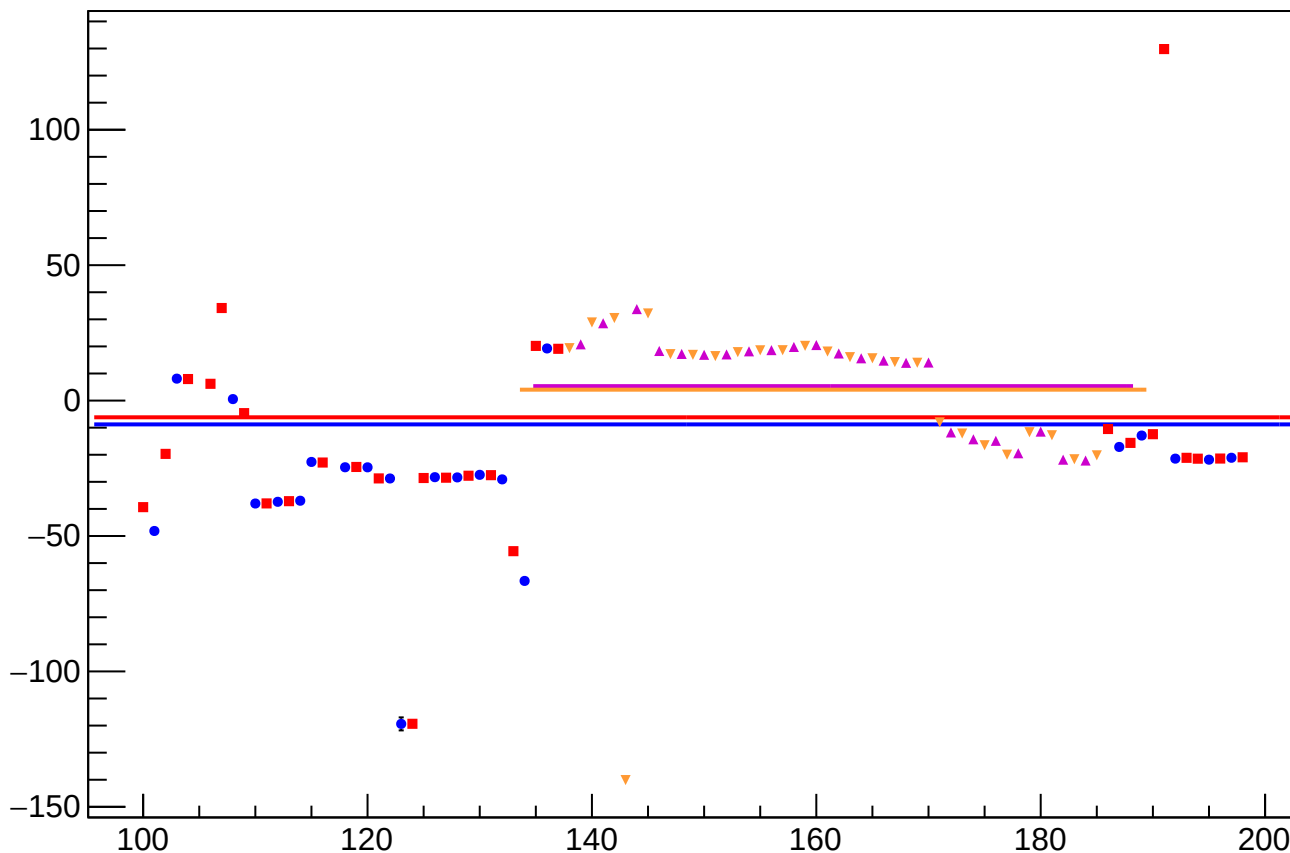
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF: 2198.8/22

+ sign 5.852 $\pm$ 0.329 χ^2 /NDF: 4021.4/46

All: 5.588 $\pm$ 0.233 χ^2 /NDF: 7662.5/96

- sign 5.324 $\pm$ 0.329 χ^2 /NDF: 3639.8/49

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.791 ± 0.042 $\chi^2/\text{NDF}: 280718.0/21$

Left Out: 4.026 ± 0.016 $\chi^2/\text{NDF}: 1383143.9/24$

Right Out: -6.171 ± 0.039 $\chi^2/\text{NDF}: 368950.2/26$

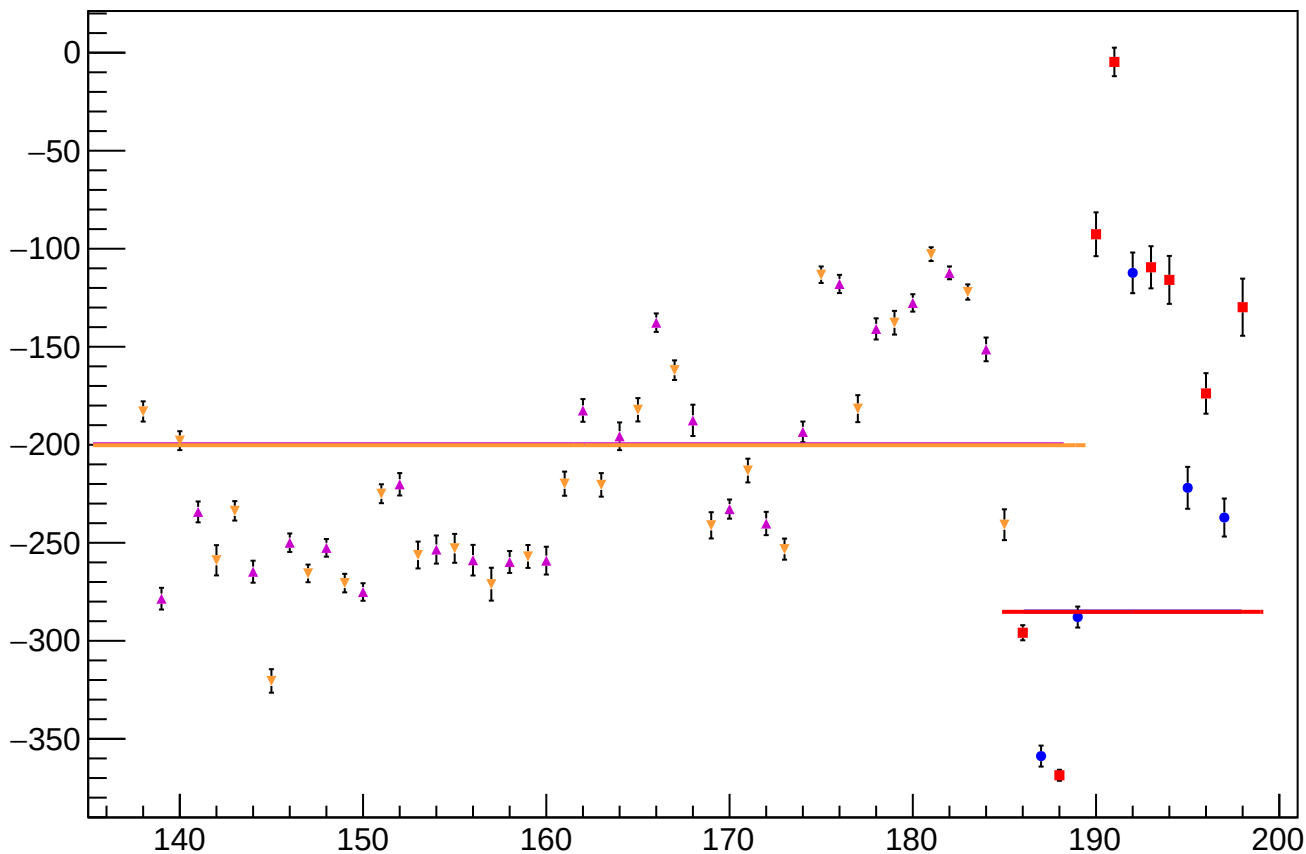
Left In: 5.335 ± 0.016 $\chi^2/\text{NDF}: 1077818.8/22$

+ sign 2.324 ± 0.015 $\chi^2/\text{NDF}: 1745301.0/46$

All: 2.969 ± 0.011 $\chi^2/\text{NDF}: 3269432.3/96$

- sign 3.605 ± 0.015 $\chi^2/\text{NDF}: 1520575.8/49$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -285.074 ± 3.187 χ^2/NDF : 526.6/4

Left Out: -200.228 ± 1.078 χ^2/NDF : 3225.0/24

Right Out: -285.214 ± 2.000 χ^2/NDF : 3357.1/7

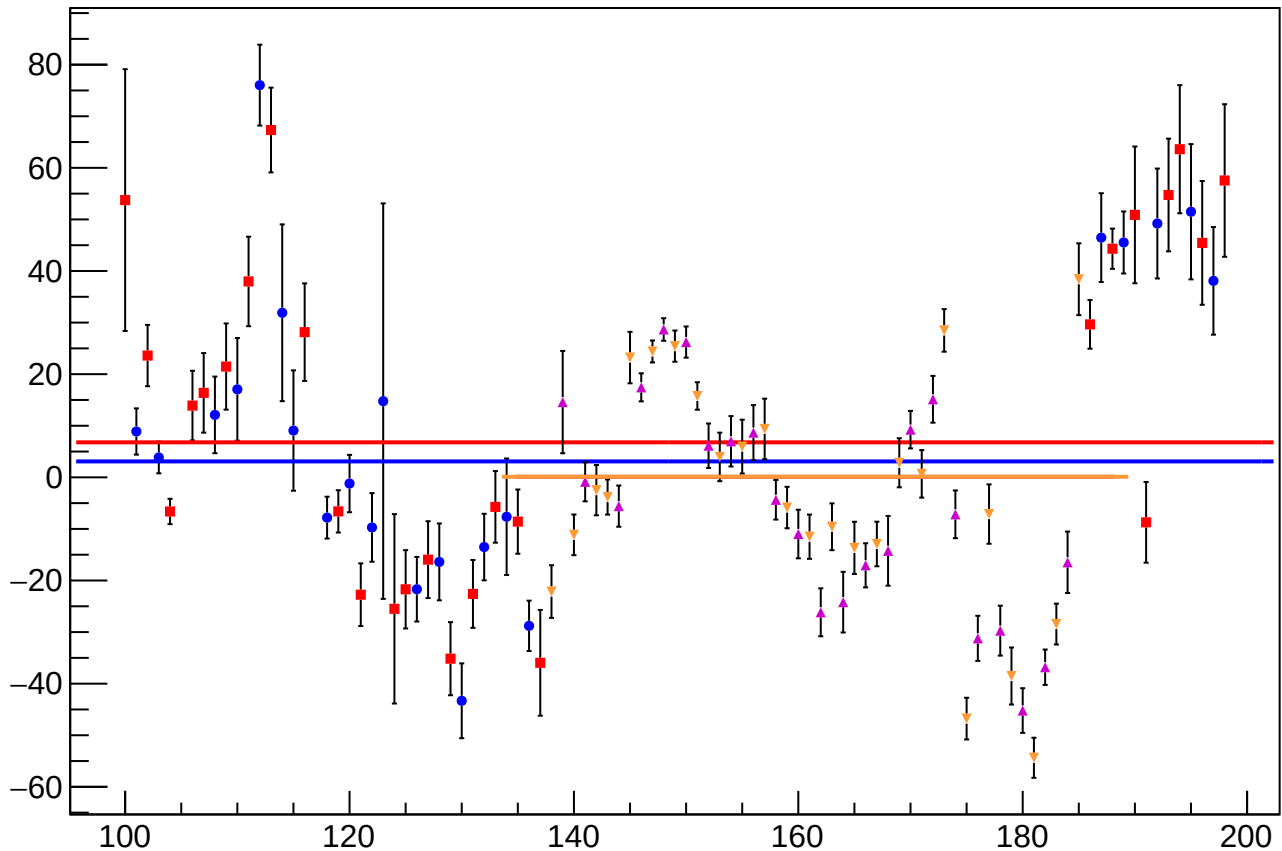
Left In: -199.739 ± 1.097 χ^2/NDF : 2968.0/22

+ sign -208.938 ± 1.021 χ^2/NDF : 4387.8/29

All: -214.542 ± 0.700 χ^2/NDF : 12173.6/60

- sign -219.518 ± 0.962 χ^2/NDF : 7729.0/30

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 3.087 ± 1.376 $\chi^2/\text{NDF}: 338.8/21$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 6.788 ± 1.221 $\chi^2/\text{NDF}: 455.4/26$

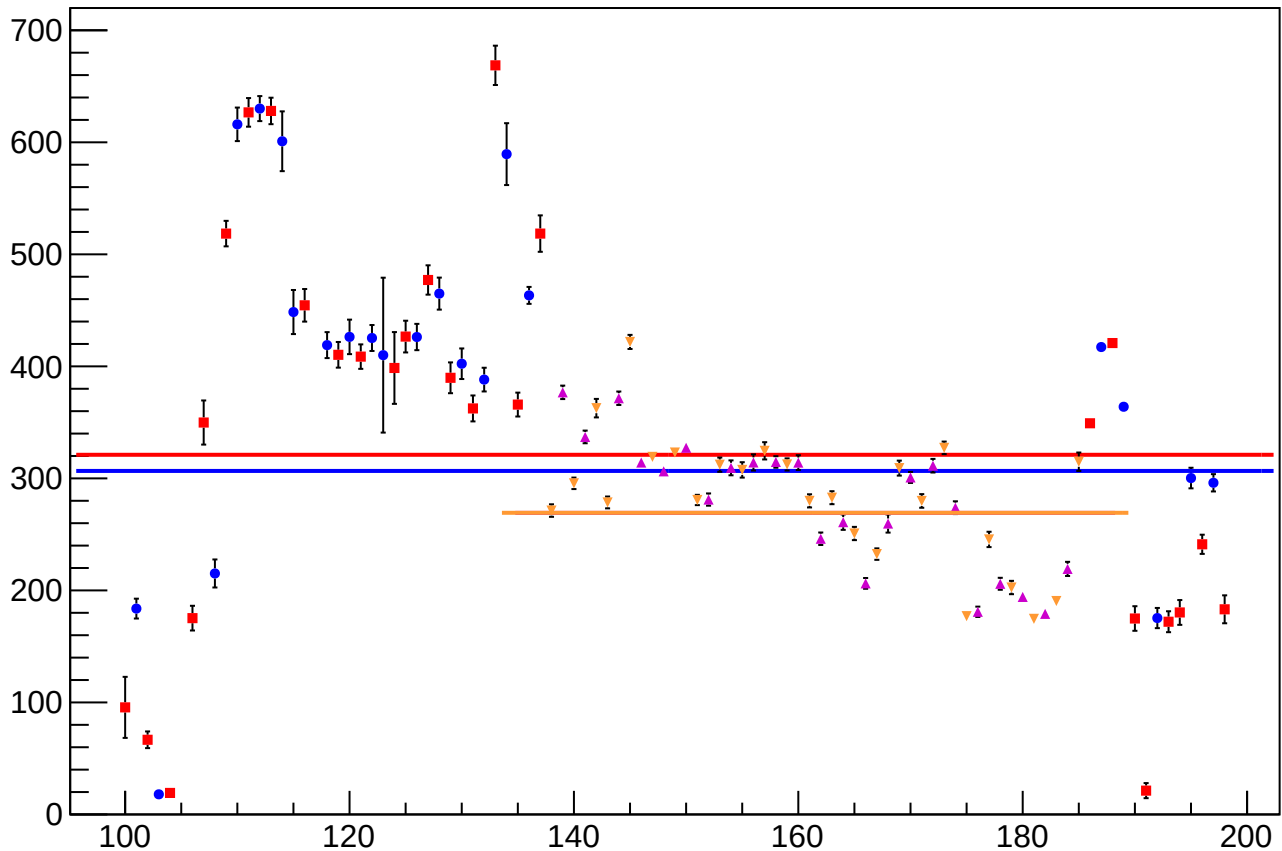
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 0.871 ± 0.696 $\chi^2/\text{NDF}: 1173.6/46$

All: 1.561 ± 0.490 $\chi^2/\text{NDF}: 2366.8/96$

- sign 2.240 ± 0.691 $\chi^2/\text{NDF}: 1191.3/49$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 306.651 ± 1.813 $\chi^2/\text{NDF}: 8907.5/21$

Left Out: 269.278 ± 1.078 $\chi^2/\text{NDF}: 3146.7/24$

Right Out: 321.066 ± 1.364 $\chi^2/\text{NDF}: 13605.6/26$

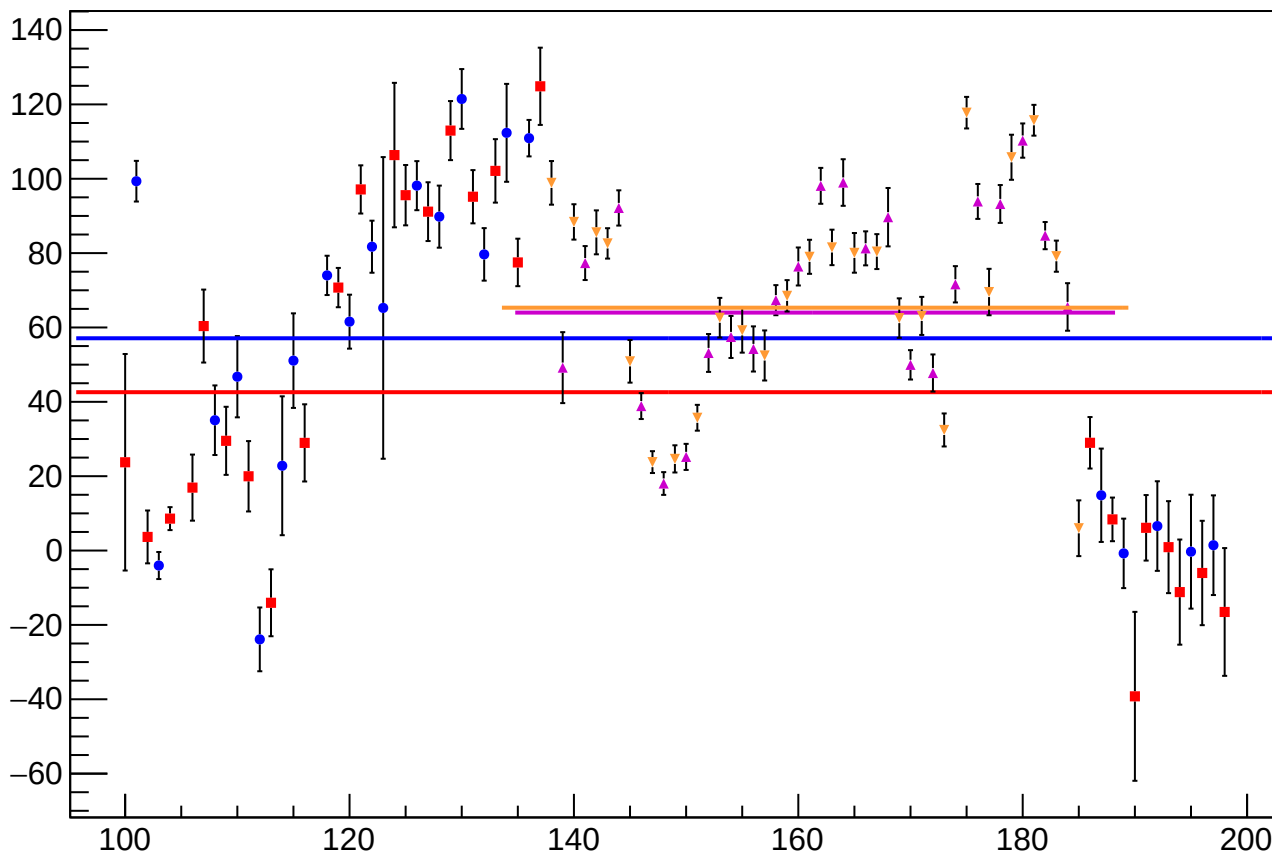
Left In: 269.191 ± 1.091 $\chi^2/\text{NDF}: 3170.2/22$

+ sign 279.034 ± 0.926 $\chi^2/\text{NDF}: 12368.2/46$

All: 284.657 ± 0.627 $\chi^2/\text{NDF}: 30094.0/96$

- sign 289.414 ± 0.852 $\chi^2/\text{NDF}: 17657.8/49$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 57.097 $\pm$ 1.618 χ^2 /NDF: 829.1/21

Left Out: 65.323 $\pm$ 0.935 χ^2 /NDF:1007.1/24

Right Out: 42.592 $\pm$ 1.483 χ^2 /NDF: 794.0/26

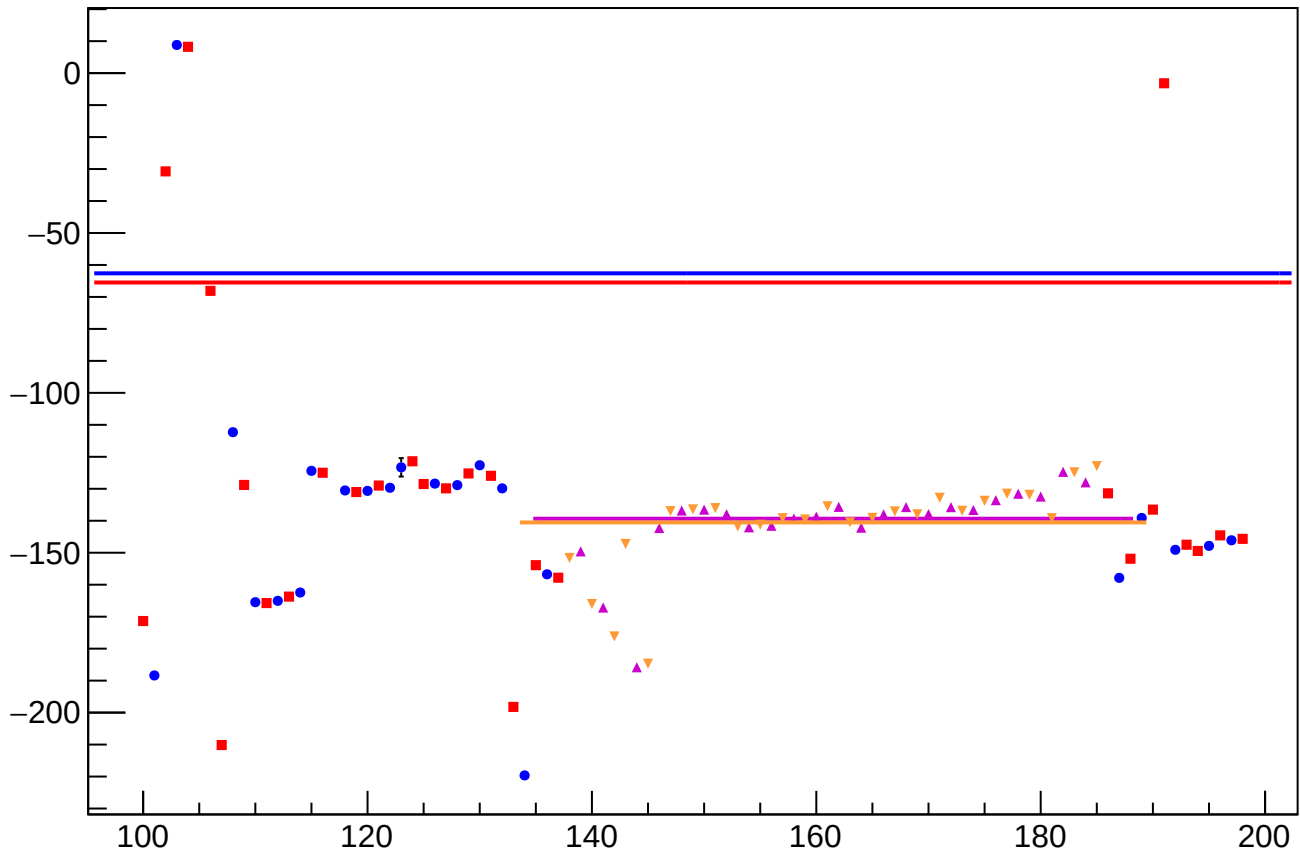
Left In: 63.999 $\pm$ 0.963 χ^2 /NDF:799.5/22

+ sign 63.265 $\pm$ 0.809 χ^2 /NDF: 1855.5/46

All: 60.452 $\pm$ 0.572 χ^2 /NDF: 3619.7/96

- sign 57.651 $\pm$ 0.808 χ^2 /NDF: 1740.1/49

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -62.618 ± 0.067 $\chi^2/\text{NDF}: 1402874.3/21$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -65.481 ± 0.064 $\chi^2/\text{NDF}: 1298658.4/26$

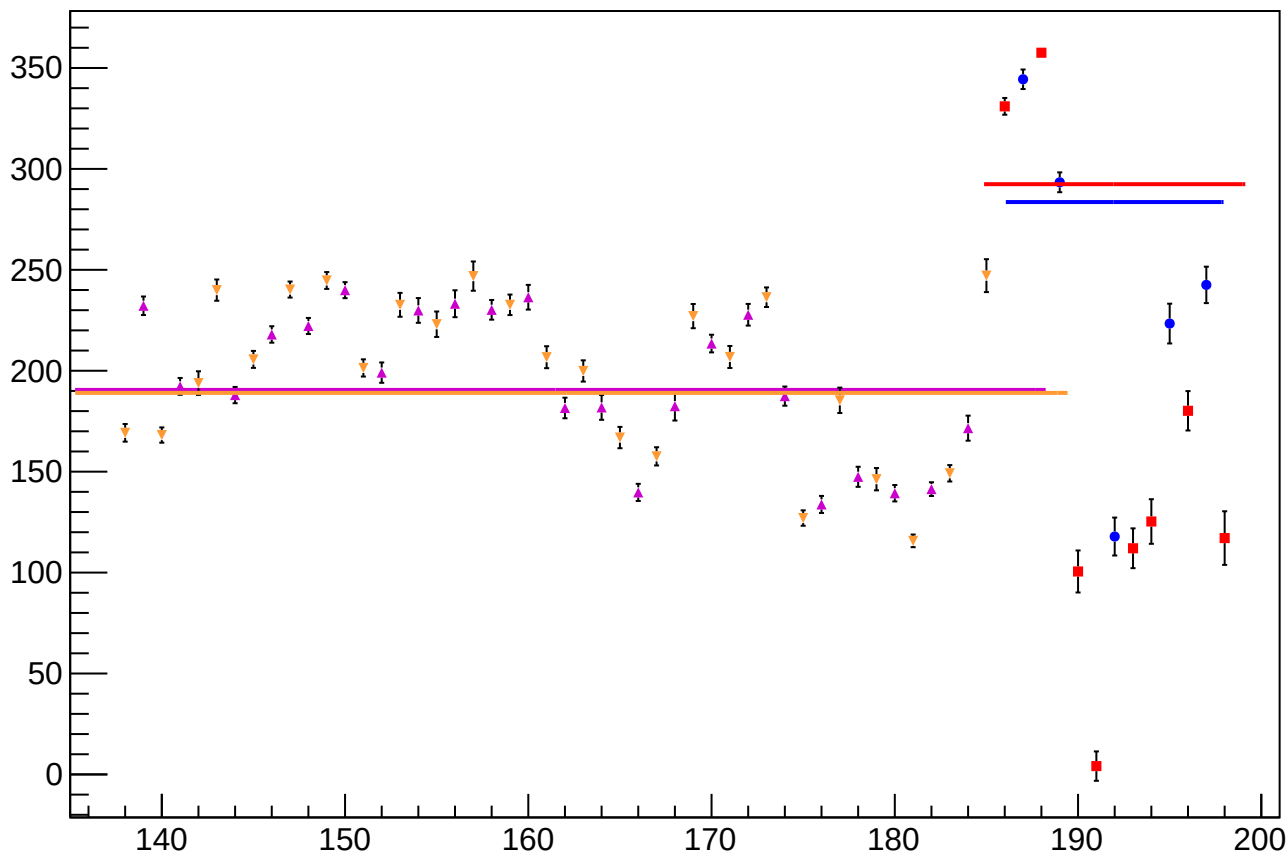
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -116.538 ± 0.037 $\chi^2/\text{NDF}: 2421500.1/46$

All: -115.596 ± 0.026 $\chi^2/\text{NDF}: 4684221.6/96$

- sign -114.672 ± 0.037 $\chi^2/\text{NDF}: 2261442.3/49$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 283.580 $\pm$ 2.911 χ^2 /NDF: 531.1/4

Left Out: 189.030 $\pm$ 0.956 χ^2 /NDF:1980.9/24

Right Out: 292.433 $\pm$ 1.890 χ^2 /NDF: 3540.8/7

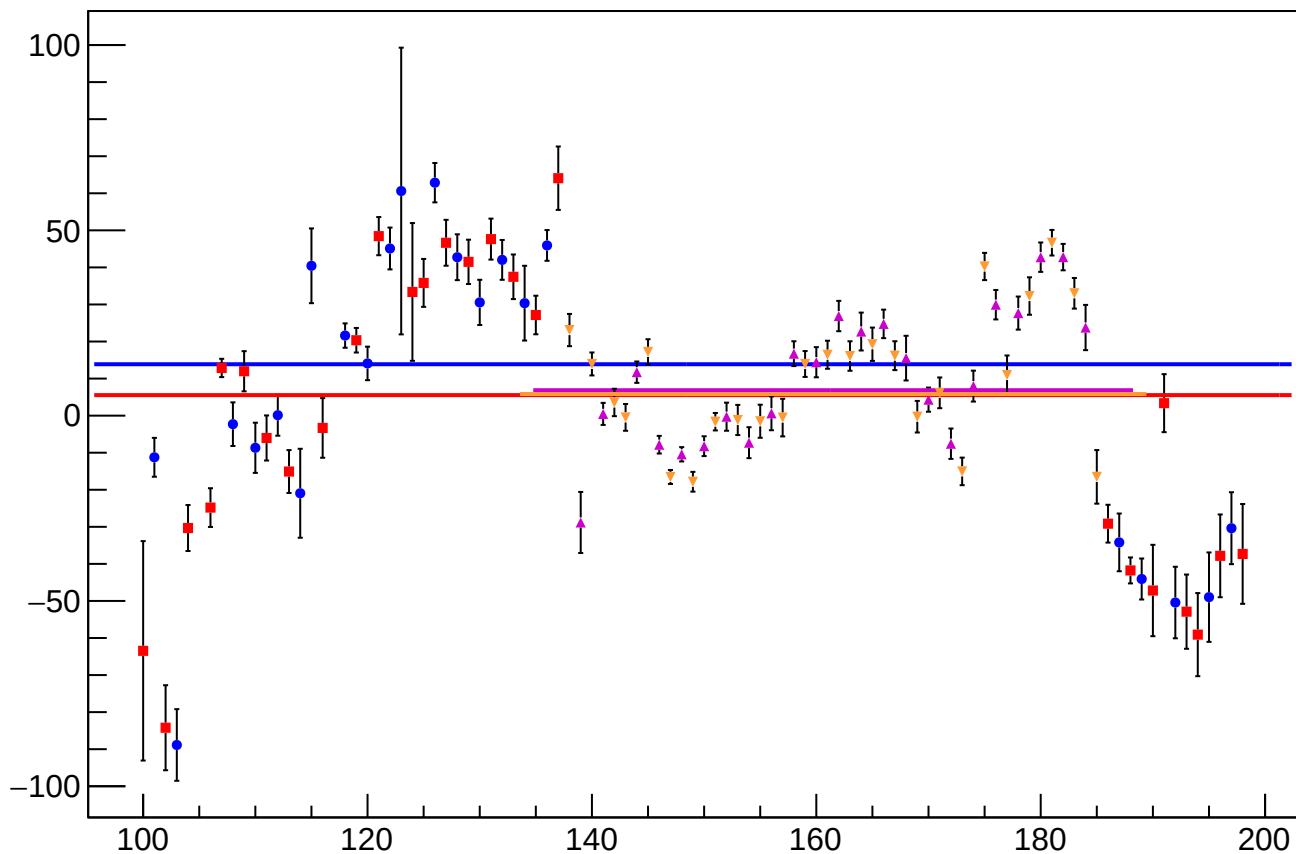
Left In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

+ sign 198.232 $\pm$ 0.908 χ^2 /NDF: 3464.3/29

All: 205.405 $\pm$ 0.627 χ^2 /NDF: 10834.3/60

- sign 211.935 $\pm$ 0.867 χ^2 /NDF: 7250.8/30

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 13.871 ± 1.303 χ^2/NDF : 657.9/21

Left Out: 5.834 ± 0.712 χ^2/NDF : 652.2/24

Right Out: 5.540 ± 1.093 χ^2/NDF : 845.2/26

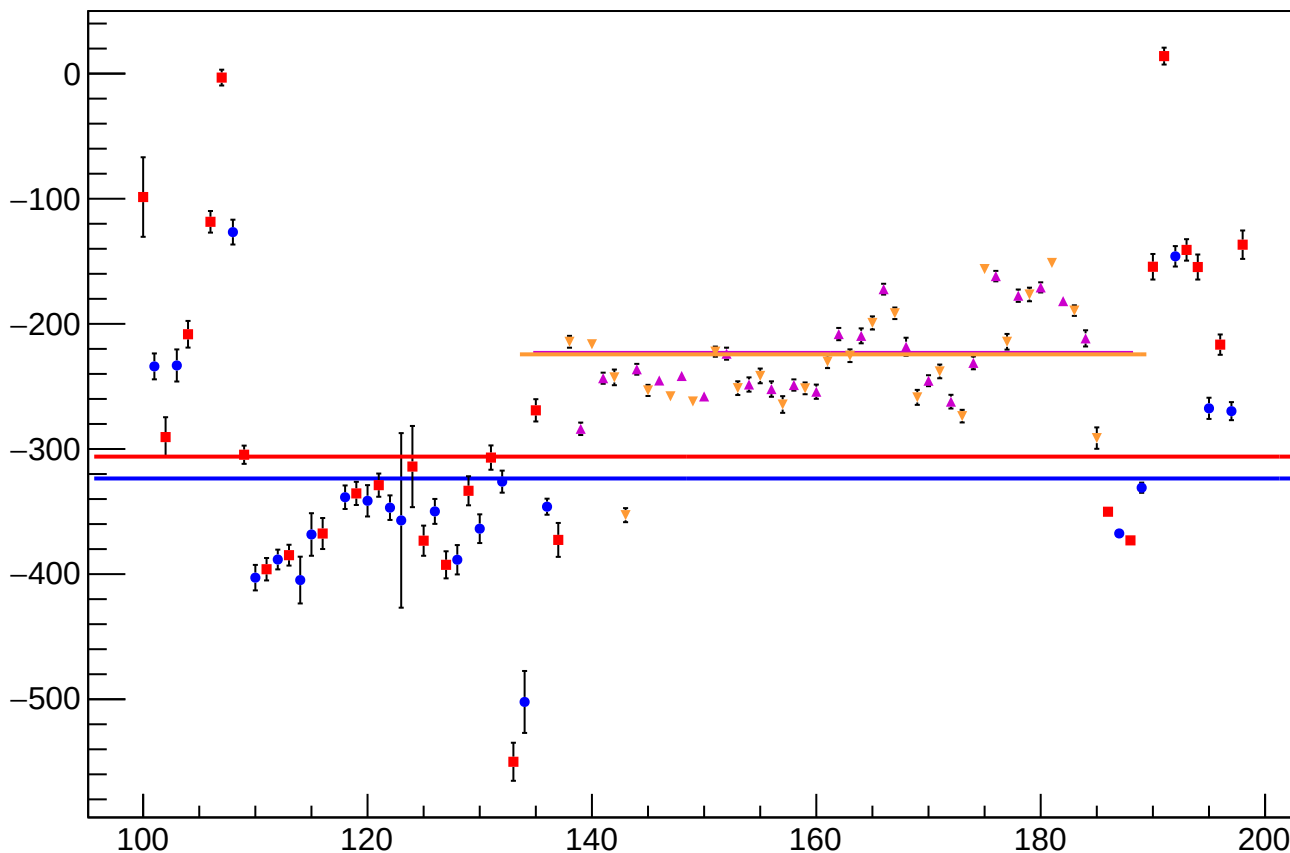
Left In: 6.862 ± 0.736 χ^2/NDF : 522.7/22

+ sign 7.684 ± 0.625 χ^2/NDF : 1339.5/46

All: 7.052 ± 0.437 χ^2/NDF : 2710.4/96

- sign 6.449 ± 0.611 χ^2/NDF : 1368.9/49

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -323.563 ± 1.764 χ^2/NDF : 1493.8/21

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -306.089 ± 1.290 χ^2/NDF : 8233.8/26

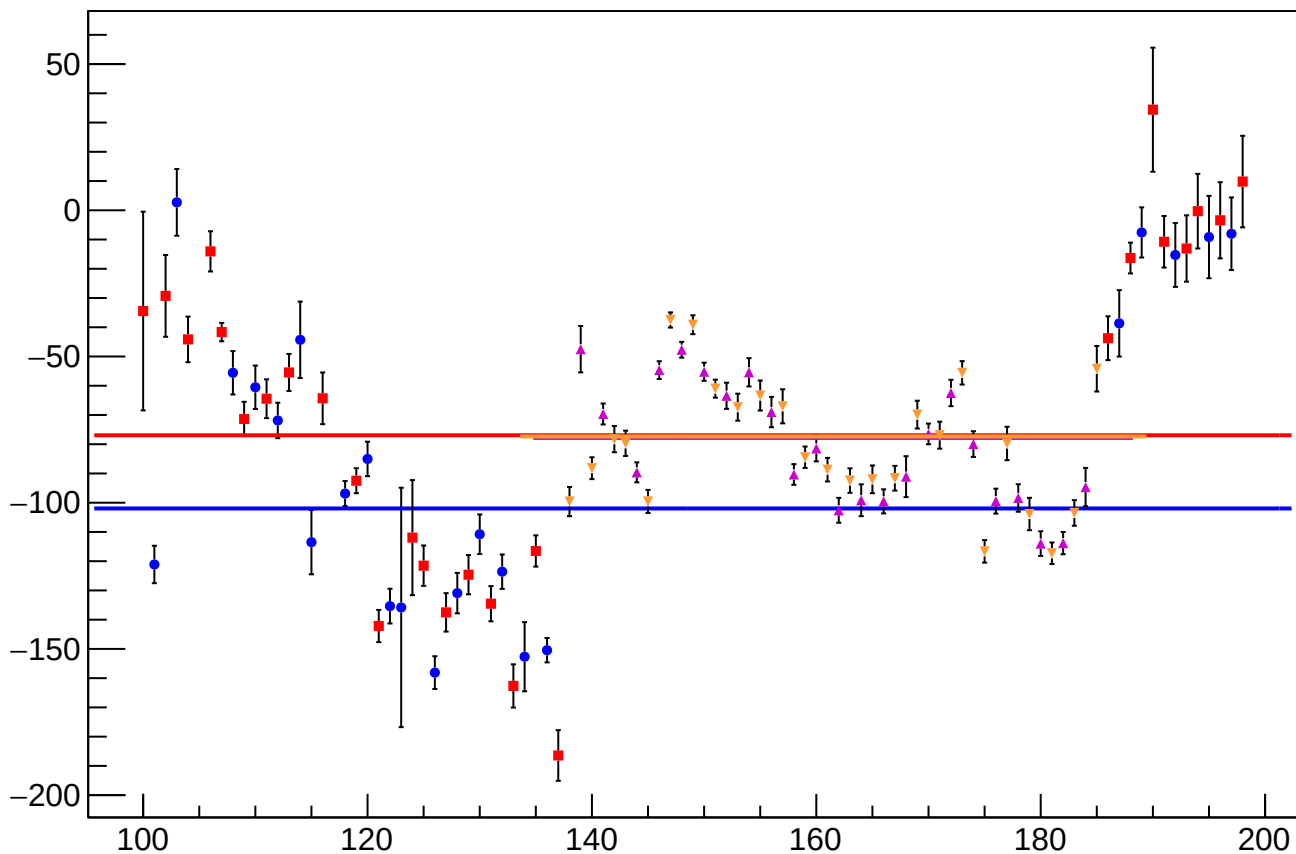
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -246.885 ± 0.841 χ^2/NDF : 6041.4/46

All: -250.255 ± 0.570 χ^2/NDF : 18211.7/96

- sign -253.120 ± 0.775 χ^2/NDF : 12140.6/49

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -101.967 ± 1.522 χ^2/NDF : 853.6/21

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -76.936 ± 1.315 χ^2/NDF : 1399.8/26

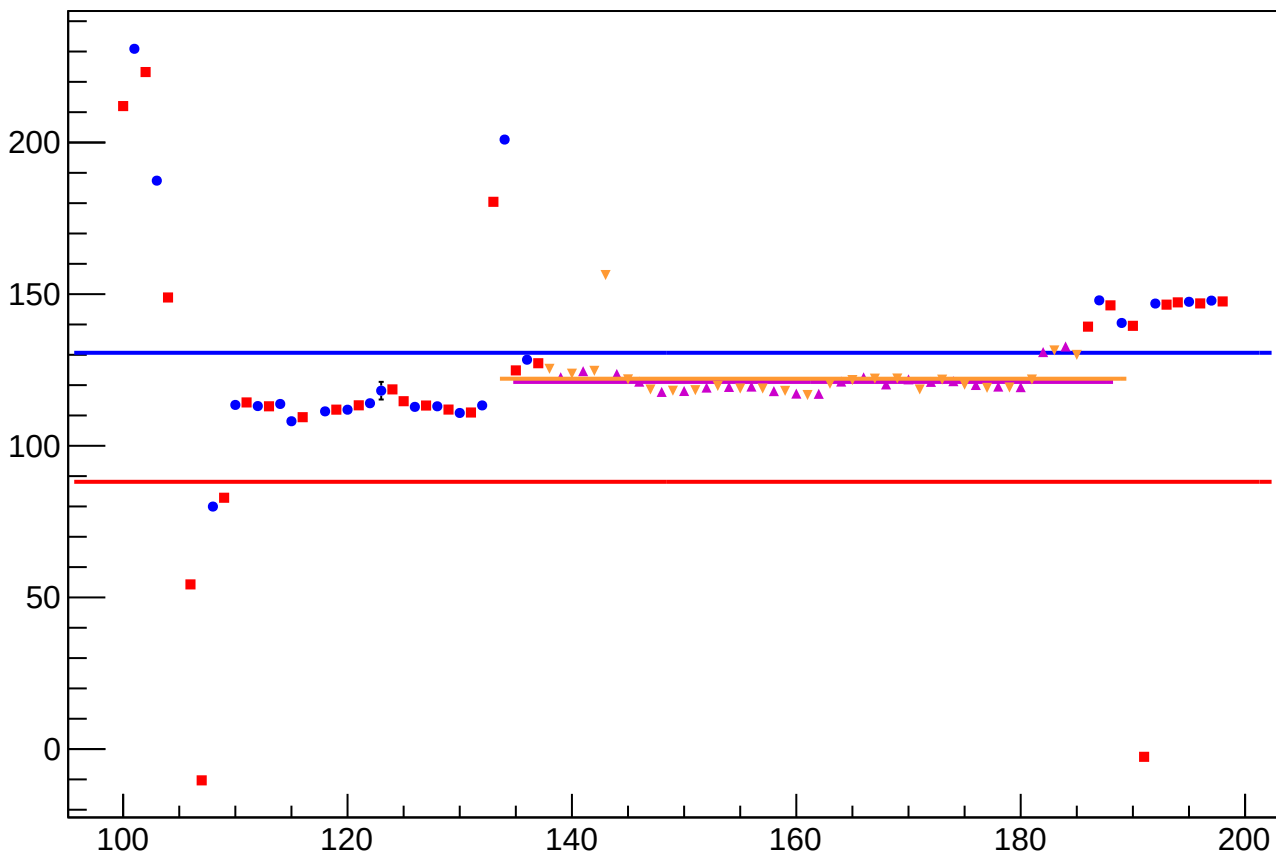
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -82.950 ± 0.726 χ^2/NDF : 1901.8/46

All: -80.212 ± 0.509 χ^2/NDF : 3952.7/96

- sign -77.573 ± 0.713 χ^2/NDF : 2022.9/49

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 130.666 $\pm$ 0.081 χ^2 /NDF: 195634.4/21

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24

Right Out: 88.126 $\pm$ 0.065 χ^2 /NDF: 1057824.0/26

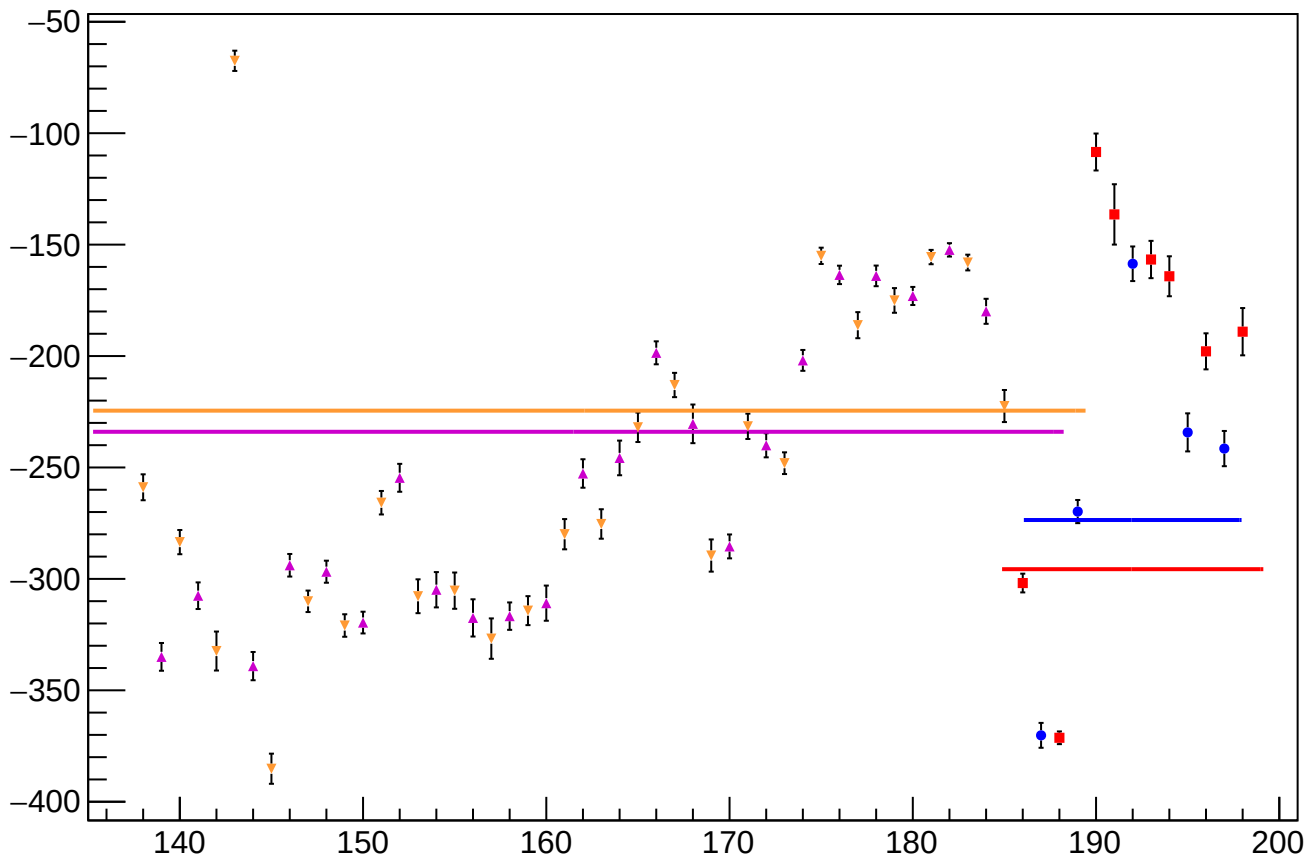
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 123.748 $\pm$ 0.035 χ^2 /NDF: 235078.3/46

All: 117.659 $\pm$ 0.025 χ^2 /NDF: 1544195.4/96

- sign 112.093 $\pm$ 0.034 χ^2 /NDF: 1252668.1/49

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -273.577 ± 2.944 $\chi^2/\text{NDF}: 556.9/4$

Left Out: -224.501 ± 1.079 $\chi^2/\text{NDF}: 4870.6/24$

Right Out: -295.642 ± 1.998 $\chi^2/\text{NDF}: 2091.5/7$

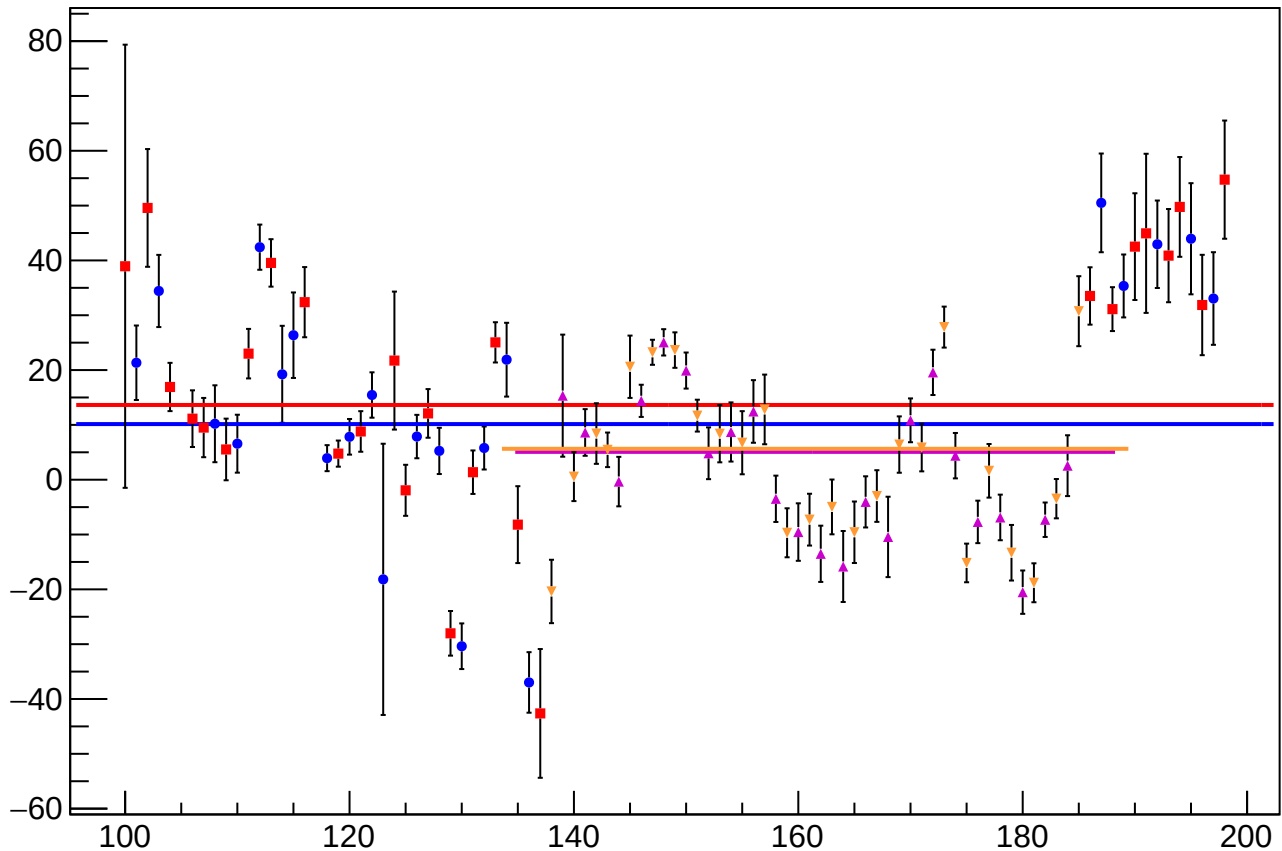
Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -230.313 ± 1.013 $\chi^2/\text{NDF}: 5672.5/29$

All: -239.805 ± 0.700 $\chi^2/\text{NDF}: 12198.3/60$

- sign -248.495 ± 0.969 $\chi^2/\text{NDF}: 6357.7/30$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.147 ± 1.054 $\chi^2/\text{NDF}: 342.1/21$

Left Out: 5.638 ± 0.828 $\chi^2/\text{NDF}: 313.6/24$

Right Out: 13.633 ± 0.986 $\chi^2/\text{NDF}: 339.1/26$

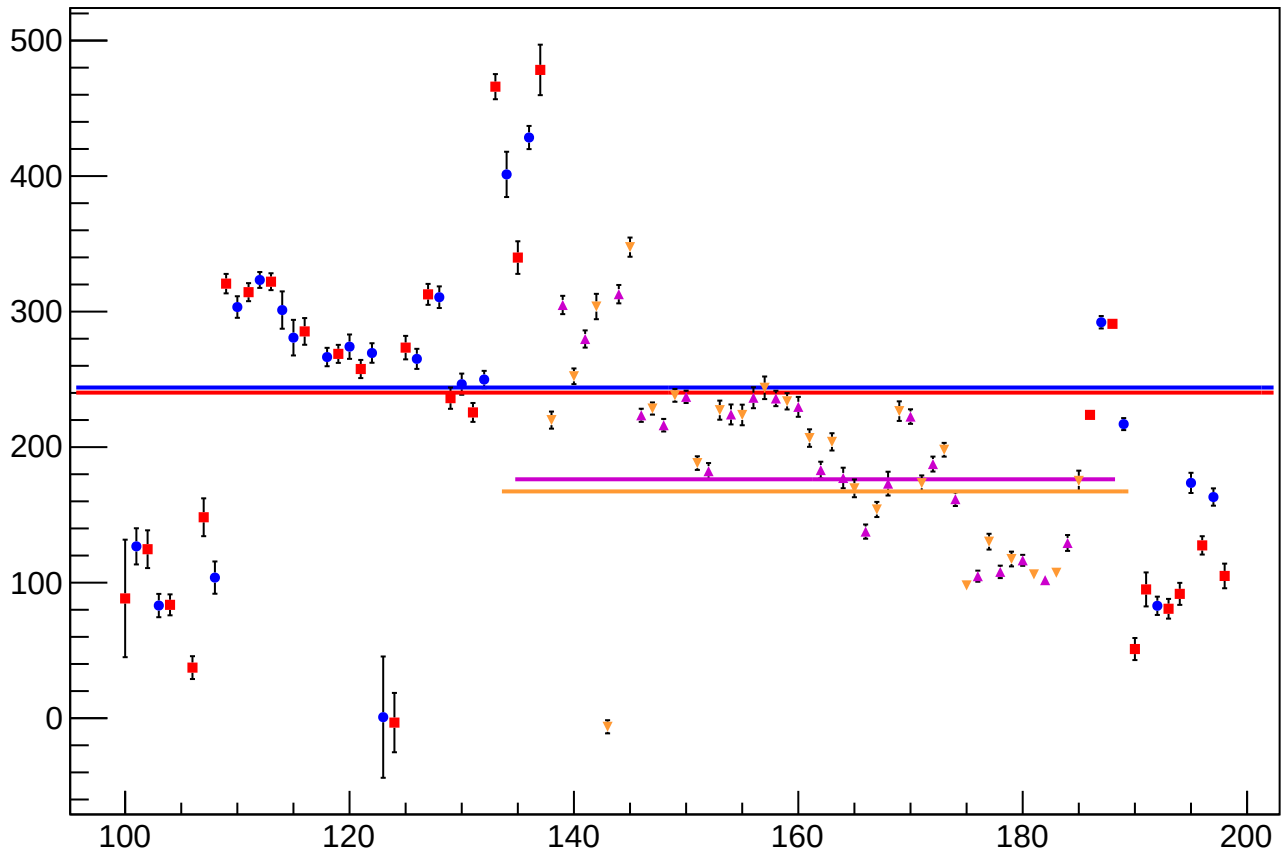
Left In: 5.077 ± 0.869 $\chi^2/\text{NDF}: 239.7/22$

+ sign 7.359 ± 0.651 $\chi^2/\text{NDF}: 667.0/46$

All: 8.088 ± 0.461 $\chi^2/\text{NDF}: 1290.8/96$

- sign 8.819 ± 0.652 $\chi^2/\text{NDF}: 621.2/49$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 243.989 $\pm$ 1.599 χ^2 /NDF: 2492.3/21

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF:4454.5/24

Right Out: 240.227 $\pm$ 1.268 χ^2 /NDF: 5135.5/26

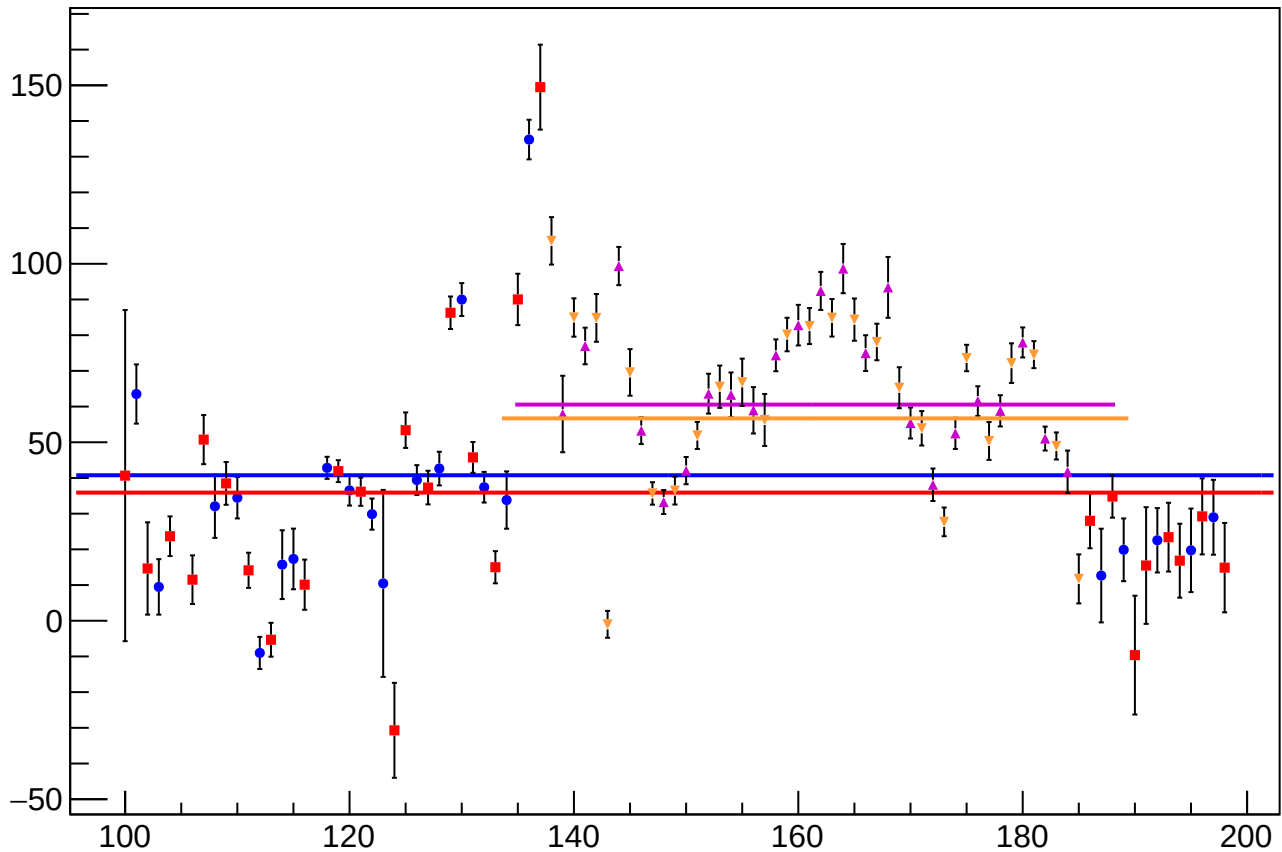
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 191.413 $\pm$ 0.896 χ^2 /NDF: 8522.5/46

All: 198.106 $\pm$ 0.610 χ^2 /NDF: 18376.2/96

- sign 203.890 $\pm$ 0.833 χ^2 /NDF: 9749.8/49

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 40.759 $\pm$ 1.230 χ^2/NDF : 593.3/21

Left Out: 56.695 $\pm$ 0.952 χ^2/NDF :690.4/24

Right Out: 35.894 $\pm$ 1.161 χ^2/NDF : 490.2/26

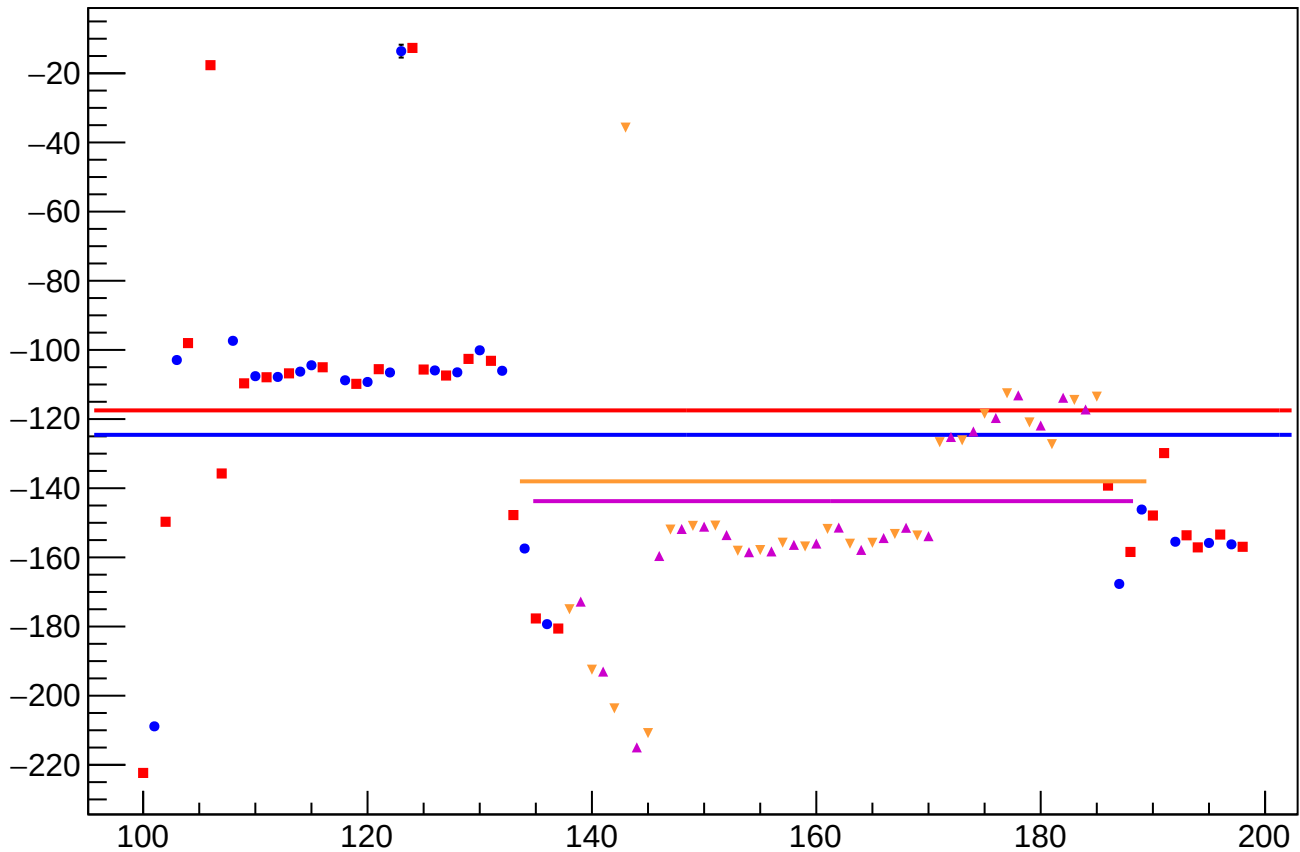
Left In: 60.555 $\pm$ 0.990 χ^2/NDF :335.6/22

+ sign 50.727 $\pm$ 0.753 χ^2/NDF : 1388.7/46

All: 50.449 $\pm$ 0.532 χ^2/NDF : 2476.0/96

- sign 50.171 $\pm$ 0.753 χ^2/NDF : 1087.0/49

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -124.561 ± 0.071 $\chi^2/\text{NDF}: 183911.6/21$

Left Out: -138.008 ± 0.045 $\chi^2/\text{NDF}: 565767.2/24$

Right Out: -117.490 ± 0.063 $\chi^2/\text{NDF}: 430009.7/26$

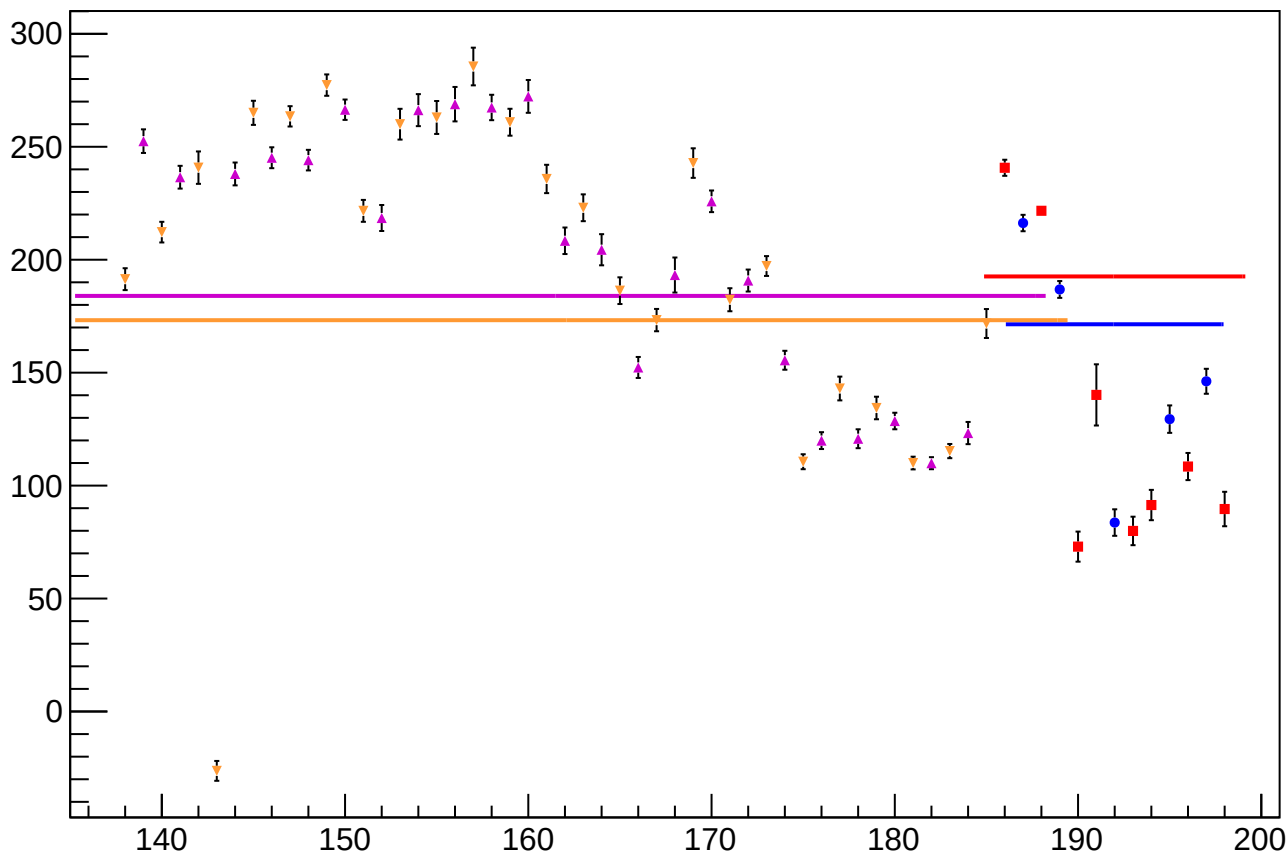
Left In: -143.735 ± 0.046 $\chi^2/\text{NDF}: 258408.3/22$

+ sign -134.133 ± 0.038 $\chi^2/\text{NDF}: 775269.3/46$

All: -134.376 ± 0.027 $\chi^2/\text{NDF}: 1576480.1/96$

- sign -134.609 ± 0.037 $\chi^2/\text{NDF}: 801130.9/49$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 171.424 $\pm$ 2.054 χ^2 /NDF: 461.9/4

Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF:5846.0/24

Right Out: 192.597 $\pm$ 1.433 χ^2 /NDF: 1688.8/7

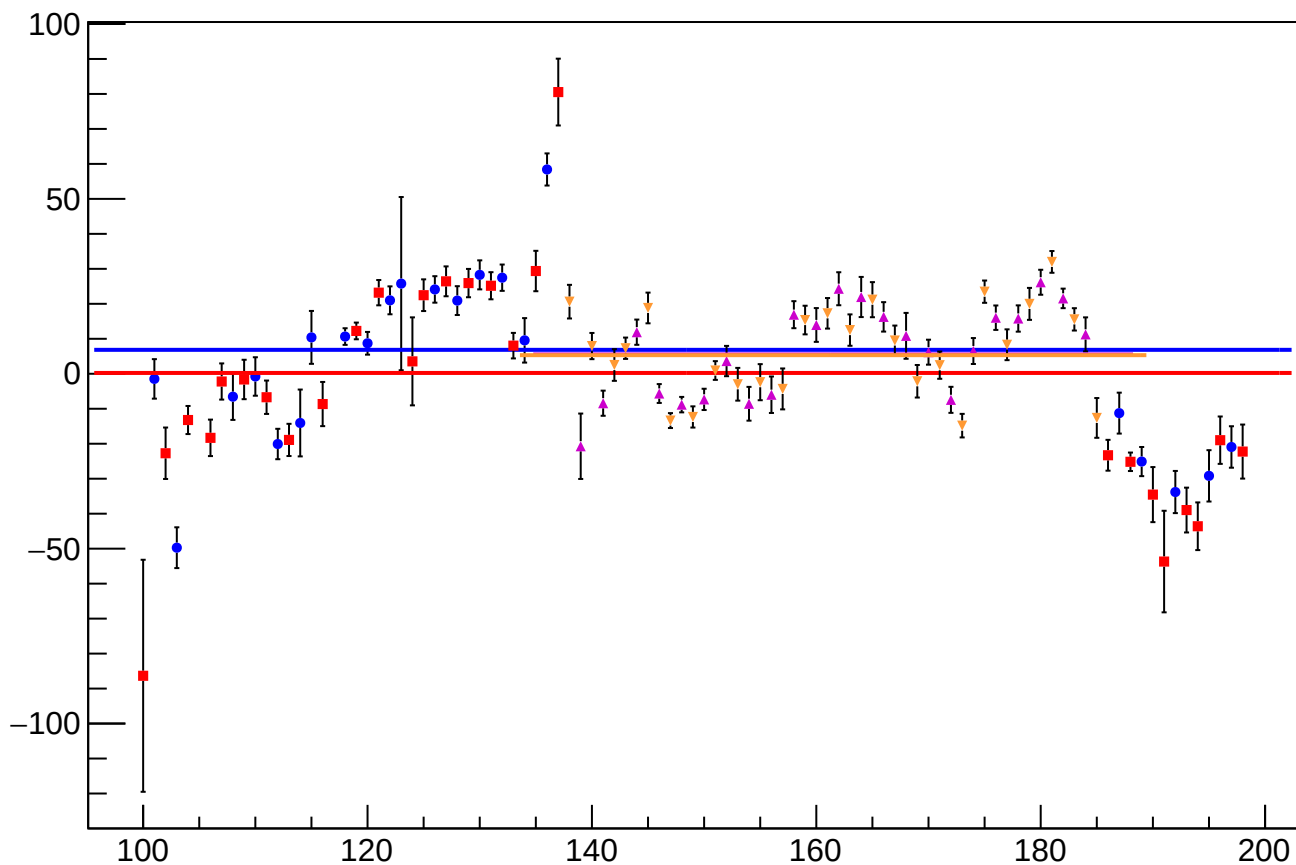
Left In: 183.984 $\pm$ 0.991 χ^2 /NDF:3613.7/22

+ sign 172.903 $\pm$ 0.874 χ^2 /NDF: 6308.5/29

All: 180.319 $\pm$ 0.596 χ^2 /NDF: 11770.1/60

- sign 186.771 $\pm$ 0.815 χ^2 /NDF: 5326.9/30

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 6.843 ± 0.988 χ^2/NDF : 537.0/21

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: 0.235 ± 0.909 χ^2/NDF : 621.5/26

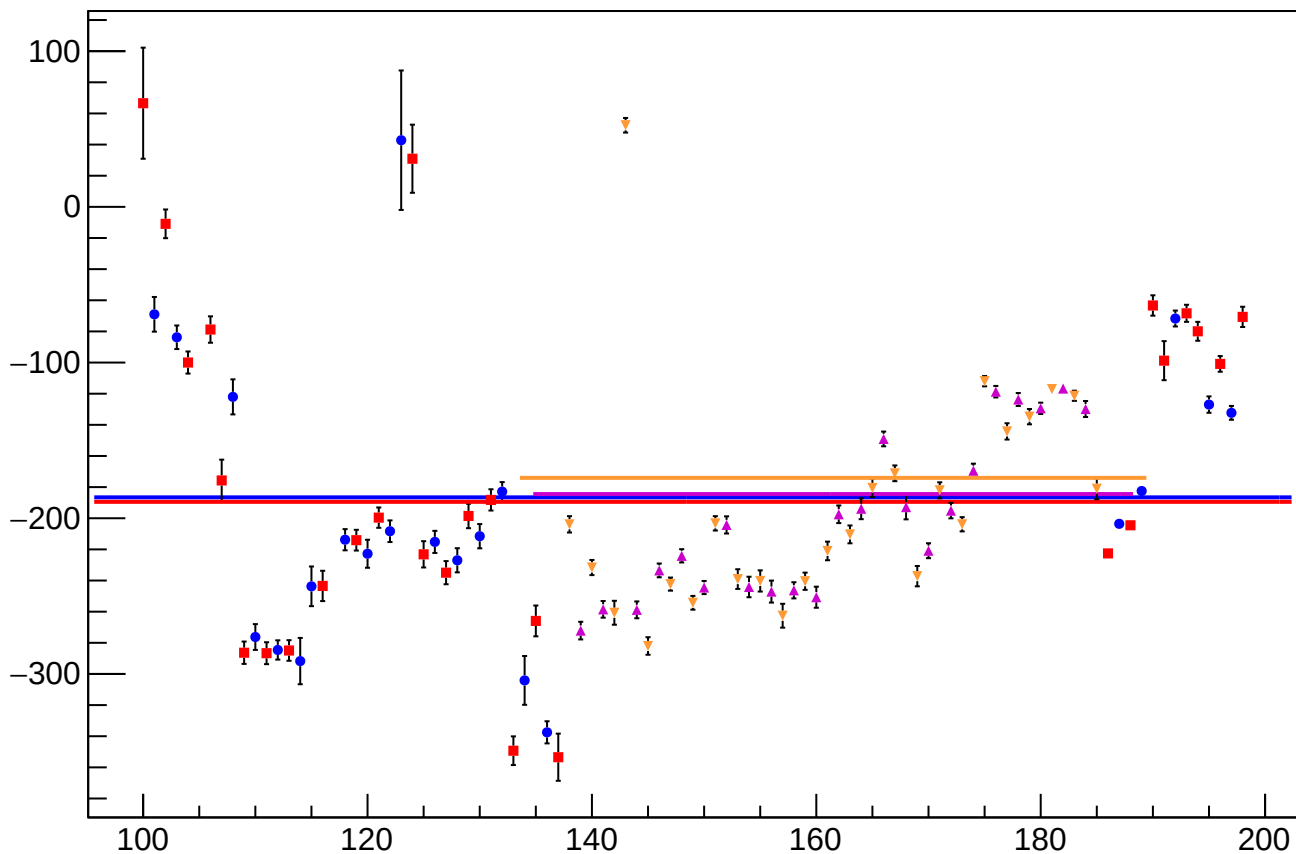
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 5.875 ± 0.596 χ^2/NDF : 884.0/46

All: 4.571 ± 0.420 χ^2/NDF : 1790.9/96

- sign 3.281 ± 0.593 χ^2/NDF : 897.3/49

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -186.576 ± 1.308 $\chi^2/\text{NDF}: 2215.3/21$

Left Out: -174.061 ± 0.971 $\chi^2/\text{NDF}: 5443.3/24$

Right Out: -189.460 ± 1.004 $\chi^2/\text{NDF}: 4136.9/26$

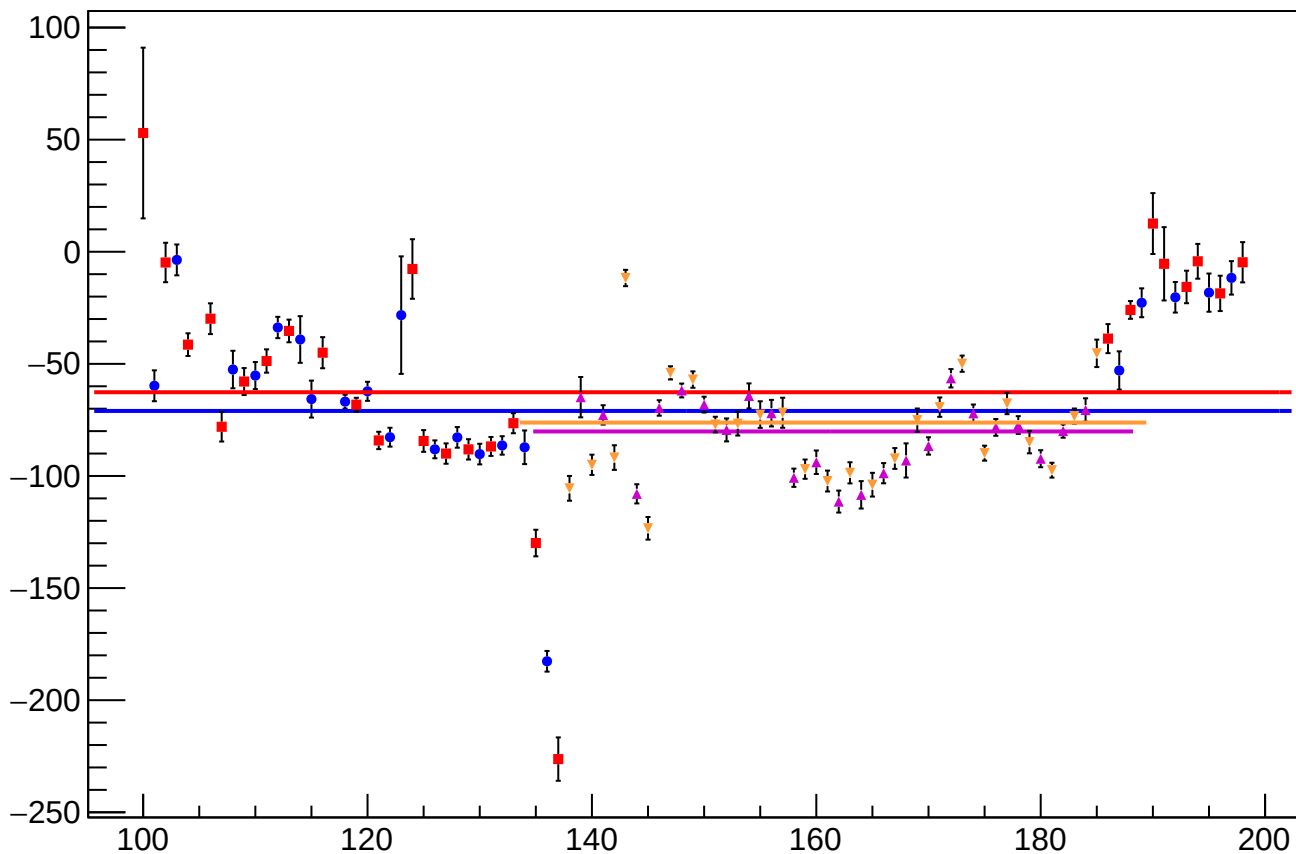
Left In: -184.456 ± 0.991 $\chi^2/\text{NDF}: 3051.6/22$

+ sign -178.507 ± 0.779 $\chi^2/\text{NDF}: 7717.6/46$

All: -183.135 ± 0.523 $\chi^2/\text{NDF}: 14982.8/96$

- sign -186.924 ± 0.705 $\chi^2/\text{NDF}: 7201.1/49$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -70.999 ± 1.161 χ^2/NDF : 1062.1/21

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -62.654 ± 1.087 χ^2/NDF : 1052.6/26

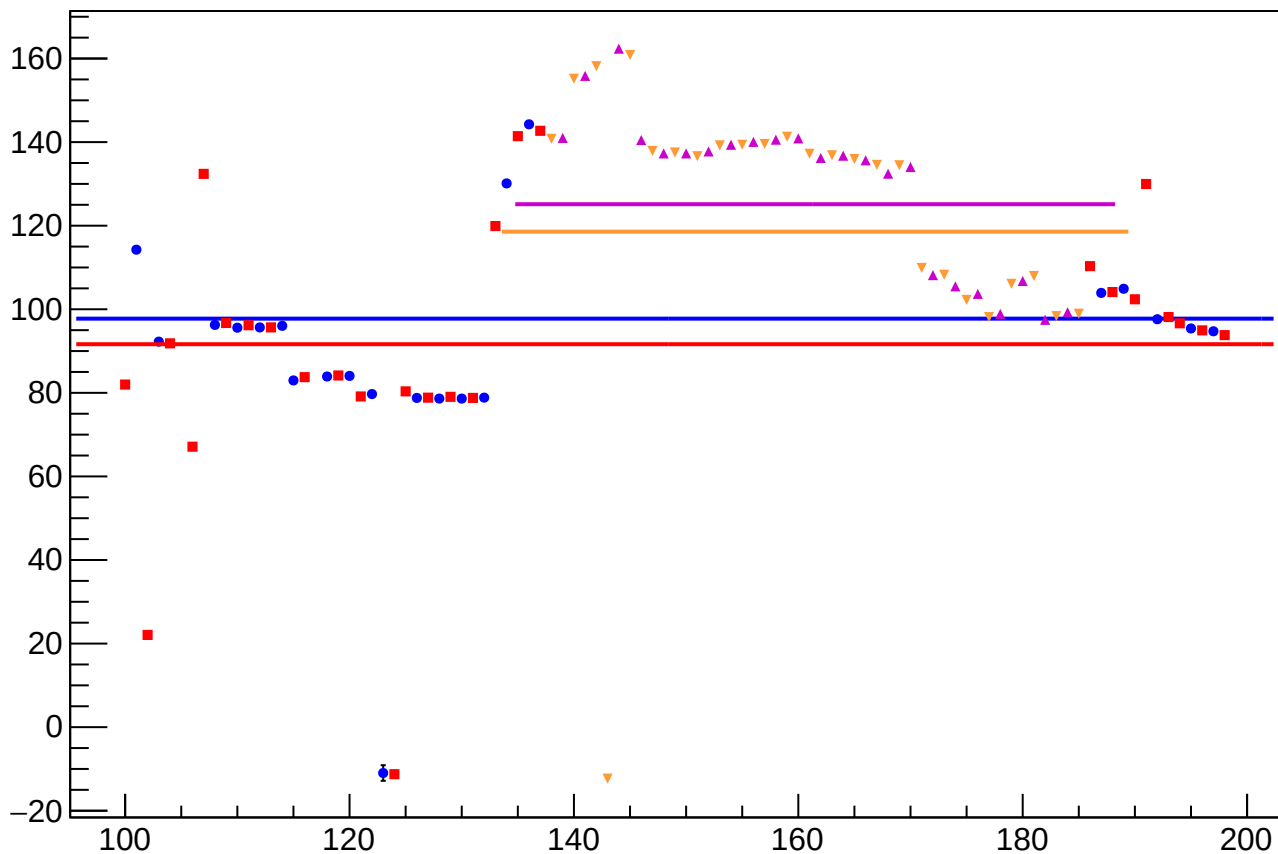
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -74.353 ± 0.690 χ^2/NDF : 1876.0/46

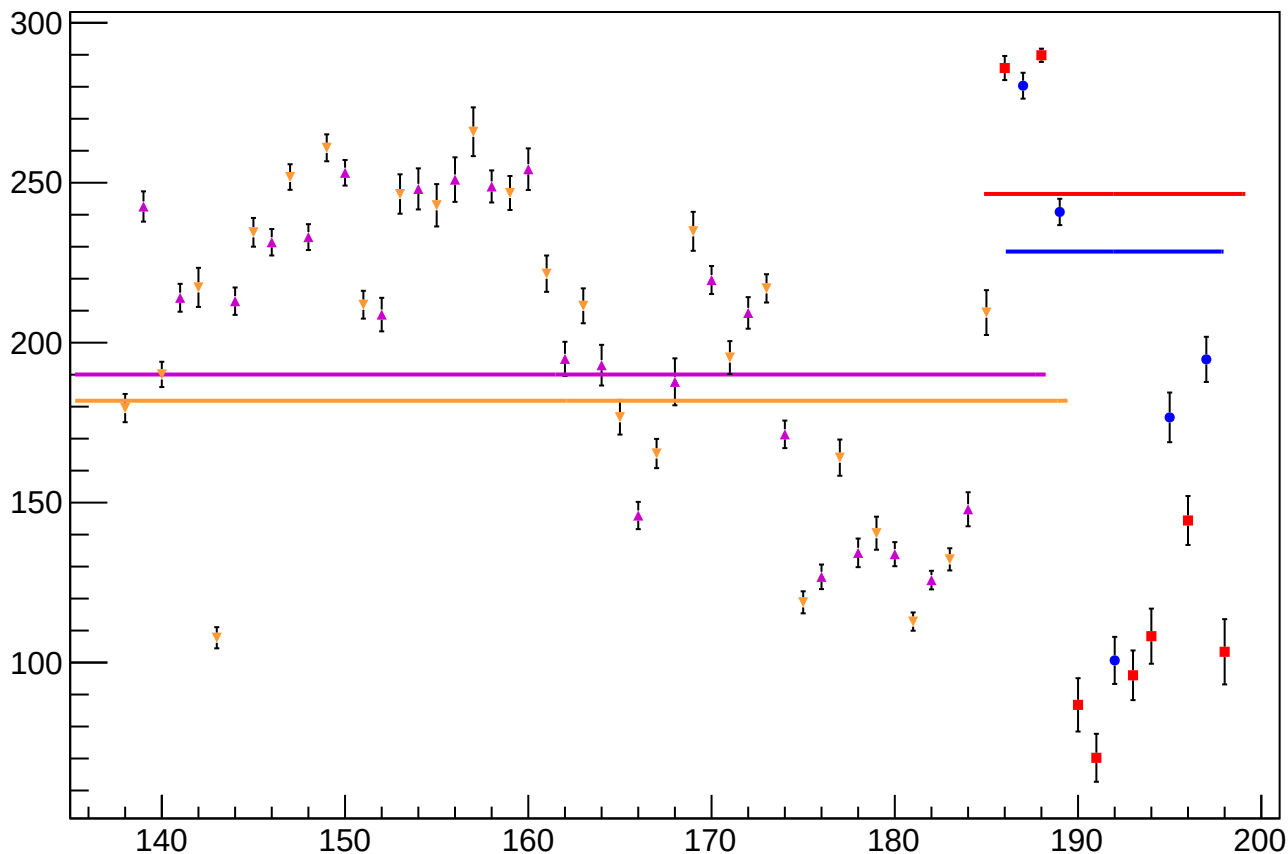
All: -73.745 ± 0.487 χ^2/NDF : 3368.5/96

- sign -73.140 ± 0.688 χ^2/NDF : 1491.0/49

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 228.485 ± 2.388 χ^2/NDF : 542.3/4

Left Out: 181.850 ± 0.913 χ^2/NDF : 3303.4/24

Right Out: 246.498 ± 1.595 χ^2/NDF : 2476.0/7

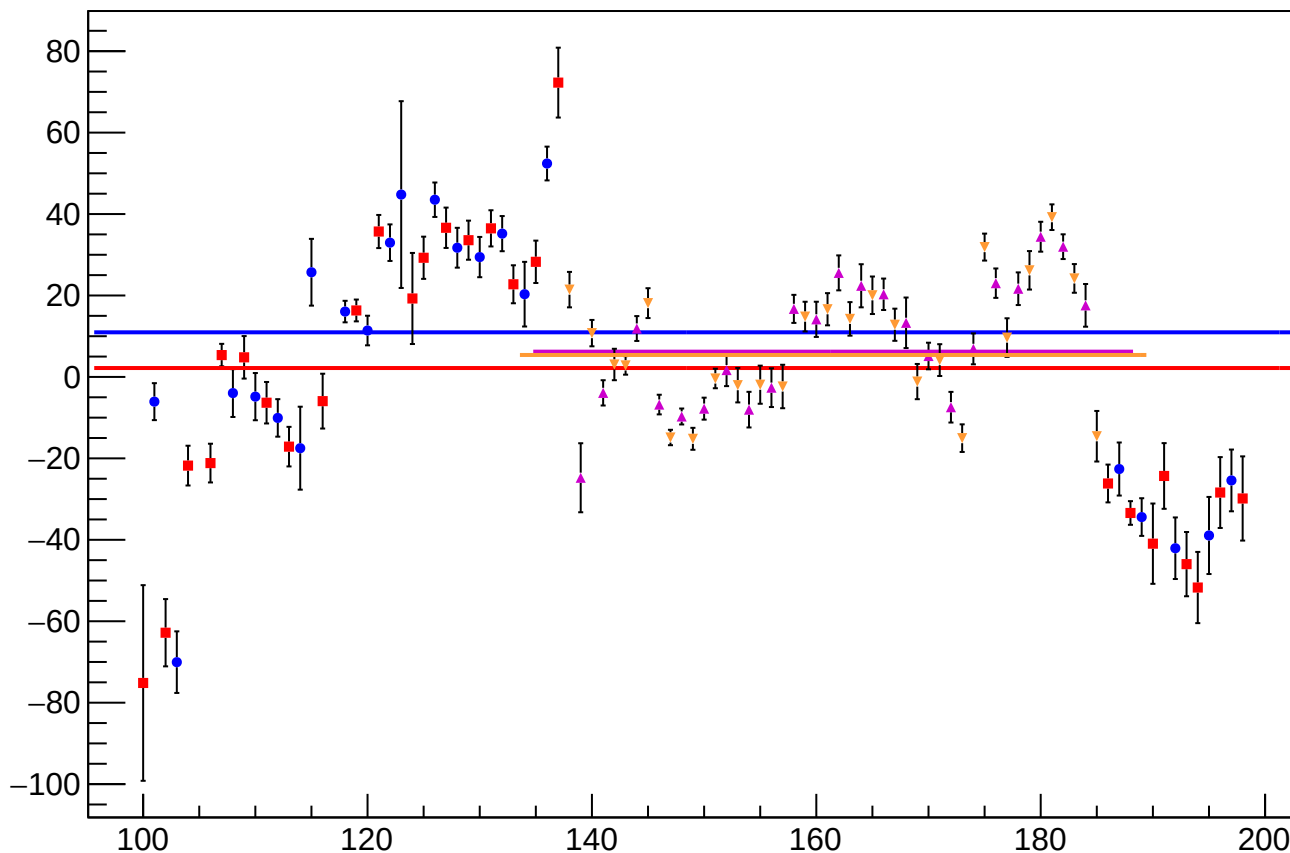
Left In: 190.048 ± 0.953 χ^2/NDF : 2438.4/22

+ sign 187.800 ± 0.853 χ^2/NDF : 4178.3/29

All: 196.709 ± 0.590 χ^2/NDF : 10225.5/60

- sign 204.900 ± 0.818 χ^2/NDF : 5837.8/30

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 10.955 $\pm$ 1.085 χ^2 /NDF: 651.3/21

Left Out: 5.394 $\pm$ 0.688 χ^2 /NDF: 526.5/24

Right Out: 2.186 $\pm$ 0.957 χ^2 /NDF: 844.0/26

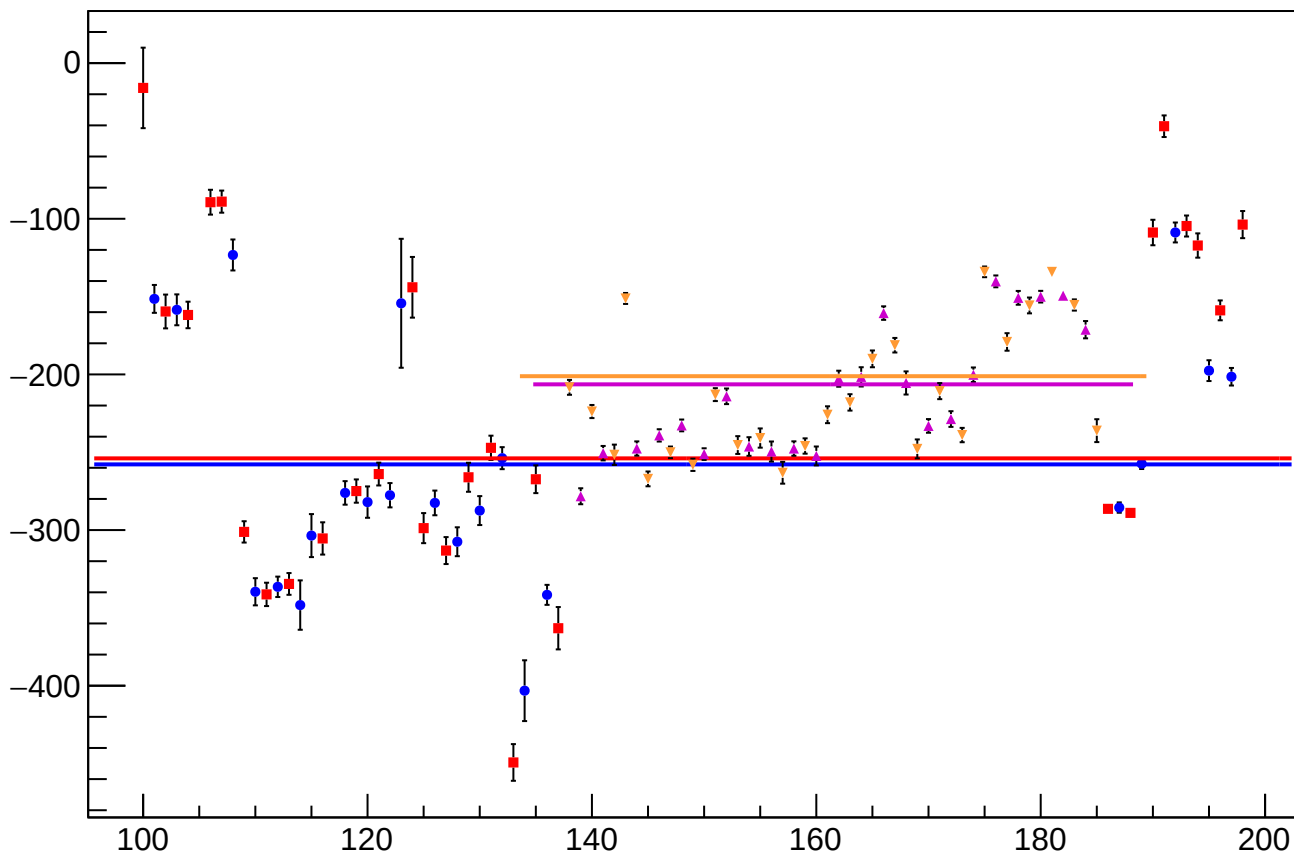
Left In: 6.206 $\pm$ 0.732 χ^2 /NDF: 407.5/22

+ sign 6.988 $\pm$ 0.581 χ^2 /NDF: 1196.6/46

All: 5.856 $\pm$ 0.411 χ^2 /NDF: 2466.8/96

- sign 4.723 $\pm$ 0.581 χ^2 /NDF: 1262.7/49

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -257.804 ± 1.470 χ^2/NDF : 1790.6/21

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -253.941 ± 1.098 χ^2/NDF : 5171.3/26

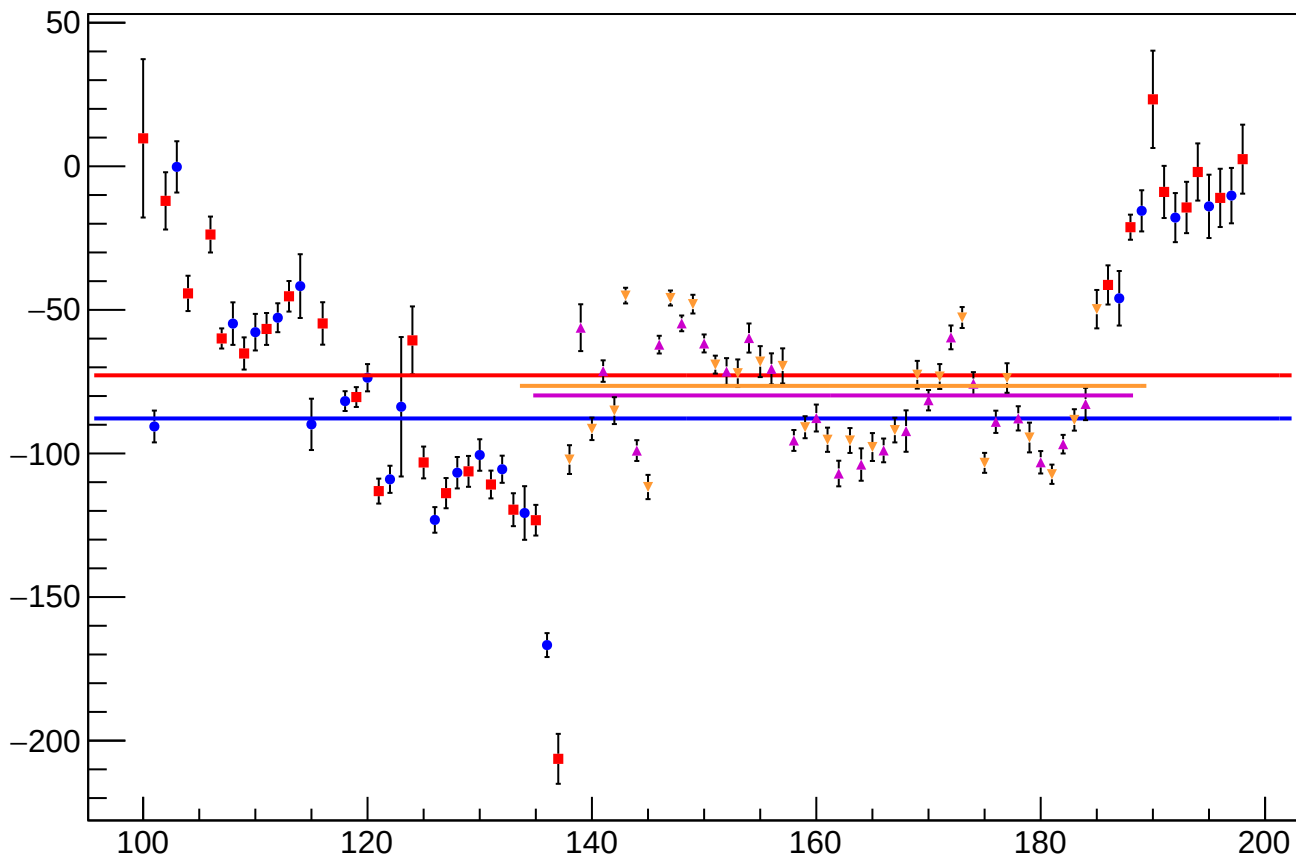
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -217.043 ± 0.778 χ^2/NDF : 5348.7/46

All: -222.274 ± 0.528 χ^2/NDF : 13788.5/96

- sign -226.727 ± 0.718 χ^2/NDF : 8356.2/49

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -87.808 $\pm$ 1.273 χ^2/NDF : 999.8/21

Left Out: -76.460 $\pm$ 0.797 χ^2/NDF : 781.3/24

Right Out: -72.790 $\pm$ 1.147 χ^2/NDF : 1272.4/26

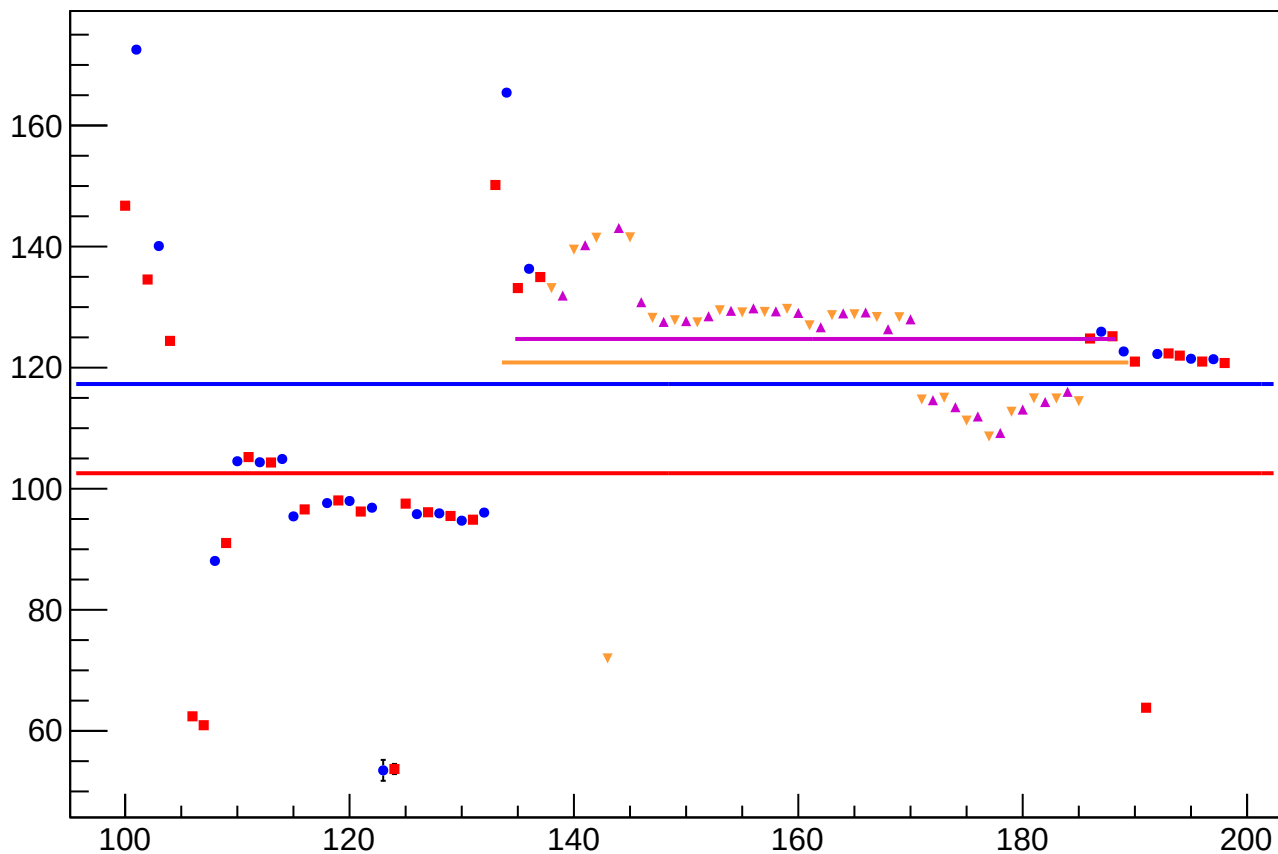
Left In: -79.792 $\pm$ 0.840 χ^2/NDF : 412.3/22

+ sign -79.654 $\pm$ 0.675 χ^2/NDF : 1838.2/46

All: -78.505 $\pm$ 0.478 χ^2/NDF : 3553.0/96

- sign -77.350 $\pm$ 0.678 χ^2/NDF : 1708.9/49

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.295 $\pm$ 0.070 χ^2/NDF : 107070.3/21

Left Out: 120.855 $\pm$ 0.038 χ^2/NDF : 182759.1/24

Right Out: 102.561 $\pm$ 0.058 χ^2/NDF : 228069.1/26

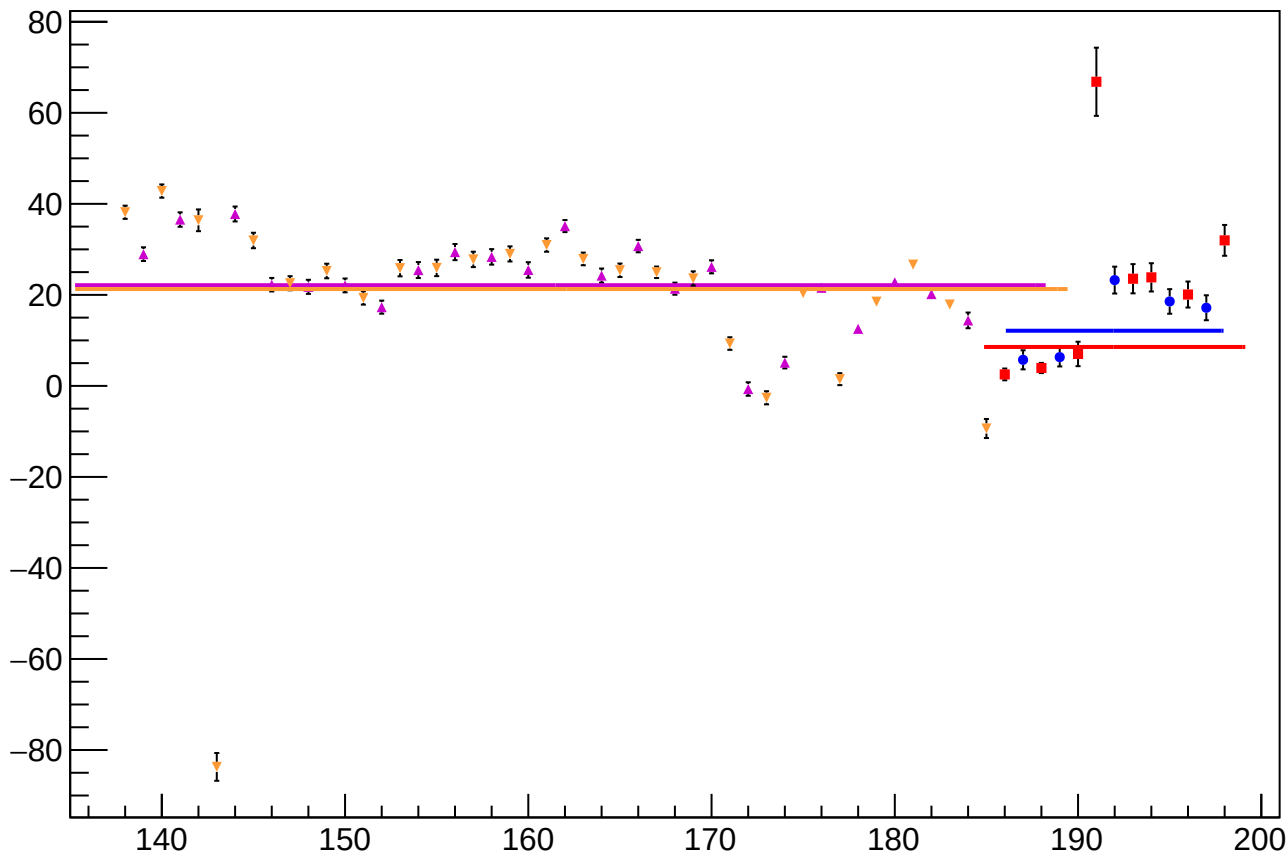
Left In: 124.738 $\pm$ 0.039 χ^2/NDF : 51298.3/22

+ sign 120.040 $\pm$ 0.033 χ^2/NDF : 291833.4/46

All: 118.877 $\pm$ 0.023 χ^2/NDF : 673791.5/96

- sign 117.775 $\pm$ 0.033 χ^2/NDF : 379598.3/49

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 12.123+/-1.085 χ^2/NDF : 40.5/4

Left Out: 21.282+/-0.282 χ^2/NDF :2600.5/24

Right Out: 8.556+/-0.713 χ^2/NDF : 209.9/7

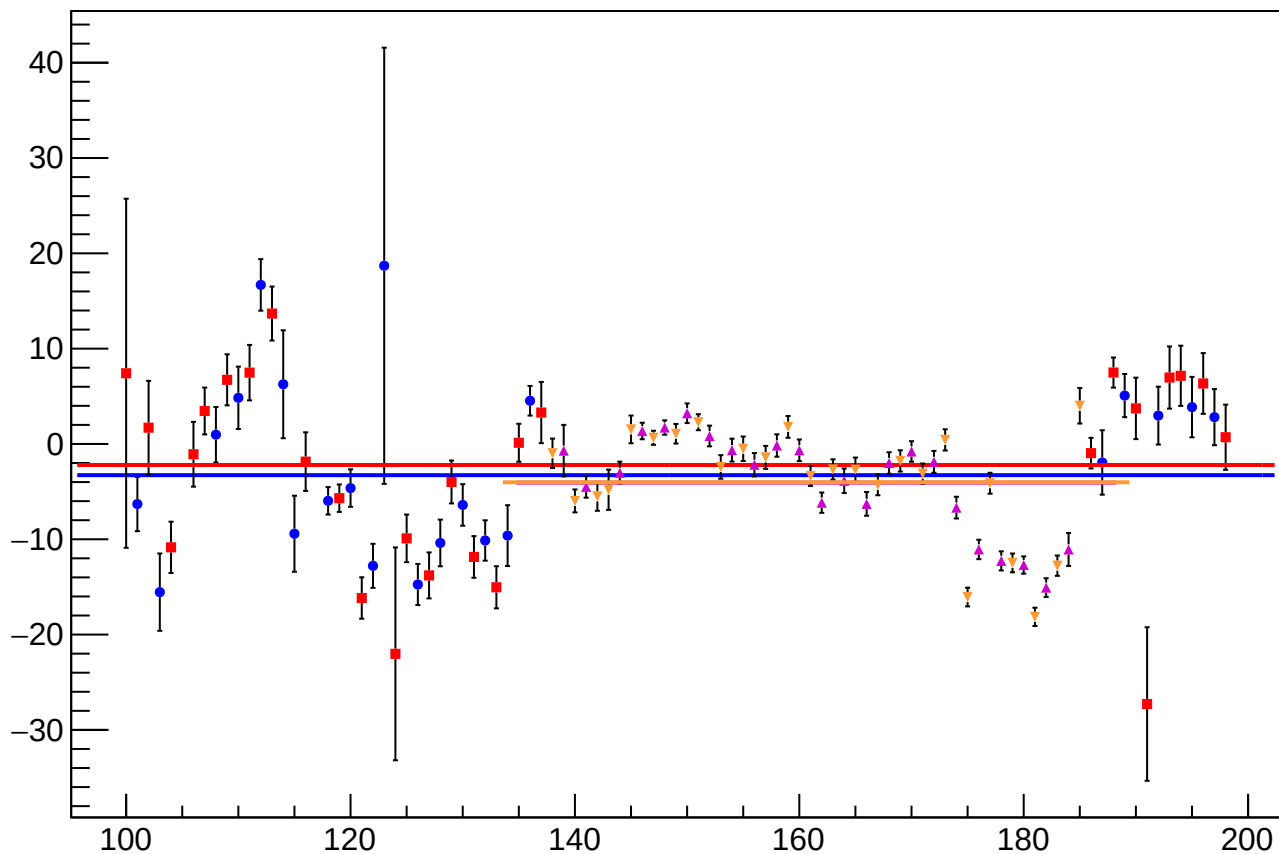
Left In: 22.127+/-0.285 χ^2/NDF :900.2/22

+ sign 20.700+/-0.273 χ^2/NDF : 2707.8/29

All: 20.468+/-0.190 χ^2/NDF : 4131.9/60

- sign 20.249+/-0.265 χ^2/NDF : 1422.7/30

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -3.275 ± 0.535 χ^2/NDF : 205.8/21

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -2.208 ± 0.488 χ^2/NDF : 287.2/26

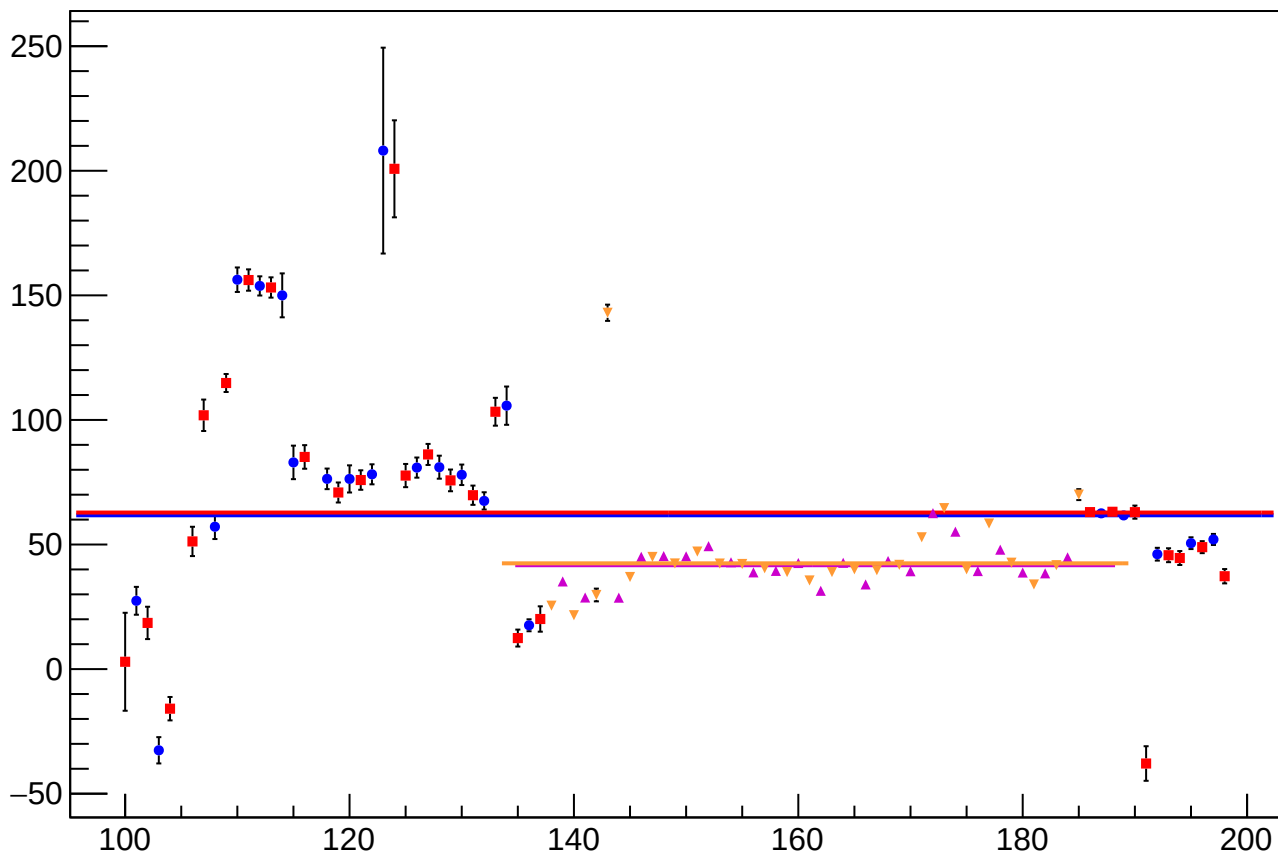
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.911 ± 0.206 χ^2/NDF : 941.6/46

All: -3.819 ± 0.146 χ^2/NDF : 1818.3/96

- sign -3.727 ± 0.207 χ^2/NDF : 876.3/49

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.731 $\pm$ 0.700 χ^2 /NDF: 1966.6/21

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 62.833 $\pm$ 0.516 χ^2 /NDF: 2437.9/26

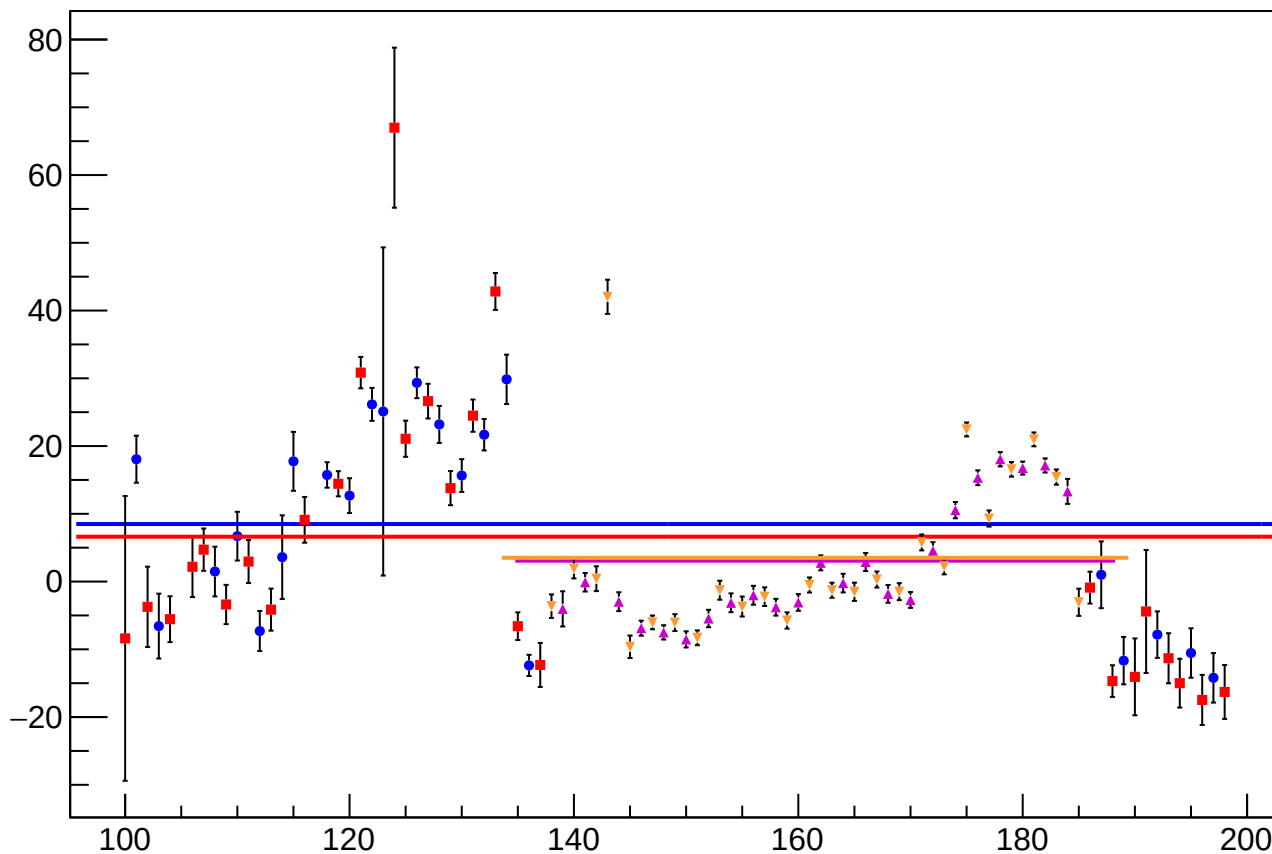
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 45.144 $\pm$ 0.262 χ^2 /NDF: 4635.5/46

All: 45.911 $\pm$ 0.180 χ^2 /NDF: 9006.2/96

- sign 46.607 $\pm$ 0.249 χ^2 /NDF: 4354.3/49

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 8.491 ± 0.620 χ^2/NDF : 616.9/21

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 6.621 ± 0.582 χ^2/NDF : 847.4/26

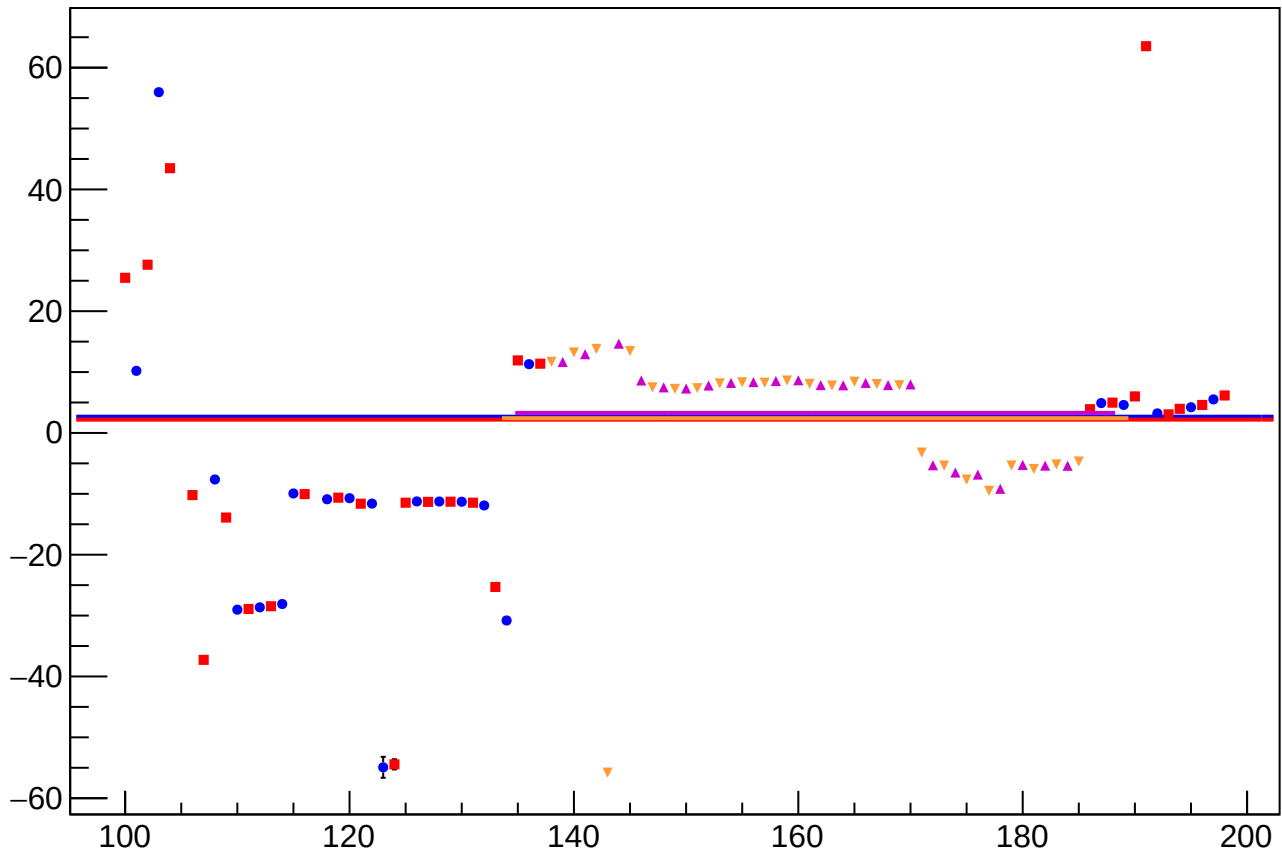
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 4.215 ± 0.234 χ^2/NDF : 2363.7/46

All: 3.939 ± 0.166 χ^2/NDF : 4510.7/96

- sign 3.659 ± 0.235 χ^2/NDF : 2144.1/49

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.667 $\pm$ 0.031 χ^2 /NDF: 359187.2/21

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 2.187 $\pm$ 0.029 χ^2 /NDF: 430715.9/26

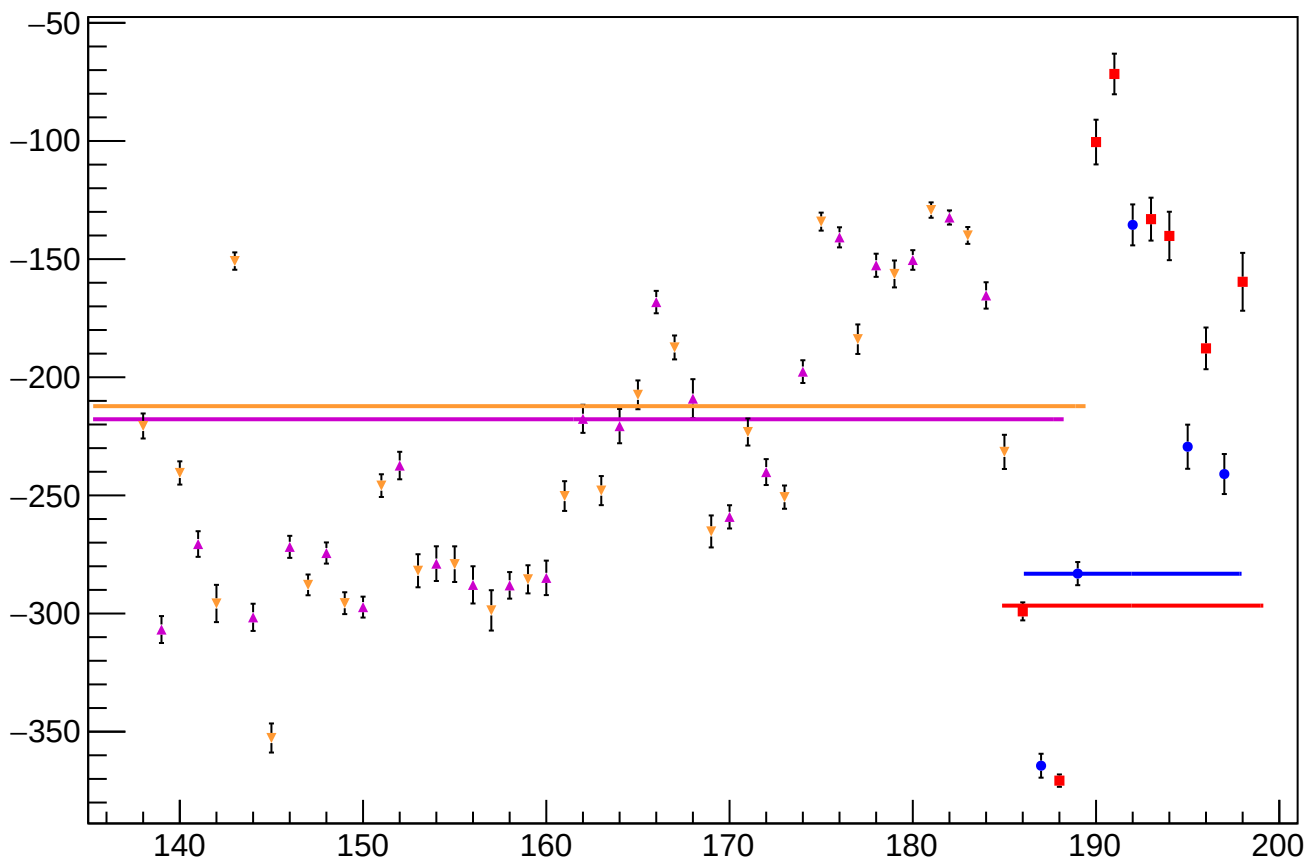
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.454 $\pm$ 0.011 χ^2 /NDF: 975622.0/46

All: 2.797 $\pm$ 0.008 χ^2 /NDF: 1813913.4/96

- sign 3.138 $\pm$ 0.011 χ^2 /NDF: 836298.6/49

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -283.159 ± 2.894 $\chi^2/\text{NDF}: 605.7/4$

Left Out: -212.231 ± 1.029 $\chi^2/\text{NDF}: 3875.4/24$

Right Out: -296.653 ± 1.885 $\chi^2/\text{NDF}: 2754.8/7$

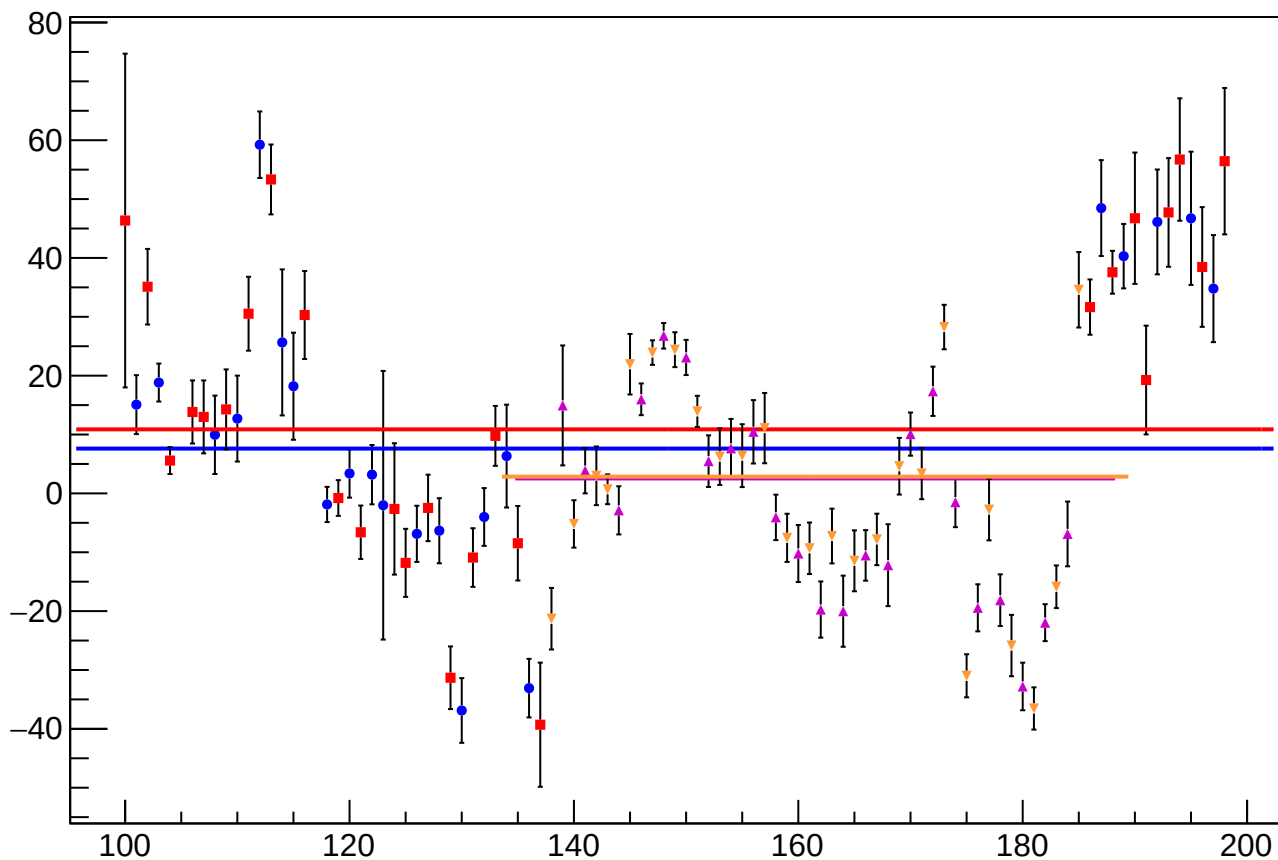
Left In: -217.779 ± 1.067 $\chi^2/\text{NDF}: 3448.9/22$

+ sign -220.198 ± 0.970 $\chi^2/\text{NDF}: 5014.3/29$

All: -228.916 ± 0.671 $\chi^2/\text{NDF}: 12698.5/60$

- sign -236.906 ± 0.928 $\chi^2/\text{NDF}: 7529.3/30$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 7.613 ± 1.174 $\chi^2/\text{NDF}: 367.9/21$

Left Out: 2.848 ± 0.775 $\chi^2/\text{NDF}: 582.1/24$

Right Out: 10.878 ± 1.041 $\chi^2/\text{NDF}: 396.3/26$

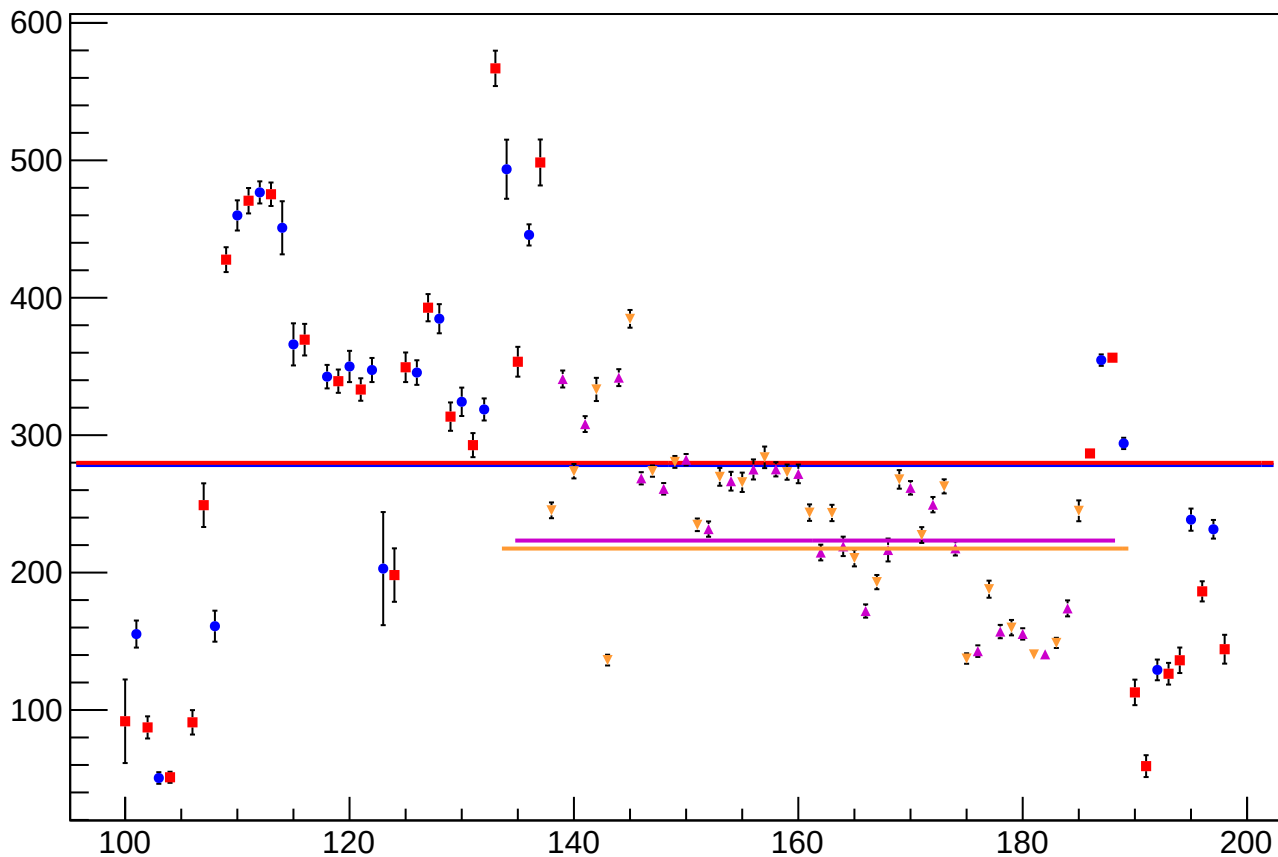
Left In: 2.540 ± 0.822 $\chi^2/\text{NDF}: 473.6/22$

+ sign 4.293 ± 0.647 $\chi^2/\text{NDF}: 961.5/46$

All: 5.020 ± 0.457 $\chi^2/\text{NDF}: 1873.4/96$

- sign 5.745 ± 0.645 $\chi^2/\text{NDF}: 909.4/49$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 278.251 $\pm$ 1.629 χ^2 /NDF: 5912.2/21

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 279.857 $\pm$ 1.242 χ^2 /NDF: 9940.5/26

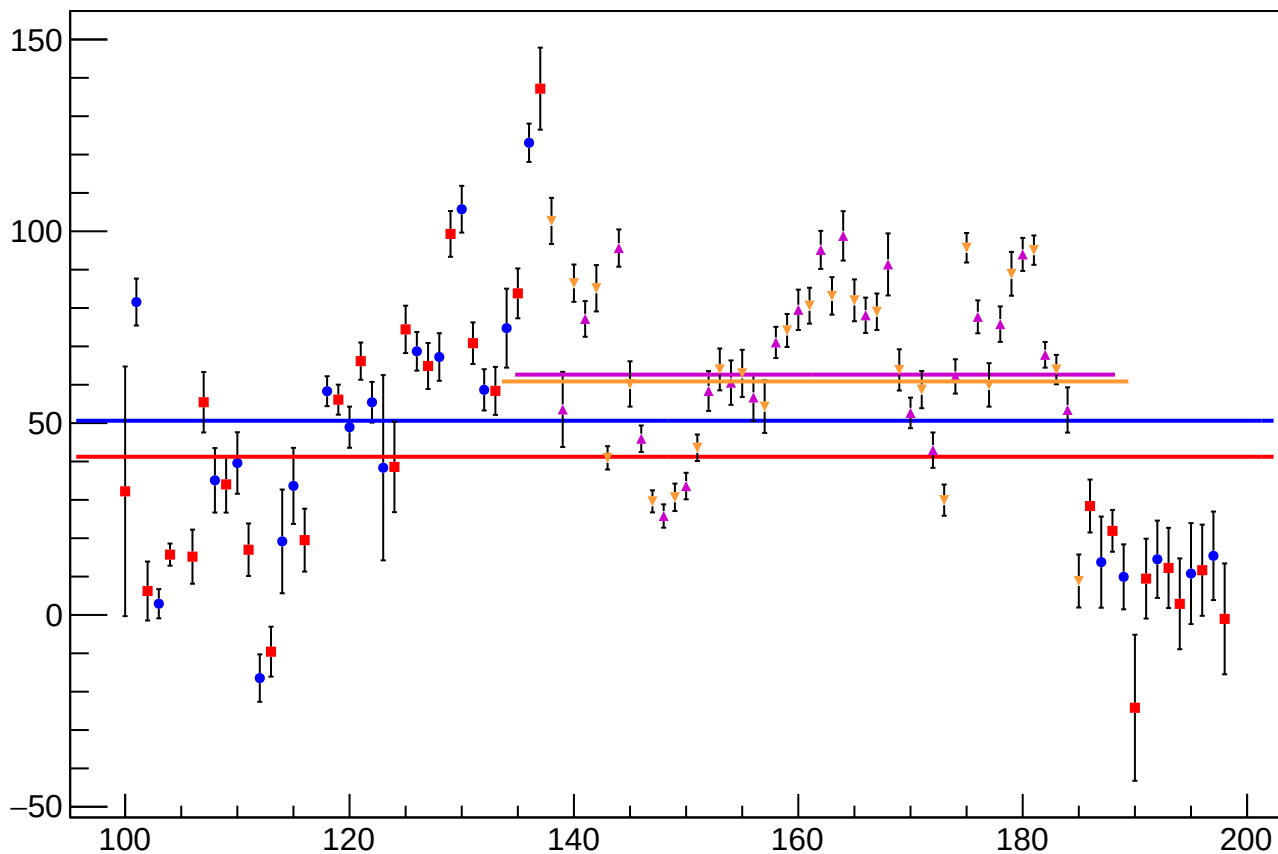
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 234.896 $\pm$ 0.872 χ^2 /NDF: 10674.5/46

All: 241.516 $\pm$ 0.592 χ^2 /NDF: 25297.6/96

- sign 247.188 $\pm$ 0.807 χ^2 /NDF: 14516.0/49

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 50.624 $\pm$ 1.379 χ^2 /NDF: 703.2/21

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 41.232 $\pm$ 1.254 χ^2 /NDF: 608.5/26

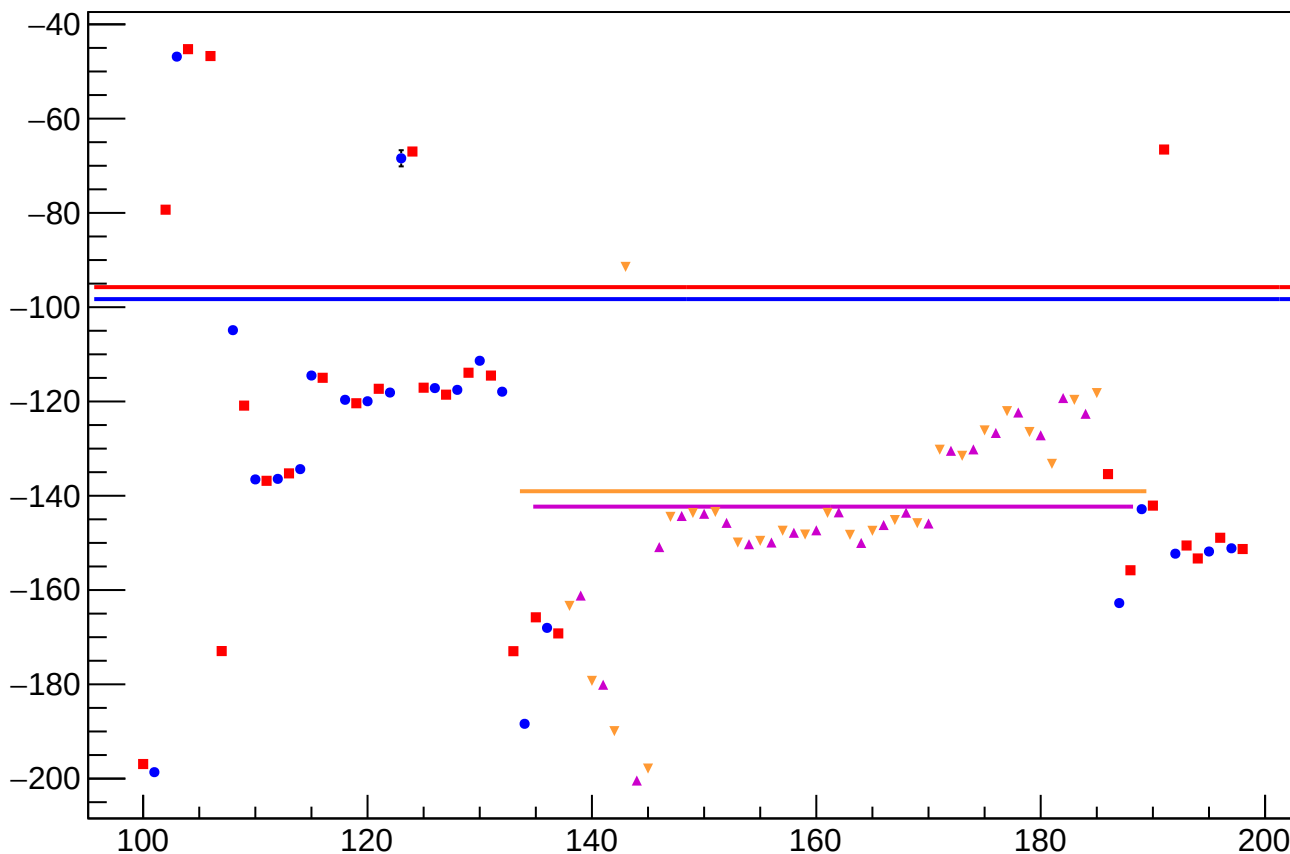
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 57.820 $\pm$ 0.752 χ^2 /NDF: 1473.6/46

All: 56.367 $\pm$ 0.532 χ^2 /NDF: 2791.2/96

- sign 54.907 $\pm$ 0.753 χ^2 /NDF: 1310.2/49

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -98.286+/-0.063 χ^2/NDF : 631001.2/21

Left Out: -139.040+/-0.043 χ^2/NDF : 258113.4/24

Right Out: -95.743+/-0.058 χ^2/NDF : 679369.6/26

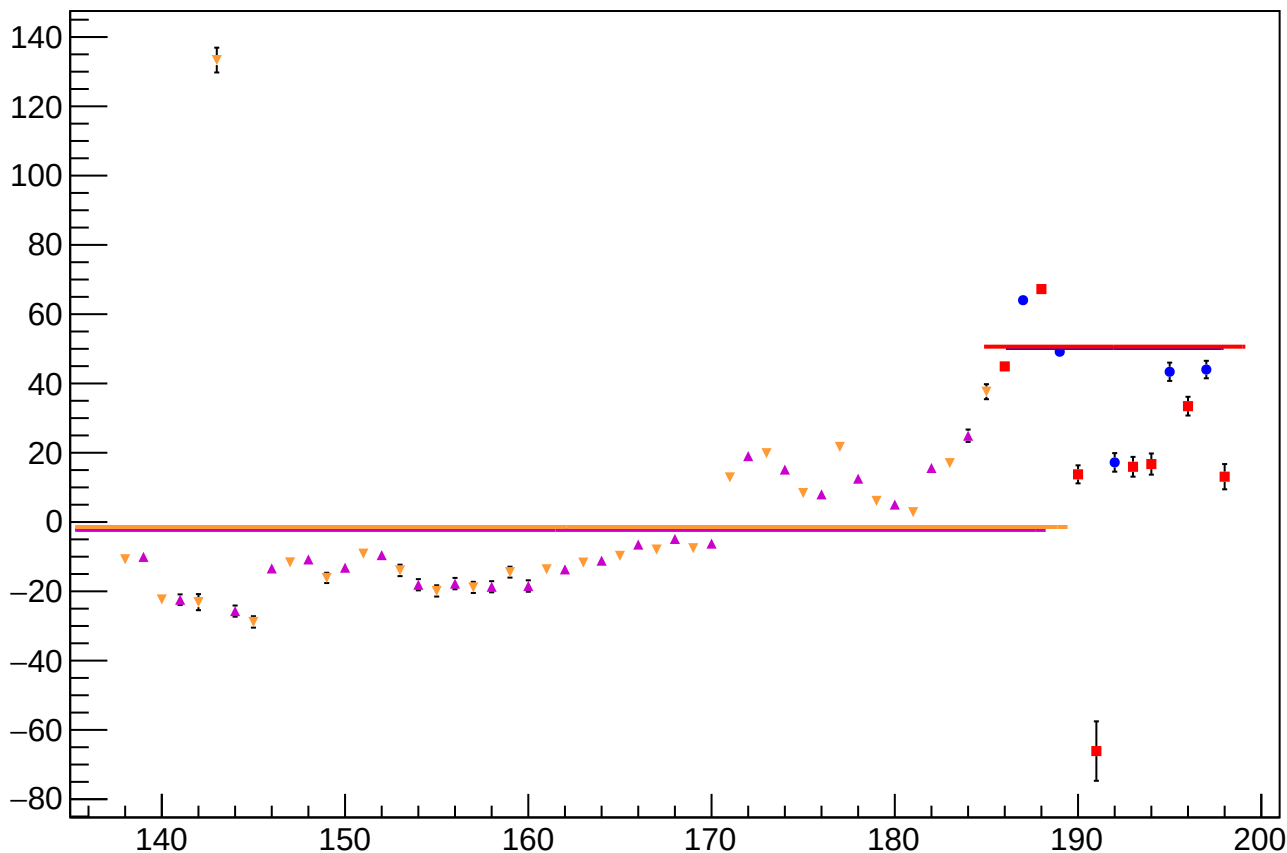
Left In: -142.305+/-0.044 χ^2/NDF : 143351.8/22

+ sign -126.267+/-0.036 χ^2/NDF : 1172358.8/46

All: -125.741+/-0.025 χ^2/NDF : 2404772.7/96

- sign -125.228+/-0.035 χ^2/NDF : 1231980.8/49

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 50.260 $\pm$ 0.837 χ^2 /NDF: 263.8/4

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 50.626 $\pm$ 0.527 χ^2 /NDF: 1306.5/7

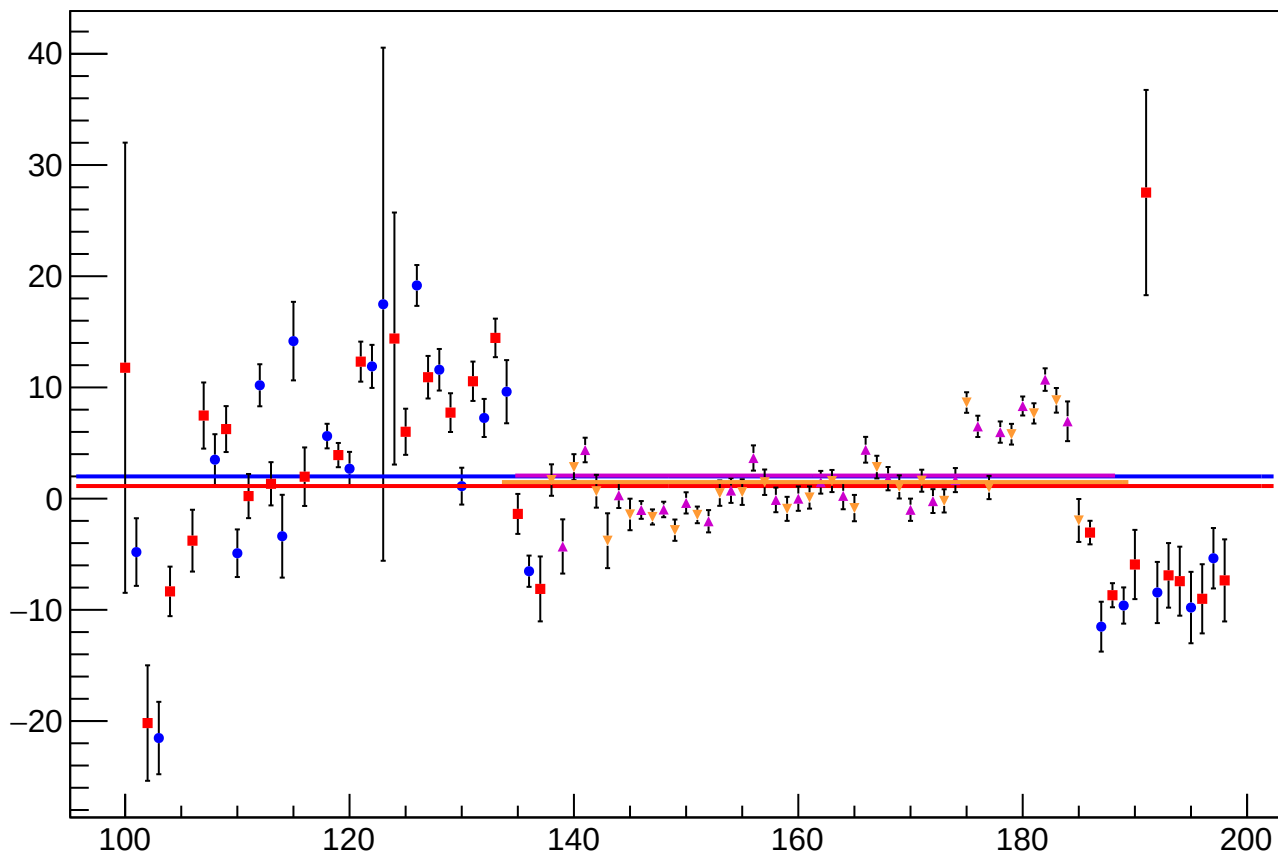
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 3.368 $\pm$ 0.255 χ^2 /NDF: 8062.9/29

All: 6.234 $\pm$ 0.175 χ^2 /NDF: 20113.0/60

- sign 8.792 $\pm$ 0.241 χ^2 /NDF: 11810.9/30

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 1.998 ± 0.429 $\chi^2/\text{NDF}: 428.1/21$

Left Out: 1.491 ± 0.210 $\chi^2/\text{NDF}: 259.1/24$

Right Out: 1.132 ± 0.386 $\chi^2/\text{NDF}: 383.6/26$

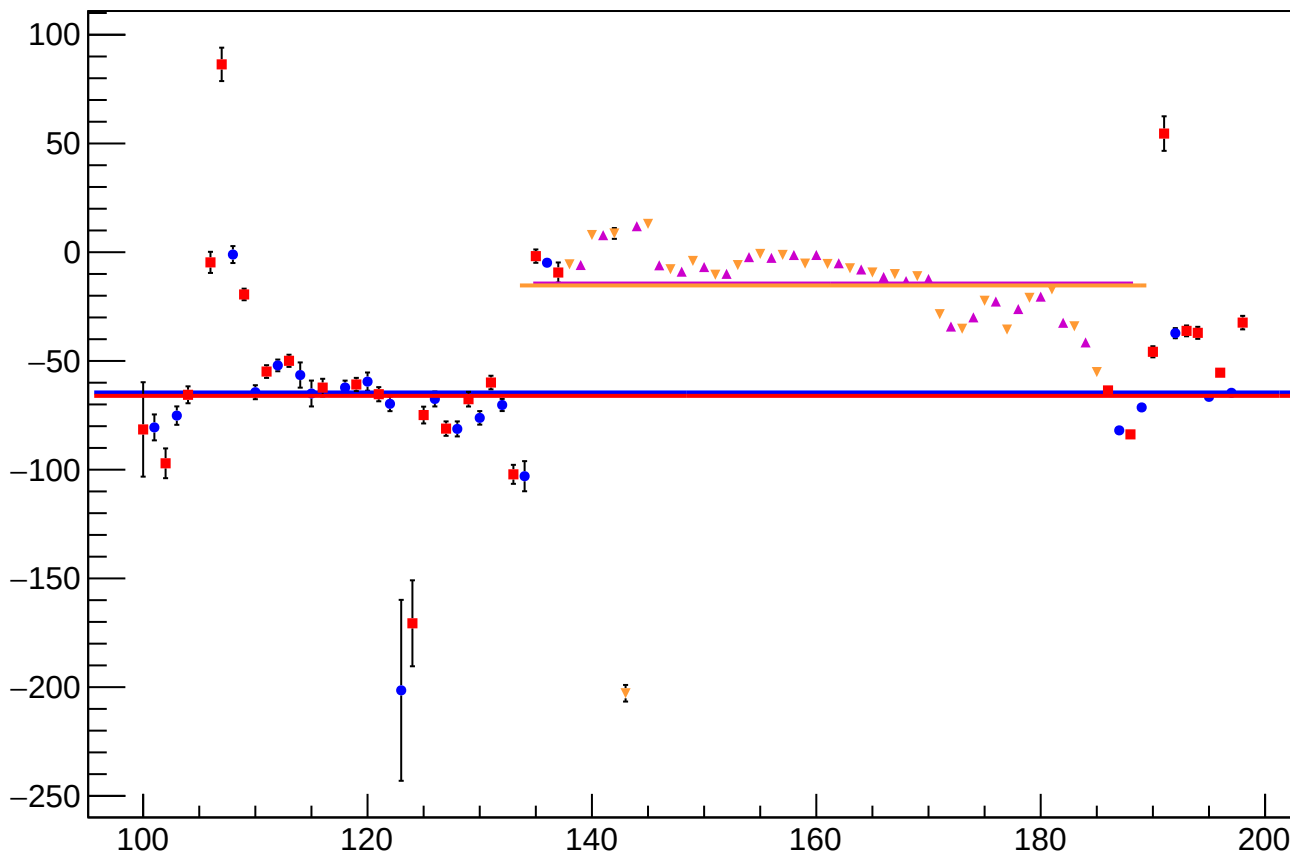
Left In: 2.075 ± 0.215 $\chi^2/\text{NDF}: 274.6/22$

+ sign 1.589 ± 0.189 $\chi^2/\text{NDF}: 688.3/46$

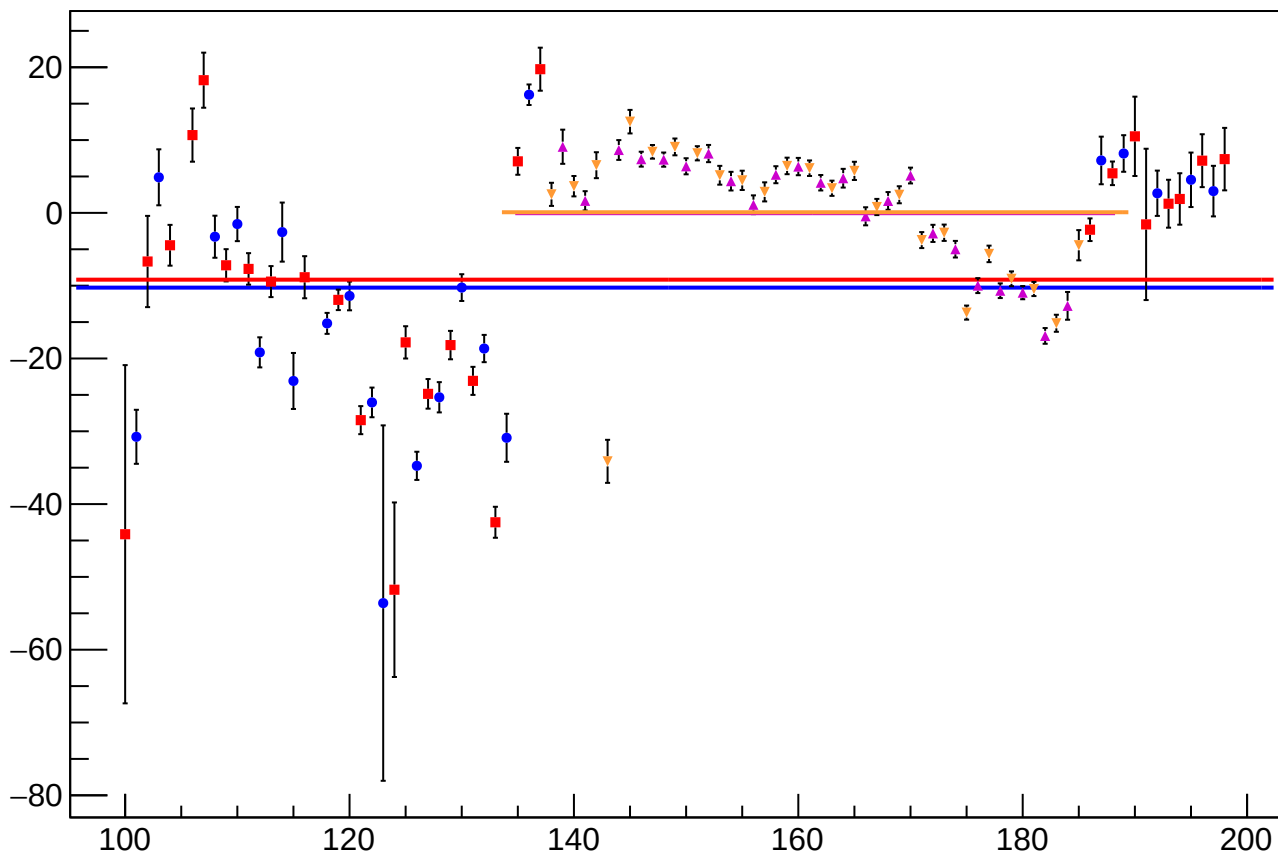
All: 1.721 ± 0.133 $\chi^2/\text{NDF}: 1351.9/96$

- sign 1.851 ± 0.188 $\chi^2/\text{NDF}: 662.7/49$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -10.266 ± 0.502 χ^2/NDF : 928.3/21

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -9.174 ± 0.467 χ^2/NDF : 941.2/26

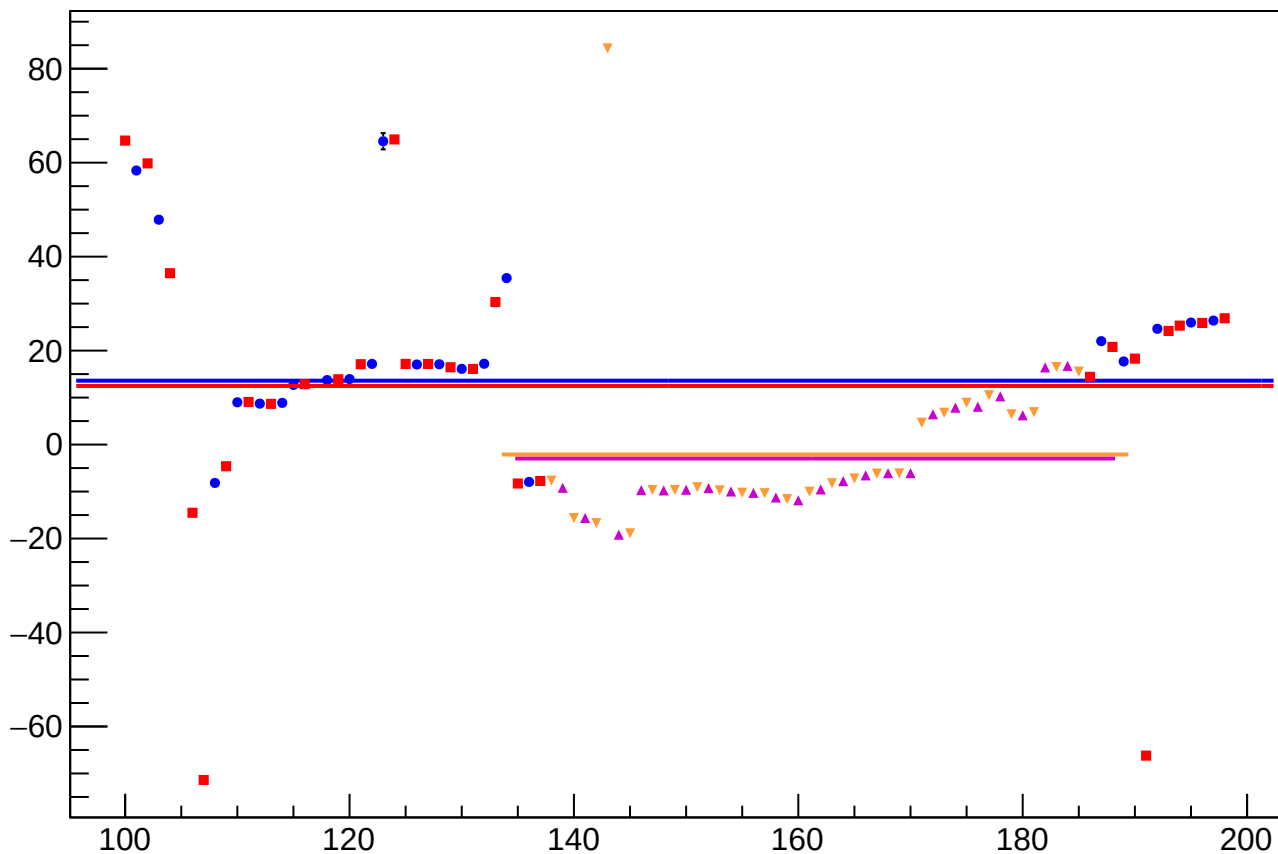
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.817 ± 0.215 χ^2/NDF : 2447.9/46

All: -1.904 ± 0.152 χ^2/NDF : 4718.5/96

- sign -1.991 ± 0.216 χ^2/NDF : 2270.3/49

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 13.597 ± 0.027 $\chi^2/\text{NDF}: 430697.1/21$

Left Out: -2.105 ± 0.011 $\chi^2/\text{NDF}: 1093120.2/24$

Right Out: 12.483 ± 0.025 $\chi^2/\text{NDF}: 709085.8/26$

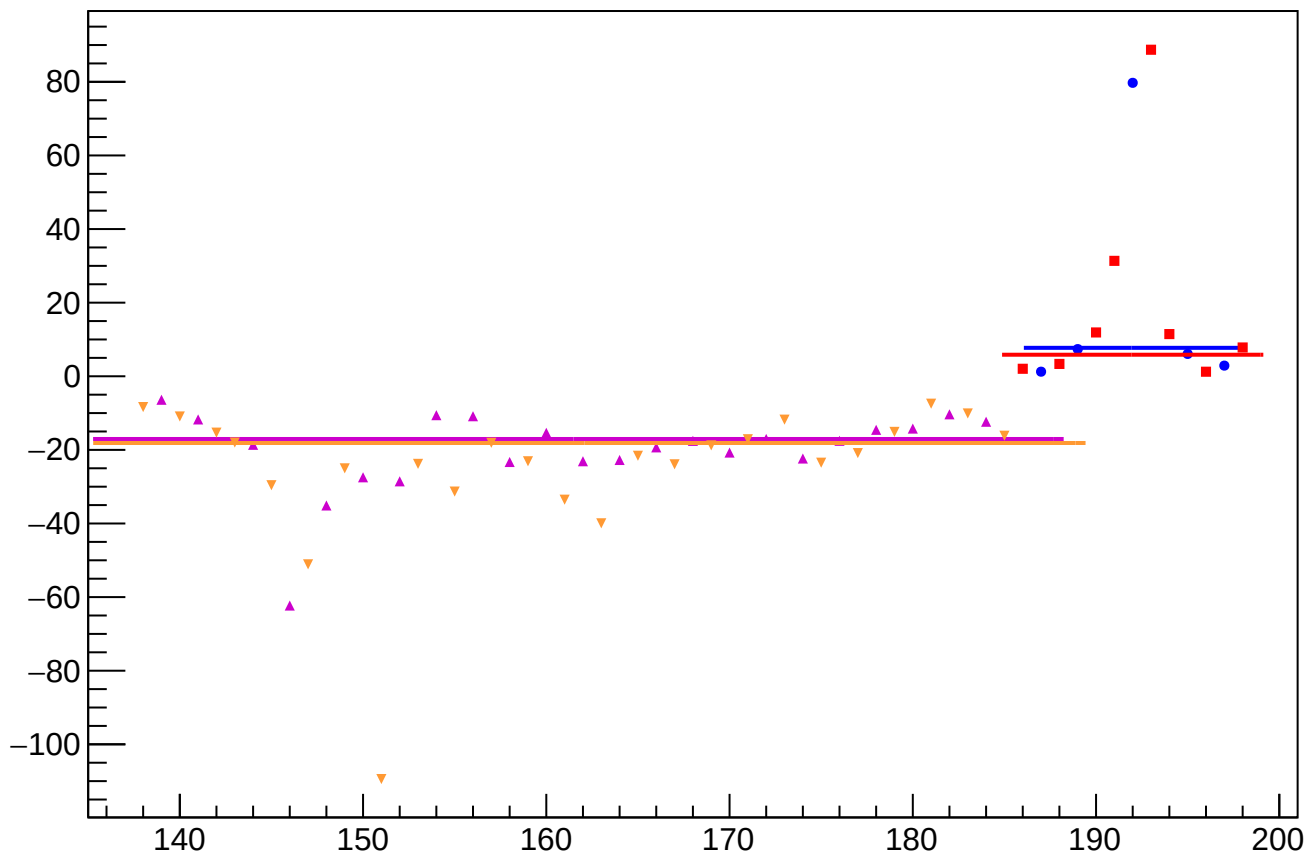
Left In: -2.959 ± 0.011 $\chi^2/\text{NDF}: 763000.9/22$

+ sign 0.149 ± 0.010 $\chi^2/\text{NDF}: 1820543.4/46$

All: -0.144 ± 0.007 $\chi^2/\text{NDF}: 3616346.8/96$

- sign -0.435 ± 0.010 $\chi^2/\text{NDF}: 1794125.7/49$

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 7.730 ± 0.099 $\chi^2/\text{NDF}: 24291.9/4$

Left Out: -18.128 ± 0.039 $\chi^2/\text{NDF}: 88551.6/24$

Right Out: 5.855 ± 0.074 $\chi^2/\text{NDF}: 24915.1/7$

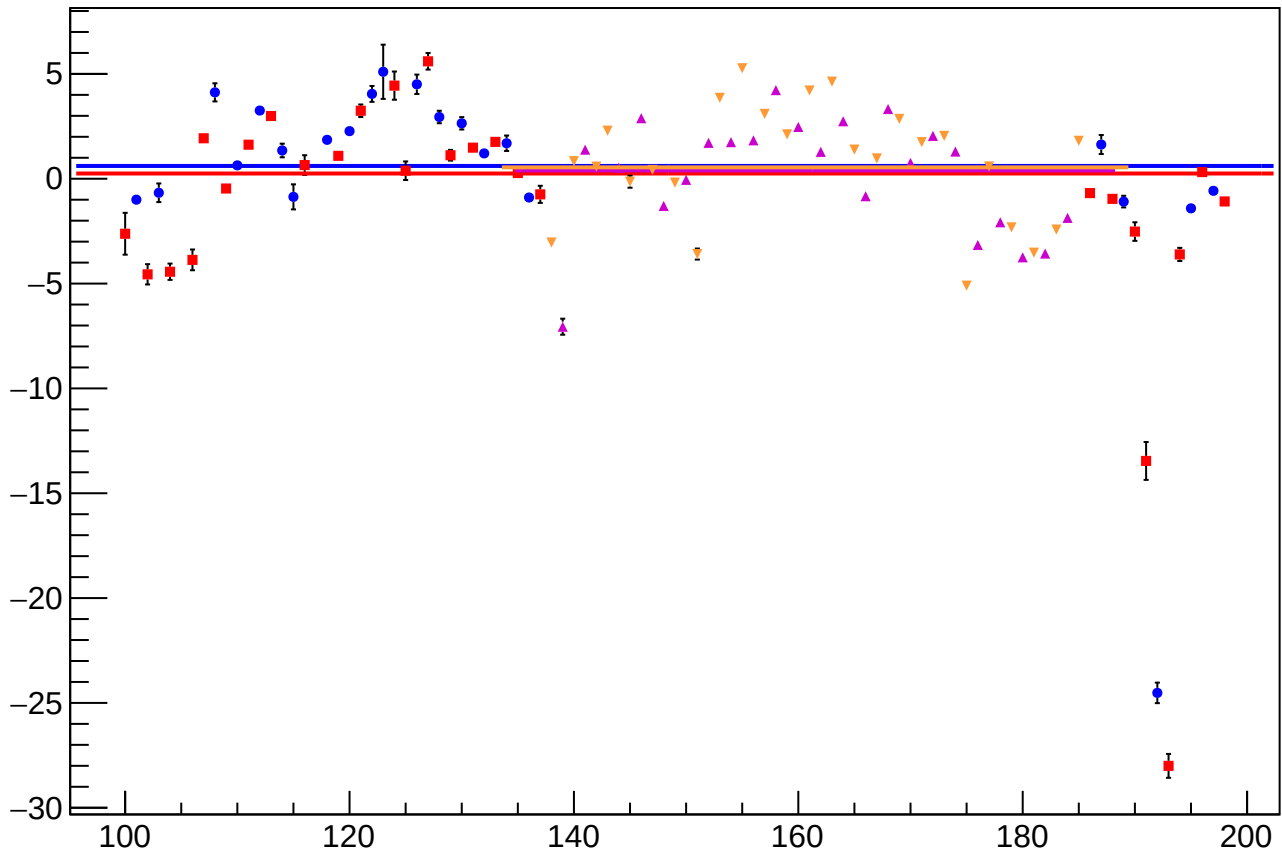
Left In: -17.038 ± 0.038 $\chi^2/\text{NDF}: 44141.1/22$

+ sign -14.646 ± 0.036 $\chi^2/\text{NDF}: 172296.7/29$

All: -13.379 ± 0.025 $\chi^2/\text{NDF}: 318735.9/60$

- sign -12.264 ± 0.034 $\chi^2/\text{NDF}: 144135.3/30$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.610 ± 0.054 $\chi^2/\text{NDF}: 3618.8/21$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.250 ± 0.049 $\chi^2/\text{NDF}: 4131.2/26$

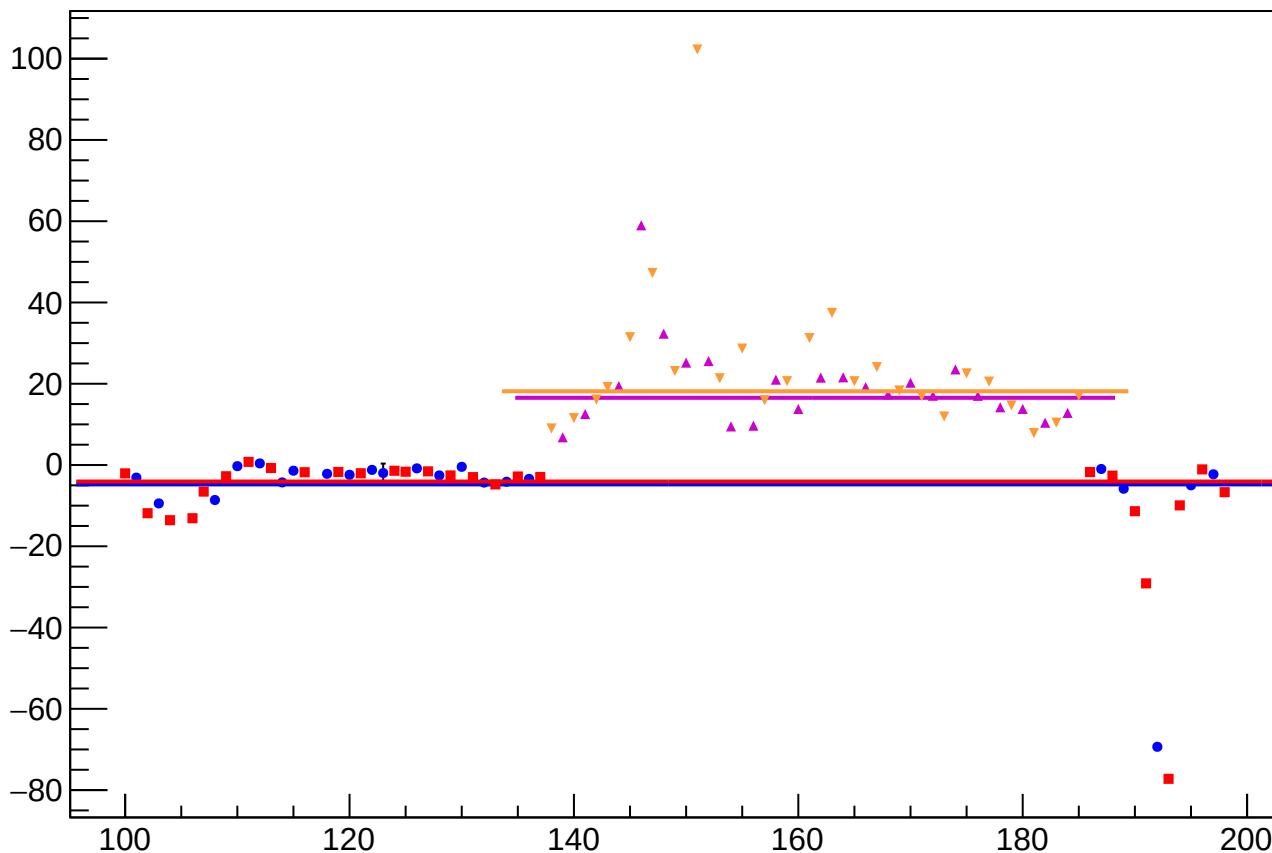
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.561 ± 0.028 $\chi^2/\text{NDF}: 10705.2/46$

All: 0.451 ± 0.019 $\chi^2/\text{NDF}: 21107.4/96$

- sign 0.356 ± 0.026 $\chi^2/\text{NDF}: 10373.3/49$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -4.774 ± 0.066 $\chi^2/\text{NDF}: 25854.9/21$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -4.061 ± 0.052 $\chi^2/\text{NDF}: 26516.1/26$

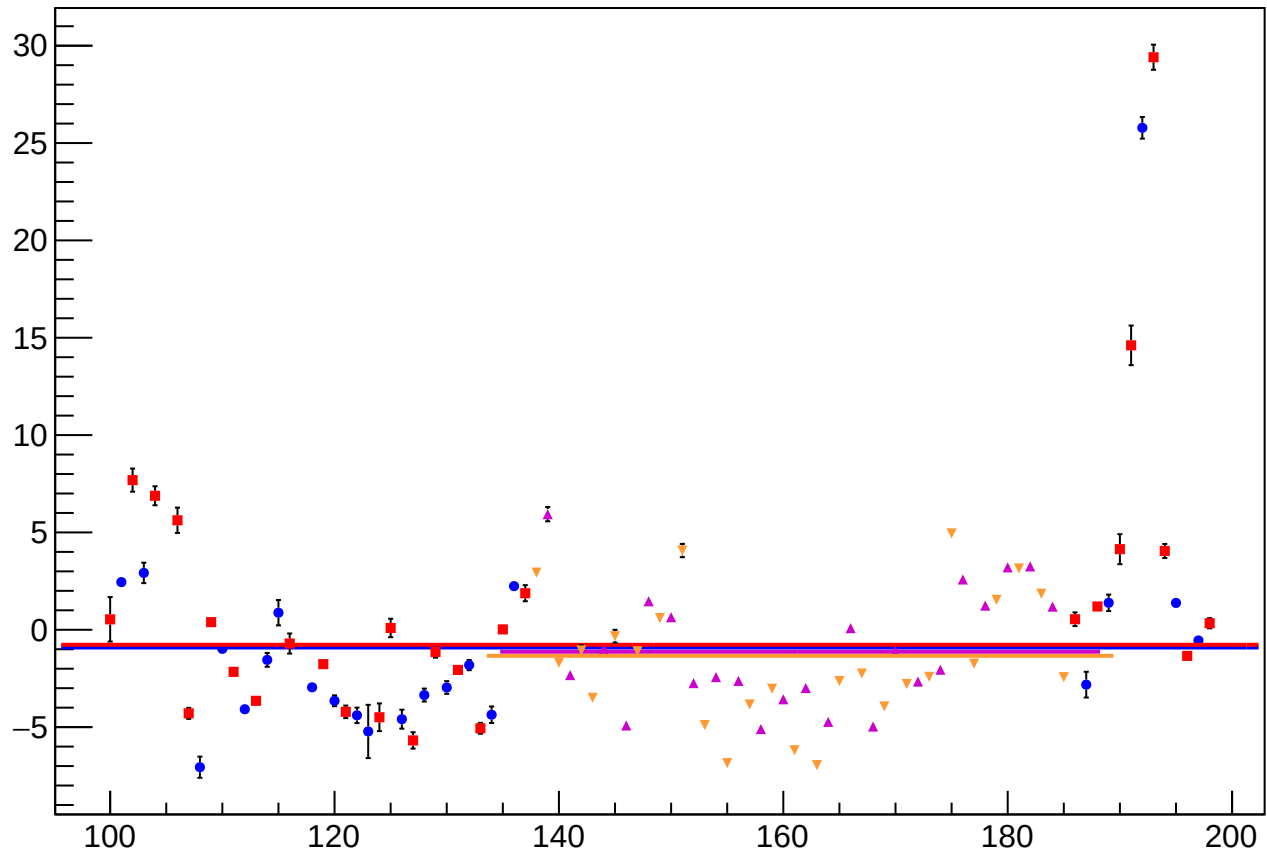
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 12.228 ± 0.034 $\chi^2/\text{NDF}: 192537.2/46$

All: 10.711 ± 0.023 $\chi^2/\text{NDF}: 365984.6/96$

- sign 9.459 ± 0.031 $\chi^2/\text{NDF}: 169743.5/49$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.910 ± 0.064 χ^2/NDF : 3820.0/21

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.771 ± 0.058 χ^2/NDF : 4387.0/26

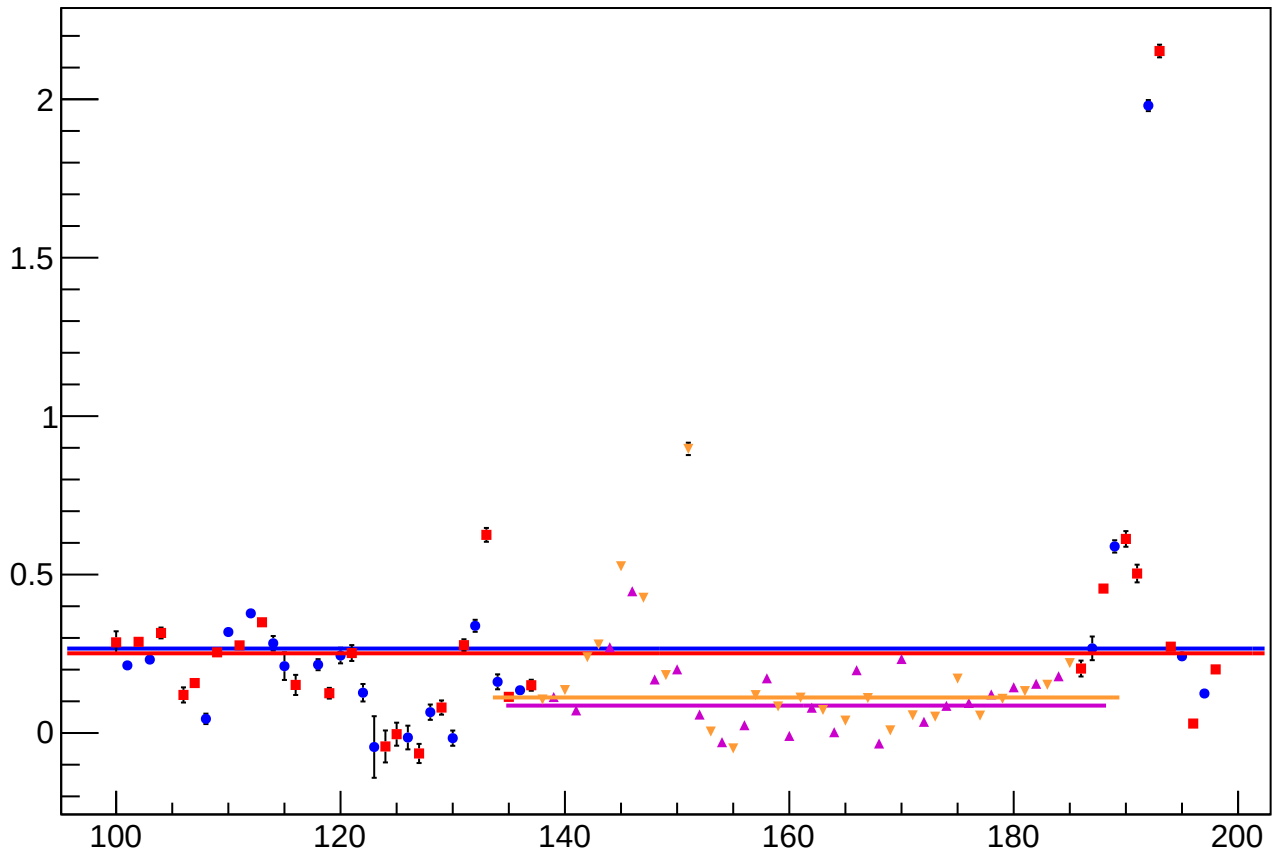
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.235 ± 0.031 χ^2/NDF : 11797.2/46

All: -1.129 ± 0.021 χ^2/NDF : 22974.5/96

- sign -1.036 ± 0.029 χ^2/NDF : 11155.9/49

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.266 $\pm$ 0.003 χ^2 /NDF: 11077.6/21

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF:4503.9/24

Right Out: 0.251 $\pm$ 0.003 χ^2 /NDF: 11580.0/26

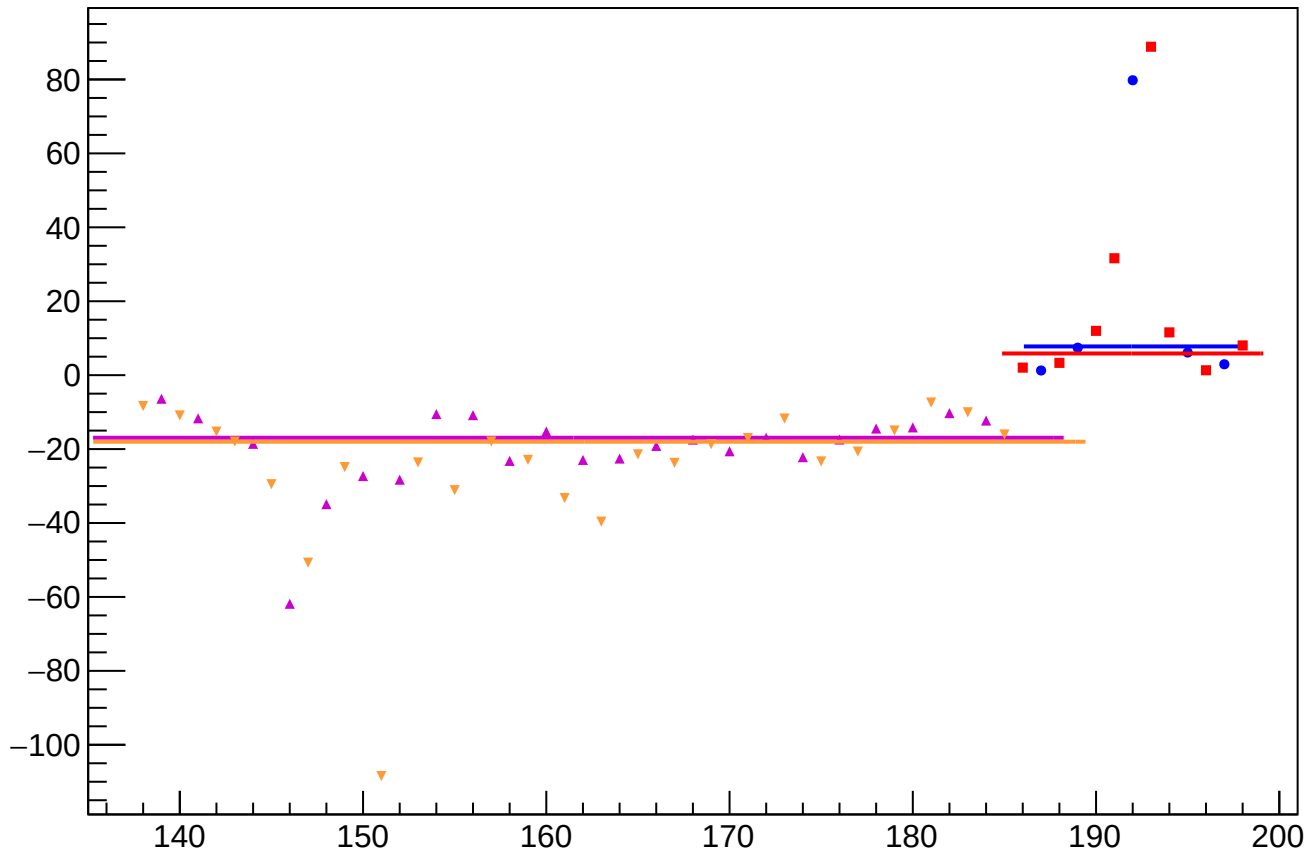
Left In: 0.087 $\pm$ 0.002 χ^2 /NDF:3655.4/22

+ sign 0.144 $\pm$ 0.001 χ^2 /NDF: 17489.8/46

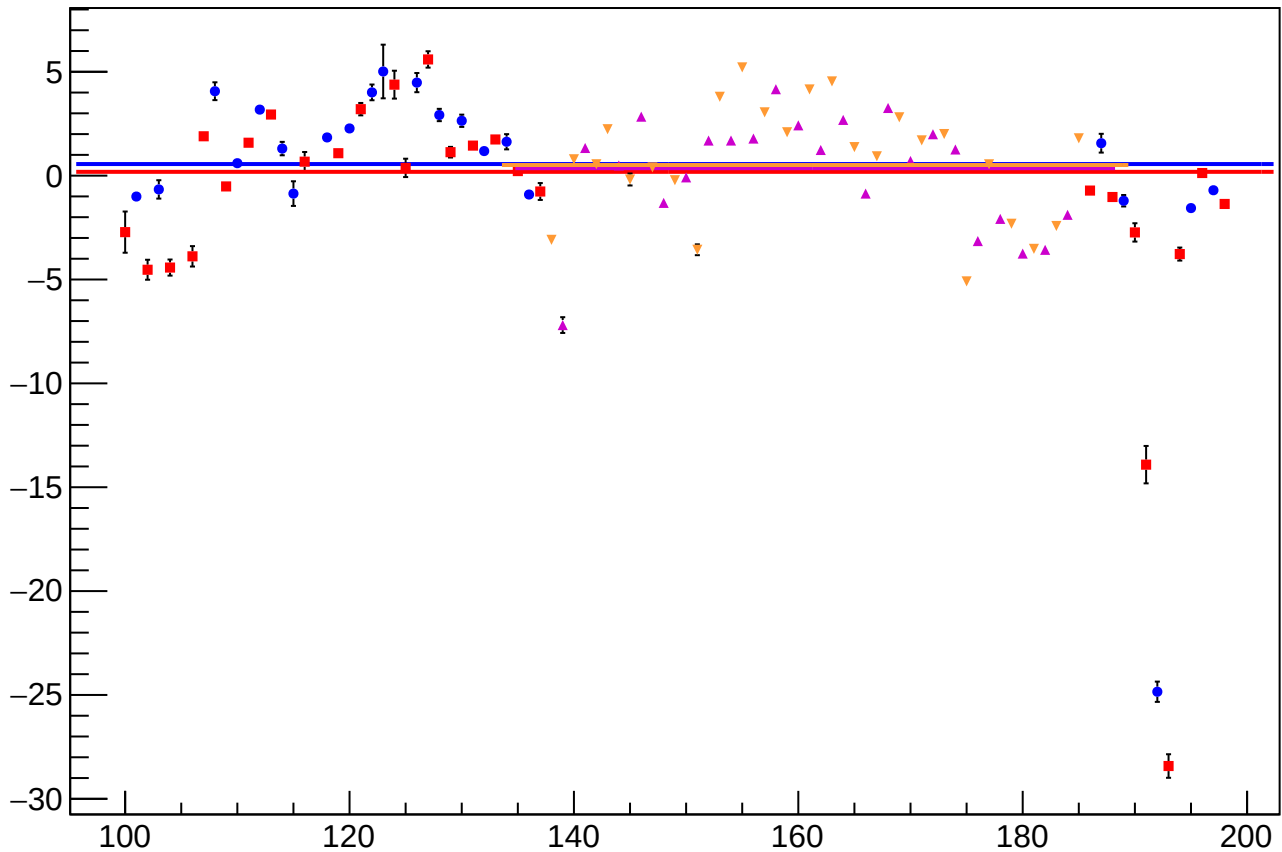
All: 0.133 $\pm$ 0.001 χ^2 /NDF: 35550.0/96

- sign 0.124 $\pm$ 0.001 χ^2 /NDF: 17951.9/49

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.054 χ^2/NDF : 3725.7/21

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.184 ± 0.049 χ^2/NDF : 4282.1/26

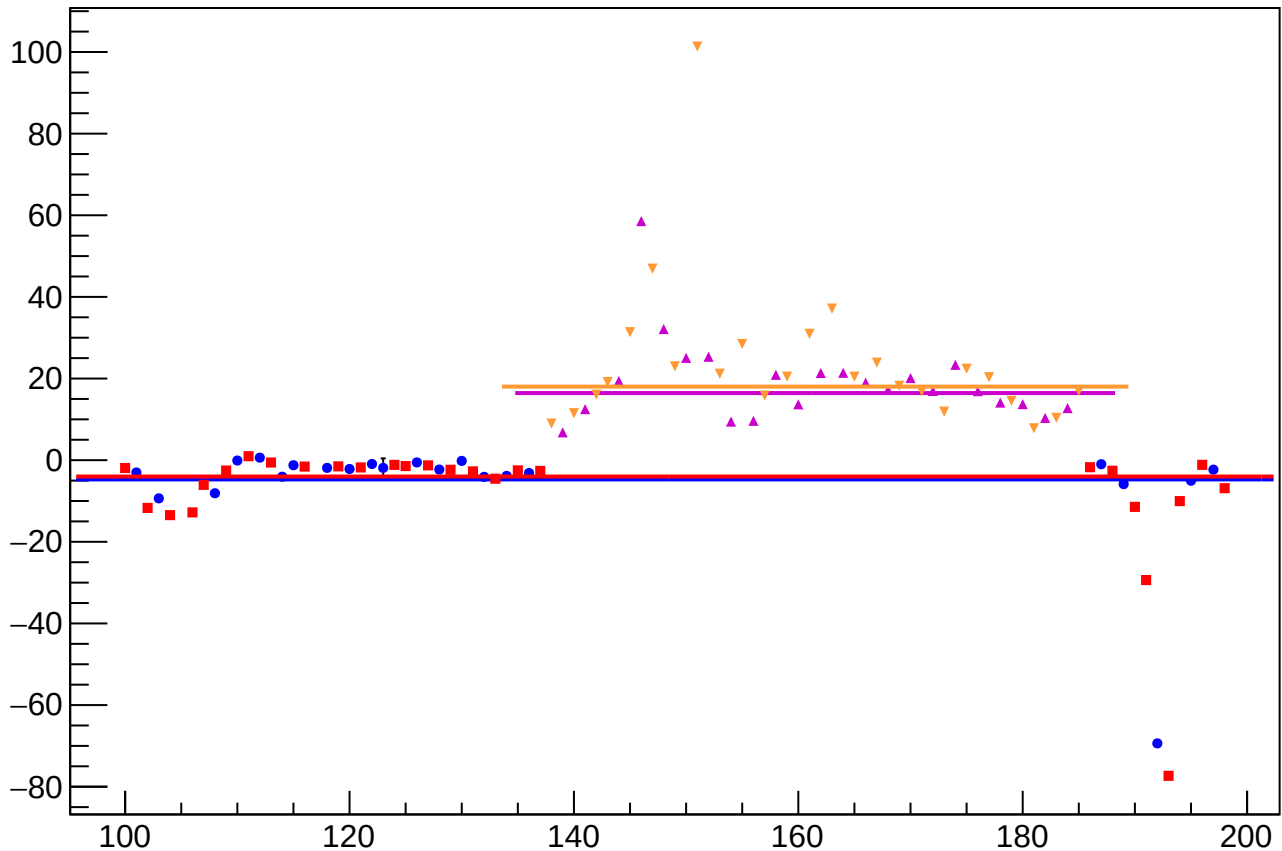
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.524 ± 0.028 χ^2/NDF : 10796.6/46

All: 0.410 ± 0.019 χ^2/NDF : 21340.9/96

- sign 0.310 ± 0.026 χ^2/NDF : 10512.5/49

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -4.714 ± 0.066 $\chi^2/\text{NDF}: 26156.9/21$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -4.007 ± 0.052 $\chi^2/\text{NDF}: 26956.6/26$

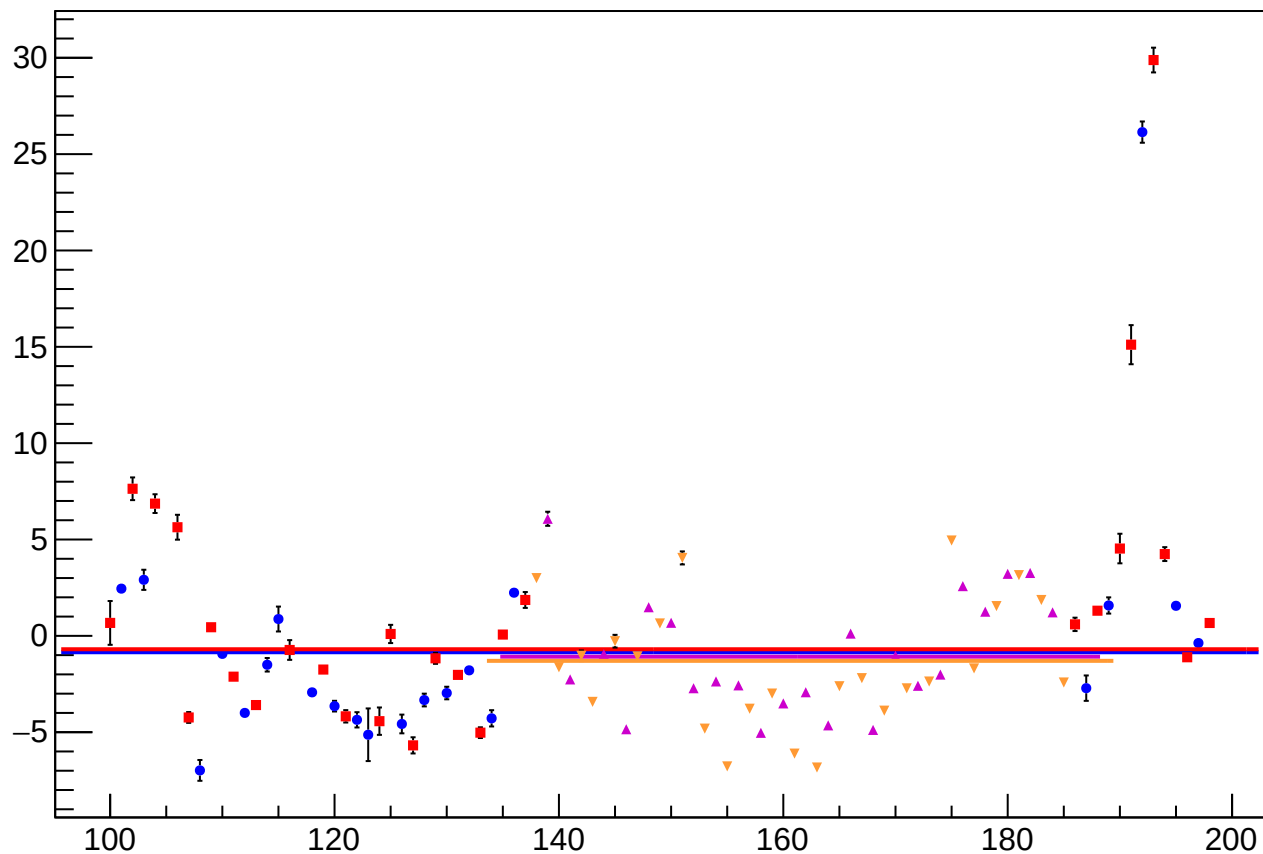
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 12.173 ± 0.033 $\chi^2/\text{NDF}: 192216.3/46$

All: 10.652 ± 0.022 $\chi^2/\text{NDF}: 366118.7/96$

- sign 9.398 ± 0.030 $\chi^2/\text{NDF}: 170131.4/49$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.850 ± 0.064 χ^2/NDF : 3911.4/21

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.695 ± 0.057 χ^2/NDF : 4528.5/26

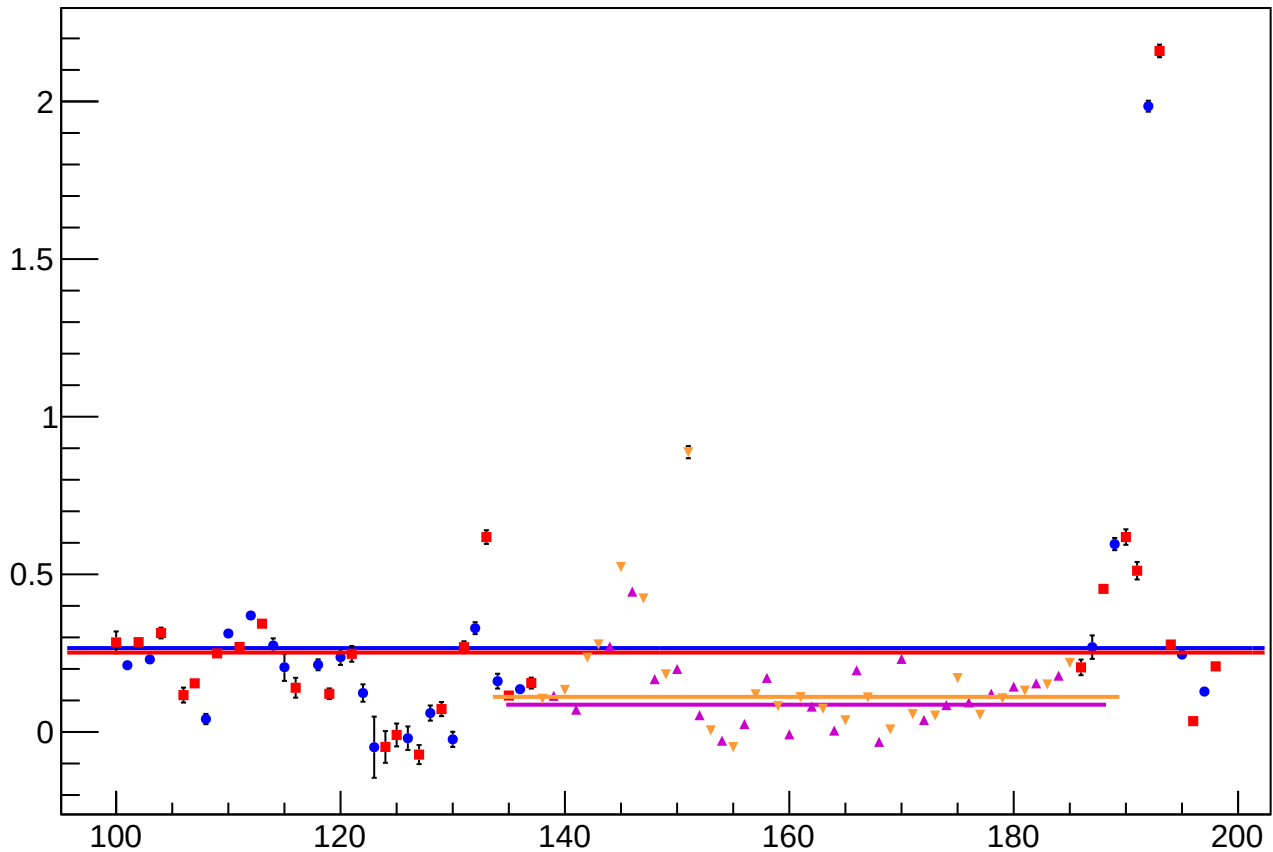
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.190 ± 0.031 χ^2/NDF : 11874.1/46

All: -1.079 ± 0.021 χ^2/NDF : 23184.3/96

- sign -0.981 ± 0.029 χ^2/NDF : 11286.3/49

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.266 ± 0.003 χ^2/NDF : 11212.6/21

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.252 ± 0.003 χ^2/NDF : 11714.6/26

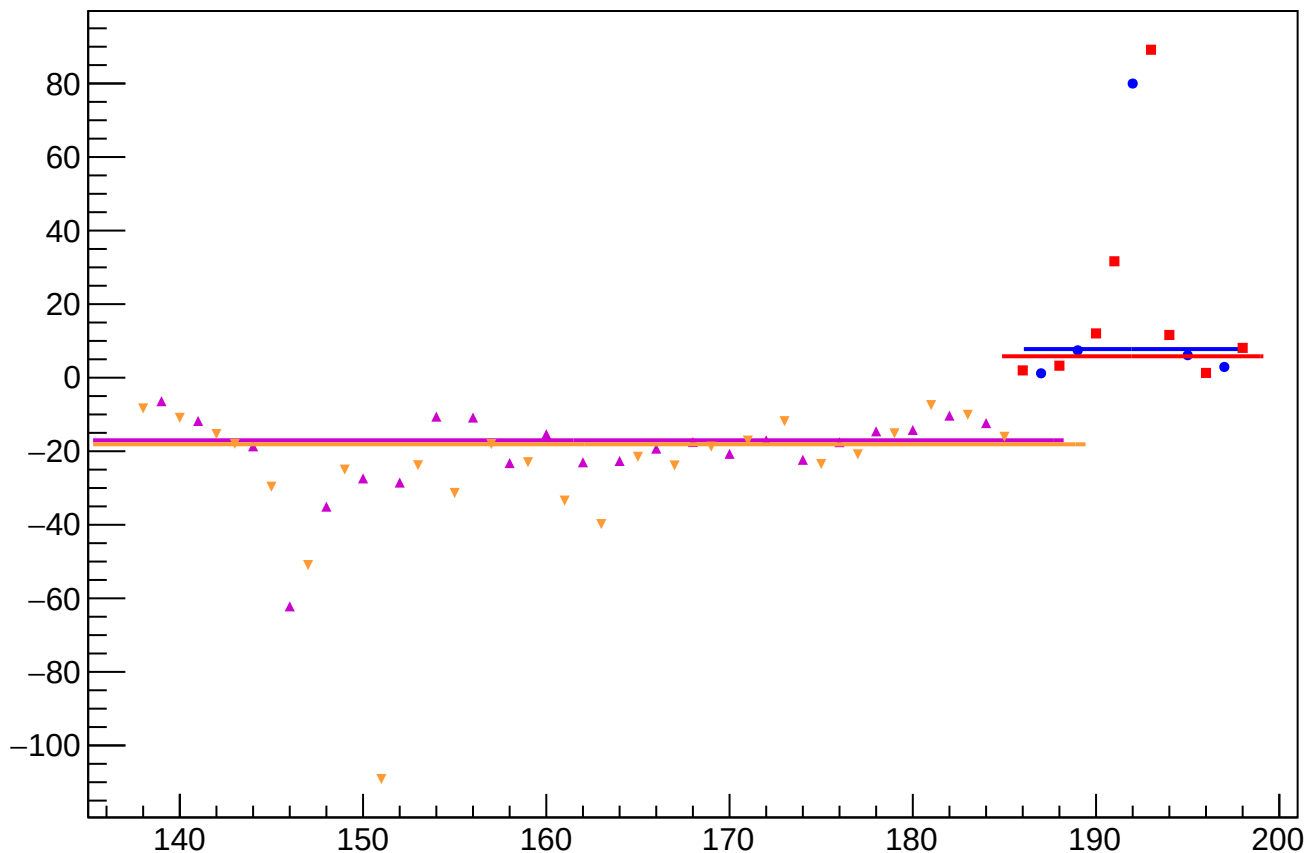
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.143 ± 0.001 χ^2/NDF : 17643.7/46

All: 0.133 ± 0.001 χ^2/NDF : 35843.8/96

- sign 0.124 ± 0.001 χ^2/NDF : 18098.6/49

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 7.776 ± 0.099 χ^2/NDF : 24466.6/4

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 5.820 ± 0.074 χ^2/NDF : 25285.8/7

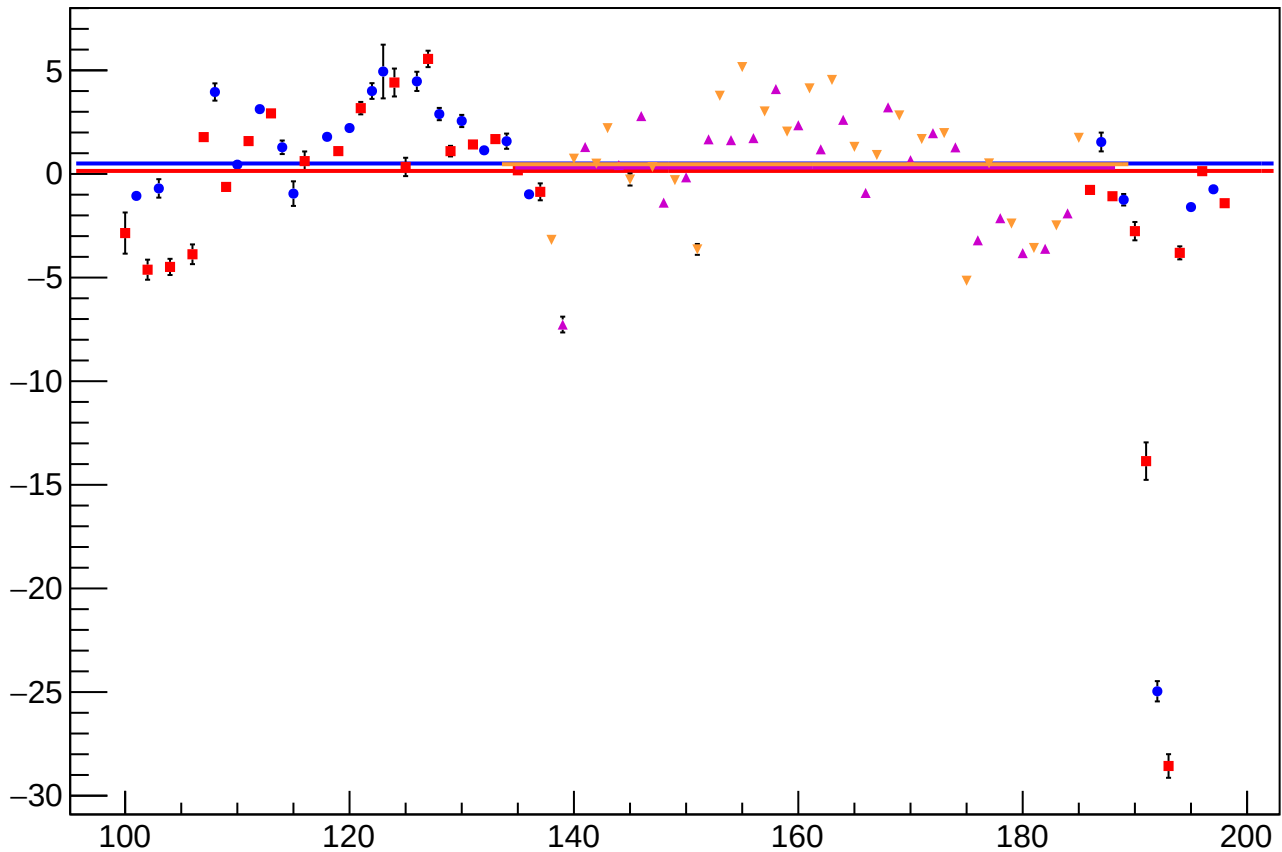
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -14.652 ± 0.036 χ^2/NDF : 172482.2/29

All: -13.358 ± 0.025 χ^2/NDF : 320049.1/60

- sign -12.224 ± 0.034 χ^2/NDF : 145158.6/30

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.505 ± 0.055 χ^2/NDF : 3717.6/21

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.146 ± 0.049 χ^2/NDF : 4280.3/26

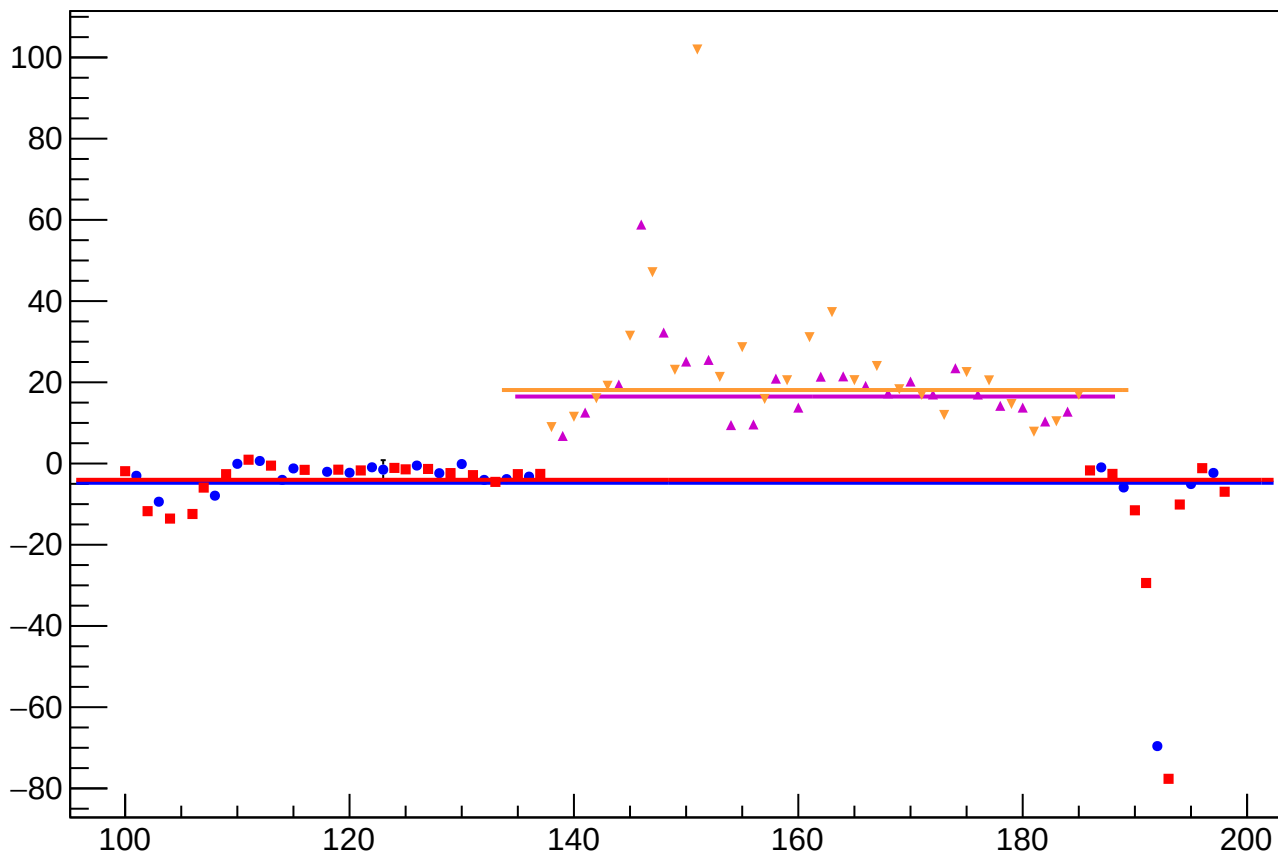
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.478 ± 0.028 χ^2/NDF : 10810.9/46

All: 0.364 ± 0.019 χ^2/NDF : 21314.1/96

- sign 0.264 ± 0.026 χ^2/NDF : 10471.5/49

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -4.738 ± 0.066 $\chi^2/\text{NDF}: 26140.6/21$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.008 ± 0.052 $\chi^2/\text{NDF}: 26952.1/26$

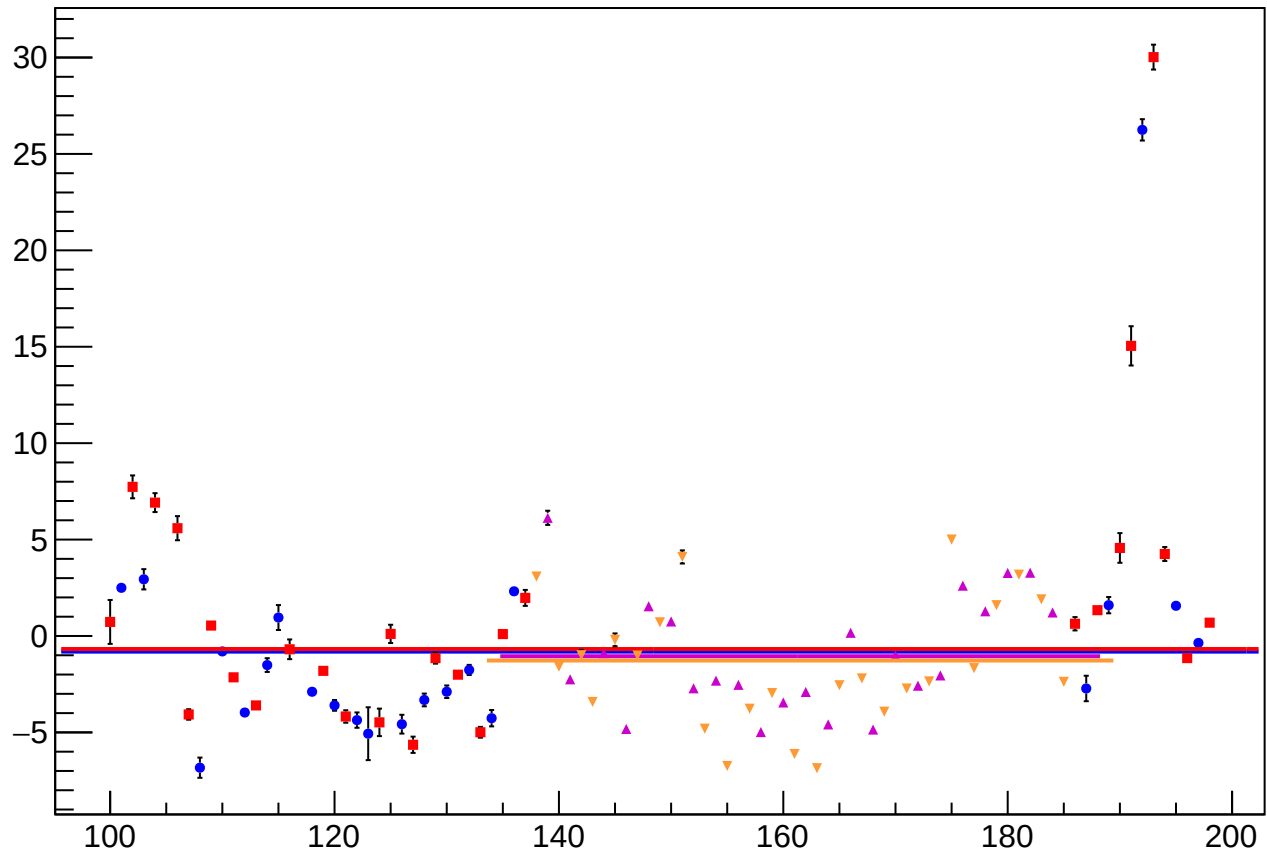
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 12.234 ± 0.034 $\chi^2/\text{NDF}: 192129.9/46$

All: 10.688 ± 0.023 $\chi^2/\text{NDF}: 366160.1/96$

- sign 9.418 ± 0.030 $\chi^2/\text{NDF}: 170176.7/49$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.810 ± 0.064 χ^2/NDF : 3905.2/21

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.676 ± 0.057 χ^2/NDF : 4529.9/26

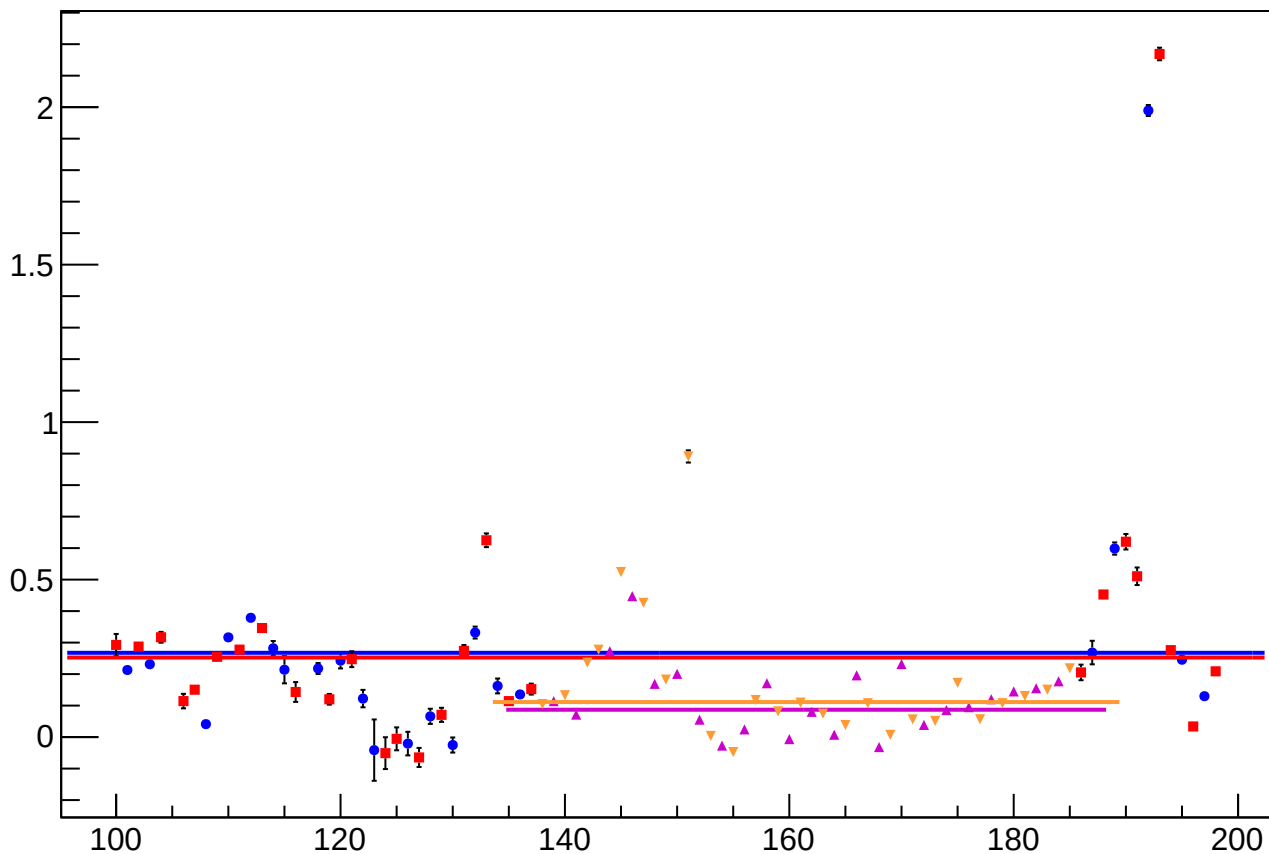
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.162 ± 0.031 χ^2/NDF : 11896.8/46

All: -1.051 ± 0.021 χ^2/NDF : 23155.3/96

- sign -0.953 ± 0.029 χ^2/NDF : 11234.7/49

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.268 ± 0.003 $\chi^2/\text{NDF}: 11205.9/21$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4474.5/24$

Right Out: 0.253 ± 0.003 $\chi^2/\text{NDF}: 11730.3/26$

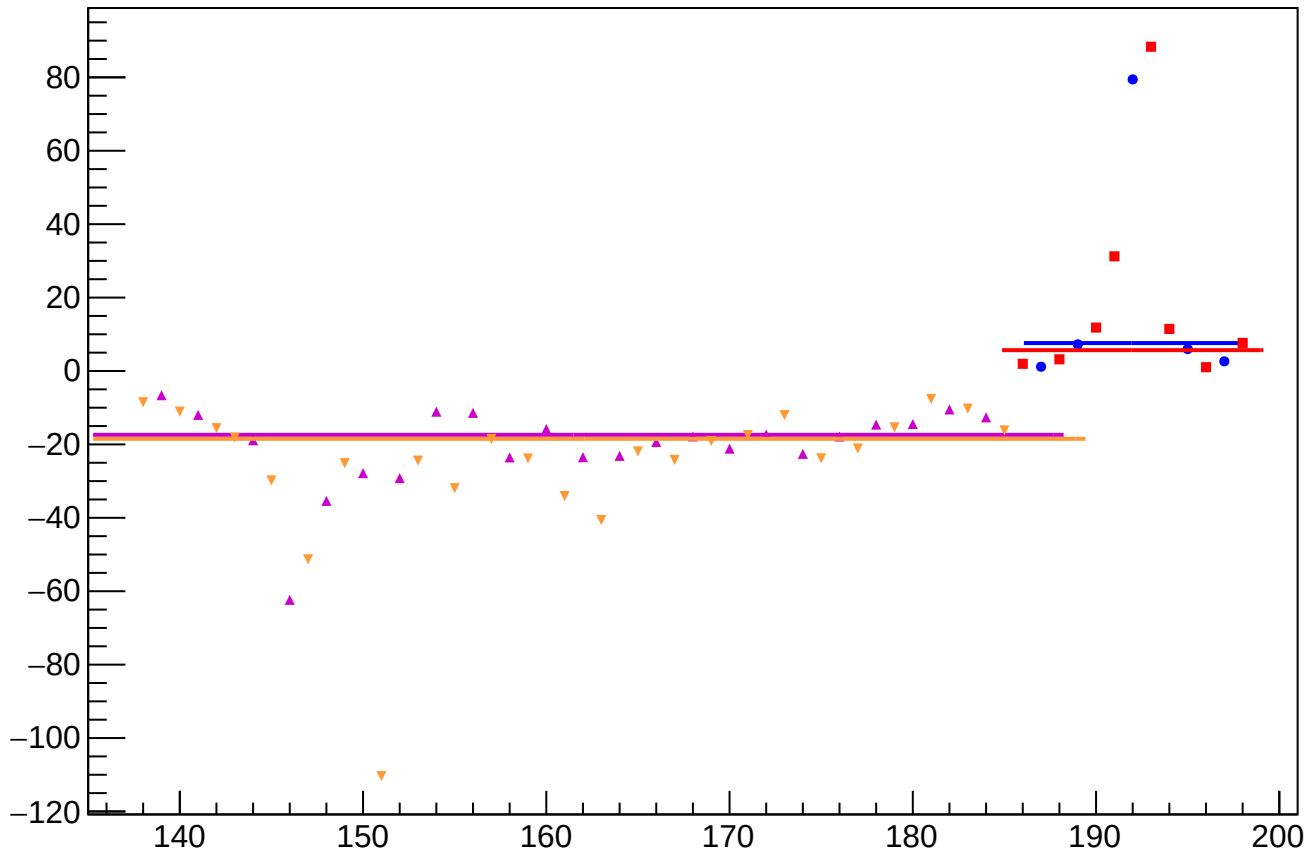
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3598.5/22$

+ sign 0.143 ± 0.001 $\chi^2/\text{NDF}: 17640.7/46$

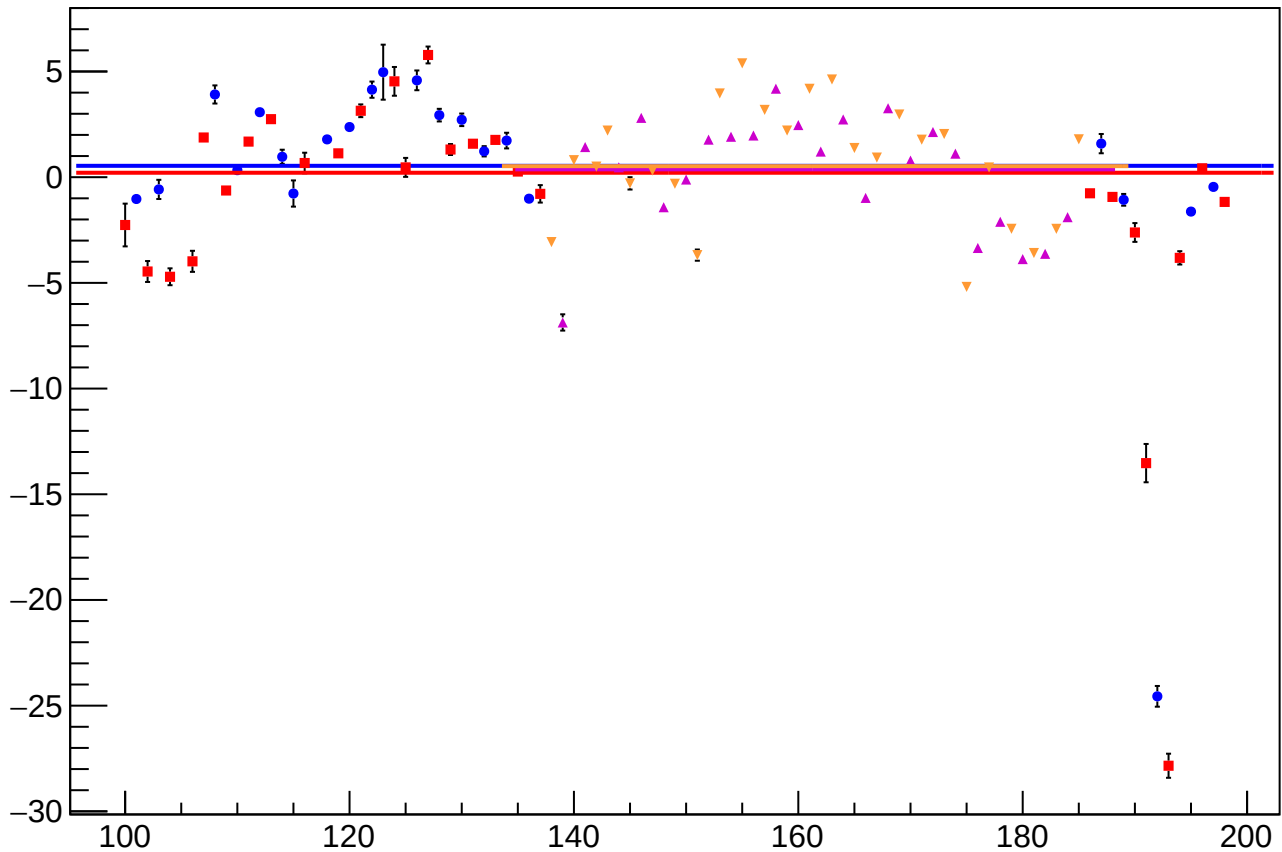
All: 0.133 ± 0.001 $\chi^2/\text{NDF}: 35818.9/96$

- sign 0.124 ± 0.001 $\chi^2/\text{NDF}: 18080.4/49$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.538 ± 0.055 $\chi^2/\text{NDF}: 3596.5/21$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.210 ± 0.050 $\chi^2/\text{NDF}: 4091.5/26$

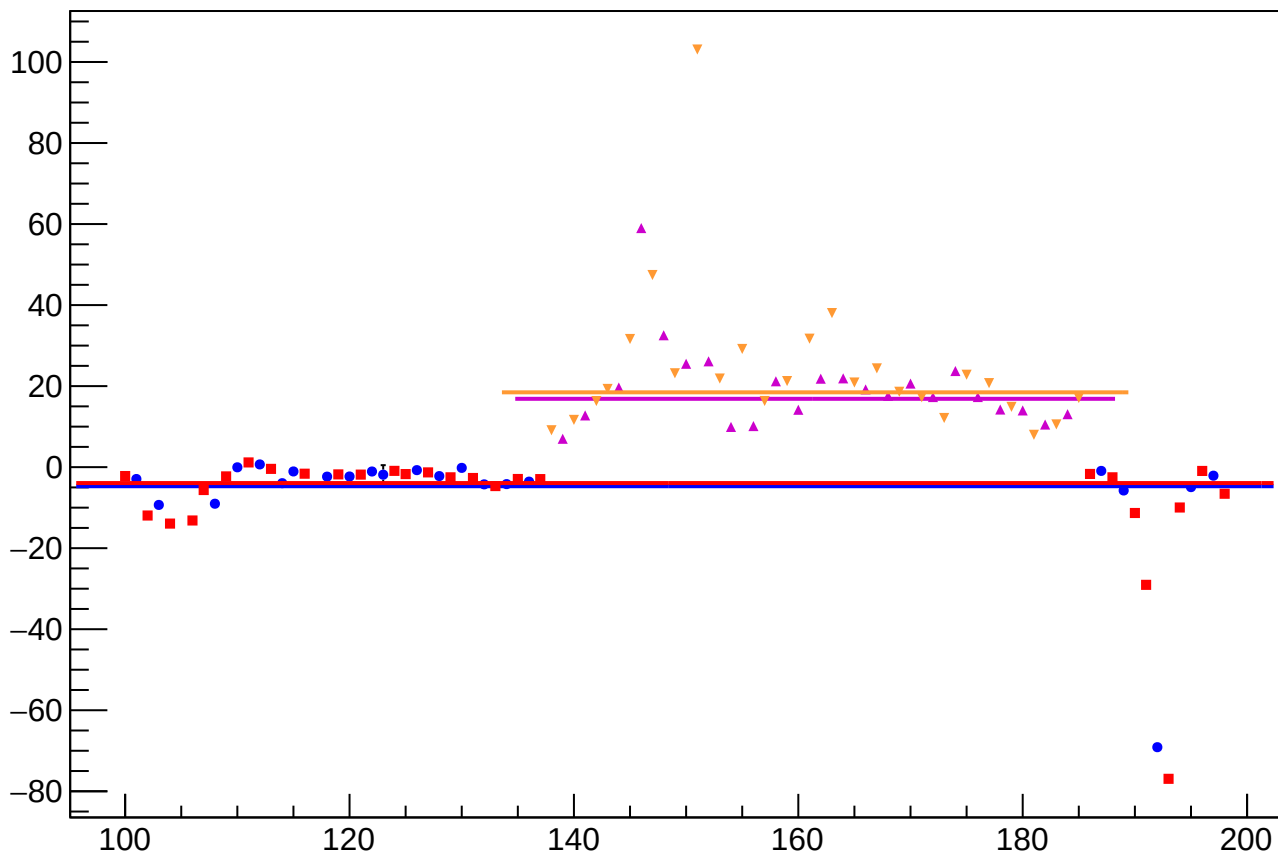
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.526 ± 0.028 $\chi^2/\text{NDF}: 10651.7/46$

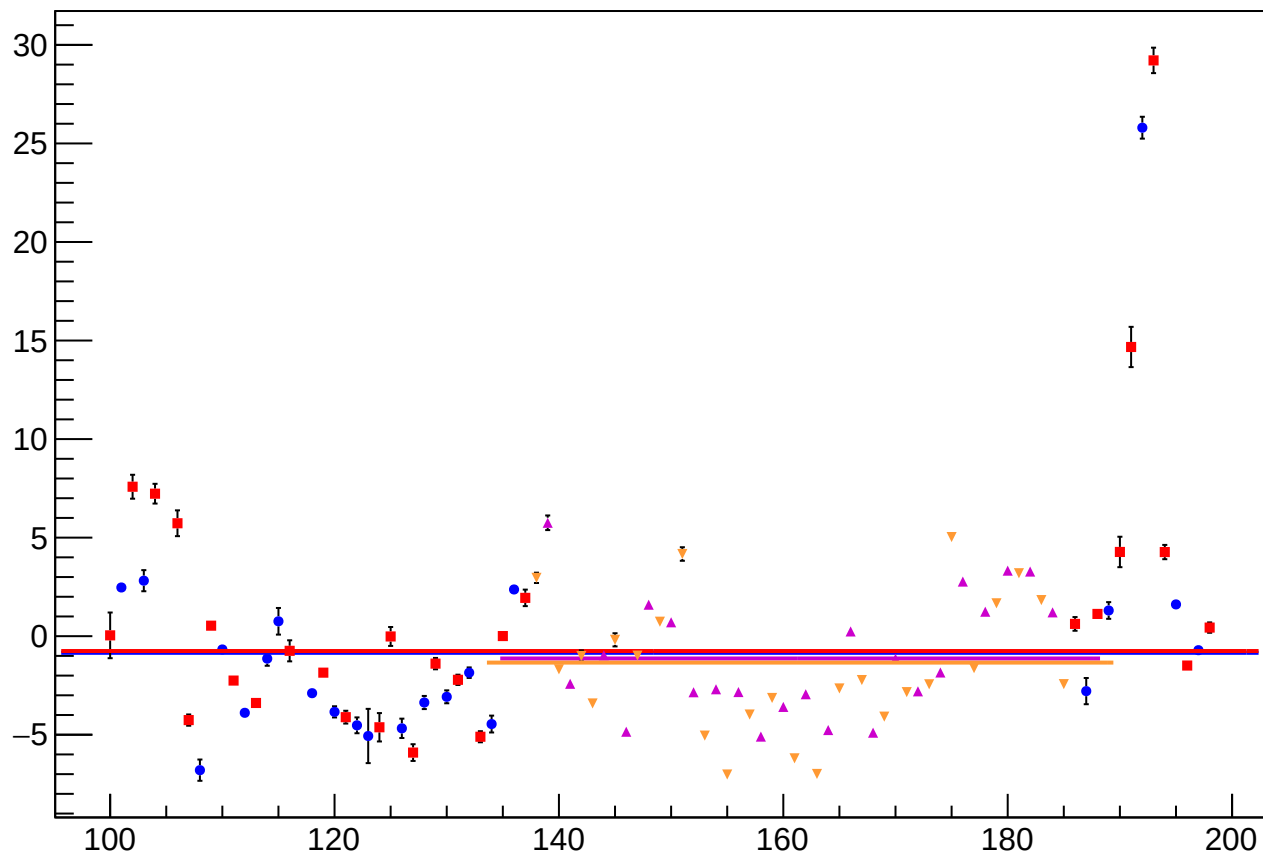
All: 0.419 ± 0.019 $\chi^2/\text{NDF}: 20994.8/96$

- sign 0.326 ± 0.027 $\chi^2/\text{NDF}: 10316.5/49$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.844 ± 0.065 χ^2/NDF : 3798.6/21

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.753 ± 0.058 χ^2/NDF : 4347.7/26

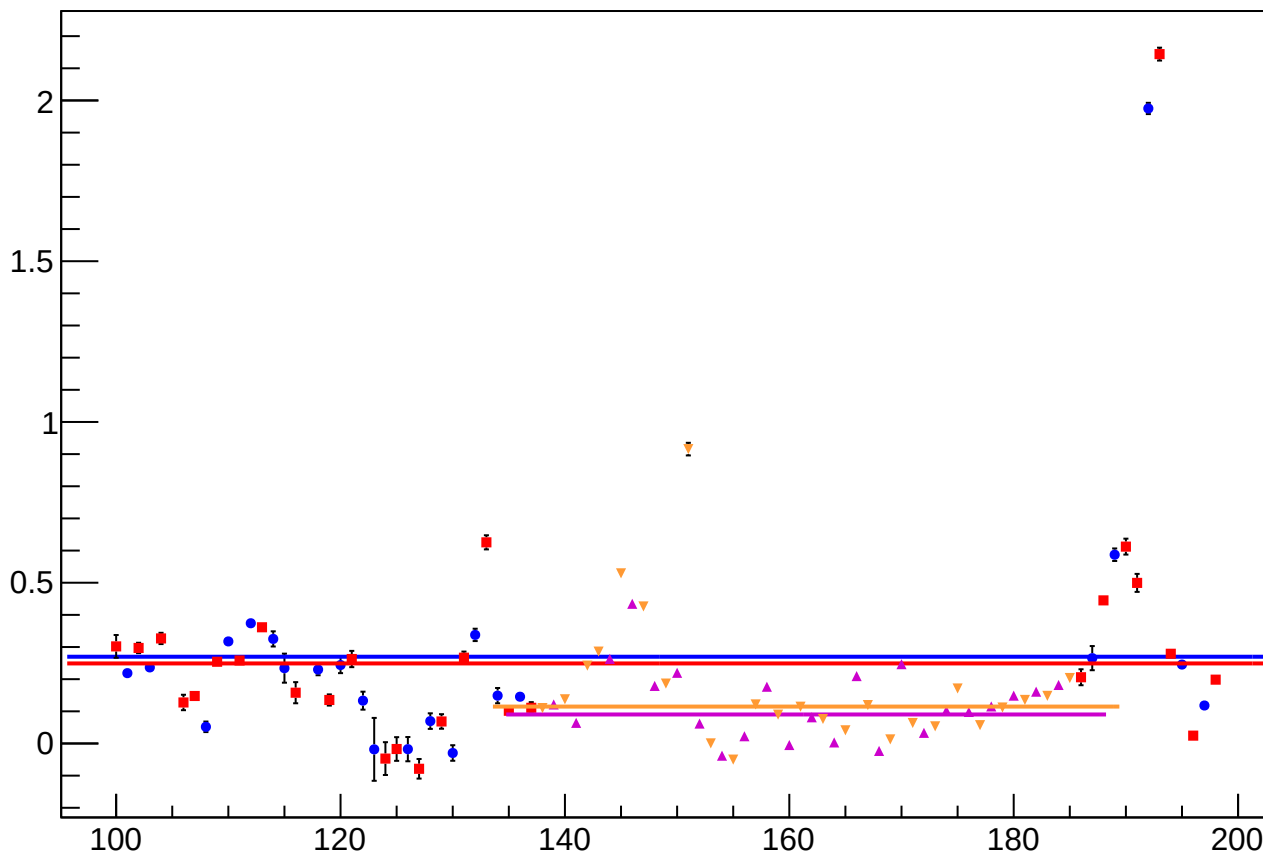
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.220 ± 0.032 χ^2/NDF : 11750.4/46

All: -1.121 ± 0.022 χ^2/NDF : 22856.0/96

- sign -1.033 ± 0.030 χ^2/NDF : 11087.2/49

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.270 ± 0.003 $\chi^2/\text{NDF}: 10944.0/21$

Left Out: 0.115 ± 0.002 $\chi^2/\text{NDF}: 4431.9/24$

Right Out: 0.249 ± 0.003 $\chi^2/\text{NDF}: 11579.5/26$

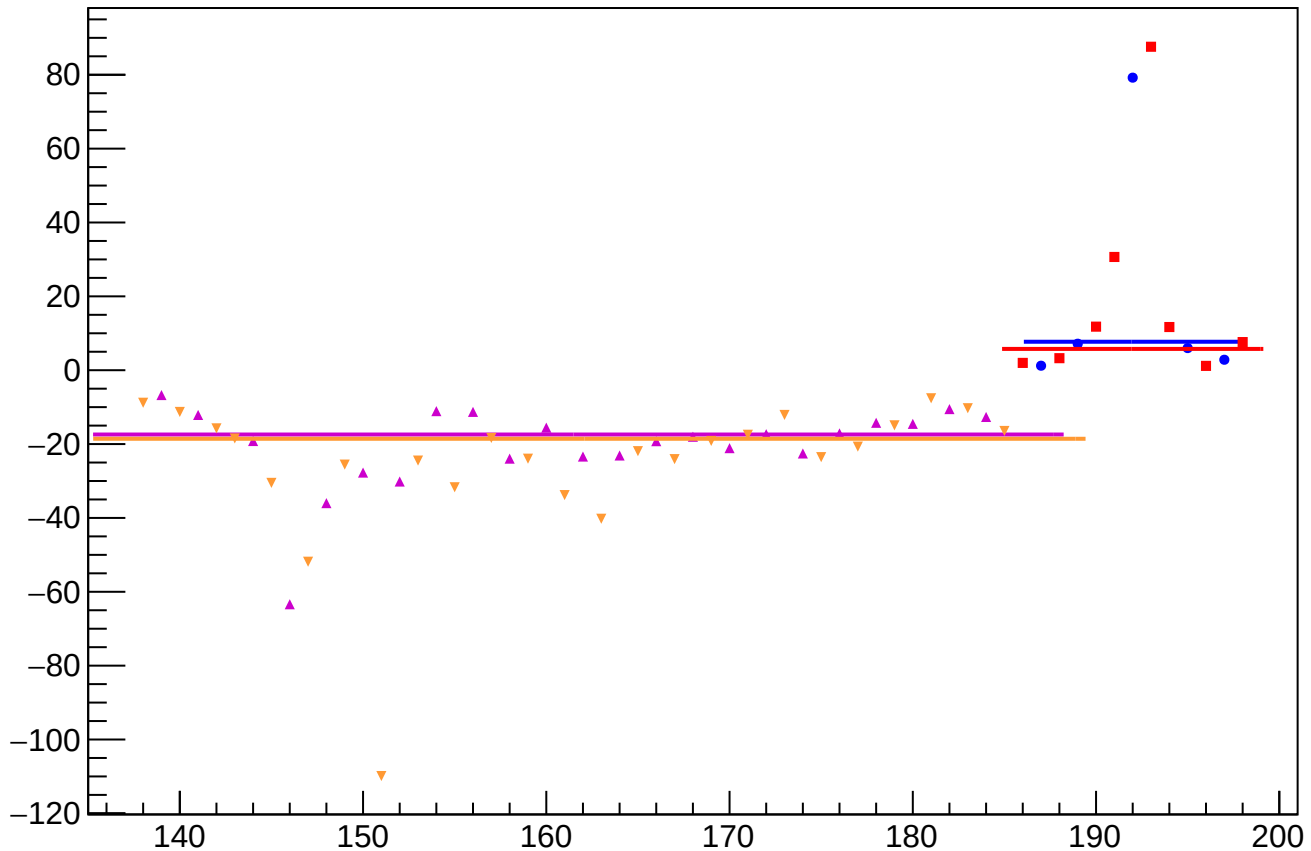
Left In: 0.090 ± 0.002 $\chi^2/\text{NDF}: 3676.5/22$

+ sign 0.147 ± 0.001 $\chi^2/\text{NDF}: 17247.0/46$

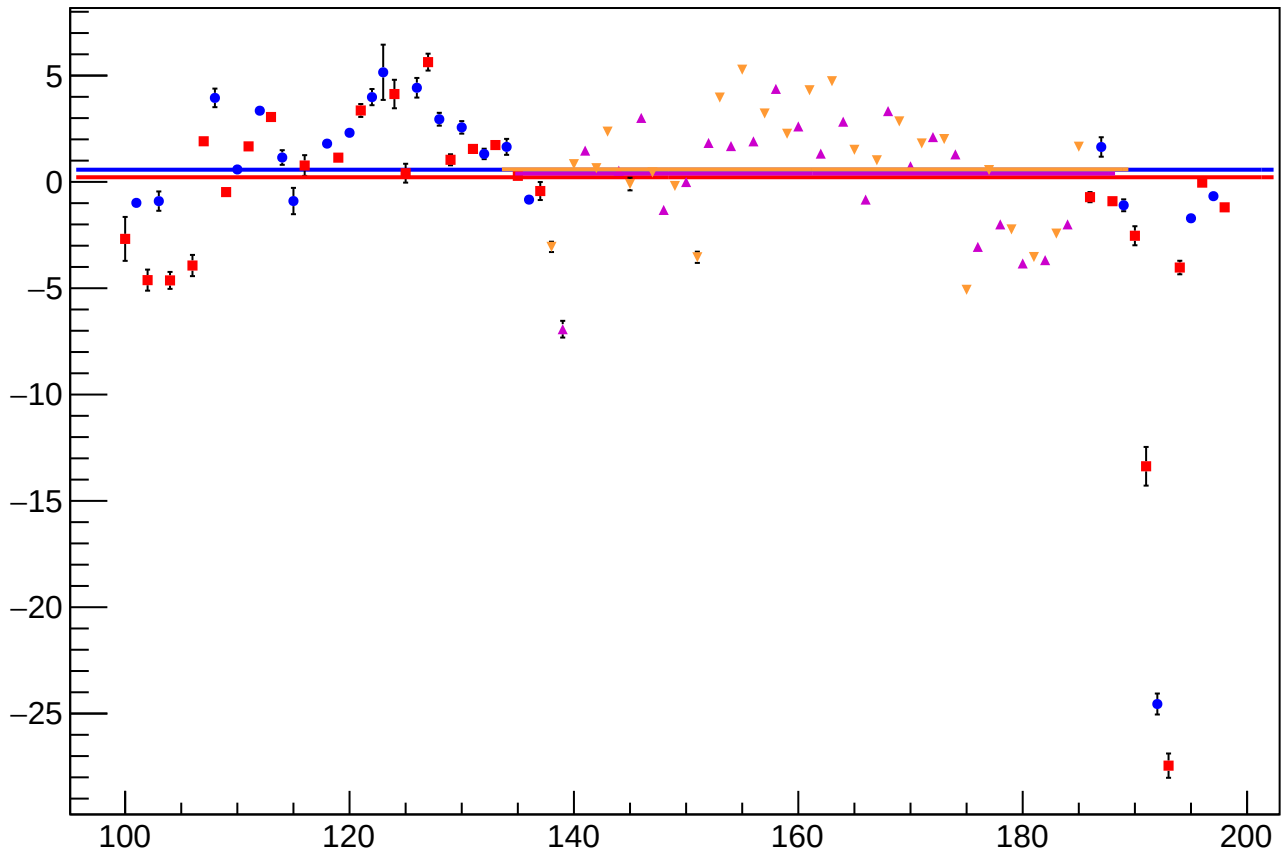
All: 0.136 ± 0.001 $\chi^2/\text{NDF}: 35052.3/96$

- sign 0.127 ± 0.001 $\chi^2/\text{NDF}: 17698.1/49$

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.573 ± 0.056 χ^2/NDF : 3584.0/21

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.218 ± 0.050 χ^2/NDF : 4024.4/26

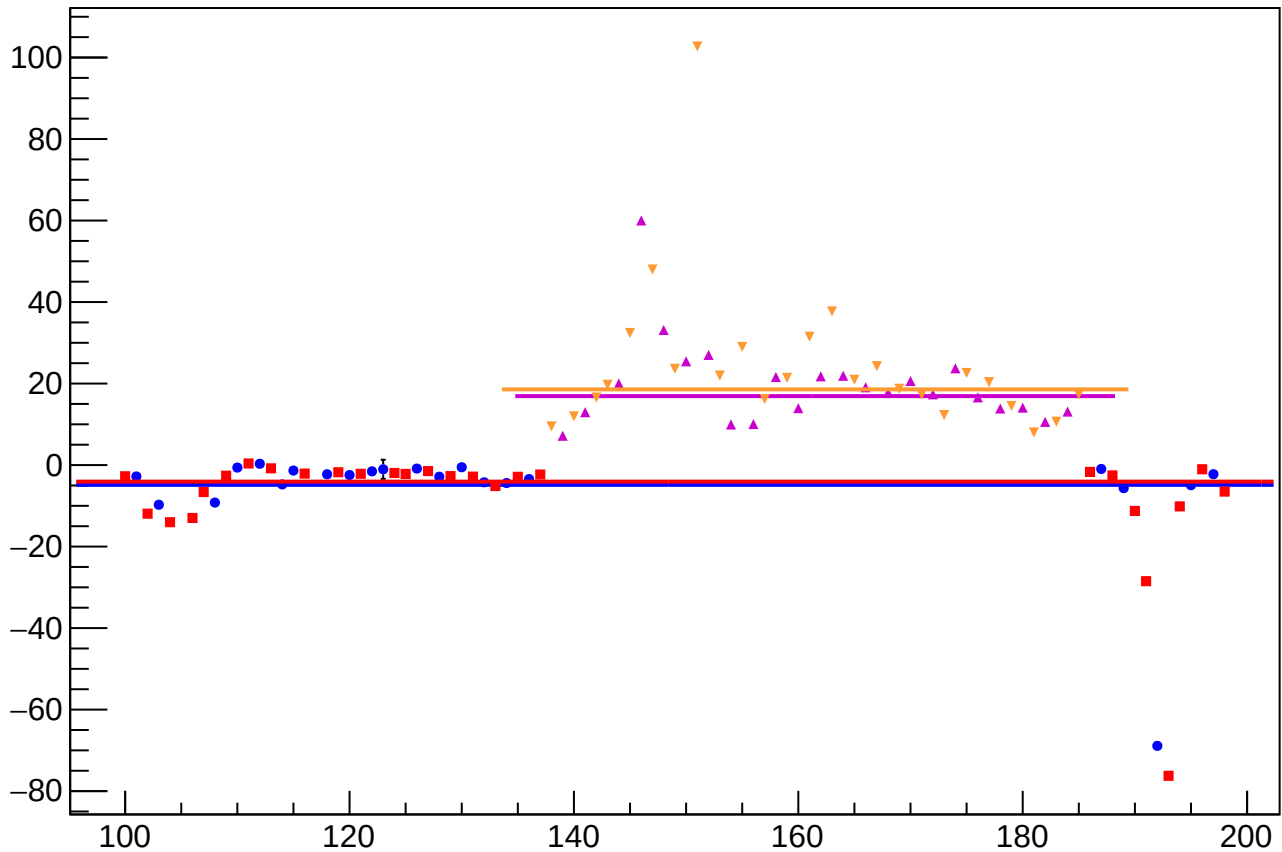
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.586 ± 0.029 χ^2/NDF : 10380.5/46

All: 0.458 ± 0.020 χ^2/NDF : 20511.4/96

- sign 0.344 ± 0.027 χ^2/NDF : 10092.8/49

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -4.847 ± 0.068 $\chi^2/\text{NDF}: 25071.0/21$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.062 ± 0.053 $\chi^2/\text{NDF}: 25606.3/26$

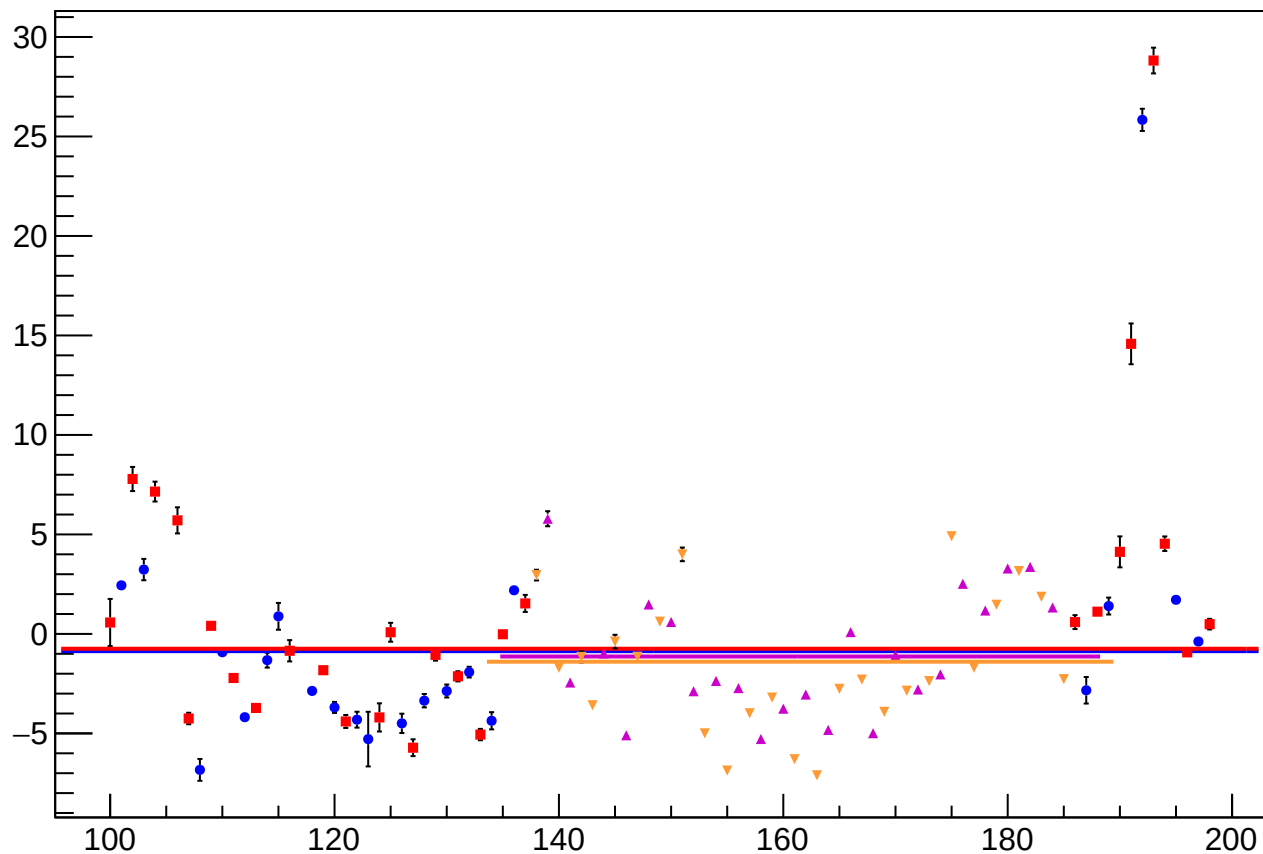
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 12.465 ± 0.035 $\chi^2/\text{NDF}: 189359.4/46$

All: 10.888 ± 0.023 $\chi^2/\text{NDF}: 360445.3/96$

- sign 9.592 ± 0.031 $\chi^2/\text{NDF}: 167307.2/49$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.866 ± 0.066 χ^2/NDF : 3758.4/21

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.745 ± 0.059 χ^2/NDF : 4267.4/26

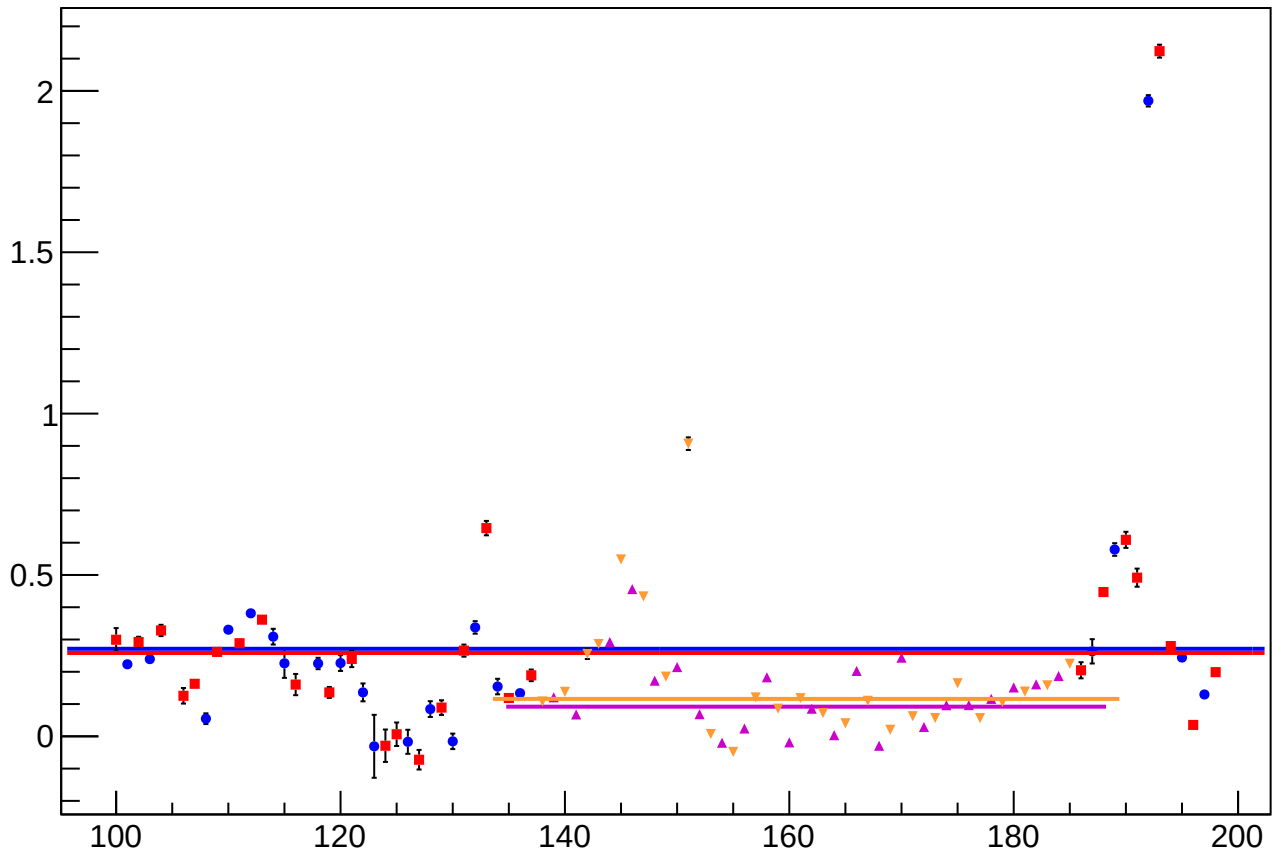
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.269 ± 0.032 χ^2/NDF : 11459.7/46

All: -1.144 ± 0.022 χ^2/NDF : 22385.1/96

- sign -1.033 ± 0.030 χ^2/NDF : 10897.0/49

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.271 ± 0.003 χ^2/NDF : 10713.5/21

Left Out: 0.116 ± 0.002 χ^2/NDF : 4463.0/24

Right Out: 0.258 ± 0.003 χ^2/NDF : 11059.5/26

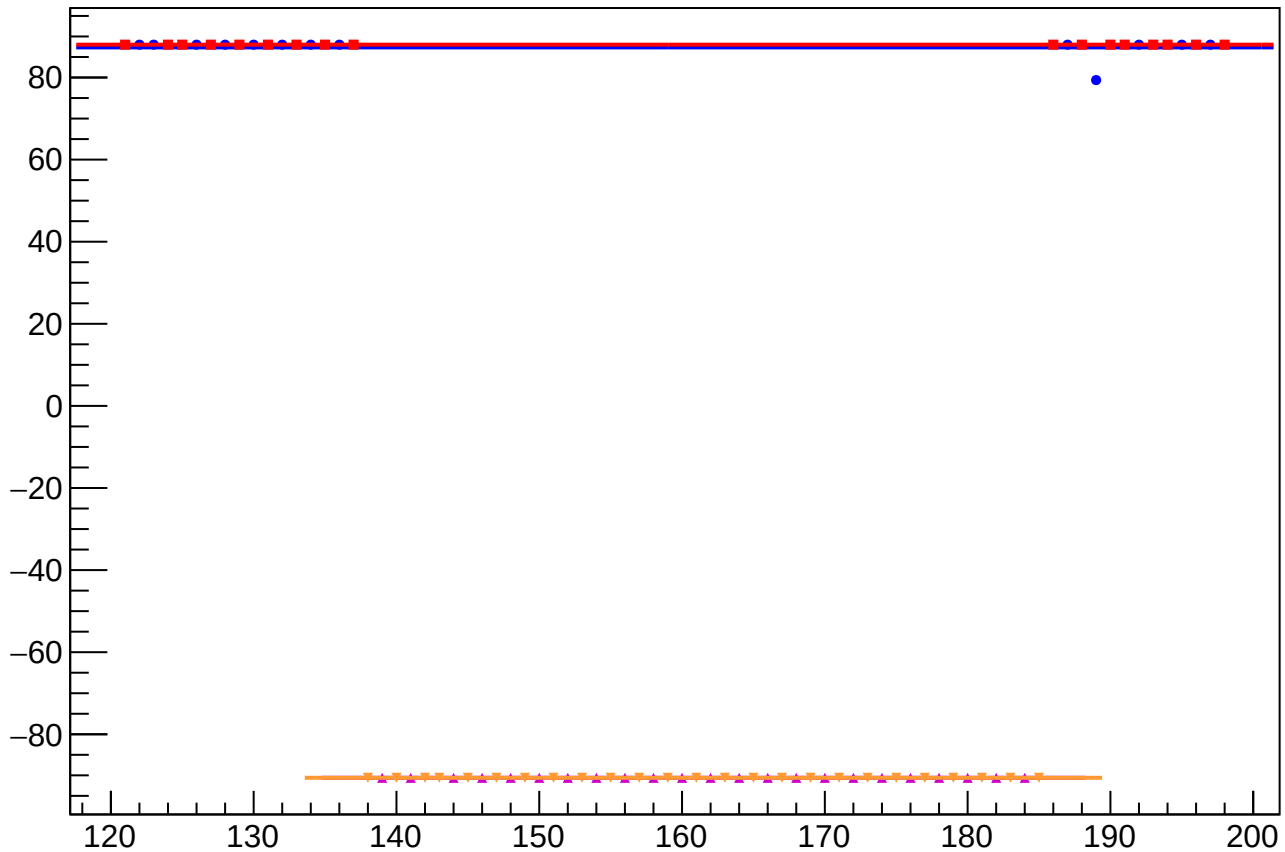
Left In: 0.092 ± 0.002 χ^2/NDF : 3631.4/22

+ sign 0.148 ± 0.001 χ^2/NDF : 17011.1/46

All: 0.138 ± 0.001 χ^2/NDF : 34390.2/96

- sign 0.130 ± 0.001 χ^2/NDF : 17292.9/49

VWienAngle_mean vs Slug



Right In: 87.336+/-0.000 χ^2/NDF : 3503687290113232830043130383302656.0/12

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 591910.7/16

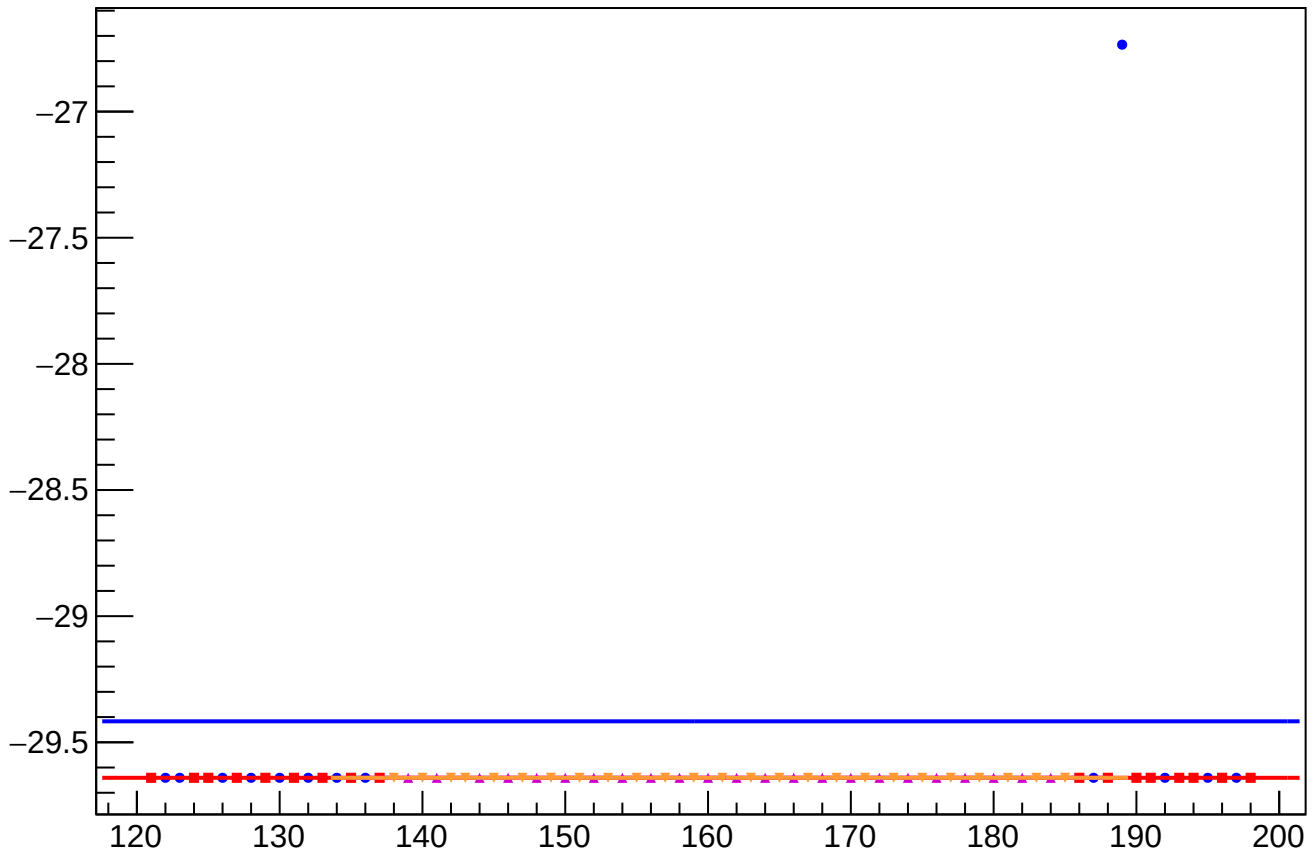
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -44.801+/-0.000 χ^2/NDF : 155683496778041

All: -39.274+/-0.000 χ^2/NDF : 340570425645

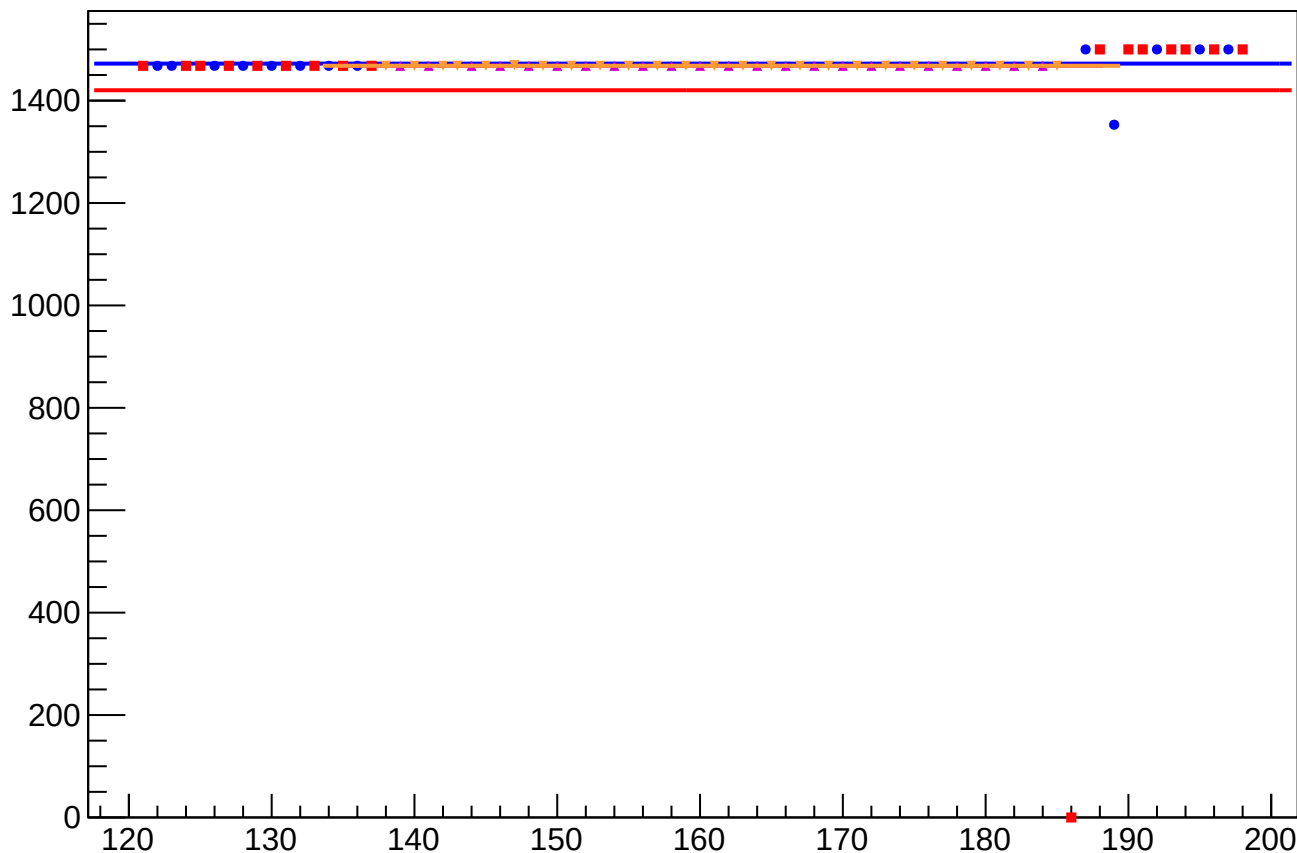
- sign -33.916+/-0.000 χ^2/NDF : 1833395668357329

HWienAngle_mean vs Slug



Right In: -29.417 $\pm$ 0.000 χ^2 /NDF: 397493523151627671726007823368192.0/12
 Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 654199.2/24 + sign -29.583 $\pm$ 0.000 χ^2 /NDF: 422132429420441
 Right Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 1159234.3/16 All: -29.612 $\pm$ 0.000 χ^2 /NDF: 426468506590
 Left In: -29.641 $\pm$ 0.000 χ^2 /NDF: 511825.6/22 - sign -29.641 $\pm$ 0.000 χ^2 /NDF: 2201174.4/39

psub_pl_pos_mean vs Slug



Right In: 1472.274+/-0.000 χ^2/NDF : 941606876977932272704673896279834624.0/12

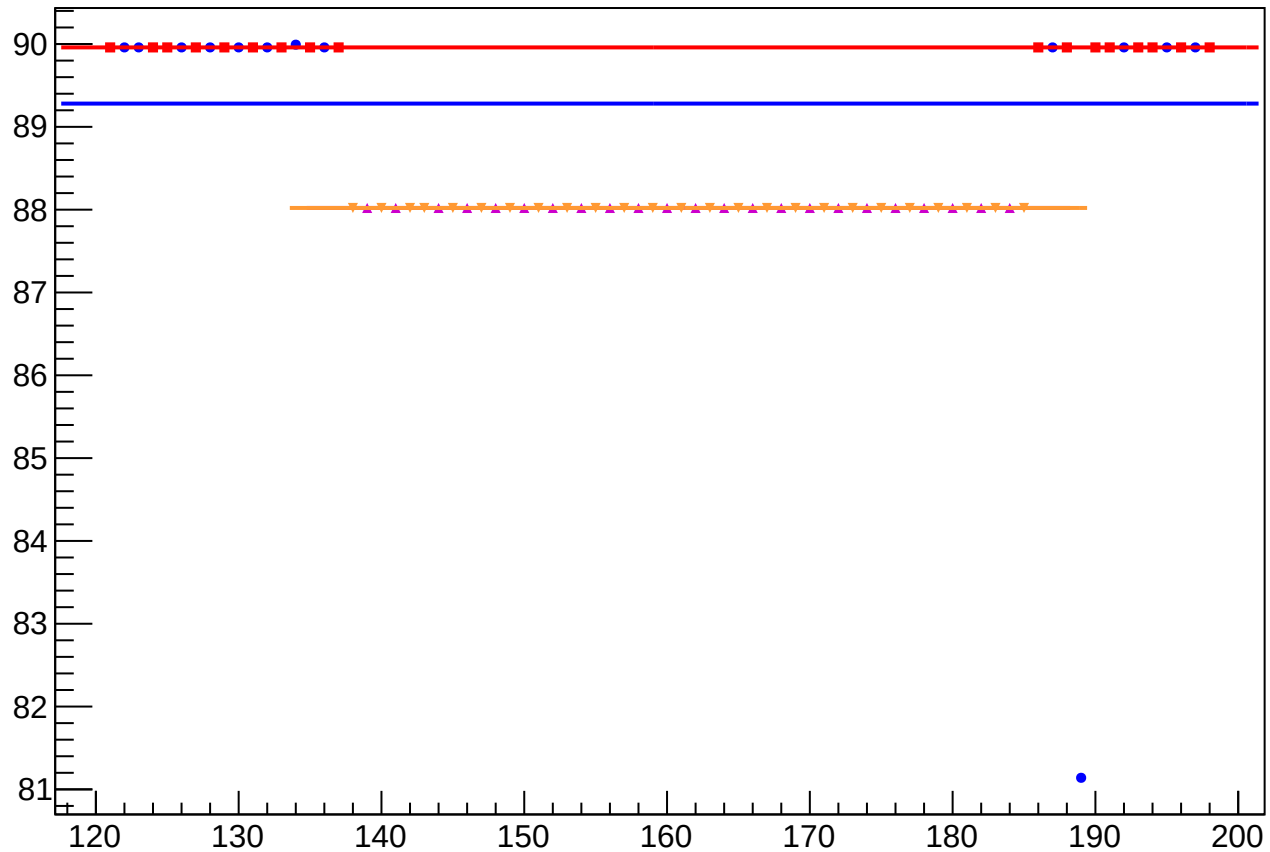
Left Out: 1468.048+/-0.000 χ^2 /NDF:127960980922965975039069502046208.0/24

Right Out: 1420.250+/-0.000 χ^2/NDF : 80468728696404475289091073669672730624.0/16

Left In: 1467.994 $\pm$ 0.000 χ^2 /NDF:145848702340275035310993178624.0/22

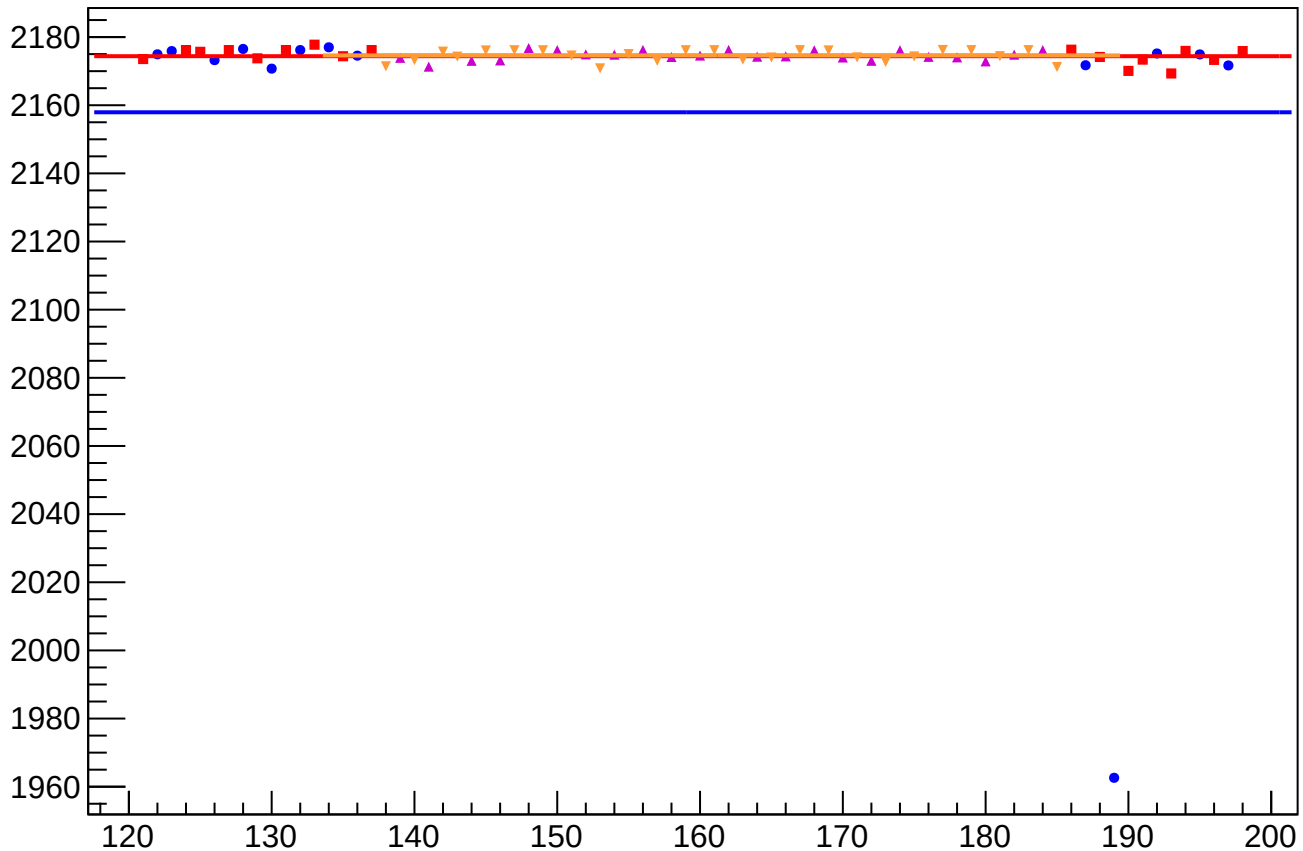
Left In: 1467.994+/-0.000 χ^2/NDF :145848702340275035310993178624.0/22

Phi_FG_mean vs Slug



Right In: 89.281+/-0.000 χ^2/NDF : 3662348305424045289439749442895872.0/12
 Left Out: 88.021+/-0.000 χ^2/NDF : 5326388.8/24 + sign 88.345+/-0.000 χ^2/NDF : 4443064724691681
 Right Out: 89.959+/-0.000 χ^2/NDF : 2654611.6/16 All: 88.493+/-0.000 χ^2/NDF : 6713647499789
 Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22 - sign 88.636+/-0.000 χ^2/NDF : 2160065439271400

HALLA_p_mean vs Slug



Right In: 2157.931+/-0.000 χ^2/NDF : 2110014887060221990138687416296275968.0/12

Left Out: 2174.622+/-0.000 χ^2/NDF : 5110578135476093110874911595823104.0/24

Right Out: 2174.391+/-0.000 χ^2/NDF : 4219419376483288334327743529353216.0/16

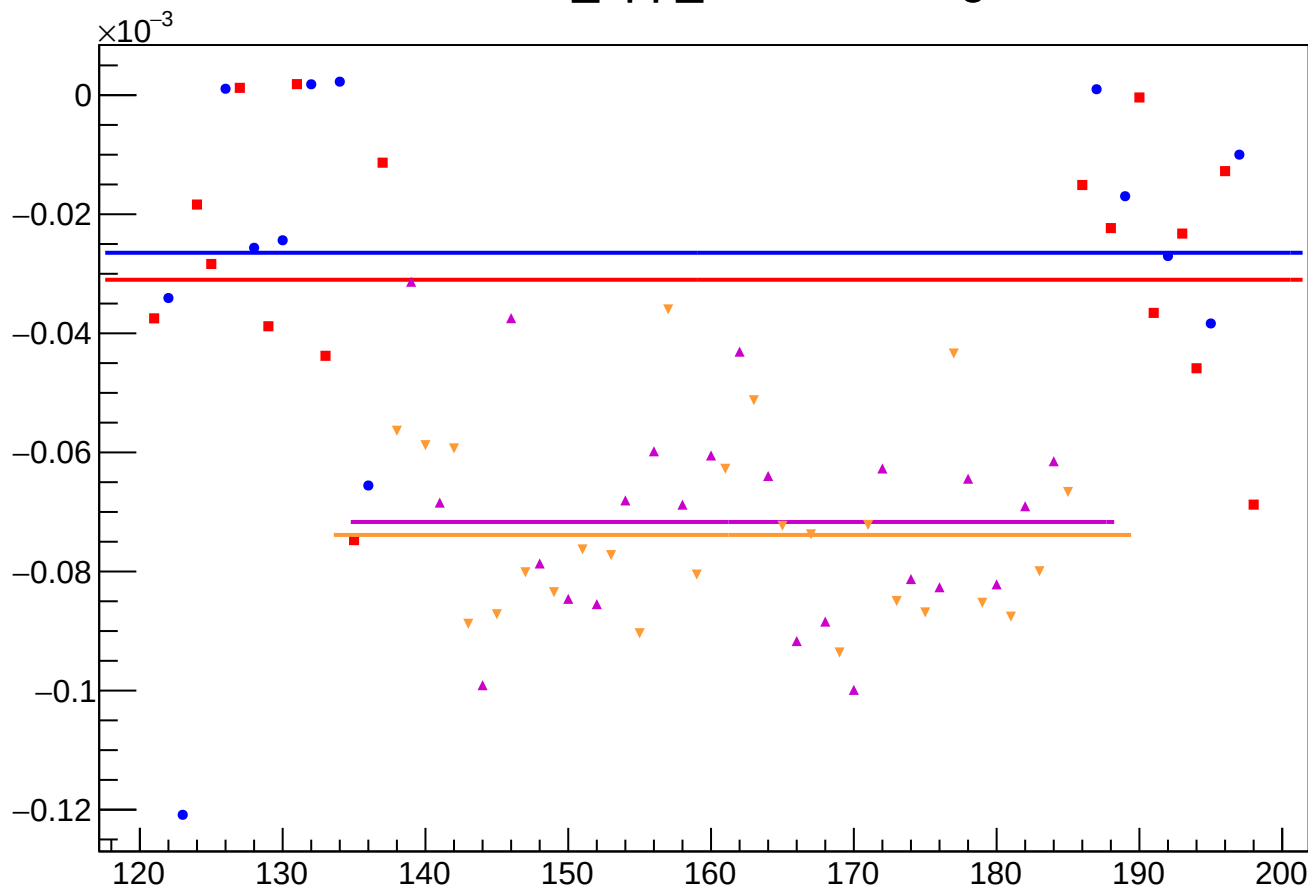
Left In: 2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2170.326+/-0.000 χ^2/NDF : 22520785488743

All: 2172.441+/-0.000 χ^2/NDF : 22823763593

- sign 2174.492+/-0.000 χ^2/NDF : 76327546347581

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000

χ^2/NDF : 302447619647654890307584.0/12

+ sign -0.000+/-0.000

χ^2/NDF : 1856873341061180

Left Out: -0.000+/-0.000

χ^2/NDF : 450400934180541069000704.0/24

All: -0.000+/-0.000

χ^2/NDF : 3801344571470

Right Out: -0.000+/-0.000

χ^2/NDF : 420340607860782078623744.0/16

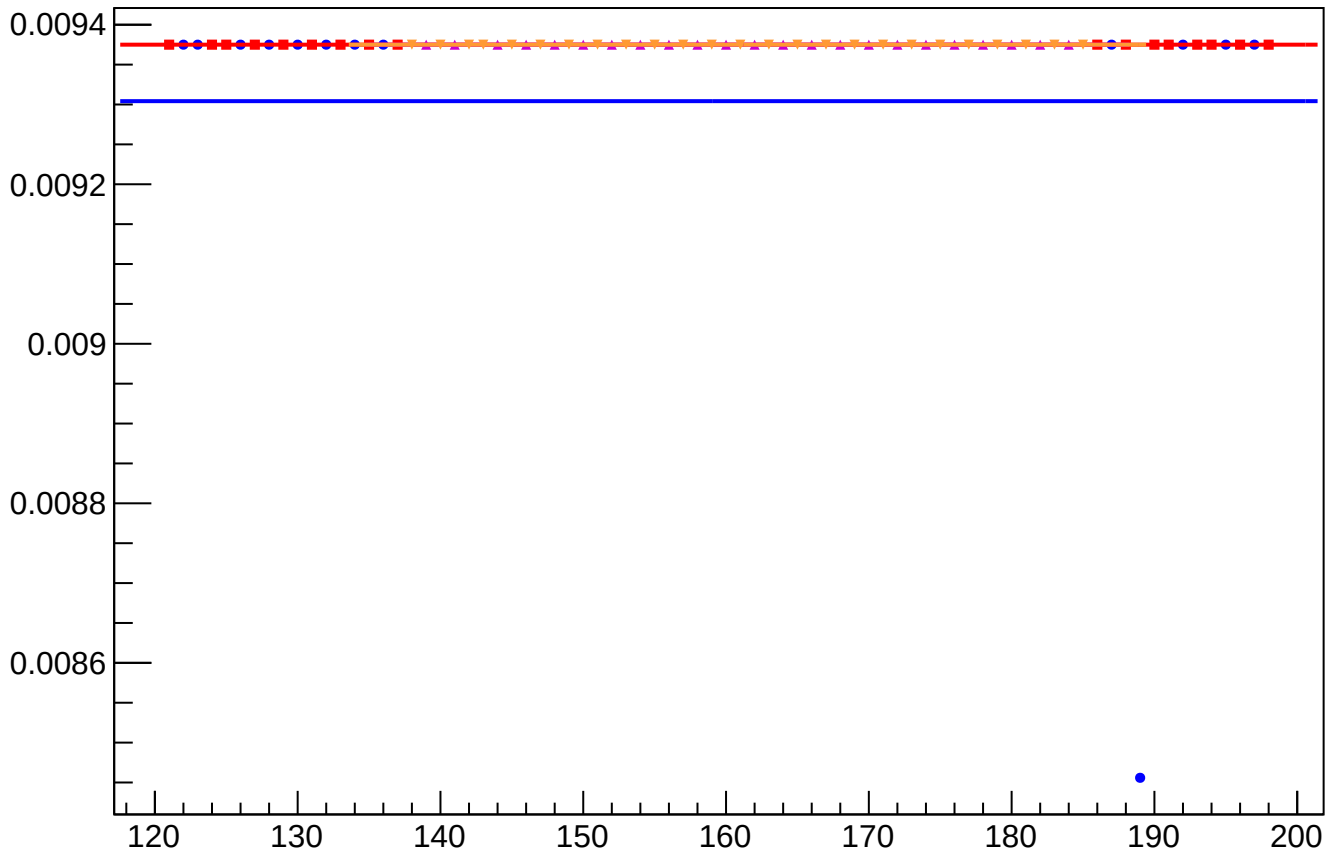
- sign -0.000+/-0.000

χ^2/NDF : 19335646284522598

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 : 39764507341833249761525760.0/12

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/16

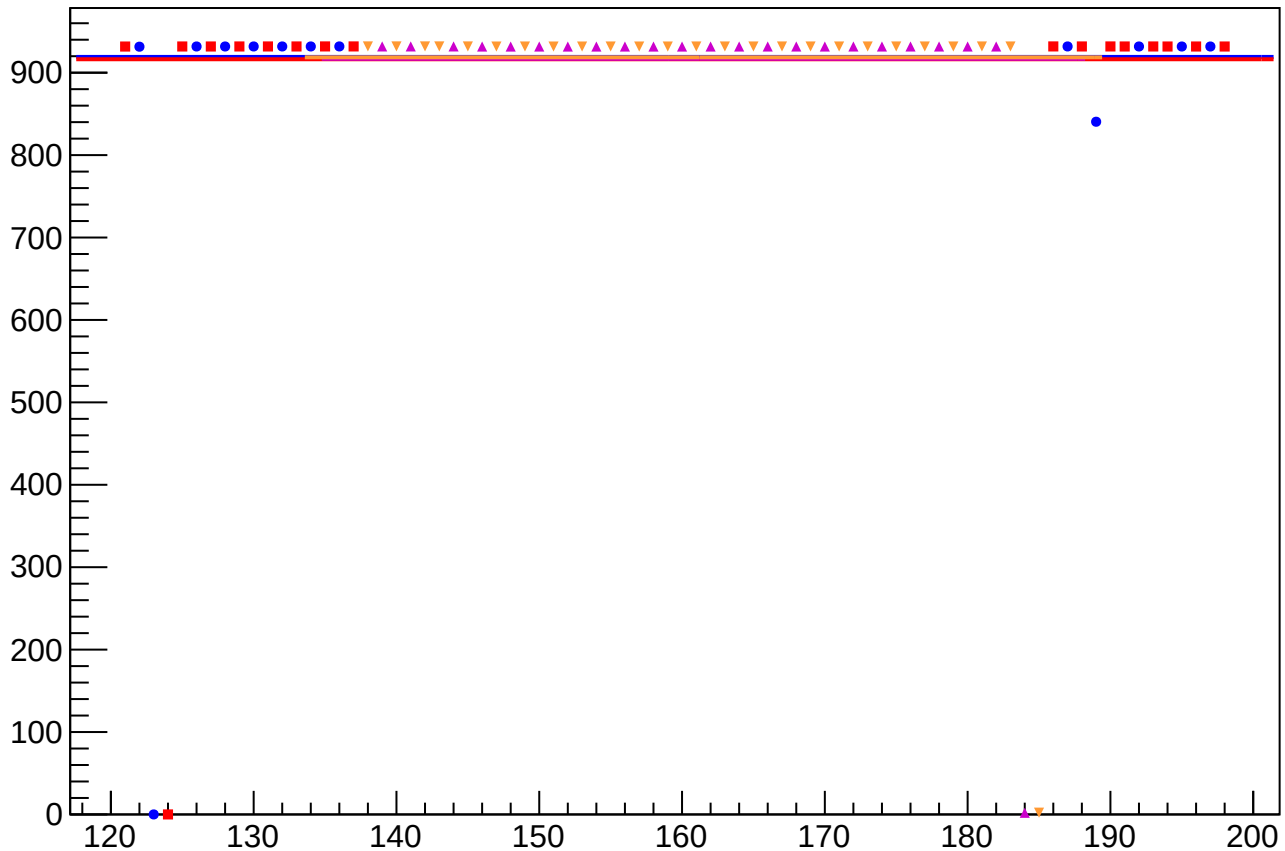
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42229337363346159

All: 0.009+/-0.000 χ^2/NDF : 42663110399663

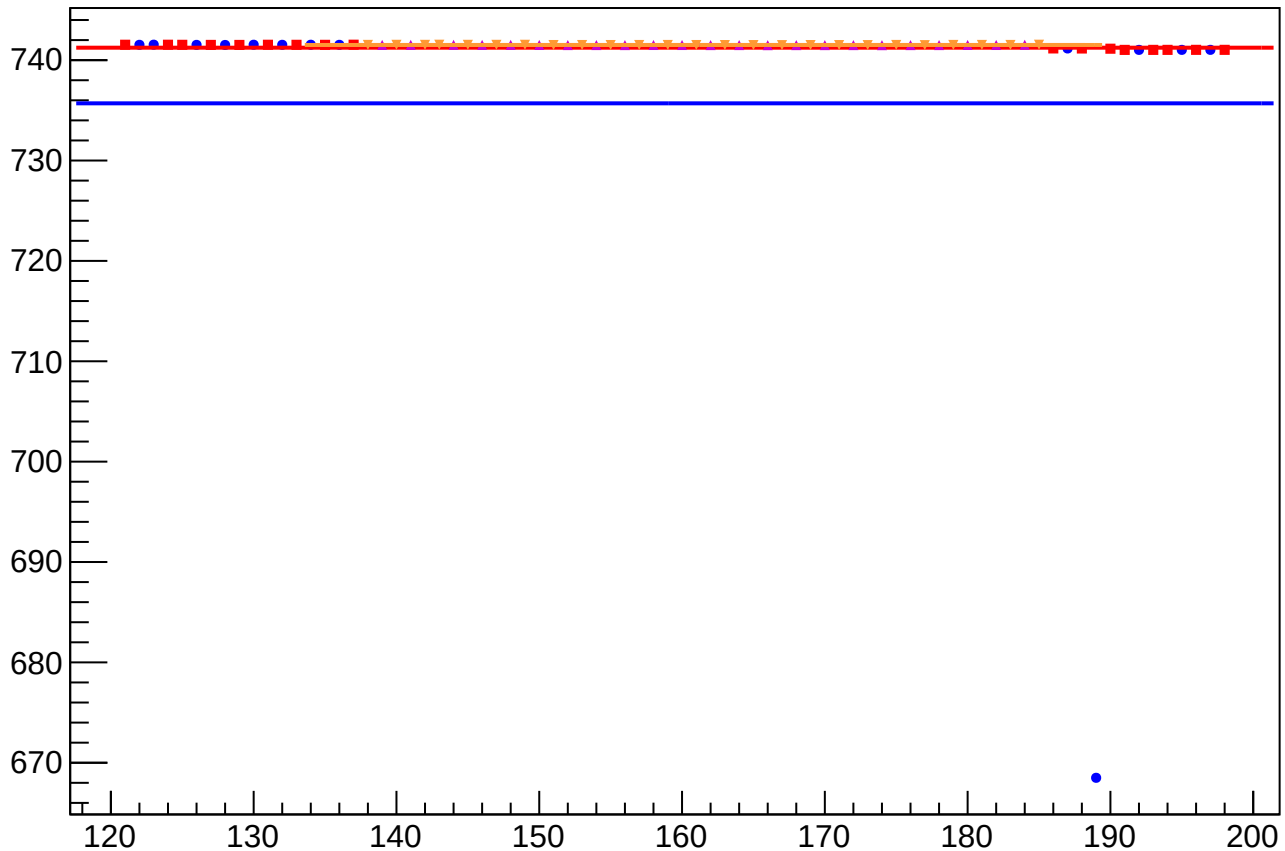
- sign 0.009+/-0.000 χ^2/NDF : 0.2/39

HacL_Q2_HP3458A_IOUT_mean vs Slug



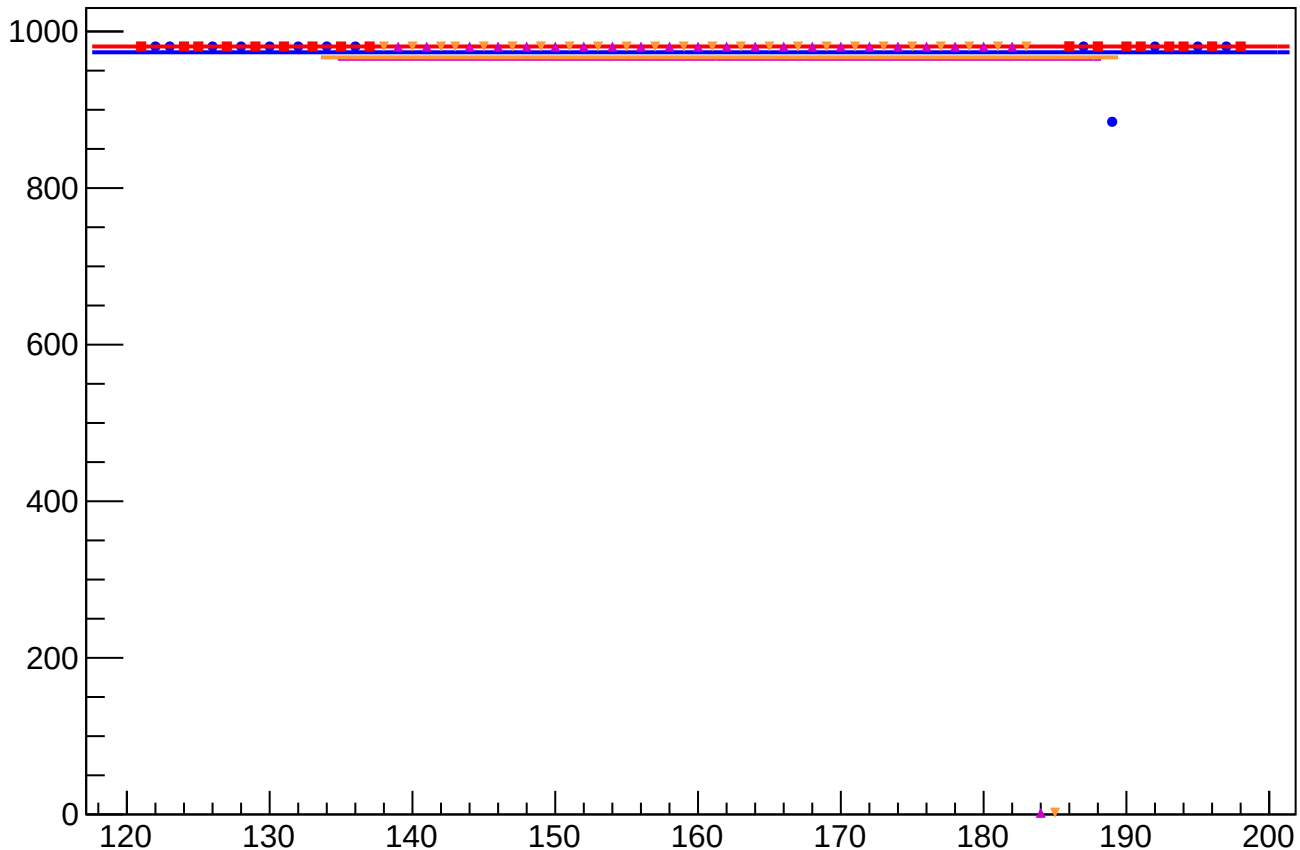
Right In: 919.127+/-0.000 χ^2/NDF : 3791651103304374580367909158729547776.0/12
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 916.316+/-0.000 χ^2/NDF : 11952804178493698952411340353008828416.0/16
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22
 All: 917.722+/-0.000 χ^2/NDF : 634217015203
 + sign 918.769+/-0.000 χ^2/NDF : 267952641419619
 - sign 916.707+/-0.000 χ^2/NDF : 366208886271345

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 735.699+/-0.000 χ^2/NDF : 249555998538674626614118291152568320.0/12
 Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24
 Right Out: 741.242+/-0.000 χ^2/NDF : 43721401327818391562583806050304.0/16
 Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22
 All: 740.732+/-0.000 χ^2/NDF : 268856137783.0/24
 + sign 740.016+/-0.000 χ^2/NDF : 266173467574056.0/12
 - sign 741.427+/-0.000 χ^2/NDF : 858643800665364.0/12

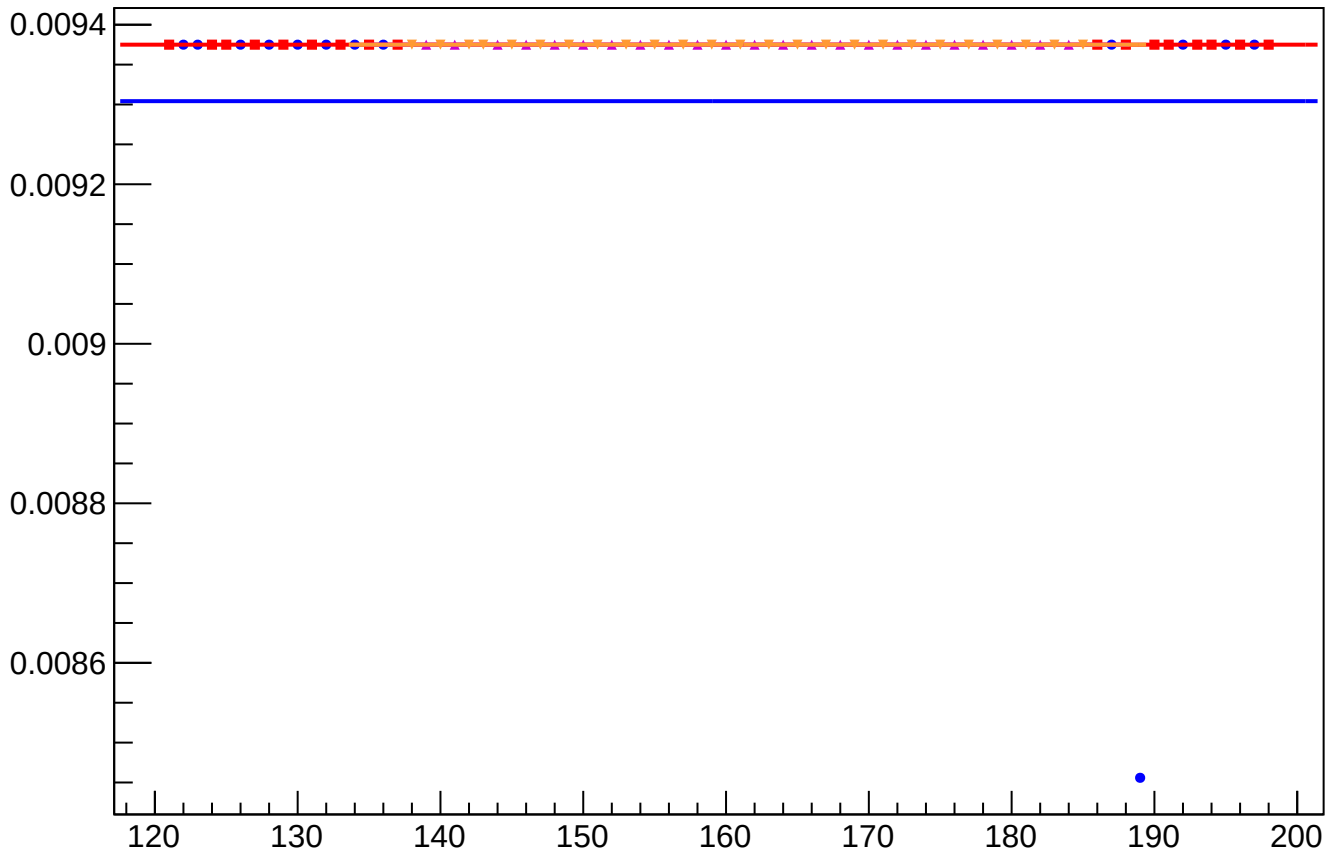
HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 973.414+/-0.000 χ^2/NDF : 435470248219584920376884692749647872.0/12
Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24
Right Out: 980.836+/-0.000 χ^2/NDF : 2724597511547742902541334085632.0/16
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 968.603+/-0.000 χ^2/NDF : 259416788820746
All: 969.361+/-0.000 χ^2/NDF : 53417194745
- sign 970.096+/-0.000 χ^2/NDF : 274726075428402

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 39764507341833249761525760.0/12

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/16

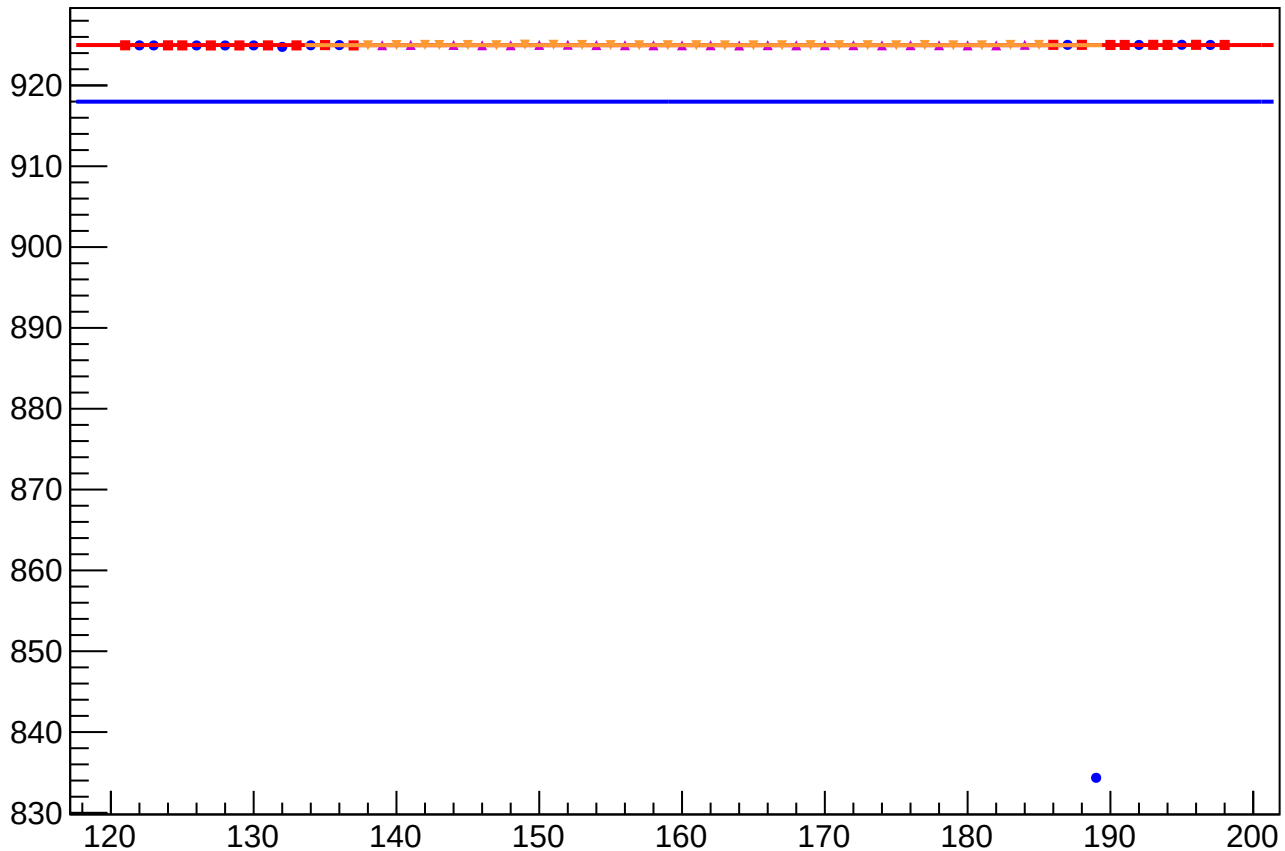
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42229337363346159

All: 0.009+/-0.000 χ^2/NDF : 42663110399663

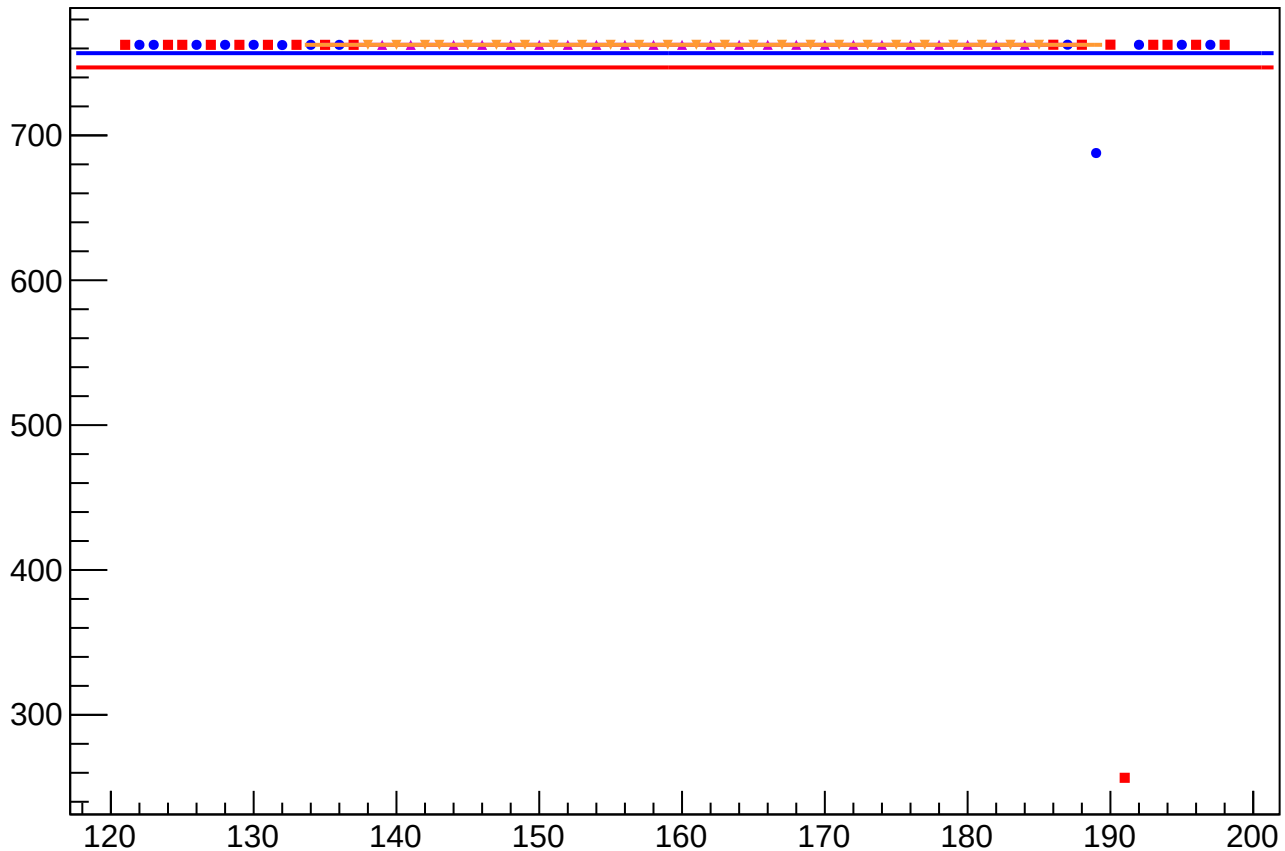
- sign 0.009+/-0.000 χ^2/NDF : 0.2/39

HacR_Q2_HP3458A_IOUT_mean vs Slug



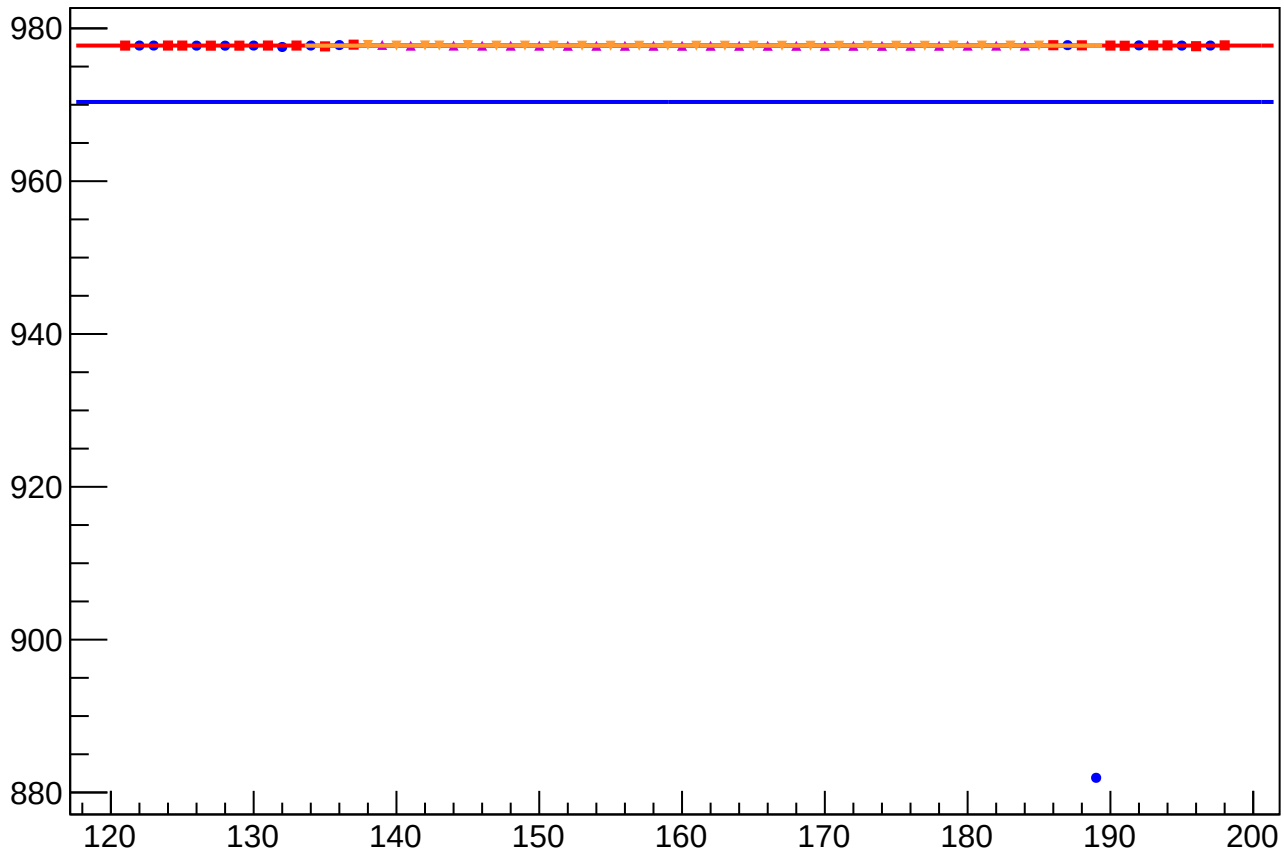
Right In: 917.991+/-0.000 χ^2/NDF : 386653922731972580928616940366200832.0/12
Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
Right Out: 924.994+/-0.000 χ^2/NDF : 770088727856434159191096033280.0/16
Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22
+ sign 923.183+/-0.000 χ^2/NDF : 410686665701011
All: 924.099+/-0.000 χ^2/NDF : 41493499183
- sign 924.986+/-0.000 χ^2/NDF : 172459882993076

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 756.751+/-0.000 χ^2/NDF : 262614711998814251489052968808873984.0/12
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 746.905+/-0.000 χ^2/NDF : 6450828659158880492406919905171996672.0/16
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 759.272+/-0.000 χ^2/NDF : 688564498010
 + sign 761.034+/-0.000 χ^2/NDF : 278969538352088
 - sign 757.564+/-0.000 χ^2/NDF : 659094951939763

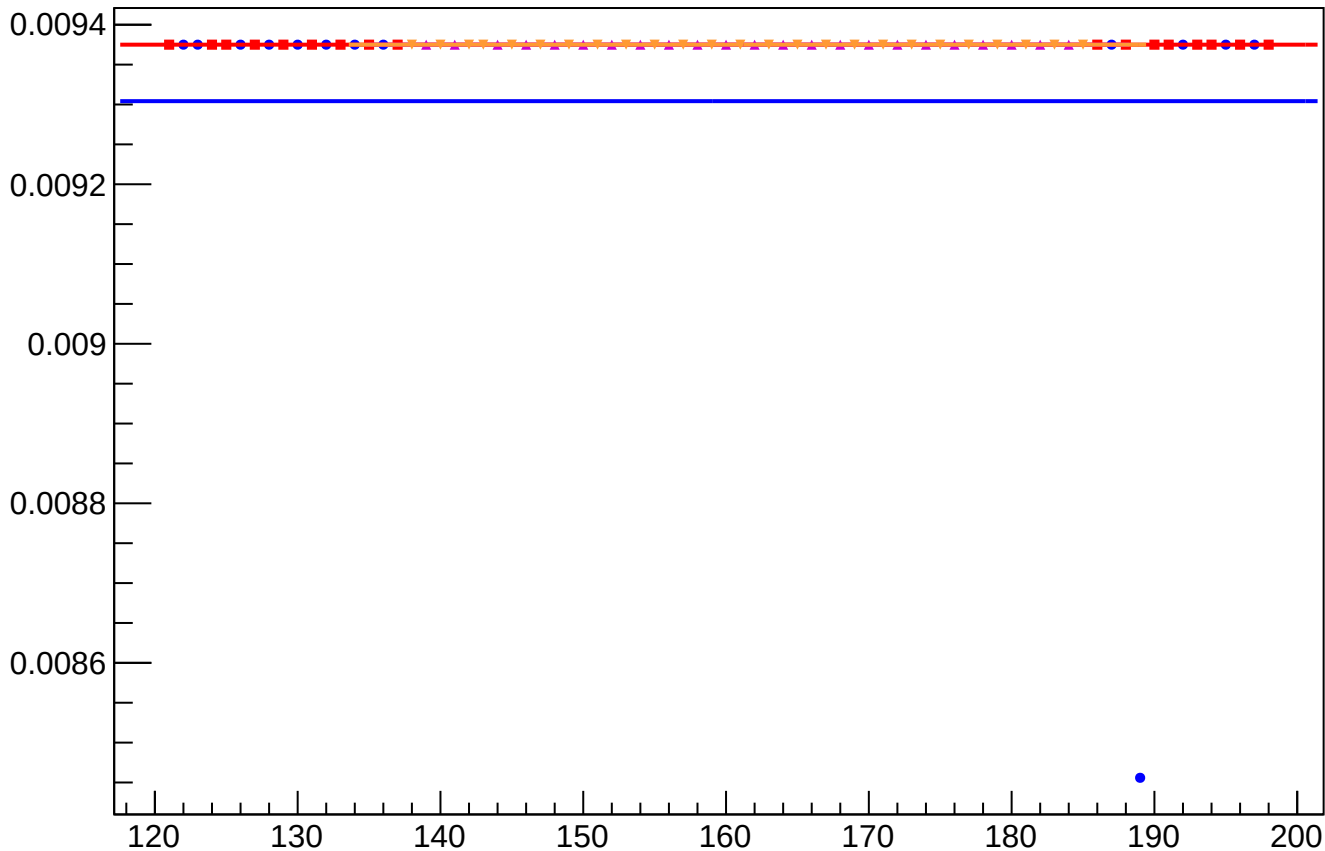
HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 970.367+/-0.000 χ^2/NDF : 432270508780676184899142733583613952.0/12
Left Out: 977.738+/-0.000 χ^2/NDF : 1154150409979077132991401558016.0/24
Right Out: 977.749+/-0.000 χ^2/NDF : 1714419588066728952551155171328.0/16
Left In: 977.735+/-0.000 χ^2/NDF : 976503887937607318263199432704.0/22

+ sign 975.841+/-0.000 χ^2/NDF : 458980332789087
All: 976.805+/-0.000 χ^2/NDF : 463691069295
- sign 977.739+/-0.000 χ^2/NDF : 280258569598178

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 39764507341833249761525760.0/12

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/16

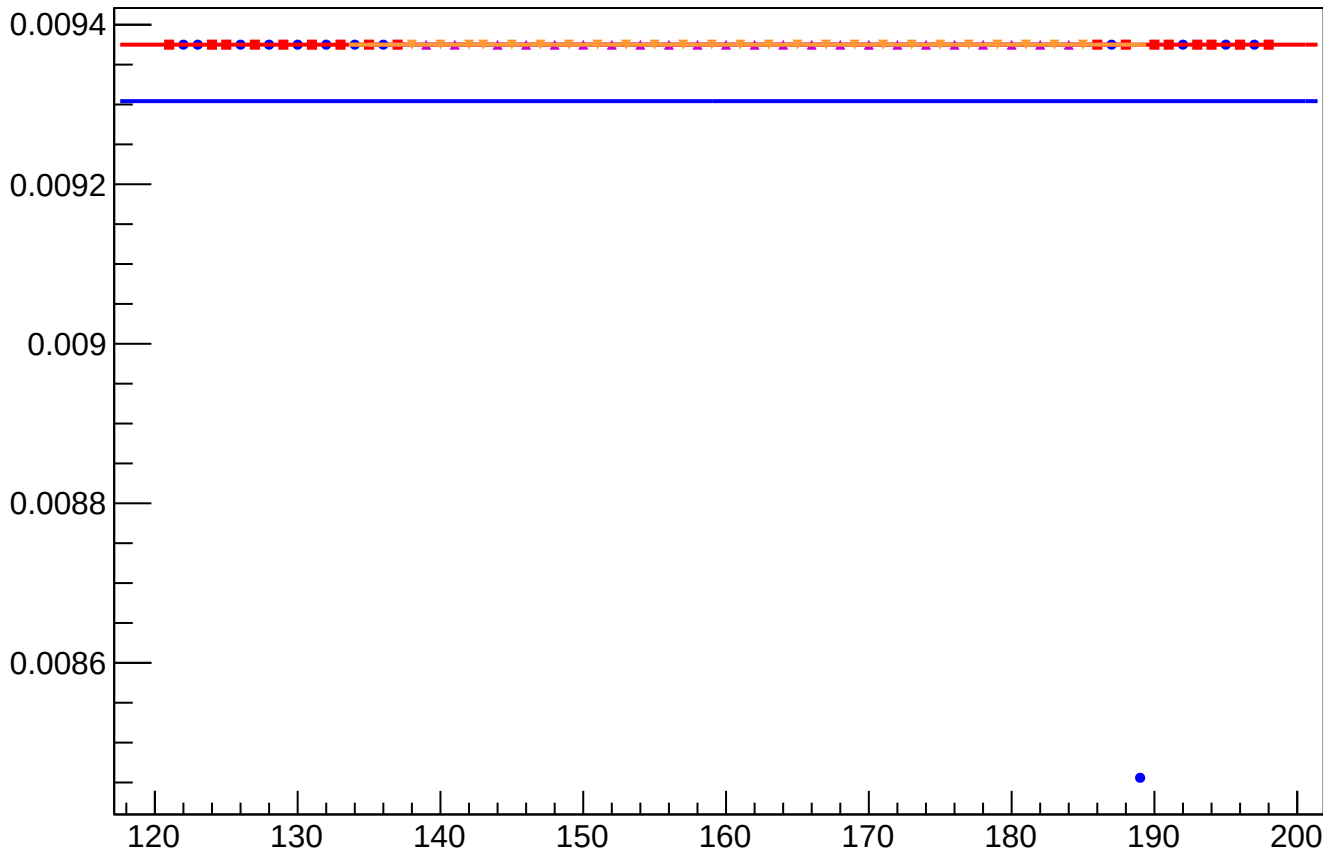
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42229337363346159

All: 0.009+/-0.000 χ^2/NDF : 42663110399663

- sign 0.009+/-0.000 χ^2/NDF : 0.2/39

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 39764507341833249761525760.0/12

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/16

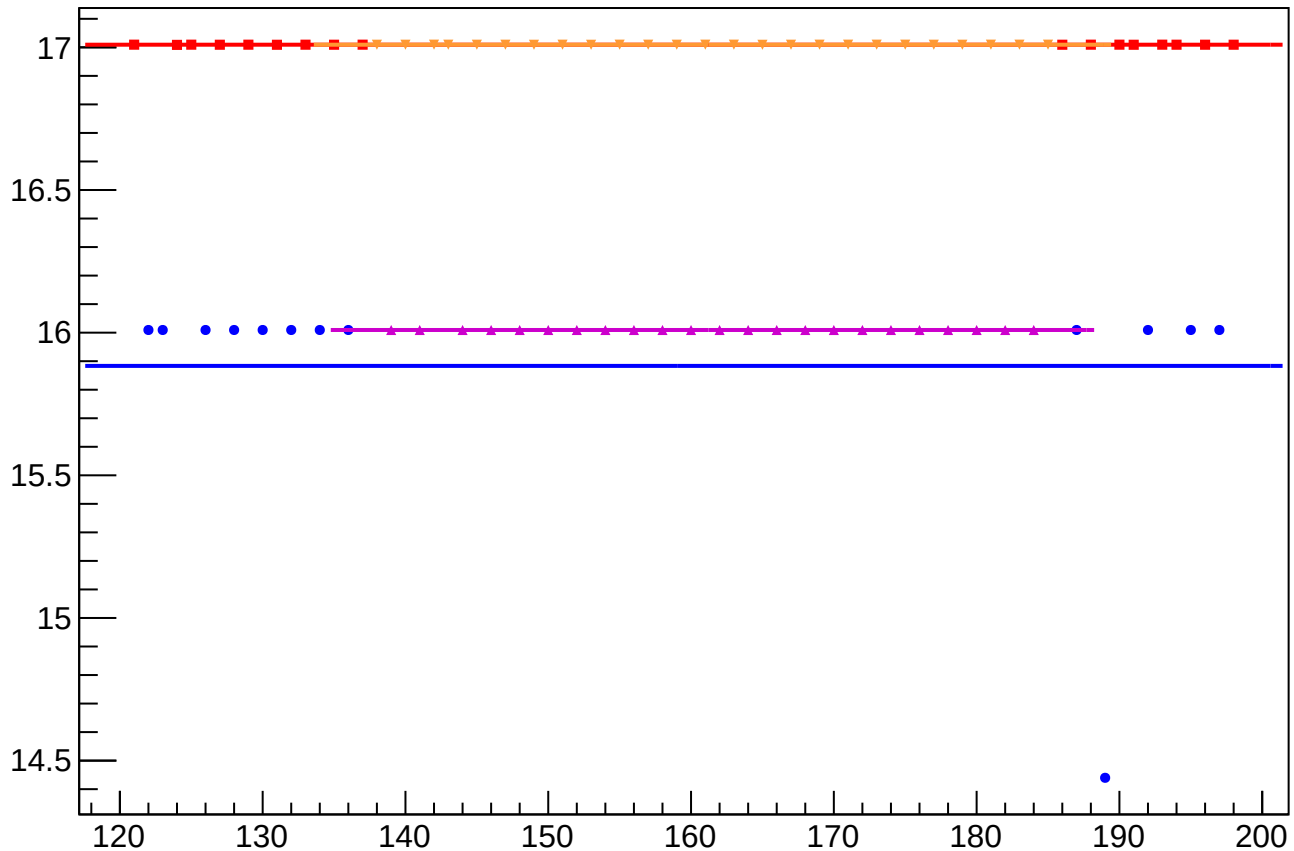
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42229337363346159

All: 0.009+/-0.000 χ^2/NDF : 42663110399663

- sign 0.009+/-0.000 χ^2/NDF : 0.2/39

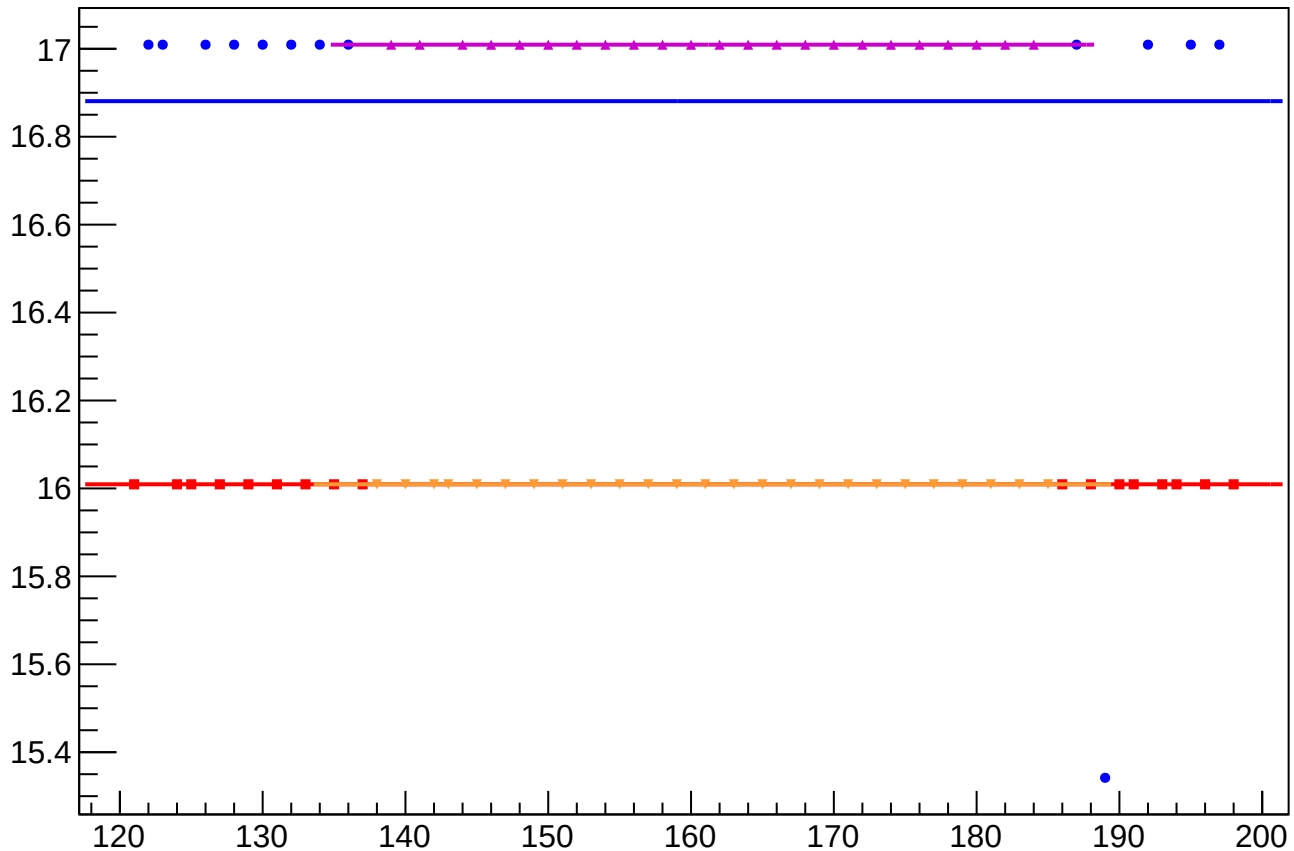
IGL1I00DI24_24M_mean vs Slug



Right In: 15.884 $\pm$ 0.000 χ^2 /NDF: 115562608996188066045380639326208.0/12
 Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26284444608576238643052544.0/24
 Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12551226910925336908660736.0/16
 Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127973174512756677672960.0/22

+ sign 16.712 $\pm$ 0.000 χ^2 /NDF: 7089560506654051
 All: 16.522 $\pm$ 0.000 χ^2 /NDF: 1434653437299
 - sign 16.339 $\pm$ 0.000 χ^2 /NDF: 5539469541377932

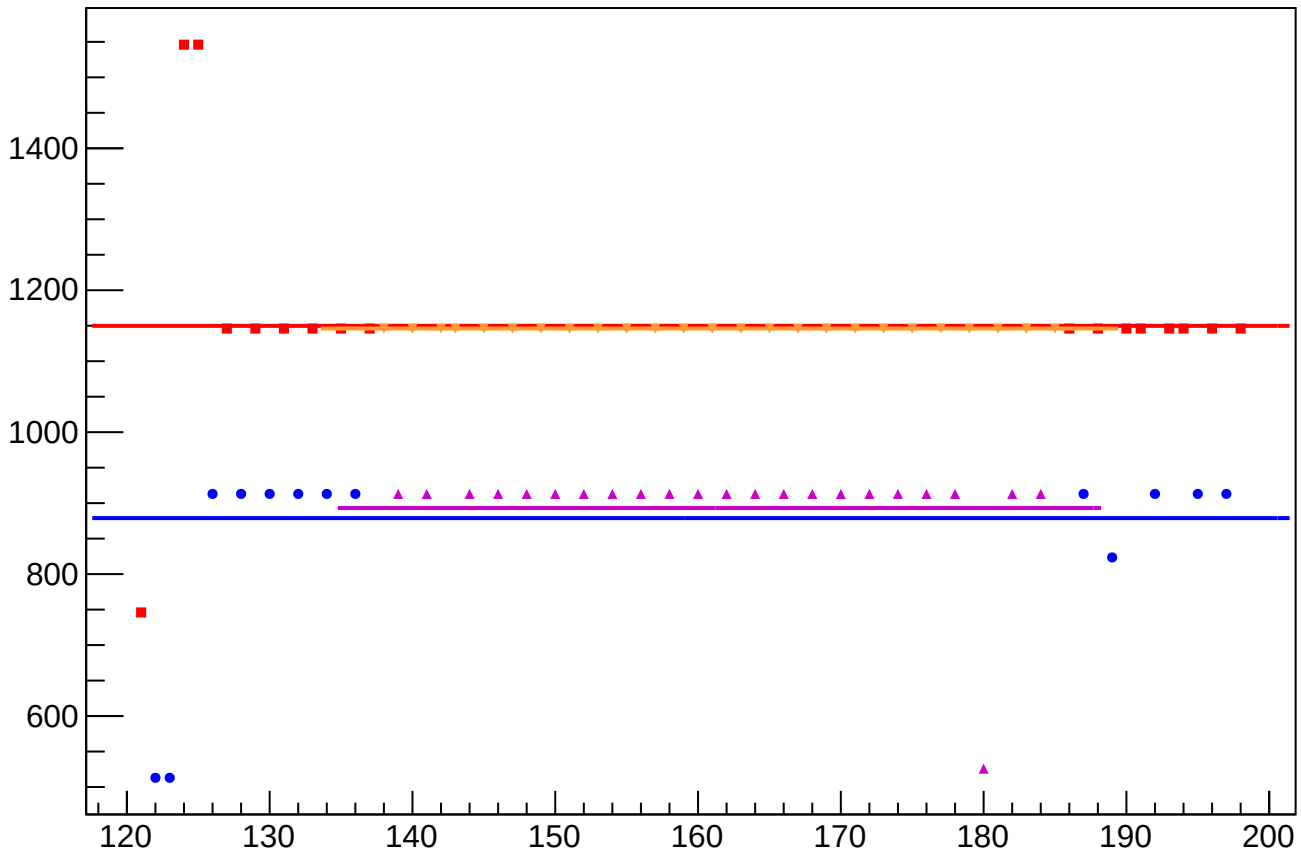
IGL1I00OD16_16_mean vs Slug



Right In: 16.881+/-0.000 χ^2/NDF : 130897021763498746106506886774784.0/12
 Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24
 Right Out: 16.009+/-0.000 χ^2/NDF : 196584.1/16
 Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

+ sign 16.236+/-0.000 χ^2/NDF : 5030875659326840
 All: 16.464+/-0.000 χ^2/NDF : 1335057579246
 - sign 16.687+/-0.000 χ^2/NDF : 5701559577471515

RTPAPOSUCNT_mean vs Slug



Right In: 878.908+/-0.000 χ^2/NDF : 6839507457362453617205527362289008640.0/12

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

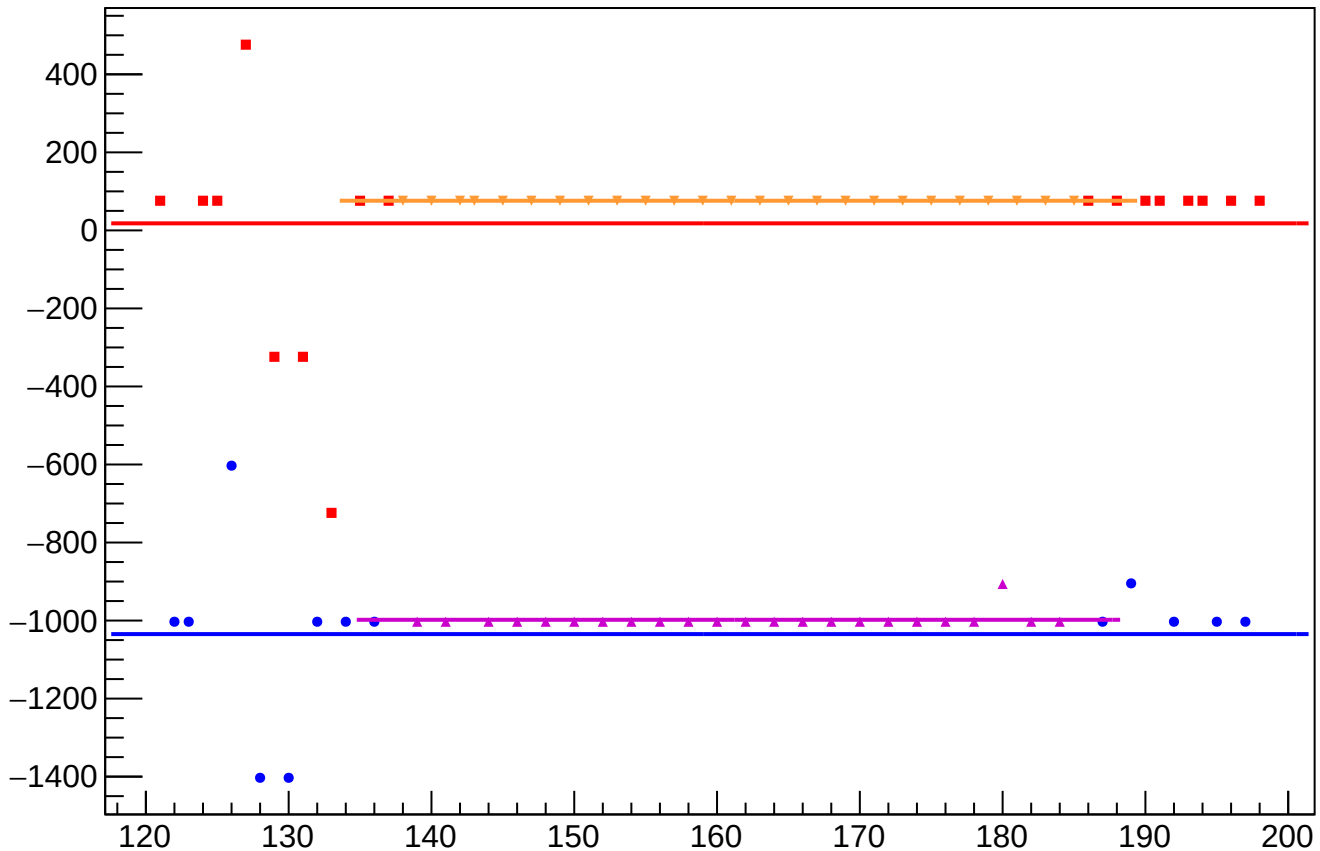
Right Out: 1149.810+/-0.000 χ^2/NDF : 13748505263405370759247925289144025088.0/16

Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

All: 1025.128+/-0.000 χ^2/NDF : 12052186173

- sign 974.585+/-0.000 χ^2/NDF : 648408794623775

RTPAPOSVCNT_mean vs Slug



Right In: -1034.689+/-0.000 χ^2/NDF : 23027557478428664151266249632135512064.0/12

Left Out: 76.011+/-0.000 χ^2/NDF : 11003263624957134120836661248.0/24 + sign -209.869+/-0.000 χ^2/NDF : 62950399007776

Right Out: 18.053+/-0.000 χ^2/NDF : 44211382504876243542780007001058443264.0/16 All: -446.315+/-0.000 χ^2/NDF : 15511300077

Left In: -998.020+/-0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22 - sign -675.542+/-0.000 χ^2/NDF : 638431506183420