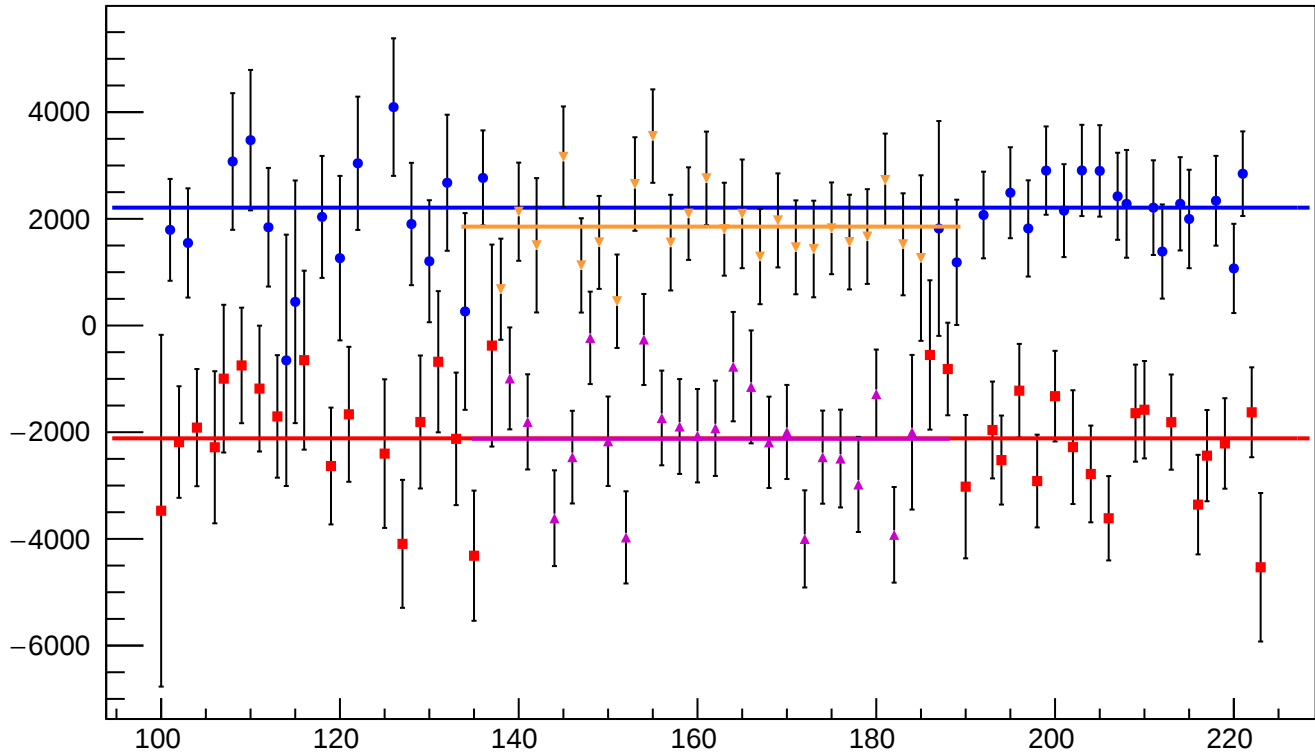


reg_asym_us_avg_mean vs Slug



Right In: 2209.761 $\pm$ 173.863

χ^2 /NDF: 16.3/33

Left Out: 1854.267 $\pm$ 187.405

χ^2 /NDF: 15.1/23

Right Out: -2115.023 $\pm$ 173.413

χ^2 /NDF: 29.6/36

Left In: -2123.138 $\pm$ 188.684

χ^2 /NDF: 32.0/22

+ sign 2045.321 $\pm$ 127.459

χ^2 /NDF: 33.3/57

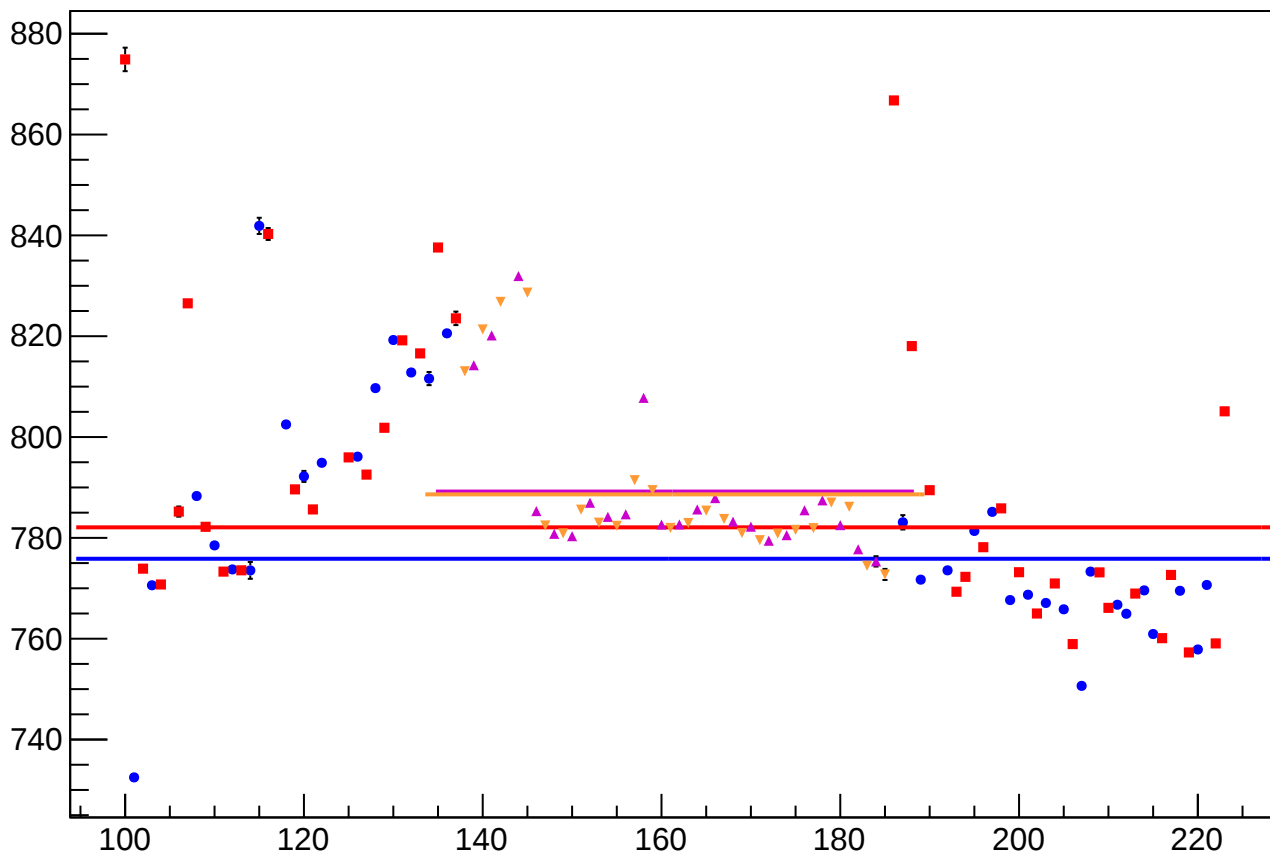
All: -33.100 $\pm$ 90.205

χ^2 /NDF: 627.7/117

- sign -2118.739 $\pm$ 127.680

χ^2 /NDF: 61.6/59

reg_asym_us_avg_rms vs Slug



Right In: 775.857 $\pm$ 0.123 χ^2 /NDF: 25794.2/33

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

Right Out: 782.092 $\pm$ 0.123 χ^2 /NDF: 36440.6/36

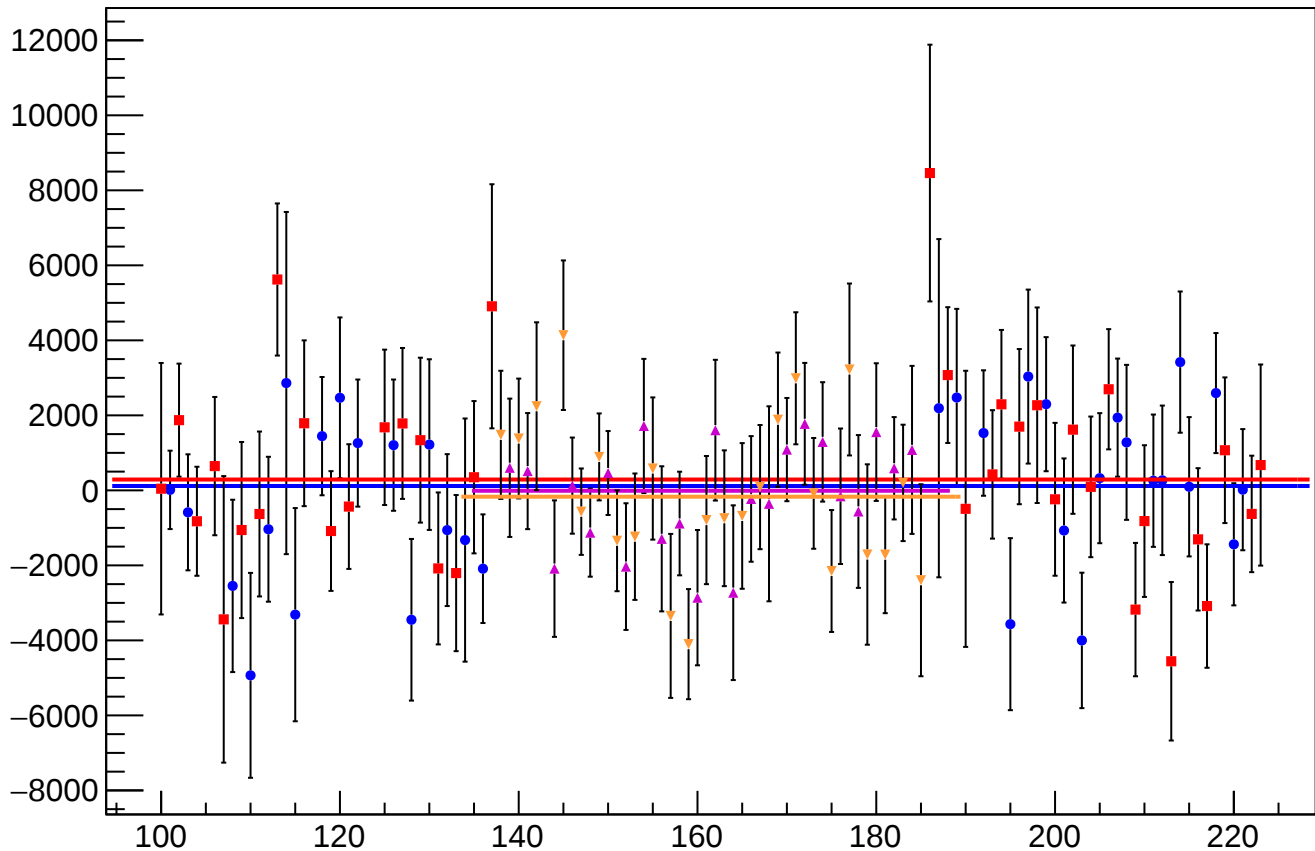
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

+ sign 781.765 $\pm$ 0.090 χ^2 /NDF: 42264.7/57

All: 783.549 $\pm$ 0.064 χ^2 /NDF: 92365.8/117

- sign 785.340 $\pm$ 0.090 χ^2 /NDF: 49316.0/59

asym_us_avg_correction_mean vs Slug



Right In: 116.457 $\pm$ 320.517 χ^2 /NDF: 37.0/33

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

Right Out: 289.086 $\pm$ 328.651 χ^2 /NDF: 45.2/36

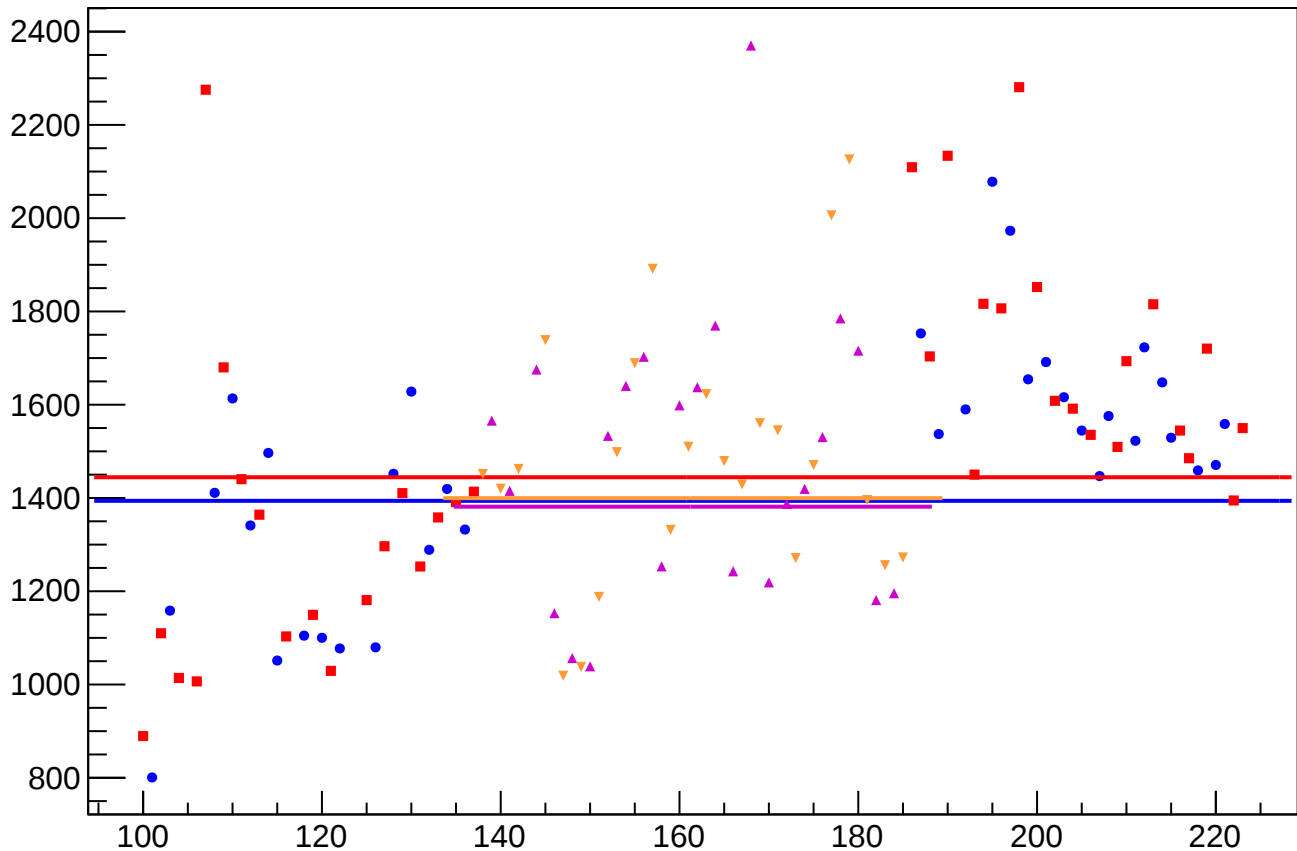
Left In: -10.093 $\pm$ 337.810 χ^2 /NDF:14.2/22

+ sign -17.776 $\pm$ 233.349 χ^2 /NDF: 67.3/57

All: 62.154 $\pm$ 165.780 χ^2 /NDF: 127.4/117

- sign 143.607 $\pm$ 235.563 χ^2 /NDF: 59.8/59

asym_us_avg_correction_rms vs Slug



Right In: 1393.883 $\pm$ 0.227 χ^2 /NDF: 1650553.0/33

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

+ sign 1396.563 $\pm$ 0.165 χ^2 /NDF: 2769975.8/57

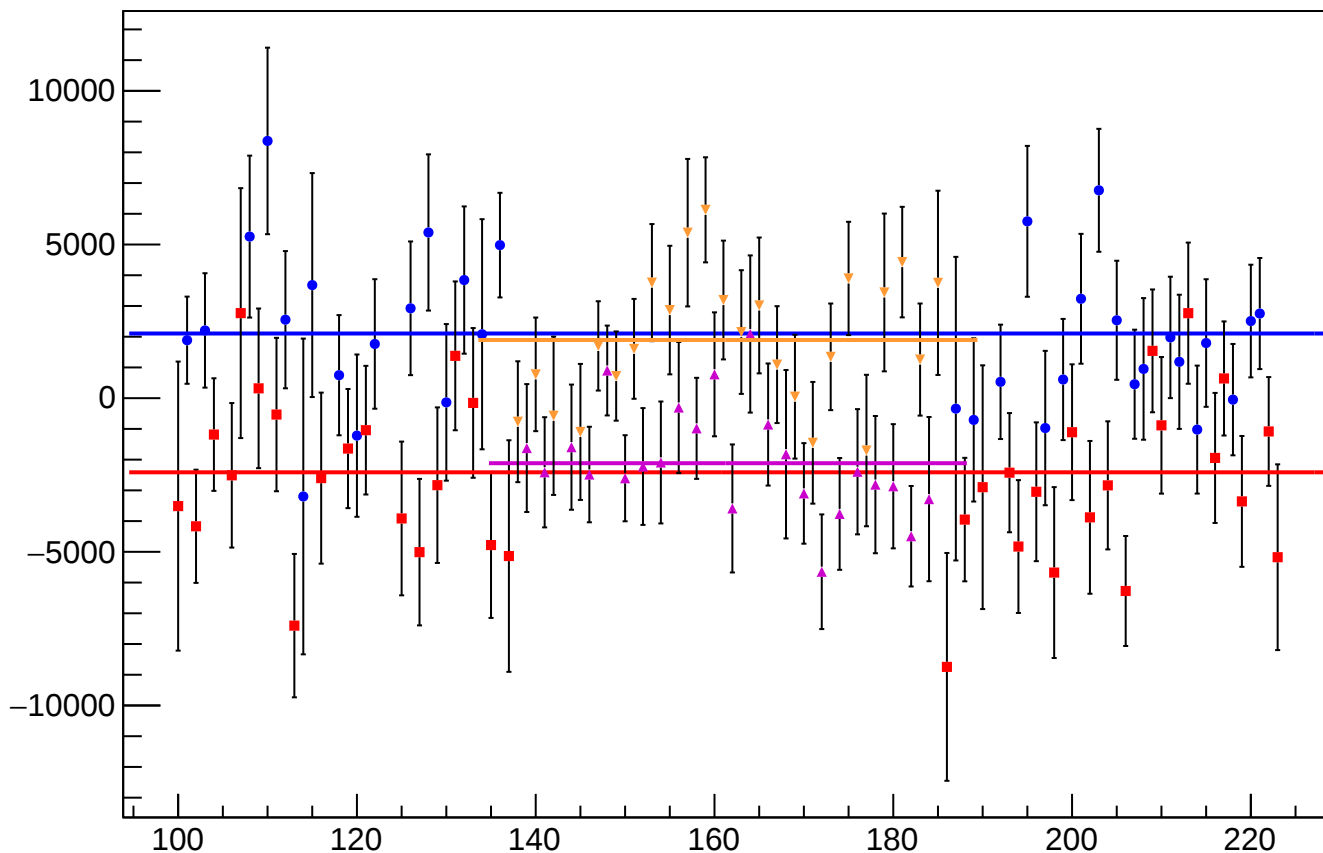
Right Out: 1444.500 $\pm$ 0.232 χ^2 /NDF: 1647095.5/36

All: 1405.099 $\pm$ 0.117 χ^2 /NDF: 5734858.6/11

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

- sign 1413.797 $\pm$ 0.167 χ^2 /NDF: 2959480.2/59

asym_us_avg_mean vs Slug



Right In: 2104.725 ± 371.909 χ^2/NDF : 32.4/33

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

Right Out: -2412.291 ± 378.553 χ^2/NDF : 41.7/36

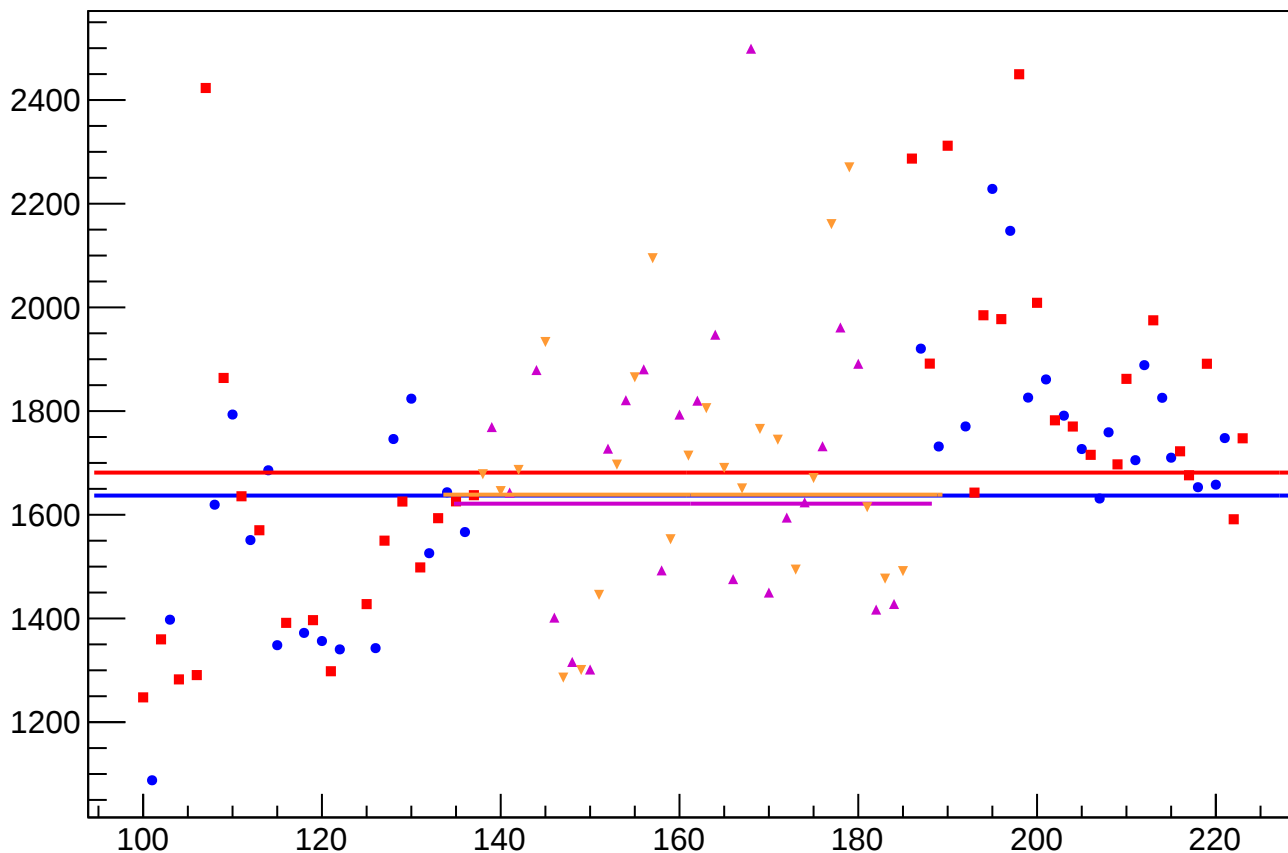
Left In: -2116.114 ± 392.997 χ^2/NDF : 18.8/22

+ sign 2005.419 ± 270.735 χ^2/NDF : 58.5/57

All: -117.171 ± 192.109 χ^2/NDF : 243.1/117

- sign -2269.745 ± 272.641 χ^2/NDF : 60.8/59

asym_us_avg_rms vs Slug



Right In: 1637.051 $\pm$ 0.263 χ^2 /NDF: 848248.9/33

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

Right Out: 1681.362 $\pm$ 0.268 χ^2 /NDF: 961592.9/36

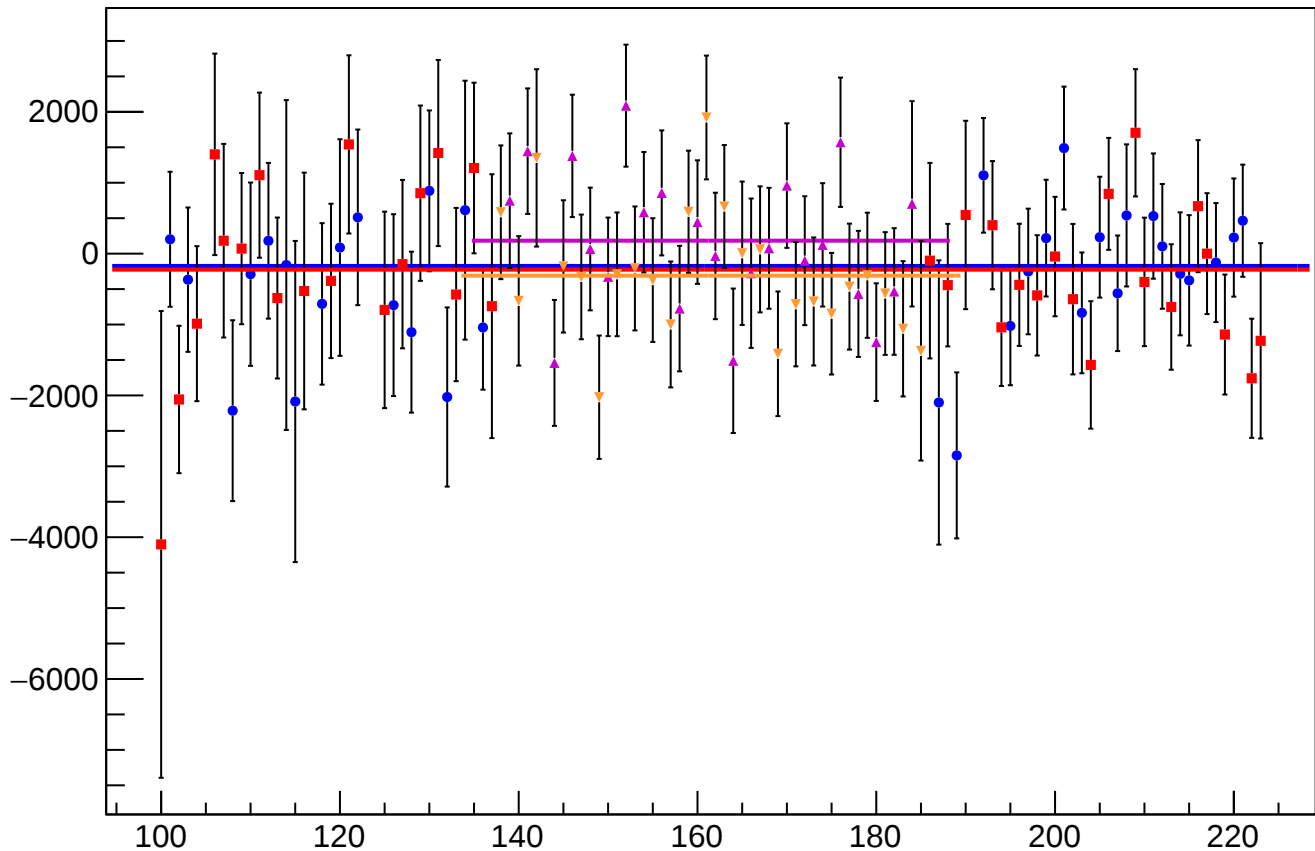
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1637.876 $\pm$ 0.191 χ^2 /NDF: 1520176.5/57

All: 1645.142 $\pm$ 0.136 χ^2 /NDF: 3284118.3/11

- sign 1652.511 $\pm$ 0.193 χ^2 /NDF: 1761040.2/59

reg_asym_us_dd_mean vs Slug



Right In: -173.456+/-172.685 χ^2/NDF : 26.0/33

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

Right Out: -226.153+/-171.962 χ^2/NDF : 31.4/36

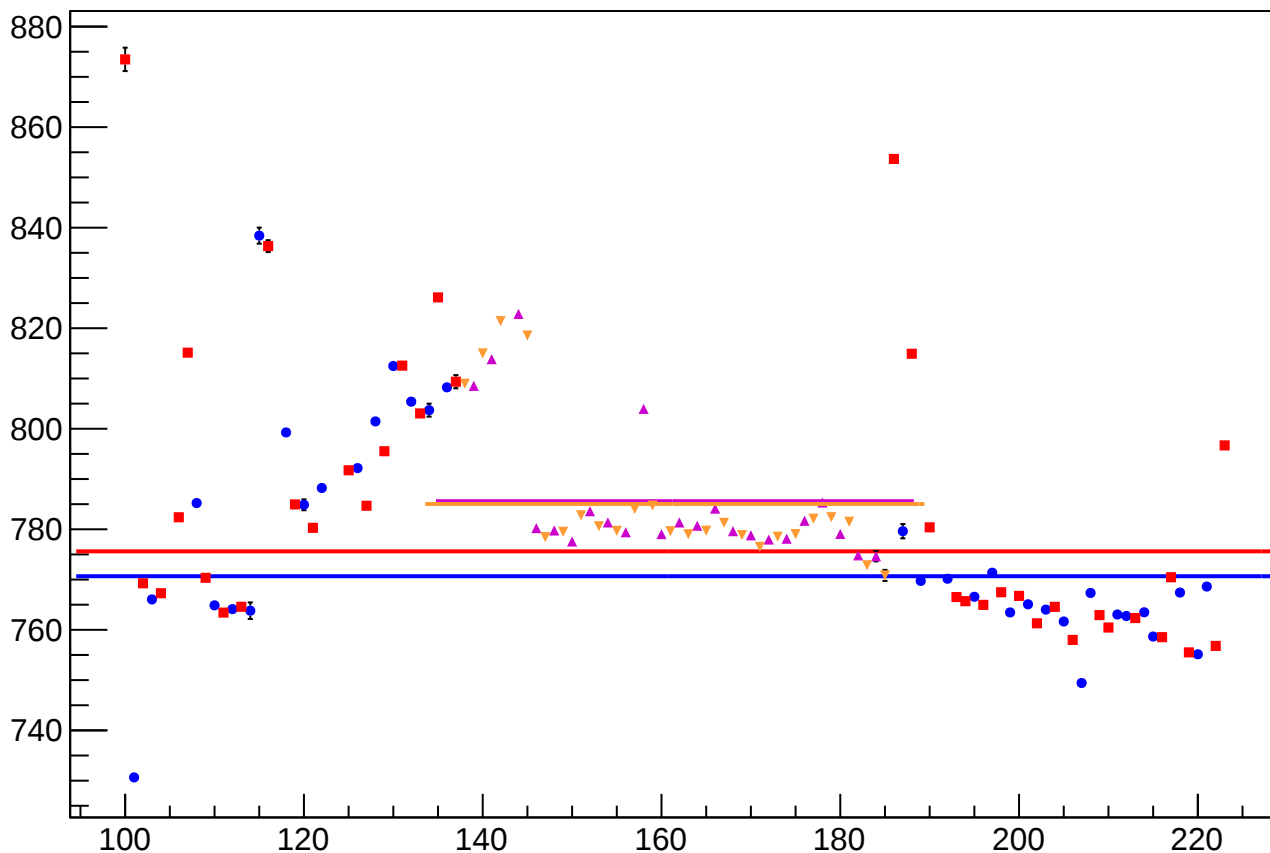
Left In: 182.895+/-187.817 χ^2/NDF : 26.1/22

+ sign -236.730+/-126.722 χ^2/NDF : 46.3/57

All: -138.260+/-89.644 χ^2/NDF : 107.6/117

- sign -39.620+/-126.831 χ^2/NDF : 60.1/59

reg_asym_us_dd_rms vs Slug



Right In: 770.663 $\pm$ 0.122 χ^2 /NDF: 21750.5/33

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

Right Out: 775.614 $\pm$ 0.122 χ^2 /NDF: 32819.4/36

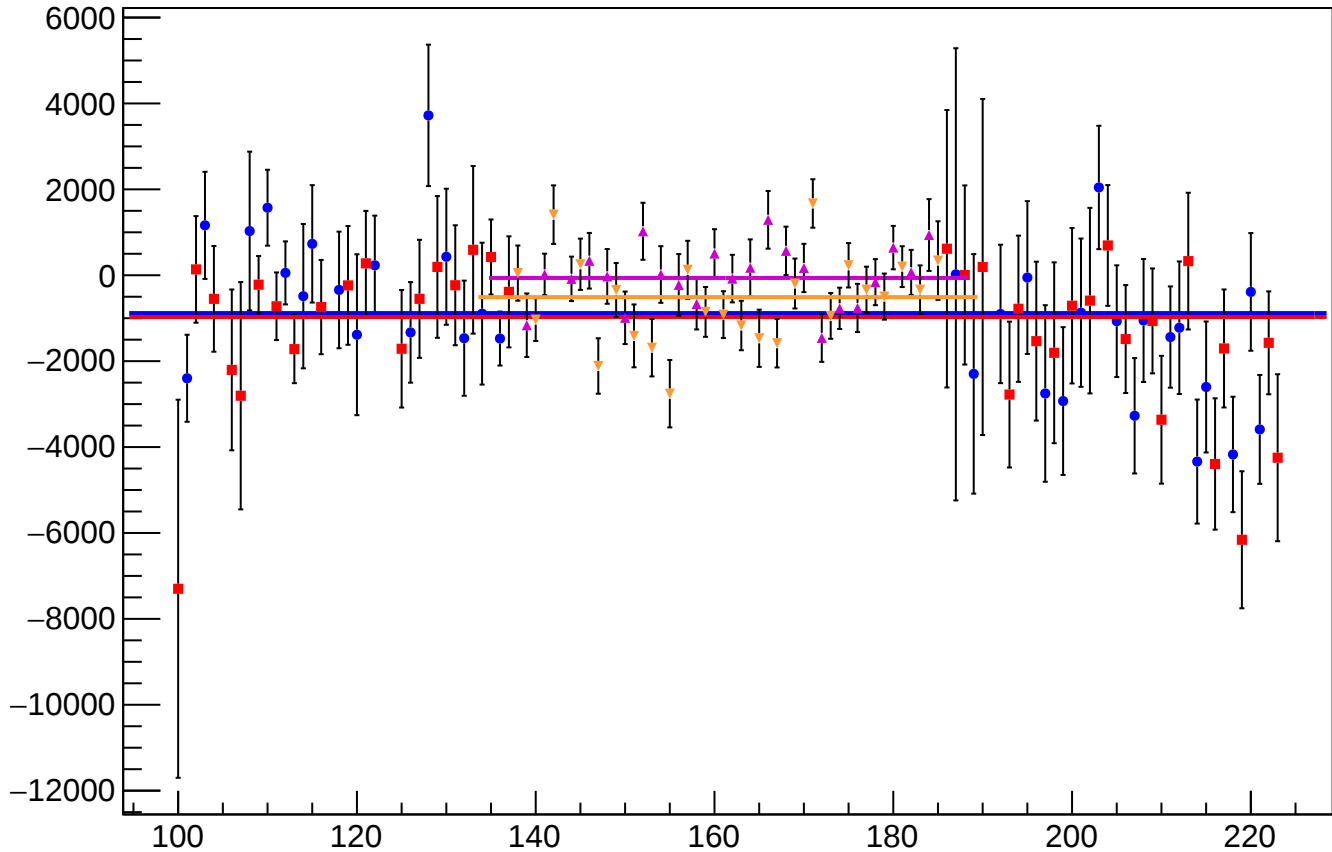
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 777.294 $\pm$ 0.090 χ^2 /NDF: 37507.4/57

All: 778.728 $\pm$ 0.063 χ^2 /NDF: 83283.7/117

- sign 780.164 $\pm$ 0.090 χ^2 /NDF: 45263.7/59

asym_us_dd_correction_mean vs Slug



Right In: -880.725 $\pm$ 222.937 χ^2 /NDF: 55.7/33

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

Right Out: -970.924 $\pm$ 220.995 χ^2 /NDF: 37.9/36

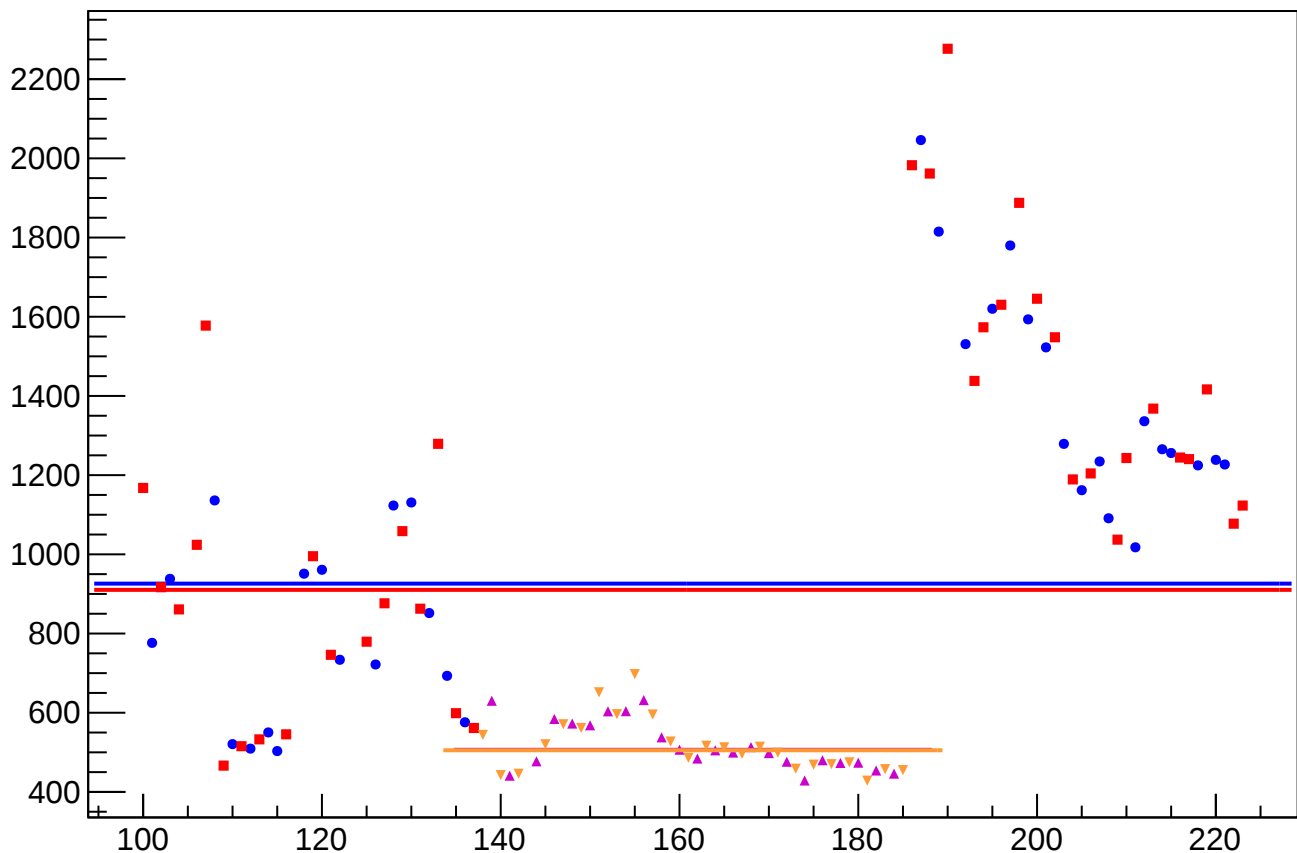
Left In: -62.768 $\pm$ 122.045 χ^2 /NDF: 28.8/22

+ sign -594.032 $\pm$ 106.475 χ^2 /NDF: 118.4/57

All: -435.061 $\pm$ 75.417 χ^2 /NDF: 202.5/117

- sign -275.010 $\pm$ 106.836 χ^2 /NDF: 79.6/59

asym_us_dd_correction_rms vs Slug



Right In: 926.052 $\pm$ 0.158 χ^2 /NDF: 5031075.2/33

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

Right Out: 910.297 $\pm$ 0.156 χ^2 /NDF: 6421367.8/36

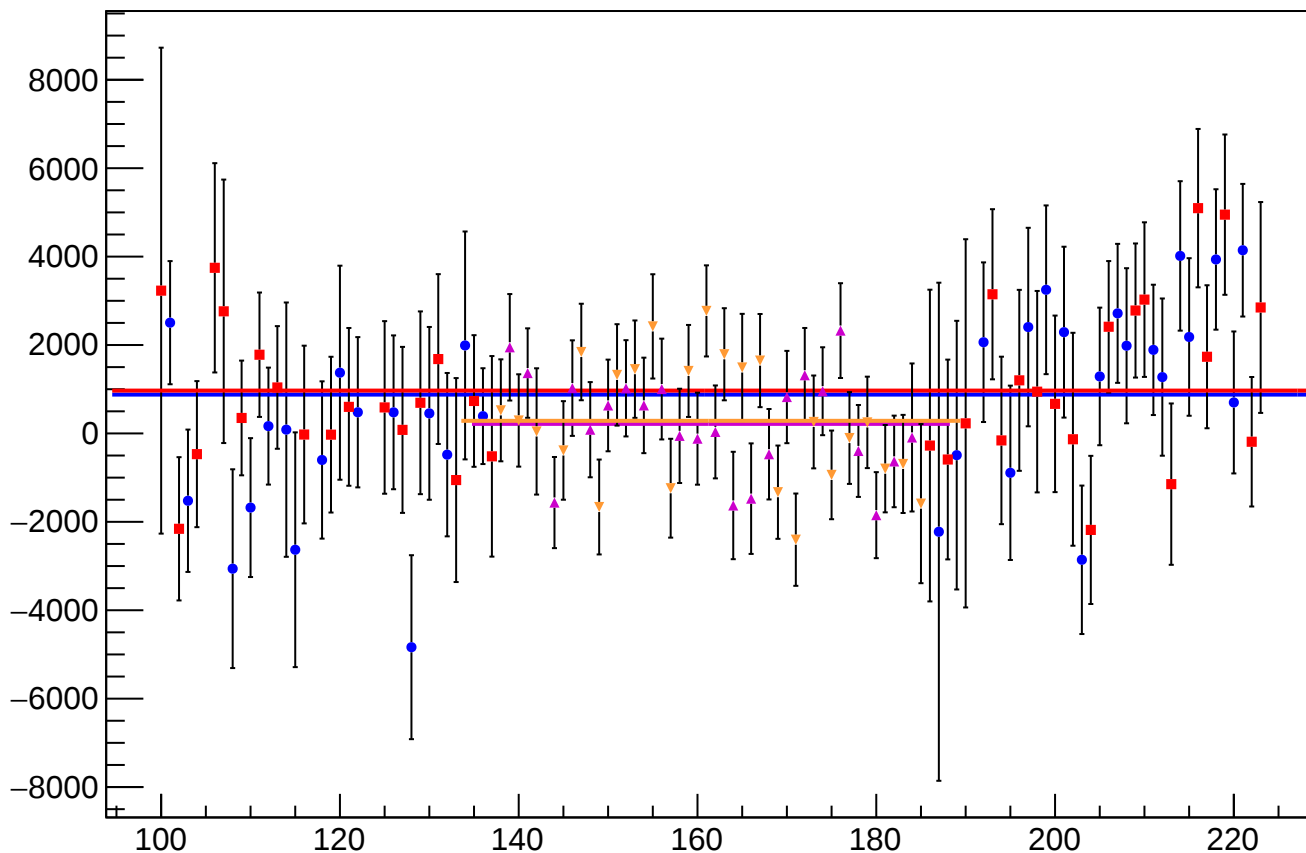
Left In: 506.380 $\pm$ 0.086 χ^2 /NDF: 436294.4/22

+ sign 601.213 $\pm$ 0.075 χ^2 /NDF: 11017705.3/57

All: 600.997 $\pm$ 0.053 χ^2 /NDF: 22995047.6/11

- sign 600.778 $\pm$ 0.076 χ^2 /NDF: 11977325.6/59

asym_us_dd_mean vs Slug



Right In: 878.512 ± 302.904 $\chi^2/\text{NDF}: 44.8/33$

Left Out: 285.144 ± 224.378 $\chi^2/\text{NDF}: 38.3/23$

Right Out: 969.108 ± 305.632 $\chi^2/\text{NDF}: 31.9/36$

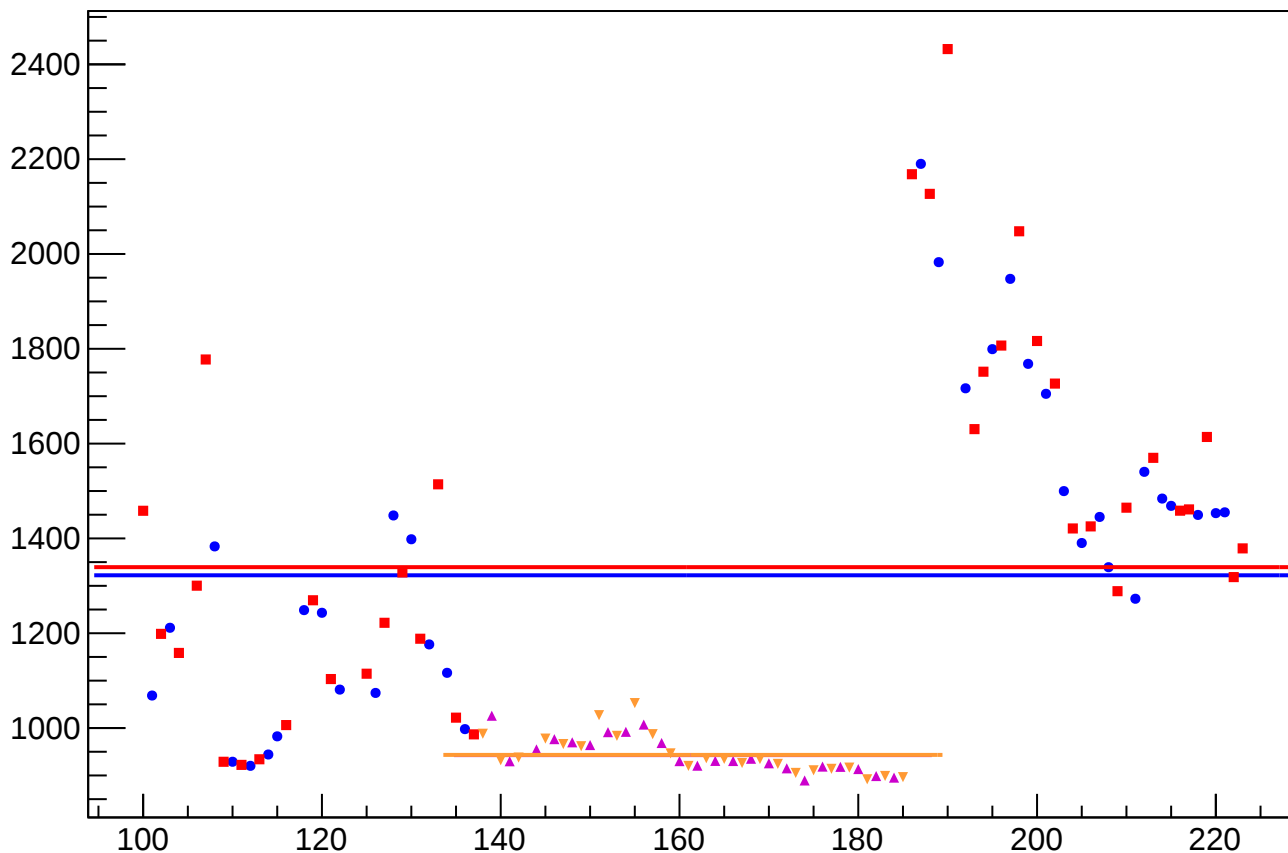
Left In: 216.121 ± 225.600 $\chi^2/\text{NDF}: 24.4/22$

+ sign 495.378 ± 180.299 $\chi^2/\text{NDF}: 85.5/57$

All: 488.581 ± 127.916 $\chi^2/\text{NDF}: 145.8/117$

- sign 481.692 ± 181.508 $\chi^2/\text{NDF}: 60.3/59$

asym_us_dd_rms vs Slug



Right In: 1322.240+/-0.214 χ^2/NDF : 1597644.7/33

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

Right Out: 1339.390+/-0.216 χ^2/NDF : 2138946.8/36

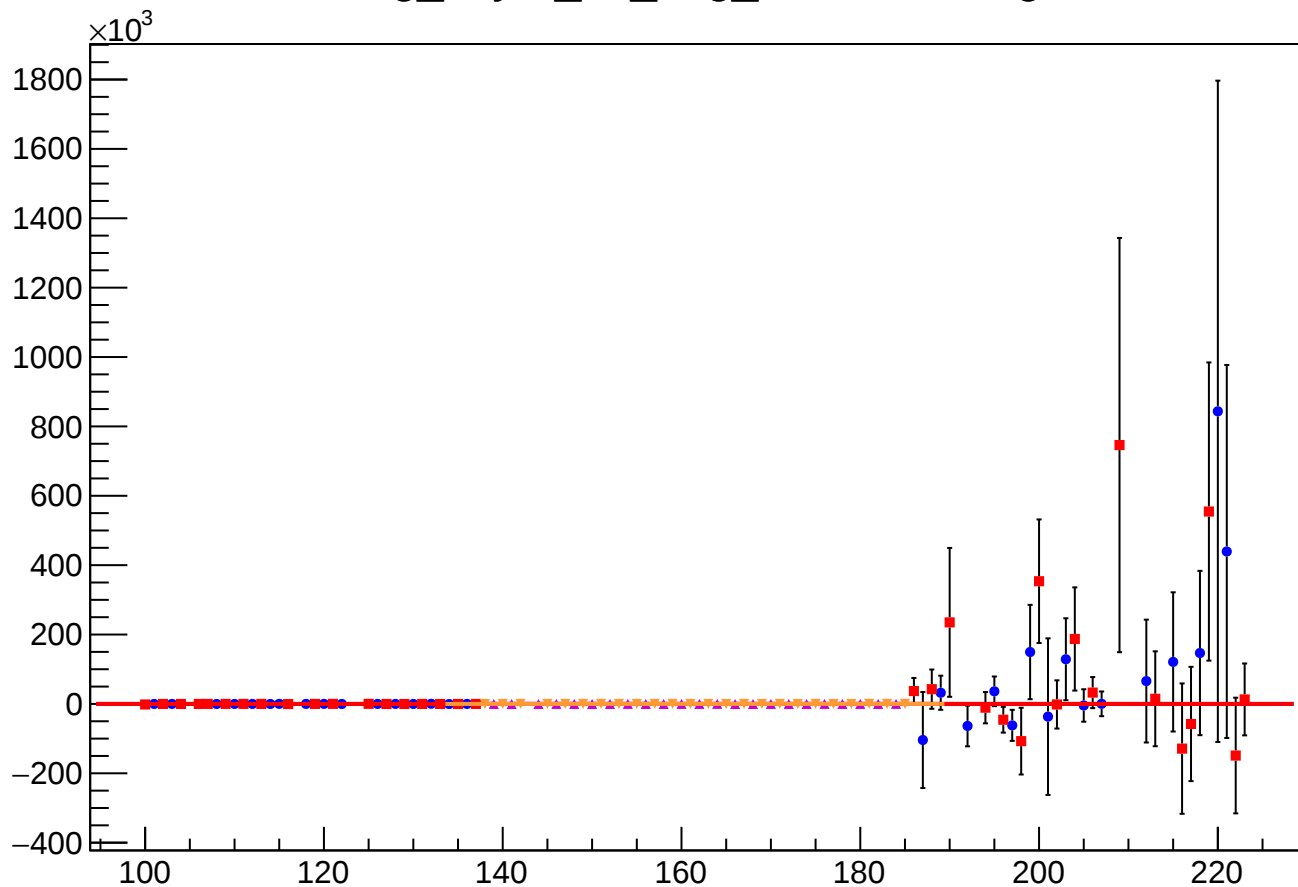
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1077.593+/-0.127 χ^2/NDF : 3678578.5/57

All: 1080.157+/-0.090 χ^2/NDF : 8045206.4/11

- sign 1082.755+/-0.128 χ^2/NDF : 4365813.6/59

reg_asym_ds_avg_mean vs Slug



Right In: -15.548 ± 30.032 χ^2/NDF : 25.5/30

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

Right Out: -31.730 ± 30.492 χ^2/NDF : 33.0/34

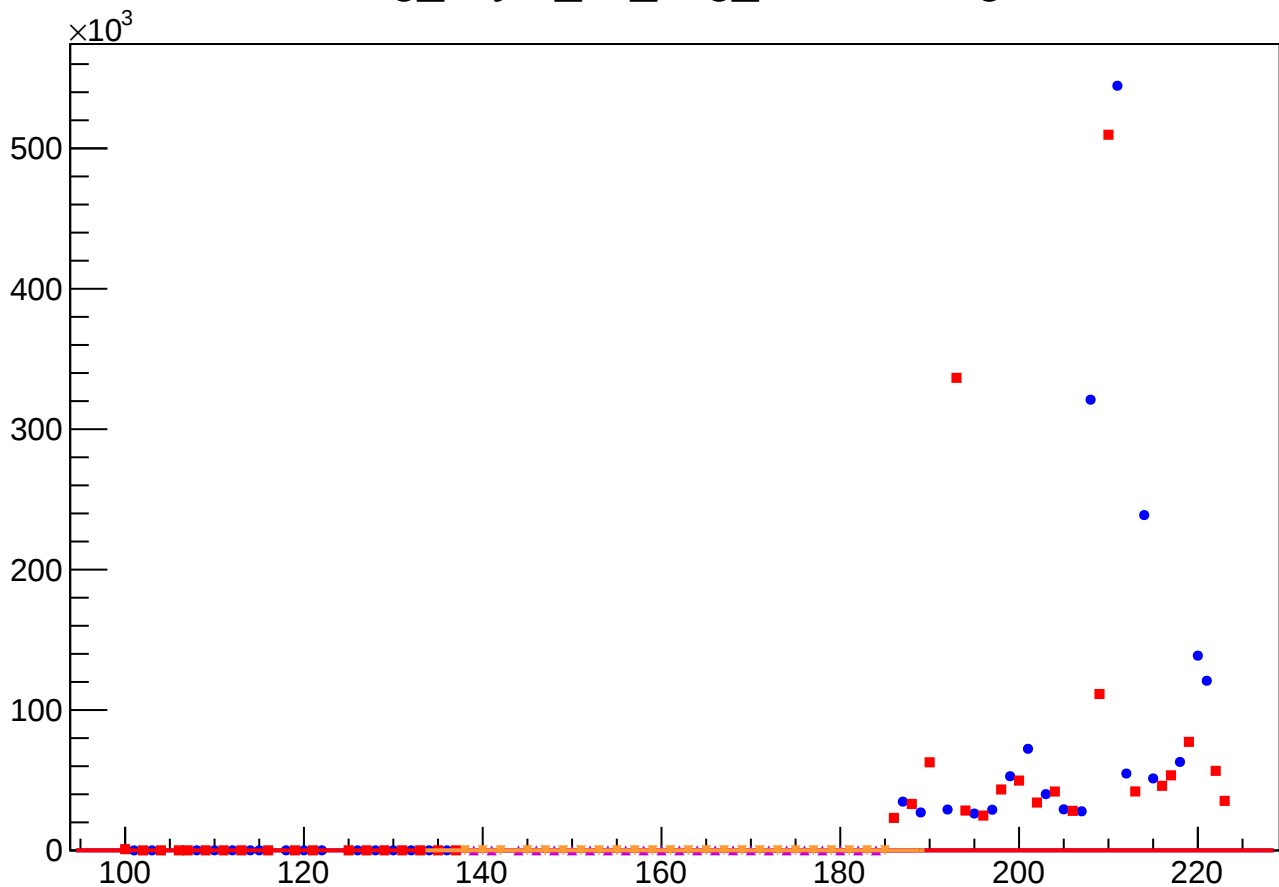
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.802 ± 17.464 χ^2/NDF : 48.2/54

All: 0.908 ± 12.403 χ^2/NDF : 106.0/112

- sign 4.684 ± 17.617 χ^2/NDF : 57.7/57

reg_asym_ds_avg_rms vs Slug



Right In: 76.144 $\pm$ 0.021 χ^2 /NDF: 7120930.0/33

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

Right Out: 79.467 $\pm$ 0.022 χ^2 /NDF: 7147162.2/36

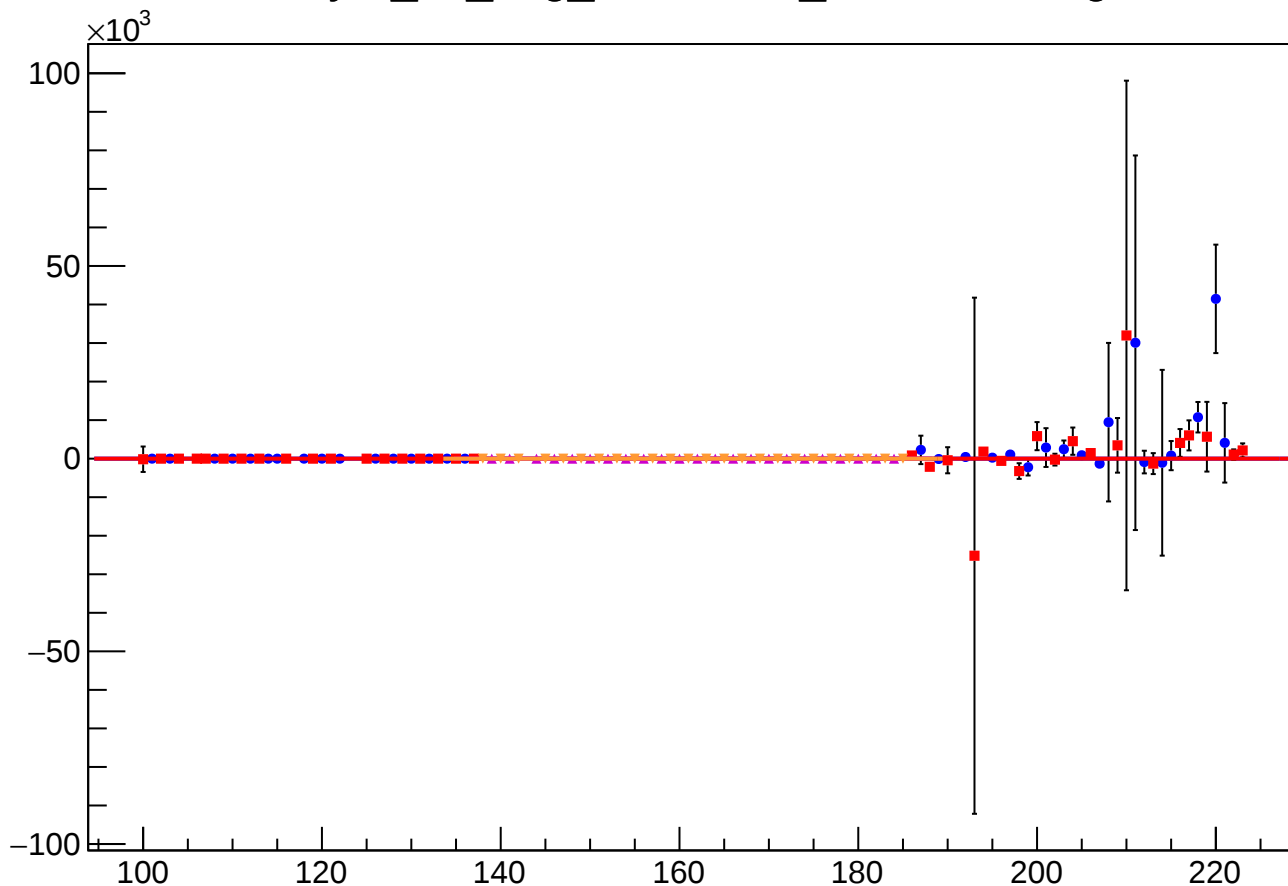
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.111 $\pm$ 0.012 χ^2 /NDF: 7856596.7/57

All: 85.658 $\pm$ 0.009 χ^2 /NDF: 15663239.1/117

- sign 86.214 $\pm$ 0.012 χ^2 /NDF: 7802681.7/59

asym_ds_avg_correction_mean vs Slug



Right In: -0.289 ± 0.502 $\chi^2/\text{NDF}: 47.8/33$

Left Out: 0.126 ± 0.377 $\chi^2/\text{NDF}: 21.3/23$

Right Out: -0.037 ± 0.525 $\chi^2/\text{NDF}: 35.7/36$

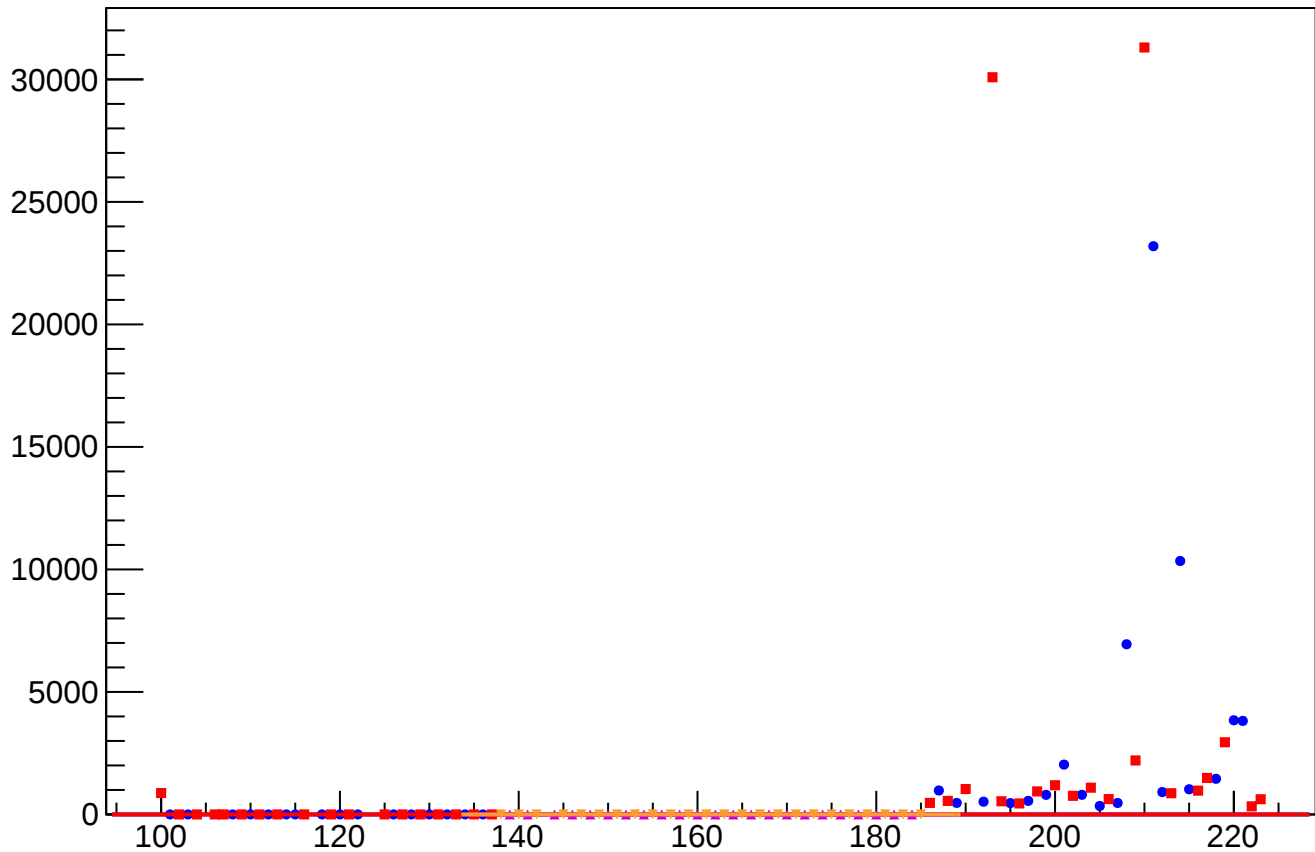
Left In: 0.519 ± 0.387 $\chi^2/\text{NDF}: 26.3/22$

+ sign -0.024 ± 0.301 $\chi^2/\text{NDF}: 69.6/57$

All: 0.144 ± 0.217 $\chi^2/\text{NDF}: 133.0/117$

- sign 0.323 ± 0.312 $\chi^2/\text{NDF}: 62.8/59$

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 7412897.0/33

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

Right Out: 1.260+/-0.000 χ^2/NDF : 7814158.3/36

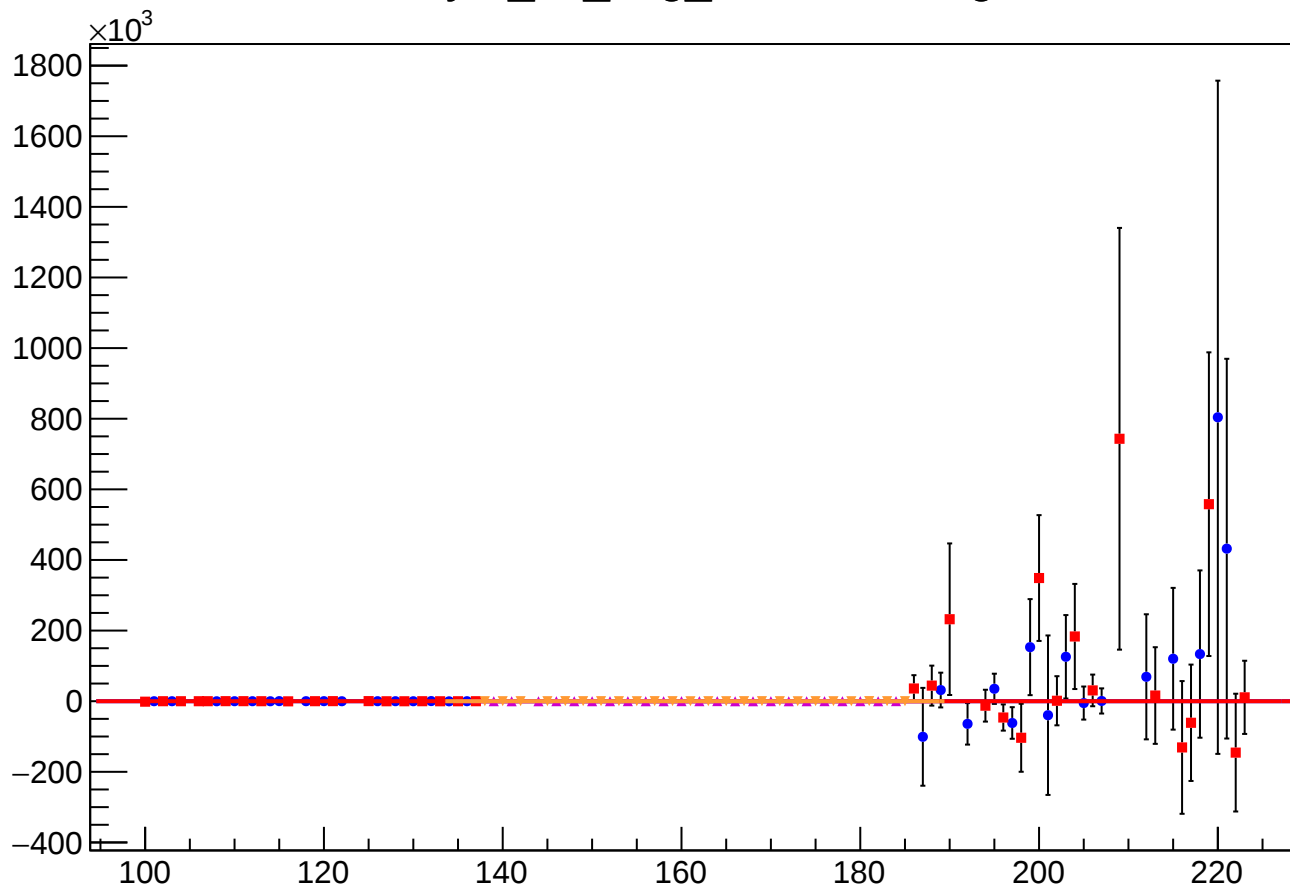
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 8730897.8/57

All: 1.350+/-0.000 χ^2/NDF : 17766311.9/117

- sign 1.385+/-0.000 χ^2/NDF : 8984747.7/59

asym_ds_avg_mean vs Slug



Right In: -14.485 ± 30.040 χ^2/NDF : 25.6/30

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

Right Out: -32.011 ± 30.500 χ^2/NDF : 32.7/34

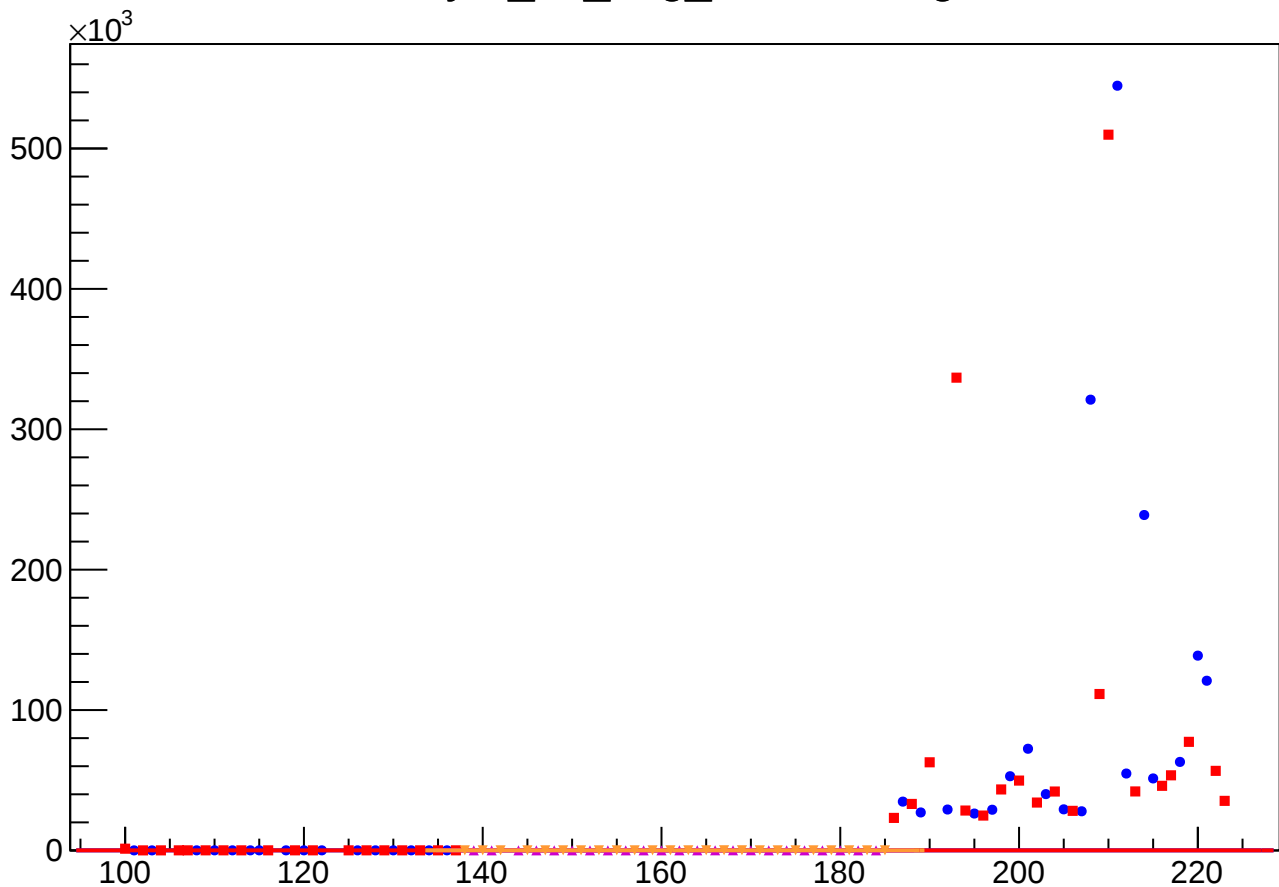
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -2.585 ± 17.470 χ^2/NDF : 47.9/54

All: 0.811 ± 12.407 χ^2/NDF : 105.1/112

- sign 4.266 ± 17.623 χ^2/NDF : 57.2/57

asym_ds_avg_rms vs Slug



Right In: 76.164 $\pm$ 0.021 χ^2 /NDF: 7121059.9/33

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

Right Out: 79.471 $\pm$ 0.022 χ^2 /NDF: 7153772.6/36

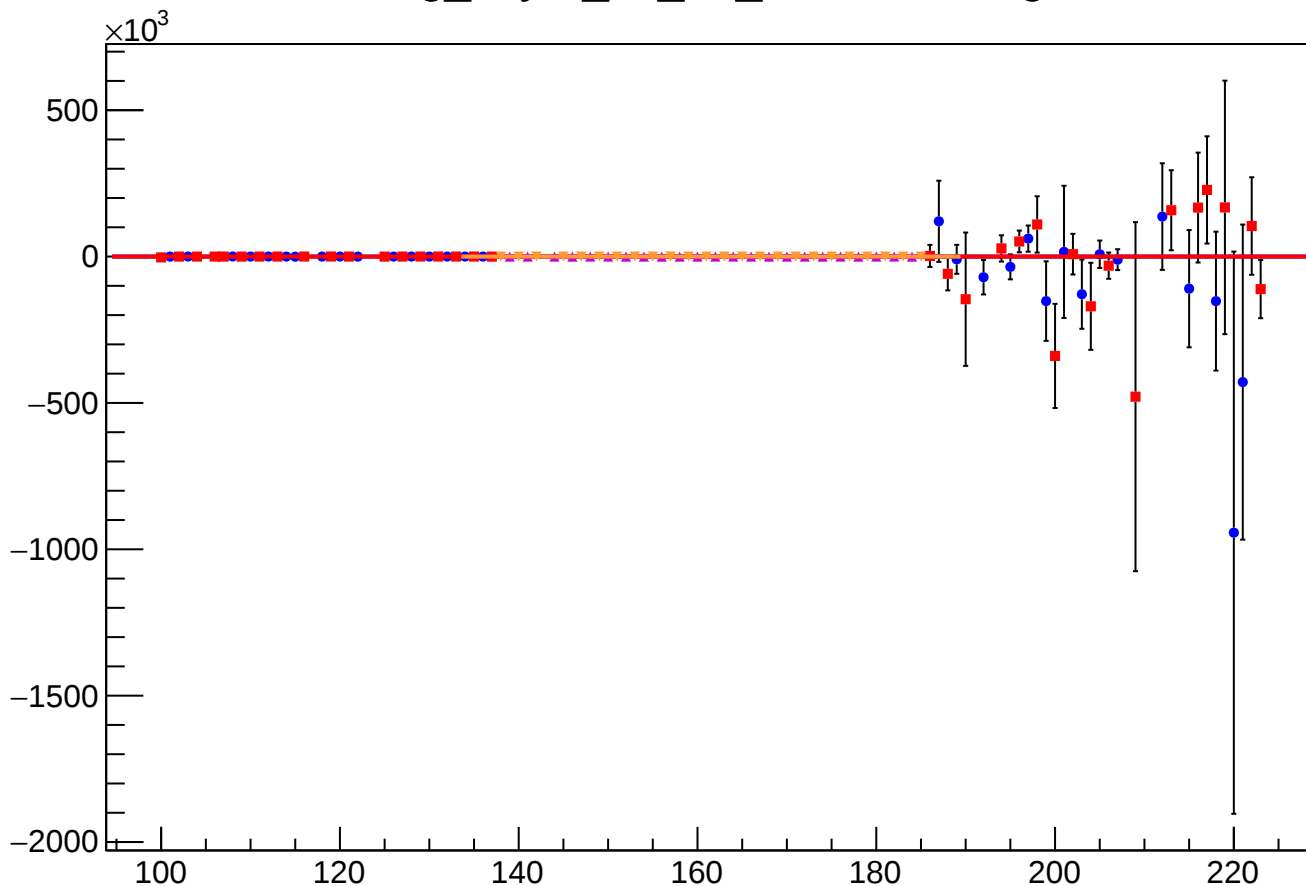
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.135 $\pm$ 0.012 χ^2 /NDF: 7857596.3/57

All: 85.679 $\pm$ 0.009 χ^2 /NDF: 15672278.9/117

- sign 86.233 $\pm$ 0.012 χ^2 /NDF: 7810762.7/59

reg_asym_ds_dd_mean vs Slug



Right In: 8.084 ± 30.012 χ^2/NDF : 24.2/30

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

Right Out: 25.796 ± 30.473 χ^2/NDF : 29.5/34

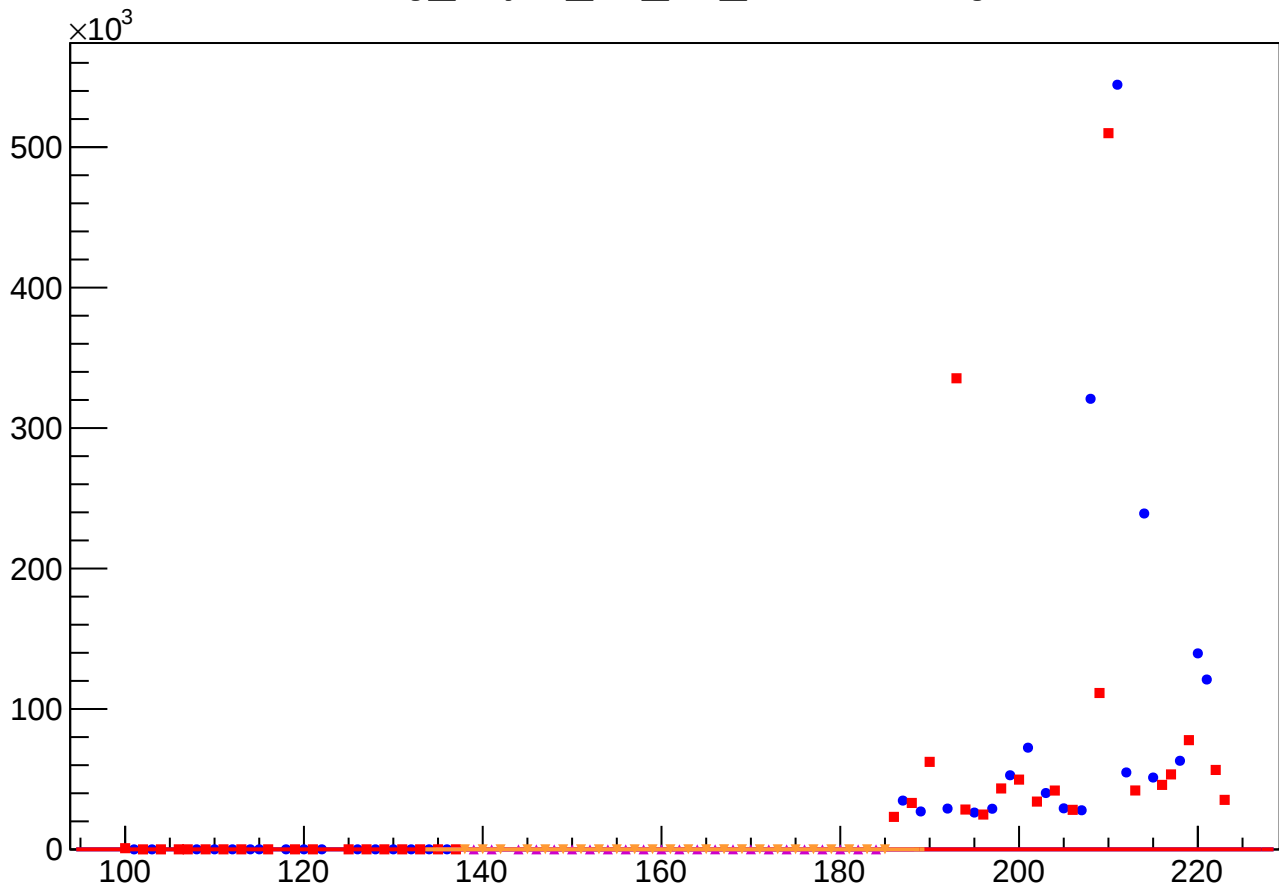
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.840 ± 17.463 χ^2/NDF : 41.4/54

All: -3.576 ± 12.403 χ^2/NDF : 107.6/112

- sign -20.285 ± 17.618 χ^2/NDF : 64.3/57

reg_asym_ds_dd_rms vs Slug



Right In: 76.094 $\pm$ 0.021 χ^2 /NDF: 7120798.2/33

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

Right Out: 79.419 $\pm$ 0.022 χ^2 /NDF: 7146372.6/36

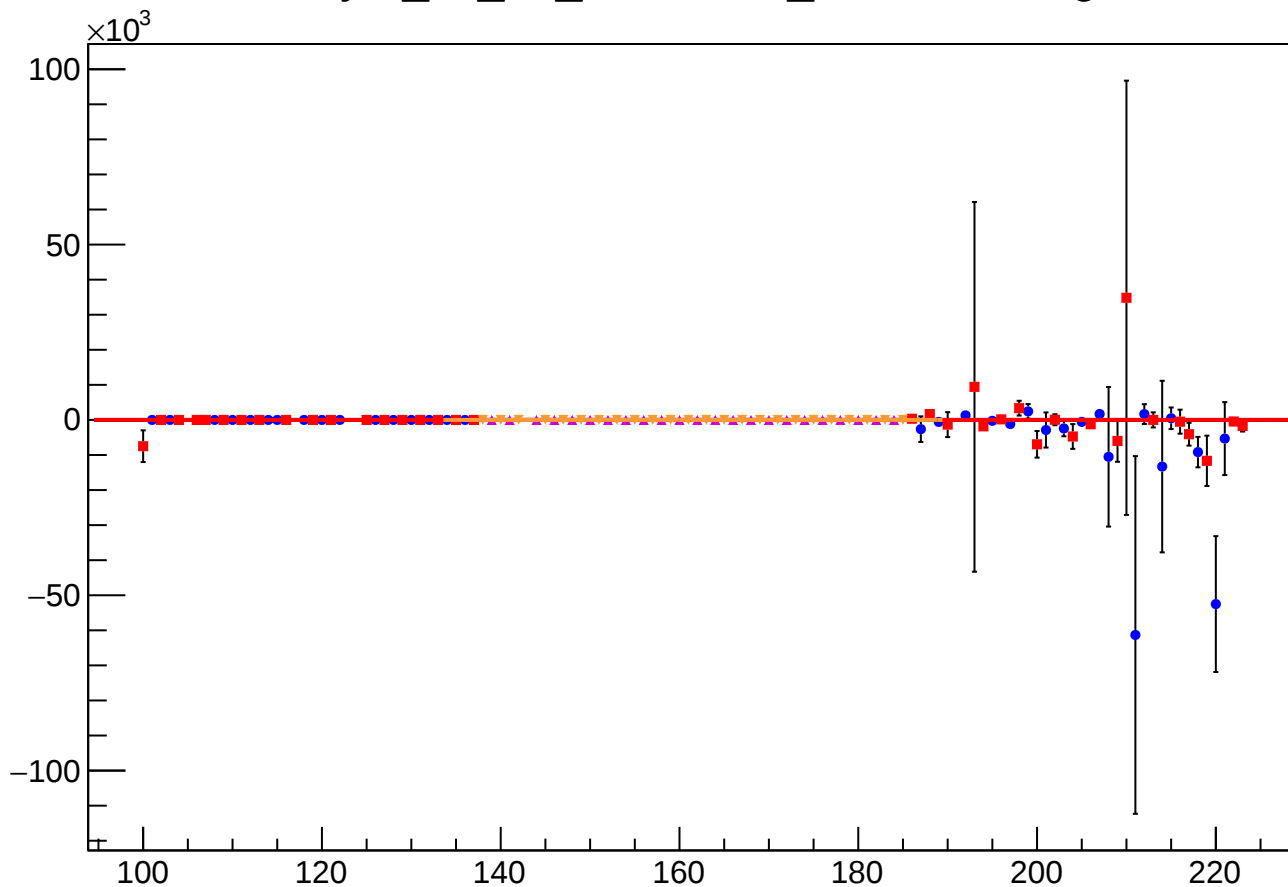
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.102 $\pm$ 0.012 χ^2 /NDF: 7858237.8/57

All: 85.653 $\pm$ 0.009 χ^2 /NDF: 15669126.2/117

- sign 86.215 $\pm$ 0.012 χ^2 /NDF: 7806859.4/59

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 39.9/33

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

Right Out: -0.349 ± 0.549 χ^2/NDF : 37.6/36

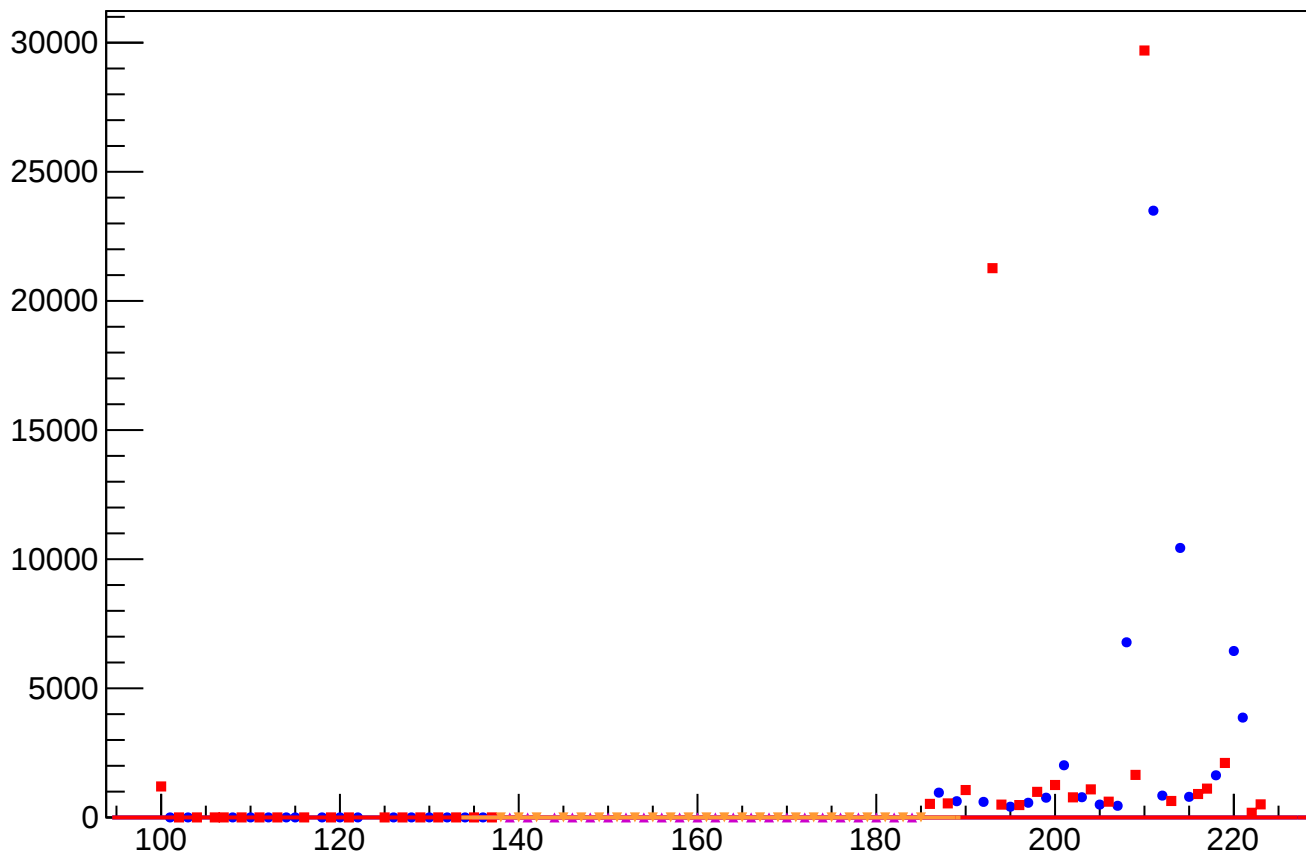
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 65.2/57

All: -0.045 ± 0.224 χ^2/NDF : 123.6/117

- sign -0.070 ± 0.318 χ^2/NDF : 58.4/59

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 7729060.8/33

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

Right Out: 1.317+/-0.000 χ^2/NDF : 7543908.6/36

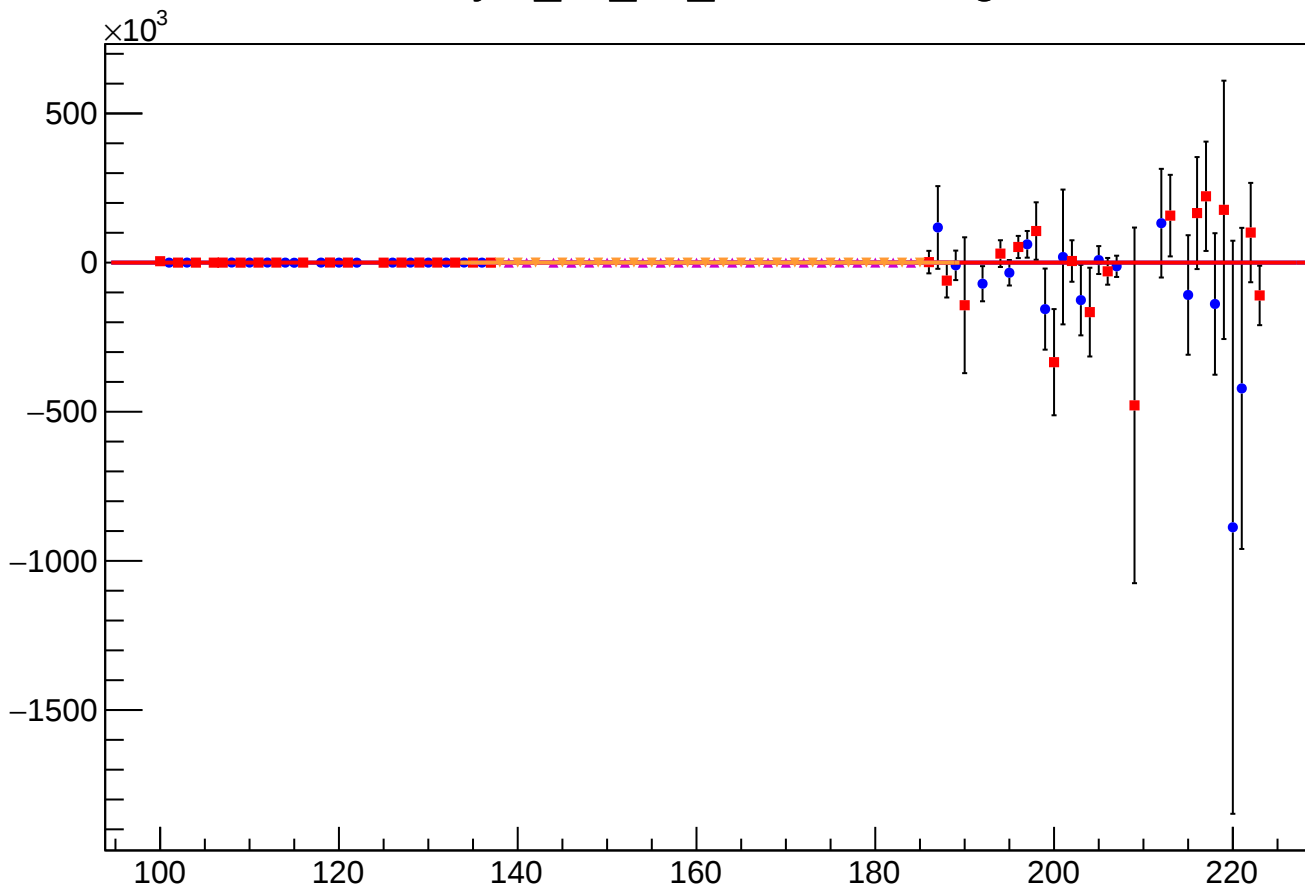
Left In: 1.461+/-0.000 χ^2/NDF : 1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 9139563.9/57

All: 1.400+/-0.000 χ^2/NDF : 17830113.8/117

- sign 1.413+/-0.000 χ^2/NDF : 8684220.9/59

asym_ds_dd_mean vs Slug



Right In: 7.377 ± 30.020 χ^2/NDF : 23.9/30

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

Right Out: 26.406 ± 30.482 χ^2/NDF : 29.3/34

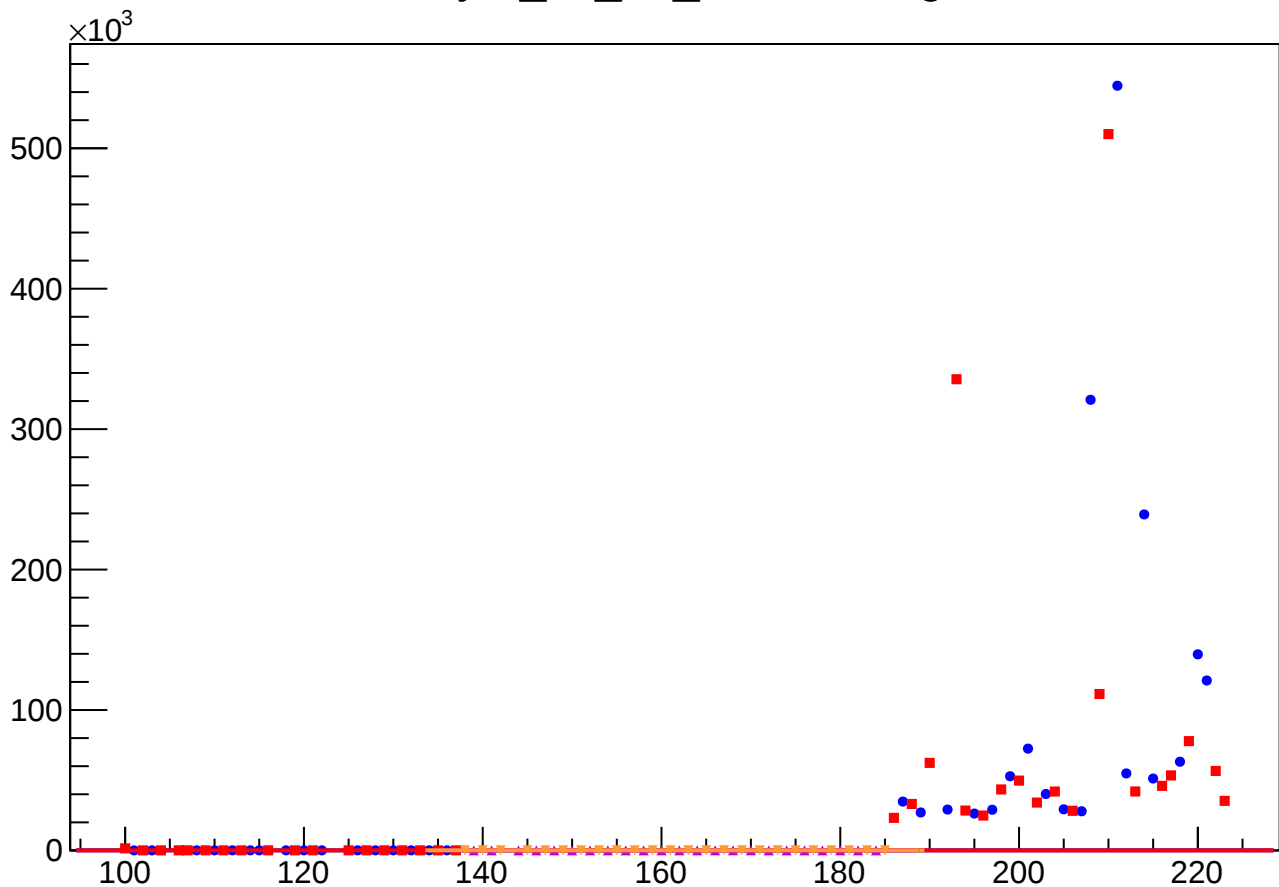
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 12.928 ± 17.468 χ^2/NDF : 41.0/54

All: -3.589 ± 12.407 χ^2/NDF : 106.8/112

- sign -20.401 ± 17.624 χ^2/NDF : 64.0/57

asym_ds_dd_rms vs Slug



Right In: 76.115 $\pm$ 0.021 χ^2 /NDF: 7120992.8/33

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

Right Out: 79.415 $\pm$ 0.022 χ^2 /NDF: 7155665.5/36

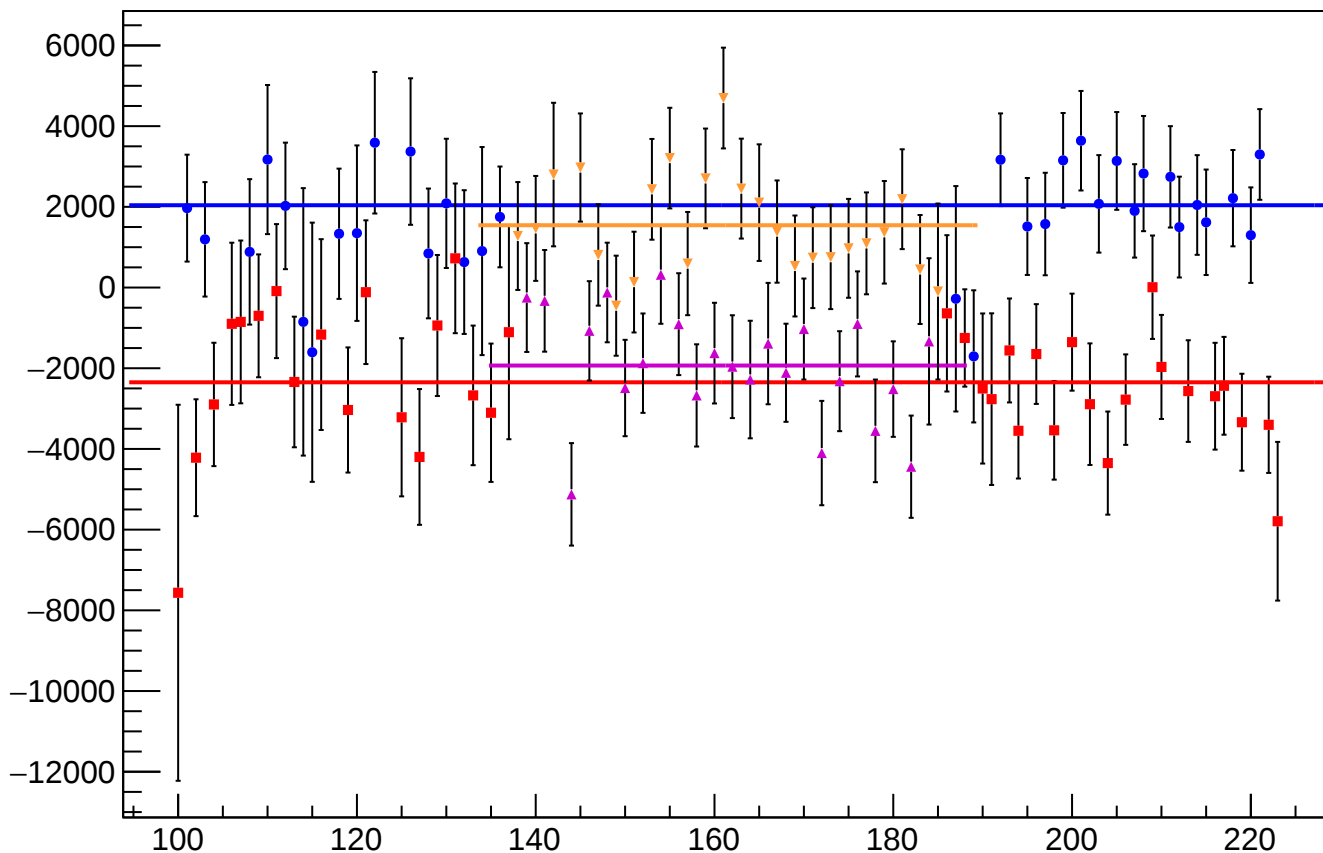
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.127 $\pm$ 0.012 χ^2 /NDF: 7859305.0/57

All: 85.674 $\pm$ 0.009 χ^2 /NDF: 15681024.0/117

- sign 86.232 $\pm$ 0.012 χ^2 /NDF: 7817751.9/59

reg_asym_usl_mean vs Slug



Right In: 2040.058 $\pm$ 245.059 χ^2 /NDF: 19.4/33

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

Right Out: -2348.653 $\pm$ 242.755 χ^2 /NDF: 30.2/37

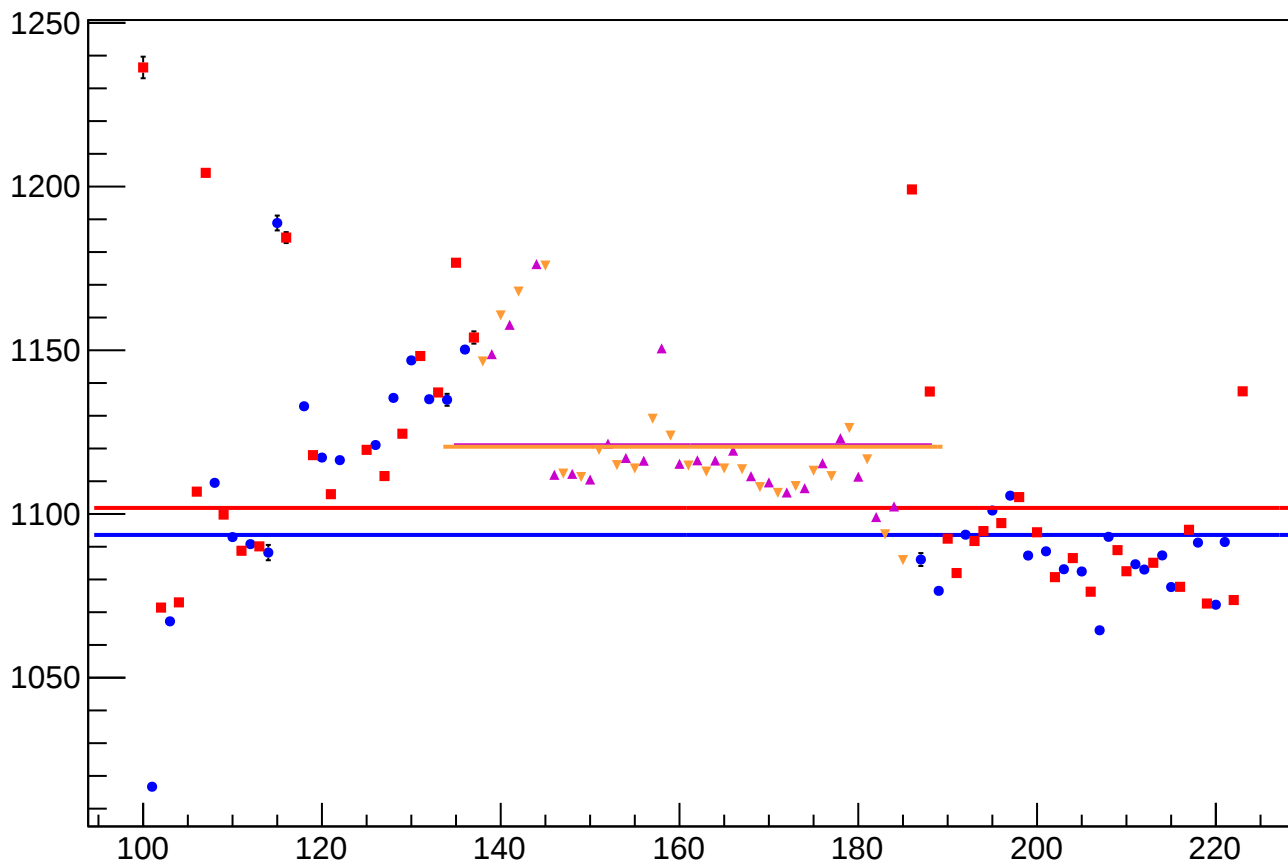
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF: 27.0/22

+ sign 1812.618 $\pm$ 180.316 χ^2 /NDF: 41.3/57

All: -178.716 $\pm$ 127.362 χ^2 /NDF: 343.2/118

- sign -2161.325 $\pm$ 179.920 χ^2 /NDF: 58.6/60

reg_asym_usl_rms vs Slug



Right In: 1093.601 $\pm$ 0.173 χ^2 /NDF: 24276.4/33

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

Right Out: 1101.850 $\pm$ 0.172 χ^2 /NDF: 32279.8/37

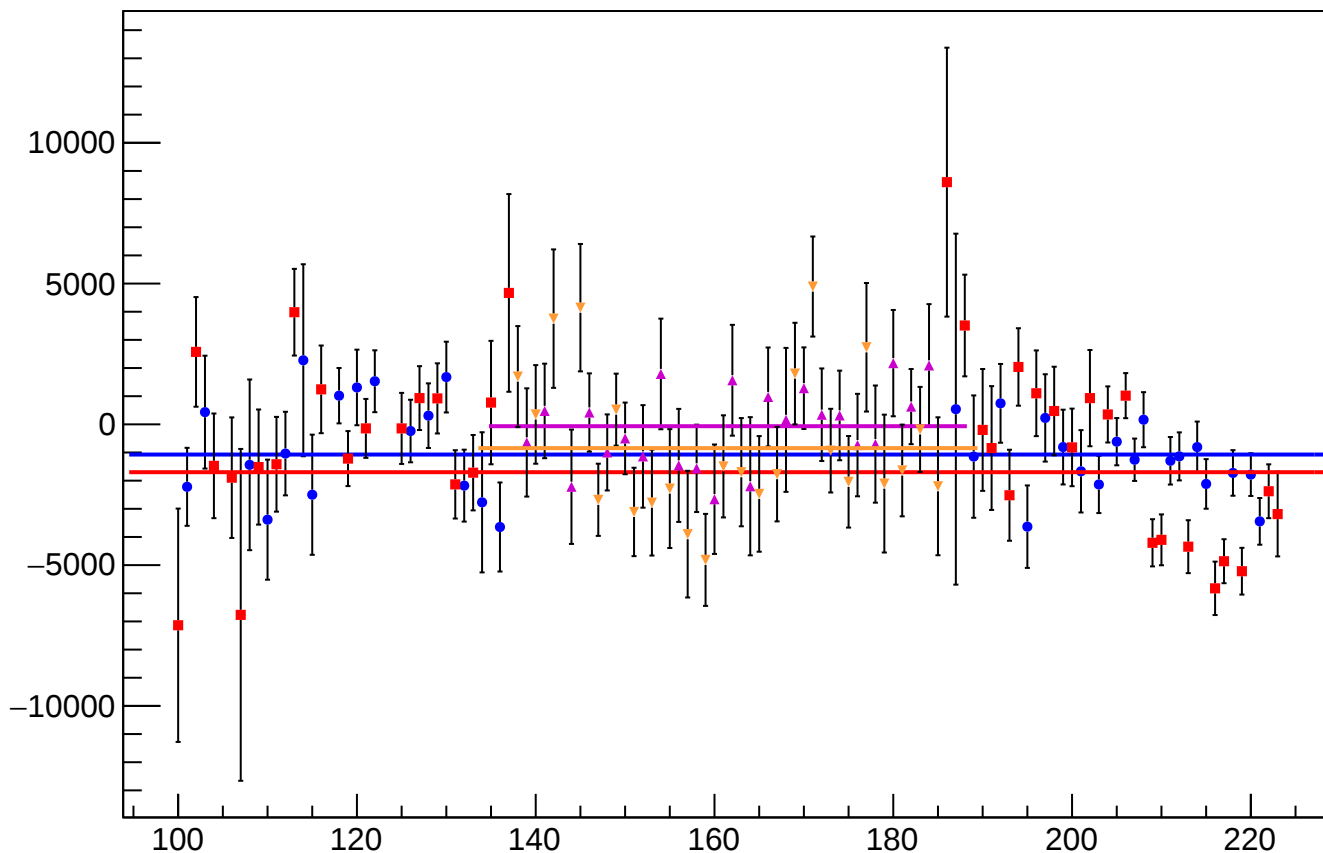
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF:9641.8/22

+ sign 1105.956 $\pm$ 0.128 χ^2 /NDF: 45615.0/57

All: 1108.221 $\pm$ 0.090 χ^2 /NDF: 93770.2/118

- sign 1110.477 $\pm$ 0.127 χ^2 /NDF: 47525.3/60

asym_usl_correction_mean vs Slug



Right In: -1072.544+/-197.918 χ^2/NDF : 47.9/33

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

Right Out: -1699.372+/-207.194 χ^2/NDF : 166.8/37

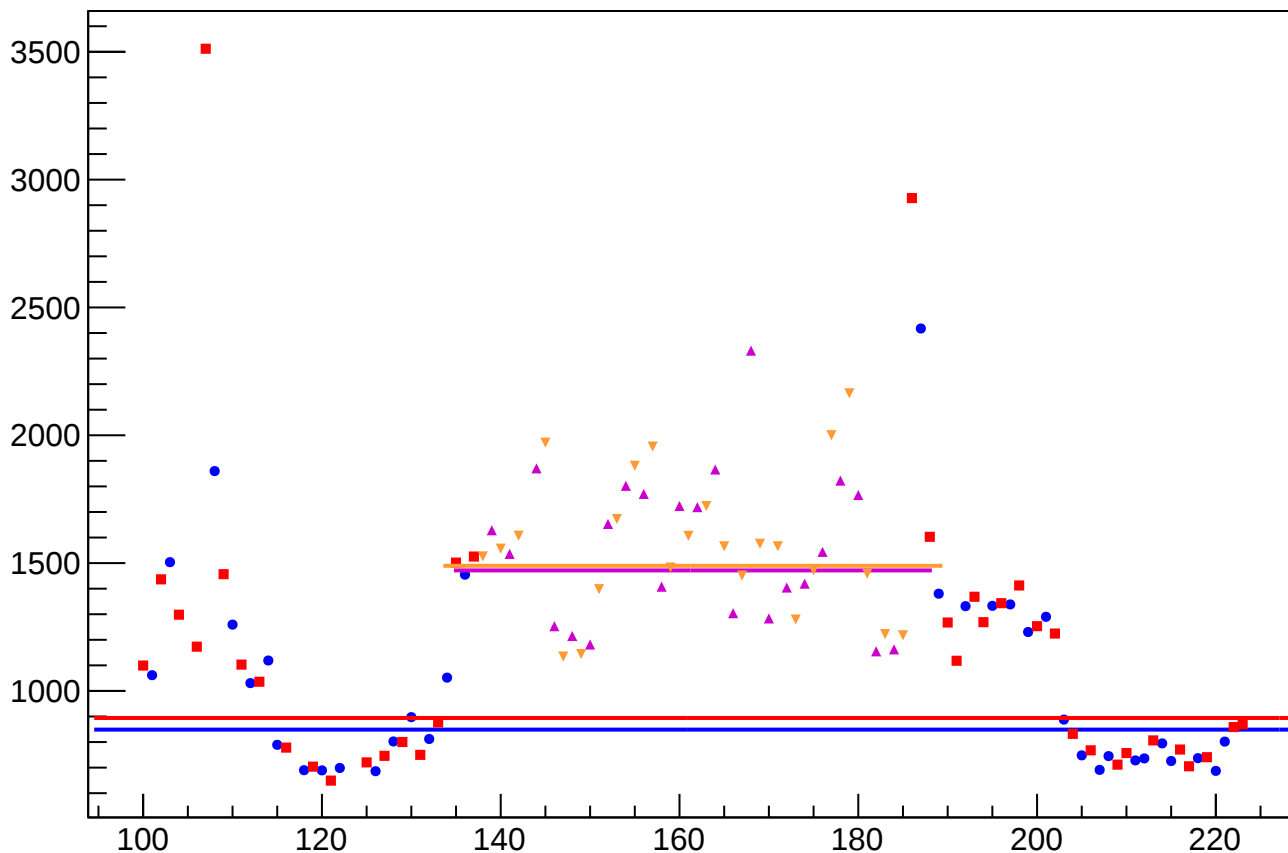
Left In: -65.738+/-358.785 χ^2/NDF : 12.1/22

+ sign -1019.990+/-173.562 χ^2/NDF : 91.4/57

All: -1150.907+/-124.748 χ^2/NDF : 287.0/118

- sign -1290.817+/-179.425 χ^2/NDF : 194.4/60

asym_usl_correction_rms vs Slug



Right In: 848.701 $\pm$ 0.140 χ^2/NDF : 2725971.0/33

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

Right Out: 894.256 $\pm$ 0.147 χ^2/NDF : 3521480.2/37

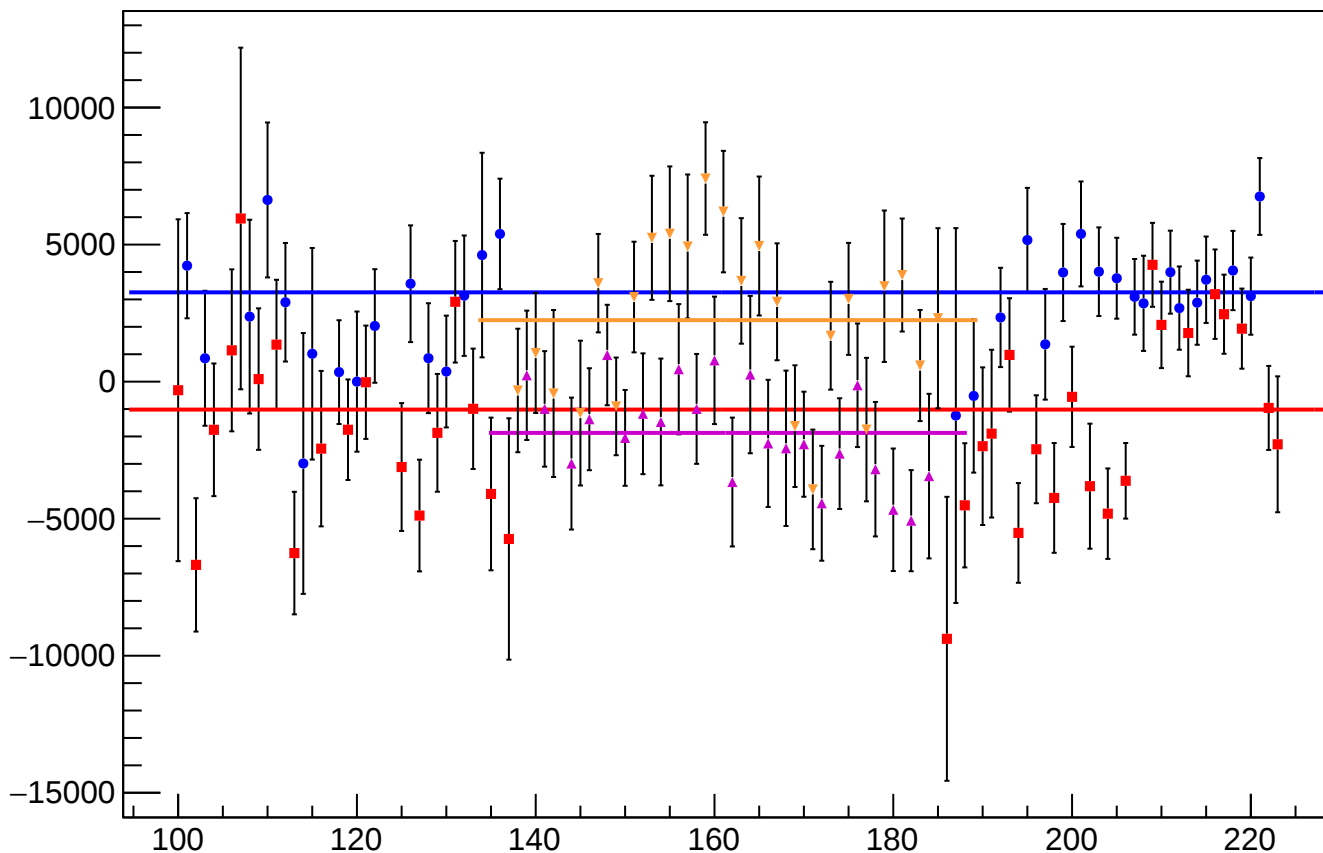
Left In: 1471.394 $\pm$ 0.254 χ^2/NDF : 1105310.5/22

+ sign 996.709 $\pm$ 0.123 χ^2/NDF : 8577727.2/57

All: 1016.955 $\pm$ 0.088 χ^2/NDF : 17141684.5/100

- sign 1038.592 $\pm$ 0.127 χ^2/NDF : 8507658.6/60

asym_usl_mean vs Slug



Right In: 3258.072 ± 327.589 χ^2/NDF : 27.1/33

Left Out: 2244.415 ± 456.474 χ^2/NDF : 38.6/23

Right Out: -1019.481 ± 334.238 χ^2/NDF : 86.3/37

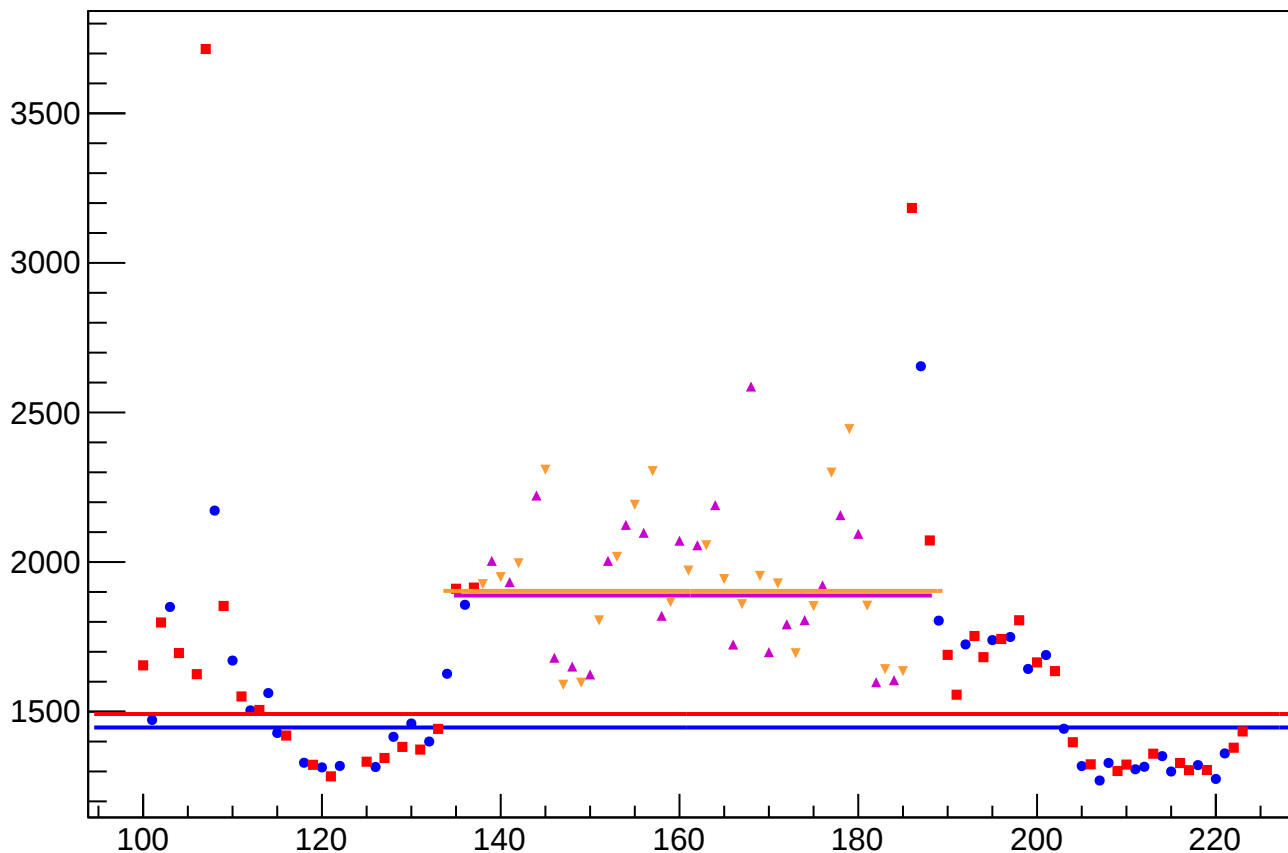
Left In: -1869.792 ± 455.465 χ^2/NDF : 14.9/22

+ sign 2913.486 ± 266.146 χ^2/NDF : 68.9/57

All: 824.412 ± 189.357 χ^2/NDF : 297.1/118

- sign -1317.111 ± 269.466 χ^2/NDF : 103.4/60

asym_usl_rms vs Slug



Right In: 1446.981 $\pm$ 0.232 χ^2 /NDF: 728198.3/33

Left Out: 1903.581 $\pm$ 0.323 χ^2 /NDF: 461788.9/23

Right Out: 1492.012 $\pm$ 0.236 χ^2 /NDF: 1198948.9/37

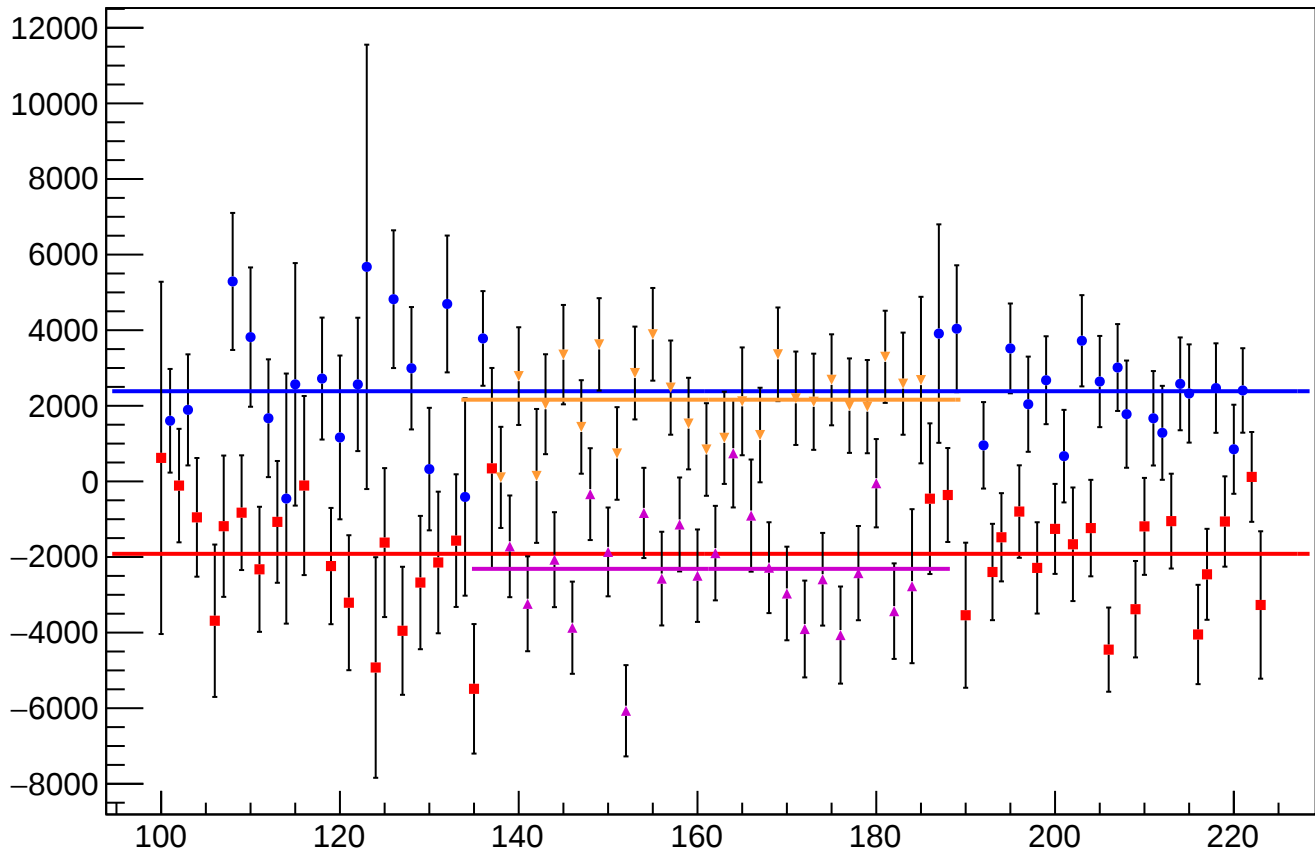
Left In: 1888.121 $\pm$ 0.322 χ^2 /NDF: 504568.6/22

+ sign 1602.199 $\pm$ 0.188 χ^2 /NDF: 2510822.0/57

All: 1616.253 $\pm$ 0.134 χ^2 /NDF: 5208845.9/11

- sign 1630.660 $\pm$ 0.191 χ^2 /NDF: 2686730.4/60

reg_asym_usr_mean vs Slug



Right In: 2385.700+/-244.802 χ^2/NDF : 23.2/34

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

Right Out: -1916.025+/-243.195 χ^2/NDF : 31.6/37

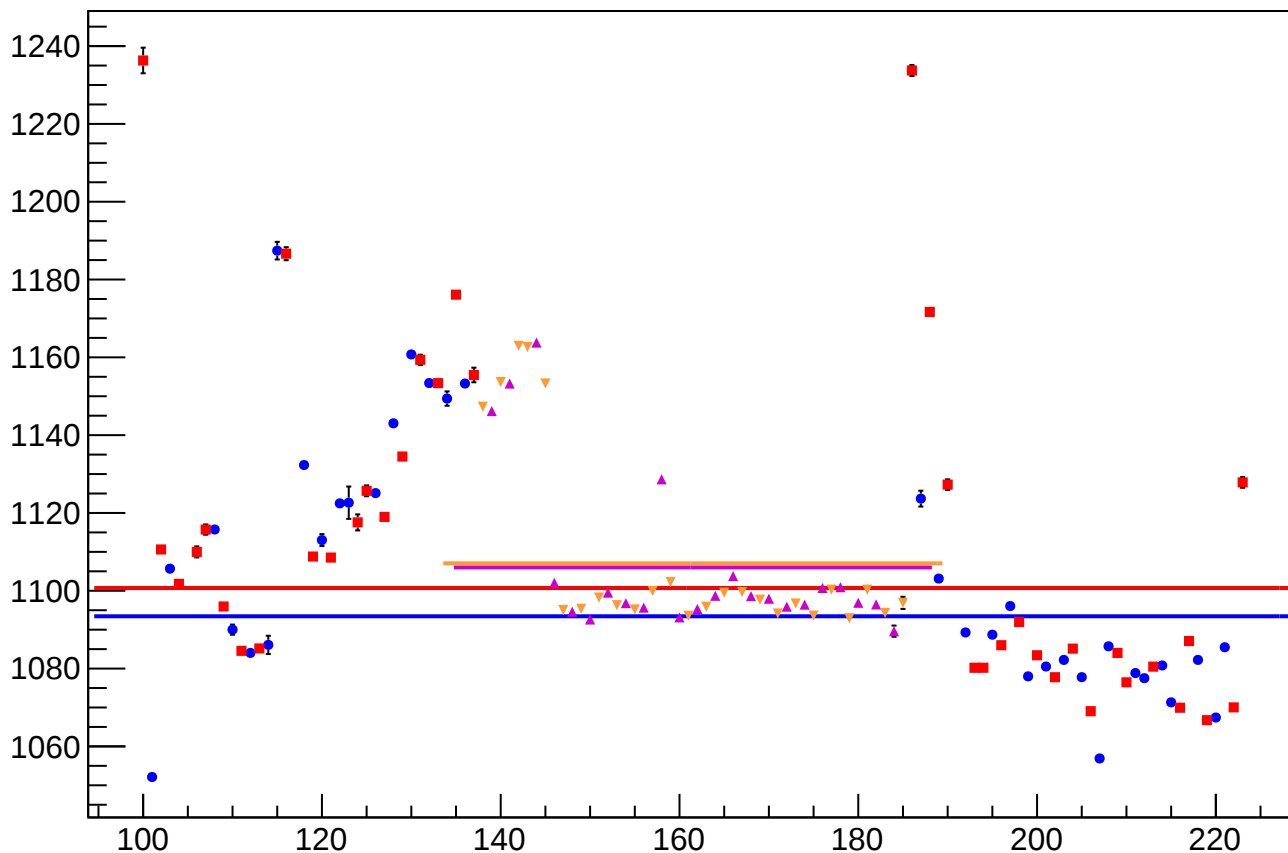
Left In: -2313.505+/-264.429 χ^2/NDF : 31.3/22

+ sign 2279.237+/-177.426 χ^2/NDF : 38.7/59

All: 109.883+/-126.013 χ^2/NDF : 404.5/120

- sign -2098.167+/-179.002 χ^2/NDF : 64.1/60

reg_asym_usr_rms vs Slug



Right In: 1093.445 $\pm$ 0.173 χ^2 /NDF: 25756.9/34

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

Right Out: 1100.712 $\pm$ 0.172 χ^2 /NDF: 41327.0/37

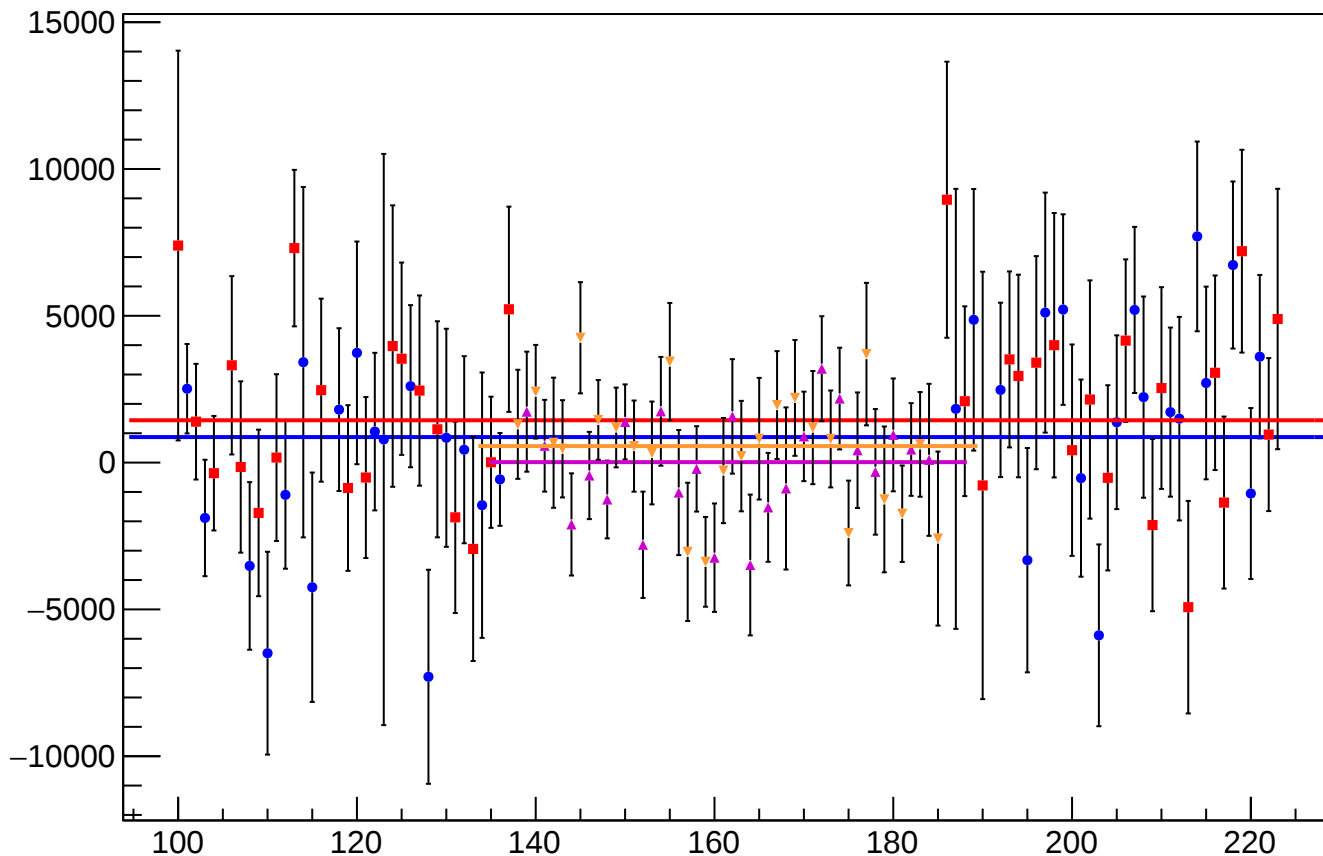
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1099.906 $\pm$ 0.125 χ^2 /NDF: 43867.9/59

All: 1101.506 $\pm$ 0.089 χ^2 /NDF: 97506.9/120

- sign 1103.133 $\pm$ 0.127 χ^2 /NDF: 53311.1/60

asym_usr_correction_mean vs Slug



Right In: 869.327 ± 499.707 $\chi^2/\text{NDF}: 42.9/34$

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

Right Out: 1441.538 ± 507.187 $\chi^2/\text{NDF}: 29.3/37$

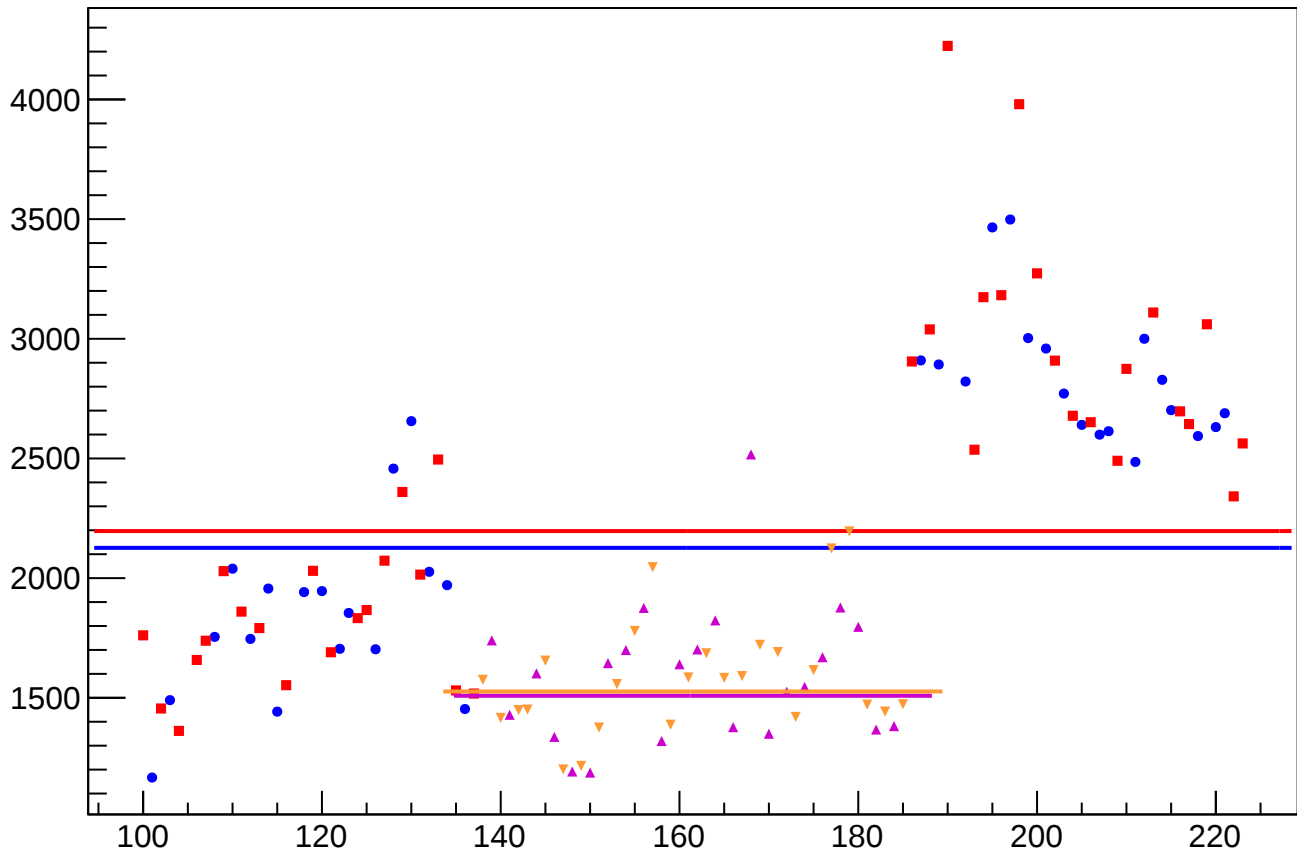
Left In: 15.520 ± 366.854 $\chi^2/\text{NDF}: 20.1/22$

+ sign 668.195 ± 292.575 $\chi^2/\text{NDF}: 69.9/59$

All: 588.051 ± 208.514 $\chi^2/\text{NDF}: 124.7/120$

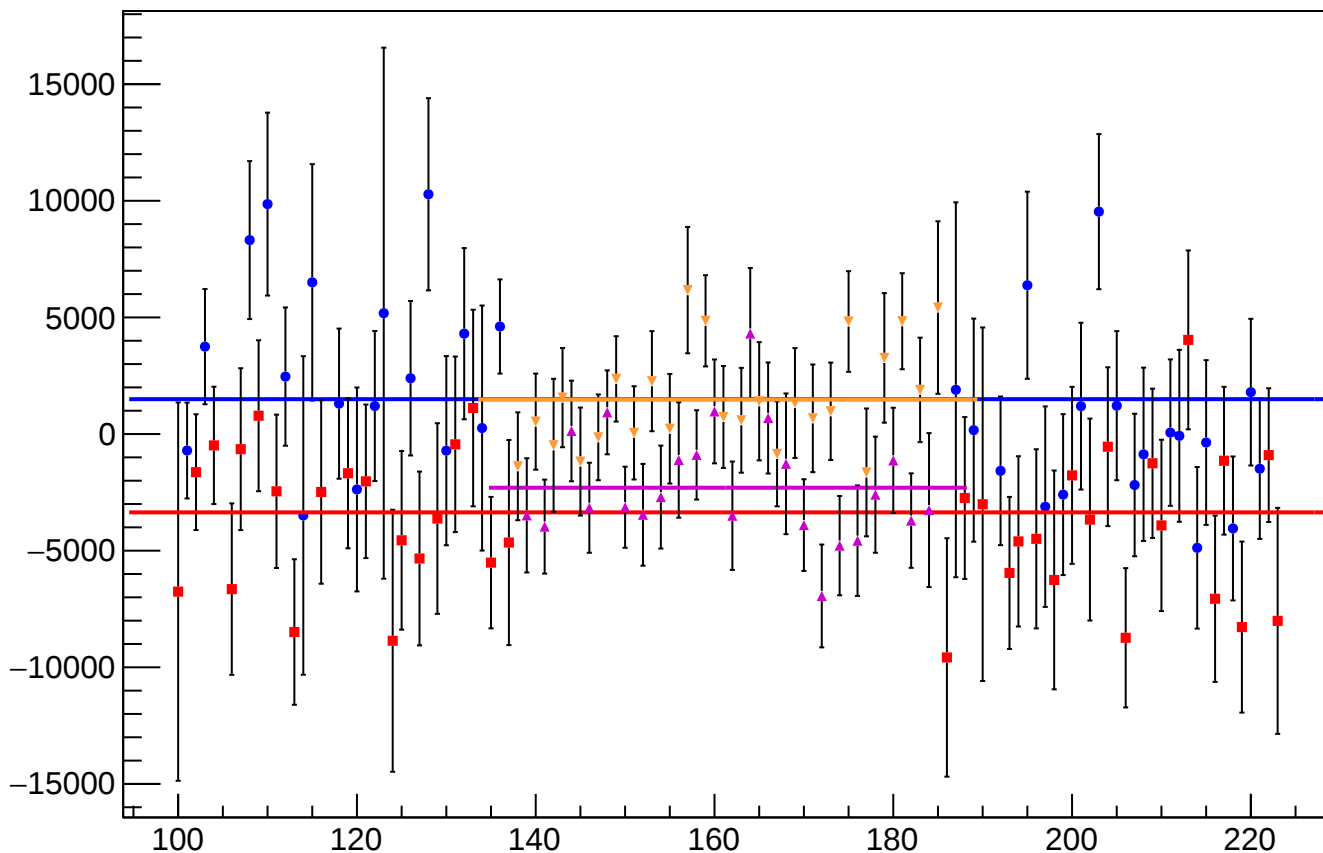
- sign 505.327 ± 297.247 $\chi^2/\text{NDF}: 54.6/60$

asym_usr_correction_rms vs Slug



Right In: 2126.498 $\pm$ 0.353 χ^2/NDF : 3363032.6/34 + sign 1732.109 $\pm$ 0.207 χ^2/NDF : 6012372.1/59
 Left Out: 1526.391 $\pm$ 0.255 χ^2/NDF : 753714.4/24 All: 1738.431 $\pm$ 0.147 χ^2/NDF : 12473592.7/1
 Right Out: 2196.761 $\pm$ 0.359 χ^2/NDF : 3110246.4/37 - sign 1744.956 $\pm$ 0.210 χ^2/NDF : 6459322.8/60
 Left In: 1508.581 $\pm$ 0.259 χ^2/NDF : 931684.8/22

asym_usr_mean vs Slug



Right In: 1495.104+/-576.730 χ^2/NDF : 42.1/34

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

Right Out: -3357.720+/-579.971 χ^2/NDF : 28.1/37

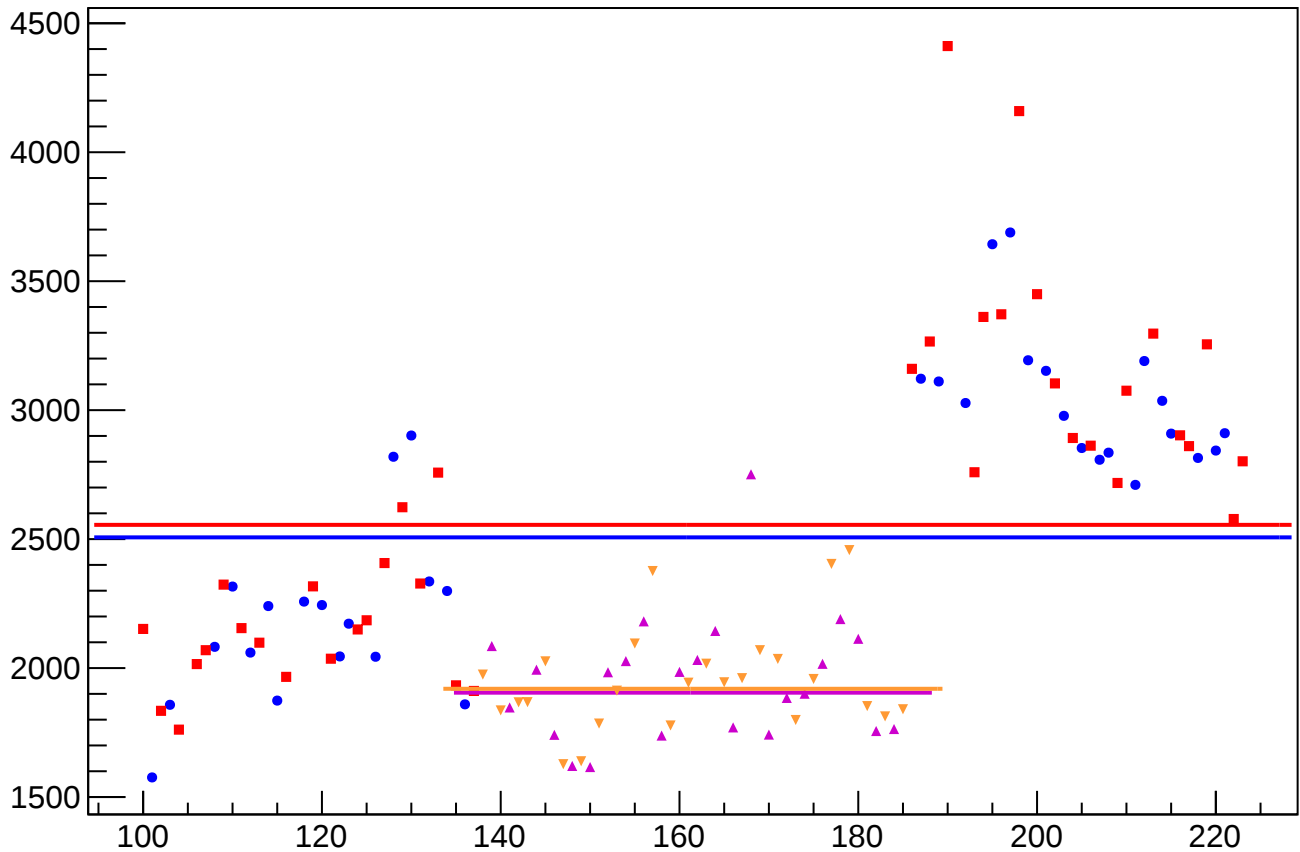
Left In: -2301.247+/-459.040 χ^2/NDF : 24.8/22

+ sign 1487.186+/-354.773 χ^2/NDF : 63.0/59

All: -580.162+/-252.669 χ^2/NDF : 186.8/120

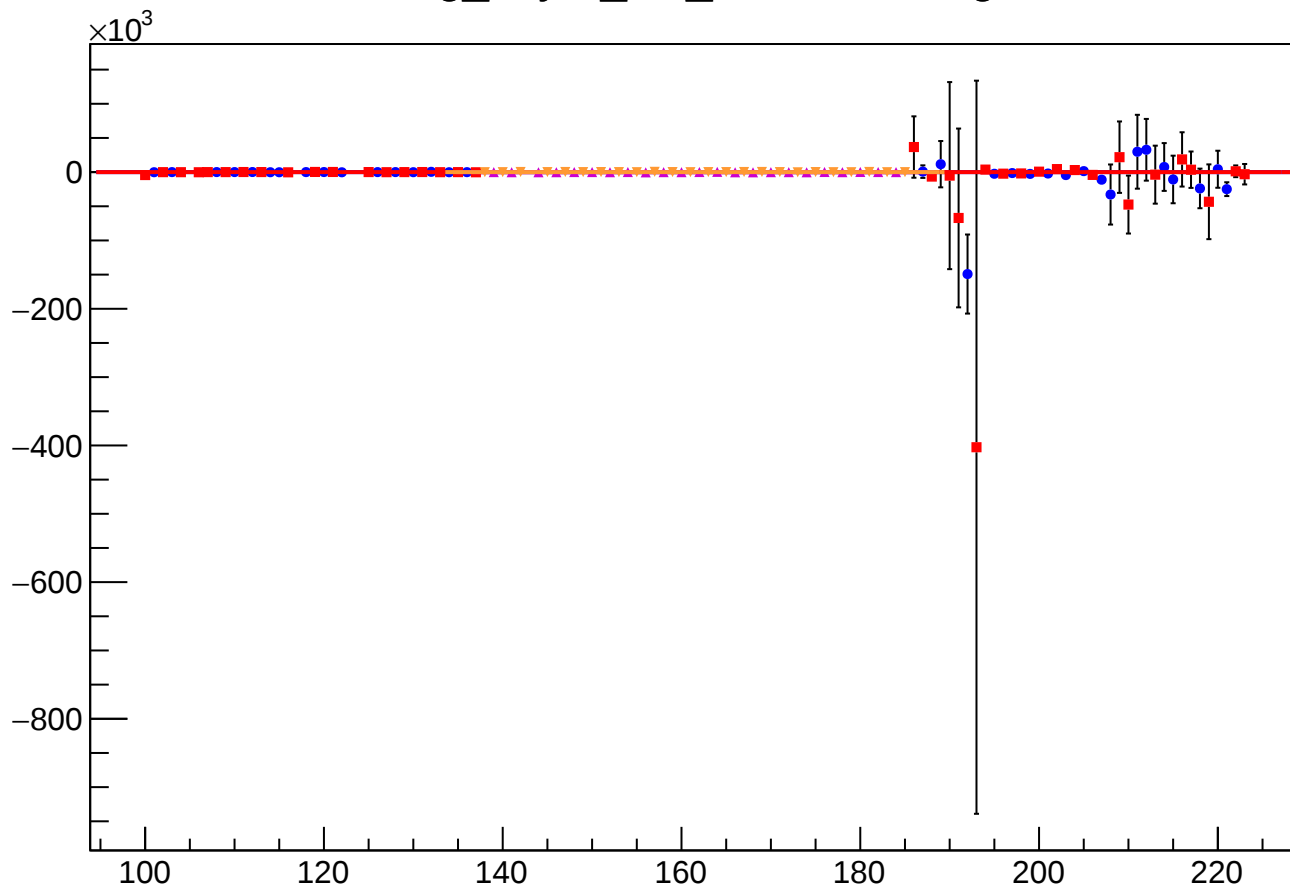
- sign -2708.164+/-359.940 χ^2/NDF : 54.9/60

asym_usr_rms vs Slug



Right In: 2506.765+/-0.408	χ^2/NDF : 1889748.4/34	+ sign 2141.867+/-0.251	χ^2/NDF : 3543972.4/59
Left Out: 1919.732+/-0.318	χ^2/NDF : 366218.1/24	All: 2148.455+/-0.179	χ^2/NDF : 7450846.8/12
Right Out: 2555.278+/-0.410	χ^2/NDF : 1910485.9/37	- sign 2155.236+/-0.255	χ^2/NDF : 3905475.0/60
Left In: 1904.629+/-0.325	χ^2/NDF : 447350.7/22		

reg_asym_dsl_mean vs Slug



Right In: -2.708 ± 36.762 χ^2/NDF : 39.8/33

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

Right Out: -1.851 ± 36.747 χ^2/NDF : 21.8/37

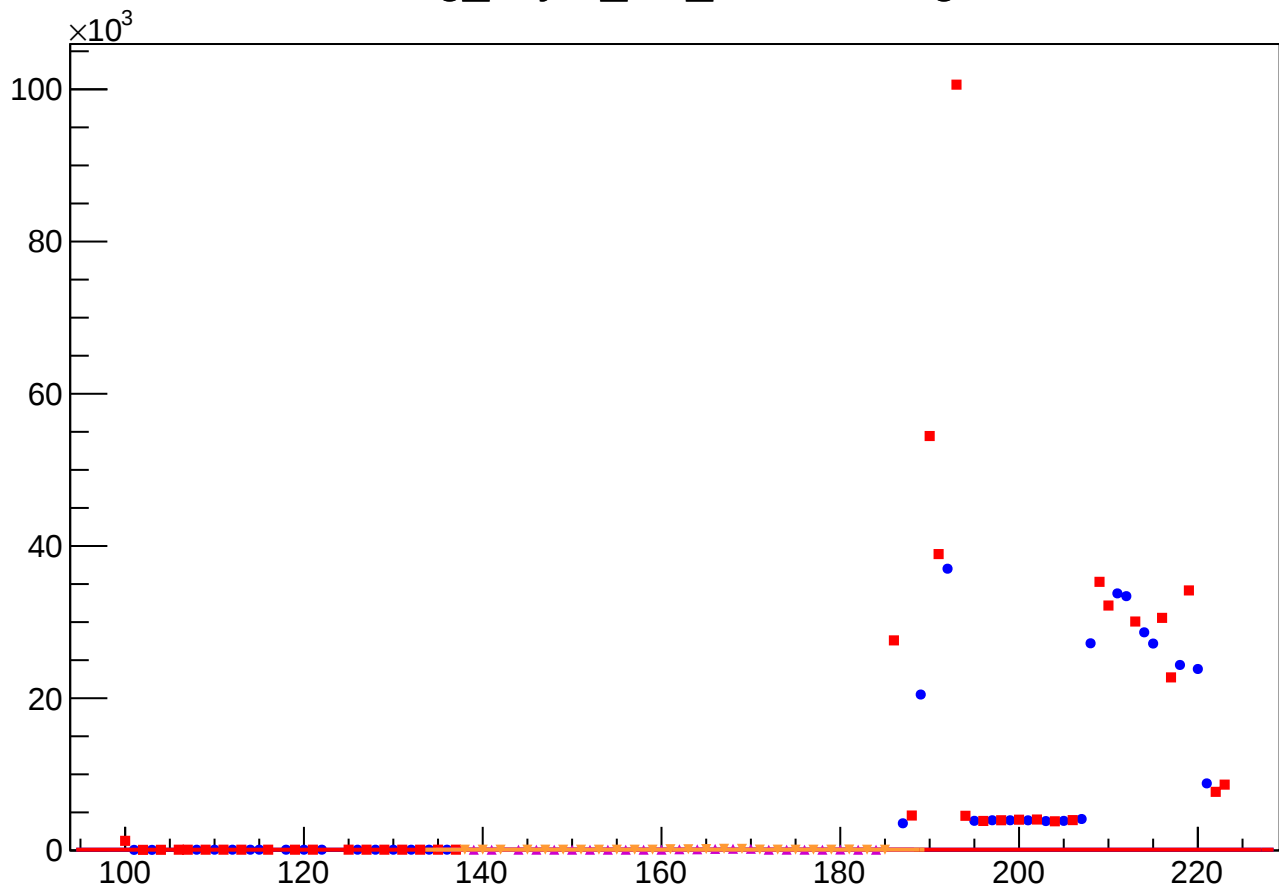
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.203 ± 21.368 χ^2/NDF : 75.8/57

All: -4.875 ± 15.124 χ^2/NDF : 134.9/118

- sign -17.000 ± 21.410 χ^2/NDF : 58.5/60

reg_asym_dsl_rms vs Slug



Right In: 96.353+/-0.026 χ^2/NDF : 22441467.9/33

Left Out: 108.059+/-0.019 χ^2/NDF : 1434979.3/23

Right Out: 98.569+/-0.026 χ^2/NDF : 21190061.2/37

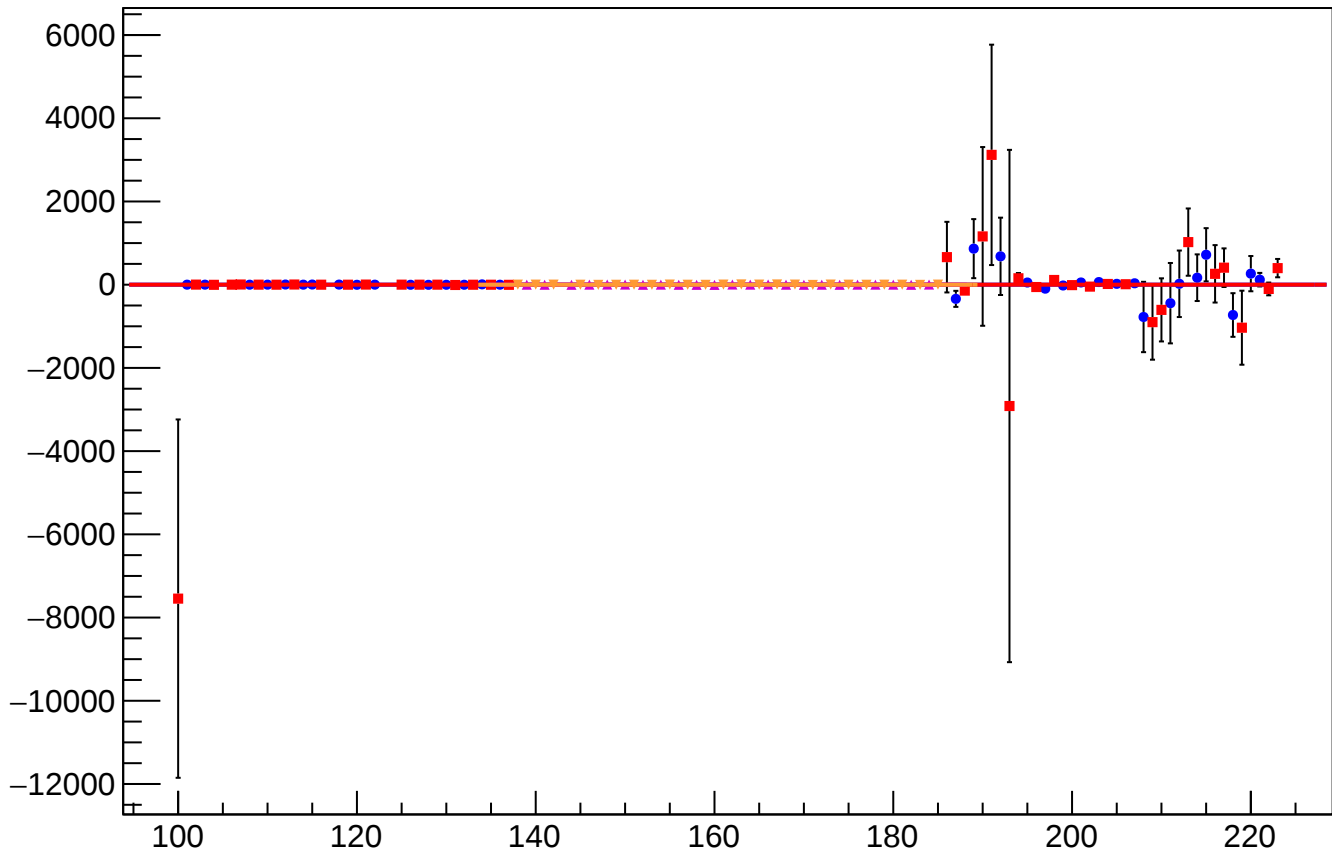
Left In: 107.672+/-0.019 χ^2/NDF : 1491034.7/22

+ sign 104.104+/-0.015 χ^2/NDF : 24010741.5/57

All: 104.343+/-0.011 χ^2/NDF : 46773419.0/11

- sign 104.582+/-0.015 χ^2/NDF : 22762178.5/60

asym_dsl_correction_mean vs Slug



Right In: 0.399 ± 0.617 χ^2/NDF : 24.7/33

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

Right Out: 0.348 ± 0.644 χ^2/NDF : 38.9/37

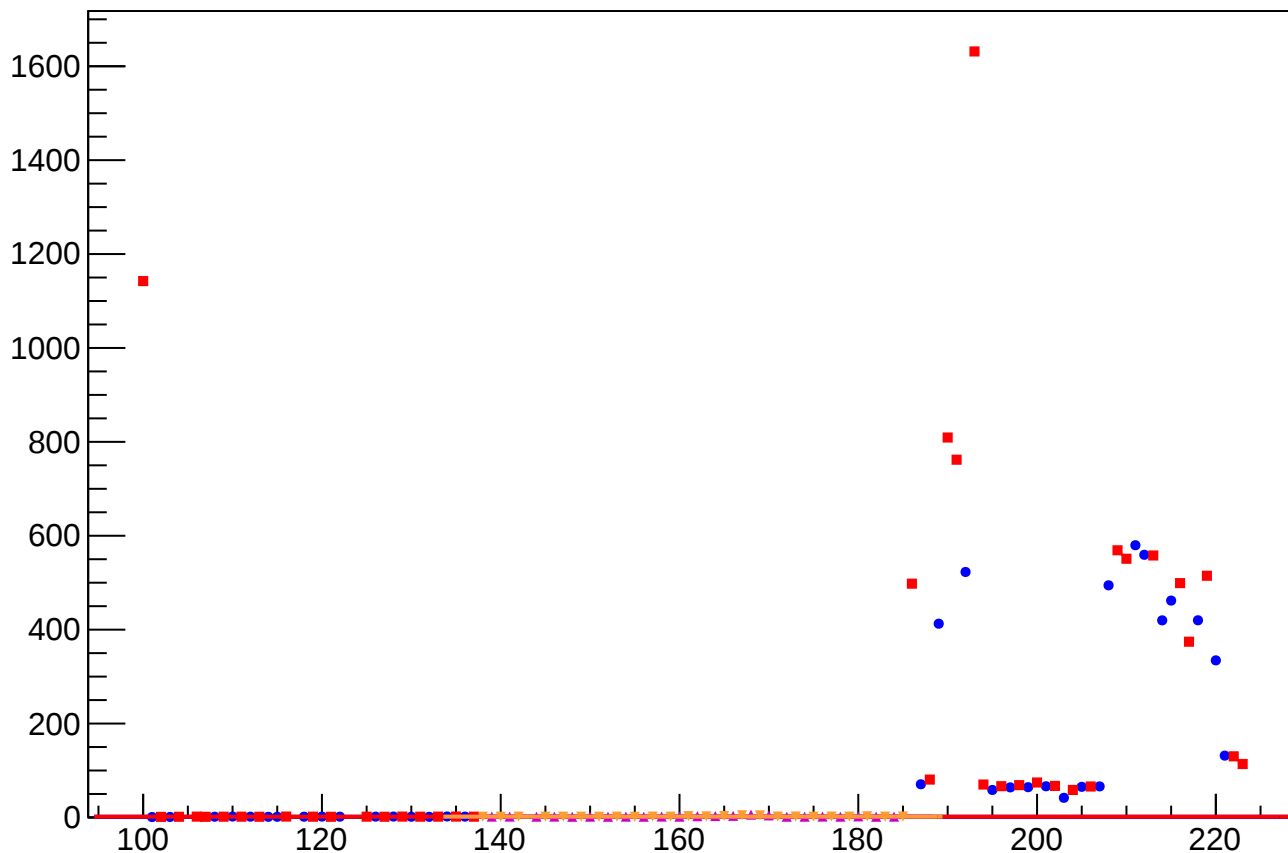
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

+ sign -0.187 ± 0.376 χ^2/NDF : 56.7/57

All: -0.014 ± 0.270 χ^2/NDF : 121.1/118

- sign 0.169 ± 0.387 χ^2/NDF : 64.0/60

asym_dsl_correction_rms vs Slug



Right In: 1.455+/-0.000 χ^2/NDF : 19399321.0/33

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

Right Out: 1.590+/-0.000 χ^2/NDF : 18651650.7/37

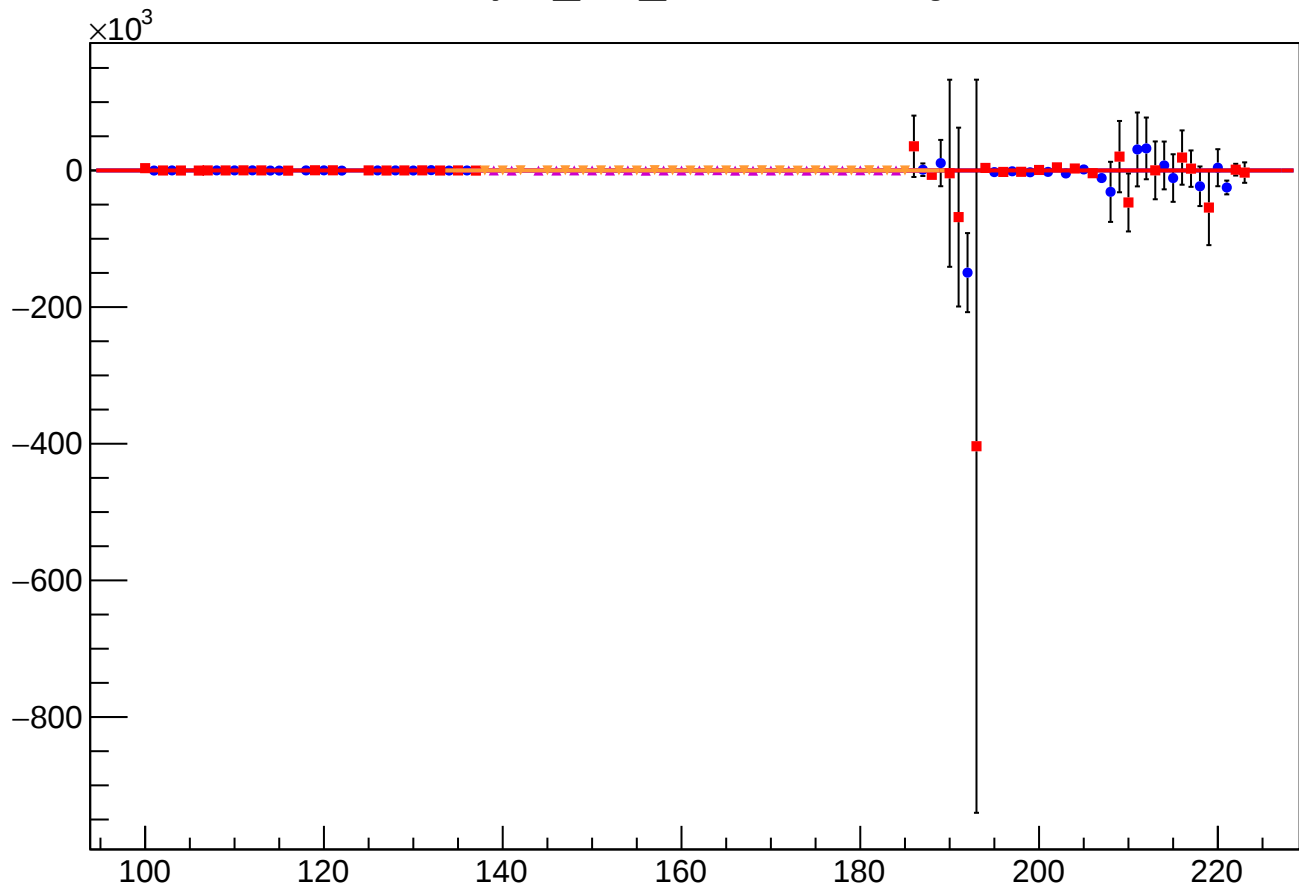
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.653+/-0.000 χ^2/NDF : 21329932.9/57

All: 1.688+/-0.000 χ^2/NDF : 42077769.3/118

- sign 1.726+/-0.000 χ^2/NDF : 20712099.4/60

asym_dsl_mean vs Slug



Right In: -2.421 ± 36.771 χ^2/NDF : 40.0/33

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

Right Out: -1.622 ± 36.757 χ^2/NDF : 21.5/37

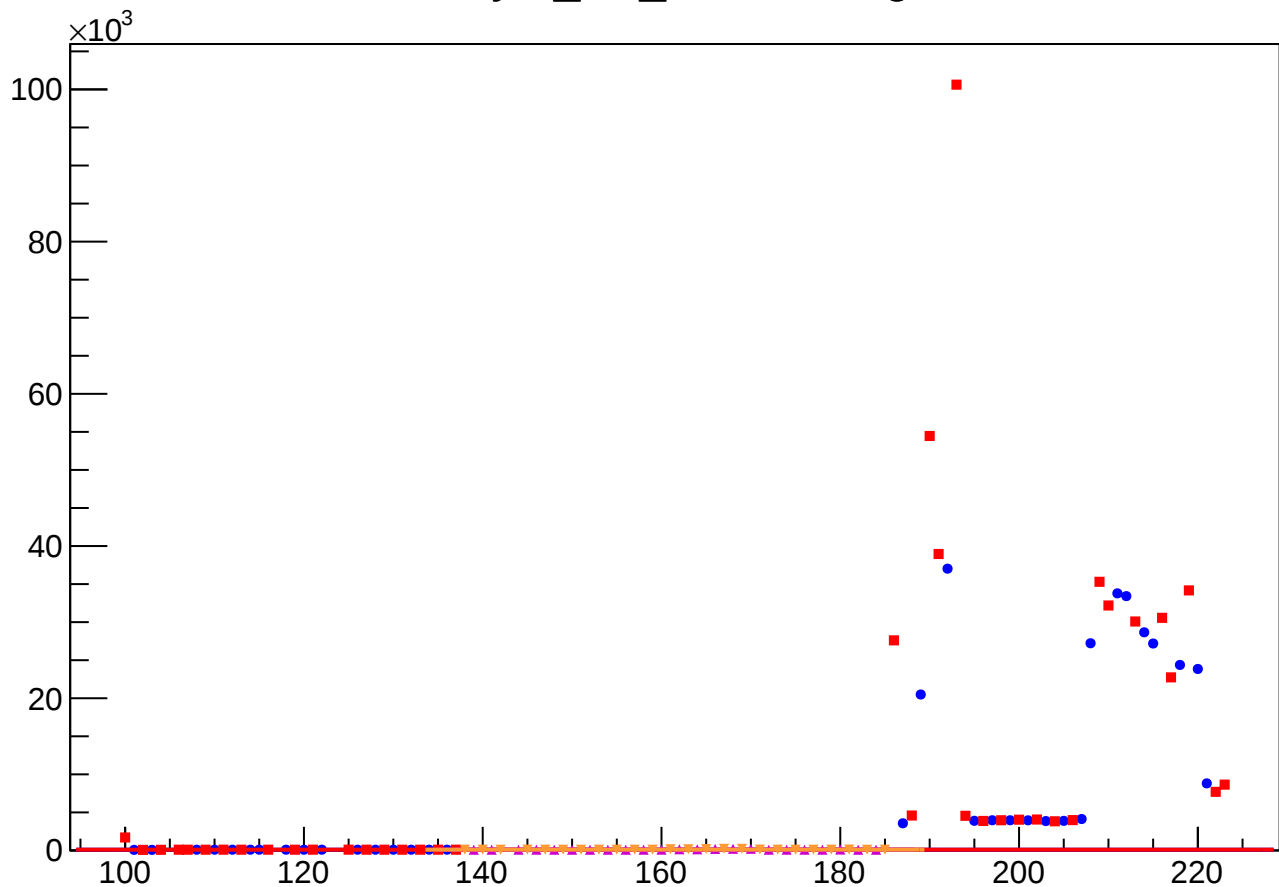
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 7.755 ± 21.374 χ^2/NDF : 75.9/57

All: -4.733 ± 15.129 χ^2/NDF : 134.1/118

- sign -17.270 ± 21.416 χ^2/NDF : 57.5/60

asym_dsl_rms vs Slug



Right In: 96.378 $\pm$ 0.026 χ^2 /NDF: 22441437.0/33

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

Right Out: 98.578 $\pm$ 0.026 χ^2 /NDF: 21195363.3/37

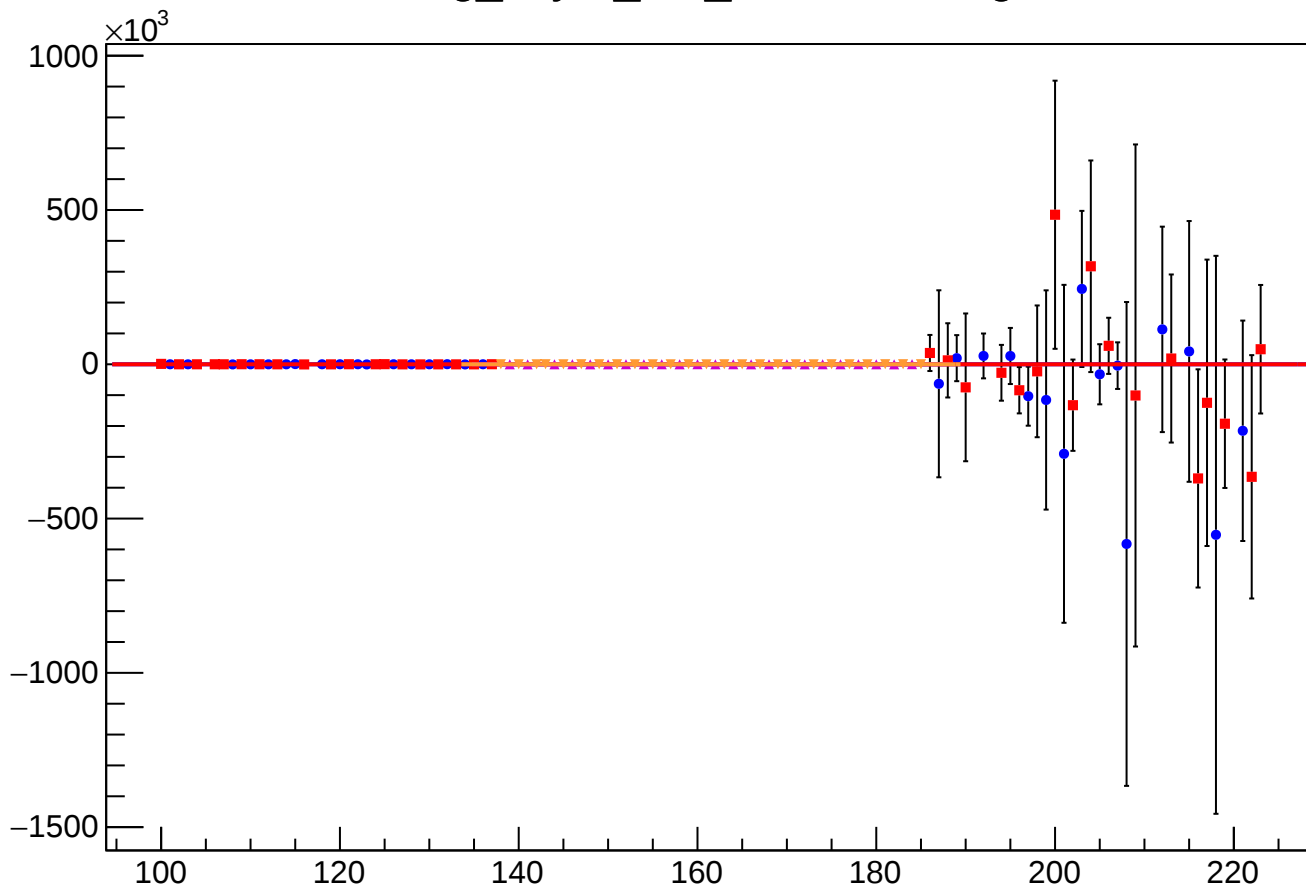
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 104.133 $\pm$ 0.015 χ^2 /NDF: 24012163.3/57

All: 104.369 $\pm$ 0.011 χ^2 /NDF: 46781769.3/11

- sign 104.605 $\pm$ 0.015 χ^2 /NDF: 22769118.1/60

reg_asym_dsr_mean vs Slug



Right In: -26.807 ± 46.841 χ^2/NDF : 18.8/31

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

Right Out: -53.410 ± 47.775 χ^2/NDF : 23.6/35

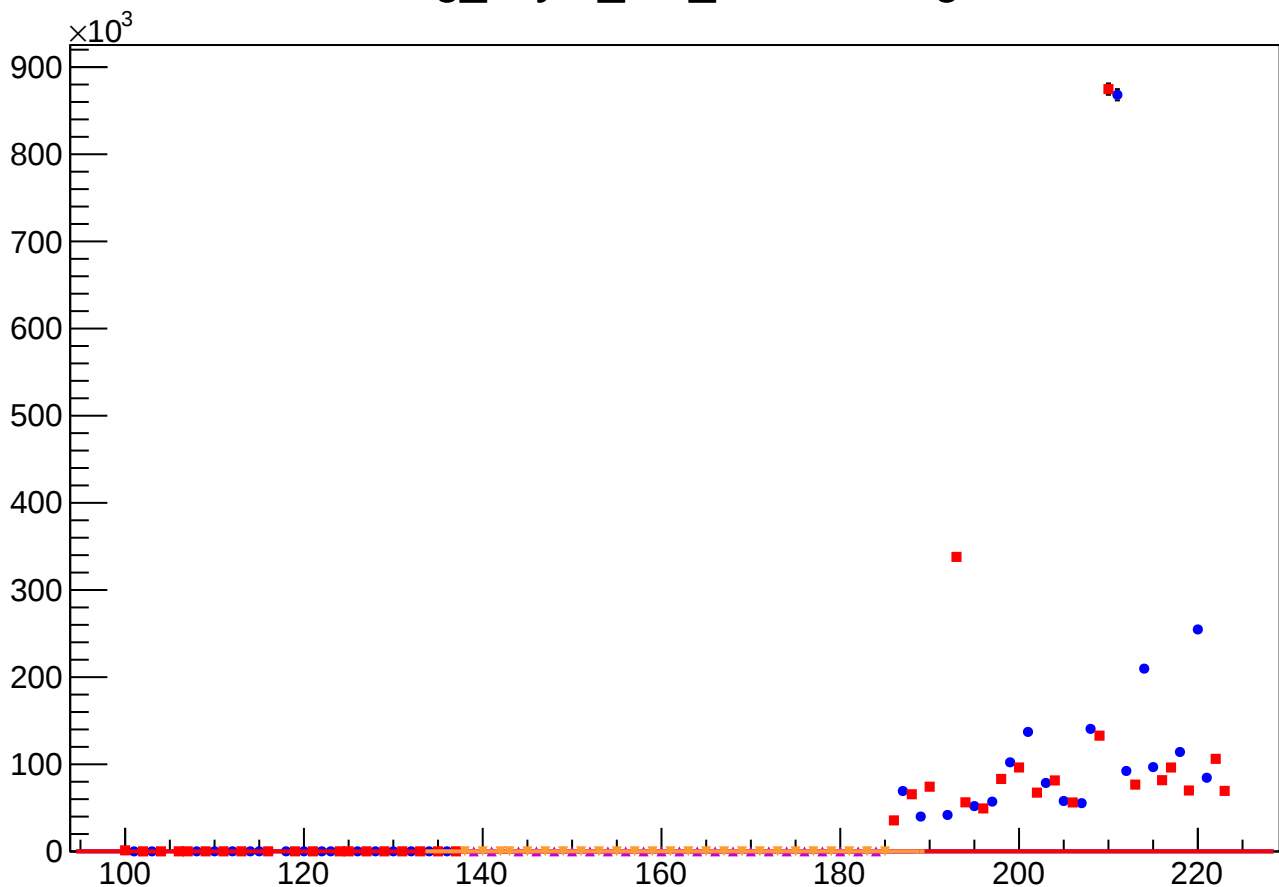
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.289 ± 26.458 χ^2/NDF : 30.8/56

All: 4.341 ± 18.939 χ^2/NDF : 79.2/115

- sign 27.068 ± 27.121 χ^2/NDF : 47.0/58

reg_asym_dsr_rms vs Slug



Right In: 117.886 $\pm$ 0.033 χ^2 /NDF: 7285842.9/34

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

Right Out: 124.856 $\pm$ 0.034 χ^2 /NDF: 7519637.1/37

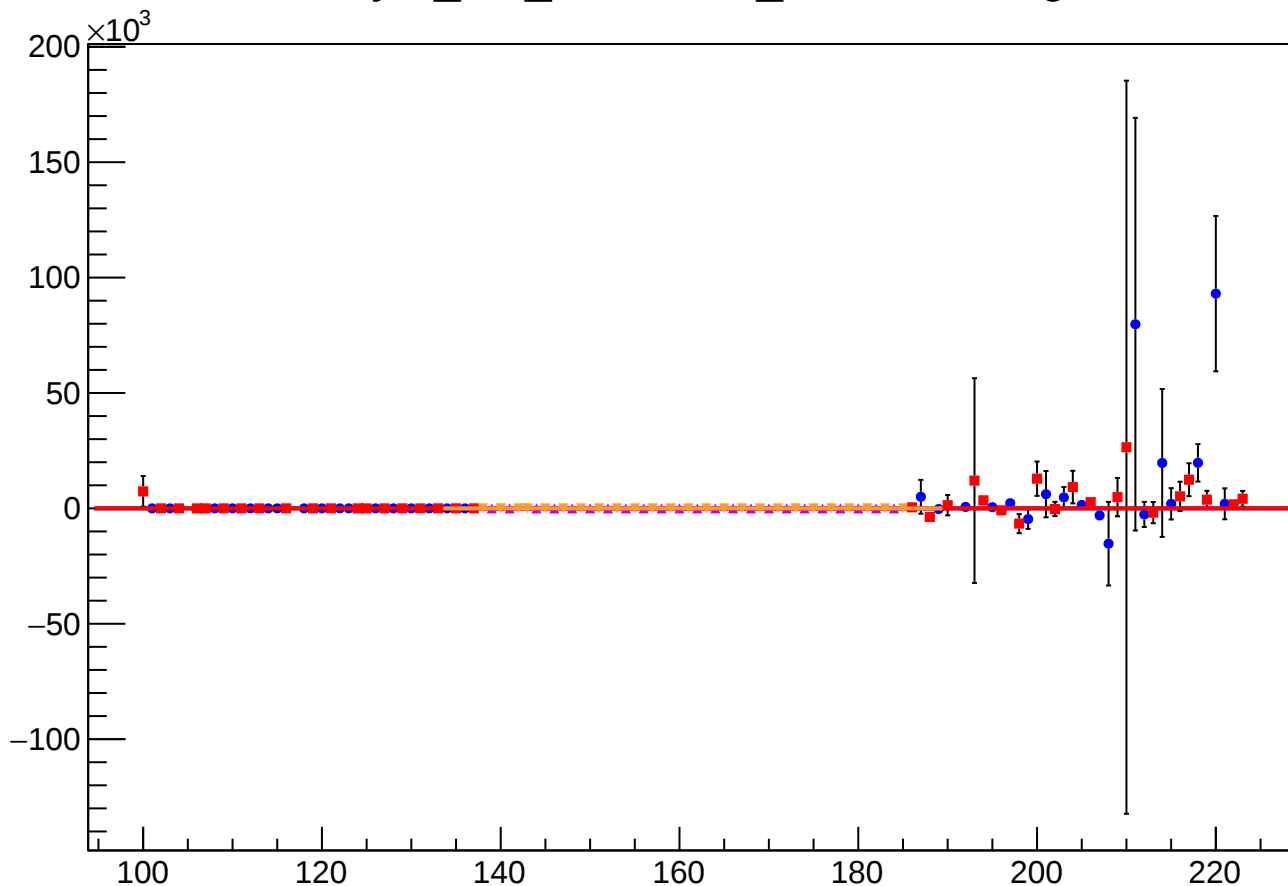
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.485 $\pm$ 0.019 χ^2 /NDF: 7533845.0/59

All: 132.532 $\pm$ 0.013 χ^2 /NDF: 15159937.8/12

- sign 133.631 $\pm$ 0.019 χ^2 /NDF: 7619672.6/60

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 39.1/34

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

Right Out: 0.640 ± 0.852 χ^2/NDF : 39.5/37

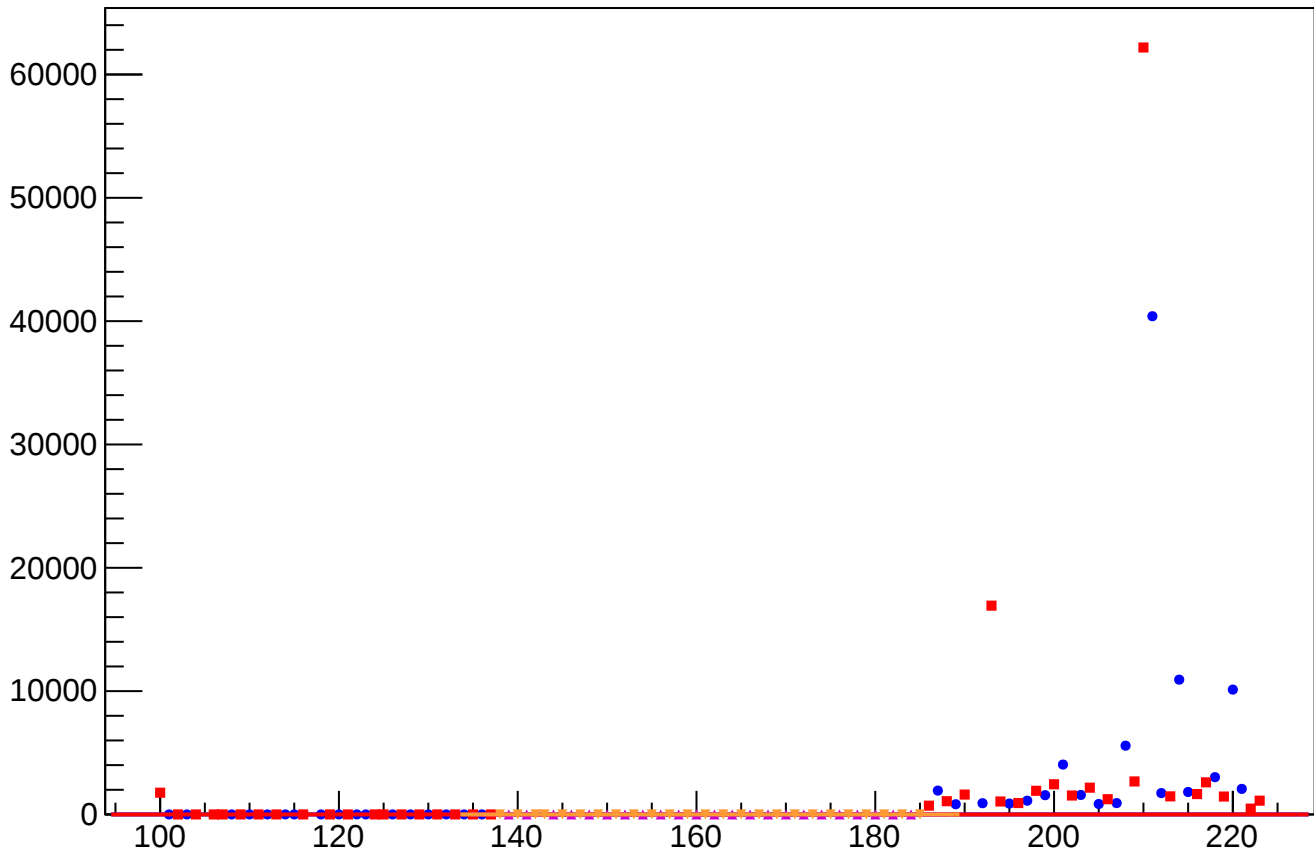
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 69.6/59

All: 0.047 ± 0.334 χ^2/NDF : 130.6/120

- sign 0.004 ± 0.479 χ^2/NDF : 61.0/60

asym_dsr_correction_rms vs Slug



Right In: 1.867 $\pm$ 0.001 χ^2 /NDF: 7459363.2/34

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

Right Out: 2.066 $\pm$ 0.001 χ^2 /NDF: 7786615.8/37

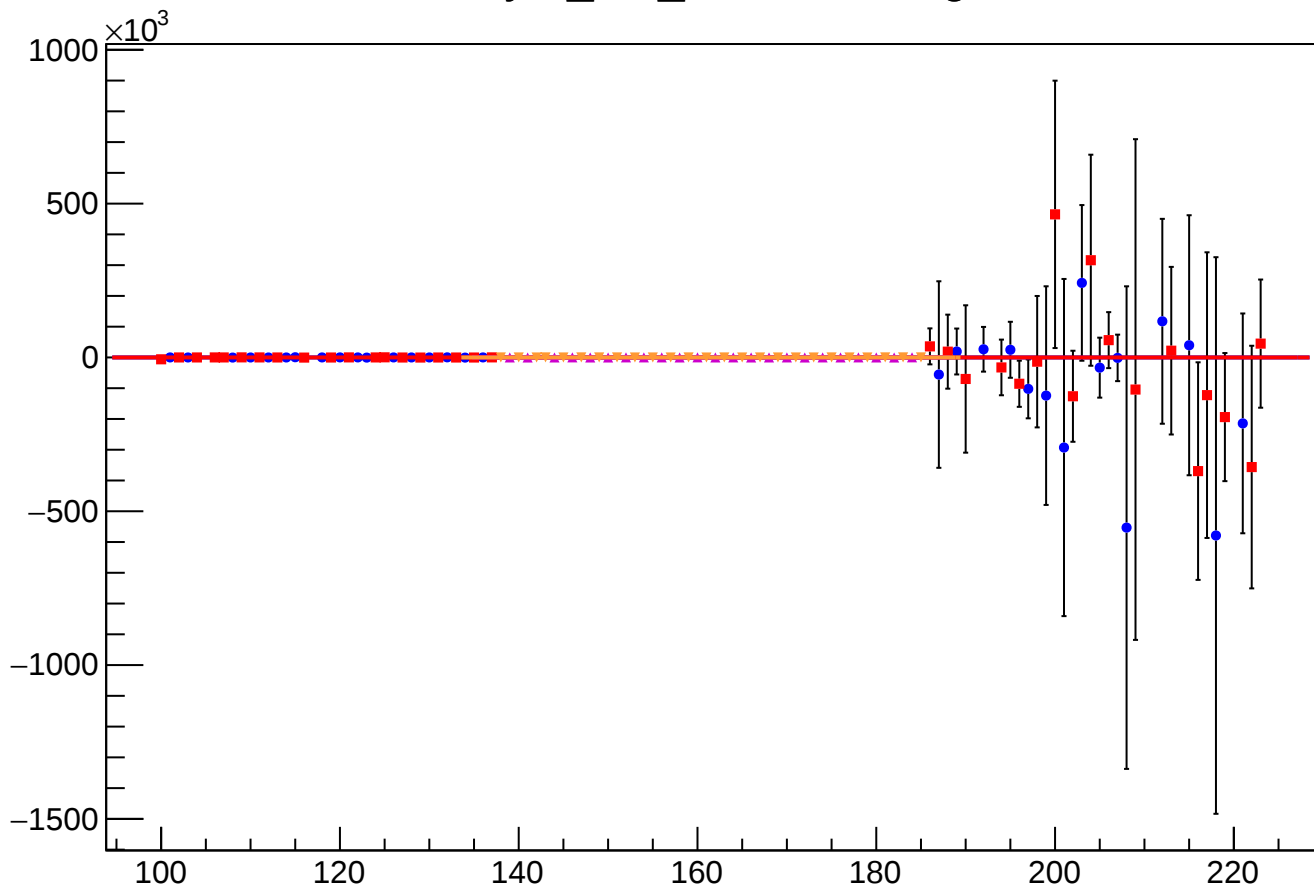
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF: 510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 8151384.6/59

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 16481662.4/120

- sign 2.153 $\pm$ 0.000 χ^2 /NDF: 8328061.6/60

asym_dsr_mean vs Slug



Right In: -25.068 ± 46.854 χ^2/NDF : 18.8/31

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

Right Out: -54.313 ± 47.789 χ^2/NDF : 24.0/35

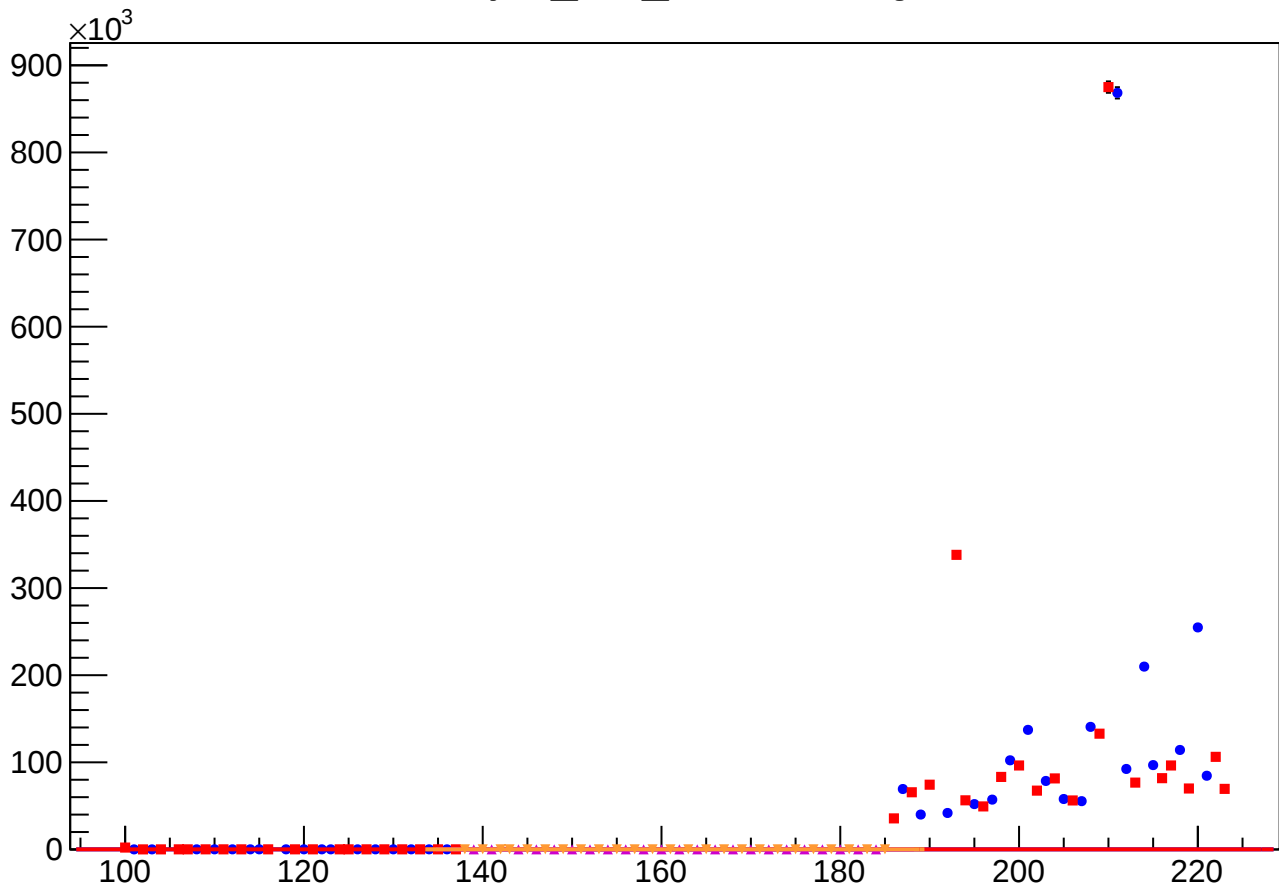
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.112 ± 26.465 χ^2/NDF : 30.6/56

All: 4.256 ± 18.944 χ^2/NDF : 79.6/115

- sign 26.708 ± 27.129 χ^2/NDF : 47.6/58

asym_dsr_rms vs Slug



Right In: 117.918 $\pm$ 0.033 χ^2 /NDF: 7286008.9/34

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

Right Out: 124.845 $\pm$ 0.034 χ^2 /NDF: 7530292.1/37

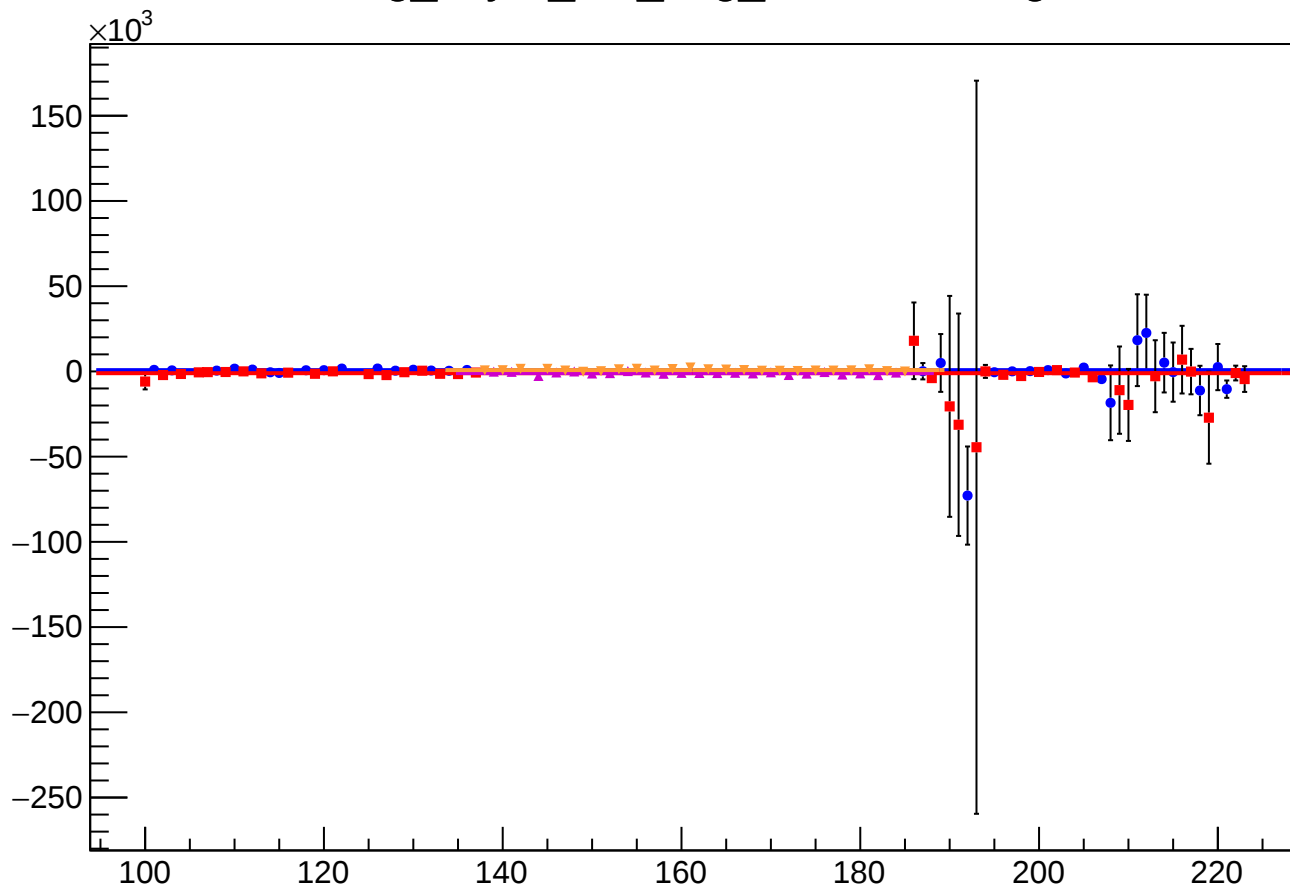
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF: 457.2/22

+ sign 131.521 $\pm$ 0.019 χ^2 /NDF: 7534042.3/59

All: 132.561 $\pm$ 0.013 χ^2 /NDF: 15171413.1/12

- sign 133.654 $\pm$ 0.019 χ^2 /NDF: 7631034.7/60

reg_asym_left_avg_mean vs Slug



Right In: 748.238 $\pm$ 209.598 χ^2 /NDF: 26.6/33

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

Right Out: -1042.539 $\pm$ 206.908 χ^2 /NDF: 20.9/37

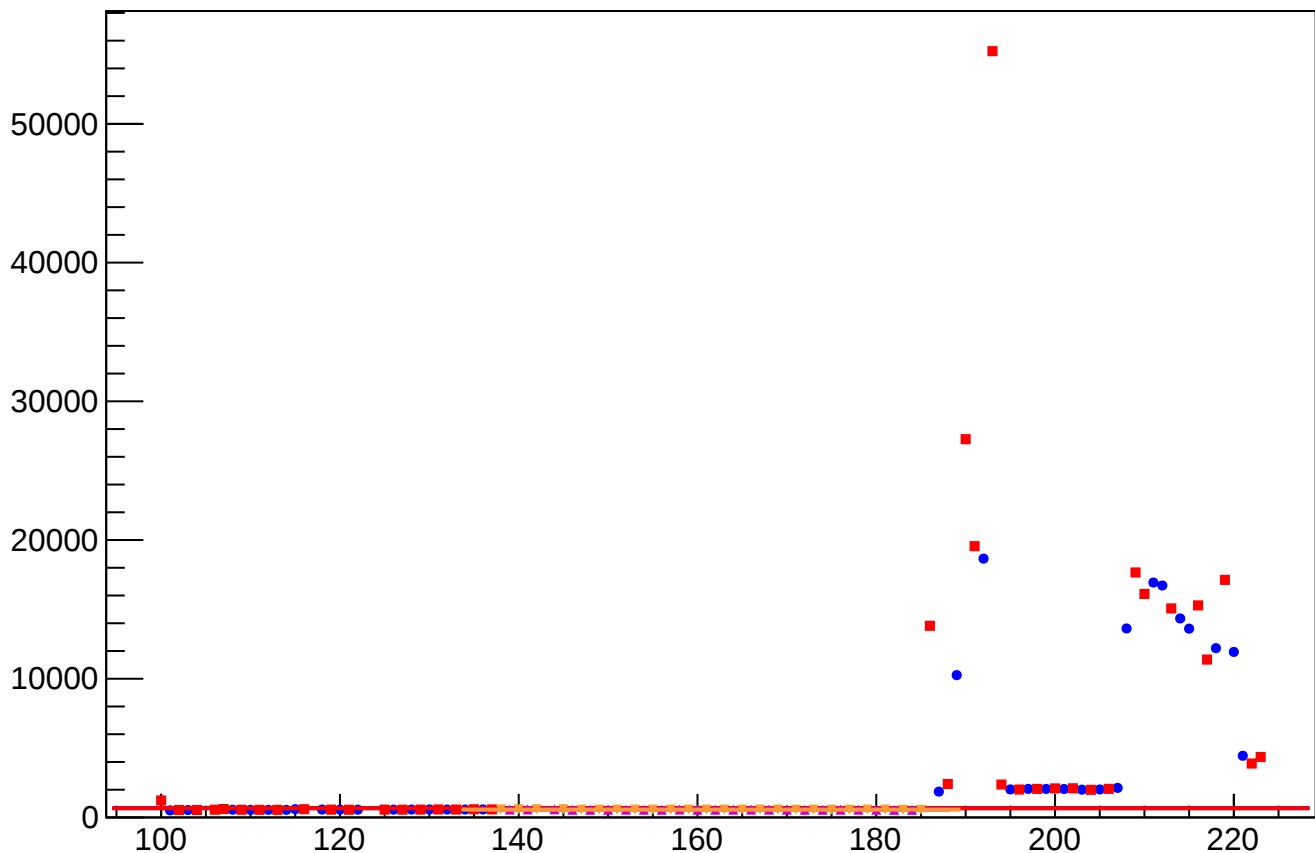
Left In: -974.402 $\pm$ 134.932 χ^2 /NDF:27.4/22

+ sign 773.881 $\pm$ 112.931 χ^2 /NDF: 45.8/57

All: -109.713 $\pm$ 79.887 χ^2 /NDF: 216.8/118

- sign -994.733 $\pm$ 113.022 χ^2 /NDF: 48.5/60

reg_asym_left_avg_rms vs Slug



Right In: 669.623 ± 0.148 $\chi^2/\text{NDF}: 15792765.1/33$

Left Out: 564.143 ± 0.095 $\chi^2/\text{NDF}: 9594.1/23$

Right Out: 668.341 ± 0.146 $\chi^2/\text{NDF}: 14794886.6/37$

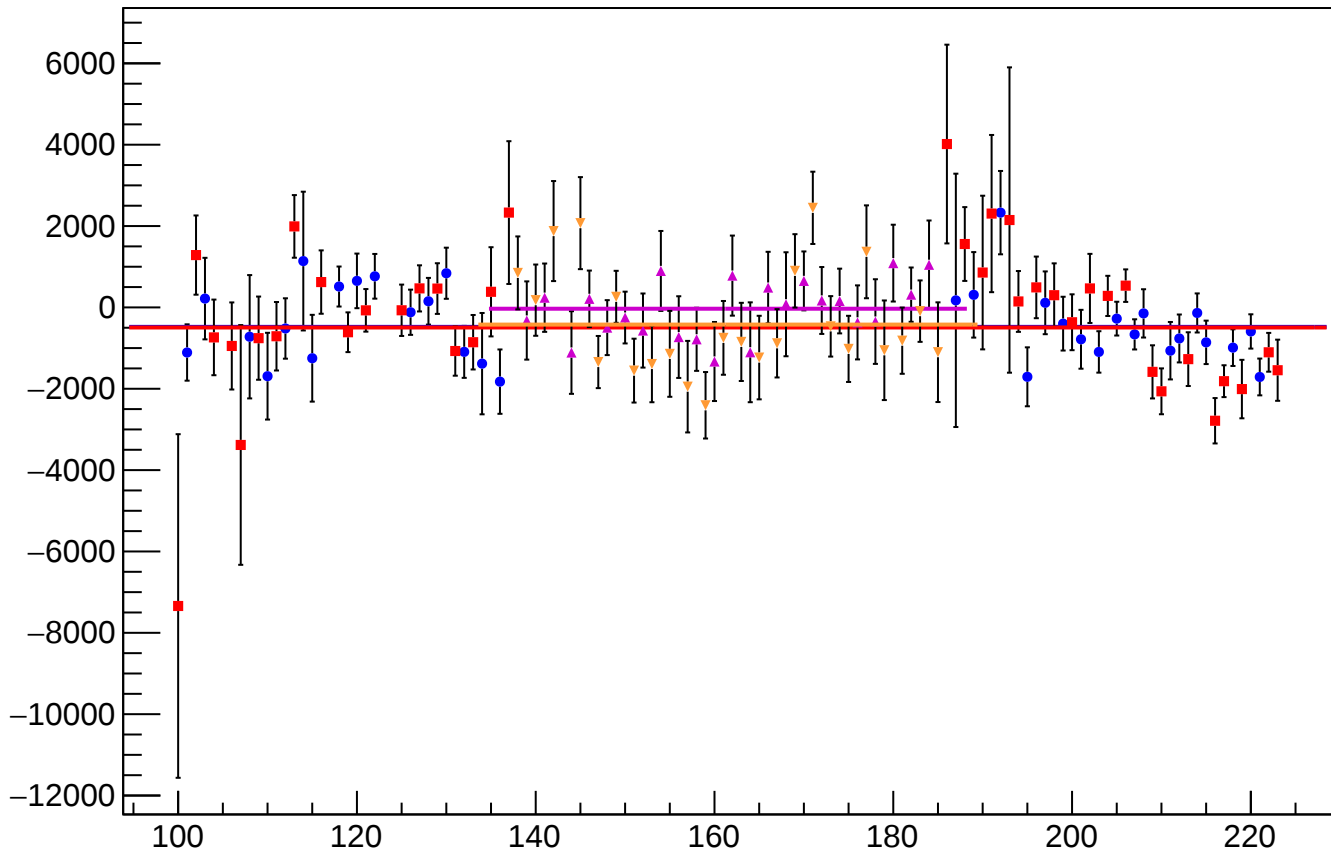
Left In: 564.383 ± 0.095 $\chi^2/\text{NDF}: 9209.5/22$

+ sign 594.765 ± 0.080 $\chi^2/\text{NDF}: 16161831.6/57$

All: 595.083 ± 0.056 $\chi^2/\text{NDF}: 31320190.7/111$

- sign 595.402 ± 0.080 $\chi^2/\text{NDF}: 15158327.3/60$

asym_left_avg_correction_mean vs Slug



Right In: -478.510 ± 106.431 χ^2/NDF : 51.2/33

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

Right Out: -493.616 ± 113.420 χ^2/NDF : 104.3/37

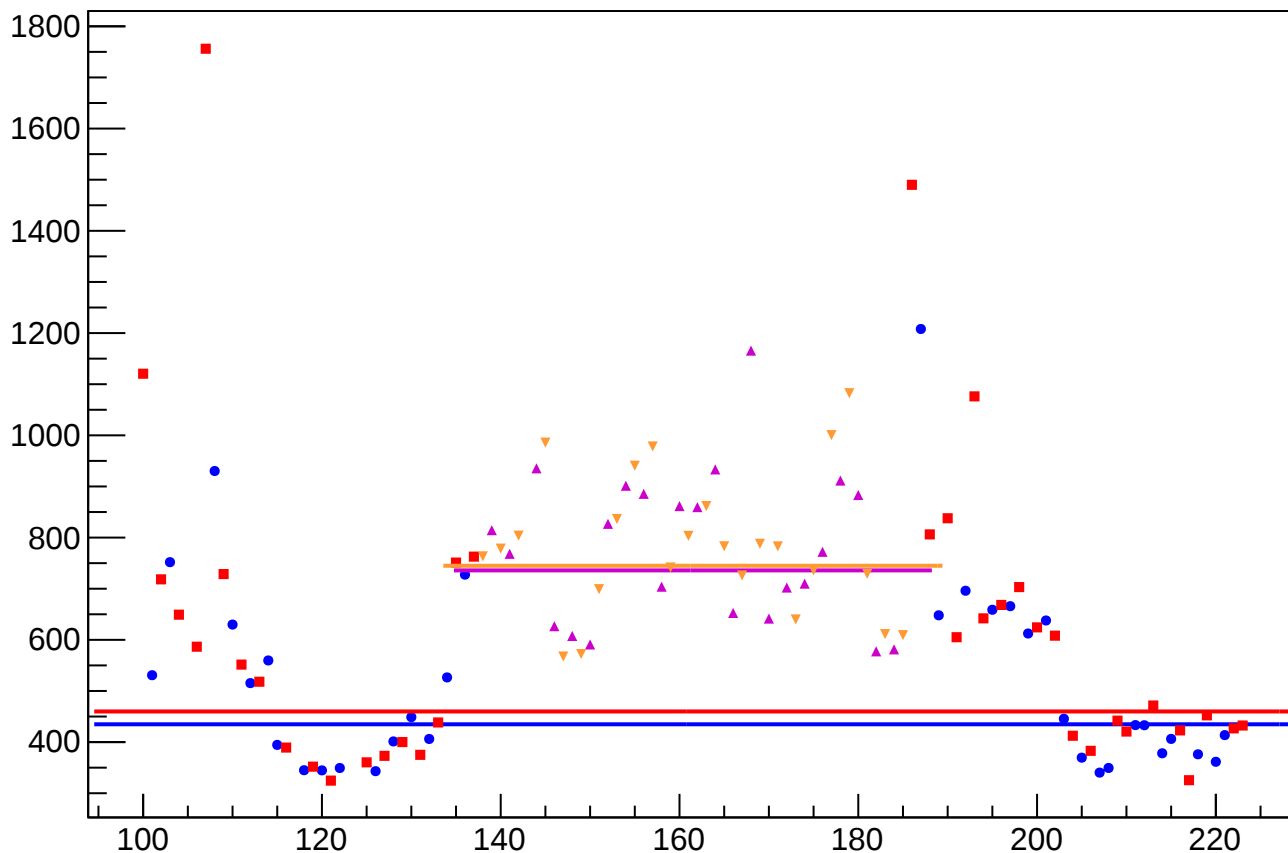
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -464.120 ± 91.694 χ^2/NDF : 94.5/57

All: -415.307 ± 66.265 χ^2/NDF : 216.3/118

- sign -361.945 ± 95.872 χ^2/NDF : 121.2/60

asym_left_avg_correction_rms vs Slug



Right In: 434.839 ± 0.075 $\chi^2/\text{NDF}: 2420148.3/33$

Left Out: 744.909 ± 0.128 $\chi^2/\text{NDF}: 1008847.7/23$

Right Out: 459.942 ± 0.080 $\chi^2/\text{NDF}: 3257702.7/37$

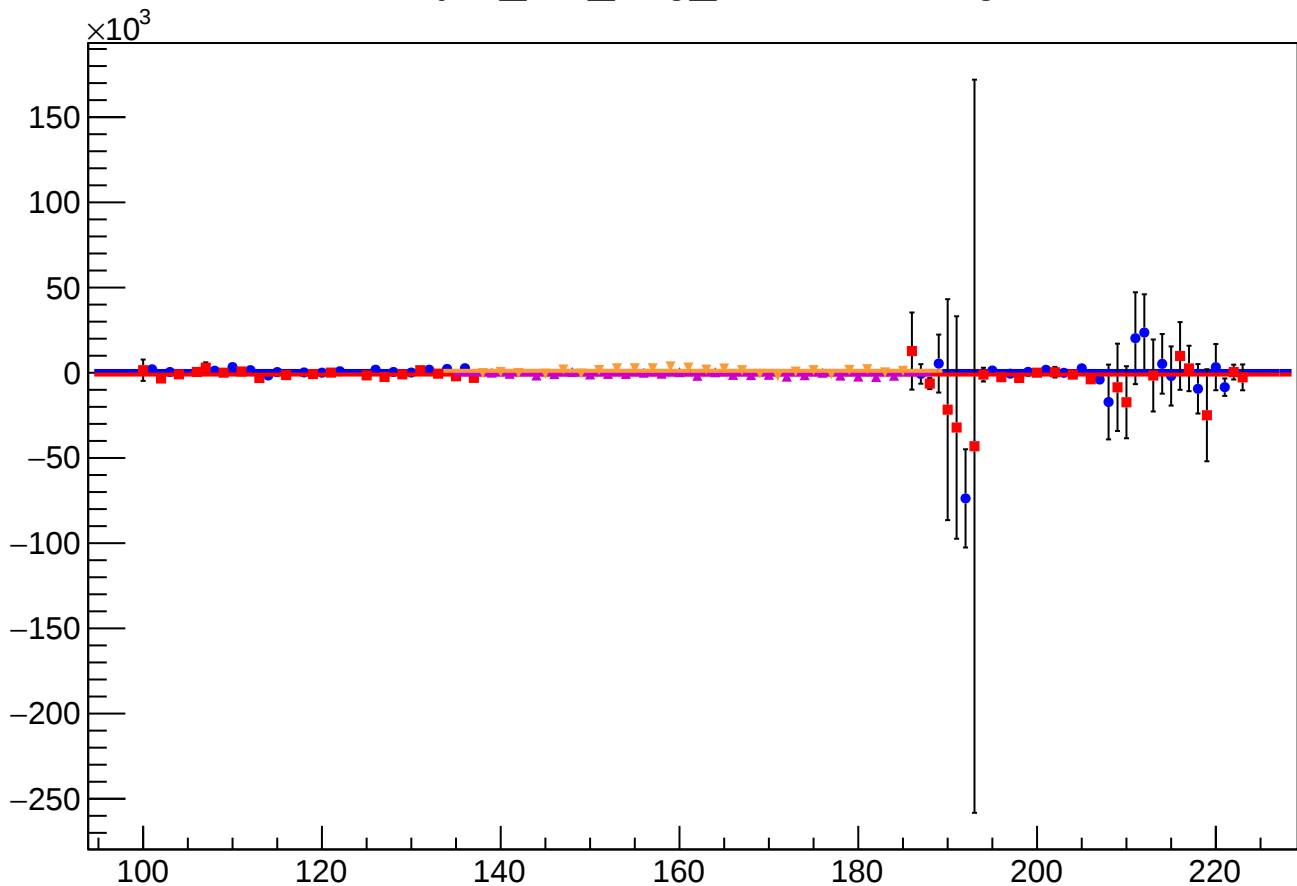
Left In: 735.850 ± 0.127 $\chi^2/\text{NDF}: 1105405.5/22$

+ sign 514.760 ± 0.065 $\chi^2/\text{NDF}: 7804375.8/57$

All: 526.203 ± 0.047 $\chi^2/\text{NDF}: 15611557.3/11$

- sign 538.712 ± 0.068 $\chi^2/\text{NDF}: 7741988.9/60$

asym_left_avg_mean vs Slug



Right In: 1063.202 $\pm$ 279.986 χ^2 /NDF: 30.9/33

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

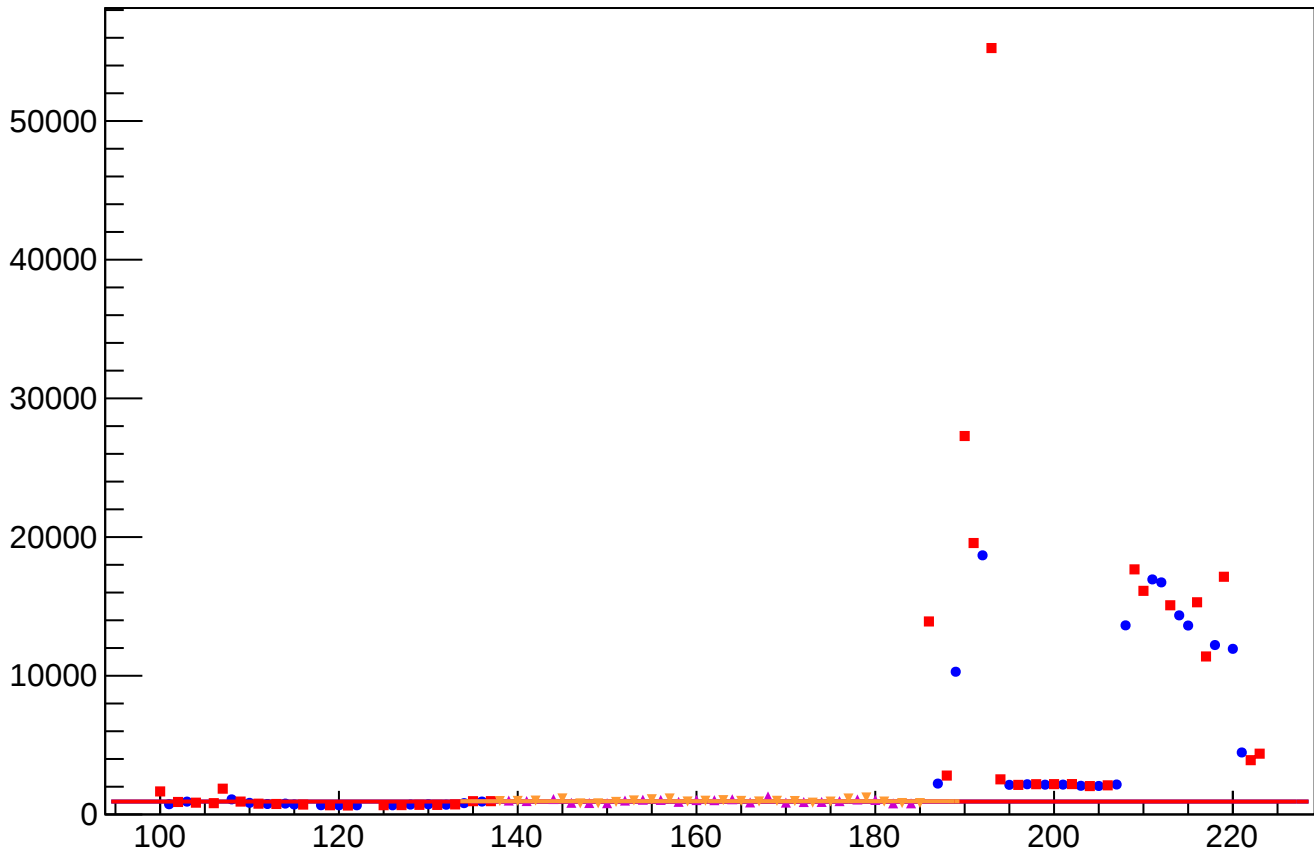
Right Out: -1058.023 $\pm$ 279.477 χ^2 /NDF: 31.8/37

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

+ sign 1108.007 $\pm$ 177.184 χ^2 /NDF: 69.9/57

All: 57.708 $\pm$ 125.158 χ^2 /NDF: 186.6/118

- sign -988.262 $\pm$ 176.818 χ^2 /NDF: 46.6/60



Right In: 929.937 $\pm$ 0.198 χ^2 /NDF: 14129726.8/33

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

Right Out: 931.230 $\pm$ 0.198 χ^2 /NDF: 13507435.7/37

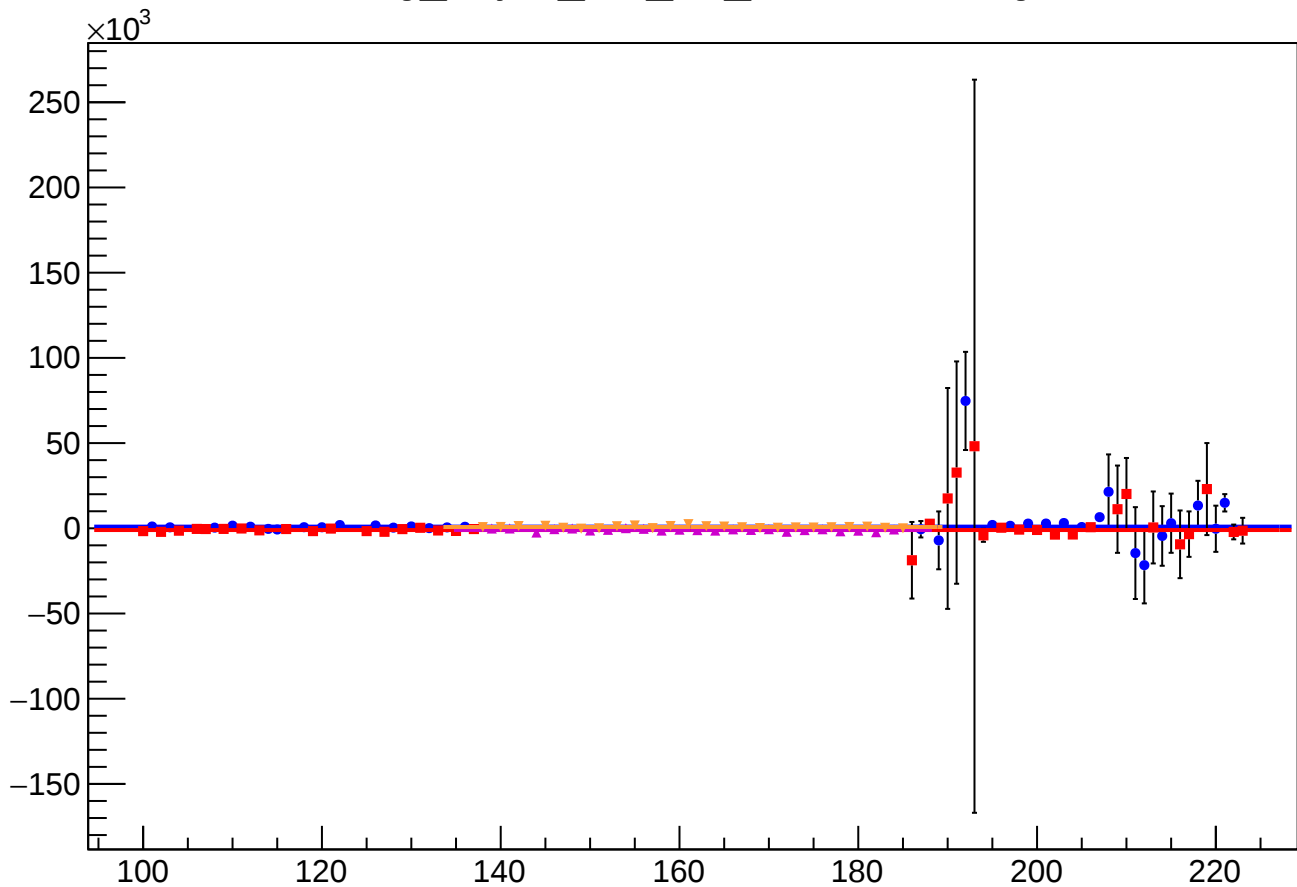
Left In: 946.573 $\pm$ 0.161 χ^2 /NDF: 501366.9/22

+ sign 944.563 $\pm$ 0.125 χ^2 /NDF: 14598978.2/57

All: 942.493 $\pm$ 0.089 χ^2 /NDF: 28611940.8/1

- sign 940.431 $\pm$ 0.125 χ^2 /NDF: 14012417.6/60

reg_asym_left_dd_mean vs Slug



Right In: 983.096 $\pm$ 209.468 χ^2 /NDF: 32.1/33

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

Right Out: -1017.959 $\pm$ 202.319 χ^2 /NDF: 21.1/37

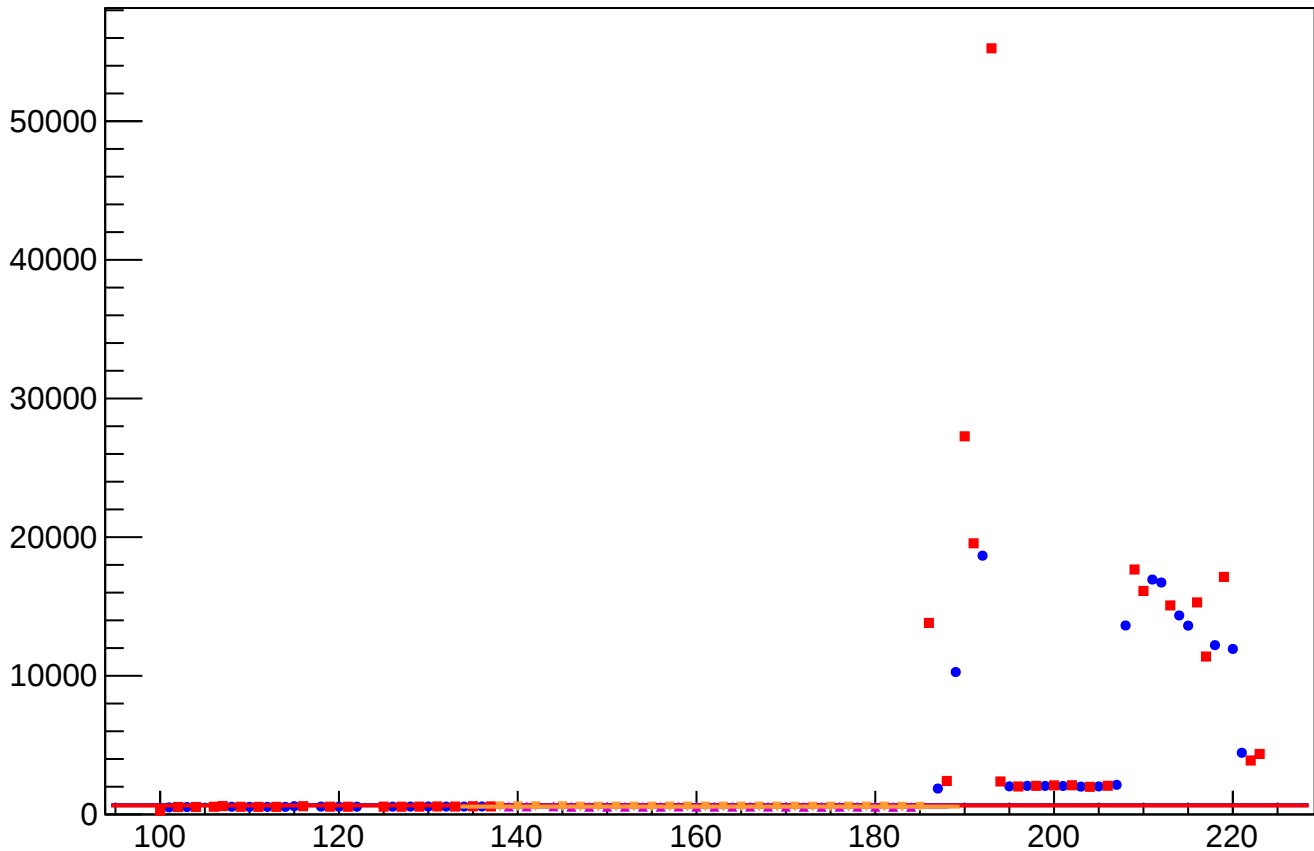
Left In: -958.517 $\pm$ 134.824 χ^2 /NDF: 26.8/22

+ sign 823.073 $\pm$ 112.844 χ^2 /NDF: 53.9/57

All: -82.057 $\pm$ 79.562 χ^2 /NDF: 229.9/118

- sign -976.796 $\pm$ 112.195 χ^2 /NDF: 48.0/60

reg_asym_left_dd_rms vs Slug



Right In: 668.973 $\pm$ 0.148 χ^2 /NDF: 15808273.7/33

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

Right Out: 648.224 $\pm$ 0.143 χ^2 /NDF: 15133201.5/37

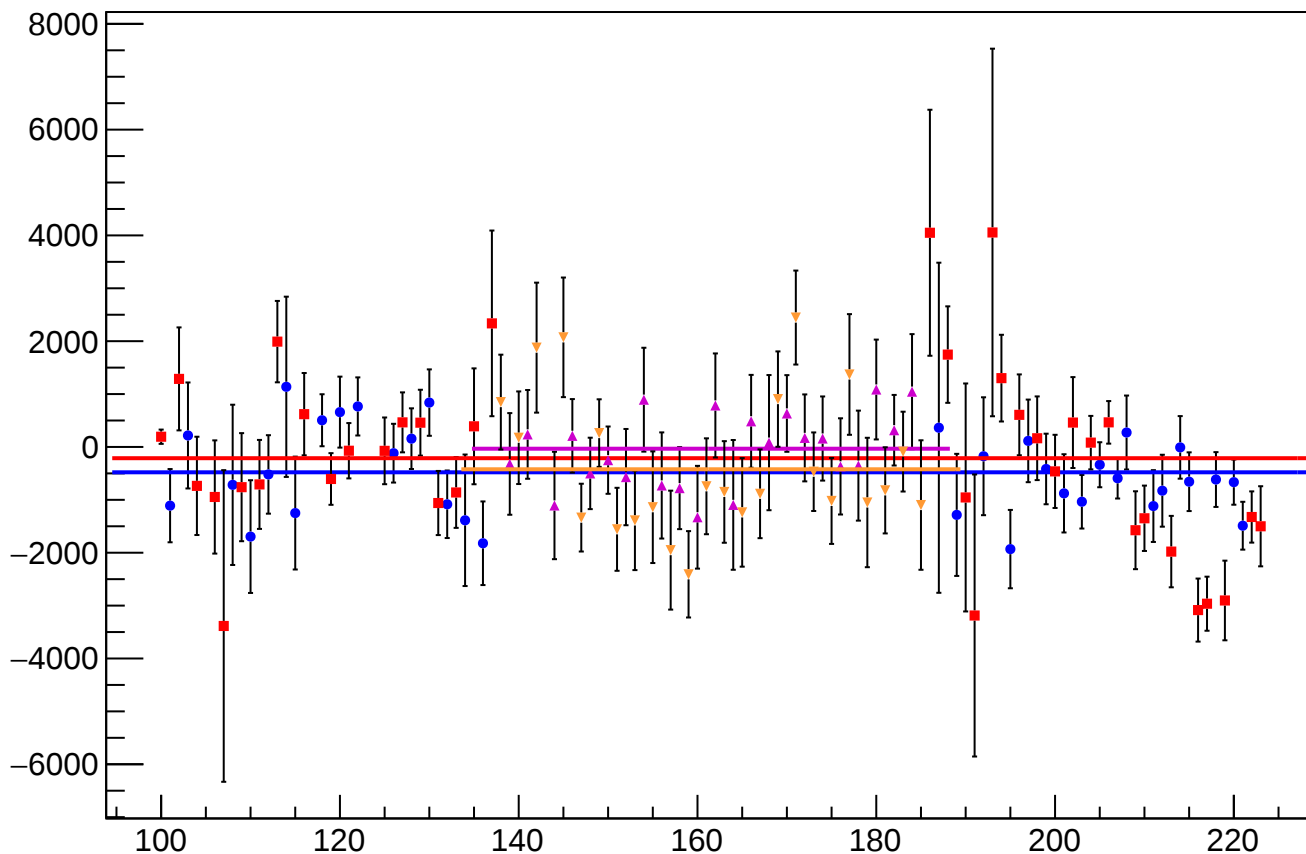
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

+ sign 594.234 $\pm$ 0.080 χ^2 /NDF: 16176541.5/57

All: 592.032 $\pm$ 0.056 χ^2 /NDF: 31560852.5/11

- sign 589.855 $\pm$ 0.079 χ^2 /NDF: 15382796.1/60

asym_left_dd_correction_mean vs Slug



Right In: -479.419 ± 110.015 χ^2/NDF : 41.5/33

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

Right Out: -212.849 ± 88.670 χ^2/NDF : 138.3/37

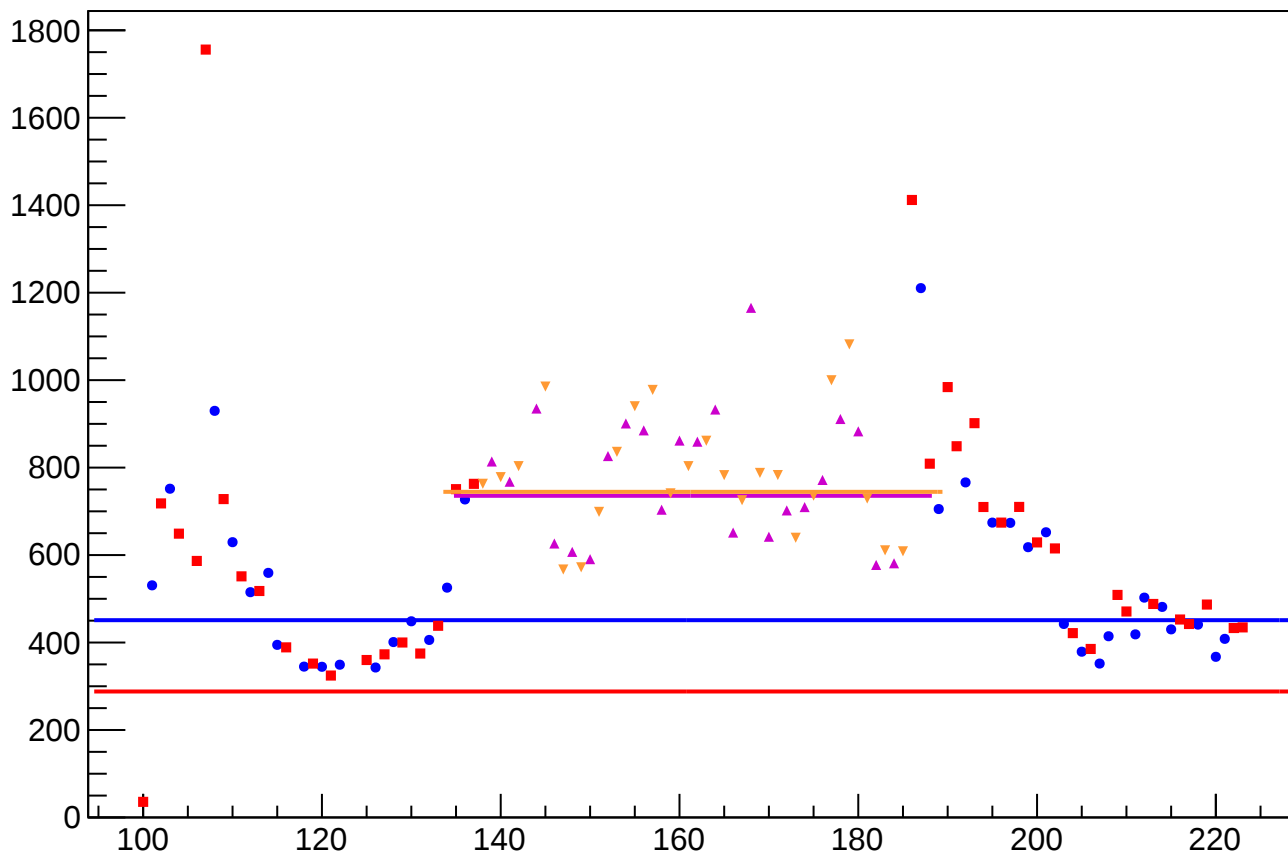
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -463.957 ± 93.946 χ^2/NDF : 84.8/57

All: -297.063 ± 60.681 χ^2/NDF : 241.5/118

- sign -177.589 ± 79.486 χ^2/NDF : 151.2/60

asym_left_dd_correction_rms vs Slug



Right In: 451.102 $\pm$ 0.078 χ^2 /NDF: 2364436.8/33

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

Right Out: 288.038 $\pm$ 0.063 χ^2 /NDF: 15318391.1/37

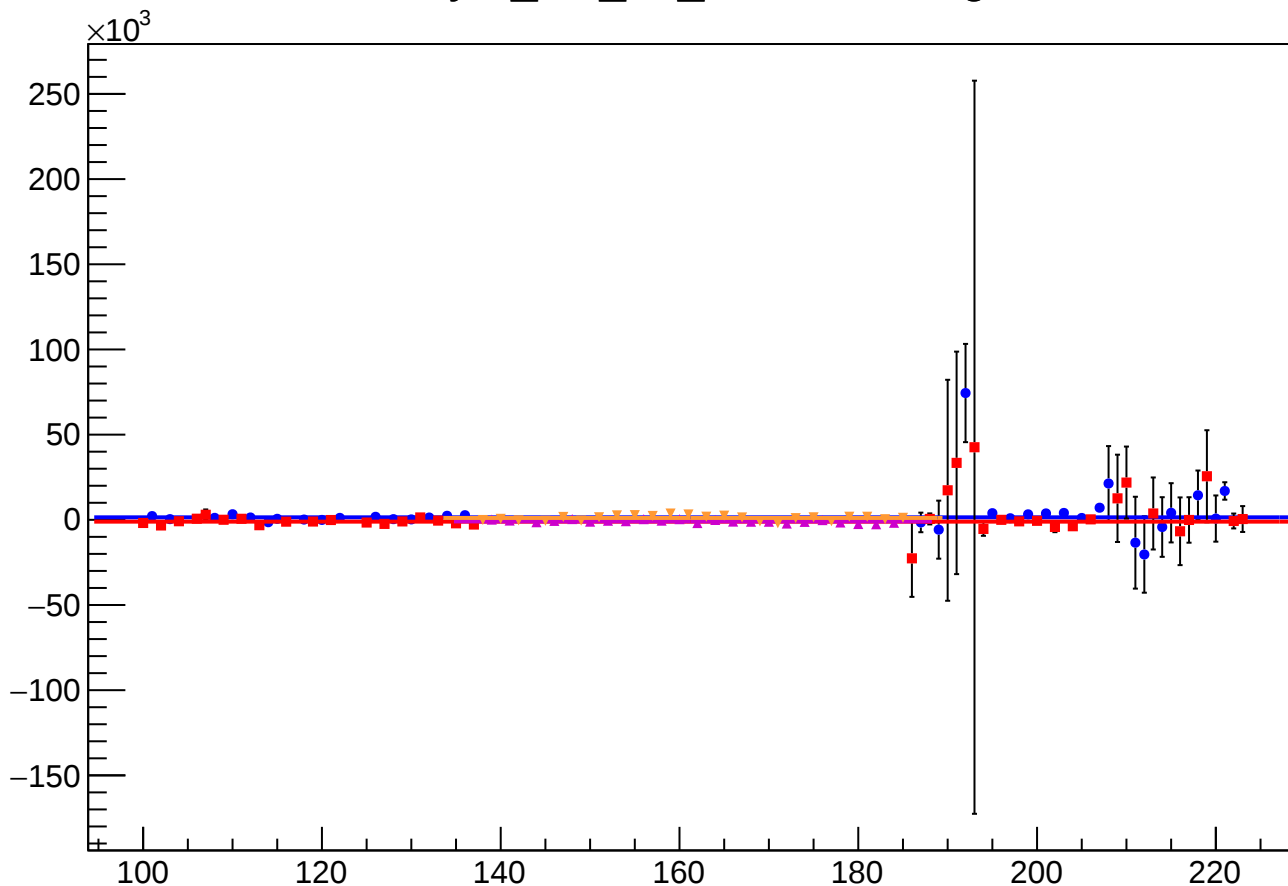
Left In: 735.543 $\pm$ 0.127 χ^2 /NDF: 1105222.3/22

+ sign 530.580 $\pm$ 0.066 χ^2 /NDF: 7228581.2/57

All: 440.451 $\pm$ 0.043 χ^2 /NDF: 36816128.0/1

- sign 375.931 $\pm$ 0.056 χ^2 /NDF: 26428991.4/60

asym_left_dd_mean vs Slug



Right In: 1457.793 ± 279.891 $\chi^2/\text{NDF}: 41.1/33$

Left Out: 1105.144 ± 228.700 $\chi^2/\text{NDF}: 38.3/23$

Right Out: -1064.163 ± 268.682 $\chi^2/\text{NDF}: 30.6/37$

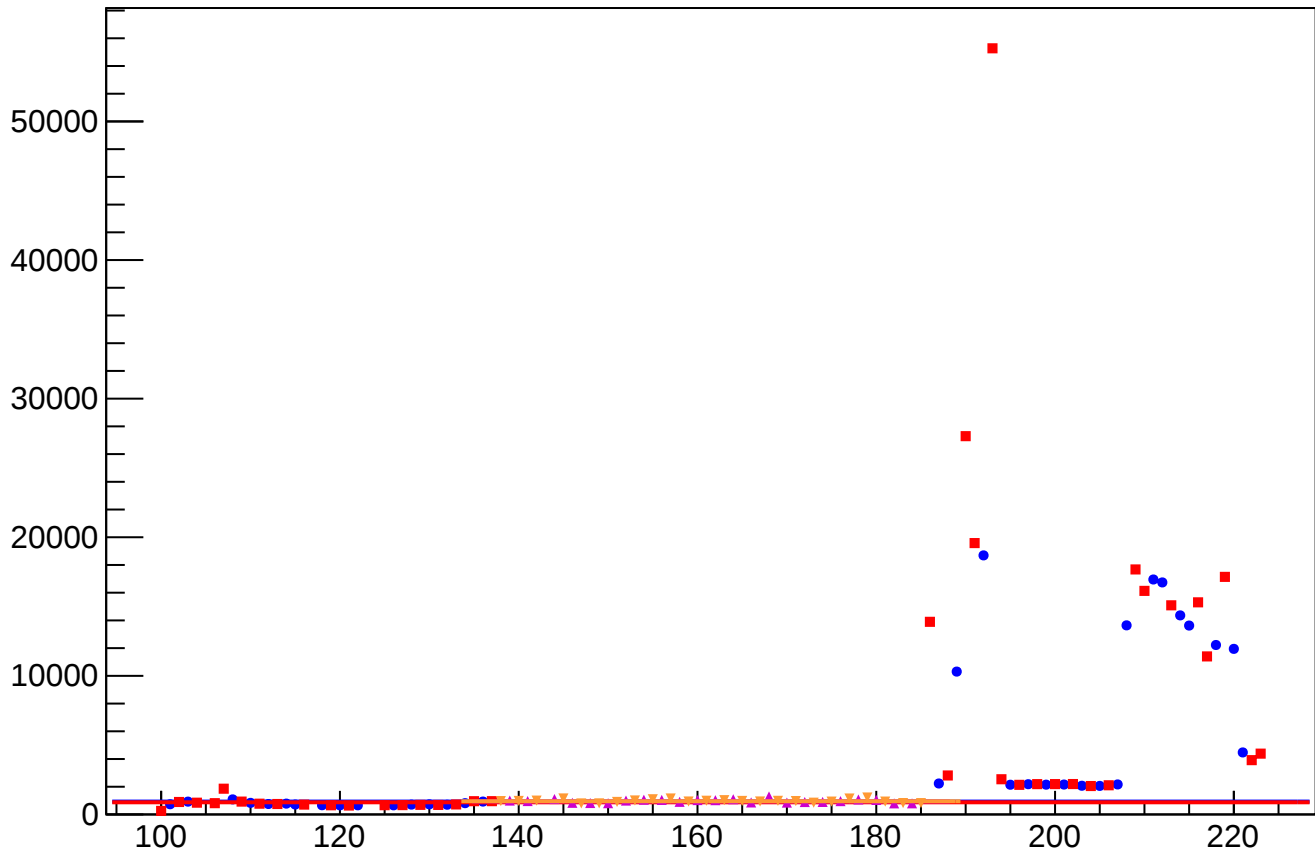
Left In: -926.281 ± 228.196 $\chi^2/\text{NDF}: 15.1/22$

+ sign 1246.330 ± 177.098 $\chi^2/\text{NDF}: 80.3/57$

All: 111.012 ± 124.092 $\chi^2/\text{NDF}: 206.9/118$

- sign -984.061 ± 173.930 $\chi^2/\text{NDF}: 45.9/60$

asym_left_dd_rms vs Slug



Right In: 929.167+/-0.198 χ^2/NDF : 14152735.0/33

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

Right Out: 877.335+/-0.190 χ^2/NDF : 14390388.2/37

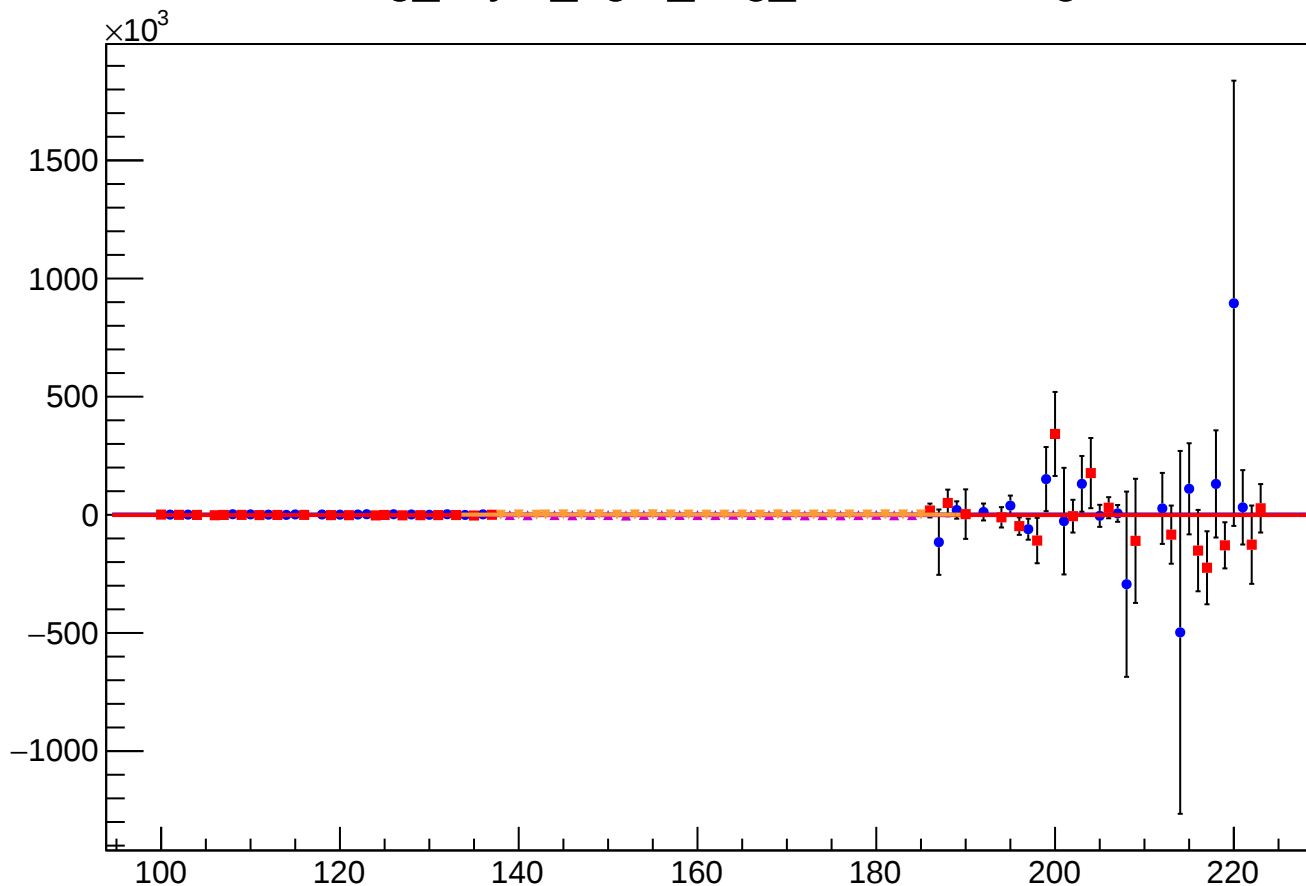
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 943.927+/-0.125 χ^2/NDF : 14622220.9/57

All: 930.347+/-0.088 χ^2/NDF : 29613128.4/11

- sign 917.249+/-0.123 χ^2/NDF : 14967806.4/60

reg_asym_right_avg_mean vs Slug



Right In: 1325.483+/-218.578 χ^2/NDF : 21.7/33

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

Right Out: -1041.181+/-212.060 χ^2/NDF : 29.2/35

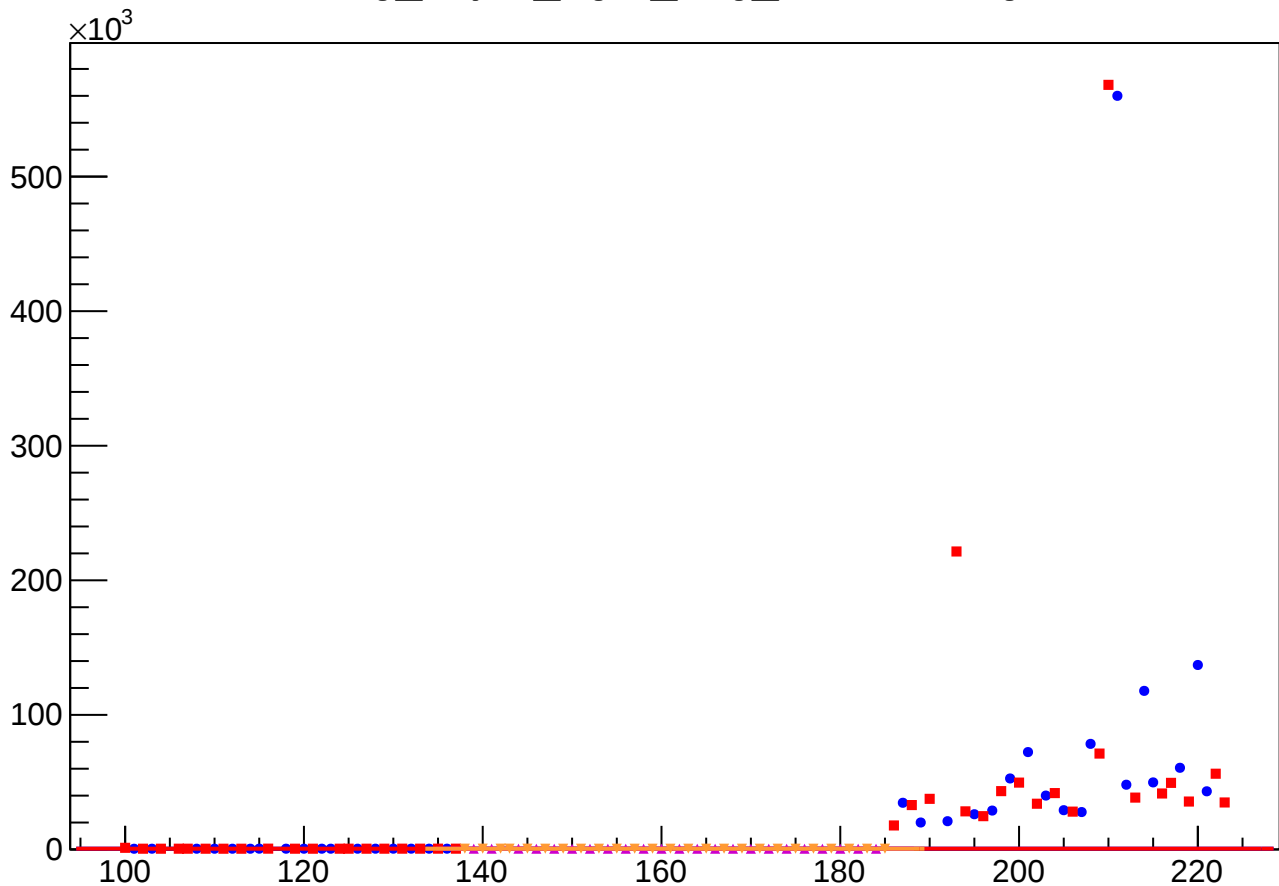
Left In: -1123.857+/-133.163 χ^2/NDF : 30.0/22

+ sign 1139.204+/-111.535 χ^2/NDF : 37.8/58

All: 31.721+/-79.301 χ^2/NDF : 296.4/117

- sign -1100.475+/-112.772 χ^2/NDF : 59.3/58

reg_asym_right_avg_rms vs Slug



Right In: 568.887 $\pm$ 0.155 χ^2 /NDF: 6684472.1/34

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

Right Out: 570.462 $\pm$ 0.150 χ^2 /NDF: 7024906.8/37

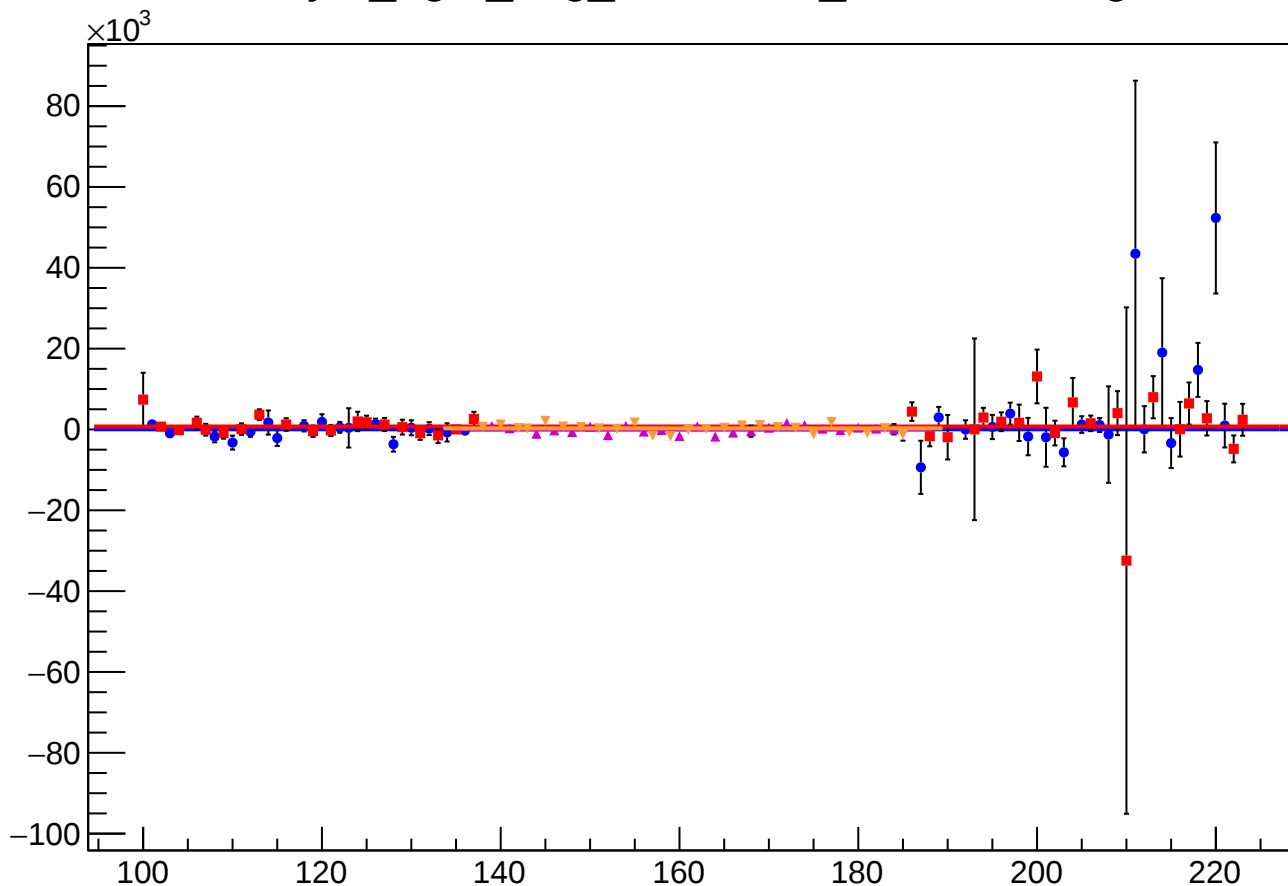
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 560.490 $\pm$ 0.079 χ^2 /NDF: 6703215.2/59

All: 560.636 $\pm$ 0.056 χ^2 /NDF: 13745146.0/12

- sign 560.785 $\pm$ 0.080 χ^2 /NDF: 7041923.9/60

asym_right_avg_correction_mean vs Slug



Right In: 38.831+/-305.168 χ^2/NDF : 41.4/34

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

Right Out: 731.136+/-307.587 χ^2/NDF : 31.6/37

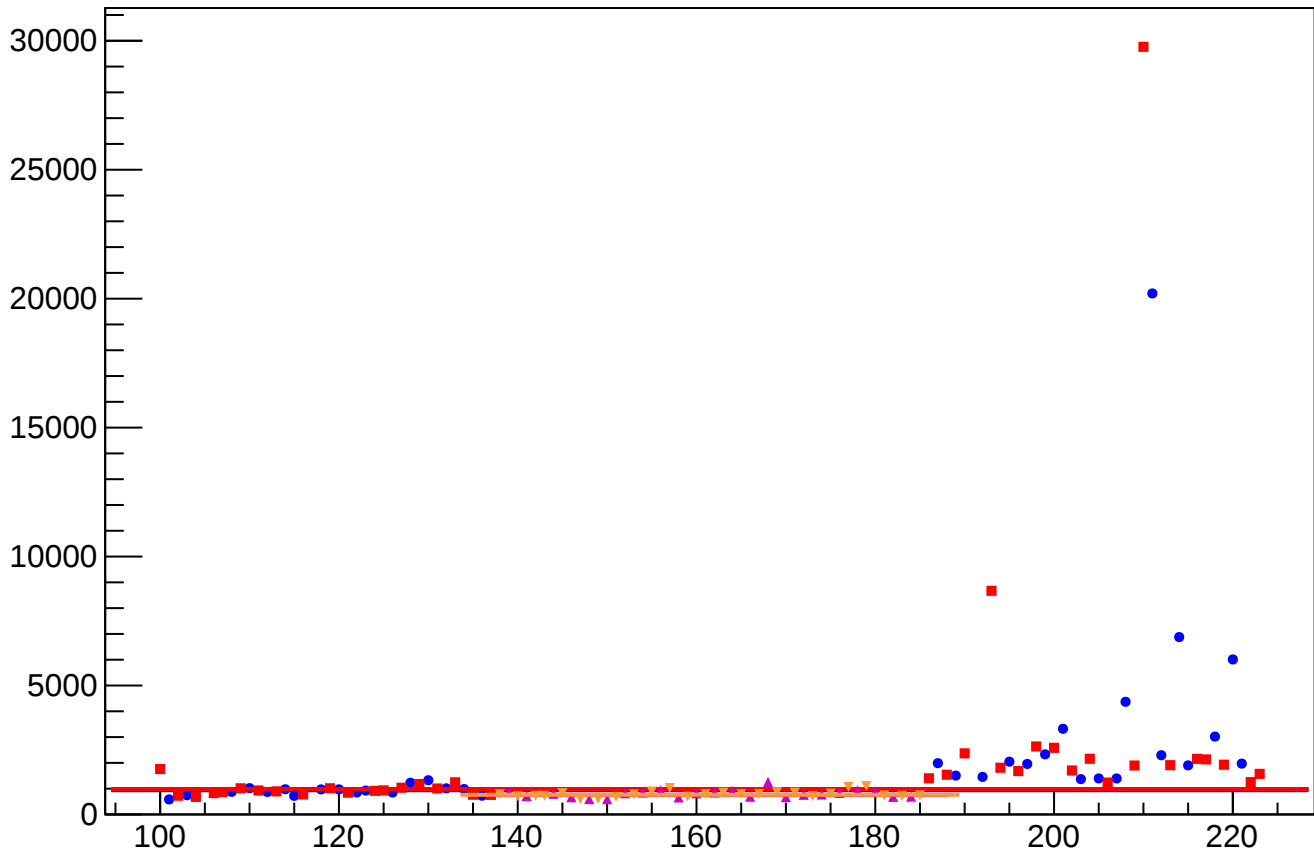
Left In: 8.211+/-183.382 χ^2/NDF : 20.2/22

+ sign 218.924+/-155.310 χ^2/NDF : 68.6/59

All: 208.505+/-110.591 χ^2/NDF : 124.4/120

- sign 197.788+/-157.512 χ^2/NDF : 55.8/60

asym_right_avg_correction_rms vs Slug



Right In: 940.133+/-0.216 χ^2/NDF : 3691750.2/34

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

Right Out: 987.324+/-0.217 χ^2/NDF : 3072111.0/37

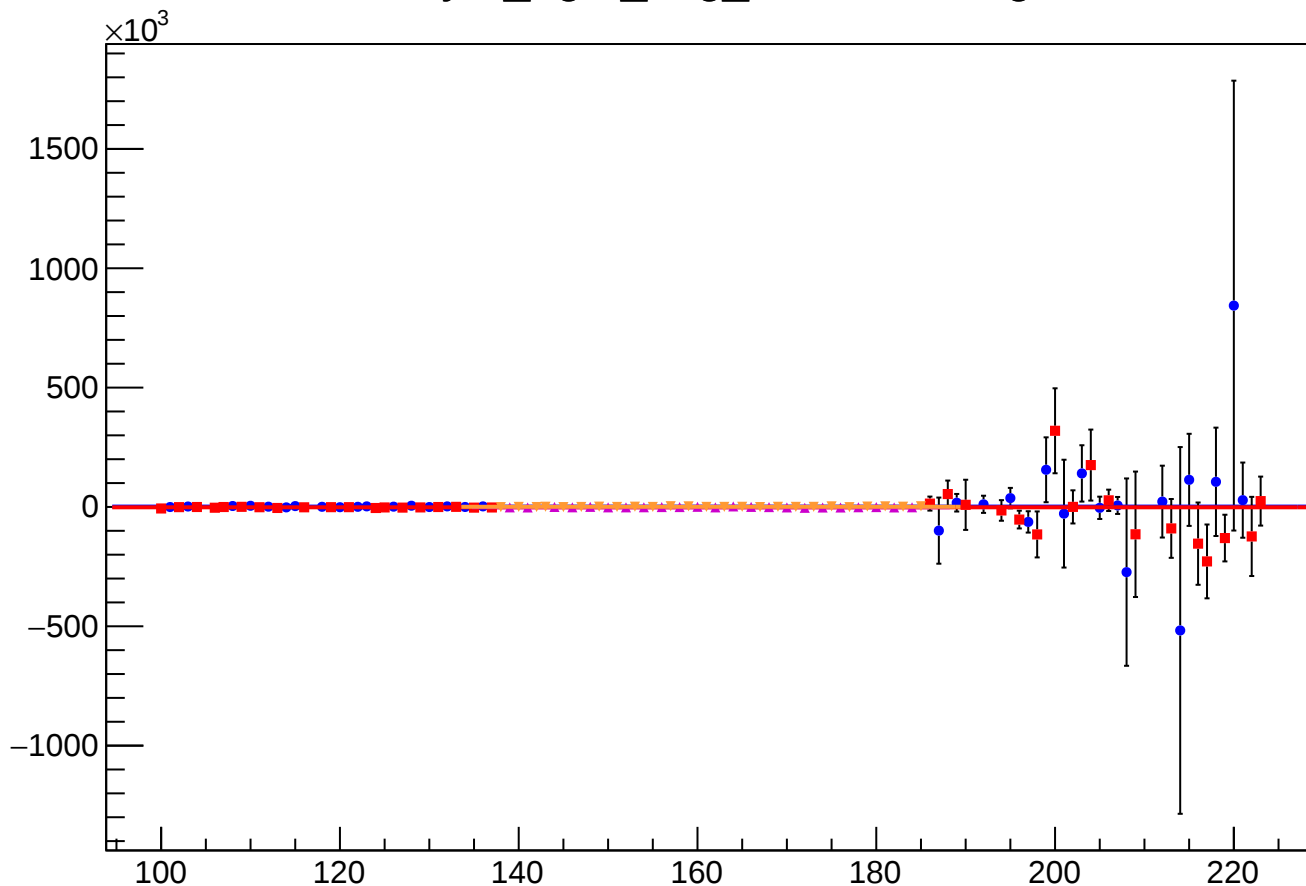
Left In: 754.099+/-0.130 χ^2/NDF : 931829.3/22

+ sign 808.943+/-0.110 χ^2/NDF : 4944278.0/59

All: 812.057+/-0.078 χ^2/NDF : 9798179.8/120

- sign 815.259+/-0.111 χ^2/NDF : 4852270.9/60

asym_right_avg_mean vs Slug



Right In: 1502.157+/-402.532 χ^2/NDF : 25.7/33

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

Right Out: -1491.678+/-400.586 χ^2/NDF : 27.7/35

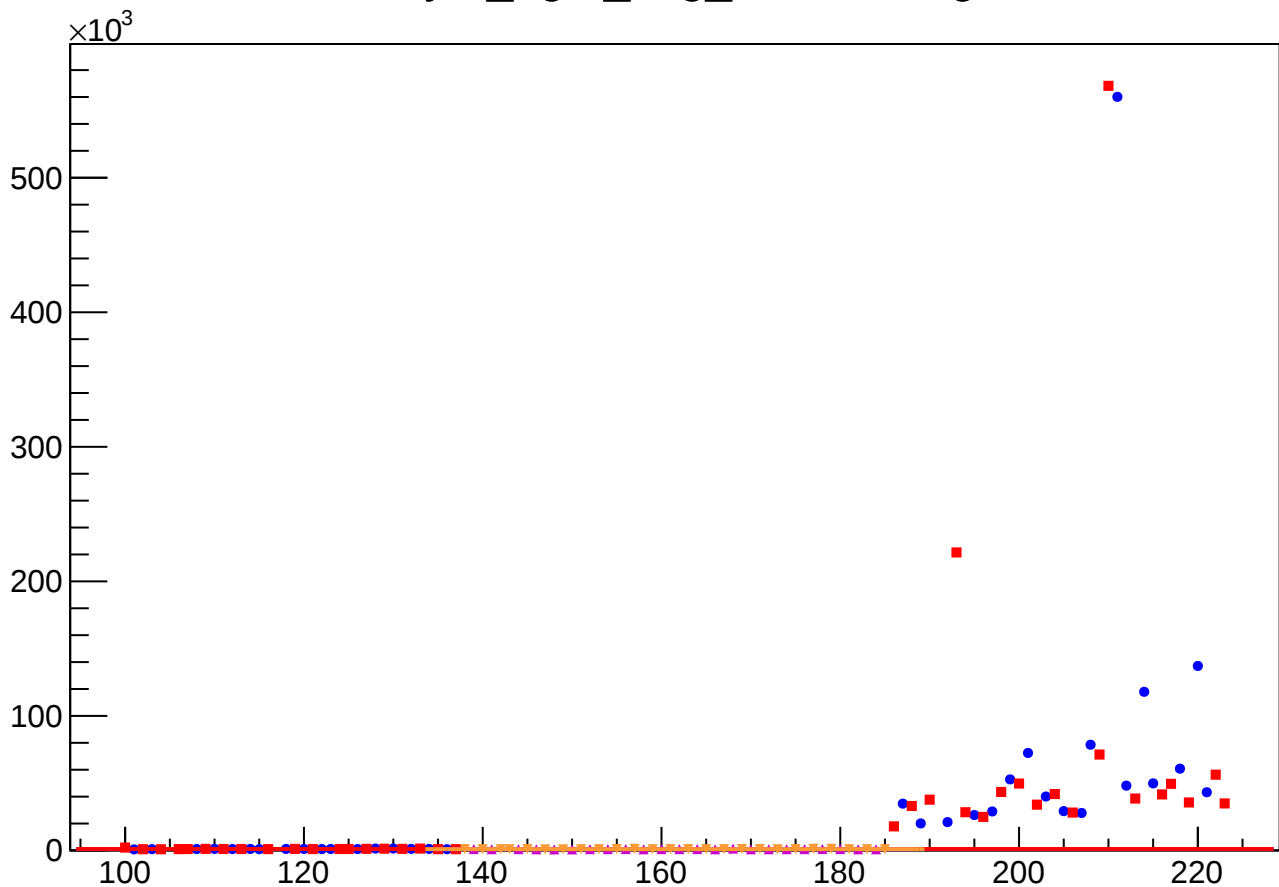
Left In: -1124.587+/-230.065 χ^2/NDF : 25.4/22

+ sign 921.823+/-196.756 χ^2/NDF : 50.0/58

All: -132.090+/-140.089 χ^2/NDF : 161.9/117

- sign -1215.638+/-199.503 χ^2/NDF : 53.7/58

asym_right_avg_rms vs Slug



Right In: 1039.854+/-0.285 χ^2/NDF : 6806189.3/34

Left Out: 962.256+/-0.159 χ^2/NDF : 362937.6/24

Right Out: 1075.850+/-0.283 χ^2/NDF : 6989880.7/37

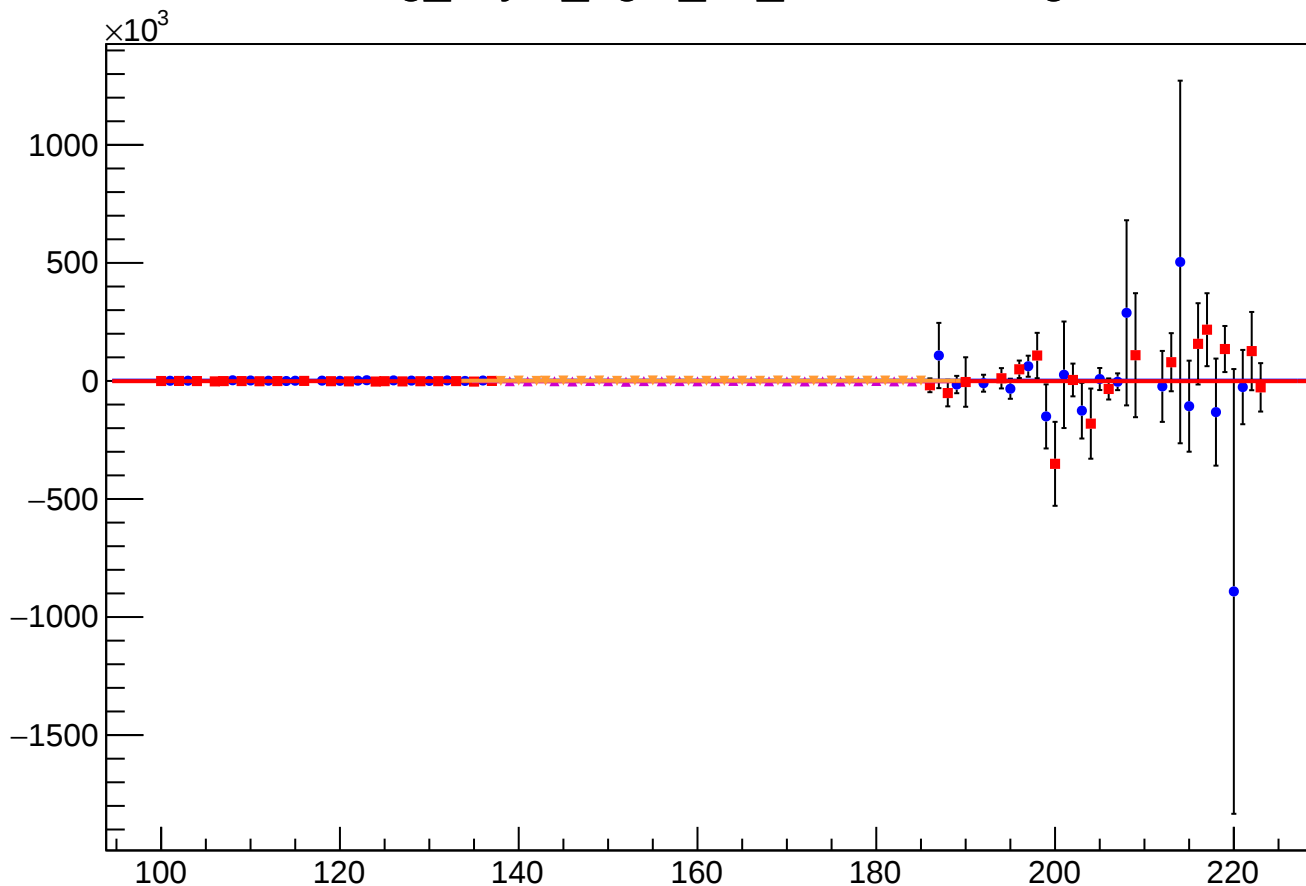
Left In: 954.643+/-0.163 χ^2/NDF : 443395.0/22

+ sign 980.796+/-0.139 χ^2/NDF : 7225694.8/59

All: 982.724+/-0.099 χ^2/NDF : 14797048.6/12

- sign 984.707+/-0.141 χ^2/NDF : 7570964.1/60

reg_asym_right_dd_mean vs Slug



Right In: 1344.113 $\pm$ 218.833 χ^2 /NDF: 20.5/33

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

Right Out: -964.485 $\pm$ 208.595 χ^2 /NDF: 28.5/35

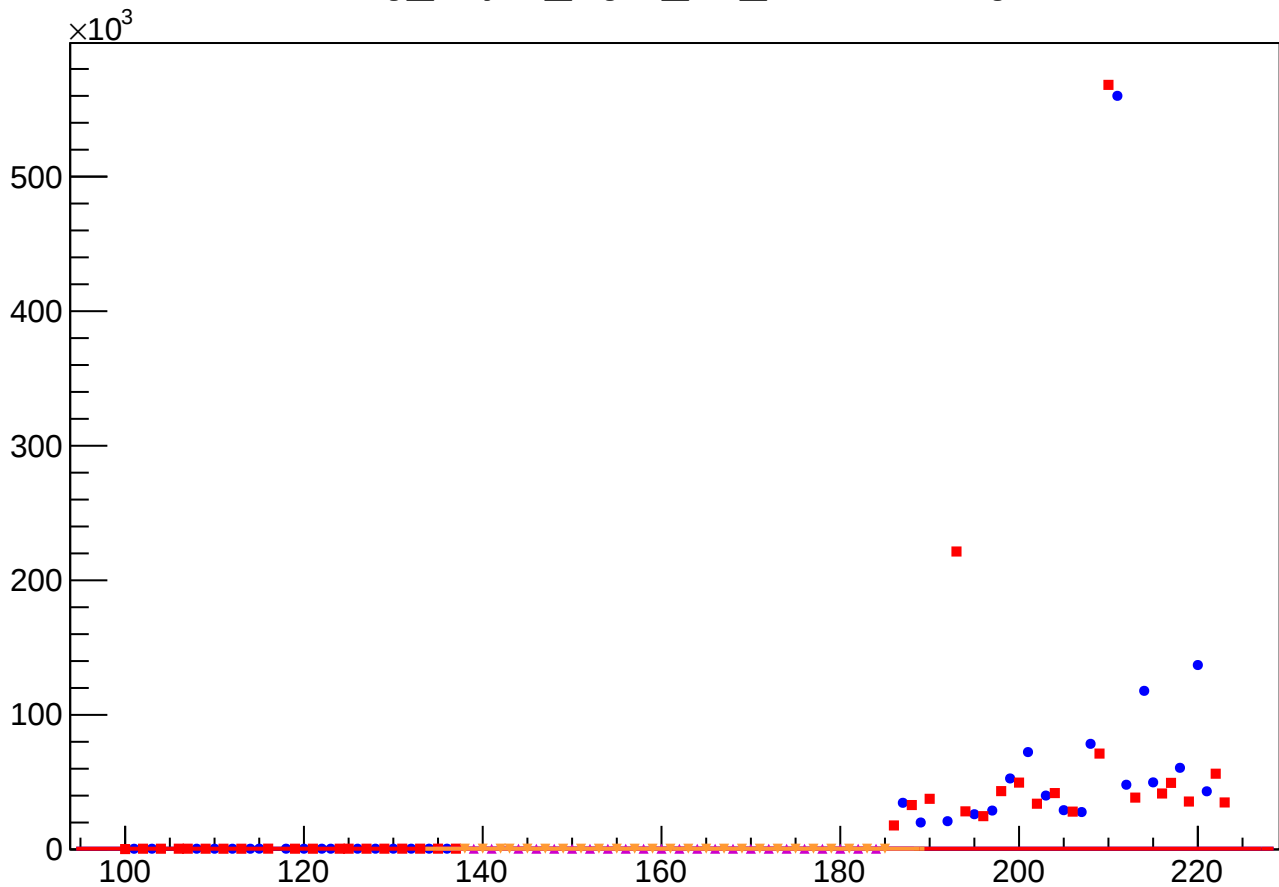
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.396 $\pm$ 111.652 χ^2 /NDF: 36.4/58

All: 21.995 $\pm$ 79.189 χ^2 /NDF: 304.9/117

- sign -1124.233 $\pm$ 112.332 χ^2 /NDF: 61.5/58

reg_asym_right_dd_rms vs Slug



Right In: 569.551 ± 0.155 χ^2/NDF : 6684640.2/34

Left Out: 558.099 ± 0.092 χ^2/NDF : 14785.2/24

Right Out: 559.432 ± 0.147 χ^2/NDF : 7113384.1/37

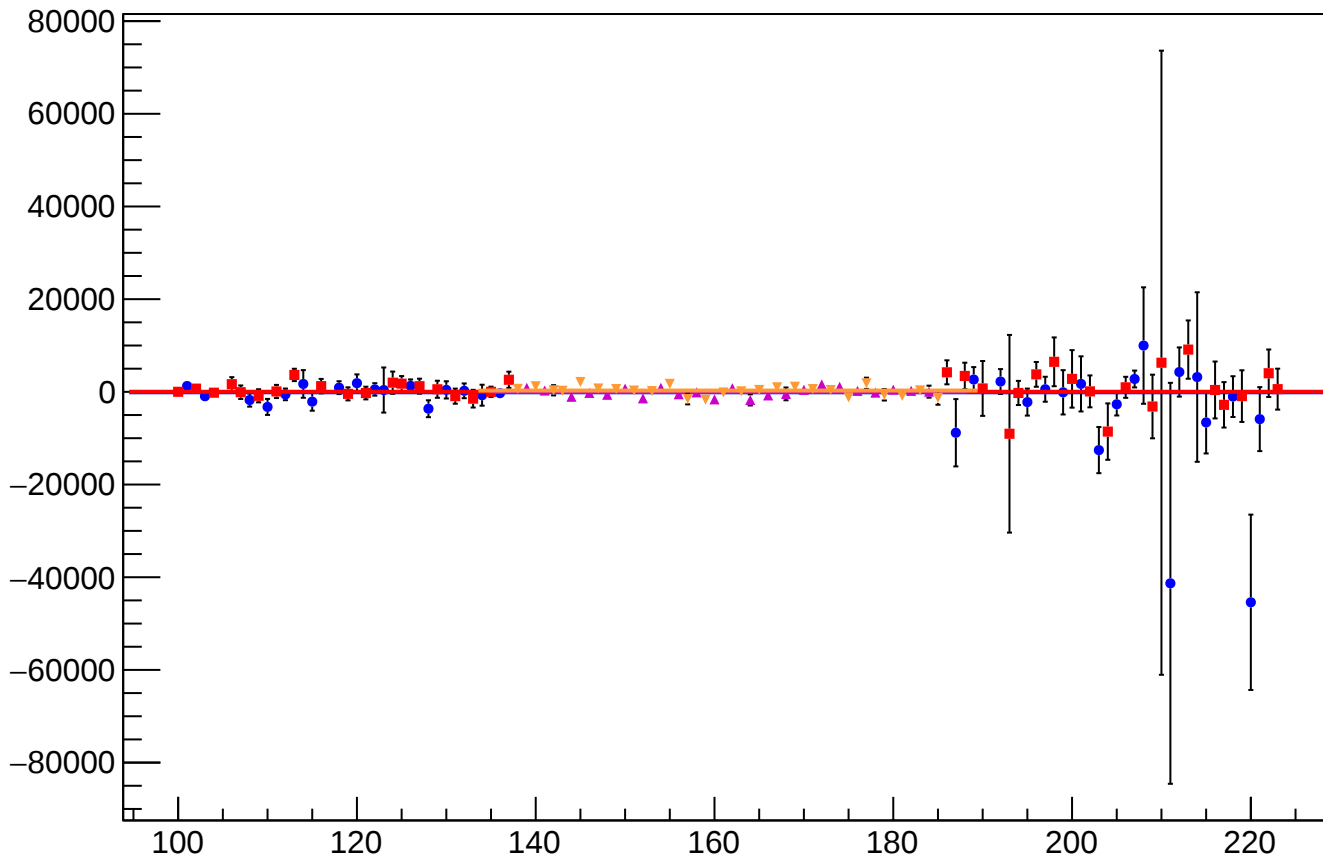
Left In: 557.597 ± 0.094 χ^2/NDF : 11276.8/22

+ sign 561.080 ± 0.079 χ^2/NDF : 6703476.6/59

All: 559.613 ± 0.056 χ^2/NDF : 13828942.0/12

- sign 558.129 ± 0.079 χ^2/NDF : 7124770.9/60

asym_right_dd_correction_mean vs Slug



Right In: -90.050 ± 307.790 χ^2/NDF : 40.5/34

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

Right Out: 23.119 ± 38.920 χ^2/NDF : 29.3/37

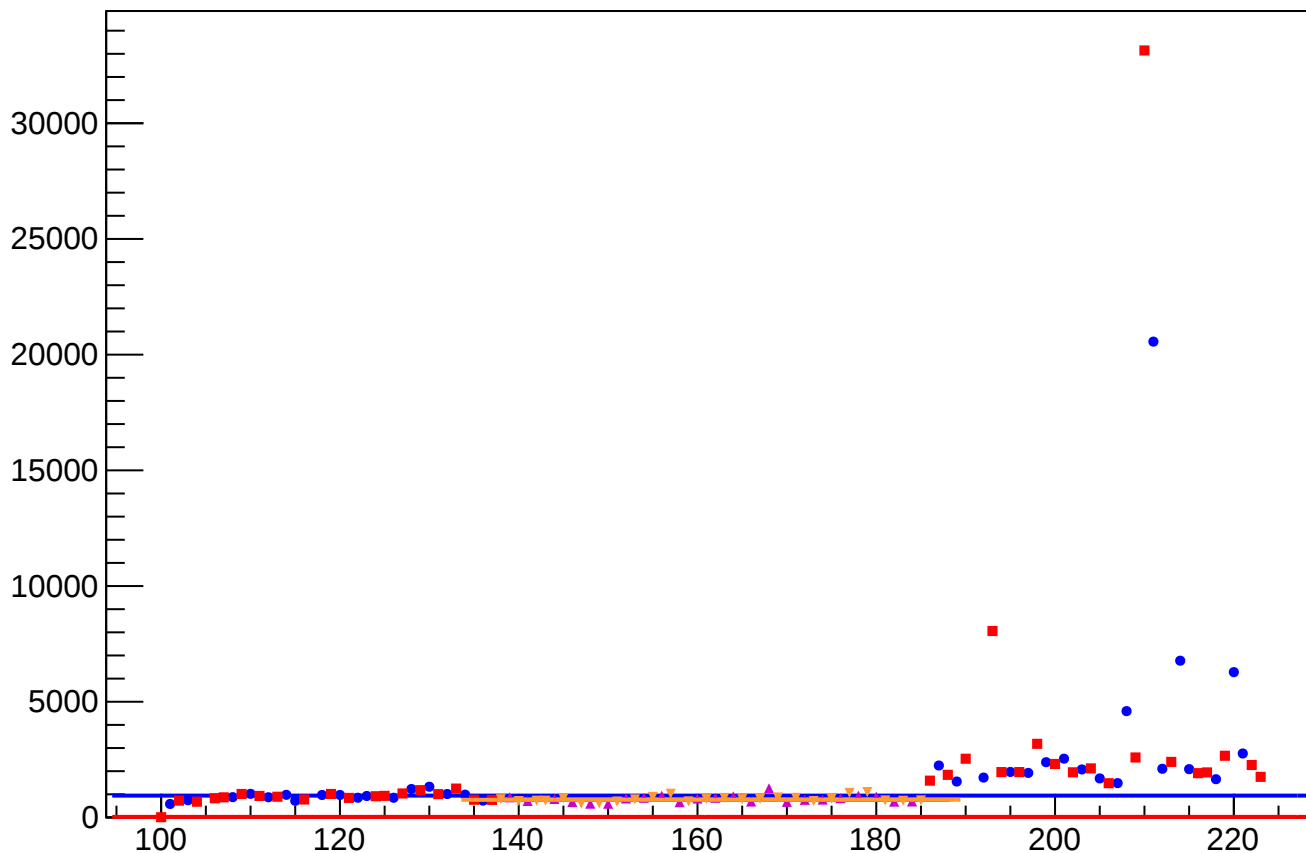
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 186.363 ± 155.687 χ^2/NDF : 68.4/59

All: 31.688 ± 36.983 χ^2/NDF : 118.9/120

- sign 22.438 ± 38.073 χ^2/NDF : 49.4/60

asym_right_dd_correction_rms vs Slug



Right In: 944.244+/-0.218 χ^2/NDF : 3822033.2/34

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

Right Out: 25.243+/-0.028 χ^2/NDF : 23234686.5/37

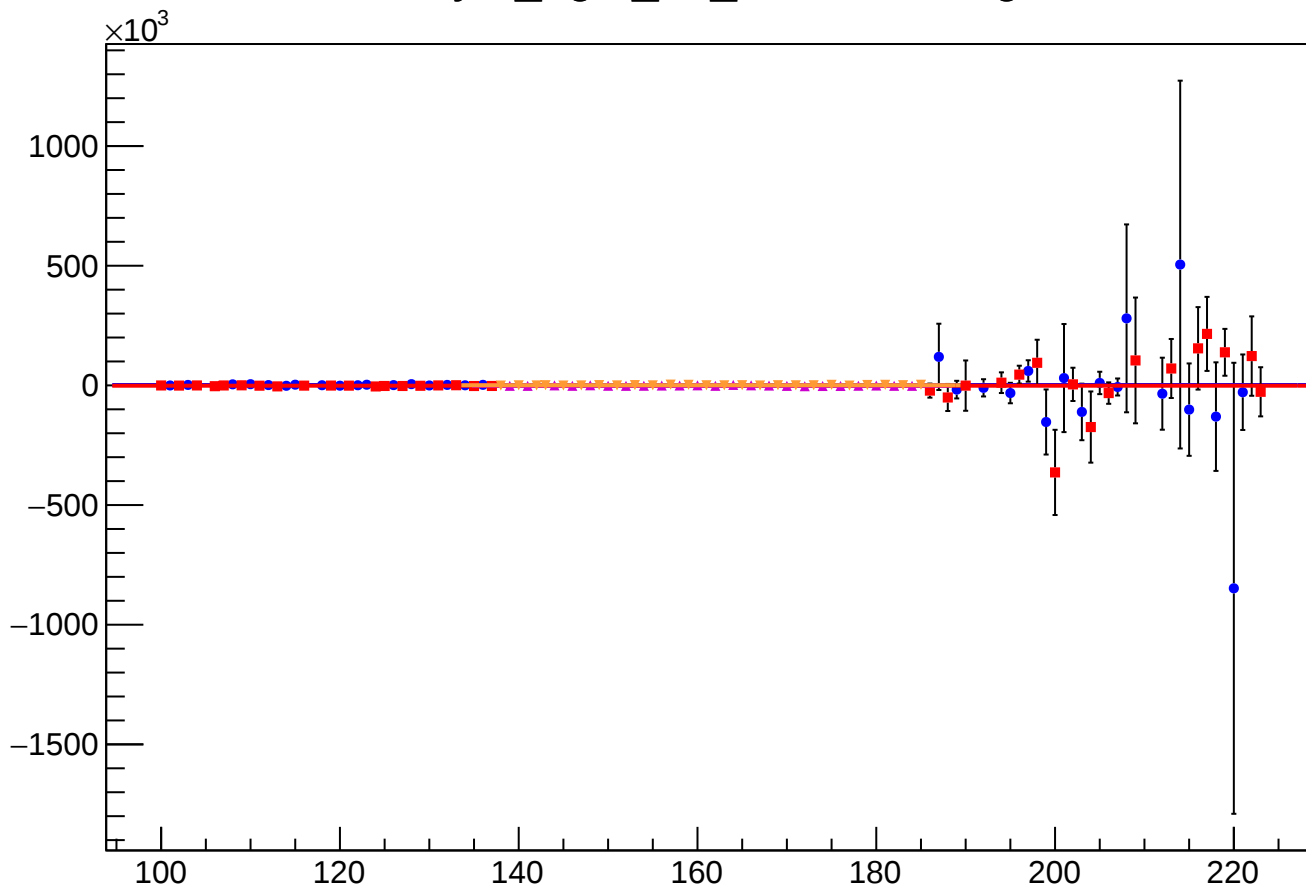
Left In: 754.483+/-0.130 χ^2/NDF : 931536.8/22

+ sign 809.601+/-0.110 χ^2/NDF : 5090089.8/59

All: 99.133+/-0.026 χ^2/NDF : 103632261.3/12

- sign 56.645+/-0.027 χ^2/NDF : 54401248.8/60

asym_right_dd_mean vs Slug



Right In: 1514.490+/-402.755 χ^2/NDF : 26.0/33

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

Right Out: -1285.421+/-376.570 χ^2/NDF : 28.1/35

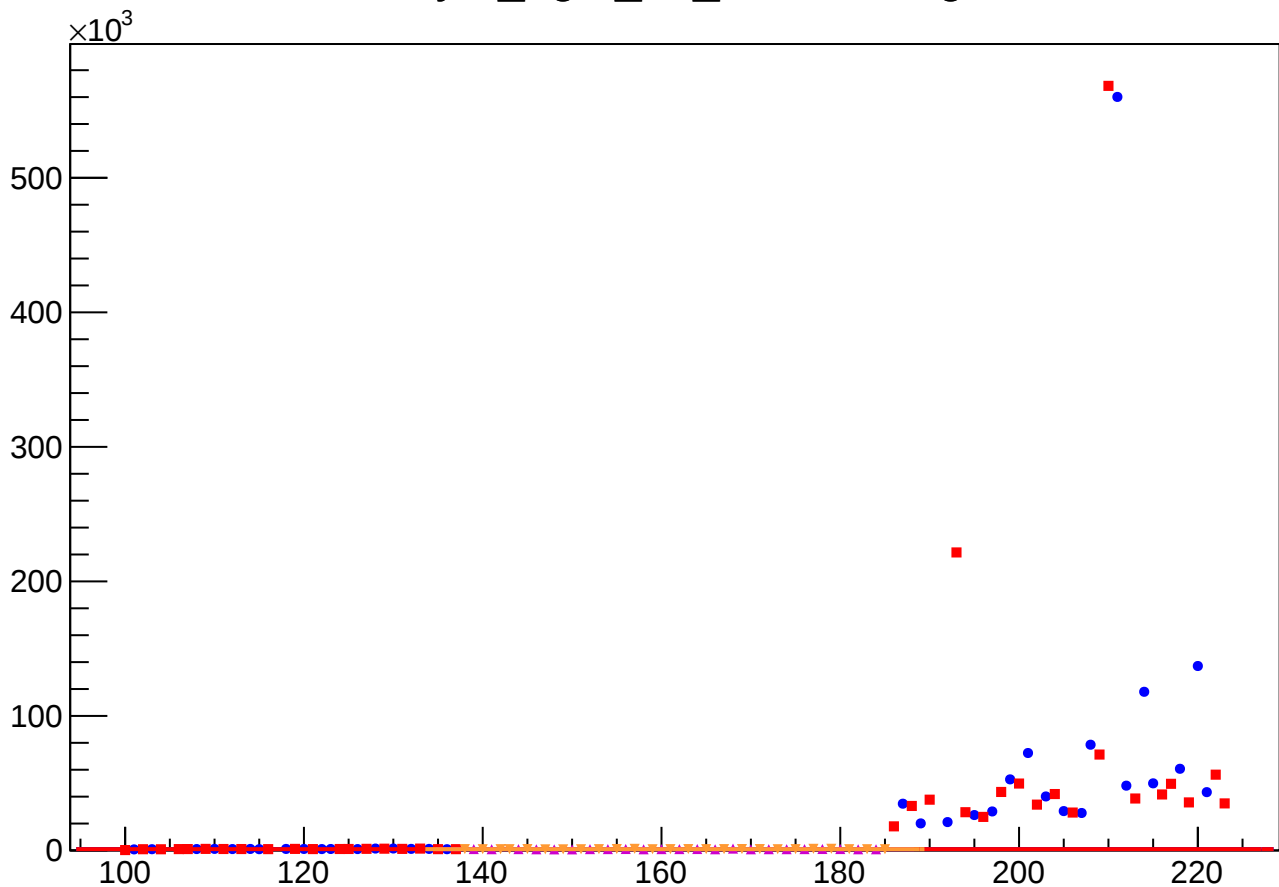
Left In: -1176.288+/-230.229 χ^2/NDF : 24.2/22

+ sign 927.190+/-196.864 χ^2/NDF : 49.0/58

All: -141.771+/-139.049 χ^2/NDF : 160.3/117

- sign -1205.982+/-196.426 χ^2/NDF : 52.4/58

asym_right_dd_rms vs Slug



Right In: 1040.438 $\pm$ 0.285 χ^2 /NDF: 6806958.4/34

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

Right Out: 980.059 $\pm$ 0.266 χ^2 /NDF: 7868816.6/37

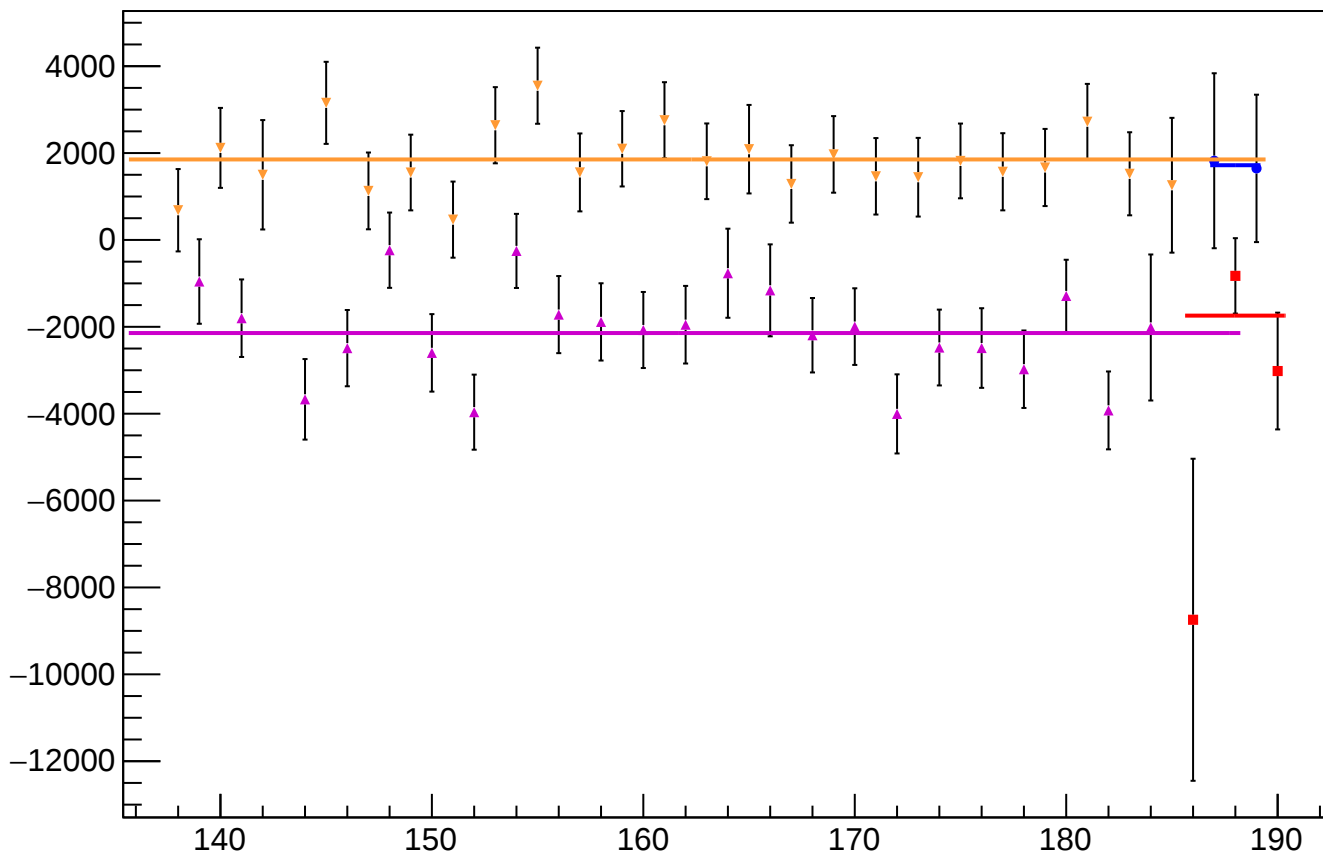
Left In: 955.331 $\pm$ 0.163 χ^2 /NDF: 443068.5/22

+ sign 981.331 $\pm$ 0.139 χ^2 /NDF: 7226393.3/59

All: 971.674 $\pm$ 0.098 χ^2 /NDF: 15554161.7/12

- sign 962.059 $\pm$ 0.139 χ^2 /NDF: 8318163.1/60

cor_asym_us_avg_mean vs Slug



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

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

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

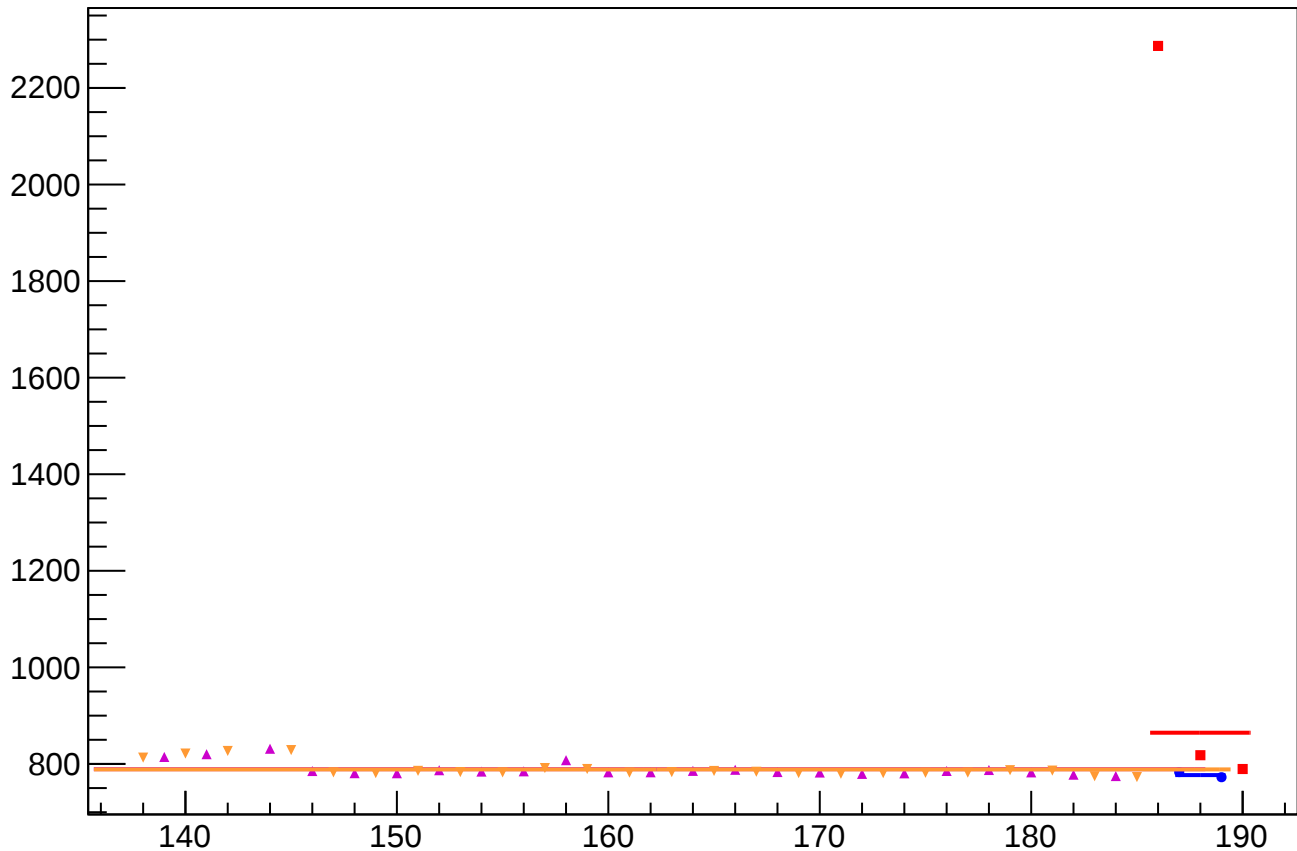
Left In: -2143.254 $\pm$ 190.144 χ^2/NDF : 32.4/22

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

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

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

cor_asym_us_avg_rms vs Slug



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

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

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

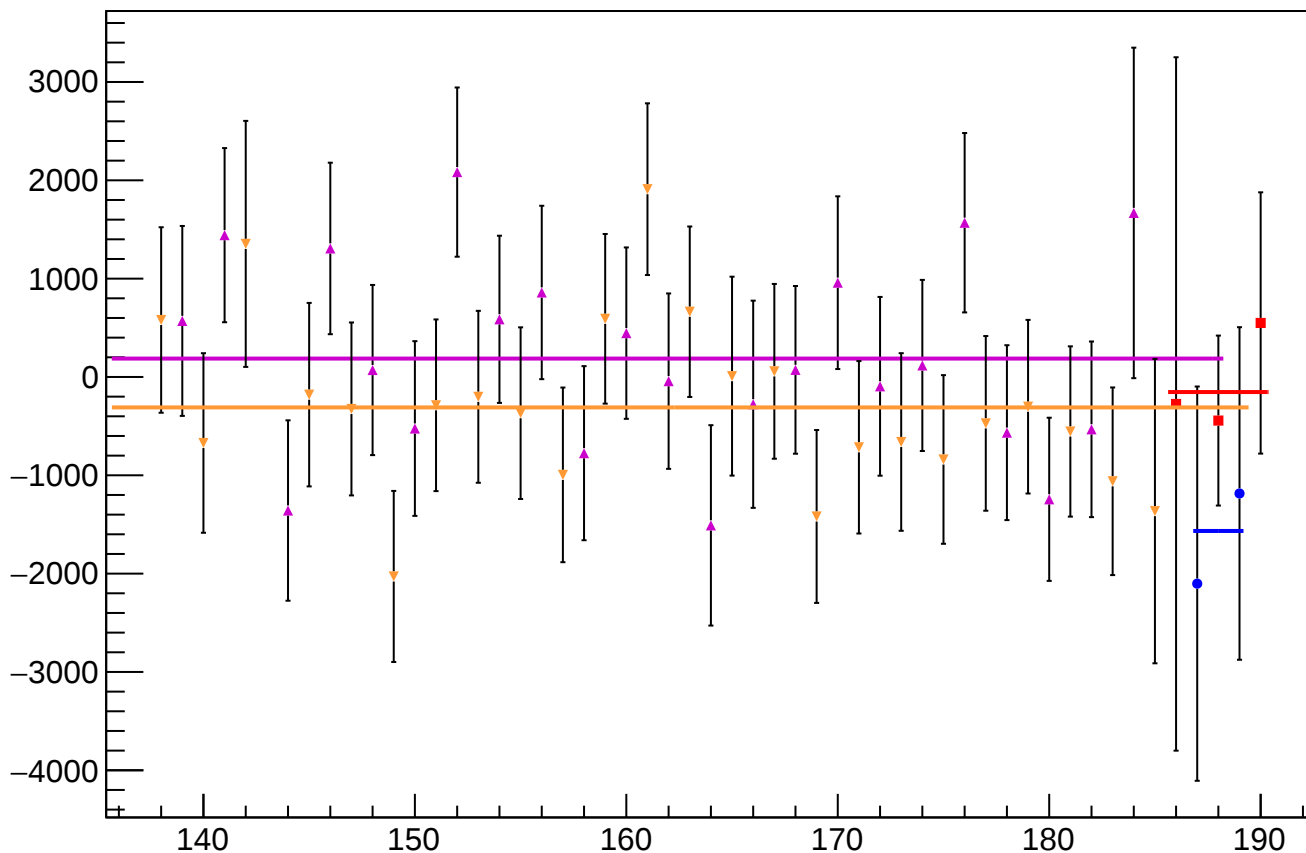
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

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

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

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

cor_asym_us_dd_mean vs Slug



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

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

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

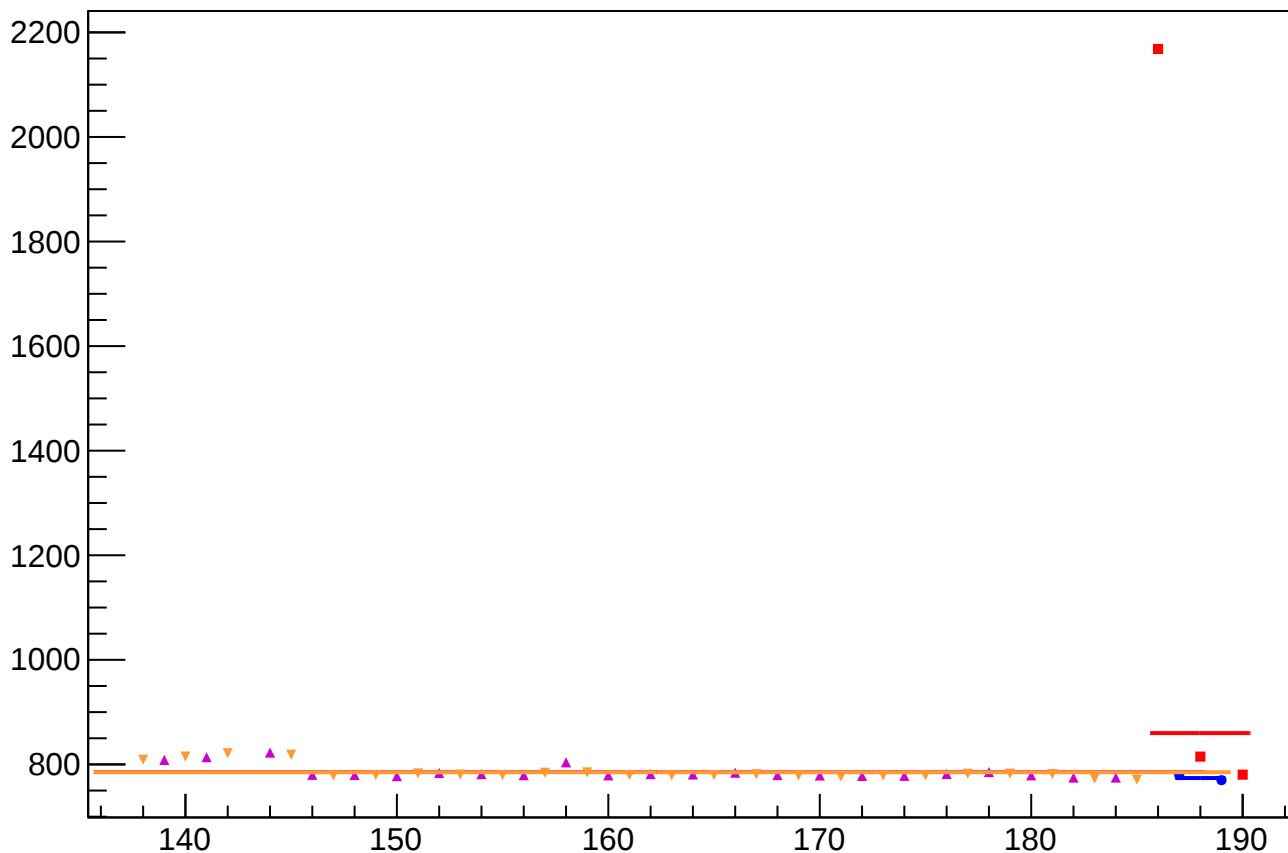
Left In: 187.105 ± 189.265 $\chi^2/\text{NDF}: 25.6/22$

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

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

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

cor_asym_us_dd_rms vs Slug



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

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

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

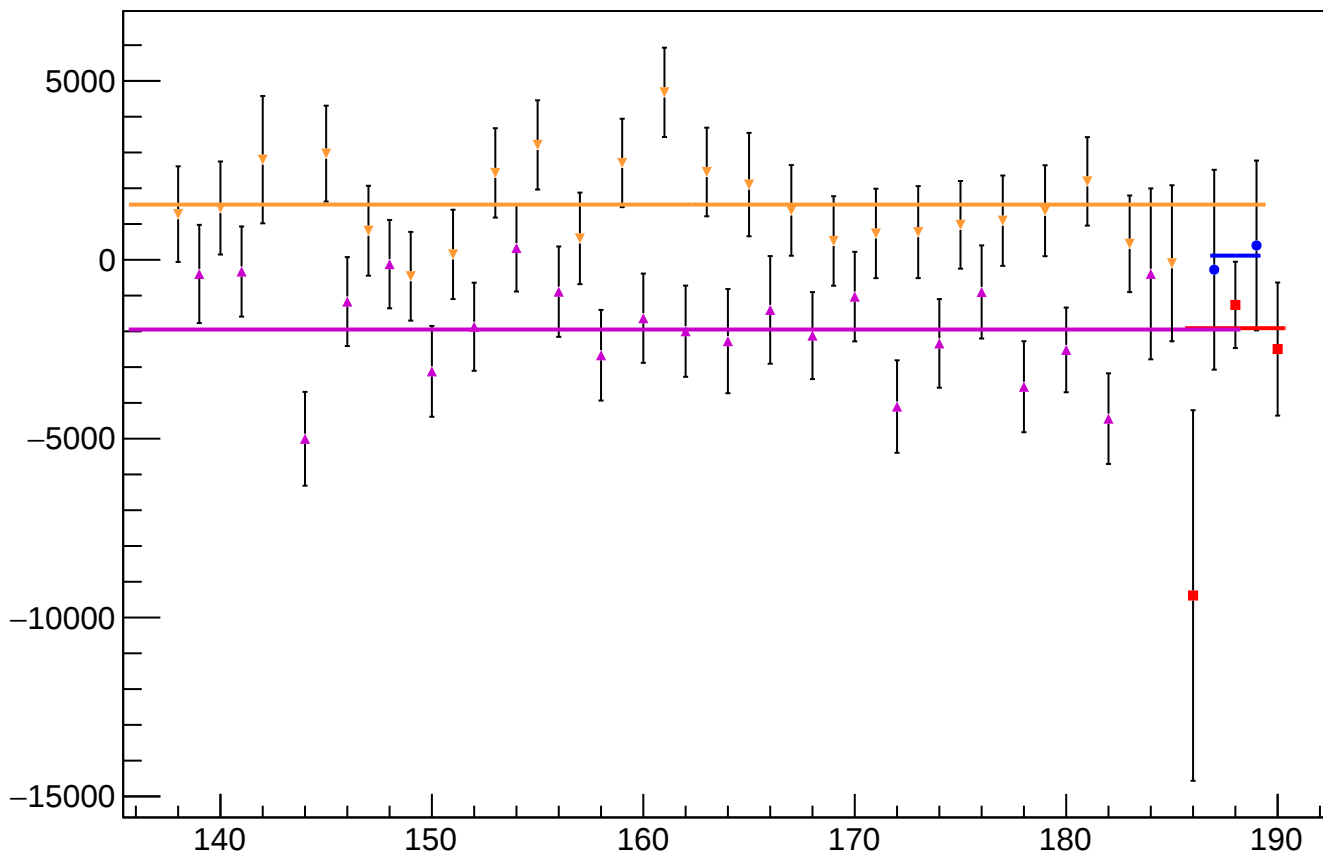
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

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

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

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

cor_asym_usl_mean vs Slug



Right In: 116.401 ± 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

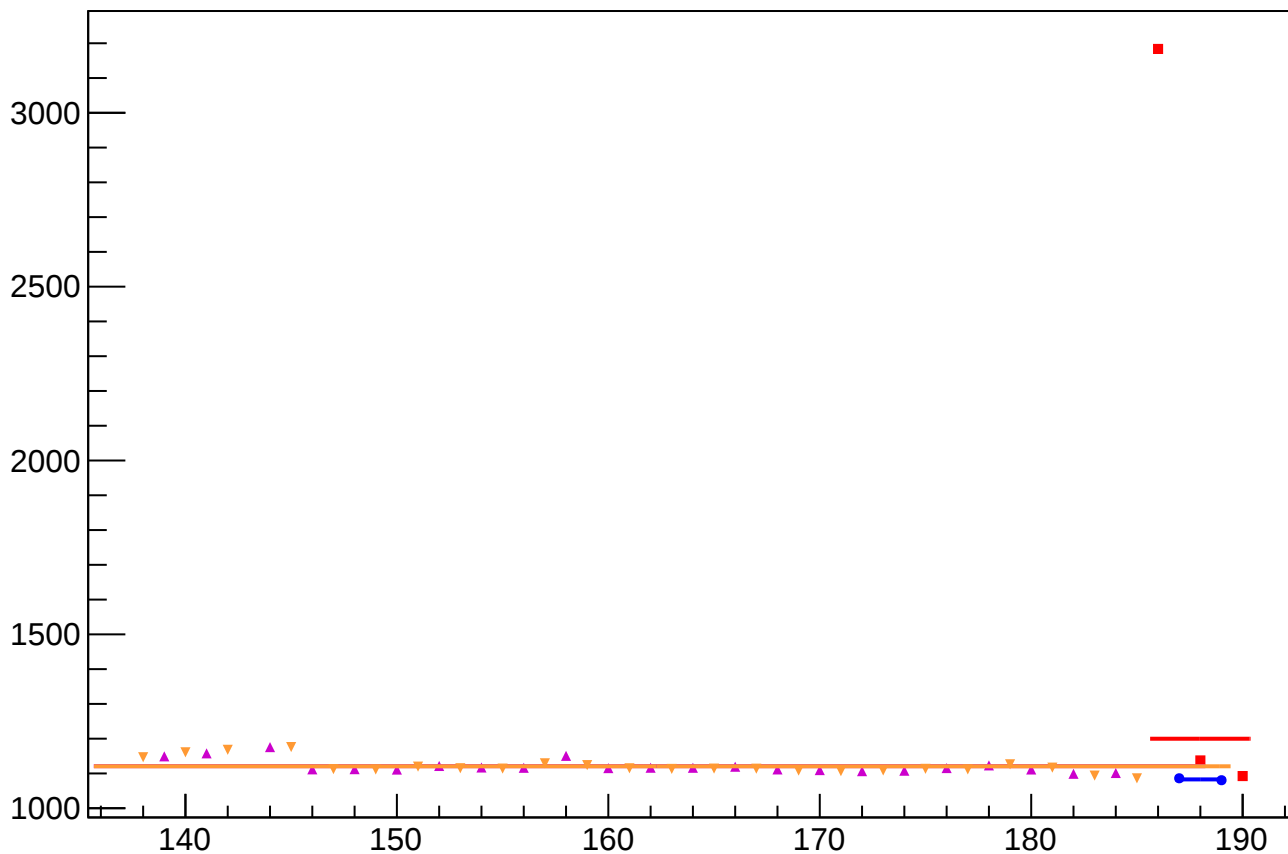
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ 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+/-1.279 χ^2/NDF : 4.6/1

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

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

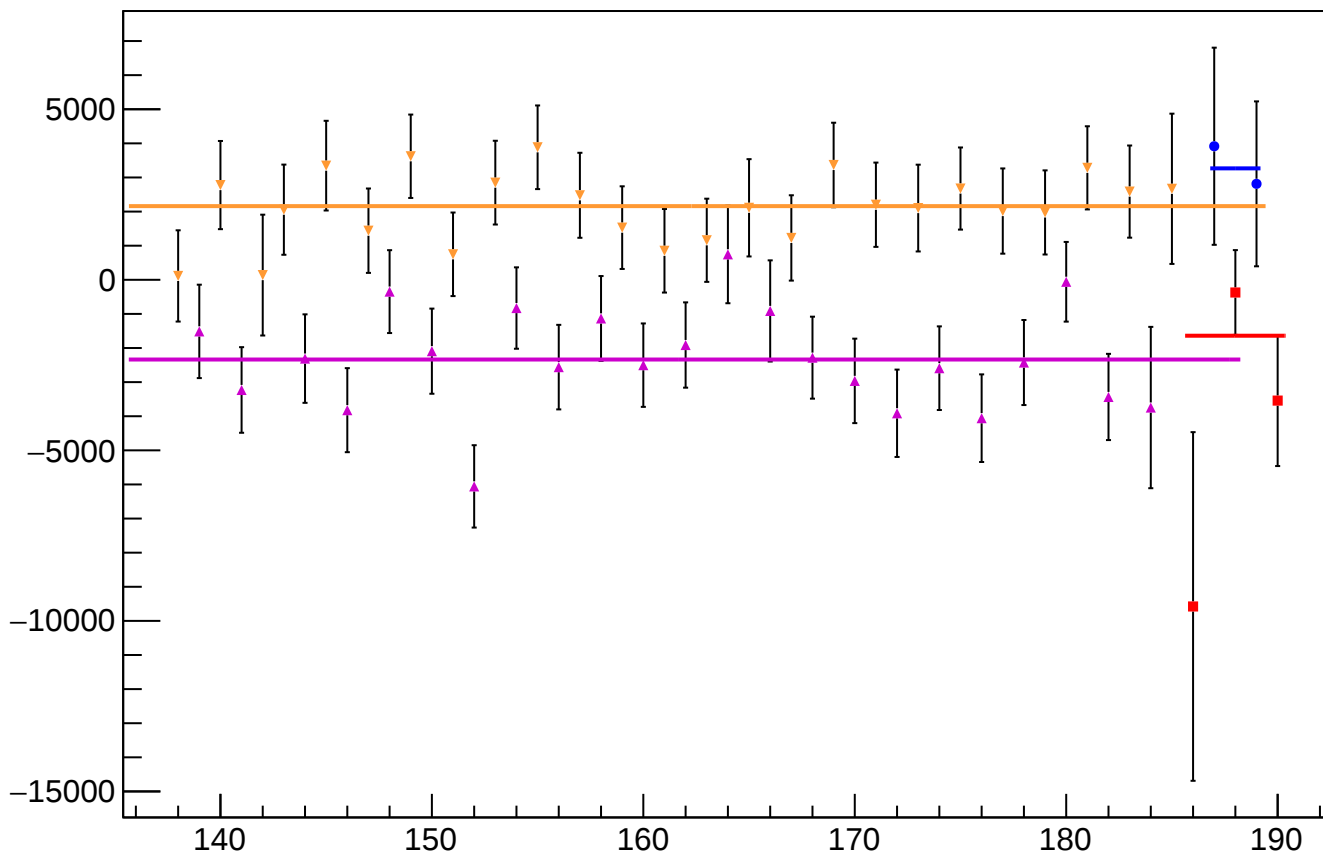
Left In: 1120.977+/-0.191 χ^2/NDF : 9259.6/22

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

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

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

cor_asym_usr_mean vs Slug



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

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

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

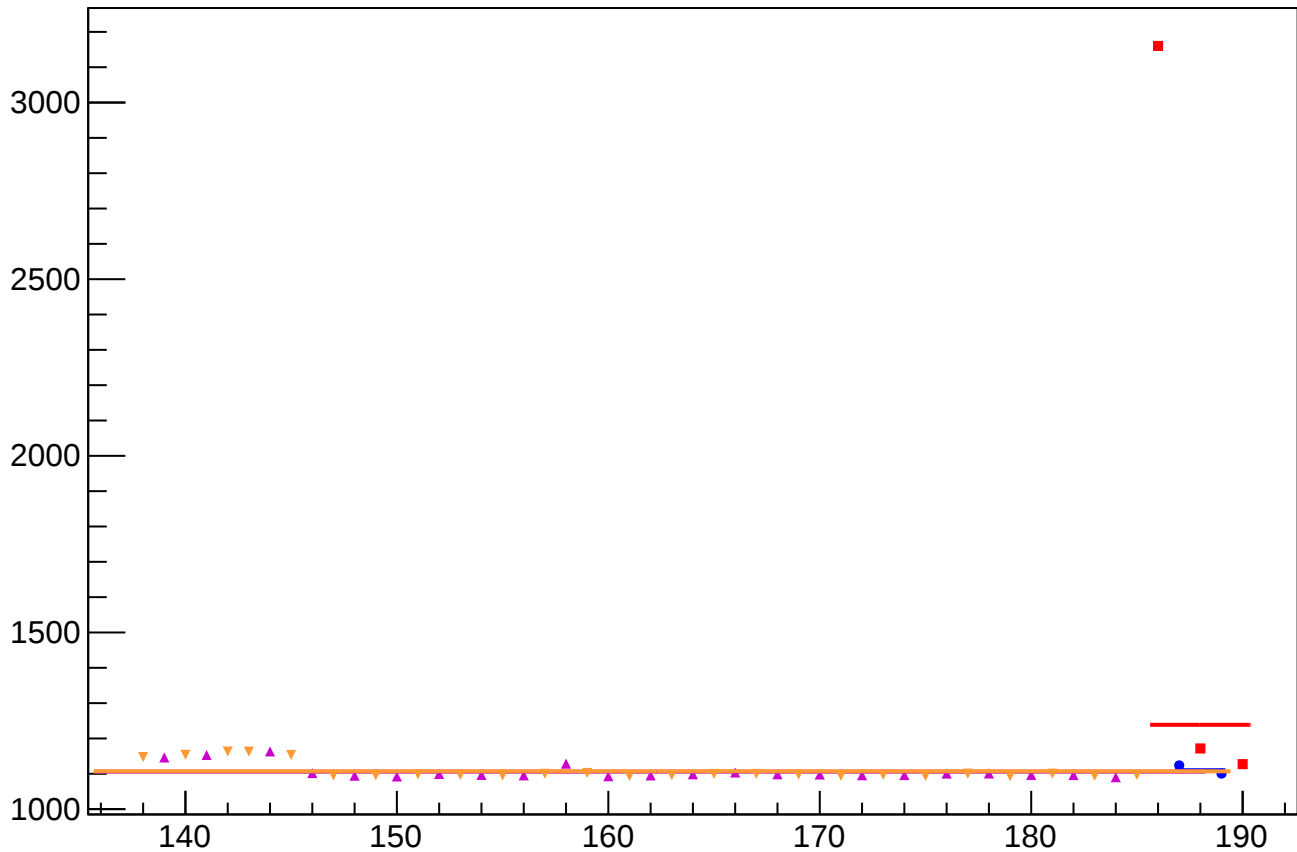
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

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

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

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

cor_asym_usr_rms vs Slug



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

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

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

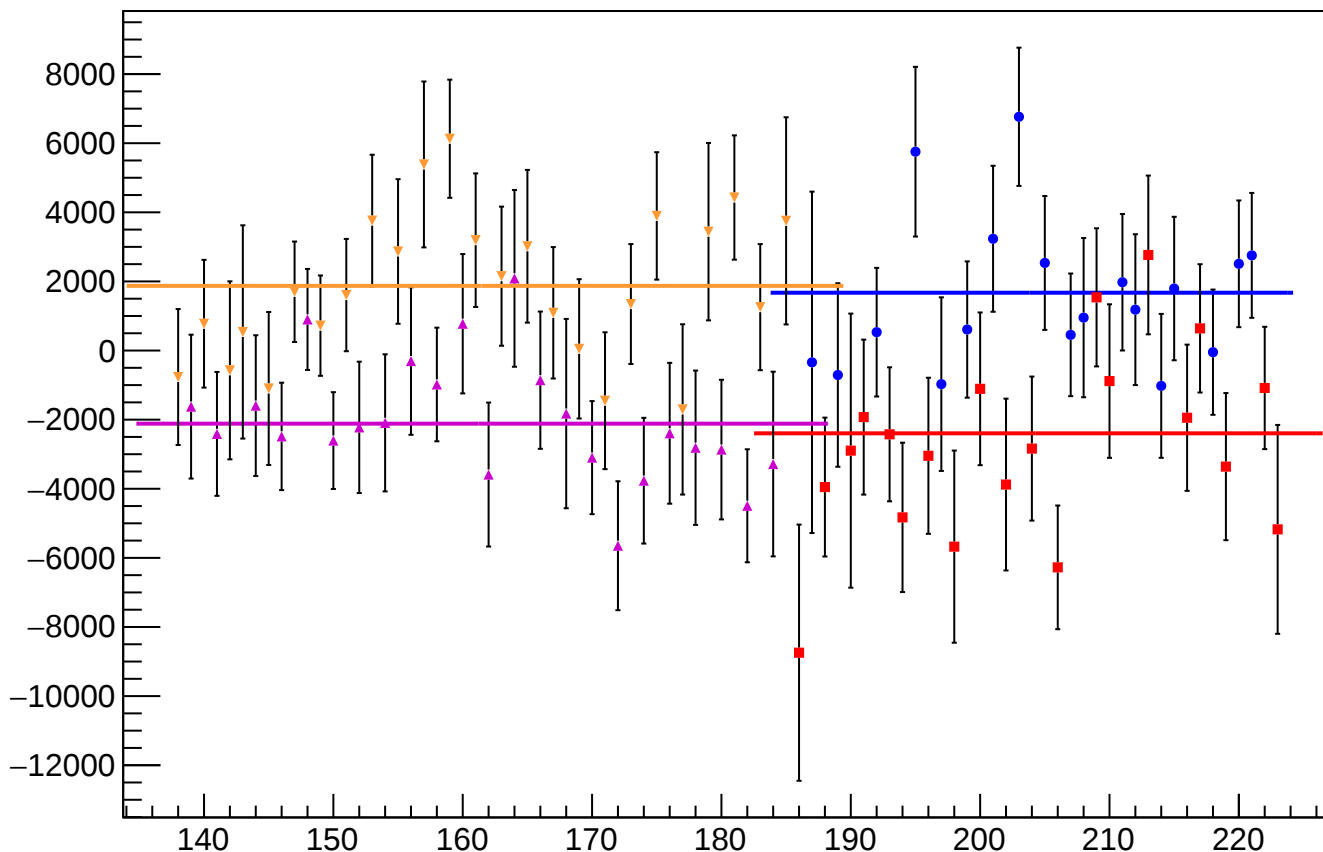
Left In: 1105.955 $\pm$ 0.188 χ^2 /NDF: 11111.3/22

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

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

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

asym_us_agg_avg_mean vs Slug



Right In: 1673.212 $\pm$ 491.667 χ^2 /NDF: 16.5/17

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

Right Out: -2395.756 $\pm$ 493.698 χ^2 /NDF: 25.5/19

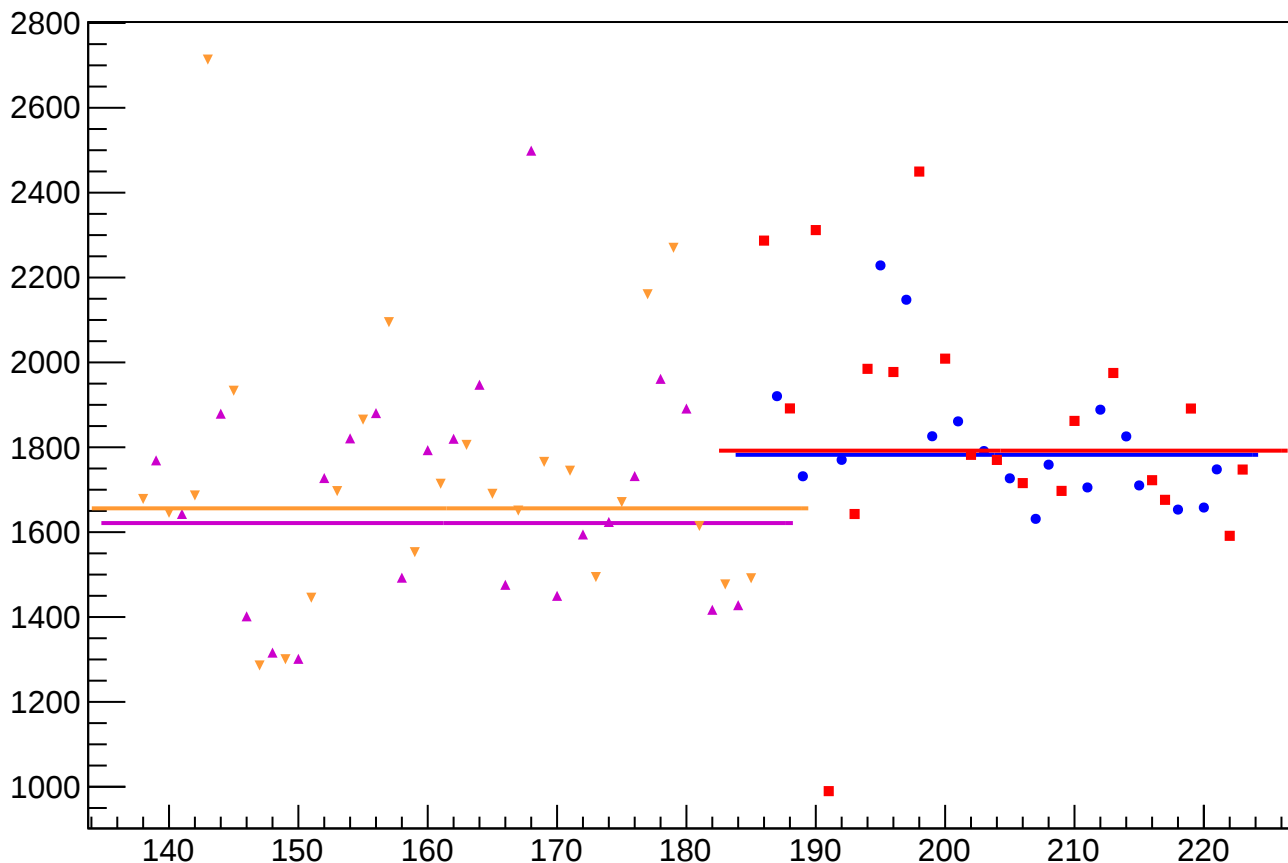
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1794.600 $\pm$ 306.354 χ^2 /NDF: 42.7/42

All: -207.660 $\pm$ 217.020 χ^2 /NDF: 173.0/85

- sign -2224.581 $\pm$ 307.474 χ^2 /NDF: 44.5/42

asym_us_agg_avg_rms vs Slug



Right In: 1782.290+/-0.348 χ^2/NDF : 162024.3/17

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

Right Out: 1792.045+/-0.349 χ^2/NDF : 566898.7/19

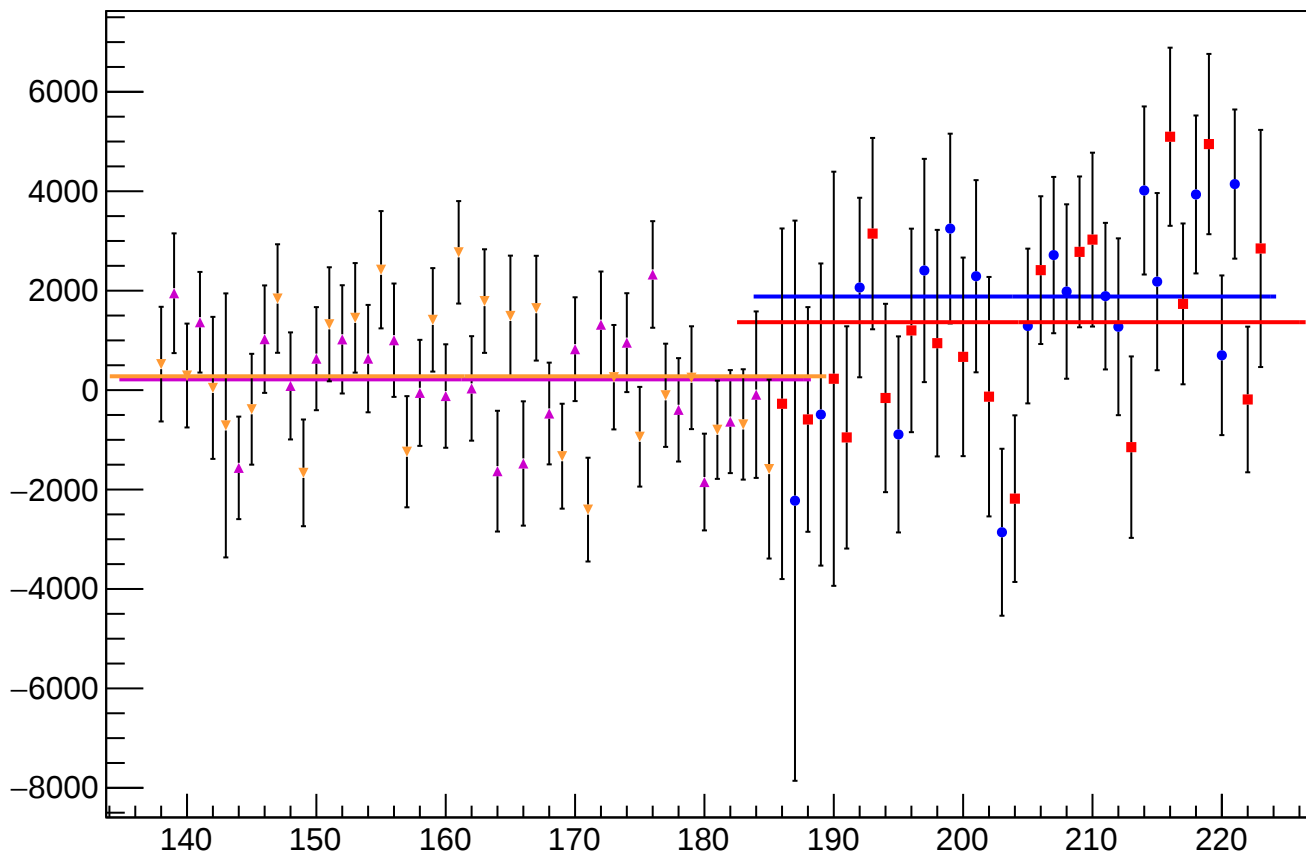
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1705.105+/-0.217 χ^2/NDF : 1153169.5/42

All: 1696.384+/-0.153 χ^2/NDF : 2644865.1/85

- sign 1687.600+/-0.217 χ^2/NDF : 1488442.7/42

asym_us_agg_dd_mean vs Slug



Right In: 1882.569 $\pm$ 422.167 χ^2 /NDF: 18.4/17

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

Right Out: 1366.206 $\pm$ 428.446 χ^2 /NDF: 22.6/19

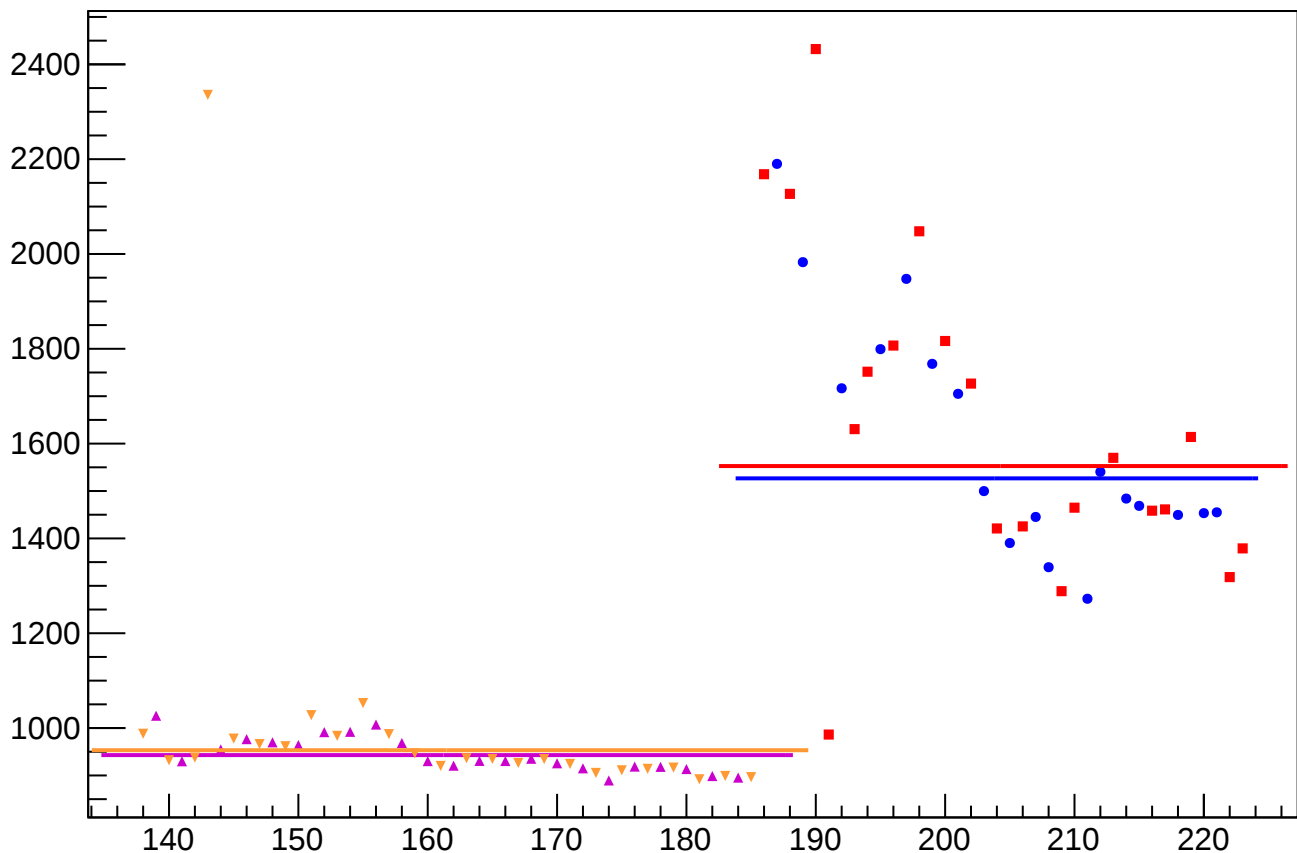
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 629.538 $\pm$ 197.582 χ^2 /NDF: 68.0/42

All: 548.496 $\pm$ 140.426 χ^2 /NDF: 121.1/85

- sign 465.774 $\pm$ 199.618 χ^2 /NDF: 52.7/42

asym_us_agg_dd_rms vs Slug



Right In: 1526.694 $\pm$ 0.299 χ^2 /NDF: 372806.7/17

Left Out: 953.221 $\pm$ 0.158 χ^2 /NDF: 606273.1/24

Right Out: 1552.647 $\pm$ 0.303 χ^2 /NDF: 772450.6/19

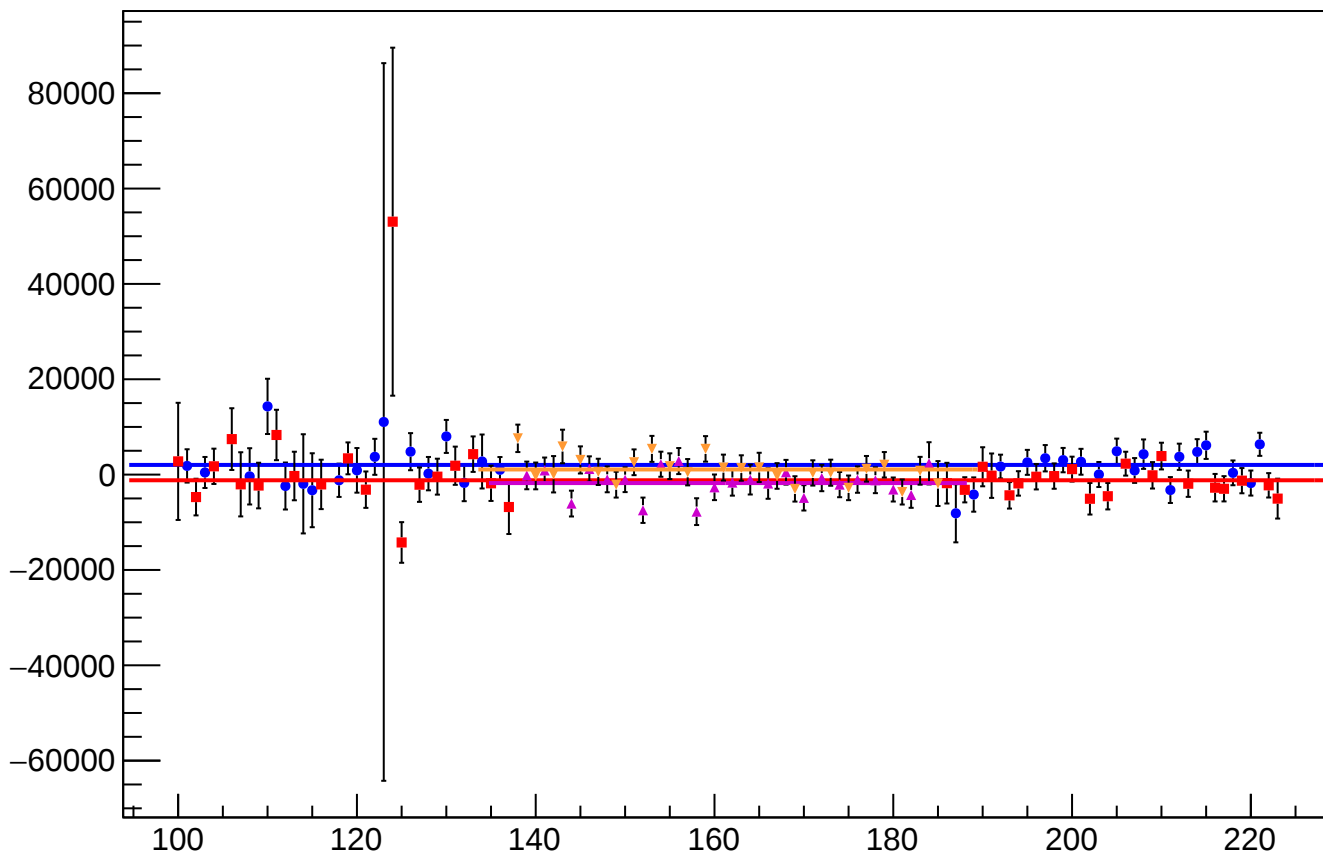
Left In: 942.927 $\pm$ 0.160 χ^2 /NDF: 48402.9/22

+ sign 1078.836 $\pm$ 0.140 χ^2 /NDF: 3861211.0/42

All: 1077.076 $\pm$ 0.099 χ^2 /NDF: 7853549.2/85

- sign 1075.281 $\pm$ 0.141 χ^2 /NDF: 3992017.8/42

reg_asym_atl1_mean vs Slug



Right In: 2030.286 $\pm$ 547.660 χ^2 /NDF: 34.1/34

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

Right Out: -1189.465 $\pm$ 546.469 χ^2 /NDF: 37.8/38

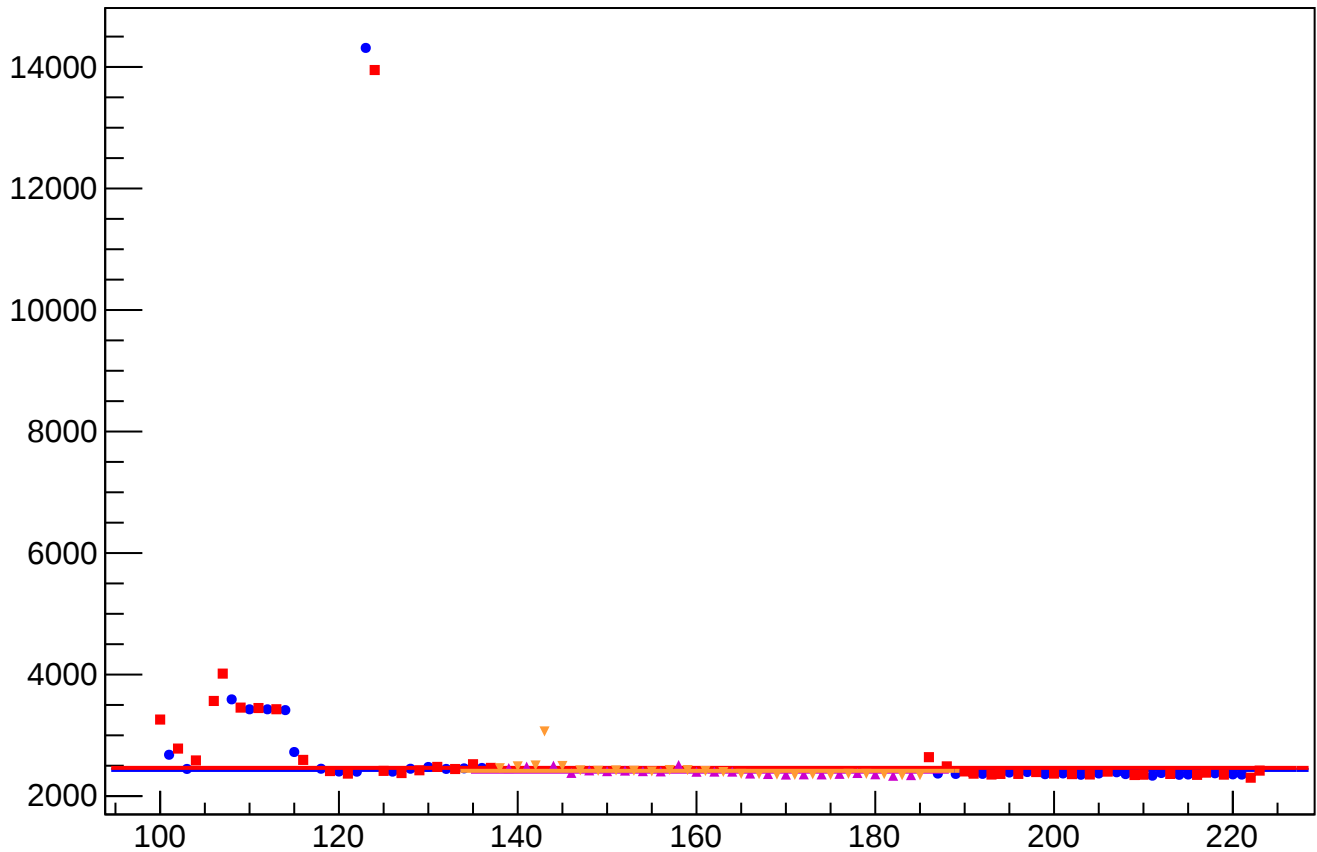
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1568.168 $\pm$ 392.905 χ^2 /NDF: 59.1/59

All: 63.608 $\pm$ 279.056 χ^2 /NDF: 151.1/121

- sign -1467.887 $\pm$ 396.407 χ^2 /NDF: 62.4/61

reg_asym_atl1_rms vs Slug



Right In: 2430.517 $\pm$ 0.387 χ^2 /NDF: 321405.3/34

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

Right Out: 2464.668 $\pm$ 0.386 χ^2 /NDF: 668788.4/38

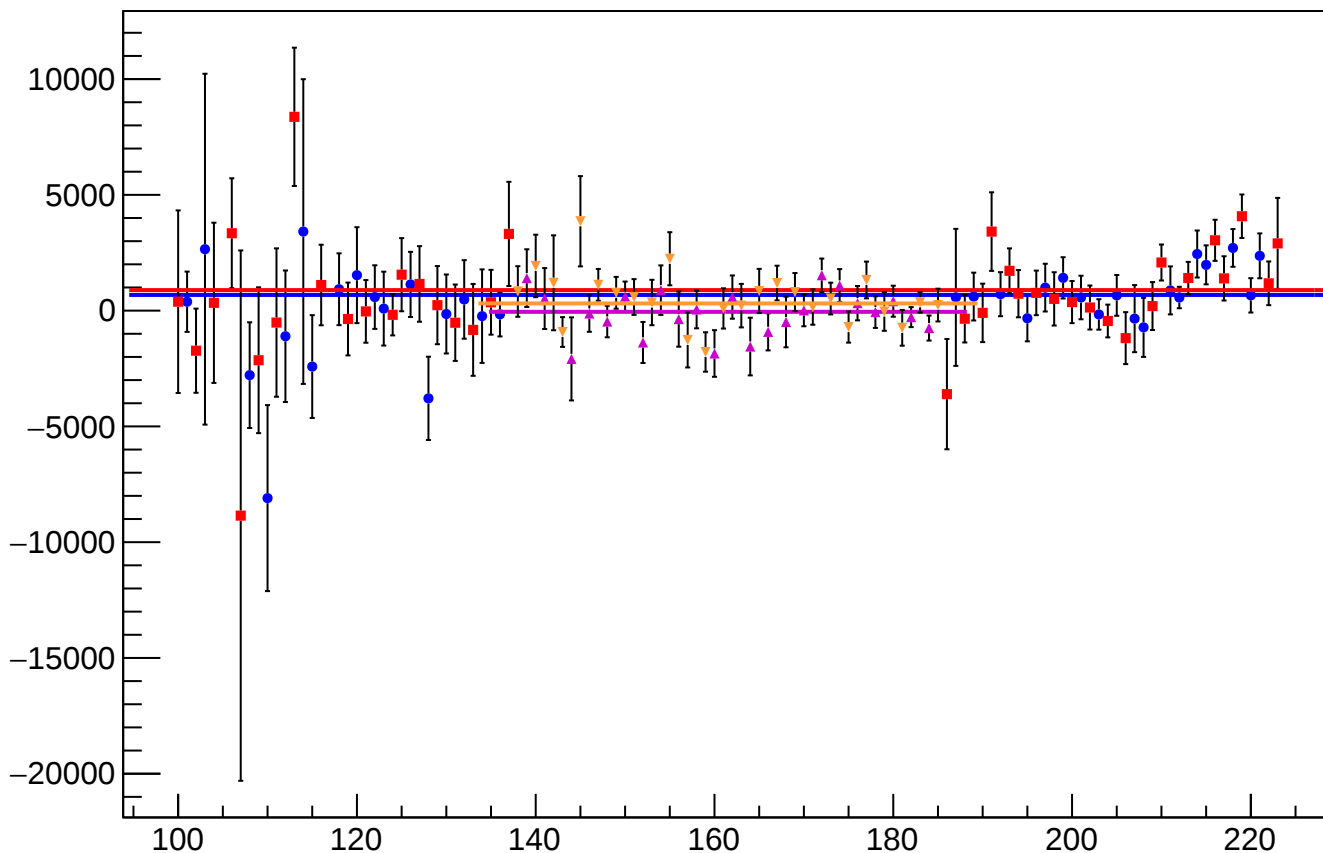
Left In: 2401.422 $\pm$ 0.407 χ^2 /NDF: 13747.6/22

+ sign 2423.482 $\pm$ 0.278 χ^2 /NDF: 404721.6/59

All: 2429.042 $\pm$ 0.197 χ^2 /NDF: 1100758.8/12

- sign 2434.702 $\pm$ 0.280 χ^2 /NDF: 695229.0/61

asym_atl1_correction_mean vs Slug



Right In: 678.149 $\pm$ 185.113 χ^2/NDF : 37.5/34

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

Right Out: 886.754 $\pm$ 194.100 χ^2/NDF : 55.8/38

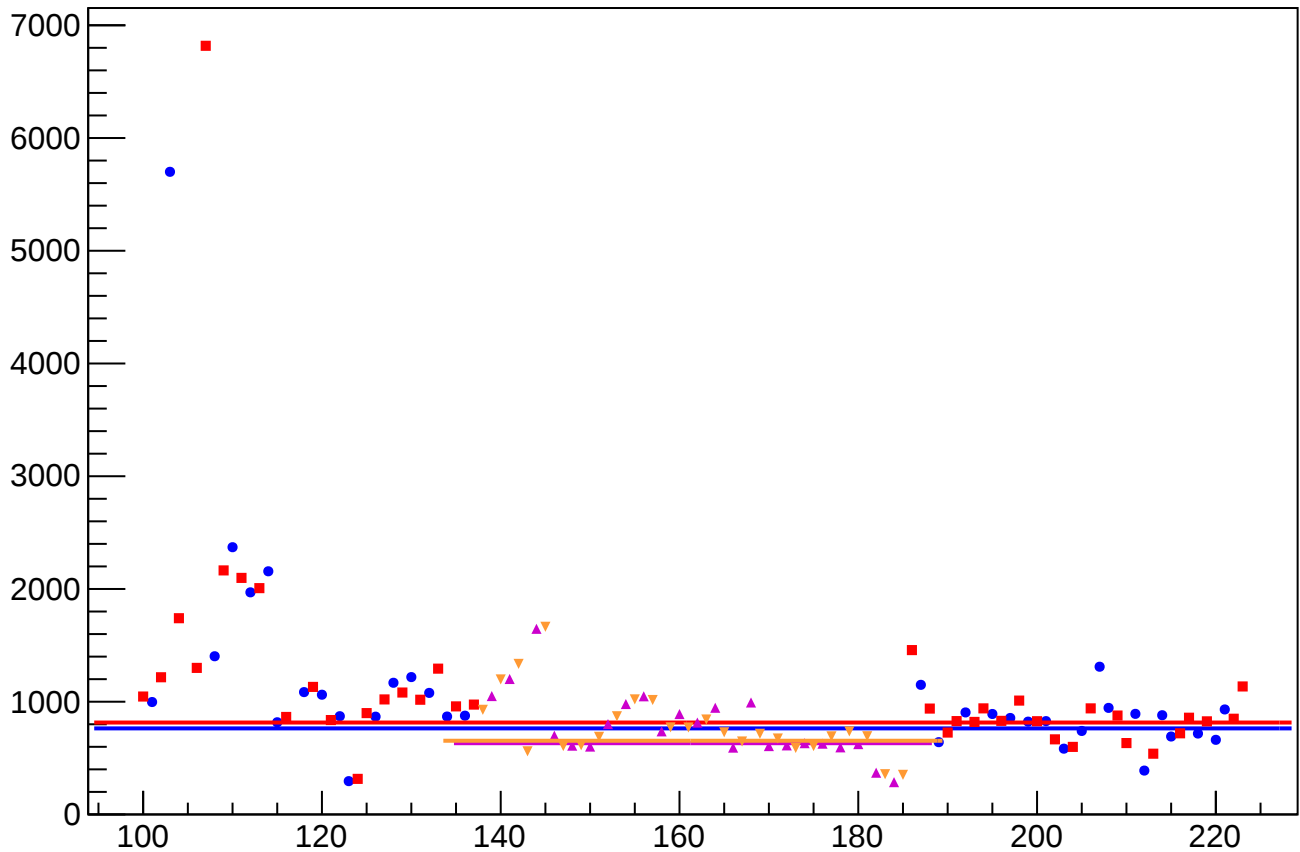
Left In: -51.454 $\pm$ 161.744 χ^2/NDF : 23.8/22

+ sign 468.655 $\pm$ 121.331 χ^2/NDF : 69.4/59

All: 402.464 $\pm$ 86.810 χ^2/NDF : 163.5/121

- sign 333.040 $\pm$ 124.257 χ^2/NDF : 93.4/61

asym_atl1_correction_rms vs Slug



Right In: 763.363 $\pm$ 0.131 χ^2 /NDF: 4644073.9/34

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

Right Out: 815.331 $\pm$ 0.137 χ^2 /NDF: 3914297.2/38

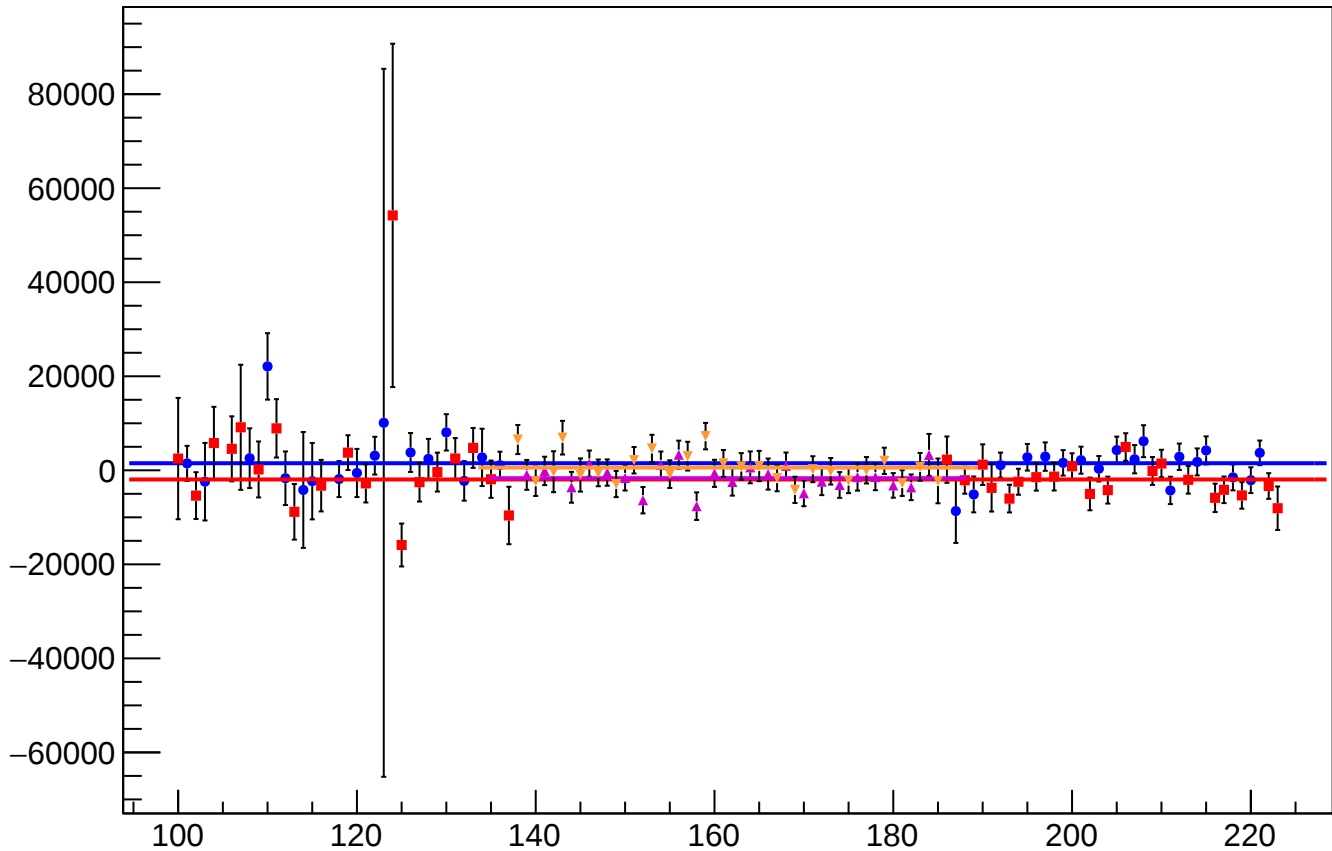
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 700.870 $\pm$ 0.086 χ^2 /NDF: 8298382.1/59

All: 703.942 $\pm$ 0.061 χ^2 /NDF: 17210570.9/12

- sign 707.164 $\pm$ 0.088 χ^2 /NDF: 8909562.3/61

asym_atl1_mean vs Slug



Right In: 1504.603 $\pm$ 597.138 χ^2 /NDF: 32.3/34

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

Right Out: -1948.702 $\pm$ 599.345 χ^2 /NDF: 46.0/38

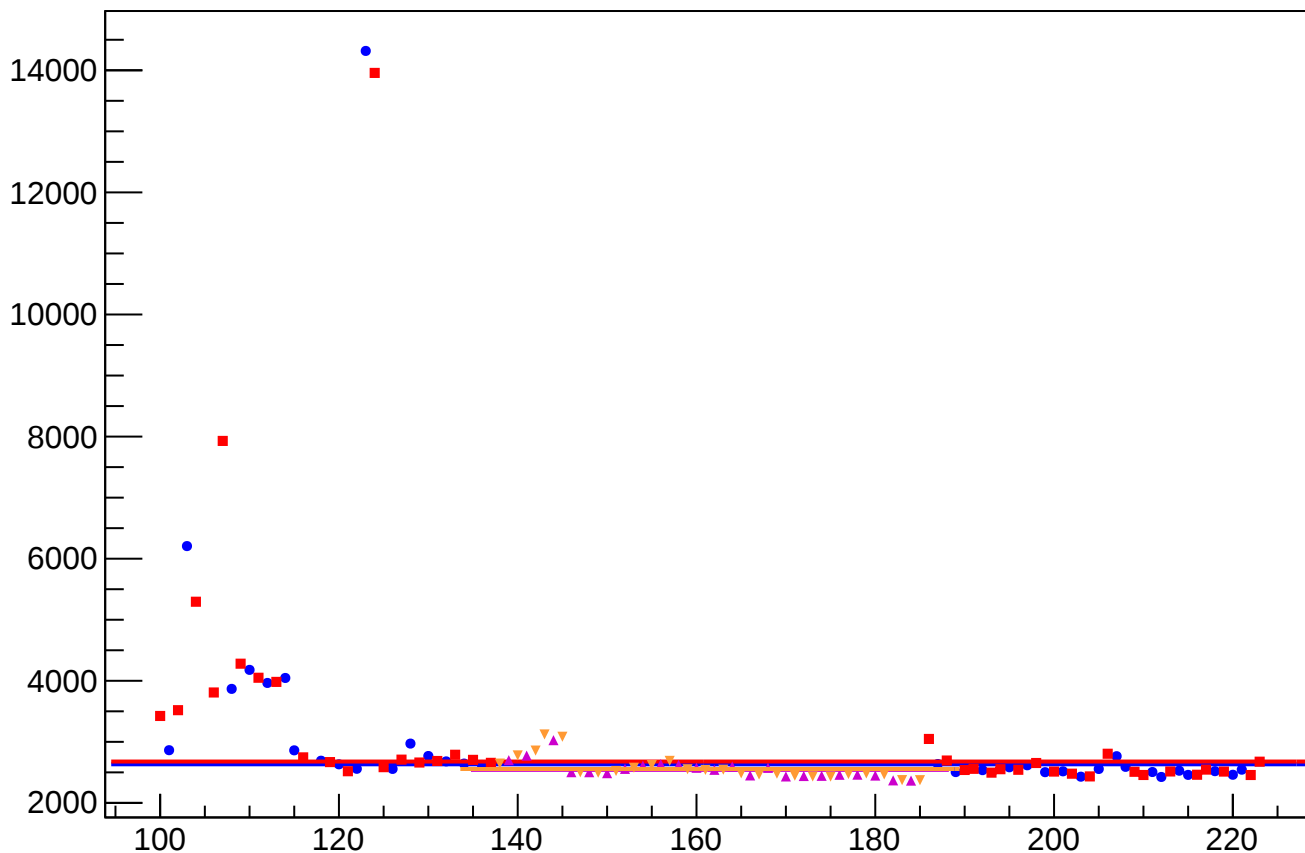
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 1042.768 $\pm$ 422.253 χ^2 /NDF: 58.8/59

All: -369.038 $\pm$ 300.435 χ^2 /NDF: 145.8/121

- sign -1816.532 $\pm$ 427.556 χ^2 /NDF: 64.3/61

asym_atl1_rms vs Slug



Right In: 2632.182 $\pm$ 0.422 χ^2 /NDF: 824892.4/34

Left Out: 2555.279 $\pm$ 0.422 χ^2 /NDF: 154743.6/24

Right Out: 2677.498 $\pm$ 0.424 χ^2 /NDF: 1317799.9/38

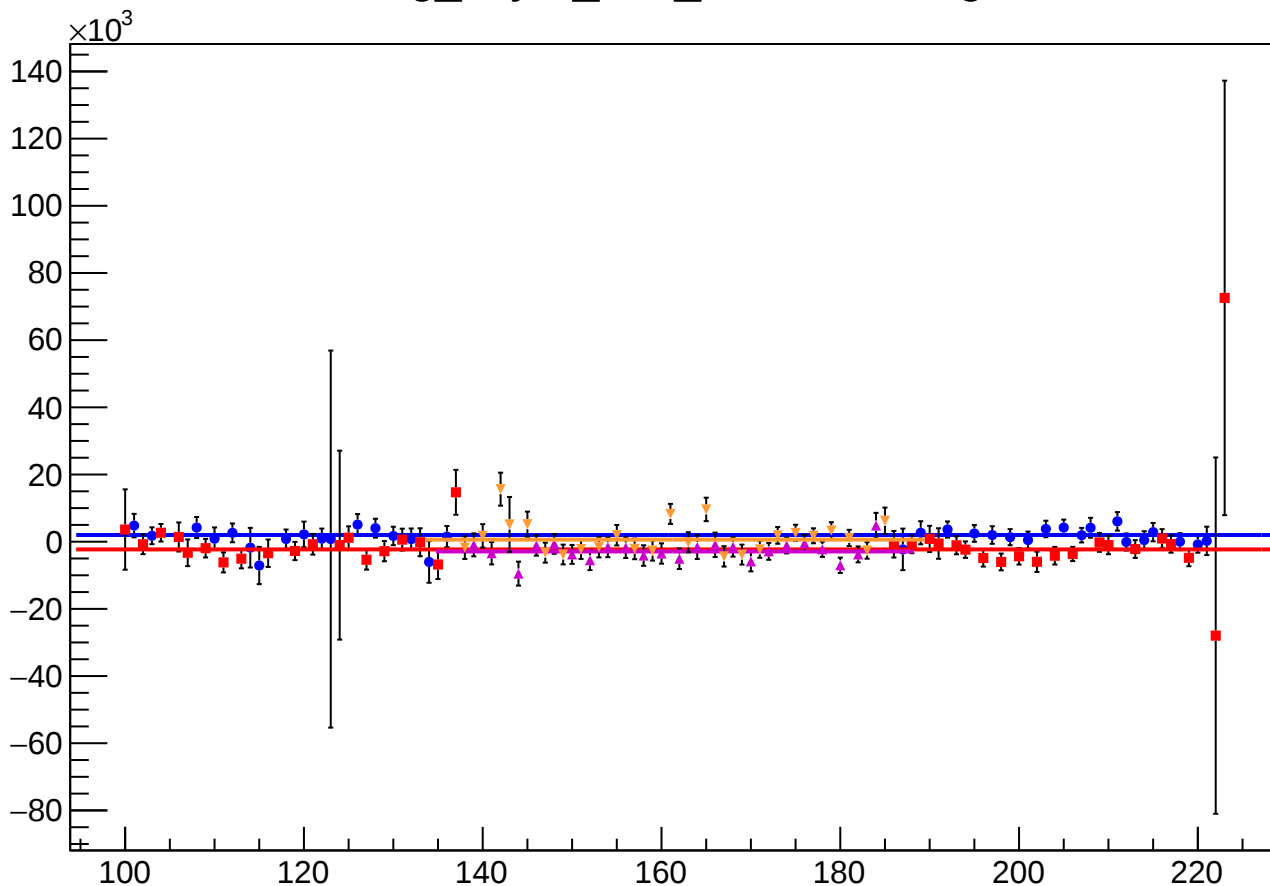
Left In: 2540.988 $\pm$ 0.431 χ^2 /NDF: 94756.7/22

+ sign 2593.733 $\pm$ 0.299 χ^2 /NDF: 996220.6/59

All: 2601.991 $\pm$ 0.212 χ^2 /NDF: 2461280.6/12

- sign 2610.458 $\pm$ 0.302 χ^2 /NDF: 1463510.6/61

reg_asym_atl2_mean vs Slug



Right In: 1995.931 ± 497.427 $\chi^2/\text{NDF}: 16.8/34$

Left Out: 614.867 ± 591.148 $\chi^2/\text{NDF}: 45.2/24$

Right Out: -2297.527 ± 498.155 $\chi^2/\text{NDF}: 31.6/38$

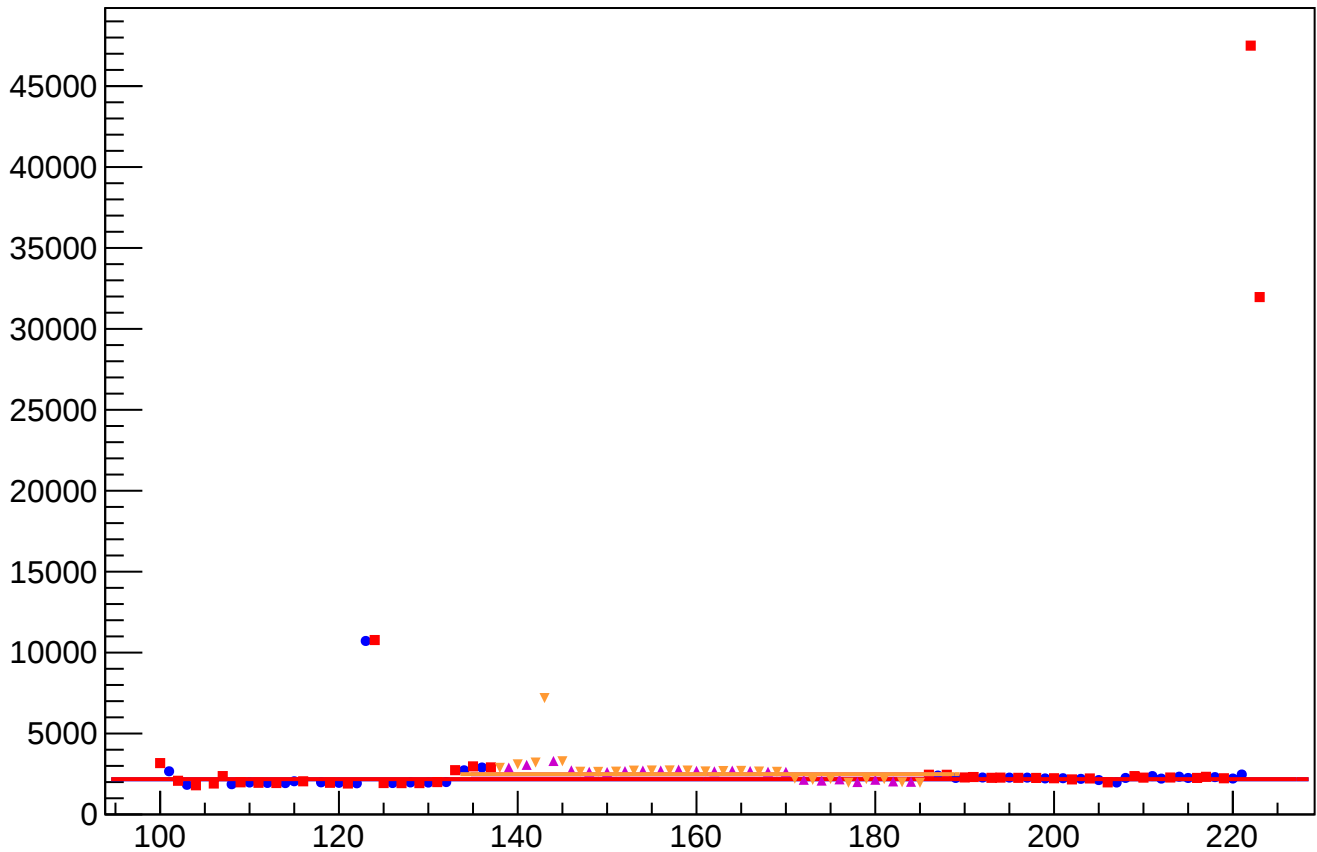
Left In: -2909.108 ± 599.673 $\chi^2/\text{NDF}: 17.4/22$

+ sign 1423.427 ± 380.608 $\chi^2/\text{NDF}: 65.2/59$

All: -548.504 ± 270.038 $\chi^2/\text{NDF}: 168.9/121$

- sign -2547.243 ± 383.187 $\chi^2/\text{NDF}: 49.6/61$

reg_asym_atl2_rms vs Slug



Right In: 2170.092 $\pm$ 0.352 χ^2 /NDF: 428567.7/34

Left Out: 2489.577 $\pm$ 0.418 χ^2 /NDF: 1364203.3/24

Right Out: 2182.498 $\pm$ 0.352 χ^2 /NDF: 2501724.7/38

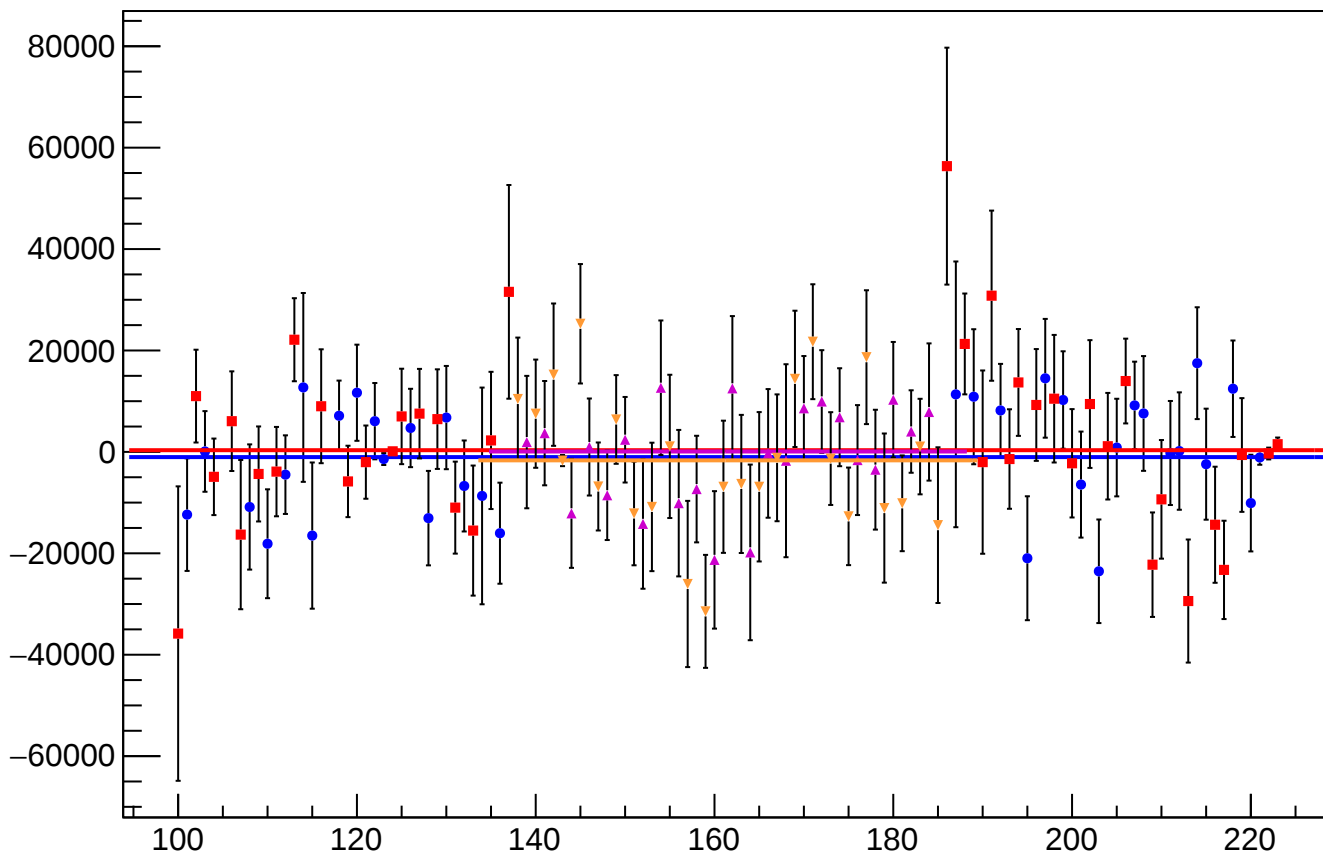
Left In: 2479.348 $\pm$ 0.424 χ^2 /NDF: 668398.2/22

+ sign 2302.530 $\pm$ 0.269 χ^2 /NDF: 2134778.9/59

All: 2303.113 $\pm$ 0.191 χ^2 /NDF: 5594893.9/12

- sign 2303.705 $\pm$ 0.271 χ^2 /NDF: 3460105.6/61

asym_atl2_correction_mean vs Slug



Right In: -1025.665 ± 807.854 χ^2/NDF : 36.6/34

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

Right Out: 335.423 ± 532.351 χ^2/NDF : 60.9/38

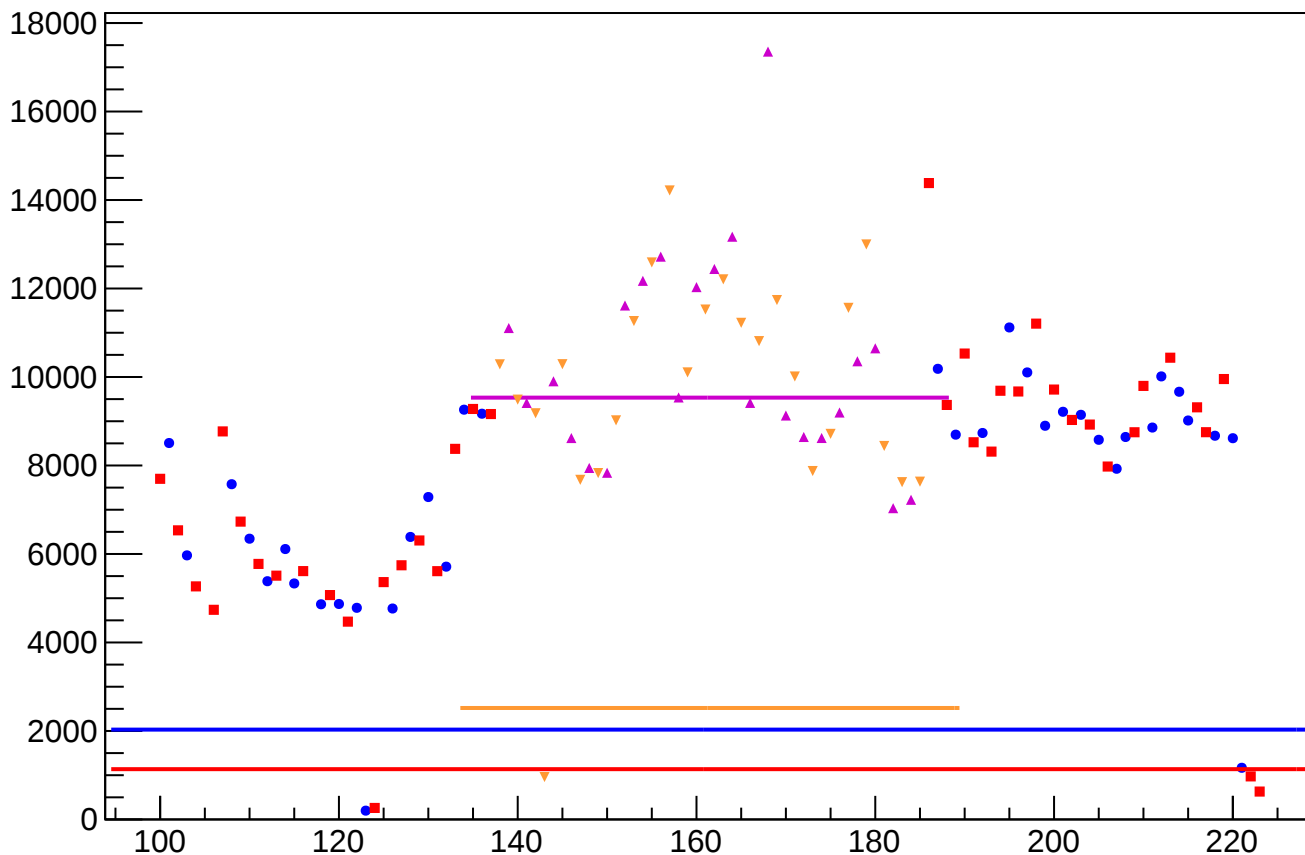
Left In: 80.274 ± 2331.531 χ^2/NDF : 13.8/22

+ sign -1280.437 ± 626.680 χ^2/NDF : 69.3/59

All: -329.457 ± 399.717 χ^2/NDF : 147.9/121

- sign 322.780 ± 518.995 χ^2/NDF : 74.7/61

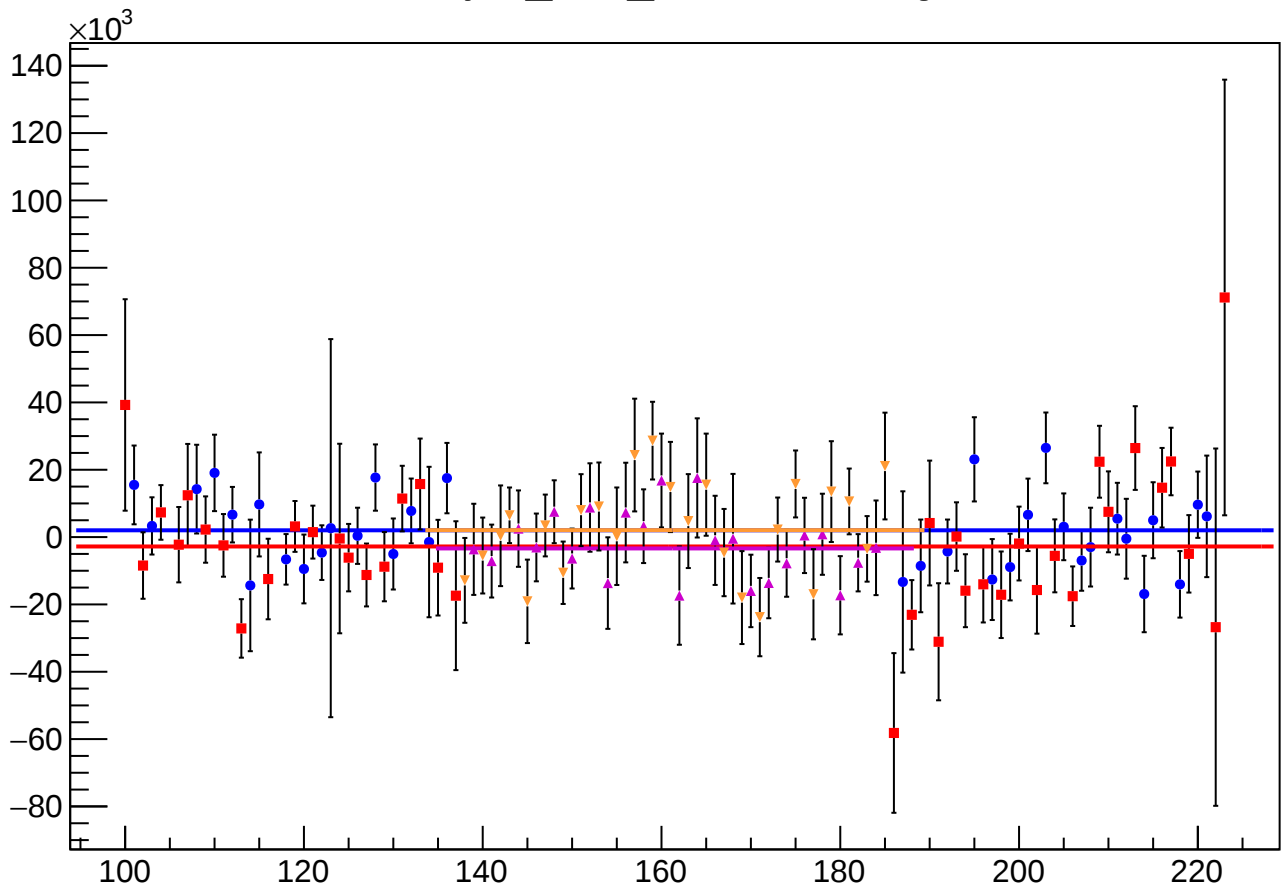
asym_atl2_correction_rms vs Slug



Right In: 2030.508 $\pm$ 0.571 χ^2 /NDF: 26478185.2/34
 Left Out: 2519.359 $\pm$ 0.702 χ^2 /NDF: 23642118.3/24
 Right Out: 1136.677 $\pm$ 0.376 χ^2 /NDF: 31445614.8/38
 Left In: 9533.563 $\pm$ 1.649 χ^2 /NDF: 1316640.0/22

+ sign 2225.186 $\pm$ 0.443 χ^2 /NDF: 50411950.7/59
 All: 1826.313 $\pm$ 0.283 χ^2 /NDF: 109195608.1
 - sign 1552.743 $\pm$ 0.367 χ^2 /NDF: 57417728.5/61

asym_atl2_mean vs Slug



Right In: 2015.290+/-1829.927 χ^2/NDF : 34.6/34

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

Right Out: -2788.319+/-1819.066 χ^2/NDF : 61.9/38

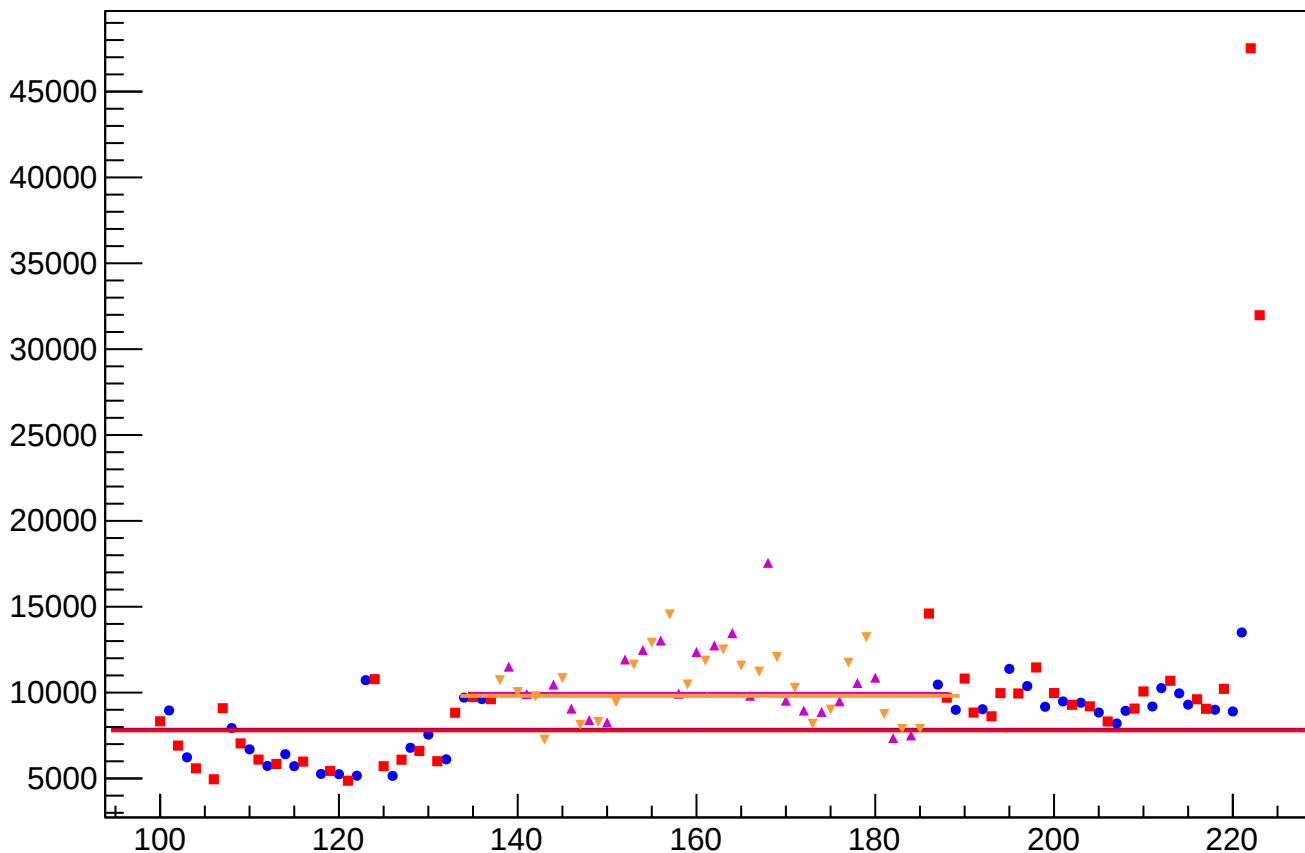
Left In: -3371.931+/-2423.242 χ^2/NDF : 13.1/22

+ sign 2030.773+/-1439.964 χ^2/NDF : 65.3/59

All: -458.199+/-1023.407 χ^2/NDF : 146.4/121

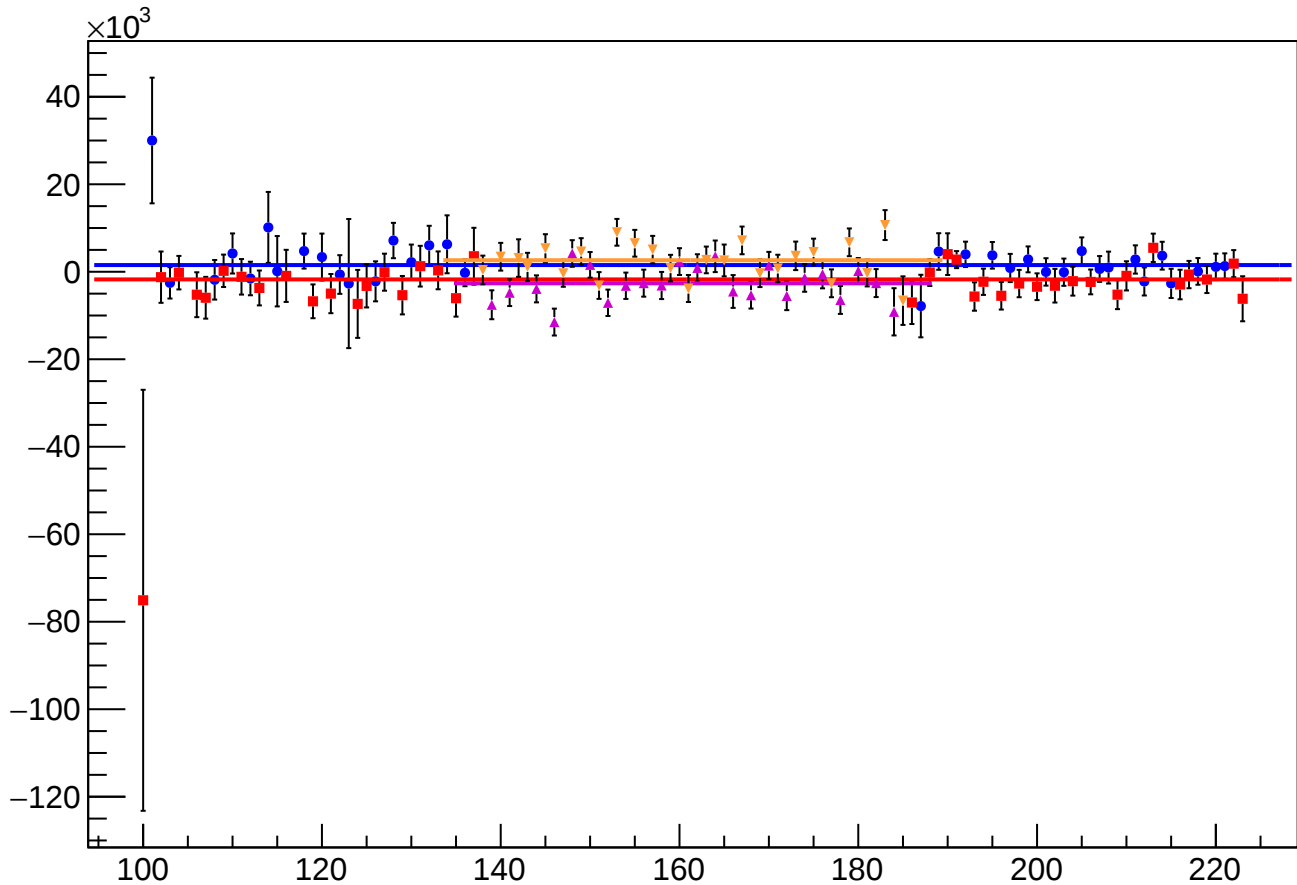
- sign -2998.661+/-1454.782 χ^2/NDF : 75.1/61

asym_atl2_rms vs Slug



Right In: 7833.424+/-1.294	χ^2/NDF : 2196009.7/34	+ sign 8586.448+/-1.018	χ^2/NDF : 4299363.7/59
Left Out: 9811.053+/-1.650	χ^2/NDF : 1213831.0/24	All: 8576.688+/-0.724	χ^2/NDF : 10404011.7/1
Right Out: 7801.255+/-1.286	χ^2/NDF : 3910023.0/38	- sign 8566.727+/-1.029	χ^2/NDF : 6104462.3/61
Left In: 9925.337+/-1.713	χ^2/NDF : 1211554.7/22		

reg_asym_atr1_mean vs Slug



Right In: 1530.915 ± 631.179 χ^2/NDF : 22.7/34

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

Right Out: -1747.853 ± 593.961 χ^2/NDF : 30.6/38

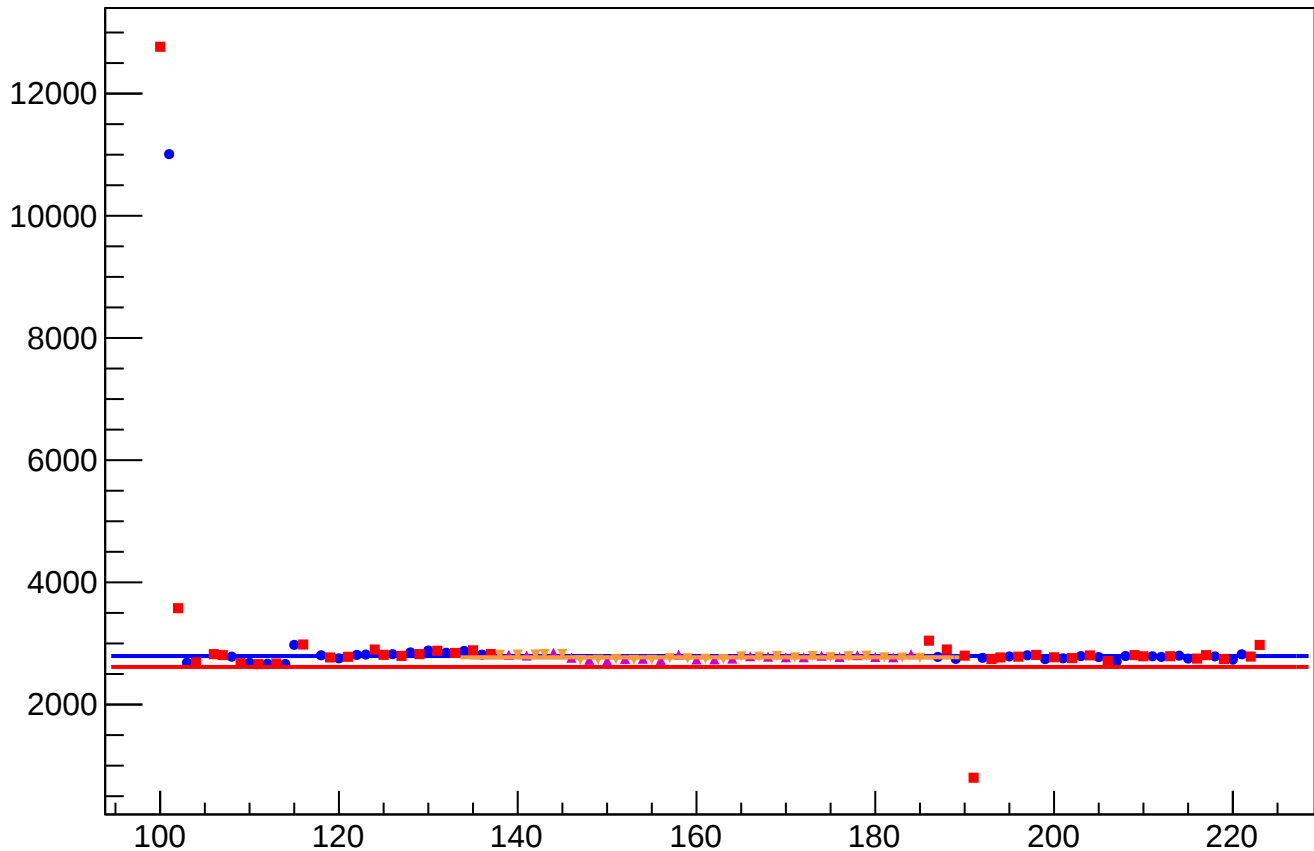
Left In: -2638.607 ± 664.569 χ^2/NDF : 35.2/22

+ sign 2070.451 ± 451.501 χ^2/NDF : 59.3/59

All: -77.187 ± 316.160 χ^2/NDF : 170.4/121

- sign -2143.412 ± 442.861 χ^2/NDF : 66.8/61

reg_asym_atr1_rms vs Slug



Right In: 2793.979 ± 0.446 χ^2/NDF : 668023.3/34

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

Right Out: 2615.708 ± 0.420 χ^2/NDF : 2057606.0/38

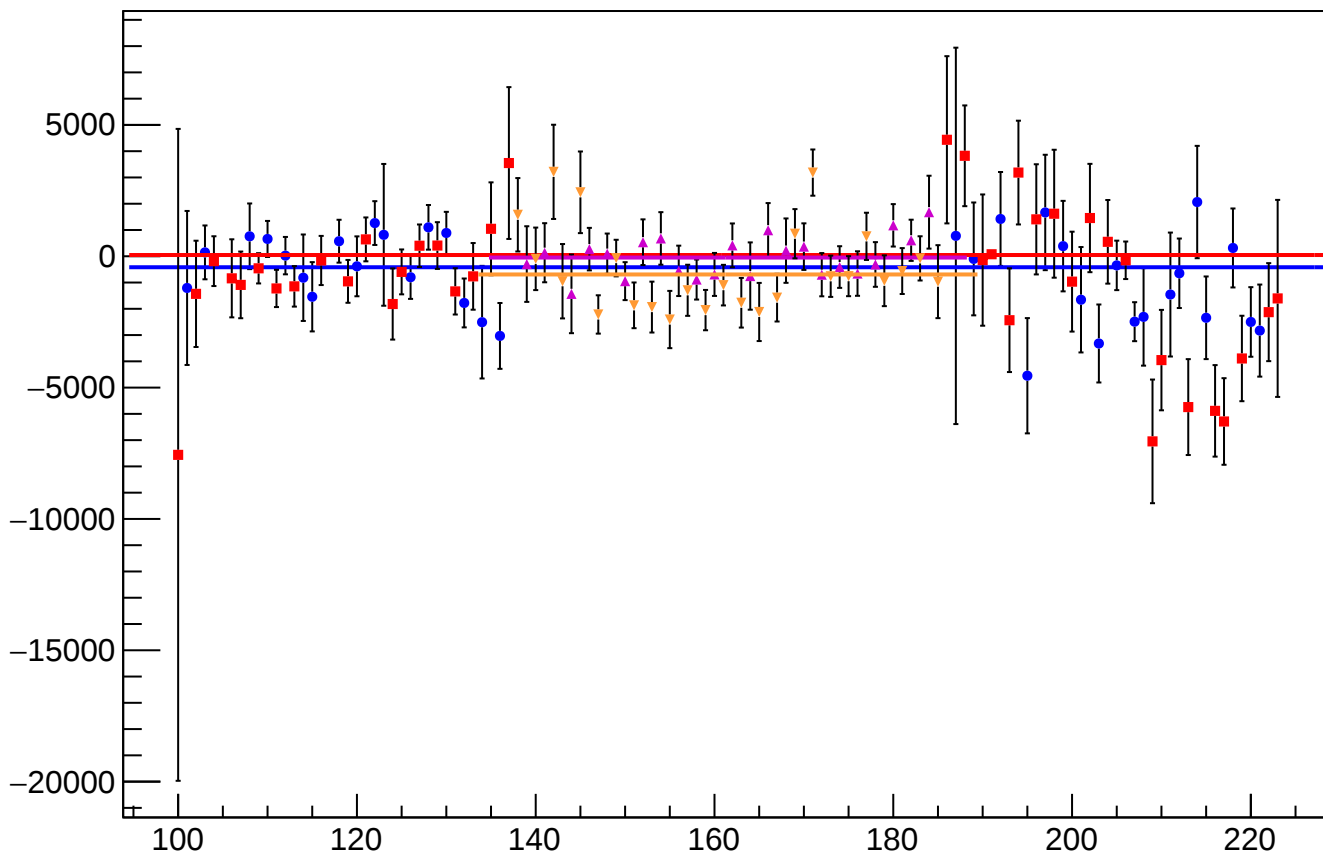
Left In: 2774.036 ± 0.470 χ^2/NDF : 4985.3/22

+ sign 2784.083 ± 0.319 χ^2/NDF : 673646.5/59

All: 2734.103 ± 0.224 χ^2/NDF : 2847433.5/12

- sign 2686.017 ± 0.313 χ^2/NDF : 2125699.3/61

asym_atr1_correction_mean vs Slug



Right In: -417.929 ± 200.153 χ^2/NDF : 50.6/34

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

Right Out: 47.417 ± 37.764 χ^2/NDF : 87.6/38

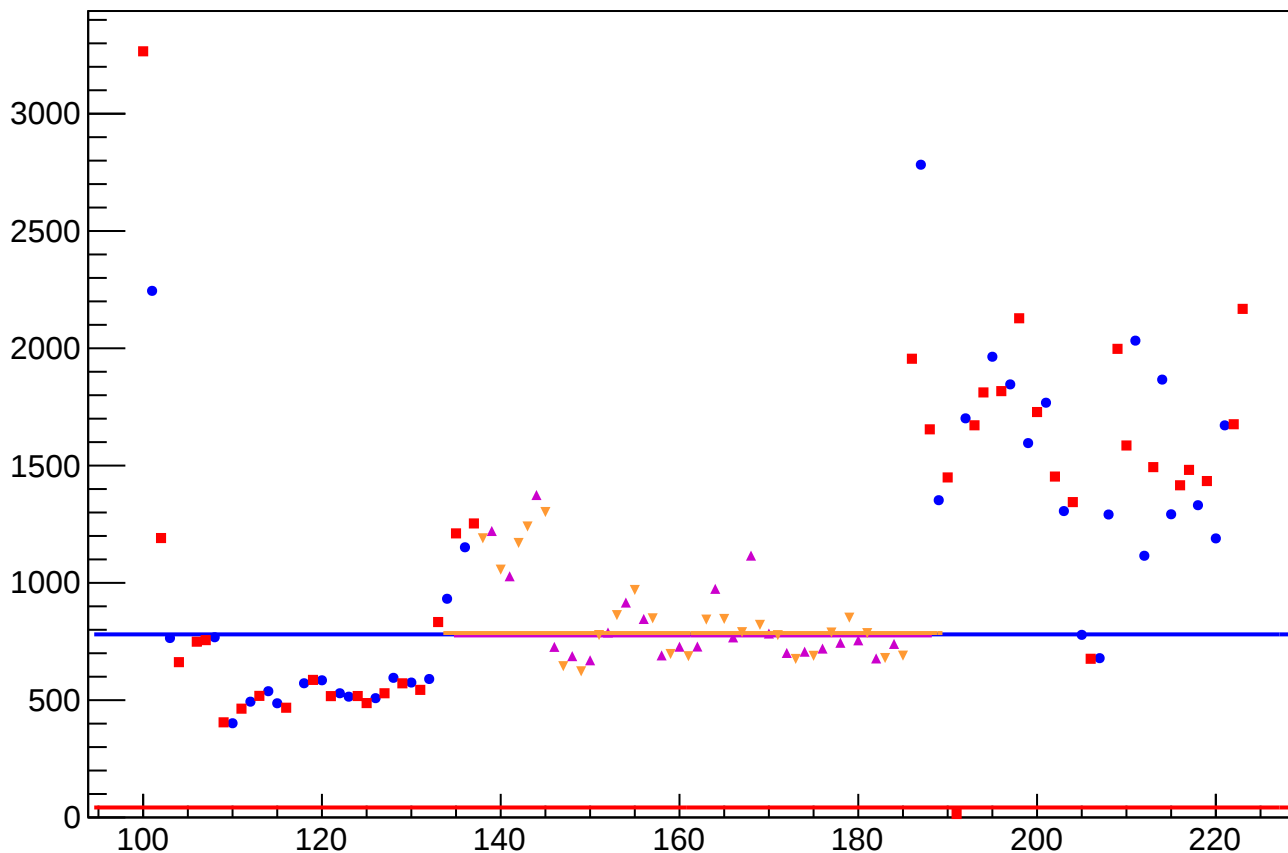
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -564.479 ± 136.758 χ^2/NDF : 107.6/59

All: 2.162 ± 35.746 χ^2/NDF : 227.6/121

- sign 43.714 ± 37.033 χ^2/NDF : 101.5/61

asym_atr1_correction_rms vs Slug



Right In: 780.435 $\pm$ 0.142 χ^2 /NDF: 8329588.2/34

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

Right Out: 42.512 $\pm$ 0.027 χ^2 /NDF: 37260434.4/38

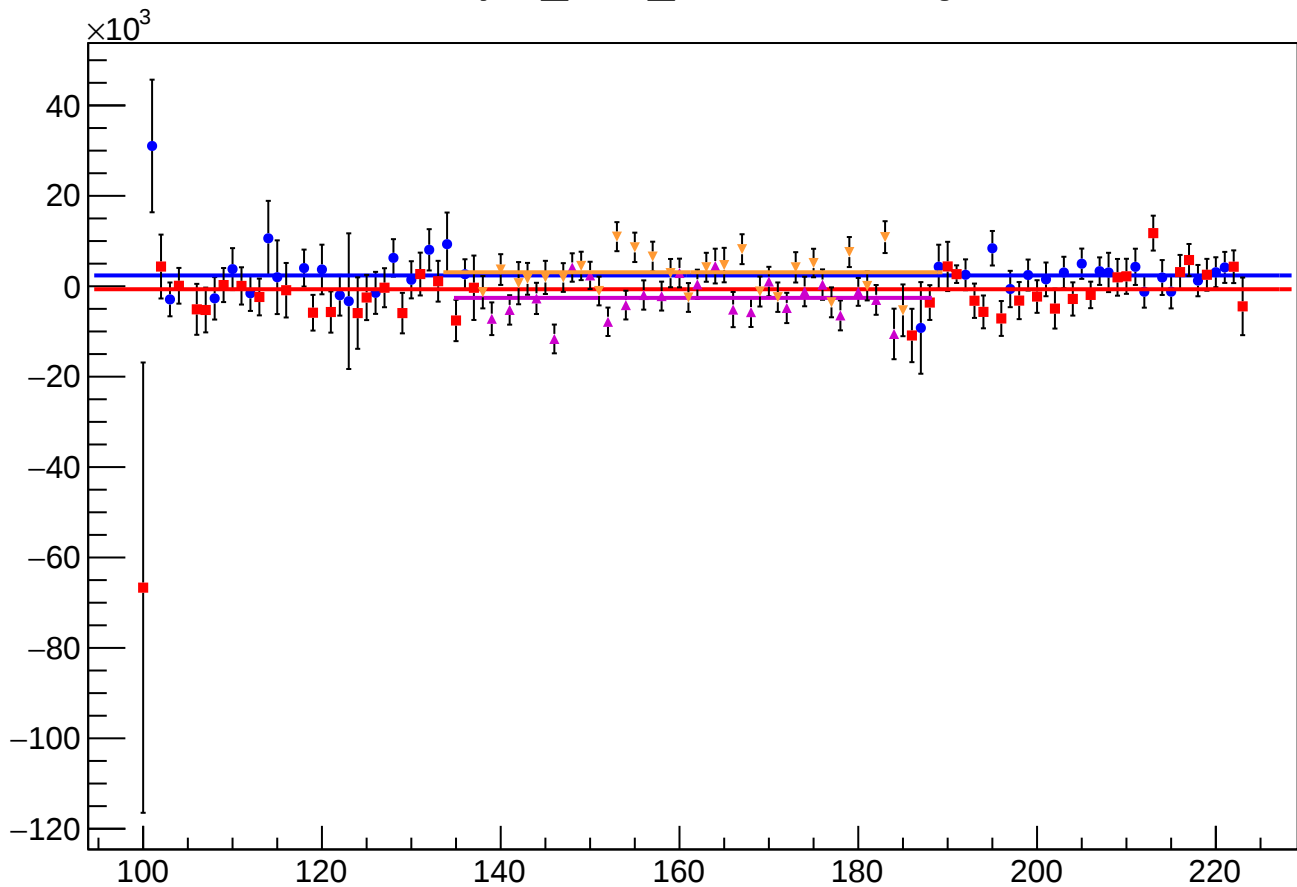
Left In: 775.930 $\pm$ 0.134 χ^2 /NDF: 1056766.5/22

+ sign 783.494 $\pm$ 0.097 χ^2 /NDF: 9580000.7/59

All: 119.317 $\pm$ 0.025 χ^2 /NDF: 127433742.1/1

- sign 70.614 $\pm$ 0.026 χ^2 /NDF: 67222022.0/61

asym_atr1_mean vs Slug



Right In: 2393.801 ± 701.099 χ^2/NDF : 22.5/34

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

Right Out: -659.740 ± 657.237 χ^2/NDF : 45.2/38

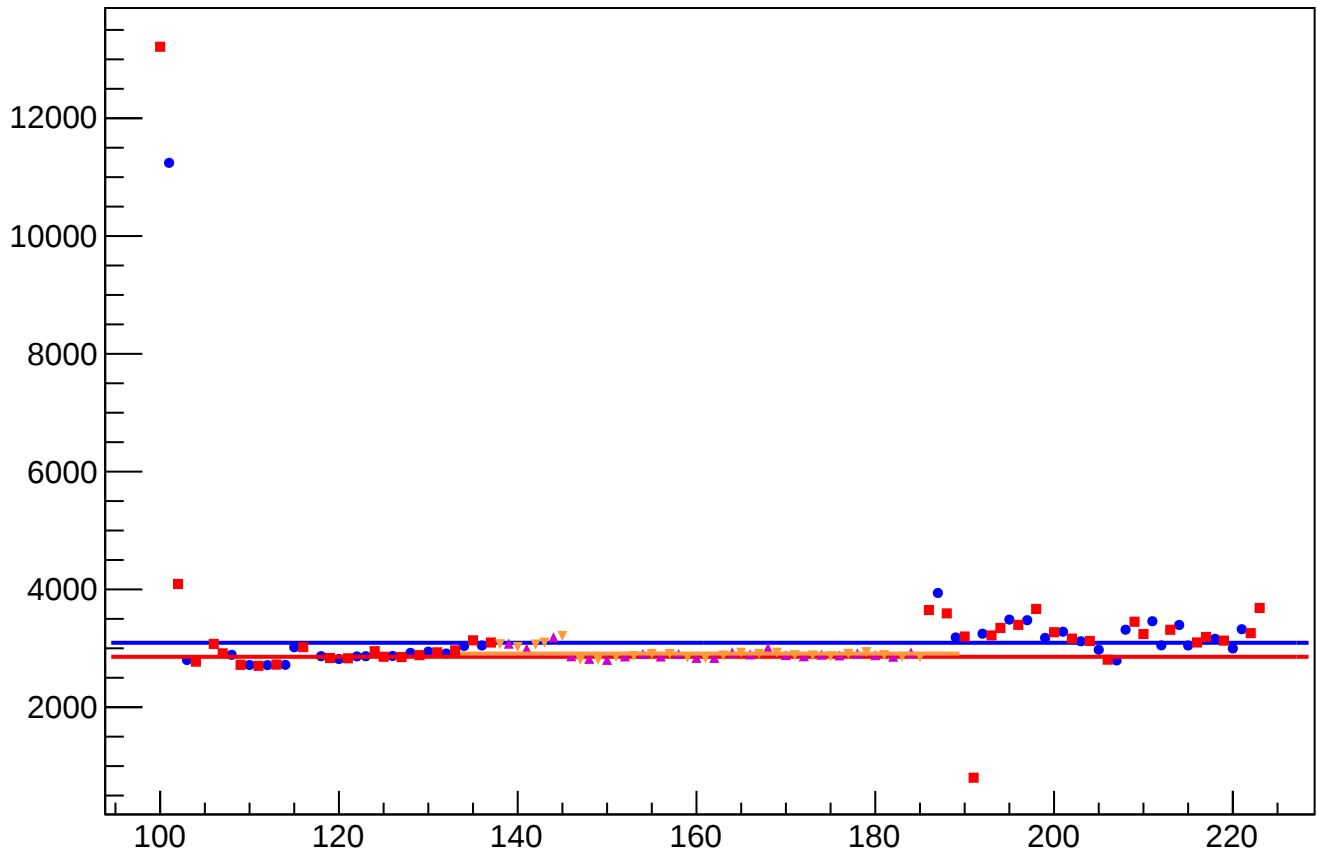
Left In: -2573.184 ± 695.795 χ^2/NDF : 35.7/22

+ sign 2755.788 ± 487.569 χ^2/NDF : 61.7/59

All: 553.153 ± 341.252 χ^2/NDF : 186.6/121

- sign -1561.979 ± 477.787 χ^2/NDF : 84.9/61

asym_atr1_rms vs Slug



Right In: 3094.013+/-0.496 χ^2/NDF : 833819.1/34

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

Right Out: 2855.893+/-0.465 χ^2/NDF : 2919225.8/38

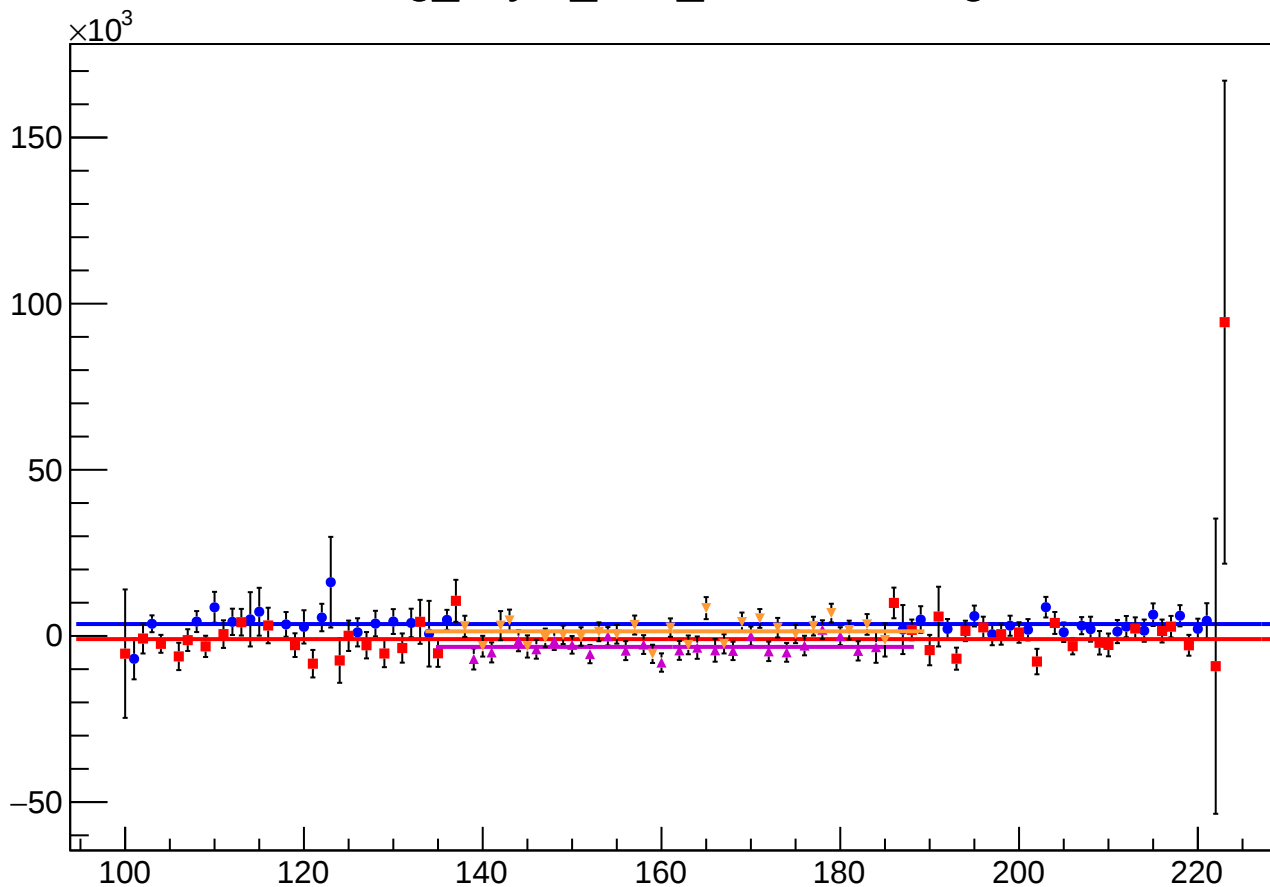
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2999.627+/-0.345 χ^2/NDF : 940661.0/59

All: 2937.734+/-0.241 χ^2/NDF : 3956833.1/12

- sign 2878.299+/-0.338 χ^2/NDF : 2952993.9/61

reg_asym_atr2_mean vs Slug



Right In: 3580.618 ± 620.133 χ^2/NDF : 14.3/34

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

Right Out: -952.483 ± 613.961 χ^2/NDF : 40.2/38

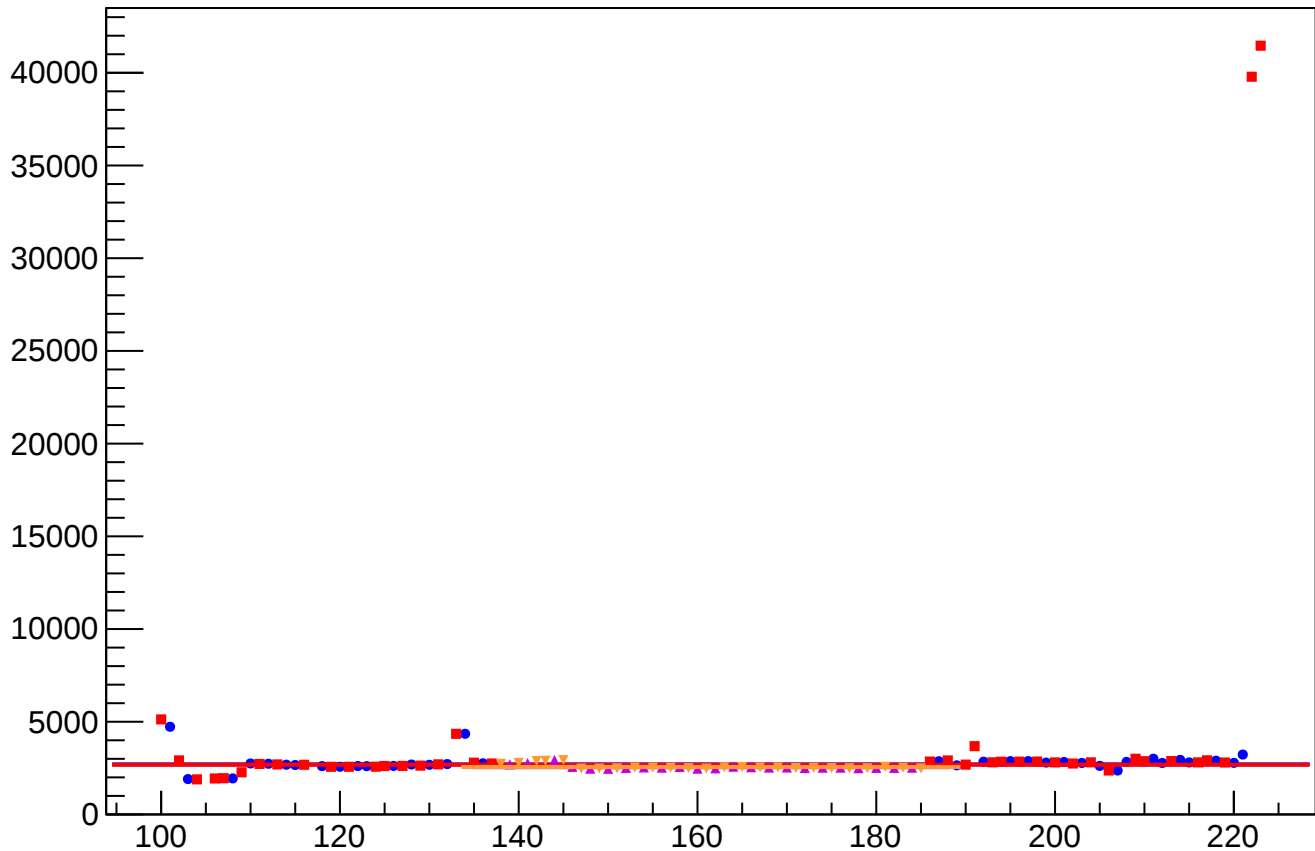
Left In: -3295.367 ± 609.991 χ^2/NDF : 14.9/22

+ sign 2442.944 ± 429.908 χ^2/NDF : 50.0/59

All: 170.655 ± 304.982 χ^2/NDF : 168.7/121

- sign -2131.524 ± 432.726 χ^2/NDF : 62.4/61

reg_asym_atr2_rms vs Slug



Right In: 2700.608+/-0.439 χ^2/NDF : 707143.5/34

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

Right Out: 2681.441+/-0.434 χ^2/NDF : 2678785.4/38

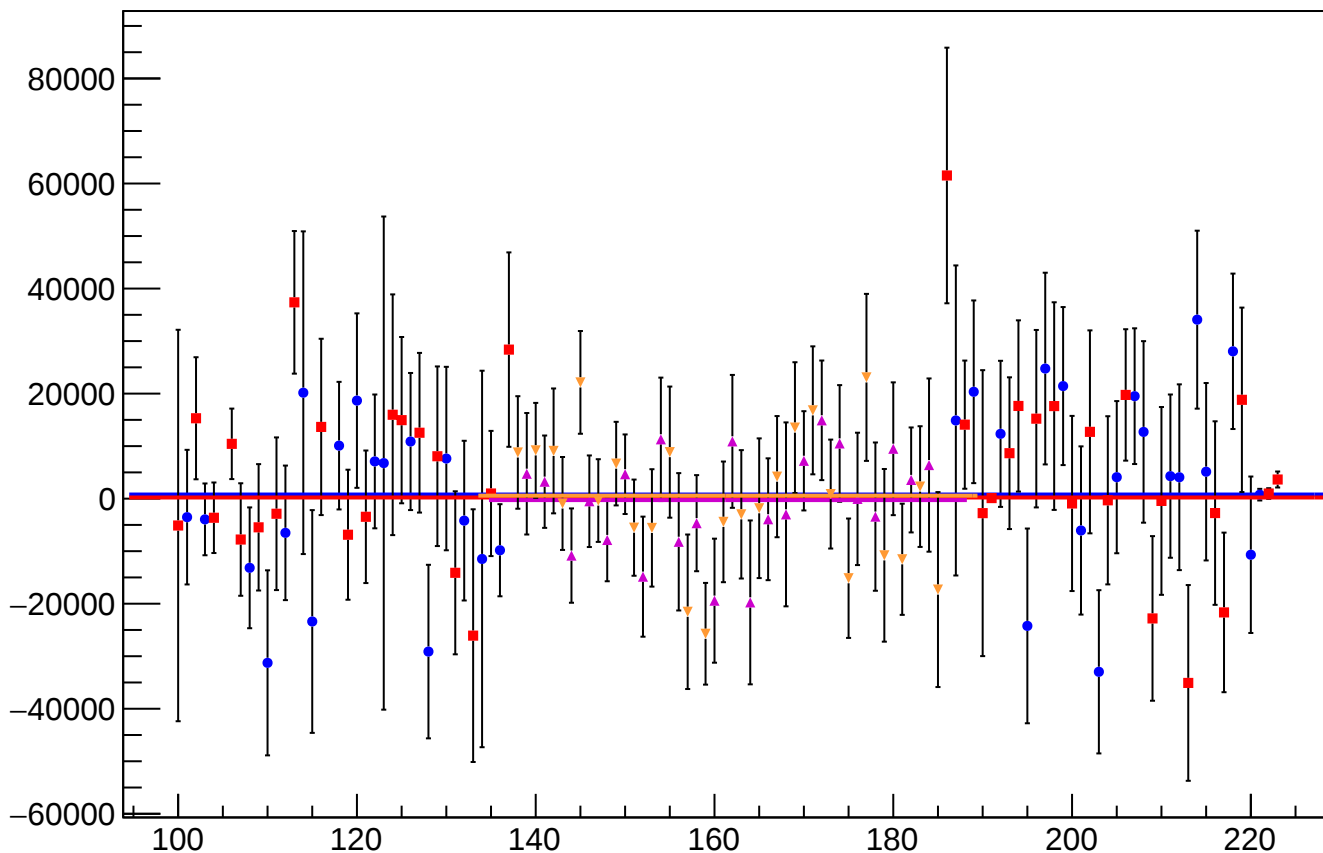
Left In: 2548.870+/-0.431 χ^2/NDF : 55266.2/22

+ sign 2627.852+/-0.304 χ^2/NDF : 846917.4/59

All: 2621.332+/-0.216 χ^2/NDF : 3628822.7/12

- sign 2614.726+/-0.306 χ^2/NDF : 2780979.2/61

asym_atr2_correction_mean vs Slug



Right In: 785.139 ± 1011.585 $\chi^2/\text{NDF}: 38.3/34$

Left Out: 572.477 ± 2184.376 $\chi^2/\text{NDF}: 28.2/24$

Right Out: 221.129 ± 189.834 $\chi^2/\text{NDF}: 48.8/38$

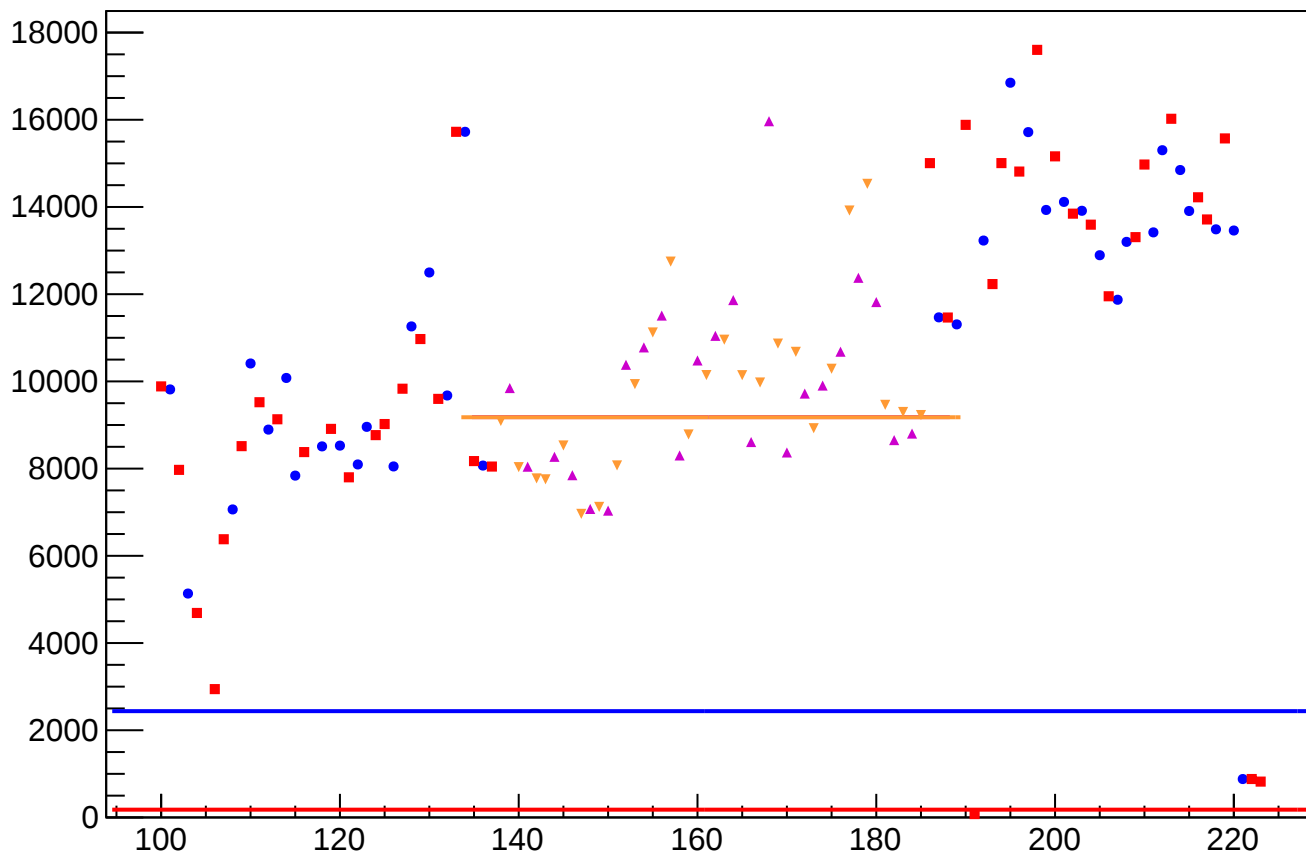
Left In: -275.116 ± 2242.836 $\chi^2/\text{NDF}: 15.7/22$

+ sign 747.585 ± 917.932 $\chi^2/\text{NDF}: 66.5/59$

All: 239.188 ± 185.265 $\chi^2/\text{NDF}: 131.4/121$

- sign 217.599 ± 189.157 $\chi^2/\text{NDF}: 64.5/61$

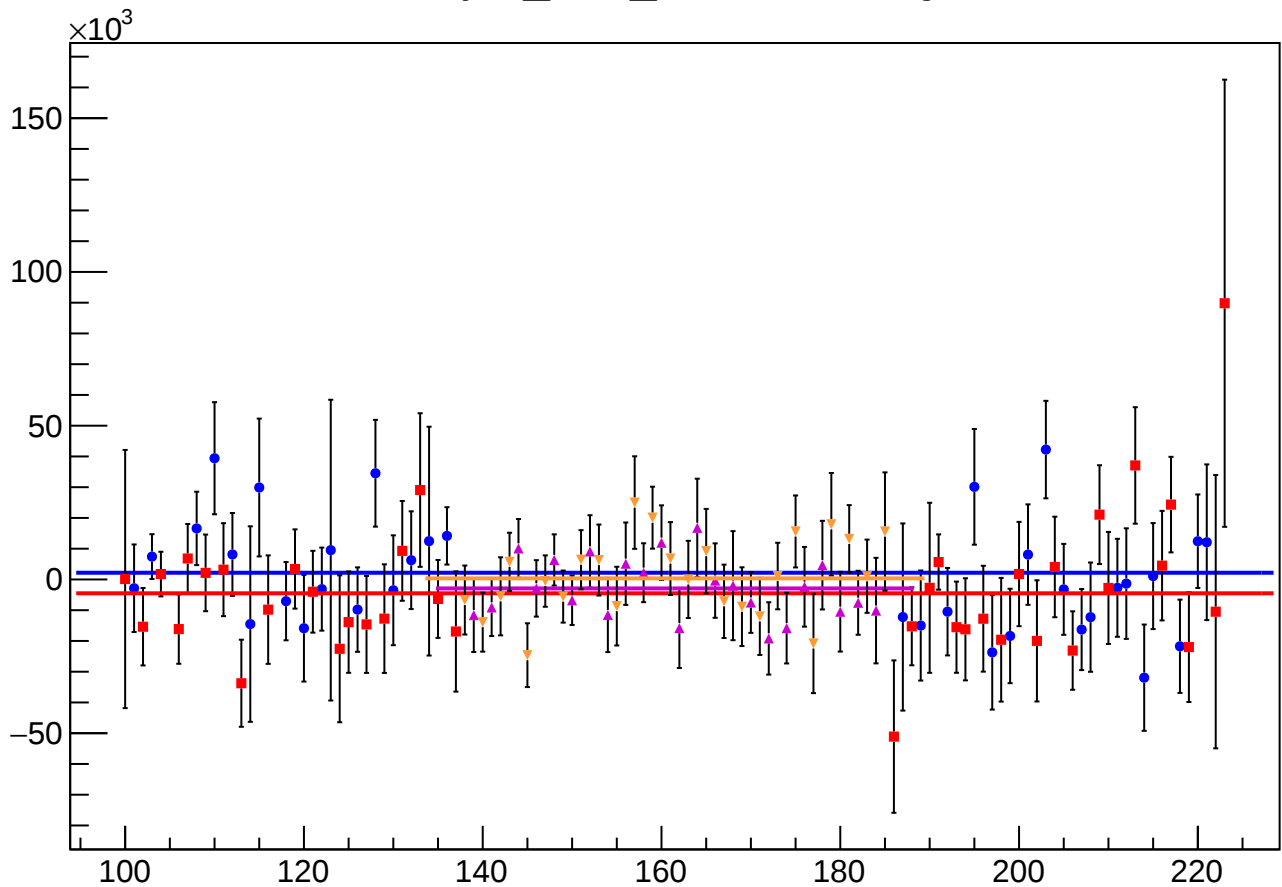
asym_atr2_correction_rms vs Slug



Right In: 2438.008 $\pm$ 0.715 χ^2 /NDF: 27431925.4/34
 Left Out: 9177.688 $\pm$ 1.545 χ^2 /NDF:1176195.8/24
 Right Out: 178.701 $\pm$ 0.134 χ^2 /NDF: 38666870.3/38
 Left In: 9181.254 $\pm$ 1.586 χ^2 /NDF:1236469.7/22

+ sign 3628.168 $\pm$ 0.649 χ^2 /NDF: 44285371.4/59
 All: 380.641 $\pm$ 0.131 χ^2 /NDF: 142278651.5/1
 - sign 242.736 $\pm$ 0.134 χ^2 /NDF: 71897159.0/61

asym_atr2_mean vs Slug



Right In: 2182.854 $\pm$ 2582.589 χ^2 /NDF: 40.5/34

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

Right Out: -4503.934 $\pm$ 2413.935 χ^2 /NDF: 37.6/38

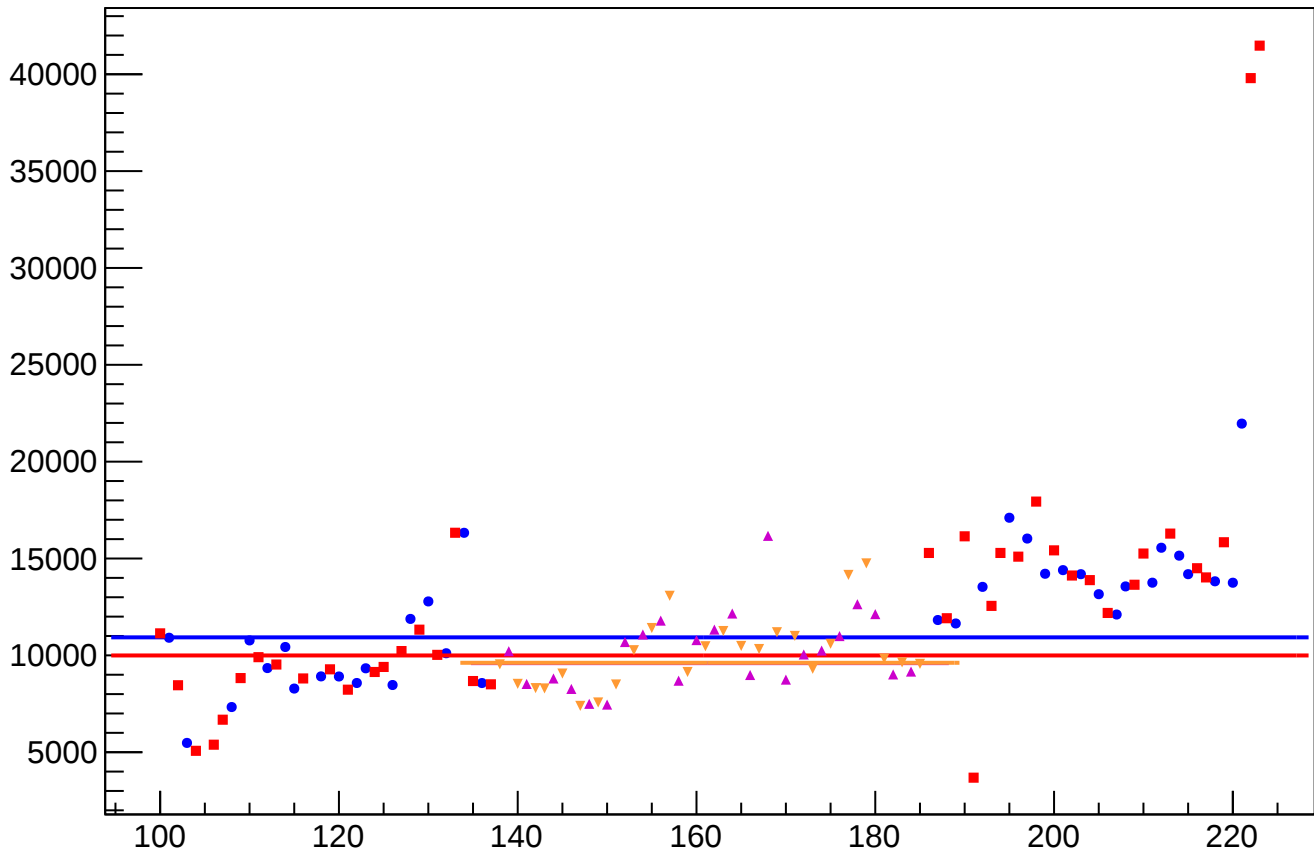
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 1156.689 $\pm$ 1709.930 χ^2 /NDF: 67.0/59

All: -1307.984 $\pm$ 1198.232 χ^2 /NDF: 123.8/12

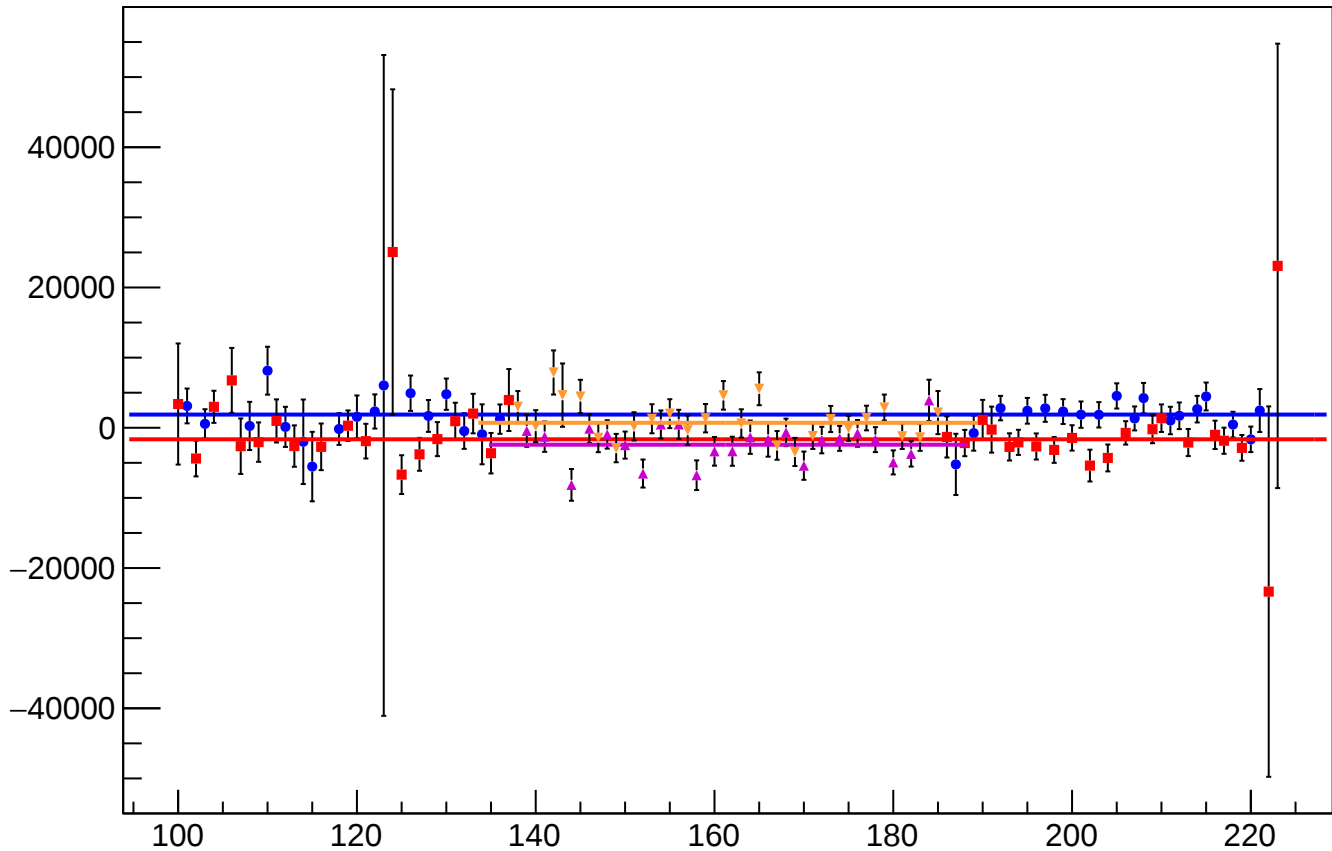
- sign -3685.971 $\pm$ 1679.590 χ^2 /NDF: 52.8/61

asym_atr2_rms vs Slug



Right In: 10929.455+/-1.826	χ^2/NDF : 3481088.3/34	+ sign 10191.936+/-1.209	χ^2/NDF : 4783184.9/59
Left Out: 9616.245+/-1.613	χ^2/NDF : 1011665.6/24	All: 9987.543+/-0.847	χ^2/NDF : 12359729.8/1
Right Out: 9994.722+/-1.707	χ^2/NDF : 6410431.6/38	- sign 9790.348+/-1.188	χ^2/NDF : 7520397.8/61
Left In: 9598.531+/-1.654	χ^2/NDF : 1082171.6/22		

reg_asym_atl_avg_mean vs Slug



Right In: 1881.437 ± 381.490 χ^2/NDF : 27.0/34

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

Right Out: -1643.665 ± 385.592 χ^2/NDF : 33.2/38

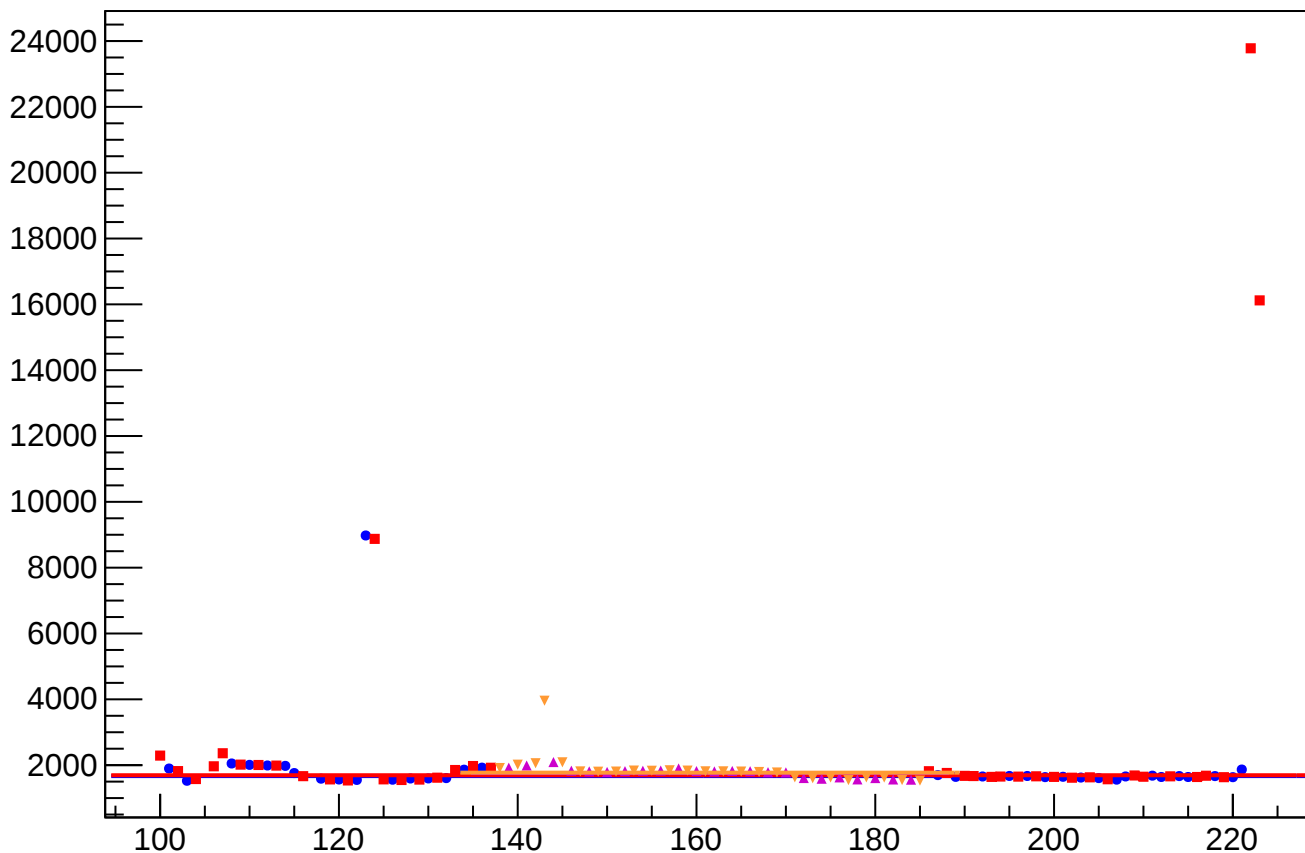
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 1348.111 ± 281.588 χ^2/NDF : 66.1/59

All: -301.785 ± 200.346 χ^2/NDF : 204.7/121

- sign -1993.185 ± 285.108 χ^2/NDF : 69.0/61

reg_asym_atl_avg_rms vs Slug



Right In: 1667.575+/-0.270 χ^2/NDF : 225689.0/34

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

Right Out: 1693.748+/-0.272 χ^2/NDF : 2255644.8/38

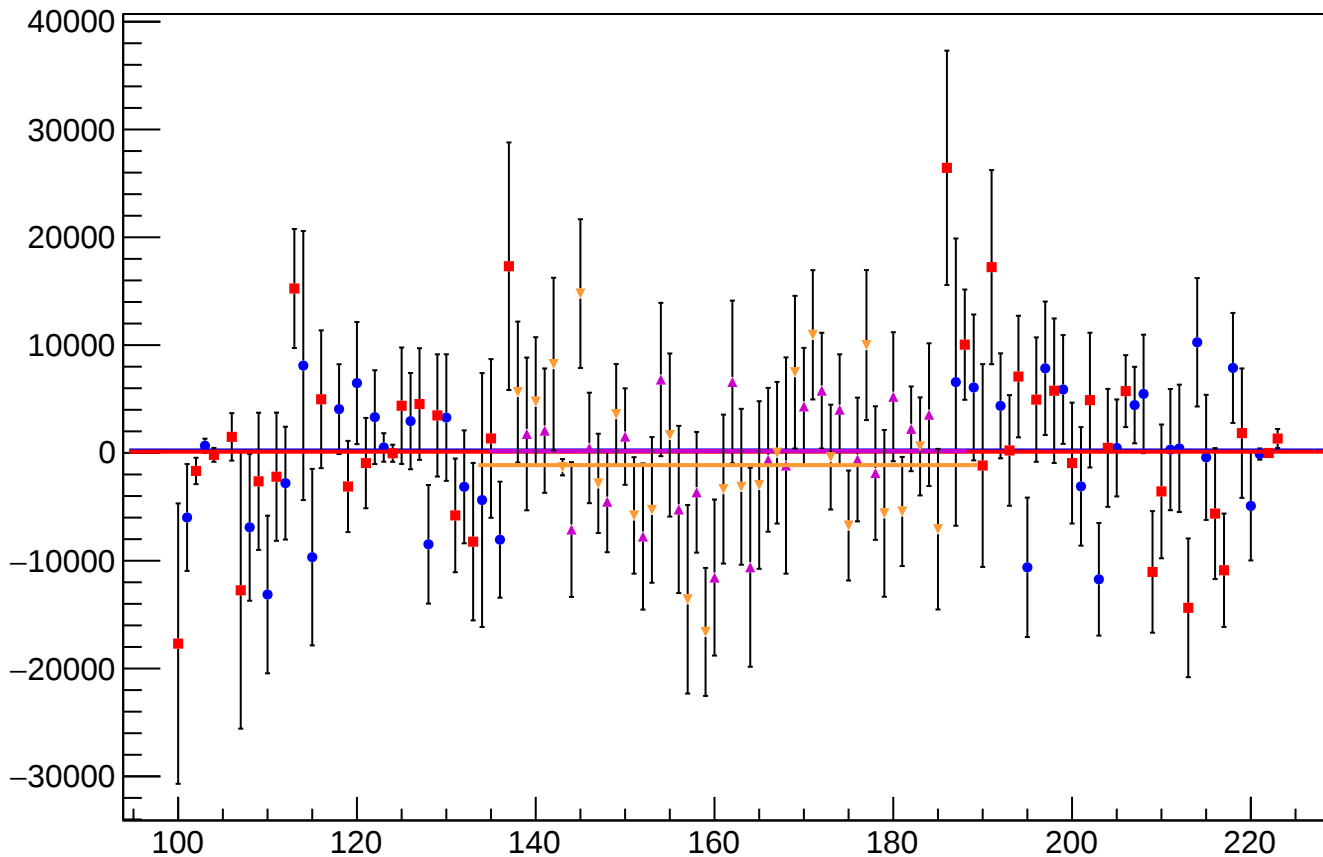
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1715.127+/-0.199 χ^2/NDF : 996430.1/59

All: 1719.289+/-0.142 χ^2/NDF : 3494327.0/12

- sign 1723.549+/-0.201 χ^2/NDF : 2497012.8/61

asym_atl_avg_correction_mean vs Slug



Right In: 229.594 $\pm$ 359.760 χ^2 /NDF: 39.1/34

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

Right Out: 112.505 $\pm$ 290.385 χ^2 /NDF: 57.6/38

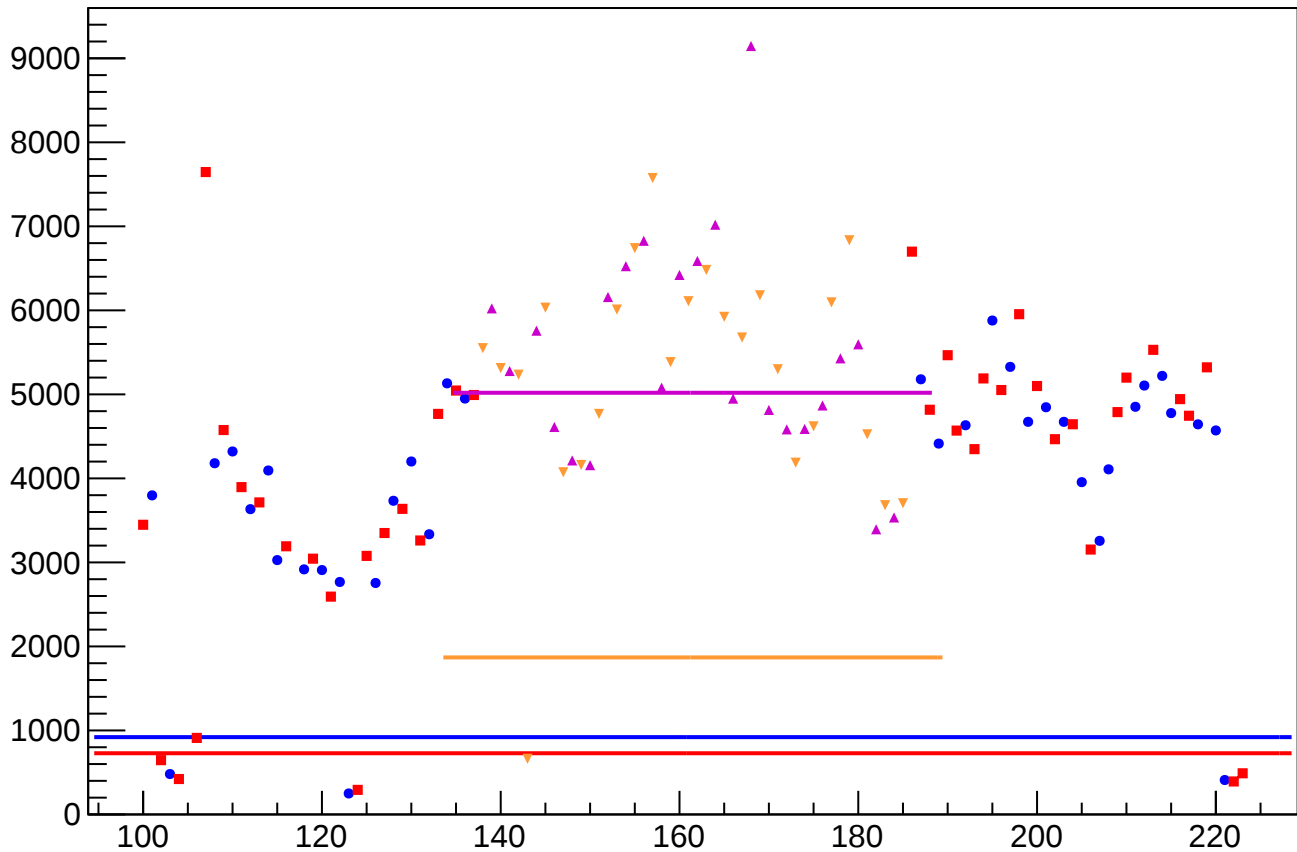
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -90.996 $\pm$ 314.491 χ^2 /NDF: 74.0/59

All: 23.197 $\pm$ 210.220 χ^2 /NDF: 146.0/121

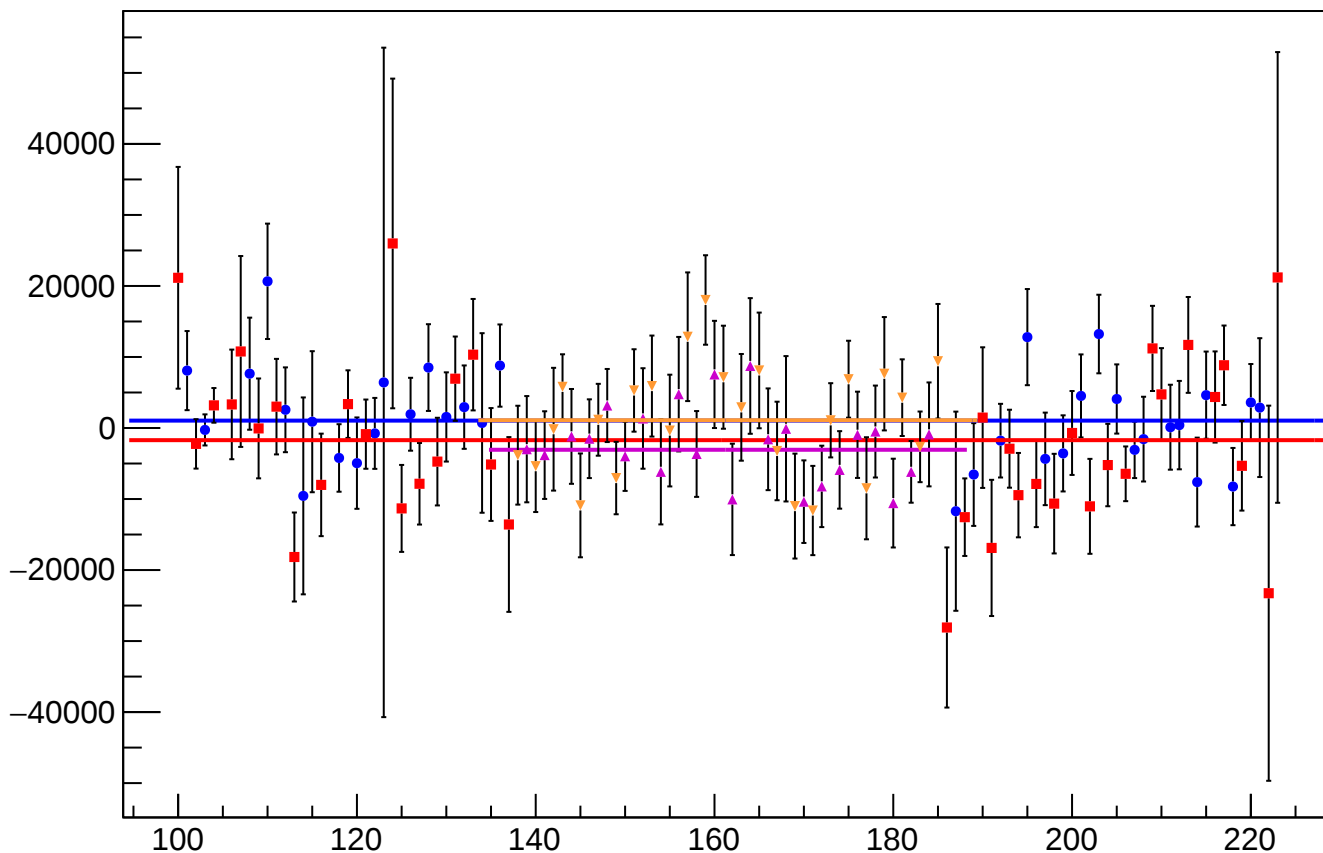
- sign 115.434 $\pm$ 282.645 χ^2 /NDF: 71.8/61

asym_atl_avg_correction_rms vs Slug



Right In: 920.365 $\pm$ 0.254	χ^2 /NDF: 25805525.1/34	+ sign 1144.079 $\pm$ 0.222	χ^2 /NDF: 48937297.8/59
Left Out: 1868.983 $\pm$ 0.458	χ^2 /NDF: 19852416.6/24	All: 1039.052 $\pm$ 0.149	χ^2 /NDF: 101309330.7
Right Out: 728.540 $\pm$ 0.205	χ^2 /NDF: 27433868.3/38	- sign 954.218 $\pm$ 0.200	χ^2 /NDF: 51968801.8/61
Left In: 5019.114 $\pm$ 0.871	χ^2 /NDF: 1569031.9/22		

asym_atl_avg_mean vs Slug



Right In: 1041.153+/-952.945 χ^2/NDF : 33.8/34

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

Right Out: -1712.548+/-962.650 χ^2/NDF : 63.5/38

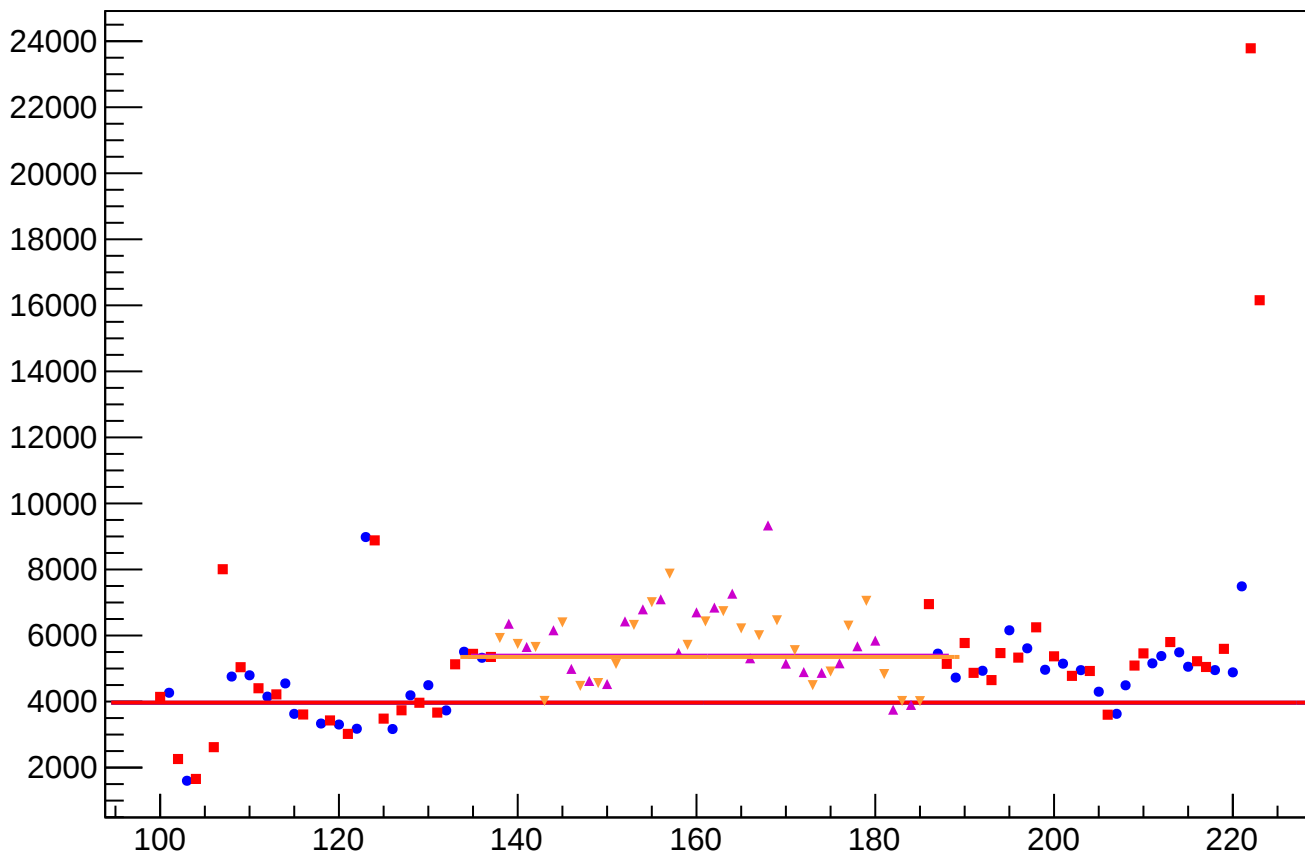
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1060.243+/-762.899 χ^2/NDF : 65.8/59

All: -530.765+/-544.510 χ^2/NDF : 151.4/121

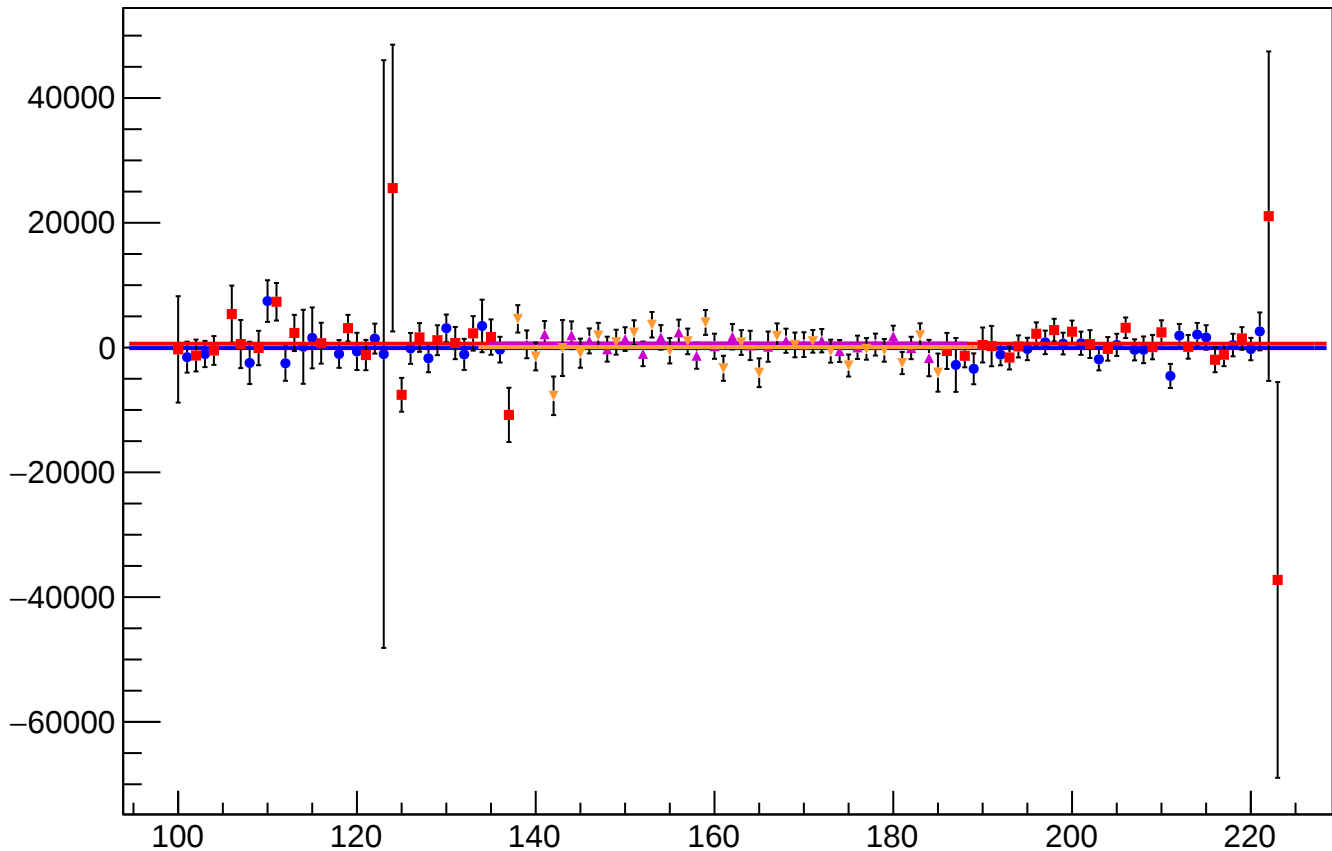
- sign -2182.883+/-777.412 χ^2/NDF : 76.8/61

asym_atl_avg_rms vs Slug



Right In: 3964.018+/-0.674	χ^2/NDF : 4179183.3/34	+ sign 4461.994+/-0.539	χ^2/NDF : 6941629.8/59
Left Out: 5350.804+/-0.900	χ^2/NDF : 1241497.9/24		
Right Out: 3968.150+/-0.675	χ^2/NDF : 6026851.7/38	All: 4459.686+/-0.384	χ^2/NDF : 15804052.2/100
Left In: 5389.724+/-0.932	χ^2/NDF : 1309863.0/22	- sign 4457.315+/-0.547	χ^2/NDF : 8862385.3/61

reg_asym_atl_dd_mean vs Slug



Right In: -82.497 ± 376.278 χ^2/NDF : 24.9/34

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

Right Out: 621.046 ± 380.134 χ^2/NDF : 41.6/38

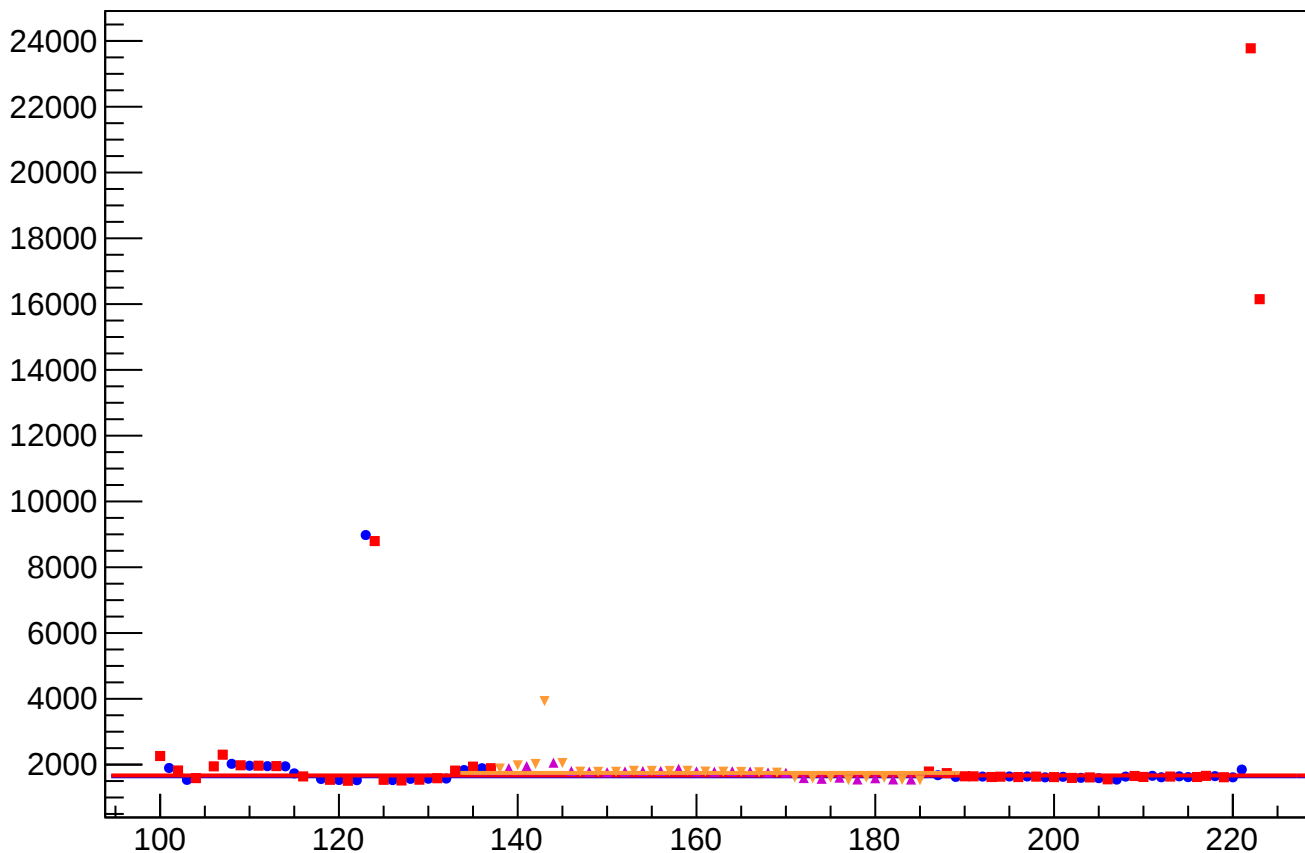
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -5.675 ± 277.697 χ^2/NDF : 61.0/59

All: 308.136 ± 197.562 χ^2/NDF : 111.3/121

- sign 629.740 ± 281.123 χ^2/NDF : 47.8/61

reg_asym_atl_dd_rms vs Slug



Right In: 1644.797+/-0.266 χ^2/NDF : 223565.5/34

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

Right Out: 1669.898+/-0.268 χ^2/NDF : 2255917.1/38

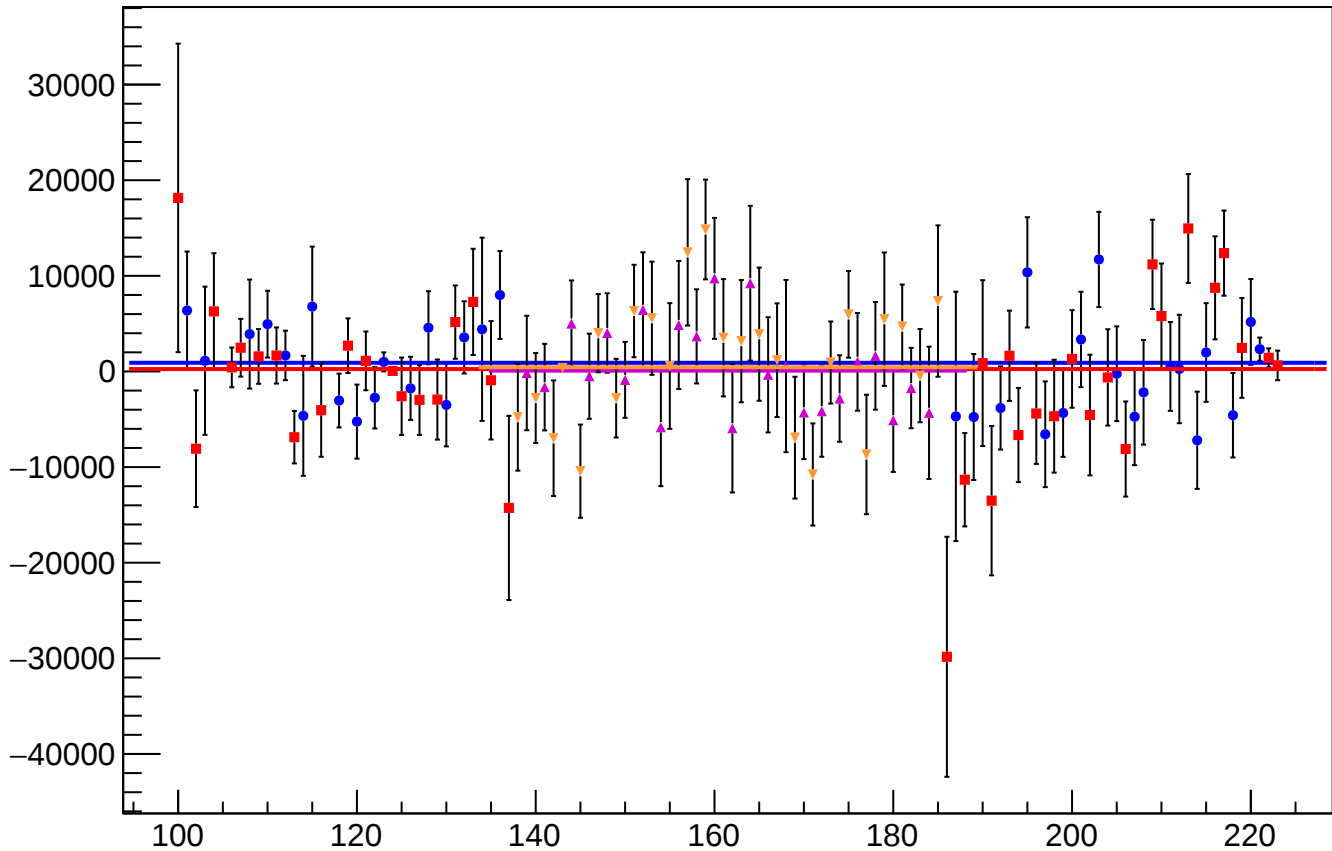
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1691.480+/-0.196 χ^2/NDF : 989365.5/59

All: 1695.490+/-0.140 χ^2/NDF : 3479949.3/12

- sign 1699.593+/-0.199 χ^2/NDF : 2489740.1/61

asym_atl_dd_correction_mean vs Slug



Right In: 906.816 $\pm$ 548.369 χ^2 /NDF: 36.5/34

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

Right Out: 252.795 $\pm$ 318.181 χ^2 /NDF: 67.3/38

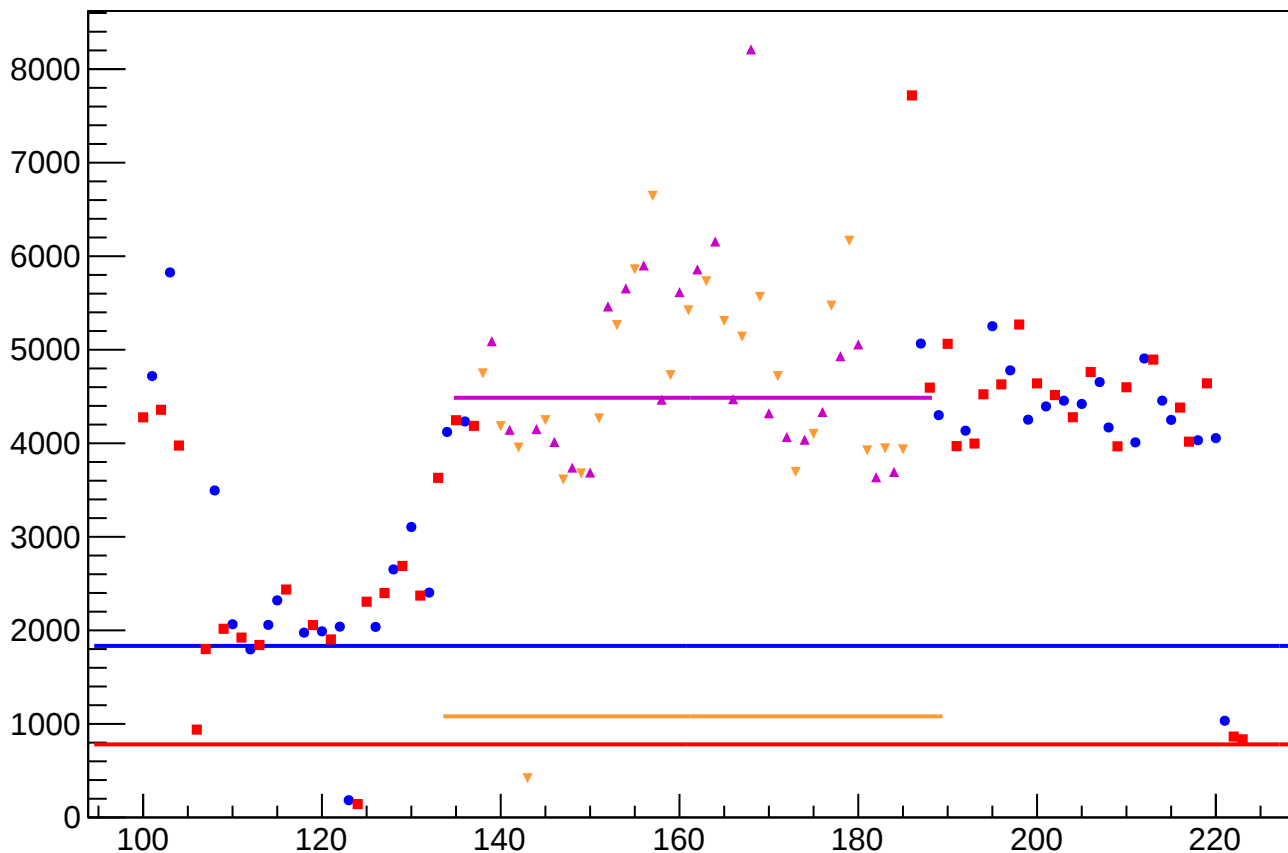
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF:13.4/22

+ sign 624.331 $\pm$ 343.342 χ^2 /NDF: 70.8/59

All: 409.851 $\pm$ 228.249 χ^2 /NDF: 152.3/121

- sign 240.000 $\pm$ 305.540 χ^2 /NDF: 80.8/61

asym_atl_dd_correction_rms vs Slug



Right In: 1833.950+/-0.388 χ^2/NDF : 16931479.6/34

Left Out: 1081.004+/-0.311 χ^2/NDF : 24456244.2/24

Right Out: 781.309+/-0.225 χ^2/NDF : 28587857.5/38

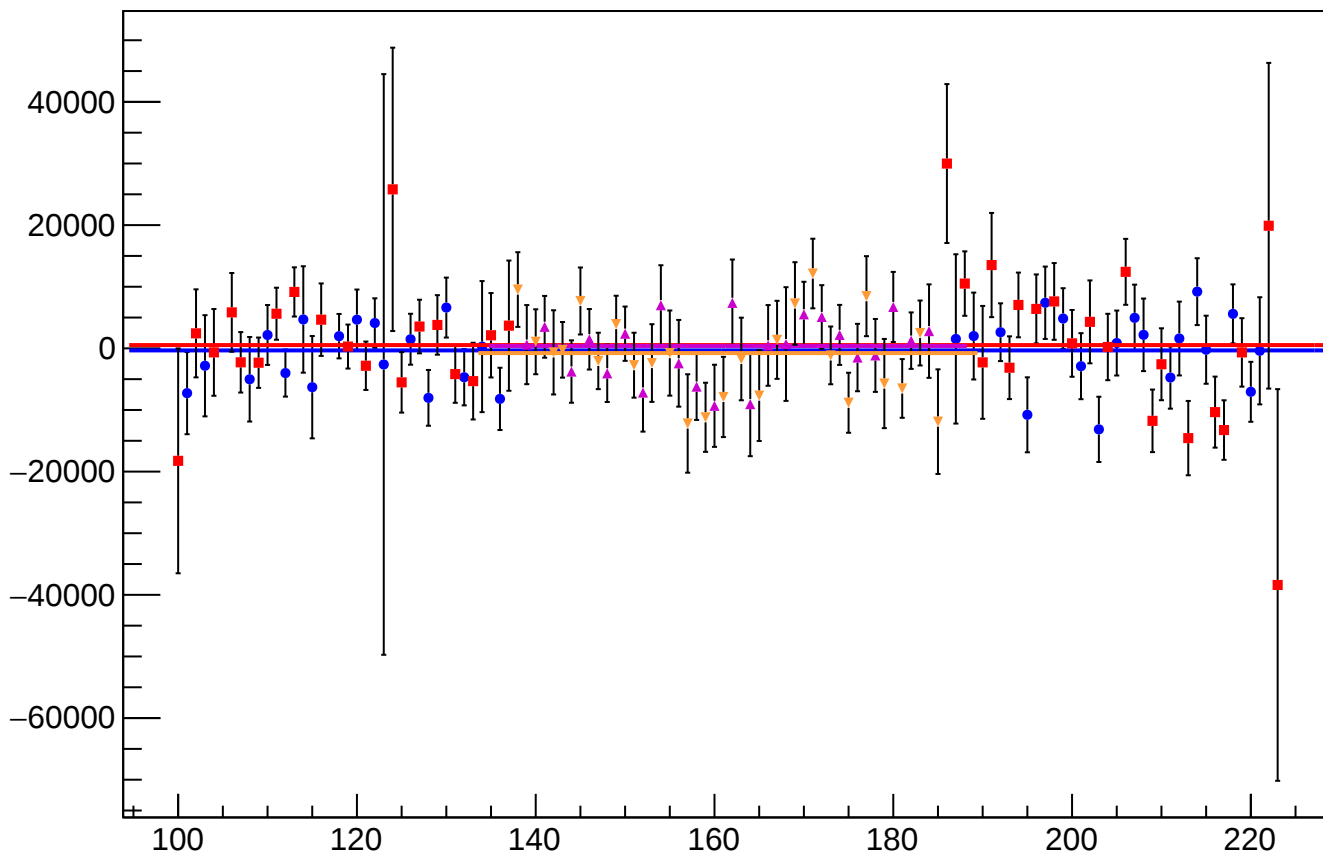
Left In: 4486.570+/-0.774 χ^2/NDF : 1181598.1/22

+ sign 1376.174+/-0.243 χ^2/NDF : 43680180.4/59

All: 1205.244+/-0.161 χ^2/NDF : 95460825.1/1

- sign 1069.881+/-0.216 χ^2/NDF : 50892401.8/61

asym_atl_dd_mean vs Slug



Right In: -333.788 ± 914.663 χ^2/NDF : 35.8/34

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

Right Out: 531.203 ± 901.200 χ^2/NDF : 63.0/38

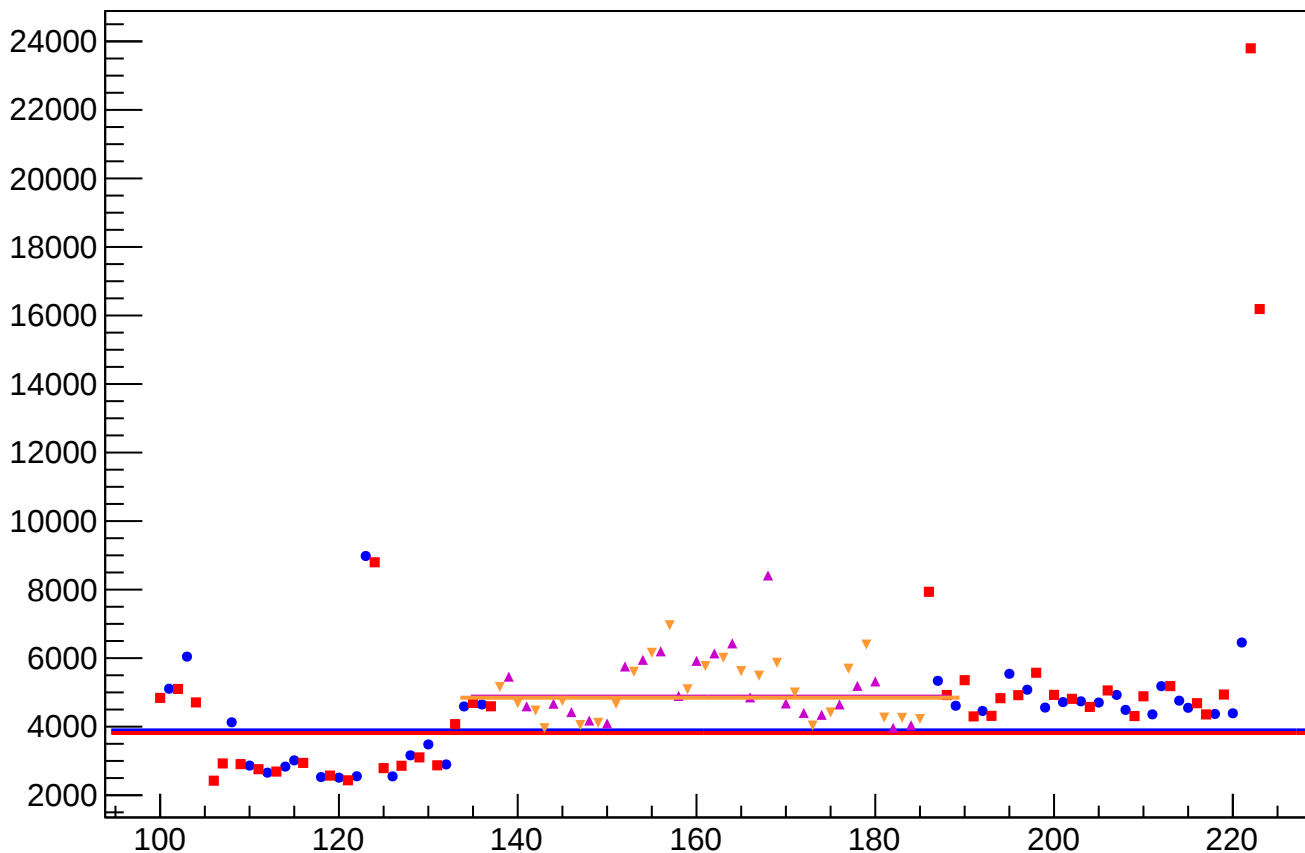
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -501.733 ± 715.214 χ^2/NDF : 65.8/59

All: -12.937 ± 506.579 χ^2/NDF : 143.9/121

- sign 479.146 ± 717.614 χ^2/NDF : 77.1/61

asym_atl_dd_rms vs Slug



Right In: 3891.315+/-0.647 χ^2/NDF : 2656271.4/34

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

Right Out: 3815.331+/-0.633 χ^2/NDF : 4453694.0/38

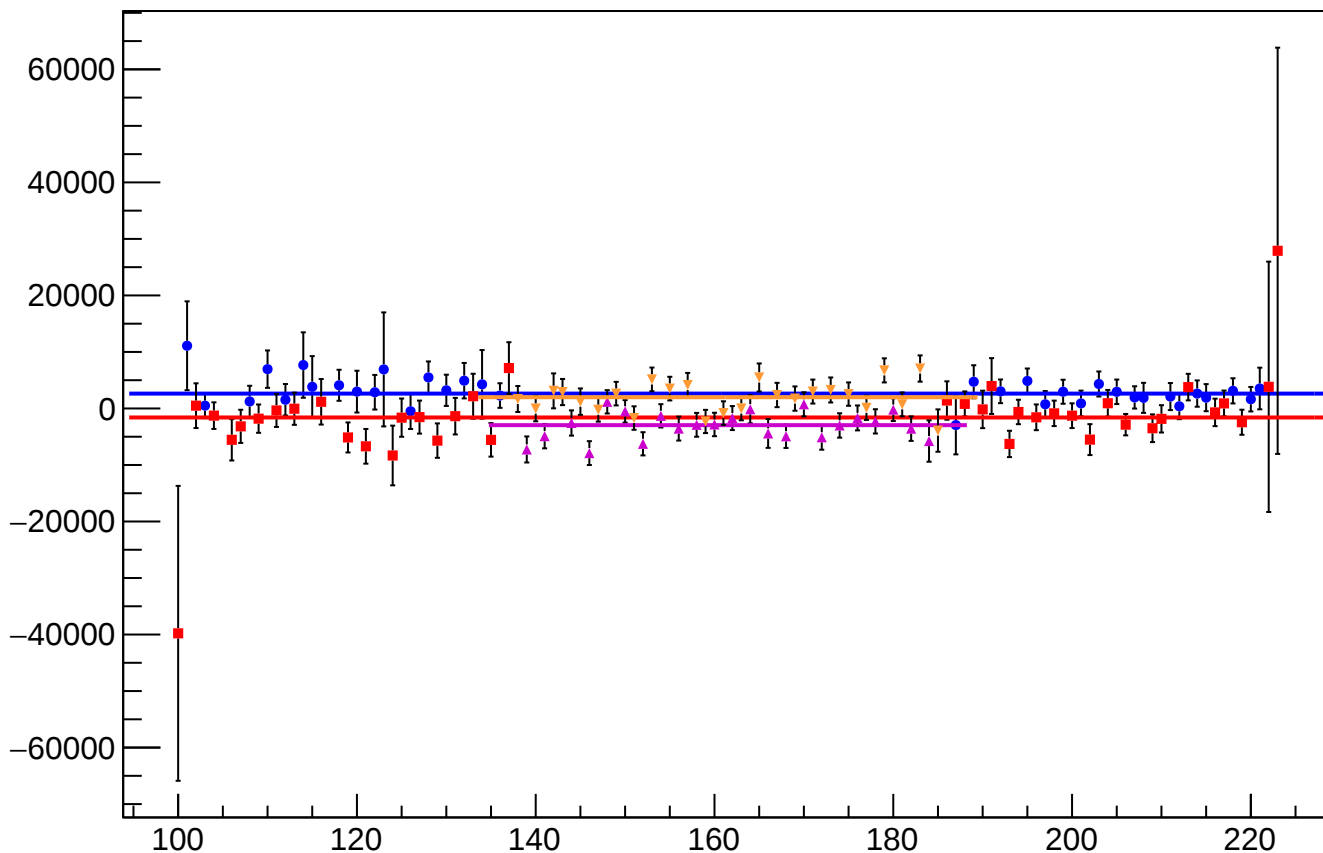
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4262.185+/-0.506 χ^2/NDF : 4411682.2/59

All: 4231.275+/-0.357 χ^2/NDF : 10853376.0/1

- sign 4200.441+/-0.505 χ^2/NDF : 6434231.8/61

reg_asym_atr_avg_mean vs Slug



Right In: 2629.069+/-453.102 χ^2/NDF : 14.4/34

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

Right Out: -1594.496+/-450.937 χ^2/NDF : 38.6/38

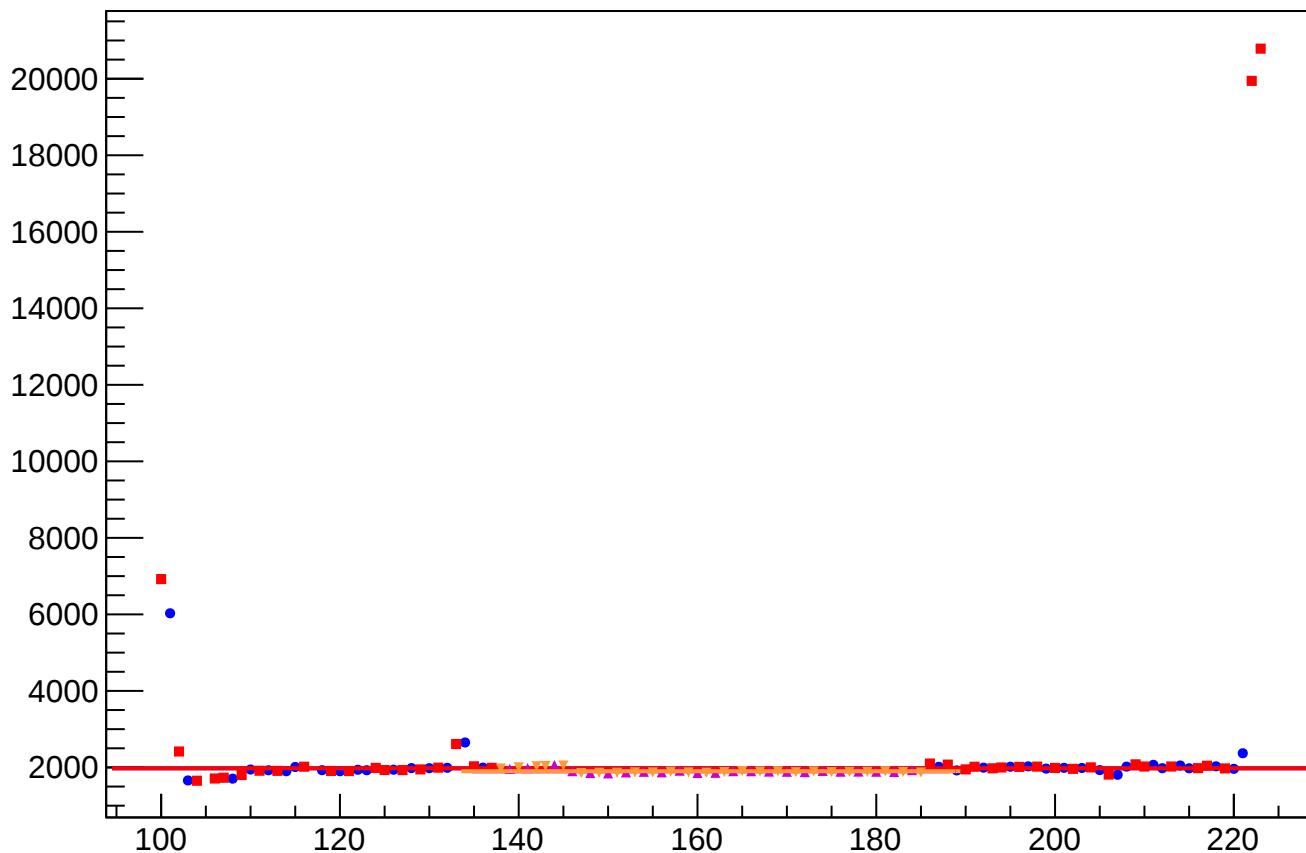
Left In: -2955.900+/-454.551 χ^2/NDF : 28.4/22

+ sign 2300.152+/-316.829 χ^2/NDF : 47.9/59

All: 38.881+/-225.190 χ^2/NDF : 222.4/121

- sign -2269.765+/-320.130 χ^2/NDF : 71.6/61

reg_asym_atr_avg_rms vs Slug



Right In: 1976.329+/-0.320 χ^2/NDF : 667179.4/34

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

Right Out: 1978.933+/-0.319 χ^2/NDF : 2122334.7/38

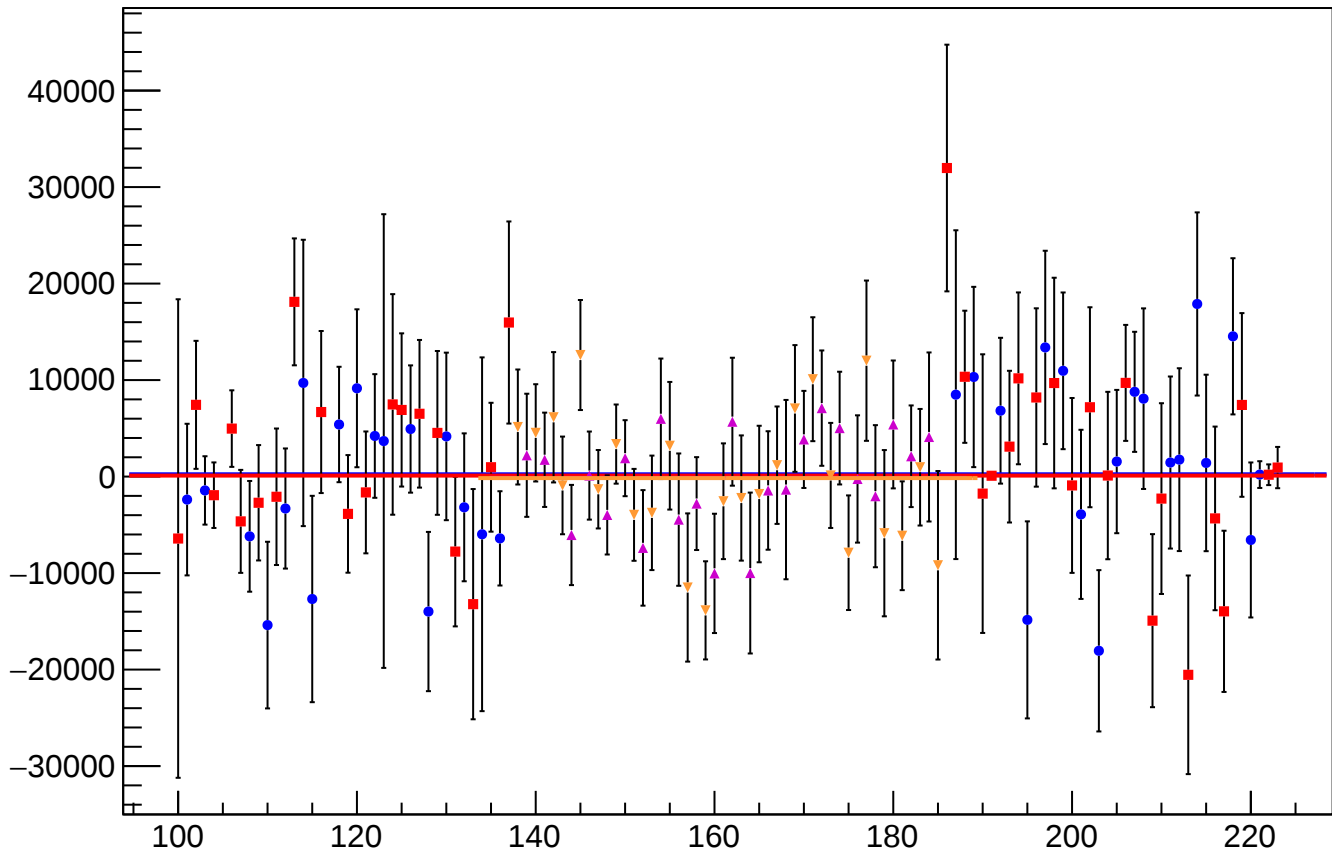
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1938.283+/-0.224 χ^2/NDF : 725218.4/59

All: 1938.418+/-0.159 χ^2/NDF : 2901147.7/12

- sign 1938.555+/-0.226 χ^2/NDF : 2175928.6/61

asym_atr_avg_correction_mean vs Slug



Right In: 237.502 ± 949.568 $\chi^2/\text{NDF}: 38.0/34$

Left Out: -157.539 ± 1165.844 $\chi^2/\text{NDF}: 29.5/24$

Right Out: 102.263 ± 108.800 $\chi^2/\text{NDF}: 44.8/38$

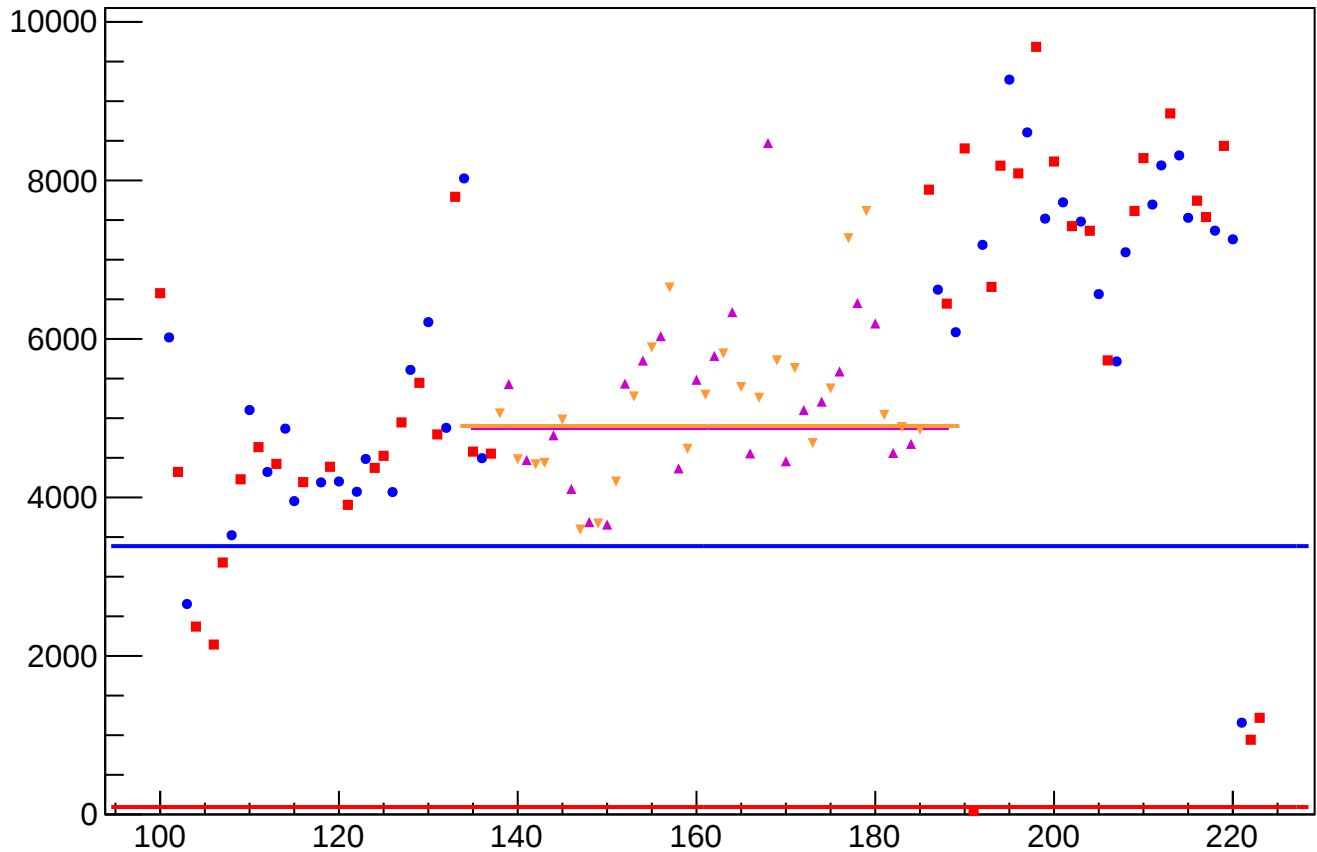
Left In: -139.000 ± 1190.889 $\chi^2/\text{NDF}: 14.7/22$

+ sign 79.952 ± 736.256 $\chi^2/\text{NDF}: 67.6/59$

All: 99.835 ± 107.194 $\chi^2/\text{NDF}: 127.1/121$

- sign 100.265 ± 108.349 $\chi^2/\text{NDF}: 59.5/61$

asym_atr_avg_correction_rms vs Slug



Right In: 3385.789 $\pm$ 0.671 χ^2 /NDF: 13685284.4/34

Left Out: 4901.357 $\pm$ 0.824 χ^2 /NDF:1136916.0/24

Right Out: 93.686 $\pm$ 0.077 χ^2 /NDF: 39109613.6/38

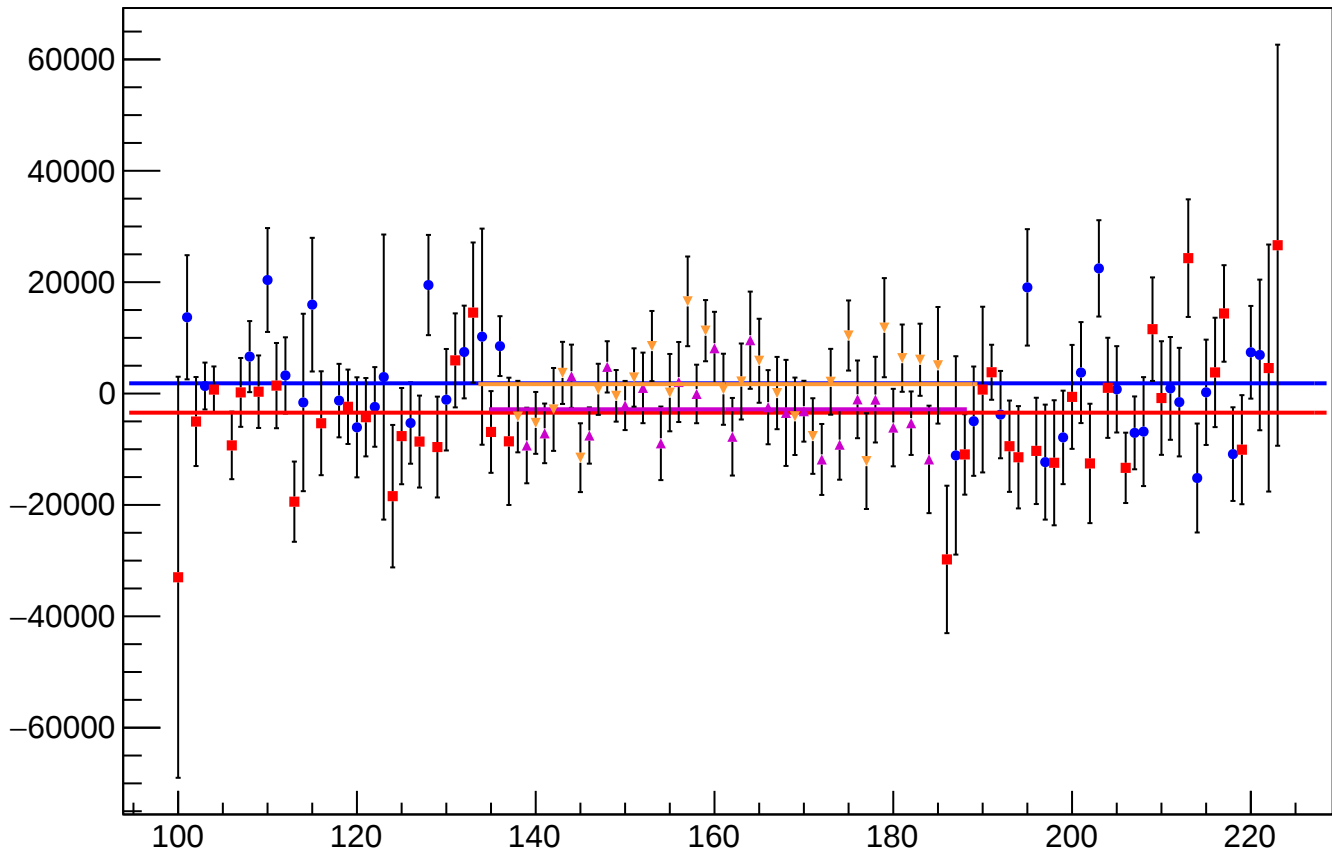
Left In: 4875.112 $\pm$ 0.842 χ^2 /NDF:1229198.0/22

+ sign 3990.227 $\pm$ 0.521 χ^2 /NDF: 16854110.6/59

All: 215.024 $\pm$ 0.076 χ^2 /NDF: 142889304.2/1

- sign 133.265 $\pm$ 0.077 χ^2 /NDF: 72312452.9/61

asym_atr_avg_mean vs Slug



Right In: 1839.583+/-1413.491 χ^2/NDF : 37.5/34

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -3432.517+/-1318.287 χ^2/NDF : 43.8/38

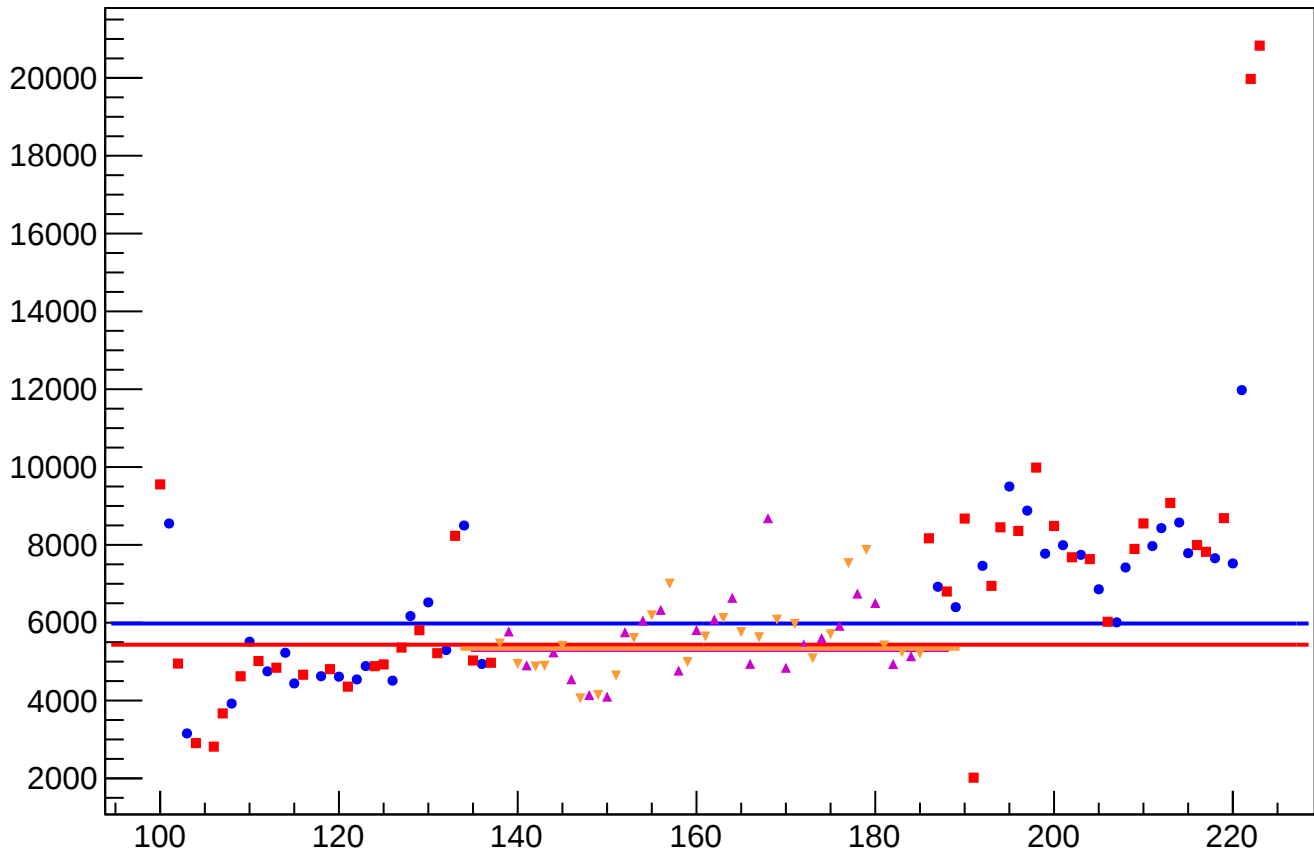
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 1754.398+/-941.243 χ^2/NDF : 62.9/59

All: -735.330+/-658.441 χ^2/NDF : 138.5/121

- sign -3121.326+/-921.427 χ^2/NDF : 61.9/61

asym_atr_avg_rms vs Slug



Right In: 5979.189+/-0.999 χ^2/NDF : 3530111.8/34

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

Right Out: 5434.643+/-0.929 χ^2/NDF : 6361780.2/38

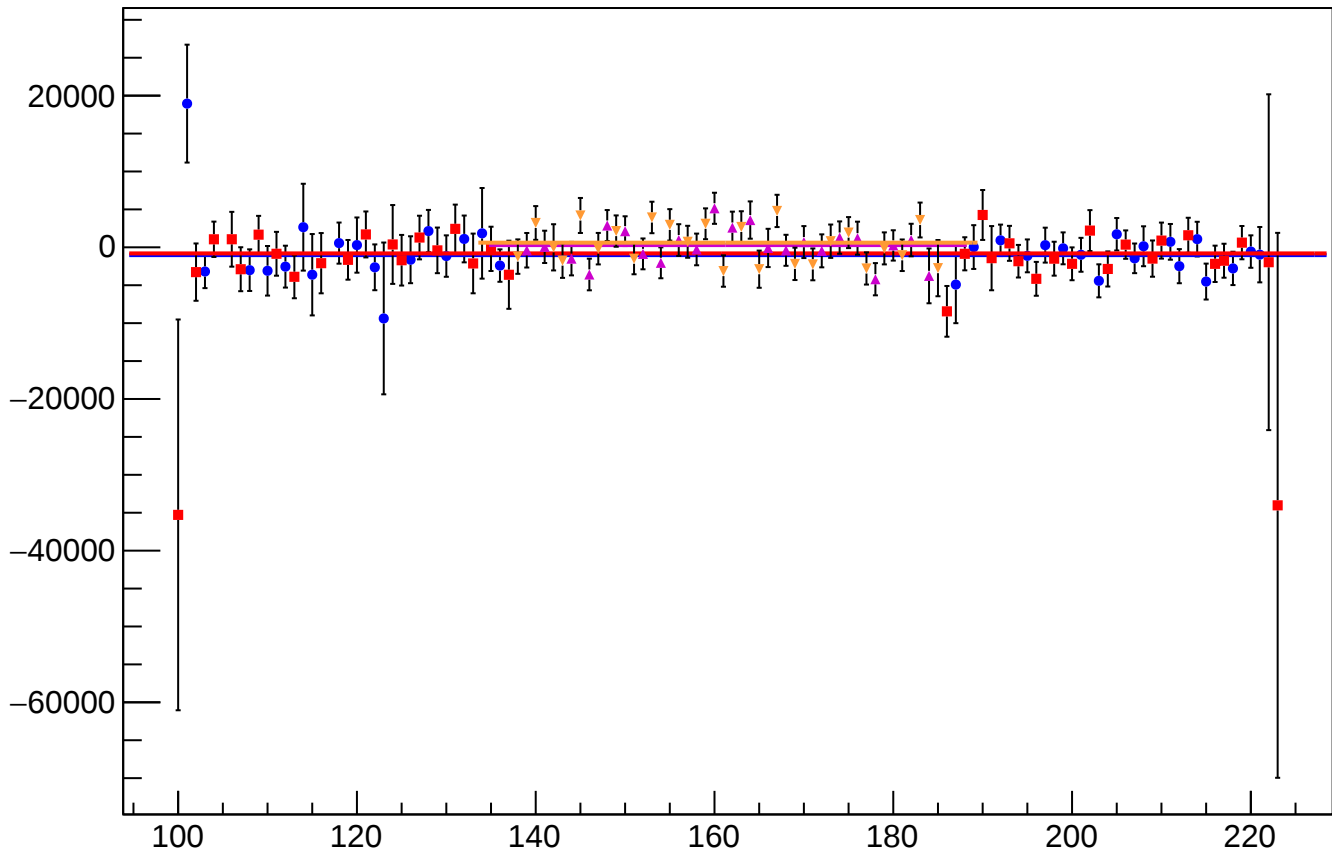
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5618.269+/-0.666 χ^2/NDF : 4632457.2/59

All: 5488.810+/-0.465 χ^2/NDF : 12035207.0/100

- sign 5365.155+/-0.650 χ^2/NDF : 7328776.7/61

reg_asym_atr_dd_mean vs Slug



Right In: -1029.094 ± 447.212 χ^2/NDF : 24.5/34

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

Right Out: -803.703 ± 444.444 χ^2/NDF : 25.7/38

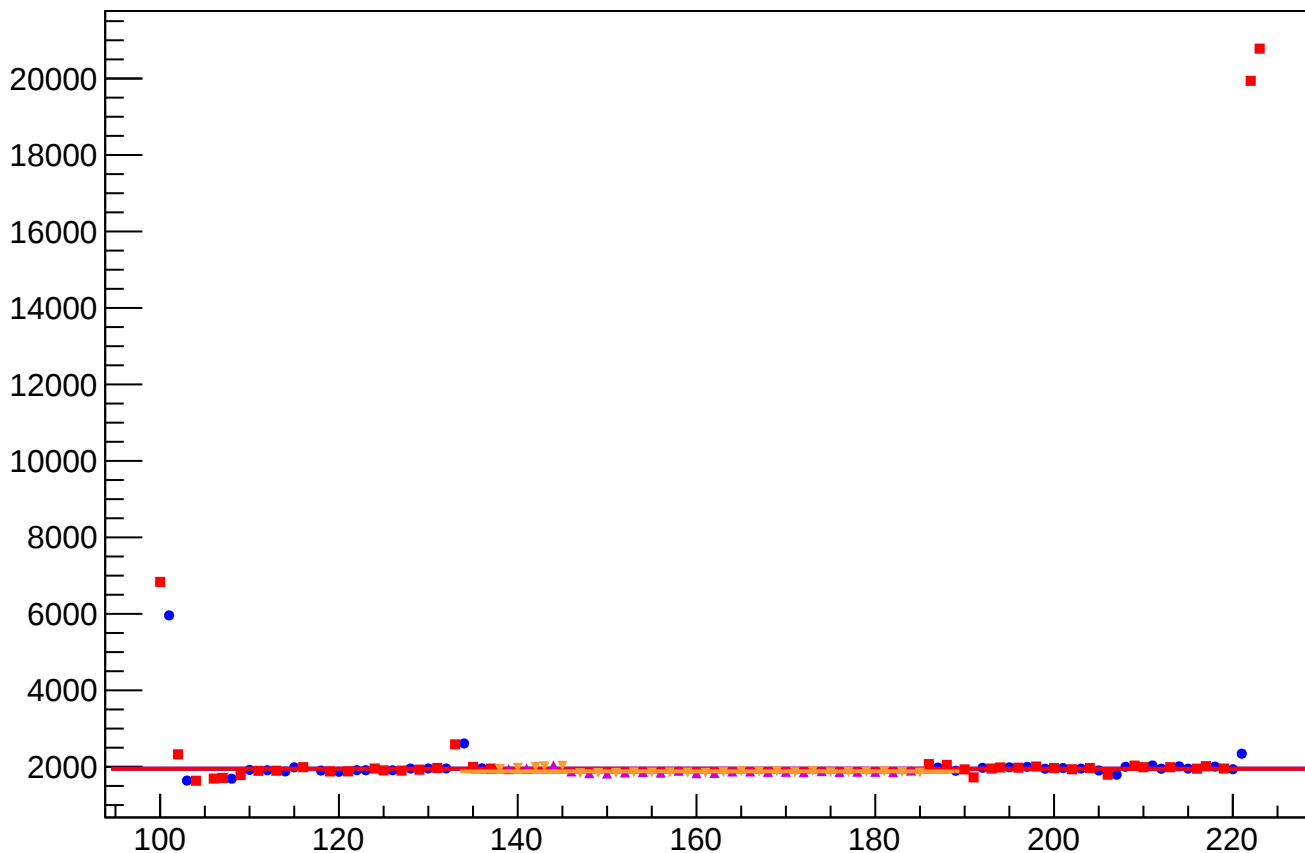
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign -191.804 ± 313.015 χ^2/NDF : 64.0/59

All: -226.384 ± 222.407 χ^2/NDF : 116.4/121

- sign -261.642 ± 316.068 χ^2/NDF : 52.4/61

reg_asym_atr_dd_rms vs Slug



Right In: 1950.725+/-0.316 χ^2/NDF : 663443.5/34

Left Out: 1880.808+/-0.310 χ^2/NDF : 28655.5/24

Right Out: 1950.796+/-0.314 χ^2/NDF : 2124101.8/38

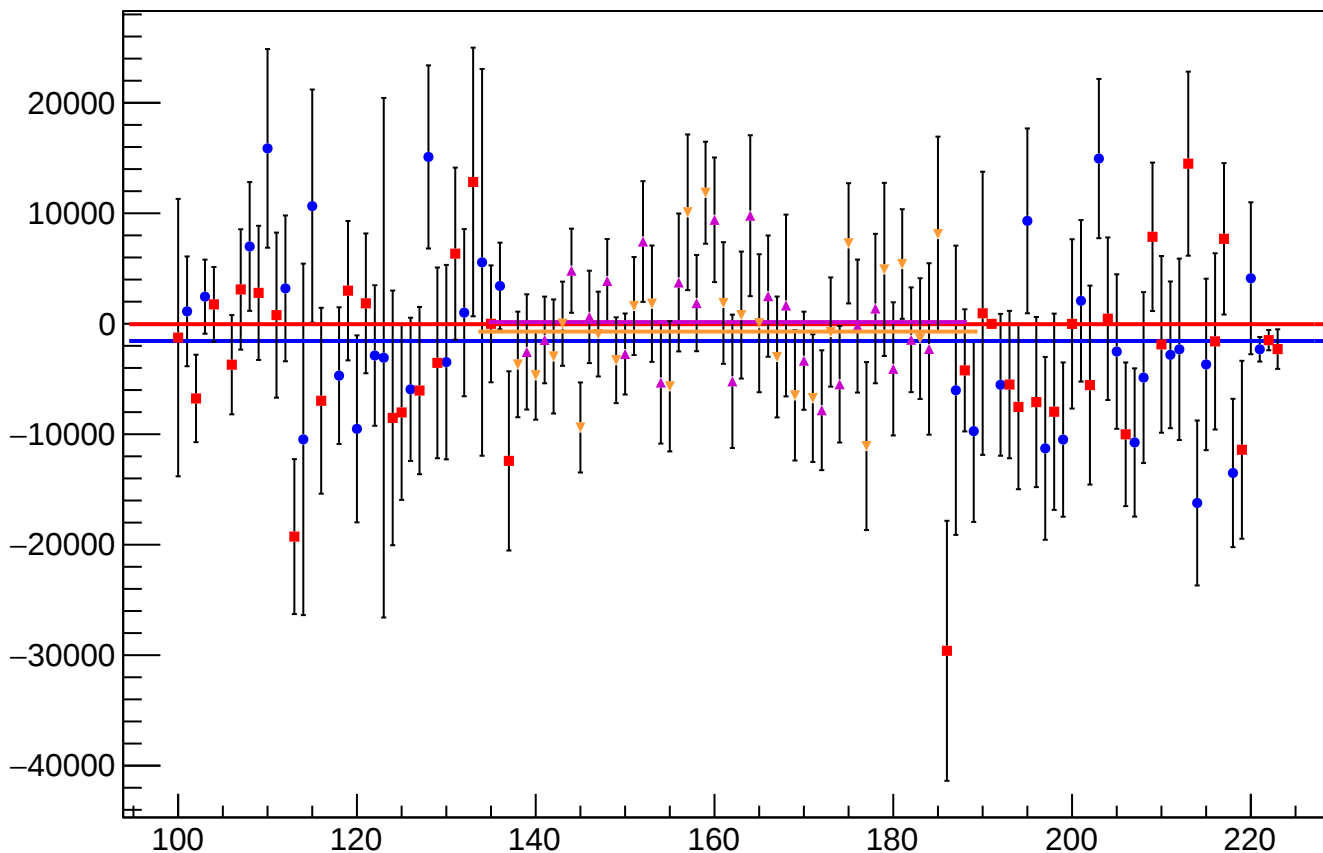
Left In: 1876.685+/-0.318 χ^2/NDF : 20499.7/22

+ sign 1915.060+/-0.221 χ^2/NDF : 717035.1/59

All: 1914.633+/-0.157 χ^2/NDF : 2889153.4/12

- sign 1914.197+/-0.223 χ^2/NDF : 2172110.8/61

asym_atr_dd_correction_mean vs Slug



Right In: -1559.570 ± 809.741 χ^2/NDF : 39.5/34

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

Right Out: -39.986 ± 85.295 χ^2/NDF : 44.3/38

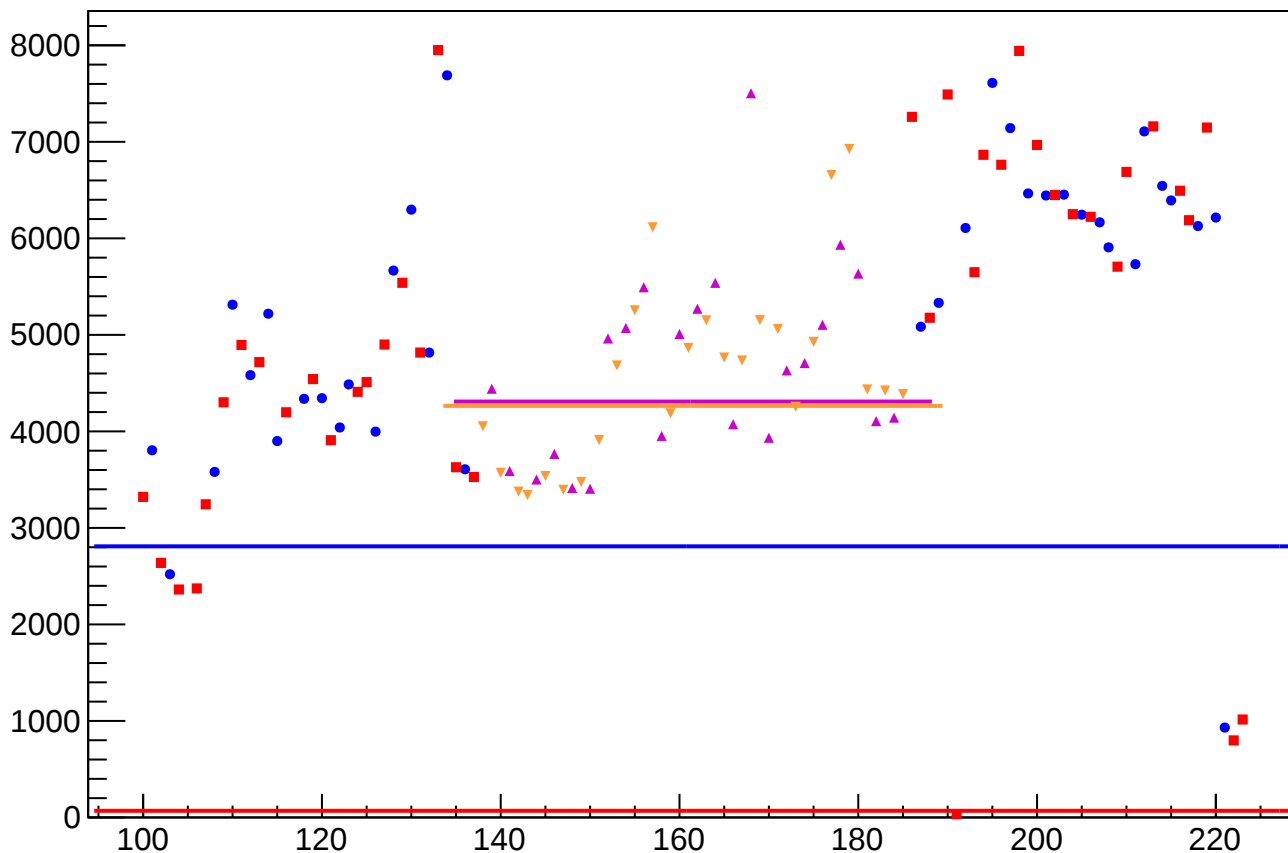
Left In: 150.495 ± 1053.655 χ^2/NDF : 16.9/22

+ sign -1229.377 ± 633.646 χ^2/NDF : 67.0/59

All: -59.801 ± 84.262 χ^2/NDF : 131.7/121

- sign -38.746 ± 85.017 χ^2/NDF : 61.2/61

asym_atr_dd_correction_rms vs Slug



Right In: 2809.010 $\pm$ 0.573 χ^2 /NDF: 15143291.0/34

Left Out: 4264.433 $\pm$ 0.720 χ^2 /NDF:1354900.8/24

Right Out: 68.887 $\pm$ 0.060 χ^2 /NDF: 39312023.3/38

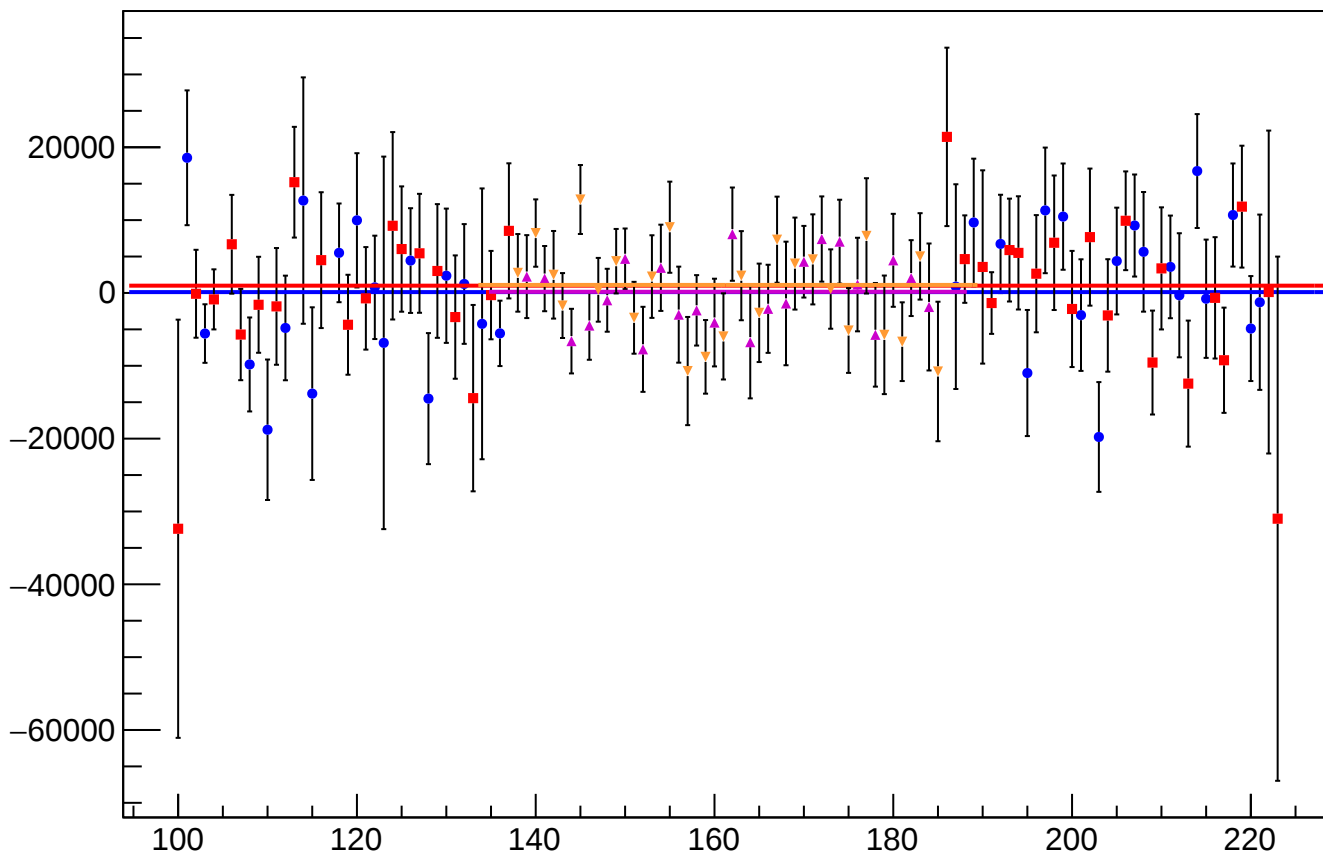
Left In: 4309.034 $\pm$ 0.745 χ^2 /NDF:1305133.3/22

+ sign 3373.202 $\pm$ 0.448 χ^2 /NDF: 19002881.5/59

All: 154.435 $\pm$ 0.060 χ^2 /NDF: 144334820.1/1

- sign 96.492 $\pm$ 0.060 χ^2 /NDF: 72795093.6/61

asym_atr_dd_mean vs Slug



Right In: 116.200 $\pm$ 1302.104 χ^2 /NDF: 45.8/34

Left Out: 1102.204 $\pm$ 1126.663 χ^2 /NDF: 28.6/24

Right Out: 1000.058 $\pm$ 1219.928 χ^2 /NDF: 28.2/38

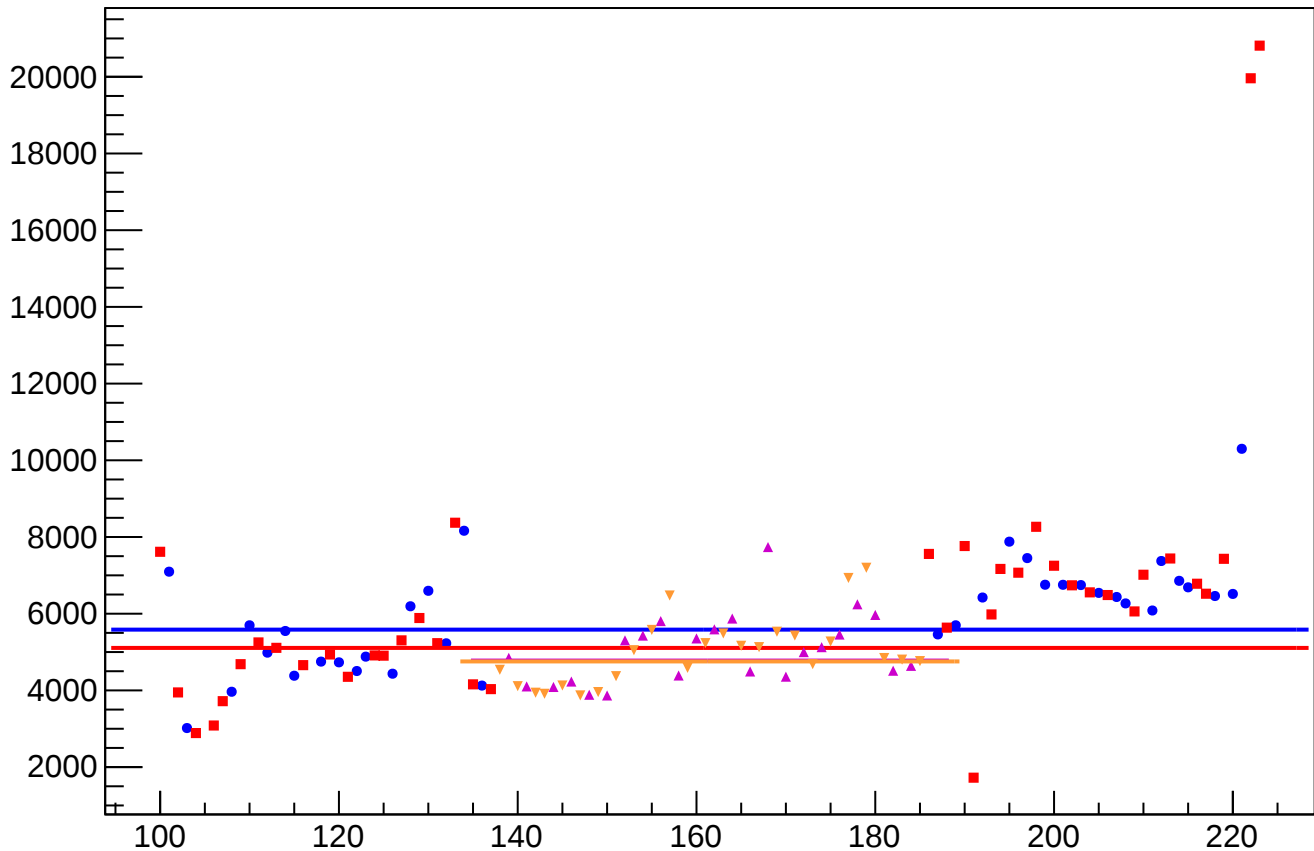
Left In: 158.683 $\pm$ 1161.507 χ^2 /NDF: 15.5/22

+ sign 680.056 $\pm$ 851.998 χ^2 /NDF: 74.7/59

All: 618.626 $\pm$ 598.601 χ^2 /NDF: 118.7/121

- sign 558.742 $\pm$ 841.205 χ^2 /NDF: 44.0/61

asym_atr_dd_rms vs Slug



Right In: 5584.650+/-0.921 χ^2 /NDF: 2510429.4/34

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

Right Out: 5107.780+/-0.860 χ^2 /NDF: 5448661.7/38

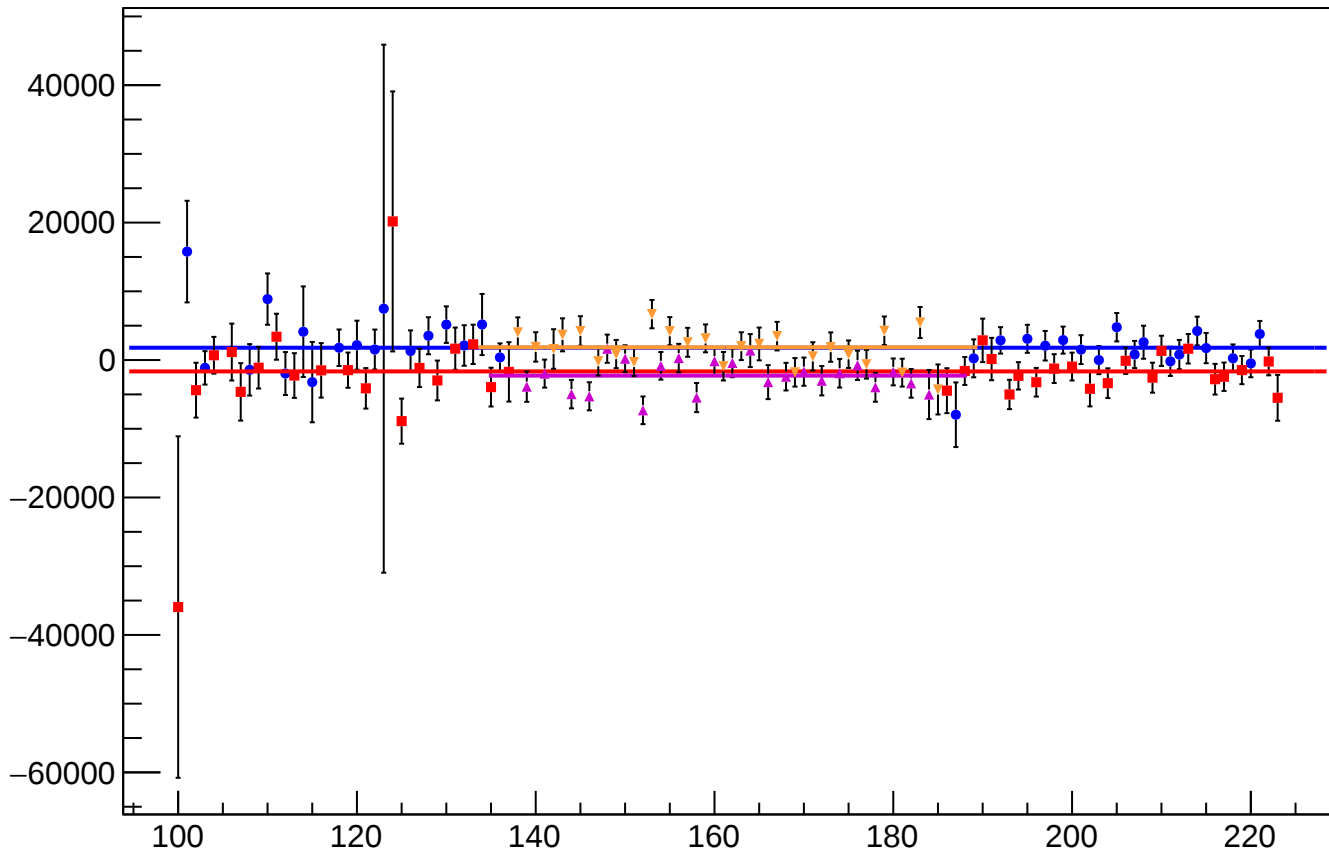
Left In: 4777.831+/-0.821 χ^2 /NDF:950291.2/22

+ sign 5110.426+/-0.602 χ^2 /NDF: 3927649.4/59

All: 5021.572+/-0.423 χ^2 /NDF: 10446473.7/1

- sign 4935.194+/-0.594 χ^2 /NDF: 6475925.8/61

reg_asym_at1_avg_mean vs Slug



Right In: 1792.620 ± 424.124 χ^2/NDF : 29.1/34

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

Right Out: -1653.409 ± 419.022 χ^2/NDF : 32.6/38

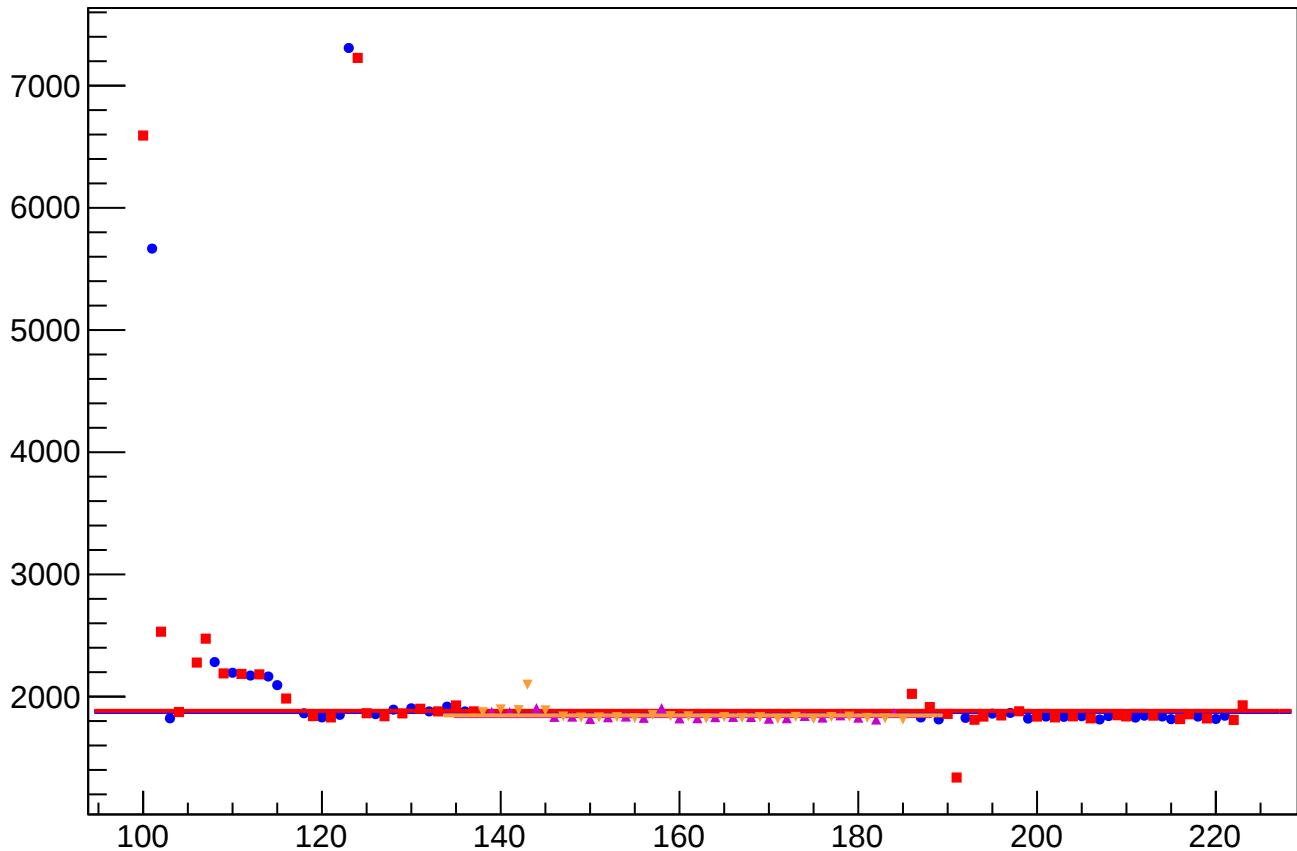
Left In: -2268.464 ± 441.710 χ^2/NDF : 26.9/22

+ sign 1824.082 ± 302.294 χ^2/NDF : 59.1/59

All: -49.738 ± 214.354 χ^2/NDF : 196.9/121

- sign -1944.735 ± 303.998 χ^2/NDF : 60.5/61

reg_asym_at1_avg_rms vs Slug



Right In: 1874.683 $\pm$ 0.300 χ^2 /NDF: 646504.8/34

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

Right Out: 1883.568 $\pm$ 0.296 χ^2 /NDF: 484705.6/38

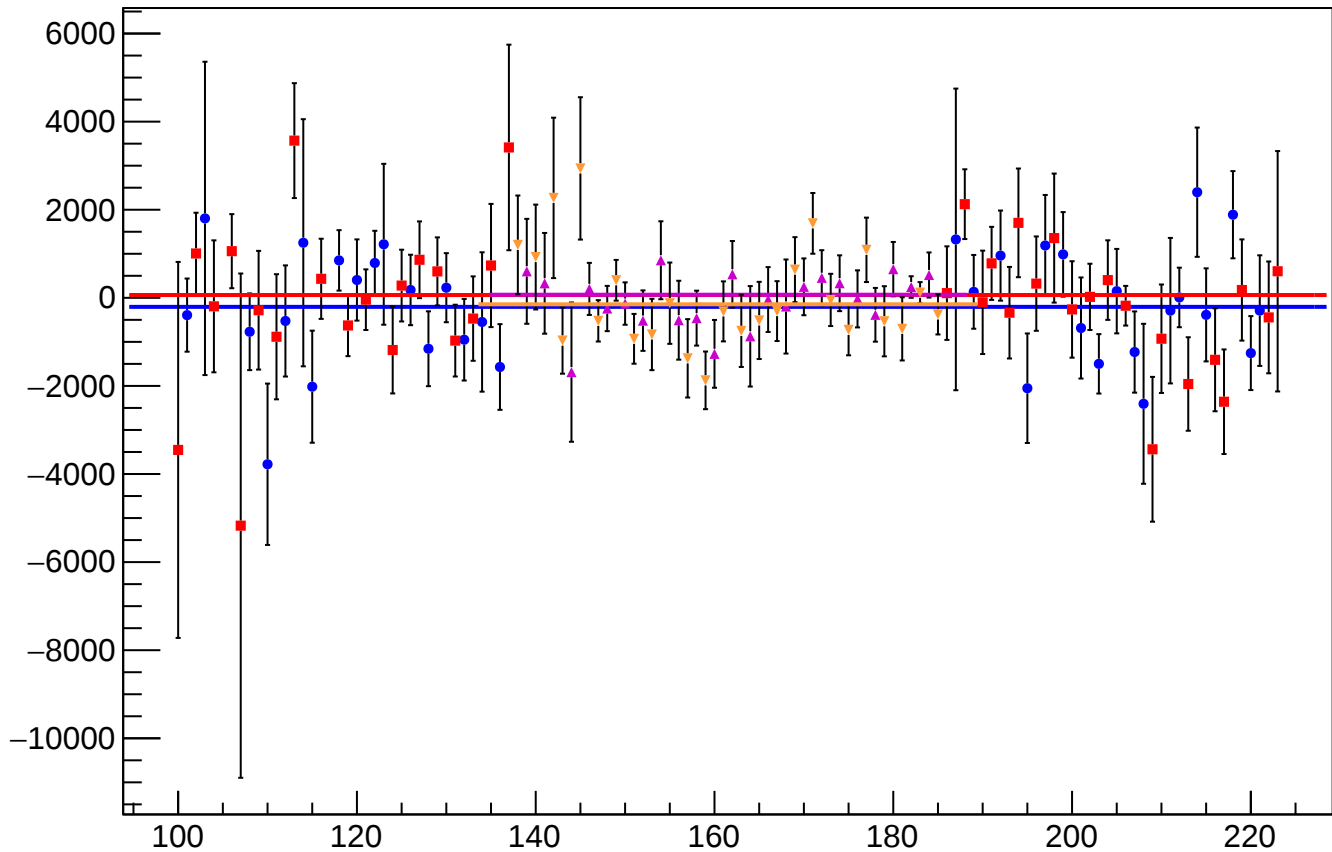
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

+ sign 1860.868 $\pm$ 0.214 χ^2 /NDF: 678121.1/59

All: 1862.021 $\pm$ 0.152 χ^2 /NDF: 1179613.6/12

- sign 1863.188 $\pm$ 0.215 χ^2 /NDF: 501433.9/61

asym_at1_avg_correction_mean vs Slug



Right In: -205.182 ± 169.849 χ^2/NDF : 39.6/34

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

Right Out: 63.652 ± 157.798 χ^2/NDF : 45.7/38

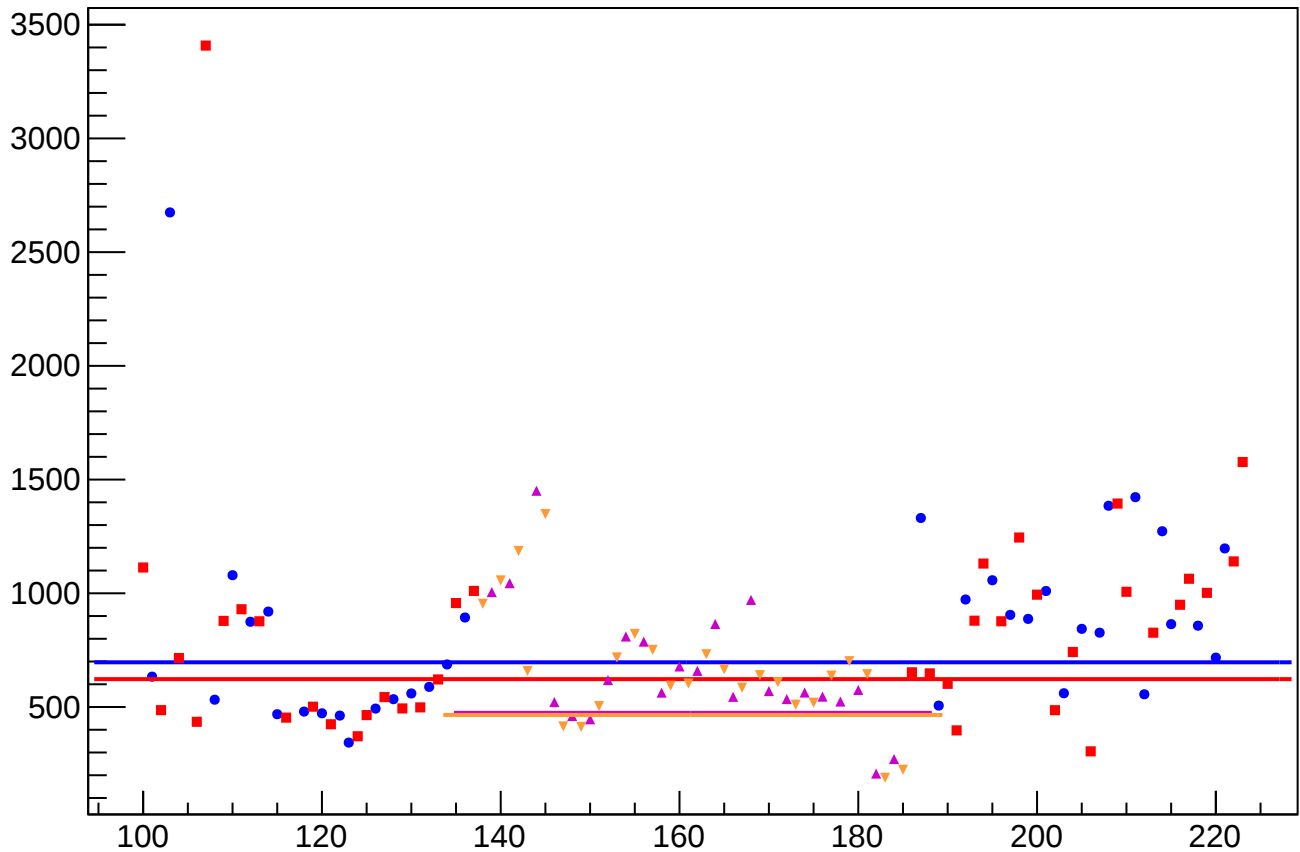
Left In: 70.340 ± 126.373 χ^2/NDF : 12.3/22

+ sign -166.797 ± 99.079 χ^2/NDF : 77.3/59

All: -49.014 ± 69.904 χ^2/NDF : 138.1/121

- sign 67.727 ± 98.640 χ^2/NDF : 58.0/61

asym_at1_avg_correction_rms vs Slug



Right In: 696.604 $\pm$ 0.120 χ^2 /NDF: 4317166.0/34

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

Right Out: 622.634 $\pm$ 0.112 χ^2 /NDF: 6033424.2/38

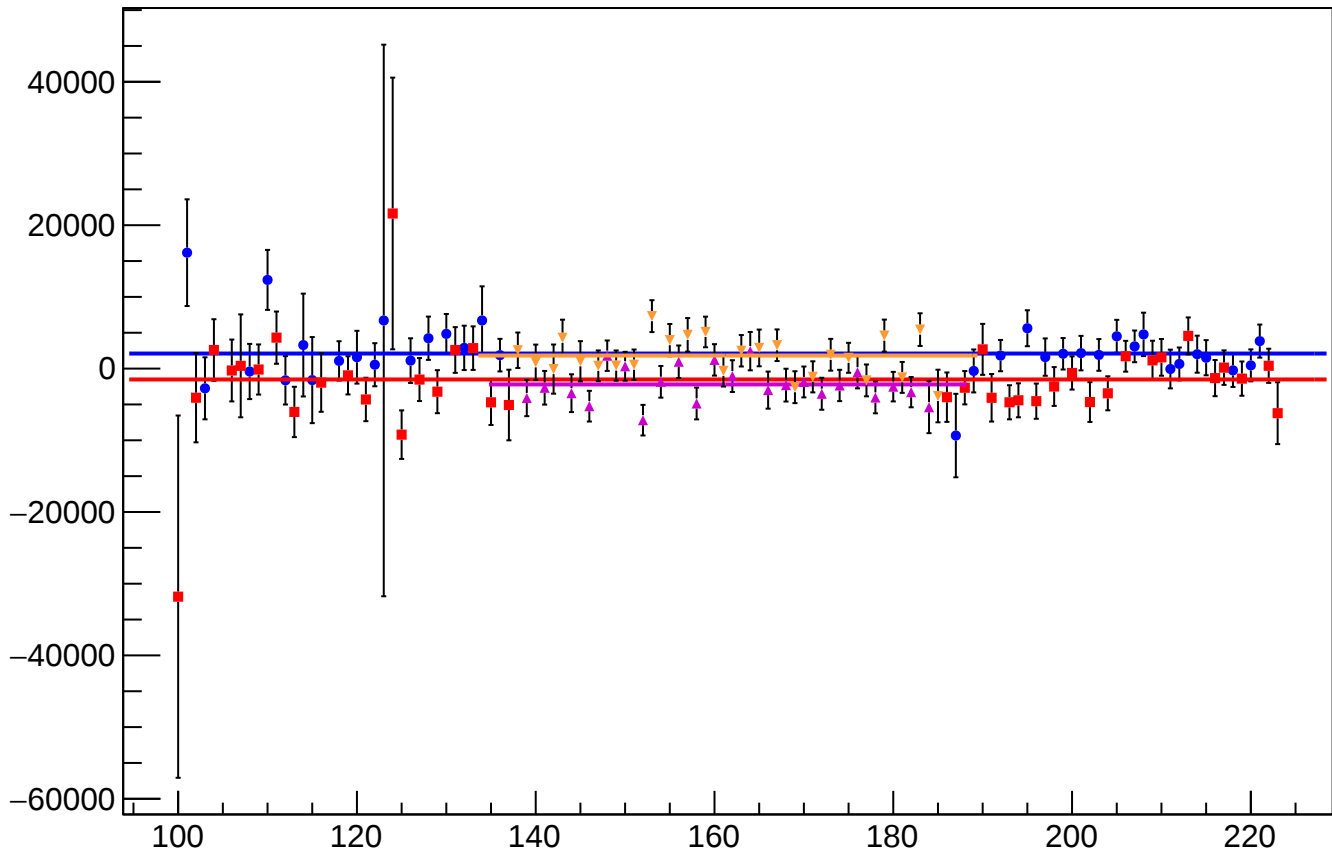
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

+ sign 543.863 $\pm$ 0.070 χ^2 /NDF: 13854920.6/59

All: 538.025 $\pm$ 0.049 χ^2 /NDF: 27152526.3/12

- sign 532.239 $\pm$ 0.070 χ^2 /NDF: 13283778.8/61

asym_at1_avg_mean vs Slug



Right In: 2100.745 $\pm$ 482.181 χ^2 /NDF: 27.8/34

Left Out: 1824.066 $\pm$ 462.694 χ^2 /NDF:32.1/24

Right Out: -1514.603 $\pm$ 479.789 χ^2 /NDF: 42.6/38

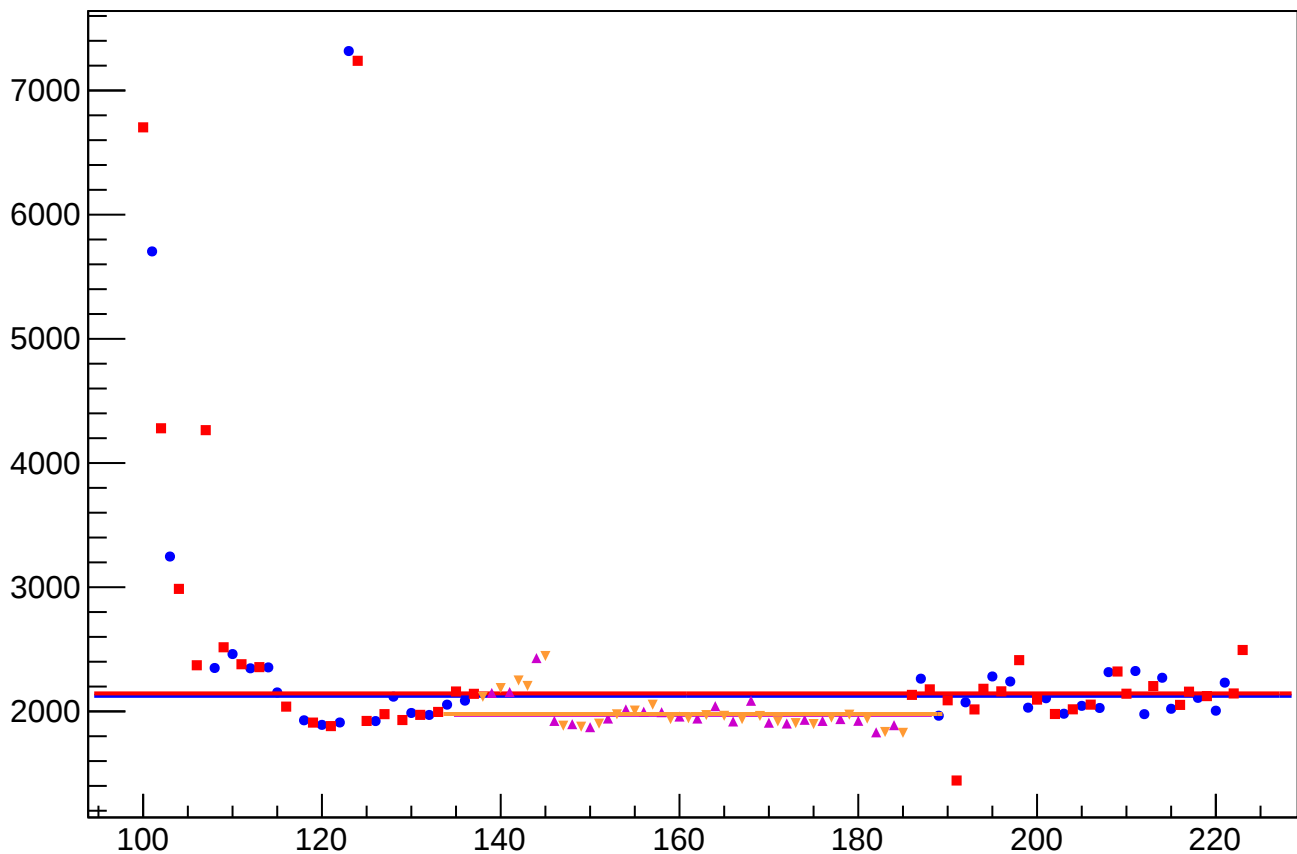
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 1956.702 $\pm$ 333.851 χ^2 /NDF: 60.1/59

All: 64.747 $\pm$ 237.248 χ^2 /NDF: 193.9/121

- sign -1865.531 $\pm$ 337.215 χ^2 /NDF: 69.0/61

asym_at1_avg_rms vs Slug



Right In: 2125.431 ± 0.341 χ^2/NDF : 797851.8/34

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

Right Out: 2144.913 ± 0.339 χ^2/NDF : 967703.3/38

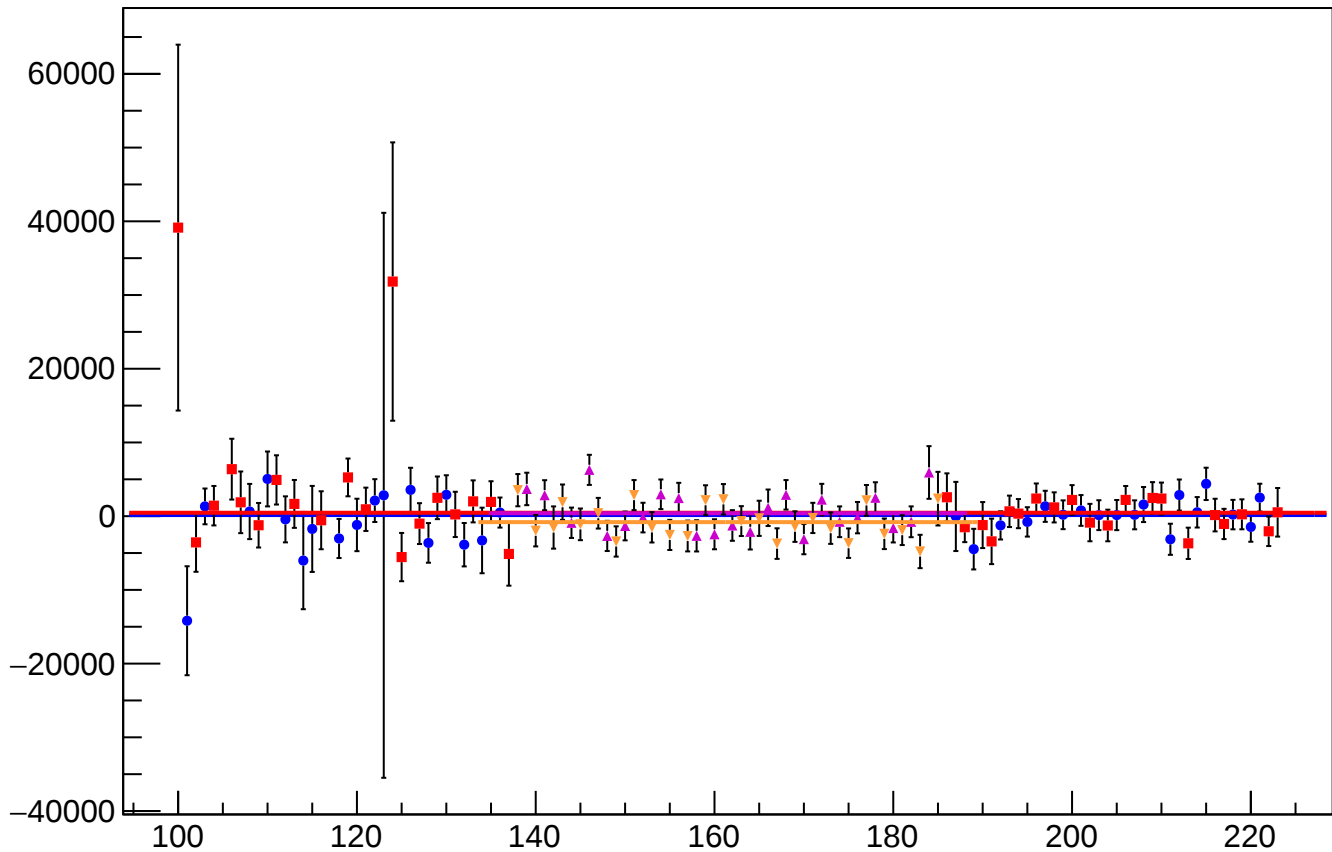
Left In: 1972.166 ± 0.335 χ^2/NDF : 116452.5/22

+ sign 2049.195 ± 0.236 χ^2/NDF : 1033182.5/59

All: 2053.306 ± 0.168 χ^2/NDF : 2249144.6/12

- sign 2057.500 ± 0.238 χ^2/NDF : 1215349.5/61

reg_asym_at1_dd_mean vs Slug



Right In: 152.154+/-421.231 χ^2/NDF : 30.0/34

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

Right Out: 464.196+/-415.921 χ^2/NDF : 35.1/38

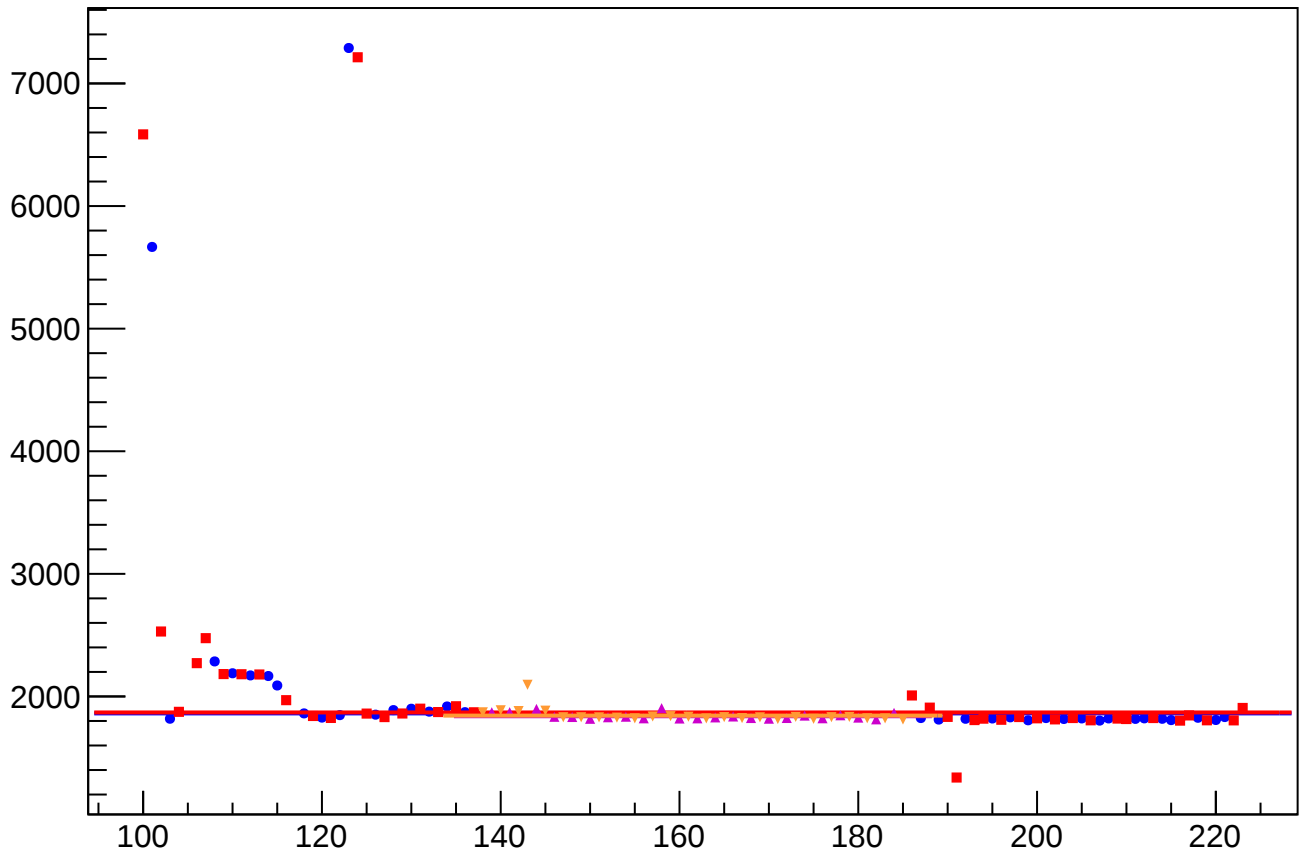
Left In: 398.797+/-441.246 χ^2/NDF : 34.4/22

+ sign -317.907+/-301.012 χ^2/NDF : 60.5/59

All: 55.711+/-213.427 χ^2/NDF : 133.2/121

- sign 433.427+/-302.658 χ^2/NDF : 69.5/61

reg_asym_at1_dd_rms vs Slug



Right In: 1861.710 $\pm$ 0.298 χ^2 /NDF: 656069.3/34

Left Out: 1843.747 $\pm$ 0.304 χ^2 /NDF: 26867.4/24

Right Out: 1869.466 $\pm$ 0.294 χ^2 /NDF: 492825.2/38

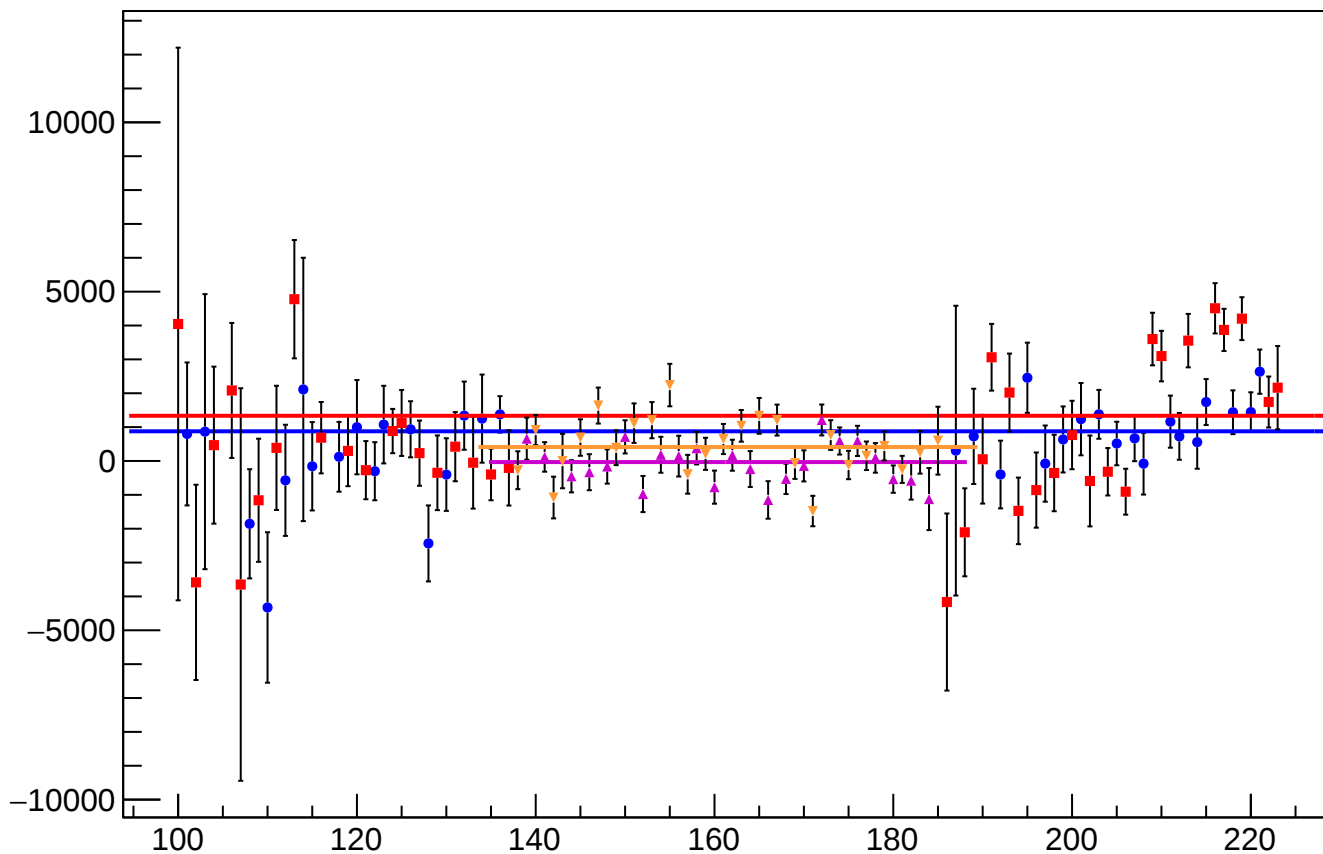
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF: 6335.1/22

+ sign 1852.920 $\pm$ 0.213 χ^2 /NDF: 684716.5/59

All: 1853.929 $\pm$ 0.151 χ^2 /NDF: 1189100.5/12

- sign 1854.950 $\pm$ 0.214 χ^2 /NDF: 504338.8/61

asym_at1_dd_correction_mean vs Slug



Right In: 876.389 ± 154.664 χ^2/NDF : 41.4/34

Left Out: 411.072 ± 100.456 χ^2/NDF : 61.2/24

Right Out: 1334.962 ± 158.327 χ^2/NDF : 155.2/38

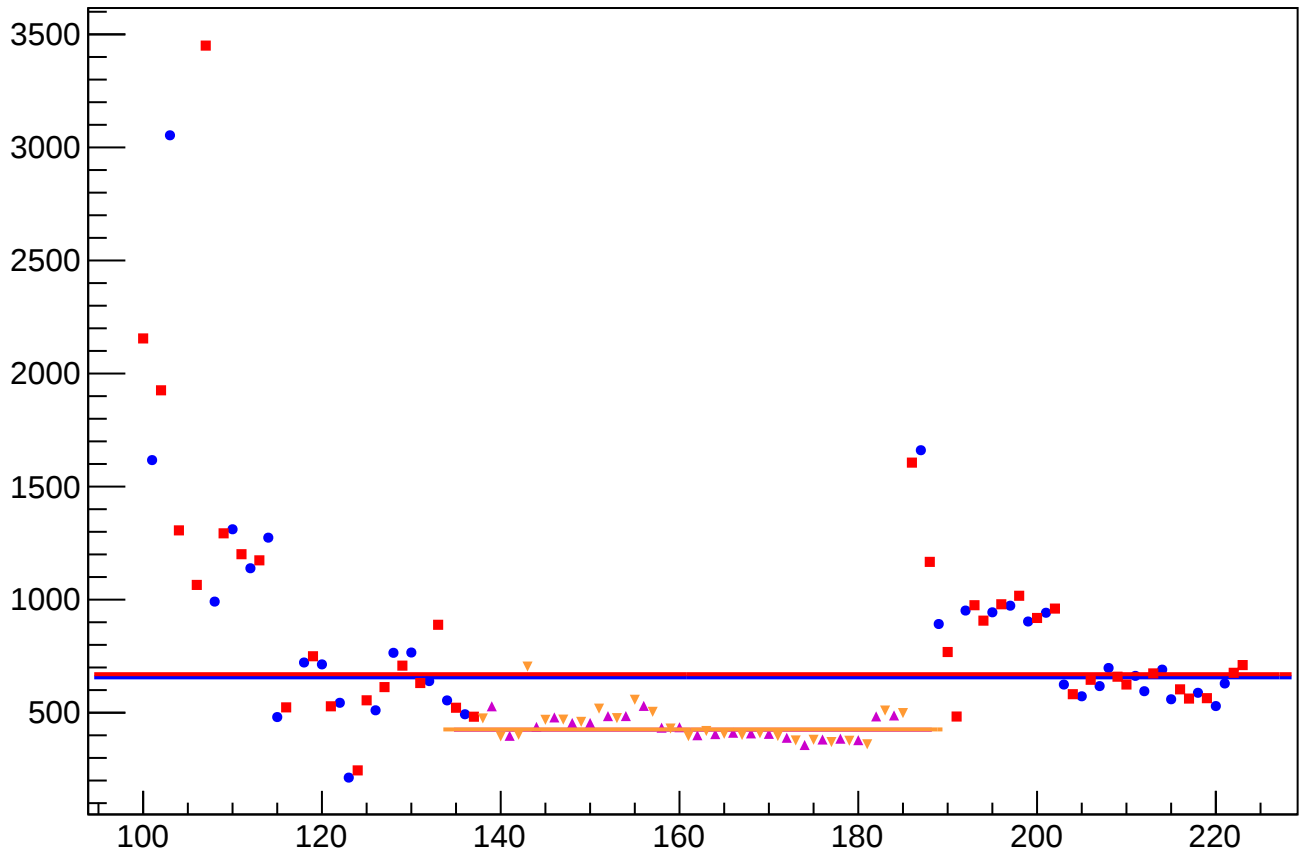
Left In: -32.456 ± 102.403 χ^2/NDF : 32.7/22

+ sign 549.130 ± 84.246 χ^2/NDF : 108.9/59

All: 461.816 ± 60.176 χ^2/NDF : 351.6/121

- sign 370.857 ± 85.986 χ^2/NDF : 240.5/61

asym_at1_dd_correction_rms vs Slug



Right In: 656.299 $\pm$ 0.109 χ^2 /NDF: 3428515.3/34

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 670.357 $\pm$ 0.112 χ^2 /NDF: 4504232.3/38

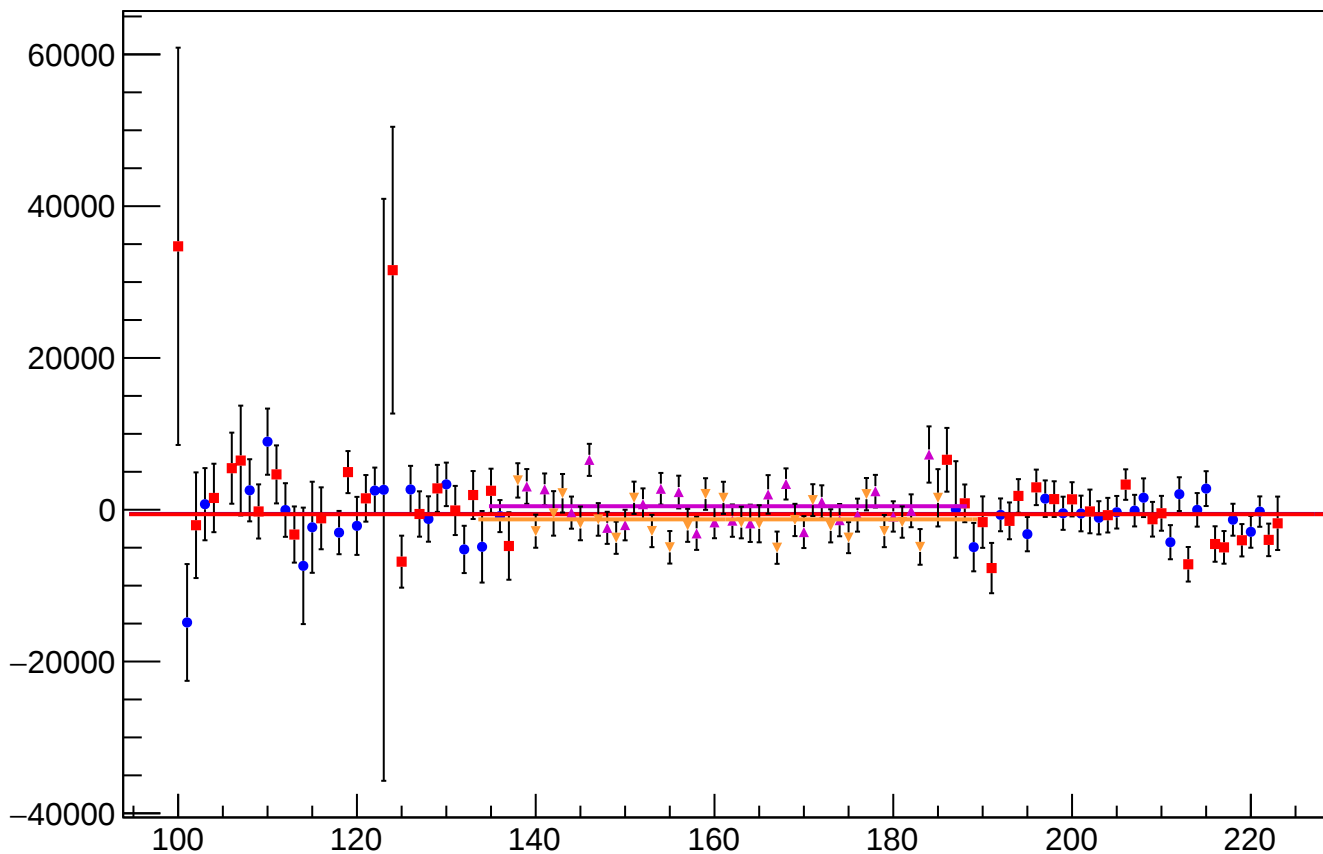
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 494.348 $\pm$ 0.060 χ^2 /NDF: 7279560.2/59

All: 495.702 $\pm$ 0.043 χ^2 /NDF: 15572867.0/12

- sign 497.112 $\pm$ 0.061 χ^2 /NDF: 8292252.6/61

asym_at1_dd_mean vs Slug



Right In: -555.242 ± 460.646 χ^2/NDF : 30.3/34

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: -588.723 ± 461.135 χ^2/NDF : 59.2/38

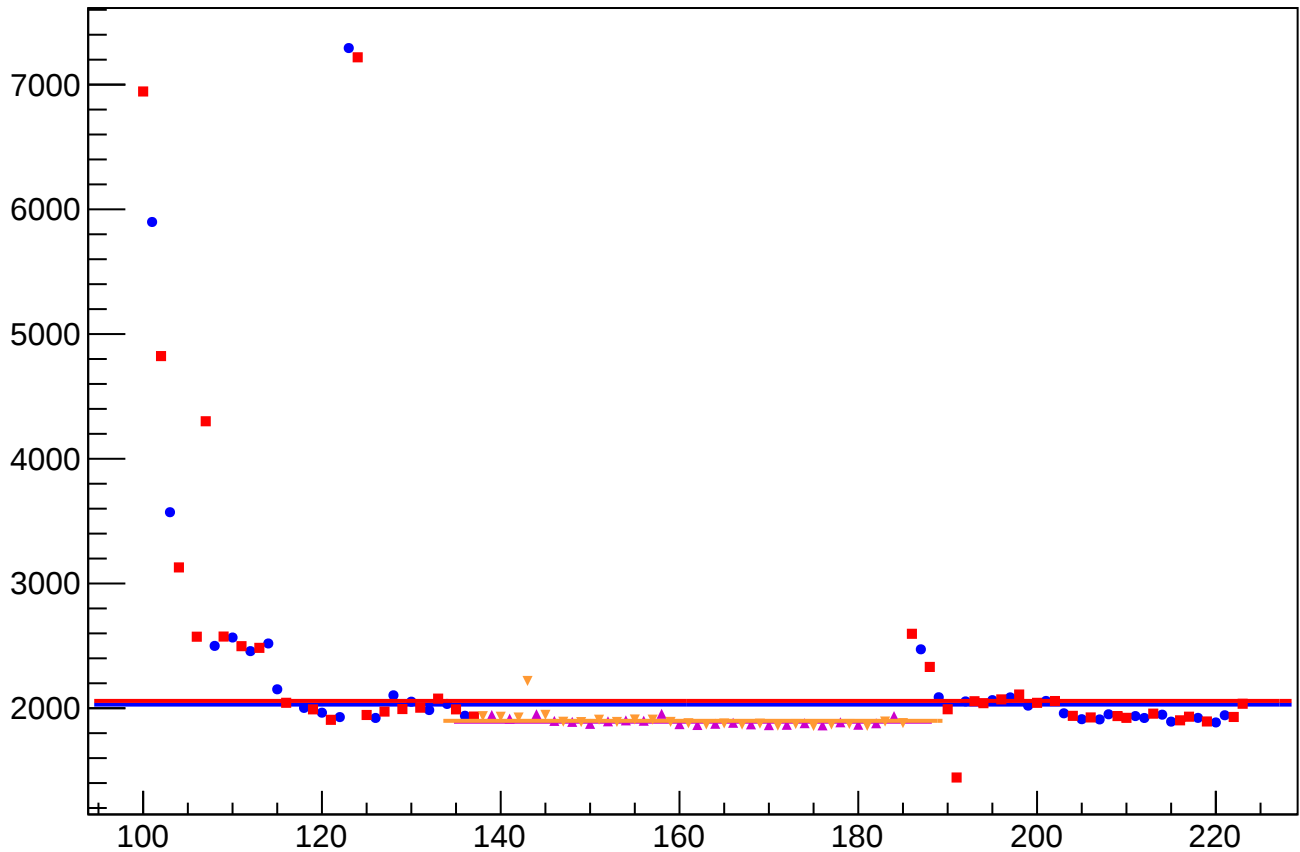
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -925.299 ± 319.386 χ^2/NDF : 62.4/59

All: -495.622 ± 227.281 χ^2/NDF : 160.4/121

- sign -54.804 ± 323.500 χ^2/NDF : 94.4/61

asym_at1_dd_rms vs Slug



Right In: 2029.030+/-0.326 χ^2/NDF : 924957.2/34

Left Out: 1898.962+/-0.313 χ^2/NDF : 38680.4/24

Right Out: 2058.663+/-0.326 χ^2/NDF : 1165417.8/38

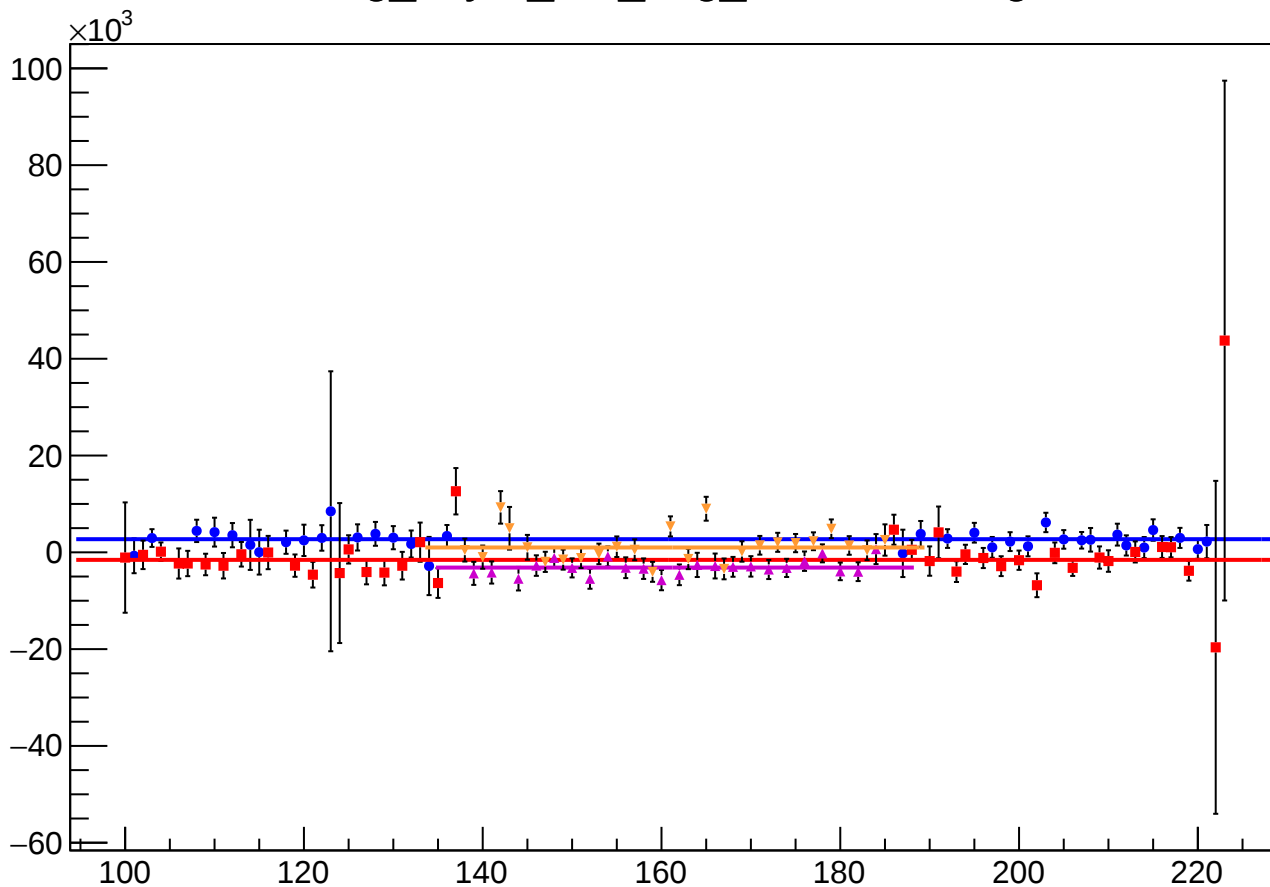
Left In: 1891.693+/-0.321 χ^2/NDF : 7420.7/22

+ sign 1961.489+/-0.226 χ^2/NDF : 1046439.0/59

All: 1967.598+/-0.161 χ^2/NDF : 2353925.2/12

- sign 1973.866+/-0.229 χ^2/NDF : 1306003.6/61

reg_asym_at2_avg_mean vs Slug



Right In: 2715.851 $\pm$ 408.162 χ^2 /NDF: 11.8/34

Left Out: 1001.263 $\pm$ 435.247 χ^2 /NDF: 44.6/24

Right Out: -1557.105 $\pm$ 408.115 χ^2 /NDF: 38.2/38

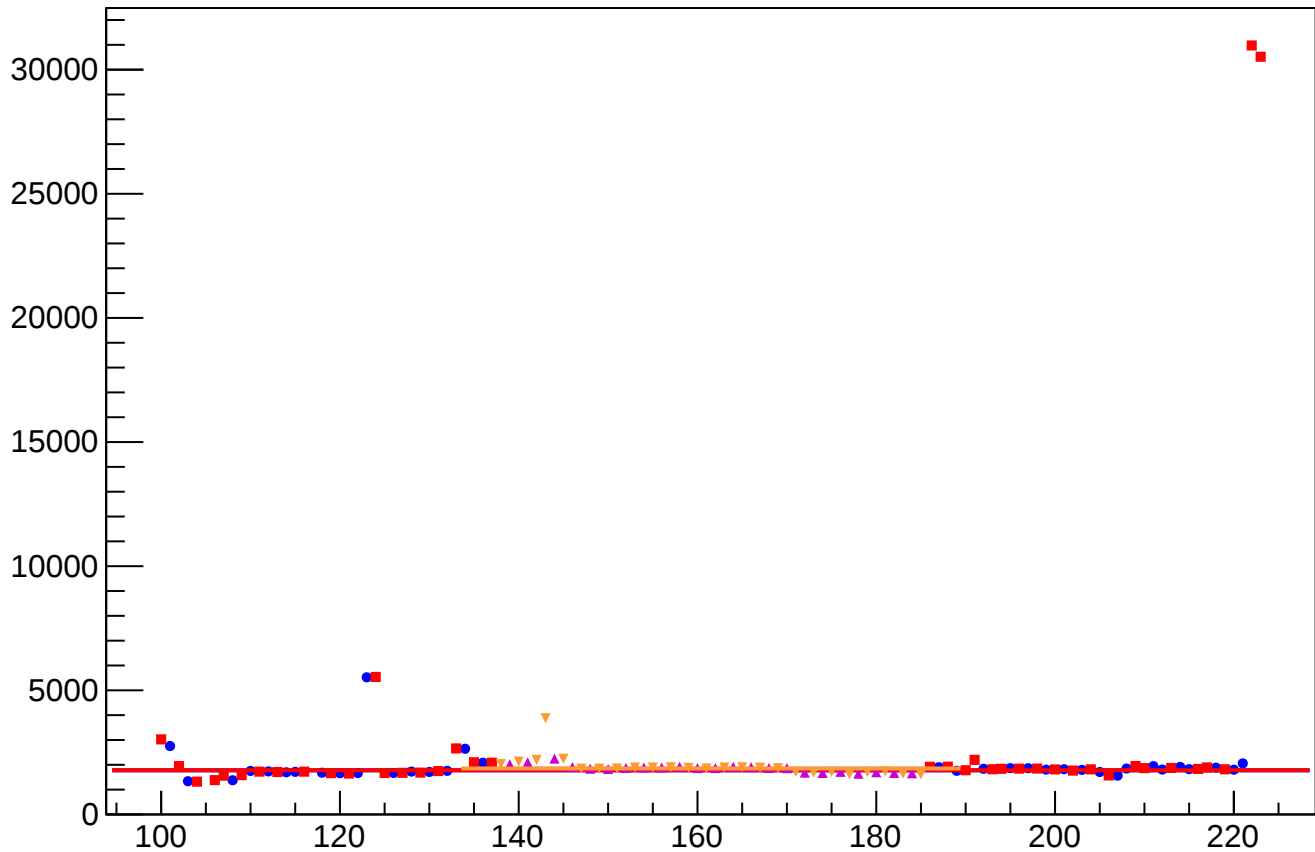
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF: 11.8/22

+ sign 1913.562 $\pm$ 297.729 χ^2 /NDF: 64.7/59

All: -176.148 $\pm$ 211.177 χ^2 /NDF: 220.9/121

- sign -2291.896 $\pm$ 299.578 χ^2 /NDF: 57.0/61

reg_asym_at2_avg_rms vs Slug



Right In: 1777.235+/-0.289 χ^2/NDF : 536902.7/34

Left Out: 1851.959+/-0.308 χ^2/NDF : 648954.2/24

Right Out: 1781.053+/-0.289 χ^2/NDF : 2594503.3/38

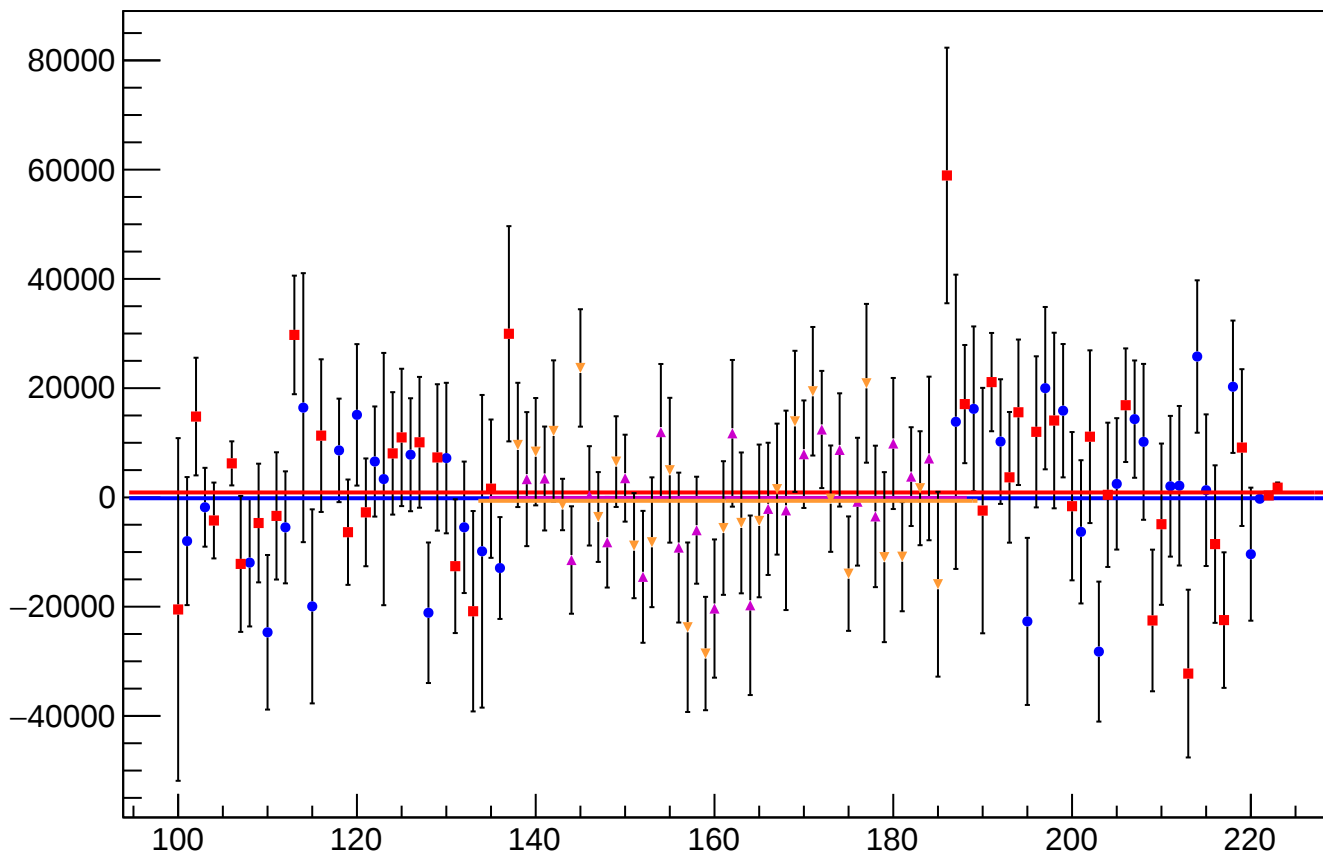
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1812.200+/-0.211 χ^2/NDF : 1217222.5/59

All: 1809.578+/-0.149 χ^2/NDF : 4029978.6/12

- sign 1806.923+/-0.212 χ^2/NDF : 2812444.0/61

asym_at2_avg_correction_mean vs Slug



Right In: -151.620 ± 704.509 χ^2/NDF : 37.4/34

Left Out: -619.372 ± 2069.686 χ^2/NDF : 30.1/24

Right Out: 906.871 ± 455.903 χ^2/NDF : 54.1/38

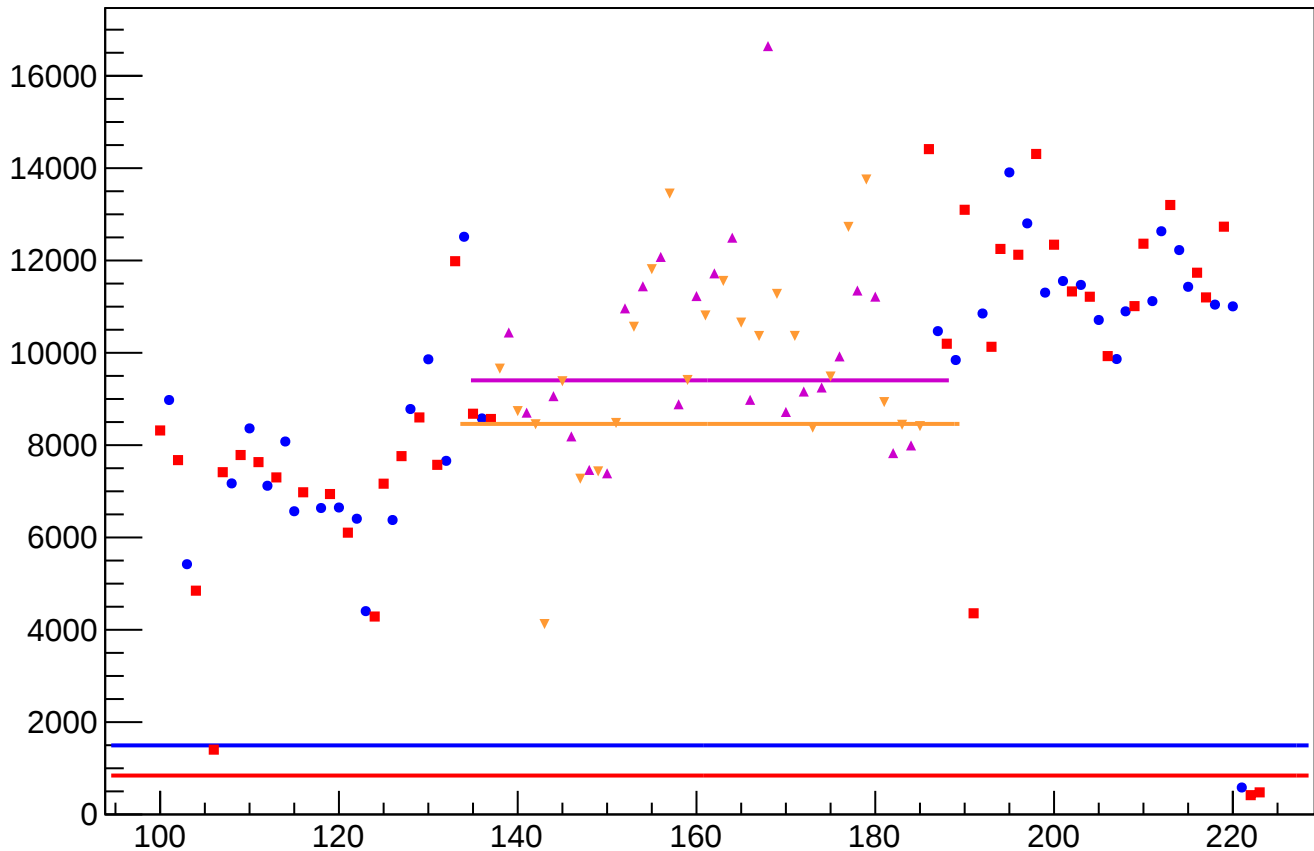
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign -200.190 ± 666.930 χ^2/NDF : 67.6/59

All: 537.326 ± 371.403 χ^2/NDF : 138.3/121

- sign 868.862 ± 447.156 χ^2/NDF : 68.9/61

asym_at2_avg_correction_rms vs Slug



Right In: 1496.003+/-0.498 χ^2/NDF : 30004122.6/34

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 842.915+/-0.322 χ^2/NDF : 33319114.0/38

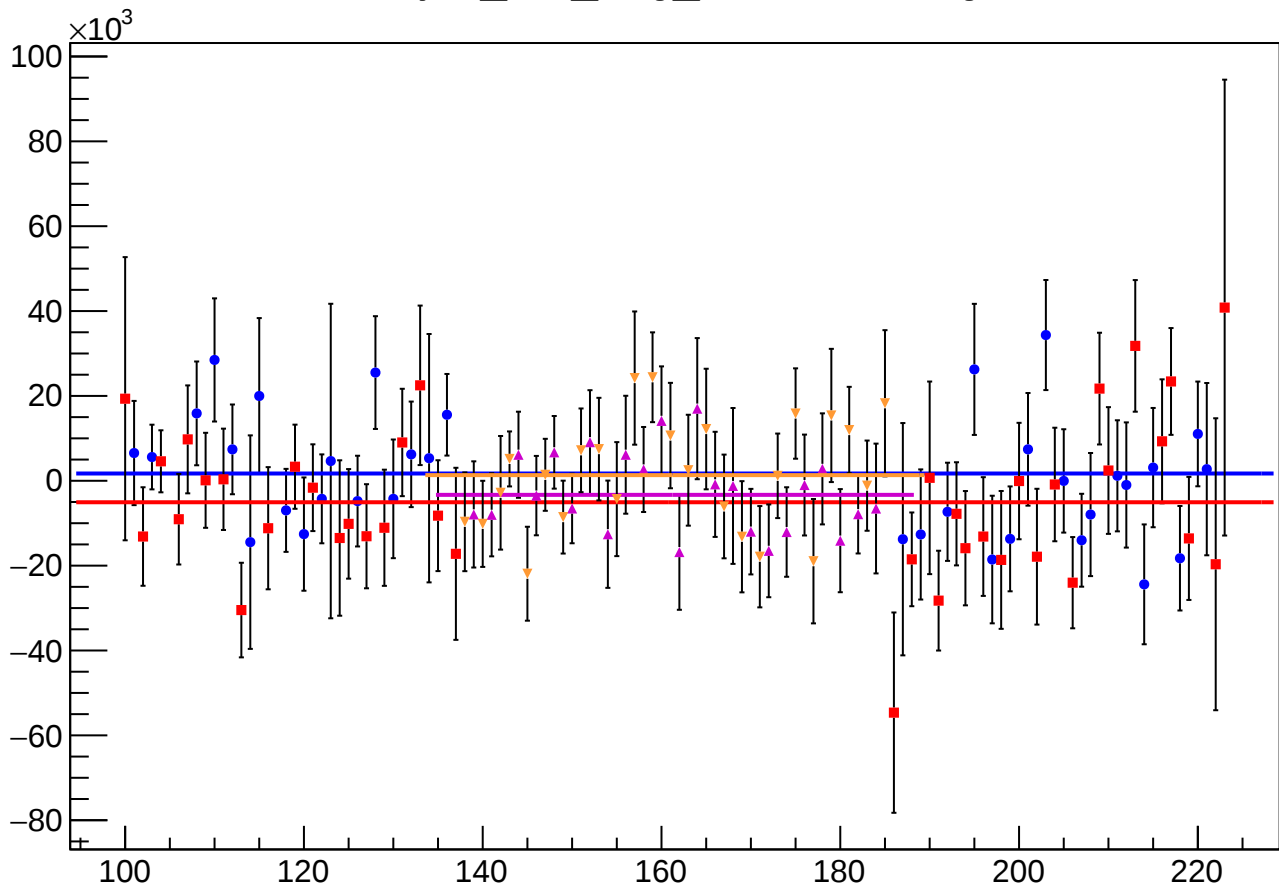
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 2219.118+/-0.472 χ^2/NDF : 53383112.7/59

All: 1494.131+/-0.263 χ^2/NDF : 118067783.9

- sign 1168.228+/-0.316 χ^2/NDF : 61258909.9/61

asym_at2_avg_mean vs Slug



Right In: 1715.509+/-2190.525 χ^2/NDF : 38.5/34

Left Out: 1332.828+/-2213.733 χ^2/NDF : 28.0/24

Right Out: -5060.907+/-2117.285 χ^2/NDF : 48.6/38

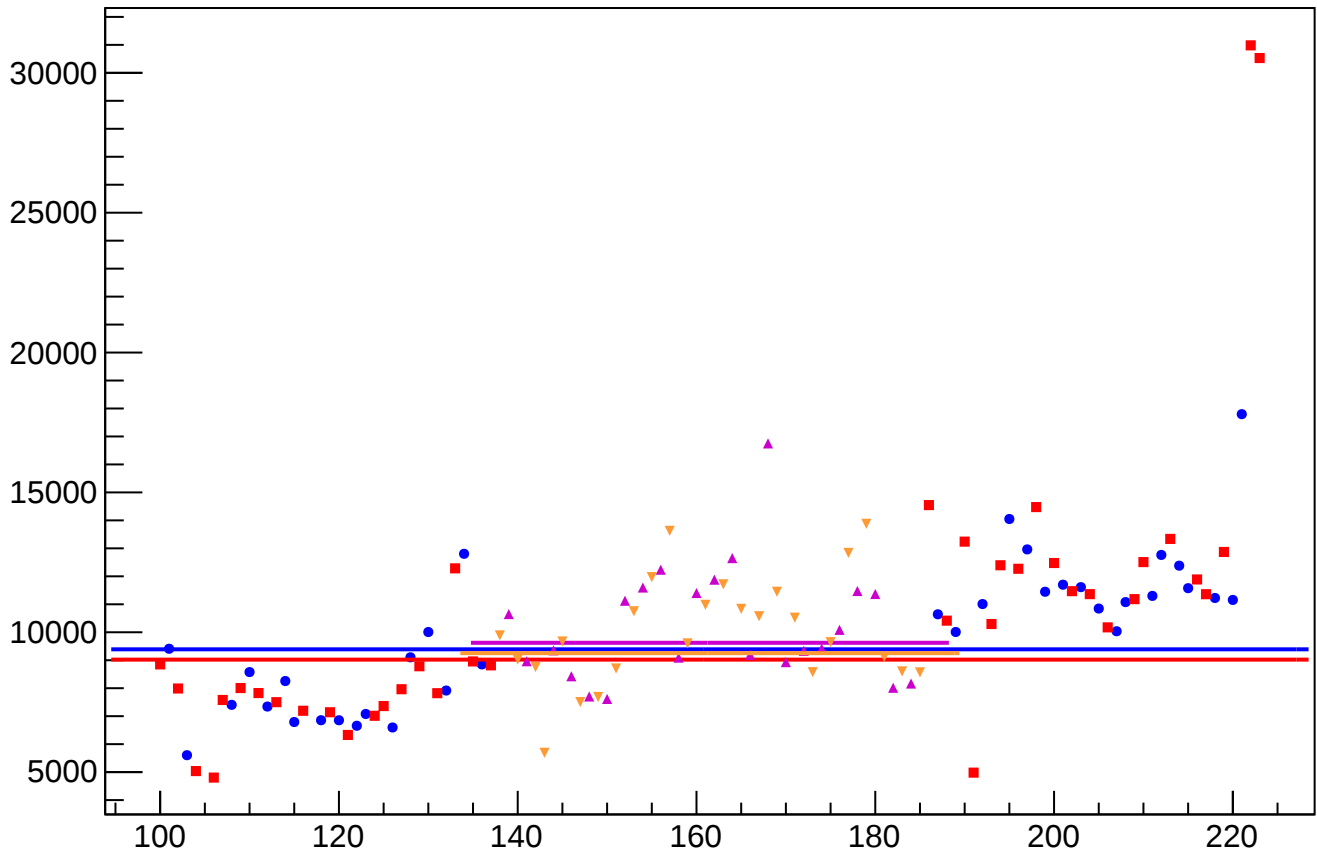
Left In: -3316.909+/-2344.543 χ^2/NDF : 13.7/22

+ sign 1526.185+/-1557.075 χ^2/NDF : 66.6/59

All: -1349.152+/-1106.036 χ^2/NDF : 136.1/12

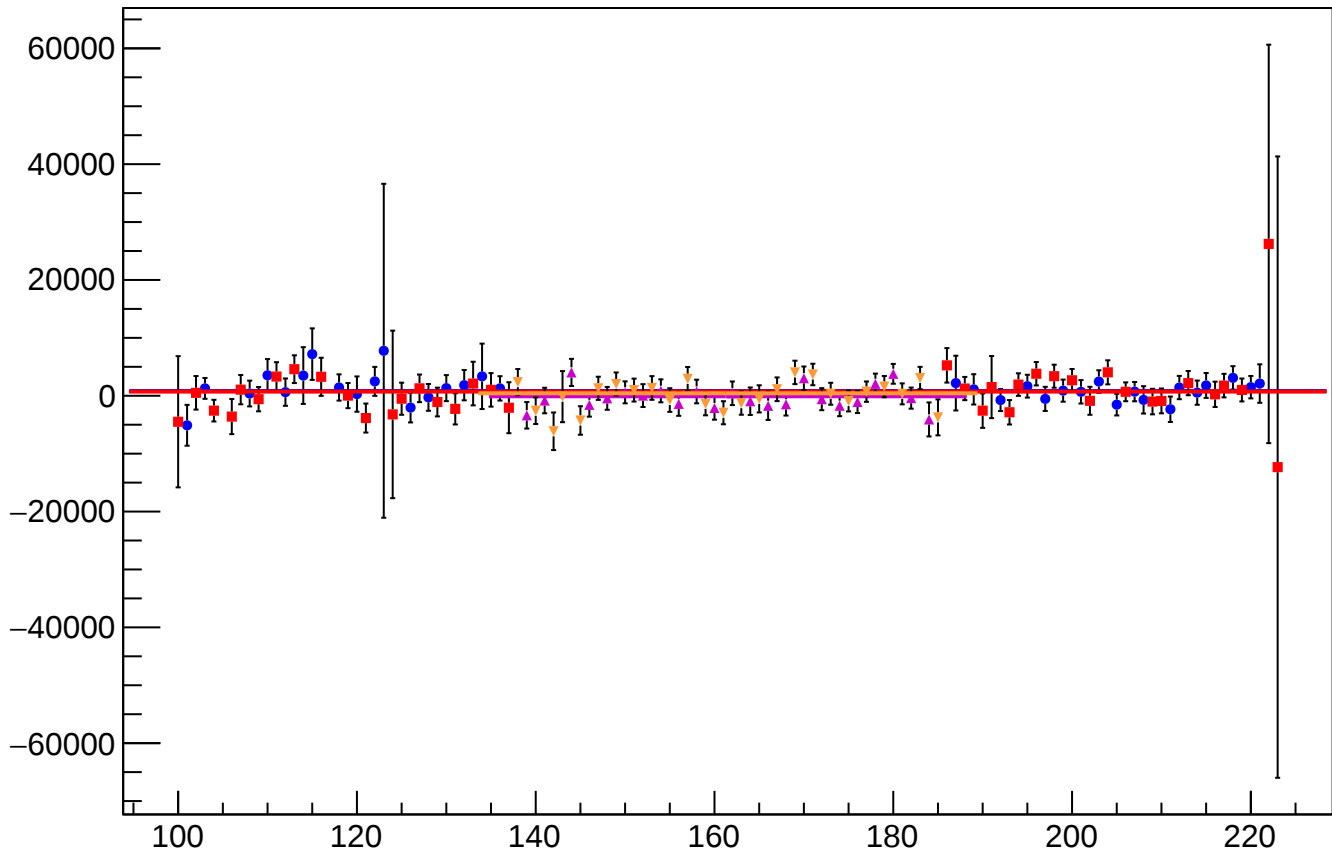
- sign -4277.507+/-1571.365 χ^2/NDF : 62.6/61

asym_at2_avg_rms vs Slug



Right In: 9390.101+/-1.549	χ^2/NDF : 2517283.2/34	+ sign 9322.131+/-1.101	χ^2/NDF : 4118844.5/59
Left Out: 9252.712+/-1.565	χ^2/NDF : 1597668.9/24	All: 9307.219+/-0.782	χ^2/NDF : 9604070.7/12
Right Out: 9021.770+/-1.497	χ^2/NDF : 4342366.9/38	- sign 9292.032+/-1.111	χ^2/NDF : 5484855.9/61
Left In: 9623.485+/-1.658	χ^2/NDF : 1069924.0/22		

reg_asym_at2_dd_mean vs Slug



Right In: 810.227+/-393.535 χ^2/NDF : 16.7/34

Left Out: 429.447+/-416.378 χ^2/NDF : 28.7/24

Right Out: 727.540+/-393.610 χ^2/NDF : 33.7/38

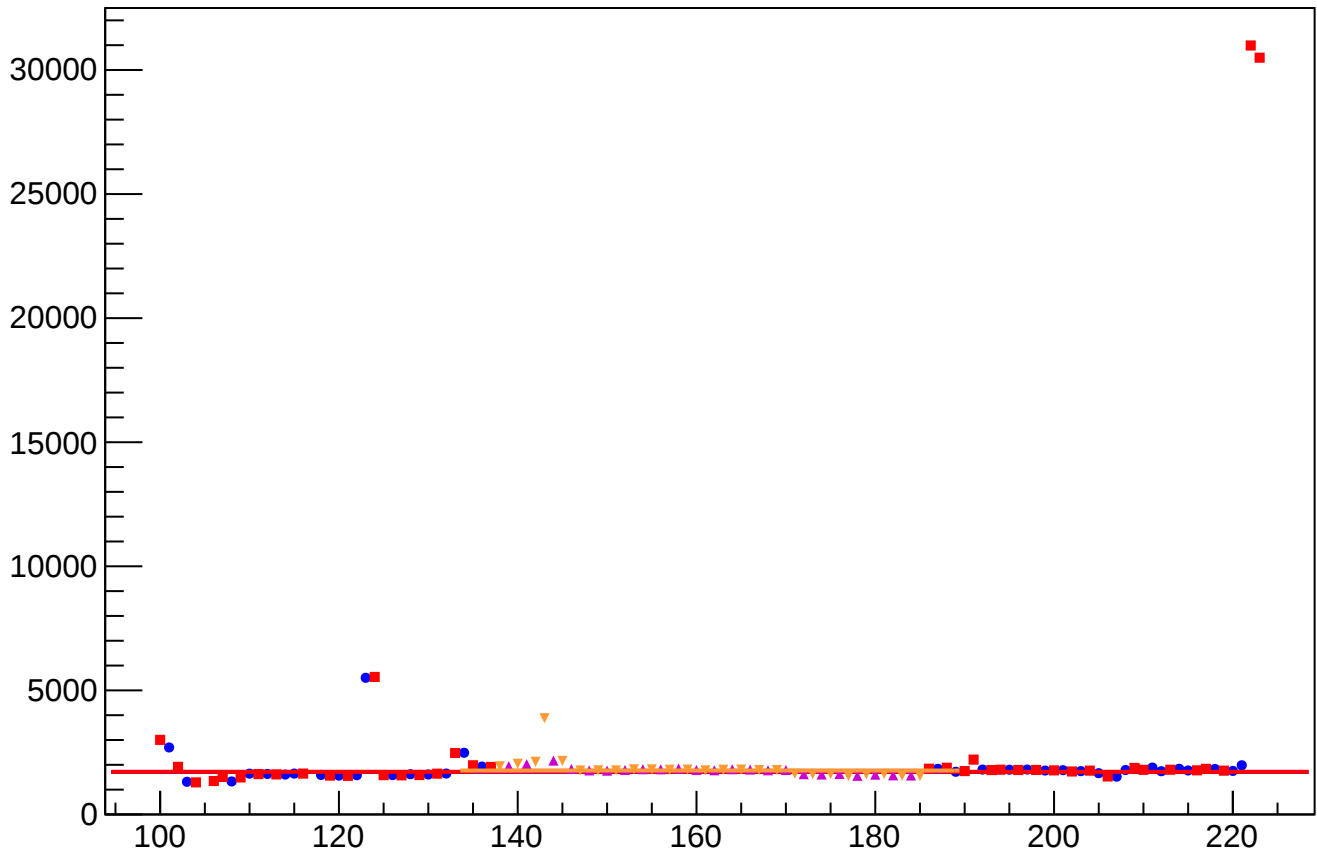
Left In: -88.373+/-421.957 χ^2/NDF : 21.0/22

+ sign 630.568+/-286.006 χ^2/NDF : 45.9/59

All: 490.134+/-202.877 χ^2/NDF : 103.0/121

- sign 347.908+/-287.824 χ^2/NDF : 56.7/61

reg_asym_at2_dd_rms vs Slug



Right In: 1713.444+/-0.278 χ^2/NDF : 533265.7/34

Left Out: 1770.384+/-0.294 χ^2/NDF : 699536.9/24

Right Out: 1717.399+/-0.278 χ^2/NDF : 2614451.4/38

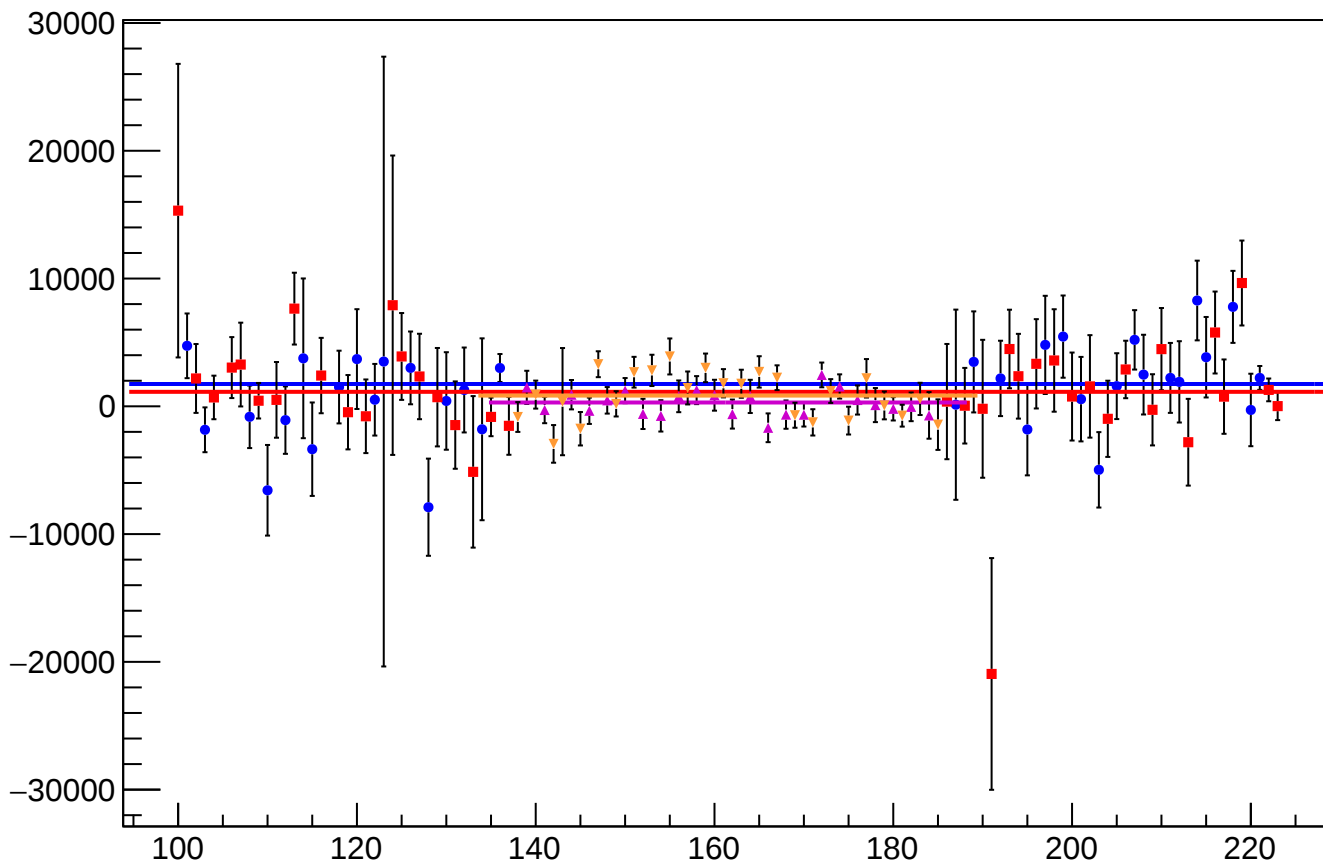
Left In: 1756.623+/-0.298 χ^2/NDF : 223077.6/22

+ sign 1740.309+/-0.202 χ^2/NDF : 1252557.2/59

All: 1737.994+/-0.143 χ^2/NDF : 4099591.2/12

- sign 1735.649+/-0.204 χ^2/NDF : 2846770.2/61

asym_at2_dd_correction_mean vs Slug



Right In: 1746.156+/-429.729 χ^2 /NDF: 45.2/34

Left Out: 839.344+/-230.465 χ^2 /NDF: 54.4/24

Right Out: 1133.695+/-389.594 χ^2 /NDF: 37.1/38

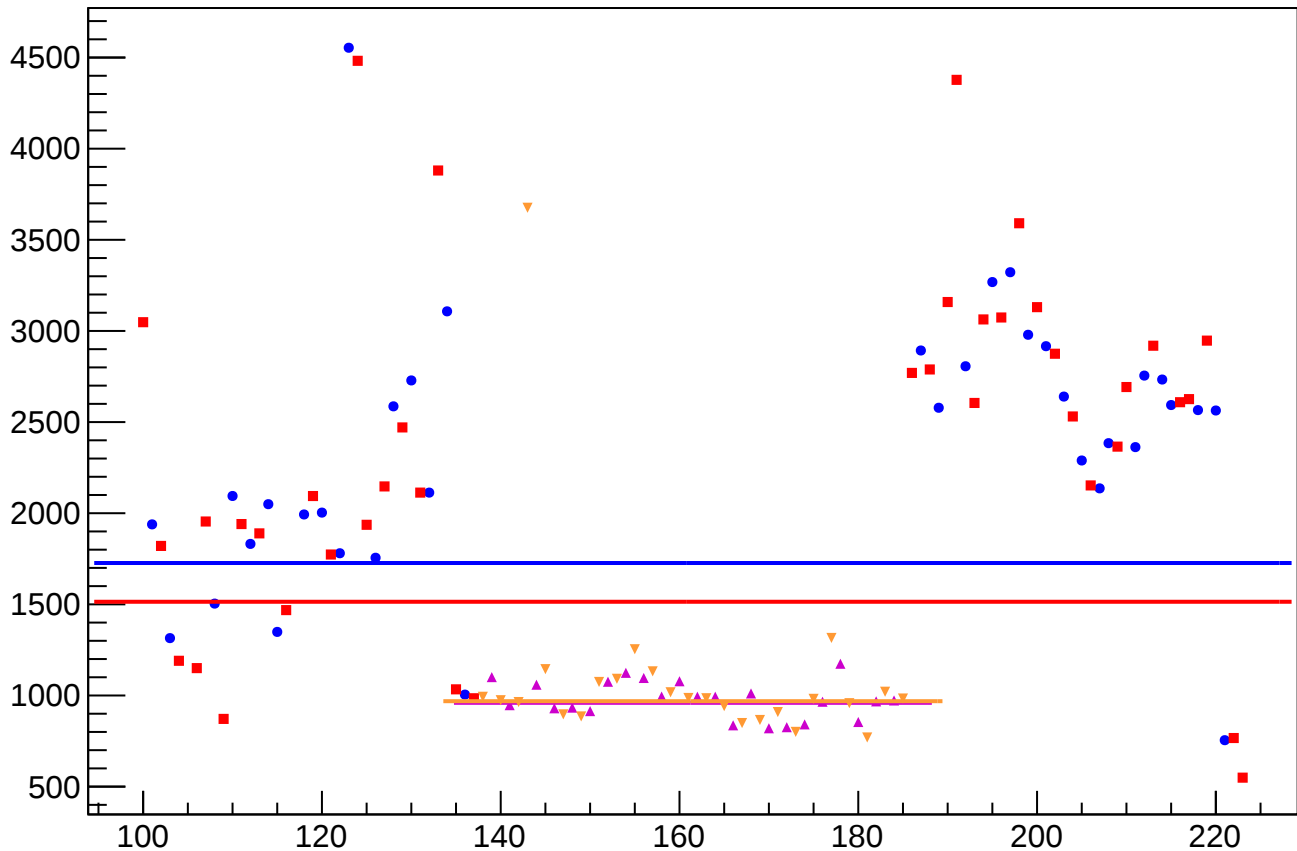
Left In: 298.801+/-231.400 χ^2 /NDF: 18.3/22

+ sign 1041.902+/-203.101 χ^2 /NDF: 103.0/59

All: 773.794+/-142.125 χ^2 /NDF: 165.3/121

- sign 516.525+/-198.952 χ^2 /NDF: 58.8/61

asym_at2_dd_correction_rms vs Slug



Right In: 1726.852 $\pm$ 0.304 χ^2/NDF : 6783675.5/34

Left Out: 968.712 $\pm$ 0.163 χ^2/NDF : 1393696.6/24

Right Out: 1514.243 $\pm$ 0.275 χ^2/NDF : 10117813.9/38

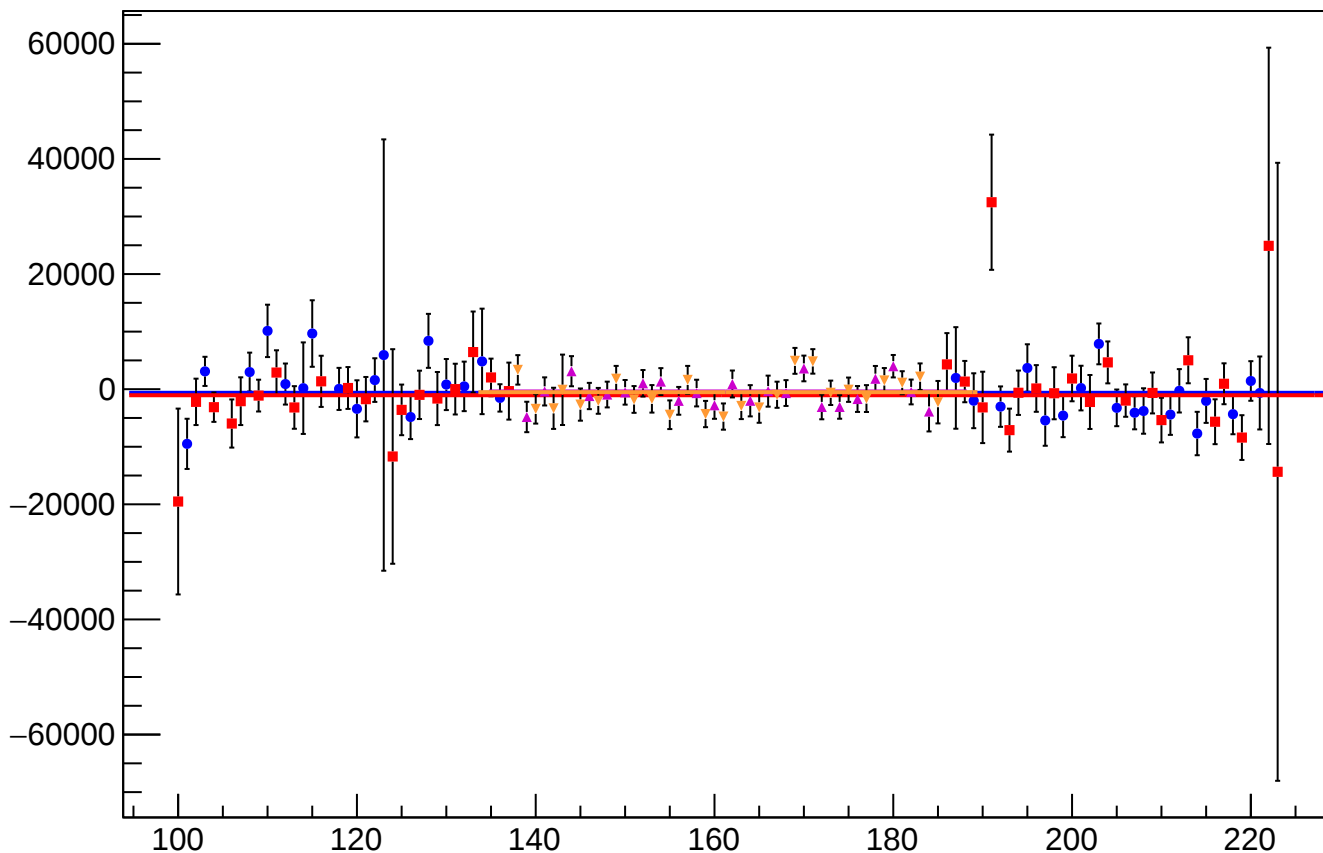
Left In: 959.805 $\pm$ 0.164 χ^2/NDF : 371210.5/22

+ sign 1138.060 $\pm$ 0.144 χ^2/NDF : 13011861.7/59

All: 1120.879 $\pm$ 0.100 χ^2/NDF : 26523176.6/61

- sign 1104.391 $\pm$ 0.141 χ^2/NDF : 13483266.6/61

asym_at2_dd_mean vs Slug



Right In: -628.829+/-660.475 χ^2/NDF : 41.6/34

Left Out: -517.719+/-481.486 χ^2/NDF : 34.0/24

Right Out: -1052.047+/-661.075 χ^2/NDF : 33.2/38

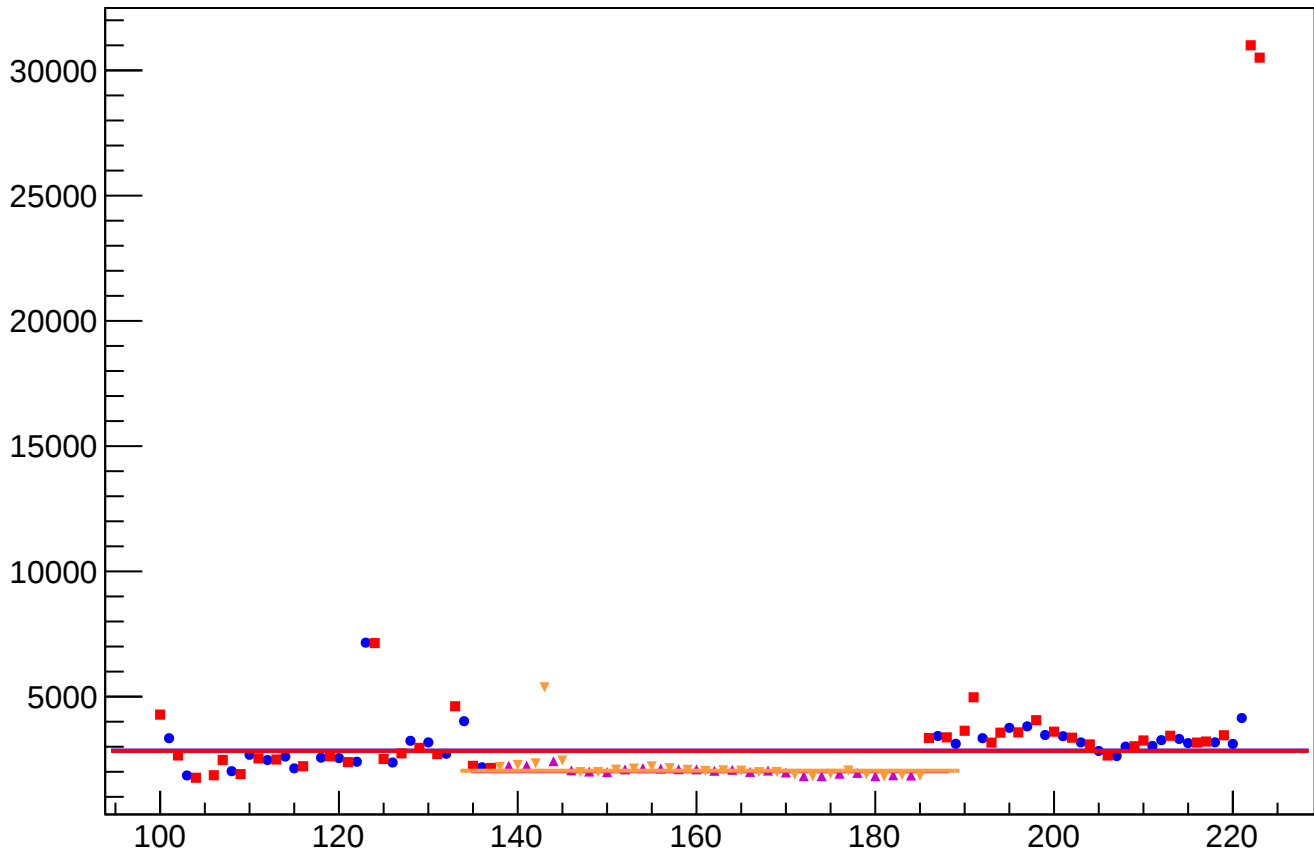
Left In: -397.398+/-485.048 χ^2/NDF : 21.8/22

+ sign -556.277+/-389.075 χ^2/NDF : 75.6/59

All: -591.206+/-275.821 χ^2/NDF : 131.3/121

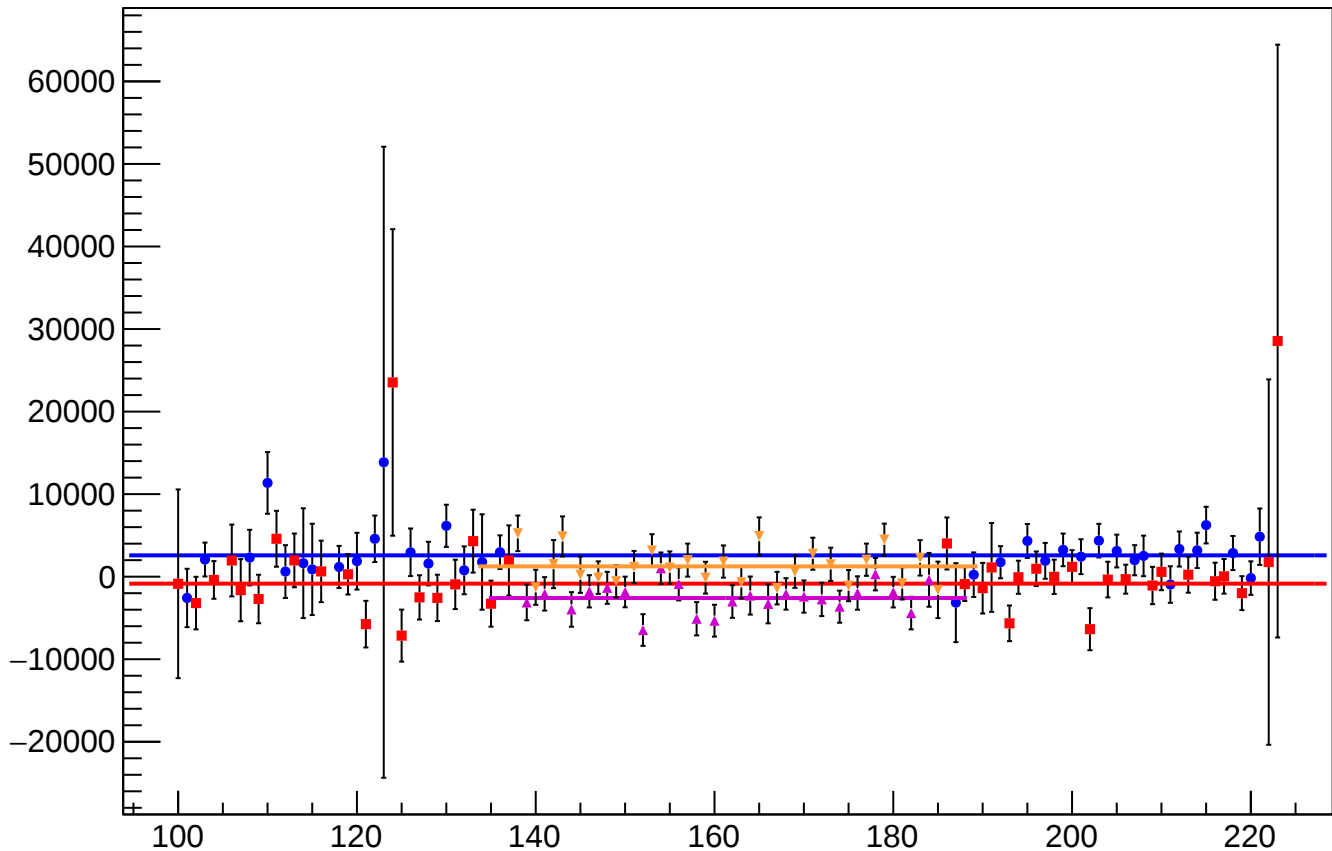
- sign -626.496+/-391.072 χ^2/NDF : 55.6/61

asym_at2_dd_rms vs Slug



Right In: 2846.991+/-0.467	χ^2/NDF : 1395761.2/34	+ sign 2323.126+/-0.275	χ^2/NDF : 4111356.8/59
Left Out: 2044.722+/-0.340	χ^2/NDF : 788703.5/24	All: 2314.375+/-0.195	χ^2/NDF : 10049204.8/1
Right Out: 2834.425+/-0.467	χ^2/NDF : 3792966.9/38	- sign 2305.534+/-0.277	χ^2/NDF : 5935814.1/61
Left In: 2020.802+/-0.343	χ^2/NDF : 173502.0/22		

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2583.172 $\pm$ 424.792 χ^2 /NDF: 23.7/34

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF:23.0/24

Right Out: -844.122 $\pm$ 428.992 χ^2 /NDF: 33.9/38

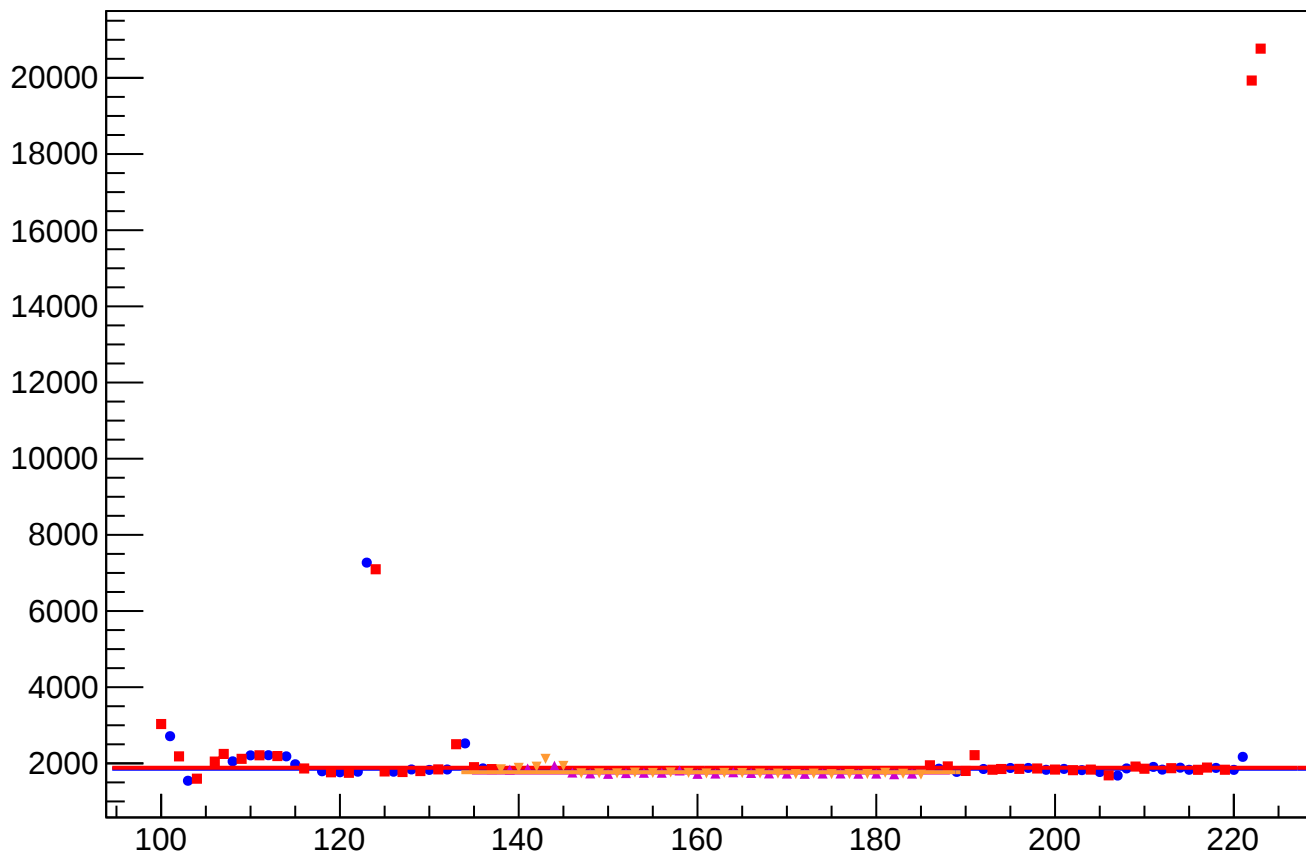
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1896.952 $\pm$ 295.927 χ^2 /NDF: 51.8/59

All: 111.846 $\pm$ 210.906 χ^2 /NDF: 185.6/121

- sign -1730.859 $\pm$ 300.663 χ^2 /NDF: 59.8/61

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1857.893+/-0.300 χ^2/NDF : 337302.6/34

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1884.558+/-0.303 χ^2/NDF : 2295438.8/38

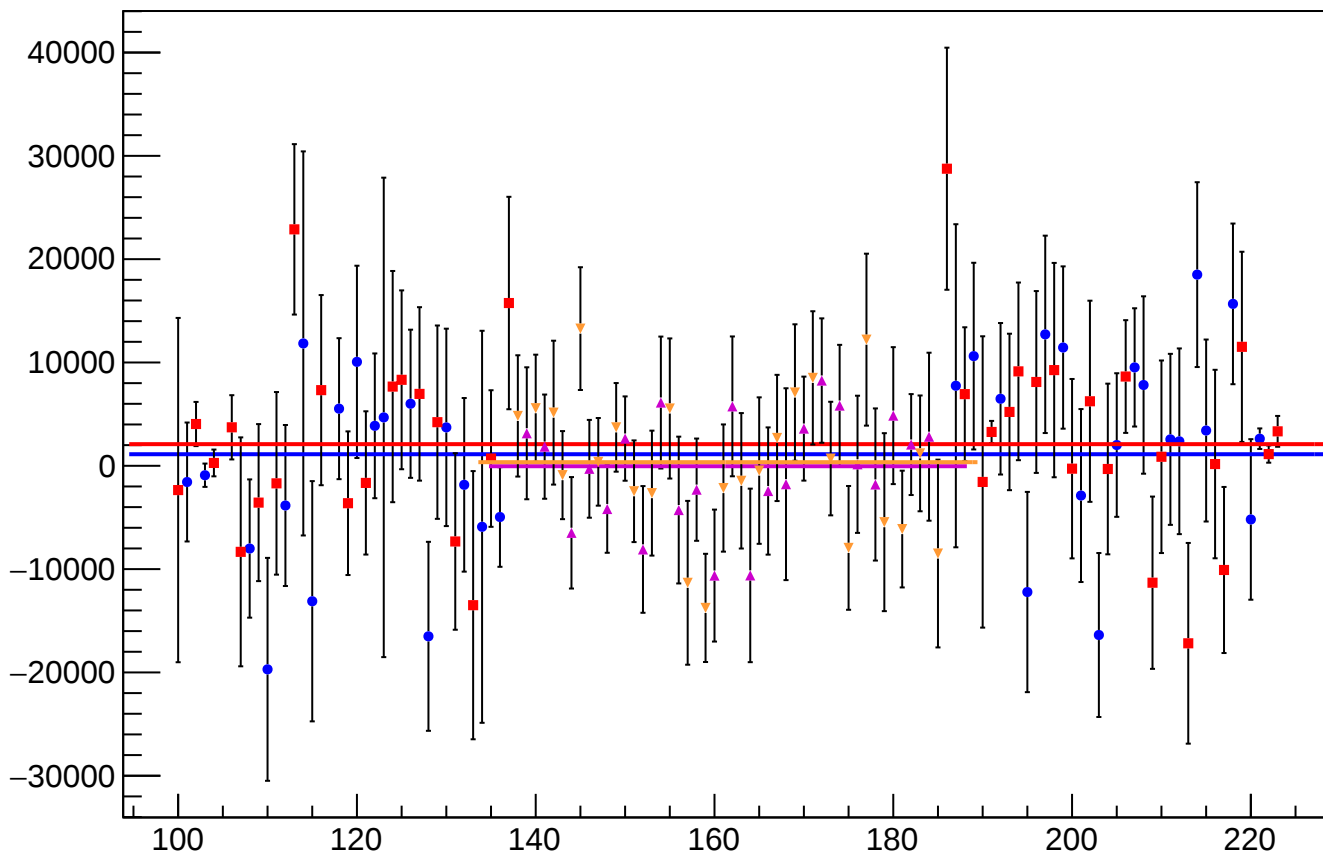
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1811.377+/-0.209 χ^2/NDF : 461572.2/59

All: 1815.738+/-0.149 χ^2/NDF : 2876203.5/12

- sign 1820.238+/-0.213 χ^2/NDF : 2413748.8/61

asym_atl1r2_avg_correction_mean vs Slug



Right In: 1120.422 $\pm$ 660.239 χ^2 /NDF: 44.0/34

Left Out: 351.227 $\pm$ 1170.051 χ^2 /NDF: 27.8/24

Right Out: 2095.182 $\pm$ 491.988 χ^2 /NDF: 40.6/38

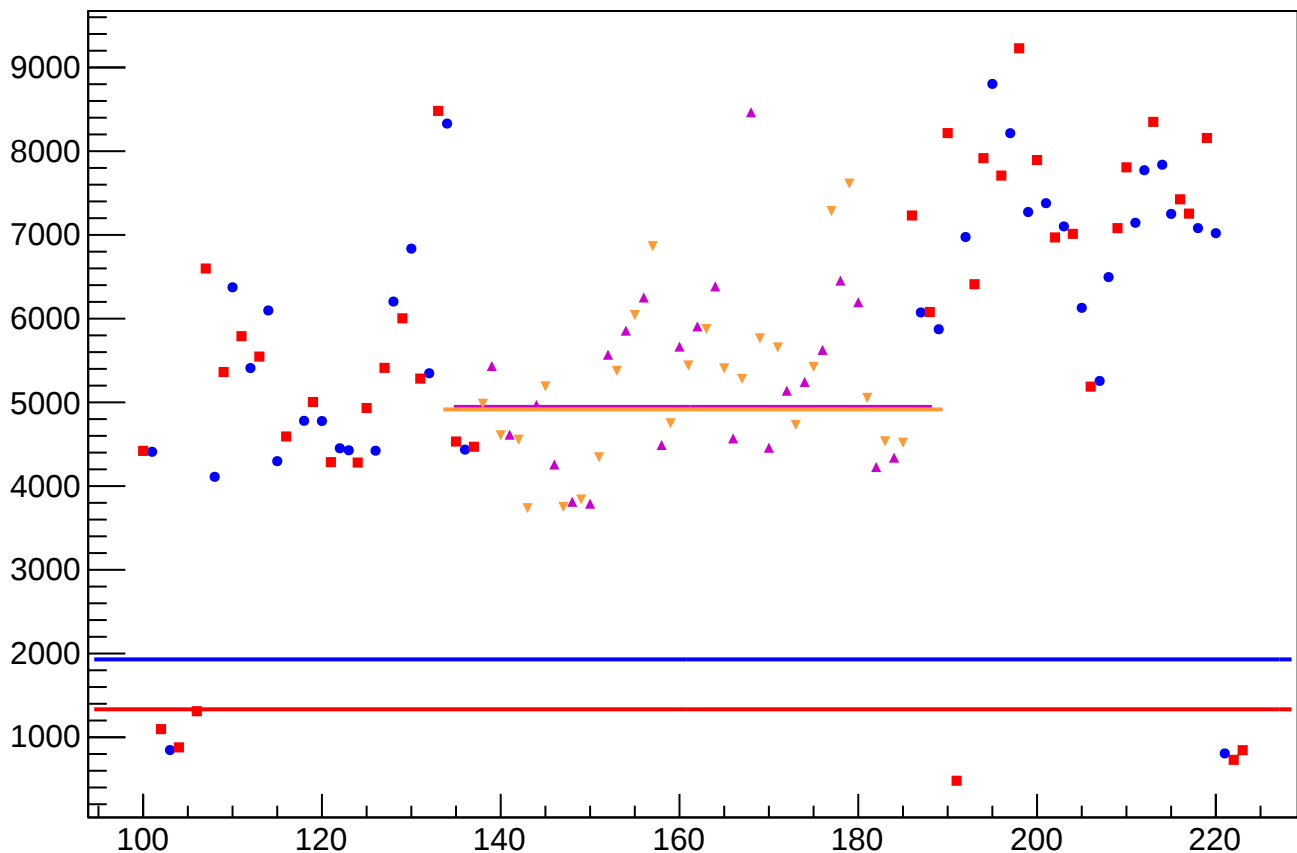
Left In: -40.618 $\pm$ 1207.491 χ^2 /NDF: 16.0/22

+ sign 934.651 $\pm$ 575.010 χ^2 /NDF: 72.2/59

All: 1460.771 $\pm$ 357.105 χ^2 /NDF: 132.8/121

- sign 1791.095 $\pm$ 455.620 χ^2 /NDF: 59.3/61

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1929.999+/-0.467 χ^2/NDF : 21930263.4/34

Left Out: 4915.865+/-0.827 χ^2/NDF : 1186479.7/24

Right Out: 1333.913+/-0.348 χ^2/NDF : 25365103.6/38

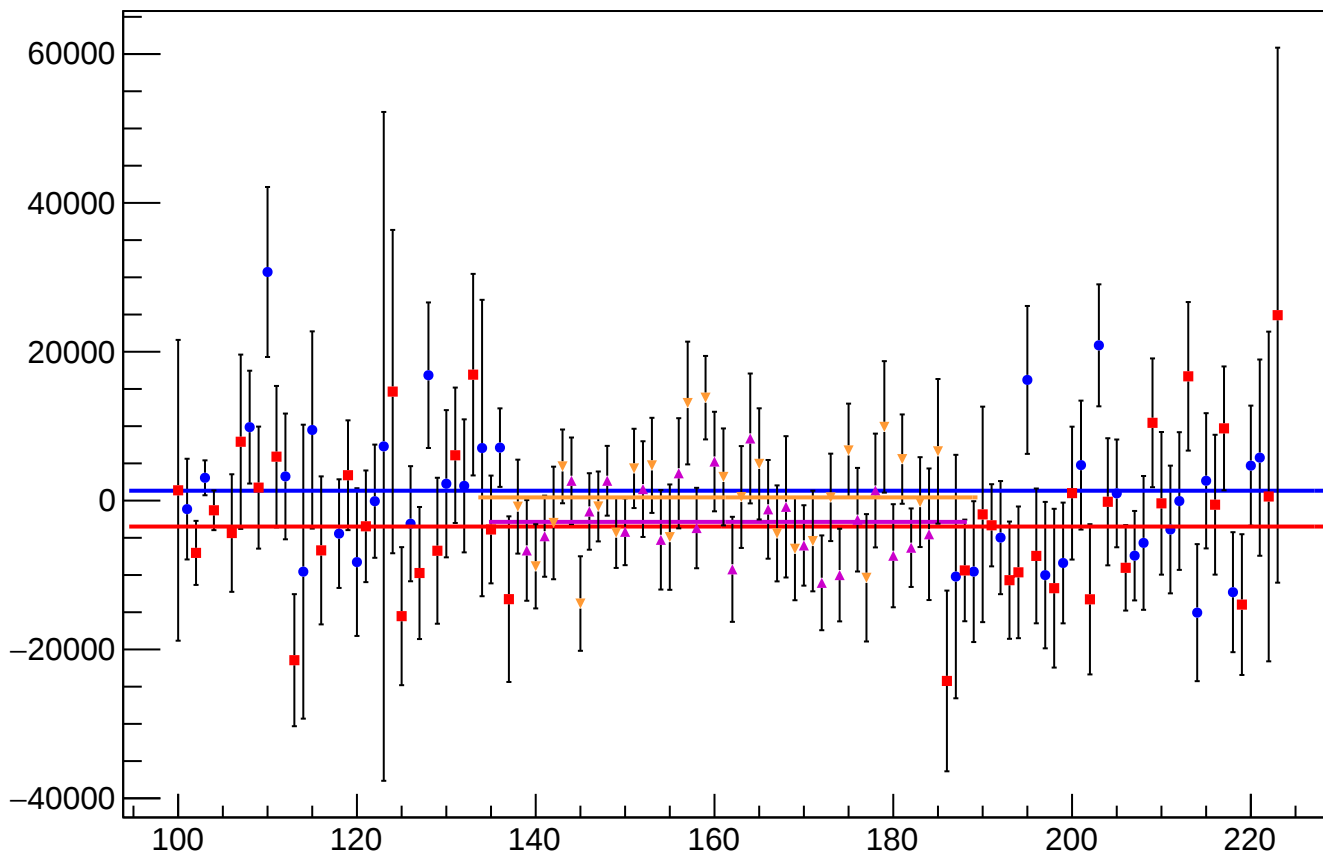
Left In: 4945.817+/-0.854 χ^2/NDF : 1188288.6/22

+ sign 2651.124+/-0.407 χ^2/NDF : 32995653.6/59

All: 2157.859+/-0.253 χ^2/NDF : 77292131.2/100

- sign 1848.163+/-0.322 χ^2/NDF : 41900657.9/61

asym_atl1r2_avg_mean vs Slug



Right In: 1327.504+/-1262.848 χ^2/NDF : 37.9/34

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: -3487.139+/-1247.220 χ^2/NDF : 35.3/38

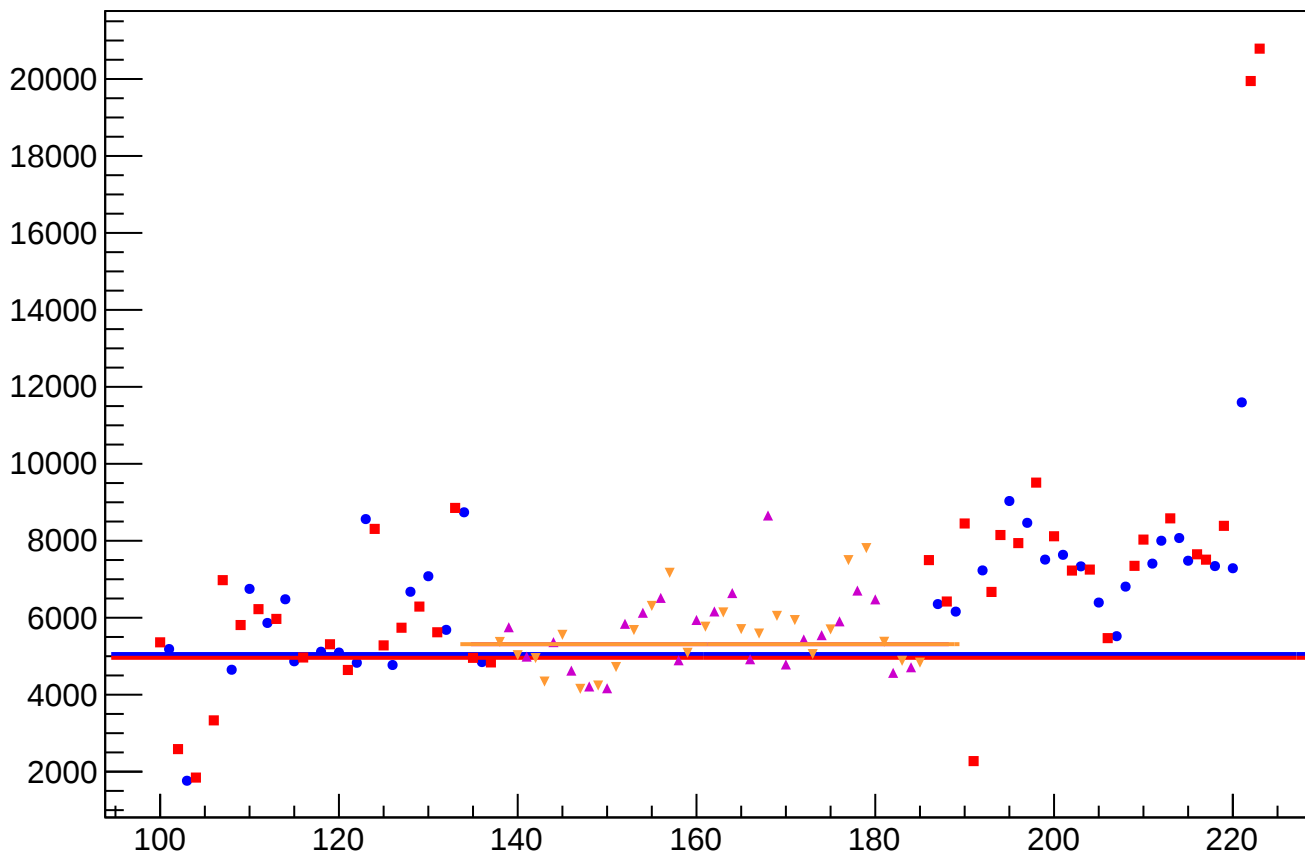
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 877.555+/-891.347 χ^2/NDF : 65.2/59

All: -1139.796+/-632.421 χ^2/NDF : 123.9/121

- sign -3184.827+/-897.441 χ^2/NDF : 48.3/61

asym_atl1r2_avg_rms vs Slug



Right In: 5056.435+/-0.893 χ^2 /NDF: 7209156.5/34

Left Out: 5313.008+/-0.890 χ^2 /NDF:894369.8/24

Right Out: 4958.640+/-0.878 χ^2 /NDF: 8628080.0/38

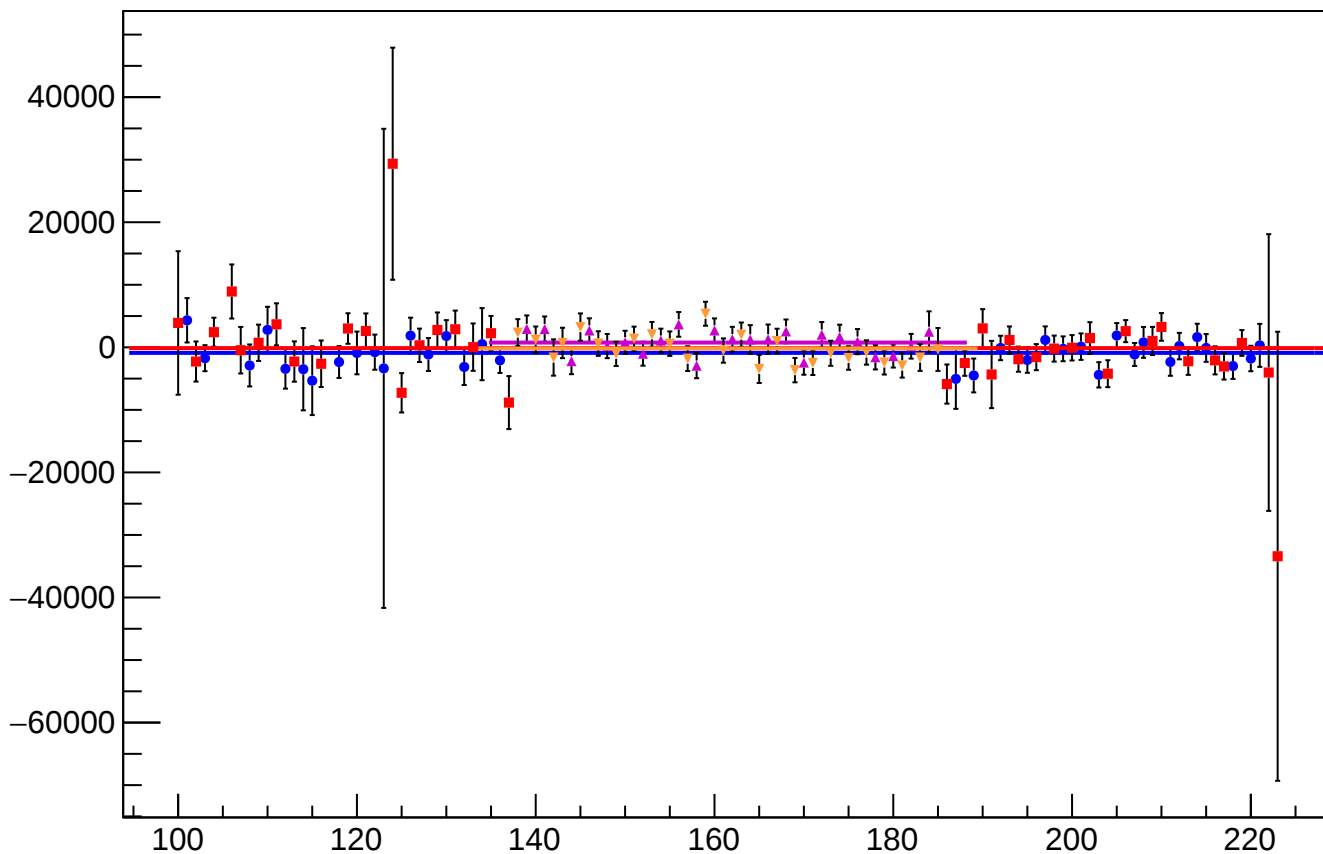
Left In: 5312.861+/-0.914 χ^2 /NDF:957400.7/22

+ sign 5185.187+/-0.630 χ^2 /NDF: 8144954.1/59

All: 5157.101+/-0.447 χ^2 /NDF: 17812523.7/100

- sign 5128.748+/-0.633 χ^2 /NDF: 9663579.2/61

reg_asym_atl1r2_dd_mean vs Slug



Right In: -887.208 ± 424.551 χ^2/NDF : 21.8/34

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -124.960 ± 428.630 χ^2/NDF : 47.5/38

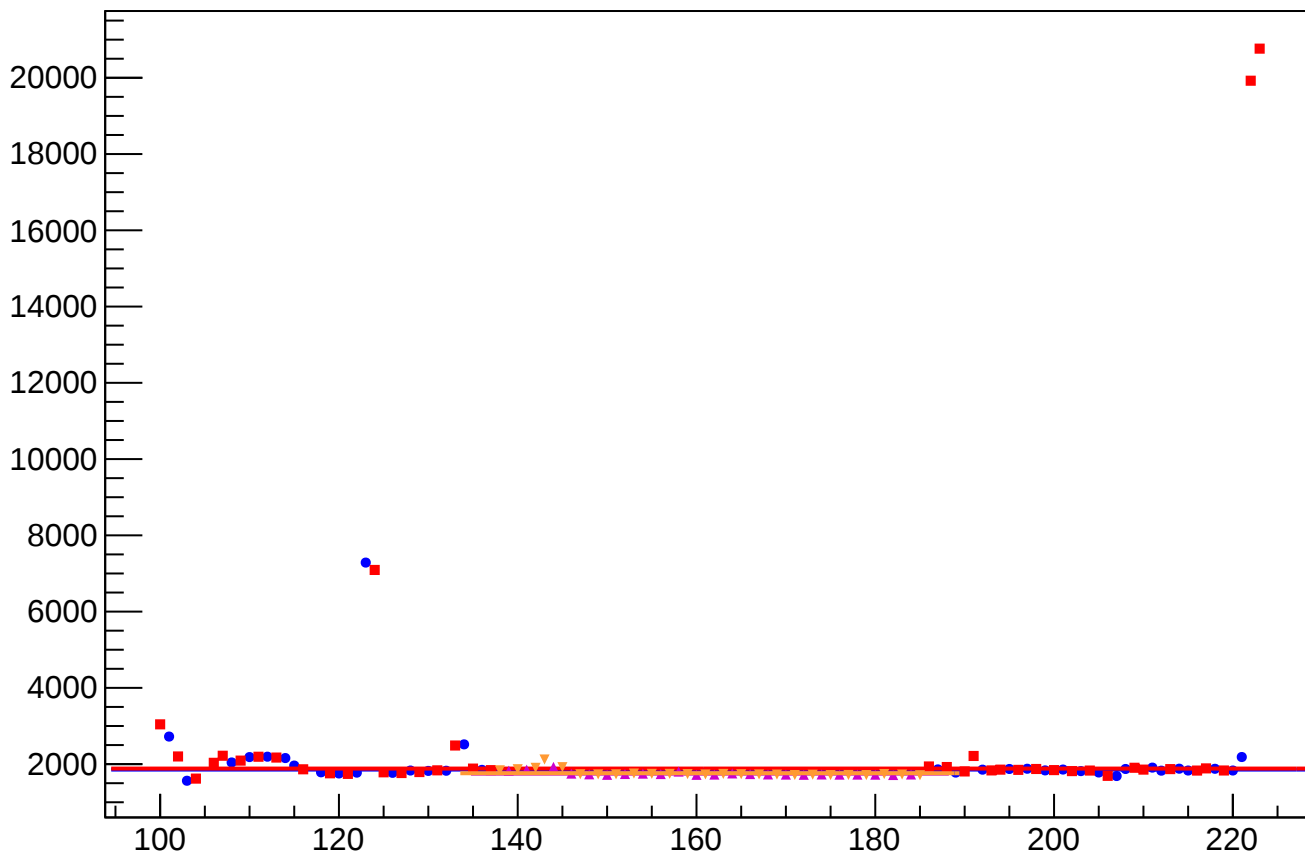
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -522.010 ± 295.287 χ^2/NDF : 52.5/59

All: -104.413 ± 210.430 χ^2/NDF : 126.5/121

- sign 326.493 ± 299.955 χ^2/NDF : 70.0/61

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1857.184 $\pm$ 0.300 χ^2 /NDF: 326185.8/34

Left Out: 1761.091 $\pm$ 0.291 χ^2 /NDF: 77468.5/24

Right Out: 1883.517 $\pm$ 0.303 χ^2 /NDF: 2280480.2/38

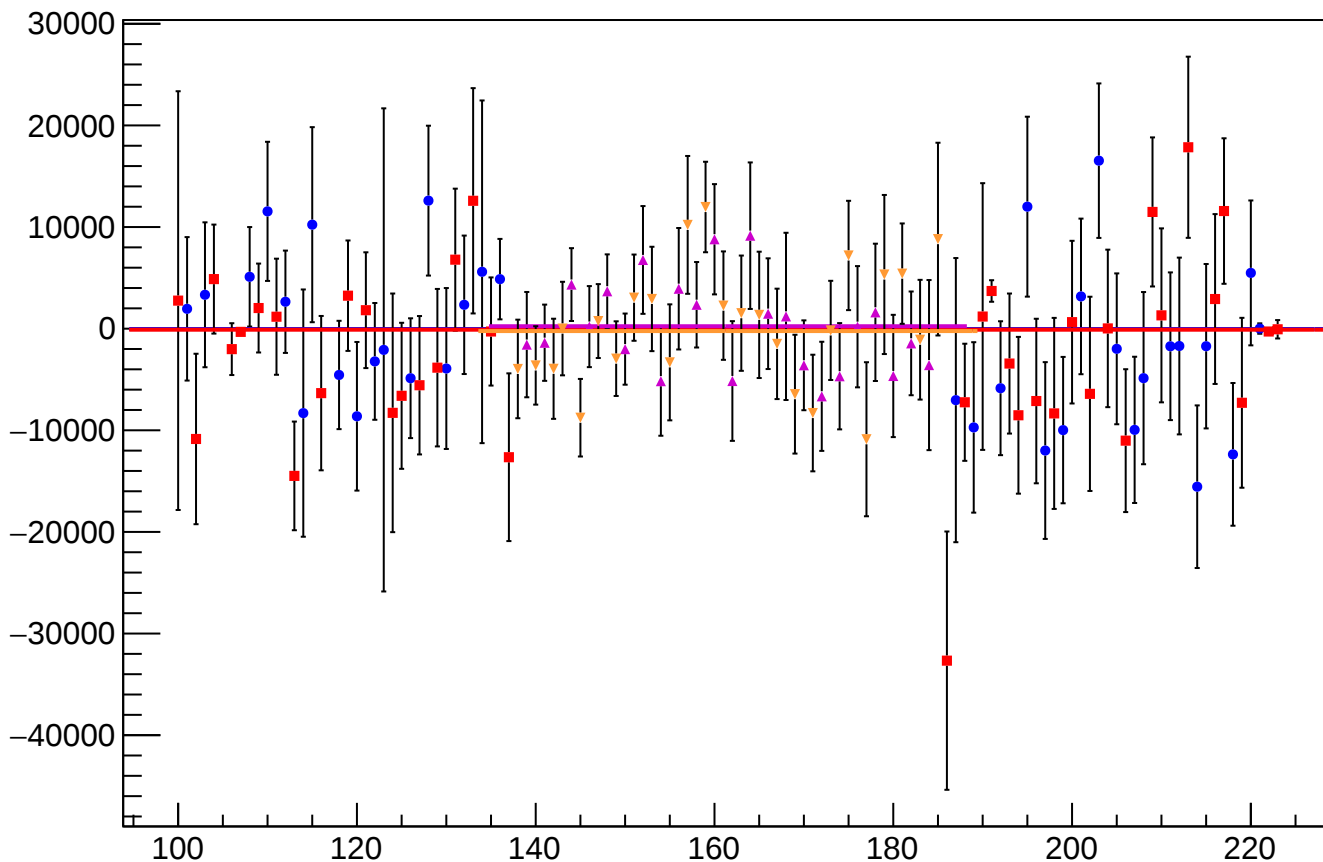
Left In: 1751.418 $\pm$ 0.297 χ^2 /NDF: 28578.7/22

+ sign 1807.576 $\pm$ 0.209 χ^2 /NDF: 456548.3/59

All: 1811.794 $\pm$ 0.149 χ^2 /NDF: 2863422.2/12

- sign 1816.144 $\pm$ 0.212 χ^2 /NDF: 2406045.0/61

asym_atl1r2_dd_correction_mean vs Slug



Right In: -38.184 ± 472.025 χ^2/NDF : 37.0/34

Left Out: -235.806 ± 1005.144 χ^2/NDF : 28.9/24

Right Out: -99.454 ± 269.947 χ^2/NDF : 55.9/38

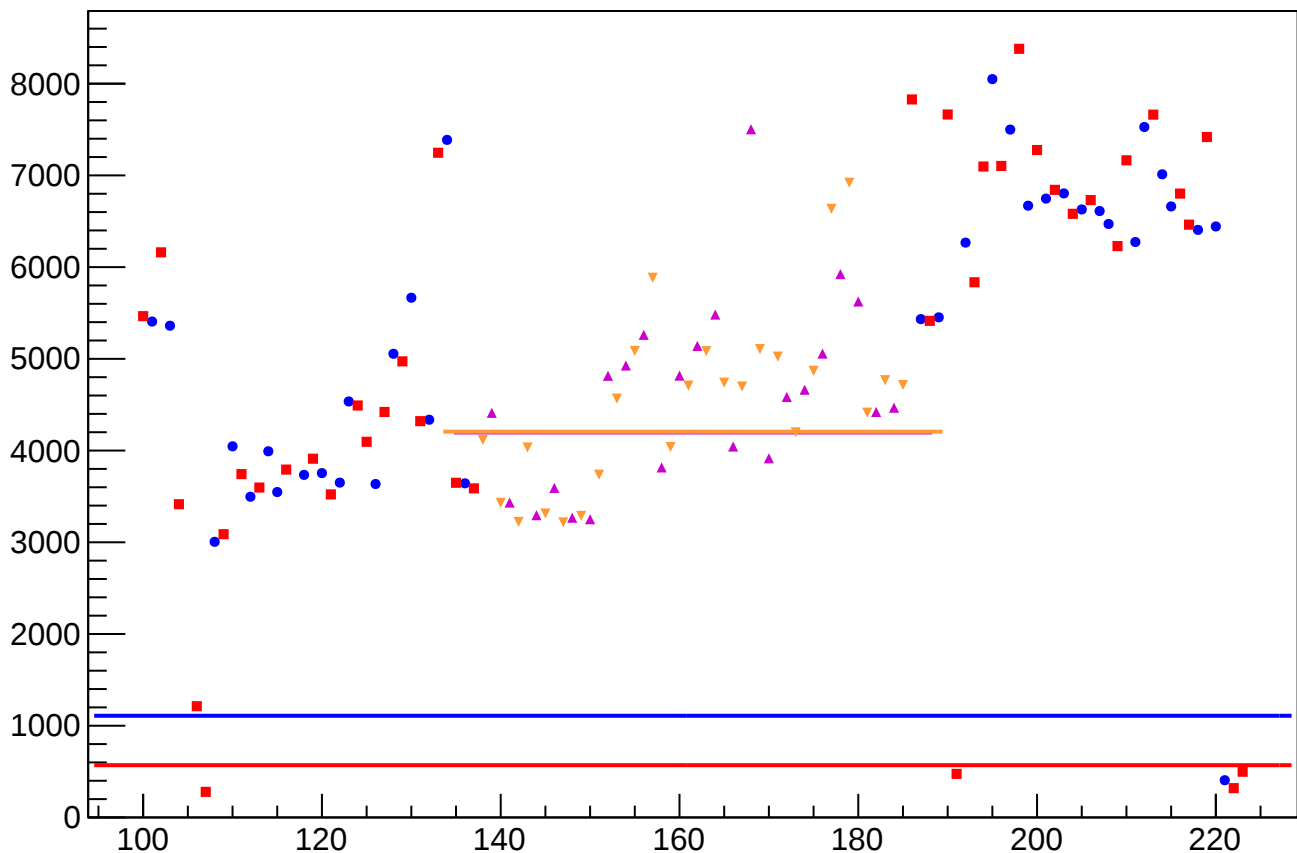
Left In: 239.224 ± 1028.883 χ^2/NDF : 15.3/22

+ sign -73.892 ± 427.258 χ^2/NDF : 65.9/59

All: -76.622 ± 222.799 χ^2/NDF : 137.3/121

- sign -77.642 ± 261.110 χ^2/NDF : 71.3/61

asym_atl1r2_dd_correction_rms vs Slug



Right In: 1108.702 ± 0.334 $\chi^2/\text{NDF}: 28038805.1/34$

Left Out: 4206.076 ± 0.711 $\chi^2/\text{NDF}: 1442269.3/24$

Right Out: 569.796 ± 0.191 $\chi^2/\text{NDF}: 31460659.0/38$

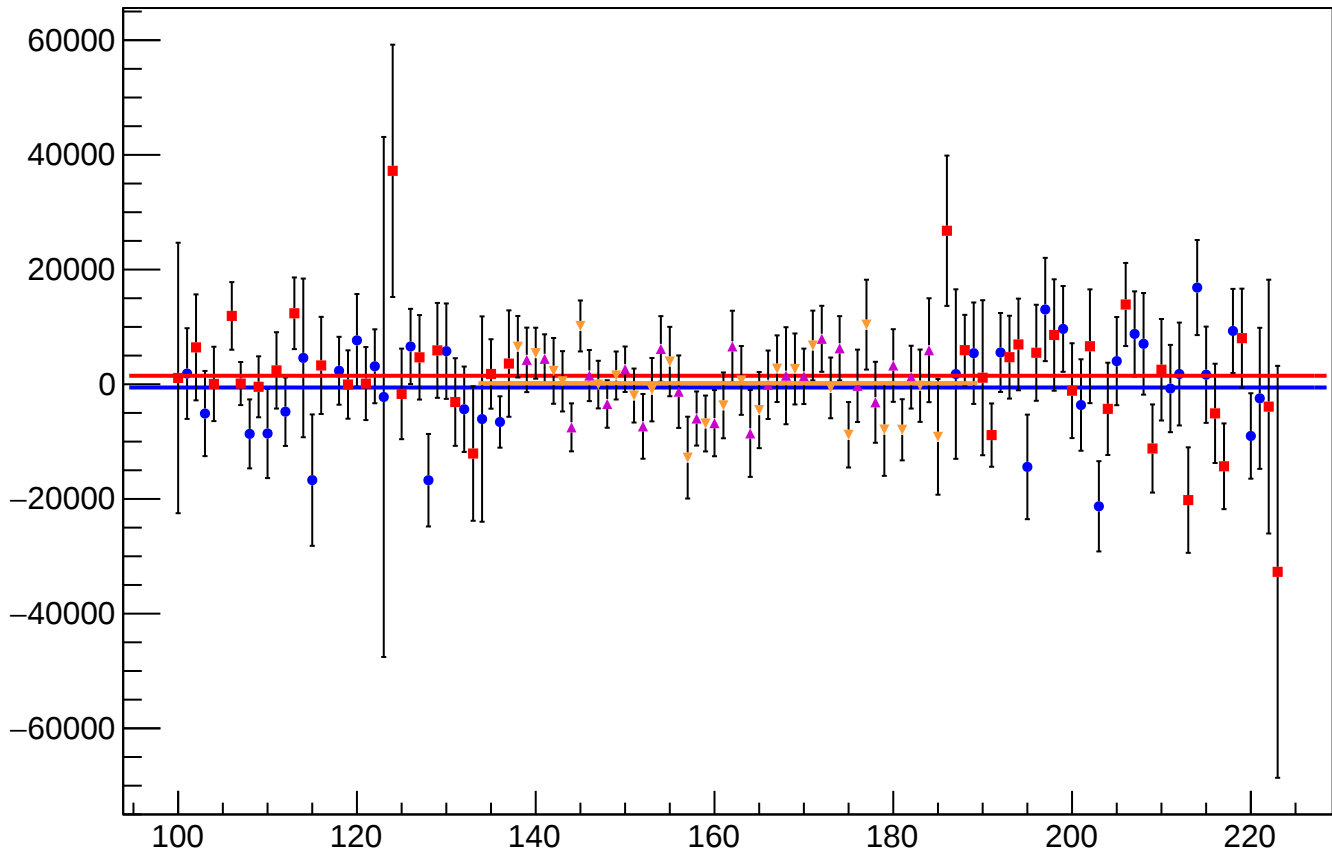
Left In: 4197.267 ± 0.728 $\chi^2/\text{NDF}: 1471012.9/22$

+ sign 1668.354 ± 0.302 $\chi^2/\text{NDF}: 45041142.3/59$

All: 1038.615 ± 0.158 $\chi^2/\text{NDF}: 107199468.6$

- sign 803.421 ± 0.185 $\chi^2/\text{NDF}: 56190828.2/61$

asym_atl1r2_dd_mean vs Slug



Right In: -566.245+/-1320.302 χ^2/NDF : 40.7/34

Left Out: 189.721+/-1106.851 χ^2/NDF : 25.0/24

Right Out: 1480.838+/-1212.655 χ^2/NDF : 39.9/38

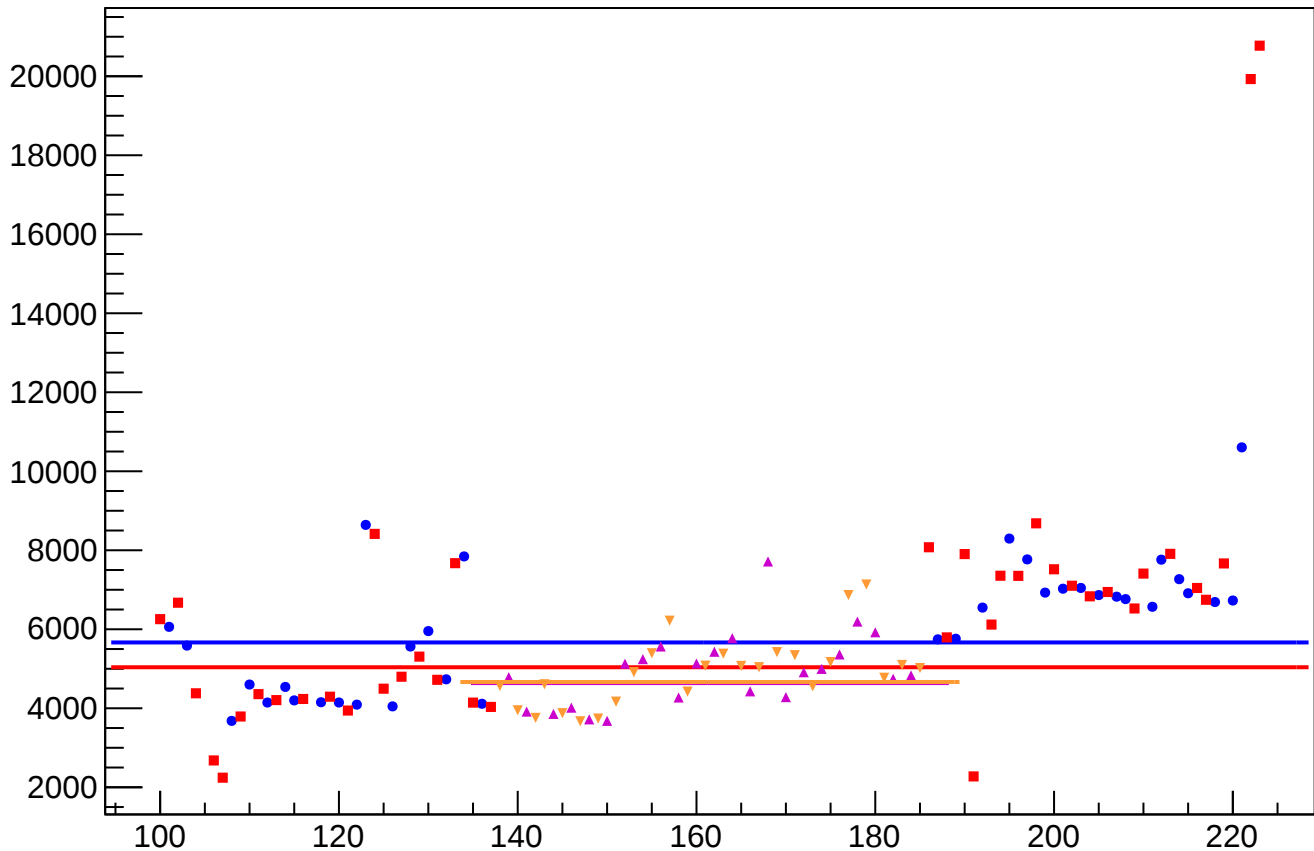
Left In: 137.477+/-1129.656 χ^2/NDF : 18.6/22

+ sign -122.291+/-848.218 χ^2/NDF : 65.9/59

All: 331.084+/-591.980 χ^2/NDF : 125.5/121

- sign 761.616+/-826.573 χ^2/NDF : 59.1/61

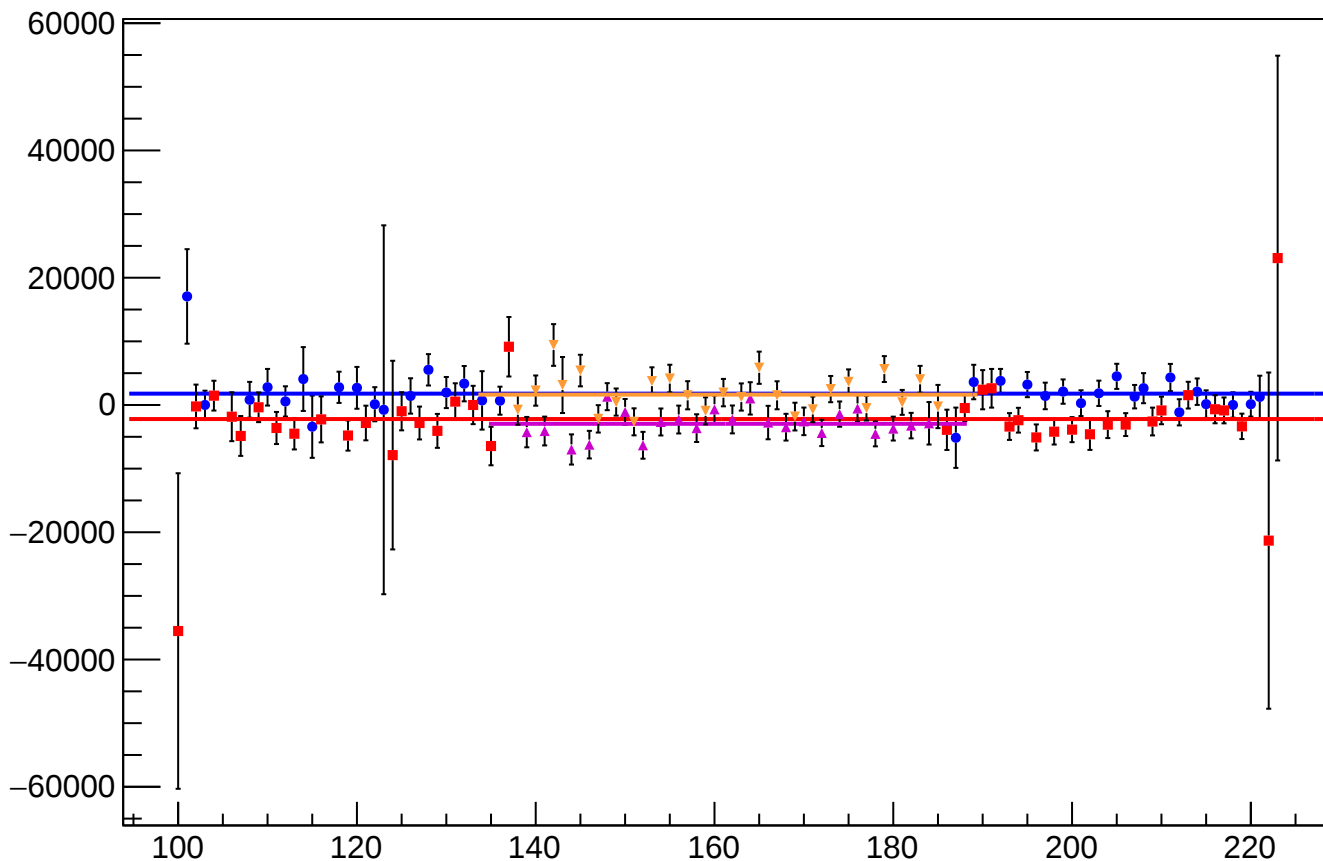
asym_atl1r2_dd_rms vs Slug



Right In: 5666.442 ± 0.934 χ^2/NDF : 2462467.4/34
 Left Out: 4665.620 ± 0.783 χ^2/NDF : 1017235.0/24
 Right Out: 5038.556 ± 0.854 χ^2/NDF : 6060652.3/38
 Left In: 4637.777 ± 0.799 χ^2/NDF : 1065217.2/22

+ sign 5078.691 ± 0.600 χ^2/NDF : 4154593.6/59
 All: 4948.211 ± 0.418 χ^2/NDF : 11490009.8/61
 - sign 4824.743 ± 0.583 χ^2/NDF : 7243306.1/61

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1782.103 ± 411.147 $\chi^2/\text{NDF}: 22.8/34$

Left Out: 1630.035 ± 447.063 $\chi^2/\text{NDF}: 35.4/24$

Right Out: -2209.281 ± 409.553 $\chi^2/\text{NDF}: 35.7/38$

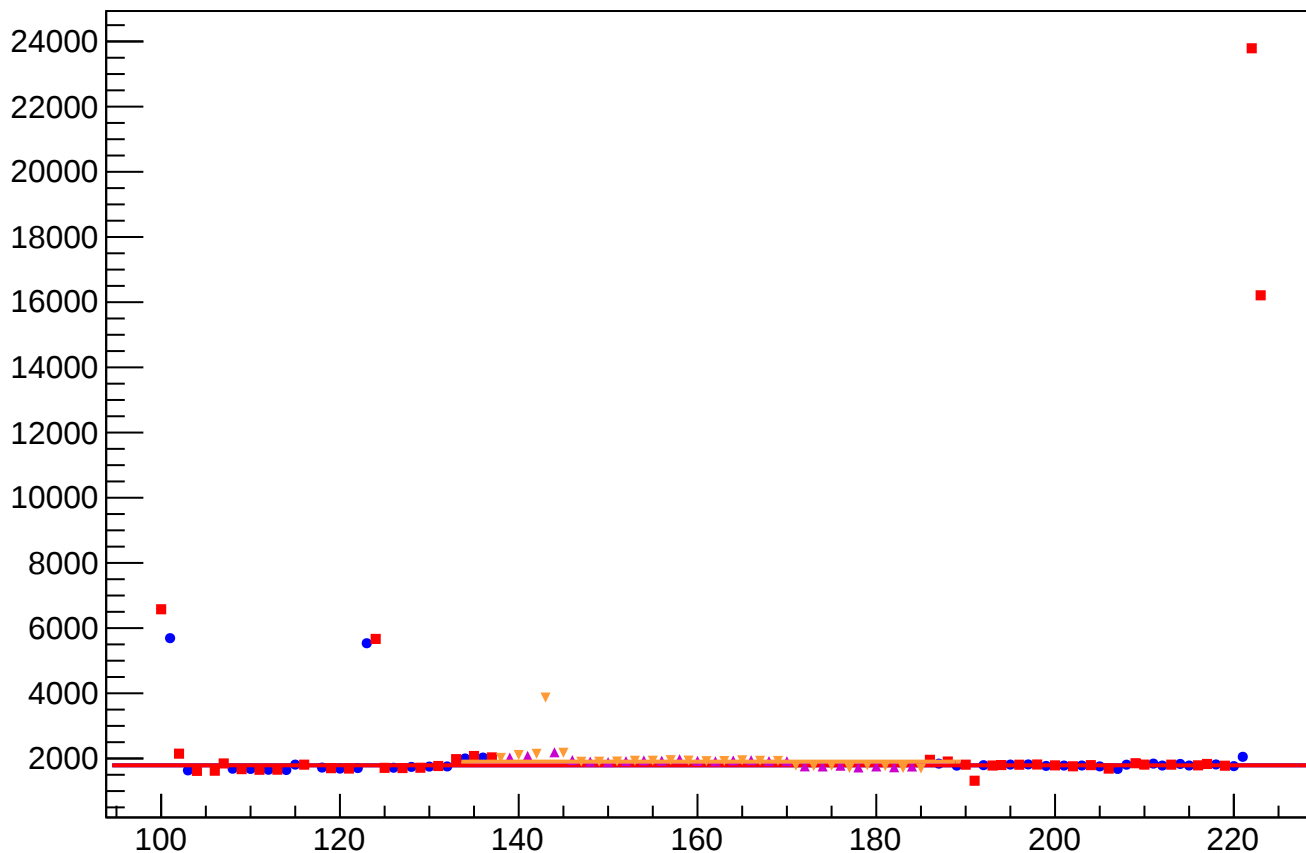
Left In: -2958.620 ± 453.688 $\chi^2/\text{NDF}: 20.4/22$

+ sign 1712.422 ± 302.627 $\chi^2/\text{NDF}: 58.3/59$

All: -406.971 ± 214.476 $\chi^2/\text{NDF}: 214.5/121$

- sign -2545.738 ± 304.007 $\chi^2/\text{NDF}: 57.6/61$

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1789.753+/-0.291 χ^2/NDF : 668829.2/34

Left Out: 1903.618+/-0.316 χ^2/NDF : 541575.7/24

Right Out: 1789.993+/-0.289 χ^2/NDF : 2177271.5/38

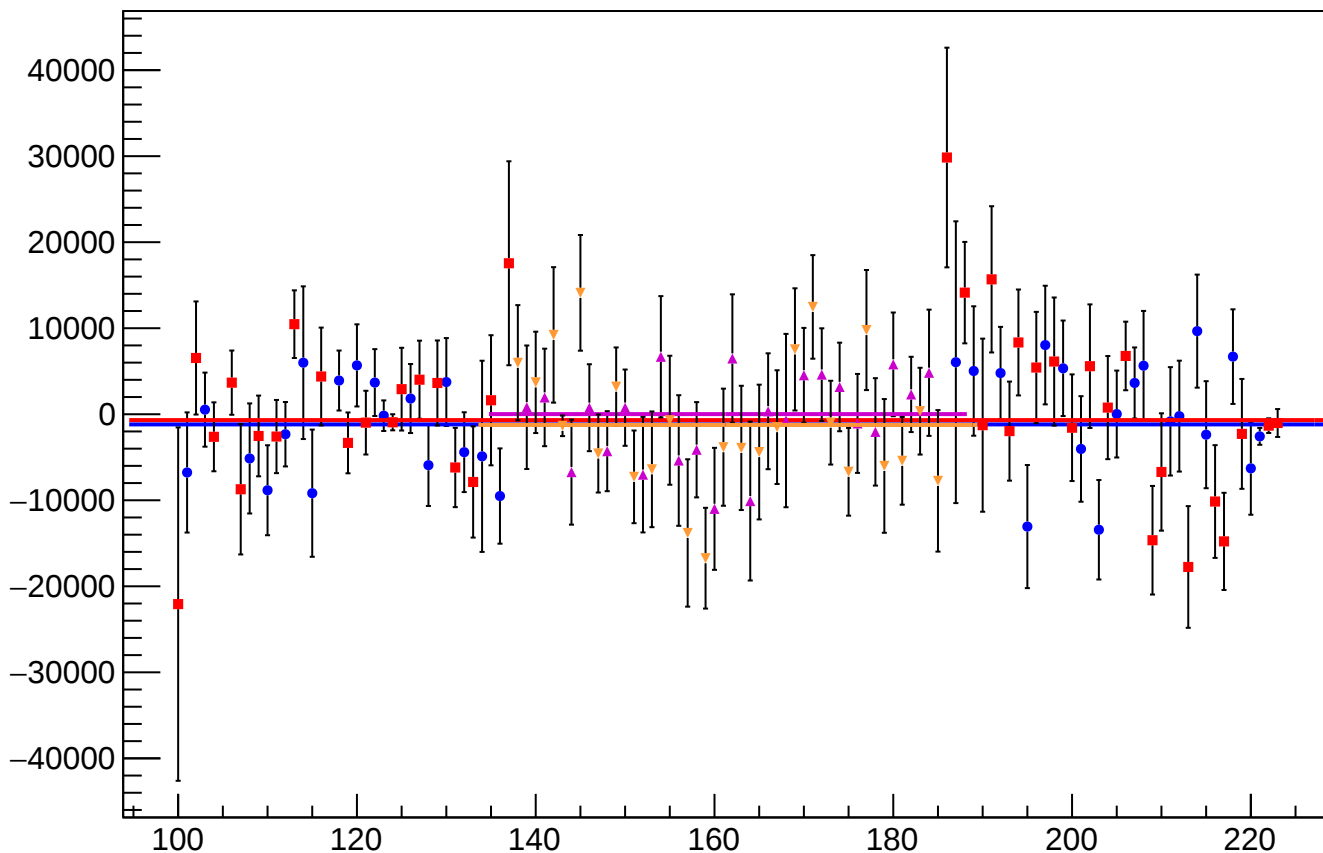
Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

+ sign 1841.928+/-0.214 χ^2/NDF : 1280695.7/59

All: 1838.123+/-0.152 χ^2/NDF : 3637537.8/12

- sign 1834.294+/-0.215 χ^2/NDF : 2356207.7/61

asym_atr1l2_avg_correction_mean vs Slug



Right In: -1181.758 ± 632.837 χ^2/NDF : 39.7/34

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: -680.187 ± 494.186 χ^2/NDF : 66.9/38

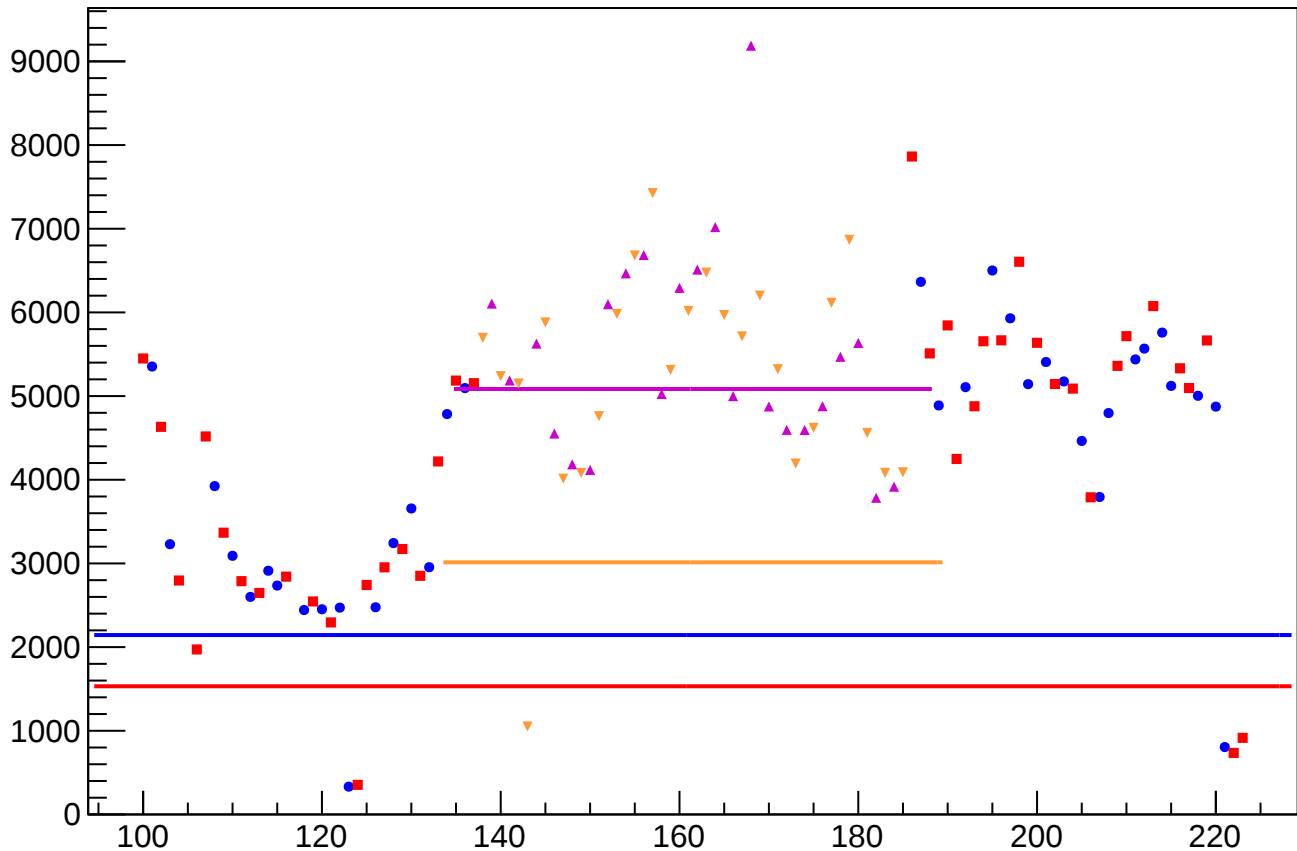
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -1201.999 ± 510.786 χ^2/NDF : 73.7/59

All: -860.929 ± 341.505 χ^2/NDF : 154.8/121

- sign -585.225 ± 459.239 χ^2/NDF : 80.4/61

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2144.263+/-0.447 χ^2/NDF : 16092778.0/34

Left Out: 3013.268+/-0.612 χ^2/NDF : 12270753.9/24

Right Out: 1531.958+/-0.349 χ^2/NDF : 21615326.5/38

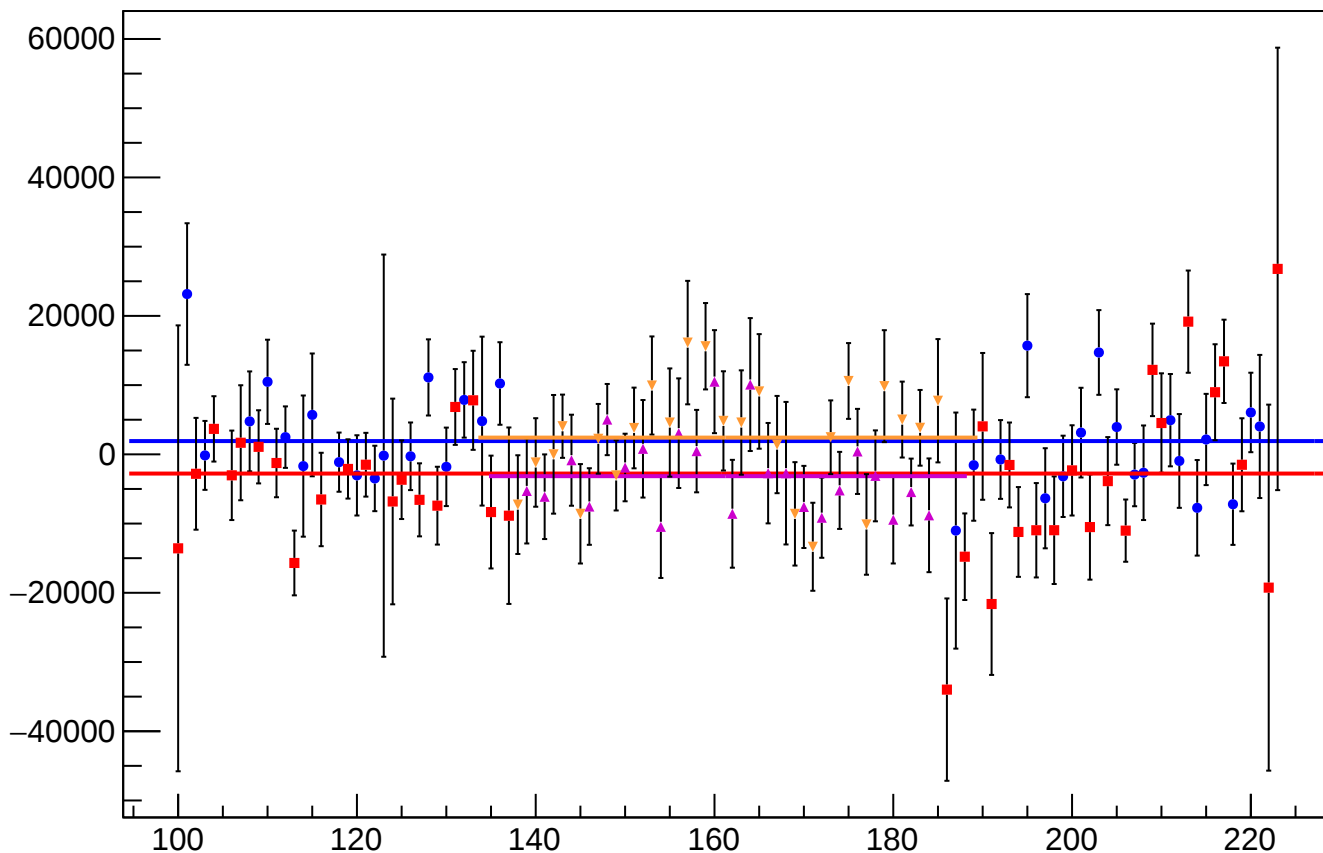
Left In: 5084.645+/-0.879 χ^2/NDF : 1303587.7/22

+ sign 2447.139+/-0.361 χ^2/NDF : 29677949.4/59

All: 2209.085+/-0.241 χ^2/NDF : 67484315.4/1

- sign 2016.654+/-0.325 χ^2/NDF : 37020793.6/61

asym_atr1l2_avg_mean vs Slug



Right In: 1916.223+/-1053.669 χ^2/NDF : 34.0/34

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -2775.676+/-1048.677 χ^2/NDF : 66.3/38

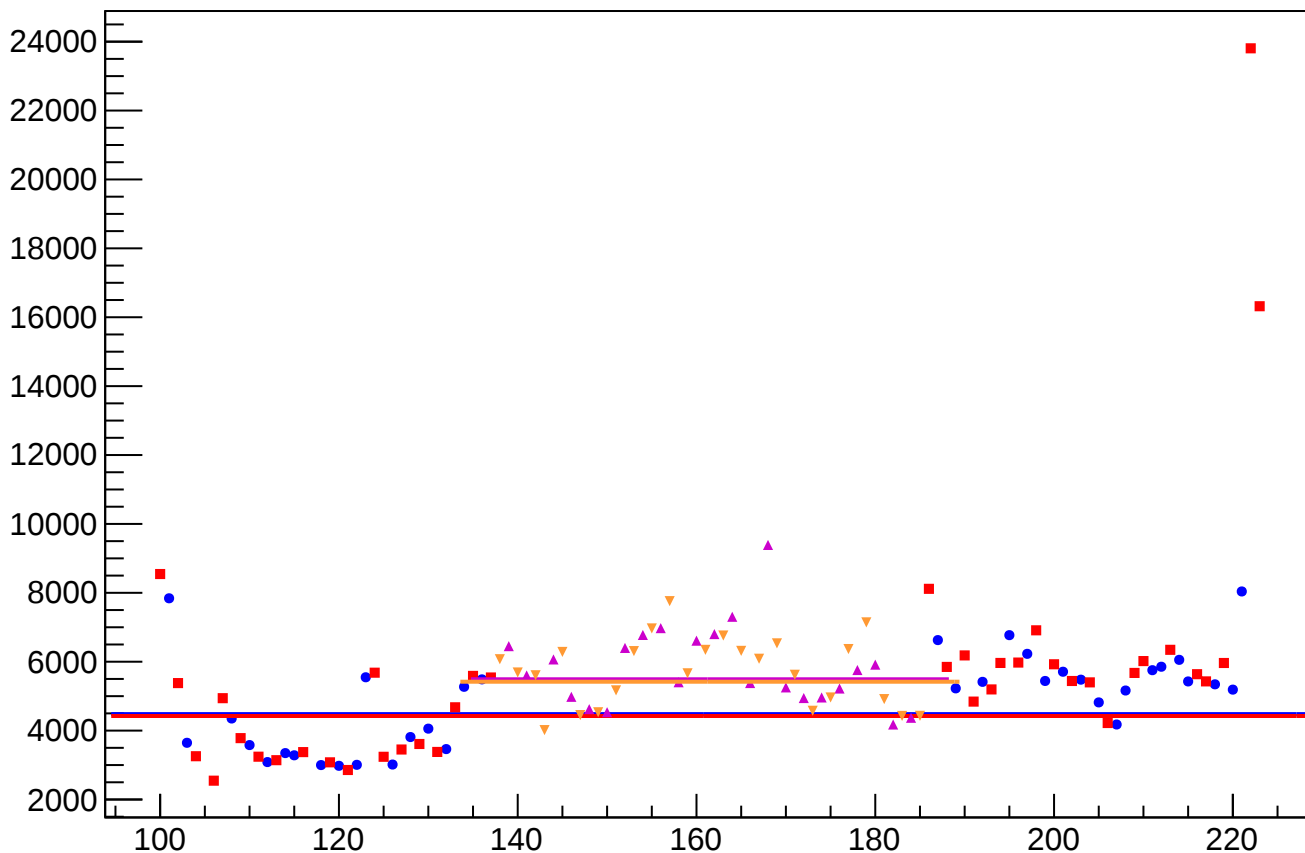
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2117.364+/-815.155 χ^2/NDF : 64.0/59

All: -370.144+/-579.931 χ^2/NDF : 164.7/121

- sign -2919.513+/-825.229 χ^2/NDF : 81.9/61

asym_atr1l2_avg_rms vs Slug



Right In: 4478.778+/-0.745 χ^2/NDF : 2737506.4/34

Left Out: 5419.305+/-0.910 χ^2/NDF : 1109972.1/24

Right Out: 4424.273+/-0.736 χ^2/NDF : 4422421.5/38

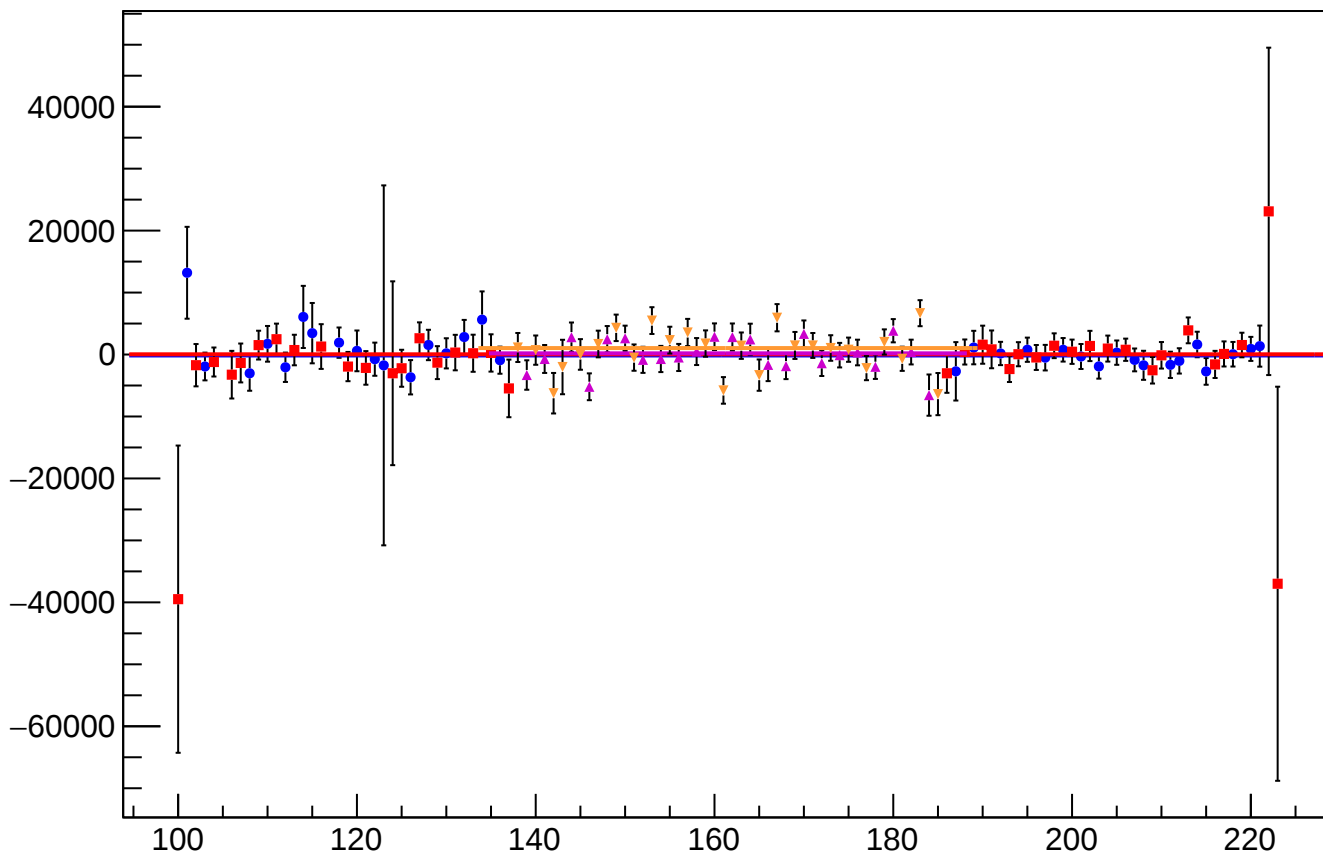
Left In: 5489.885+/-0.946 χ^2/NDF : 1064353.3/22

+ sign 4856.387+/-0.576 χ^2/NDF : 4487271.0/59

All: 4841.264+/-0.409 χ^2/NDF : 10766594.7/100

- sign 4825.921+/-0.581 χ^2/NDF : 6277936.9/61

reg_asym_atr1l2_dd_mean vs Slug



Right In: -151.595 ± 408.939 χ^2/NDF : 19.8/34

Left Out: 1041.262 ± 446.249 χ^2/NDF : 48.6/24

Right Out: 34.815 ± 407.329 χ^2/NDF : 22.2/38

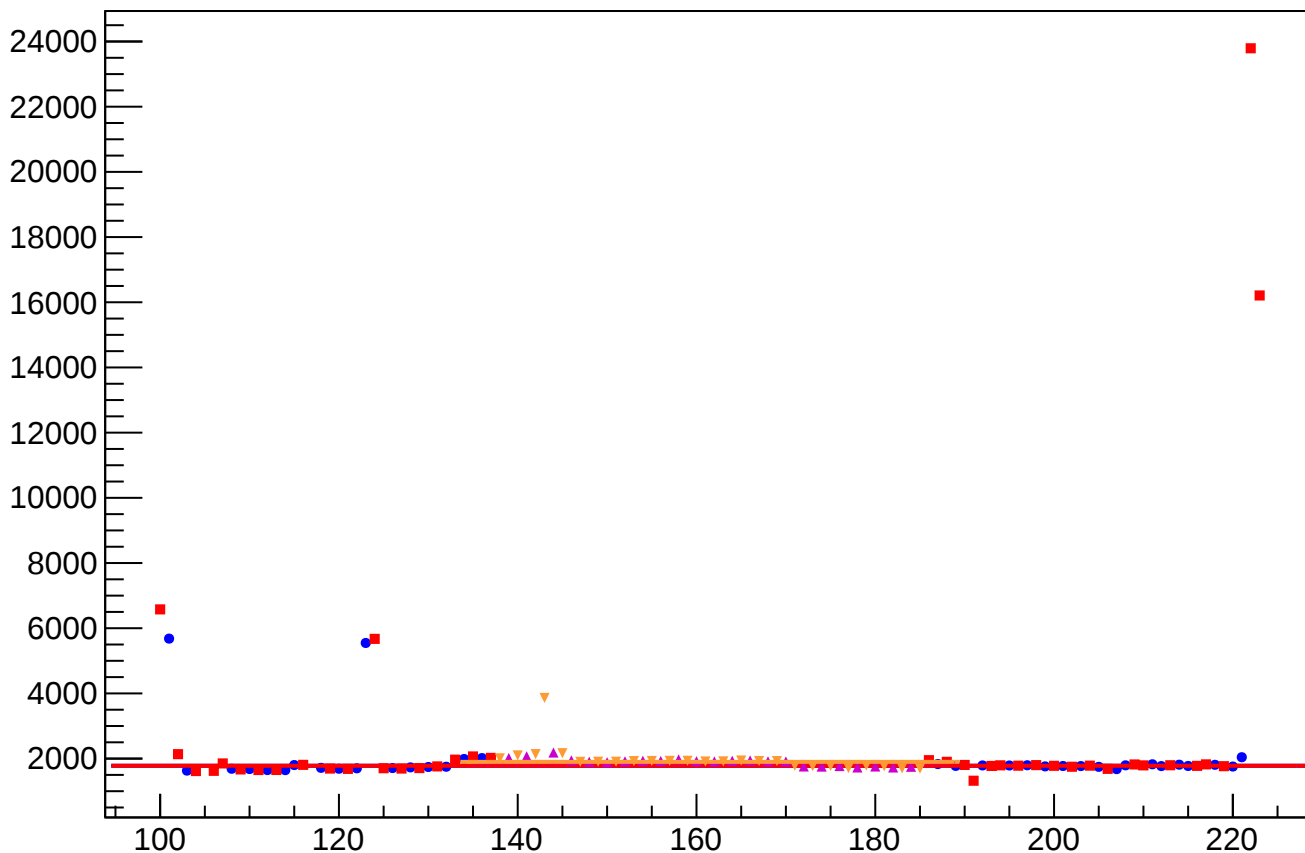
Left In: 191.966 ± 453.055 χ^2/NDF : 30.0/22

+ sign 392.890 ± 301.492 χ^2/NDF : 72.2/59

All: 249.649 ± 213.685 χ^2/NDF : 124.9/121

- sign 105.062 ± 302.905 χ^2/NDF : 52.3/61

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1780.252 ± 0.289 χ^2/NDF : 665251.8/34

Left Out: 1900.295 ± 0.316 χ^2/NDF : 537892.5/24

Right Out: 1780.480 ± 0.287 χ^2/NDF : 2173531.0/38

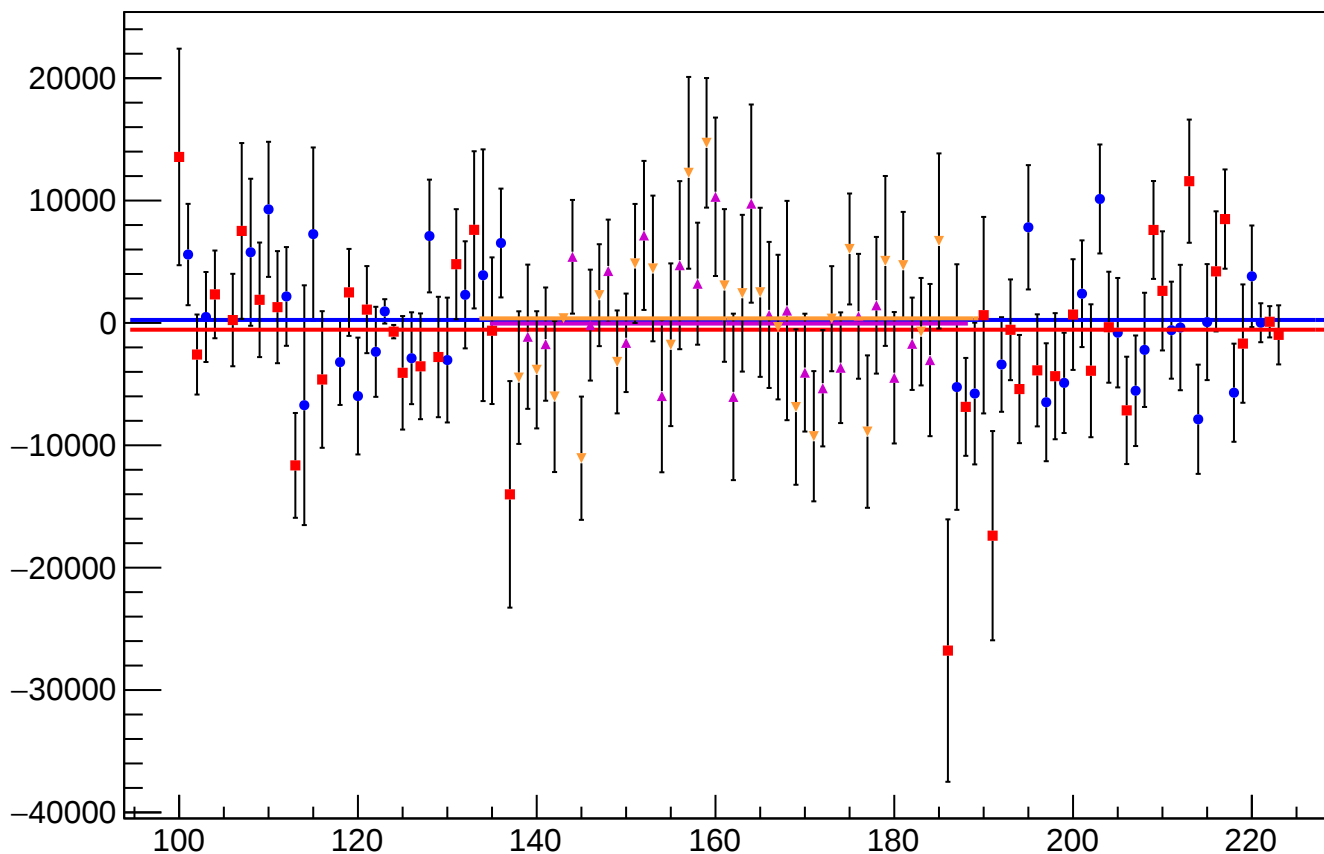
Left In: 1886.378 ± 0.320 χ^2/NDF : 123520.6/22

+ sign 1835.046 ± 0.213 χ^2/NDF : 1281809.7/59

All: 1831.380 ± 0.151 χ^2/NDF : 3640012.3/12

- sign 1827.689 ± 0.214 χ^2/NDF : 2357609.1/61

asym_atr1l2_dd_correction_mean vs Slug



Right In: 243.487 ± 580.302 χ^2/NDF : 37.7/34

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -554.020 ± 417.160 χ^2/NDF : 54.0/38

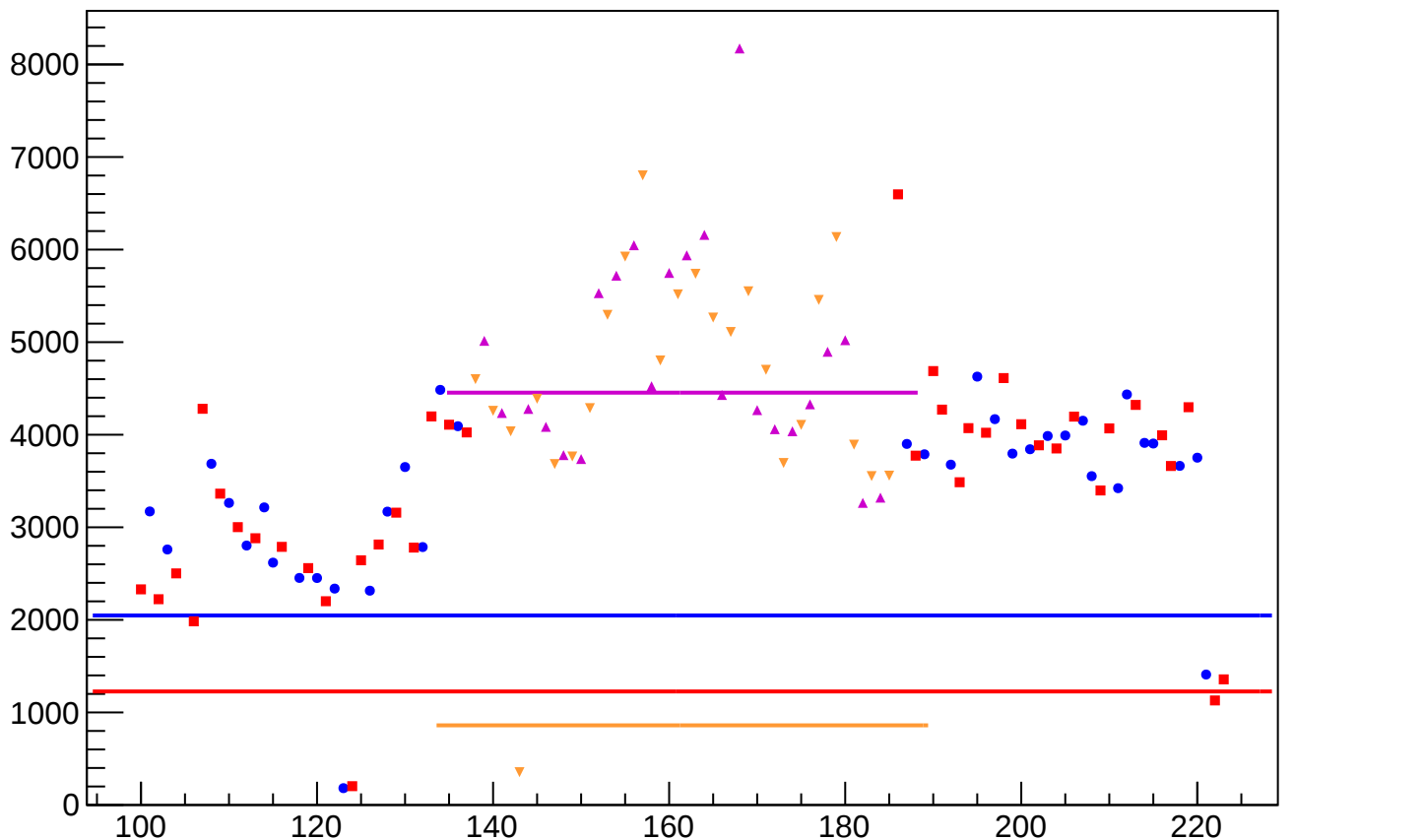
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 334.028 ± 319.115 χ^2/NDF : 68.6/59

All: 3.157 ± 246.871 χ^2/NDF : 140.0/121

- sign -490.012 ± 389.596 χ^2/NDF : 68.7/61

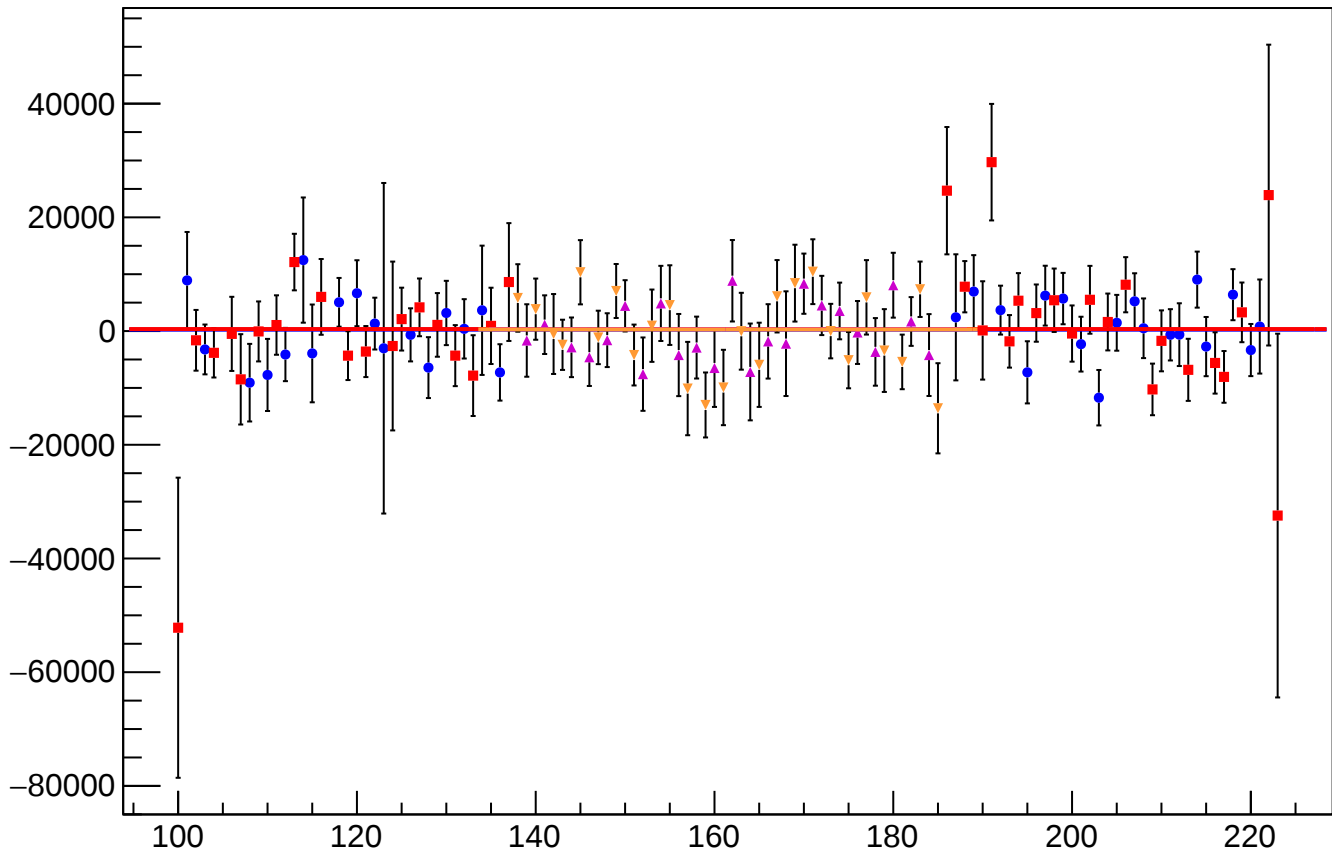
asym_atr1l2_dd_correction_rms vs Slug



Right In: 2047.439 $\pm$ 0.410 χ^2 /NDF: 14501788.7/34
 Left Out: 860.545 $\pm$ 0.270 χ^2 /NDF: 26340106.5/24
 Right Out: 1226.531 $\pm$ 0.295 χ^2 /NDF: 23628182.7/38
 Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF: 1349758.1/22

+ sign 1219.465 $\pm$ 0.226 χ^2 /NDF: 46678366.6/59
 All: 1387.915 $\pm$ 0.175 χ^2 /NDF: 88345388.5/100
 - sign 1638.992 $\pm$ 0.275 χ^2 /NDF: 40279094.6/61

asym_atr1l2_dd_mean vs Slug



Right In: 247.275 $\pm$ 916.283 χ^2 /NDF: 34.1/34

Left Out: 288.508 $\pm$ 1155.419 χ^2 /NDF:32.4/24

Right Out: 351.961 $\pm$ 915.422 χ^2 /NDF: 53.7/38

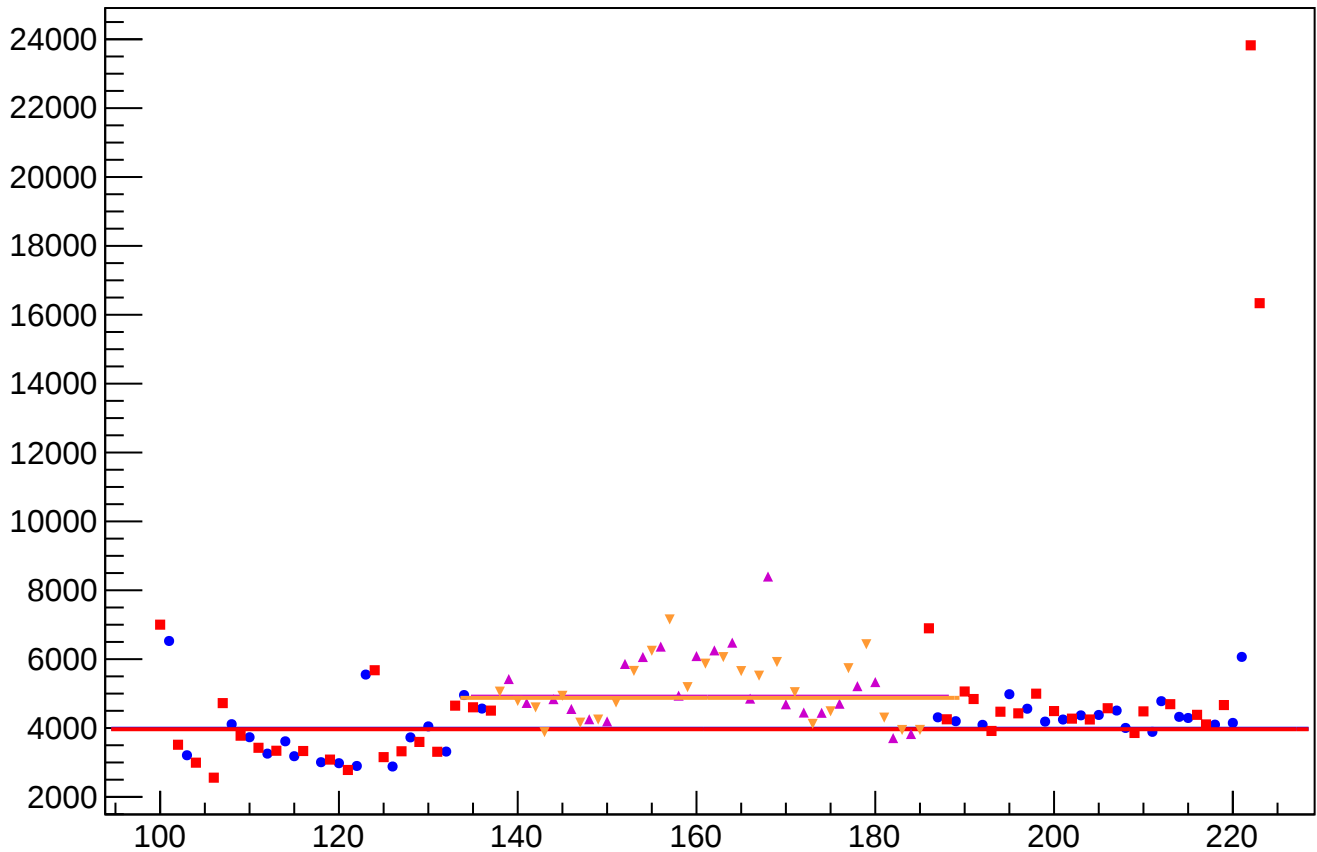
Left In: 332.488 $\pm$ 1196.011 χ^2 /NDF:14.7/22

+ sign 263.194 $\pm$ 717.931 χ^2 /NDF: 66.5/59

All: 303.473 $\pm$ 510.806 χ^2 /NDF: 134.9/121

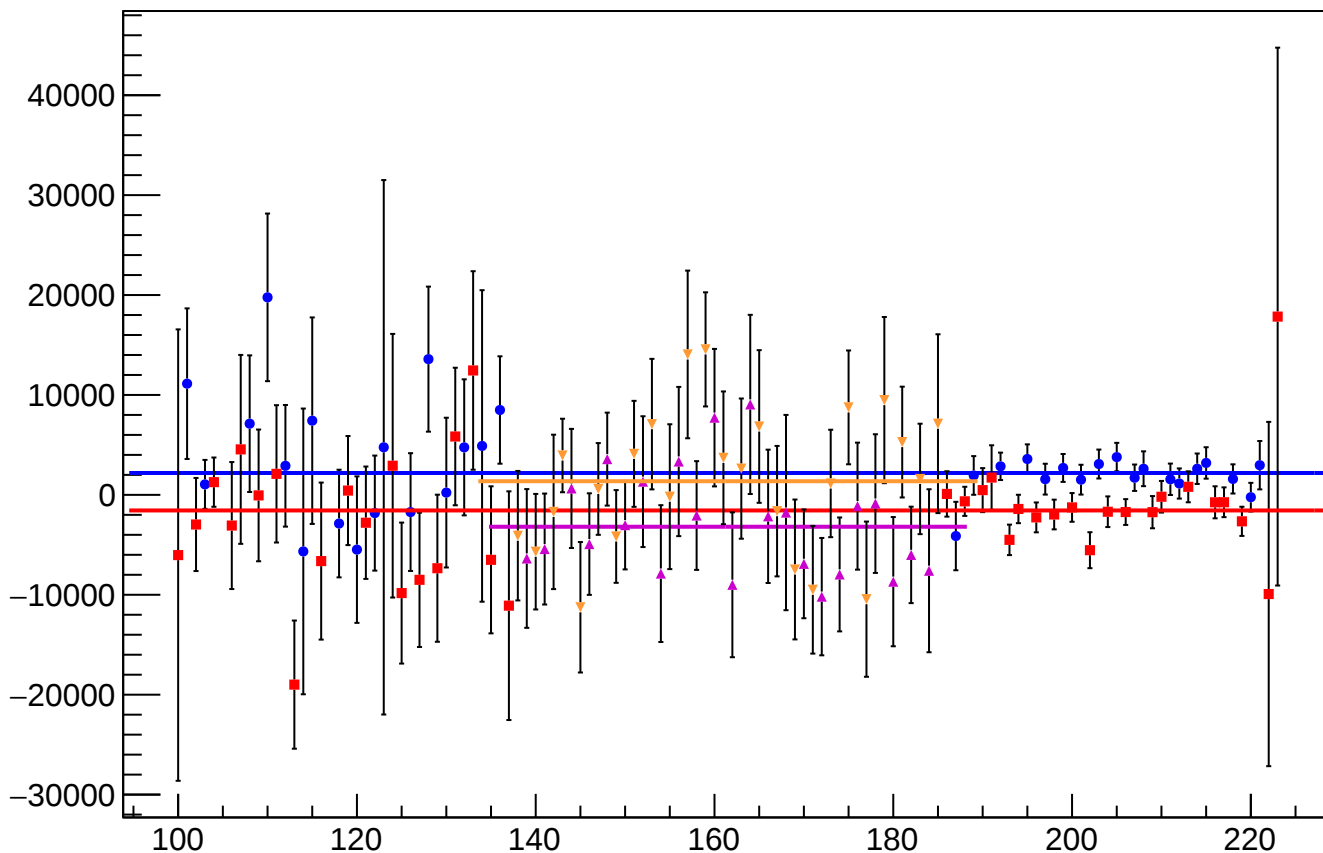
- sign 344.767 $\pm$ 726.930 χ^2 /NDF: 68.4/61

asym_atr1l2_dd_rms vs Slug



Right In: 3979.707 ± 0.648 $\chi^2/\text{NDF}: 1129854.6/34$ + sign 4325.971 ± 0.508 $\chi^2/\text{NDF}: 2842165.7/59$
 Left Out: 4876.564 ± 0.817 $\chi^2/\text{NDF}: 972528.1/24$ All: 4319.054 ± 0.360 $\chi^2/\text{NDF}: 7365751.0/12$
 Right Out: 3965.138 ± 0.643 $\chi^2/\text{NDF}: 2686727.4/38$ - sign 4312.018 ± 0.512 $\chi^2/\text{NDF}: 4523210.8/61$
 Left In: 4911.546 ± 0.846 $\chi^2/\text{NDF}: 1043164.6/22$

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2189.542 $\pm$ 356.298 χ^2 /NDF: 25.2/34

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -1560.241 $\pm$ 361.643 χ^2 /NDF: 34.5/38

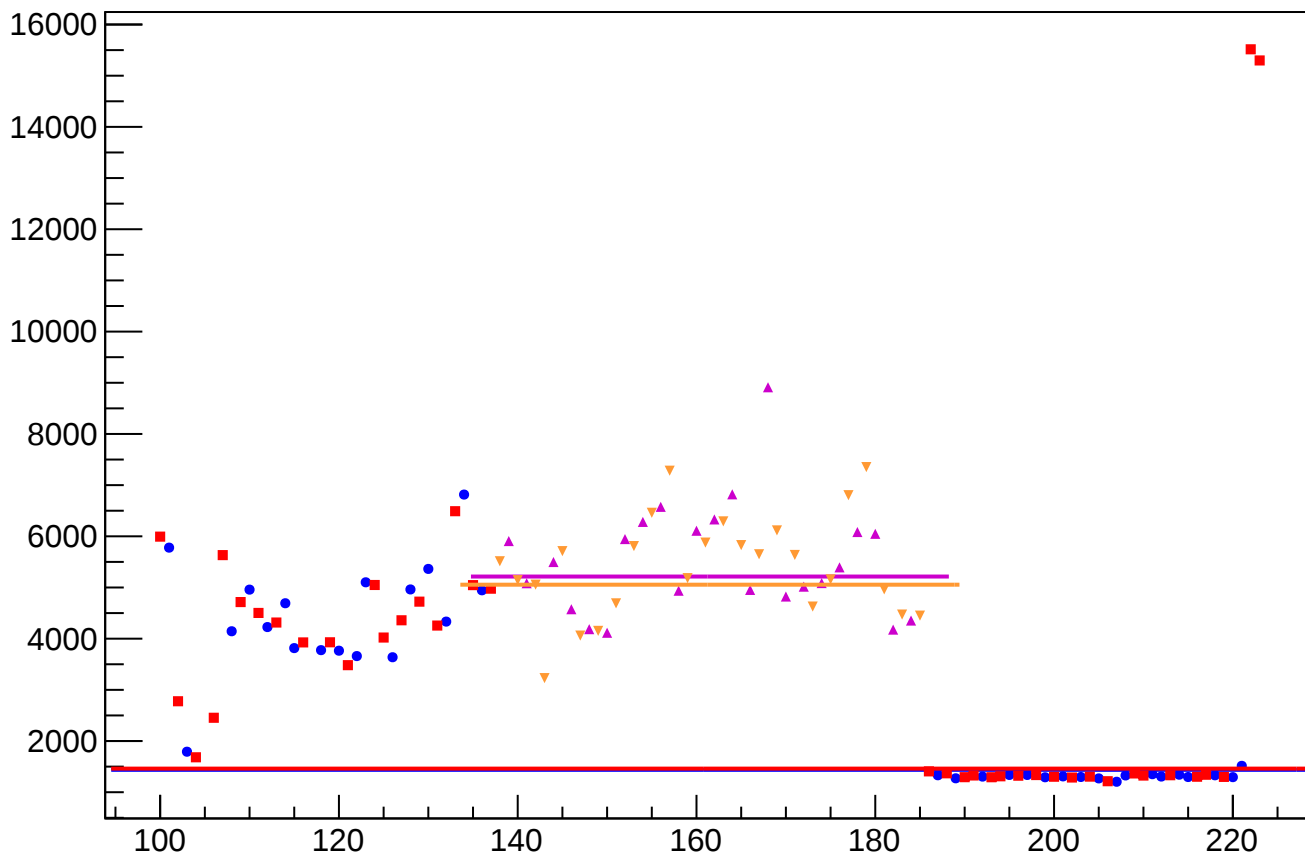
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 2123.384 $\pm$ 341.704 χ^2 /NDF: 53.6/59

All: 254.147 $\pm$ 243.753 χ^2 /NDF: 164.5/121

- sign -1682.564 $\pm$ 347.816 χ^2 /NDF: 50.0/61

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1437.380+/-0.252 χ^2/NDF : 5949774.1/34

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 1461.127+/-0.256 χ^2/NDF : 7726565.8/38

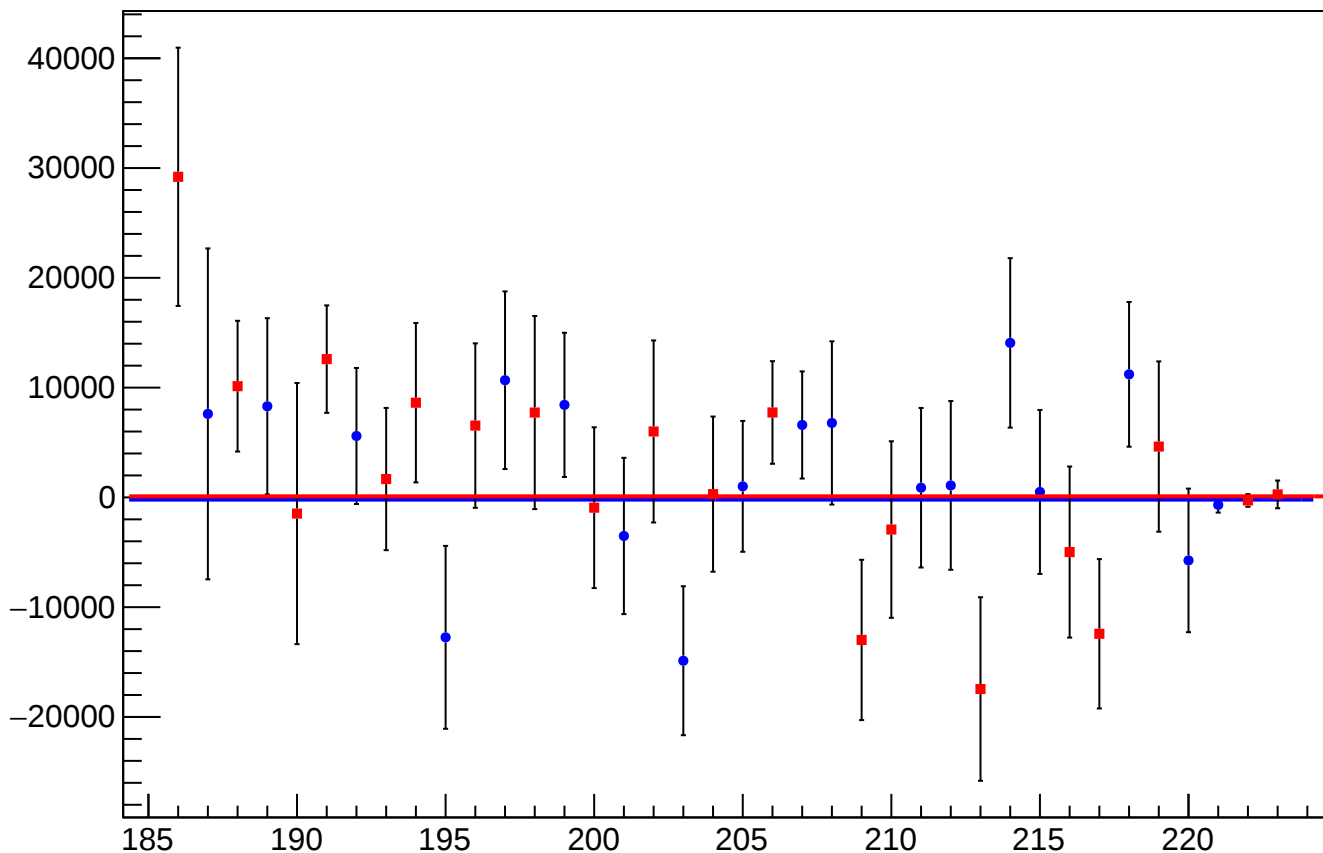
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 1727.648+/-0.242 χ^2/NDF : 23929148.1/59

All: 1734.839+/-0.172 χ^2/NDF : 48866448.8/1

- sign 1742.281+/-0.246 χ^2/NDF : 24935498.4/61

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: -201.175+/-646.437 χ^2/NDF : 23.5/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 96.441+/-501.461 χ^2/NDF : 34.0/19

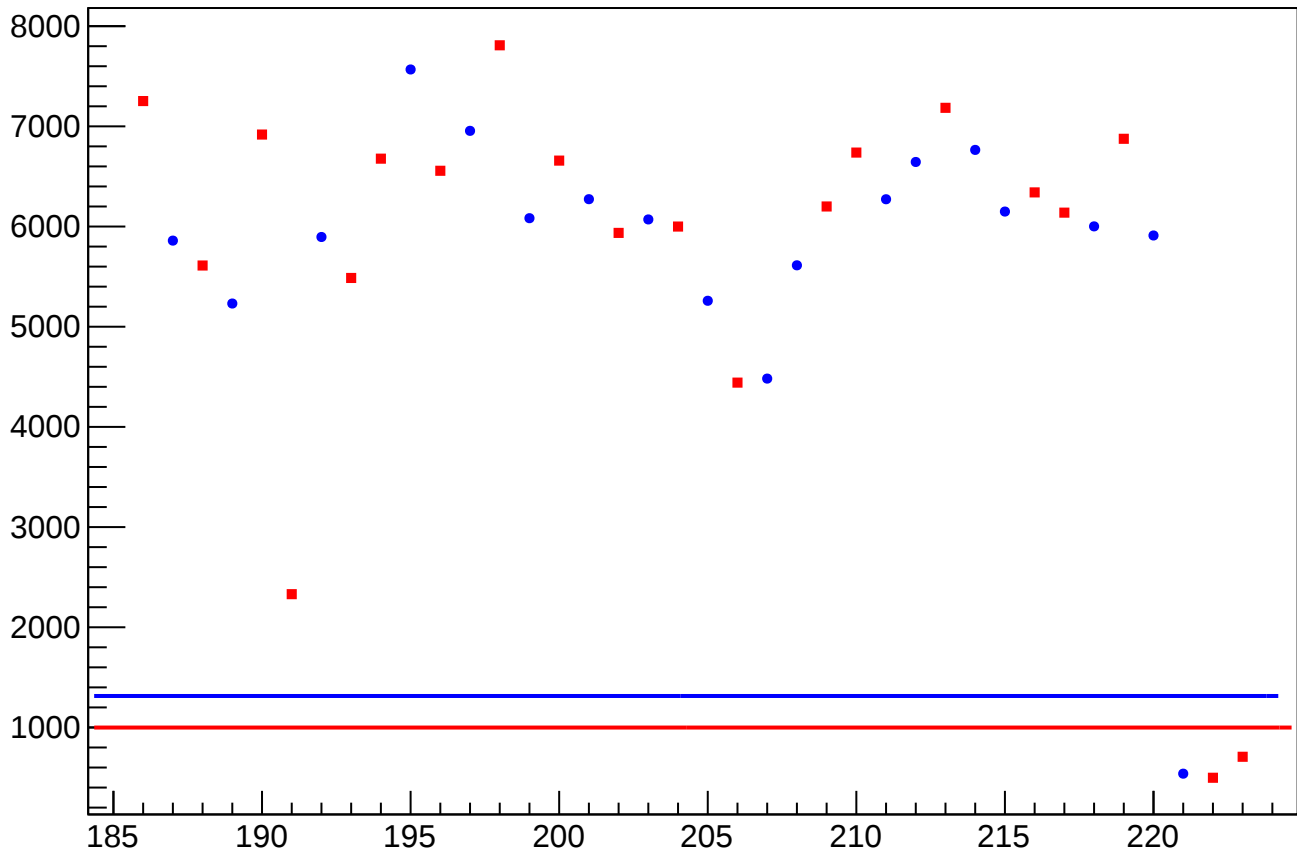
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -15.369+/-396.222 χ^2/NDF : 57.6/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 1314.140+/-0.457 χ^2/NDF : 17436987.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 999.051+/-0.355 χ^2/NDF : 18850618.1/19

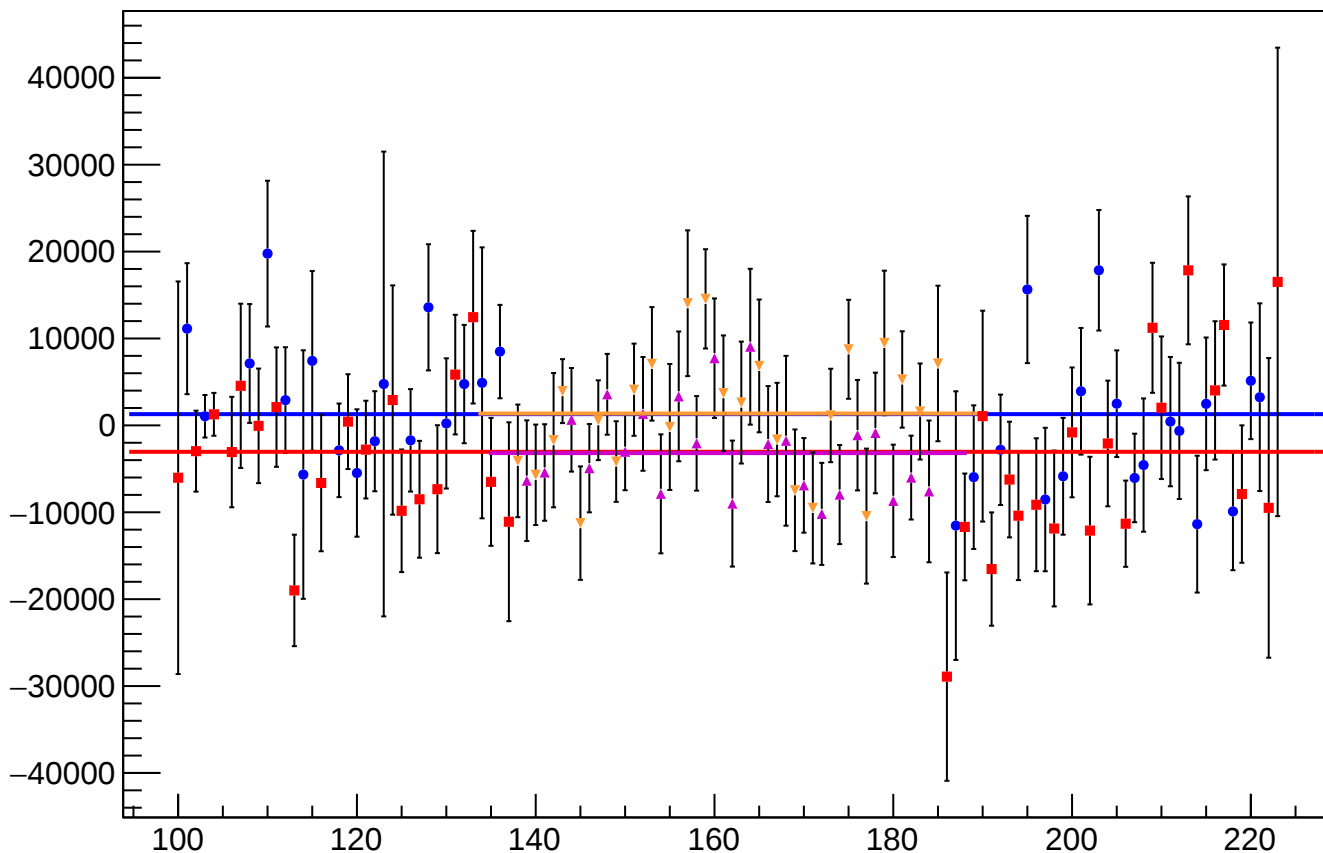
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1117.425+/-0.280 χ^2/NDF : 36584258.9/3

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1292.288 $\pm$ 1112.473 χ^2 /NDF: 36.6/34

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -3040.334 $\pm$ 1083.829 χ^2 /NDF: 52.4/38

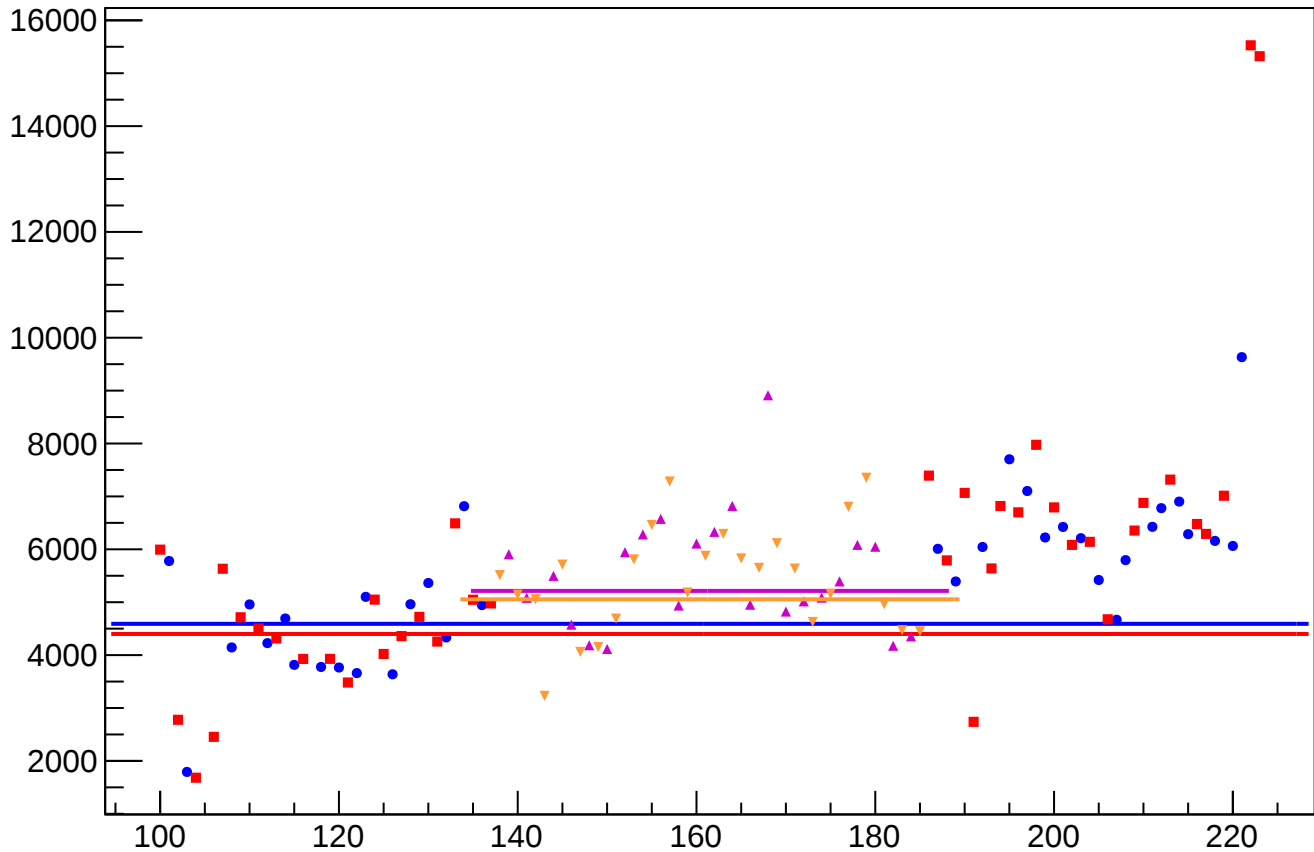
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 1325.745 $\pm$ 817.788 χ^2 /NDF: 64.5/59

All: -871.160 $\pm$ 580.597 χ^2 /NDF: 145.4/121

- sign -3103.891 $\pm$ 824.429 χ^2 /NDF: 66.4/61

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4591.400+/-0.787 χ^2/NDF : 5172484.0/34

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 4399.697+/-0.762 χ^2/NDF : 7040090.6/38

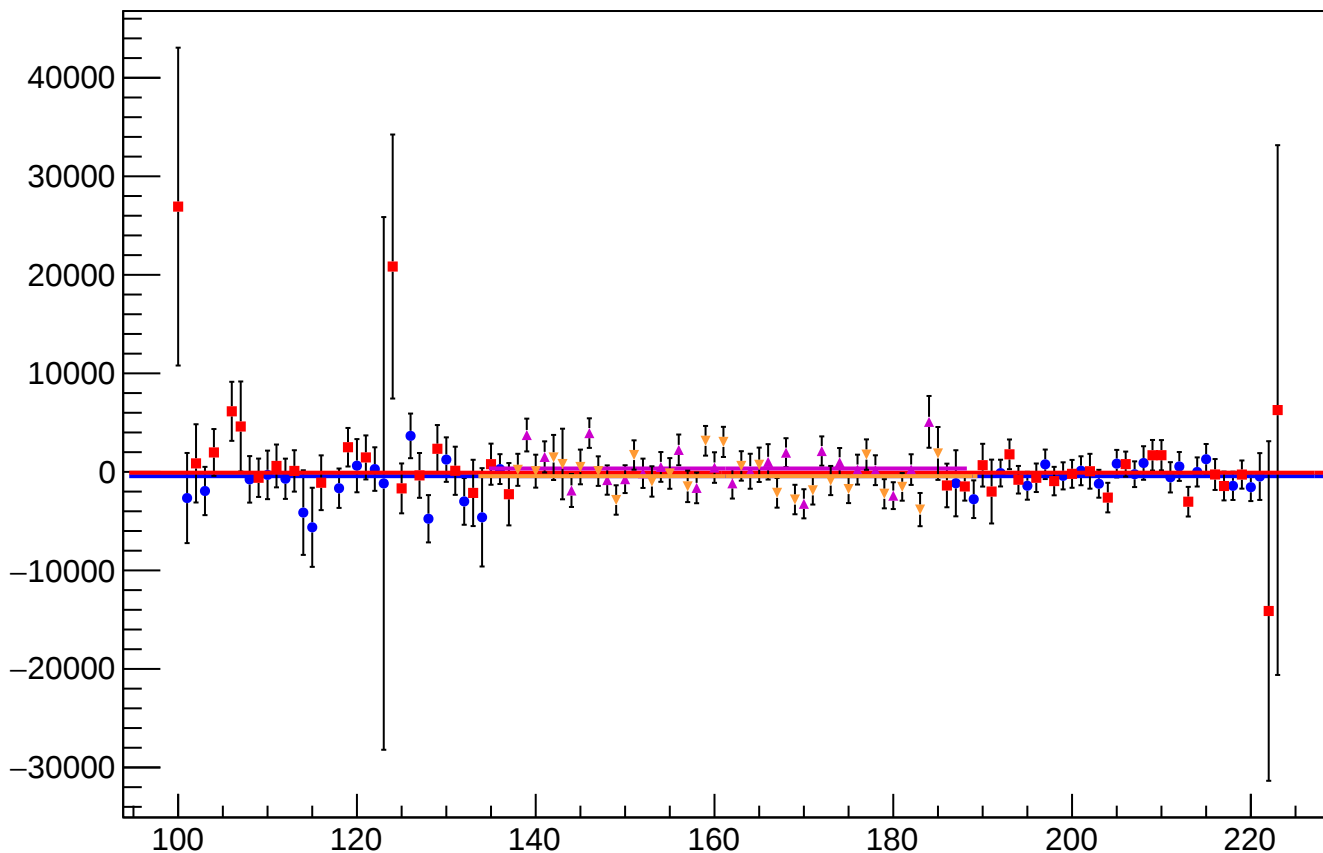
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 4804.342+/-0.578 χ^2/NDF : 6769148.7/59

All: 4772.640+/-0.410 χ^2/NDF : 15345934.0/1

- sign 4740.632+/-0.581 χ^2/NDF : 8570745.2/61

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -436.629 ± 309.422 χ^2/NDF : 20.3/34

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: -81.672 ± 312.459 χ^2/NDF : 31.8/38

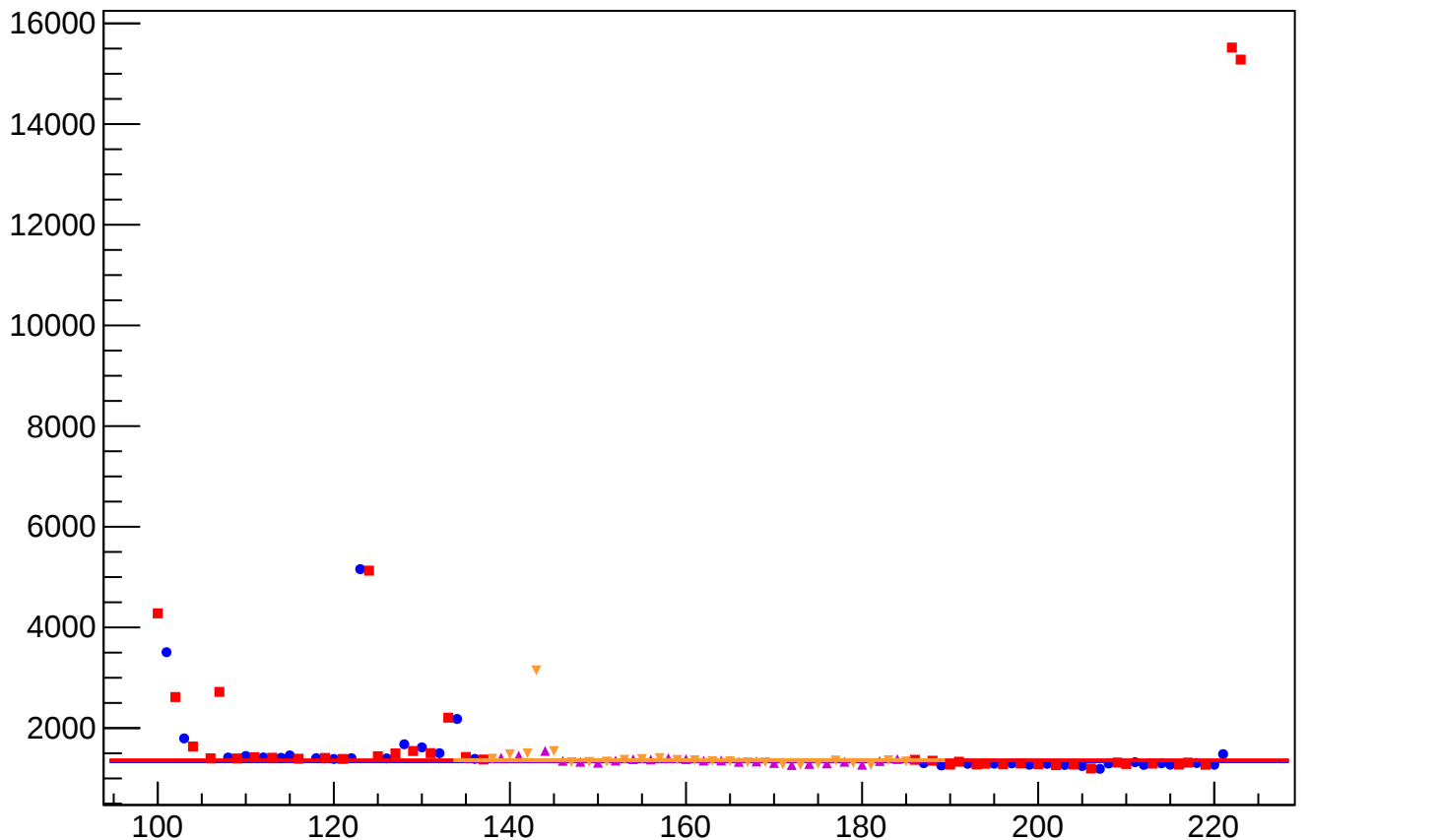
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -434.258 ± 222.621 χ^2/NDF : 53.4/59

All: -158.594 ± 158.263 χ^2/NDF : 123.0/121

- sign 123.079 ± 225.034 χ^2/NDF : 66.5/61

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1343.338+/-0.219 χ^2/NDF : 795291.2/34

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1359.400+/-0.221 χ^2/NDF : 2777077.0/38

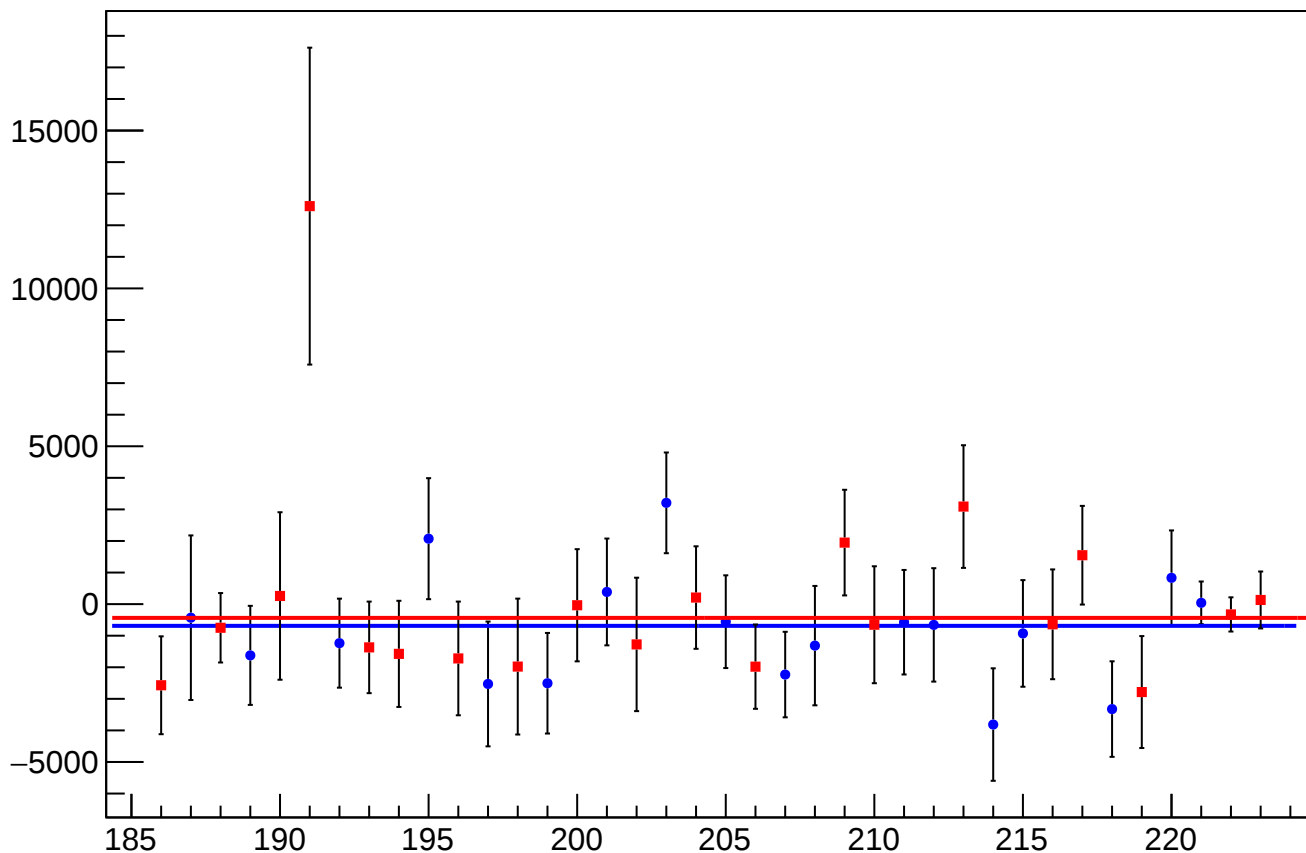
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1353.093+/-0.157 χ^2/NDF : 1374638.9/59

All: 1354.191+/-0.112 χ^2/NDF : 4219669.8/12

- sign 1355.313+/-0.159 χ^2/NDF : 2844932.5/61

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -687.993+/-344.549 χ^2/NDF : 20.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -435.847+/-303.287 χ^2/NDF : 21.6/19

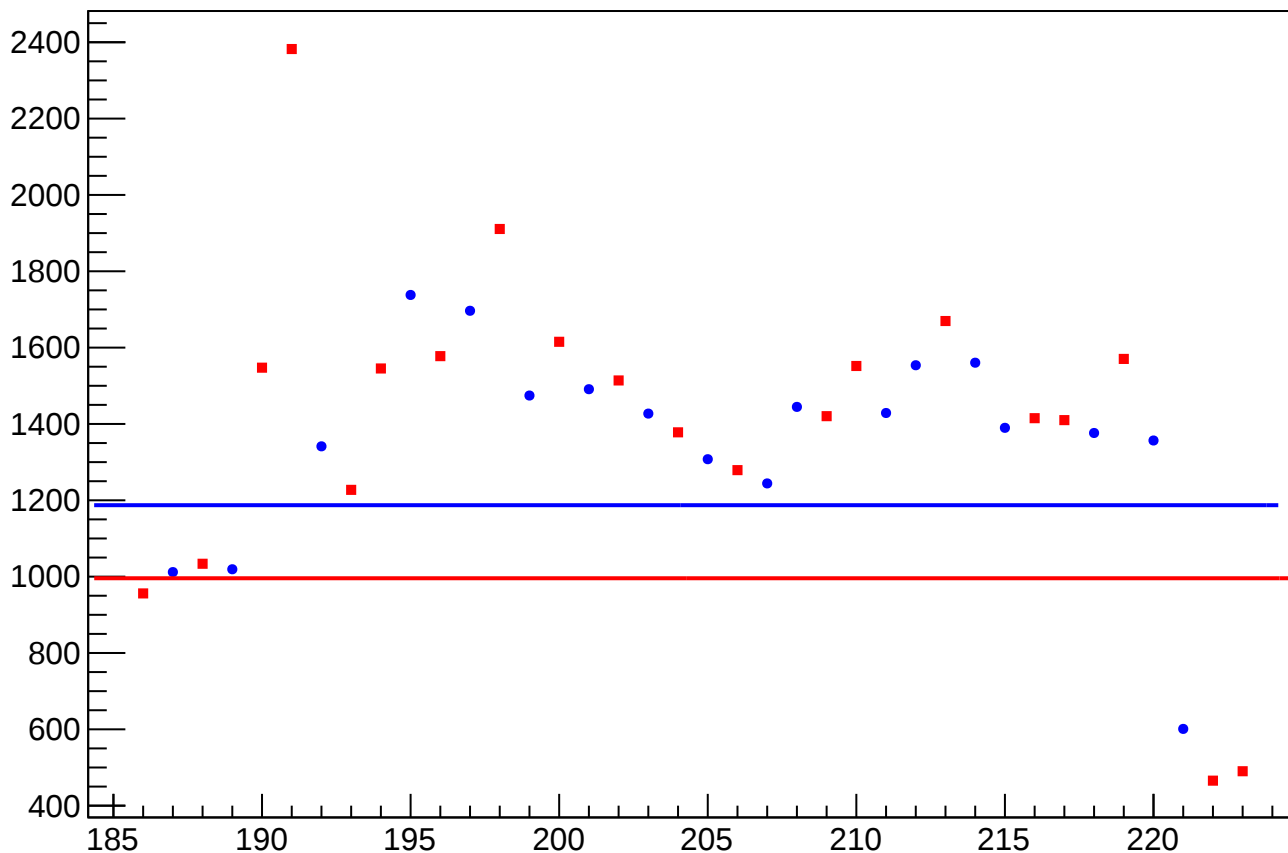
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -545.925+/-227.654 χ^2/NDF : 42.7/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1187.183+/-0.244 χ^2/NDF : 2388302.5/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 995.783+/-0.214 χ^2/NDF : 5204815.7/19

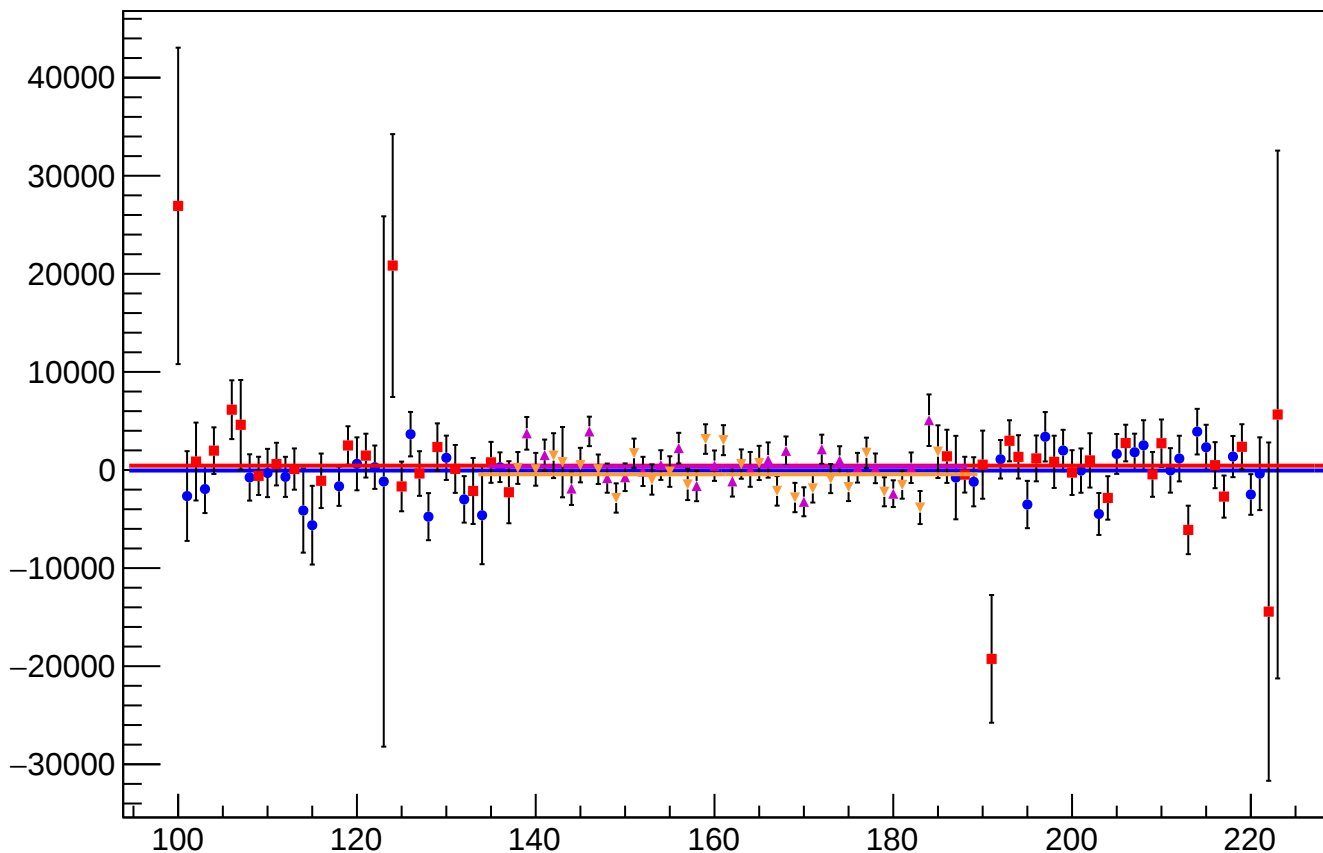
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1079.342+/-0.161 χ^2/NDF : 7940860.9/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -51.927 ± 403.862 χ^2/NDF : 32.5/34

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 443.972 ± 406.891 χ^2/NDF : 41.5/38

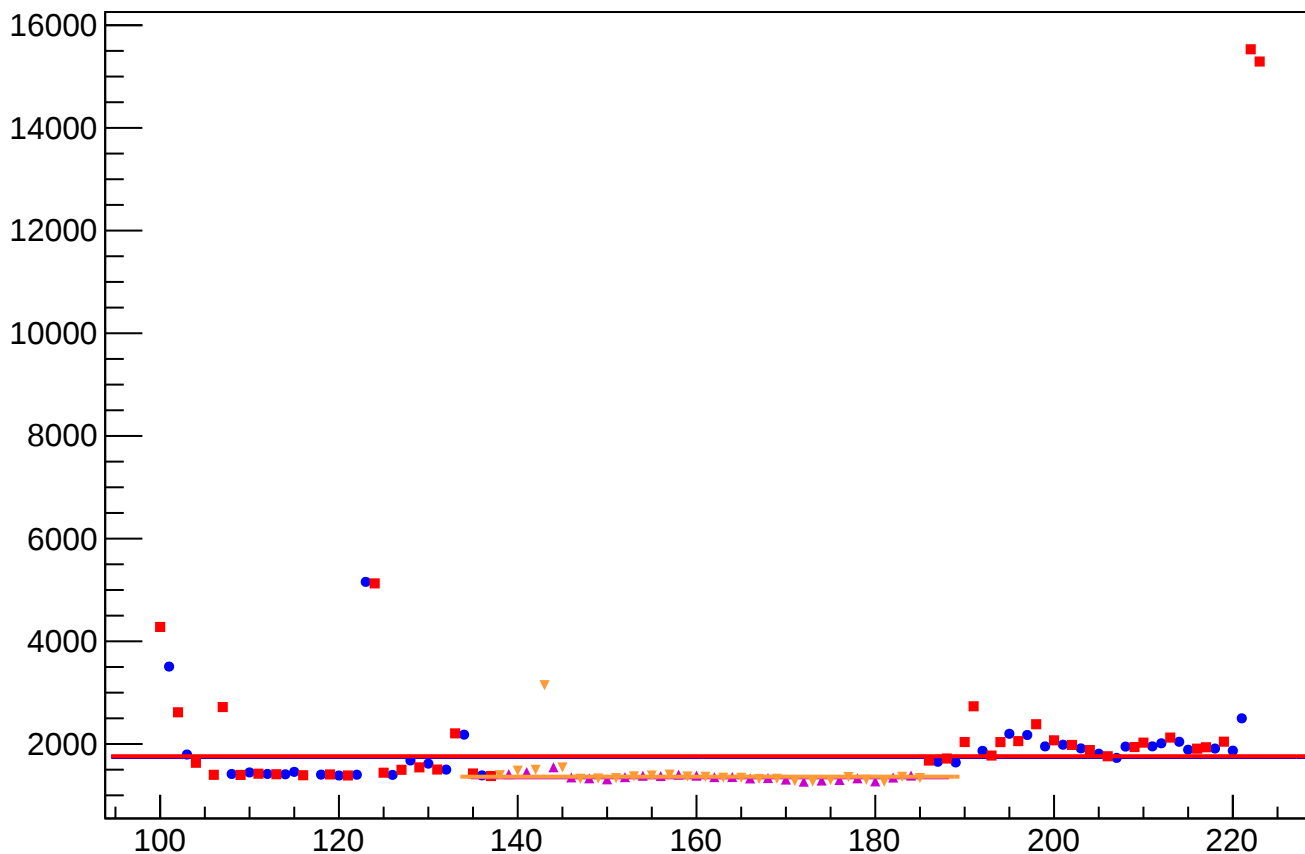
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -284.934 ± 251.071 χ^2/NDF : 66.1/59

All: 45.481 ± 178.434 χ^2/NDF : 144.9/121

- sign 382.685 ± 253.637 χ^2/NDF : 75.3/61

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1746.410+/-0.286 χ^2/NDF : 1213984.4/34

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1762.031+/-0.288 χ^2/NDF : 3137074.4/38

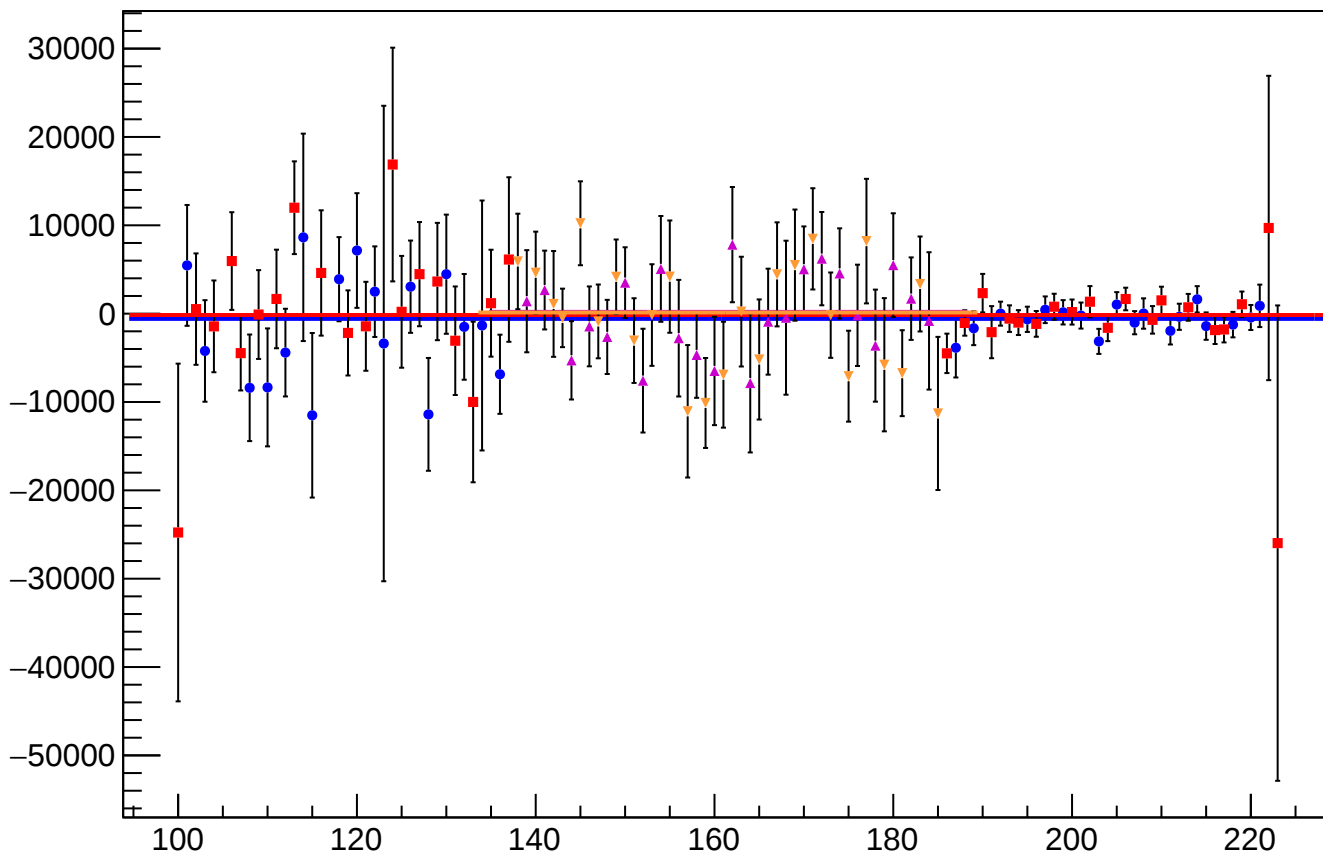
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1511.525+/-0.178 χ^2/NDF : 2891888.1/59

All: 1511.097+/-0.126 χ^2/NDF : 7344555.9/12

- sign 1510.659+/-0.179 χ^2/NDF : 4452656.0/61

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -590.544 ± 351.916 χ^2/NDF : 26.3/34

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -154.626 ± 355.868 χ^2/NDF : 31.6/38

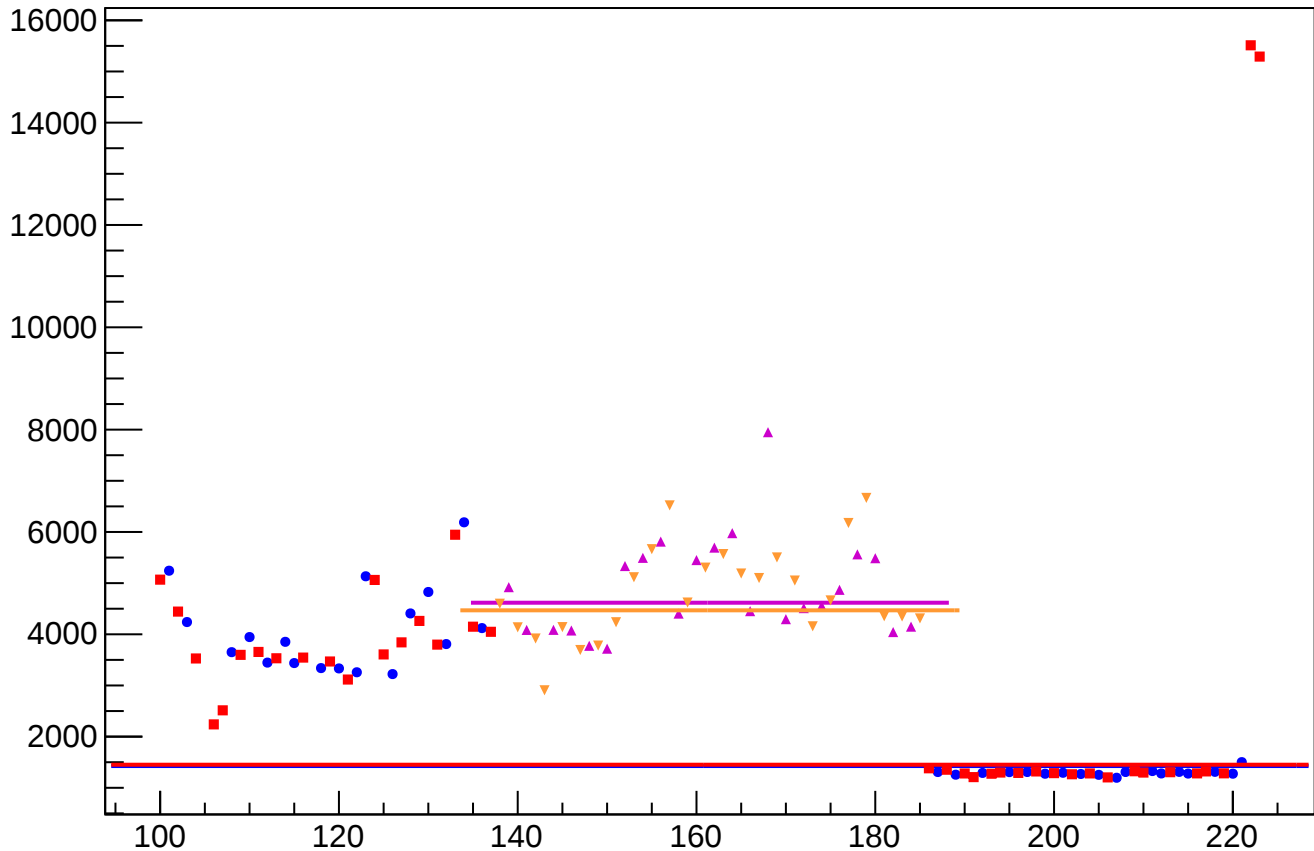
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -519.468 ± 334.162 χ^2/NDF : 54.8/59

All: -323.875 ± 238.069 χ^2/NDF : 101.9/121

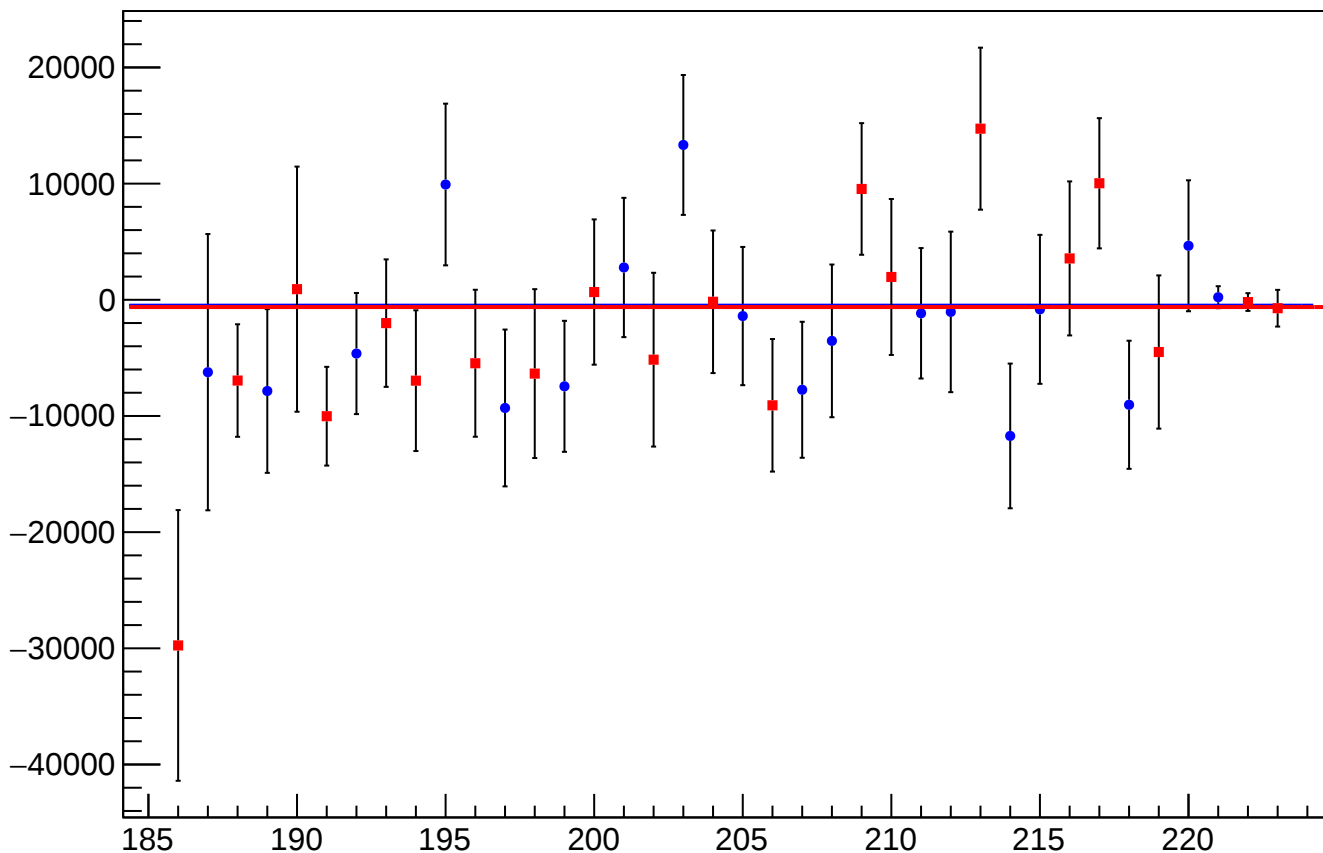
- sign -122.273 ± 339.256 χ^2/NDF : 46.4/61

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1425.244+/-0.249	χ^2/NDF : 5732639.3/34	+ sign 1724.548+/-0.236	χ^2/NDF : 21823119.4/59
Left Out: 4468.520+/-0.753	χ^2/NDF : 1380601.0/24	All: 1731.921+/-0.168	χ^2/NDF : 44678484.7/1
Right Out: 1451.136+/-0.251	χ^2/NDF : 7416865.5/38	- sign 1739.511+/-0.240	χ^2/NDF : 22853389.8/61
Left In: 4617.293+/-0.794	χ^2/NDF : 999599.8/22		

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -505.657+/-800.411 χ^2/NDF : 21.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -624.272+/-621.398 χ^2/NDF : 30.7/19

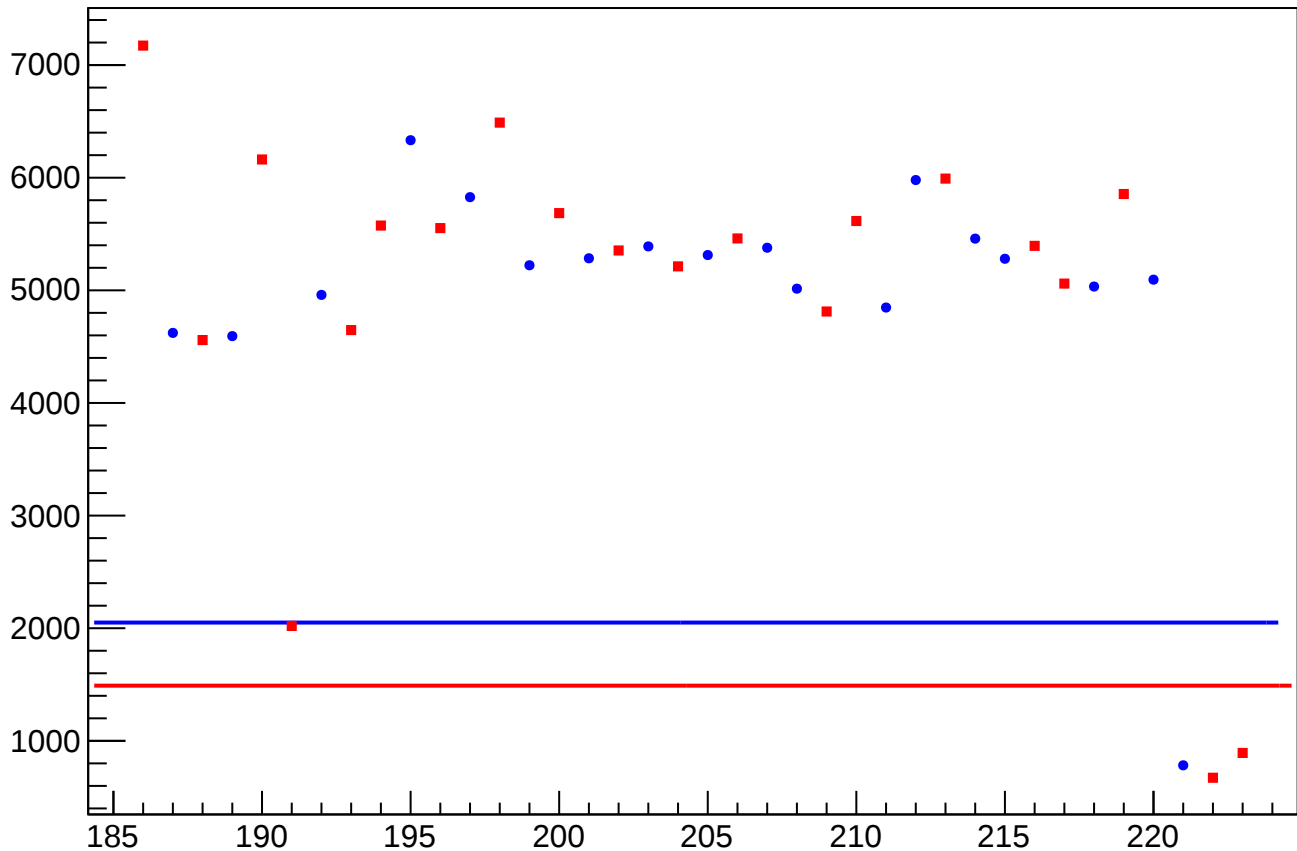
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -579.666+/-490.842 χ^2/NDF : 52.6/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 2050.321+/-0.566 χ^2/NDF : 12862178.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1490.134+/-0.439 χ^2/NDF : 15425305.3/19

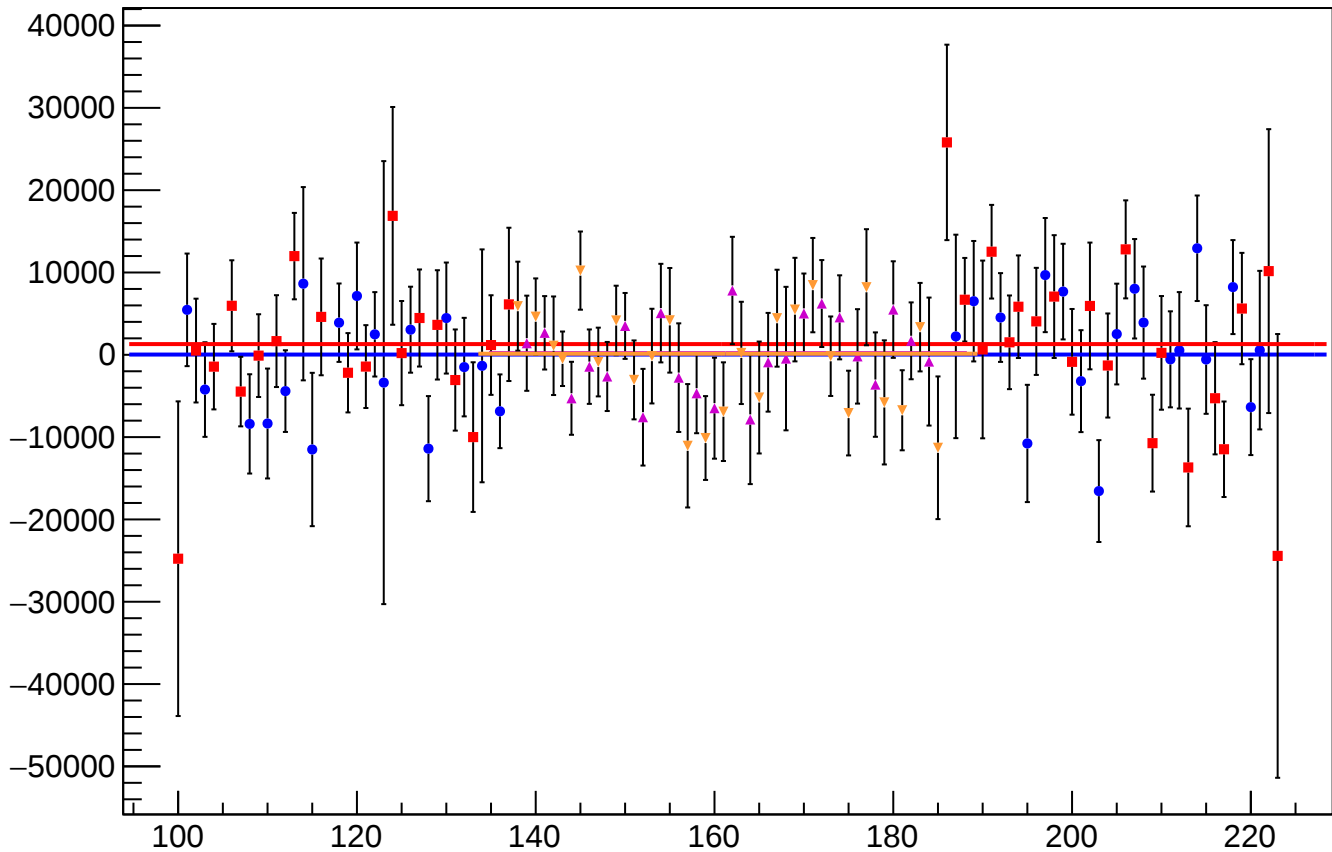
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1700.798+/-0.347 χ^2/NDF : 28898724.5/3

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: 30.214 $\pm$ 1078.709 χ^2 /NDF: 40.6/34

Left Out: 132.142 $\pm$ 1065.543 χ^2 /NDF:28.1/24

Right Out: 1301.283 $\pm$ 1026.582 χ^2 /NDF: 45.1/38

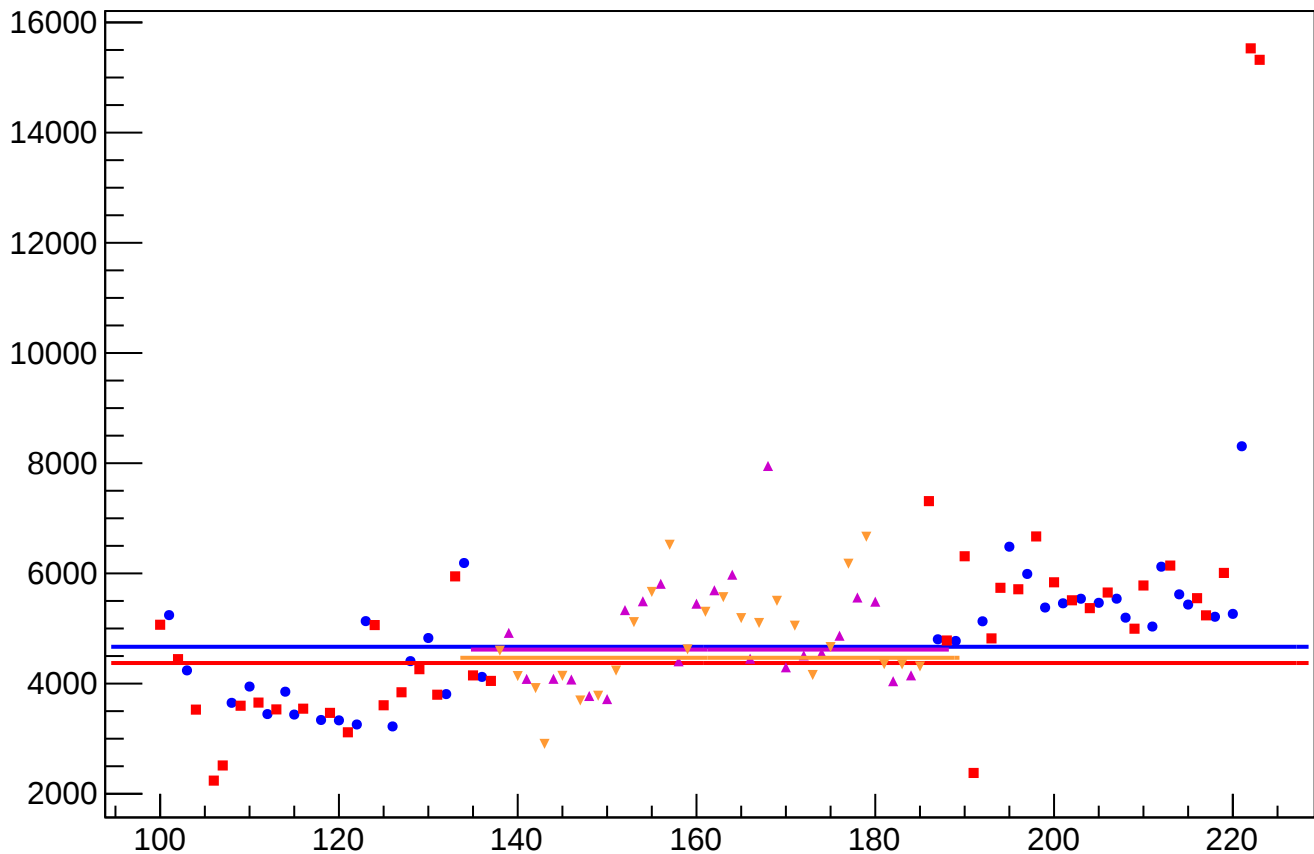
Left In: 200.182 $\pm$ 1123.499 χ^2 /NDF:14.7/22

+ sign 81.804 $\pm$ 758.064 χ^2 /NDF: 68.7/59

All: 441.134 $\pm$ 535.958 χ^2 /NDF: 129.5/121

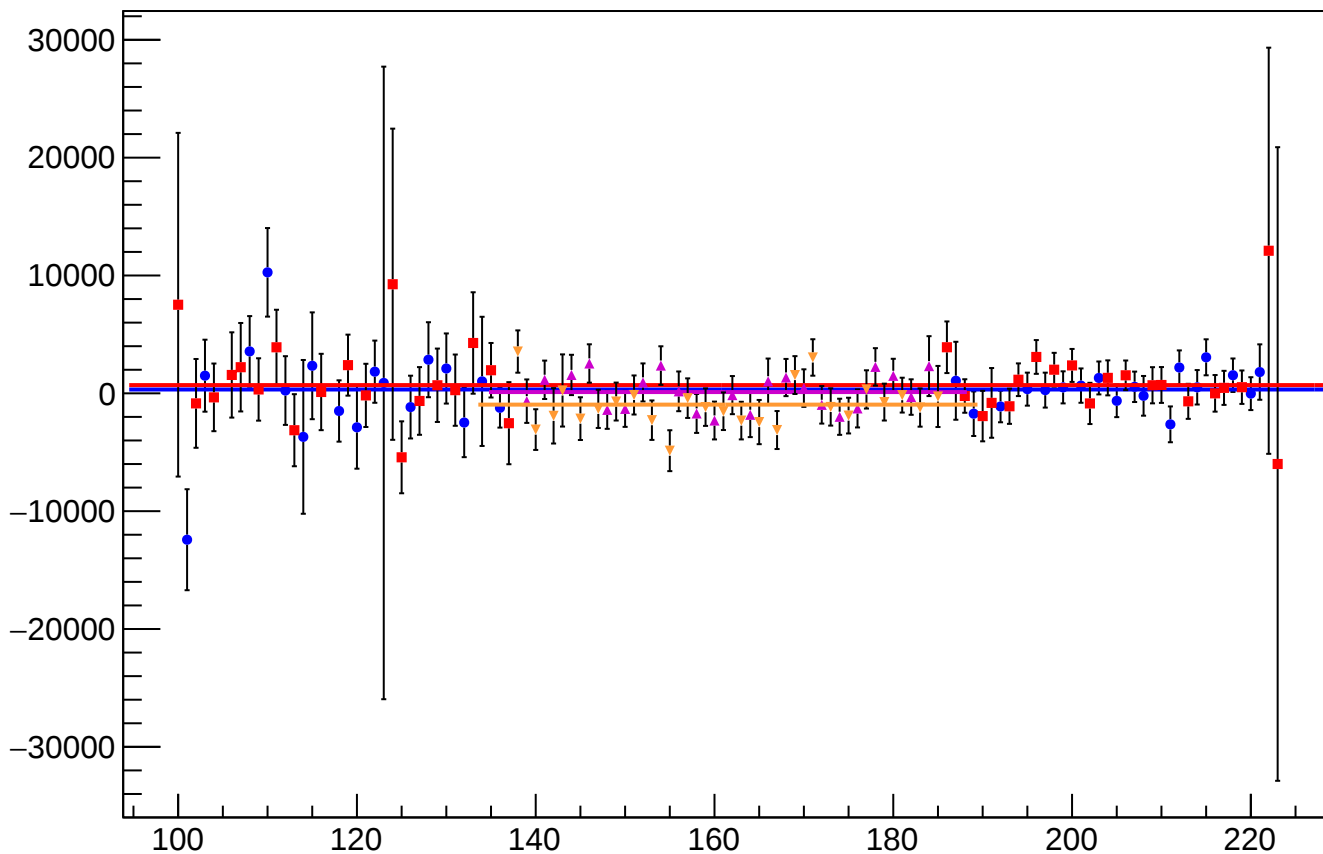
- sign 800.265 $\pm$ 757.854 χ^2 /NDF: 60.3/61

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4668.180+/-0.763	χ^2/NDF : 1811544.3/34	+ sign 4567.125+/-0.536	χ^2/NDF : 3226825.6/59
Left Out: 4468.520+/-0.753	χ^2/NDF : 1380601.0/24	All: 4525.324+/-0.378	χ^2/NDF : 8342906.5/12
Right Out: 4373.432+/-0.722	χ^2/NDF : 4052765.6/38	- sign 4483.777+/-0.534	χ^2/NDF : 5103954.9/61
Left In: 4617.293+/-0.794	χ^2/NDF : 999599.8/22		

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 325.497+/-321.915 χ^2/NDF : 35.9/34

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 698.900+/-325.223 χ^2/NDF : 24.4/38

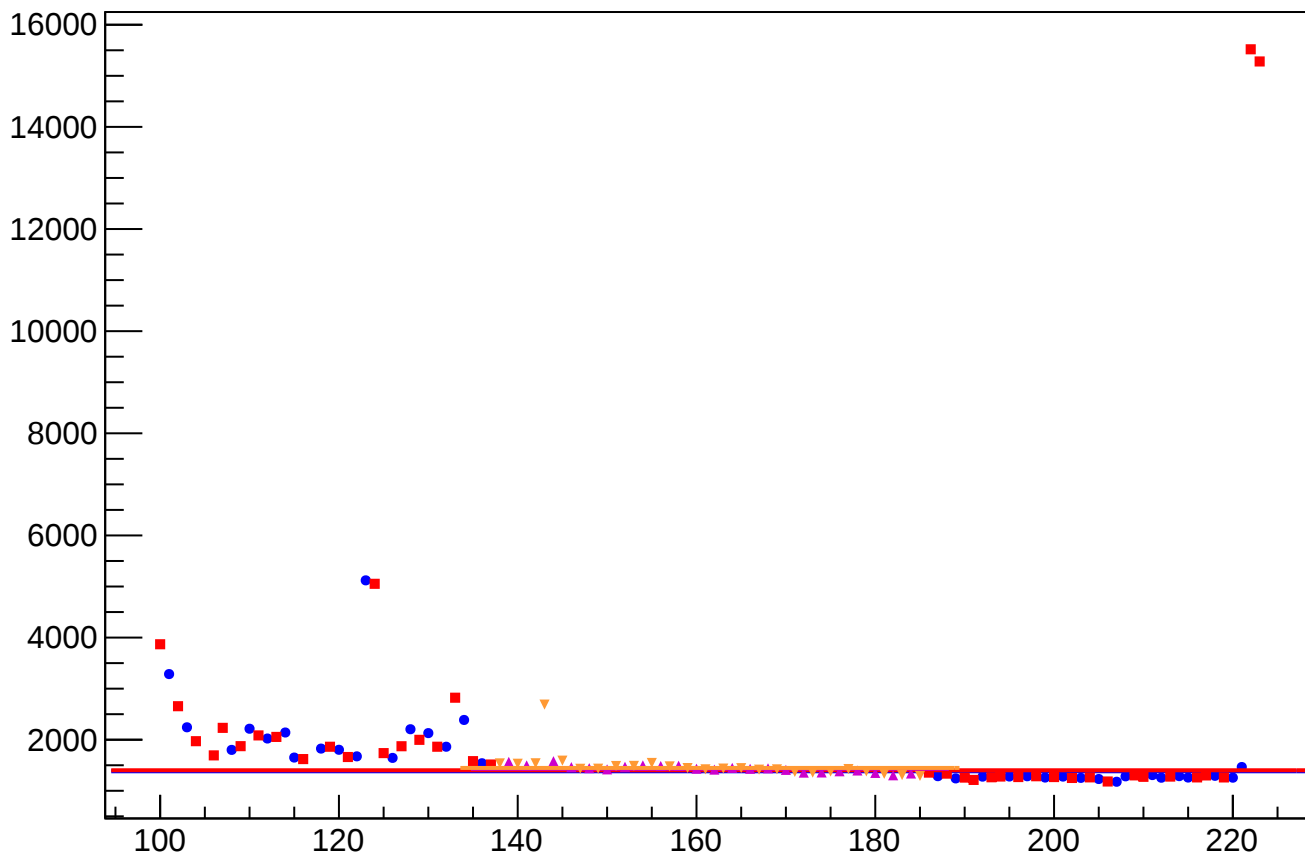
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -282.353+/-233.597 χ^2/NDF : 71.9/59

All: 64.656+/-166.097 χ^2/NDF : 121.8/121

- sign 419.497+/-236.218 χ^2/NDF : 45.4/61

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1381.976 $\pm$ 0.228 χ^2 /NDF: 1627312.9/34

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1401.999 $\pm$ 0.230 χ^2 /NDF: 3543544.4/38

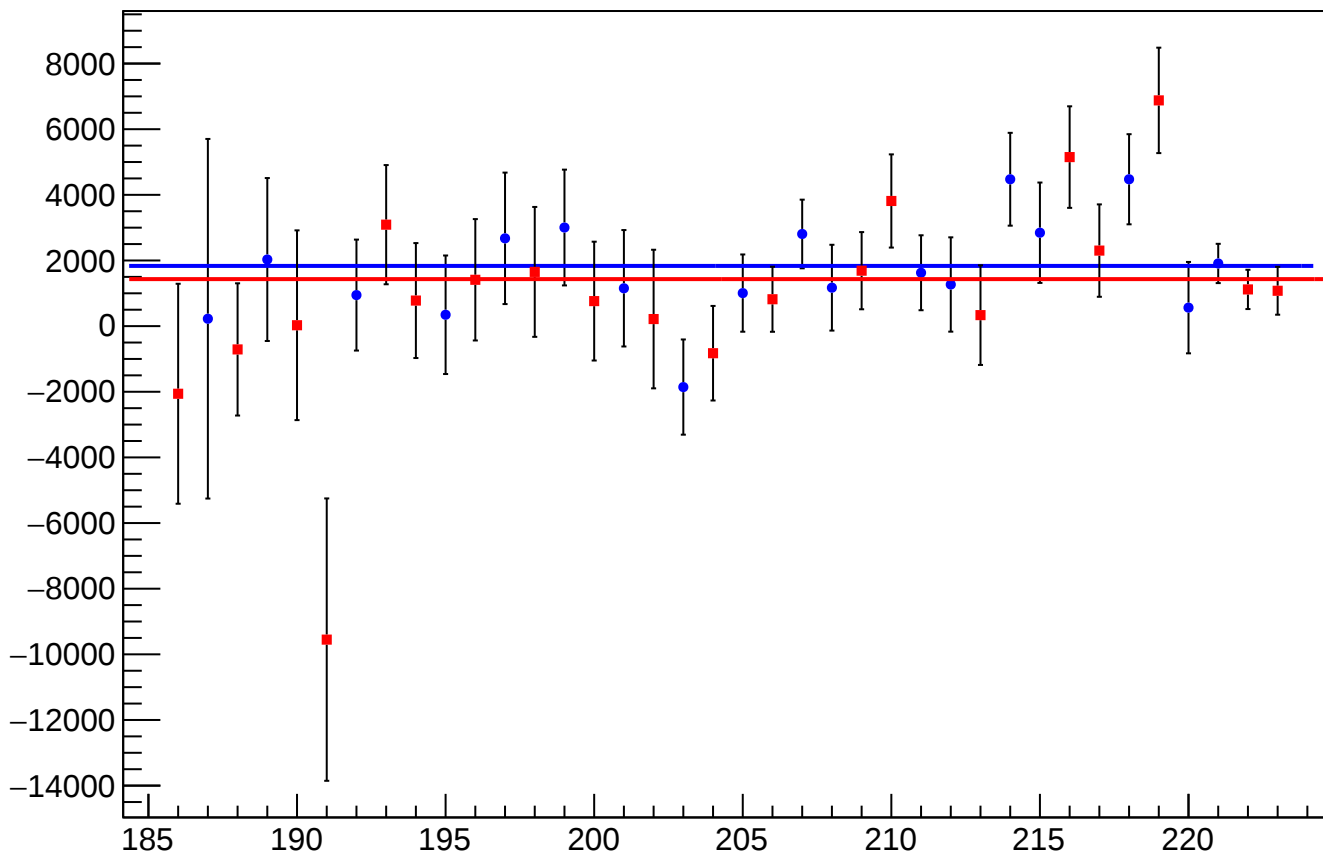
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1413.023 $\pm$ 0.165 χ^2 /NDF: 2085861.9/59

All: 1414.453 $\pm$ 0.117 χ^2 /NDF: 5712440.0/12

- sign 1415.916 $\pm$ 0.167 χ^2 /NDF: 3626426.5/61

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1834.533+/-309.258 χ^2/NDF : 18.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1432.303+/-296.831 χ^2/NDF : 34.8/19

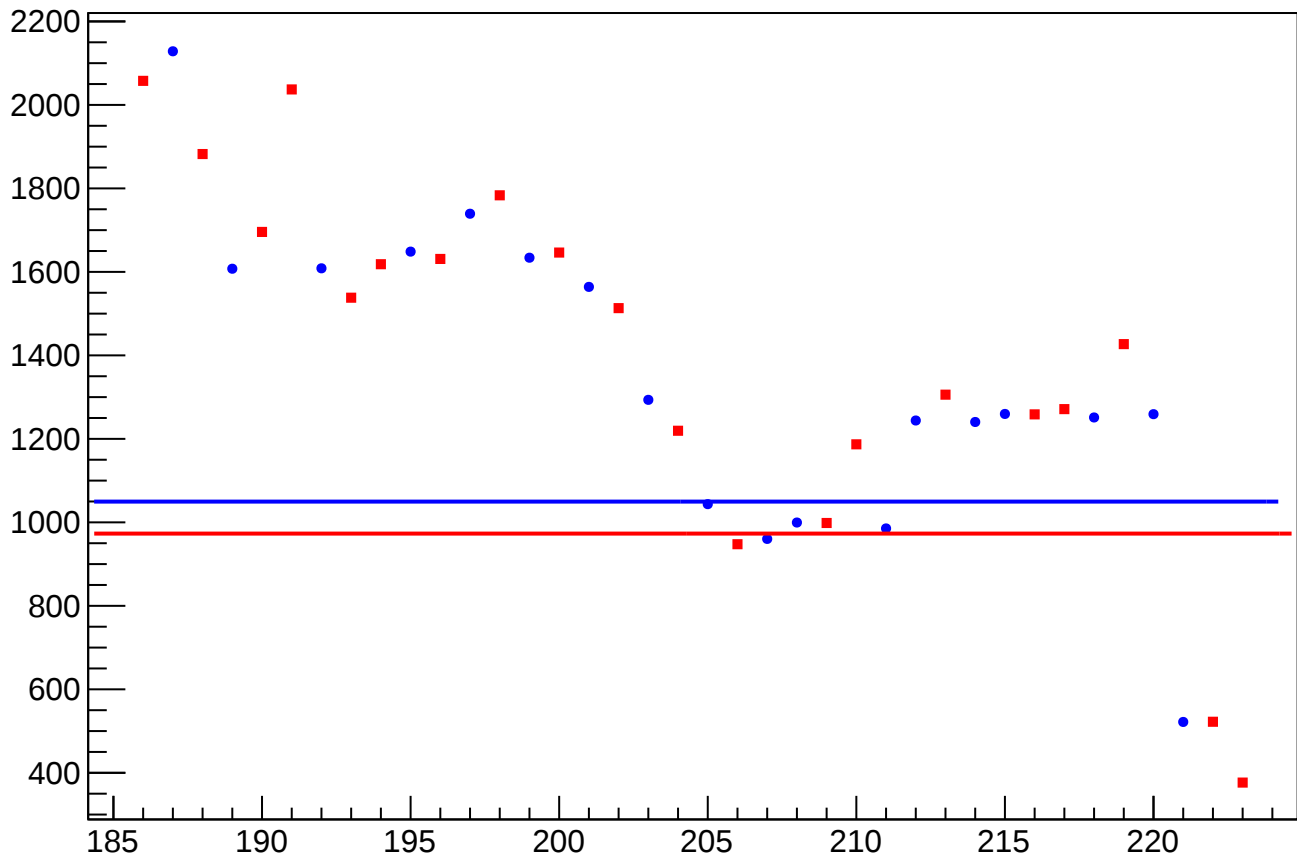
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1625.174+/-214.150 χ^2/NDF : 54.3/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1049.720+/-0.219 χ^2/NDF : 3077456.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 973.069+/-0.210 χ^2/NDF : 5317792.9/19

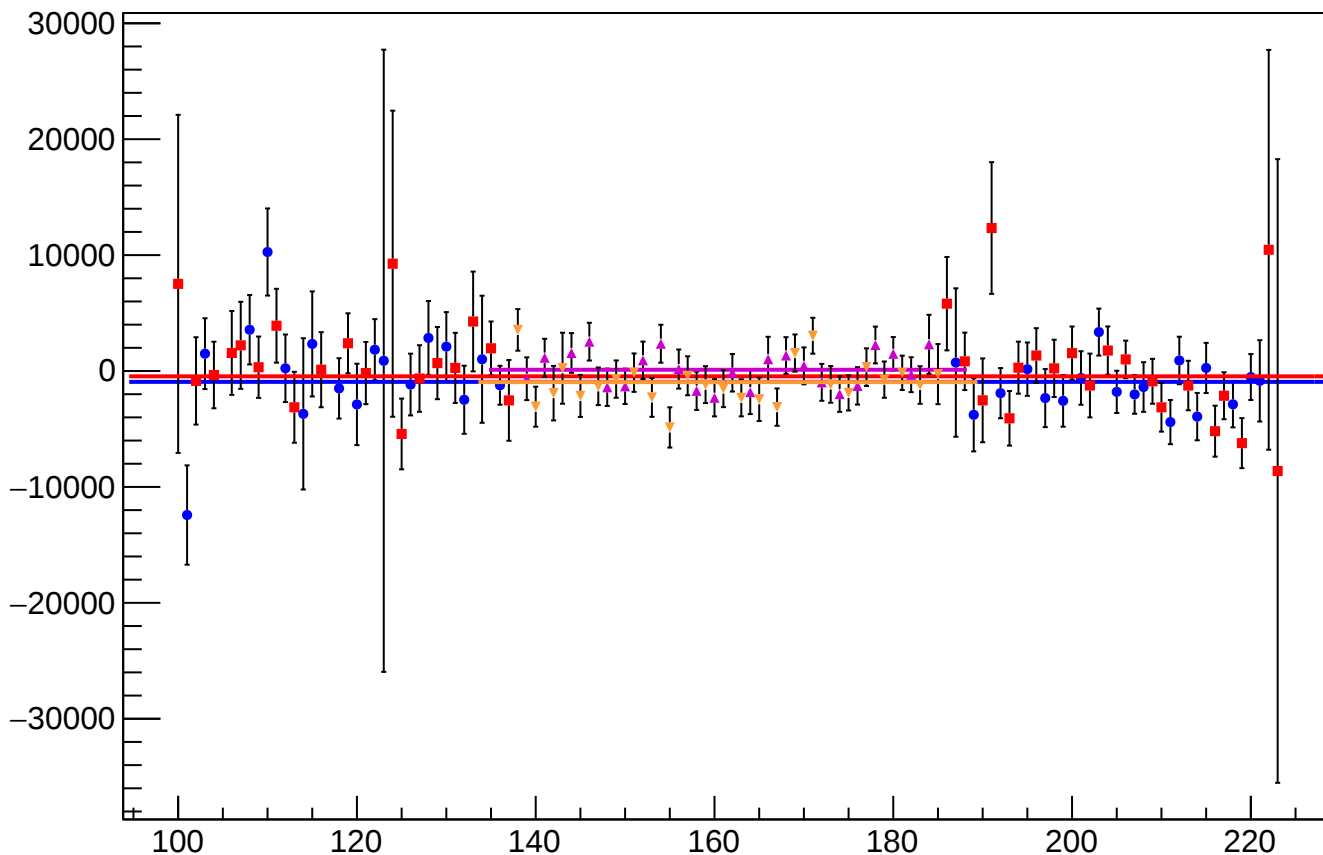
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1009.824+/-0.151 χ^2/NDF : 8459199.8/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -935.026 ± 425.854 χ^2/NDF : 39.1/34

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: -459.897 ± 437.732 χ^2/NDF : 39.9/38

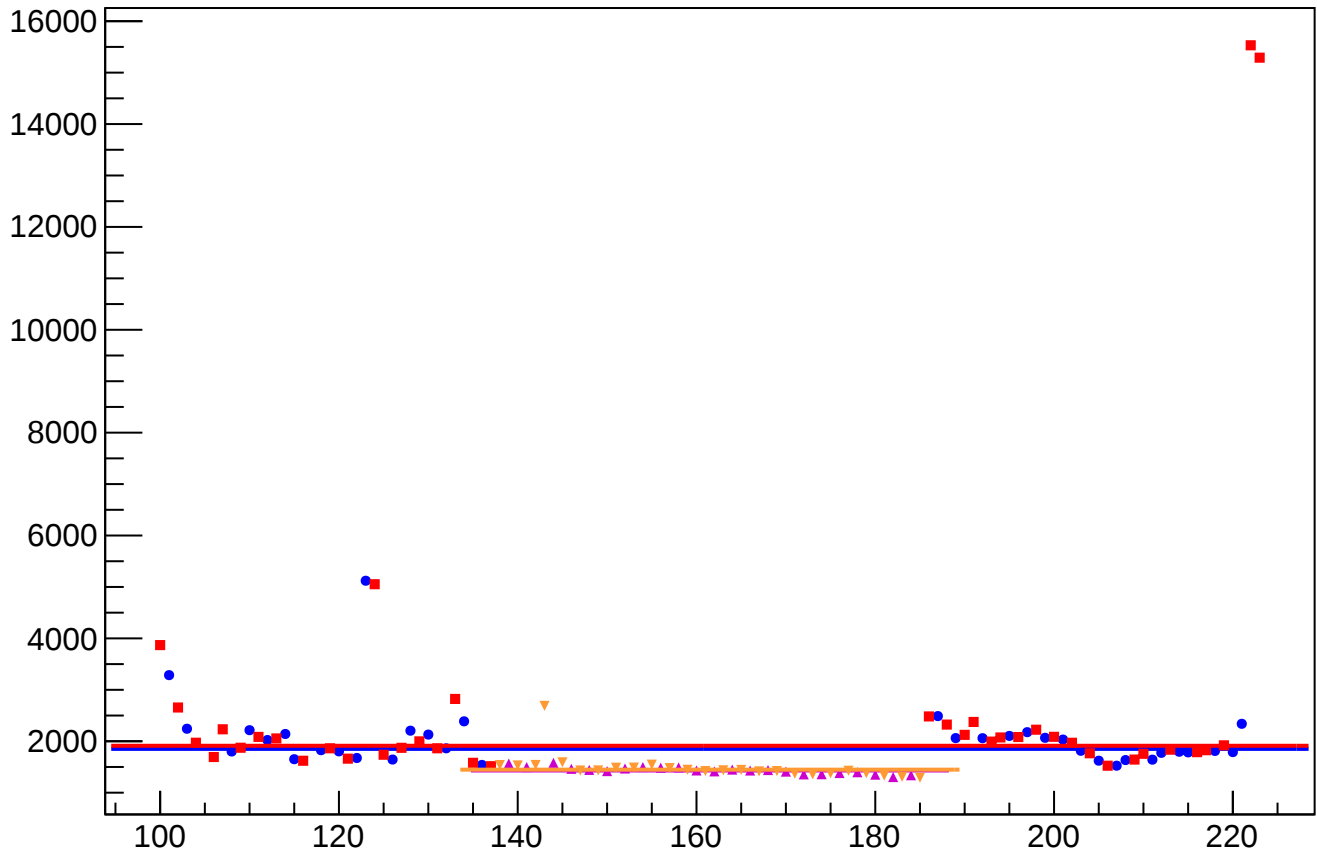
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -949.323 ± 265.463 χ^2/NDF : 67.6/59

All: -536.693 ± 189.401 χ^2/NDF : 133.0/121

- sign -108.860 ± 270.309 χ^2/NDF : 60.4/61

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1851.420+/-0.301 χ^2/NDF : 809693.1/34

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1912.088+/-0.310 χ^2/NDF : 2572155.1/38

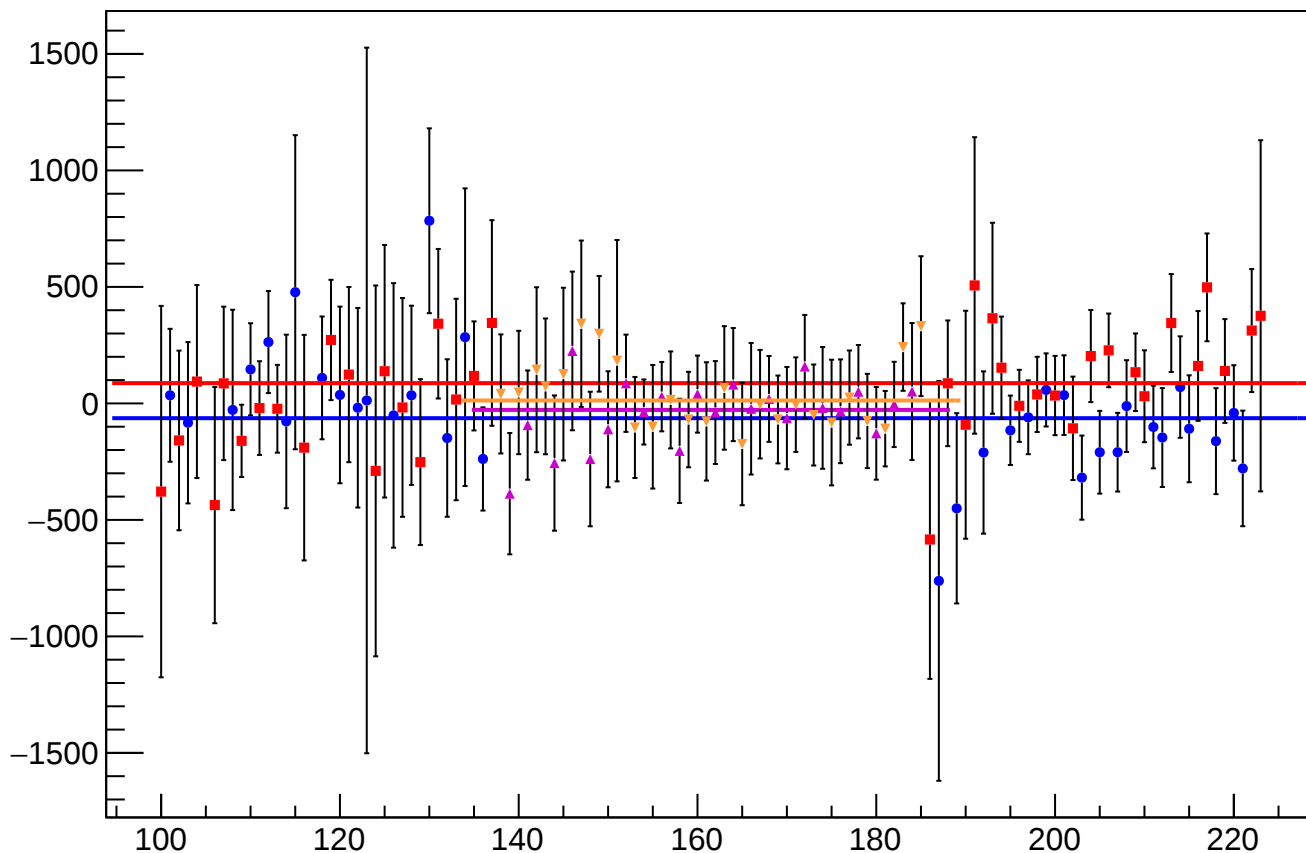
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1604.491+/-0.188 χ^2/NDF : 2328763.4/59

All: 1609.522+/-0.134 χ^2/NDF : 6469281.2/12

- sign 1614.739+/-0.191 χ^2/NDF : 4139054.3/61

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -63.415 ± 40.526 $\chi^2/\text{NDF}: 18.1/34$

Left Out: 12.618 ± 47.486 $\chi^2/\text{NDF}: 7.7/24$

Right Out: 87.086 ± 40.428 $\chi^2/\text{NDF}: 18.8/38$

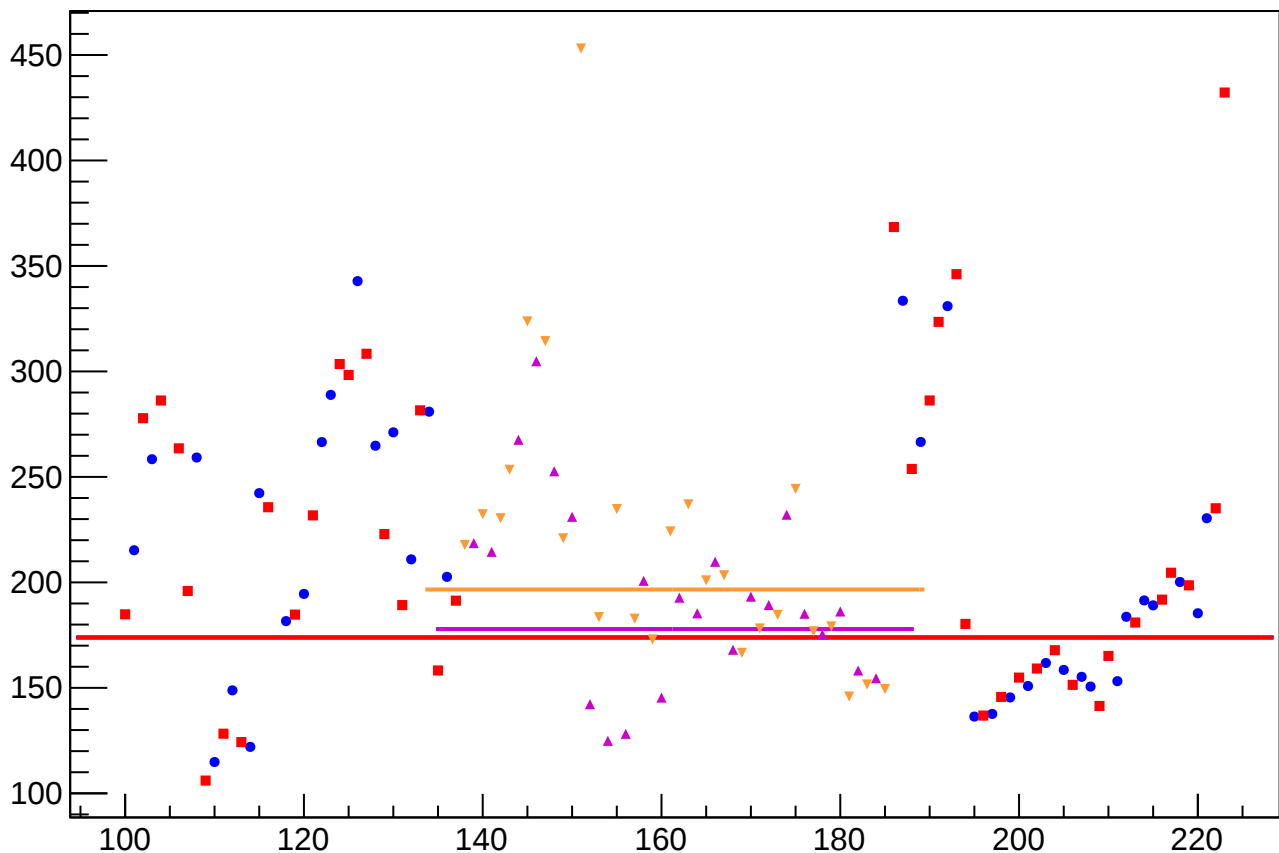
Left In: -27.921 ± 44.523 $\chi^2/\text{NDF}: 6.5/22$

+ sign -31.373 ± 30.826 $\chi^2/\text{NDF}: 27.3/59$

All: 2.851 ± 21.474 $\chi^2/\text{NDF}: 58.6/121$

- sign 35.115 ± 29.930 $\chi^2/\text{NDF}: 29.0/61$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.825+/-0.029 χ^2/NDF : 2318189.8/34

Left Out: 196.620+/-0.034 χ^2/NDF : 1793507.9/24

Right Out: 173.988+/-0.029 χ^2/NDF : 3279339.5/38

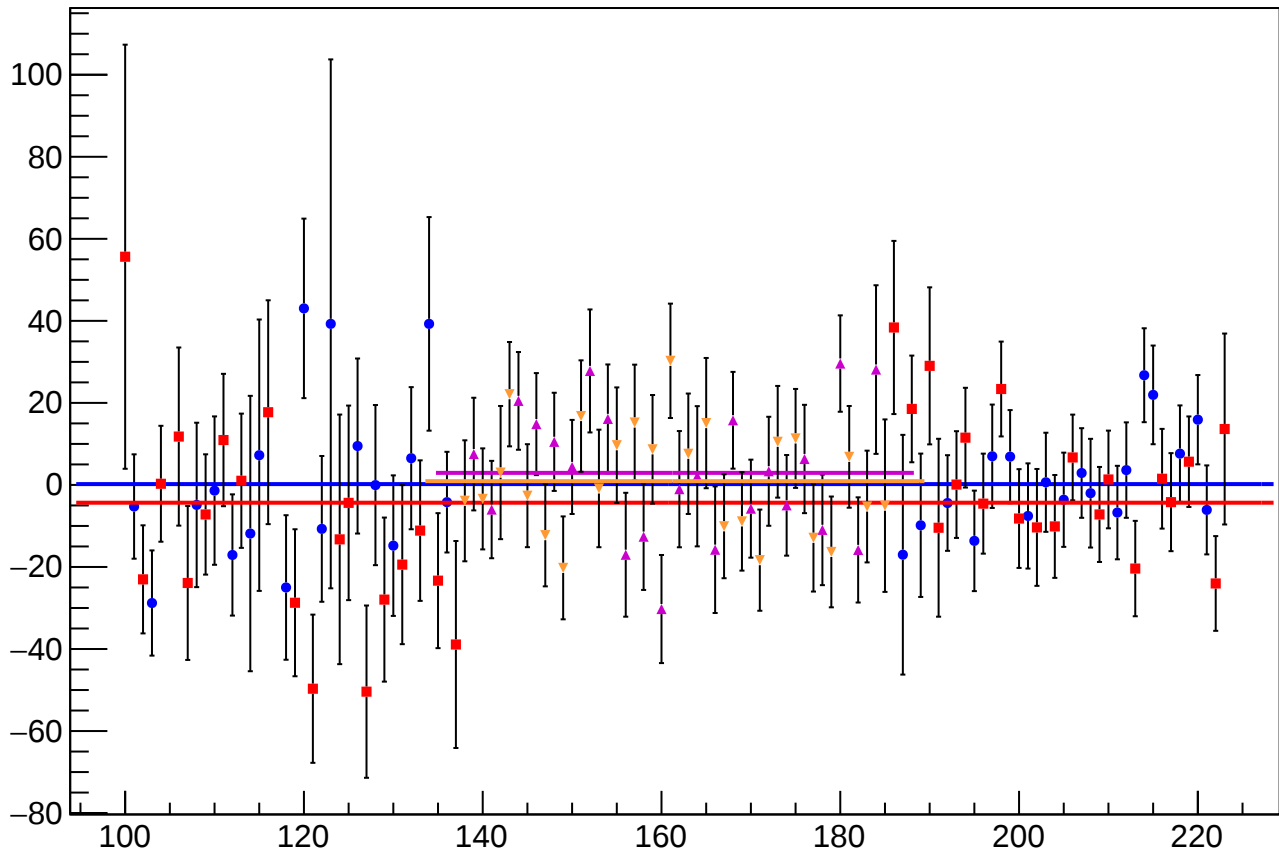
Left In: 177.878+/-0.031 χ^2/NDF : 1644086.7/22

+ sign 183.431+/-0.022 χ^2/NDF : 4378352.7/59

All: 179.475+/-0.015 χ^2/NDF : 9374131.1/123

- sign 175.746+/-0.021 χ^2/NDF : 4931793.5/61

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: 0.203 ± 2.401 χ^2/NDF : 32.2/34

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -4.333 ± 2.389 χ^2/NDF : 51.4/38

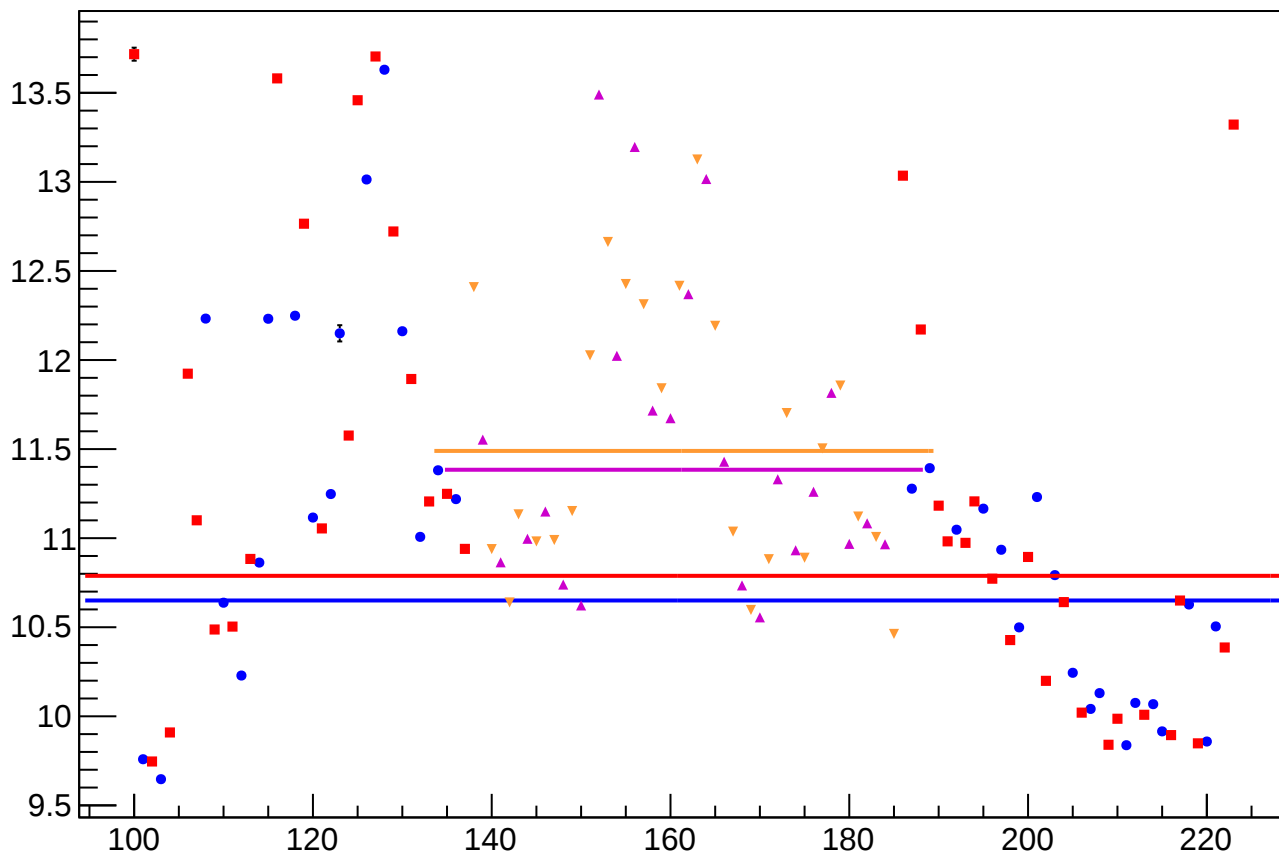
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign 0.520 ± 1.793 χ^2/NDF : 56.3/59

All: -0.335 ± 1.271 χ^2/NDF : 143.2/121

- sign -1.198 ± 1.802 χ^2/NDF : 86.5/61

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.650 $\pm$ 0.002 χ^2 /NDF: 221502.6/34

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 10.789 $\pm$ 0.002 χ^2 /NDF: 322046.0/38

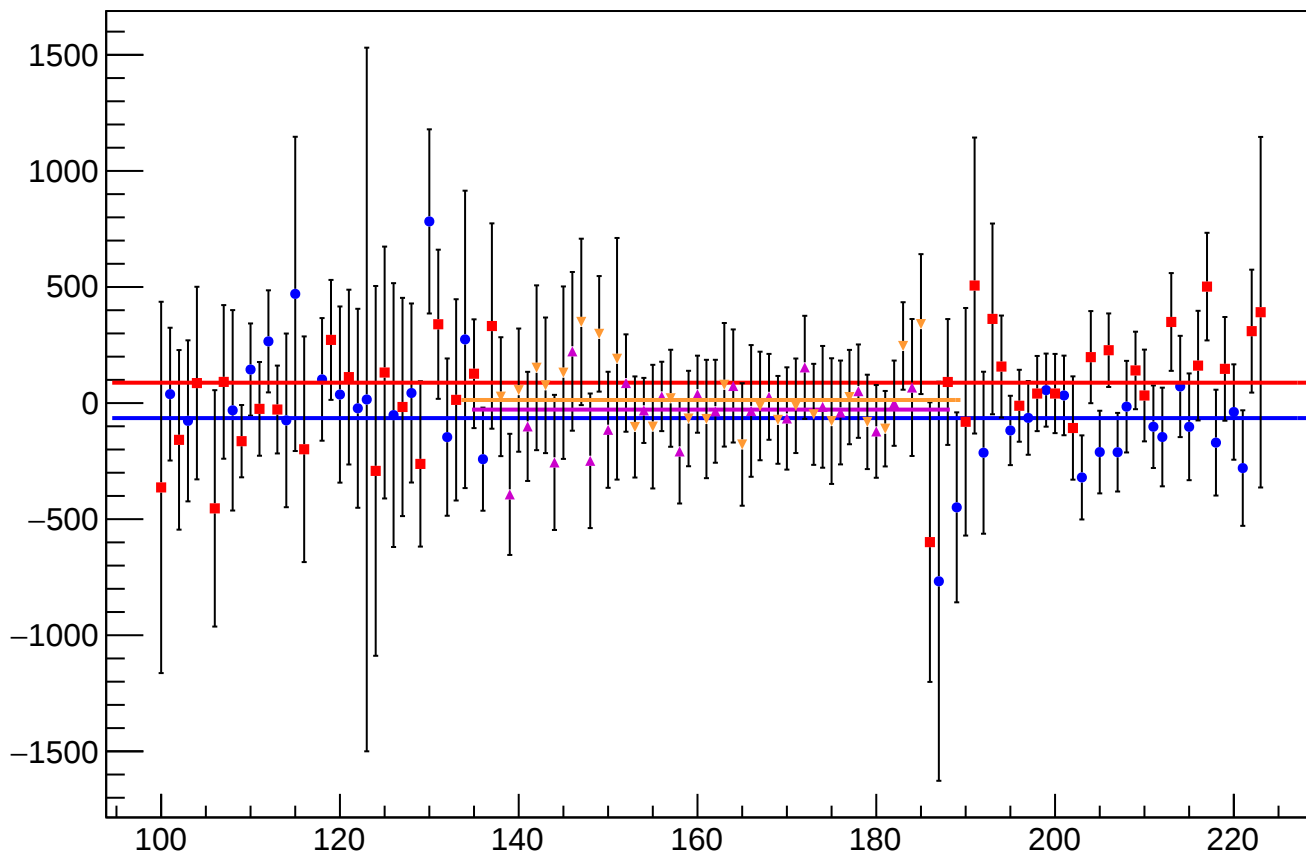
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.022 $\pm$ 0.001 χ^2 /NDF: 462065.9/59

All: 11.033 $\pm$ 0.001 χ^2 /NDF: 987657.9/121

- sign 11.045 $\pm$ 0.001 χ^2 /NDF: 525418.6/61

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -64.676 ± 40.625 χ^2/NDF : 18.1/34

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 87.800 ± 40.532 χ^2/NDF : 19.0/38

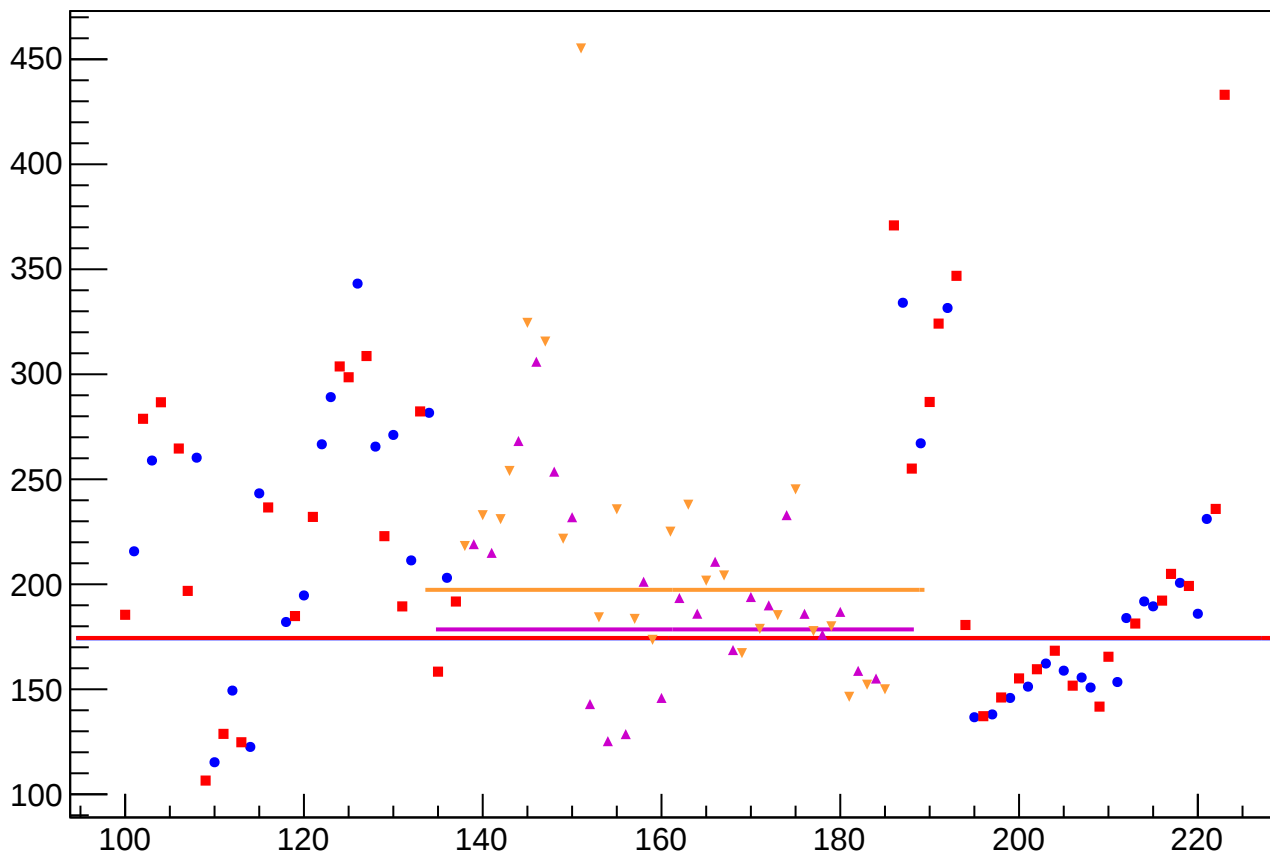
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign -31.854 ± 30.918 χ^2/NDF : 27.5/59

All: 2.815 ± 21.538 χ^2/NDF : 59.3/121

- sign 35.502 ± 30.021 χ^2/NDF : 29.3/61

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 174.260 $\pm$ 0.029 χ^2 /NDF: 2313618.6/34

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF:1790824.5/24

Right Out: 174.448 $\pm$ 0.029 χ^2 /NDF: 3275688.4/38

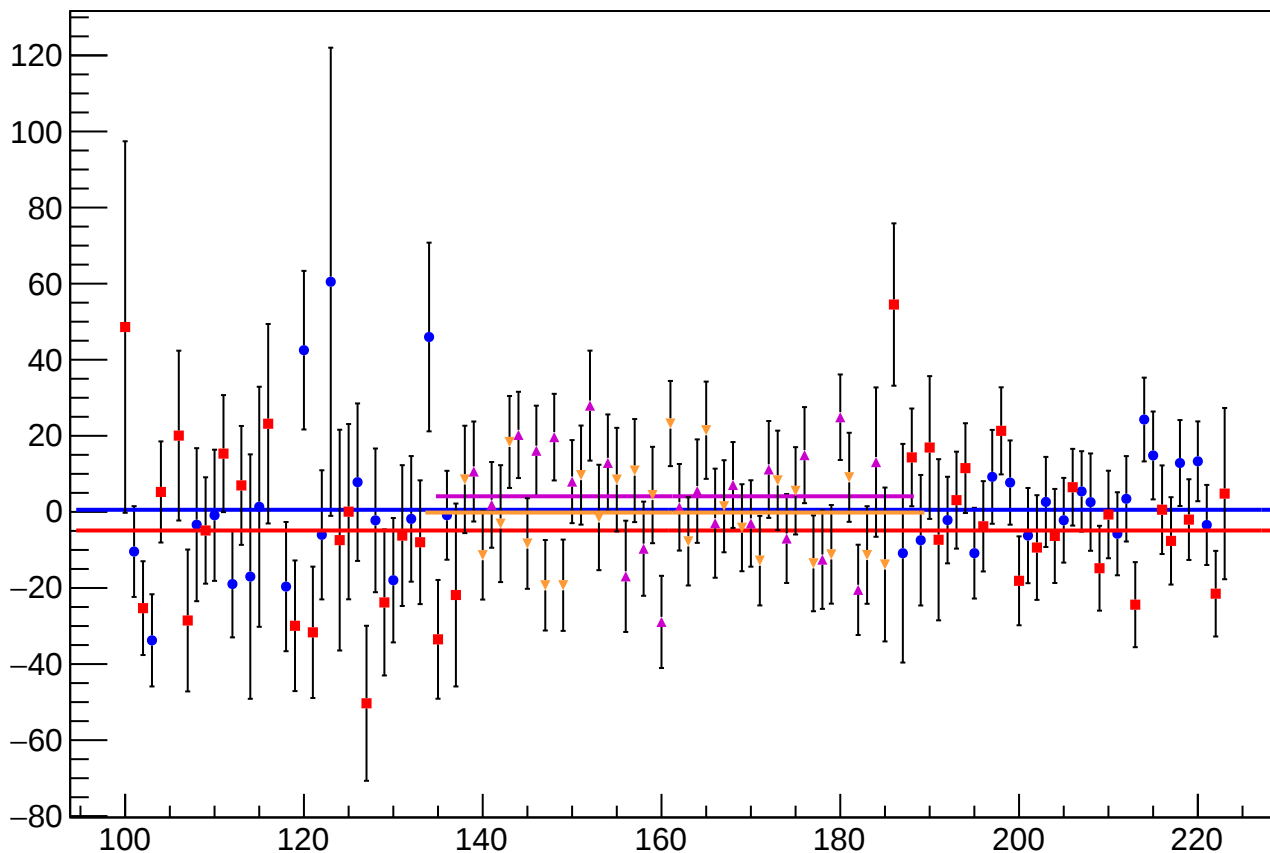
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

+ sign 183.978 $\pm$ 0.022 χ^2 /NDF: 4376437.3/59

All: 180.017 $\pm$ 0.015 χ^2 /NDF: 9367288.5/123

- sign 176.283 $\pm$ 0.021 χ^2 /NDF: 4927069.8/61

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: 0.554 ± 2.316 χ^2/NDF : 34.8/34

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -4.889 ± 2.309 χ^2/NDF : 53.5/38

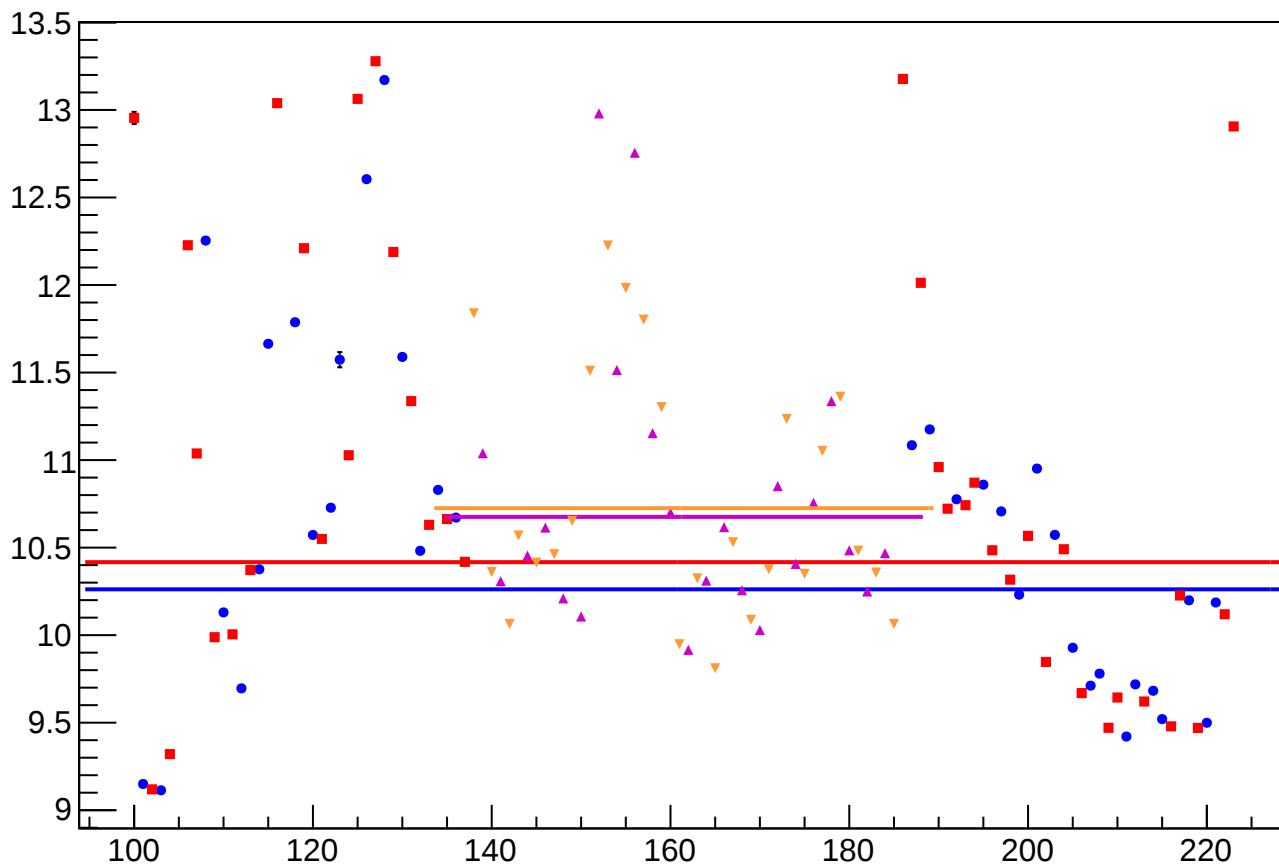
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign 0.223 ± 1.705 χ^2/NDF : 59.2/59

All: -0.326 ± 1.211 χ^2/NDF : 151.2/121

- sign -0.884 ± 1.720 χ^2/NDF : 91.8/61

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.262 $\pm$ 0.002 χ^2/NDF : 249053.6/34

Left Out: 10.725 $\pm$ 0.002 χ^2/NDF :132170.8/24

Right Out: 10.417 $\pm$ 0.002 χ^2/NDF : 365986.8/38

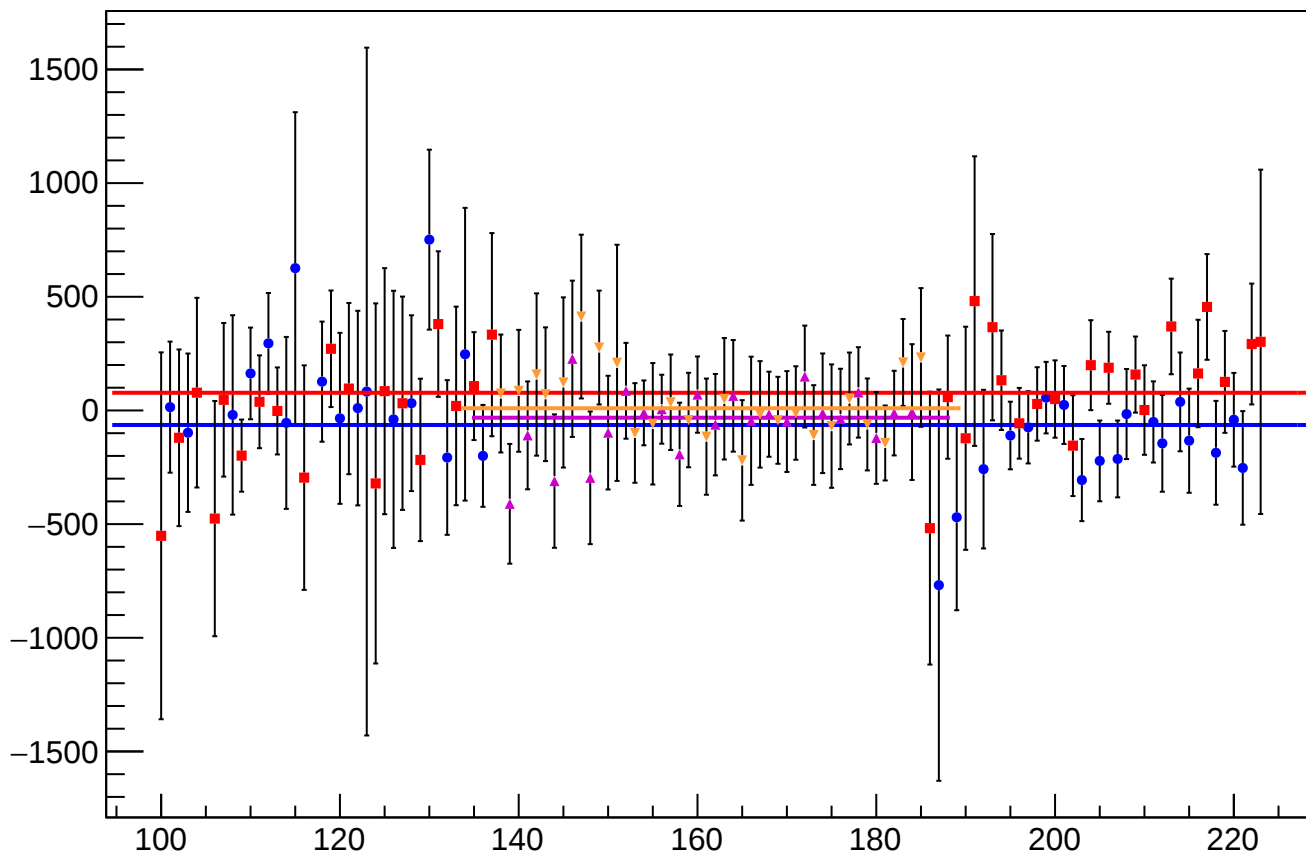
Left In: 10.675 $\pm$ 0.002 χ^2/NDF :145938.2/22

+ sign 10.474 $\pm$ 0.001 χ^2/NDF : 417942.5/59

All: 10.503 $\pm$ 0.001 χ^2/NDF : 942177.5/121

- sign 10.532 $\pm$ 0.001 χ^2/NDF : 523086.4/61

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -63.889 ± 40.689 χ^2/NDF : 18.3/34

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 77.795 ± 40.651 χ^2/NDF : 19.4/38

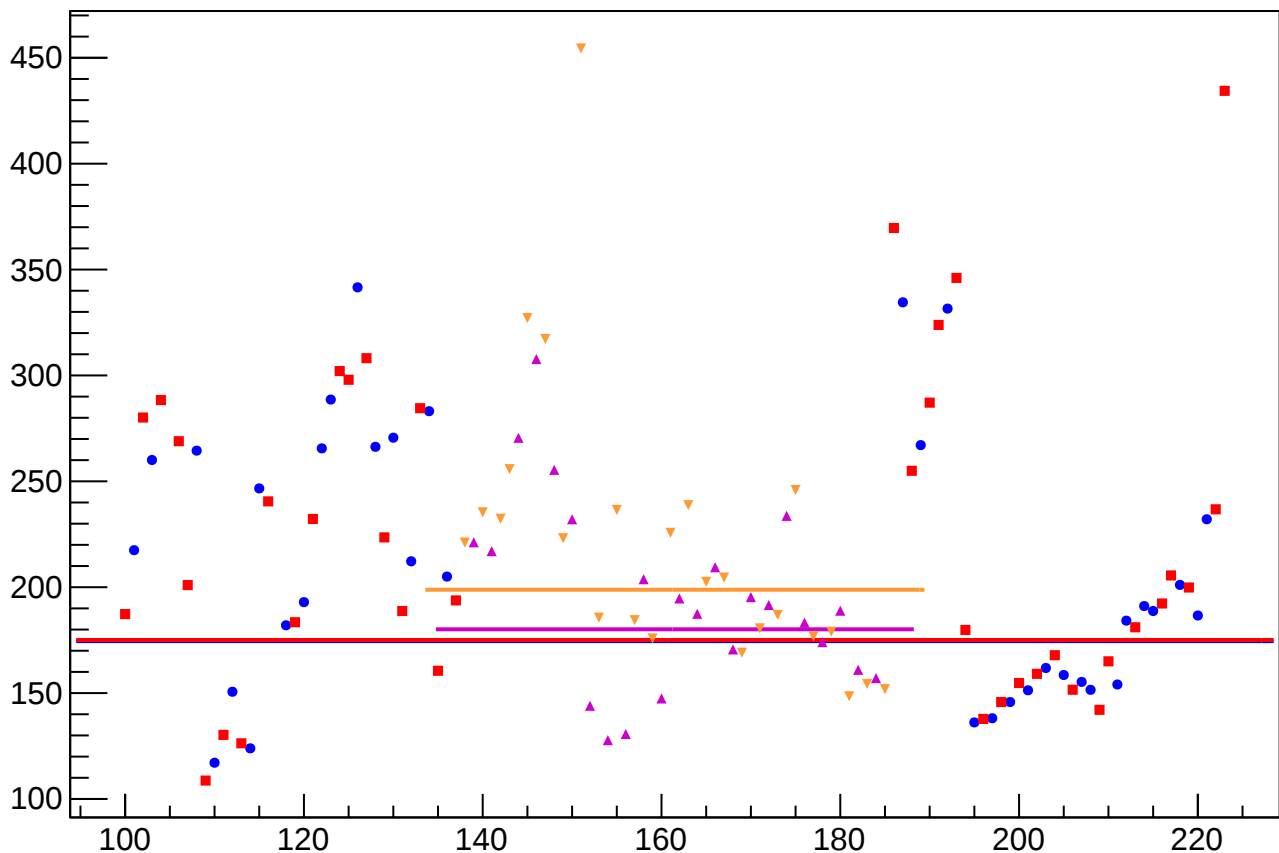
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -33.061 ± 31.032 χ^2/NDF : 27.2/59

All: -1.416 ± 21.634 χ^2/NDF : 59.1/121

- sign 28.509 ± 30.177 χ^2/NDF : 29.9/61

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.541 $\pm$ 0.029 χ^2 /NDF: 2311462.1/34

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF:1763119.1/24

Right Out: 175.080 $\pm$ 0.029 χ^2 /NDF: 3233422.1/38

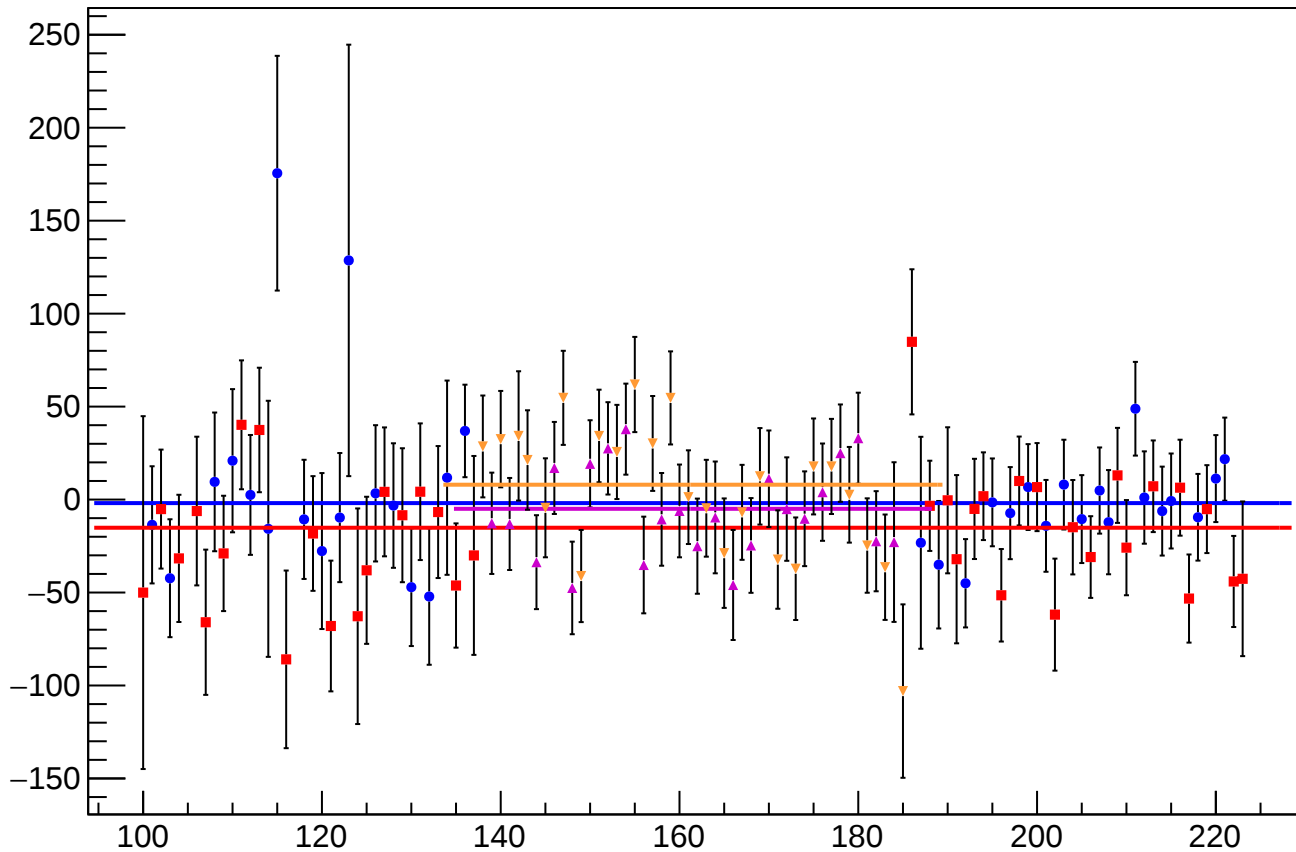
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

+ sign 184.690 $\pm$ 0.022 χ^2 /NDF: 4371990.9/59

All: 180.914 $\pm$ 0.015 χ^2 /NDF: 9270664.4/123

- sign 177.344 $\pm$ 0.021 χ^2 /NDF: 4841080.7/61

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.901 ± 4.922 χ^2/NDF : 29.3/34

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -15.153 ± 4.870 χ^2/NDF : 36.8/38

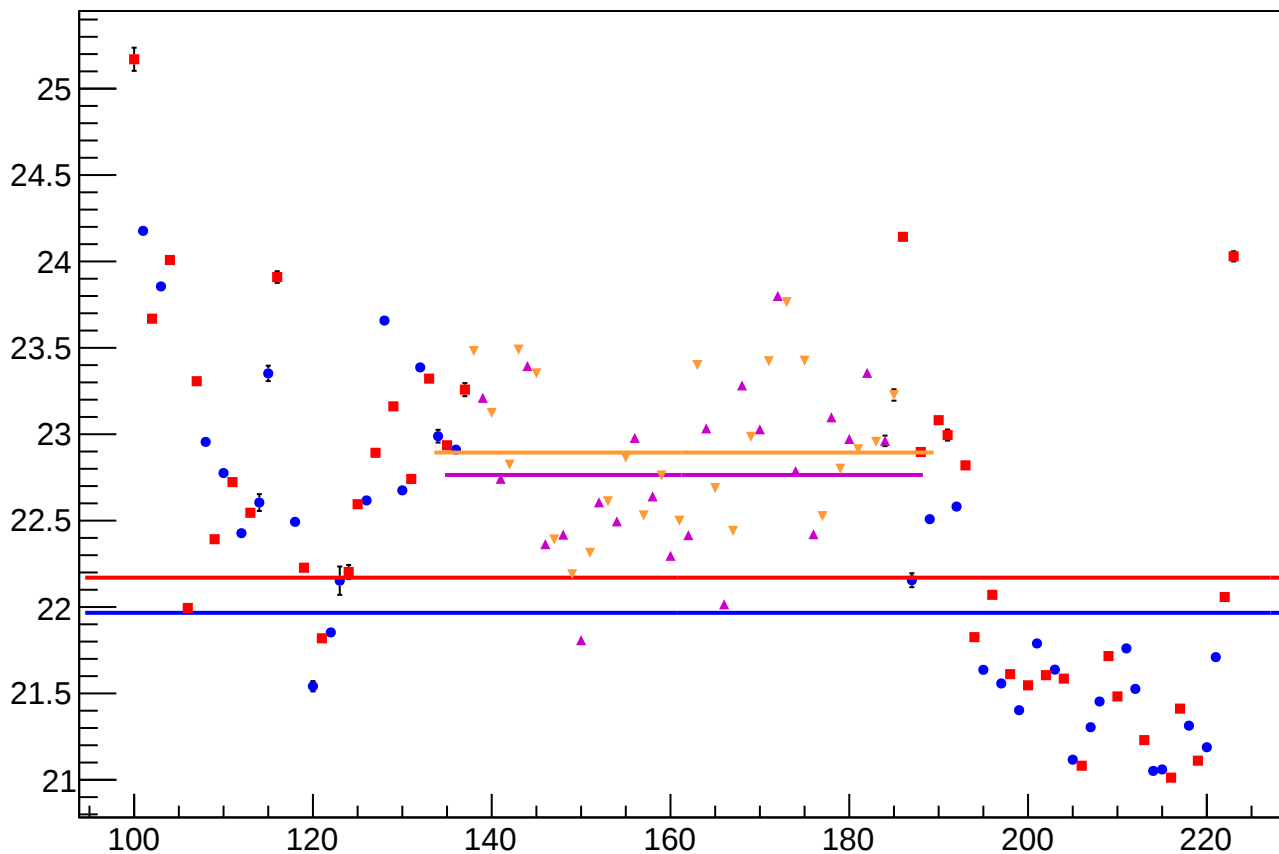
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 2.654 ± 3.615 χ^2/NDF : 68.6/59

All: -3.960 ± 2.561 χ^2/NDF : 134.5/121

- sign -10.628 ± 3.630 χ^2/NDF : 59.2/61

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.966 $\pm$ 0.003 χ^2 /NDF: 54526.1/34

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.170 $\pm$ 0.003 χ^2 /NDF: 63222.2/38

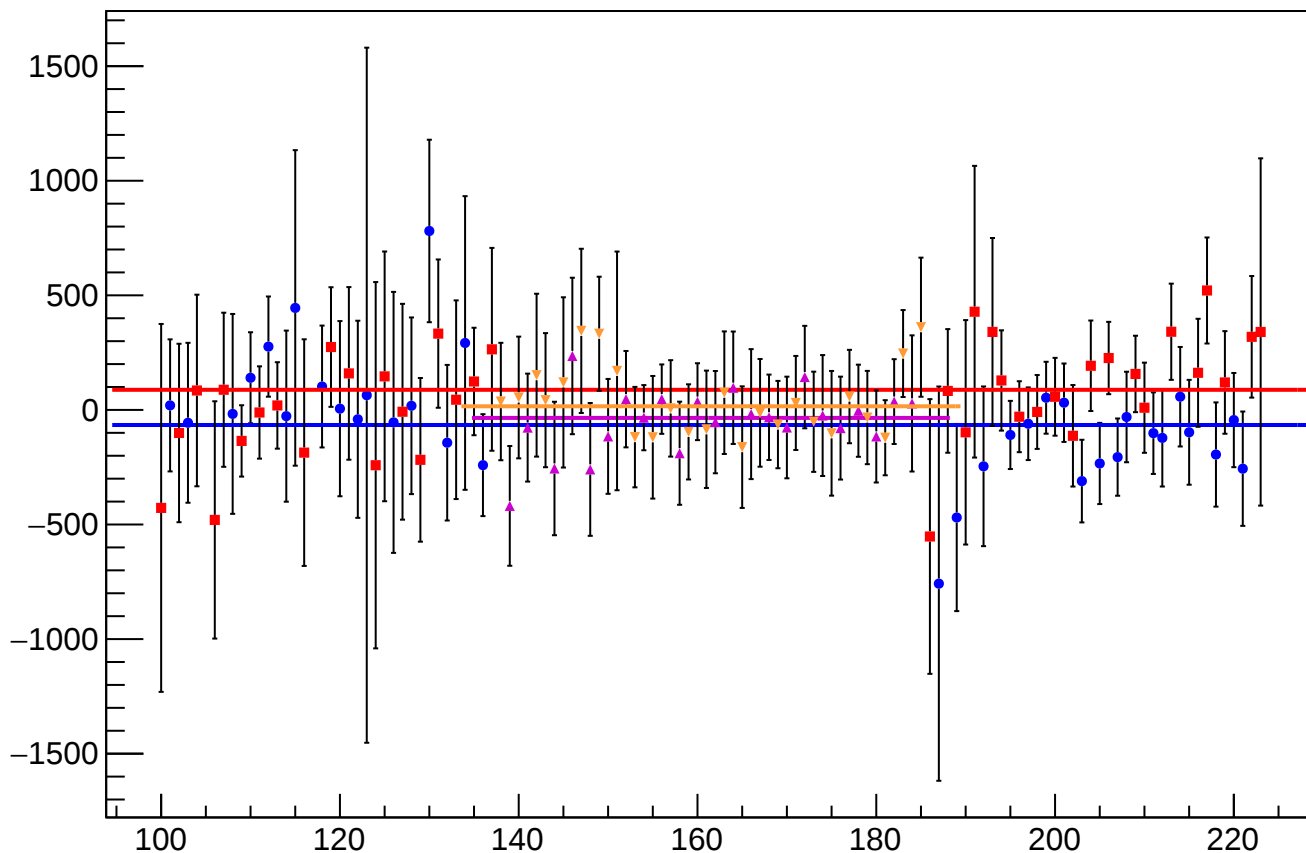
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.394 $\pm$ 0.003 χ^2 /NDF: 100313.8/59

All: 22.414 $\pm$ 0.002 χ^2 /NDF: 191564.9/121

- sign 22.434 $\pm$ 0.003 χ^2 /NDF: 91126.3/61

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -65.803 ± 40.575 $\chi^2/\text{NDF}: 17.9/34$

Left Out: 15.904 ± 47.898 $\chi^2/\text{NDF}: 8.4/24$

Right Out: 87.760 ± 40.488 $\chi^2/\text{NDF}: 18.0/38$

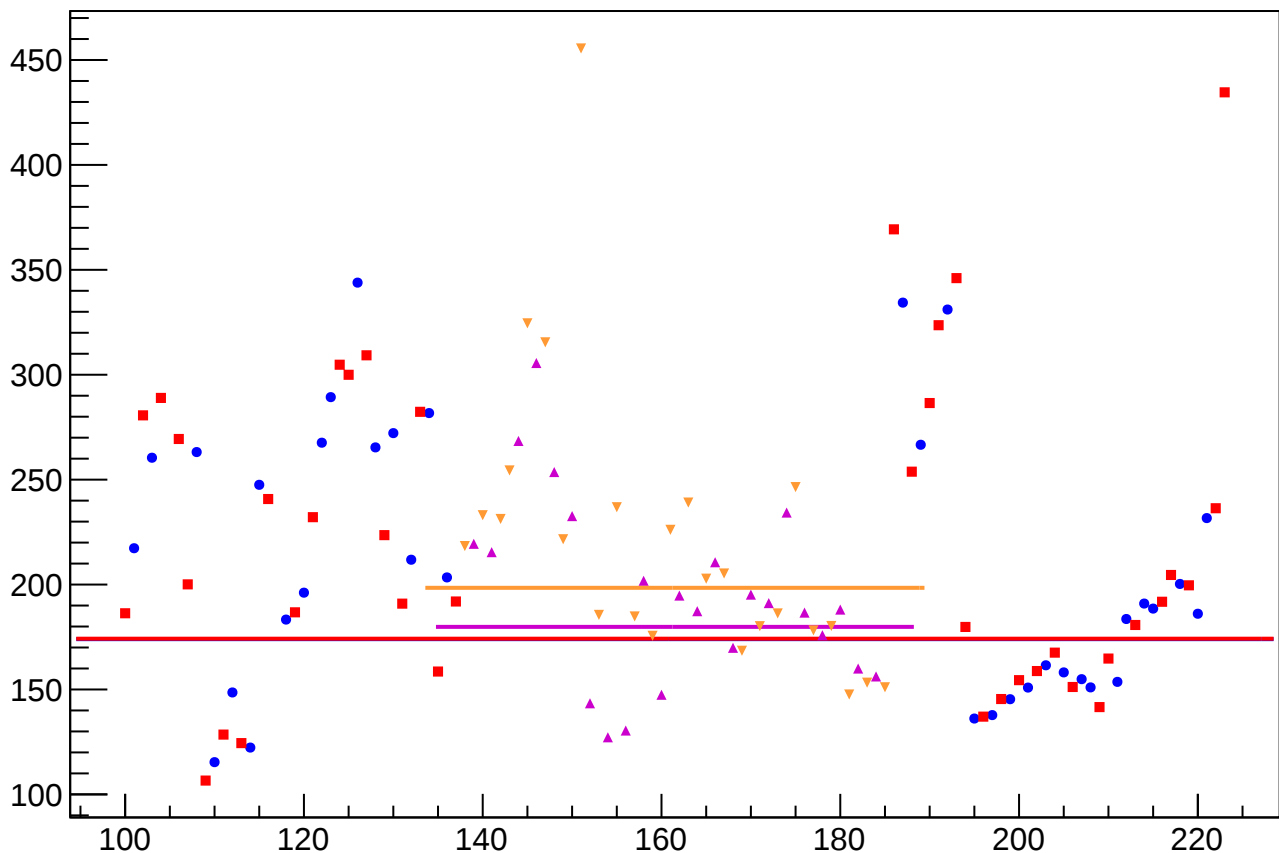
Left In: -34.919 ± 44.971 $\chi^2/\text{NDF}: 6.6/22$

+ sign -31.667 ± 30.960 $\chi^2/\text{NDF}: 28.0/59$

All: 1.505 ± 21.578 $\chi^2/\text{NDF}: 58.9/121$

- sign 32.837 ± 30.090 $\chi^2/\text{NDF}: 28.7/61$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.985 $\pm$ 0.029 χ^2 /NDF: 2343531.5/34

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF:1761433.9/24

Right Out: 174.200 $\pm$ 0.029 χ^2 /NDF: 3307855.5/38

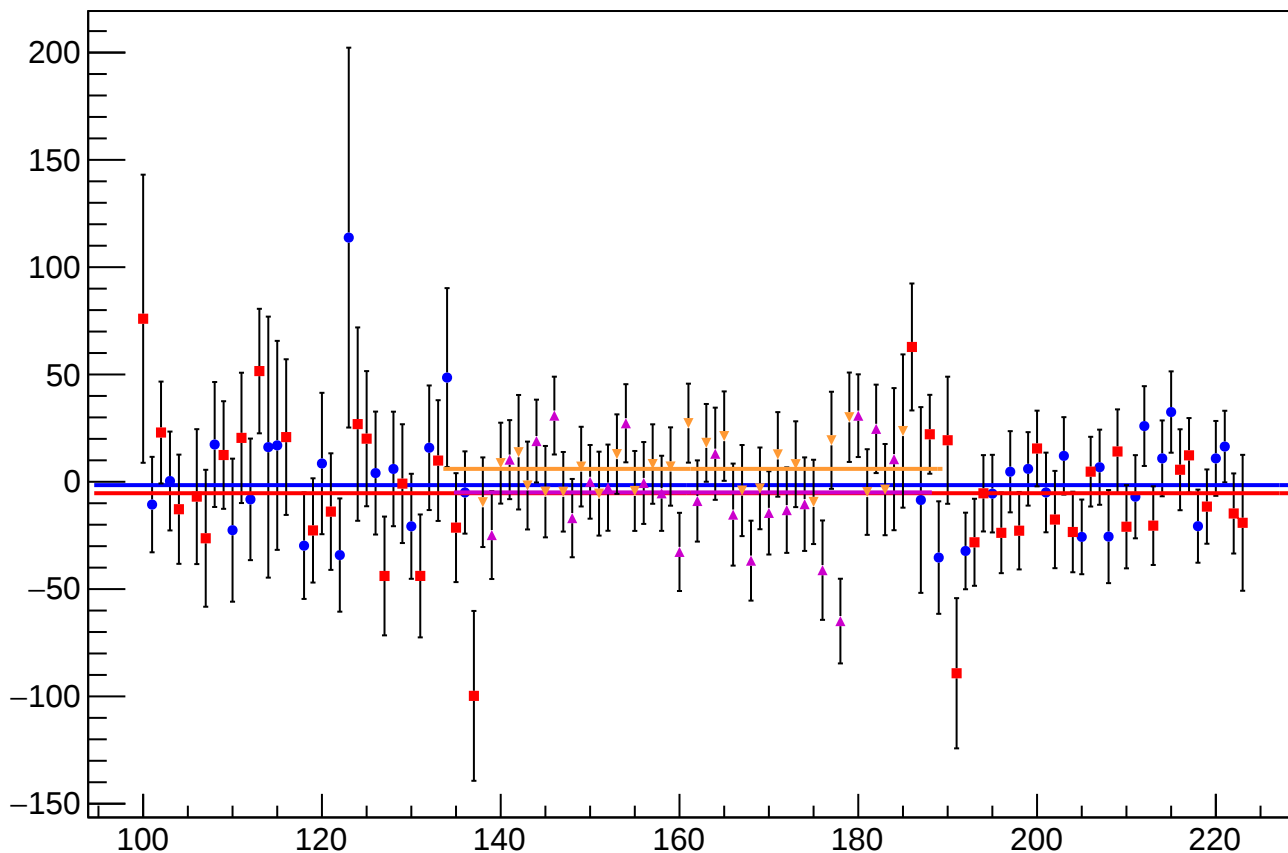
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF:1588834.3/22

+ sign 184.206 $\pm$ 0.022 χ^2 /NDF: 4408739.5/59

All: 180.359 $\pm$ 0.015 χ^2 /NDF: 9382856.7/123

- sign 176.725 $\pm$ 0.021 χ^2 /NDF: 4914057.5/61

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.555 ± 3.733 χ^2/NDF : 26.4/34

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -5.326 ± 3.703 χ^2/NDF : 45.3/38

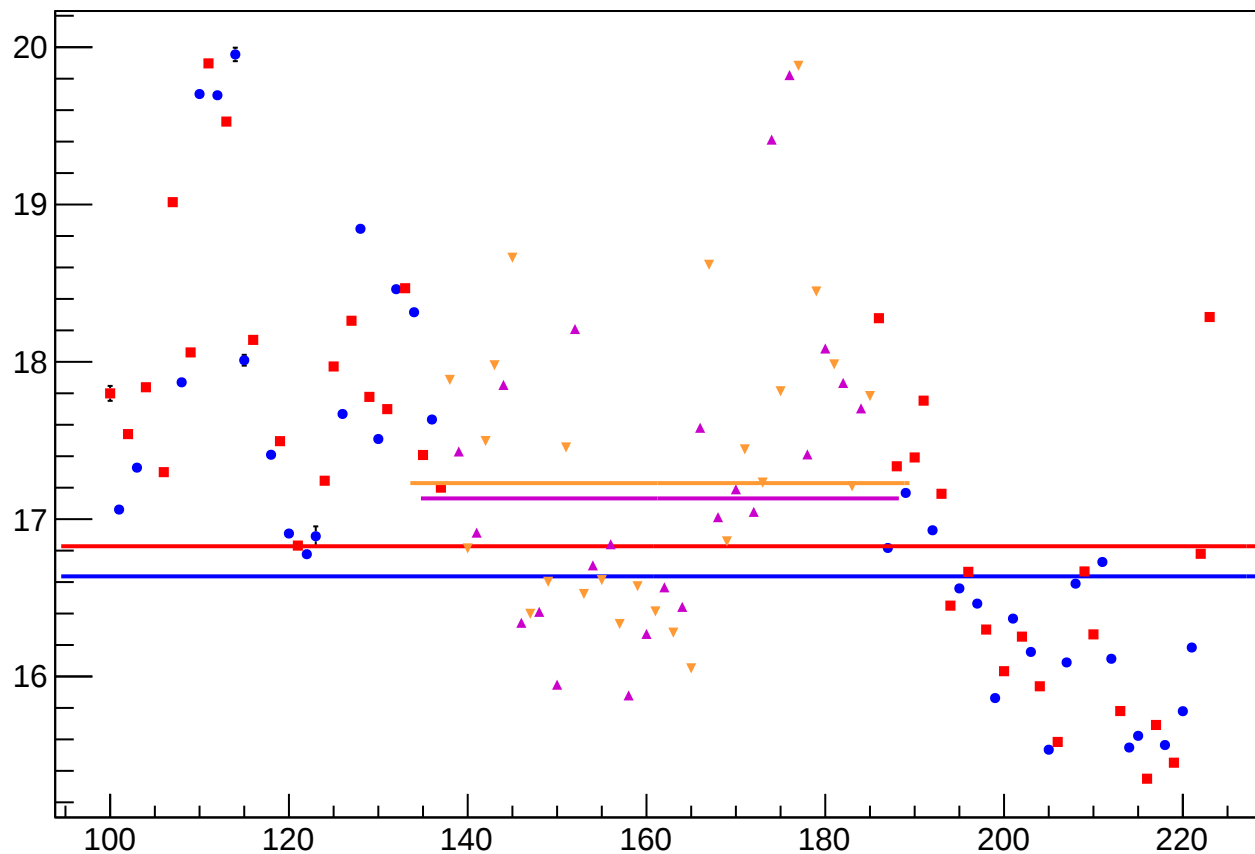
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 1.955 ± 2.735 χ^2/NDF : 36.4/59

All: -1.579 ± 1.939 χ^2/NDF : 120.0/121

- sign -5.154 ± 2.750 χ^2/NDF : 80.2/61

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.636 $\pm$ 0.003 χ^2 /NDF: 138168.4/34

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF:98624.7/24

Right Out: 16.828 $\pm$ 0.003 χ^2 /NDF: 161757.5/38

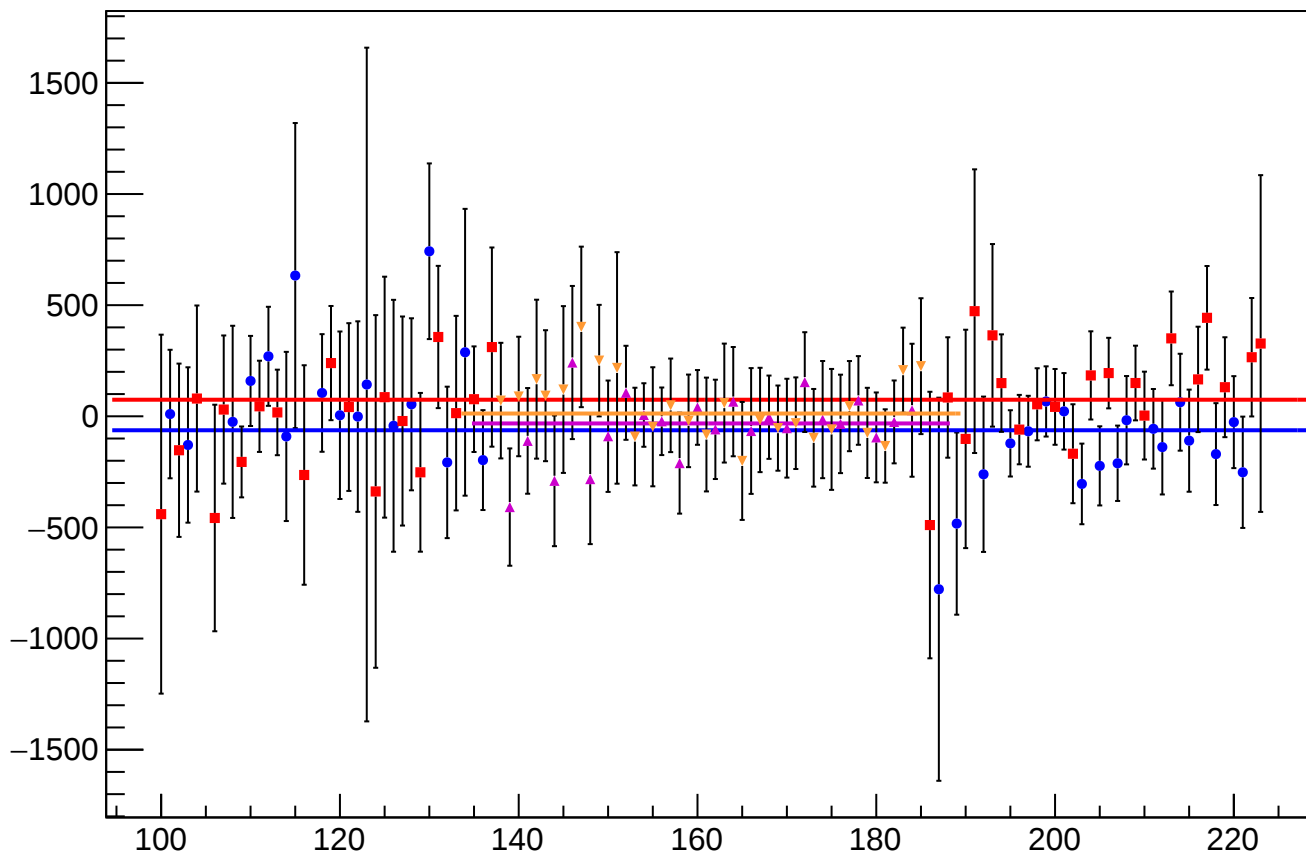
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF:103997.3/22

+ sign 16.911 $\pm$ 0.002 χ^2 /NDF: 260158.2/59

All: 16.937 $\pm$ 0.001 χ^2 /NDF: 532333.6/121

- sign 16.964 $\pm$ 0.002 χ^2 /NDF: 271801.4/61

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -62.842 ± 40.811 χ^2/NDF : 18.0/34

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 74.557 ± 40.760 χ^2/NDF : 18.4/38

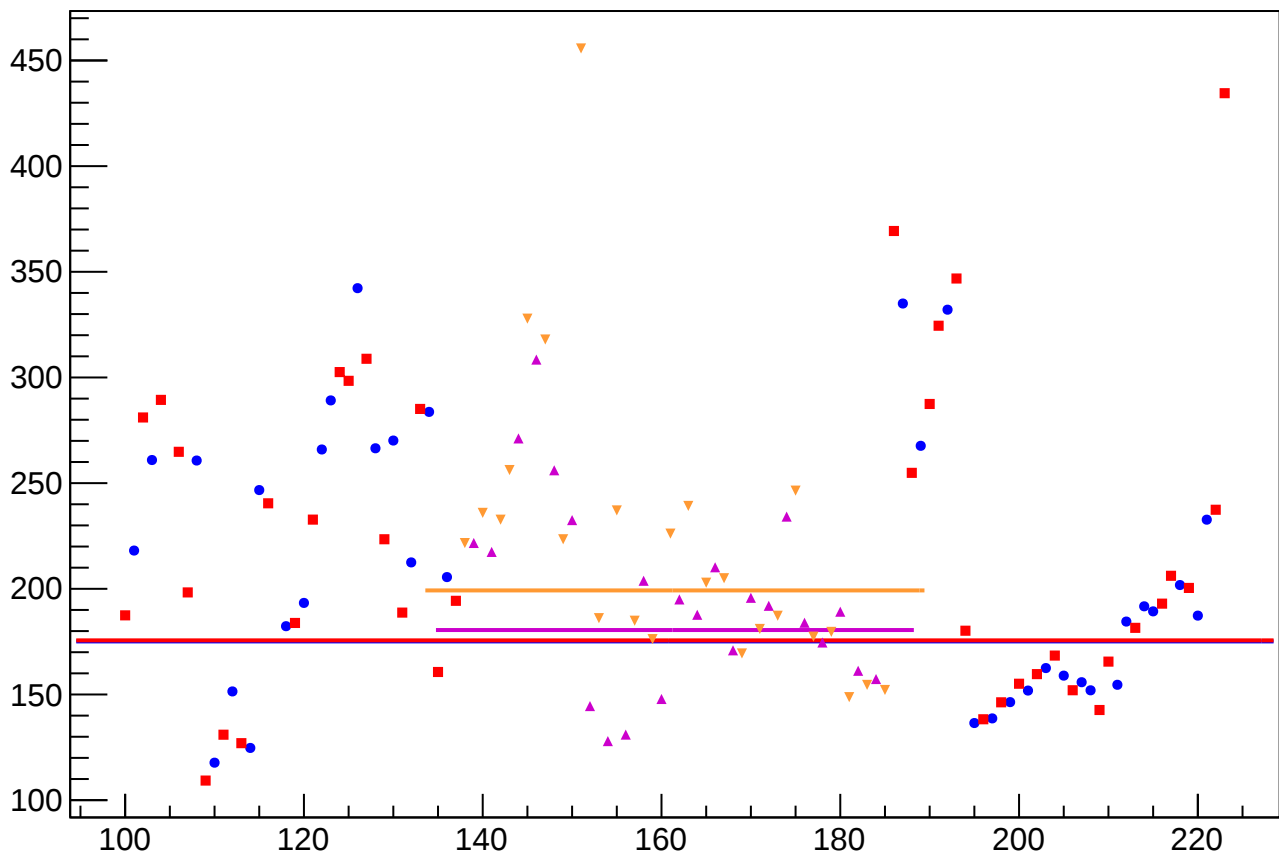
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign -31.306 ± 31.116 χ^2/NDF : 26.3/59

All: -1.527 ± 21.689 χ^2/NDF : 56.5/121

- sign 26.616 ± 30.249 χ^2/NDF : 28.4/61

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.112 $\pm$ 0.029 χ^2 /NDF: 2292872.5/34

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 175.606 $\pm$ 0.029 χ^2 /NDF: 3207633.2/38

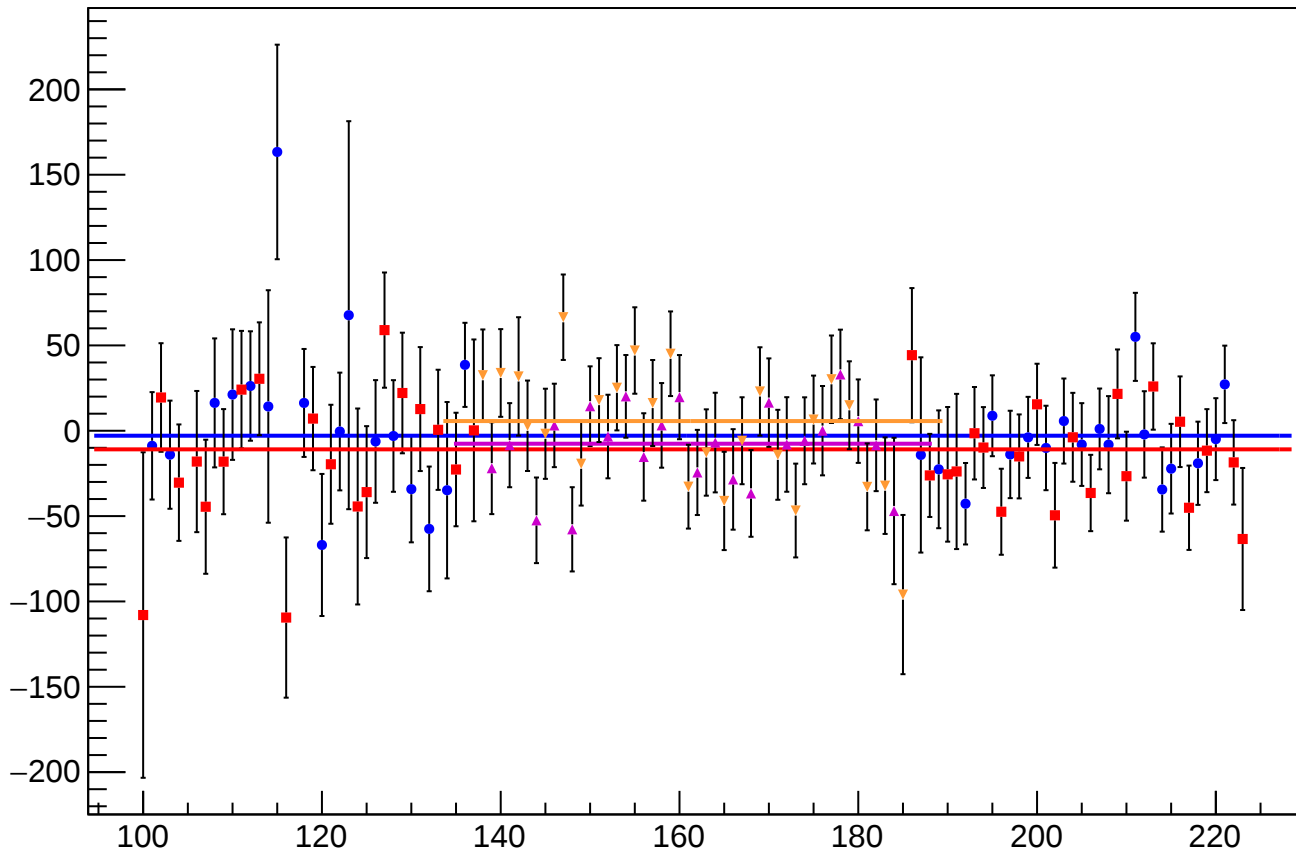
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 185.215 $\pm$ 0.022 χ^2 /NDF: 4349709.2/59

All: 181.404 $\pm$ 0.015 χ^2 /NDF: 9222411.9/123

- sign 177.802 $\pm$ 0.021 χ^2 /NDF: 4814337.1/61

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.907 ± 4.981 χ^2/NDF : 31.6/34

Left Out: 5.673 ± 5.278 χ^2/NDF : 36.4/24

Right Out: -10.898 ± 4.911 χ^2/NDF : 34.2/38

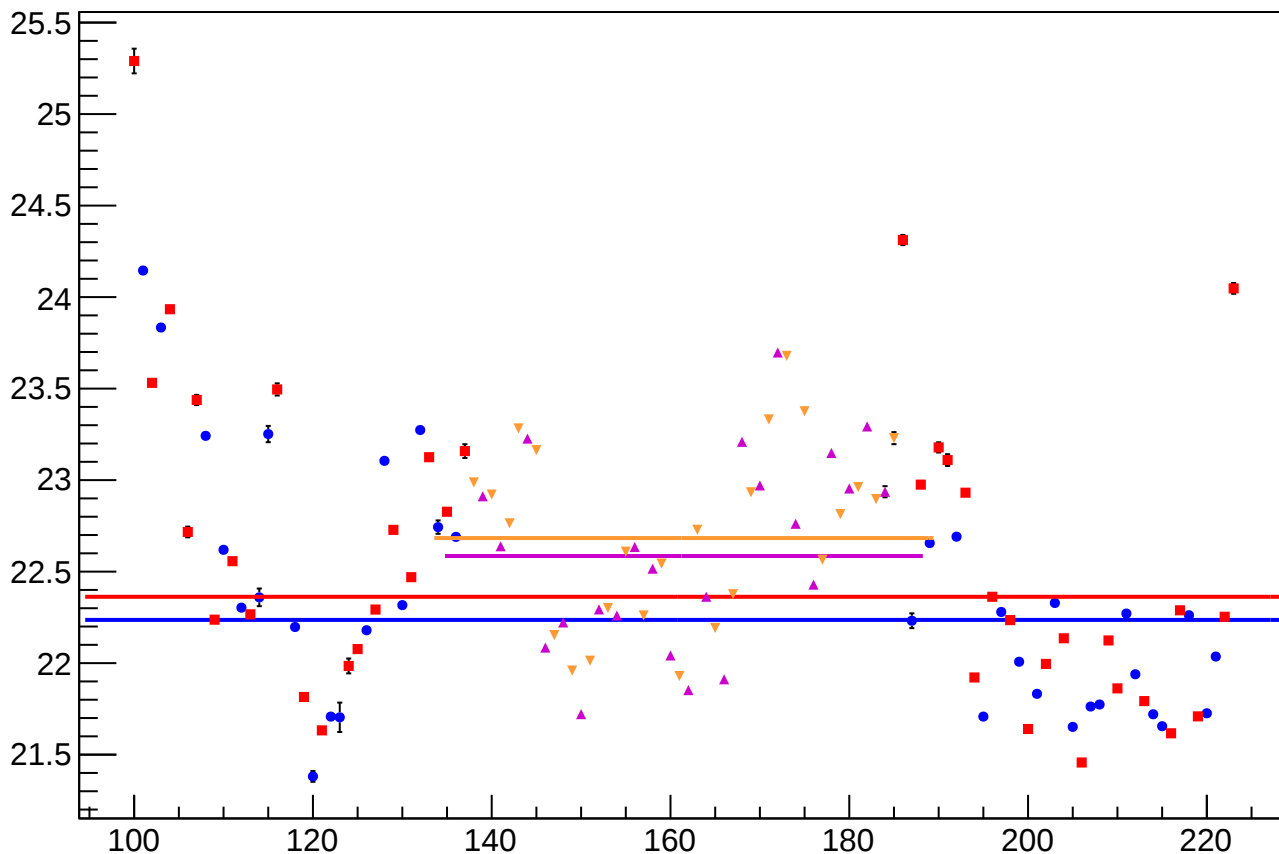
Left In: -7.594 ± 5.402 χ^2/NDF : 18.3/22

+ sign 1.135 ± 3.623 χ^2/NDF : 69.4/59

All: -4.117 ± 2.565 χ^2/NDF : 126.3/121

- sign -9.402 ± 3.634 χ^2/NDF : 52.7/61

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.236 $\pm$ 0.004 χ^2 /NDF: 28331.6/34

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16318.1/24

Right Out: 22.362 $\pm$ 0.003 χ^2 /NDF: 38551.9/38

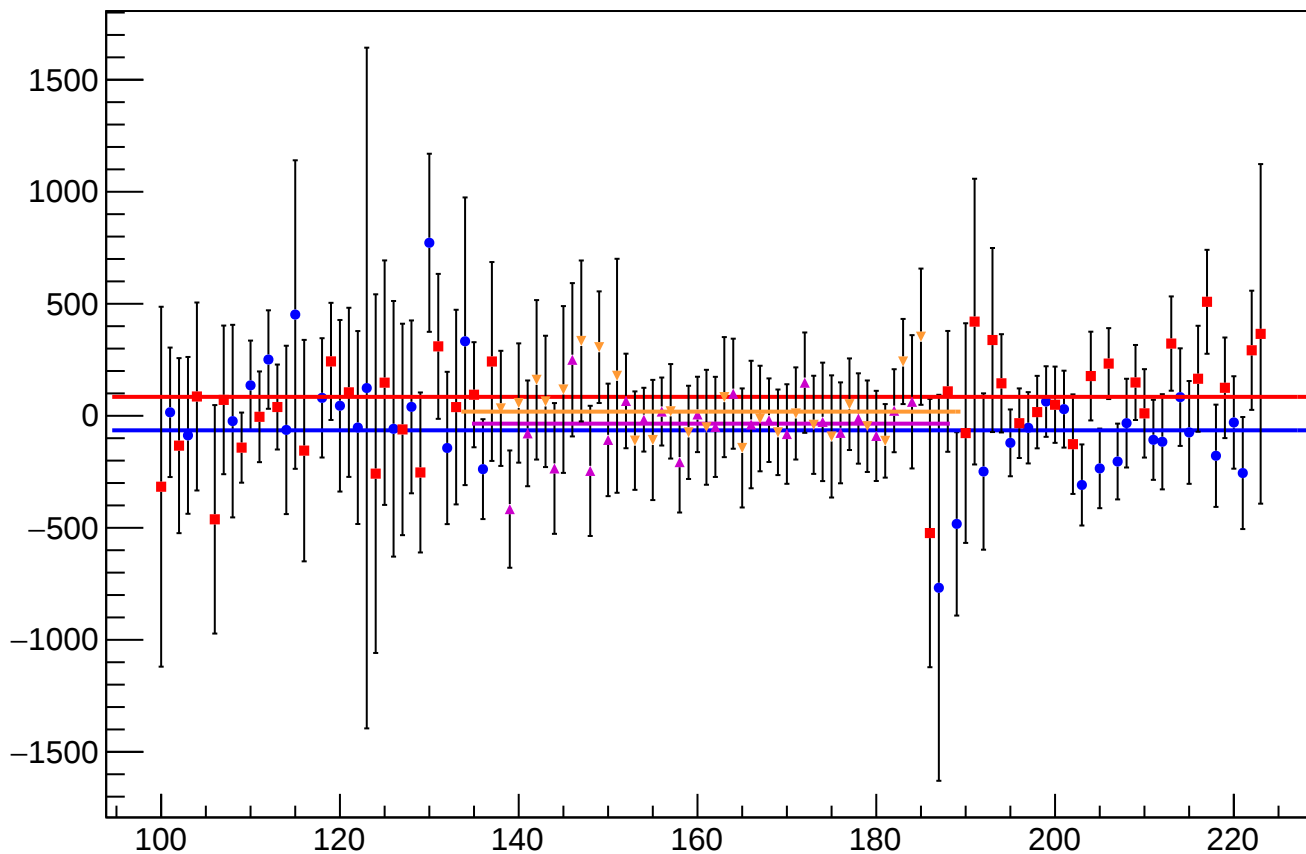
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF:18087.5/22

+ sign 22.447 $\pm$ 0.003 χ^2 /NDF: 52244.2/59

All: 22.455 $\pm$ 0.002 χ^2 /NDF: 110766.7/121

- sign 22.463 $\pm$ 0.003 χ^2 /NDF: 58502.1/61

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -64.821 ± 40.698 $\chi^2/\text{NDF}: 17.6/34$

Left Out: 18.633 ± 48.006 $\chi^2/\text{NDF}: 7.6/24$

Right Out: 84.569 ± 40.598 $\chi^2/\text{NDF}: 17.0/38$

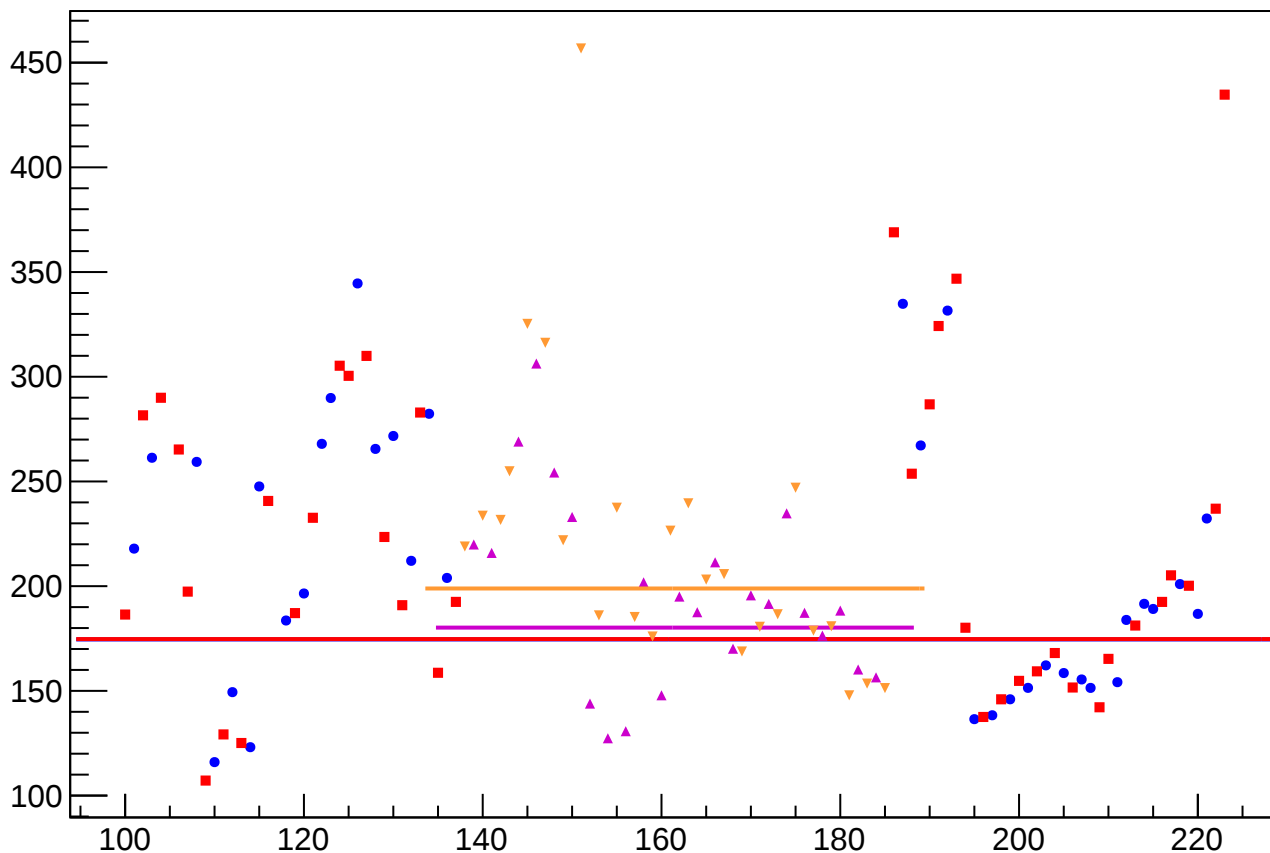
Left In: -35.046 ± 45.063 $\chi^2/\text{NDF}: 6.3/22$

+ sign -29.923 ± 31.044 $\chi^2/\text{NDF}: 27.0/59$

All: 1.405 ± 21.633 $\chi^2/\text{NDF}: 56.1/121$

- sign 30.979 ± 30.162 $\chi^2/\text{NDF}: 27.1/61$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.560 $\pm$ 0.029 χ^2 /NDF: 2324317.6/34

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF: 1762454.6/24

Right Out: 174.732 $\pm$ 0.029 χ^2 /NDF: 3281070.0/38

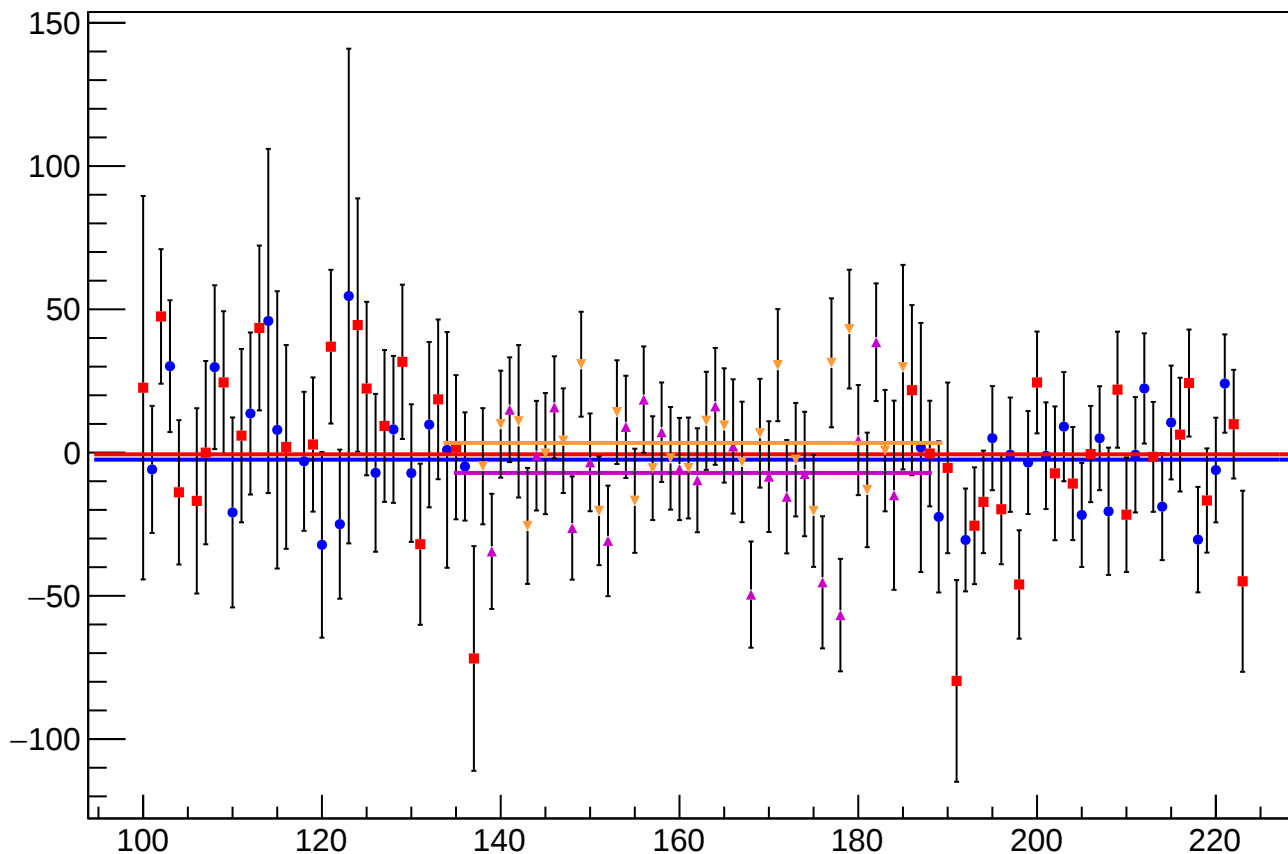
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF: 1589005.4/22

+ sign 184.735 $\pm$ 0.022 χ^2 /NDF: 4385677.8/59

All: 180.851 $\pm$ 0.015 χ^2 /NDF: 9332902.2/123

- sign 177.185 $\pm$ 0.021 χ^2 /NDF: 4886375.0/61

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.461 ± 3.813 χ^2/NDF : 20.3/34

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -0.610 ± 3.761 χ^2/NDF : 42.9/38

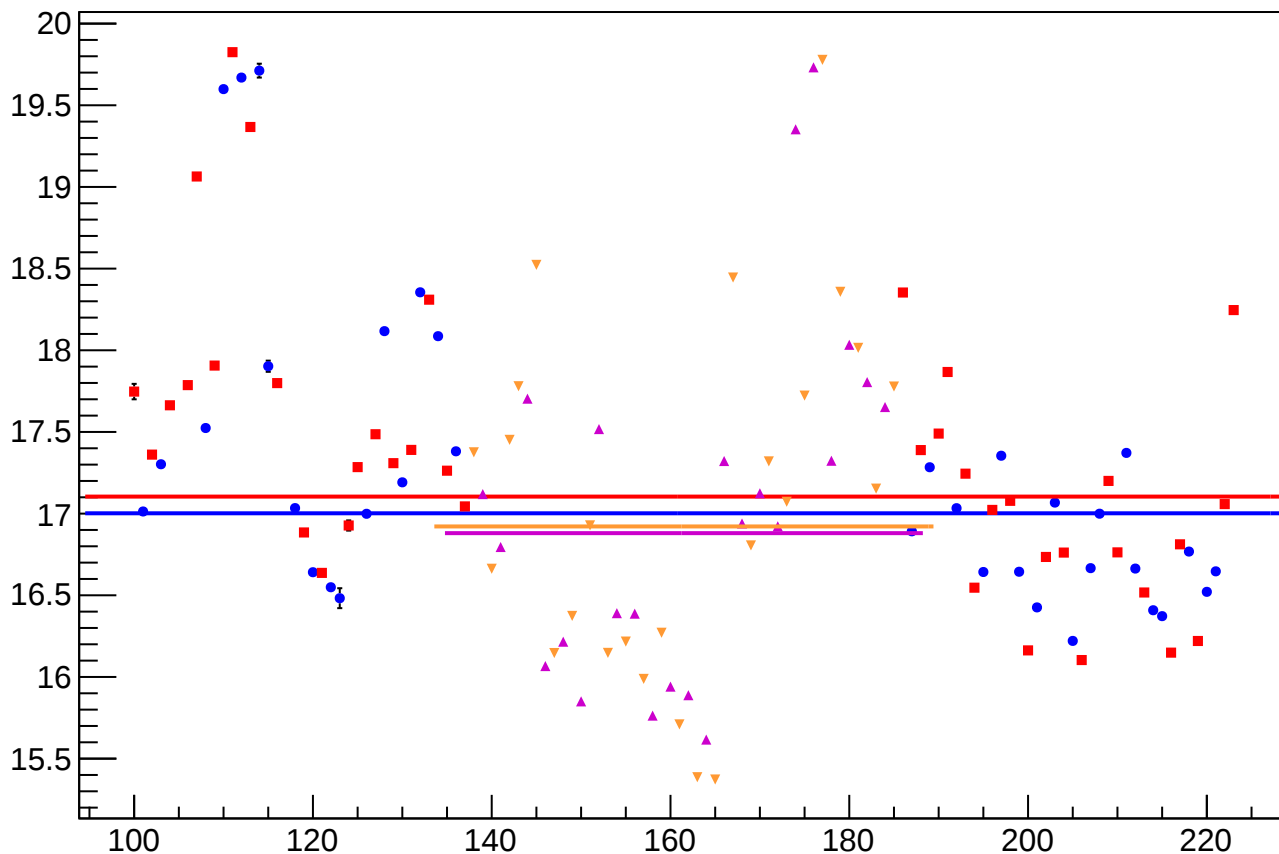
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 0.354 ± 2.742 χ^2/NDF : 40.2/59

All: -1.622 ± 1.944 χ^2/NDF : 118.0/121

- sign -3.617 ± 2.755 χ^2/NDF : 76.8/61

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.002 $\pm$ 0.003 χ^2 /NDF: 63928.7/34

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.104 $\pm$ 0.003 χ^2 /NDF: 82823.1/38

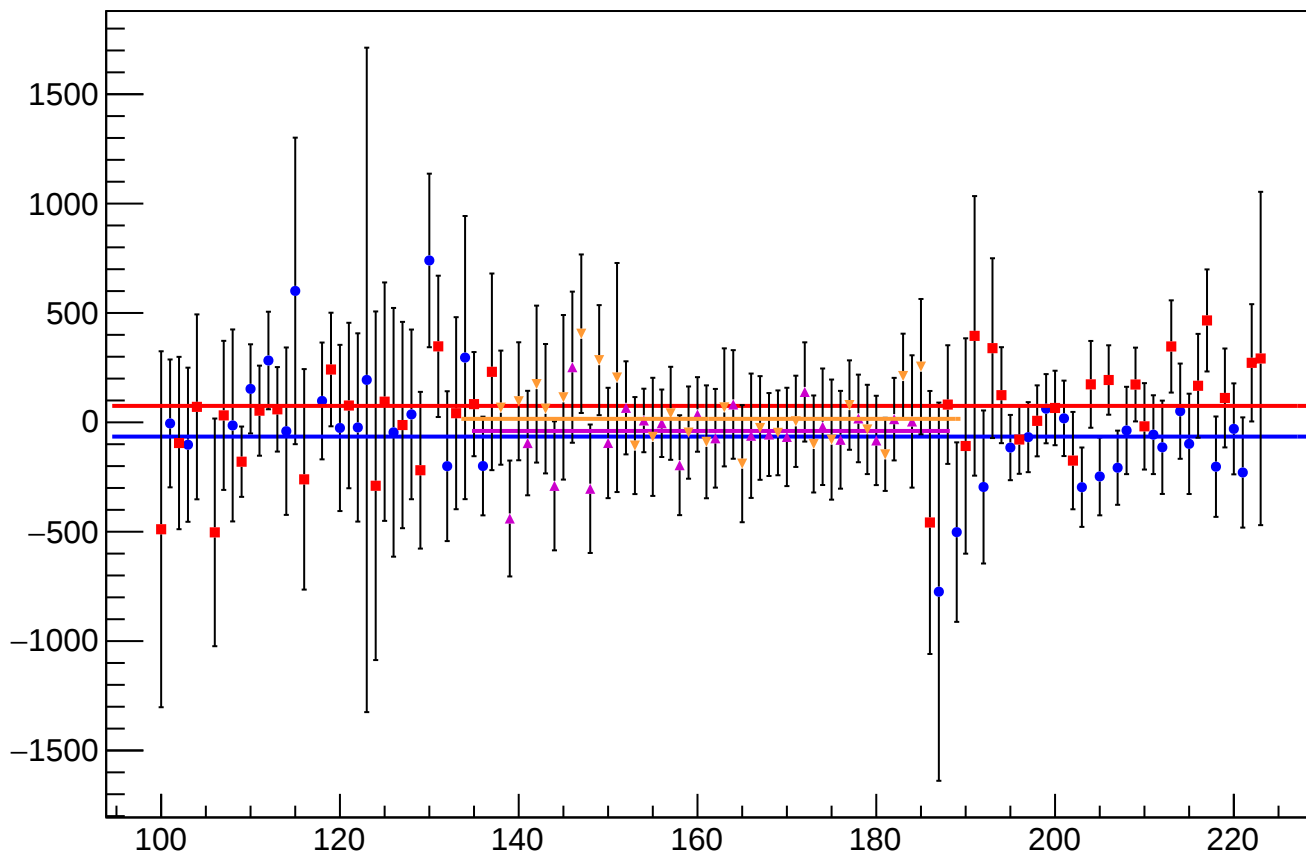
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 16.963 $\pm$ 0.002 χ^2 /NDF: 203350.1/59

All: 16.982 $\pm$ 0.001 χ^2 /NDF: 411376.8/121

- sign 17.001 $\pm$ 0.002 χ^2 /NDF: 207841.4/61

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -65.146 ± 40.924 χ^2/NDF : 17.8/34

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 75.185 ± 40.891 χ^2/NDF : 17.7/38

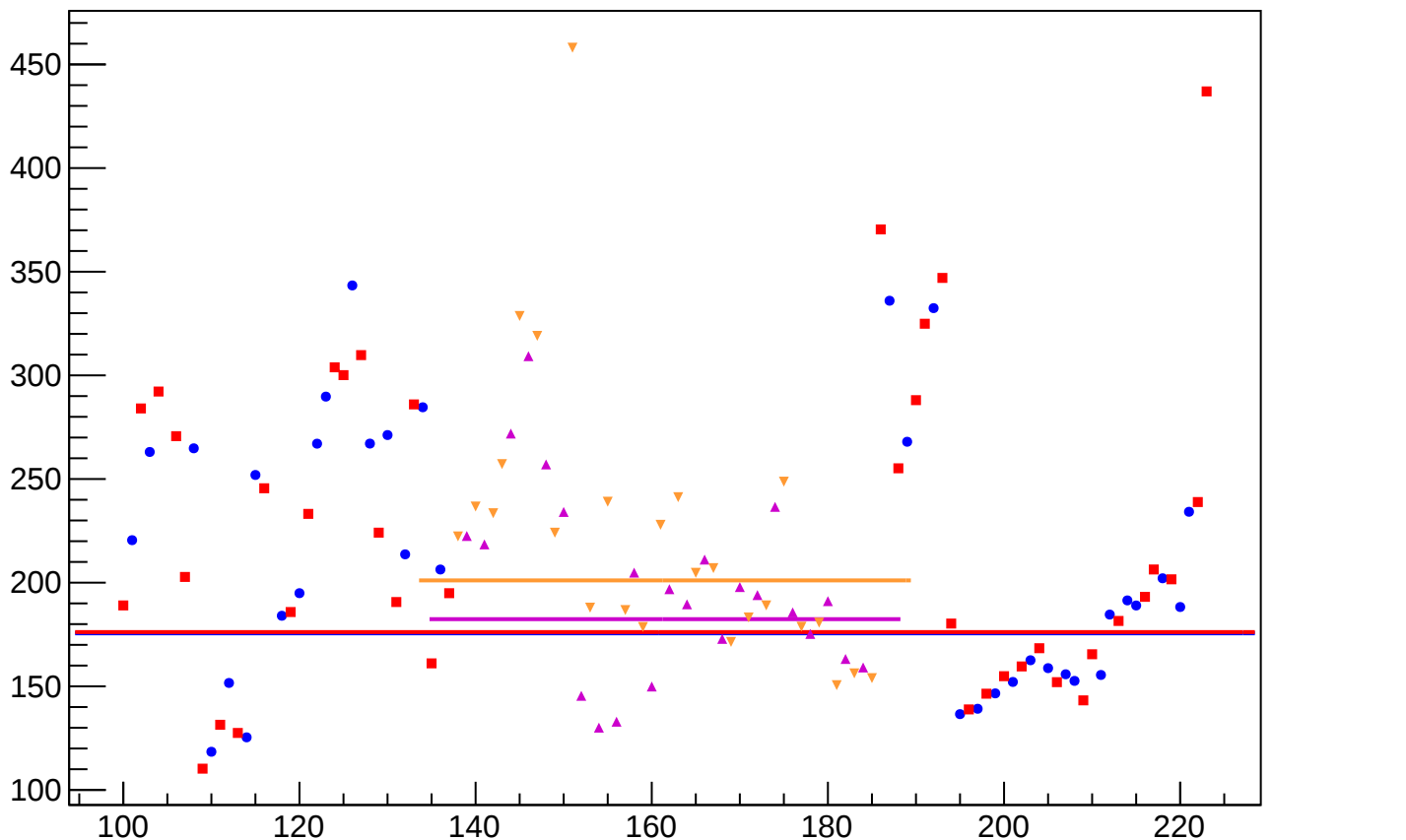
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign -31.414 ± 31.278 χ^2/NDF : 26.8/59

All: -2.905 ± 21.813 χ^2/NDF : 56.5/121

- sign 24.087 ± 30.435 χ^2/NDF : 28.1/61

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.570 $\pm$ 0.029 χ^2 /NDF: 2308018.7/34

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 176.167 $\pm$ 0.029 χ^2 /NDF: 3220169.4/38

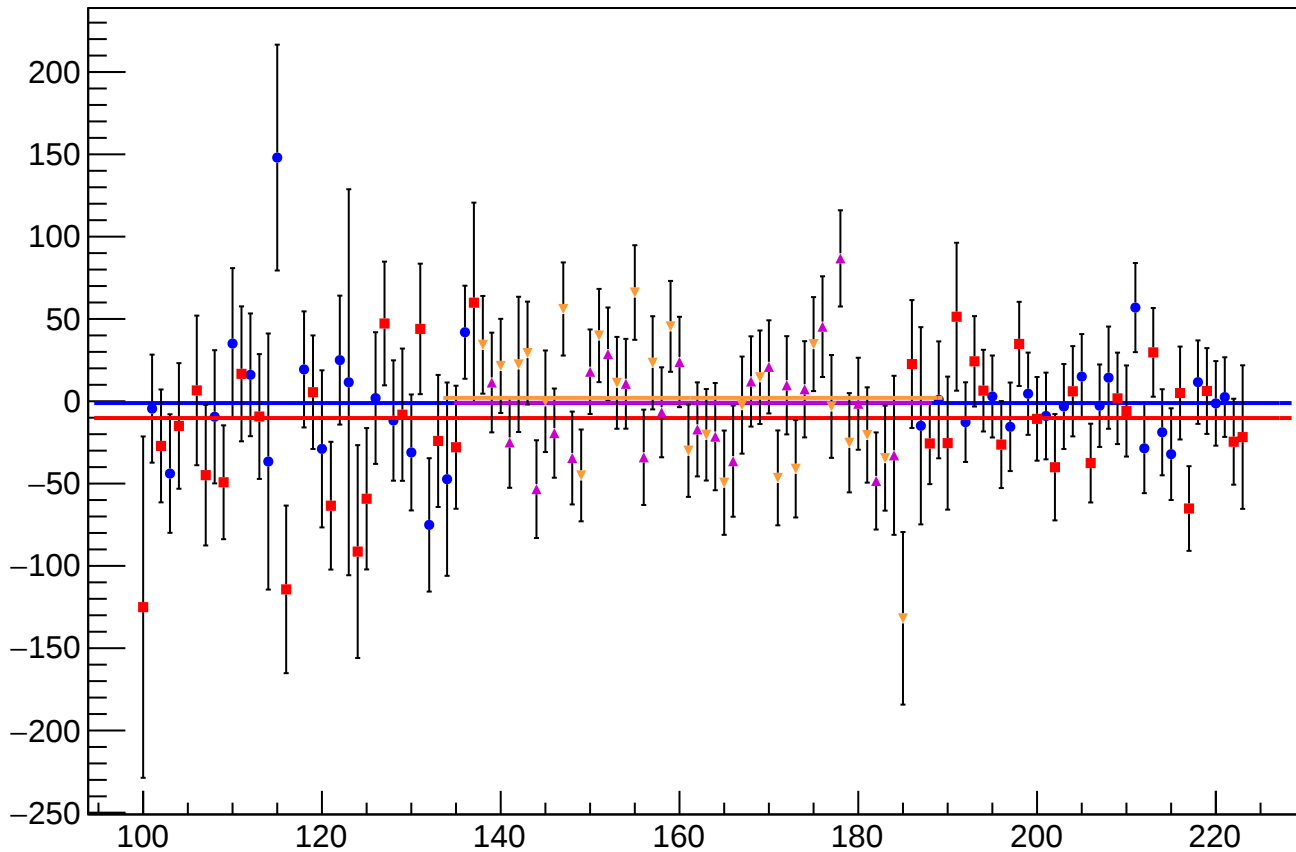
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 186.183 $\pm$ 0.022 χ^2 /NDF: 4362553.7/59

All: 182.465 $\pm$ 0.015 χ^2 /NDF: 9207331.7/123

- sign 178.945 $\pm$ 0.022 χ^2 /NDF: 4789776.6/61

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.092 ± 5.354 χ^2/NDF : 24.4/34

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -10.187 ± 5.259 χ^2/NDF : 38.2/38

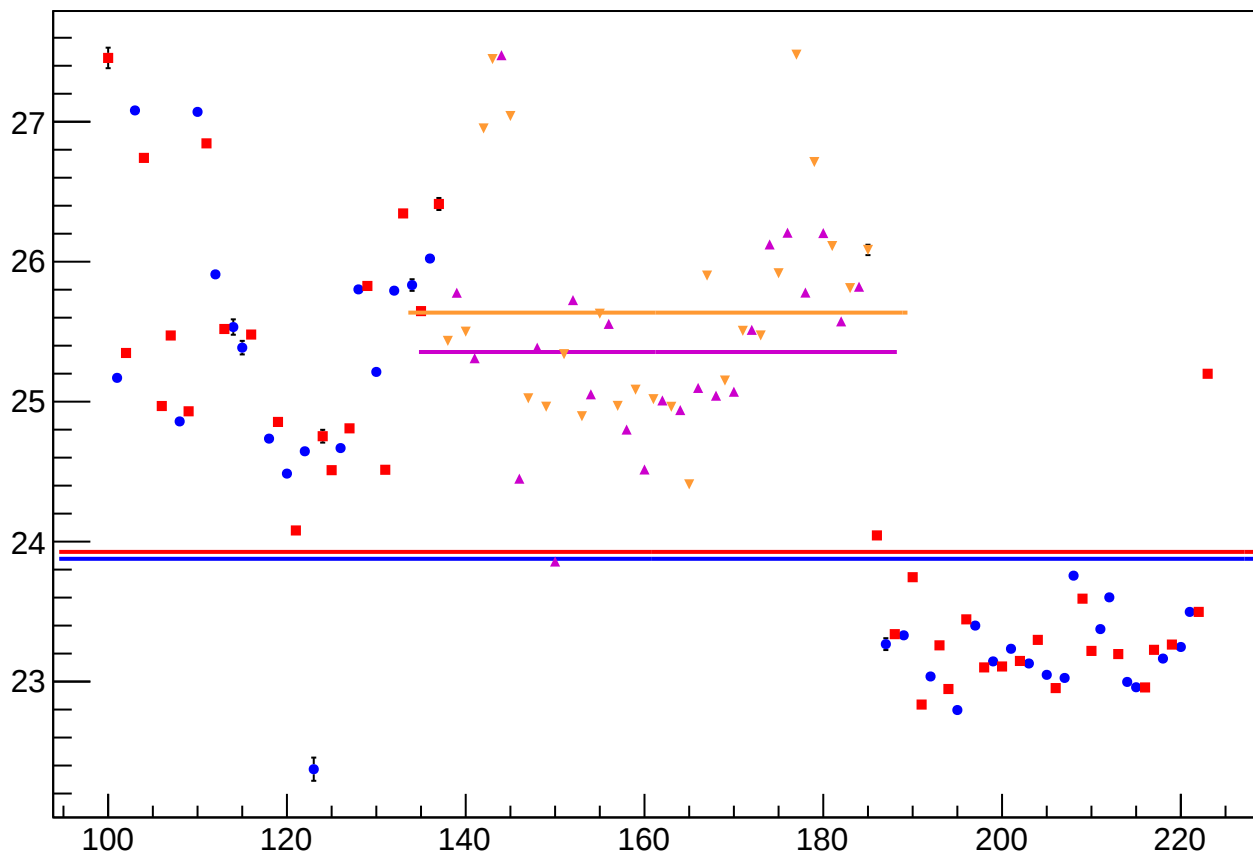
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 0.310 ± 3.986 χ^2/NDF : 64.0/59

All: -2.956 ± 2.815 χ^2/NDF : 131.9/121

- sign -6.205 ± 3.975 χ^2/NDF : 66.6/61

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.877 ± 0.004 $\chi^2/\text{NDF}: 92755.8/34$

Left Out: 25.636 ± 0.004 $\chi^2/\text{NDF}: 35130.7/24$

Right Out: 23.927 ± 0.004 $\chi^2/\text{NDF}: 88043.8/38$

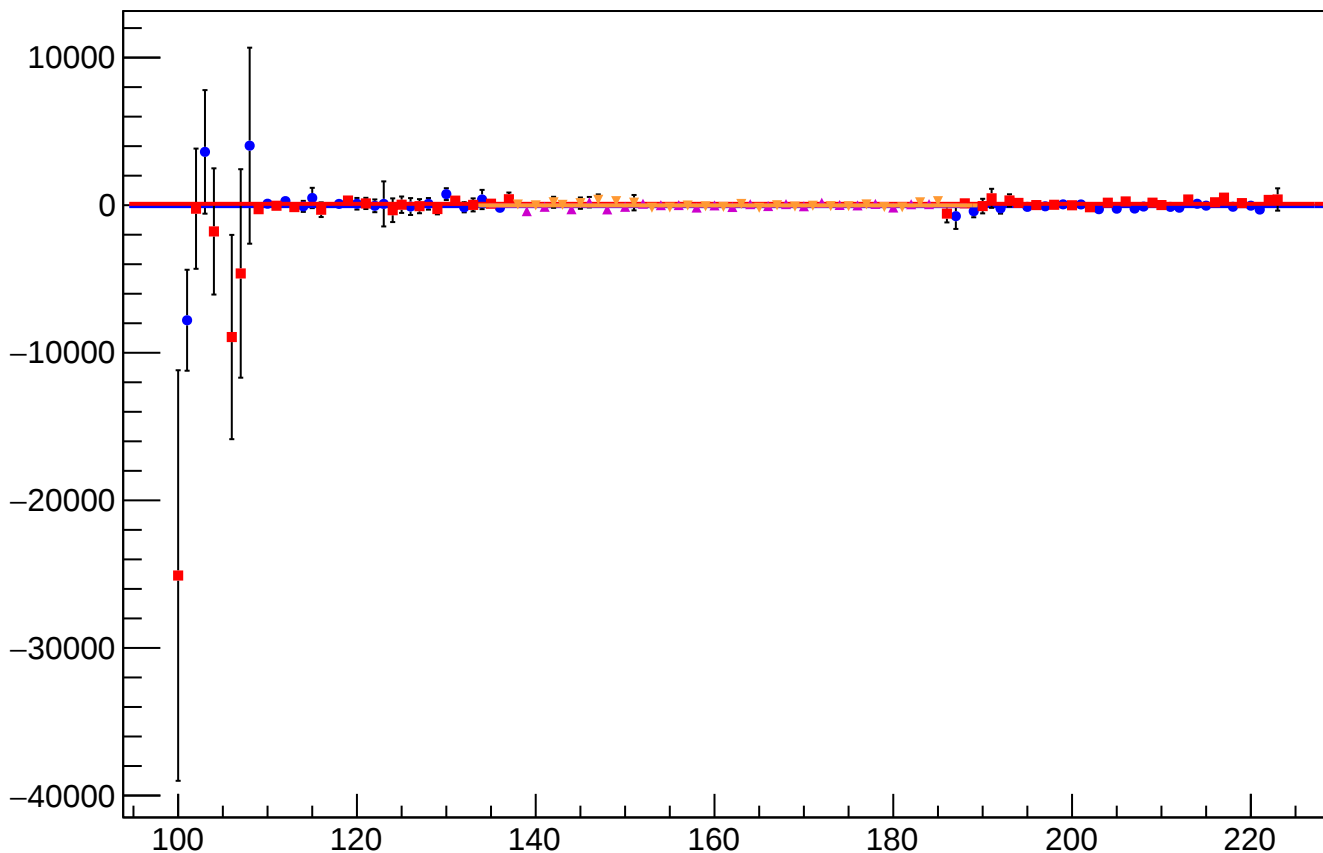
Left In: 25.355 ± 0.004 $\chi^2/\text{NDF}: 29766.2/22$

+ sign 24.661 ± 0.003 $\chi^2/\text{NDF}: 224107.3/59$

All: 24.600 ± 0.002 $\chi^2/\text{NDF}: 406110.4/121$

- sign 24.539 ± 0.003 $\chi^2/\text{NDF}: 181060.4/61$

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -64.527 ± 42.597 χ^2/NDF : 22.9/34

Left Out: -12.820 ± 48.216 χ^2/NDF : 7.9/24

Right Out: 92.342 ± 43.163 χ^2/NDF : 25.5/38

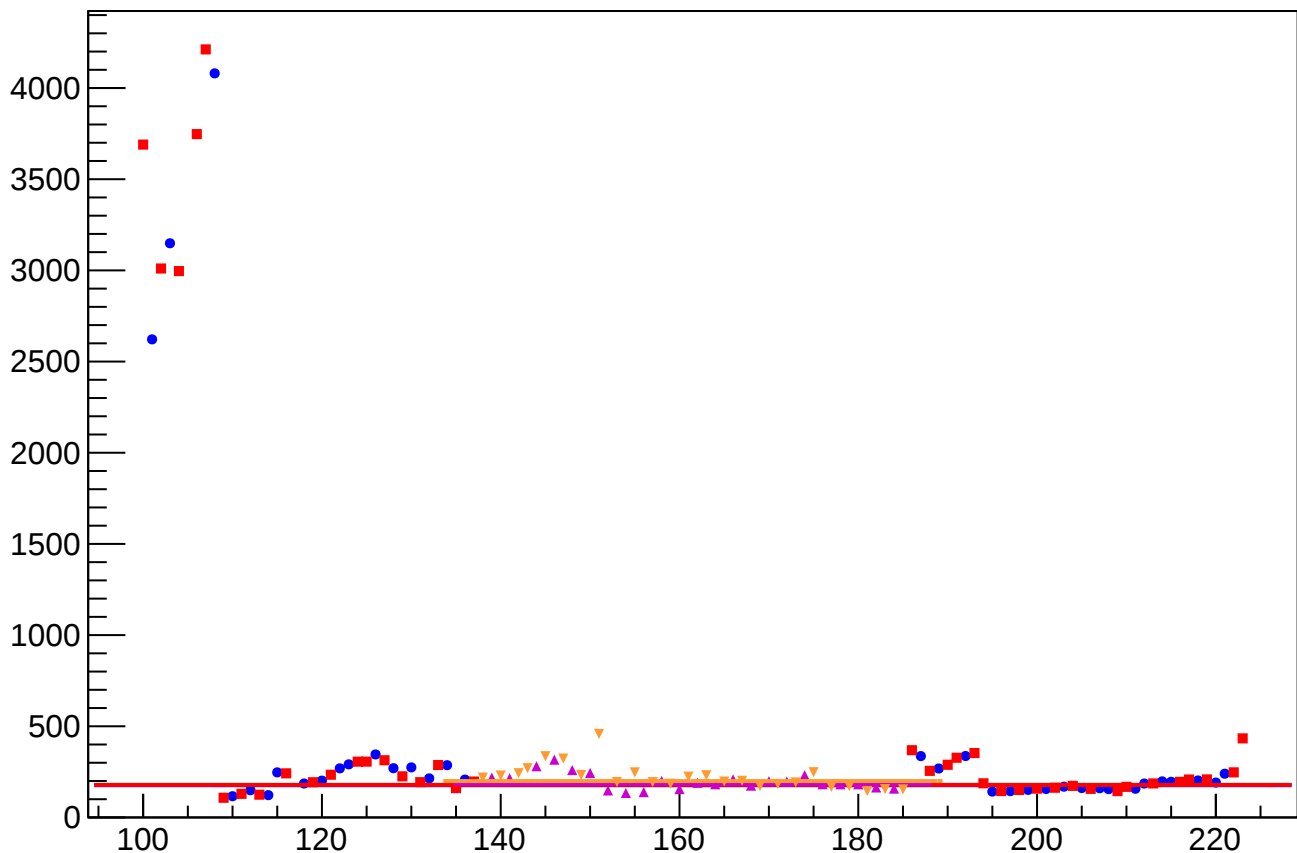
Left In: -26.836 ± 45.876 χ^2/NDF : 7.5/22

+ sign -41.861 ± 31.923 χ^2/NDF : 31.4/59

All: -2.139 ± 22.399 χ^2/NDF : 71.0/121

- sign 36.380 ± 31.436 χ^2/NDF : 36.6/61

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 176.861 $\pm$ 0.030 χ^2 /NDF: 4733552.7/34

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF: 1880548.8/24

Right Out: 178.520 $\pm$ 0.031 χ^2 /NDF: 5858516.3/38

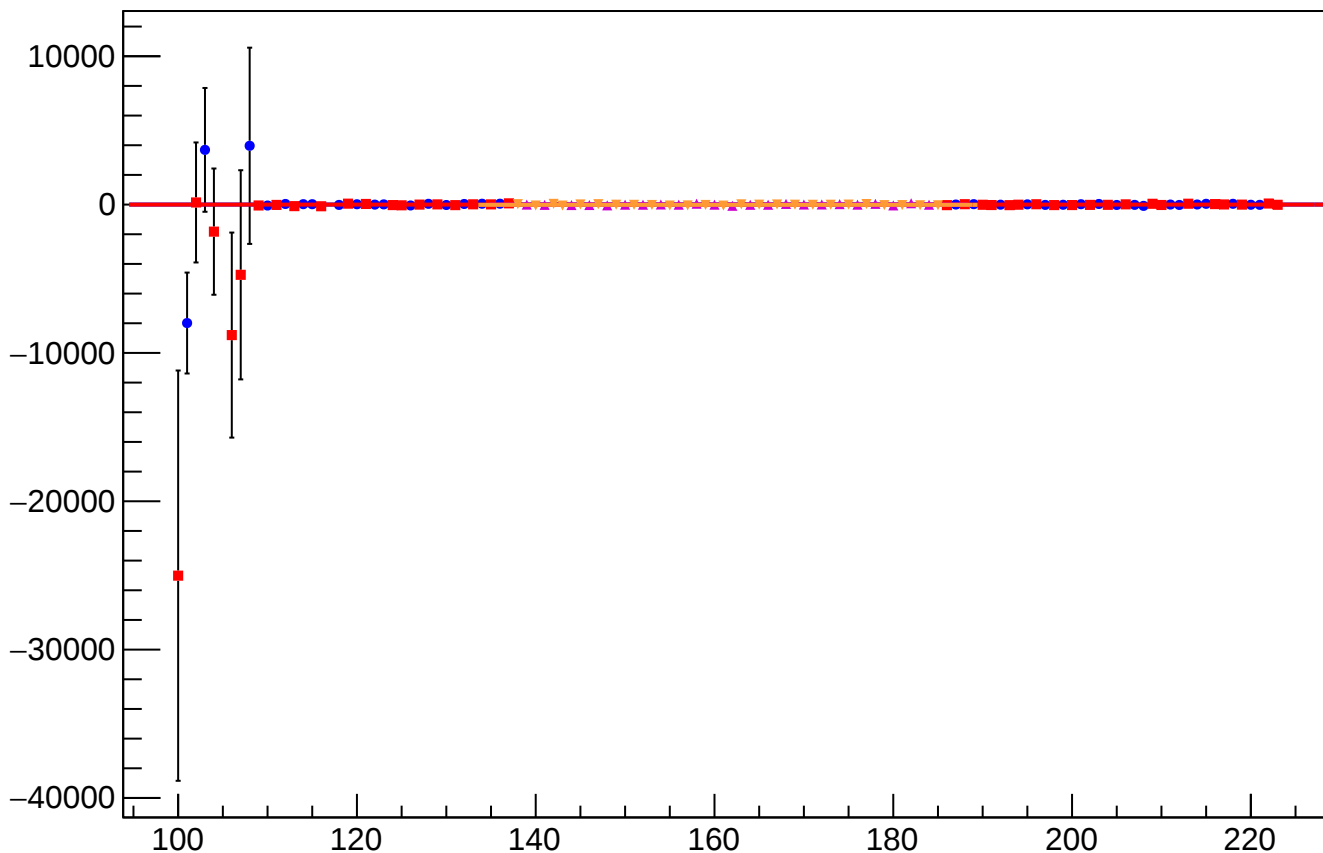
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF: 1423454.3/22

+ sign 186.801 $\pm$ 0.023 χ^2 /NDF: 6862508.2/59

All: 183.911 $\pm$ 0.016 χ^2 /NDF: 14192083.9/12

- sign 181.108 $\pm$ 0.022 χ^2 /NDF: 7297284.4/61

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.573+/-6.432 χ^2/NDF : 37.0/34

Left Out: -17.580+/-6.694 χ^2/NDF : 22.3/24

Right Out: -1.038+/-6.431 χ^2/NDF : 44.0/38

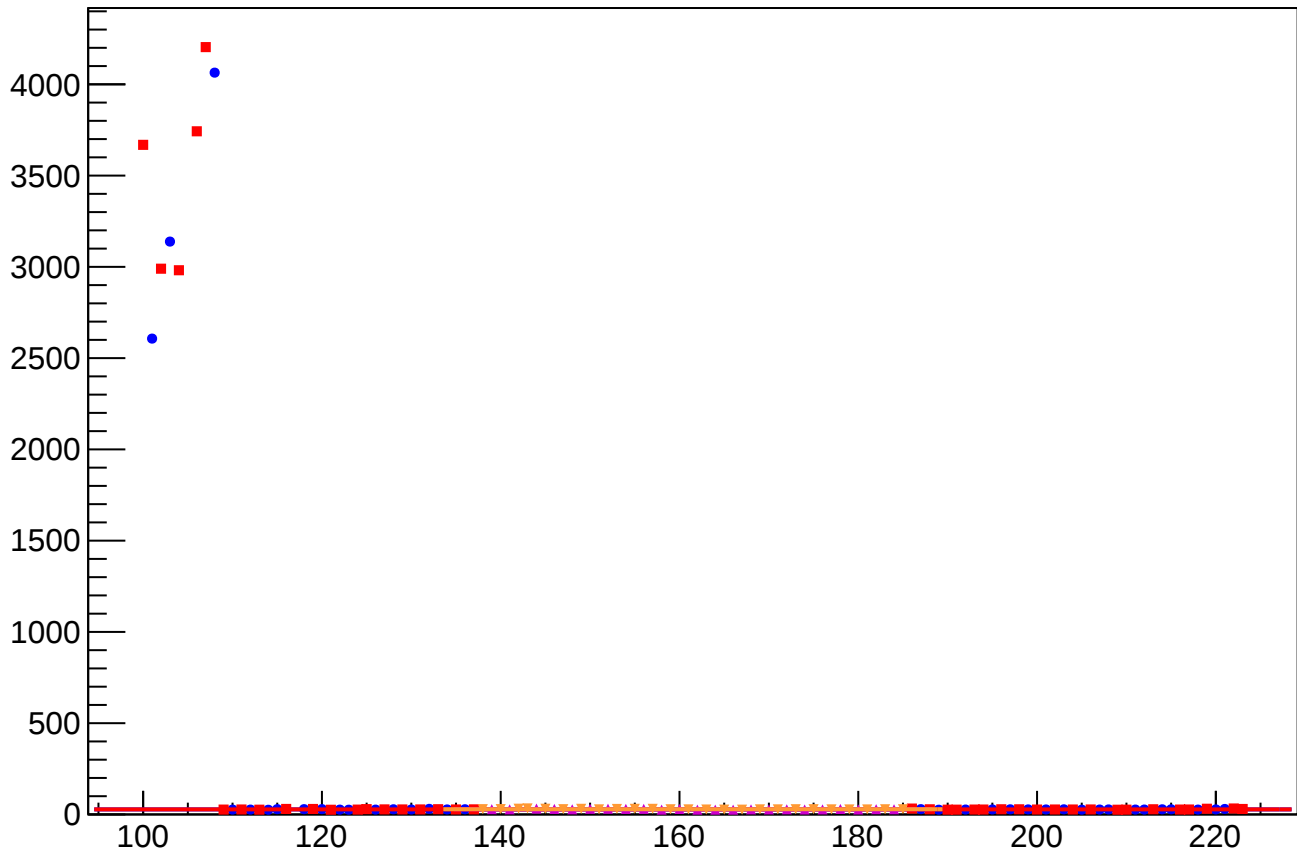
Left In: -1.038+/-6.880 χ^2/NDF : 32.4/22

+ sign -7.102+/-4.638 χ^2/NDF : 64.0/59

All: -4.109+/-3.301 χ^2/NDF : 141.2/121

- sign -1.038+/-4.698 χ^2/NDF : 76.4/61

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.584 $\pm$ 0.005 χ^2 /NDF: 3059875.6/34

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.760 $\pm$ 0.005 χ^2 /NDF: 3579924.1/38

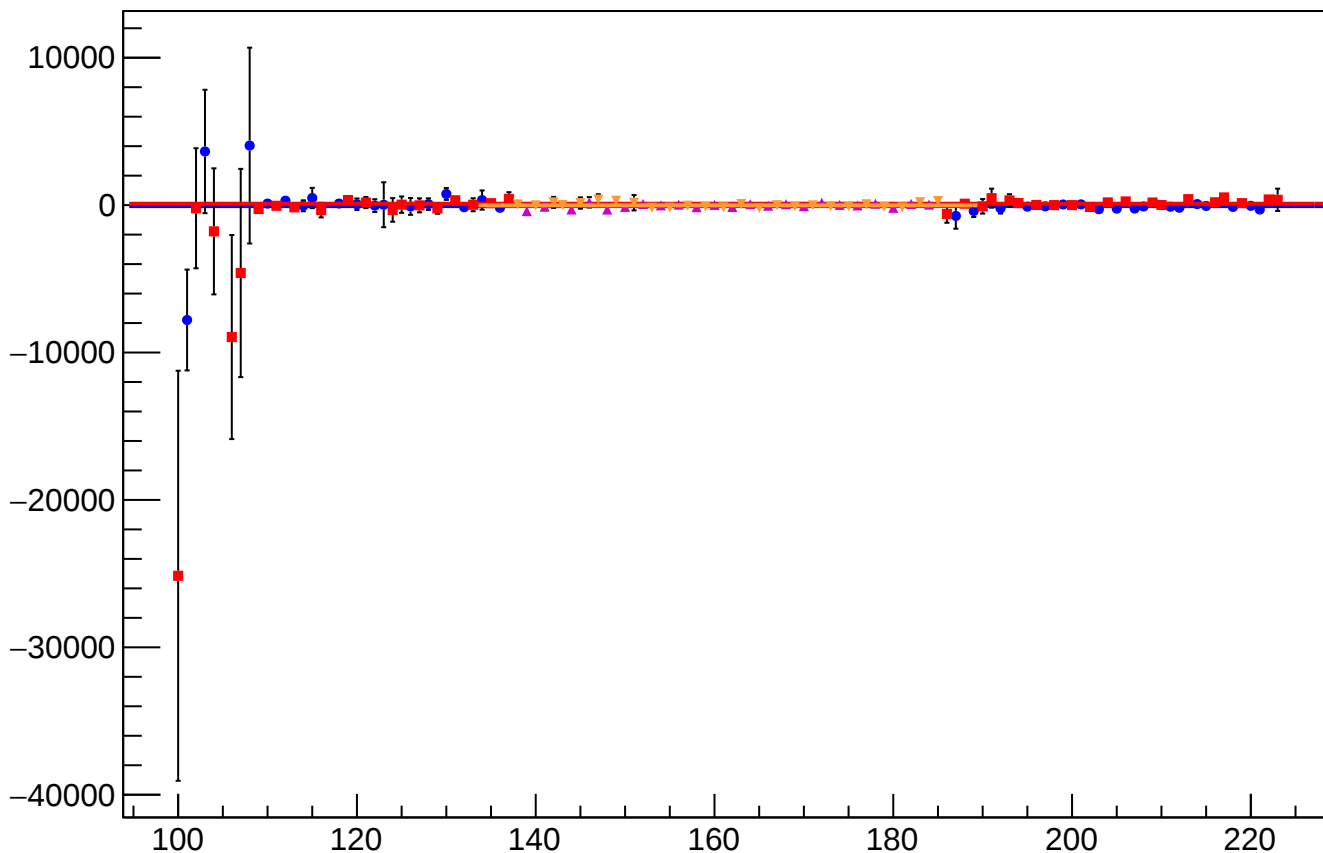
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.115 $\pm$ 0.003 χ^2 /NDF: 3198808.7/59

All: 28.150 $\pm$ 0.002 χ^2 /NDF: 6922492.8/121

- sign 28.186 $\pm$ 0.003 χ^2 /NDF: 3723455.7/61

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -65.906 ± 42.466 χ^2/NDF : 23.0/34

Left Out: -15.483 ± 48.109 χ^2/NDF : 8.7/24

Right Out: 95.235 ± 43.039 χ^2/NDF : 26.7/38

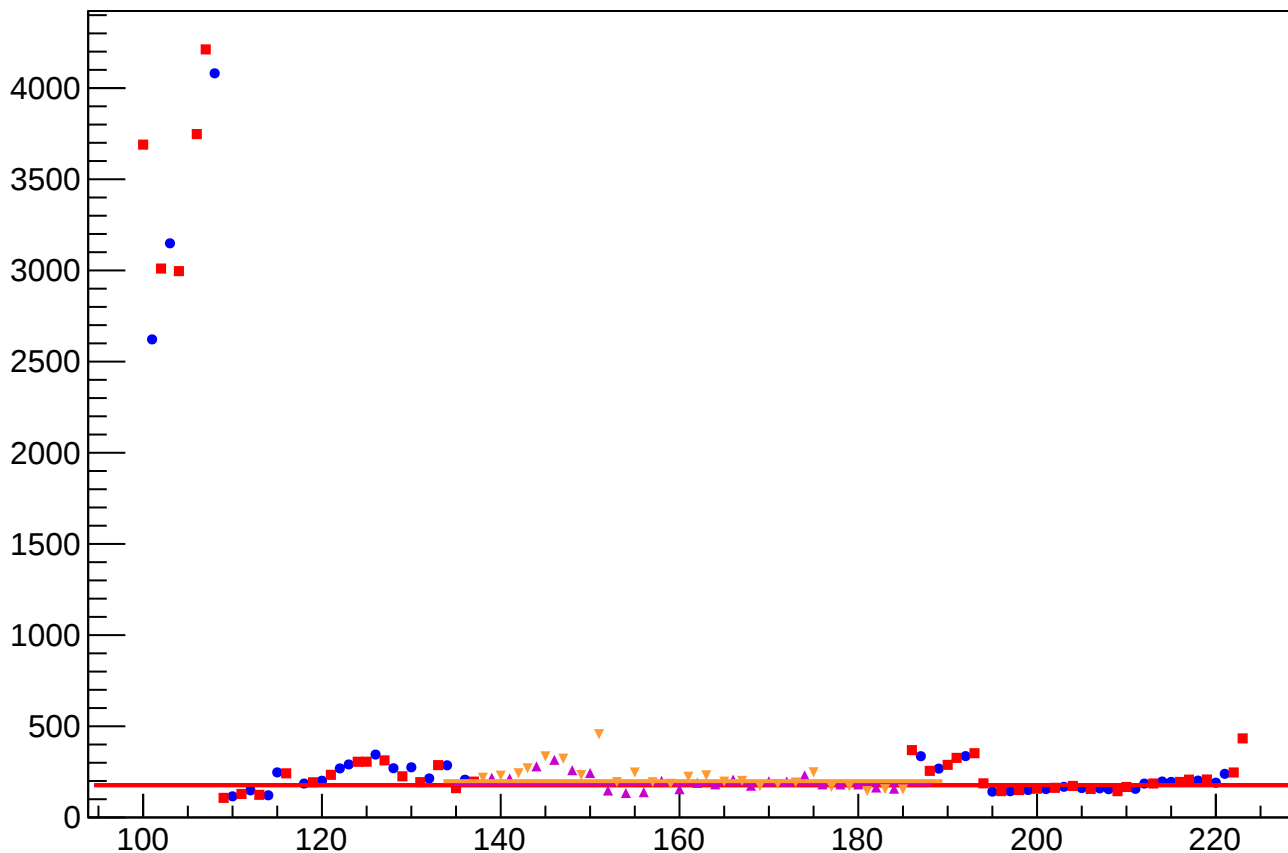
Left In: -27.009 ± 45.785 χ^2/NDF : 7.8/22

+ sign -43.823 ± 31.837 χ^2/NDF : 32.3/59

All: -2.349 ± 22.341 χ^2/NDF : 74.0/121

- sign 37.888 ± 31.359 χ^2/NDF : 38.3/61

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 176.284+/-0.030 χ^2/NDF : 4747438.8/34

Left Out: 199.094+/-0.034 χ^2/NDF : 1880343.4/24

Right Out: 177.957+/-0.030 χ^2/NDF : 5878048.8/38

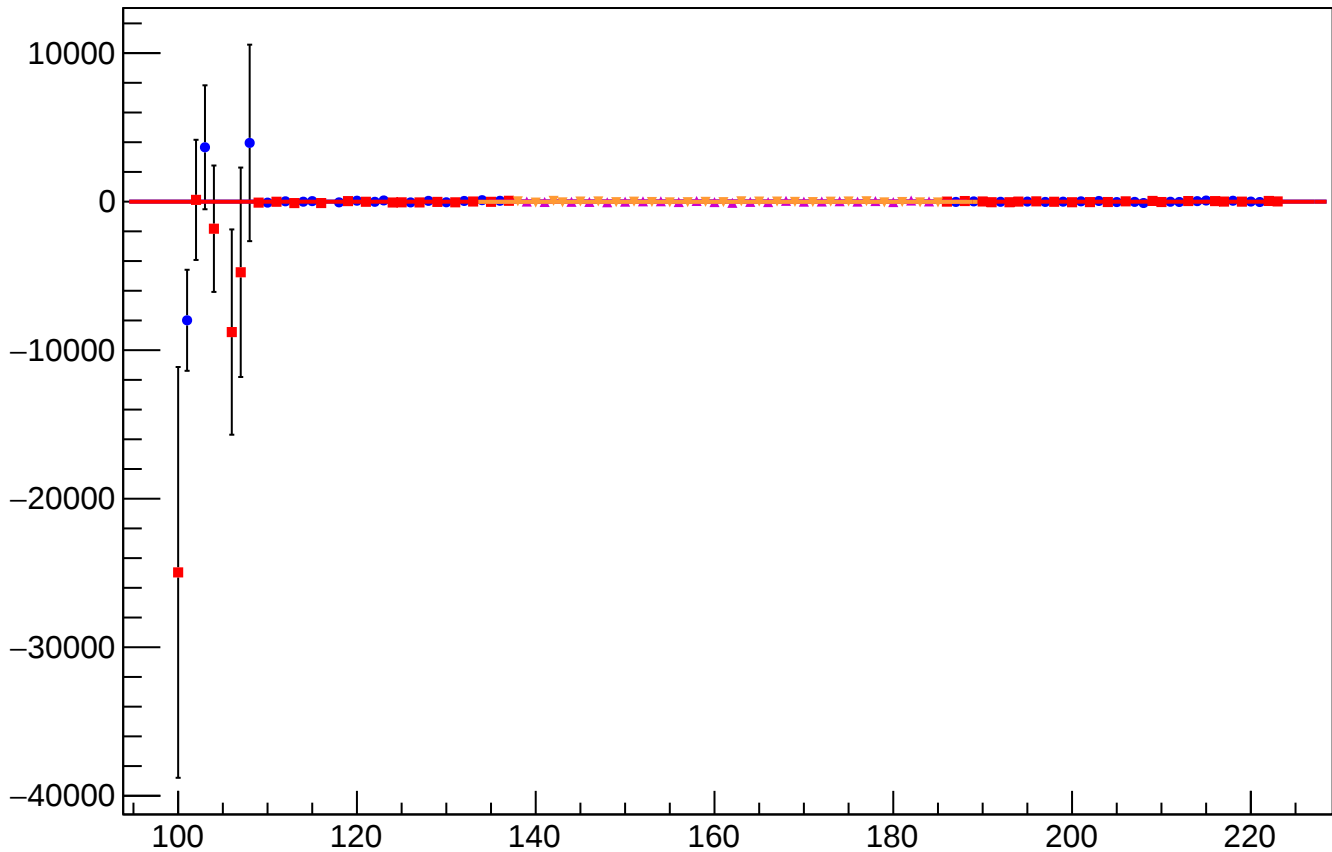
Left In: 183.667+/-0.032 χ^2/NDF : 1422895.7/22

+ sign 186.273+/-0.023 χ^2/NDF : 6880484.4/59

All: 183.412+/-0.016 χ^2/NDF : 14229772.1/12

- sign 180.636+/-0.022 χ^2/NDF : 7317458.9/61

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 3.737 $\pm$ 6.388 χ^2 /NDF: 46.1/34

Left Out: -15.006 $\pm$ 6.723 χ^2 /NDF:17.5/24

Right Out: -4.331 $\pm$ 6.398 χ^2 /NDF: 37.0/38

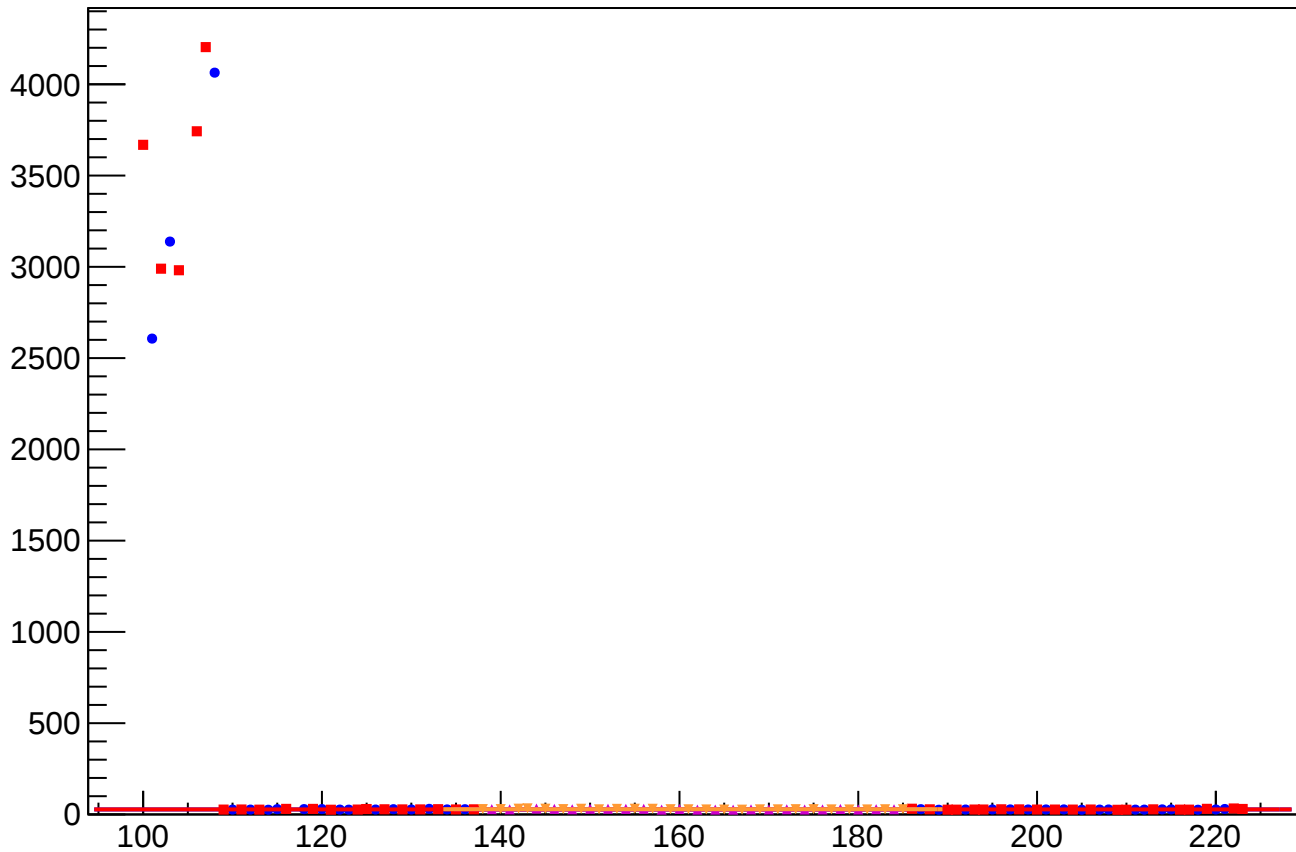
Left In: 0.702 $\pm$ 6.909 χ^2 /NDF:26.4/22

+ sign -5.155 $\pm$ 4.631 χ^2 /NDF: 67.6/59

All: -3.602 $\pm$ 3.297 χ^2 /NDF: 131.4/121

- sign -2.007 $\pm$ 4.695 χ^2 /NDF: 63.6/61

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.388 $\pm$ 0.005 χ^2 /NDF: 3071301.7/34

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.615 $\pm$ 0.005 χ^2 /NDF: 3587069.1/38

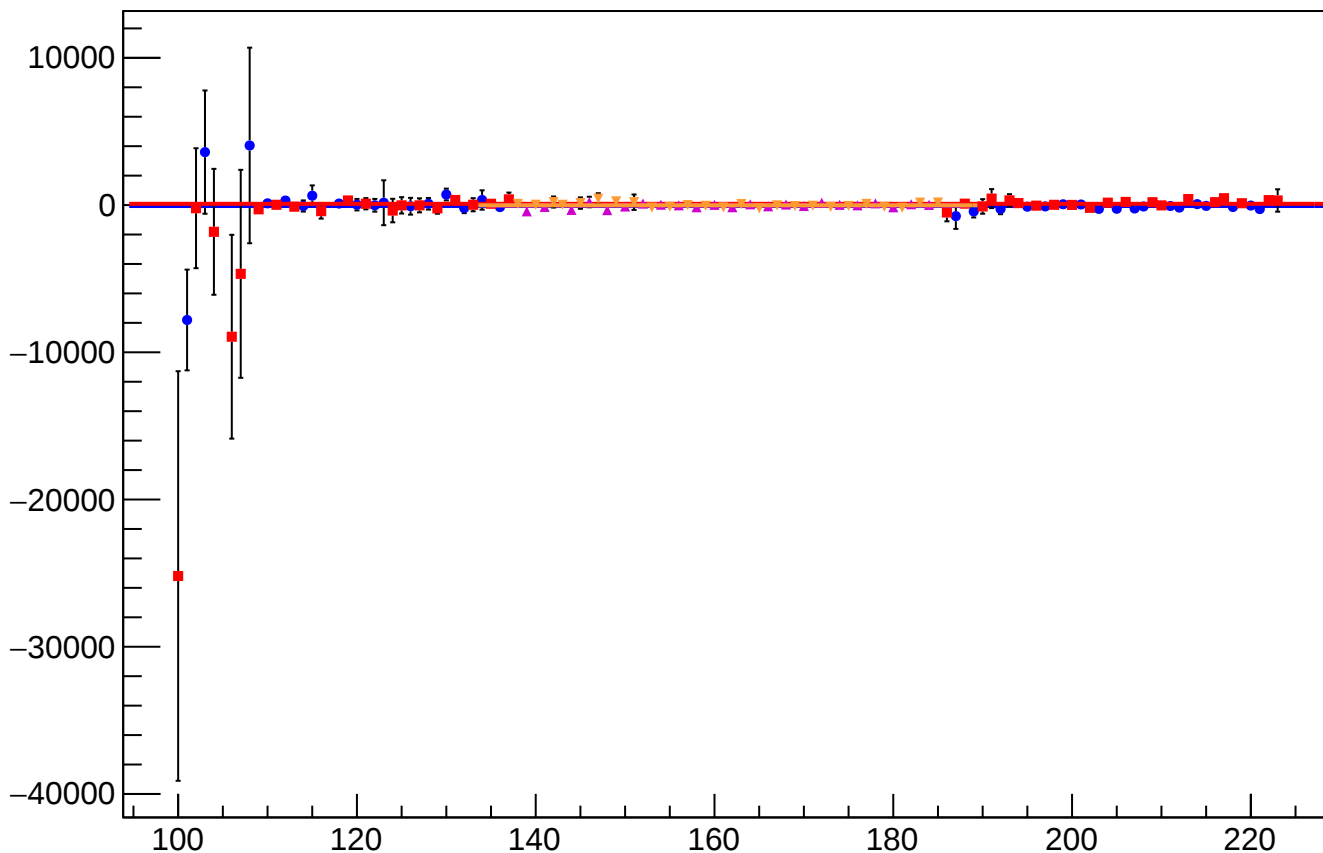
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.064 $\pm$ 0.003 χ^2 /NDF: 3240475.0/59

All: 28.111 $\pm$ 0.002 χ^2 /NDF: 6988629.6/121

- sign 28.158 $\pm$ 0.003 χ^2 /NDF: 3747743.0/61

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -64.001 ± 42.756 χ^2/NDF : 23.0/34

Left Out: -15.548 ± 48.688 χ^2/NDF : 8.0/24

Right Out: 85.510 ± 43.352 χ^2/NDF : 25.2/38

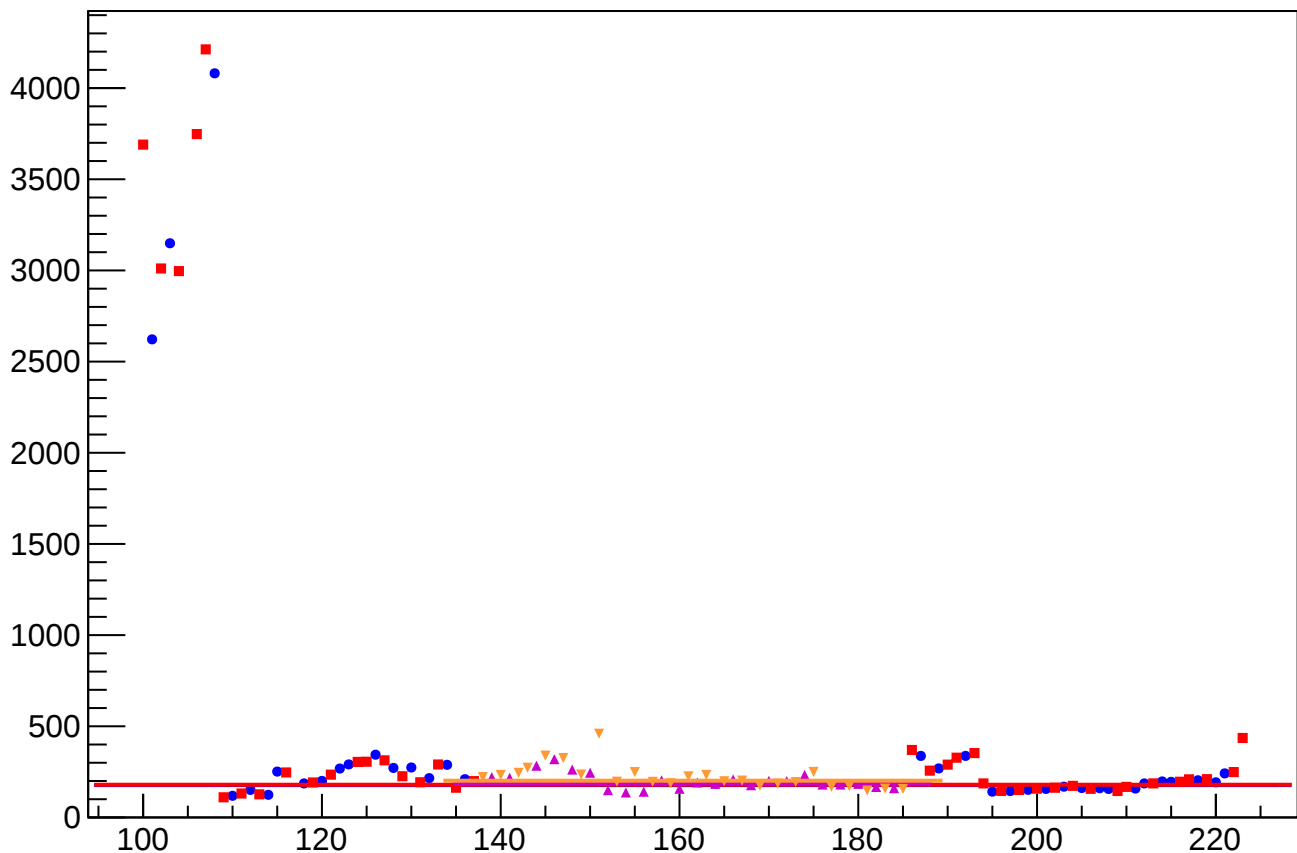
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign -42.904 ± 32.127 χ^2/NDF : 31.6/59

All: -5.378 ± 22.552 χ^2/NDF : 71.0/121

- sign 31.076 ± 31.664 χ^2/NDF : 36.8/61

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 177.573+/-0.030 χ^2/NDF : 4714895.4/34

Left Out: 201.600+/-0.034 χ^2/NDF : 1857453.2/24

Right Out: 179.426+/-0.031 χ^2/NDF : 5817647.7/38

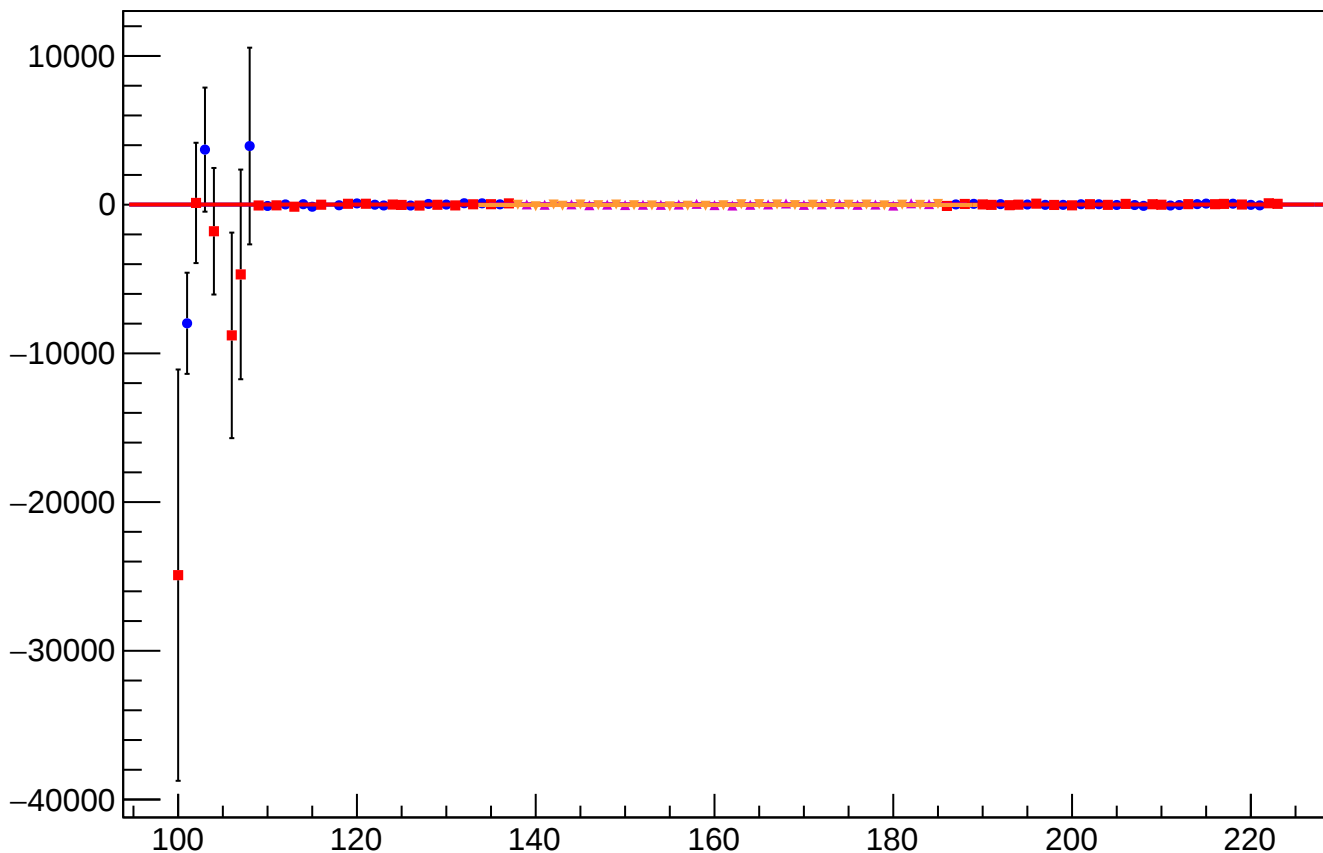
Left In: 186.107+/-0.033 χ^2/NDF : 1391327.2/22

+ sign 188.034+/-0.023 χ^2/NDF : 6847344.2/59

All: 185.249+/-0.016 χ^2/NDF : 14108117.3/12

- sign 182.543+/-0.022 χ^2/NDF : 7231131.8/61

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.843+/-7.774 χ^2/NDF : 40.2/34

Left Out: -23.360+/-8.064 χ^2/NDF :25.8/24

Right Out: 10.405+/-7.773 χ^2/NDF : 43.0/38

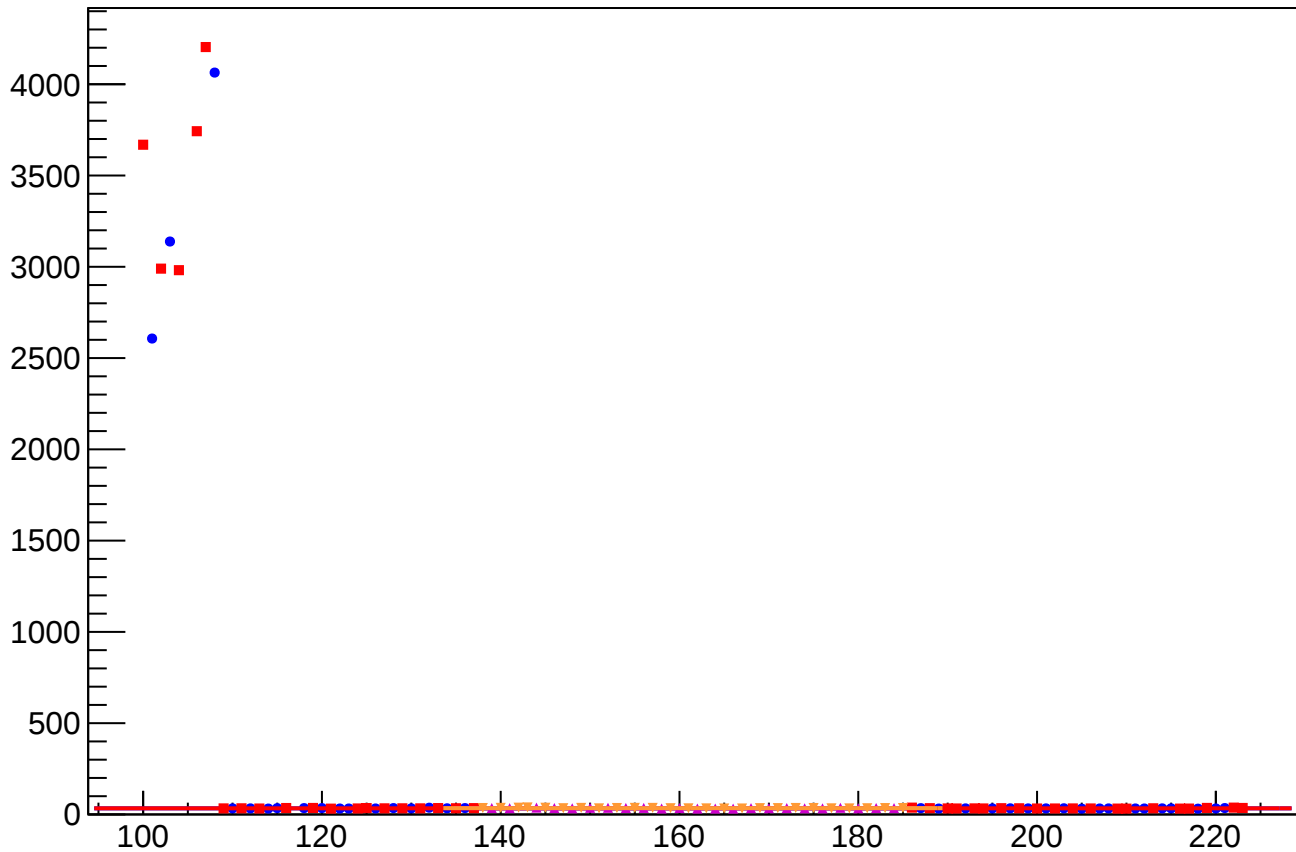
Left In: 6.001+/-8.309 χ^2/NDF :21.1/22

+ sign -9.260+/-5.597 χ^2/NDF : 72.0/59

All: -0.579+/-3.985 χ^2/NDF : 141.1/121

- sign 8.349+/-5.676 χ^2/NDF : 64.3/61

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.360 $\pm$ 0.005 χ^2 /NDF: 3029680.4/34

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.611 $\pm$ 0.005 χ^2 /NDF: 3504964.9/38

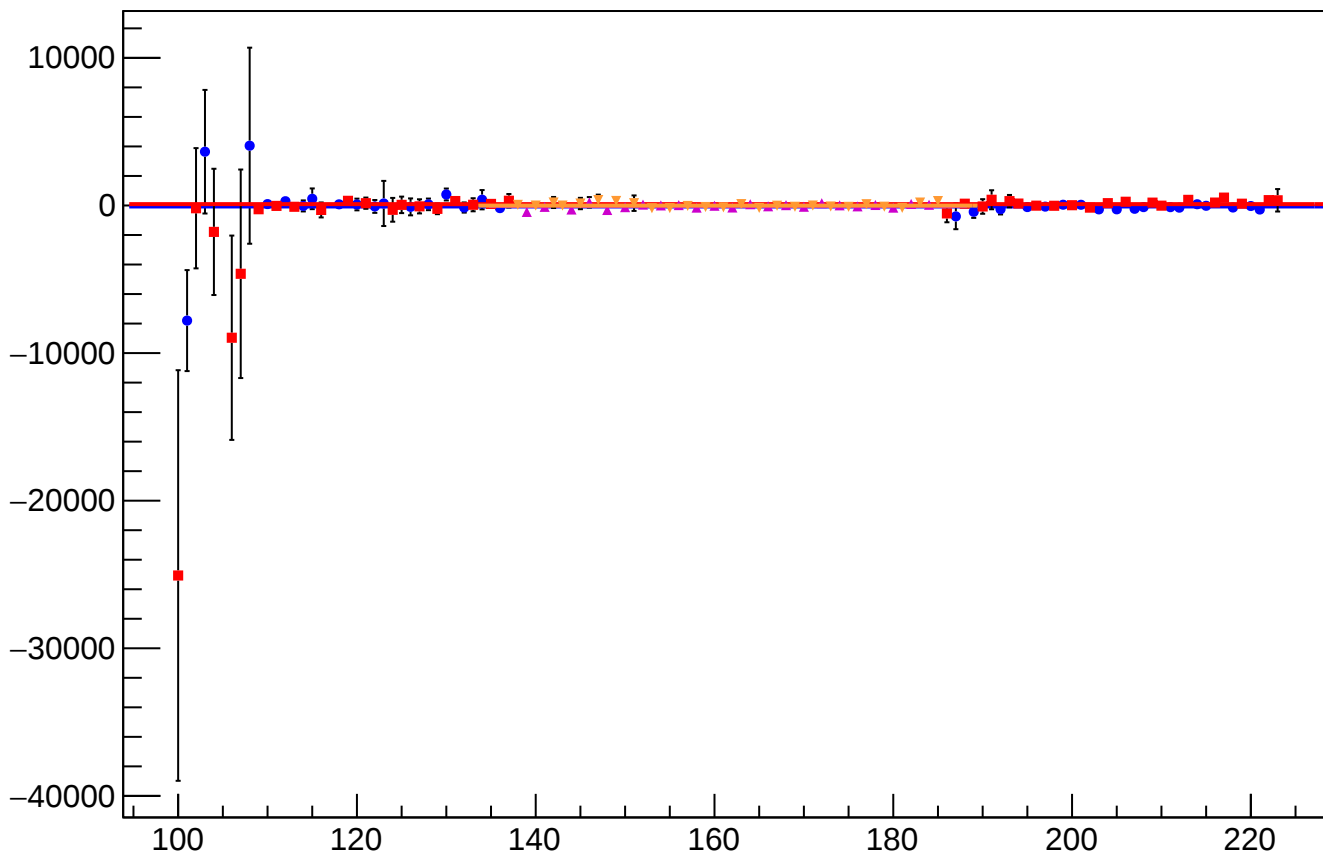
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 33.964 $\pm$ 0.004 χ^2 /NDF: 3112692.6/59

All: 34.037 $\pm$ 0.003 χ^2 /NDF: 6696484.4/121

- sign 34.112 $\pm$ 0.004 χ^2 /NDF: 3583103.8/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -67.088 ± 42.637 χ^2/NDF : 22.8/34

Left Out: -8.916 ± 48.615 χ^2/NDF : 8.6/24

Right Out: 91.806 ± 43.201 χ^2/NDF : 24.7/38

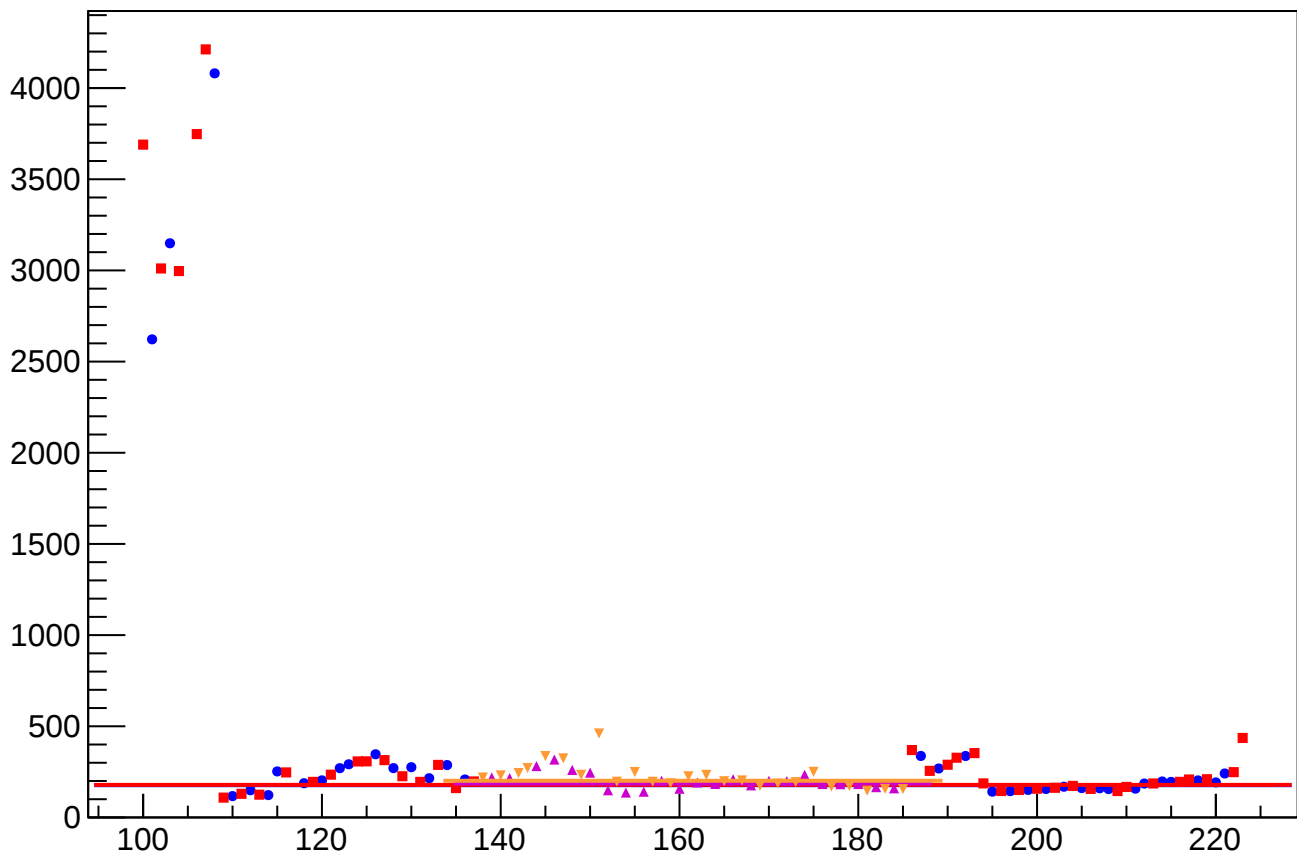
Left In: -34.127 ± 46.296 χ^2/NDF : 7.4/22

+ sign -41.797 ± 32.055 χ^2/NDF : 32.2/59

All: -3.750 ± 22.498 χ^2/NDF : 71.0/121

- sign 33.190 ± 31.585 χ^2/NDF : 36.0/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 177.002 $\pm$ 0.030 χ^2 /NDF: 4746001.8/34

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF: 1851134.1/24

Right Out: 178.654 $\pm$ 0.031 χ^2 /NDF: 5870803.8/38

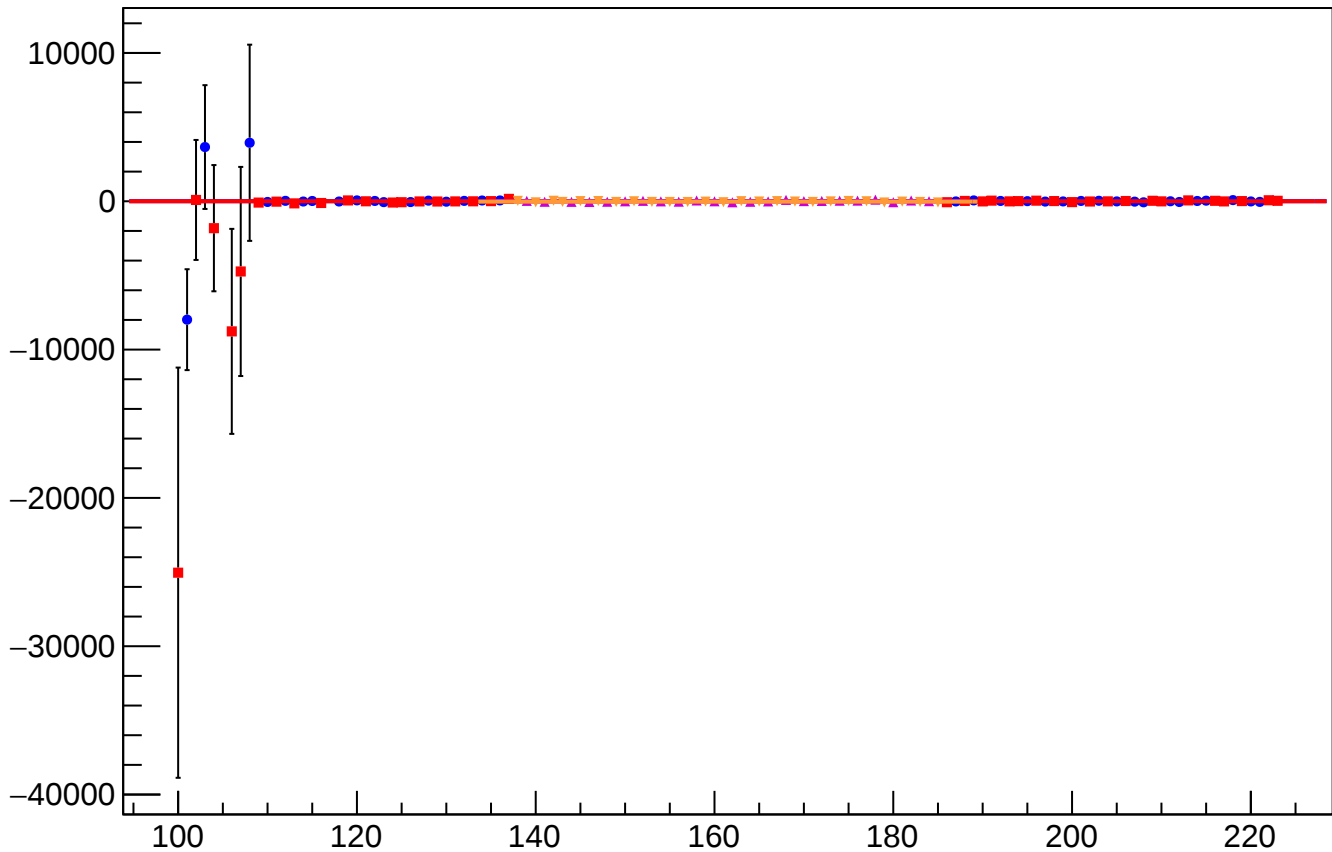
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF: 1381771.9/22

+ sign 187.564 $\pm$ 0.023 χ^2 /NDF: 6879455.5/59

All: 184.744 $\pm$ 0.016 χ^2 /NDF: 14188407.3/12

- sign 182.005 $\pm$ 0.022 χ^2 /NDF: 7278433.0/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.717 $\pm$ 7.035 χ^2 /NDF: 34.4/34

Left Out: -22.879 $\pm$ 7.340 χ^2 /NDF:18.8/24

Right Out: 2.402 $\pm$ 7.041 χ^2 /NDF: 46.3/38

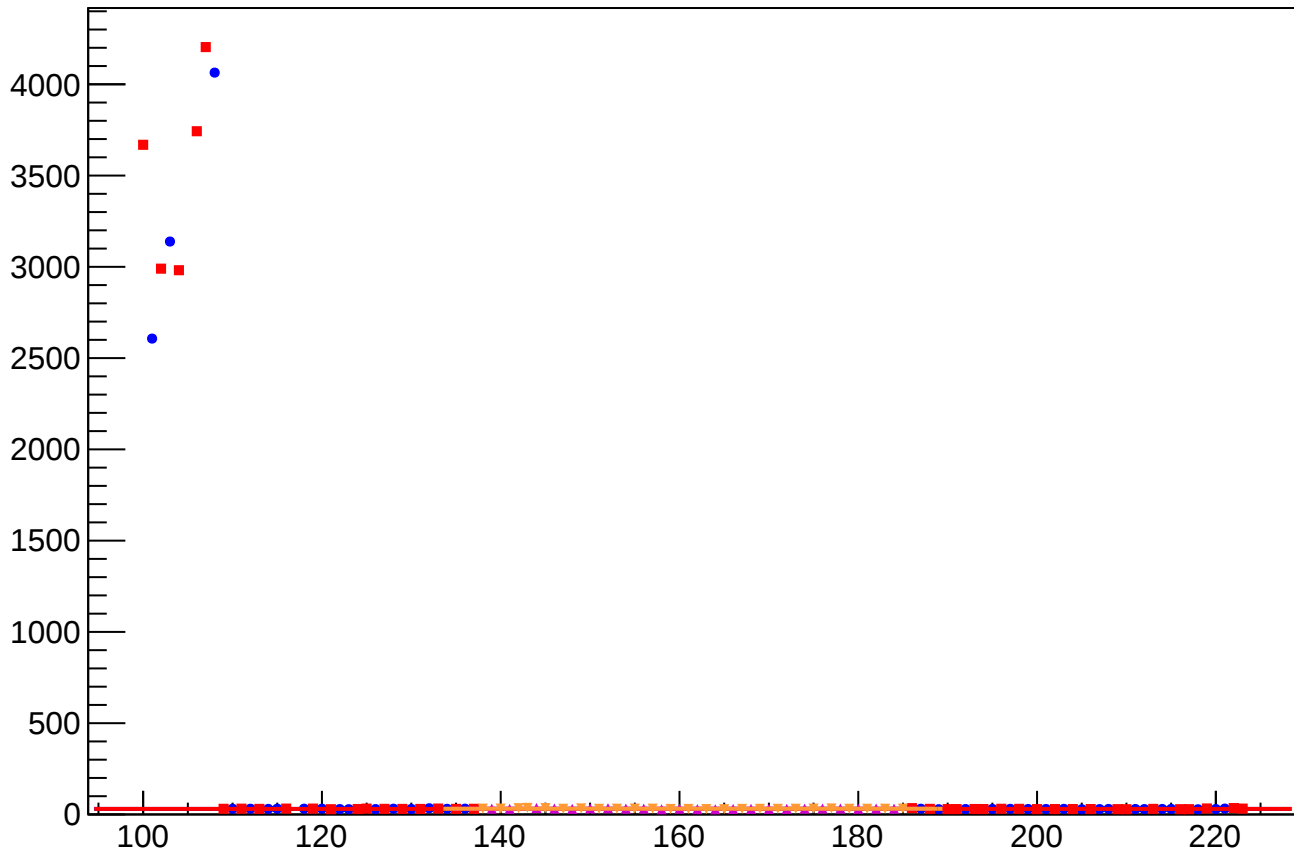
Left In: 5.943 $\pm$ 7.550 χ^2 /NDF:38.3/22

+ sign -7.974 $\pm$ 5.079 χ^2 /NDF: 61.1/59

All: -2.045 $\pm$ 3.616 χ^2 /NDF: 148.6/121

- sign 4.049 $\pm$ 5.149 χ^2 /NDF: 84.7/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.176 $\pm$ 0.005 χ^2 /NDF: 3052757.7/34

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.414 $\pm$ 0.005 χ^2 /NDF: 3538636.8/38

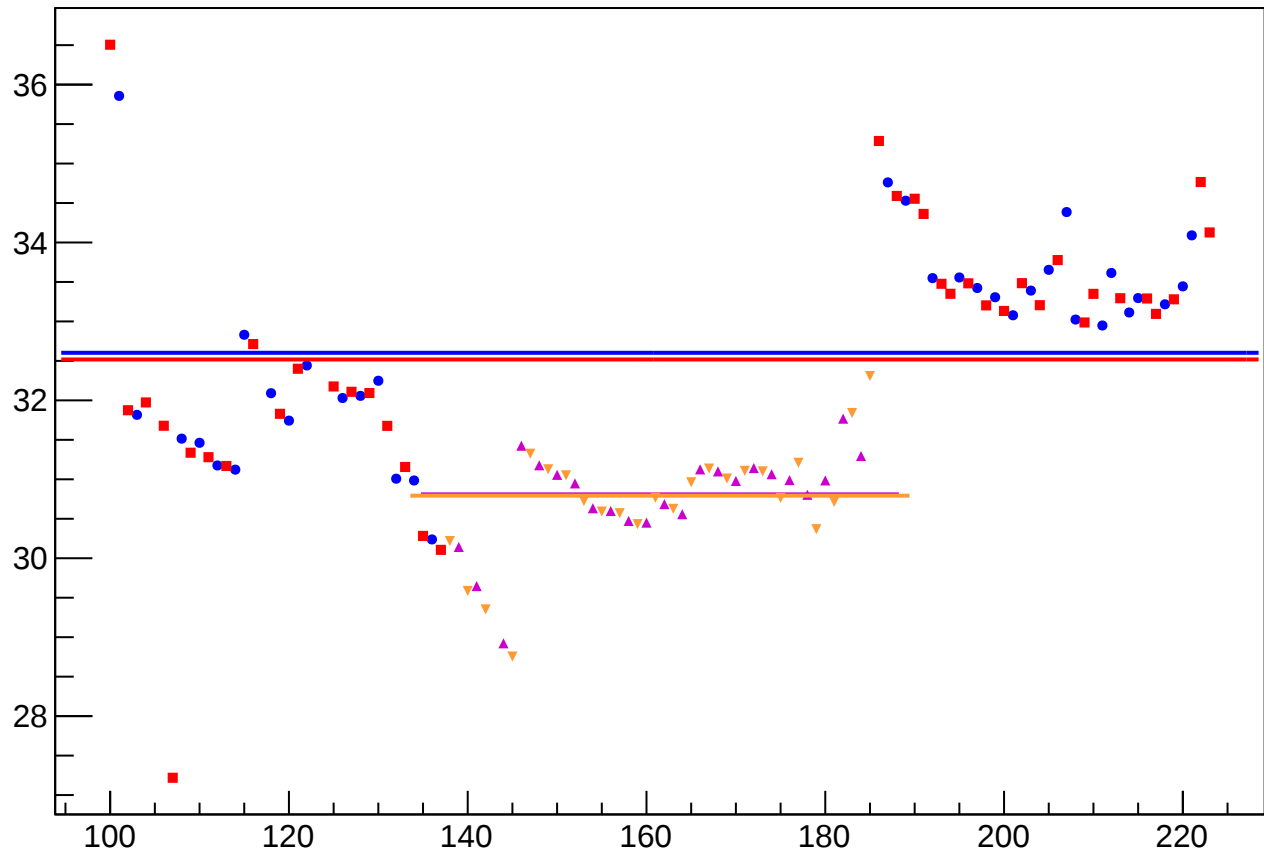
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 30.801 $\pm$ 0.004 χ^2 /NDF: 3168189.3/59

All: 30.856 $\pm$ 0.003 χ^2 /NDF: 6816796.5/121

- sign 30.912 $\pm$ 0.004 χ^2 /NDF: 3648139.4/61

yield_usl_mean vs Slug



Right In: 32.603 ± 0.000 χ^2/NDF : 3370699817.0/33

Left Out: 30.793 ± 0.000 χ^2/NDF : 1007261340.7/23

Right Out: 32.518 ± 0.000 χ^2/NDF : 3214858649.7/37

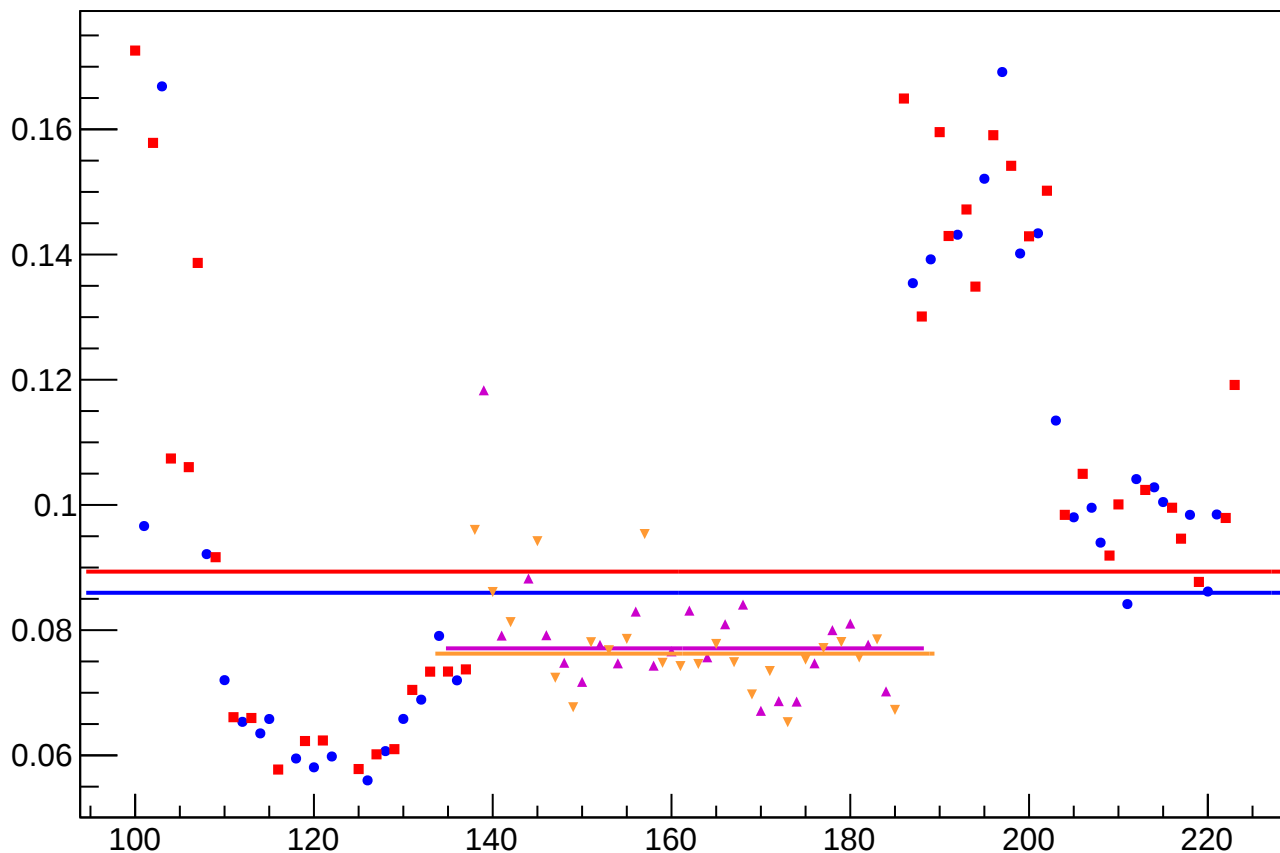
Left In: 30.809 ± 0.000 χ^2/NDF : 821961762.3/22

+ sign 31.620 ± 0.000 χ^2/NDF : 8509988710.8/57

All: 31.601 ± 0.000 χ^2/NDF : 16067462933.0

- sign 31.581 ± 0.000 χ^2/NDF : 7553765465.0/60

yield_usl_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 3333816.6/33

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:277876.5/23

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 3734989.0/37

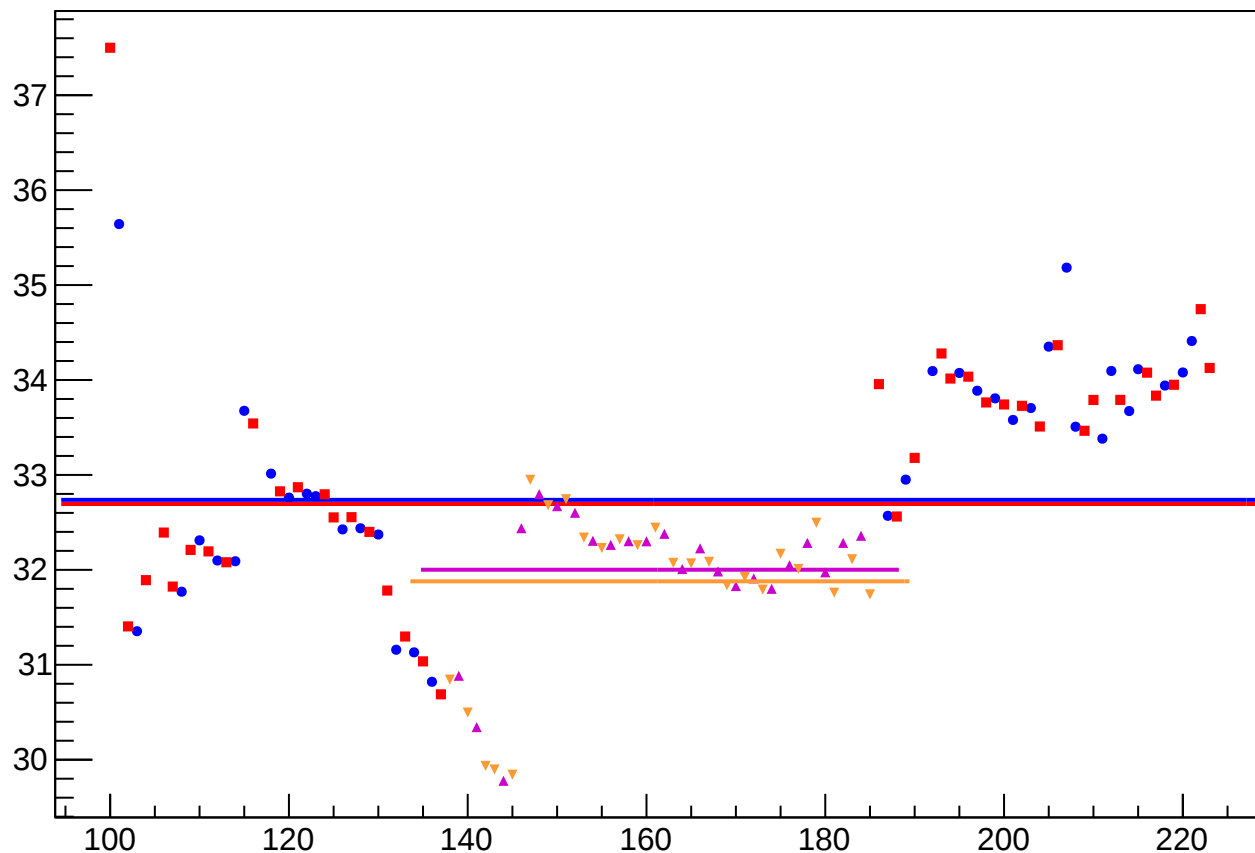
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.081 $\pm$ 0.000 χ^2 /NDF: 3850023.2/57

All: 0.082 $\pm$ 0.000 χ^2 /NDF: 8291409.1/118

- sign 0.083 $\pm$ 0.000 χ^2 /NDF: 4422732.0/60

yield_usr_mean vs Slug



Right In: 32.737 $\pm$ 0.000 χ^2 /NDF: 1841948196.4/34

Left Out: 31.879 $\pm$ 0.000 χ^2 /NDF:1976281391.1/24

Right Out: 32.693 $\pm$ 0.000 χ^2 /NDF: 1259636147.2/37

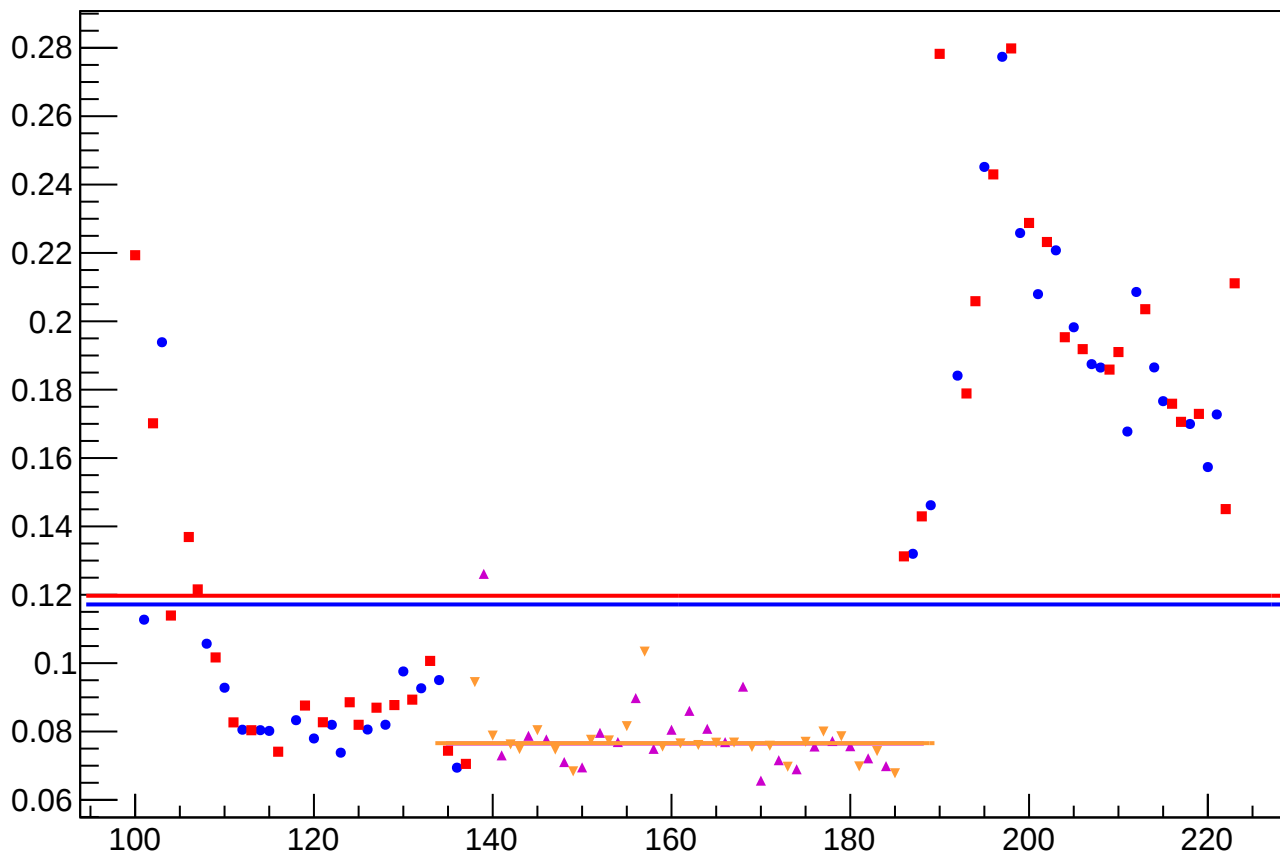
Left In: 32.001 $\pm$ 0.000 χ^2 /NDF:1411110671.9/22

+ sign 32.122 $\pm$ 0.000 χ^2 /NDF: 4418992009.9/59

All: 32.162 $\pm$ 0.000 χ^2 /NDF: 7486378752.8/1

- sign 32.203 $\pm$ 0.000 χ^2 /NDF: 3054540325.0/60

yield_usr_rms vs Slug



Right In: 0.117 $\pm$ 0.000 χ^2 /NDF: 6095382.7/34

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:209648.5/24

Right Out: 0.120 $\pm$ 0.000 χ^2 /NDF: 5711181.2/37

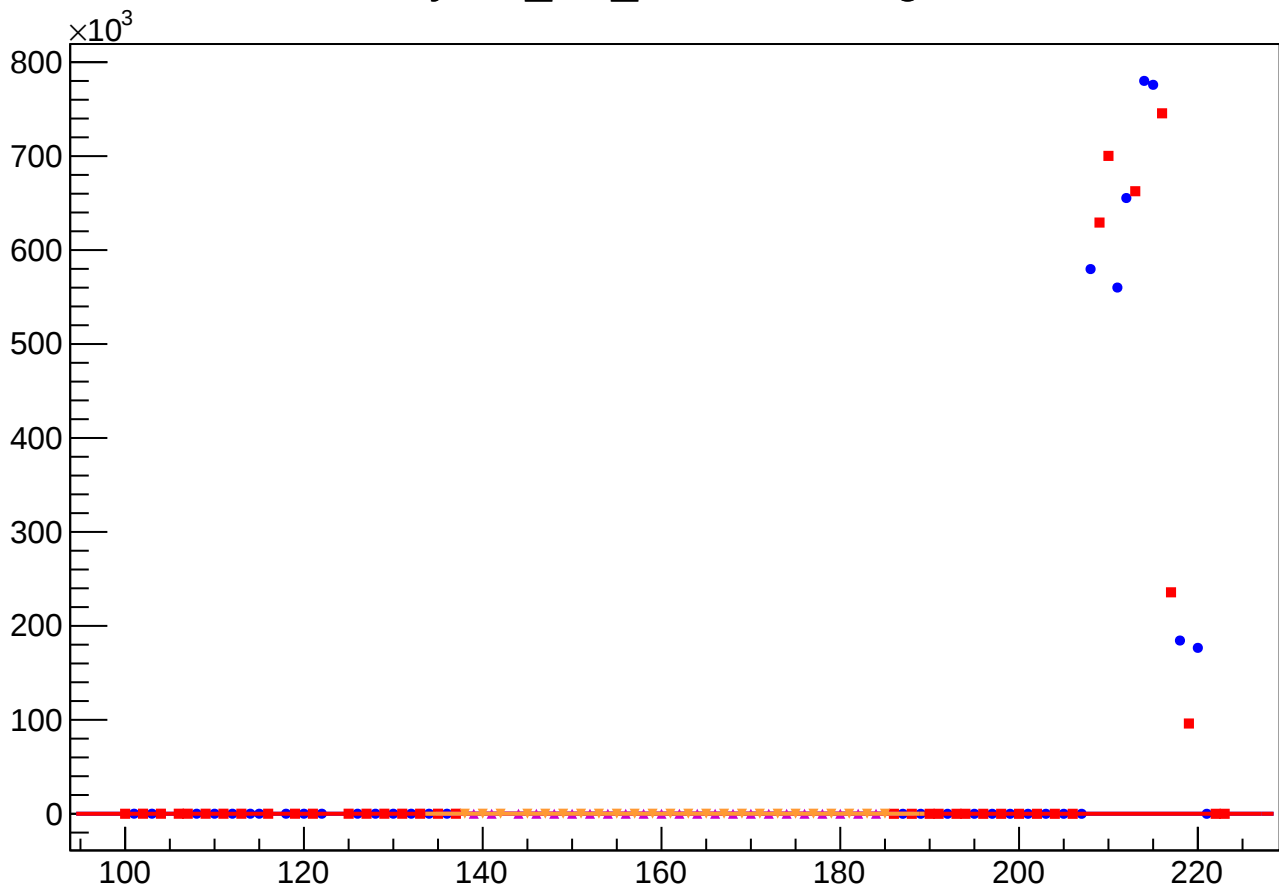
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 8991414.6/59

All: 0.089 $\pm$ 0.000 χ^2 /NDF: 18132133.9/120

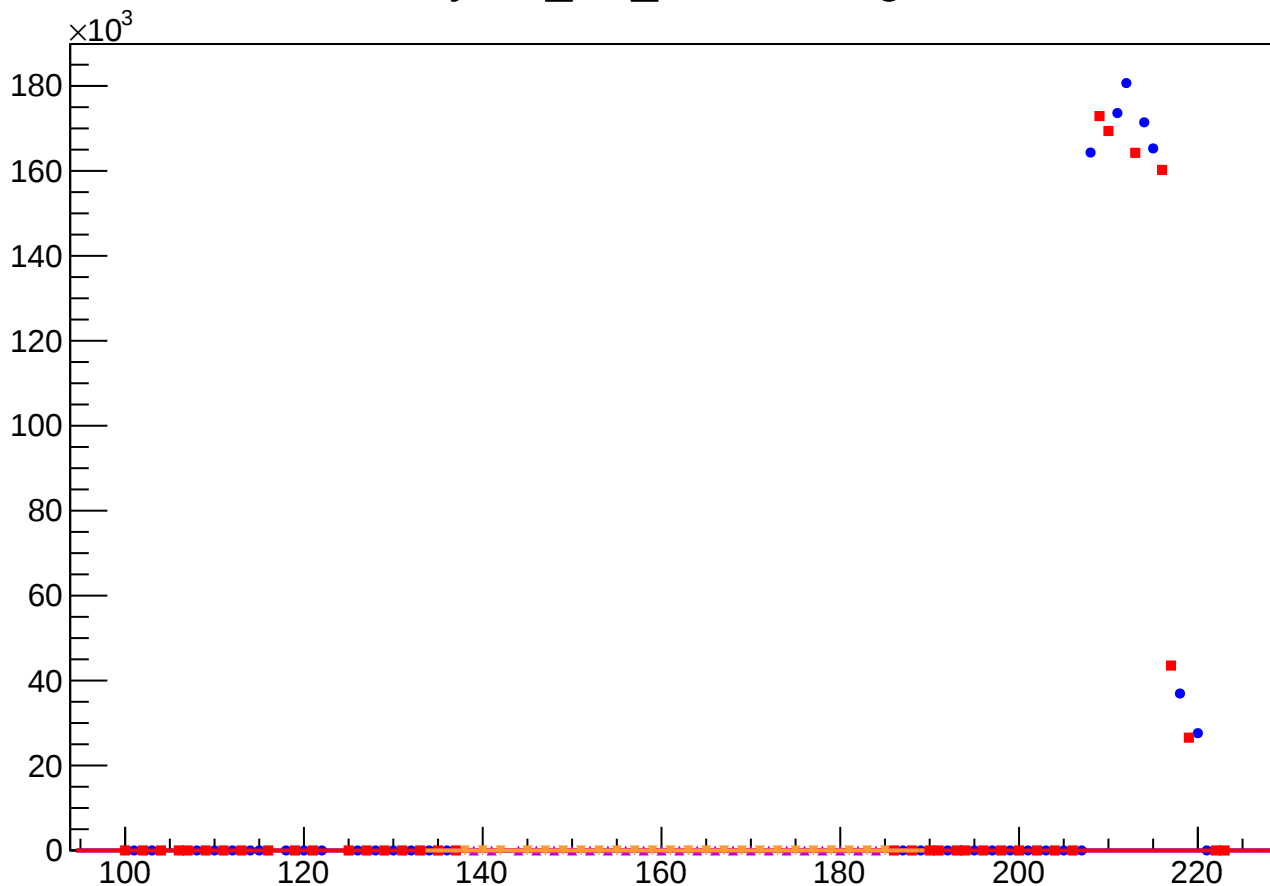
- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 9136728.1/60

yield_dsl_mean vs Slug



Right In: 52.944 $\pm$ 0.000 χ^2 /NDF: 11400771048043.2/33
 Left Out: 83.402 $\pm$ 0.000 χ^2 /NDF: 8756634444.3/23
 Right Out: 48.397 $\pm$ 0.000 χ^2 /NDF: 12431746691796.8/37
 Left In: 83.309 $\pm$ 0.000 χ^2 /NDF: 8421247810.9/22
 + sign 70.531 $\pm$ 0.000 χ^2 /NDF: 14658264910308.9
 All: 69.063 $\pm$ 0.000 χ^2 /NDF: 3170219957460
 - sign 67.665 $\pm$ 0.000 χ^2 /NDF: 16983569799208.0

yield_dsl_rms vs Slug



Right In: 0.047 $\pm$ 0.000 χ^2 /NDF: 10059794.0/33

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:206685.9/23

Right Out: 0.048 $\pm$ 0.000 χ^2 /NDF: 8720874.9/37

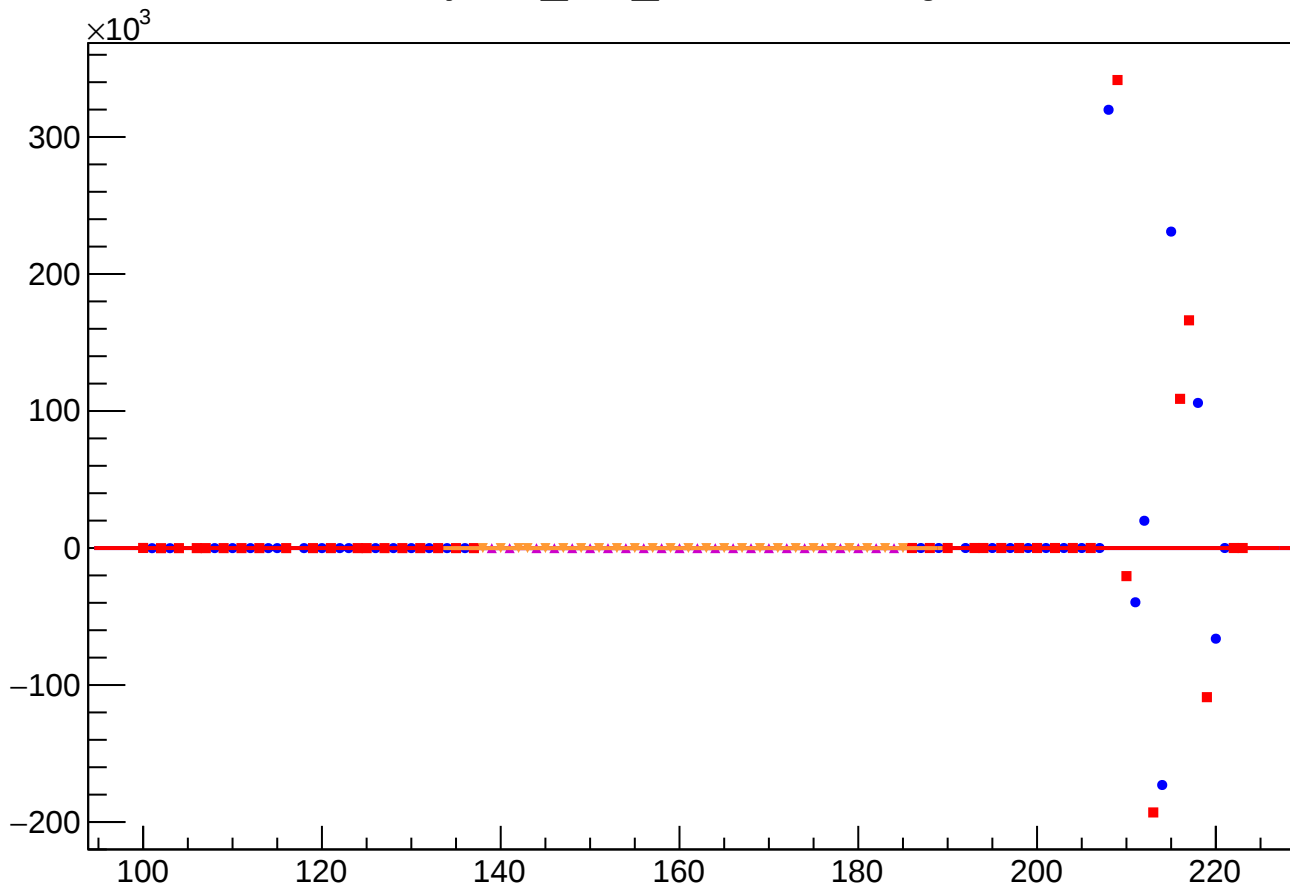
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.046 $\pm$ 0.000 χ^2 /NDF: 10295429.4/57

All: 0.046 $\pm$ 0.000 χ^2 /NDF: 19302230.5/118

- sign 0.046 $\pm$ 0.000 χ^2 /NDF: 9006726.7/60

yield_dsr_mean vs Slug



Right In: -28.423+/-0.000 χ^2/NDF : 7715176965080.7/34

Left Out: -69.461+/-0.000 χ^2/NDF :49572401.9/24

Right Out: -26.705 $\pm$ 0.000 χ^2 /NDF: 7637808414562.3/37

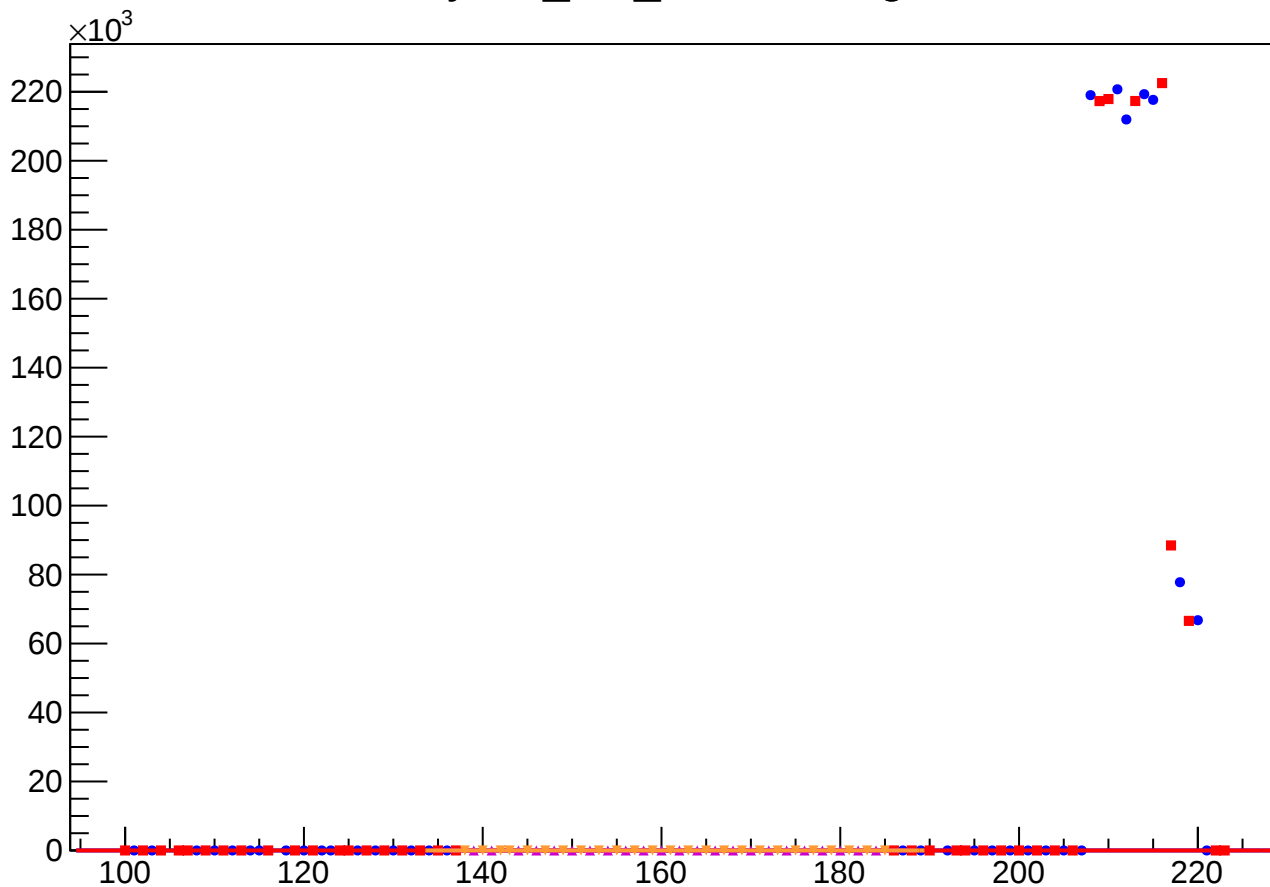
Left In: -69.458+/-0.000 χ^2/NDF :52798704.3/22

$$+ \text{sign } -50.131 \pm 0.000 \quad \chi^2/\text{NDF}: 12340363942250.3$$

All: -48.847+/-0.000 χ^2/NDF : 251121328657

- sign -47.579+/-0.000 χ^2/NDF : 12735668462626.9

yield_dsr_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 10020347.2/34

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 8600293.9/37

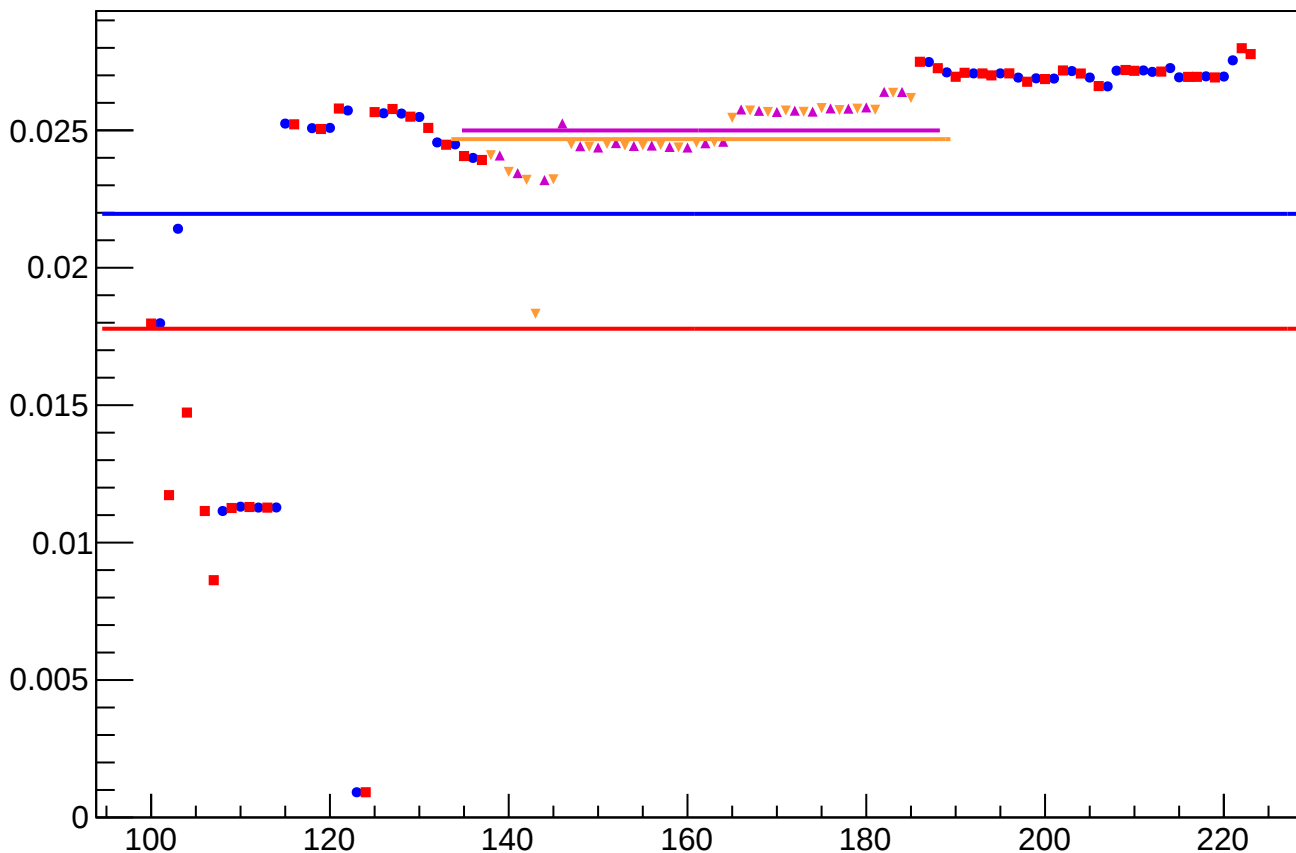
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 10117677.5/59

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 18839927.3/120

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 8722104.2/60

yield_atl1_mean vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 212088057630.3/34

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 478816471523.4/38

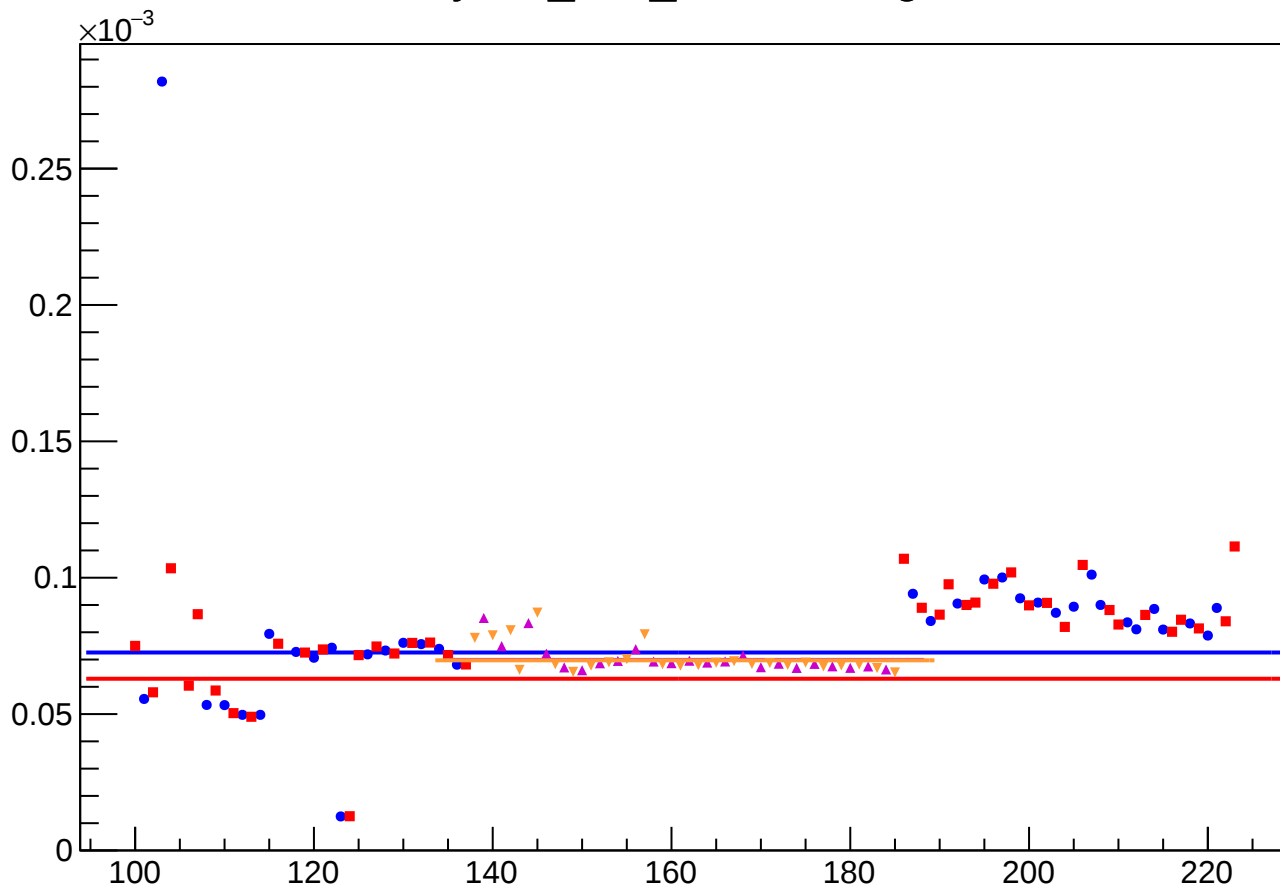
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 234726266763.7/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 832773689621.4

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 579387990853.2/61

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3753564.1/34

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7627074.7/38

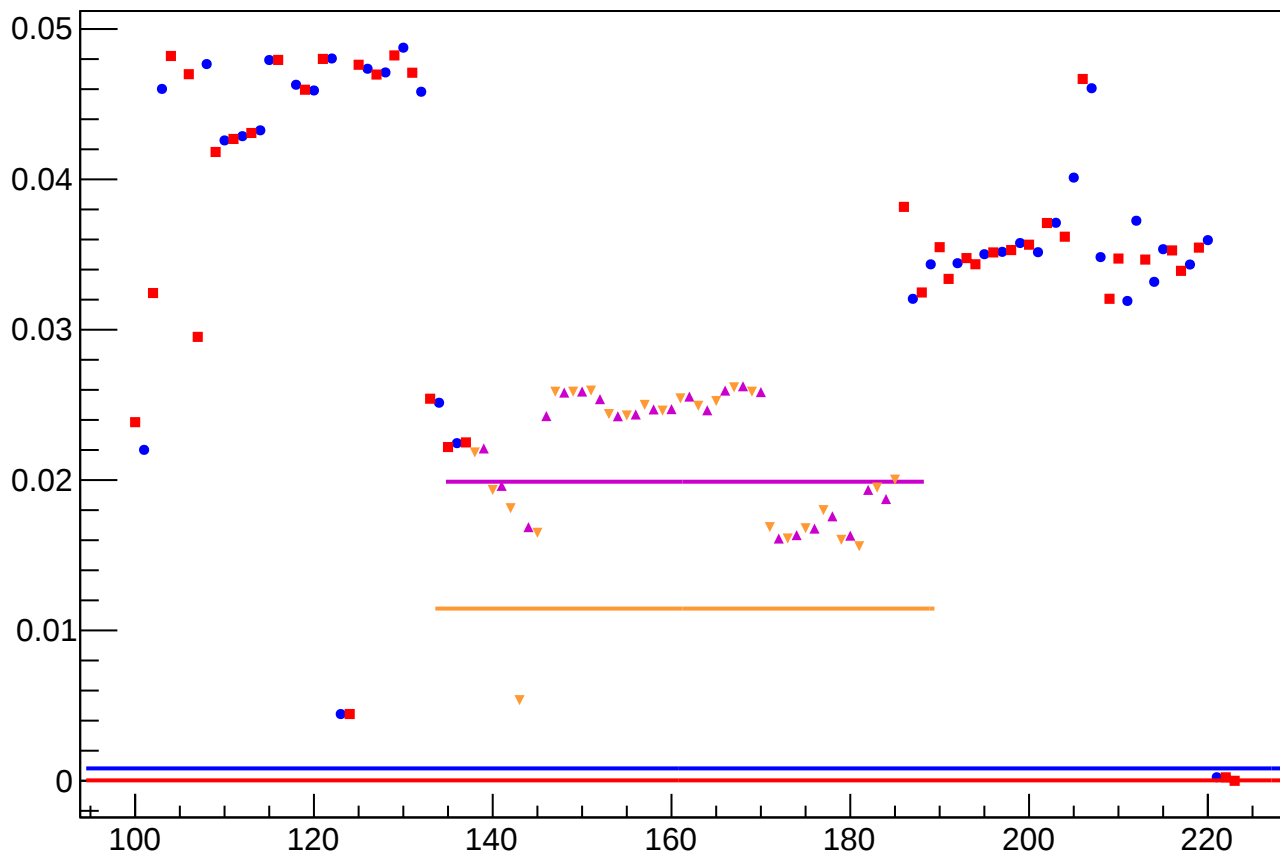
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 3940617.0/59

All: 0.000+/-0.000 χ^2/NDF : 12052372.2/121

- sign 0.000+/-0.000 χ^2/NDF : 7935749.2/61

yield_atl2_mean vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 123172165300.1/34

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 40294472965.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 125942180856.6/38

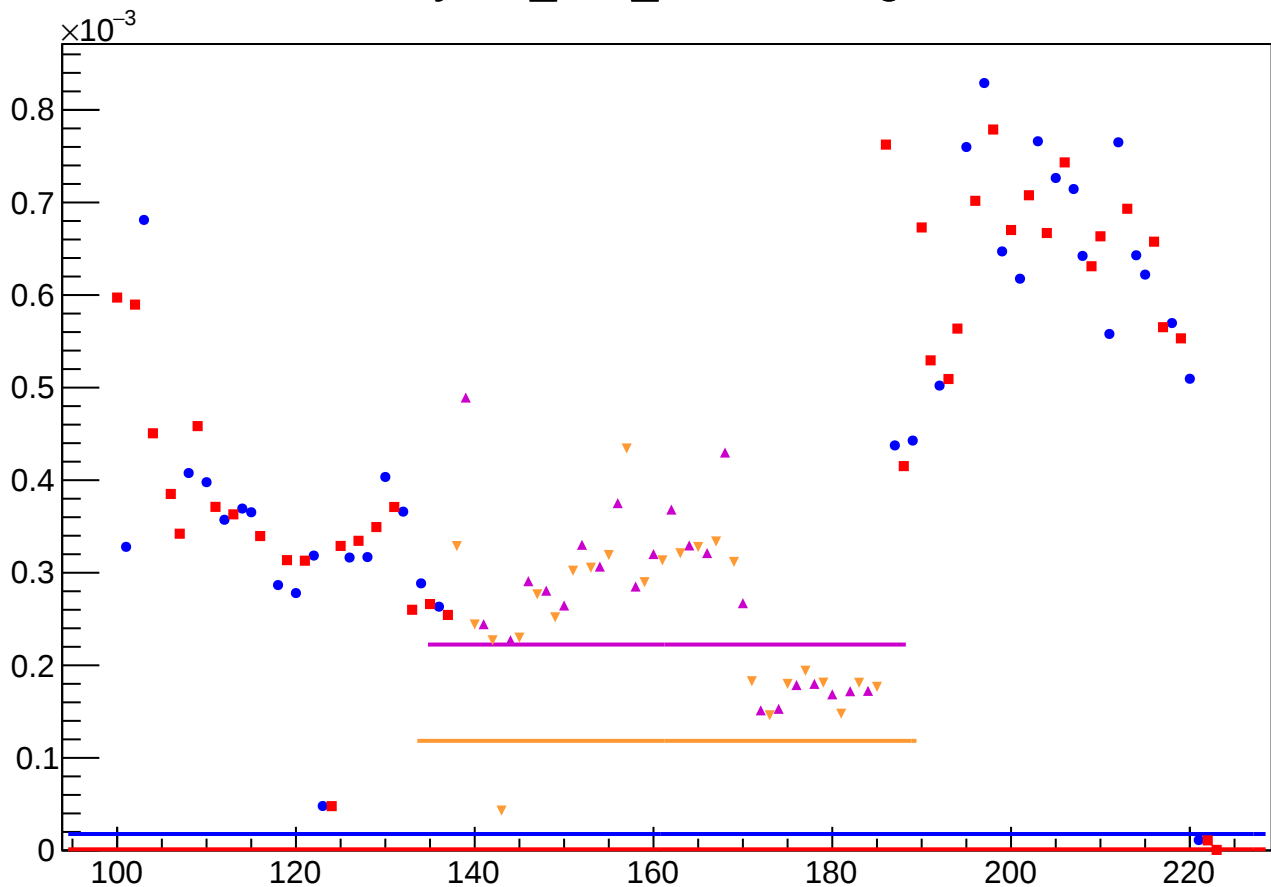
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4458790813.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 235016487457.2/59

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 504319815619.9

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 245552244036.5/61

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 33318878.6/34

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 37404706.3/38

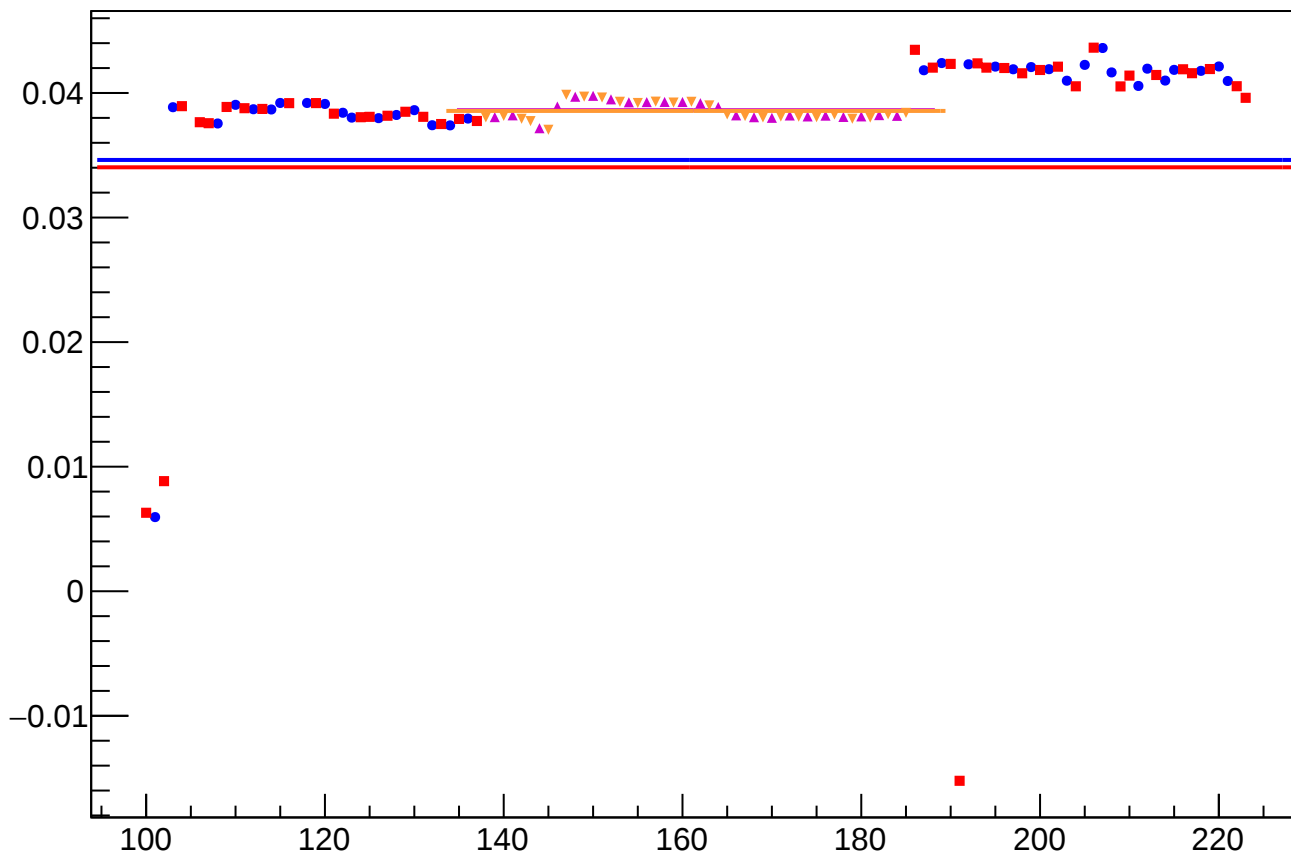
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 59707425.6/59

All: 0.000+/-0.000 χ^2/NDF : 138214645.0/121

- sign 0.000+/-0.000 χ^2/NDF : 69247463.4/61

yield_atr1_mean vs Slug



Right In: 0.035 $\pm$ 0.000 χ^2 /NDF: 124862974811.0/34

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

Right Out: 0.034 $\pm$ 0.000 χ^2 /NDF: 189800160730.2/38

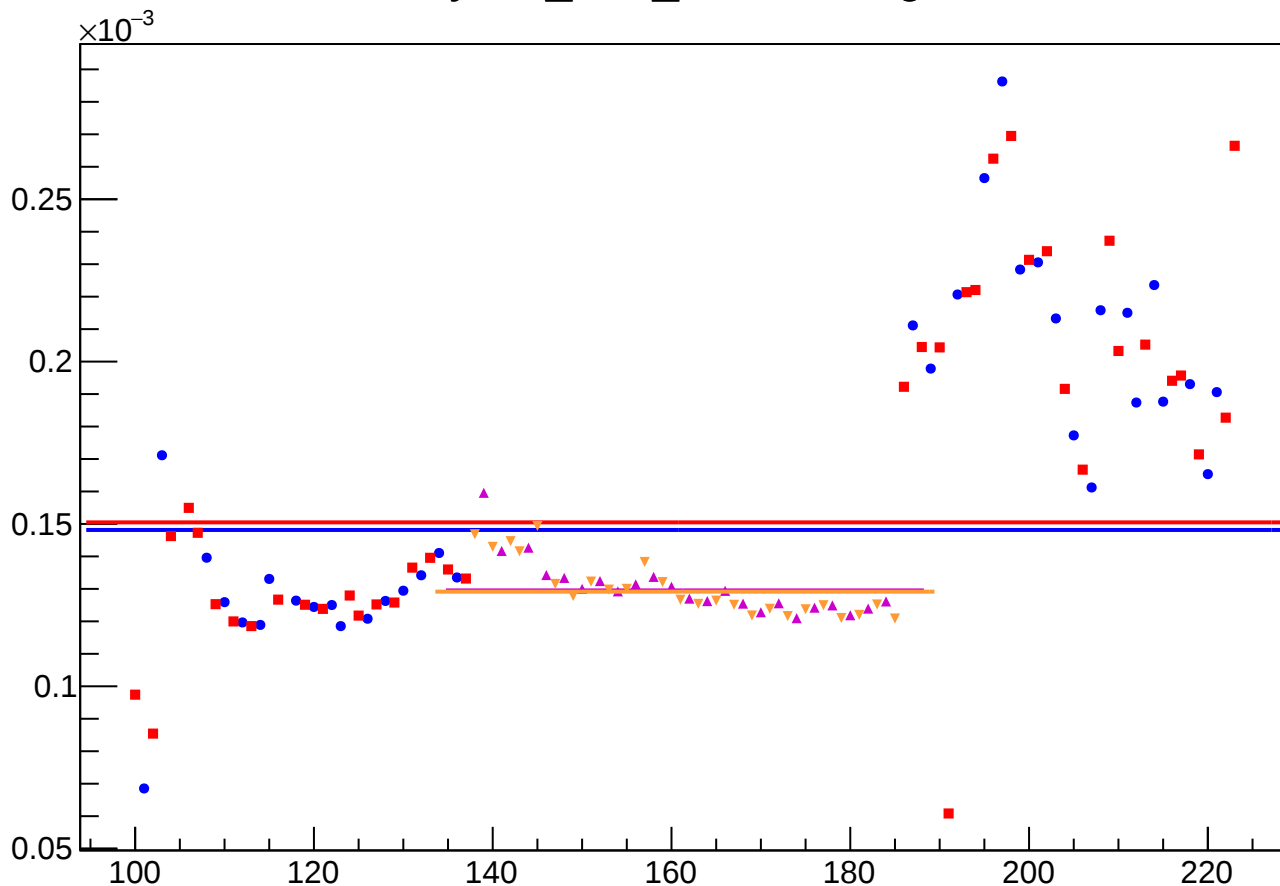
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 132437739042.4/59

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 332106830949.6

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 199594593315.5/61

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4090572.6/34

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3877453.8/38

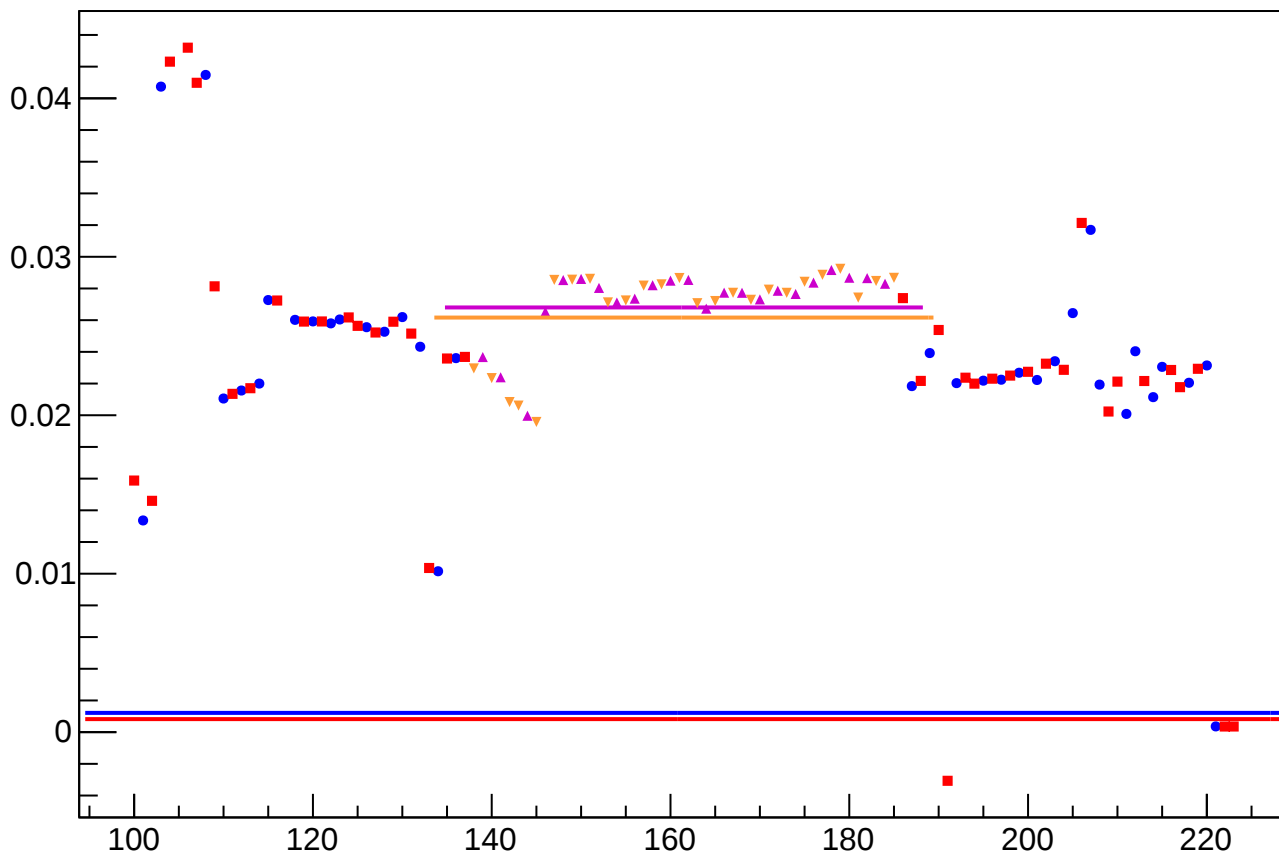
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4548677.8/59

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8934779.7/121

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4381830.7/61

yield_atr2_mean vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 65112578403.1/34

Left Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 2056710635.1/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 71090523866.9/38

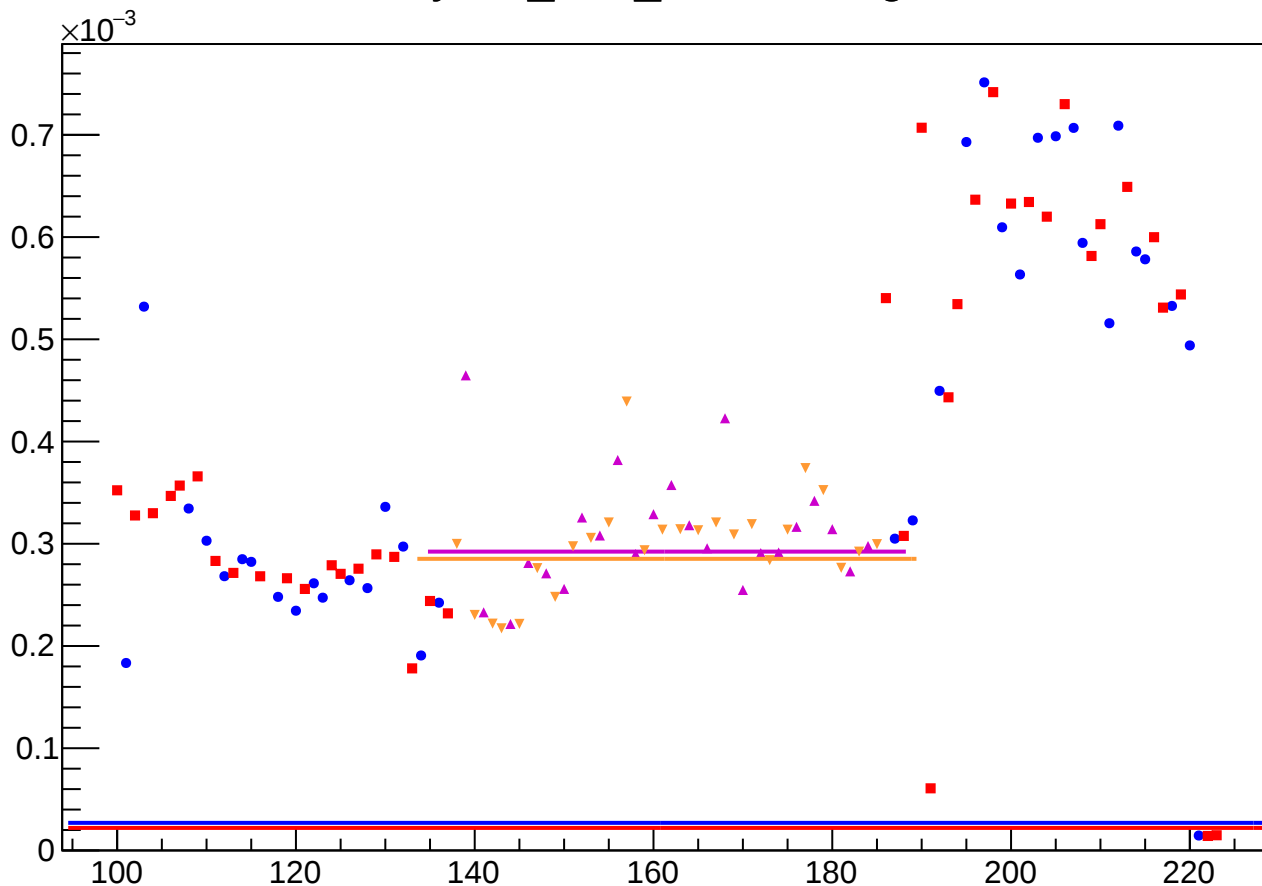
Left In: 0.027 $\pm$ 0.000 χ^2 /NDF: 1332033607.7/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 185349765177.6/59

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 380800783839.2

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 193204933975.8/61

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 31908942.7/34

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 32733124.7/38

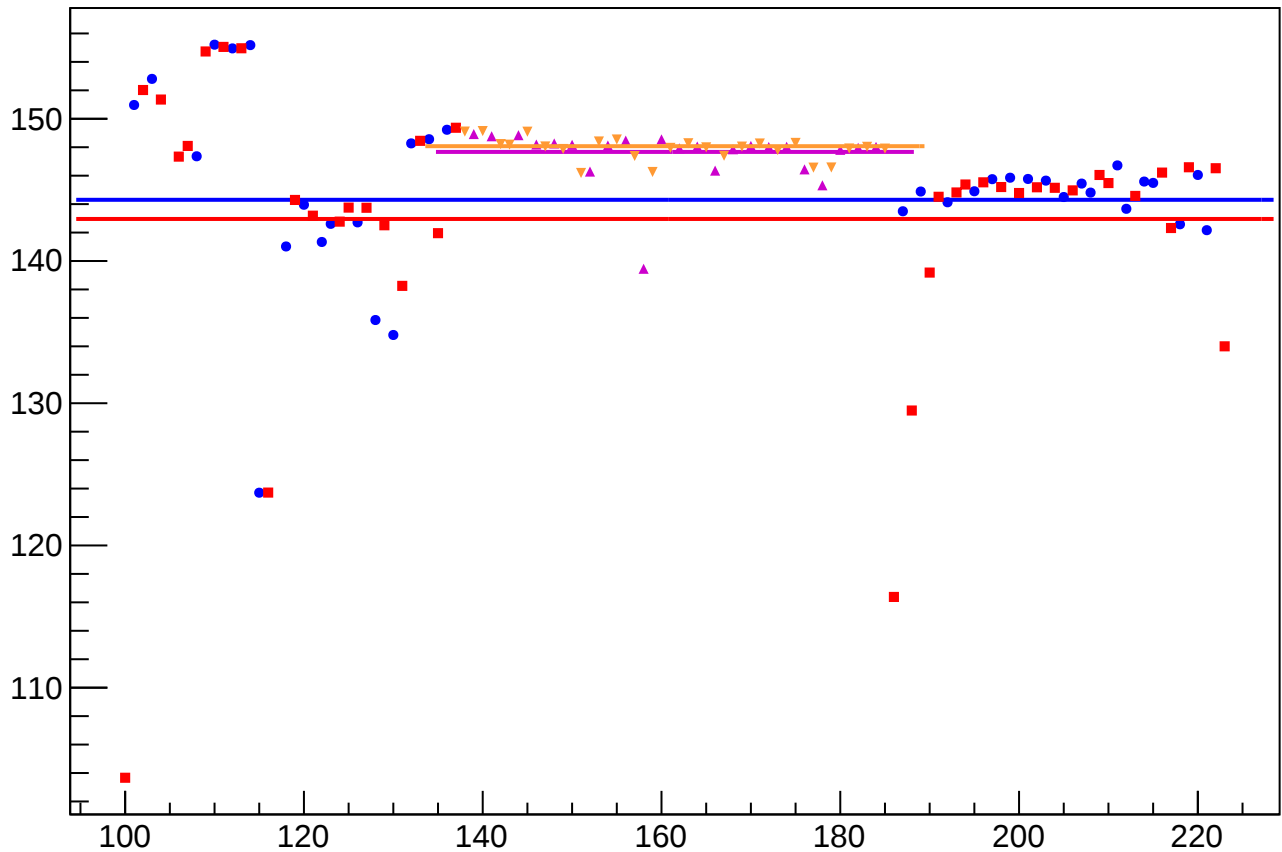
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 58050339.5/59

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 118389642.6/121

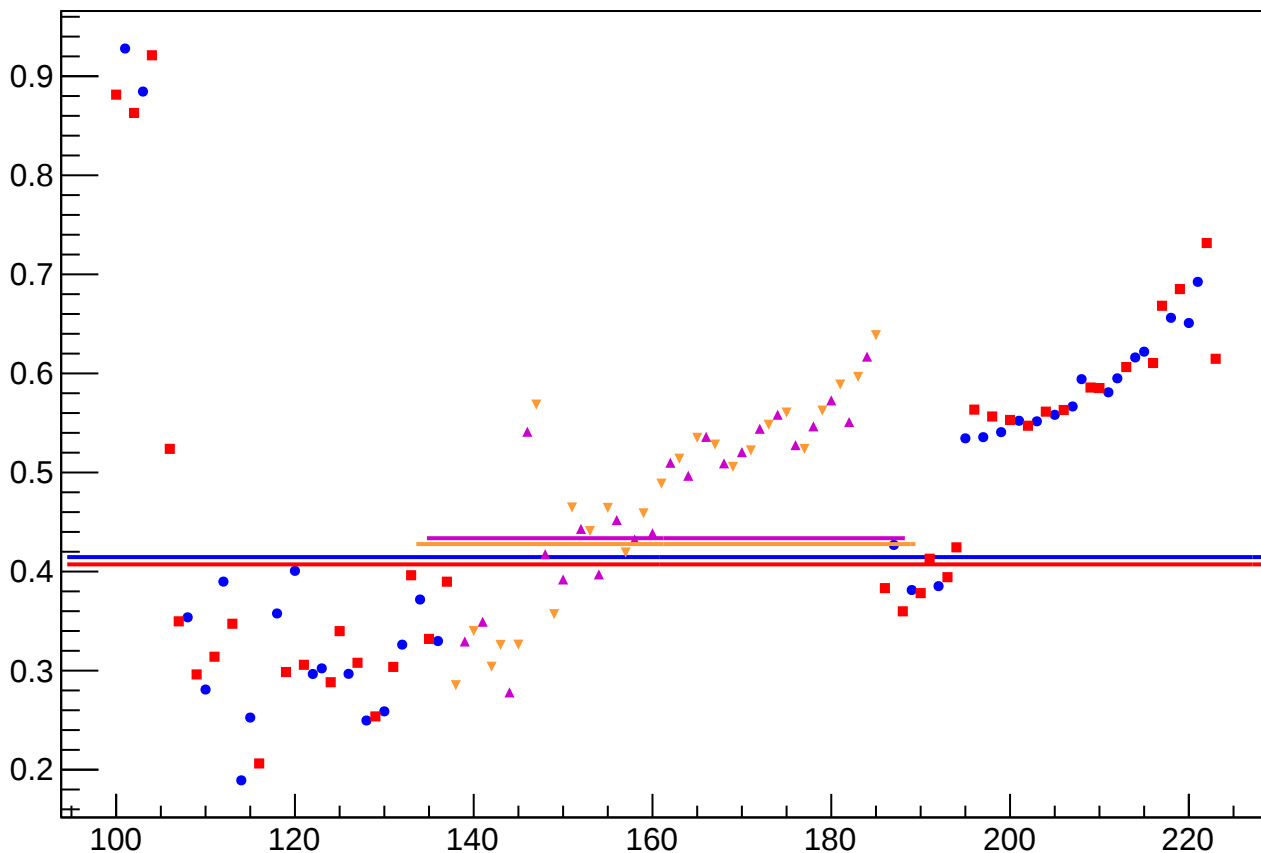
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59777793.5/61

yield_bcm_an_ds_mean vs Slug



Right In: 144.304 $\pm$ 0.000	χ^2 /NDF: 3529573005.2/34	+ sign 146.136 $\pm$ 0.000	χ^2 /NDF: 4272615093.8/59
Left Out: 148.073 $\pm$ 0.000	χ^2 /NDF: 65614067.4/24	All: 145.599 $\pm$ 0.000	χ^2 /NDF: 13369911780.
Right Out: 142.956 $\pm$ 0.000	χ^2 /NDF: 7581783710.9/38	- sign 145.068 $\pm$ 0.000	χ^2 /NDF: 8987777756.7/61
Left In: 147.670 $\pm$ 0.000	χ^2 /NDF: 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.415 $\pm$ 0.000 χ^2 /NDF: 4387851.3/34

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1896808.7/24

Right Out: 0.407 $\pm$ 0.000 χ^2 /NDF: 4203664.6/38

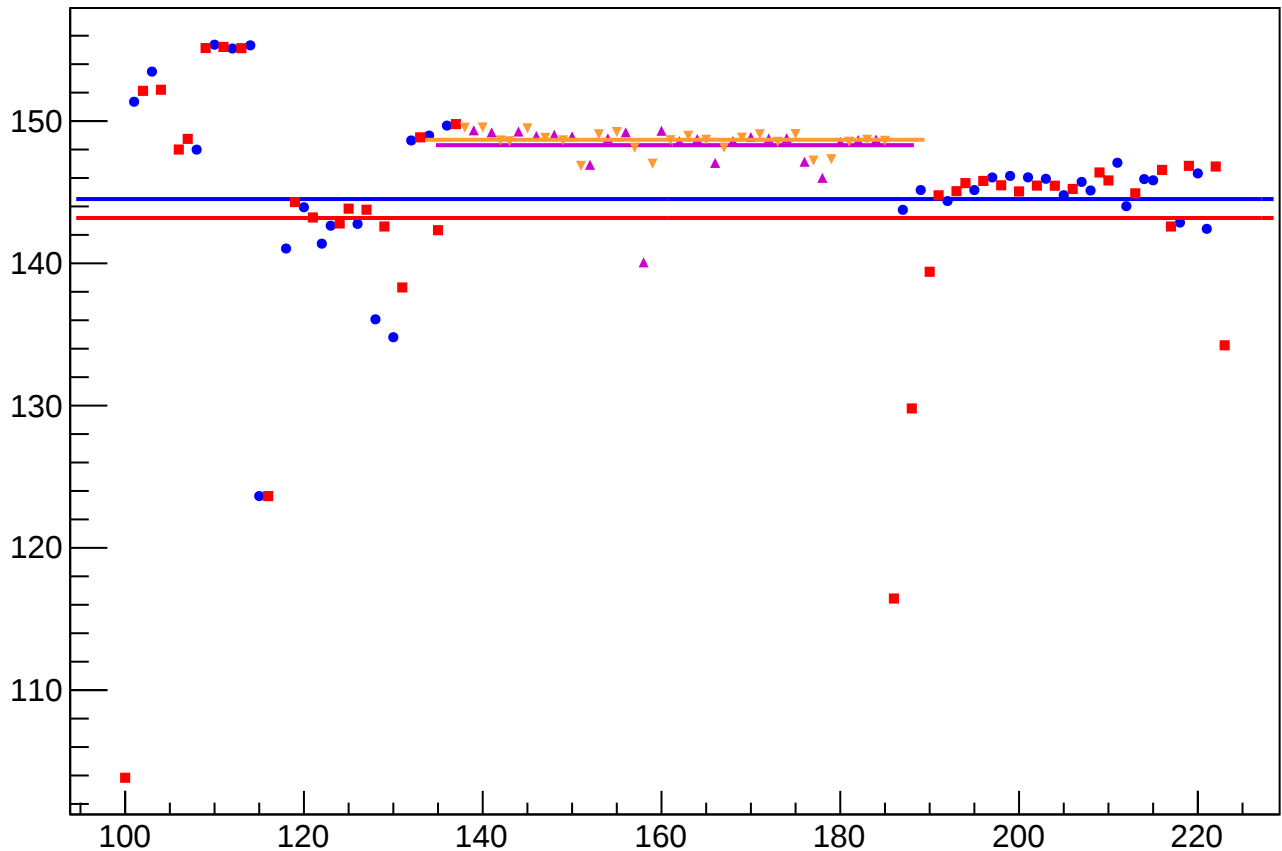
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

+ sign 0.421 $\pm$ 0.000 χ^2 /NDF: 6301110.6/59

All: 0.420 $\pm$ 0.000 χ^2 /NDF: 12068460.1/121

- sign 0.419 $\pm$ 0.000 χ^2 /NDF: 5766656.9/61

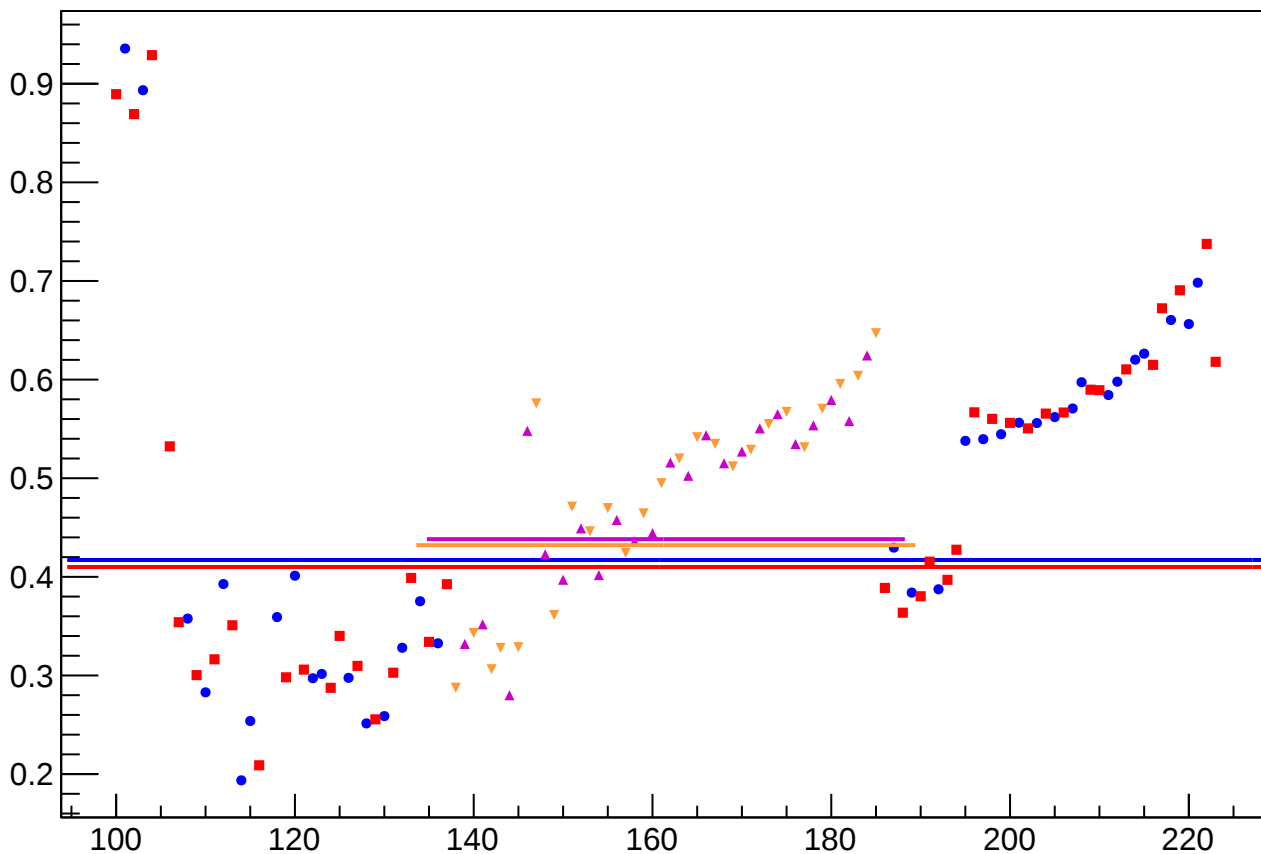
yield_bcm_an_ds3_mean vs Slug



Right In: 144.520 ± 0.000 χ^2/NDF : 3580419325.8/34
 Left Out: 148.686 ± 0.000 χ^2/NDF : 52218185.1/24
 Right Out: 143.187 ± 0.000 χ^2/NDF : 7533934683.4/38
 Left In: 148.307 ± 0.000 χ^2/NDF : 333585558.2/22

+ sign 146.536 ± 0.000 χ^2/NDF : 4446389039.1/59
 All: 146.000 ± 0.000 χ^2/NDF : 13650410533.
 - sign 145.470 ± 0.000 χ^2/NDF : 9096824681.1/61

yield_bcm_an_ds3_rms vs Slug



Right In: 0.417 ± 0.000 $\chi^2/\text{NDF}: 4400394.6/34$

Left Out: 0.432 ± 0.000 $\chi^2/\text{NDF}: 1929031.5/24$

Right Out: 0.410 ± 0.000 $\chi^2/\text{NDF}: 4209063.4/38$

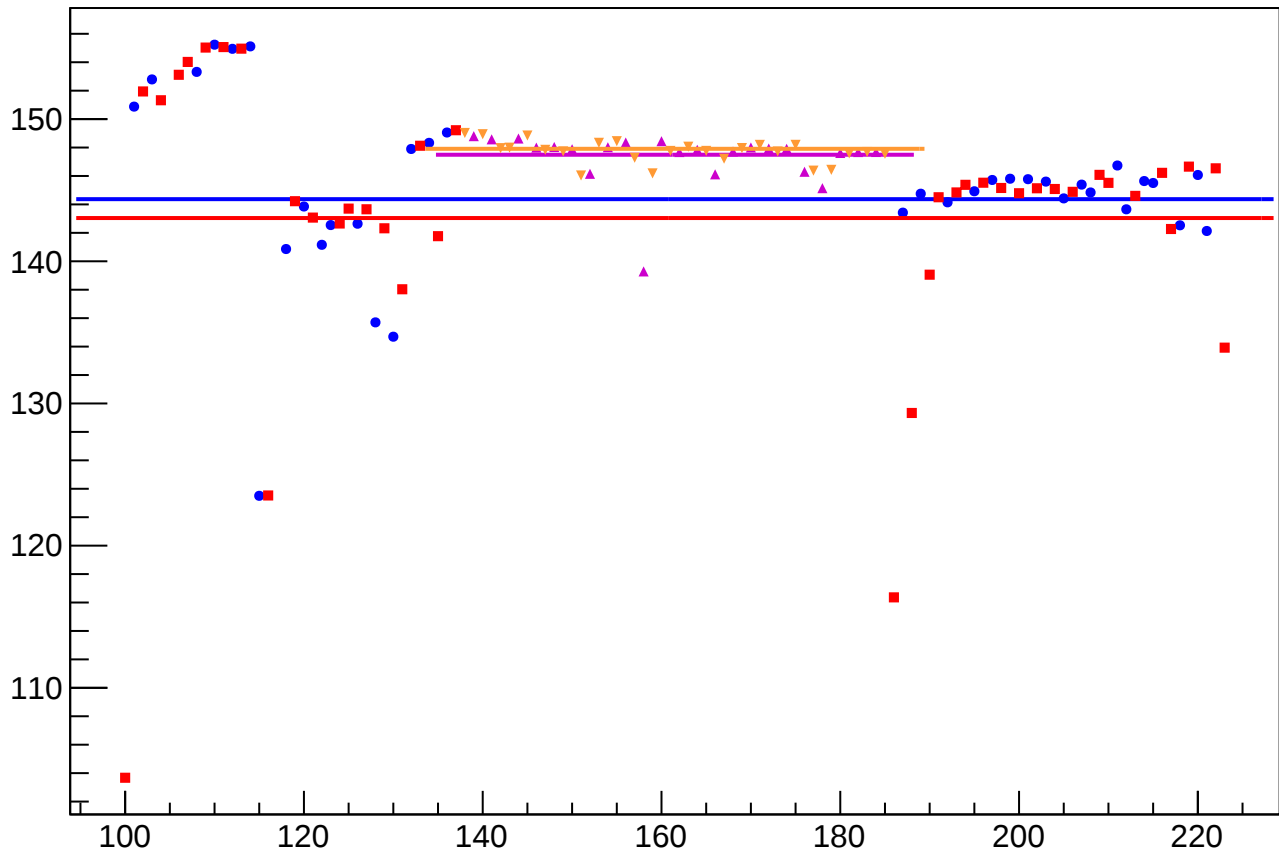
Left In: 0.438 ± 0.000 $\chi^2/\text{NDF}: 1521893.6/22$

+ sign 0.424 ± 0.000 $\chi^2/\text{NDF}: 6350631.7/59$

All: 0.423 ± 0.000 $\chi^2/\text{NDF}: 12157009.2/121$

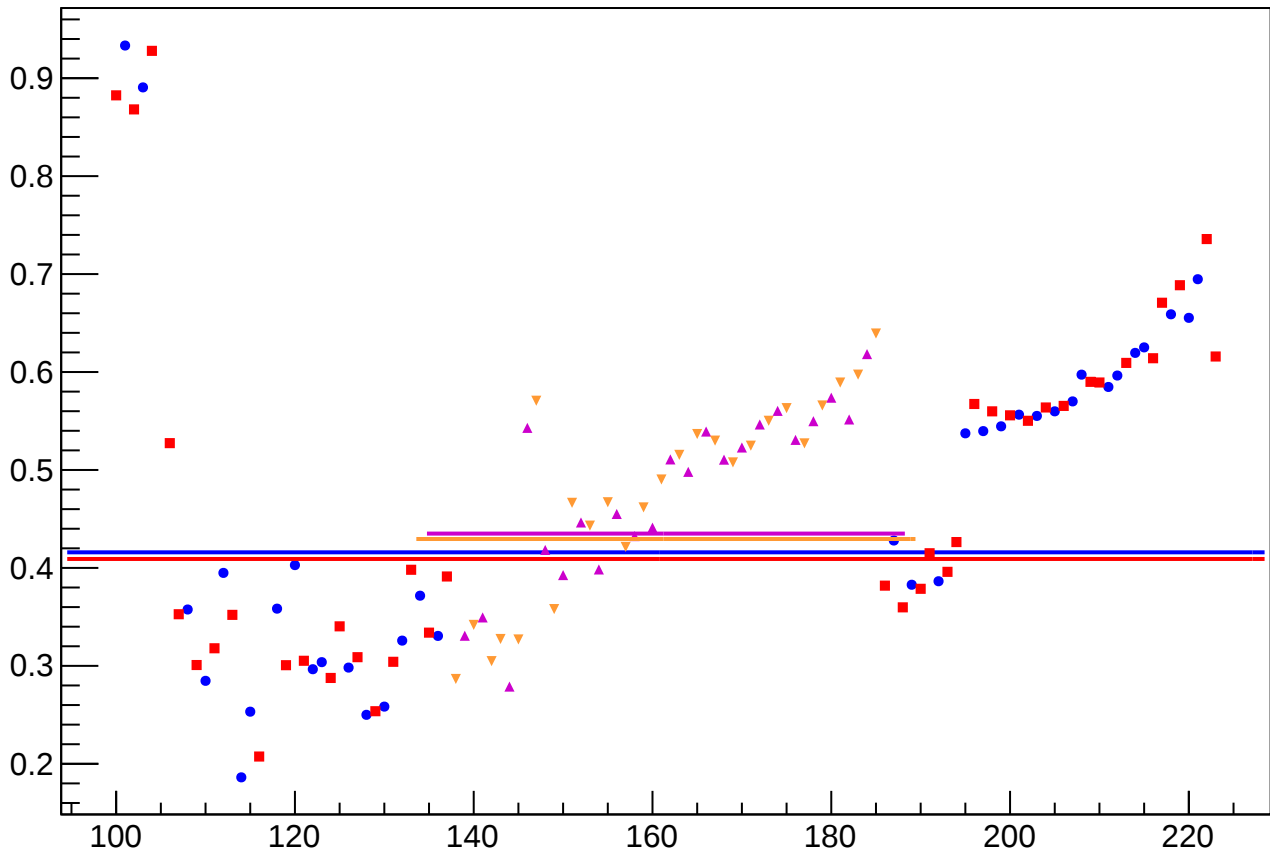
- sign 0.423 ± 0.000 $\chi^2/\text{NDF}: 5805761.3/61$

yield_bcm_an_us_mean vs Slug



Right In: 144.369+/-0.000	χ^2/NDF : 3736039256.8/34	+ sign 146.091+/-0.000	χ^2/NDF : 4393708091.4/59
Left Out: 147.911+/-0.000	χ^2/NDF : 64412407.9/24	All: 145.562+/-0.000	χ^2/NDF : 13737724552.
Right Out: 143.041+/-0.000	χ^2/NDF : 7956062961.7/38	- sign 145.039+/-0.000	χ^2/NDF : 9238663440.9/61
Left In: 147.493+/-0.000	χ^2/NDF : 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.416 $\pm$ 0.000 χ^2 /NDF: 4430538.6/34

Left Out: 0.430 $\pm$ 0.000 χ^2 /NDF:1895701.4/24

Right Out: 0.409 $\pm$ 0.000 χ^2 /NDF: 4210852.3/38

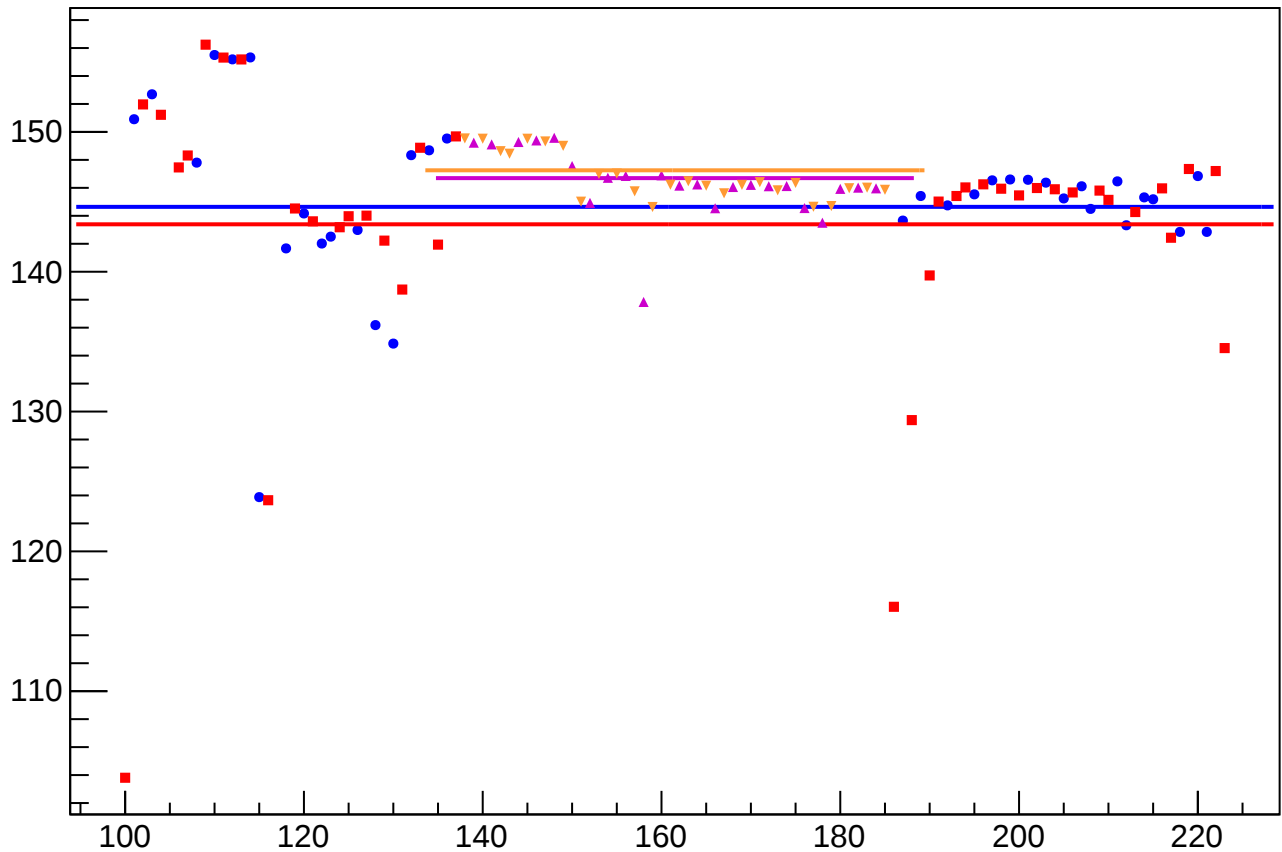
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1502712.5/22

+ sign 0.423 $\pm$ 0.000 χ^2 /NDF: 6343732.7/59

All: 0.422 $\pm$ 0.000 χ^2 /NDF: 12121499.5/121

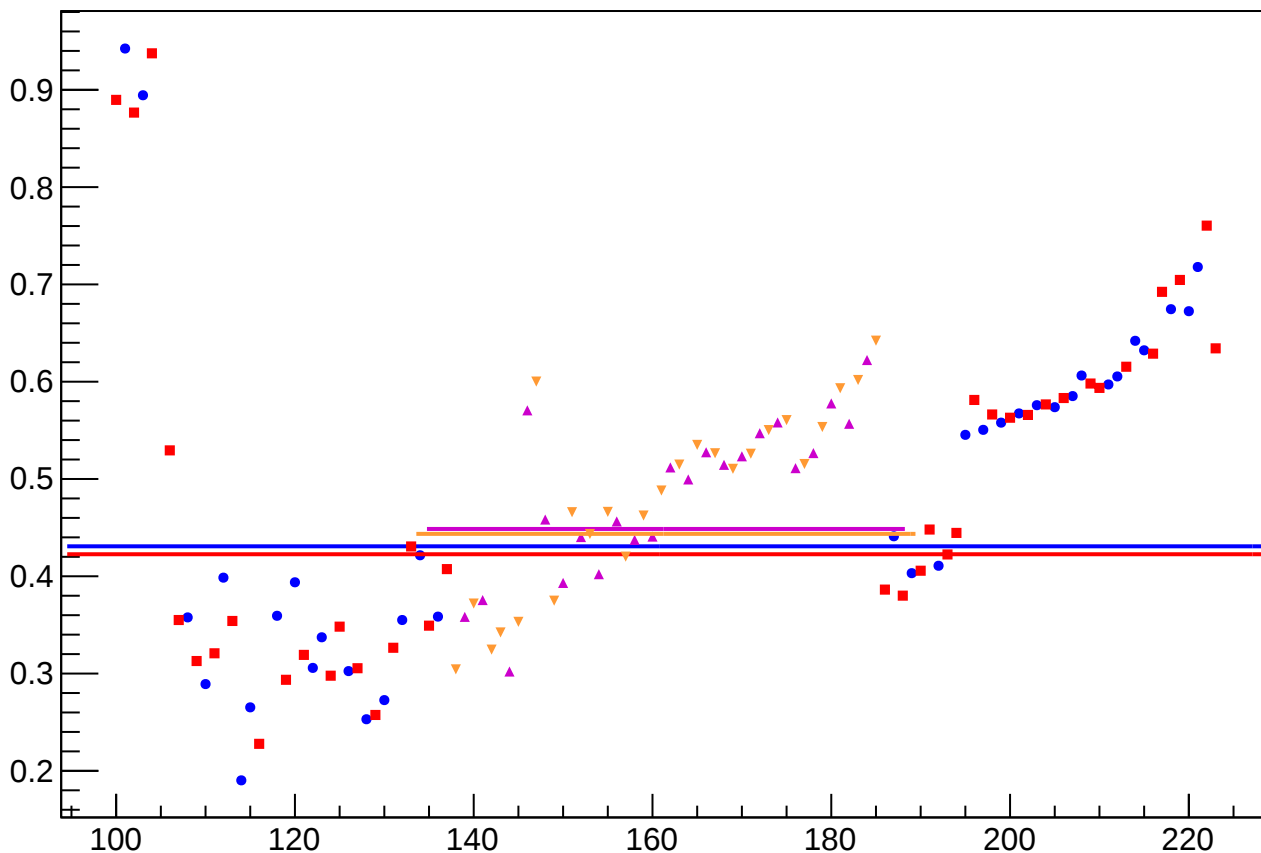
- sign 0.421 $\pm$ 0.000 χ^2 /NDF: 5777173.4/61

yield_bcm_dg_us_mean vs Slug



Right In: 144.641 $\pm$ 0.000	χ^2 /NDF: 3253939732.7/34	+ sign 145.920 $\pm$ 0.000	χ^2 /NDF: 3819887987.2/59
Left Out: 147.255 $\pm$ 0.000	χ^2 /NDF: 262138049.8/24	All: 145.399 $\pm$ 0.000	χ^2 /NDF: 12227269696.
Right Out: 143.392 $\pm$ 0.000	χ^2 /NDF: 7265659611.2/38	- sign 144.885 $\pm$ 0.000	χ^2 /NDF: 8311409752.4/61
Left In: 146.695 $\pm$ 0.000	χ^2 /NDF: 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.431+/-0.000 χ^2/NDF : 4289069.6/34

Left Out: 0.444+/-0.000 χ^2/NDF :1483434.7/24

Right Out: 0.423+/-0.000 χ^2/NDF : 4091553.9/38

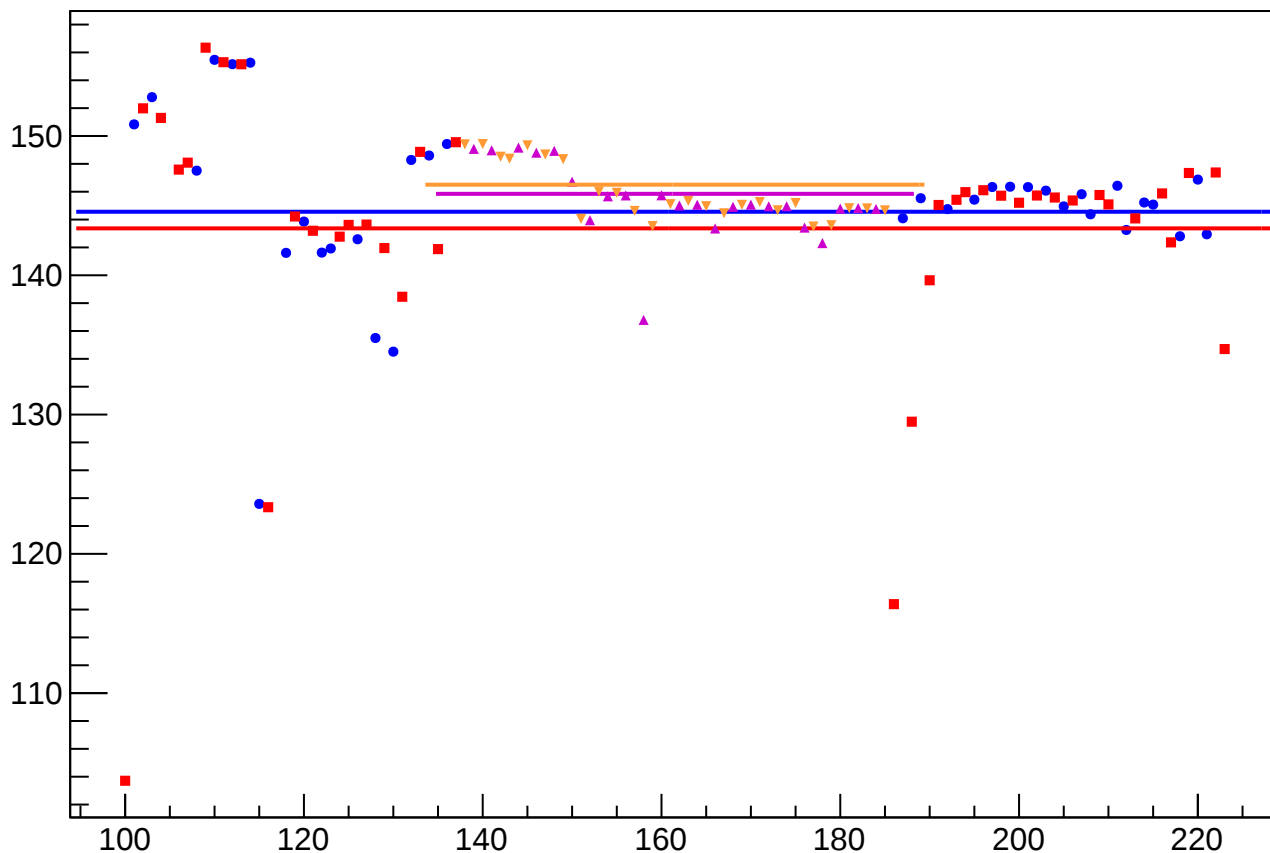
Left In: 0.449+/-0.000 χ^2/NDF :1132620.8/22

+ sign 0.437+/-0.000 χ^2/NDF : 5787046.4/59

All: 0.436+/-0.000 χ^2/NDF : 11072920.3/121

- sign 0.434+/-0.000 χ^2/NDF : 5284603.9/61

yield_bcm_dg_ds_mean vs Slug



Right In: 144.561 $\pm$ 0.000 χ^2 /NDF: 3363100609.6/34

Left Out: 146.505 $\pm$ 0.000 χ^2 /NDF: 401688176.3/24

Right Out: 143.368 $\pm$ 0.000 χ^2 /NDF: 7215117512.7/38

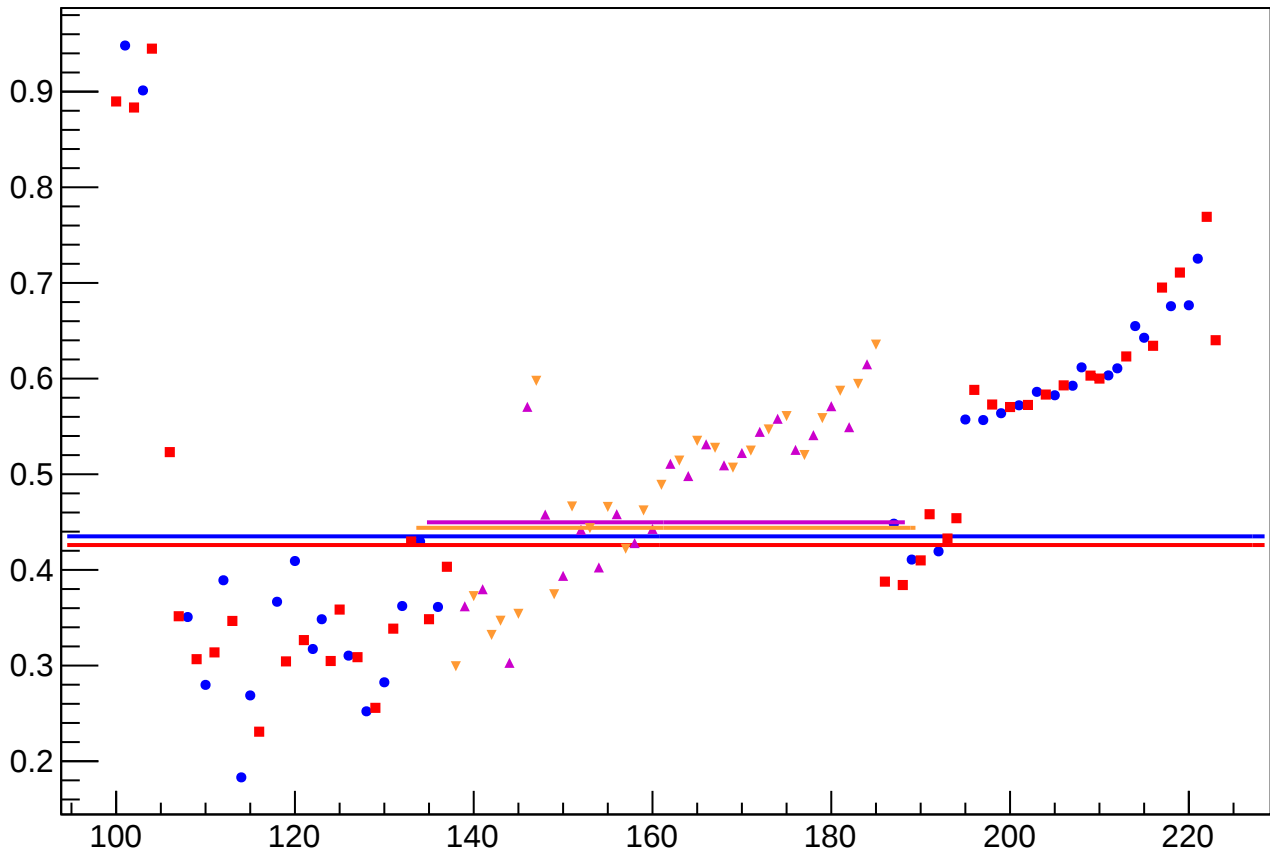
Left In: 145.847 $\pm$ 0.000 χ^2 /NDF: 694764545.6/22

+ sign 145.523 $\pm$ 0.000 χ^2 /NDF: 3930688614.2/59

All: 145.006 $\pm$ 0.000 χ^2 /NDF: 12205302862.7/119

- sign 144.497 $\pm$ 0.000 χ^2 /NDF: 8181495984.7/61

yield_bcm_dg_ds_rms vs Slug



Right In: 0.435 $\pm$ 0.000 χ^2 /NDF: 4337155.4/34

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1463293.5/24

Right Out: 0.426 $\pm$ 0.000 χ^2 /NDF: 4128052.5/38

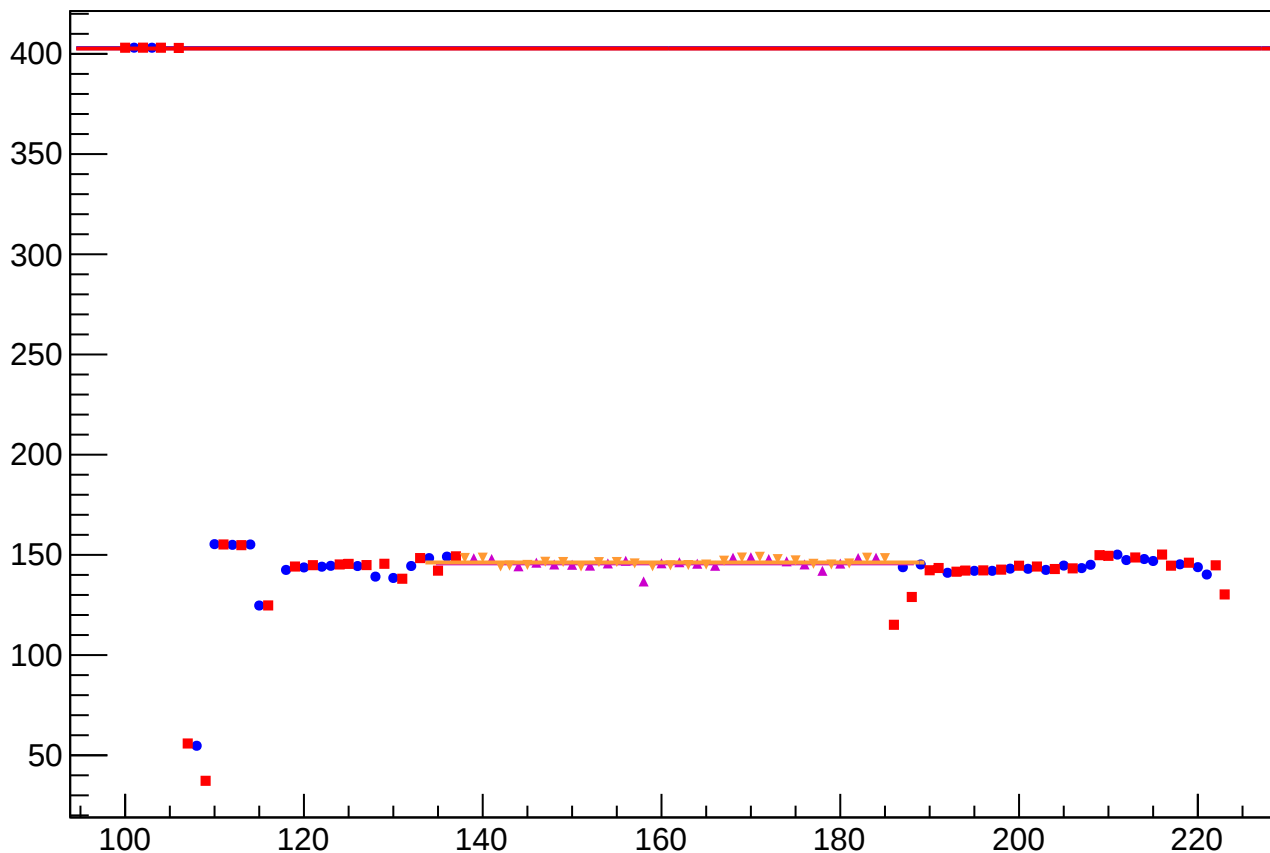
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

+ sign 0.439 $\pm$ 0.000 χ^2 /NDF: 5807438.4/59

All: 0.438 $\pm$ 0.000 χ^2 /NDF: 11092125.4/121

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 5283421.4/61

yield_cav4bQ_mean vs Slug



Right In: 402.837 $\pm$ 0.000 χ^2 /NDF: 2066087617861.5/34

Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24

Right Out: 402.665 $\pm$ 0.000 χ^2 /NDF: 4332456063145.3/38

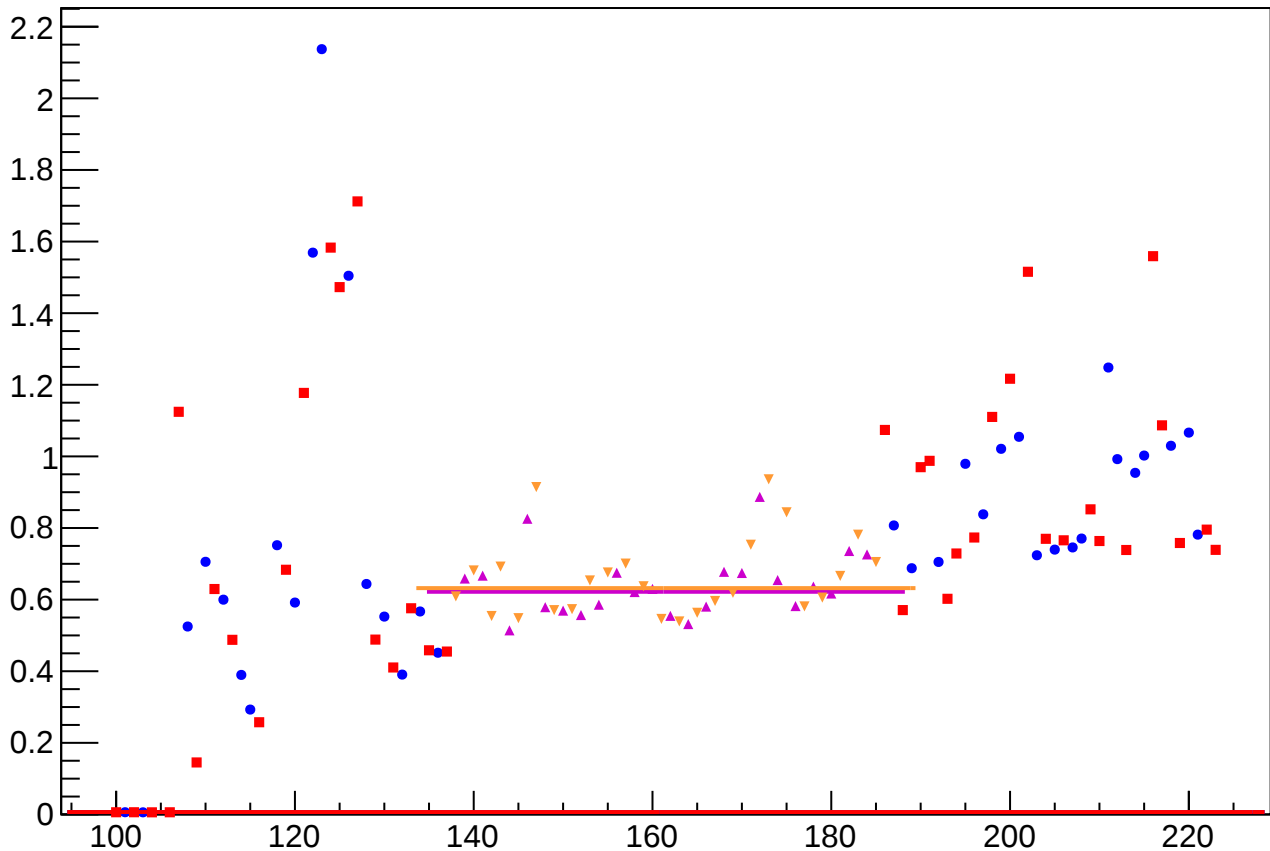
Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

+ sign 402.541 $\pm$ 0.000 χ^2 /NDF: 4435861971859.7

All: 402.470 $\pm$ 0.000 χ^2 /NDF: 111136234530

- sign 402.406 $\pm$ 0.000 χ^2 /NDF: 6677461688172.0

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 30355154.6/34

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:614155.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 32586950.2/38

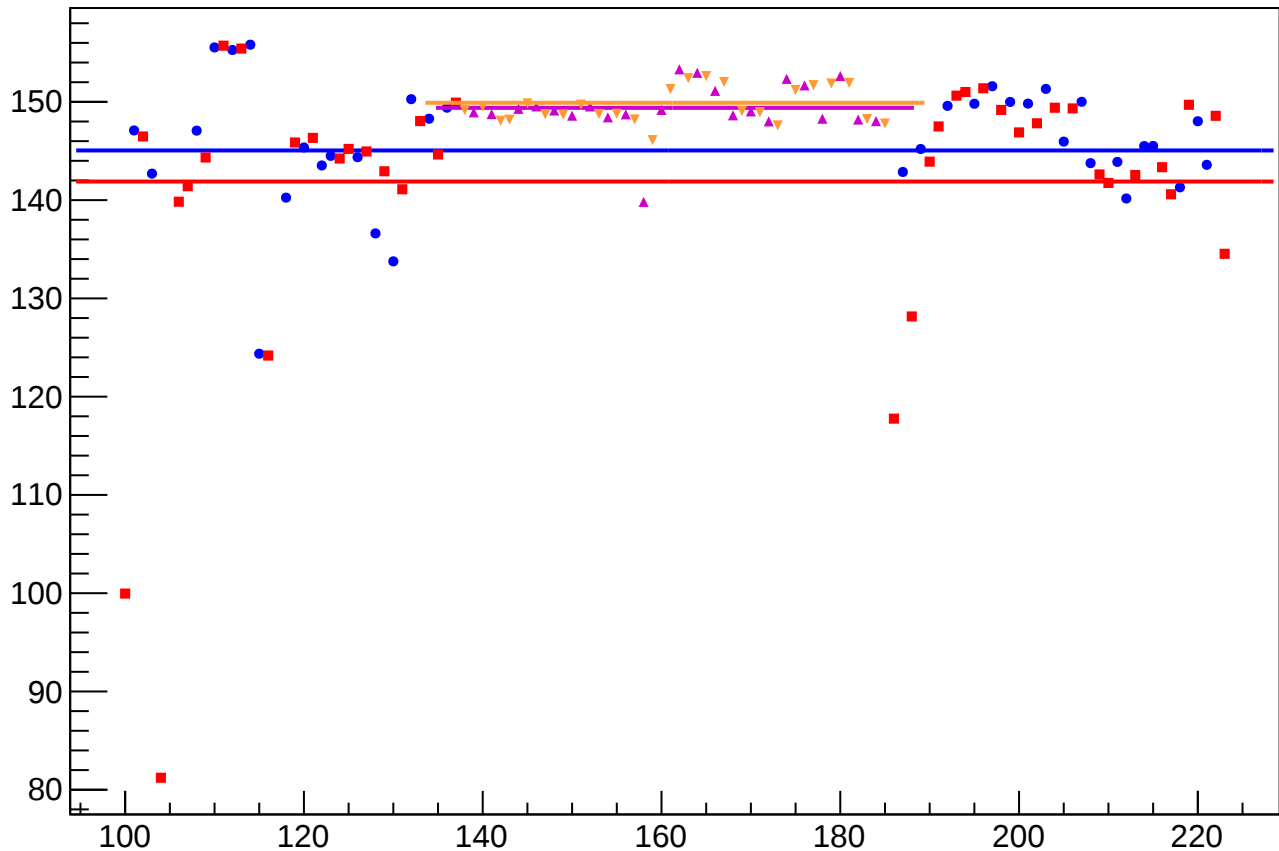
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 59113536.1/59

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 119000991.7/121

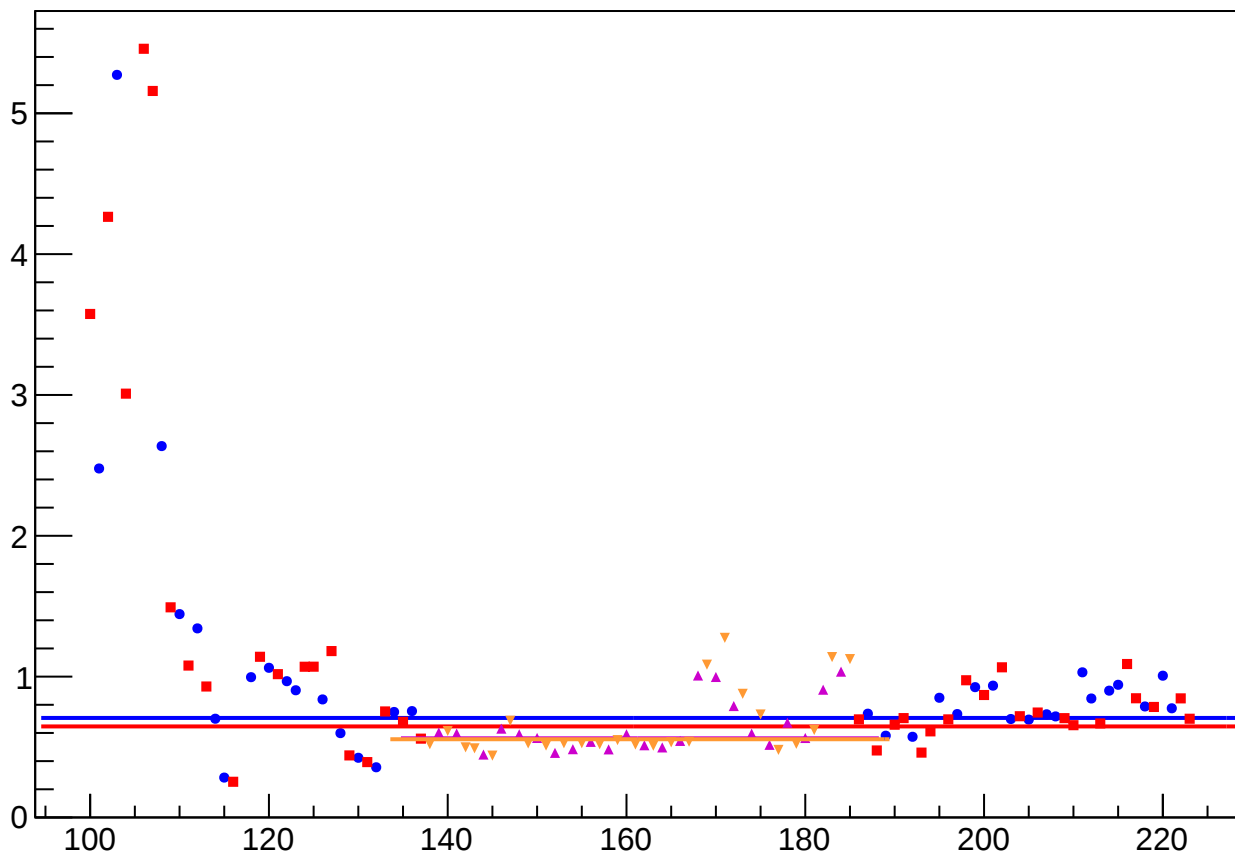
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 59887090.8/61

yield_cav4cQ_mean vs Slug



Right In: 145.054 $\pm$ 0.000	χ^2 /NDF: 1388781927.8/34	+ sign 148.154 $\pm$ 0.000	χ^2 /NDF: 1984929445.8/59
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.151 $\pm$ 0.000	χ^2 /NDF: 7141005874.1
Right Out: 141.892 $\pm$ 0.000	χ^2 /NDF: 3419369315.6/38	- sign 146.189 $\pm$ 0.000	χ^2 /NDF: 4999076906.0/61
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.707 ± 0.000 χ^2/NDF : 4515632.5/34

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.646 ± 0.000 χ^2/NDF : 6062931.9/38

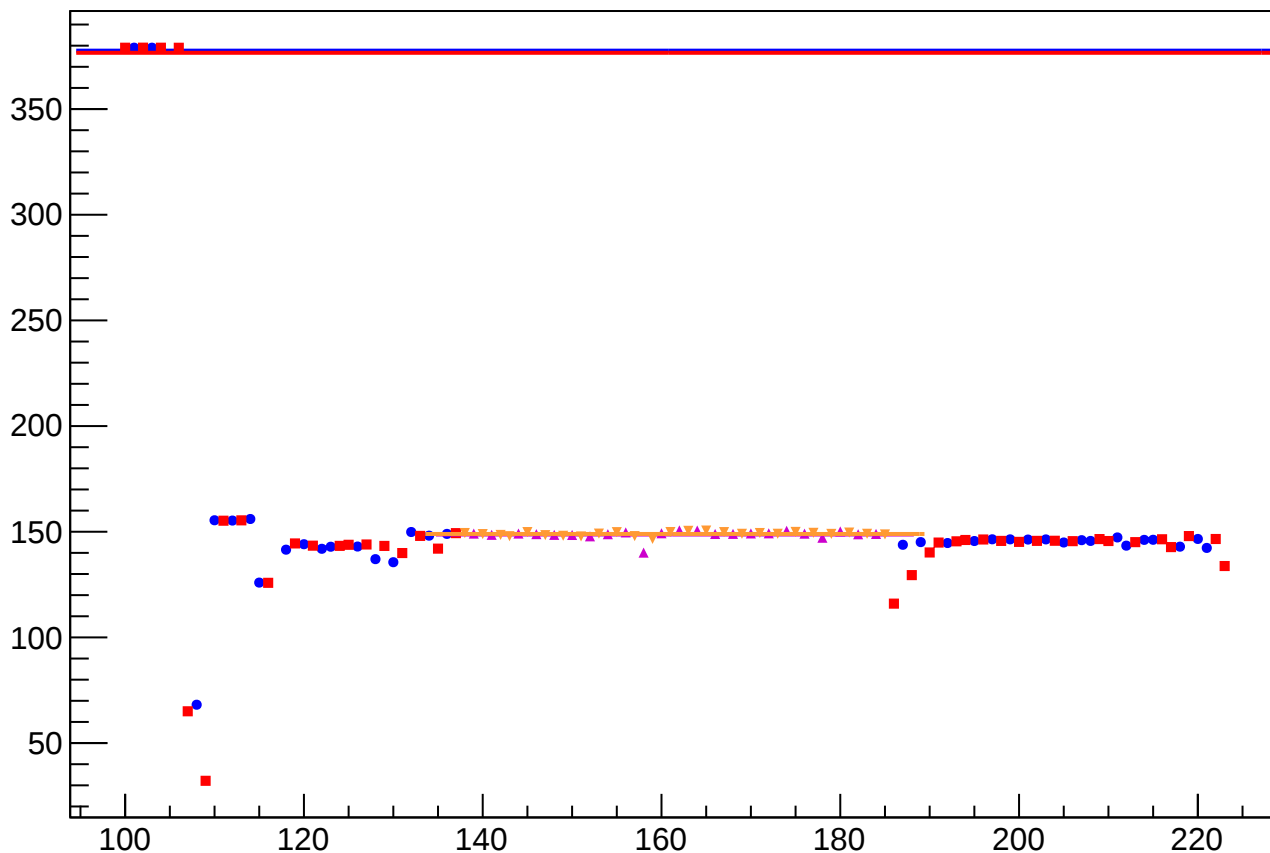
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.610 ± 0.000 χ^2/NDF : 7130148.1/59

All: 0.604 ± 0.000 χ^2/NDF : 14804505.6/121

- sign 0.598 ± 0.000 χ^2/NDF : 7662730.4/61

yield_cav4dQ_mean vs Slug



Right In: 377.639 $\pm$ 0.000 χ^2 /NDF: 4503582911285.3/34

Left Out: 148.946 $\pm$ 0.000 χ^2 /NDF: 63974844.7/24

Right Out: 376.632 $\pm$ 0.000 χ^2 /NDF: 10626909634427.8/38

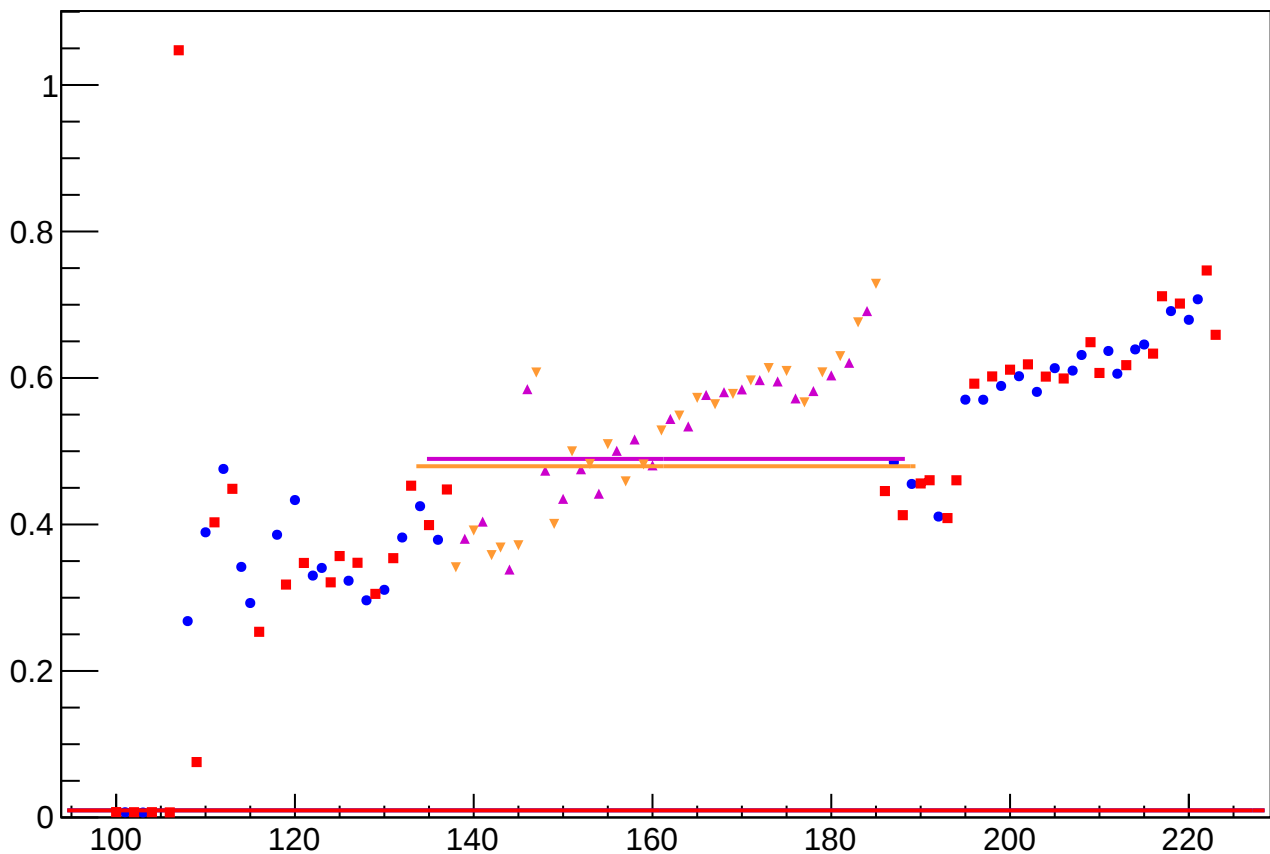
Left In: 148.683 $\pm$ 0.000 χ^2 /NDF: 253848207.3/22

+ sign 376.364 $\pm$ 0.000 χ^2 /NDF: 8397030978958.3

All: 375.960 $\pm$ 0.000 χ^2 /NDF: 225927433273

- sign 375.605 $\pm$ 0.000 χ^2 /NDF: 14191595814811.5

yield_cav4dQ_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 34715944.5/34

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1518765.9/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 35251223.0/38

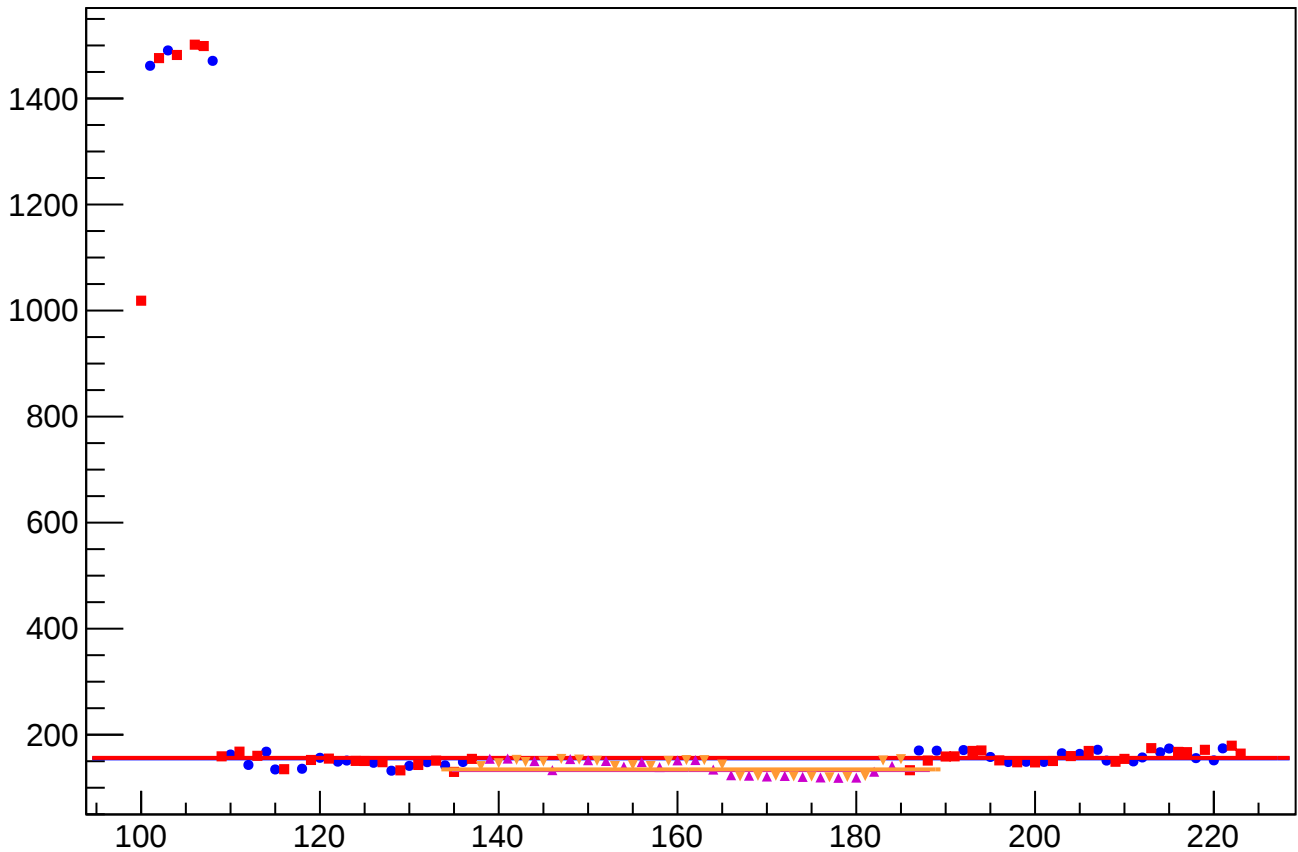
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 69092352.7/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 137030119.2/123

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 67933939.3/61

yield_bcm0l02_mean vs Slug



Right In: 155.364 $\pm$ 0.000 χ^2 /NDF: 26312625578.3/34

Left Out: 134.585 $\pm$ 0.000 χ^2 /NDF: 4387324151.1/24

Right Out: 156.325 $\pm$ 0.000 χ^2 /NDF: 35656951112.2/38

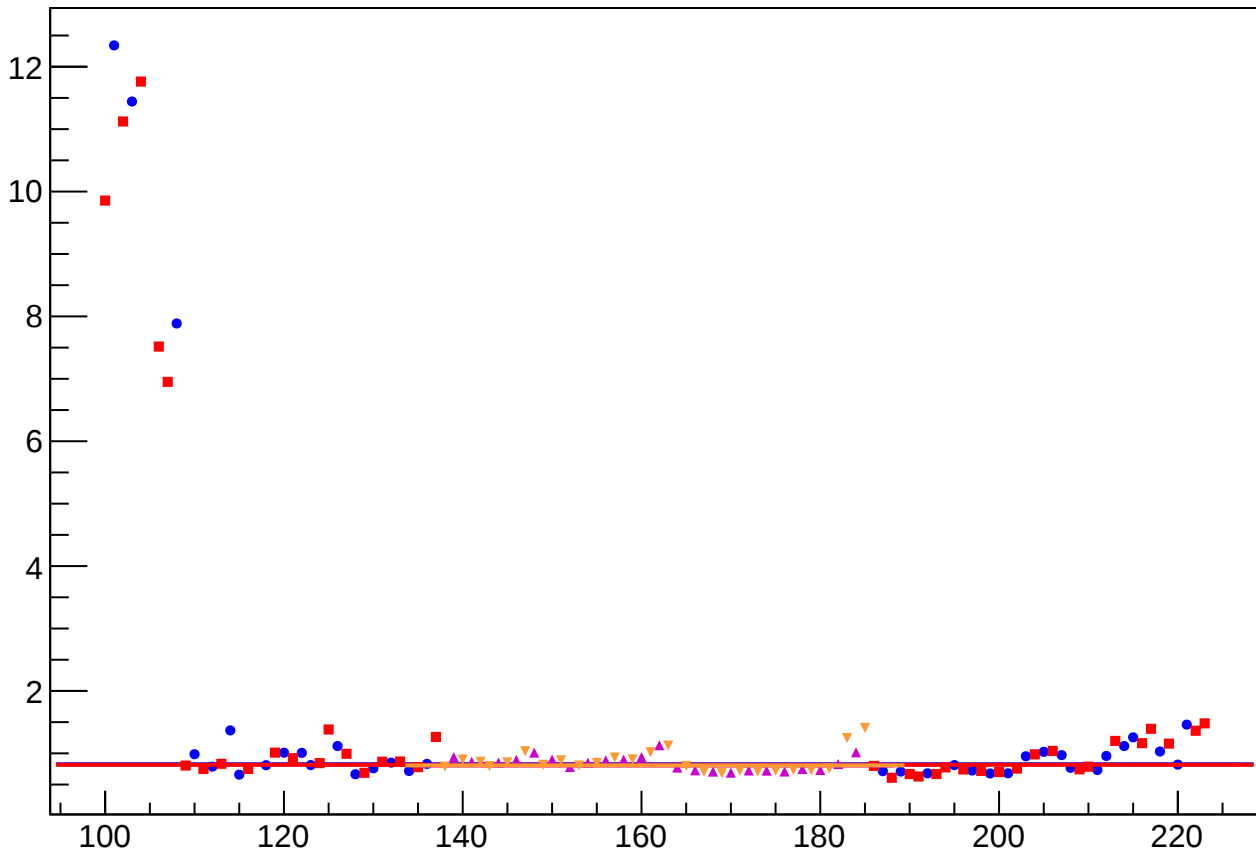
Left In: 133.309 $\pm$ 0.000 χ^2 /NDF: 4353039408.6/22

+ sign 144.499 $\pm$ 0.000 χ^2 /NDF: 35590493907.7/59

All: 144.626 $\pm$ 0.000 χ^2 /NDF: 81645515403.0

- sign 144.752 $\pm$ 0.000 χ^2 /NDF: 46053561247.4/61

yield_bcm0l02_rms vs Slug



Right In: 0.825 ± 0.000 χ^2/NDF : 3673434.6/34

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.816 ± 0.000 χ^2/NDF : 4296293.1/38

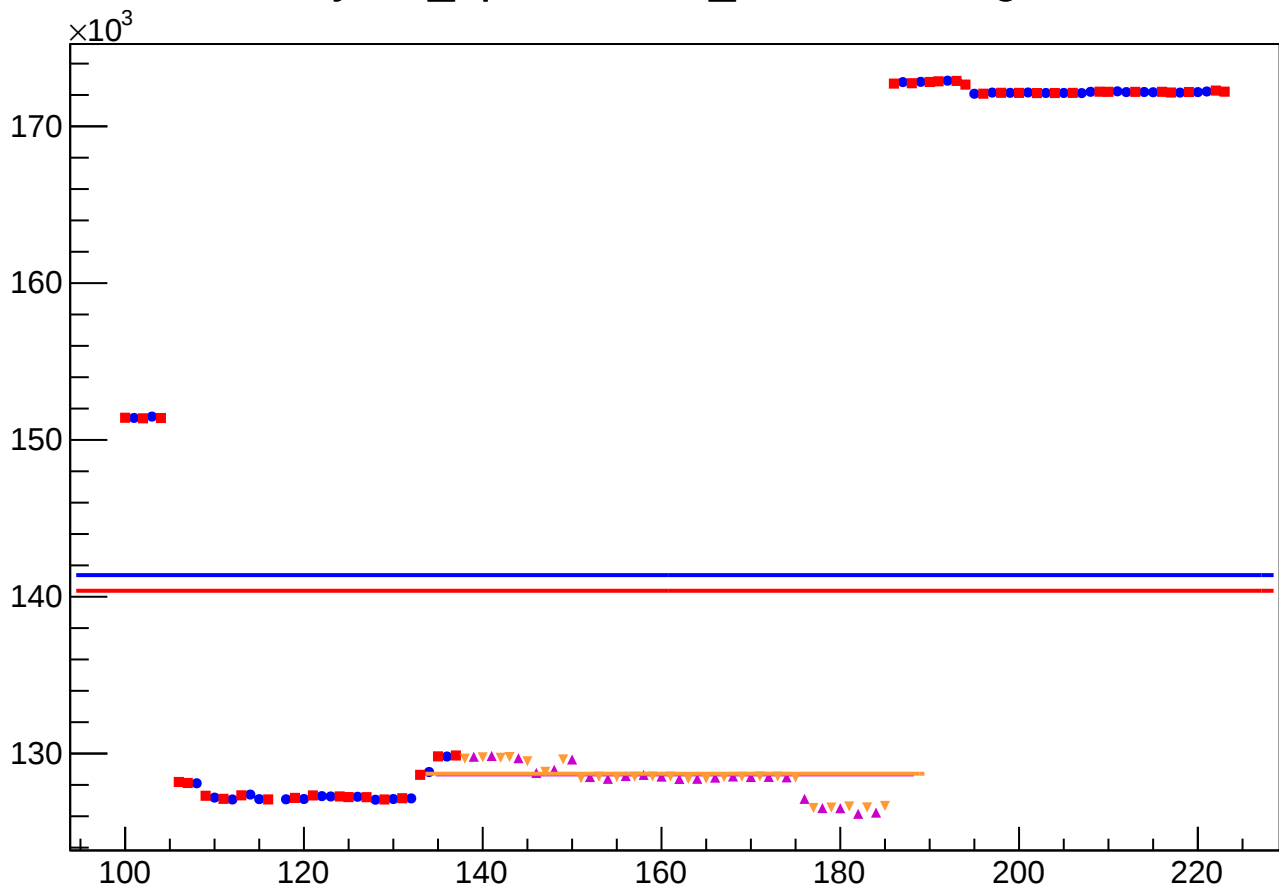
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.816 ± 0.000 χ^2/NDF : 4385445.8/59

All: 0.813 ± 0.000 χ^2/NDF : 9165850.1/121

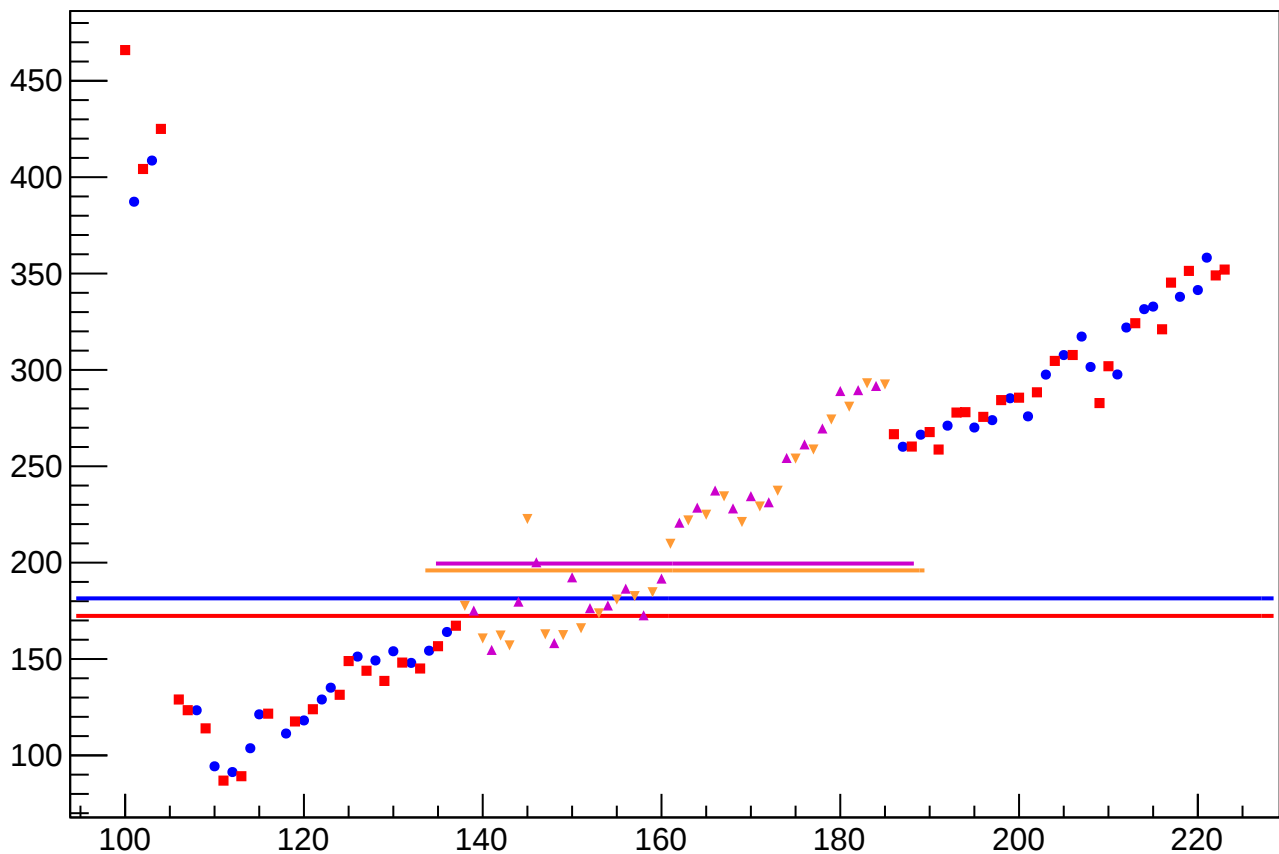
- sign 0.810 ± 0.000 χ^2/NDF : 4779235.6/61

yield_bpm2i01WS_mean vs Slug



Right In: 141379.181 $\pm$ 0.046 χ^2 /NDF: 202219704882.0/34
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 140381.444 $\pm$ 0.043 χ^2 /NDF: 221712349221.0/38
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22

yield_bpm2i01WS_rms vs Slug



Right In: 181.464 $\pm$ 0.032 χ^2 /NDF: 7598791.0/34

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 172.368 $\pm$ 0.030 χ^2 /NDF: 8227893.4/38

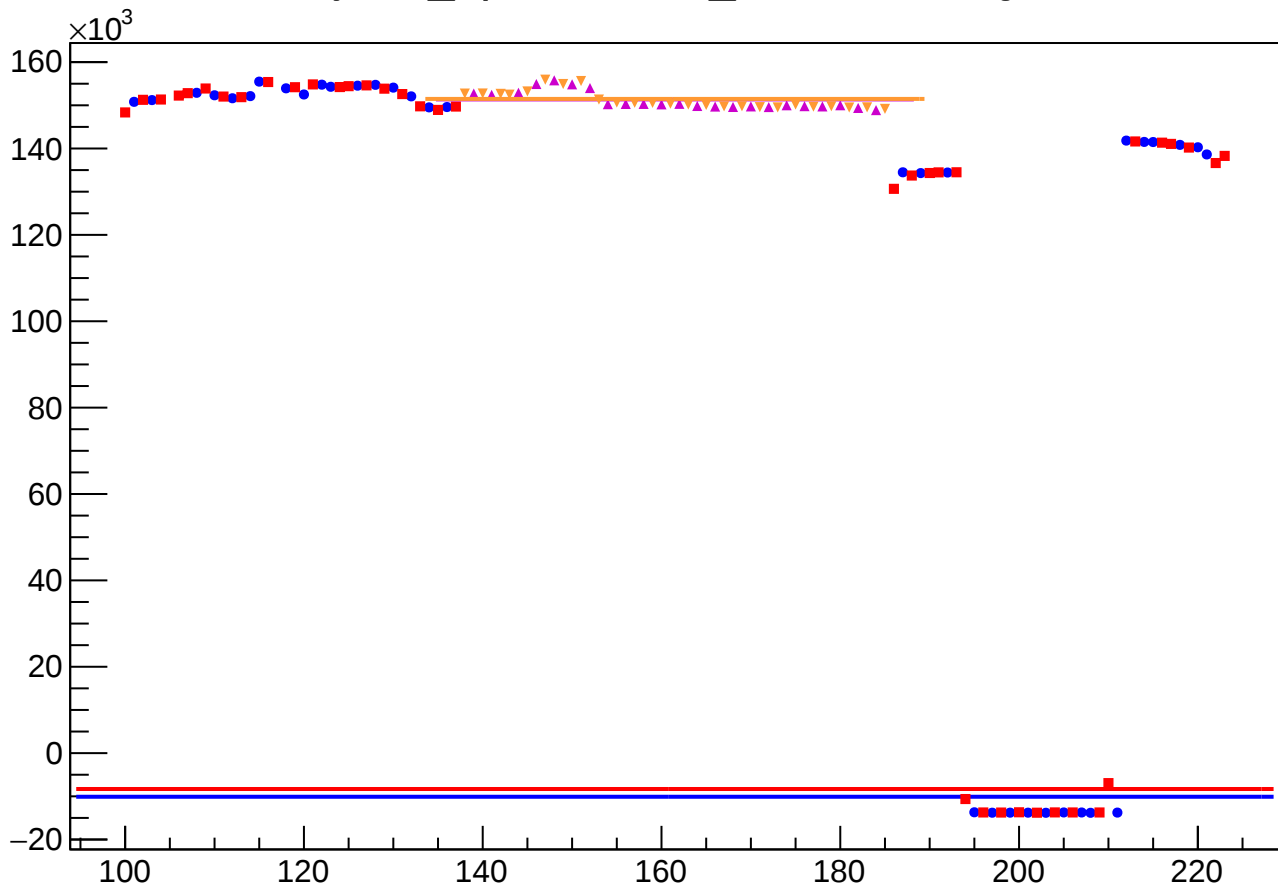
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 188.557 $\pm$ 0.023 χ^2 /NDF: 9013581.5/59

All: 186.322 $\pm$ 0.016 χ^2 /NDF: 18785685.7/12

- sign 184.151 $\pm$ 0.023 χ^2 /NDF: 9753609.1/61

yield_bpm0i07WS_mean vs Slug



Right In: -10097.810 $\pm$ 0.009

χ^2 /NDF: 6913232029028.0/34

Left Out: 151480.339 $\pm$ 0.049

χ^2 /NDF: 1483692735.3/24

Right Out: -8302.150 $\pm$ 0.010

χ^2 /NDF: 8027455285155.7/38

Left In: 151362.440 $\pm$ 0.051

χ^2 /NDF: 1426782789.9/22

+ sign -4719.749 $\pm$ 0.009

χ^2 /NDF: 1722680642234

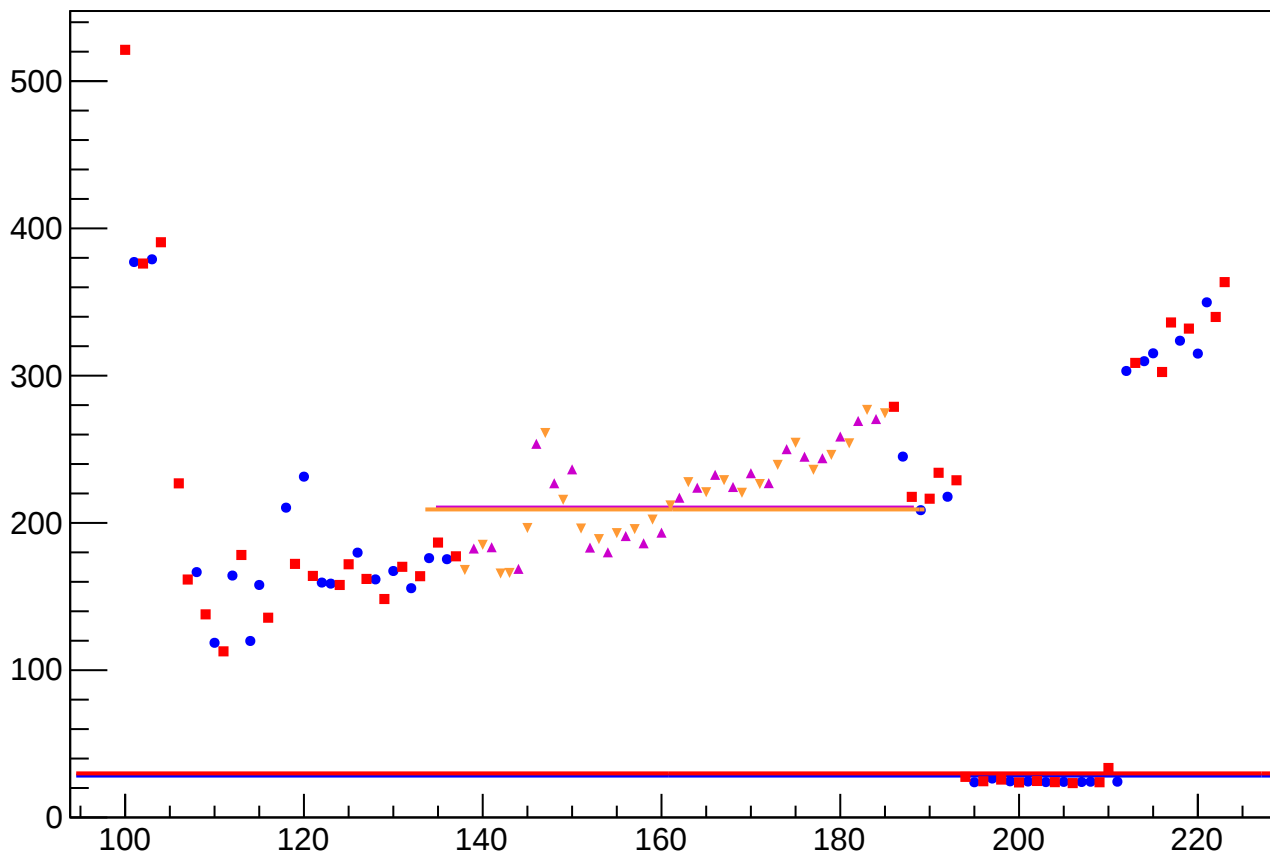
All: -3659.979 $\pm$ 0.007

χ^2 /NDF: 3464246274

- sign -2397.689 $\pm$ 0.010

χ^2 /NDF: 17385448121997

yield_bpm0i07WS_rms vs Slug



Right In: 28.440 ± 0.006 $\chi^2/\text{NDF}: 19261496.6/34$

Left Out: 209.156 ± 0.035 $\chi^2/\text{NDF}: 710094.9/24$

Right Out: 29.919 ± 0.007 $\chi^2/\text{NDF}: 20373536.6/38$

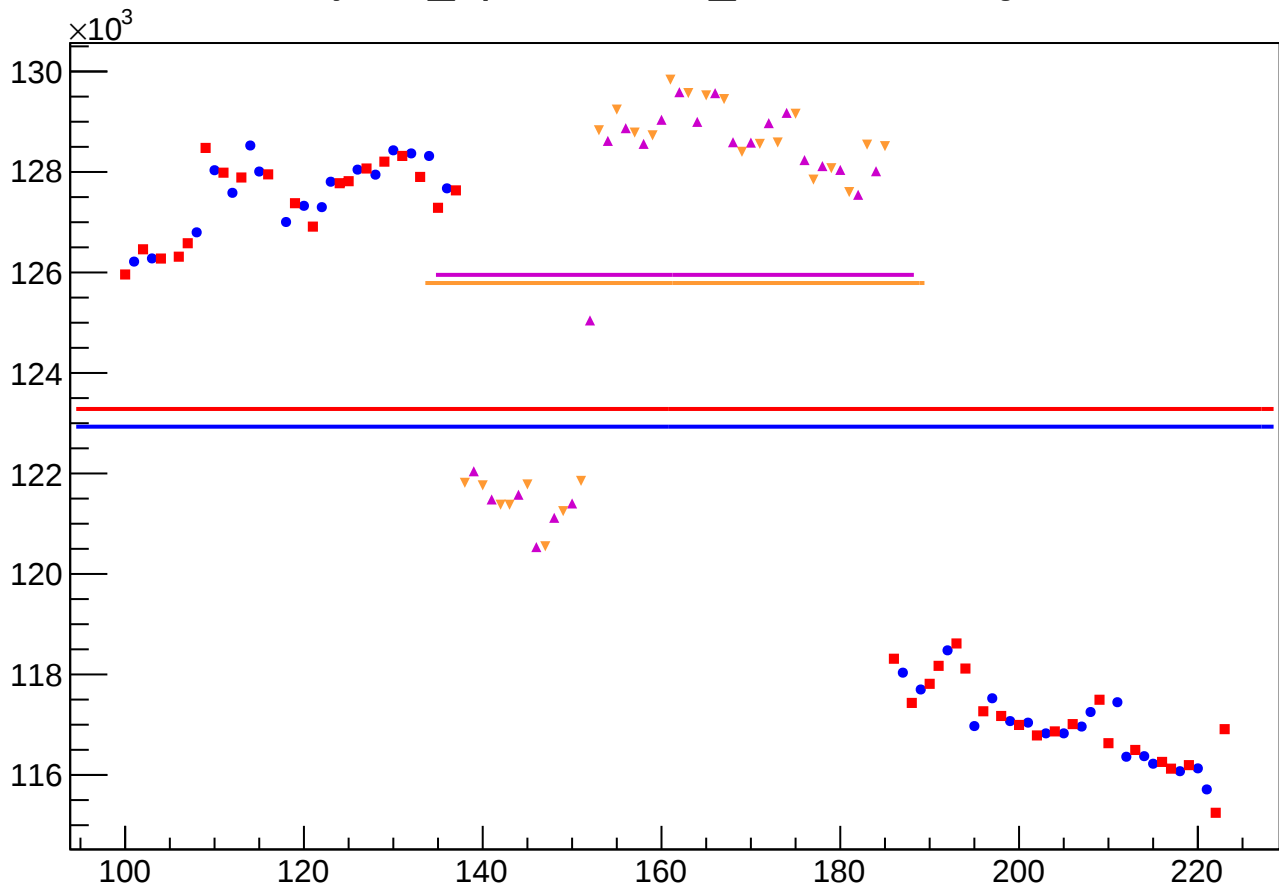
Left In: 210.431 ± 0.036 $\chi^2/\text{NDF}: 684015.0/22$

+ sign 34.455 ± 0.006 $\chi^2/\text{NDF}: 45770701.3/59$

All: 35.431 ± 0.005 $\chi^2/\text{NDF}: 90798467.0/121$

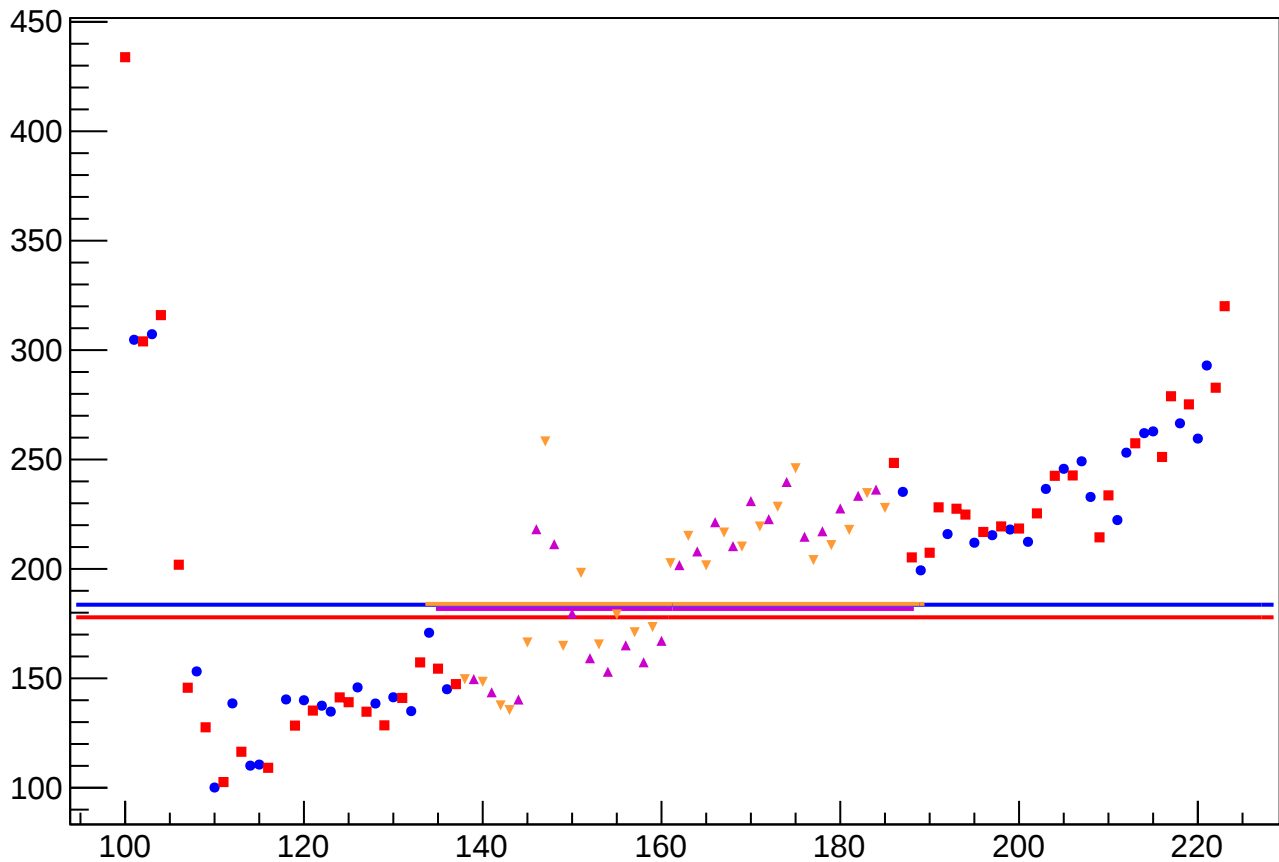
- sign 36.594 ± 0.007 $\chi^2/\text{NDF}: 44976487.3/61$

yield_bpm0l01WS_mean vs Slug



Right In: 122931.169 $\pm$ 0.043	χ^2 /NDF: 15255964131.3/34	+ sign 124344.863 $\pm$ 0.031	χ^2 /NDF: 24138322273.7
Left Out: 125790.126 $\pm$ 0.044	χ^2 /NDF: 6744310079.8/24	All: 124435.343 $\pm$ 0.022	χ^2 /NDF: 479985042
Right Out: 123283.616 $\pm$ 0.042	χ^2 /NDF: 16089095647.7/38	- sign 124523.056 $\pm$ 0.030	χ^2 /NDF: 23843310136.6
Left In: 125952.447 $\pm$ 0.045	χ^2 /NDF: 5841800367.5/22		

yield_bpm0l01WS_rms vs Slug



Right In: 183.646 $\pm$ 0.031 χ^2 /NDF: 3349872.8/34

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF:1126592.5/24

Right Out: 177.887 $\pm$ 0.029 χ^2 /NDF: 3929173.6/38

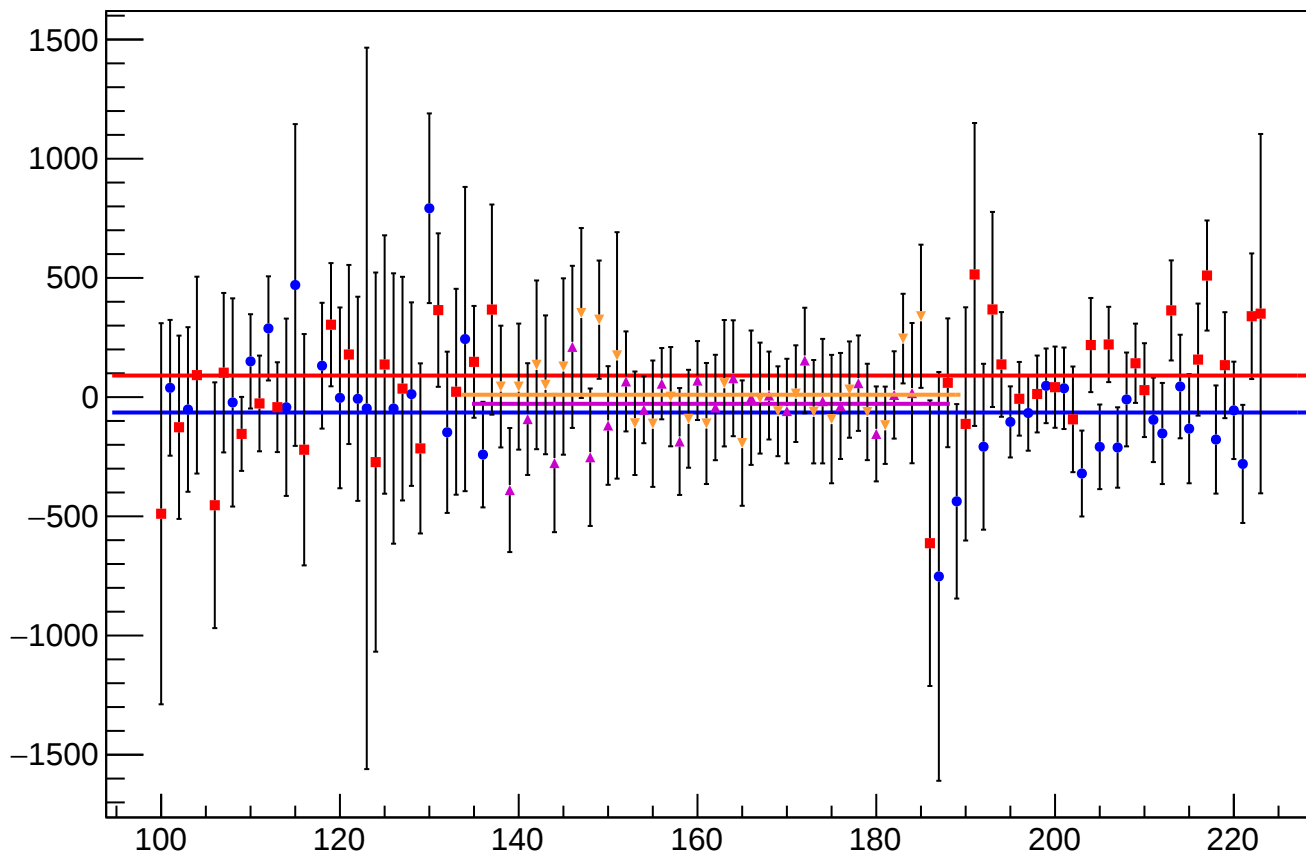
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF:1116142.0/22

+ sign 183.836 $\pm$ 0.022 χ^2 /NDF: 4476542.1/59

All: 181.717 $\pm$ 0.015 χ^2 /NDF: 9548213.9/123

- sign 179.664 $\pm$ 0.022 χ^2 /NDF: 5053180.7/61

asym_bcm_an_ds_mean vs Slug



Right In: -64.520 ± 40.485 χ^2/NDF : 18.4/34

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 90.574 ± 40.416 χ^2/NDF : 19.9/38

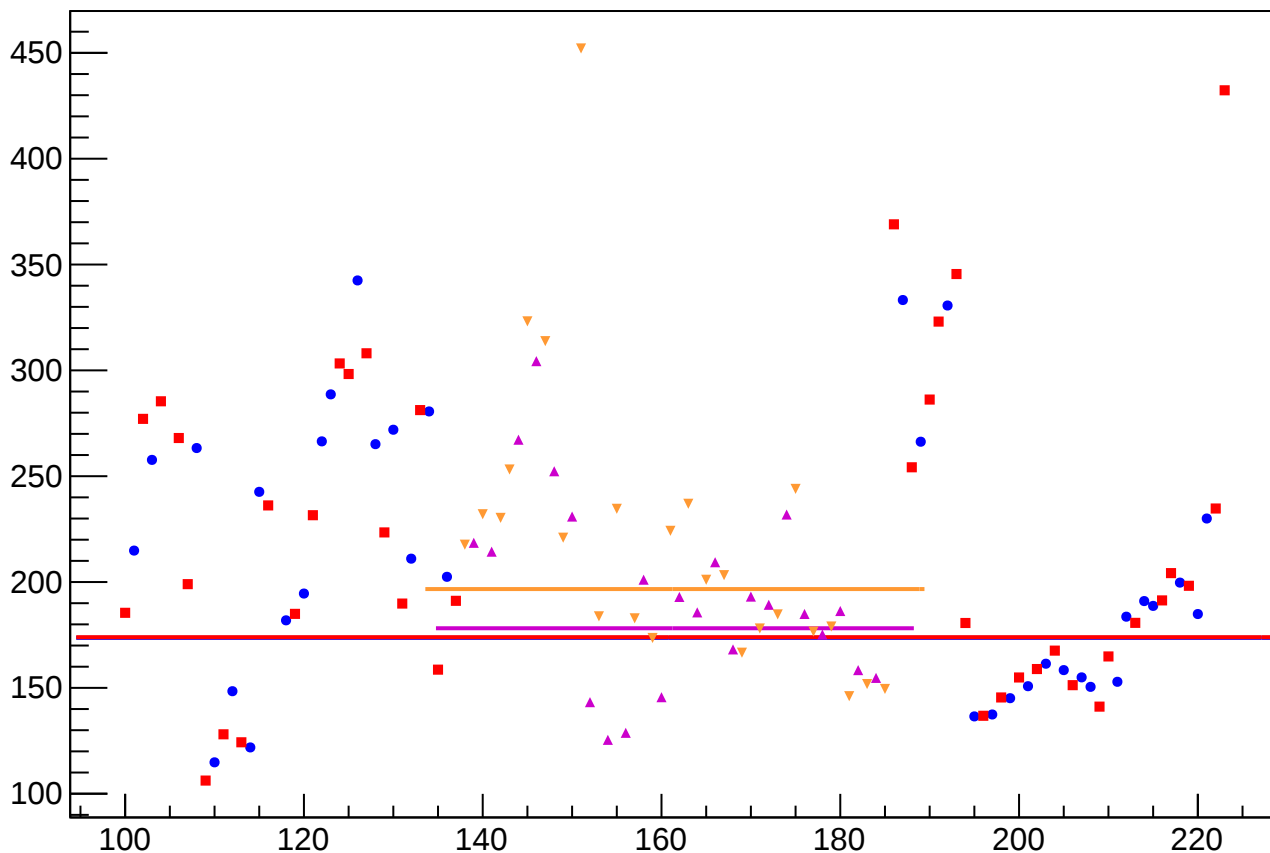
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -33.122 ± 30.809 χ^2/NDF : 28.3/59

All: 2.967 ± 21.471 χ^2/NDF : 61.7/121

- sign 37.050 ± 29.940 χ^2/NDF : 30.8/61

asym_bcm_an_ds_rms vs Slug



Right In: 173.636 $\pm$ 0.029 χ^2 /NDF: 2325035.9/34

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 173.942 $\pm$ 0.029 χ^2 /NDF: 3284018.0/38

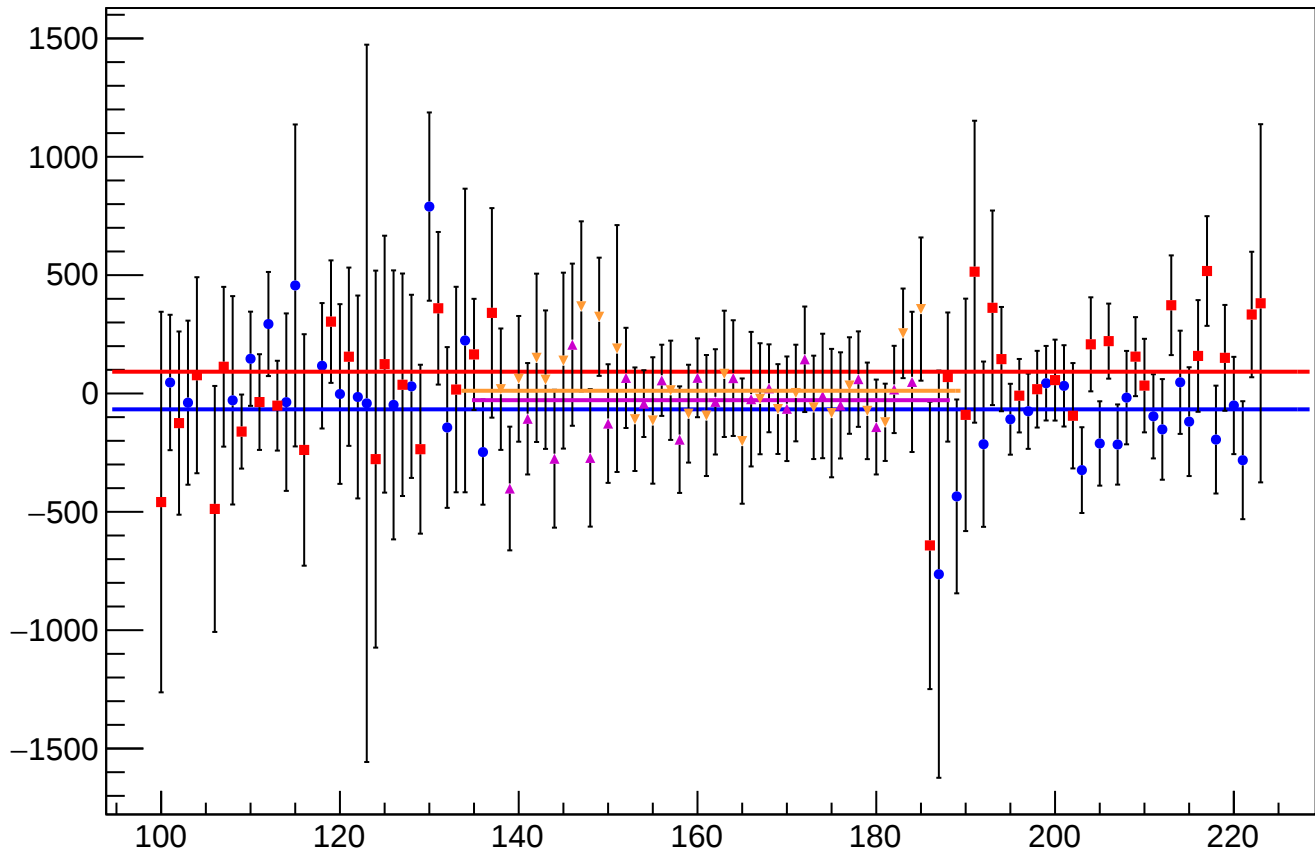
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 183.336 $\pm$ 0.022 χ^2 /NDF: 4380527.6/59

All: 179.485 $\pm$ 0.015 χ^2 /NDF: 9354124.3/123

- sign 175.848 $\pm$ 0.021 χ^2 /NDF: 4912840.1/61

asym_bcm_an_ds3_mean vs Slug



Right In: -67.014 ± 40.672 χ^2/NDF : 18.4/34

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 92.012 ± 40.612 χ^2/NDF : 20.4/38

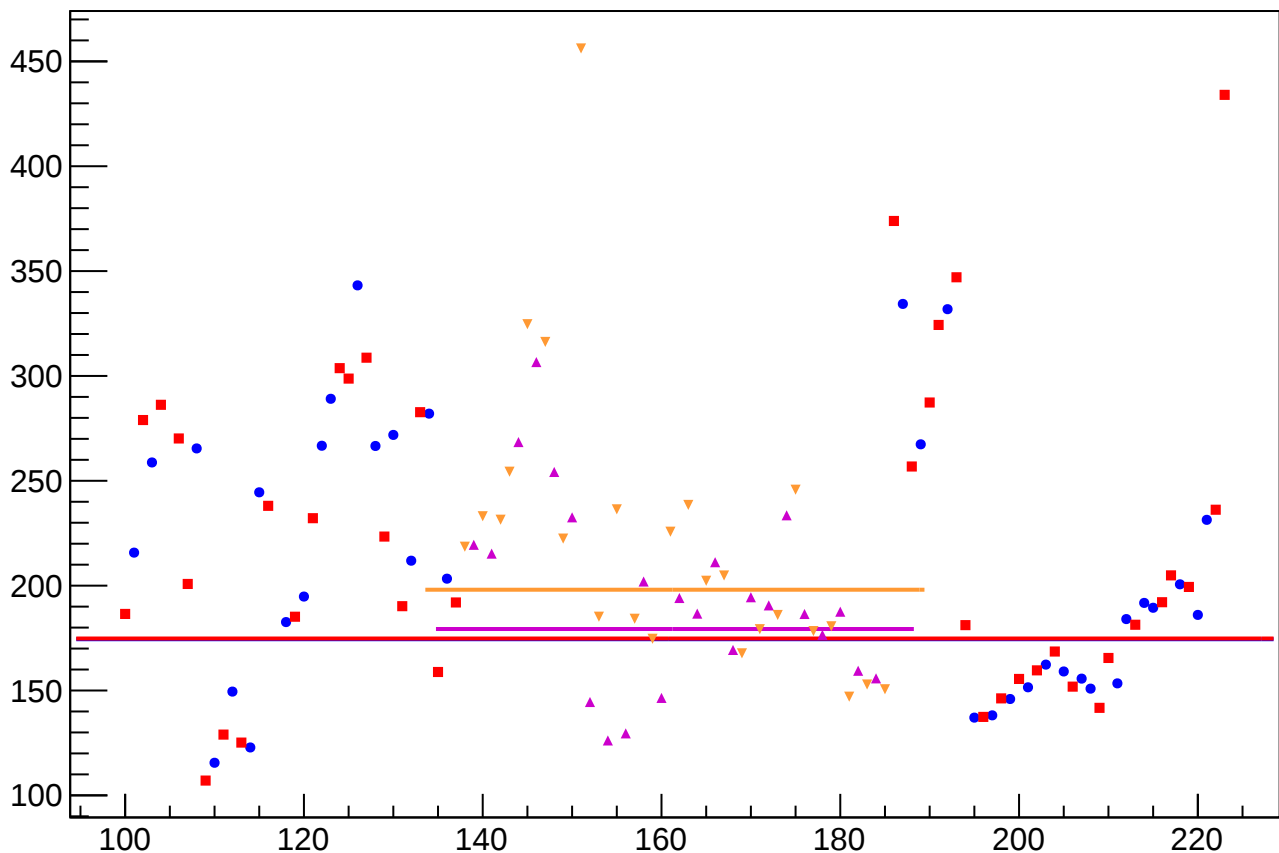
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign -34.067 ± 30.981 χ^2/NDF : 28.8/59

All: 2.912 ± 21.592 χ^2/NDF : 63.0/121

- sign 37.835 ± 30.108 χ^2/NDF : 31.5/61

asym_bcm_an_ds3_rms vs Slug



Right In: 174.453+/-0.029 χ^2/NDF : 2317326.5/34

Left Out: 198.059+/-0.034 χ^2/NDF : 1778526.5/24

Right Out: 174.794+/-0.029 χ^2/NDF : 3279869.8/38

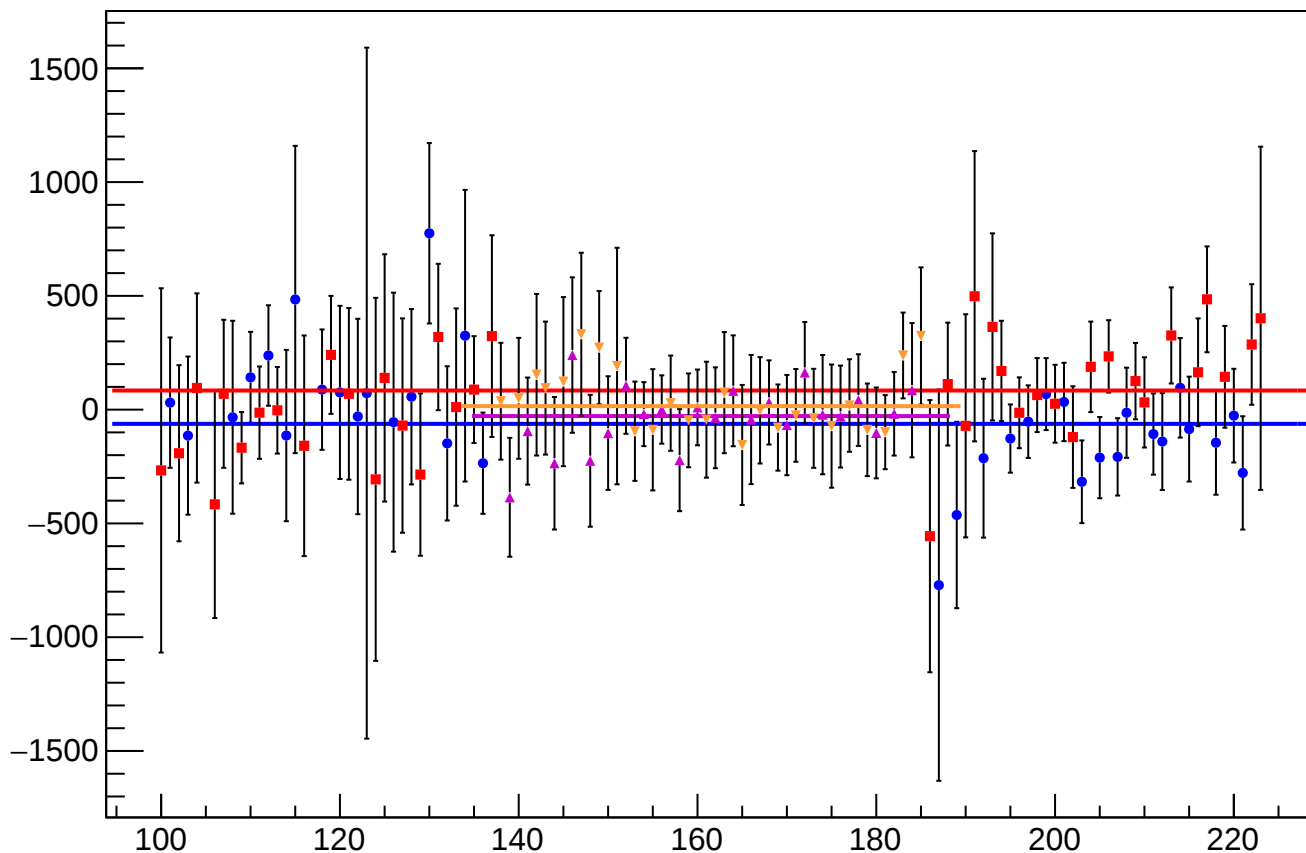
Left In: 179.324+/-0.032 χ^2/NDF : 1618266.2/22

+ sign 184.362+/-0.022 χ^2/NDF : 4378656.1/59

All: 180.490+/-0.015 χ^2/NDF : 9348719.6/123

- sign 176.834+/-0.021 χ^2/NDF : 4909343.0/61

asym_bcm_an_us_mean vs Slug



Right In: -62.508 ± 40.752 $\chi^2/\text{NDF}: 17.9/34$

Left Out: 15.437 ± 47.695 $\chi^2/\text{NDF}: 7.0/24$

Right Out: 84.085 ± 40.646 $\chi^2/\text{NDF}: 17.8/38$

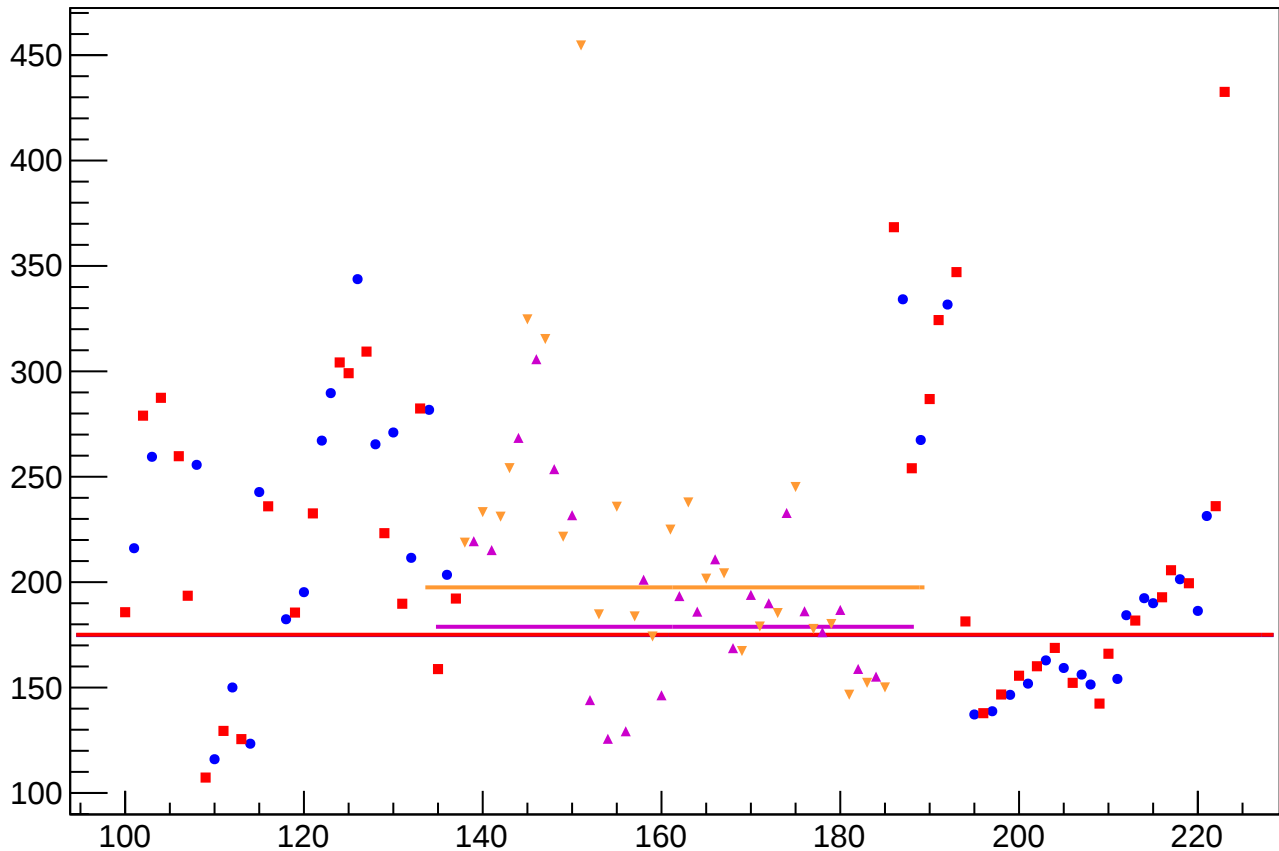
Left In: -28.277 ± 44.743 $\chi^2/\text{NDF}: 6.4/22$

+ sign -29.616 ± 30.983 $\chi^2/\text{NDF}: 26.4/59$

All: 2.758 ± 21.584 $\chi^2/\text{NDF}: 56.1/121$

- sign 33.284 ± 30.085 $\chi^2/\text{NDF}: 27.6/61$

asym_bcm_an_us_rms vs Slug



Right In: 174.885 $\pm$ 0.029 χ^2 /NDF: 2283703.7/34

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 175.053 $\pm$ 0.029 χ^2 /NDF: 3230529.2/38

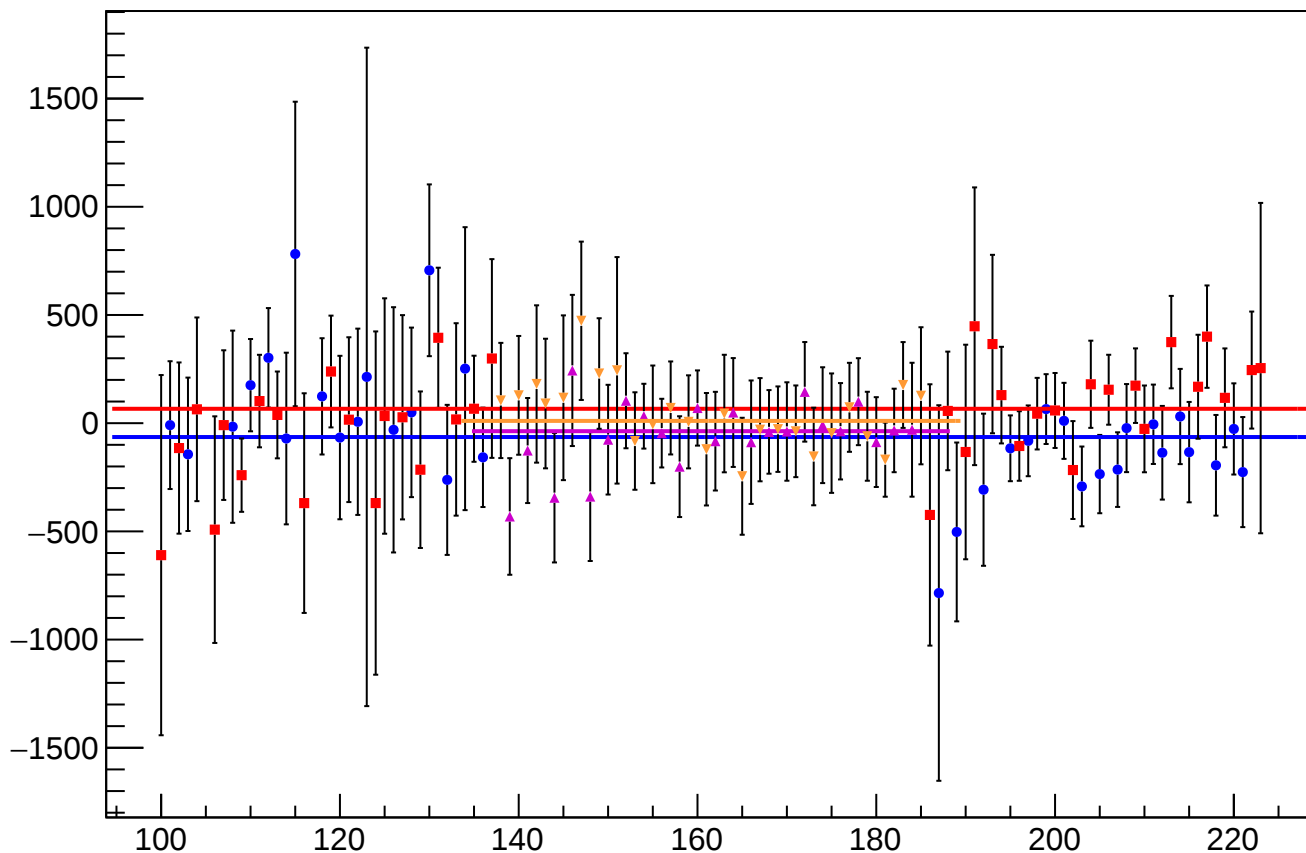
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 184.440 $\pm$ 0.022 χ^2 /NDF: 4328470.7/59

All: 180.489 $\pm$ 0.015 χ^2 /NDF: 9252292.7/123

- sign 176.763 $\pm$ 0.021 χ^2 /NDF: 4860628.9/61

asym_bcm_dg_us_mean vs Slug



Right In: -64.022 ± 41.617 $\chi^2/\text{NDF}: 18.2/34$

Left Out: 10.534 ± 49.197 $\chi^2/\text{NDF}: 7.5/24$

Right Out: 66.530 ± 41.677 $\chi^2/\text{NDF}: 19.3/38$

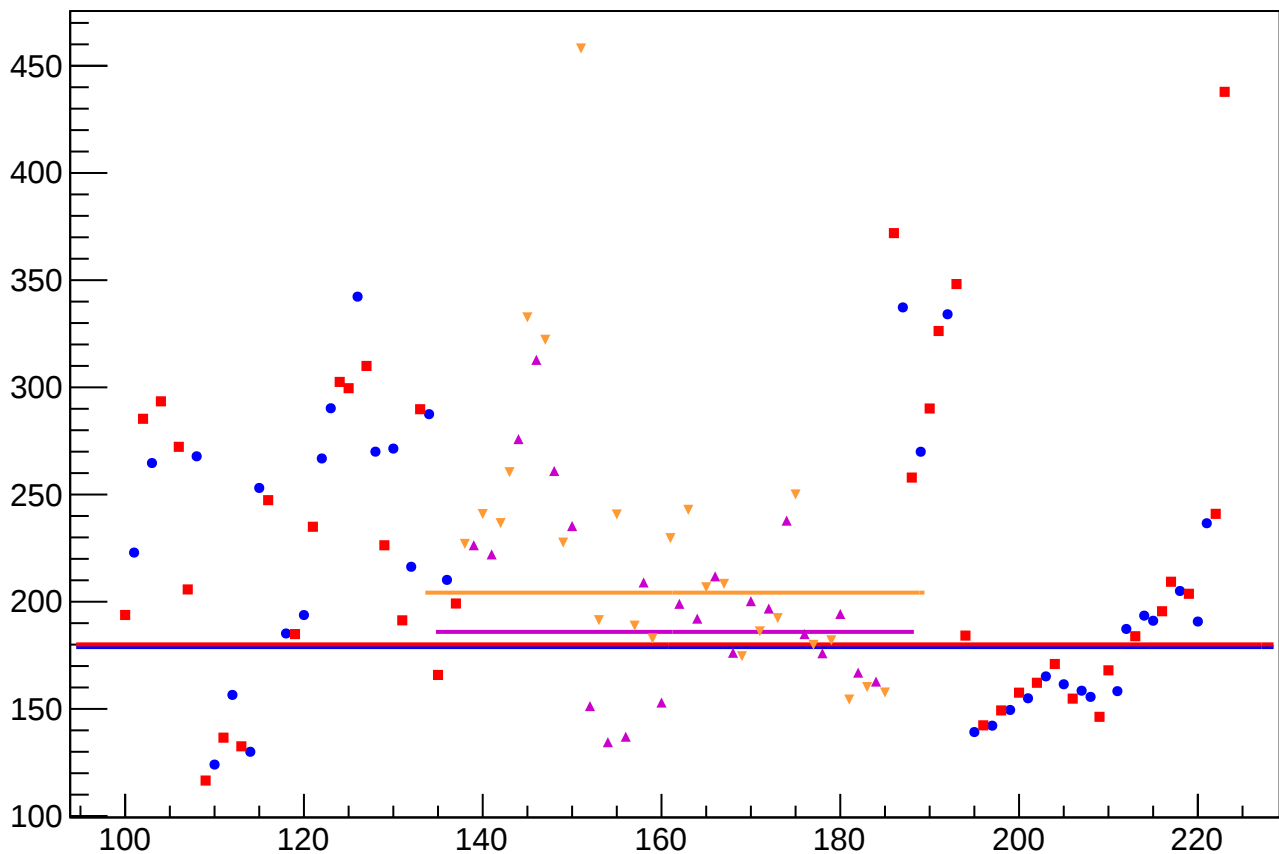
Left In: -37.000 ± 46.358 $\chi^2/\text{NDF}: 7.9/22$

+ sign -32.923 ± 31.773 $\chi^2/\text{NDF}: 27.0/59$

All: -5.674 ± 22.186 $\chi^2/\text{NDF}: 58.4/121$

- sign 20.254 ± 30.993 $\chi^2/\text{NDF}: 30.0/61$

asym_bcm_dg_us_rms vs Slug



Right In: 178.848 $\pm$ 0.029 χ^2 /NDF: 2198143.4/34

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 180.102 $\pm$ 0.029 χ^2 /NDF: 3026742.8/38

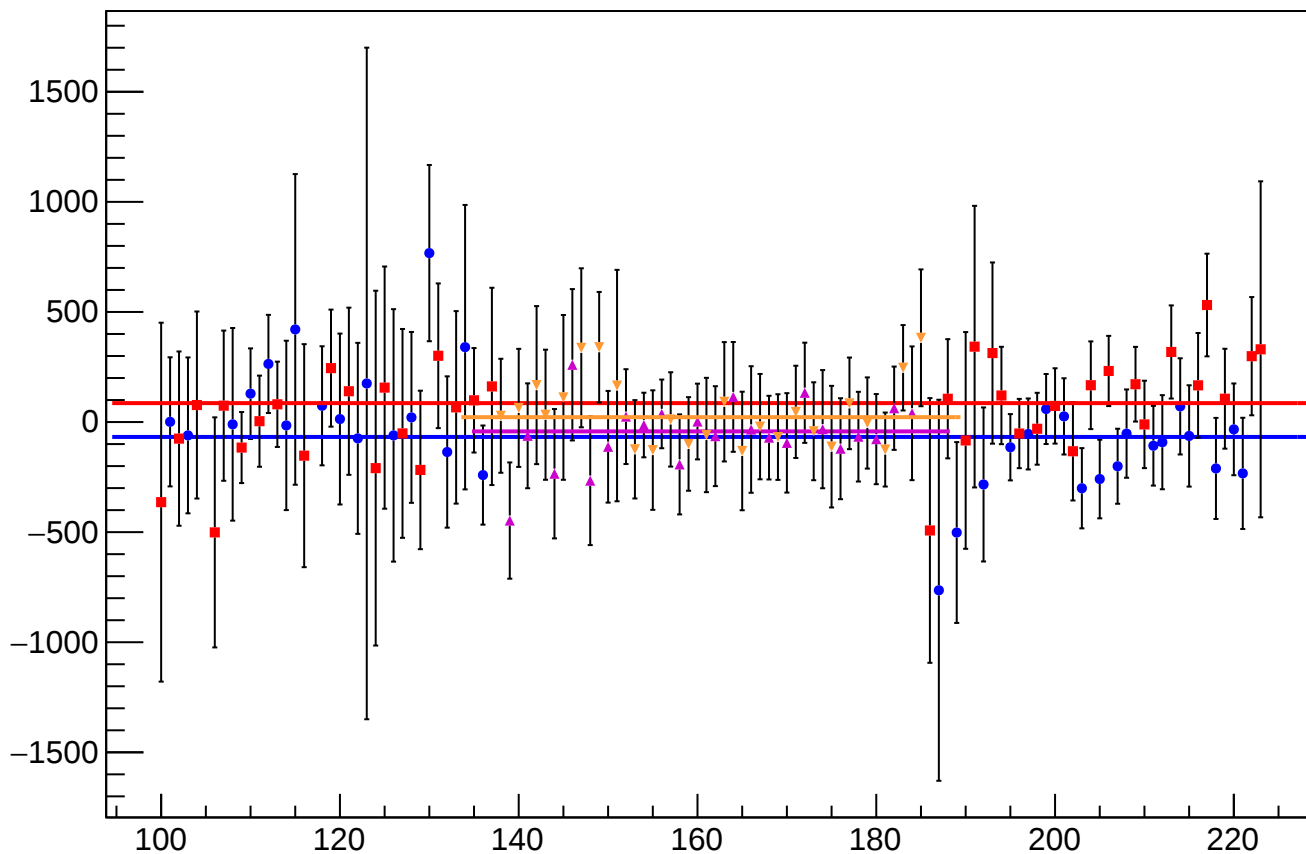
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 189.438 $\pm$ 0.022 χ^2 /NDF: 4184256.7/59

All: 185.989 $\pm$ 0.016 χ^2 /NDF: 8734538.2/123

- sign 182.708 $\pm$ 0.022 χ^2 /NDF: 4504298.5/61

asym_bcm_dg_ds_mean vs Slug



Right In: -67.630 ± 41.111 χ^2/NDF : 17.4/34

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 85.965 ± 41.065 χ^2/NDF : 16.5/38

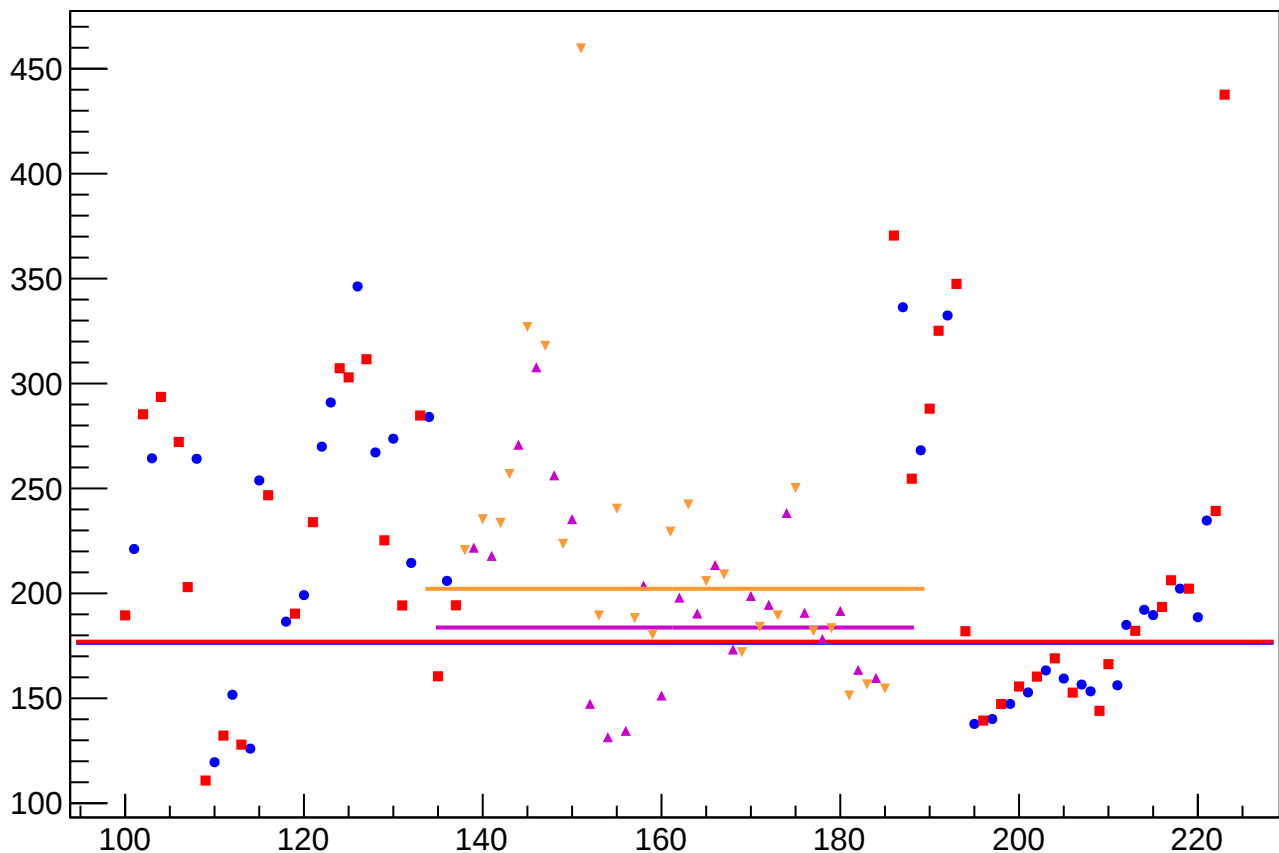
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -30.291 ± 31.425 χ^2/NDF : 27.7/59

All: 0.058 ± 21.921 χ^2/NDF : 57.1/121

- sign 28.821 ± 30.593 χ^2/NDF : 27.6/61

asym_bcm_dg_ds_rms vs Slug



Right In: 176.450 $\pm$ 0.029 χ^2 /NDF: 2287392.2/34

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF:1696571.9/24

Right Out: 176.987 $\pm$ 0.029 χ^2 /NDF: 3206756.8/38

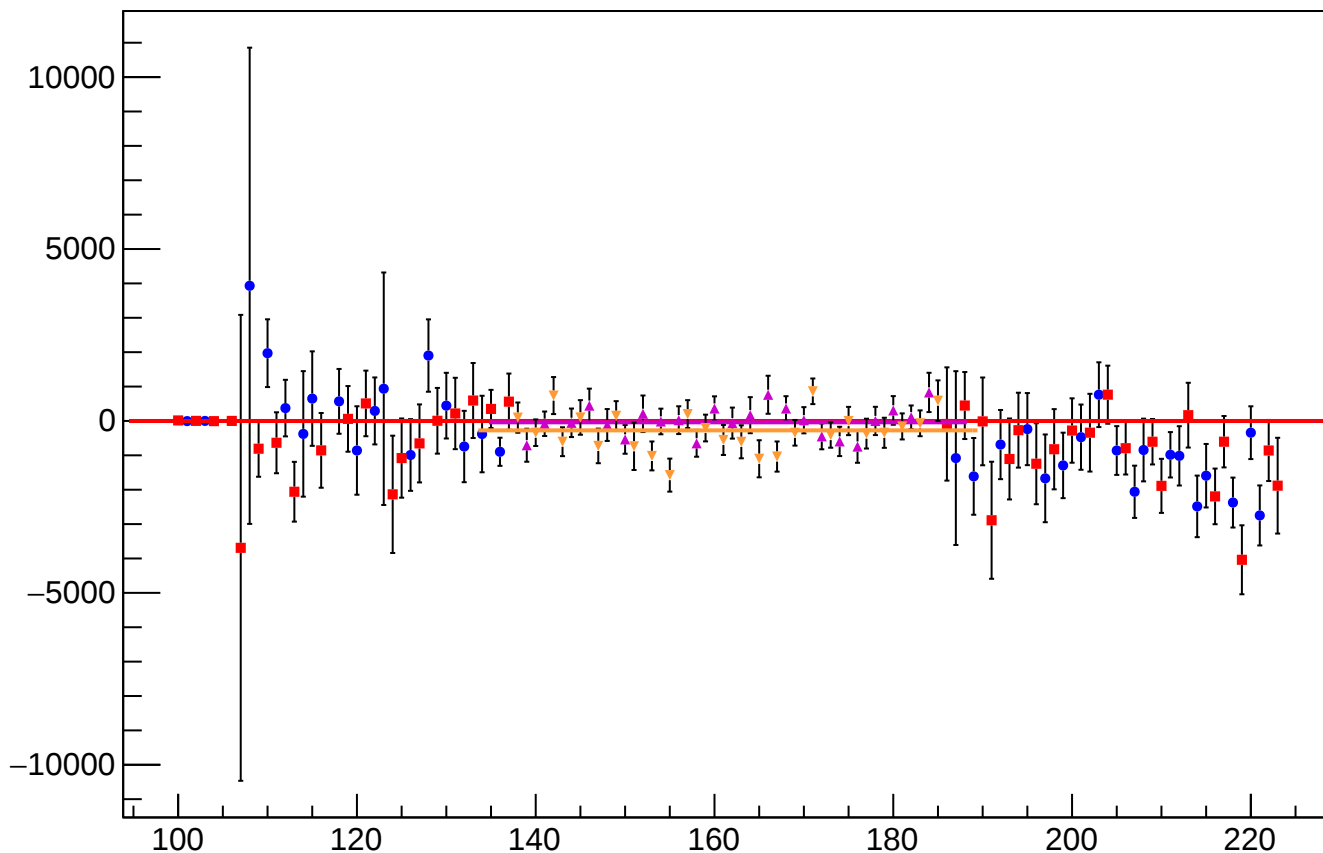
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF:1495930.4/22

+ sign 187.149 $\pm$ 0.022 χ^2 /NDF: 4309787.7/59

All: 183.473 $\pm$ 0.016 χ^2 /NDF: 9089800.2/123

- sign 179.989 $\pm$ 0.022 χ^2 /NDF: 4726698.3/61

asym_cav4bQ_mean vs Slug



Right In: -1.671 ± 2.251 χ^2/NDF : 68.8/34

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.814 ± 2.111 χ^2/NDF : 59.5/38

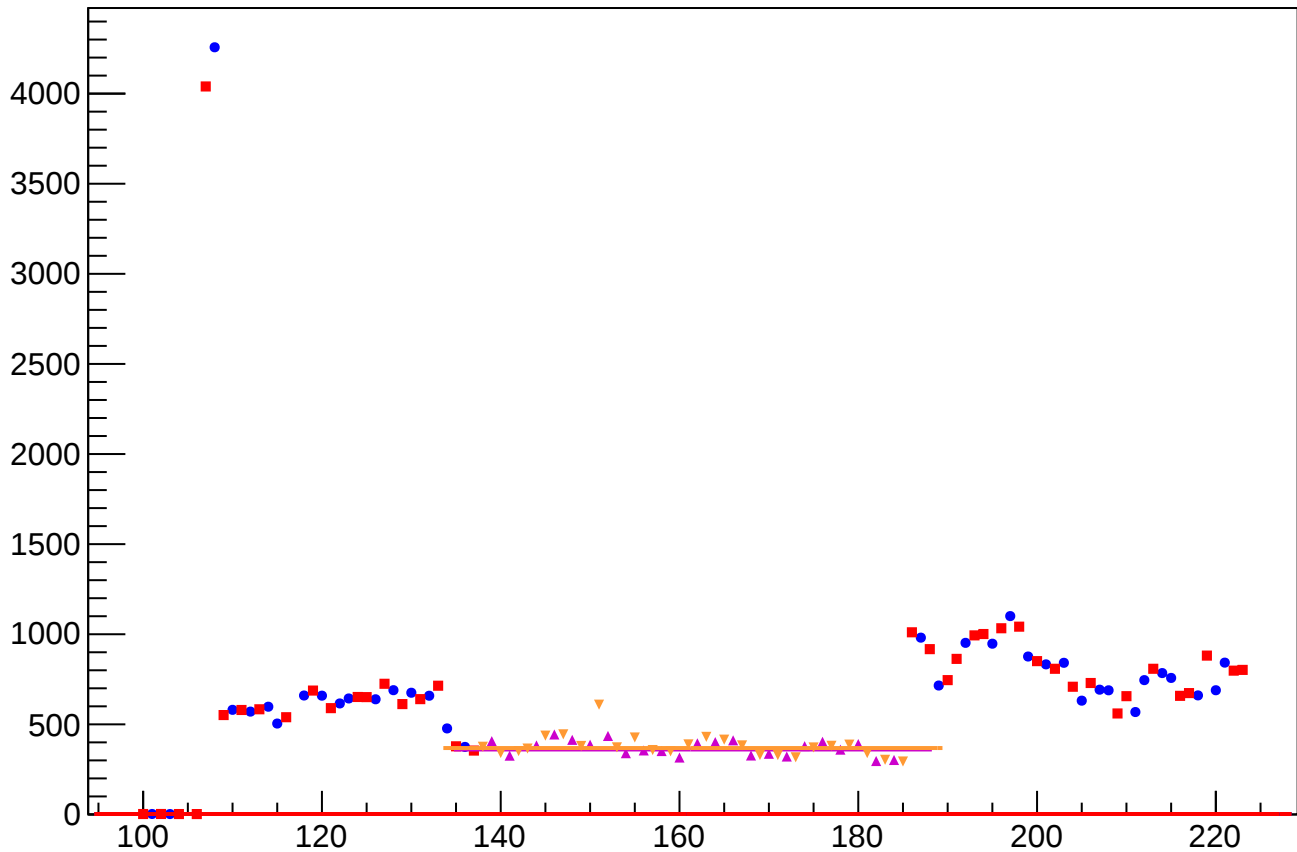
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.853 ± 2.251 χ^2/NDF : 117.0/59

All: -1.313 ± 1.539 χ^2/NDF : 197.0/121

- sign -0.837 ± 2.110 χ^2/NDF : 79.9/61

asym_cav4bQ_rms vs Slug



Right In: 2.542 $\pm$ 0.002 χ^2 /NDF: 36750479.8/34

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.511 $\pm$ 0.001 χ^2 /NDF: 37877907.2/38

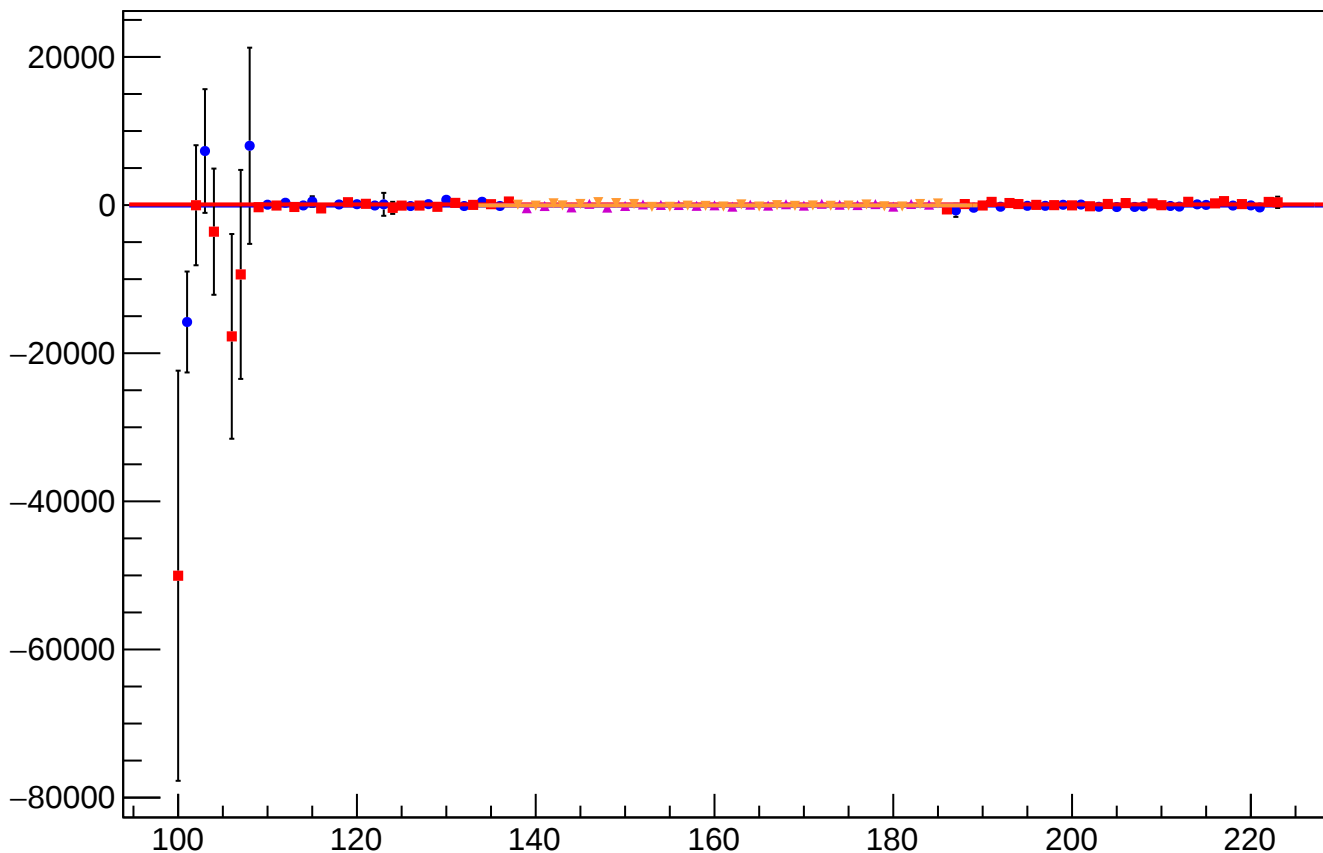
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.788 $\pm$ 0.002 χ^2 /NDF: 72844099.6/59

All: 2.751 $\pm$ 0.001 χ^2 /NDF: 144639342.3/121

- sign 2.719 $\pm$ 0.001 χ^2 /NDF: 71794268.2/61

asym_cav4cQ_mean vs Slug



Right In: -64.454 ± 44.631 χ^2/NDF : 22.4/34

Left Out: -39.036 ± 49.576 χ^2/NDF : 9.1/24

Right Out: 90.865 ± 45.211 χ^2/NDF : 29.9/38

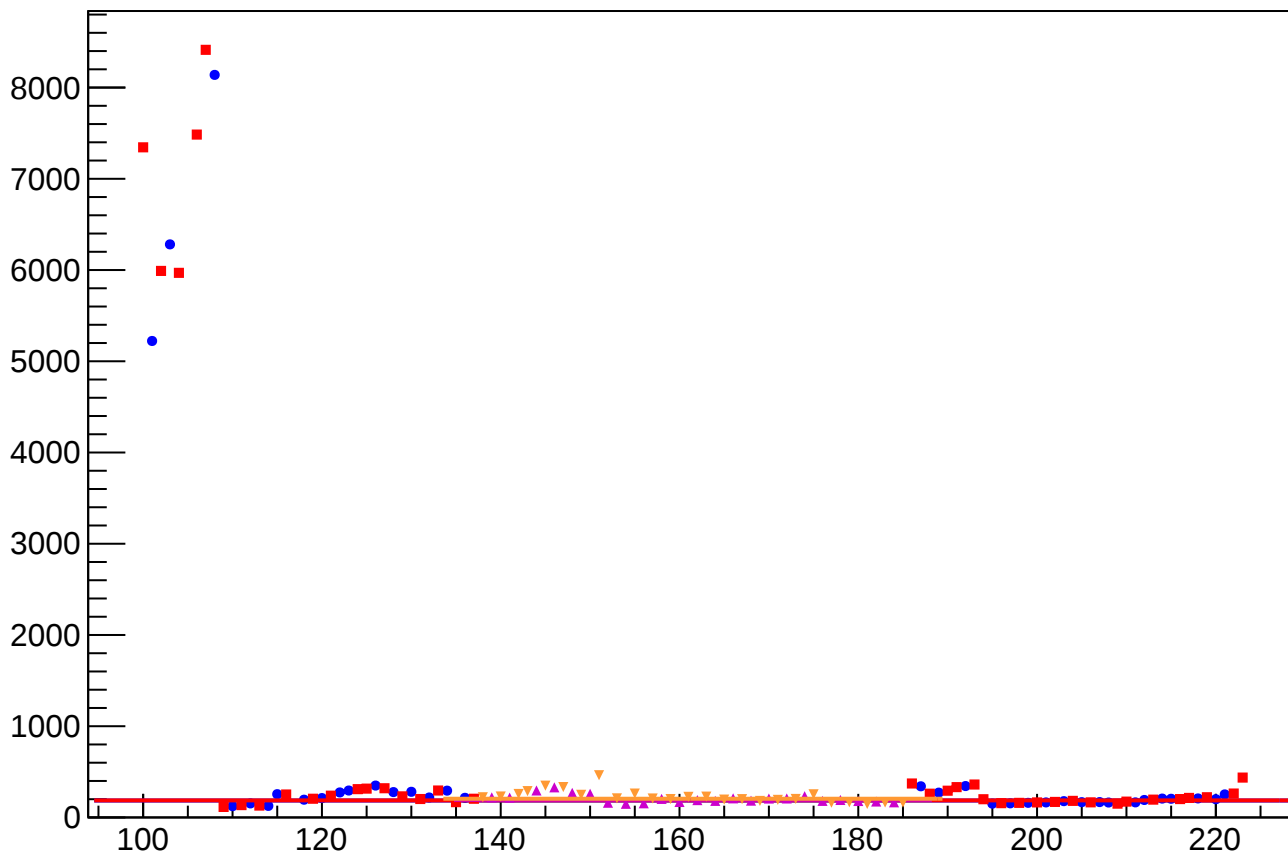
Left In: -28.062 ± 48.032 χ^2/NDF : 9.6/22

+ sign -53.075 ± 33.170 χ^2/NDF : 31.7/59

All: -8.708 ± 23.366 χ^2/NDF : 78.0/121

- sign 34.996 ± 32.921 χ^2/NDF : 42.7/61

asym_cav4cQ_rms vs Slug



Right In: 185.360+/-0.032 χ^2/NDF : 4742133.6/34

Left Out: 205.114+/-0.035 χ^2/NDF :1957484.4/24

Right Out: 187.059+/-0.032 χ^2/NDF : 5871563.7/38

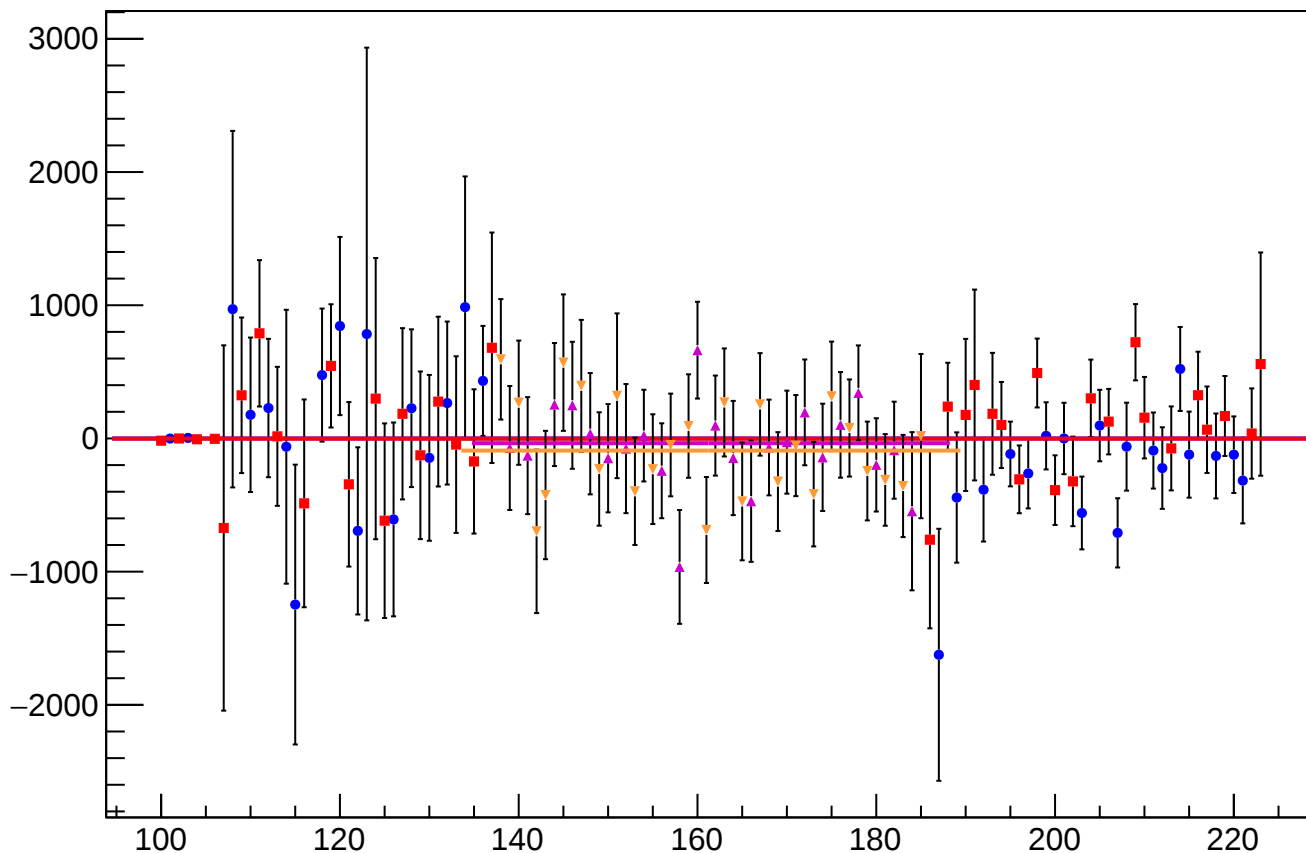
Left In: 193.616+/-0.034 χ^2/NDF :1179471.1/22

+ sign 194.203+/-0.023 χ^2/NDF : 6875008.3/59

All: 192.156+/-0.017 χ^2/NDF : 13960927.2/12

- sign 190.139+/-0.023 χ^2/NDF : 7070798.6/61

asym_cav4dQ_mean vs Slug



Right In: -0.244 ± 1.736 χ^2/NDF : 32.7/34

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.270 ± 1.622 χ^2/NDF : 29.8/38

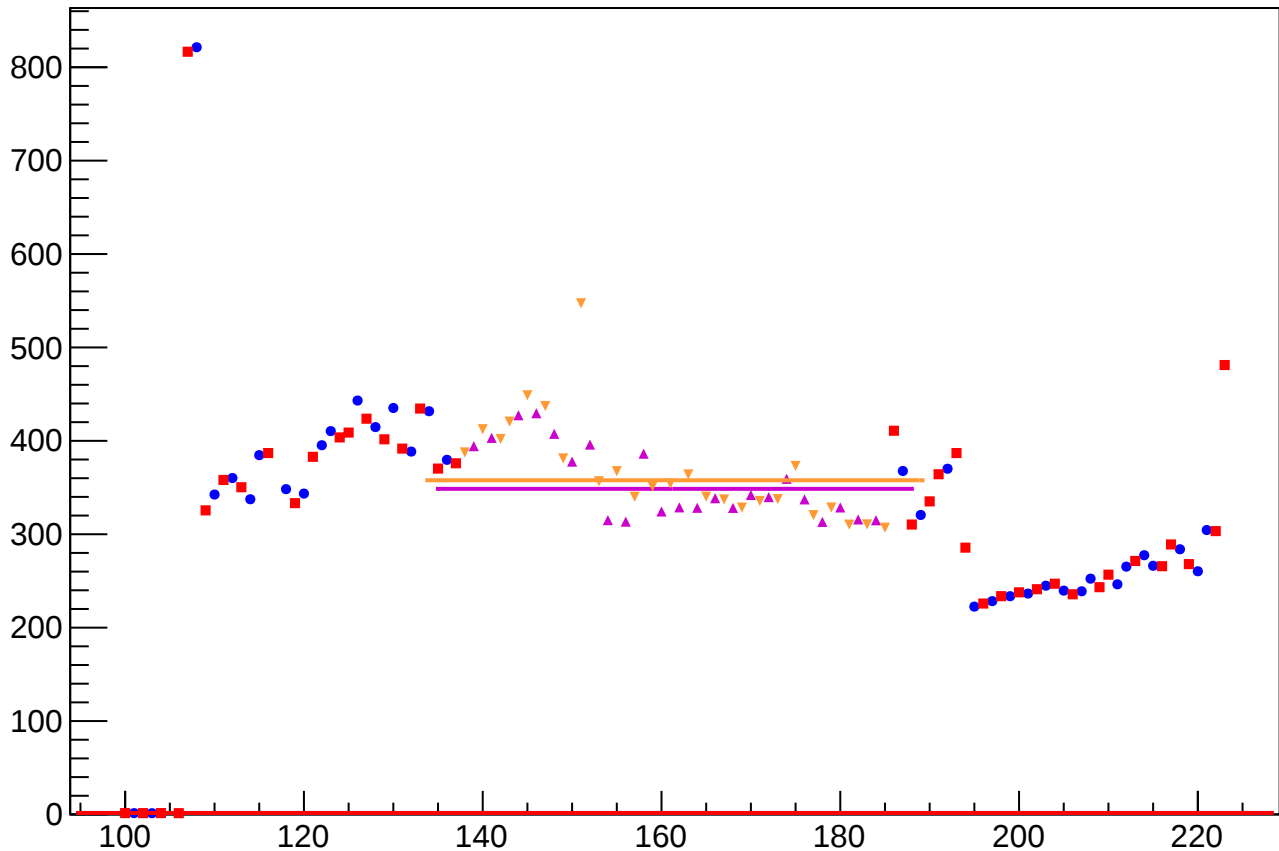
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.282 ± 1.736 χ^2/NDF : 50.3/59

All: -0.816 ± 1.185 χ^2/NDF : 93.9/121

- sign -1.283 ± 1.622 χ^2/NDF : 43.4/61

asym_cav4dQ_rms vs Slug



Right In: 1.604 $\pm$ 0.001 χ^2 /NDF: 36887306.5/34

Left Out: 357.804 $\pm$ 0.059 χ^2 /NDF: 547036.5/24

Right Out: 1.580 $\pm$ 0.001 χ^2 /NDF: 37555575.6/38

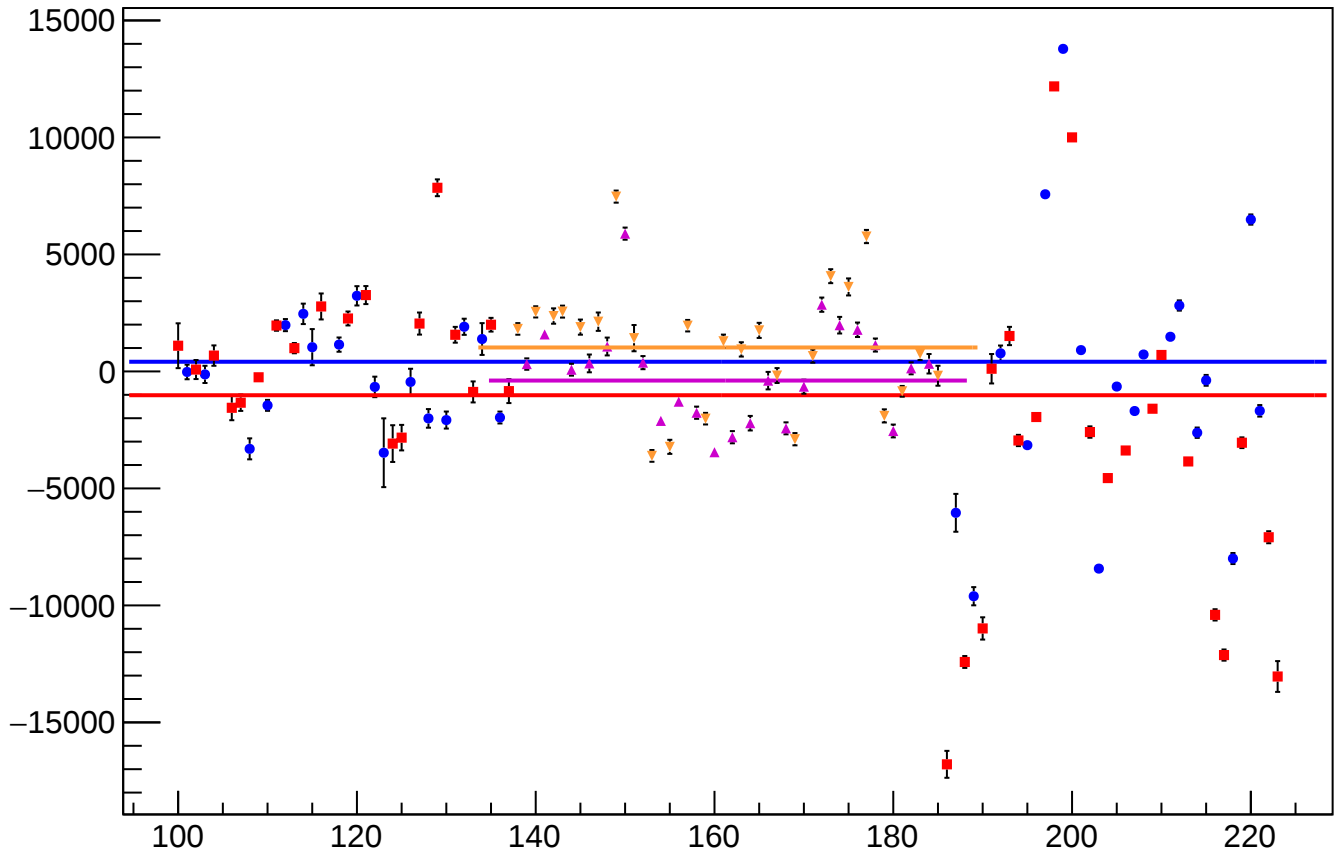
Left In: 348.611 $\pm$ 0.060 χ^2 /NDF: 362511.2/22

+ sign 1.756 $\pm$ 0.001 χ^2 /NDF: 73315131.1/59

All: 1.731 $\pm$ 0.001 χ^2 /NDF: 145048407.1/121

- sign 1.709 $\pm$ 0.001 χ^2 /NDF: 71732481.5/61

asym_bcm0l02_mean vs Slug



Right In: 413.187 ± 44.070 $\chi^2/\text{NDF}: 13485.5/34$

Left Out: 1023.439 ± 57.338 $\chi^2/\text{NDF}: 2309.4/24$

Right Out: -1017.528 ± 43.812 $\chi^2/\text{NDF}: 18922.0/38$

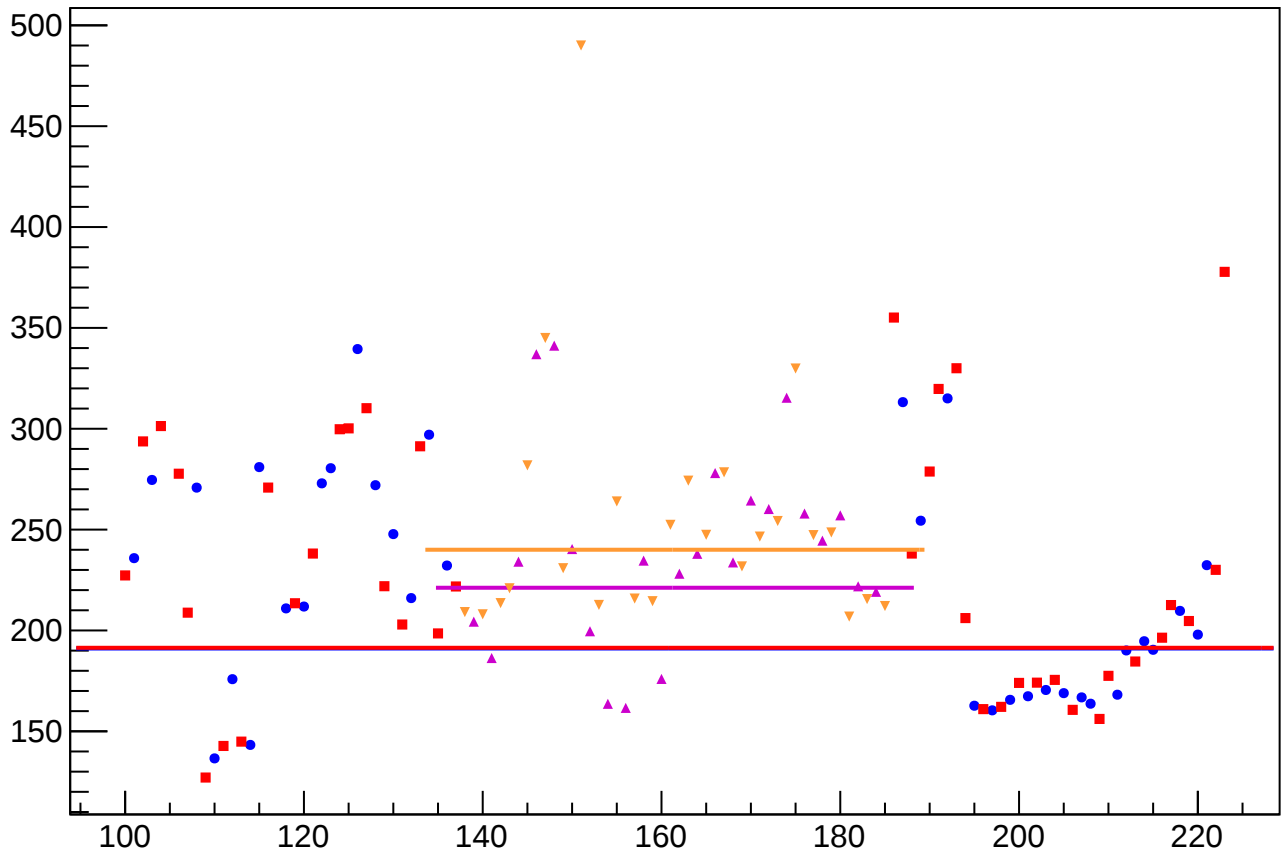
Left In: -390.237 ± 54.931 $\chi^2/\text{NDF}: 1584.9/22$

+ sign 639.814 ± 34.942 $\chi^2/\text{NDF}: 15866.1/59$

All: -80.999 ± 24.460 $\chi^2/\text{NDF}: 37287.2/121$

- sign -773.634 ± 34.252 $\chi^2/\text{NDF}: 20586.6/61$

asym_bcm0l02_rms vs Slug



Right In: 191.058 ± 0.031 χ^2/NDF : 1620902.9/34

Left Out: 240.019 ± 0.041 χ^2/NDF : 1002427.9/24

Right Out: 191.411 ± 0.031 χ^2/NDF : 2363865.8/38

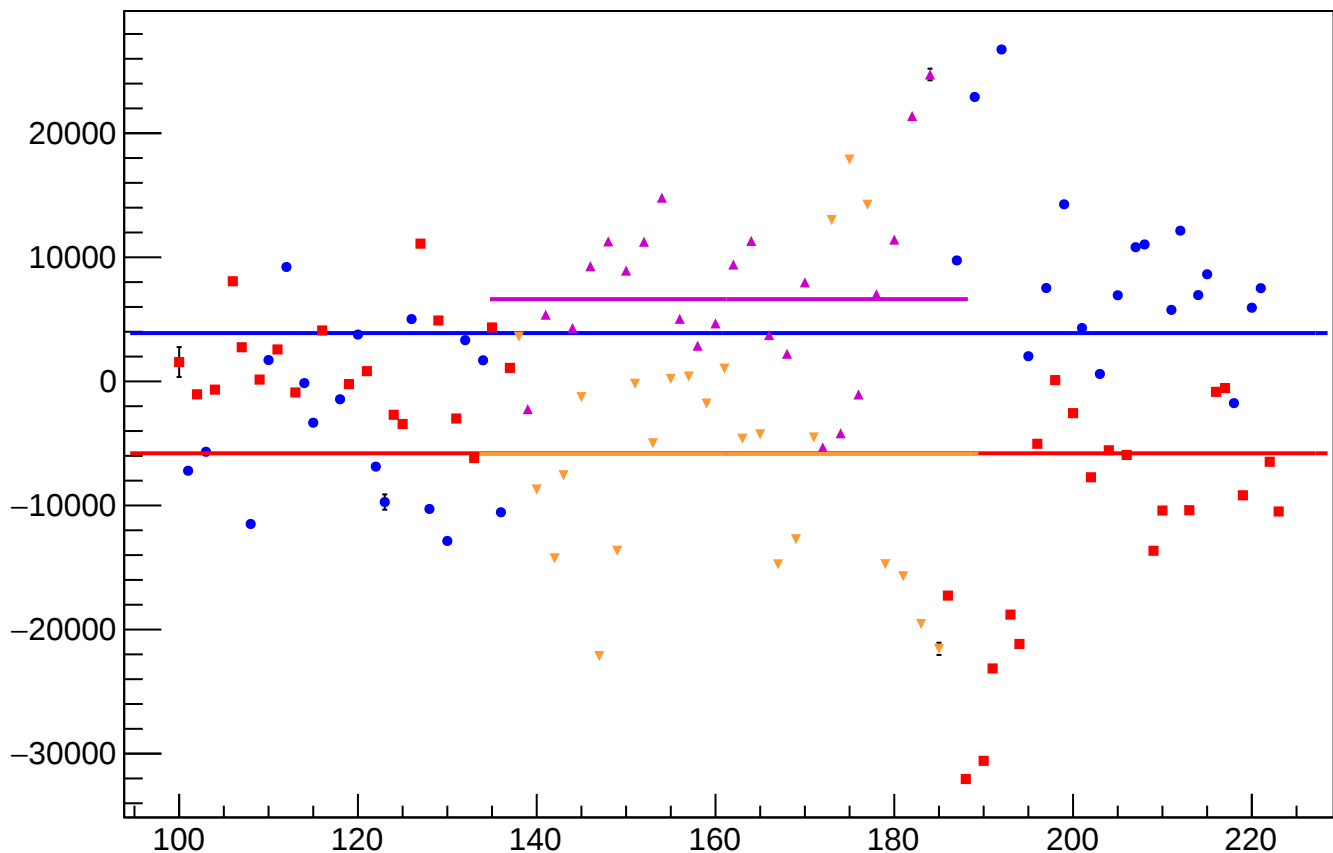
Left In: 221.173 ± 0.039 χ^2/NDF : 1342517.8/22

+ sign 209.241 ± 0.025 χ^2/NDF : 3540052.4/59

All: 206.049 ± 0.017 χ^2/NDF : 7637992.2/123

- sign 202.982 ± 0.024 χ^2/NDF : 4065219.7/61

asym_bpm2i01WS_mean vs Slug



Right In: 3893.028 ± 32.471 χ^2/NDF : 85526.5/34

Left Out: -5841.615 ± 35.848 χ^2/NDF : 63397.3/24

Right Out: -5795.020 ± 31.257 χ^2/NDF : 106153.8/38

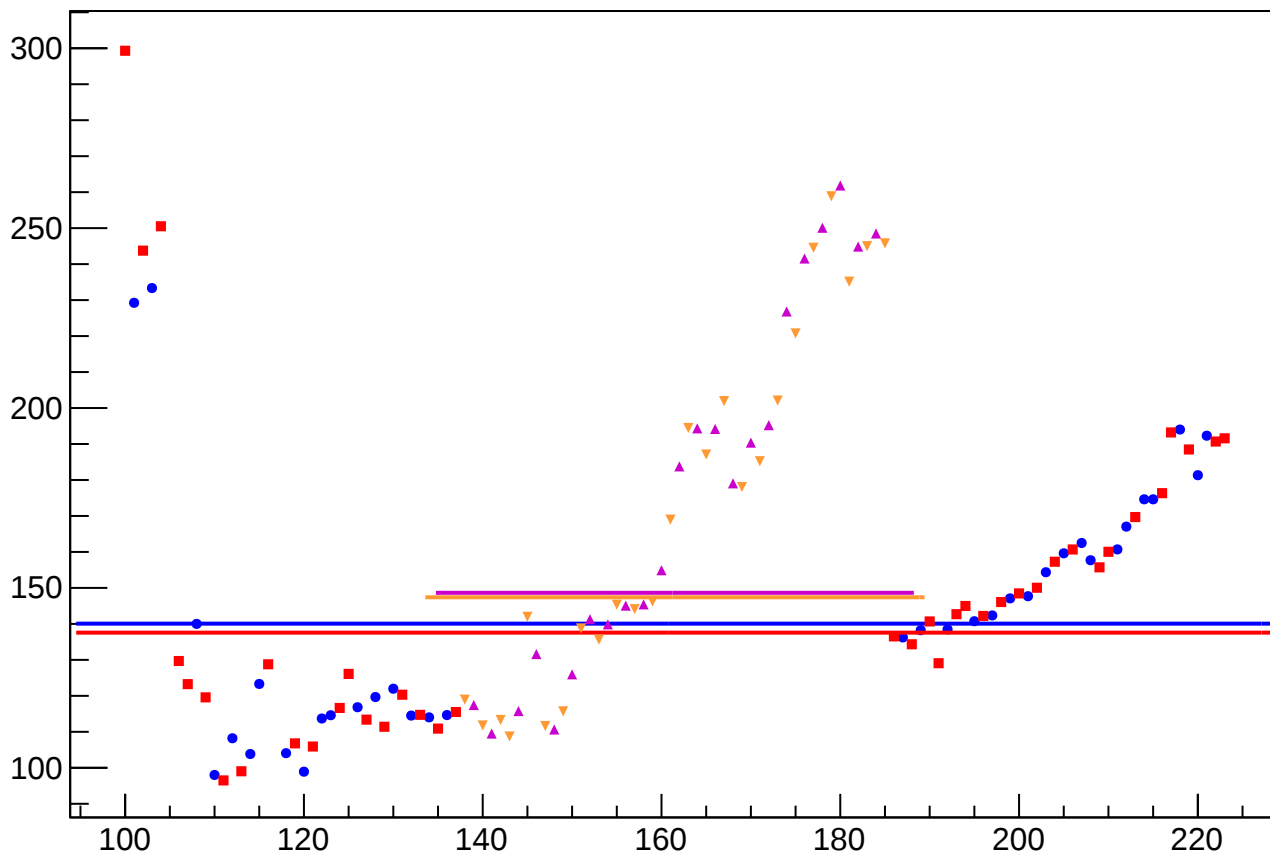
Left In: 6628.388 ± 37.160 χ^2/NDF : 21738.0/22

+ sign -494.338 ± 24.066 χ^2/NDF : 189430.9/59

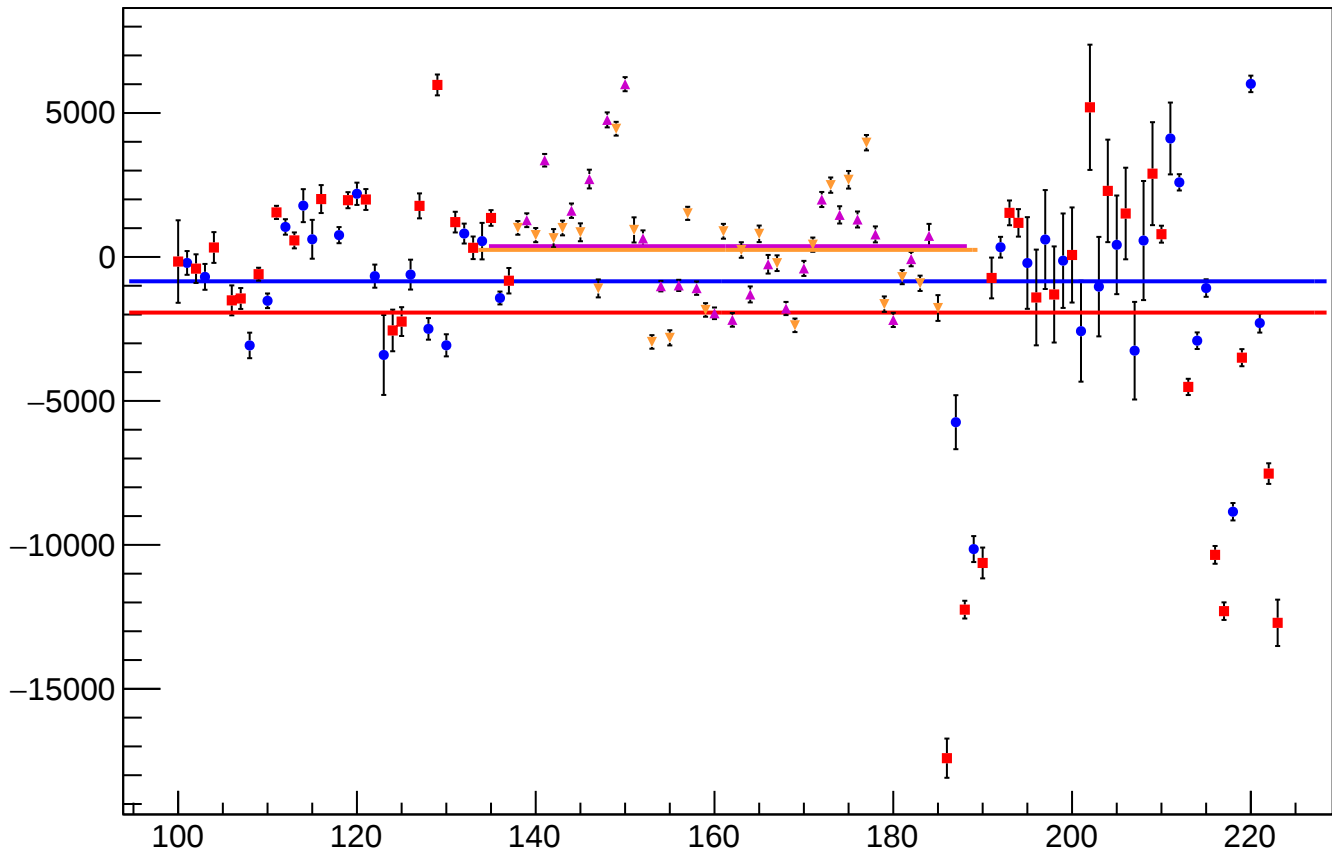
All: -571.280 ± 16.965 χ^2/NDF : 382800.7/12

- sign -647.292 ± 23.920 χ^2/NDF : 193349.4/61

asym_bpm2i01WS_rms vs Slug



asym_bpm0i07WS_mean vs Slug



Right In: -845.429 ± 69.050 χ^2/NDF : 2272.7/34

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -1931.797 ± 64.013 χ^2/NDF : 6130.1/38

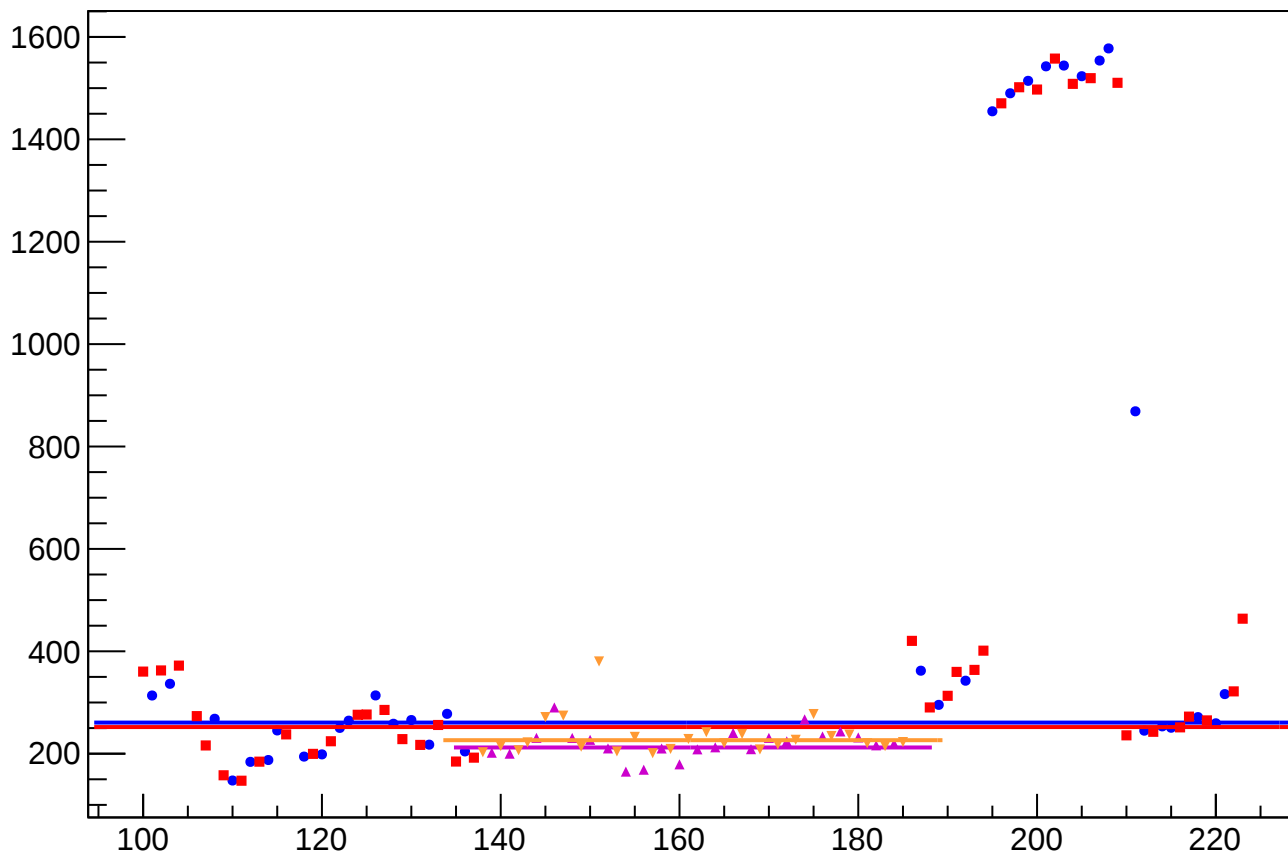
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -163.269 ± 42.287 χ^2/NDF : 3783.8/59

All: -360.695 ± 29.178 χ^2/NDF : 12537.0/121

- sign -540.099 ± 40.311 χ^2/NDF : 8711.6/61

asym_bpm0i07WS_rms vs Slug



Right In: 260.777 $\pm$ 0.049 χ^2 /NDF: 10260880.5/34

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 252.021 $\pm$ 0.045 χ^2 /NDF: 9514380.8/38

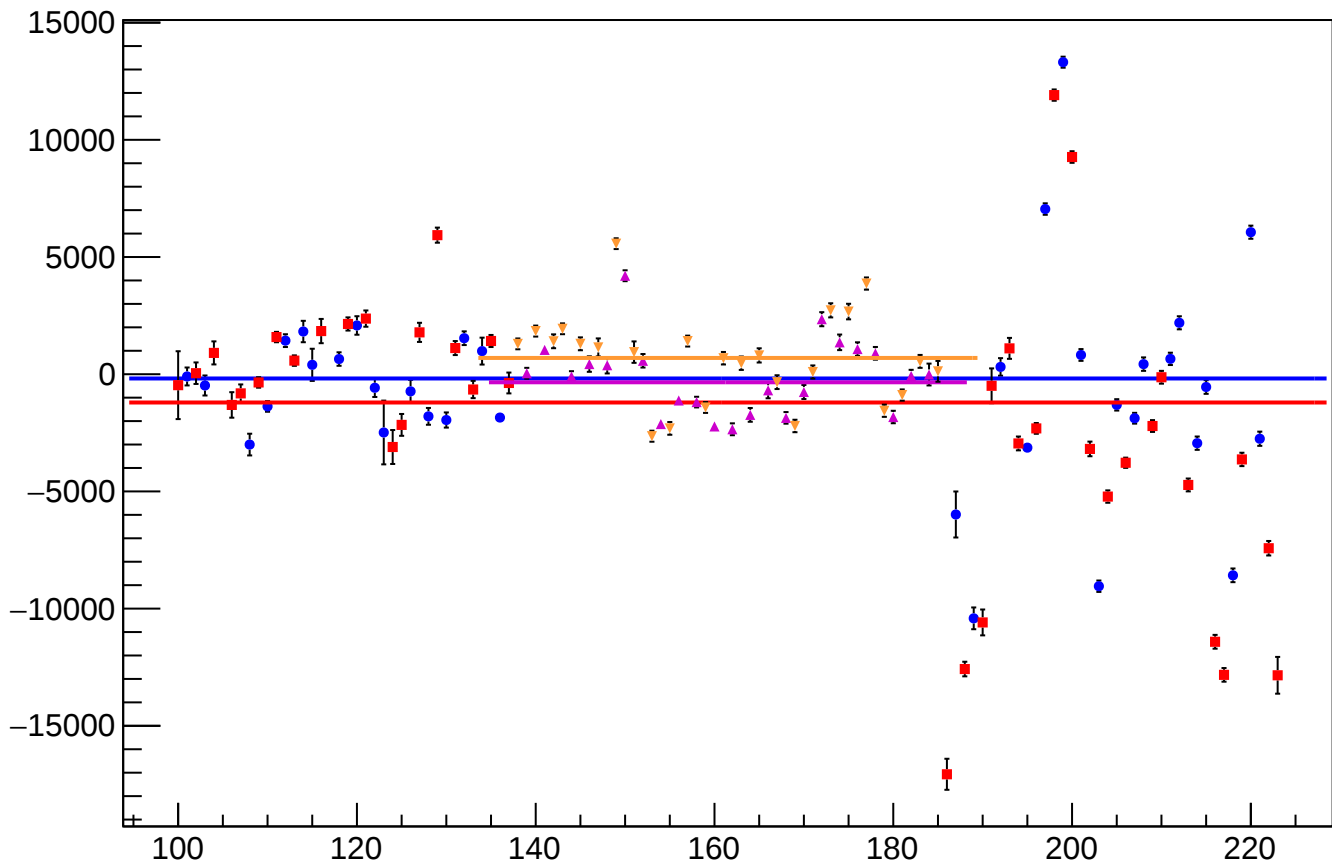
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 239.278 $\pm$ 0.030 χ^2 /NDF: 11092885.5/59

All: 233.347 $\pm$ 0.021 χ^2 /NDF: 21742383.0/12

- sign 227.958 $\pm$ 0.029 χ^2 /NDF: 10574414.9/61

asym_bpm0l01WS_mean vs Slug



Right In: -181.909 ± 51.490 $\chi^2/\text{NDF}: 8184.5/34$

Left Out: 694.326 ± 54.246 $\chi^2/\text{NDF}: 1422.1/24$

Right Out: -1206.552 ± 50.776 $\chi^2/\text{NDF}: 12388.9/38$

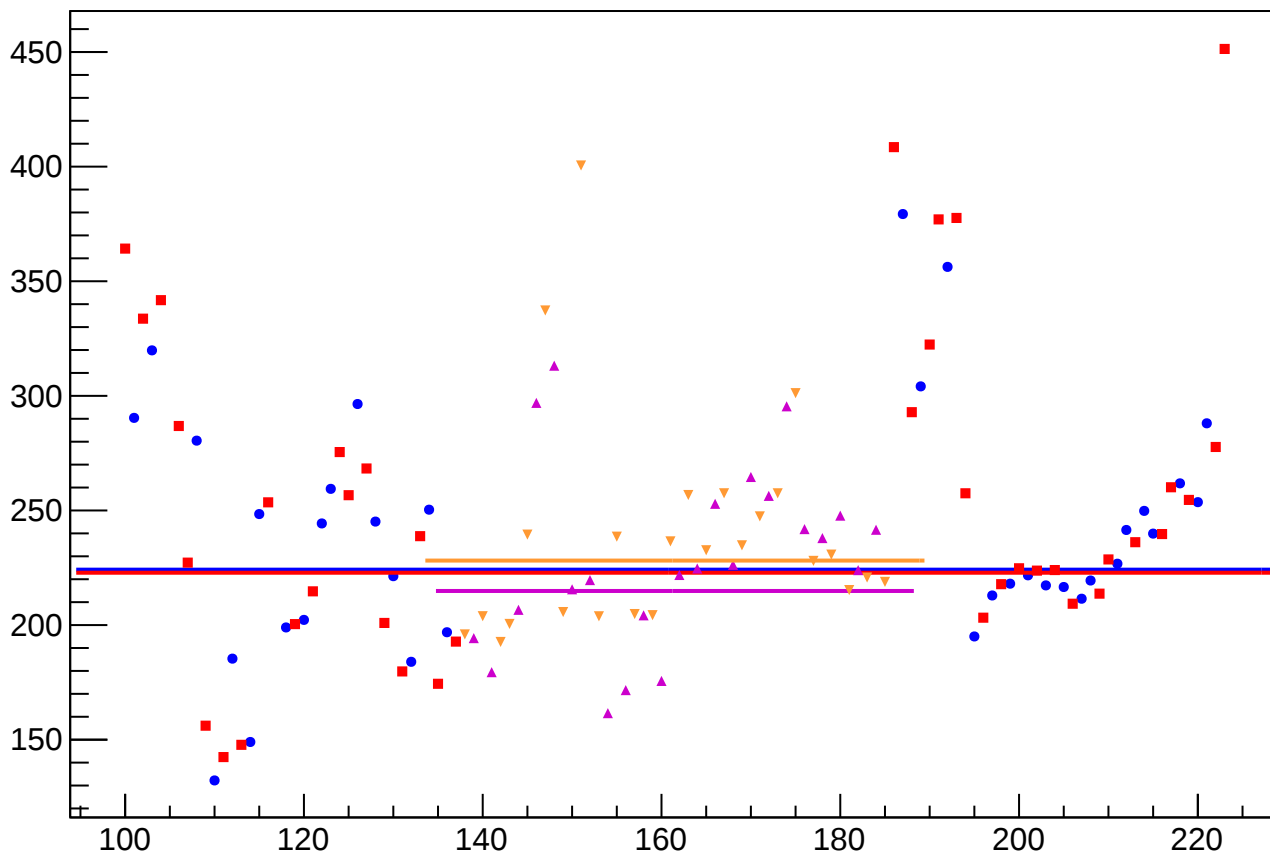
Left In: -344.578 ± 52.954 $\chi^2/\text{NDF}: 985.0/22$

+ sign 233.385 ± 37.346 $\chi^2/\text{NDF}: 9743.9/59$

All: -289.788 ± 26.158 $\chi^2/\text{NDF}: 23641.1/121$

- sign -793.654 ± 36.650 $\chi^2/\text{NDF}: 13512.0/61$

asym_bpm0l01WS_rms vs Slug



Right In: 224.179 $\pm$ 0.036 χ^2 /NDF: 1354592.2/34

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF: 828399.3/24

Right Out: 222.840 $\pm$ 0.036 χ^2 /NDF: 2155190.9/38

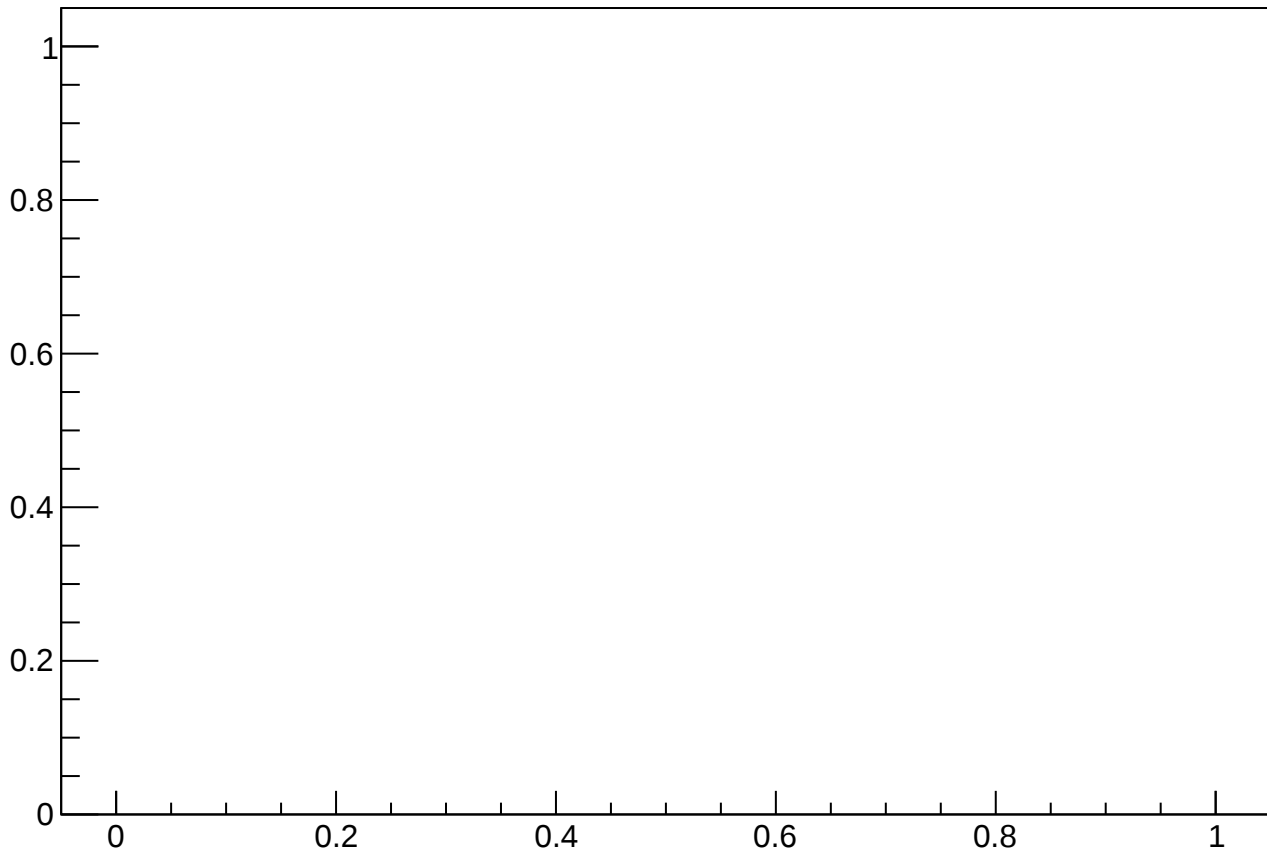
Left In: 214.878 $\pm$ 0.037 χ^2 /NDF: 1037509.6/22

+ sign 226.058 $\pm$ 0.026 χ^2 /NDF: 2188611.4/59

All: 222.476 $\pm$ 0.018 χ^2 /NDF: 5440988.1/123

- sign 219.026 $\pm$ 0.026 χ^2 /NDF: 3216258.0/61

bcm_an_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

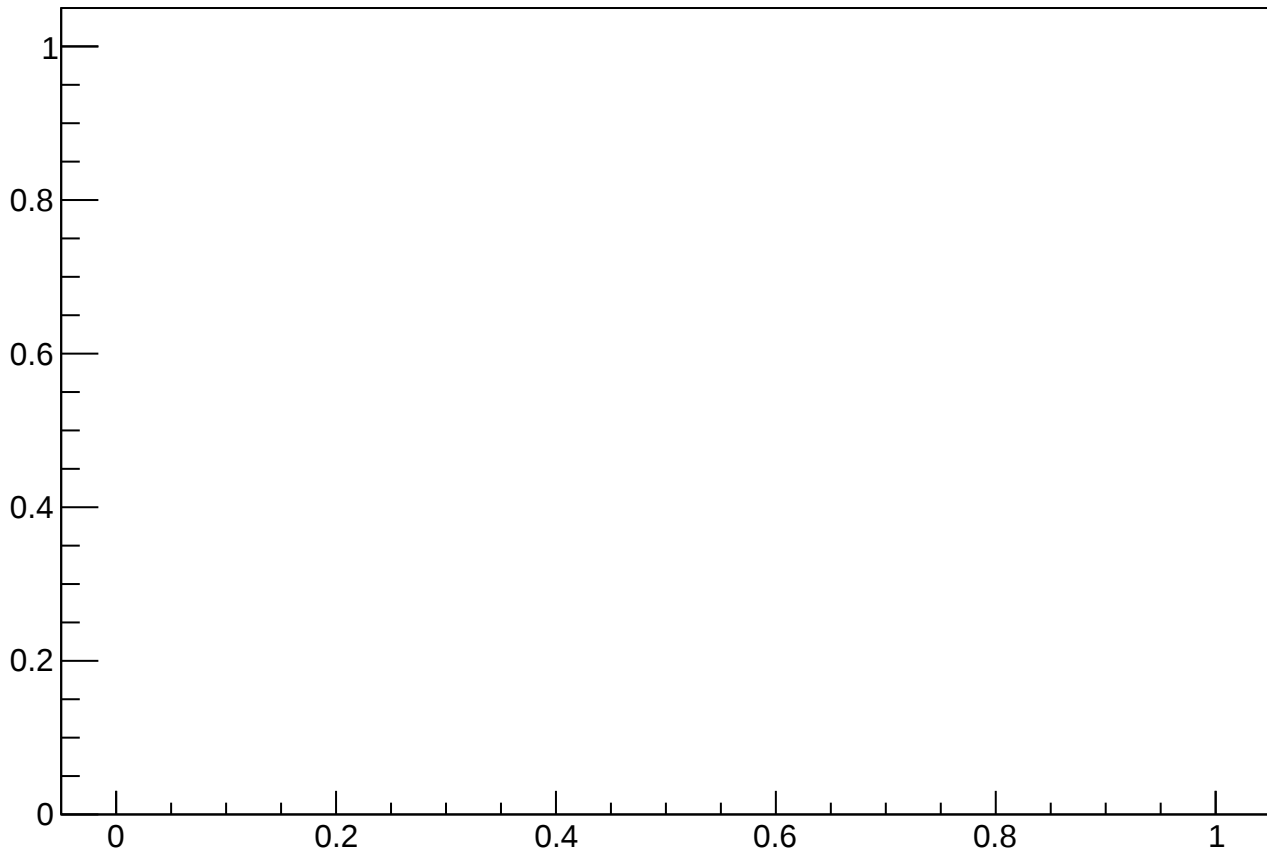
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_an_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

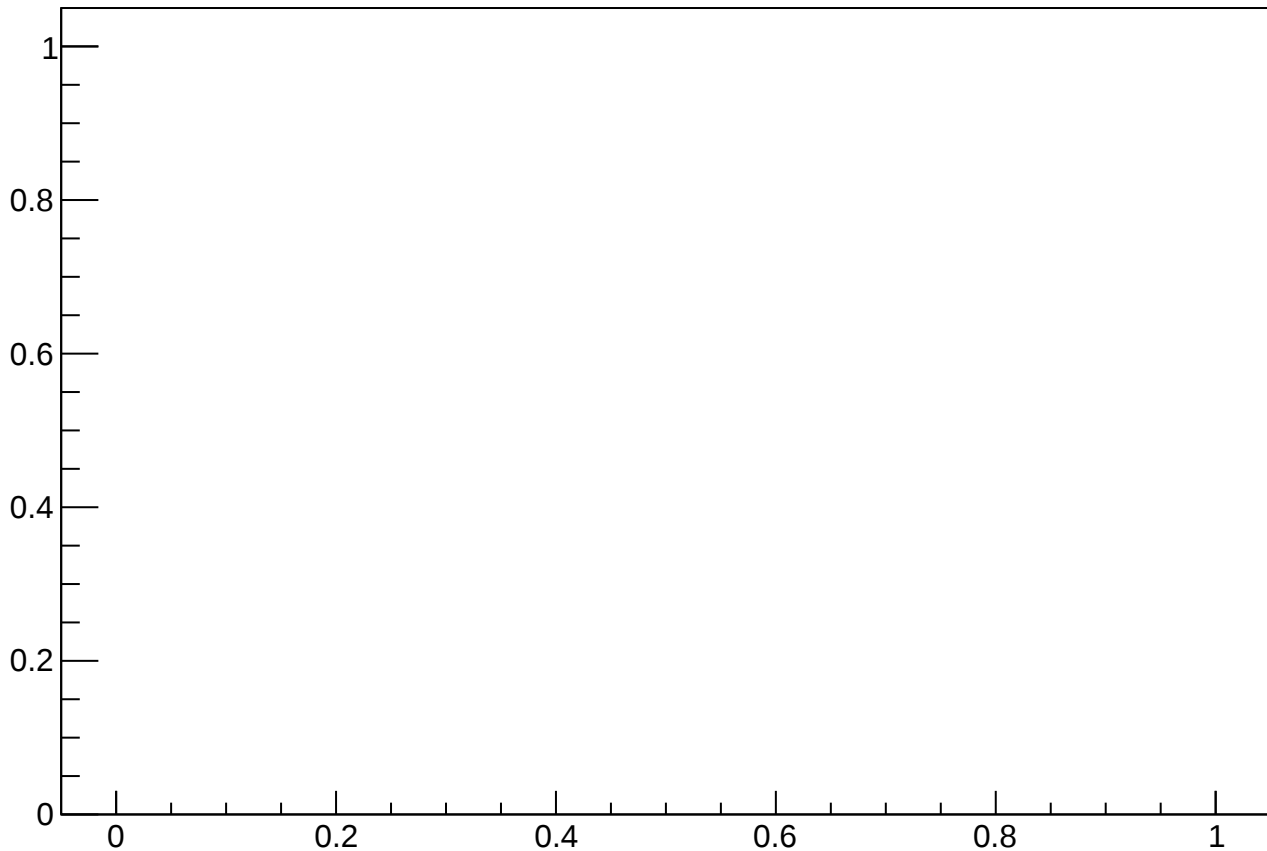
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

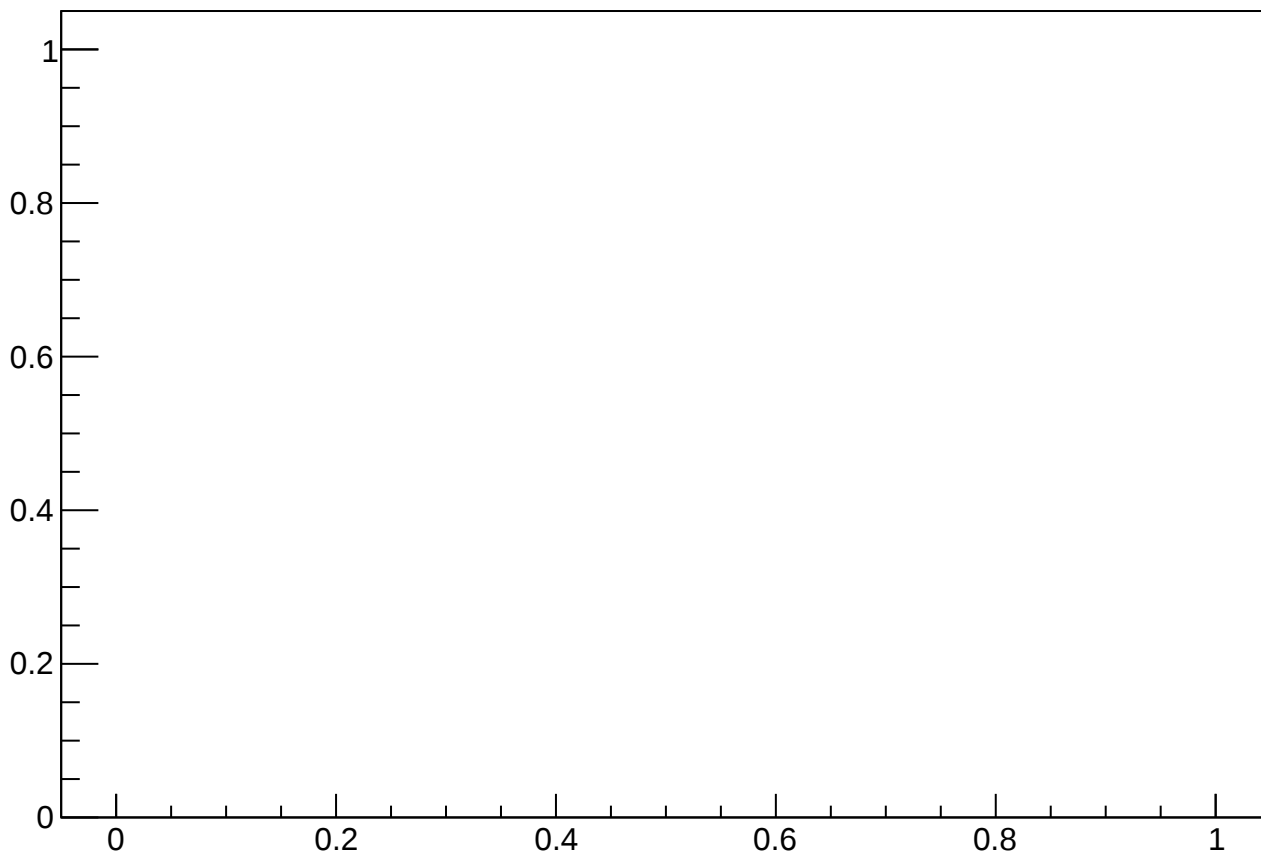
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

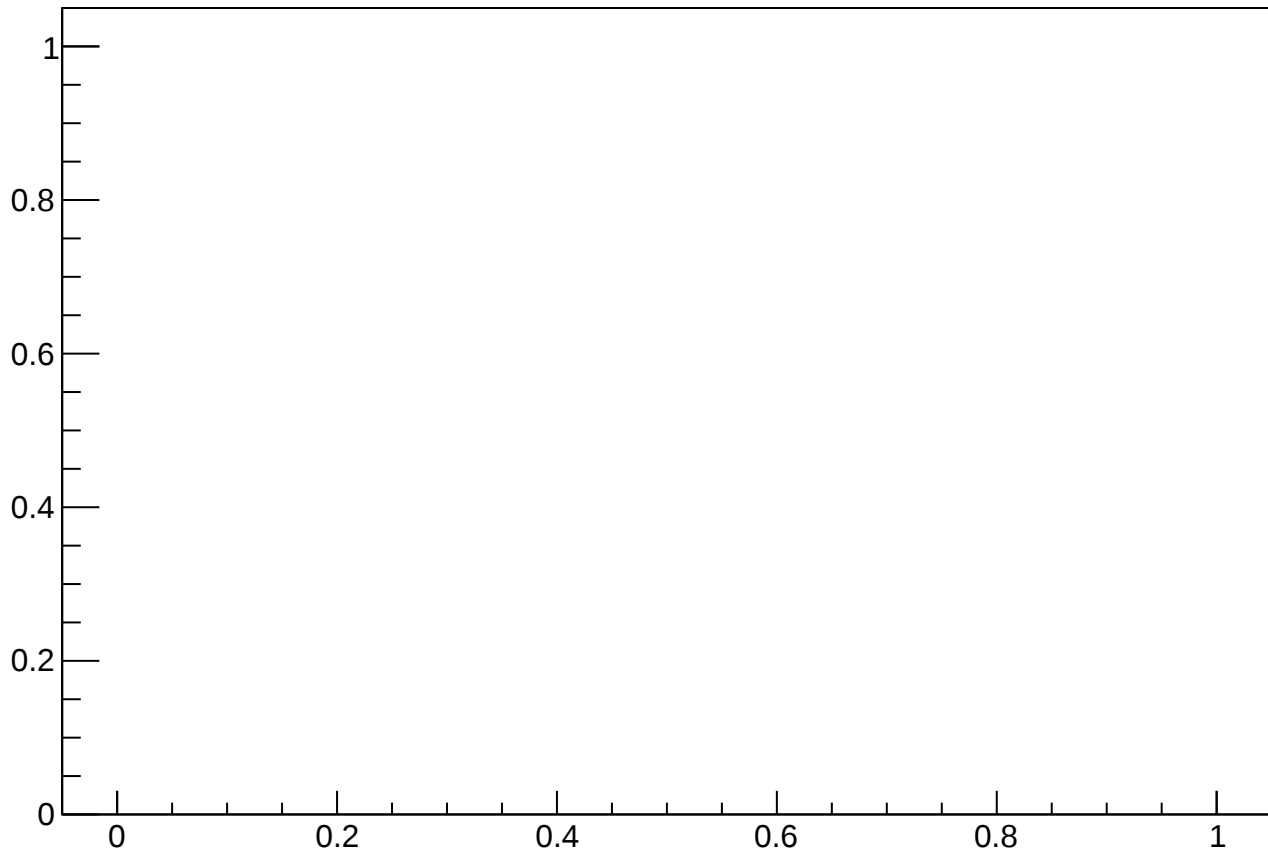
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

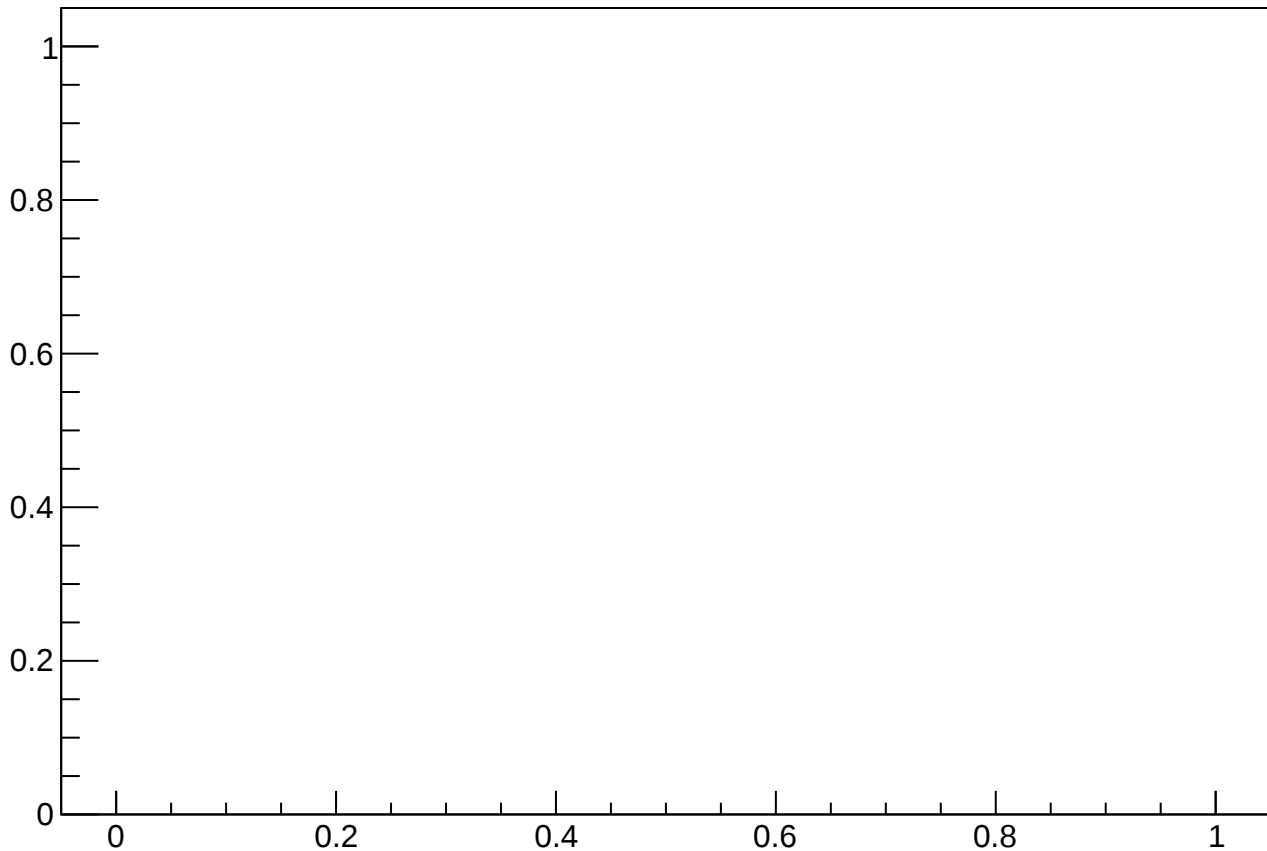
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

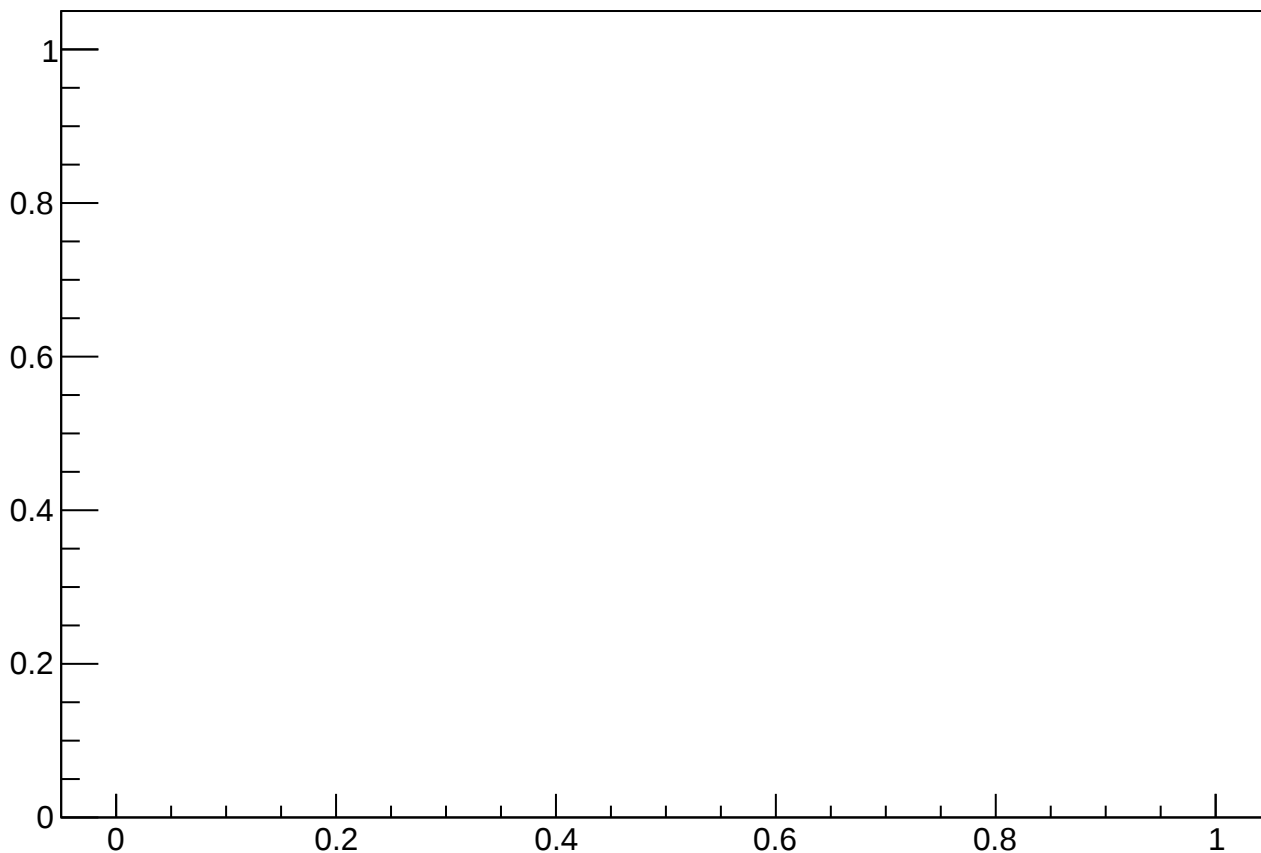
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

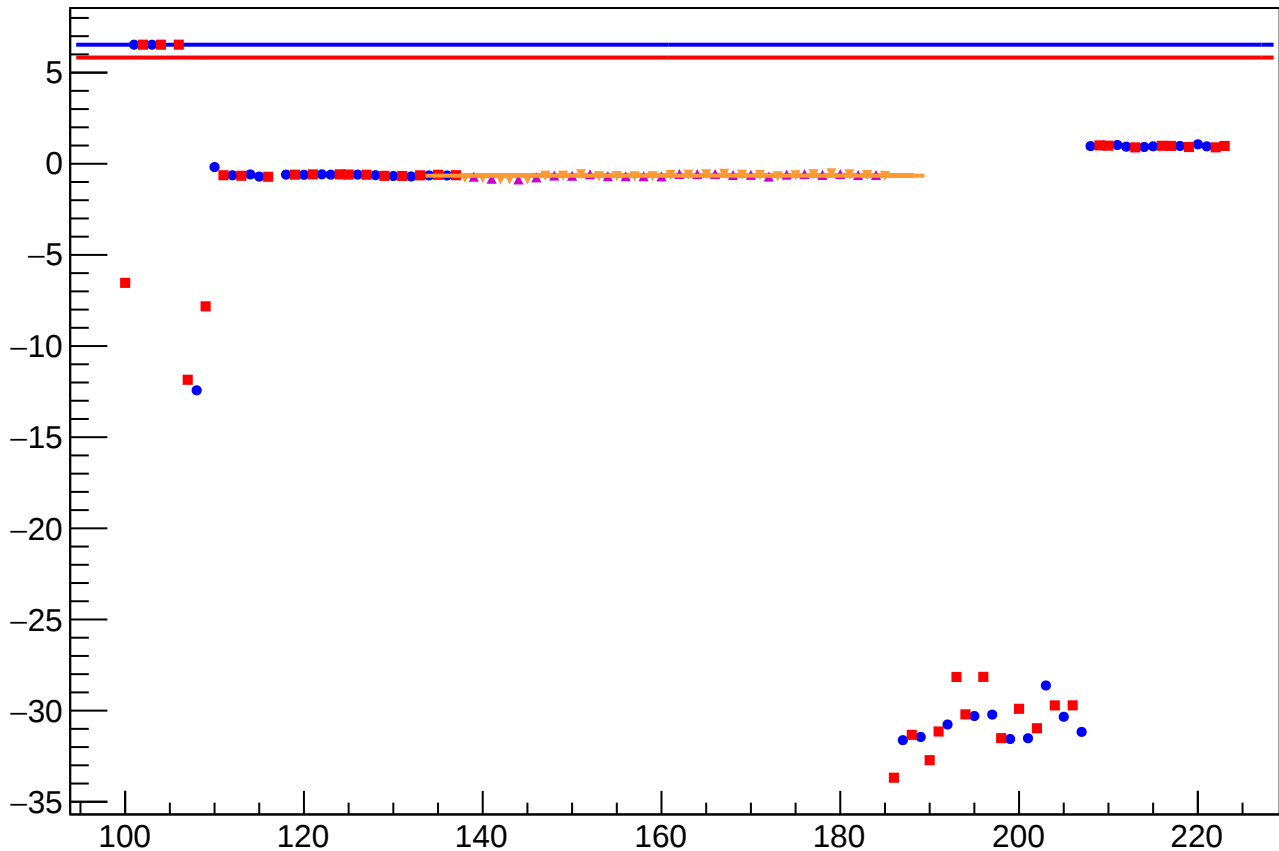
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 143061384248.5/34

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755973225531078.8/38

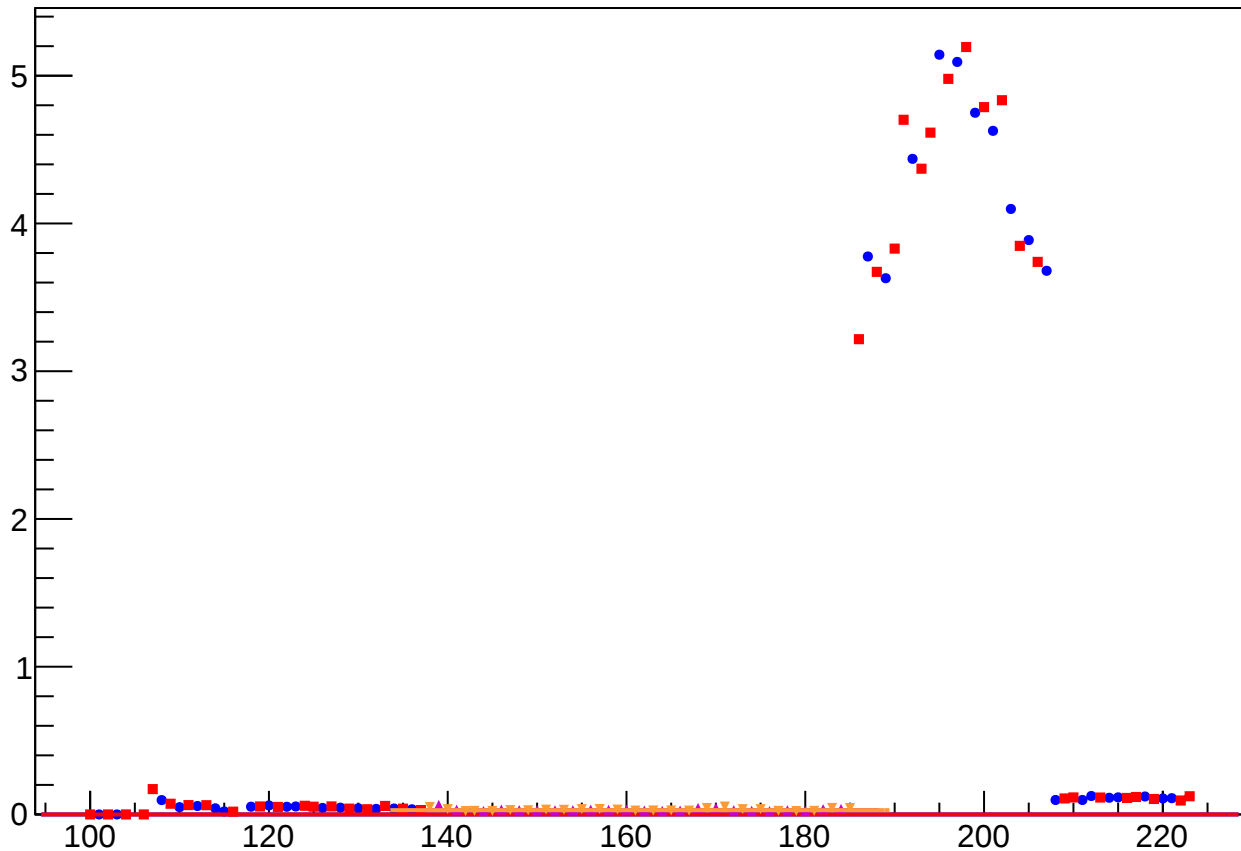
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1016892183134.8/59

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77765320124459

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756651683324925.9/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 34610647.8/34

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 35677185.3/38

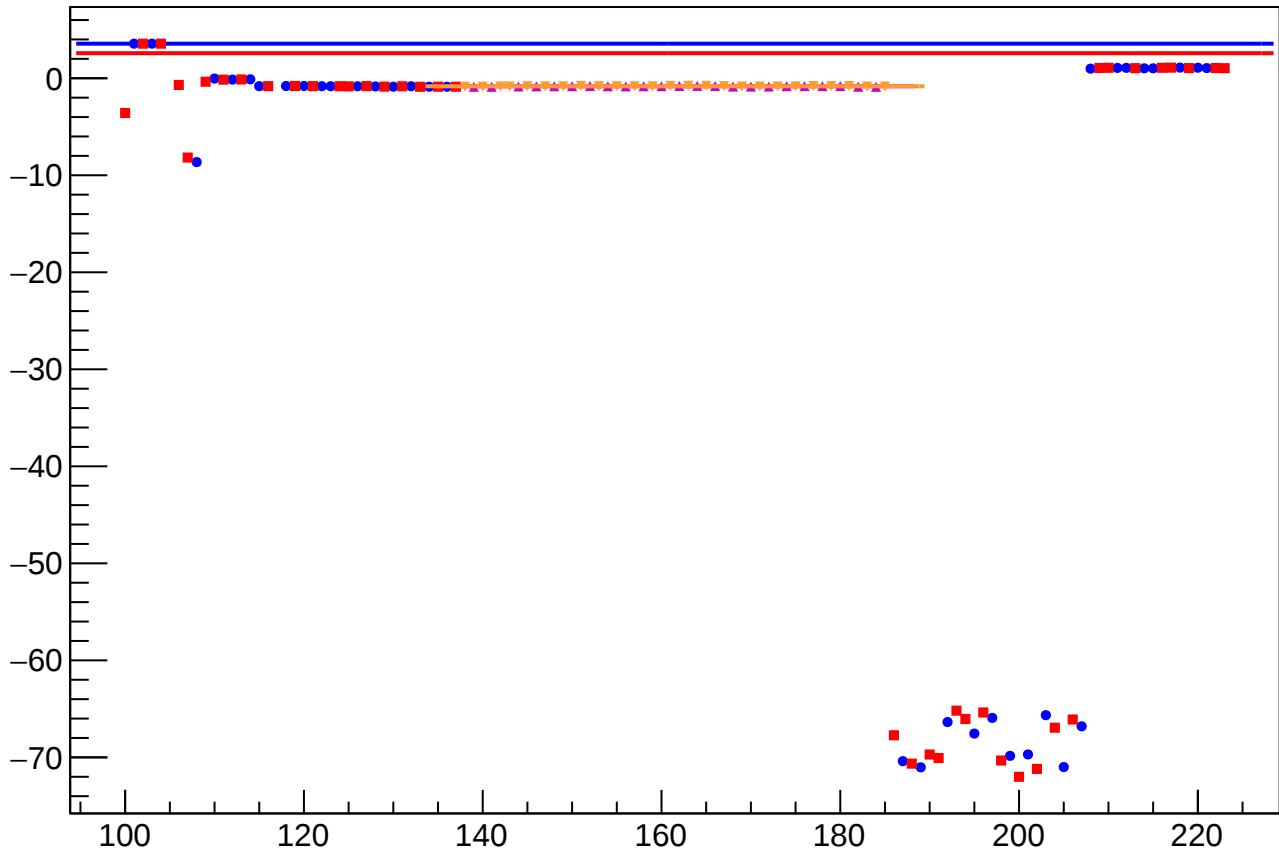
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 64572996.7/59

All: 0.000+/-0.000 χ^2/NDF : 128431686.3/121

- sign 0.000+/-0.000 χ^2/NDF : 63857953.1/61

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 610705287231.5/34

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

+ sign 3.560+/-0.000 χ^2/NDF : 4306872960681.3/59

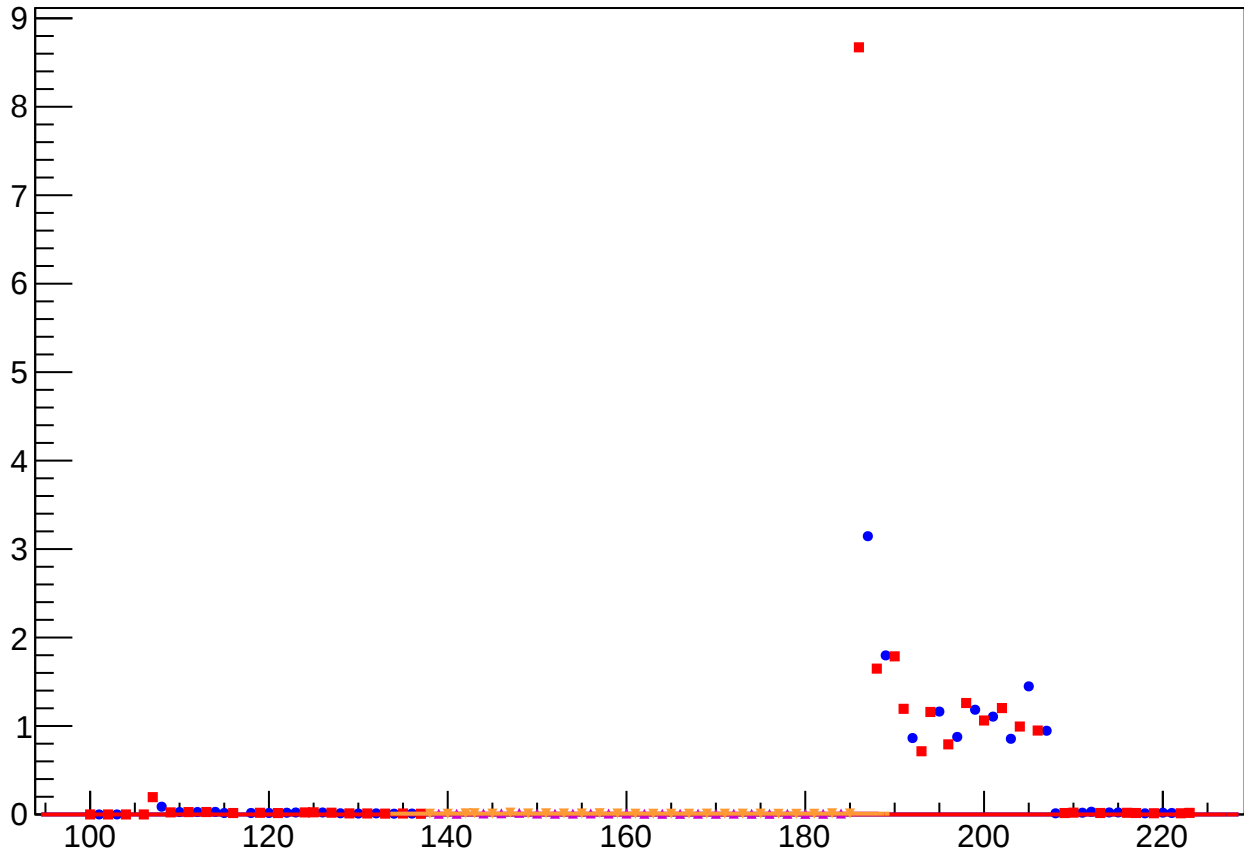
Right Out: 2.583+/-0.000 χ^2/NDF : 1253577363725504.2/38

All: 3.037+/-0.000 χ^2/NDF : 13881767486583.0/119

- sign 2.581+/-0.000 χ^2/NDF : 1255798317438418.8/38

Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 31442269.3/34

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 33106742.1/38

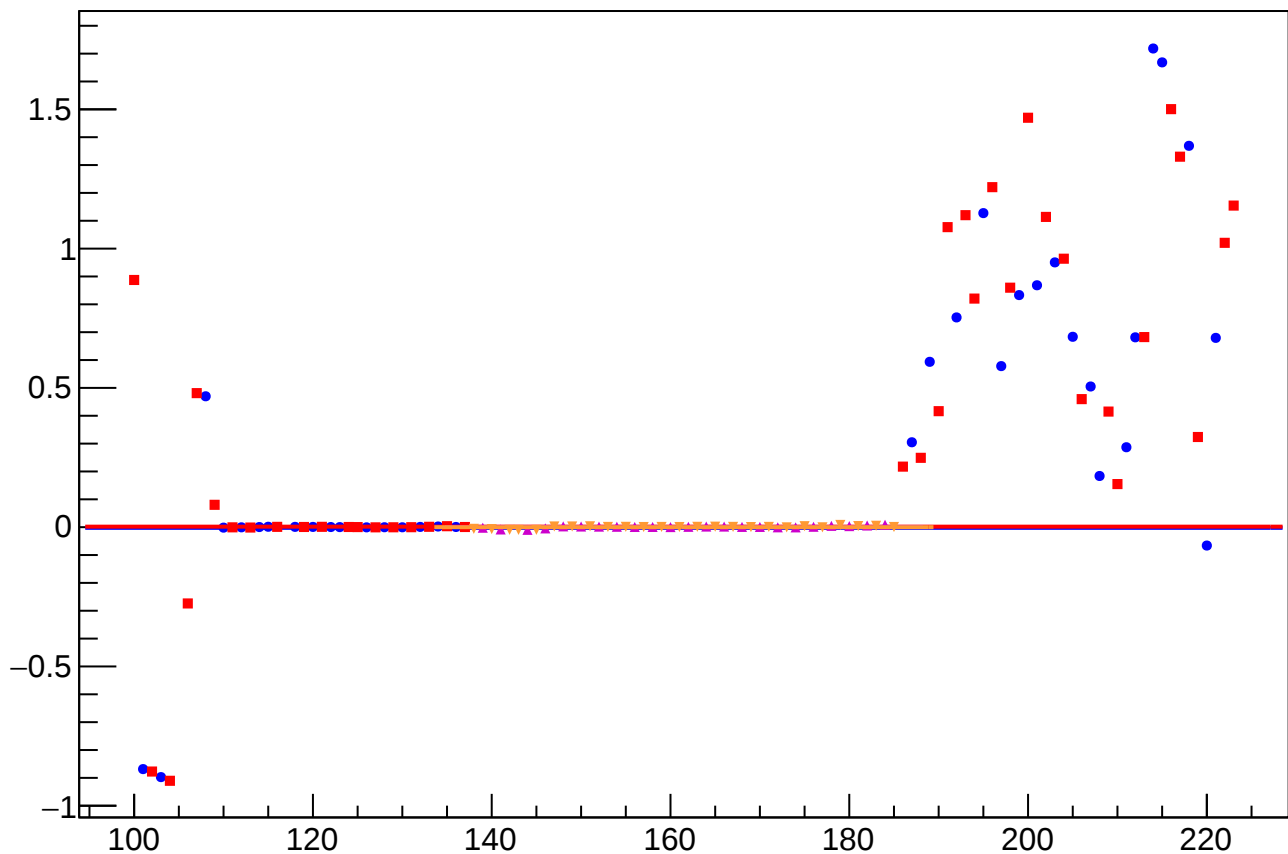
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 62942967.5/59

All: 0.000+/-0.000 χ^2/NDF : 125850101.3/121

- sign 0.000+/-0.000 χ^2/NDF : 62906032.4/61

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9797510653.3/34

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3044448273.4/38

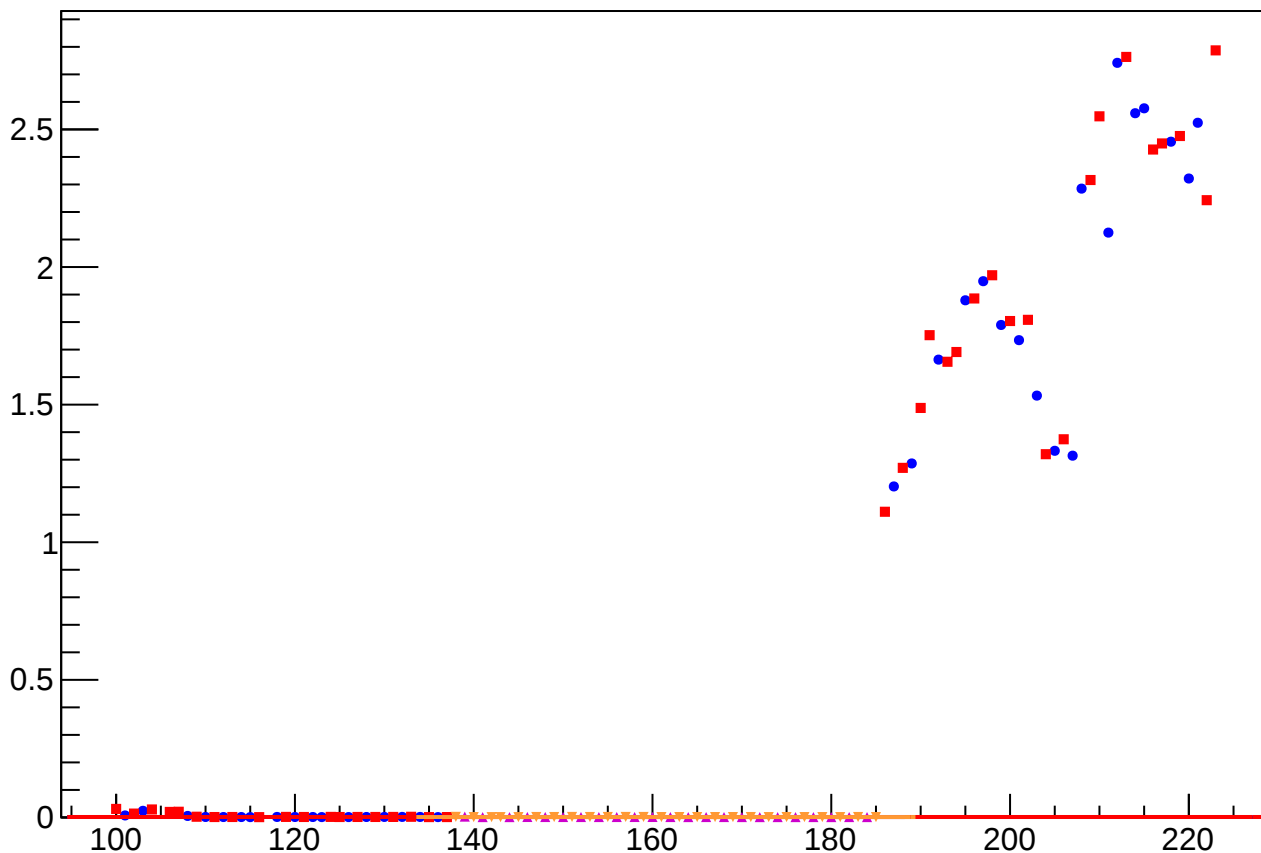
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9956025119.4/59

All: 0.000 ± 0.000 χ^2/NDF : 13111473965.5/100

- sign 0.001 ± 0.000 χ^2/NDF : 3147897305.2/61

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 27675938.1/34

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539040.4/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 29360911.7/38

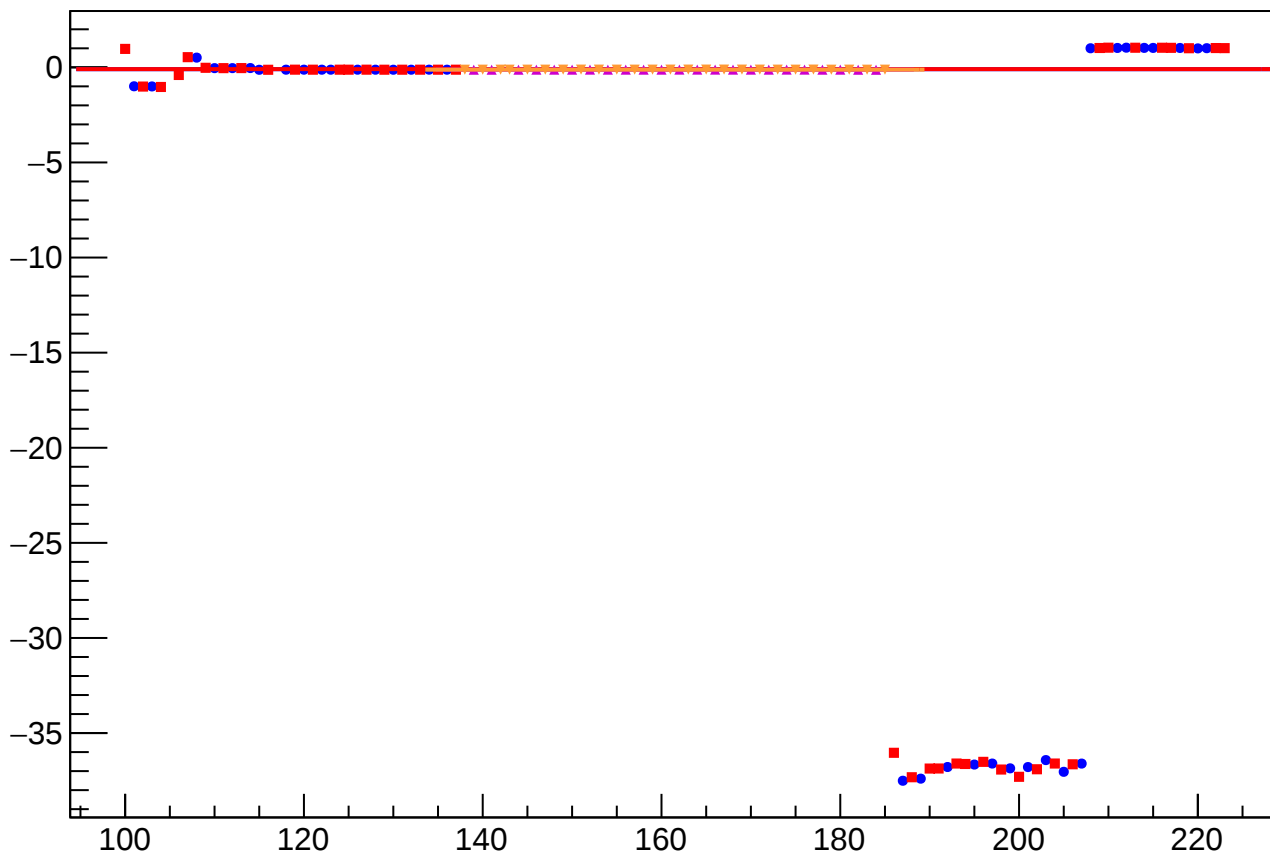
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:659543.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 28287904.0/59

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 58428479.3/121

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 30132680.4/61

yield_cav4cY_mean vs Slug



Right In: -0.098 ± 0.000 $\chi^2/\text{NDF}: 114707545129.4/34$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58329026.8/24$

Right Out: -0.094 ± 0.000 $\chi^2/\text{NDF}: 117186727157.1/38$

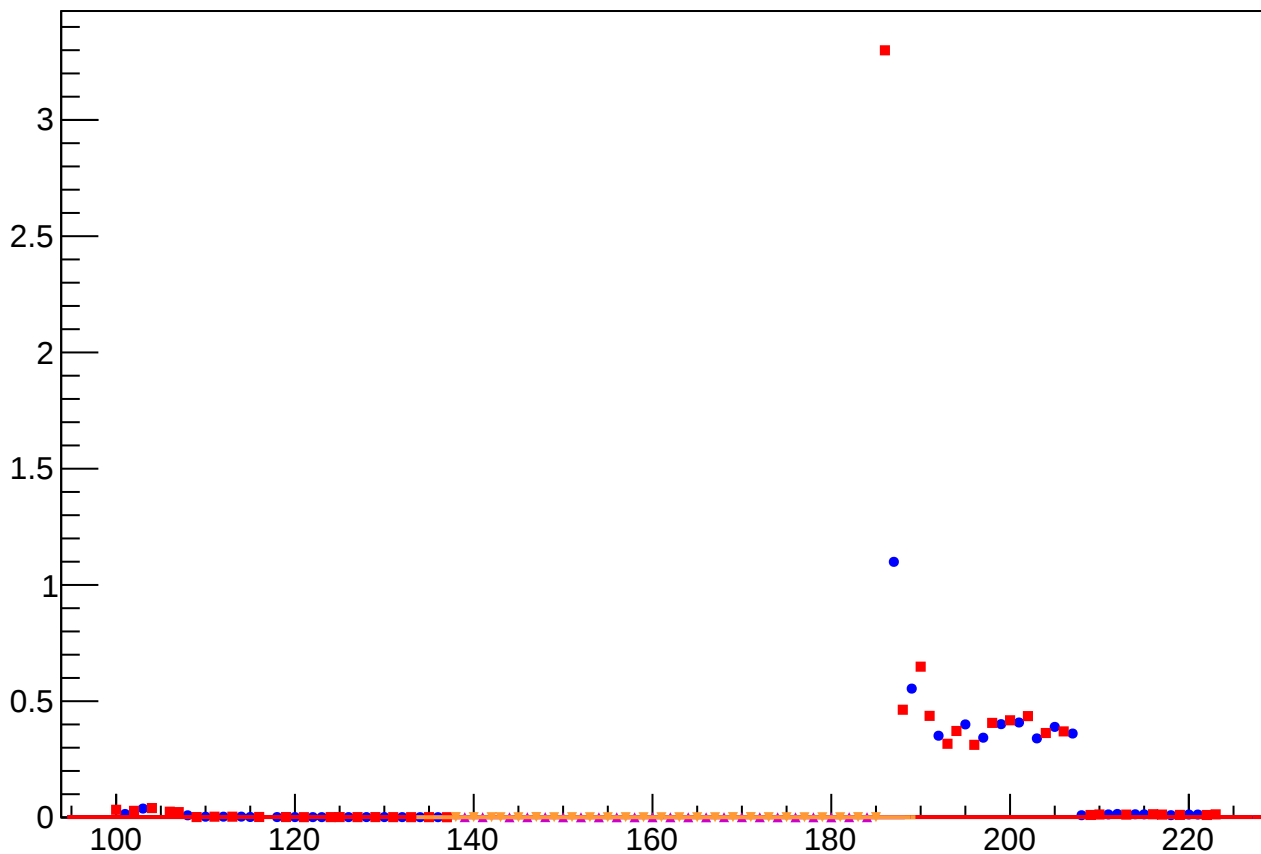
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 53134323.3/22$

+ sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 115679953103.6/59$

All: -0.118 ± 0.000 $\chi^2/\text{NDF}: 234212376551.0$

- sign -0.118 ± 0.000 $\chi^2/\text{NDF}: 118526897330.0/61$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 24788018.2/34

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 26428966.3/38

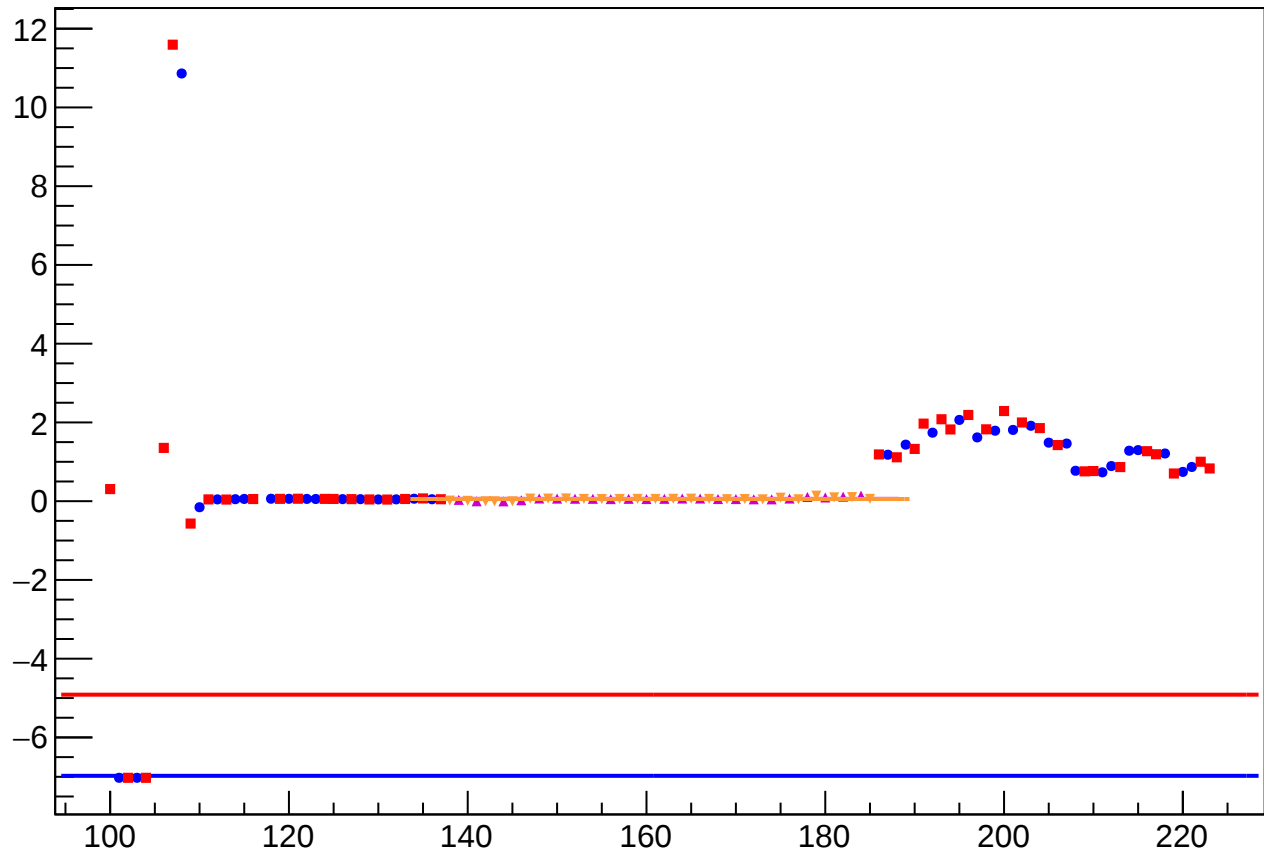
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 28395920.9/59

All: 0.001+/-0.000 χ^2/NDF : 57921017.8/121

- sign 0.001+/-0.000 χ^2/NDF : 29522900.9/61

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8763306111710.8/34

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365349000842618.8/38

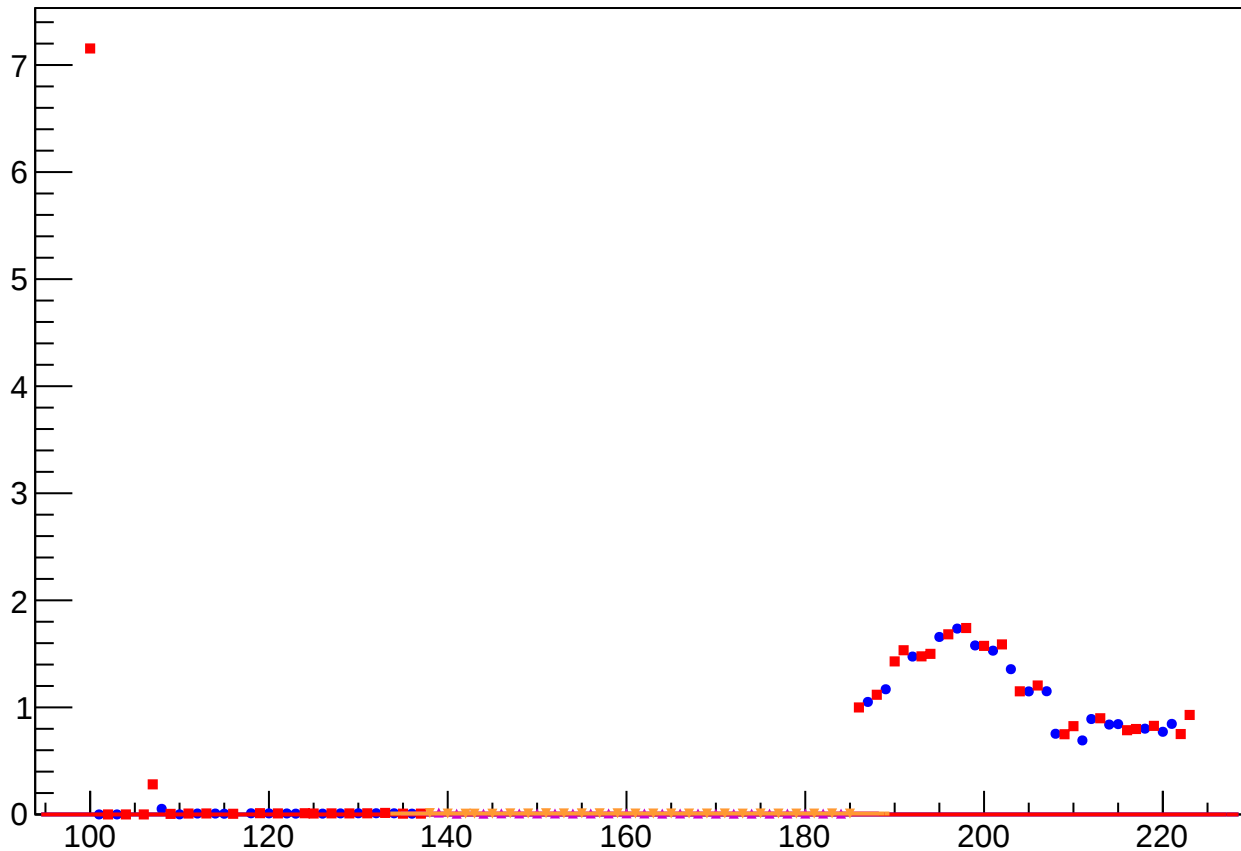
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18418285504909.9/34

All: -5.858 ± 0.000 χ^2/NDF : 4435824185859.9/34

- sign -4.882 ± 0.000 χ^2/NDF : 369771288080151.9/34

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 34007413.6/34

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 35128974.2/38

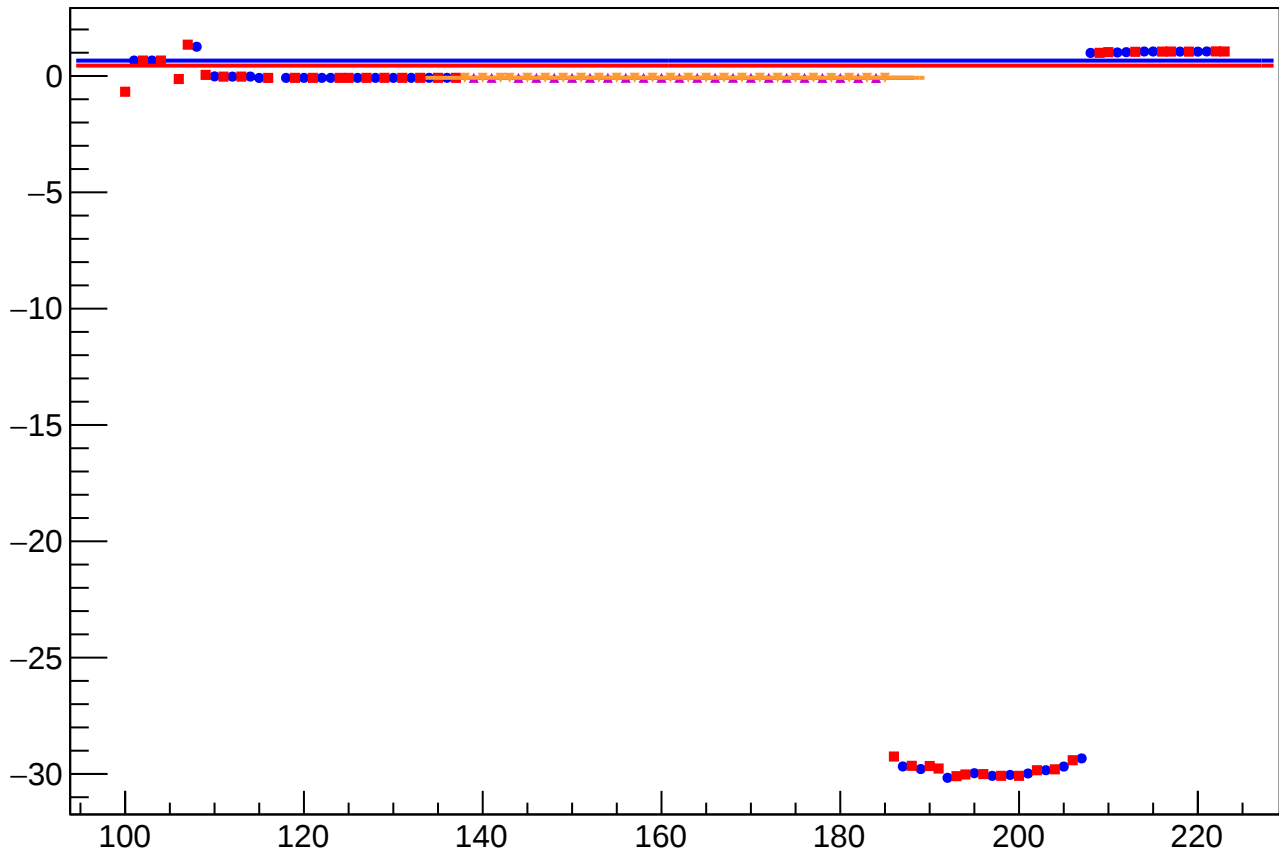
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 62992260.2/59

All: 0.000+/-0.000 χ^2/NDF : 125797627.9/121

- sign 0.000+/-0.000 χ^2/NDF : 62800867.1/61

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5650606471090.8/34

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156525648.0/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405489078912927.8/38

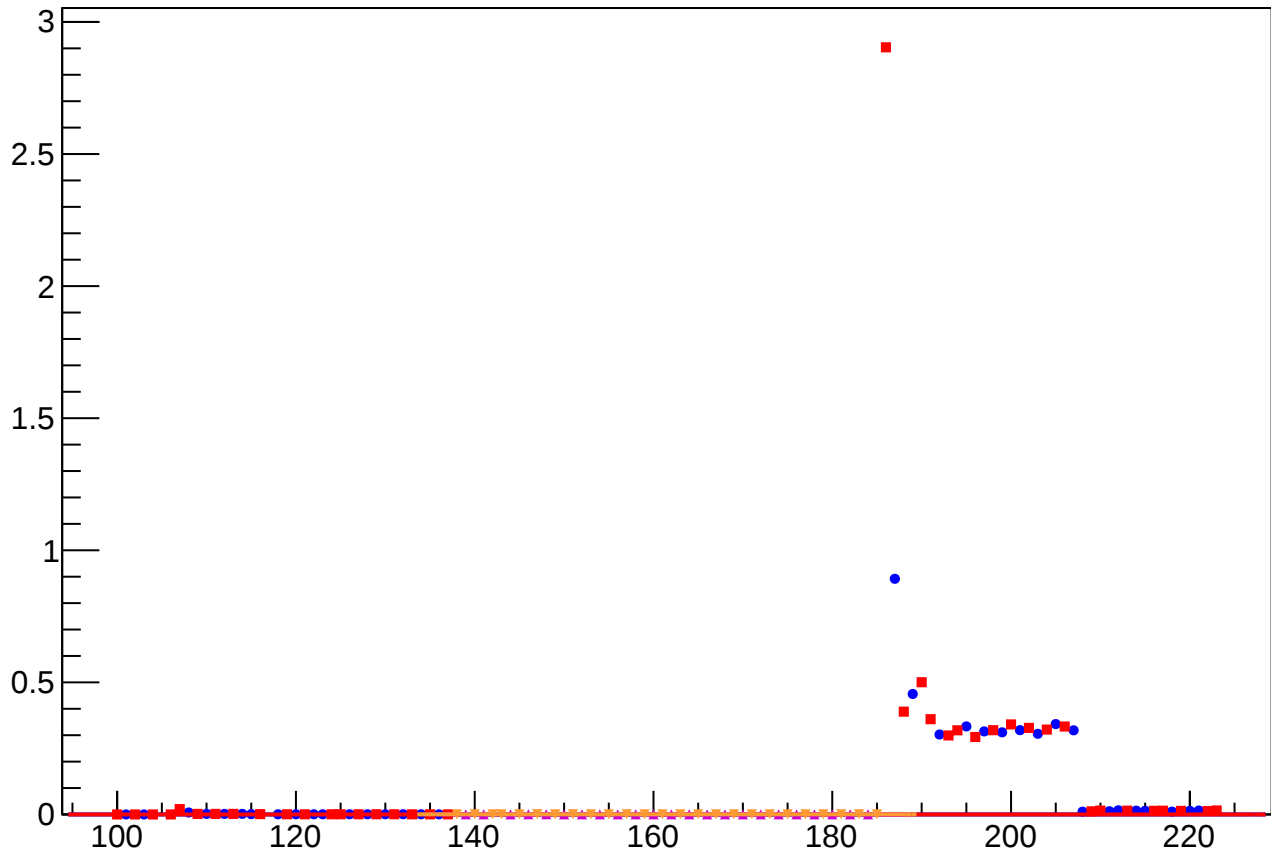
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 111221084.5/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35818472075490.4/5

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51611969522069

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419720925728703.0/5

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 35196633.7/34

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 35632355.2/38

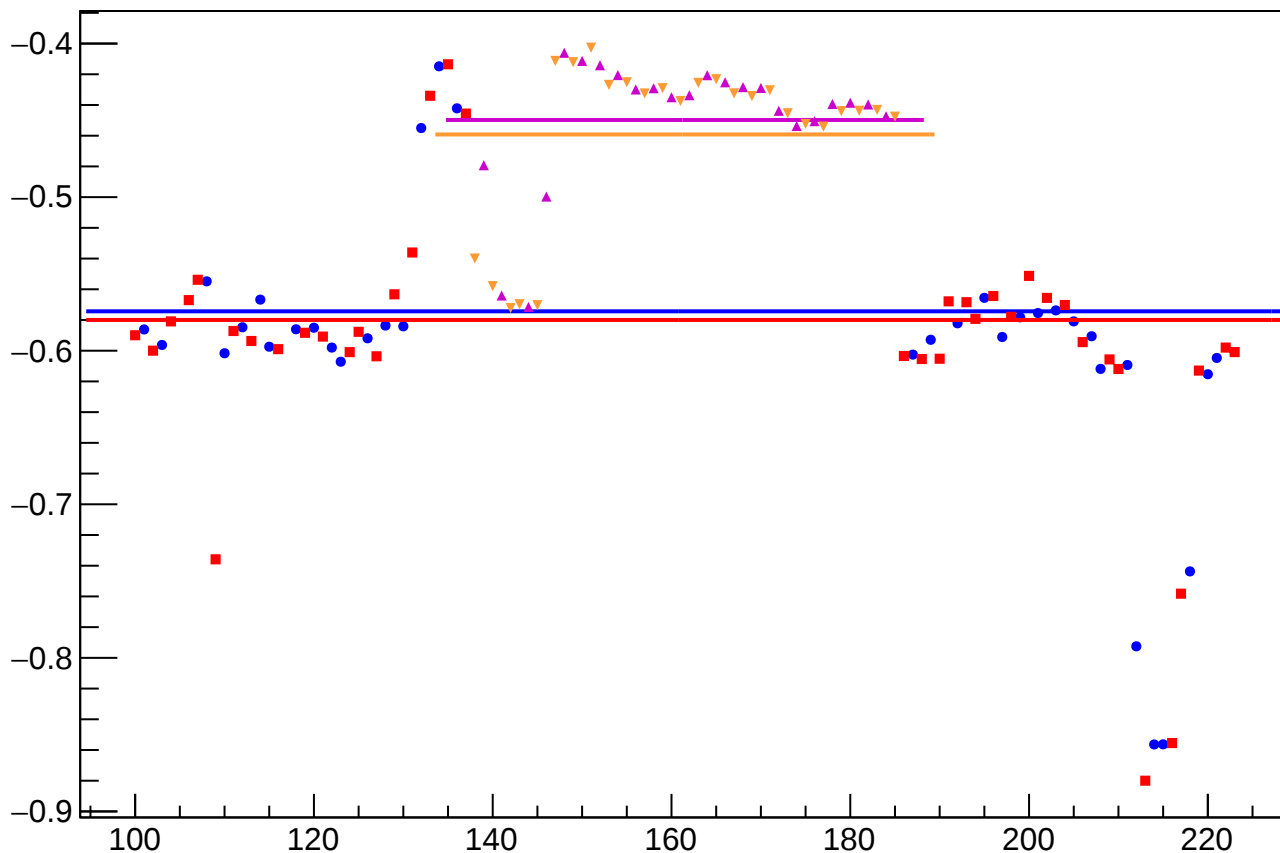
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 67825018.8/59

All: 0.000+/-0.000 χ^2/NDF : 134485485.4/121

- sign 0.000+/-0.000 χ^2/NDF : 66653042.2/61

yield_bpm4aX_mean vs Slug



Right In: -0.574 ± 0.000 χ^2/NDF : 115433328.3/34

Left Out: -0.459 ± 0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.580 ± 0.000 χ^2/NDF : 120078030.8/38

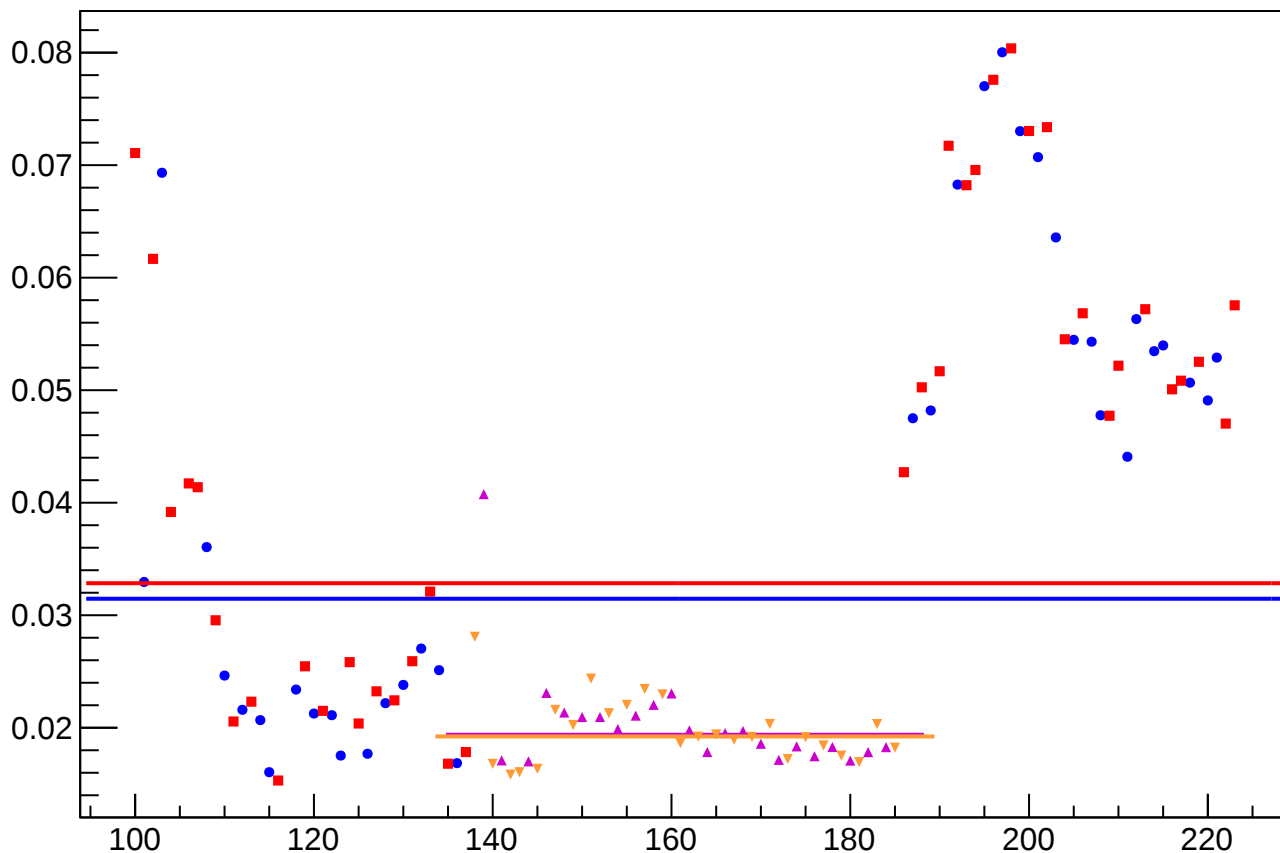
Left In: -0.450 ± 0.000 χ^2/NDF : 76151485.7/22

+ sign -0.490 ± 0.000 χ^2/NDF : 369976671.9/59

All: -0.487 ± 0.000 χ^2/NDF : 738817289.4/12

- sign -0.485 ± 0.000 χ^2/NDF : 368309337.9/61

yield_bpm4aX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 8295223.3/34

Left Out: 0.019+/-0.000 χ^2/NDF : 501253.7/24

Right Out: 0.033+/-0.000 χ^2/NDF : 8102425.5/38

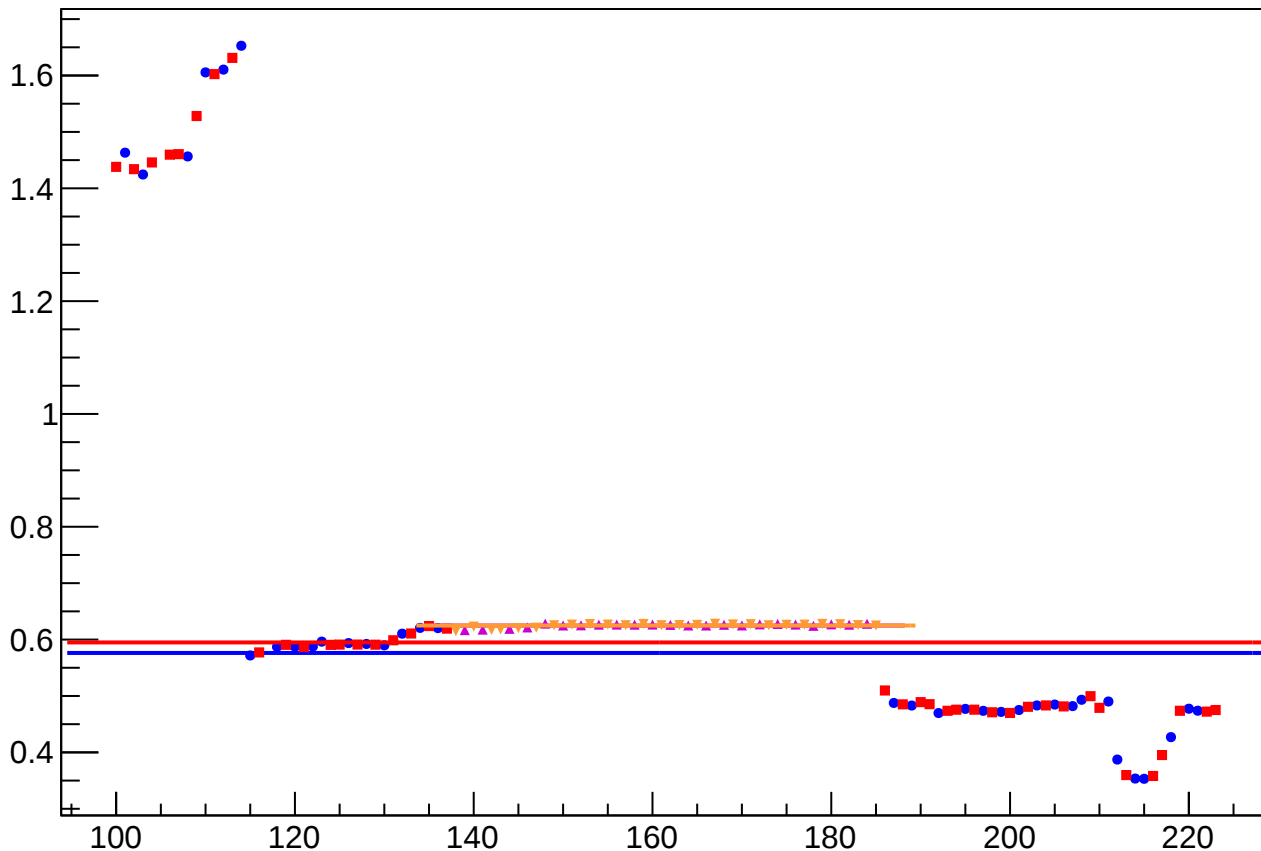
Left In: 0.019+/-0.000 χ^2/NDF : 656155.9/22

+ sign 0.022+/-0.000 χ^2/NDF : 11976566.5/59

All: 0.023+/-0.000 χ^2/NDF : 24434921.0/121

- sign 0.023+/-0.000 χ^2/NDF : 12440680.0/61

yield_bpm4aY_mean vs Slug



Right In: 0.576 $\pm$ 0.000 χ^2 /NDF: 5645263239.0/34

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.595 $\pm$ 0.000 χ^2 /NDF: 6690224868.7/38

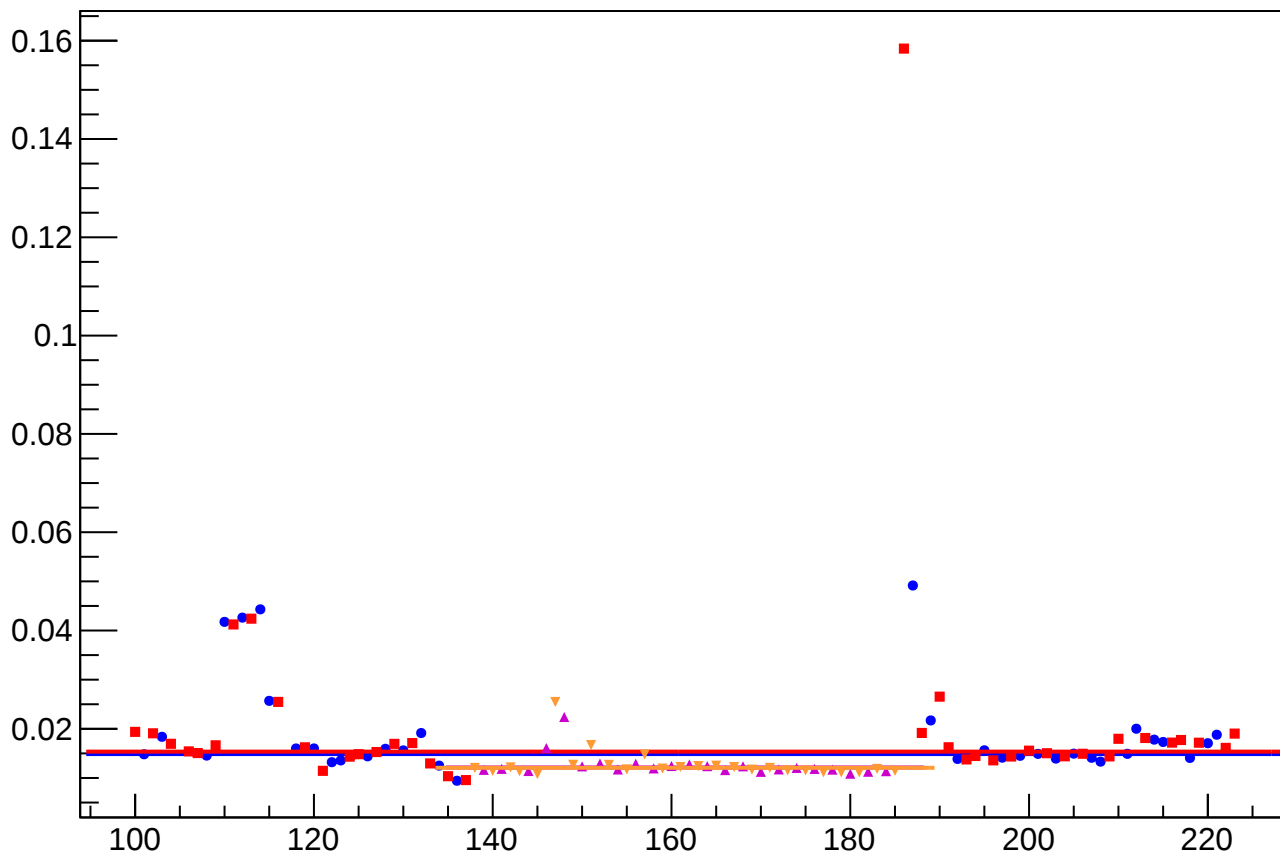
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.605 $\pm$ 0.000 χ^2 /NDF: 5762043103.2/59

All: 0.609 $\pm$ 0.000 χ^2 /NDF: 12500301087.5/1

- sign 0.613 $\pm$ 0.000 χ^2 /NDF: 6733021808.5/61

yield_bpm4aY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1964235.7/34

Left Out: 0.012+/-0.000 χ^2/NDF : 657433.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2255857.9/38

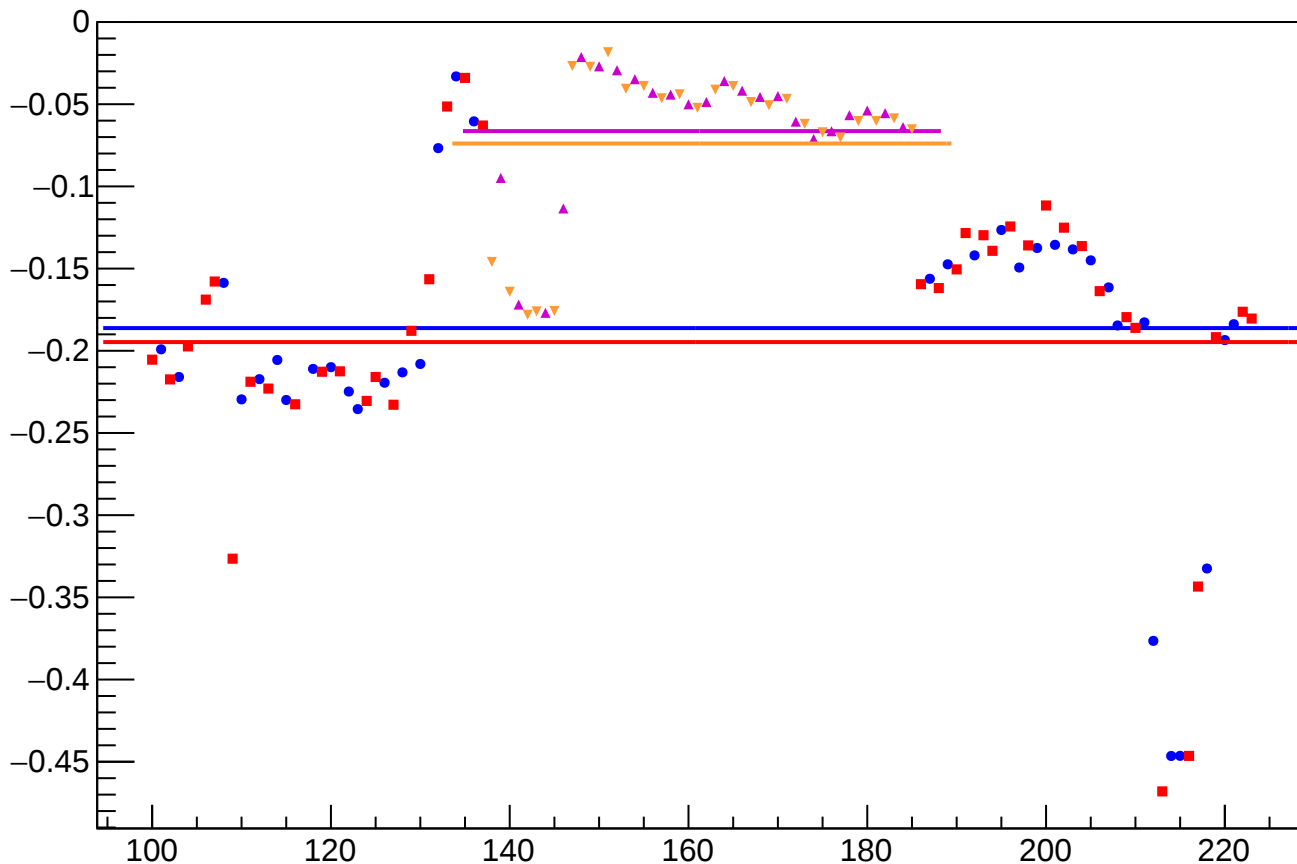
Left In: 0.012+/-0.000 χ^2/NDF : 488249.4/22

+ sign 0.013+/-0.000 χ^2/NDF : 3381840.1/59

All: 0.013+/-0.000 χ^2/NDF : 7109721.5/121

- sign 0.013+/-0.000 χ^2/NDF : 3714808.4/61

yield_bpm4eX_mean vs Slug



Right In: -0.186+/-0.000 χ^2/NDF : 127812870.4/34

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.195+/-0.000 χ^2/NDF : 134273798.4/38

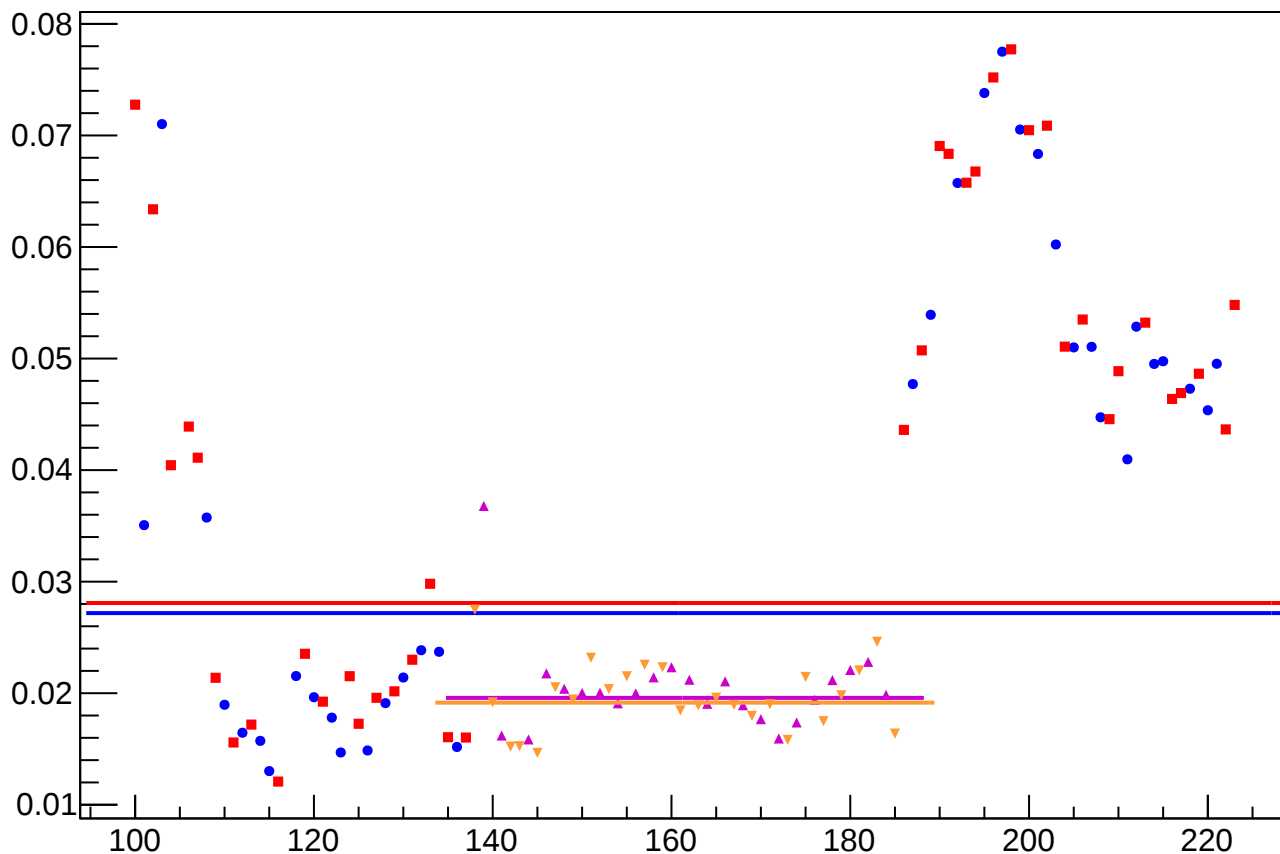
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.108+/-0.000 χ^2/NDF : 395618298.2/59

All: -0.108+/-0.000 χ^2/NDF : 805547732.2/12

- sign -0.108+/-0.000 χ^2/NDF : 409917514.9/61

yield_bpm4eX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9769801.9/34

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 641027.3/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9951545.2/38

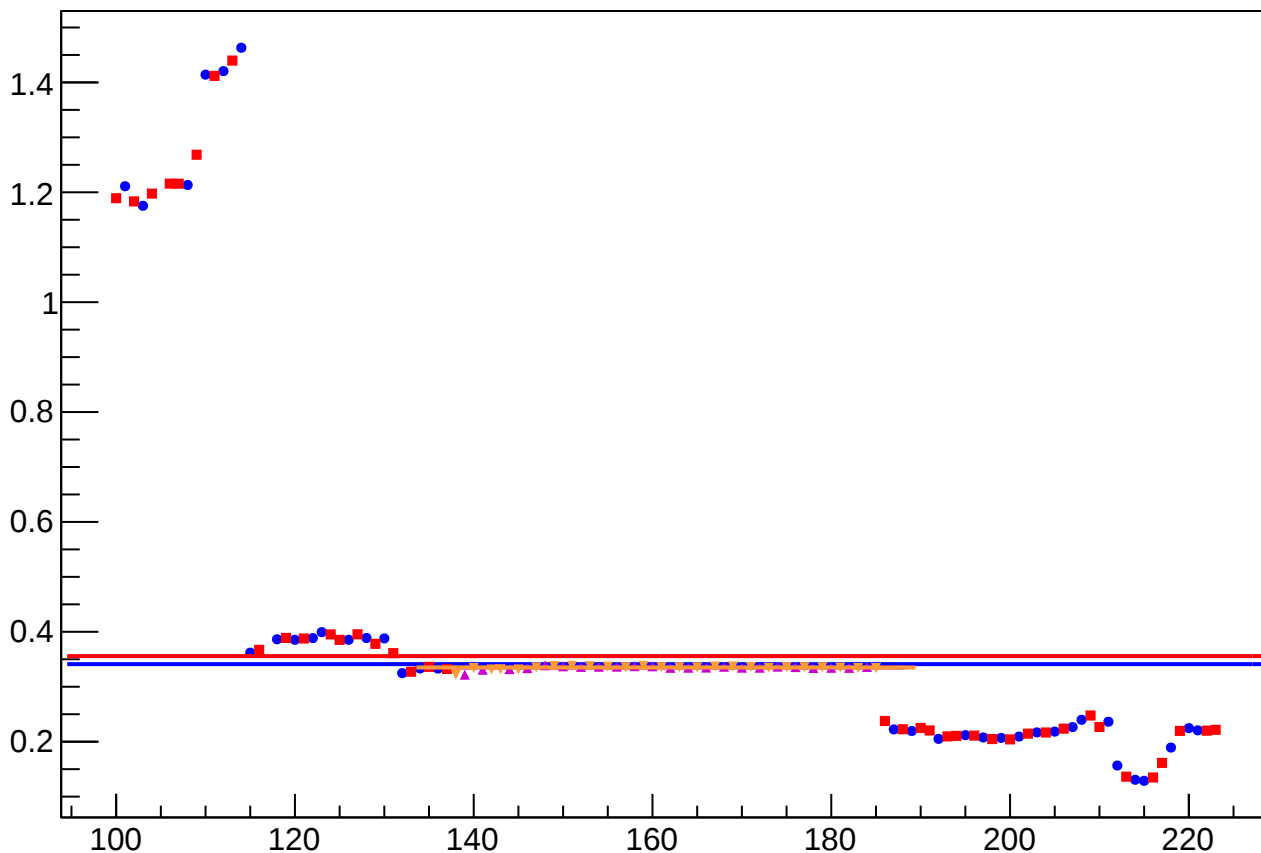
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 651328.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12045398.1/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 24428524.3/121

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12354723.8/61

yield_bpm4eY_mean vs Slug



Right In: 0.341 $\pm$ 0.000 χ^2 /NDF: 8135536260.8/34

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1153956.7/24

Right Out: 0.356 $\pm$ 0.000 χ^2 /NDF: 9221251192.0/38

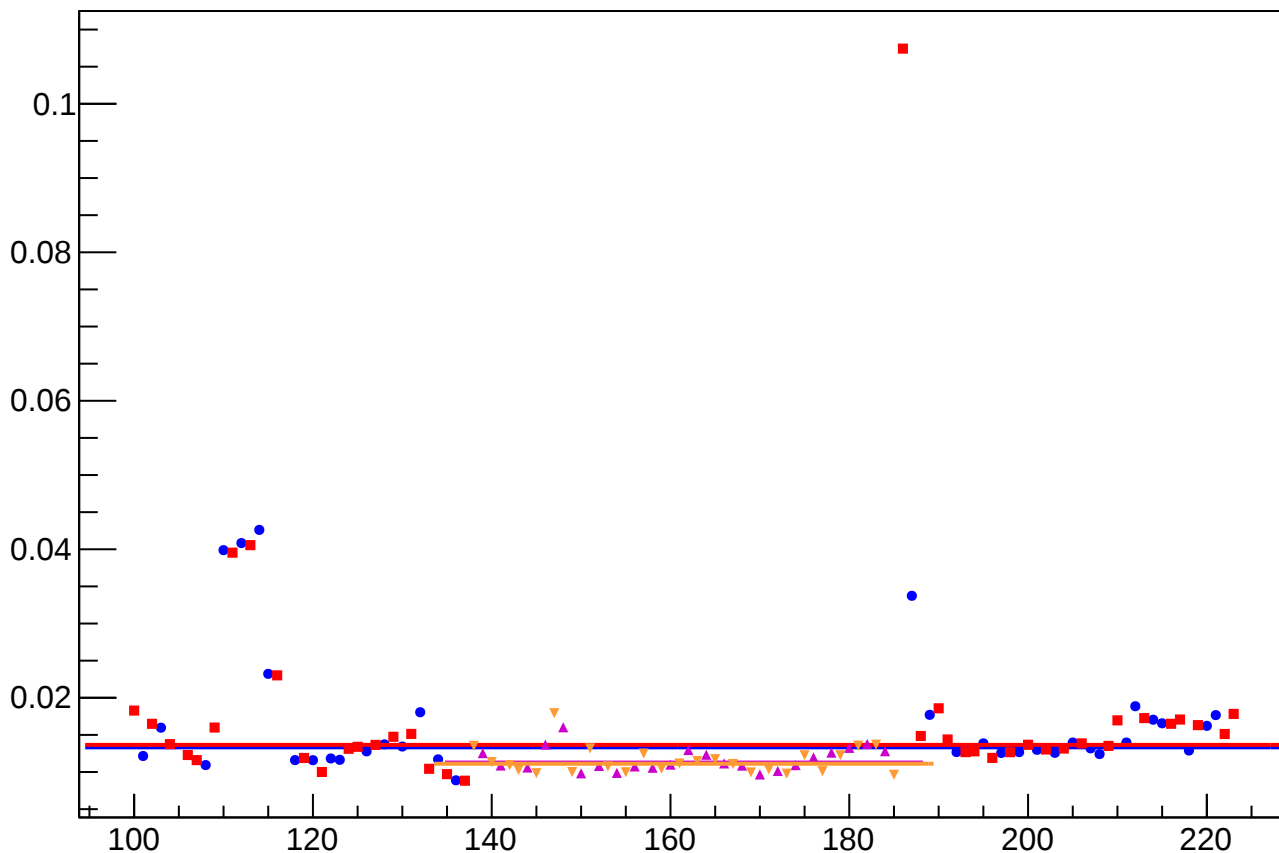
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1198302.8/22

+ sign 0.338 $\pm$ 0.000 χ^2 /NDF: 8138853076.1/59

All: 0.341 $\pm$ 0.000 χ^2 /NDF: 17390234460.2/1

- sign 0.344 $\pm$ 0.000 χ^2 /NDF: 9246667558.2/61

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 1998905.4/34

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 608235.7/24

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 2306509.8/38

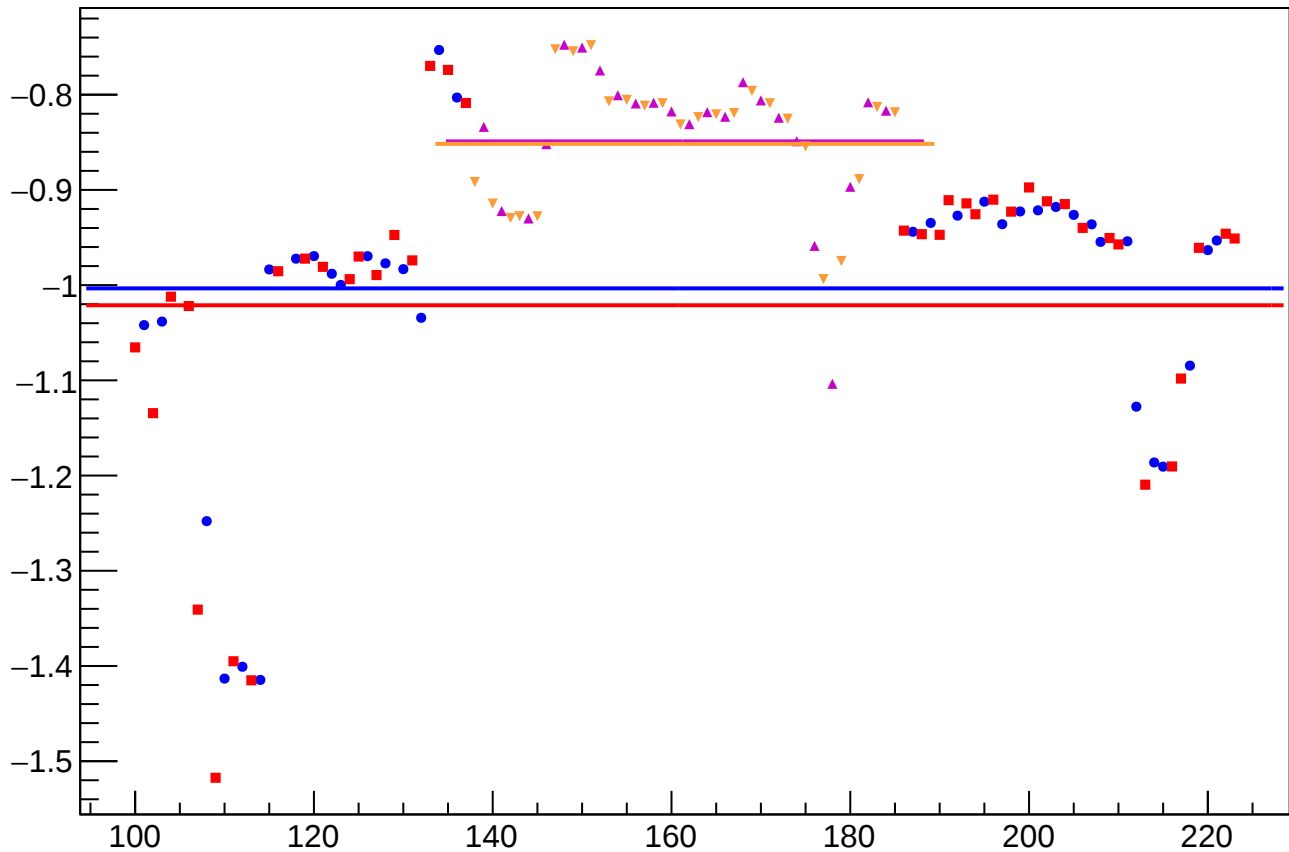
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 502226.7/22

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 3183166.6/59

All: 0.012 $\pm$ 0.000 χ^2/NDF : 6647261.3/121

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 3447664.3/61

yield_bpm4acX_mean vs Slug



Right In: -1.003 ± 0.000 $\chi^2/\text{NDF}: 430231686.2/34$

Left Out: -0.852 ± 0.000 $\chi^2/\text{NDF}: 189276591.7/24$

Right Out: -1.021 ± 0.000 $\chi^2/\text{NDF}: 581090074.7/38$

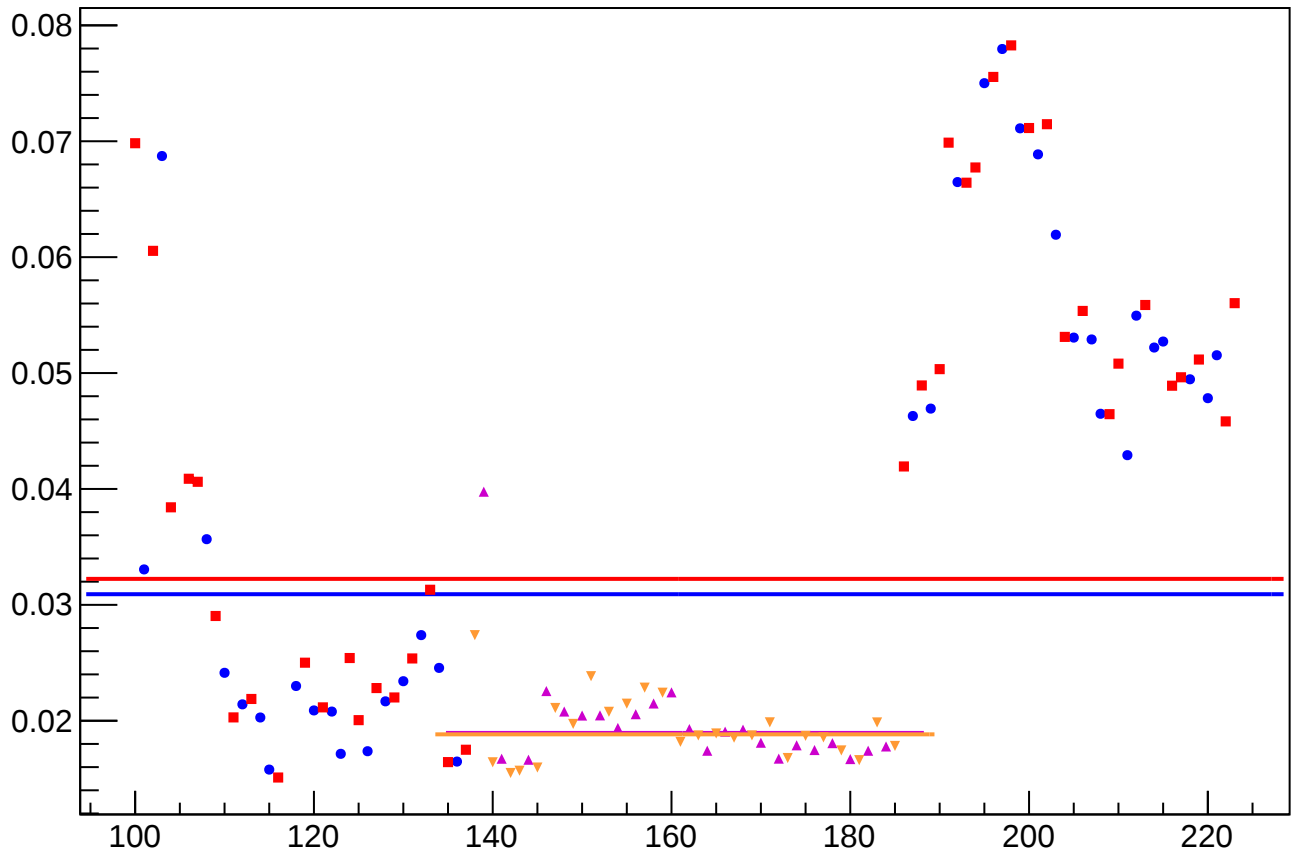
Left In: -0.849 ± 0.000 $\chi^2/\text{NDF}: 256438306.8/22$

+ sign -0.892 ± 0.000 $\chi^2/\text{NDF}: 873703837.8/59$

All: -0.893 ± 0.000 $\chi^2/\text{NDF}: 2024855575.0/1$

- sign -0.896 ± 0.000 $\chi^2/\text{NDF}: 1150715144.9/61$

yield_bpm4acX_rms vs Slug



Right In: 0.031 $\pm$ 0.000 χ^2 /NDF: 8212739.1/34

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490084.5/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 8002792.5/38

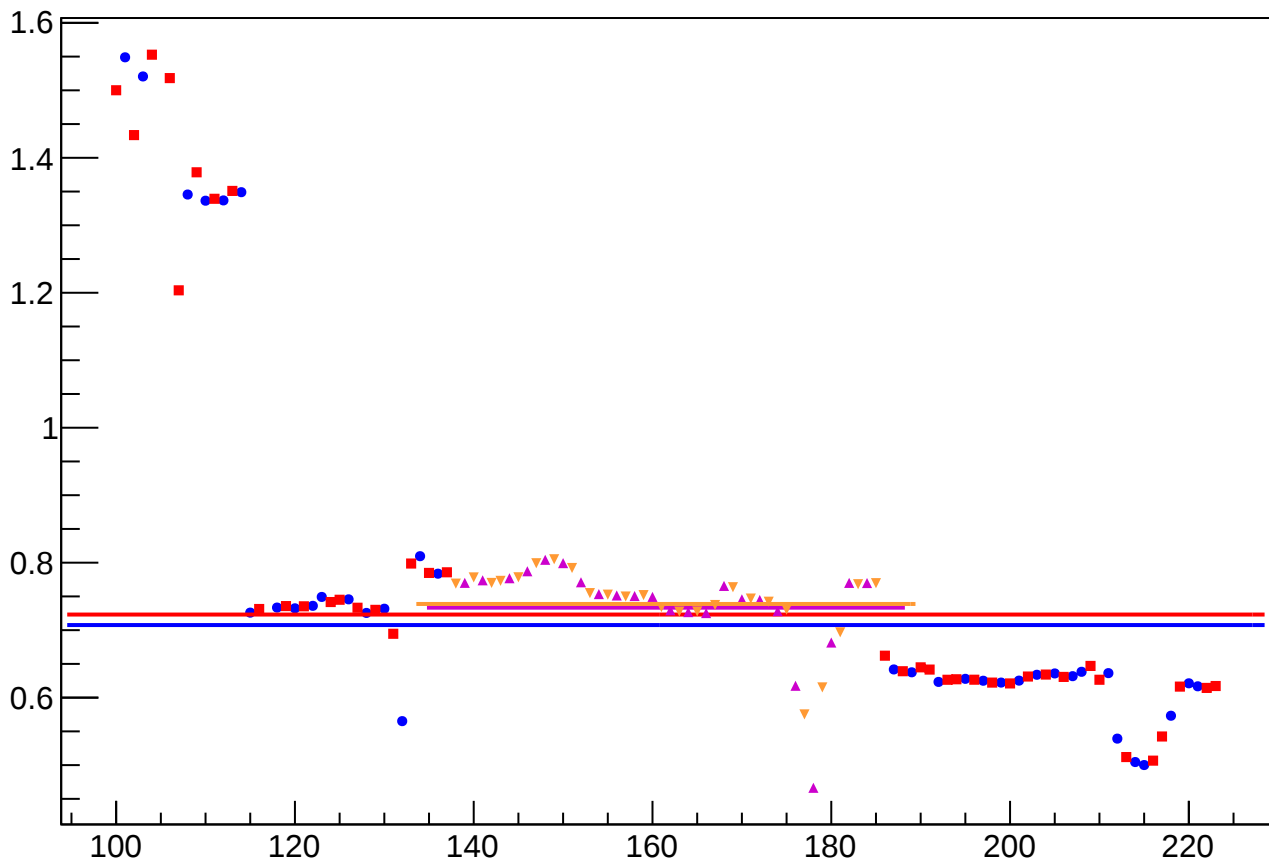
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 645048.1/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11928877.1/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 24328752.3/121

- sign 0.023 $\pm$ 0.000 χ^2 /NDF: 12384266.1/61

yield_bpm4acY_mean vs Slug



Right In: 0.708 $\pm$ 0.000 χ^2 /NDF: 3947496923.0/34

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333086309.0/24

Right Out: 0.723 $\pm$ 0.000 χ^2 /NDF: 4270781351.8/38

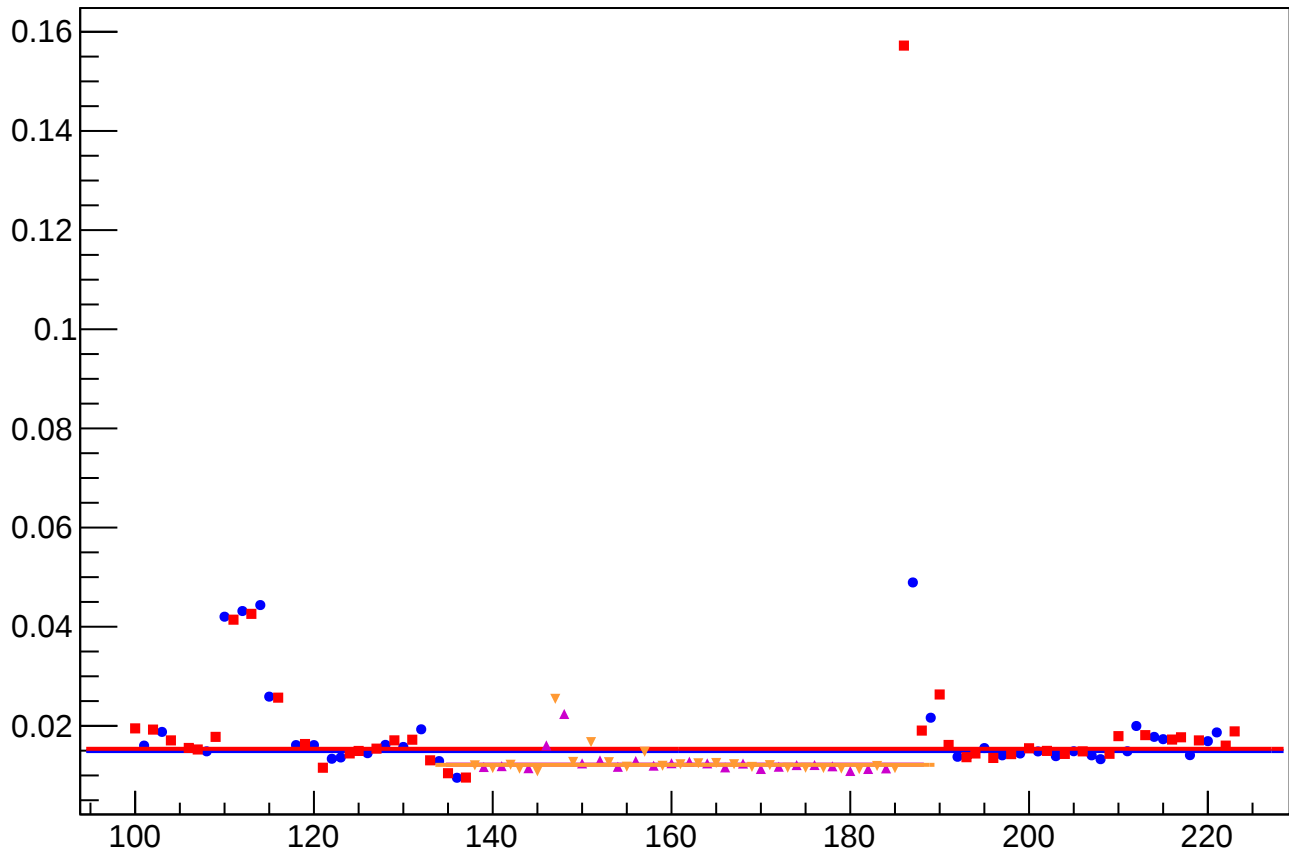
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

+ sign 0.726 $\pm$ 0.000 χ^2 /NDF: 4327750854.4/59

All: 0.728 $\pm$ 0.000 χ^2 /NDF: 9174468274.2/12

- sign 0.729 $\pm$ 0.000 χ^2 /NDF: 4845868435.6/61

yield_bpm4acY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1948338.1/34

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2252582.3/38

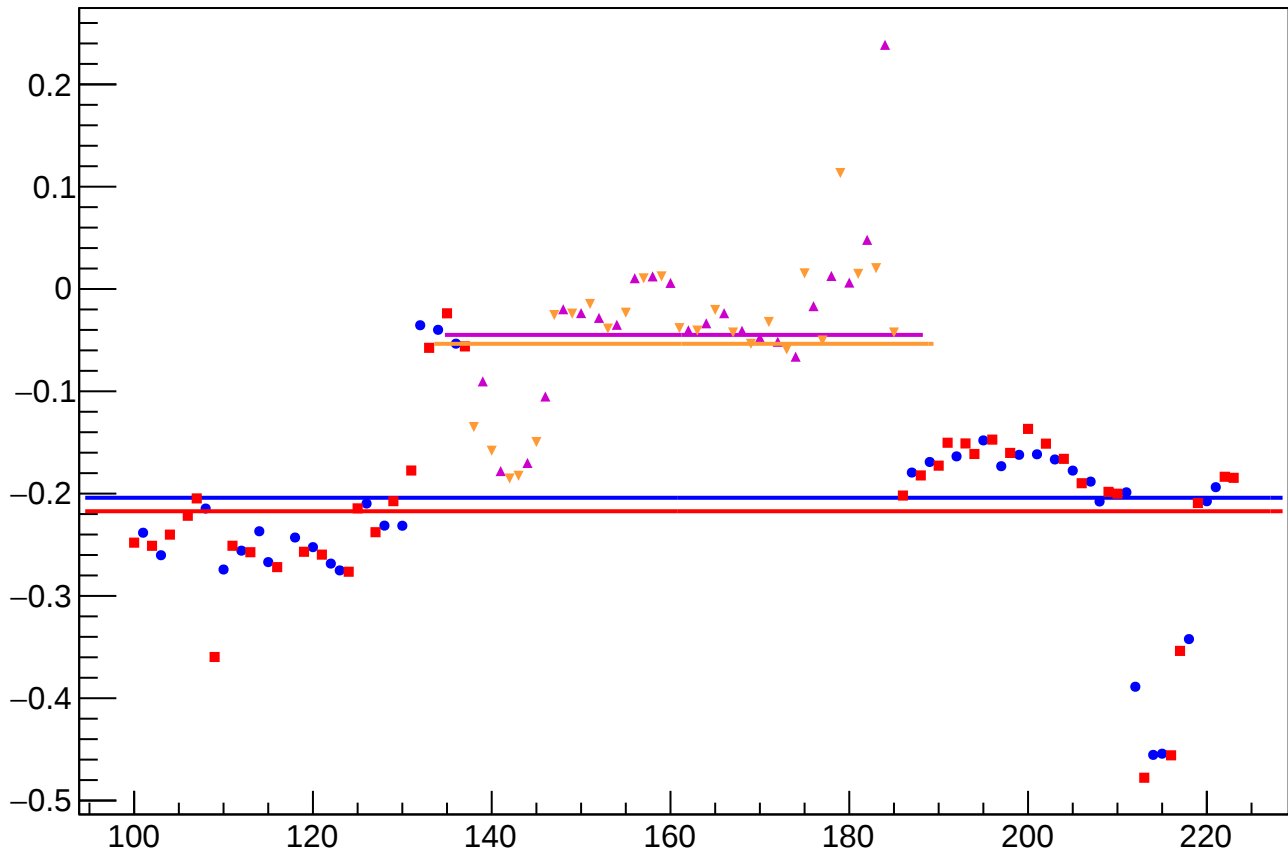
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3329467.6/59

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 7015268.2/121

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3674917.0/61

yield_bpm4ecX_mean vs Slug



Right In: -0.204+/-0.000 χ^2 /NDF: 160351143.0/34

Left Out: -0.054+/-0.000 χ^2 /NDF: 167879648.0/24

Right Out: -0.217+/-0.000 χ^2 /NDF: 156111875.0/38

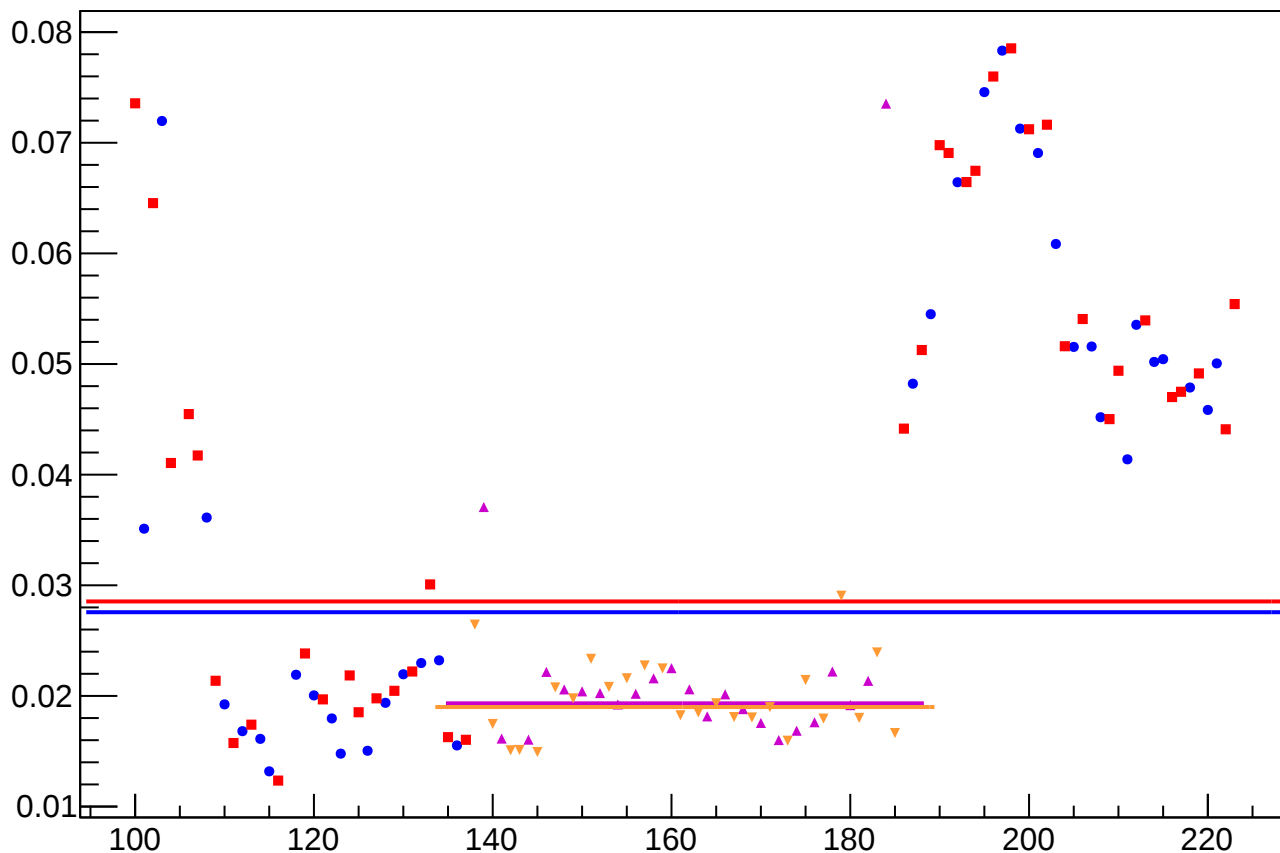
Left In: -0.045+/-0.000 χ^2 /NDF: 127324000.1/22

+ sign -0.100+/-0.000 χ^2 /NDF: 609080385.5/59

All: -0.100+/-0.000 χ^2 /NDF: 1244371628.0/1

- sign -0.100+/-0.000 χ^2 /NDF: 635291241.0/61

yield_bpm4ecX_rms vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 9701132.4/34

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:699267.5/24

Right Out: 0.029 $\pm$ 0.000 χ^2 /NDF: 9878739.9/38

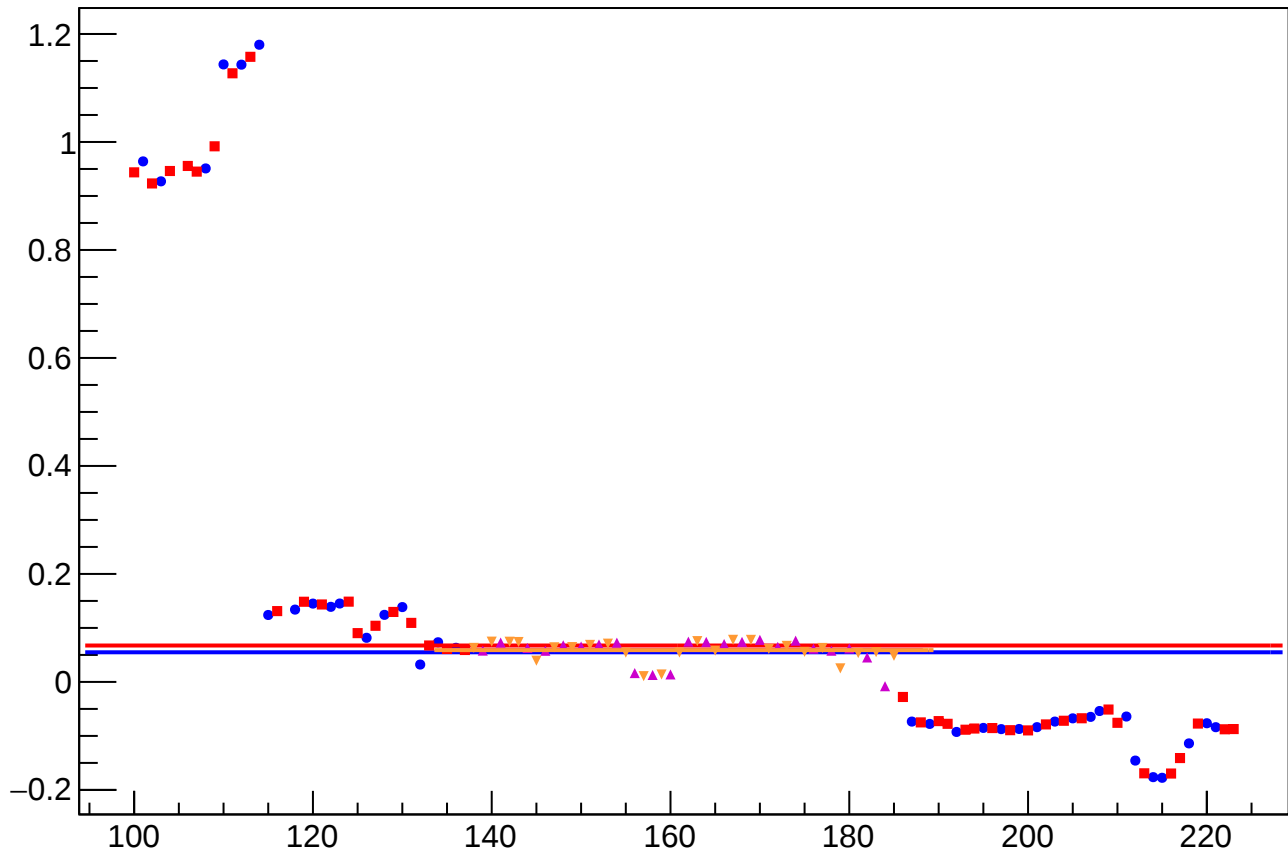
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:892810.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12222025.5/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 25025815.9/121

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12780820.3/61

yield_bpm4ecY_mean vs Slug



Right In: 0.055 $\pm$ 0.000 χ^2 /NDF: 8909469497.5/34

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:46902918.4/24

+ sign 0.057 $\pm$ 0.000 χ^2 /NDF: 8957342496.8/59

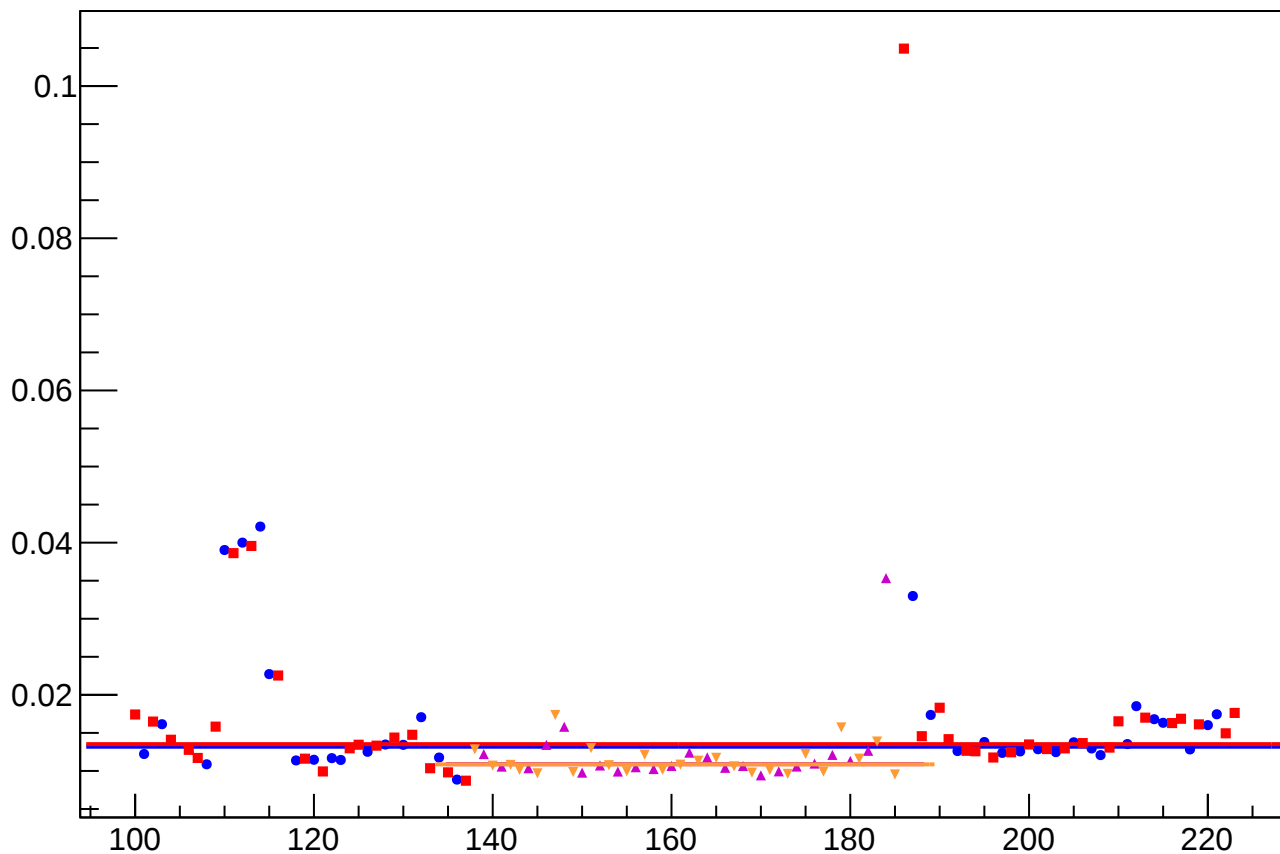
Right Out: 0.067 $\pm$ 0.000 χ^2 /NDF: 9835701025.8/38

All: 0.060 $\pm$ 0.000 χ^2 /NDF: 18859266277.8/1

Left In: 0.059 $\pm$ 0.000 χ^2 /NDF:58640898.5/22

- sign 0.063 $\pm$ 0.000 χ^2 /NDF: 9898293673.0/61

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1949543.3/34

Left Out: 0.011+/-0.000 χ^2/NDF : 605519.3/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2246319.4/38

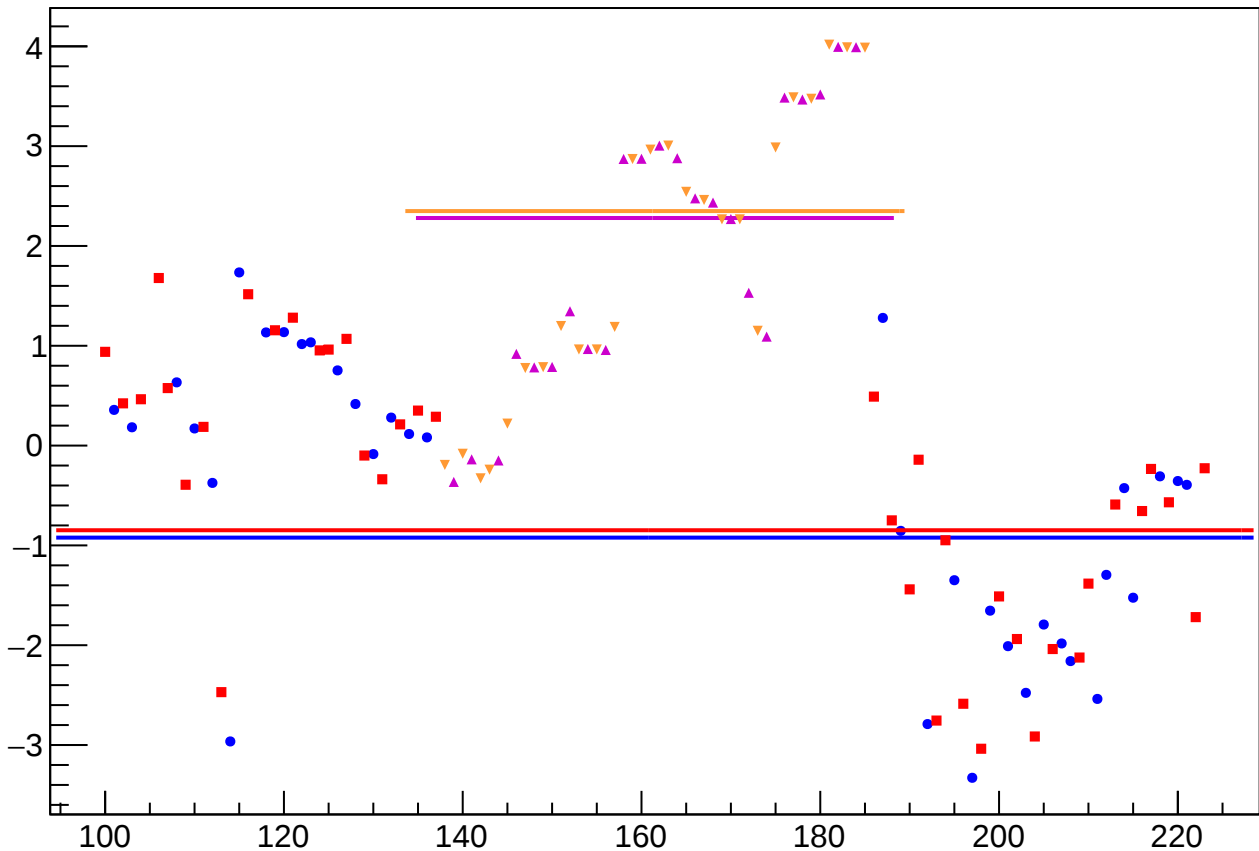
Left In: 0.011+/-0.000 χ^2/NDF : 529867.3/22

+ sign 0.012+/-0.000 χ^2/NDF : 3203098.8/59

All: 0.012+/-0.000 χ^2/NDF : 6790398.4/121

- sign 0.012+/-0.000 χ^2/NDF : 3579866.9/61

yield_bpm1X_mean vs Slug



Right In: -0.922 ± 0.000 χ^2/NDF : 8221794277.6/34

Left Out: 2.349 ± 0.000 χ^2/NDF : 63600066268.3/24

Right Out: -0.848 ± 0.000 χ^2/NDF : 8611297525.2/38

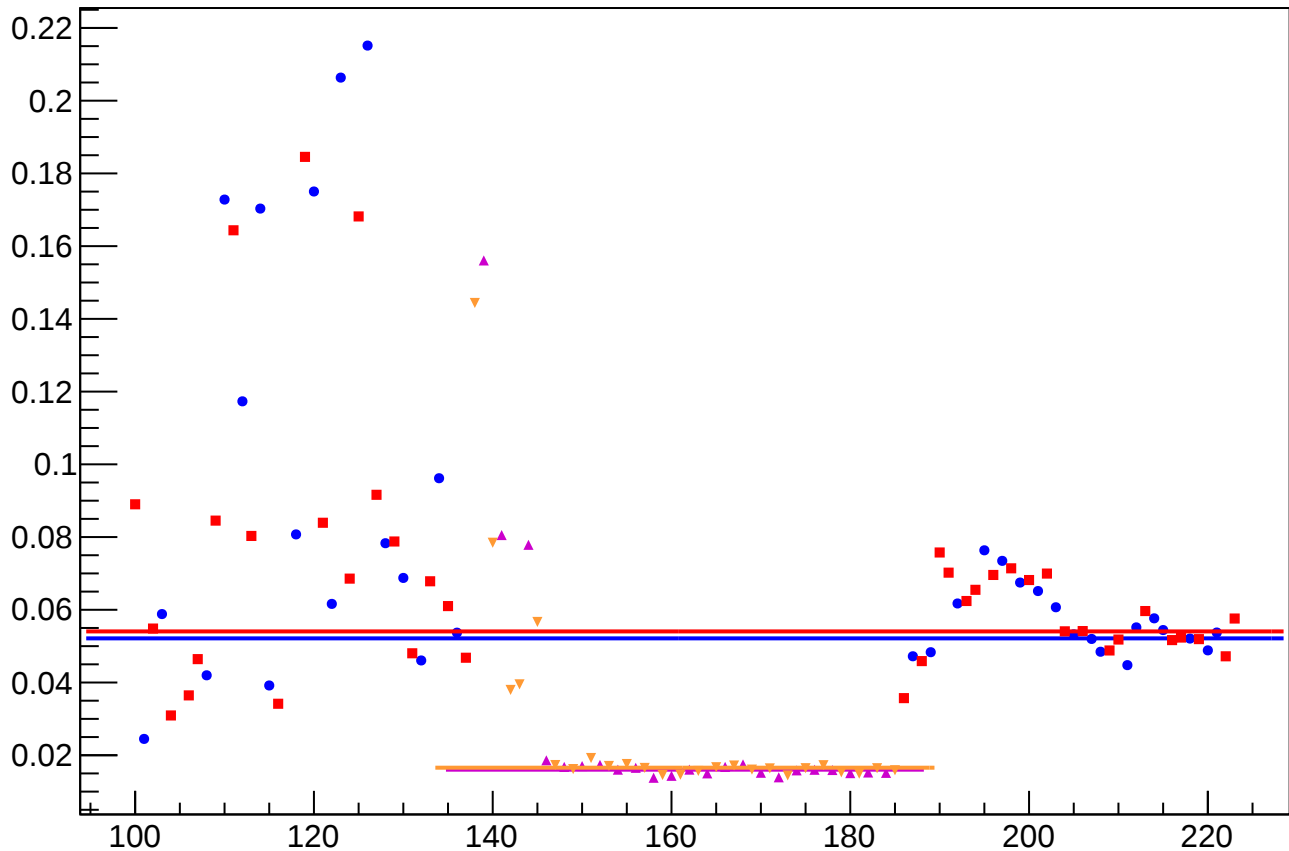
Left In: 2.280 ± 0.000 χ^2/NDF : 61444254541.3/22

+ sign 2.016 ± 0.000 χ^2/NDF : 127516651555.1/59

All: 1.994 ± 0.000 χ^2/NDF : 247826558161.9

- sign 1.973 ± 0.000 χ^2/NDF : 120255084447.8/61

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3534701.7/34

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 2922068.0/38

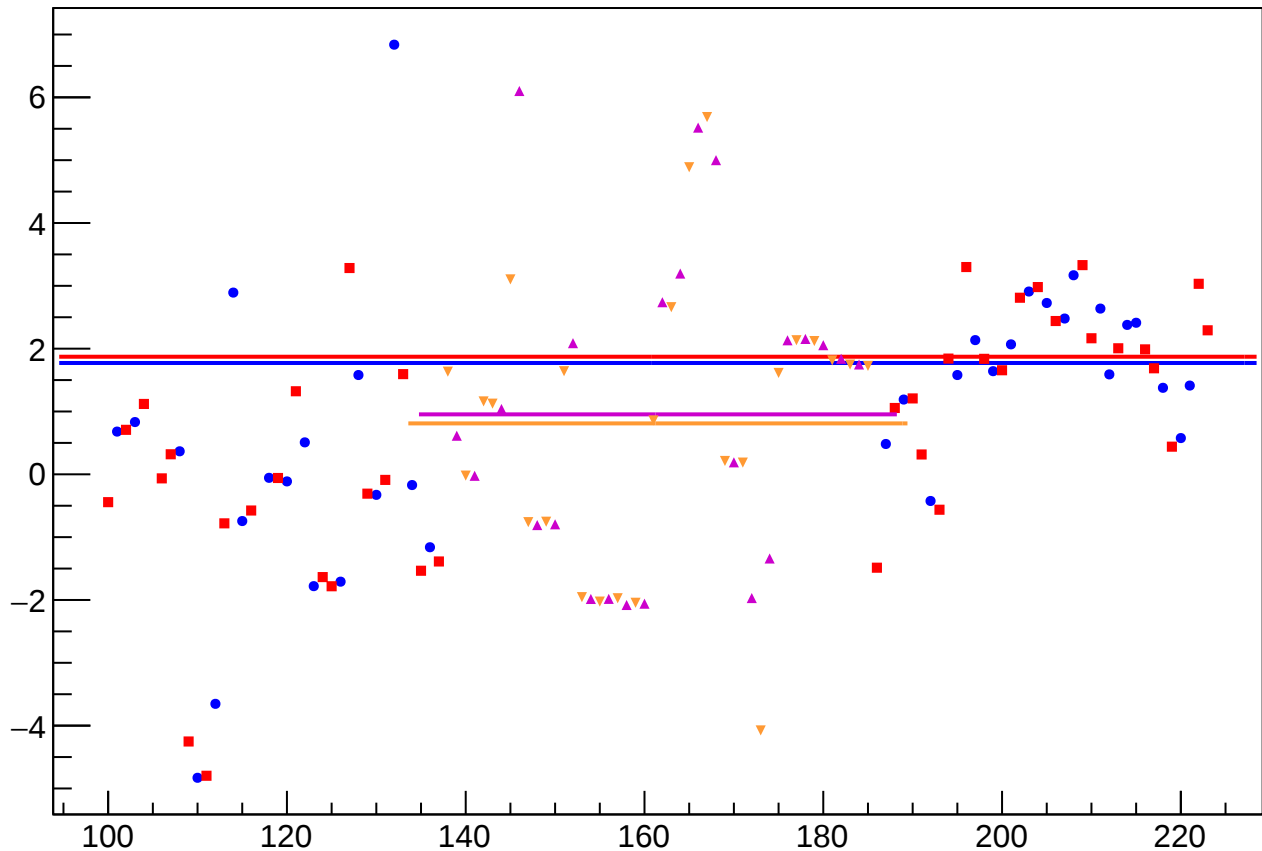
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 19321514.5/59

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 39549834.3/121

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 20217702.7/61

yield_bpm1Y_mean vs Slug



Right In: 1.772 $\pm$ 0.000 χ^2 /NDF: 44246105771.5/34

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 1.872 $\pm$ 0.000 χ^2 /NDF: 47789358526.9/38

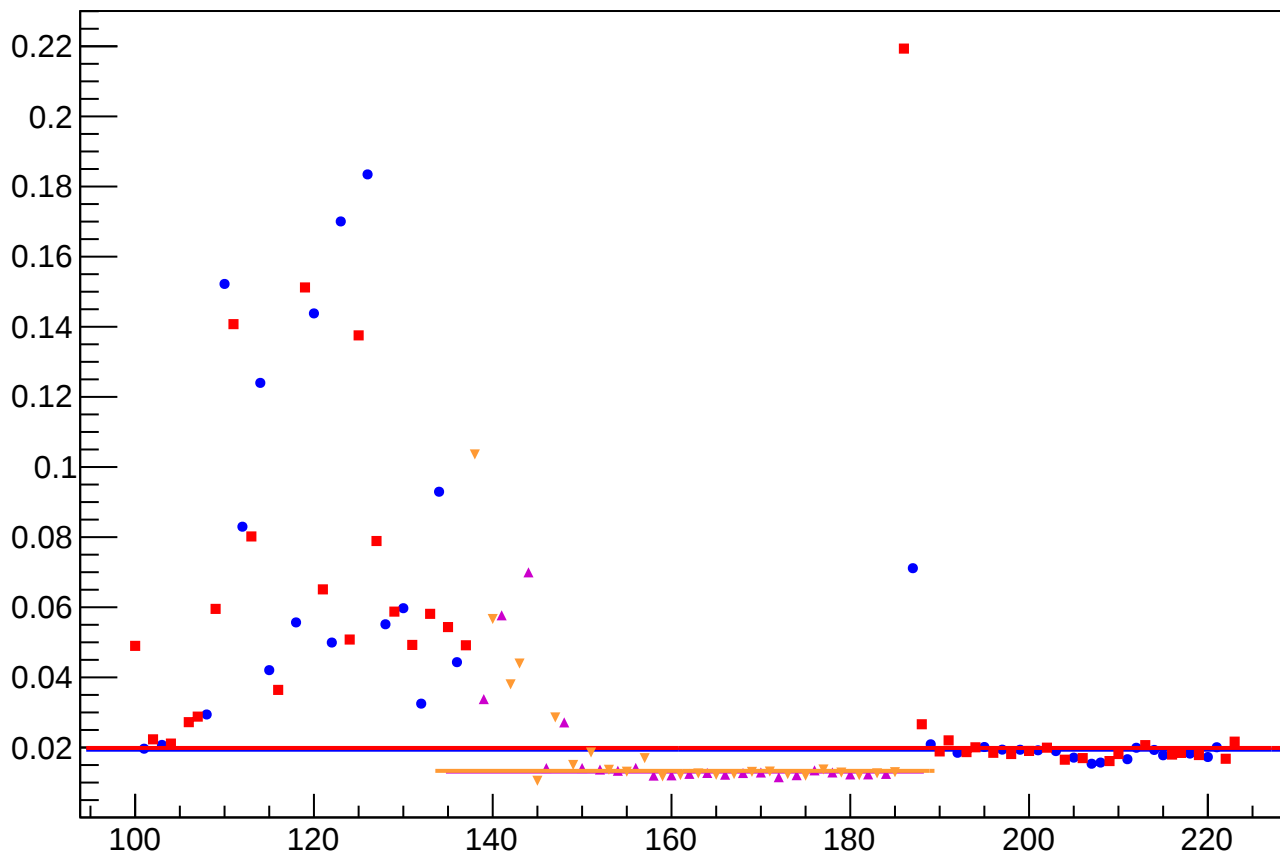
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 1.108 $\pm$ 0.000 χ^2 /NDF: 576198393237.0/59

All: 1.170 $\pm$ 0.000 χ^2 /NDF: 1221497703398.

- sign 1.231 $\pm$ 0.000 χ^2 /NDF: 644362867903.4/61

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 4157248.7/34

Left Out: 0.013+/-0.000 χ^2/NDF : 2829070.5/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5283403.9/38

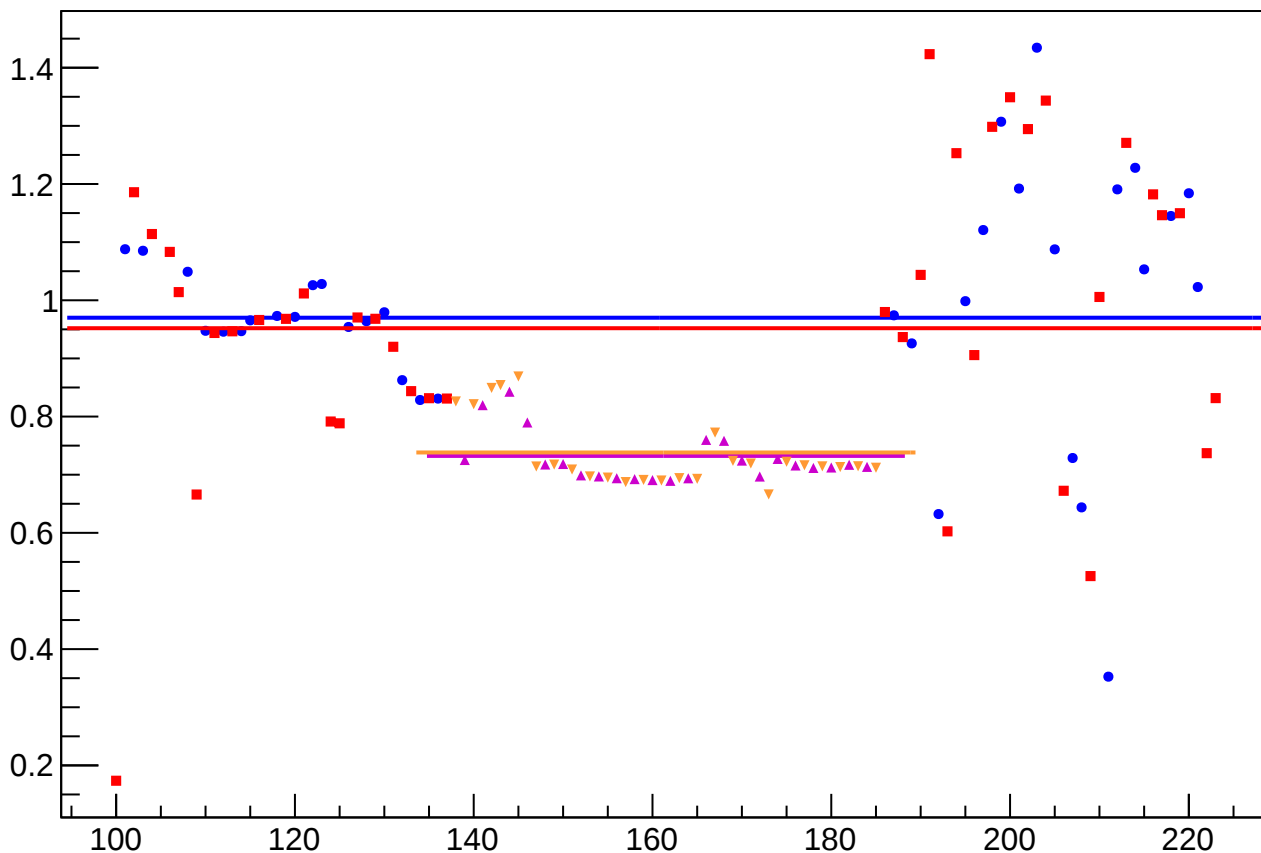
Left In: 0.013+/-0.000 χ^2/NDF : 1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8902875.3/59

All: 0.015+/-0.000 χ^2/NDF : 18505446.9/121

- sign 0.015+/-0.000 χ^2/NDF : 9602408.6/61

yield_bpm11X_mean vs Slug



Right In: 0.970 $\pm$ 0.000 χ^2 /NDF: 1087302469.8/34

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310610047.7/24

Right Out: 0.952 $\pm$ 0.000 χ^2 /NDF: 1405531305.3/38

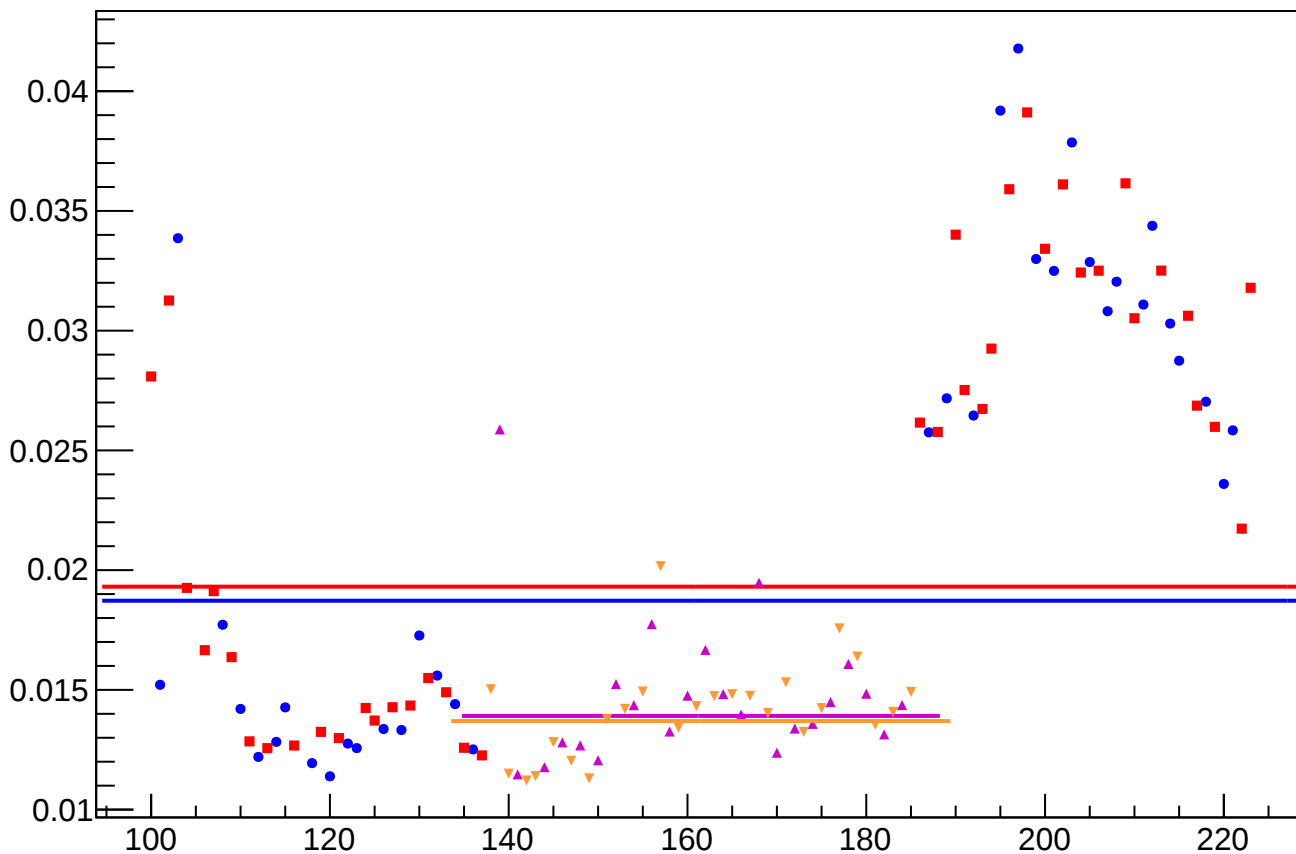
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF:170806298.1/22

+ sign 0.816 $\pm$ 0.000 χ^2 /NDF: 2958615113.6/59

All: 0.813 $\pm$ 0.000 χ^2 /NDF: 5903898177.3/12

- sign 0.810 $\pm$ 0.000 χ^2 /NDF: 2942709583.5/61

yield_bpm11X_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 5936251.6/34

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:530851.9/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 5353418.6/38

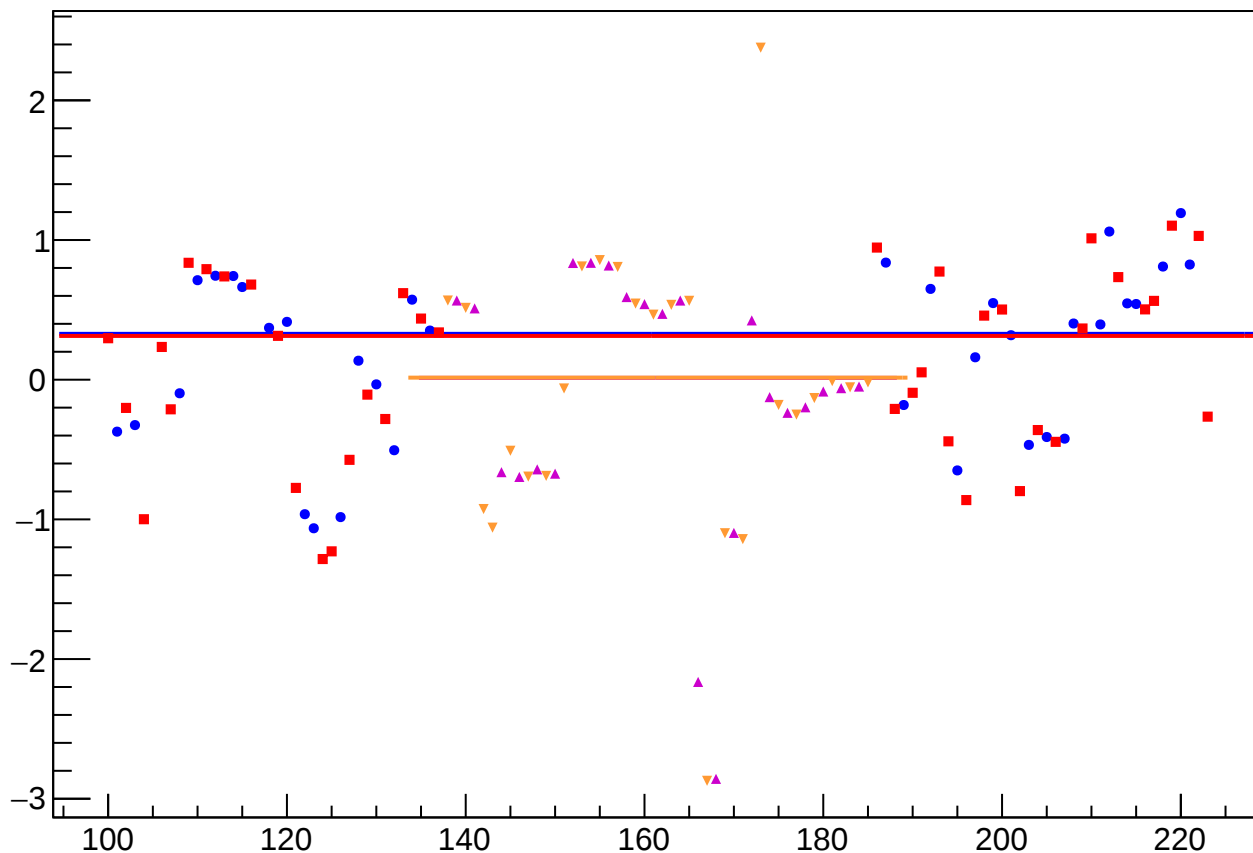
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794558.0/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 7934431.1/59

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 15755676.6/121

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 7797916.3/61

yield_bpm11Y_mean vs Slug



Right In: 0.328 $\pm$ 0.000 χ^2 /NDF: 46664370908.3/34

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 96087835995.8/24

Right Out: 0.313 $\pm$ 0.000 χ^2 /NDF: 56070676192.7/38

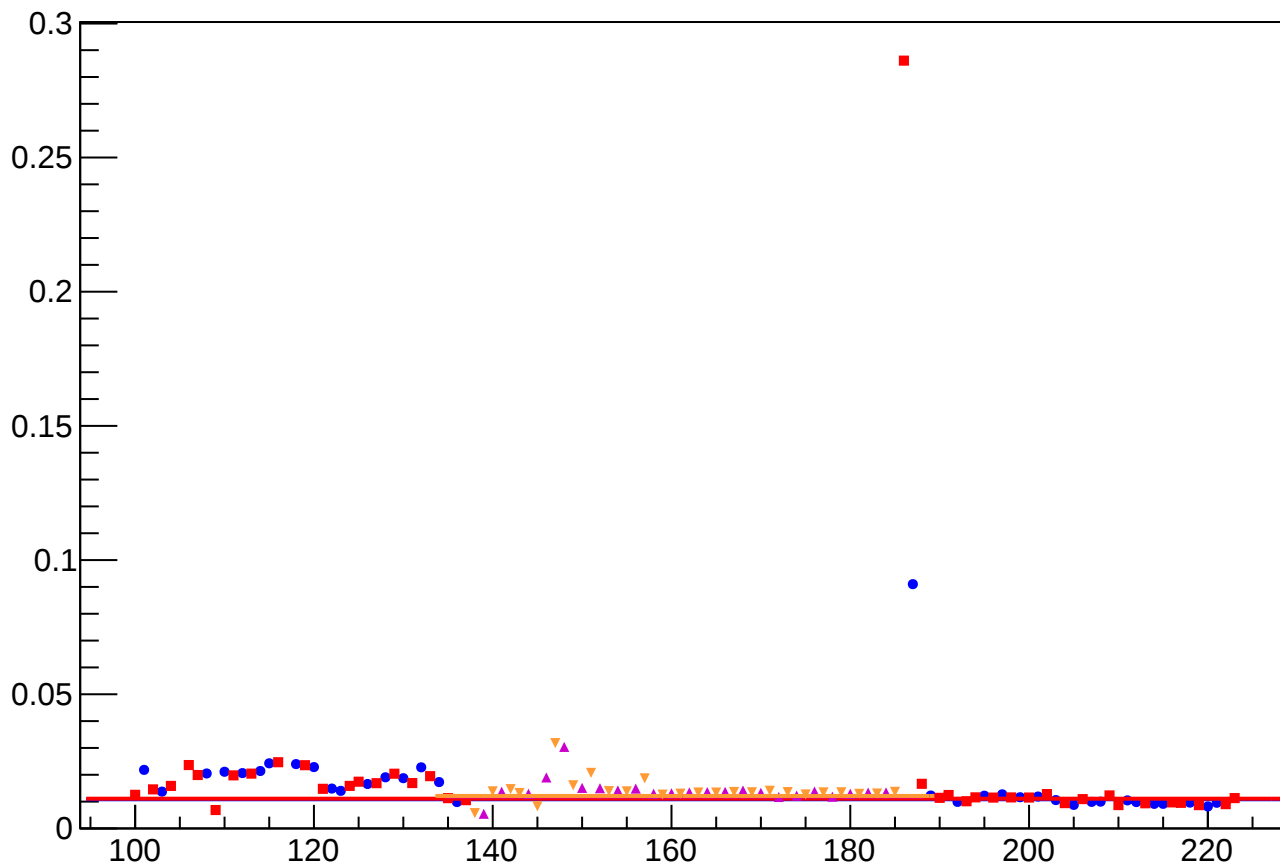
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

+ sign 0.191 $\pm$ 0.000 χ^2 /NDF: 148802490680.3/59

All: 0.187 $\pm$ 0.000 χ^2 /NDF: 289754415765.0

- sign 0.183 $\pm$ 0.000 χ^2 /NDF: 140943376648.9/61

yield_bpm11Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2850140.7/34

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 3310624.2/38

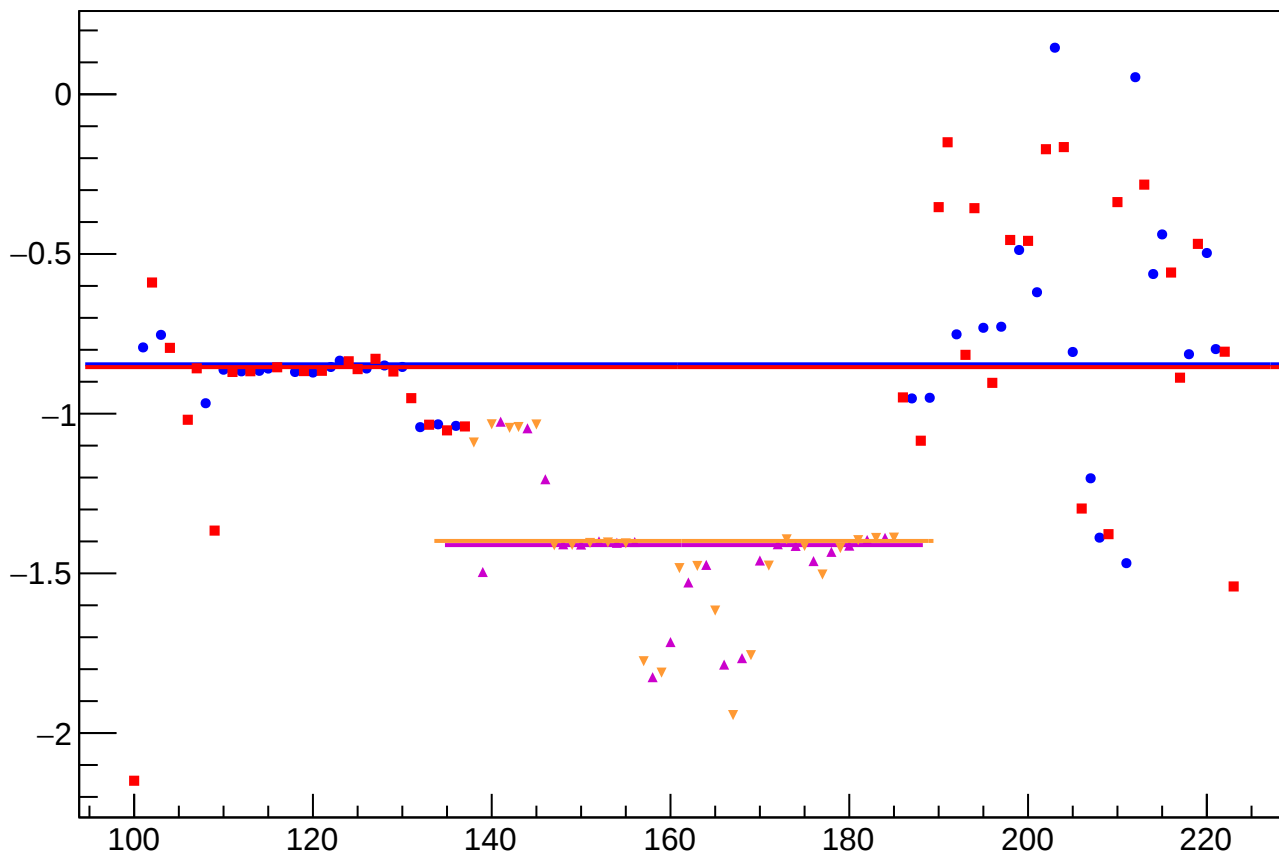
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 6145756.5/59

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 12646616.2/121

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 6500558.4/61

yield_bpm12X_mean vs Slug



Right In: -0.845 ± 0.000 χ^2/NDF : 398159152.7/34

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.854 ± 0.000 χ^2/NDF : 539359896.5/38

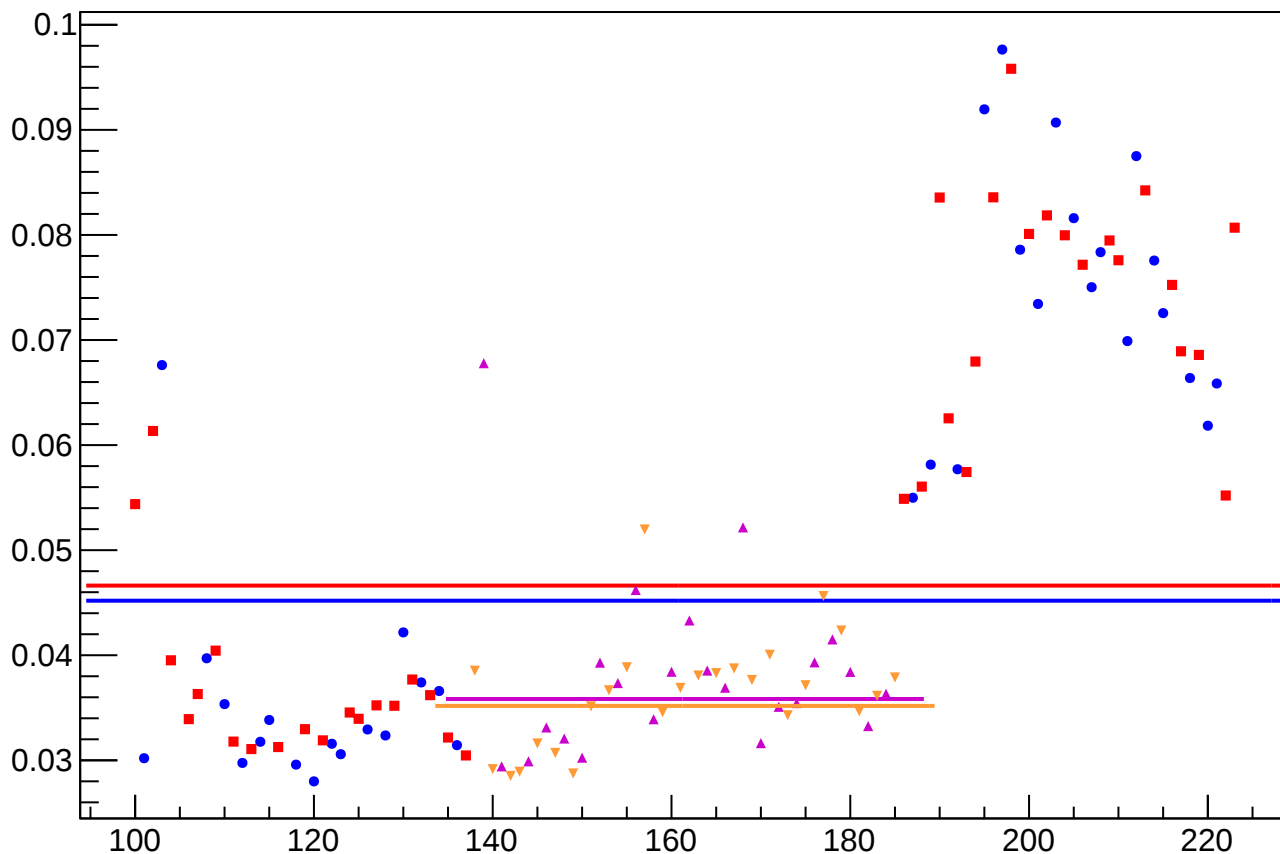
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.194 ± 0.000 χ^2/NDF : 2600954973.9/59

All: -1.195 ± 0.000 χ^2/NDF : 5096024220.5/1

- sign -1.195 ± 0.000 χ^2/NDF : 2495052734.0/61

yield_bpm12X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 5848702.4/34

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 5061798.9/38

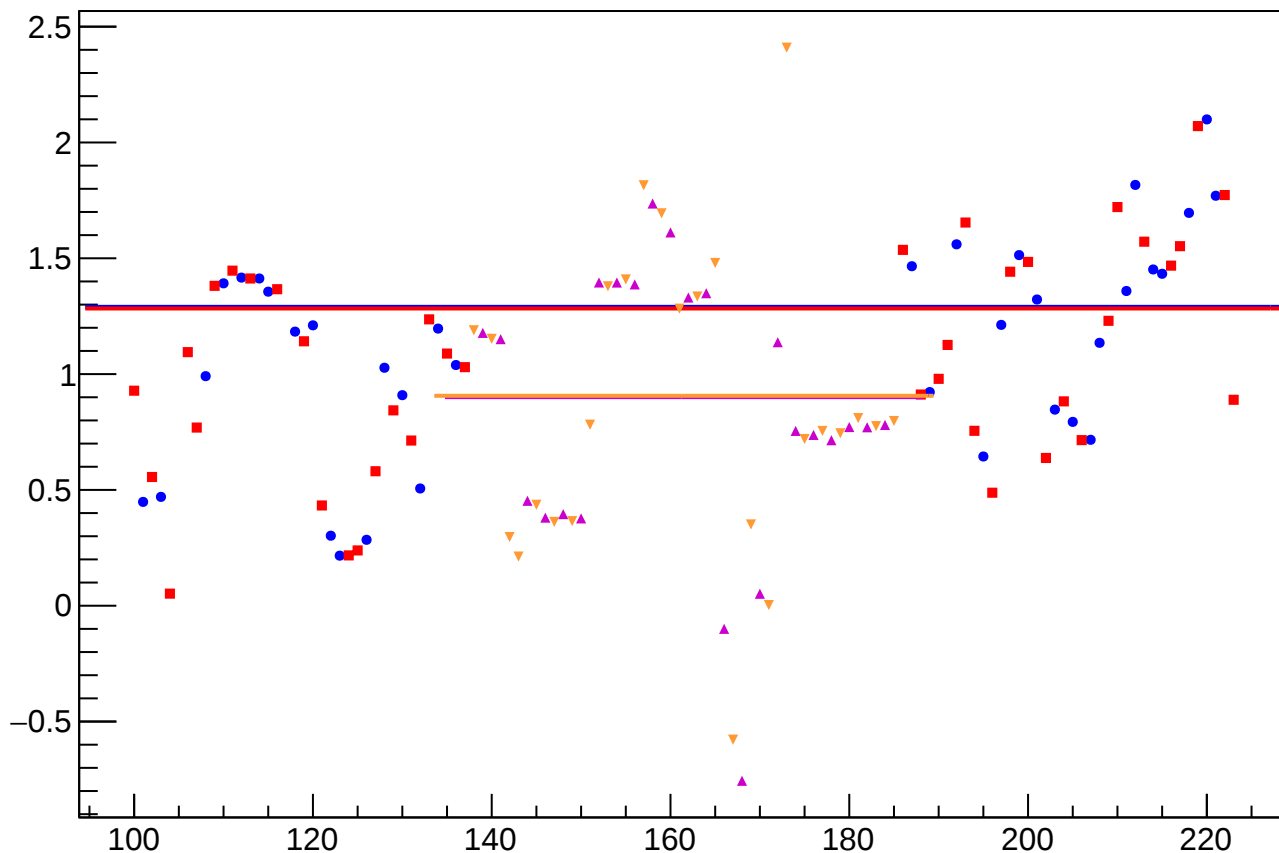
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.039 $\pm$ 0.000 χ^2 /NDF: 7408761.3/59

All: 0.039 $\pm$ 0.000 χ^2 /NDF: 14470362.1/121

- sign 0.040 $\pm$ 0.000 χ^2 /NDF: 7035362.0/61

yield_bpm12Y_mean vs Slug



Right In: 1.290 $\pm$ 0.000 χ^2 /NDF: 80761472844.6/34

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 1.283 $\pm$ 0.000 χ^2 /NDF: 78804789441.0/38

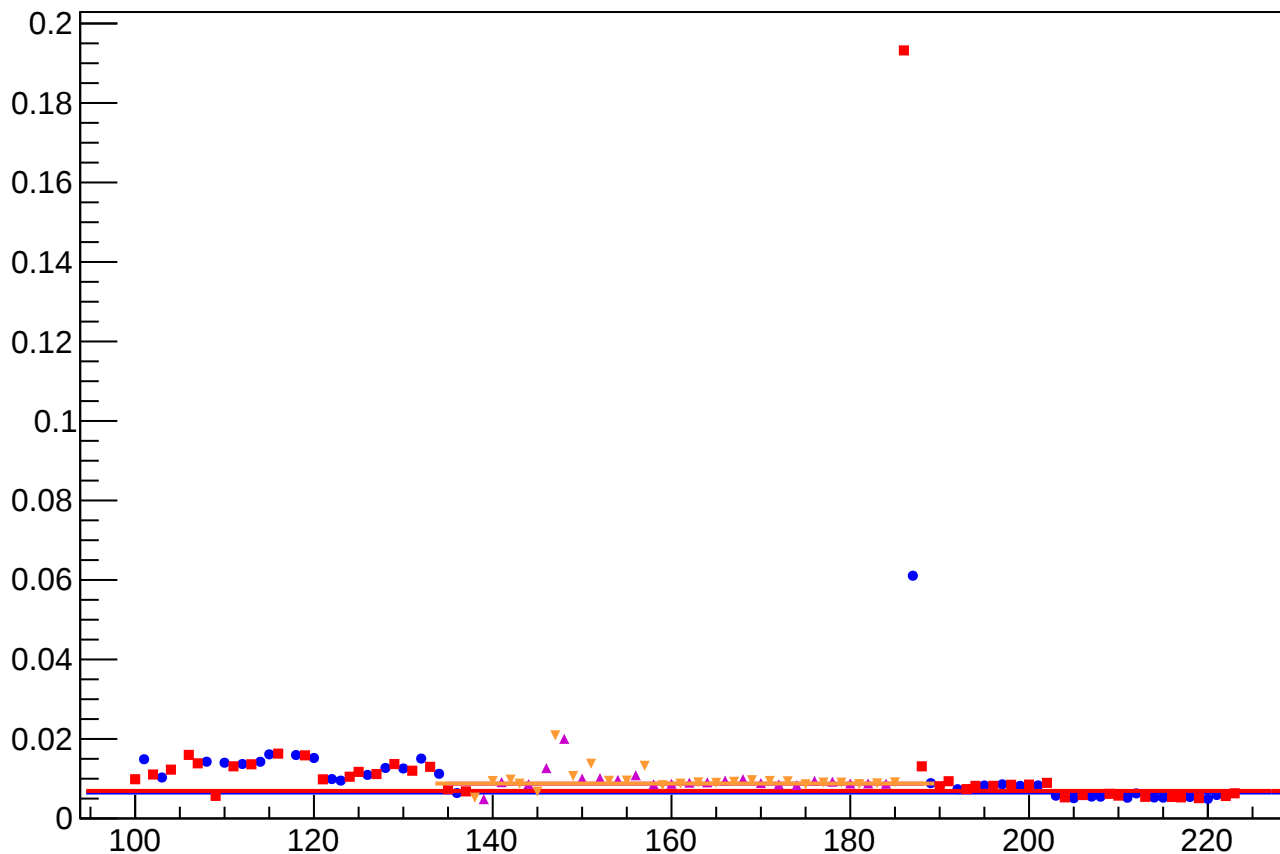
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 1.152 $\pm$ 0.000 χ^2 /NDF: 185523141300.5/59

All: 1.147 $\pm$ 0.000 χ^2 /NDF: 350432202140.7

- sign 1.141 $\pm$ 0.000 χ^2 /NDF: 164874914455.5/61

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 4003925.6/34

Left Out: 0.009+/-0.000 χ^2/NDF : 1698526.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4419434.0/38

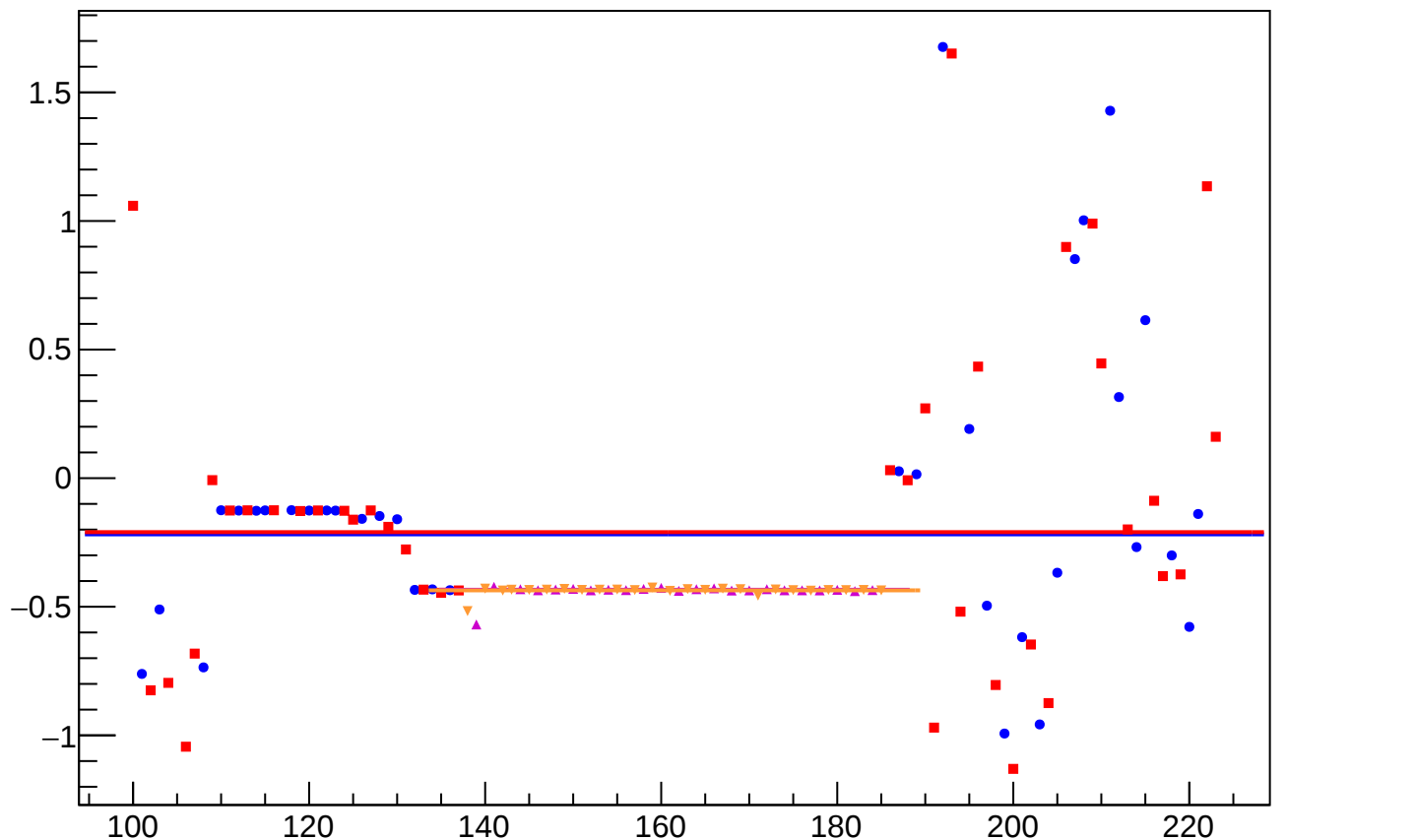
Left In: 0.009+/-0.000 χ^2/NDF : 1669983.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 7137660.1/59

All: 0.007+/-0.000 χ^2/NDF : 14121172.1/121

- sign 0.008+/-0.000 χ^2/NDF : 6943110.7/61

yield_bpm16X_mean vs Slug



Right In: -0.218 ± 0.000 χ^2/NDF : 5049930763.5/34

Left Out: -0.436 ± 0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.210 ± 0.000 χ^2/NDF : 4380148681.8/38

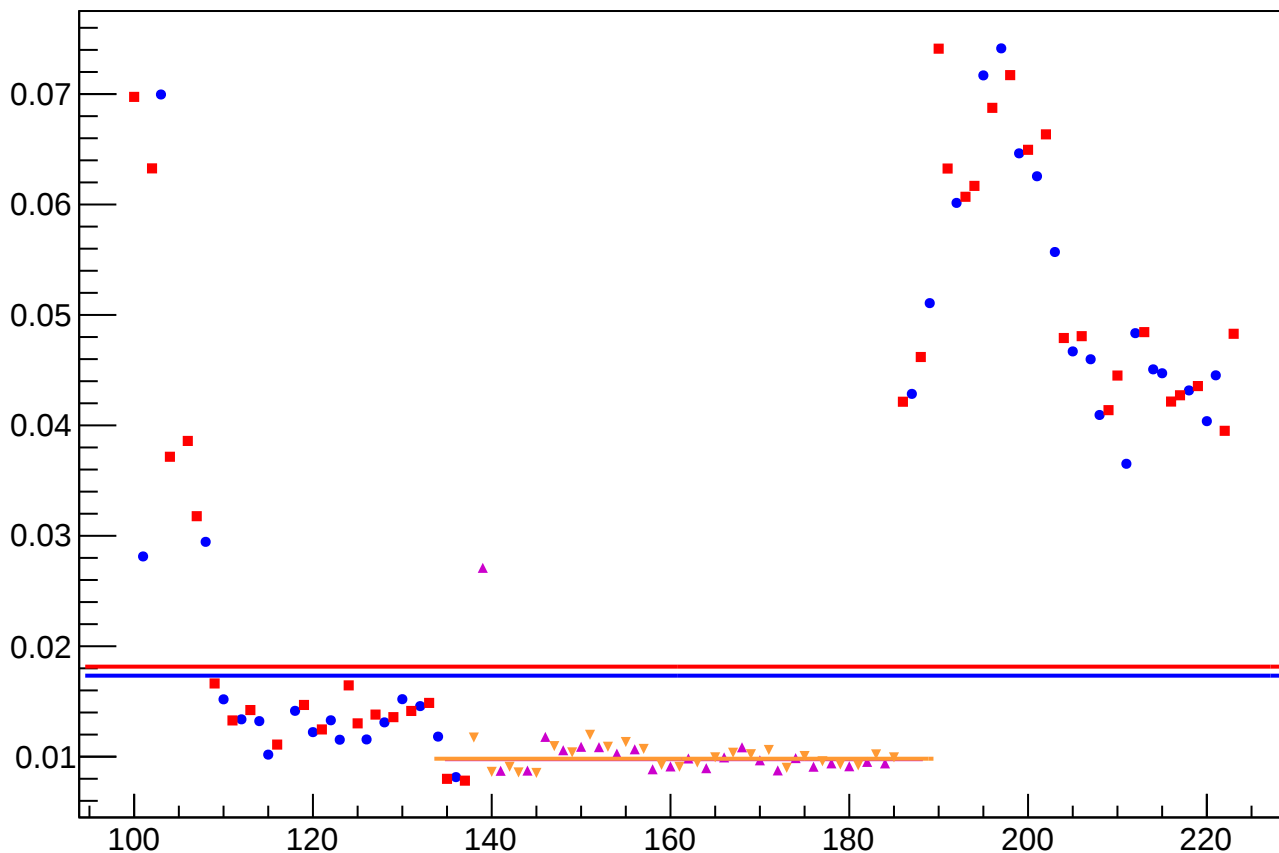
Left In: -0.434 ± 0.000 χ^2/NDF : 20164730.3/22

+ sign -0.396 ± 0.000 χ^2/NDF : 6505060218.4/59

All: -0.394 ± 0.000 χ^2/NDF : 12338617923.9/117

- sign -0.392 ± 0.000 χ^2/NDF : 5832313497.5/61

yield_bpm16X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2/NDF : 14318304.2/34

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 271172.3/24

Right Out: 0.018 $\pm$ 0.000 χ^2/NDF : 14546292.5/38

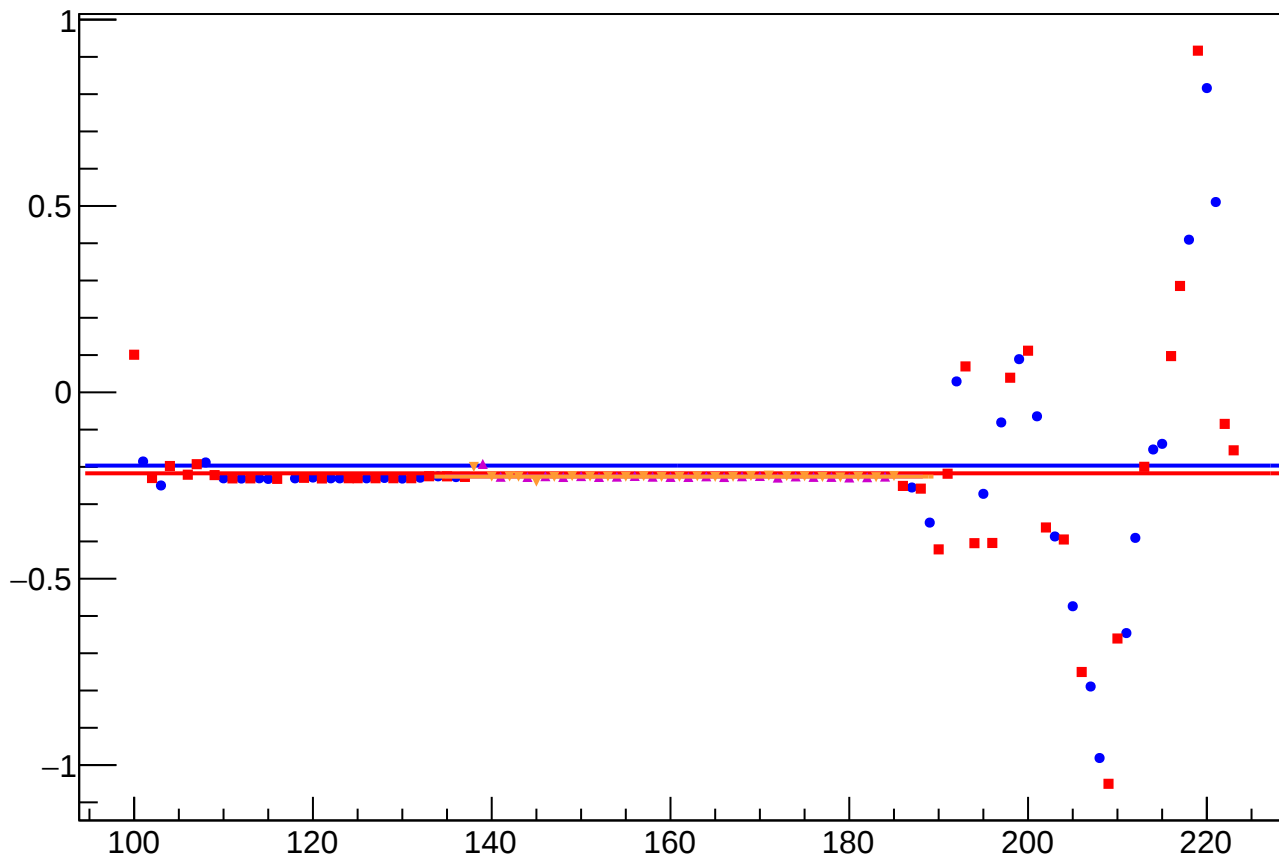
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 786577.8/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 17990850.1/59

All: 0.011 $\pm$ 0.000 χ^2/NDF : 37331881.5/121

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 19338017.9/61

yield_bpm16Y_mean vs Slug



Right In: -0.197 ± 0.000 $\chi^2/\text{NDF}: 53949360474.5/34$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21207366.3/24$

Right Out: -0.217 ± 0.000 $\chi^2/\text{NDF}: 47121478231.6/38$

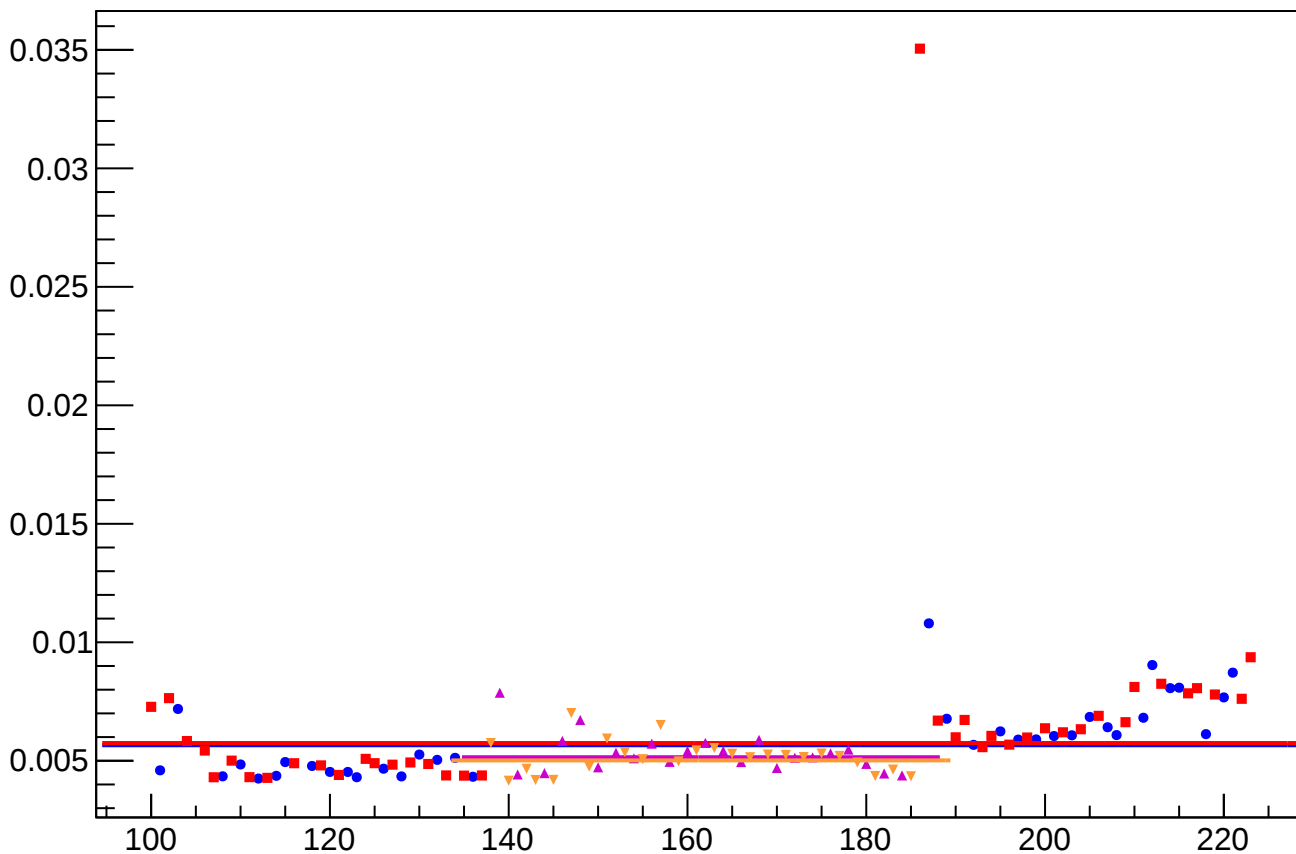
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 13717302.5/22$

+ sign -0.213 ± 0.000 $\chi^2/\text{NDF}: 54236681881.5/59$

All: -0.217 ± 0.000 $\chi^2/\text{NDF}: 101440373756.1$

- sign -0.222 ± 0.000 $\chi^2/\text{NDF}: 47156290155.9/61$

yield_bpm16Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1711984.0/34

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:532623.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 2174370.2/38

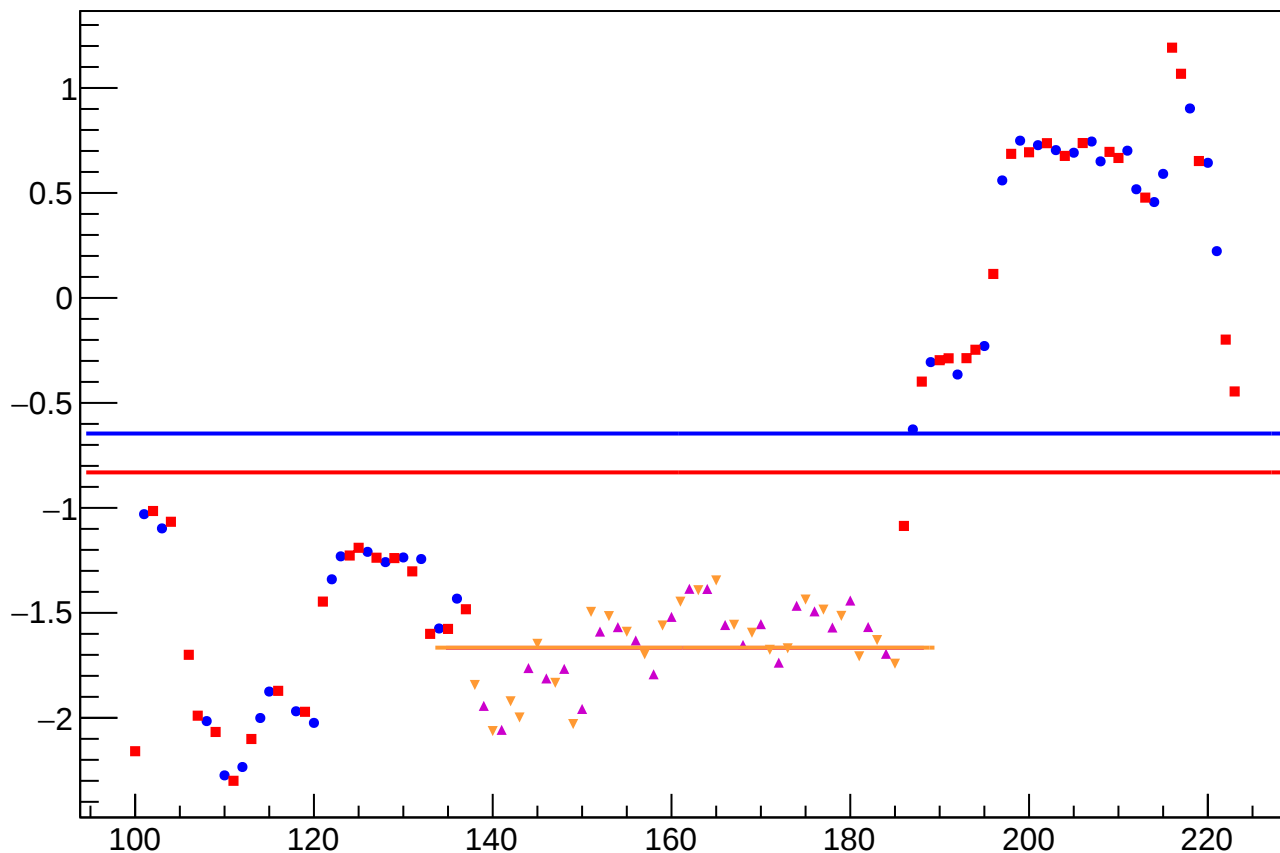
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:504040.6/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2495599.9/59

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 5405322.2/121

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2888868.1/61

yield_bpm0l01X_mean vs Slug



Right In: -0.646 ± 0.000 χ^2/NDF : 268941335083.5/34

Left Out: -1.666 ± 0.000 χ^2/NDF : 18368038680.8/24

Right Out: -0.831 ± 0.000 χ^2/NDF : 304136561487.4/38

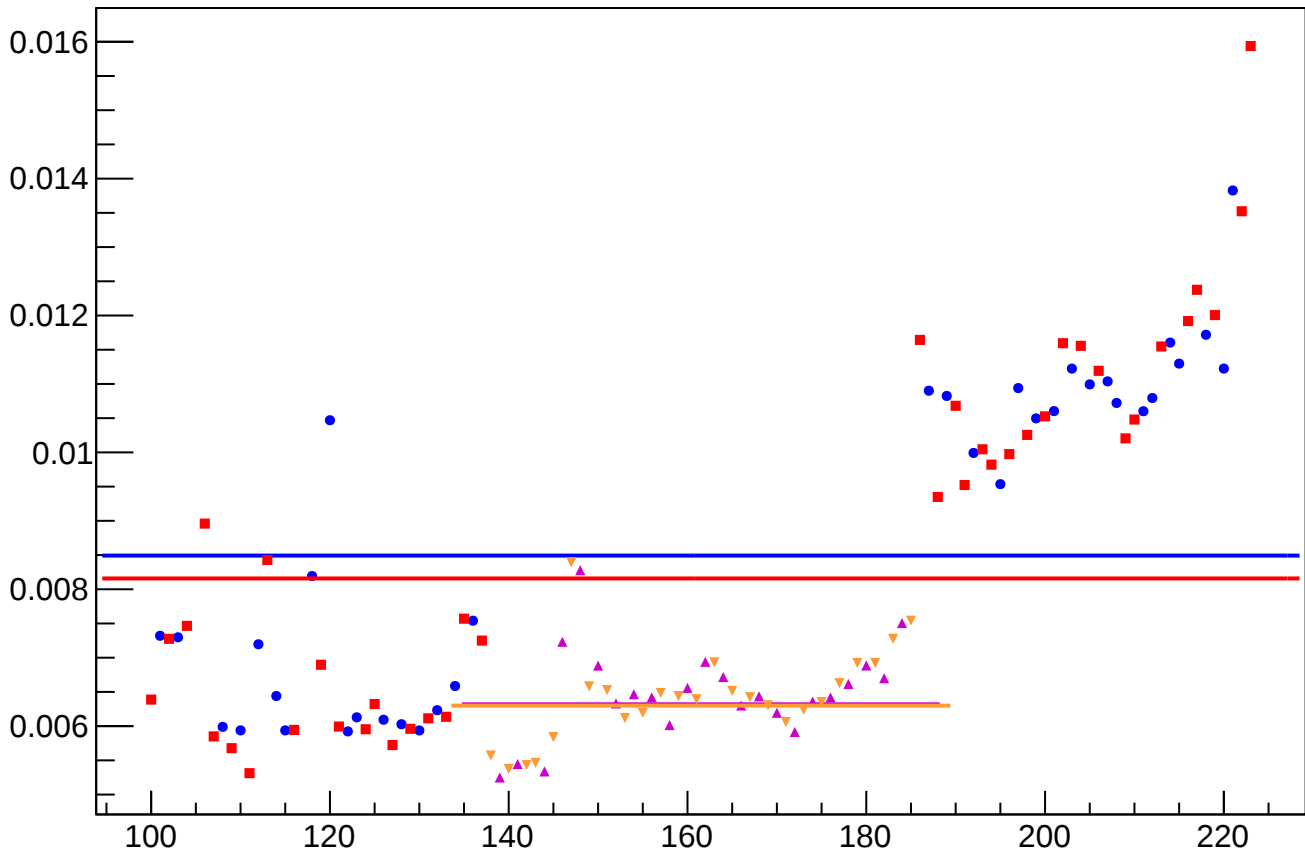
Left In: -1.667 ± 0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.301 ± 0.000 χ^2/NDF : 451555094125.5/59

All: -1.317 ± 0.000 χ^2/NDF : 885949714342.5

- sign -1.334 ± 0.000 χ^2/NDF : 434029653482.1/61

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2580685.5/34

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3177517.4/38

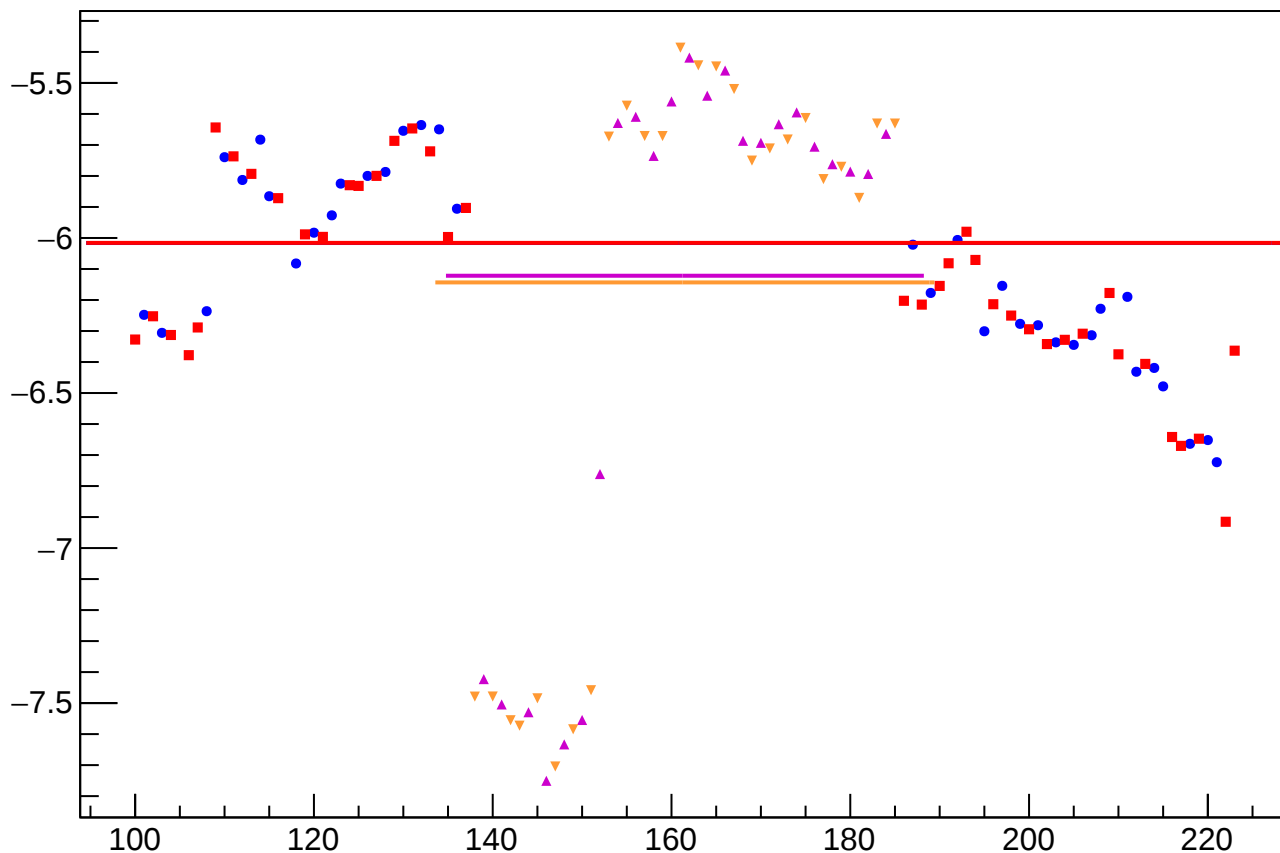
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 4411647.4/59

All: 0.007+/-0.000 χ^2/NDF : 9040029.8/121

- sign 0.007+/-0.000 χ^2/NDF : 4627708.0/61

yield_bpm0l01Y_mean vs Slug



Right In: -6.016+/-0.000 χ^2 /NDF: 22720381230.9/34

Left Out: -6.143+/-0.000 χ^2 /NDF: 185721259239.3/24

Right Out: -6.016+/-0.000 χ^2 /NDF: 24940237724.2/38

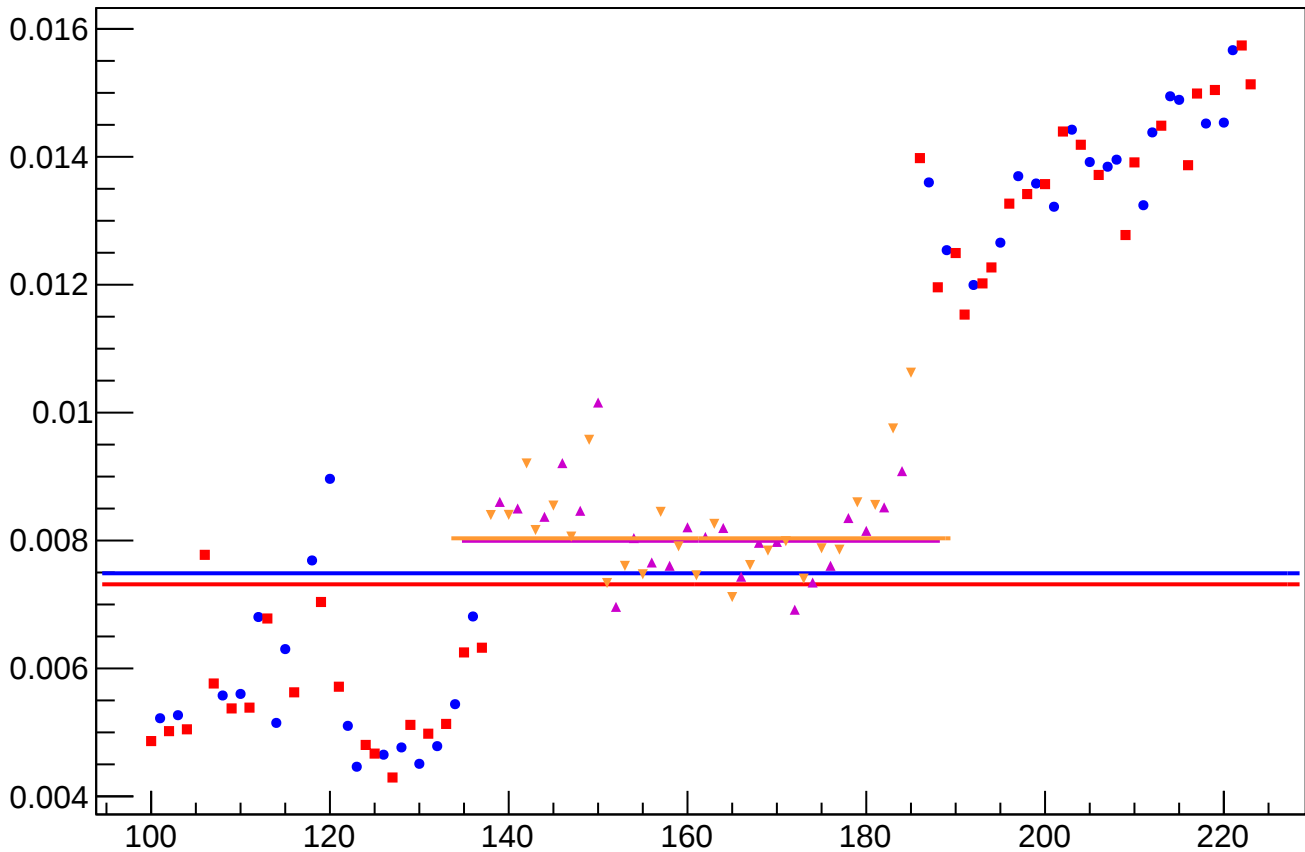
Left In: -6.122+/-0.000 χ^2 /NDF: 159909473006.6/22

+ sign -6.078+/-0.000 χ^2 /NDF: 210564448662.0/59

All: -6.071+/-0.000 χ^2 /NDF: 396979763019.4

- sign -6.064+/-0.000 χ^2 /NDF: 186362463128.8/61

yield_bpm0l01Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 7567430.4/34

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205976.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7615204.2/38

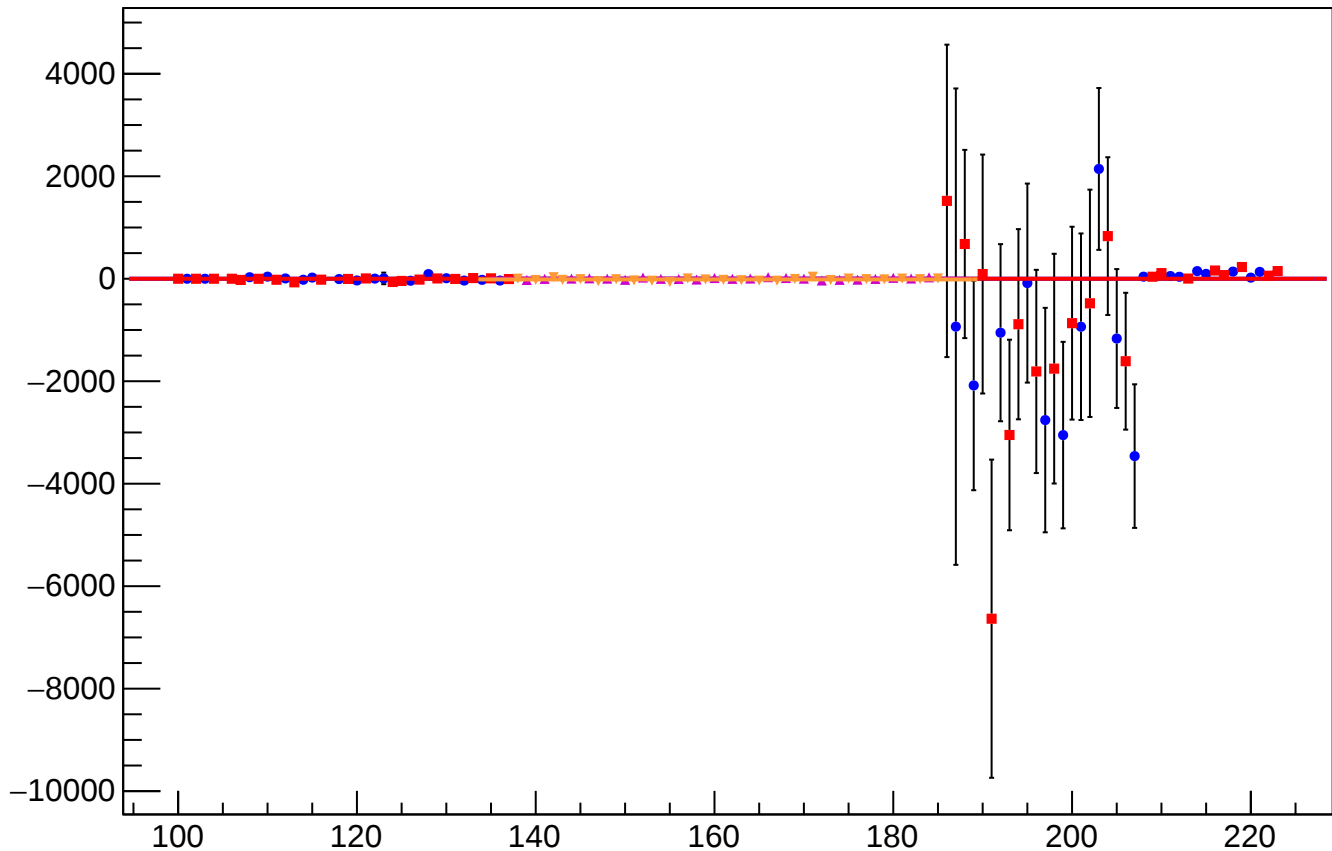
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220203.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7852036.4/59

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 15821193.0/121

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7960341.3/61

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 66.2/34

Left Out: -13.472 ± 2.796 χ^2/NDF : 58.5/24

Right Out: 0.003 ± 0.016 χ^2/NDF : 69.8/38

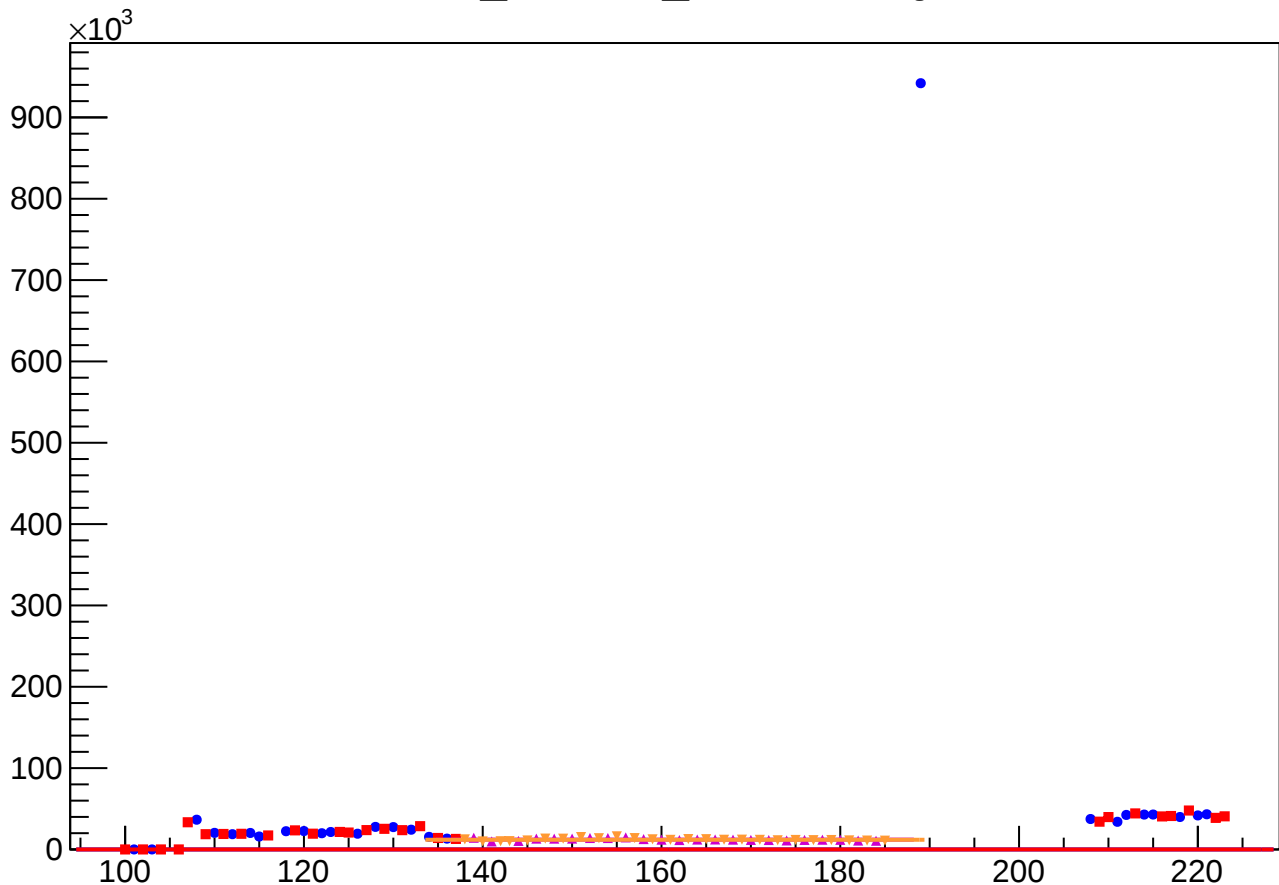
Left In: -0.489 ± 2.905 χ^2/NDF : 28.7/22

+ sign 0.013 ± 0.017 χ^2/NDF : 148.0/59

All: 0.008 ± 0.012 χ^2/NDF : 246.6/121

- sign 0.003 ± 0.016 χ^2/NDF : 98.5/61

diff_cav4bX_rms vs Slug



Right In: 18.686+/-0.012 χ^2/NDF : 23184000.5/25

Left Out: 11909.835+/-1.977 χ^2/NDF : 475310.2/24

Right Out: 18.346+/-0.011 χ^2/NDF : 22183013.3/26

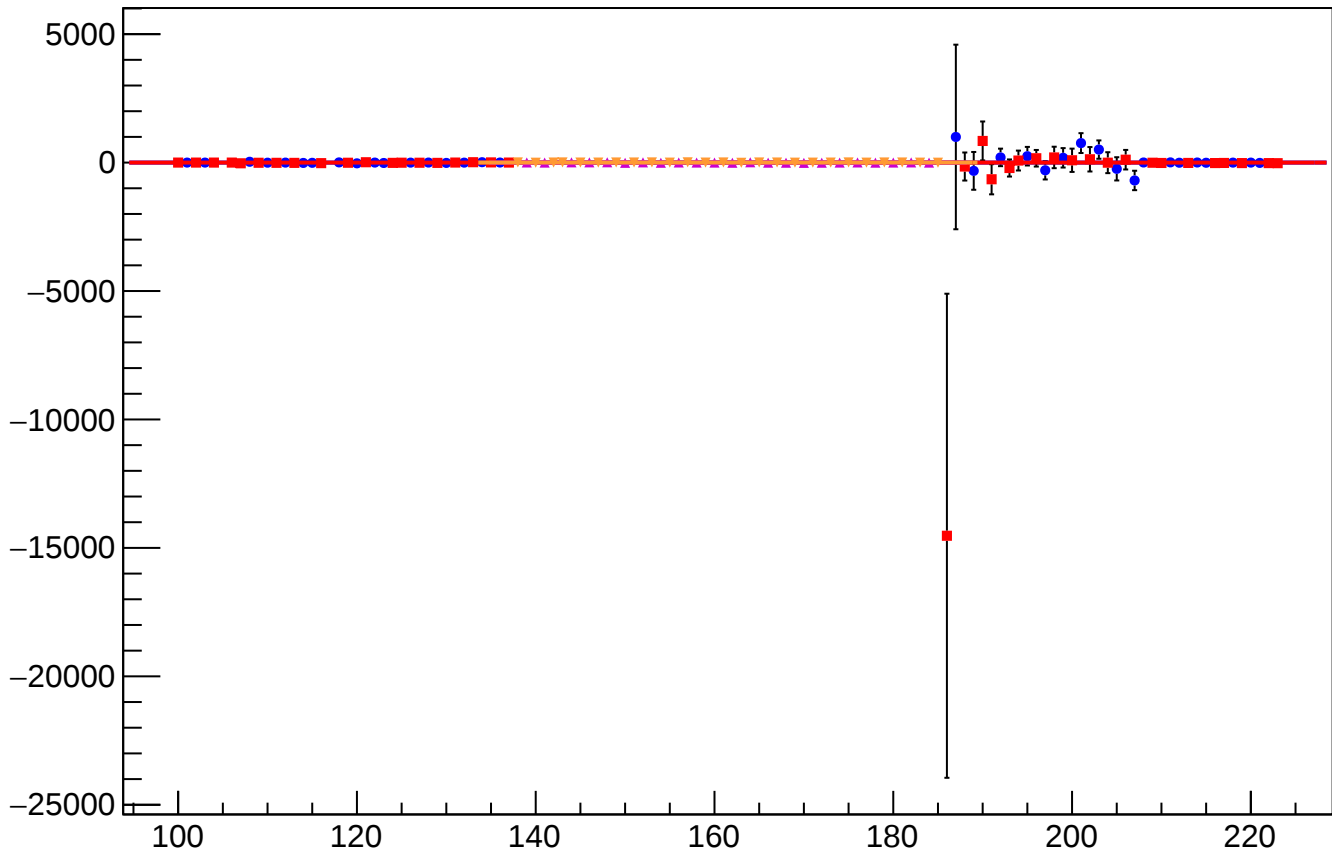
Left In: 12064.321+/-2.054 χ^2/NDF : 372586.0/22

+ sign 19.143+/-0.012 χ^2/NDF : 59823967.5/50

All: 18.913+/-0.008 χ^2/NDF : 116759977.0/10

- sign 18.715+/-0.011 χ^2/NDF : 56935355.1/49

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 34.3/34

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 76.1/38

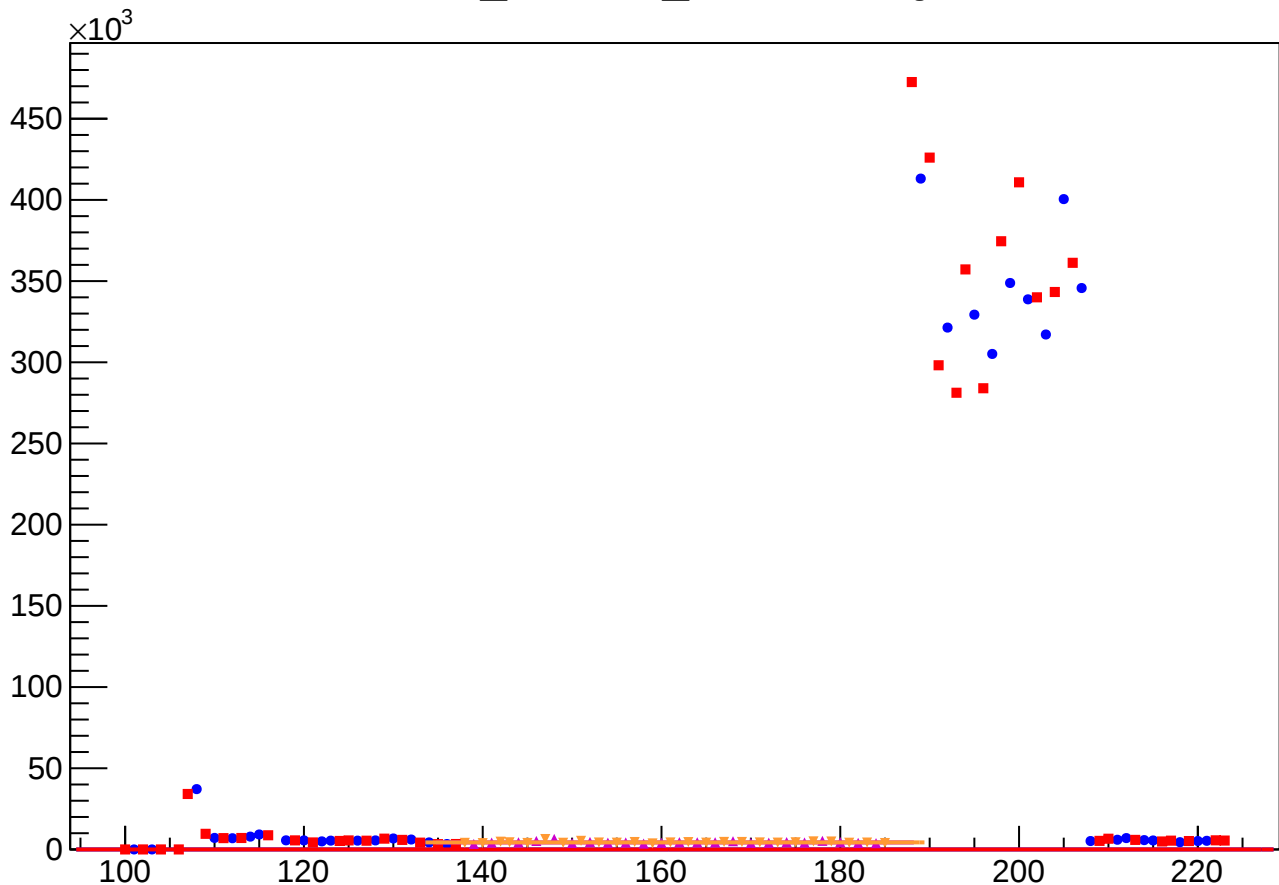
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 54.9/59

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 168.4/121

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 112.4/61

diff_cav4bY_rms vs Slug



Right In: 10.033+/-0.007 χ^2/NDF : 36576715.2/33

Left Out: 4350.545+/-0.722 χ^2/NDF : 384749.0/24

Right Out: 9.931+/-0.006 χ^2/NDF : 36937940.0/37

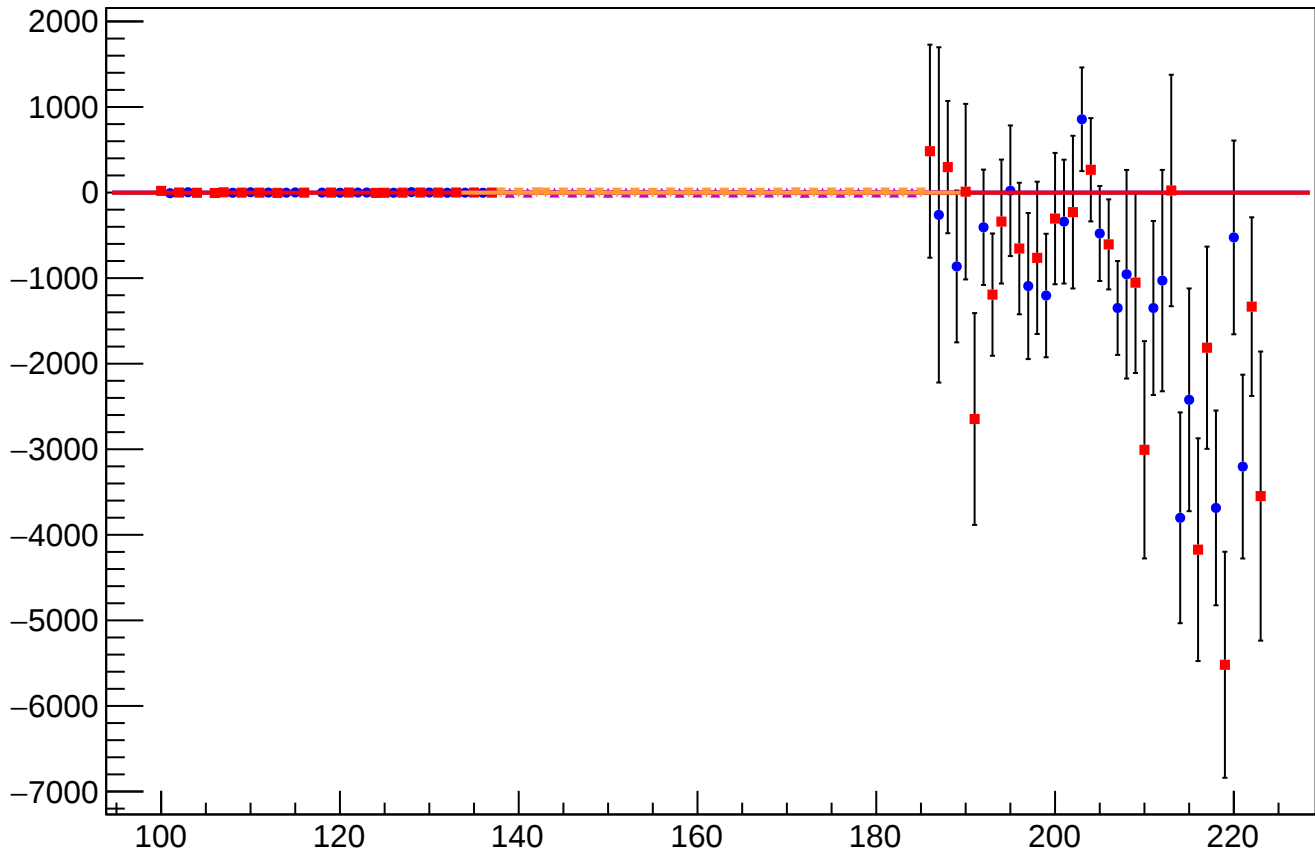
Left In: 4314.568+/-0.738 χ^2/NDF : 534594.3/22

+ sign 10.386+/-0.007 χ^2/NDF : 73103121.9/58

All: 10.301+/-0.004 χ^2/NDF : 144637832.4/1

- sign 10.227+/-0.006 χ^2/NDF : 71534393.2/60

diff_cav4cX_mean vs Slug



Right In: -0.707 ± 0.485 $\chi^2/\text{NDF}: 72.8/34$

Left Out: -0.774 ± 0.164 $\chi^2/\text{NDF}: 58.4/24$

Right Out: -0.766 ± 0.502 $\chi^2/\text{NDF}: 65.5/38$

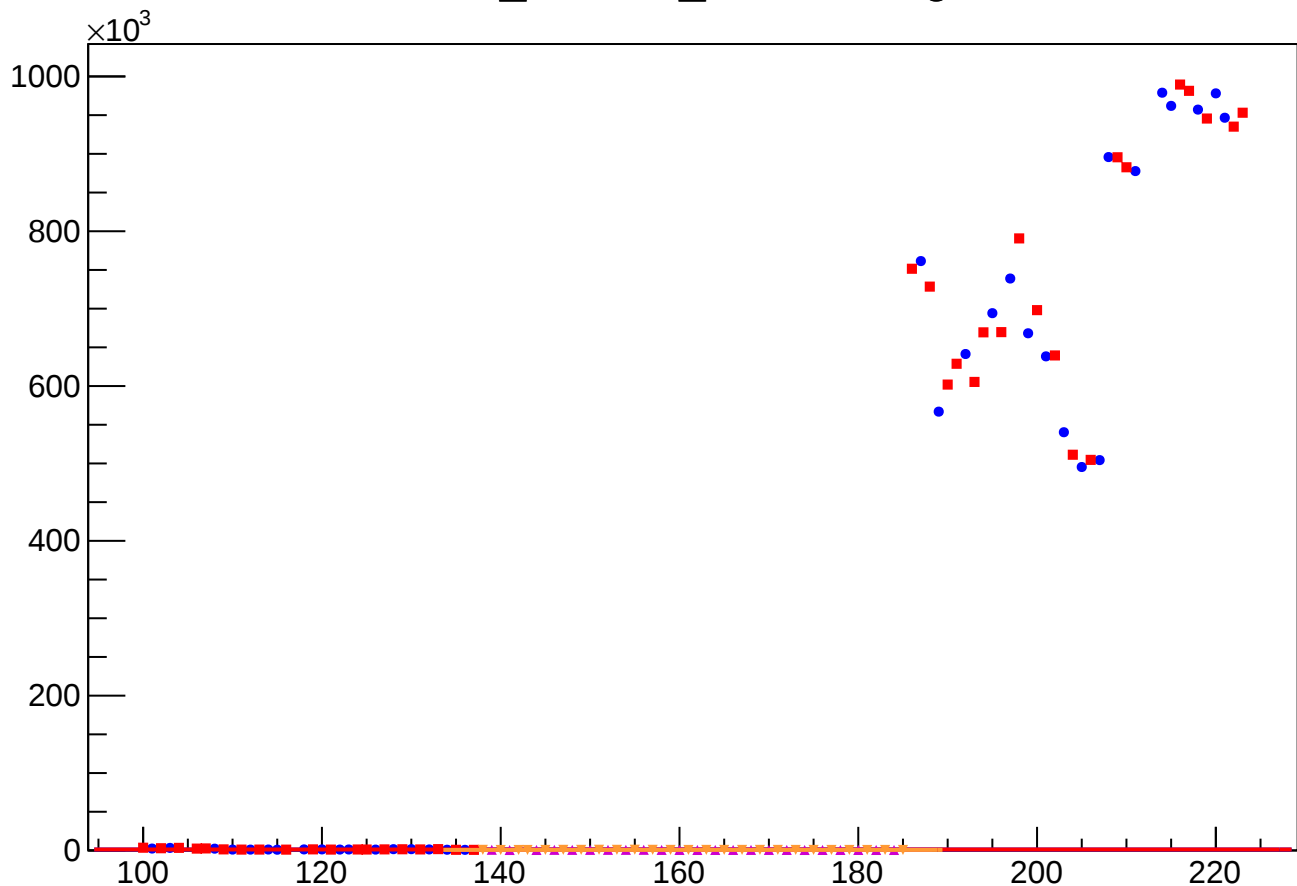
Left In: -0.020 ± 0.170 $\chi^2/\text{NDF}: 29.2/22$

+ sign -0.768 ± 0.156 $\chi^2/\text{NDF}: 131.2/59$

All: -0.444 ± 0.112 $\chi^2/\text{NDF}: 236.9/121$

- sign -0.097 ± 0.161 $\chi^2/\text{NDF}: 96.7/61$

diff_cav4cX_rms vs Slug



Right In: 1167.573+/-0.343 χ^2/NDF : 20399679.1/33

Left Out: 700.797+/-0.116 χ^2/NDF : 392521.4/24

Right Out: 1252.937+/-0.355 χ^2/NDF : 21329279.0/37

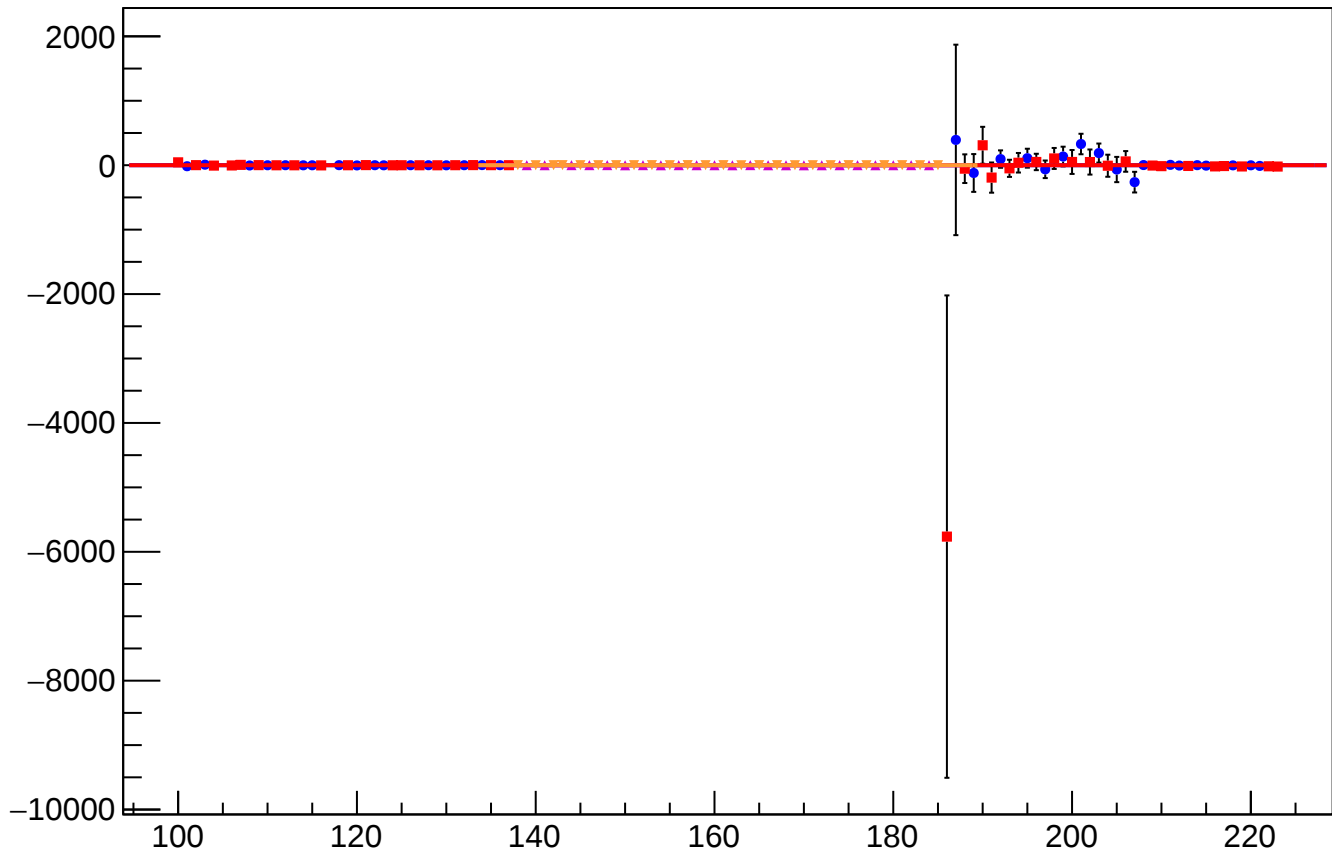
Left In: 706.950+/-0.120 χ^2/NDF : 338177.1/22

+ sign 748.848+/-0.110 χ^2/NDF : 22453939.0/58

All: 755.763+/-0.079 χ^2/NDF : 46251010.3/11

- sign 763.176+/-0.114 χ^2/NDF : 23788888.9/60

diff_cav4cY_mean vs Slug



Right In: -0.119 ± 0.267 χ^2/NDF : 41.9/34

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: -0.049 ± 0.262 χ^2/NDF : 96.1/38

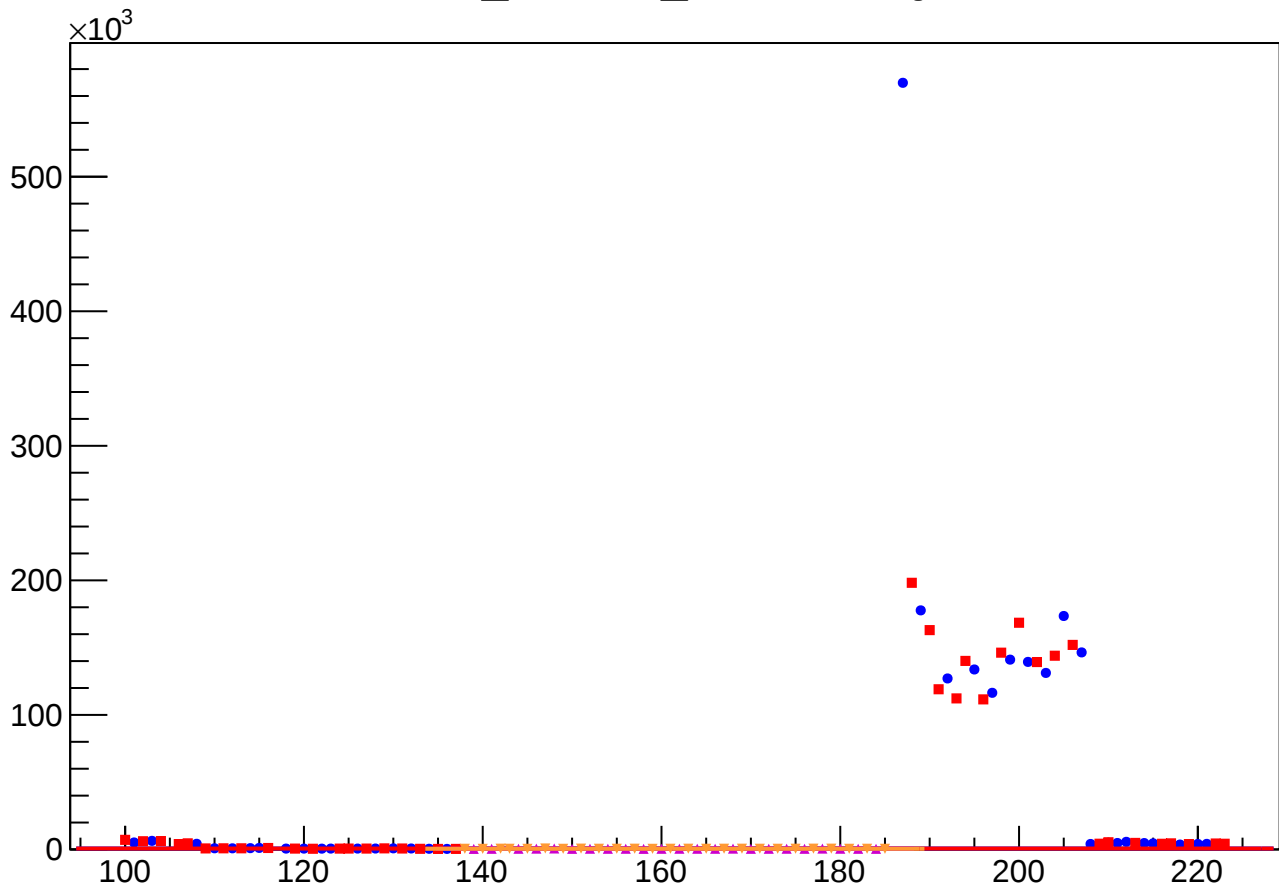
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.175 ± 0.111 χ^2/NDF : 61.0/59

All: 0.130 ± 0.079 χ^2/NDF : 192.7/121

- sign 0.085 ± 0.113 χ^2/NDF : 131.4/61

diff_cav4cY_rms vs Slug



Right In: 697.006 $\pm$ 0.189 χ^2 /NDF: 25765839.7/34

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 677.200 $\pm$ 0.185 χ^2 /NDF: 26474767.5/37

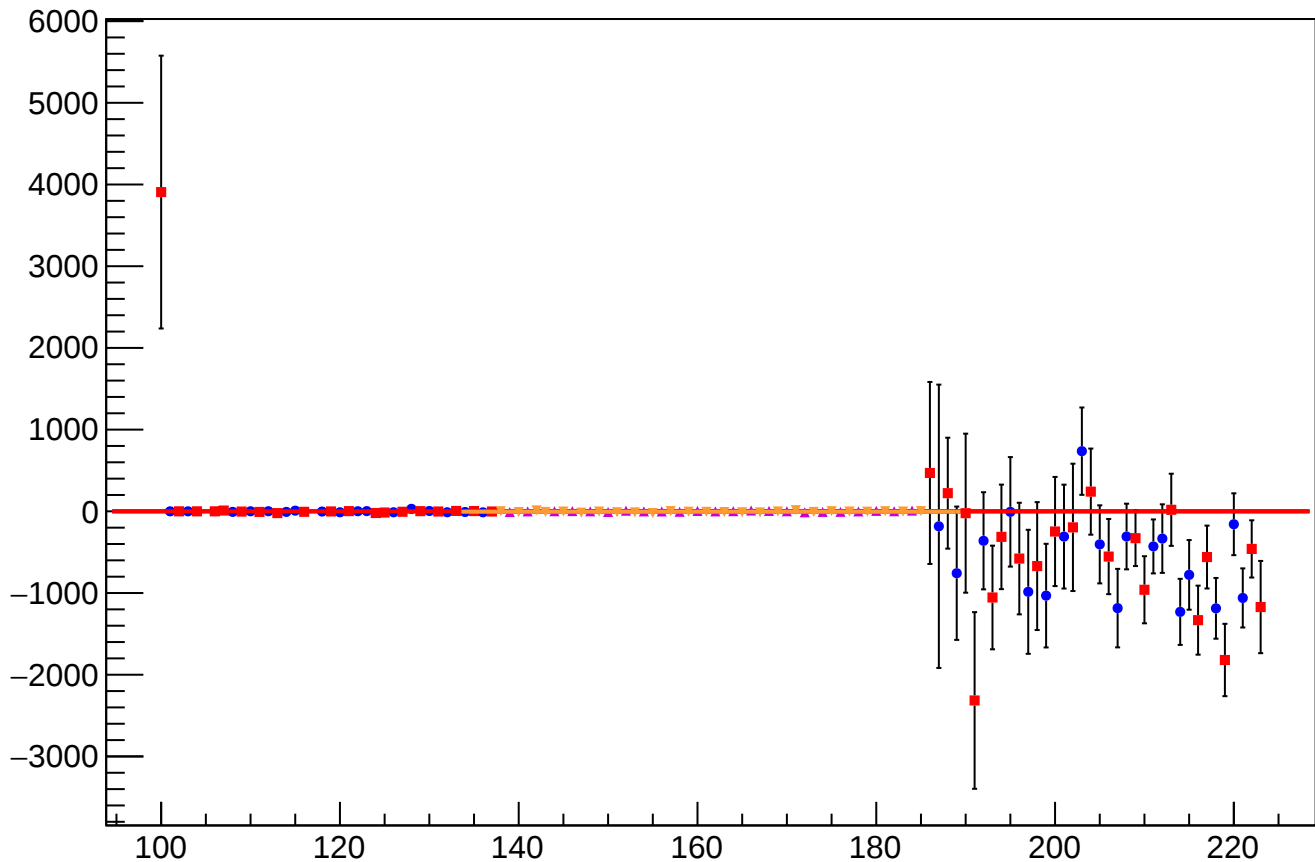
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 552.685 $\pm$ 0.079 χ^2 /NDF: 26801935.2/59

All: 550.977 $\pm$ 0.056 χ^2 /NDF: 54307703.3/12

- sign 549.211 $\pm$ 0.080 χ^2 /NDF: 27504810.8/60

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 64.6/34

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 69.4/38

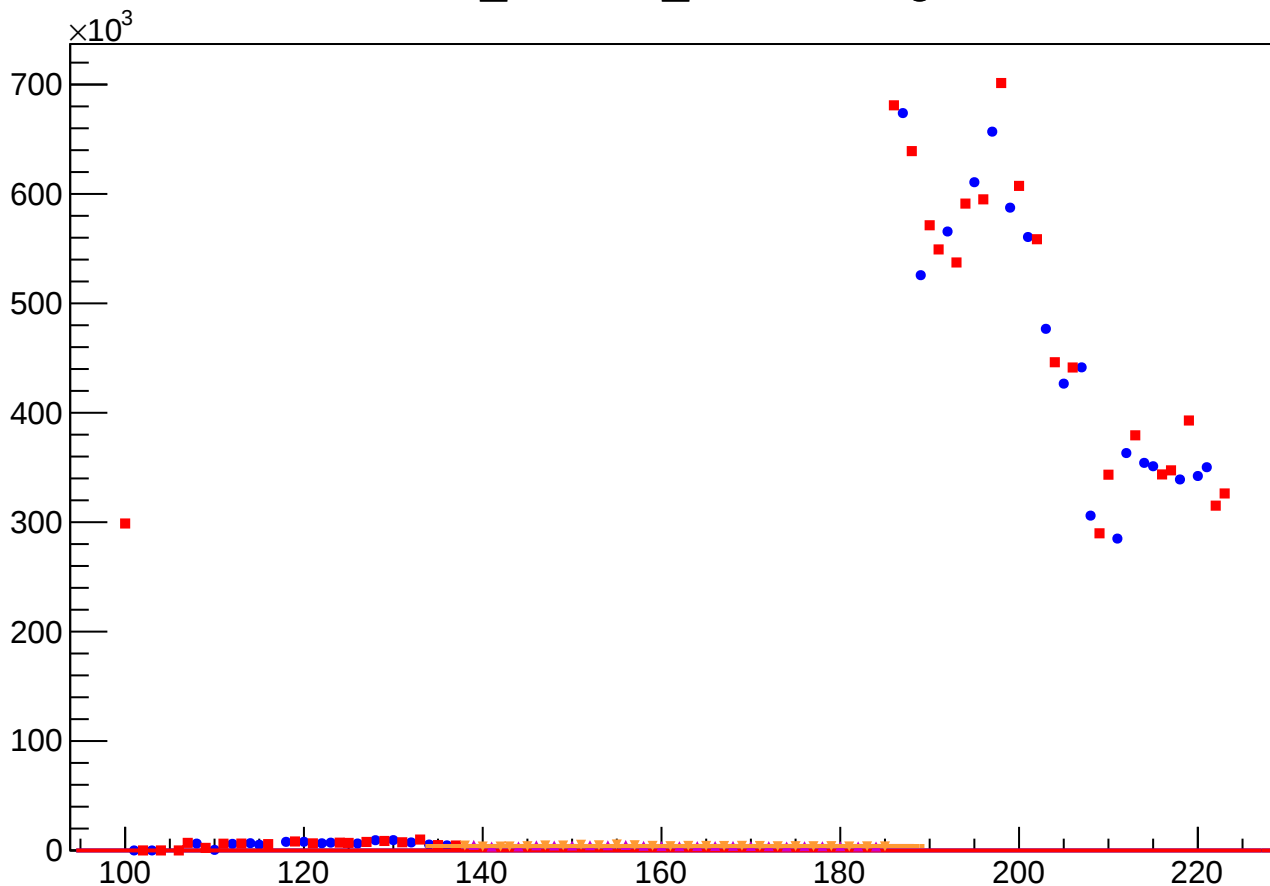
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 144.5/59

All: -0.025 ± 0.014 χ^2/NDF : 243.2/121

- sign -0.027 ± 0.020 χ^2/NDF : 98.6/61

diff_cav4dX_rms vs Slug



Right In: 17.349+/-0.015 χ^2/NDF : 36776160.9/34

Left Out: 4074.257+/-0.676 χ^2/NDF : 416916.0/24

Right Out: 17.279+/-0.014 χ^2/NDF : 37819457.2/38

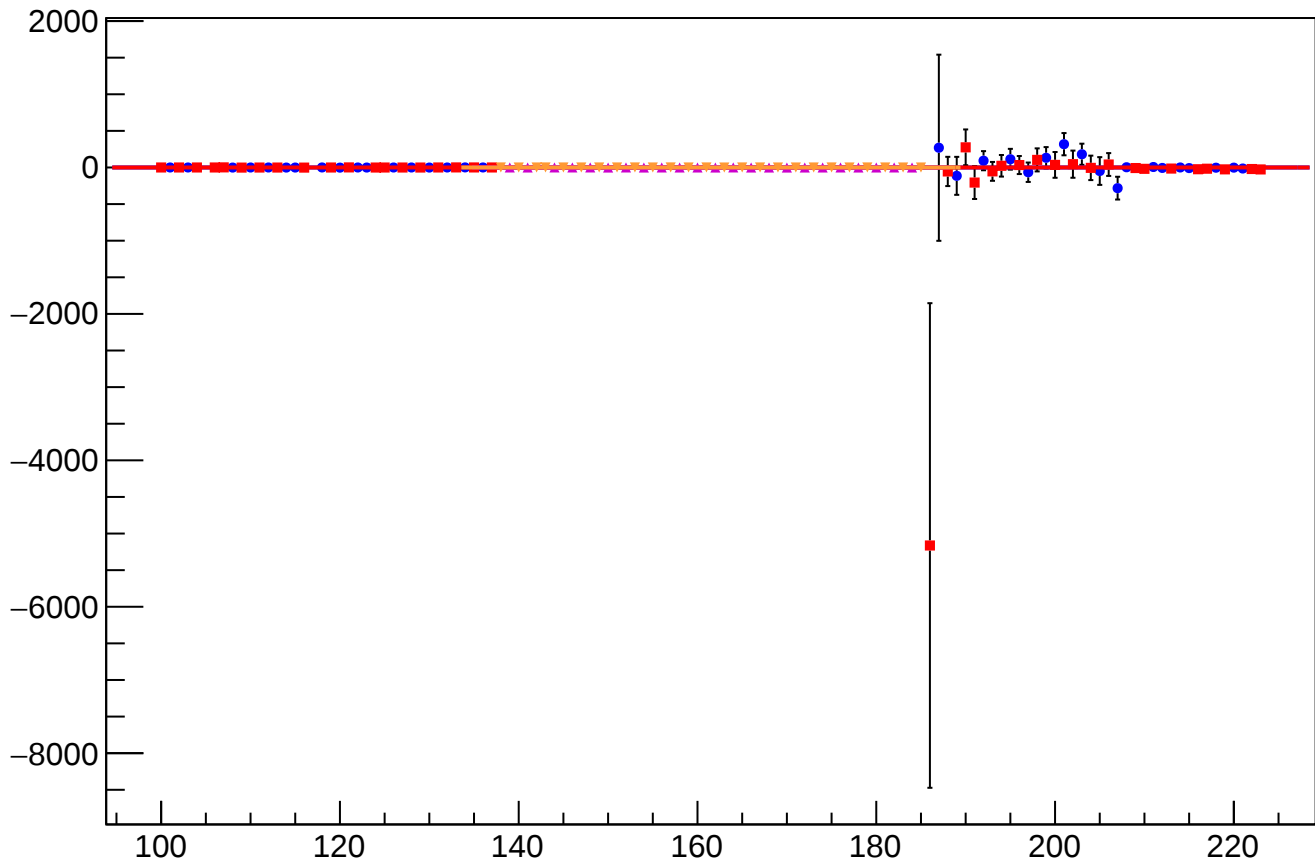
Left In: 4113.744+/-0.700 χ^2/NDF : 354965.8/22

+ sign 19.269+/-0.015 χ^2/NDF : 73226070.0/59

All: 19.082+/-0.010 χ^2/NDF : 145617468.7/12

- sign 18.912+/-0.014 χ^2/NDF : 72391089.0/61

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 37.8/34

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 97.9/38

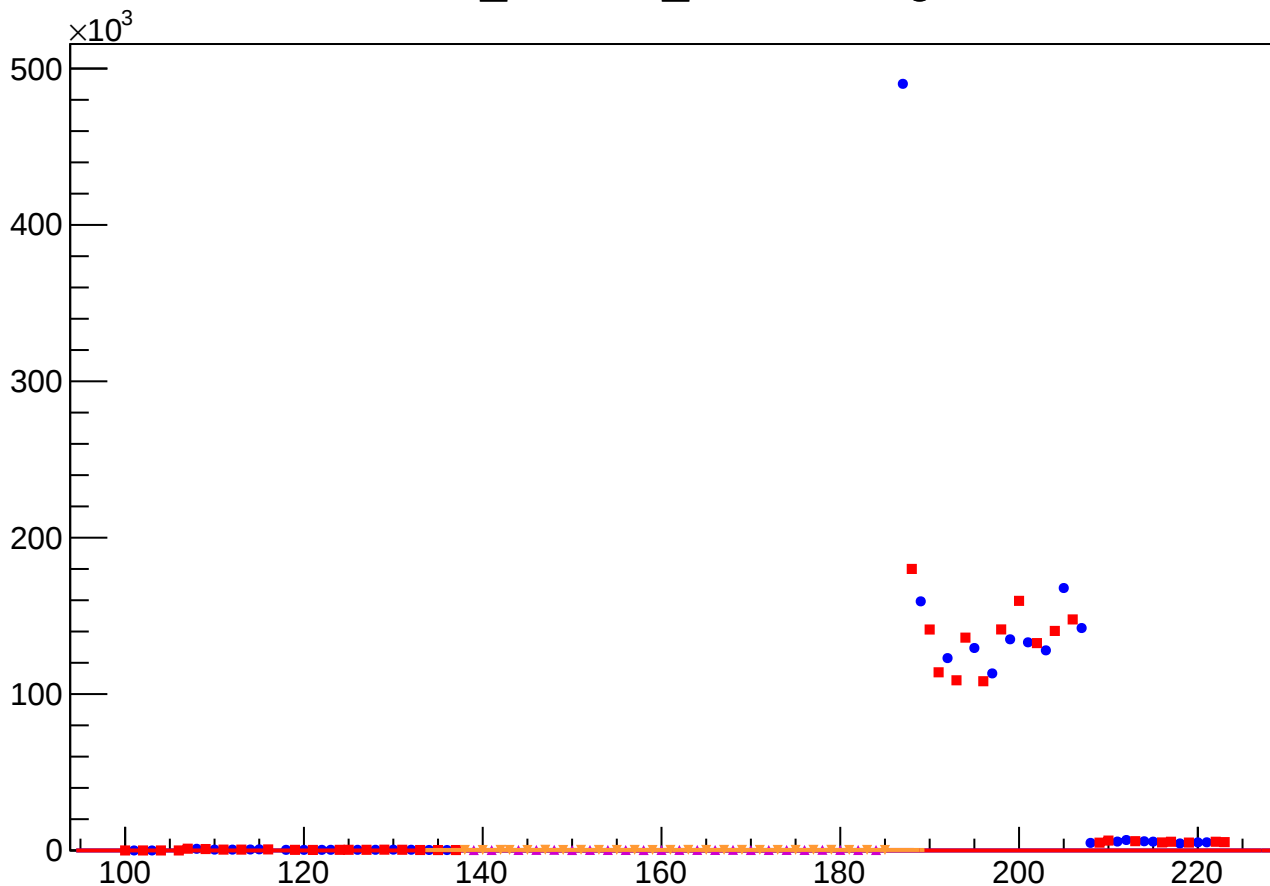
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 58.5/59

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 192.2/121

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 133.6/61

diff_cav4dY_rms vs Slug



Right In: 1.703 ± 0.001 χ^2/NDF : 36982233.4/34

Left Out: 325.469 ± 0.054 χ^2/NDF : 350046.8/24

Right Out: 1.732 ± 0.001 χ^2/NDF : 36748650.9/37

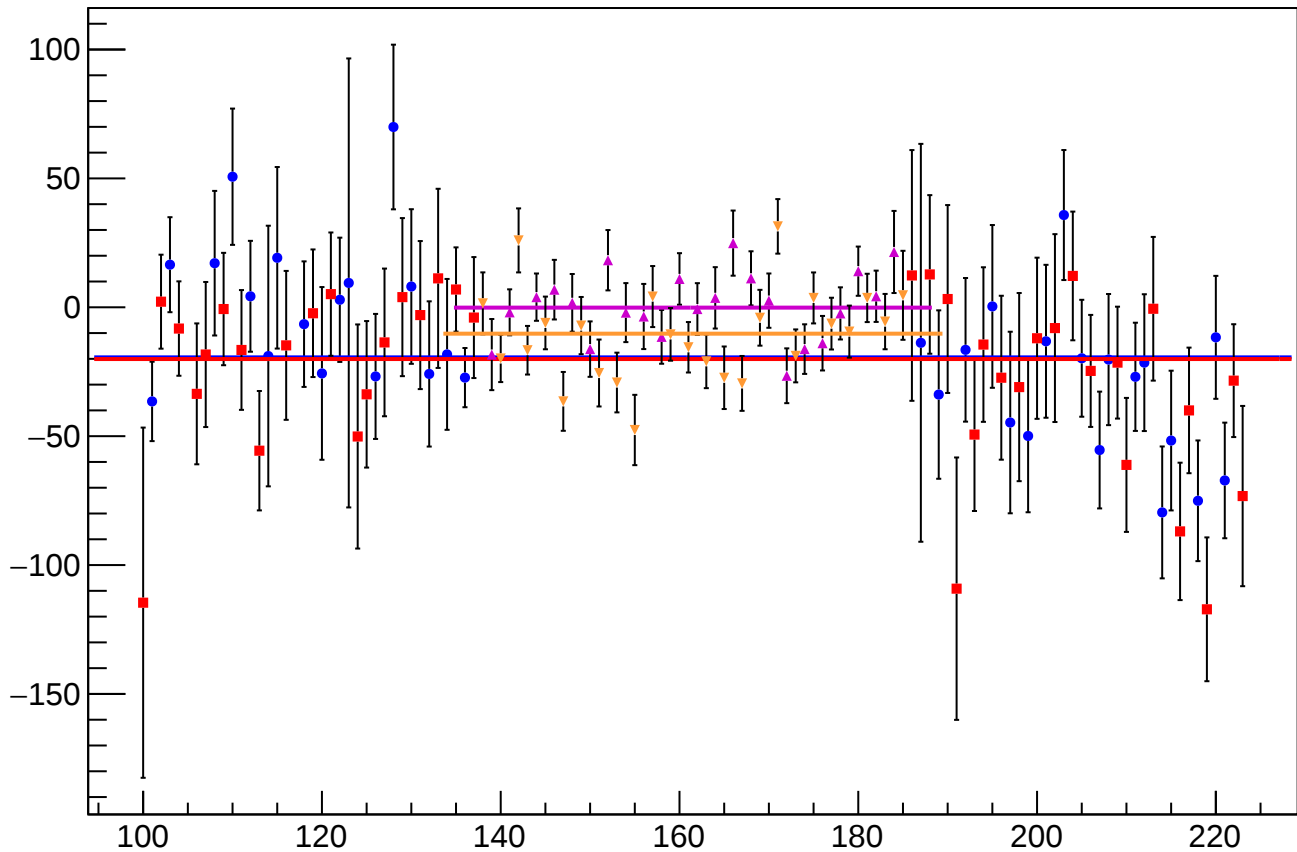
Left In: 325.201 ± 0.055 χ^2/NDF : 428069.7/22

+ sign 1.931 ± 0.001 χ^2/NDF : 73293536.8/59

All: 1.930 ± 0.001 χ^2/NDF : 144440422.4/120

- sign 1.930 ± 0.001 χ^2/NDF : 71146885.2/60

diff_bpm4aX_mean vs Slug



Right In: -19.429 ± 4.185 χ^2/NDF : 53.7/34

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -20.075 ± 4.259 χ^2/NDF : 47.3/38

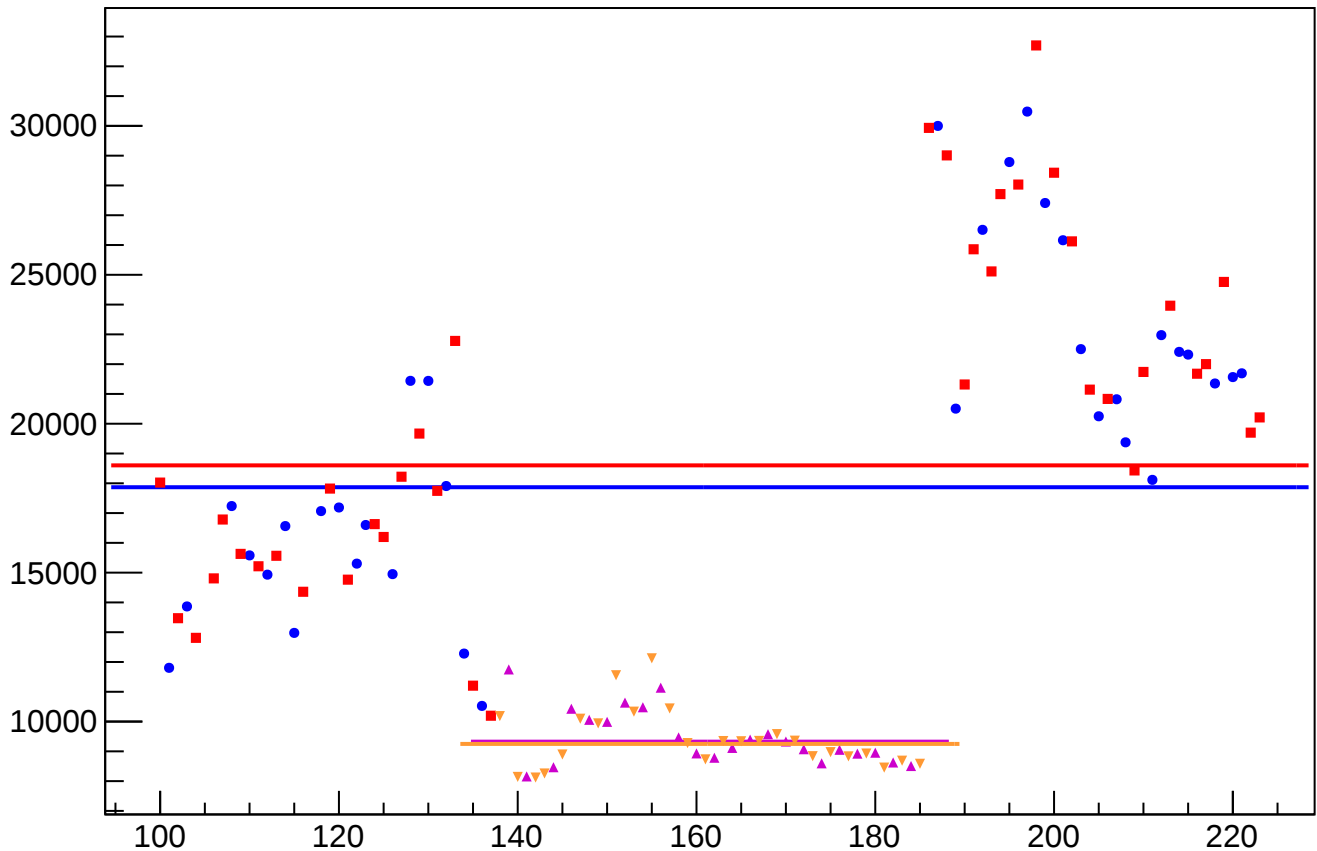
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -12.178 ± 1.924 χ^2/NDF : 115.4/59

All: -8.437 ± 1.381 χ^2/NDF : 217.5/121

- sign -4.459 ± 1.984 χ^2/NDF : 94.3/61

diff_bpm4aX_rms vs Slug



Right In: 17867.710 $\pm$ 2.959 χ^2 /NDF: 3083315.8/34

Left Out: 9249.358 $\pm$ 1.532 χ^2 /NDF:332003.4/24

+ sign 11070.984 $\pm$ 1.361 χ^2 /NDF: 10103972.1/59

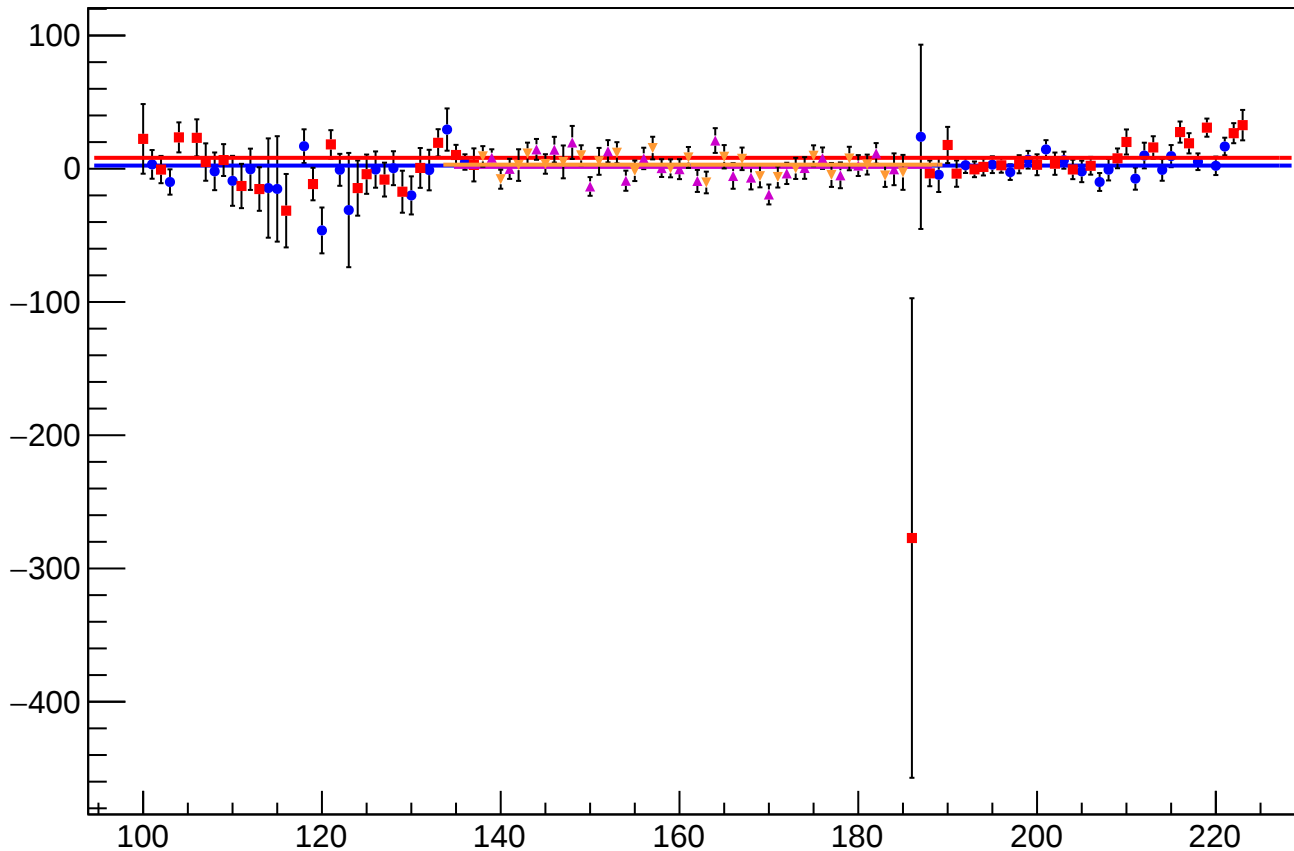
Right Out: 18601.693 $\pm$ 3.011 χ^2 /NDF: 3079282.0/38

All: 11200.675 $\pm$ 0.977 χ^2 /NDF: 20913269.9

Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

- sign 11338.570 $\pm$ 1.403 χ^2 /NDF: 10790549.8/61

diff_bpm4aY_mean vs Slug



Right In: 2.380 ± 1.508 χ^2/NDF : 34.8/34

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 8.201 ± 1.501 χ^2/NDF : 67.1/38

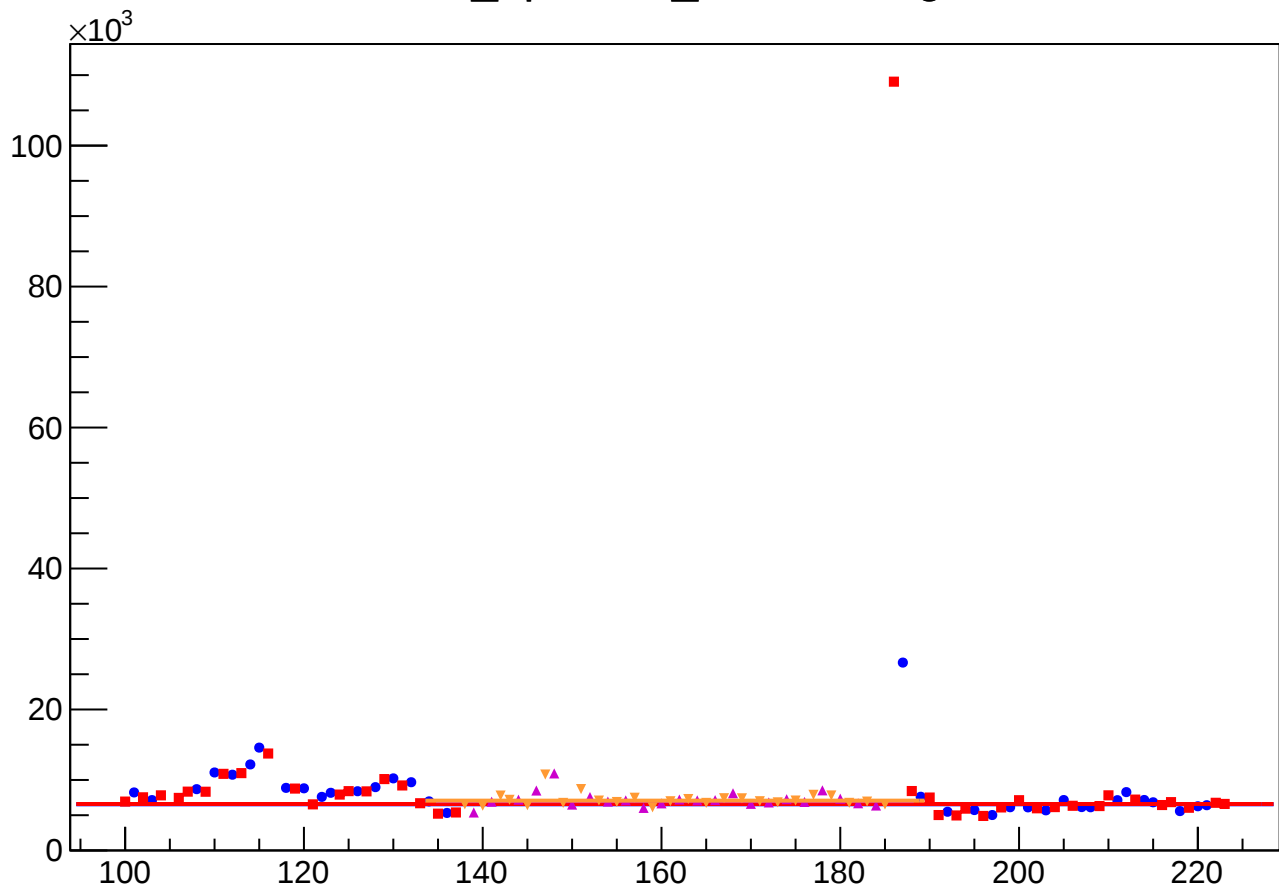
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.689 ± 1.116 χ^2/NDF : 53.2/59

All: 3.940 ± 0.792 χ^2/NDF : 167.2/121

- sign 5.207 ± 1.123 χ^2/NDF : 111.5/61

diff_bpm4aY_rms vs Slug



Right In: 6547.754 ± 1.067 $\chi^2/\text{NDF}: 1665025.8/34$

Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$

Right Out: 6589.869 ± 1.061 $\chi^2/\text{NDF}: 2167283.1/38$

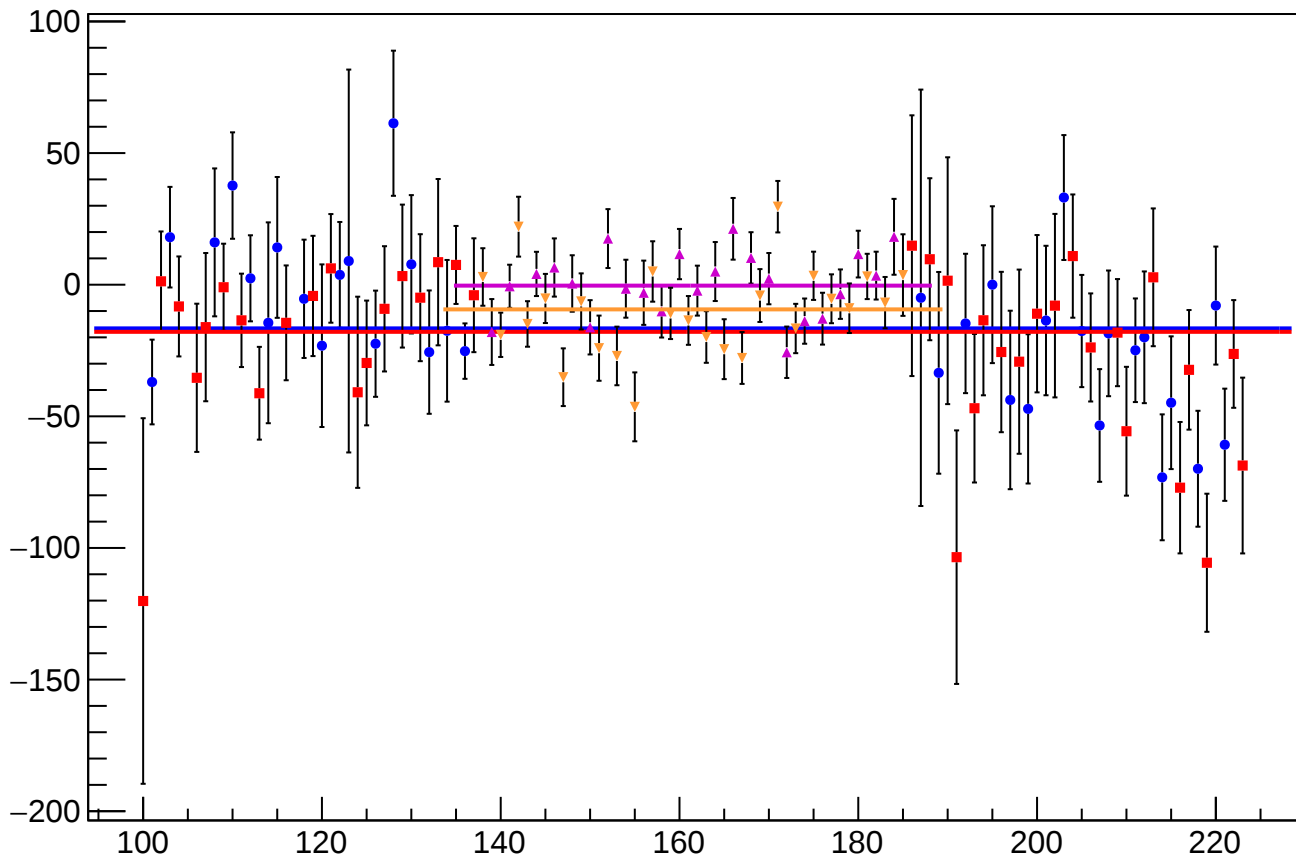
Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

+ sign 6782.700 ± 0.789 $\chi^2/\text{NDF}: 2159667.0/59$

All: 6776.650 ± 0.560 $\chi^2/\text{NDF}: 4942992.5/12$

- sign 6770.523 ± 0.794 $\chi^2/\text{NDF}: 2783207.2/61$

diff_bpm4eX_mean vs Slug



Right In: -16.593 ± 3.843 χ^2/NDF : 54.4/34

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -17.899 ± 3.878 χ^2/NDF : 44.4/38

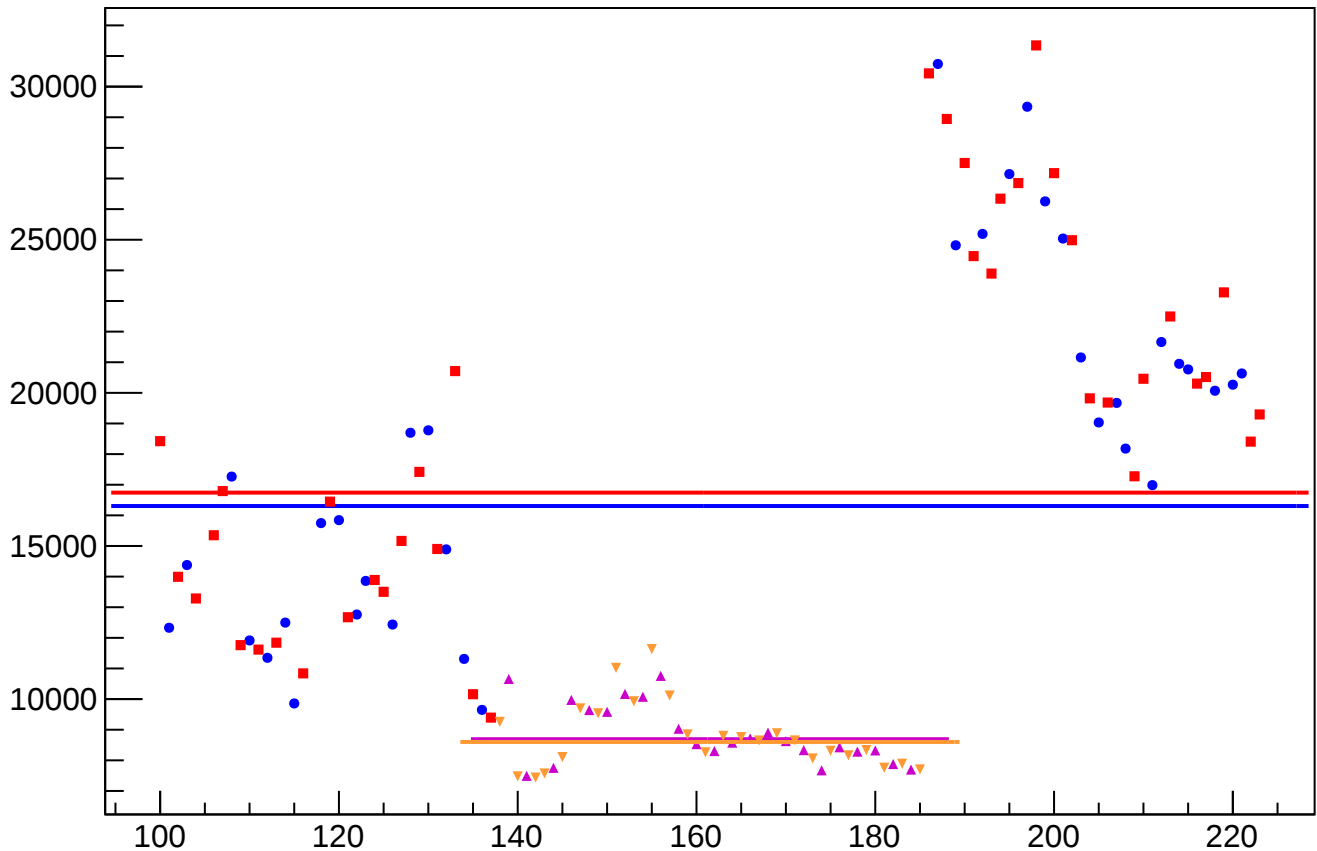
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -10.936 ± 1.786 χ^2/NDF : 115.6/59

All: -7.723 ± 1.282 χ^2/NDF : 212.2/121

- sign -4.309 ± 1.841 χ^2/NDF : 89.9/61

diff_bpm4eX_rms vs Slug



Right In: 16304.258+/-2.717 χ^2/NDF : 3608435.4/34

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 16742.178+/-2.742 χ^2/NDF : 3939852.3/38

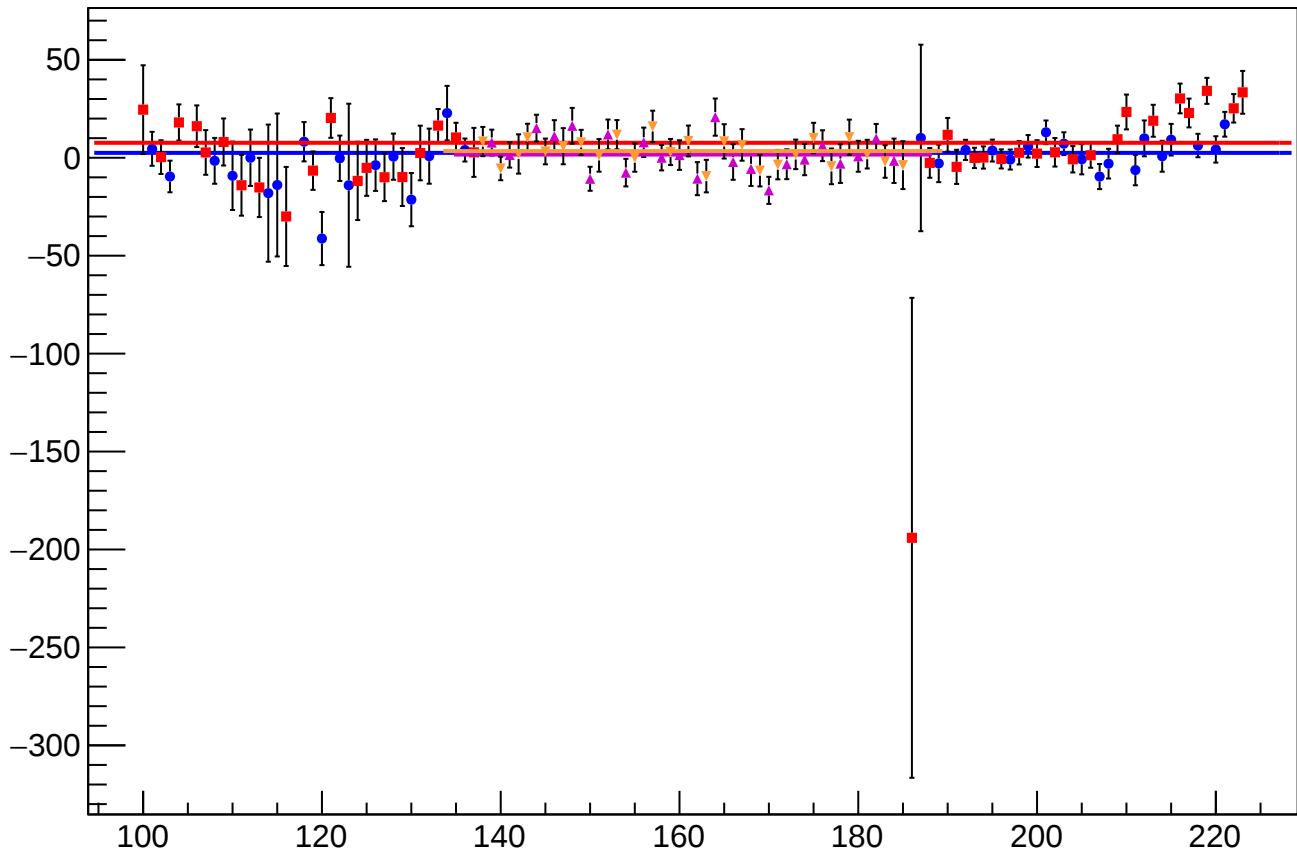
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 10265.194+/-1.263 χ^2/NDF : 10346731.3/59

All: 10381.736+/-0.907 χ^2/NDF : 21353393.3

- sign 10505.542+/-1.302 χ^2/NDF : 10989109.0/61

diff_bpm4eY_mean vs Slug



Right In: 2.495 ± 1.378 χ^2/NDF : 37.6/34

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 7.639 ± 1.354 χ^2/NDF : 83.7/38

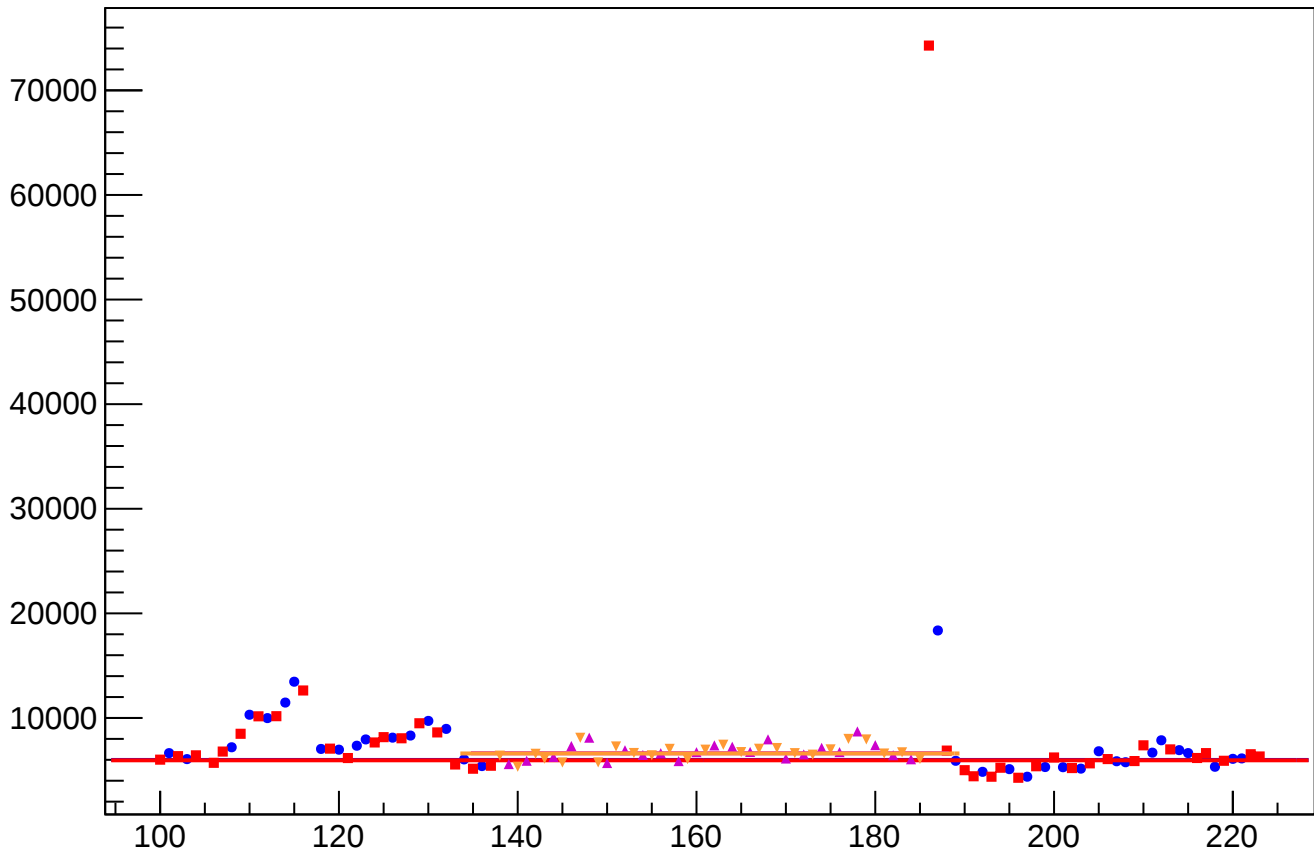
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.897 ± 1.030 χ^2/NDF : 54.6/59

All: 4.009 ± 0.729 χ^2/NDF : 182.4/121

- sign 5.129 ± 1.033 χ^2/NDF : 125.4/61

diff_bpm4eY_rms vs Slug



Right In: 5985.571 ± 0.974 $\chi^2/\text{NDF}: 1665134.6/34$

Left Out: 6607.100 ± 1.096 $\chi^2/\text{NDF}: 398416.1/24$

Right Out: 5953.664 ± 0.957 $\chi^2/\text{NDF}: 2270262.2/38$

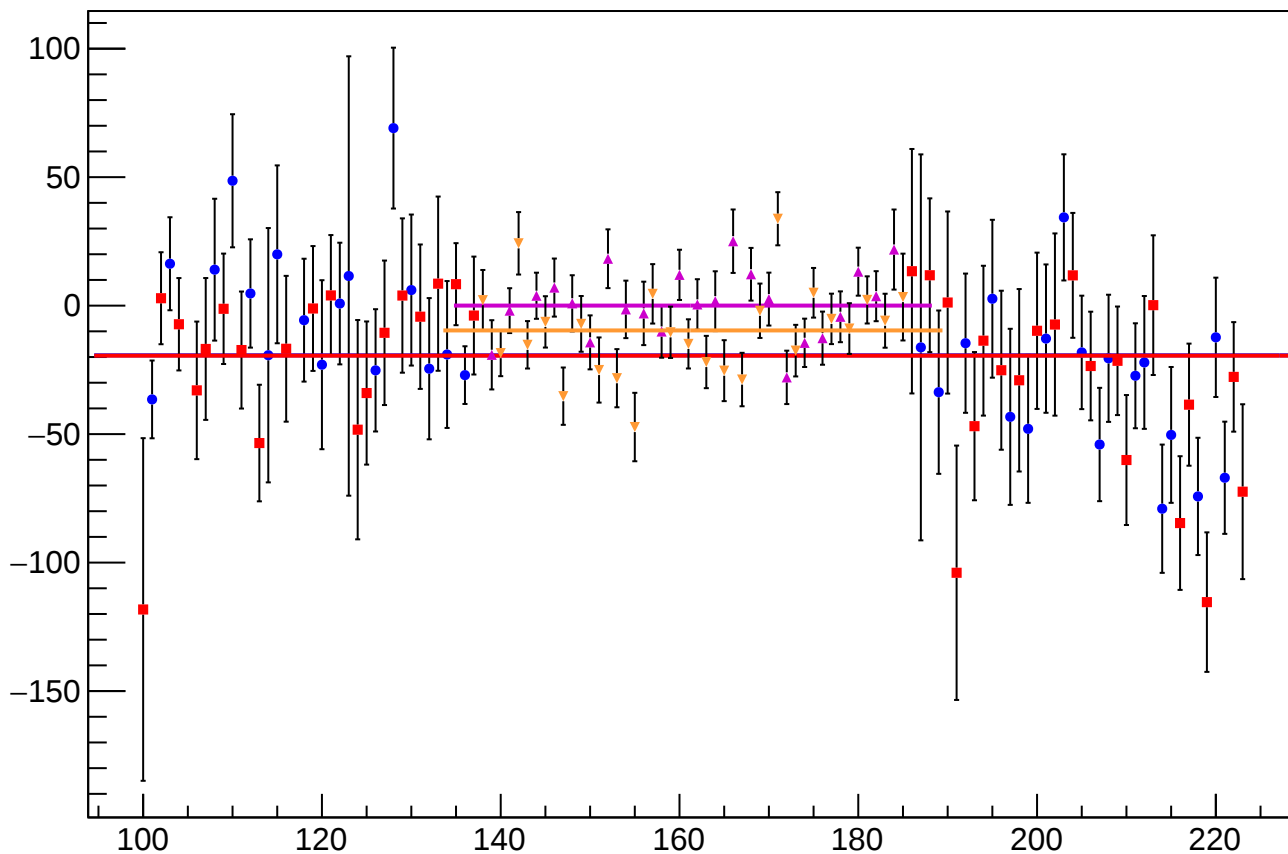
Left In: 6628.653 ± 1.131 $\chi^2/\text{NDF}: 430282.2/22$

+ sign 6259.807 ± 0.728 $\chi^2/\text{NDF}: 2243138.2/59$

All: 6247.657 ± 0.516 $\chi^2/\text{NDF}: 5151833.3/12$

- sign 6235.430 ± 0.731 $\chi^2/\text{NDF}: 2908136.6/61$

diff_bpm4acX_mean vs Slug



Right In: -19.339 ± 4.090 χ^2/NDF : 54.0/34

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -19.471 ± 4.162 χ^2/NDF : 47.8/38

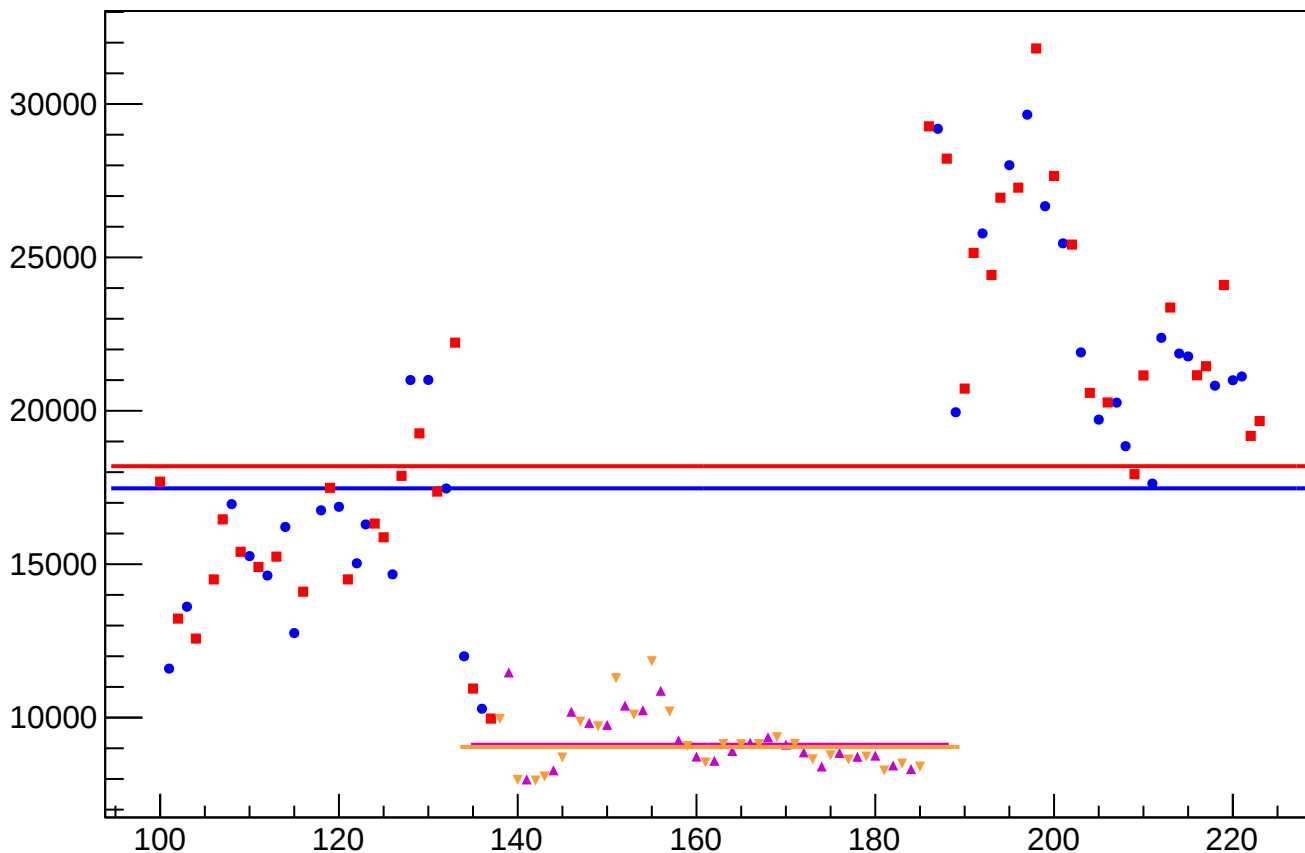
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -11.699 ± 1.881 χ^2/NDF : 118.3/59

All: -8.070 ± 1.350 χ^2/NDF : 221.5/121

- sign -4.213 ± 1.939 χ^2/NDF : 95.6/61

diff_bpm4acX_rms vs Slug



Right In: 17472.735 $\pm$ 2.892 χ^2 /NDF: 3030589.6/34

Left Out: 9043.485 $\pm$ 1.498 χ^2 /NDF:328192.2/24

Right Out: 18194.562 $\pm$ 2.943 χ^2 /NDF: 3021080.8/38

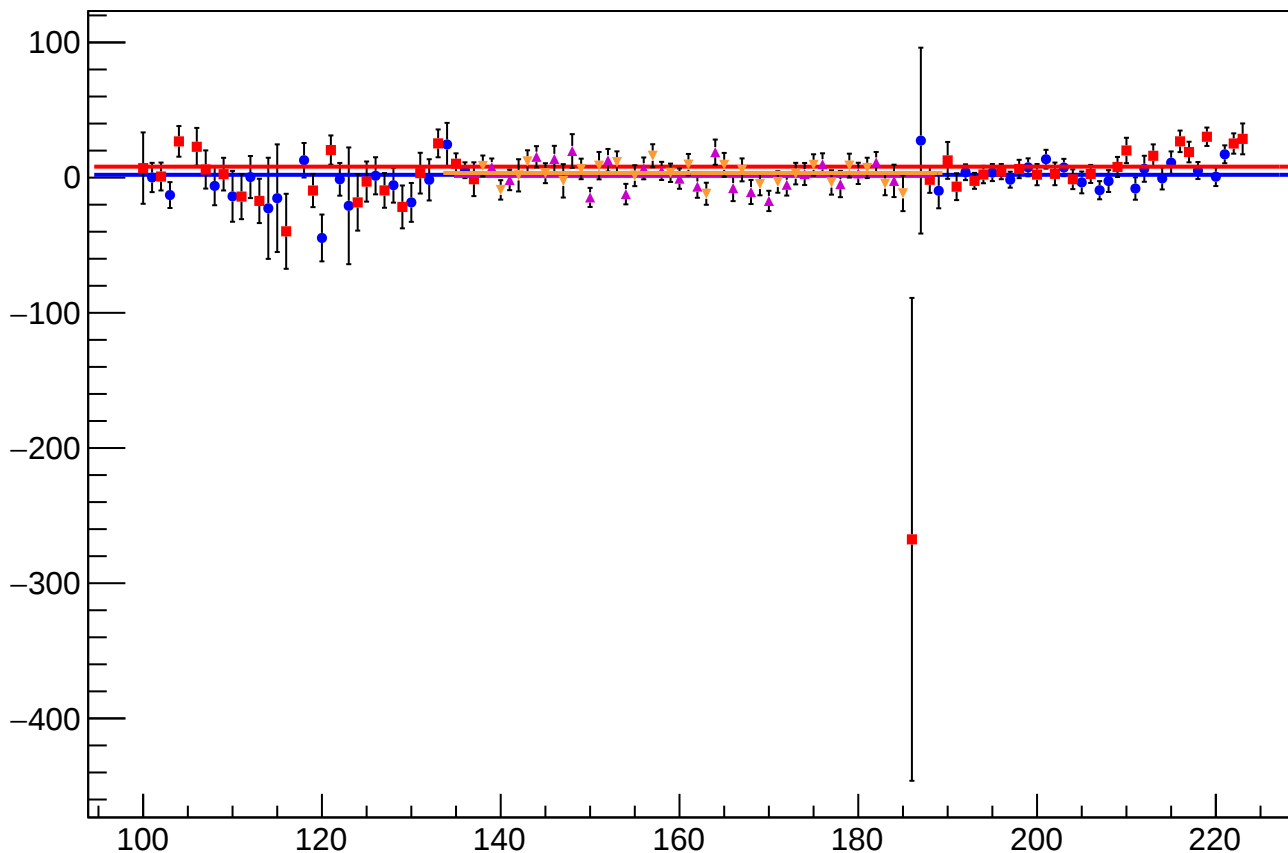
Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

+ sign 10826.502 $\pm$ 1.330 χ^2 /NDF: 10058065.8/59

All: 10953.228 $\pm$ 0.955 χ^2 /NDF: 20823155.2

- sign 11087.969 $\pm$ 1.371 χ^2 /NDF: 10746357.6/61

diff_bpm4acY_mean vs Slug



Right In: 2.092 ± 1.513 χ^2/NDF : 35.2/34

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 8.120 ± 1.505 χ^2/NDF : 68.7/38

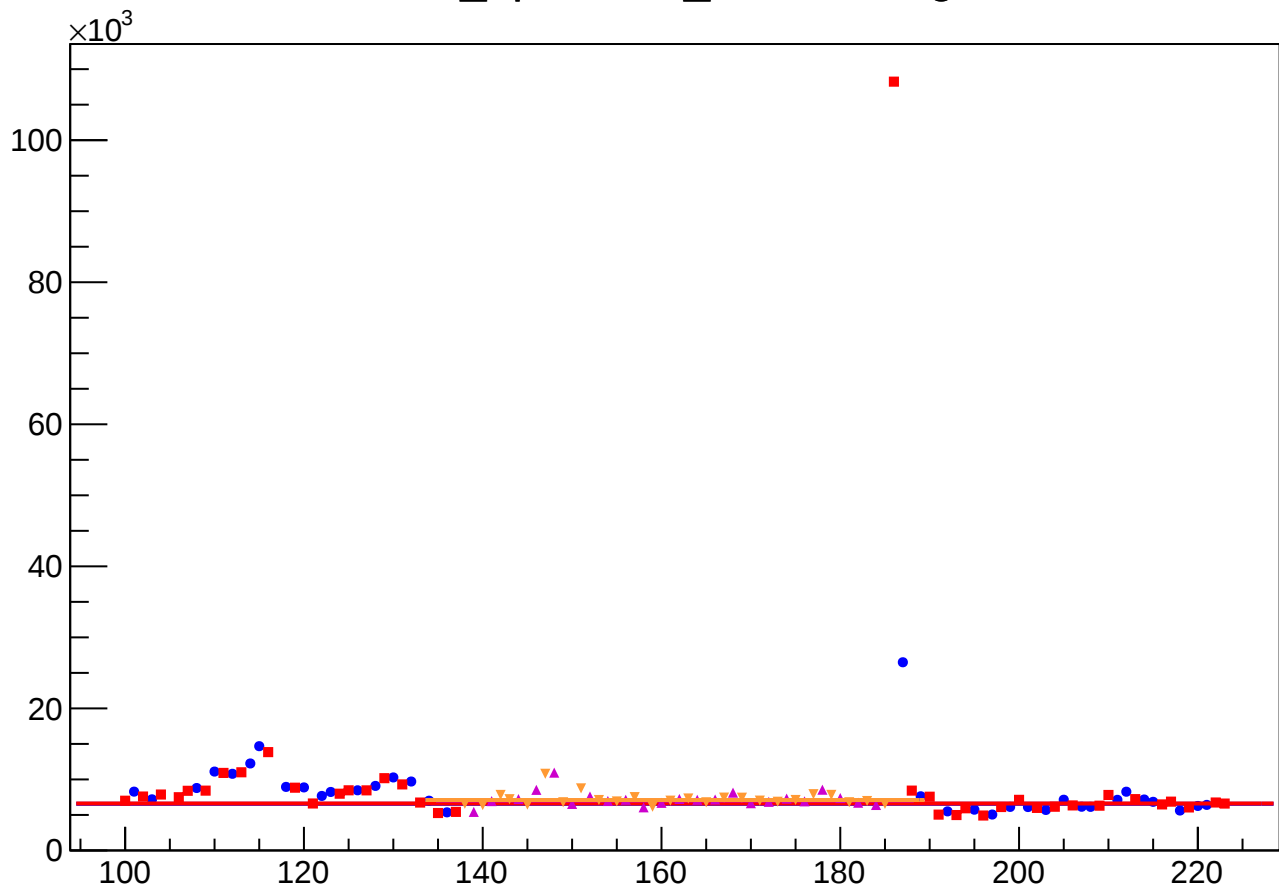
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.701 ± 1.120 χ^2/NDF : 54.4/59

All: 3.903 ± 0.794 χ^2/NDF : 171.0/121

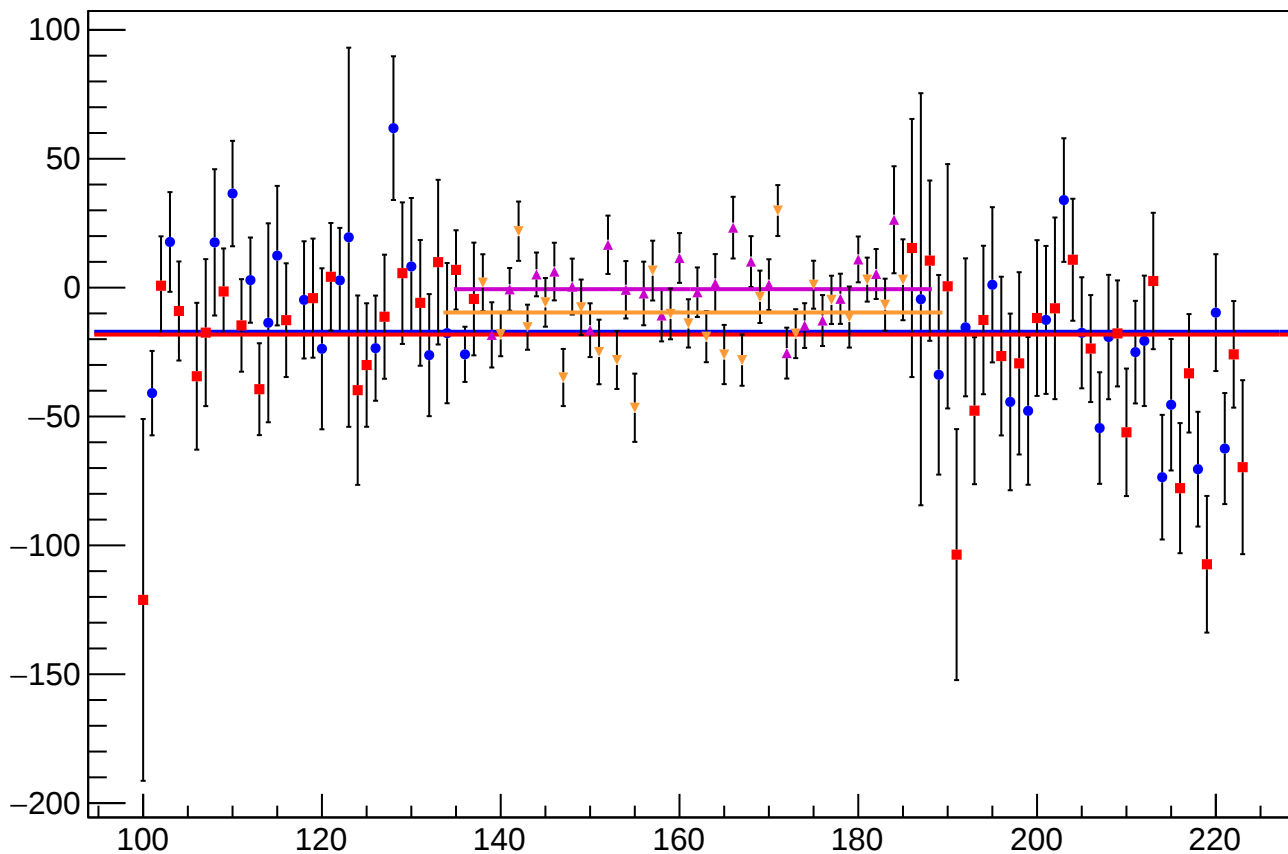
- sign 5.121 ± 1.127 χ^2/NDF : 114.3/61

diff_bpm4acY_rms vs Slug



Right In: 6566.597 $\pm$ 1.070	χ^2/NDF : 1669931.2/34	+ sign 6807.038 $\pm$ 0.792	χ^2/NDF : 2164314.8/59
Left Out: 7098.726 $\pm$ 1.178	χ^2/NDF : 382550.4/24	All: 6801.957 $\pm$ 0.562	χ^2/NDF : 4946059.3/12
Right Out: 6611.278 $\pm$ 1.064	χ^2/NDF : 2171446.5/38	- sign 6796.810 $\pm$ 0.797	χ^2/NDF : 2781661.6/61
Left In: 7033.702 $\pm$ 1.203	χ^2/NDF : 541035.5/22		

diff_bpm4ecX_mean vs Slug



Right In: -17.127 ± 3.891 χ^2/NDF : 54.8/34

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -18.208 ± 3.928 χ^2/NDF : 43.5/38

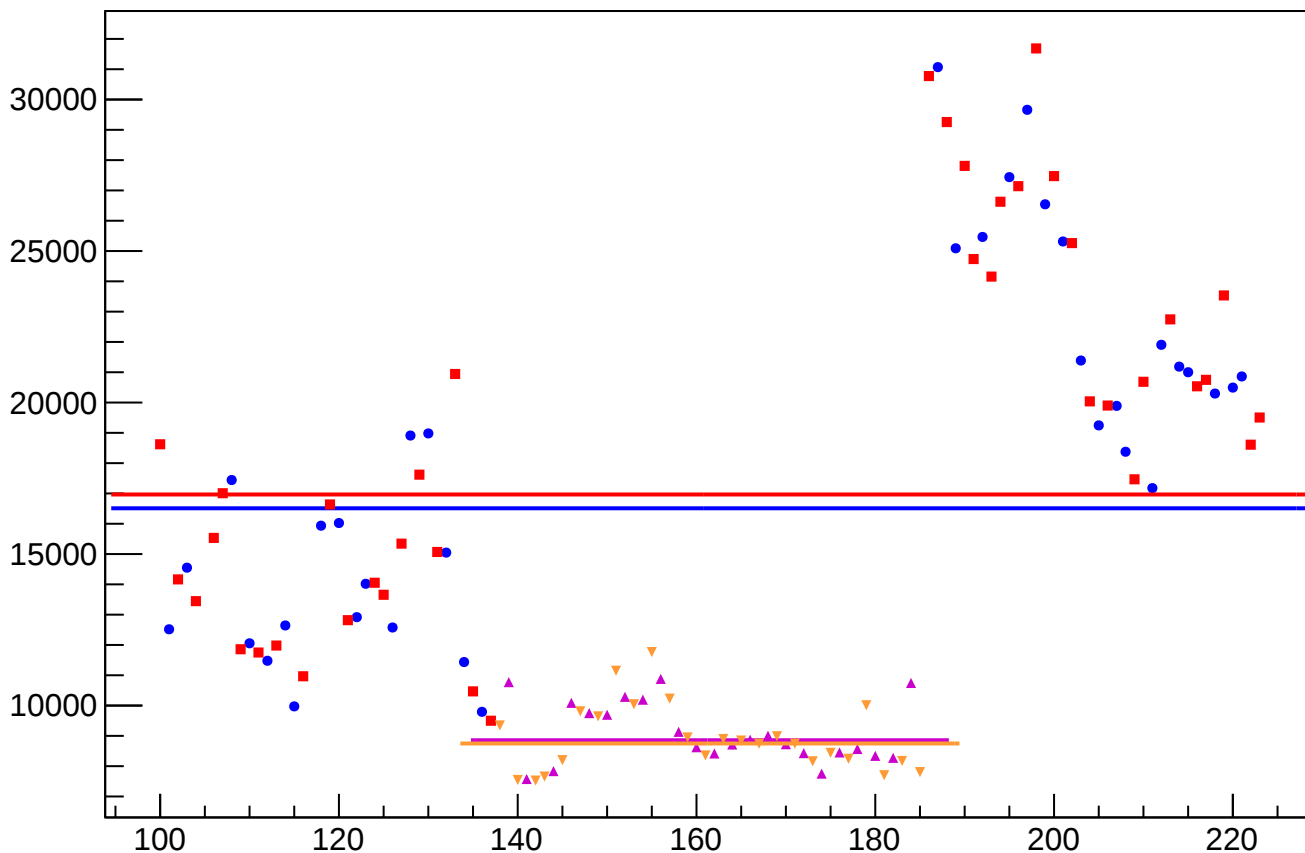
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -11.276 ± 1.819 χ^2/NDF : 115.4/59

All: -8.049 ± 1.306 χ^2/NDF : 210.5/121

- sign -4.615 ± 1.876 χ^2/NDF : 88.7/61

diff_bpm4ecX_rms vs Slug



Right In: 16510.279+/-2.751 χ^2/NDF : 3582095.9/34

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

+ sign 10444.231+/-1.286 χ^2/NDF : 10265599.3/59

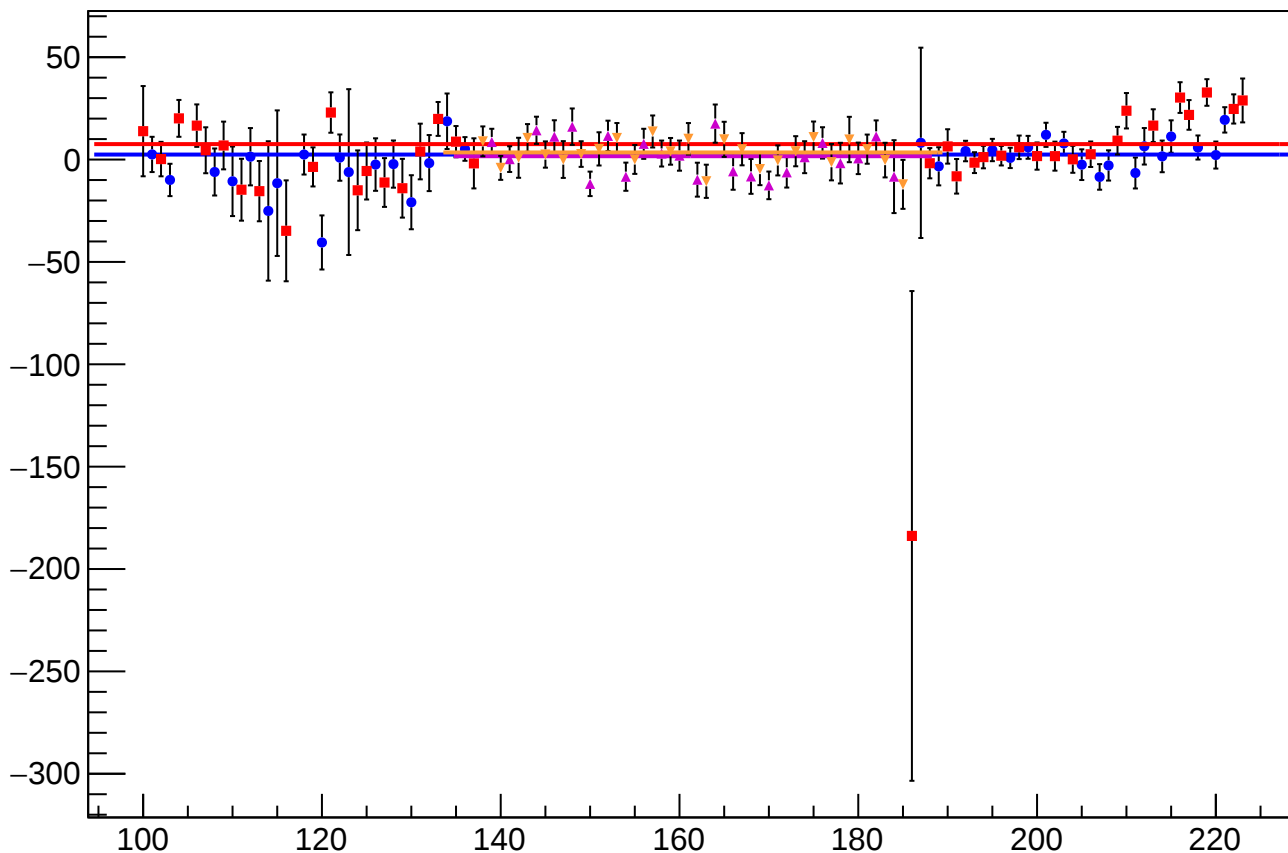
Right Out: 16965.808+/-2.778 χ^2/NDF : 3896774.3/38

All: 10570.618+/-0.923 χ^2/NDF : 21131041.2

- sign 10705.076+/-1.326 χ^2/NDF : 10845507.9/61

Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

diff_bpm4ecY_mean vs Slug



Right In: 2.441 ± 1.345 χ^2/NDF : 39.7/34

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 7.547 ± 1.321 χ^2/NDF : 84.6/38

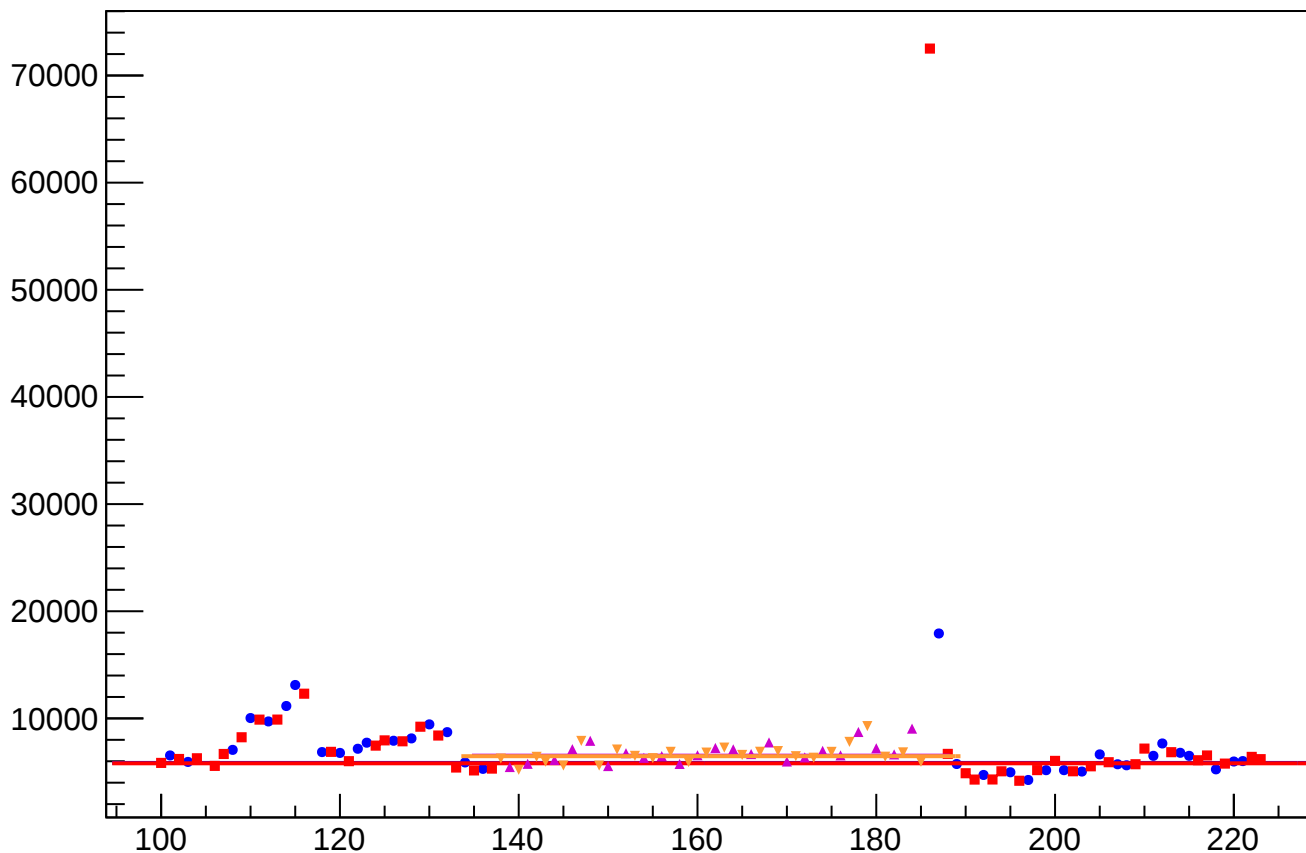
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.893 ± 1.009 χ^2/NDF : 55.7/59

All: 3.998 ± 0.715 χ^2/NDF : 184.7/121

- sign 5.112 ± 1.013 χ^2/NDF : 126.6/61

diff_bpm4ecY_rms vs Slug



Right In: 5842.838 $\pm$ 0.951 χ^2 /NDF: 1671545.9/34

Left Out: 6471.976 $\pm$ 1.078 χ^2 /NDF: 490282.9/24

Right Out: 5809.000 $\pm$ 0.934 χ^2 /NDF: 2268427.3/38

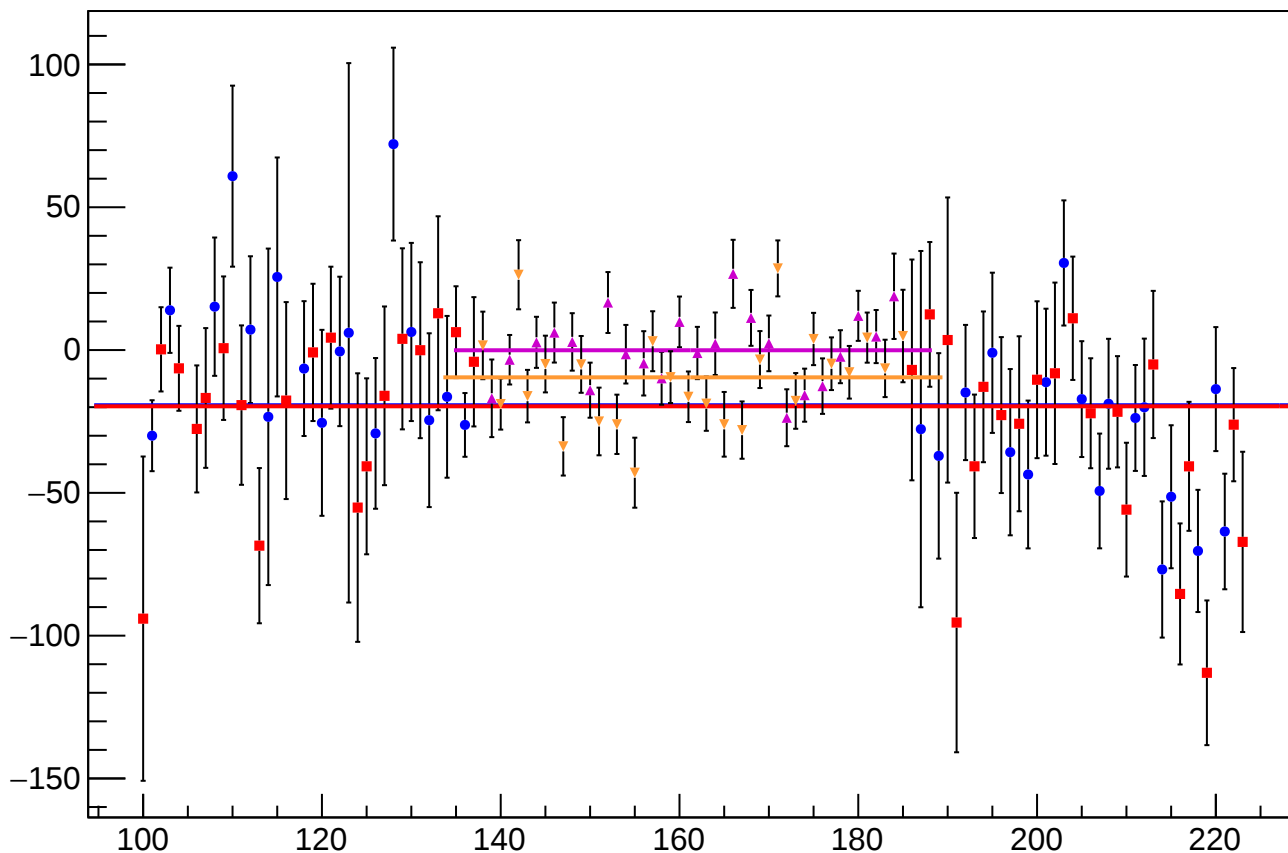
Left In: 6521.975 $\pm$ 1.116 χ^2 /NDF: 480034.7/22

+ sign 6118.333 $\pm$ 0.713 χ^2 /NDF: 2353343.0/59

All: 6110.623 $\pm$ 0.505 χ^2 /NDF: 5342090.3/12

- sign 6102.848 $\pm$ 0.716 χ^2 /NDF: 2988512.7/61

diff_bpm1X_mean vs Slug



Right In: -19.324 ± 3.893 $\chi^2/\text{NDF}: 53.3/34$

Left Out: -9.554 ± 2.012 $\chi^2/\text{NDF}: 59.5/24$

Right Out: -19.701 ± 3.978 $\chi^2/\text{NDF}: 50.4/38$

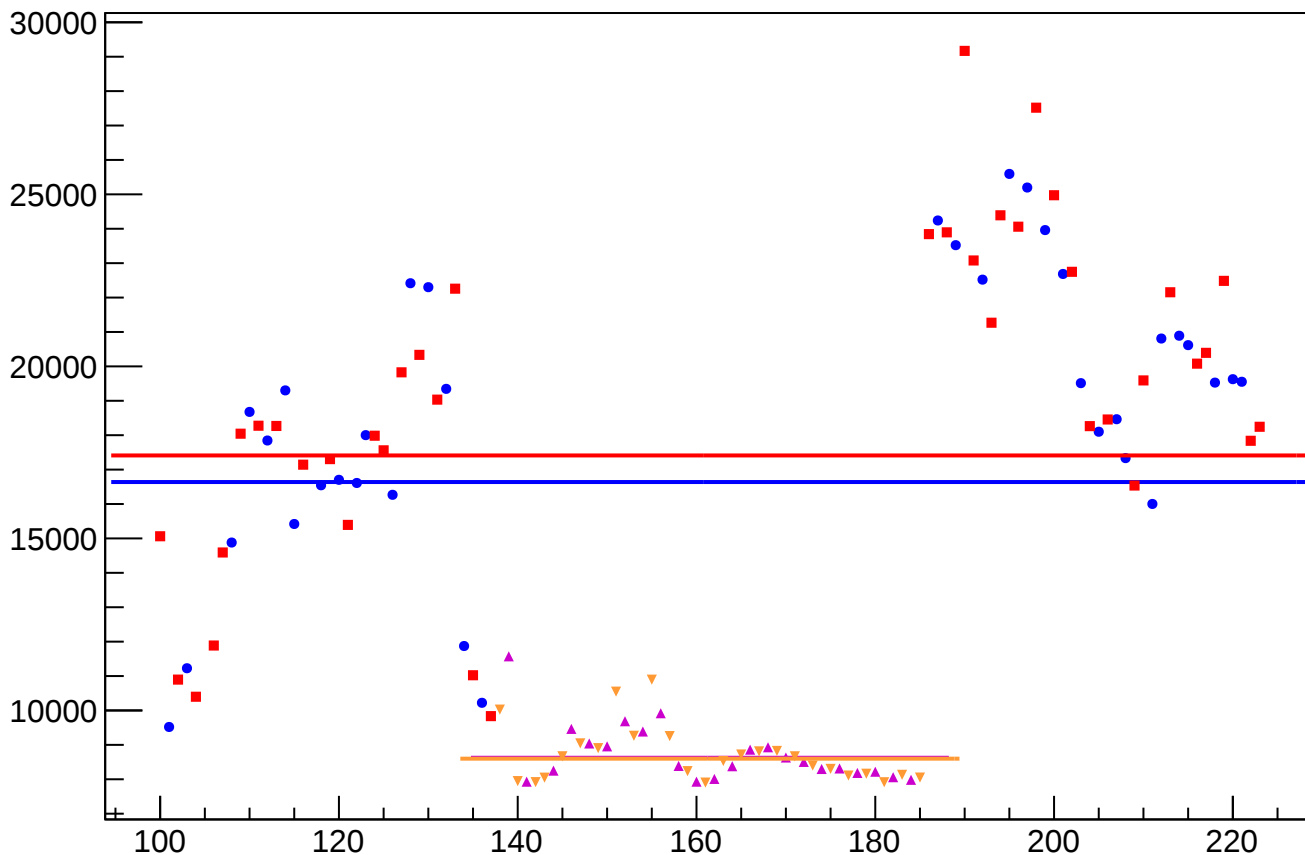
Left In: -0.072 ± 2.073 $\chi^2/\text{NDF}: 29.8/22$

+ sign -11.614 ± 1.787 $\chi^2/\text{NDF}: 117.8/59$

All: -8.041 ± 1.281 $\chi^2/\text{NDF}: 225.4/121$

- sign -4.262 ± 1.838 $\chi^2/\text{NDF}: 99.3/61$

diff_bpm1X_rms vs Slug



Right In: 16638.793 $\pm$ 2.753 χ^2 /NDF: 3037592.6/34

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 17411.573 $\pm$ 2.813 χ^2 /NDF: 2921707.5/38

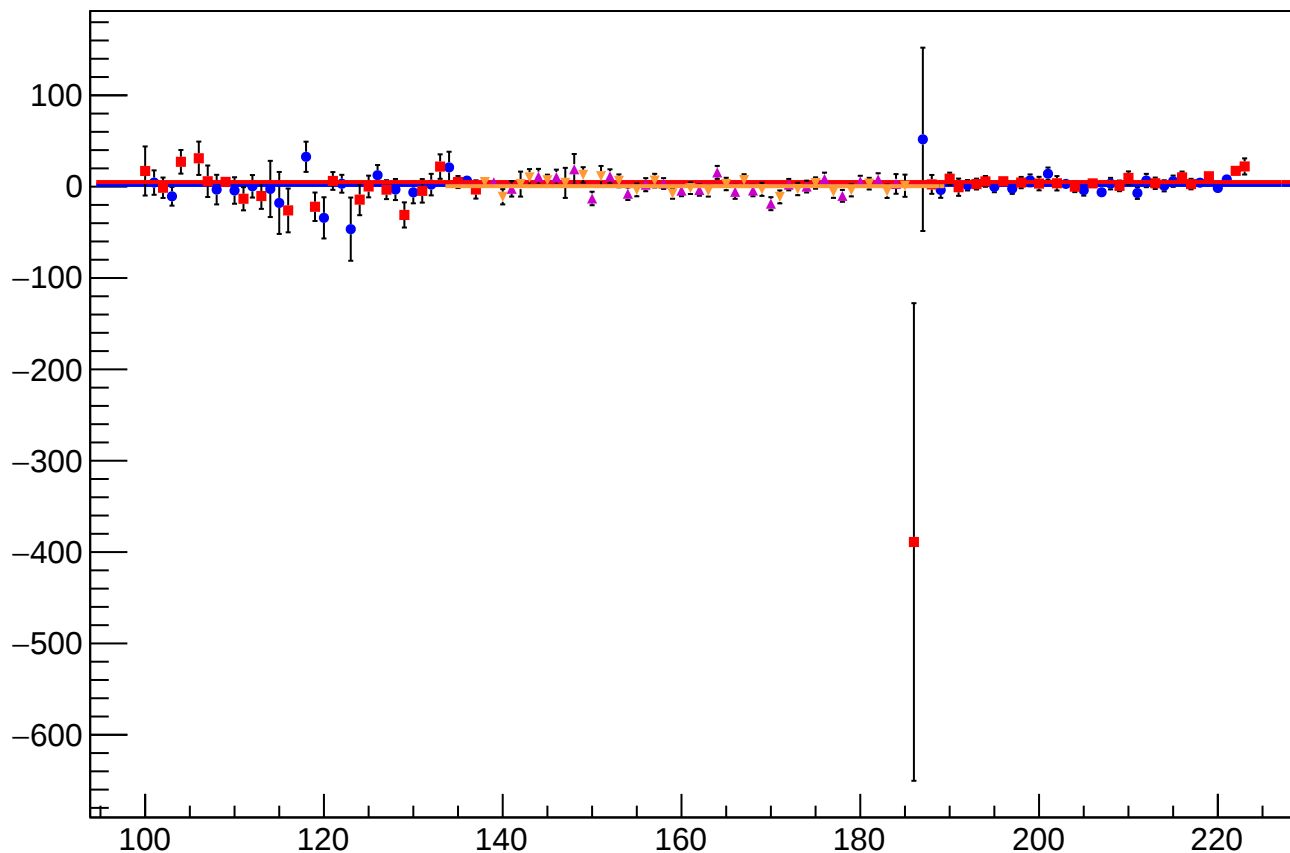
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 10293.688 $\pm$ 1.264 χ^2 /NDF: 10019799.5/59

All: 10394.451 $\pm$ 0.906 χ^2 /NDF: 20864486.5

- sign 10501.048 $\pm$ 1.300 χ^2 /NDF: 10831603.9/61

diff_bpm1Y_mean vs Slug



Right In: 1.877 ± 1.283 χ^2/NDF : 27.3/34

Left Out: 0.528 ± 1.418 χ^2/NDF : 19.5/24

Right Out: 5.054 ± 1.245 χ^2/NDF : 41.3/38

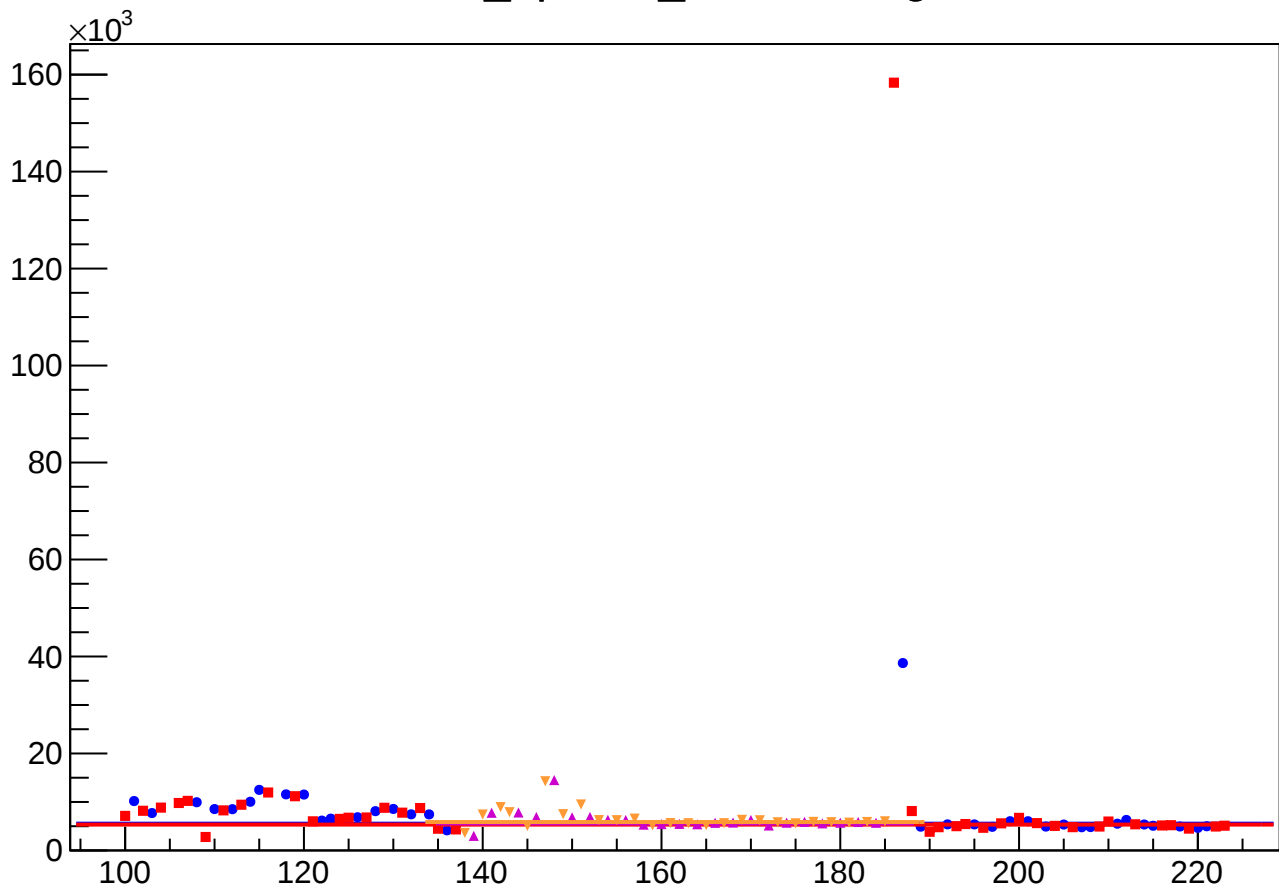
Left In: 1.050 ± 1.396 χ^2/NDF : 32.5/22

+ sign 1.270 ± 0.951 χ^2/NDF : 47.3/59

All: 2.298 ± 0.665 χ^2/NDF : 128.0/121

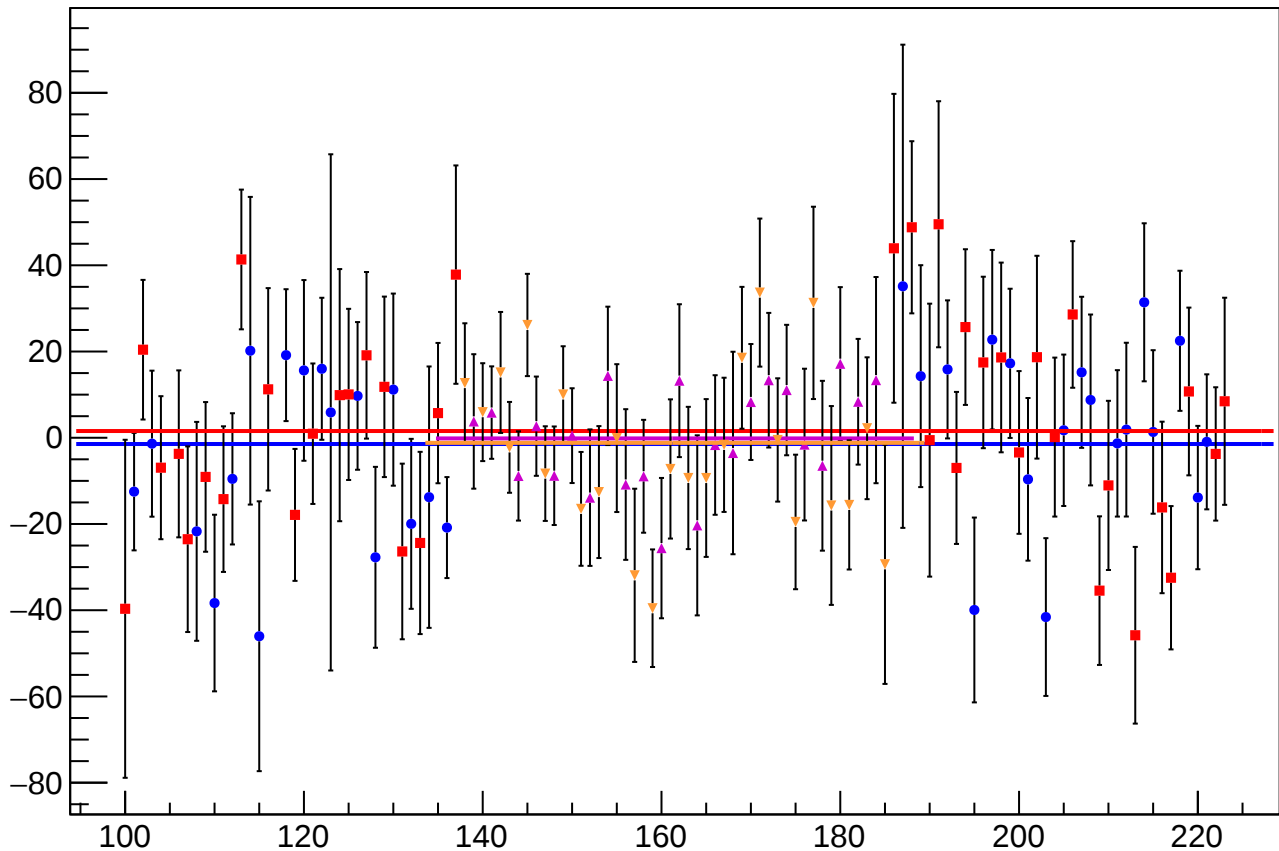
- sign 3.279 ± 0.929 χ^2/NDF : 78.4/61

diff_bpm1Y_rms vs Slug



Right In: 5524.054+/-0.907	χ^2/NDF : 2257198.4/34	+ sign 5675.615+/-0.673	χ^2/NDF : 4009207.3/59
Left Out: 5860.605+/-1.002	χ^2/NDF : 1690049.2/24	All: 5554.375+/-0.470	χ^2/NDF : 9810277.9/12
Right Out: 5333.121+/-0.881	χ^2/NDF : 3542370.8/38	- sign 5438.718+/-0.657	χ^2/NDF : 5737599.0/61
Left In: 5571.330+/-0.987	χ^2/NDF : 2162788.3/22		

diff_bpm11X_mean vs Slug



Right In: -1.451 ± 3.167 χ^2/NDF : 36.8/34

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 1.561 ± 3.123 χ^2/NDF : 52.1/38

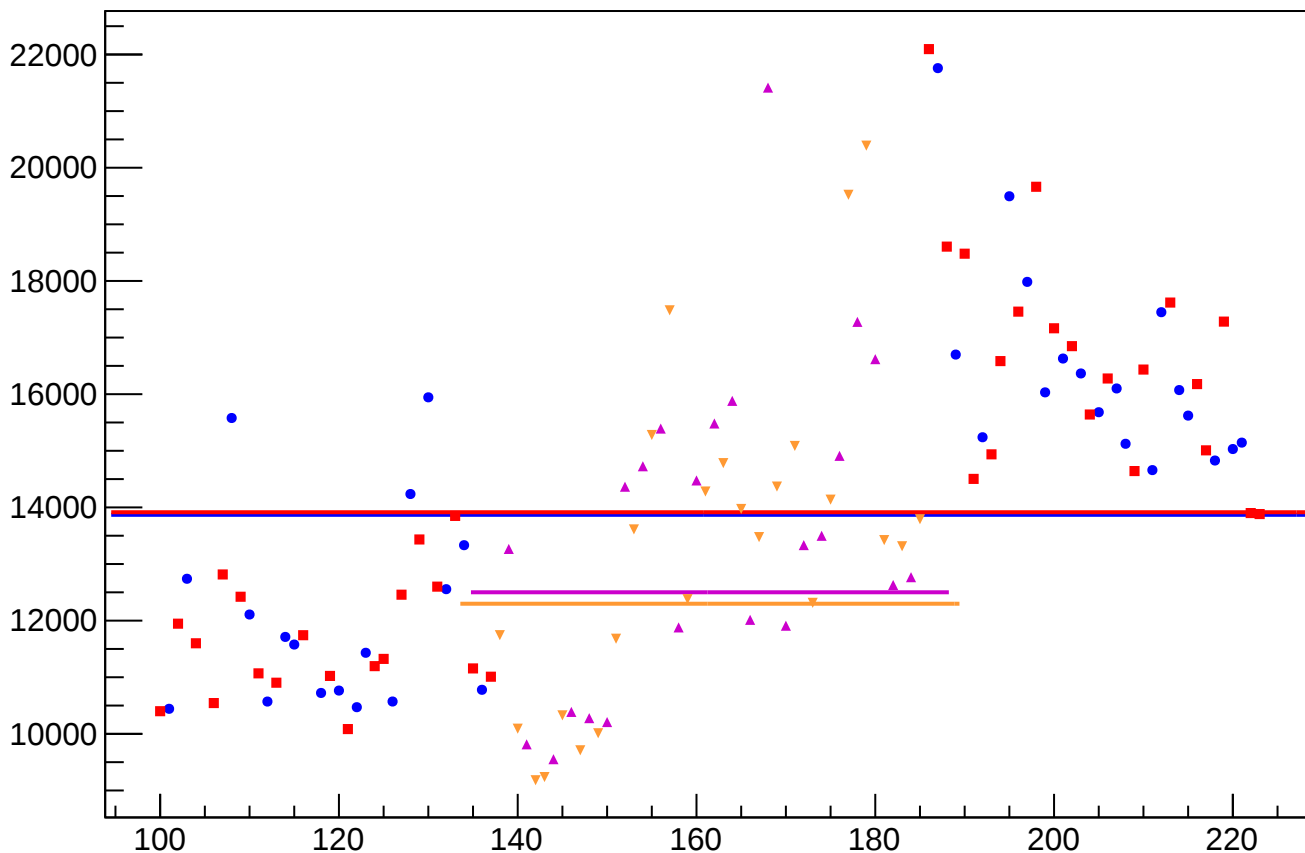
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -1.307 ± 2.154 χ^2/NDF : 70.5/59

All: -0.326 ± 1.534 χ^2/NDF : 134.7/121

- sign 0.684 ± 2.185 χ^2/NDF : 63.7/61

diff_bpm11X_rms vs Slug



Right In: 13869.226+/-2.240 χ^2/NDF : 1340287.2/34

Left Out: 12298.676+/-2.078 χ^2/NDF : 1506026.8/24

Right Out: 13914.737+/-2.208 χ^2/NDF : 1496899.0/38

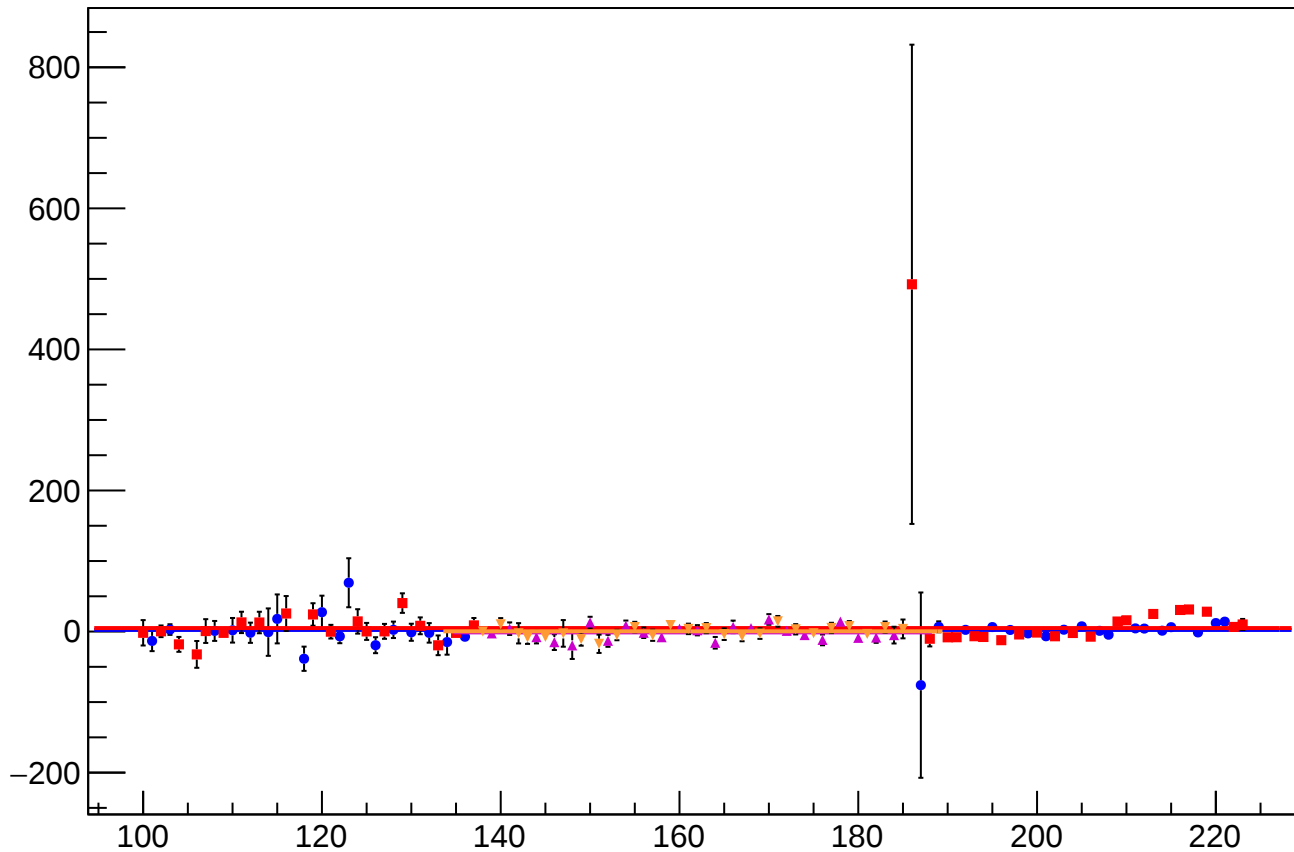
Left In: 12500.795+/-2.162 χ^2/NDF : 1357889.1/22

+ sign 13025.267+/-1.523 χ^2/NDF : 3110565.4/59

All: 13107.911+/-1.085 χ^2/NDF : 6180621.3/100

- sign 13192.921+/-1.545 χ^2/NDF : 3064085.0/61

diff_bpm11Y_mean vs Slug



Right In: 2.288 ± 1.067 χ^2/NDF : 42.9/34

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: 4.940 ± 1.074 χ^2/NDF : 180.2/38

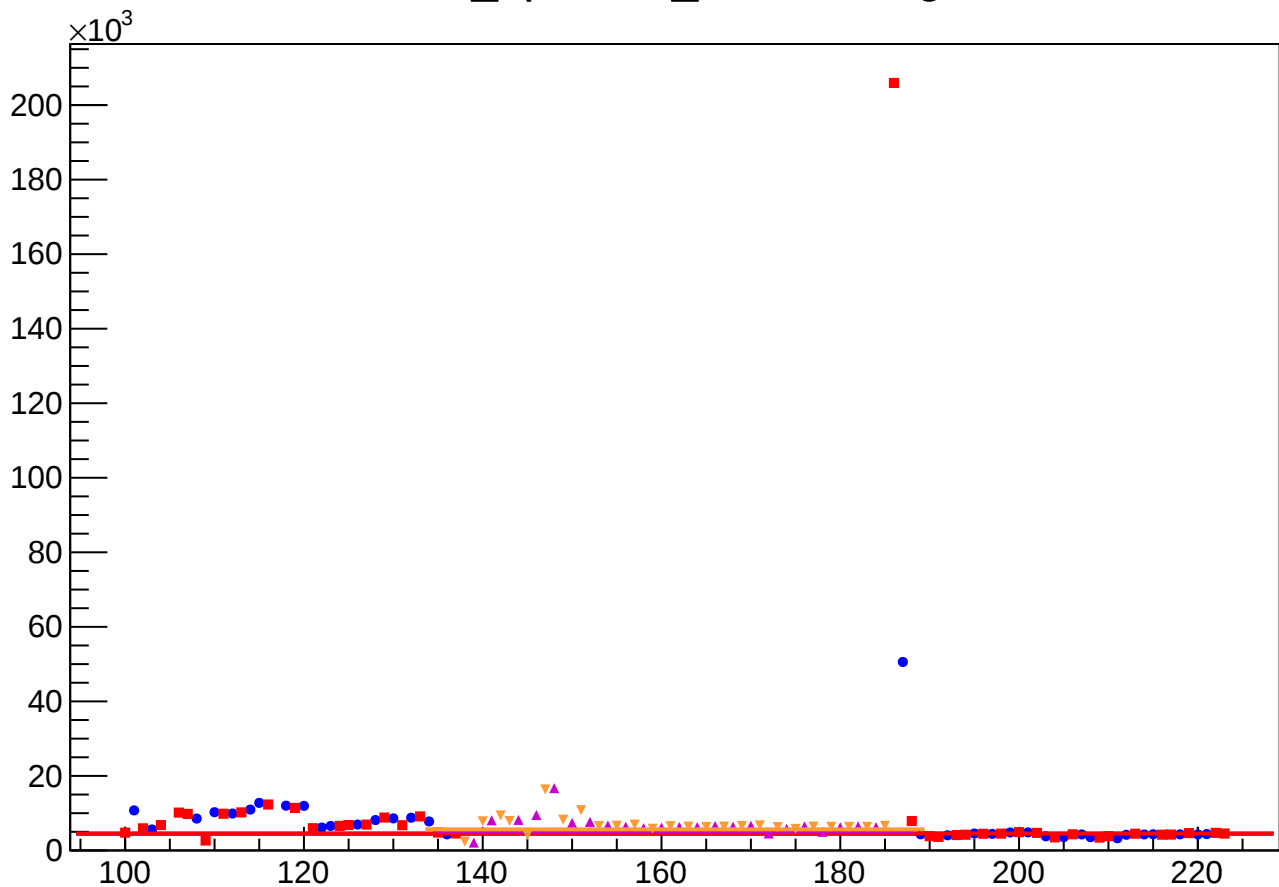
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 1.599 ± 0.856 χ^2/NDF : 63.2/59

All: 2.115 ± 0.602 χ^2/NDF : 290.0/121

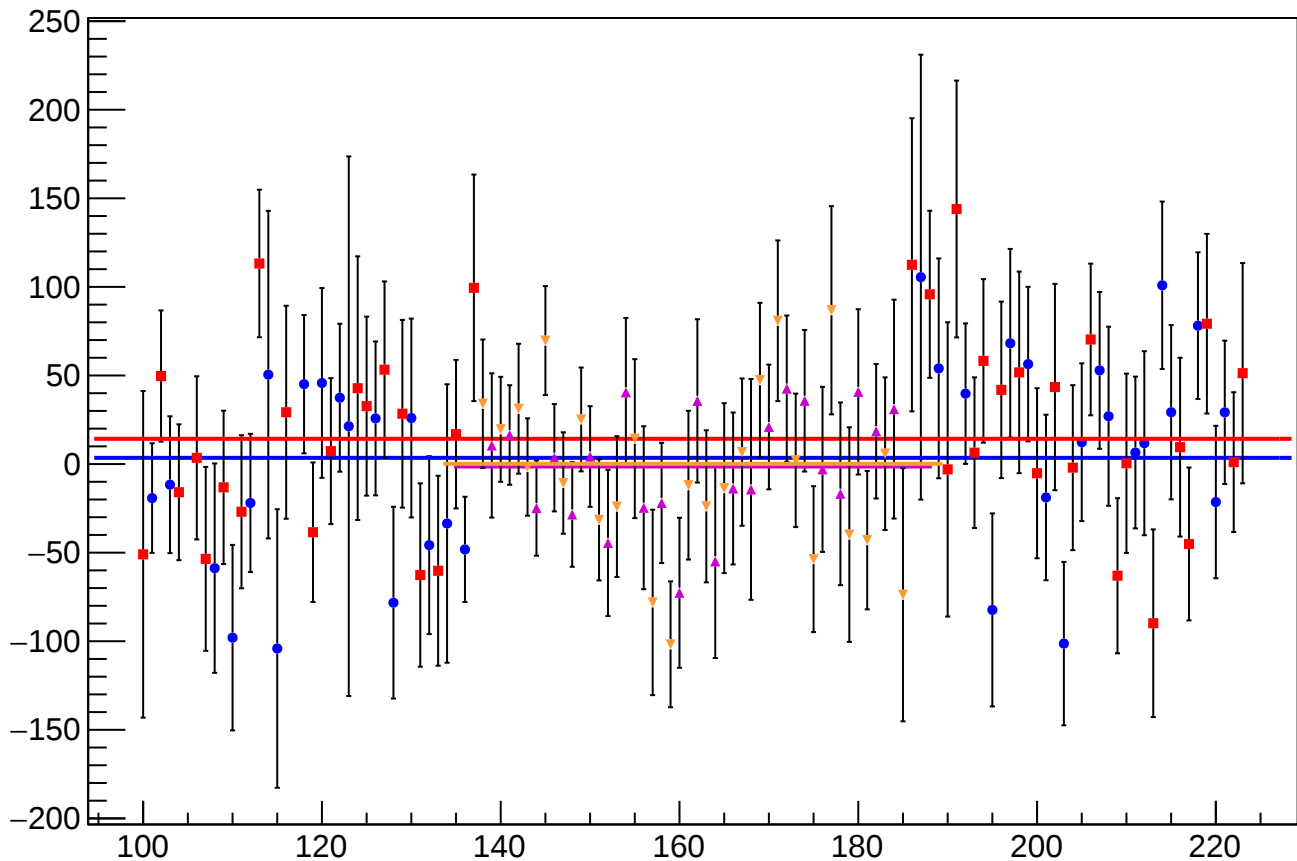
- sign 2.618 ± 0.846 χ^2/NDF : 226.1/61

diff_bpm11Y_rms vs Slug



Right In: 4506.817+/-0.754	χ^2/NDF : 3453828.3/34	+ sign 4917.610+/-0.605	χ^2/NDF : 8414727.6/59
Left Out: 5659.441+/-1.014	χ^2/NDF : 4128583.6/24	All: 4841.373+/-0.425	χ^2/NDF : 18154370.9/1
Right Out: 4539.322+/-0.760	χ^2/NDF : 3976634.2/38	- sign 4766.911+/-0.598	χ^2/NDF : 9708264.7/61
Left In: 5137.772+/-0.970	χ^2/NDF : 5495609.7/22		

diff_bpm12X_mean vs Slug



Right In: 3.520 ± 7.948 $\chi^2/\text{NDF}: 40.5/34$

Left Out: 0.143 ± 7.683 $\chi^2/\text{NDF}: 31.3/24$

Right Out: 14.266 ± 7.836 $\chi^2/\text{NDF}: 42.2/38$

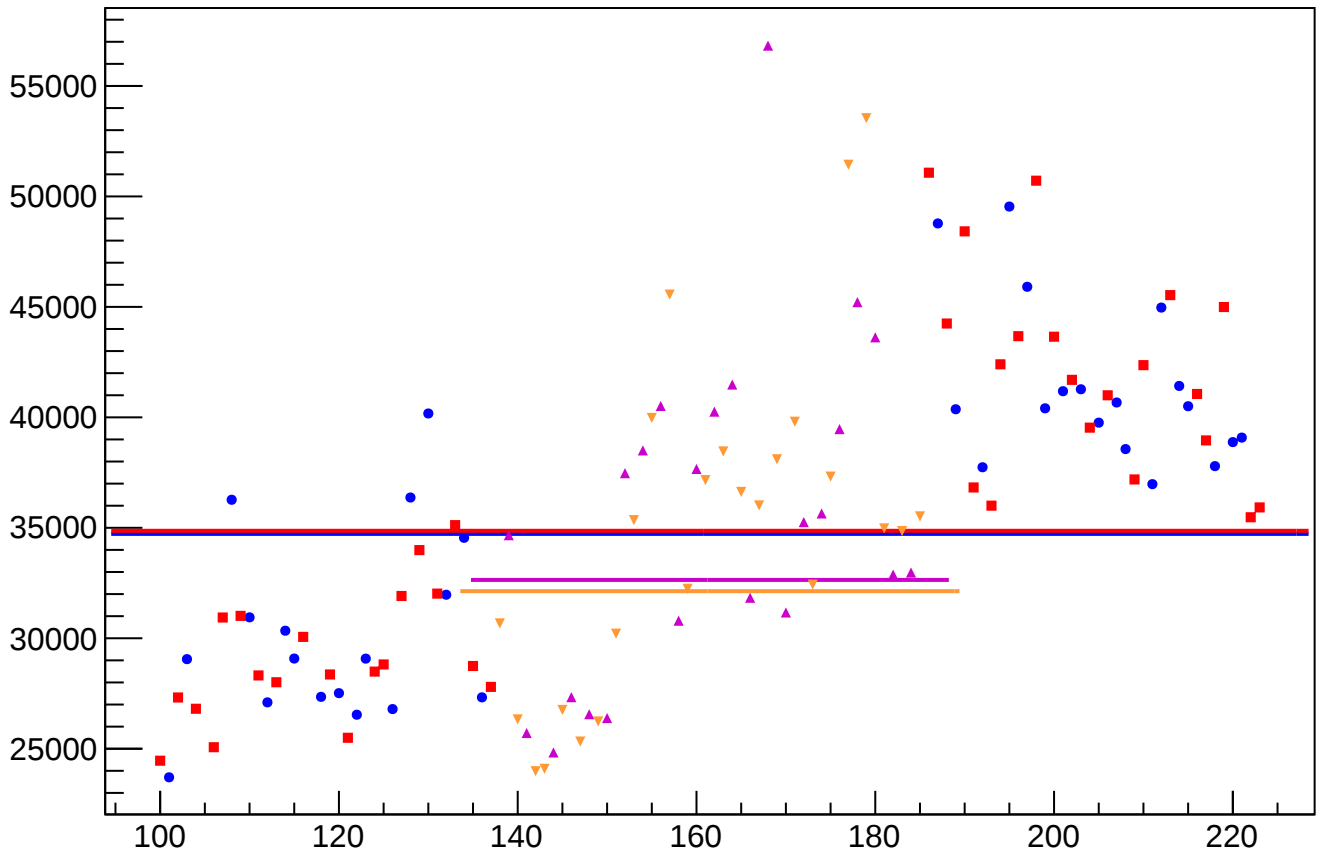
Left In: -1.374 ± 7.990 $\chi^2/\text{NDF}: 13.3/22$

+ sign 1.774 ± 5.524 $\chi^2/\text{NDF}: 71.9/59$

All: 4.156 ± 3.931 $\chi^2/\text{NDF}: 129.7/121$

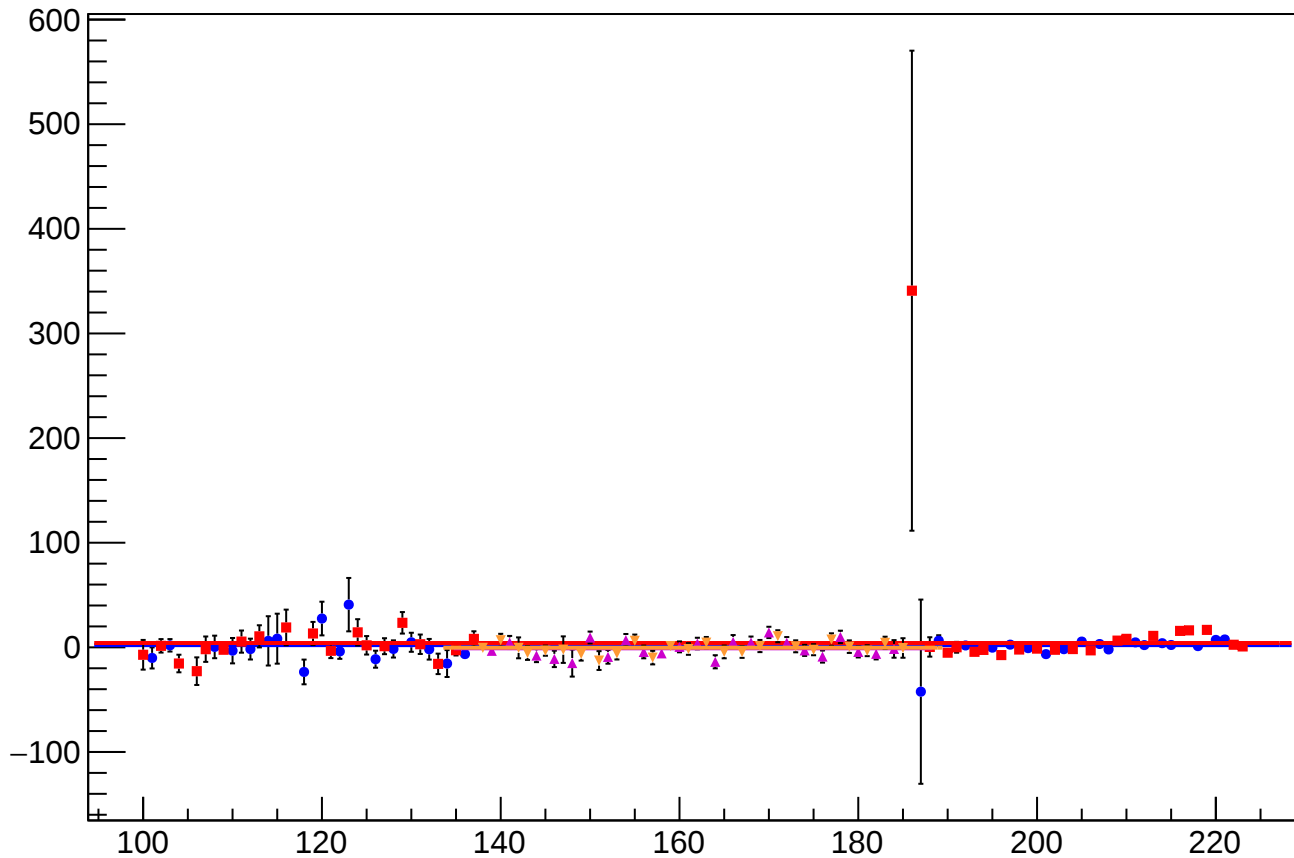
- sign 6.599 ± 5.595 $\chi^2/\text{NDF}: 57.4/61$

diff_bpm12X_rms vs Slug



Right In: 34725.480+/-5.620	χ^2/NDF : 1484048.3/34	+ sign 33384.957+/-3.906	χ^2/NDF : 3134179.2/59
Left Out: 32132.314+/-5.433	χ^2/NDF : 1540079.4/24	All: 33577.397+/-2.780	χ^2/NDF : 6228569.2/1
Right Out: 34864.932+/-5.541	χ^2/NDF : 1608341.8/38	- sign 33774.769+/-3.956	χ^2/NDF : 3089473.6/61
Left In: 32641.162+/-5.650	χ^2/NDF : 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: 2.123 ± 0.602 χ^2/NDF : 52.6/34

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: 4.148 ± 0.632 χ^2/NDF : 171.2/38

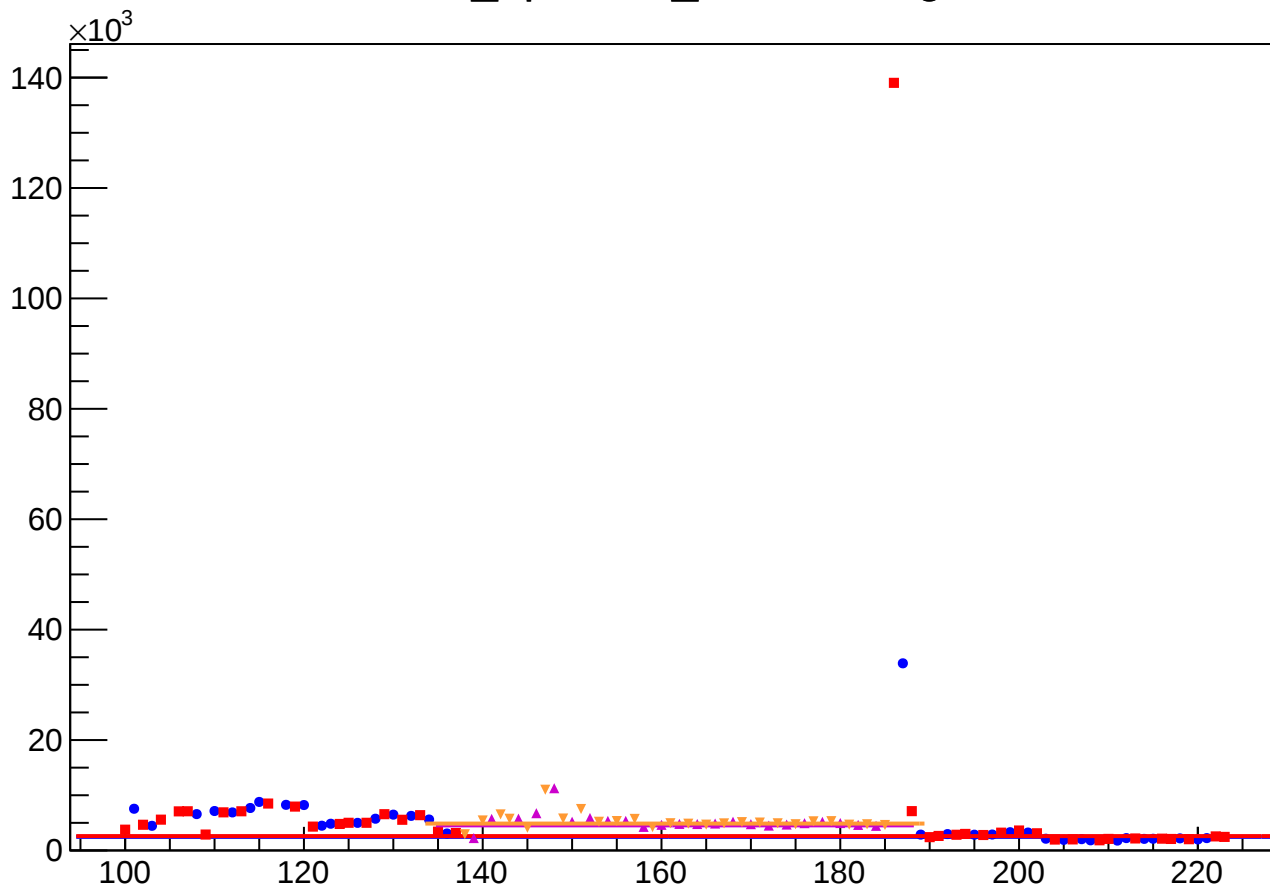
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign 1.614 ± 0.535 χ^2/NDF : 73.7/59

All: 2.268 ± 0.385 χ^2/NDF : 299.2/121

- sign 2.964 ± 0.553 χ^2/NDF : 222.4/61

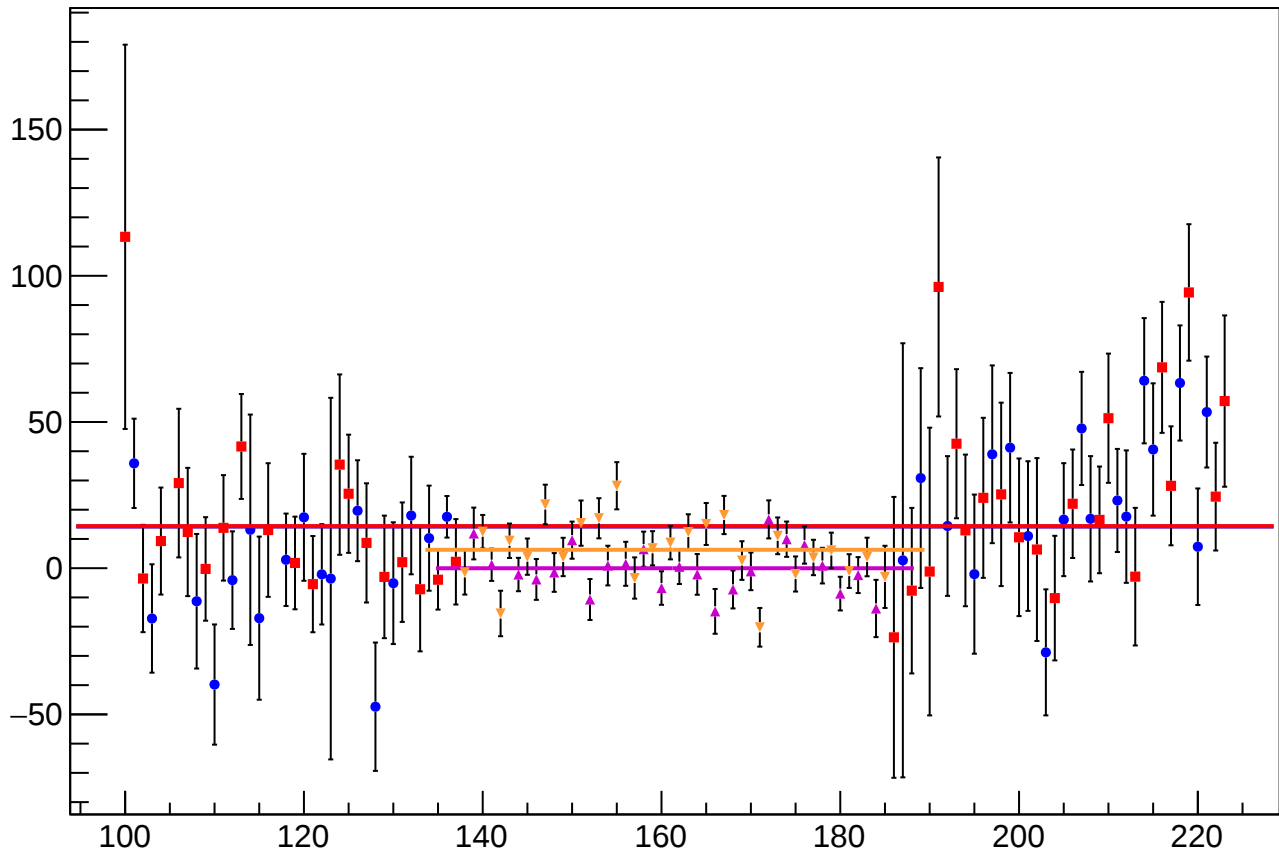
diff_bpm12Y_rms vs Slug



Right In: 2464.517 ± 0.426 χ^2/NDF : 5668648.1/34
 Left Out: 4868.567 ± 0.829 χ^2/NDF : 1511151.0/24
 Right Out: 2600.163 ± 0.447 χ^2/NDF : 6209857.1/38
 Left In: 4544.337 ± 0.808 χ^2/NDF : 2634314.4/22

+ sign 2966.533 ± 0.379 χ^2/NDF : 13841330.3/59
 All: 3009.580 ± 0.272 χ^2/NDF : 27149841.6/1
 - sign 3055.455 ± 0.391 χ^2/NDF : 13281806.9/61

diff_bpm16X_mean vs Slug



Right In: 14.258 ± 3.248 $\chi^2/\text{NDF}: 53.2/34$

Left Out: 6.296 ± 1.310 $\chi^2/\text{NDF}: 56.5/24$

Right Out: 14.373 ± 3.361 $\chi^2/\text{NDF}: 47.2/38$

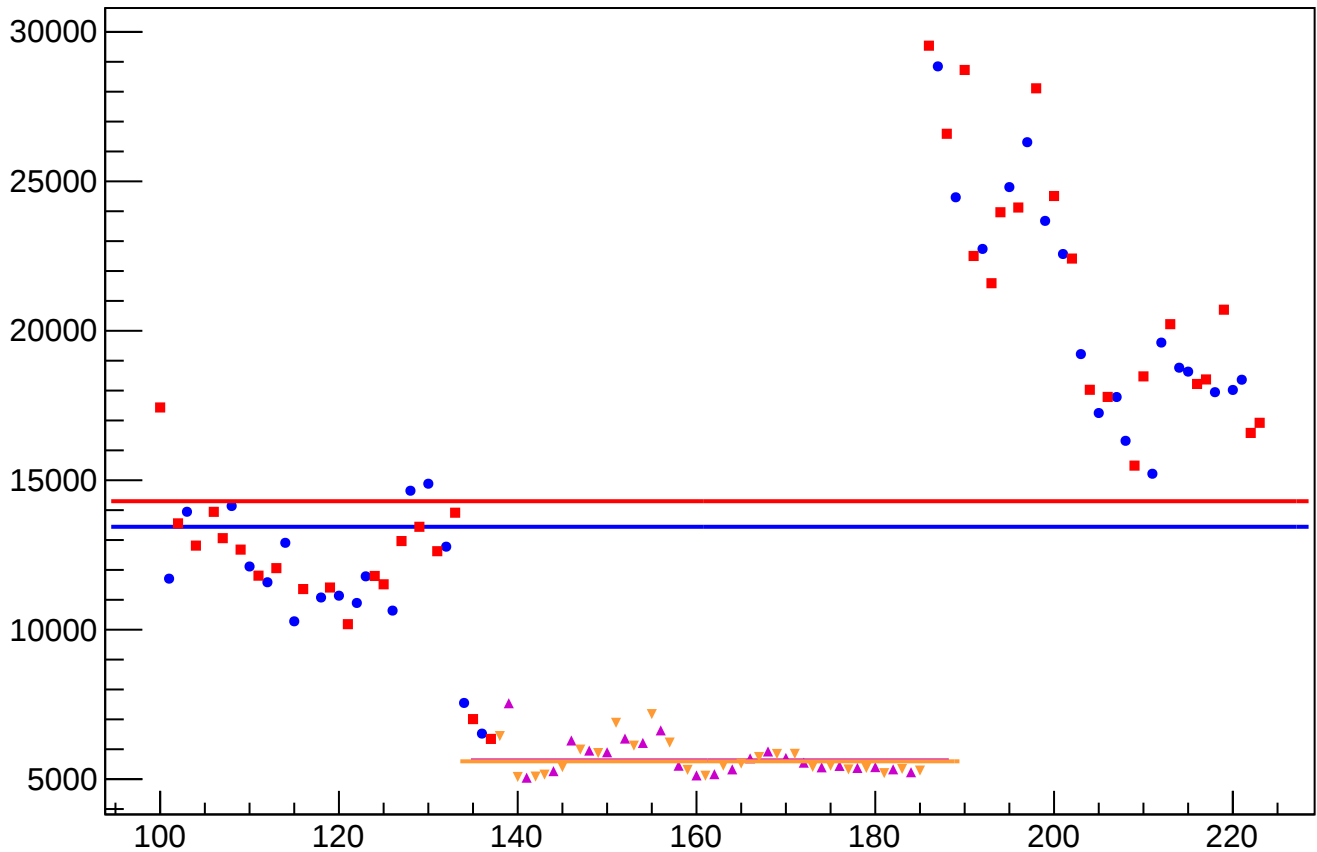
Left In: -0.020 ± 1.353 $\chi^2/\text{NDF}: 29.9/22$

+ sign 7.410 ± 1.215 $\chi^2/\text{NDF}: 114.9/59$

All: 4.787 ± 0.873 $\chi^2/\text{NDF}: 217.5/121$

- sign 1.987 ± 1.255 $\chi^2/\text{NDF}: 92.9/61$

diff_bpm16X_rms vs Slug



Right In: 13443.027+/-2.296 χ^2/NDF : 5321840.5/34

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 14298.628+/-2.376 χ^2/NDF : 5031614.2/38

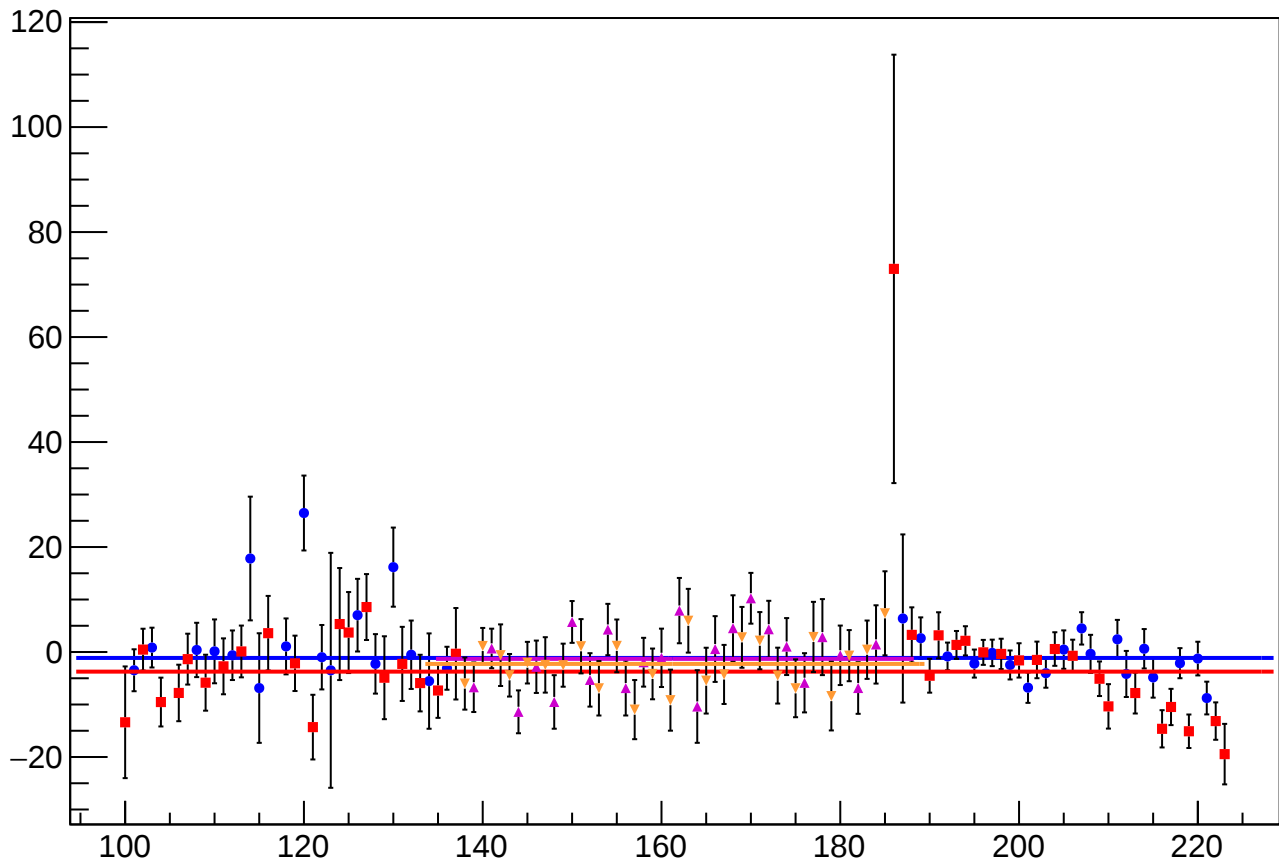
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6694.643+/-0.859 χ^2/NDF : 15646474.1/59

All: 6763.397+/-0.617 χ^2/NDF : 32427573.9/100

- sign 6836.767+/-0.888 χ^2/NDF : 16767862.0/61

diff_bpm16Y_mean vs Slug



Right In: -1.128 ± 0.669 χ^2/NDF : 44.8/34

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -3.736 ± 0.663 χ^2/NDF : 82.9/38

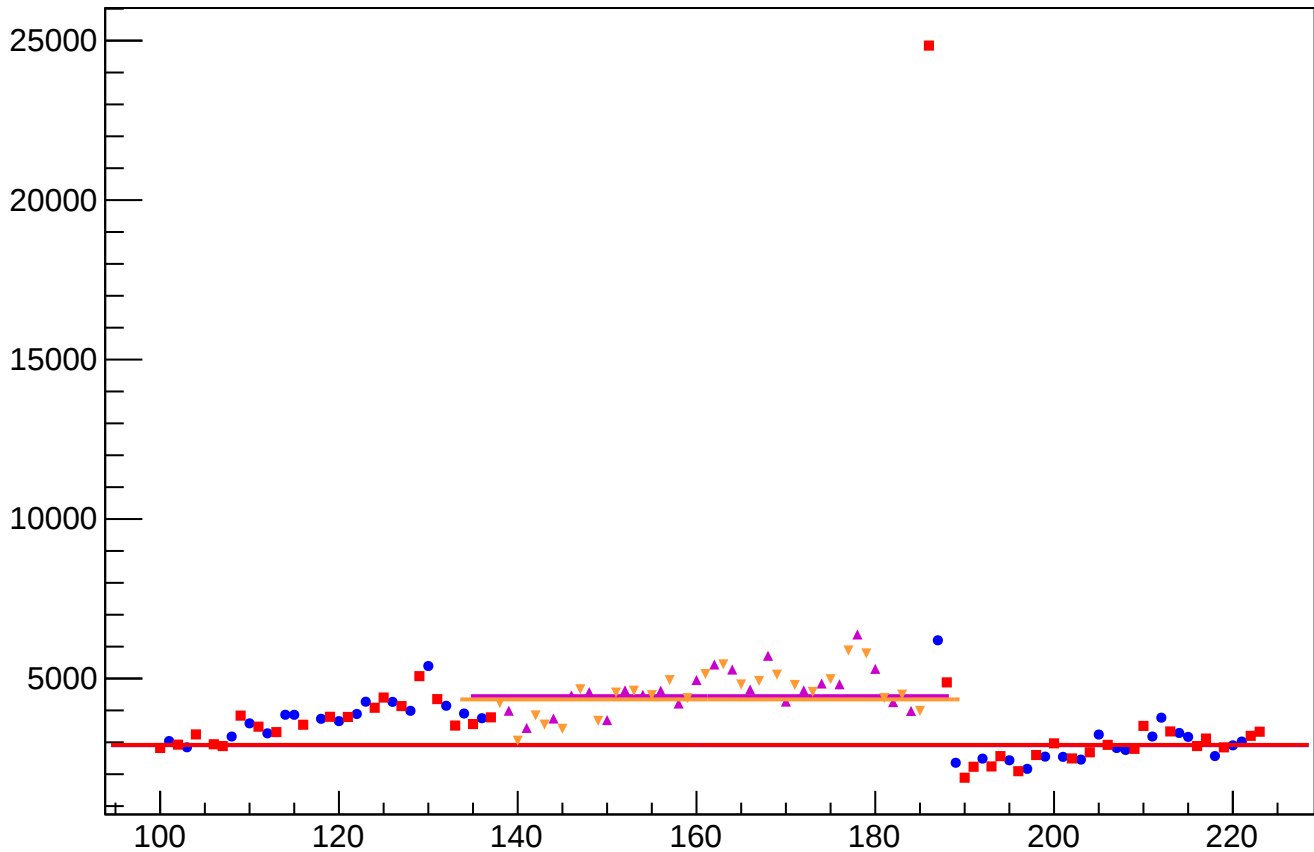
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.466 ± 0.561 χ^2/NDF : 61.0/59

All: -2.262 ± 0.398 χ^2/NDF : 182.5/121

- sign -3.068 ± 0.564 χ^2/NDF : 117.4/61

diff_bpm16Y_rms vs Slug



Right In: 2910.744+/-0.473 χ^2/NDF : 1451655.4/34

Left Out: 4345.381+/-0.728 χ^2/NDF : 1000636.1/24

Right Out: 2918.232+/-0.469 χ^2/NDF : 2371283.4/38

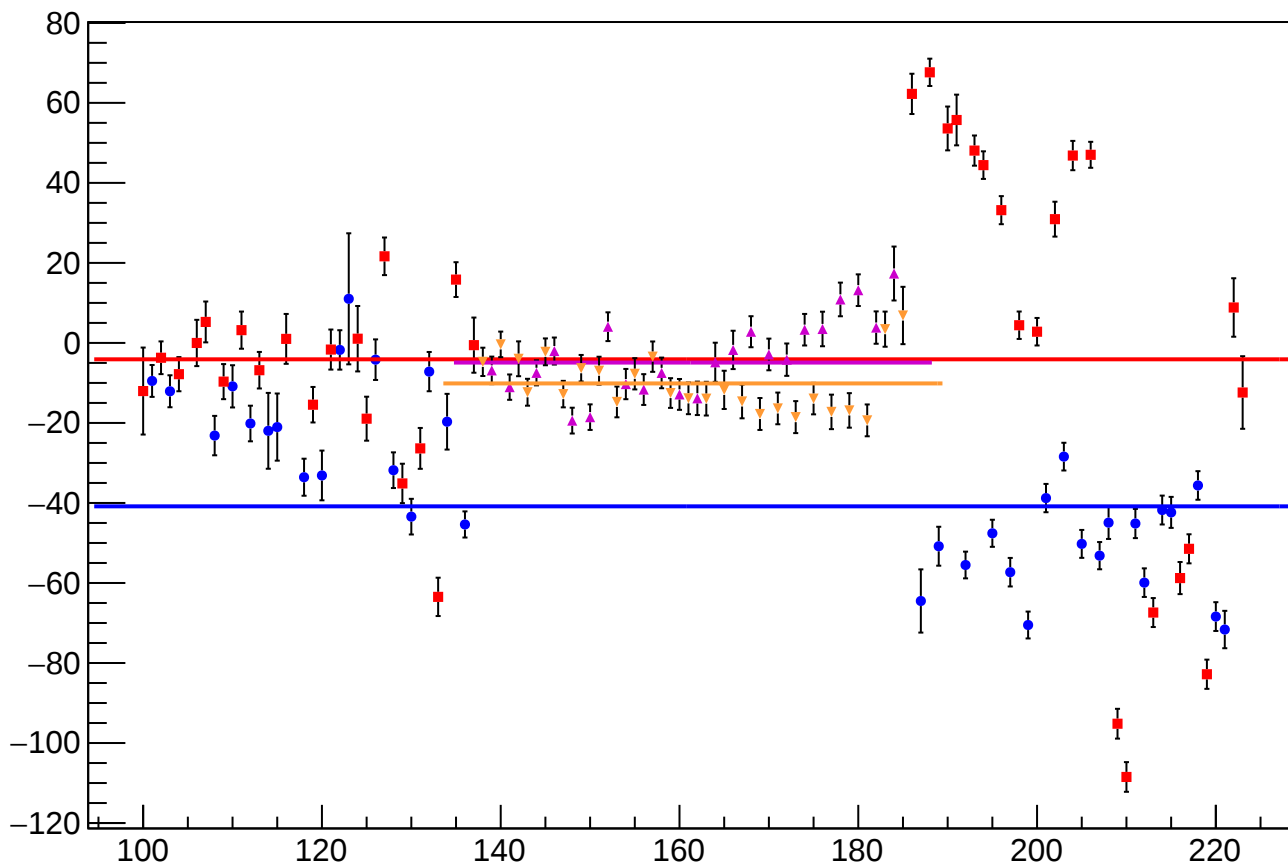
Left In: 4446.181+/-0.762 χ^2/NDF : 702797.6/22

+ sign 3336.331+/-0.396 χ^2/NDF : 5184319.2/59

All: 3337.101+/-0.281 χ^2/NDF : 11177992.8/1

- sign 3337.882+/-0.399 χ^2/NDF : 5993666.0/61

diff_bpm0l01X_mean vs Slug



Right In: -40.846 ± 0.710 χ^2/NDF : 686.6/34

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: -4.098 ± 0.704 χ^2/NDF : 4641.8/38

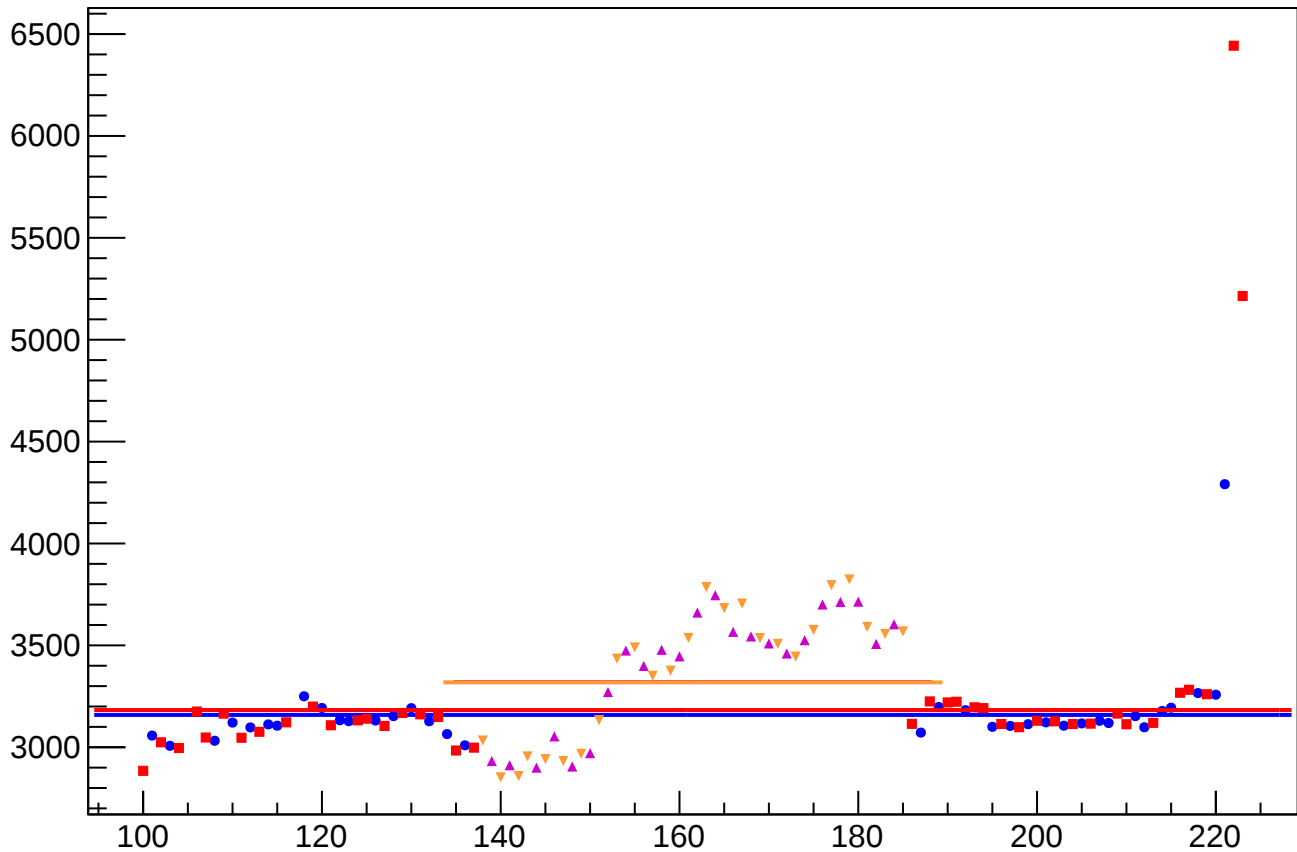
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -26.837 ± 0.524 χ^2/NDF : 1608.4/59

All: -15.728 ± 0.372 χ^2/NDF : 7285.6/121

- sign -4.454 ± 0.527 χ^2/NDF : 4770.3/61

diff_bpm0l01X_rms vs Slug



Right In: 3158.765 $\pm$ 0.502 χ^2 /NDF: 136533.2/34

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3182.656 $\pm$ 0.497 χ^2 /NDF: 527948.5/38

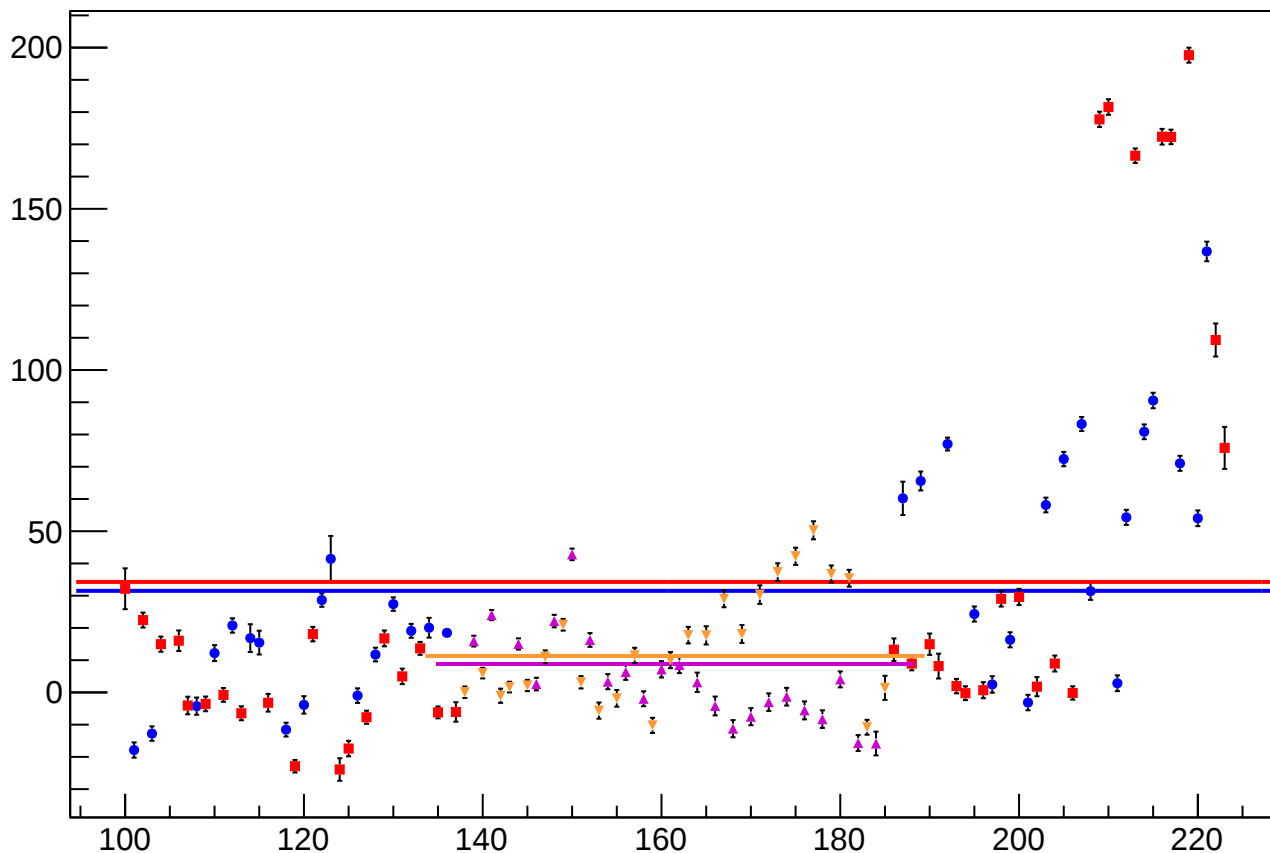
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3231.604 $\pm$ 0.370 χ^2 /NDF: 520397.5/59

All: 3237.196 $\pm$ 0.263 χ^2 /NDF: 1369898.5/12

- sign 3242.870 $\pm$ 0.373 χ^2 /NDF: 849041.5/61

diff_bpm0l01Y_mean vs Slug



Right In: 31.503 $\pm$ 0.403 χ^2 /NDF: 7125.3/34

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF: 1144.3/24

Right Out: 34.276 $\pm$ 0.396 χ^2 /NDF: 28763.1/38

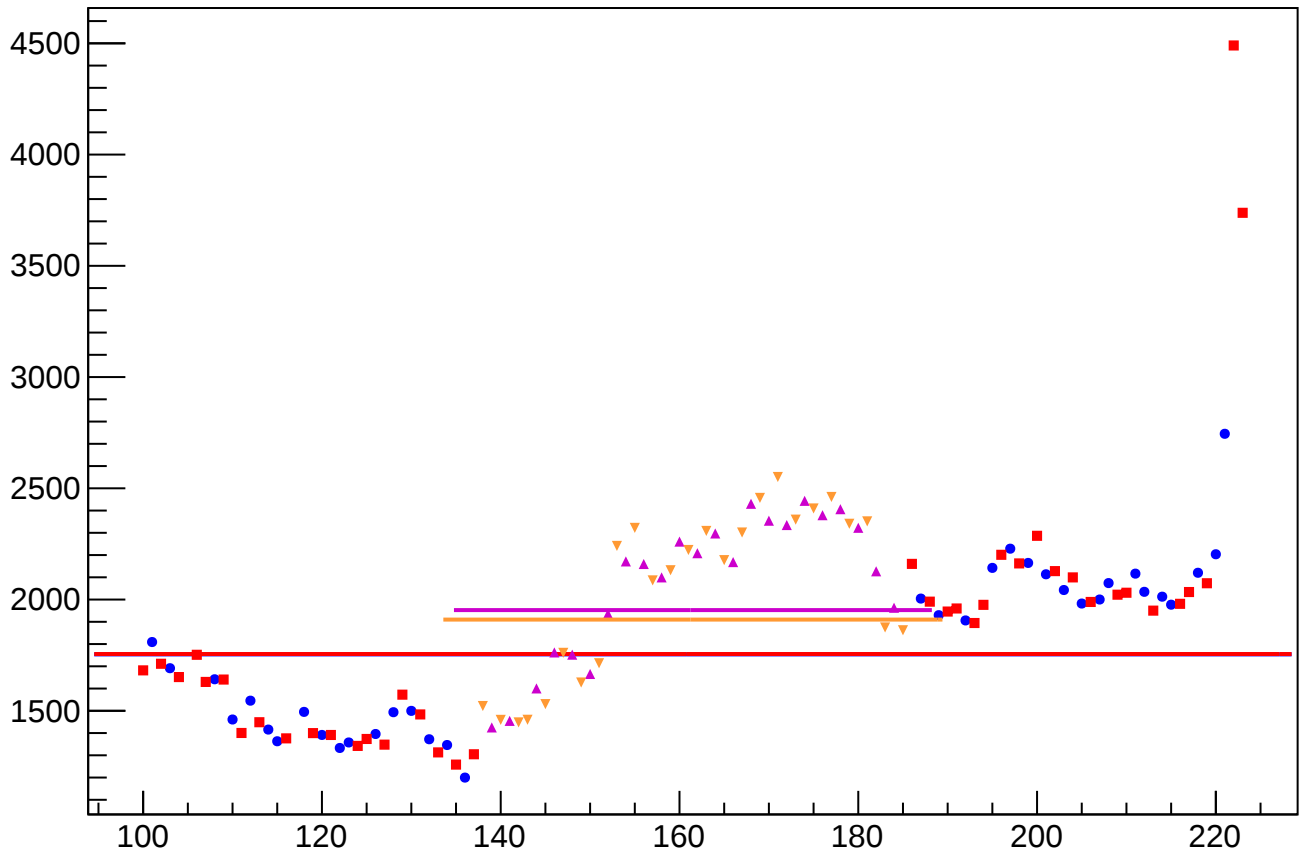
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF: 942.2/22

+ sign 22.608 $\pm$ 0.301 χ^2 /NDF: 9378.0/59

All: 23.218 $\pm$ 0.214 χ^2 /NDF: 40784.5/121

- sign 23.840 $\pm$ 0.304 χ^2 /NDF: 31398.2/61

diff_bpm0l01Y_rms vs Slug



Right In: 1753.524+/-0.285 χ^2/NDF : 1610517.9/34

Left Out: 1909.963+/-0.321 χ^2/NDF :1399467.7/24

Right Out: 1755.176+/-0.280 χ^2/NDF : 2056776.0/38

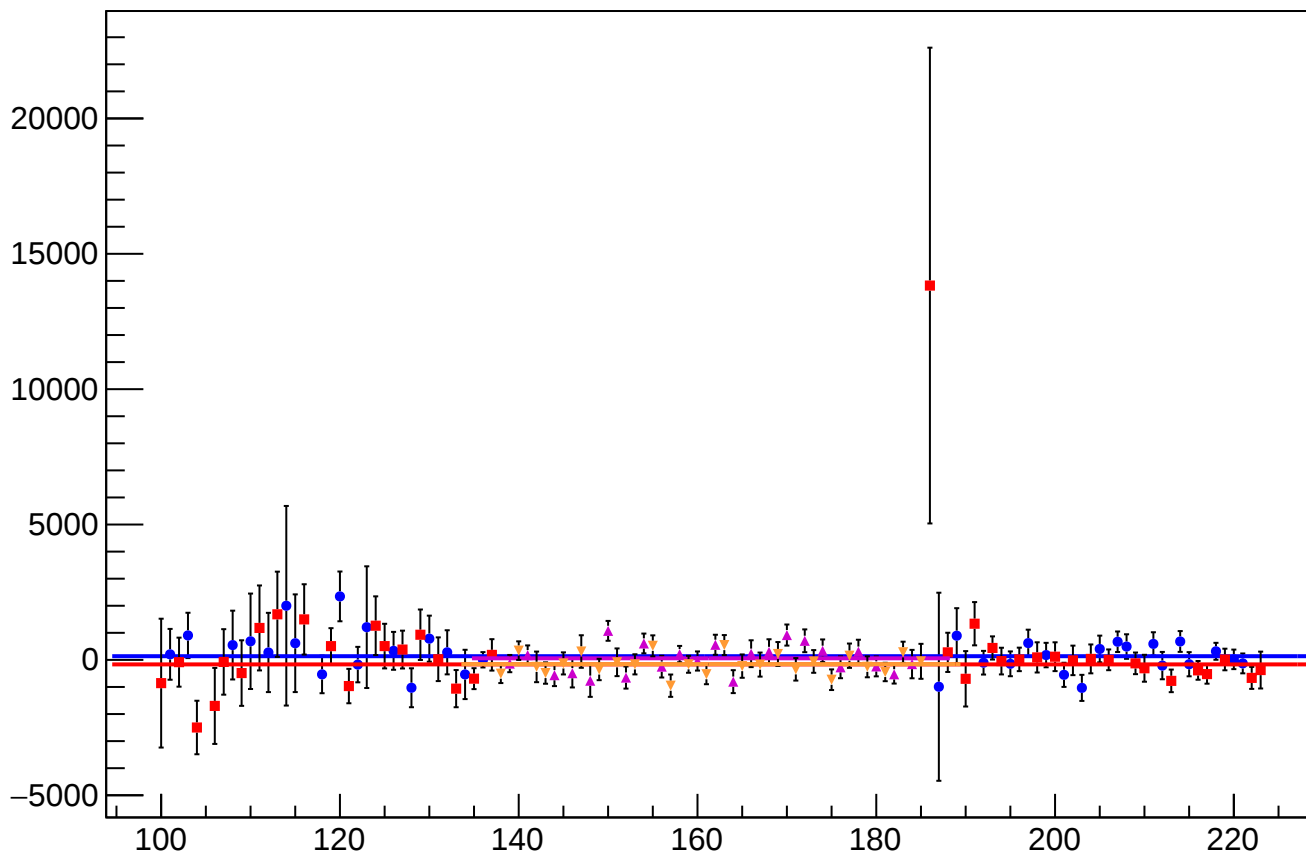
Left In: 1952.637+/-0.336 χ^2/NDF :1065333.8/22

+ sign 1822.420+/-0.213 χ^2/NDF : 3142962.2/59

All: 1829.194+/-0.151 χ^2/NDF : 6470761.7/12

- sign 1836.112+/-0.215 χ^2/NDF : 3325754.4/61

asym_sam1_mean vs Slug



Right In: 136.567 ± 90.380 χ^2/NDF : 31.1/34

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -166.061 ± 92.886 χ^2/NDF : 37.0/38

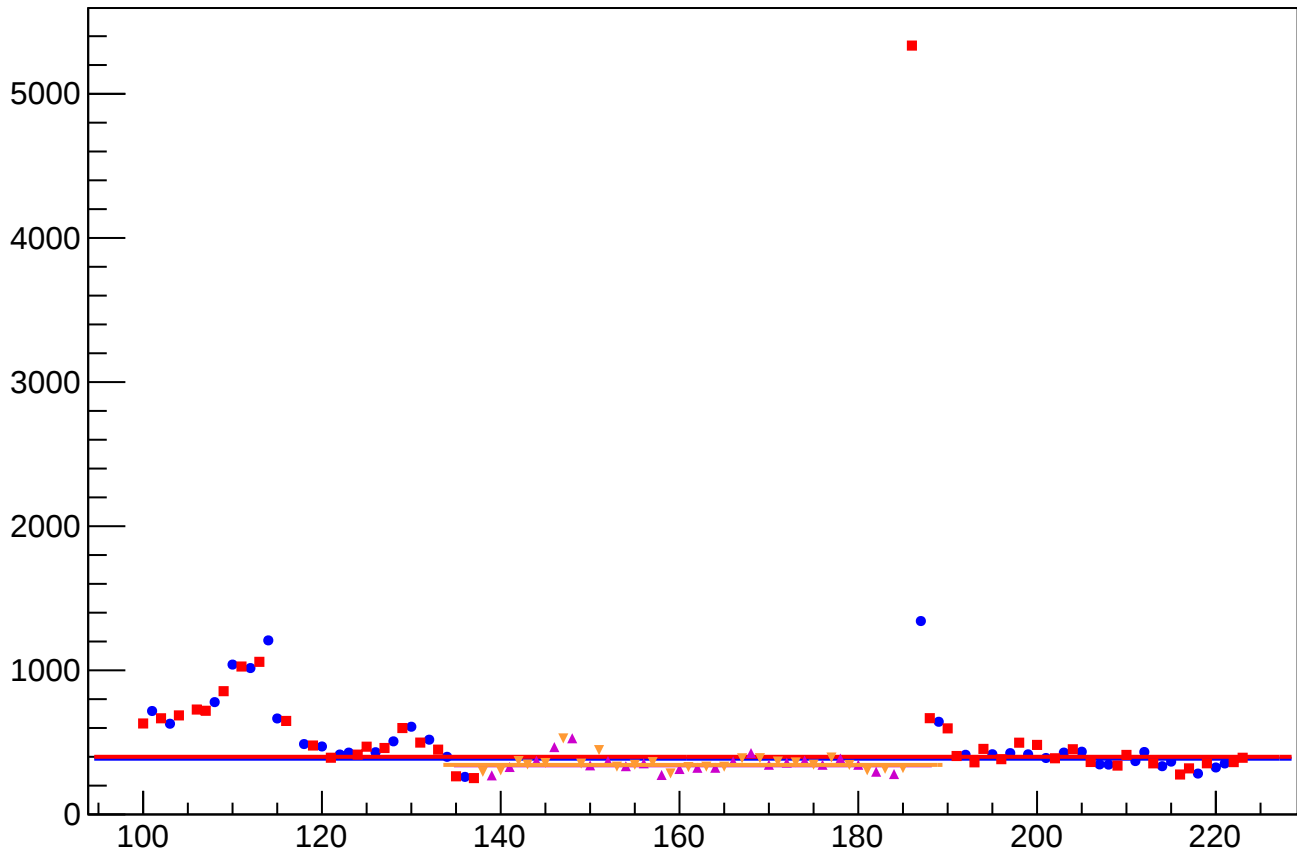
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -26.737 ± 60.236 χ^2/NDF : 59.0/59

All: -33.403 ± 43.108 χ^2/NDF : 137.9/121

- sign -40.400 ± 61.718 χ^2/NDF : 78.9/61

asym_sam1_rms vs Slug



Right In: 386.860 $\pm$ 0.064 χ^2 /NDF: 2854197.6/34

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 400.083 $\pm$ 0.066 χ^2 /NDF: 3838285.5/38

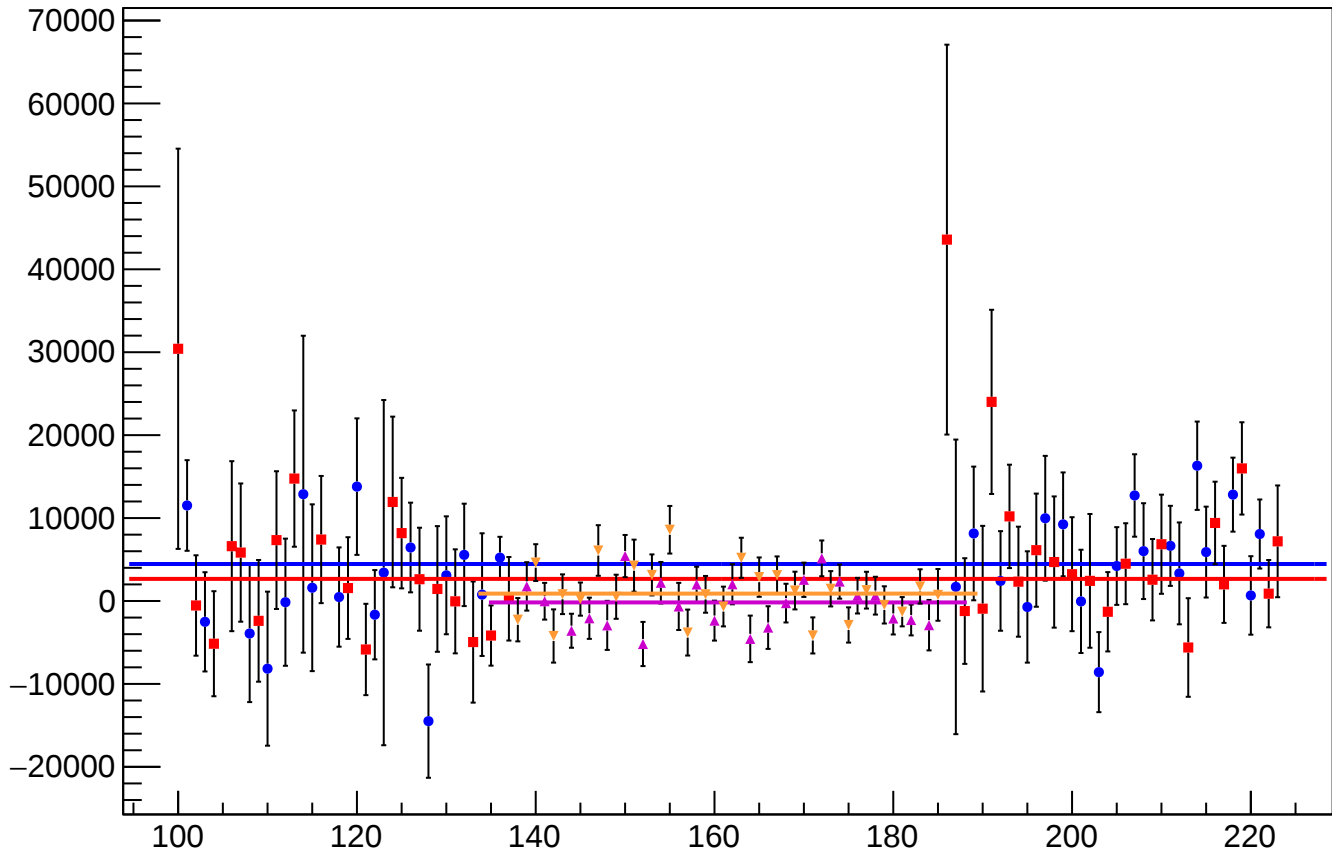
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 362.930 $\pm$ 0.043 χ^2 /NDF: 3645879.5/59

All: 364.923 $\pm$ 0.030 χ^2 /NDF: 8667170.9/123

- sign 367.016 $\pm$ 0.044 χ^2 /NDF: 5016803.0/61

asym_sam2_mean vs Slug



Right In: 4460.063 ± 970.386 χ^2/NDF : 40.7/34

Left Out: 890.395 ± 473.262 χ^2/NDF : 38.0/24

Right Out: 2665.419 ± 1005.434 χ^2/NDF : 36.2/38

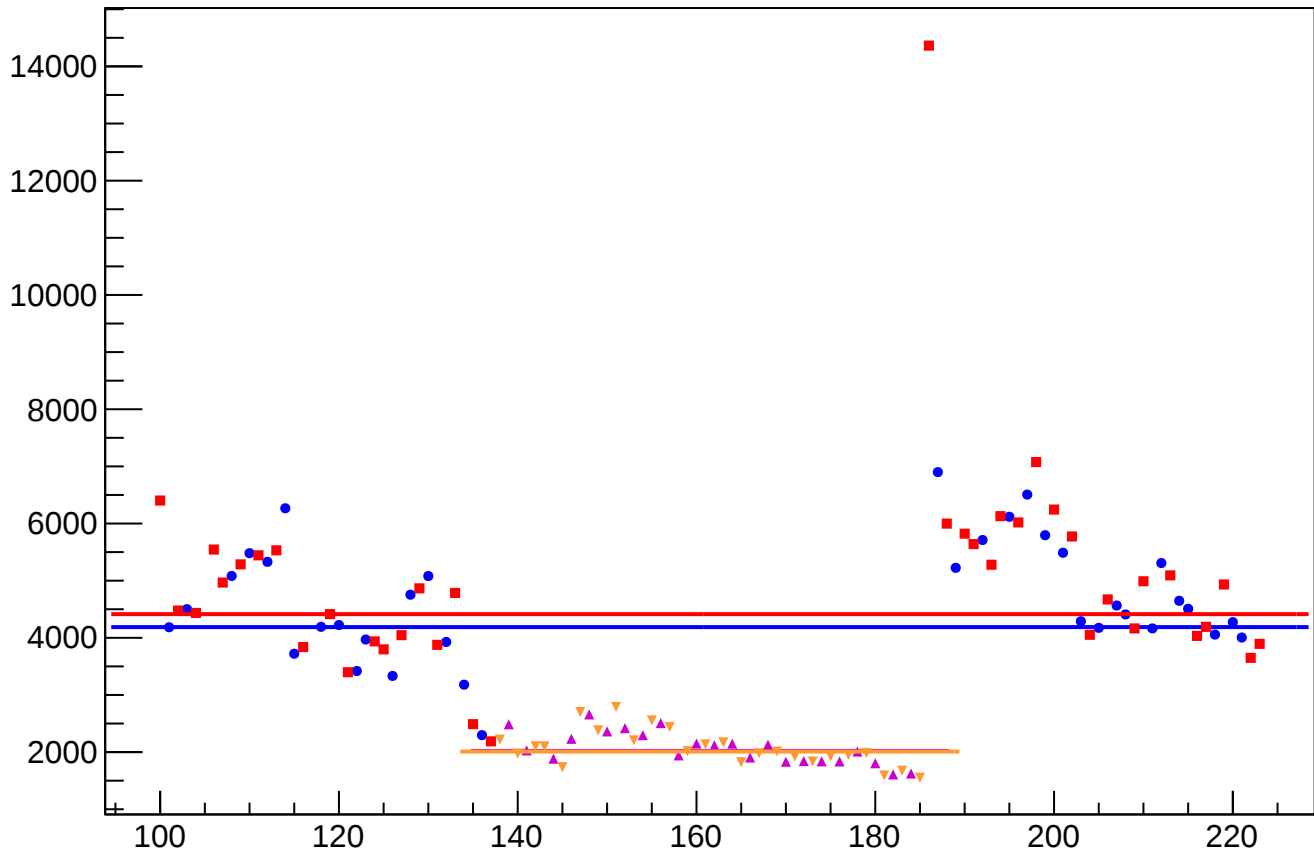
Left In: -172.391 ± 488.067 χ^2/NDF : 33.2/22

+ sign 1576.313 ± 425.370 χ^2/NDF : 89.6/59

All: 991.685 ± 305.510 χ^2/NDF : 169.4/121

- sign 368.791 ± 439.070 χ^2/NDF : 75.9/61

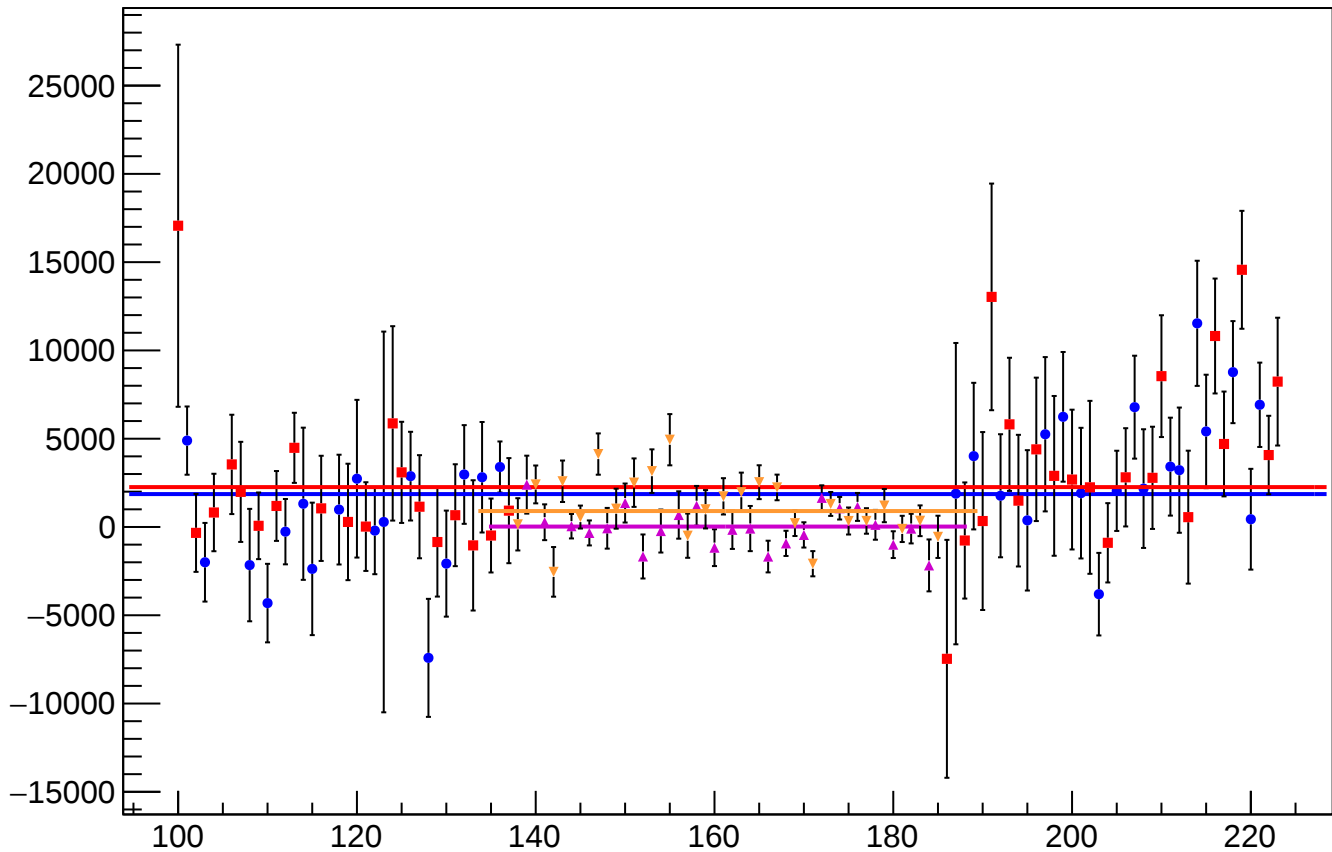
asym_sam2_rms vs Slug



Right In: 4187.612 $\pm$ 0.686 χ^2 /NDF: 2343404.3/34
 Left Out: 2009.631 $\pm$ 0.335 χ^2 /NDF: 709977.6/24
 Right Out: 4414.627 $\pm$ 0.711 χ^2 /NDF: 2667694.6/38
 Left In: 2020.365 $\pm$ 0.345 χ^2 /NDF: 573483.0/22

+ sign 2428.134 $\pm$ 0.301 χ^2 /NDF: 11192533.8/59
 All: 2451.774 $\pm$ 0.216 χ^2 /NDF: 23625013.5/1
 - sign 2476.961 $\pm$ 0.310 χ^2 /NDF: 12419721.2/61

asym_sam3_mean vs Slug



Right In: 1863.495 $\pm$ 477.598 χ^2 /NDF: 59.9/34

Left Out: 902.091 $\pm$ 185.850 χ^2 /NDF:63.5/24

Right Out: 2259.070 $\pm$ 474.003 χ^2 /NDF: 50.3/38

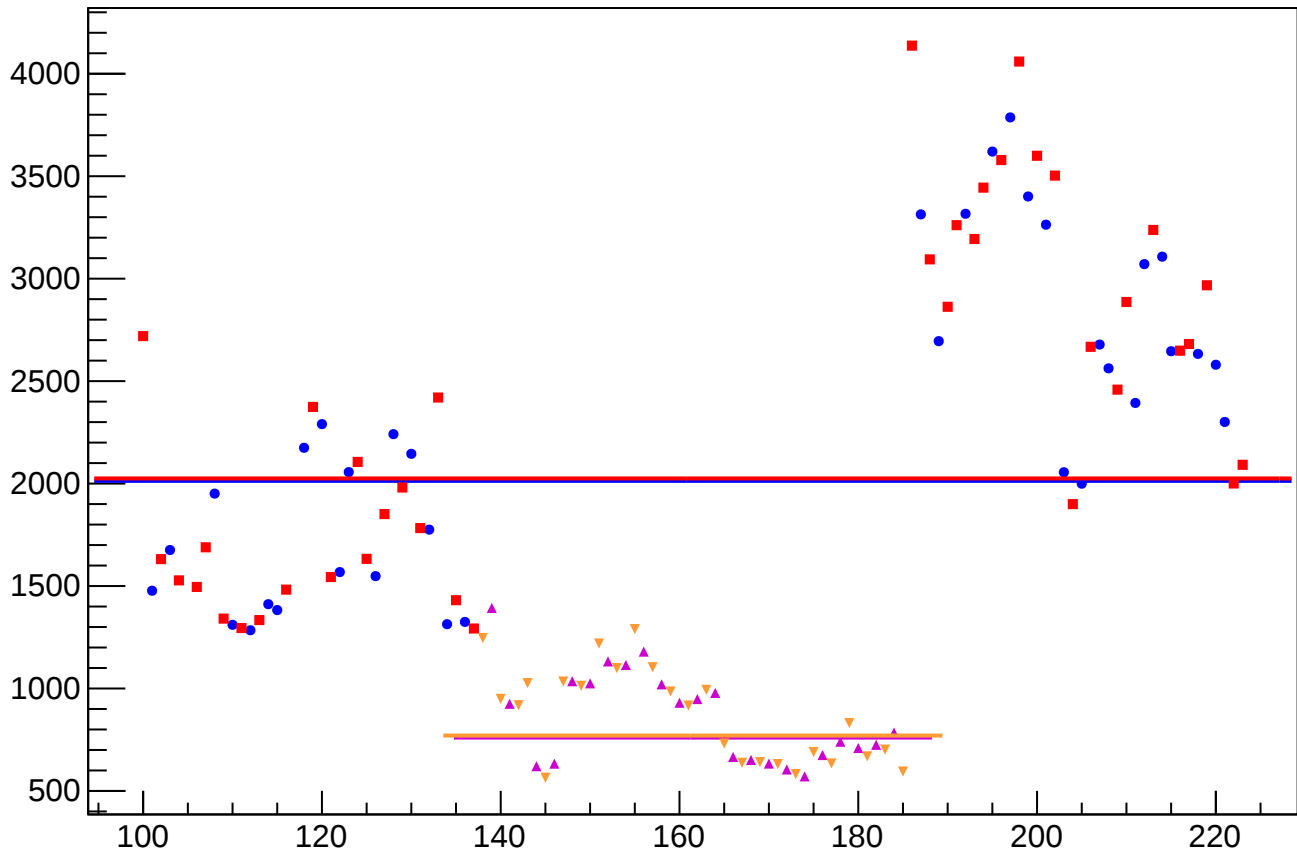
Left In: 23.529 $\pm$ 188.137 χ^2 /NDF:28.2/22

+ sign 1028.527 $\pm$ 173.199 χ^2 /NDF: 127.0/59

All: 681.511 $\pm$ 123.055 χ^2 /NDF: 232.8/121

- sign 327.780 $\pm$ 174.866 χ^2 /NDF: 97.7/61

asym_sam3_rms vs Slug



Right In: 2013.240 $\pm$ 0.338 χ^2 /NDF: 3925650.9/34

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 2025.064 $\pm$ 0.335 χ^2 /NDF: 4614621.5/38

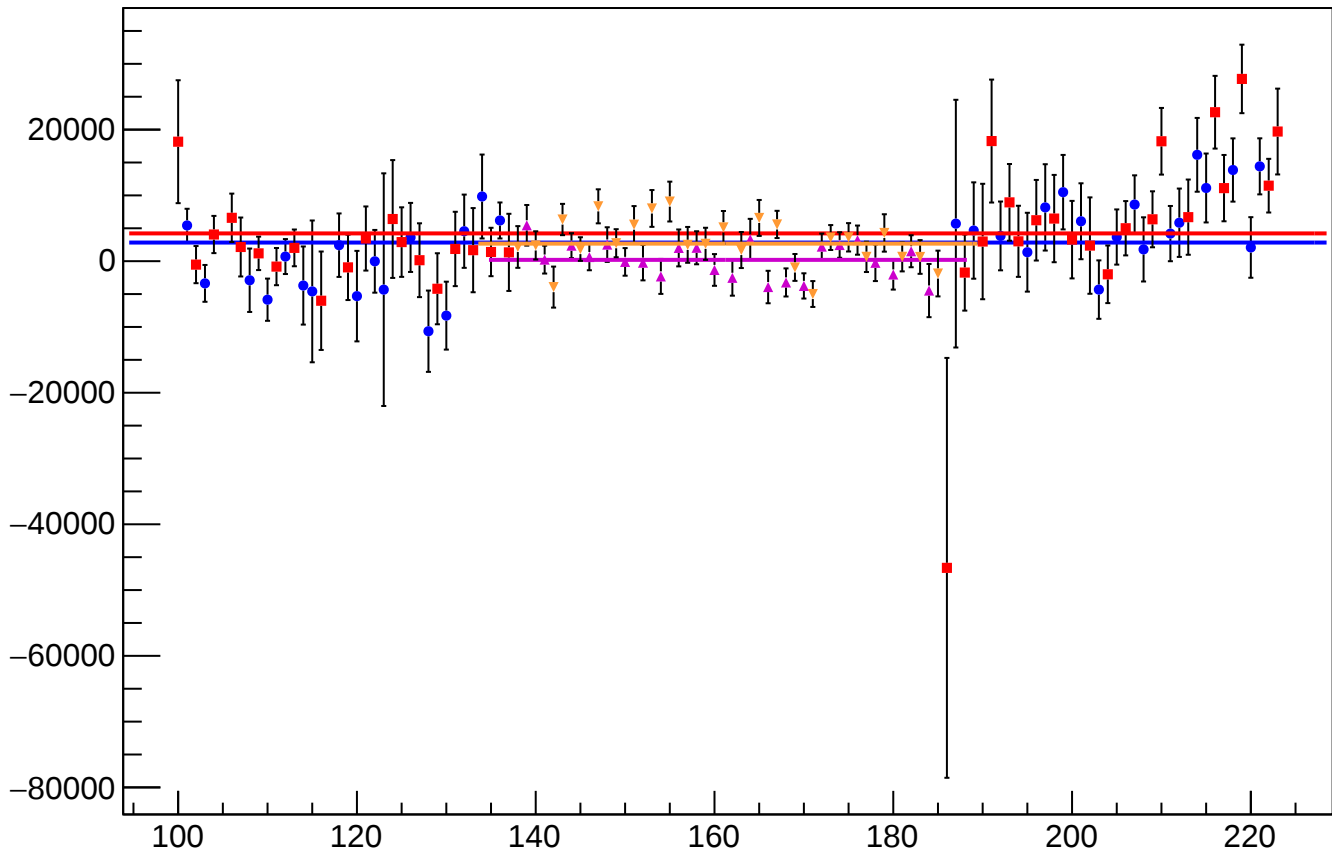
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 933.779 $\pm$ 0.122 χ^2 /NDF: 17977326.0/59

All: 933.133 $\pm$ 0.087 χ^2 /NDF: 36879043.0/12

- sign 932.476 $\pm$ 0.124 χ^2 /NDF: 18901660.9/61

asym_sam4_mean vs Slug



Right In: 2830.504 ± 771.079 χ^2/NDF : 59.8/34

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 4221.867 ± 743.170 χ^2/NDF : 77.3/38

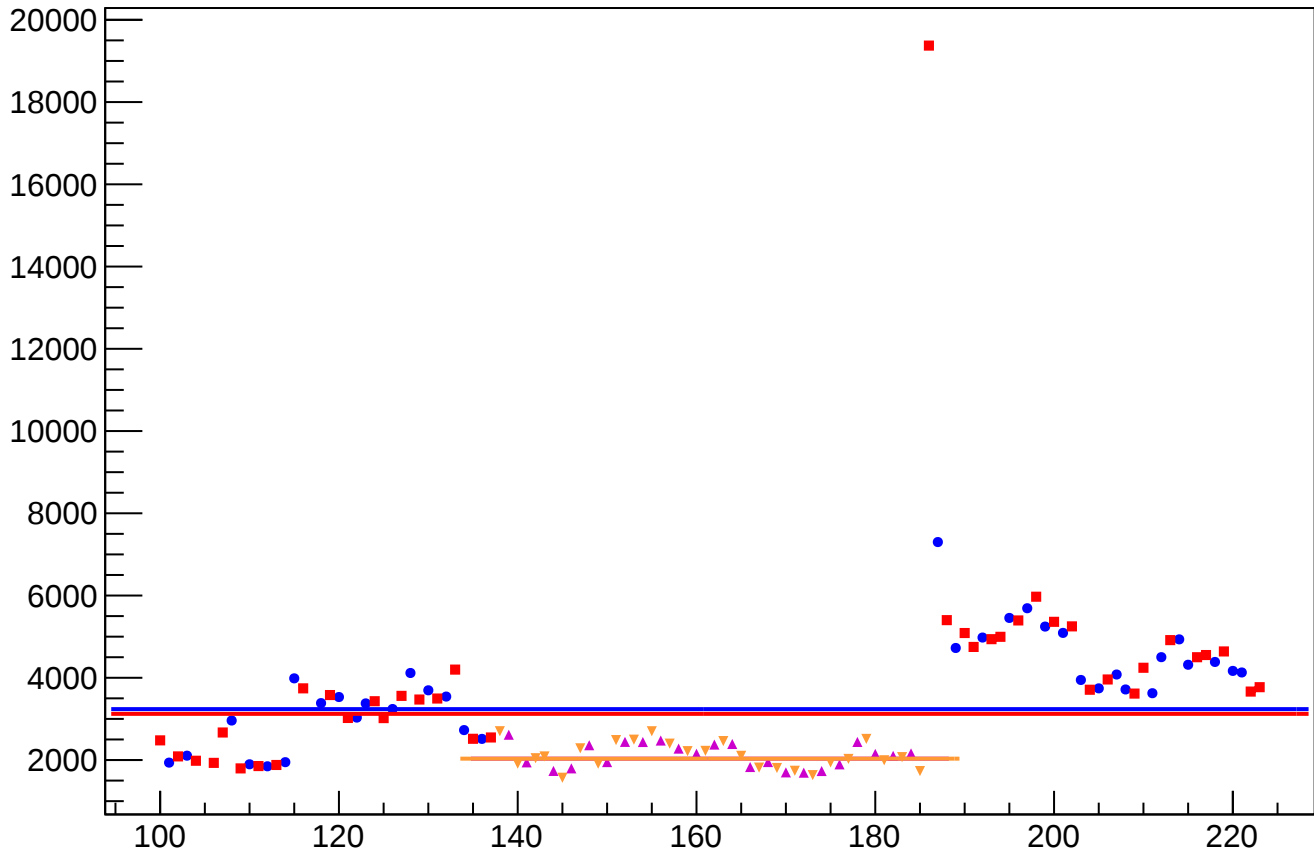
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2711.615 ± 407.357 χ^2/NDF : 109.1/59

All: 2073.132 ± 289.077 χ^2/NDF : 237.4/121

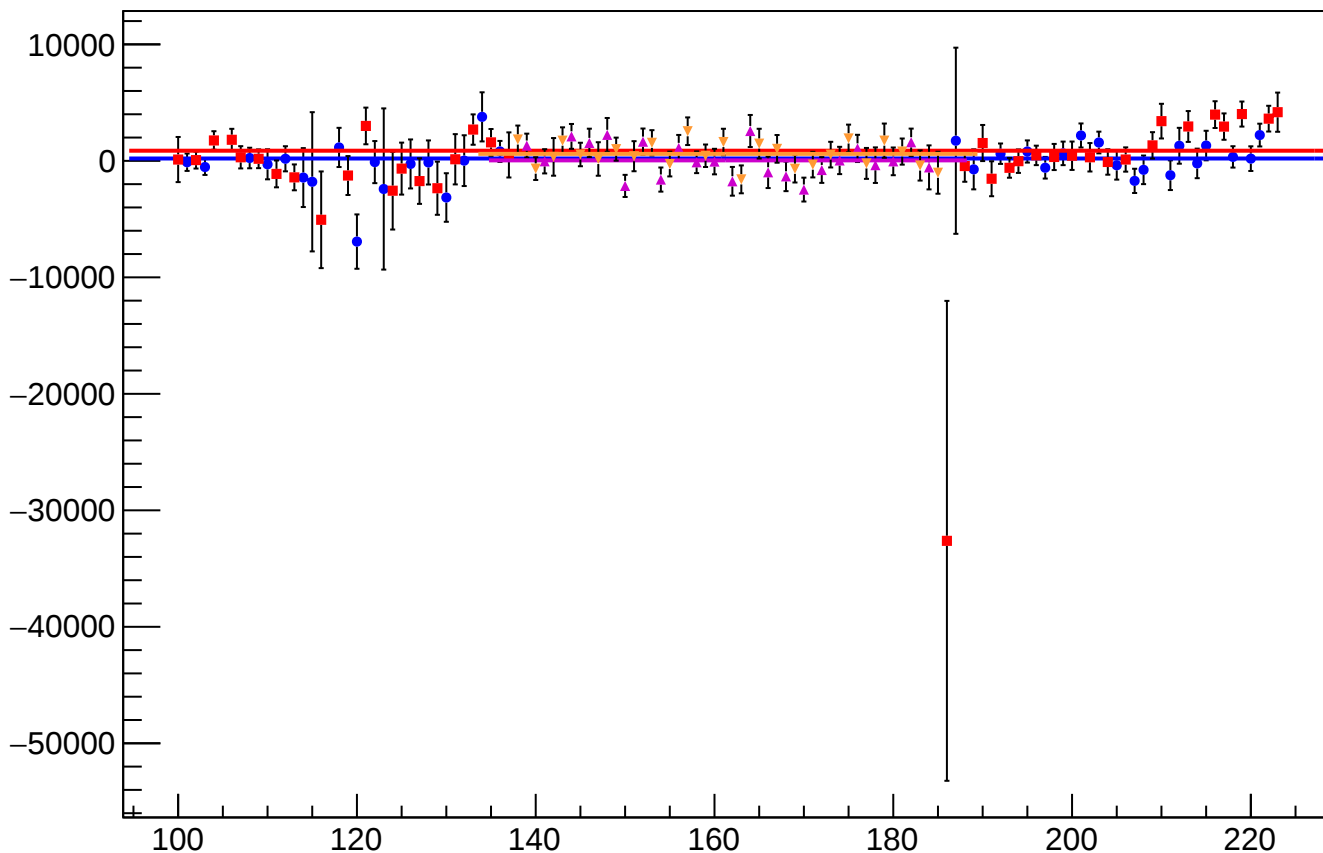
- sign 1425.414 ± 410.292 χ^2/NDF : 123.4/61

asym_sam4_rms vs Slug



Right In: 3237.939+/-0.545	χ^2/NDF : 4351526.9/34	+ sign 2369.535+/-0.288	χ^2/NDF : 8694413.7/59
Left Out: 2033.337+/-0.339	χ^2/NDF : 824062.2/24	All: 2367.246+/-0.204	χ^2/NDF : 18183509.7/1
Right Out: 3122.785+/-0.526	χ^2/NDF : 5844474.9/38	- sign 2364.923+/-0.290	χ^2/NDF : 9488968.7/61
Left In: 2032.655+/-0.348	χ^2/NDF : 652763.7/22		

asym_sam5_mean vs Slug



Right In: 202.385 $\pm$ 200.797 χ^2 /NDF: 36.7/34

Left Out: 600.005 $\pm$ 234.968 χ^2 /NDF:18.5/24

Right Out: 871.055 $\pm$ 192.595 χ^2 /NDF: 72.2/38

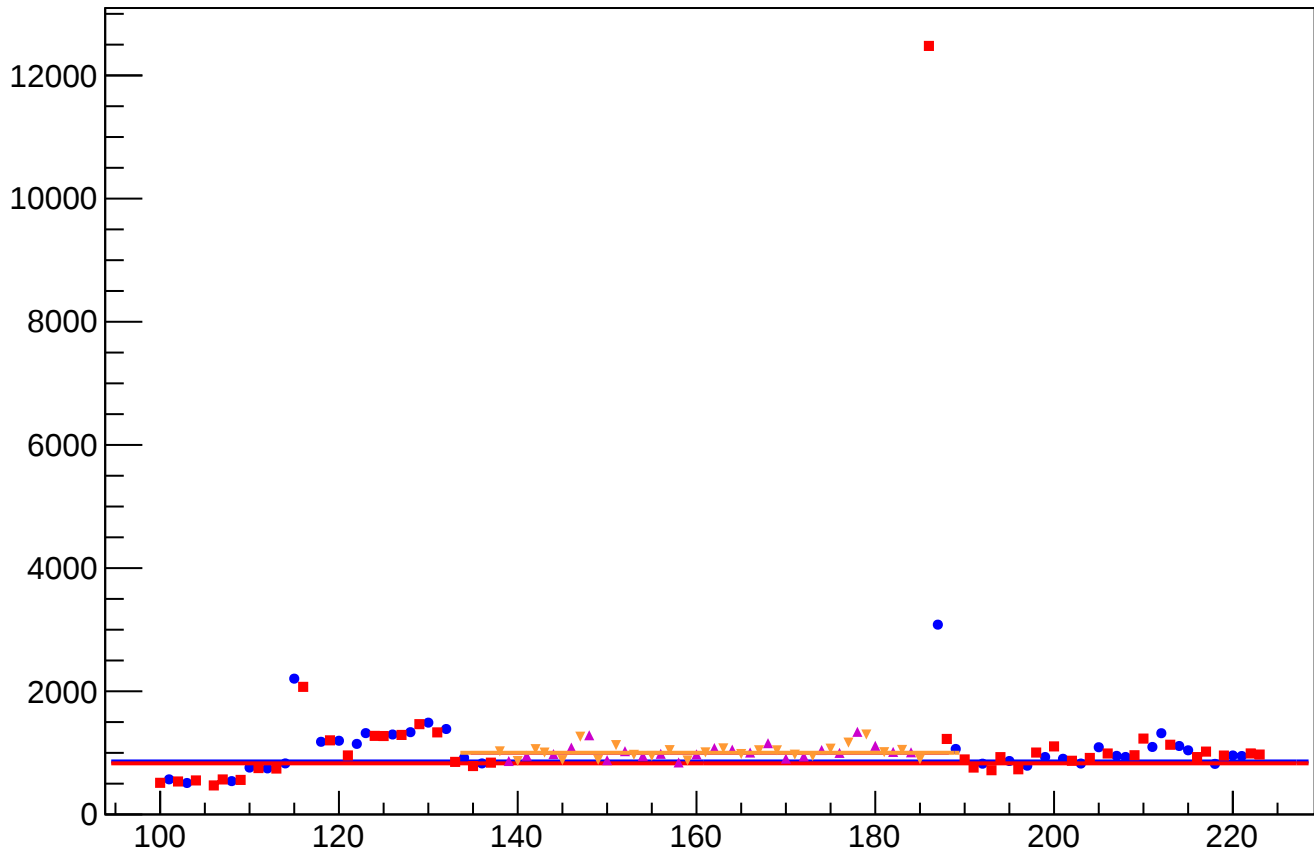
Left In: 41.559 $\pm$ 240.807 χ^2 /NDF:36.4/22

+ sign 370.206 $\pm$ 152.650 χ^2 /NDF: 56.9/59

All: 460.141 $\pm$ 107.138 χ^2 /NDF: 173.4/121

- sign 547.453 $\pm$ 150.407 χ^2 /NDF: 115.8/61

asym_sam5_rms vs Slug



Right In: 860.568 $\pm$ 0.142 χ^2 /NDF: 2626722.5/34

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 829.945 $\pm$ 0.136 χ^2 /NDF: 3644387.9/38

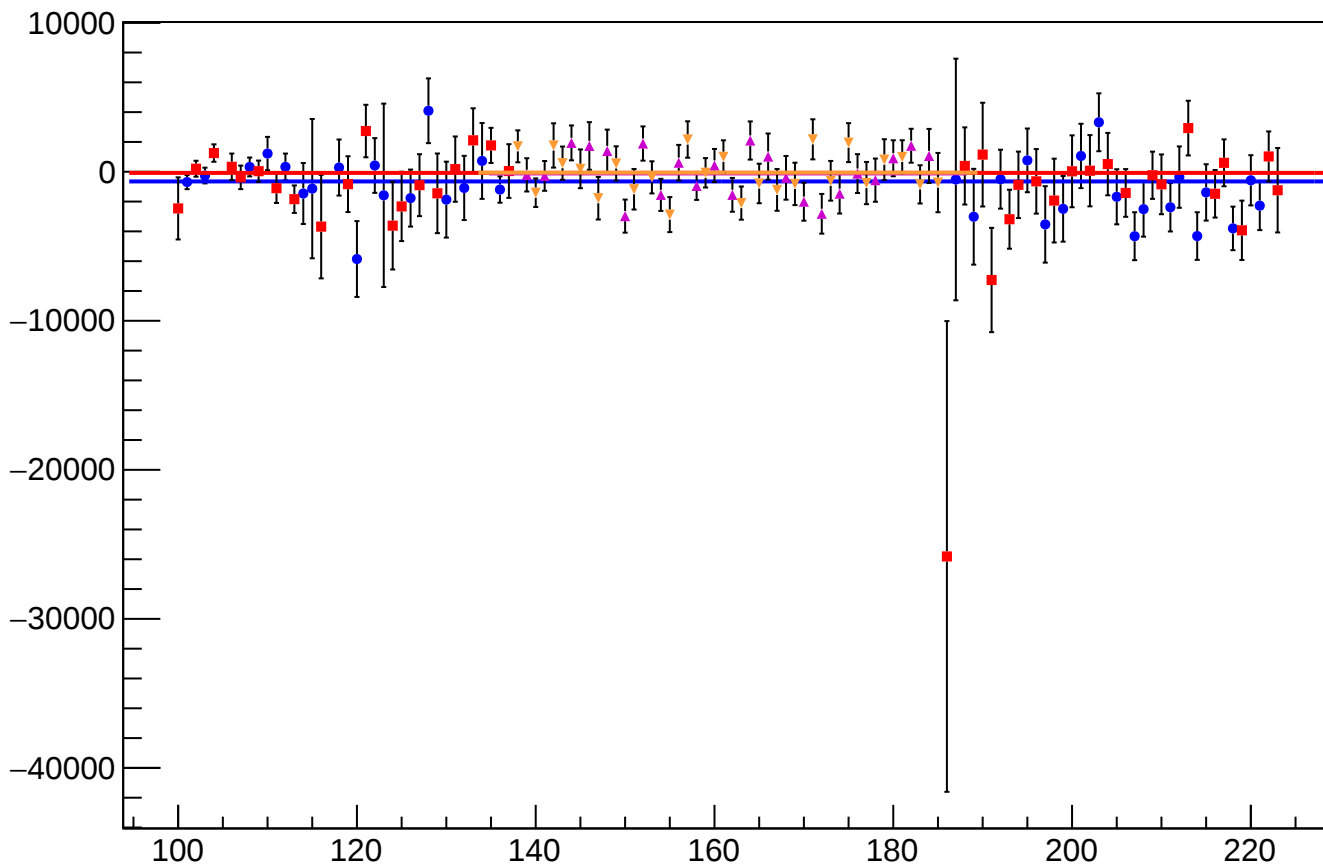
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 920.038 $\pm$ 0.108 χ^2 /NDF: 3412680.7/59

All: 907.601 $\pm$ 0.076 χ^2 /NDF: 8082317.8/123

- sign 895.526 $\pm$ 0.106 χ^2 /NDF: 4643470.1/61

asym_sam6_mean vs Slug



Right In: -649.756 ± 219.315 χ^2/NDF : 44.4/34

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -76.493 ± 217.966 χ^2/NDF : 41.0/38

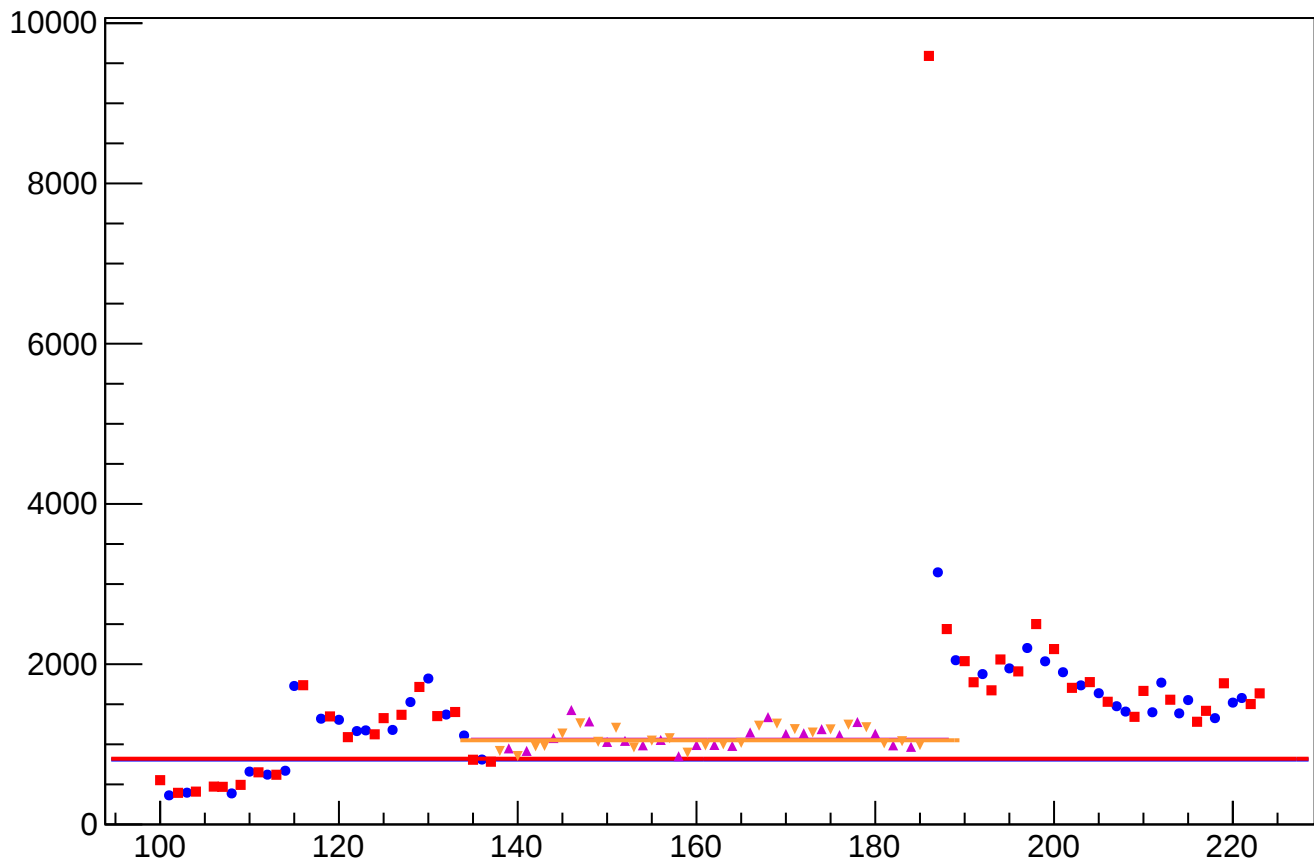
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -389.107 ± 163.852 χ^2/NDF : 78.6/59

All: -242.122 ± 116.543 χ^2/NDF : 156.1/121

- sign -91.623 ± 165.798 χ^2/NDF : 75.9/61

asym_sam6_rms vs Slug



Right In: 810.095+/-0.155 χ^2/NDF : 12233539.7/34

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 820.409+/-0.154 χ^2/NDF : 12678527.2/38

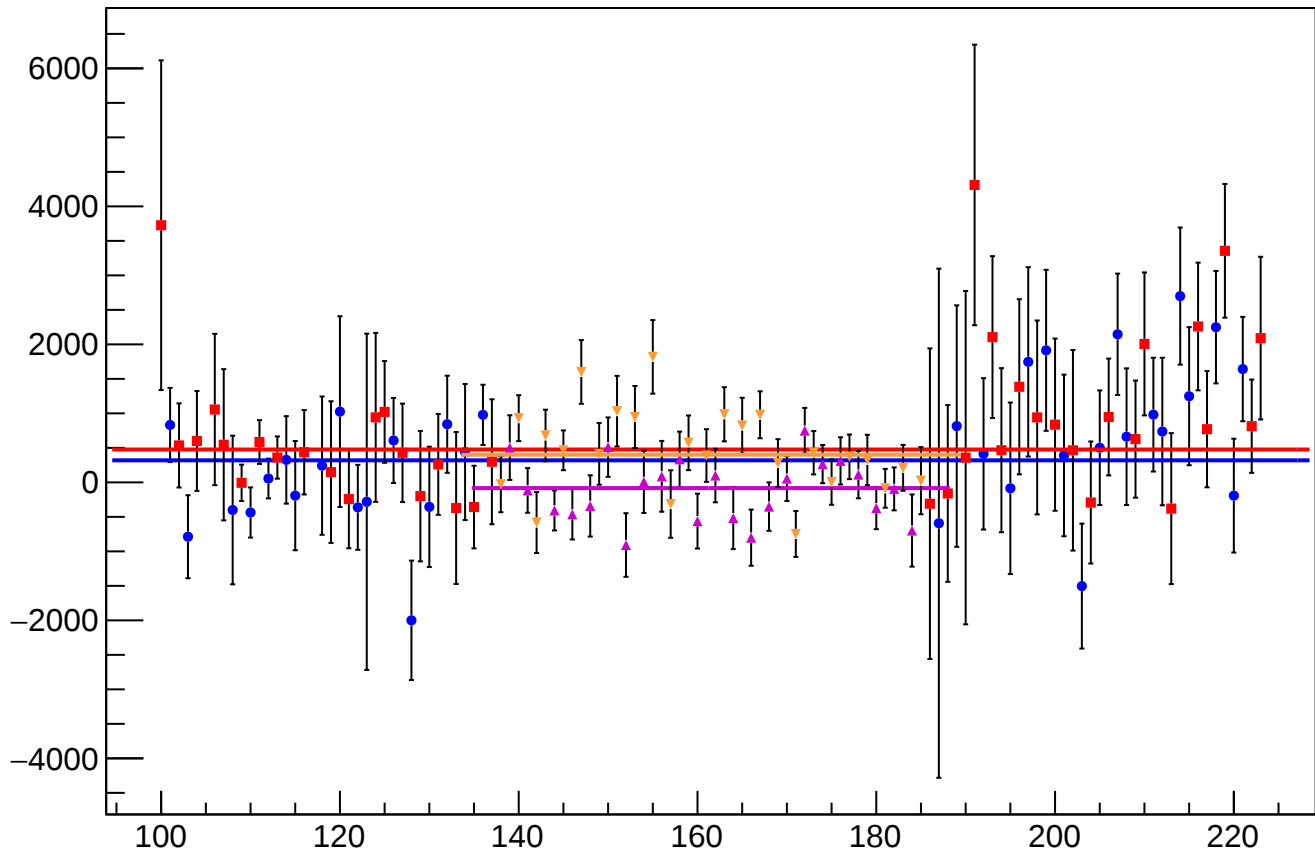
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 916.379+/-0.116 χ^2/NDF : 13779787.6/59

All: 918.449+/-0.082 χ^2/NDF : 27989736.4/12

- sign 920.569+/-0.117 χ^2/NDF : 14209302.7/61

asym_sam7_mean vs Slug



Right In: 319.438 ± 122.484 χ^2/NDF : 50.9/34

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 476.297 ± 114.244 χ^2/NDF : 36.0/38

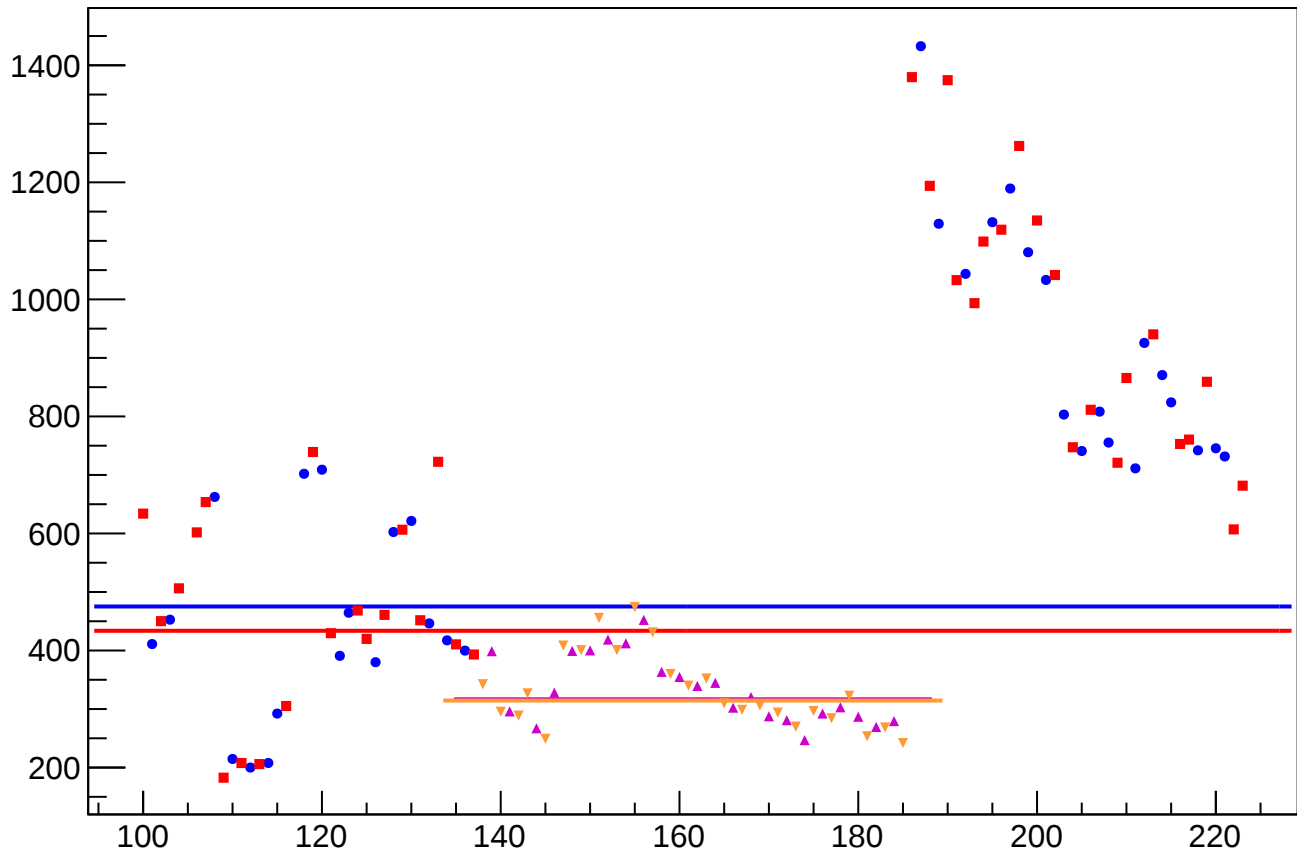
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 378.945 ± 63.680 χ^2/NDF : 103.3/59

All: 235.477 ± 45.069 χ^2/NDF : 195.0/121

- sign 91.483 ± 63.796 χ^2/NDF : 81.5/61

asym_sam7_rms vs Slug



Right In: 475.231+/-0.087 χ^2/NDF : 9518749.1/34

Left Out: 314.538+/-0.053 χ^2/NDF :1112445.6/24

Right Out: 433.741+/-0.081 χ^2/NDF : 12258434.5/38

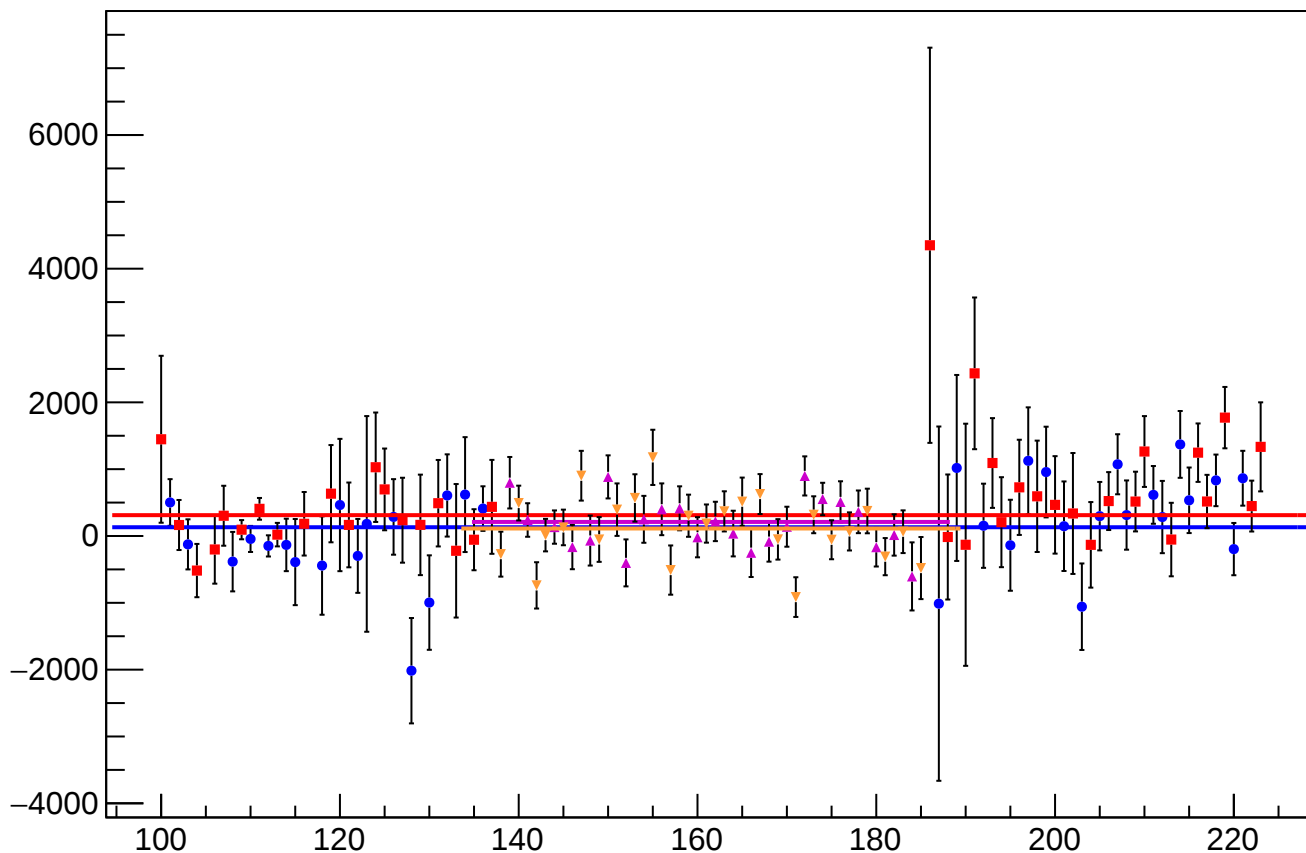
Left In: 316.647+/-0.054 χ^2/NDF :920874.0/22

+ sign 357.973+/-0.045 χ^2/NDF : 13143125.3/59

All: 355.571+/-0.032 χ^2/NDF : 27773998.8/12

- sign 353.161+/-0.045 χ^2/NDF : 14625173.6/61

asym_sam8_mean vs Slug



Right In: 131.069 $\pm$ 73.744 χ^2 /NDF: 48.1/34

Left Out: 112.242 $\pm$ 62.643 χ^2 /NDF: 49.1/24

Right Out: 311.840 $\pm$ 66.351 χ^2 /NDF: 43.7/38

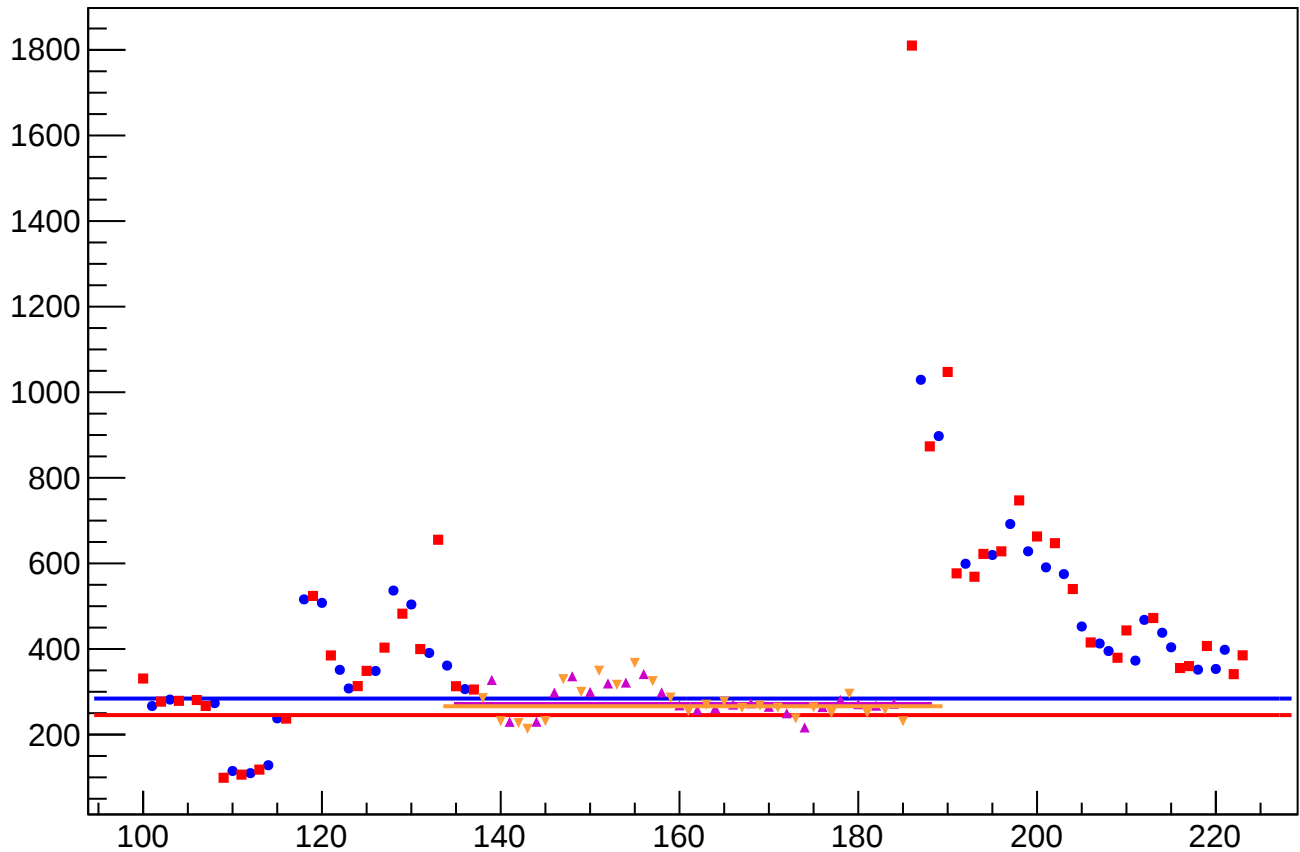
Left In: 210.453 $\pm$ 65.510 χ^2 /NDF: 29.2/22

+ sign 120.133 $\pm$ 47.743 χ^2 /NDF: 97.2/59

All: 191.991 $\pm$ 33.354 χ^2 /NDF: 175.7/121

- sign 260.500 $\pm$ 46.617 χ^2 /NDF: 74.0/61

asym_sam8_rms vs Slug



Right In: 284.166+/-0.052 χ^2/NDF : 9857182.0/34

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 245.508+/-0.047 χ^2/NDF : 13678354.7/38

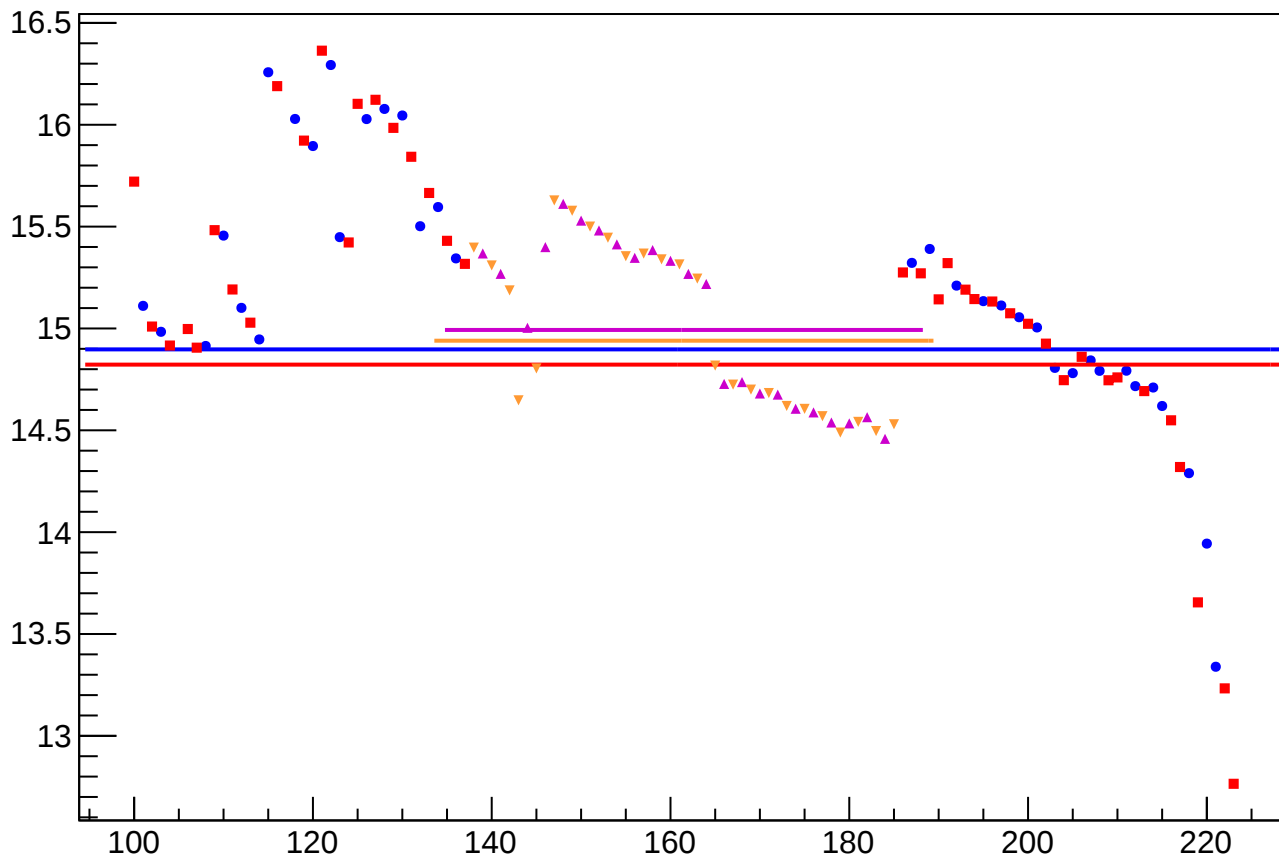
Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

+ sign 273.734+/-0.034 χ^2/NDF : 10575706.5/59

All: 266.000+/-0.024 χ^2/NDF : 25032861.7/12

- sign 258.626+/-0.033 χ^2/NDF : 14354632.0/61

yield_sam1_mean vs Slug



Right In: 14.897+/-0.000 χ^2 /NDF: 55799989038.6/34

Left Out: 14.940+/-0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 14.822+/-0.000 χ^2 /NDF: 74843310805.3/38

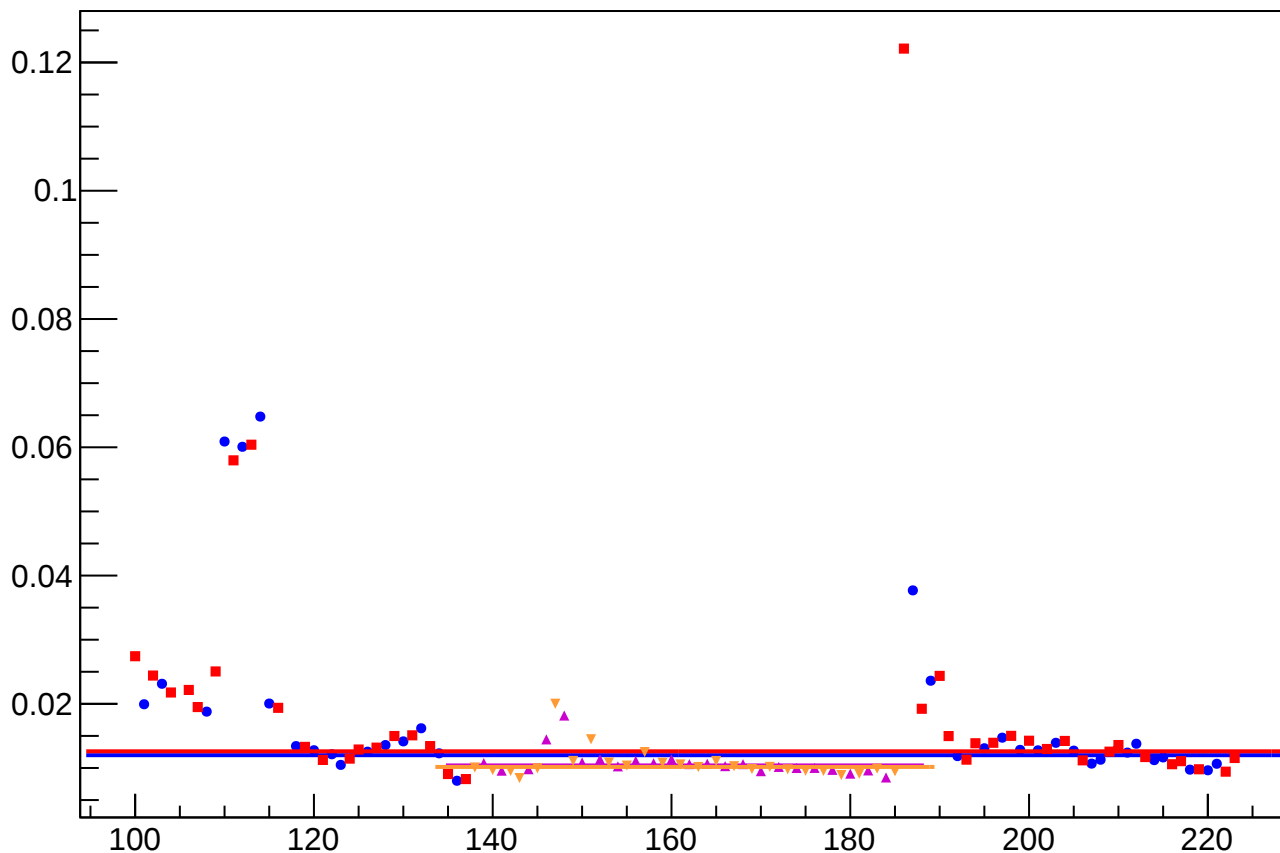
Left In: 14.993+/-0.000 χ^2 /NDF: 22023159634.7/22

+ sign 14.922+/-0.000 χ^2 /NDF: 80127875337.3/59

All: 14.921+/-0.000 χ^2 /NDF: 178861893542.

- sign 14.921+/-0.000 χ^2 /NDF: 98733768220.8/61

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2865237.6/34

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 3650239.4/38

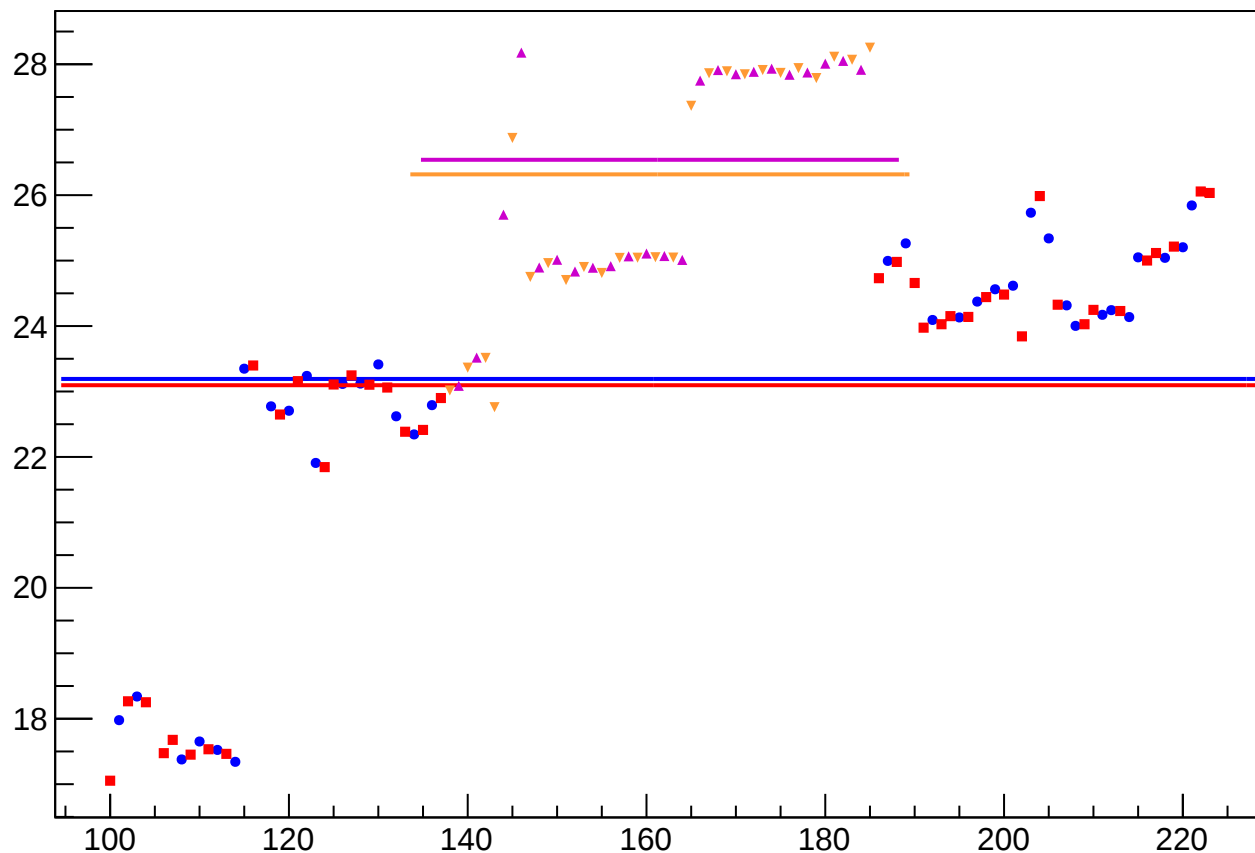
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4054506.4/59

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8917828.5/121

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4820027.0/61

yield_sam2_mean vs Slug



Right In: 23.192+/-0.000 χ^2 /NDF: 1706810818.8/34

Left Out: 26.318+/-0.000 χ^2 /NDF: 4715403741.0/24

Right Out: 23.096+/-0.000 χ^2 /NDF: 2034240567.8/38

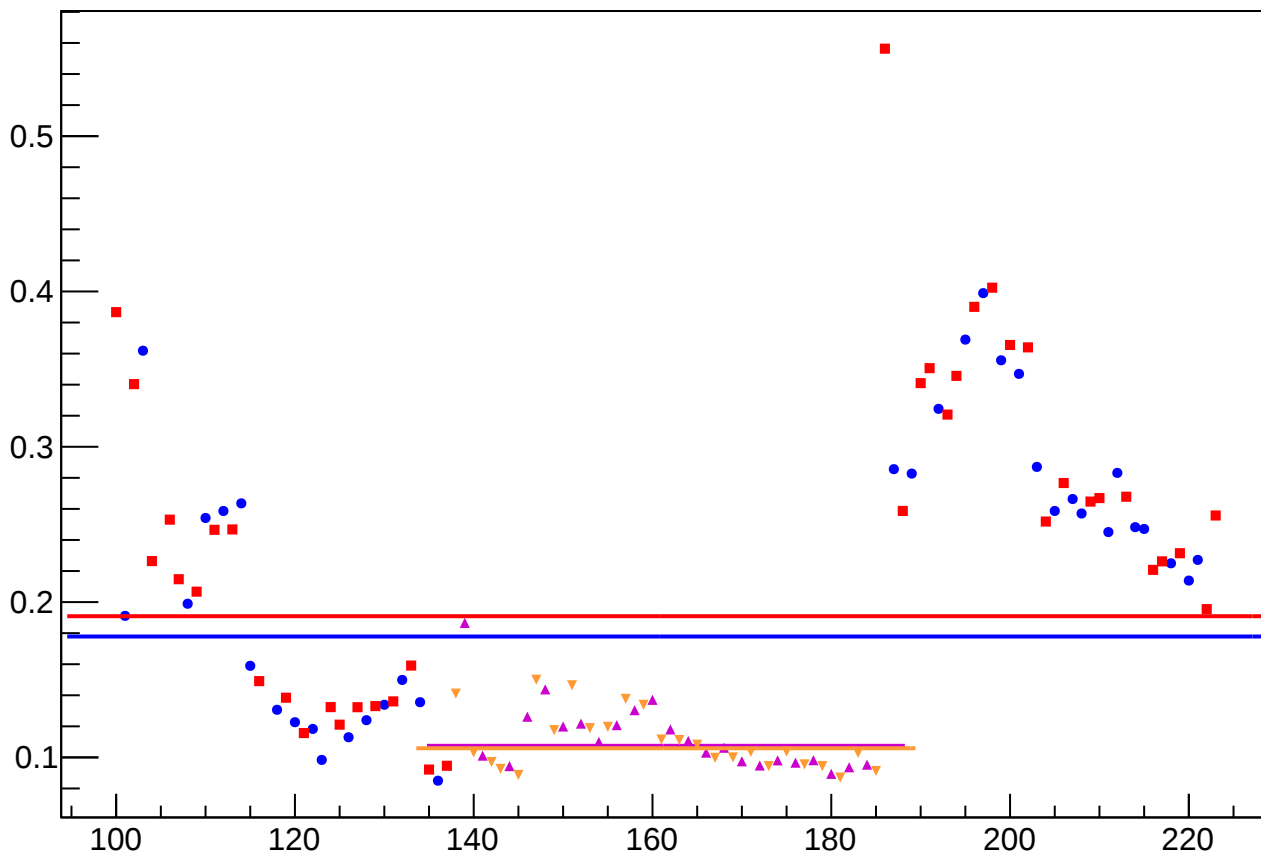
Left In: 26.540+/-0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.518+/-0.000 χ^2 /NDF: 9946453133.7/59

All: 25.585+/-0.000 χ^2 /NDF: 19250839210.2

- sign 25.657+/-0.000 χ^2 /NDF: 9287002326.7/61

yield_sam2_rms vs Slug



Right In: 0.178+/-0.000 χ^2/NDF : 6646713.0/34

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.191+/-0.000 χ^2/NDF : 6208085.0/38

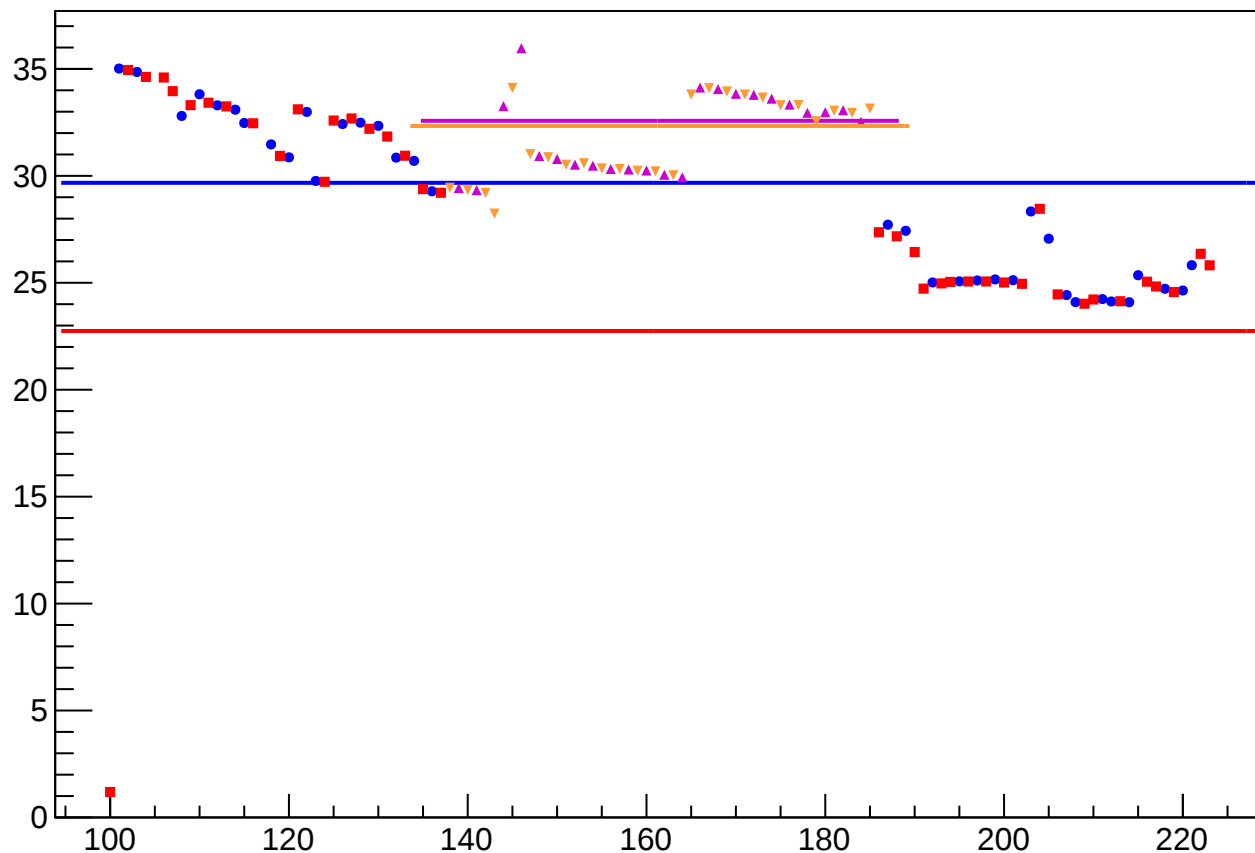
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.124+/-0.000 χ^2/NDF : 11116166.1/59

All: 0.126+/-0.000 χ^2/NDF : 22761599.6/121

- sign 0.129+/-0.000 χ^2/NDF : 11607230.2/61

yield_sam3_mean vs Slug



Right In: 29.675 $\pm$ 0.000 χ^2 /NDF: 12752217110.6/34

Left Out: 32.331 $\pm$ 0.000 χ^2 /NDF: 12850475096.2/24

Right Out: 22.746 $\pm$ 0.000 χ^2 /NDF: 233302430516.1/38

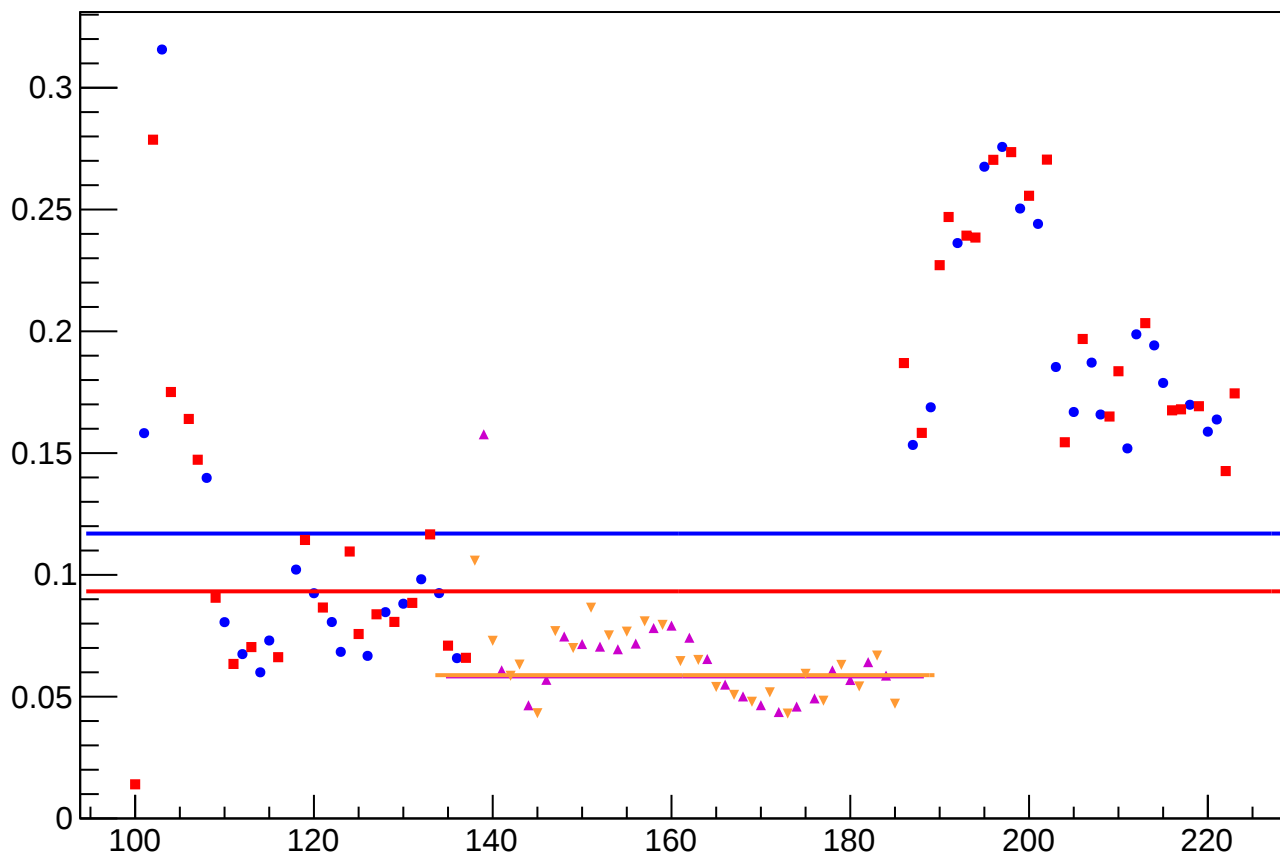
Left In: 32.574 $\pm$ 0.000 χ^2 /NDF: 11797772603.7/22

+ sign 31.778 $\pm$ 0.000 χ^2 /NDF: 31624776457.3/59

All: 30.852 $\pm$ 0.000 χ^2 /NDF: 386361081350.

- sign 29.955 $\pm$ 0.000 χ^2 /NDF: 346000614532.0/61

yield_sam3_rms vs Slug



Right In: 0.117 $\pm$ 0.000 χ^2 /NDF: 7123261.5/34

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 13165463.1/38

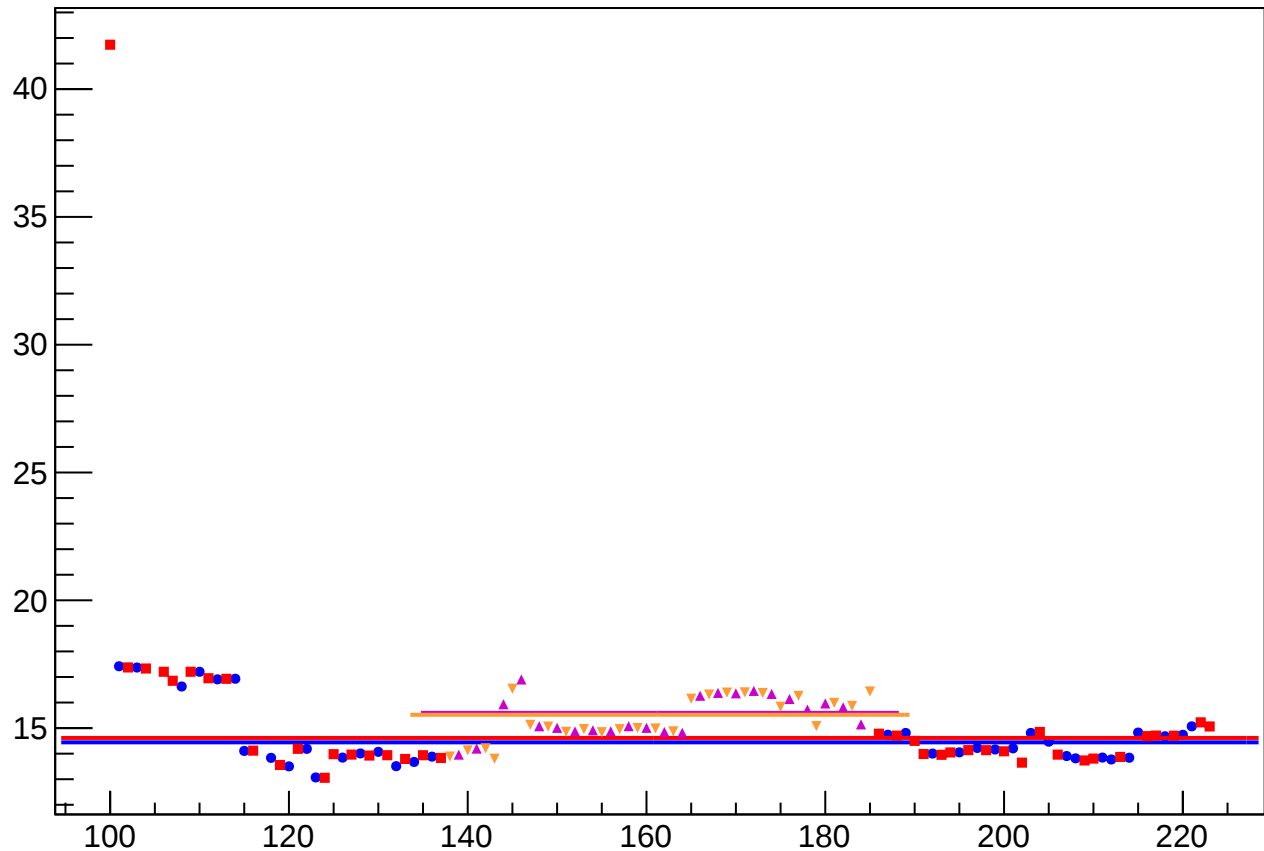
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.071 $\pm$ 0.000 χ^2 /NDF: 14295045.9/59

All: 0.069 $\pm$ 0.000 χ^2 /NDF: 31592619.7/121

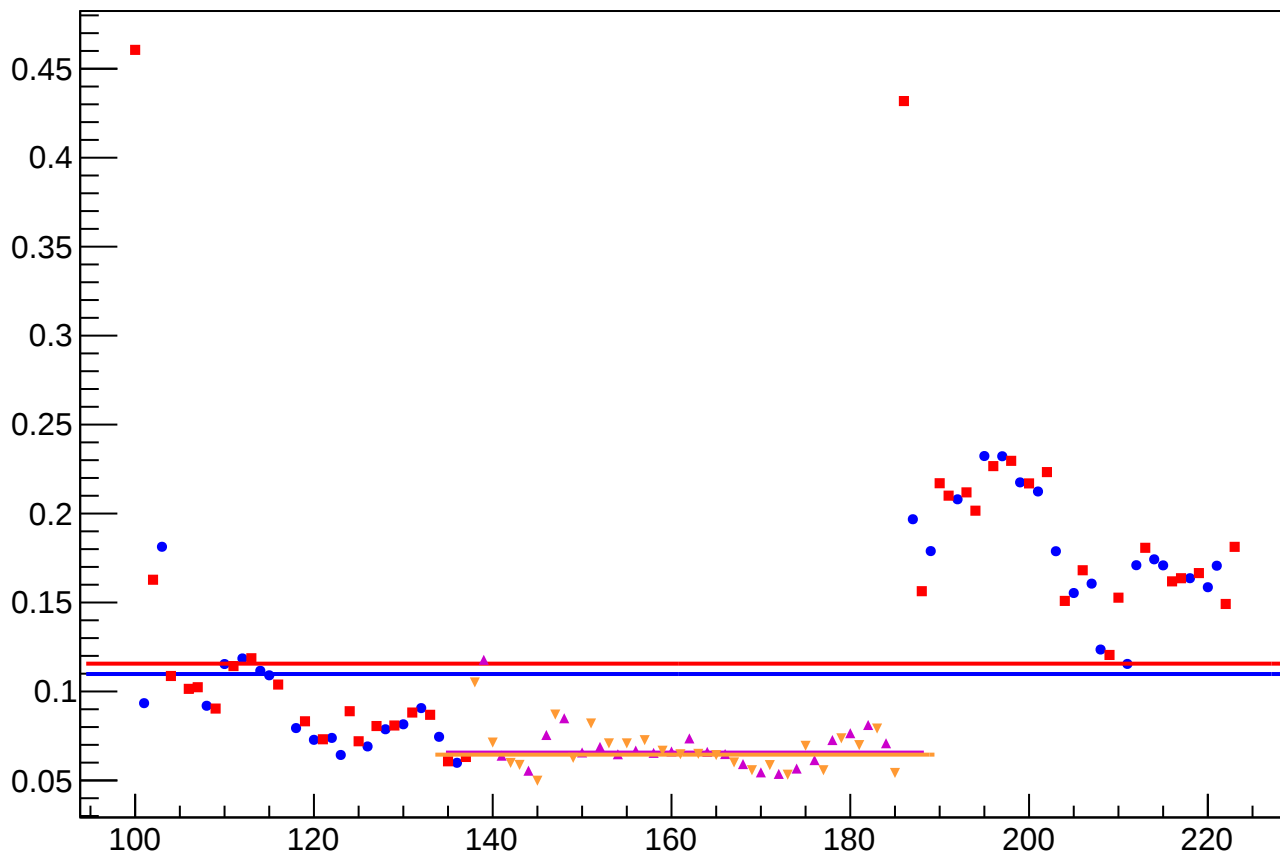
- sign 0.068 $\pm$ 0.000 χ^2 /NDF: 17239718.8/61

yield_sam4_mean vs Slug



Right In: 14.443+/-0.000	χ^2/NDF : 1588670234.7/34	+ sign 15.243+/-0.000	χ^2/NDF : 5304986855.5/59
Left Out: 15.521+/-0.000	χ^2/NDF : 2591377740.5/24	All: 15.288+/-0.000	χ^2/NDF : 10161127154.1
Right Out: 14.615+/-0.000	χ^2/NDF : 2055410283.3/38	- sign 15.337+/-0.000	χ^2/NDF : 4834703916.1/61
Left In: 15.595+/-0.000	χ^2/NDF : 1908733580.5/22		

yield_sam4_rms vs Slug



Right In: 0.110 $\pm$ 0.000 χ^2 /NDF: 6147364.4/34

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.116 $\pm$ 0.000 χ^2 /NDF: 5949131.1/38

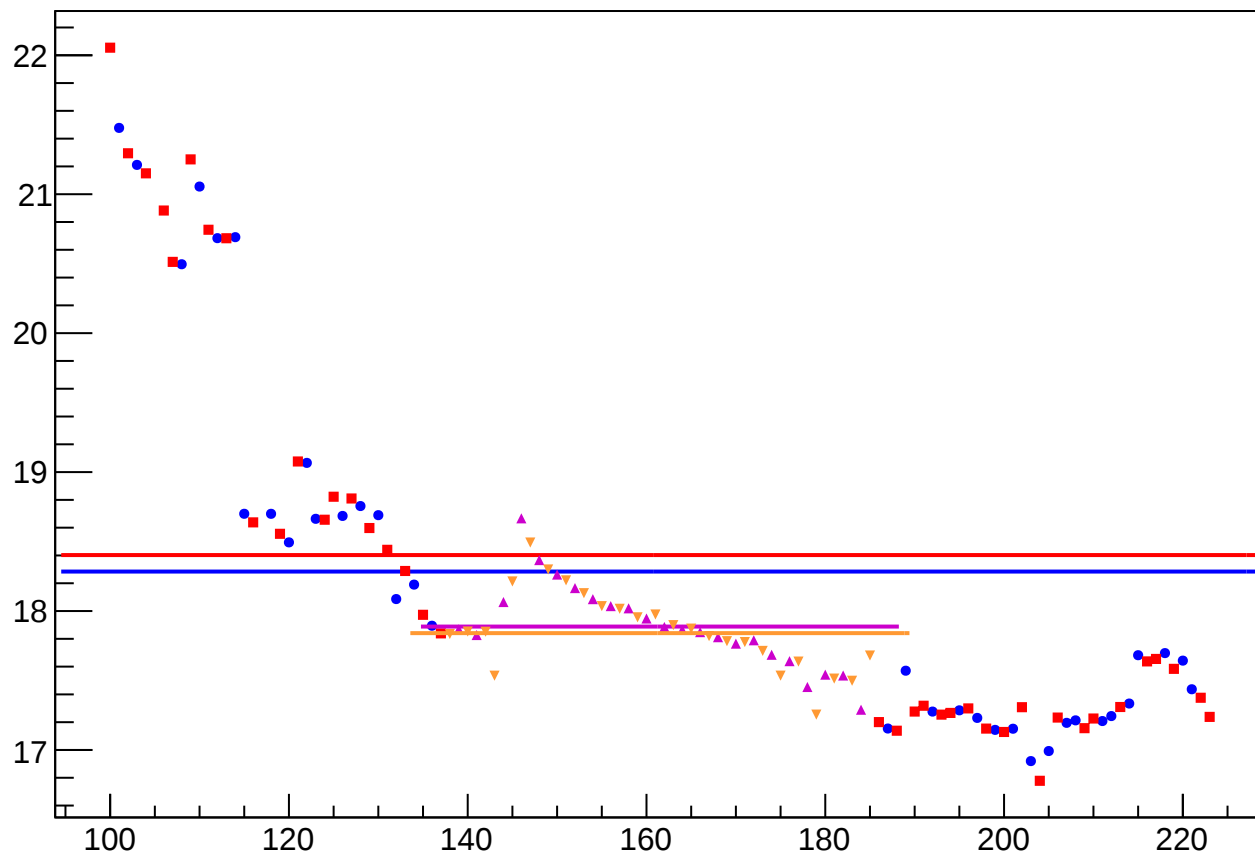
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.076 $\pm$ 0.000 χ^2 /NDF: 10880579.8/59

All: 0.077 $\pm$ 0.000 χ^2 /NDF: 22109938.7/121

- sign 0.079 $\pm$ 0.000 χ^2 /NDF: 11195312.0/61

yield_sam5_mean vs Slug



Right In: 18.284 $\pm$ 0.000 χ^2 /NDF: 33177368717.1/34

Left Out: 17.841 $\pm$ 0.000 χ^2 /NDF: 1283287989.7/24

Right Out: 18.403 $\pm$ 0.000 χ^2 /NDF: 35808235143.8/38

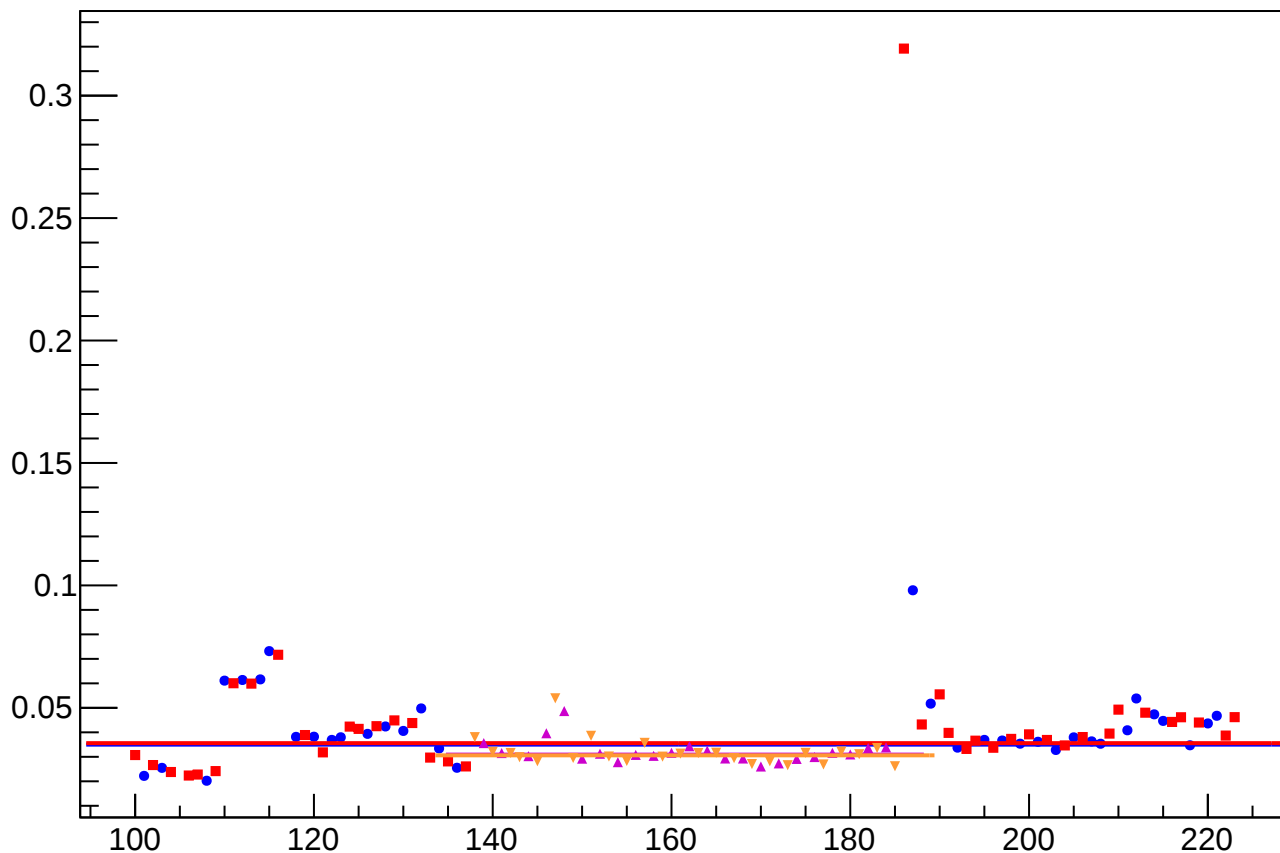
Left In: 17.888 $\pm$ 0.000 χ^2 /NDF: 1203002311.3/22

+ sign 18.035 $\pm$ 0.000 χ^2 /NDF: 36062930919.5/59

All: 18.077 $\pm$ 0.000 χ^2 /NDF: 75279265627.4

- sign 18.121 $\pm$ 0.000 χ^2 /NDF: 39094965420.1/61

yield_sam5_rms vs Slug



Right In: 0.035 $\pm$ 0.000 χ^2 /NDF: 2372279.8/34

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.036 $\pm$ 0.000 χ^2 /NDF: 2691336.7/38

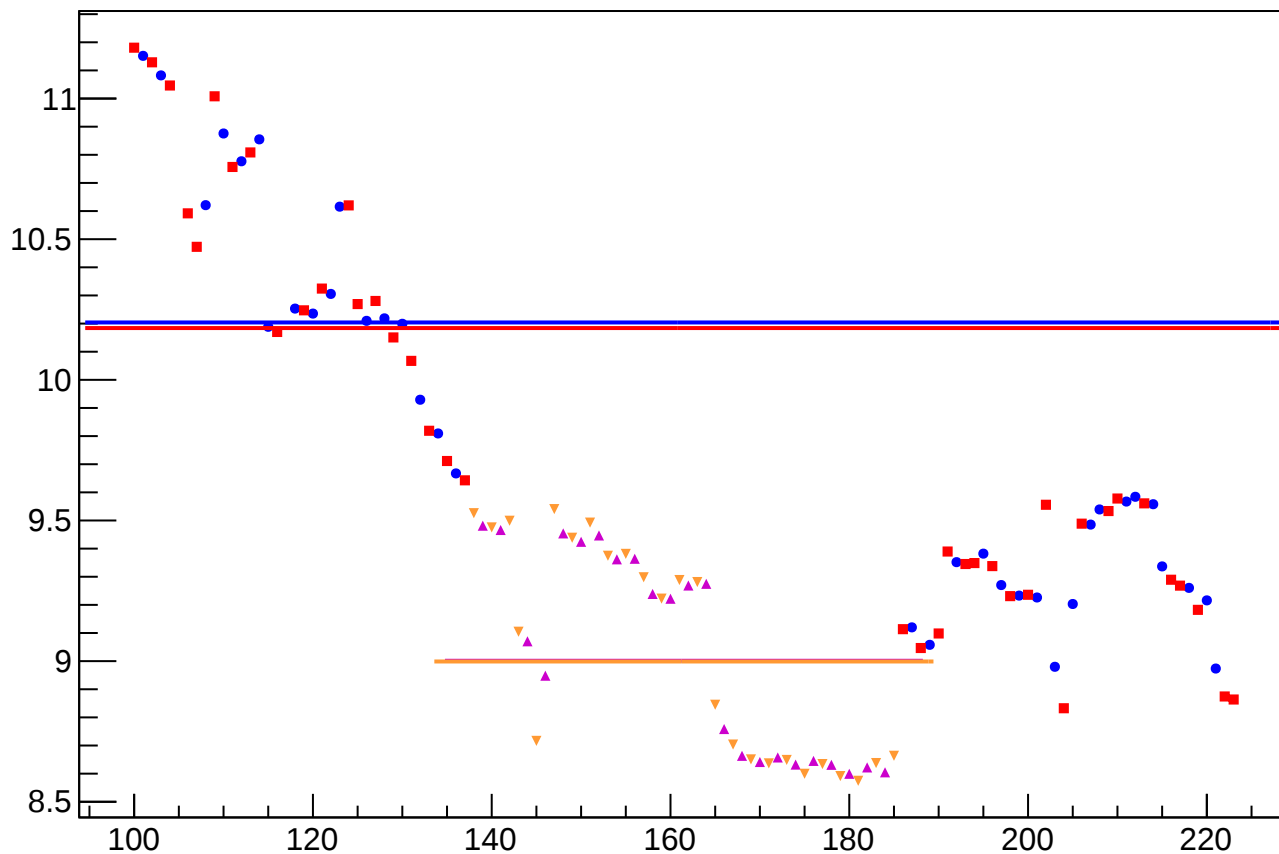
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3274848.3/59

All: 0.033 $\pm$ 0.000 χ^2 /NDF: 6772771.8/121

- sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3489771.2/61

yield_sam6_mean vs Slug



Right In: 10.204 $\pm$ 0.000 χ^2 /NDF: 20403549793.1/34

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.184 $\pm$ 0.000 χ^2 /NDF: 19492030995.4/38

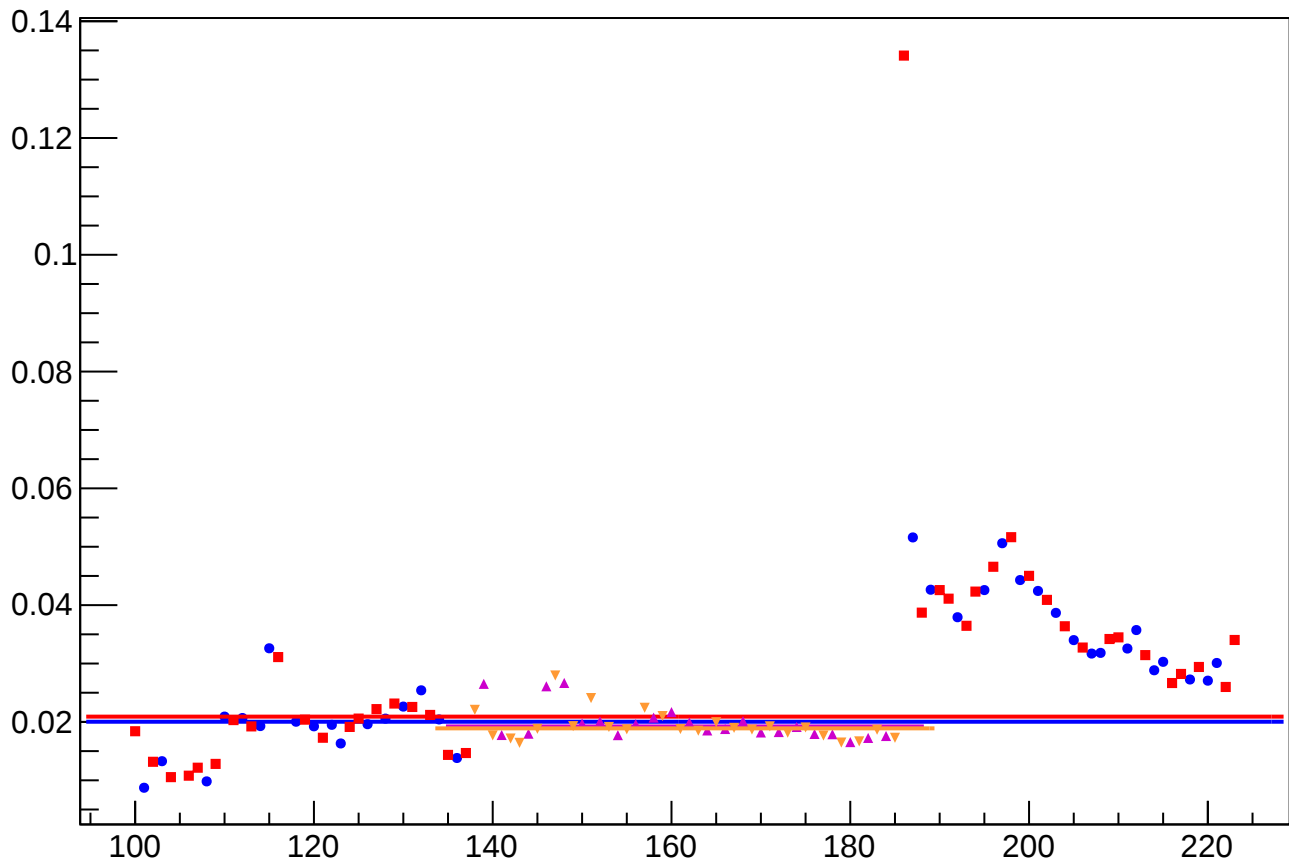
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.530 $\pm$ 0.000 χ^2 /NDF: 56886473544.5/59

All: 9.535 $\pm$ 0.000 χ^2 /NDF: 109025999787.8

- sign 9.541 $\pm$ 0.000 χ^2 /NDF: 52134768933.3/61

yield_sam6_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 7975854.9/34

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.021+/-0.000 χ^2/NDF : 7698106.9/38

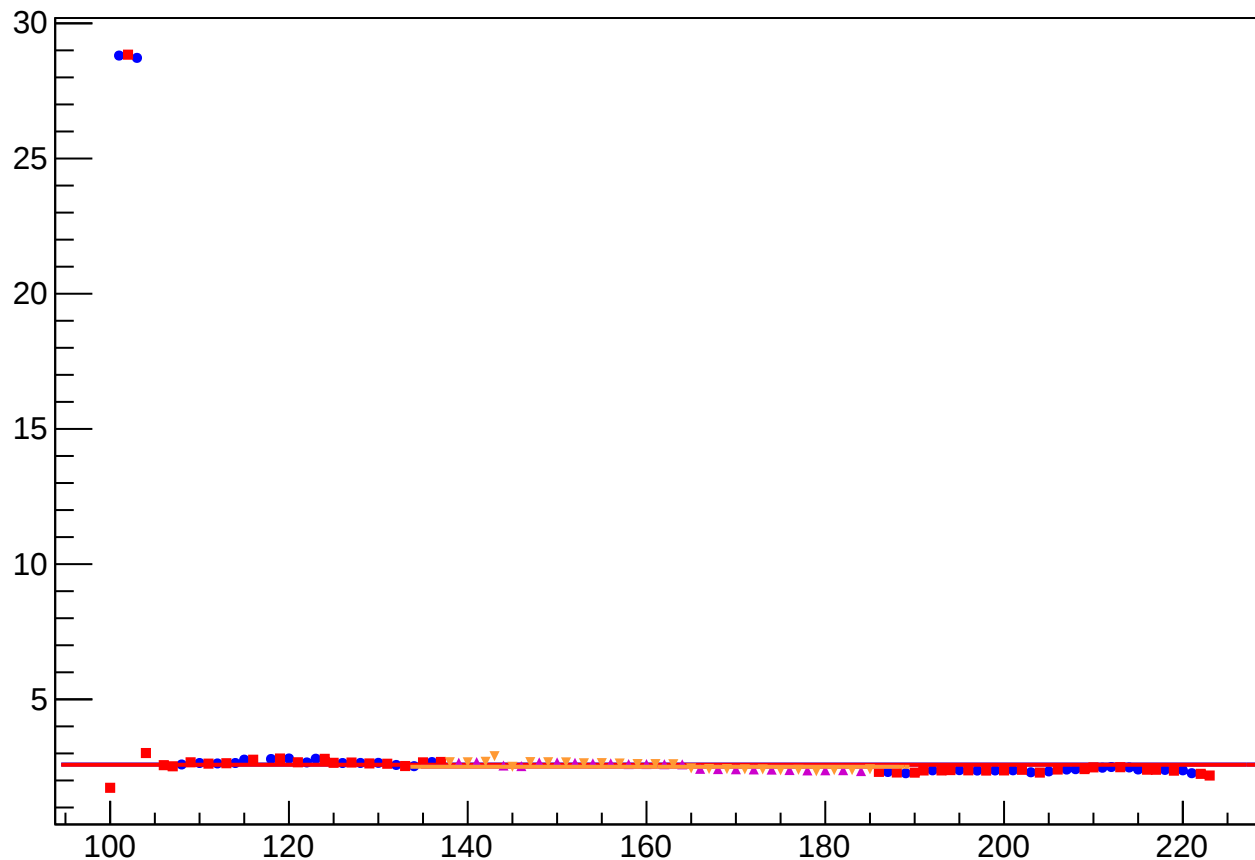
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.019+/-0.000 χ^2/NDF : 8457394.4/59

All: 0.020+/-0.000 χ^2/NDF : 16776222.5/121

- sign 0.020+/-0.000 χ^2/NDF : 8290179.4/61

yield_sam7_mean vs Slug



Right In: 2.589 $\pm$ 0.000 χ^2 /NDF: 193865197262.2/34

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.581 $\pm$ 0.000 χ^2 /NDF: 107748970050.0/38

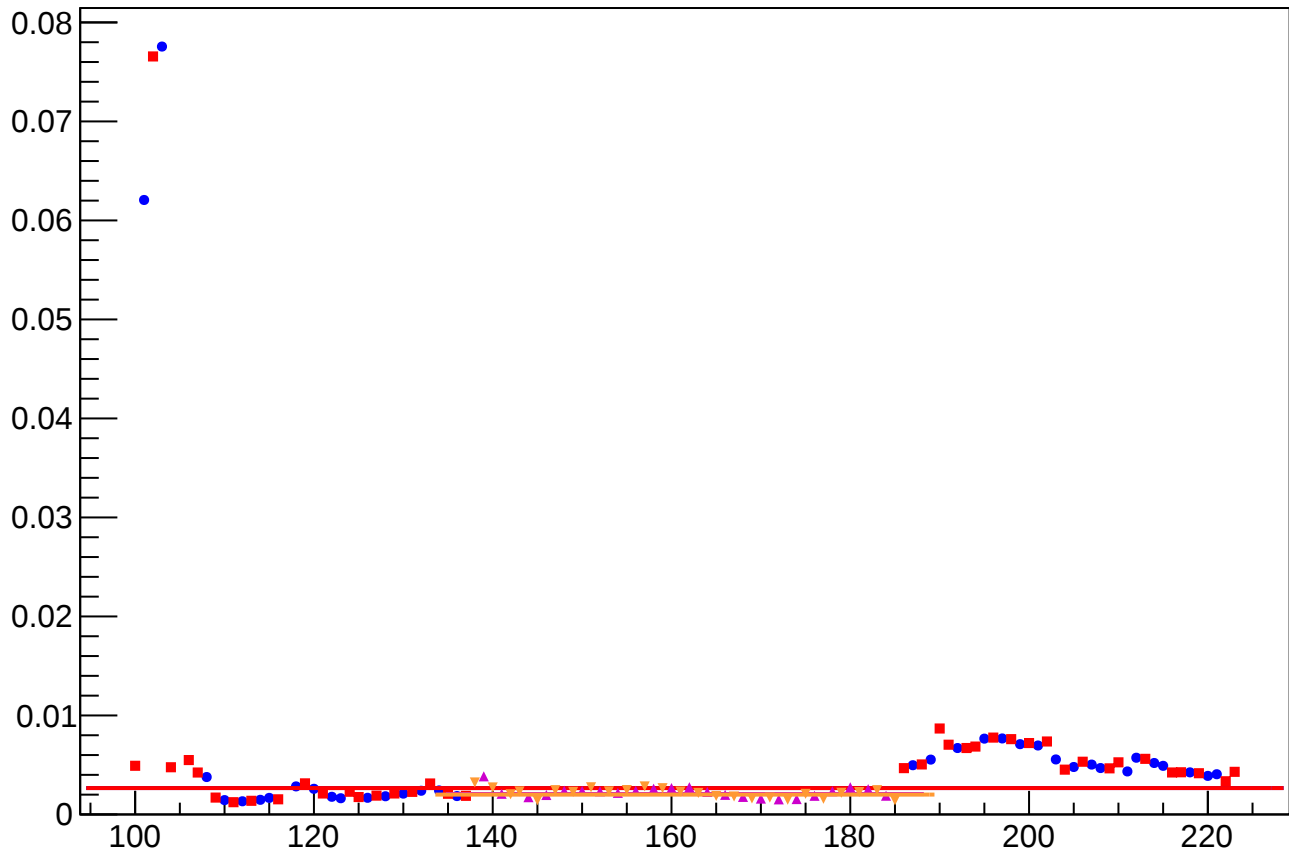
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.534 $\pm$ 0.000 χ^2 /NDF: 266415656406.0/59

All: 2.534 $\pm$ 0.000 χ^2 /NDF: 423986625434.1

- sign 2.533 $\pm$ 0.000 χ^2 /NDF: 157567894024.1/61

yield_sam7_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 11197341.7/34

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 11147977.6/38

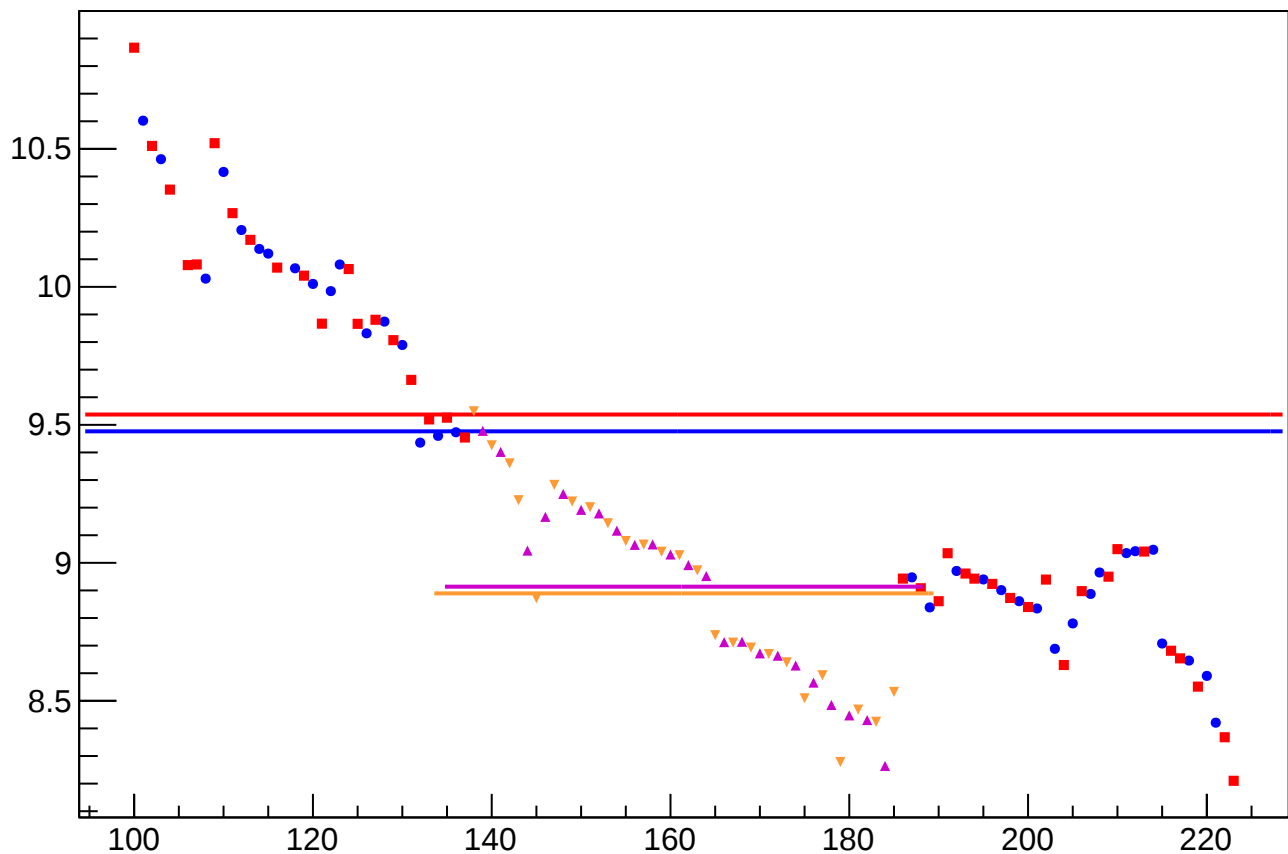
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13731475.7/59

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 27083419.8/121

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13336595.2/61

yield_sam8_mean vs Slug



Right In: 9.477 ± 0.000 χ^2/NDF : 137289941592.5/34

Left Out: 8.889 ± 0.000 χ^2/NDF : 34704694045.9/24

Right Out: 9.537 ± 0.000 χ^2/NDF : 162714767534.3/38

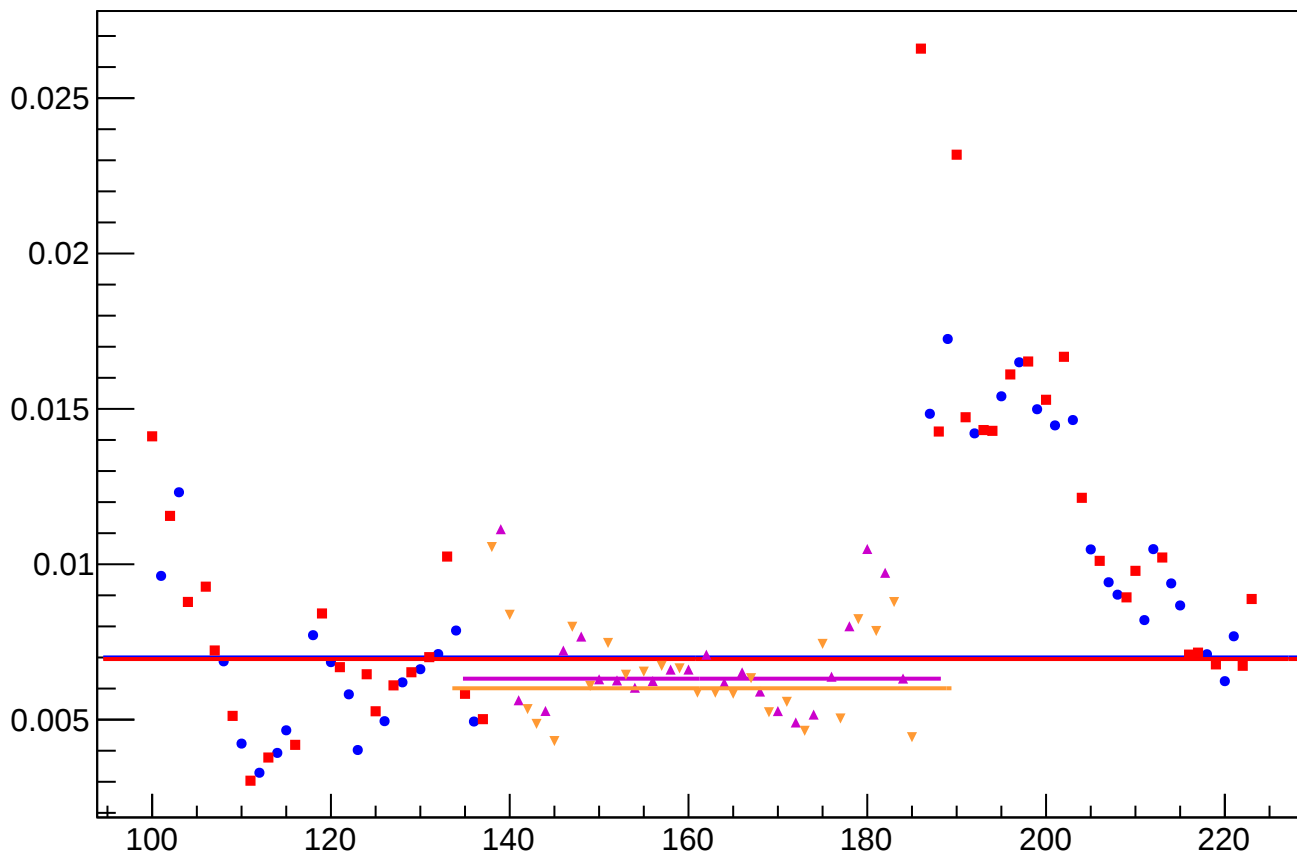
Left In: 8.914 ± 0.000 χ^2/NDF : 28497227562.7/22

+ sign 9.146 ± 0.000 χ^2/NDF : 232684270394.4/59

All: 9.178 ± 0.000 χ^2/NDF : 490024431171.5

- sign 9.211 ± 0.000 χ^2/NDF : 255868324456.5/61

yield_sam8_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6131712.3/34

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7584201.8/38

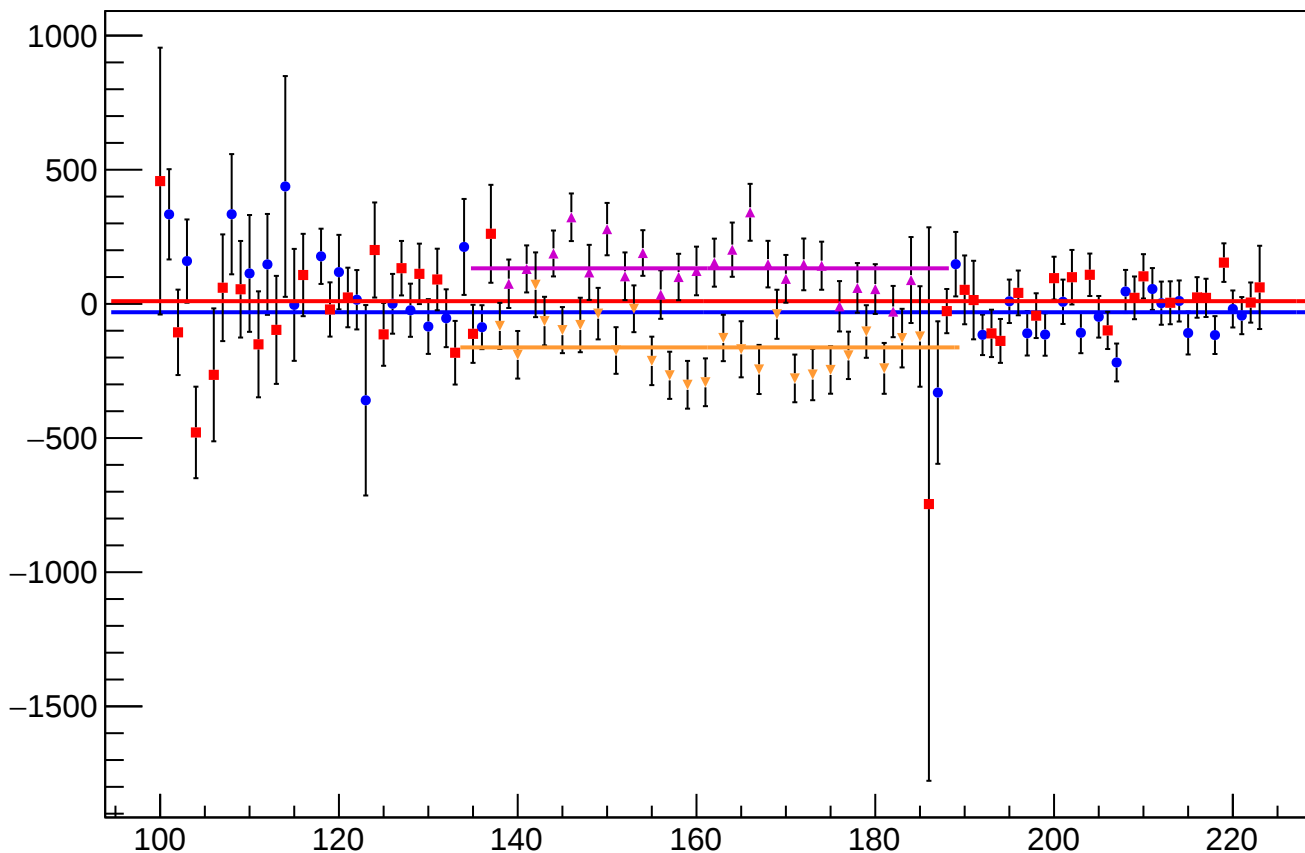
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7790876.1/59

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 16616327.8/121

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8803917.5/61

reg_asym_sam1_mean vs Slug



Right In: -31.104 ± 16.263 $\chi^2/\text{NDF}: 41.0/34$

Left Out: -162.161 ± 18.745 $\chi^2/\text{NDF}: 25.7/24$

Right Out: 10.142 ± 16.544 $\chi^2/\text{NDF}: 41.2/38$

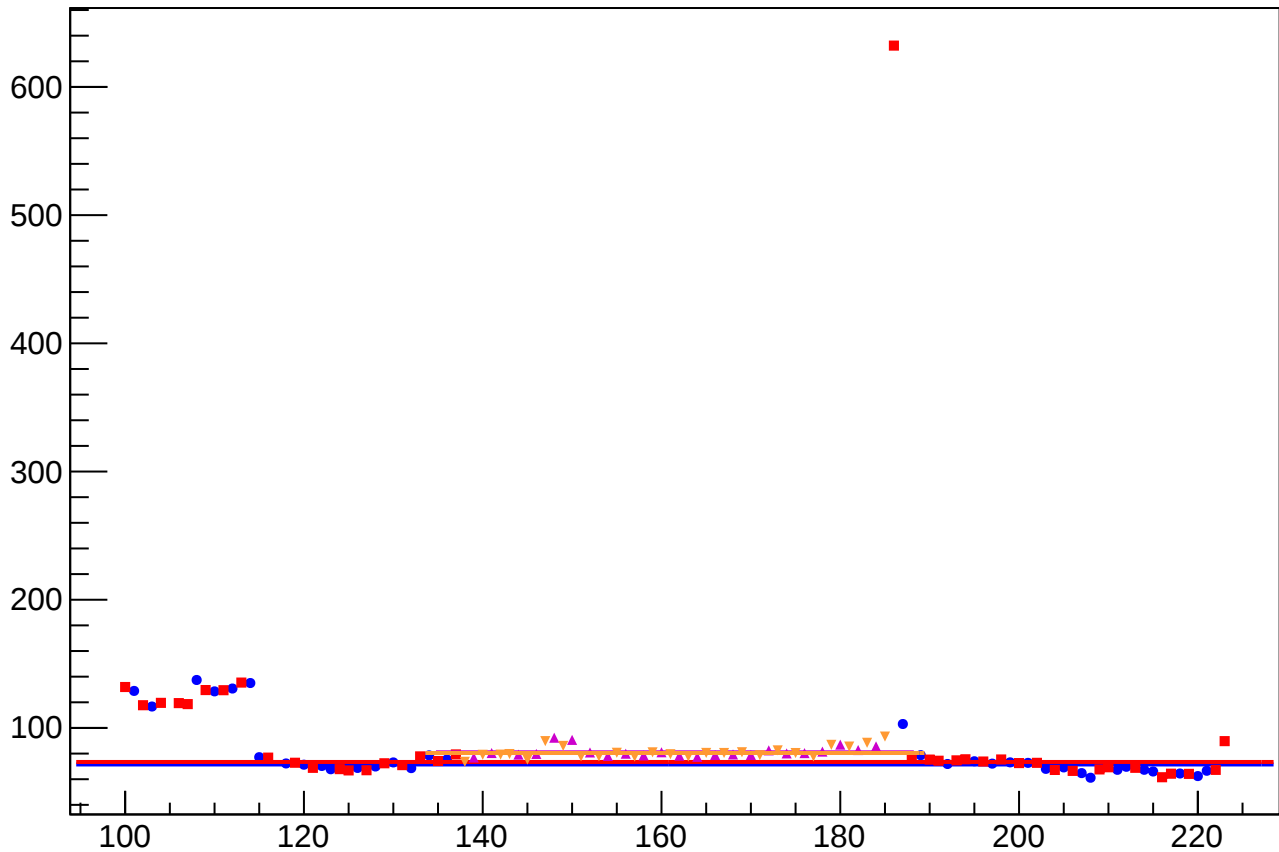
Left In: 132.557 ± 19.403 $\chi^2/\text{NDF}: 20.7/22$

+ sign -87.390 ± 12.284 $\chi^2/\text{NDF}: 94.5/59$

All: -14.685 ± 8.792 $\chi^2/\text{NDF}: 251.3/121$

- sign 61.674 ± 12.589 $\chi^2/\text{NDF}: 84.9/61$

reg_asym_sam1_rms vs Slug



Right In: 71.507 $\pm$ 0.011 χ^2 /NDF: 1154853.5/34

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 73.459 $\pm$ 0.012 χ^2 /NDF: 1873621.0/38

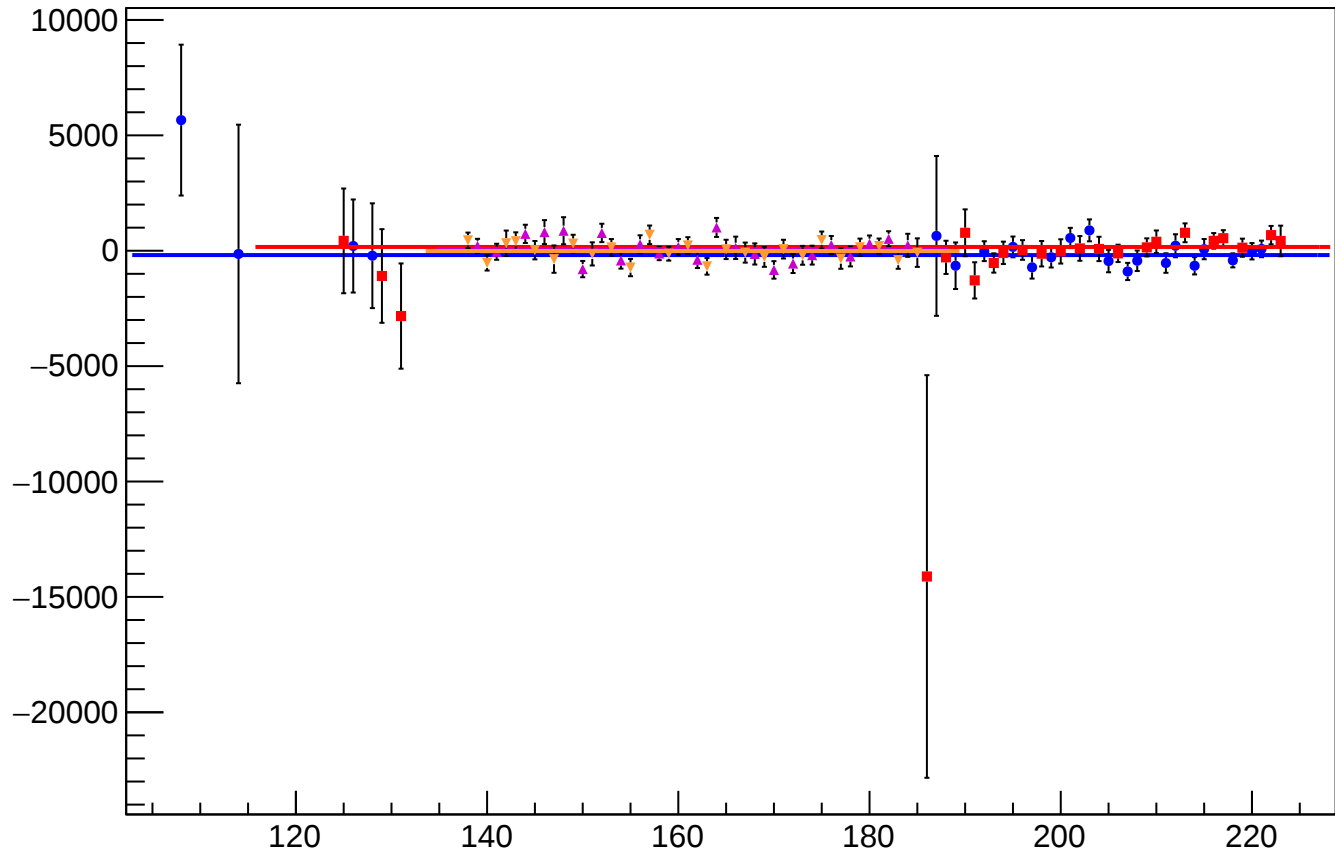
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 75.351 $\pm$ 0.009 χ^2 /NDF: 1505030.2/59

All: 75.980 $\pm$ 0.006 χ^2 /NDF: 3637181.5/121

- sign 76.639 $\pm$ 0.009 χ^2 /NDF: 2121429.1/61

asym_sam1_correction_mean vs Slug



Right In: -187.890 ± 102.170 χ^2/NDF : 22.2/21

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: 164.047 ± 105.081 χ^2/NDF : 19.2/22

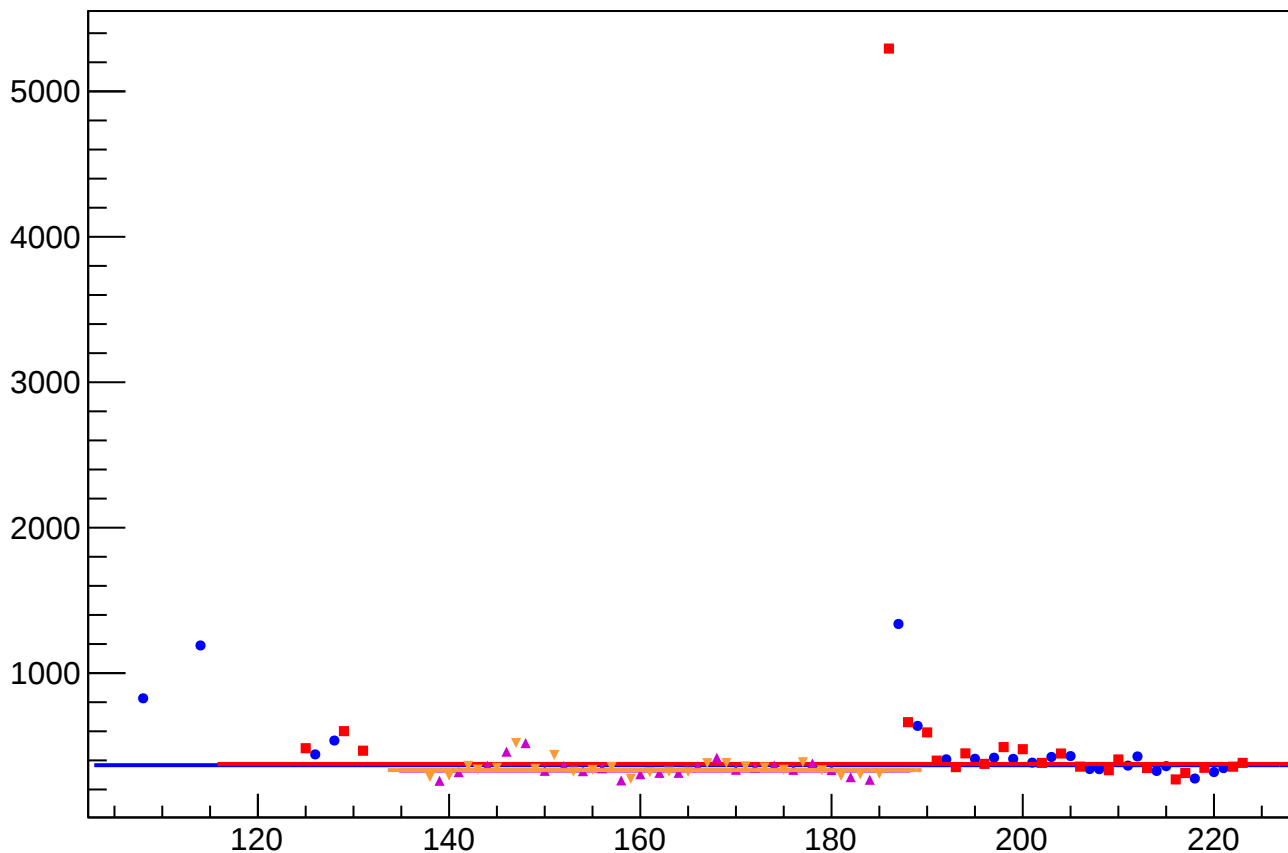
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -76.223 ± 62.194 χ^2/NDF : 46.7/46

All: 10.356 ± 44.492 χ^2/NDF : 107.8/92

- sign 101.111 ± 63.676 χ^2/NDF : 57.2/45

asym_sam1_correction_rms vs Slug



Right In: 367.003 $\pm$ 0.072 χ^2 /NDF: 833898.8/21

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 375.467 $\pm$ 0.074 χ^2 /NDF: 1655935.2/22

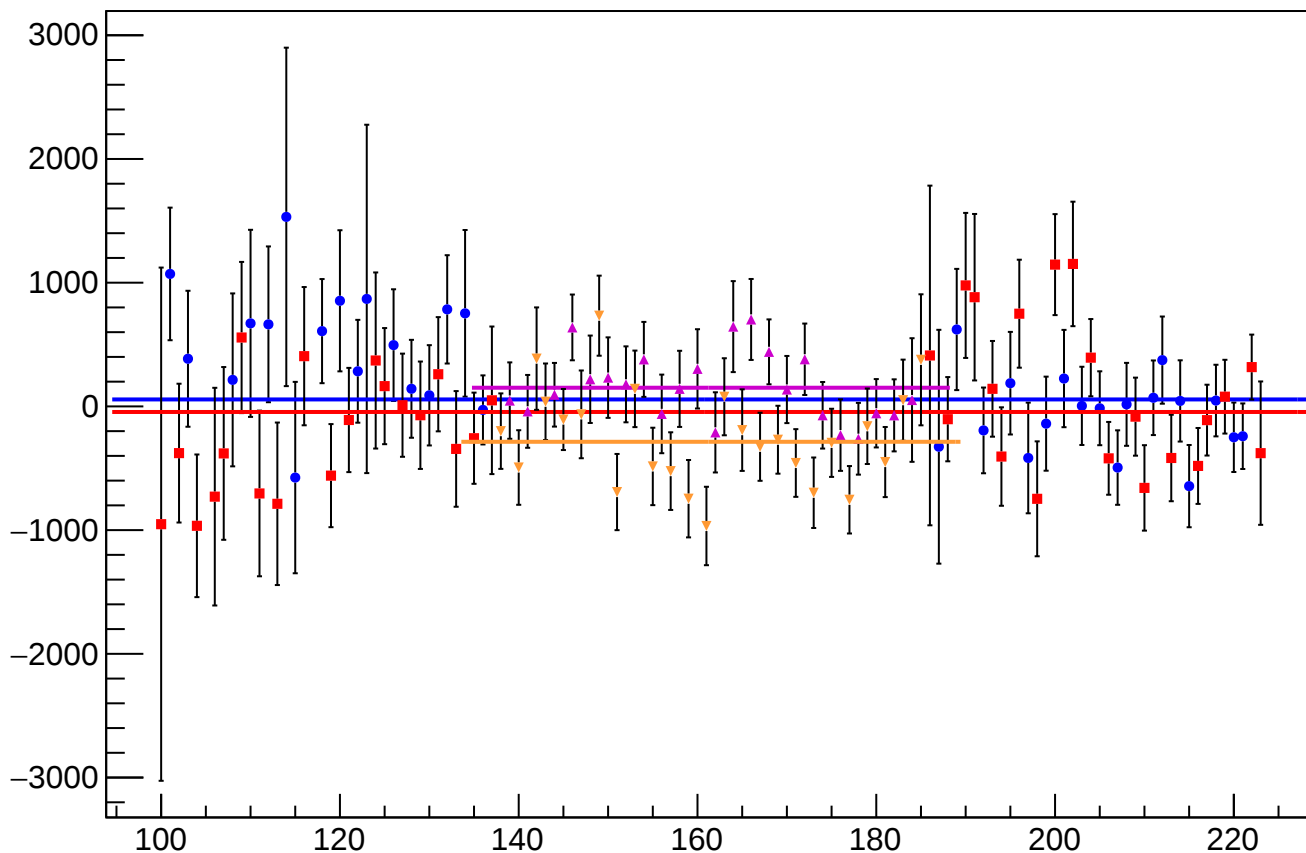
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 345.747 $\pm$ 0.044 χ^2 /NDF: 1563555.8/46

All: 346.205 $\pm$ 0.031 χ^2 /NDF: 4252777.7/92

- sign 346.686 $\pm$ 0.045 χ^2 /NDF: 2688998.9/45

reg_asym_sam2_mean vs Slug



Right In: 56.276 ± 66.936 $\chi^2/\text{NDF}: 31.5/34$

Left Out: -286.030 ± 61.095 $\chi^2/\text{NDF}: 36.6/24$

Right Out: -45.067 ± 68.088 $\chi^2/\text{NDF}: 49.4/38$

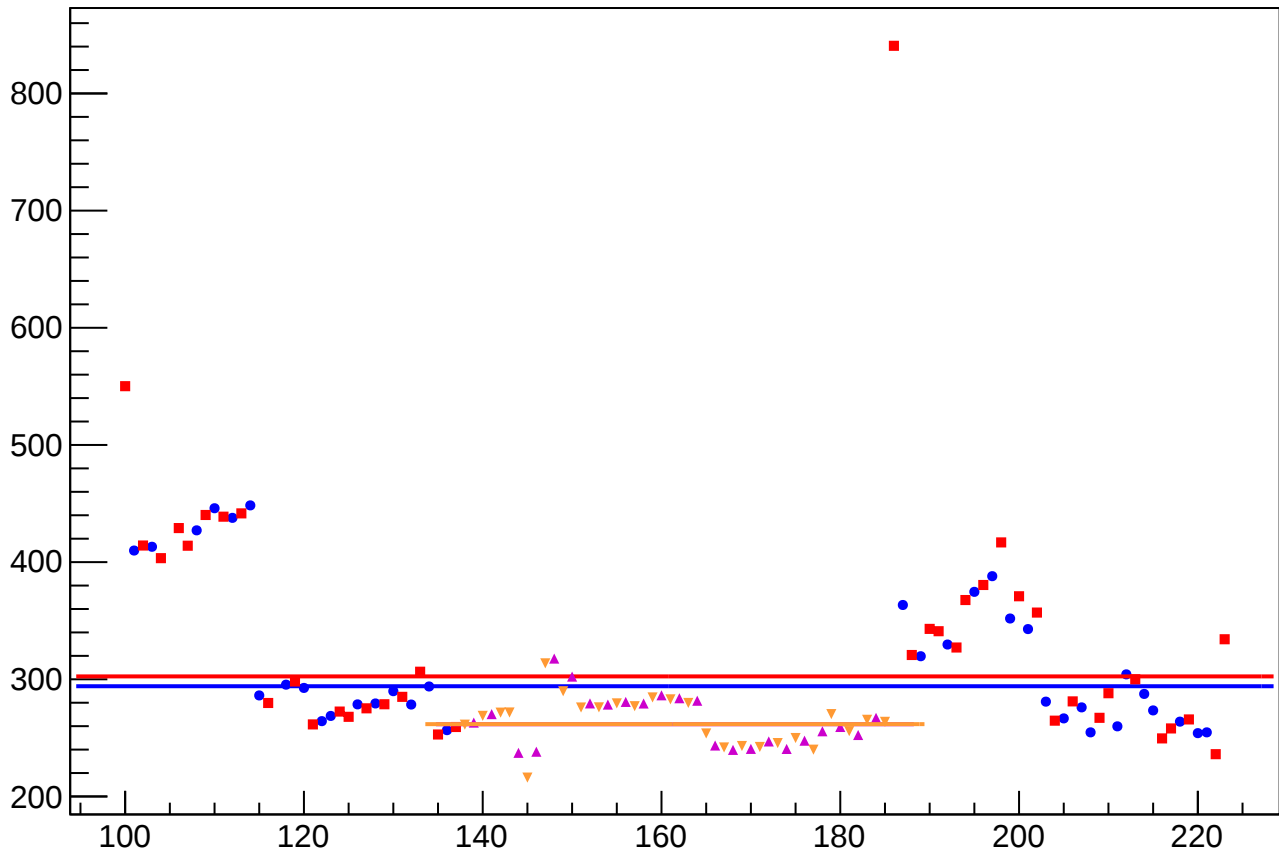
Left In: 150.920 ± 62.818 $\chi^2/\text{NDF}: 18.7/22$

+ sign -130.461 ± 45.124 $\chi^2/\text{NDF}: 82.3/59$

All: -37.019 ± 32.271 $\chi^2/\text{NDF}: 163.7/121$

- sign 60.804 ± 46.170 $\chi^2/\text{NDF}: 72.6/61$

reg_asym_sam2_rms vs Slug



Right In: 294.081+/-0.047 χ^2/NDF : 1000933.6/34

Left Out: 261.722+/-0.043 χ^2/NDF : 233222.6/24

Right Out: 302.475+/-0.048 χ^2/NDF : 1632908.3/38

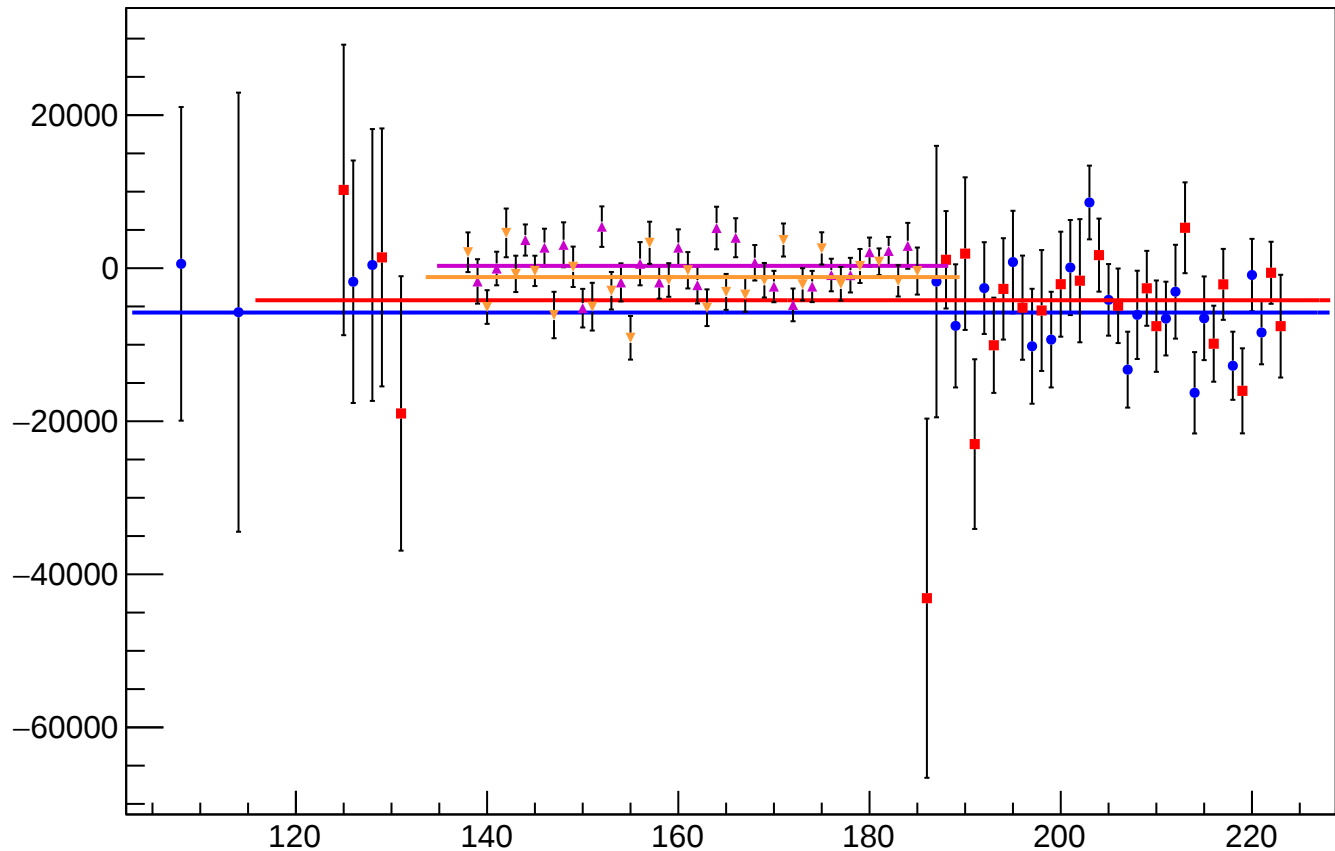
Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

+ sign 276.428+/-0.032 χ^2/NDF : 1489151.6/59

All: 278.376+/-0.023 χ^2/NDF : 3746598.0/123

- sign 280.414+/-0.033 χ^2/NDF : 2249821.1/61

asym_sam2_correction_mean vs Slug



Right In: -5795.488 ± 1291.032 χ^2/NDF : 22.5/21

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -4189.658 ± 1331.795 χ^2/NDF : 20.8/22

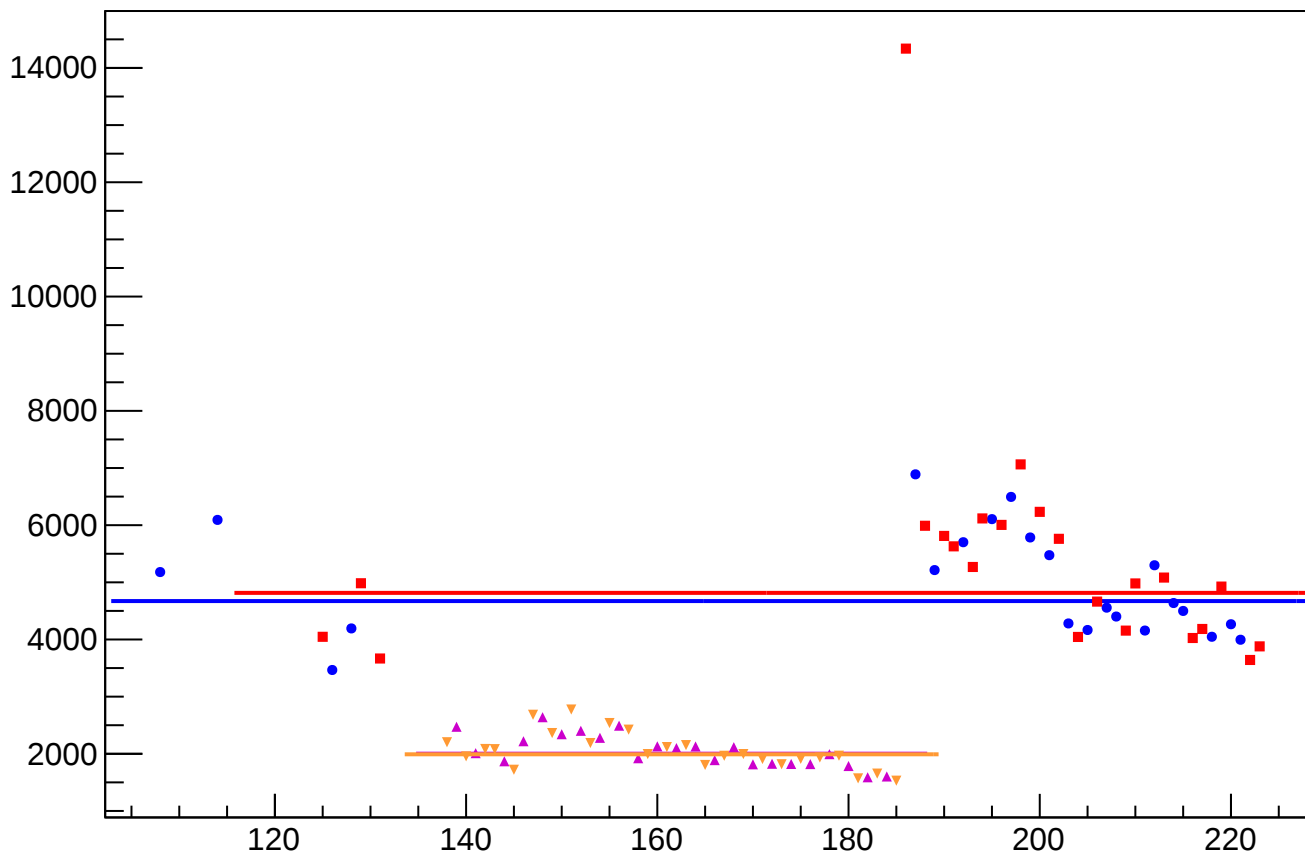
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1701.770 ± 440.844 χ^2/NDF : 72.7/46

All: -983.578 ± 316.512 χ^2/NDF : 144.4/92

- sign -219.506 ± 454.708 χ^2/NDF : 66.3/45

asym_sam2_correction_rms vs Slug



Right In: 4672.230 ± 0.913 χ^2/NDF : 619831.8/21

Left Out: 1991.105 ± 0.332 χ^2/NDF : 726310.6/24

Right Out: 4815.687 ± 0.942 χ^2/NDF : 1255263.7/22

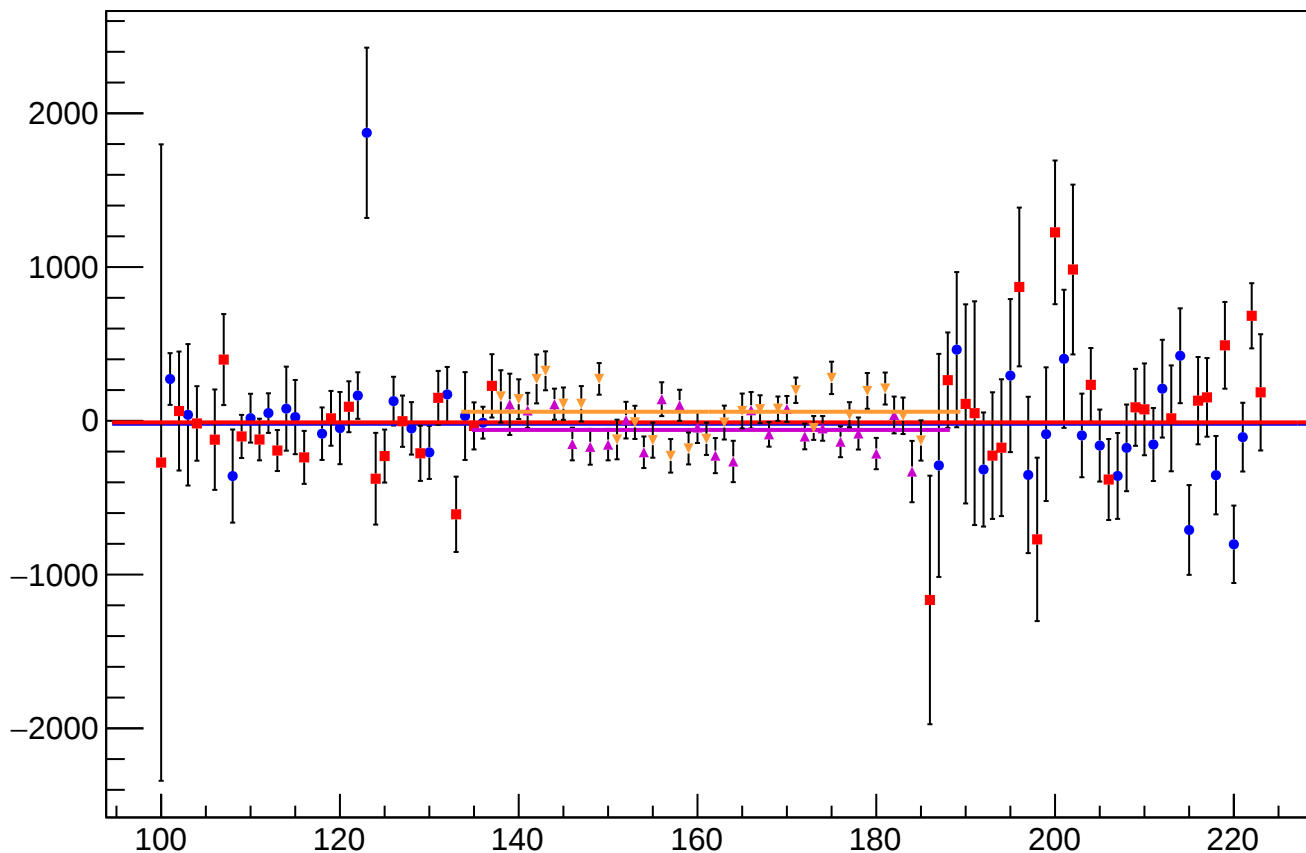
Left In: 2002.154 ± 0.342 χ^2/NDF : 585947.4/22

+ sign 2303.722 ± 0.312 χ^2/NDF : 8966015.4/46

All: 2316.517 ± 0.224 χ^2/NDF : 18696242.1/95

- sign 2330.130 ± 0.322 χ^2/NDF : 9726749.5/45

reg_asym_sam3_mean vs Slug



Right In: -19.182 ± 37.406 χ^2/NDF : 47.0/34

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -10.104 ± 37.404 χ^2/NDF : 56.3/38

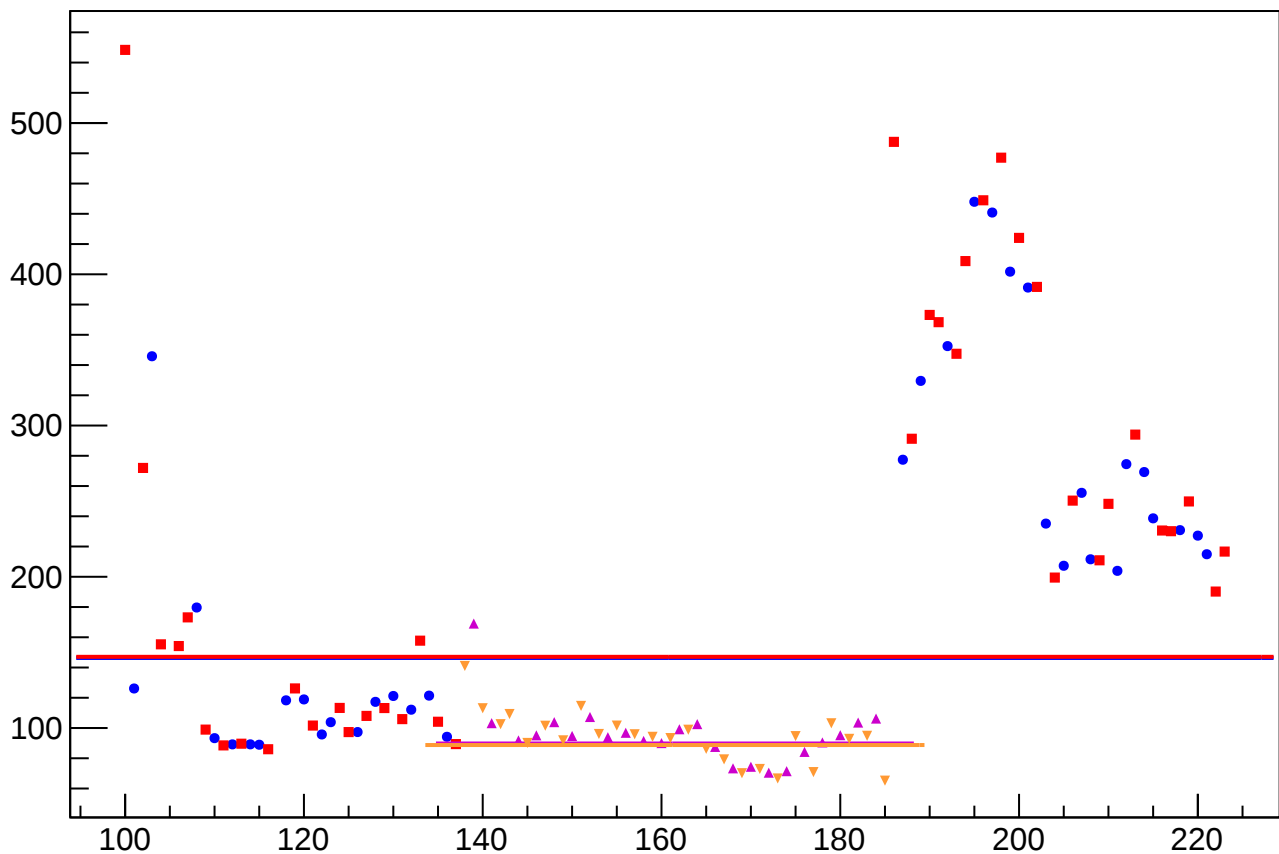
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 40.064 ± 18.402 χ^2/NDF : 97.3/59

All: -2.120 ± 13.189 χ^2/NDF : 195.0/121

- sign -46.674 ± 18.912 χ^2/NDF : 86.9/61

reg_asym_sam3_rms vs Slug



Right In: 146.324 $\pm$ 0.026 χ^2 /NDF: 8422681.6/34

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 147.074 $\pm$ 0.026 χ^2 /NDF: 9372850.1/38

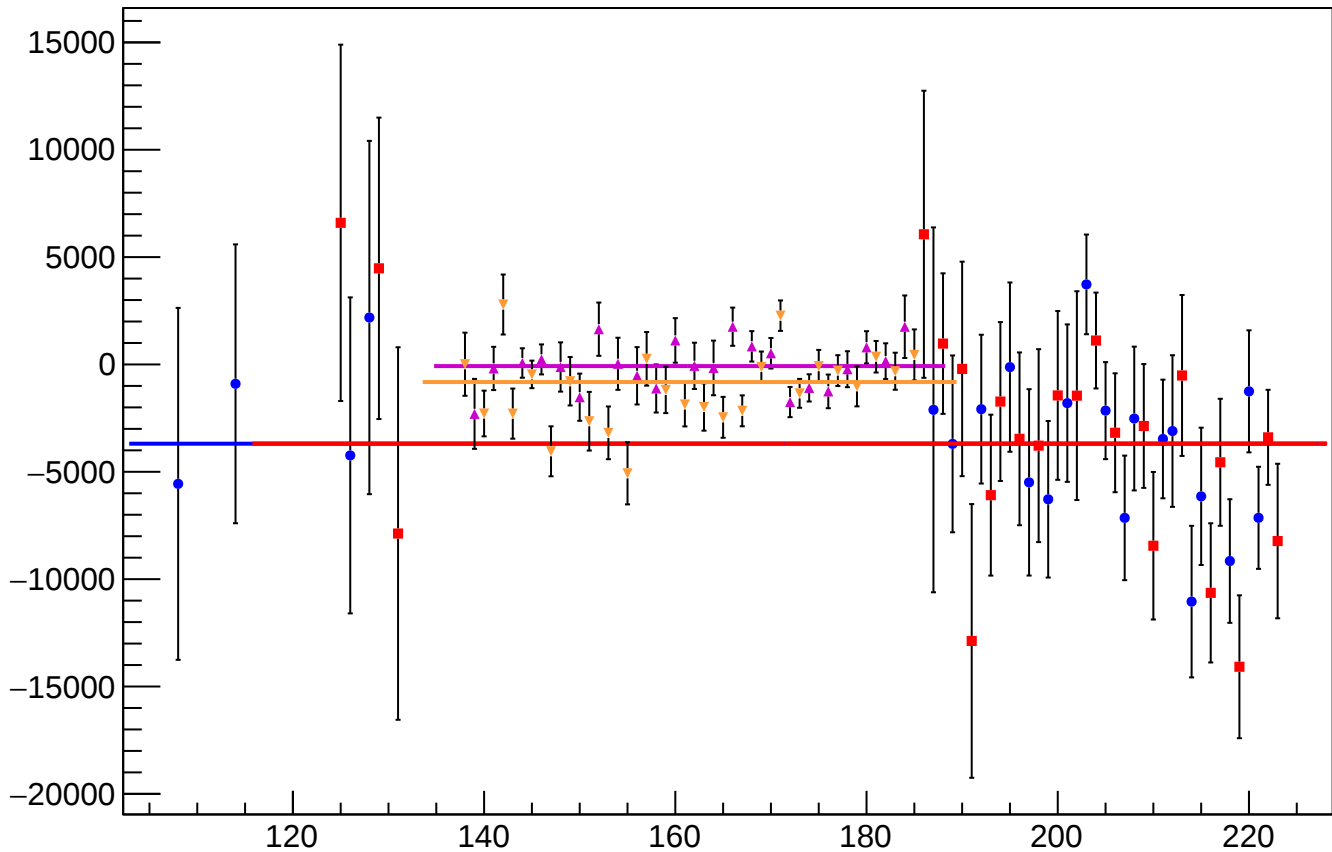
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 102.683 $\pm$ 0.013 χ^2 /NDF: 13093623.0/59

All: 103.527 $\pm$ 0.009 χ^2 /NDF: 26855532.8/12

- sign 104.417 $\pm$ 0.013 χ^2 /NDF: 13753278.5/61

asym_sam3_correction_mean vs Slug



Right In: -3690.396 $\pm$ 726.405 χ^2 /NDF: 26.4/21

Left Out: -818.877 $\pm$ 184.464 χ^2 /NDF: 68.2/24

Right Out: -3682.670 $\pm$ 749.601 χ^2 /NDF: 34.5/22

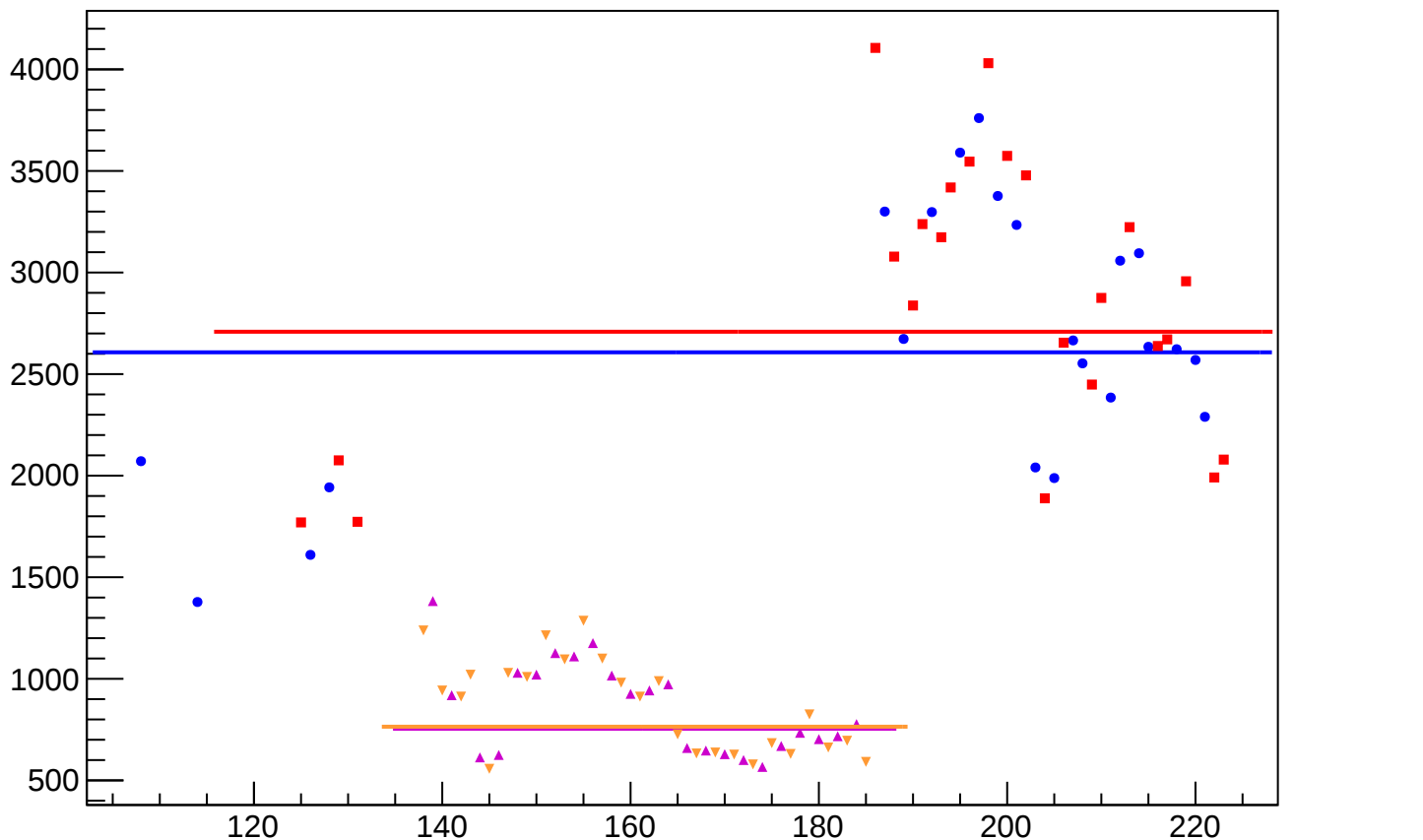
Left In: -76.204 $\pm$ 186.651 χ^2 /NDF: 28.3/22

+ sign -992.831 $\pm$ 178.789 χ^2 /NDF: 109.3/46

All: -644.366 $\pm$ 127.239 χ^2 /NDF: 201.6/92

- sign -286.754 $\pm$ 181.120 χ^2 /NDF: 84.6/45

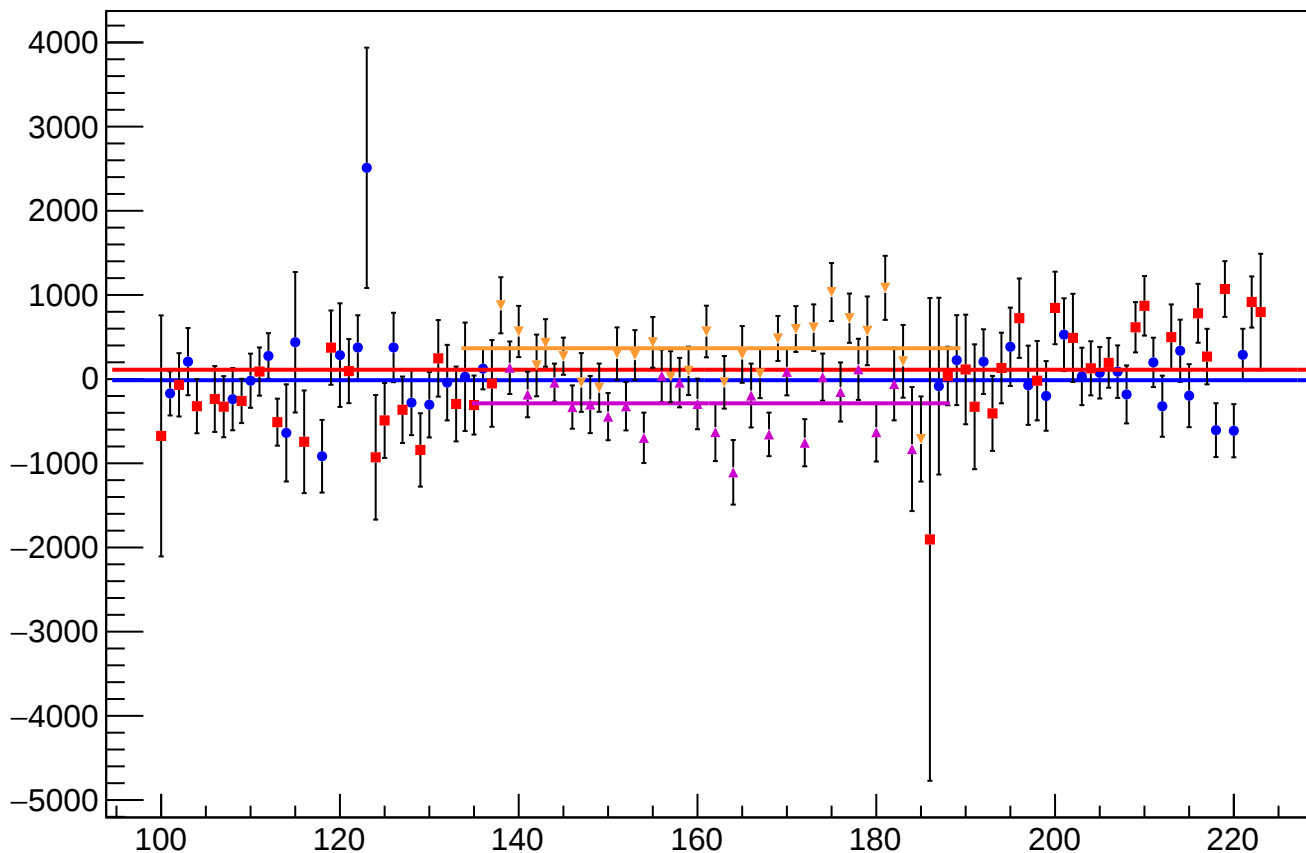
asym_sam3_correction_rms vs Slug



Right In: 2607.196 ± 0.514 χ^2/NDF : 1027101.4/21
 Left Out: 764.280 ± 0.130 χ^2/NDF : 2315985.8/24
 Right Out: 2708.535 ± 0.530 χ^2/NDF : 1317702.3/22
 Left In: 754.027 ± 0.132 χ^2/NDF : 2013386.7/22

+ sign 875.922 ± 0.126 χ^2/NDF : 15436347.5/46
 All: 872.078 ± 0.090 χ^2/NDF : 31572543.7/92
 - sign 868.134 ± 0.128 χ^2/NDF : 16134323.0/45

reg_asym_sam4_mean vs Slug



Right In: -12.810 ± 63.513 χ^2/NDF : 28.5/34

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: 111.595 ± 62.794 χ^2/NDF : 62.6/38

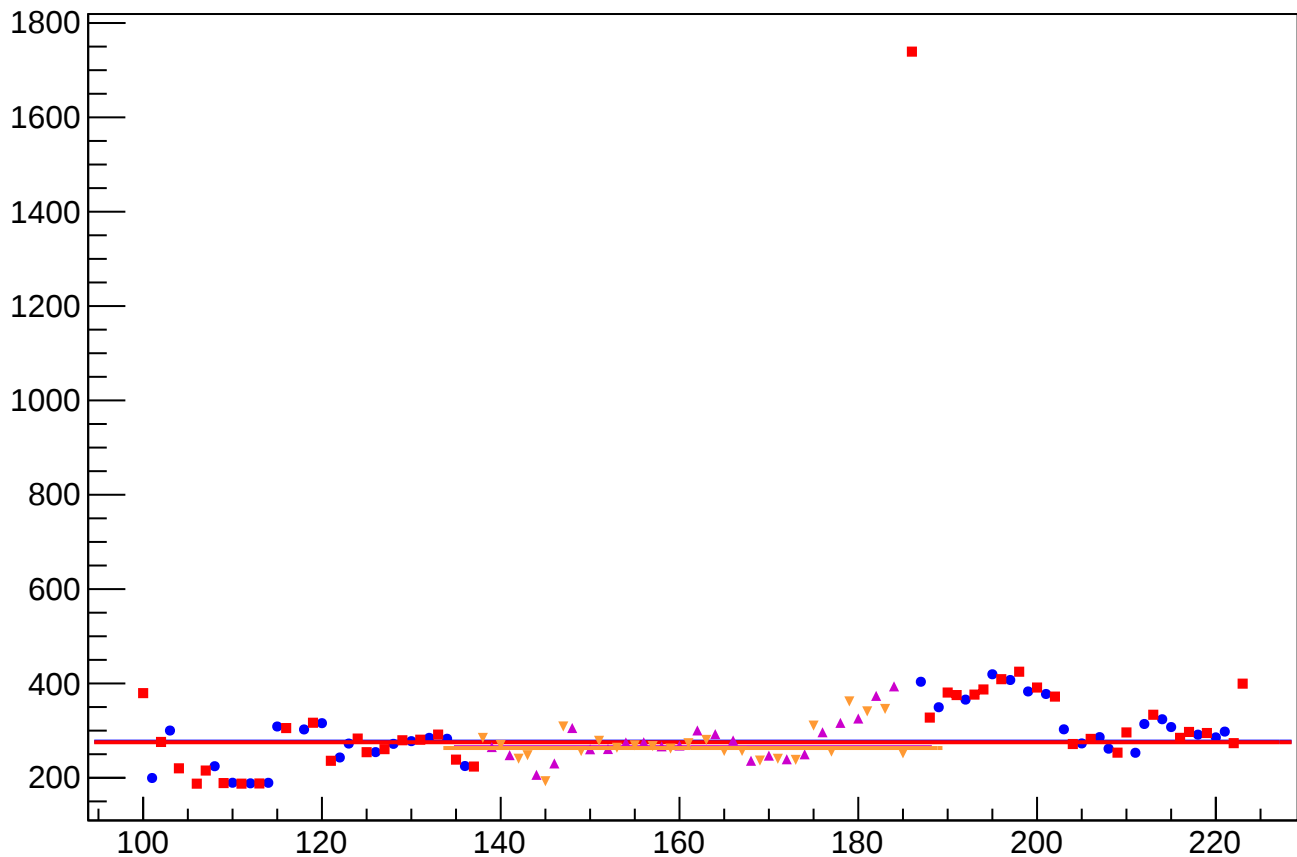
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 181.861 ± 44.345 χ^2/NDF : 75.1/59

All: 50.697 ± 31.541 χ^2/NDF : 199.1/121

- sign -83.594 ± 44.870 χ^2/NDF : 106.3/61

reg_asym_sam4_rms vs Slug



Right In: 276.700 $\pm$ 0.045 χ^2 /NDF: 1626646.8/34

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 275.374 $\pm$ 0.044 χ^2 /NDF: 2543632.8/38

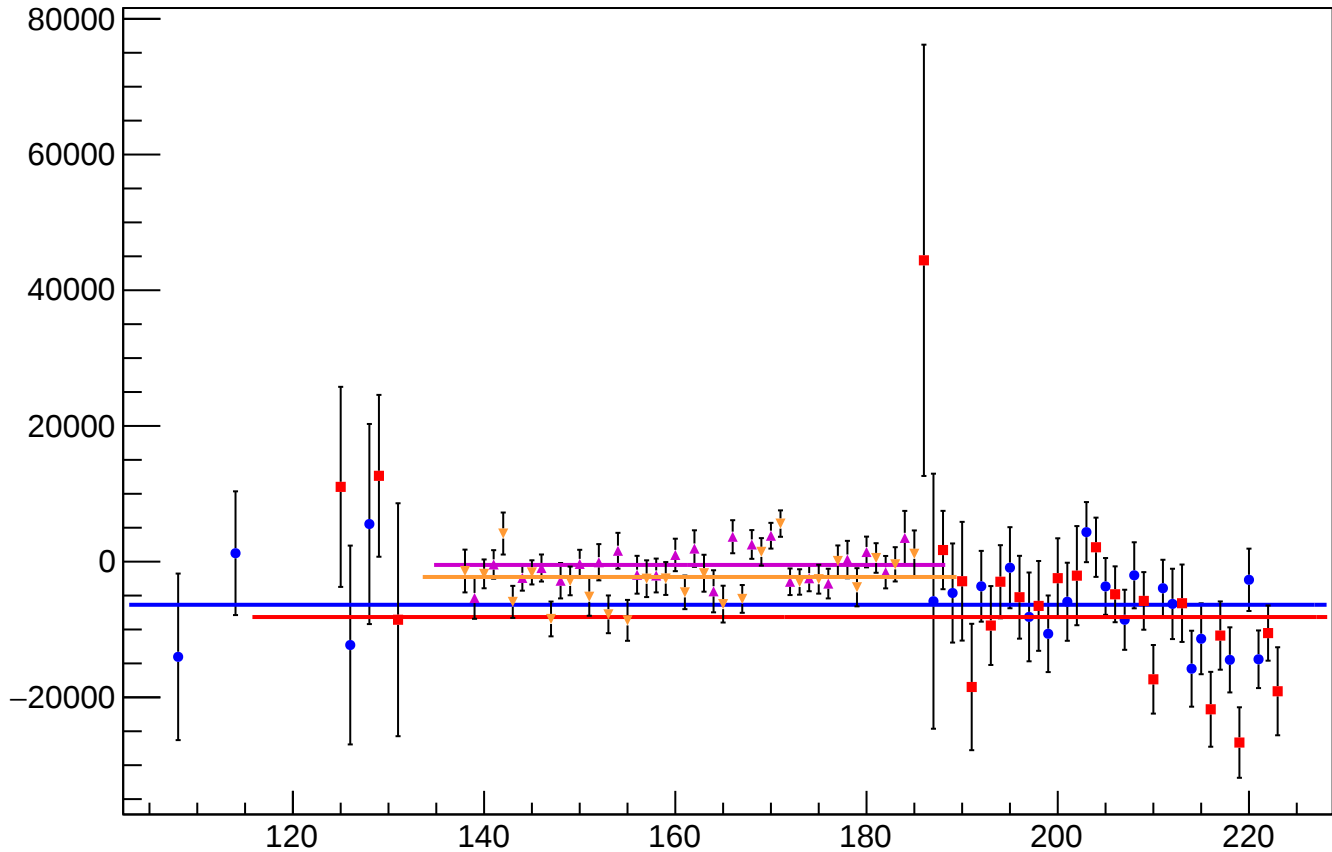
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 269.731 $\pm$ 0.031 χ^2 /NDF: 2315853.2/59

All: 269.992 $\pm$ 0.022 χ^2 /NDF: 5495763.5/123

- sign 270.259 $\pm$ 0.032 χ^2 /NDF: 3179770.2/61

asym_sam4_correction_mean vs Slug



Right In: -6358.121 ± 1187.147 χ^2/NDF : 22.2/21

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -8164.838 ± 1228.696 χ^2/NDF : 47.1/22

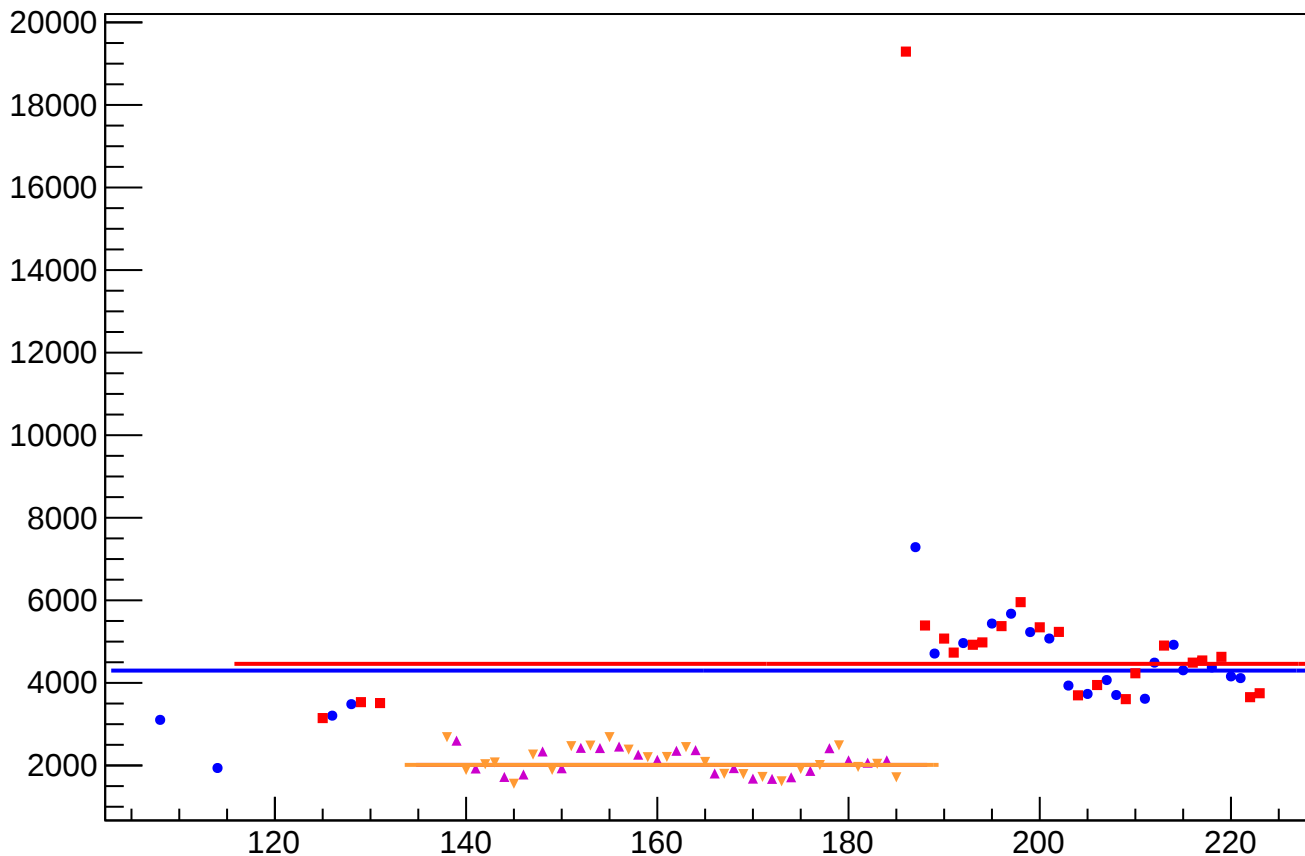
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2826.406 ± 441.277 χ^2/NDF : 84.8/46

All: -2195.308 ± 316.130 χ^2/NDF : 194.6/92

- sign -1529.913 ± 453.109 χ^2/NDF : 105.6/45

asym_sam4_correction_rms vs Slug



Right In: 4298.229+/-0.839 χ^2/NDF : 683781.9/21

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4461.413+/-0.869 χ^2/NDF : 1073472.8/22

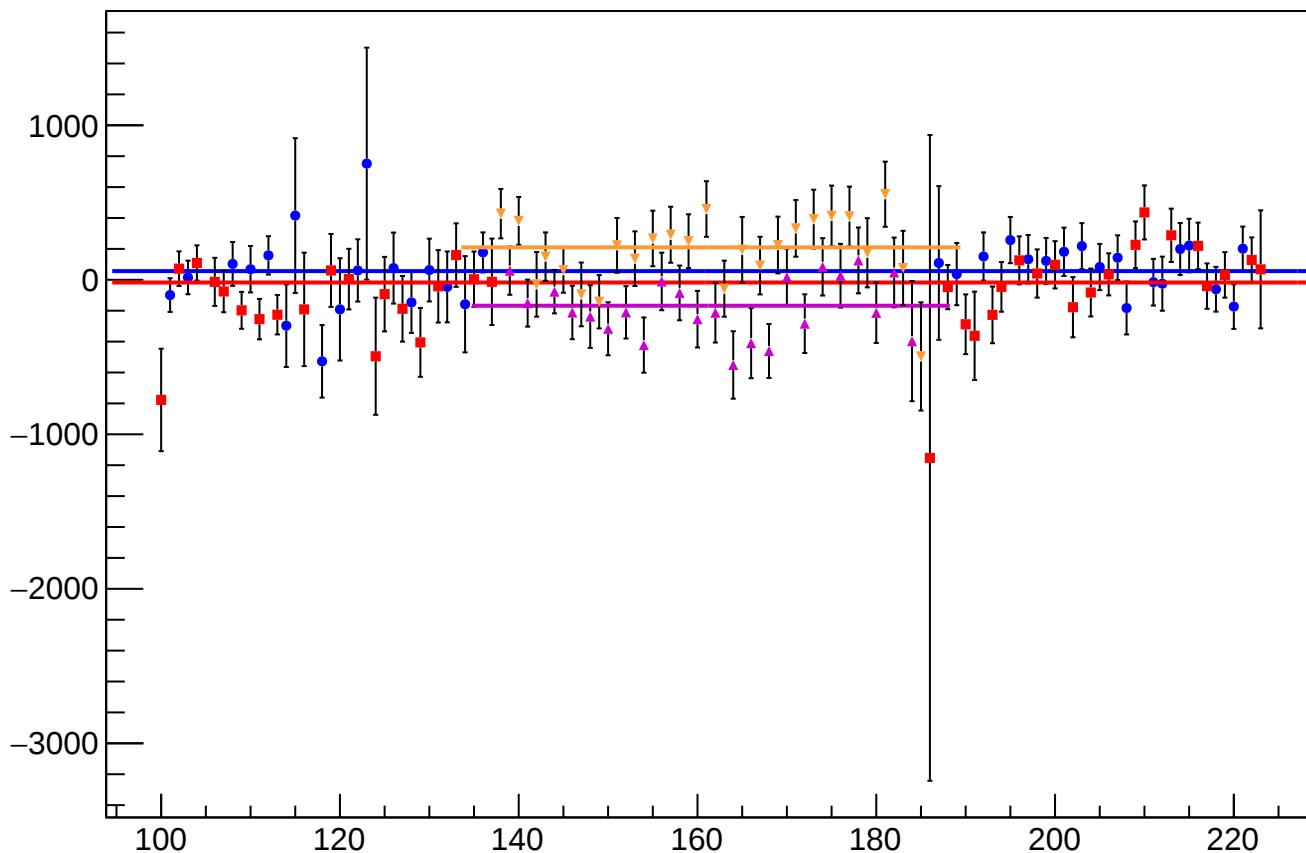
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2329.703+/-0.312 χ^2/NDF : 7900335.7/46

All: 2337.723+/-0.224 χ^2/NDF : 16497504.6/9

- sign 2346.179+/-0.320 χ^2/NDF : 8595811.7/45

reg_asym_sam5_mean vs Slug



Right In: 56.217 ± 28.171 χ^2/NDF : 28.5/34

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -17.431 ± 27.113 χ^2/NDF : 45.8/38

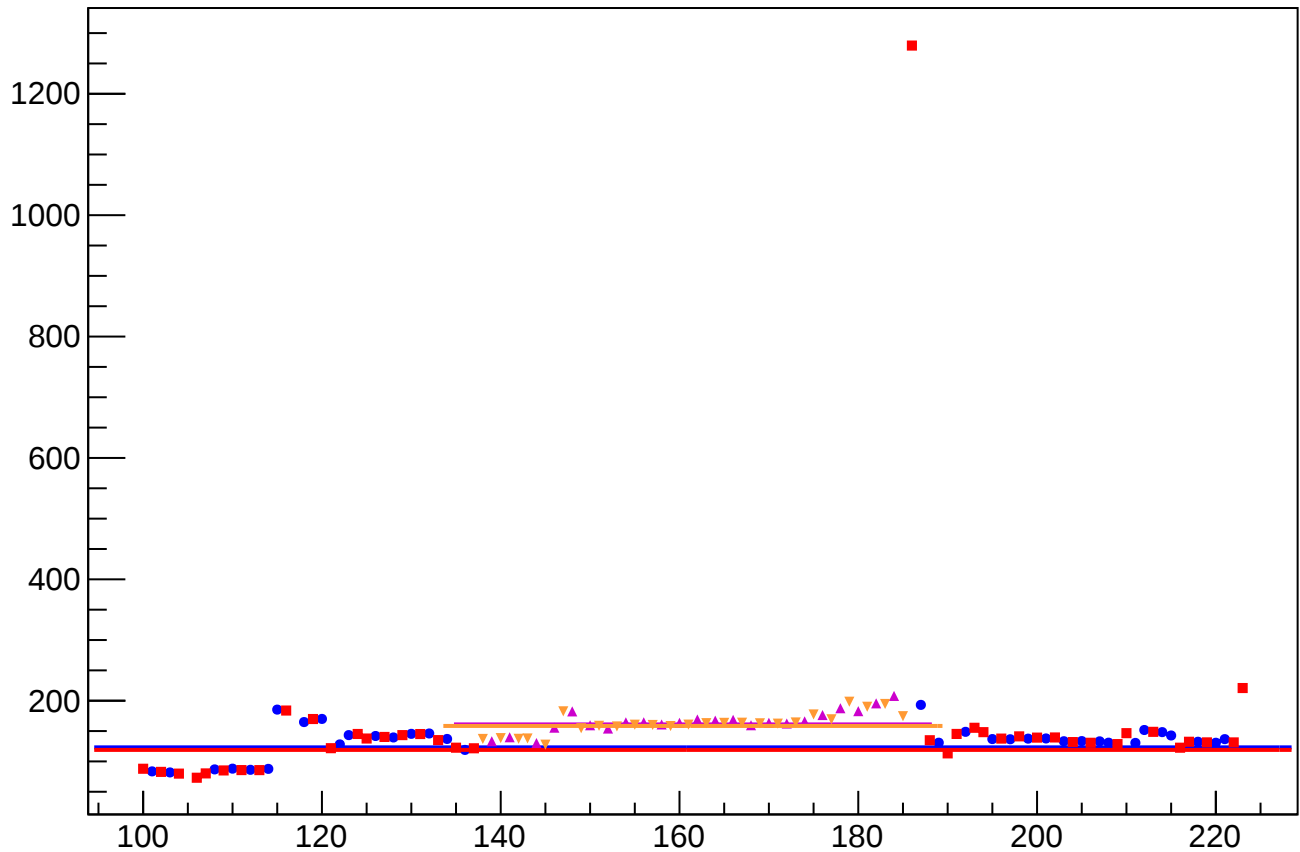
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 112.501 ± 22.434 χ^2/NDF : 67.0/59

All: 21.888 ± 15.783 χ^2/NDF : 176.3/121

- sign -66.915 ± 22.209 χ^2/NDF : 77.0/61

reg_asym_sam5_rms vs Slug



Right In: 123.142 $\pm$ 0.020 χ^2 /NDF: 1574114.7/34

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 118.959 $\pm$ 0.019 χ^2 /NDF: 2754708.7/38

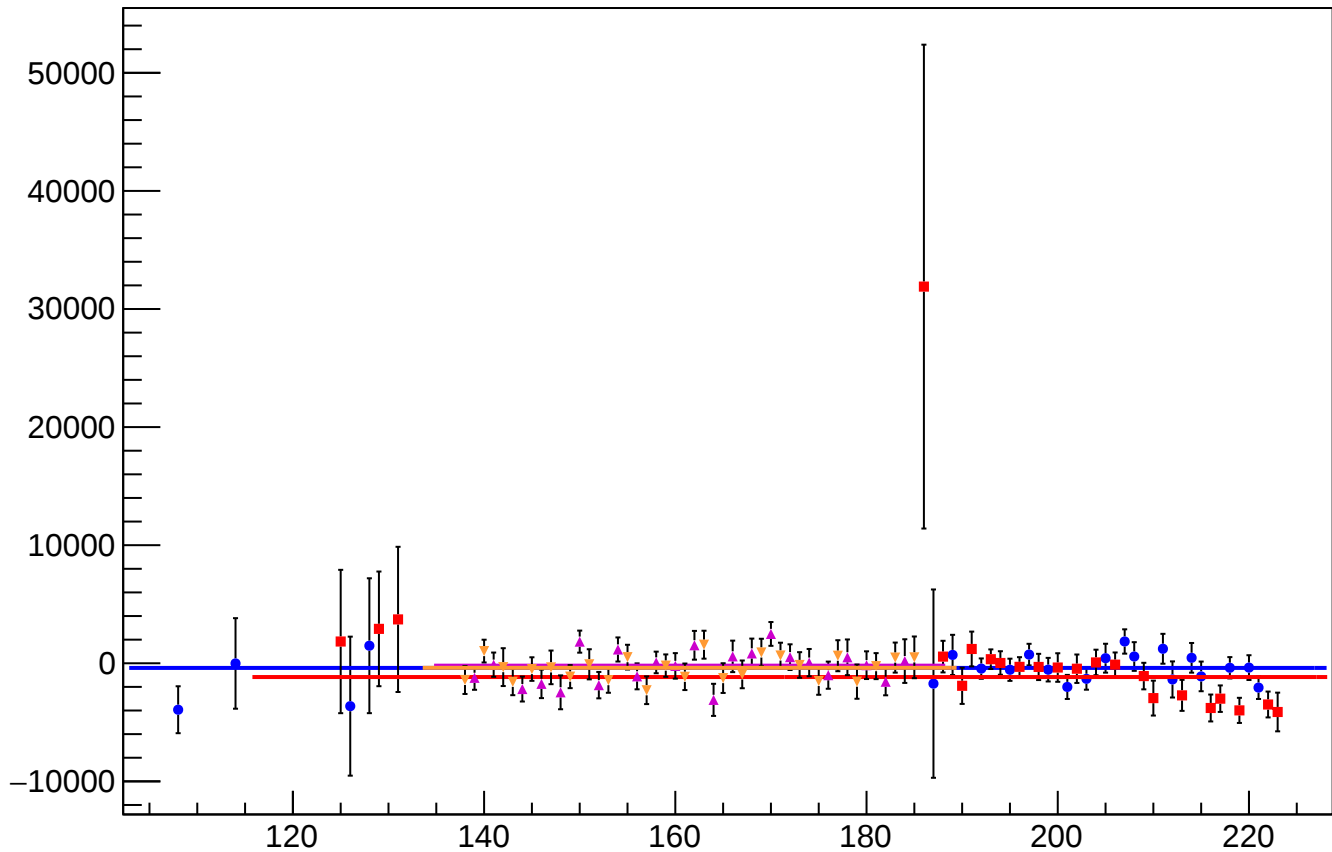
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 136.054 $\pm$ 0.016 χ^2 /NDF: 3157036.4/59

All: 134.398 $\pm$ 0.011 χ^2 /NDF: 7891256.8/121

- sign 132.774 $\pm$ 0.016 χ^2 /NDF: 4712638.6/61

asym_sam5_correction_mean vs Slug



Right In: -393.321+/-254.931 χ^2 /NDF: 20.8/21

Left Out: -385.018+/-231.833 χ^2 /NDF:18.1/24

Right Out: -1165.837+/-258.529 χ^2 /NDF: 43.9/22

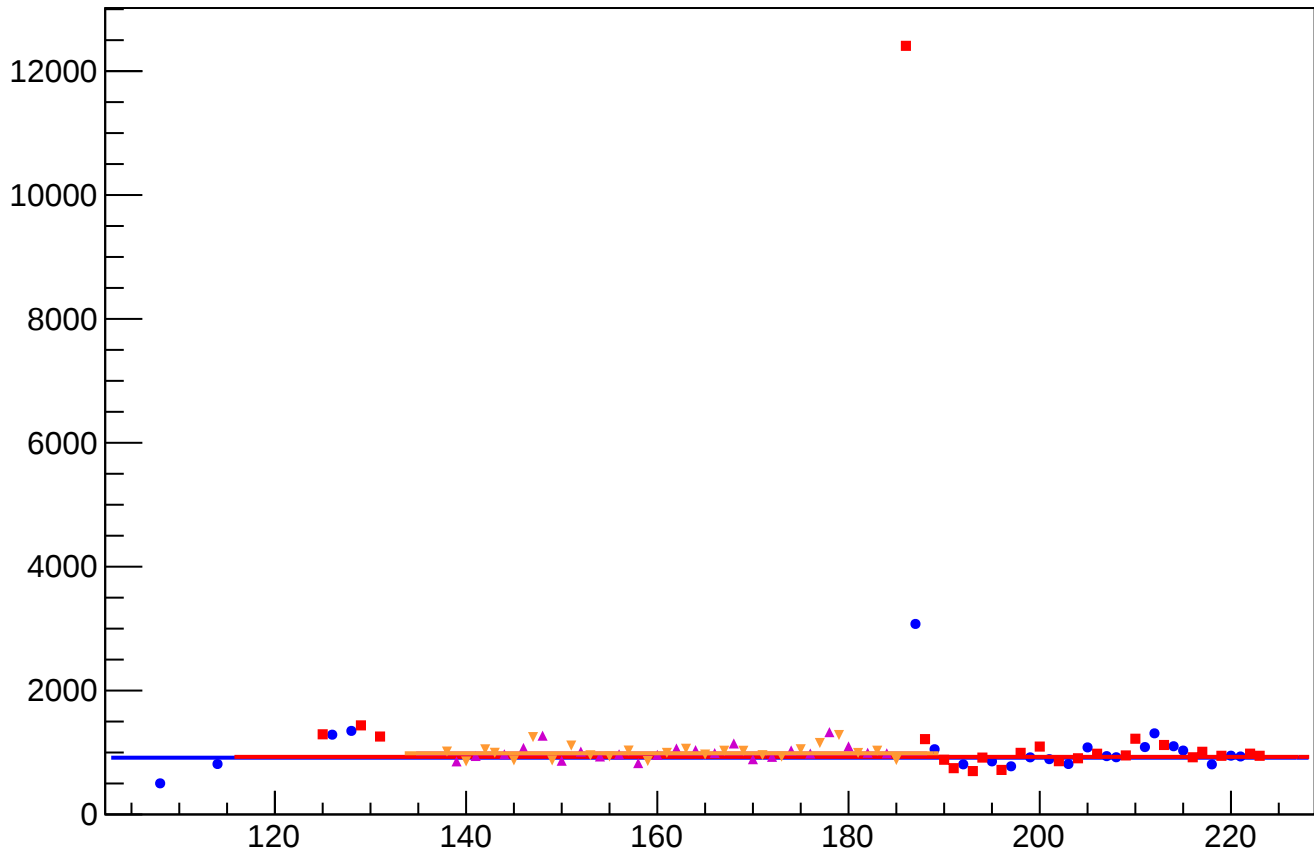
Left In: -202.234+/-237.460 χ^2 /NDF:35.5/22

+ sign -388.776+/-171.517 χ^2 /NDF: 38.8/46

All: -513.503+/-122.454 χ^2 /NDF: 126.8/92

- sign -643.176+/-174.884 χ^2 /NDF: 86.9/45

asym_sam5_correction_rms vs Slug



Right In: 916.375+/-0.180 χ^2/NDF : 677394.1/21

Left Out: 987.869+/-0.164 χ^2/NDF : 376958.5/24

Right Out: 929.699+/-0.183 χ^2/NDF : 1267574.3/22

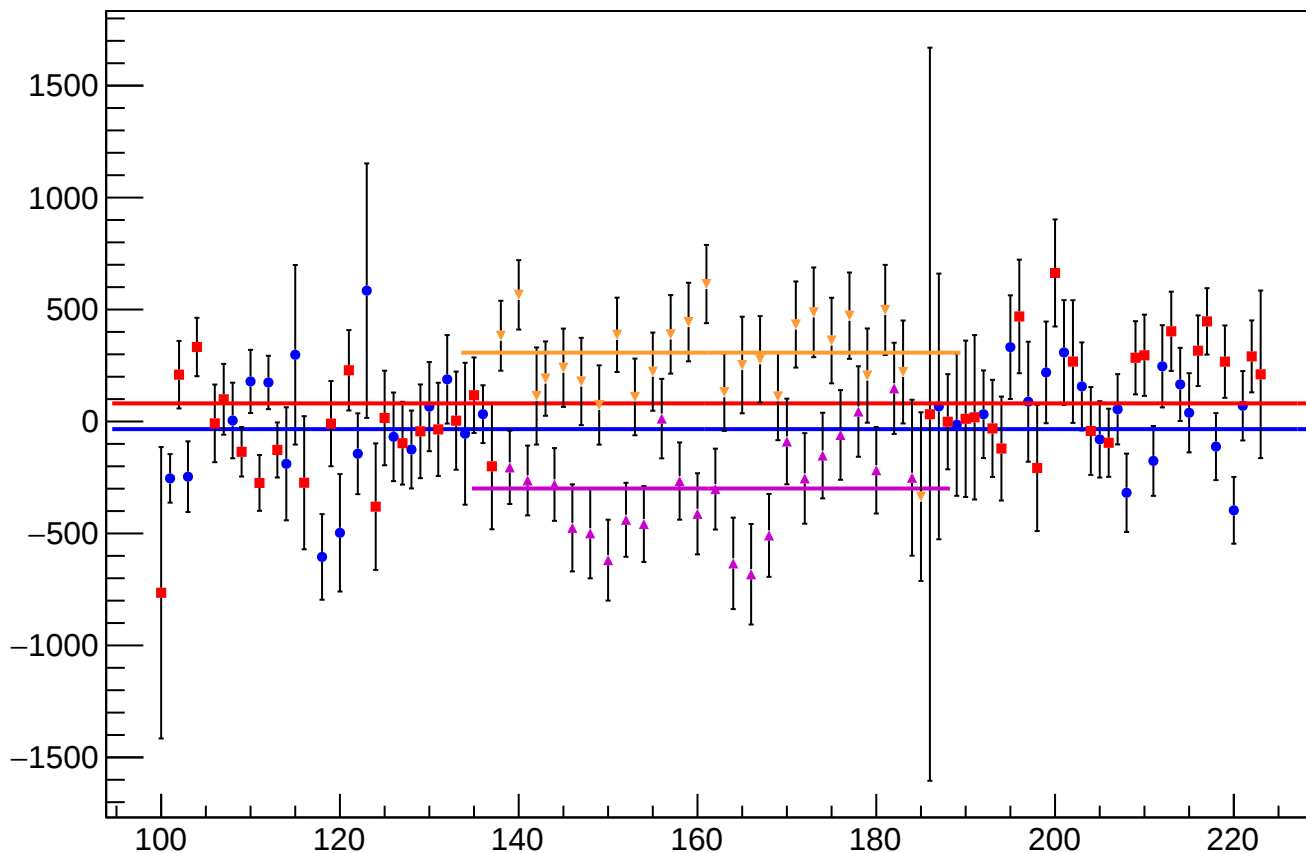
Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

+ sign 955.507+/-0.121 χ^2/NDF : 1140449.6/46

All: 957.265+/-0.087 χ^2/NDF : 2872387.6/92

- sign 959.094+/-0.124 χ^2/NDF : 1731509.1/45

reg_asym_sam6_mean vs Slug



Right In: -34.072 ± 30.540 $\chi^2/\text{NDF}: 49.7/34$

Left Out: 307.487 ± 37.278 $\chi^2/\text{NDF}: 20.7/24$

Right Out: 81.013 ± 29.939 $\chi^2/\text{NDF}: 59.6/38$

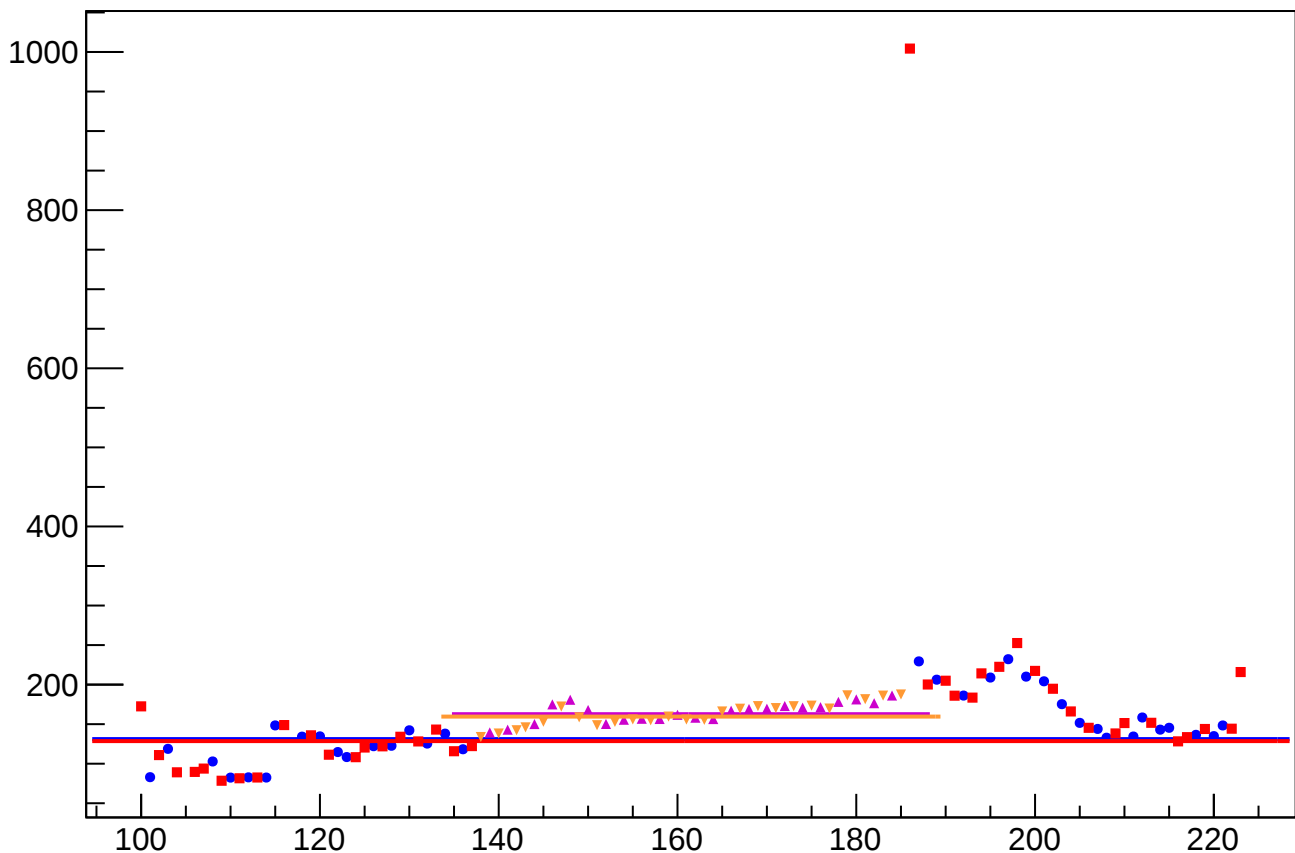
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 103.108 ± 23.624 $\chi^2/\text{NDF}: 120.7/59$

All: 22.025 ± 16.749 $\chi^2/\text{NDF}: 292.3/121$

- sign -59.925 ± 23.750 $\chi^2/\text{NDF}: 147.9/61$

reg_asym_sam6_rms vs Slug



Right In: 131.109+/-0.022 χ^2/NDF : 2680697.3/34

Left Out: 159.568+/-0.026 χ^2/NDF : 287744.2/24

Right Out: 128.570+/-0.021 χ^2/NDF : 4182369.1/38

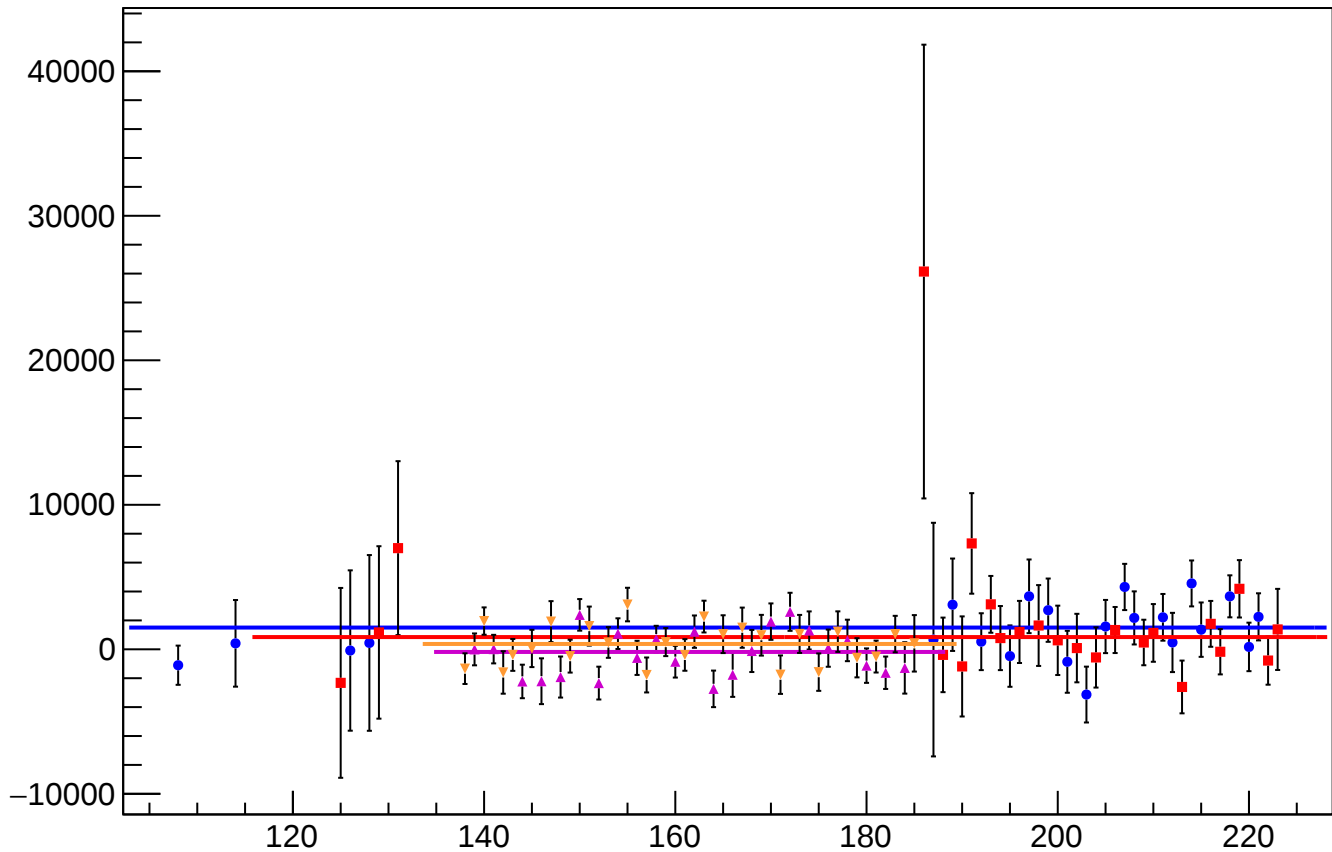
Left In: 162.606+/-0.028 χ^2/NDF : 199542.3/22

+ sign 142.539+/-0.017 χ^2/NDF : 3665974.7/59

All: 141.866+/-0.012 χ^2/NDF : 9009356.7/123

- sign 141.187+/-0.017 χ^2/NDF : 5340123.3/61

asym_sam6_correction_mean vs Slug



Right In: 1504.915+/-421.007 χ^2/NDF : 23.7/21

Left Out: 370.001+/-243.521 χ^2/NDF : 30.5/24

Right Out: 846.774+/-462.274 χ^2/NDF : 18.2/22

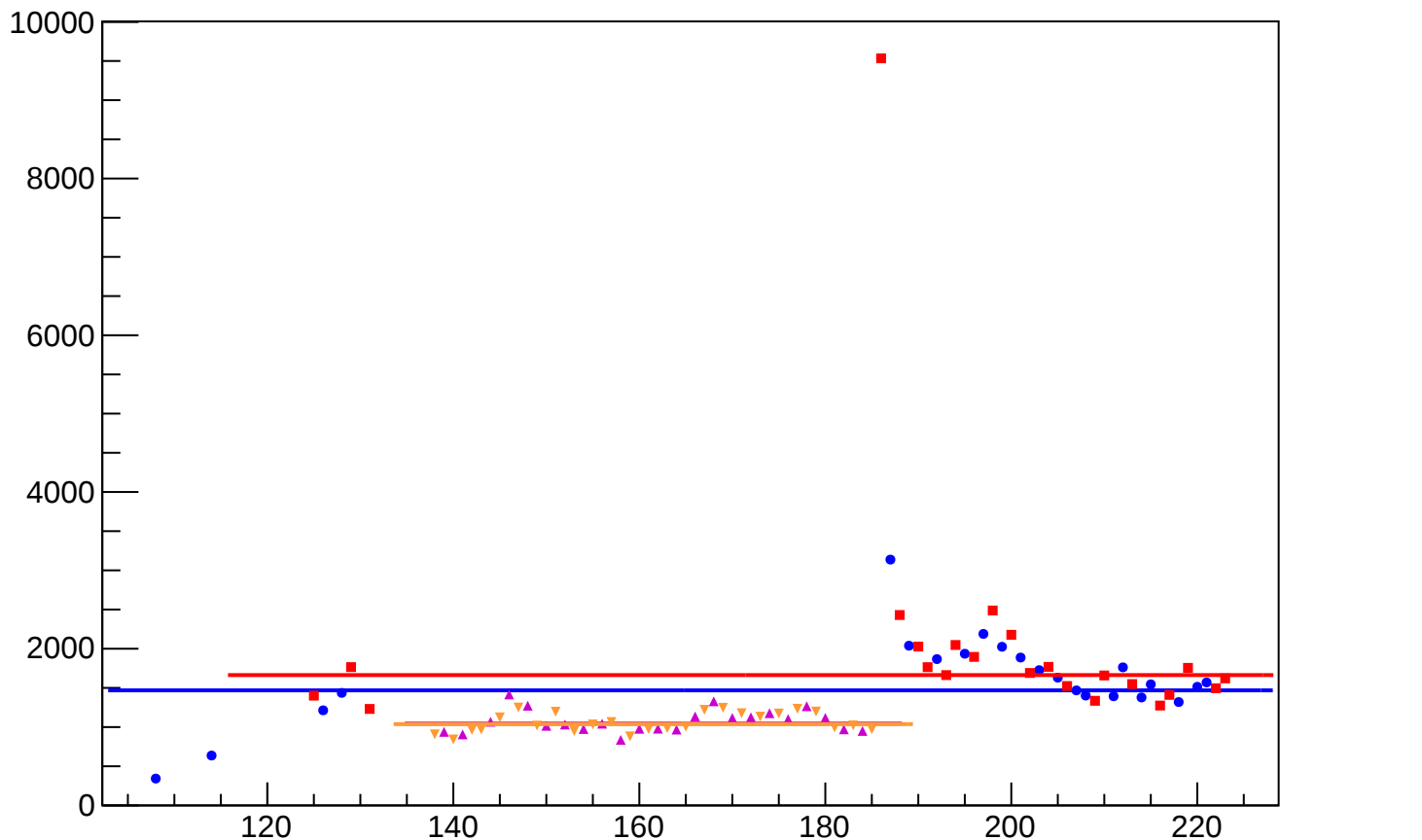
Left In: -183.107+/-252.258 χ^2/NDF : 36.5/22

+ sign 654.521+/-210.797 χ^2/NDF : 59.6/46

All: 368.651+/-152.678 χ^2/NDF : 122.0/92

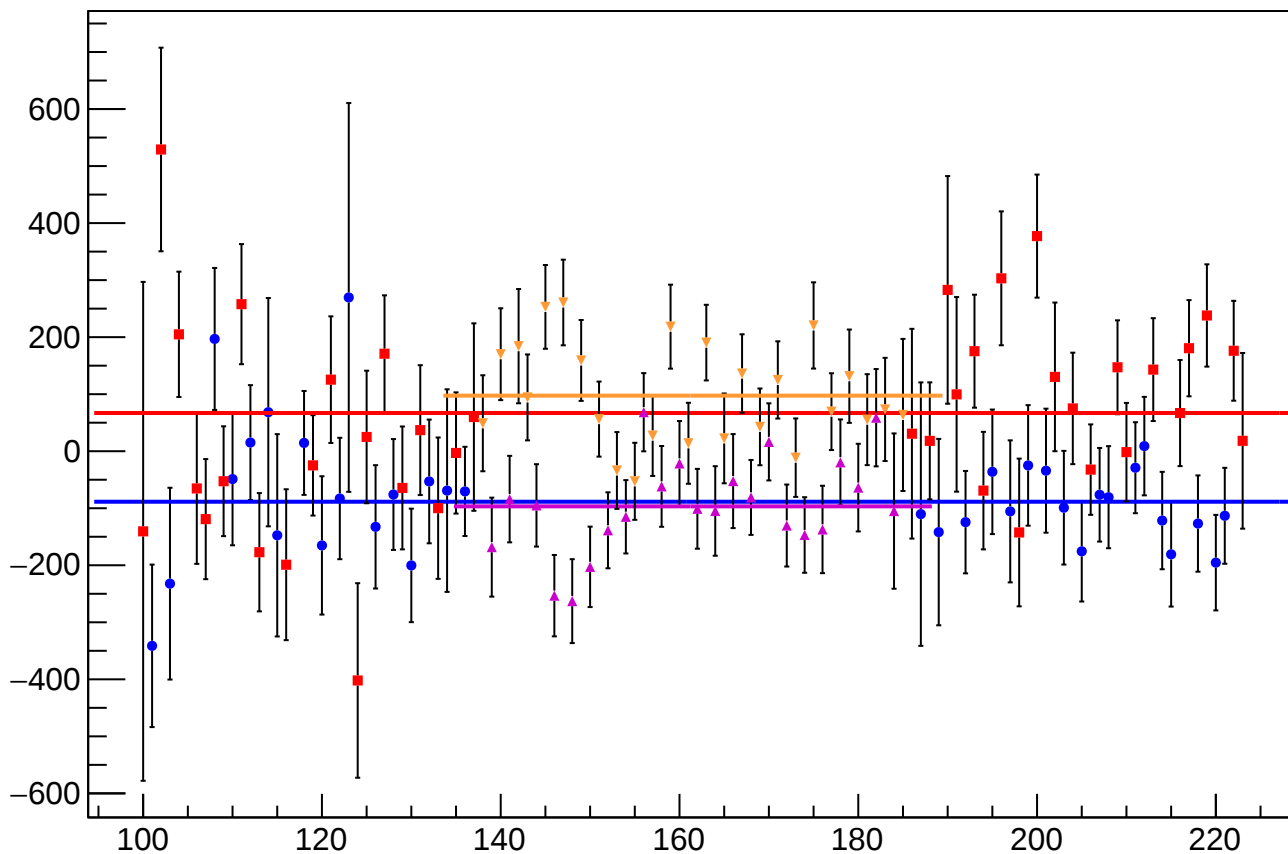
- sign 53.201+/-221.434 χ^2/NDF : 58.5/45

asym_sam6_correction_rms vs Slug



Right In: 1468.635+/-0.298	χ^2/NDF : 2366943.4/21	+ sign 1145.726+/-0.149	χ^2/NDF : 4432122.0/46
Left Out: 1037.689+/-0.172	χ^2/NDF : 494981.4/24	All: 1165.225+/-0.108	χ^2/NDF : 9151435.3/92
Right Out: 1663.591+/-0.327	χ^2/NDF : 1378191.3/22	- sign 1186.741+/-0.157	χ^2/NDF : 4683319.0/45
Left In: 1044.746+/-0.178	χ^2/NDF : 543315.5/22		

reg_asym_sam7_mean vs Slug



Right In: -88.586 ± 17.639 χ^2/NDF : 22.5/34

Left Out: 97.445 ± 14.880 χ^2/NDF : 36.0/24

Right Out: 66.997 ± 17.510 χ^2/NDF : 71.5/38

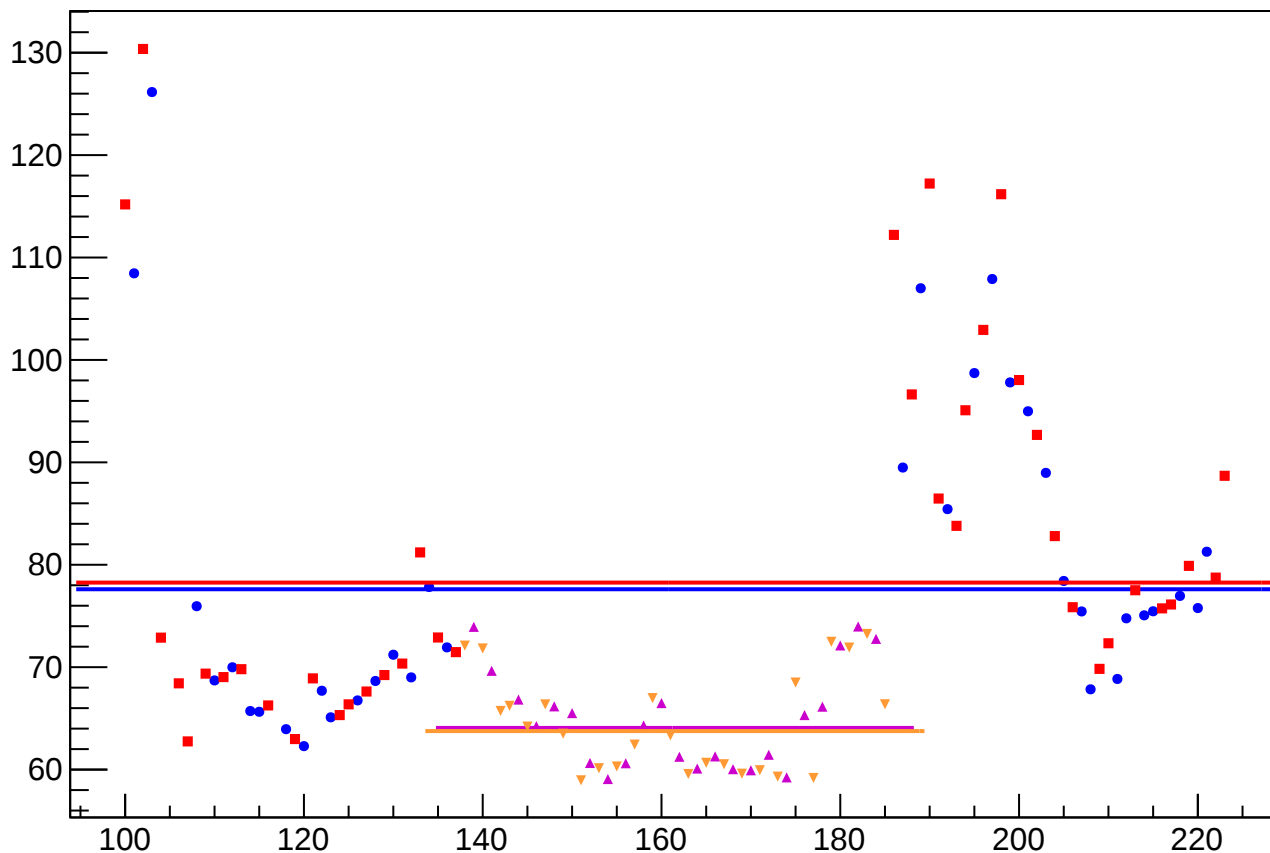
Left In: -96.704 ± 15.369 χ^2/NDF : 29.2/22

+ sign 20.102 ± 11.373 χ^2/NDF : 123.5/59

All: -2.330 ± 8.104 χ^2/NDF : 281.5/121

- sign -25.467 ± 11.551 χ^2/NDF : 150.1/61

reg_asym_sam7_rms vs Slug



Right In: 77.608 $\pm$ 0.012 χ^2 /NDF: 953420.8/34

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF: 192803.8/24

Right Out: 78.259 $\pm$ 0.012 χ^2 /NDF: 1141407.4/38

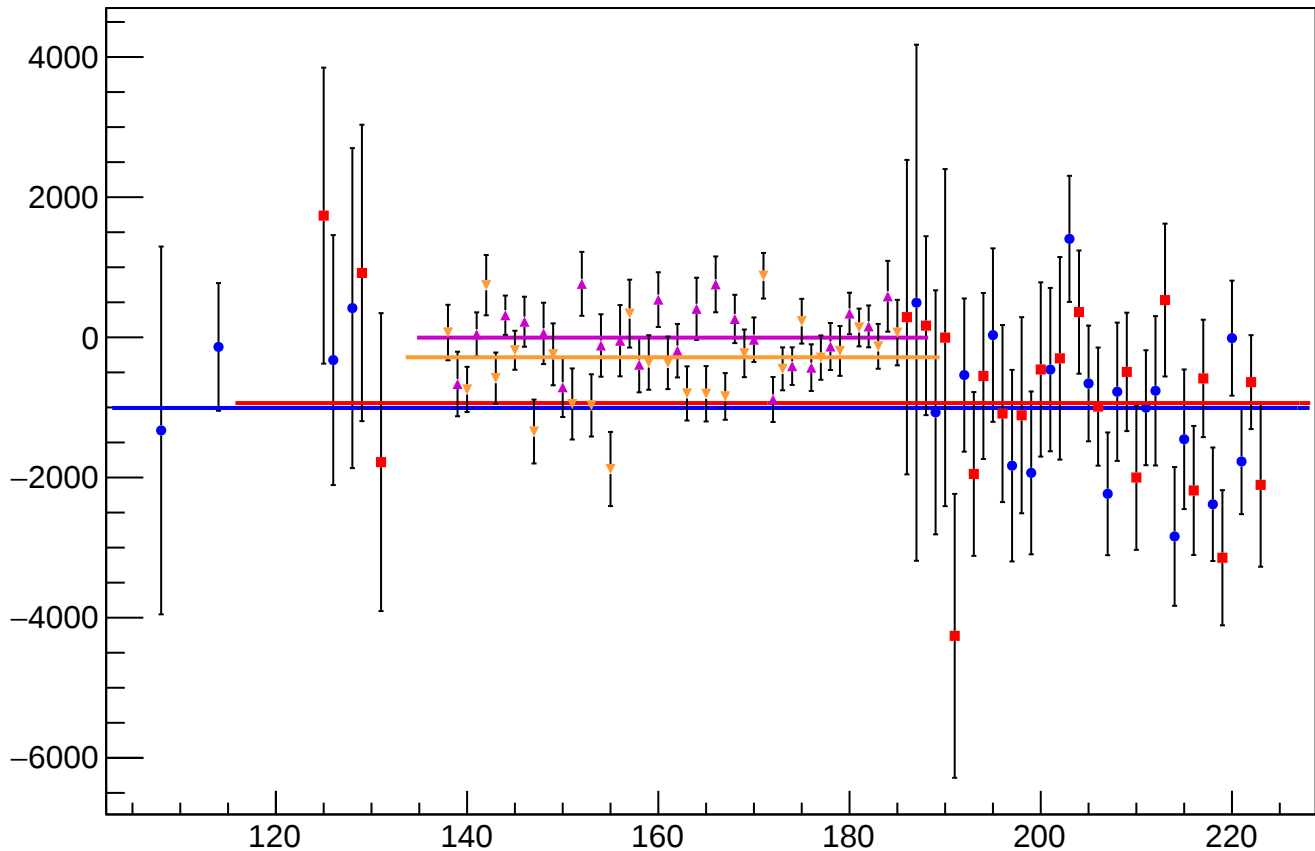
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 69.518 $\pm$ 0.008 χ^2 /NDF: 1866321.9/59

All: 69.875 $\pm$ 0.006 χ^2 /NDF: 3918376.7/121

- sign 70.244 $\pm$ 0.008 χ^2 /NDF: 2048045.2/61

asym_sam7_correction_mean vs Slug



Right In: -1007.866 ± 223.747 χ^2/NDF : 22.2/21

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: -937.261 ± 234.863 χ^2/NDF : 21.4/22

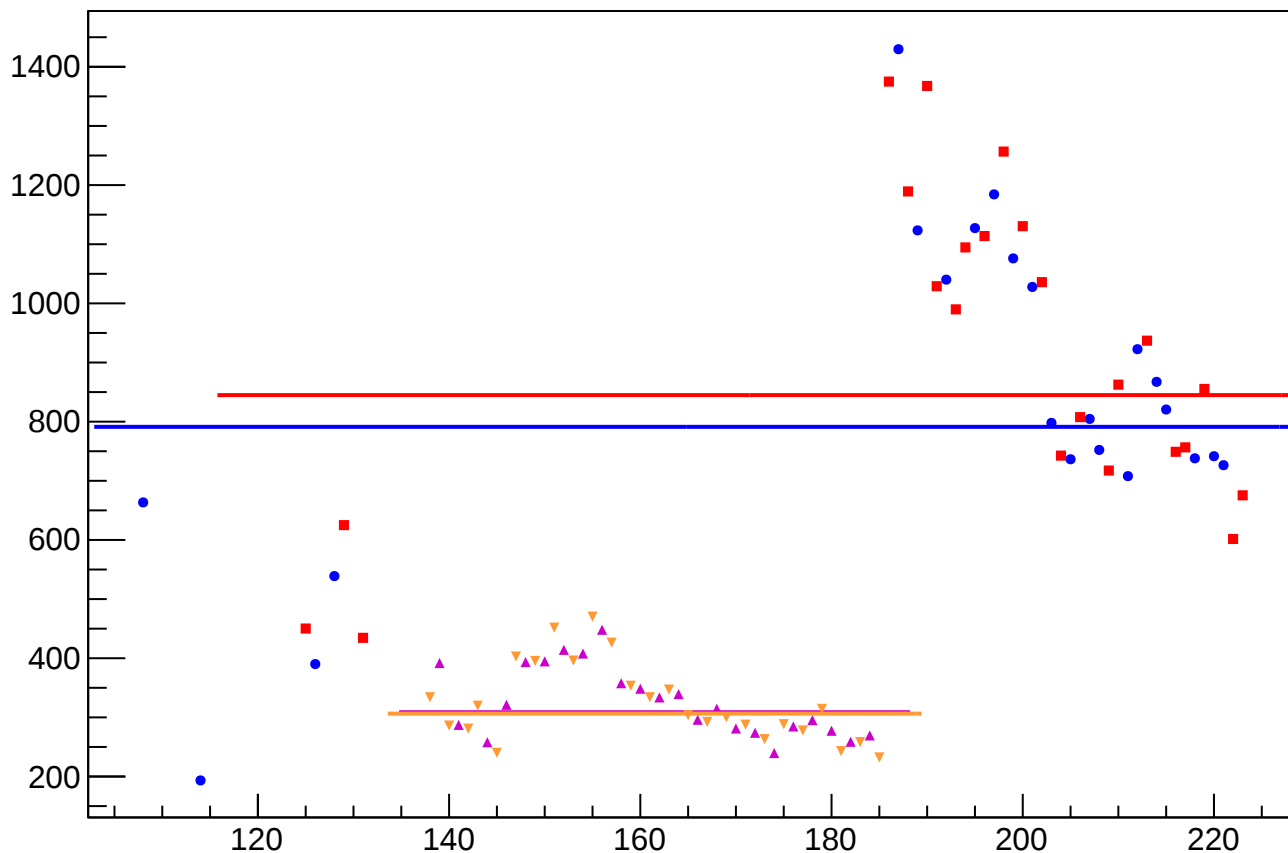
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -353.454 ± 69.170 χ^2/NDF : 86.7/46

All: -226.400 ± 49.720 χ^2/NDF : 161.8/92

- sign -90.572 ± 71.518 χ^2/NDF : 68.1/45

asym_sam7_correction_rms vs Slug



Right In: 791.247+/-0.158 χ^2/NDF : 1852600.7/21

Left Out: 306.363+/-0.051 χ^2/NDF :1215669.9/24

Right Out: 844.877+/-0.166 χ^2/NDF : 1499536.4/22

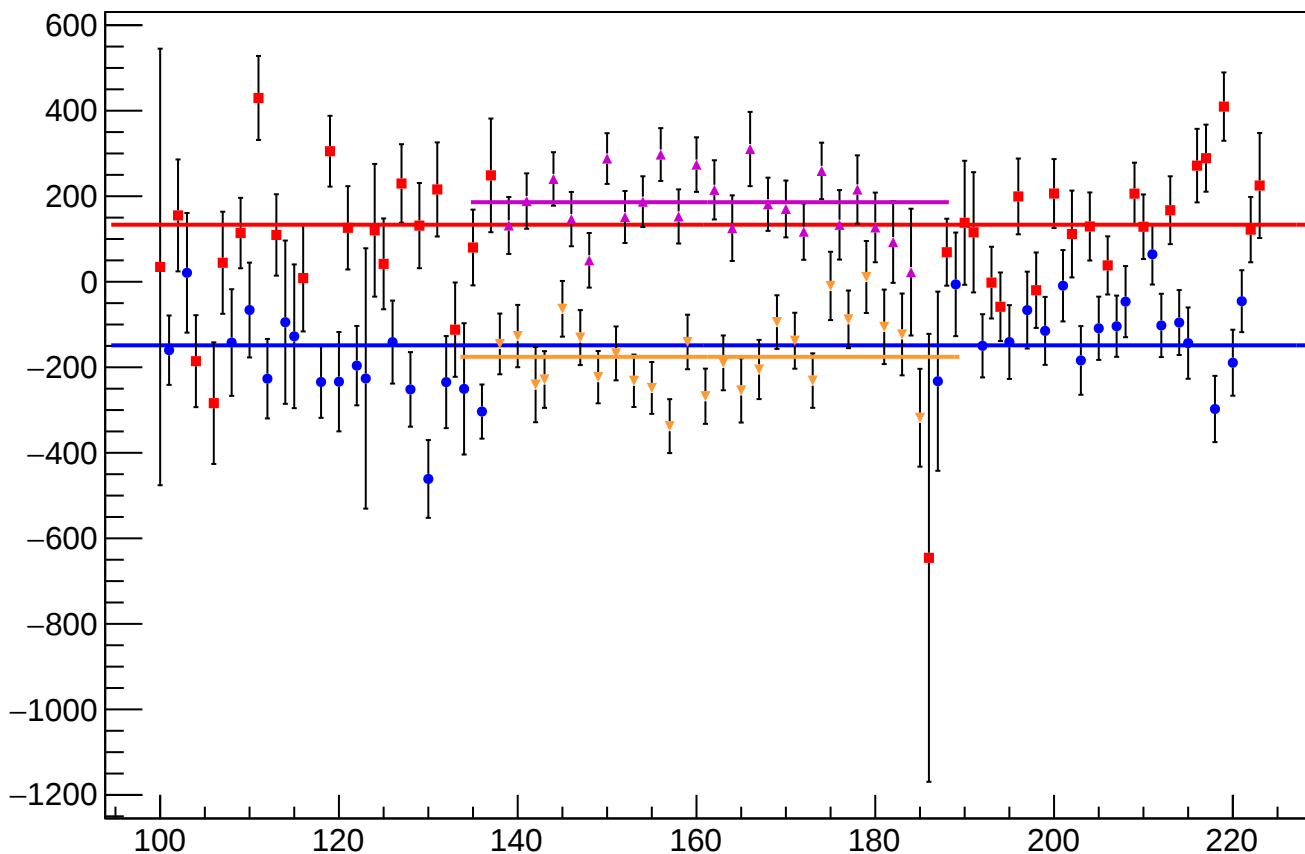
Left In: 308.727+/-0.053 χ^2/NDF :1002947.4/22

+ sign 352.703+/-0.049 χ^2/NDF : 11563319.7/46

All: 355.477+/-0.035 χ^2/NDF : 23528534.0/92

- sign 358.442+/-0.051 χ^2/NDF : 11958558.9/45

reg_asym_sam8_mean vs Slug



Right In: -148.638 ± 15.172 χ^2/NDF : 48.7/34

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 133.450 ± 15.240 χ^2/NDF : 78.9/38

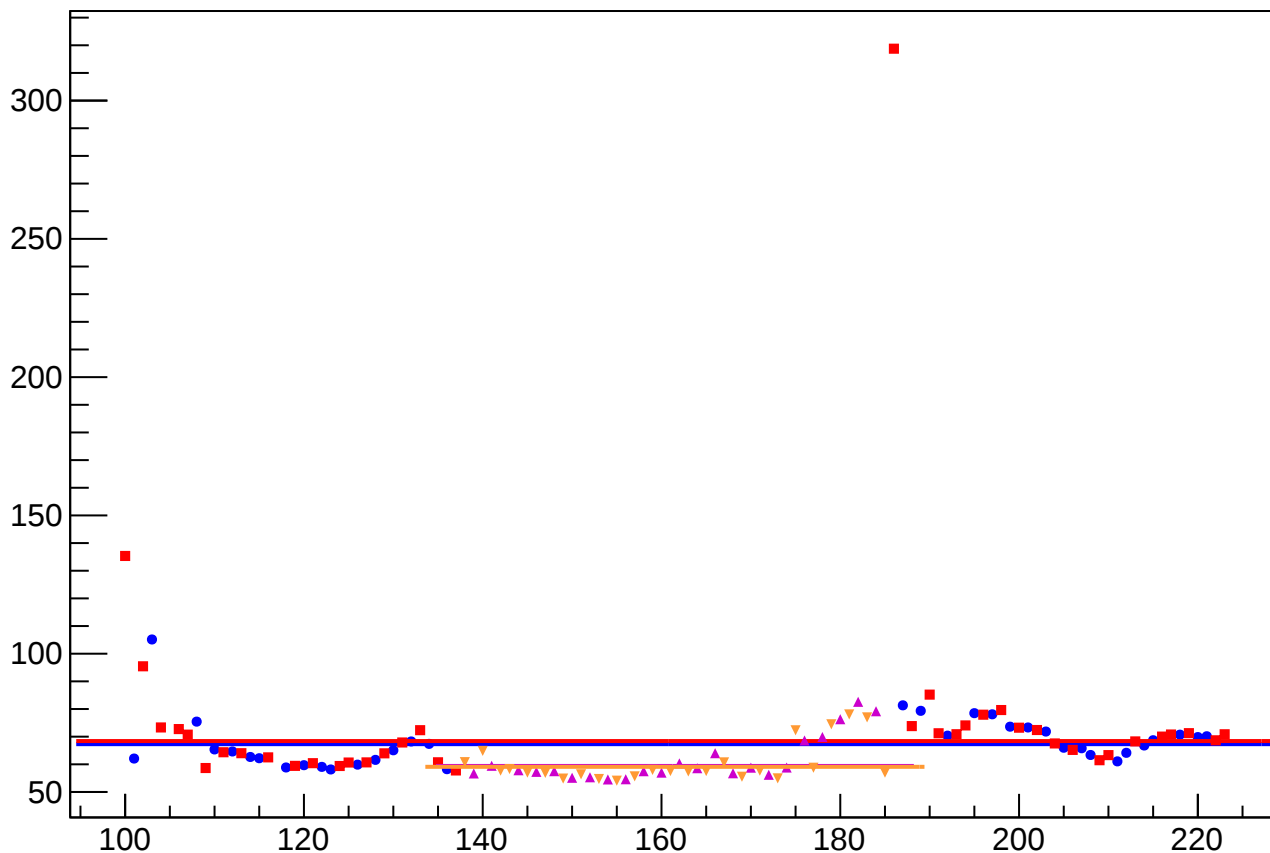
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -163.278 ± 10.227 χ^2/NDF : 85.1/59

All: -4.196 ± 7.304 χ^2/NDF : 687.7/121

- sign 161.393 ± 10.434 χ^2/NDF : 108.8/61

reg_asym_sam8_rms vs Slug



Right In: 67.290 $\pm$ 0.011 χ^2 /NDF: 436308.0/34

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 68.412 $\pm$ 0.011 χ^2 /NDF: 879184.8/38

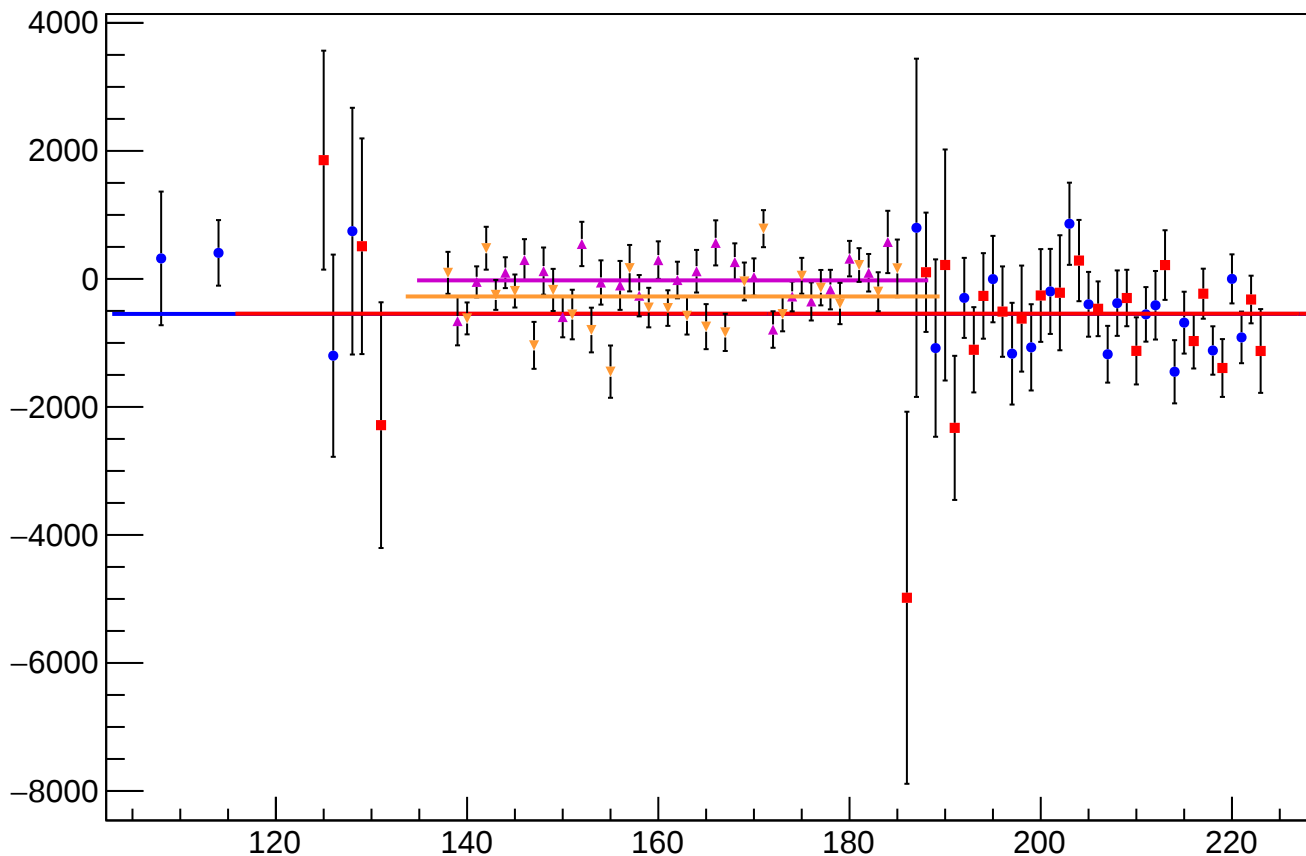
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 62.821 $\pm$ 0.007 χ^2 /NDF: 1124137.3/59

All: 63.217 $\pm$ 0.005 χ^2 /NDF: 2753136.5/121

- sign 63.629 $\pm$ 0.007 χ^2 /NDF: 1622877.3/61

asym_sam8_correction_mean vs Slug



Right In: -546.933 ± 120.014 χ^2/NDF : 23.2/21

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -543.191 ± 128.068 χ^2/NDF : 21.4/22

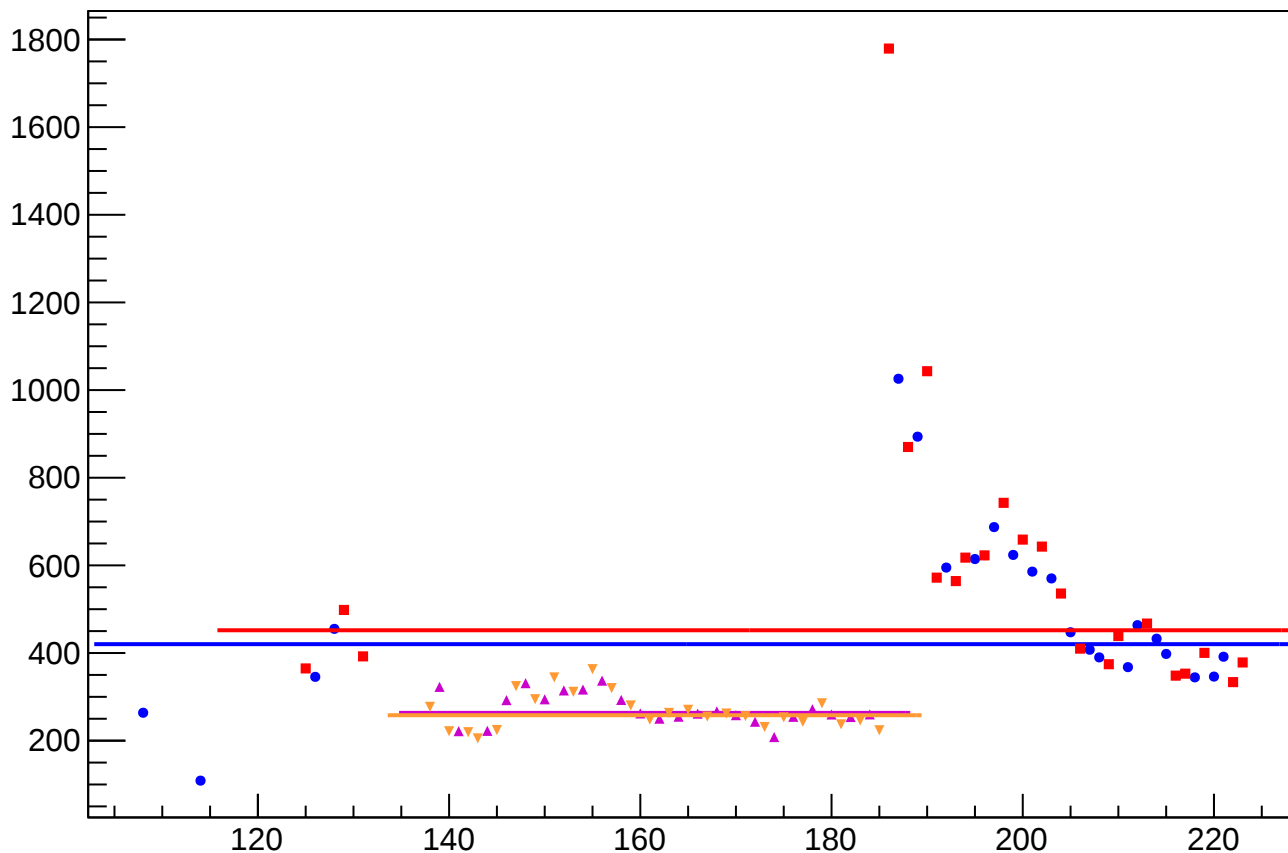
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -329.813 ± 54.237 χ^2/NDF : 81.2/46

All: -232.825 ± 39.290 χ^2/NDF : 151.5/92

- sign -125.726 ± 56.994 χ^2/NDF : 63.6/45

asym_sam8_correction_rms vs Slug



Right In: 420.218+/-0.085 χ^2/NDF : 2319516.7/21

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 451.927+/-0.091 χ^2/NDF : 2479505.5/22

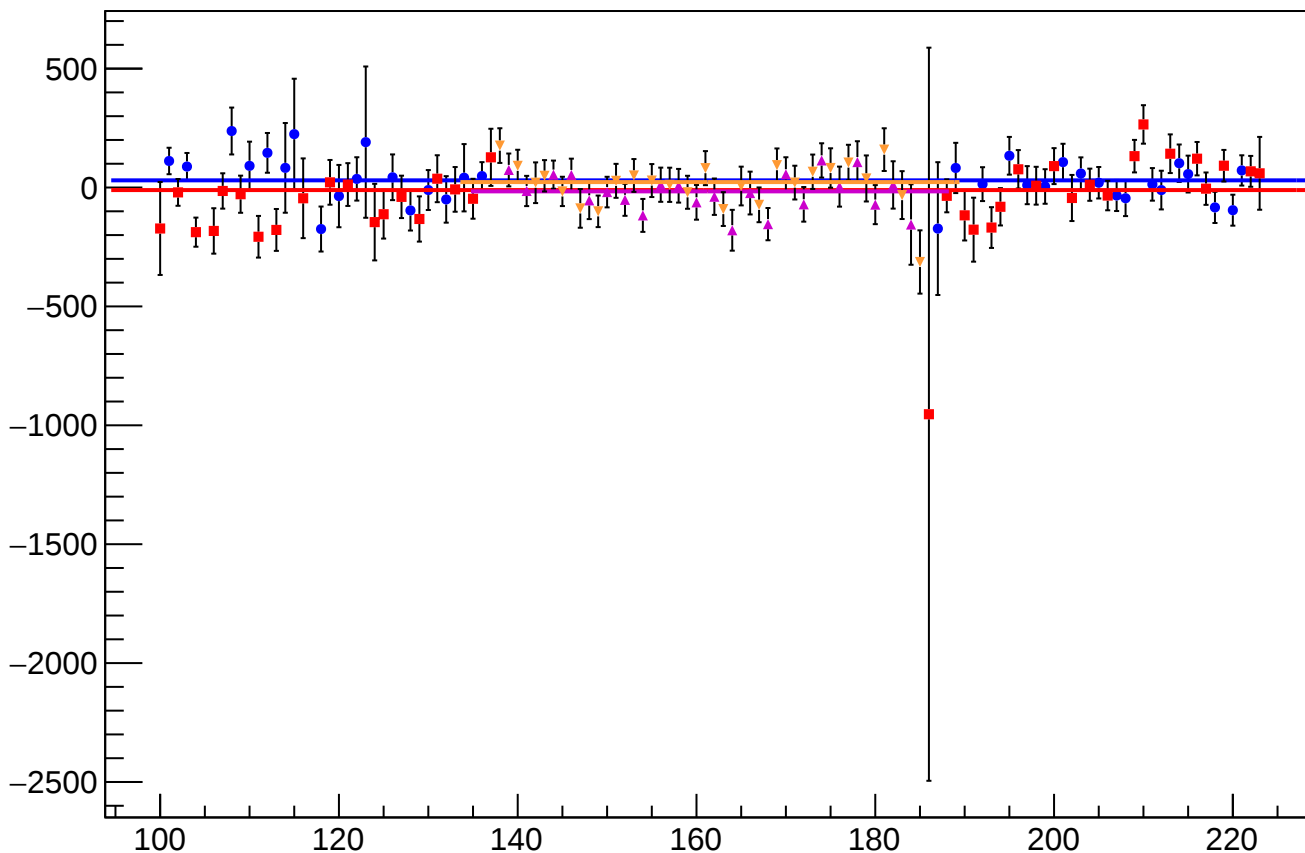
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 291.162+/-0.038 χ^2/NDF : 5950601.6/46

All: 295.711+/-0.028 χ^2/NDF : 12521161.1/92

- sign 300.735+/-0.040 χ^2/NDF : 6540949.4/45

reg_asym_sam_15_avg_mean vs Slug



Right In: 30.176 ± 13.621 χ^2/NDF : 33.4/34

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -10.756 ± 13.413 χ^2/NDF : 64.1/38

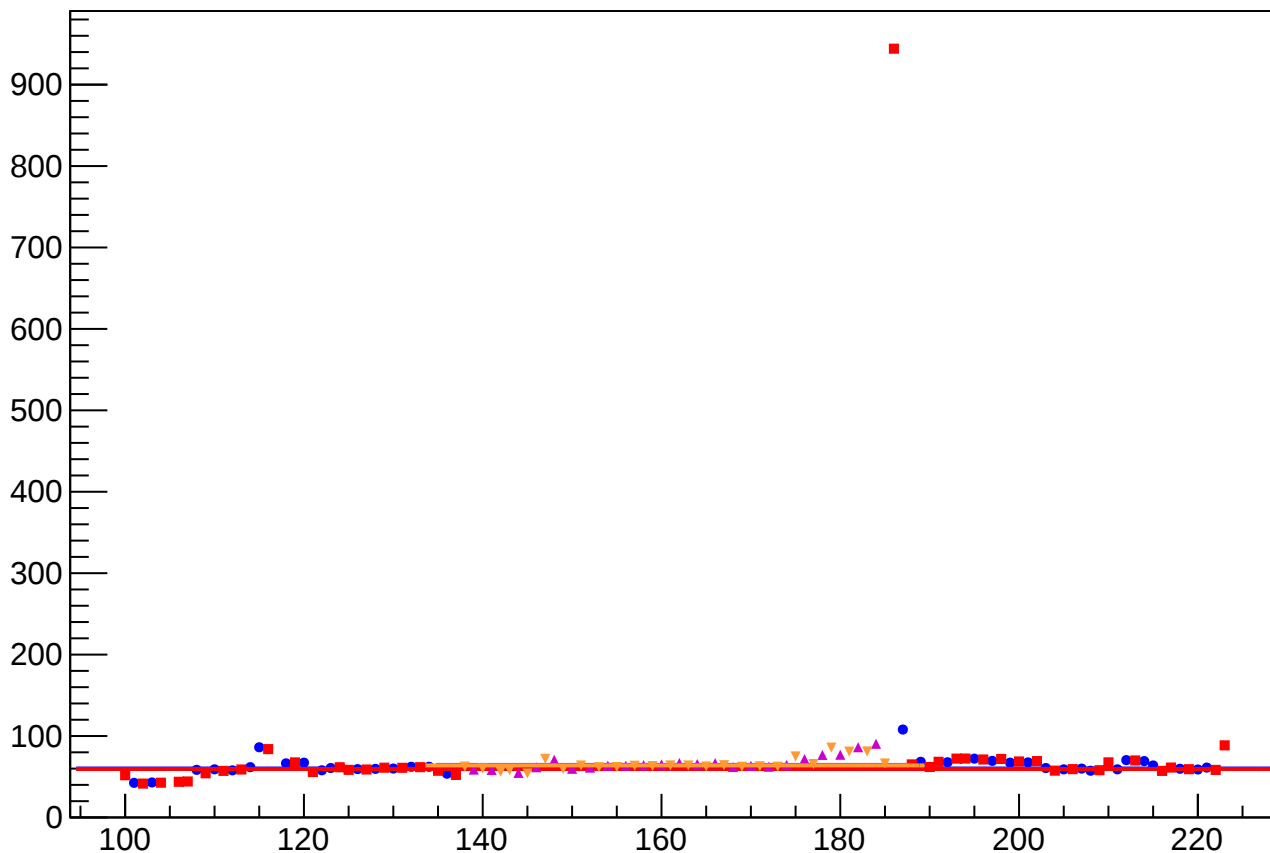
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 26.867 ± 10.074 χ^2/NDF : 62.5/59

All: 7.046 ± 7.150 χ^2/NDF : 157.8/121

- sign -13.081 ± 10.151 χ^2/NDF : 87.5/61

reg_asym_sam_15_avg_rms vs Slug



Right In: 60.088 $\pm$ 0.010 χ^2 /NDF: 724124.9/34

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 59.562 $\pm$ 0.009 χ^2 /NDF: 1629067.7/38

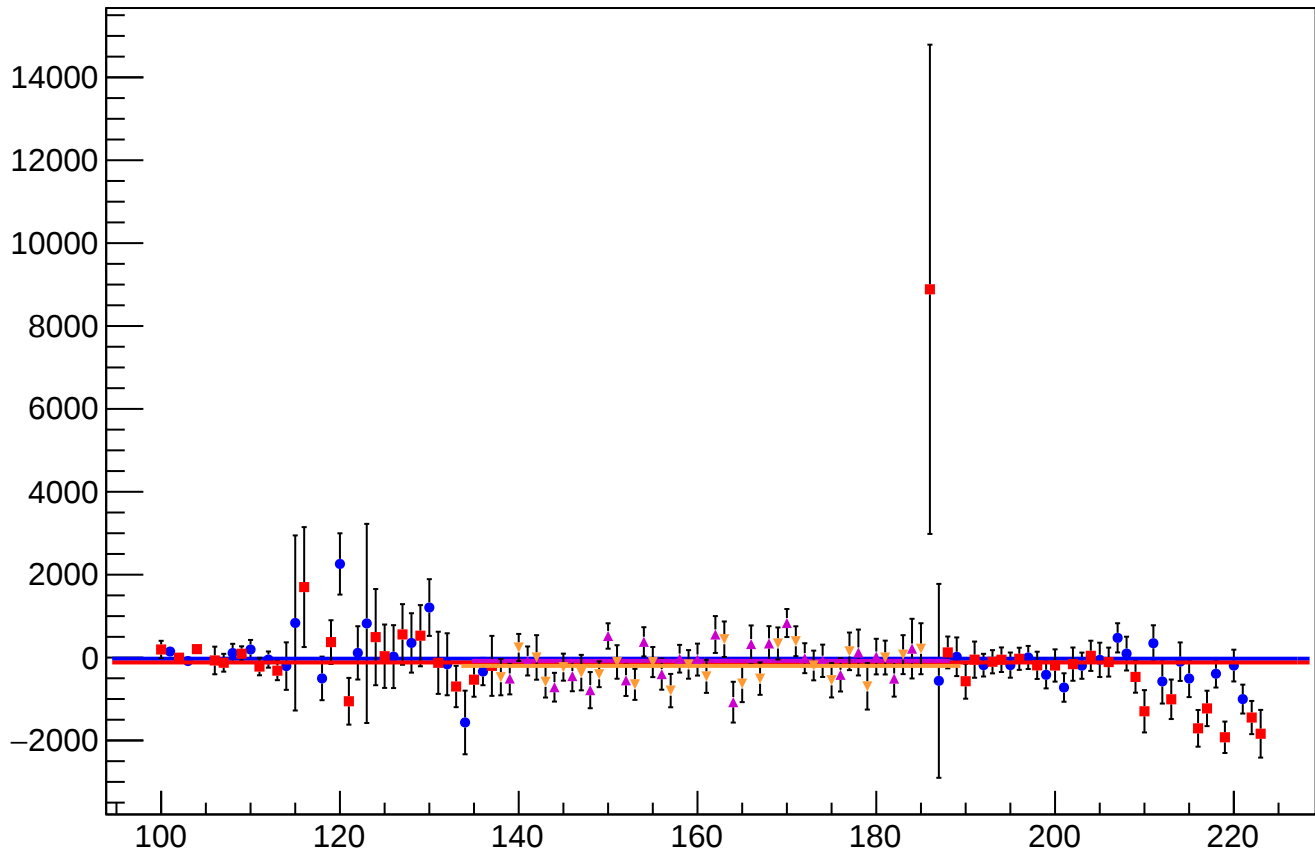
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.824 $\pm$ 0.007 χ^2 /NDF: 1191222.4/59

All: 61.751 $\pm$ 0.005 χ^2 /NDF: 3307329.9/121

- sign 61.676 $\pm$ 0.007 χ^2 /NDF: 2115894.0/61

asym_sam_15_avg_correction_mean vs Slug



Right In: -27.229 ± 44.359 χ^2/NDF : 46.2/34

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -118.322 ± 45.281 χ^2/NDF : 101.9/38

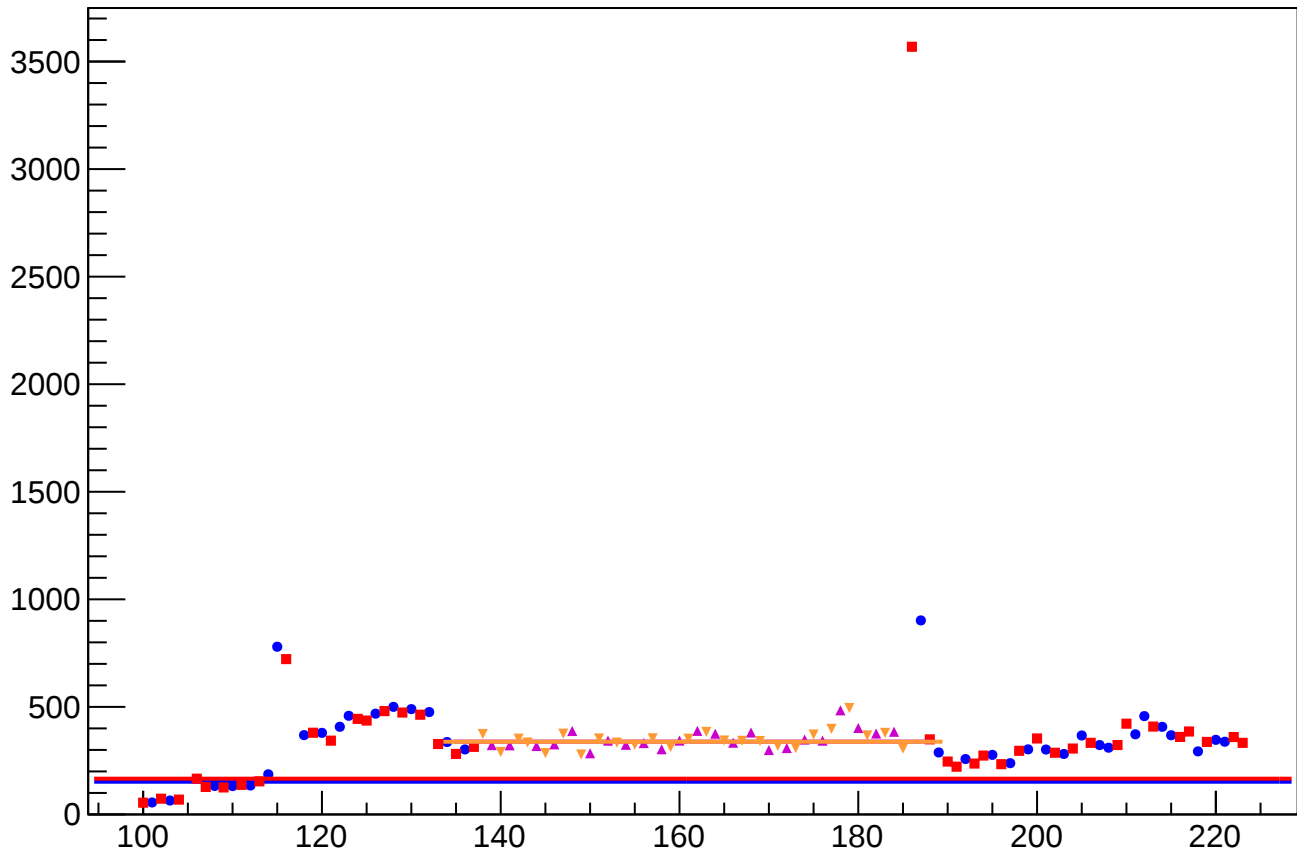
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -68.466 ± 38.742 χ^2/NDF : 69.5/59

All: -88.442 ± 27.698 χ^2/NDF : 205.5/121

- sign -109.326 ± 39.614 χ^2/NDF : 135.4/61

asym_sam_15_avg_correction_rms vs Slug



Right In: 152.190+/-0.031 χ^2/NDF : 15424192.2/34

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 166.343+/-0.032 χ^2/NDF : 13801871.2/38

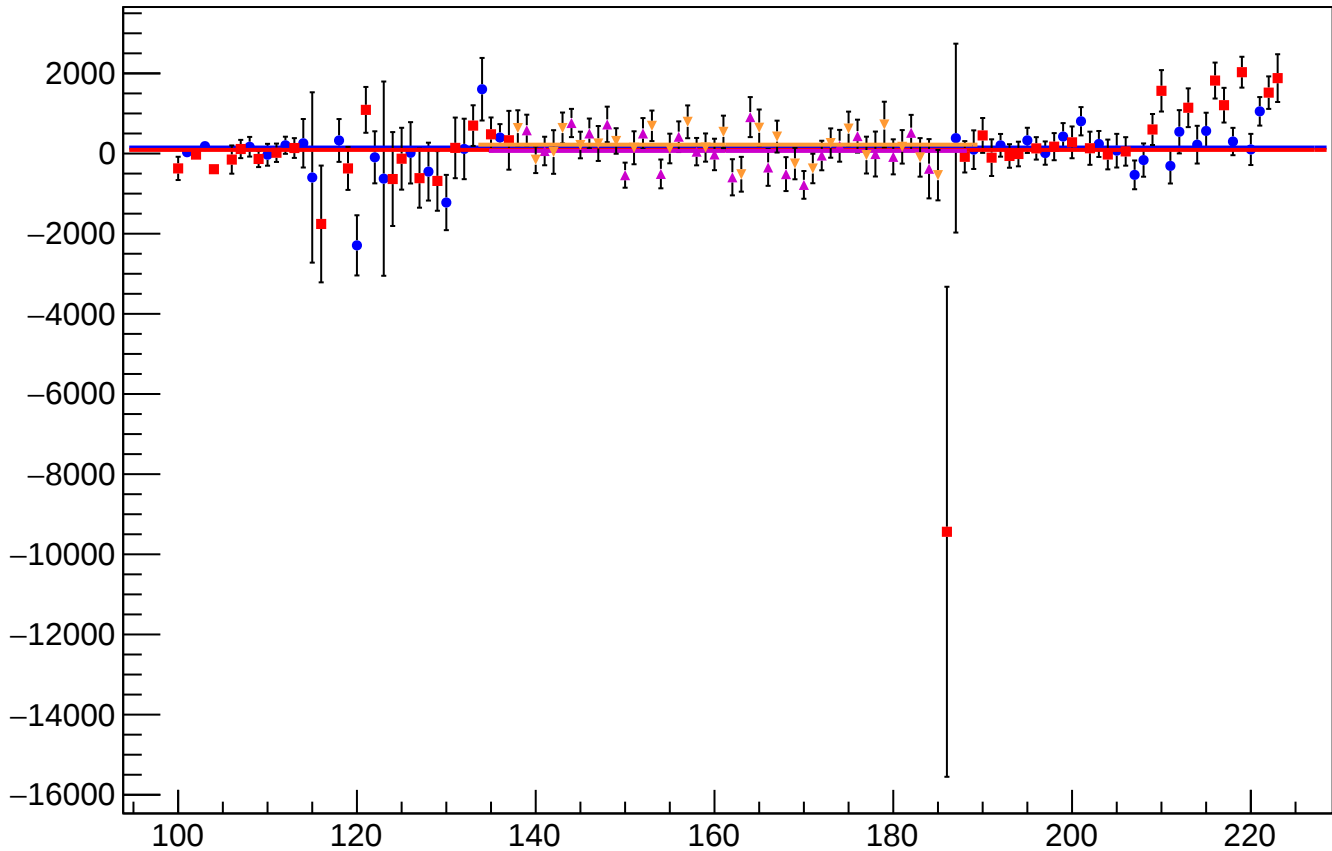
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 196.294+/-0.027 χ^2/NDF : 24258099.1/59

All: 201.407+/-0.020 χ^2/NDF : 45356773.0/12

- sign 206.753+/-0.028 χ^2/NDF : 21027419.9/61

asym_sam_15_avg_mean vs Slug



Right In: 149.809 $\pm$ 51.568 χ^2 /NDF: 39.6/34

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF: 19.7/24

Right Out: 90.836 $\pm$ 50.118 χ^2 /NDF: 118.8/38

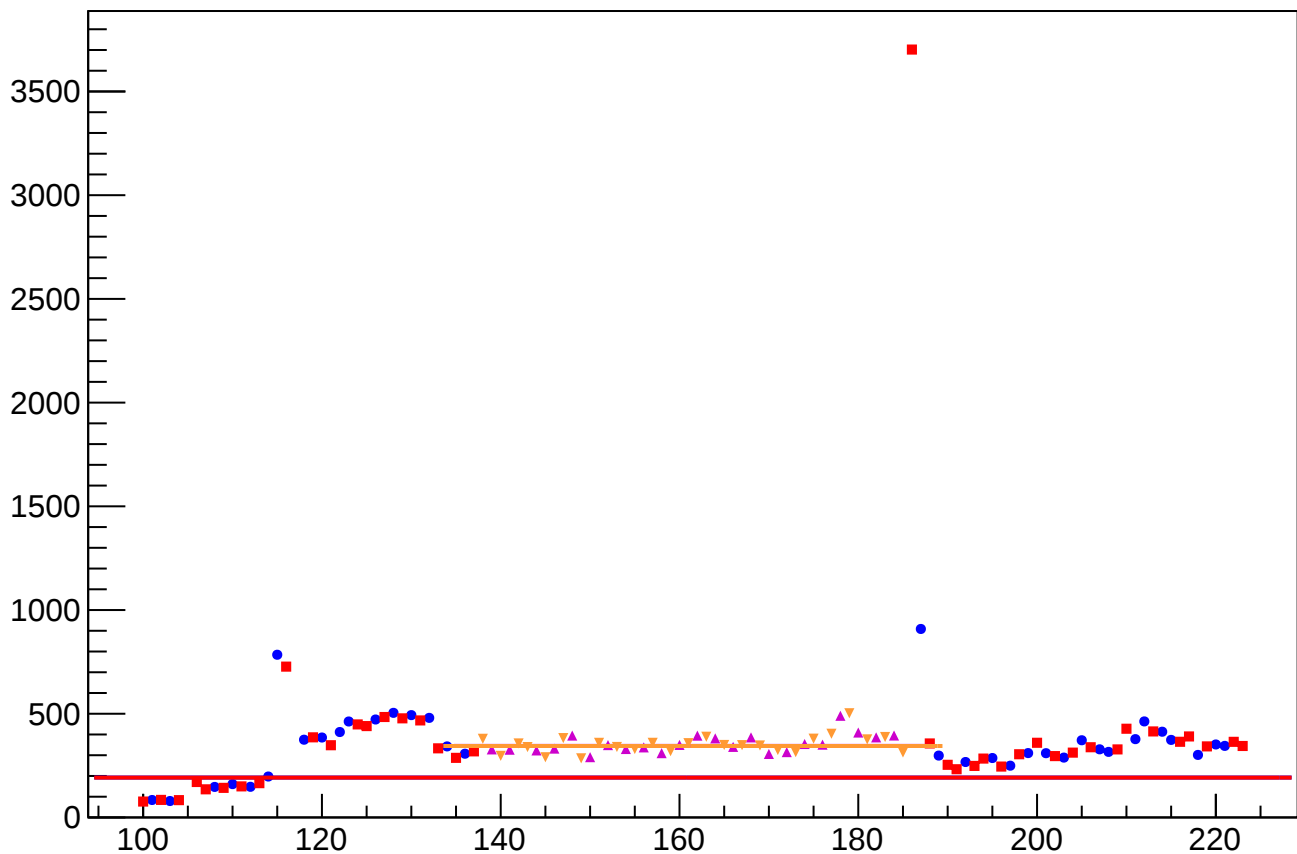
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF: 34.0/22

+ sign 170.359 $\pm$ 43.503 χ^2 /NDF: 59.9/59

All: 126.678 $\pm$ 30.563 χ^2 /NDF: 214.7/121

- sign 84.107 $\pm$ 42.947 χ^2 /NDF: 152.9/61

asym_sam_15_avg_rms vs Slug



Right In: 192.451+/-0.036 χ^2/NDF : 11428232.0/34

Left Out: 344.506+/-0.057 χ^2/NDF : 488323.4/24

Right Out: 192.109+/-0.035 χ^2/NDF : 11457017.1/38

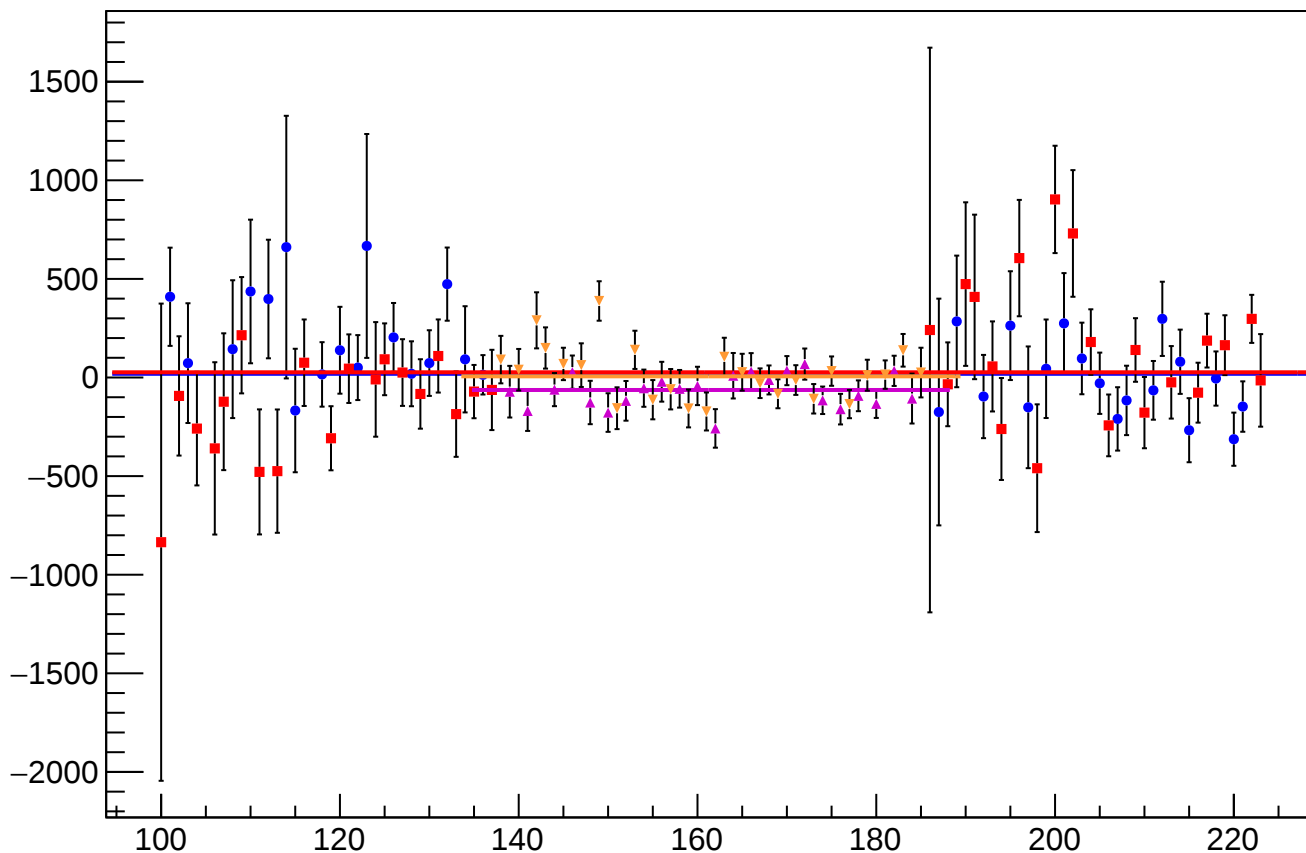
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 236.291+/-0.031 χ^2/NDF : 16930144.2/59

All: 234.494+/-0.022 χ^2/NDF : 33769020.9/12

- sign 232.742+/-0.030 χ^2/NDF : 16832134.2/61

reg_asym_sam_26_avg_mean vs Slug



Right In: 18.841 ± 32.215 $\chi^2/\text{NDF}: 35.3/34$

Left Out: 6.020 ± 17.910 $\chi^2/\text{NDF}: 46.0/24$

Right Out: 26.436 ± 33.085 $\chi^2/\text{NDF}: 52.8/38$

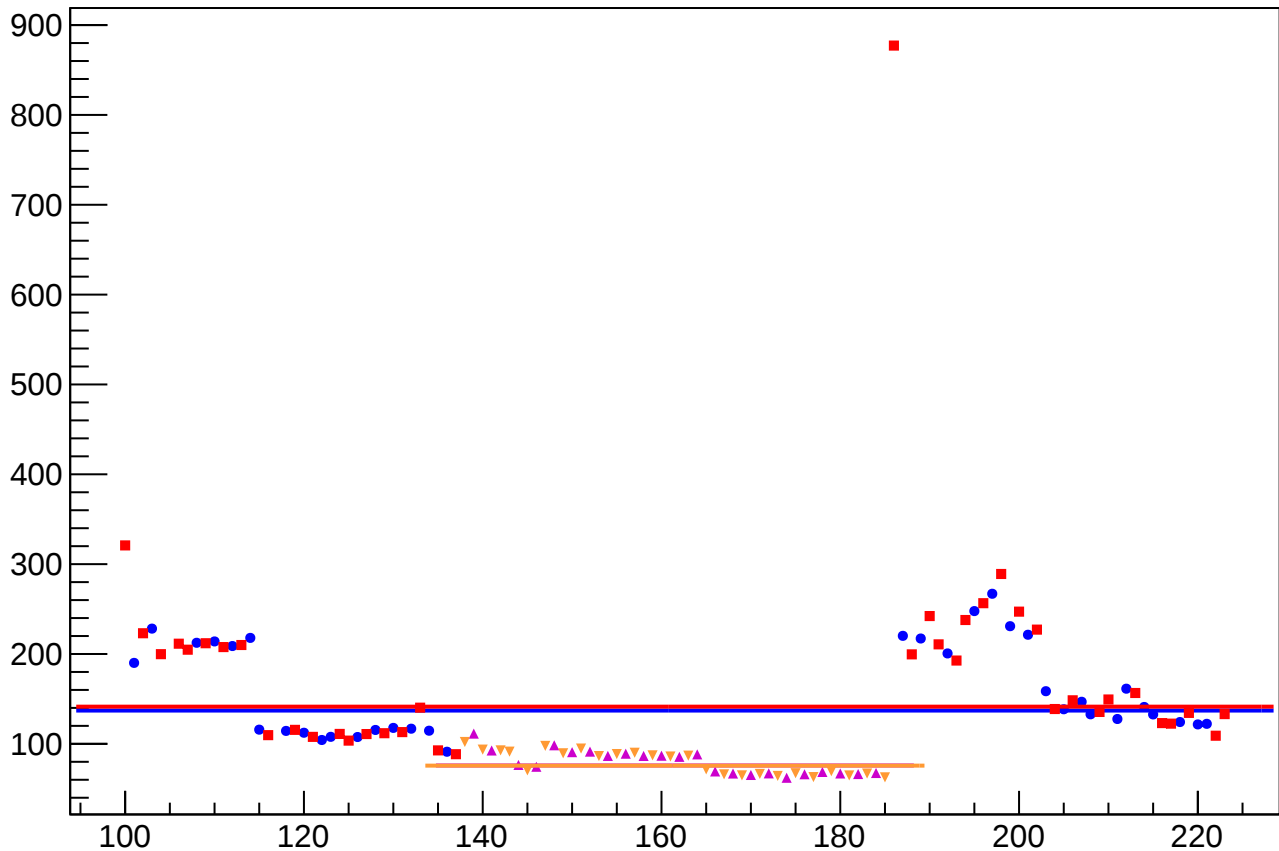
Left In: -63.279 ± 18.447 $\chi^2/\text{NDF}: 19.8/22$

+ sign 9.047 ± 15.654 $\chi^2/\text{NDF}: 81.5/59$

All: -15.743 ± 11.227 $\chi^2/\text{NDF}: 164.8/121$

- sign -42.004 ± 16.112 $\chi^2/\text{NDF}: 78.2/61$

reg_asym_sam_26_avg_rms vs Slug



Right In: 137.042 $\pm$ 0.023 χ^2 /NDF: 3000073.7/34

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 141.379 $\pm$ 0.023 χ^2 /NDF: 4162909.7/38

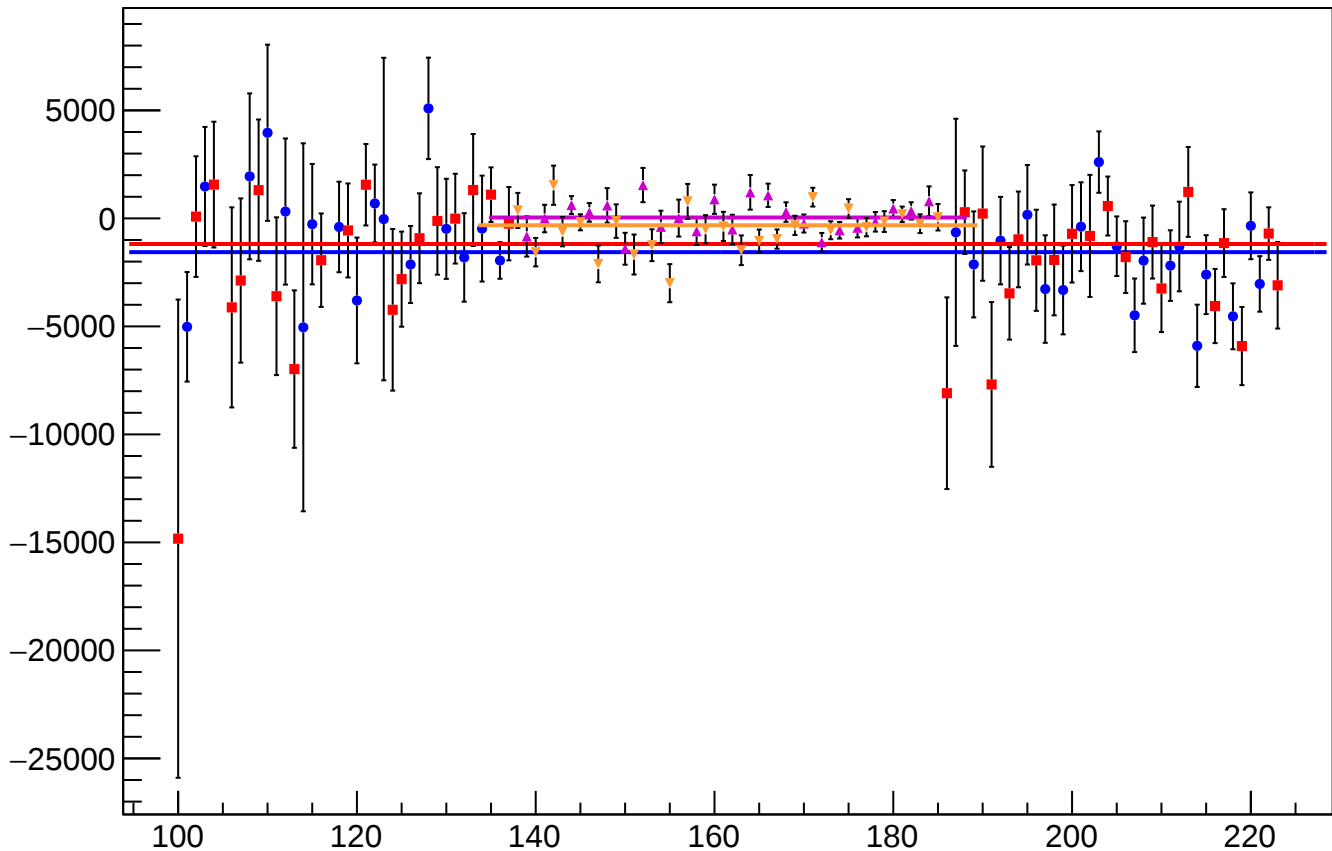
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 90.215 $\pm$ 0.011 χ^2 /NDF: 9469439.7/59

All: 90.807 $\pm$ 0.008 χ^2 /NDF: 20443752.7/121

- sign 91.435 $\pm$ 0.011 χ^2 /NDF: 10968421.1/61

asym_sam_26_avg_correction_mean vs Slug



Right In: -1563.106 ± 327.649 χ^2/NDF : 43.0/34

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -1186.043 ± 340.678 χ^2/NDF : 37.7/38

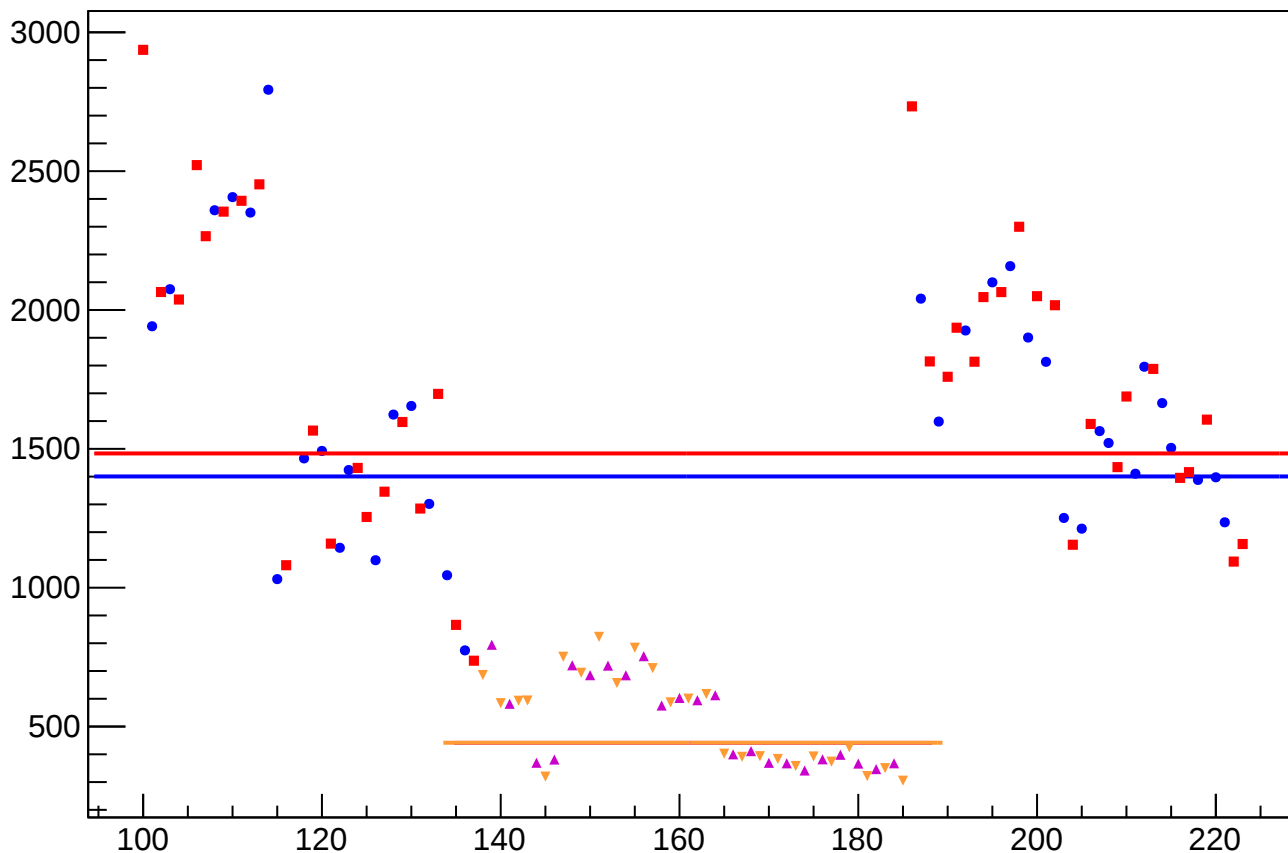
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -440.109 ± 102.583 χ^2/NDF : 106.0/59

All: -262.019 ± 73.341 χ^2/NDF : 196.4/121

- sign -75.807 ± 104.896 χ^2/NDF : 84.2/61

asym_sam_26_avg_correction_rms vs Slug



Right In: 1400.598 $\pm$ 0.232 χ^2 /NDF: 2966140.4/34

Left Out: 441.685 $\pm$ 0.076 χ^2 /NDF: 3169140.9/24

Right Out: 1483.487 $\pm$ 0.241 χ^2 /NDF: 3275582.5/38

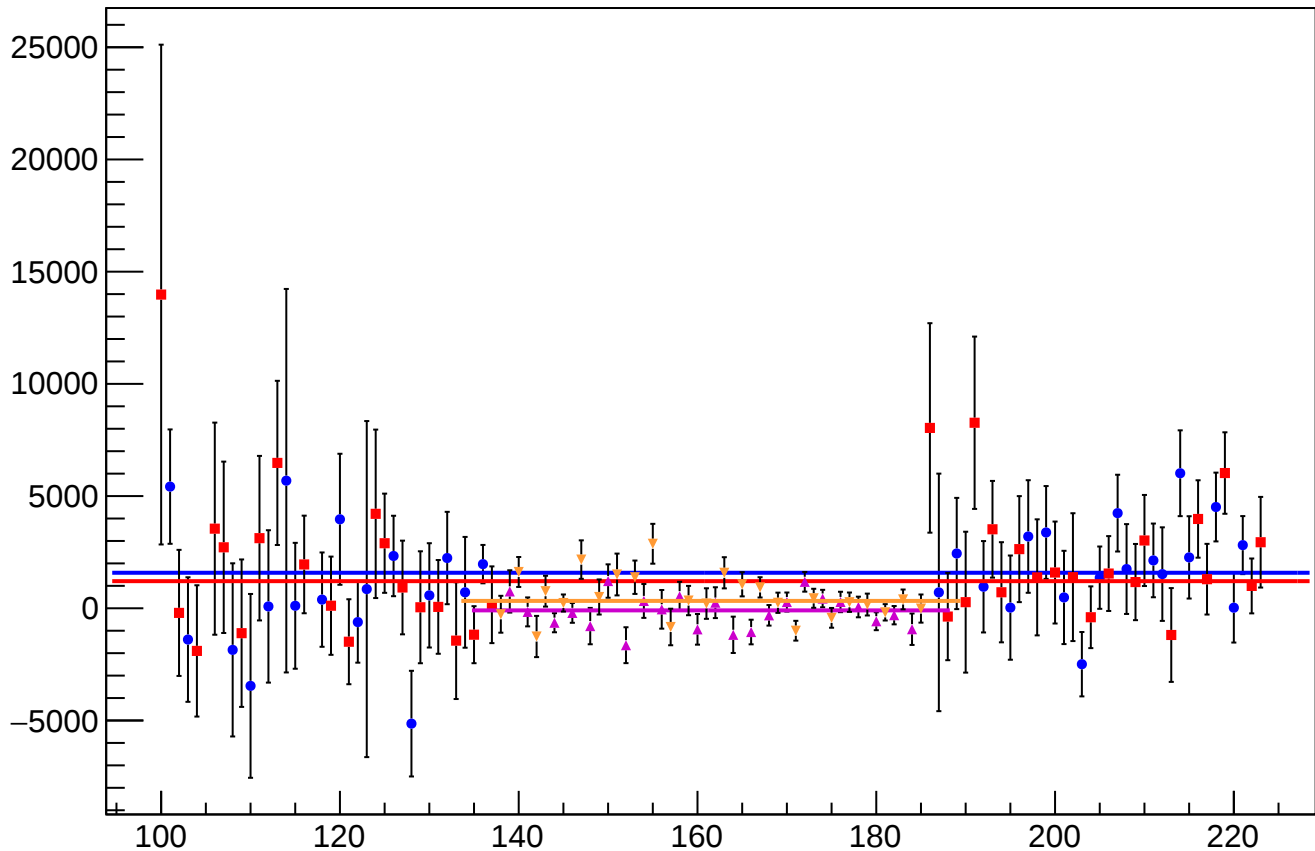
Left In: 441.009 $\pm$ 0.078 χ^2 /NDF: 2597018.1/22

+ sign 535.682 $\pm$ 0.073 χ^2 /NDF: 21586639.8/59

All: 537.715 $\pm$ 0.052 χ^2 /NDF: 44412785.4/12

- sign 539.841 $\pm$ 0.074 χ^2 /NDF: 22824538.5/61

asym_sam_26_avg_mean vs Slug



Right In: 1583.103 ± 329.570 χ^2/NDF : 41.7/34

Left Out: 328.599 ± 109.668 χ^2/NDF : 47.7/24

Right Out: 1208.642 ± 342.687 χ^2/NDF : 36.8/38

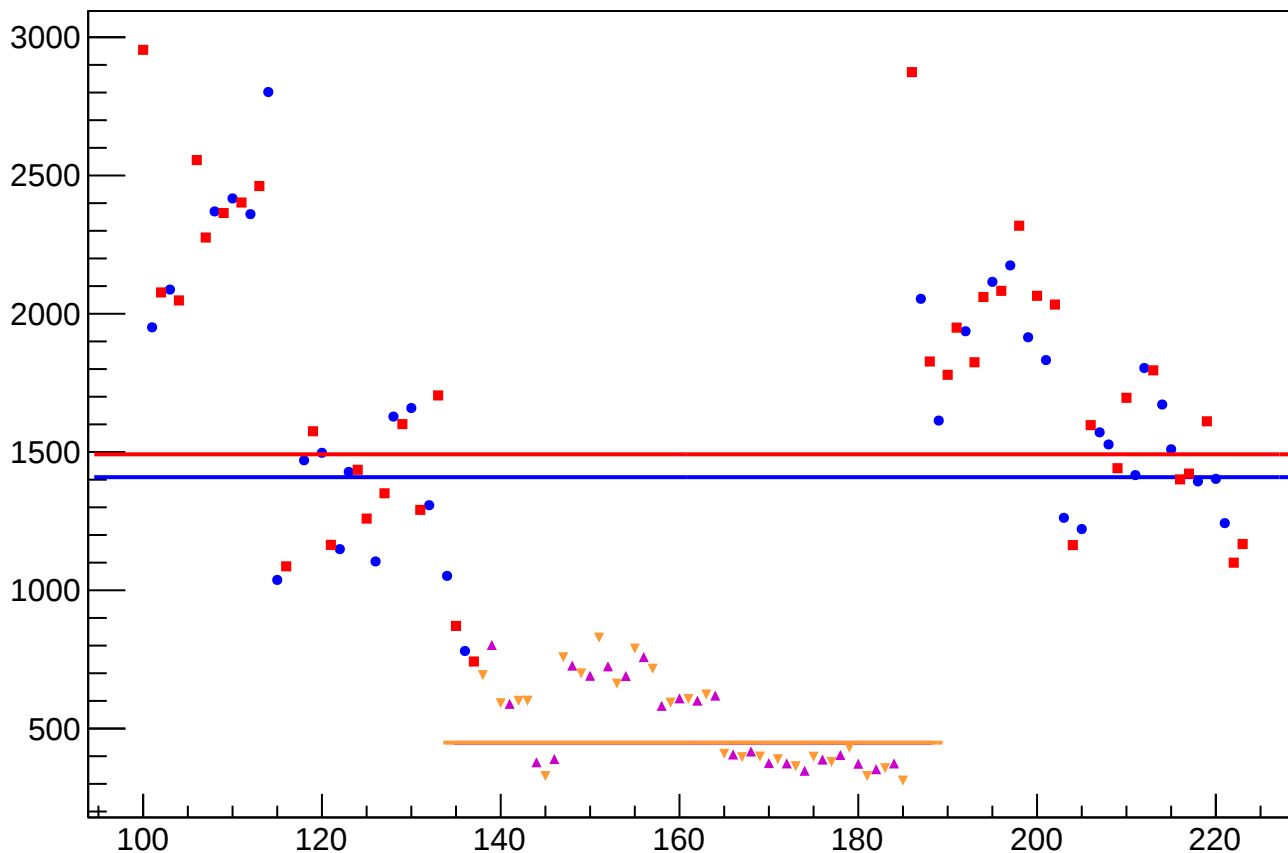
Left In: -93.310 ± 111.960 χ^2/NDF : 33.3/22

+ sign 453.662 ± 104.058 χ^2/NDF : 102.5/59

All: 247.695 ± 74.403 χ^2/NDF : 193.7/121

- sign 32.257 ± 106.424 χ^2/NDF : 83.2/61

asym_sam_26_avg_rms vs Slug



Right In: 1409.061 $\pm$ 0.233 χ^2 /NDF: 2954798.2/34

Left Out: 449.016 $\pm$ 0.078 χ^2 /NDF: 3090476.2/24

Right Out: 1491.728 $\pm$ 0.242 χ^2 /NDF: 3293968.9/38

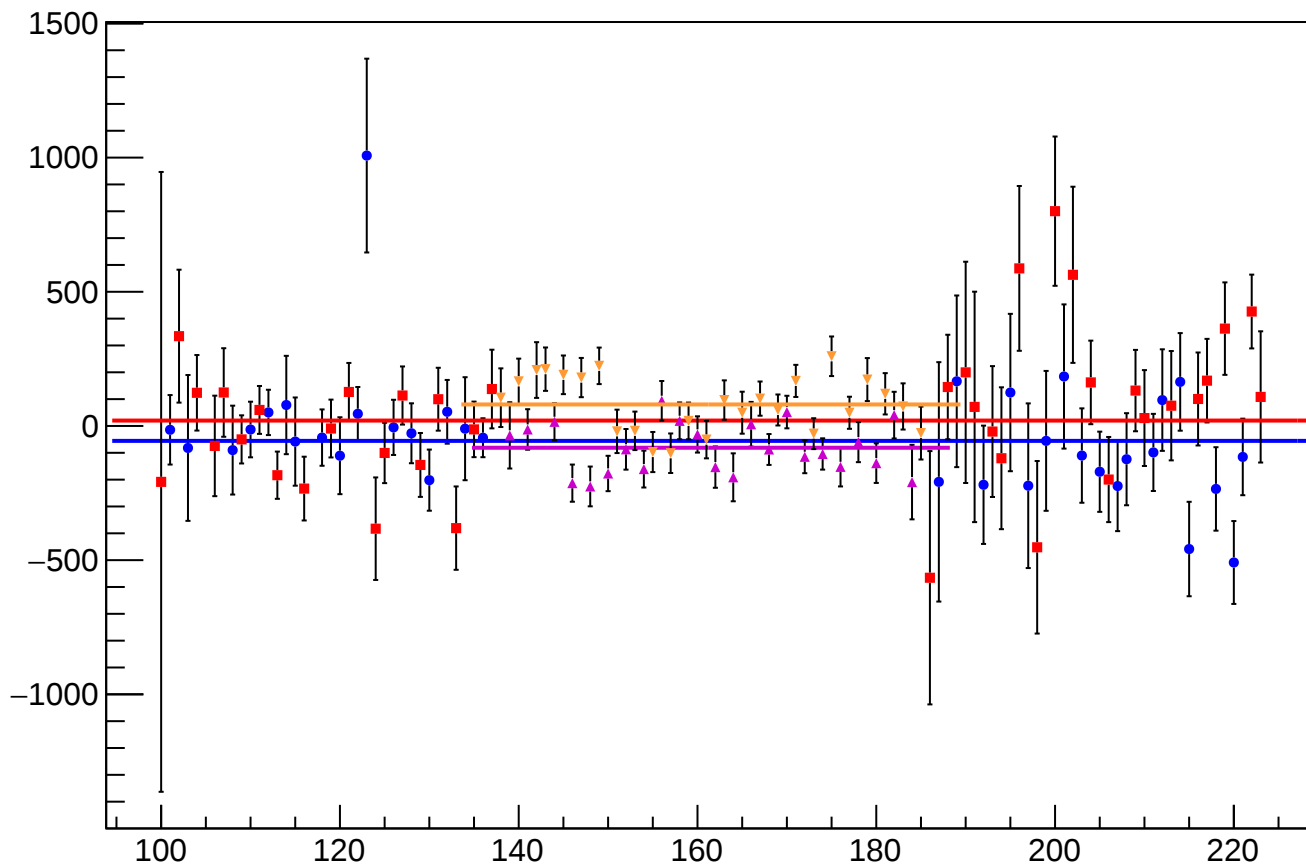
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF: 2537376.0/22

+ sign 544.724 $\pm$ 0.074 χ^2 /NDF: 21324744.0/59

All: 546.785 $\pm$ 0.053 χ^2 /NDF: 43911284.2/12

- sign 548.940 $\pm$ 0.075 χ^2 /NDF: 22584935.6/61

reg_asym_sam_37_avg_mean vs Slug



Right In: -55.552 ± 24.247 χ^2/NDF : 37.2/34

Left Out: 80.171 ± 14.592 χ^2/NDF : 48.6/24

Right Out: 20.149 ± 23.942 χ^2/NDF : 66.7/38

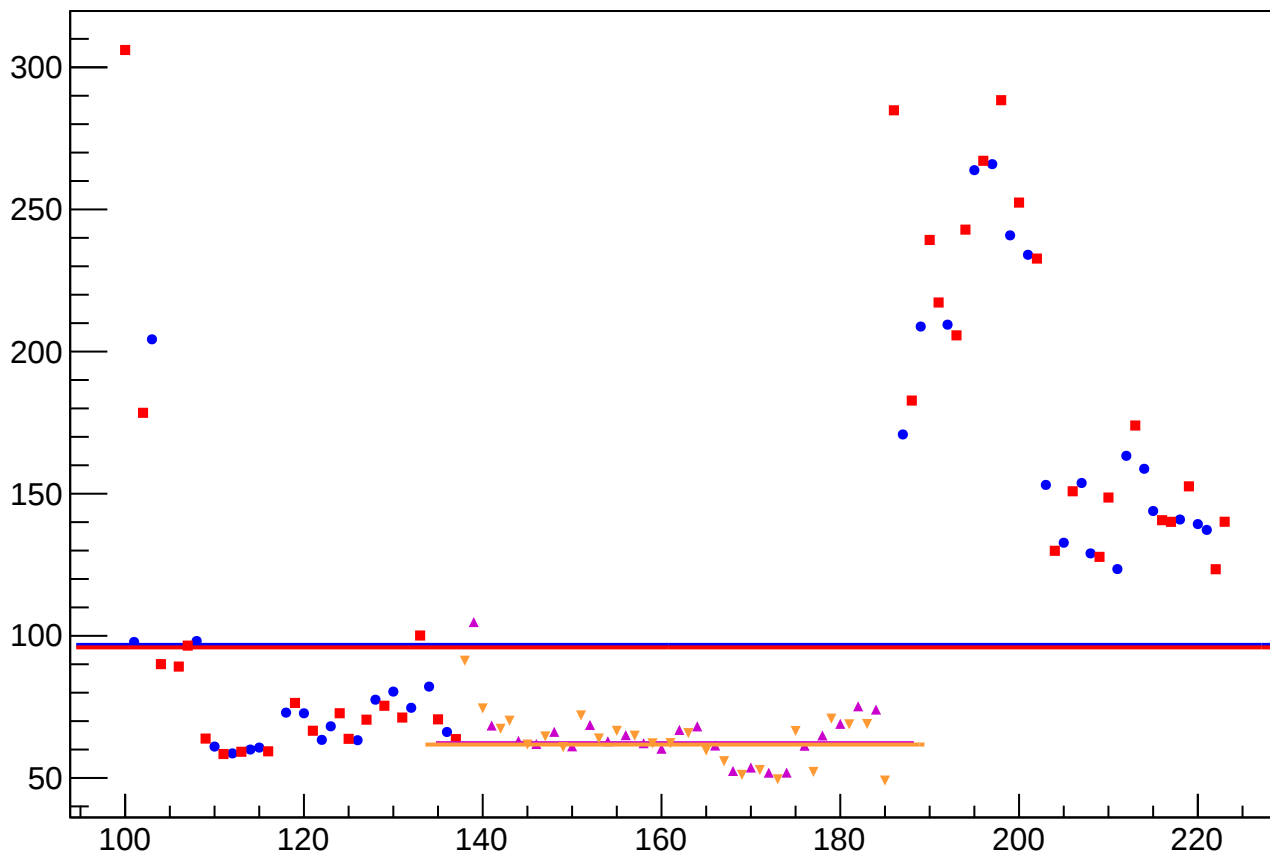
Left In: -81.156 ± 15.105 χ^2/NDF : 35.3/22

+ sign 44.085 ± 12.503 χ^2/NDF : 108.7/59

All: -3.074 ± 8.936 χ^2/NDF : 252.6/121

- sign -52.312 ± 12.775 χ^2/NDF : 114.8/61

reg_asym_sam_37_avg_rms vs Slug



Right In: 96.820 $\pm$ 0.017 χ^2 /NDF: 7282239.1/34

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 95.939 $\pm$ 0.017 χ^2 /NDF: 8333352.8/38

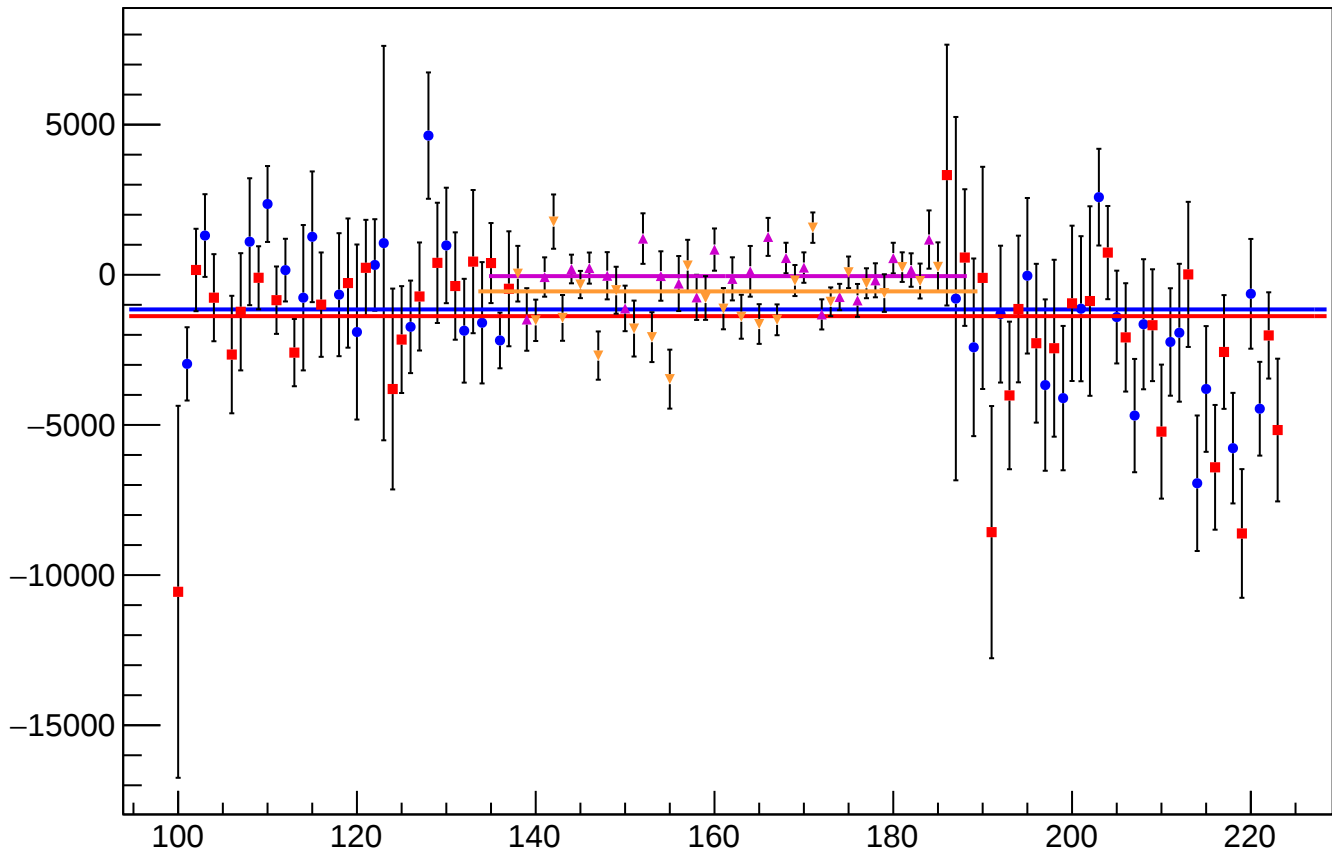
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 71.082 $\pm$ 0.009 χ^2 /NDF: 10997322.4/59

All: 71.454 $\pm$ 0.006 χ^2 /NDF: 22757859.6/121

- sign 71.842 $\pm$ 0.009 χ^2 /NDF: 11756924.5/61

asym_sam_37_avg_correction_mean vs Slug



Right In: -1153.230 ± 301.530 χ^2/NDF : 59.8/34

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -1377.236 ± 297.831 χ^2/NDF : 45.0/38

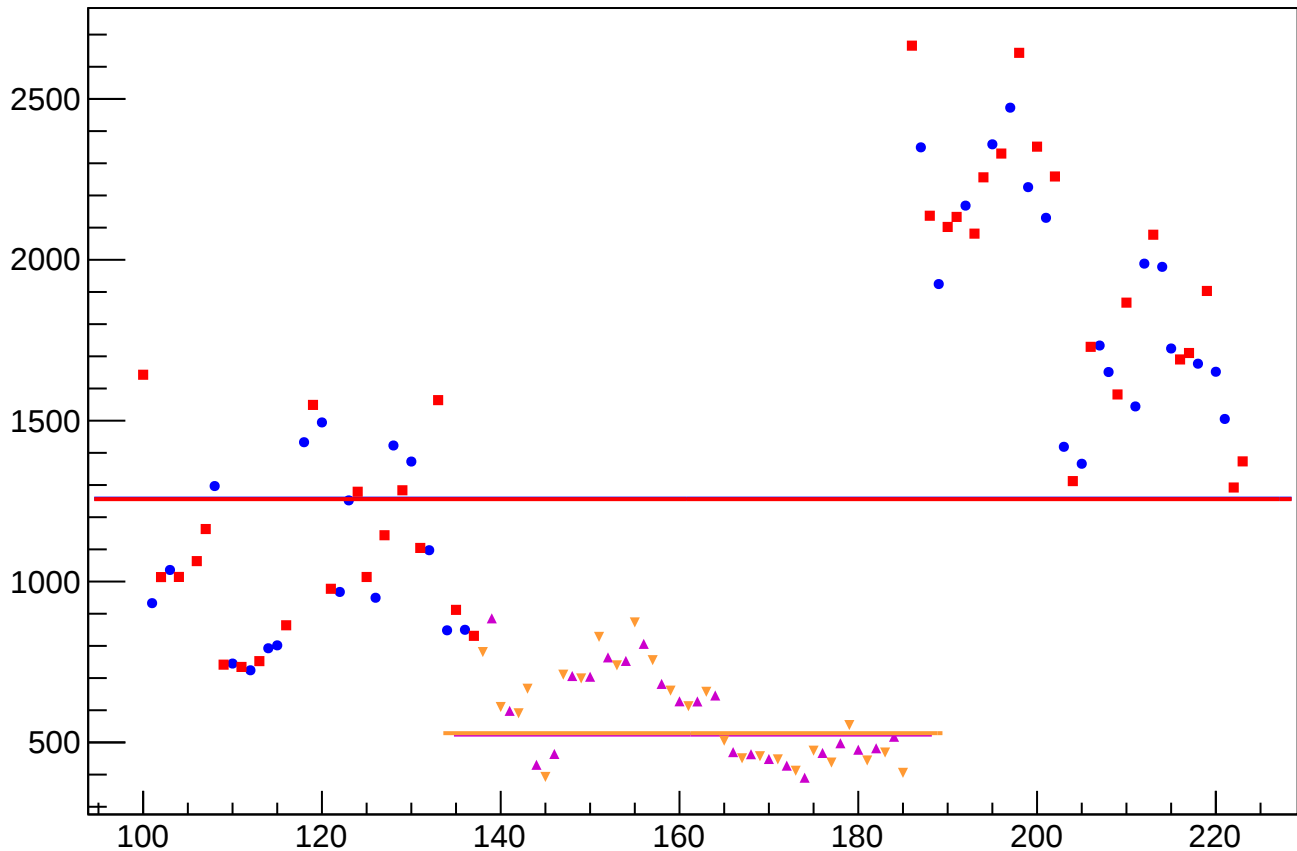
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -642.997 ± 117.027 χ^2/NDF : 128.5/59

All: -451.512 ± 83.248 χ^2/NDF : 225.3/121

- sign -255.355 ± 118.446 χ^2/NDF : 91.4/61

asym_sam_37_avg_correction_rms vs Slug



Right In: 1257.708 $\pm$ 0.213 χ^2 /NDF: 4716213.2/34

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF:1983697.7/24

Right Out: 1256.106 $\pm$ 0.211 χ^2 /NDF: 5561966.2/38

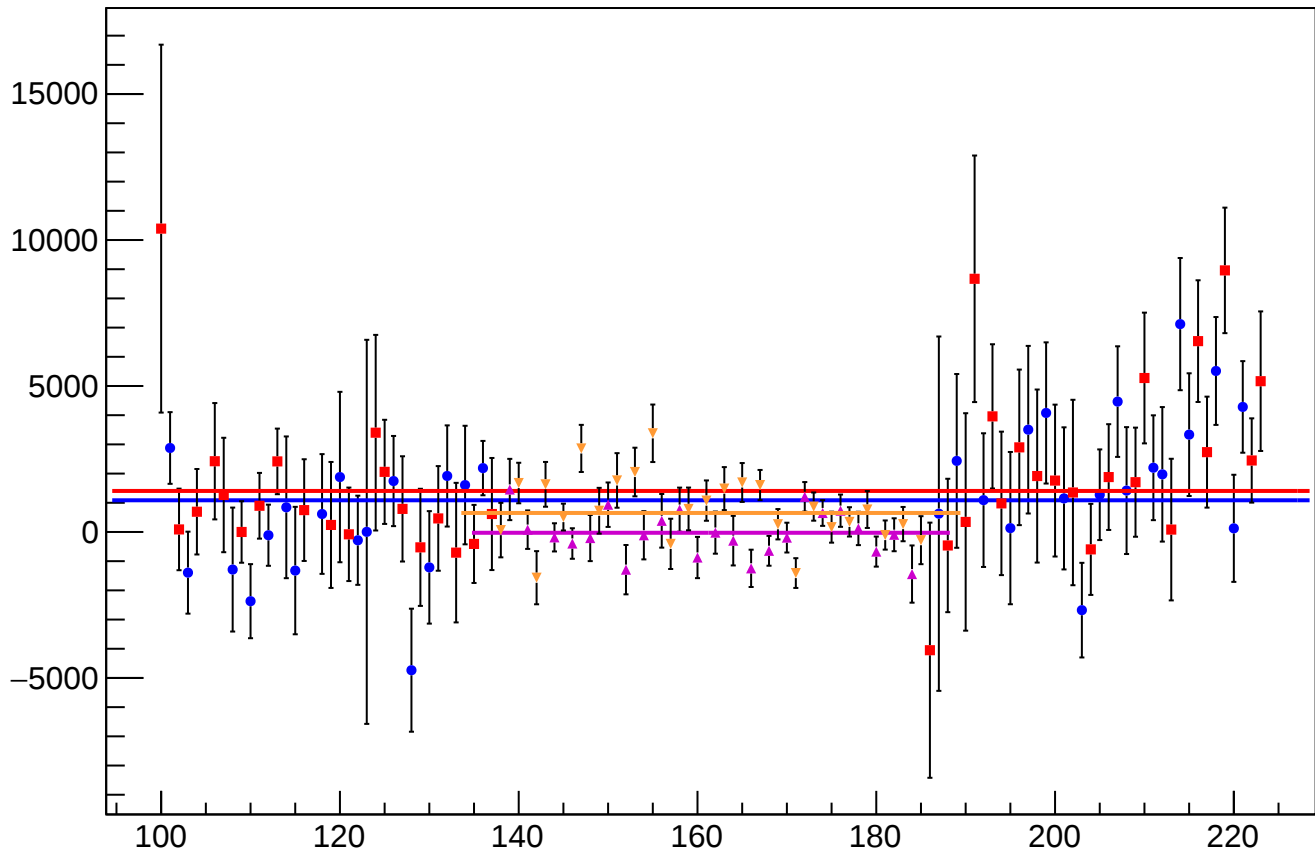
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 638.541 $\pm$ 0.083 χ^2 /NDF: 16628501.5/59

All: 639.271 $\pm$ 0.059 χ^2 /NDF: 34072820.8/12

- sign 640.018 $\pm$ 0.084 χ^2 /NDF: 17444162.2/61

asym_sam_37_avg_mean vs Slug



Right In: 1085.342 ± 302.912 χ^2/NDF : 58.5/34

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 1405.255 ± 299.299 χ^2/NDF : 45.8/38

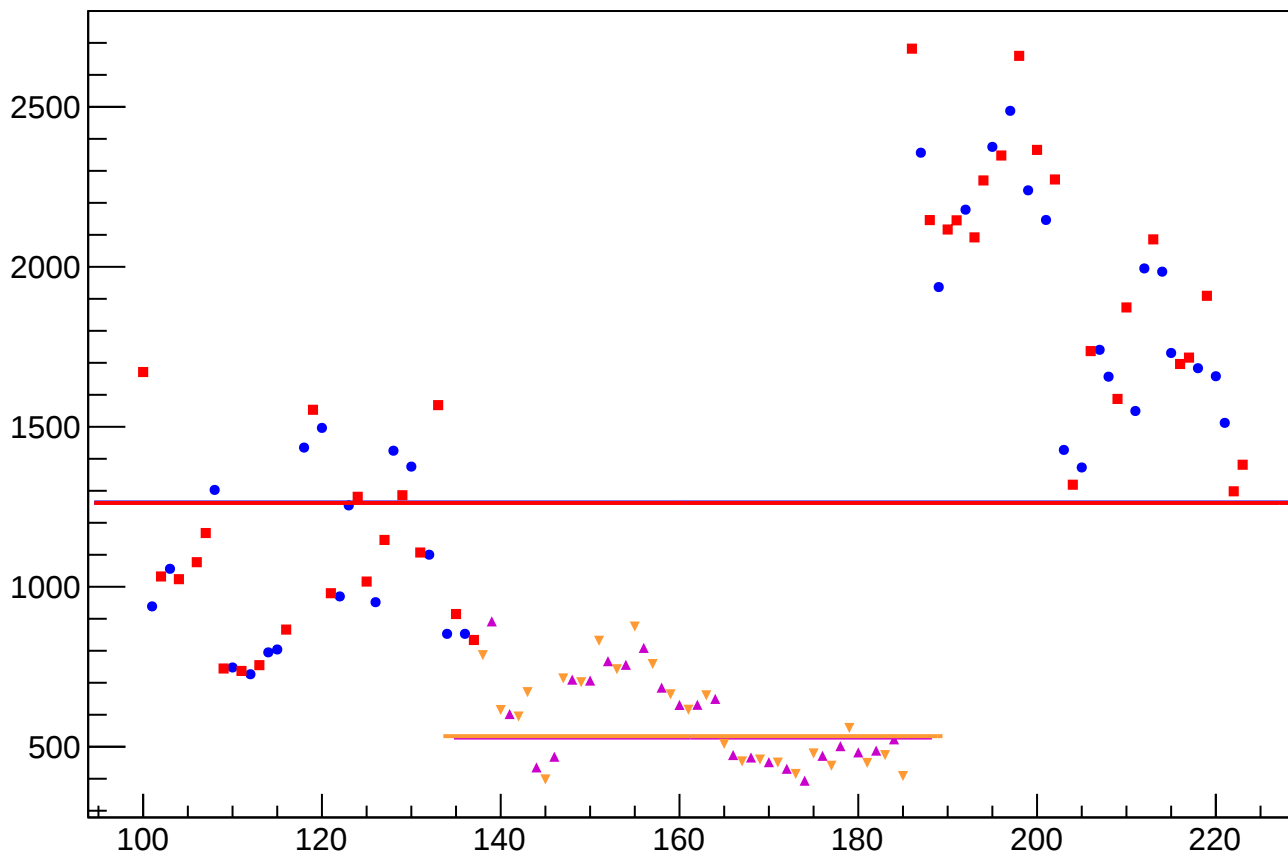
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 717.247 ± 117.875 χ^2/NDF : 121.3/59

All: 461.951 ± 83.862 χ^2/NDF : 224.3/121

- sign 200.288 ± 119.336 χ^2/NDF : 93.5/61

asym_sam_37_avg_rms vs Slug



Right In: 1263.421 $\pm$ 0.214 χ^2 /NDF: 4719491.2/34

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF: 1951536.4/24

Right Out: 1262.077 $\pm$ 0.212 χ^2 /NDF: 5567050.3/38

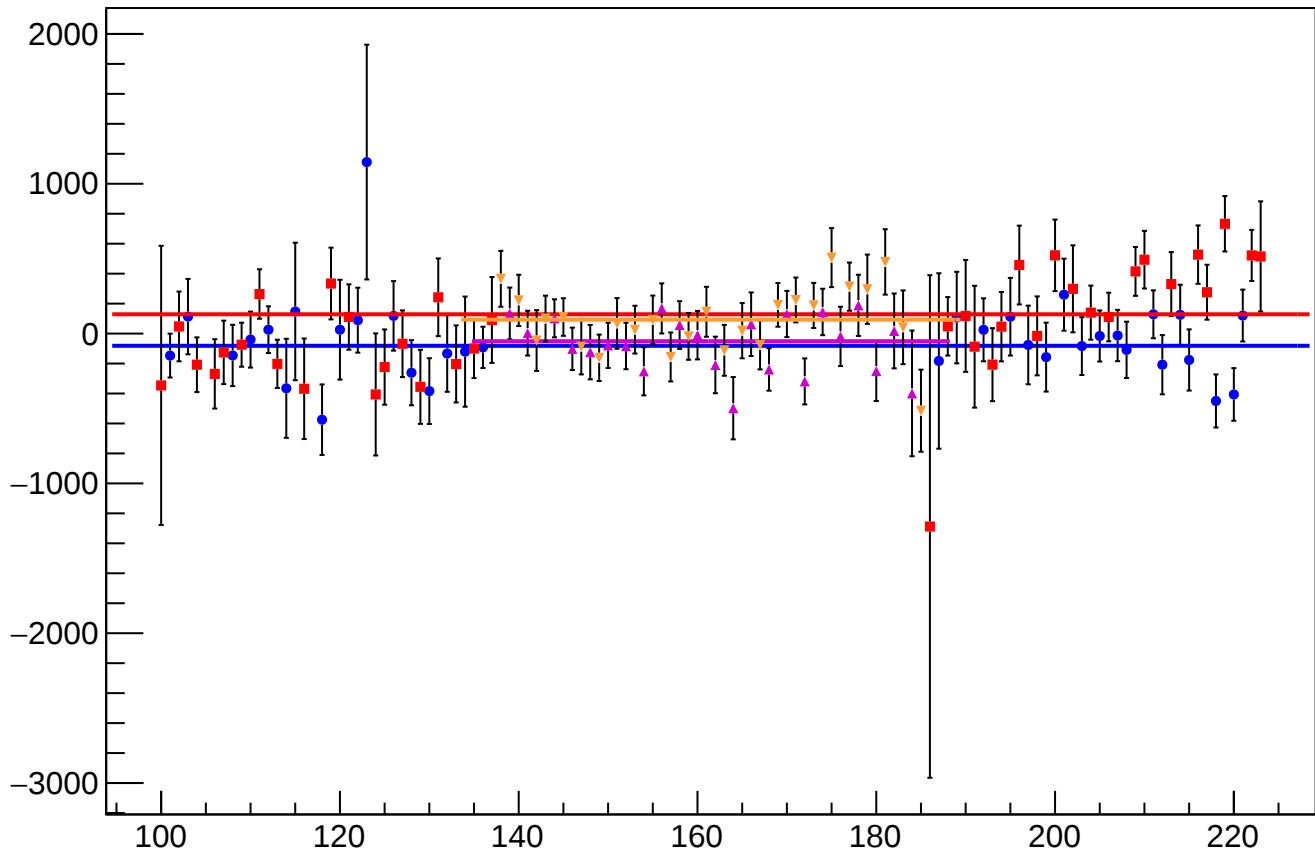
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF: 1688511.2/22

+ sign 643.659 $\pm$ 0.083 χ^2 /NDF: 16537481.0/59

All: 644.461 $\pm$ 0.059 χ^2 /NDF: 33892496.1/12

- sign 645.284 $\pm$ 0.084 χ^2 /NDF: 17354827.2/61

reg_asym_sam_48_avg_mean vs Slug



Right In: -81.561 ± 35.522 χ^2/NDF : 29.6/34

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: 128.828 ± 35.317 χ^2/NDF : 67.0/38

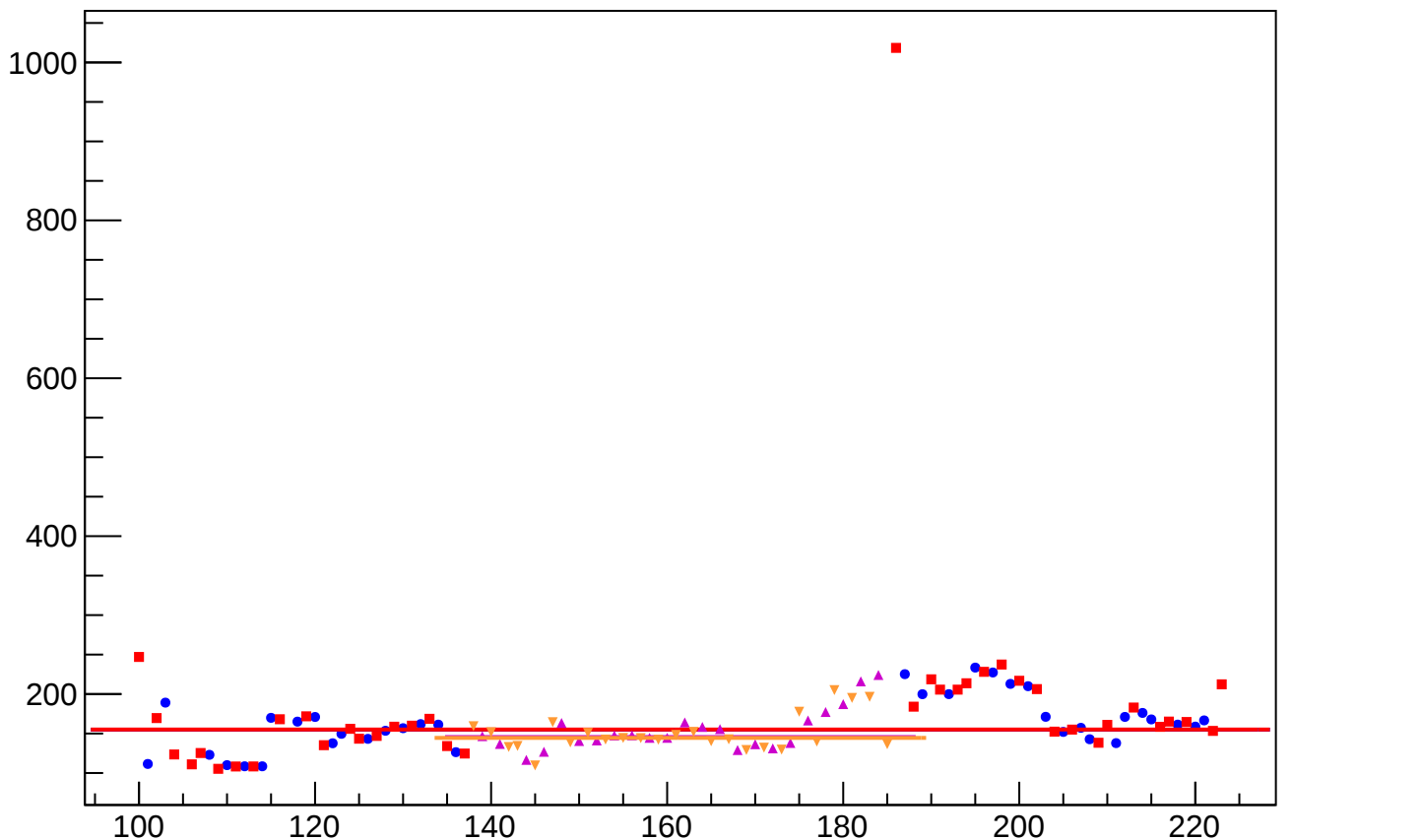
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 9.398 ± 24.582 χ^2/NDF : 71.6/59

All: 23.910 ± 17.514 χ^2/NDF : 175.7/121

- sign 38.871 ± 24.960 χ^2/NDF : 103.5/61

reg_asym_sam_48_avg_rms vs Slug



Right In: 154.857+/-0.025 χ^2/NDF : 1544426.6/34

Left Out: 144.475+/-0.024 χ^2/NDF : 670488.7/24

Right Out: 155.057+/-0.025 χ^2/NDF : 2386543.6/38

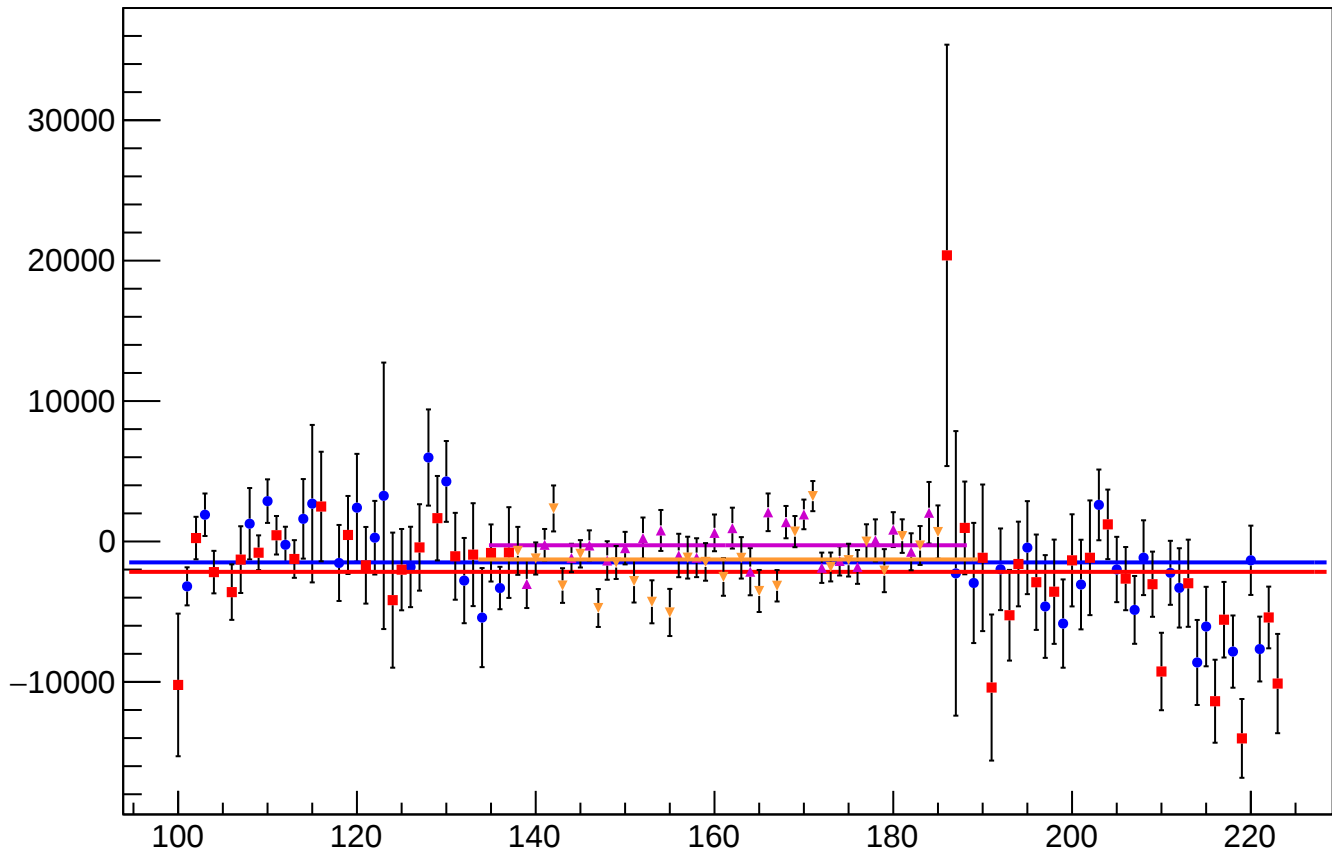
Left In: 145.535+/-0.025 χ^2/NDF : 643529.3/22

+ sign 149.447+/-0.017 χ^2/NDF : 2303943.1/59

All: 149.863+/-0.012 χ^2/NDF : 5407953.1/123

- sign 150.291+/-0.018 χ^2/NDF : 3102850.1/61

asym_sam_48_avg_correction_mean vs Slug



Right In: -1489.164 ± 412.138 χ^2/NDF : 61.5/34

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -2162.785 ± 393.805 χ^2/NDF : 68.5/38

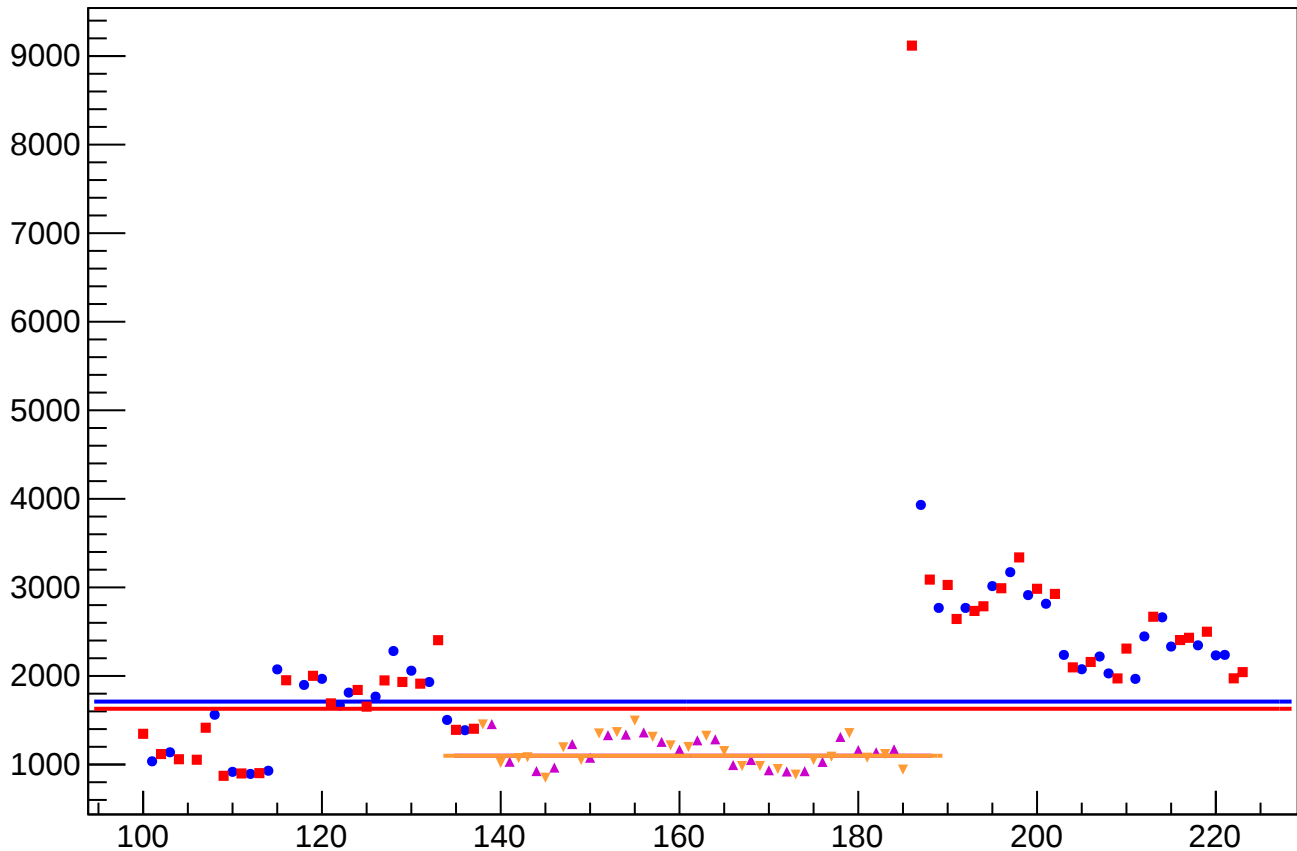
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1338.834 ± 219.474 χ^2/NDF : 117.6/59

All: -1102.463 ± 155.576 χ^2/NDF : 228.6/121

- sign -863.735 ± 220.566 χ^2/NDF : 108.6/61

asym_sam_48_avg_correction_rms vs Slug



Right In: 1710.659 $\pm$ 0.291 χ^2/NDF : 5163258.1/34

Left Out: 1098.909 $\pm$ 0.183 χ^2/NDF : 824328.7/24

Right Out: 1629.461 $\pm$ 0.278 χ^2/NDF : 6928233.2/38

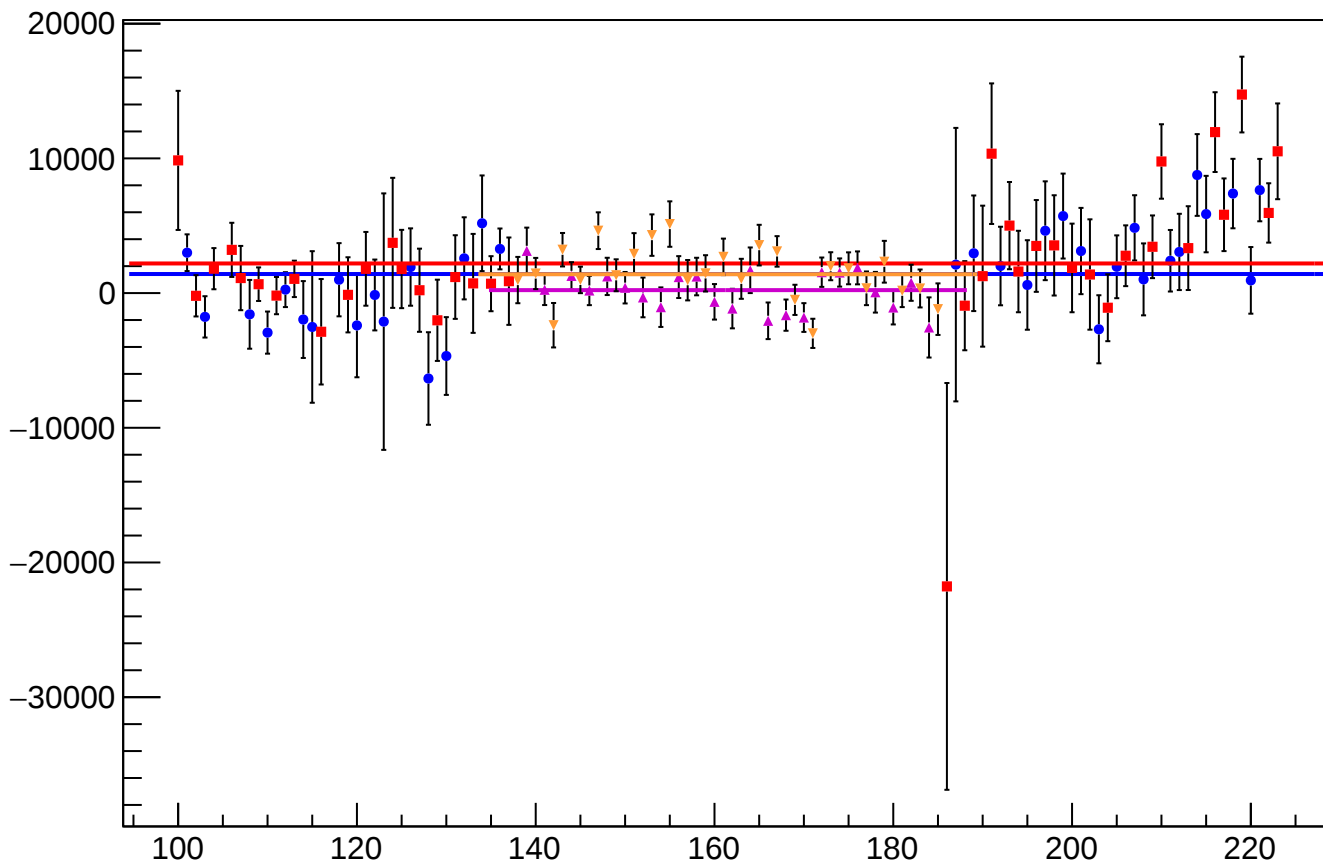
Left In: 1099.585 $\pm$ 0.188 χ^2/NDF : 679896.1/22

+ sign 1272.391 $\pm$ 0.155 χ^2/NDF : 9144465.5/59

All: 1269.116 $\pm$ 0.110 χ^2/NDF : 19238513.4/61

- sign 1265.807 $\pm$ 0.156 χ^2/NDF : 10093152.5/61

asym_sam_48_avg_mean vs Slug



Right In: 1414.699 $\pm$ 414.218 χ^2 /NDF: 60.7/34

Left Out: 1400.458 $\pm$ 261.804 χ^2 /NDF: 52.2/24

Right Out: 2198.658 $\pm$ 396.179 χ^2 /NDF: 73.9/38

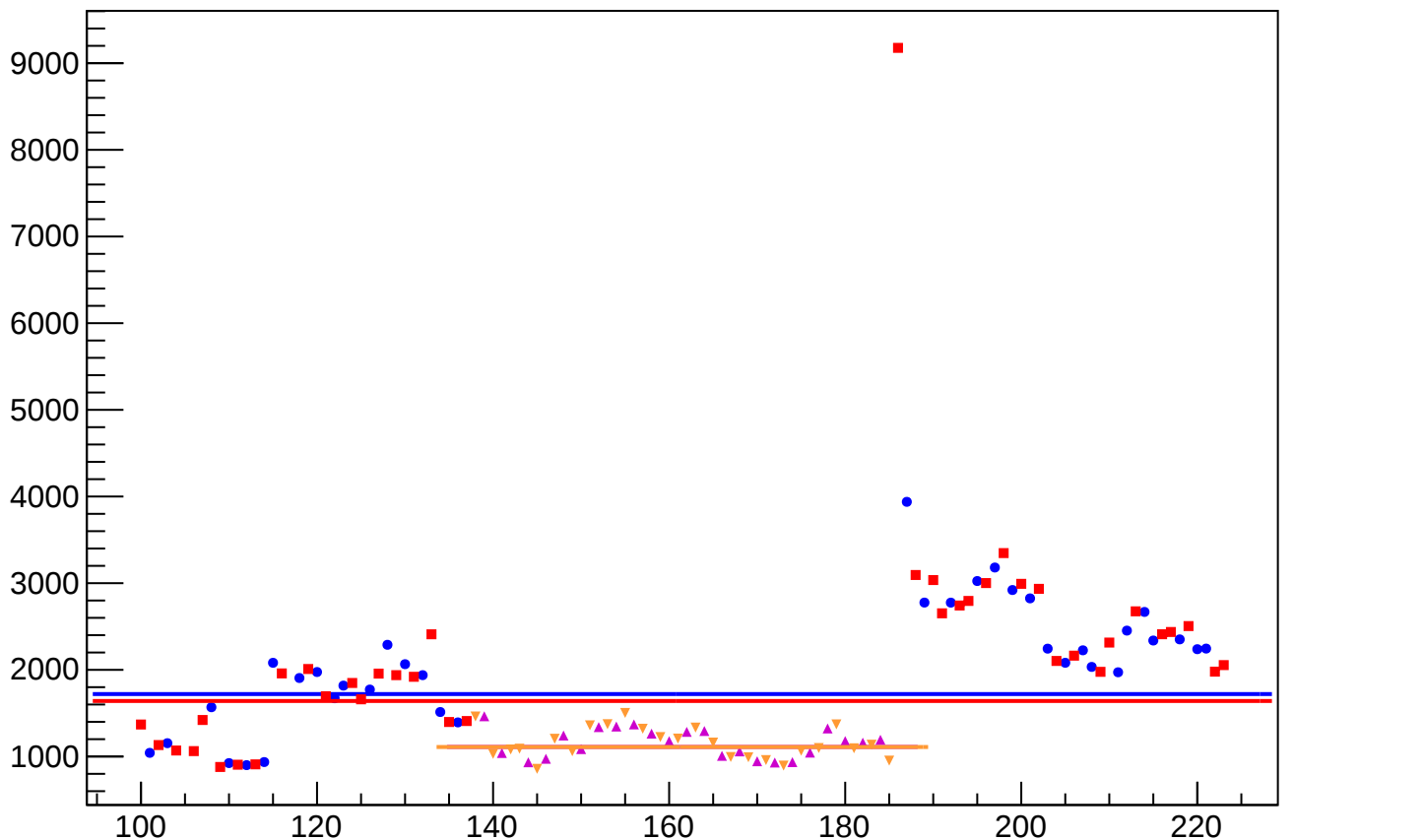
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1404.523 $\pm$ 221.306 χ^2 /NDF: 112.9/59

All: 1125.463 $\pm$ 156.895 χ^2 /NDF: 232.1/121

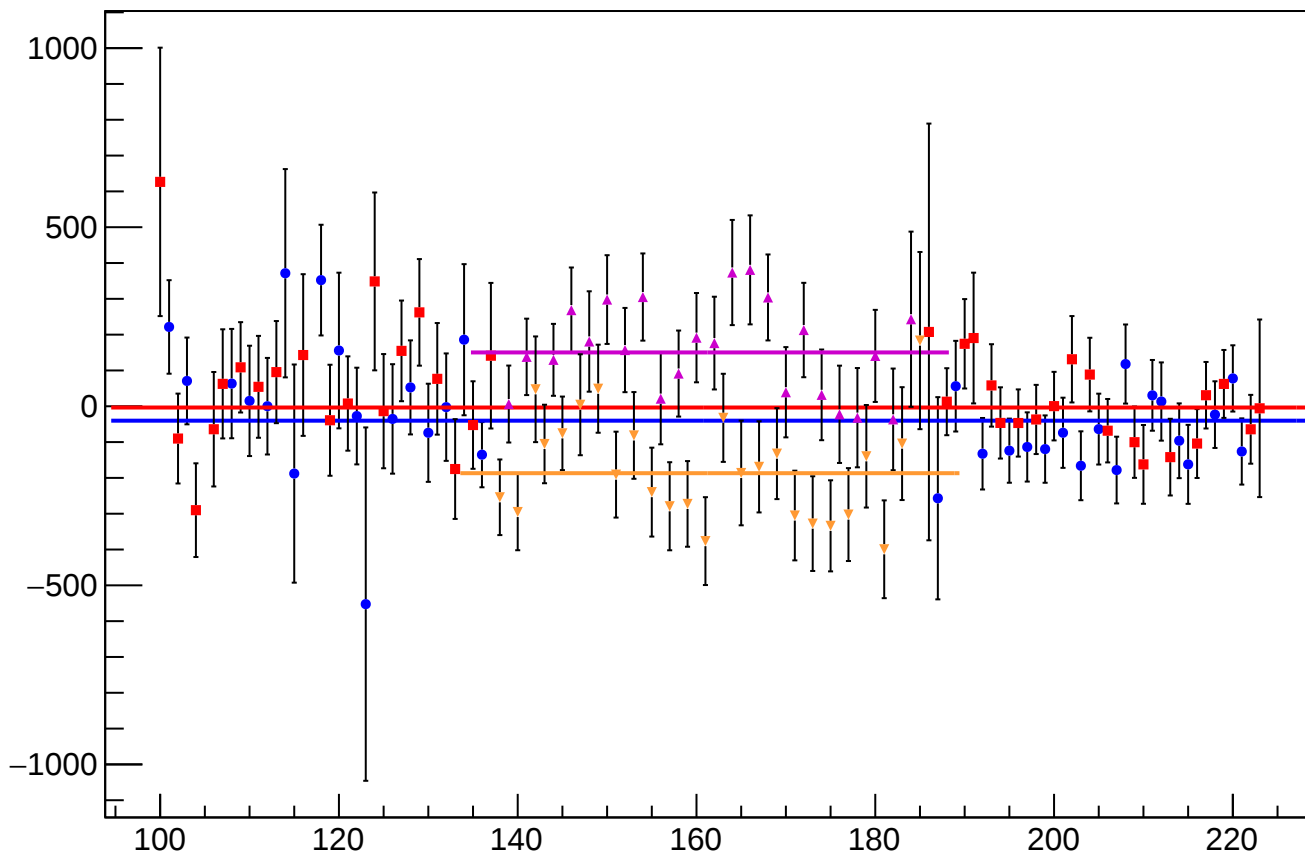
- sign 843.474 $\pm$ 222.464 χ^2 /NDF: 116.0/61

asym_sam_48_avg_rms vs Slug



Right In: 1720.756+/-0.293 χ^2/NDF : 5106184.8/34 + sign 1284.169+/-0.156 χ^2/NDF : 9027779.0/59
 Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24 All: 1280.972+/-0.111 χ^2/NDF : 19006797.5/1
 Right Out: 1640.817+/-0.280 χ^2/NDF : 6854994.5/38 - sign 1277.743+/-0.157 χ^2/NDF : 9978179.8/61
 Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

reg_asym_sam_15_dd_mean vs Slug



Right In: -40.229 ± 20.022 χ^2/NDF : 34.1/34

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: -3.468 ± 19.739 χ^2/NDF : 32.8/38

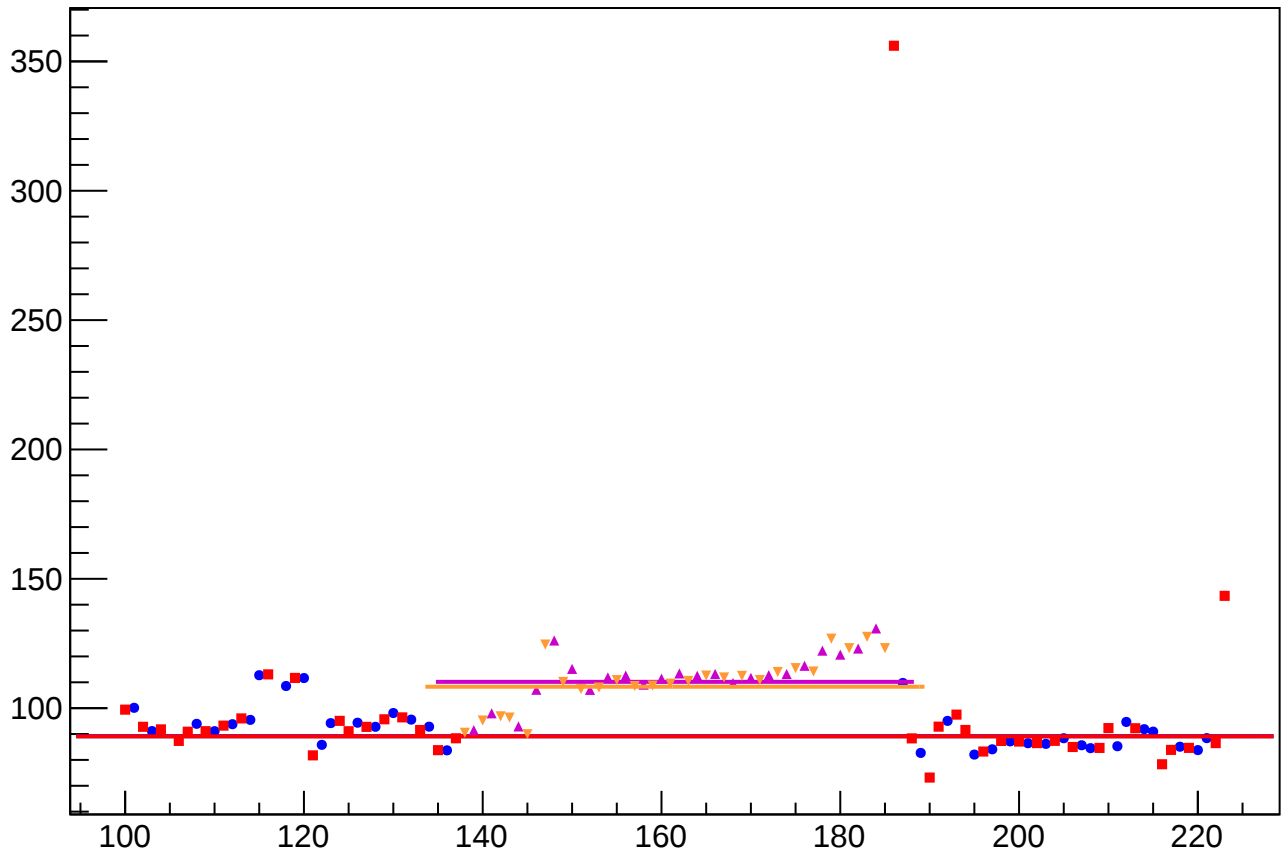
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -96.666 ± 15.702 χ^2/NDF : 81.3/59

All: -23.102 ± 11.144 χ^2/NDF : 200.8/121

- sign 51.557 ± 15.819 χ^2/NDF : 75.2/61

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.164 $\pm$ 0.014 χ^2 /NDF: 182918.5/34

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 89.102 $\pm$ 0.014 χ^2 /NDF: 720966.9/38

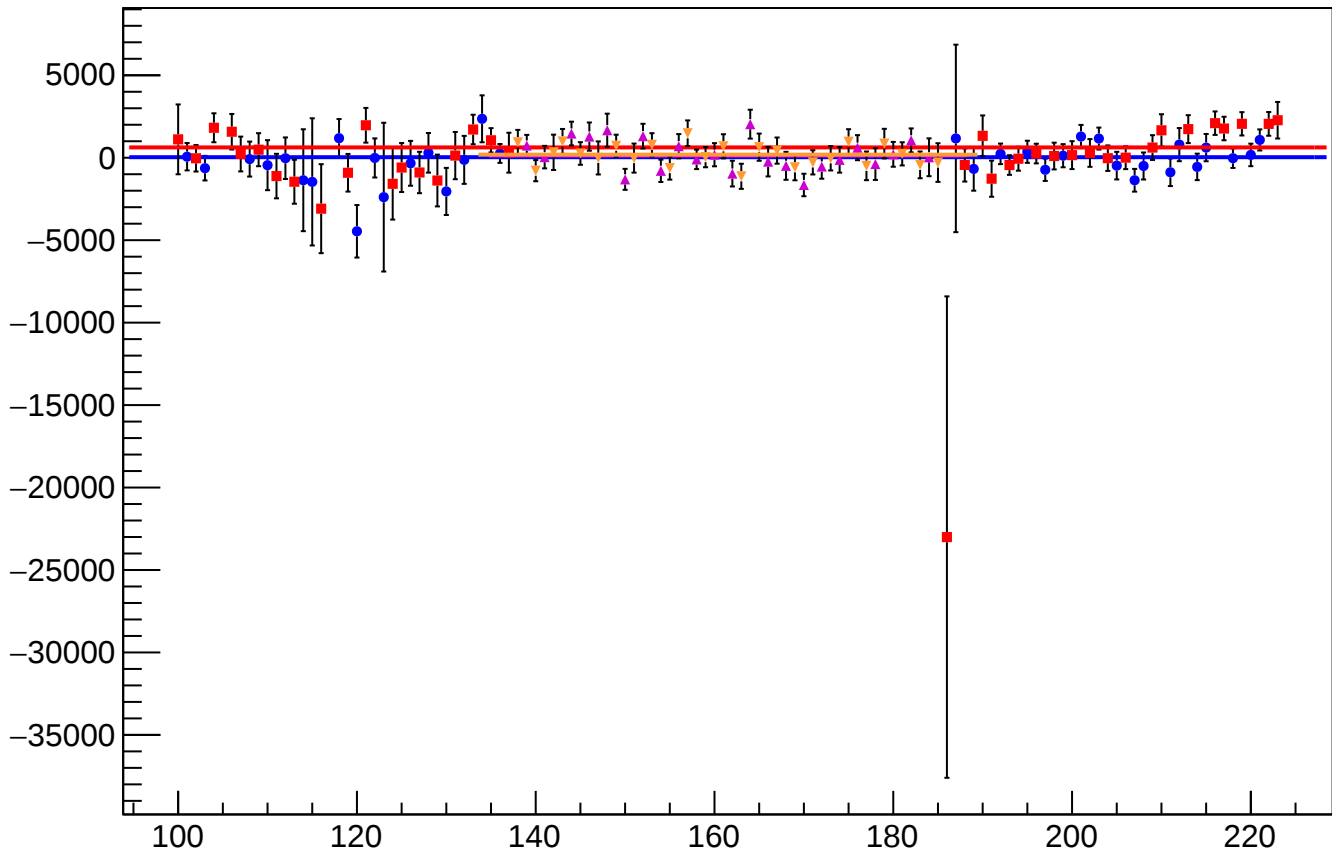
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 96.525 $\pm$ 0.011 χ^2 /NDF: 1215972.6/59

All: 96.583 $\pm$ 0.008 χ^2 /NDF: 2999356.8/121

- sign 96.642 $\pm$ 0.011 χ^2 /NDF: 1783329.8/61

asym_sam_15_dd_correction_mean vs Slug



Right In: 32.166+/-149.376 χ^2/NDF : 34.0/34

Left Out: 185.392+/-153.683 χ^2/NDF : 18.4/24

Right Out: 625.833+/-147.875 χ^2/NDF : 53.7/38

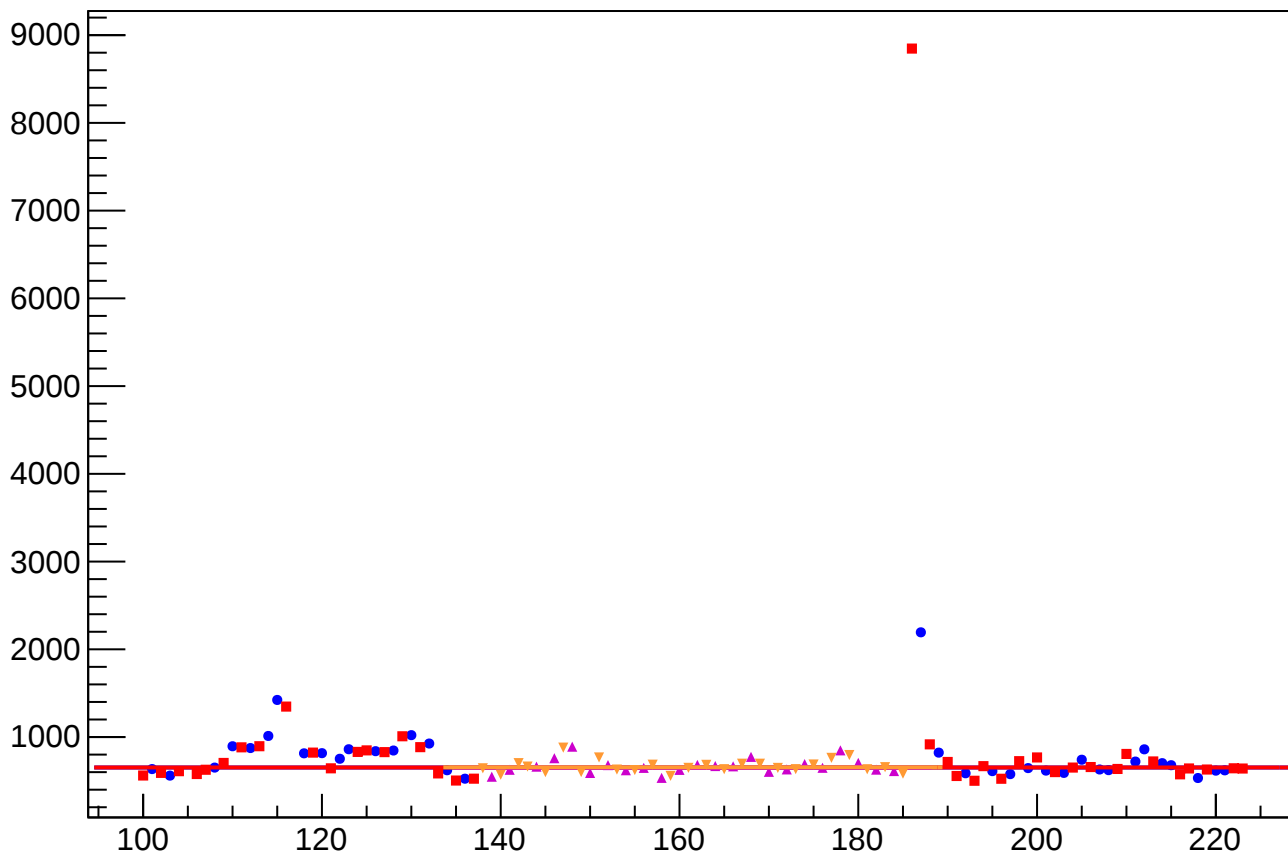
Left In: 128.782+/-157.155 χ^2/NDF : 36.2/22

+ sign 106.602+/-107.115 χ^2/NDF : 52.9/59

All: 248.737+/-75.946 χ^2/NDF : 151.7/121

- sign 392.415+/-107.695 χ^2/NDF : 95.2/61

asym_sam_15_dd_correction_rms vs Slug



Right In: 652.790 $\pm$ 0.106 χ^2 /NDF: 1208244.2/34

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 653.209 $\pm$ 0.105 χ^2 /NDF: 1857306.7/38

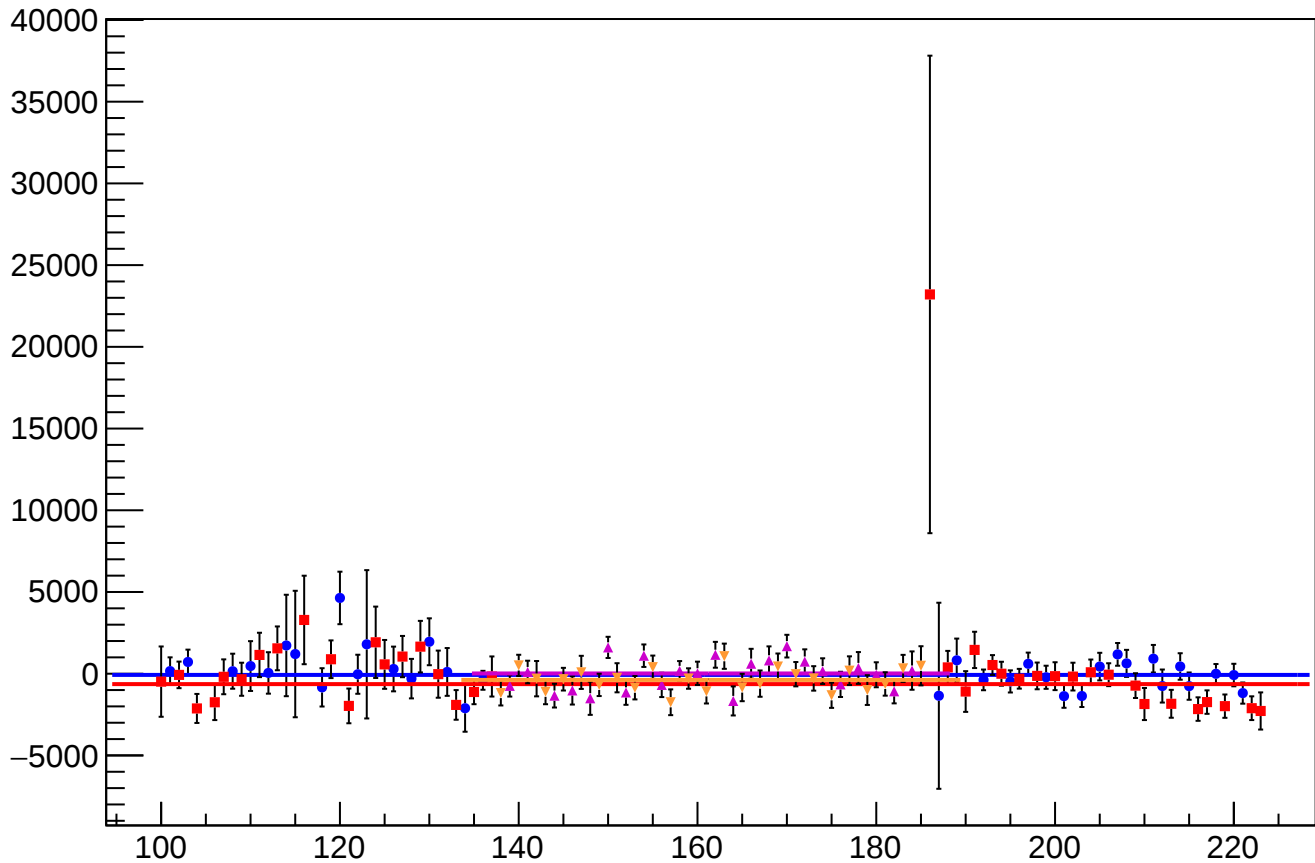
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 653.939 $\pm$ 0.076 χ^2 /NDF: 1575837.5/59

All: 653.033 $\pm$ 0.054 χ^2 /NDF: 3899781.2/123

- sign 652.117 $\pm$ 0.076 χ^2 /NDF: 2323655.7/61

asym_sam_15_dd_mean vs Slug



Right In: -73.671 ± 150.894 χ^2/NDF : 34.8/34

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -636.750 ± 149.428 χ^2/NDF : 57.9/38

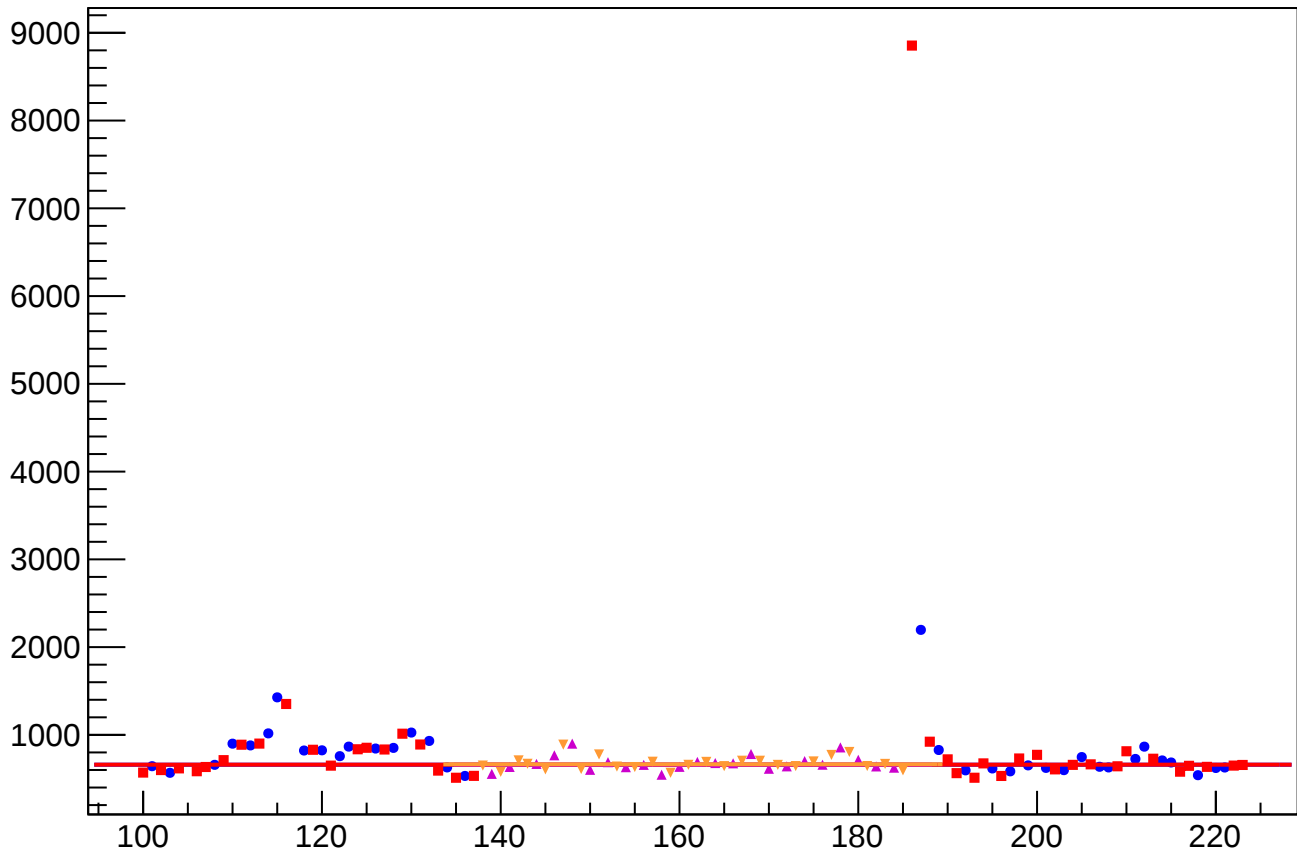
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -221.590 ± 108.422 χ^2/NDF : 55.6/59

All: -276.594 ± 76.888 χ^2/NDF : 160.1/121

- sign -332.238 ± 109.053 χ^2/NDF : 104.0/61

asym_sam_15_dd_rms vs Slug



Right In: 659.807 $\pm$ 0.107 χ^2 /NDF: 1179871.4/34

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 660.531 $\pm$ 0.106 χ^2 /NDF: 1819765.7/38

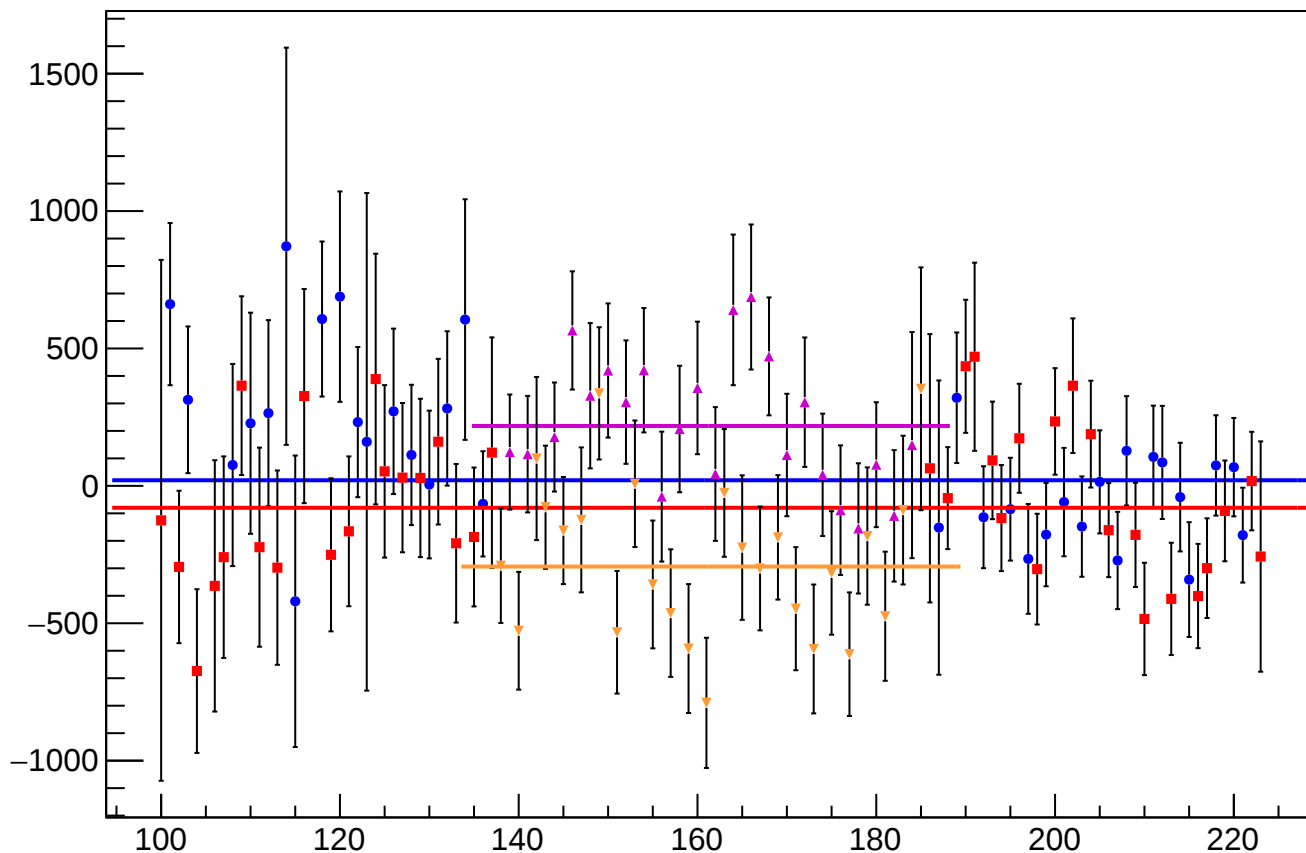
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 662.209 $\pm$ 0.077 χ^2 /NDF: 1537973.0/59

All: 661.458 $\pm$ 0.054 χ^2 /NDF: 3807116.9/123

- sign 660.699 $\pm$ 0.077 χ^2 /NDF: 2268951.1/61

reg_asym_sam_26_dd_mean vs Slug



Right In: 20.373 ± 39.469 χ^2/NDF : 35.1/34

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: -79.746 ± 39.453 χ^2/NDF : 42.4/38

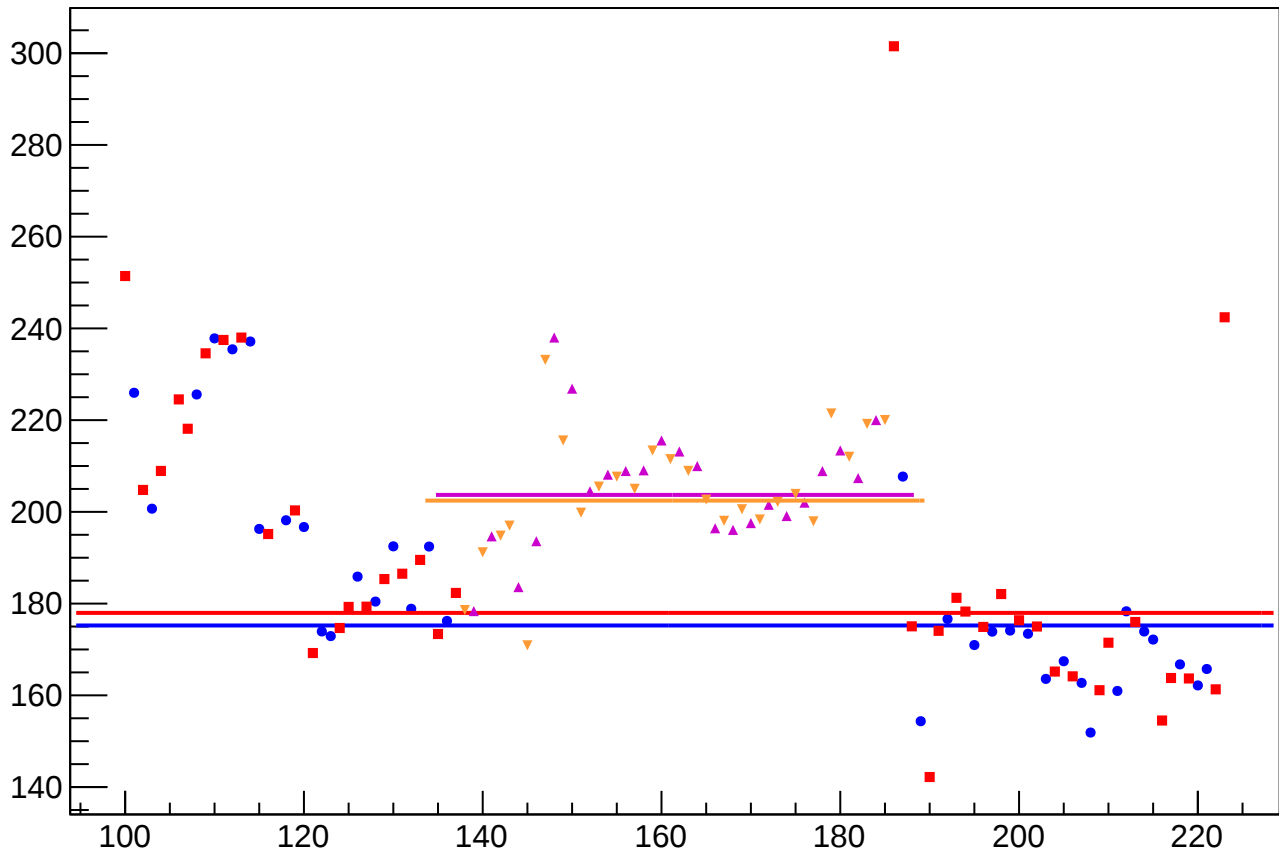
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -108.816 ± 30.279 χ^2/NDF : 91.5/59

All: -36.449 ± 21.553 χ^2/NDF : 189.2/121

- sign 37.873 ± 30.685 χ^2/NDF : 86.2/61

reg_asym_sam_26_dd_rms vs Slug



Right In: 175.230 $\pm$ 0.028 χ^2 /NDF: 386046.4/34

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 177.973 $\pm$ 0.028 χ^2 /NDF: 629139.1/38

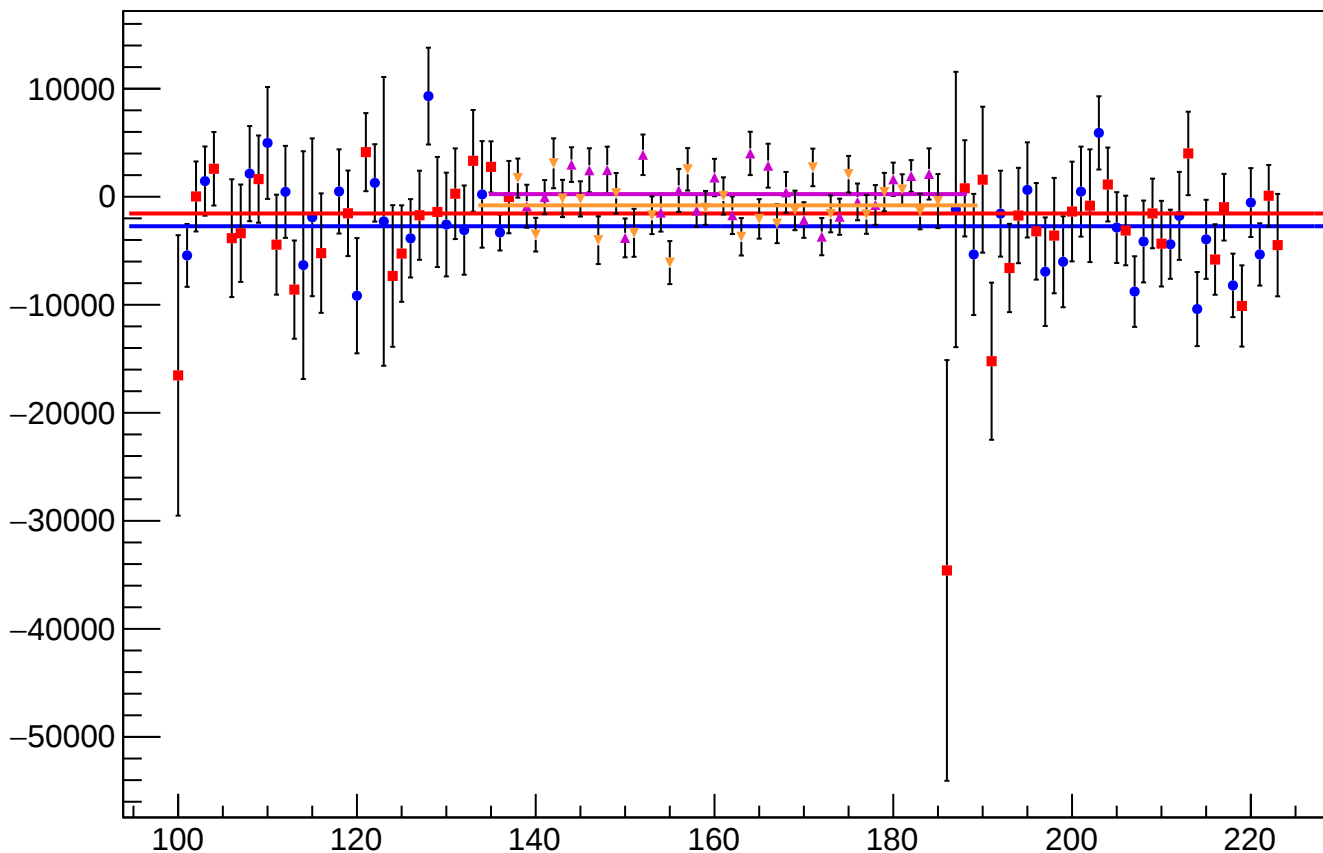
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 186.434 $\pm$ 0.021 χ^2 /NDF: 936297.5/59

All: 187.274 $\pm$ 0.015 χ^2 /NDF: 2040700.9/123

- sign 188.137 $\pm$ 0.022 χ^2 /NDF: 1101281.5/61

asym_sam_26_dd_correction_mean vs Slug



Right In: -2729.126 ± 632.103 χ^2/NDF : 40.9/34

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1548.731 ± 650.930 χ^2/NDF : 35.8/38

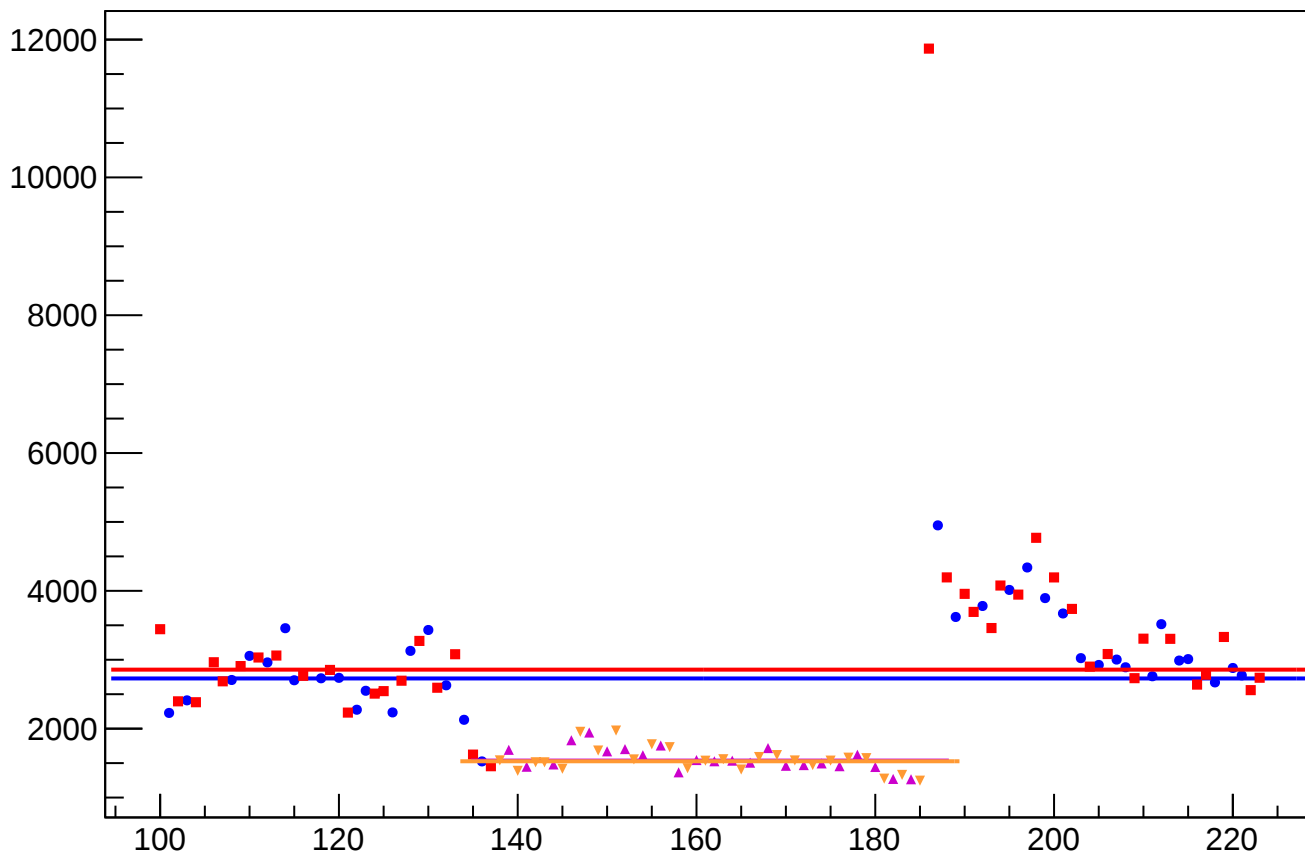
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -1265.592 ± 311.410 χ^2/NDF : 83.8/59

All: -746.342 ± 223.704 χ^2/NDF : 166.7/121

- sign -192.674 ± 321.565 χ^2/NDF : 77.2/61

asym_sam_26_dd_correction_rms vs Slug



Right In: 2728.507 $\pm$ 0.447 χ^2 /NDF: 2332647.4/34

Left Out: 1526.712 $\pm$ 0.253 χ^2 /NDF: 394892.7/24

Right Out: 2856.455 $\pm$ 0.460 χ^2 /NDF: 2707527.7/38

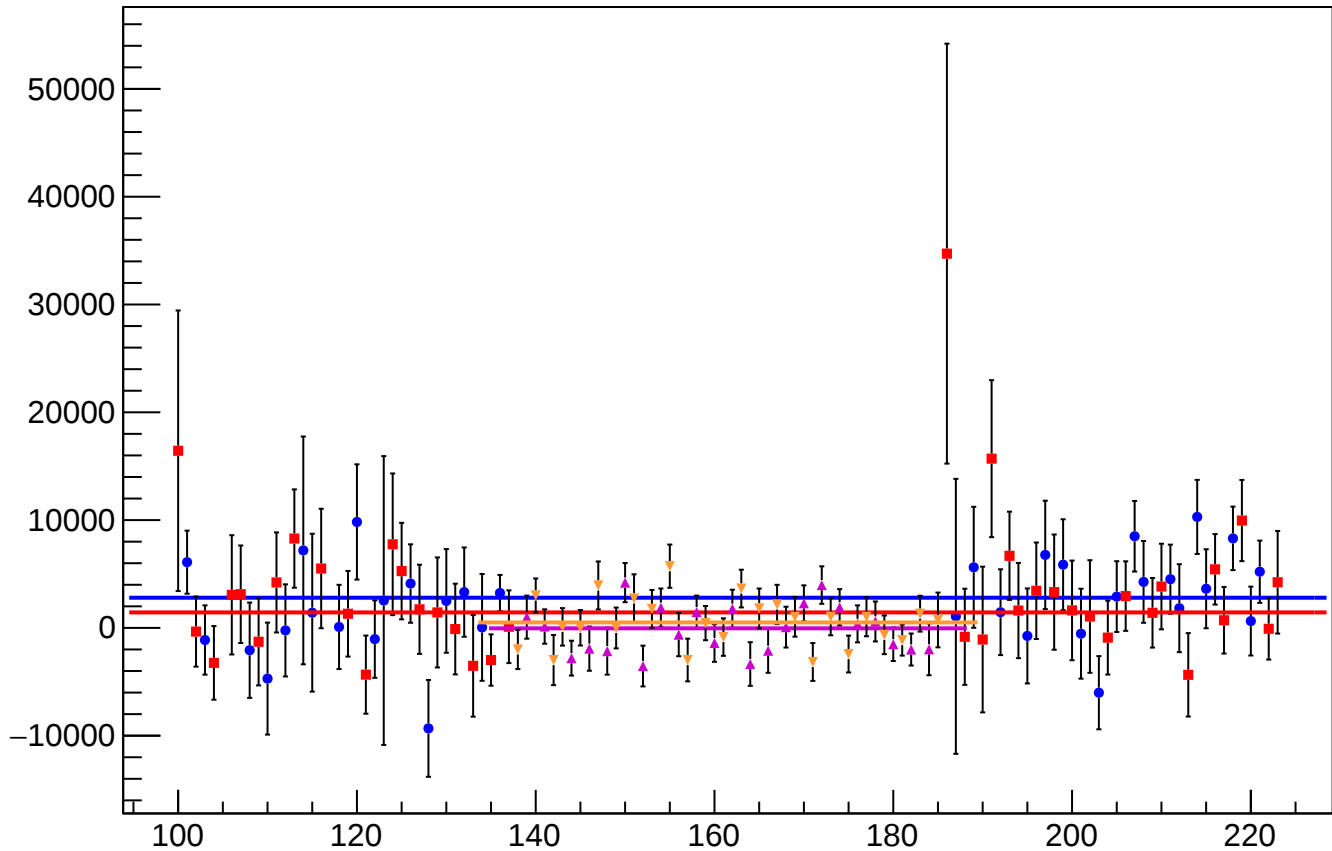
Left In: 1536.538 $\pm$ 0.262 χ^2 /NDF: 350373.3/22

+ sign 1818.401 $\pm$ 0.220 χ^2 /NDF: 8202450.9/59

All: 1837.883 $\pm$ 0.158 χ^2 /NDF: 17493101.0/1

- sign 1858.657 $\pm$ 0.227 χ^2 /NDF: 9274475.6/61

asym_sam_26_dd_mean vs Slug



Right In: 2799.522 ± 633.945 $\chi^2/\text{NDF}: 40.5/34$

Left Out: 507.982 ± 361.172 $\chi^2/\text{NDF}: 35.4/24$

Right Out: 1435.391 ± 652.731 $\chi^2/\text{NDF}: 36.1/38$

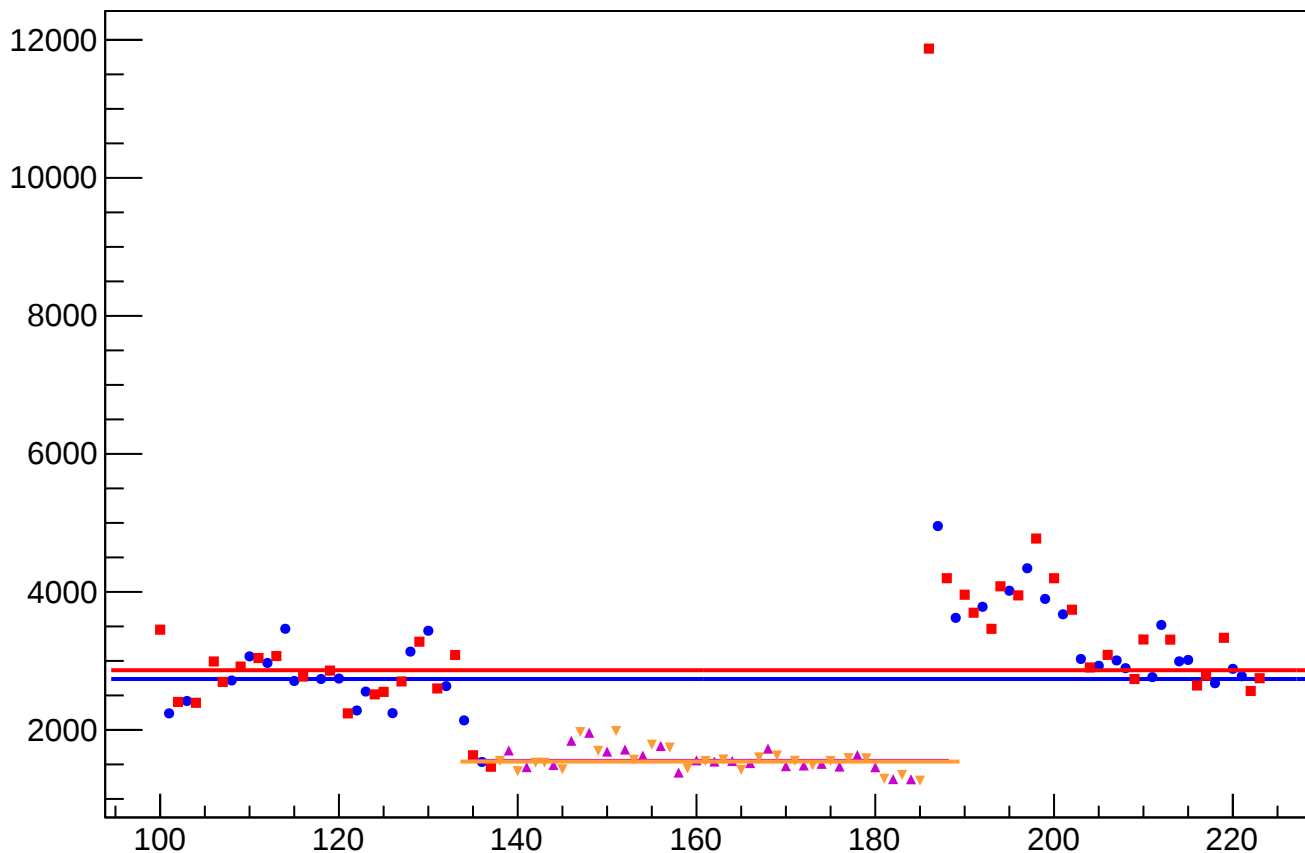
Left In: -40.080 ± 373.261 $\chi^2/\text{NDF}: 33.6/22$

+ sign 1069.513 ± 313.816 $\chi^2/\text{NDF}: 85.7/59$

All: 708.448 ± 225.424 $\chi^2/\text{NDF}: 162.0/121$

- sign 323.512 ± 324.023 $\chi^2/\text{NDF}: 73.5/61$

asym_sam_26_dd_rms vs Slug



Right In: 2737.767+/-0.448 χ^2/NDF : 2299254.3/34

Left Out: 1541.258+/-0.255 χ^2/NDF : 382045.4/24

Right Out: 2865.172+/-0.462 χ^2/NDF : 2681628.7/38

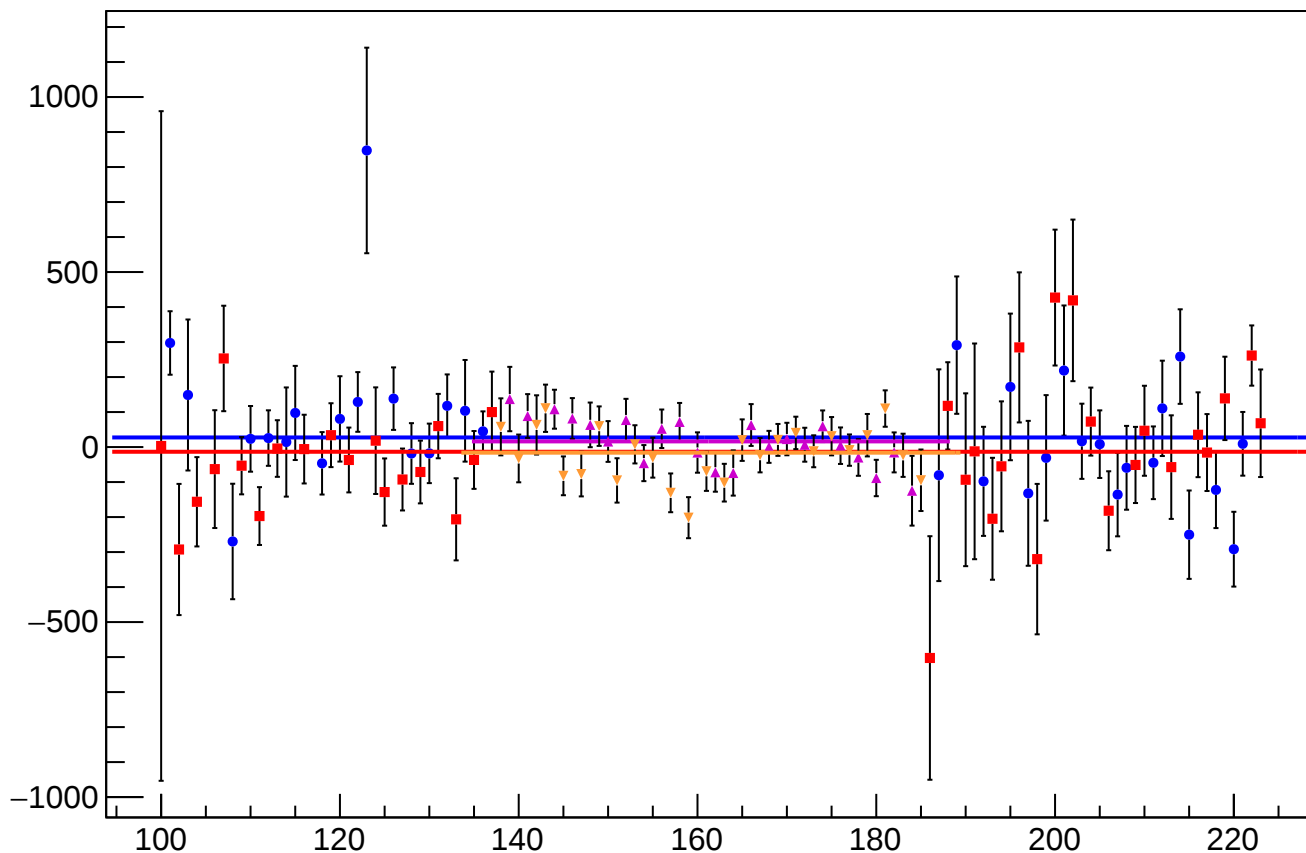
Left In: 1551.063+/-0.264 χ^2/NDF : 338898.9/22

+ sign 1834.457+/-0.222 χ^2/NDF : 8060022.3/59

All: 1854.028+/-0.159 χ^2/NDF : 17205347.4/1

- sign 1874.892+/-0.229 χ^2/NDF : 9129254.6/61

reg_asym_sam_37_dd_mean vs Slug



Right In: 27.433 ± 18.760 $\chi^2/\text{NDF}: 53.0/34$

Left Out: -16.049 ± 11.340 $\chi^2/\text{NDF}: 39.7/24$

Right Out: -13.439 ± 18.898 $\chi^2/\text{NDF}: 53.0/38$

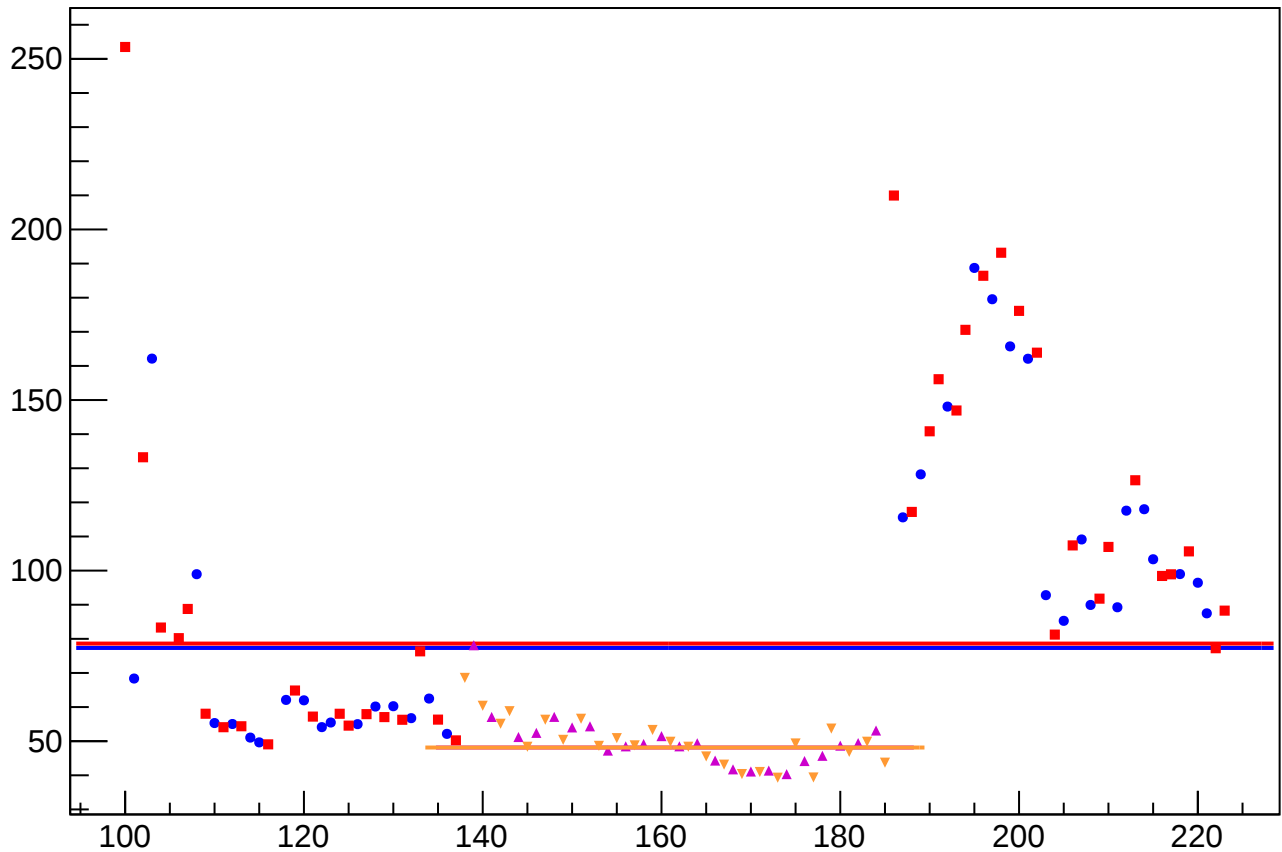
Left In: 16.162 ± 11.649 $\chi^2/\text{NDF}: 25.2/22$

+ sign -4.413 ± 9.705 $\chi^2/\text{NDF}: 96.6/59$

All: 1.665 ± 6.936 $\chi^2/\text{NDF}: 177.5/121$

- sign 8.011 ± 9.917 $\chi^2/\text{NDF}: 80.0/61$

reg_asym_sam_37_dd_rms vs Slug



Right In: 77.327 $\pm$ 0.013 χ^2 /NDF: 5210994.4/34

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 78.612 $\pm$ 0.013 χ^2 /NDF: 5917738.4/38

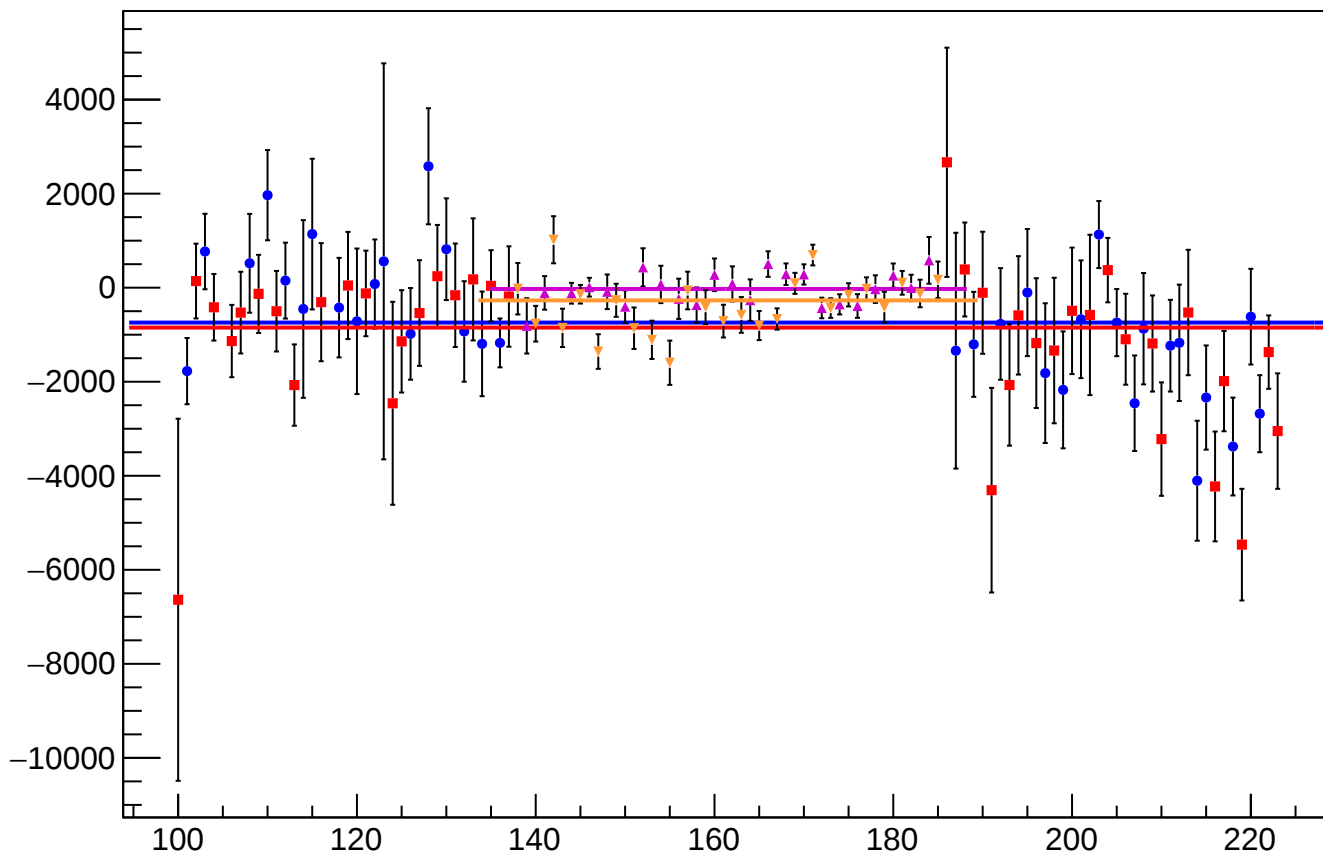
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 55.951 $\pm$ 0.007 χ^2 /NDF: 9411571.3/59

All: 56.234 $\pm$ 0.005 χ^2 /NDF: 19676237.7/121

- sign 56.530 $\pm$ 0.007 χ^2 /NDF: 10261181.1/61

asym_sam_37_dd_correction_mean vs Slug



Right In: -741.876 ± 170.820 $\chi^2/\text{NDF}: 62.5/34$

Left Out: -270.214 ± 60.177 $\chi^2/\text{NDF}: 70.1/24$

Right Out: -848.284 ± 168.490 $\chi^2/\text{NDF}: 56.5/38$

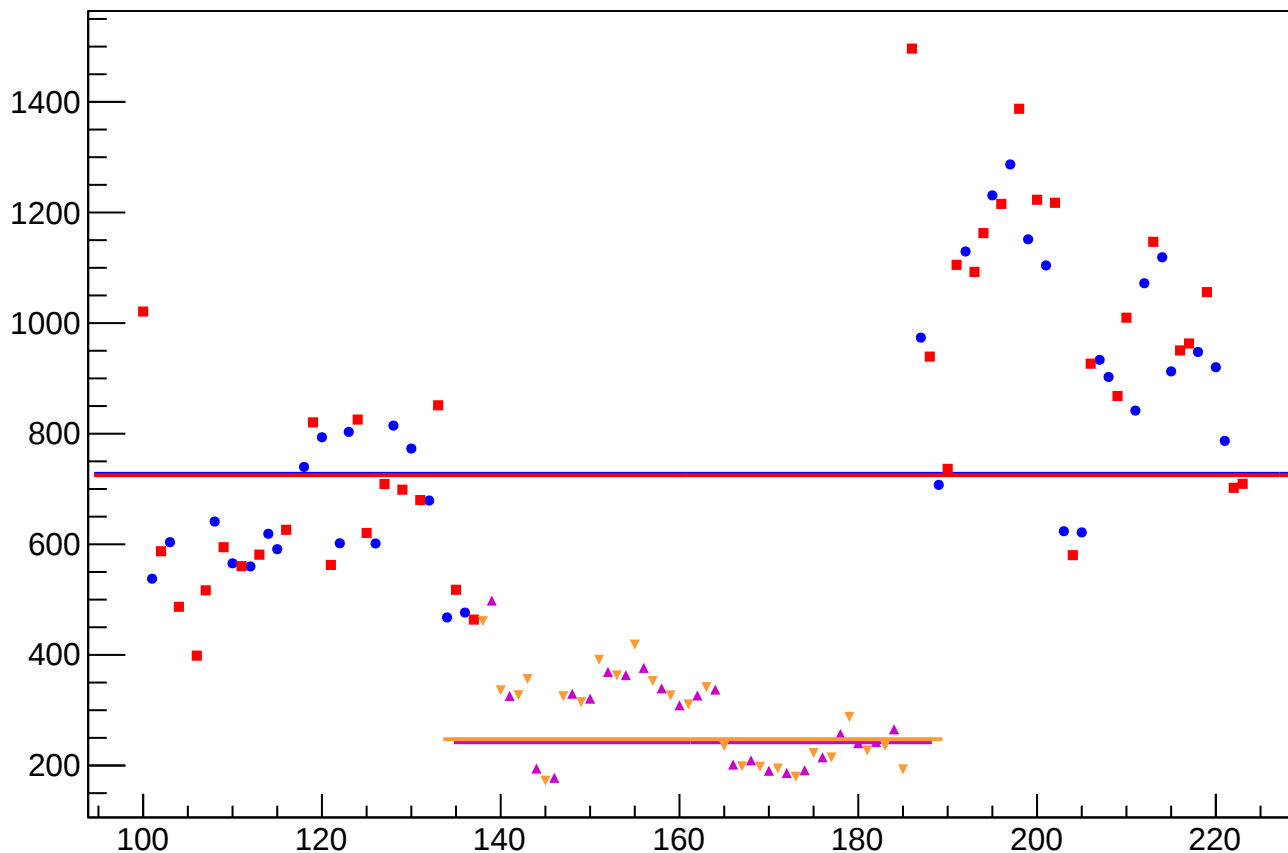
Left In: -27.271 ± 60.430 $\chi^2/\text{NDF}: 25.1/22$

+ sign -322.287 ± 56.758 $\chi^2/\text{NDF}: 139.3/59$

All: -221.786 ± 40.178 $\chi^2/\text{NDF}: 248.2/121$

- sign -120.846 ± 56.882 $\chi^2/\text{NDF}: 102.6/61$

asym_sam_37_dd_correction_rms vs Slug



Right In: 727.370 $\pm$ 0.121 χ^2 /NDF: 3070905.3/34

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF:2780931.0/24

Right Out: 725.123 $\pm$ 0.119 χ^2 /NDF: 4032776.5/38

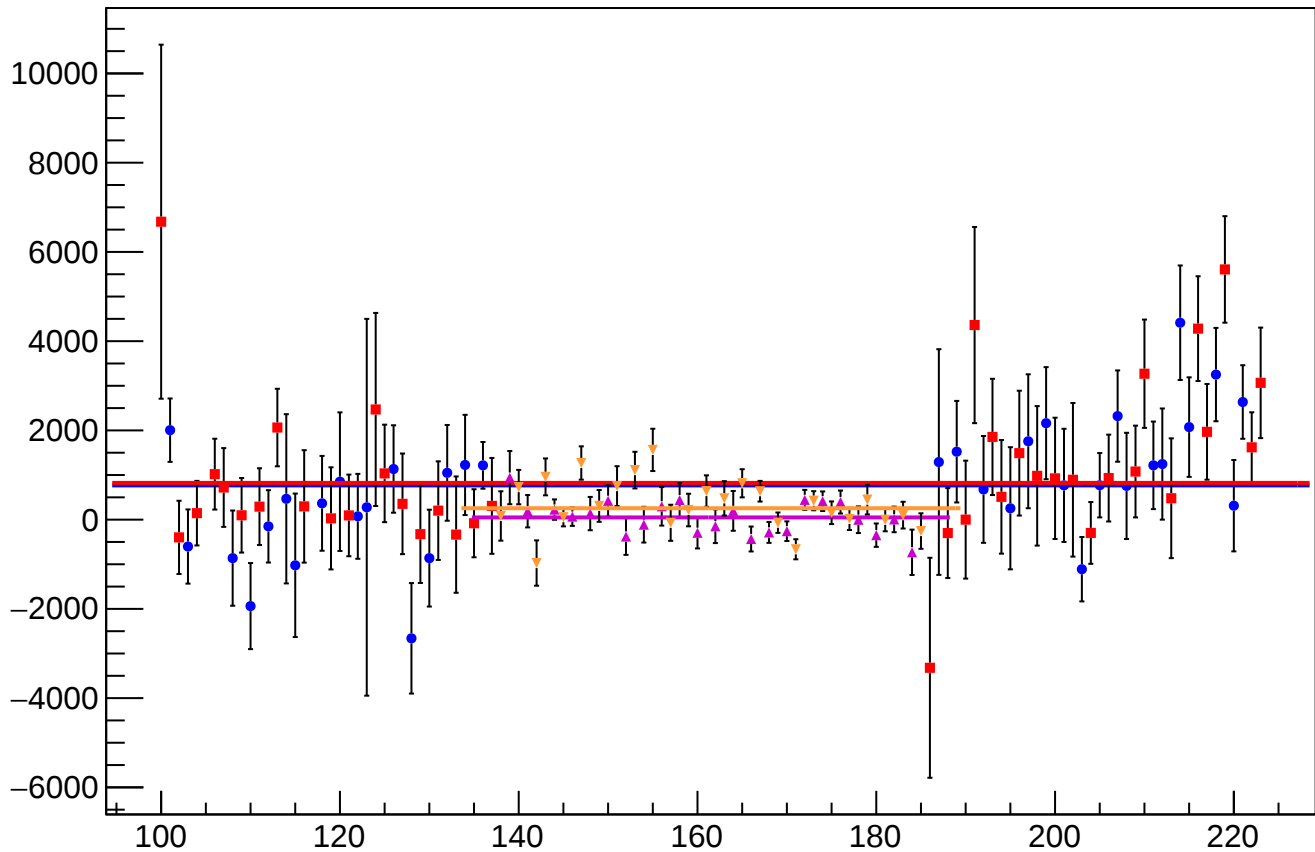
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF:2466108.9/22

+ sign 300.542 $\pm$ 0.040 χ^2 /NDF: 19888564.5/59

All: 298.858 $\pm$ 0.028 χ^2 /NDF: 40953449.0/12

- sign 297.167 $\pm$ 0.040 χ^2 /NDF: 21061356.9/61

asym_sam_37_dd_mean vs Slug



Right In: 767.771 ± 172.298 χ^2/NDF : 62.4/34

Left Out: 255.995 ± 61.418 χ^2/NDF : 63.6/24

Right Out: 823.607 ± 170.206 χ^2/NDF : 59.4/38

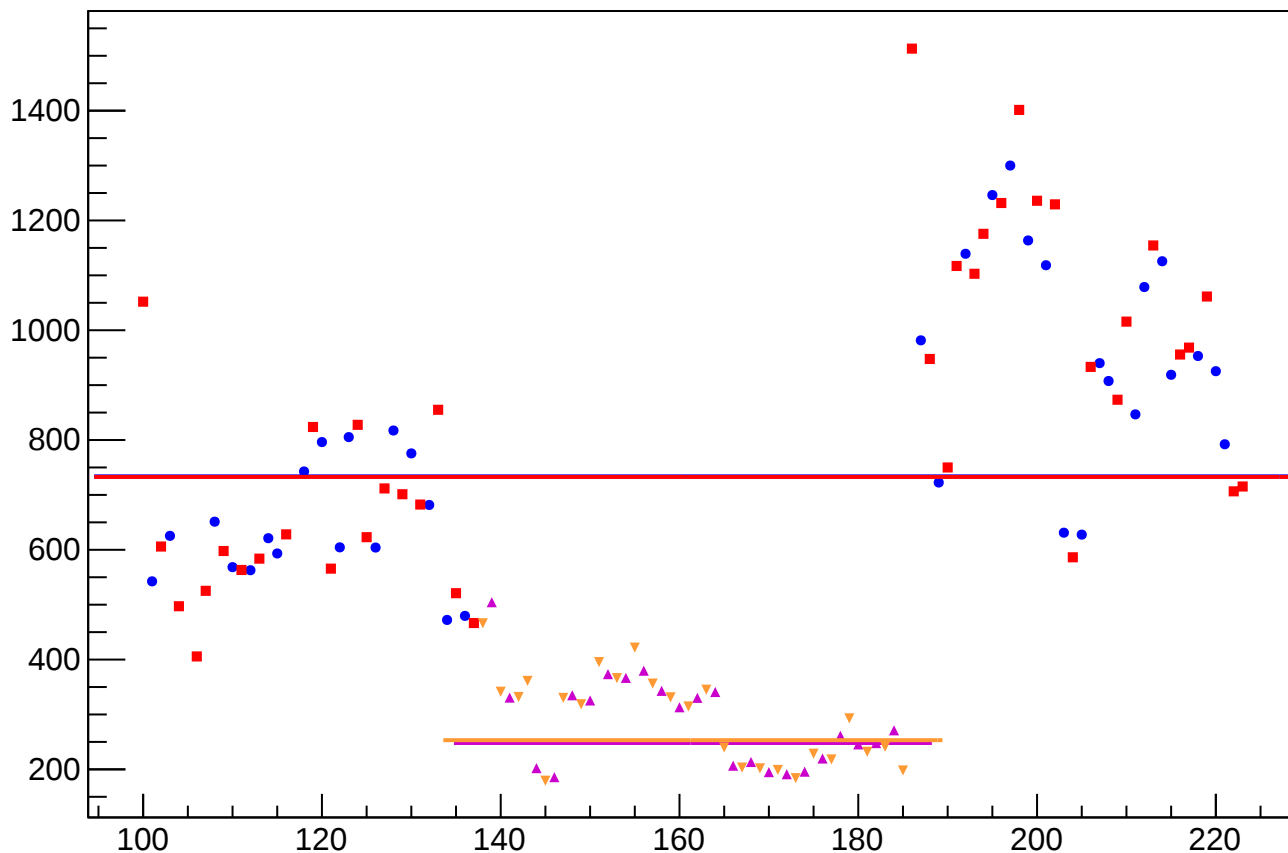
Left In: 49.832 ± 61.781 χ^2/NDF : 27.5/22

+ sign 313.694 ± 57.853 χ^2/NDF : 133.8/59

All: 227.134 ± 40.986 χ^2/NDF : 243.5/121

- sign 139.911 ± 58.074 χ^2/NDF : 105.2/61

asym_sam_37_dd_rms vs Slug



Right In: 733.789 $\pm$ 0.122 χ^2 /NDF: 3063171.2/34

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 732.787 $\pm$ 0.120 χ^2 /NDF: 3987511.1/38

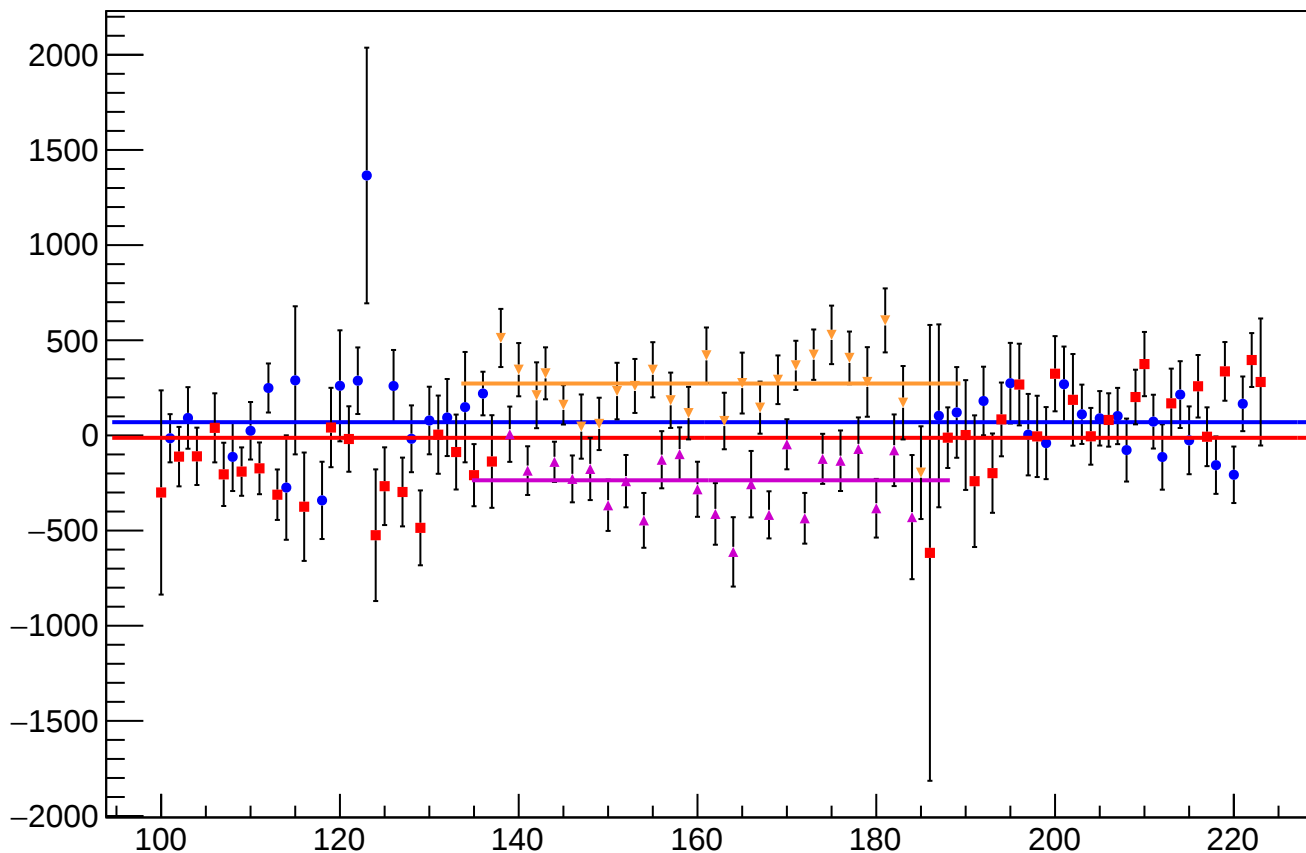
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 307.327 $\pm$ 0.041 χ^2 /NDF: 19538747.4/59

All: 305.917 $\pm$ 0.029 χ^2 /NDF: 40203913.5/12

- sign 304.497 $\pm$ 0.041 χ^2 /NDF: 20662782.9/61

reg_asym_sam_48_dd_mean vs Slug



Right In: 69.543 ± 29.627 $\chi^2/\text{NDF}: 30.3/34$

Left Out: 272.684 ± 29.221 $\chi^2/\text{NDF}: 27.4/24$

Right Out: -12.657 ± 29.165 $\chi^2/\text{NDF}: 59.4/38$

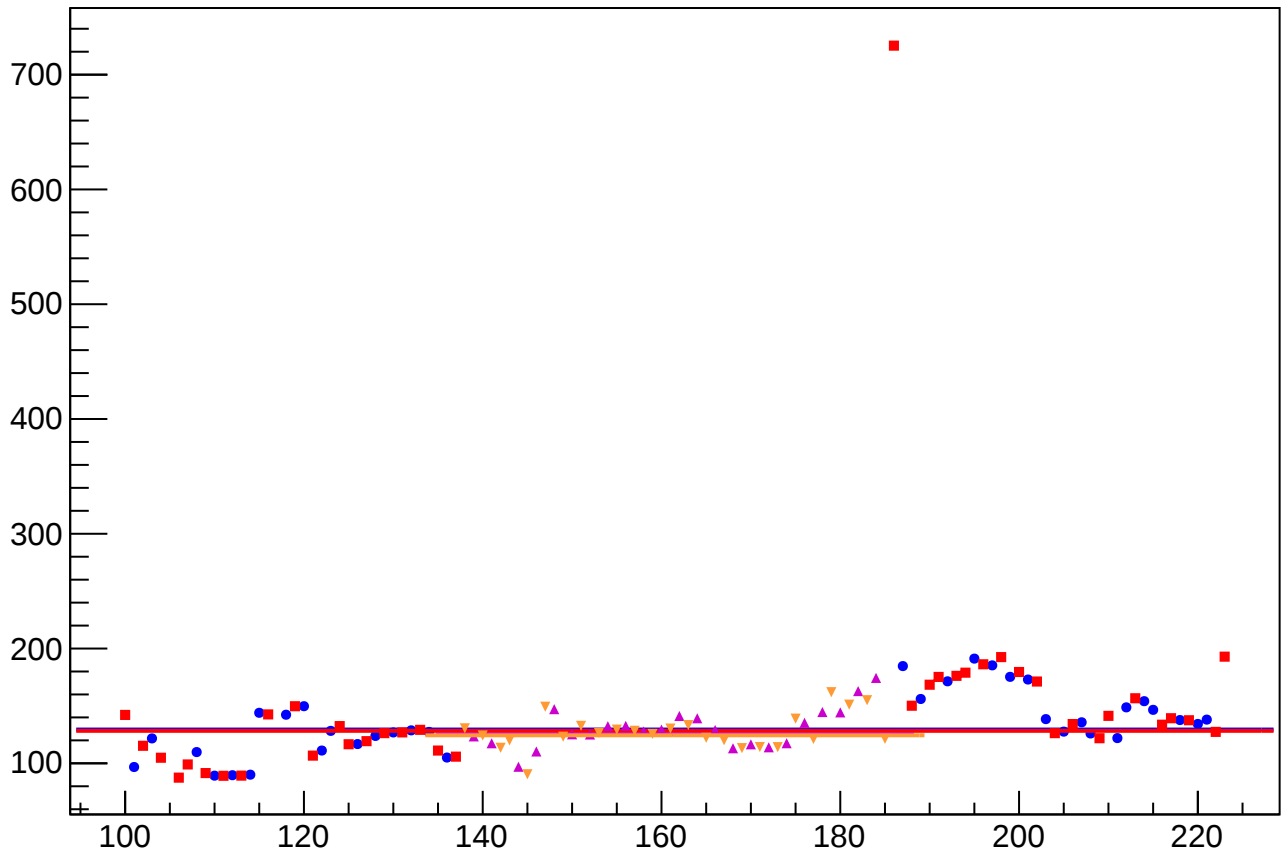
Left In: -235.801 ± 30.232 $\chi^2/\text{NDF}: 24.6/22$

+ sign 172.515 ± 20.805 $\chi^2/\text{NDF}: 81.5/59$

All: 27.443 ± 14.776 $\chi^2/\text{NDF}: 291.9/121$

- sign -120.222 ± 20.990 $\chi^2/\text{NDF}: 112.2/61$

reg_asym_sam_48_dd_rms vs Slug



Right In: 129.418 $\pm$ 0.021 χ^2 /NDF: 1476517.5/34

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 128.320 $\pm$ 0.021 χ^2 /NDF: 2383471.6/38

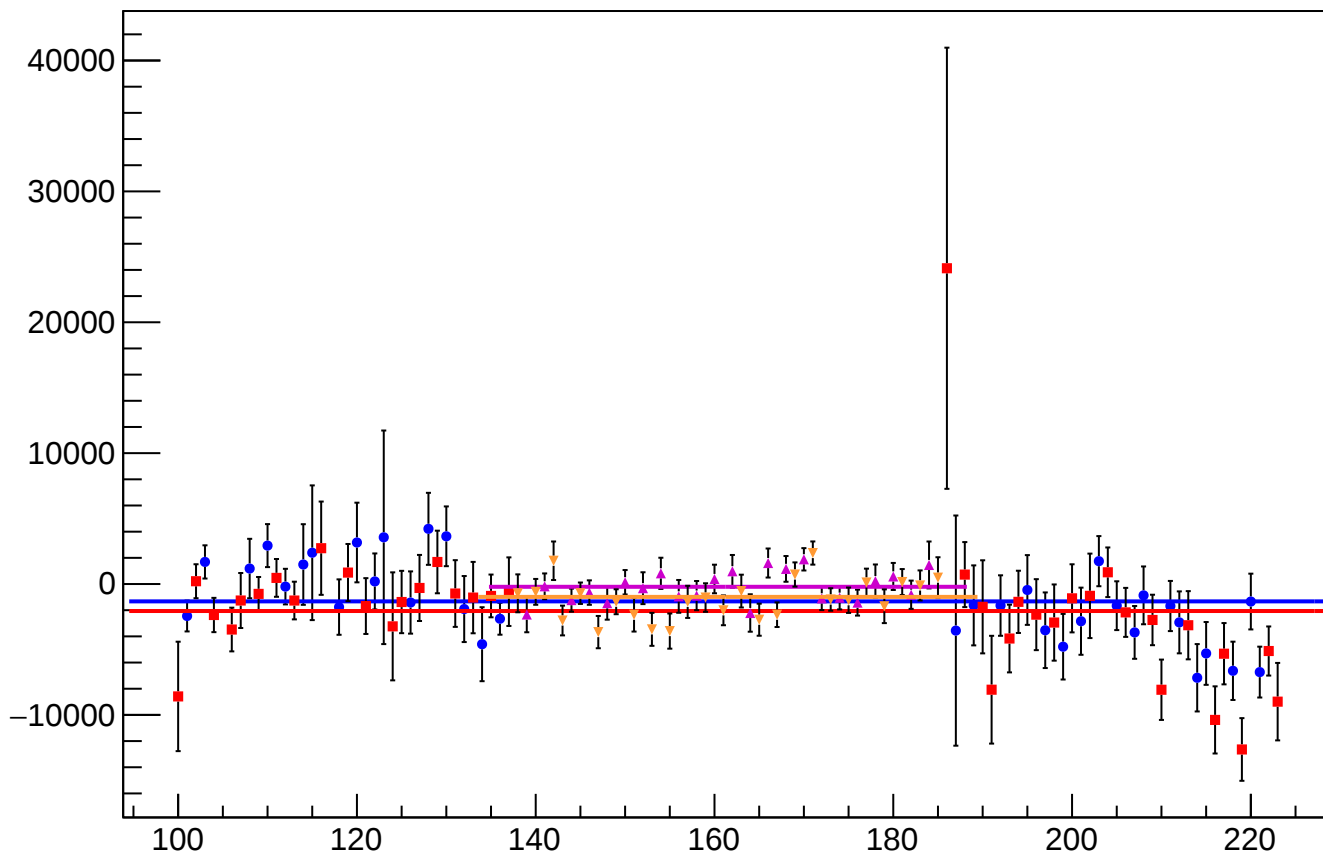
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 126.889 $\pm$ 0.015 χ^2 /NDF: 2045004.4/59

All: 126.854 $\pm$ 0.010 χ^2 /NDF: 4940875.2/123

- sign 126.819 $\pm$ 0.015 χ^2 /NDF: 2895859.4/61

asym_sam_48_dd_correction_mean vs Slug



Right In: -1325.739 ± 354.380 χ^2/NDF : 59.9/34

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -2062.305 ± 343.652 χ^2/NDF : 75.4/38

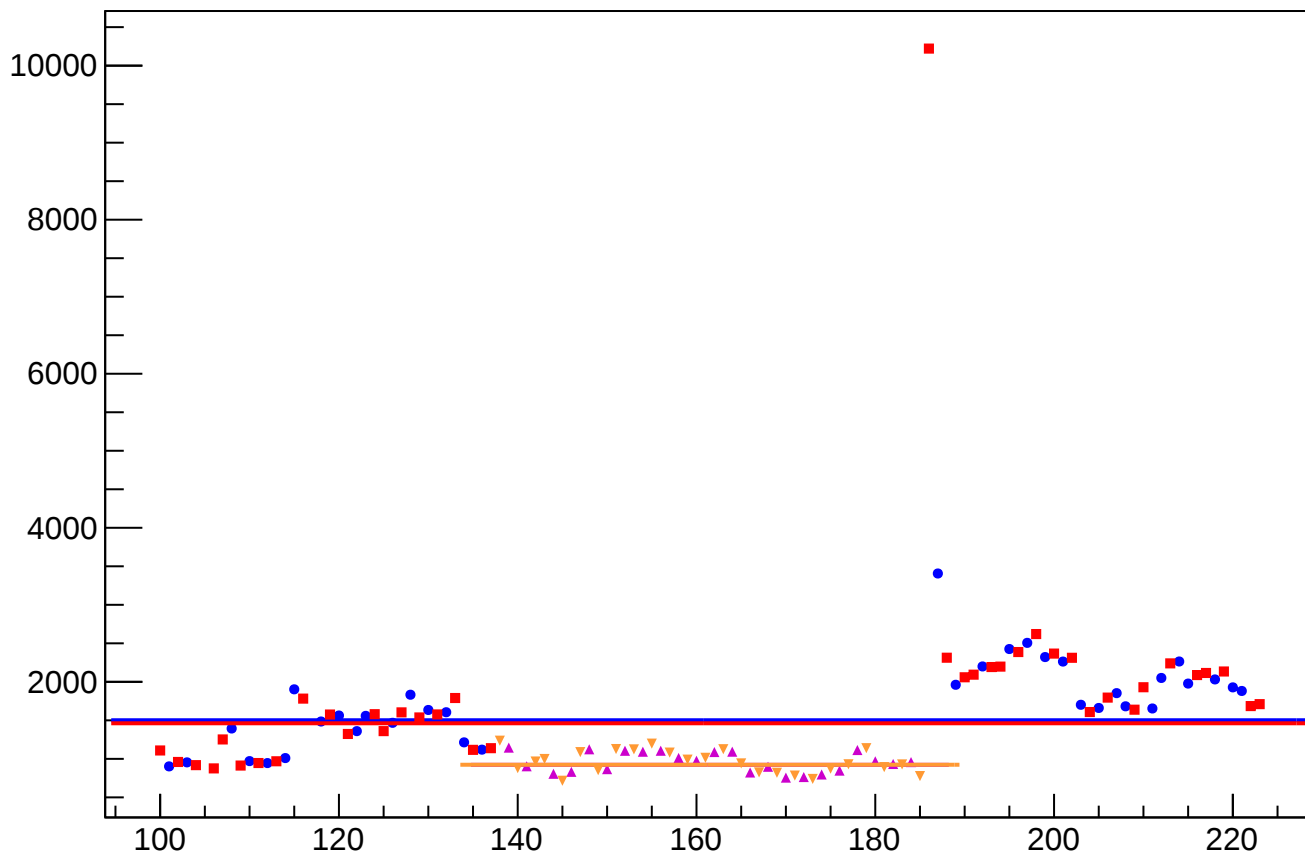
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -1076.989 ± 185.693 χ^2/NDF : 107.8/59

All: -920.250 ± 131.849 χ^2/NDF : 230.7/121

- sign -760.888 ± 187.241 χ^2/NDF : 121.5/61

asym_sam_48_dd_correction_rms vs Slug



Right In: 1501.296+/-0.251 χ^2/NDF : 3715496.3/34

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

Right Out: 1461.939+/-0.243 χ^2/NDF : 4959284.7/38

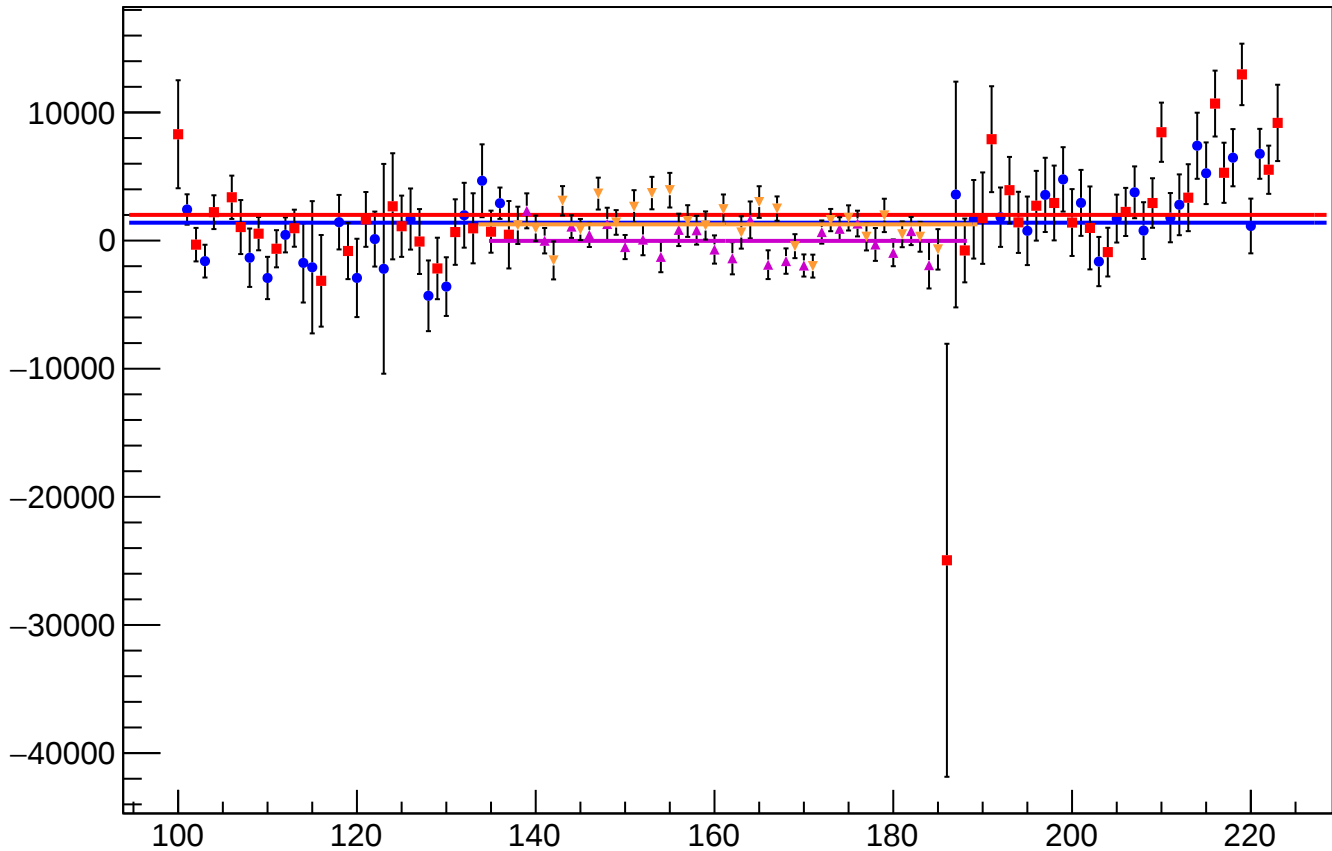
Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

+ sign 1082.208+/-0.131 χ^2/NDF : 8413982.9/59

All: 1082.335+/-0.093 χ^2/NDF : 17476348.8/100

- sign 1082.463+/-0.132 χ^2/NDF : 9062364.0/61

asym_sam_48_dd_mean vs Slug



Right In: 1395.509 ± 355.821 χ^2/NDF : 59.0/34

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 2005.149 ± 345.204 χ^2/NDF : 81.4/38

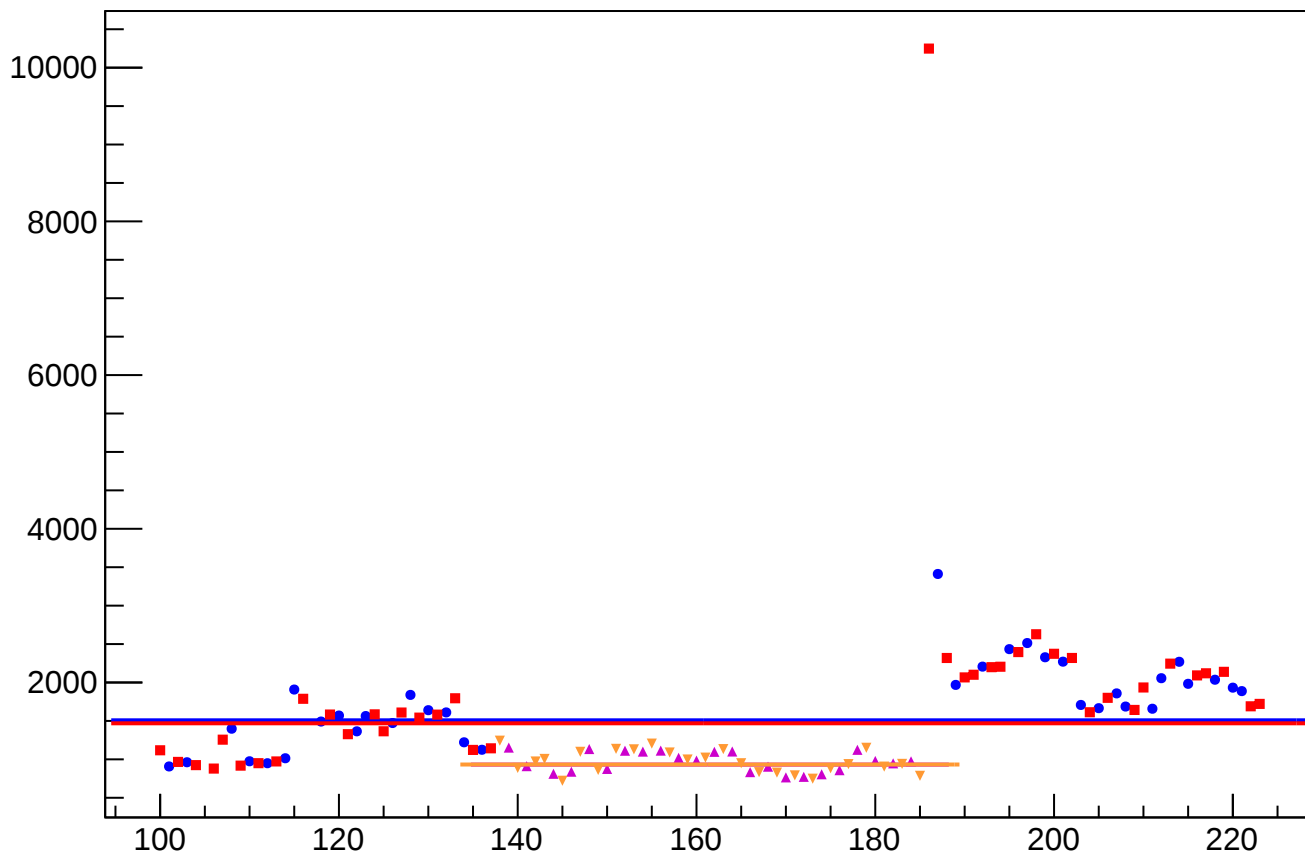
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1302.820 ± 187.204 χ^2/NDF : 104.0/59

All: 946.048 ± 132.928 χ^2/NDF : 244.1/121

- sign 583.230 ± 188.784 χ^2/NDF : 132.8/61

asym_sam_48_dd_rms vs Slug



Right In: 1507.986 $\pm$ 0.252 χ^2 /NDF: 3689315.0/34

Left Out: 932.764 $\pm$ 0.156 χ^2 /NDF: 829798.4/24

Right Out: 1469.050 $\pm$ 0.244 χ^2 /NDF: 4926964.8/38

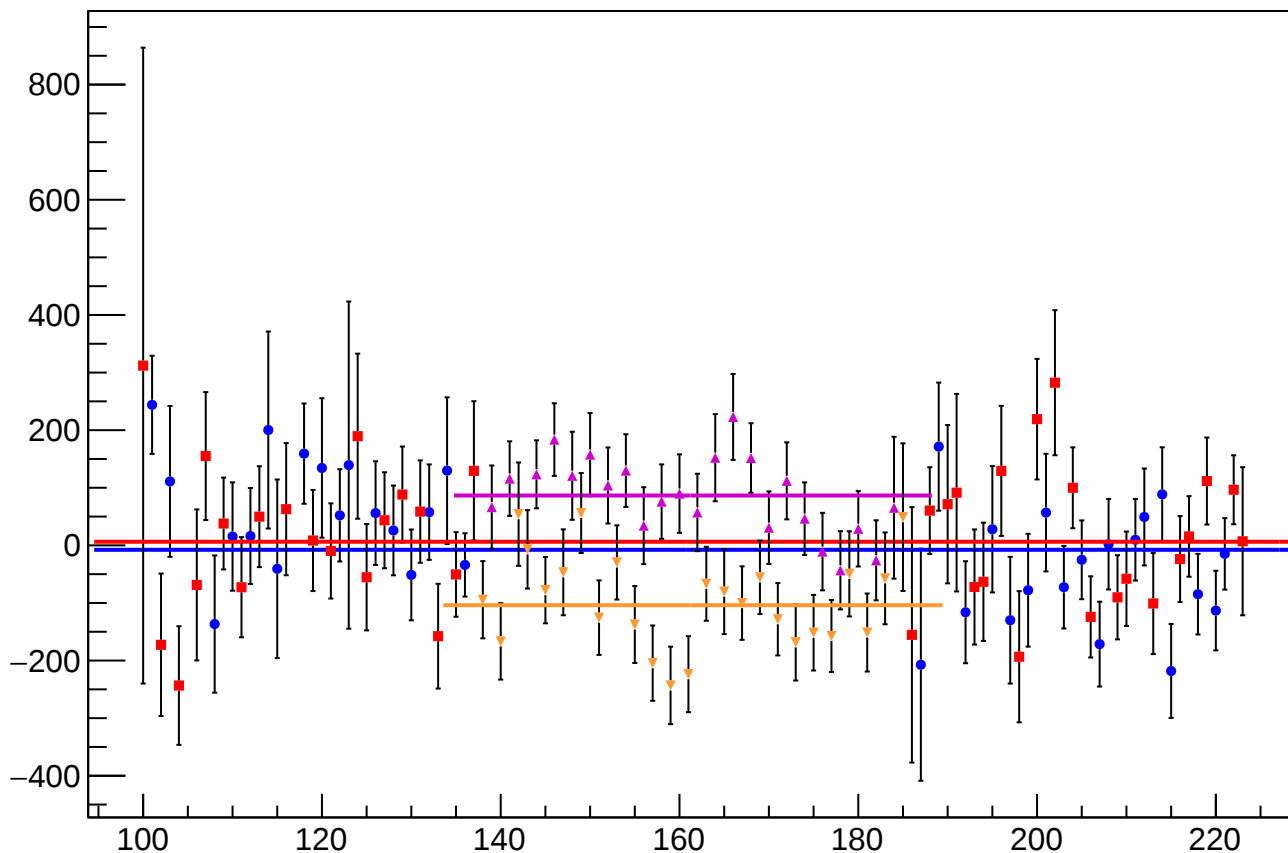
Left In: 931.493 $\pm$ 0.159 χ^2 /NDF: 624436.4/22

+ sign 1091.986 $\pm$ 0.132 χ^2 /NDF: 8299161.5/59

All: 1092.122 $\pm$ 0.094 χ^2 /NDF: 17249954.7/1

- sign 1092.261 $\pm$ 0.133 χ^2 /NDF: 8950791.1/61

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -7.703 ± 14.706 χ^2/NDF : 46.6/34

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: 6.301 ± 14.764 χ^2/NDF : 49.6/38

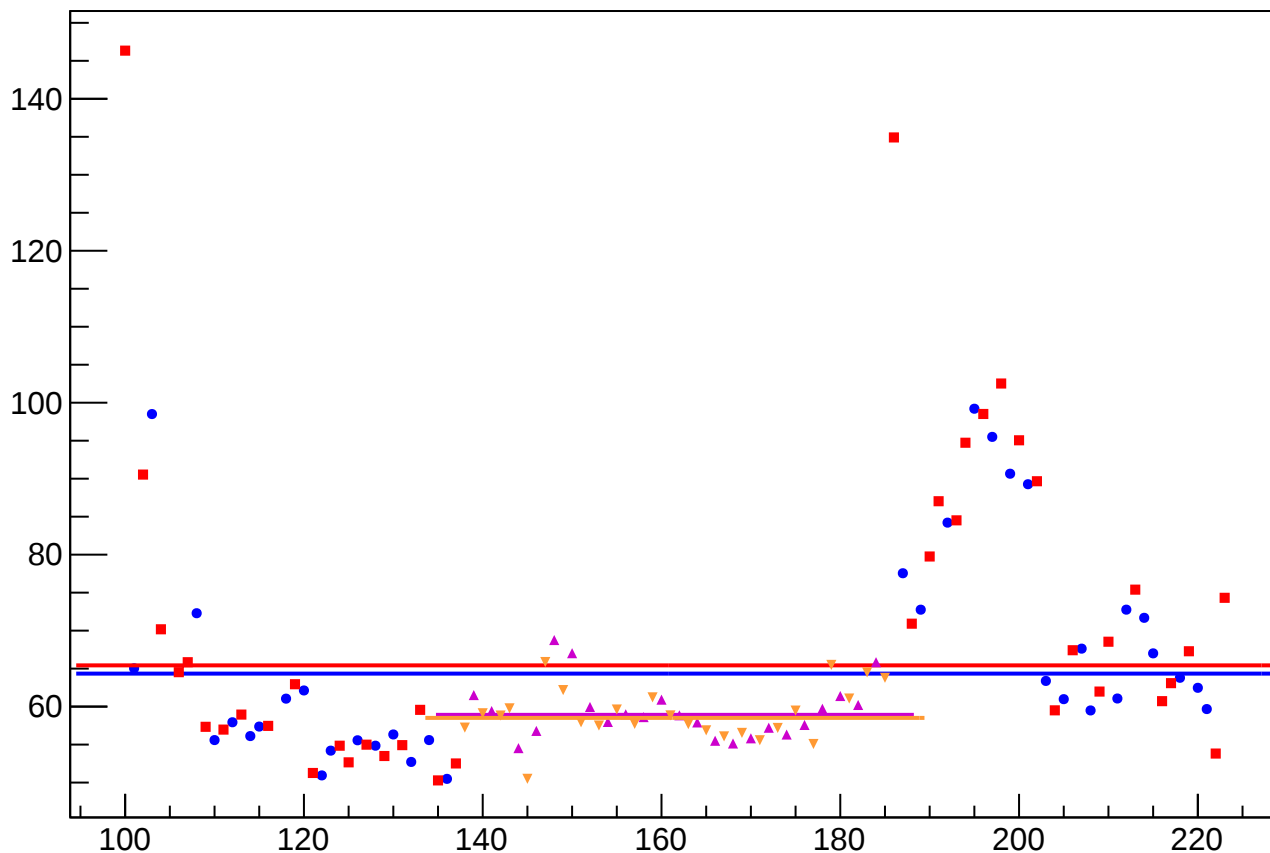
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -59.405 ± 10.001 χ^2/NDF : 99.6/59

All: -6.679 ± 7.143 χ^2/NDF : 242.7/121

- sign 48.209 ± 10.204 χ^2/NDF : 86.4/61

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.342 $\pm$ 0.010 χ^2 /NDF: 1309380.7/34

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 65.427 $\pm$ 0.010 χ^2 /NDF: 1776023.6/38

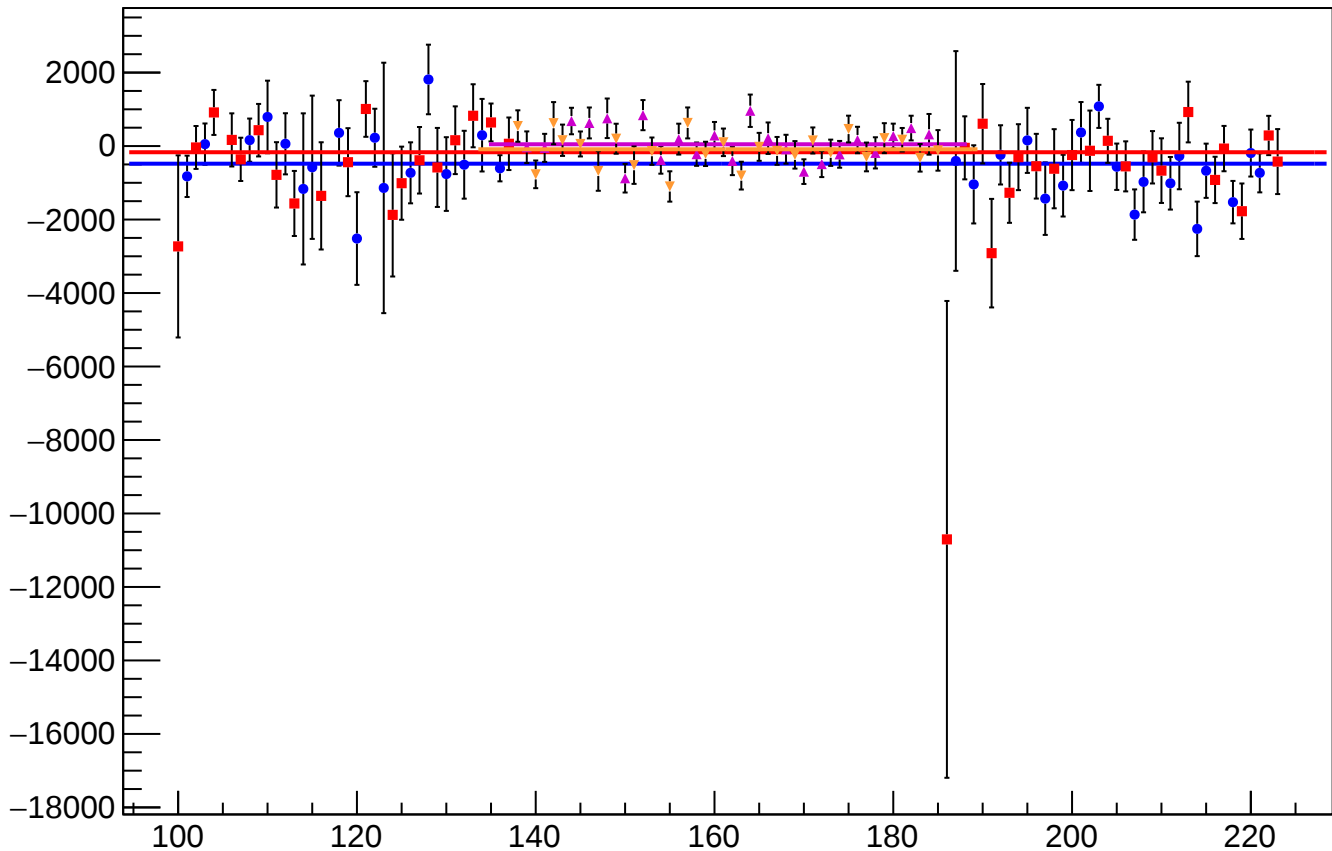
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 61.209 $\pm$ 0.007 χ^2 /NDF: 1601491.4/59

All: 61.609 $\pm$ 0.005 χ^2 /NDF: 3697347.3/121

- sign 62.025 $\pm$ 0.007 χ^2 /NDF: 2089330.0/61

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -479.938 ± 127.068 χ^2/NDF : 40.8/34

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -168.127 ± 128.044 χ^2/NDF : 35.7/38

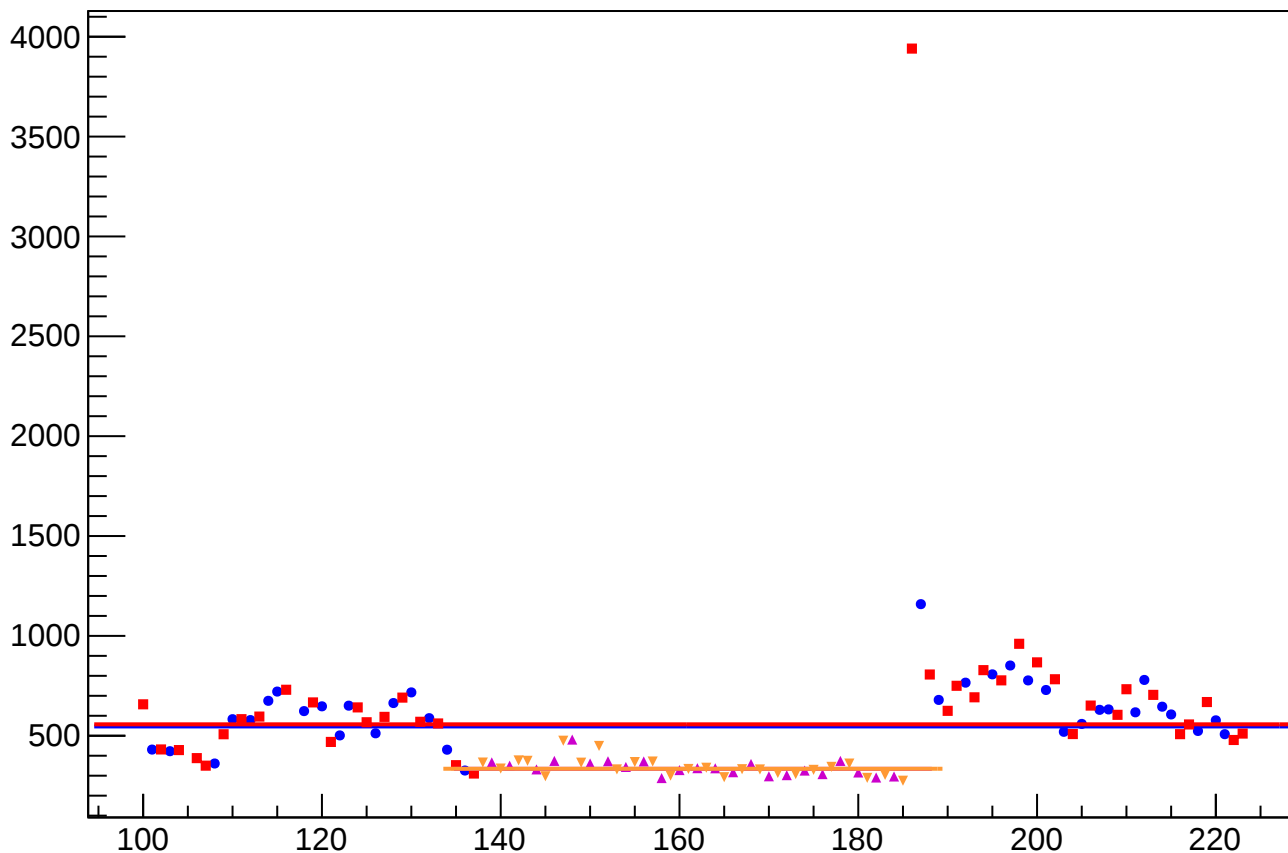
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -195.986 ± 66.818 χ^2/NDF : 75.4/59

All: -106.213 ± 47.722 χ^2/NDF : 152.2/121

- sign -12.746 ± 68.179 χ^2/NDF : 73.1/61

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 546.597 $\pm$ 0.090 χ^2 /NDF: 2488087.9/34

Left Out: 334.749 $\pm$ 0.056 χ^2 /NDF: 491370.4/24

Right Out: 557.190 $\pm$ 0.091 χ^2 /NDF: 3234442.1/38

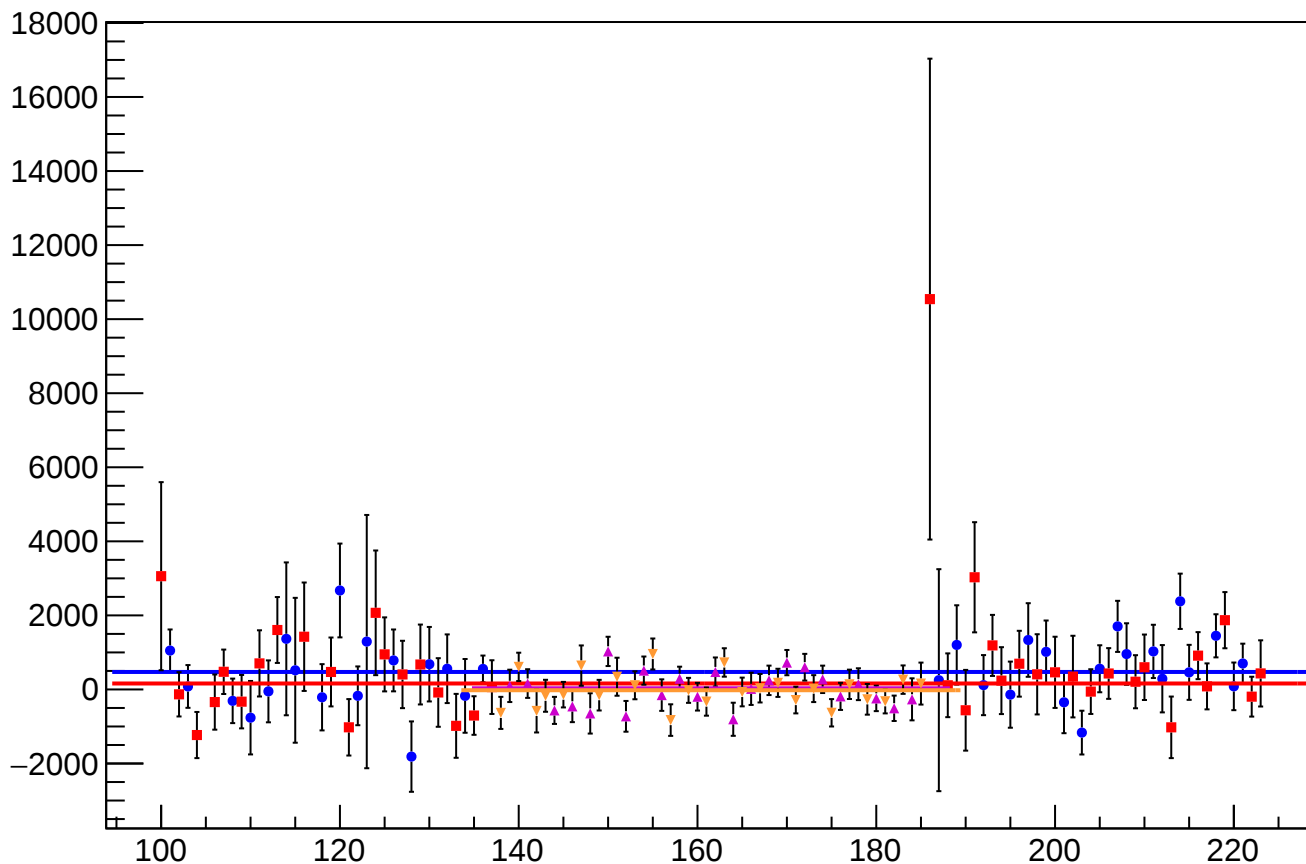
Left In: 334.147 $\pm$ 0.057 χ^2 /NDF: 397200.6/22

+ sign 393.328 $\pm$ 0.047 χ^2 /NDF: 7001422.6/59

All: 395.316 $\pm$ 0.034 χ^2 /NDF: 14984721.9/12

- sign 397.385 $\pm$ 0.048 χ^2 /NDF: 7979687.9/61

asym_sam_13_57_dd_mean vs Slug



Right In: 472.360 ± 128.219 χ^2/NDF : 41.1/34

Left Out: -20.895 ± 79.812 χ^2/NDF : 27.2/24

Right Out: 160.881 ± 129.250 χ^2/NDF : 39.2/38

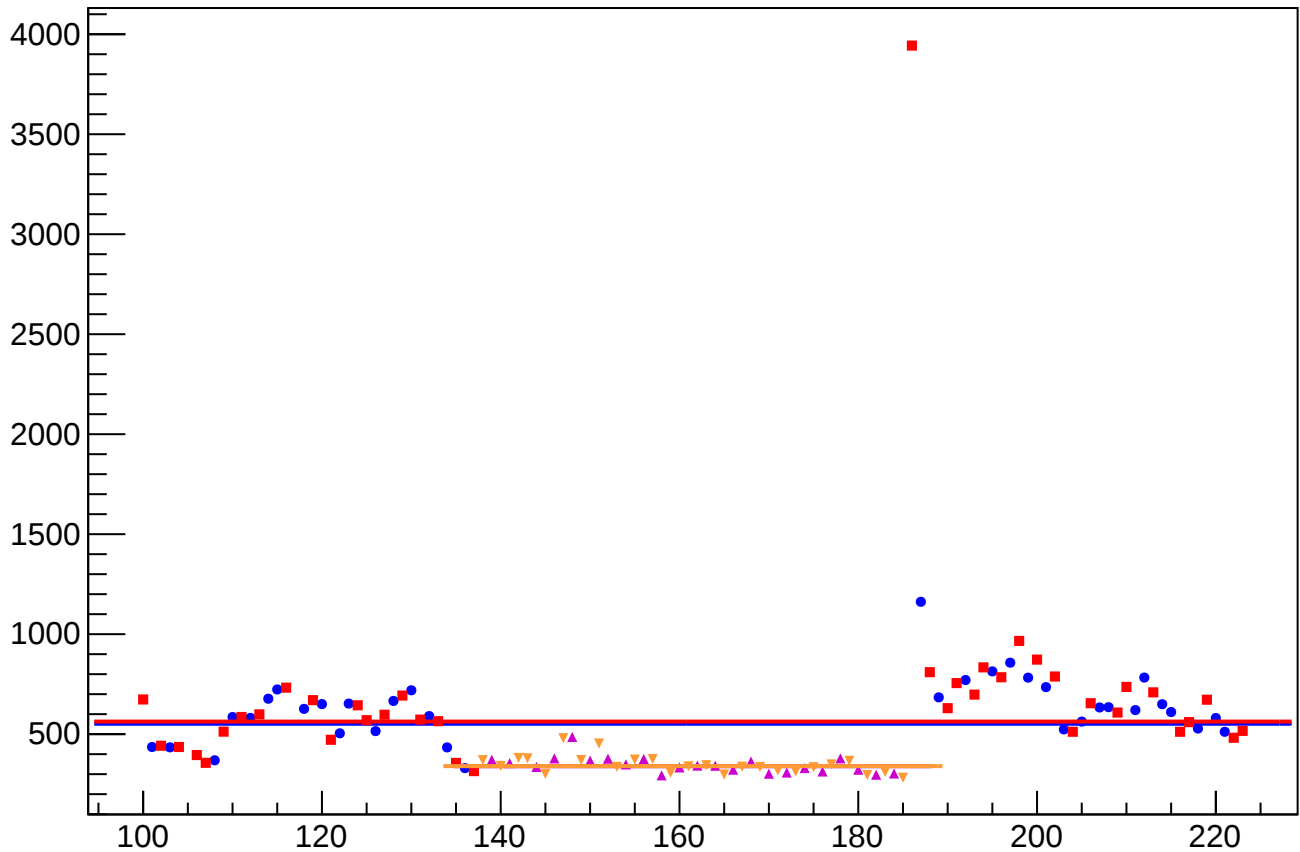
Left In: 31.800 ± 81.839 χ^2/NDF : 34.0/22

+ sign 116.852 ± 67.757 χ^2/NDF : 79.0/59

All: 93.284 ± 48.395 χ^2/NDF : 153.2/121

- sign 68.741 ± 69.144 χ^2/NDF : 74.0/61

asym_sam_13_57_dd_rms vs Slug



Right In: 552.100 $\pm$ 0.091 χ^2 /NDF: 2419812.9/34

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 562.920 $\pm$ 0.091 χ^2 /NDF: 3164536.7/38

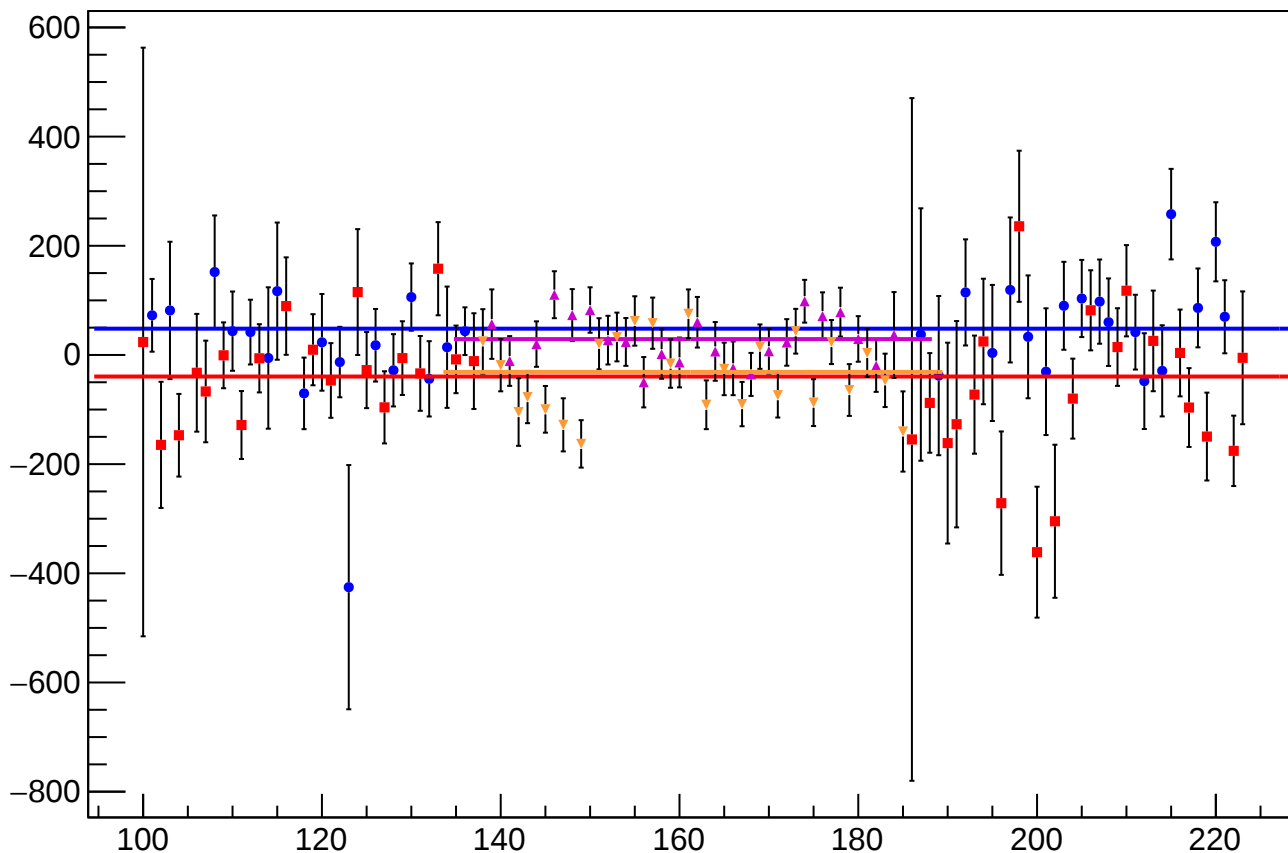
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 399.403 $\pm$ 0.048 χ^2 /NDF: 6824312.1/59

All: 401.423 $\pm$ 0.034 χ^2 /NDF: 14633414.2/12

- sign 403.526 $\pm$ 0.049 χ^2 /NDF: 7805474.0/61

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 48.169 $\pm$ 13.494 χ^2 /NDF: 31.4/34

Left Out: -31.063 $\pm$ 9.170 χ^2 /NDF: 52.6/24

Right Out: -39.487 $\pm$ 13.479 χ^2 /NDF: 51.4/38

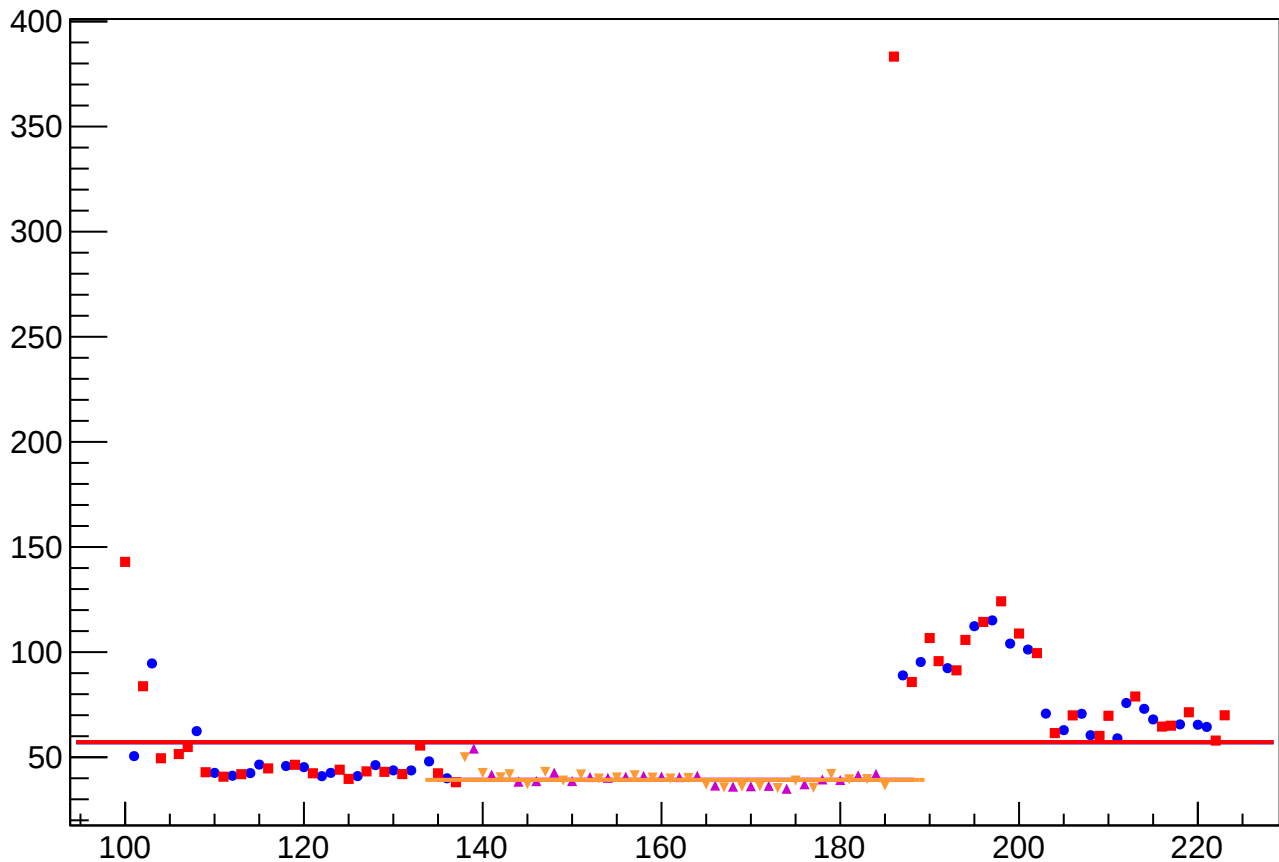
Left In: 29.055 $\pm$ 9.449 χ^2 /NDF: 22.4/22

+ sign -6.035 $\pm$ 7.584 χ^2 /NDF: 107.6/59

All: 0.092 $\pm$ 5.416 χ^2 /NDF: 200.1/121

- sign 6.469 $\pm$ 7.737 χ^2 /NDF: 91.2/61

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 57.049 $\pm$ 0.010 χ^2 /NDF: 3617521.4/34

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 57.207 $\pm$ 0.010 χ^2 /NDF: 4657442.8/38

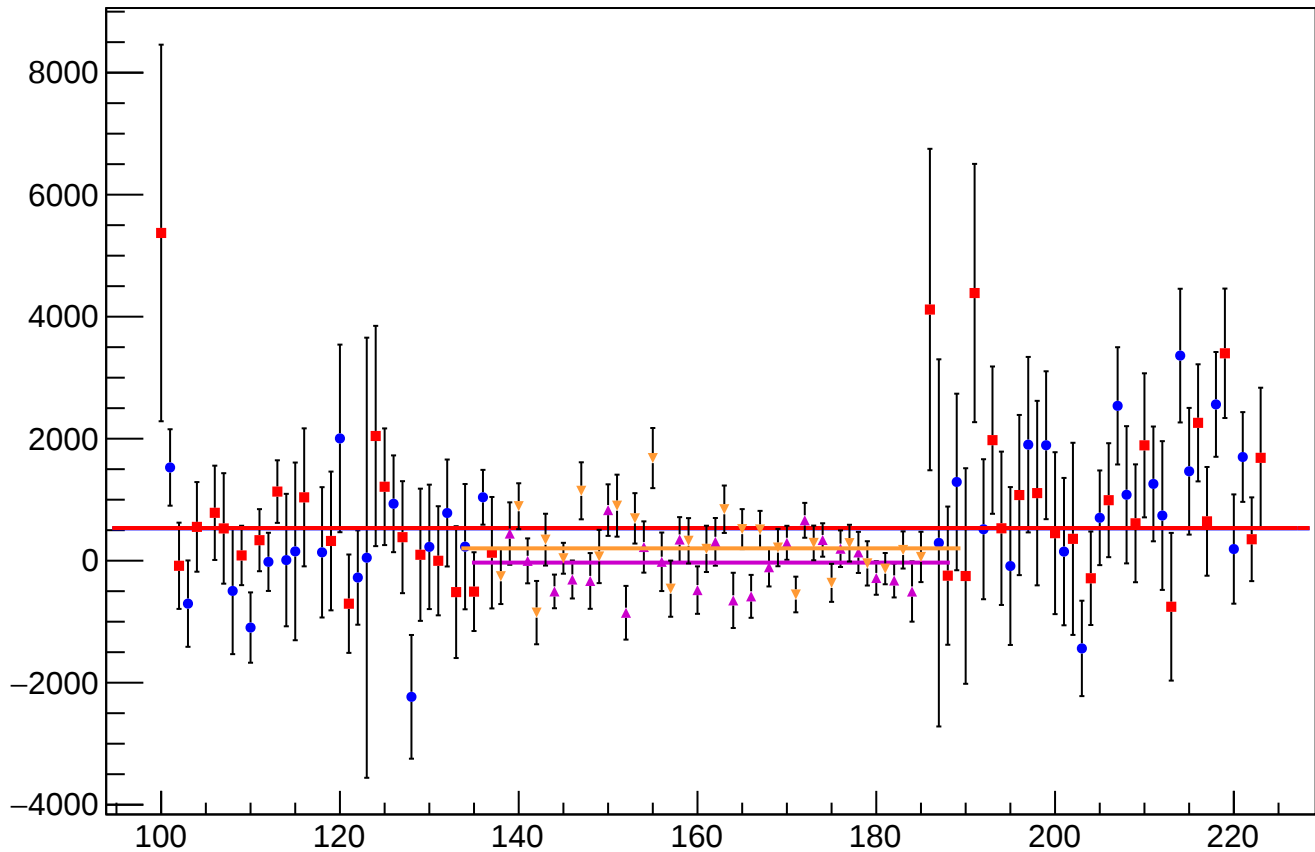
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 44.862 $\pm$ 0.005 χ^2 /NDF: 6203873.6/59

All: 45.041 $\pm$ 0.004 χ^2 /NDF: 13435878.6/12

- sign 45.226 $\pm$ 0.005 χ^2 /NDF: 7229745.1/61

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 529.304 ± 149.143 χ^2/NDF : 57.7/34

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 535.570 ± 145.593 χ^2/NDF : 36.8/38

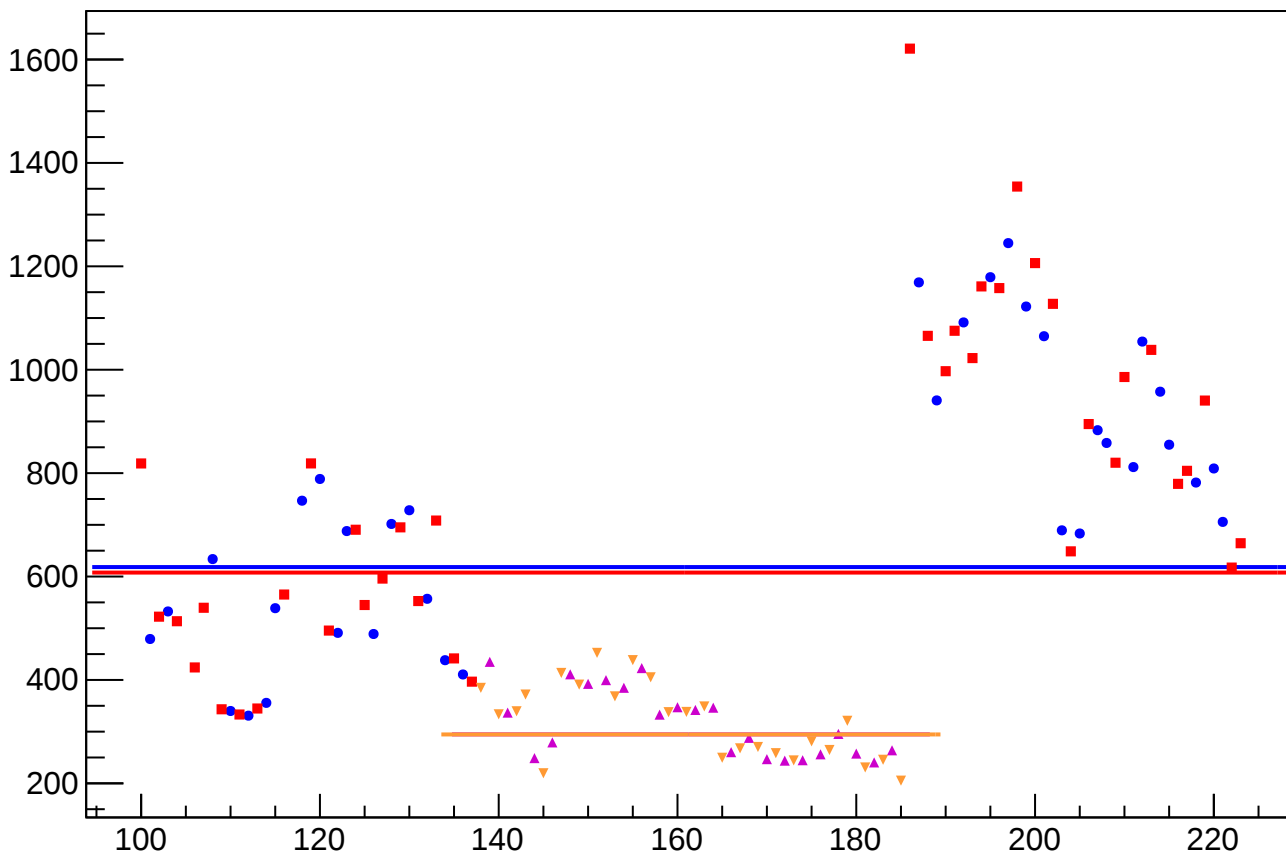
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 261.977 ± 63.683 χ^2/NDF : 106.4/59

All: 172.375 ± 45.355 χ^2/NDF : 192.8/121

- sign 80.140 ± 64.611 χ^2/NDF : 82.4/61

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 618.316 $\pm$ 0.105 χ^2 /NDF: 5122911.5/34

Left Out: 294.591 $\pm$ 0.050 χ^2 /NDF: 1680474.5/24

Right Out: 607.669 $\pm$ 0.103 χ^2 /NDF: 6311658.6/38

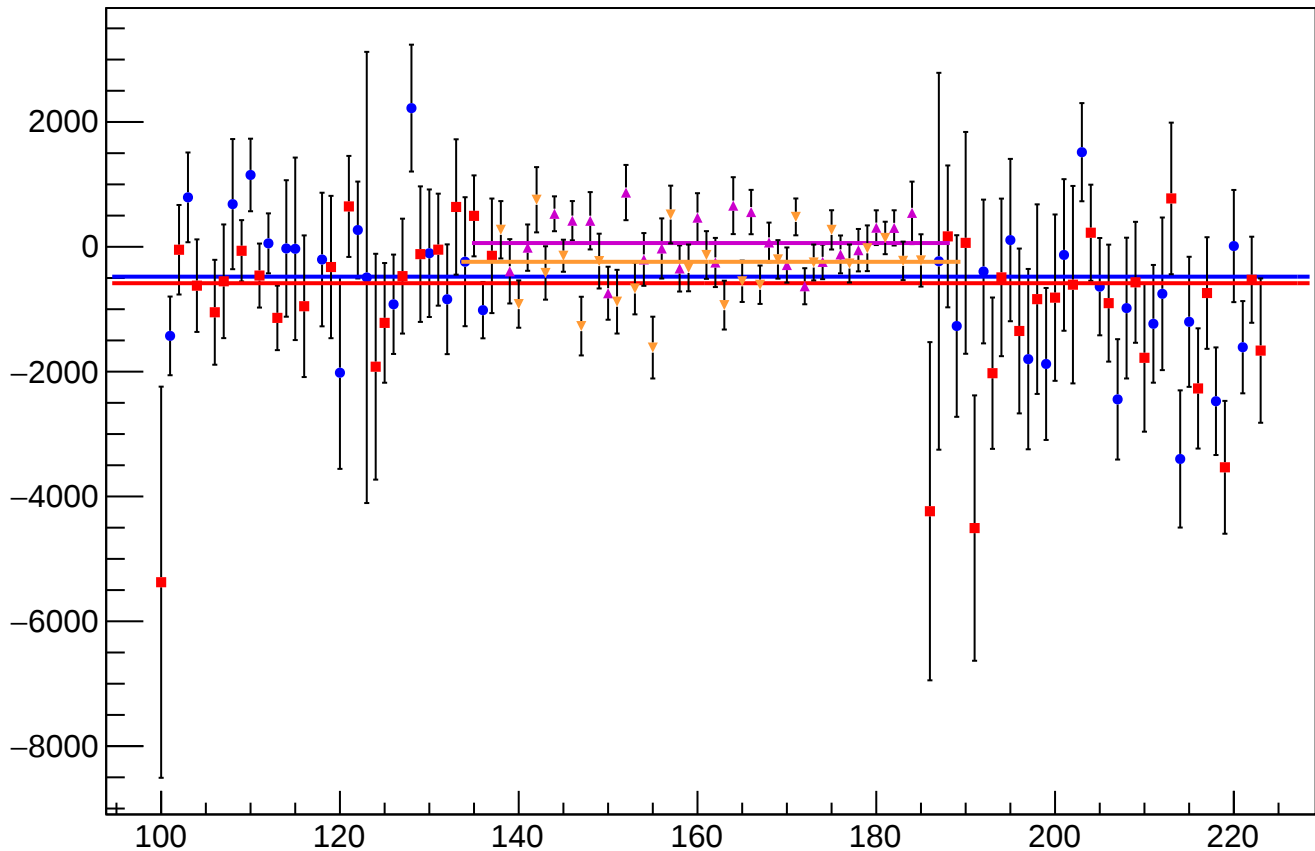
Left In: 294.722 $\pm$ 0.051 χ^2 /NDF: 1297310.3/22

+ sign 353.614 $\pm$ 0.045 χ^2 /NDF: 14508137.8/59

All: 354.964 $\pm$ 0.032 χ^2 /NDF: 29539490.6/12

- sign 356.354 $\pm$ 0.046 χ^2 /NDF: 15029528.4/61

asym_sam_15_37_dd_mean vs Slug



Right In: -478.390 ± 149.943 $\chi^2/\text{NDF}: 56.9/34$

Left Out: -240.357 ± 71.100 $\chi^2/\text{NDF}: 42.9/24$

Right Out: -583.277 ± 146.803 $\chi^2/\text{NDF}: 36.6/38$

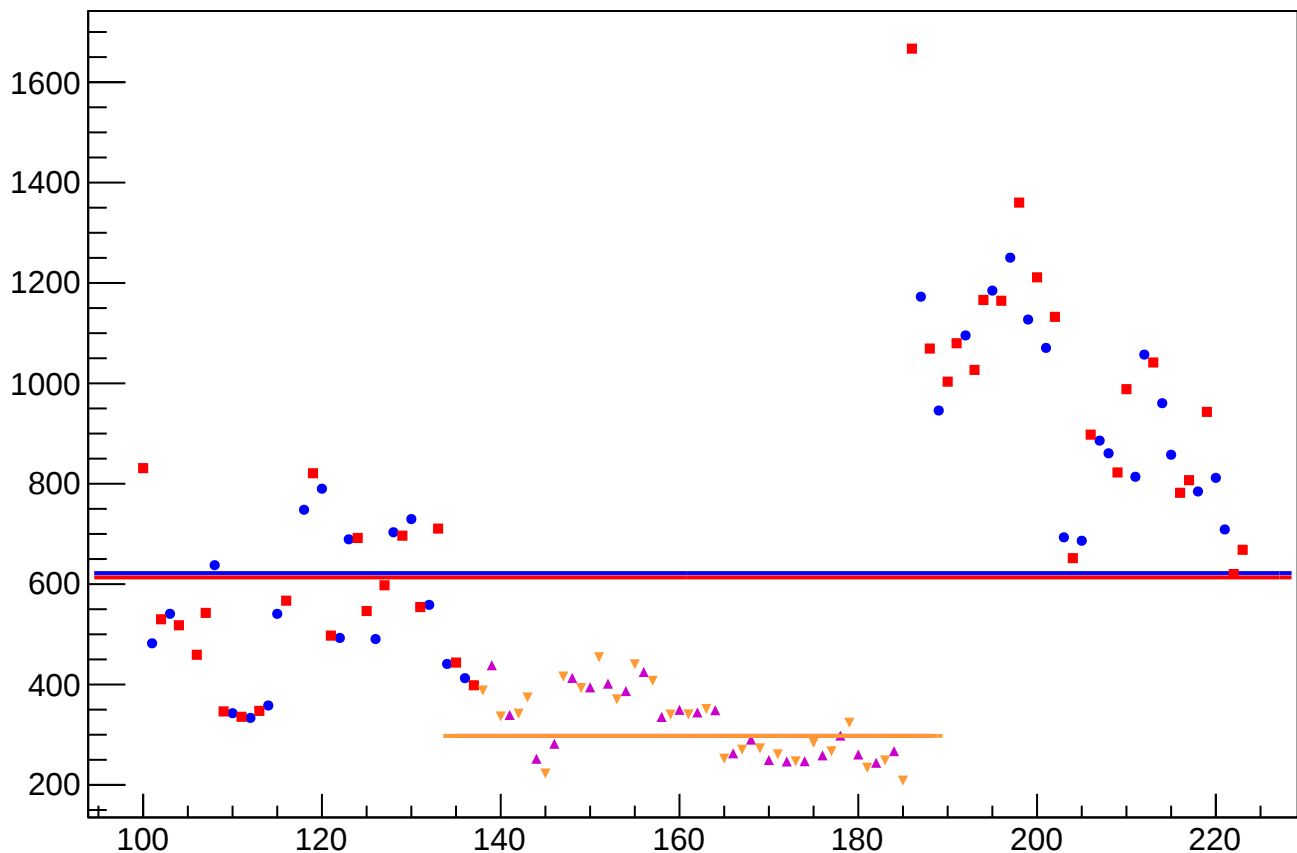
Left In: 60.330 ± 72.788 $\chi^2/\text{NDF}: 30.9/22$

+ sign -284.053 ± 64.244 $\chi^2/\text{NDF}: 101.9/59$

All: -176.989 ± 45.766 $\chi^2/\text{NDF}: 190.4/121$

- sign -66.672 ± 65.212 $\chi^2/\text{NDF}: 82.9/61$

asym_sam_15_37_dd_rms vs Slug



Right In: 621.967+/-0.106 χ^2/NDF : 5087952.4/34

Left Out: 297.613+/-0.050 χ^2/NDF :1637757.8/24

Right Out: 613.399+/-0.104 χ^2/NDF : 6230697.7/38

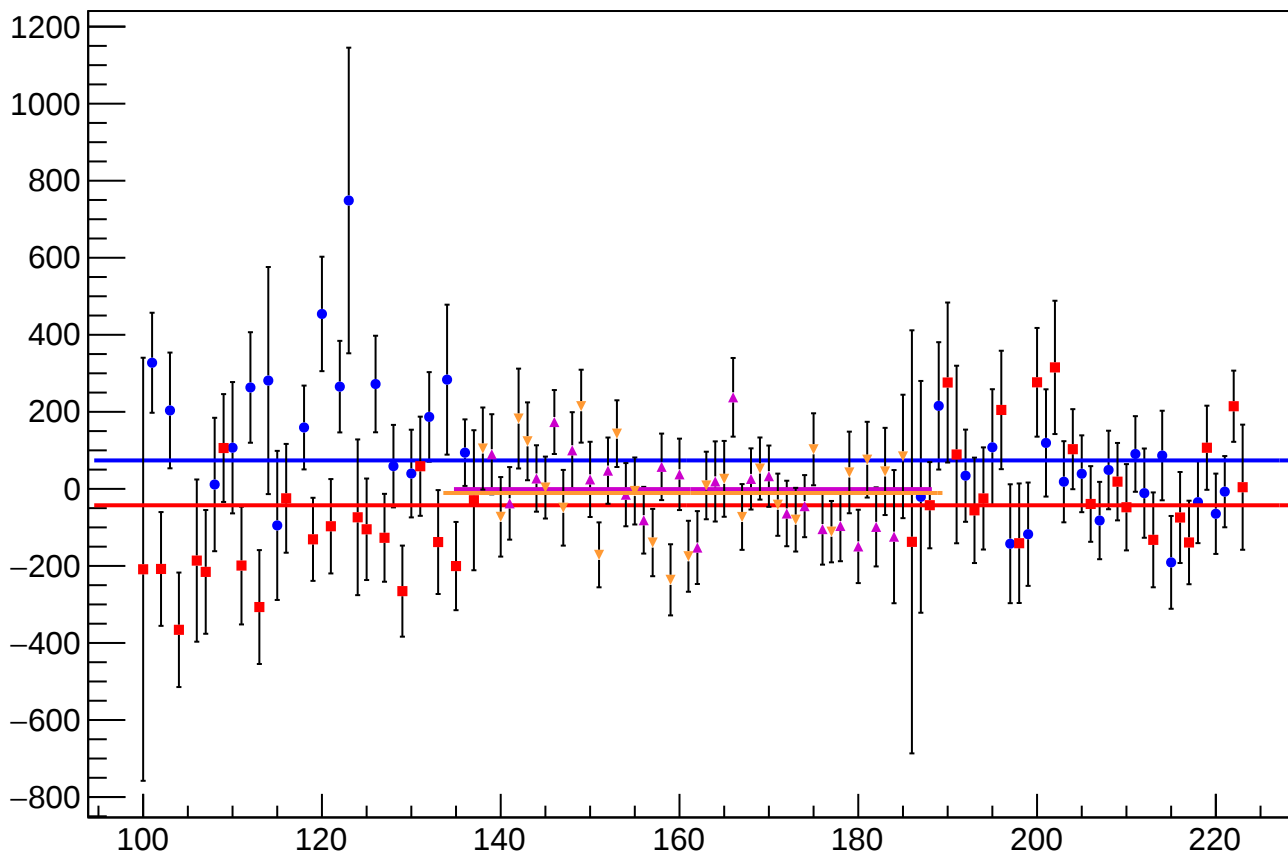
Left In: 297.699+/-0.051 χ^2/NDF :1266306.2/22

+ sign 357.156+/-0.045 χ^2/NDF : 14366449.6/59

All: 358.554+/-0.032 χ^2/NDF : 29289501.3/12

- sign 359.995+/-0.046 χ^2/NDF : 14921127.0/61

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 73.866 $\pm$ 21.115 χ^2 /NDF: 42.1/34

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF: 36.3/24

Right Out: -42.584 $\pm$ 21.369 χ^2 /NDF: 49.9/38

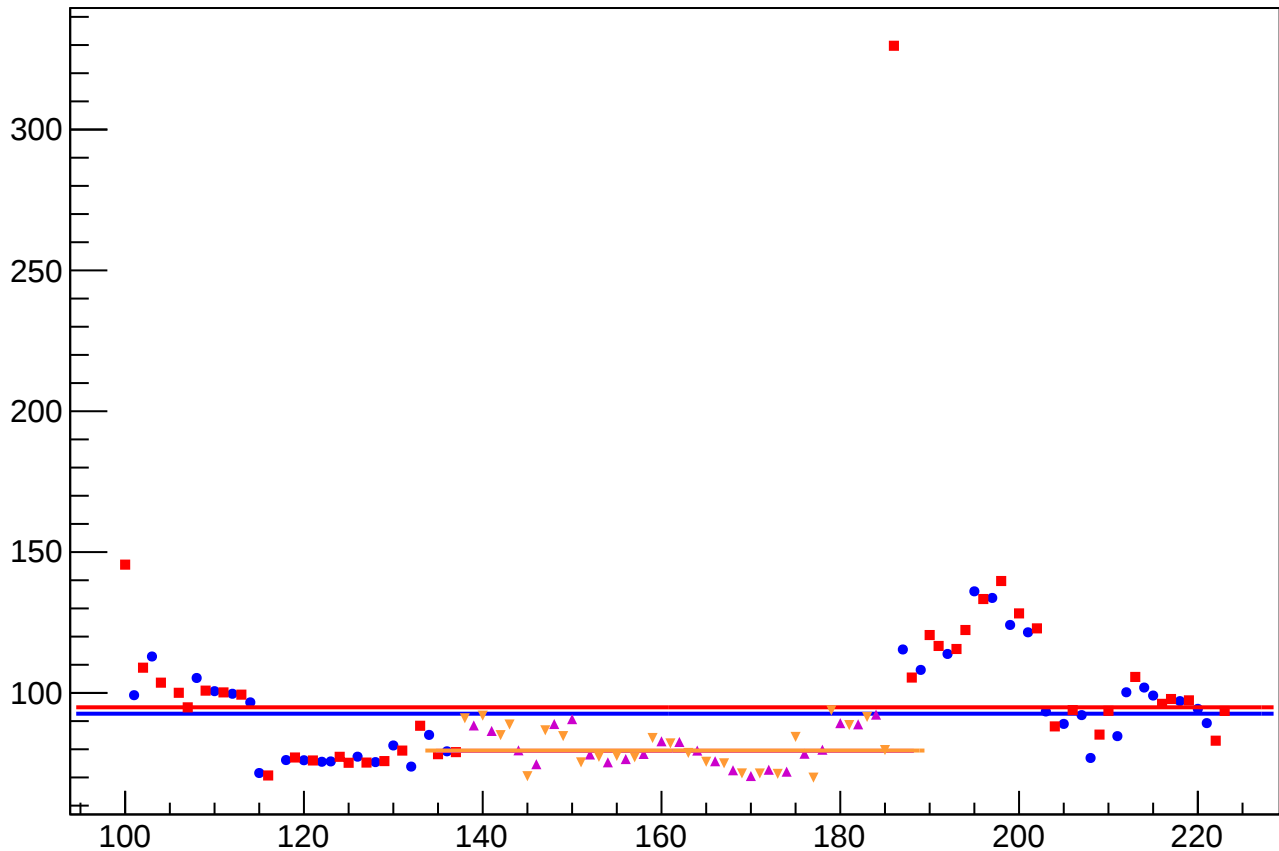
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF: 23.8/22

+ sign 26.288 $\pm$ 13.961 χ^2 /NDF: 87.5/59

All: 3.978 $\pm$ 9.968 χ^2 /NDF: 168.5/121

- sign -19.222 $\pm$ 14.237 χ^2 /NDF: 75.8/61

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 92.631 ± 0.015 $\chi^2/\text{NDF}: 1098371.5/34$

Left Out: 79.551 ± 0.013 $\chi^2/\text{NDF}: 309075.2/24$

Right Out: 94.902 ± 0.015 $\chi^2/\text{NDF}: 1571836.9/38$

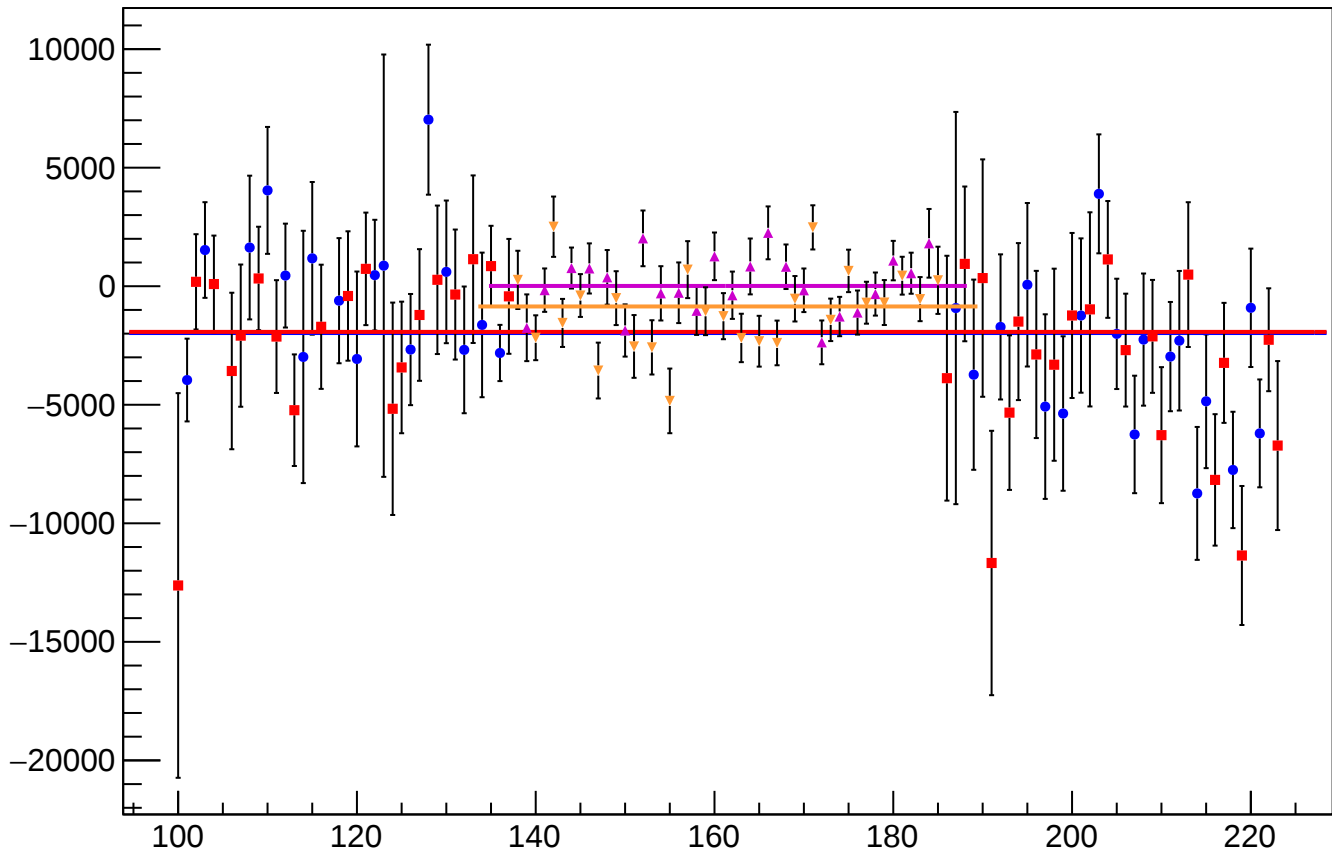
Left In: 79.436 ± 0.013 $\chi^2/\text{NDF}: 212440.1/22$

+ sign 85.269 ± 0.010 $\chi^2/\text{NDF}: 1839377.0/59$

All: 85.775 ± 0.007 $\chi^2/\text{NDF}: 4211591.0/121$

- sign 86.301 ± 0.010 $\chi^2/\text{NDF}: 2366855.2/61$

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1974.379 ± 440.185 $\chi^2/\text{NDF}: 51.1/34$

Left Out: -854.130 ± 204.090 $\chi^2/\text{NDF}: 56.0/24$

Right Out: -1926.051 ± 447.957 $\chi^2/\text{NDF}: 41.9/38$

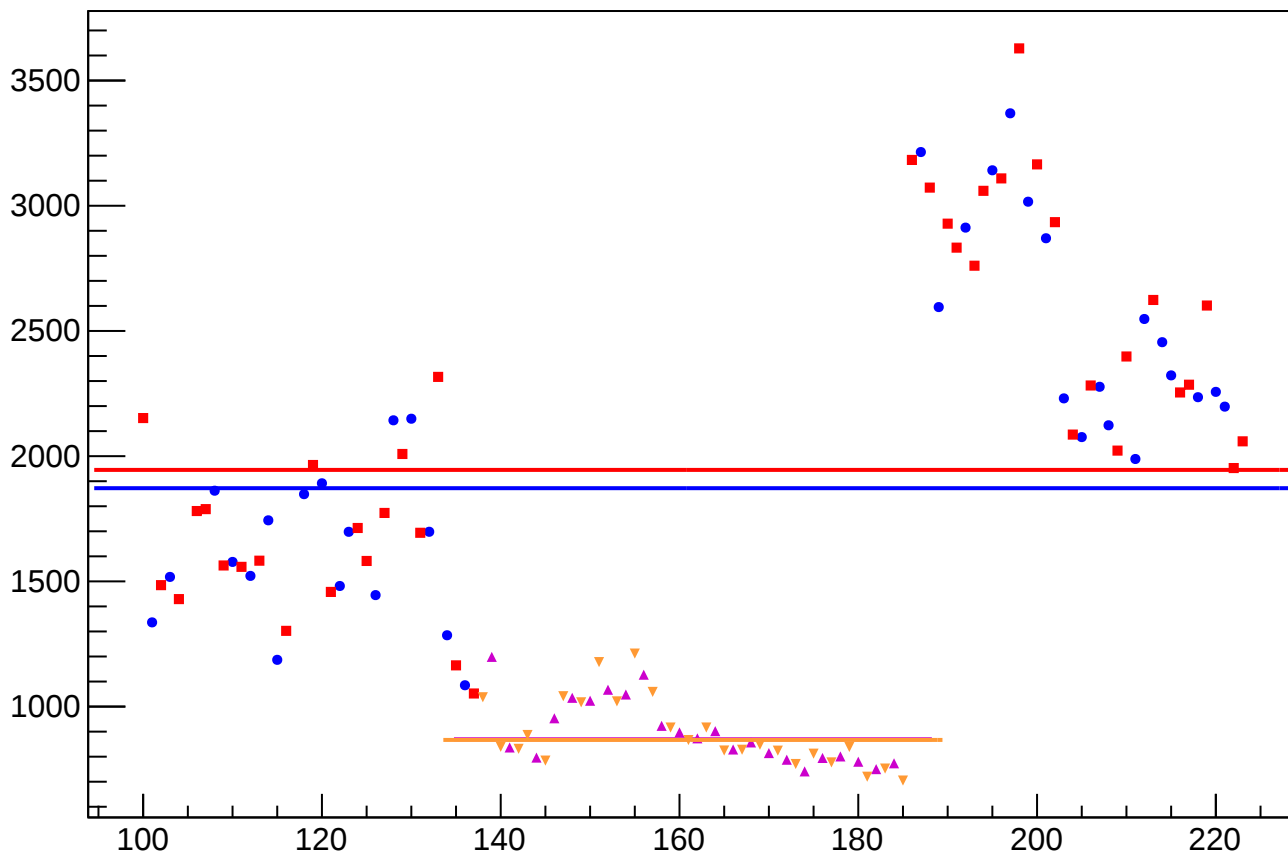
Left In: 11.687 ± 210.073 $\chi^2/\text{NDF}: 31.2/22$

+ sign -1052.338 ± 185.157 $\chi^2/\text{NDF}: 112.4/59$

All: -704.584 ± 132.672 $\chi^2/\text{NDF}: 208.1/121$

- sign -337.639 ± 190.197 $\chi^2/\text{NDF}: 88.4/61$

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1872.141 $\pm$ 0.311 χ^2 /NDF: 3392763.2/34

Left Out: 866.893 $\pm$ 0.144 χ^2 /NDF: 661712.5/24

+ sign 1044.754 $\pm$ 0.131 χ^2 /NDF: 12639477.1/59

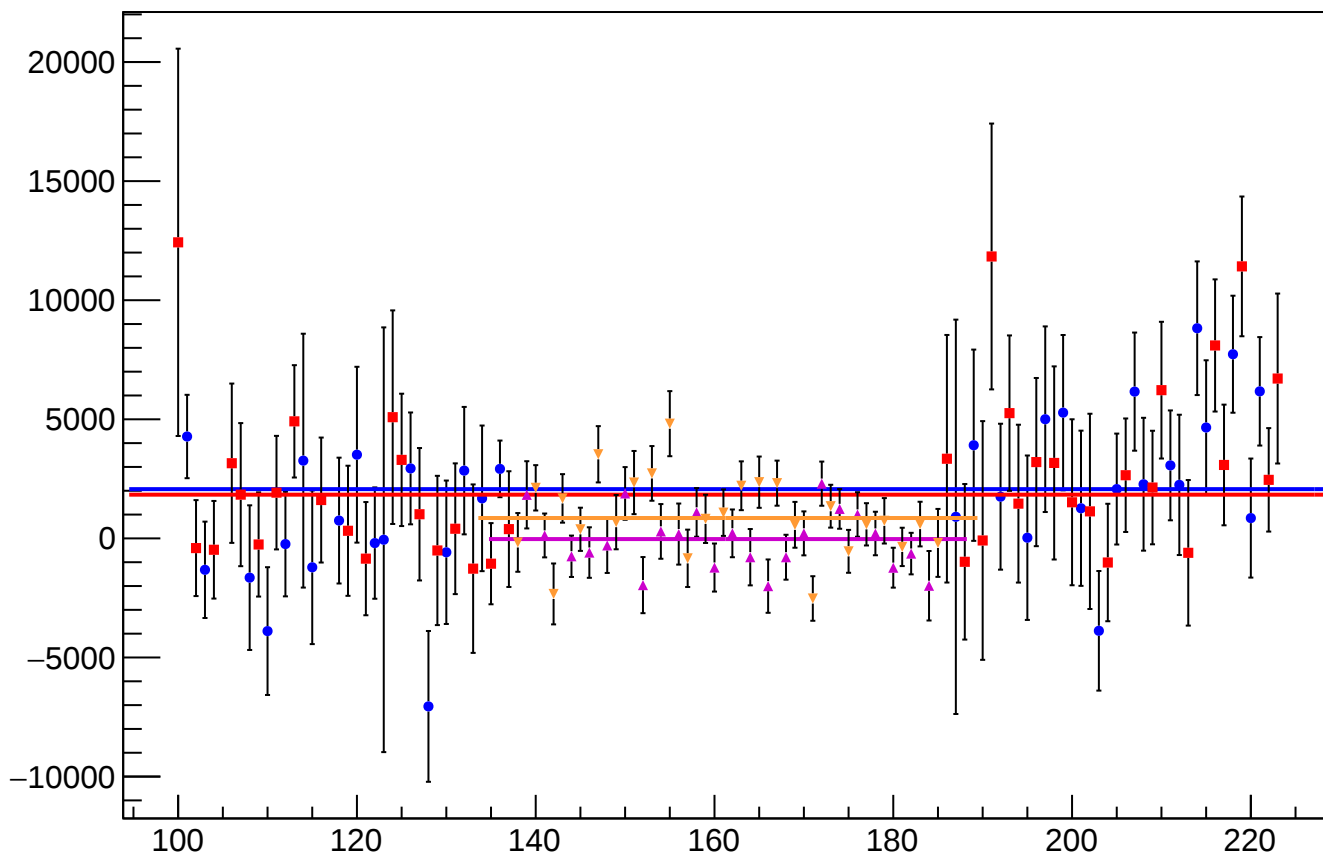
Right Out: 1945.145 $\pm$ 0.317 χ^2 /NDF: 3510274.0/38

All: 1053.860 $\pm$ 0.094 χ^2 /NDF: 26193649.9/100

Left In: 869.569 $\pm$ 0.149 χ^2 /NDF: 582301.2/22

- sign 1063.469 $\pm$ 0.134 χ^2 /NDF: 13544231.6/61

asym_sam_24_68_dd_mean vs Slug



Right In: 2068.012 $\pm$ 440.873 χ^2 /NDF: 50.4/34

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF: 54.1/24

Right Out: 1836.179 $\pm$ 448.722 χ^2 /NDF: 42.3/38

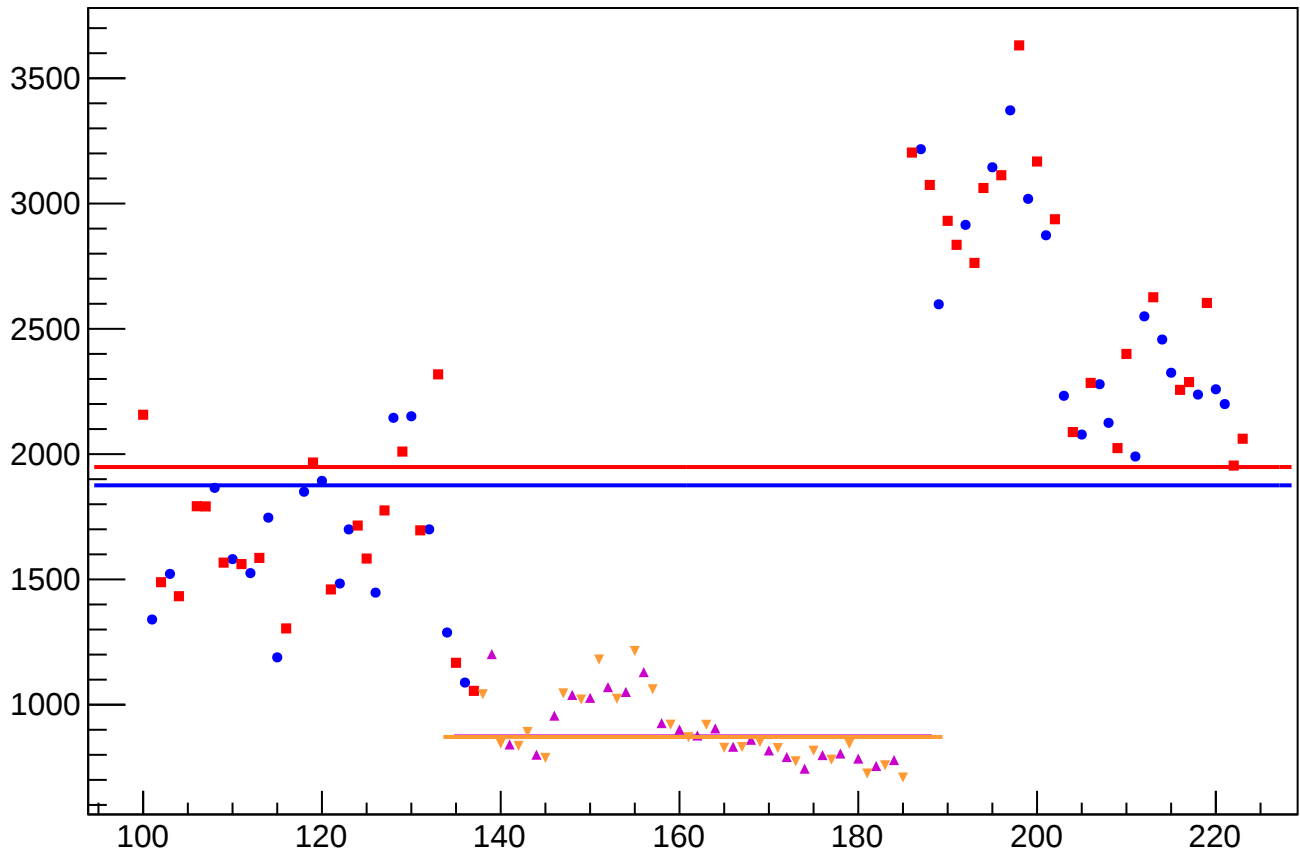
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 1071.271 $\pm$ 185.922 χ^2 /NDF: 110.7/59

All: 700.433 $\pm$ 133.215 χ^2 /NDF: 205.1/121

- sign 309.190 $\pm$ 190.969 χ^2 /NDF: 86.2/61

asym_sam_24_68_dd_rms vs Slug



Right In: 1875.474+/-0.312 χ^2/NDF : 3377746.6/34

Left Out: 871.109+/-0.145 χ^2/NDF : 651751.1/24

Right Out: 1948.550+/-0.317 χ^2/NDF : 3499480.8/38

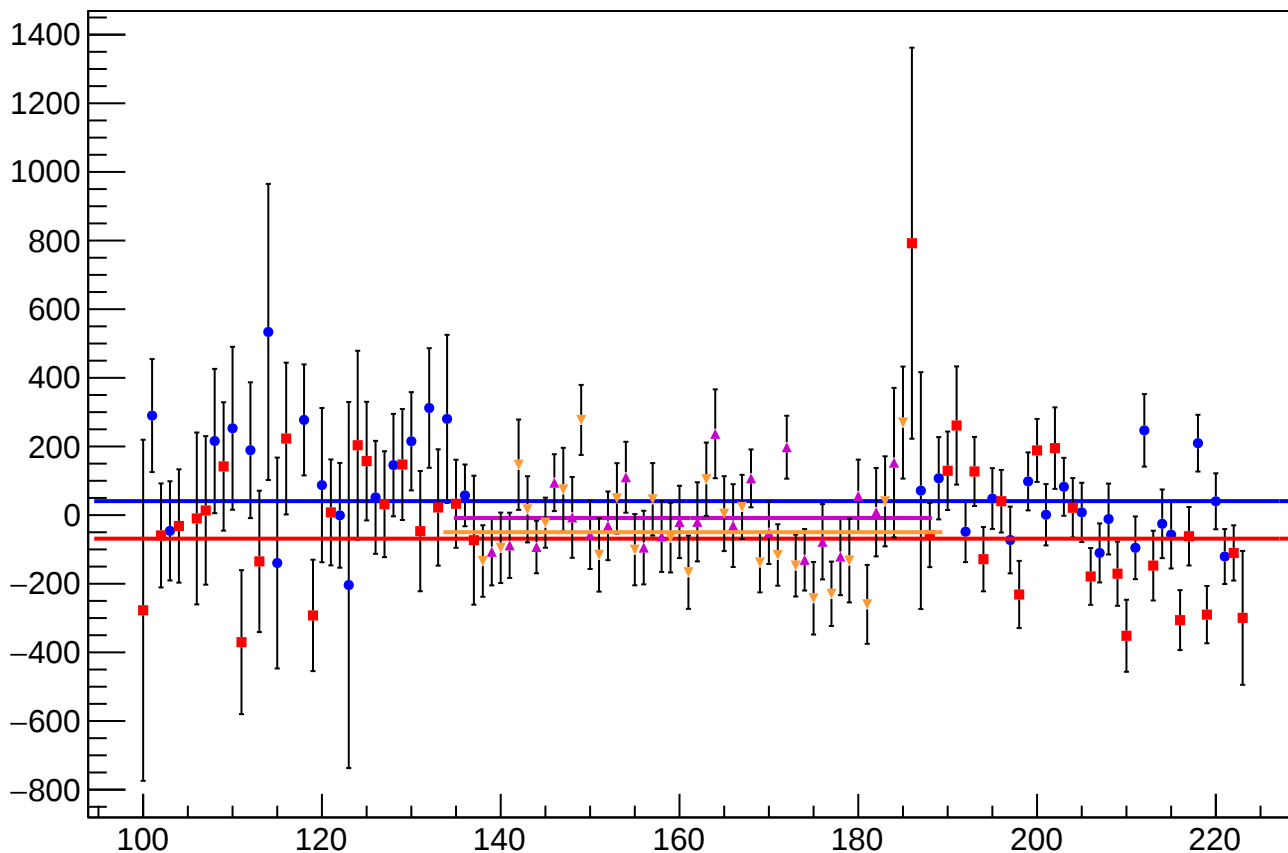
Left In: 873.675+/-0.149 χ^2/NDF : 573822.5/22

+ sign 1049.727+/-0.131 χ^2/NDF : 12563288.0/59

All: 1058.793+/-0.094 χ^2/NDF : 26043848.9/100

- sign 1068.358+/-0.135 χ^2/NDF : 13470788.7/61

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 40.728 ± 19.436 χ^2/NDF : 37.0/34

Left Out: -49.717 ± 20.580 χ^2/NDF : 39.4/24

Right Out: -68.622 ± 19.576 χ^2/NDF : 71.7/38

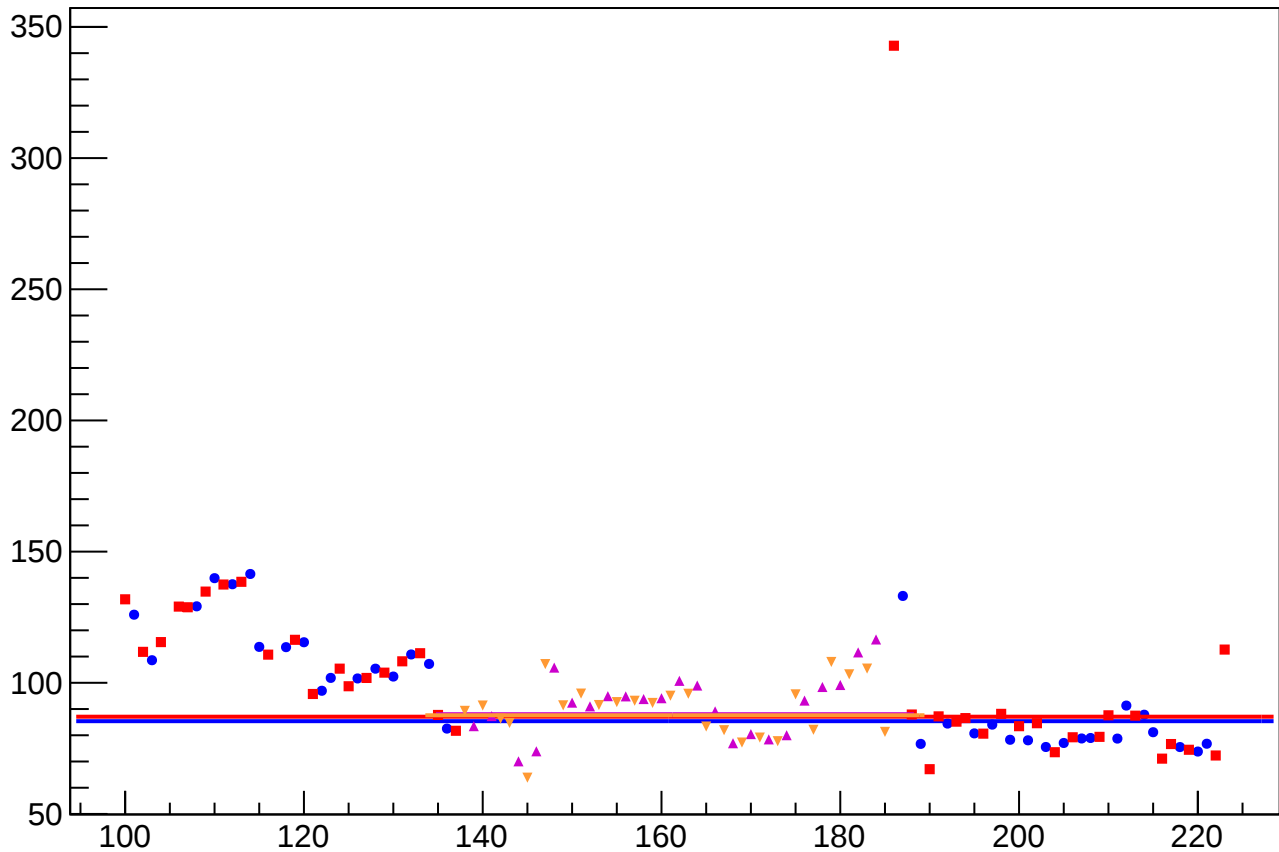
Left In: -8.343 ± 21.271 χ^2/NDF : 22.0/22

+ sign -1.912 ± 14.131 χ^2/NDF : 86.6/59

All: -21.071 ± 10.087 χ^2/NDF : 188.4/121

- sign -40.980 ± 14.404 χ^2/NDF : 98.1/61

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 85.370 $\pm$ 0.014 χ^2 /NDF: 1070742.5/34

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 87.076 $\pm$ 0.014 χ^2 /NDF: 1657388.8/38

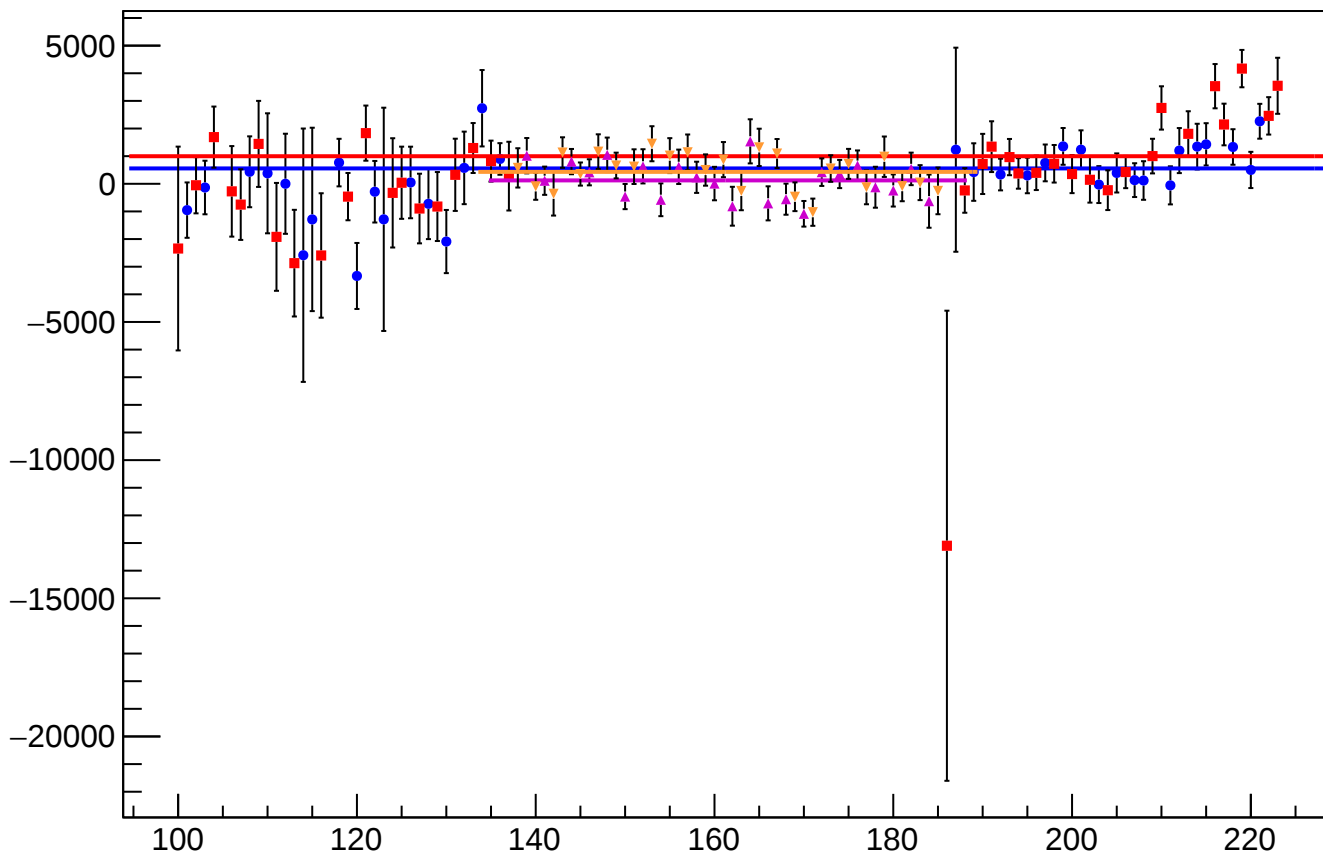
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 86.433 $\pm$ 0.010 χ^2 /NDF: 1638132.5/59

All: 86.964 $\pm$ 0.007 χ^2 /NDF: 3827163.3/121

- sign 87.515 $\pm$ 0.010 χ^2 /NDF: 2183285.7/61

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 556.108 $\pm$ 143.741 χ^2/NDF : 41.4/34

Left Out: 431.658 $\pm$ 115.706 χ^2/NDF : 30.5/24

Right Out: 997.799 $\pm$ 142.230 χ^2/NDF : 88.2/38

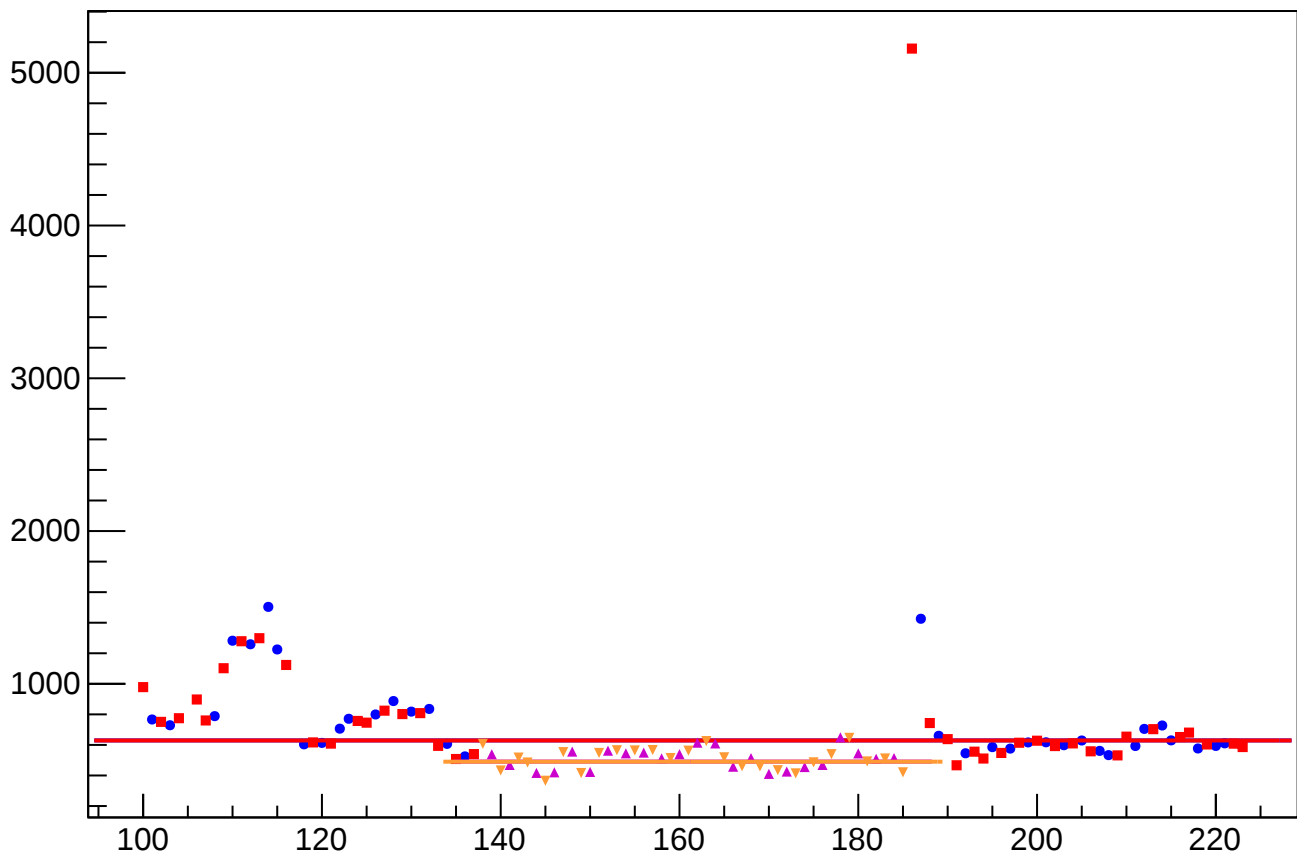
Left In: 123.017 $\pm$ 118.849 χ^2/NDF : 29.3/22

+ sign 480.590 $\pm$ 90.132 χ^2/NDF : 72.3/59

All: 481.628 $\pm$ 64.107 χ^2/NDF : 212.0/121

- sign 482.690 $\pm$ 91.200 χ^2/NDF : 139.7/61

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 629.496 $\pm$ 0.102 χ^2 /NDF: 1250041.8/34

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 629.167 $\pm$ 0.101 χ^2 /NDF: 2058041.1/38

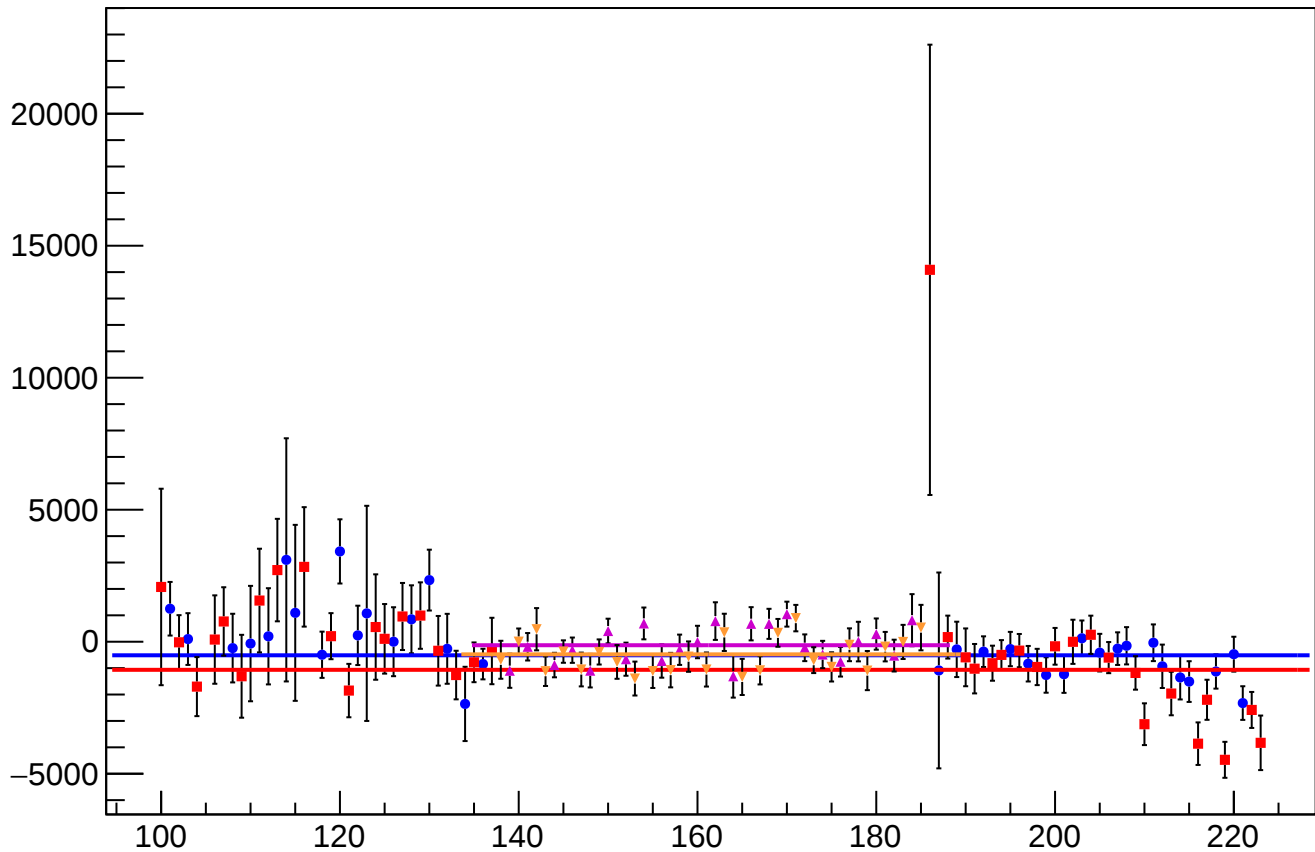
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 545.010 $\pm$ 0.064 χ^2 /NDF: 3138945.8/59

All: 546.367 $\pm$ 0.045 χ^2 /NDF: 6899953.1/123

- sign 547.755 $\pm$ 0.064 χ^2 /NDF: 3760090.7/61

asym_sam_26_48_dd_mean vs Slug



Right In: -513.821 ± 145.204 χ^2/NDF : 41.5/34

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -1064.213 ± 143.779 χ^2/NDF : 98.2/38

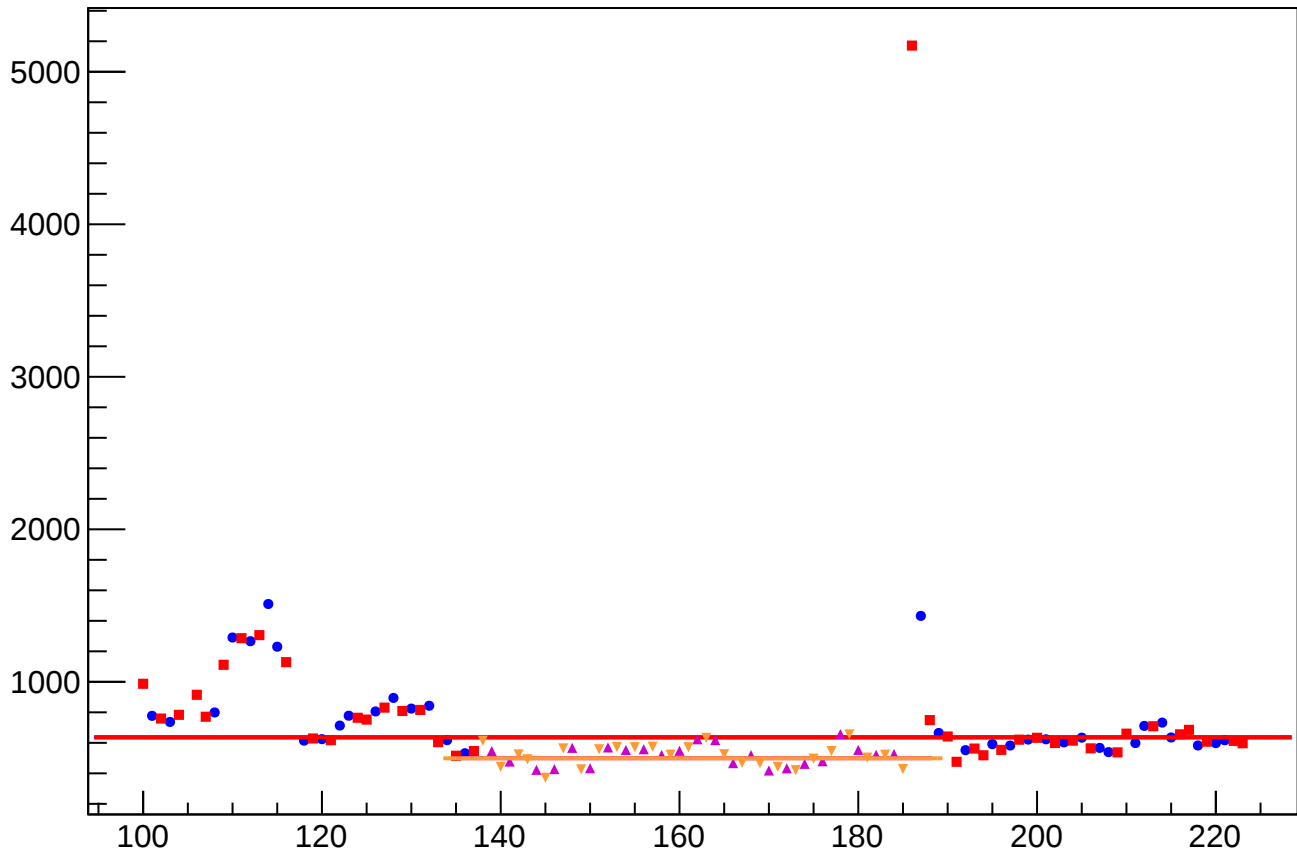
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -492.316 ± 91.415 χ^2/NDF : 69.4/59

All: -505.159 ± 65.027 χ^2/NDF : 221.7/121

- sign -518.314 ± 92.519 χ^2/NDF : 152.3/61

asym_sam_26_48_dd_rms vs Slug



Right In: 636.069+/-0.103 χ^2/NDF : 1238662.3/34

Left Out: 498.754+/-0.083 χ^2/NDF : 734302.8/24

Right Out: 636.233+/-0.102 χ^2/NDF : 2035727.2/38

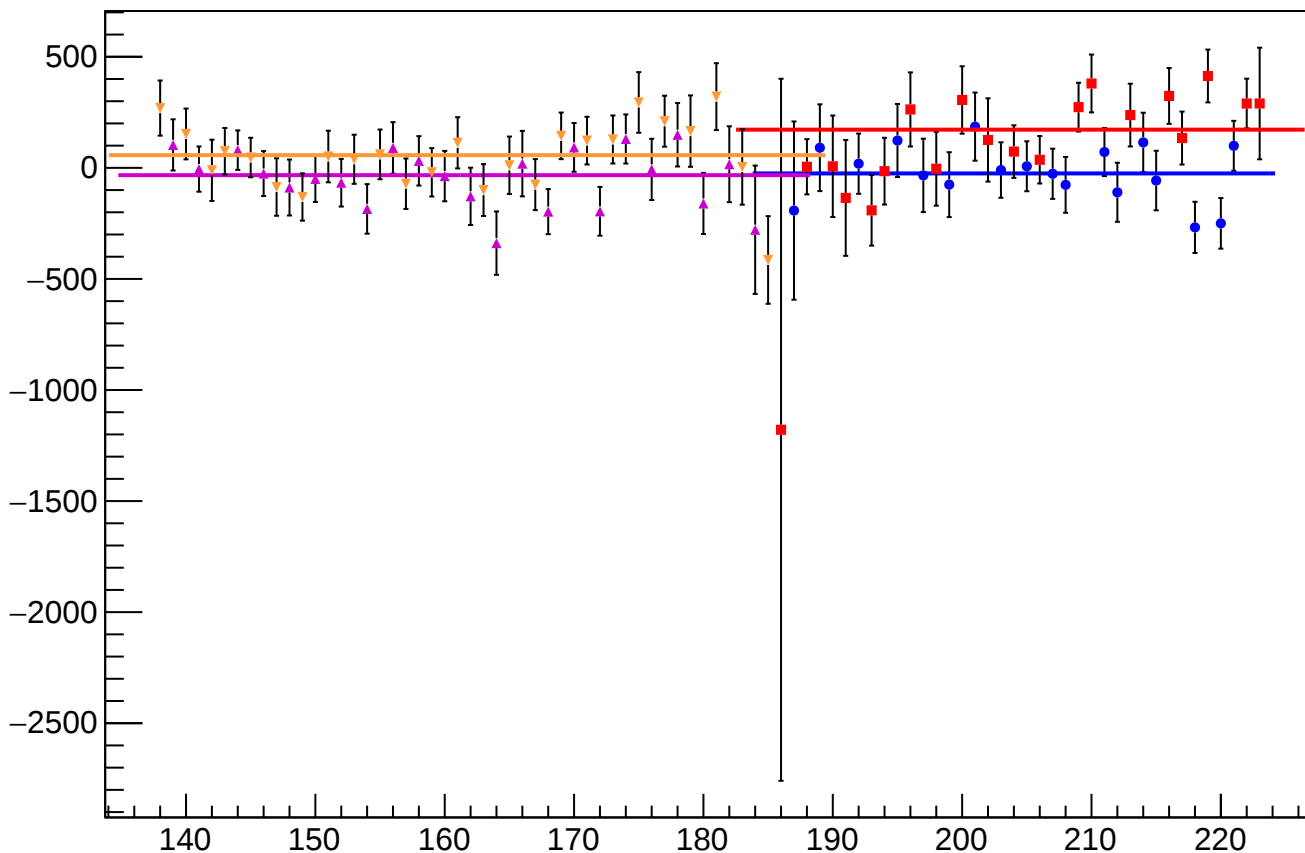
Left In: 499.393+/-0.085 χ^2/NDF : 576539.2/22

+ sign 553.179+/-0.065 χ^2/NDF : 3052642.2/59

All: 554.599+/-0.046 χ^2/NDF : 6727374.6/123

- sign 556.054+/-0.065 χ^2/NDF : 3673755.6/61

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.135 ± 31.313 χ^2/NDF : 15.6/17

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: 172.001 ± 31.970 χ^2/NDF : 26.4/19

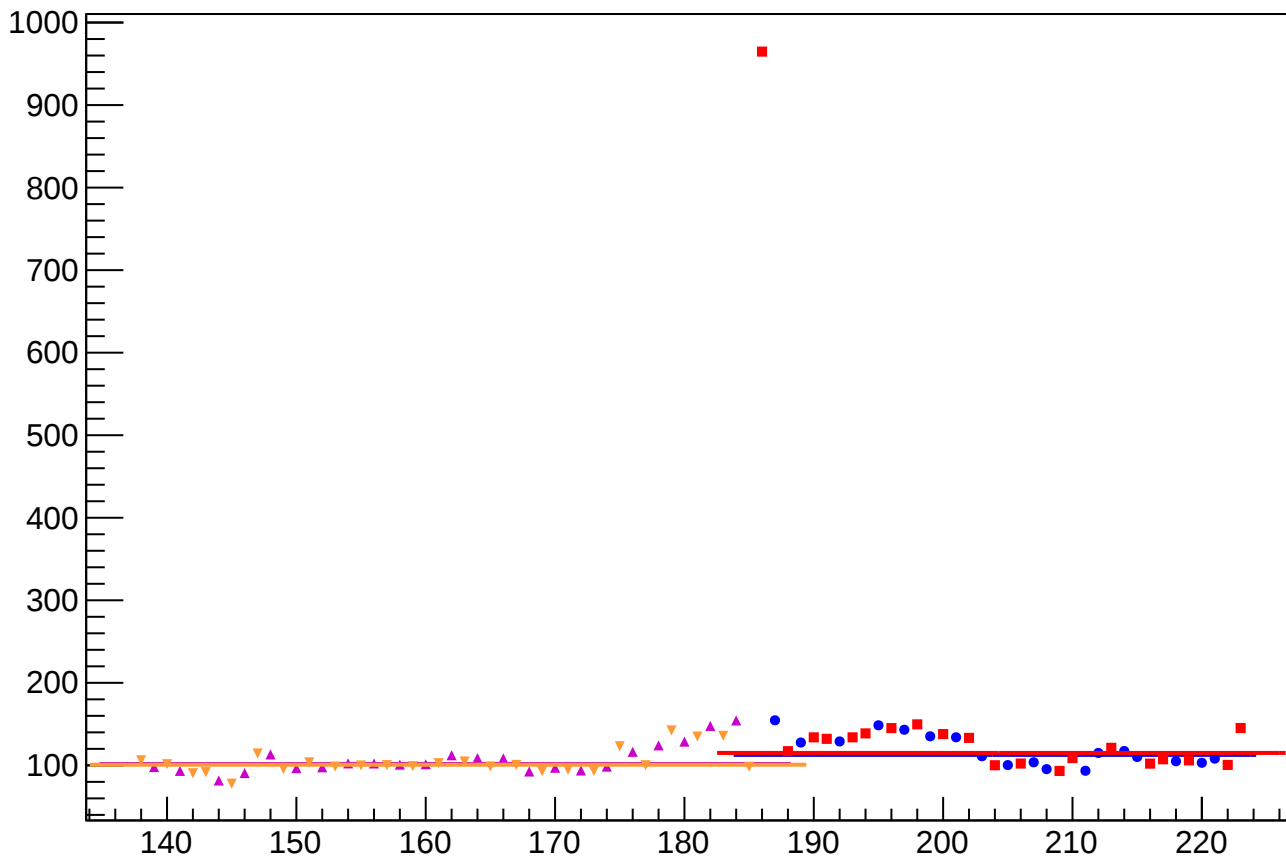
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 27.198 ± 18.904 χ^2/NDF : 49.2/42

All: 34.965 ± 13.570 χ^2/NDF : 125.4/85

- sign 43.221 ± 19.490 χ^2/NDF : 75.9/42

reg_asym_sam_1548_avg_rms vs Slug



Right In: 112.708 $\pm$ 0.022 χ^2 /NDF: 479641.0/17

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 115.060 $\pm$ 0.023 χ^2 /NDF: 1147099.1/19

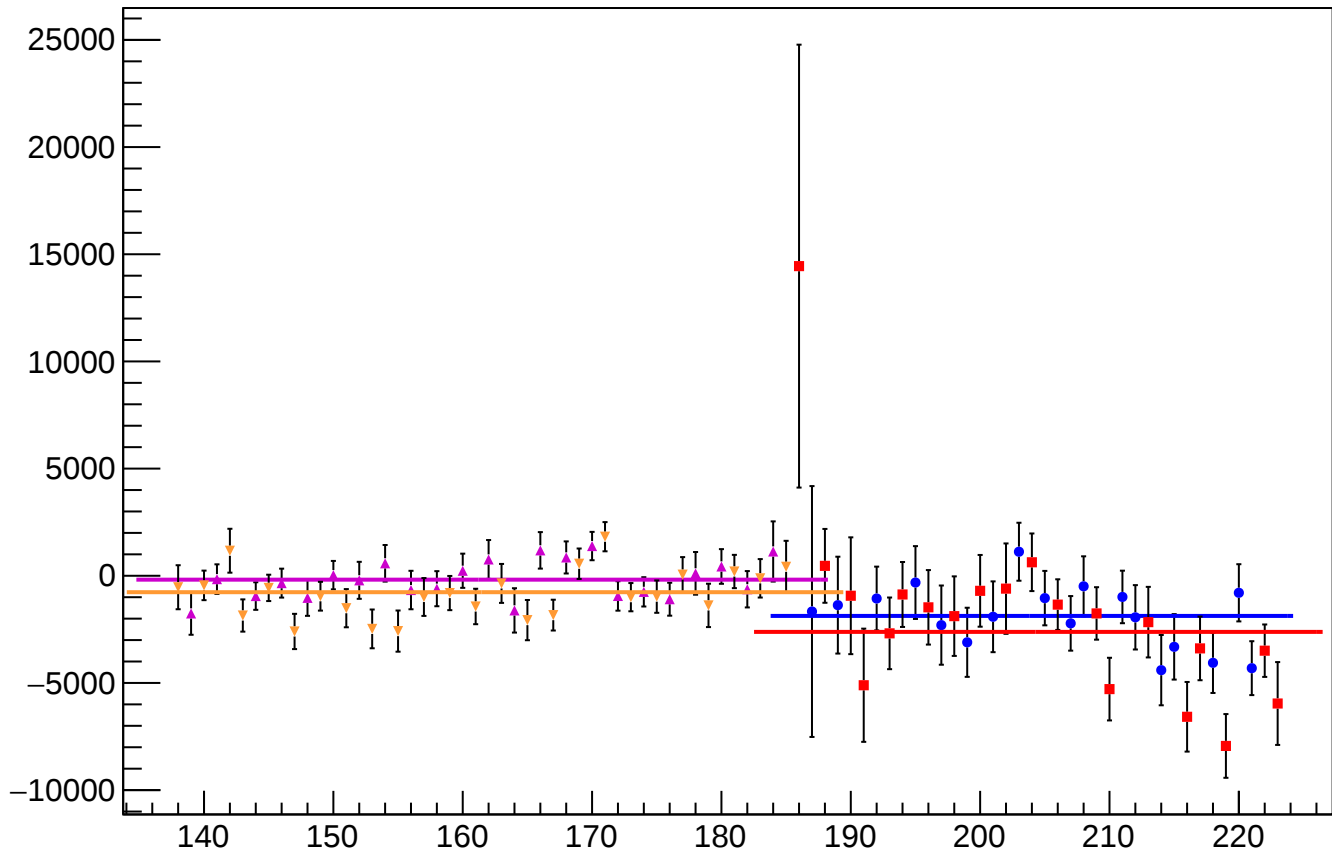
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 105.140 $\pm$ 0.013 χ^2 /NDF: 1263939.3/42

All: 105.856 $\pm$ 0.010 χ^2 /NDF: 3221320.8/85

- sign 106.616 $\pm$ 0.014 χ^2 /NDF: 1951474.3/42

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1873.043+/-354.118 χ^2/NDF : 18.8/17

Left Out: -766.358+/-161.066 χ^2/NDF : 46.5/24

Right Out: -2618.153+/-362.323 χ^2/NDF : 44.8/19

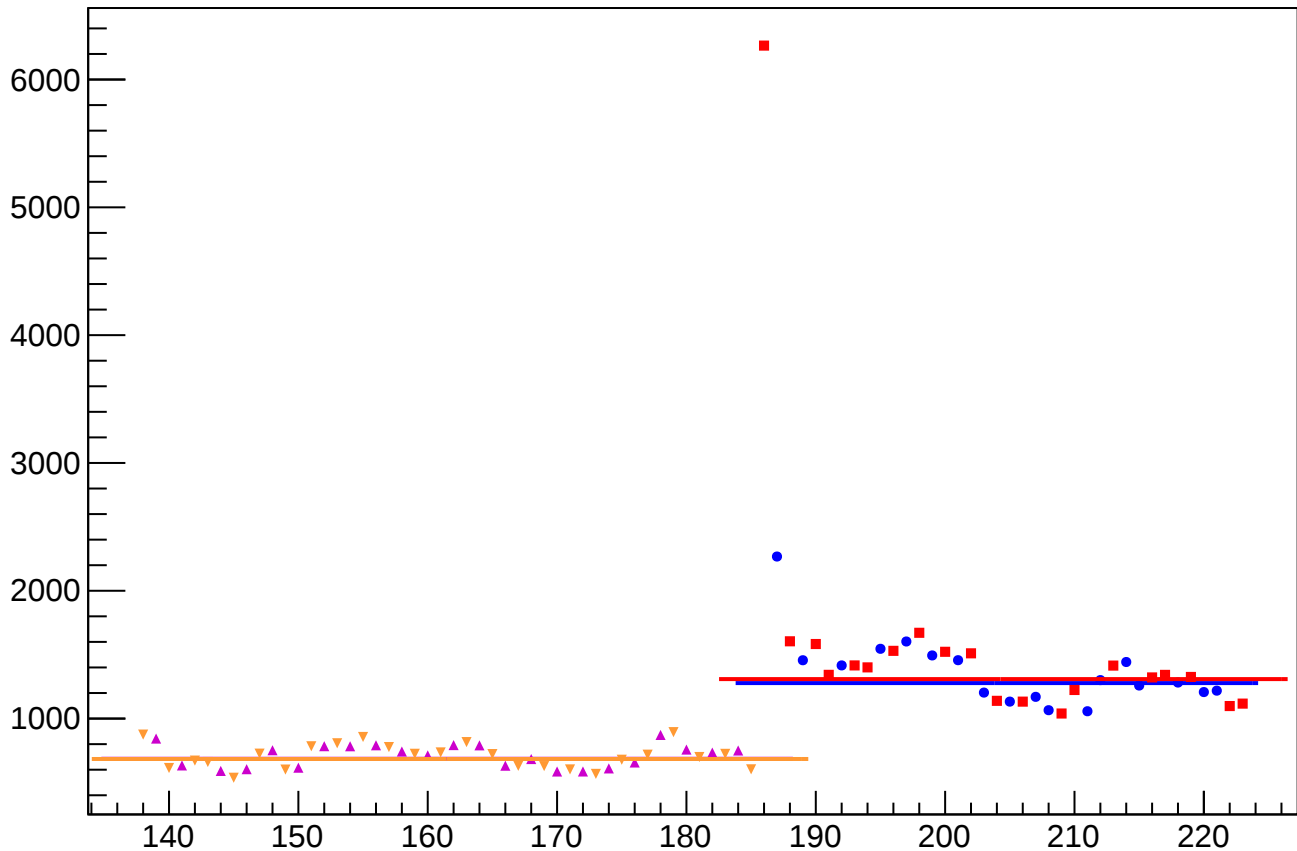
Left In: -181.584+/-165.671 χ^2/NDF : 25.0/22

+ sign -956.061+/-146.613 χ^2/NDF : 73.5/42

All: -784.305+/-105.075 χ^2/NDF : 183.5/85

- sign -602.918+/-150.667 χ^2/NDF : 107.2/42

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1277.738 $\pm$ 0.250 χ^2 /NDF: 446516.2/17

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 1308.931 $\pm$ 0.256 χ^2 /NDF: 983791.1/19

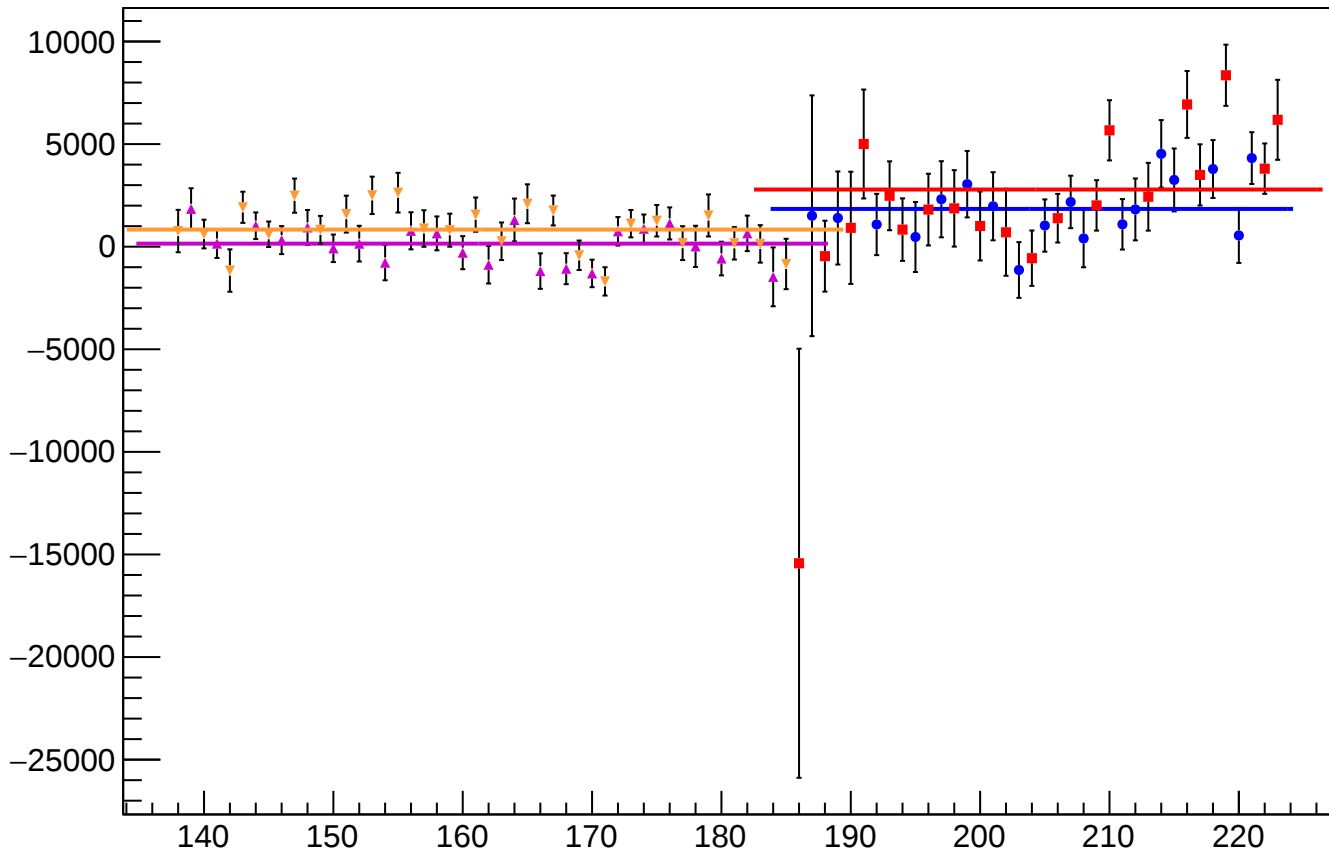
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 785.680 $\pm$ 0.104 χ^2 /NDF: 5774147.9/42

All: 789.426 $\pm$ 0.074 χ^2 /NDF: 12185881.4/85

- sign 793.381 $\pm$ 0.107 χ^2 /NDF: 6409049.9/42

asym_sam_1548_avg_mean vs Slug



Right In: 1840.598+/-355.565 χ^2/NDF : 18.5/17

Left Out: 833.395+/-162.965 χ^2/NDF : 43.2/24

Right Out: 2786.132+/-363.844 χ^2/NDF : 48.3/19

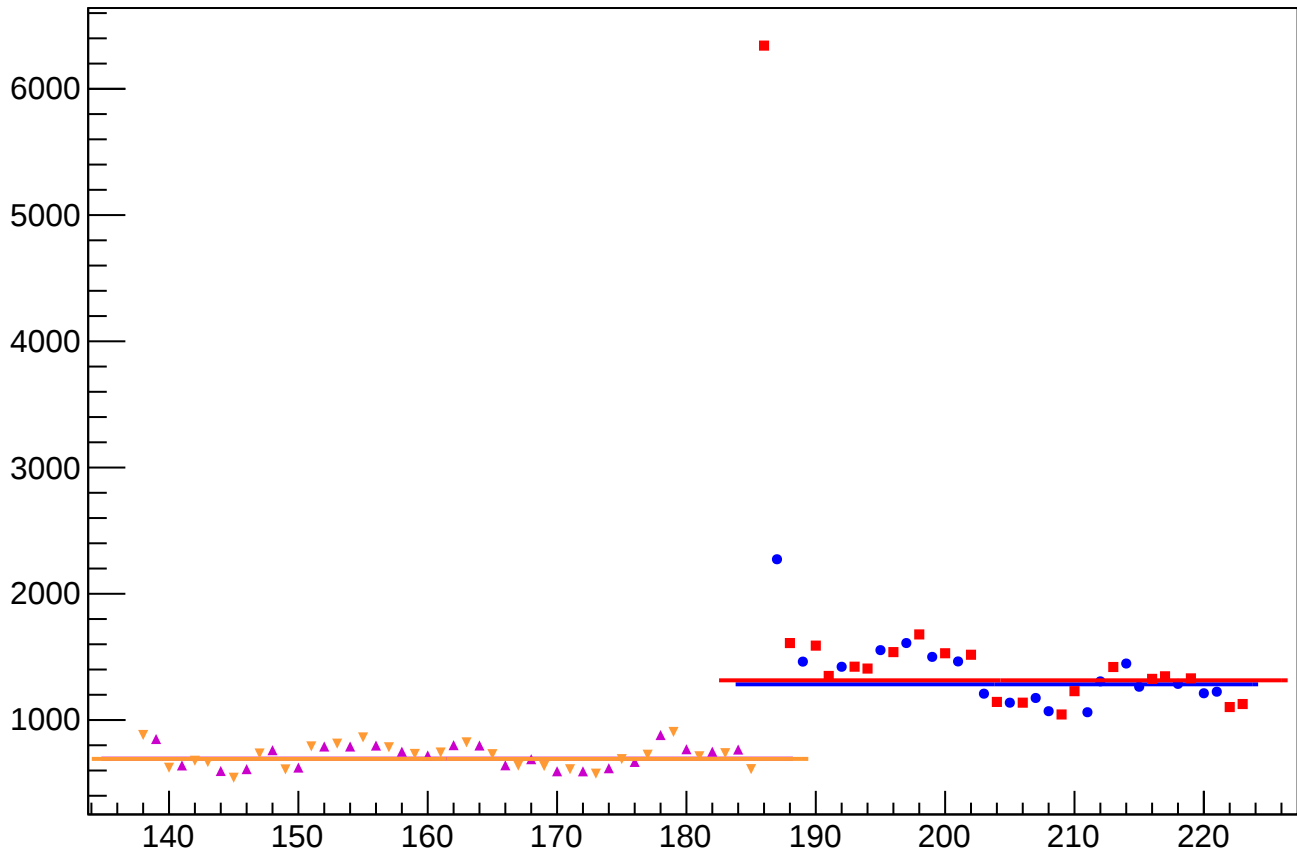
Left In: 148.814+/-167.644 χ^2/NDF : 26.0/22

+ sign 1008.243+/-148.146 χ^2/NDF : 68.3/42

All: 814.895+/-106.179 χ^2/NDF : 189.5/85

- sign 610.663+/-152.259 χ^2/NDF : 117.6/42

asym_sam_1548_avg_rms vs Slug



Right In: 1282.968+/-0.251 χ^2/NDF : 446940.2/17

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1314.434+/-0.257 χ^2/NDF : 984846.9/19

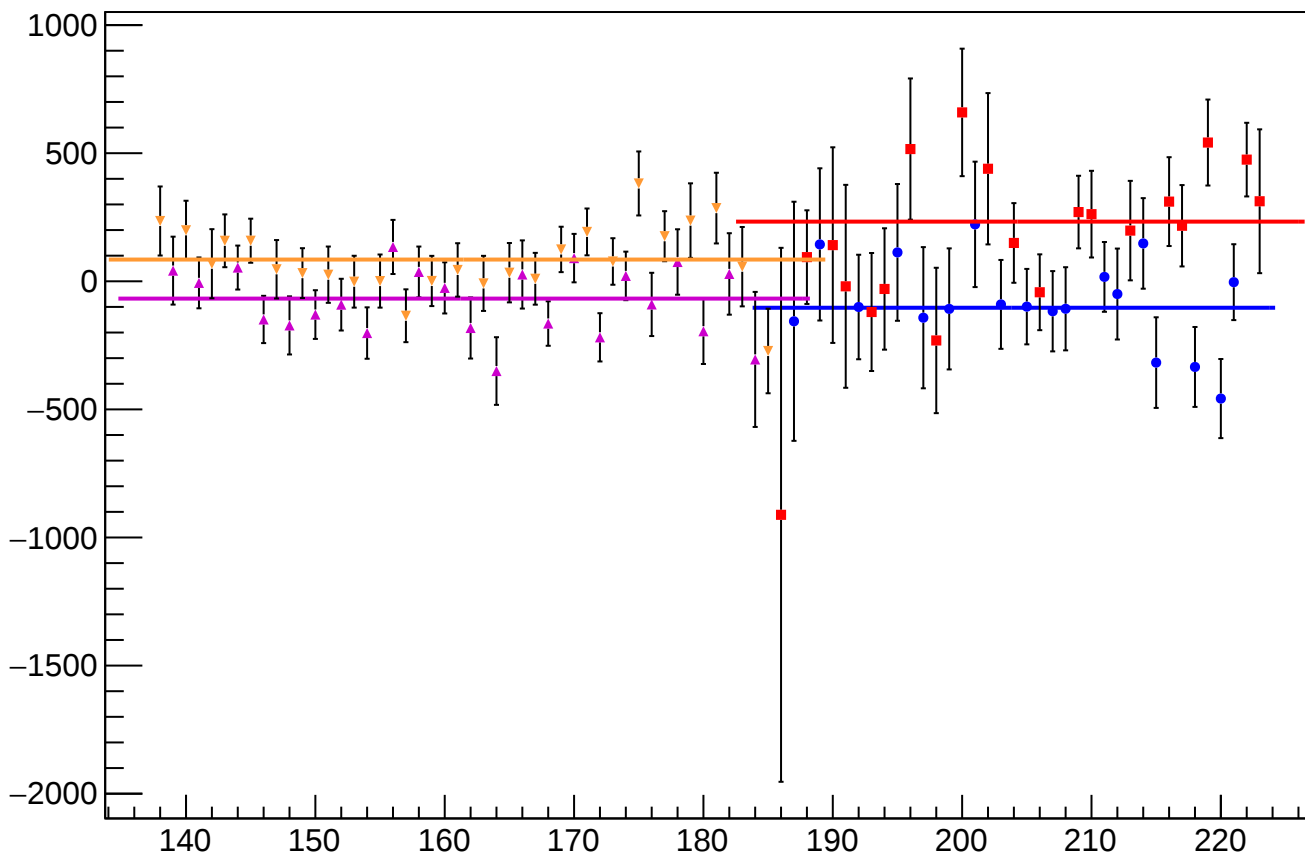
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 794.671+/-0.105 χ^2/NDF : 5668465.9/42

All: 798.498+/-0.075 χ^2/NDF : 11977300.1/85

- sign 802.541+/-0.108 χ^2/NDF : 6306089.0/42

reg_asym_sam_3748_avg_mean vs Slug



Right In: -103.256 $\pm$ 43.108 χ^2 /NDF: 15.4/17

Left Out: 84.860 $\pm$ 21.643 χ^2 /NDF: 28.5/24

Right Out: 232.927 $\pm$ 44.638 χ^2 /NDF: 23.4/19

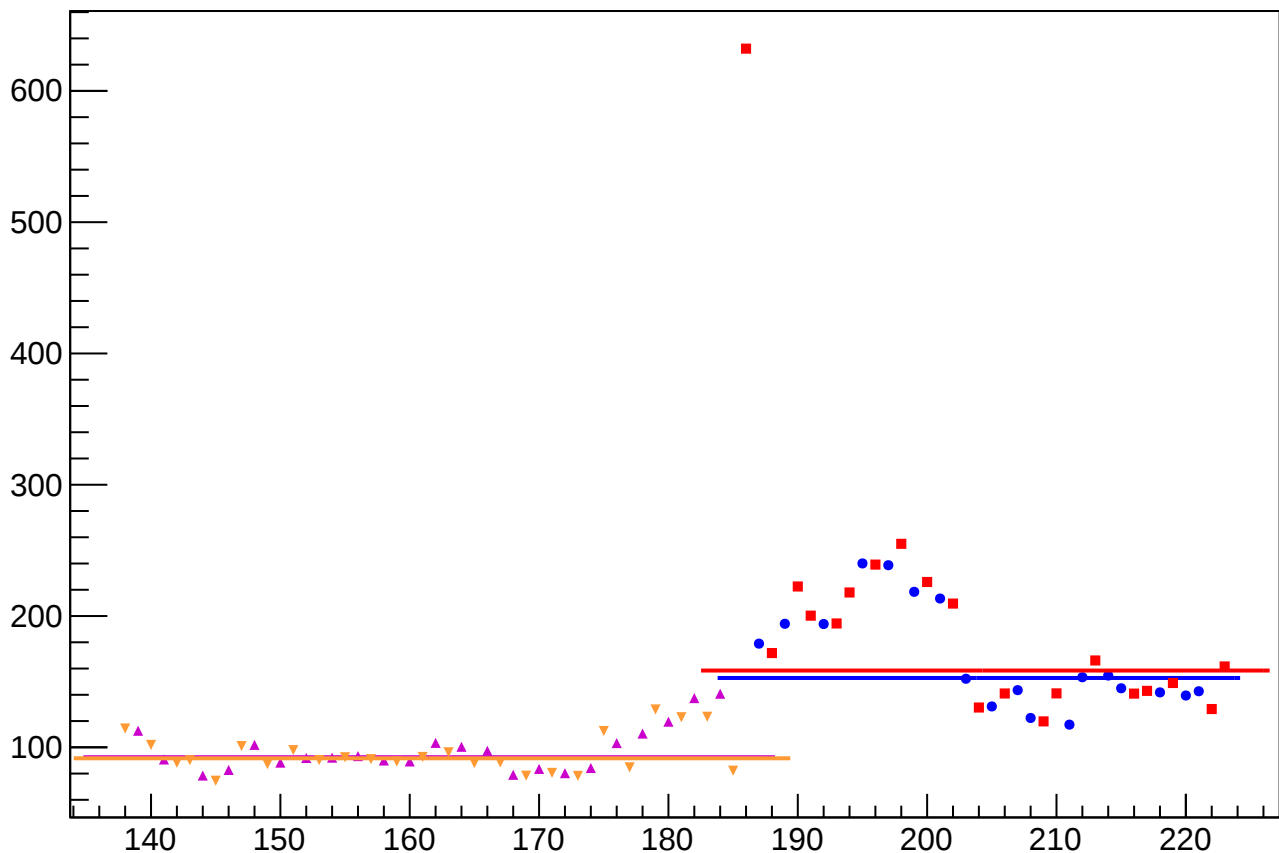
Left In: -67.552 $\pm$ 22.449 χ^2 /NDF: 28.9/22

+ sign 46.988 $\pm$ 19.342 χ^2 /NDF: 59.1/42

All: 21.022 $\pm$ 13.922 χ^2 /NDF: 151.3/85

- sign -6.896 $\pm$ 20.056 χ^2 /NDF: 88.4/42

reg_asym_sam_3748_avg_rms vs Slug



Right In: 152.814 $\pm$ 0.030 χ^2 /NDF: 1106337.7/17

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 158.477 $\pm$ 0.032 χ^2 /NDF: 1683332.8/19

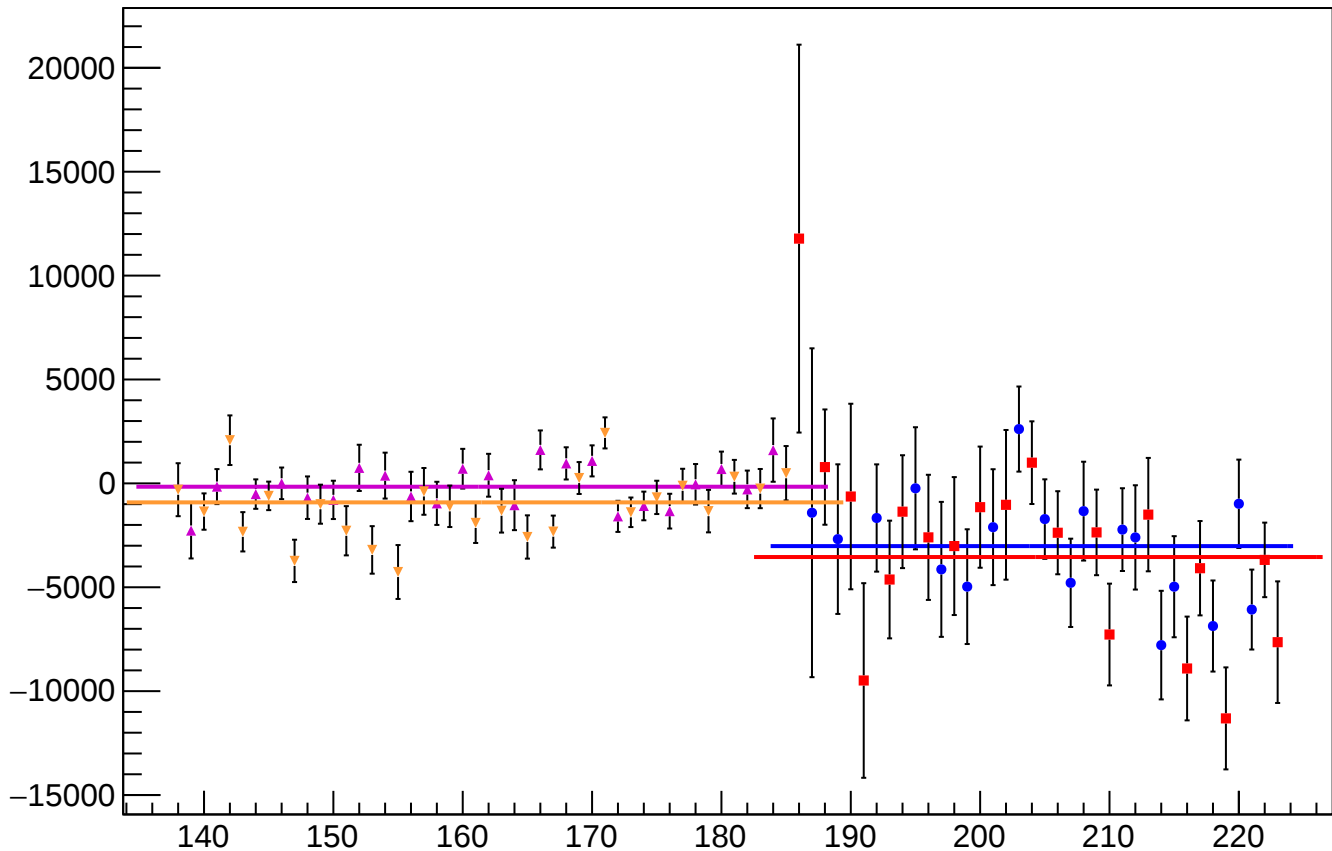
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 103.950 $\pm$ 0.014 χ^2 /NDF: 5017070.1/42

All: 104.837 $\pm$ 0.010 χ^2 /NDF: 10855586.3/85

- sign 105.791 $\pm$ 0.014 χ^2 /NDF: 5829781.5/42

asym_sam_3748_avg_correction_mean vs Slug



Right In: -3019.402 ± 572.645 χ^2/NDF : 21.8/17

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -3545.023 ± 589.188 χ^2/NDF : 34.7/19

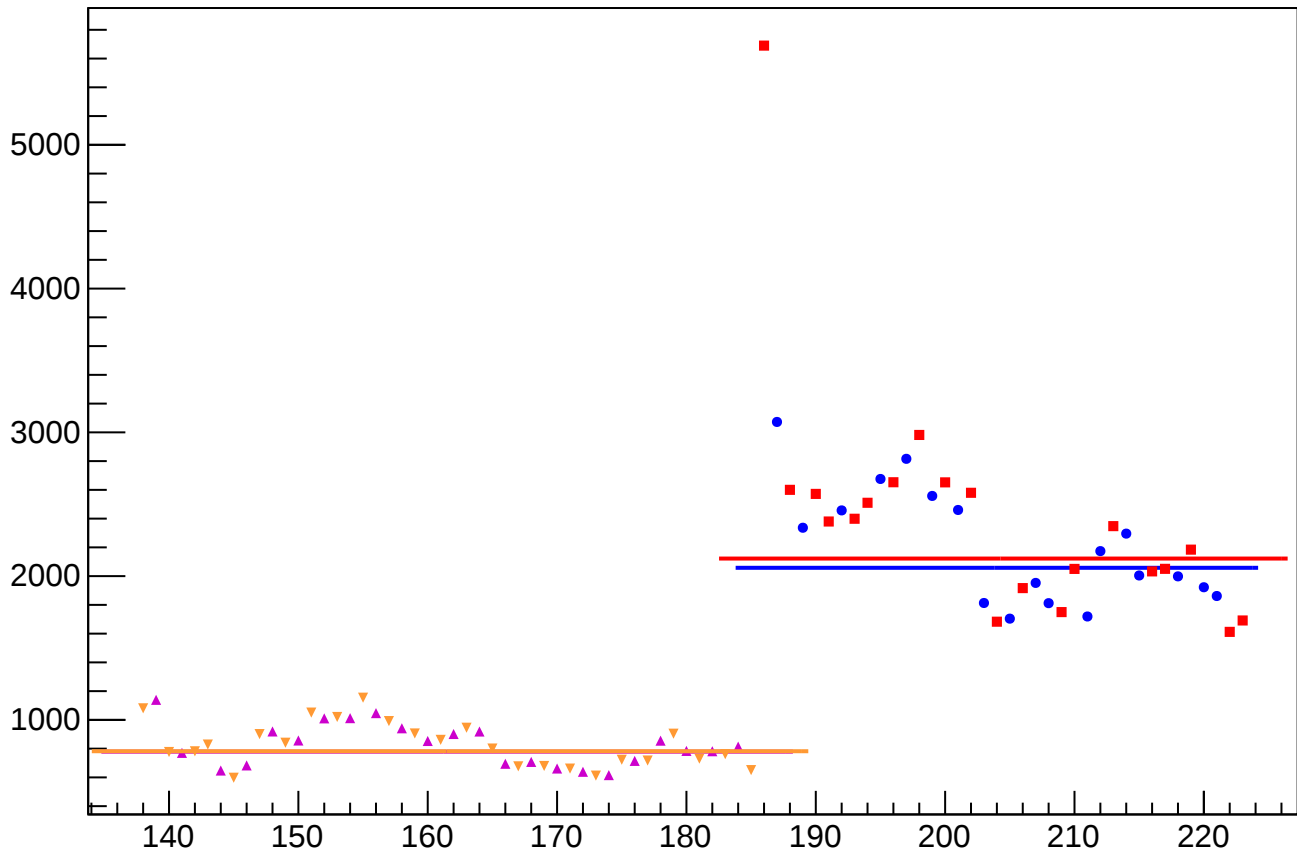
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -1114.288 ± 176.335 χ^2/NDF : 98.2/42

All: -803.516 ± 126.097 χ^2/NDF : 194.2/85

- sign -478.285 ± 180.391 χ^2/NDF : 89.6/42

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2057.892 ± 0.405 $\chi^2/\text{NDF}: 630431.3/17$

Left Out: 782.042 ± 0.131 $\chi^2/\text{NDF}: 1130984.3/24$

Right Out: 2122.229 ± 0.417 $\chi^2/\text{NDF}: 1142663.3/19$

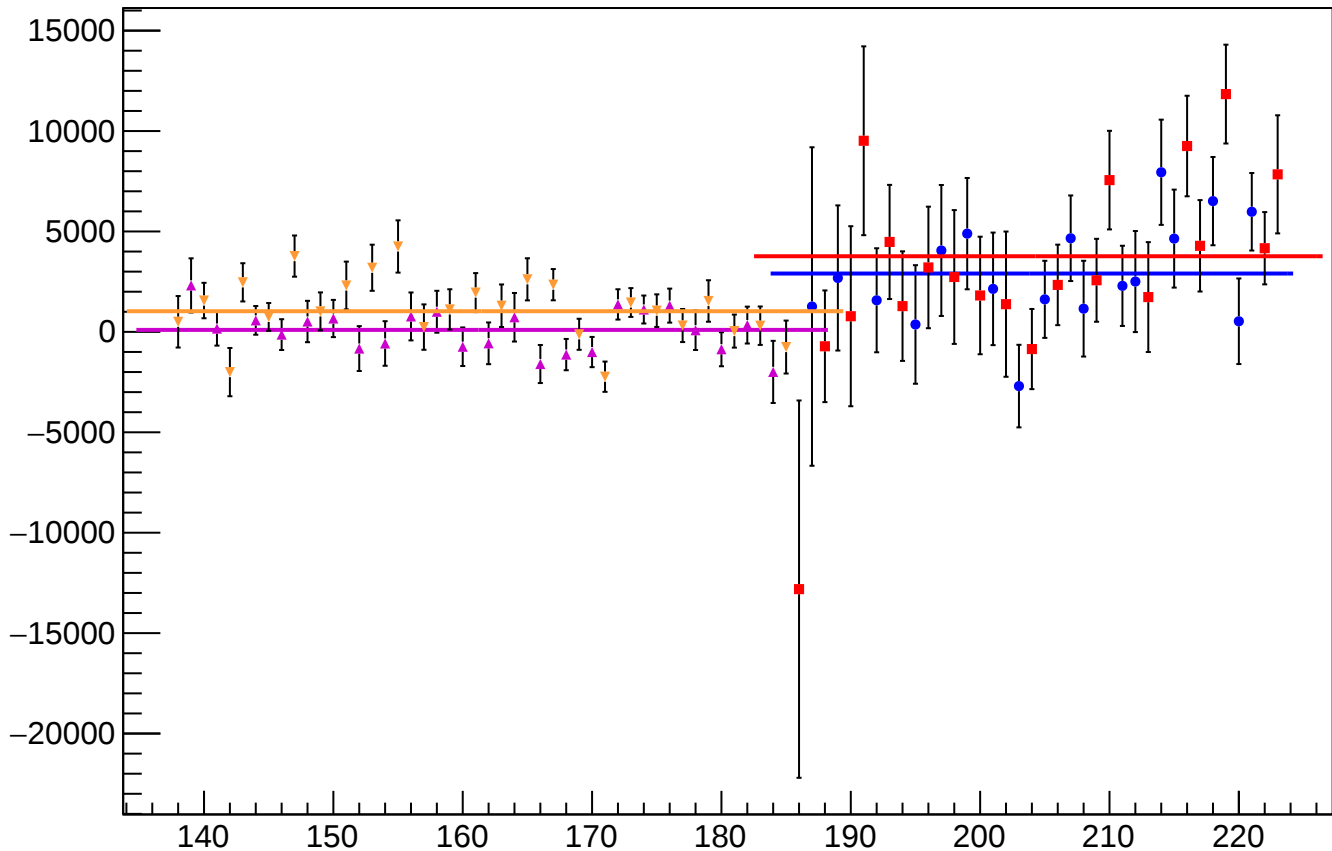
Left In: 778.995 ± 0.134 $\chi^2/\text{NDF}: 980243.4/22$

+ sign 903.020 ± 0.125 $\chi^2/\text{NDF}: 10747969.5/42$

All: 903.942 ± 0.089 $\chi^2/\text{NDF}: 22291602.9/85$

- sign 904.908 ± 0.128 $\chi^2/\text{NDF}: 11543521.2/42$

asym_sam_3748_avg_mean vs Slug



Right In: 2905.186 $\pm$ 574.407 χ^2/NDF : 21.7/17

Left Out: 1028.864 $\pm$ 186.810 χ^2/NDF : 60.2/24

Right Out: 3765.610 $\pm$ 591.046 χ^2/NDF : 36.3/19

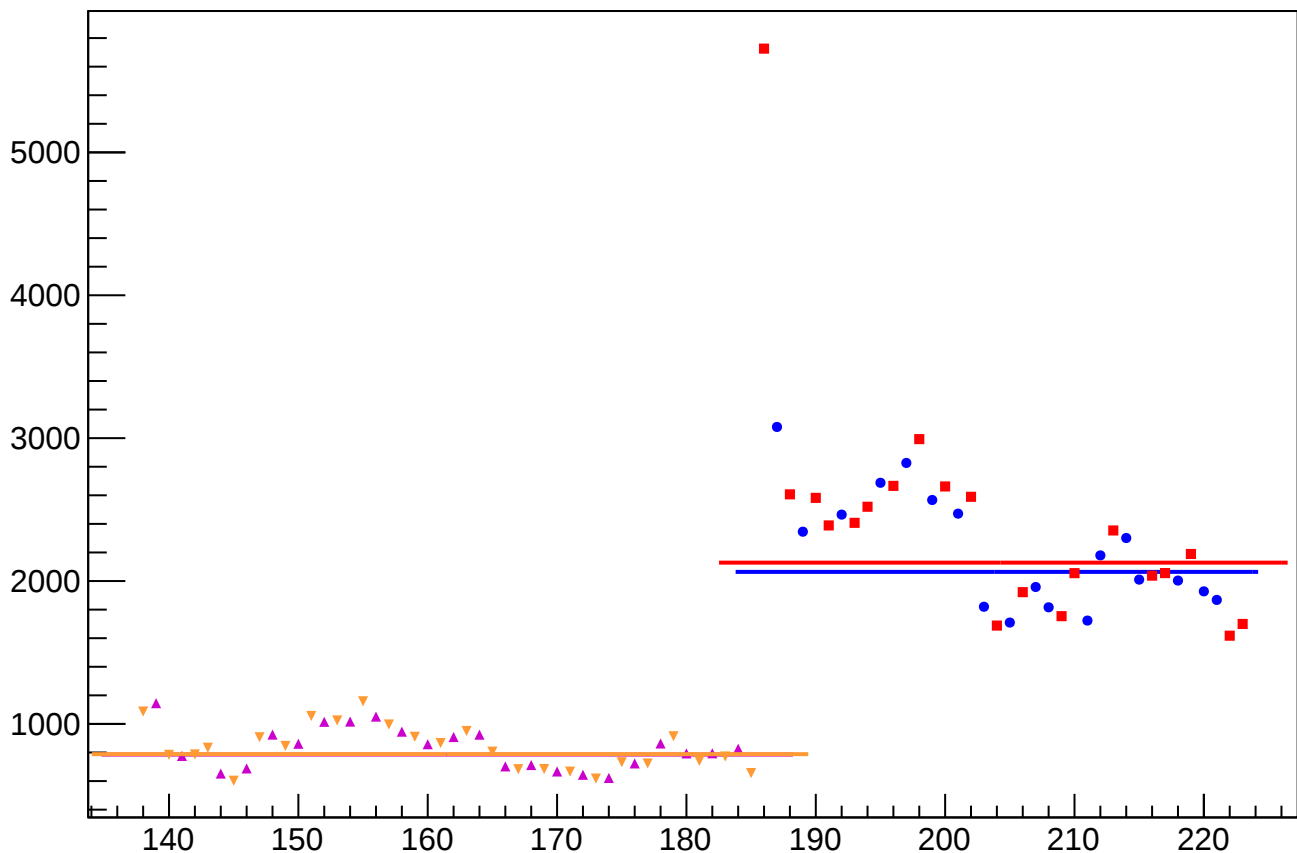
Left In: 98.691 $\pm$ 191.027 χ^2/NDF : 25.4/22

+ sign 1208.339 $\pm$ 177.651 χ^2/NDF : 91.5/42

All: 835.661 $\pm$ 127.049 χ^2/NDF : 197.0/85

- sign 445.507 $\pm$ 181.769 χ^2/NDF : 96.5/42

asym_sam_3748_avg_rms vs Slug



Right In: 2064.133 $\pm$ 0.406 χ^2/NDF : 632871.7/17

Left Out: 788.442 $\pm$ 0.132 χ^2/NDF : 1113741.6/24

Right Out: 2128.813 $\pm$ 0.418 χ^2/NDF : 1145583.6/19

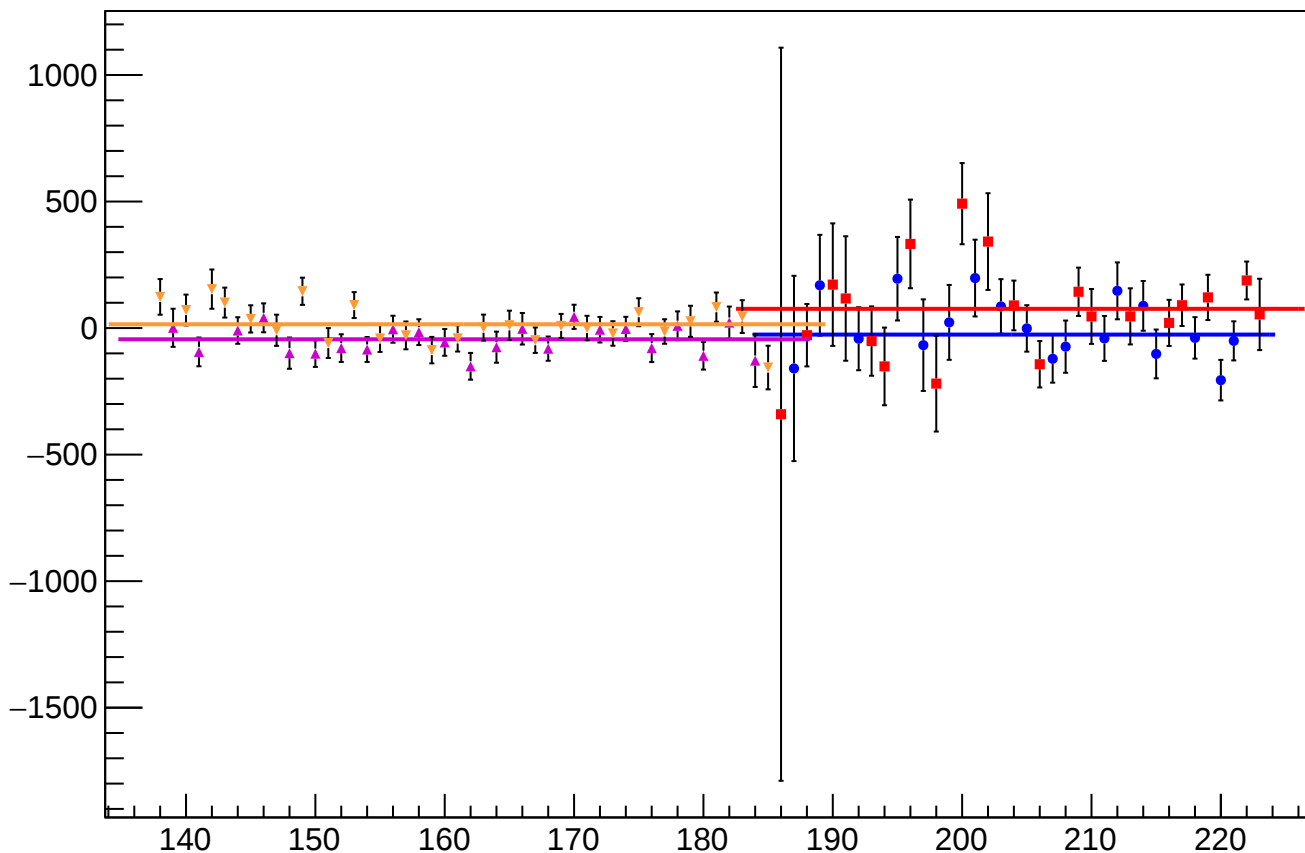
Left In: 785.490 $\pm$ 0.135 χ^2/NDF : 965338.9/22

+ sign 910.465 $\pm$ 0.126 χ^2/NDF : 10667684.4/42

All: 911.479 $\pm$ 0.090 χ^2/NDF : 22132769.0/85

- sign 912.541 $\pm$ 0.129 χ^2/NDF : 11464951.1/42

reg_asym_sam_1526_avg_mean vs Slug



Right In: -25.727 ± 25.359 $\chi^2/\text{NDF}: 17.1/17$

Left Out: 15.099 ± 11.154 $\chi^2/\text{NDF}: 34.2/24$

Right Out: 76.052 ± 26.319 $\chi^2/\text{NDF}: 26.6/19$

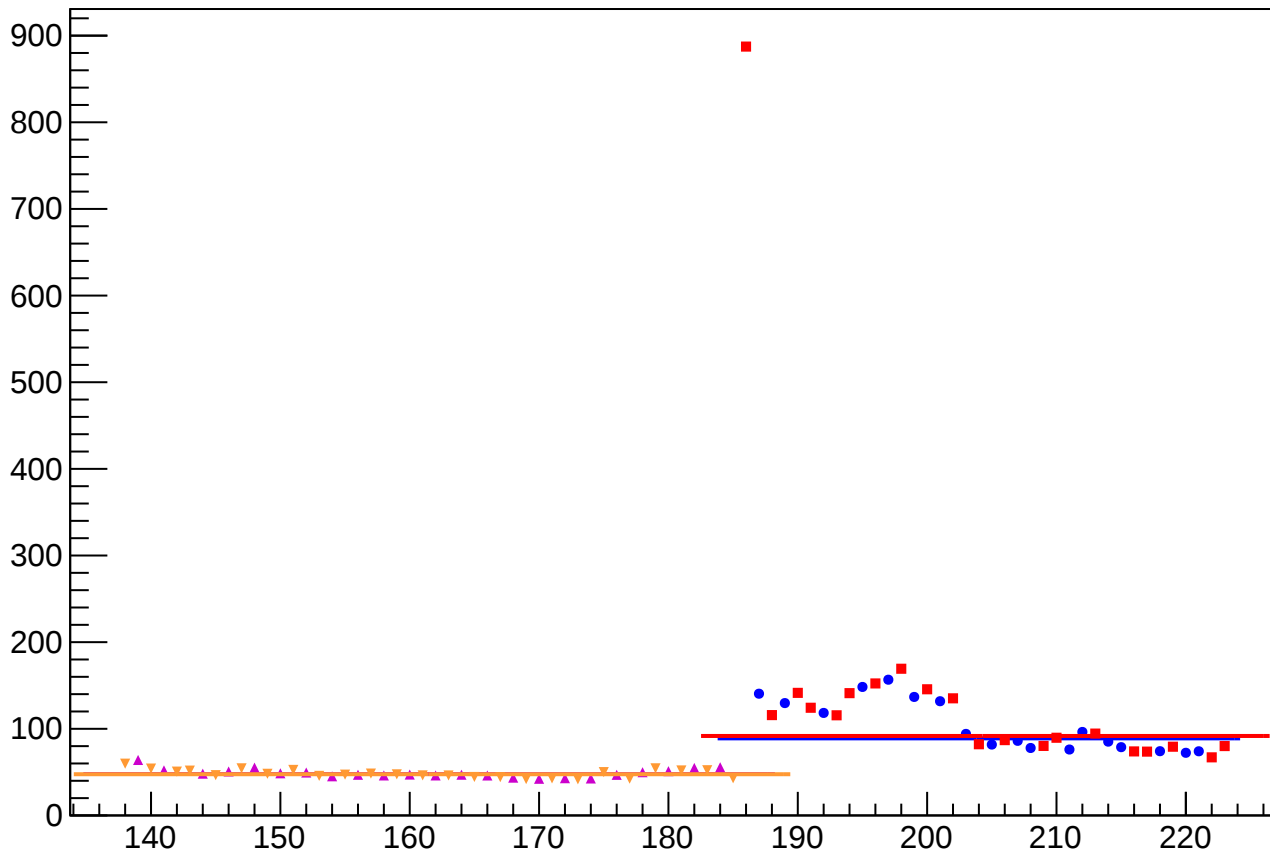
Left In: -44.297 ± 11.530 $\chi^2/\text{NDF}: 22.3/22$

+ sign 8.481 ± 10.210 $\chi^2/\text{NDF}: 53.5/42$

All: -7.656 ± 7.341 $\chi^2/\text{NDF}: 125.1/85$

- sign -24.920 ± 10.561 $\chi^2/\text{NDF}: 66.4/42$

reg_asym_sam_1526_avg_rms vs Slug



Right In: 88.974 $\pm$ 0.018 χ^2 /NDF: 1485752.9/17

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 91.741 $\pm$ 0.019 χ^2 /NDF: 2469887.1/19

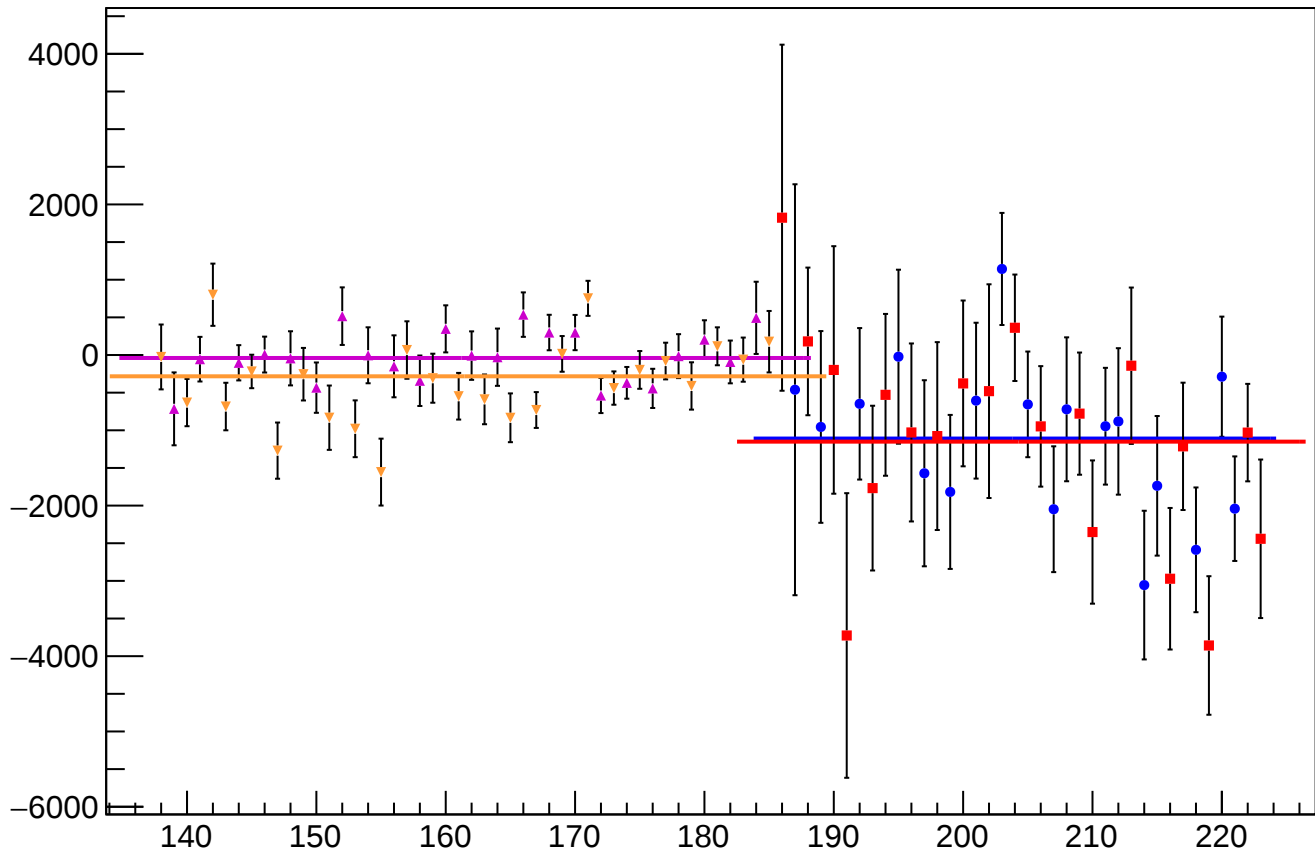
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 54.296 $\pm$ 0.007 χ^2 /NDF: 6262468.2/42

All: 54.594 $\pm$ 0.005 χ^2 /NDF: 13685118.0/85

- sign 54.914 $\pm$ 0.007 χ^2 /NDF: 7419111.2/42

asym_sam_1526_avg_correction_mean vs Slug



Right In: -1109.582 ± 216.143 χ^2/NDF : 23.5/17

Left Out: -282.798 ± 59.690 χ^2/NDF : 66.5/24

Right Out: -1150.610 ± 221.549 χ^2/NDF : 28.4/19

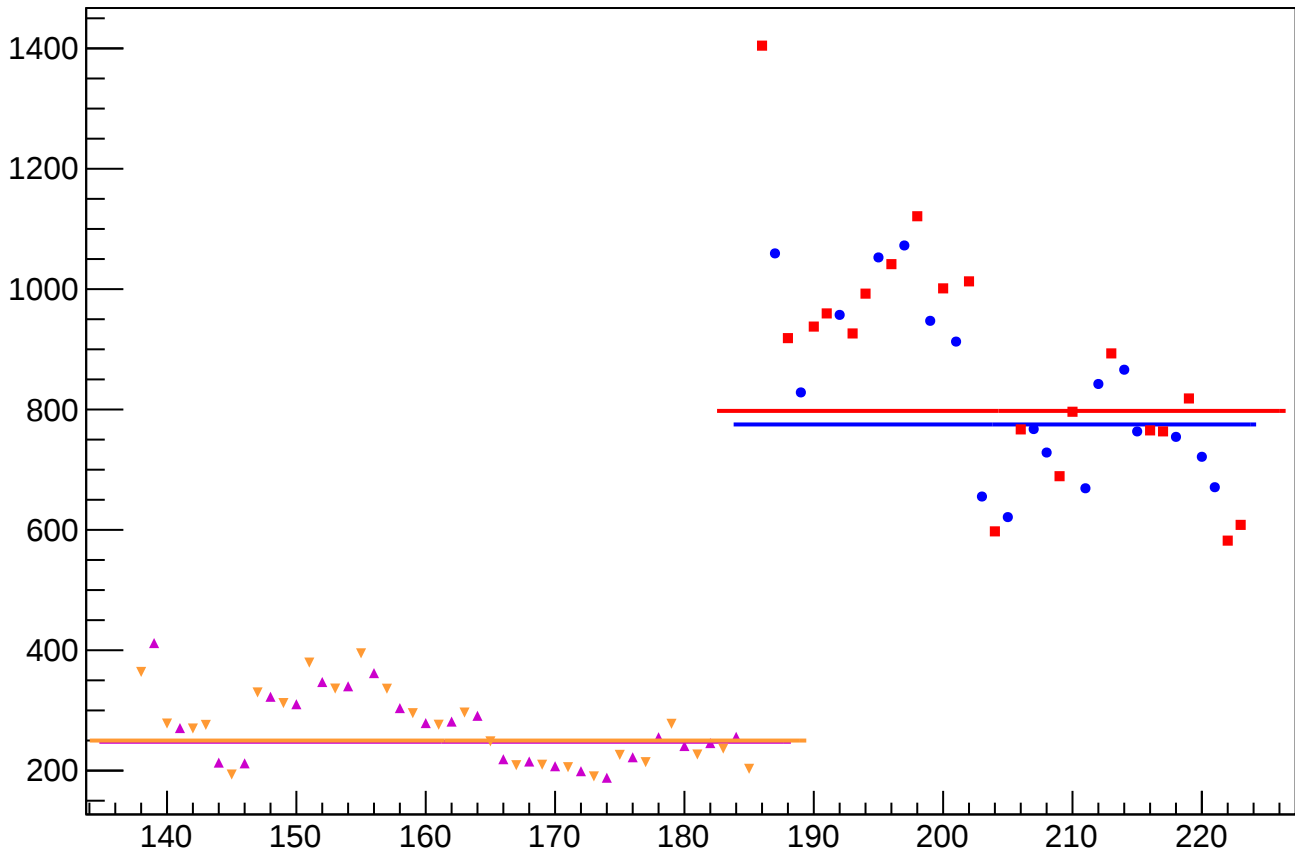
Left In: -39.432 ± 60.759 χ^2/NDF : 27.5/22

+ sign -341.384 ± 57.536 χ^2/NDF : 103.6/42

All: -231.316 ± 41.054 χ^2/NDF : 190.4/85

- sign -117.159 ± 58.595 χ^2/NDF : 79.4/42

asym_sam_1526_avg_correction_rms vs Slug



Right In: 775.154+/-0.153 χ^2/NDF : 686508.6/17

Left Out: 249.956+/-0.042 χ^2/NDF : 1614205.9/24

Right Out: 797.676+/-0.157 χ^2/NDF : 1135414.5/19

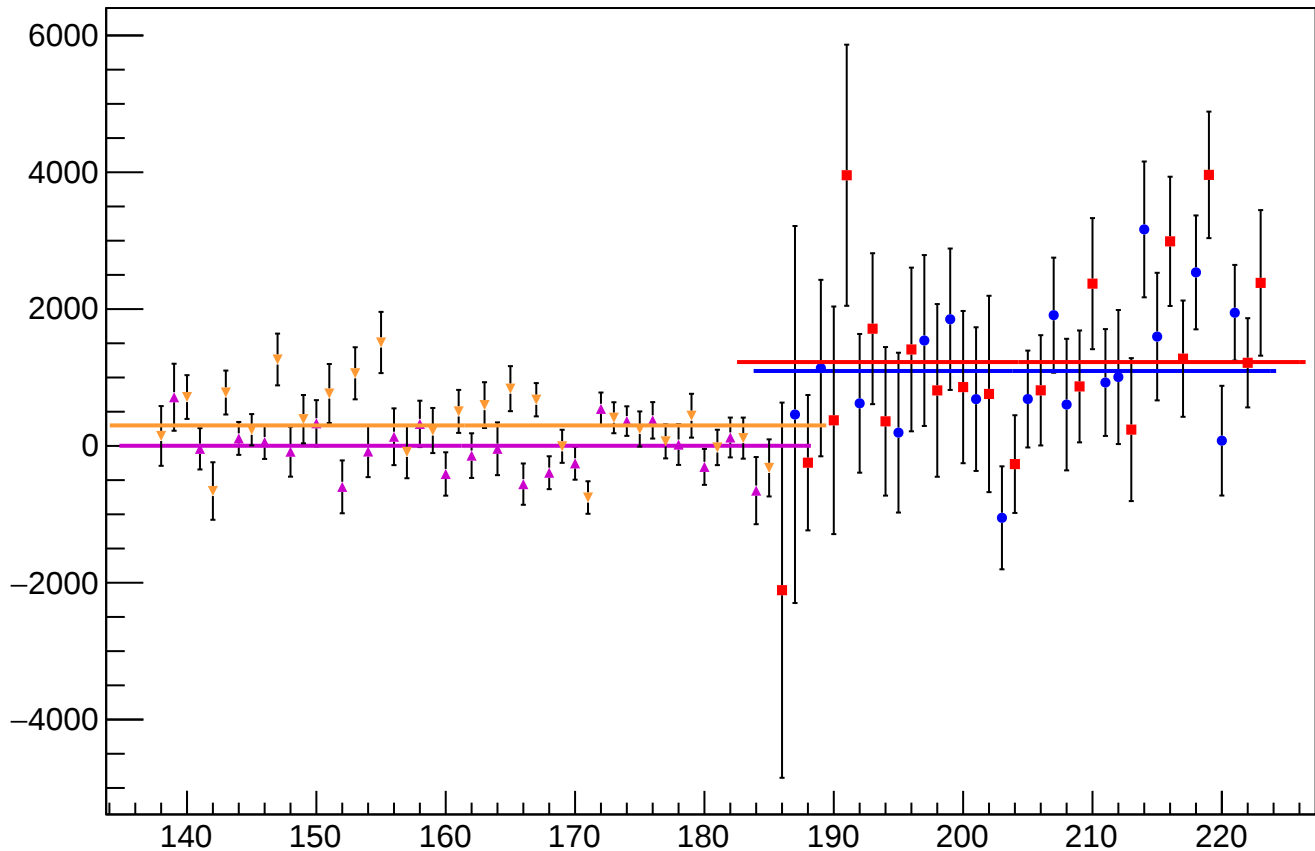
Left In: 247.917+/-0.043 χ^2/NDF : 1410847.5/22

+ sign 287.172+/-0.041 χ^2/NDF : 13272466.8/42

All: 286.780+/-0.029 χ^2/NDF : 27272549.8/85

- sign 286.373+/-0.041 χ^2/NDF : 13999893.5/42

asym_sam_1526_avg_mean vs Slug



Right In: 1095.453 ± 217.887 $\chi^2/\text{NDF}: 22.1/17$

Left Out: 299.562 ± 60.860 $\chi^2/\text{NDF}: 62.5/24$

Right Out: 1225.819 ± 223.658 $\chi^2/\text{NDF}: 27.7/19$

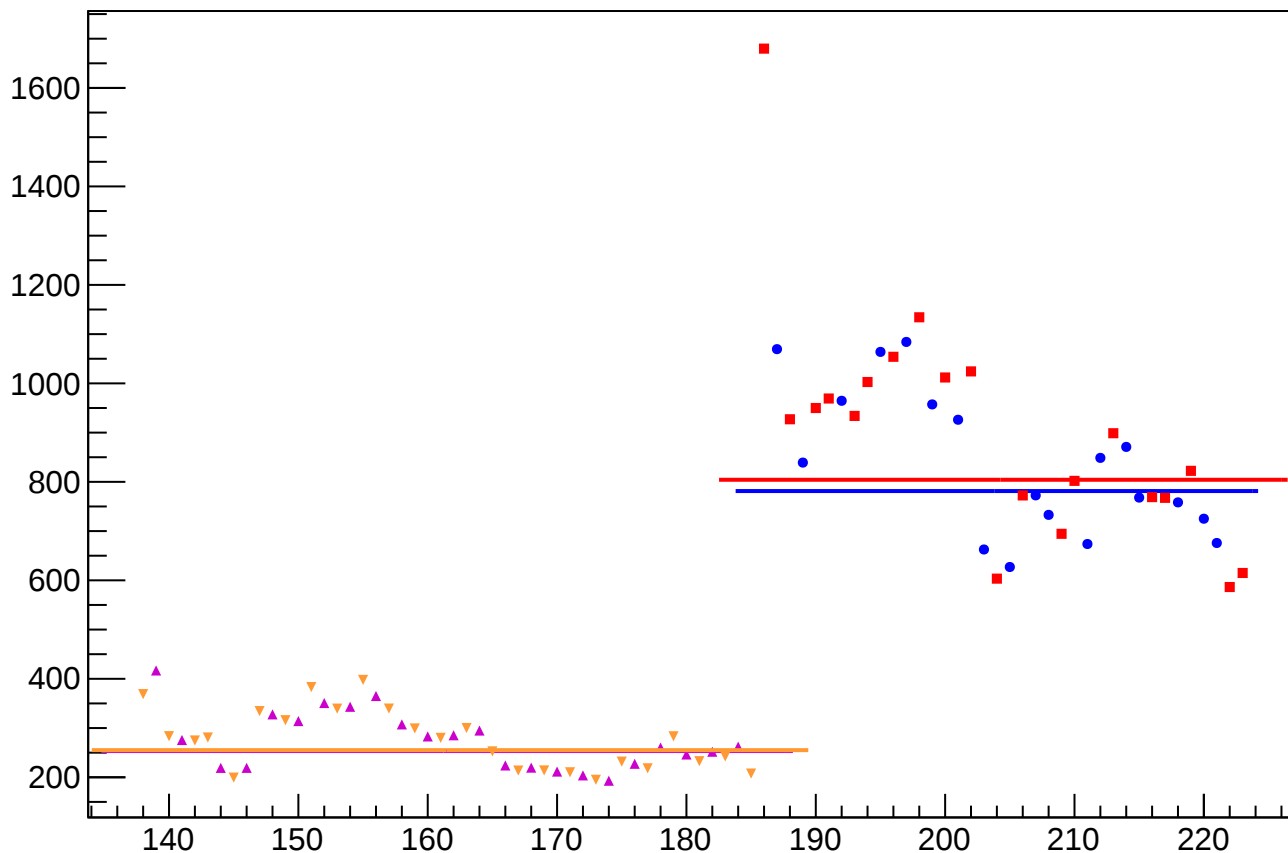
Left In: 2.185 ± 62.005 $\chi^2/\text{NDF}: 29.2/22$

+ sign 357.162 ± 58.616 $\chi^2/\text{NDF}: 97.0/42$

All: 225.906 ± 41.843 $\chi^2/\text{NDF}: 191.9/85$

- sign 89.518 ± 59.751 $\chi^2/\text{NDF}: 84.7/42$

asym_sam_1526_avg_rms vs Slug



Right In: 781.322 ± 0.154 $\chi^2/\text{NDF}: 692715.5/17$

Left Out: 255.135 ± 0.043 $\chi^2/\text{NDF}: 1542039.5/24$

Right Out: 804.224 ± 0.158 $\chi^2/\text{NDF}: 1207512.8/19$

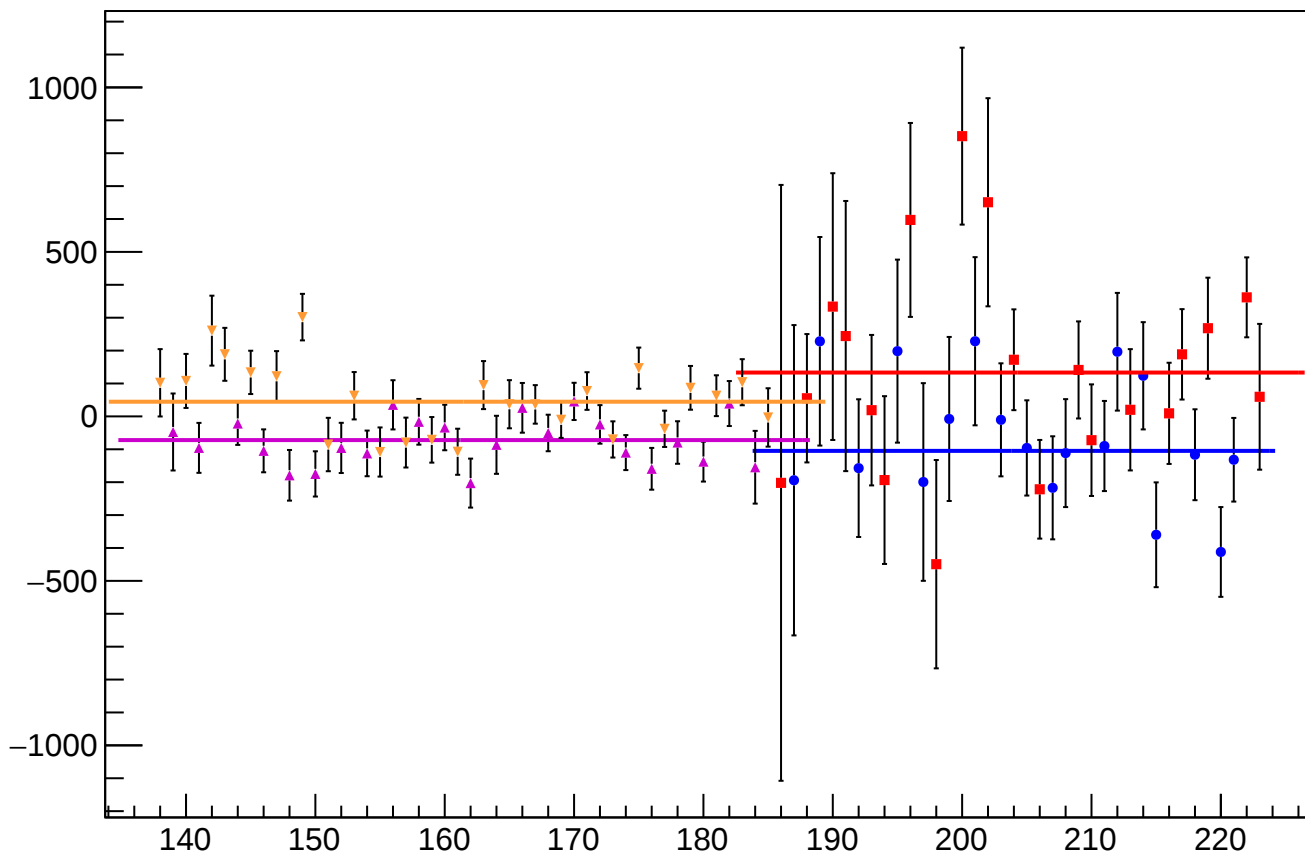
Left In: 253.287 ± 0.044 $\chi^2/\text{NDF}: 1341662.3/22$

+ sign 293.216 ± 0.041 $\chi^2/\text{NDF}: 13054579.2/42$

All: 292.918 ± 0.030 $\chi^2/\text{NDF}: 26873444.4/85$

- sign 292.609 ± 0.042 $\chi^2/\text{NDF}: 13818759.7/42$

reg_asym_sam_3726_avg_mean vs Slug



Right In: -104.839 ± 41.462 $\chi^2/\text{NDF}: 17.7/17$

Left Out: 44.602 ± 13.824 $\chi^2/\text{NDF}: 53.9/24$

Right Out: 133.262 ± 42.945 $\chi^2/\text{NDF}: 30.9/19$

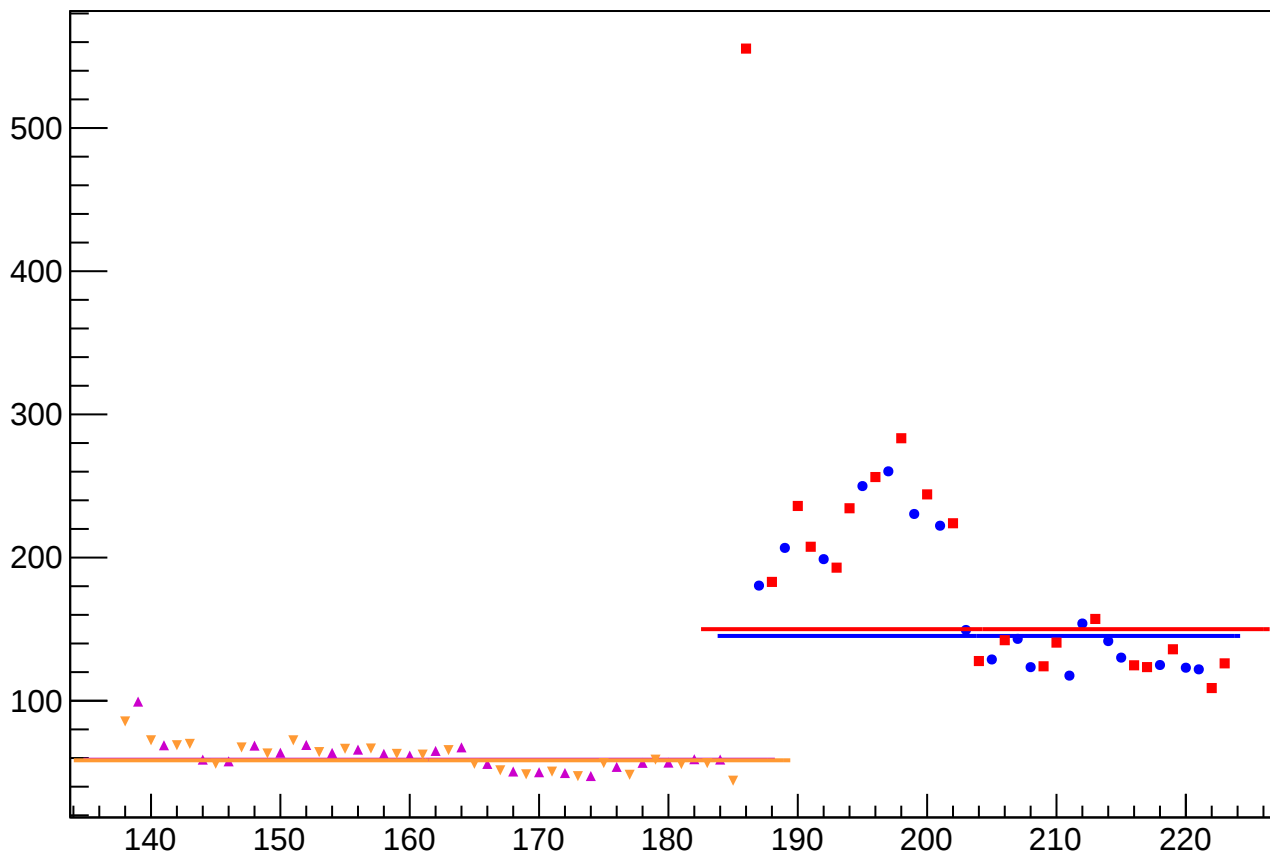
Left In: -72.037 ± 14.296 $\chi^2/\text{NDF}: 25.3/22$

+ sign 29.651 ± 13.115 $\chi^2/\text{NDF}: 83.3/42$

All: -9.583 ± 9.428 $\chi^2/\text{NDF}: 178.6/85$

- sign -51.555 ± 13.564 $\chi^2/\text{NDF}: 76.8/42$

reg_asym_sam_3726_avg_rms vs Slug



Right In: 145.272 $\pm$ 0.029 χ^2 /NDF: 1540180.9/17

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 150.011 $\pm$ 0.030 χ^2 /NDF: 2361738.2/19

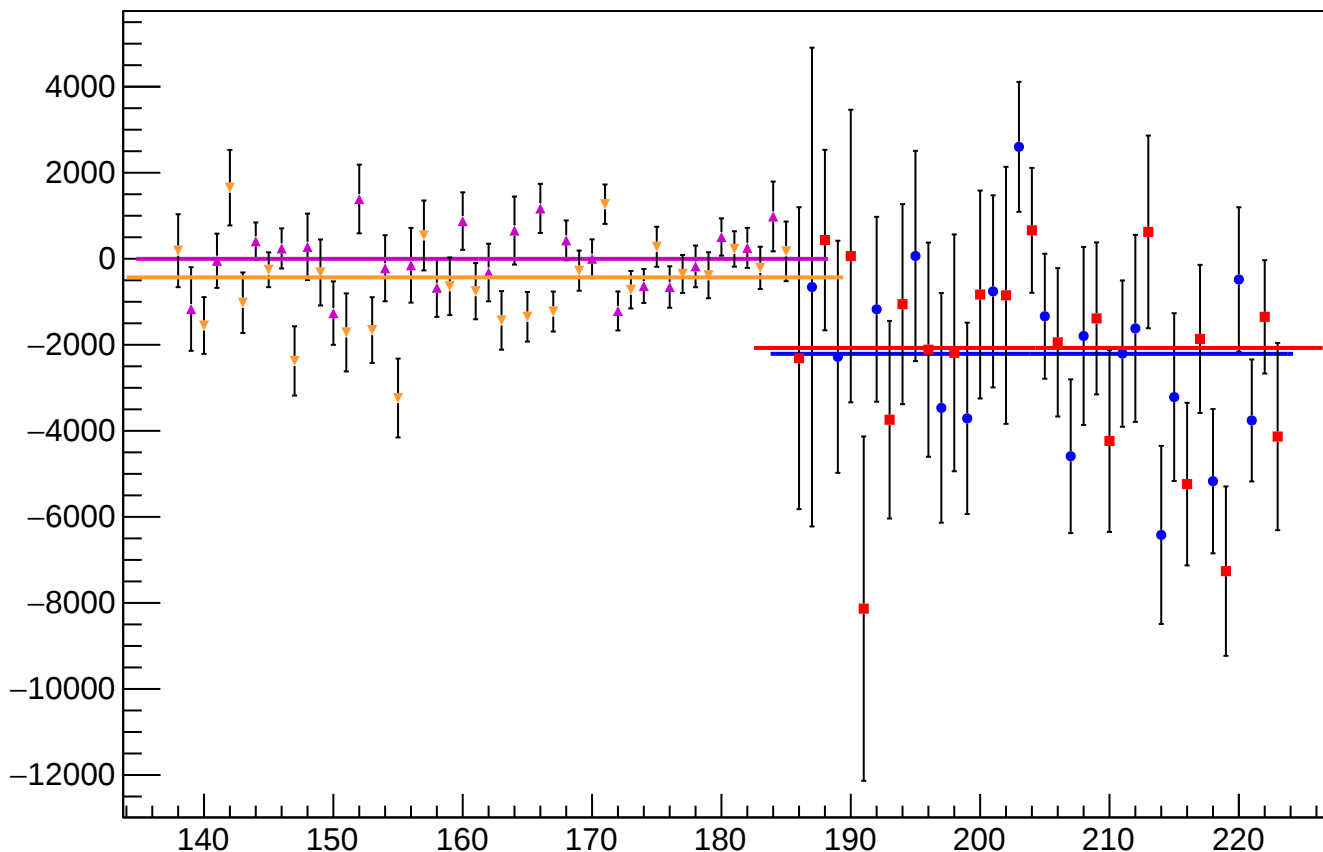
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 67.112 $\pm$ 0.009 χ^2 /NDF: 10227647.3/42

All: 67.510 $\pm$ 0.007 χ^2 /NDF: 21388087.2/85

- sign 67.936 $\pm$ 0.010 χ^2 /NDF: 11156626.4/42

asym_sam_3726_avg_correction_mean vs Slug



Right In: -2209.754 ± 455.626 χ^2/NDF : 24.4/17

Left Out: -432.330 ± 114.408 χ^2/NDF : 59.4/24

Right Out: -2072.933 ± 464.974 χ^2/NDF : 22.4/19

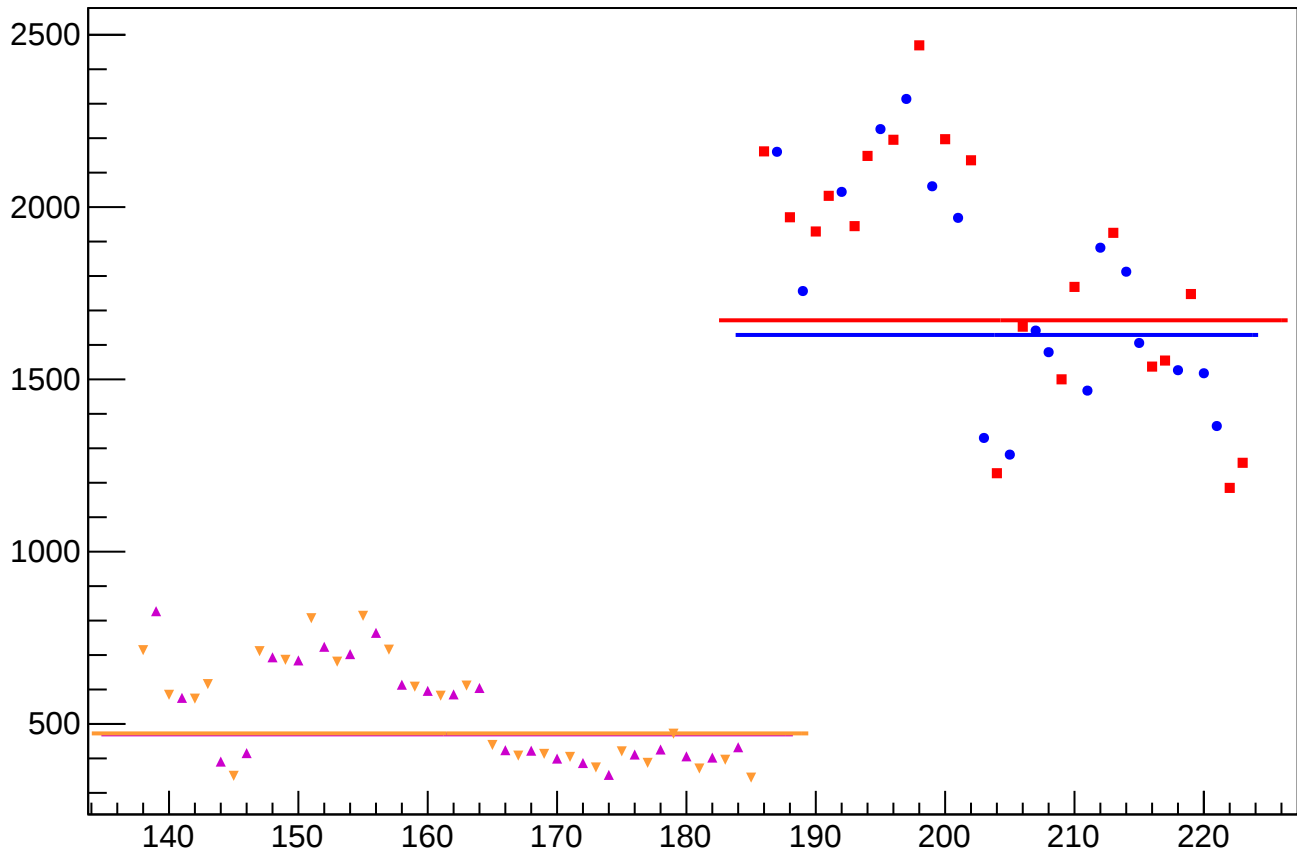
Left In: -1.825 ± 116.459 χ^2/NDF : 32.3/22

+ sign -537.753 ± 110.963 χ^2/NDF : 98.1/42

All: -334.622 ± 79.163 χ^2/NDF : 178.4/85

- sign -124.080 ± 112.969 χ^2/NDF : 73.4/42

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1628.958 $\pm$ 0.322 χ^2 /NDF: 810955.9/17

Left Out: 472.569 $\pm$ 0.081 χ^2 /NDF: 2508168.9/24

Right Out: 1671.458 $\pm$ 0.329 χ^2 /NDF: 1222518.4/19

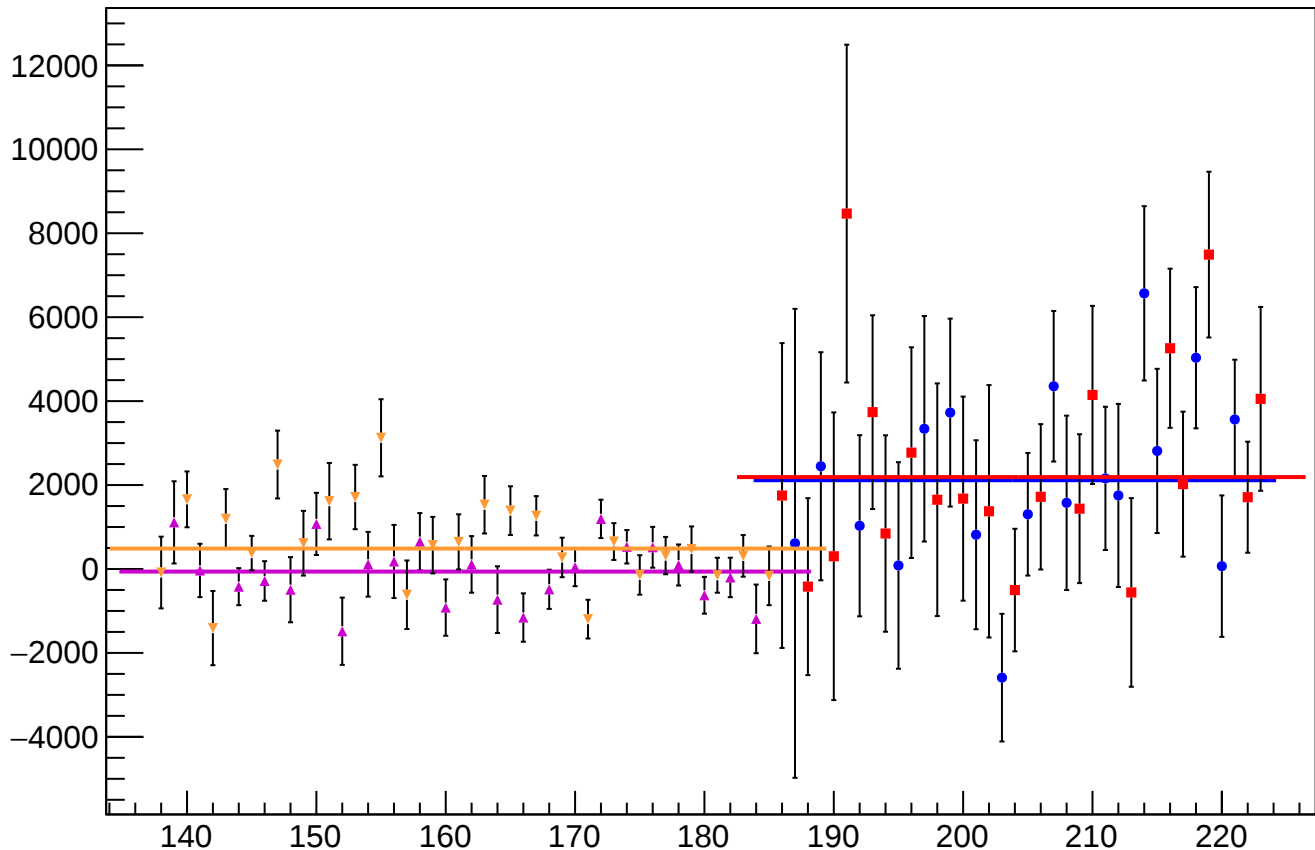
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF: 2116885.7/22

+ sign 541.157 $\pm$ 0.078 χ^2 /NDF: 15438129.2/42

All: 540.930 $\pm$ 0.056 χ^2 /NDF: 31347633.6/85

- sign 540.696 $\pm$ 0.080 χ^2 /NDF: 15909487.5/42

asym_sam_3726_avg_mean vs Slug



Right In: 2114.787 $\pm$ 457.828 χ^2 /NDF: 23.8/17

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: 2189.818 $\pm$ 467.458 χ^2 /NDF: 22.0/19

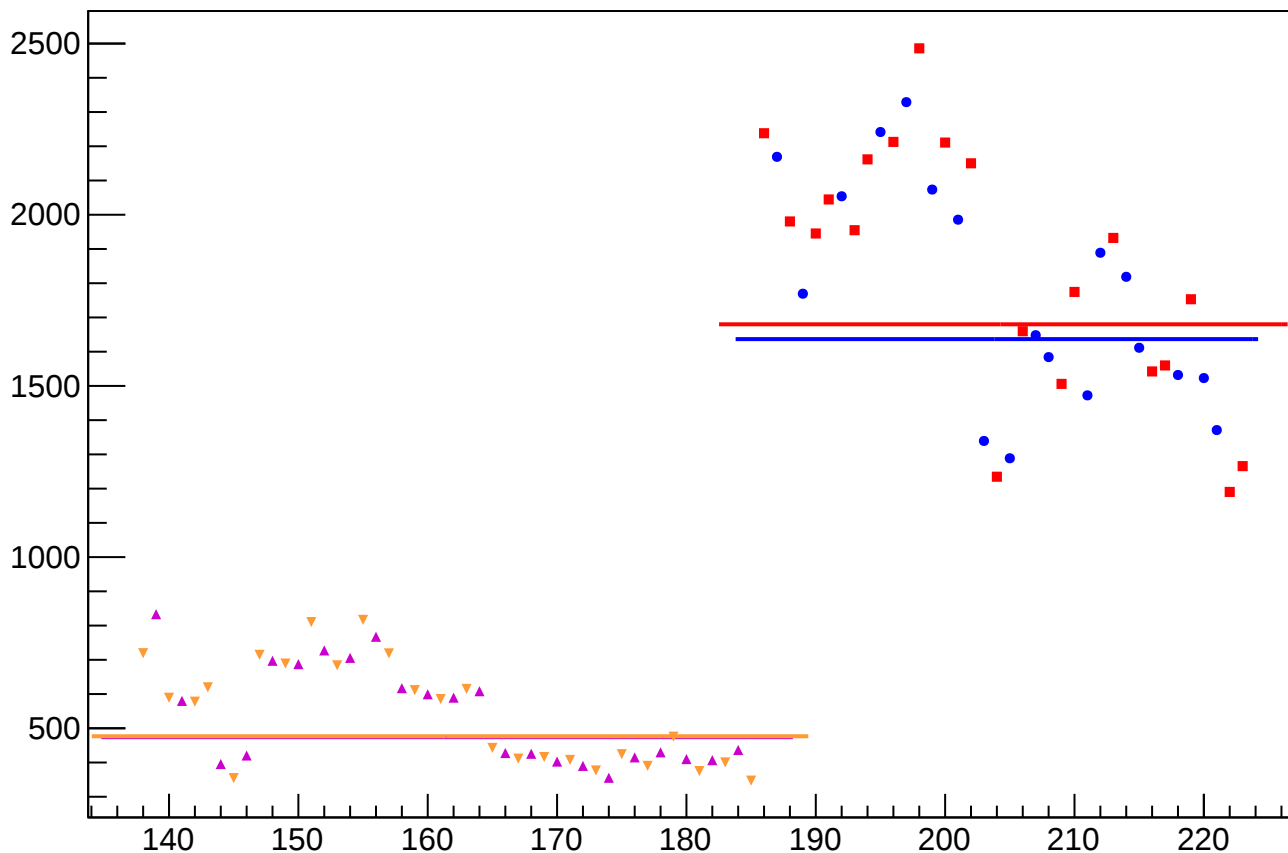
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 583.823 $\pm$ 111.851 χ^2 /NDF: 91.8/42

All: 332.537 $\pm$ 79.808 χ^2 /NDF: 177.0/85

- sign 71.921 $\pm$ 113.909 χ^2 /NDF: 74.9/42

asym_sam_3726_avg_rms vs Slug



Right In: 1636.735 $\pm$ 0.324 χ^2/NDF : 814182.0/17

Left Out: 476.690 $\pm$ 0.082 χ^2/NDF : 2472737.6/24

Right Out: 1679.982 $\pm$ 0.331 χ^2/NDF : 1235898.4/19

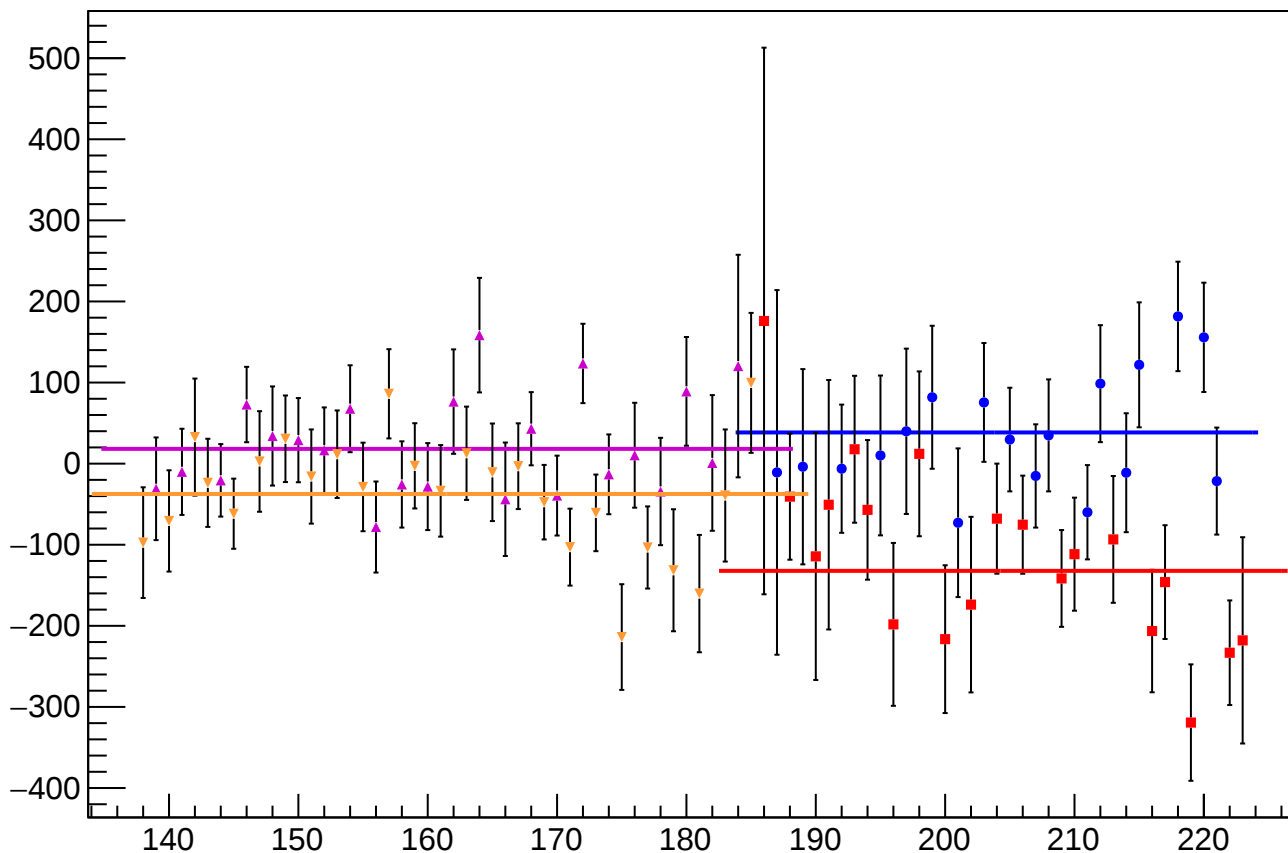
Left In: 473.983 $\pm$ 0.083 χ^2/NDF : 2087113.7/22

+ sign 545.929 $\pm$ 0.079 χ^2/NDF : 15360816.5/42

All: 545.764 $\pm$ 0.056 χ^2/NDF : 31205234.9/85

- sign 545.593 $\pm$ 0.081 χ^2/NDF : 15844409.6/42

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 38.462 ± 17.975 χ^2/NDF : 16.8/17

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -132.205 ± 18.463 χ^2/NDF : 22.3/19

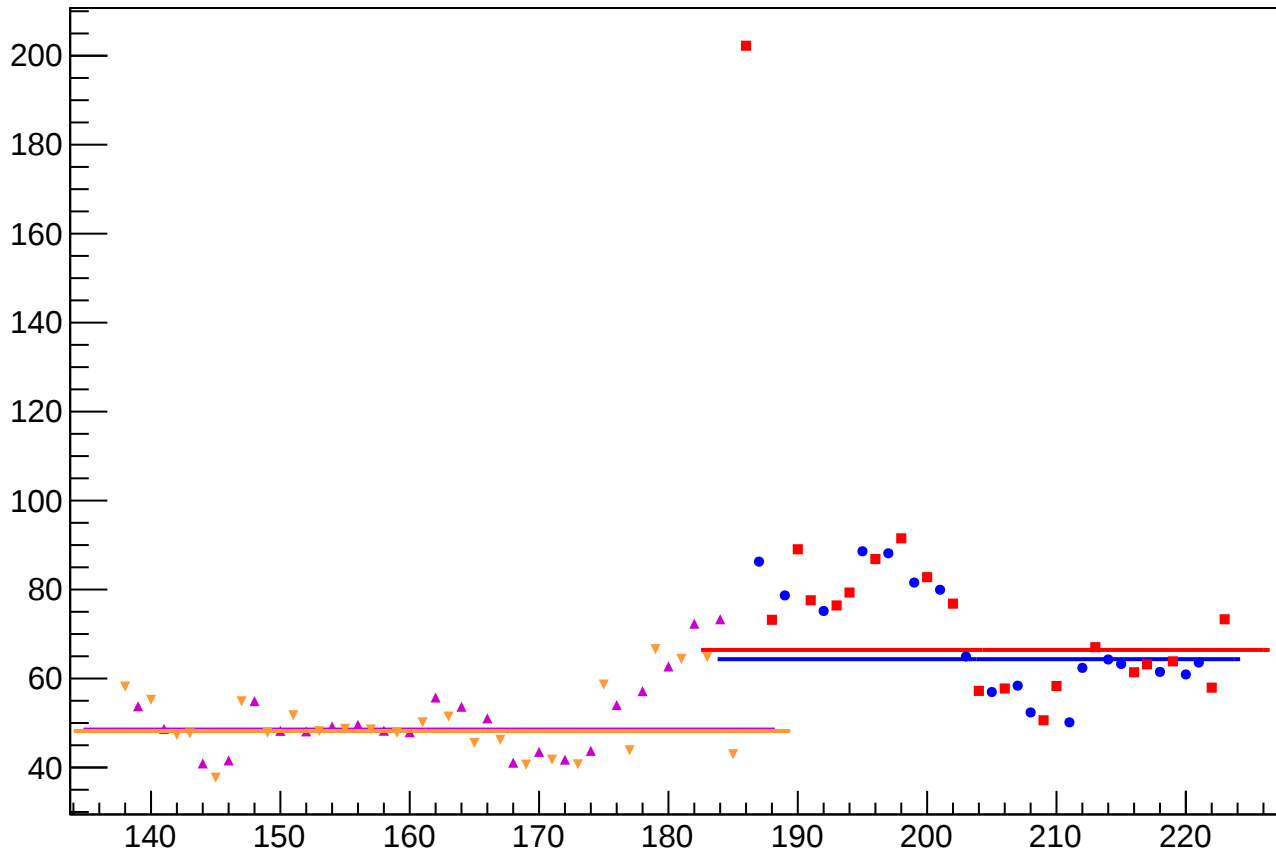
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -15.676 ± 9.621 χ^2/NDF : 60.0/42

All: -20.356 ± 6.912 χ^2/NDF : 152.9/85

- sign -25.347 ± 9.936 χ^2/NDF : 92.5/42

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 64.350 $\pm$ 0.013 χ^2 /NDF: 684031.2/17

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 66.426 $\pm$ 0.013 χ^2 /NDF: 1053224.7/19

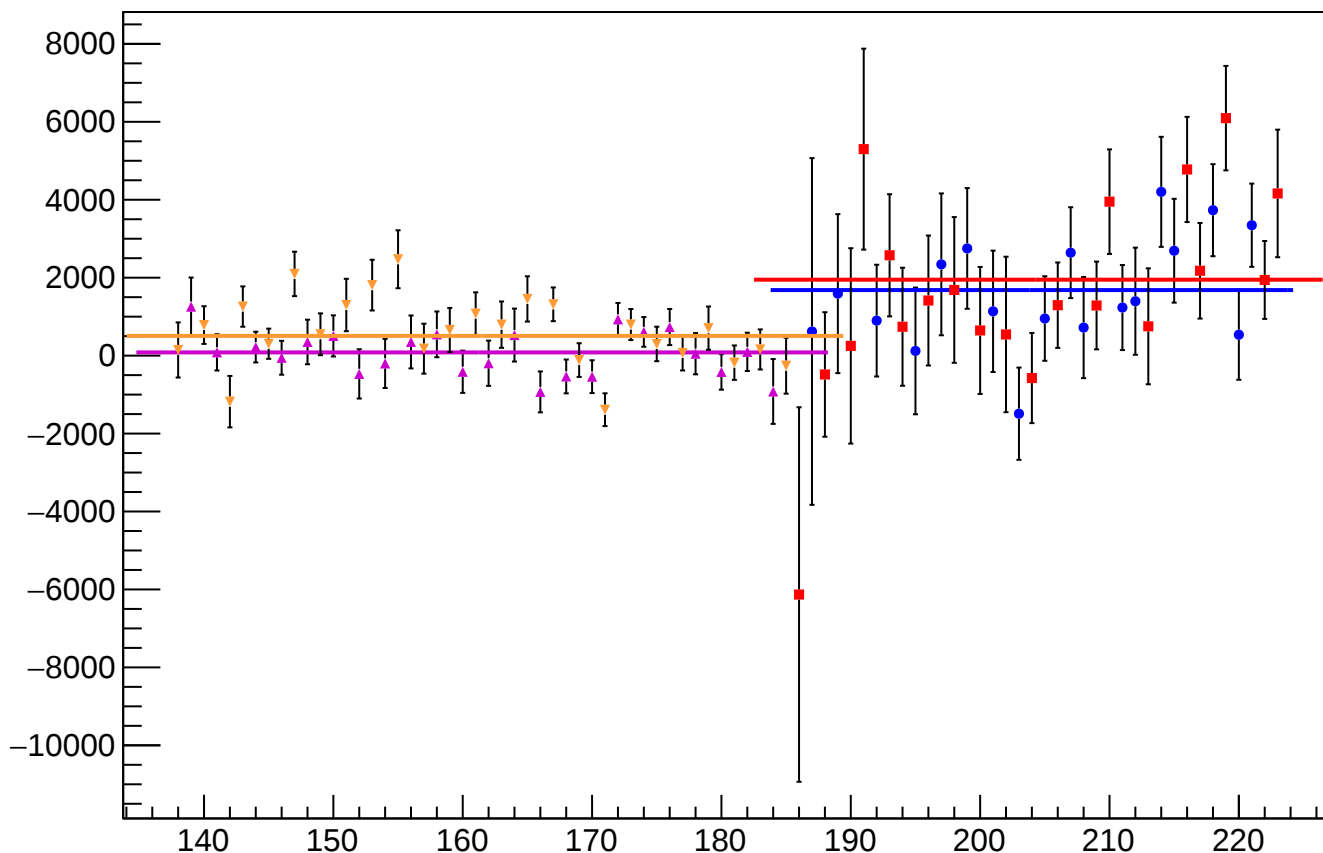
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 52.826 $\pm$ 0.007 χ^2 /NDF: 2586222.3/42

All: 53.254 $\pm$ 0.005 χ^2 /NDF: 5658264.4/85

- sign 53.710 $\pm$ 0.007 χ^2 /NDF: 3063879.4/42

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1682.147 ± 316.909 χ^2/NDF : 21.3/17

Left Out: 506.205 ± 103.468 χ^2/NDF : 65.7/24

Right Out: 1948.703 ± 326.461 χ^2/NDF : 33.5/19

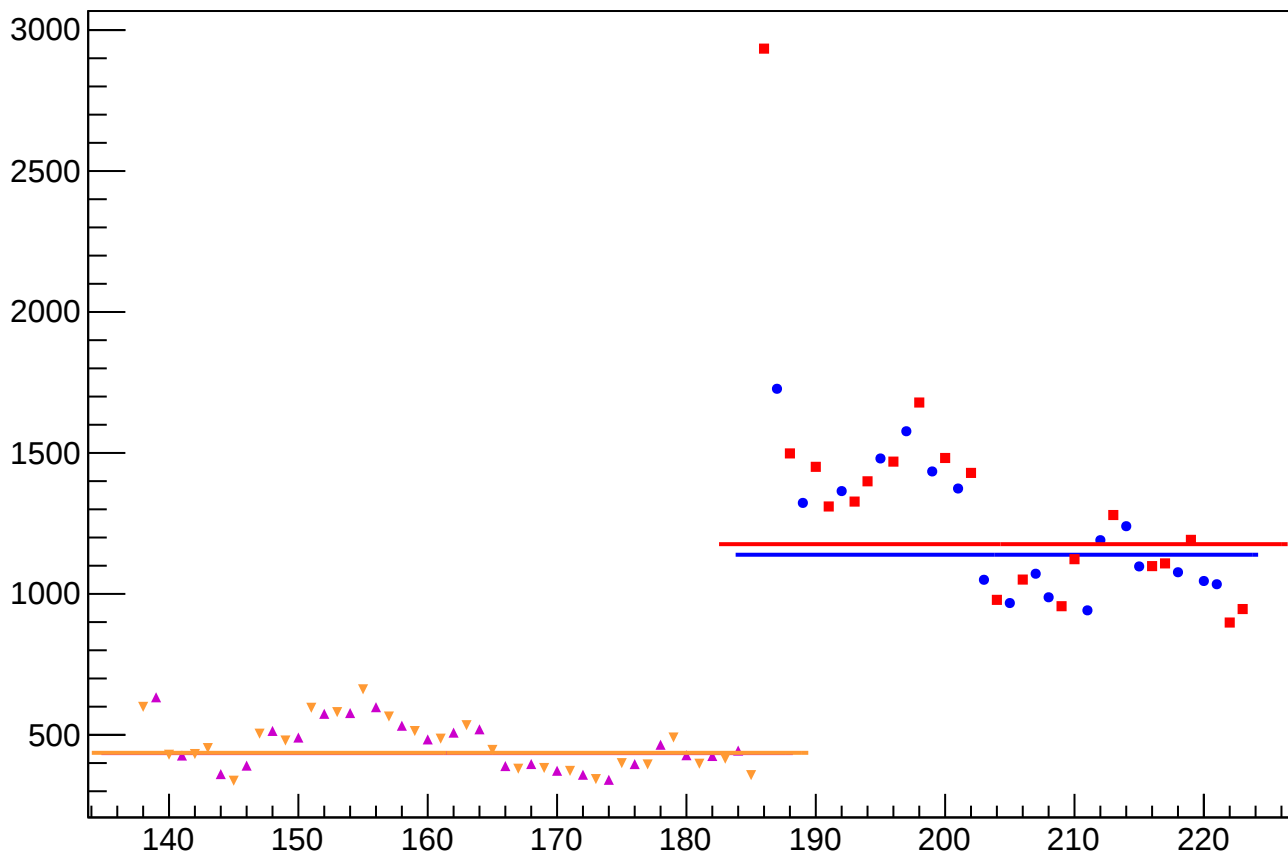
Left In: 82.421 ± 105.935 χ^2/NDF : 25.3/22

+ sign 619.481 ± 98.358 χ^2/NDF : 99.4/42

All: 444.186 ± 70.385 χ^2/NDF : 194.4/85

- sign 260.214 ± 100.763 χ^2/NDF : 88.4/42

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1138.933+/-0.224 χ^2/NDF : 636300.0/17

Left Out: 436.301+/-0.073 χ^2/NDF : 1179348.4/24

Right Out: 1176.444+/-0.231 χ^2/NDF : 1129874.8/19

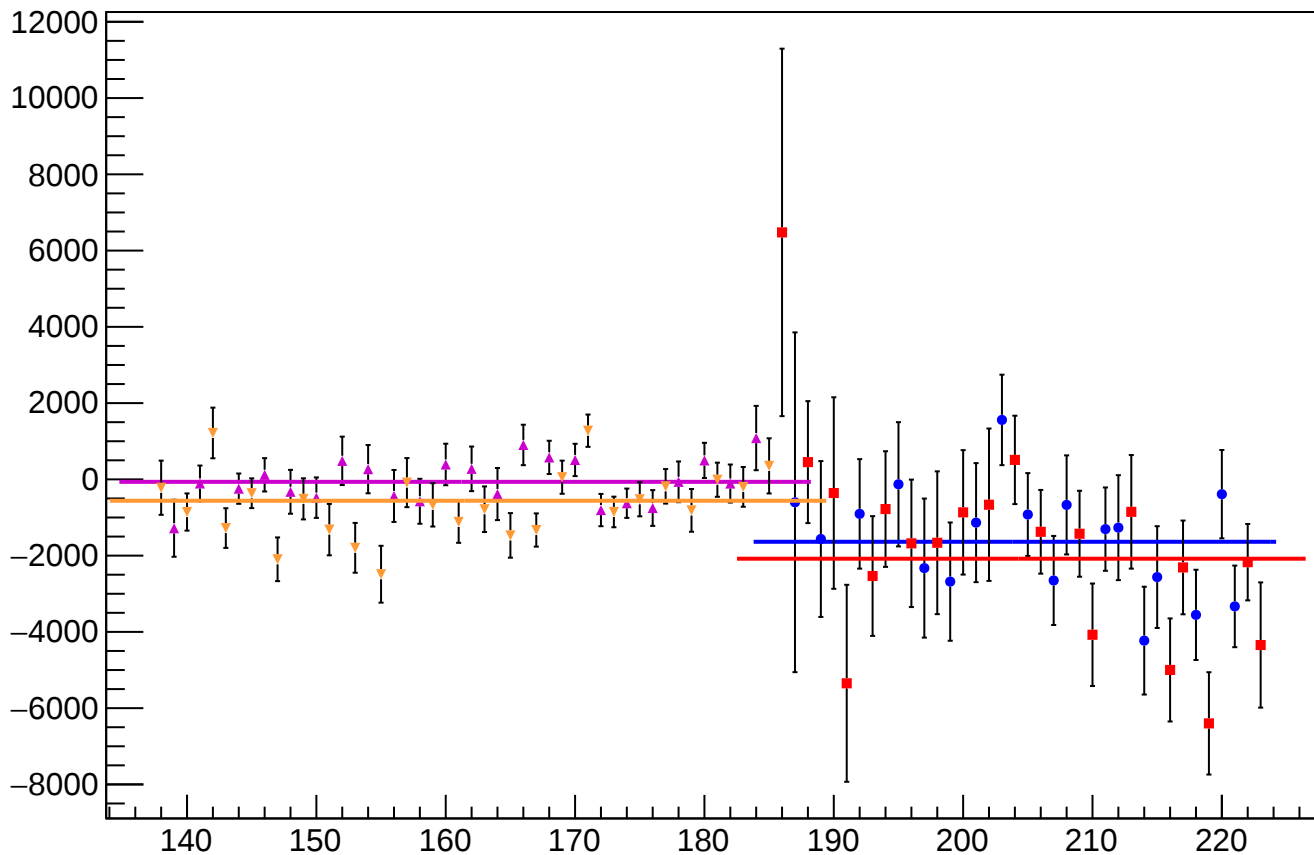
Left In: 435.275+/-0.075 χ^2/NDF : 1027713.1/22

+ sign 503.985+/-0.070 χ^2/NDF : 10700051.6/42

All: 504.911+/-0.050 χ^2/NDF : 22184582.6/85

- sign 505.883+/-0.071 χ^2/NDF : 11484167.3/42

asym_sam_15_48_dd_mean vs Slug



Right In: -1636.591 ± 317.451 χ^2/NDF : 21.2/17

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -2080.475 ± 327.028 χ^2/NDF : 35.3/19

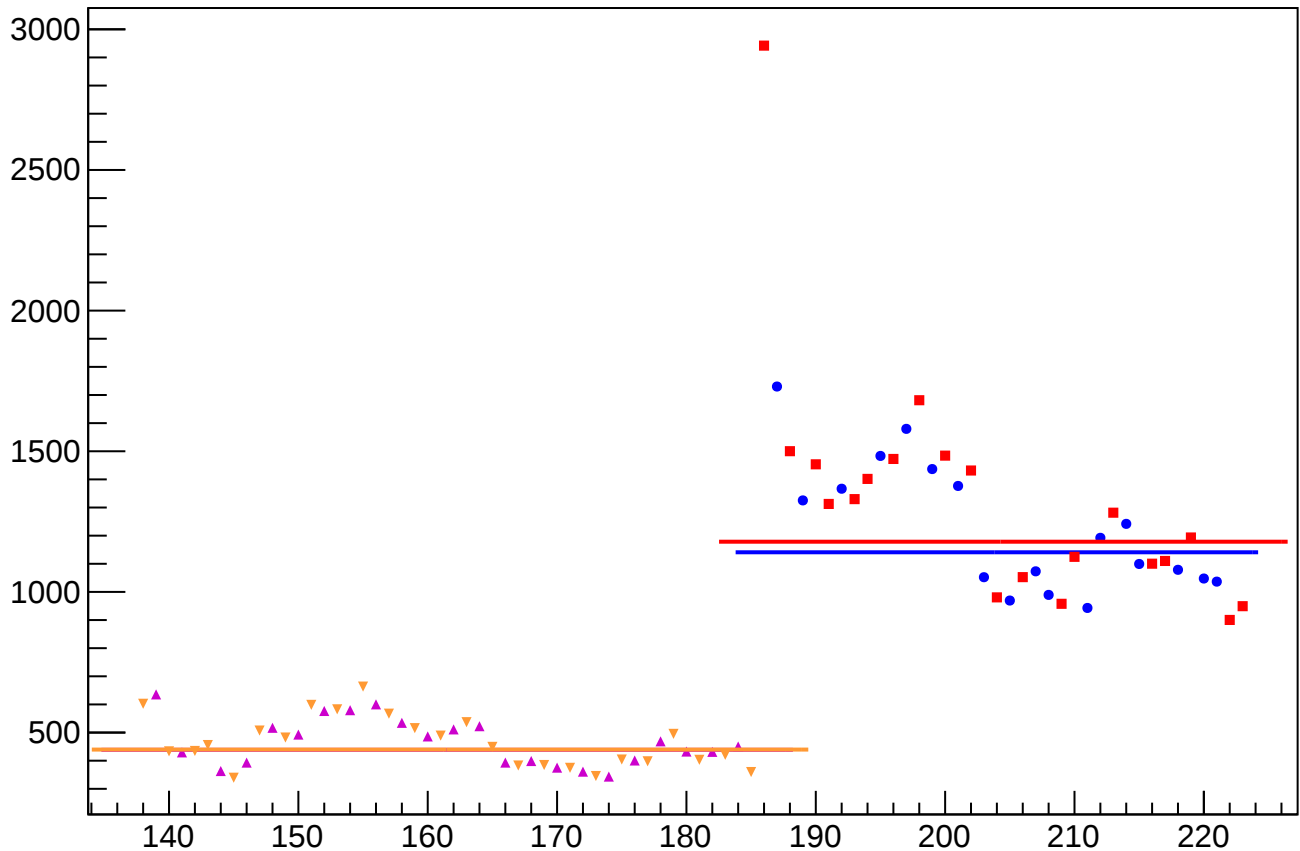
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -665.342 ± 99.009 χ^2/NDF : 93.3/42

All: -466.896 ± 70.855 χ^2/NDF : 196.4/85

- sign -258.570 ± 101.444 χ^2/NDF : 94.8/42

asym_sam_15_48_dd_rms vs Slug



Right In: 1140.888 $\pm$ 0.224 χ^2 /NDF: 636430.4/17

Left Out: 439.527 $\pm$ 0.074 χ^2 /NDF: 1163352.8/24

Right Out: 1178.503 $\pm$ 0.231 χ^2 /NDF: 1129249.7/19

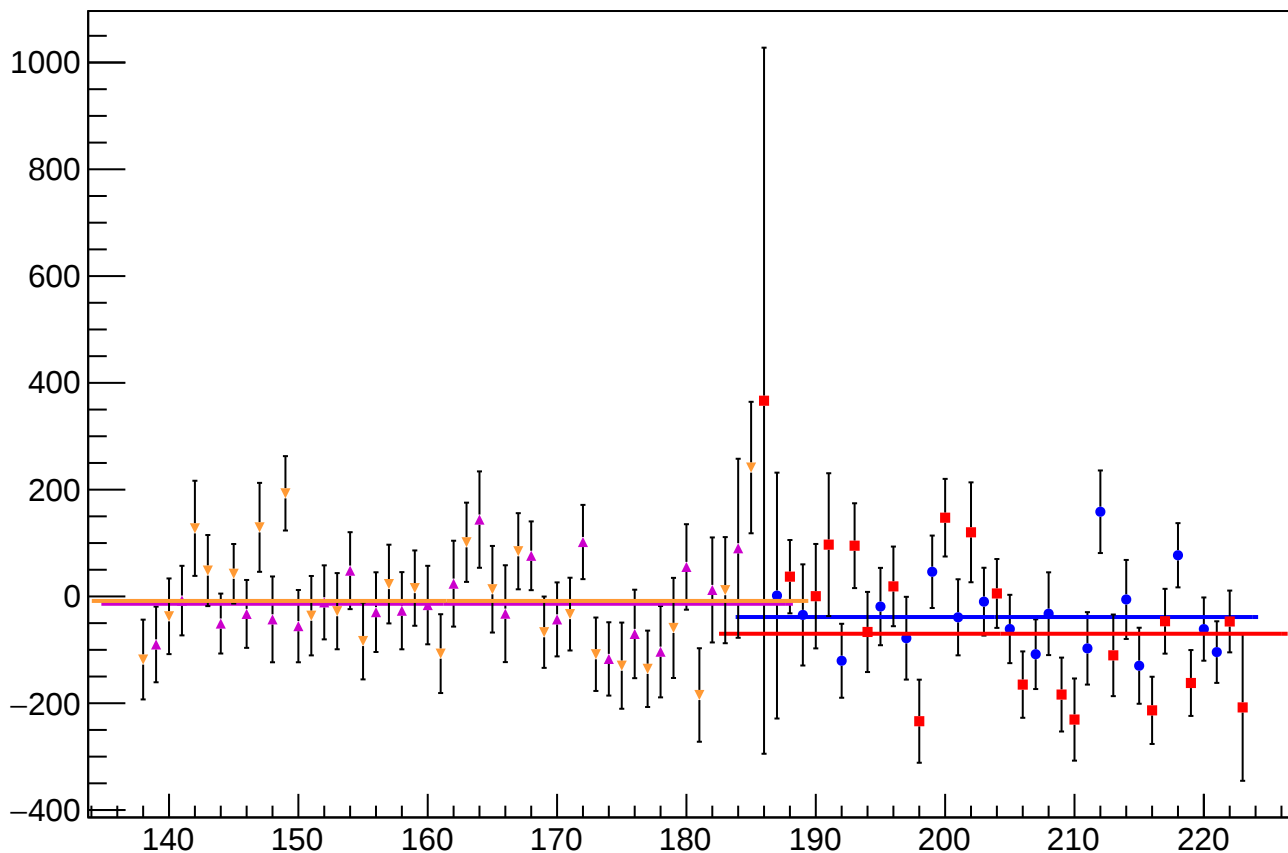
Left In: 438.548 $\pm$ 0.075 χ^2 /NDF: 1013071.4/22

+ sign 507.751 $\pm$ 0.070 χ^2 /NDF: 10612590.4/42

All: 508.726 $\pm$ 0.050 χ^2 /NDF: 22009390.0/85

- sign 509.749 $\pm$ 0.072 χ^2 /NDF: 11396402.2/42

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -38.561 ± 16.598 χ^2/NDF : 19.0/17

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: -69.877 ± 16.793 χ^2/NDF : 48.0/19

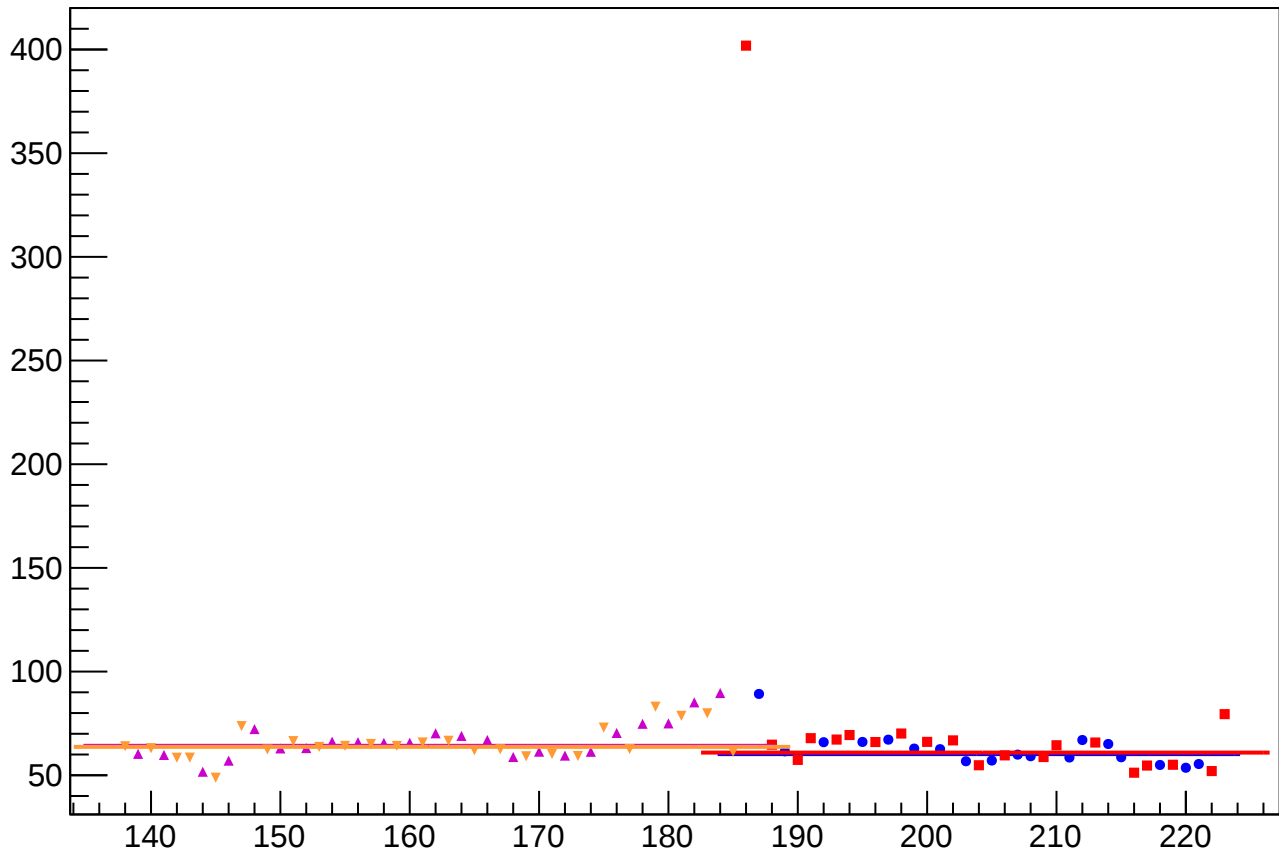
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -21.903 ± 11.102 χ^2/NDF : 62.5/42

All: -30.490 ± 7.947 χ^2/NDF : 134.0/85

- sign -39.515 ± 11.381 χ^2/NDF : 70.3/42

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 60.197 $\pm$ 0.012 χ^2 /NDF: 171185.3/17

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 60.927 $\pm$ 0.012 χ^2 /NDF: 842939.4/19

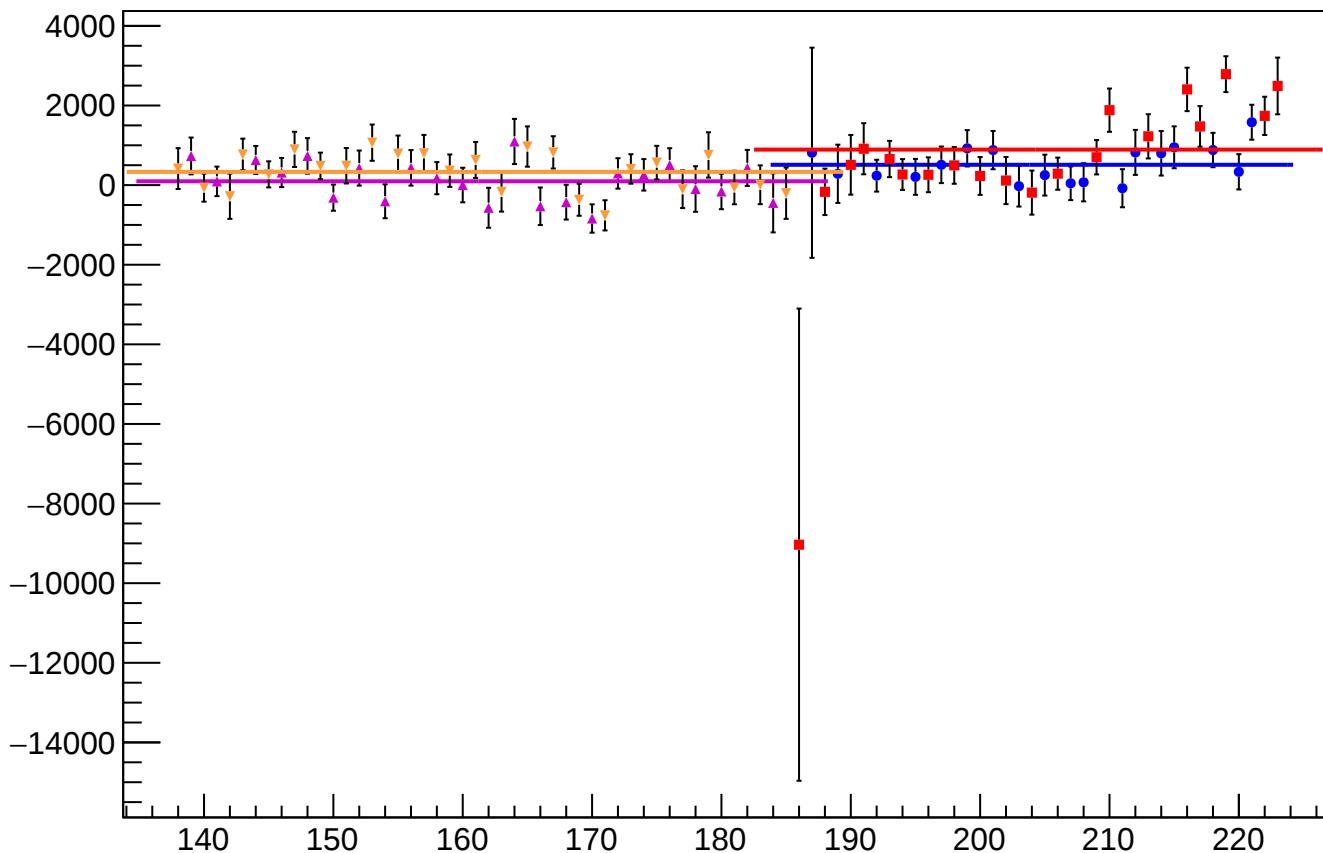
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 62.131 $\pm$ 0.008 χ^2 /NDF: 668731.8/42

All: 62.404 $\pm$ 0.006 χ^2 /NDF: 1984625.1/85

- sign 62.691 $\pm$ 0.008 χ^2 /NDF: 1313410.5/42

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 510.485 $\pm$ 115.830 χ^2 /NDF: 15.4/17

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF: 29.9/24

Right Out: 892.115 $\pm$ 114.927 χ^2 /NDF: 60.5/19

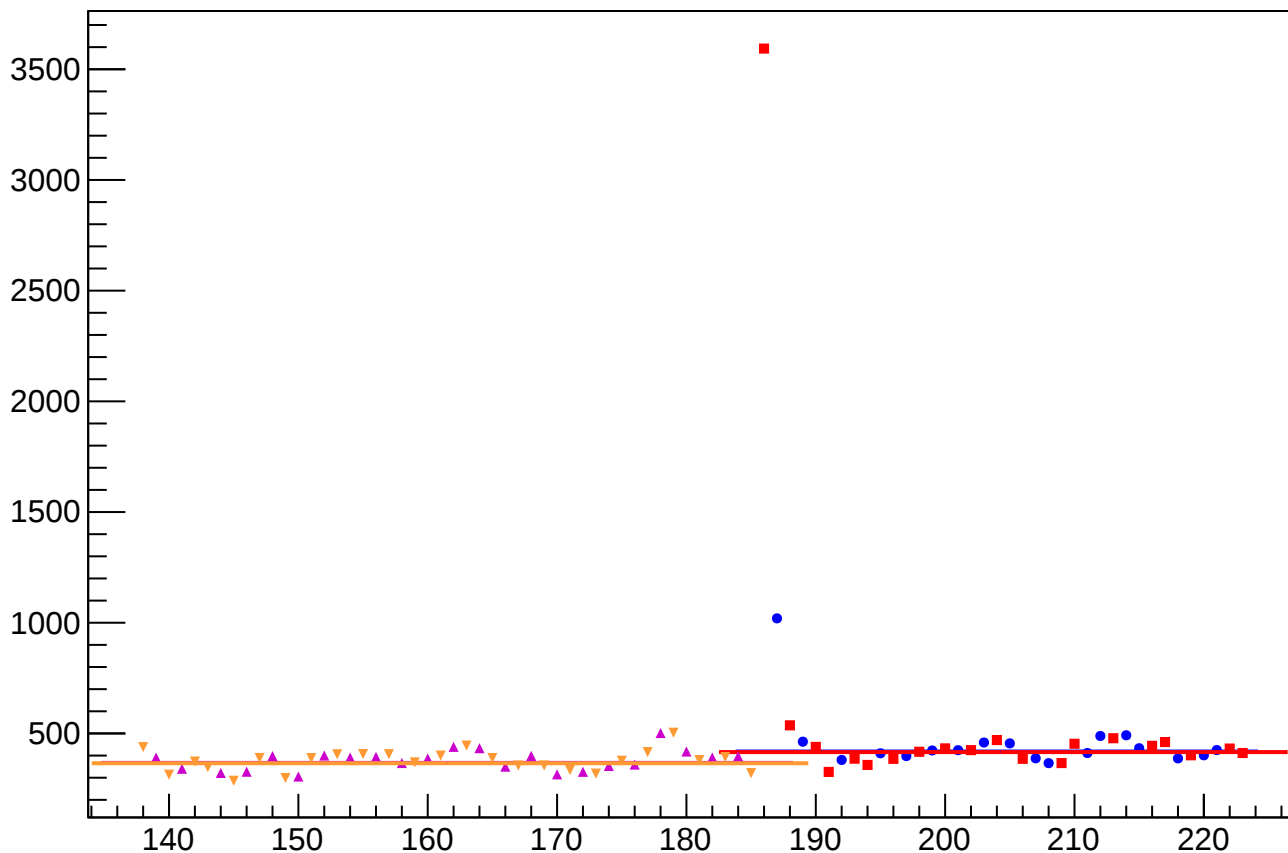
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF: 28.7/22

+ sign 395.326 $\pm$ 69.085 χ^2 /NDF: 46.9/42

All: 394.157 $\pm$ 49.239 χ^2 /NDF: 166.2/85

- sign 392.949 $\pm$ 70.197 χ^2 /NDF: 119.3/42

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 418.272 $\pm$ 0.082 χ^2 /NDF: 272994.4/17

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 415.725 $\pm$ 0.081 χ^2 /NDF: 884469.7/19

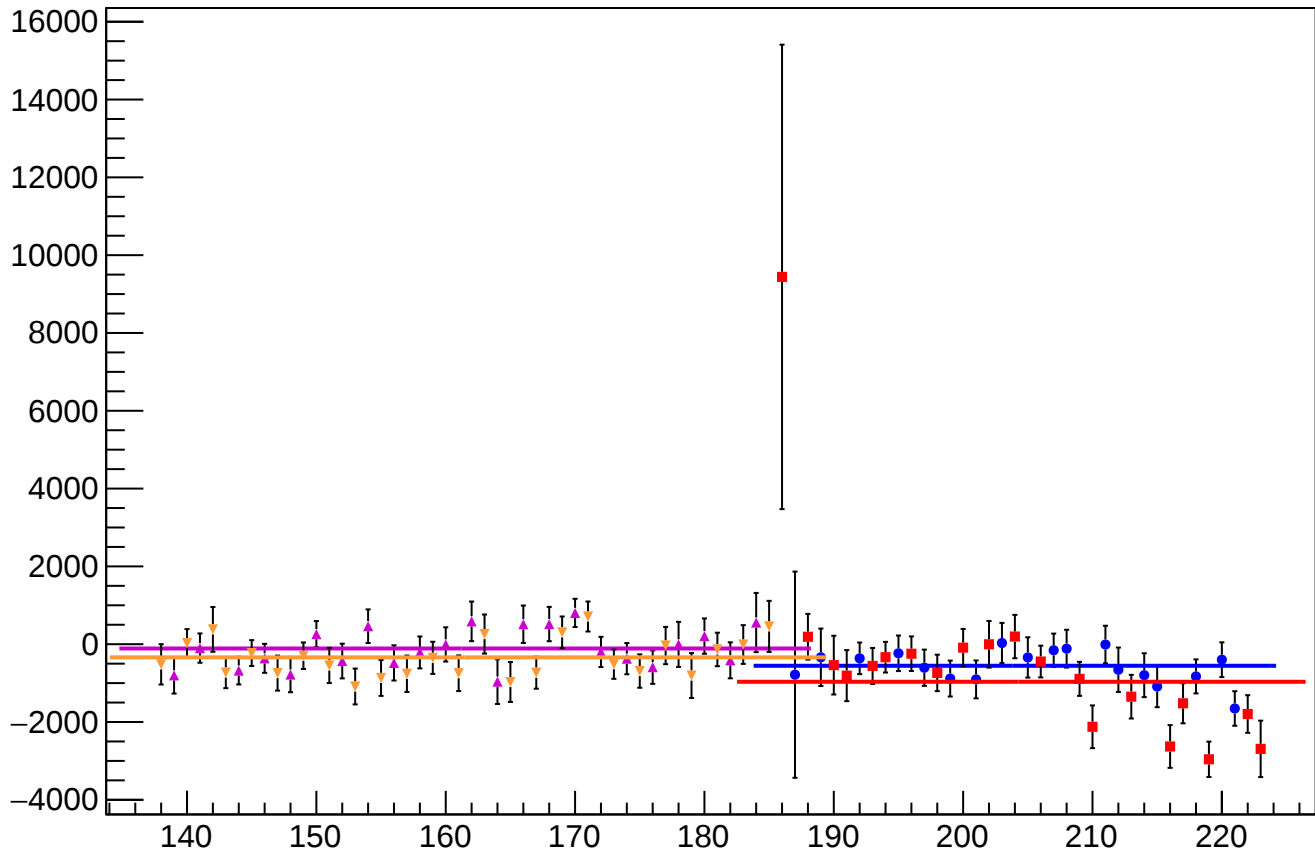
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 384.180 $\pm$ 0.049 χ^2 /NDF: 1160380.1/42

All: 384.648 $\pm$ 0.035 χ^2 /NDF: 2749190.2/85

- sign 385.131 $\pm$ 0.050 χ^2 /NDF: 1588623.8/42

asym_sam_37_48_dd_mean vs Slug



Right In: -554.428+/-117.137 χ^2/NDF : 14.1/17

Left Out: -338.528+/-87.450 χ^2/NDF : 28.2/24

Right Out: -965.784+/-116.328 χ^2/NDF : 68.5/19

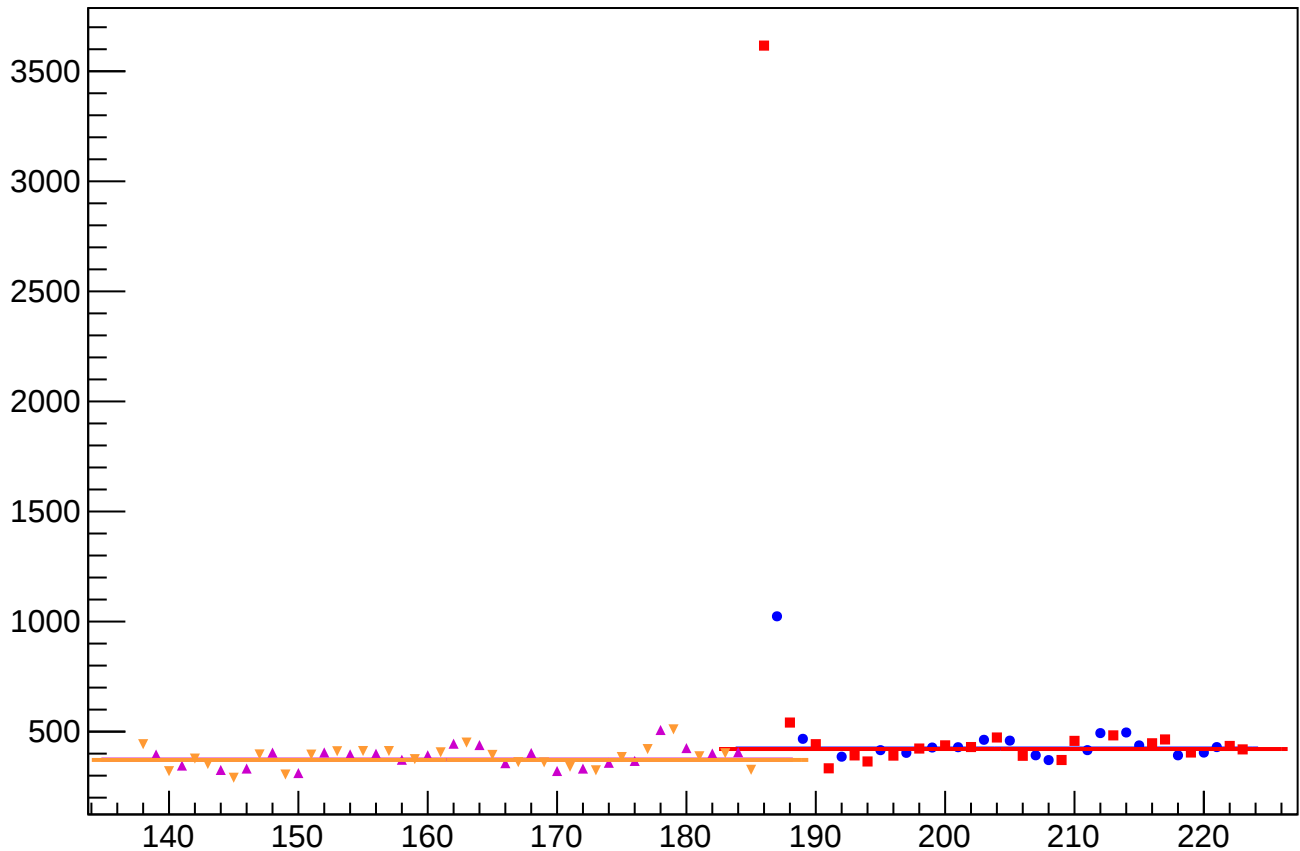
Left In: -110.341+/-90.084 χ^2/NDF : 29.2/22

+ sign -415.796+/-70.076 χ^2/NDF : 44.5/42

All: -423.289+/-49.952 χ^2/NDF : 176.1/85

- sign -431.029+/-71.224 χ^2/NDF : 131.5/42

asym_sam_37_48_dd_rms vs Slug



Right In: 423.131+/-0.083 χ^2/NDF : 265377.0/17

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 420.971+/-0.082 χ^2/NDF : 866842.9/19

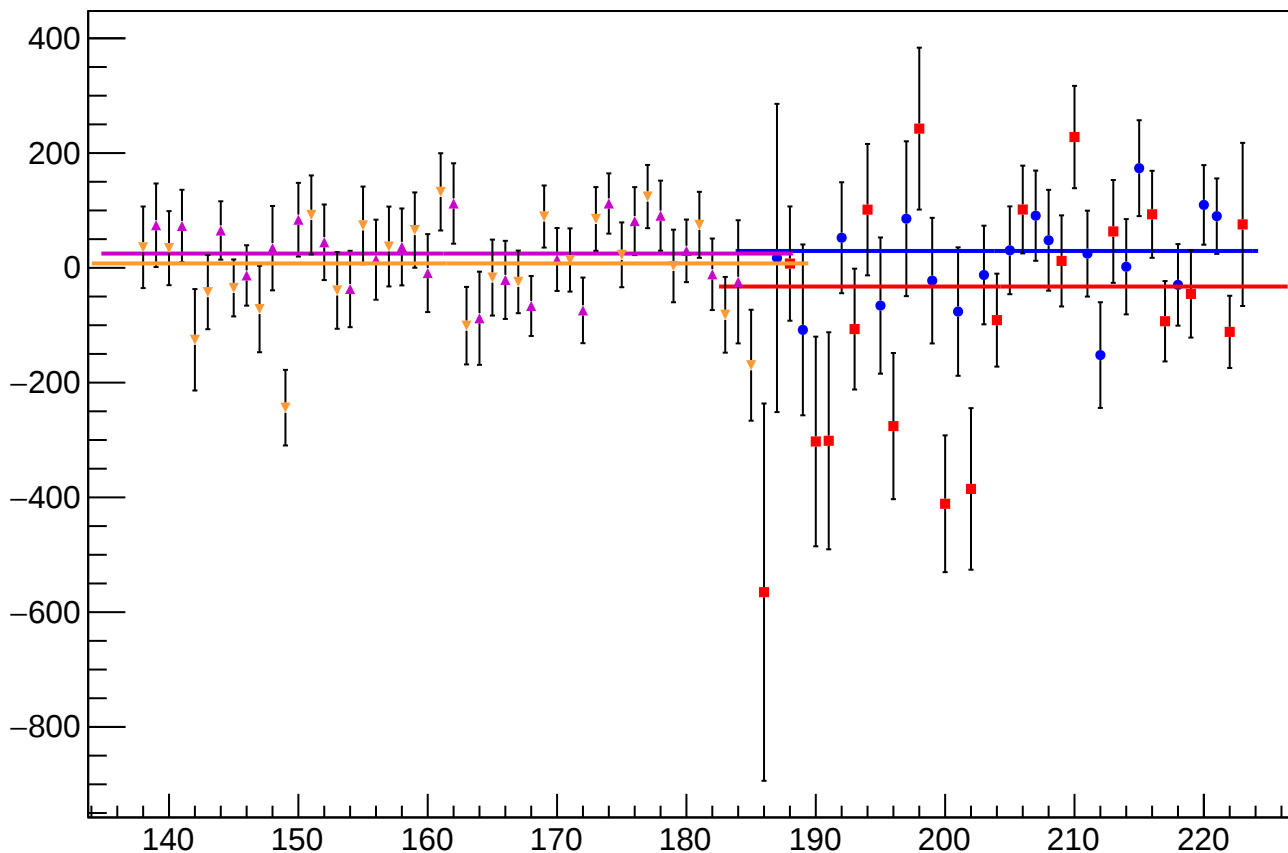
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 389.886+/-0.050 χ^2/NDF : 1120345.5/42

All: 390.406+/-0.035 χ^2/NDF : 2667916.0/85

- sign 390.944+/-0.050 χ^2/NDF : 1547345.9/42

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 29.435 ± 20.965 χ^2/NDF : 13.6/17

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -32.567 ± 21.552 χ^2/NDF : 52.0/19

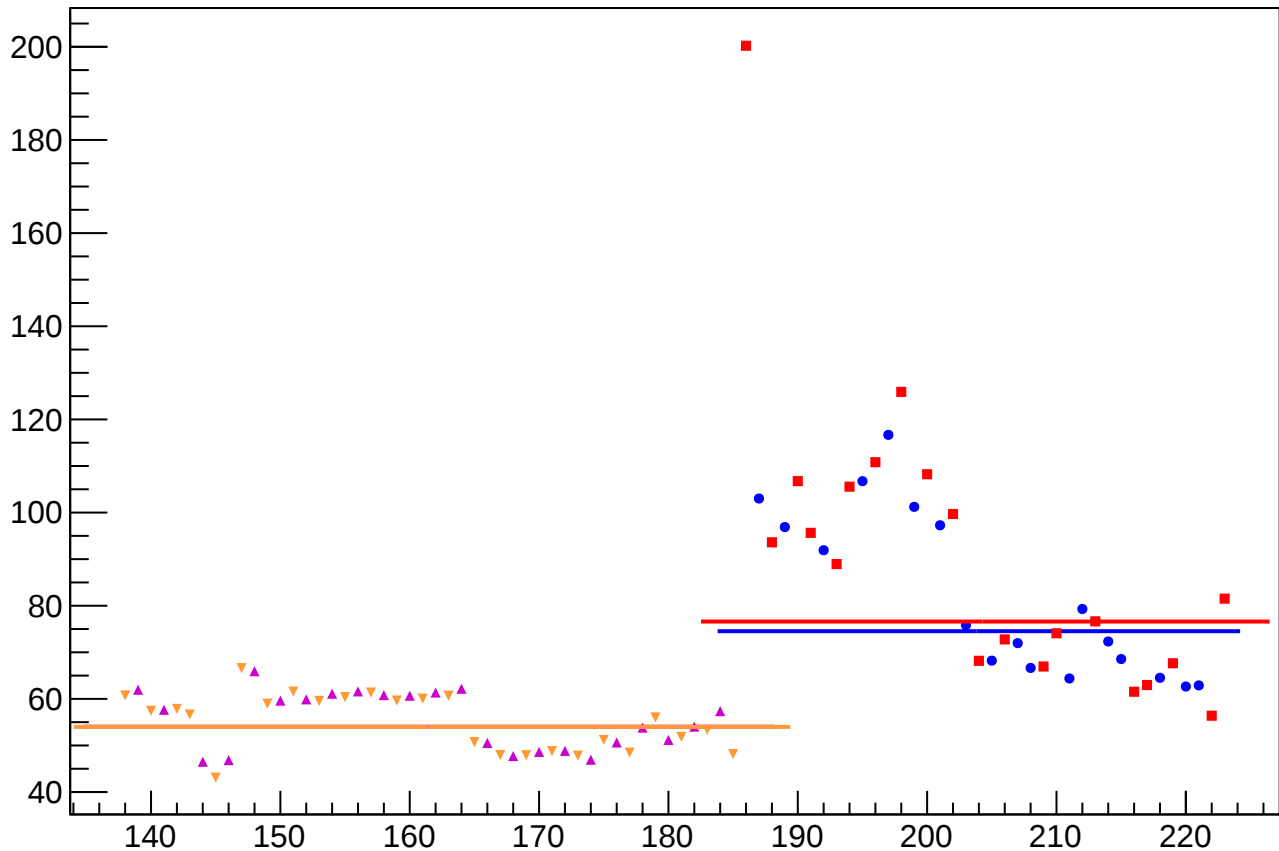
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 13.522 ± 10.835 χ^2/NDF : 59.8/42

All: 11.574 ± 7.770 χ^2/NDF : 136.8/85

- sign 9.510 ± 11.150 χ^2/NDF : 76.9/42

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 74.535 ± 0.015 χ^2/NDF : 923624.9/17

Left Out: 53.984 ± 0.009 χ^2/NDF : 458972.1/24

Right Out: 76.604 ± 0.015 χ^2/NDF : 1603983.3/19

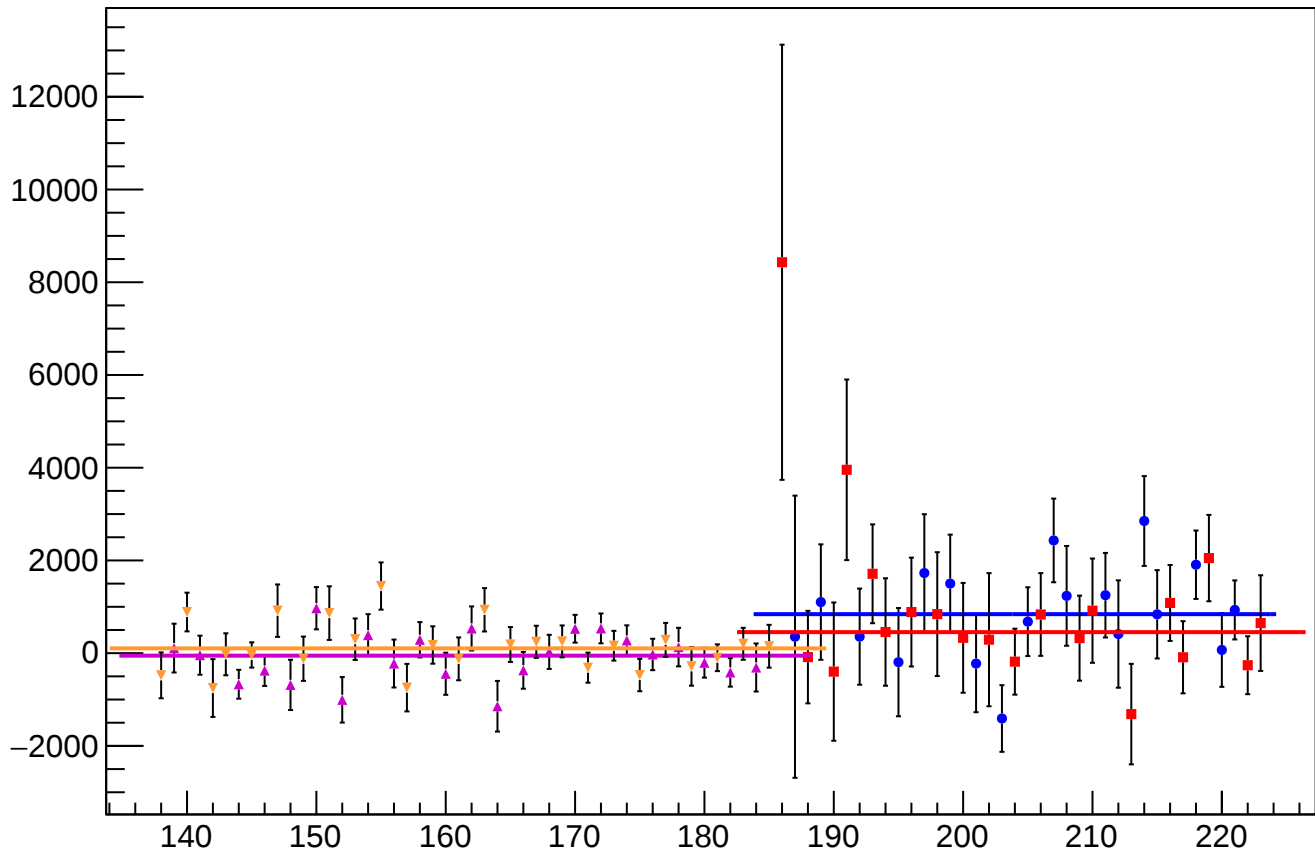
Left In: 54.028 ± 0.009 χ^2/NDF : 443819.5/22

+ sign 59.473 ± 0.008 χ^2/NDF : 2791171.0/42

All: 59.763 ± 0.005 χ^2/NDF : 6449201.2/85

- sign 60.070 ± 0.008 χ^2/NDF : 3655075.4/42

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 841.281 $\pm$ 219.867 χ^2/NDF : 23.8/17

Left Out: 103.768 $\pm$ 79.344 χ^2/NDF : 31.0/24

Right Out: 453.717 $\pm$ 225.109 χ^2/NDF : 17.6/19

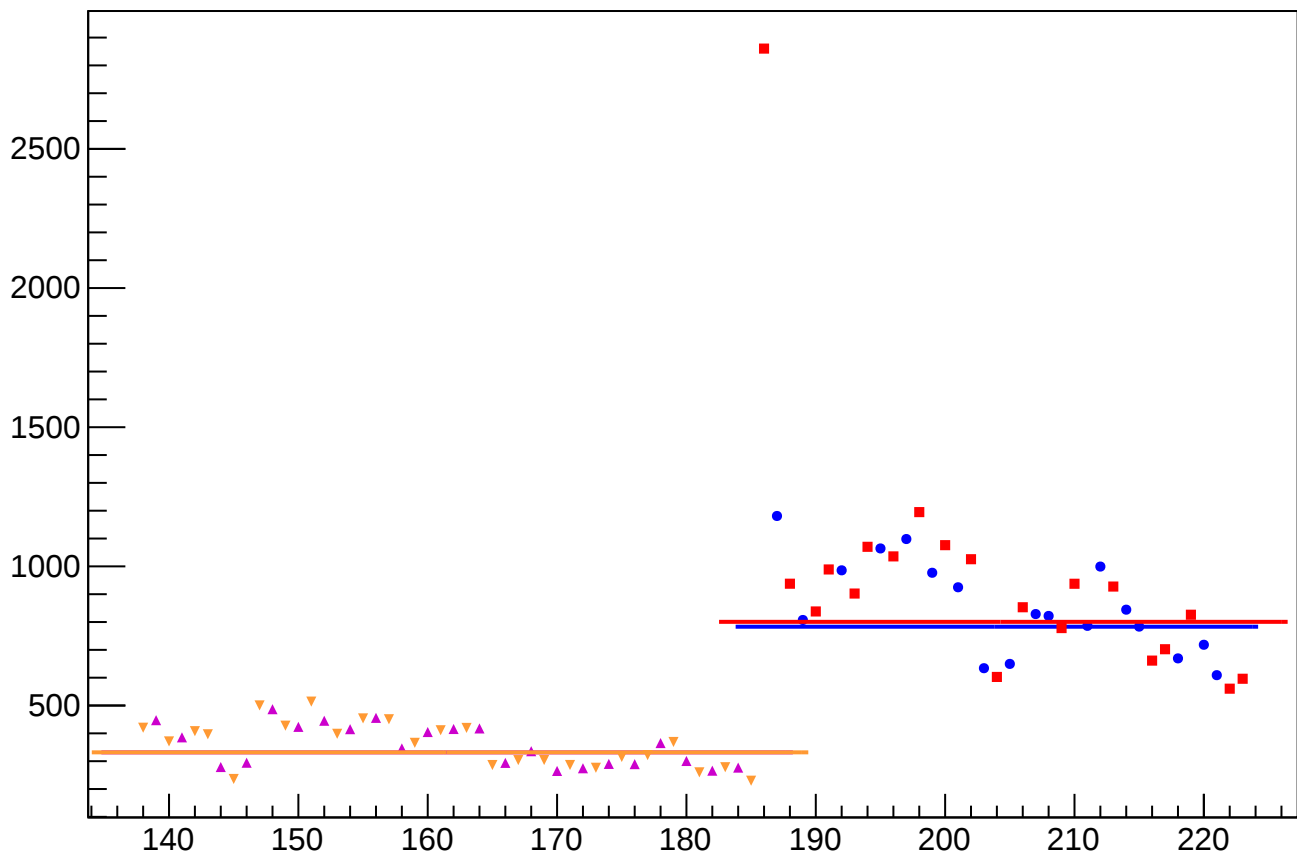
Left In: -53.493 $\pm$ 81.201 χ^2/NDF : 34.1/22

+ sign 188.747 $\pm$ 74.633 χ^2/NDF : 64.7/42

All: 98.957 $\pm$ 53.382 χ^2/NDF : 123.8/85

- sign 4.906 $\pm$ 76.384 χ^2/NDF : 56.2/42

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 783.155 $\pm$ 0.155 χ^2 /NDF: 900967.7/17

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF: 1711721.9/24

Right Out: 800.692 $\pm$ 0.159 χ^2 /NDF: 1666939.6/19

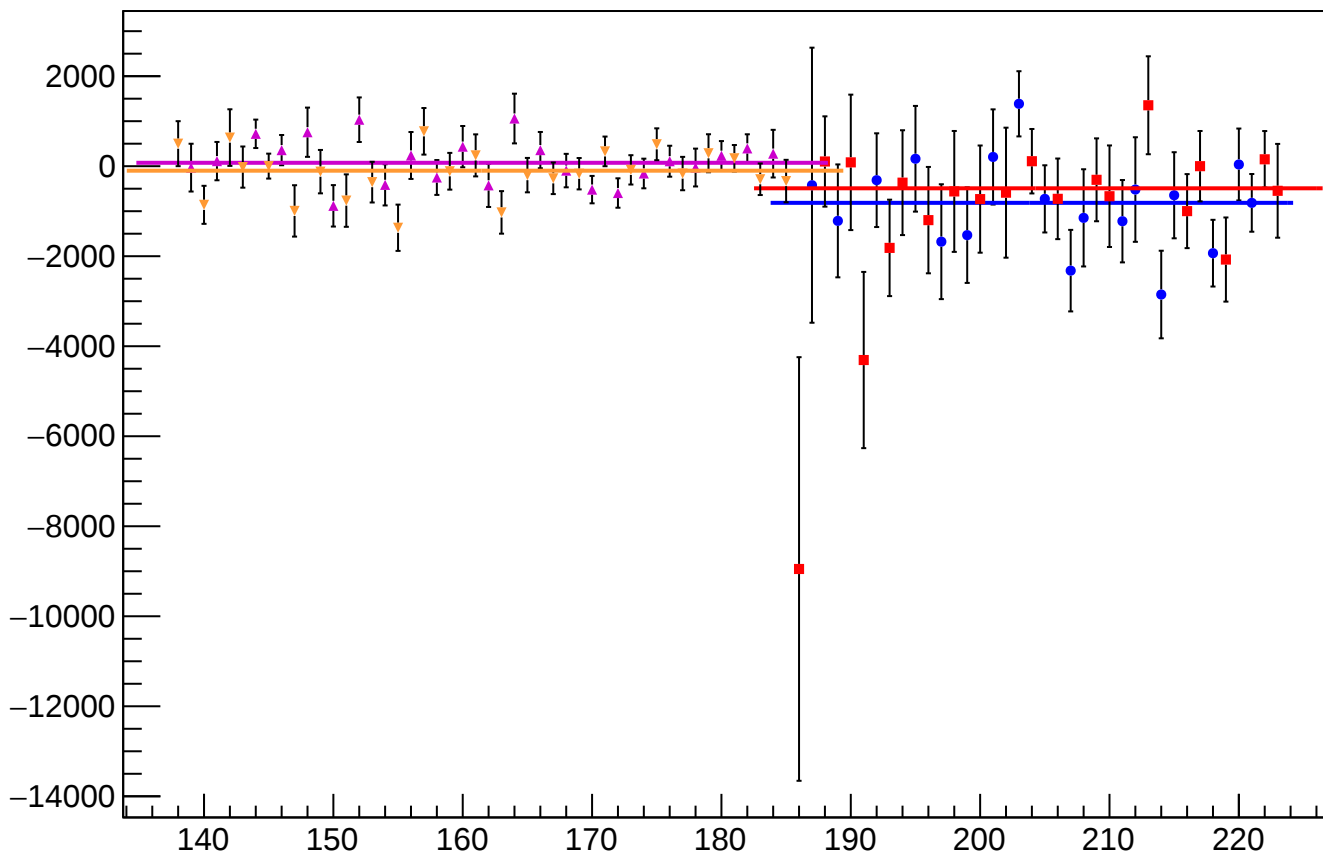
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 383.781 $\pm$ 0.053 χ^2 /NDF: 10070953.4/42

All: 384.702 $\pm$ 0.038 χ^2 /NDF: 20724418.4/85

- sign 385.668 $\pm$ 0.054 χ^2 /NDF: 10652840.5/42

asym_sam_15_26_dd_mean vs Slug



Right In: -814.236+/-221.018 χ^2 /NDF: 23.1/17

Left Out: -99.785+/-80.428 χ^2 /NDF:30.7/24

Right Out: -491.226+/-226.287 χ^2 /NDF: 17.9/19

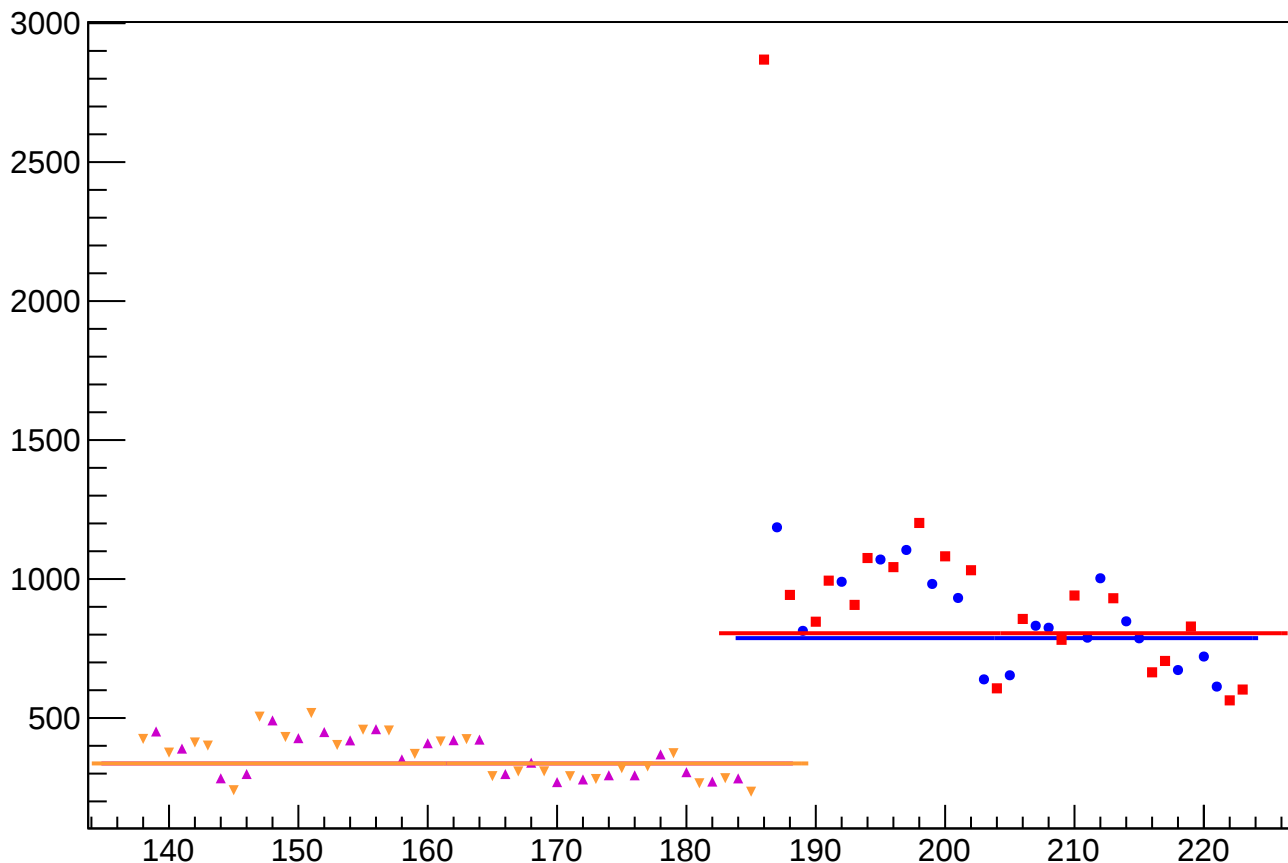
Left In: 75.579+/-82.319 χ^2 /NDF:32.1/22

+ sign -183.331+/-75.579 χ^2 /NDF: 63.0/42

All: -89.239+/-54.061 χ^2 /NDF: 121.7/85

- sign 9.337+/-77.359 χ^2 /NDF: 55.5/42

asym_sam_15_26_dd_rms vs Slug



Right In: 787.360 $\pm$ 0.156 χ^2 /NDF: 896558.3/17

Left Out: 336.557 $\pm$ 0.057 χ^2 /NDF: 1665919.4/24

Right Out: 804.993 $\pm$ 0.160 χ^2 /NDF: 1662205.4/19

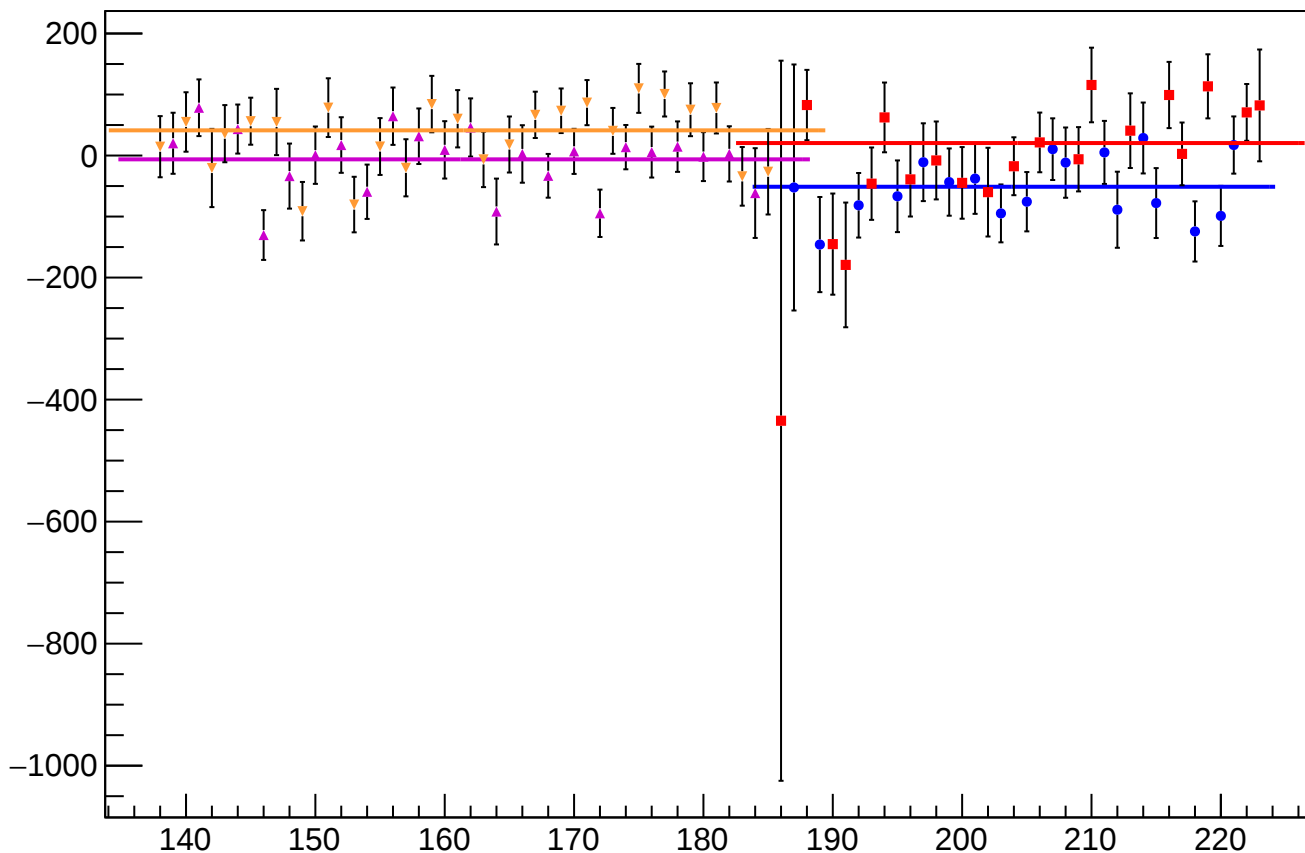
Left In: 336.439 $\pm$ 0.058 χ^2 /NDF: 1269066.3/22

+ sign 389.273 $\pm$ 0.053 χ^2 /NDF: 9909988.9/42

All: 390.214 $\pm$ 0.038 χ^2 /NDF: 20414653.1/85

- sign 391.199 $\pm$ 0.055 χ^2 /NDF: 10504029.7/42

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -51.170 ± 13.151 χ^2/NDF : 14.3/17

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: 20.469 ± 13.424 χ^2/NDF : 25.4/19

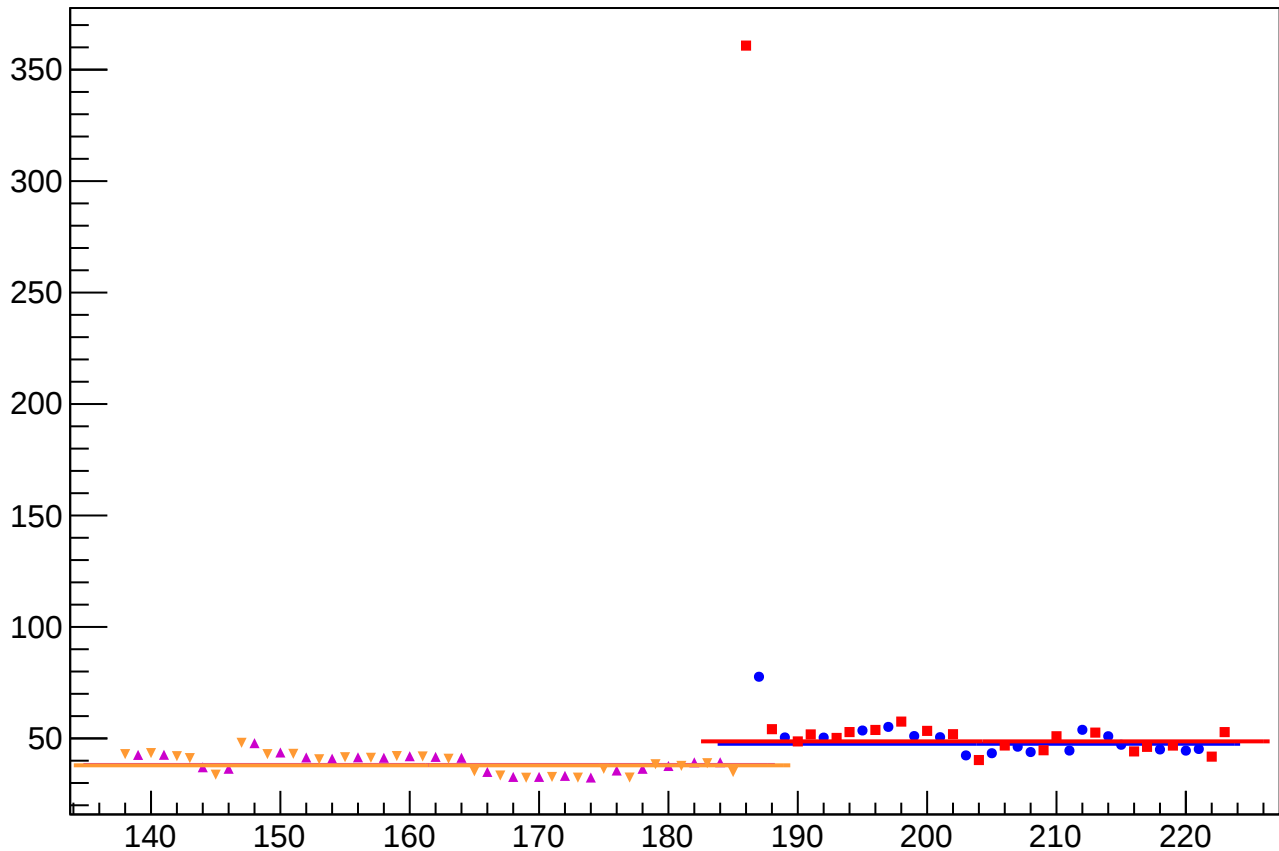
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 12.288 ± 7.365 χ^2/NDF : 82.6/42

All: 7.412 ± 5.280 χ^2/NDF : 141.9/85

- sign 2.254 ± 7.575 χ^2/NDF : 58.4/42

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 47.595 $\pm$ 0.009 χ^2 /NDF: 215685.2/17

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 48.671 $\pm$ 0.009 χ^2 /NDF: 816993.0/19

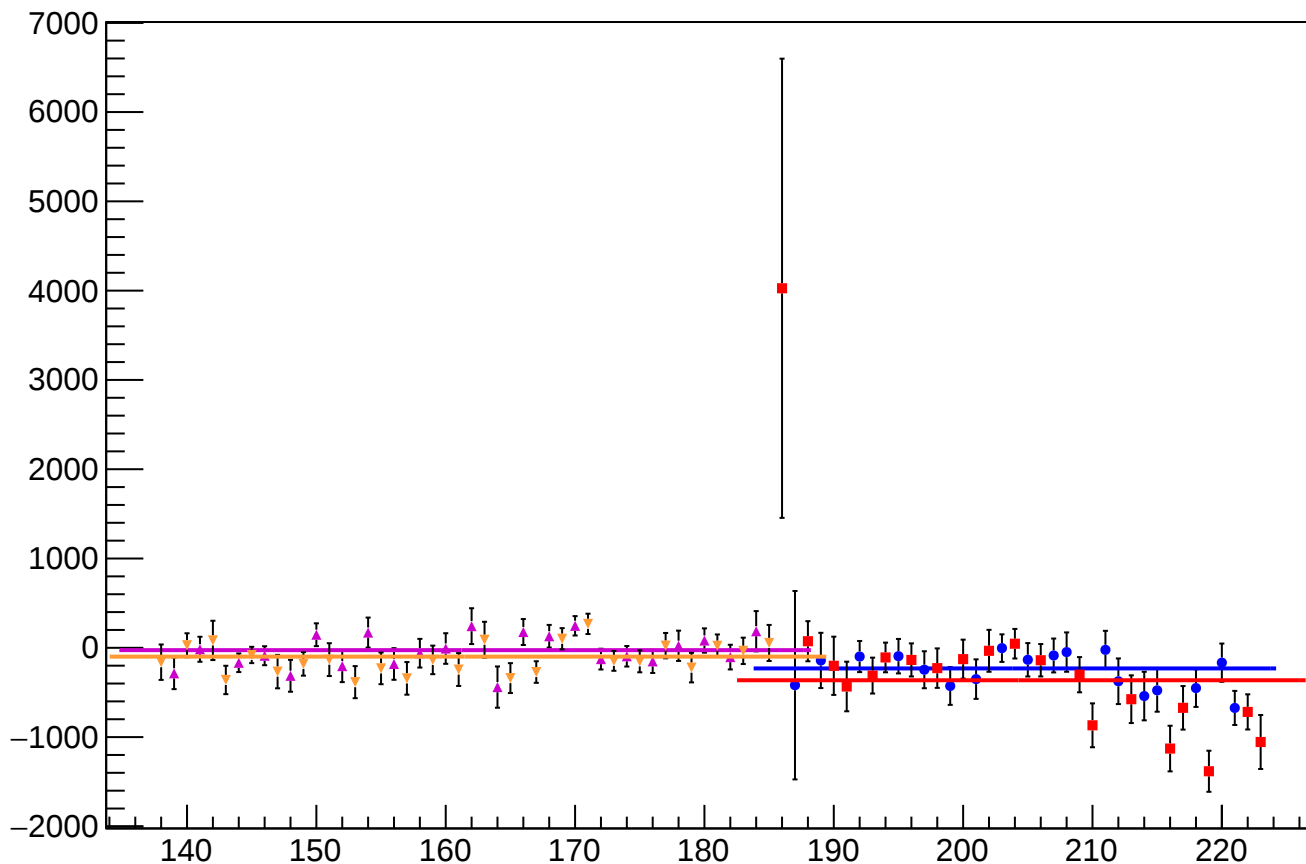
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 40.958 $\pm$ 0.005 χ^2 /NDF: 1445087.5/42

All: 41.200 $\pm$ 0.004 χ^2 /NDF: 3510281.9/85

- sign 41.457 $\pm$ 0.005 χ^2 /NDF: 2060731.3/42

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -230.948 ± 50.234 χ^2/NDF : 16.3/17

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -363.395 ± 49.810 χ^2/NDF : 65.7/19

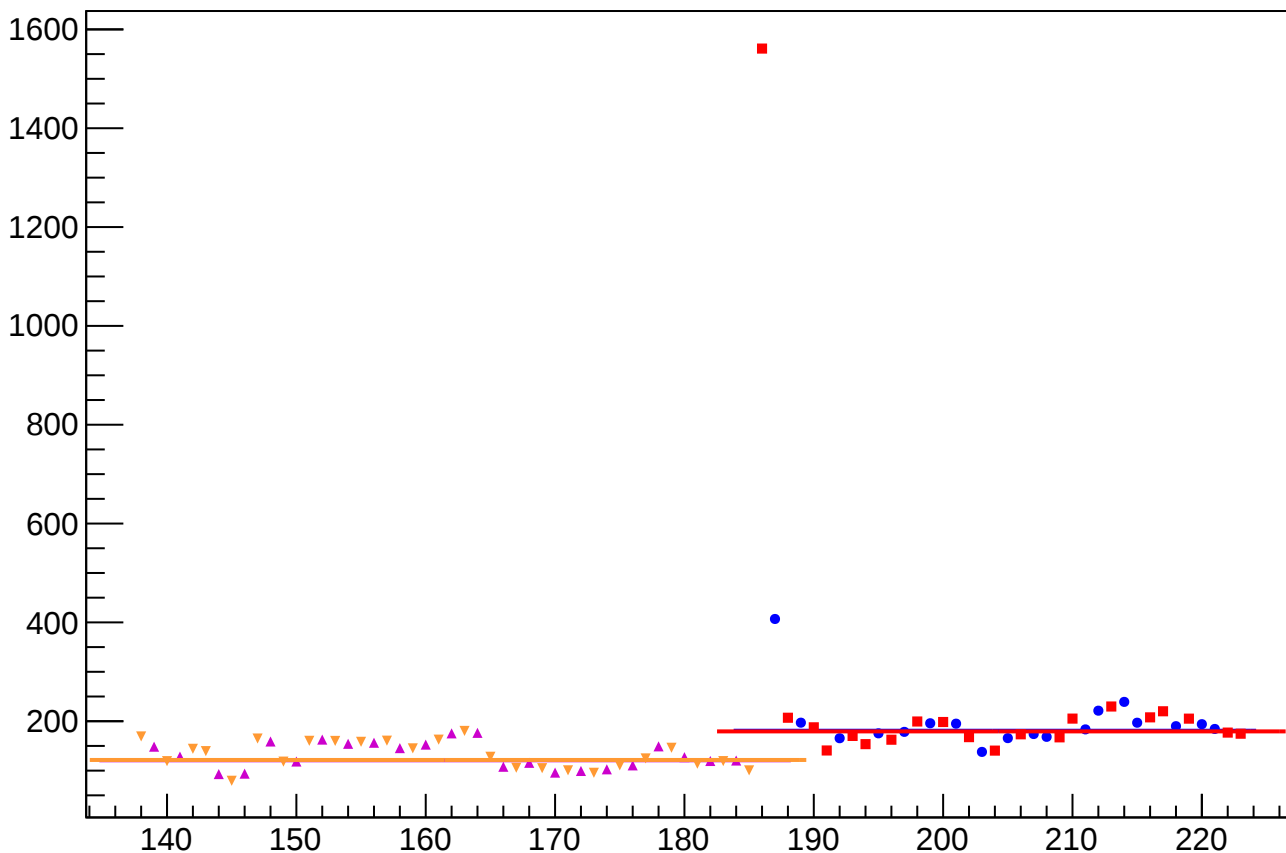
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -131.951 ± 25.177 χ^2/NDF : 54.2/42

All: -123.360 ± 17.914 χ^2/NDF : 184.7/85

- sign -114.550 ± 25.494 χ^2/NDF : 130.2/42

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 180.734 $\pm$ 0.036 χ^2 /NDF: 473097.3/17

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF: 1711423.9/24

Right Out: 179.410 $\pm$ 0.035 χ^2 /NDF: 1072839.6/19

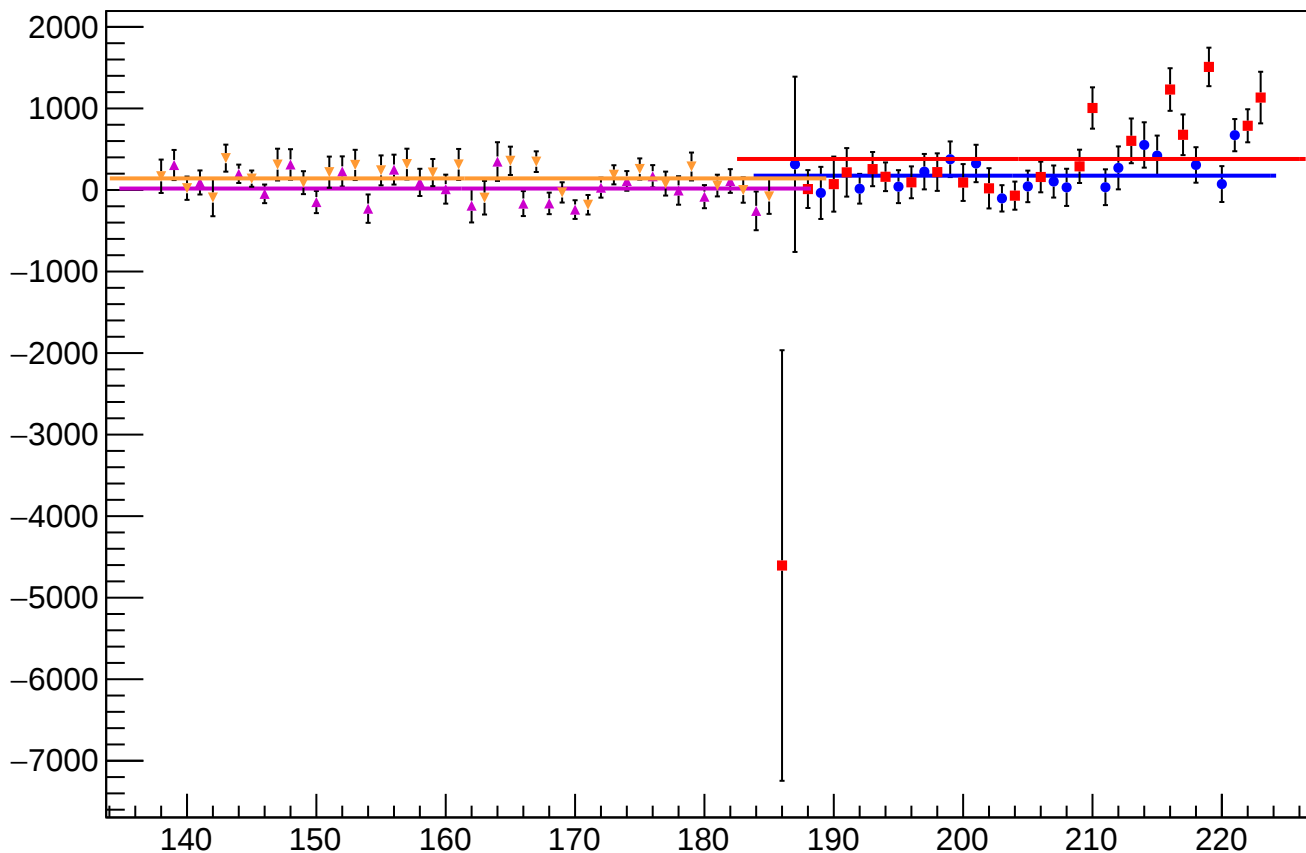
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF: 1382861.4/22

+ sign 136.448 $\pm$ 0.018 χ^2 /NDF: 4260343.0/42

All: 136.349 $\pm$ 0.013 χ^2 /NDF: 8750943.5/85

- sign 136.247 $\pm$ 0.018 χ^2 /NDF: 4490537.5/42

asym_sam_37_26_dd_mean vs Slug



Right In: 175.508 $\pm$ 52.086 χ^2 /NDF: 17.3/17

Left Out: 142.014 $\pm$ 30.574 χ^2 /NDF: 26.9/24

Right Out: 380.221 $\pm$ 51.804 χ^2 /NDF: 75.2/19

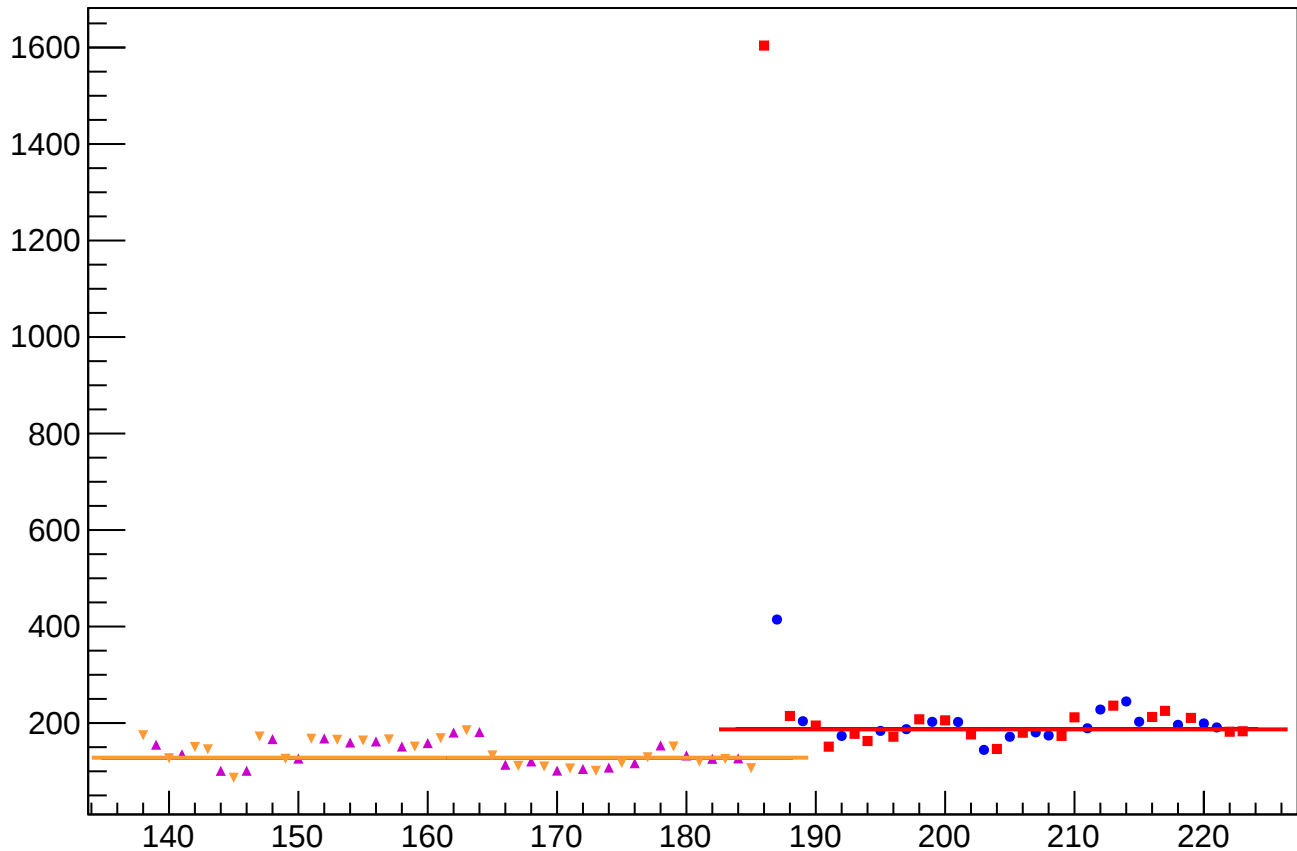
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 150.597 $\pm$ 26.367 χ^2 /NDF: 44.4/42

All: 132.658 $\pm$ 18.772 χ^2 /NDF: 186.7/85

- sign 114.219 $\pm$ 26.732 χ^2 /NDF: 141.3/42

asym_sam_37_26_dd_rms vs Slug



Right In: 187.600 $\pm$ 0.037 χ^2 /NDF: 439238.6/17

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF:1532922.0/24

Right Out: 186.871 $\pm$ 0.037 χ^2 /NDF: 1016207.8/19

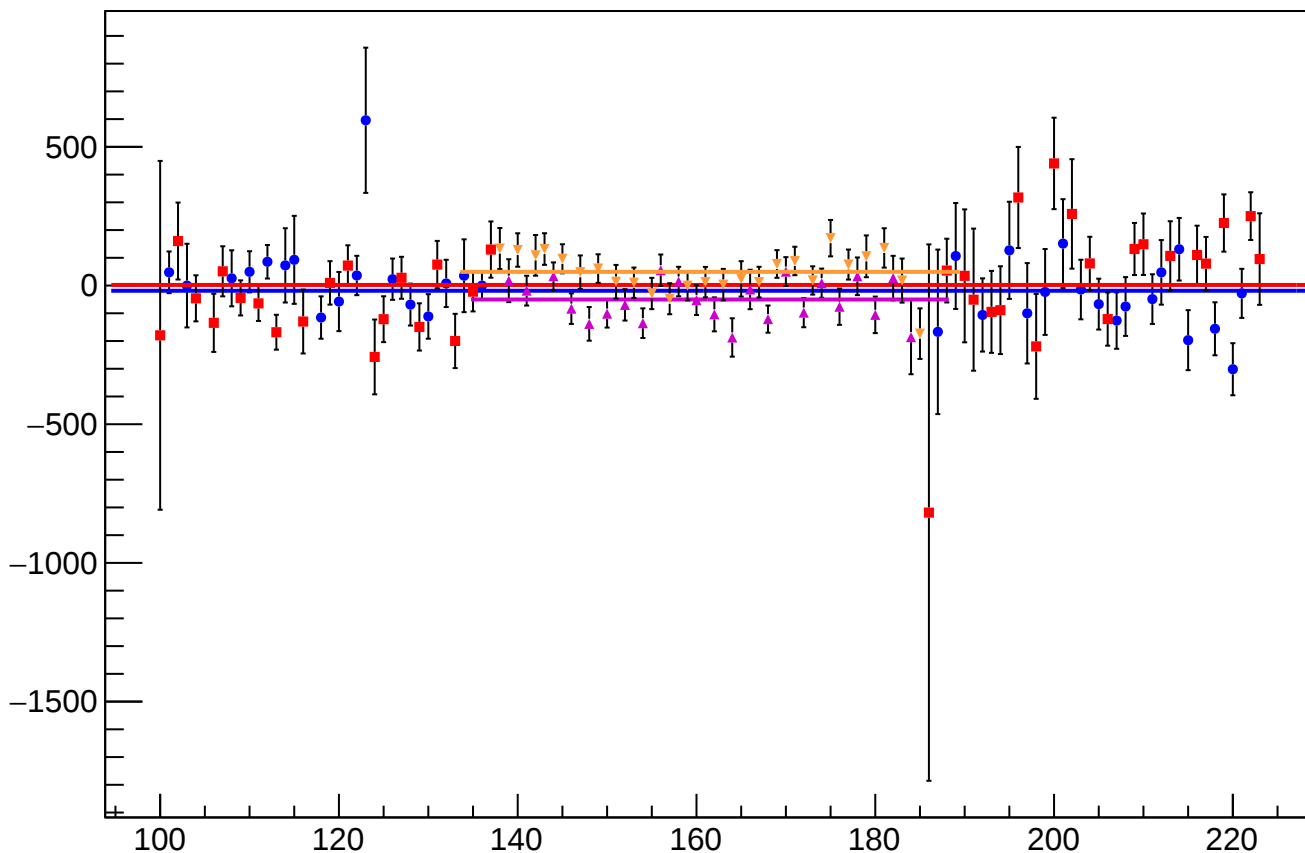
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF:1235705.3/22

+ sign 143.403 $\pm$ 0.019 χ^2 /NDF: 3908279.0/42

All: 143.373 $\pm$ 0.013 χ^2 /NDF: 8084823.2/85

- sign 143.342 $\pm$ 0.019 χ^2 /NDF: 4176538.9/42

reg_asym_sam_1357_avg_mean vs Slug



Right In: -18.742 ± 16.226 χ^2/NDF : 37.0/34

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: 2.142 ± 16.022 χ^2/NDF : 67.4/38

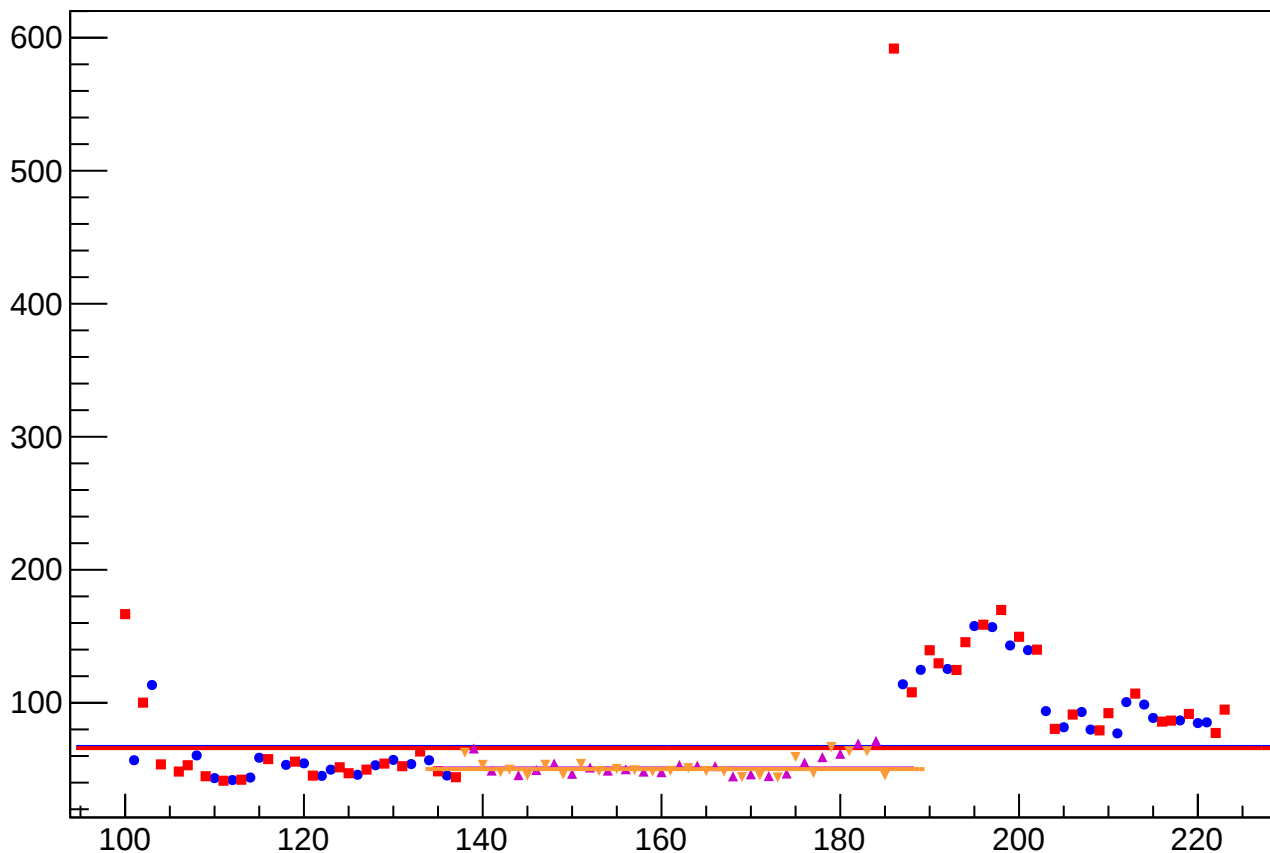
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 25.814 ± 9.546 χ^2/NDF : 76.6/59

All: -2.025 ± 6.815 χ^2/NDF : 200.3/121

- sign -30.966 ± 9.733 χ^2/NDF : 106.3/61

reg_asym_sam_1357_avg_rms vs Slug



Right In: 66.821 $\pm$ 0.011 χ^2 /NDF: 5391683.9/34

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 65.940 $\pm$ 0.011 χ^2 /NDF: 6694141.3/38

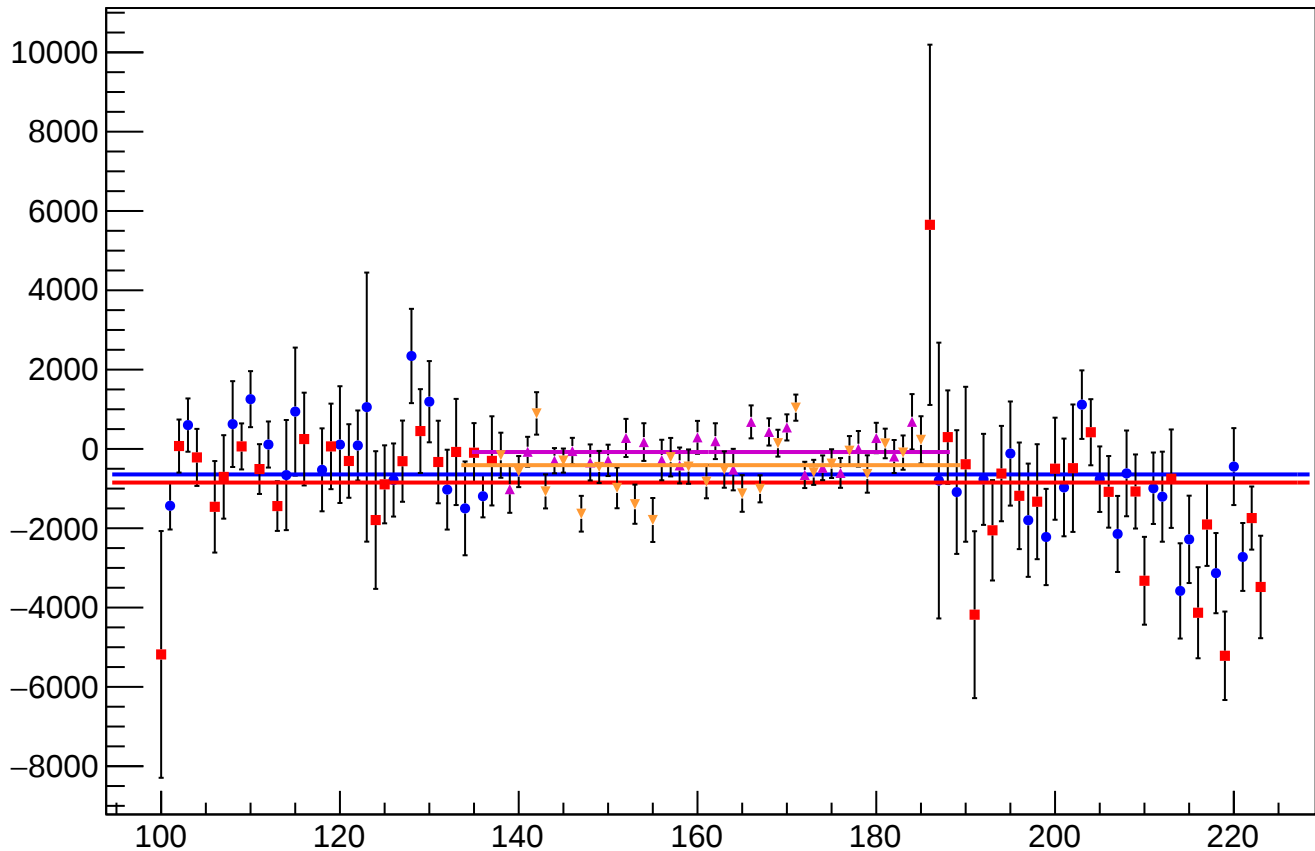
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 55.946 $\pm$ 0.007 χ^2 /NDF: 7233307.7/59

All: 56.126 $\pm$ 0.005 χ^2 /NDF: 15542447.1/121

- sign 56.314 $\pm$ 0.007 χ^2 /NDF: 8307687.5/61

asym_sam_1357_avg_correction_mean vs Slug



Right In: -642.930 ± 162.500 χ^2/NDF : 58.8/34

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -847.798 ± 161.064 χ^2/NDF : 58.6/38

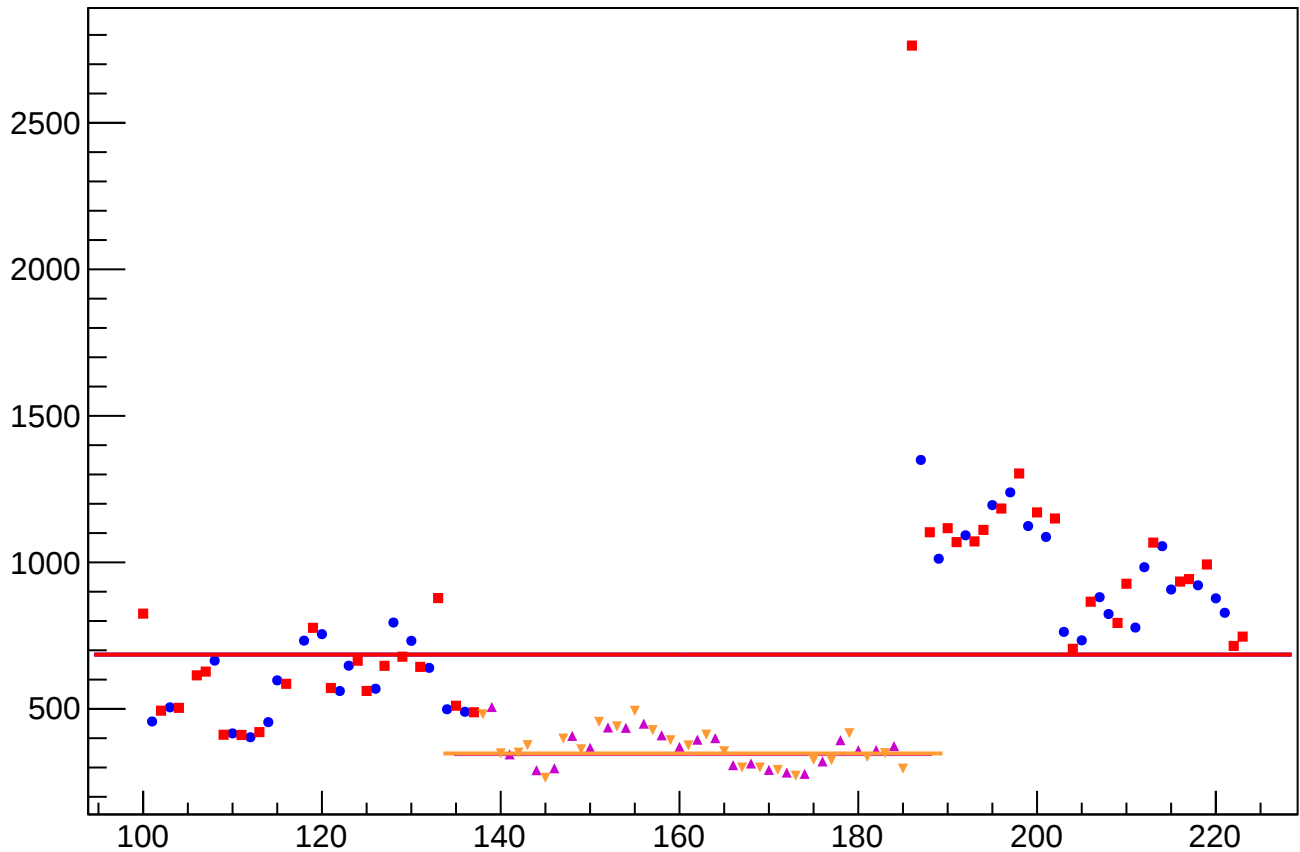
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -456.930 ± 73.455 χ^2/NDF : 122.1/59

All: -351.386 ± 52.316 χ^2/NDF : 227.7/121

- sign -242.731 ± 74.530 χ^2/NDF : 101.4/61

asym_sam_1357_avg_correction_rms vs Slug



Right In: 685.375+/-0.115 χ^2/NDF : 3982322.7/34

Left Out: 347.875+/-0.058 χ^2/NDF : 1044096.7/24

Right Out: 685.262+/-0.114 χ^2/NDF : 4930554.4/38

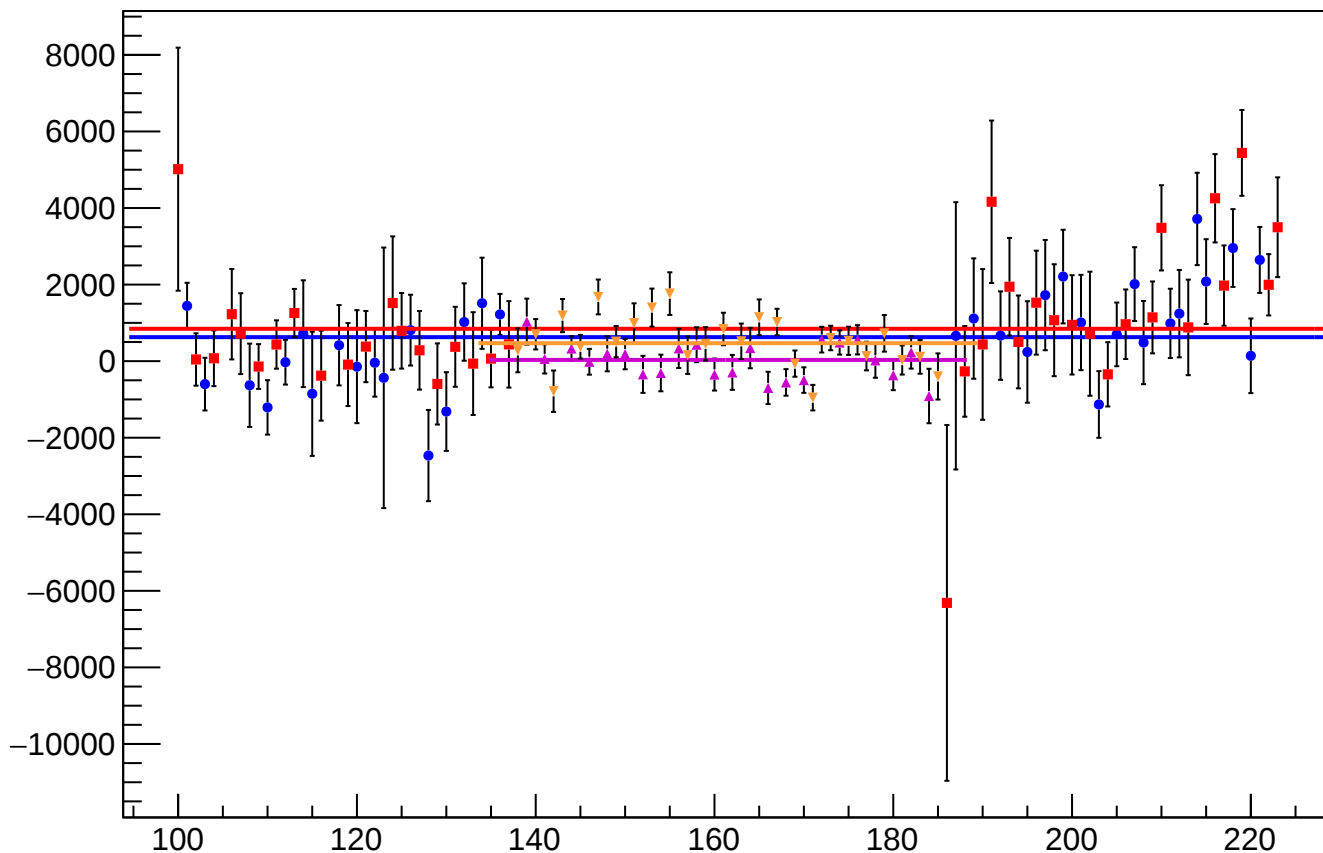
Left In: 345.954+/-0.059 χ^2/NDF : 900847.0/22

+ sign 416.837+/-0.052 χ^2/NDF : 11890815.1/59

All: 417.710+/-0.037 χ^2/NDF : 24698301.6/12

- sign 418.608+/-0.053 χ^2/NDF : 12806913.7/61

asym_sam_1357_avg_mean vs Slug



Right In: 626.679 ± 163.596 χ^2/NDF : 56.8/34

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 845.700 ± 162.234 χ^2/NDF : 61.8/38

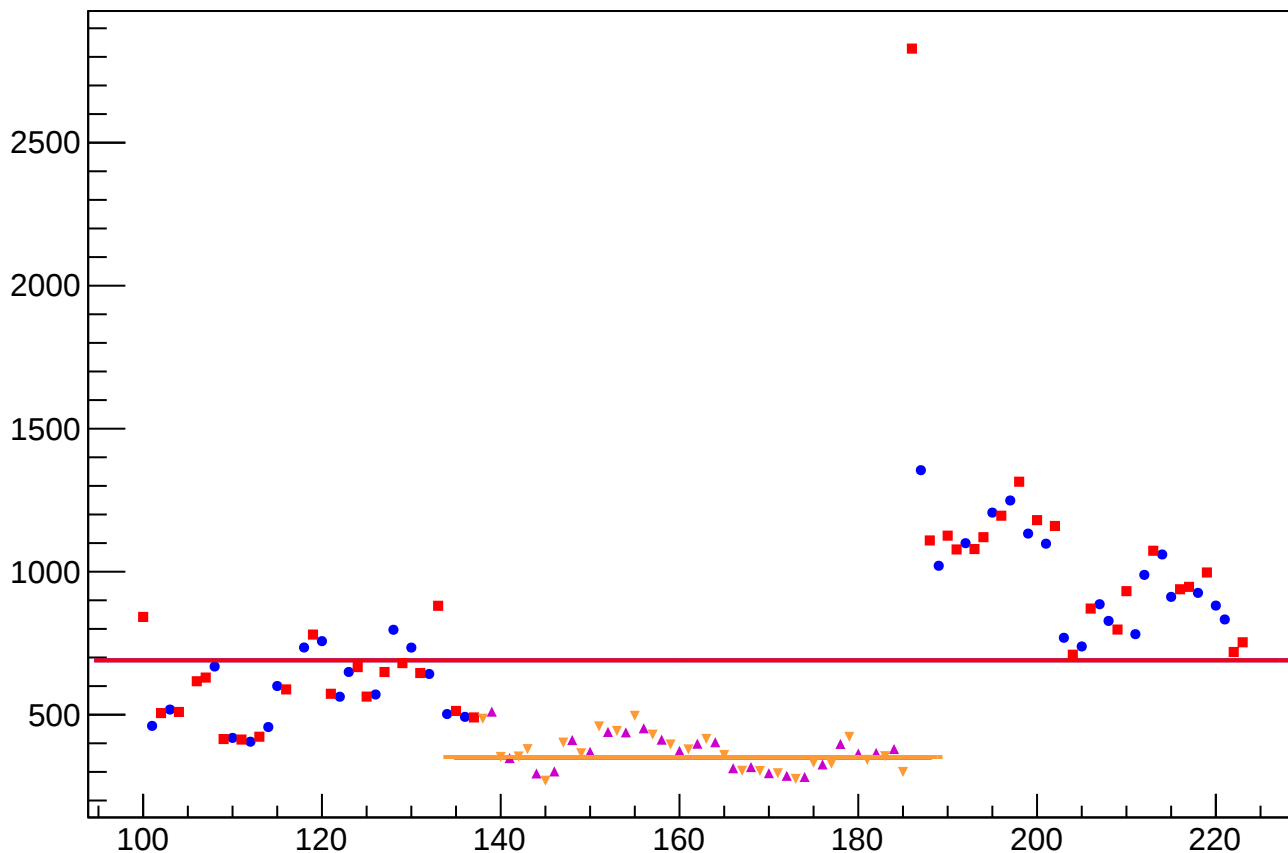
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 501.352 ± 74.228 χ^2/NDF : 115.0/59

All: 356.894 ± 52.874 χ^2/NDF : 229.9/121

- sign 208.092 ± 75.336 χ^2/NDF : 107.2/61

asym_sam_1357_avg_rms vs Slug



Right In: 690.137+/-0.116 χ^2/NDF : 3969101.0/34

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 690.125+/-0.115 χ^2/NDF : 4923301.7/38

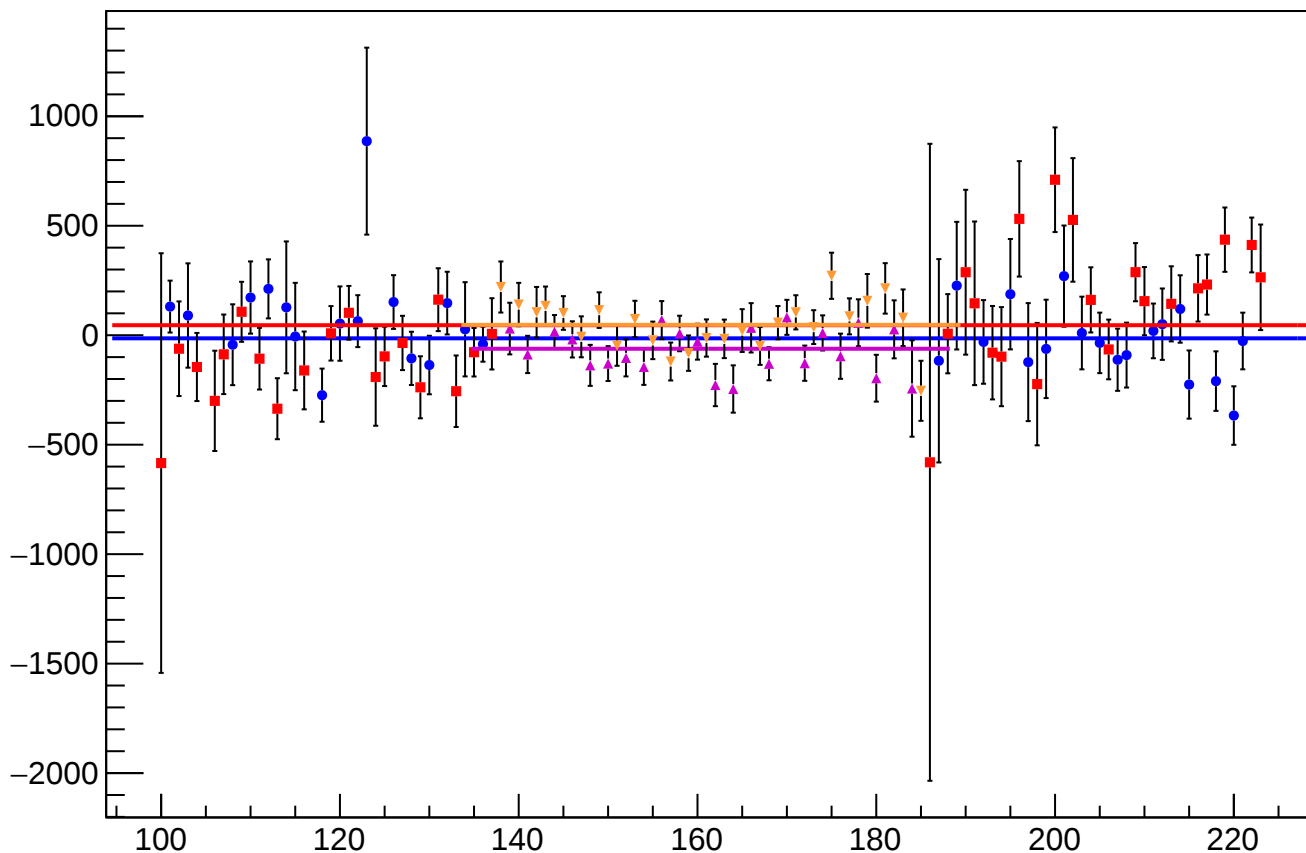
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 421.623+/-0.052 χ^2/NDF : 11770864.7/59

All: 422.532+/-0.037 χ^2/NDF : 24461805.4/12

- sign 423.469+/-0.053 χ^2/NDF : 12690331.1/61

reg_asym_sam_2468_avg_mean vs Slug



Right In: -14.242 ± 25.959 χ^2/NDF : 36.0/34

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: 45.723 ± 26.497 χ^2/NDF : 68.9/38

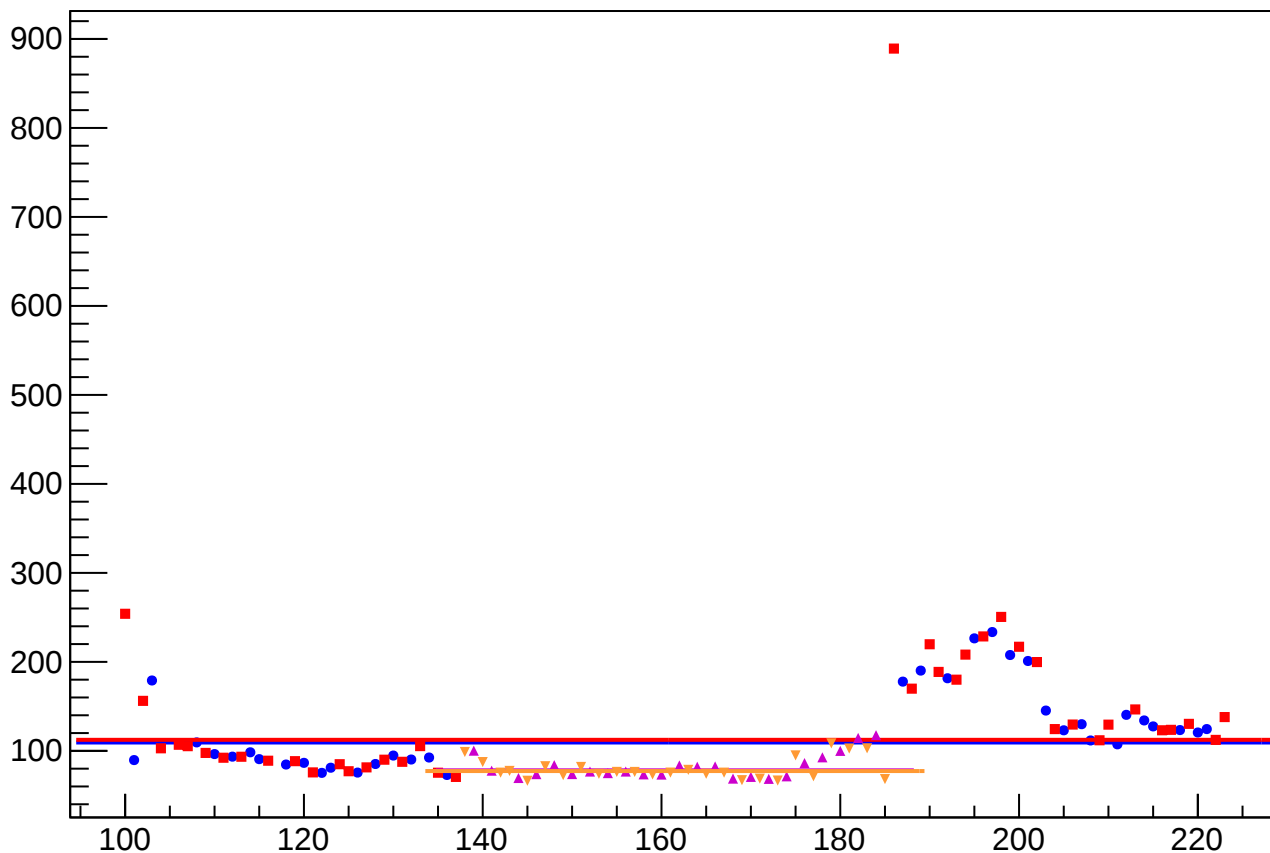
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 27.023 ± 14.931 χ^2/NDF : 69.2/59

All: 1.645 ± 10.726 χ^2/NDF : 178.9/121

- sign -25.414 ± 15.418 χ^2/NDF : 103.8/61

reg_asym_sam_2468_avg_rms vs Slug



Right In: 109.408 $\pm$ 0.018 χ^2 /NDF: 3699710.8/34

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF: 635622.3/24

Right Out: 112.417 $\pm$ 0.019 χ^2 /NDF: 4535919.3/38

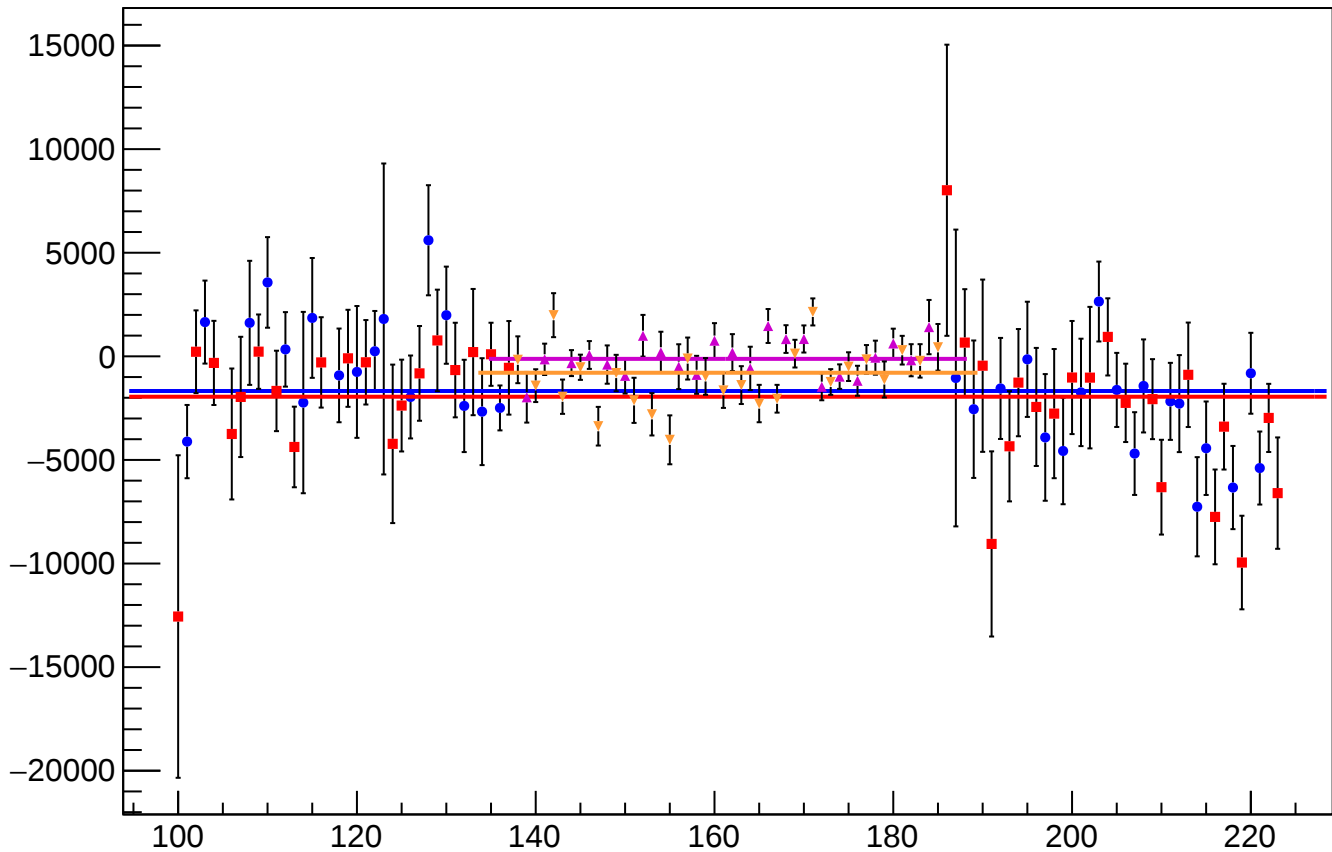
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF: 582108.1/22

+ sign 87.934 $\pm$ 0.011 χ^2 /NDF: 6380810.0/59

All: 88.810 $\pm$ 0.008 χ^2 /NDF: 13727026.5/121

- sign 89.745 $\pm$ 0.011 χ^2 /NDF: 7331974.5/61

asym_sam_2468_avg_correction_mean vs Slug



Right In: -1673.563 ± 371.517 χ^2/NDF : 53.1/34

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1949.311 ± 375.617 χ^2/NDF : 49.8/38

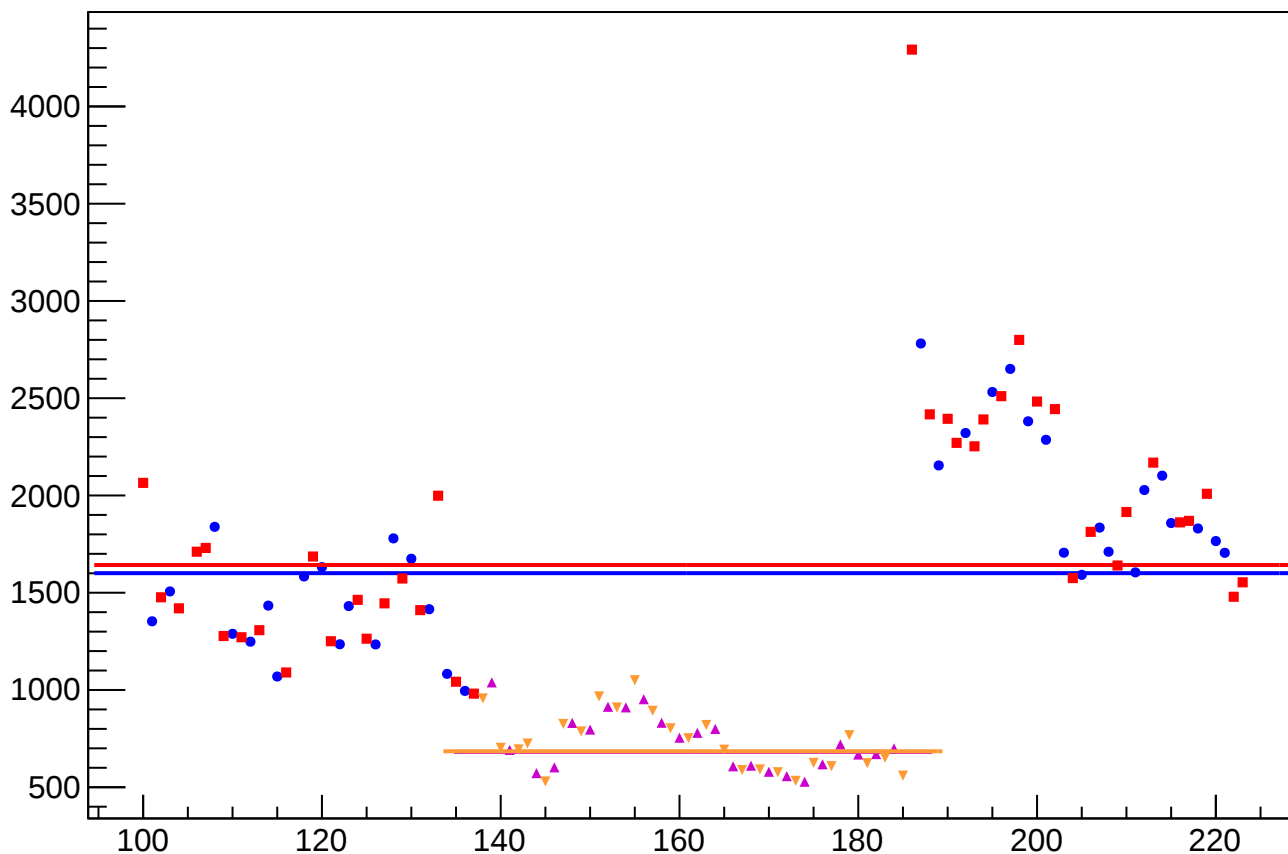
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -934.455 ± 149.003 χ^2/NDF : 124.5/59

All: -682.967 ± 106.399 χ^2/NDF : 225.8/121

- sign -421.325 ± 151.981 χ^2/NDF : 95.5/61

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1600.567 ± 0.263 $\chi^2/\text{NDF}: 2447761.7/34$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

Right Out: 1642.448 ± 0.266 $\chi^2/\text{NDF}: 2929079.6/38$

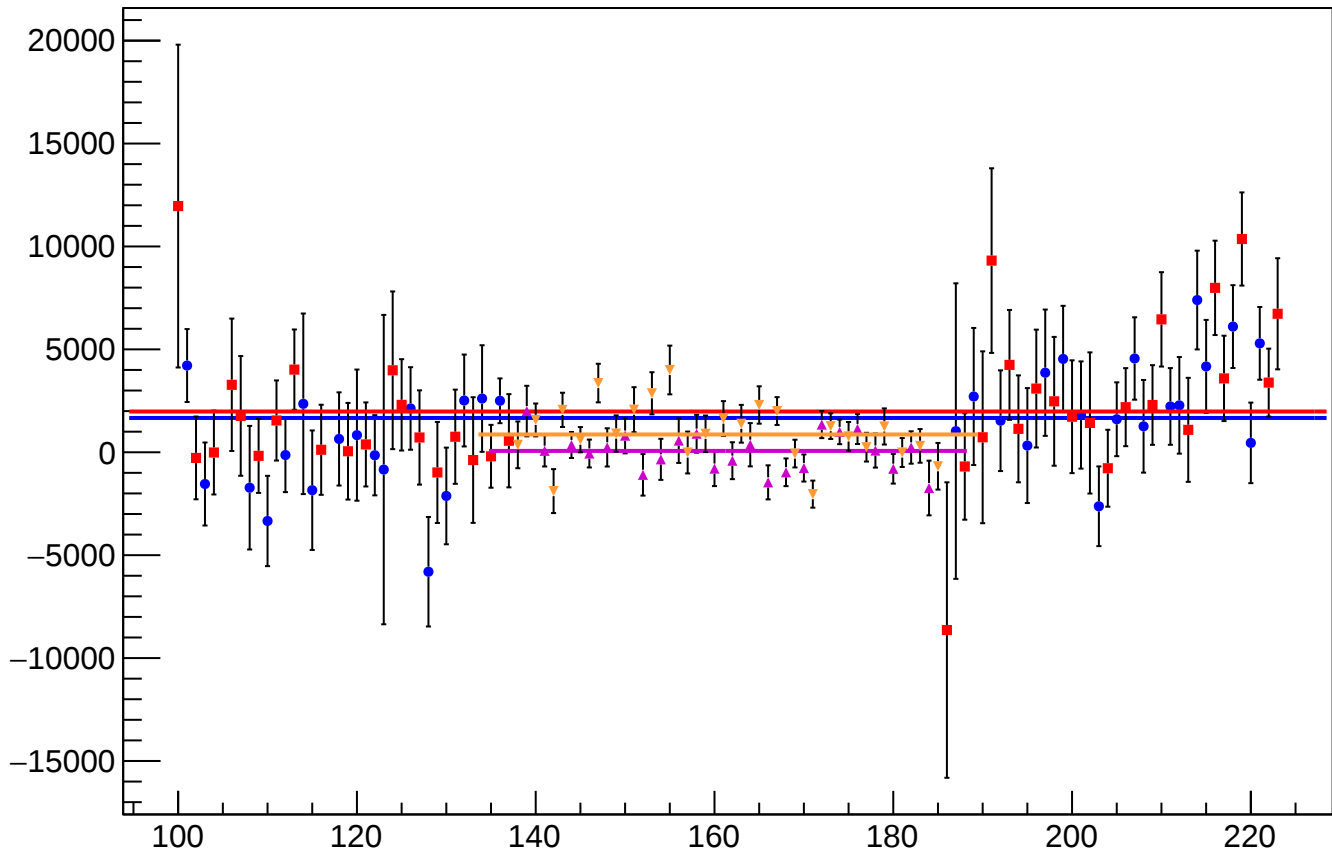
Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

+ sign 832.093 ± 0.105 $\chi^2/\text{NDF}: 13925422.0/59$

All: 835.478 ± 0.075 $\chi^2/\text{NDF}: 28918365.3/12$

- sign 839.000 ± 0.107 $\chi^2/\text{NDF}: 14990837.3/61$

asym_sam_2468_avg_mean vs Slug



Right In: 1667.250 ± 372.610 χ^2/NDF : 51.9/34

Left Out: 865.597 ± 163.885 χ^2/NDF : 62.8/24

Right Out: 1980.752 ± 376.846 χ^2/NDF : 52.2/38

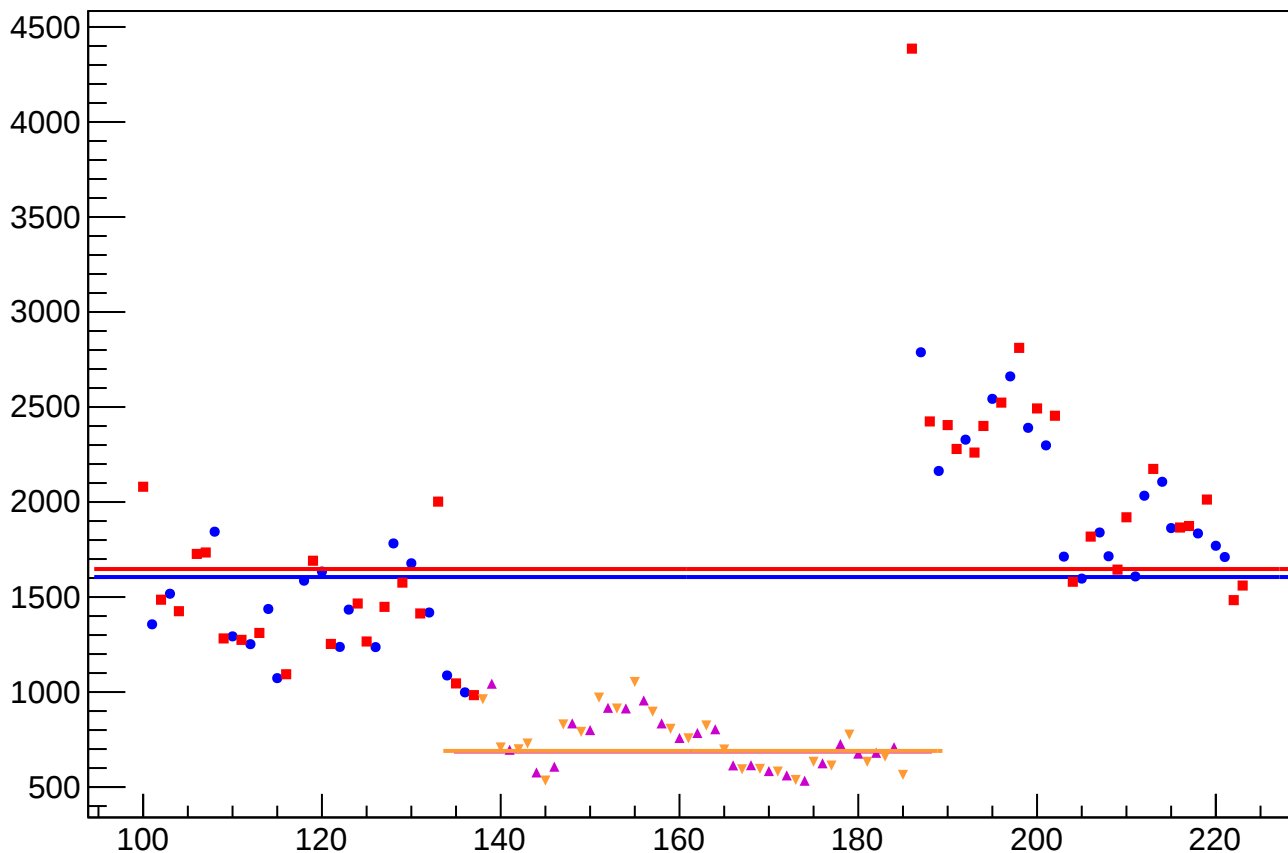
Left In: 65.924 ± 167.485 χ^2/NDF : 26.4/22

+ sign 995.540 ± 150.016 χ^2/NDF : 118.6/59

All: 694.795 ± 107.134 χ^2/NDF : 226.9/121

- sign 381.764 ± 153.050 χ^2/NDF : 100.1/61

asym_sam_2468_avg_rms vs Slug



Right In: 1605.221+/-0.263 χ^2/NDF : 2450688.9/34

Left Out: 690.166+/-0.116 χ^2/NDF :1258158.2/24

Right Out: 1647.378+/-0.266 χ^2/NDF : 2940107.1/38

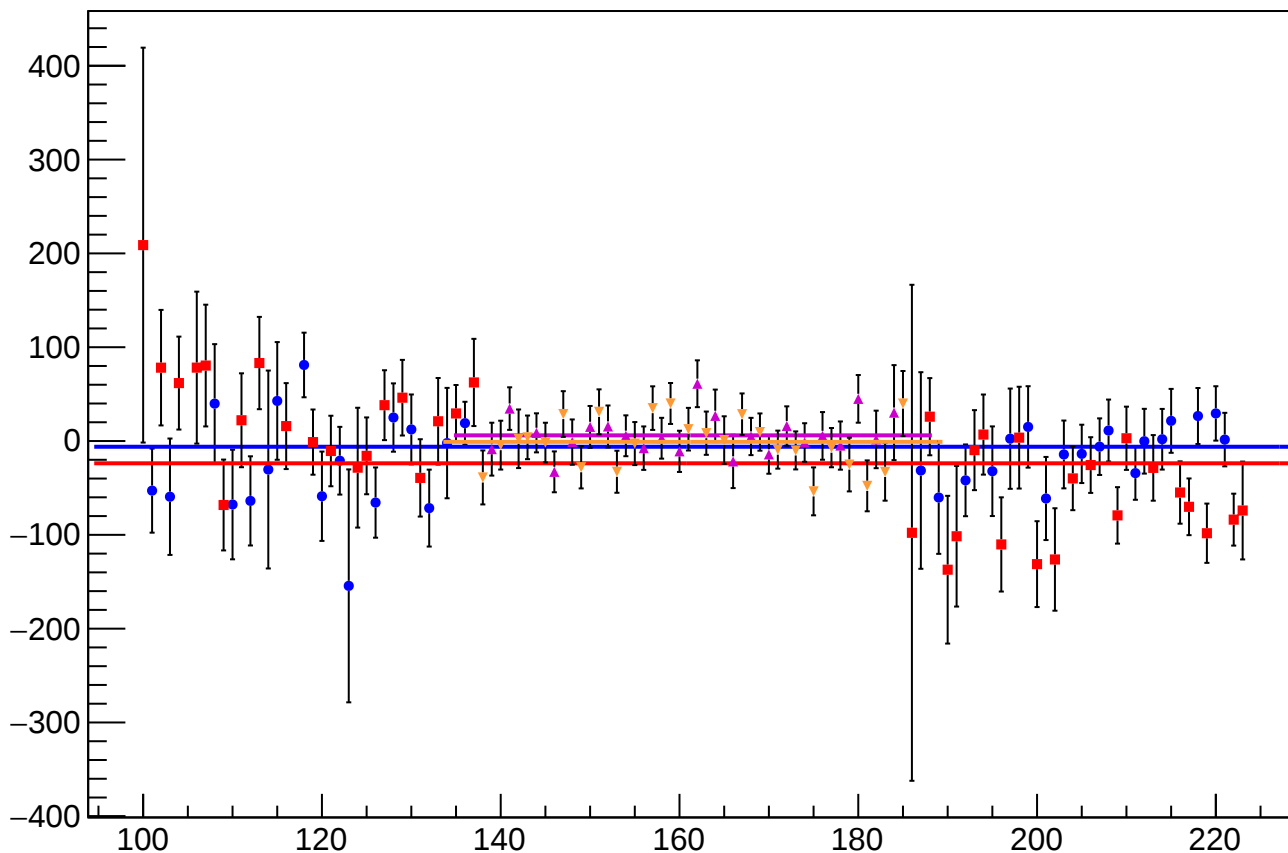
Left In: 687.216+/-0.118 χ^2/NDF :1099706.1/22

+ sign 838.491+/-0.106 χ^2/NDF : 13815579.7/59

All: 841.969+/-0.076 χ^2/NDF : 28699526.5/12

- sign 845.590+/-0.108 χ^2/NDF : 14881752.7/61

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -6.098 ± 6.545 χ^2/NDF : 30.9/34

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: -23.746 ± 6.711 χ^2/NDF : 68.5/38

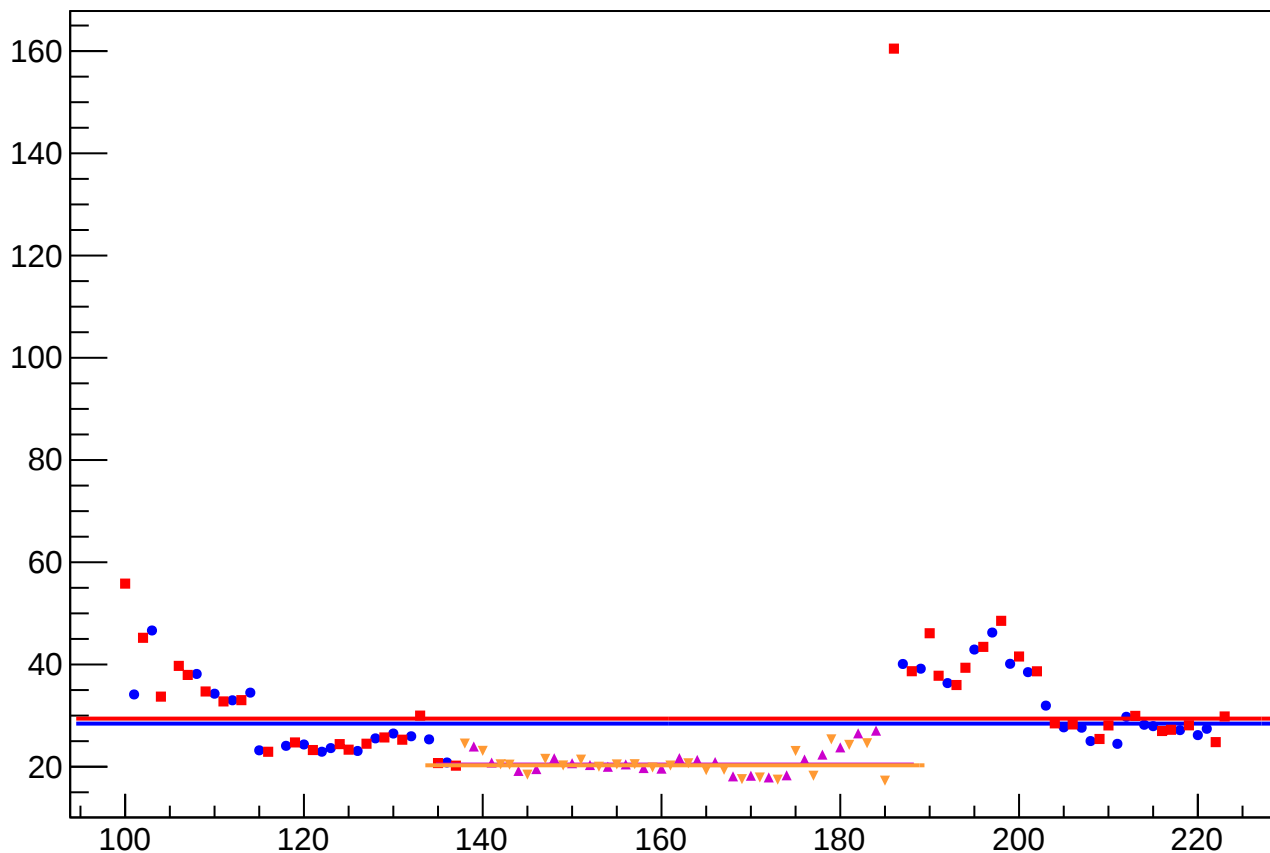
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -2.673 ± 3.850 χ^2/NDF : 59.2/59

All: -3.503 ± 2.764 χ^2/NDF : 157.5/121

- sign -4.385 ± 3.971 χ^2/NDF : 98.3/61

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.438 $\pm$ 0.005 χ^2 /NDF: 1634862.4/34

Left Out: 20.279 $\pm$ 0.003 χ^2 /NDF: 407056.4/24

Right Out: 29.412 $\pm$ 0.005 χ^2 /NDF: 2380744.3/38

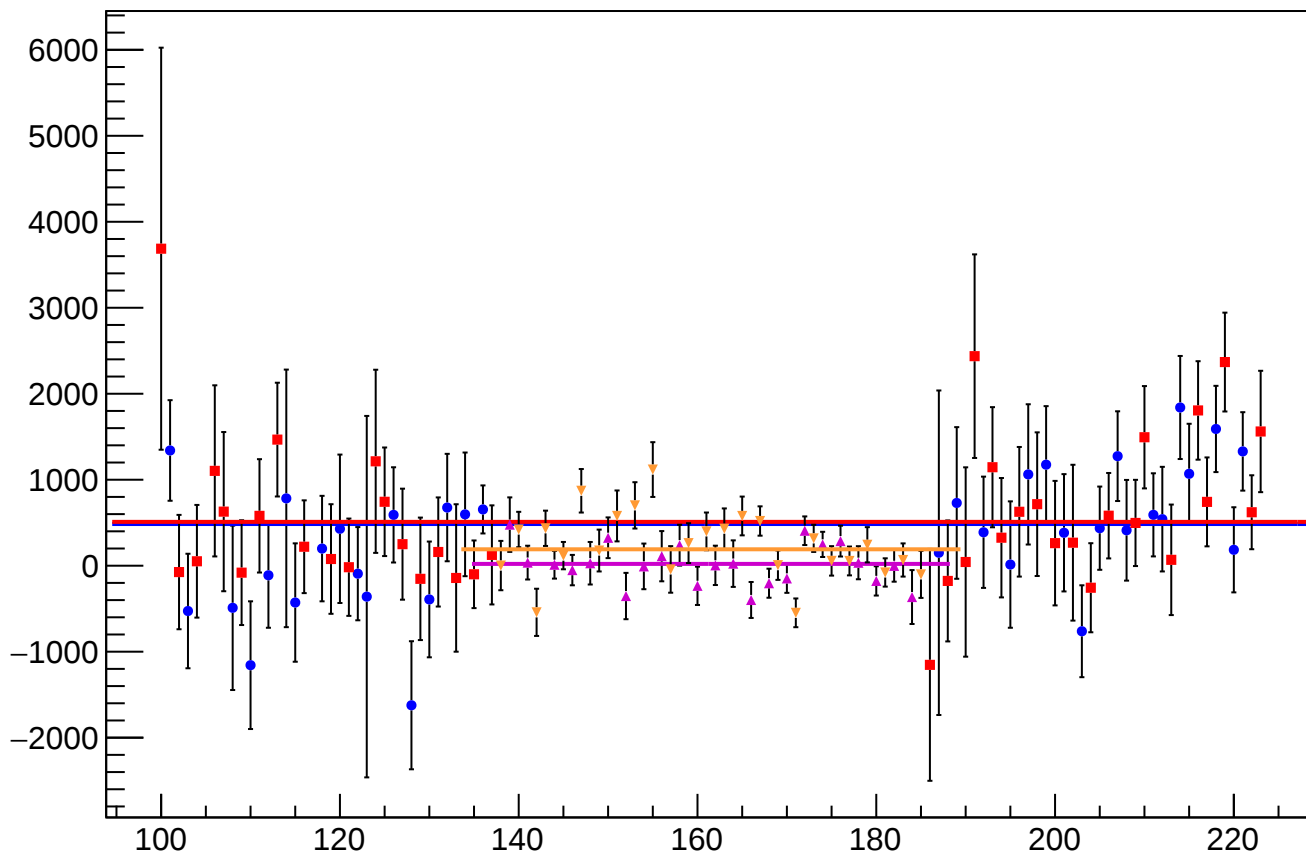
Left In: 20.424 $\pm$ 0.003 χ^2 /NDF: 323427.4/22

+ sign 23.102 $\pm$ 0.003 χ^2 /NDF: 4074091.0/59

All: 23.329 $\pm$ 0.002 χ^2 /NDF: 9124430.4/121

- sign 23.570 $\pm$ 0.003 χ^2 /NDF: 5035974.2/61

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 484.749 $\pm$ 101.486 χ^2 /NDF: 49.6/34

Left Out: 190.867 $\pm$ 41.314 χ^2 /NDF: 67.9/24

Right Out: 509.919 $\pm$ 103.629 χ^2 /NDF: 43.4/38

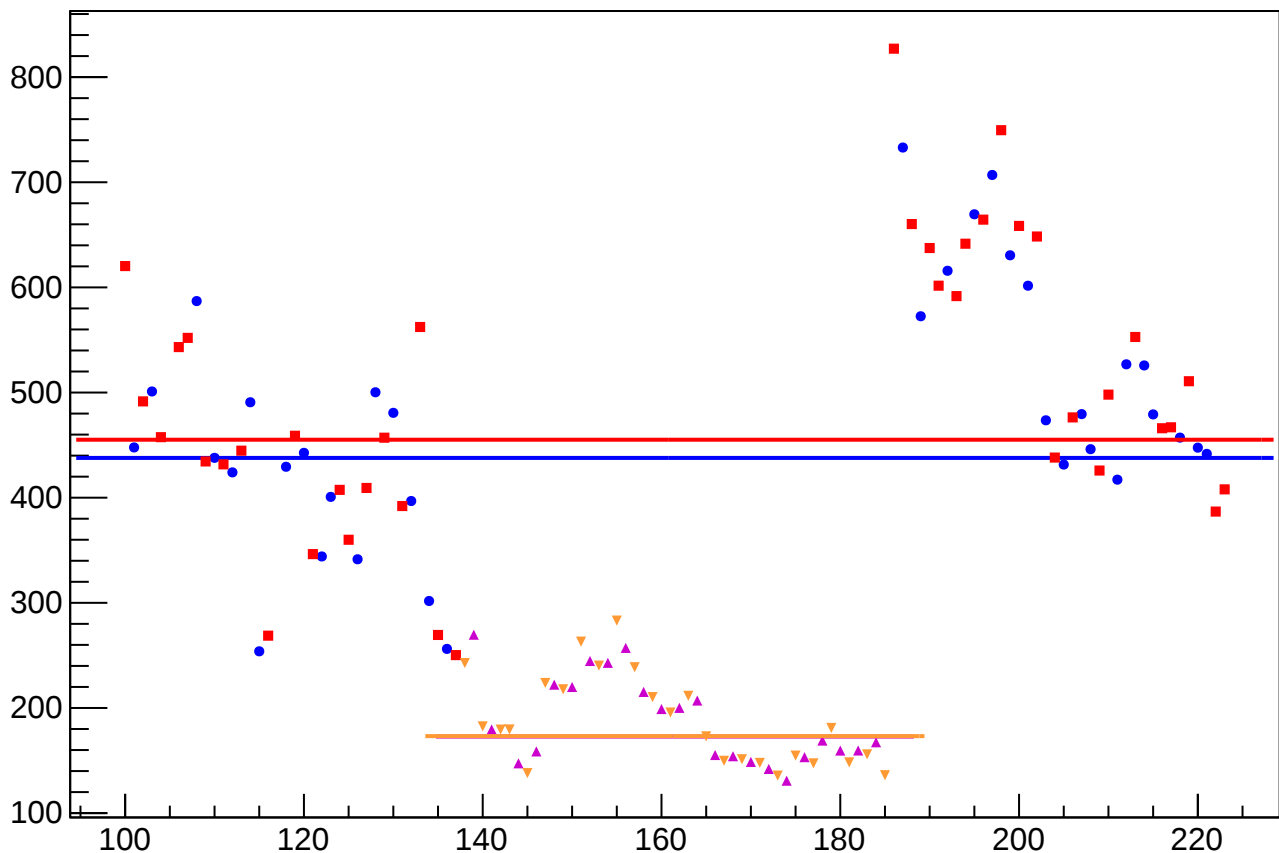
Left In: 20.998 $\pm$ 42.291 χ^2 /NDF: 27.7/22

+ sign 232.646 $\pm$ 38.265 χ^2 /NDF: 124.6/59

All: 163.355 $\pm$ 27.367 χ^2 /NDF: 221.6/121

- sign 90.799 $\pm$ 39.156 χ^2 /NDF: 90.2/61

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 437.822 ± 0.072 χ^2/NDF : 2347836.9/34

Left Out: 173.210 ± 0.029 χ^2/NDF : 1561250.6/24

Right Out: 455.133 ± 0.073 χ^2/NDF : 2609561.7/38

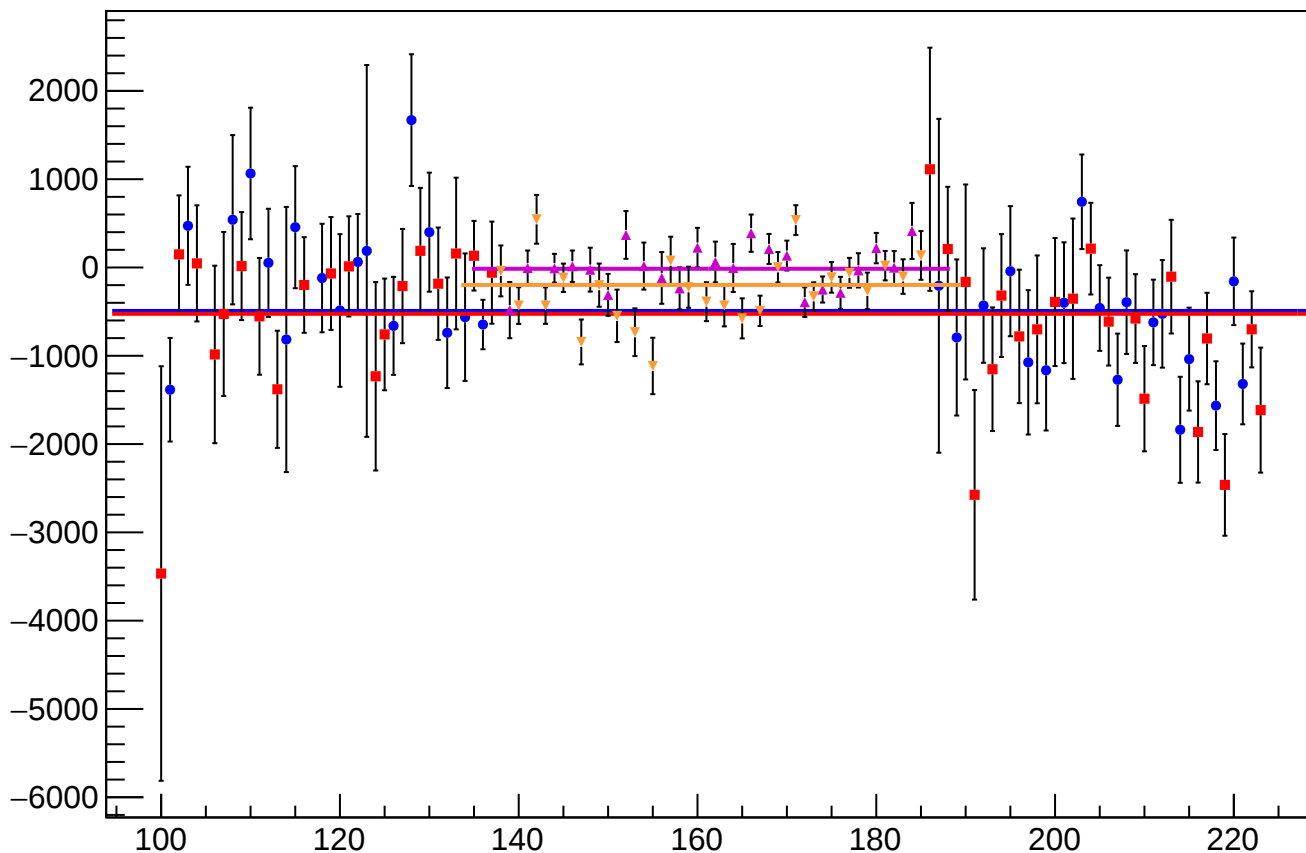
Left In: 172.828 ± 0.030 χ^2/NDF : 1372131.7/22

+ sign 210.828 ± 0.027 χ^2/NDF : 15573010.9/59

All: 211.953 ± 0.019 χ^2/NDF : 32281635.9/12

- sign 213.131 ± 0.028 χ^2/NDF : 16705084.9/61

asym_sam_1357_2468_dd_mean vs Slug



Right In: -492.116 ± 101.731 χ^2/NDF : 48.7/34

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -524.567 ± 103.898 χ^2/NDF : 45.3/38

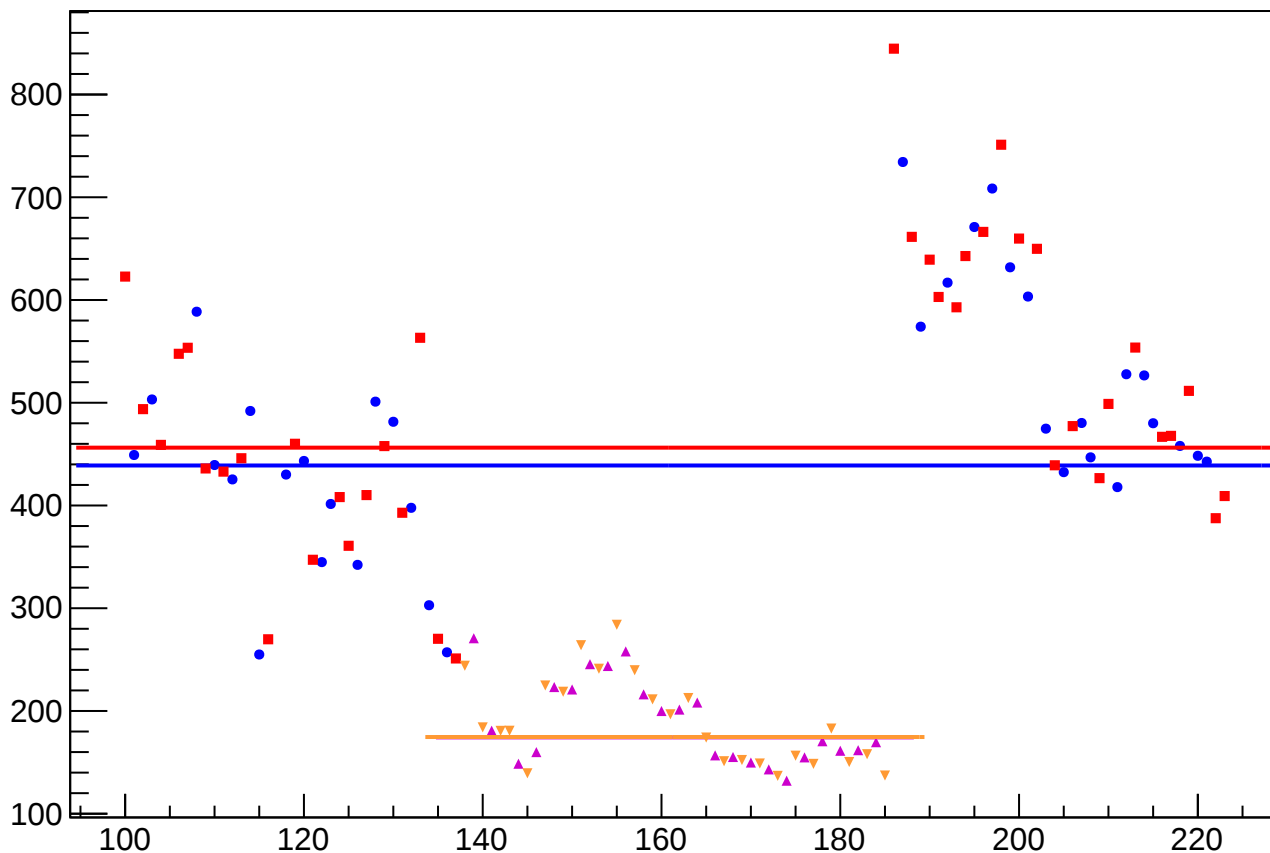
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -240.131 ± 38.535 χ^2/NDF : 120.1/59

All: -165.874 ± 27.562 χ^2/NDF : 221.4/121

- sign -88.095 ± 39.439 χ^2/NDF : 93.7/61

asym_sam_1357_2468_dd_rms vs Slug



Right In: 438.933 $\pm$ 0.072 χ^2/NDF : 2340012.7/34

Left Out: 174.648 $\pm$ 0.029 χ^2/NDF : 1531999.5/24

Right Out: 456.287 $\pm$ 0.073 χ^2/NDF : 2611833.3/38

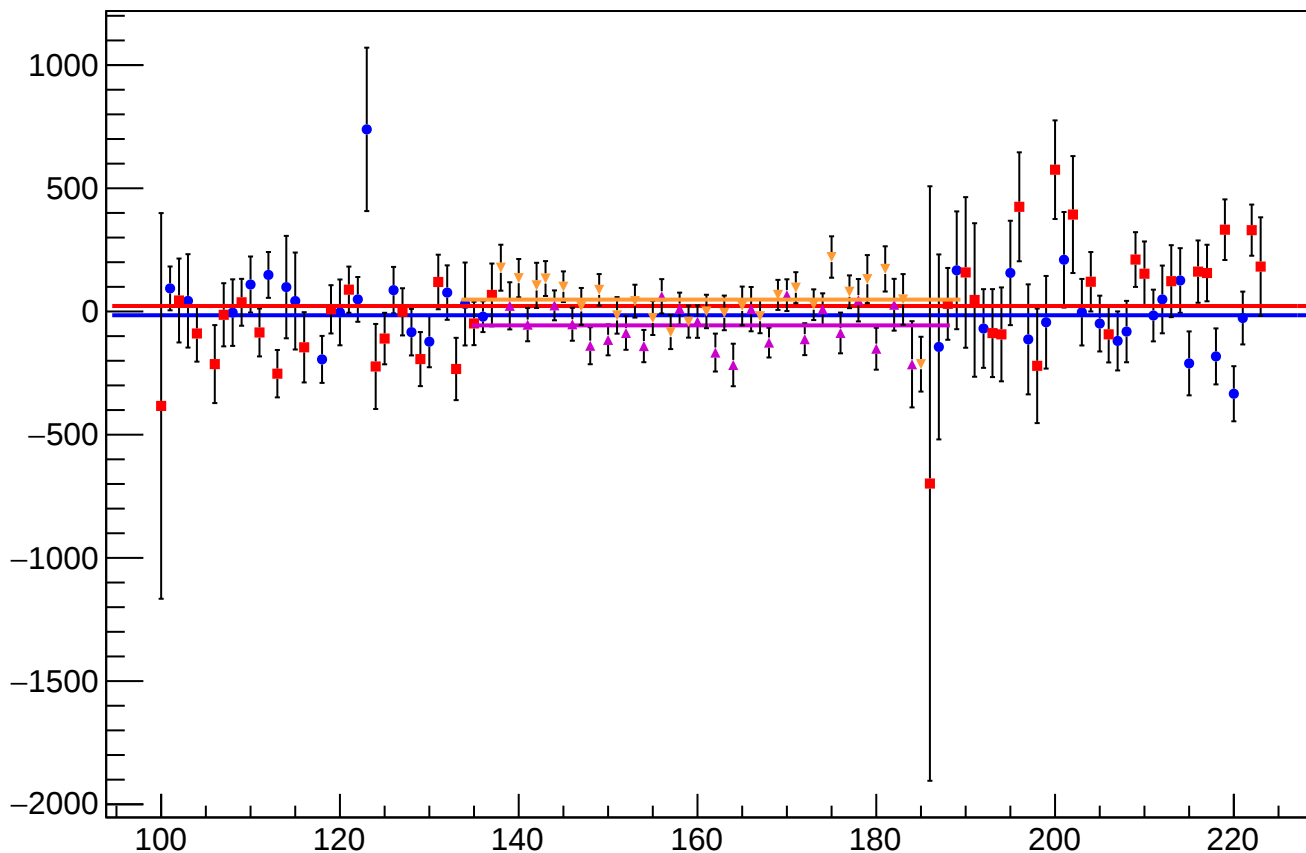
Left In: 174.288 $\pm$ 0.030 χ^2/NDF : 1344779.5/22

+ sign 212.569 $\pm$ 0.027 χ^2/NDF : 15433146.5/59

All: 213.718 $\pm$ 0.019 χ^2/NDF : 32004165.5/12

- sign 214.921 $\pm$ 0.028 χ^2/NDF : 16567378.2/61

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -15.275 ± 20.536 χ^2/NDF : 37.1/34

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: 22.237 ± 20.757 χ^2/NDF : 68.2/38

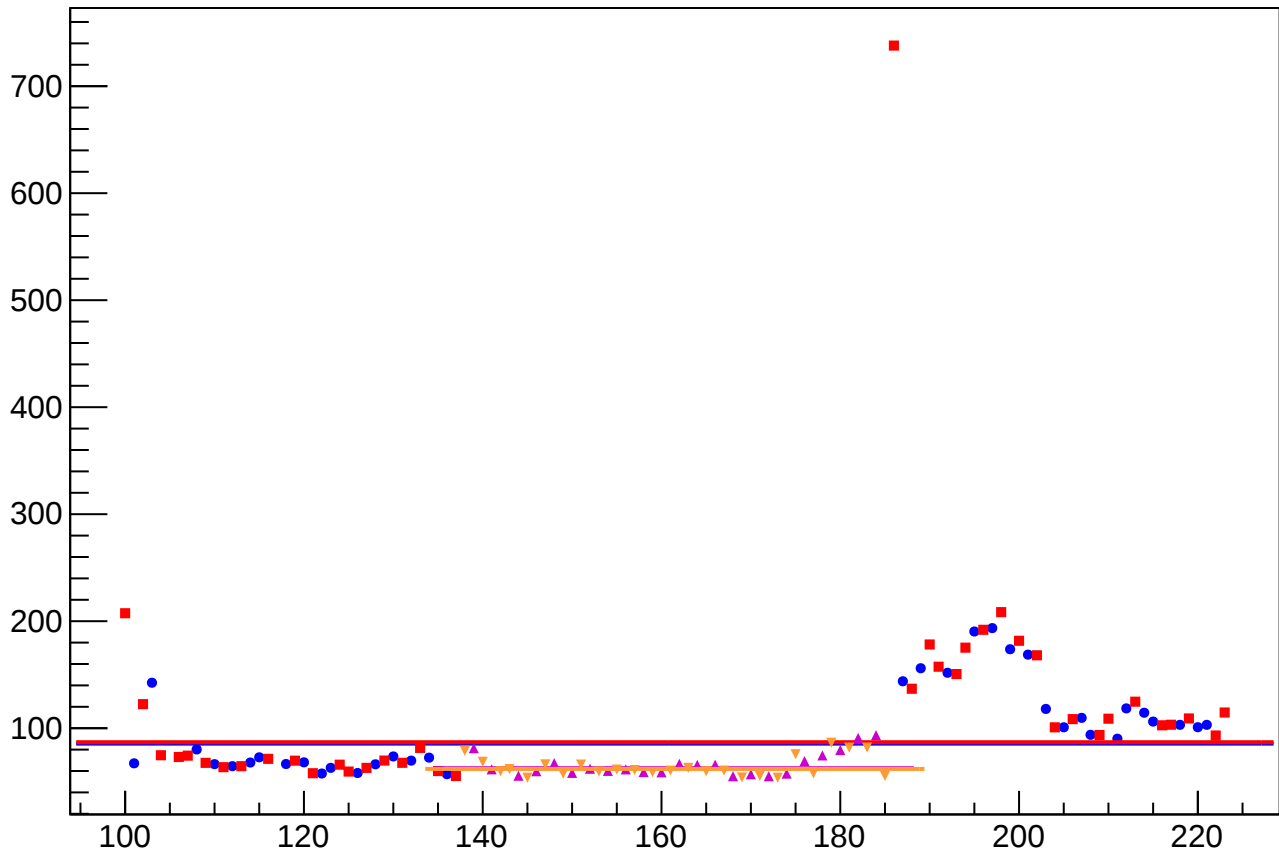
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 26.881 ± 11.908 χ^2/NDF : 72.8/59

All: -0.257 ± 8.540 χ^2/NDF : 188.5/121

- sign -28.996 ± 12.254 χ^2/NDF : 105.0/61

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 85.597+/-0.015 χ^2 /NDF: 4492258.2/34

Left Out: 61.946+/-0.010 χ^2 /NDF: 604989.2/24

Right Out: 86.927+/-0.015 χ^2 /NDF: 5435626.2/38

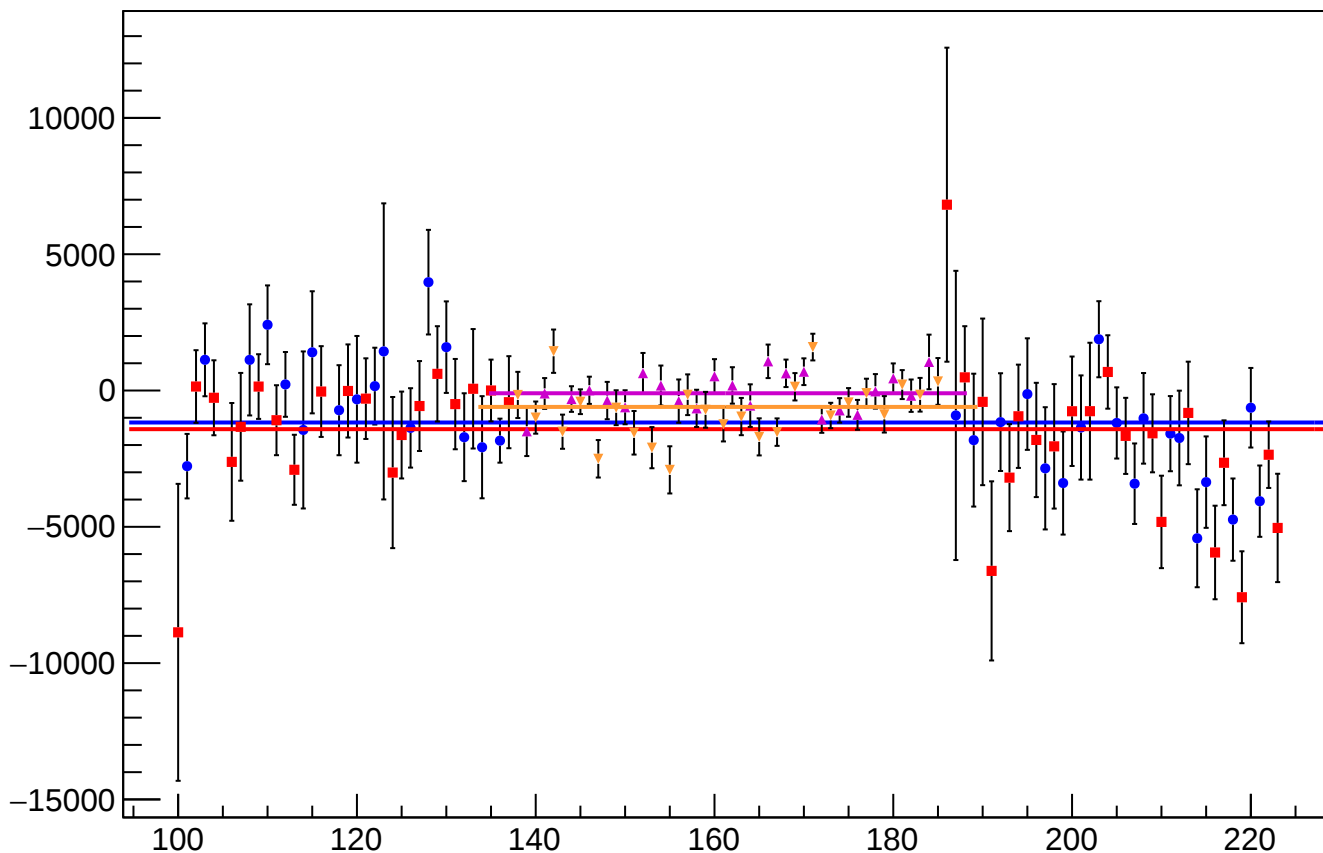
Left In: 62.607+/-0.011 χ^2 /NDF: 575516.1/22

+ sign 69.898+/-0.008 χ^2 /NDF: 6857969.1/59

All: 70.474+/-0.006 χ^2 /NDF: 14667392.9/121

- sign 71.083+/-0.009 χ^2 /NDF: 7799805.6/61

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -1173.126 ± 268.647 χ^2/NDF : 54.7/34

Left Out: -601.486 ± 122.119 χ^2/NDF : 65.4/24

Right Out: -1417.838 ± 270.218 χ^2/NDF : 52.3/38

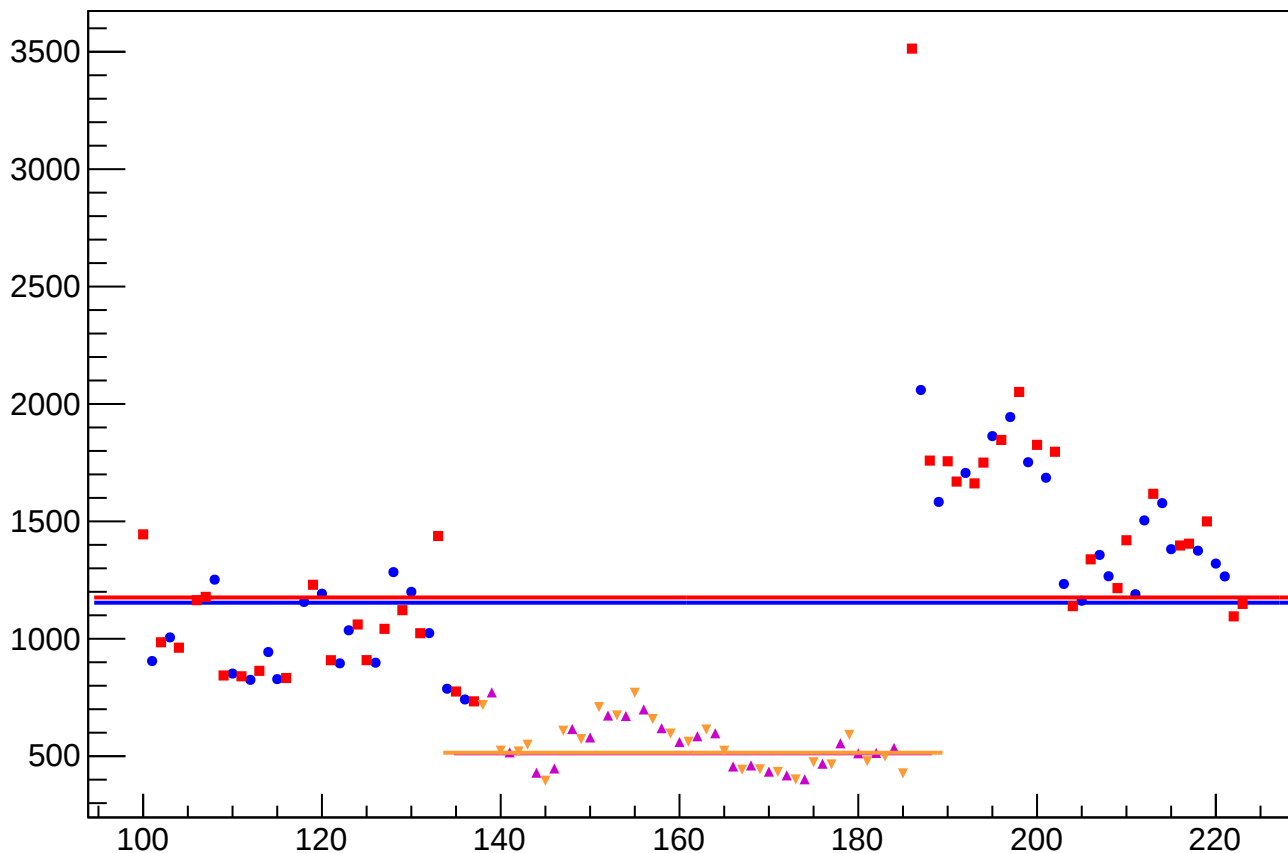
Left In: -100.548 ± 124.725 χ^2/NDF : 25.5/22

+ sign -699.378 ± 111.172 χ^2/NDF : 123.8/59

All: -519.033 ± 79.333 χ^2/NDF : 226.5/121

- sign -331.903 ± 113.244 χ^2/NDF : 97.4/61

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1153.638 $\pm$ 0.190 χ^2 /NDF: 2685603.9/34

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 1175.927 $\pm$ 0.191 χ^2 /NDF: 3284051.6/38

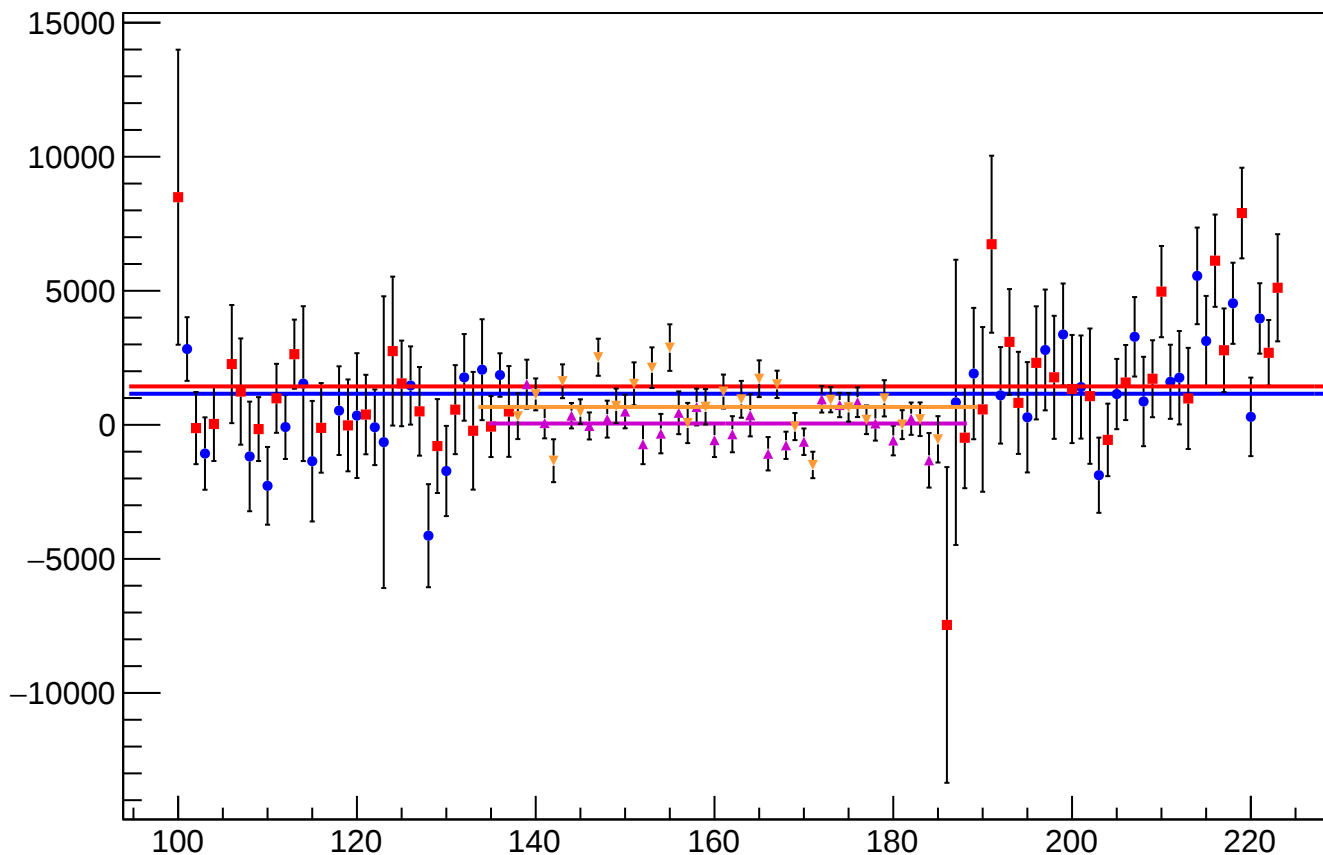
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 624.164 $\pm$ 0.079 χ^2 /NDF: 13254659.2/59

All: 626.424 $\pm$ 0.056 χ^2 /NDF: 27528945.3/12

- sign 628.770 $\pm$ 0.080 χ^2 /NDF: 14272601.9/61

asym_sam_12345678_avg_mean vs Slug



Right In: 1160.410+/-269.619 χ^2/NDF : 53.2/34

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: 1433.318+/-271.301 χ^2/NDF : 54.9/38

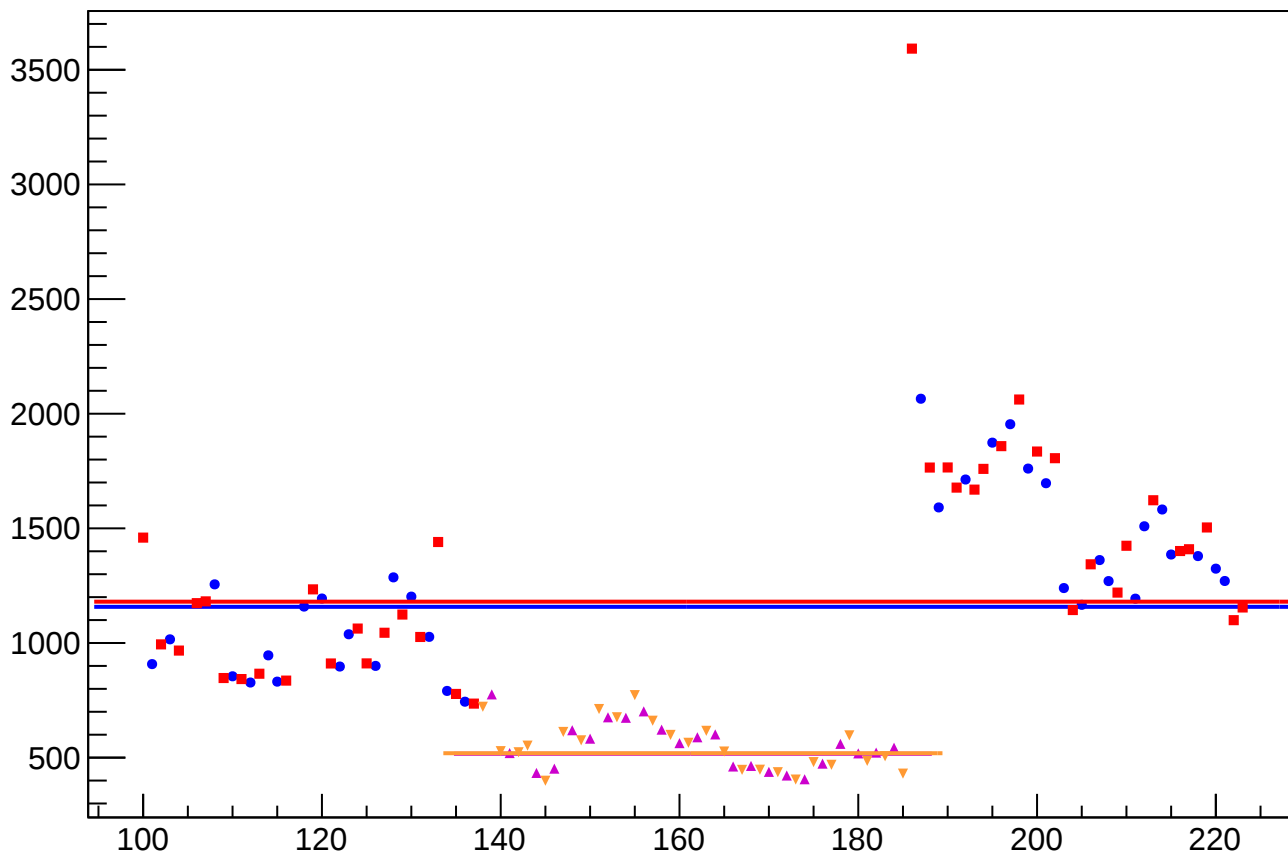
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 752.681+/-112.015 χ^2/NDF : 117.5/59

All: 528.061+/-79.944 χ^2/NDF : 228.1/121

- sign 294.874+/-114.131 χ^2/NDF : 102.4/61

asym_sam_12345678_avg_rms vs Slug



Right In: 1157.735 $\pm$ 0.191 χ^2 /NDF: 2691085.6/34

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF: 1172411.1/24

Right Out: 1180.241 $\pm$ 0.192 χ^2 /NDF: 3296745.9/38

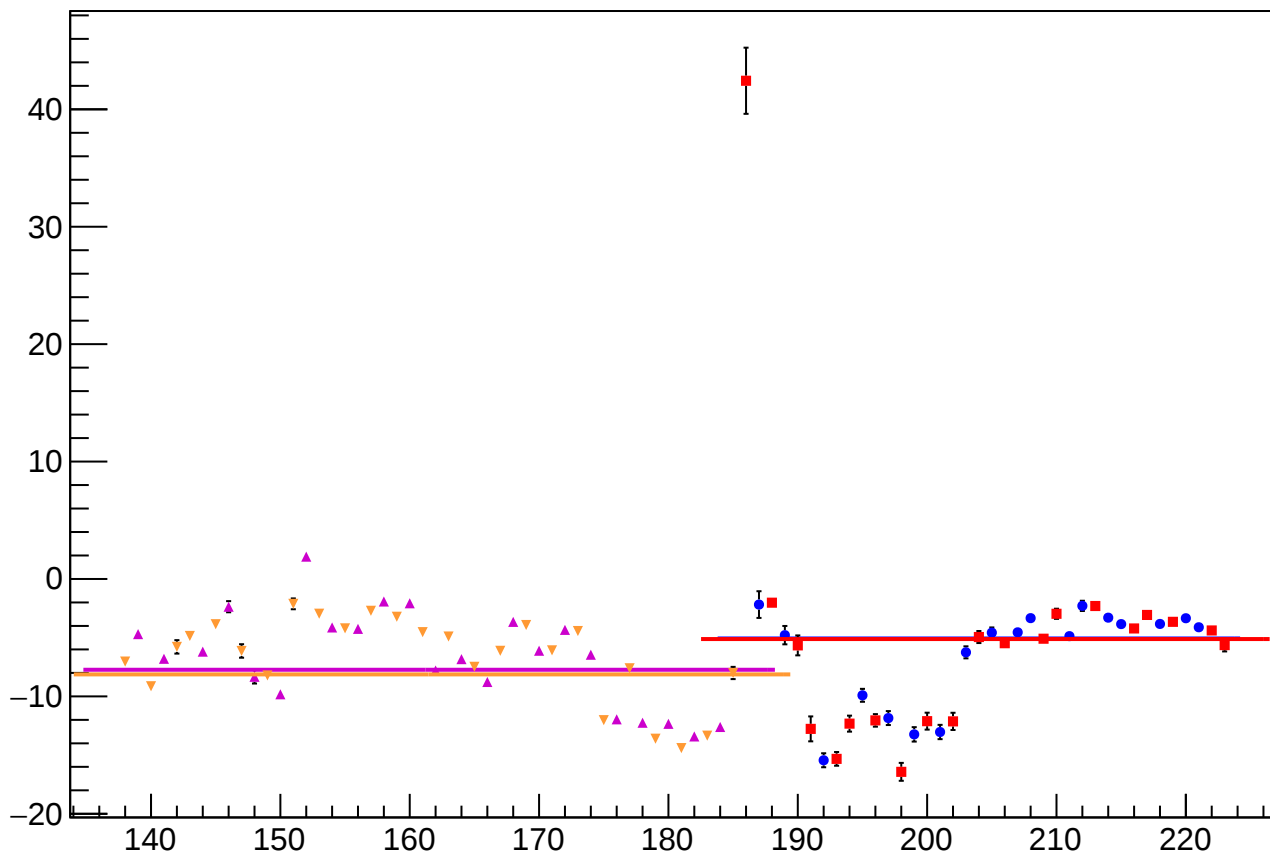
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF: 1021374.1/22

+ sign 629.458 $\pm$ 0.079 χ^2 /NDF: 13143270.4/59

All: 631.787 $\pm$ 0.057 χ^2 /NDF: 27306812.8/12

- sign 634.204 $\pm$ 0.081 χ^2 /NDF: 14161780.6/61

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -5.070 ± 0.097 χ^2/NDF : 1043.8/17

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -5.116 ± 0.097 χ^2/NDF : 1600.5/19

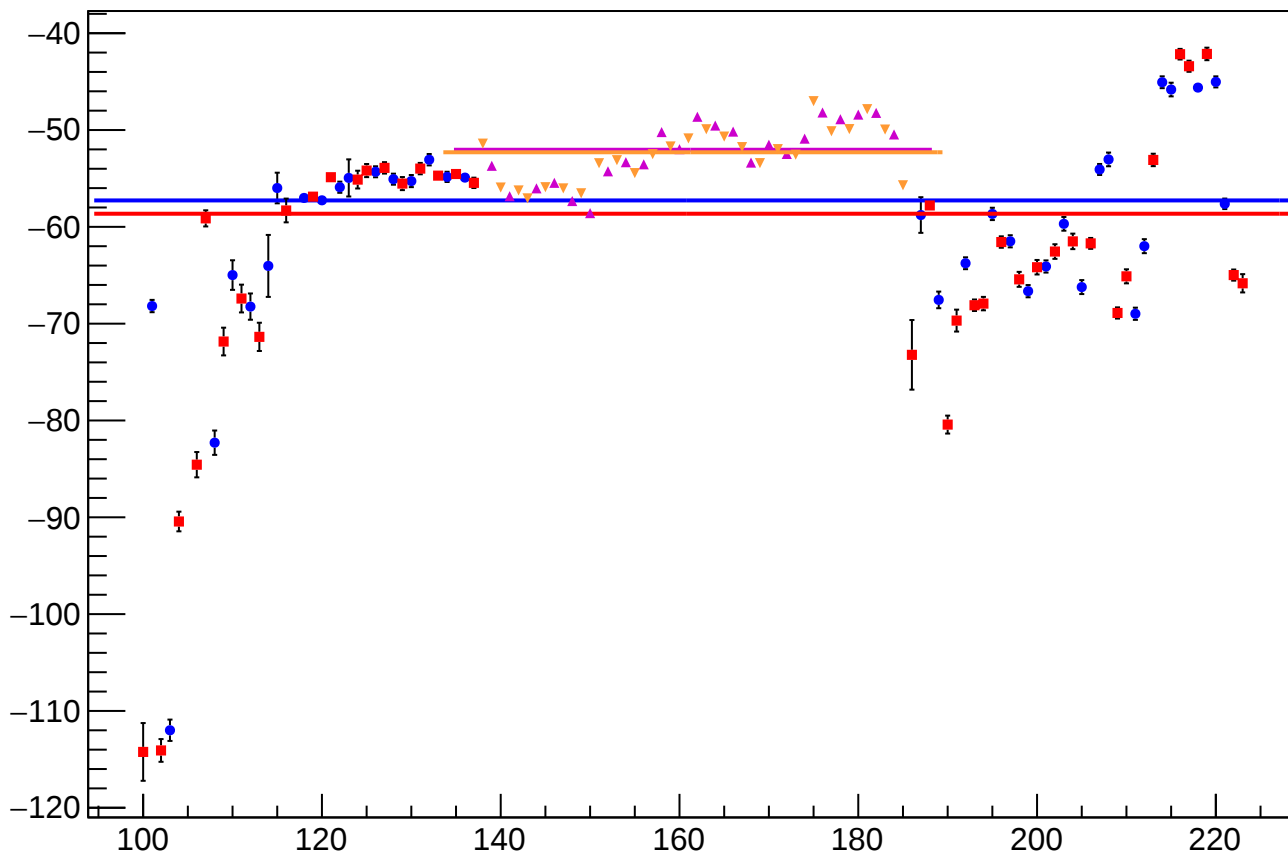
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -7.129 ± 0.055 χ^2/NDF : 5351.7/42

All: -6.997 ± 0.039 χ^2/NDF : 11163.6/85

- sign -6.861 ± 0.056 χ^2/NDF : 5800.4/42

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.271 ± 0.104 χ^2/NDF : 6446.2/34

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -58.645 ± 0.104 χ^2/NDF : 8972.5/38

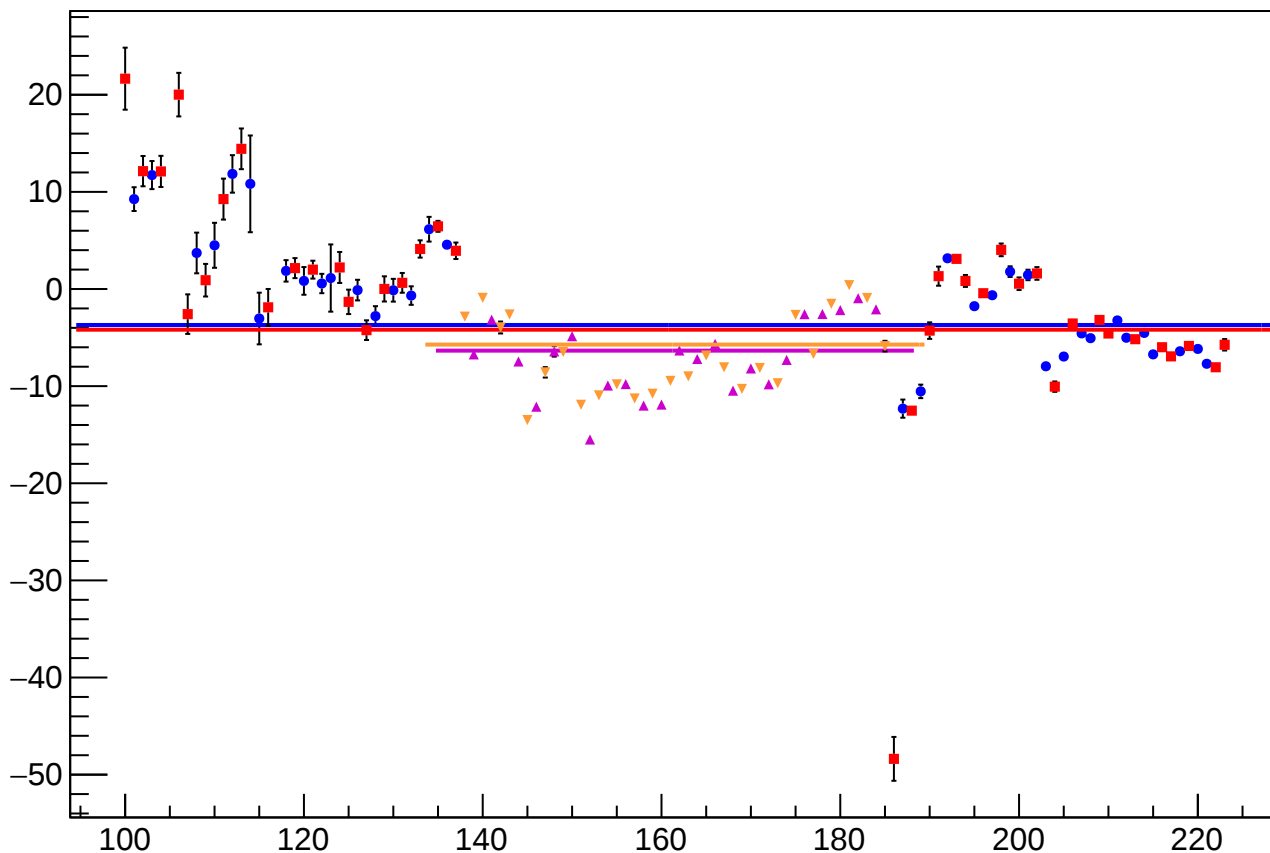
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.383 ± 0.049 χ^2/NDF : 10885.4/59

All: -53.475 ± 0.035 χ^2/NDF : 26151.6/121

- sign -53.573 ± 0.050 χ^2/NDF : 15258.7/61

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -3.704 ± 0.092 χ^2/NDF : 1975.2/34

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -4.188 ± 0.092 χ^2/NDF : 3551.1/38

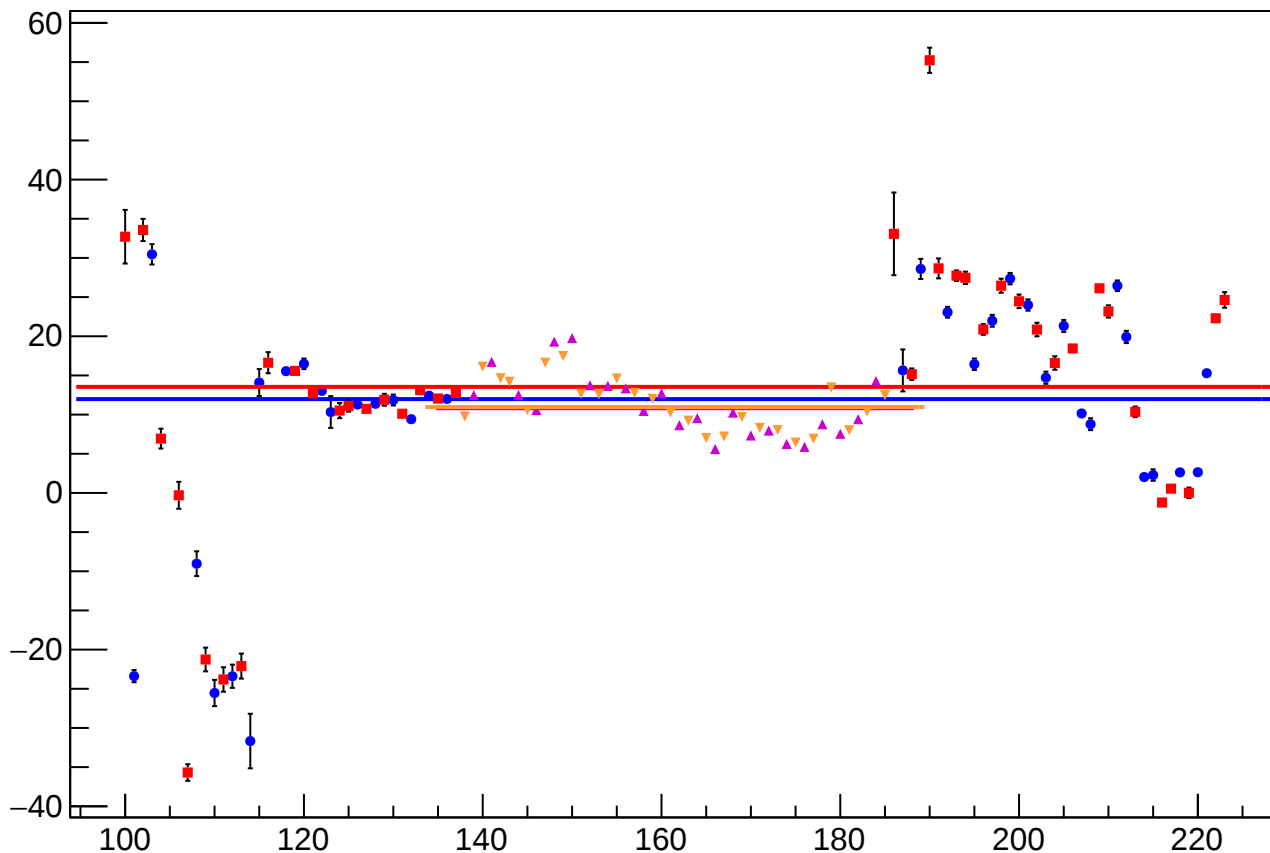
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -5.017 ± 0.055 χ^2/NDF : 6269.5/59

All: -5.293 ± 0.039 χ^2/NDF : 13608.6/121

- sign -5.574 ± 0.055 χ^2/NDF : 7287.4/61

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 11.979 ± 0.115 χ^2/NDF : 6956.8/34

Left Out: 10.967 ± 0.061 χ^2/NDF : 2637.7/24

Right Out: 13.539 ± 0.116 χ^2/NDF : 8885.2/38

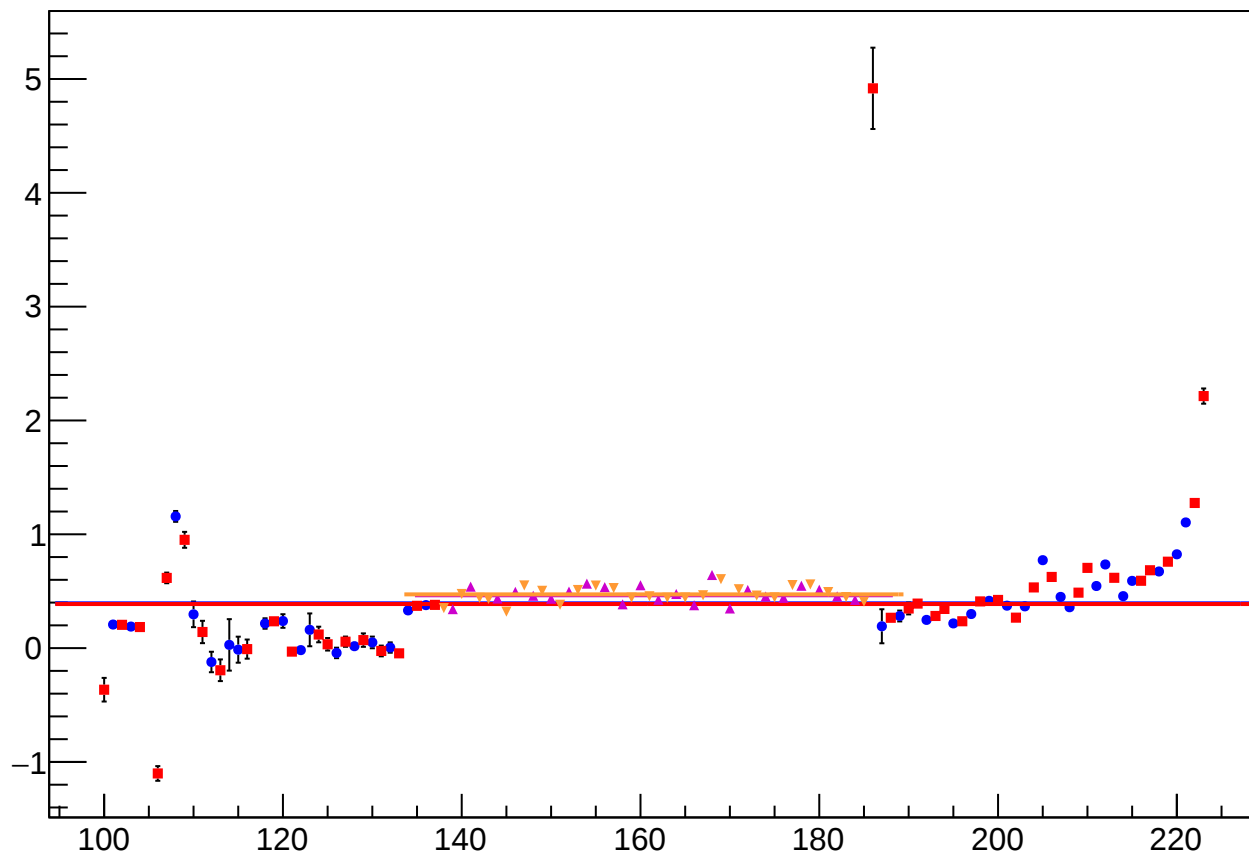
Left In: 10.813 ± 0.063 χ^2/NDF : 3546.8/22

+ sign 11.192 ± 0.054 χ^2/NDF : 9654.9/59

All: 11.310 ± 0.039 χ^2/NDF : 22521.5/121

- sign 11.435 ± 0.055 χ^2/NDF : 12856.9/61

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.393 ± 0.005 $\chi^2/\text{NDF}: 1837.2/34$

Left Out: 0.472 ± 0.003 $\chi^2/\text{NDF}: 519.0/24$

Right Out: 0.387 ± 0.005 $\chi^2/\text{NDF}: 3356.9/38$

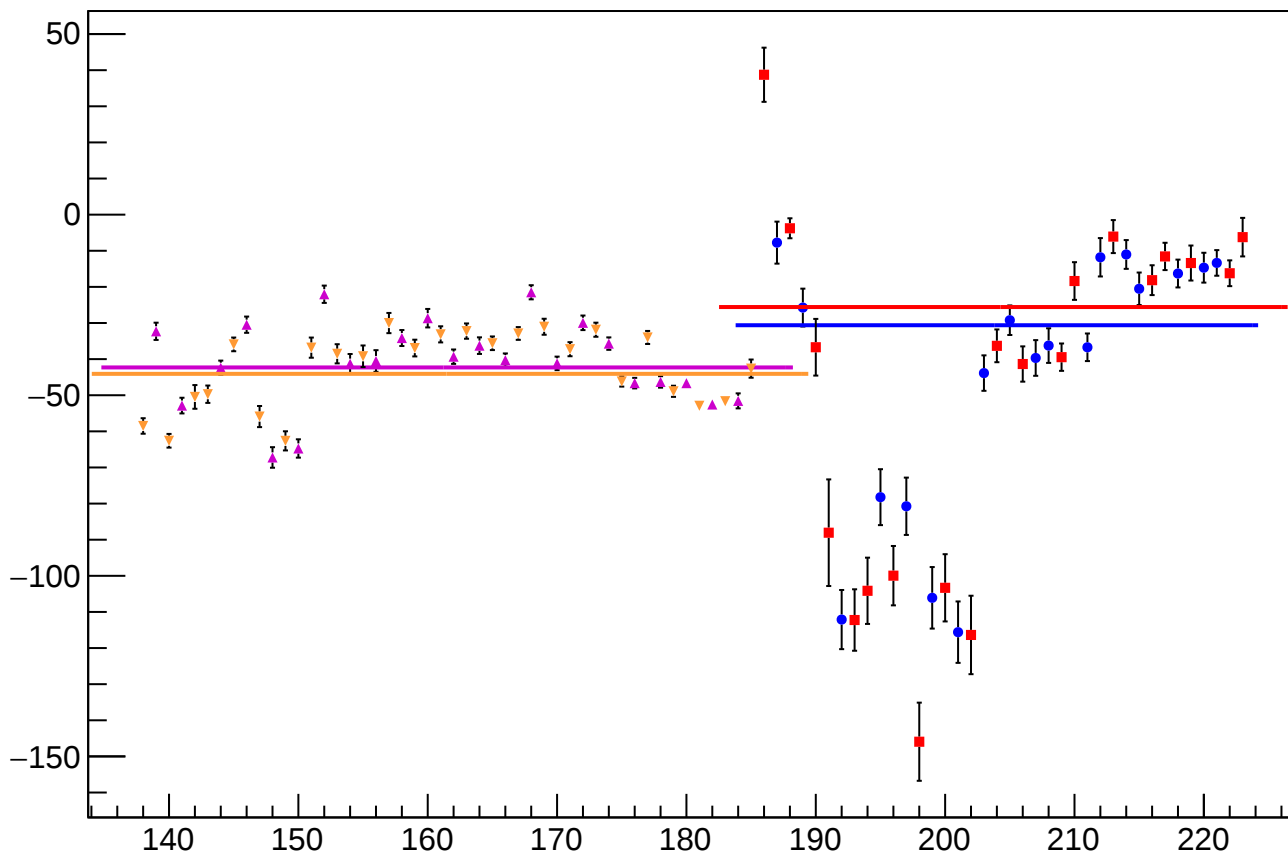
Left In: 0.464 ± 0.003 $\chi^2/\text{NDF}: 733.1/22$

+ sign 0.455 ± 0.002 $\chi^2/\text{NDF}: 2536.2/59$

All: 0.451 ± 0.002 $\chi^2/\text{NDF}: 6796.7/121$

- sign 0.448 ± 0.002 $\chi^2/\text{NDF}: 4256.1/61$

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -30.617 ± 1.156 $\chi^2/\text{NDF}: 480.3/17$

Left Out: -44.077 ± 0.389 $\chi^2/\text{NDF}: 632.6/24$

Right Out: -25.581 ± 1.141 $\chi^2/\text{NDF}: 770.9/19$

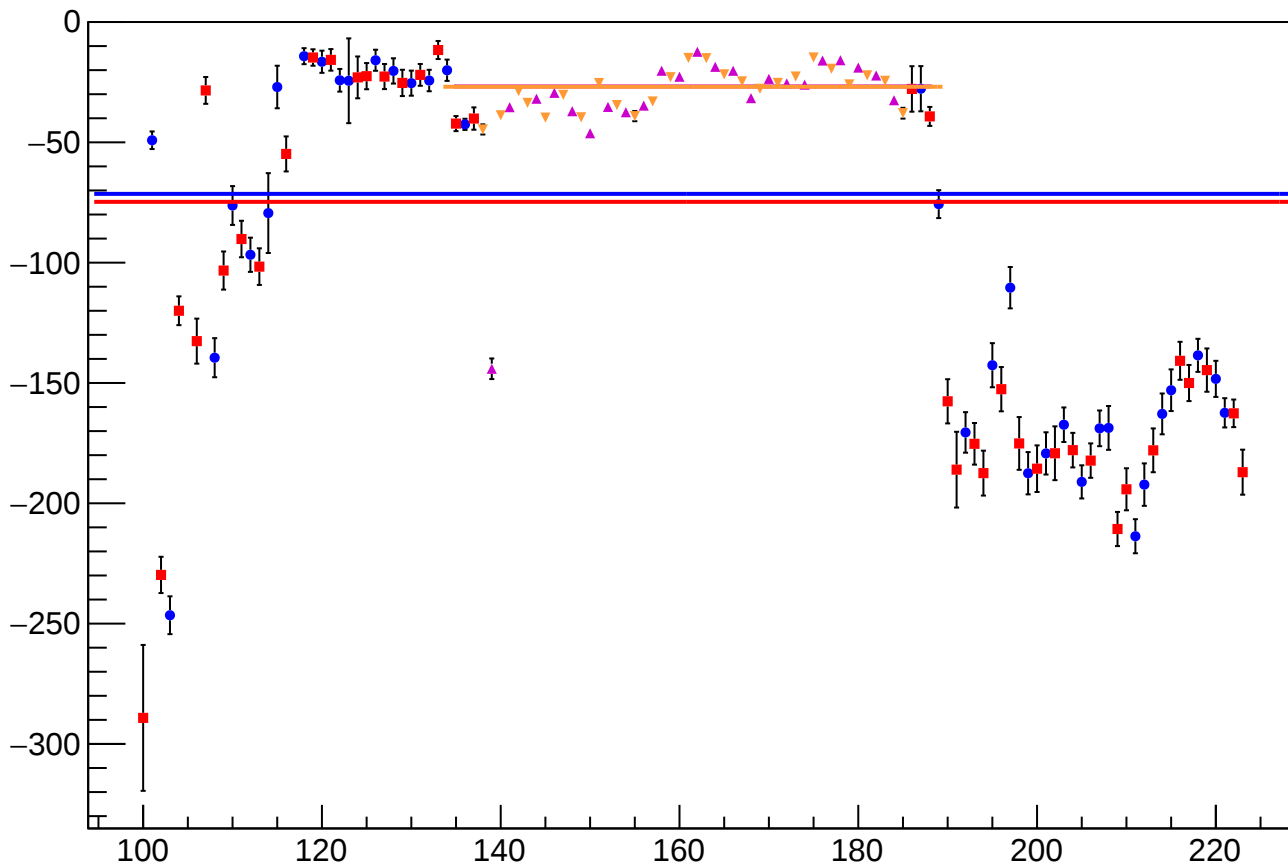
Left In: -42.304 ± 0.399 $\chi^2/\text{NDF}: 640.6/22$

+ sign -42.710 ± 0.368 $\chi^2/\text{NDF}: 1234.7/42$

All: -41.621 ± 0.263 $\chi^2/\text{NDF}: 2855.5/85$

- sign -40.481 ± 0.377 $\chi^2/\text{NDF}: 1603.0/42$

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -71.416 ± 0.971 χ^2/NDF : 4479.8/34

Left Out: -26.902 ± 0.316 χ^2/NDF : 631.0/24

Right Out: -74.726 ± 0.996 χ^2/NDF : 4665.0/38

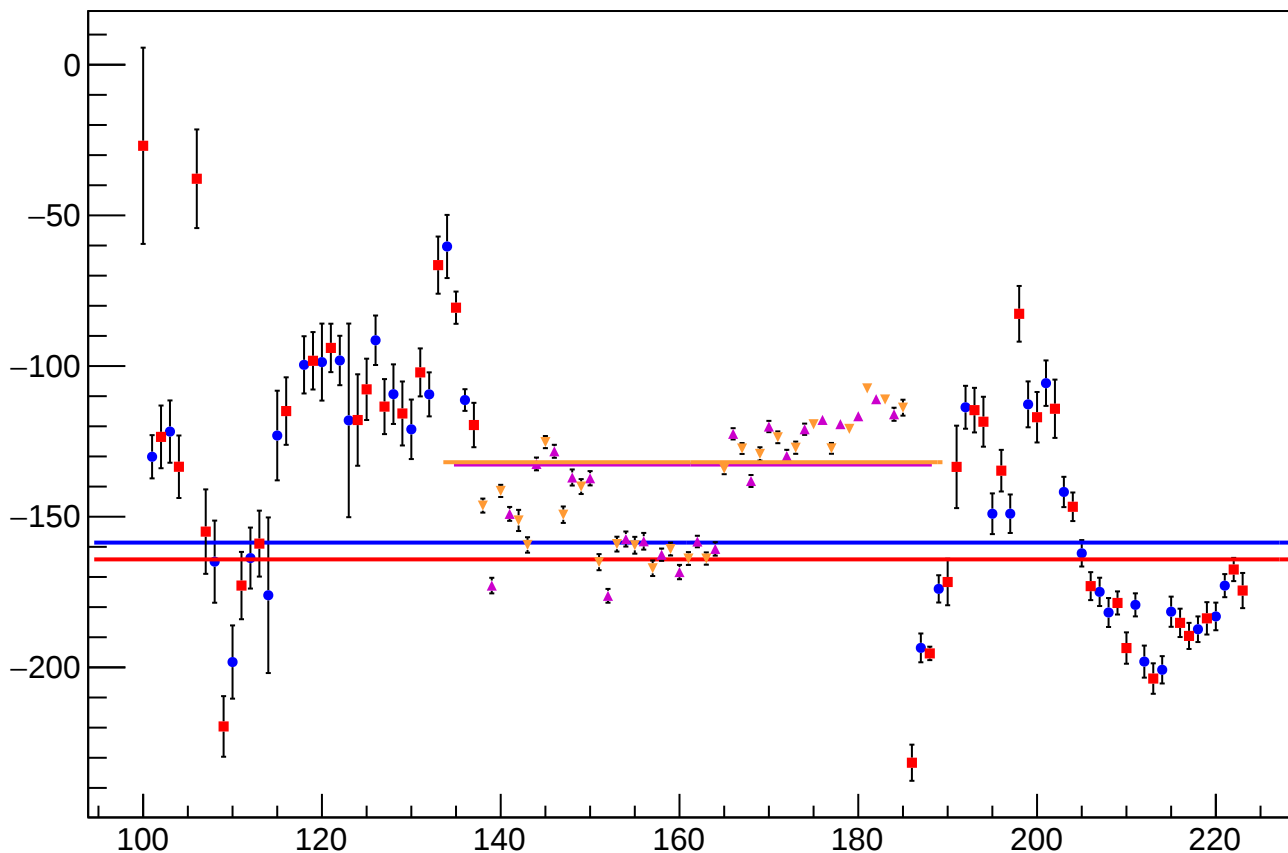
Left In: -26.774 ± 0.326 χ^2/NDF : 1394.5/22

+ sign -31.169 ± 0.301 χ^2/NDF : 7009.8/59

All: -31.291 ± 0.216 χ^2/NDF : 15162.7/121

- sign -31.421 ± 0.310 χ^2/NDF : 8152.6/61

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -158.590 ± 1.017 $\chi^2/\text{NDF}: 1096.7/34$

Left Out: -131.912 ± 0.391 $\chi^2/\text{NDF}: 2439.3/24$

Right Out: -164.162 ± 0.995 $\chi^2/\text{NDF}: 1569.7/38$

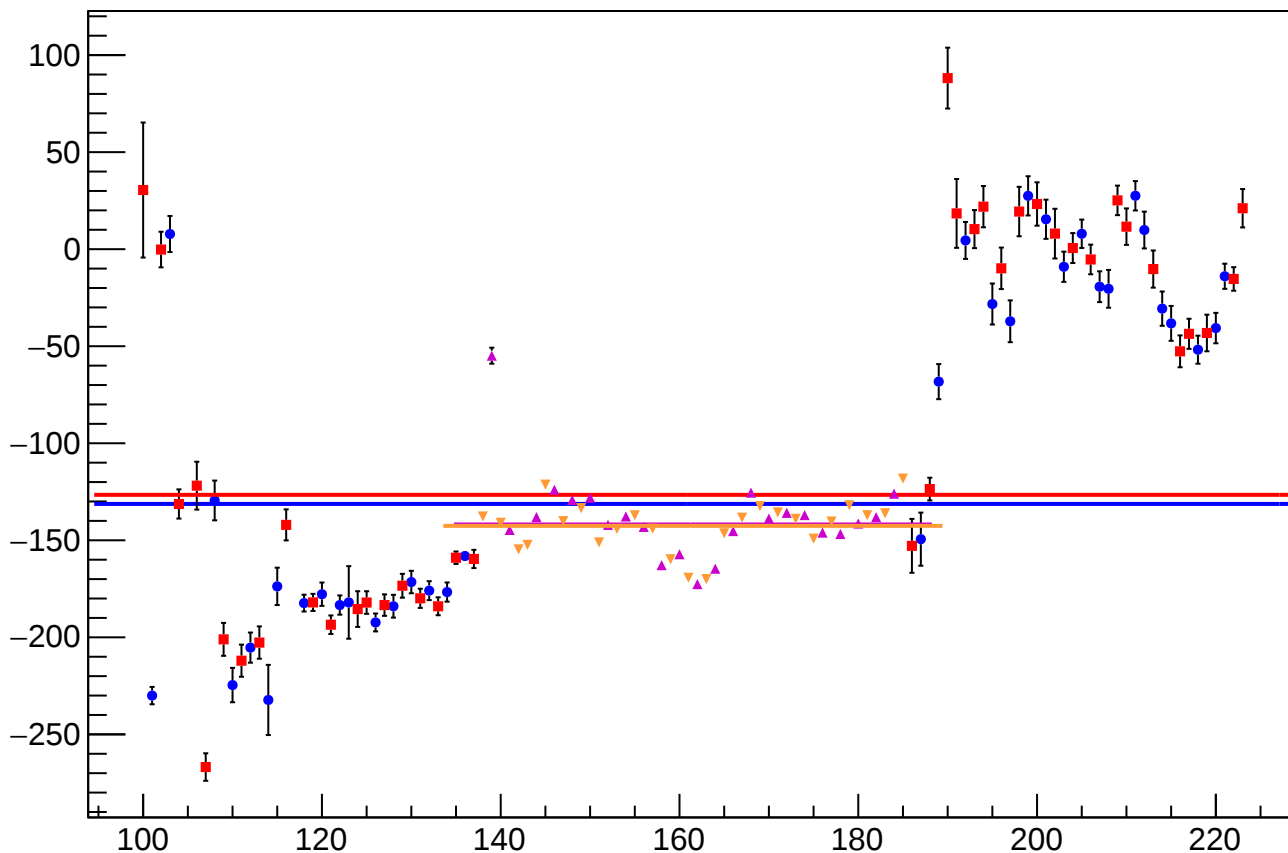
Left In: -132.690 ± 0.399 $\chi^2/\text{NDF}: 2480.2/22$

+ sign -135.356 ± 0.365 $\chi^2/\text{NDF}: 4135.5/59$

All: -136.195 ± 0.260 $\chi^2/\text{NDF}: 9058.1/121$

- sign -137.059 ± 0.371 $\chi^2/\text{NDF}: 4911.9/61$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -131.260 ± 1.083 χ^2/NDF : 5187.8/34

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -126.579 ± 1.129 χ^2/NDF : 5253.7/38

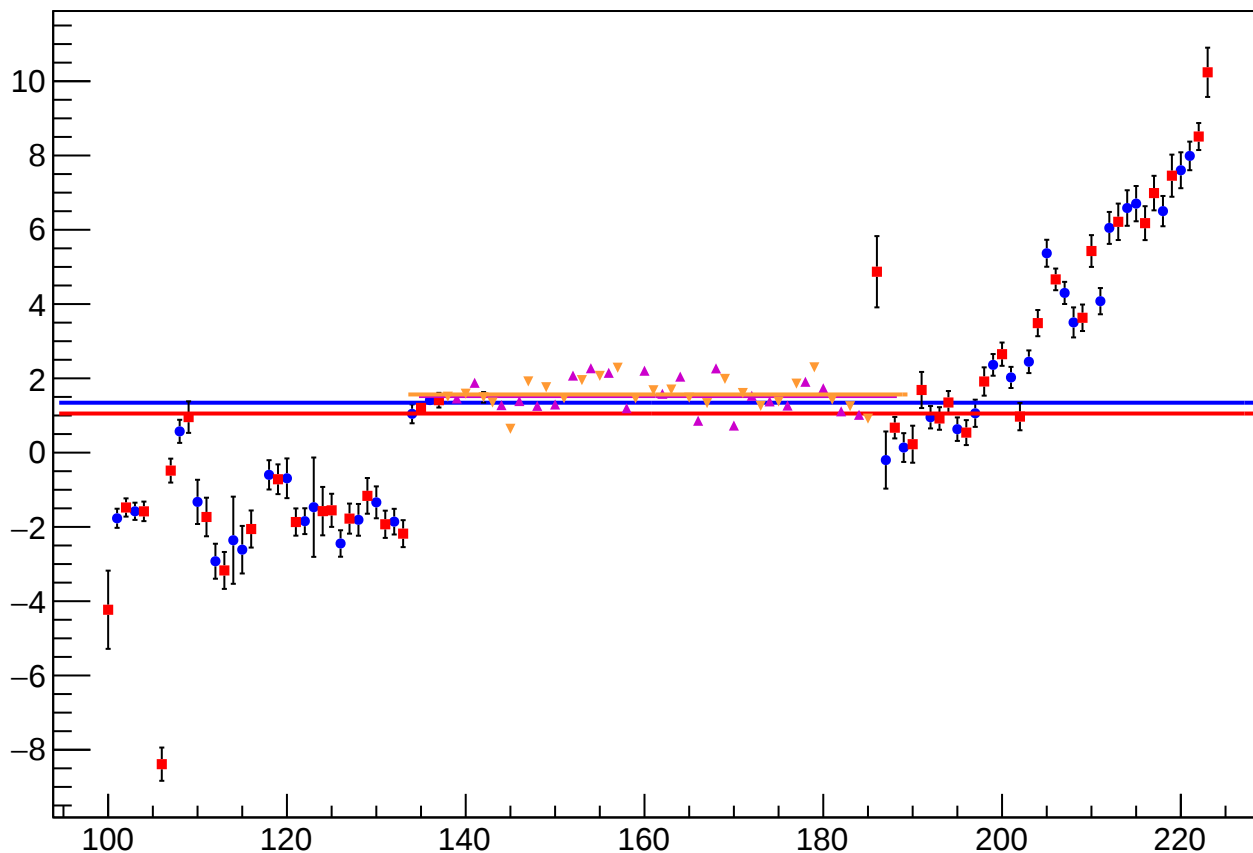
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -141.473 ± 0.337 χ^2/NDF : 6433.9/59

All: -140.961 ± 0.241 χ^2/NDF : 13402.6/121

- sign -140.419 ± 0.346 χ^2/NDF : 6964.0/61

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.344 ± 0.053 χ^2/NDF : 2237.5/34

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 1.053 ± 0.055 χ^2/NDF : 2747.6/38

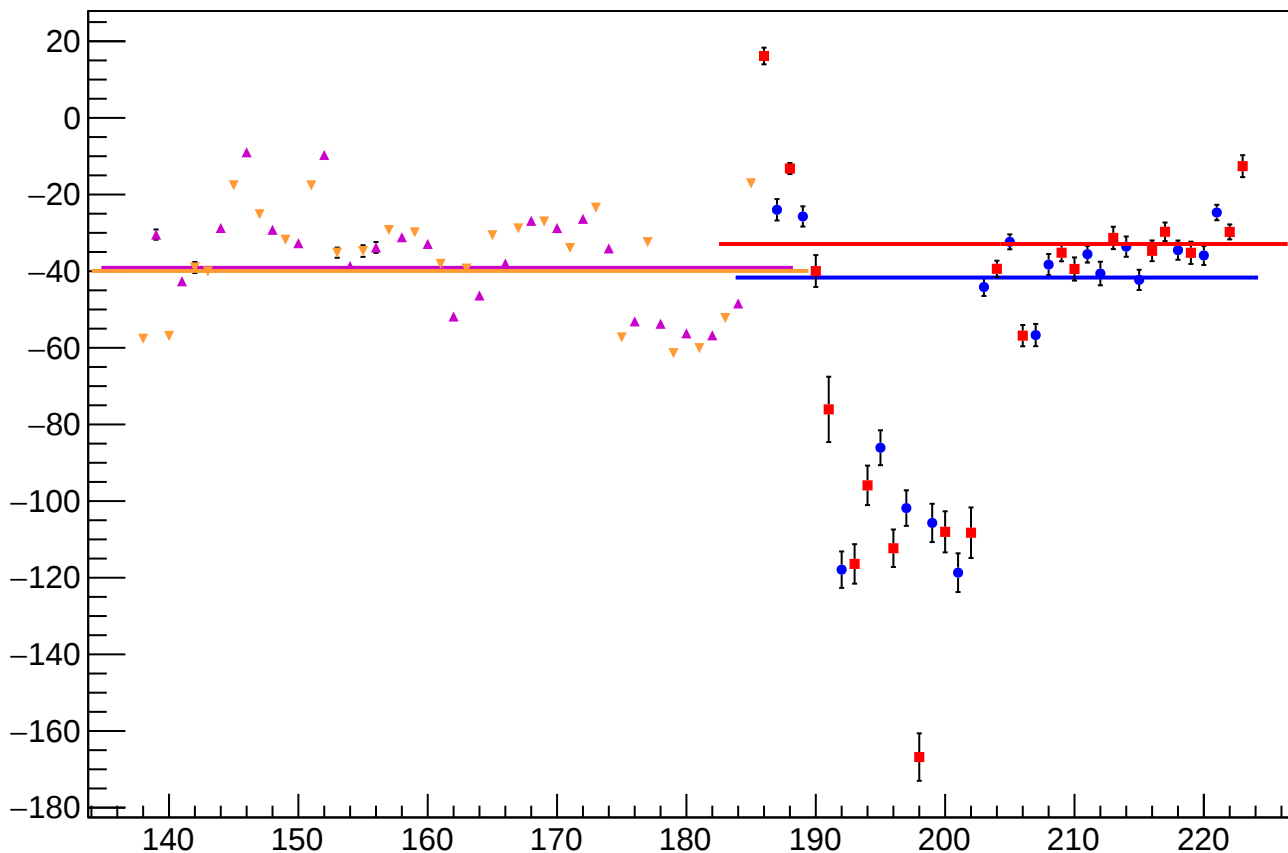
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.547 ± 0.015 χ^2/NDF : 2796.4/59

All: 1.516 ± 0.011 χ^2/NDF : 6357.9/121

- sign 1.484 ± 0.016 χ^2/NDF : 3553.4/61

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -41.663 ± 0.652 χ^2/NDF : 1147.3/17

Left Out: -39.935 ± 0.153 χ^2/NDF : 9806.5/24

Right Out: -32.903 ± 0.625 χ^2/NDF : 2341.2/19

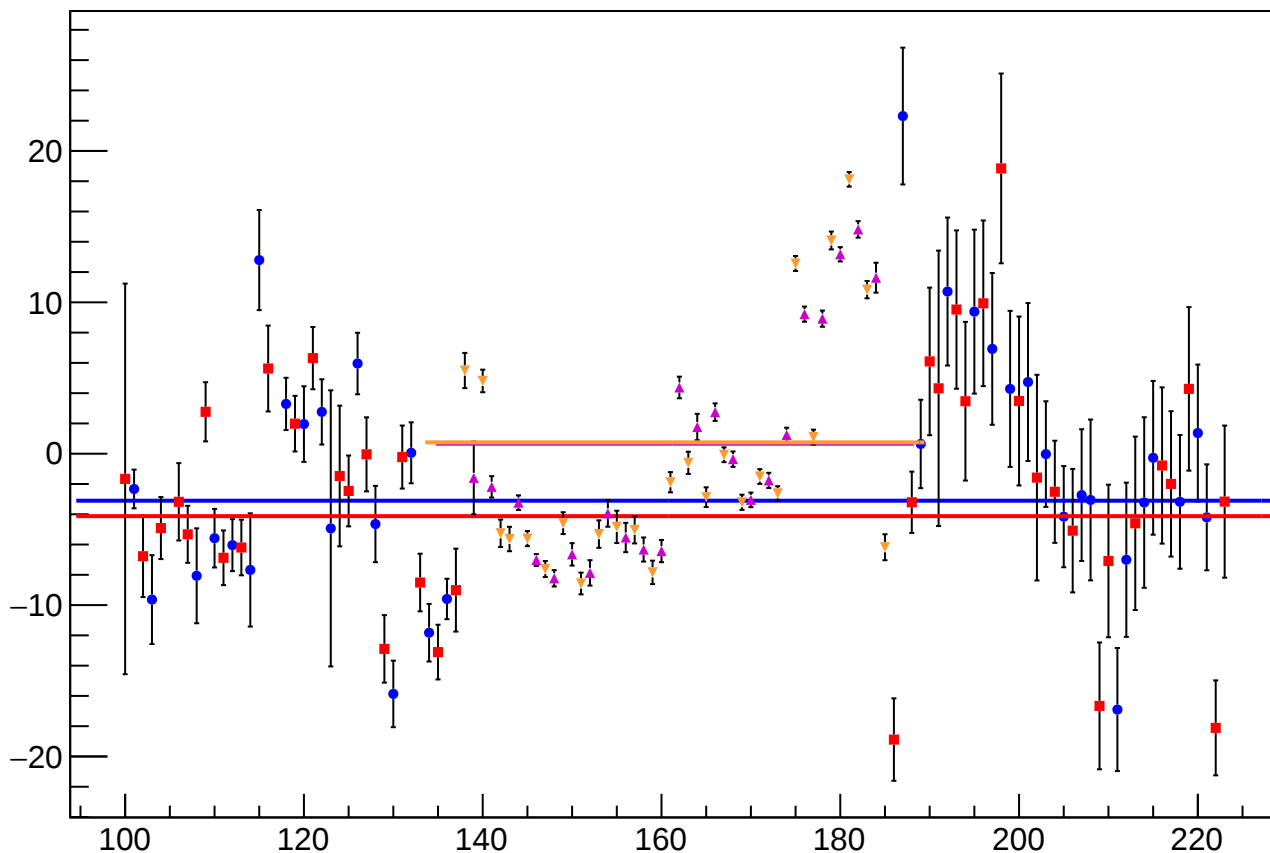
Left In: -39.137 ± 0.155 χ^2/NDF : 8534.5/22

+ sign -40.025 ± 0.149 χ^2/NDF : 10960.5/42

All: -39.406 ± 0.106 χ^2/NDF : 21964.6/85

- sign -38.778 ± 0.150 χ^2/NDF : 10969.4/42

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.448 χ^2/NDF : 232.6/34

Left Out: 0.749 ± 0.124 χ^2/NDF : 3970.9/24

Right Out: -4.125 ± 0.446 χ^2/NDF : 220.5/38

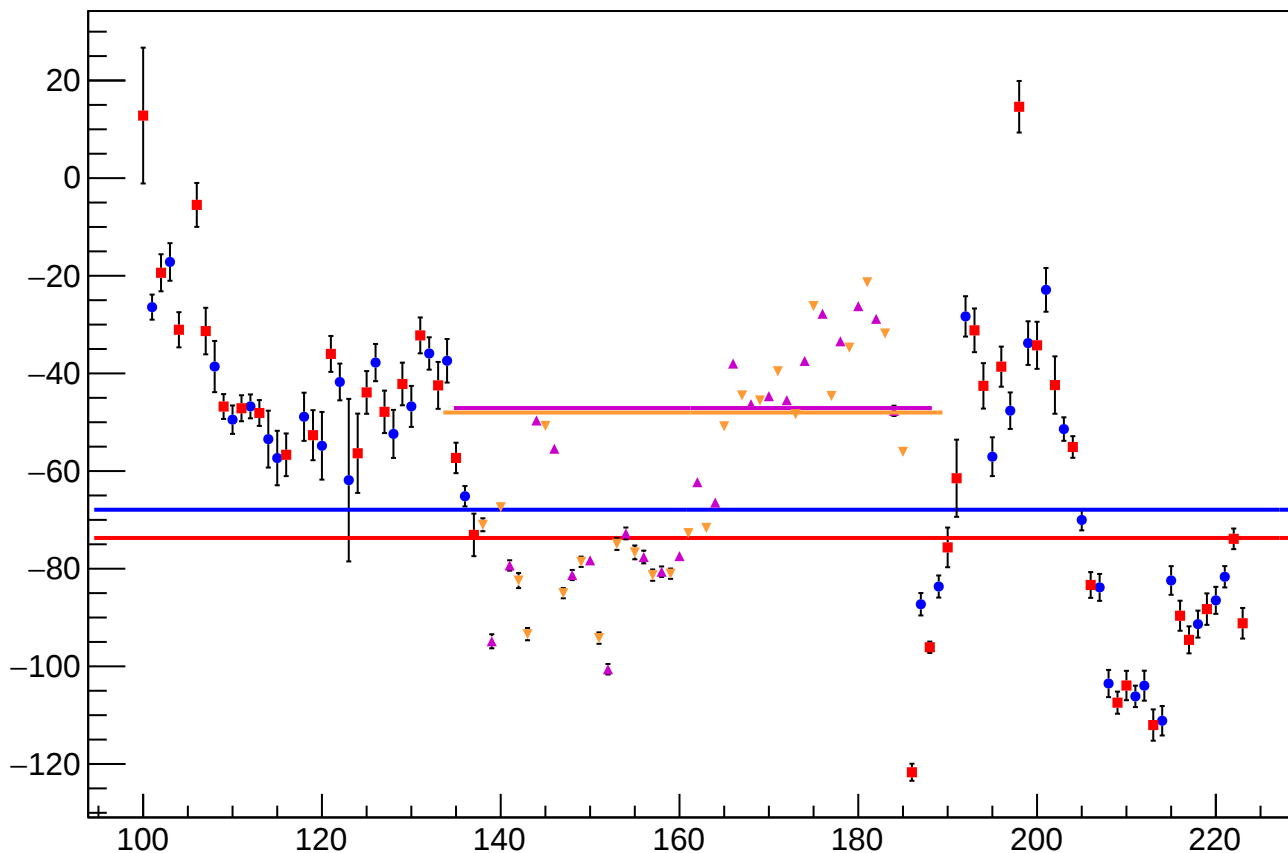
Left In: 0.660 ± 0.124 χ^2/NDF : 3337.8/22

+ sign 0.474 ± 0.120 χ^2/NDF : 4272.1/59

All: 0.395 ± 0.085 χ^2/NDF : 7938.2/121

- sign 0.315 ± 0.120 χ^2/NDF : 3665.2/61

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -67.918 ± 0.526 $\chi^2/\text{NDF}: 2376.3/34$

Left Out: -48.008 ± 0.155 $\chi^2/\text{NDF}: 16950.0/24$

Right Out: -73.703 ± 0.493 $\chi^2/\text{NDF}: 3870.9/38$

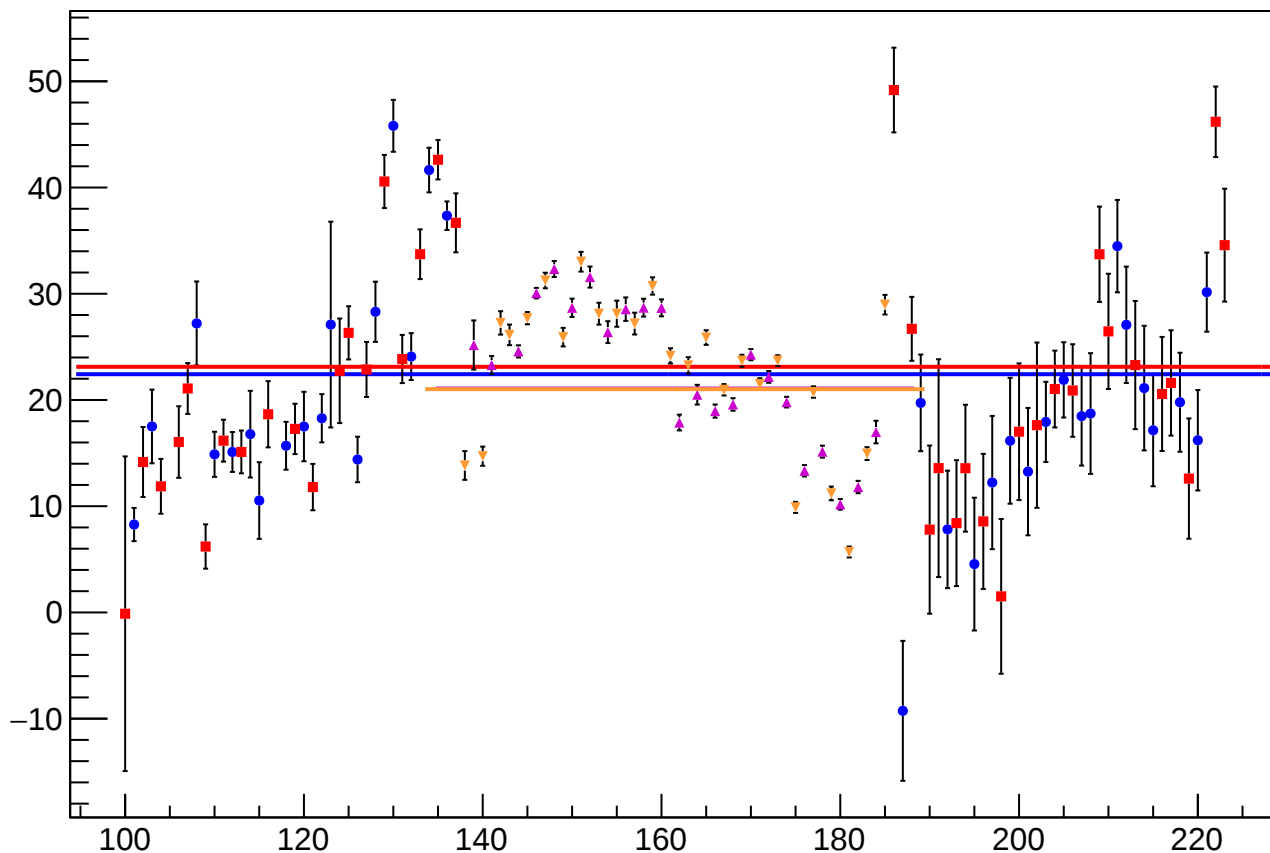
Left In: -47.085 ± 0.155 $\chi^2/\text{NDF}: 15515.2/22$

+ sign -49.594 ± 0.148 $\chi^2/\text{NDF}: 20646.9/59$

All: -49.541 ± 0.105 $\chi^2/\text{NDF}: 42684.6/121$

- sign -49.489 ± 0.148 $\chi^2/\text{NDF}: 22037.4/61$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.426 $\pm$ 0.504 χ^2 /NDF: 521.9/34

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF: 2799.3/24

Right Out: 23.124 $\pm$ 0.509 χ^2 /NDF: 504.3/38

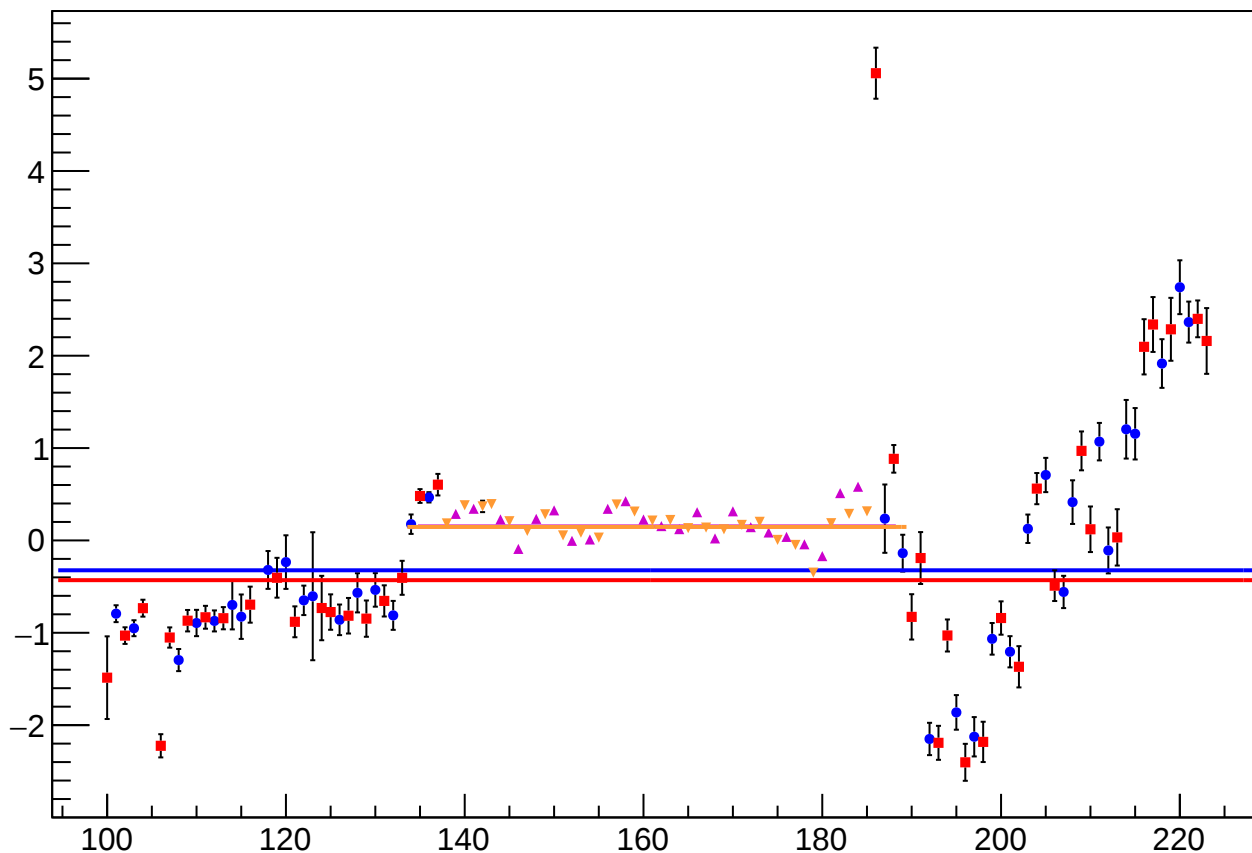
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF: 2173.2/22

+ sign 21.119 $\pm$ 0.134 χ^2 /NDF: 3328.4/59

All: 21.170 $\pm$ 0.095 χ^2 /NDF: 6021.2/121

- sign 21.222 $\pm$ 0.135 χ^2 /NDF: 2692.5/61

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.026 $\chi^2/\text{NDF}: 1217.4/34$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.430 ± 0.026 $\chi^2/\text{NDF}: 1910.1/38$

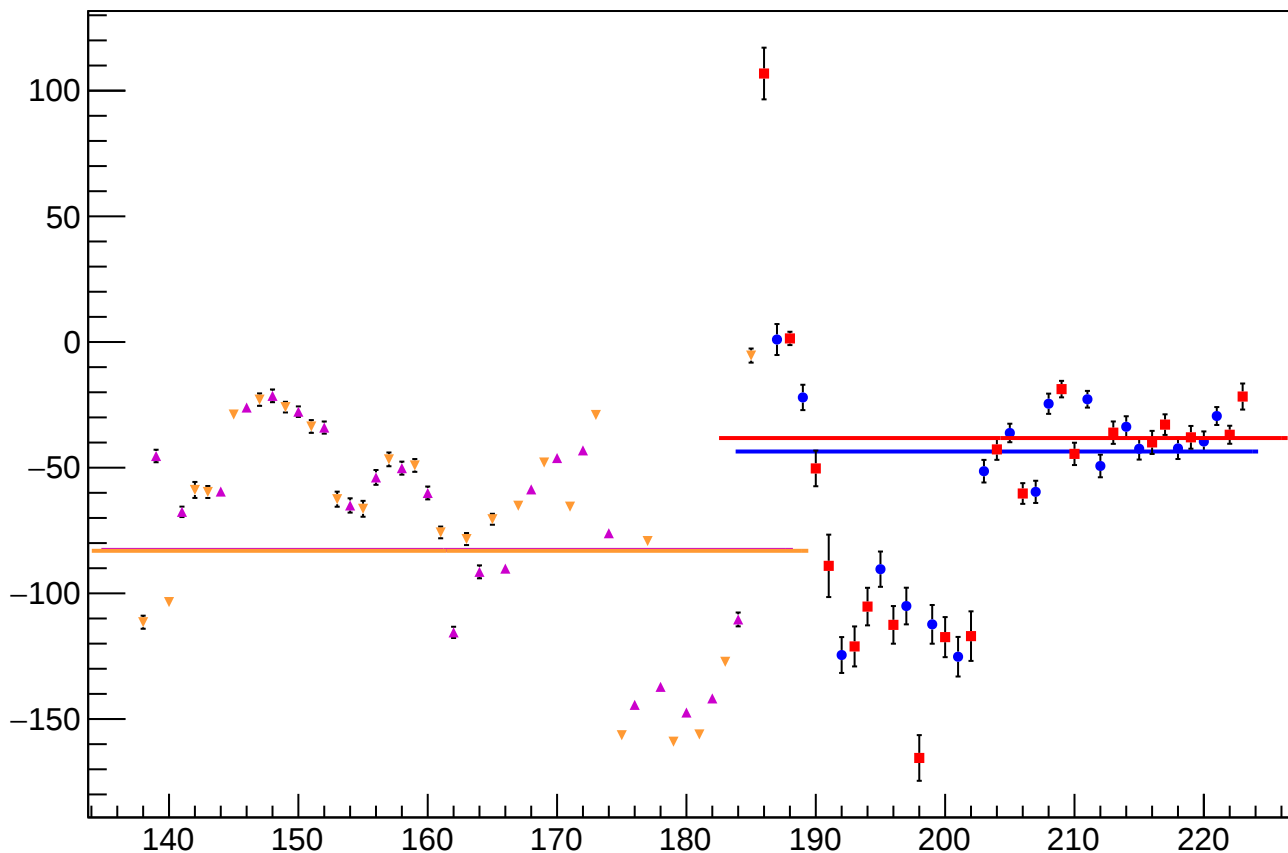
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.119 ± 0.006 $\chi^2/\text{NDF}: 2142.8/59$

All: 0.118 ± 0.004 $\chi^2/\text{NDF}: 5407.7/121$

- sign 0.117 ± 0.006 $\chi^2/\text{NDF}: 3264.8/61$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -43.564 ± 1.090 χ^2/NDF : 607.5/17

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -38.210 ± 1.085 χ^2/NDF : 1167.5/19

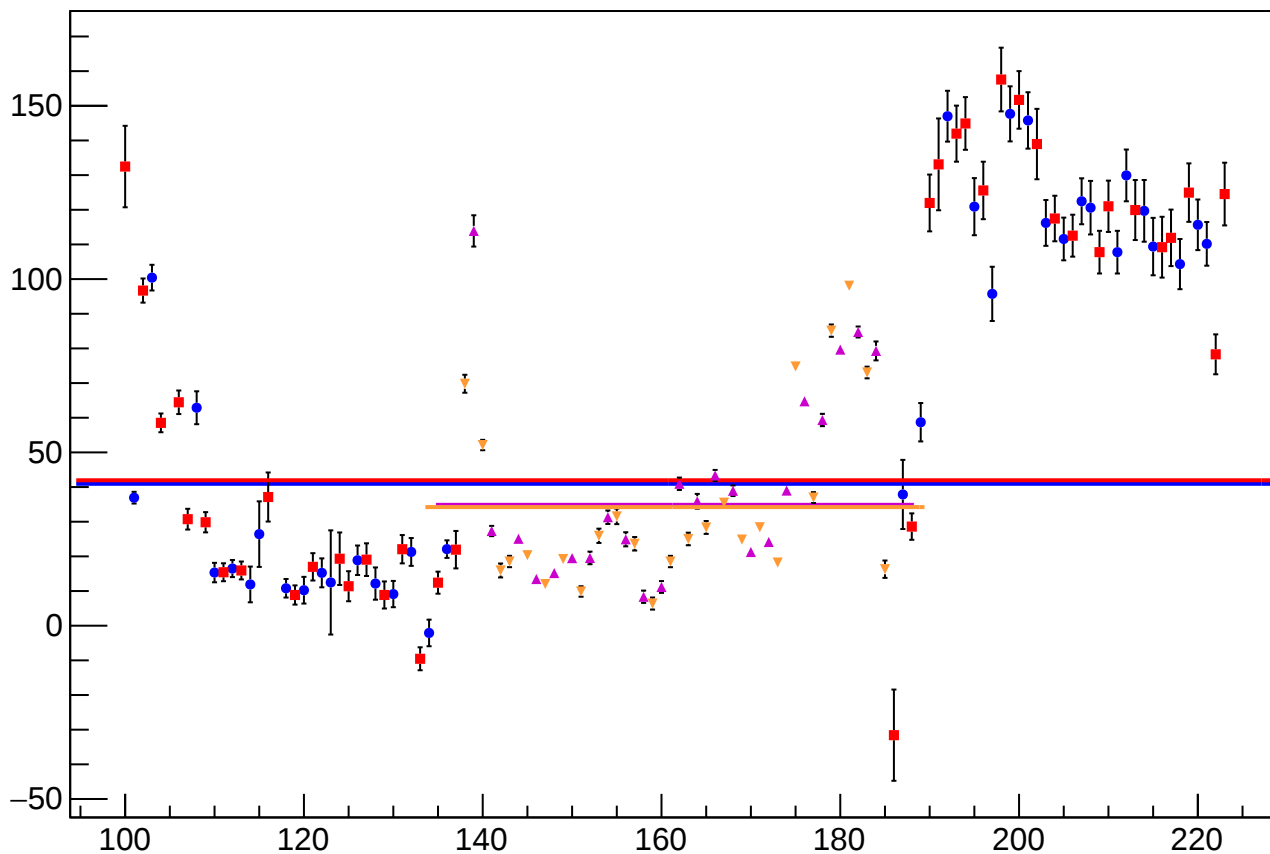
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -78.251 ± 0.381 χ^2/NDF : 15577.2/42

All: -77.652 ± 0.272 χ^2/NDF : 29058.1/85

- sign -77.030 ± 0.388 χ^2/NDF : 13475.8/42

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 40.941 $\pm$ 0.729 χ^2 /NDF: 3009.7/34

Left Out: 34.219 $\pm$ 0.320 χ^2 /NDF:6192.6/24

Right Out: 41.957 $\pm$ 0.727 χ^2 /NDF: 3306.9/38

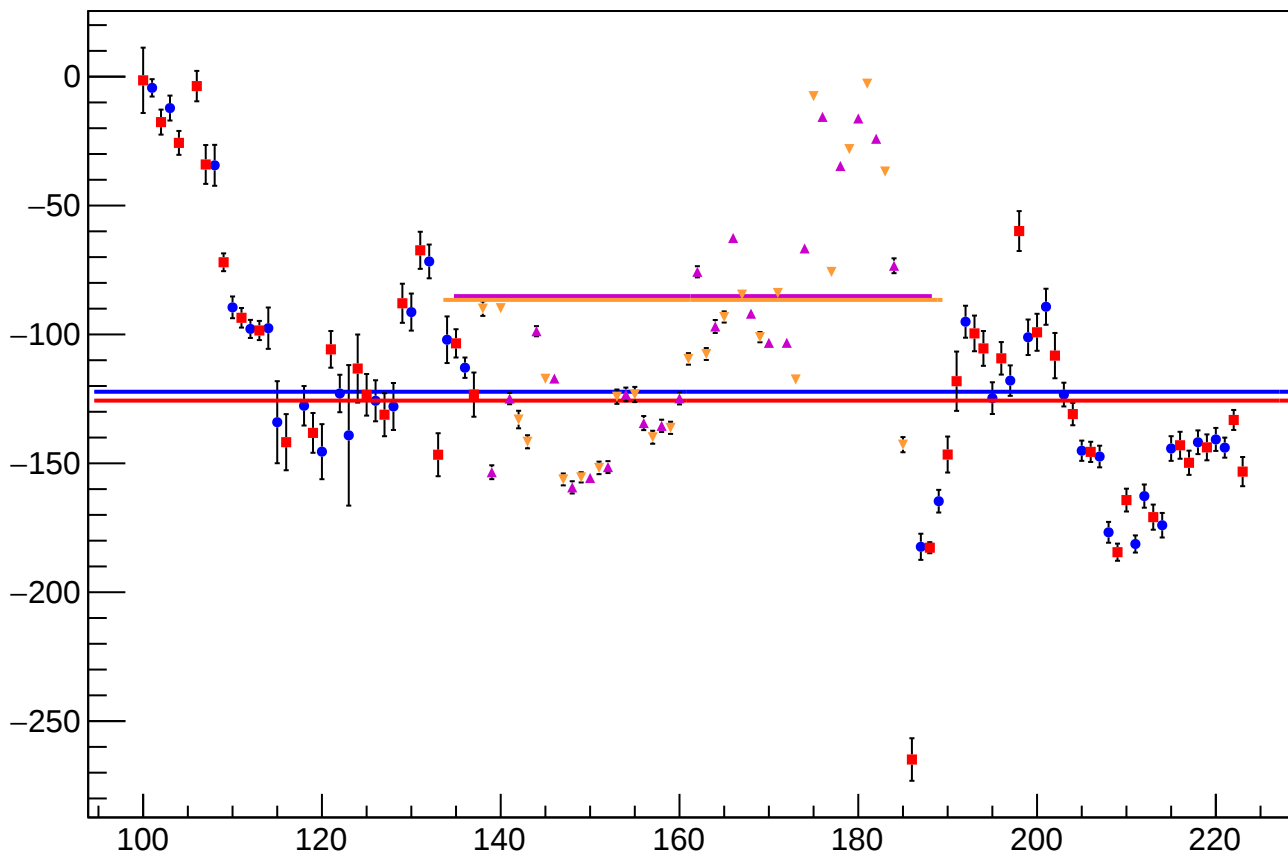
Left In: 34.870 $\pm$ 0.329 χ^2 /NDF:4716.1/22

+ sign 35.305 $\pm$ 0.293 χ^2 /NDF: 9273.5/59

All: 35.682 $\pm$ 0.210 χ^2 /NDF: 17378.8/121

- sign 36.076 $\pm$ 0.300 χ^2 /NDF: 8101.9/61

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -122.227 ± 0.867 $\chi^2/\text{NDF}: 3217.4/34$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -125.668 ± 0.832 $\chi^2/\text{NDF}: 3827.4/38$

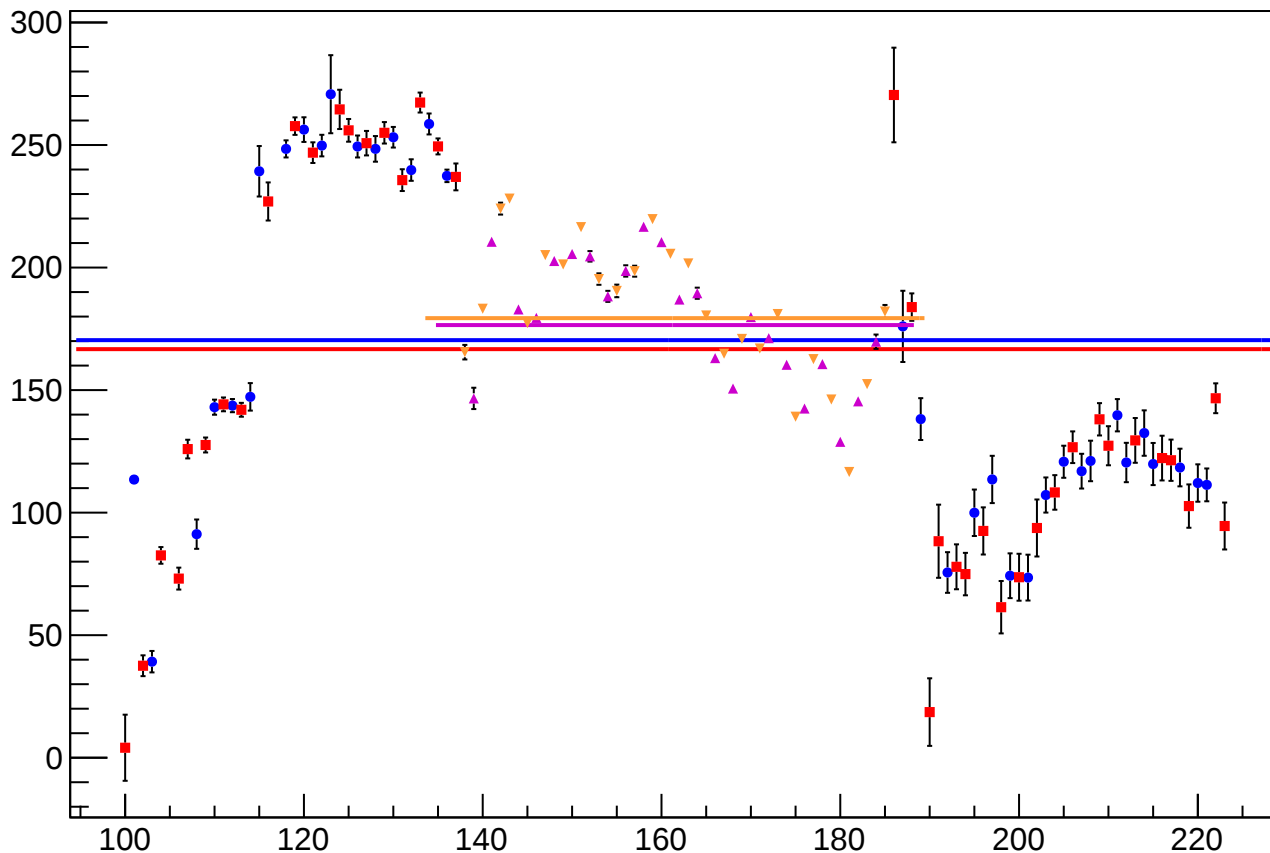
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -93.068 ± 0.369 $\chi^2/\text{NDF}: 19115.8/59$

All: -93.137 ± 0.262 $\chi^2/\text{NDF}: 37684.3/121$

- sign -93.207 ± 0.371 $\chi^2/\text{NDF}: 18568.5/61$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 170.382 ± 0.829 χ^2/NDF : 6494.1/34

Left Out: 179.359 ± 0.362 χ^2/NDF : 5982.2/24

Right Out: 166.708 ± 0.831 χ^2/NDF : 7499.7/38

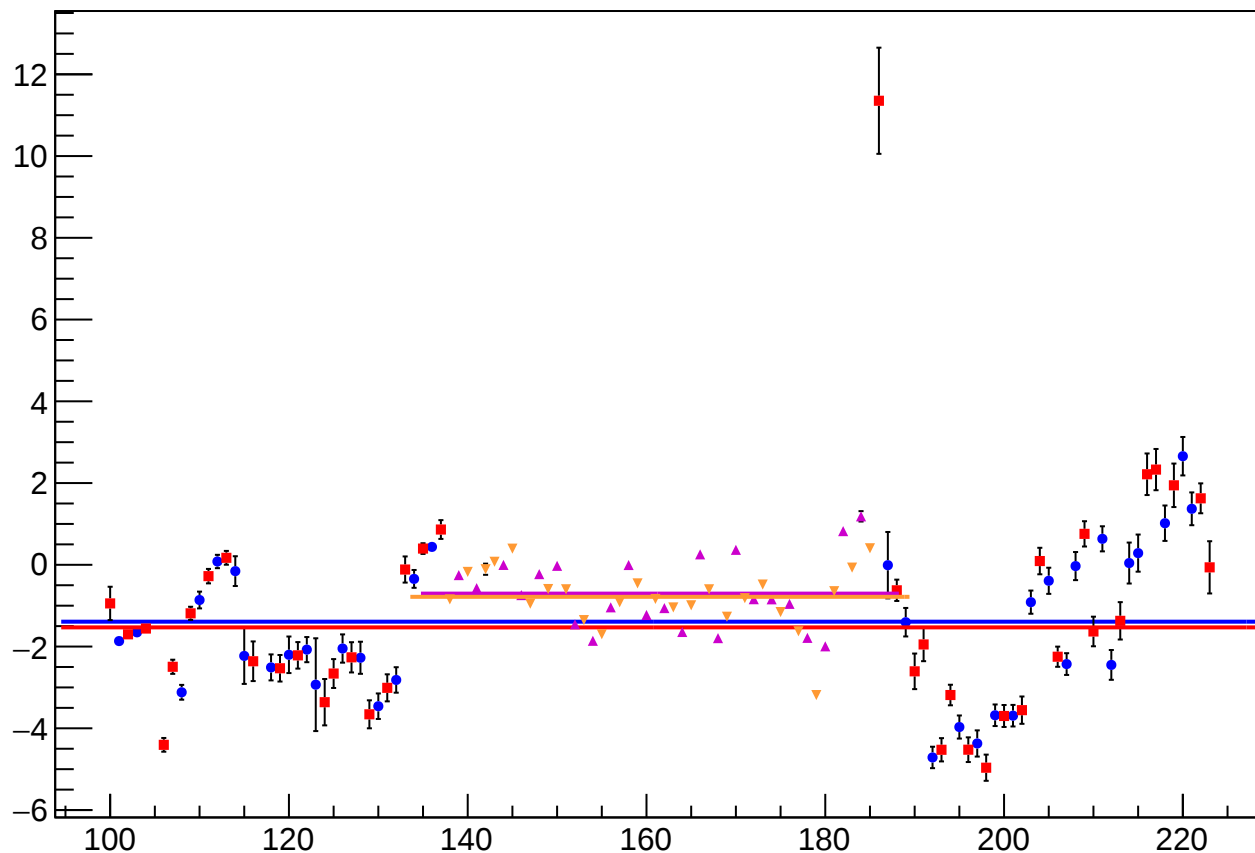
Left In: 176.531 ± 0.371 χ^2/NDF : 4426.0/22

+ sign 177.921 ± 0.332 χ^2/NDF : 12575.0/59

All: 176.442 ± 0.237 χ^2/NDF : 24657.7/121

- sign 174.900 ± 0.339 χ^2/NDF : 12042.1/61

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.391 ± 0.041 χ^2/NDF : 1390.9/34

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.531 ± 0.039 χ^2/NDF : 1839.5/38

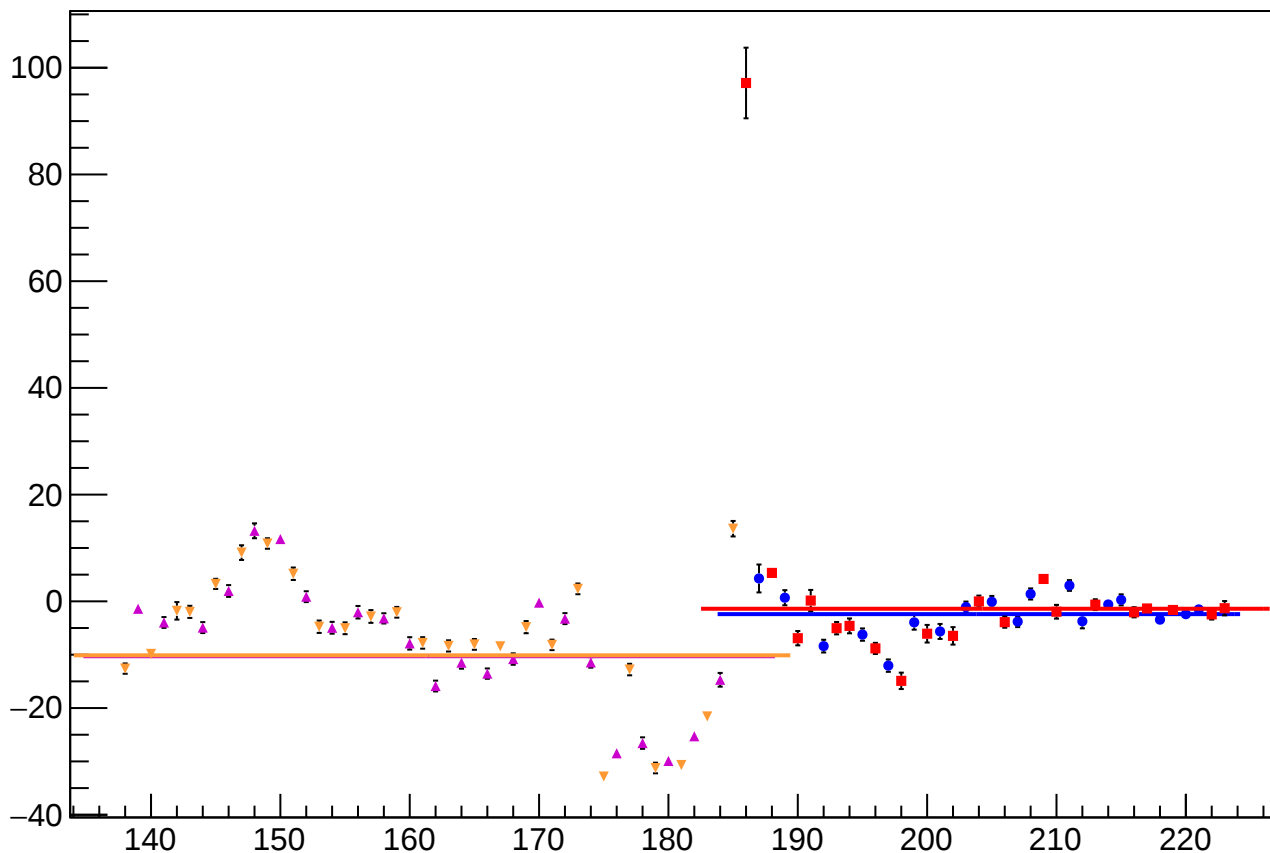
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.869 ± 0.015 χ^2/NDF : 3351.0/59

All: -0.851 ± 0.011 χ^2/NDF : 7971.8/121

- sign -0.833 ± 0.016 χ^2/NDF : 4618.2/61

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -2.398 ± 0.257 χ^2/NDF : 186.3/17

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.388 ± 0.248 χ^2/NDF : 560.6/19

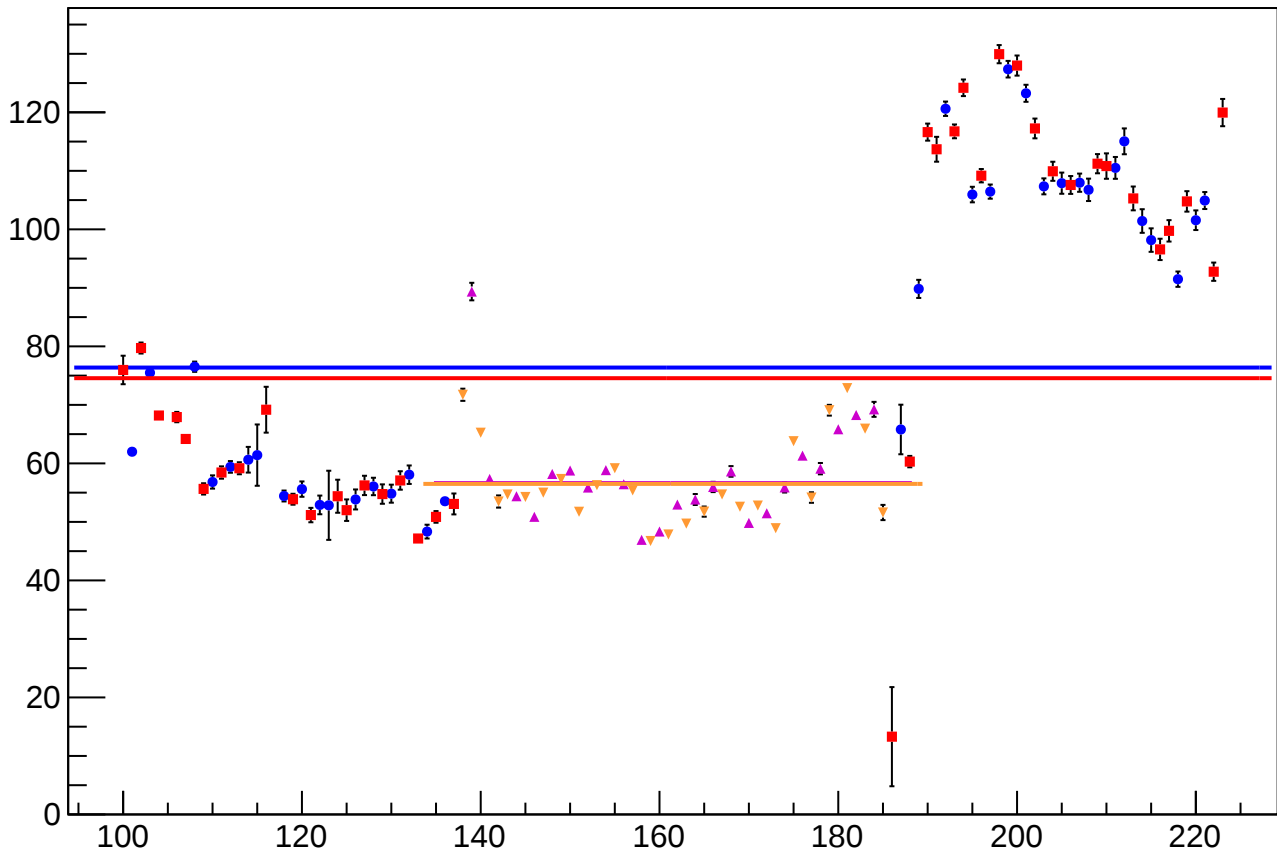
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -7.176 ± 0.158 χ^2/NDF : 4884.1/42

All: -6.919 ± 0.112 χ^2/NDF : 9665.9/85

- sign -6.664 ± 0.158 χ^2/NDF : 4776.6/42

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 76.379 ± 0.215 χ^2/NDF : 12465.6/34

Left Out: 56.496 ± 0.159 χ^2/NDF : 1968.0/24

Right Out: 74.562 ± 0.203 χ^2/NDF : 15873.2/38

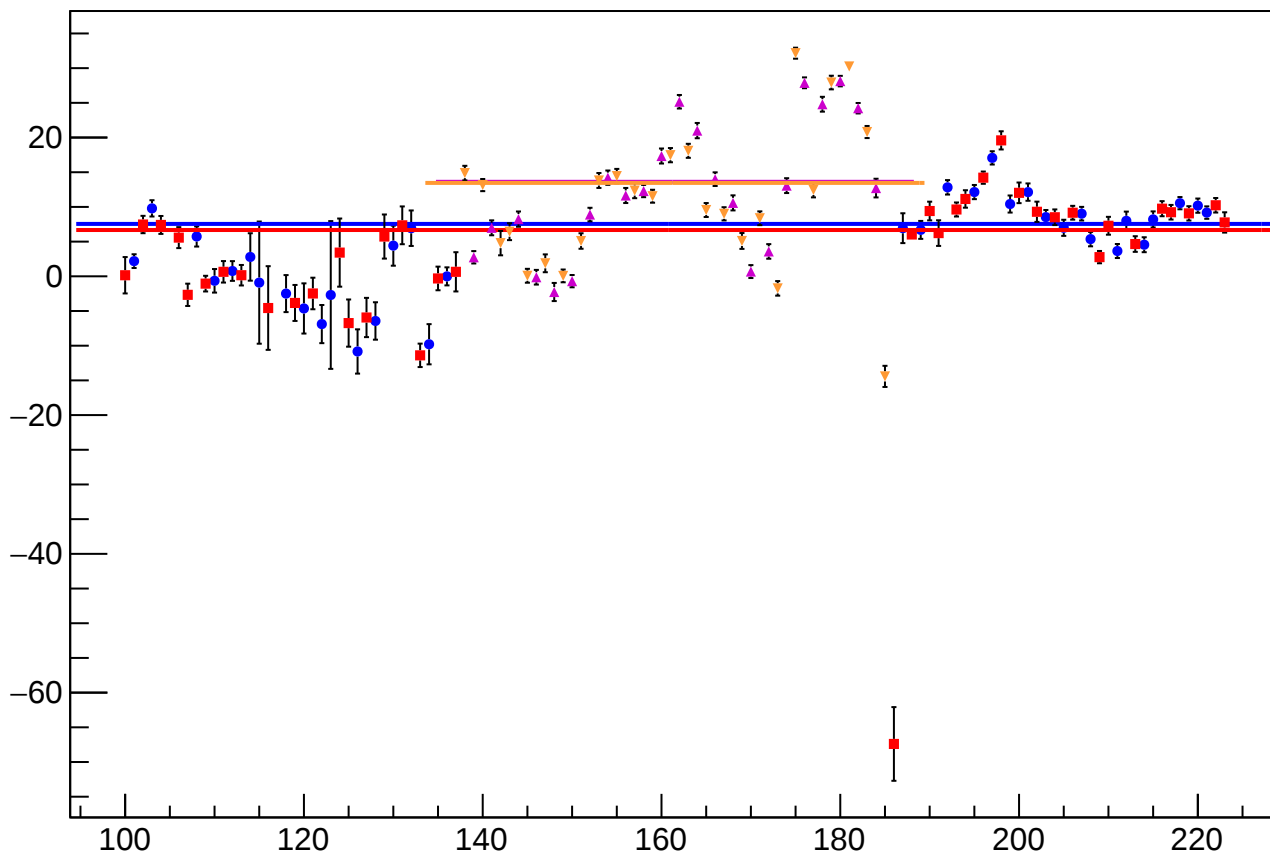
Left In: 56.635 ± 0.165 χ^2/NDF : 1607.9/22

+ sign 63.533 ± 0.128 χ^2/NDF : 19977.1/59

All: 63.652 ± 0.090 χ^2/NDF : 42152.3/121

- sign 63.772 ± 0.128 χ^2/NDF : 22173.4/61

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.552 ± 0.223 χ^2/NDF : 485.1/34

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.672 ± 0.208 χ^2/NDF : 801.5/38

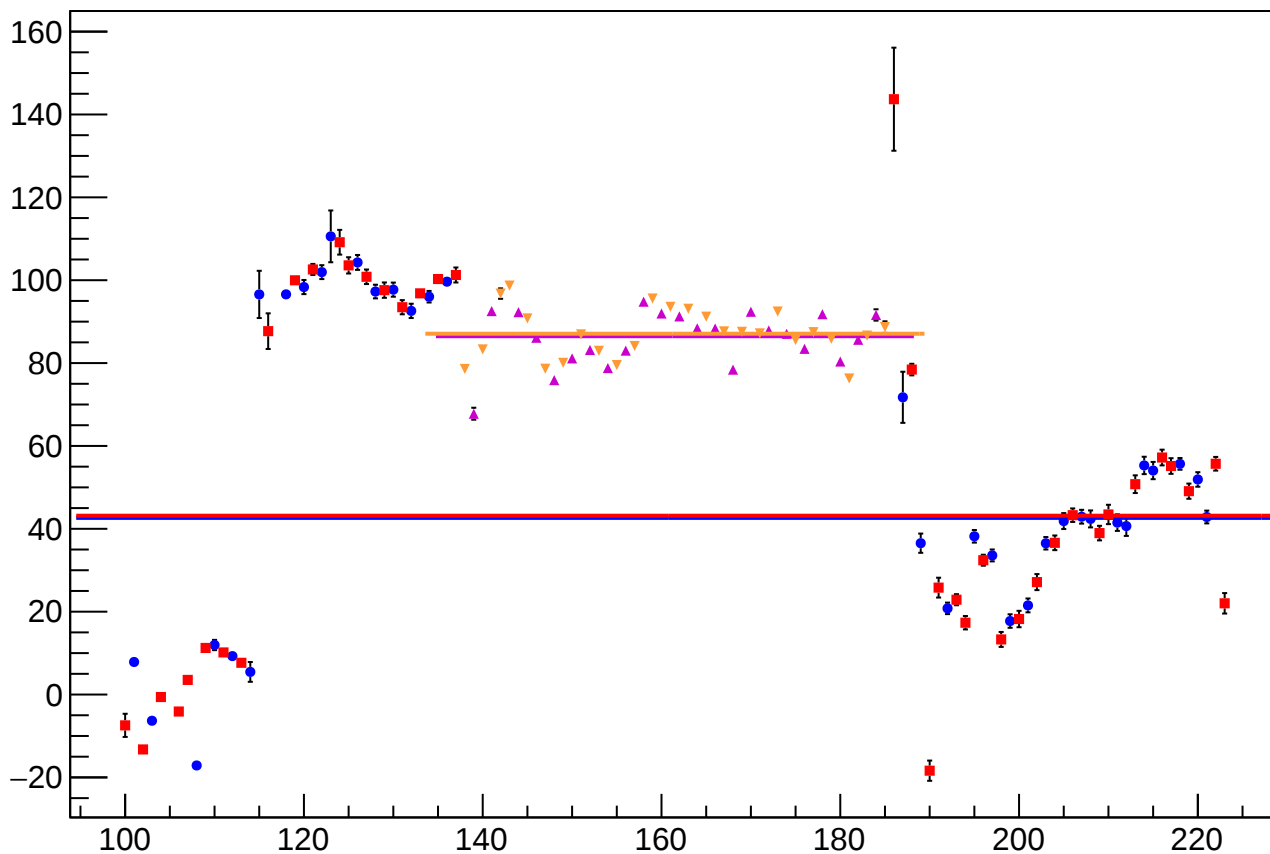
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 10.805 ± 0.150 χ^2/NDF : 3608.1/59

All: 10.501 ± 0.104 χ^2/NDF : 7299.9/121

- sign 10.211 ± 0.146 χ^2/NDF : 3683.6/61

reg asym sam5 diff bpm4eY slope vs Slug



Right In: 42.643+/-0.246 χ^2/NDF : 25665.5/34

Left Out: 87.087+/-0.179 χ^2/NDF :1085.8/24

Right Out: 43.160 ± 0.236 χ^2/NDF : 31019.0/38

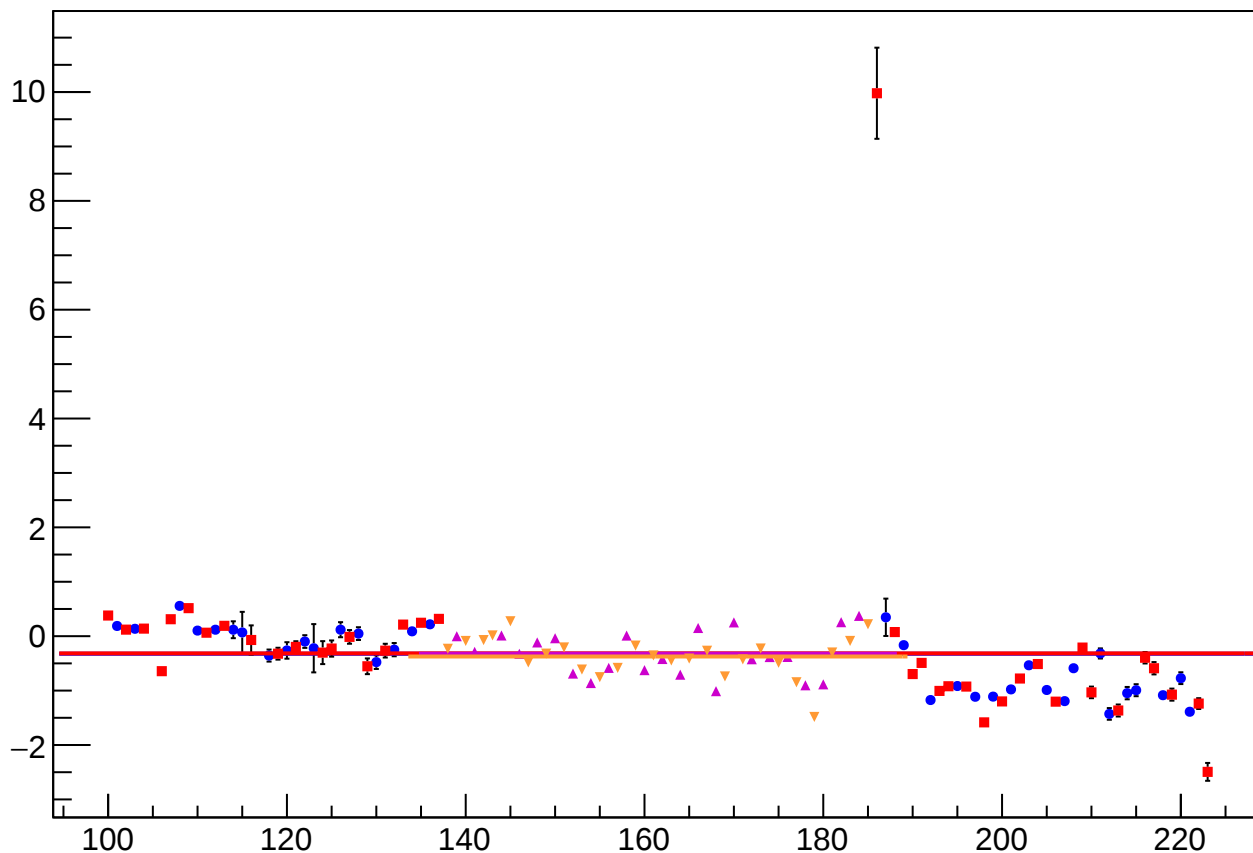
Left In: 86.482+/-0.185 χ^2/NDF :1003.2/22

+ sign 71.666+/-0.145 χ^2/NDF : 48121.9/59

All: 70.864+/-0.103 χ^2/NDF : 101088.7/121

- sign 70.053+/-0.145 χ^2/NDF : 52905.0/61

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.010 χ^2/NDF : 3649.1/34

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.316 ± 0.010 χ^2/NDF : 4027.2/38

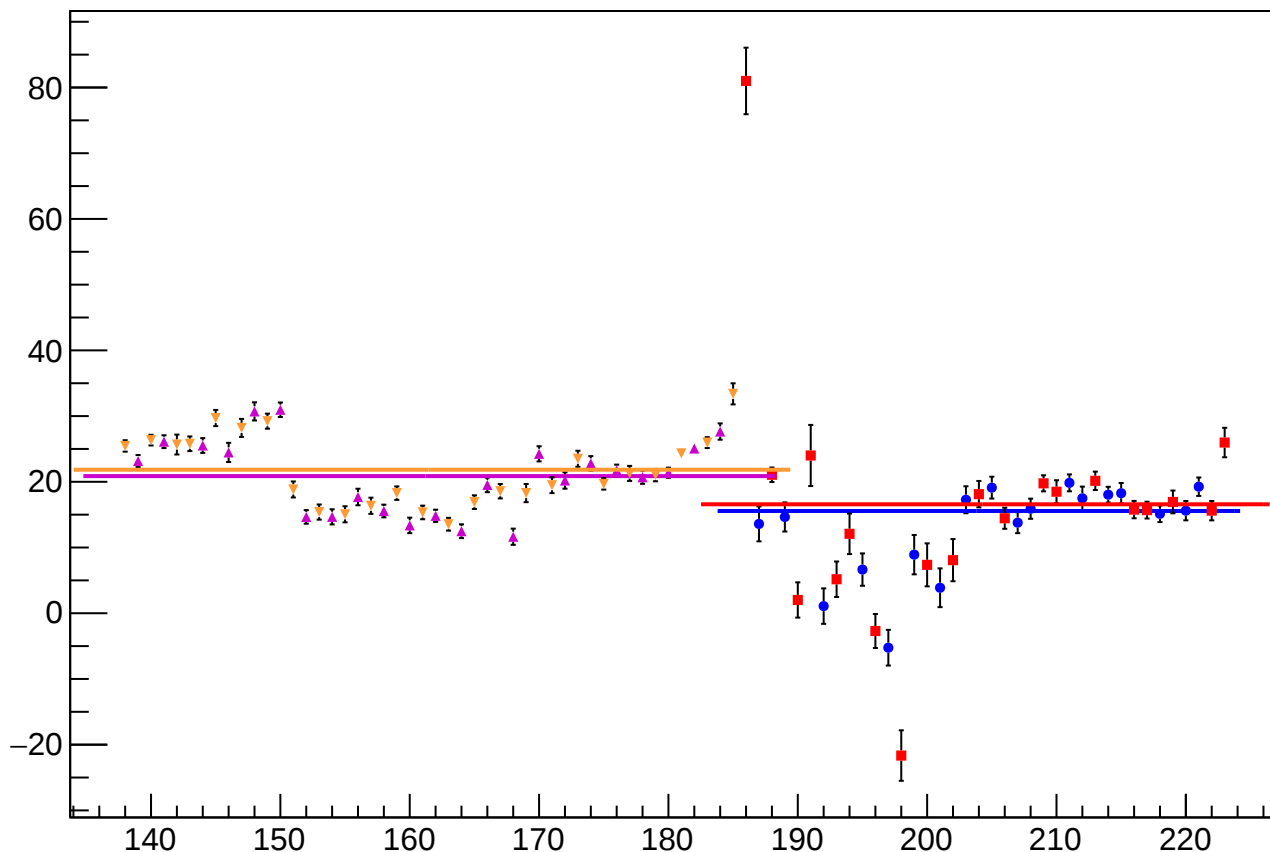
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.354 ± 0.006 χ^2/NDF : 5332.3/59

All: -0.338 ± 0.004 χ^2/NDF : 11657.4/121

- sign -0.321 ± 0.006 χ^2/NDF : 6311.8/61

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 15.560 $\pm$ 0.406 χ^2 /NDF: 155.1/17

Left Out: 21.836 $\pm$ 0.210 χ^2 /NDF: 524.3/24

Right Out: 16.576 $\pm$ 0.408 χ^2 /NDF: 435.6/19

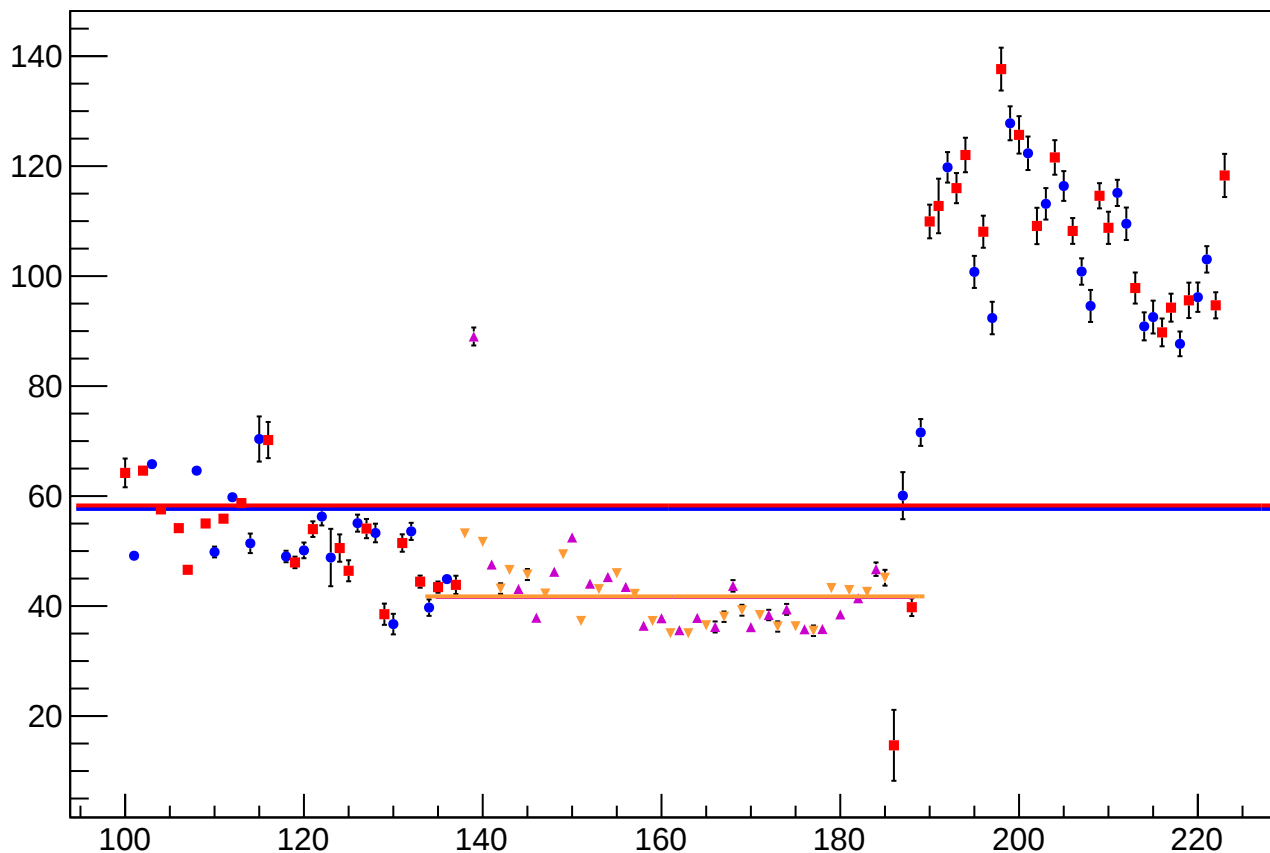
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 20.514 $\pm$ 0.186 χ^2 /NDF: 868.0/42

All: 20.226 $\pm$ 0.134 χ^2 /NDF: 1971.6/85

- sign 19.922 $\pm$ 0.191 χ^2 /NDF: 1098.7/42

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 57.666 $\pm$ 0.201 χ^2 /NDF: 6817.4/34

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF:1015.7/24

Right Out: 58.291 $\pm$ 0.213 χ^2 /NDF: 7045.5/38

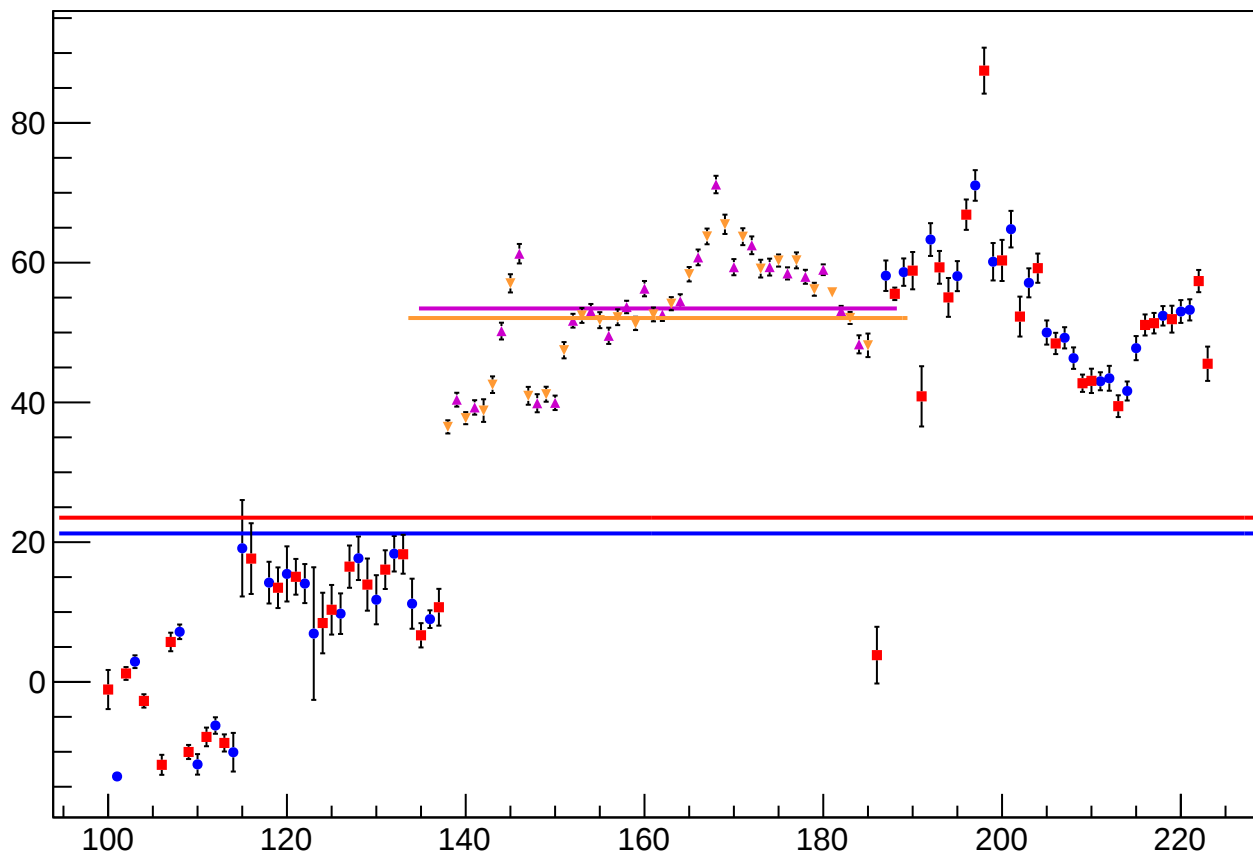
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 48.196 $\pm$ 0.128 χ^2 /NDF: 11579.5/59

All: 48.236 $\pm$ 0.093 χ^2 /NDF: 23895.3/121

- sign 48.281 $\pm$ 0.135 χ^2 /NDF: 12315.6/61

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 21.248 $\pm$ 0.273 χ^2 /NDF: 10717.2/34

Left Out: 52.076 $\pm$ 0.210 χ^2 /NDF:1450.9/24

Right Out: 23.505 $\pm$ 0.275 χ^2 /NDF: 10121.7/38

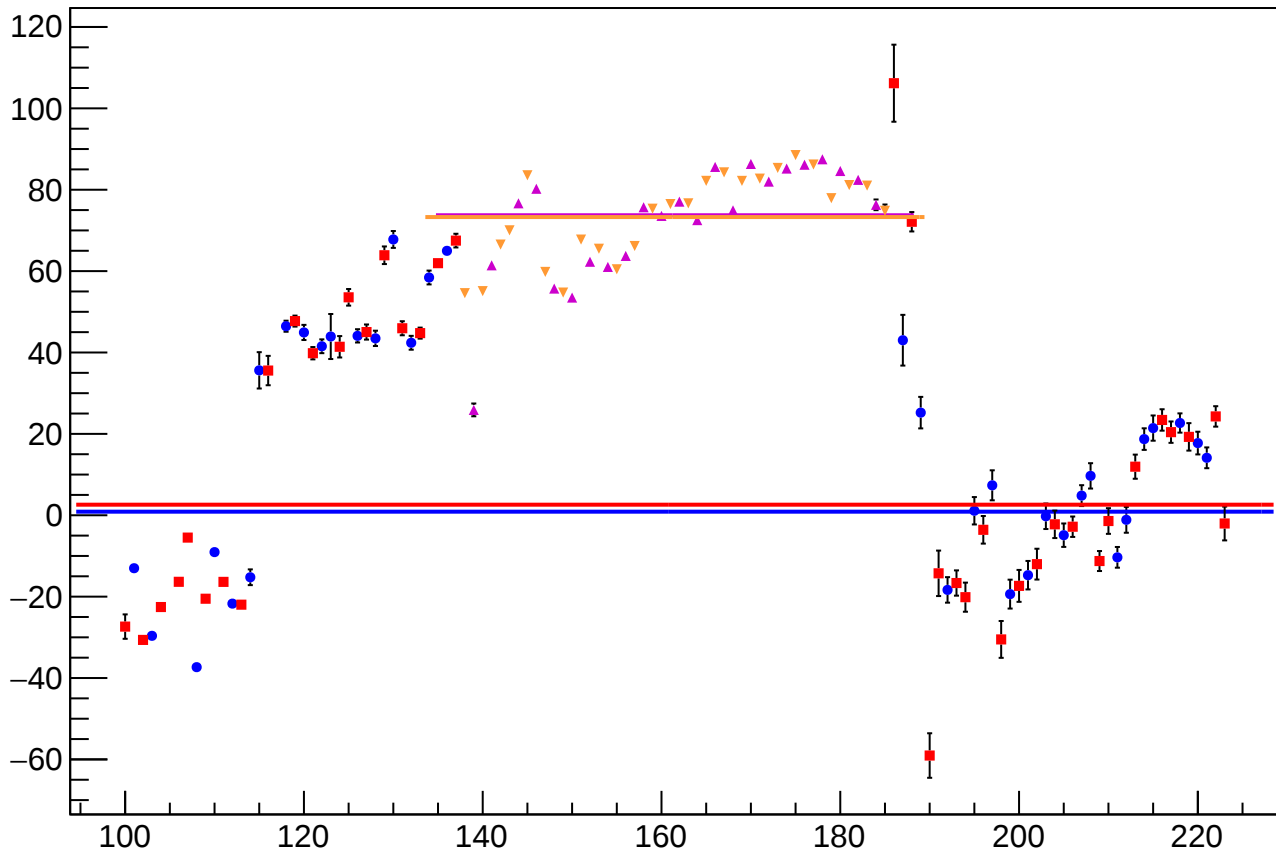
Left In: 53.447 $\pm$ 0.215 χ^2 /NDF:1169.0/22

+ sign 40.611 $\pm$ 0.166 χ^2 /NDF: 20182.3/59

All: 41.336 $\pm$ 0.119 χ^2 /NDF: 38844.8/121

- sign 42.089 $\pm$ 0.170 χ^2 /NDF: 18623.8/61

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.882 ± 0.234 $\chi^2/\text{NDF}: 18676.0/34$

Left Out: 73.284 ± 0.187 $\chi^2/\text{NDF}: 3144.2/24$

Right Out: 2.599 ± 0.250 $\chi^2/\text{NDF}: 16962.4/38$

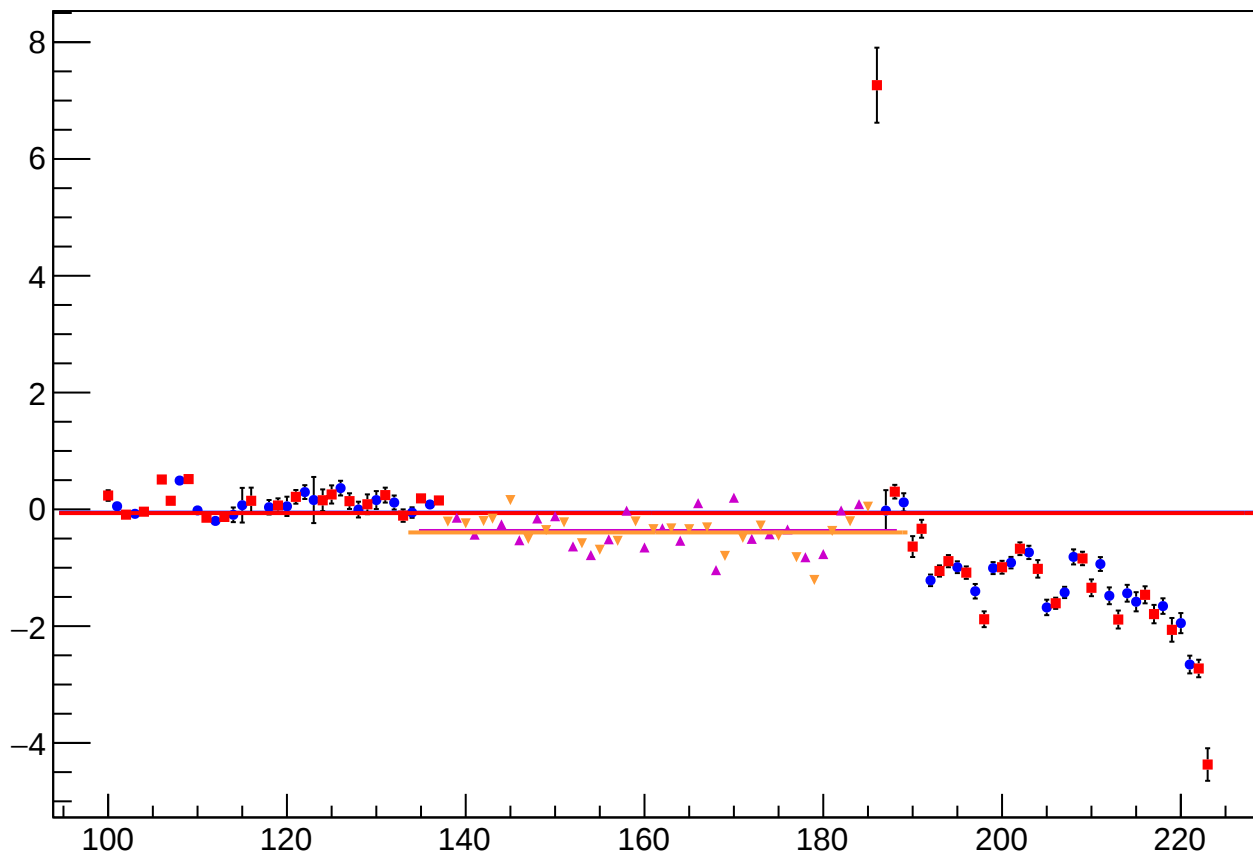
Left In: 73.730 ± 0.194 $\chi^2/\text{NDF}: 3775.8/22$

+ sign 45.097 ± 0.146 $\chi^2/\text{NDF}: 80276.7/59$

All: 45.984 ± 0.106 $\chi^2/\text{NDF}: 151506.8/121$

- sign 46.963 ± 0.153 $\chi^2/\text{NDF}: 71152.5/61$

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.057 ± 0.010 χ^2/NDF : 2426.4/34

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: -0.064 ± 0.010 χ^2/NDF : 2705.7/38

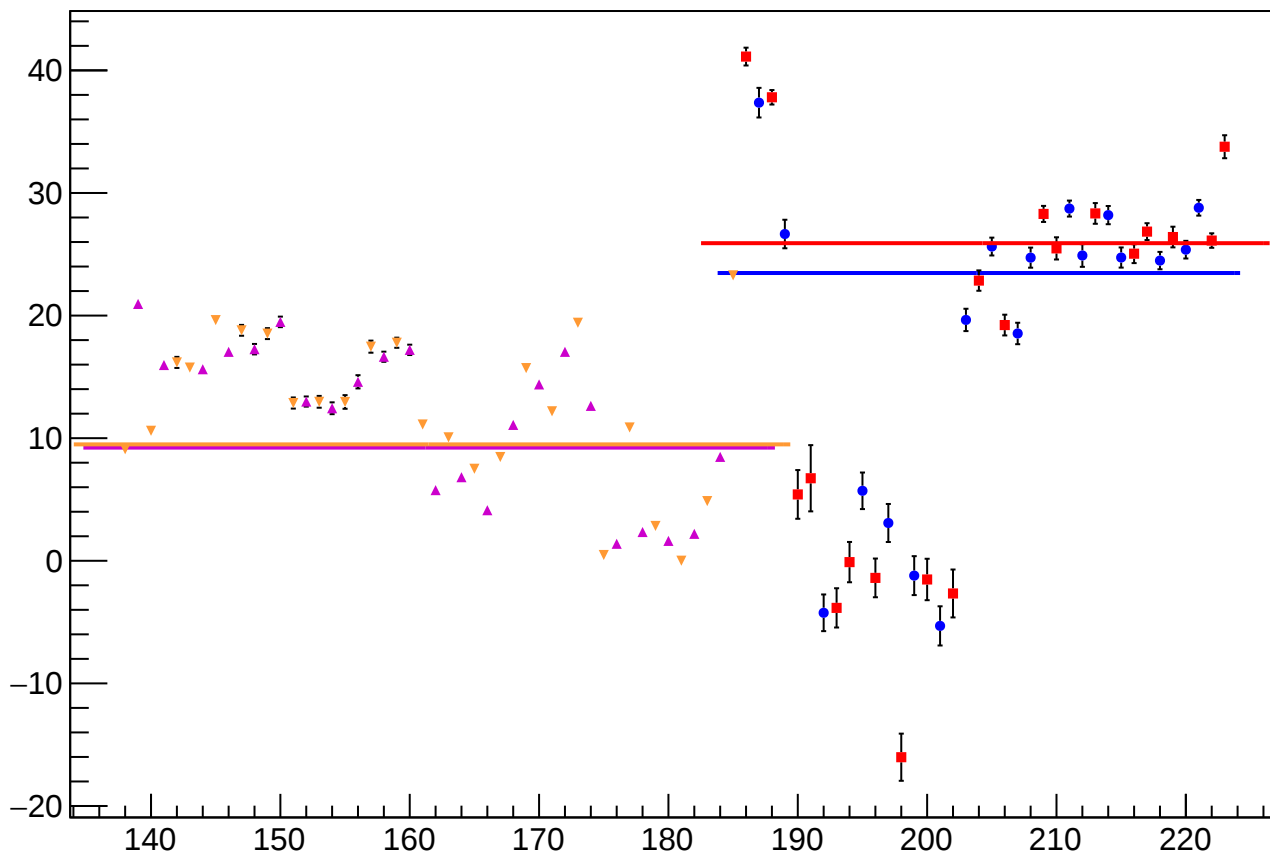
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.258 ± 0.007 χ^2/NDF : 4013.9/59

All: -0.251 ± 0.005 χ^2/NDF : 8551.3/121

- sign -0.243 ± 0.007 χ^2/NDF : 4534.8/61

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 23.472 ± 0.210 $\chi^2/\text{NDF}: 1612.5/17$

Left Out: 9.495 ± 0.061 $\chi^2/\text{NDF}: 12609.1/24$

Right Out: 25.905 ± 0.203 $\chi^2/\text{NDF}: 3019.4/19$

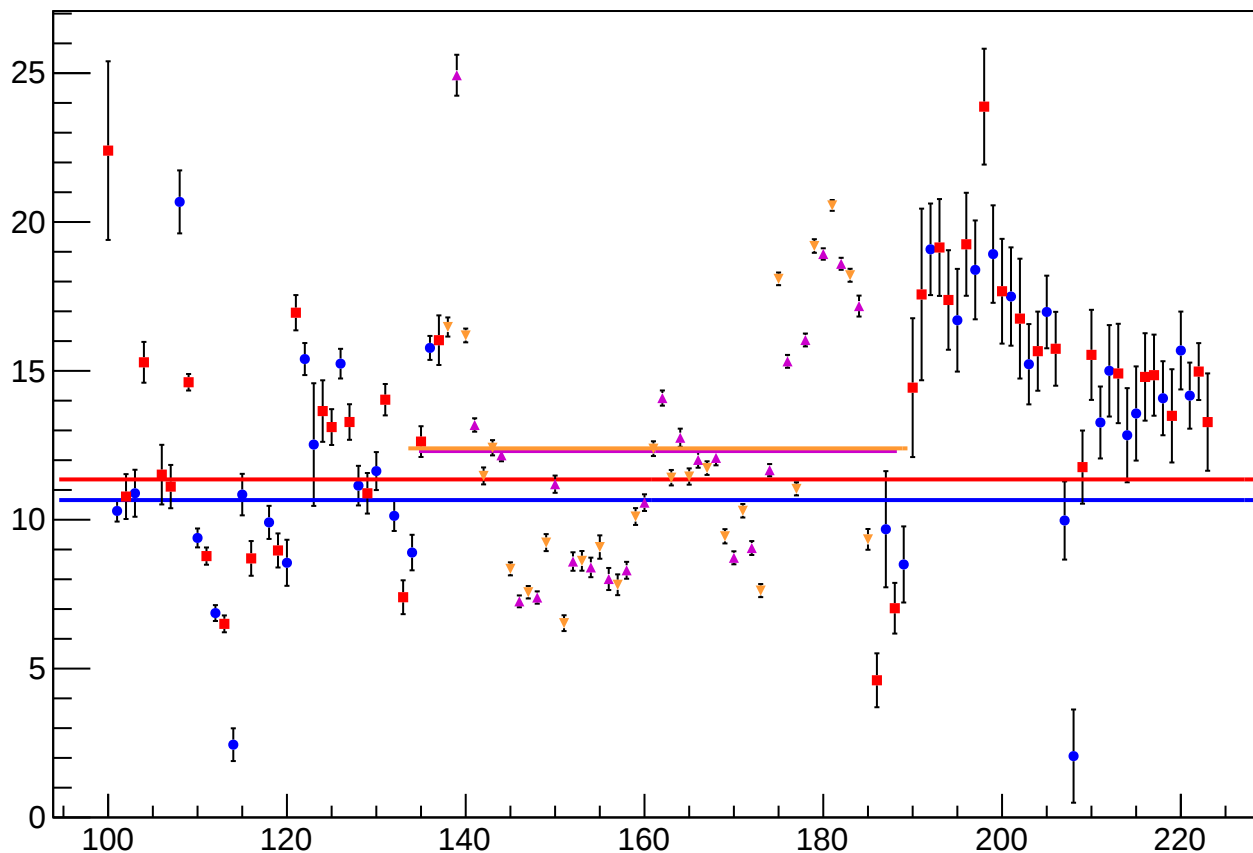
Left In: 9.231 ± 0.063 $\chi^2/\text{NDF}: 10736.2/22$

+ sign 10.587 ± 0.059 $\chi^2/\text{NDF}: 18291.7/42$

All: 10.640 ± 0.042 $\chi^2/\text{NDF}: 38191.2/85$

- sign 10.695 ± 0.060 $\chi^2/\text{NDF}: 19897.9/42$

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.660 ± 0.113 $\chi^2/\text{NDF}: 1106.7/34$

Left Out: 12.397 ± 0.050 $\chi^2/\text{NDF}: 7542.8/24$

Right Out: 11.354 ± 0.109 $\chi^2/\text{NDF}: 1092.8/38$

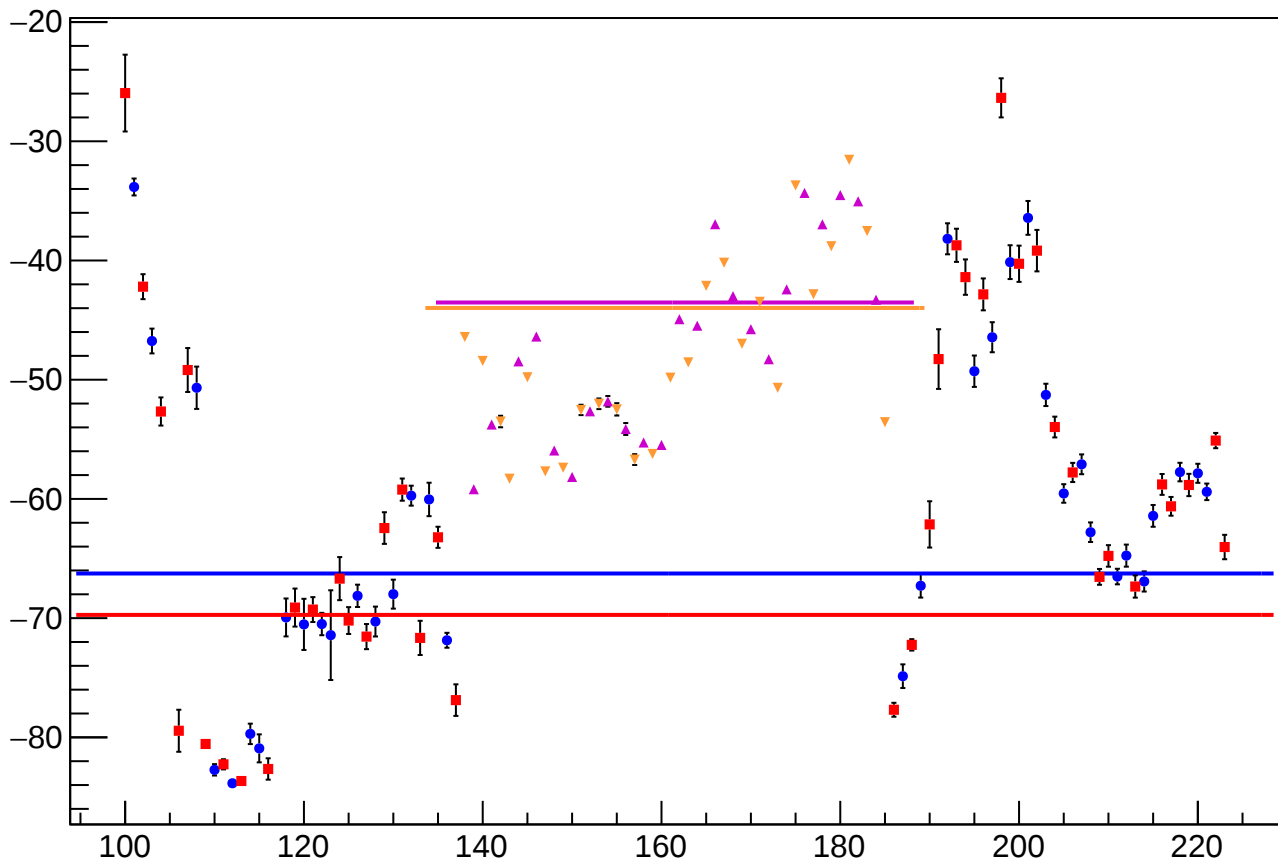
Left In: 12.307 ± 0.051 $\chi^2/\text{NDF}: 5601.8/22$

+ sign 12.114 ± 0.045 $\chi^2/\text{NDF}: 8848.4/59$

All: 12.124 ± 0.032 $\chi^2/\text{NDF}: 15605.7/121$

- sign 12.135 ± 0.046 $\chi^2/\text{NDF}: 6757.2/61$

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -66.256 ± 0.145 χ^2/NDF : 9026.6/34

Left Out: -43.982 ± 0.062 χ^2/NDF : 17736.8/24

Right Out: -69.729 ± 0.134 χ^2/NDF : 9203.8/38

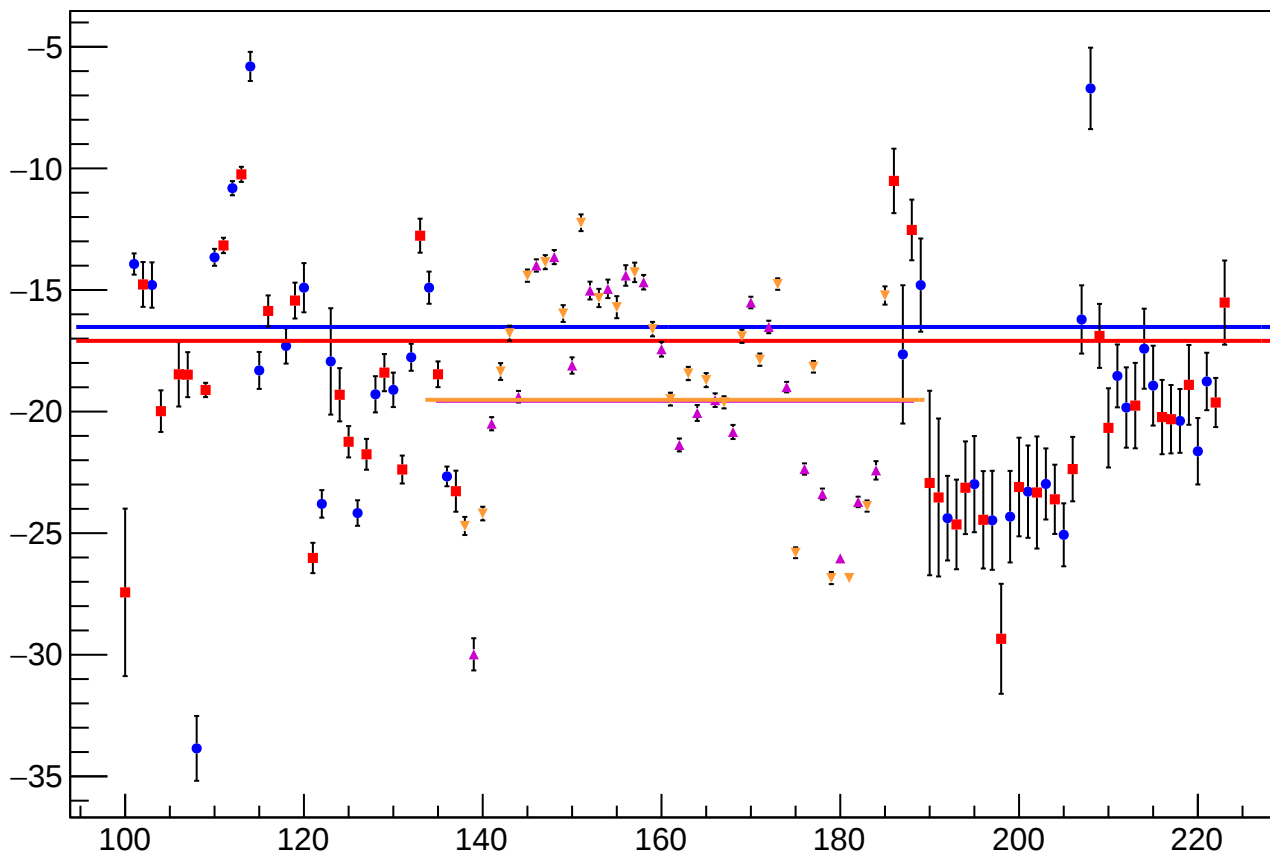
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -47.406 ± 0.057 χ^2/NDF : 46644.5/59

All: -47.860 ± 0.040 χ^2/NDF : 102579.4/121

- sign -48.318 ± 0.057 χ^2/NDF : 55807.4/61

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.521 ± 0.125 $\chi^2/\text{NDF}: 1841.1/34$

Left Out: -19.517 ± 0.056 $\chi^2/\text{NDF}: 6518.3/24$

Right Out: -17.092 ± 0.121 $\chi^2/\text{NDF}: 1409.0/38$

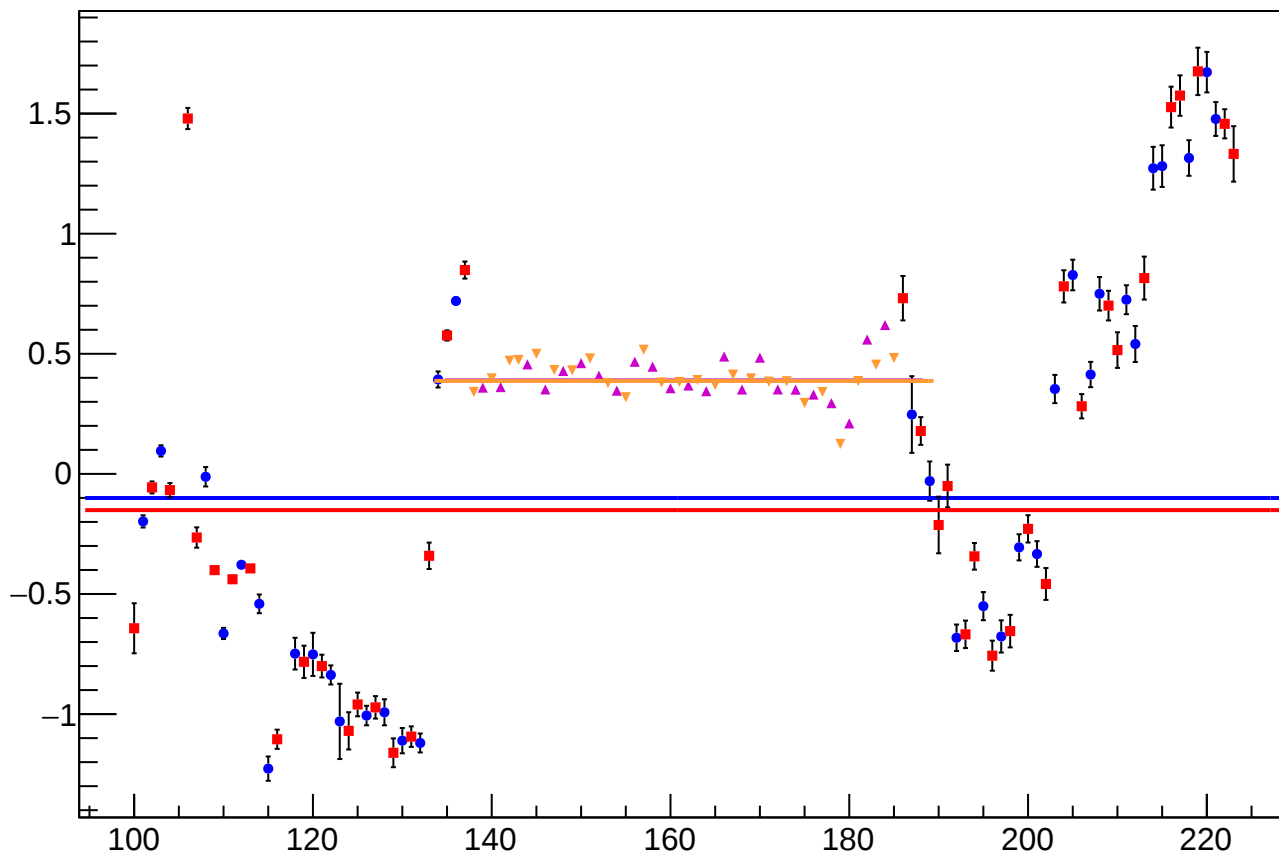
Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

+ sign -19.020 ± 0.051 $\chi^2/\text{NDF}: 8838.1/59$

All: -19.061 ± 0.036 $\chi^2/\text{NDF}: 14898.5/121$

- sign -19.102 ± 0.052 $\chi^2/\text{NDF}: 6059.2/61$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.100 ± 0.007 χ^2/NDF : 9335.3/34

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.151 ± 0.007 χ^2/NDF : 9387.9/38

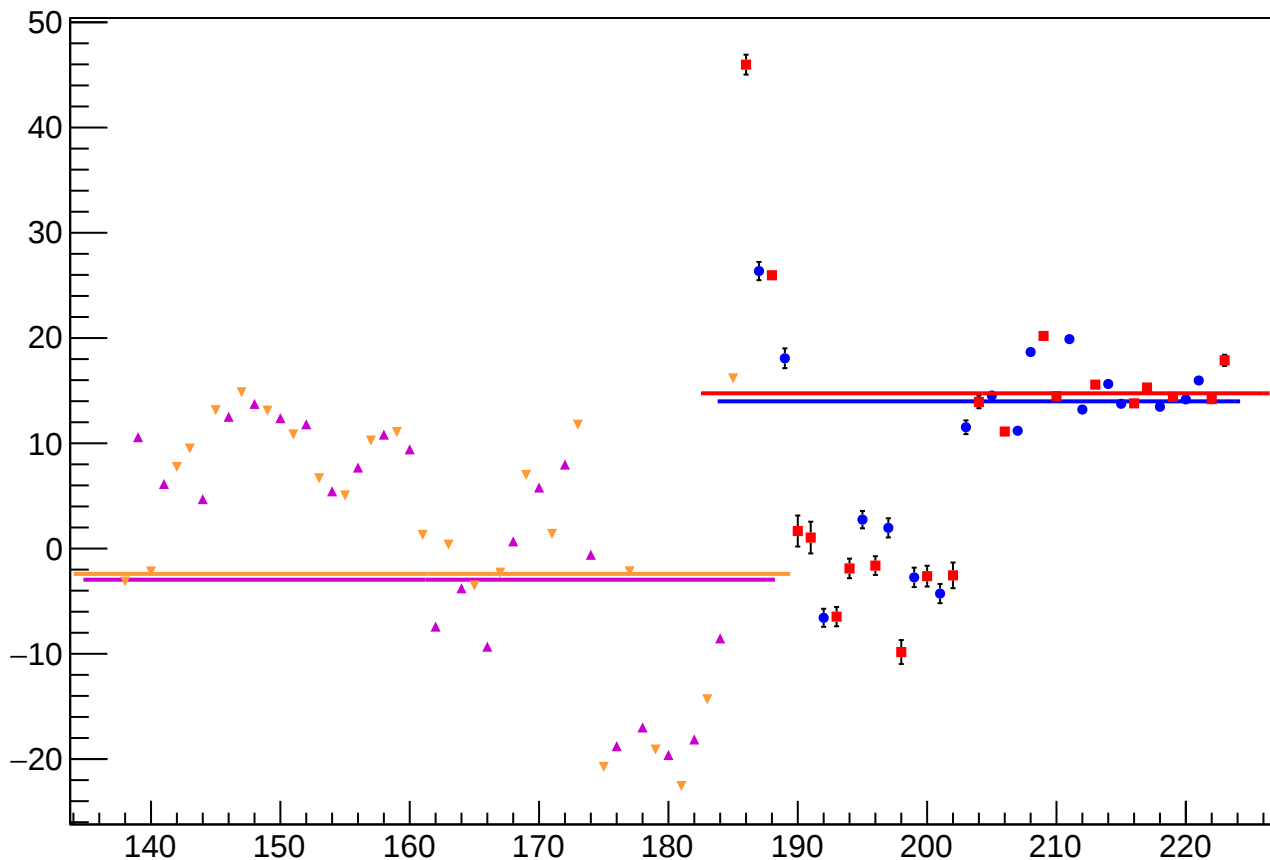
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.327 ± 0.002 χ^2/NDF : 14820.7/59

All: 0.321 ± 0.002 χ^2/NDF : 31388.5/121

- sign 0.314 ± 0.002 χ^2/NDF : 16553.9/61

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 13.986 ± 0.113 χ^2/NDF : 2413.0/17

Left Out: -2.407 ± 0.053 χ^2/NDF : 56368.5/24

Right Out: 14.750 ± 0.114 χ^2/NDF : 4478.6/19

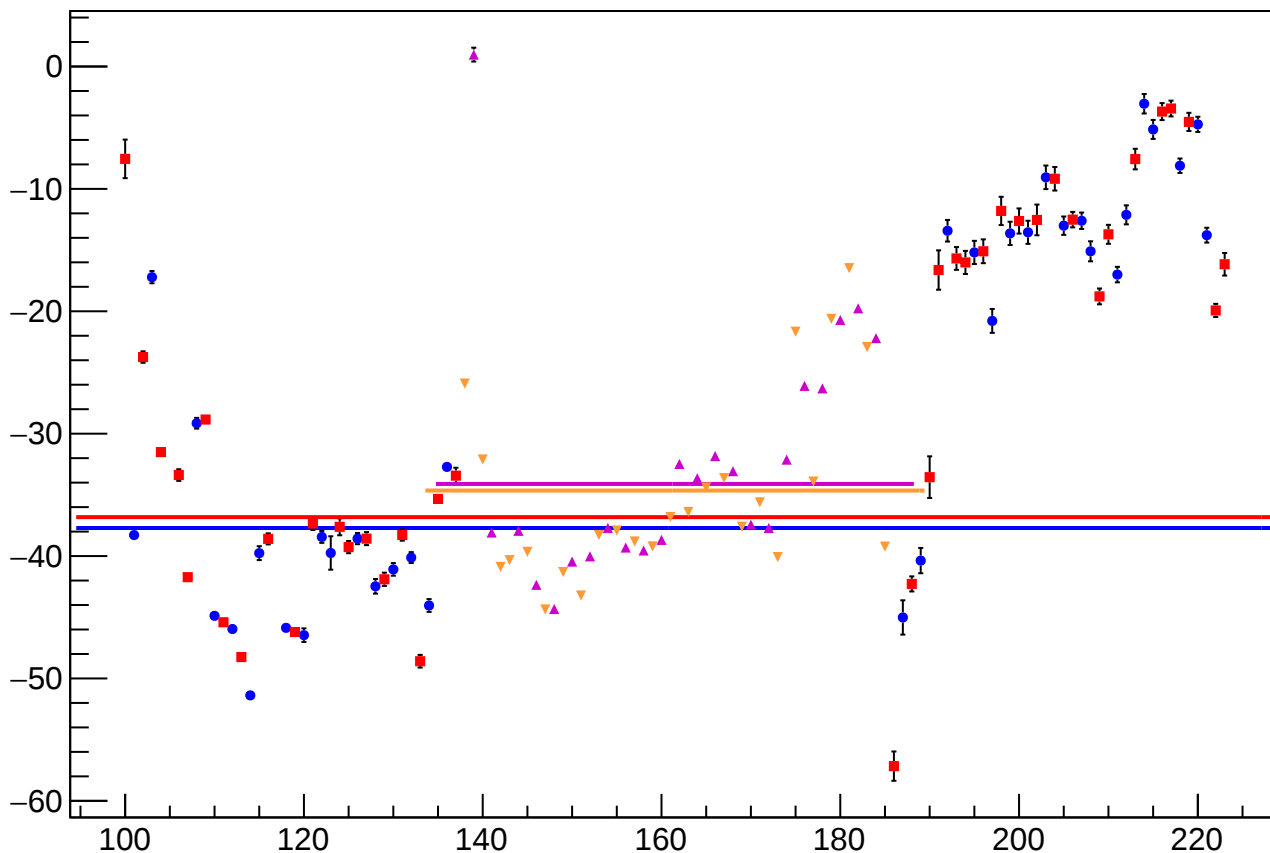
Left In: -2.959 ± 0.055 χ^2/NDF : 45922.6/22

+ sign 0.536 ± 0.048 χ^2/NDF : 76099.9/42

All: 0.445 ± 0.034 χ^2/NDF : 145967.7/85

- sign 0.348 ± 0.049 χ^2/NDF : 69860.4/42

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -37.708 ± 0.072 $\chi^2/\text{NDF}: 29568.8/34$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -36.820 ± 0.068 $\chi^2/\text{NDF}: 30238.6/38$

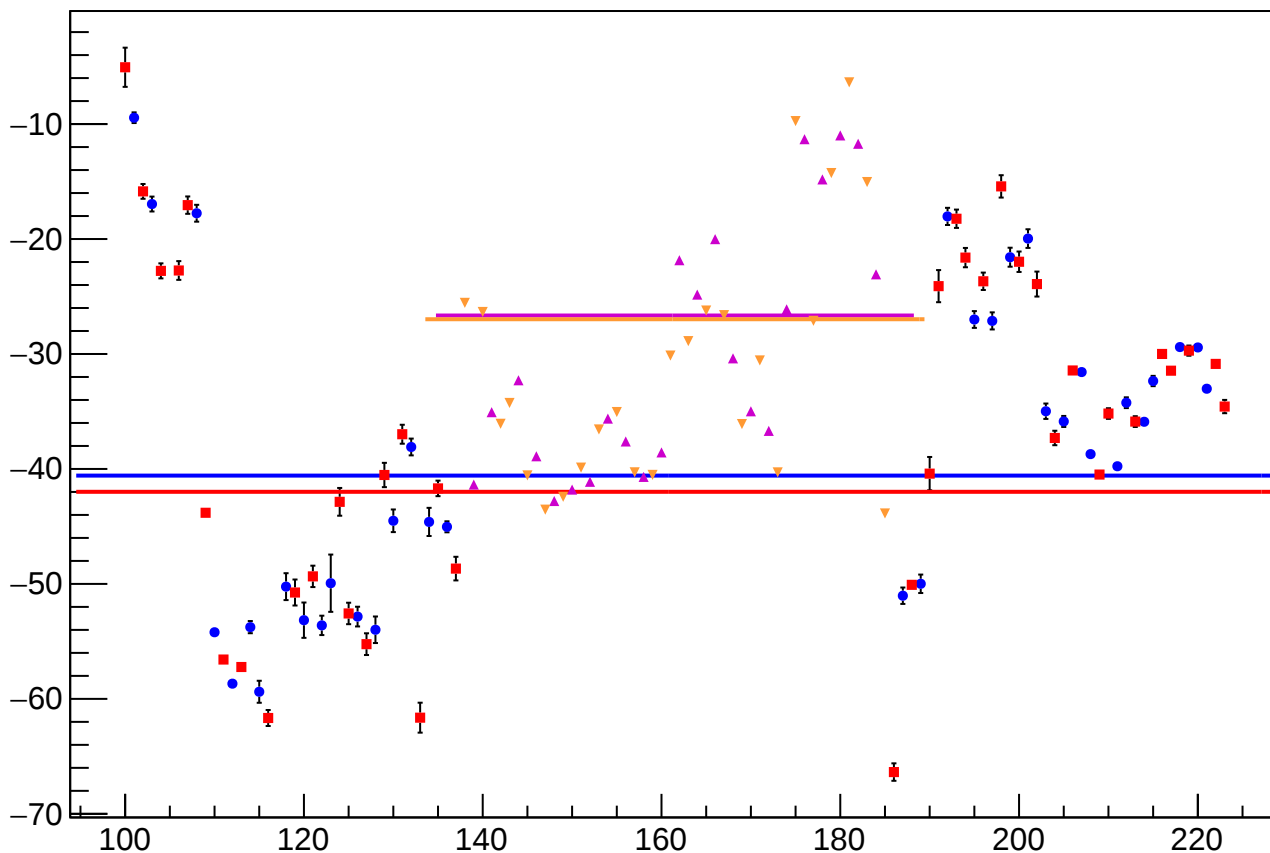
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -35.417 ± 0.036 $\chi^2/\text{NDF}: 65596.4/59$

All: -35.170 ± 0.026 $\chi^2/\text{NDF}: 126112.3/121$

- sign -34.913 ± 0.037 $\chi^2/\text{NDF}: 60420.4/61$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -40.578 ± 0.085 χ^2/NDF : 25504.6/34

Left Out: -26.978 ± 0.053 χ^2/NDF : 49361.1/24

Right Out: -41.988 ± 0.079 χ^2/NDF : 24953.6/38

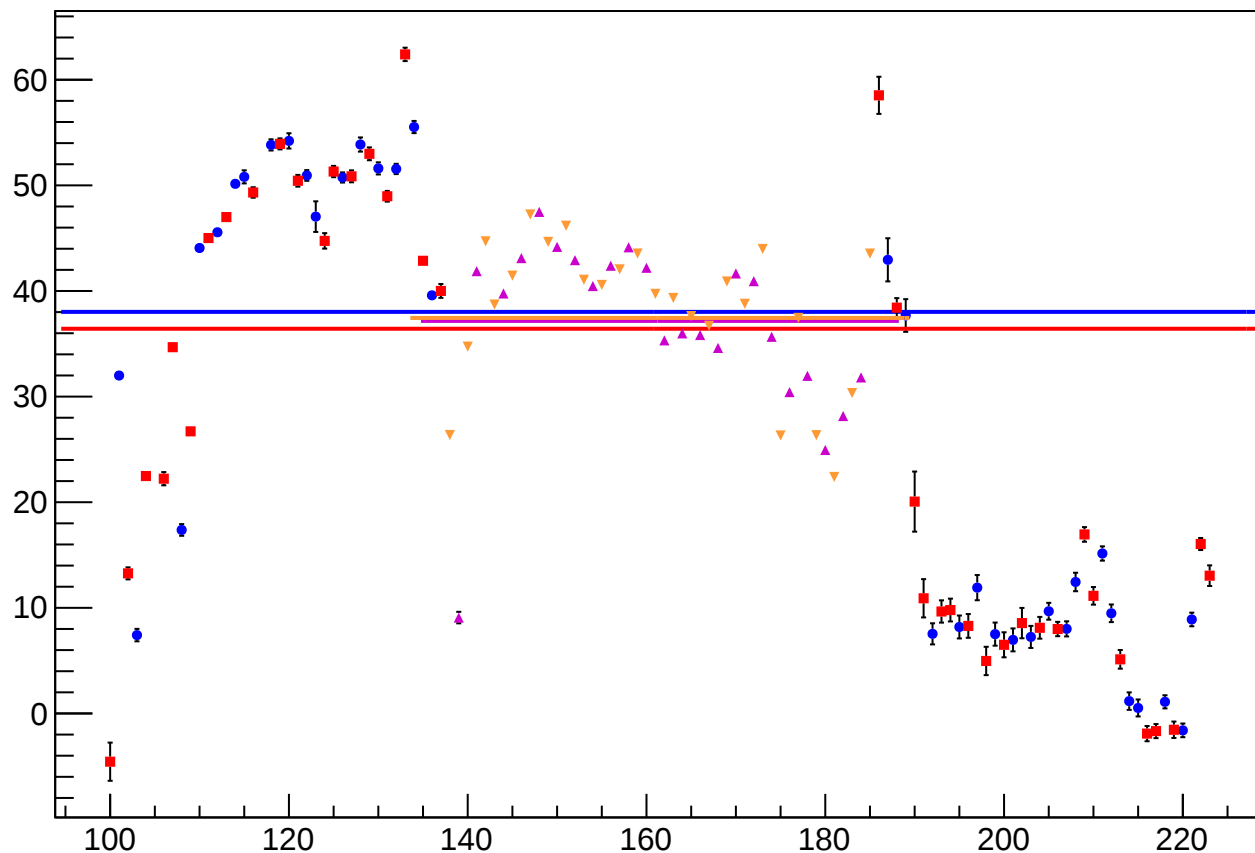
Left In: -26.654 ± 0.055 χ^2/NDF : 42106.8/22

+ sign -30.810 ± 0.045 χ^2/NDF : 93287.2/59

All: -31.235 ± 0.032 χ^2/NDF : 185964.8/121

- sign -31.660 ± 0.045 χ^2/NDF : 92499.5/61

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 38.022 ± 0.080 $\chi^2/\text{NDF}: 39111.2/34$

Left Out: 37.447 ± 0.047 $\chi^2/\text{NDF}: 21570.6/24$

Right Out: 36.426 ± 0.075 $\chi^2/\text{NDF}: 39832.1/38$

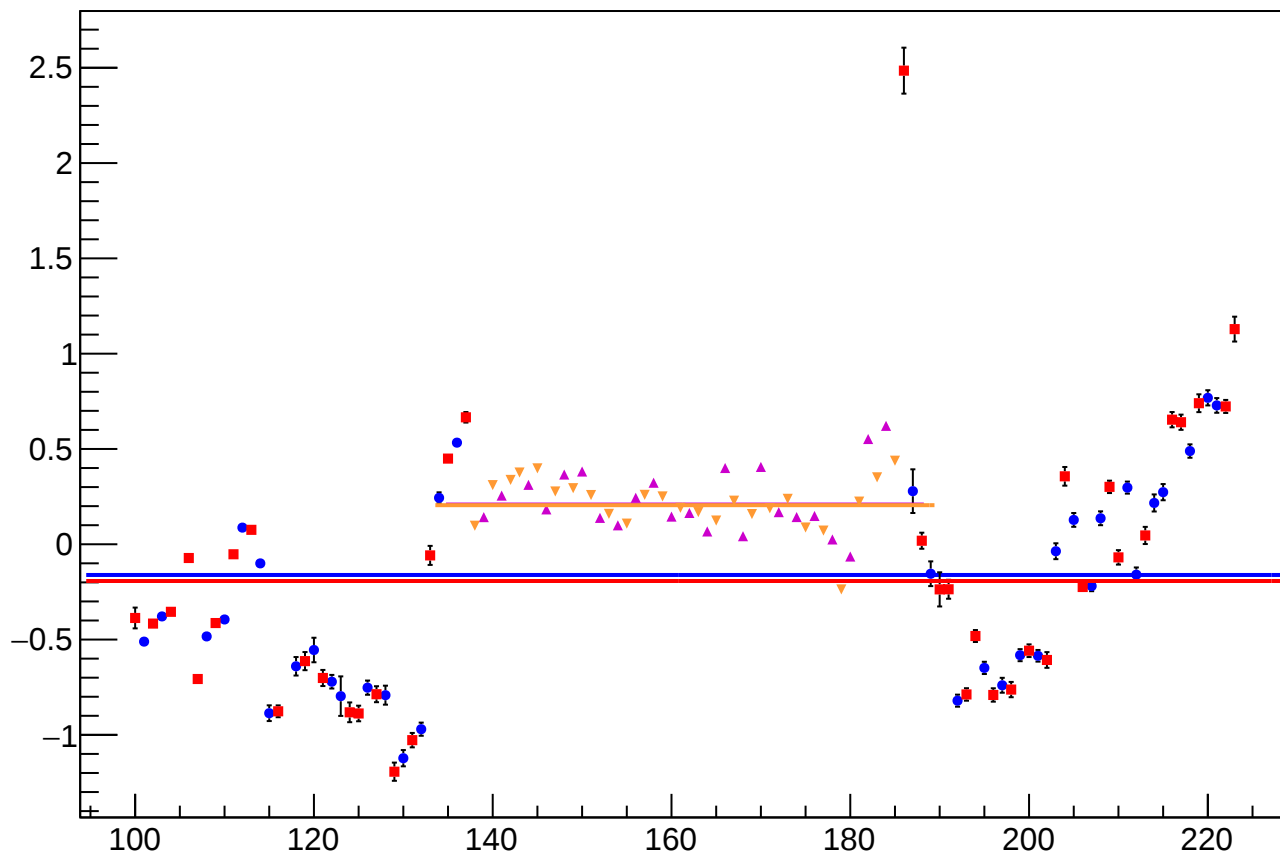
Left In: 37.169 ± 0.049 $\chi^2/\text{NDF}: 17236.9/22$

+ sign 37.595 ± 0.041 $\chi^2/\text{NDF}: 60720.3/59$

All: 37.273 ± 0.029 $\chi^2/\text{NDF}: 117985.7/121$

- sign 36.943 ± 0.041 $\chi^2/\text{NDF}: 57138.0/61$

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.161 ± 0.004 $\chi^2/\text{NDF}: 10578.2/34$

Left Out: 0.205 ± 0.002 $\chi^2/\text{NDF}: 3826.2/24$

Right Out: -0.193 ± 0.004 $\chi^2/\text{NDF}: 11906.1/38$

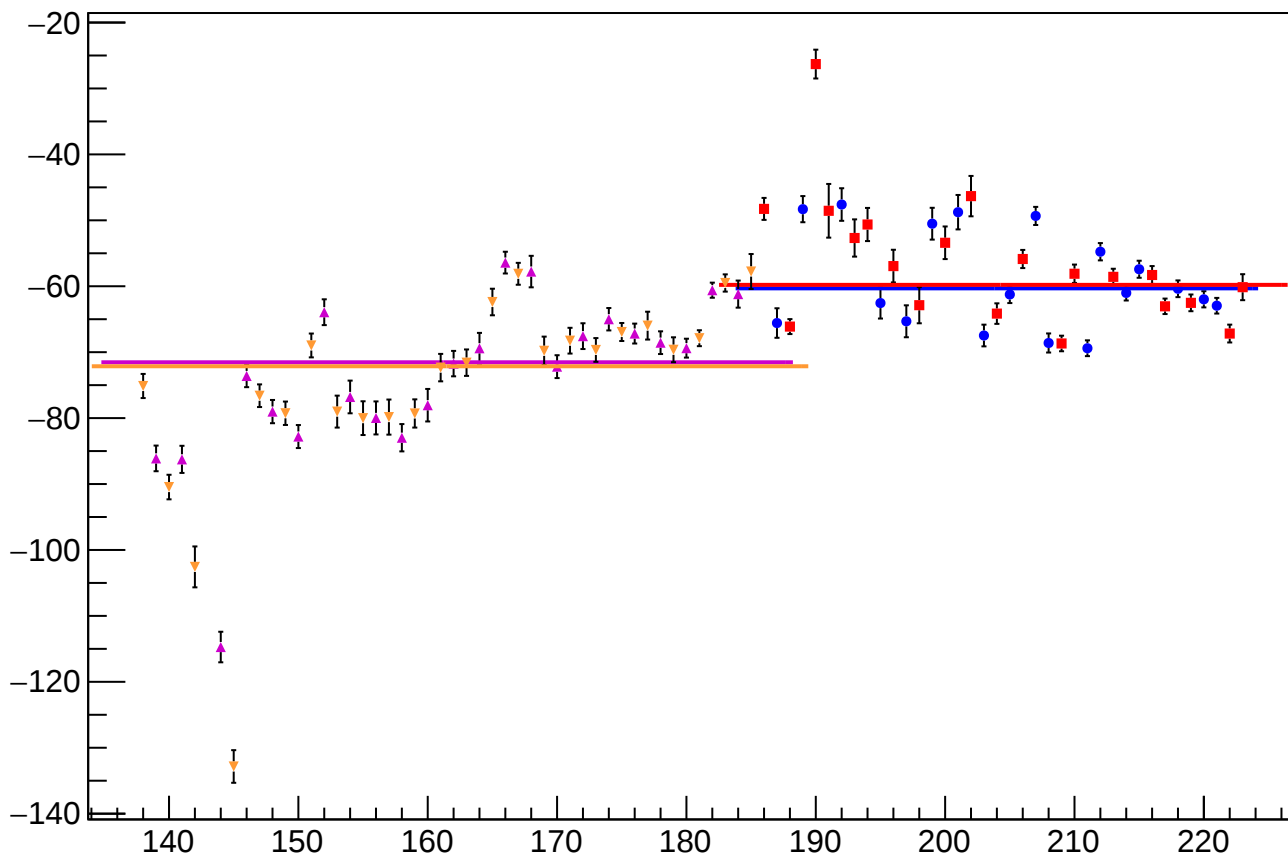
Left In: 0.208 ± 0.002 $\chi^2/\text{NDF}: 5094.6/22$

+ sign 0.129 ± 0.002 $\chi^2/\text{NDF}: 20332.3/59$

All: 0.118 ± 0.001 $\chi^2/\text{NDF}: 45438.1/121$

- sign 0.107 ± 0.002 $\chi^2/\text{NDF}: 25045.9/61$

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -60.320 ± 0.356 χ^2/NDF : 313.7/17

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -59.789 ± 0.358 χ^2/NDF : 487.8/19

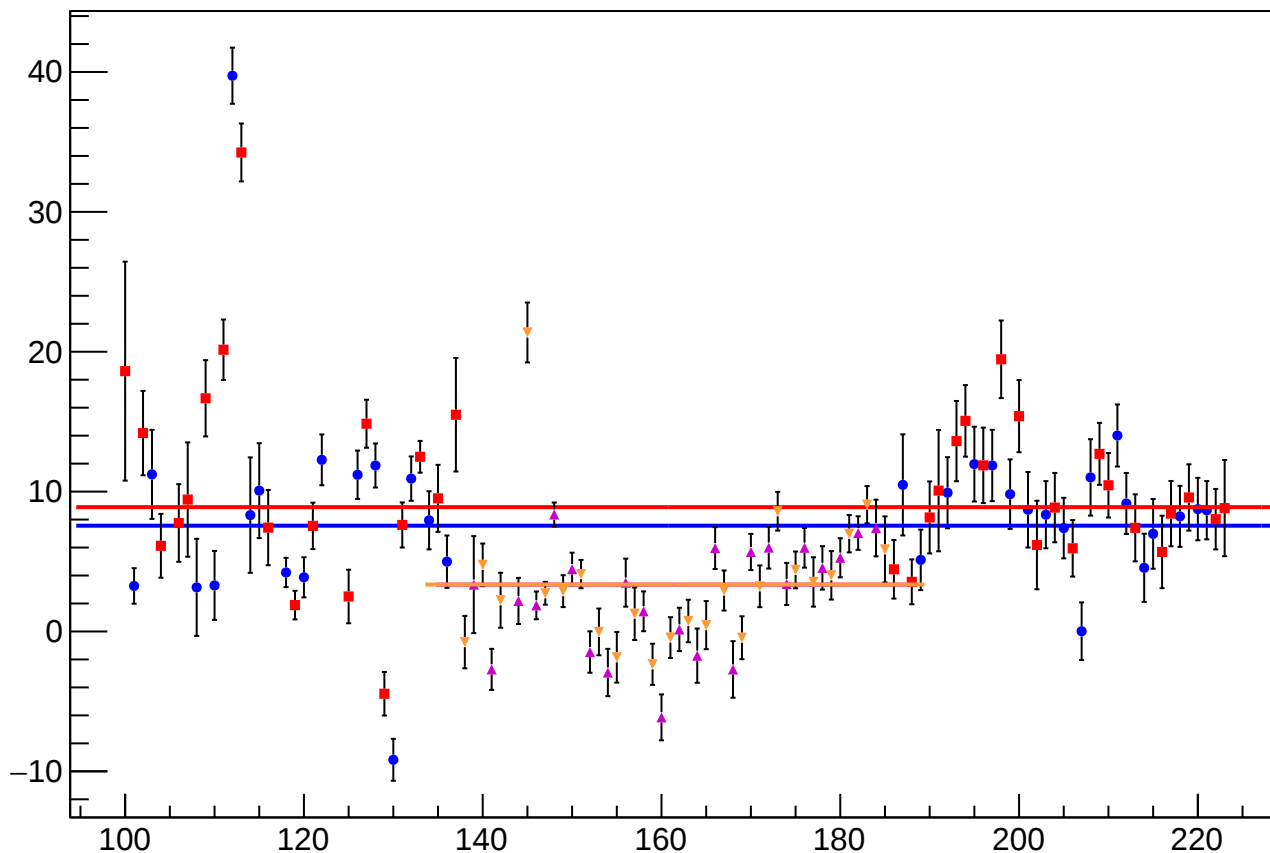
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -65.803 ± 0.261 χ^2/NDF : 1945.8/41

All: -65.547 ± 0.185 χ^2/NDF : 3790.3/84

- sign -65.291 ± 0.261 χ^2/NDF : 1842.6/42

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.563 ± 0.346 $\chi^2/\text{NDF}: 477.2/33$

Left Out: 3.357 ± 0.295 $\chi^2/\text{NDF}: 167.7/23$

Right Out: 8.890 ± 0.346 $\chi^2/\text{NDF}: 404.5/37$

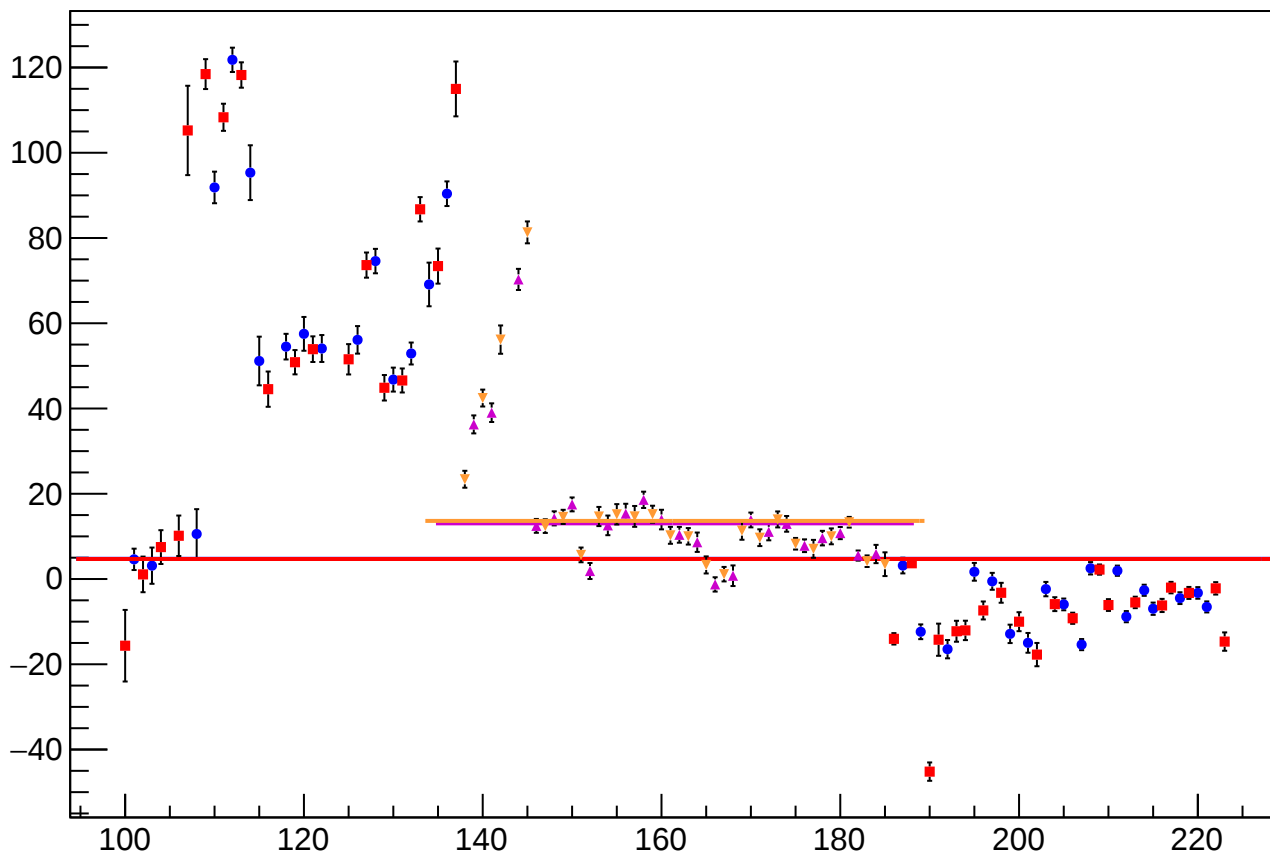
Left In: 3.349 ± 0.298 $\chi^2/\text{NDF}: 163.5/22$

+ sign 5.124 ± 0.224 $\chi^2/\text{NDF}: 730.4/57$

All: 5.417 ± 0.159 $\chi^2/\text{NDF}: 1449.1/118$

- sign 5.713 ± 0.226 $\chi^2/\text{NDF}: 715.3/60$

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 4.738 ± 0.332 χ^2/NDF : 6679.1/33

Left Out: 13.632 ± 0.382 χ^2/NDF : 1300.0/23

Right Out: 4.697 ± 0.326 χ^2/NDF : 8314.8/37

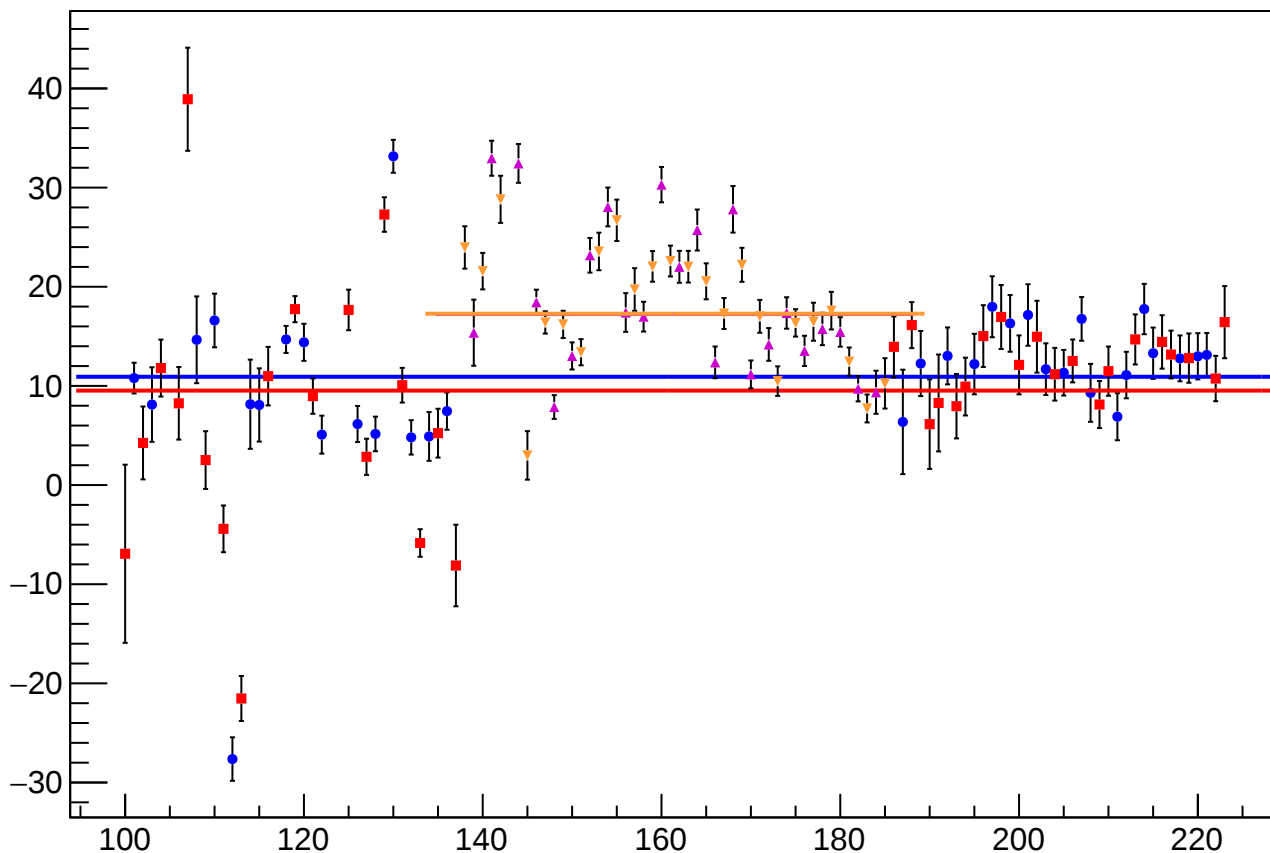
Left In: 13.058 ± 0.380 χ^2/NDF : 1024.7/22

+ sign 8.562 ± 0.250 χ^2/NDF : 8288.5/57

All: 8.398 ± 0.176 χ^2/NDF : 17908.2/118

- sign 8.238 ± 0.247 χ^2/NDF : 9618.8/60

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.921 ± 0.393 $\chi^2/\text{NDF}: 590.4/33$

Left Out: 17.280 ± 0.337 $\chi^2/\text{NDF}: 243.9/23$

Right Out: 9.527 ± 0.397 $\chi^2/\text{NDF}: 623.8/37$

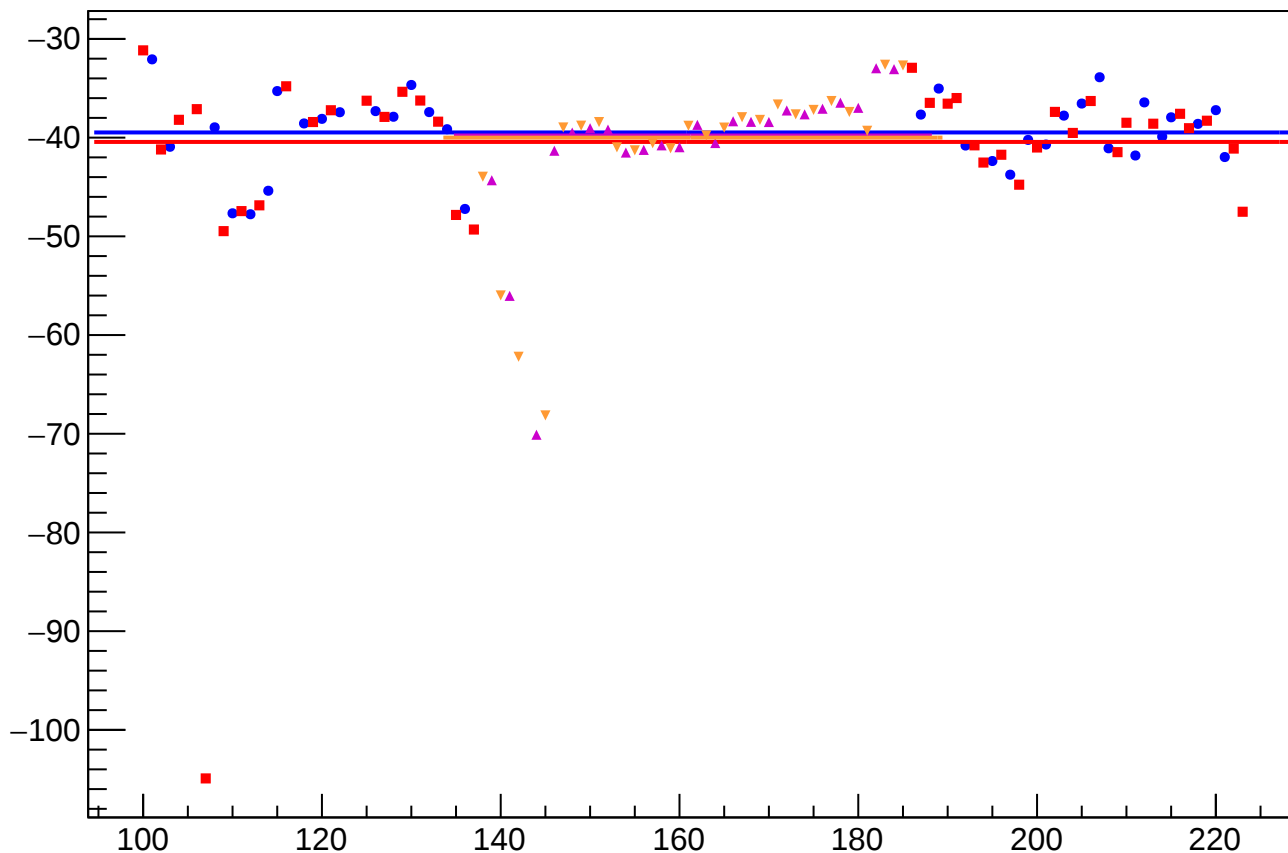
Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

+ sign 14.586 ± 0.256 $\chi^2/\text{NDF}: 985.0/57$

All: 14.291 ± 0.182 $\chi^2/\text{NDF}: 2270.3/118$

- sign 13.990 ± 0.258 $\chi^2/\text{NDF}: 1282.7/60$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.475 ± 0.020 $\chi^2/\text{NDF}: 38545.9/33$

Left Out: -39.999 ± 0.016 $\chi^2/\text{NDF}: 172263.8/23$

Right Out: -40.436 ± 0.020 $\chi^2/\text{NDF}: 108871.3/37$

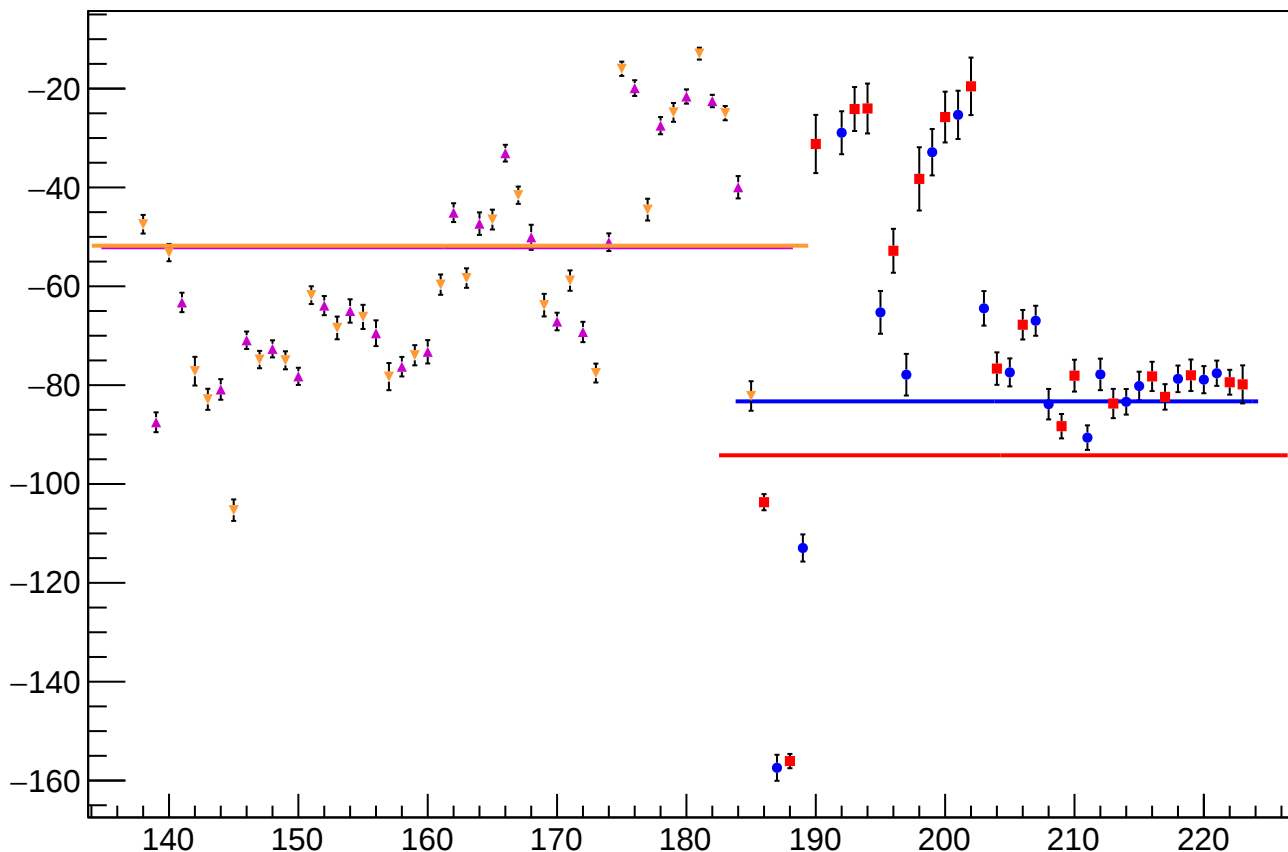
Left In: -39.785 ± 0.016 $\chi^2/\text{NDF}: 144494.5/22$

+ sign -39.796 ± 0.012 $\chi^2/\text{NDF}: 211239.6/57$

All: -39.917 ± 0.009 $\chi^2/\text{NDF}: 465465.6/118$

- sign -40.036 ± 0.012 $\chi^2/\text{NDF}: 254035.2/60$

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -83.281 ± 0.726 $\chi^2/\text{NDF}: 1427.2/17$

Left Out: -51.787 ± 0.383 $\chi^2/\text{NDF}: 4164.8/24$

Right Out: -94.195 ± 0.662 $\chi^2/\text{NDF}: 3200.5/18$

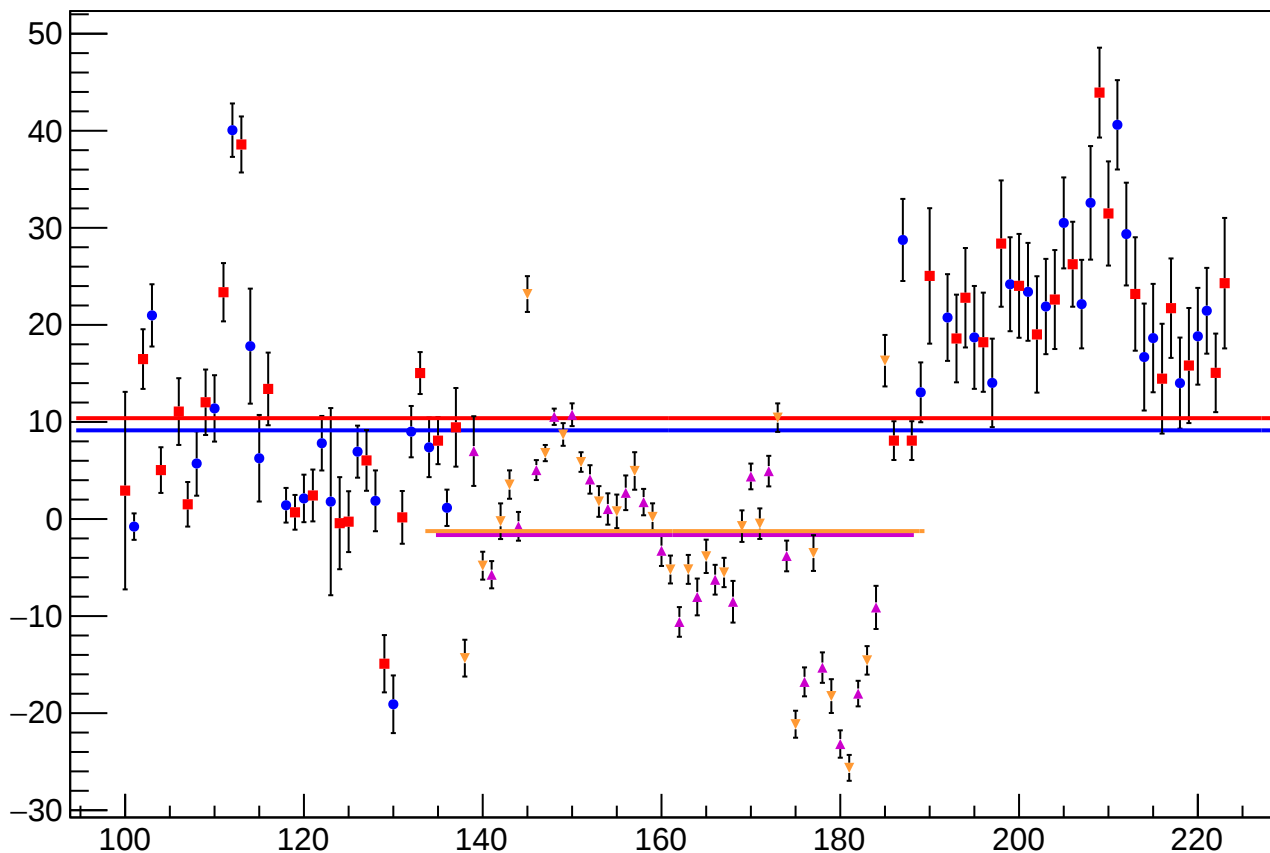
Left In: -52.104 ± 0.389 $\chi^2/\text{NDF}: 3280.2/22$

+ sign -58.639 ± 0.338 $\chi^2/\text{NDF}: 7066.0/42$

All: -60.788 ± 0.238 $\chi^2/\text{NDF}: 16633.6/84$

- sign -62.896 ± 0.335 $\chi^2/\text{NDF}: 9487.7/41$

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.136 ± 0.546 $\chi^2/\text{NDF}: 522.0/34$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 10.390 ± 0.537 $\chi^2/\text{NDF}: 428.1/37$

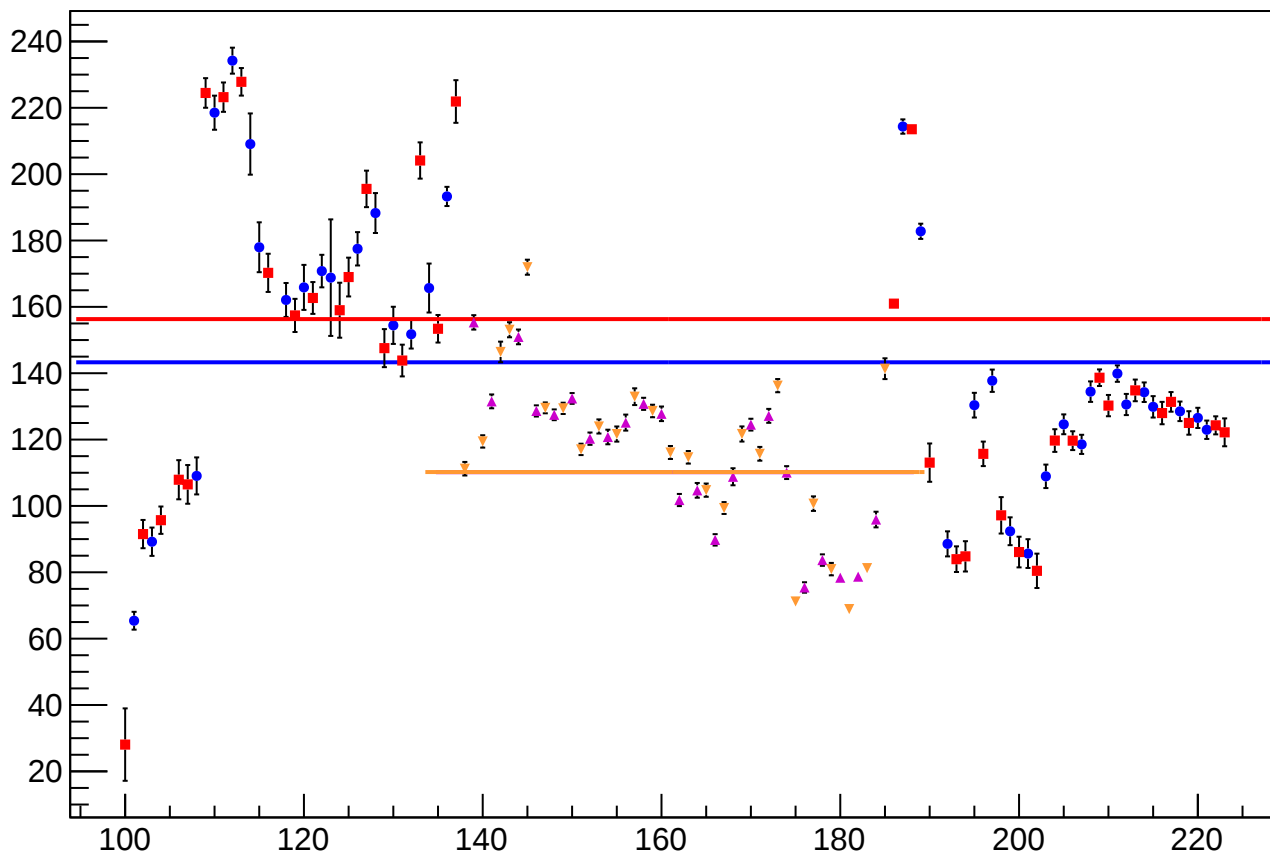
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 1.061 ± 0.257 $\chi^2/\text{NDF}: 2126.0/59$

All: 1.139 ± 0.184 $\chi^2/\text{NDF}: 4029.8/120$

- sign 1.219 ± 0.262 $\chi^2/\text{NDF}: 1903.7/60$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 143.293 ± 0.604 $\chi^2/\text{NDF}: 4636.5/34$

Left Out: 110.213 ± 0.382 $\chi^2/\text{NDF}: 4593.7/24$

Right Out: 156.312 ± 0.541 $\chi^2/\text{NDF}: 6380.5/37$

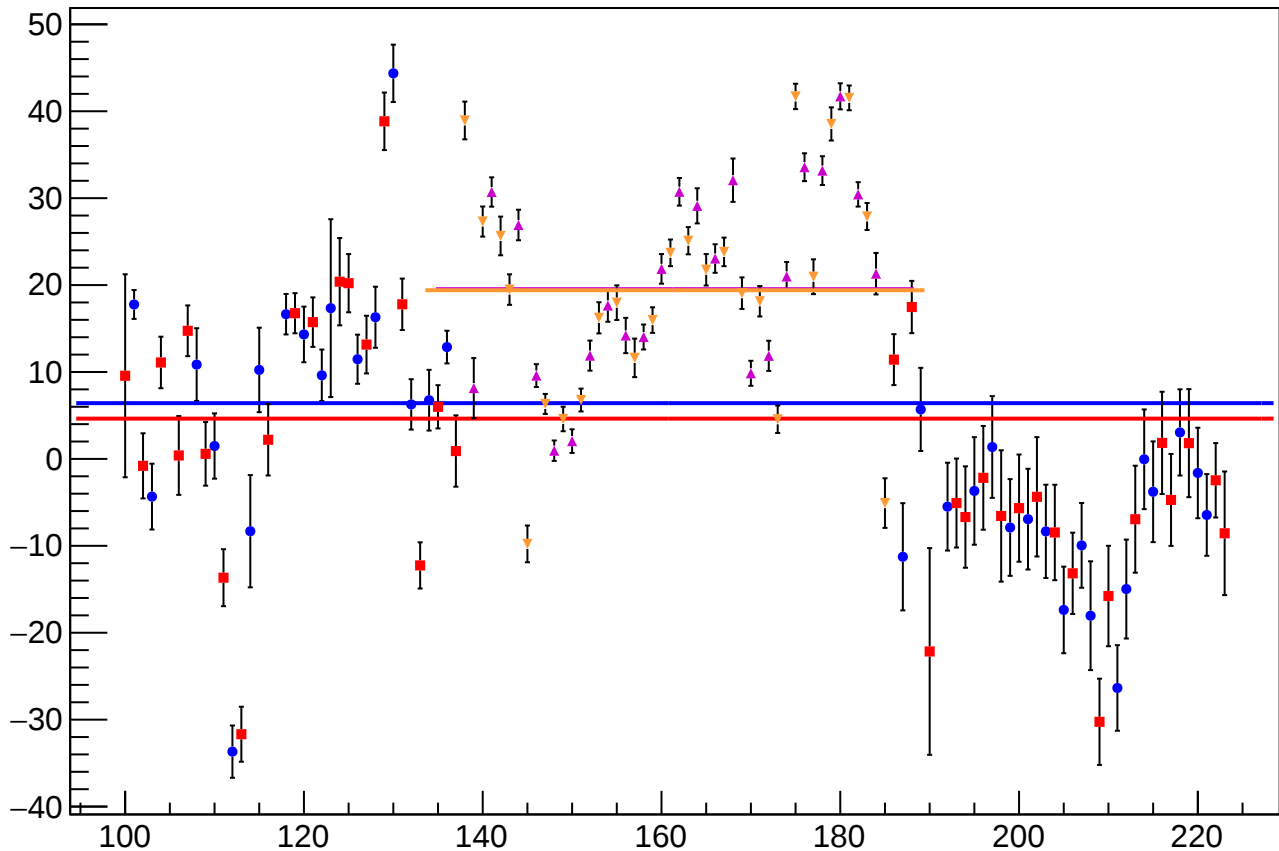
Left In: 110.171 ± 0.386 $\chi^2/\text{NDF}: 3702.6/22$

+ sign 119.662 ± 0.323 $\chi^2/\text{NDF}: 11371.6/59$

All: 122.787 ± 0.225 $\chi^2/\text{NDF}: 26460.4/120$

- sign 125.745 ± 0.314 $\chi^2/\text{NDF}: 14906.4/60$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 6.416 $\pm$ 0.626 χ^2 /NDF: 583.3/34

Left Out: 19.405 $\pm$ 0.335 χ^2 /NDF:1453.4/24

Right Out: 4.635 $\pm$ 0.630 χ^2 /NDF: 572.9/37

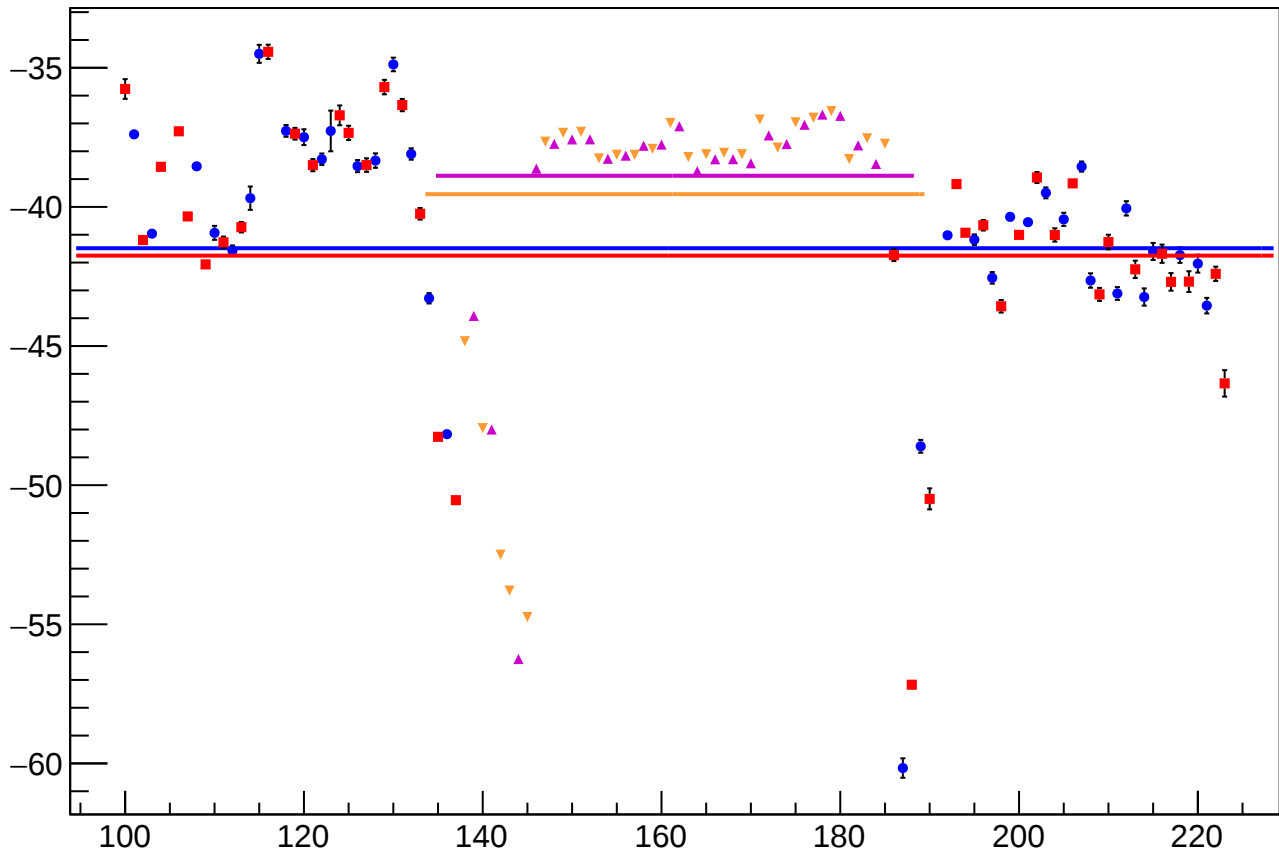
Left In: 19.530 $\pm$ 0.342 χ^2 /NDF:1181.3/22

+ sign 16.519 $\pm$ 0.295 χ^2 /NDF: 2371.4/59

All: 16.330 $\pm$ 0.211 χ^2 /NDF: 4558.0/120

- sign 16.132 $\pm$ 0.301 χ^2 /NDF: 2185.8/60

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.485 ± 0.031 χ^2/NDF : 17015.8/34

Left Out: -39.542 ± 0.016 χ^2/NDF : 92024.1/24

Right Out: -41.750 ± 0.031 χ^2/NDF : 23230.8/37

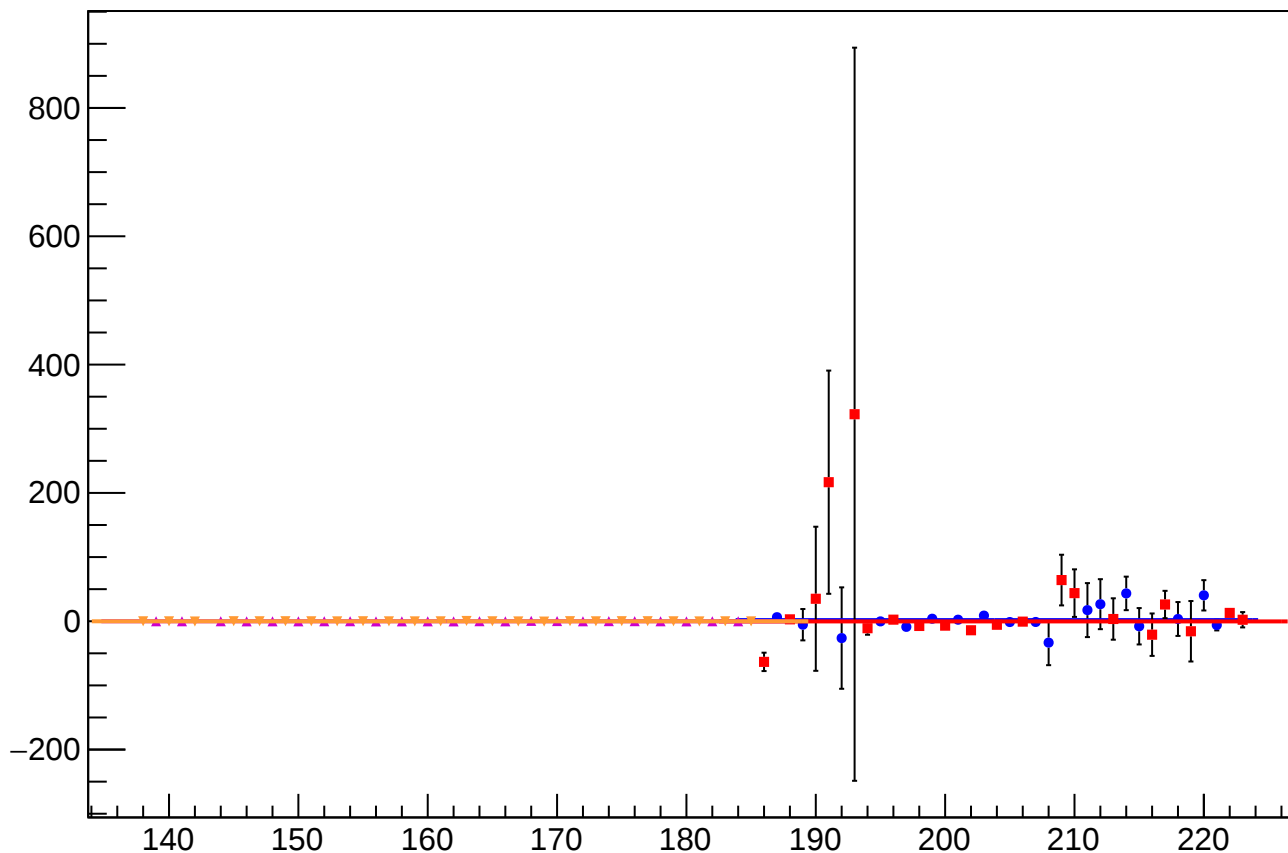
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.940 ± 0.014 χ^2/NDF : 112165.8/59

All: -39.712 ± 0.010 χ^2/NDF : 196210.4/120

- sign -39.483 ± 0.014 χ^2/NDF : 83515.4/60

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.779 ± 1.498 χ^2/NDF : 19.0/17

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: -0.263 ± 1.380 χ^2/NDF : 42.0/19

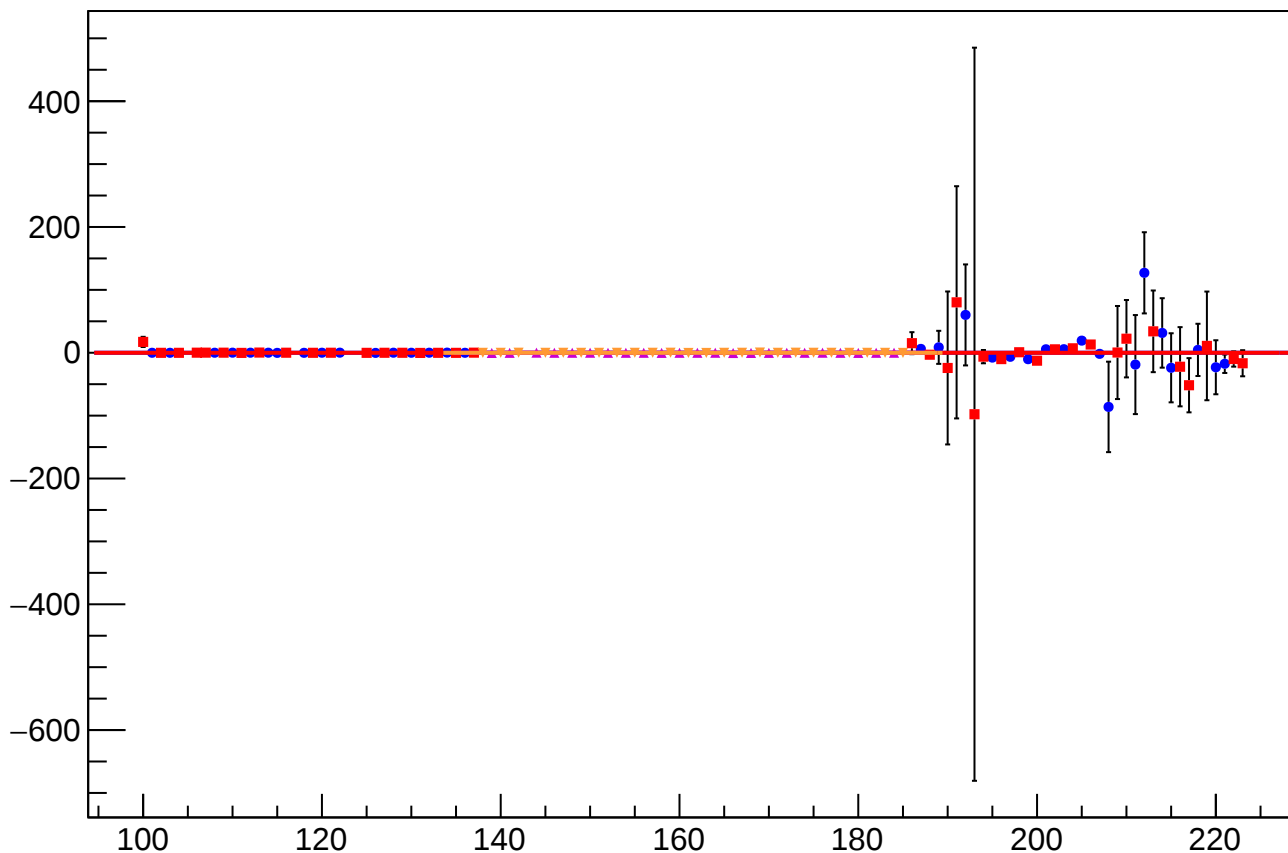
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 60.2/41

All: -0.057 ± 0.016 χ^2/NDF : 139.6/84

- sign -0.026 ± 0.022 χ^2/NDF : 75.4/42

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 39.5/33

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 44.4/37

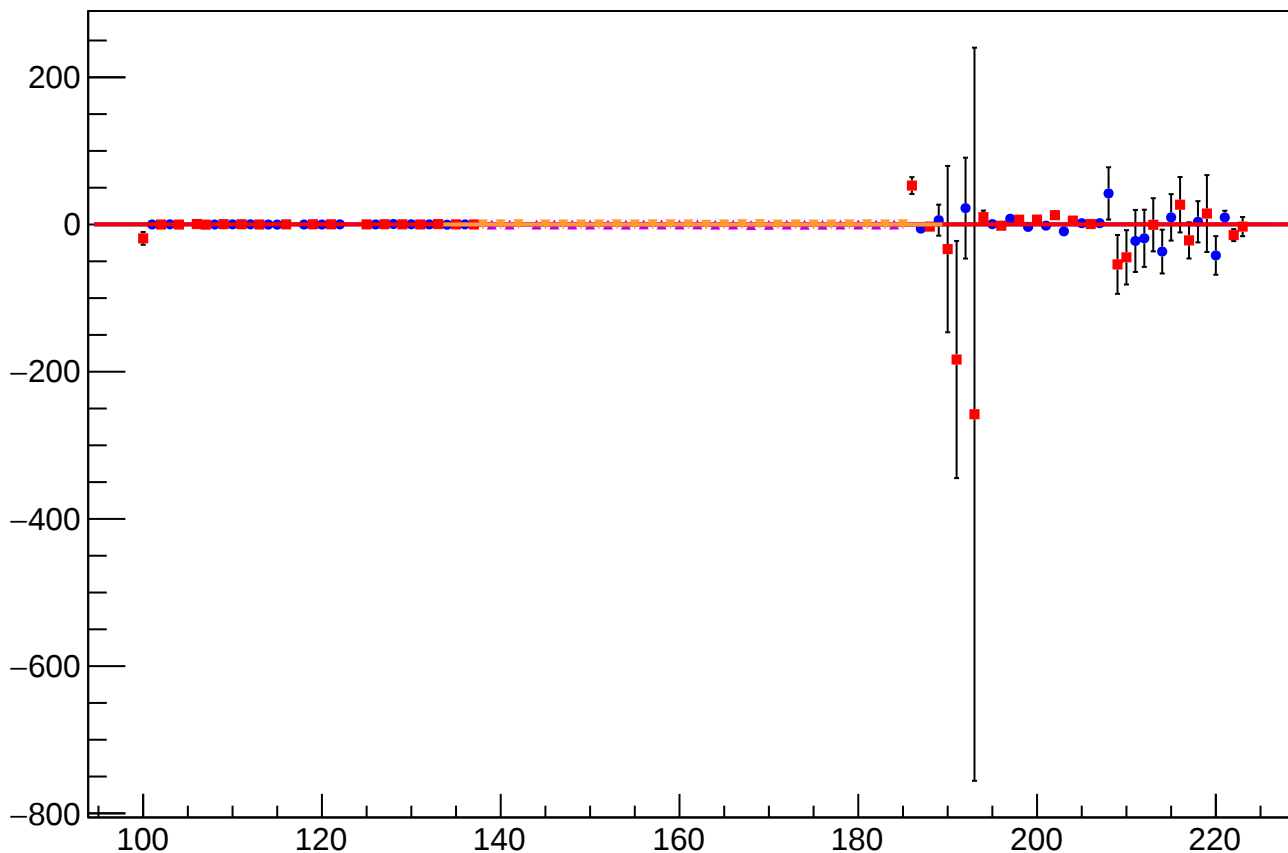
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 71.0/57

All: -0.056 ± 0.011 χ^2/NDF : 147.2/118

- sign -0.052 ± 0.015 χ^2/NDF : 76.1/60

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 ± 0.053 χ^2/NDF : 34.4/33

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.235 ± 0.054 χ^2/NDF : 64.9/37

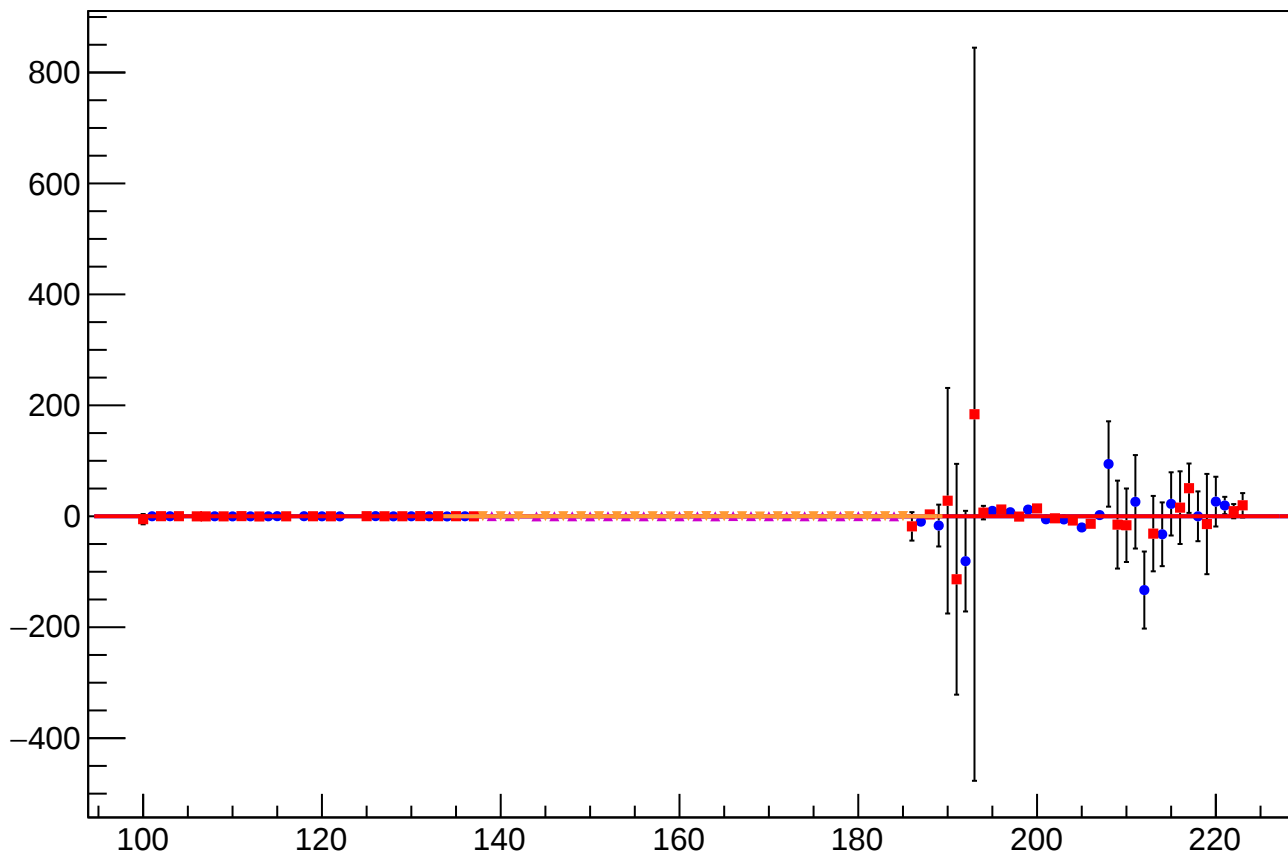
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 75.3/57

All: 0.073 ± 0.014 χ^2/NDF : 191.7/118

- sign 0.051 ± 0.021 χ^2/NDF : 114.1/60

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 41.1/33

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.057 ± 0.034 χ^2/NDF : 37.6/37

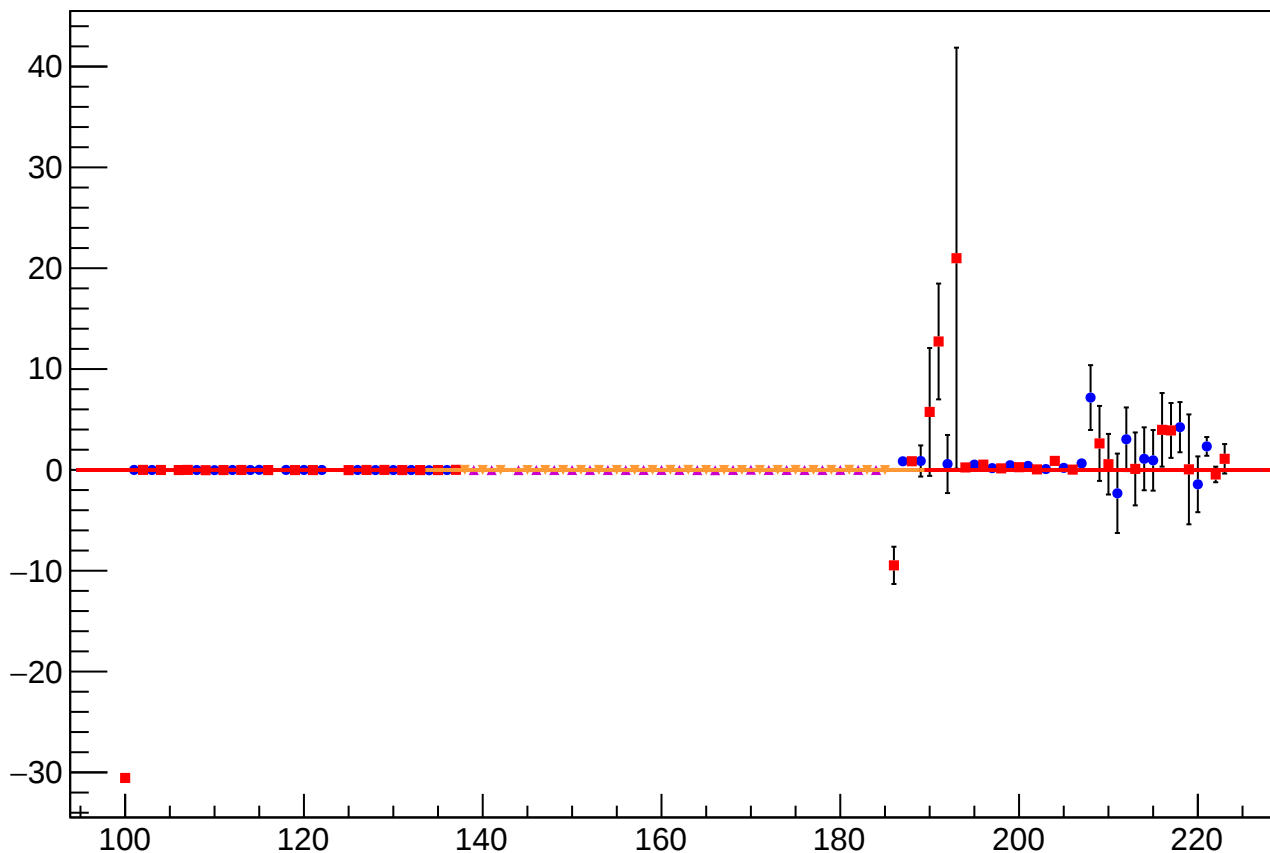
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 79.1/57

All: 0.071 ± 0.012 χ^2/NDF : 148.3/118

- sign 0.066 ± 0.017 χ^2/NDF : 69.0/60

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 57.7/33

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11959.0/37

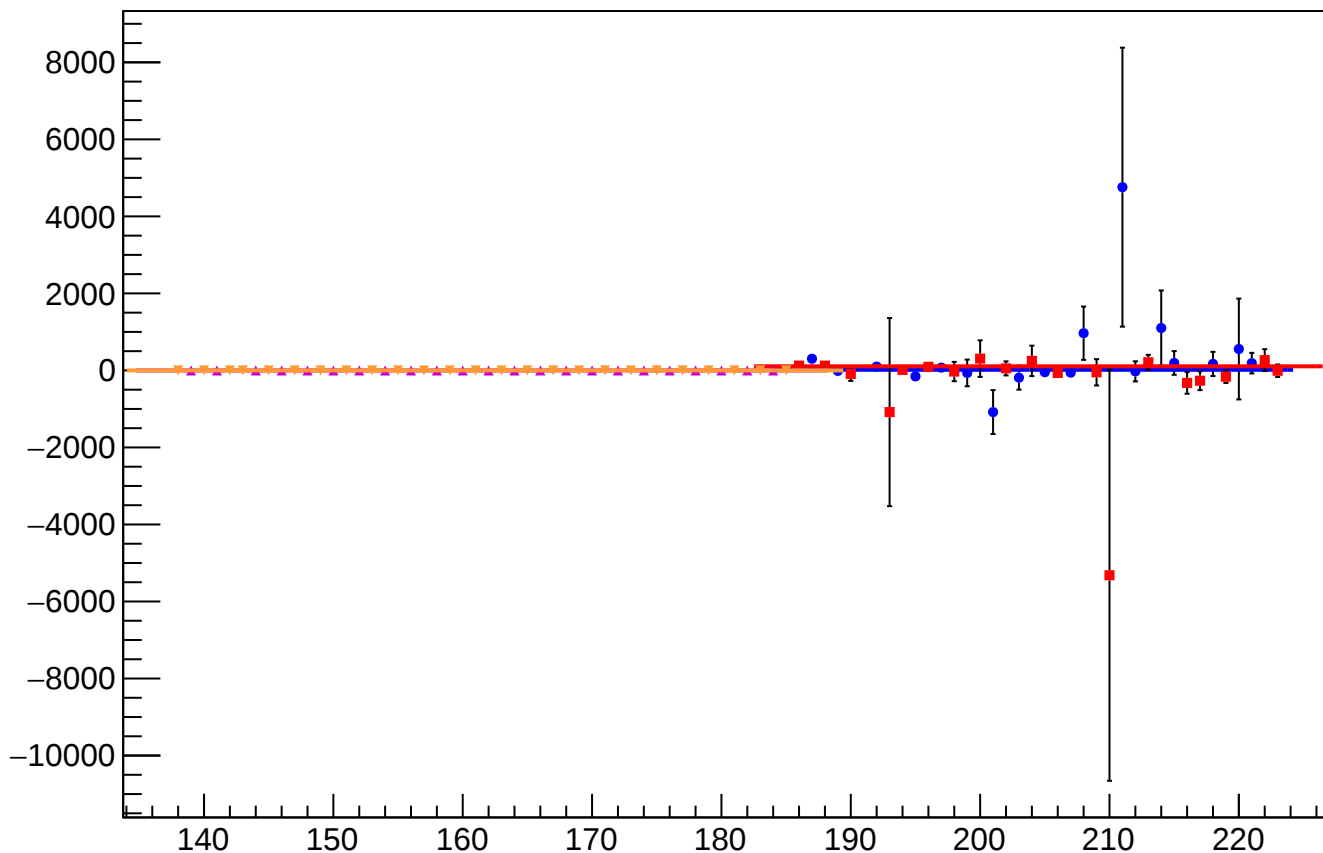
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 91.2/57

All: -0.009 ± 0.001 χ^2/NDF : 12093.8/118

- sign -0.009 ± 0.001 χ^2/NDF : 12002.3/60

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 16.678+/-25.598 χ^2/NDF : 26.4/17

Left Out: 0.017+/-0.027 χ^2/NDF : 30.9/24

Right Out: 106.855+/-15.867 χ^2/NDF : 17.3/18

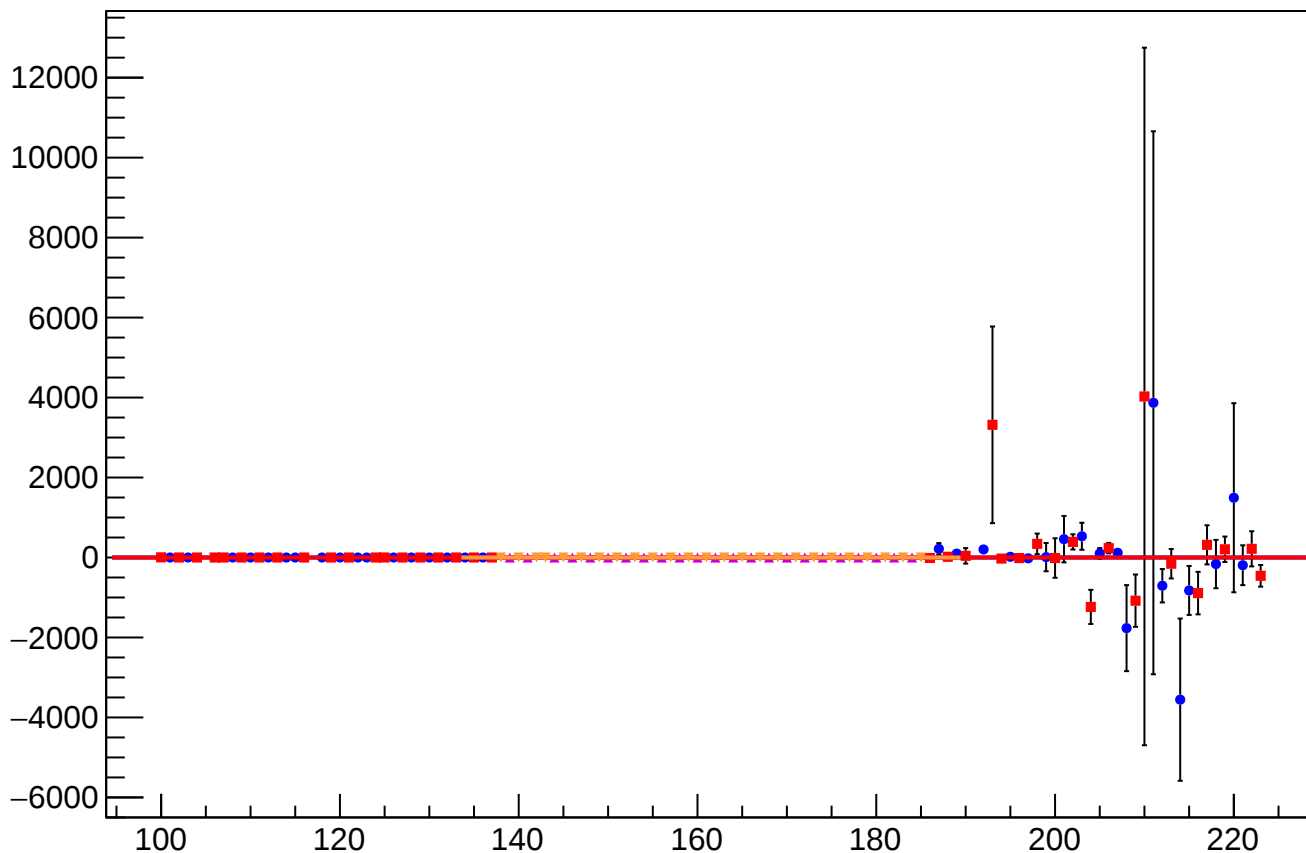
Left In: 0.002+/-0.028 χ^2/NDF : 29.0/22

+ sign 0.017+/-0.027 χ^2/NDF : 57.7/42

All: 0.010+/-0.019 χ^2/NDF : 149.6/84

- sign 0.003+/-0.028 χ^2/NDF : 91.7/41

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 50.4/34

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 48.1/37

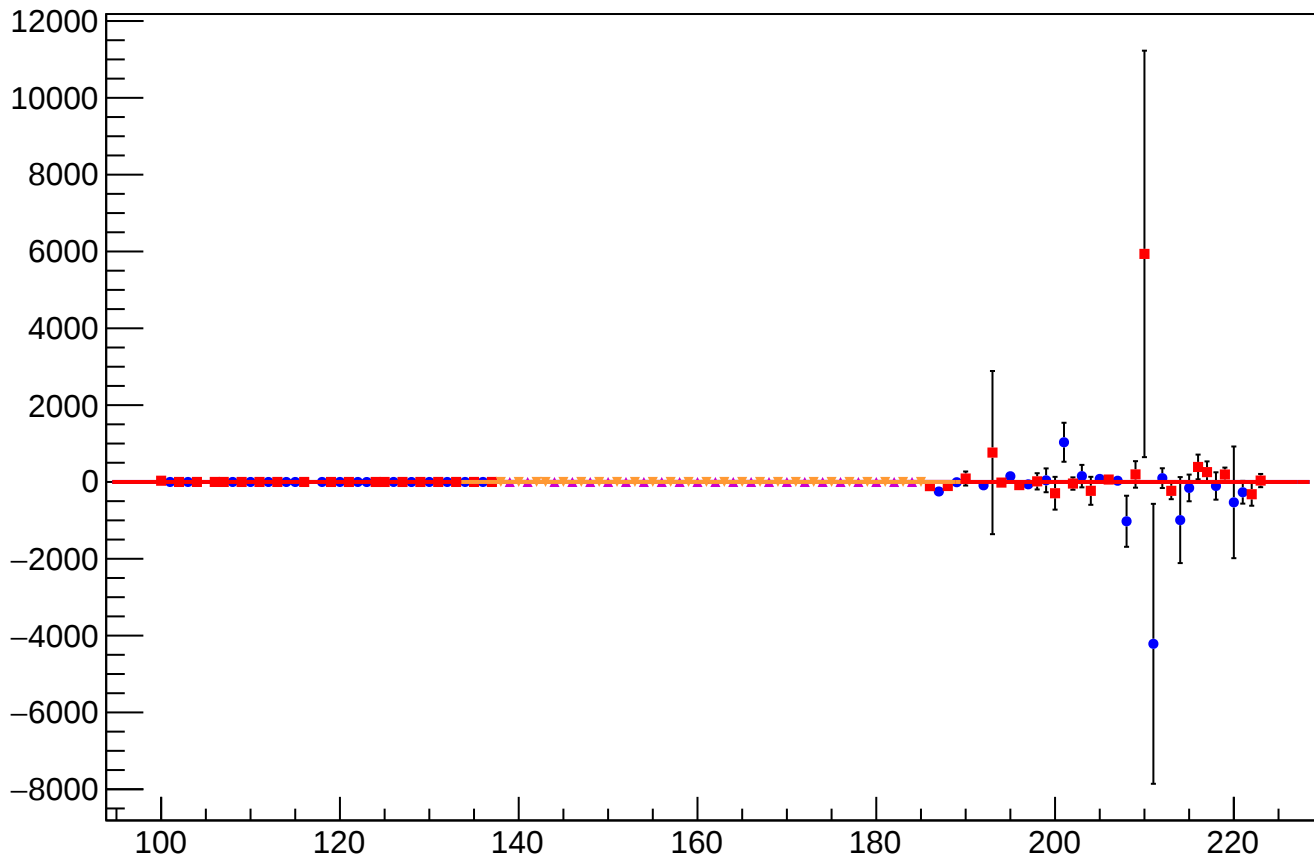
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 75.8/59

All: -0.066 ± 0.013 χ^2/NDF : 175.6/120

- sign -0.083 ± 0.019 χ^2/NDF : 98.3/60

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 52.0/34

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 86.5/37

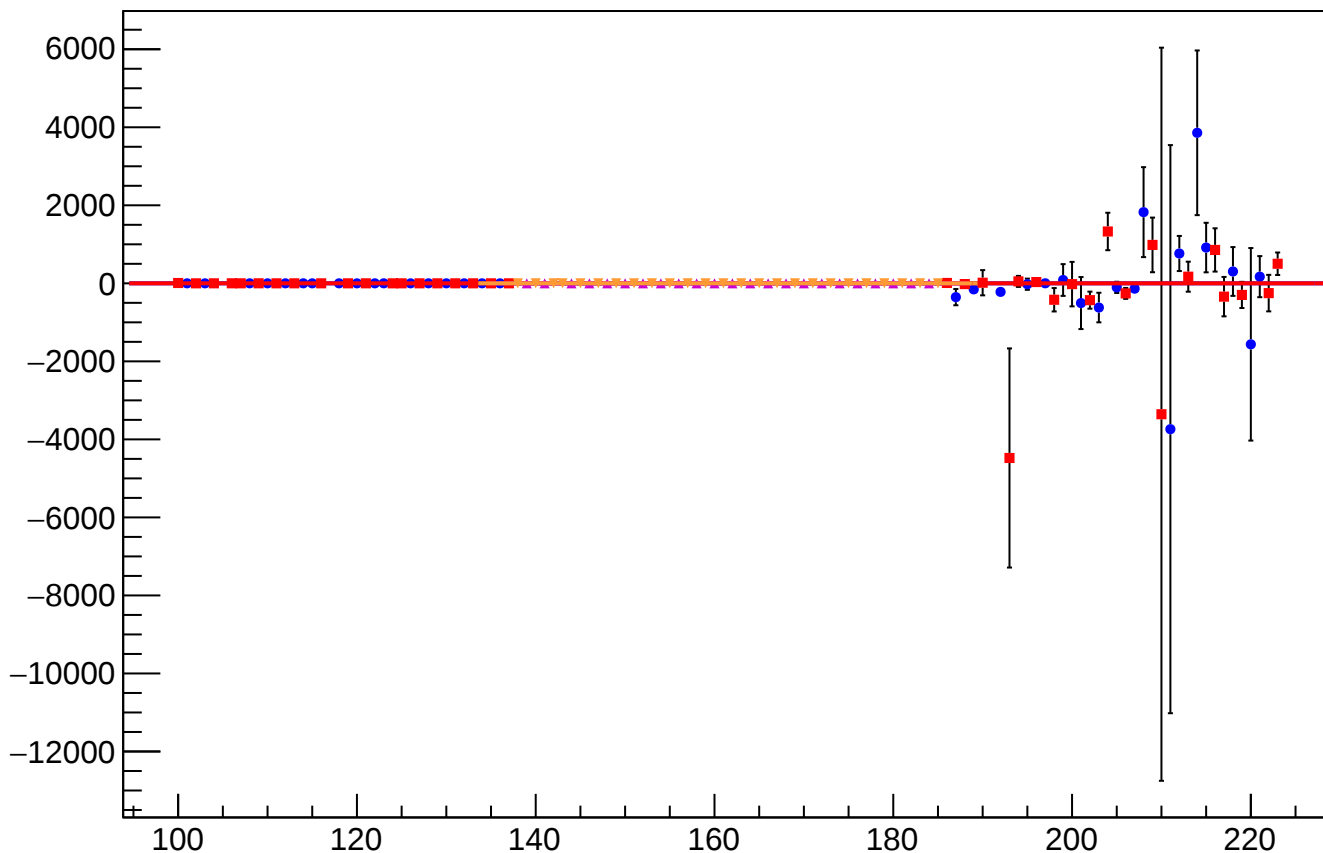
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 83.6/59

All: -0.042 ± 0.018 χ^2/NDF : 201.9/120

- sign -0.050 ± 0.026 χ^2/NDF : 118.1/60

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 ± 0.043 χ^2/NDF : 49.9/34

Left Out: 0.063 ± 0.024 χ^2/NDF : 24.6/24

Right Out: 0.144 ± 0.045 χ^2/NDF : 45.9/37

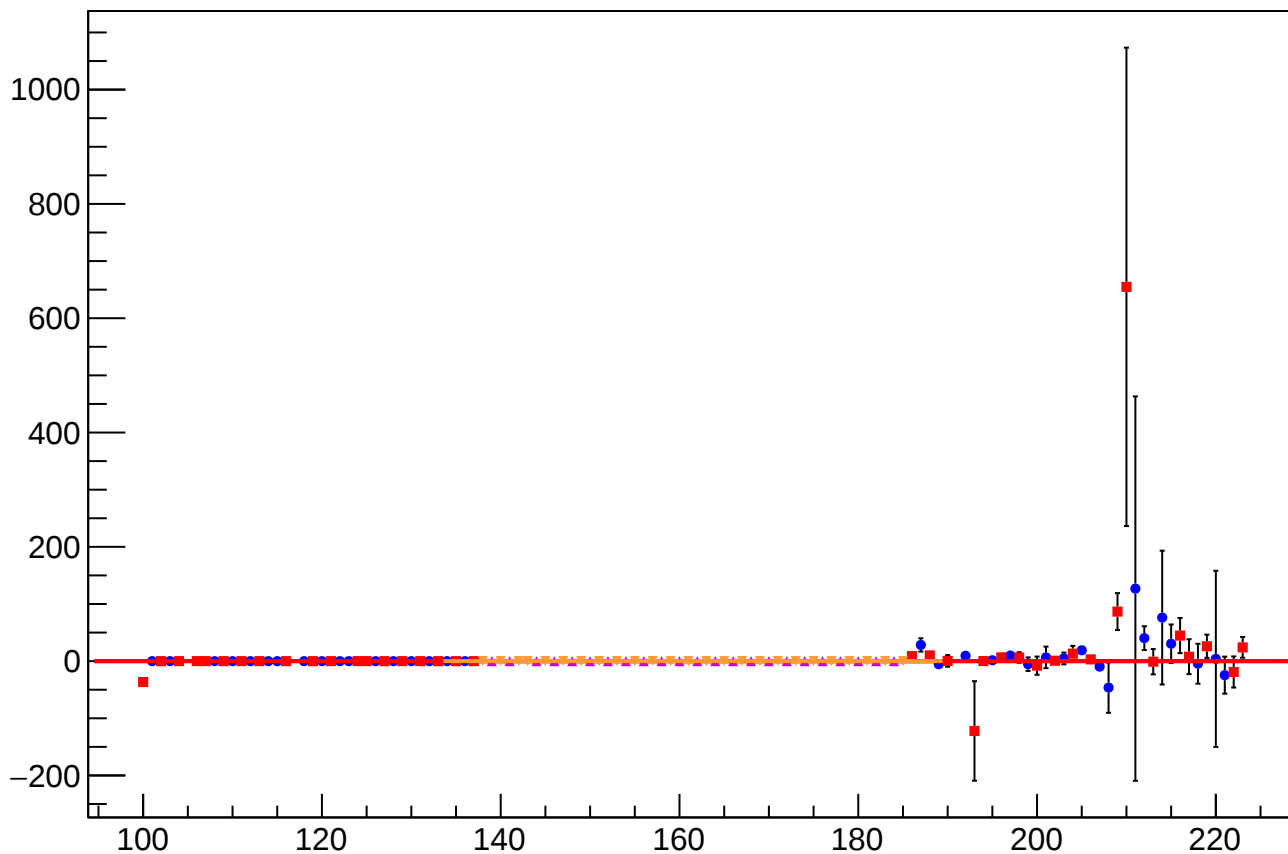
Left In: 0.069 ± 0.025 χ^2/NDF : 51.8/22

+ sign 0.052 ± 0.021 χ^2/NDF : 75.4/59

All: 0.069 ± 0.015 χ^2/NDF : 176.4/120

- sign 0.086 ± 0.022 χ^2/NDF : 99.8/60

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 69.8/34

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF: 26.3/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10490.1/37

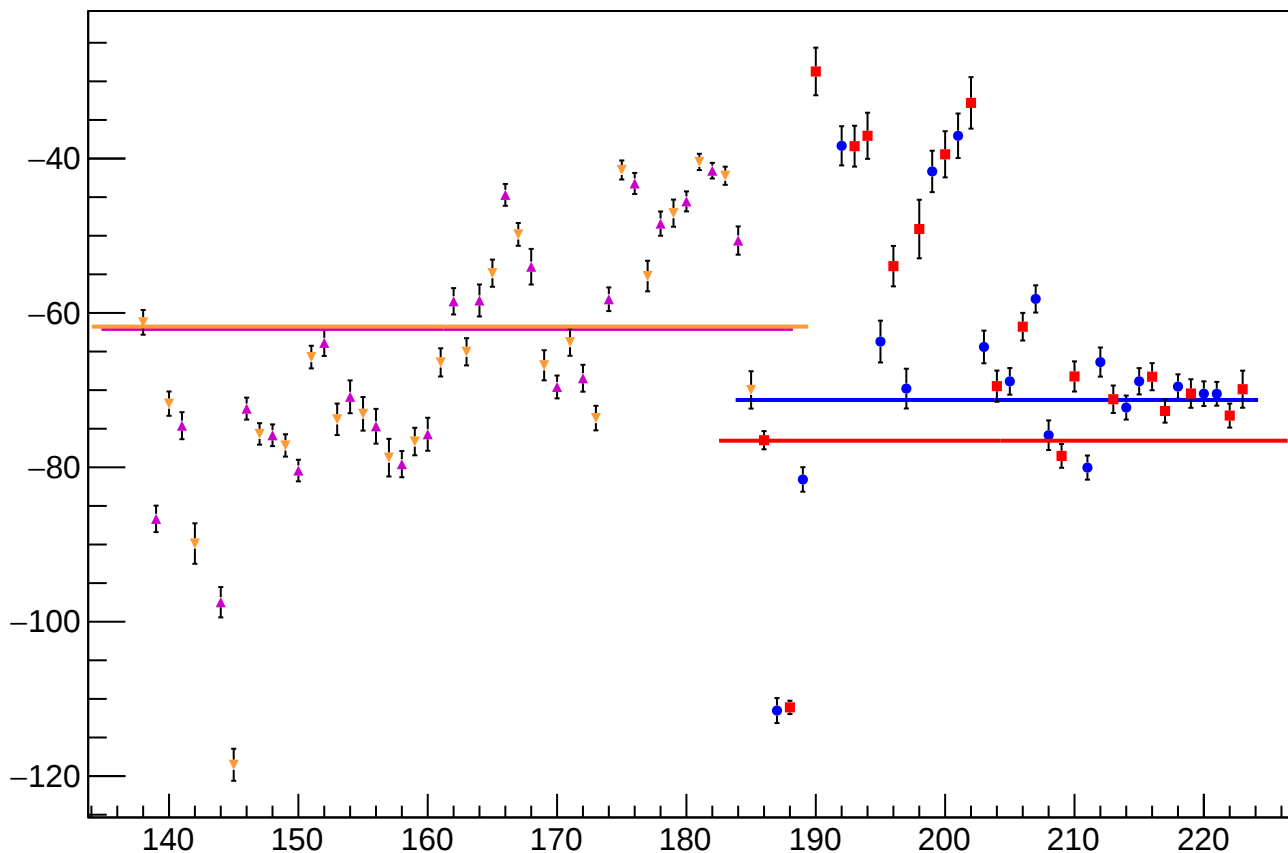
Left In: 0.009 $\pm$ 0.001 χ^2 /NDF: 15.0/22

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 104.1/59

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10619.7/120

- sign 0.007 $\pm$ 0.001 χ^2 /NDF: 10515.4/60

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.273±/0.435 χ^2/NDF : 1215.4/17

Left Out: -61.771±/0.334 χ^2/NDF :2504.9/23

Right Out: -76.551±/0.407 χ^2/NDF : 2835.9/18

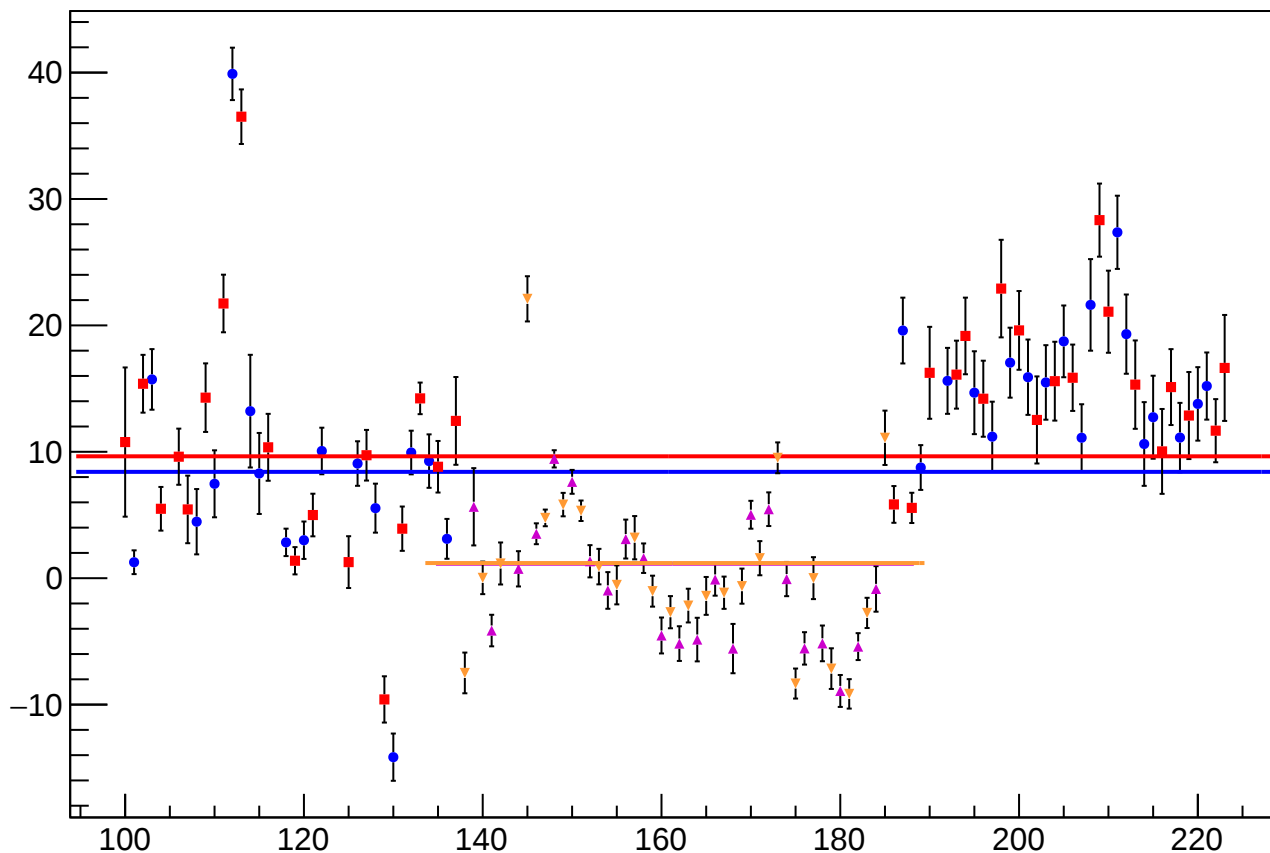
Left In: -62.073±/0.332 χ^2/NDF :2192.0/22

+ sign -65.297±/0.265 χ^2/NDF : 4020.8/41

All: -66.615±/0.185 χ^2/NDF : 9855.9/83

- sign -67.862±/0.257 χ^2/NDF : 5786.8/41

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 8.413 $\pm$ 0.359 χ^2/NDF : 650.5/33

Left Out: 1.198 $\pm$ 0.253 χ^2/NDF : 526.3/23

Right Out: 9.643 $\pm$ 0.359 χ^2/NDF : 555.0/36

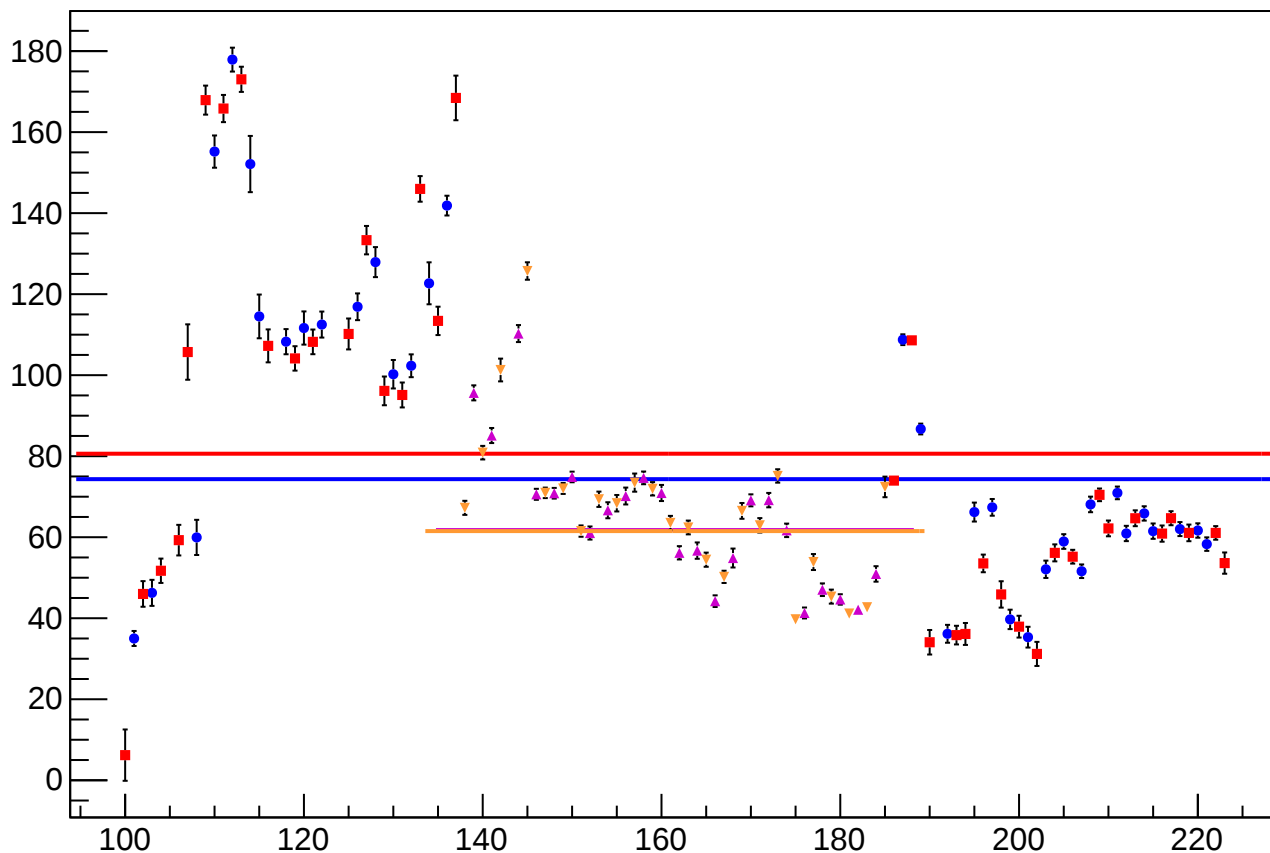
Left In: 1.146 $\pm$ 0.255 χ^2/NDF : 462.9/22

+ sign 3.585 $\pm$ 0.207 χ^2/NDF : 1446.8/57

All: 3.793 $\pm$ 0.147 χ^2/NDF : 2839.3/117

- sign 4.004 $\pm$ 0.208 χ^2/NDF : 1390.4/59

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 74.333 ± 0.377 χ^2/NDF : 6302.5/33

Left Out: 61.512 ± 0.332 χ^2/NDF : 2606.0/23

Right Out: 80.613 ± 0.344 χ^2/NDF : 8227.6/36

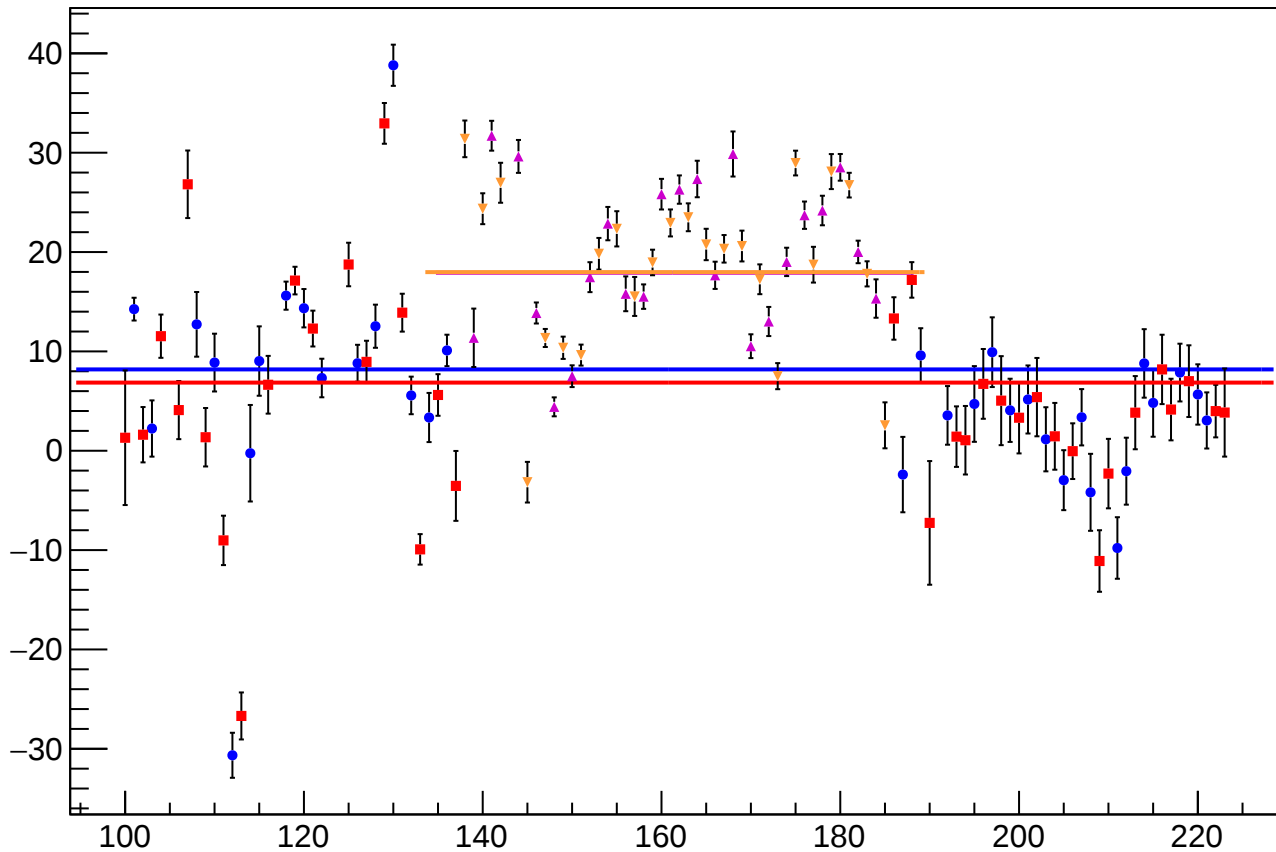
Left In: 61.762 ± 0.330 χ^2/NDF : 2418.2/22

+ sign 67.118 ± 0.249 χ^2/NDF : 9559.3/57

All: 69.040 ± 0.172 χ^2/NDF : 21882.5/117

- sign 70.794 ± 0.238 χ^2/NDF : 12209.6/59

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 8.187 ± 0.416 χ^2/NDF : 692.1/33

Left Out: 17.980 ± 0.291 χ^2/NDF : 674.4/23

Right Out: 6.860 ± 0.423 χ^2/NDF : 795.2/36

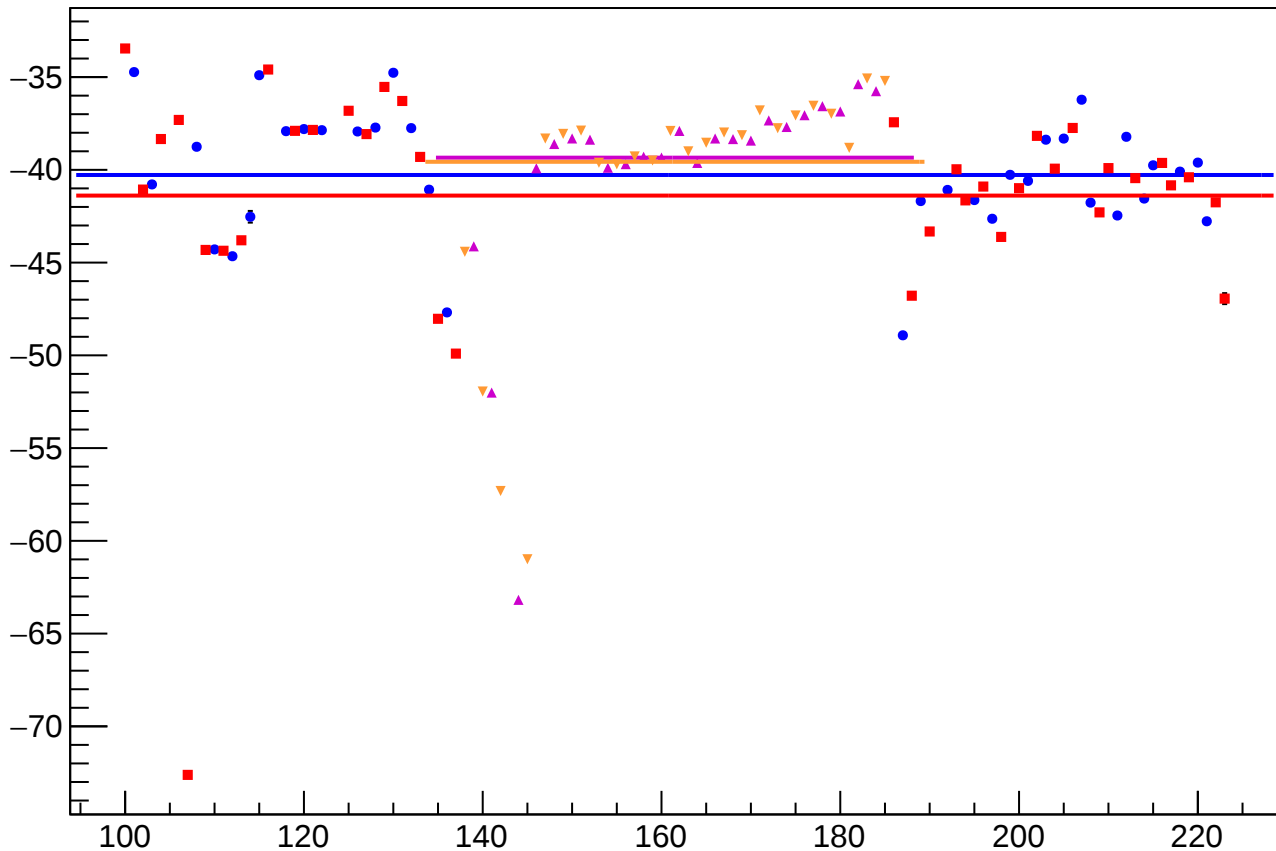
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 14.759 ± 0.238 χ^2/NDF : 1739.2/57

All: 14.551 ± 0.169 χ^2/NDF : 3725.1/117

- sign 14.340 ± 0.240 χ^2/NDF : 1984.3/59

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.277 ± 0.021 χ^2/NDF : 30133.4/33

Left Out: -39.566 ± 0.014 χ^2/NDF : 141198.7/23

Right Out: -41.388 ± 0.021 χ^2/NDF : 69173.8/36

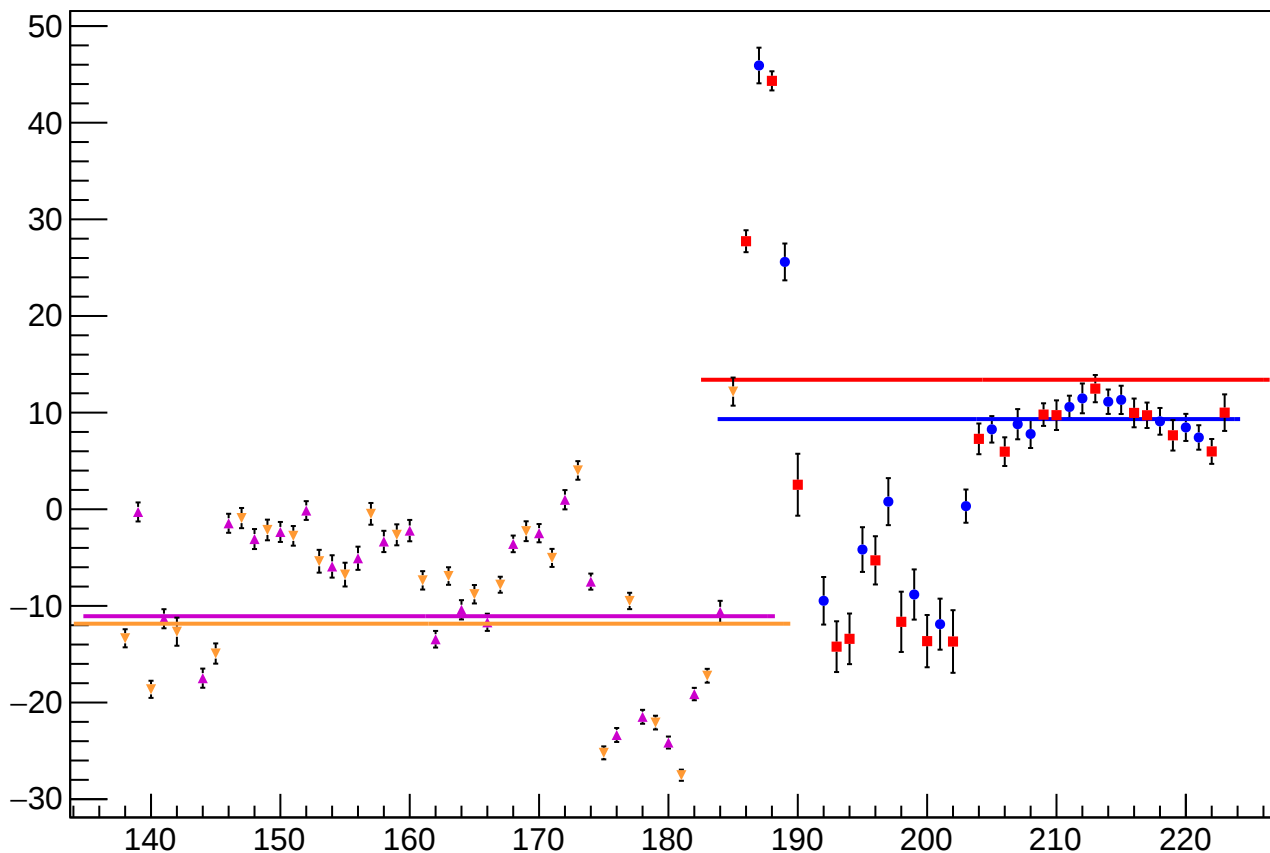
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.782 ± 0.011 χ^2/NDF : 172146.6/57

All: -39.870 ± 0.008 χ^2/NDF : 364816.0/117

- sign -39.956 ± 0.011 χ^2/NDF : 192553.9/59

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 9.330 ± 0.377 $\chi^2/\text{NDF}: 723.2/17$

Left Out: -11.842 ± 0.187 $\chi^2/\text{NDF}: 2739.8/23$

Right Out: 13.401 ± 0.365 $\chi^2/\text{NDF}: 1771.3/18$

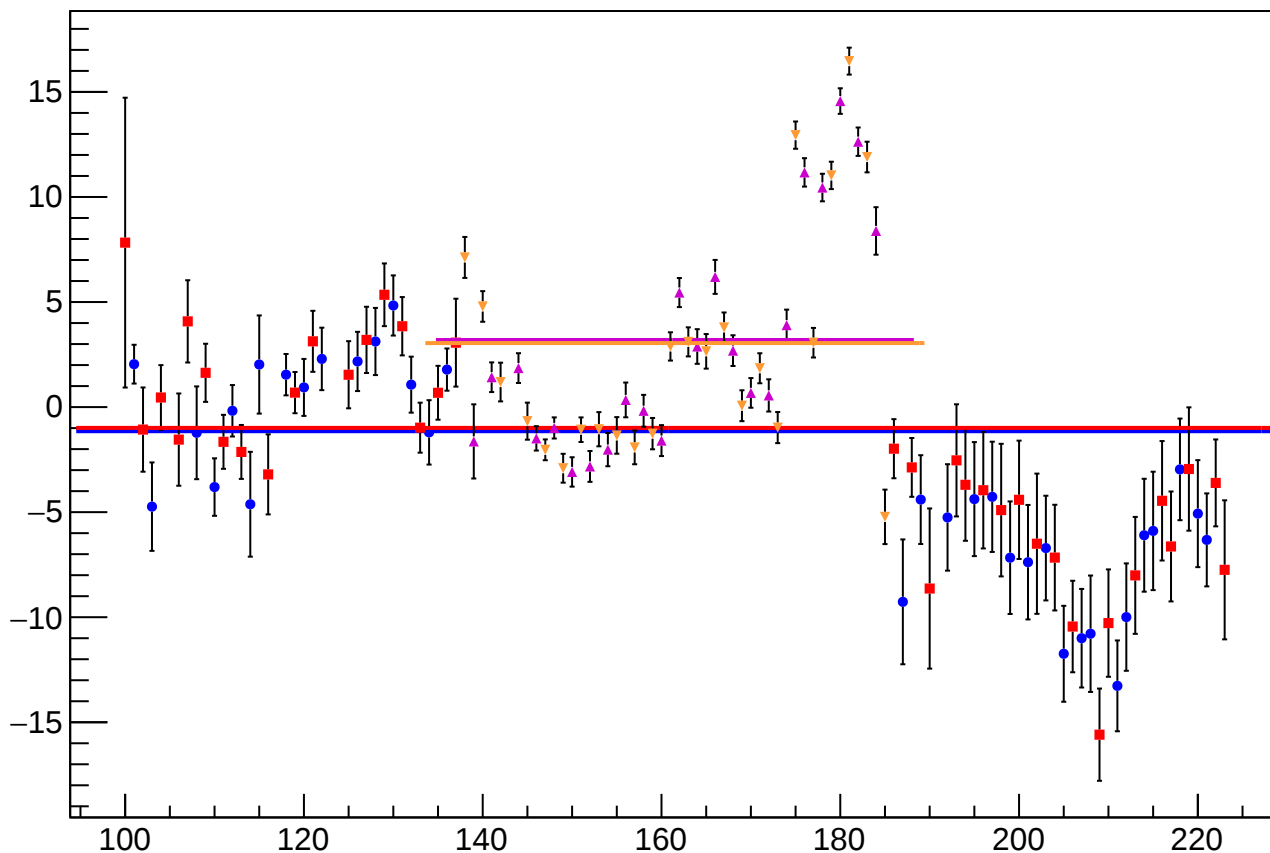
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ sign -7.665 ± 0.167 $\chi^2/\text{NDF}: 5997.5/41$

All: -6.801 ± 0.118 $\chi^2/\text{NDF}: 13477.2/83$

- sign -5.940 ± 0.167 $\chi^2/\text{NDF}: 7426.5/41$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.148 ± 0.296 $\chi^2/\text{NDF}: 219.6/33$

Left Out: 3.047 ± 0.148 $\chi^2/\text{NDF}: 1457.2/23$

Right Out: -0.990 ± 0.297 $\chi^2/\text{NDF}: 187.1/36$

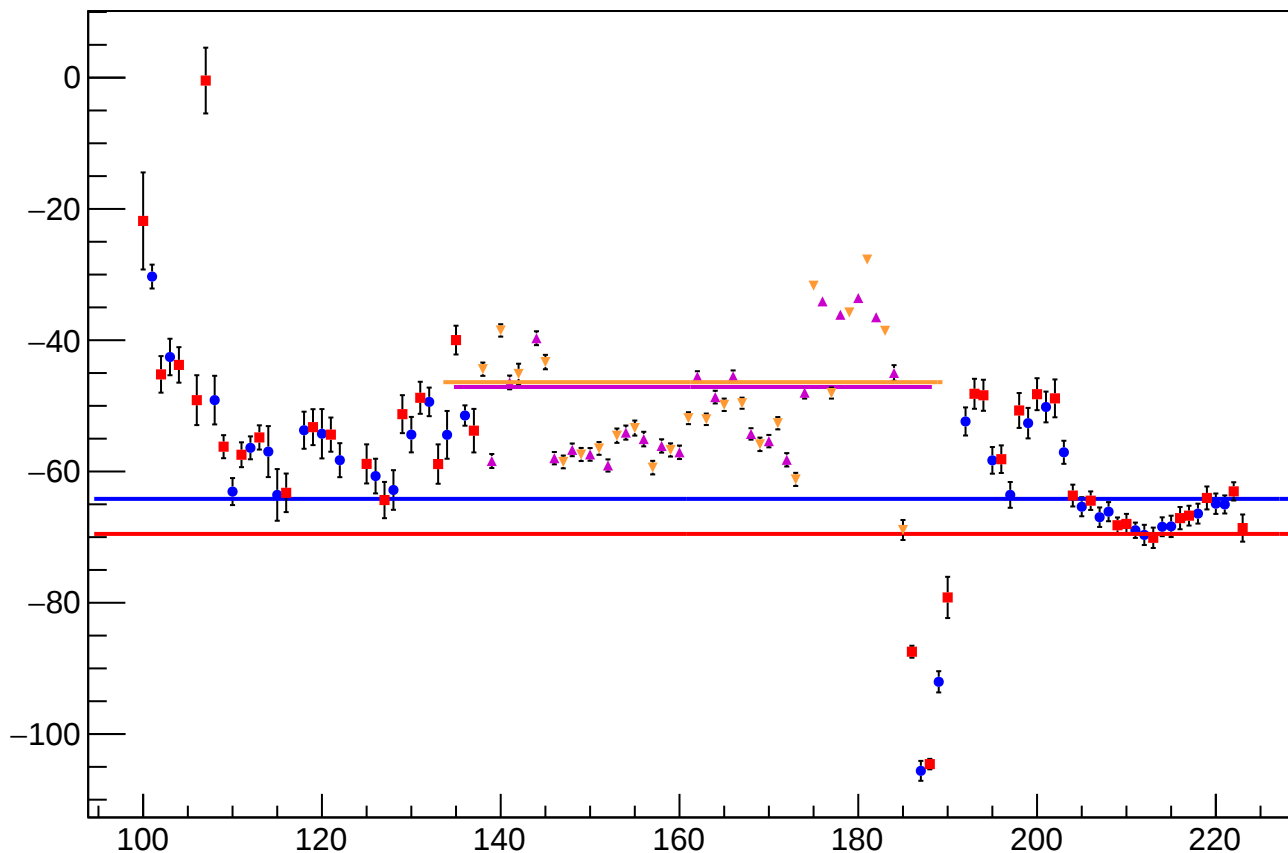
Left In: 3.194 ± 0.150 $\chi^2/\text{NDF}: 1295.0/22$

+ sign 2.209 ± 0.132 $\chi^2/\text{NDF}: 1837.6/57$

All: 2.275 ± 0.094 $\chi^2/\text{NDF}: 3478.8/117$

- sign 2.342 ± 0.134 $\chi^2/\text{NDF}: 1640.7/59$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -64.172 ± 0.322 χ^2/NDF : 1822.1/33

Left Out: -46.392 ± 0.187 χ^2/NDF : 3286.7/23

Right Out: -69.511 ± 0.304 χ^2/NDF : 3775.8/36

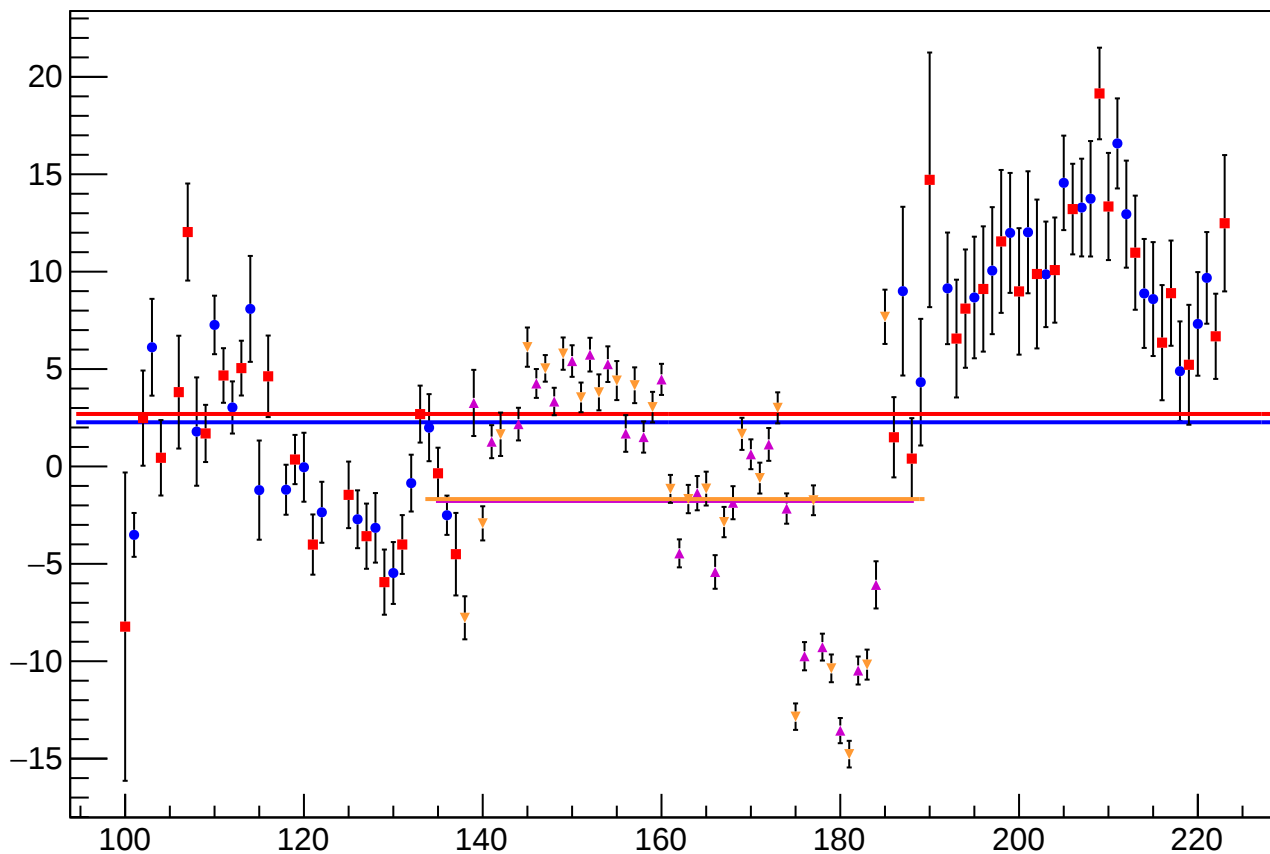
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -50.865 ± 0.161 χ^2/NDF : 7393.5/57

All: -52.087 ± 0.113 χ^2/NDF : 17728.3/117

- sign -53.279 ± 0.159 χ^2/NDF : 10221.5/59

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 2.268 ± 0.334 χ^2/NDF : 319.9/33

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 2.694 ± 0.339 χ^2/NDF : 274.4/36

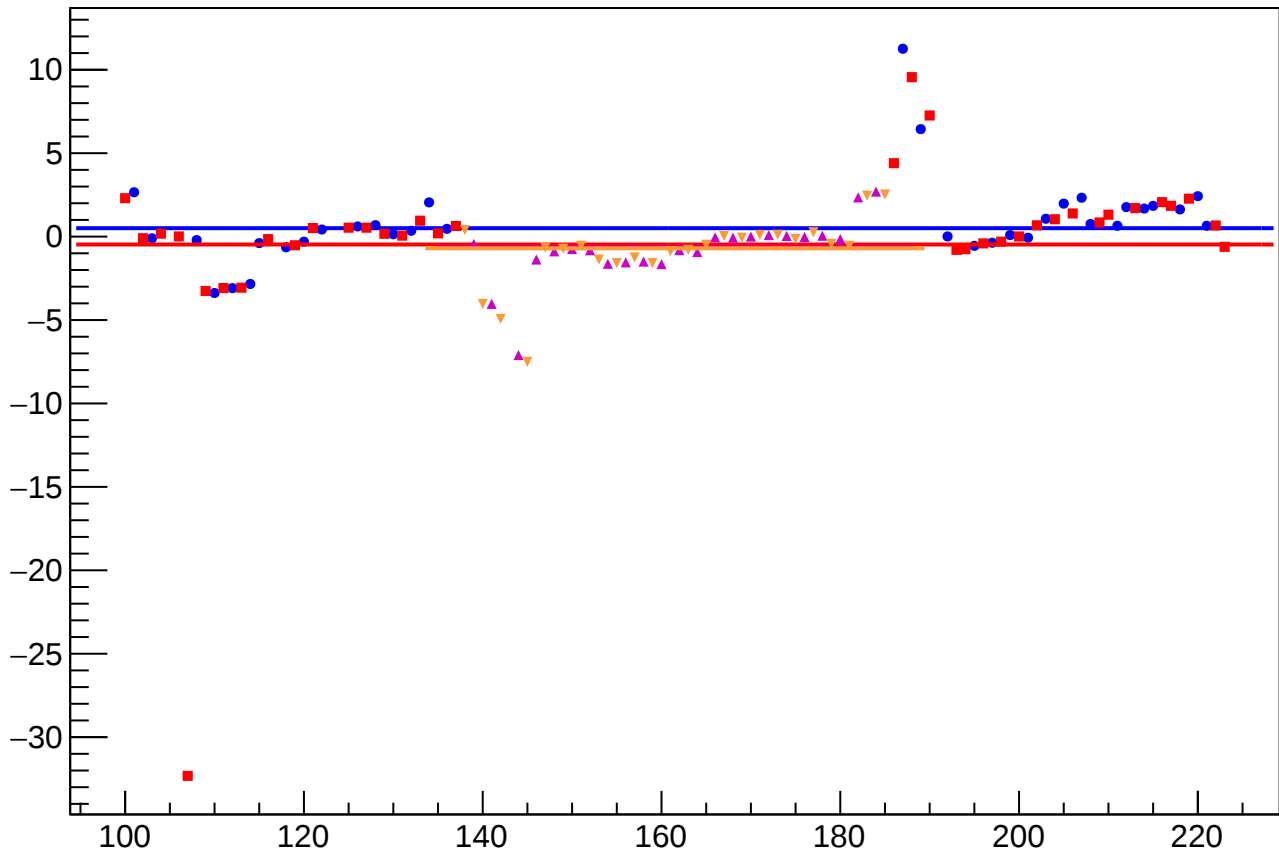
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -0.887 ± 0.149 χ^2/NDF : 1915.0/57

All: -0.886 ± 0.106 χ^2/NDF : 3579.4/117

- sign -0.884 ± 0.151 χ^2/NDF : 1664.4/59

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.506 ± 0.017 χ^2/NDF : 10431.4/33

Left Out: -0.702 ± 0.008 χ^2/NDF : 53834.9/23

Right Out: -0.473 ± 0.017 χ^2/NDF : 94802.7/36

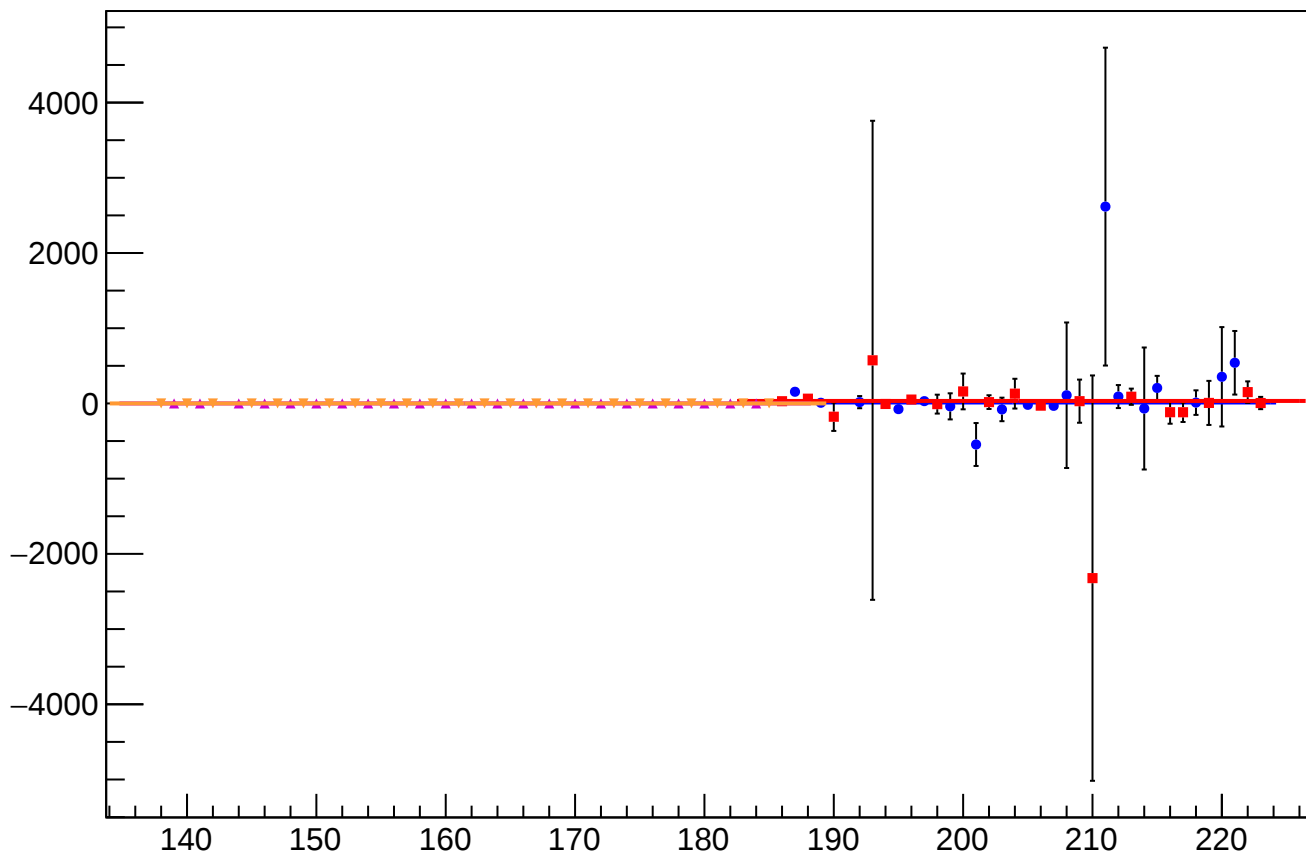
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.497 ± 0.007 χ^2/NDF : 68502.7/57

All: -0.556 ± 0.005 χ^2/NDF : 207702.0/117

- sign -0.615 ± 0.007 χ^2/NDF : 139055.3/59

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 12.496 $\pm$ 14.994 χ^2 /NDF: 24.5/17

Left Out: -0.037 $\pm$ 0.018 χ^2 /NDF: 35.4/23

Right Out: 33.092 $\pm$ 9.495 χ^2 /NDF: 10.7/18

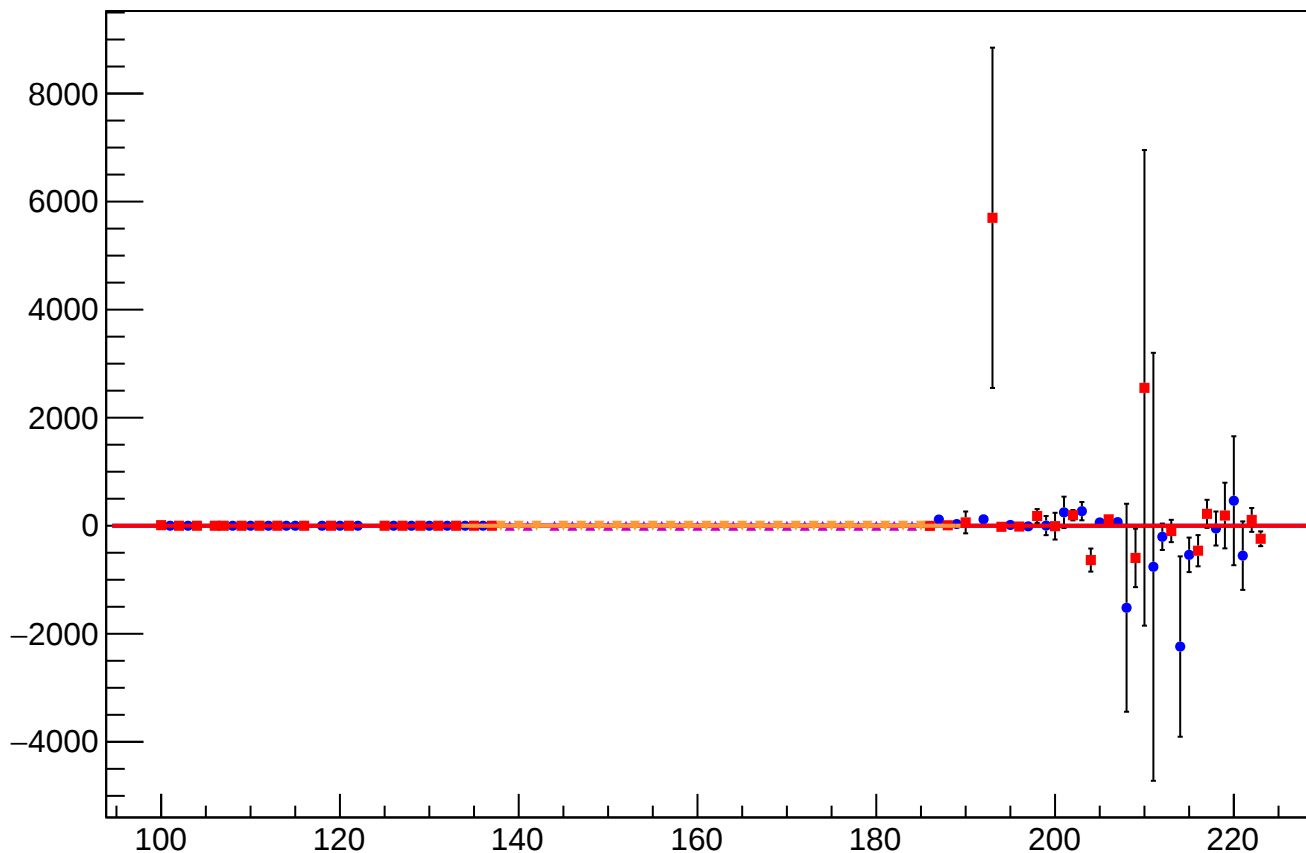
Left In: -0.010 $\pm$ 0.018 χ^2 /NDF: 35.1/22

+ sign -0.037 $\pm$ 0.018 χ^2 /NDF: 60.6/41

All: -0.024 $\pm$ 0.013 χ^2 /NDF: 119.8/83

- sign -0.010 $\pm$ 0.018 χ^2 /NDF: 58.0/41

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 30.4/33

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 43.3/36

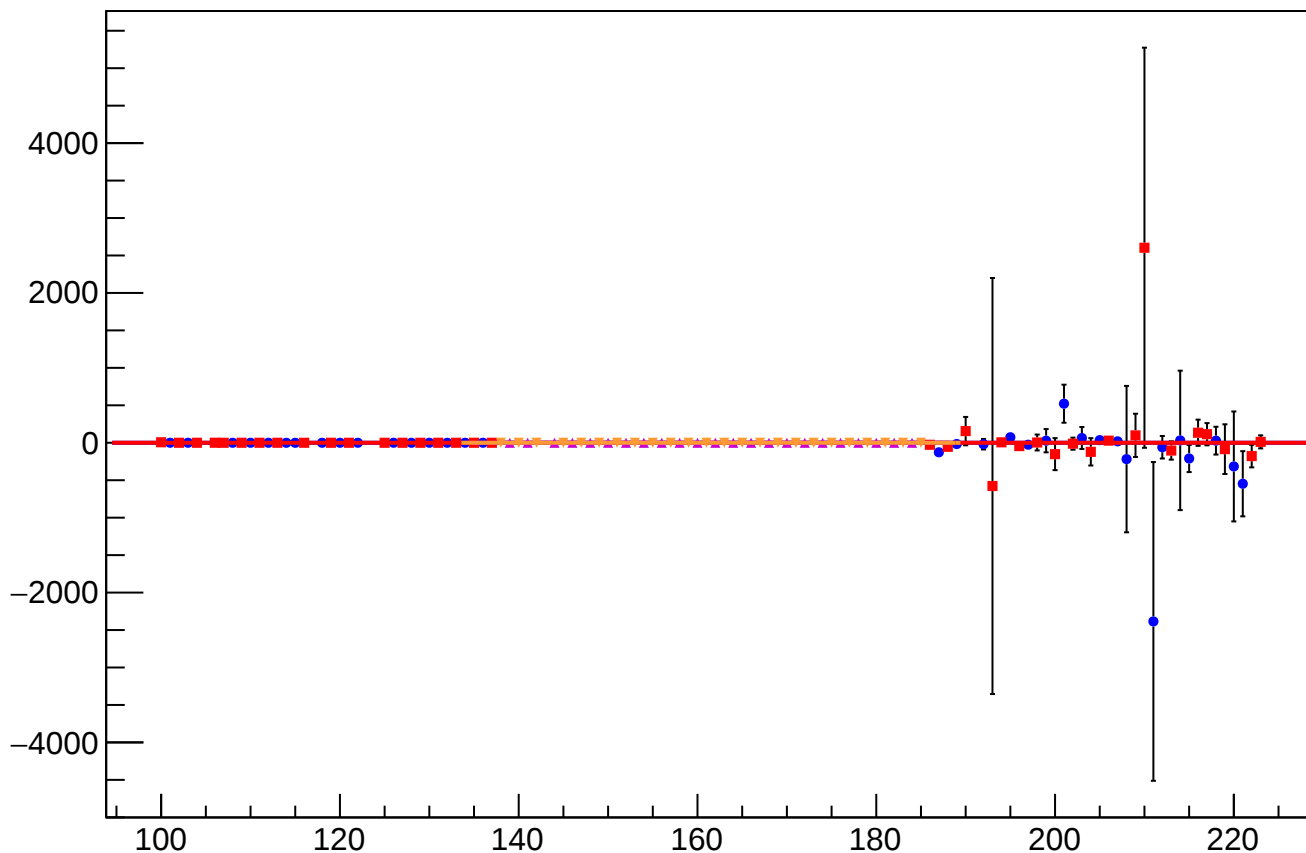
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 62.9/57

All: -0.063 ± 0.009 χ^2/NDF : 148.5/117

- sign -0.070 ± 0.012 χ^2/NDF : 85.0/59

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 ± 0.043 χ^2/NDF : 34.7/33

Left Out: 0.035 ± 0.018 χ^2/NDF : 32.2/23

Right Out: 0.031 ± 0.045 χ^2/NDF : 35.1/36

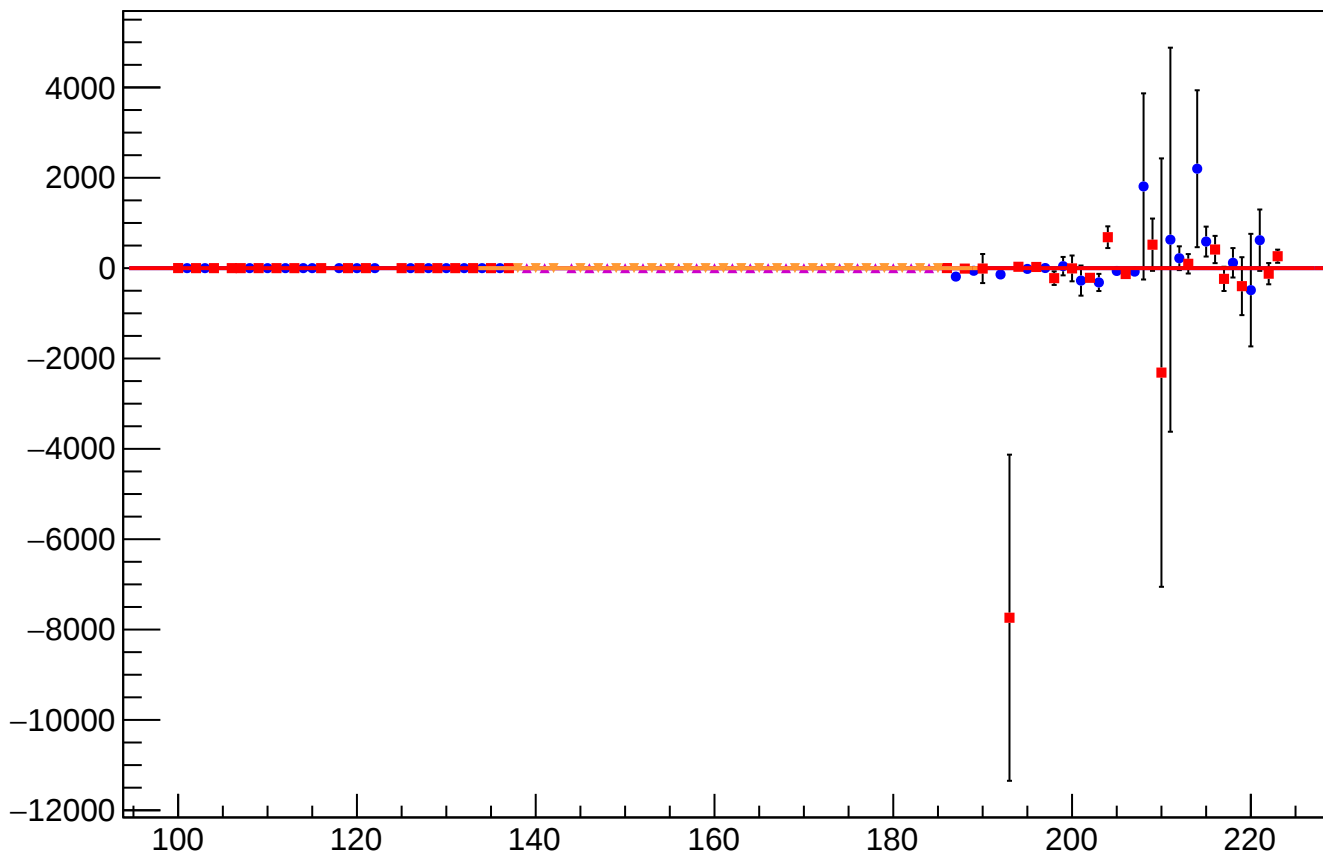
Left In: -0.009 ± 0.018 χ^2/NDF : 36.8/22

+ sign 0.032 ± 0.017 χ^2/NDF : 67.1/57

All: 0.015 ± 0.012 χ^2/NDF : 142.0/117

- sign -0.003 ± 0.017 χ^2/NDF : 72.6/59

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 32.1/33

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF: 27.7/23

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 38.6/36

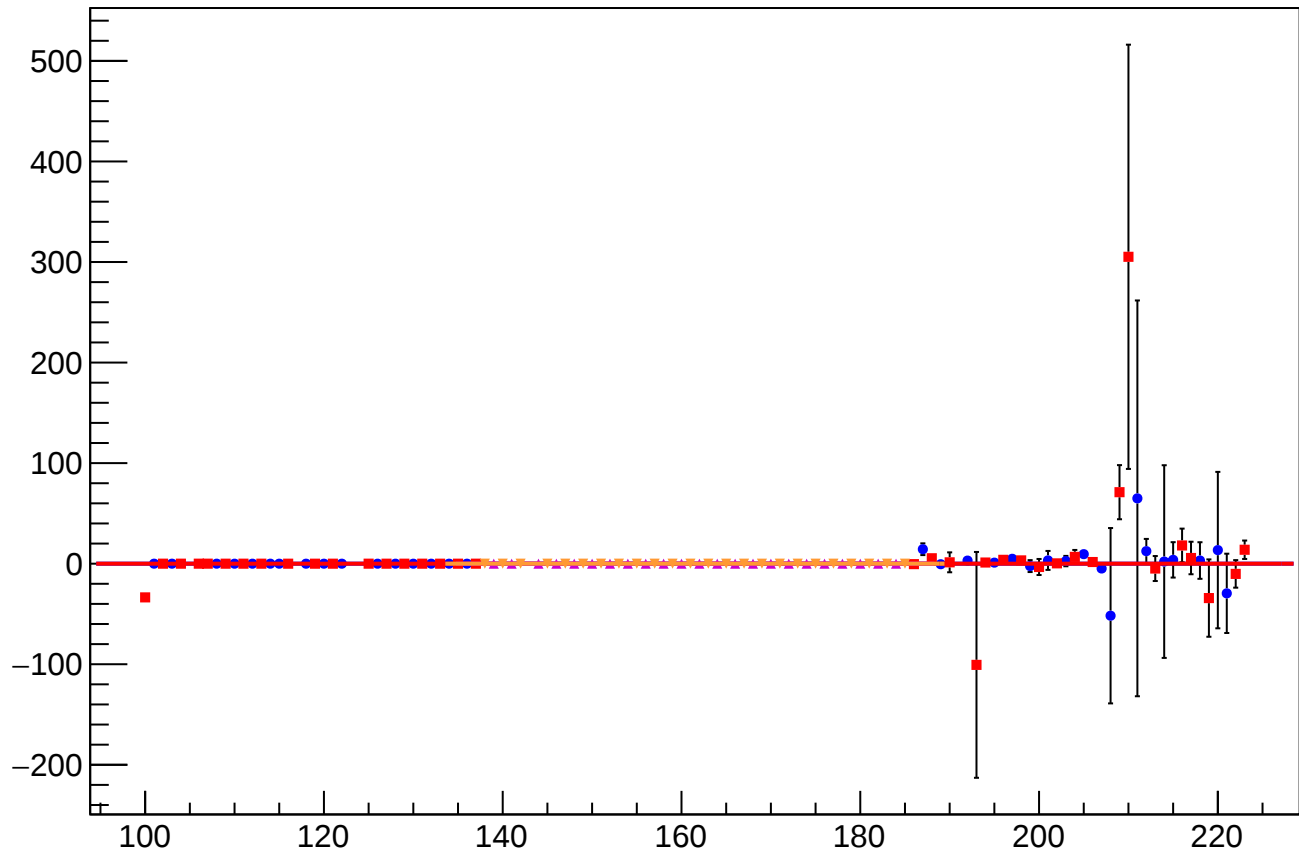
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF: 44.8/22

+ sign 0.066 $\pm$ 0.014 χ^2 /NDF: 65.9/57

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 150.8/117

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 84.5/59

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 48.4/33

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26535.7/36

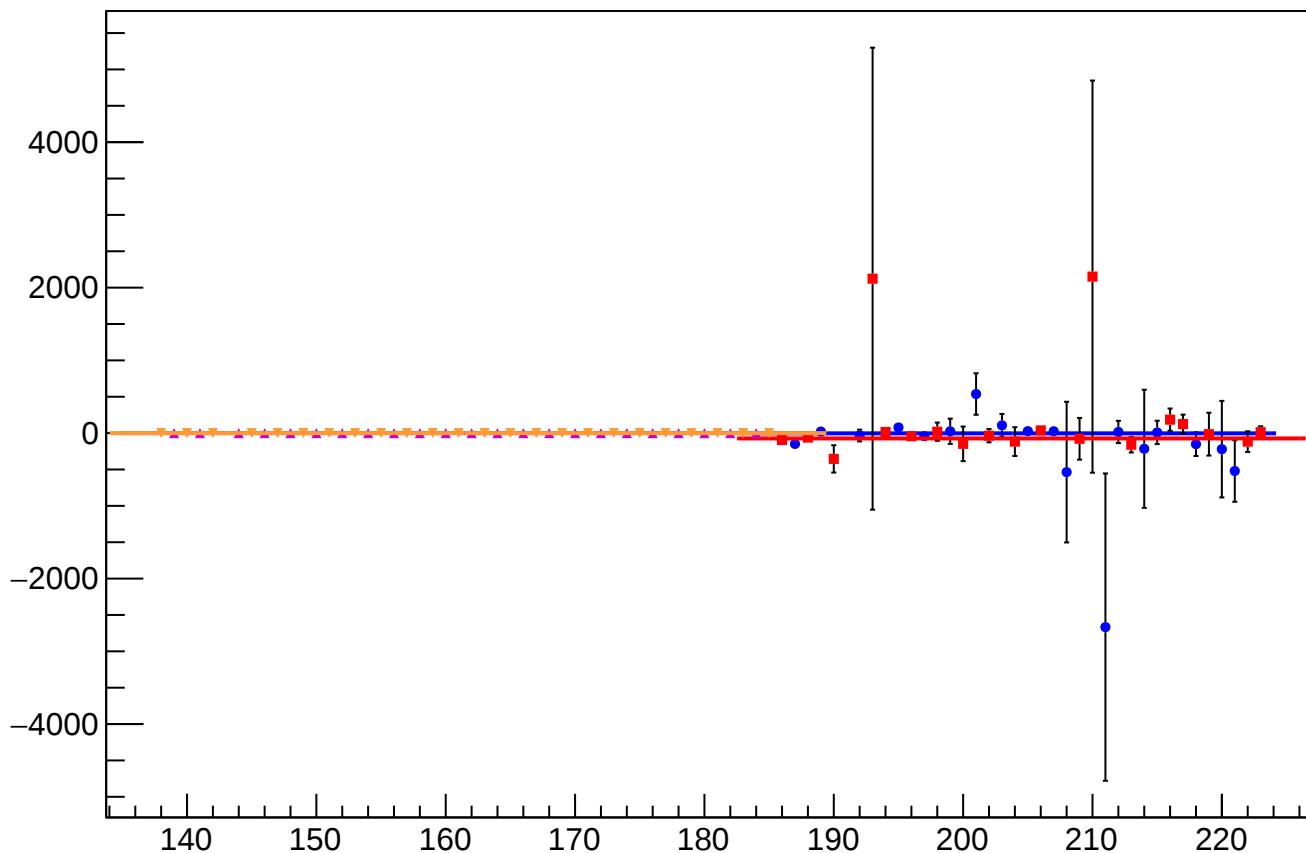
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 84.9/57

All: -0.001 ± 0.000 χ^2/NDF : 26656.9/117

- sign -0.001 ± 0.001 χ^2/NDF : 26571.9/59

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -3.194 ± 14.989 χ^2/NDF : 24.3/17

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -73.015 ± 9.497 χ^2/NDF : 23.1/18

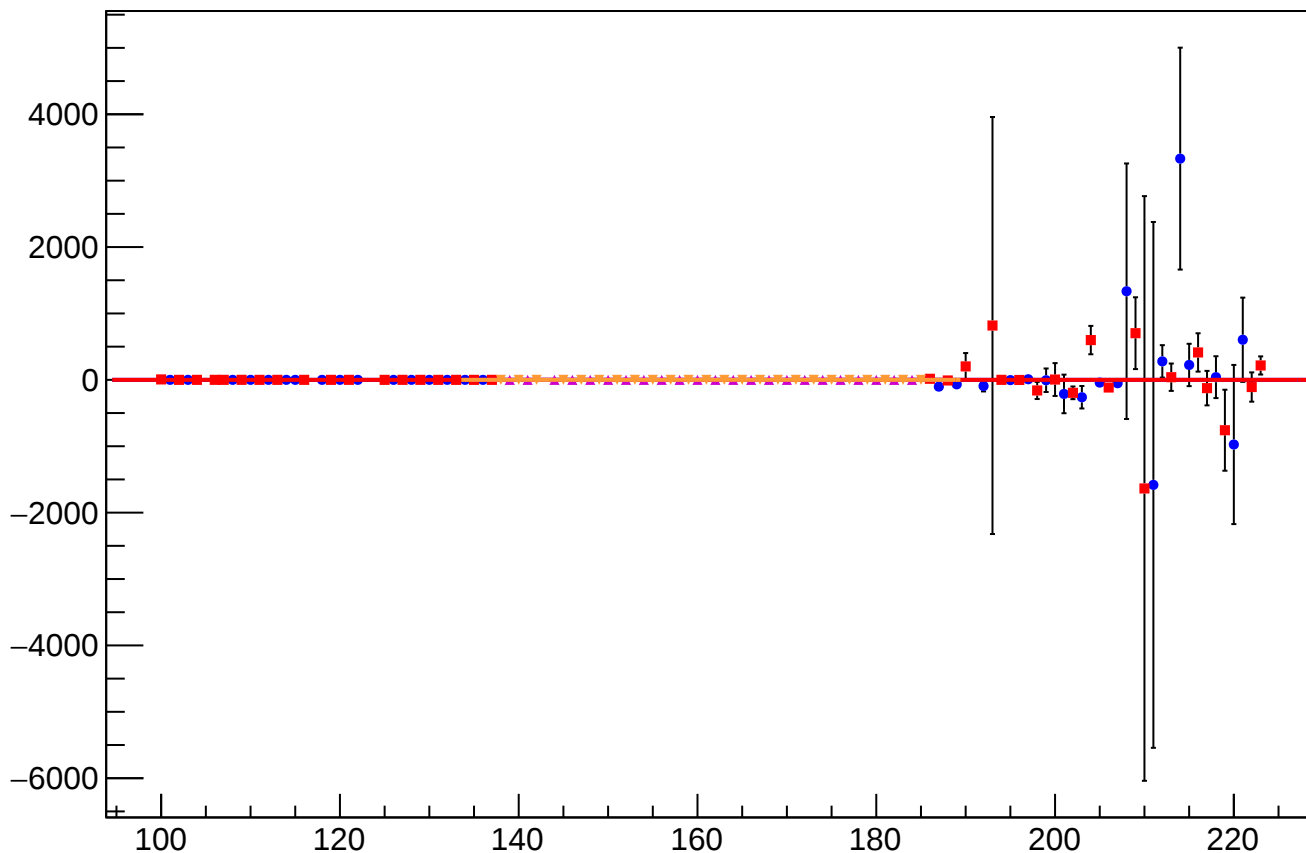
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 61.7/41

All: -0.031 ± 0.013 χ^2/NDF : 181.8/83

- sign -0.009 ± 0.018 χ^2/NDF : 117.3/41

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.007 ± 0.023 χ^2/NDF : 45.3/33

Left Out: -0.011 ± 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 ± 0.025 χ^2/NDF : 56.2/36

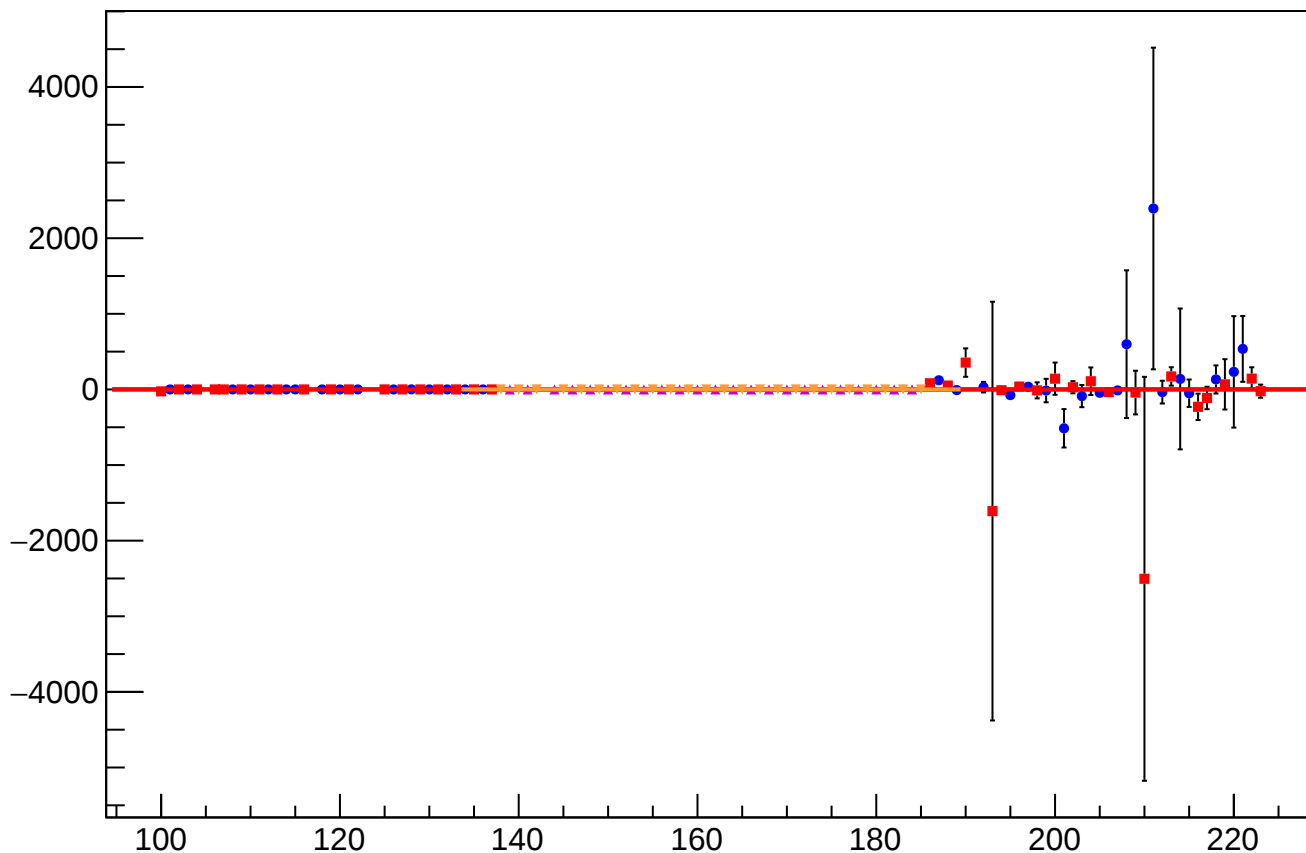
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 ± 0.012 χ^2/NDF : 75.3/57

All: 0.003 ± 0.009 χ^2/NDF : 183.4/117

- sign 0.013 ± 0.012 χ^2/NDF : 106.9/59

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 54.1/33

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF:35.4/23

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 114.8/36

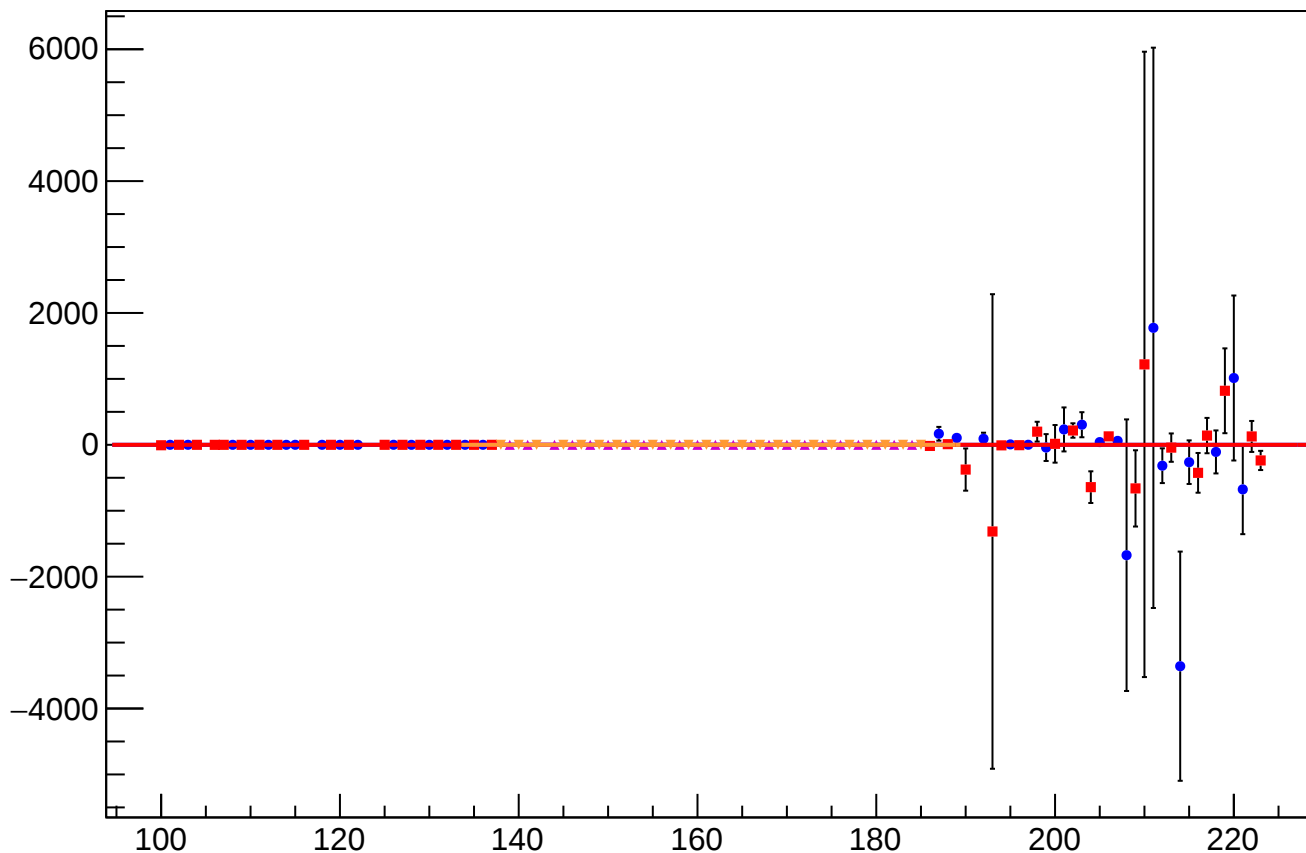
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF:35.8/22

+ sign 0.064 $\pm$ 0.017 χ^2 /NDF: 95.0/57

All: 0.054 $\pm$ 0.012 χ^2 /NDF: 259.7/117

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 164.0/59

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 45.2/33

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 52.9/36

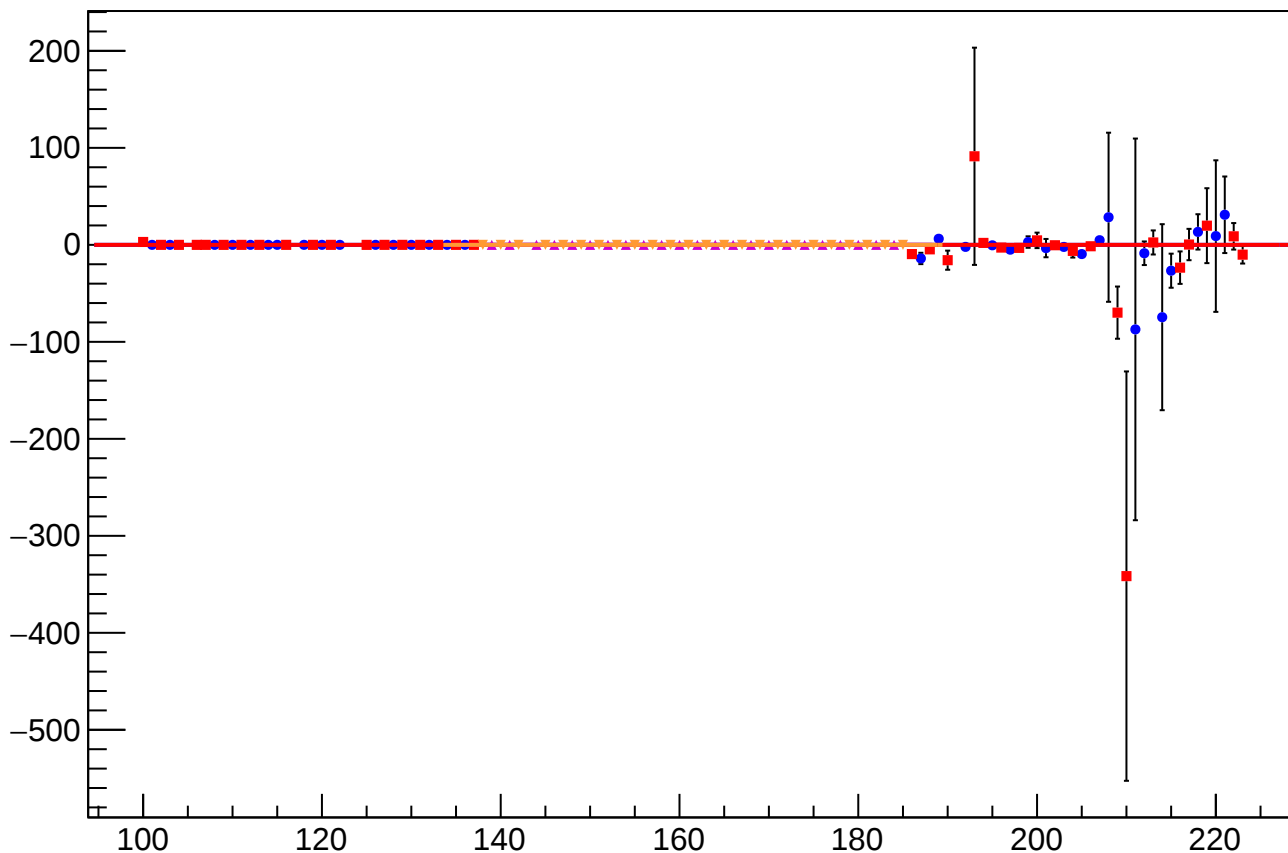
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 79.5/57

All: 0.004 ± 0.010 χ^2/NDF : 186.1/117

- sign -0.007 ± 0.014 χ^2/NDF : 105.5/59

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 62.5/33

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:32.0/23

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 228.1/36

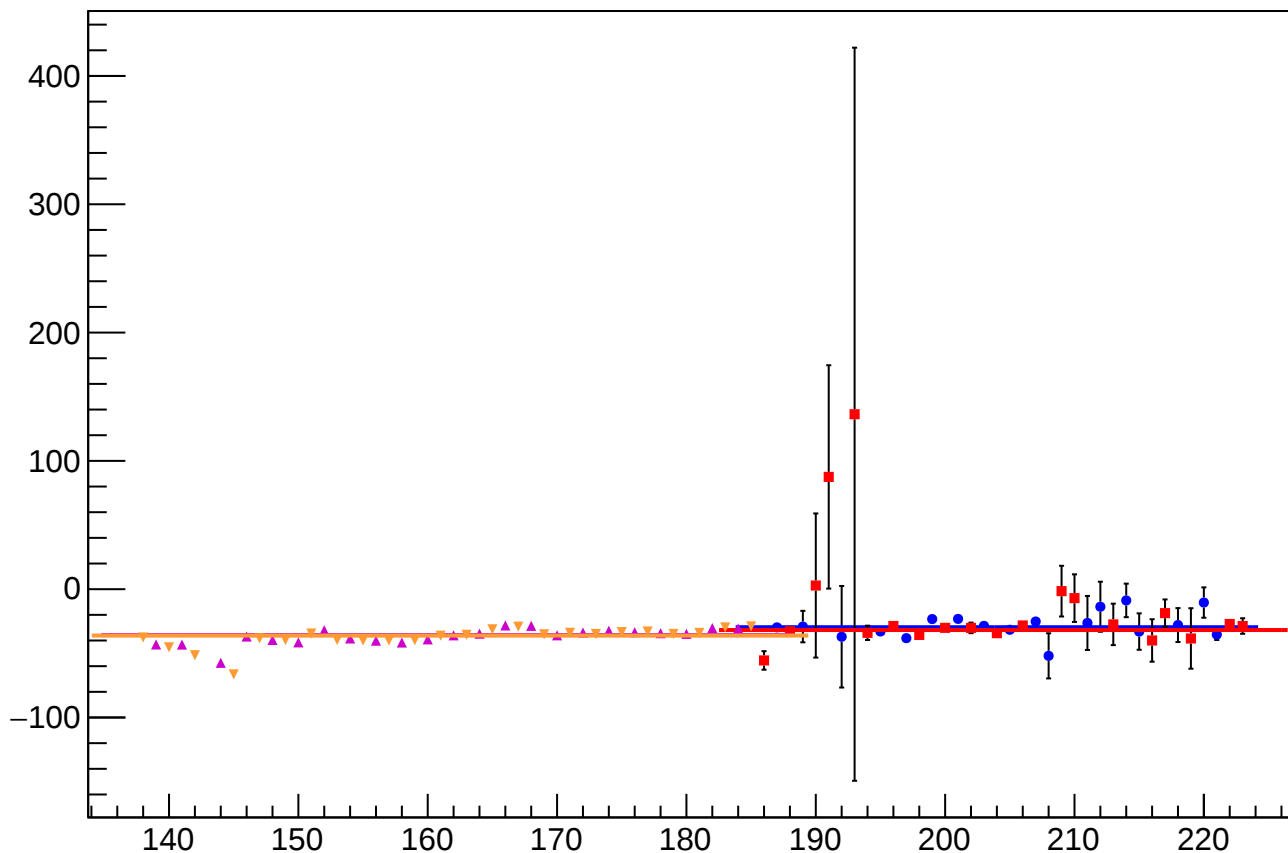
Left In: -0.009 $\pm$ 0.001 χ^2 /NDF:37.2/22

+ sign -0.008 $\pm$ 0.001 χ^2 /NDF: 96.2/57

All: -0.008 $\pm$ 0.000 χ^2 /NDF: 364.6/117

- sign -0.008 $\pm$ 0.001 χ^2 /NDF: 268.3/59

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.641 ± 0.833 χ^2/NDF : 33.5/17

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -31.829 ± 0.779 χ^2/NDF : 28.9/19

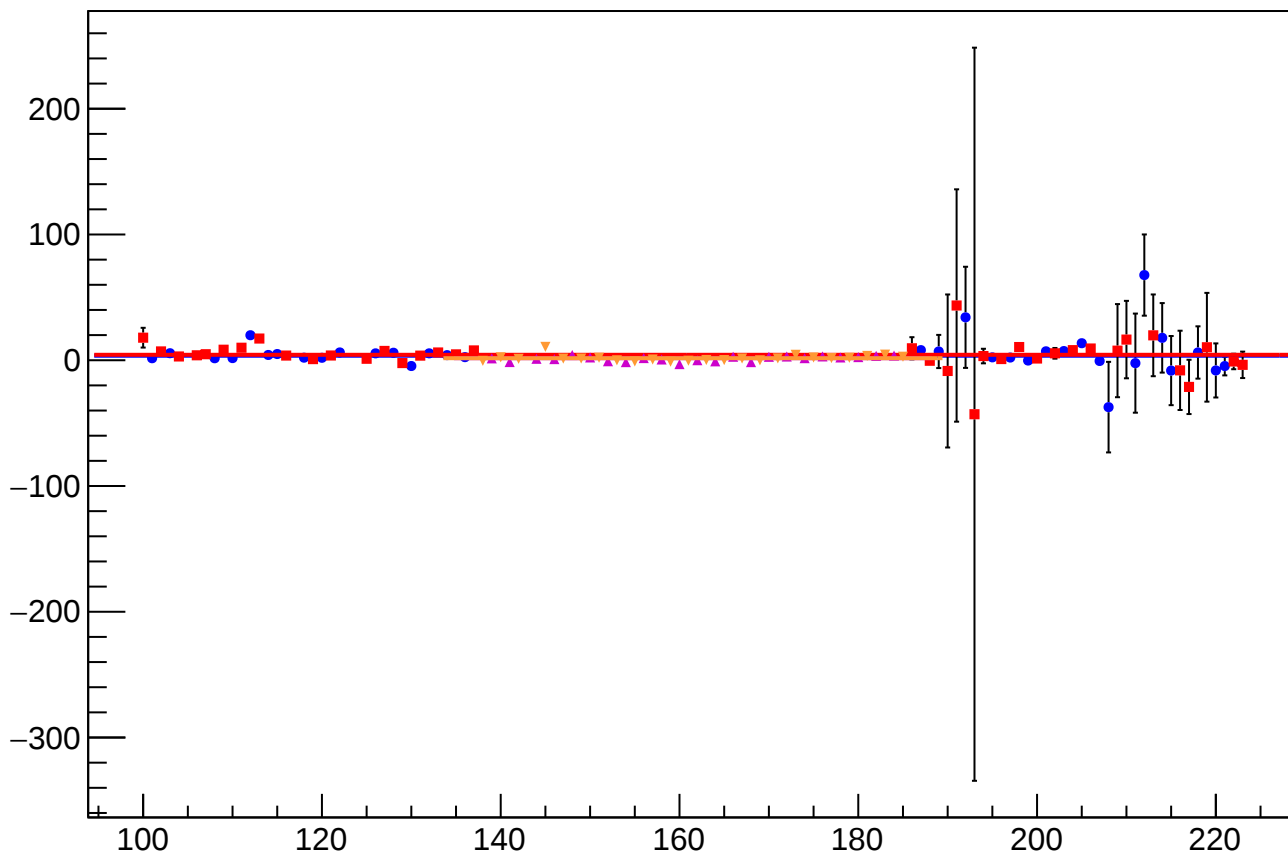
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.794 ± 0.187 χ^2/NDF : 1205.9/41

All: -35.673 ± 0.132 χ^2/NDF : 2114.0/84

- sign -35.554 ± 0.186 χ^2/NDF : 907.3/42

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.595 ± 0.217 χ^2/NDF : 464.1/33

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.337 ± 0.220 χ^2/NDF : 372.3/37

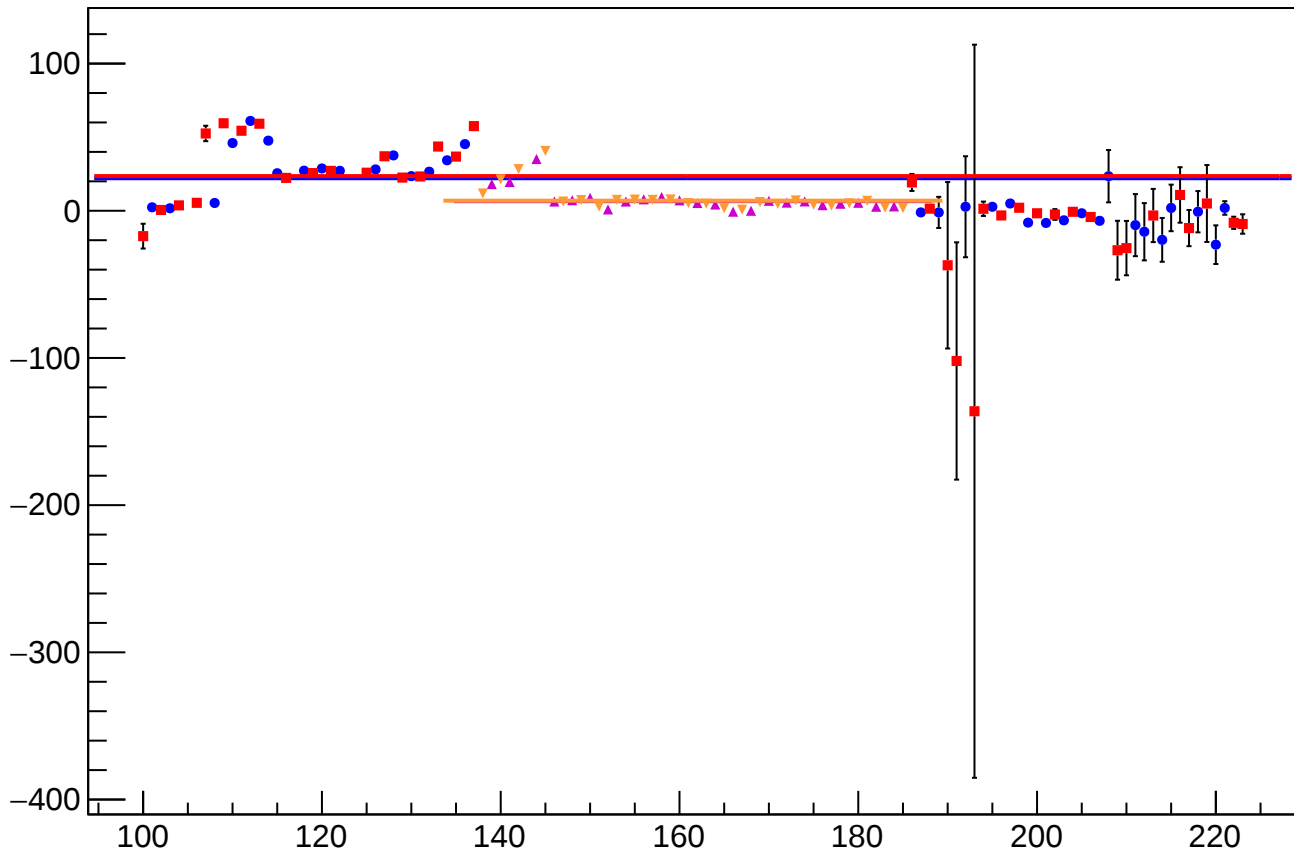
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.257 ± 0.122 χ^2/NDF : 686.5/57

All: 2.372 ± 0.087 χ^2/NDF : 1326.3/118

- sign 2.491 ± 0.124 χ^2/NDF : 637.9/60

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 22.106 $\pm$ 0.368 χ^2 /NDF: 2855.5/33

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF: 1295.7/23

Right Out: 23.556 $\pm$ 0.359 χ^2 /NDF: 3392.9/37

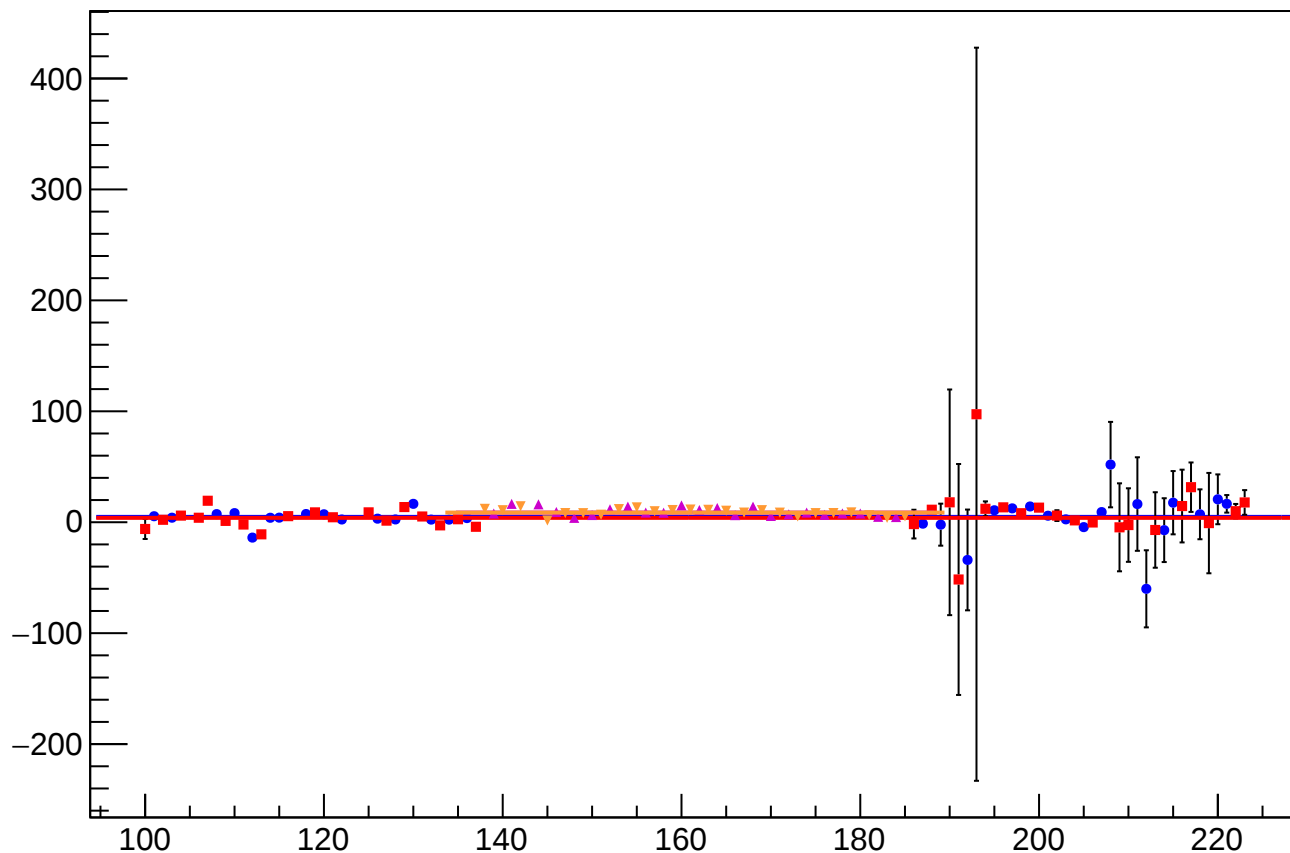
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.108 $\pm$ 0.170 χ^2 /NDF: 5500.1/57

All: 10.187 $\pm$ 0.120 χ^2 /NDF: 11669.1/118

- sign 10.264 $\pm$ 0.168 χ^2 /NDF: 6168.5/60

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.818 ± 0.250 χ^2/NDF : 579.4/33

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.956 ± 0.254 χ^2/NDF : 593.3/37

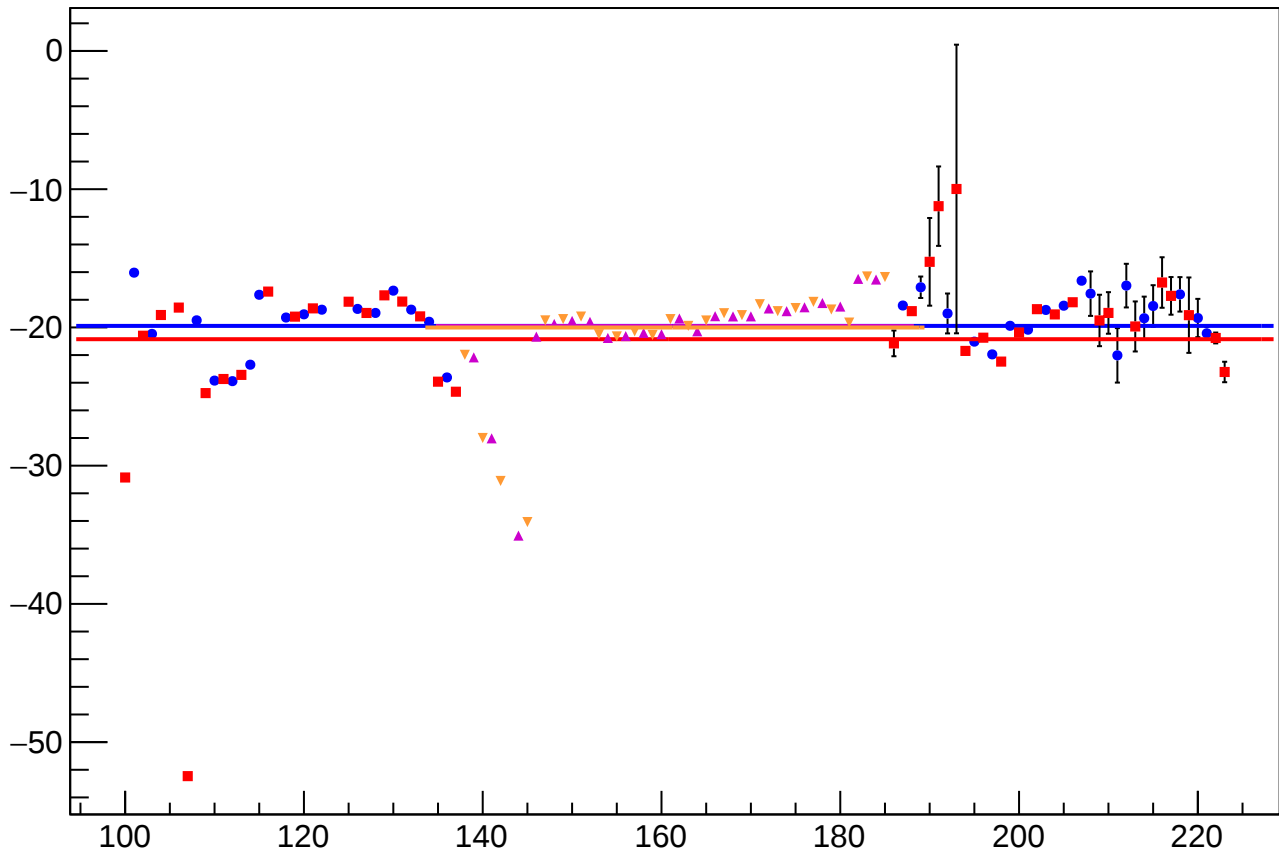
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.478 ± 0.140 χ^2/NDF : 985.5/57

All: 7.345 ± 0.099 χ^2/NDF : 2254.9/118

- sign 7.209 ± 0.141 χ^2/NDF : 1267.5/60

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.889 $\pm$ 0.015 χ^2 /NDF: 27153.6/33

Left Out: -20.006 $\pm$ 0.008 χ^2 /NDF:171763.9/23

Right Out: -20.852 $\pm$ 0.015 χ^2 /NDF: 95261.6/37

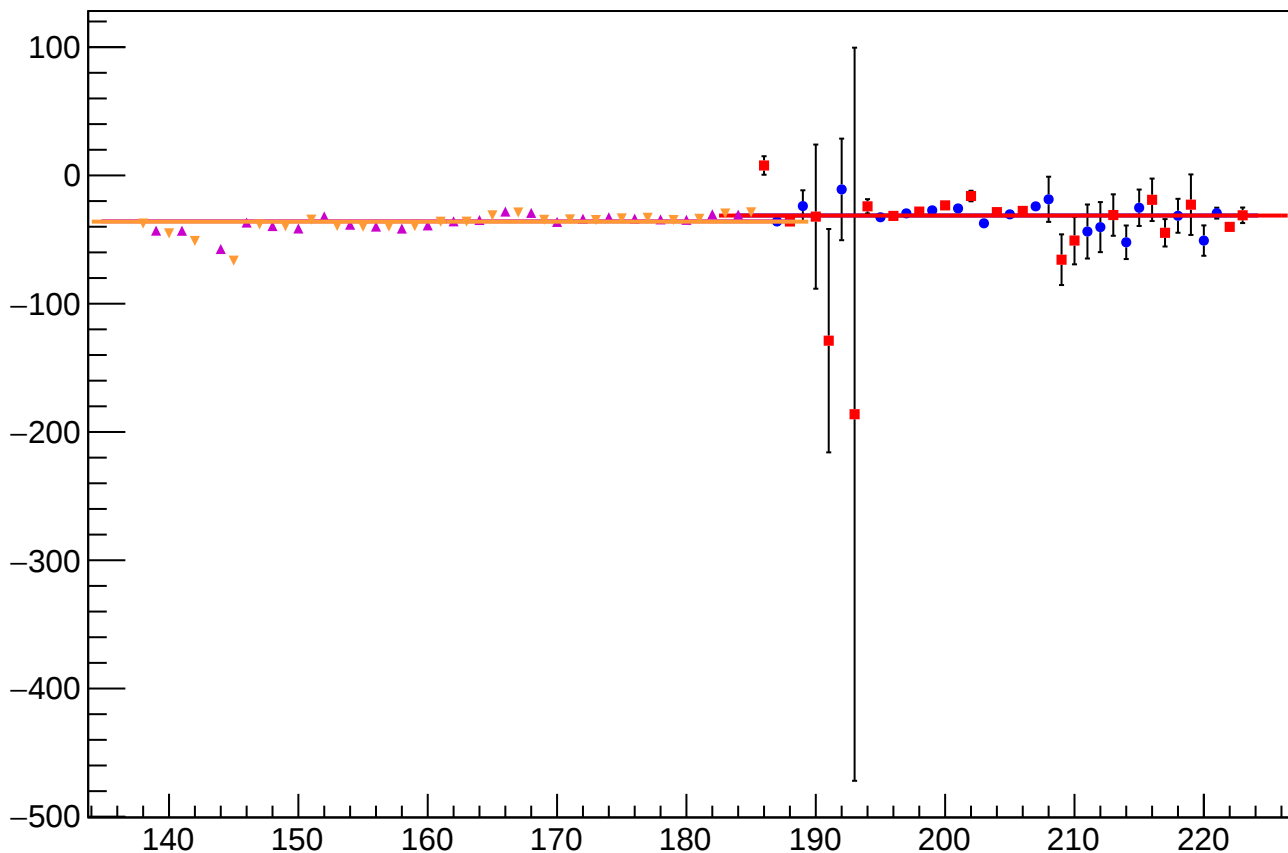
Left In: -19.898 $\pm$ 0.008 χ^2 /NDF:144191.9/22

+ sign -19.980 $\pm$ 0.007 χ^2 /NDF: 198965.4/57

All: -20.042 $\pm$ 0.005 χ^2 /NDF: 441781.1/118

- sign -20.104 $\pm$ 0.007 χ^2 /NDF: 242655.4/60

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.227 ± 0.835 χ^2/NDF : 34.3/17

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -31.281 ± 0.781 χ^2/NDF : 84.1/19

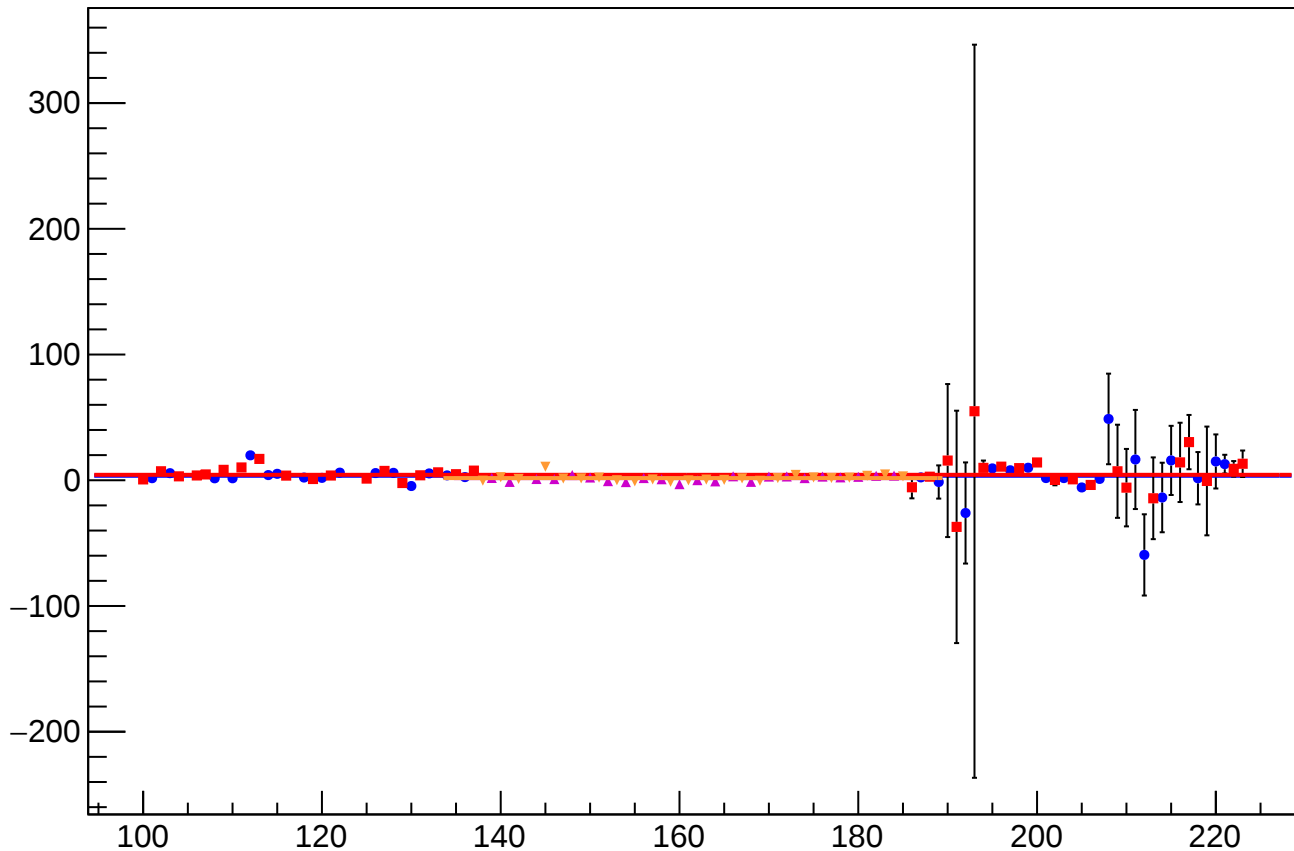
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.790 ± 0.187 χ^2/NDF : 1187.0/41

All: -35.650 ± 0.132 χ^2/NDF : 2145.9/84

- sign -35.512 ± 0.186 χ^2/NDF : 957.8/42

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.576 ± 0.216 χ^2/NDF : 463.9/33

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.332 ± 0.217 χ^2/NDF : 381.6/37

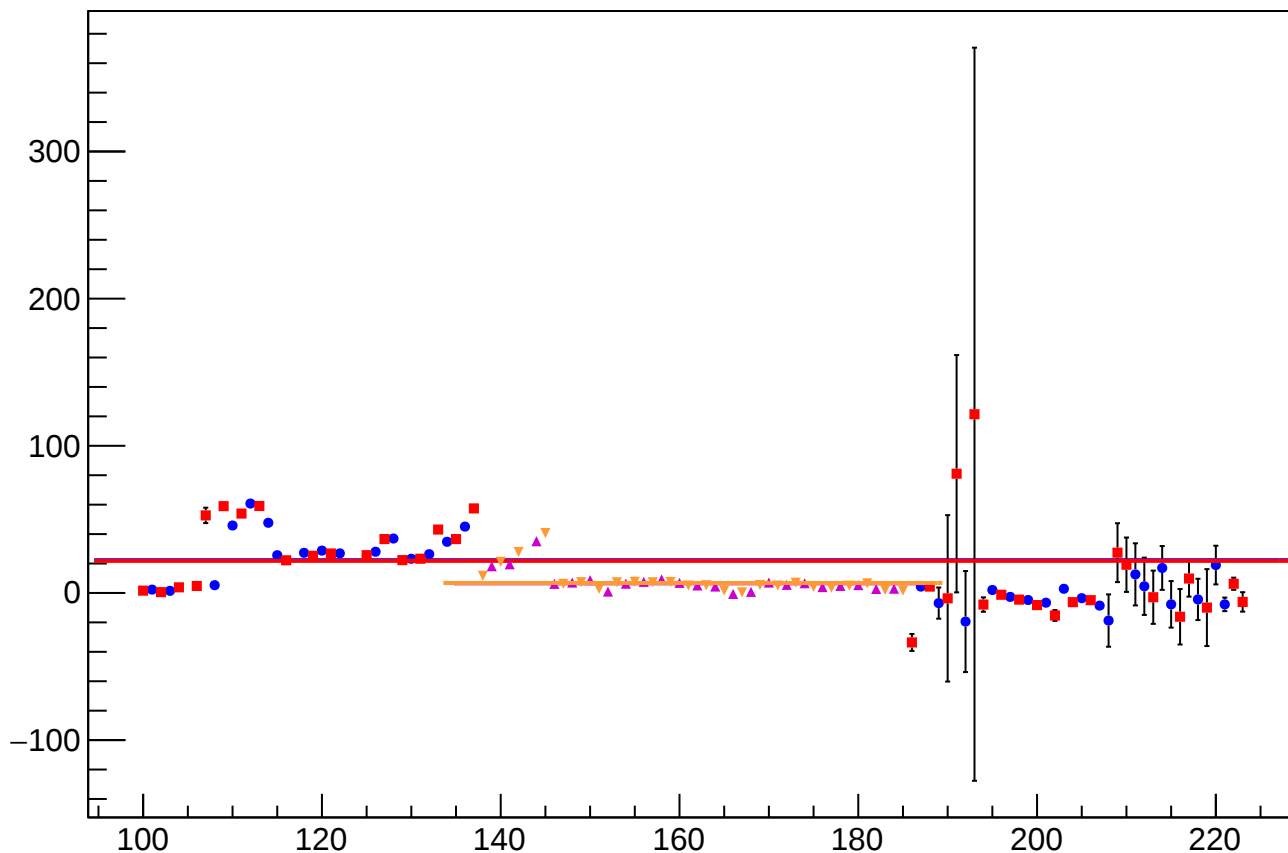
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.312 ± 0.122 χ^2/NDF : 682.0/57

All: 2.430 ± 0.087 χ^2/NDF : 1328.0/118

- sign 2.551 ± 0.123 χ^2/NDF : 644.1/60

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 22.250 $\pm$ 0.368 χ^2 /NDF: 2750.8/33

Left Out: 6.779 $\pm$ 0.191 χ^2 /NDF: 1297.7/23

Right Out: 21.837 $\pm$ 0.347 χ^2 /NDF: 3700.1/37

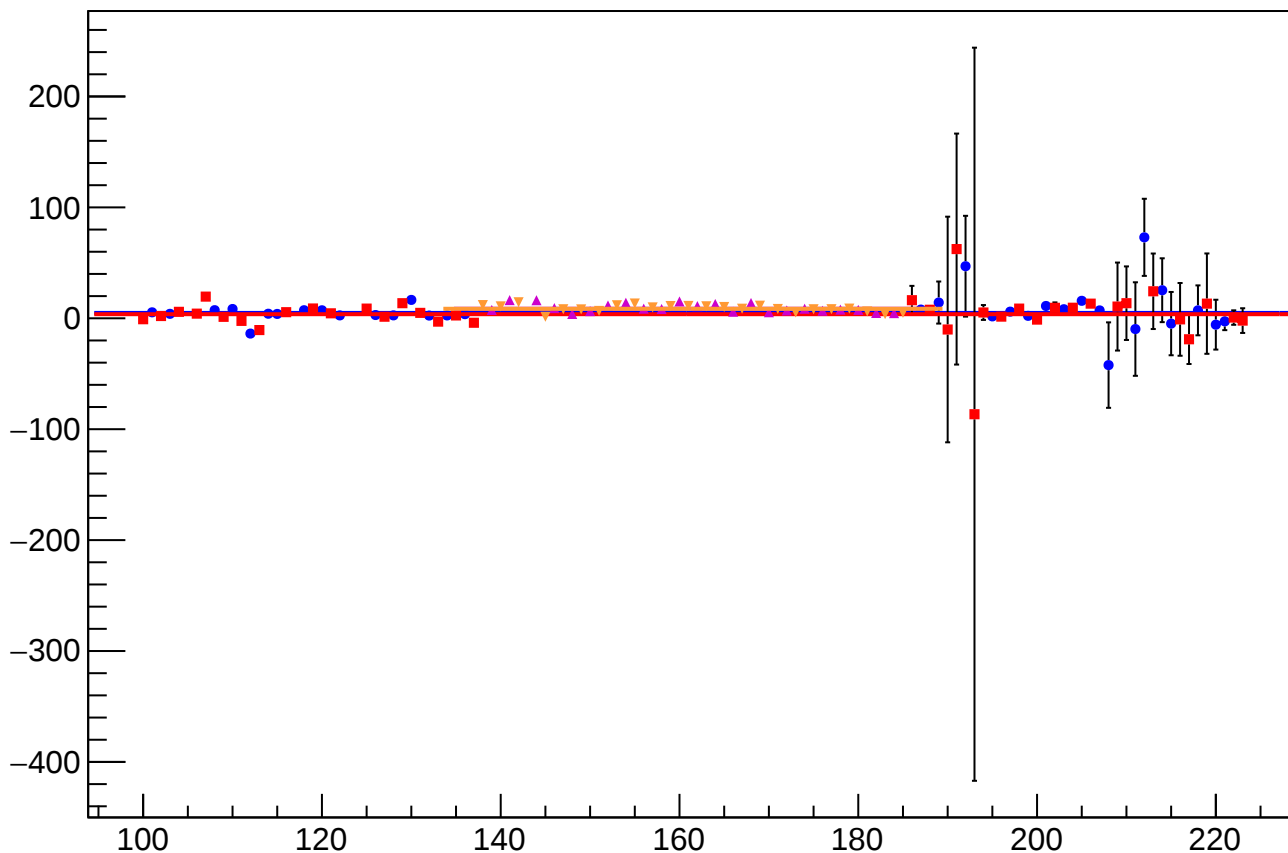
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF: 1018.2/22

+ sign 10.066 $\pm$ 0.170 χ^2 /NDF: 5438.4/57

All: 10.069 $\pm$ 0.119 χ^2 /NDF: 11652.7/118

- sign 10.071 $\pm$ 0.167 χ^2 /NDF: 6214.3/60

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.840 ± 0.250 χ^2/NDF : 566.1/33

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.689 ± 0.250 χ^2/NDF : 591.0/37

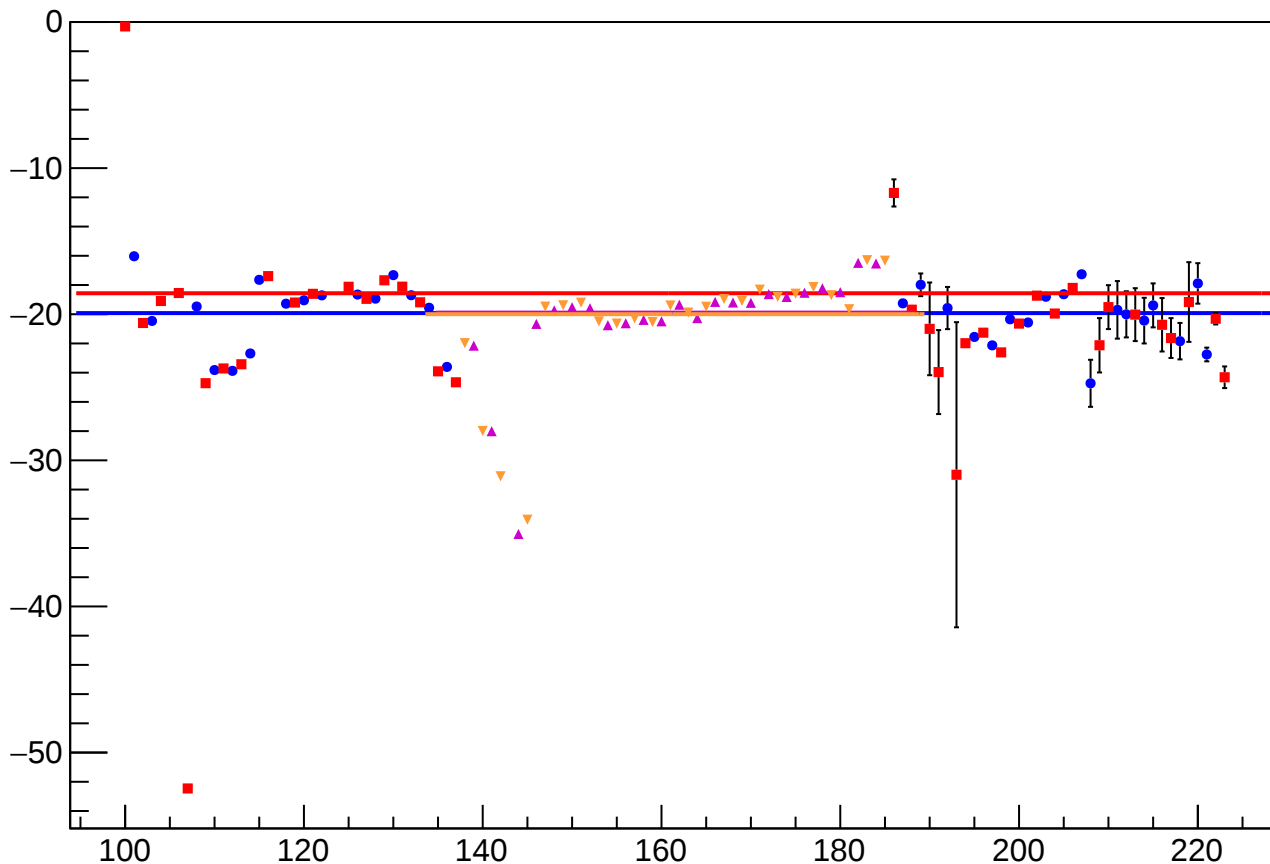
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.410 ± 0.140 χ^2/NDF : 966.0/57

All: 7.223 ± 0.099 χ^2/NDF : 2264.7/118

- sign 7.035 ± 0.141 χ^2/NDF : 1295.2/60

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.923 ± 0.015 χ^2/NDF : 27138.2/33

Left Out: -19.998 ± 0.008 χ^2/NDF : 171944.6/23

Right Out: -18.564 ± 0.014 χ^2/NDF : 303815.4/37

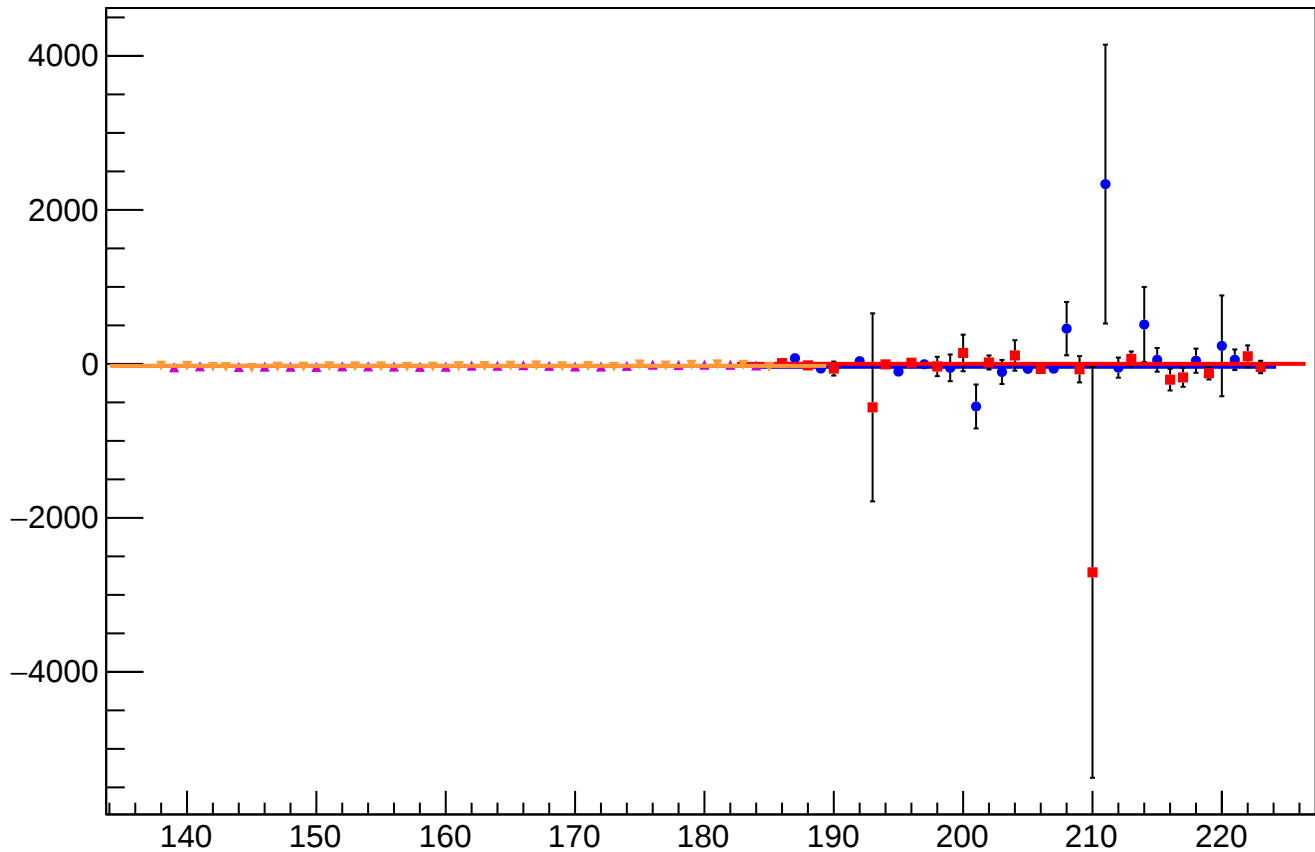
Left In: -19.890 ± 0.008 χ^2/NDF : 144055.2/22

+ sign -19.981 ± 0.007 χ^2/NDF : 199103.0/57

All: -19.776 ± 0.005 χ^2/NDF : 655459.7/118

- sign -19.577 ± 0.007 χ^2/NDF : 454640.6/60

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -37.422 ± 12.829 χ^2/NDF : 22.3/17

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 0.447 ± 7.960 χ^2/NDF : 14.6/18

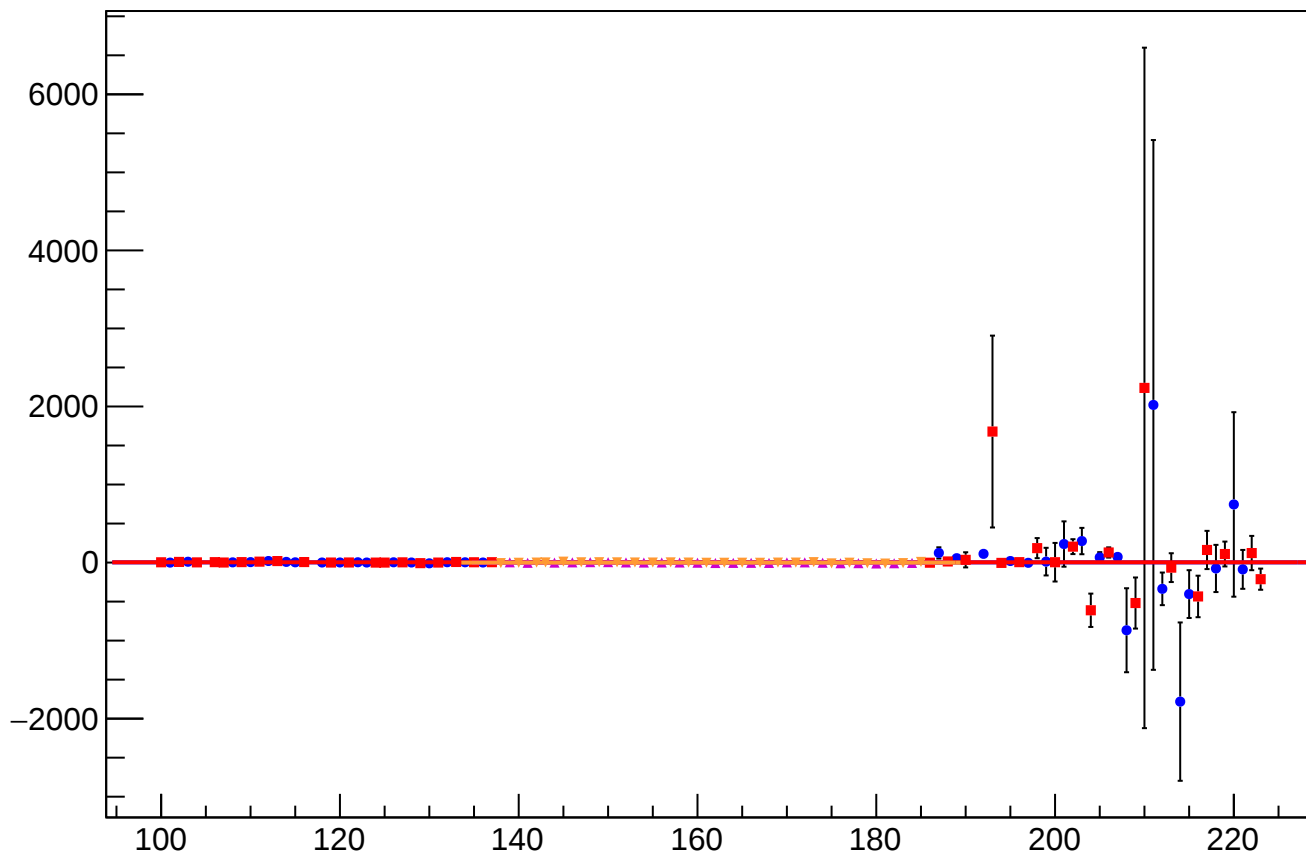
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.887 ± 0.192 χ^2/NDF : 4181.1/42

All: -25.960 ± 0.137 χ^2/NDF : 7486.5/84

- sign -26.036 ± 0.195 χ^2/NDF : 3305.1/41

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.475+/-0.315 χ^2/NDF : 324.6/34

Left Out: -0.654+/-0.146 χ^2/NDF : 1320.8/24

Right Out: 3.714+/-0.327 χ^2/NDF : 299.1/37

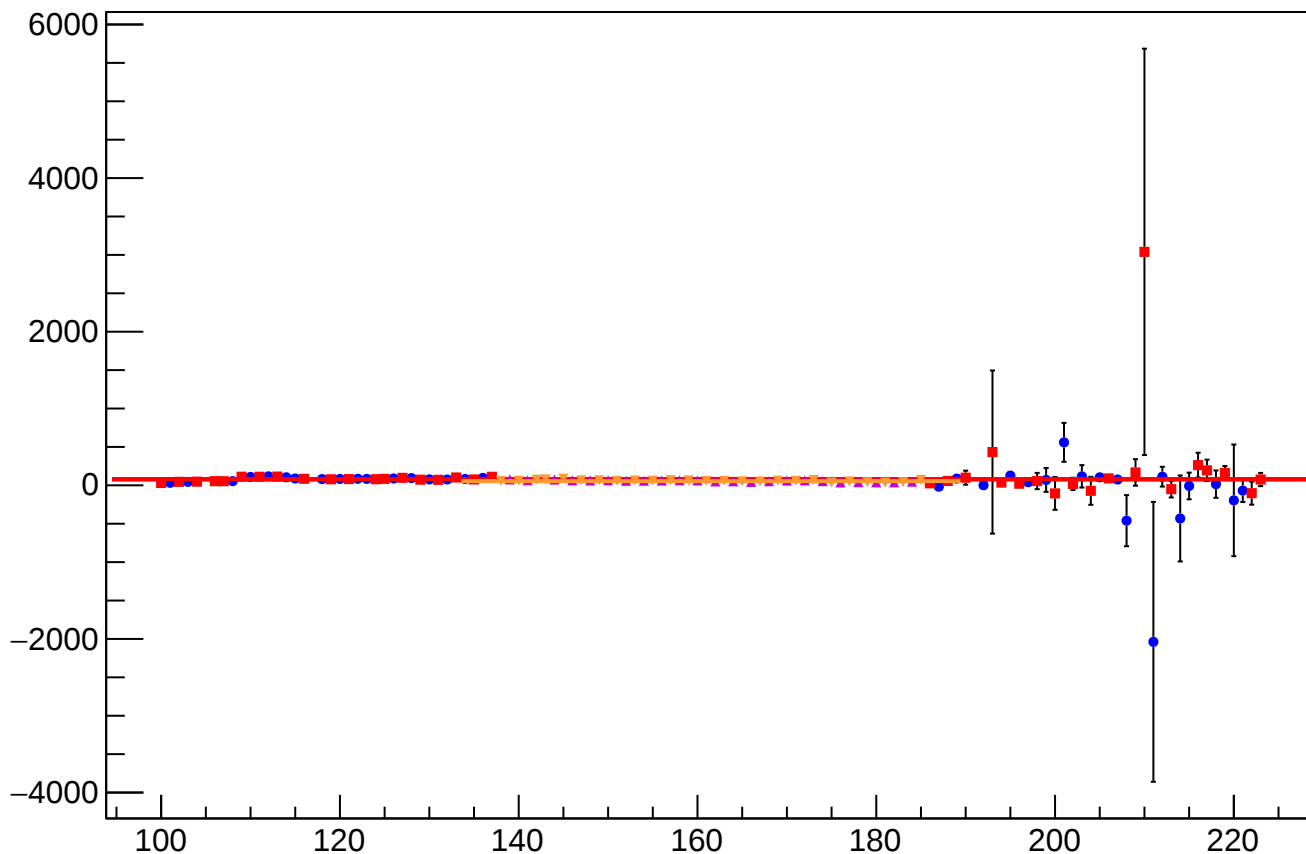
Left In: -0.863+/-0.150 χ^2/NDF : 1066.5/22

+ sign -0.099+/-0.133 χ^2/NDF : 1726.8/59

All: -0.081+/-0.095 χ^2/NDF : 3254.5/120

- sign -0.062+/-0.137 χ^2/NDF : 1527.7/60

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.528 $\pm$ 0.576 χ^2 /NDF: 2275.6/34

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.492 $\pm$ 0.590 χ^2 /NDF: 1639.8/37

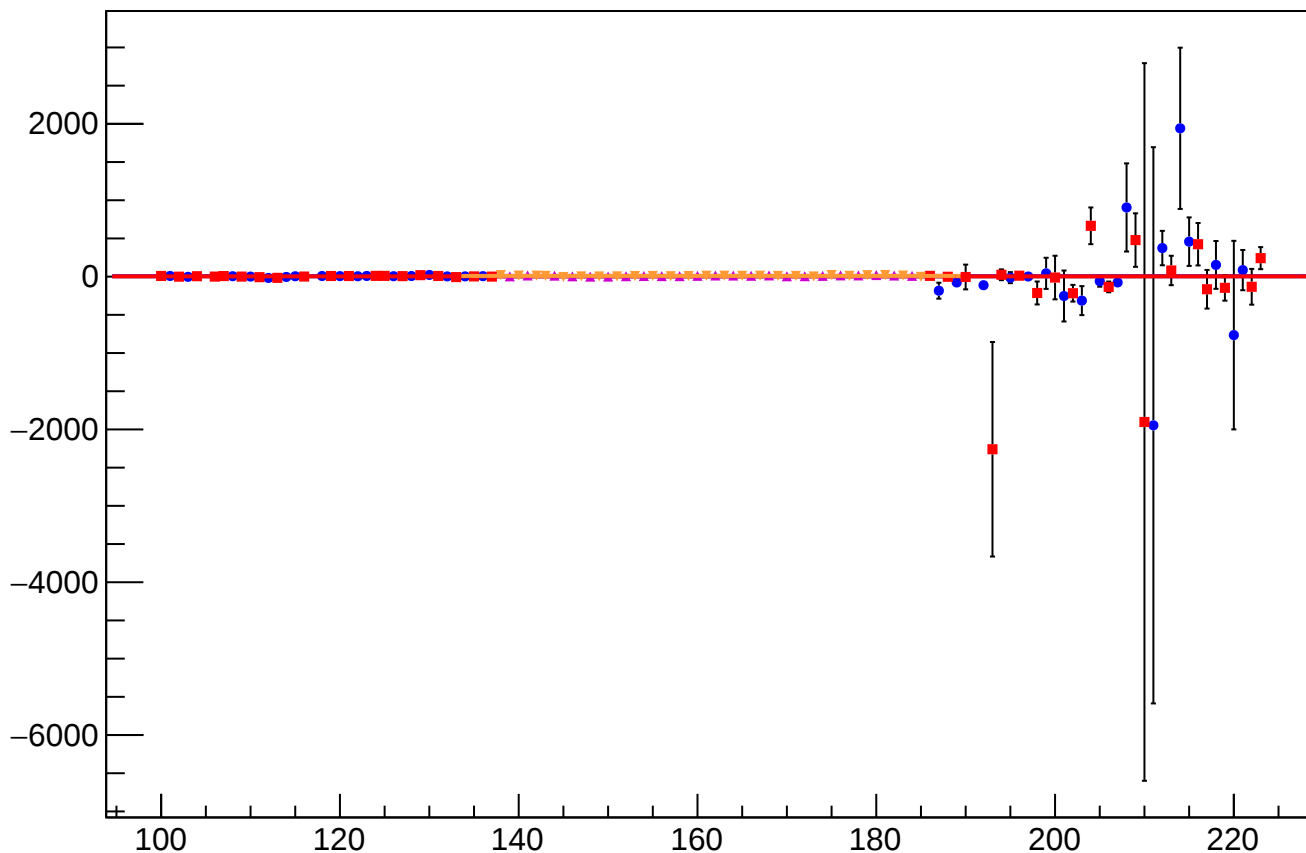
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8100.8/59

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15254.1/120

- sign 57.632 $\pm$ 0.184 χ^2 /NDF: 7150.9/60

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.408 ± 0.361 $\chi^2/\text{NDF}: 416.2/34$

Left Out: 9.737 ± 0.168 $\chi^2/\text{NDF}: 1450.2/24$

Right Out: 3.581 ± 0.375 $\chi^2/\text{NDF}: 450.9/37$

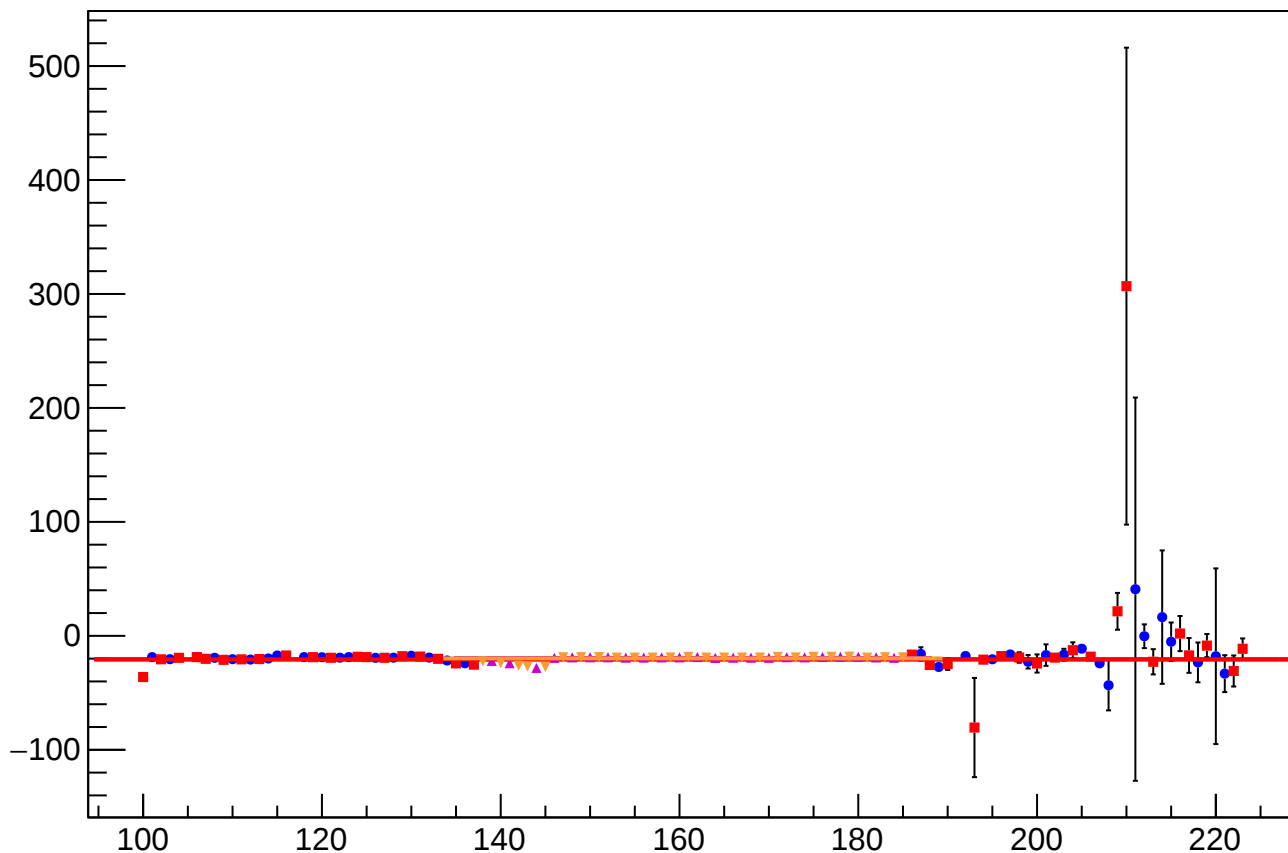
Left In: 9.803 ± 0.172 $\chi^2/\text{NDF}: 1158.7/22$

+ sign 8.968 ± 0.152 $\chi^2/\text{NDF}: 1984.7/59$

All: 8.851 ± 0.109 $\chi^2/\text{NDF}: 3822.8/120$

- sign 8.727 ± 0.156 $\chi^2/\text{NDF}: 1836.8/60$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12460.9/34$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.638 ± 0.019 $\chi^2/\text{NDF}: 13824.4/37$

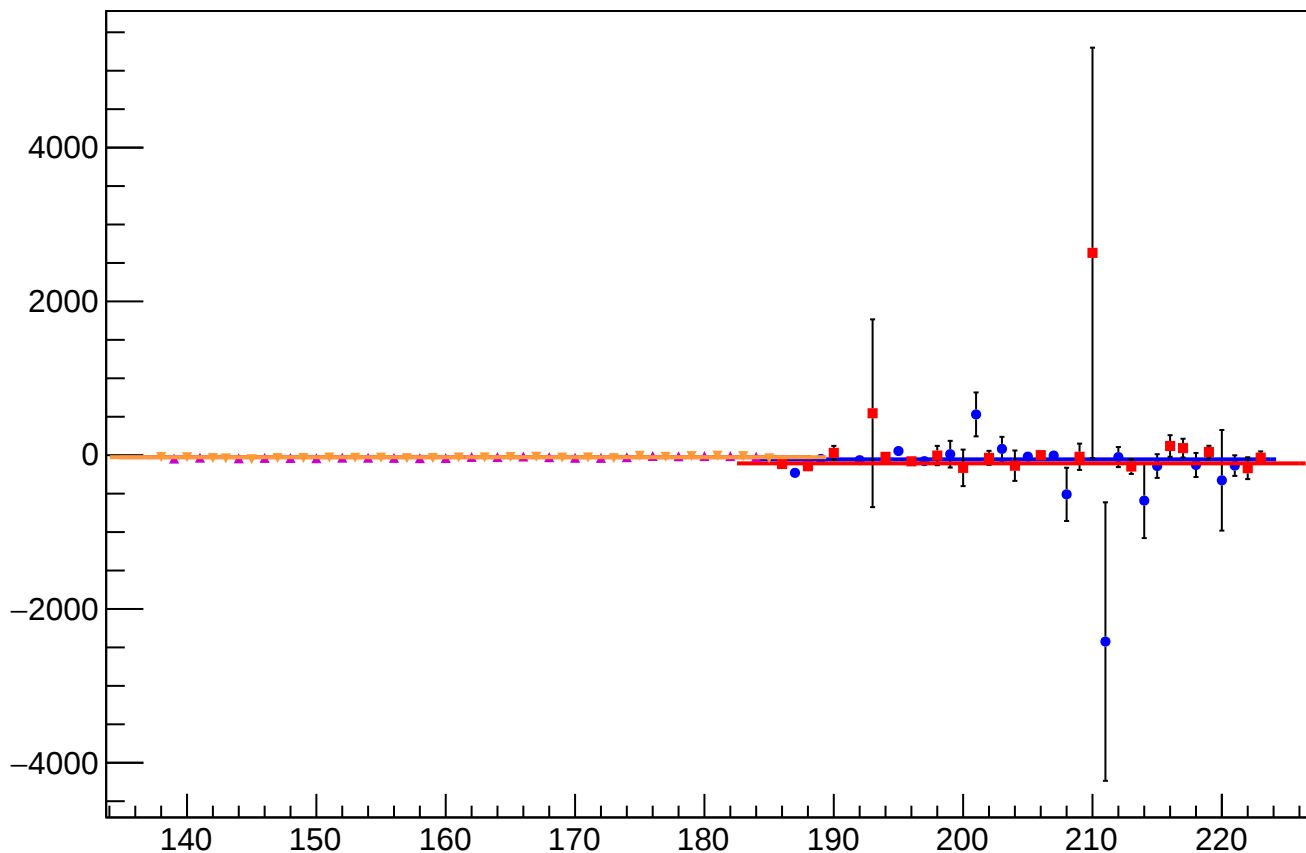
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105839.6/59$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176861.1/120$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70268.9/60$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -54.215+/-12.838 χ^2 /NDF: 33.4/17

Left Out: -25.899+/-0.192 χ^2 /NDF: 4127.5/24

Right Out: -106.424+/-7.966 χ^2 /NDF: 26.8/18

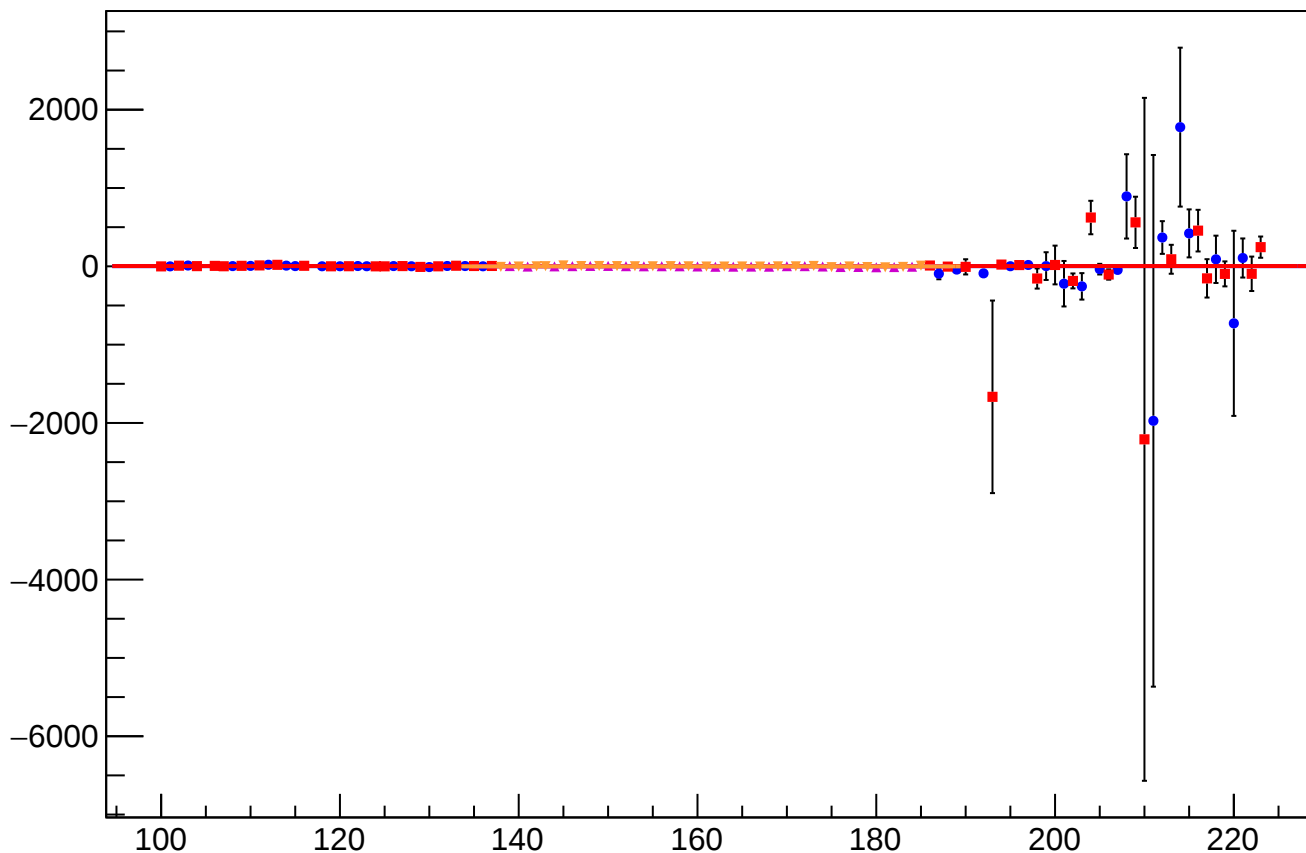
Left In: -26.046+/-0.195 χ^2 /NDF: 3246.7/22

+ sign -25.905+/-0.192 χ^2 /NDF: 4165.8/42

All: -25.998+/-0.137 χ^2 /NDF: 7541.6/84

- sign -26.094+/-0.195 χ^2 /NDF: 3375.3/41

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.440 ± 0.315 χ^2/NDF : 317.2/34

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.594 ± 0.318 χ^2/NDF : 309.5/37

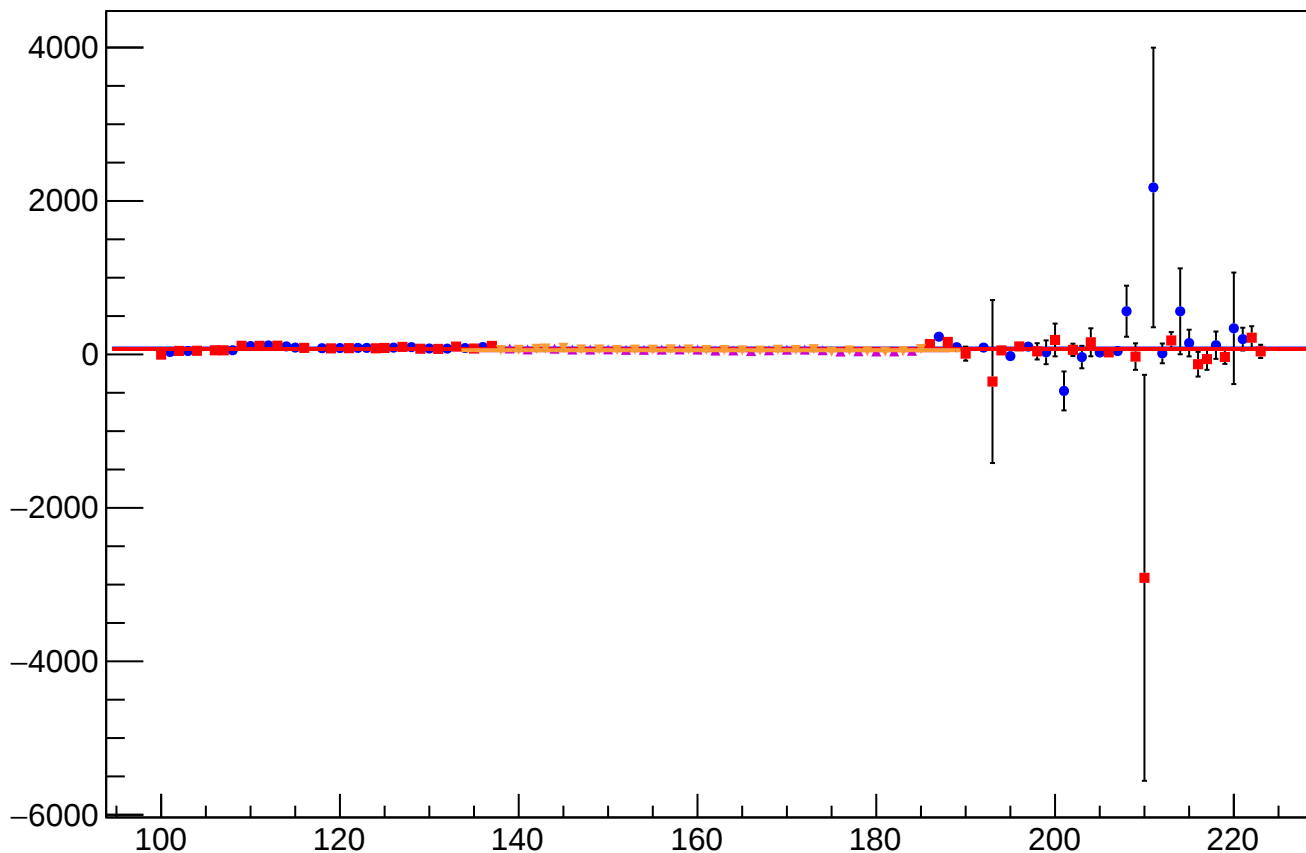
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1704.3/59

All: -0.025 ± 0.095 χ^2/NDF : 3275.9/120

- sign 0.009 ± 0.136 χ^2/NDF : 1571.5/60

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.712 $\pm$ 0.576 χ^2 /NDF: 2301.8/34

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.743 $\pm$ 0.549 χ^2 /NDF: 4499.9/37

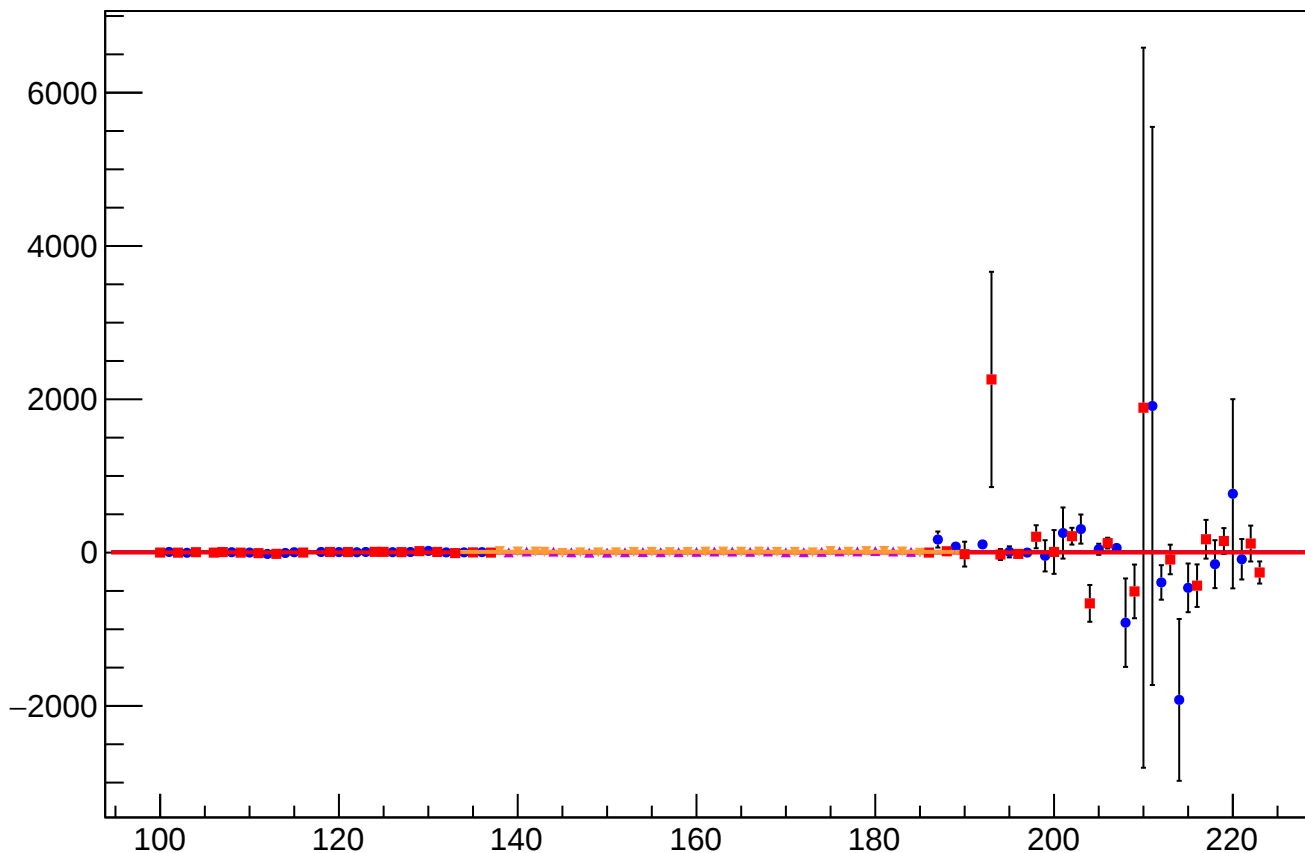
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.260 $\pm$ 0.182 χ^2 /NDF: 8126.5/59

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 17017.4/120

- sign 56.827 $\pm$ 0.183 χ^2 /NDF: 8888.1/60

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.443 $\pm$ 0.361 χ^2 /NDF: 410.4/34

Left Out: 9.675 $\pm$ 0.168 χ^2 /NDF:1441.3/24

Right Out: 3.281 $\pm$ 0.365 χ^2 /NDF: 454.0/37

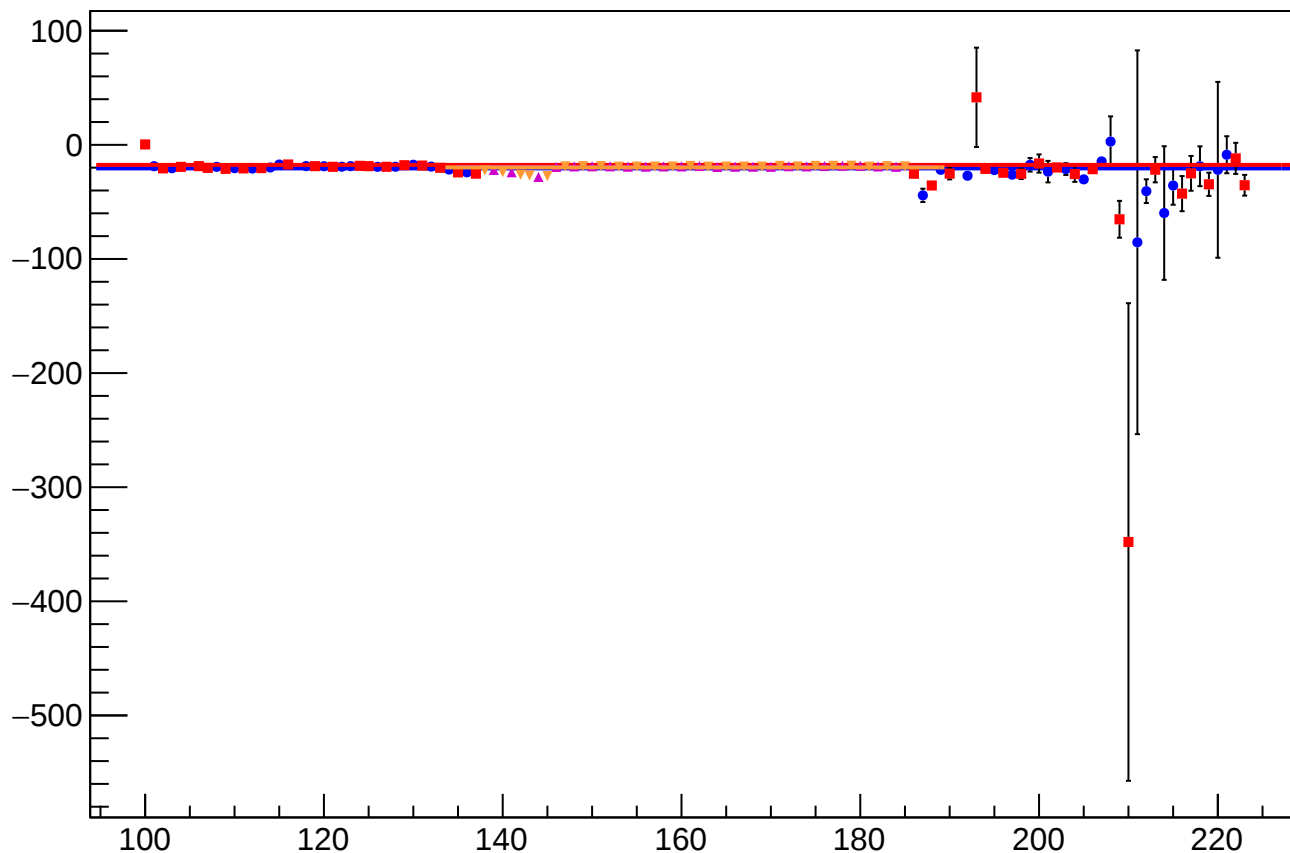
Left In: 9.738 $\pm$ 0.172 χ^2 /NDF:1191.1/22

+ sign 8.923 $\pm$ 0.152 χ^2 /NDF: 1964.7/59

All: 8.750 $\pm$ 0.109 χ^2 /NDF: 3868.1/120

- sign 8.570 $\pm$ 0.155 χ^2 /NDF: 1900.7/60

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 χ^2/NDF : 12521.5/34

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.576 ± 0.018 χ^2/NDF : 178462.7/37

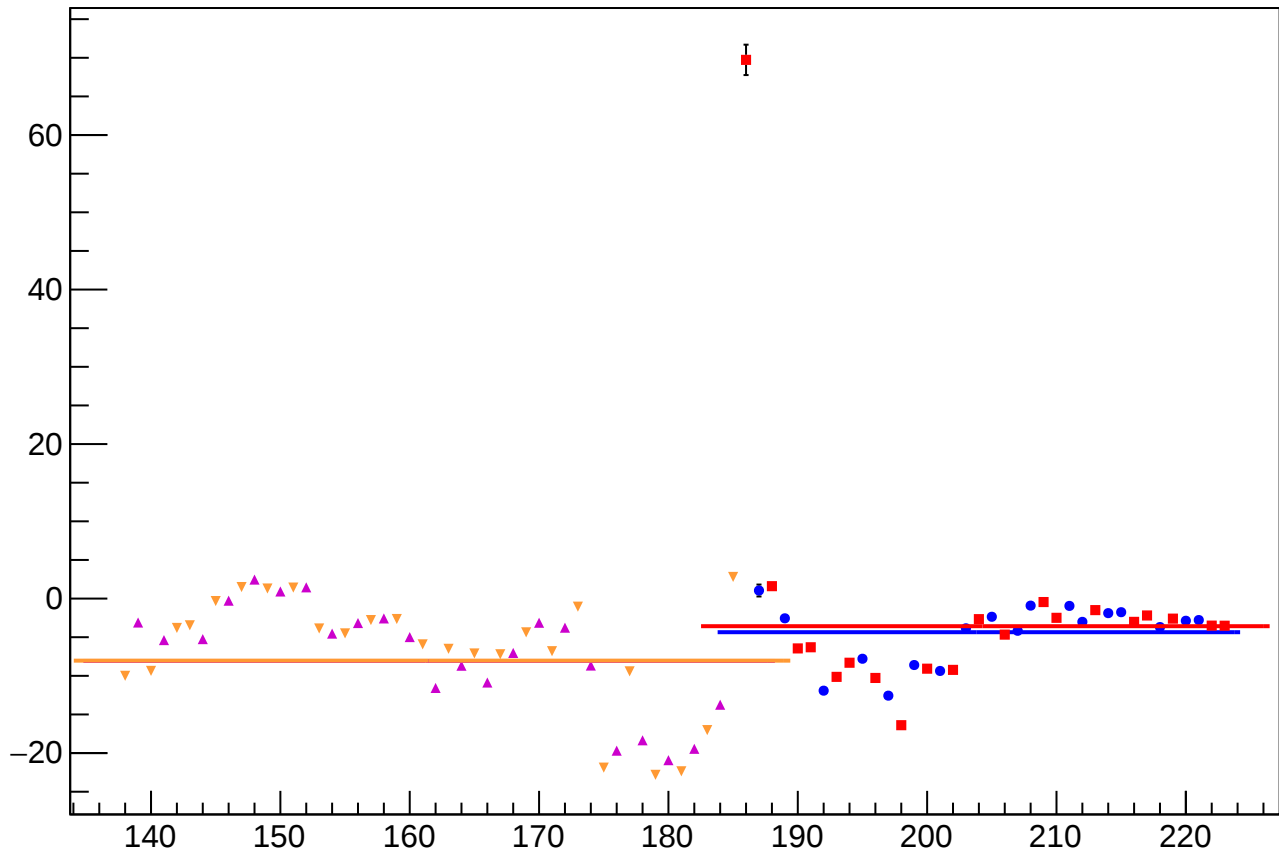
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105770.6/59

All: -19.518 ± 0.005 χ^2/NDF : 351754.2/120

- sign -19.140 ± 0.007 χ^2/NDF : 240572.7/60

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -4.352 ± 0.089 χ^2/NDF : 1617.9/17

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -3.575 ± 0.083 χ^2/NDF : 4173.0/19

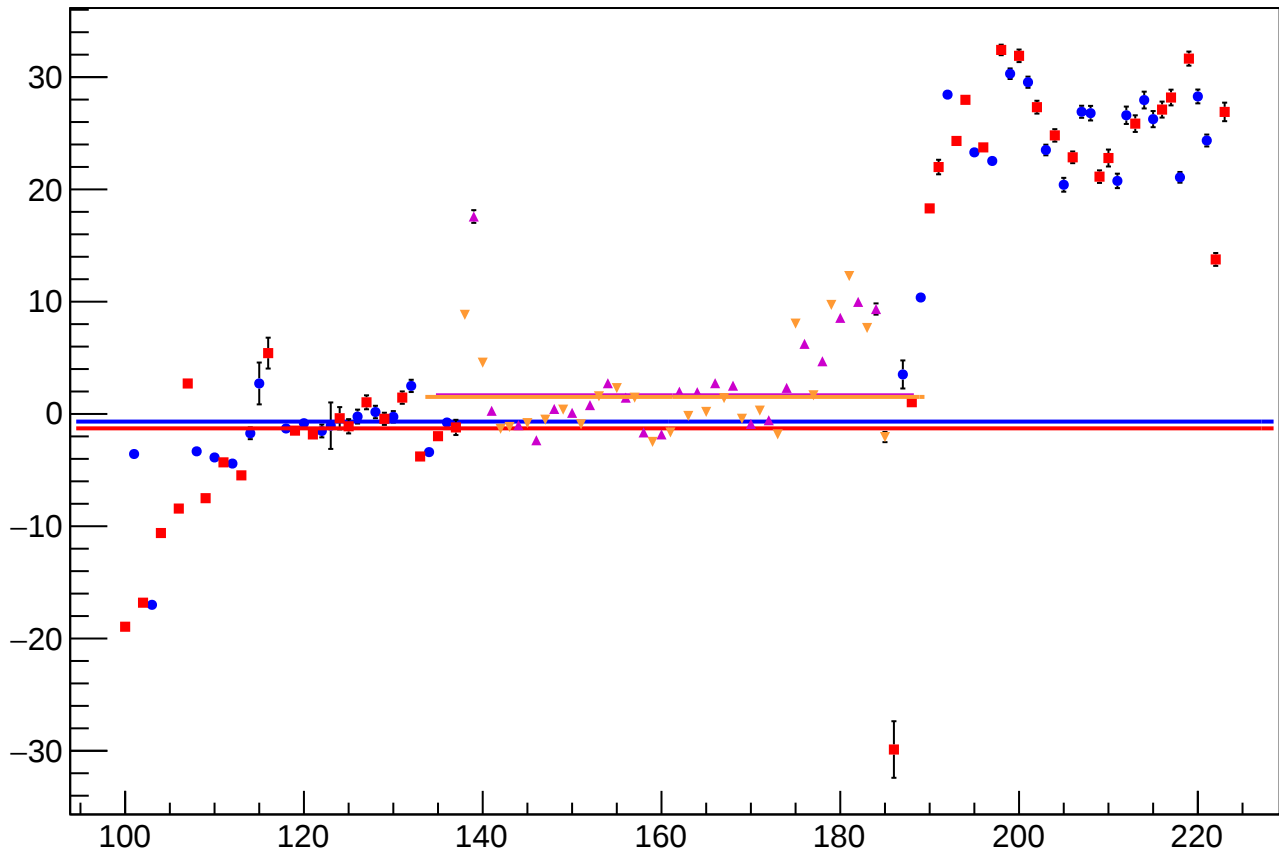
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -6.610 ± 0.055 χ^2/NDF : 15246.4/42

All: -6.372 ± 0.039 χ^2/NDF : 31685.7/85

- sign -6.140 ± 0.054 χ^2/NDF : 16402.2/42

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -0.678 ± 0.050 $\chi^2/\text{NDF}: 57453.0/34$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -1.283 ± 0.053 $\chi^2/\text{NDF}: 66191.9/38$

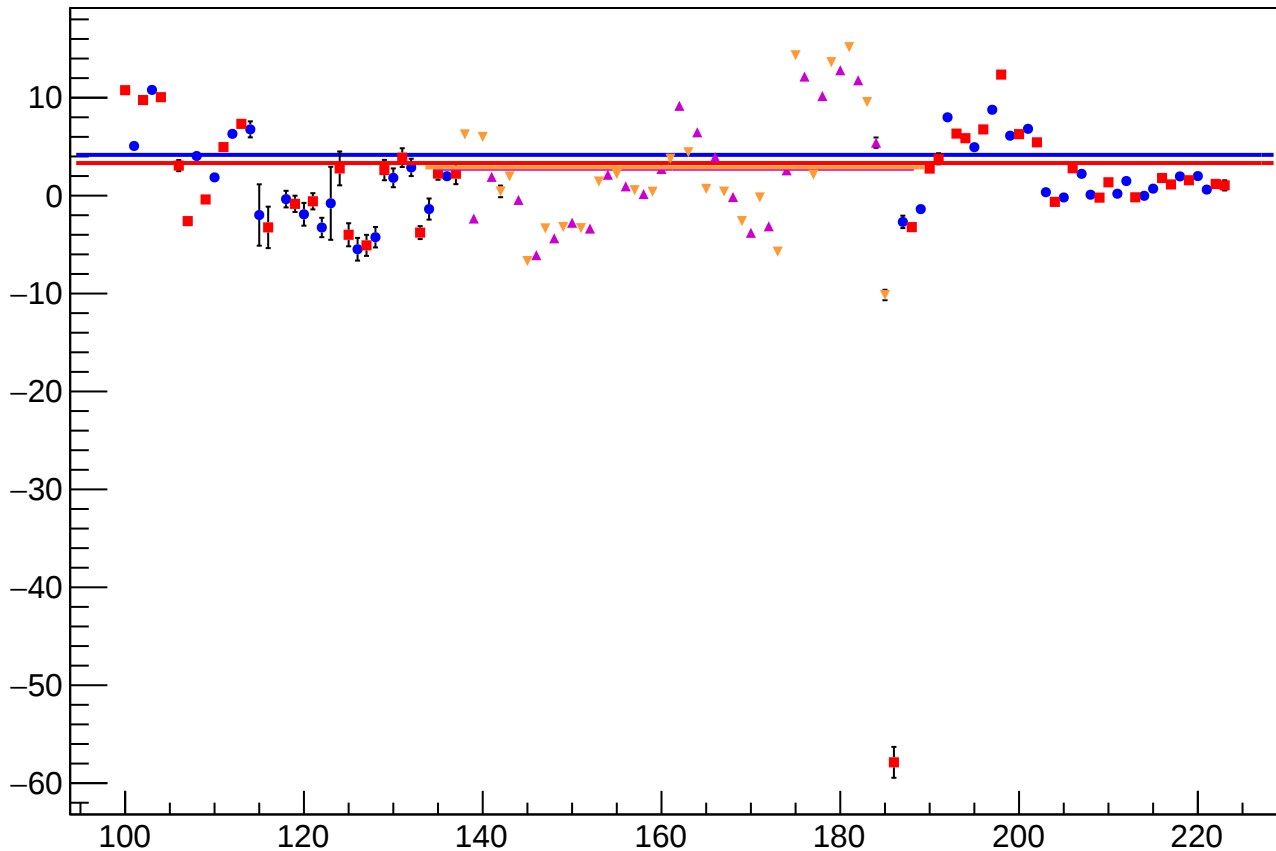
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign 0.333 ± 0.037 $\chi^2/\text{NDF}: 63181.4/59$

All: 0.213 ± 0.027 $\chi^2/\text{NDF}: 134885.1/121$

- sign 0.081 ± 0.038 $\chi^2/\text{NDF}: 71681.3/61$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 4.163 ± 0.062 $\chi^2/\text{NDF}: 3509.3/34$

Left Out: 2.884 ± 0.070 $\chi^2/\text{NDF}: 8893.2/24$

Right Out: 3.329 ± 0.060 $\chi^2/\text{NDF}: 8201.9/38$

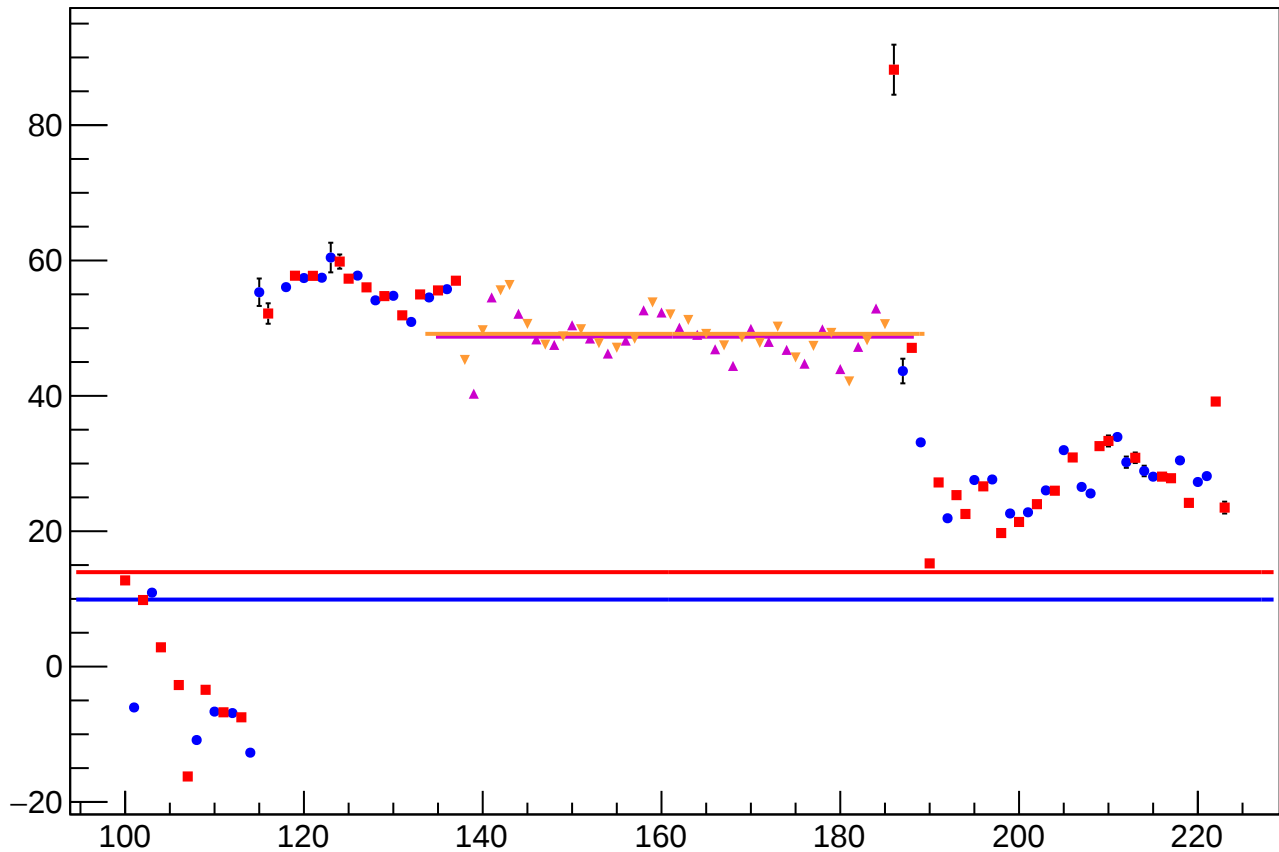
Left In: 2.745 ± 0.071 $\chi^2/\text{NDF}: 7183.1/22$

+ sign 3.598 ± 0.047 $\chi^2/\text{NDF}: 12587.5/59$

All: 3.339 ± 0.033 $\chi^2/\text{NDF}: 28072.4/121$

- sign 3.088 ± 0.046 $\chi^2/\text{NDF}: 15424.1/61$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 9.903 $\pm$ 0.059 χ^2 /NDF: 139757.3/34

Left Out: 49.163 $\pm$ 0.062 χ^2 /NDF:2259.9/24

Right Out: 13.952 $\pm$ 0.062 χ^2 /NDF: 140683.2/38

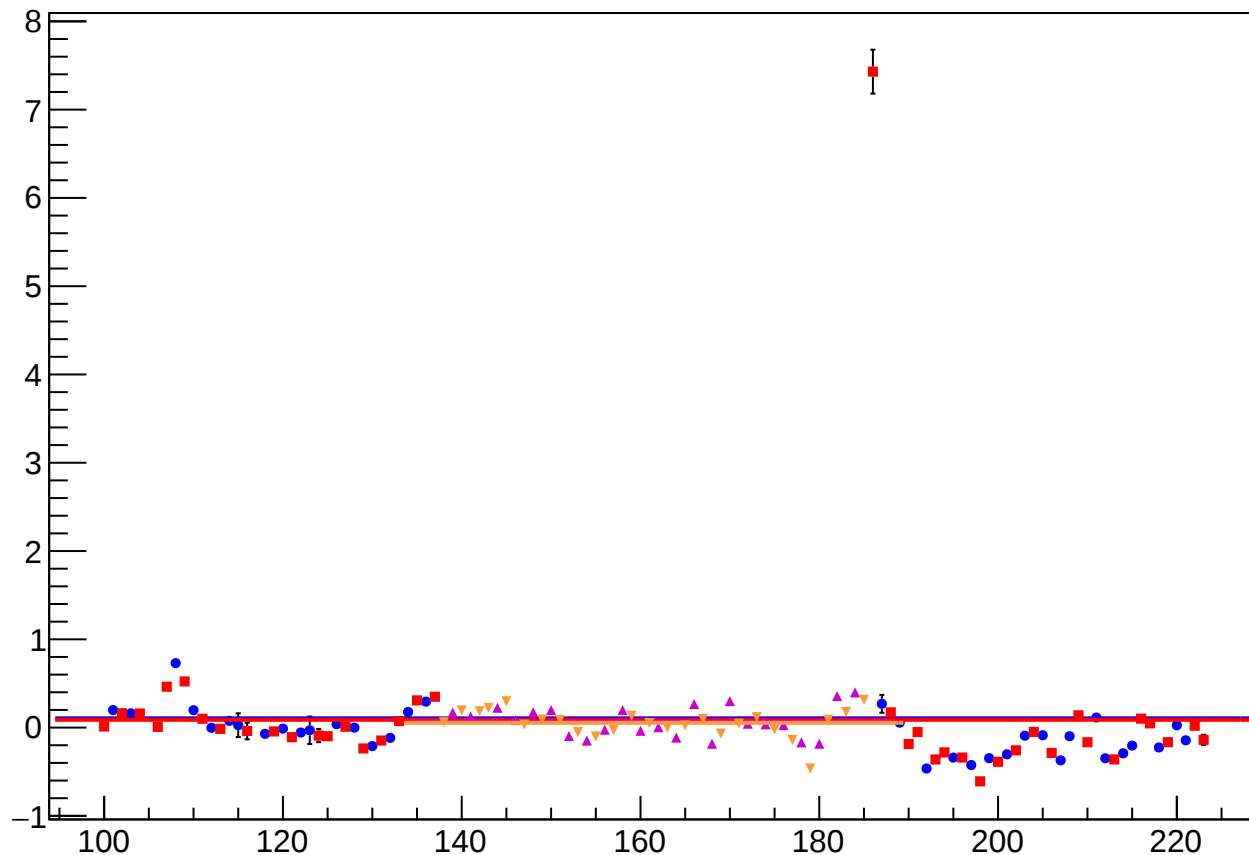
Left In: 48.744 $\pm$ 0.064 χ^2 /NDF:2097.7/22

+ sign 28.618 $\pm$ 0.043 χ^2 /NDF: 353615.8/59

All: 29.699 $\pm$ 0.031 χ^2 /NDF: 650636.5/121

- sign 30.874 $\pm$ 0.044 χ^2 /NDF: 295679.7/61

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.105 $\pm$ 0.002 χ^2 /NDF: 12056.6/34

Left Out: 0.054 $\pm$ 0.003 χ^2 /NDF: 2379.8/24

Right Out: 0.088 $\pm$ 0.002 χ^2 /NDF: 11171.7/38

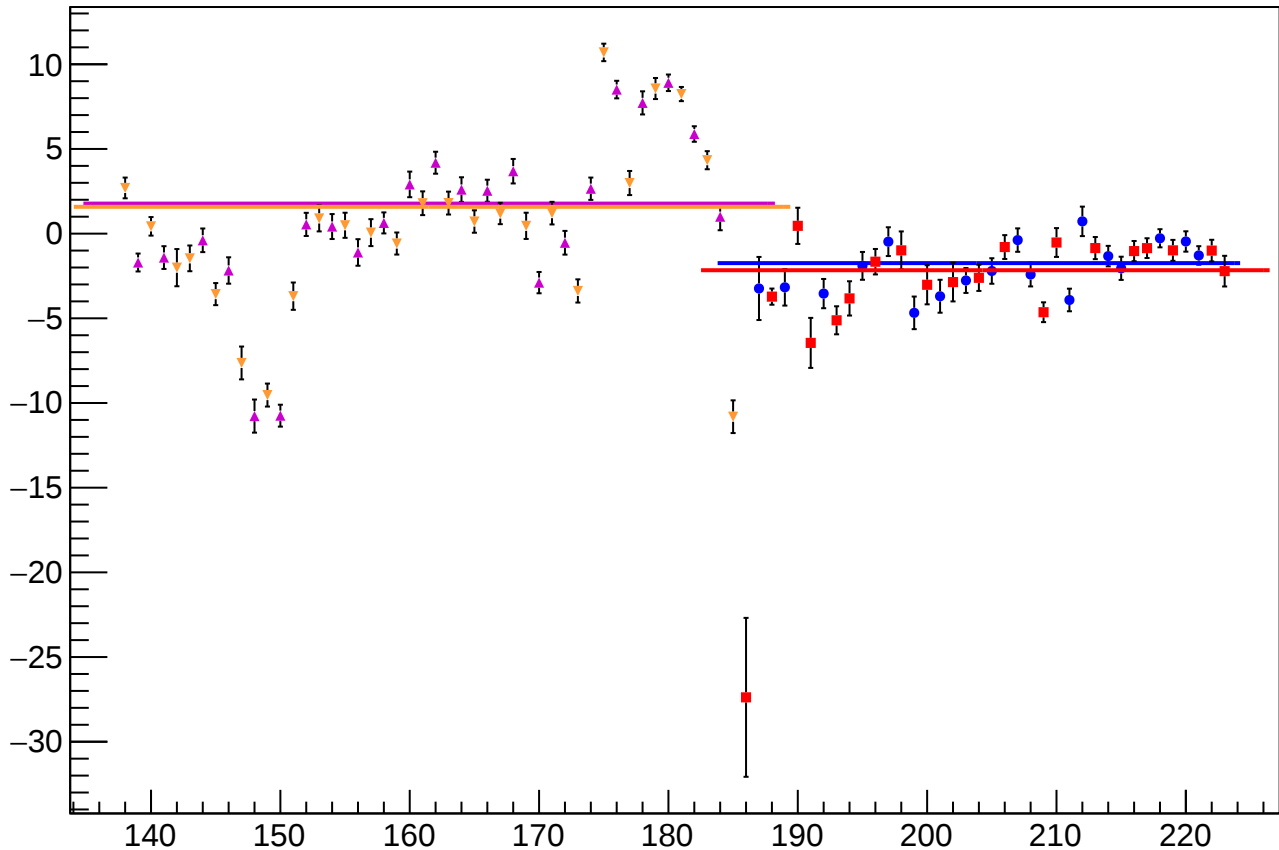
Left In: 0.070 $\pm$ 0.003 χ^2 /NDF: 3233.8/22

+ sign 0.083 $\pm$ 0.002 χ^2 /NDF: 14620.1/59

All: 0.082 $\pm$ 0.001 χ^2 /NDF: 29049.2/121

- sign 0.081 $\pm$ 0.002 χ^2 /NDF: 14428.5/61

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.741 ± 0.173 χ^2/NDF : 61.5/17

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -2.161 ± 0.170 χ^2/NDF : 117.3/19

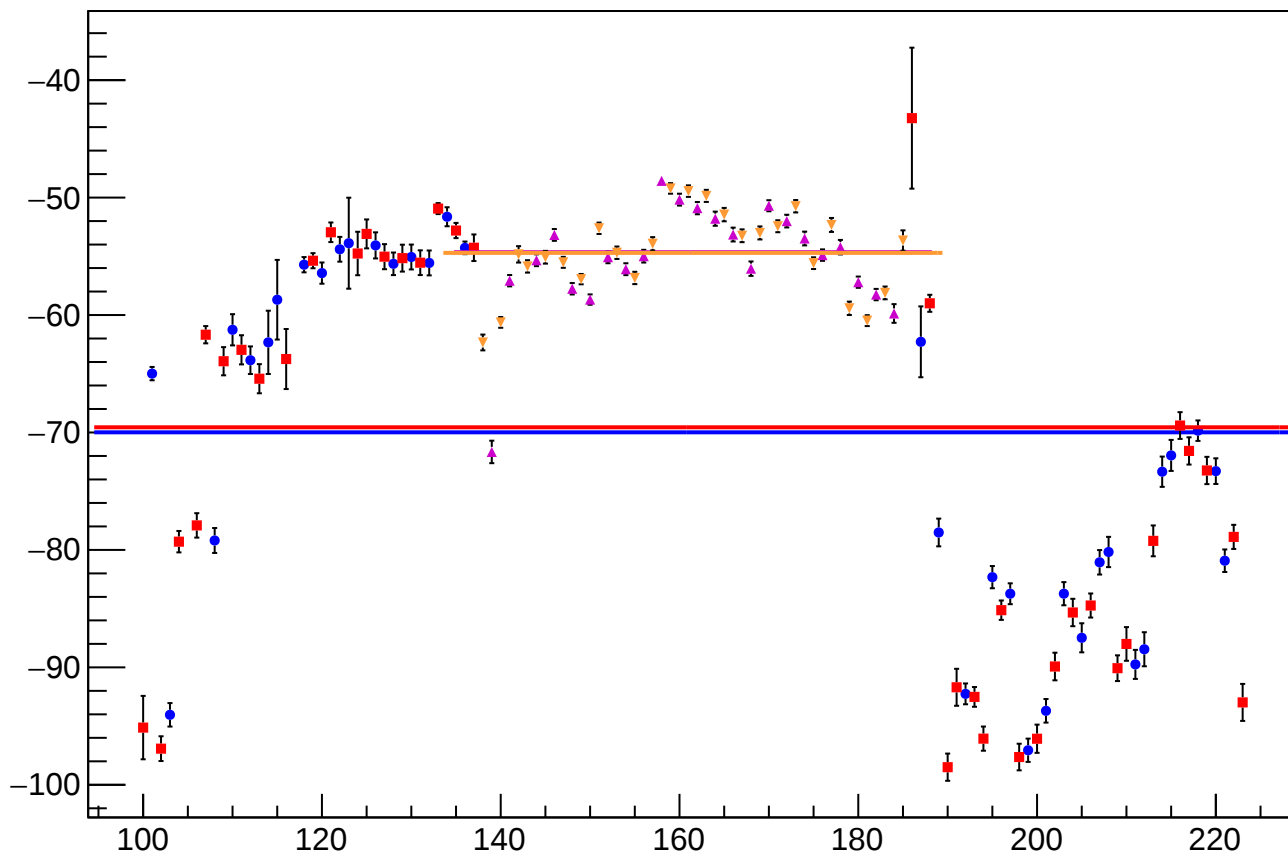
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.356 ± 0.105 χ^2/NDF : 1752.2/42

All: 0.302 ± 0.075 χ^2/NDF : 3496.0/85

- sign 0.247 ± 0.106 χ^2/NDF : 1743.2/42

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -69.987 ± 0.169 χ^2/NDF : 7480.7/34

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -69.558 ± 0.161 χ^2/NDF : 10705.9/38

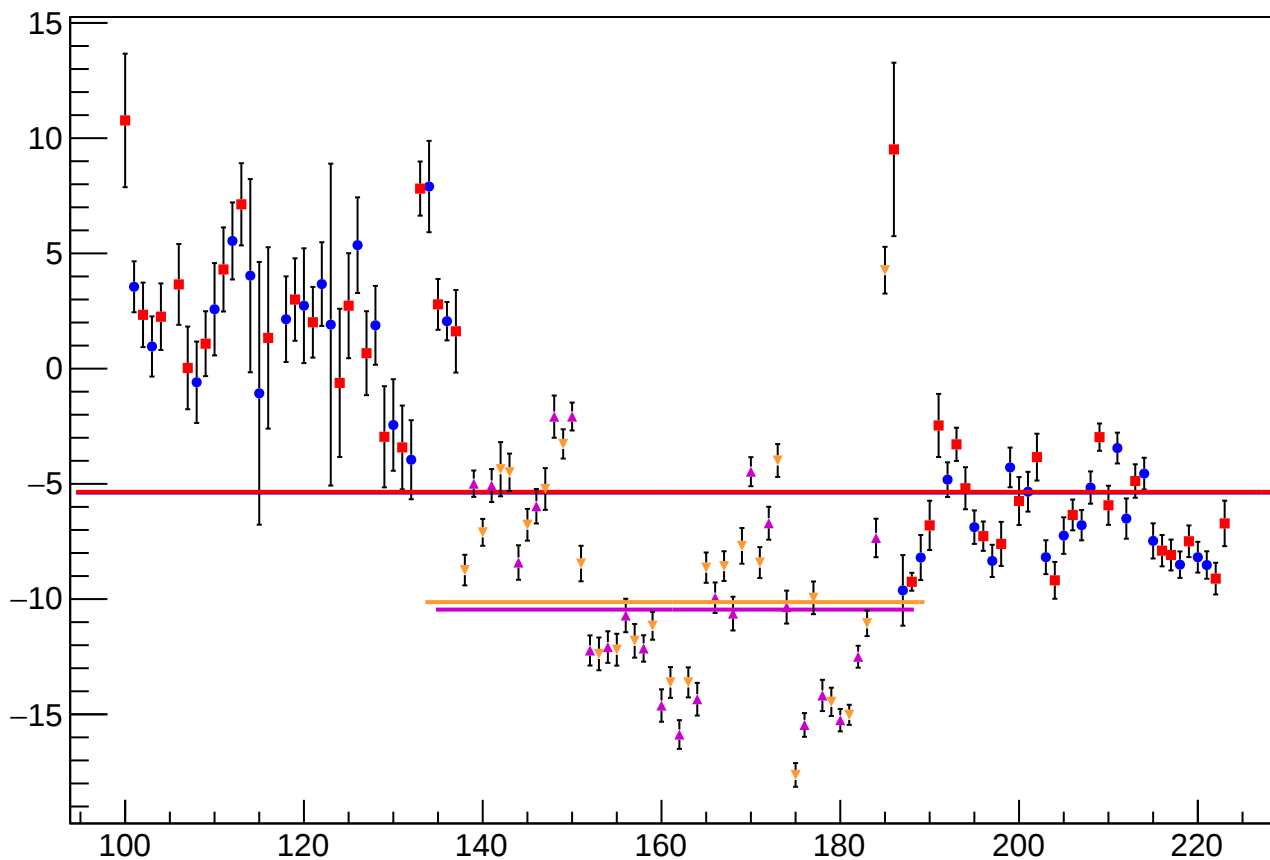
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -58.999 ± 0.090 χ^2/NDF : 14477.5/59

All: -59.185 ± 0.064 χ^2/NDF : 32115.3/121

- sign -59.376 ± 0.091 χ^2/NDF : 17629.1/61

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.378 ± 0.160 $\chi^2/\text{NDF}: 545.1/34$

Left Out: -10.131 ± 0.133 $\chi^2/\text{NDF}: 1055.4/24$

Right Out: -5.346 ± 0.153 $\chi^2/\text{NDF}: 756.1/38$

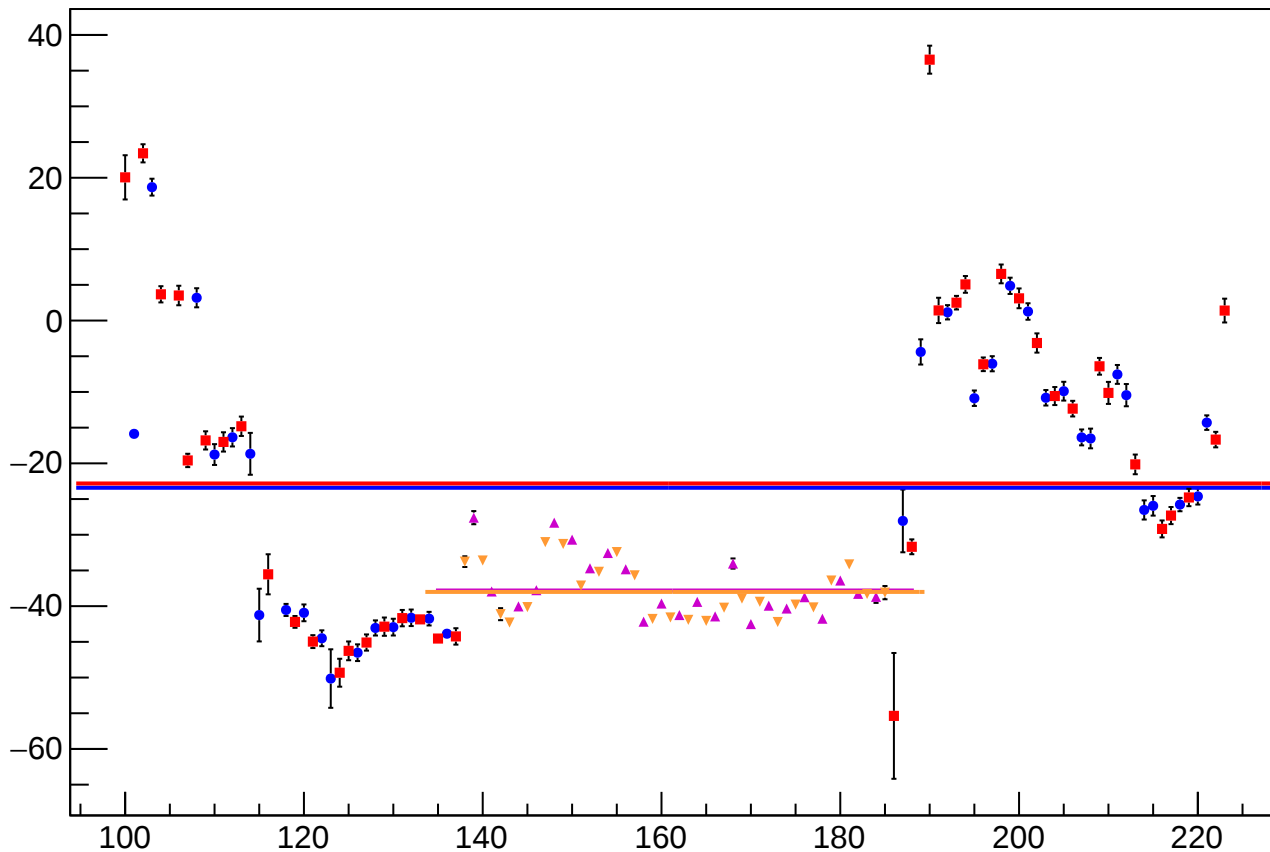
Left In: -10.456 ± 0.135 $\chi^2/\text{NDF}: 1002.7/22$

+ sign -8.188 ± 0.102 $\chi^2/\text{NDF}: 2124.3/59$

All: -8.204 ± 0.072 $\chi^2/\text{NDF}: 4513.7/121$

- sign -8.219 ± 0.101 $\chi^2/\text{NDF}: 2389.3/61$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -23.417 ± 0.190 $\chi^2/\text{NDF}: 8757.8/34$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -22.818 ± 0.185 $\chi^2/\text{NDF}: 12179.7/38$

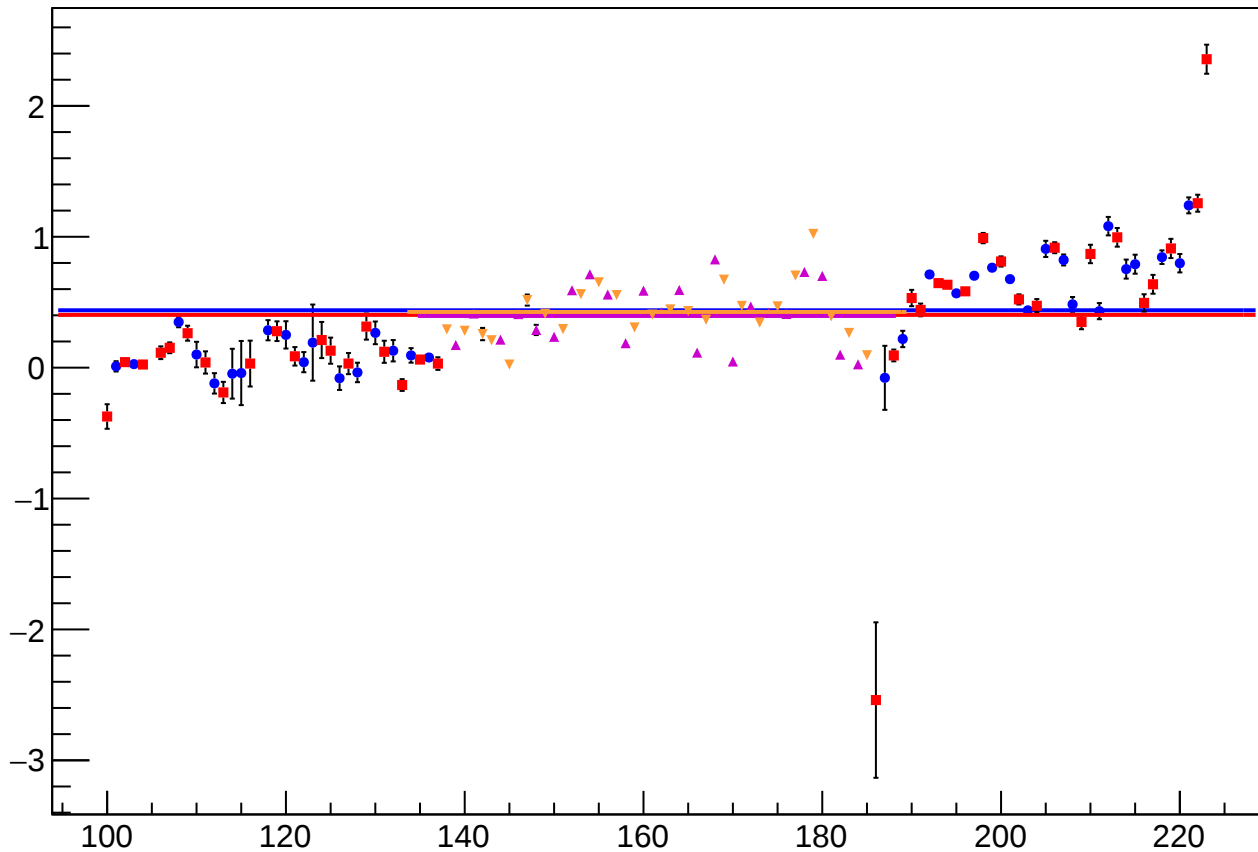
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -33.921 ± 0.101 $\chi^2/\text{NDF}: 13930.9/59$

All: -33.588 ± 0.072 $\chi^2/\text{NDF}: 31746.7/121$

- sign -33.246 ± 0.102 $\chi^2/\text{NDF}: 17793.6/61$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.438 ± 0.008 χ^2/NDF : 1675.1/34

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.403 ± 0.008 χ^2/NDF : 2266.8/38

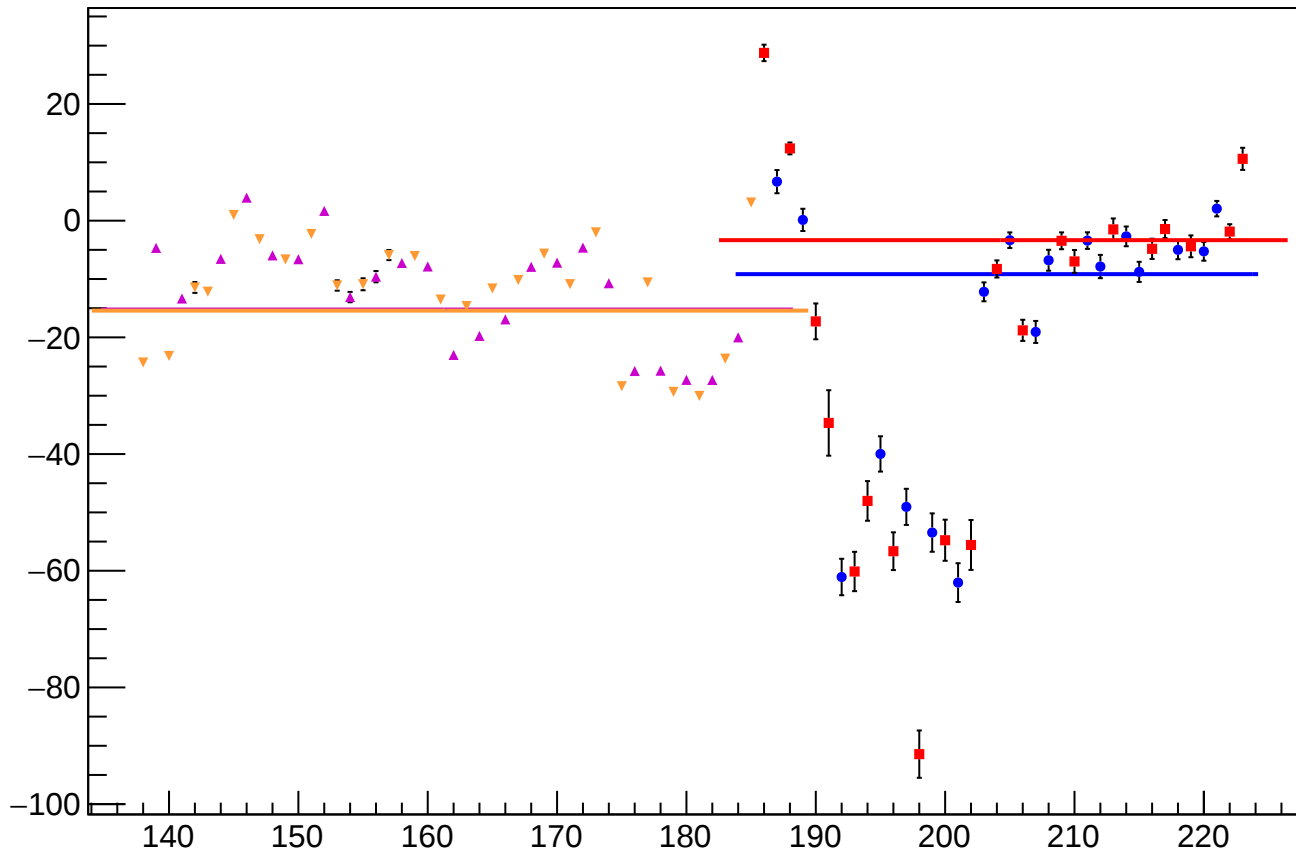
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.430 ± 0.005 χ^2/NDF : 2980.4/59

All: 0.414 ± 0.003 χ^2/NDF : 7071.3/121

- sign 0.398 ± 0.004 χ^2/NDF : 4065.7/61

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -9.165 ± 0.433 $\chi^2/\text{NDF}: 1235.8/17$

Left Out: -15.413 ± 0.105 $\chi^2/\text{NDF}: 10509.1/24$

Right Out: -3.341 ± 0.415 $\chi^2/\text{NDF}: 2520.6/19$

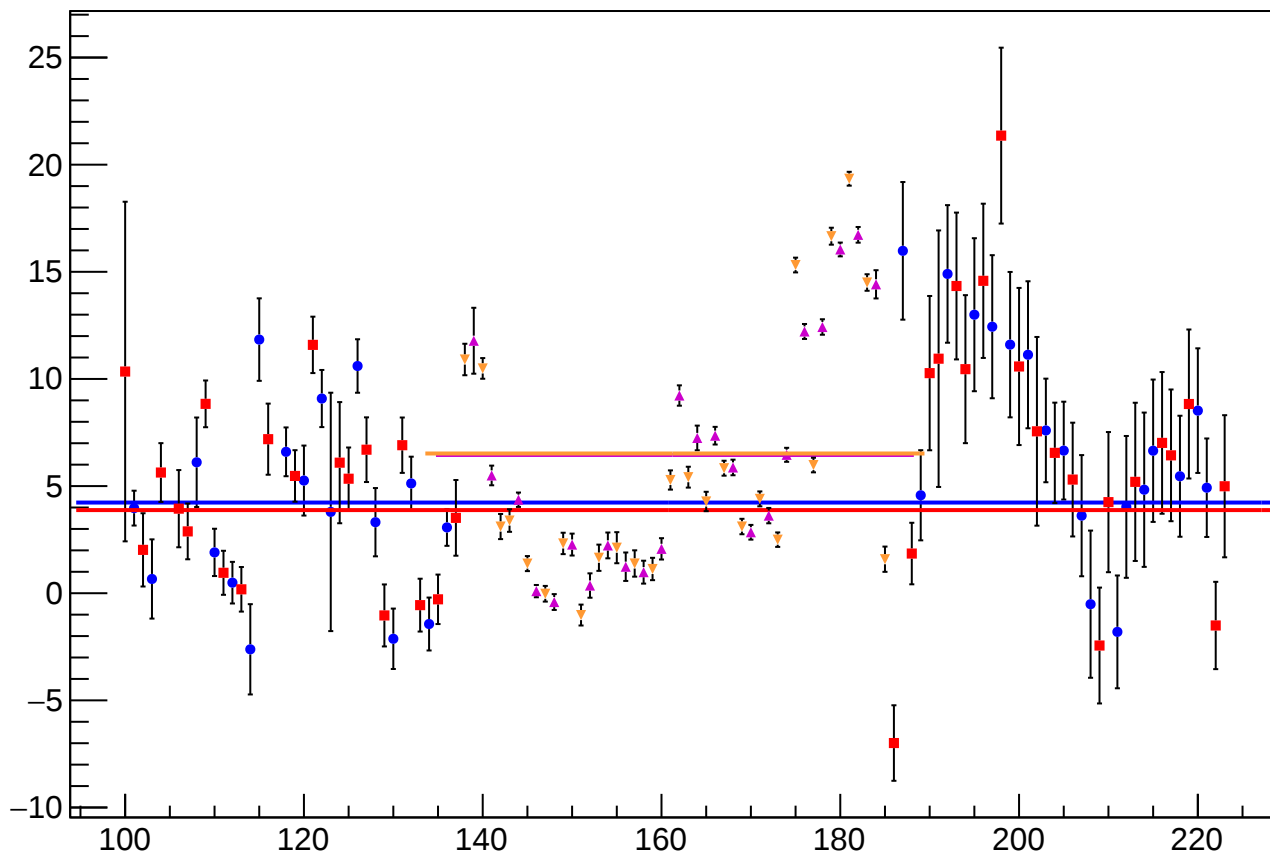
Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.064 ± 0.102 $\chi^2/\text{NDF}: 11941.7/42$

All: -14.781 ± 0.073 $\chi^2/\text{NDF}: 23905.9/85$

- sign -14.491 ± 0.103 $\chi^2/\text{NDF}: 11948.7/42$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.232 ± 0.283 χ^2/NDF : 196.8/34

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.880 ± 0.282 χ^2/NDF : 240.1/38

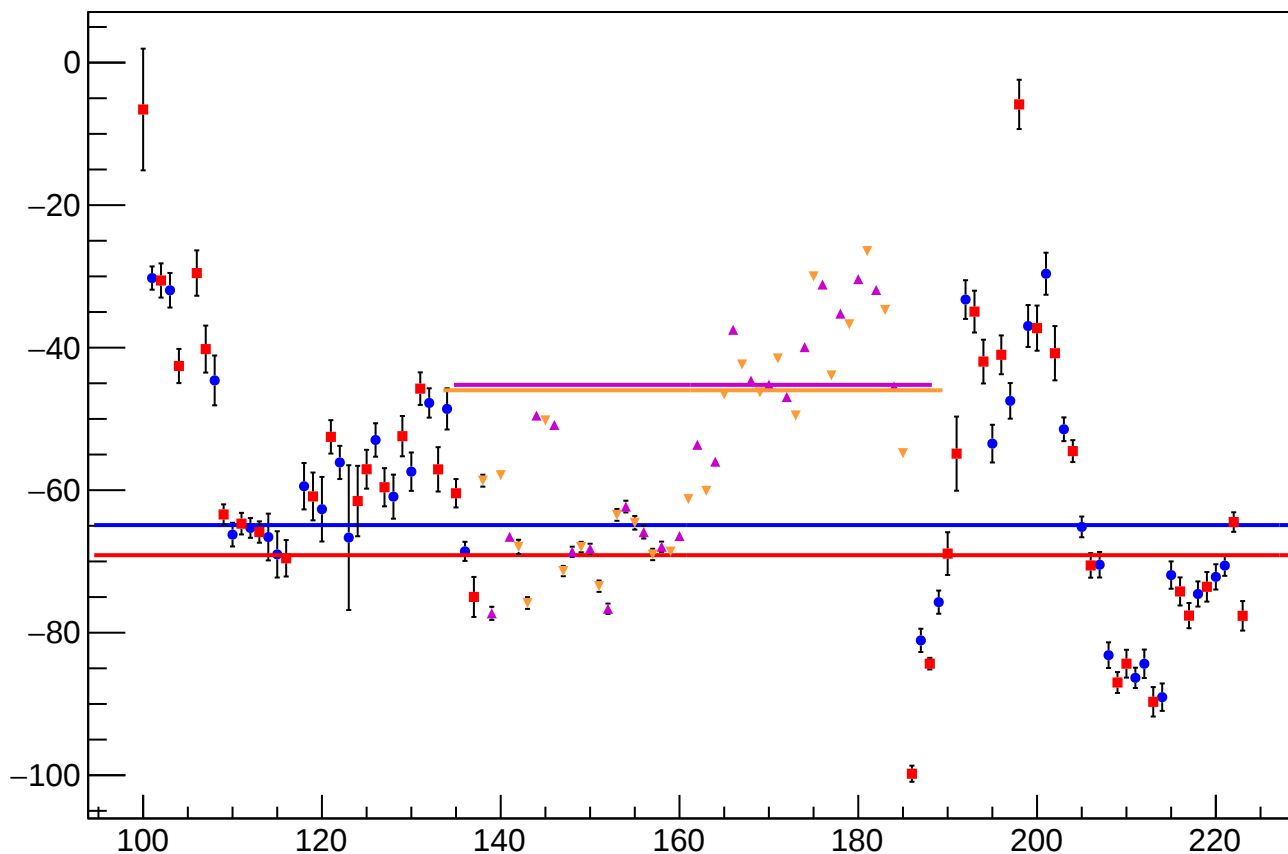
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.330 ± 0.082 χ^2/NDF : 5242.0/59

All: 6.282 ± 0.058 χ^2/NDF : 9506.9/121

- sign 6.233 ± 0.082 χ^2/NDF : 4264.2/61

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -64.899 $\pm$ 0.340 χ^2 /NDF: 2145.3/34

Left Out: -45.982 $\pm$ 0.106 χ^2 /NDF:17360.1/24

Right Out: -69.120 $\pm$ 0.319 χ^2 /NDF: 3327.1/38

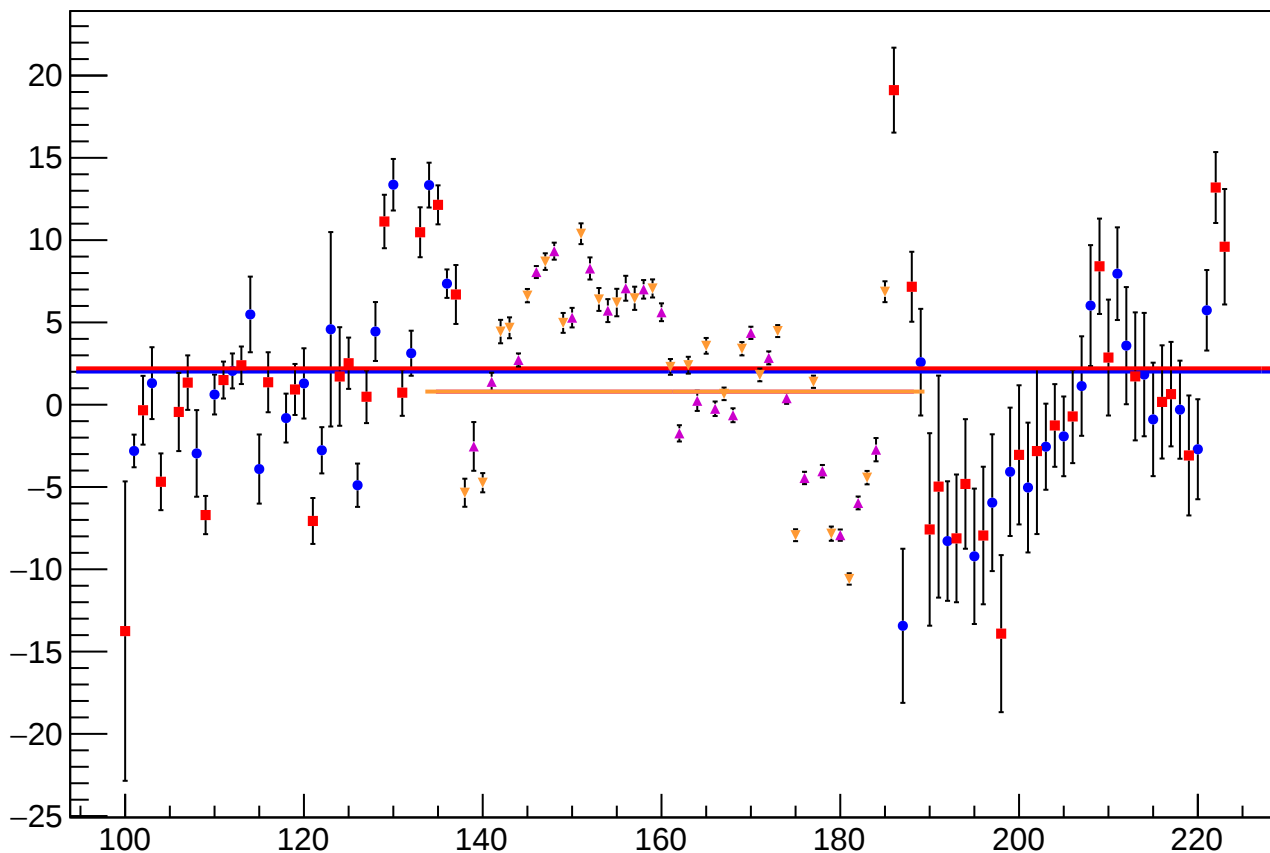
Left In: -45.222 $\pm$ 0.107 χ^2 /NDF:15600.2/22

+ sign -47.667 $\pm$ 0.101 χ^2 /NDF: 22328.4/59

All: -47.654 $\pm$ 0.072 χ^2 /NDF: 46288.5/121

- sign -47.642 $\pm$ 0.102 χ^2 /NDF: 23960.1/61

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.015 ± 0.317 χ^2/NDF : 297.6/34

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 2.209 ± 0.320 χ^2/NDF : 388.4/38

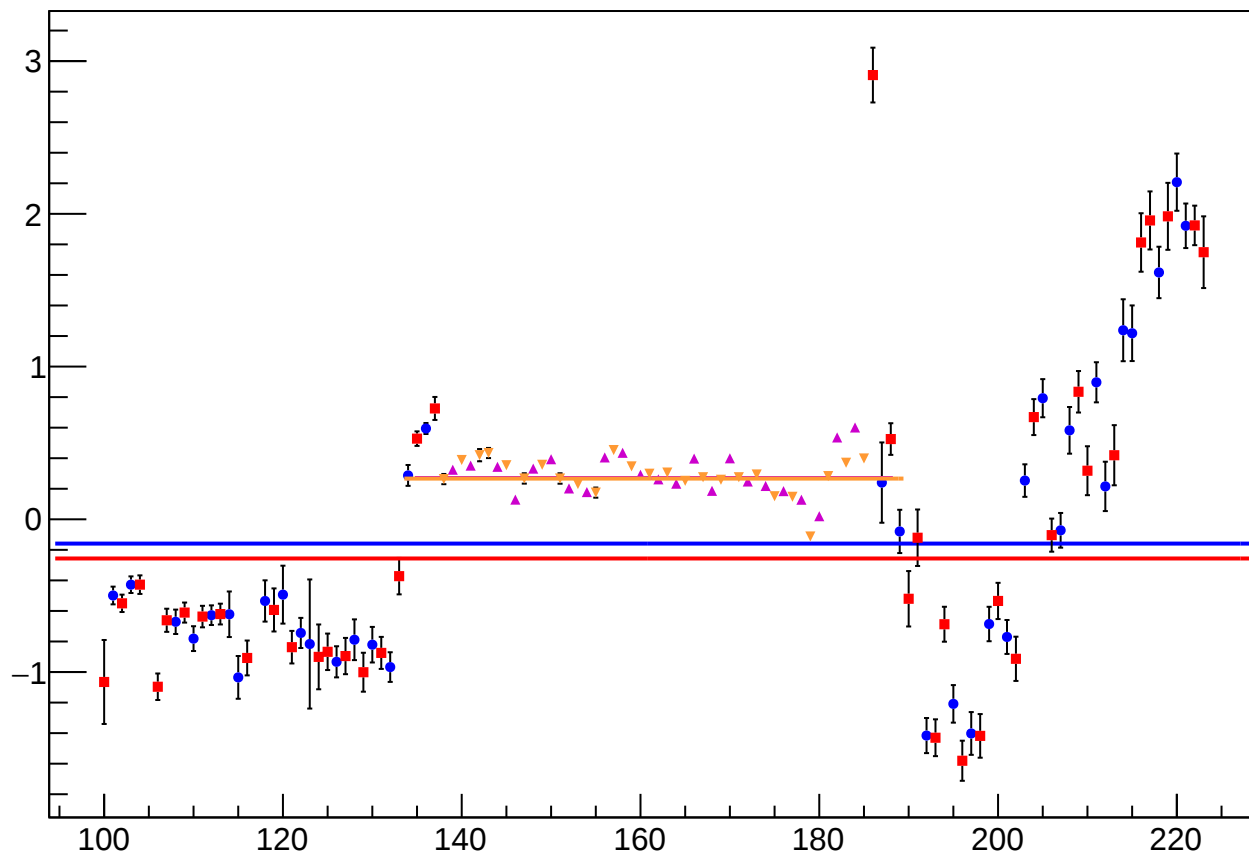
Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

+ sign 0.899 ± 0.091 χ^2/NDF : 4071.2/59

All: 0.905 ± 0.065 χ^2/NDF : 7170.1/121

- sign 0.910 ± 0.092 χ^2/NDF : 3098.9/61

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.159 ± 0.016 $\chi^2/\text{NDF}: 2044.4/34$

Left Out: 0.267 ± 0.004 $\chi^2/\text{NDF}: 699.8/24$

Right Out: -0.257 ± 0.016 $\chi^2/\text{NDF}: 2437.2/38$

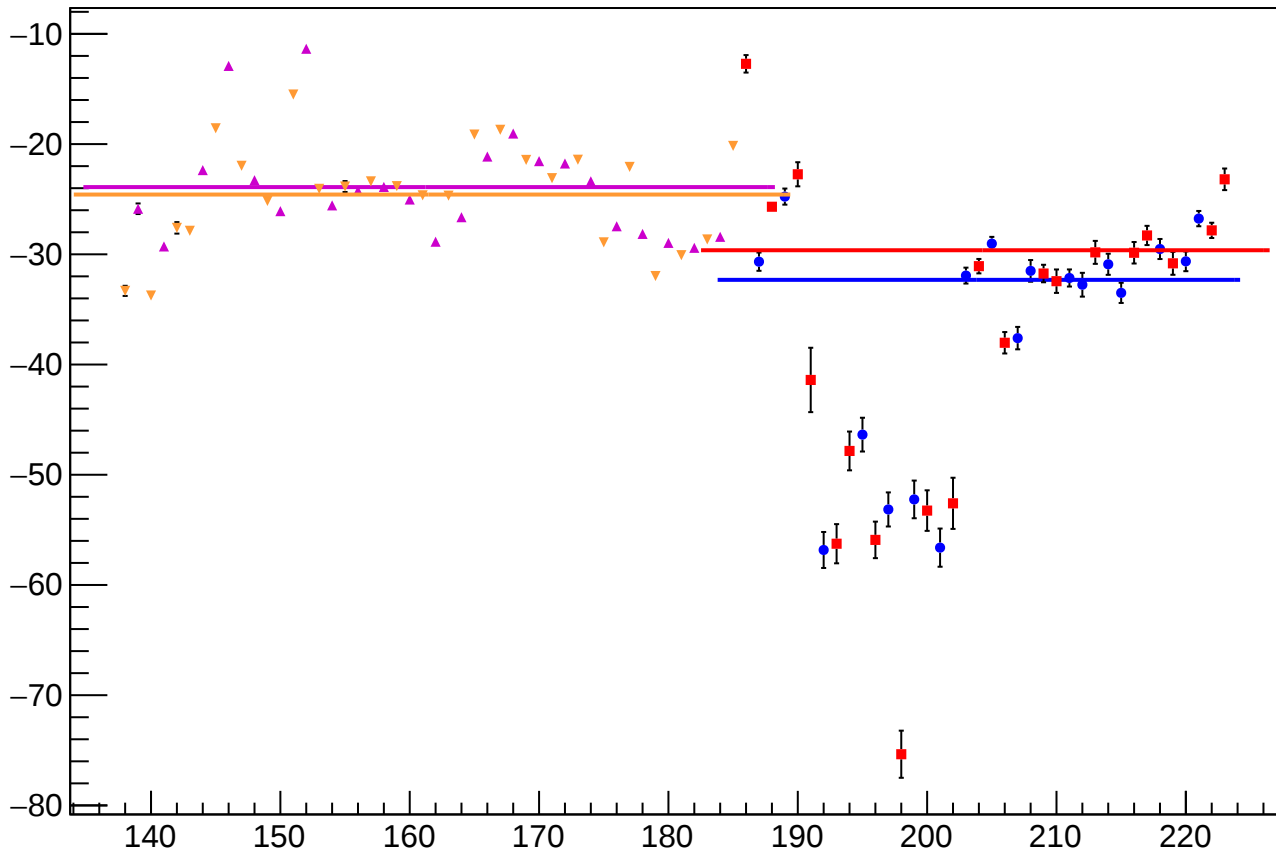
Left In: 0.270 ± 0.004 $\chi^2/\text{NDF}: 969.9/22$

+ sign 0.238 ± 0.004 $\chi^2/\text{NDF}: 3377.1/59$

All: 0.236 ± 0.003 $\chi^2/\text{NDF}: 7755.3/121$

- sign 0.234 ± 0.004 $\chi^2/\text{NDF}: 4377.7/61$

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -32.316 ± 0.218 $\chi^2/\text{NDF}: 1071.8/17$

Left Out: -24.577 ± 0.051 $\chi^2/\text{NDF}: 8590.4/24$

Right Out: -29.631 ± 0.209 $\chi^2/\text{NDF}: 2044.1/19$

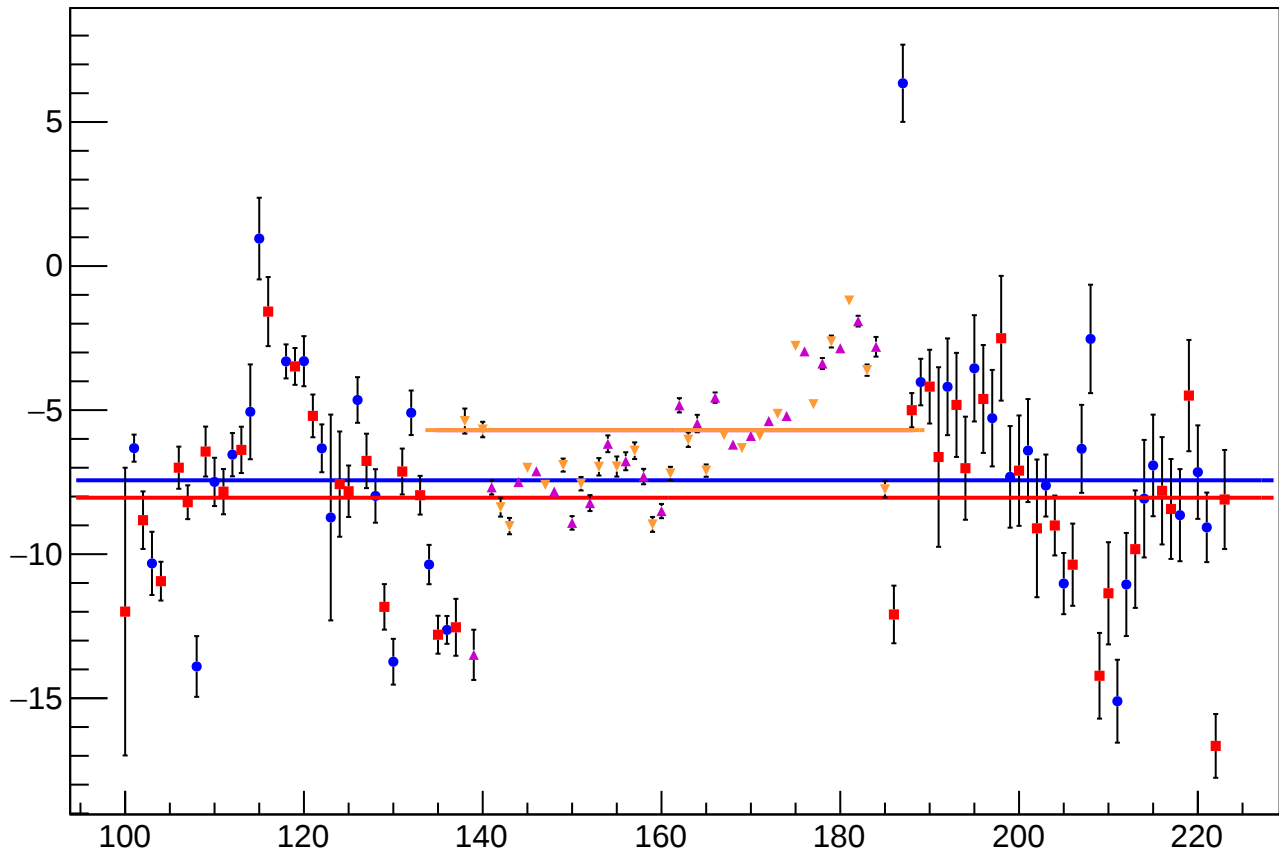
Left In: -23.901 ± 0.051 $\chi^2/\text{NDF}: 9154.9/22$

+ sign -24.980 ± 0.050 $\chi^2/\text{NDF}: 10862.3/42$

All: -24.602 ± 0.035 $\chi^2/\text{NDF}: 22885.2/85$

- sign -24.223 ± 0.050 $\chi^2/\text{NDF}: 11906.7/42$

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.436 ± 0.163 $\chi^2/\text{NDF}: 568.3/34$

Left Out: -5.694 ± 0.041 $\chi^2/\text{NDF}: 2258.3/24$

Right Out: -8.041 ± 0.159 $\chi^2/\text{NDF}: 377.9/38$

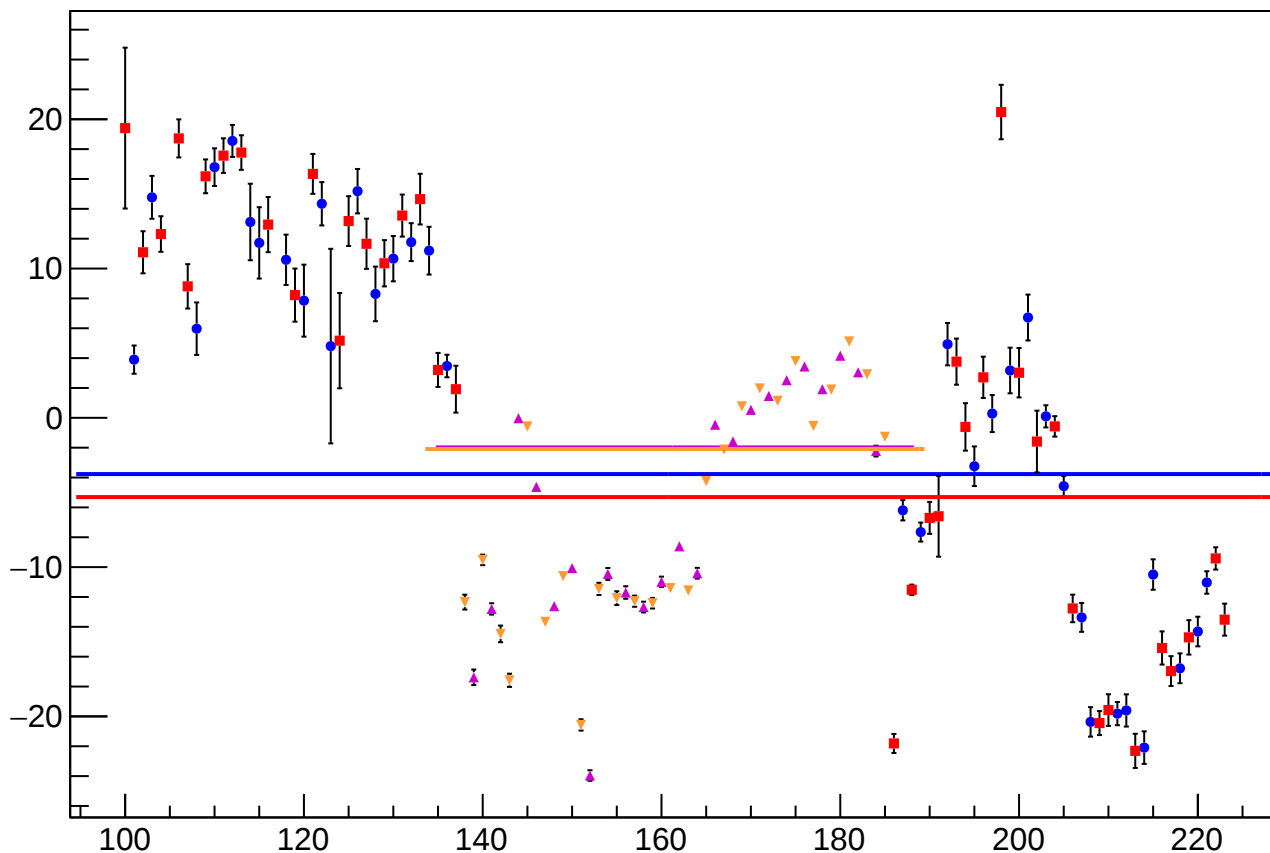
Left In: -5.696 ± 0.041 $\chi^2/\text{NDF}: 2309.8/22$

+ sign -5.798 ± 0.040 $\chi^2/\text{NDF}: 2933.5/59$

All: -5.819 ± 0.028 $\chi^2/\text{NDF}: 5825.3/121$

- sign -5.841 ± 0.039 $\chi^2/\text{NDF}: 2891.3/61$

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -3.768 ± 0.182 χ^2/NDF : 3844.2/34

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: -5.308 ± 0.170 χ^2/NDF : 5662.3/38

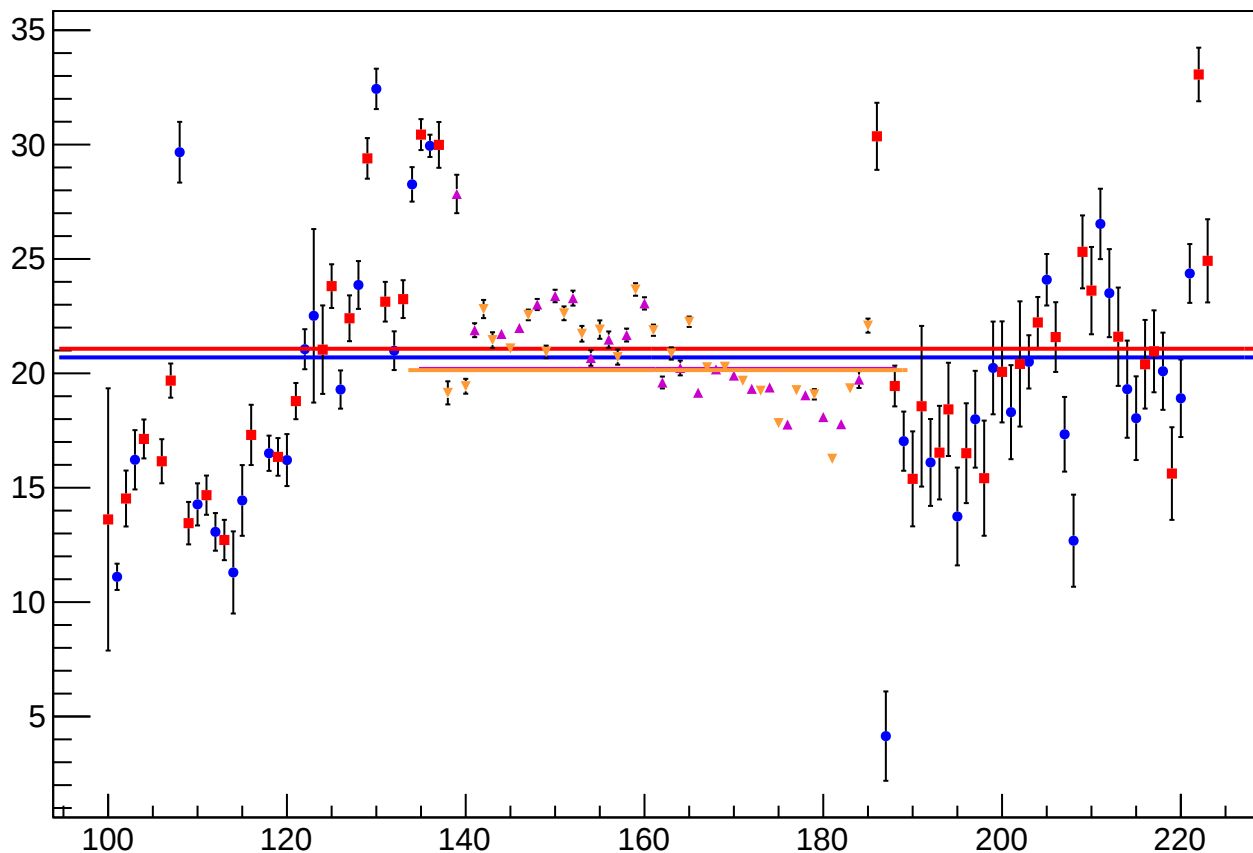
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -2.216 ± 0.049 χ^2/NDF : 20227.9/59

All: -2.238 ± 0.035 χ^2/NDF : 41626.0/121

- sign -2.259 ± 0.049 χ^2/NDF : 21397.7/61

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.697 $\pm$ 0.185 χ^2 /NDF: 1369.0/34

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF:1419.1/24

Right Out: 21.076 $\pm$ 0.185 χ^2 /NDF: 919.7/38

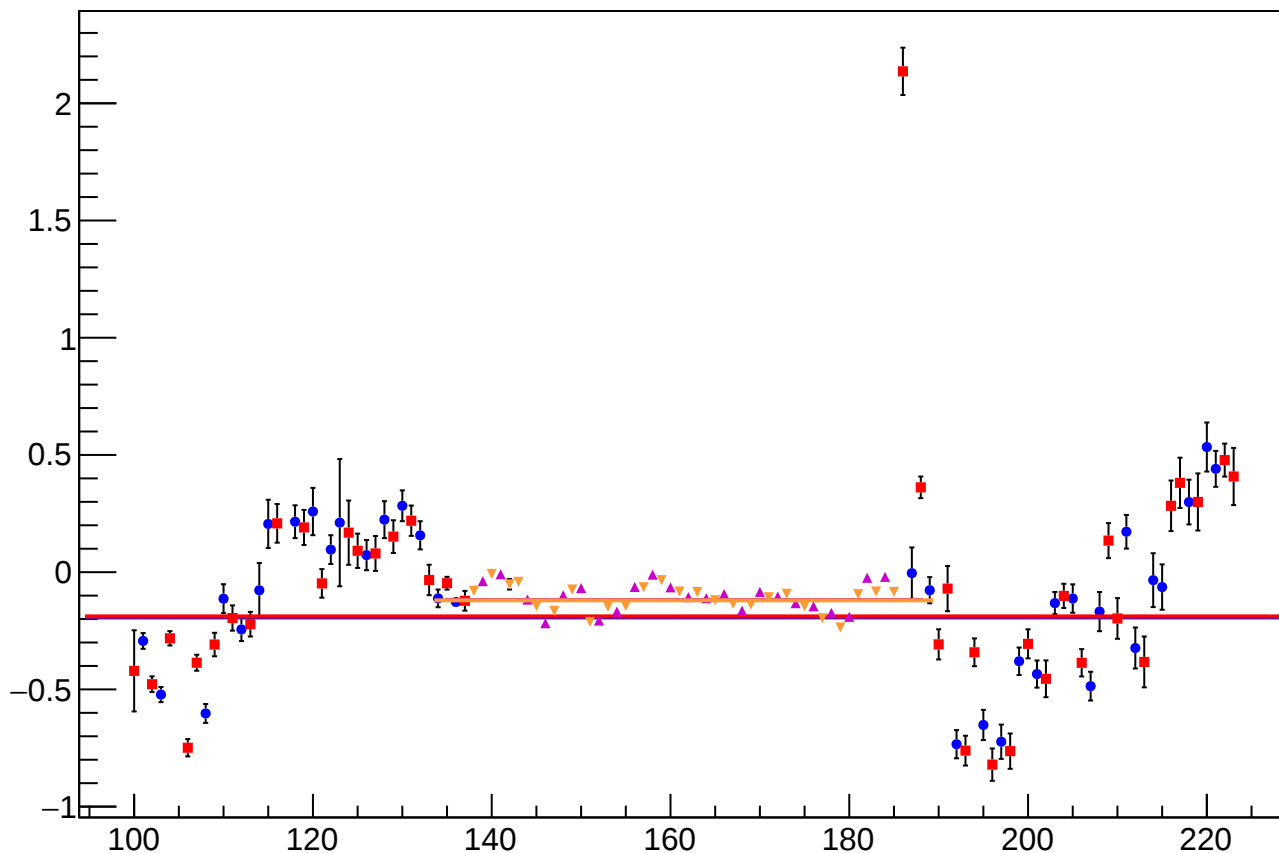
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF:1447.4/22

+ sign 20.173 $\pm$ 0.045 χ^2 /NDF: 2796.6/59

All: 20.209 $\pm$ 0.032 χ^2 /NDF: 5186.4/121

- sign 20.245 $\pm$ 0.045 χ^2 /NDF: 2388.4/61

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.193 ± 0.009 χ^2/NDF : 881.8/34

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.189 ± 0.009 χ^2/NDF : 1679.7/38

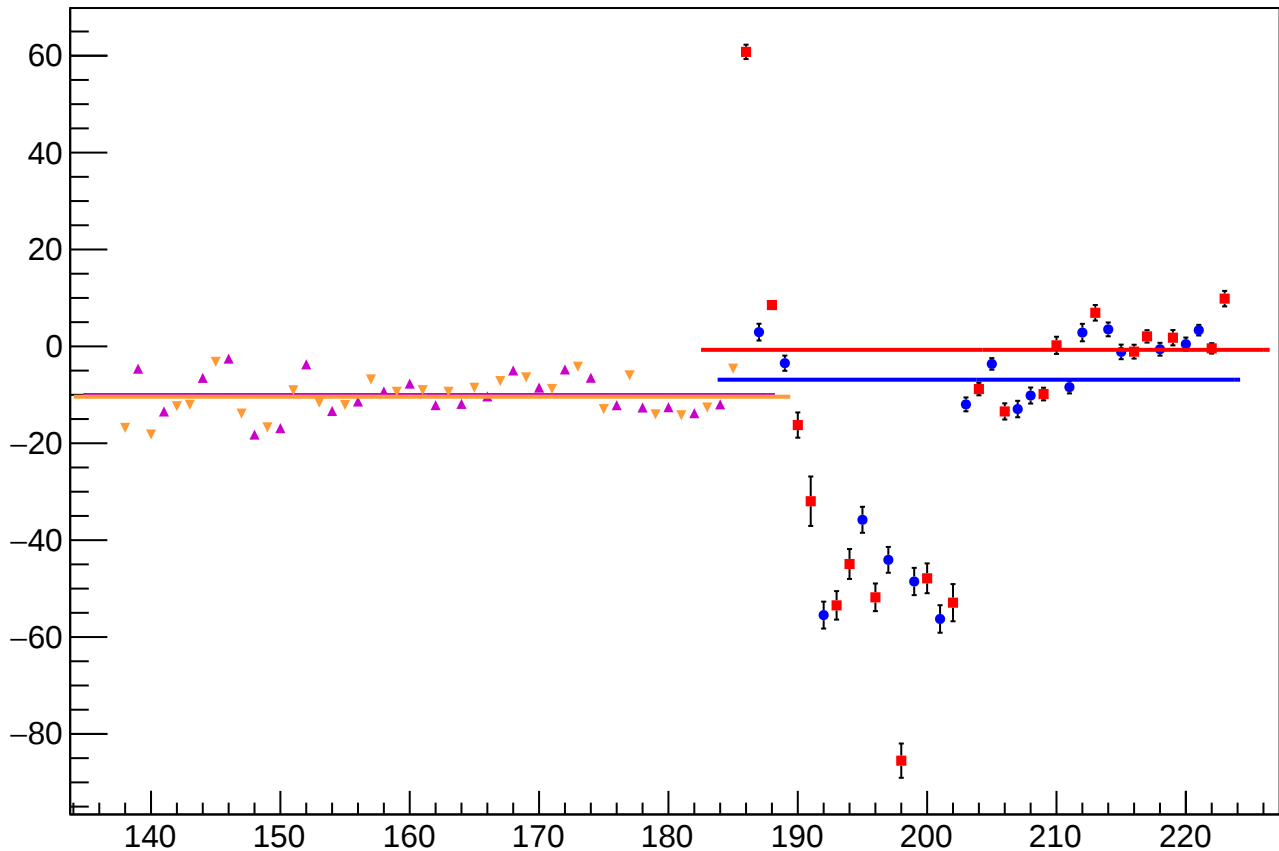
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.124 ± 0.002 χ^2/NDF : 1470.8/59

All: -0.123 ± 0.001 χ^2/NDF : 3929.0/121

- sign -0.122 ± 0.002 χ^2/NDF : 2458.0/61

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -6.876 ± 0.376 $\chi^2/\text{NDF}: 1448.9/17$

Left Out: -10.391 ± 0.088 $\chi^2/\text{NDF}: 2111.6/24$

Right Out: -0.712 ± 0.363 $\chi^2/\text{NDF}: 3961.0/19$

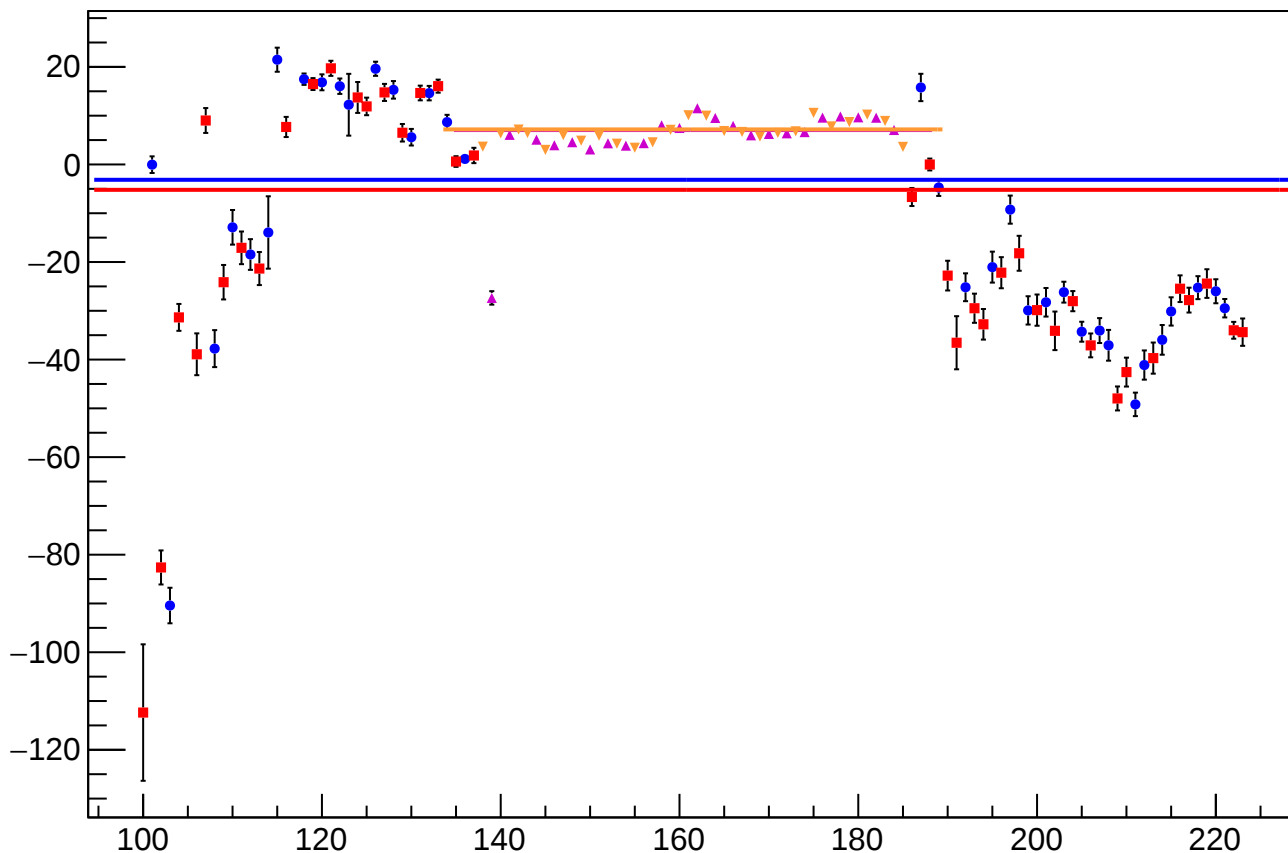
Left In: -10.036 ± 0.090 $\chi^2/\text{NDF}: 1758.7/22$

+ sign -10.209 ± 0.086 $\chi^2/\text{NDF}: 3643.2/42$

All: -9.861 ± 0.061 $\chi^2/\text{NDF}: 10018.0/85$

- sign -9.502 ± 0.087 $\chi^2/\text{NDF}: 6341.1/42$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -3.143 ± 0.335 $\chi^2/\text{NDF}: 4031.9/34$

Left Out: 7.184 ± 0.073 $\chi^2/\text{NDF}: 917.3/24$

Right Out: -5.203 ± 0.341 $\chi^2/\text{NDF}: 3999.8/38$

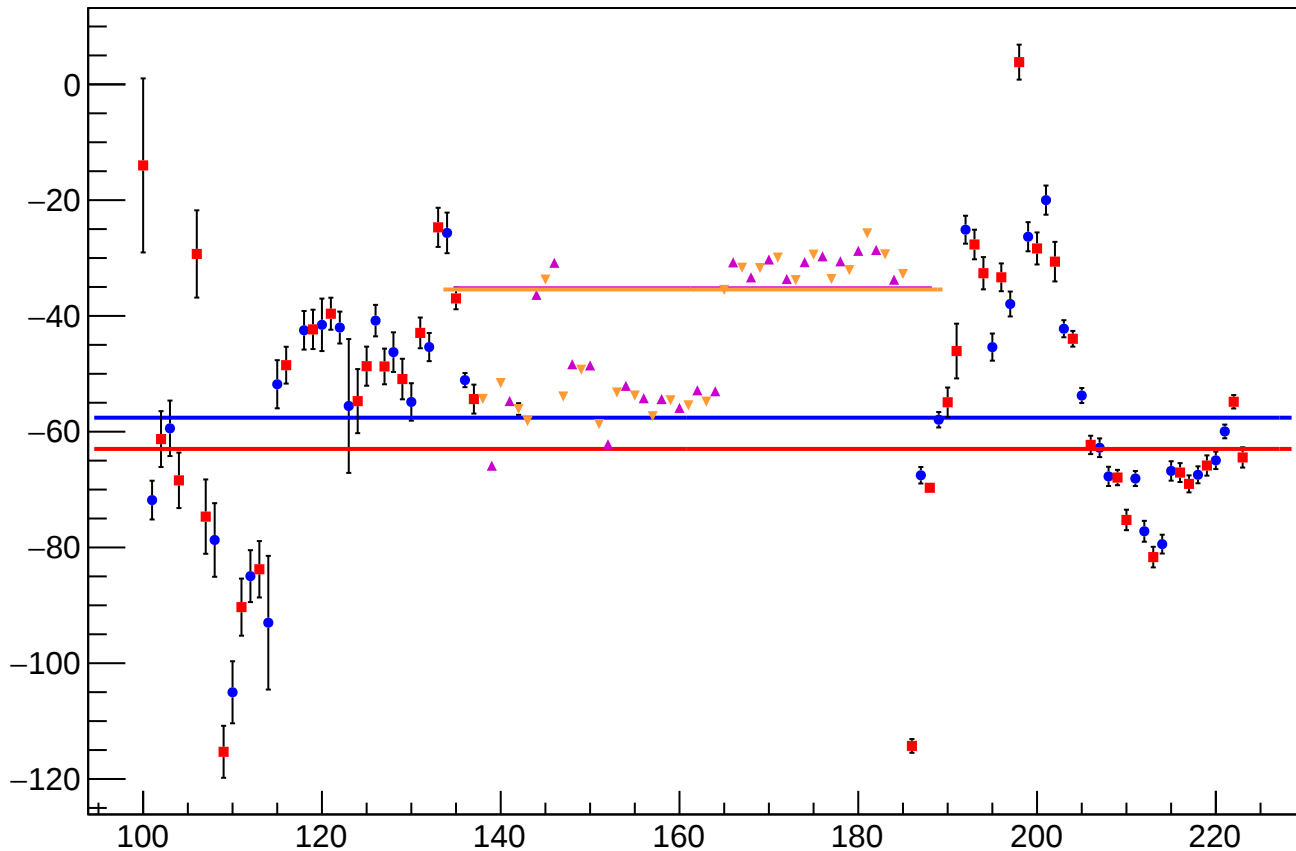
Left In: 7.053 ± 0.074 $\chi^2/\text{NDF}: 1535.8/22$

+ sign 6.710 ± 0.072 $\chi^2/\text{NDF}: 5856.7/59$

All: 6.605 ± 0.051 $\chi^2/\text{NDF}: 12629.2/121$

- sign 6.499 ± 0.073 $\chi^2/\text{NDF}: 6768.2/61$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -57.584 ± 0.337 χ^2/NDF : 1756.3/34

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -62.977 ± 0.321 χ^2/NDF : 4415.9/38

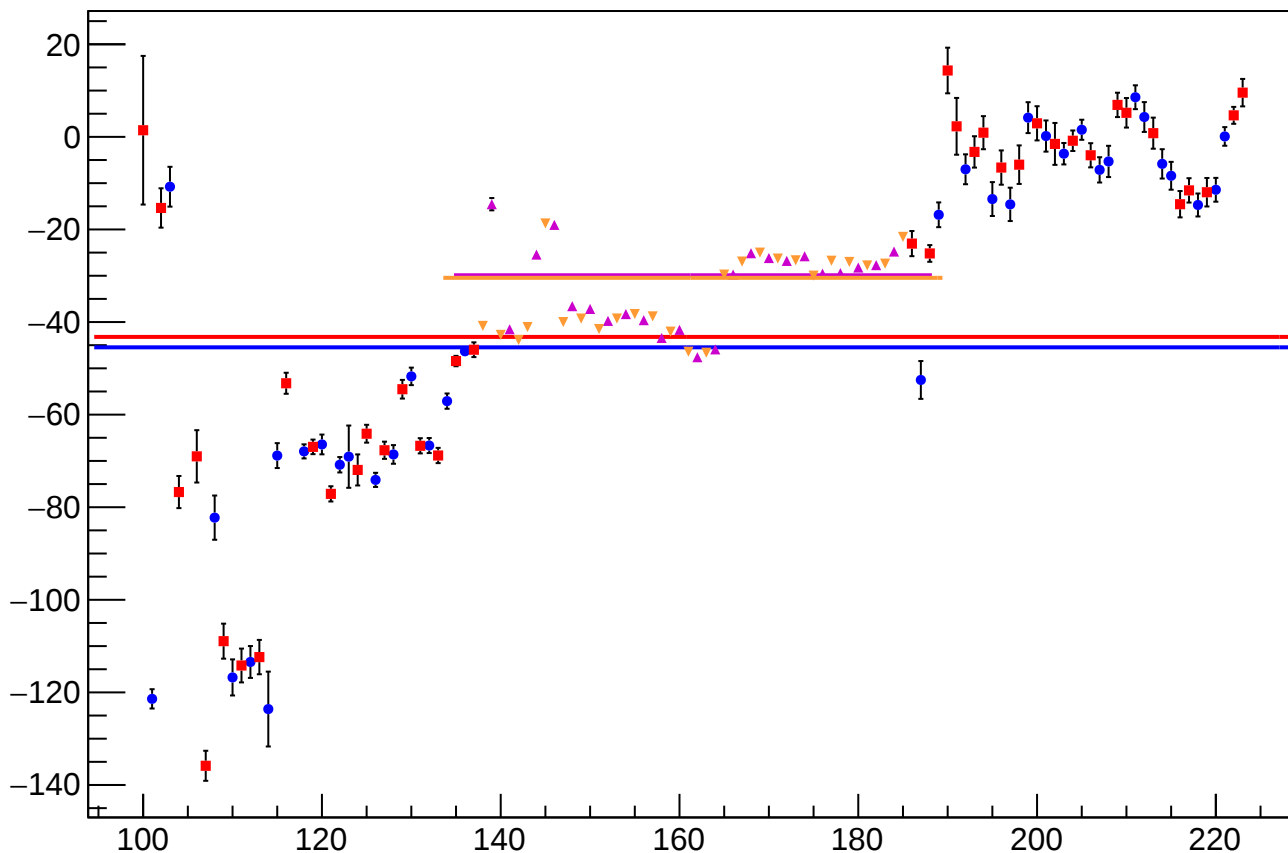
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -36.878 ± 0.086 χ^2/NDF : 18575.0/59

All: -37.066 ± 0.061 χ^2/NDF : 41535.8/121

- sign -37.257 ± 0.087 χ^2/NDF : 22951.1/61

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -45.462 ± 0.372 $\chi^2/\text{NDF}: 7397.3/34$

Left Out: -30.448 ± 0.082 $\chi^2/\text{NDF}: 8167.7/24$

Right Out: -43.211 ± 0.387 $\chi^2/\text{NDF}: 7312.0/38$

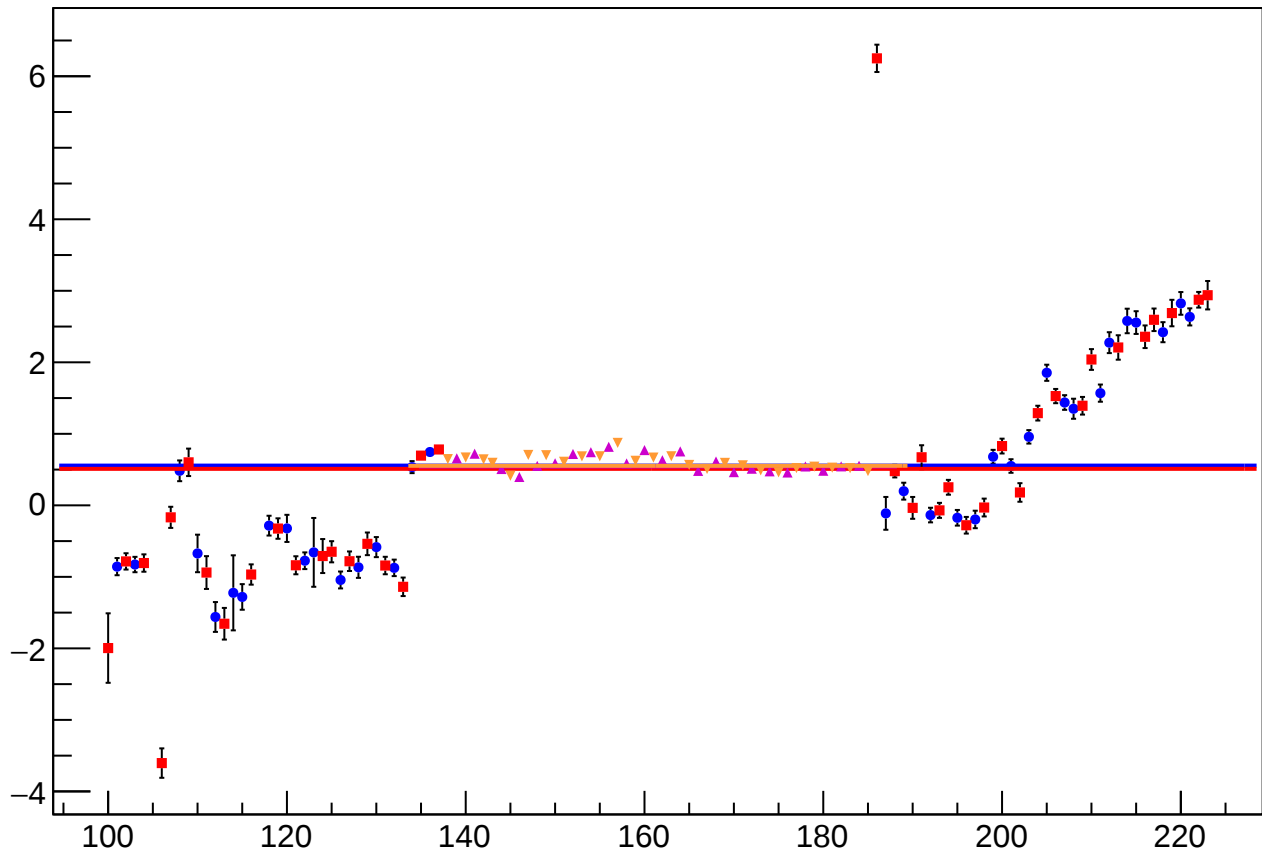
Left In: -29.892 ± 0.083 $\chi^2/\text{NDF}: 7115.0/22$

+ sign -31.135 ± 0.080 $\chi^2/\text{NDF}: 17118.1/59$

All: -30.808 ± 0.057 $\chi^2/\text{NDF}: 32711.1/121$

- sign -30.472 ± 0.081 $\chi^2/\text{NDF}: 15558.7/61$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.556 $\pm$ 0.018 χ^2 /NDF: 2863.7/34

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.1/24

Right Out: 0.510 $\pm$ 0.019 χ^2 /NDF: 4145.7/38

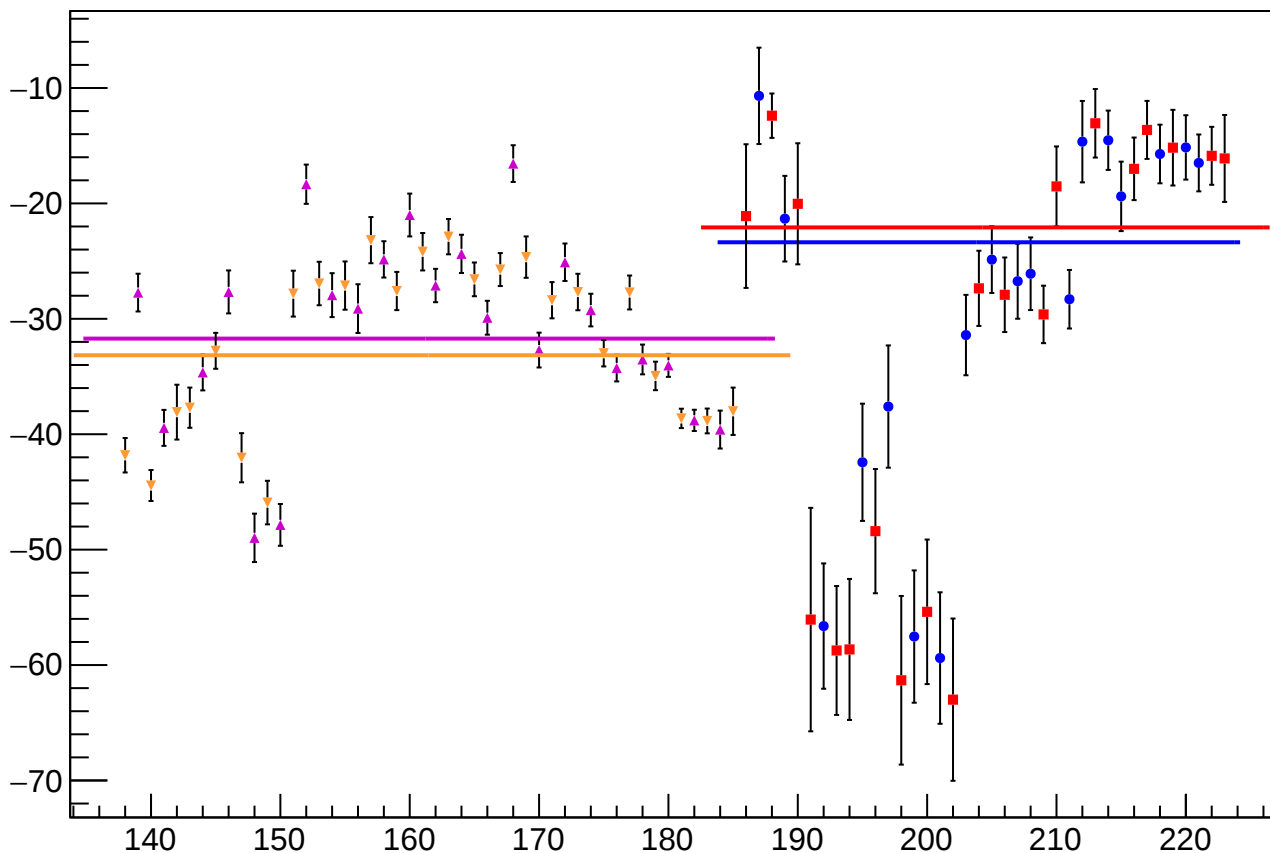
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF:655.9/22

+ sign 0.553 $\pm$ 0.004 χ^2 /NDF: 3405.8/59

All: 0.548 $\pm$ 0.003 χ^2 /NDF: 8214.3/121

- sign 0.542 $\pm$ 0.004 χ^2 /NDF: 4804.5/61

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -23.368 ± 0.780 χ^2/NDF : 200.3/17

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -22.080 ± 0.775 χ^2/NDF : 284.9/19

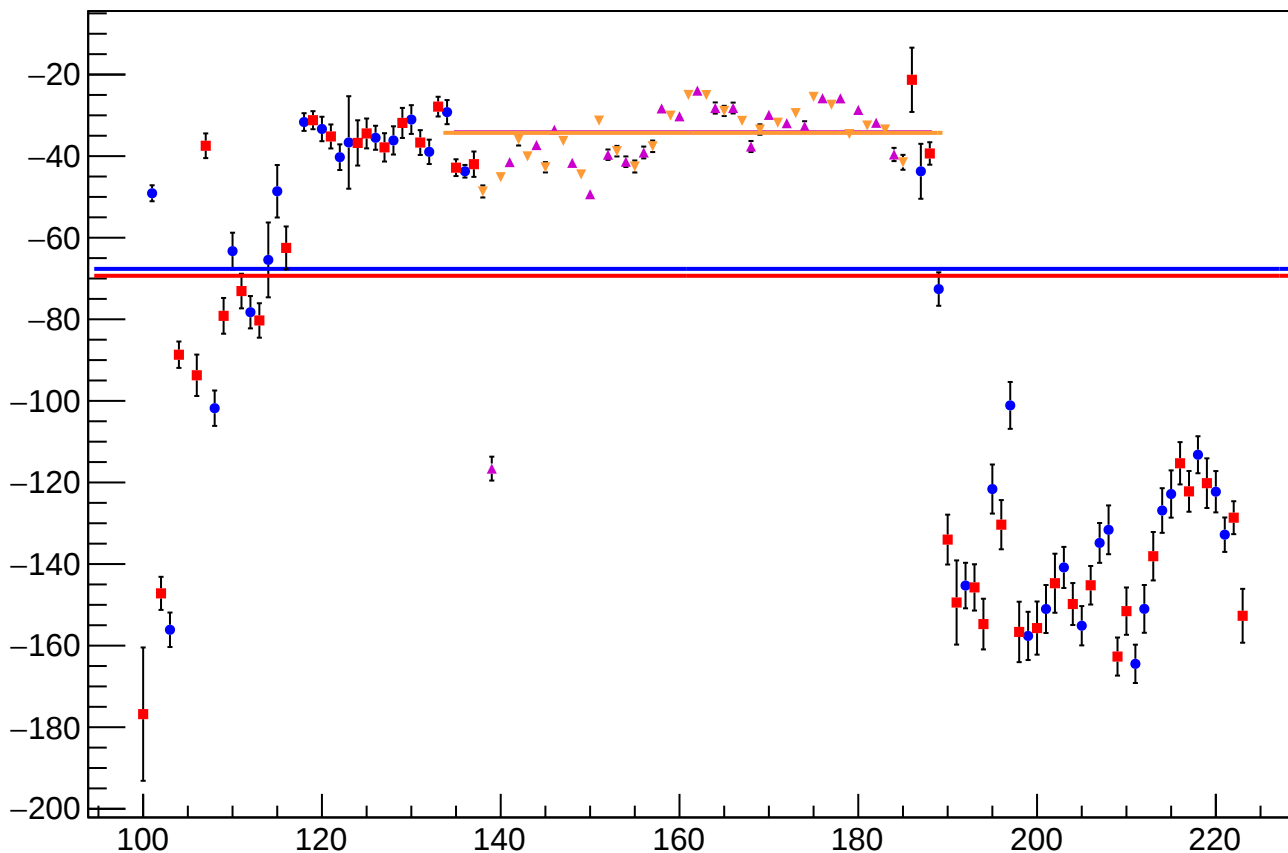
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -31.894 ± 0.280 χ^2/NDF : 837.5/42

All: -31.161 ± 0.200 χ^2/NDF : 1812.1/85

- sign -30.393 ± 0.287 χ^2/NDF : 960.5/42

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -67.638 ± 0.628 $\chi^2/\text{NDF}: 4796.4/34$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -69.333 ± 0.643 $\chi^2/\text{NDF}: 5088.2/38$

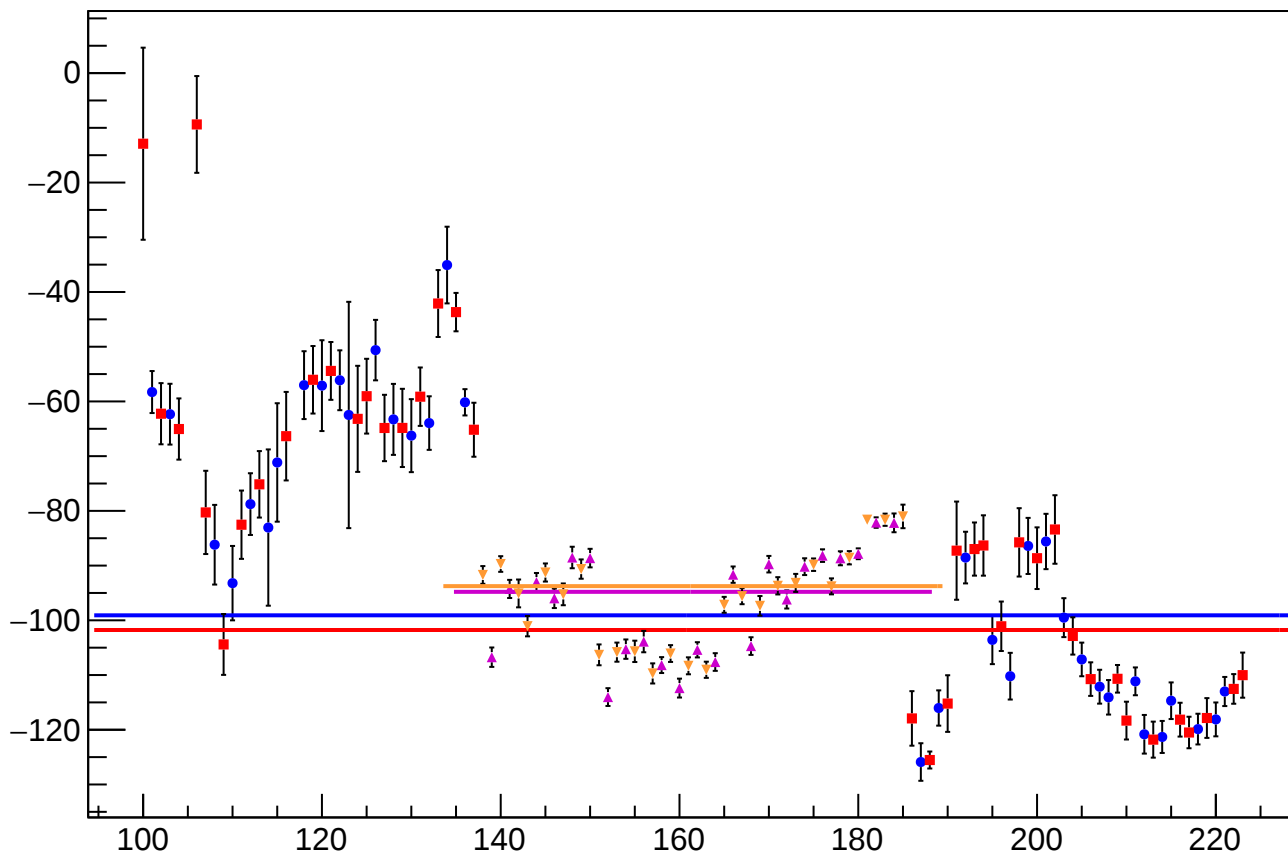
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -38.585 ± 0.225 $\chi^2/\text{NDF}: 7950.0/59$

All: -38.682 ± 0.162 $\chi^2/\text{NDF}: 17087.8/121$

- sign -38.787 ± 0.234 $\chi^2/\text{NDF}: 9137.4/61$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -99.087 ± 0.676 $\chi^2/\text{NDF}: 1269.2/34$

Left Out: -93.754 ± 0.302 $\chi^2/\text{NDF}: 883.1/24$

Right Out: -101.770 ± 0.666 $\chi^2/\text{NDF}: 1509.6/38$

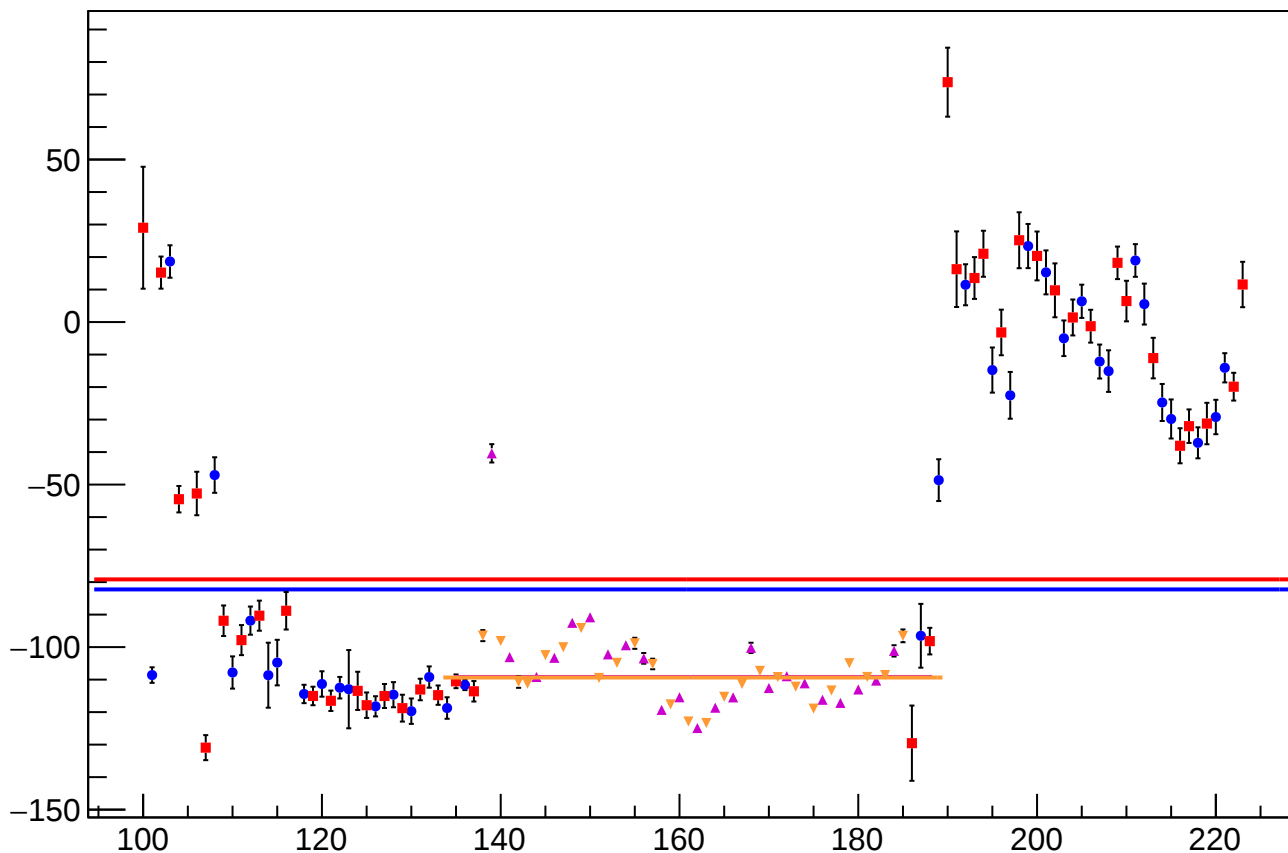
Left In: -94.796 ± 0.308 $\chi^2/\text{NDF}: 974.7/22$

+ sign -94.640 ± 0.276 $\chi^2/\text{NDF}: 2204.2/59$

All: -95.324 ± 0.196 $\chi^2/\text{NDF}: 4791.4/121$

- sign -96.029 ± 0.280 $\chi^2/\text{NDF}: 2574.7/61$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -82.252 ± 0.703 χ^2/NDF : 4585.7/34

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -79.166 ± 0.731 χ^2/NDF : 4845.9/38

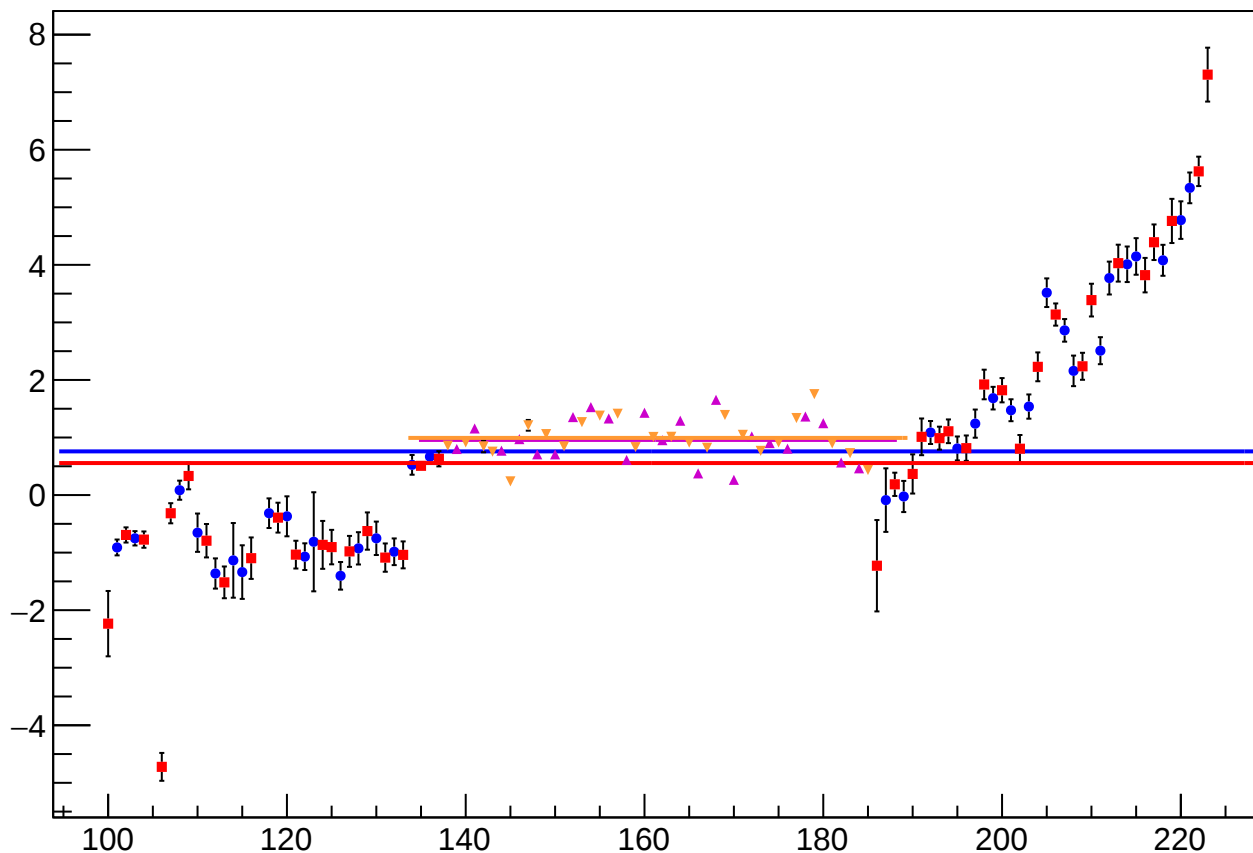
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -105.842 ± 0.253 χ^2/NDF : 6705.1/59

All: -105.601 ± 0.182 χ^2/NDF : 14525.6/121

- sign -105.343 ± 0.261 χ^2/NDF : 7818.7/61

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.759 ± 0.034 χ^2/NDF : 2042.6/34

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: 0.556 ± 0.035 χ^2/NDF : 2606.8/38

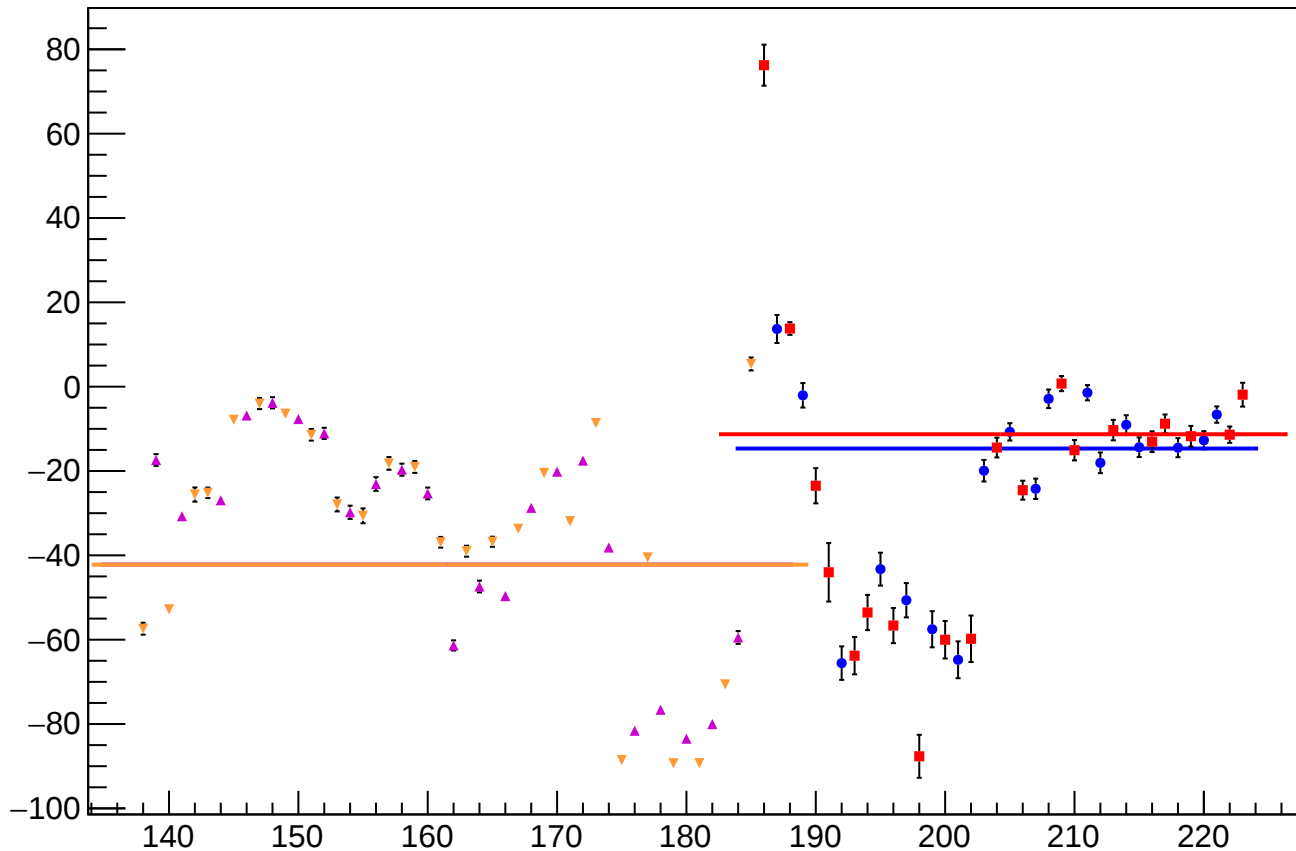
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.966 ± 0.012 χ^2/NDF : 2722.9/59

All: 0.939 ± 0.008 χ^2/NDF : 6351.3/121

- sign 0.911 ± 0.012 χ^2/NDF : 3617.8/61

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -14.669 ± 0.598 χ^2/NDF : 750.4/17

Left Out: -42.213 ± 0.222 χ^2/NDF : 18309.1/24

Right Out: -11.284 ± 0.597 χ^2/NDF : 1511.0/19

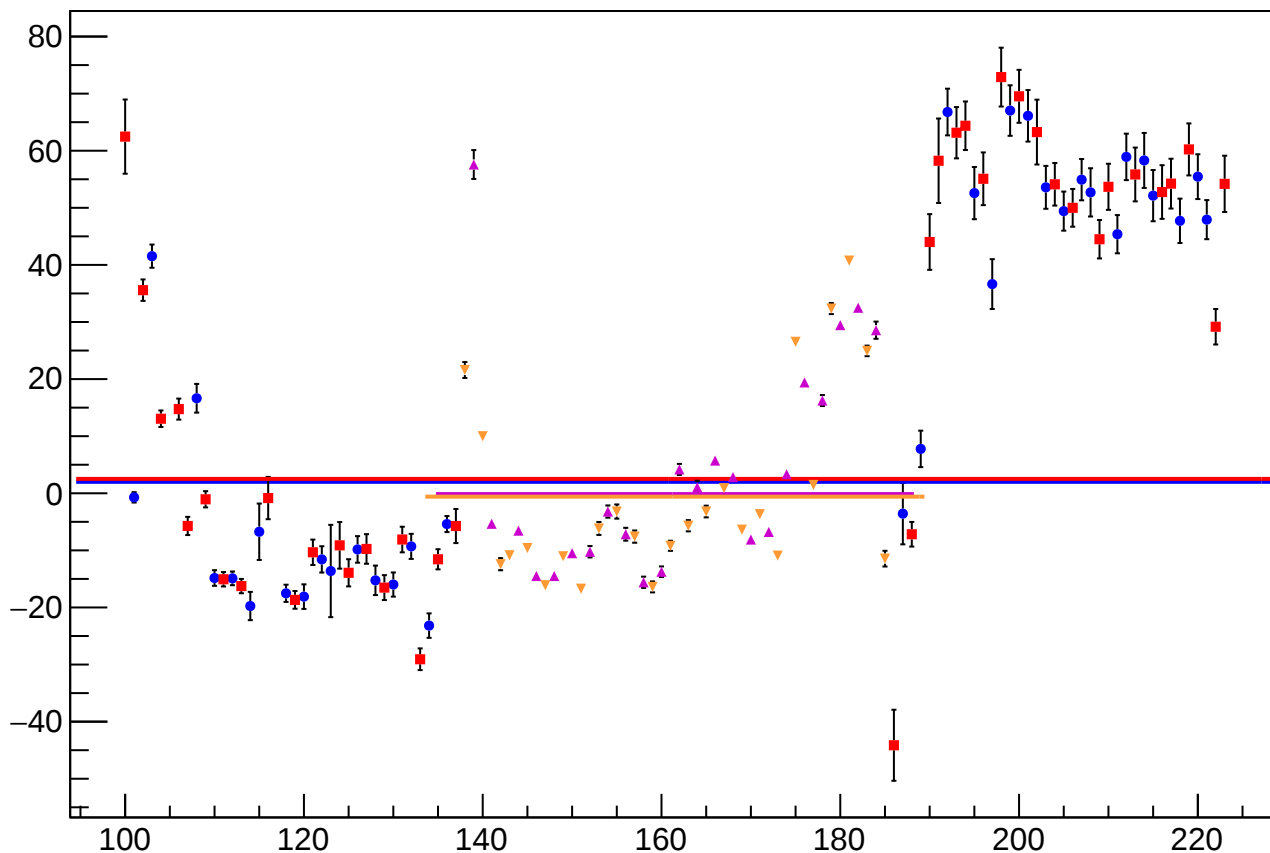
Left In: -42.176 ± 0.227 χ^2/NDF : 14575.9/22

+ sign -38.872 ± 0.208 χ^2/NDF : 20926.3/42

All: -38.575 ± 0.149 χ^2/NDF : 39359.9/85

- sign -38.266 ± 0.212 χ^2/NDF : 18429.4/42

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 2.010 ± 0.391 $\chi^2/\text{NDF}: 4205.5/34$

Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$

Right Out: 2.520 ± 0.388 $\chi^2/\text{NDF}: 4367.4/38$

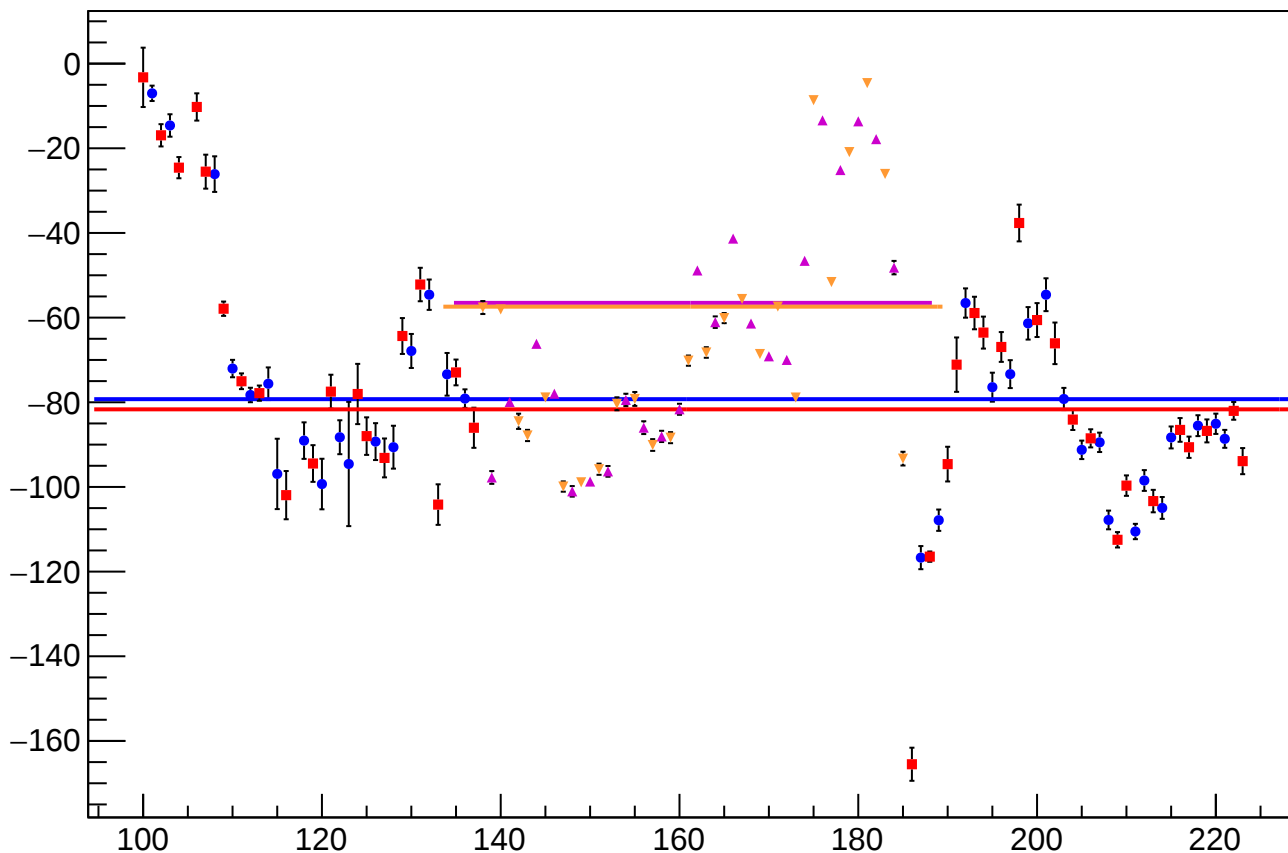
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -0.160 ± 0.159 $\chi^2/\text{NDF}: 12993.3/59$

All: 0.078 ± 0.114 $\chi^2/\text{NDF}: 24266.4/121$

- sign 0.326 ± 0.163 $\chi^2/\text{NDF}: 11268.6/61$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -79.264 ± 0.468 χ^2/NDF : 3590.3/34

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -81.669 ± 0.449 χ^2/NDF : 4248.0/38

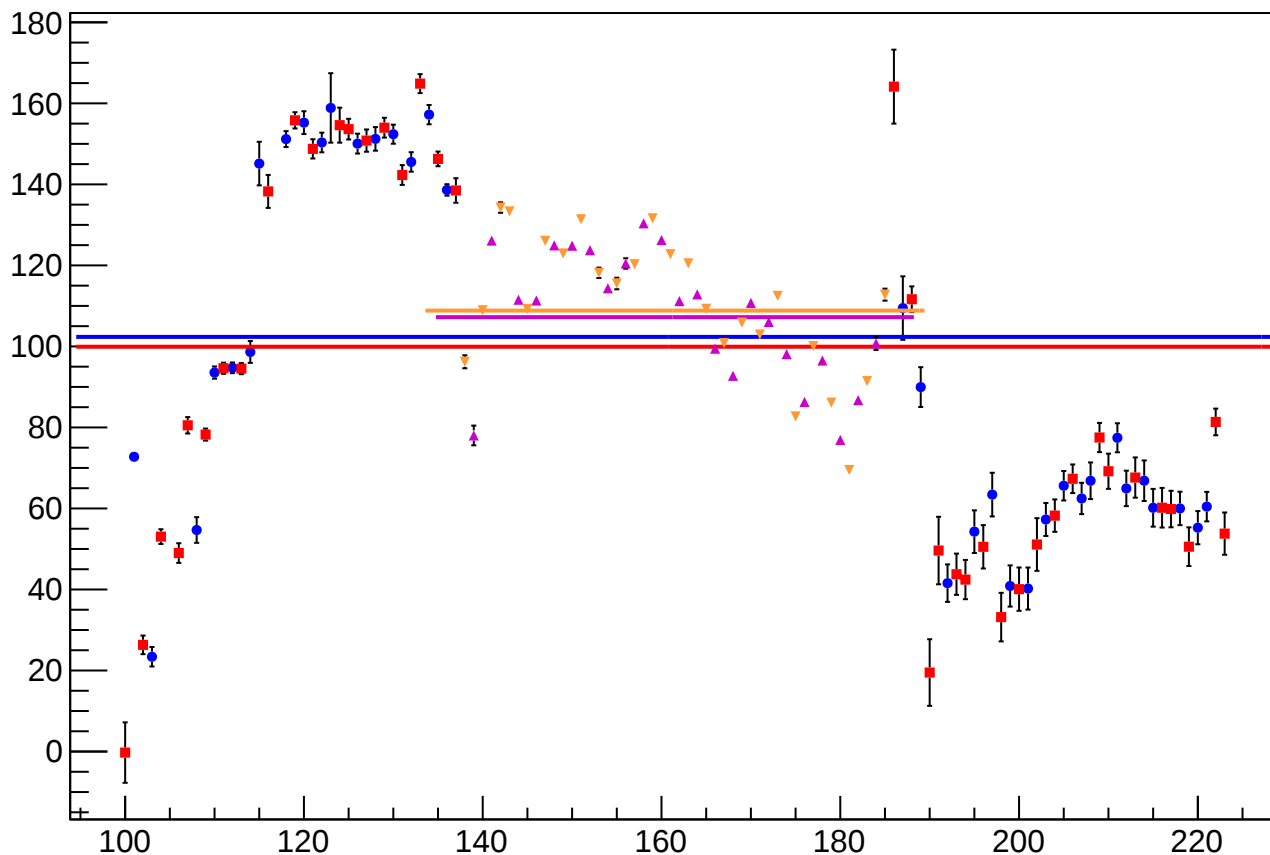
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -61.460 ± 0.201 χ^2/NDF : 23969.1/59

All: -61.552 ± 0.143 χ^2/NDF : 47071.0/121

- sign -61.645 ± 0.203 χ^2/NDF : 23101.4/61

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 102.353 $\pm$ 0.444 χ^2 /NDF: 7806.6/34

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 99.927 $\pm$ 0.442 χ^2 /NDF: 8800.6/38

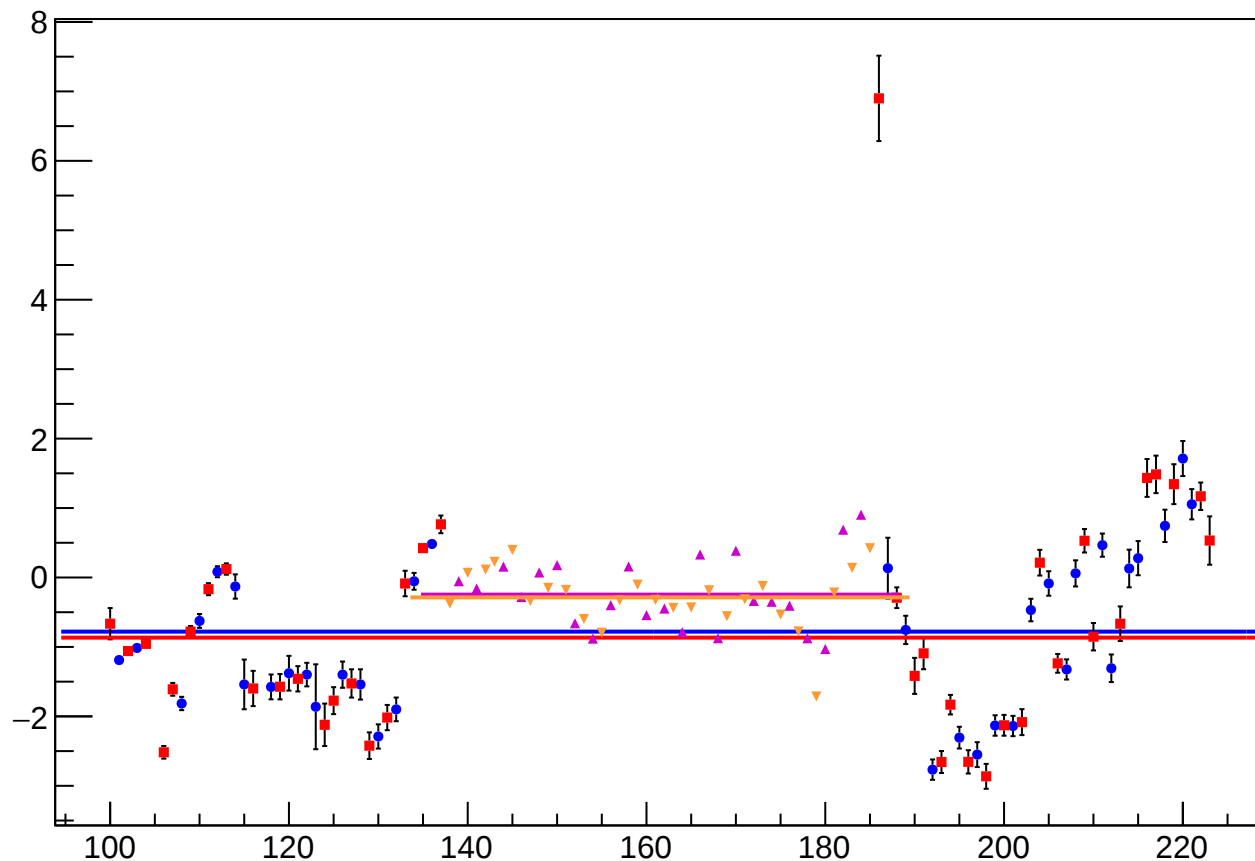
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 107.774 $\pm$ 0.180 χ^2 /NDF: 15385.6/59

All: 106.886 $\pm$ 0.129 χ^2 /NDF: 30026.3/121

- sign 105.961 $\pm$ 0.184 χ^2 /NDF: 14591.1/61

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.780 ± 0.022 χ^2/NDF : 1909.4/34

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.866 ± 0.021 χ^2/NDF : 2451.5/38

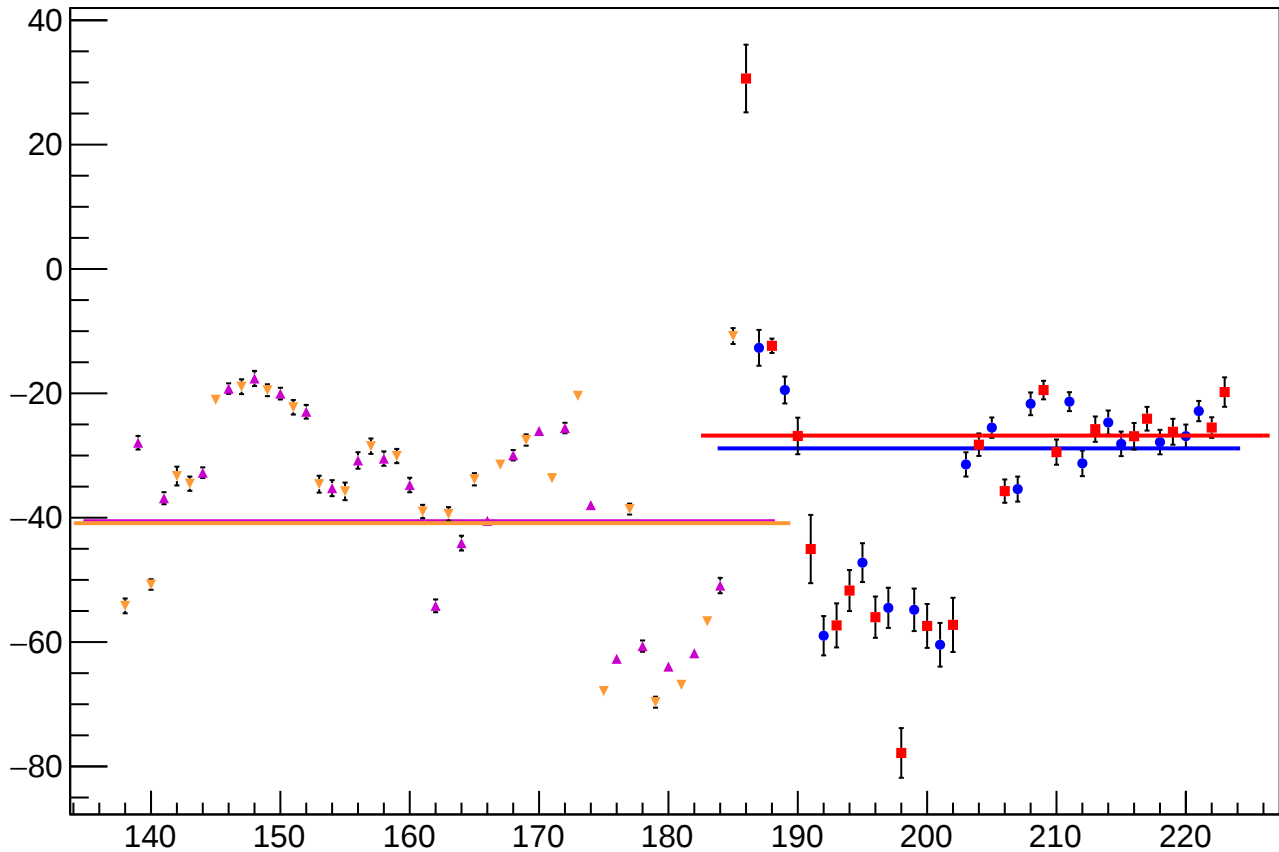
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.357 ± 0.008 χ^2/NDF : 4384.6/59

All: -0.352 ± 0.006 χ^2/NDF : 10347.3/121

- sign -0.346 ± 0.008 χ^2/NDF : 5961.8/61

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -28.850 ± 0.494 χ^2/NDF : 454.4/17

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -26.791 ± 0.489 χ^2/NDF : 835.3/19

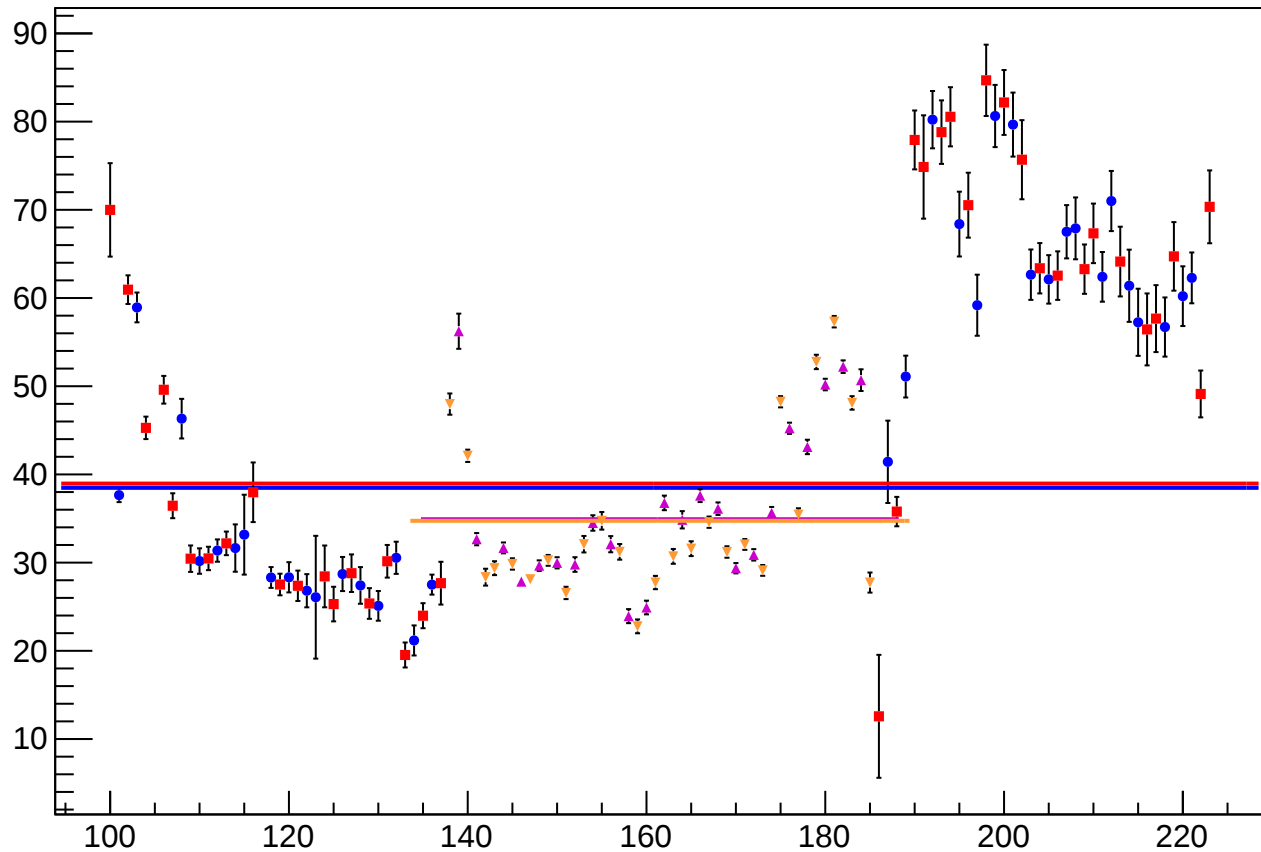
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -39.384 ± 0.174 χ^2/NDF : 10097.1/42

All: -39.078 ± 0.124 χ^2/NDF : 18583.2/85

- sign -38.761 ± 0.177 χ^2/NDF : 8479.8/42

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 38.479 ± 0.337 $\chi^2/\text{NDF}: 1949.1/34$

Left Out: 34.741 ± 0.147 $\chi^2/\text{NDF}: 3693.2/24$

Right Out: 38.962 ± 0.337 $\chi^2/\text{NDF}: 2374.8/38$

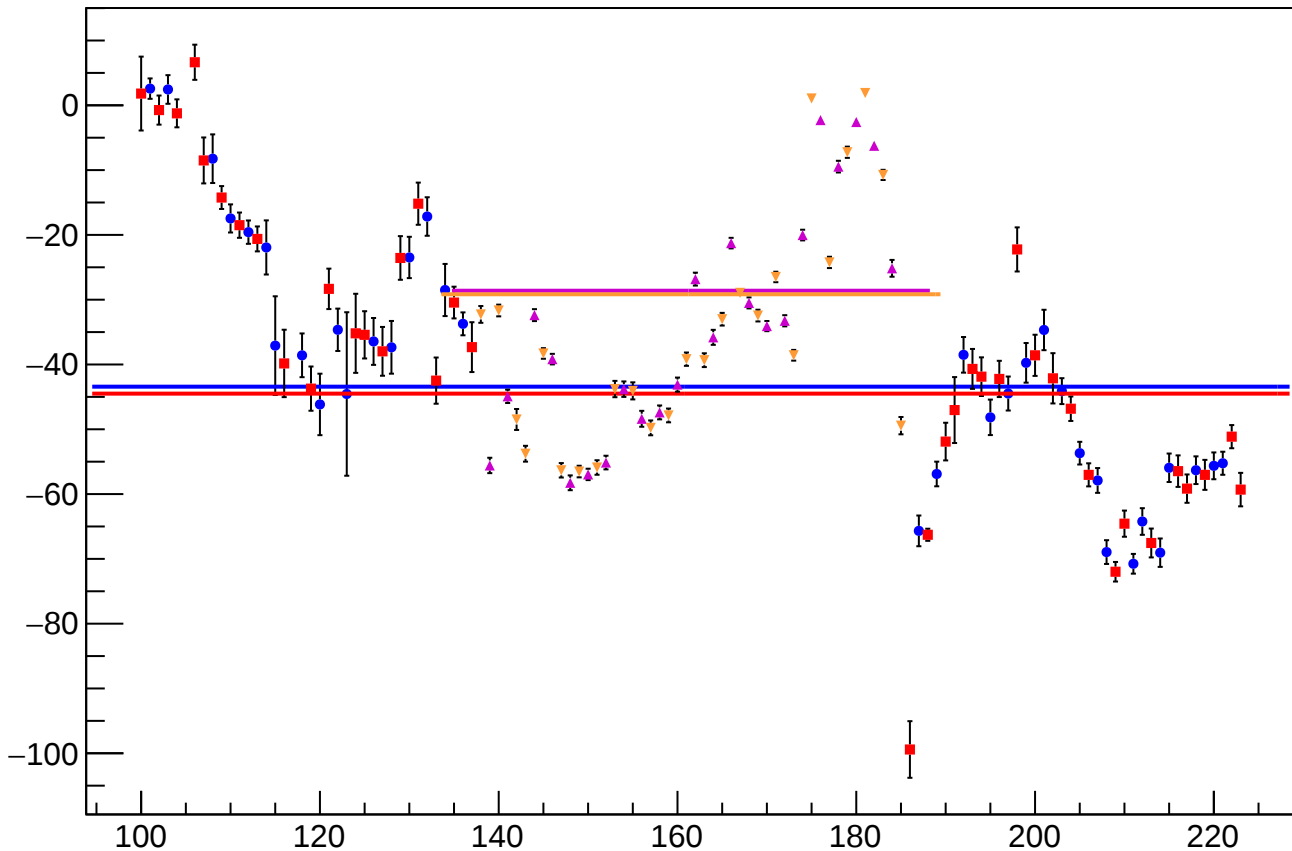
Left In: 34.922 ± 0.152 $\chi^2/\text{NDF}: 2672.9/22$

+ sign 35.341 ± 0.135 $\chi^2/\text{NDF}: 5745.4/59$

All: 35.468 ± 0.097 $\chi^2/\text{NDF}: 10914.4/121$

- sign 35.602 ± 0.138 $\chi^2/\text{NDF}: 5167.2/61$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -43.423 ± 0.398 χ^2/NDF : 3043.7/34

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -44.498 ± 0.382 χ^2/NDF : 3618.1/38

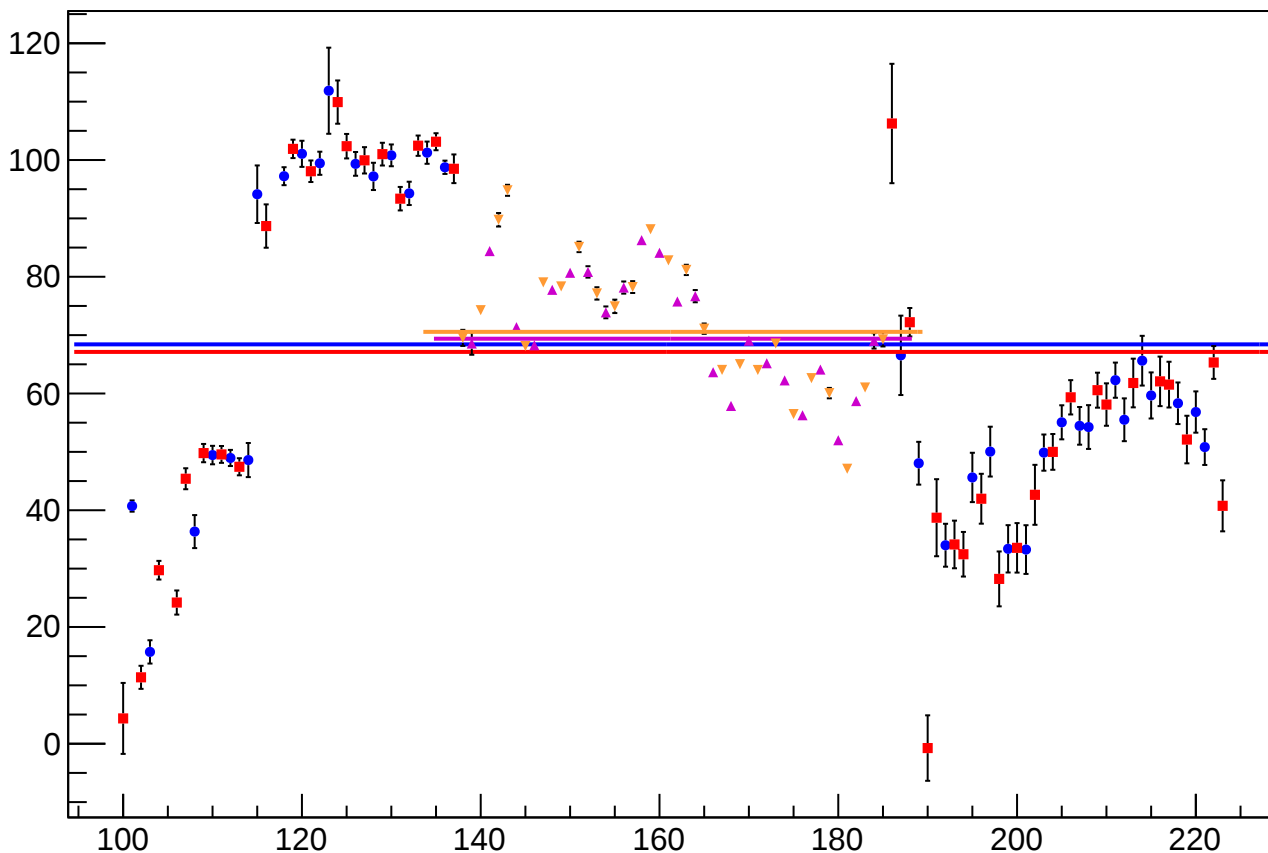
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -31.742 ± 0.169 χ^2/NDF : 14221.1/59

All: -31.754 ± 0.120 χ^2/NDF : 28268.8/121

- sign -31.767 ± 0.170 χ^2/NDF : 14047.7/61

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 68.419 ± 0.384 $\chi^2/\text{NDF}: 5239.1/34$

Left Out: 70.563 ± 0.166 $\chi^2/\text{NDF}: 4589.1/24$

Right Out: 67.126 ± 0.386 $\chi^2/\text{NDF}: 6190.6/38$

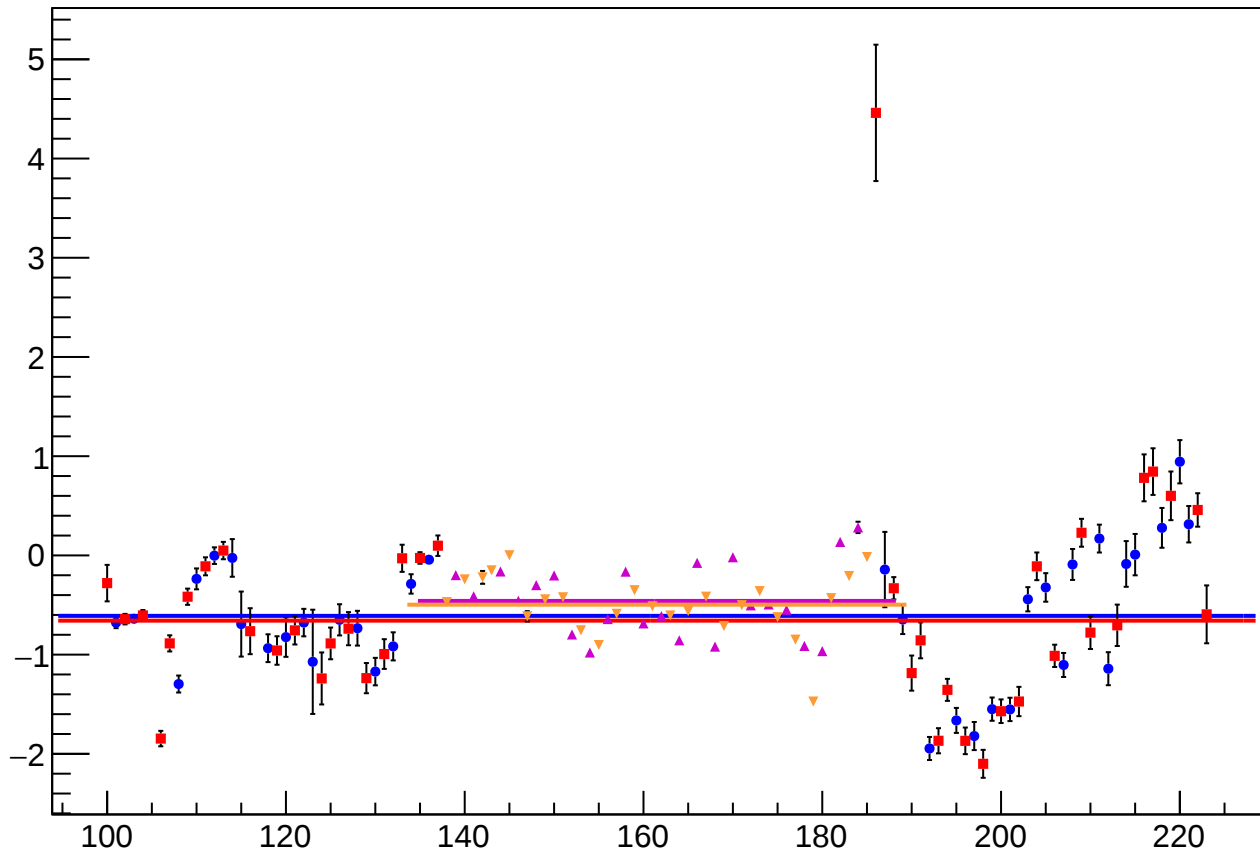
Left In: 69.387 ± 0.170 $\chi^2/\text{NDF}: 3321.8/22$

+ sign 70.224 ± 0.153 $\chi^2/\text{NDF}: 9854.5/59$

All: 69.635 ± 0.109 $\chi^2/\text{NDF}: 19426.2/121$

- sign 69.019 ± 0.156 $\chi^2/\text{NDF}: 9541.1/61$

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.609 ± 0.019 χ^2/NDF : 916.1/34

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.657 ± 0.018 χ^2/NDF : 1274.3/38

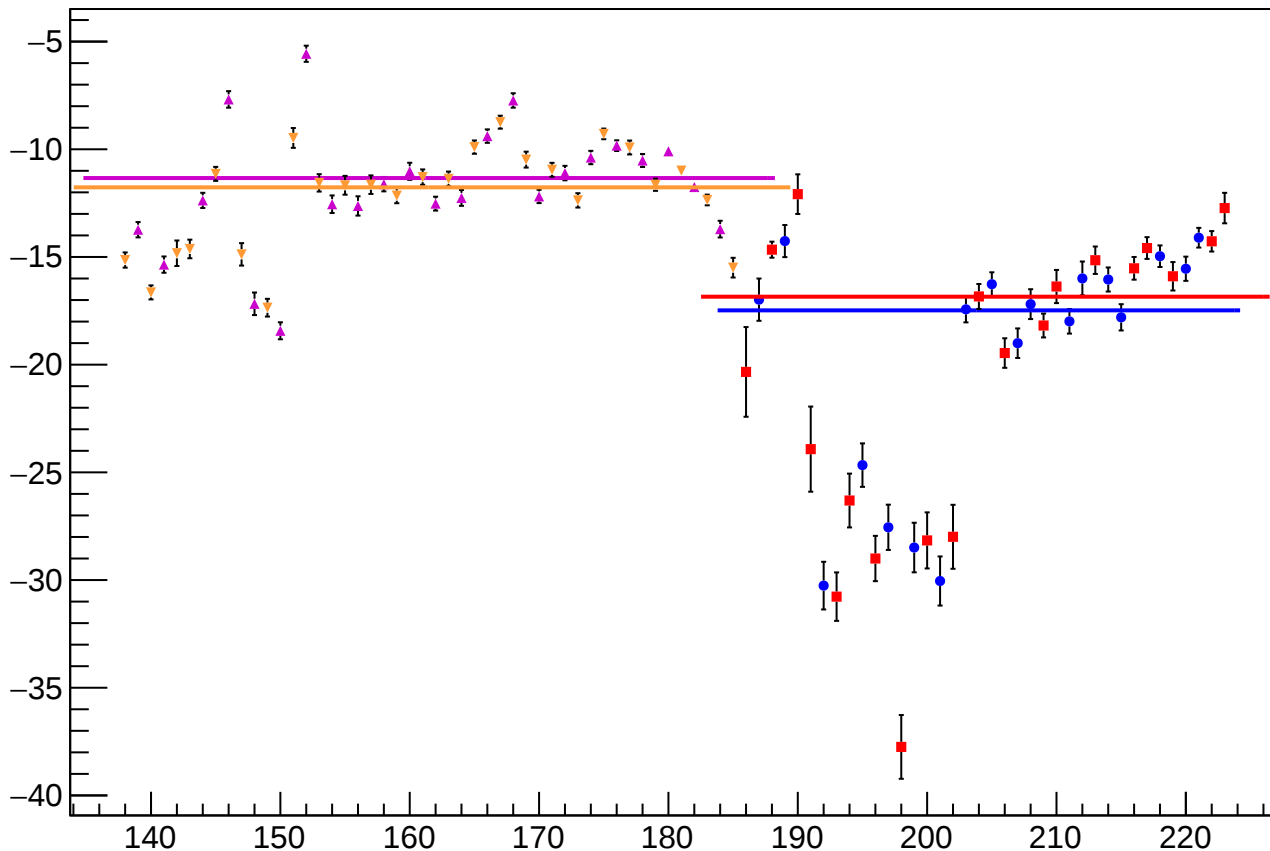
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.512 ± 0.007 χ^2/NDF : 2396.1/59

All: -0.501 ± 0.005 χ^2/NDF : 5735.3/121

- sign -0.489 ± 0.007 χ^2/NDF : 3333.9/61

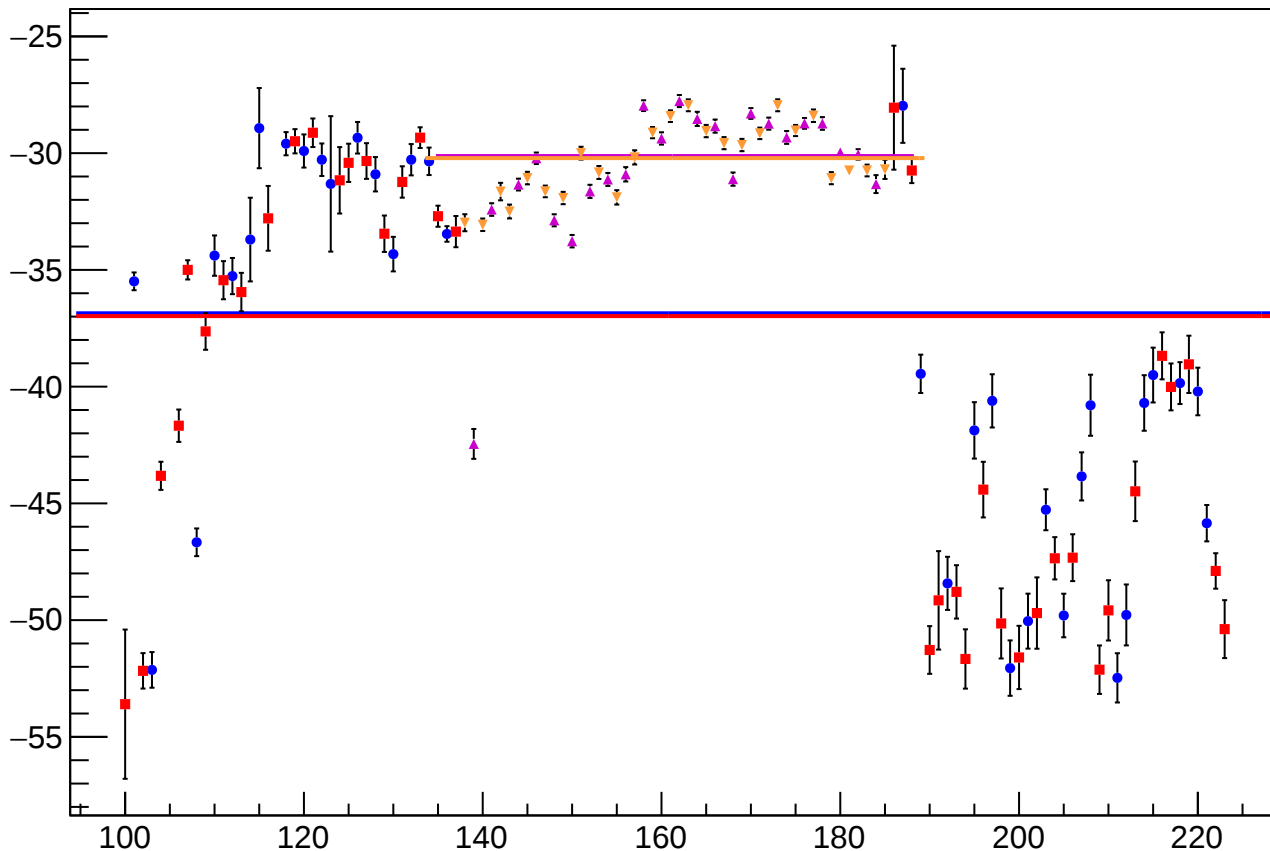
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -17.479 ± 0.158 χ^2/NDF : 620.4/17
 Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24
 Right Out: -16.845 ± 0.155 χ^2/NDF : 871.6/19
 Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -12.626 ± 0.061 χ^2/NDF : 2744.8/42
 All: -12.428 ± 0.044 χ^2/NDF : 5963.7/85
 - sign -12.224 ± 0.062 χ^2/NDF : 3197.8/42

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.859 ± 0.130 $\chi^2/\text{NDF}: 2938.6/34$

Left Out: -30.212 ± 0.054 $\chi^2/\text{NDF}: 734.0/24$

Right Out: -36.979 ± 0.128 $\chi^2/\text{NDF}: 3514.9/38$

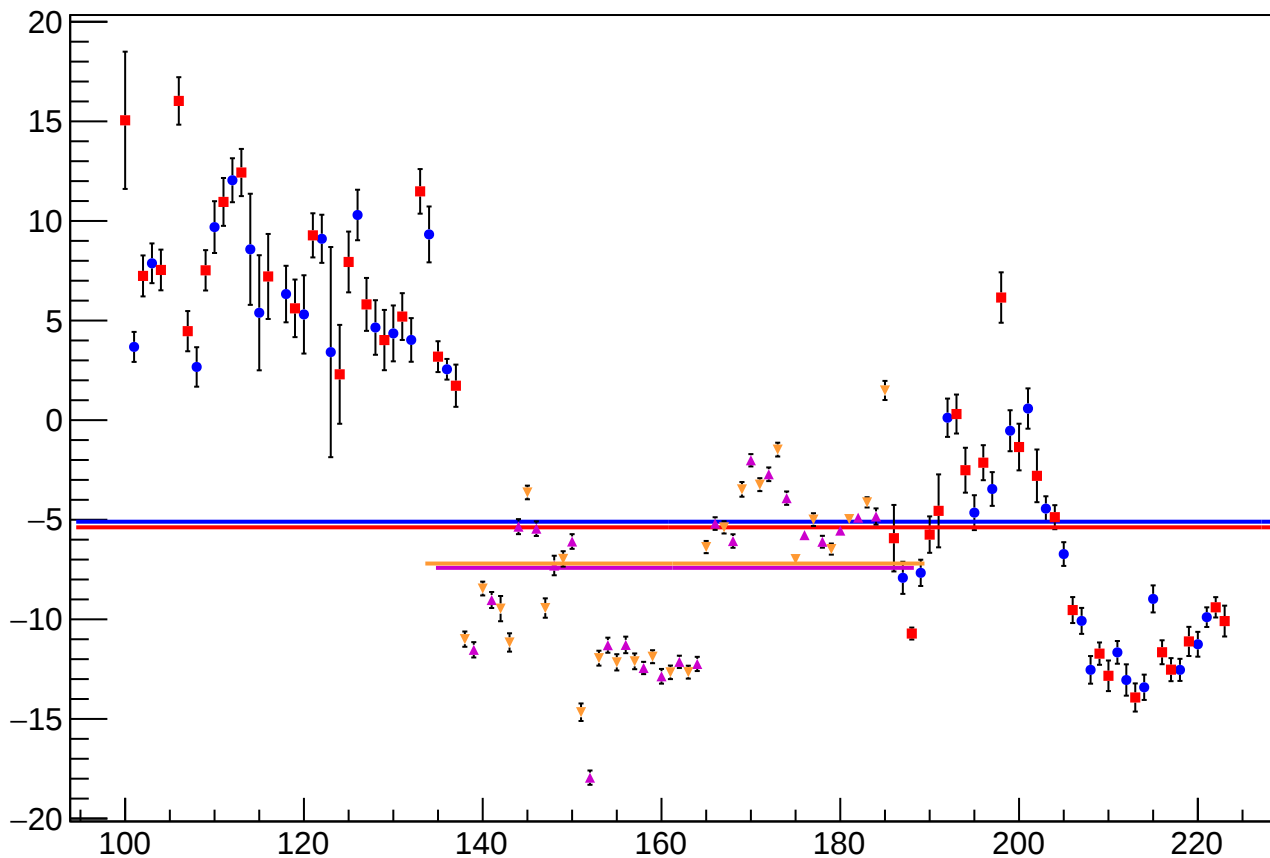
Left In: -30.124 ± 0.056 $\chi^2/\text{NDF}: 1226.2/22$

+ sign -31.192 ± 0.050 $\chi^2/\text{NDF}: 5917.1/59$

All: -31.203 ± 0.036 $\chi^2/\text{NDF}: 13087.4/121$

- sign -31.216 ± 0.051 $\chi^2/\text{NDF}: 7170.2/61$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -5.098 $\pm$ 0.138 χ^2 /NDF: 2748.1/34

Left Out: -7.199 $\pm$ 0.067 χ^2 /NDF:3037.3/24

Right Out: -5.381 $\pm$ 0.133 χ^2 /NDF: 3574.6/38

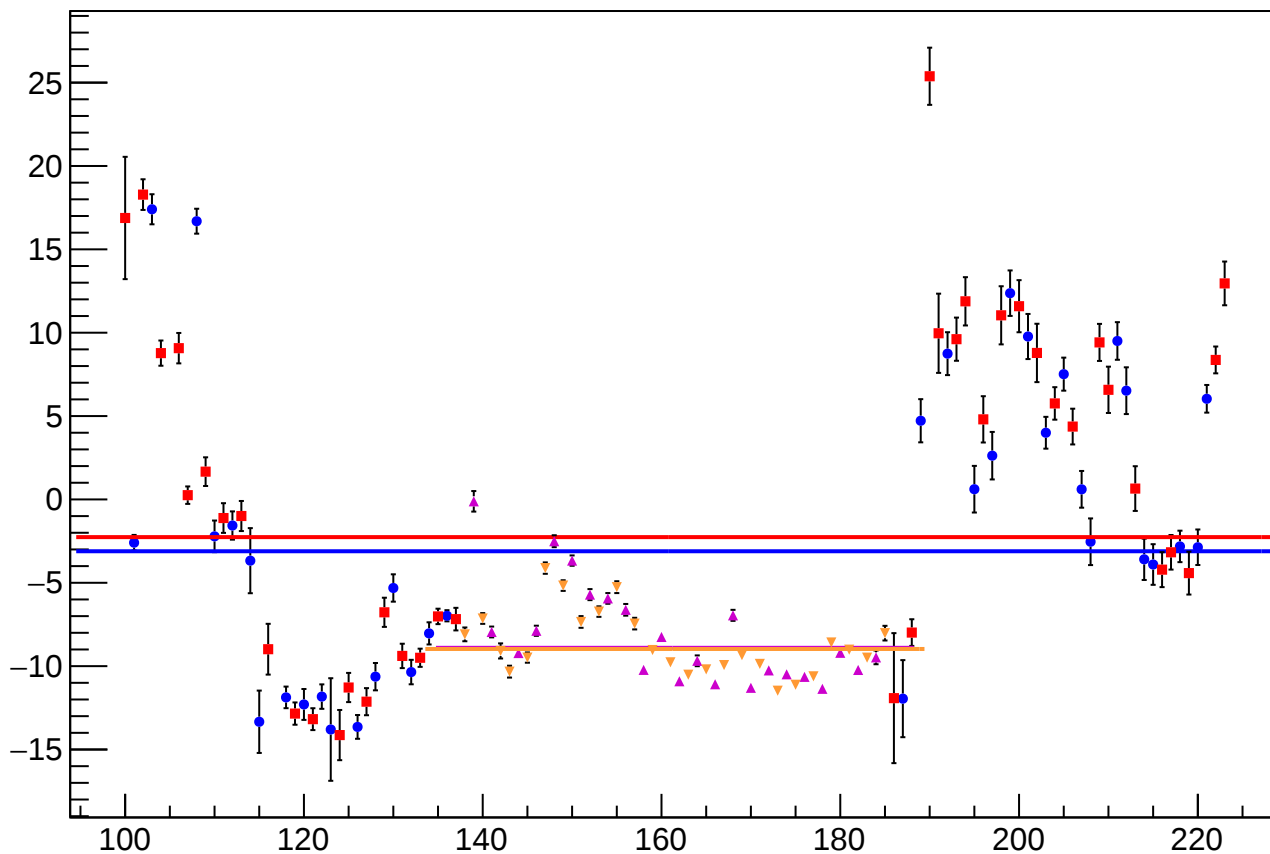
Left In: -7.415 $\pm$ 0.068 χ^2 /NDF:3123.3/22

+ sign -6.801 $\pm$ 0.060 χ^2 /NDF: 5972.4/59

All: -6.898 $\pm$ 0.043 χ^2 /NDF: 12860.6/121

- sign -6.996 $\pm$ 0.060 χ^2 /NDF: 6883.0/61

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.109 ± 0.146 $\chi^2/\text{NDF}: 3139.5/34$

Left Out: -8.970 ± 0.060 $\chi^2/\text{NDF}: 878.8/24$

Right Out: -2.261 ± 0.147 $\chi^2/\text{NDF}: 3564.1/38$

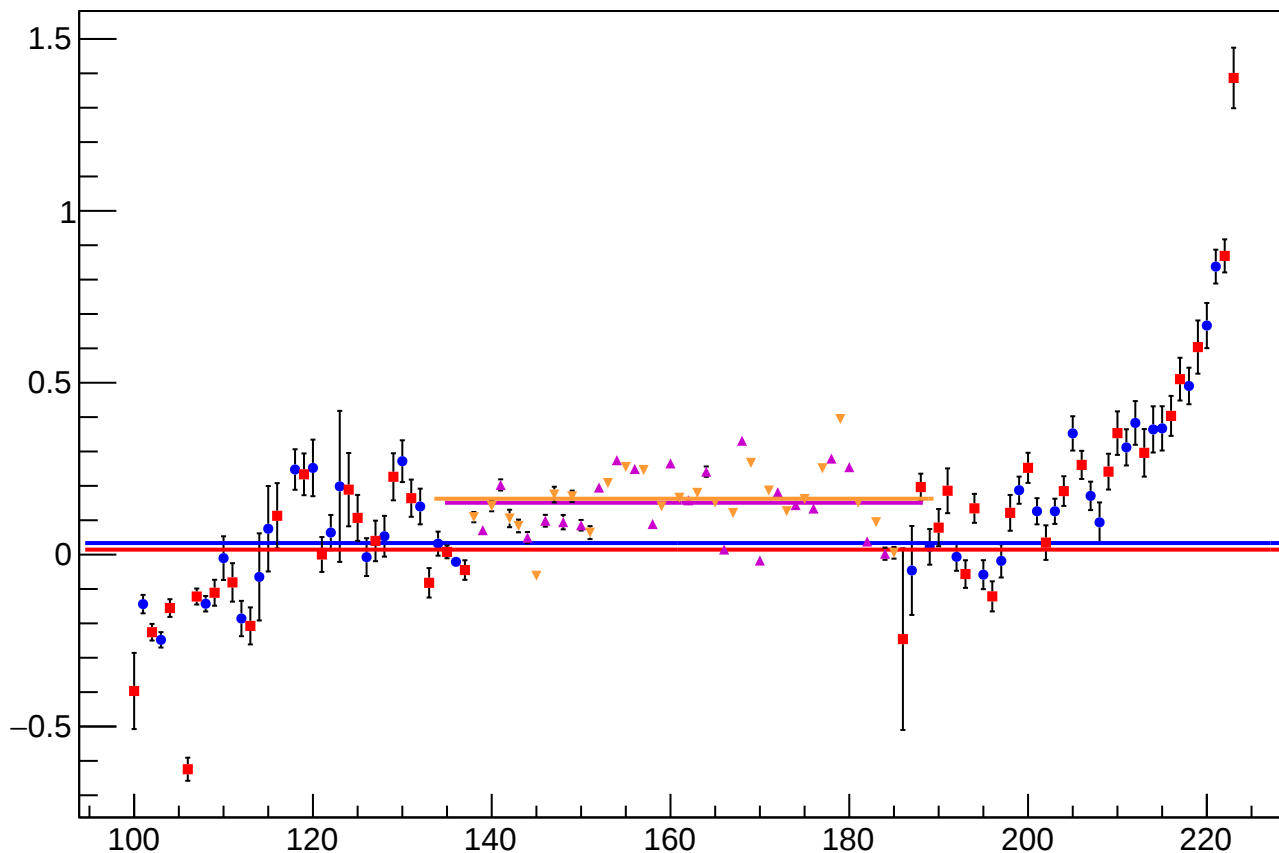
Left In: -8.900 ± 0.062 $\chi^2/\text{NDF}: 1533.9/22$

+ sign -8.115 ± 0.056 $\chi^2/\text{NDF}: 5402.6/59$

All: -8.011 ± 0.040 $\chi^2/\text{NDF}: 12250.7/121$

- sign -7.902 ± 0.057 $\chi^2/\text{NDF}: 6841.0/61$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: 0.034 $\pm$ 0.007 χ^2 /NDF: 970.2/34

Left Out: 0.163 $\pm$ 0.003 χ^2 /NDF:1018.1/24

Right Out: 0.015 $\pm$ 0.007 χ^2 /NDF: 1555.8/38

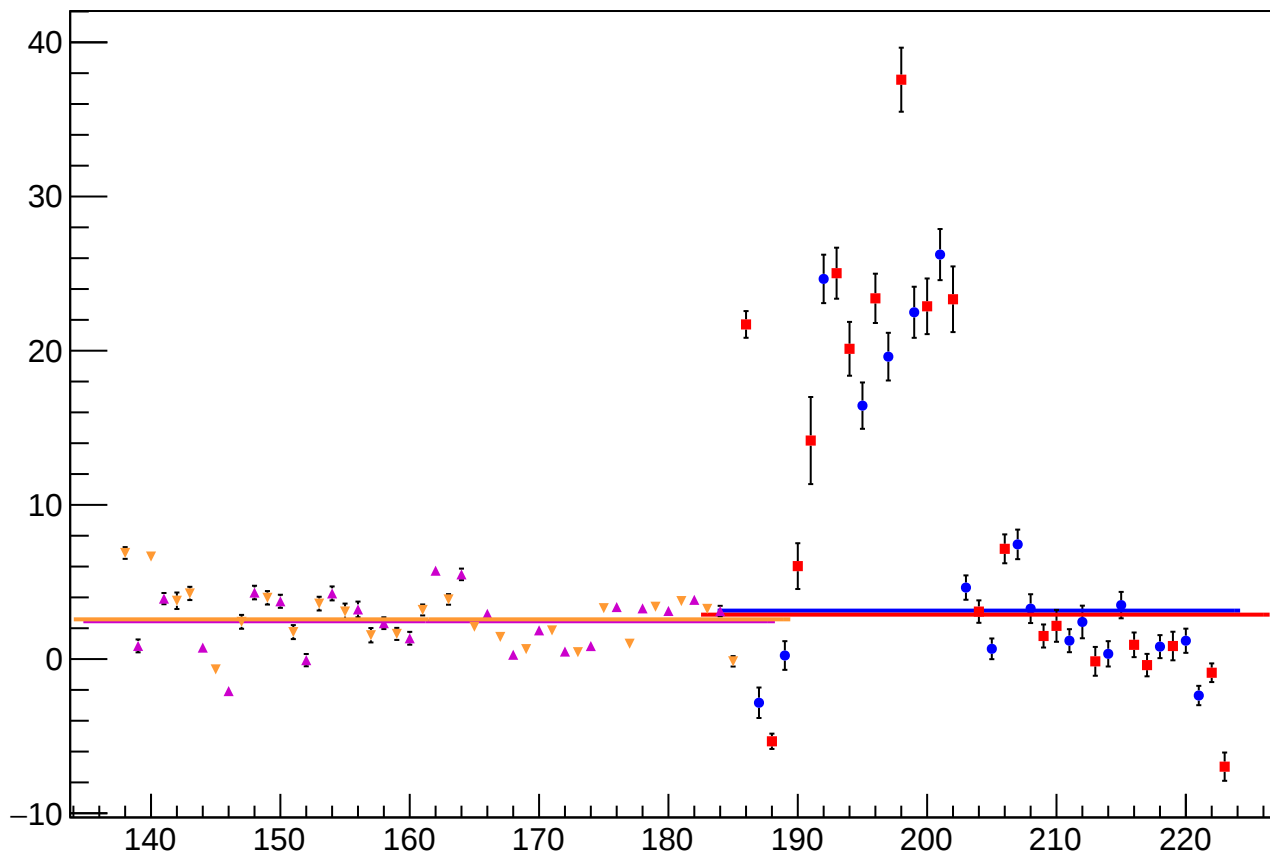
Left In: 0.151 $\pm$ 0.003 χ^2 /NDF:1286.5/22

+ sign 0.145 $\pm$ 0.003 χ^2 /NDF: 2298.1/59

All: 0.138 $\pm$ 0.002 χ^2 /NDF: 5497.3/121

- sign 0.132 $\pm$ 0.003 χ^2 /NDF: 3185.8/61

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 3.142 ± 0.215 $\chi^2/\text{NDF}: 905.5/17$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 2.881 ± 0.207 $\chi^2/\text{NDF}: 1922.2/19$

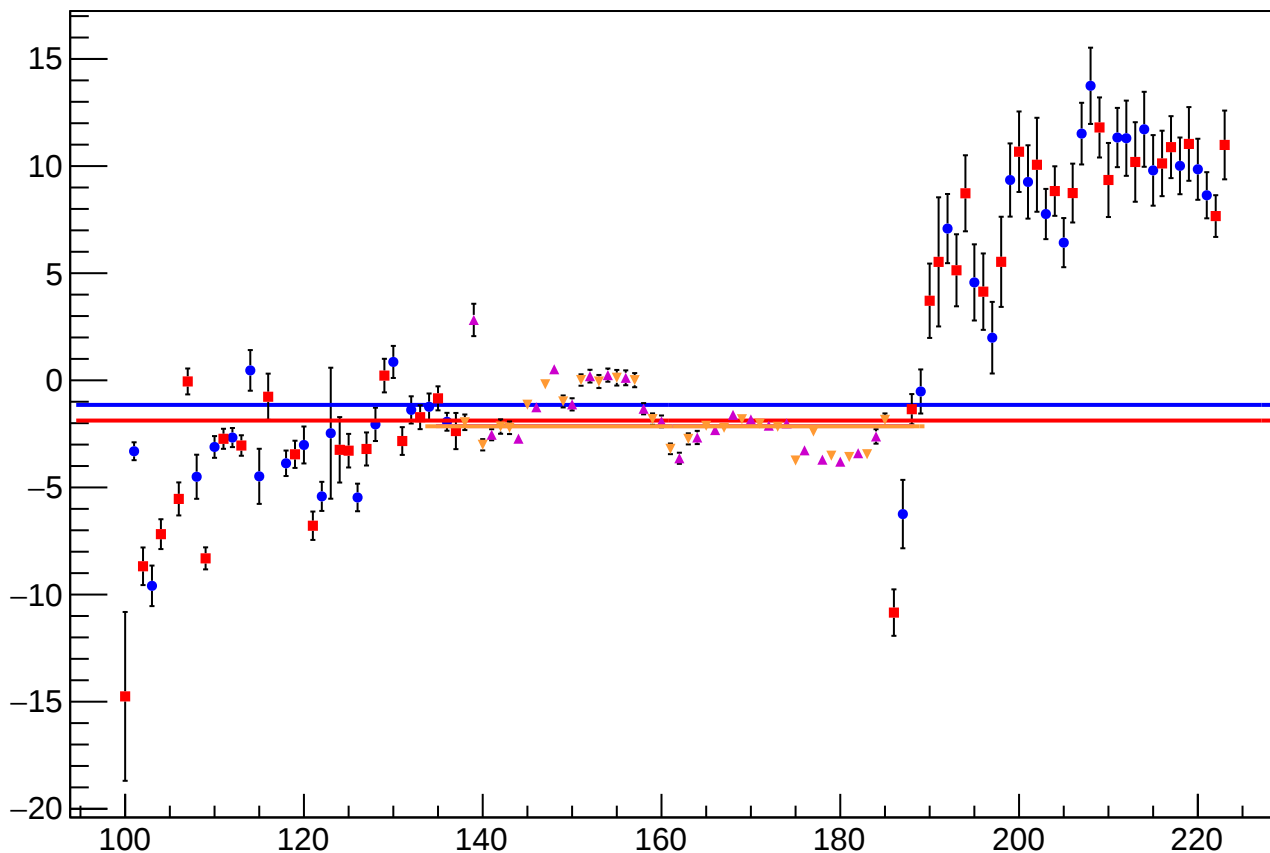
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.616 ± 0.056 $\chi^2/\text{NDF}: 1779.4/42$

All: 2.551 ± 0.040 $\chi^2/\text{NDF}: 4579.5/85$

- sign 2.485 ± 0.057 $\chi^2/\text{NDF}: 2797.5/42$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.147 ± 0.141 χ^2/NDF : 1093.2/34

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -1.878 ± 0.139 χ^2/NDF : 1326.5/38

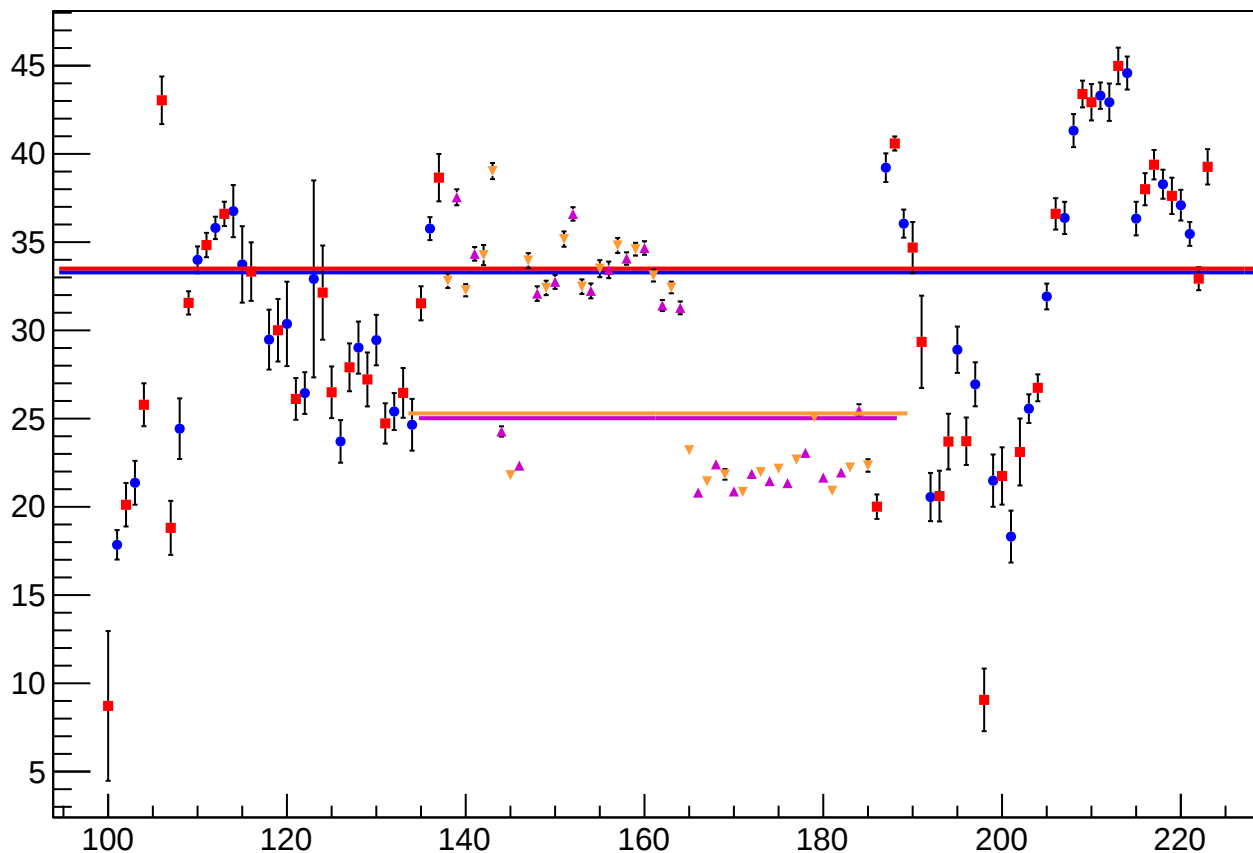
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.043 ± 0.045 χ^2/NDF : 1711.7/59

All: -2.075 ± 0.032 χ^2/NDF : 3733.6/121

- sign -2.108 ± 0.046 χ^2/NDF : 2020.9/61

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 33.286 $\pm$ 0.168 χ^2 /NDF: 1726.9/34

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 33.503 $\pm$ 0.159 χ^2 /NDF: 2302.6/38

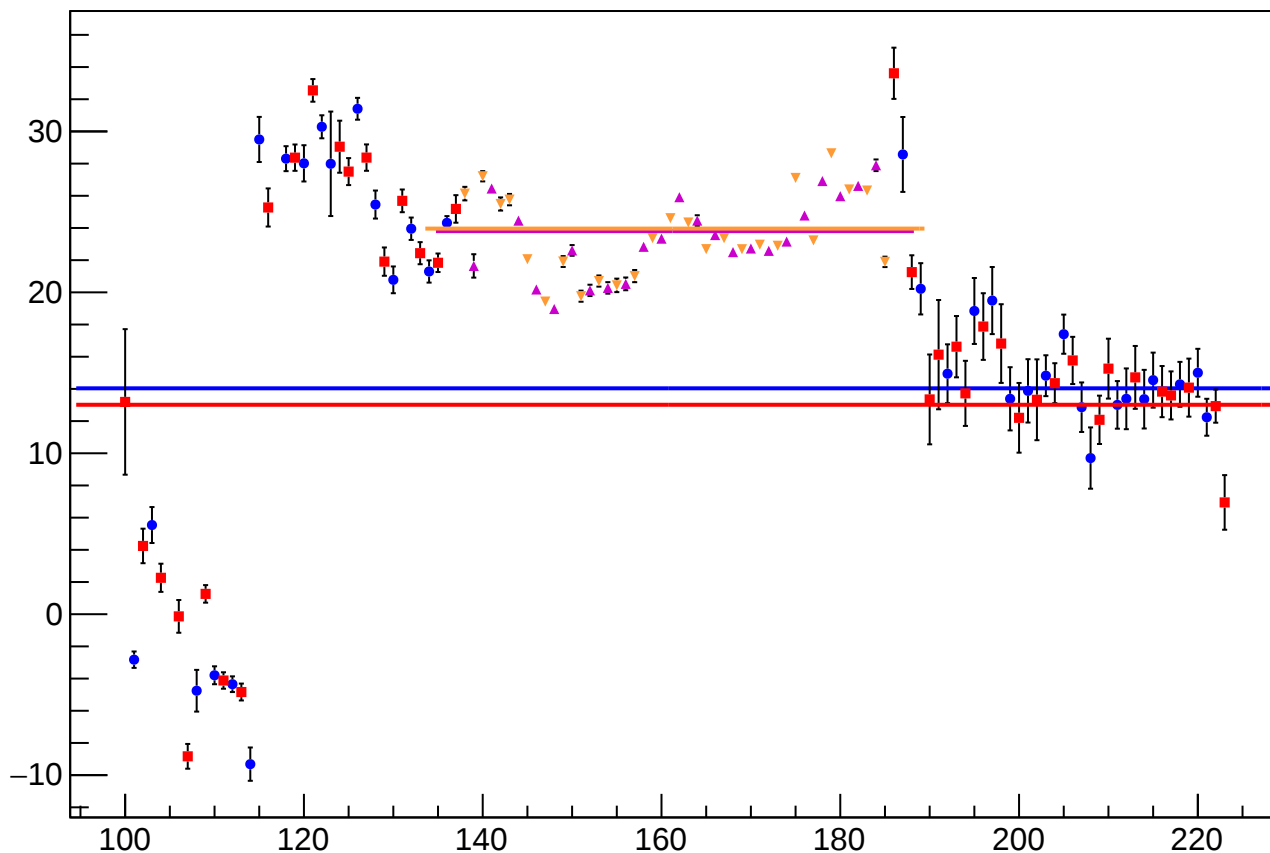
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 26.167 $\pm$ 0.056 χ^2 /NDF: 12009.7/59

All: 26.120 $\pm$ 0.039 χ^2 /NDF: 24421.7/121

- sign 26.072 $\pm$ 0.056 χ^2 /NDF: 12410.5/61

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.036 $\pm$ 0.157 χ^2 /NDF: 7360.5/34

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 13.015 $\pm$ 0.157 χ^2 /NDF: 7228.4/38

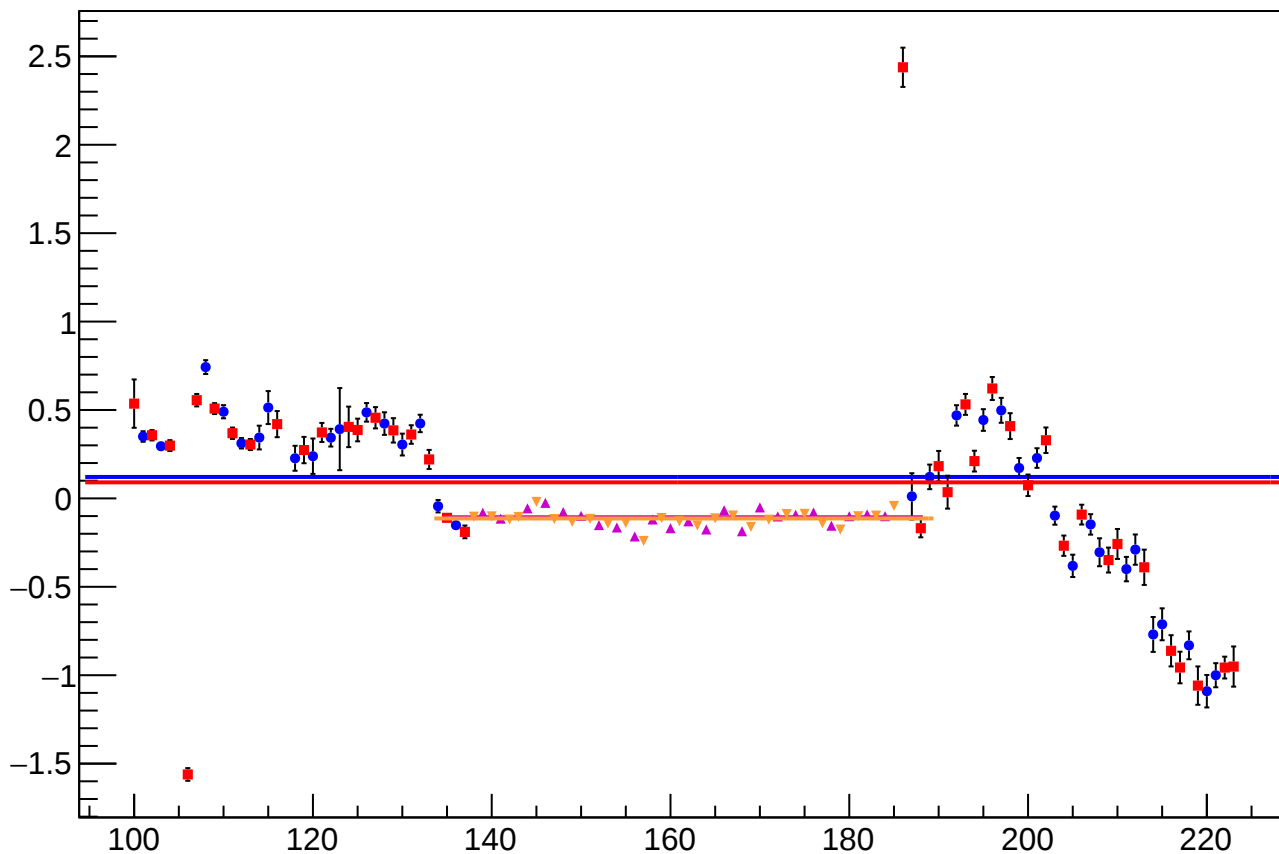
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 22.946 $\pm$ 0.050 χ^2 /NDF: 12852.7/59

All: 22.808 $\pm$ 0.036 χ^2 /NDF: 26064.7/121

- sign 22.666 $\pm$ 0.051 χ^2 /NDF: 13196.8/61

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.121+/-0.008 χ^2/NDF : 1992.9/34

Left Out: -0.113+/-0.002 χ^2/NDF : 291.0/24

Right Out: 0.091+/-0.008 χ^2/NDF : 4538.1/38

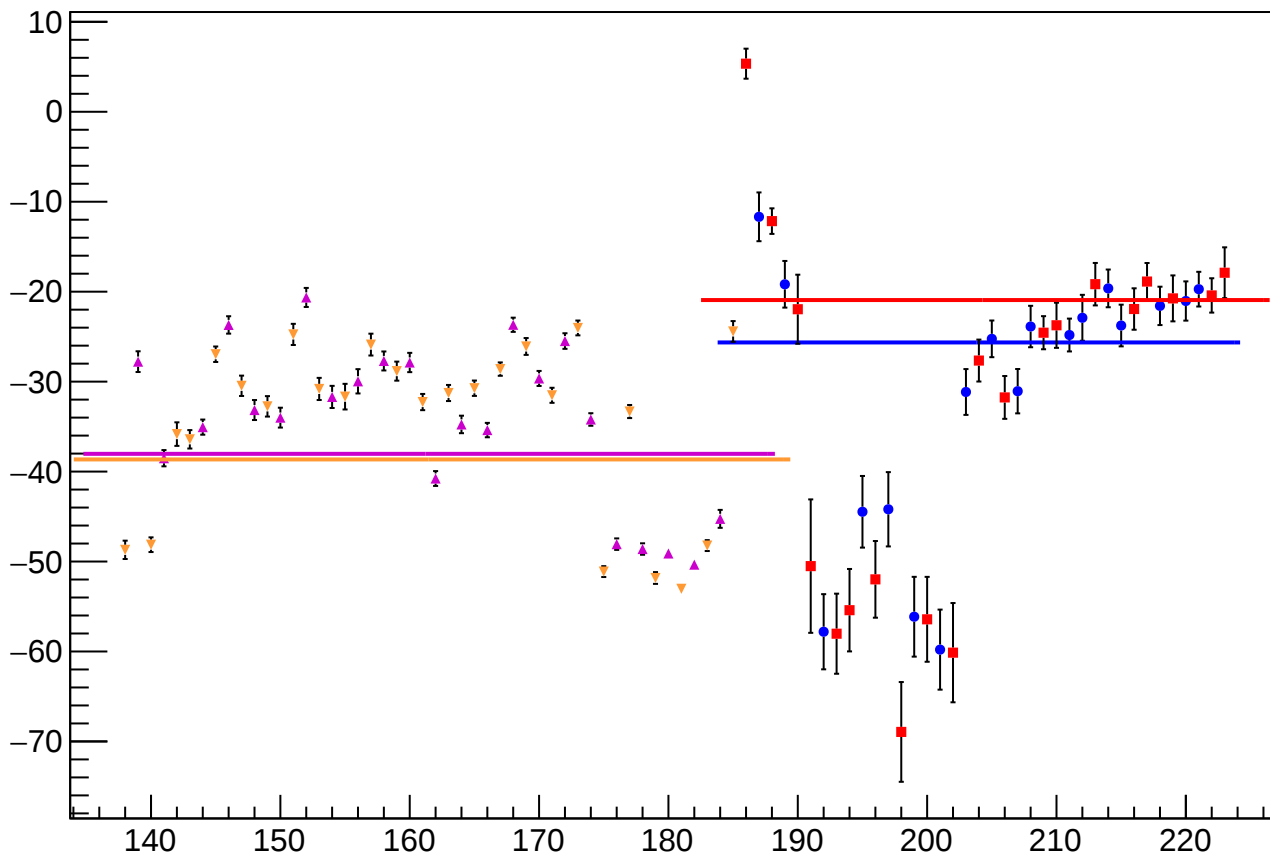
Left In: -0.107+/-0.002 χ^2/NDF : 321.8/22

+ sign -0.094+/-0.002 χ^2/NDF : 3052.1/59

All: -0.092+/-0.002 χ^2/NDF : 8472.3/121

- sign -0.090+/-0.002 χ^2/NDF : 5418.2/61

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -25.644 ± 0.589 $\chi^2/\text{NDF}: 278.6/17$

Left Out: -38.650 ± 0.169 $\chi^2/\text{NDF}: 4077.2/24$

Right Out: -20.931 ± 0.561 $\chi^2/\text{NDF}: 700.2/19$

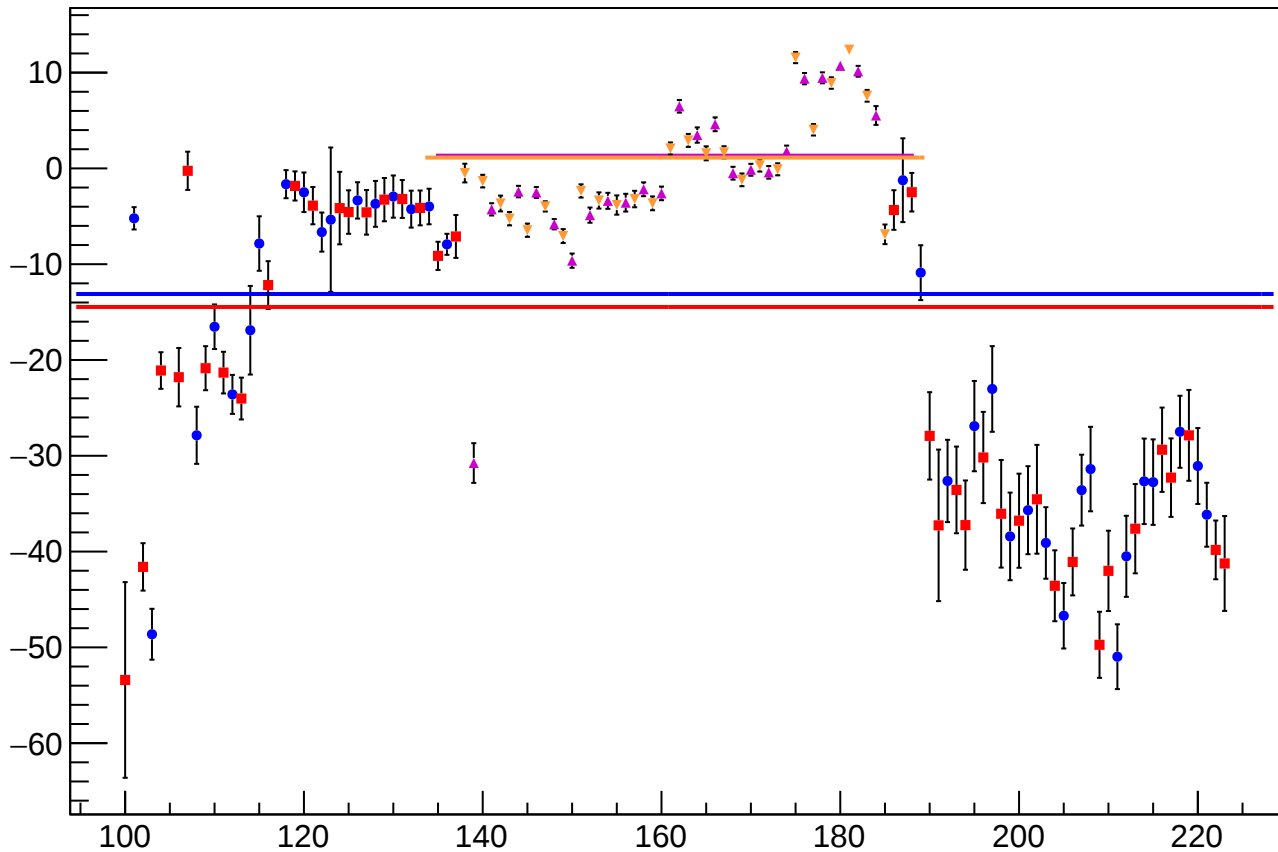
Left In: -38.027 ± 0.173 $\chi^2/\text{NDF}: 3091.9/22$

+ sign -37.661 ± 0.163 $\chi^2/\text{NDF}: 4805.7/42$

All: -37.111 ± 0.116 $\chi^2/\text{NDF}: 9468.4/85$

- sign -36.540 ± 0.166 $\chi^2/\text{NDF}: 4639.3/42$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -13.112 ± 0.417 χ^2/NDF : 1089.8/34

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -14.465 ± 0.424 χ^2/NDF : 1102.6/38

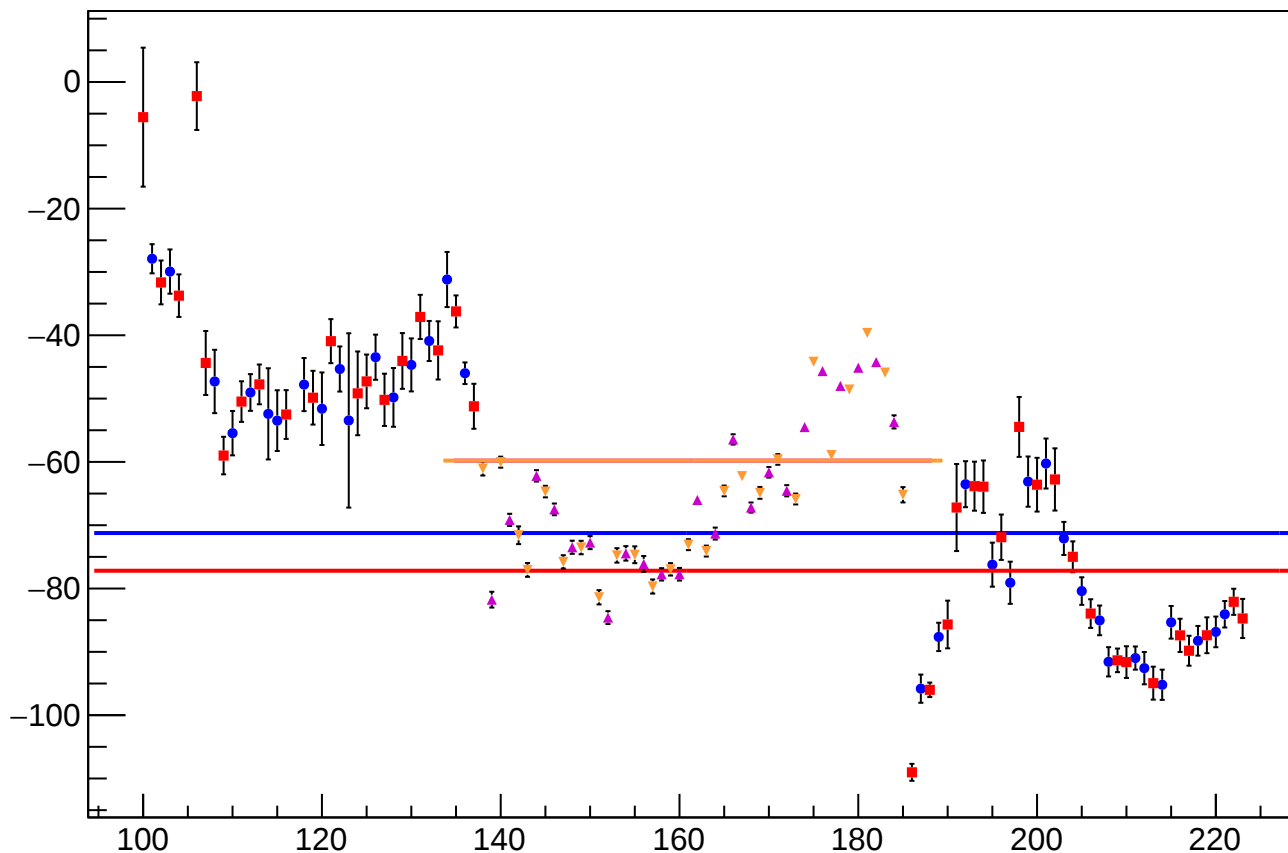
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign -0.241 ± 0.129 χ^2/NDF : 3945.3/59

All: -0.232 ± 0.093 χ^2/NDF : 8348.8/121

- sign -0.222 ± 0.133 χ^2/NDF : 4403.4/61

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -71.234 ± 0.483 χ^2/NDF : 2009.3/34

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -77.186 ± 0.455 χ^2/NDF : 2804.0/38

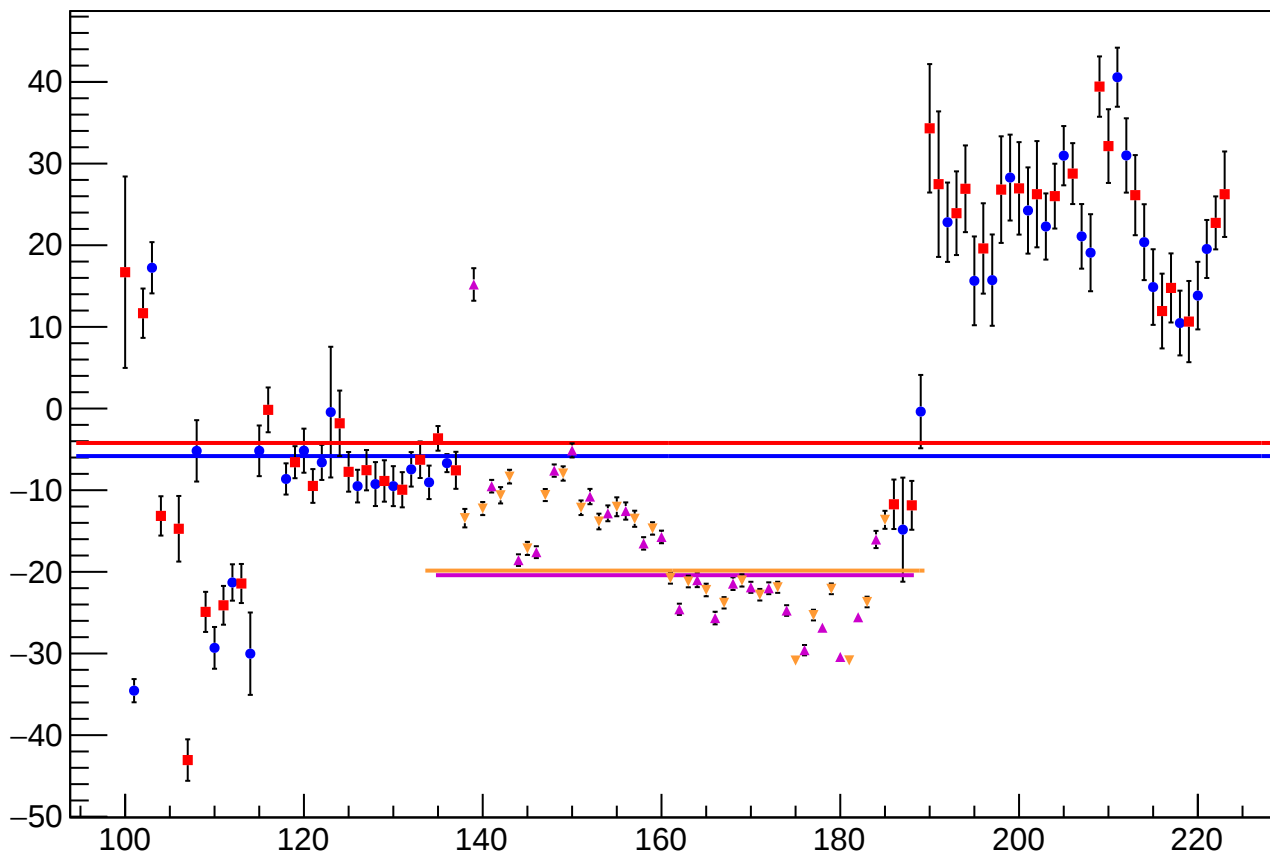
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -61.052 ± 0.160 χ^2/NDF : 8346.6/59

All: -61.524 ± 0.114 χ^2/NDF : 17660.5/121

- sign -62.005 ± 0.162 χ^2/NDF : 9296.5/61

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -5.821±/0.468 χ^2/NDF : 1372.1/34

Left Out: -19.847±/0.153 χ^2/NDF :1931.3/24

Right Out: -4.216±/0.485 χ^2/NDF : 1236.6/38

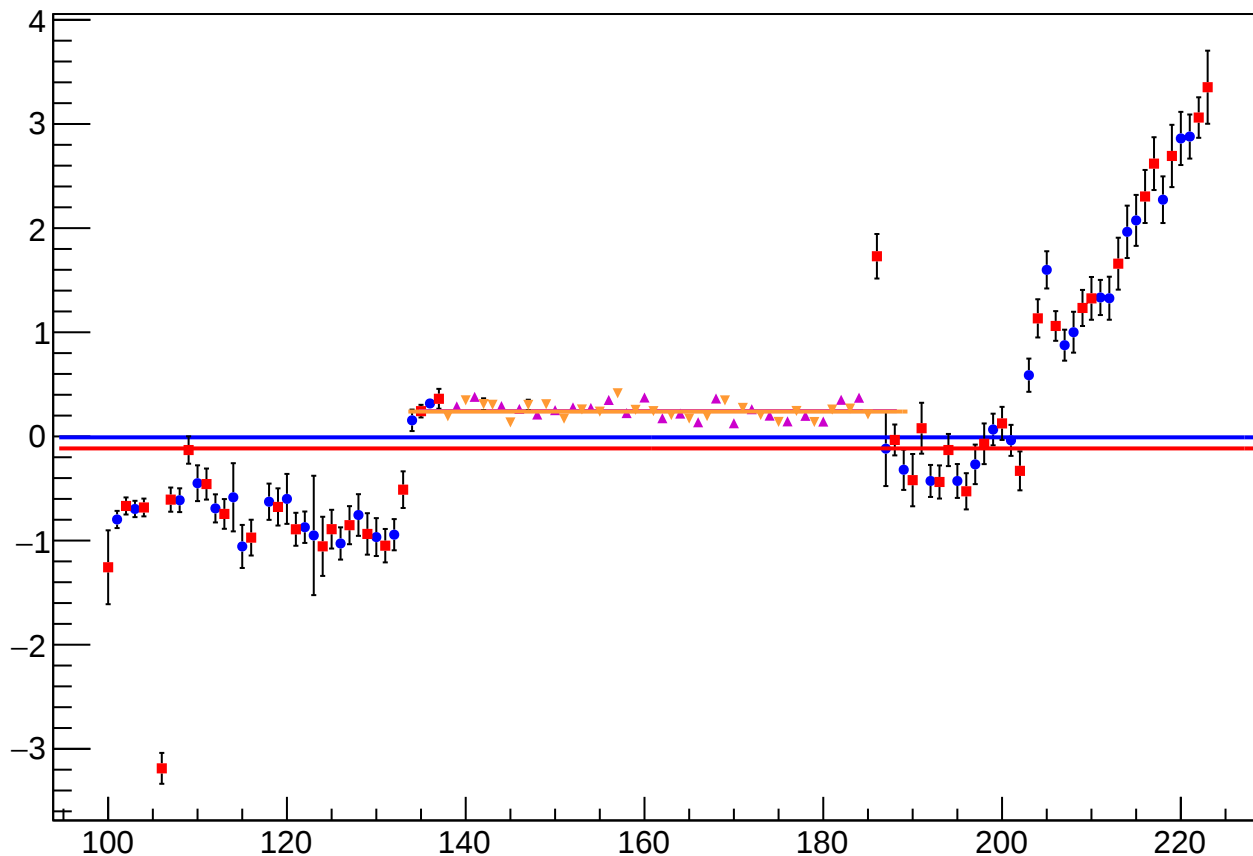
Left In: -20.410±/0.157 χ^2/NDF :2302.0/22

+ sign -18.497±/0.145 χ^2/NDF : 4114.8/59

All: -18.682±/0.104 χ^2/NDF : 8668.0/121

- sign -18.877±/0.149 χ^2/NDF : 4549.9/61

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.009 ± 0.023 χ^2/NDF : 1318.8/34

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.115 ± 0.024 χ^2/NDF : 1815.1/38

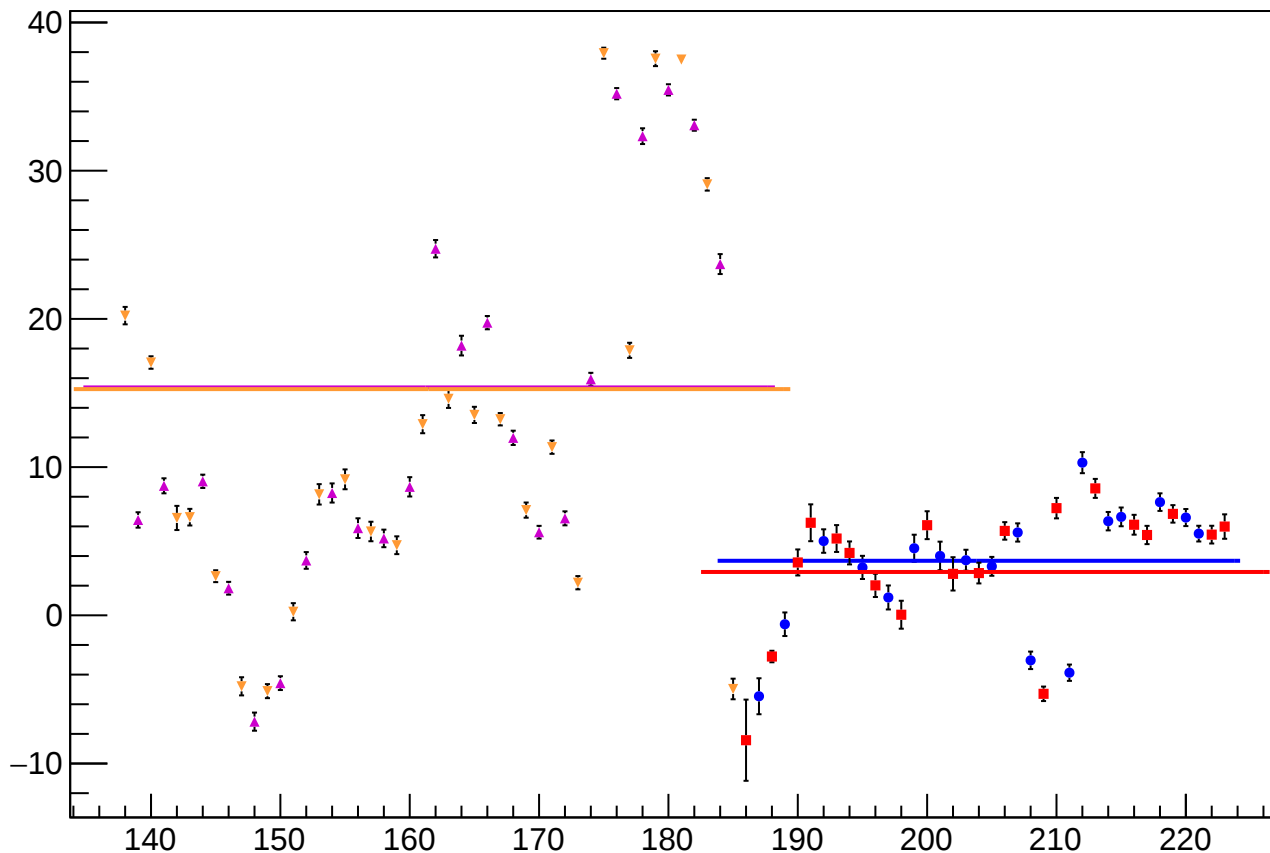
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.218 ± 0.007 χ^2/NDF : 1514.9/59

All: 0.216 ± 0.005 χ^2/NDF : 3675.9/121

- sign 0.214 ± 0.007 χ^2/NDF : 2160.7/61

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.679+/-0.160 χ^2/NDF : 636.8/17

Left Out: 15.263+/-0.100 χ^2/NDF :19175.2/24

Right Out: 2.925+/-0.155 χ^2/NDF : 806.8/19

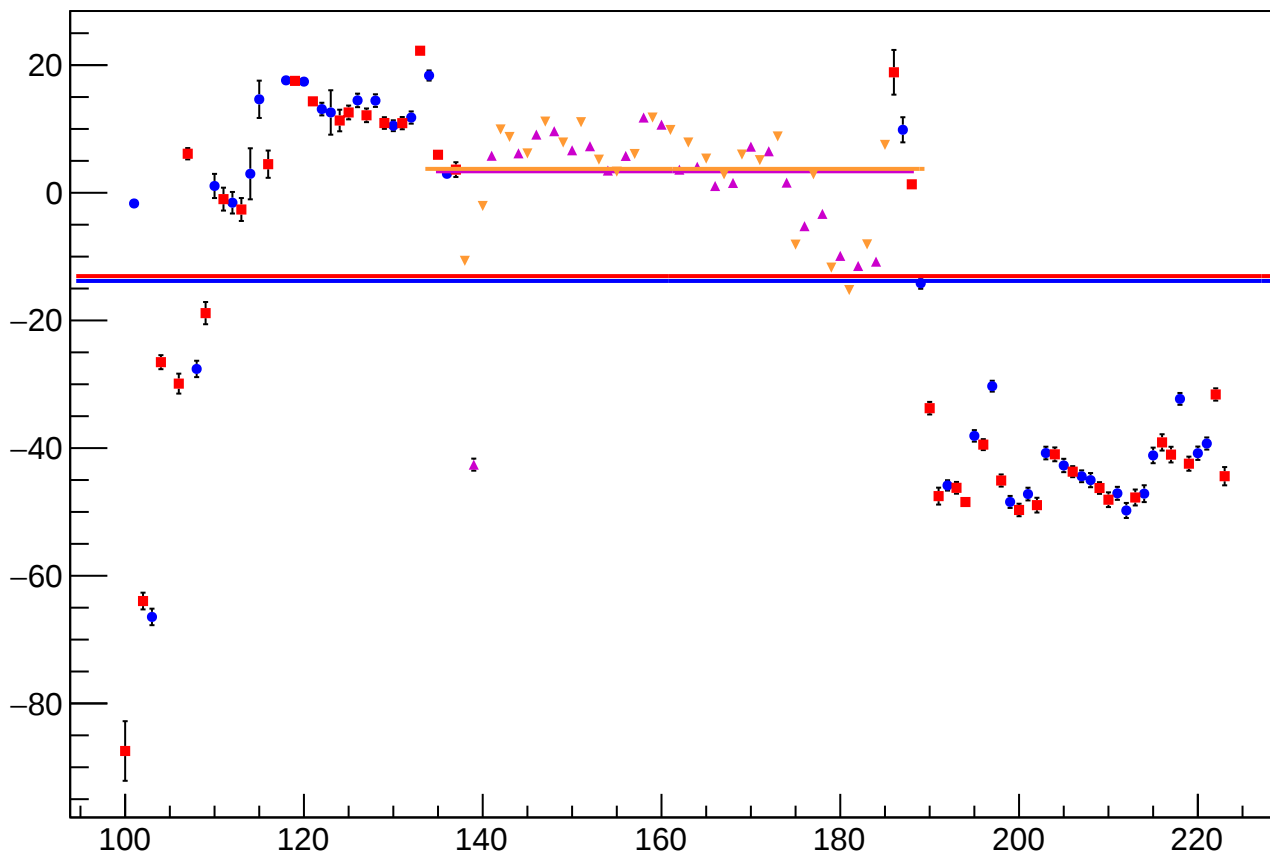
Left In: 15.377+/-0.103 χ^2/NDF :16268.9/22

+ sign 11.986+/-0.085 χ^2/NDF : 23570.8/42

All: 11.774+/-0.060 χ^2/NDF : 45159.7/85

- sign 11.560+/-0.086 χ^2/NDF : 21576.5/42

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -13.812 ± 0.160 χ^2/NDF : 28605.6/34

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -13.052 ± 0.154 χ^2/NDF : 33922.0/38

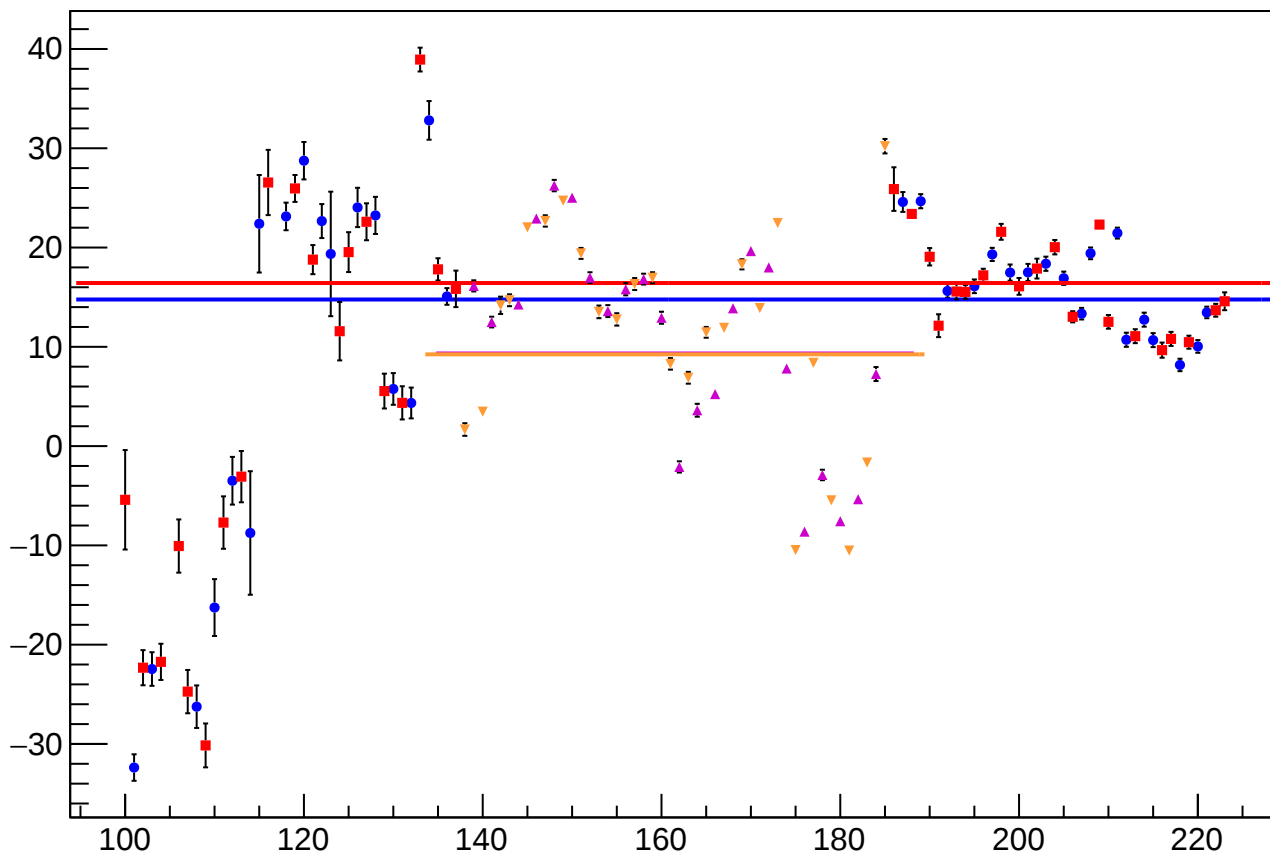
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 0.338 ± 0.071 χ^2/NDF : 47499.8/59

All: 0.070 ± 0.050 χ^2/NDF : 98864.2/121

- sign -0.207 ± 0.072 χ^2/NDF : 51335.1/61

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 14.767 $\pm$ 0.149 χ^2 /NDF: 3466.1/34

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 16.427 $\pm$ 0.140 χ^2 /NDF: 3613.3/38

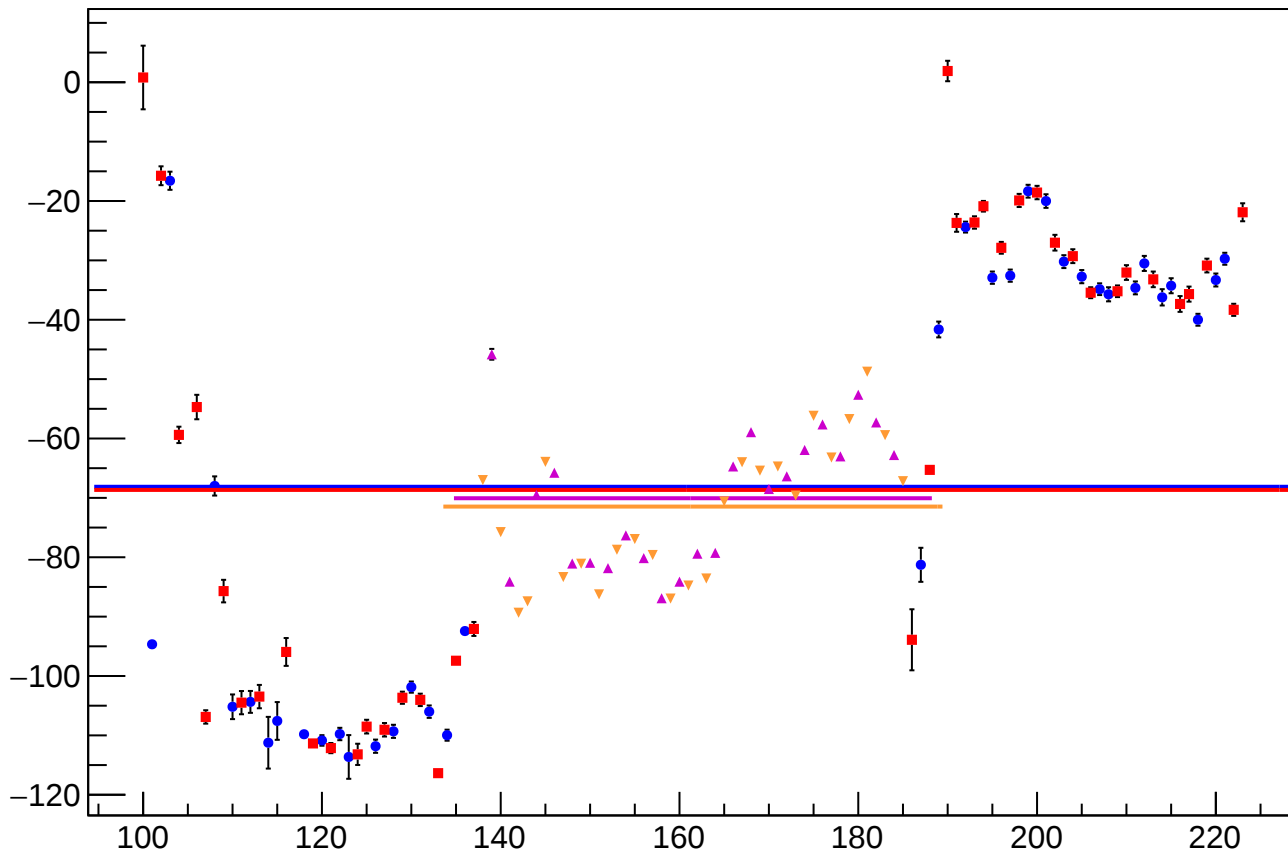
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.984 $\pm$ 0.083 χ^2 /NDF: 18044.7/59

All: 11.397 $\pm$ 0.059 χ^2 /NDF: 35344.9/121

- sign 11.802 $\pm$ 0.083 χ^2 /NDF: 17251.7/61

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -68.129 ± 0.182 $\chi^2/\text{NDF}: 40367.5/34$

Left Out: -71.465 ± 0.089 $\chi^2/\text{NDF}: 16409.7/24$

Right Out: -68.659 ± 0.178 $\chi^2/\text{NDF}: 48039.6/38$

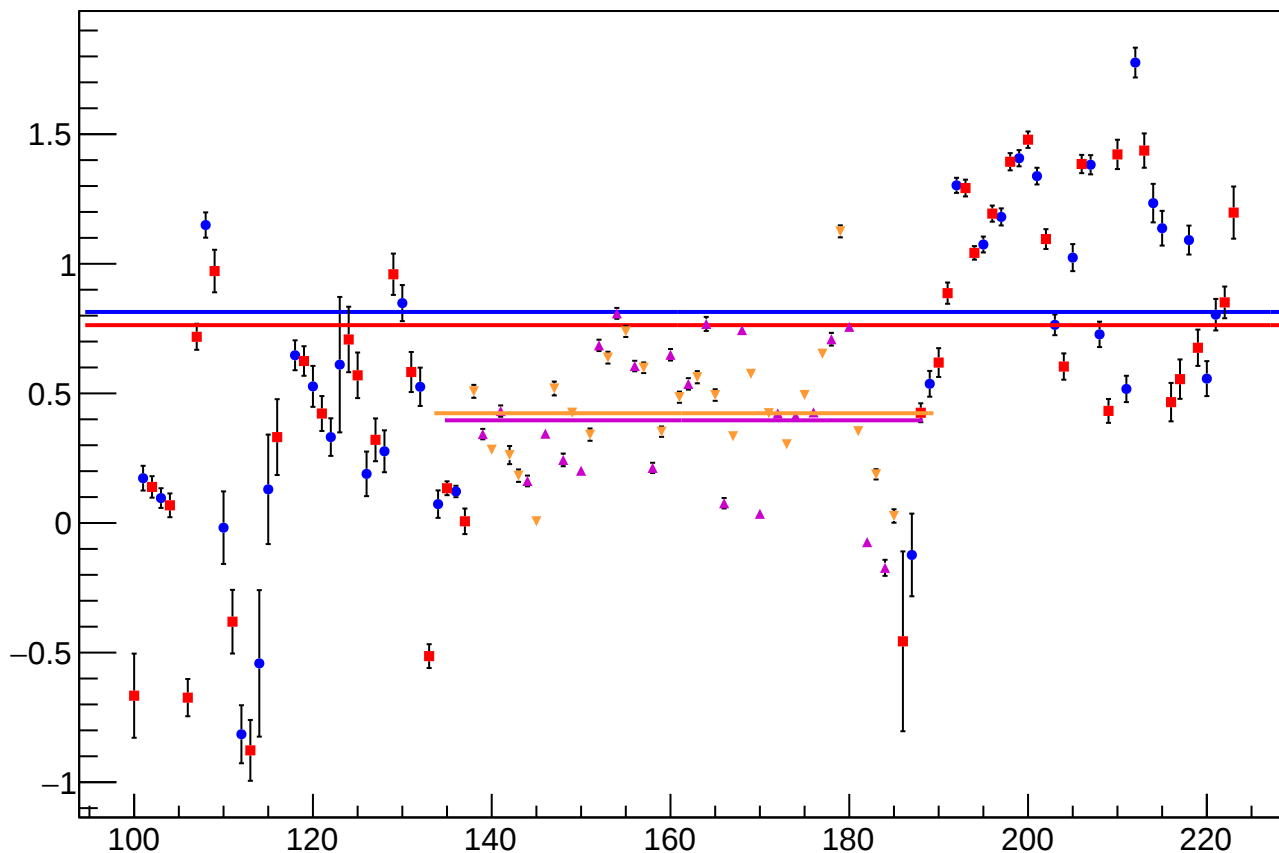
Left In: -70.061 ± 0.092 $\chi^2/\text{NDF}: 13058.5/22$

+ sign -70.821 ± 0.080 $\chi^2/\text{NDF}: 57047.0/59$

All: -70.302 ± 0.057 $\chi^2/\text{NDF}: 118279.0/121$

- sign -69.767 ± 0.082 $\chi^2/\text{NDF}: 61147.1/61$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.814 ± 0.008 χ^2/NDF : 4053.9/34

Left Out: 0.424 ± 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.763 ± 0.008 χ^2/NDF : 5159.0/38

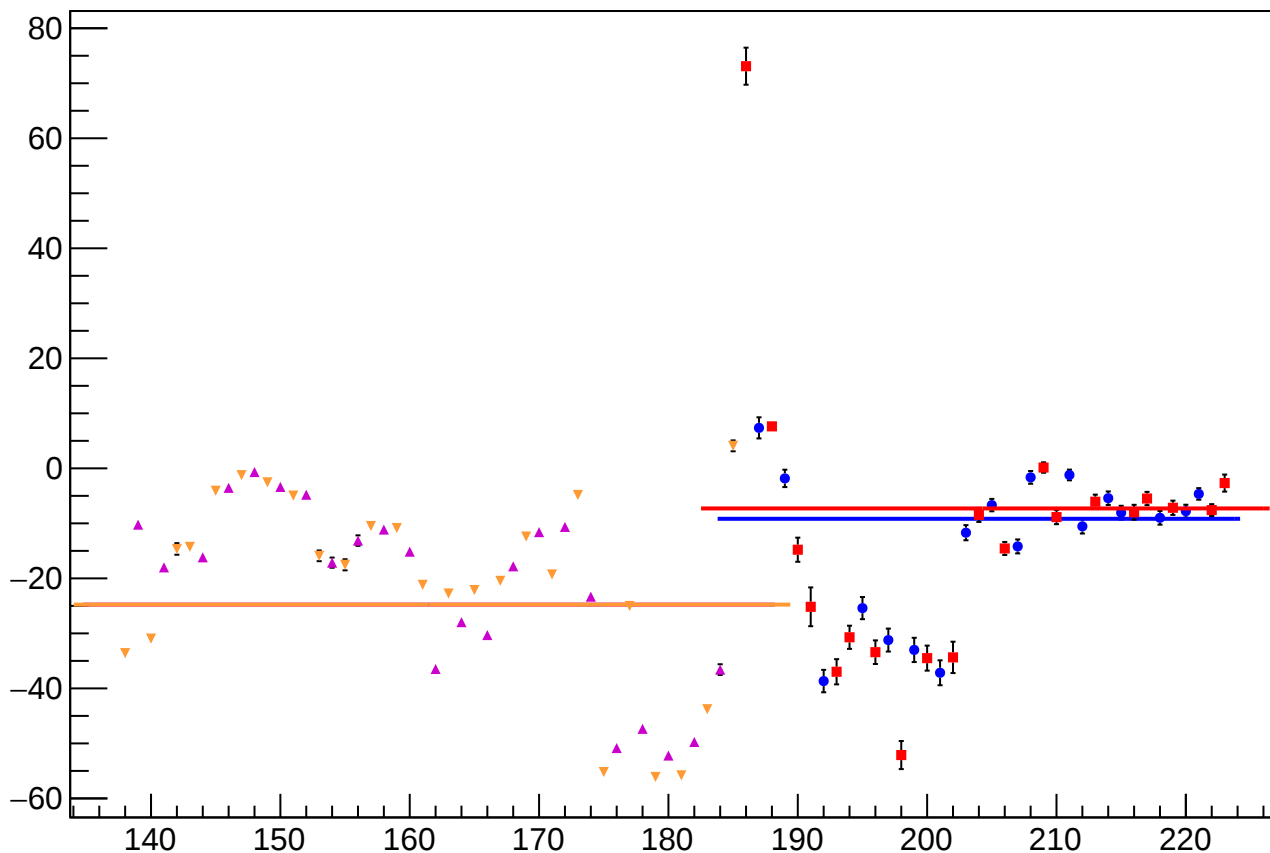
Left In: 0.396 ± 0.004 χ^2/NDF : 4051.5/22

+ sign 0.502 ± 0.004 χ^2/NDF : 8778.1/59

All: 0.490 ± 0.003 χ^2/NDF : 19729.7/121

- sign 0.477 ± 0.004 χ^2/NDF : 10927.9/61

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -9.170 ± 0.321 $\chi^2/\text{NDF}: 915.6/17$

Left Out: -24.769 ± 0.139 $\chi^2/\text{NDF}: 18318.8/24$

Right Out: -7.289 ± 0.320 $\chi^2/\text{NDF}: 2049.9/19$

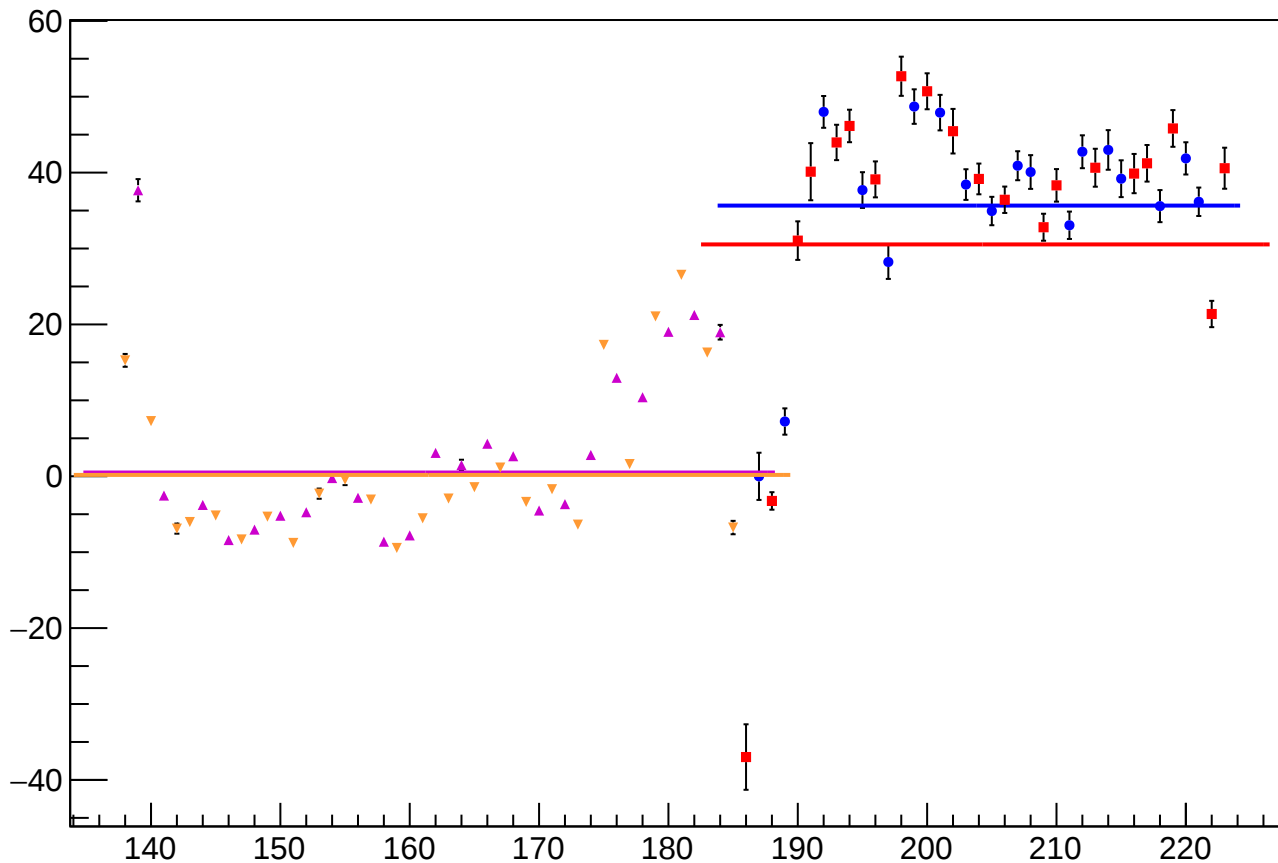
Left In: -24.775 ± 0.143 $\chi^2/\text{NDF}: 14807.4/22$

+ sign -22.299 ± 0.128 $\chi^2/\text{NDF}: 21216.9/42$

All: -22.088 ± 0.091 $\chi^2/\text{NDF}: 40573.1/85$

- sign -21.869 ± 0.130 $\chi^2/\text{NDF}: 19350.6/42$

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 35.655 $\pm$ 0.500 χ^2 /NDF: 553.0/17

Left Out: 0.177 $\pm$ 0.109 χ^2 /NDF:8295.6/24

Right Out: 30.540 $\pm$ 0.483 χ^2 /NDF: 1557.7/19

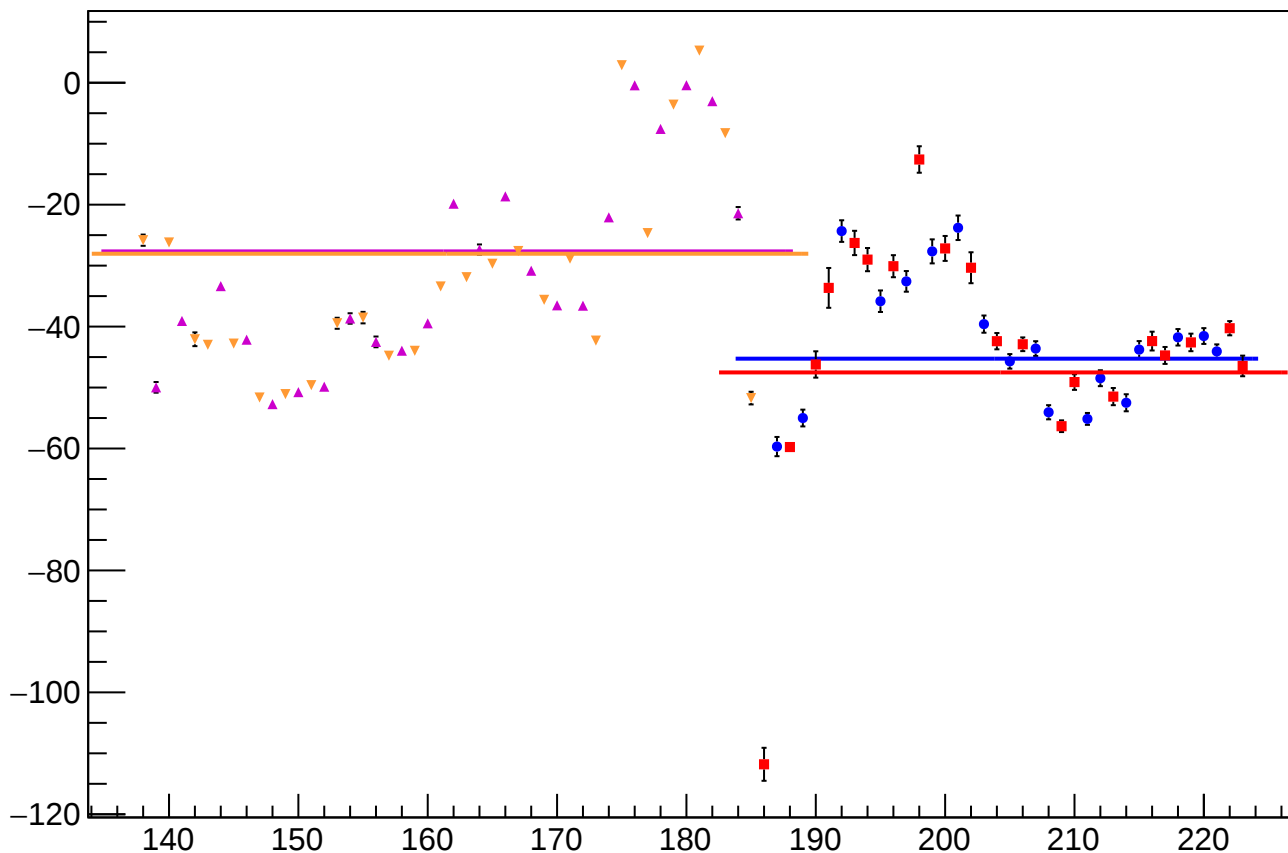
Left In: 0.493 $\pm$ 0.112 χ^2 /NDF:6555.4/22

+ sign 1.773 $\pm$ 0.106 χ^2 /NDF: 13655.4/42

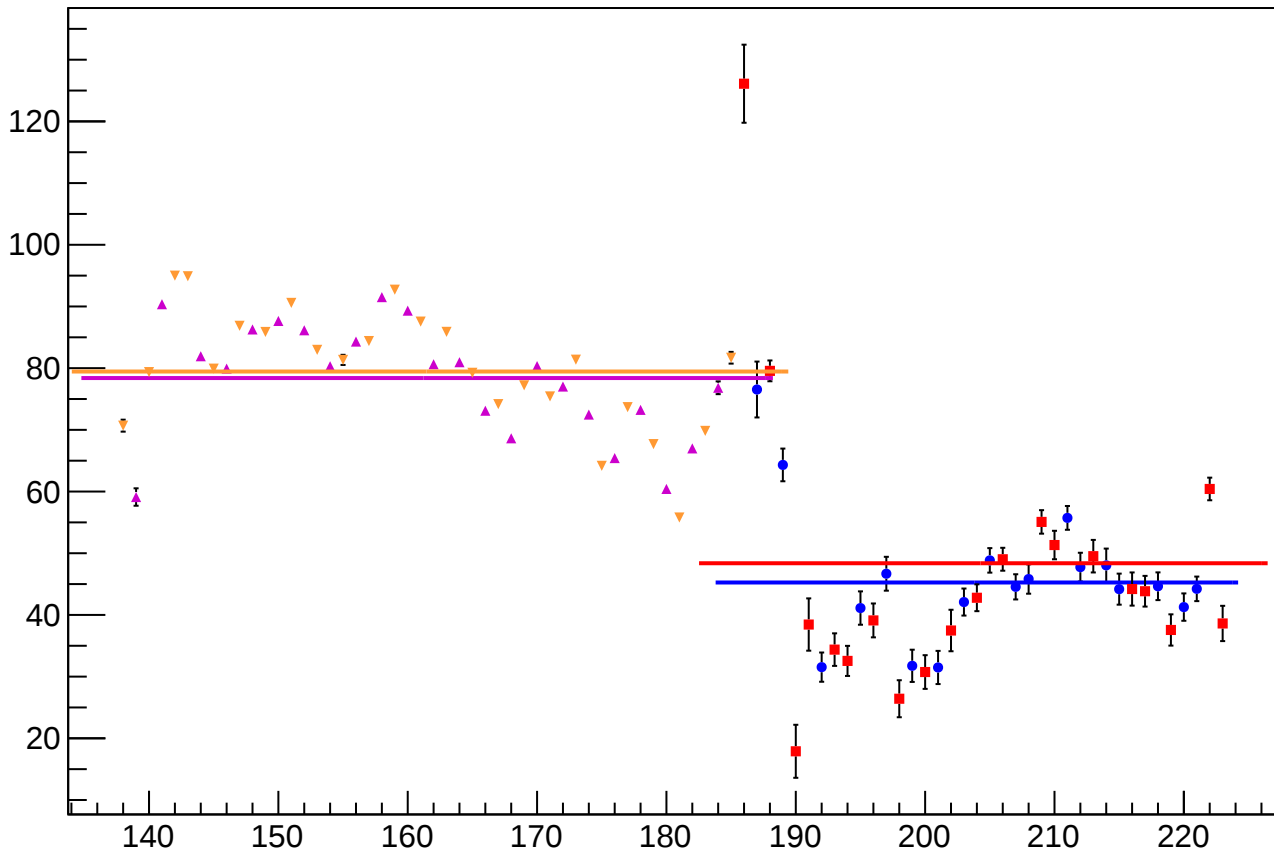
All: 1.898 $\pm$ 0.076 χ^2 /NDF: 25445.4/85

- sign 2.030 $\pm$ 0.109 χ^2 /NDF: 11787.2/42

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 45.257 $\pm$ 0.559 χ^2/NDF : 229.5/17

Left Out: 79.456 $\pm$ 0.123 χ^2/NDF : 6077.1/24

Right Out: 48.377 $\pm$ 0.555 χ^2/NDF : 835.8/19

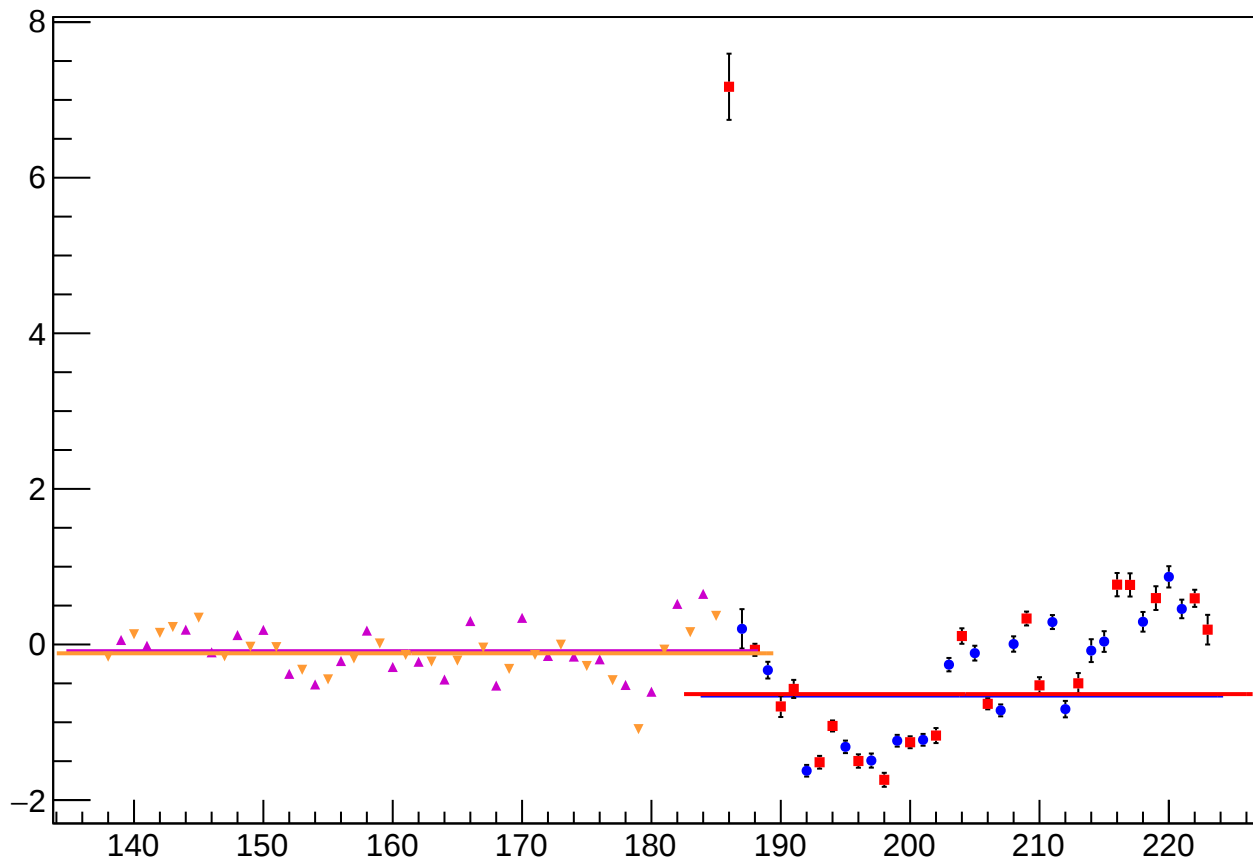
Left In: 78.396 $\pm$ 0.127 χ^2/NDF : 4707.3/22

+ sign 77.871 $\pm$ 0.120 χ^2/NDF : 9878.7/42

All: 77.402 $\pm$ 0.086 χ^2/NDF : 18235.3/85

- sign 76.907 $\pm$ 0.124 χ^2/NDF : 8325.3/42

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.656 ± 0.023 χ^2/NDF : 983.0/17

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.638 ± 0.022 χ^2/NDF : 1450.5/19

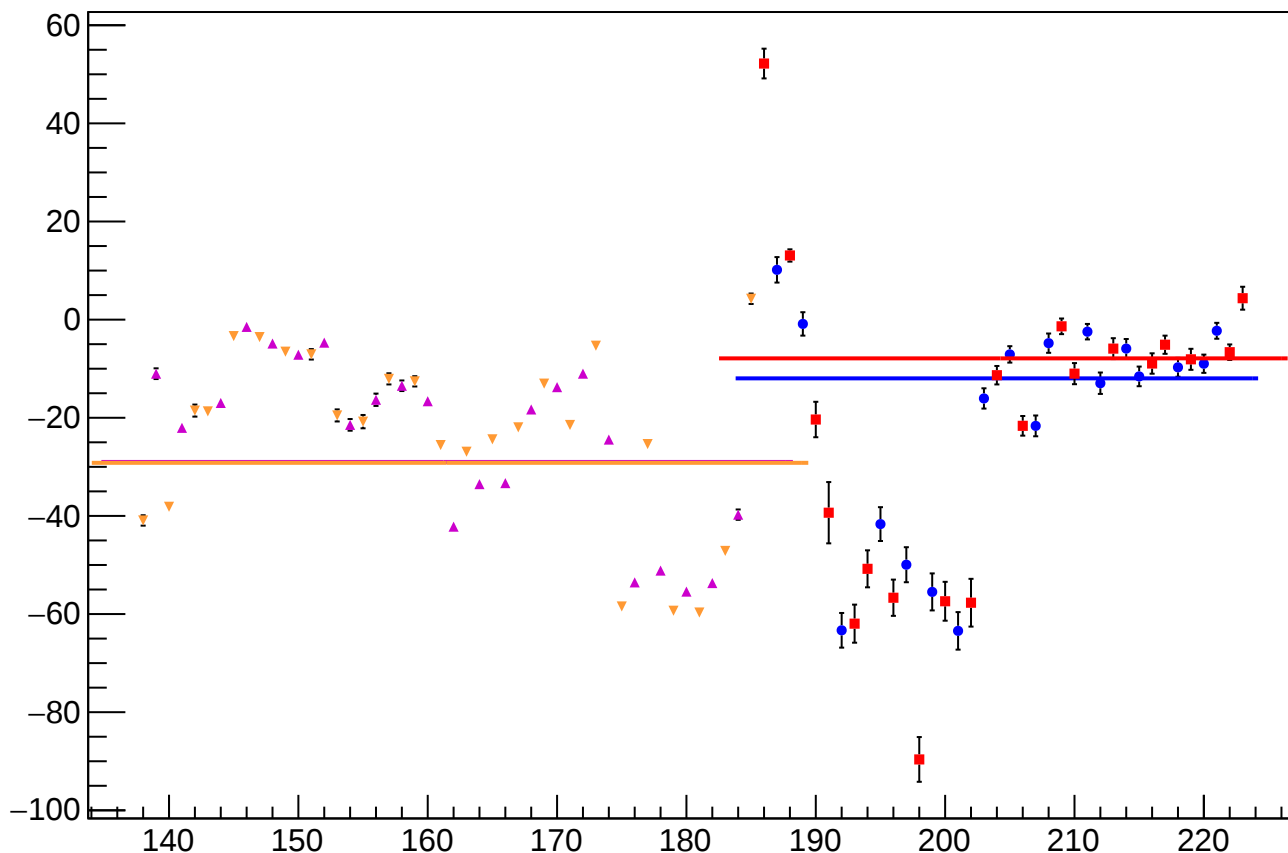
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.145 ± 0.006 χ^2/NDF : 3820.3/42

All: -0.133 ± 0.004 χ^2/NDF : 8982.4/85

- sign -0.121 ± 0.006 χ^2/NDF : 5152.6/42

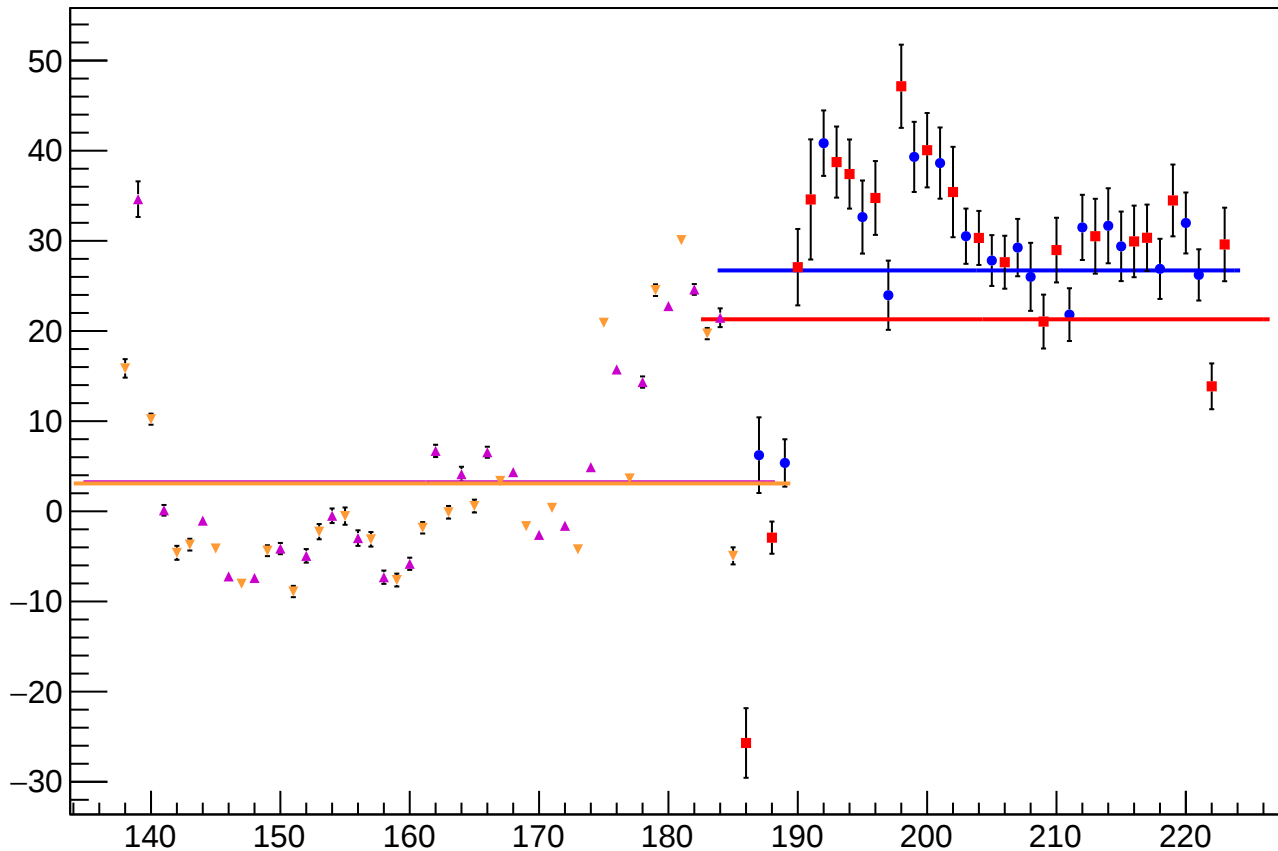
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -11.968 ± 0.510 χ^2/NDF : 939.6/17
 Left Out: -29.180 ± 0.157 χ^2/NDF : 16912.2/24
 Right Out: -7.894 ± 0.506 χ^2/NDF : 1892.2/19
 Left In: -29.003 ± 0.160 χ^2/NDF : 13416.8/22

+ sign -27.696 ± 0.150 χ^2/NDF : 18891.4/42
 All: -27.398 ± 0.107 χ^2/NDF : 35789.5/85
 - sign -27.090 ± 0.152 χ^2/NDF : 16890.1/42

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 26.718 $\pm$ 0.801 χ^2 /NDF: 138.5/17

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF:8084.1/24

Right Out: 21.298 $\pm$ 0.770 χ^2 /NDF: 503.8/19

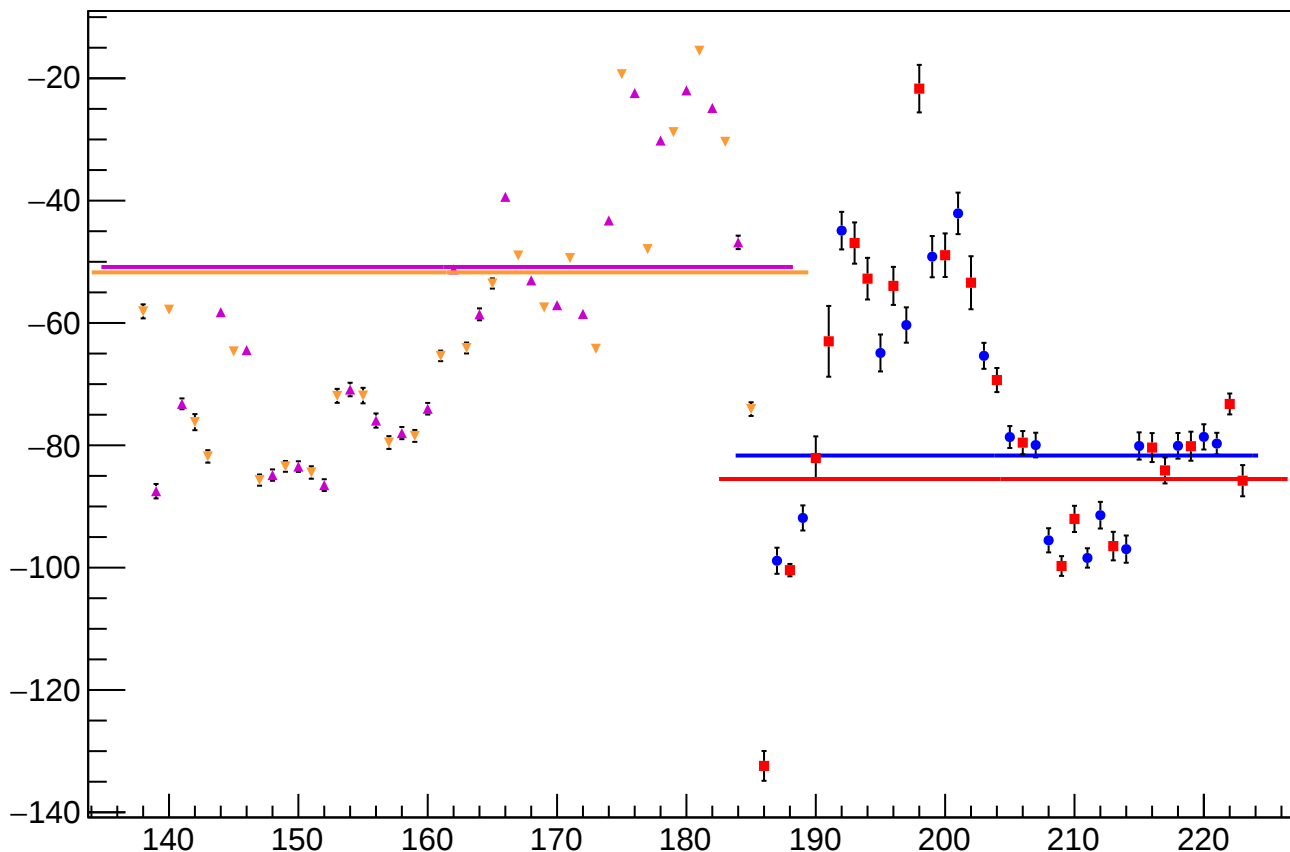
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF:6237.6/22

+ sign 3.647 $\pm$ 0.123 χ^2 /NDF: 9071.5/42

All: 3.673 $\pm$ 0.088 χ^2 /NDF: 16349.8/85

- sign 3.700 $\pm$ 0.125 χ^2 /NDF: 7278.1/42

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -81.671 ± 0.513 χ^2/NDF : 842.9/17

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -85.511 ± 0.492 χ^2/NDF : 1608.6/19

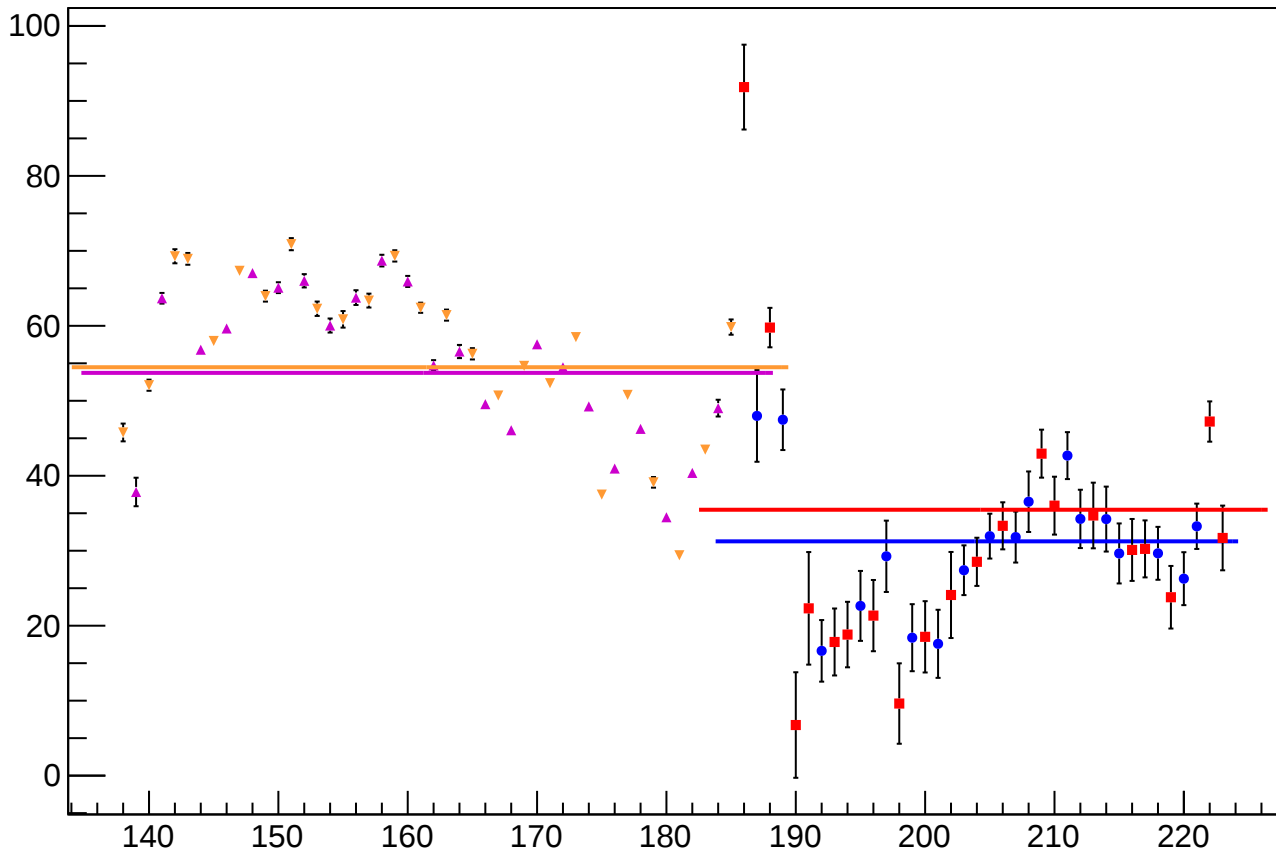
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -54.319 ± 0.151 χ^2/NDF : 23491.2/42

All: -54.240 ± 0.107 χ^2/NDF : 46857.0/85

- sign -54.160 ± 0.152 χ^2/NDF : 23365.2/42

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 31.252 ± 0.898 $\chi^2/\text{NDF}: 77.5/17$

Left Out: 54.476 ± 0.140 $\chi^2/\text{NDF}: 6266.9/24$

Right Out: 35.467 ± 0.890 $\chi^2/\text{NDF}: 325.0/19$

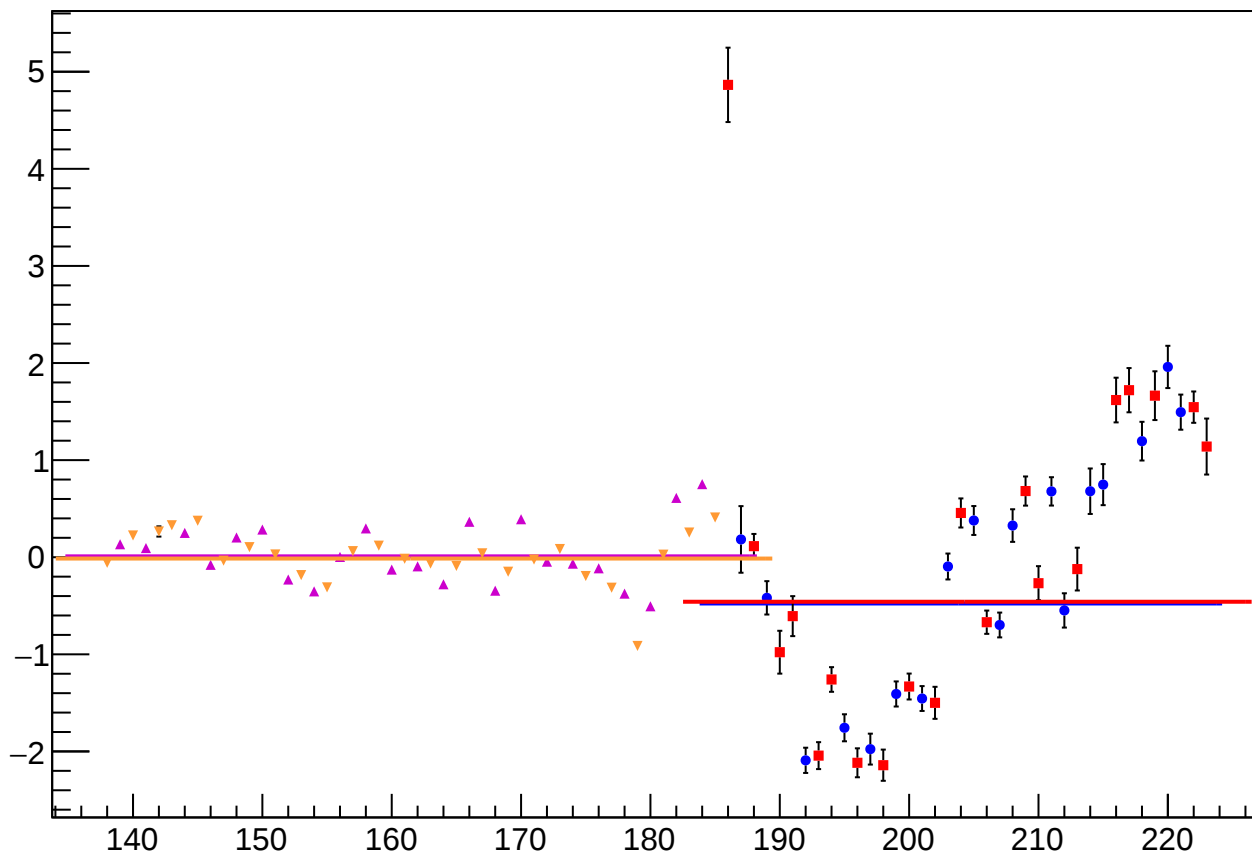
Left In: 53.724 ± 0.143 $\chi^2/\text{NDF}: 4585.7/22$

+ sign 53.923 ± 0.139 $\chi^2/\text{NDF}: 6997.3/42$

All: 53.600 ± 0.099 $\chi^2/\text{NDF}: 12329.3/85$

- sign 53.264 ± 0.141 $\chi^2/\text{NDF}: 5320.9/42$

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.476 ± 0.038 χ^2/NDF : 944.1/17

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -0.459 ± 0.037 χ^2/NDF : 1237.2/19

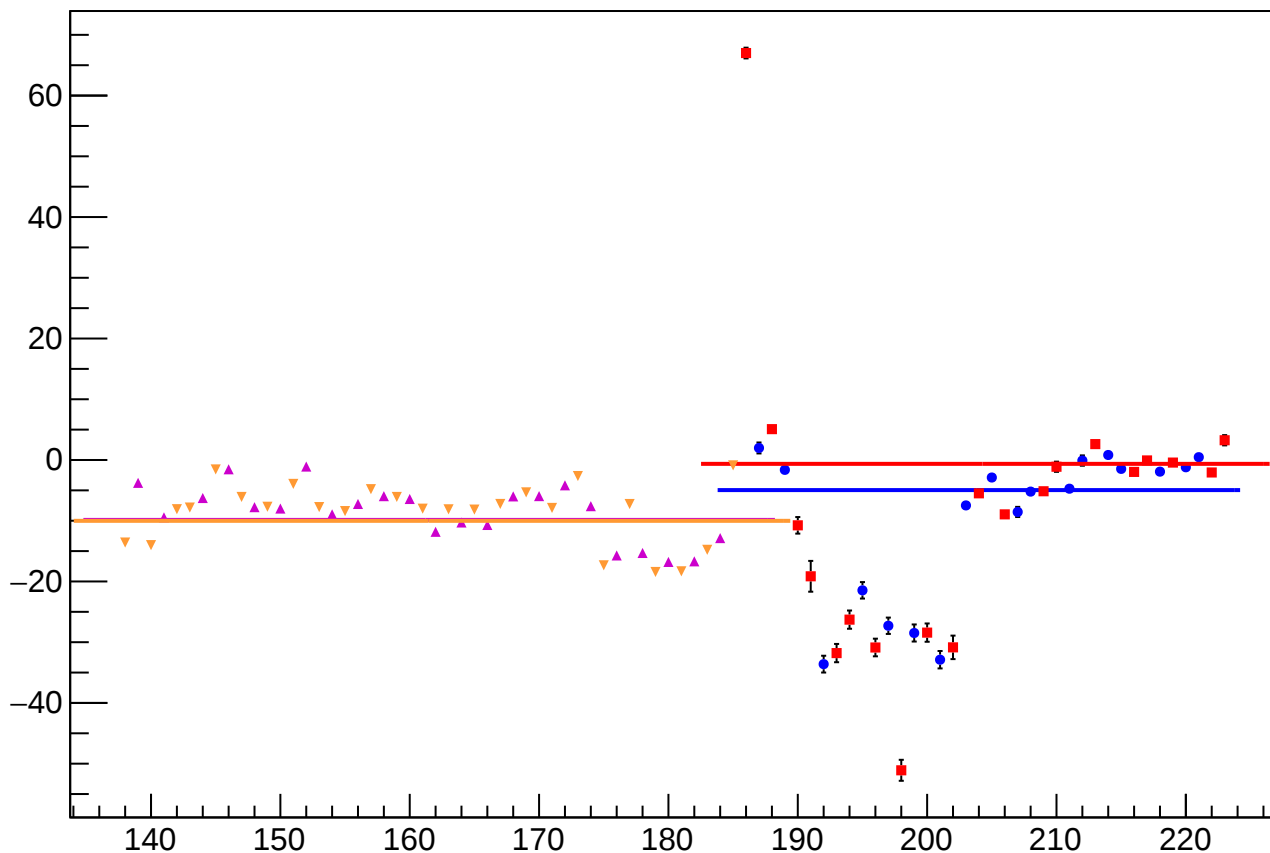
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.027 ± 0.006 χ^2/NDF : 2746.1/42

All: -0.016 ± 0.005 χ^2/NDF : 6362.6/85

- sign -0.005 ± 0.006 χ^2/NDF : 3610.6/42

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.956 ± 0.192 χ^2/NDF : 1874.9/17

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: -0.636 ± 0.188 χ^2/NDF : 8964.3/19

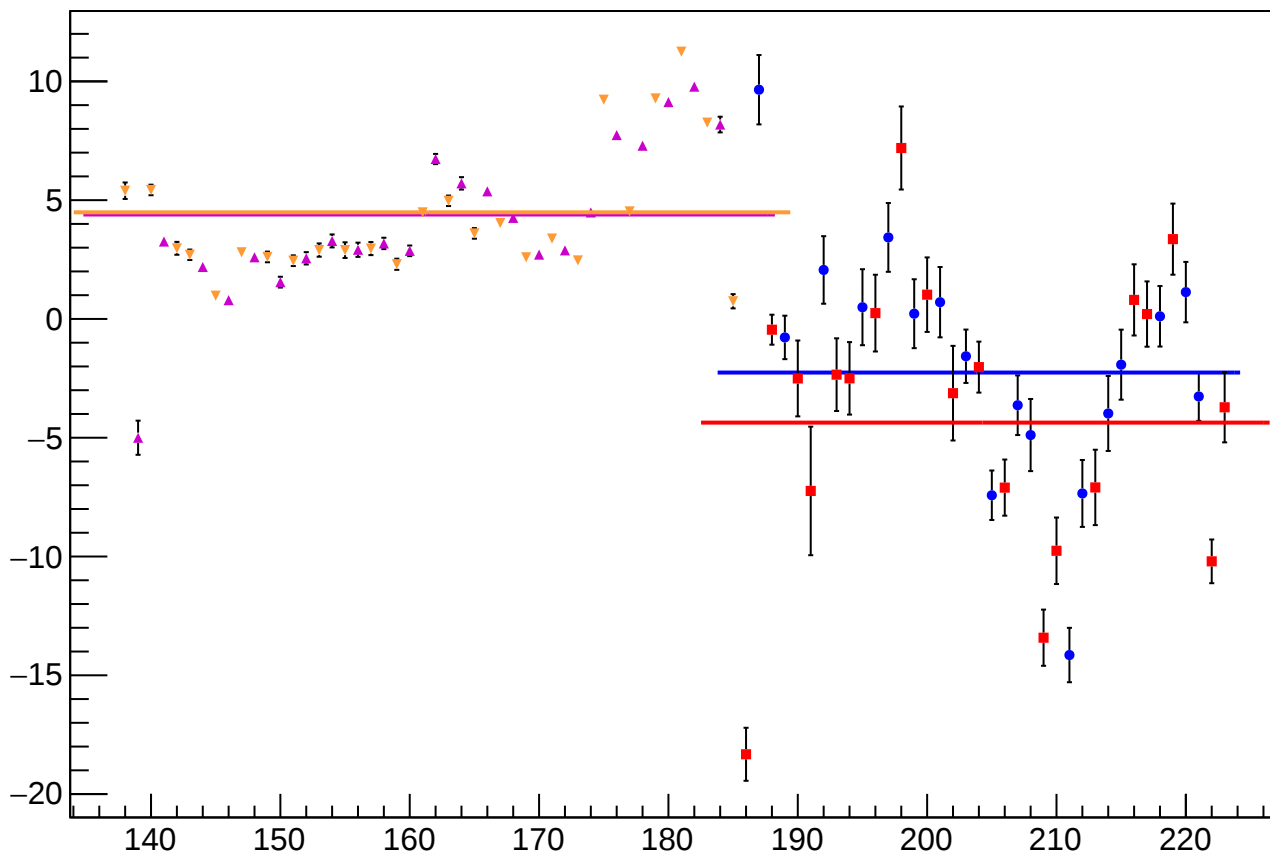
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.688 ± 0.049 χ^2/NDF : 15077.1/42

All: -9.458 ± 0.035 χ^2/NDF : 35676.0/85

- sign -9.223 ± 0.050 χ^2/NDF : 20554.4/42

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: -2.256 ± 0.301 χ^2/NDF : 266.5/17

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -4.363 ± 0.285 χ^2/NDF : 441.2/19

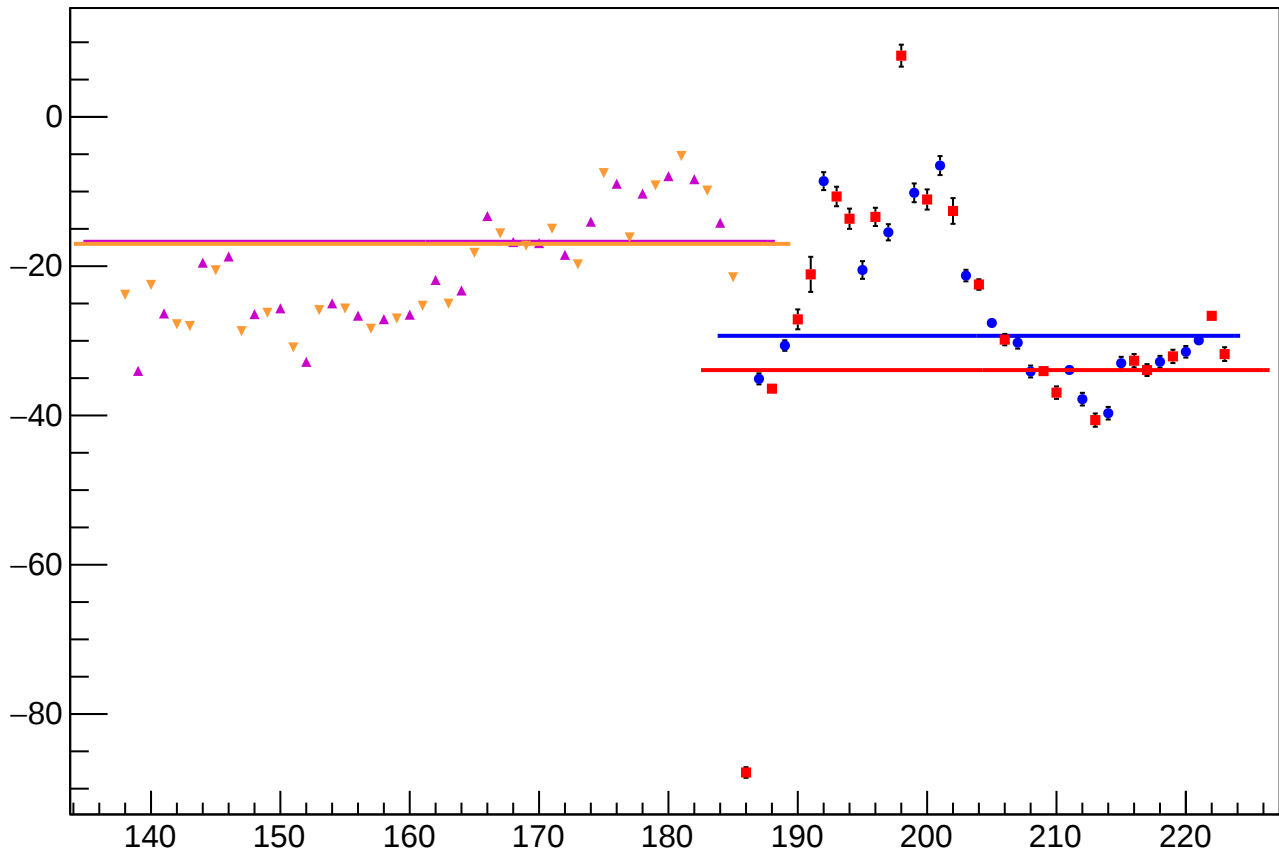
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.368 ± 0.040 χ^2/NDF : 5592.6/42

All: 4.293 ± 0.029 χ^2/NDF : 11198.6/85

- sign 4.216 ± 0.041 χ^2/NDF : 5599.0/42

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -29.328 ± 0.193 $\chi^2/\text{NDF}: 1637.9/17$

Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$

Right Out: -33.921 ± 0.182 $\chi^2/\text{NDF}: 8444.7/19$

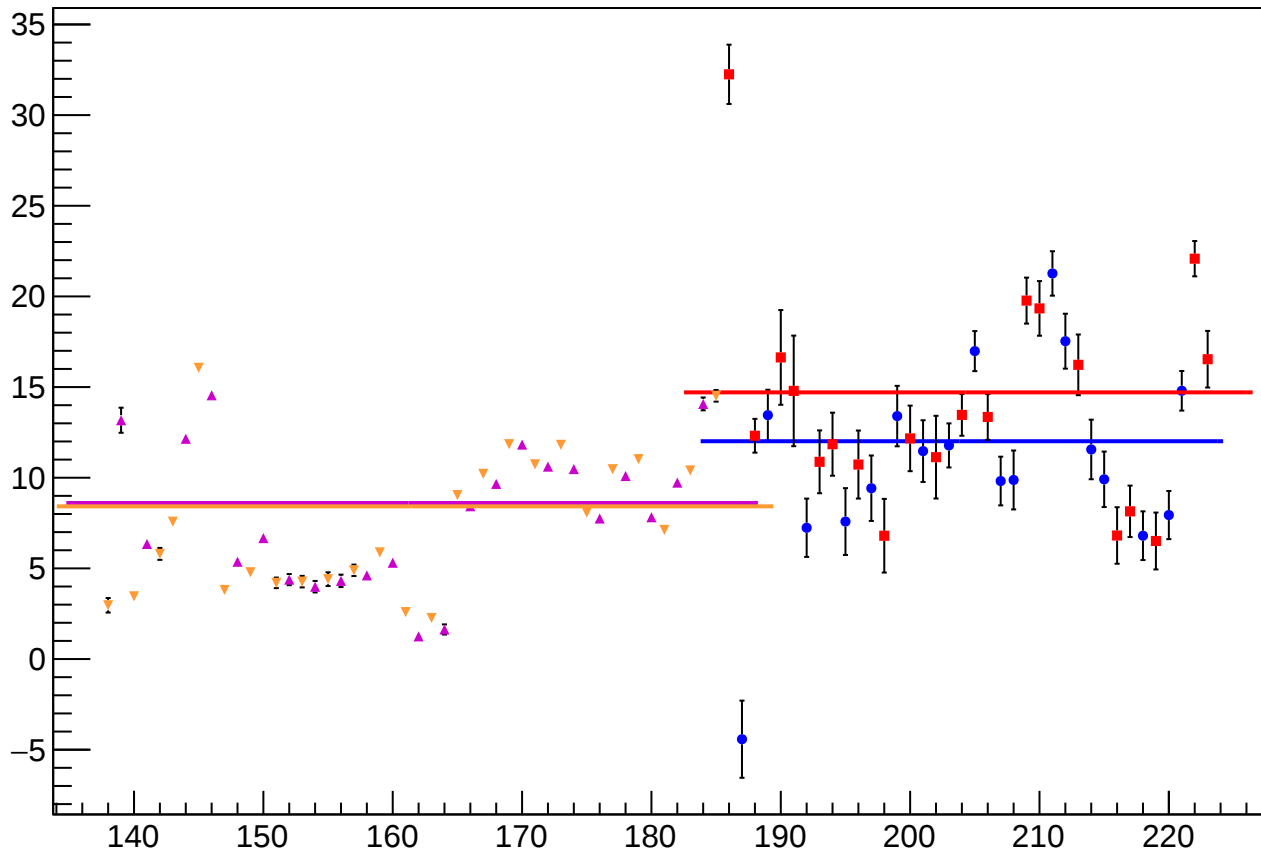
Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.816 ± 0.049 $\chi^2/\text{NDF}: 27546.1/42$

All: -17.914 ± 0.035 $\chi^2/\text{NDF}: 63073.1/85$

- sign -18.014 ± 0.050 $\chi^2/\text{NDF}: 35519.0/42$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 12.013+/-0.339 χ^2/NDF : 206.1/17

Left Out: 8.422+/-0.046 χ^2/NDF : 6470.1/24

Right Out: 14.708+/-0.332 χ^2/NDF : 315.5/19

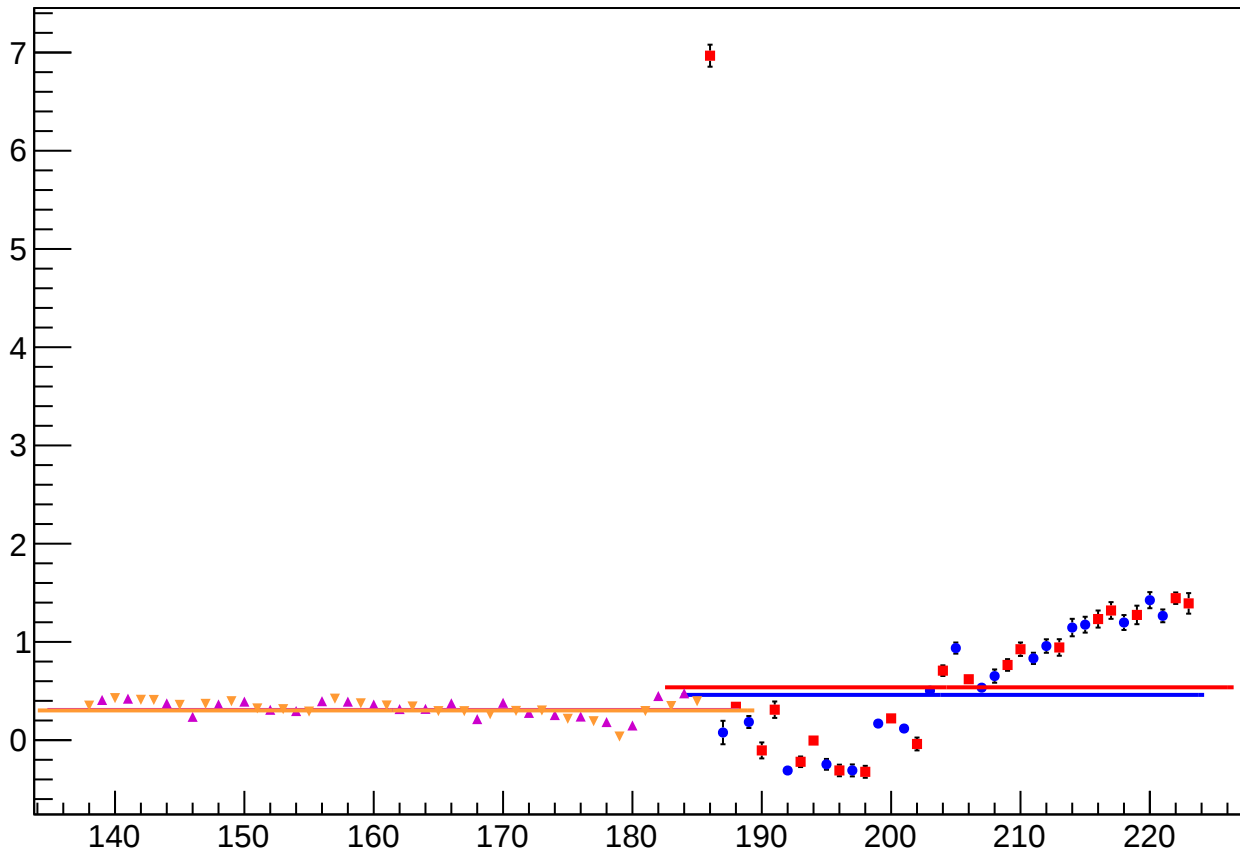
Left In: 8.606+/-0.046 χ^2/NDF : 5504.2/22

+ sign 8.486+/-0.045 χ^2/NDF : 6786.6/42

All: 8.602+/-0.032 χ^2/NDF : 12950.5/85

- sign 8.722+/-0.046 χ^2/NDF : 6150.4/42

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.461 ± 0.014 χ^2/NDF : 1369.6/17

Left Out: 0.302 ± 0.002 χ^2/NDF : 1590.9/24

Right Out: 0.538 ± 0.014 χ^2/NDF : 4809.5/19

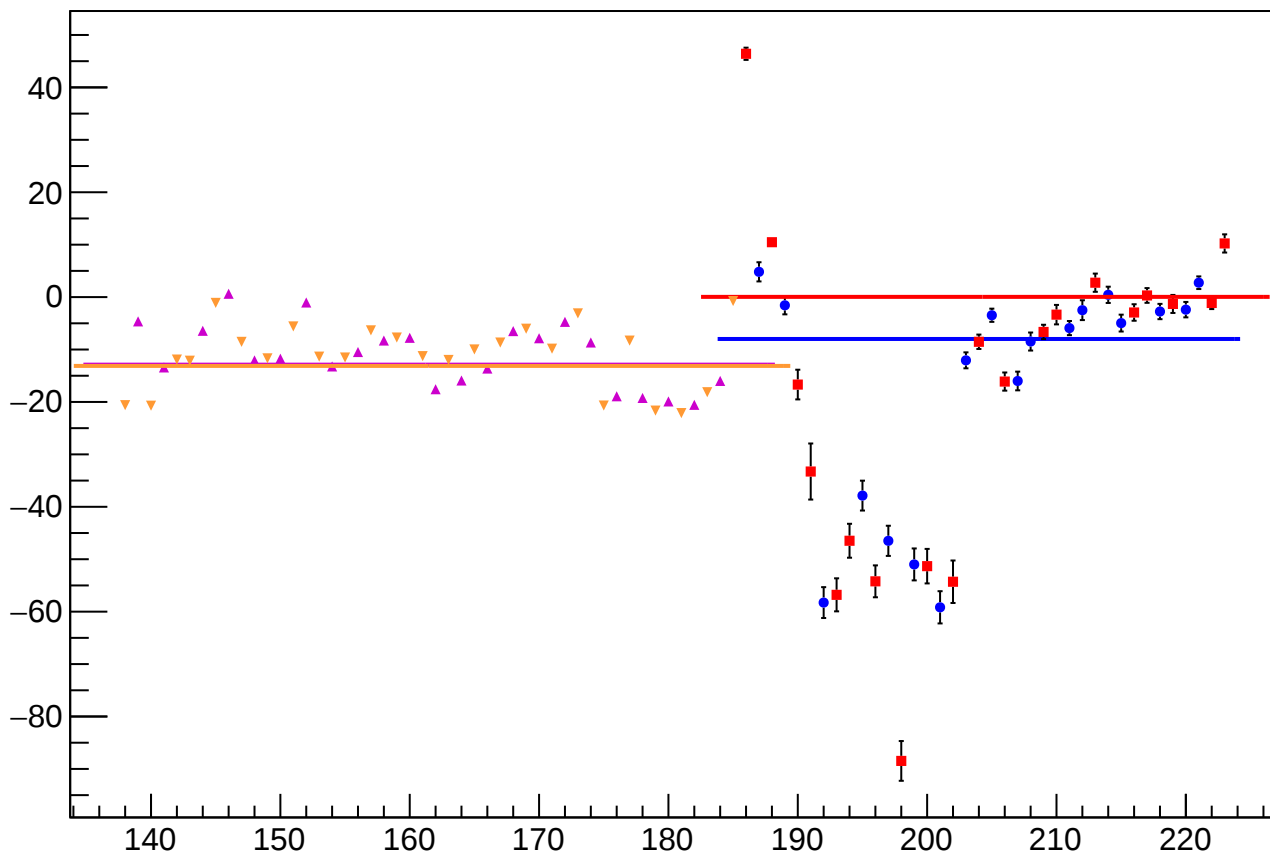
Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.306 ± 0.002 χ^2/NDF : 3080.0/42

All: 0.309 ± 0.001 χ^2/NDF : 9852.1/85

- sign 0.312 ± 0.002 χ^2/NDF : 6767.3/42

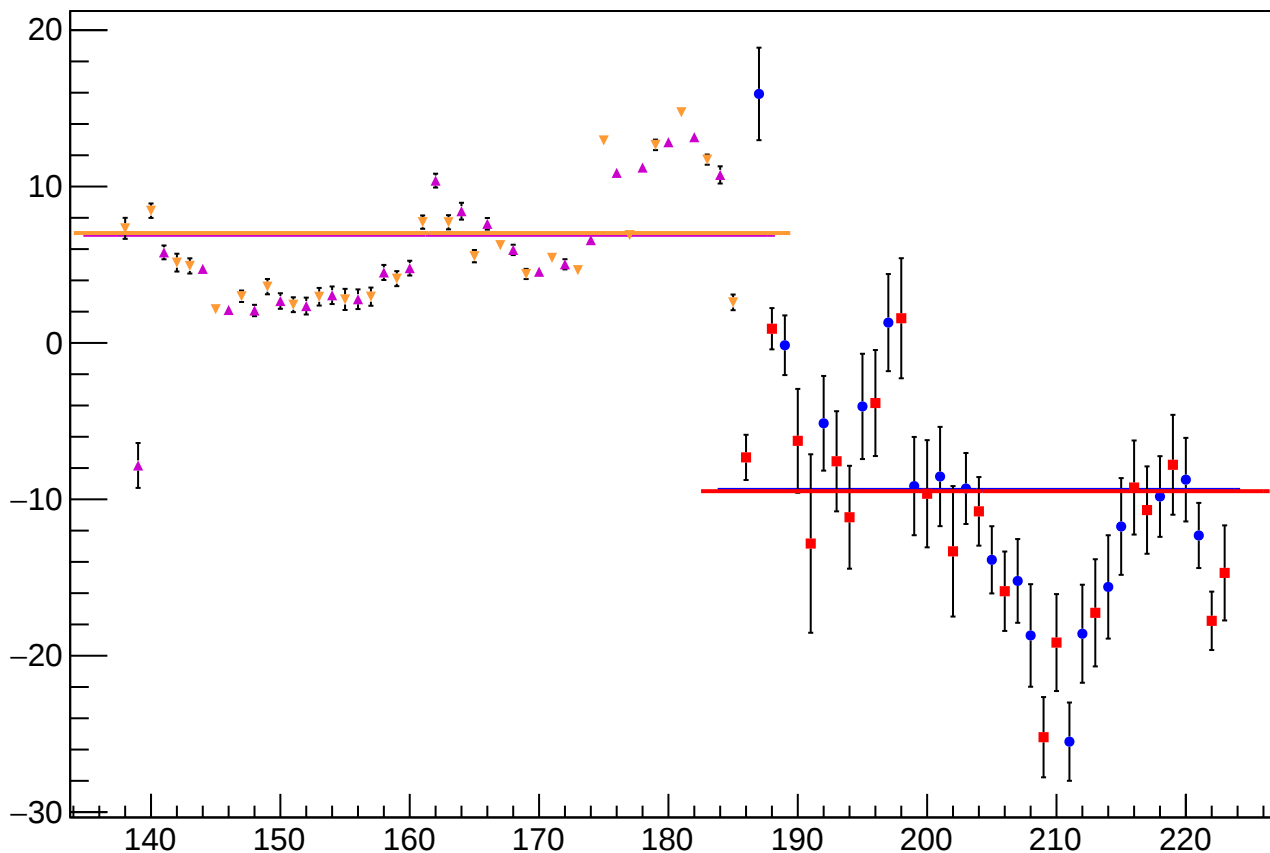
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -7.987 ± 0.402 $\chi^2/\text{NDF}: 1311.0/17$
 Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$
 Right Out: 0.045 ± 0.380 $\chi^2/\text{NDF}: 3792.3/19$
 Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -12.861 ± 0.091 $\chi^2/\text{NDF}: 7443.3/42$
 All: -12.497 ± 0.065 $\chi^2/\text{NDF}: 17131.3/85$
 - sign -12.125 ± 0.092 $\chi^2/\text{NDF}: 9655.8/42$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -9.397 ± 0.631 χ^2/NDF : 186.5/17

Left Out: 7.028 ± 0.077 χ^2/NDF : 2665.3/24

Right Out: -9.479 ± 0.568 χ^2/NDF : 160.3/19

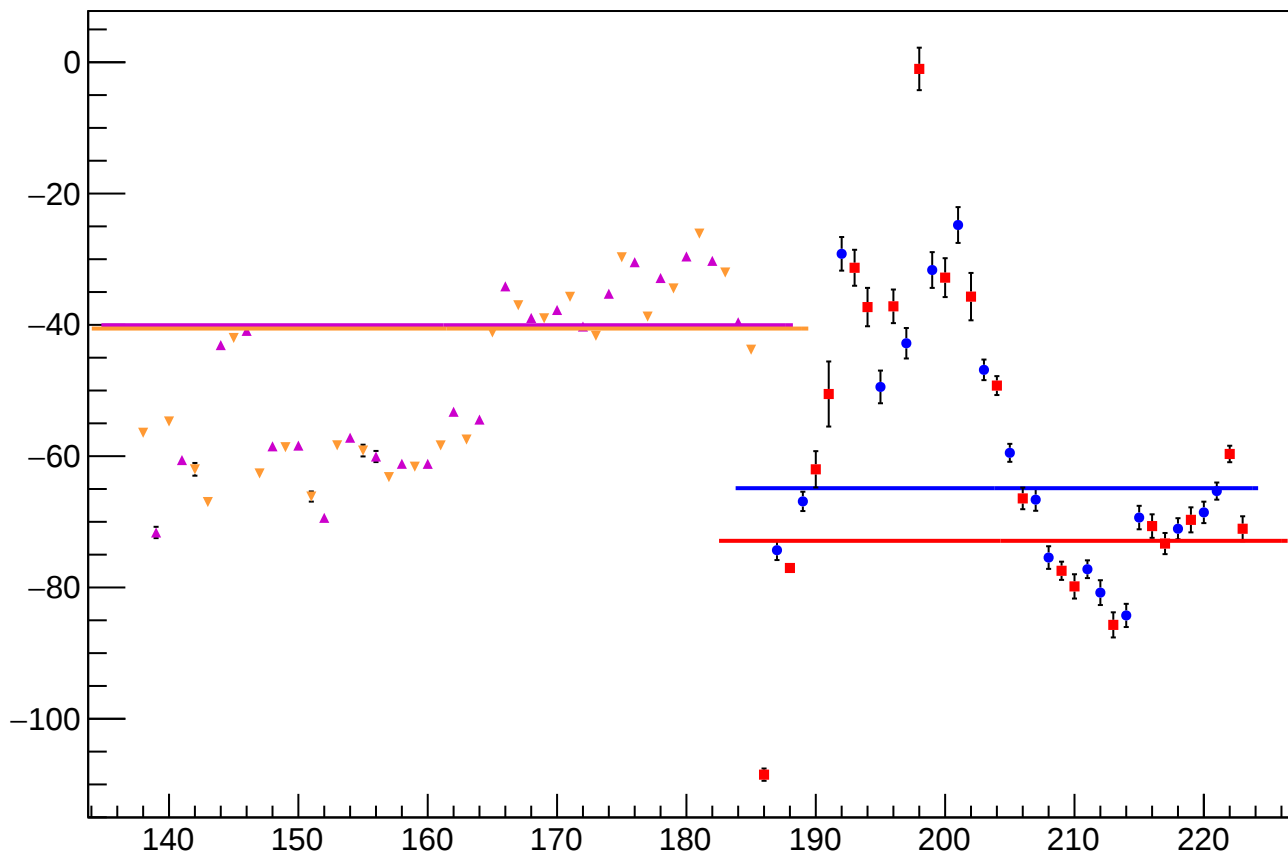
Left In: 6.914 ± 0.078 χ^2/NDF : 2428.2/22

+ sign 6.786 ± 0.077 χ^2/NDF : 3519.6/42

All: 6.700 ± 0.054 χ^2/NDF : 6927.8/85

- sign 6.613 ± 0.077 χ^2/NDF : 3405.7/42

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -64.876 ± 0.405 χ^2/NDF : 1216.8/17

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -72.895 ± 0.363 χ^2/NDF : 3342.9/19

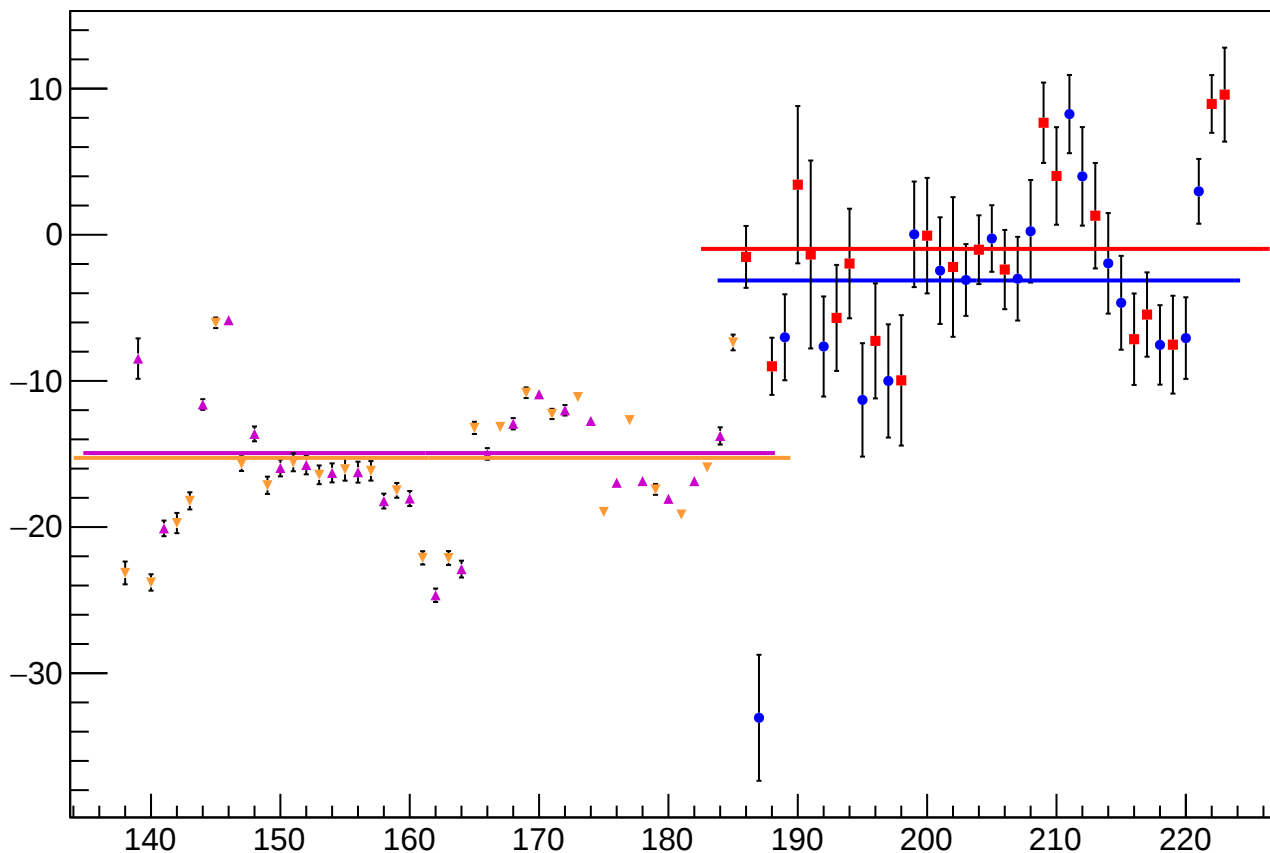
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -41.826 ± 0.092 χ^2/NDF : 20278.4/42

All: -42.006 ± 0.065 χ^2/NDF : 45214.0/85

- sign -42.187 ± 0.092 χ^2/NDF : 24928.1/42

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -3.128 ± 0.711 $\chi^2/\text{NDF}: 97.6/17$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -0.965 ± 0.675 $\chi^2/\text{NDF}: 85.0/19$

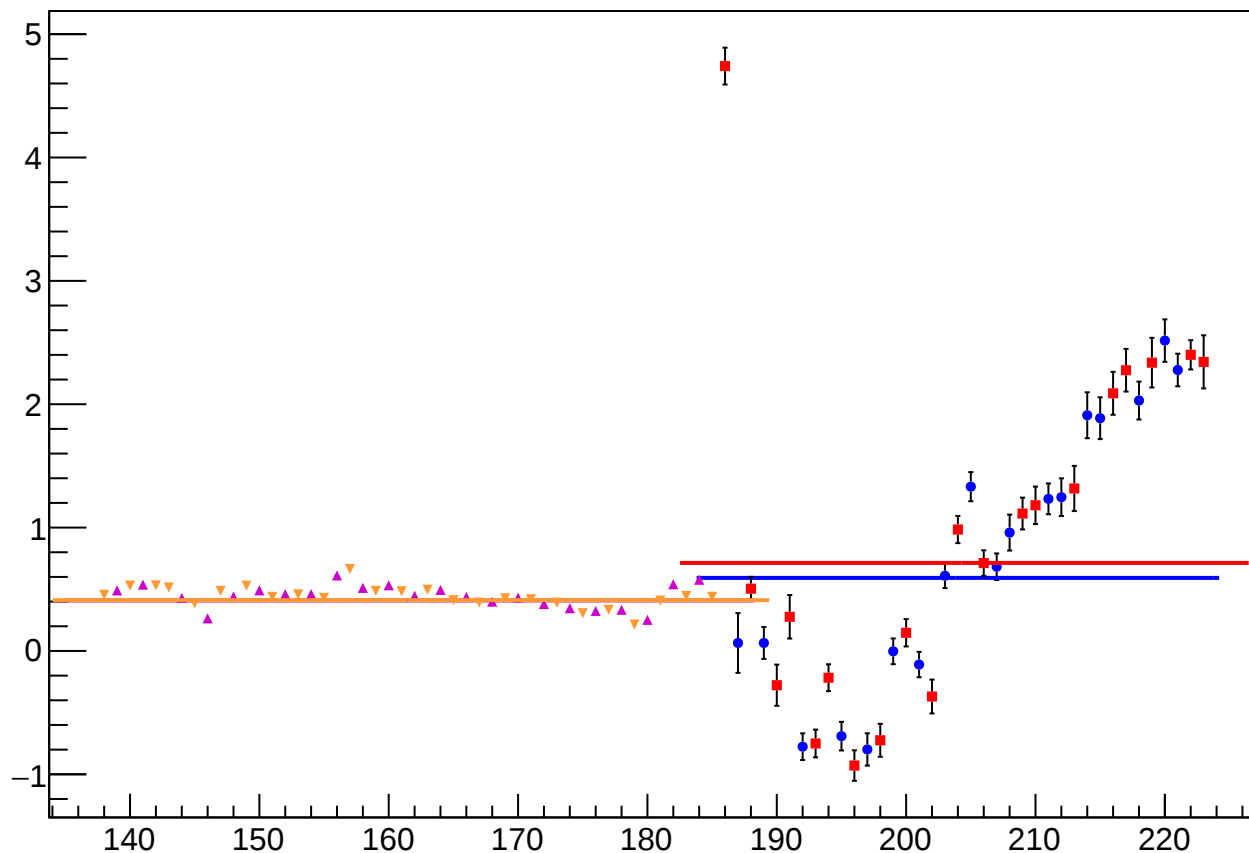
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.091 ± 0.085 $\chi^2/\text{NDF}: 2980.2/42$

All: -14.902 ± 0.061 $\chi^2/\text{NDF}: 5696.1/85$

- sign -14.709 ± 0.086 $\chi^2/\text{NDF}: 2705.9/42$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.592 ± 0.030 χ^2/NDF : 1069.7/17

Left Out: 0.411 ± 0.004 χ^2/NDF : 428.7/24

Right Out: 0.714 ± 0.030 χ^2/NDF : 1900.5/19

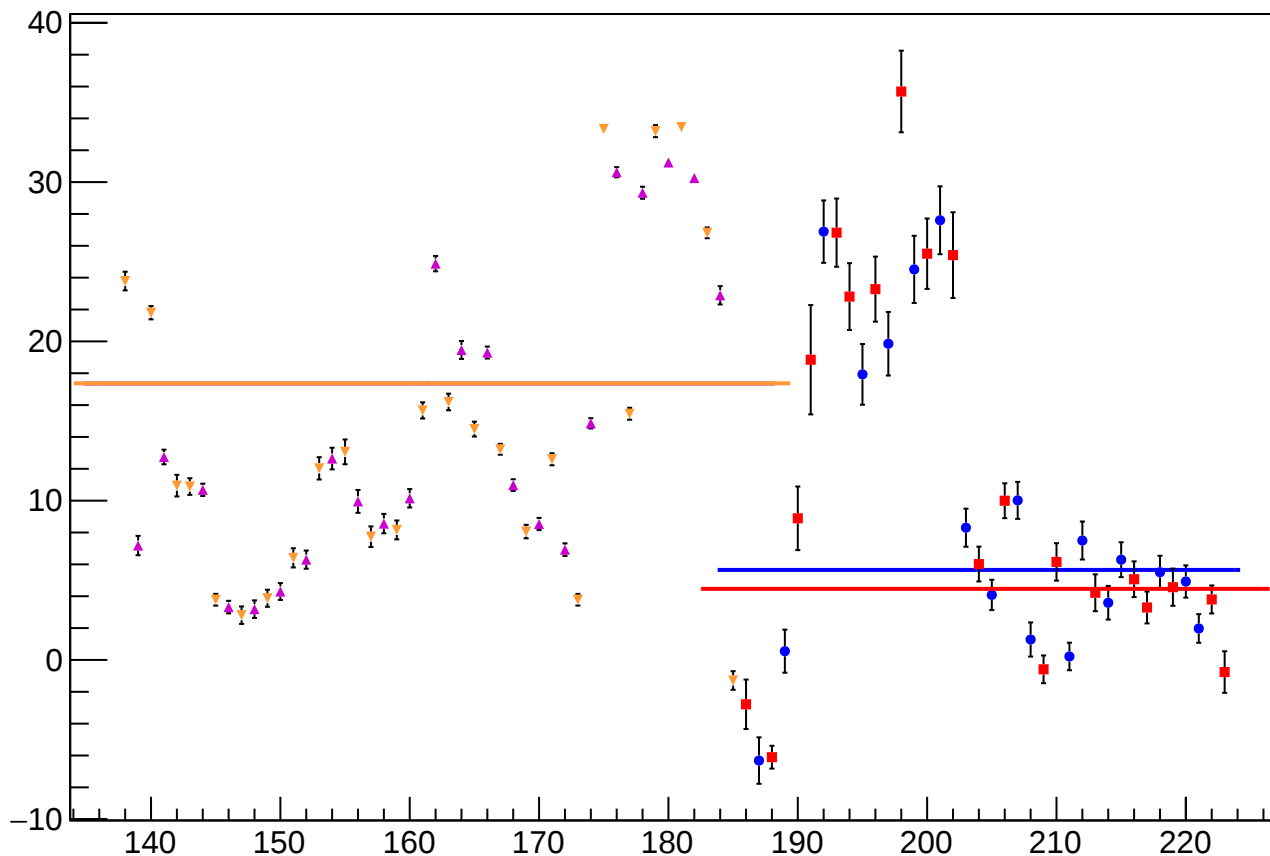
Left In: 0.409 ± 0.004 χ^2/NDF : 557.8/22

+ sign 0.414 ± 0.004 χ^2/NDF : 1533.4/42

All: 0.415 ± 0.003 χ^2/NDF : 4094.9/85

- sign 0.415 ± 0.004 χ^2/NDF : 2561.5/42

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 5.652 ± 0.282 χ^2/NDF : 579.0/17

Left Out: 17.367 ± 0.087 χ^2/NDF : 16337.6/24

Right Out: 4.464 ± 0.280 χ^2/NDF : 913.7/19

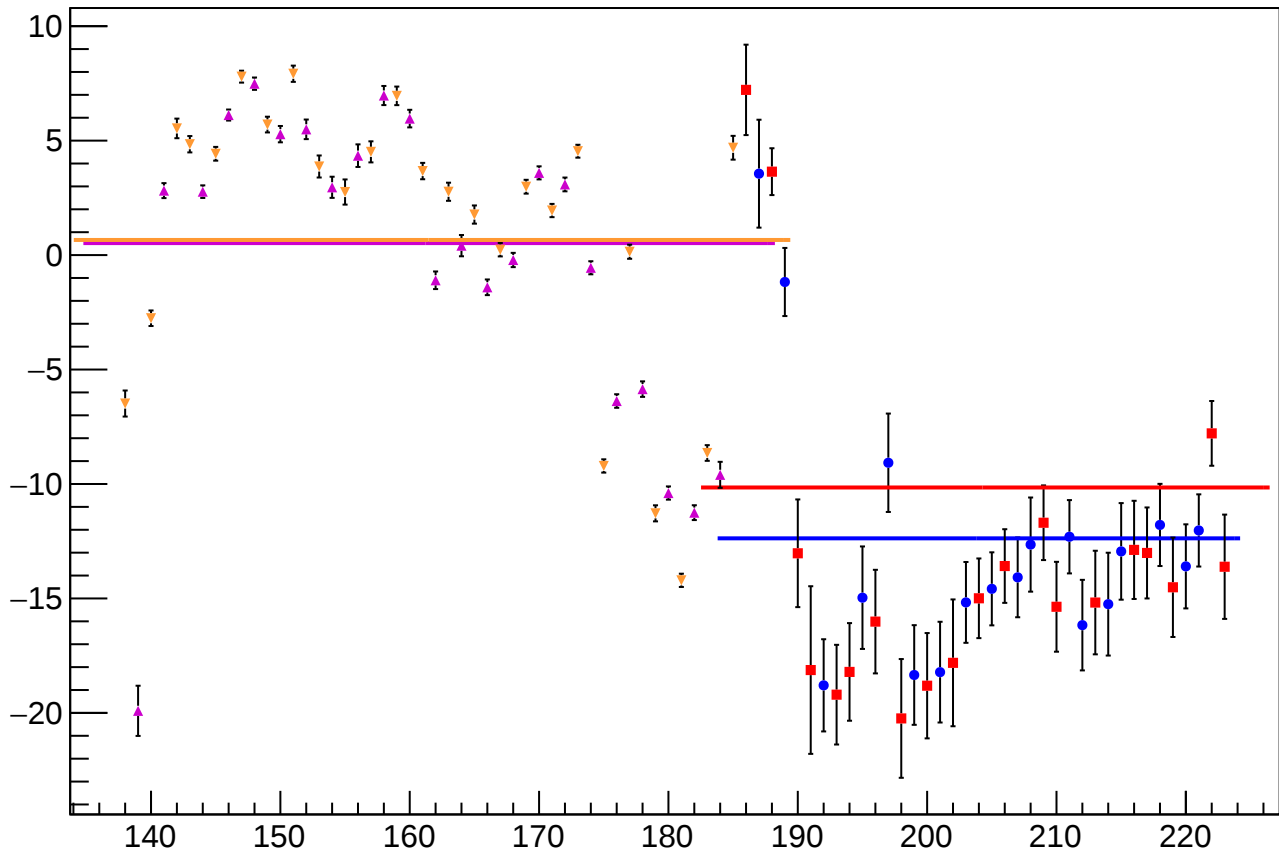
Left In: 17.355 ± 0.089 χ^2/NDF : 12745.1/22

+ sign 16.346 ± 0.083 χ^2/NDF : 18493.1/42

All: 16.262 ± 0.059 χ^2/NDF : 34078.8/85

- sign 16.175 ± 0.085 χ^2/NDF : 15583.6/42

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -12.374 ± 0.444 χ^2/NDF : 142.2/17

Left Out: 0.661 ± 0.069 χ^2/NDF : 8553.9/24

Right Out: -10.152 ± 0.427 χ^2/NDF : 378.7/19

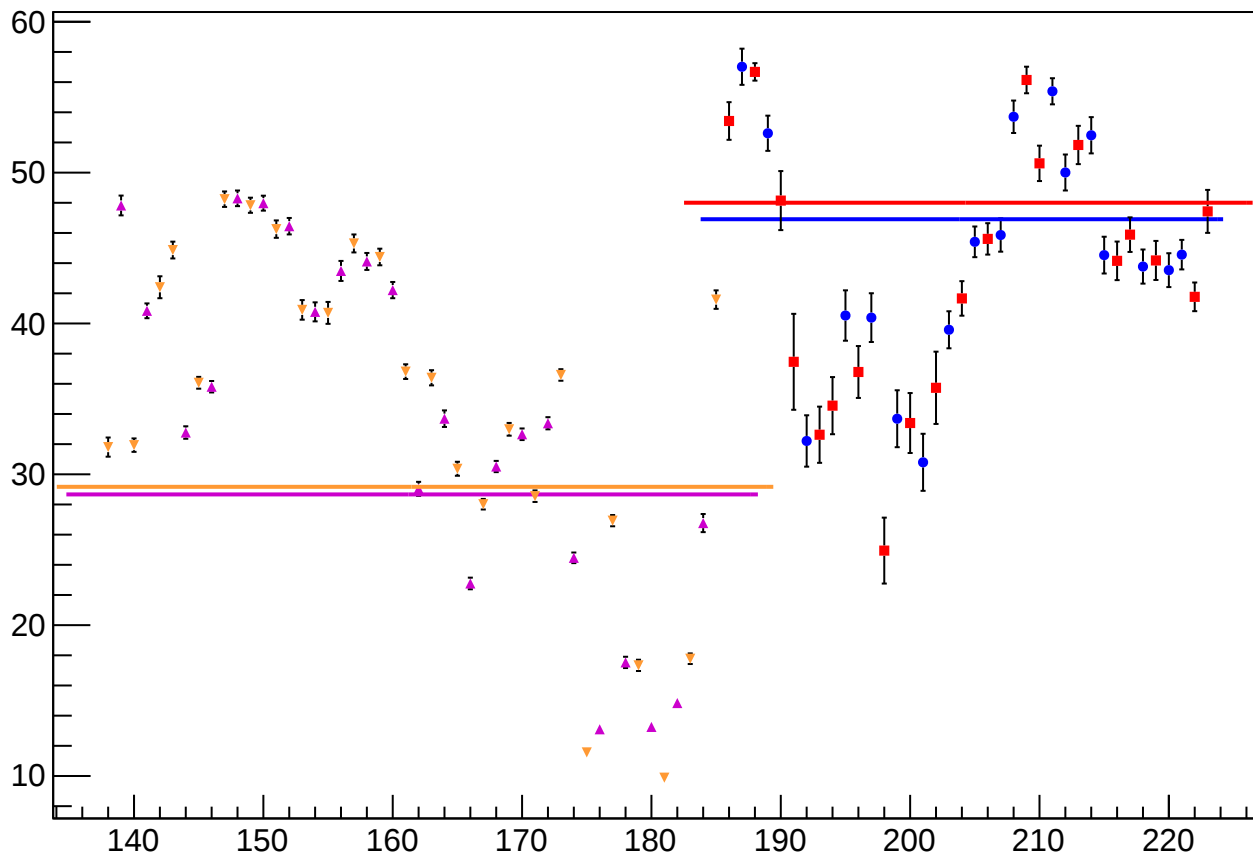
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.350 ± 0.069 χ^2/NDF : 9536.7/42

All: 0.295 ± 0.049 χ^2/NDF : 17254.8/85

- sign 0.238 ± 0.070 χ^2/NDF : 7716.8/42

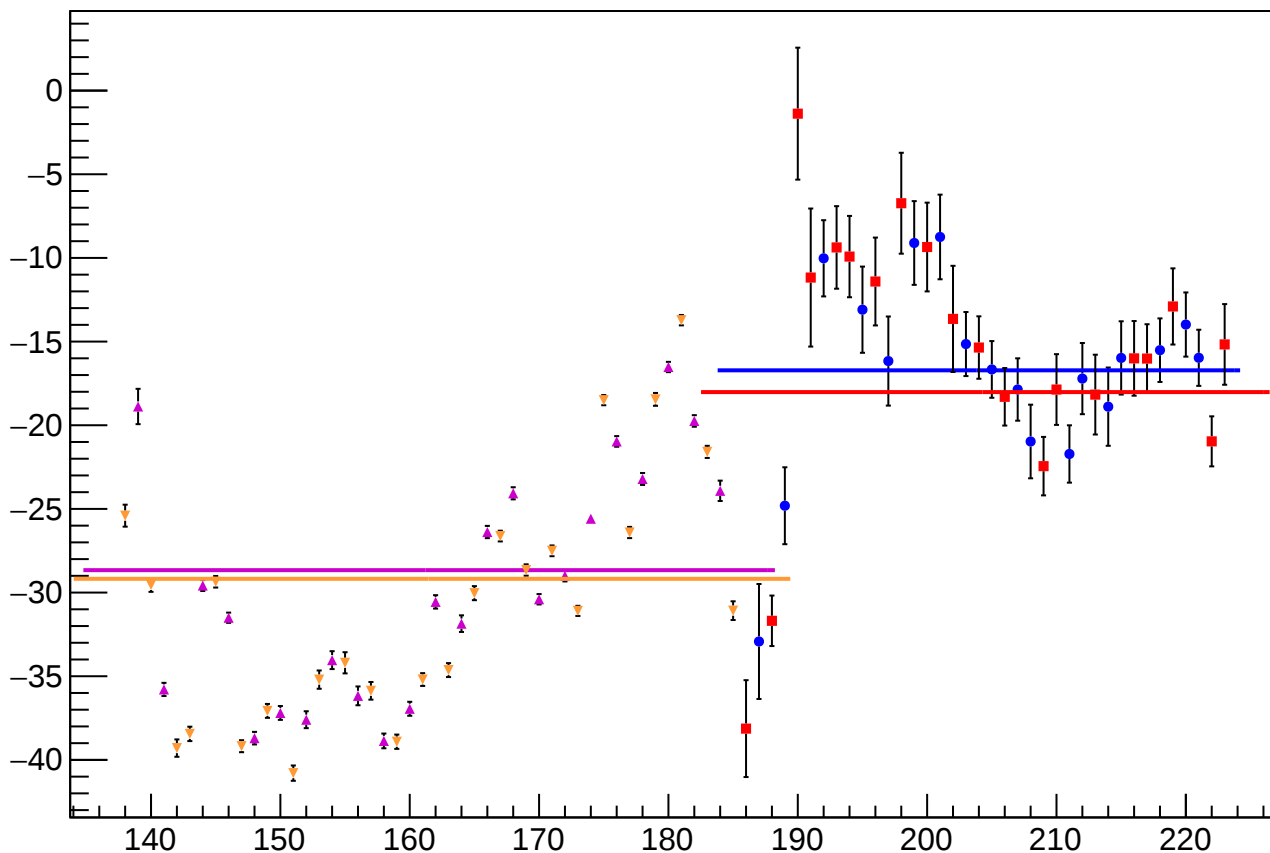
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 46.910 ± 0.284 $\chi^2/\text{NDF}: 551.2/17$
 Left Out: 29.171 ± 0.088 $\chi^2/\text{NDF}: 18974.7/24$
 Right Out: 48.005 ± 0.273 $\chi^2/\text{NDF}: 807.2/19$
 Left In: 28.667 ± 0.089 $\chi^2/\text{NDF}: 16847.2/22$

+ sign 30.720 ± 0.084 $\chi^2/\text{NDF}: 23091.6/42$
 All: 30.626 ± 0.060 $\chi^2/\text{NDF}: 45284.0/85$
 - sign 30.530 ± 0.085 $\chi^2/\text{NDF}: 22189.9/42$

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -16.718 ± 0.497 χ^2/NDF : 81.5/17

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -18.019 ± 0.493 χ^2/NDF : 227.8/19

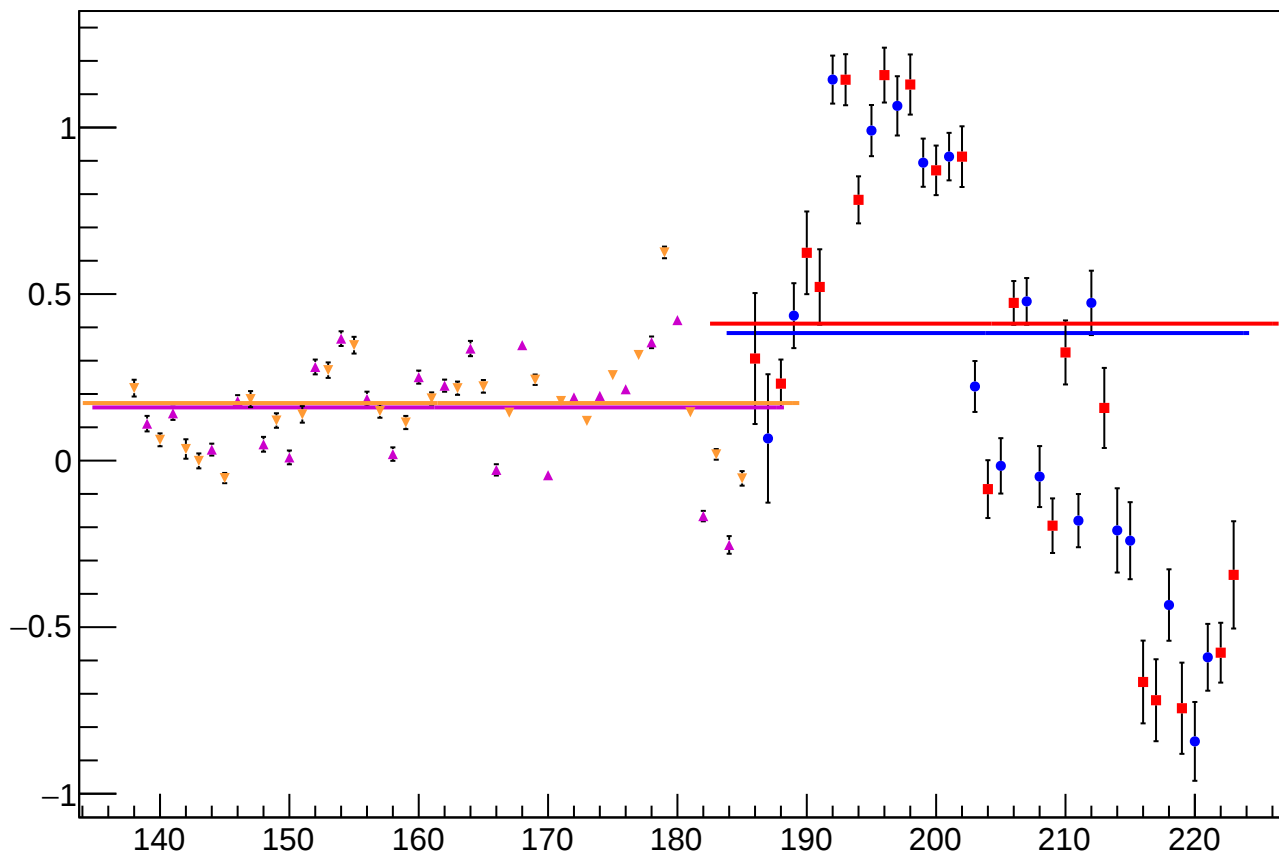
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -28.877 ± 0.077 χ^2/NDF : 9776.2/42

All: -28.638 ± 0.055 χ^2/NDF : 17147.8/85

- sign -28.388 ± 0.079 χ^2/NDF : 7352.0/42

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.383 ± 0.021 χ^2/NDF : 753.6/17

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.411 ± 0.021 χ^2/NDF : 810.3/19

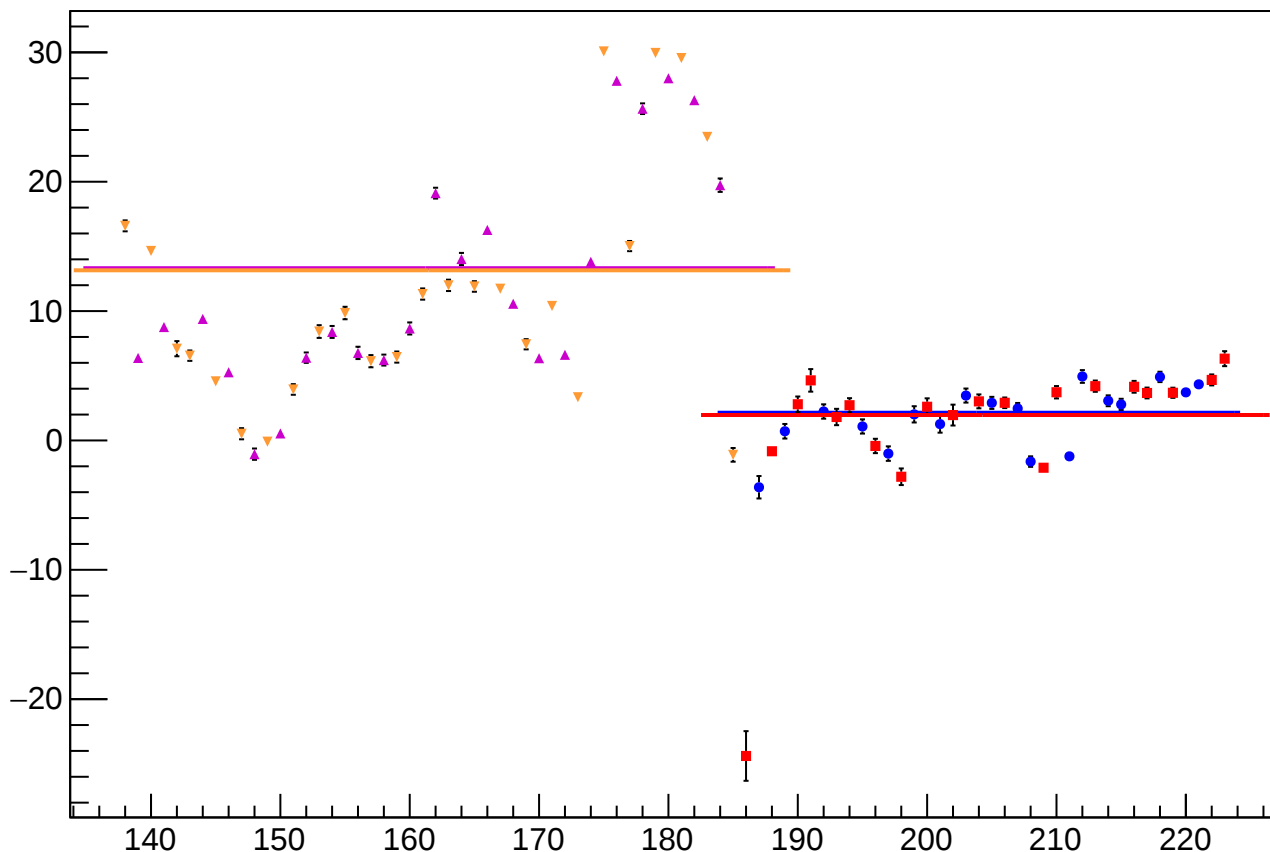
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.179 ± 0.004 χ^2/NDF : 2330.9/42

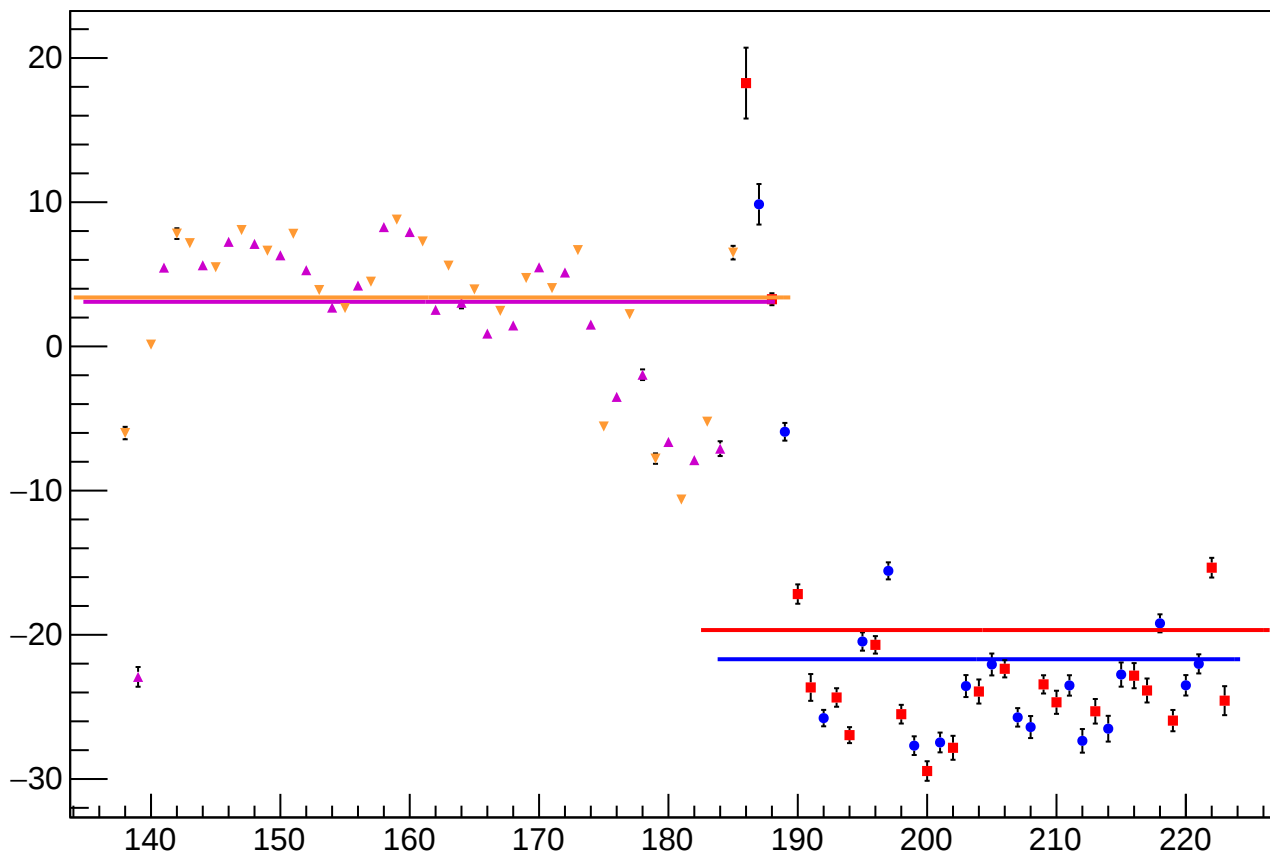
All: 0.173 ± 0.003 χ^2/NDF : 5347.9/85

- sign 0.167 ± 0.004 χ^2/NDF : 3011.7/42

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -21.693 ± 0.165 $\chi^2/\text{NDF}: 1674.4/17$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -19.671 ± 0.156 $\chi^2/\text{NDF}: 4289.2/19$

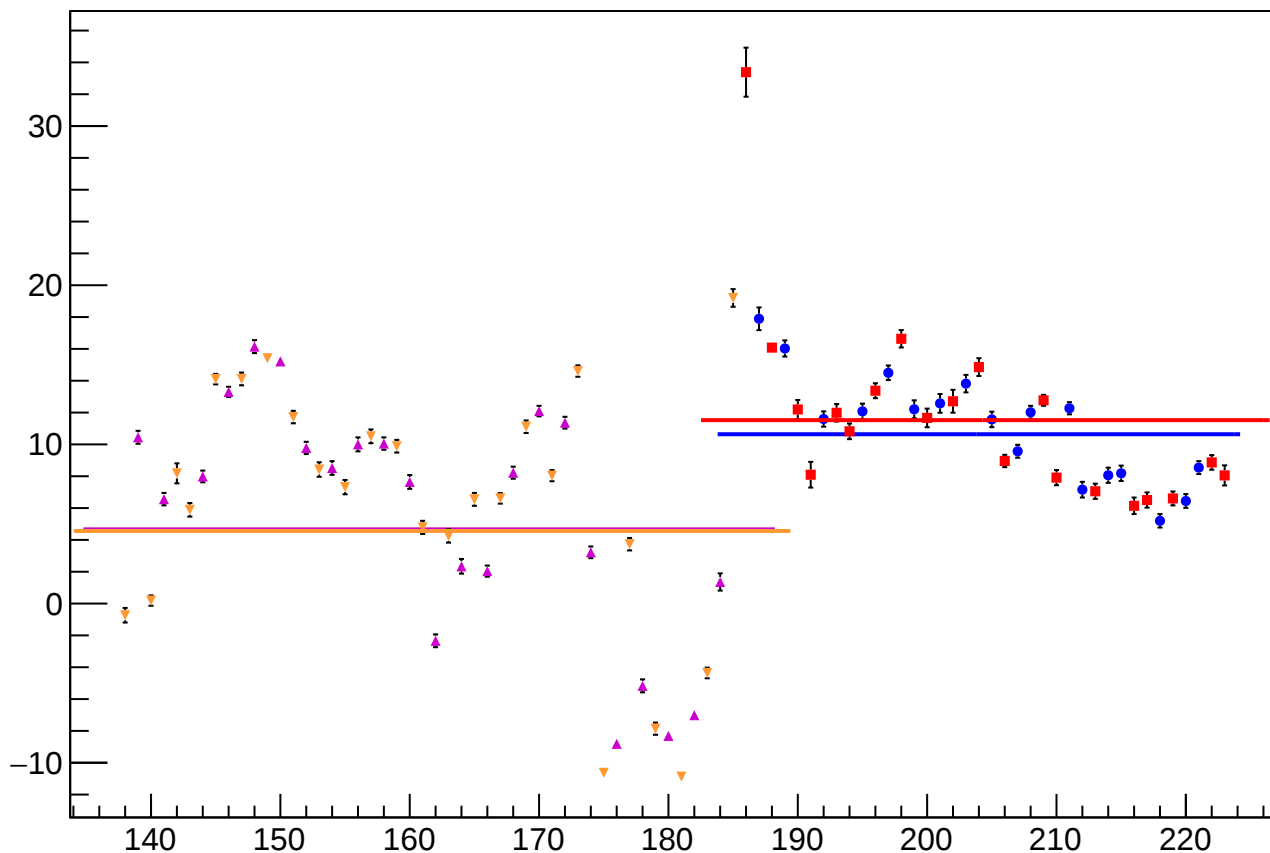
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 0.608 ± 0.055 $\chi^2/\text{NDF}: 30301.1/42$

All: 0.363 ± 0.039 $\chi^2/\text{NDF}: 60269.8/85$

- sign 0.105 ± 0.056 $\chi^2/\text{NDF}: 29928.0/42$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 10.638 $\pm$ 0.111 χ^2 /NDF: 783.3/17

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 11.523 $\pm$ 0.104 χ^2 /NDF: 1370.9/19

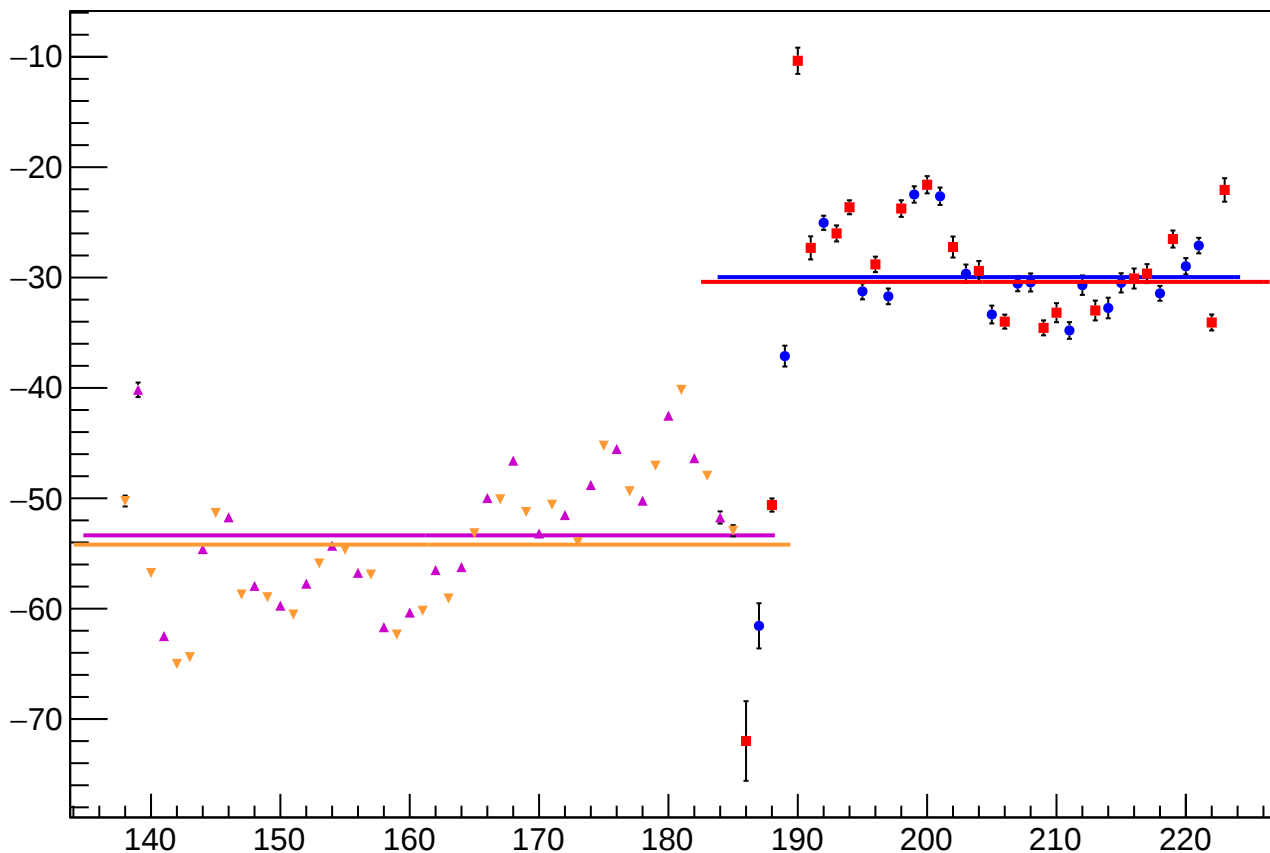
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 6.484 $\pm$ 0.062 χ^2 /NDF: 16431.6/42

All: 6.780 $\pm$ 0.044 χ^2 /NDF: 31931.9/85

- sign 7.072 $\pm$ 0.062 χ^2 /NDF: 15455.4/42

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -29.959 ± 0.185 χ^2/NDF : 643.3/17

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -30.391 ± 0.180 χ^2/NDF : 2139.7/19

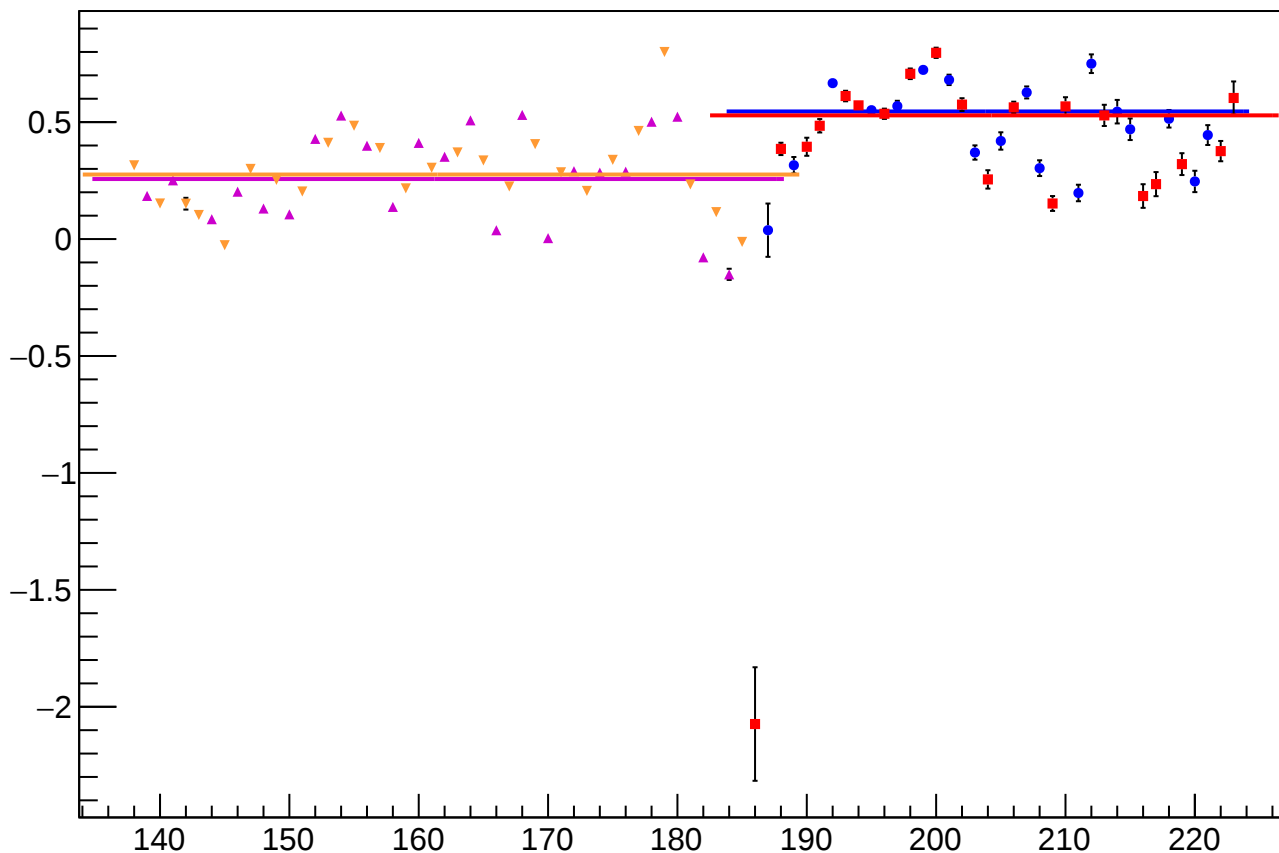
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -51.437 ± 0.062 χ^2/NDF : 24289.2/42

All: -50.956 ± 0.045 χ^2/NDF : 47671.2/85

- sign -50.451 ± 0.064 χ^2/NDF : 23260.7/42

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.546 ± 0.007 χ^2/NDF : 486.4/17

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.529 ± 0.007 χ^2/NDF : 695.8/19

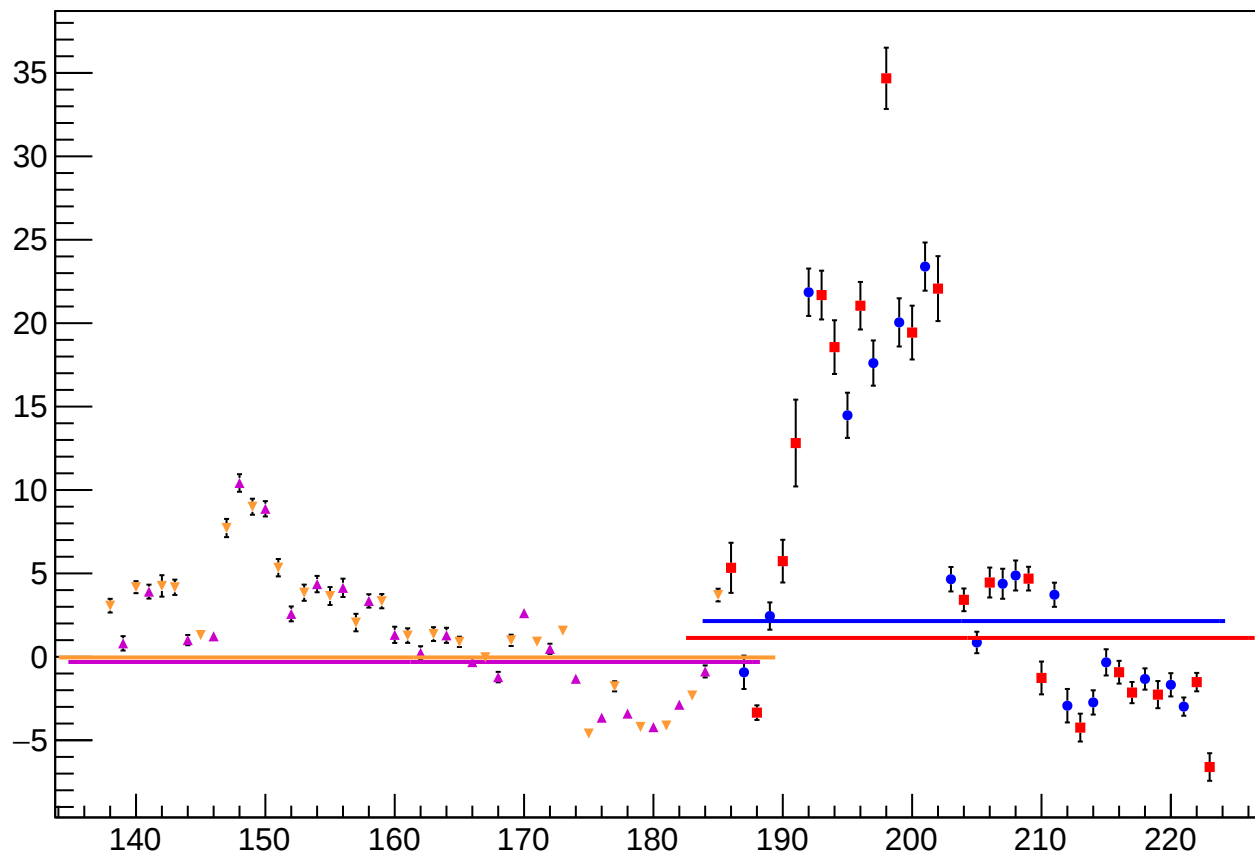
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.318 ± 0.003 χ^2/NDF : 4325.7/42

All: 0.311 ± 0.002 χ^2/NDF : 10008.2/85

- sign 0.305 ± 0.003 χ^2/NDF : 5671.2/42

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.144 +/- 0.196 χ^2/NDF : 1049.3/17

Left Out: -0.037 +/- 0.066 χ^2/NDF : 2637.7/24

Right Out: 1.133 +/- 0.191 χ^2/NDF : 1494.1/19

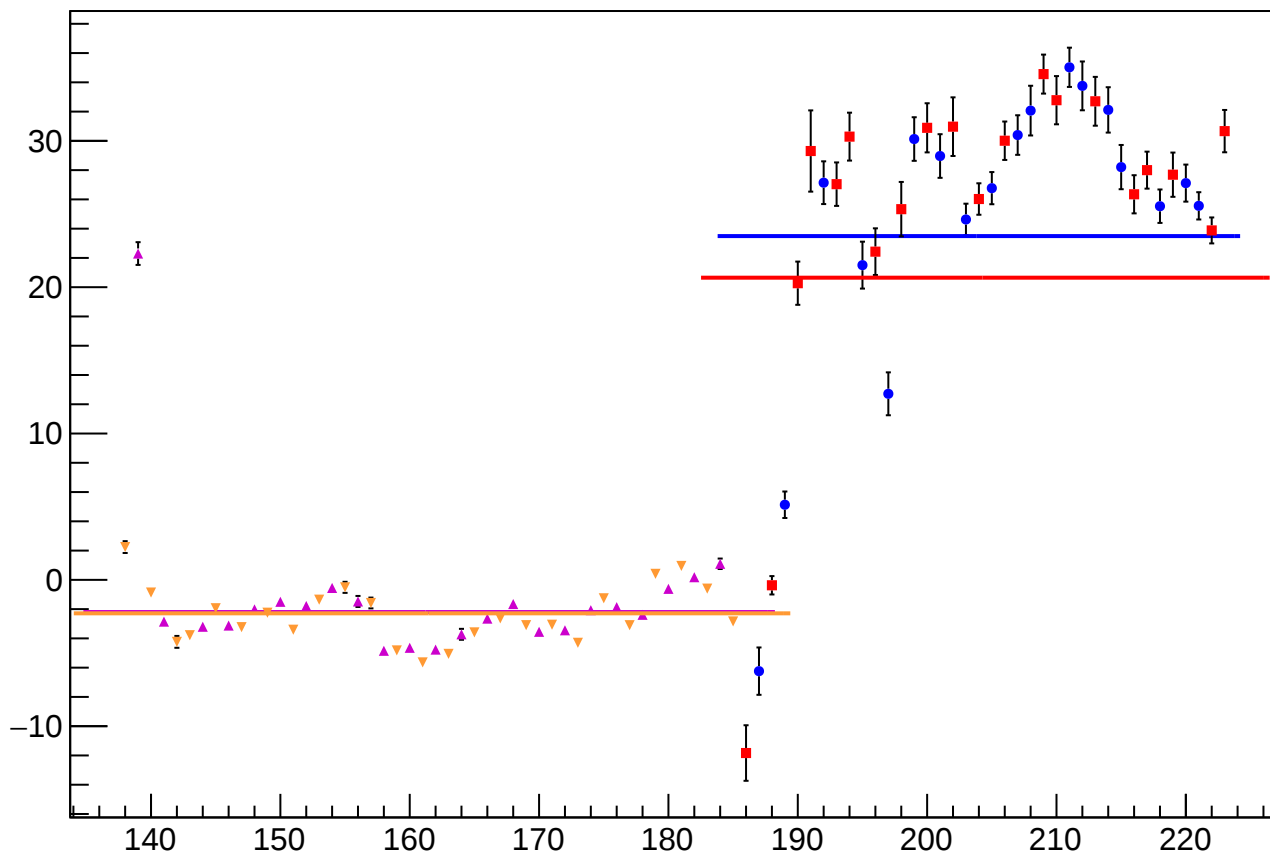
Left In: -0.310 +/- 0.067 χ^2/NDF : 2250.5/22

+ sign 0.185 +/- 0.063 χ^2/NDF : 3798.2/42

All: 0.020 +/- 0.045 χ^2/NDF : 7607.7/85

- sign -0.151 +/- 0.063 χ^2/NDF : 3795.3/42

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 23.493 $\pm$ 0.305 χ^2 /NDF: 1074.5/17

Left Out: -2.288 $\pm$ 0.054 χ^2 /NDF:1137.7/24

Right Out: 20.650 $\pm$ 0.293 χ^2 /NDF: 1975.4/19

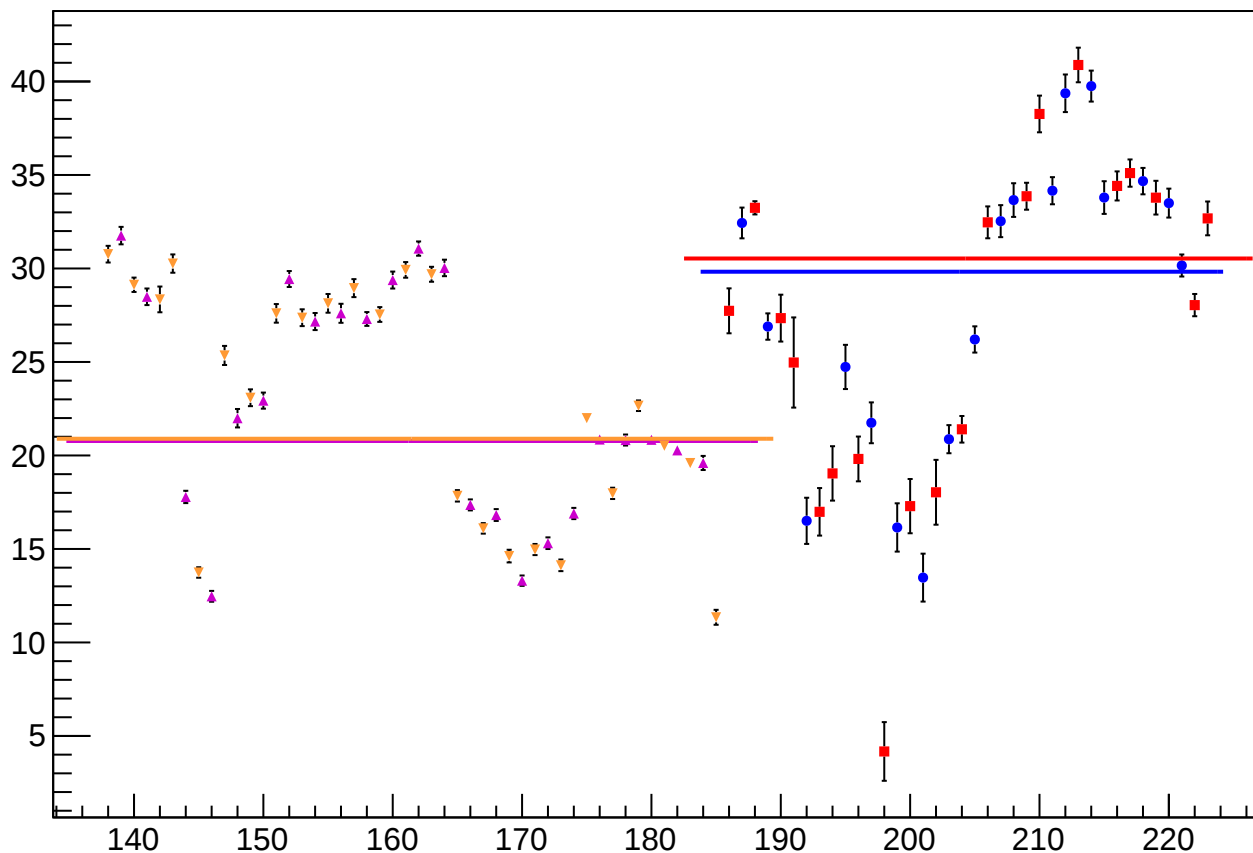
Left In: -2.198 $\pm$ 0.055 χ^2 /NDF:1673.9/22

+ sign -1.503 $\pm$ 0.053 χ^2 /NDF: 9118.5/42

All: -1.461 $\pm$ 0.038 χ^2 /NDF: 18644.6/85

- sign -1.417 $\pm$ 0.054 χ^2 /NDF: 9524.9/42

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 29.826 $\pm$ 0.198 χ^2 /NDF: 1048.8/17

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF:6655.4/24

Right Out: 30.533 $\pm$ 0.186 χ^2 /NDF: 1228.5/19

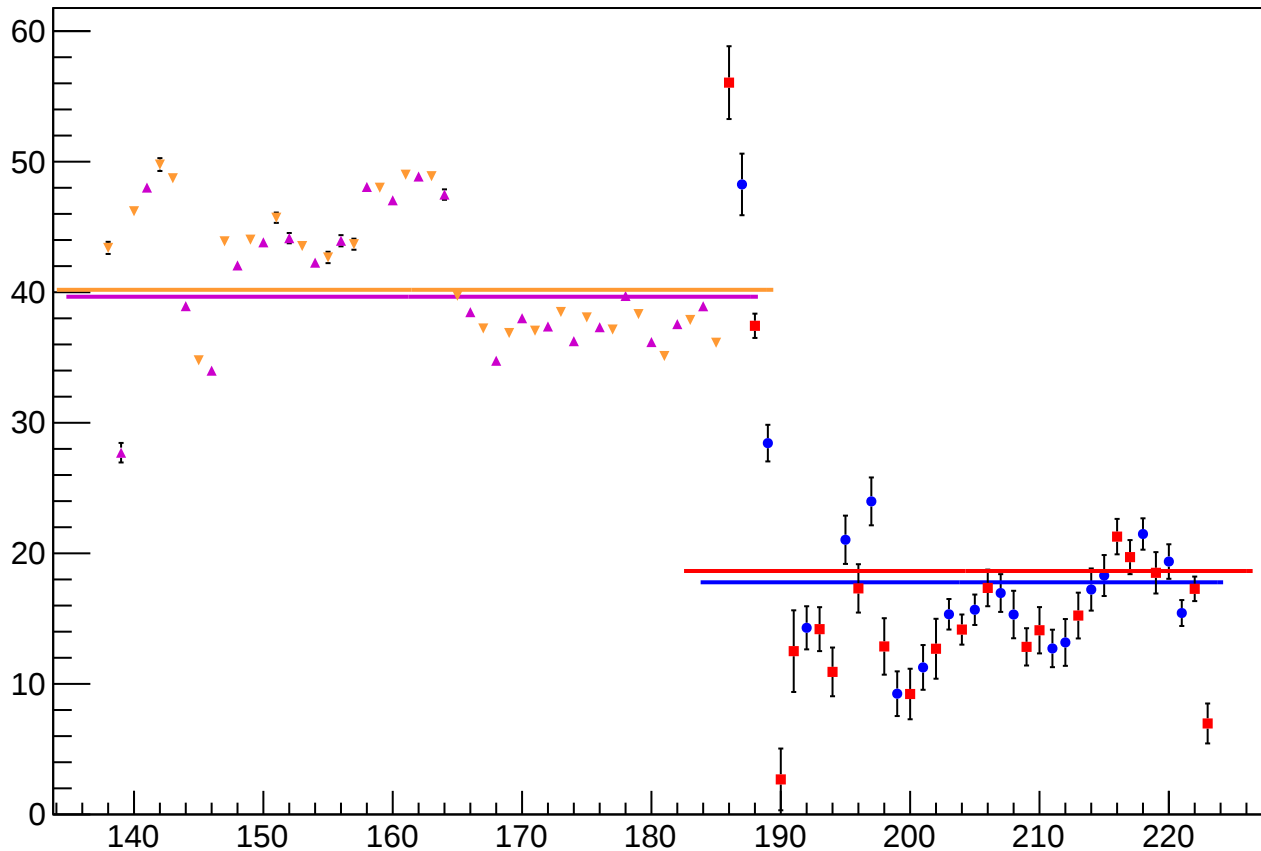
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF:5927.9/22

+ sign 21.805 $\pm$ 0.063 χ^2 /NDF: 9532.8/42

All: 21.856 $\pm$ 0.045 χ^2 /NDF: 19113.9/85

- sign 21.907 $\pm$ 0.063 χ^2 /NDF: 9579.8/42

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 17.782 ± 0.344 χ^2/NDF : 328.8/17

Left Out: 40.186 ± 0.060 χ^2/NDF : 5932.7/24

Right Out: 18.648 ± 0.340 χ^2/NDF : 807.1/19

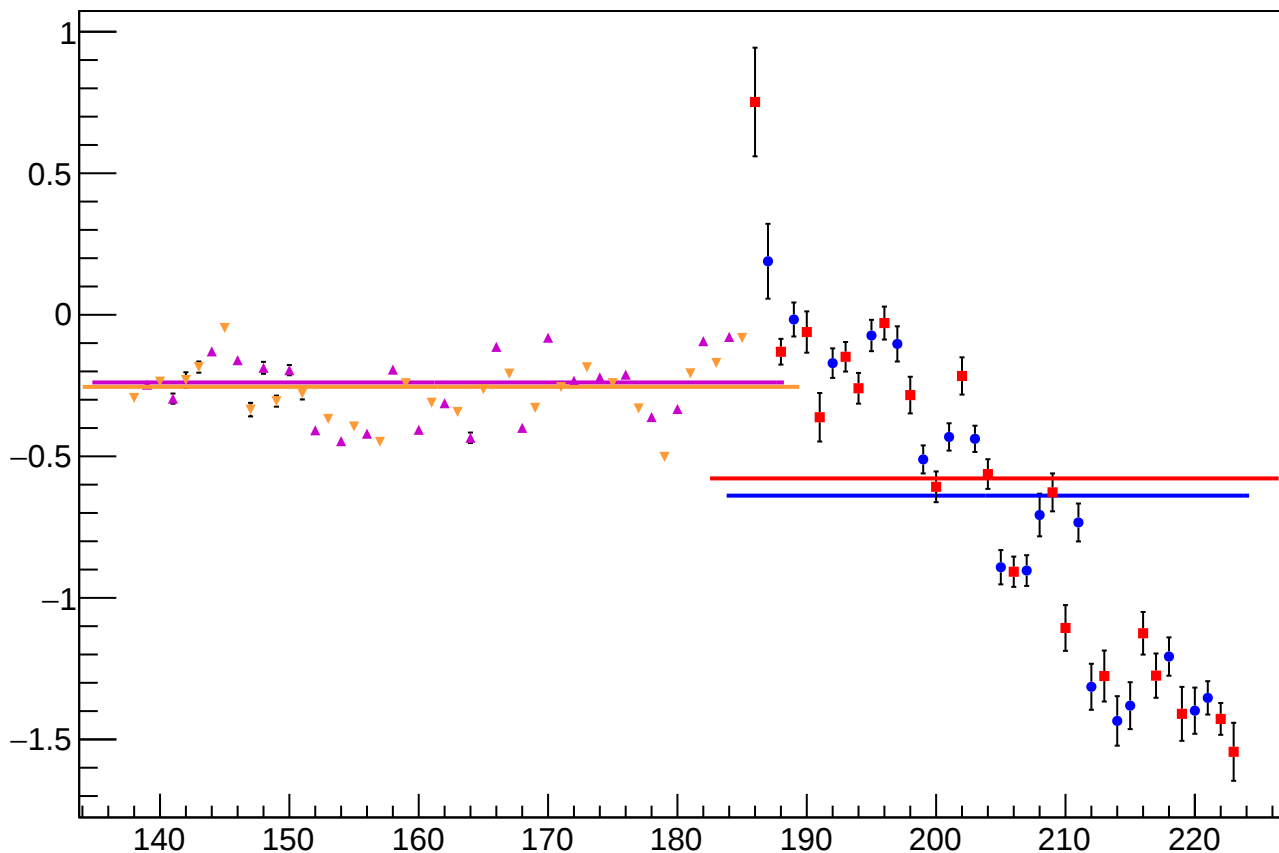
Left In: 39.655 ± 0.061 χ^2/NDF : 5298.6/22

+ sign 39.517 ± 0.059 χ^2/NDF : 10371.0/42

All: 39.258 ± 0.042 χ^2/NDF : 20211.9/85

- sign 38.991 ± 0.060 χ^2/NDF : 9802.4/42

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.639 ± 0.015 χ^2/NDF : 1029.5/17

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.578 ± 0.015 χ^2/NDF : 1111.0/19

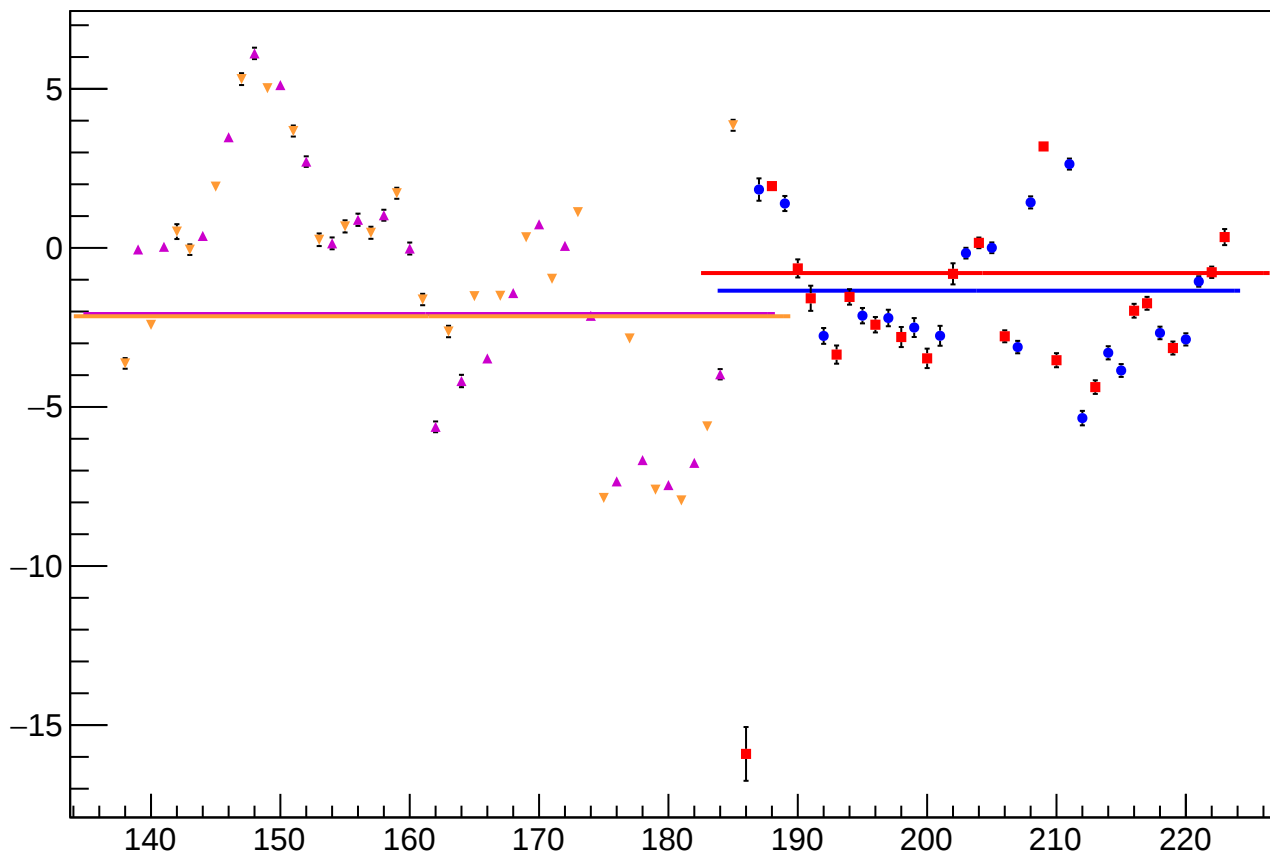
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.268 ± 0.003 χ^2/NDF : 3118.0/42

All: -0.259 ± 0.002 χ^2/NDF : 6521.3/85

- sign -0.251 ± 0.003 χ^2/NDF : 3384.6/42

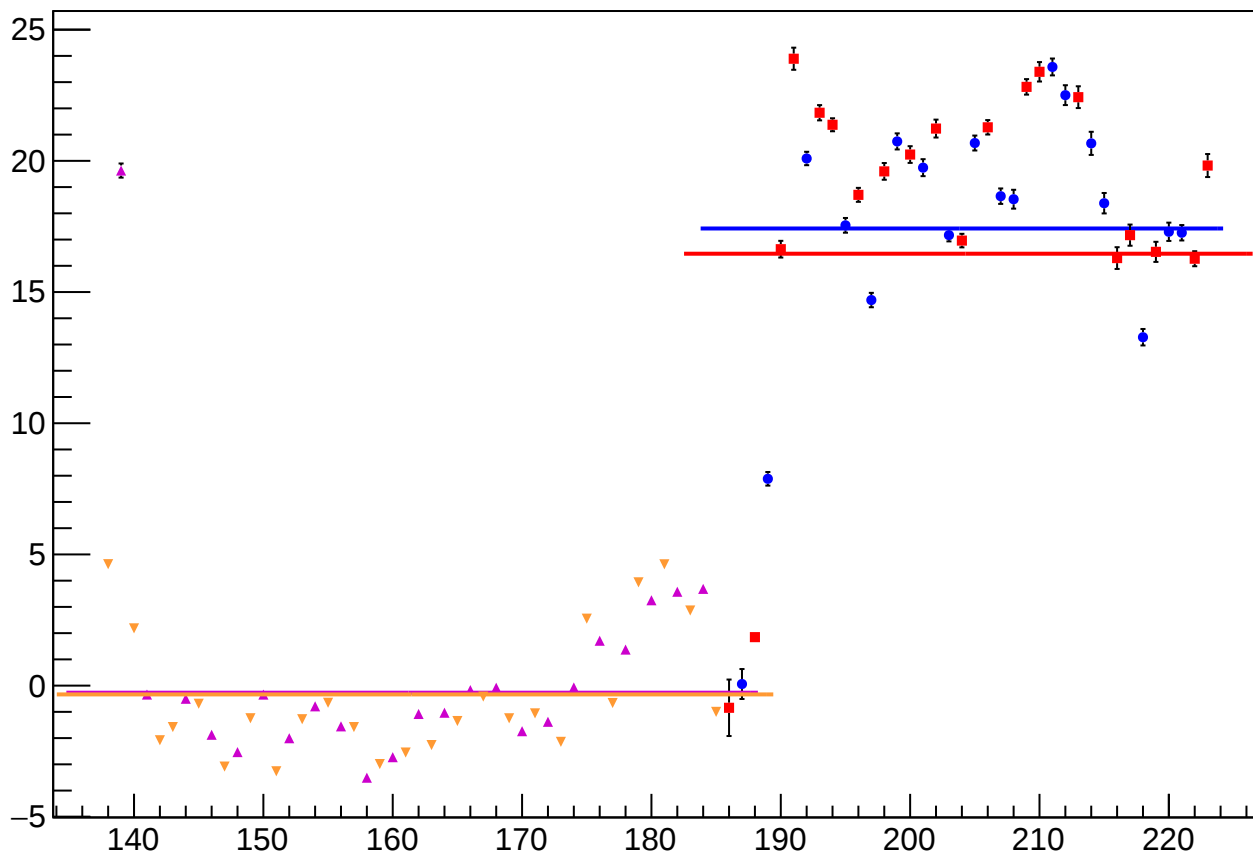
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.345 ± 0.049 χ^2/NDF : 1903.4/17
 Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24
 Right Out: -0.790 ± 0.048 χ^2/NDF : 2616.5/19
 Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -1.978 ± 0.023 χ^2/NDF : 26648.3/42
 All: -1.880 ± 0.016 χ^2/NDF : 53111.8/85
 - sign -1.781 ± 0.023 χ^2/NDF : 26426.0/42

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 17.422 ± 0.073 $\chi^2/\text{NDF}: 3598.7/17$

Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$

Right Out: 16.461 ± 0.068 $\chi^2/\text{NDF}: 11398.4/19$

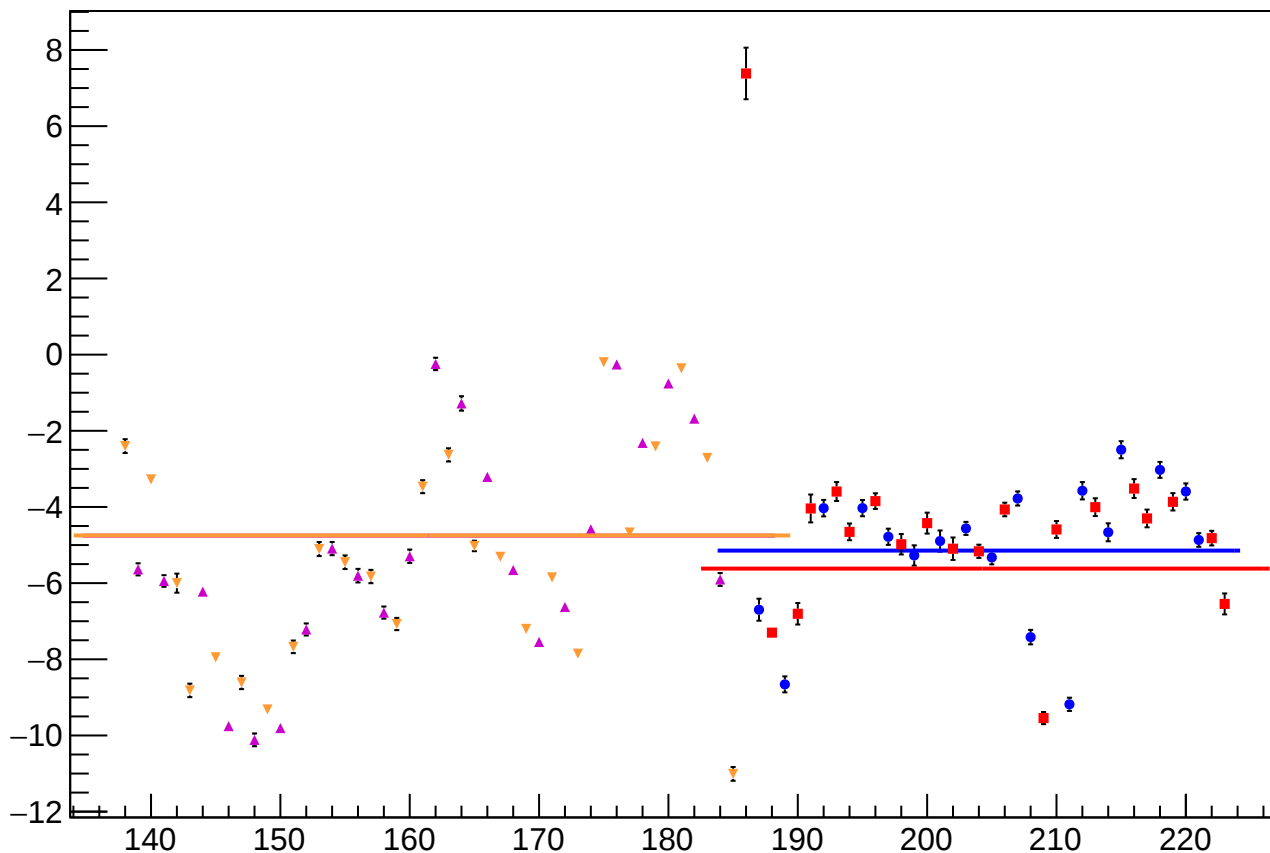
Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

+ sign 0.969 ± 0.020 $\chi^2/\text{NDF}: 70829.1/42$

All: 1.067 ± 0.014 $\chi^2/\text{NDF}: 150407.2/85$

- sign 1.168 ± 0.020 $\chi^2/\text{NDF}: 79528.1/42$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.145+/-0.049 χ^2/NDF : 1461.3/17

Left Out: -4.748+/-0.026 χ^2/NDF :13289.8/24

Right Out: -5.618+/-0.045 χ^2/NDF : 1897.6/19

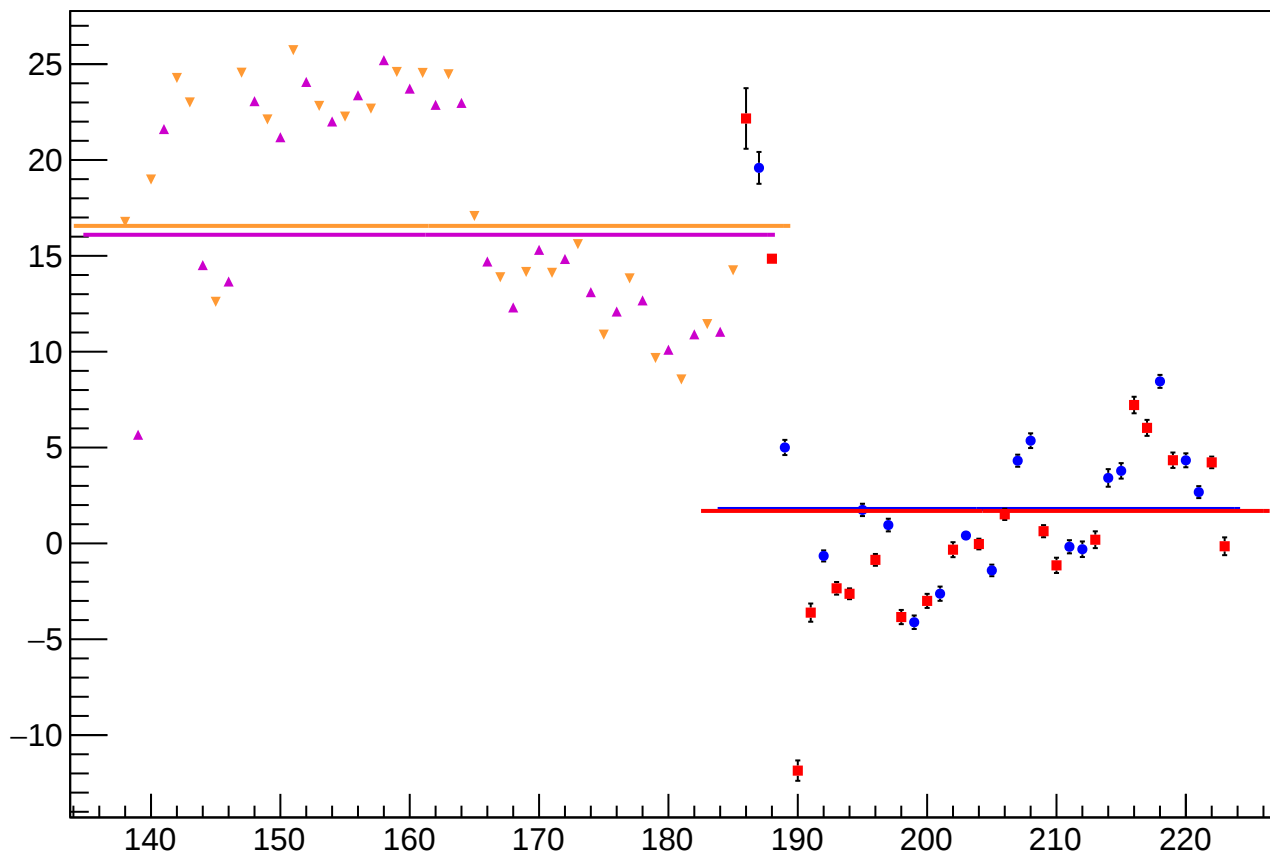
Left In: -4.753+/-0.026 χ^2/NDF :14119.2/22

+ sign -4.834+/-0.023 χ^2/NDF : 14802.3/42

All: -4.902+/-0.016 χ^2/NDF : 31109.0/85

- sign -4.968+/-0.023 χ^2/NDF : 16289.2/42

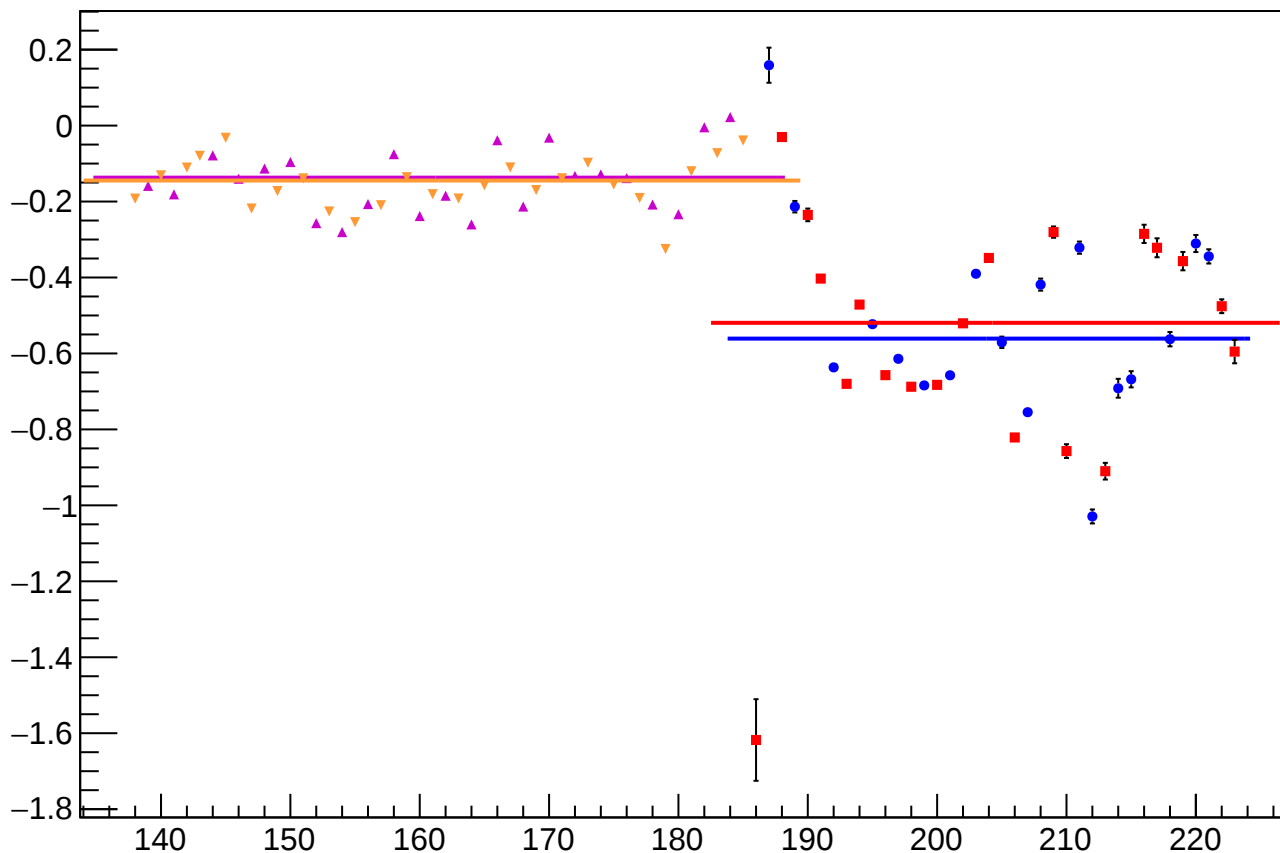
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 1.796 ± 0.082 $\chi^2/\text{NDF}: 1854.3/17$
 Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$
 Right Out: 1.694 ± 0.079 $\chi^2/\text{NDF}: 5485.8/19$
 Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 15.475 ± 0.022 $\chi^2/\text{NDF}: 85681.0/42$
 All: 15.206 ± 0.016 $\chi^2/\text{NDF}: 164127.1/85$
 - sign 14.930 ± 0.023 $\chi^2/\text{NDF}: 78150.4/42$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.561 ± 0.003 χ^2/NDF : 2953.5/17

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.519 ± 0.003 χ^2/NDF : 5710.4/19

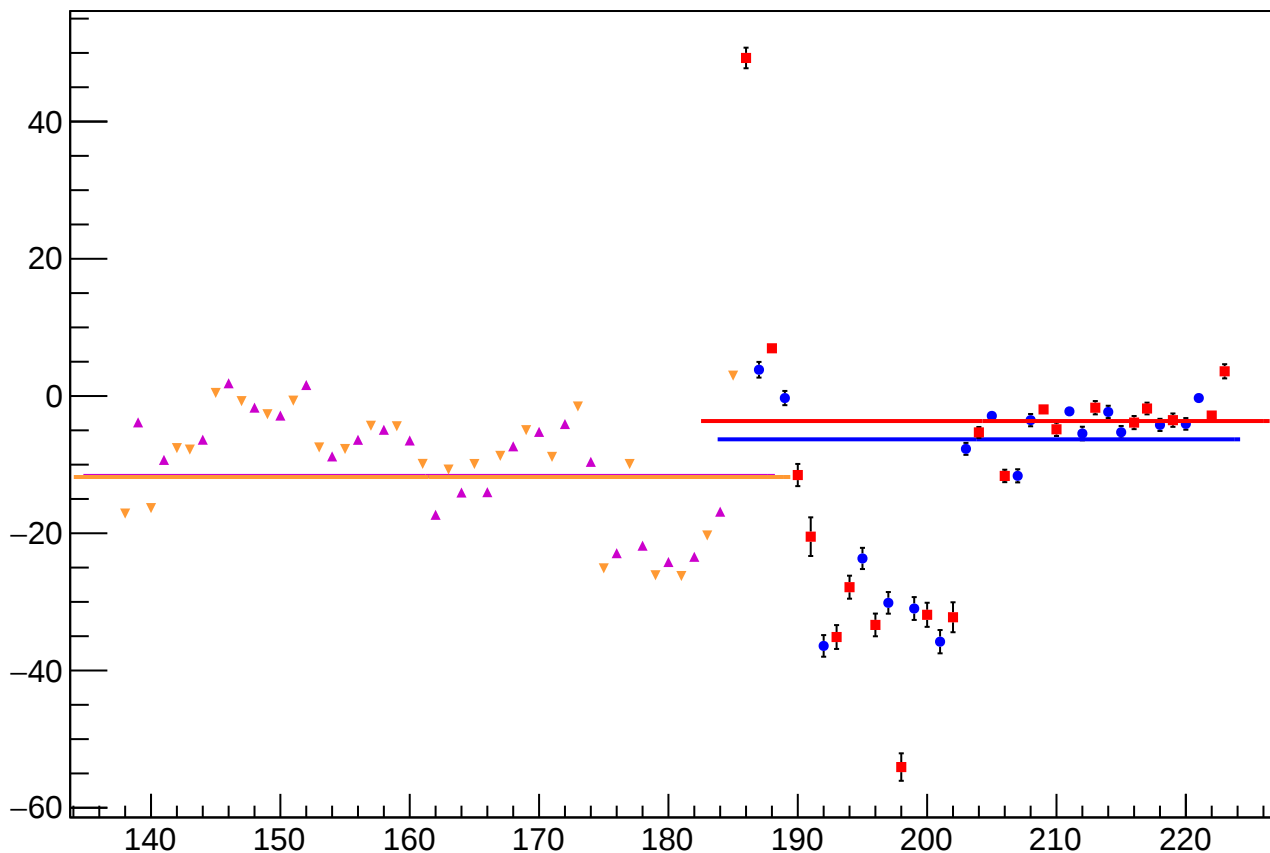
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.186 ± 0.001 χ^2/NDF : 22322.9/42

All: -0.184 ± 0.001 χ^2/NDF : 48063.5/85

- sign -0.181 ± 0.001 χ^2/NDF : 25726.6/42

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -6.311 ± 0.228 χ^2/NDF : 1553.9/17

Left Out: -11.801 ± 0.070 χ^2/NDF : 17308.2/24

Right Out: -3.645 ± 0.226 χ^2/NDF : 3765.5/19

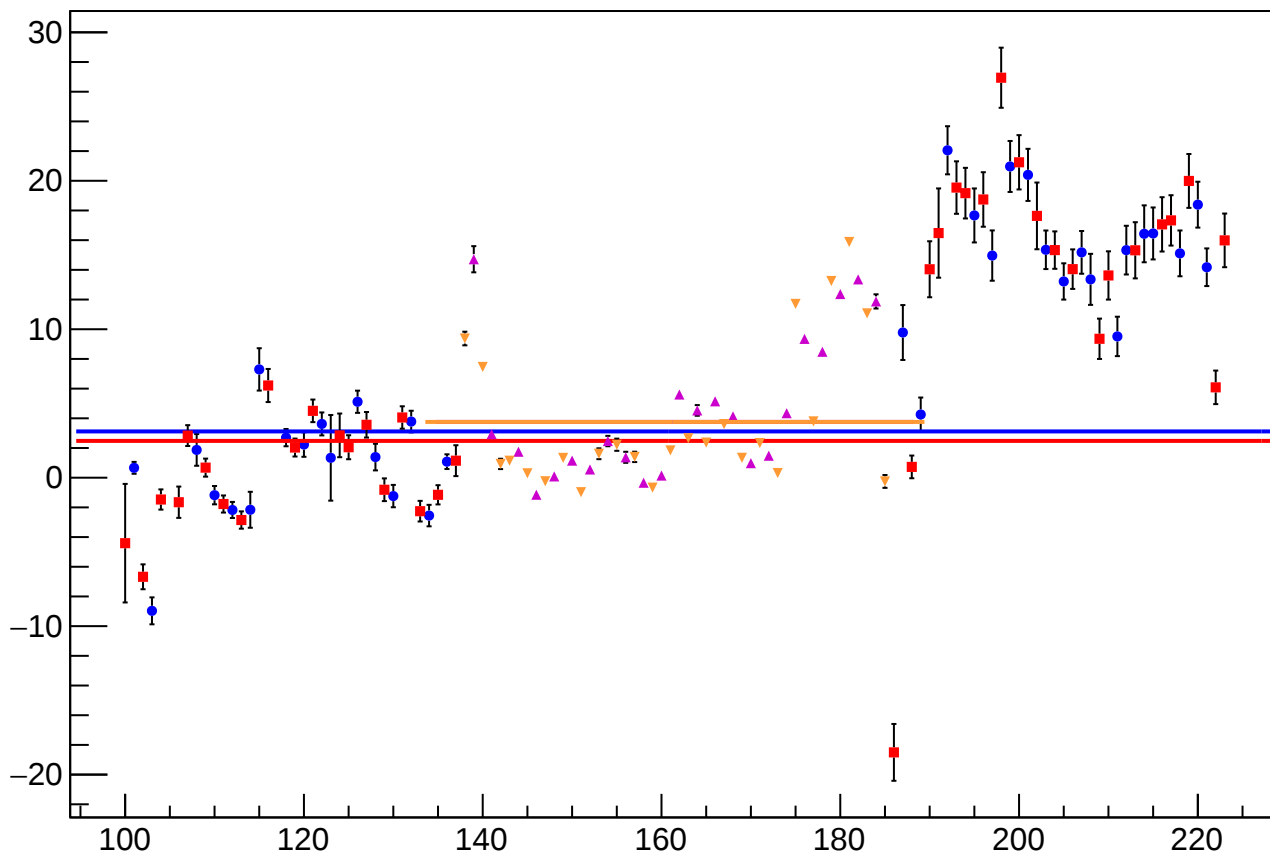
Left In: -11.642 ± 0.072 χ^2/NDF : 14121.2/22

+ sign -11.326 ± 0.067 χ^2/NDF : 19390.1/42

All: -11.123 ± 0.048 χ^2/NDF : 38432.4/85

- sign -10.914 ± 0.068 χ^2/NDF : 19023.8/42

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 3.117 ± 0.154 $\chi^2/\text{NDF}: 1663.9/34$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 2.478 ± 0.156 $\chi^2/\text{NDF}: 1788.2/38$

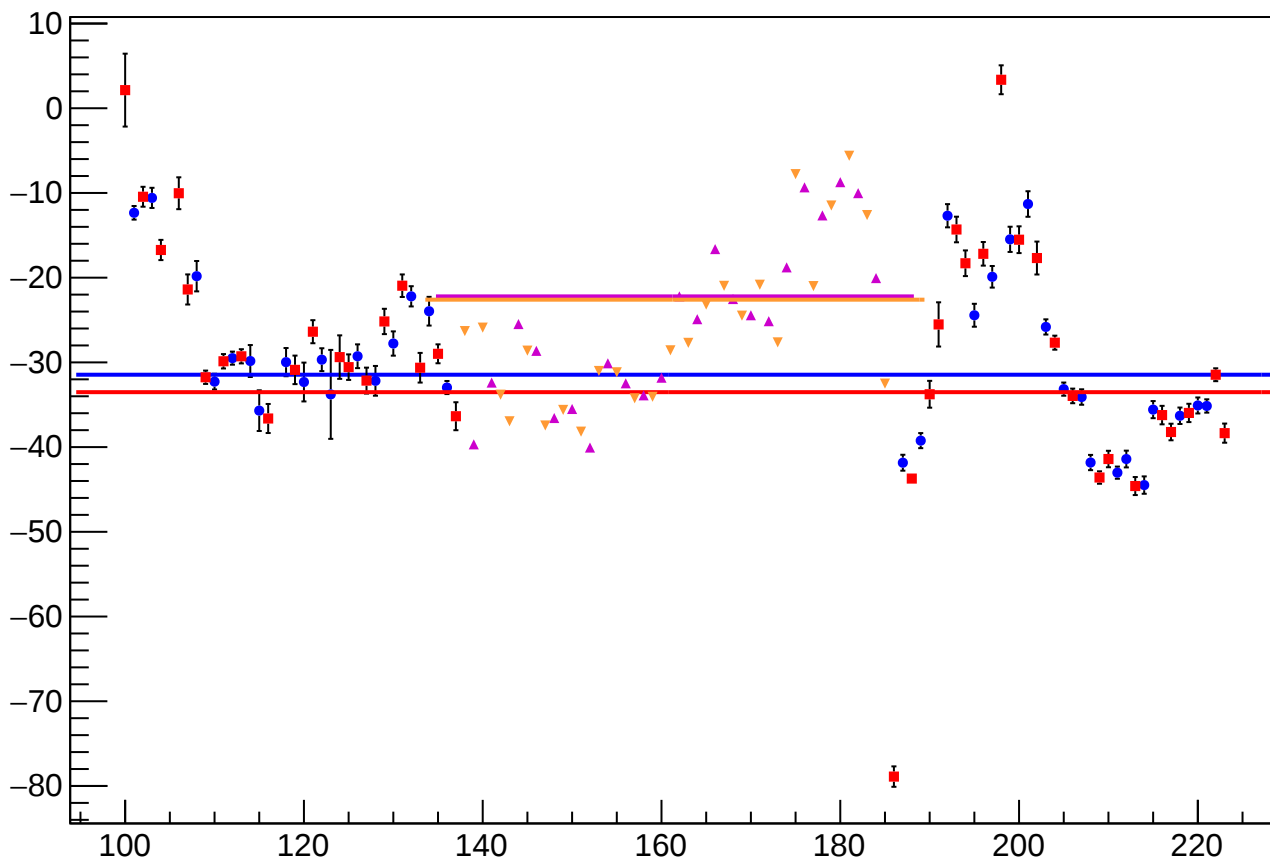
Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

+ sign 3.683 ± 0.052 $\chi^2/\text{NDF}: 9129.9/59$

All: 3.646 ± 0.037 $\chi^2/\text{NDF}: 16608.0/121$

- sign 3.608 ± 0.053 $\chi^2/\text{NDF}: 7477.1/61$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -31.455 ± 0.182 χ^2/NDF : 2598.7/34

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -33.515 ± 0.177 χ^2/NDF : 4602.5/38

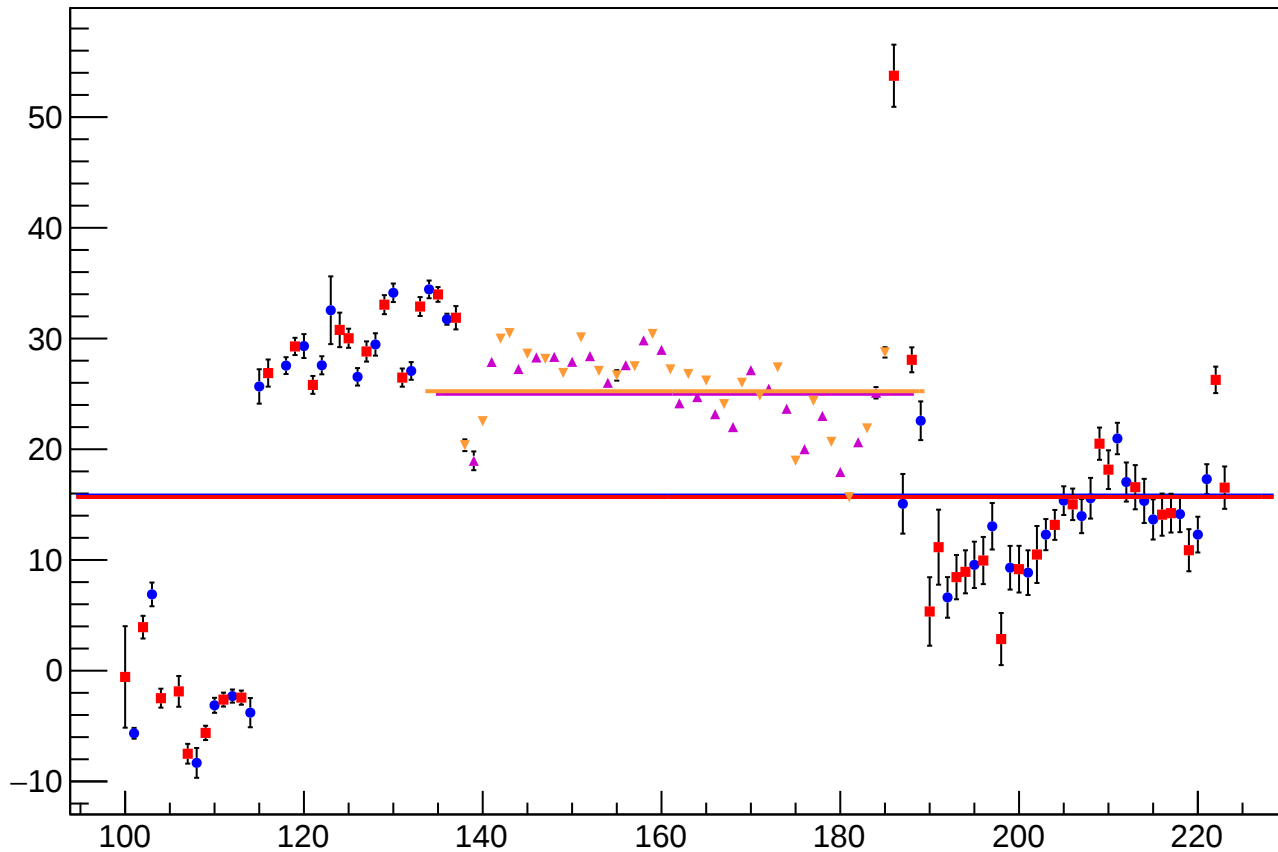
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -23.754 ± 0.066 χ^2/NDF : 24581.5/59

All: -23.779 ± 0.047 χ^2/NDF : 50332.0/121

- sign -23.805 ± 0.066 χ^2/NDF : 25750.2/61

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.819 $\pm$ 0.173 χ^2 /NDF: 7648.2/34

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.686 $\pm$ 0.177 χ^2 /NDF: 7763.0/38

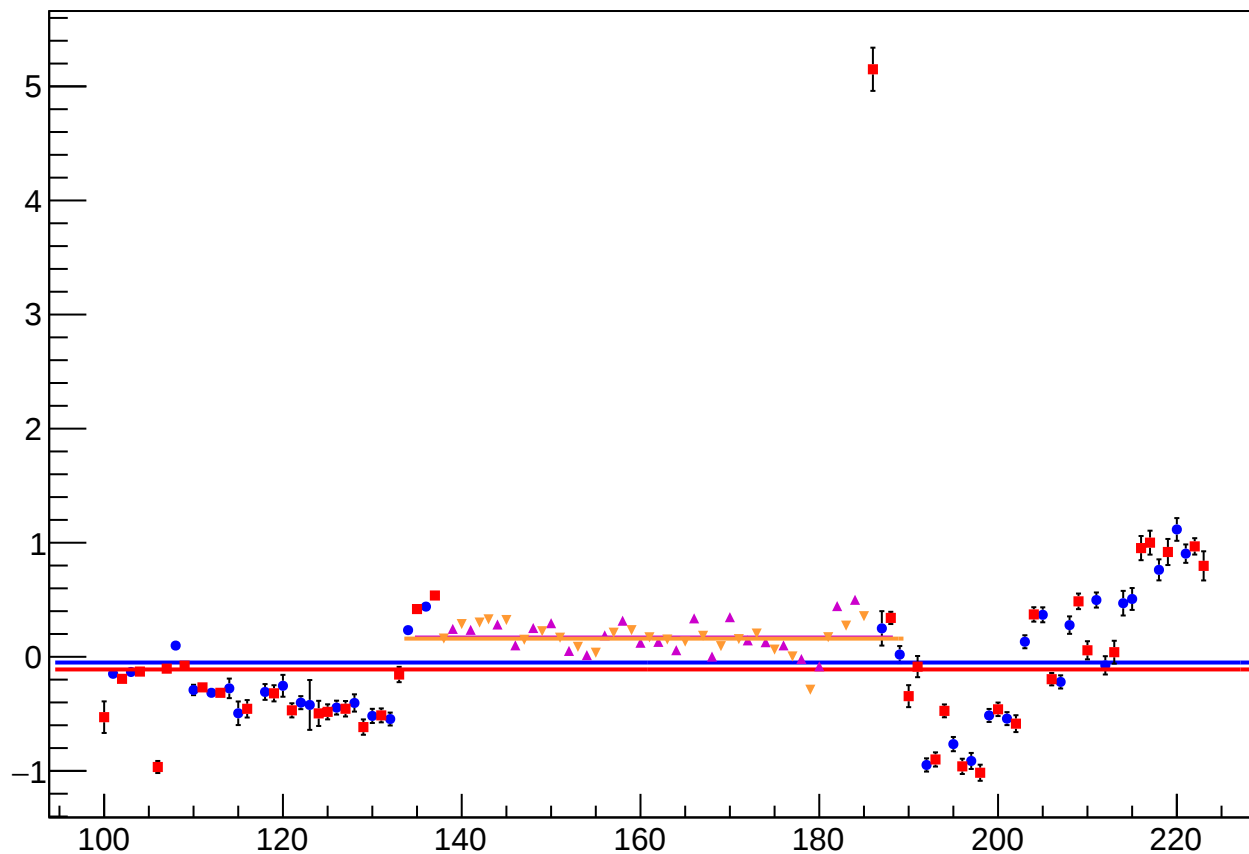
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.156 $\pm$ 0.059 χ^2 /NDF: 14045.0/59

All: 24.046 $\pm$ 0.042 χ^2 /NDF: 26998.7/121

- sign 23.933 $\pm$ 0.060 χ^2 /NDF: 12946.7/61

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.050 ± 0.009 χ^2/NDF : 2239.1/34

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.111 ± 0.009 χ^2/NDF : 3332.3/38

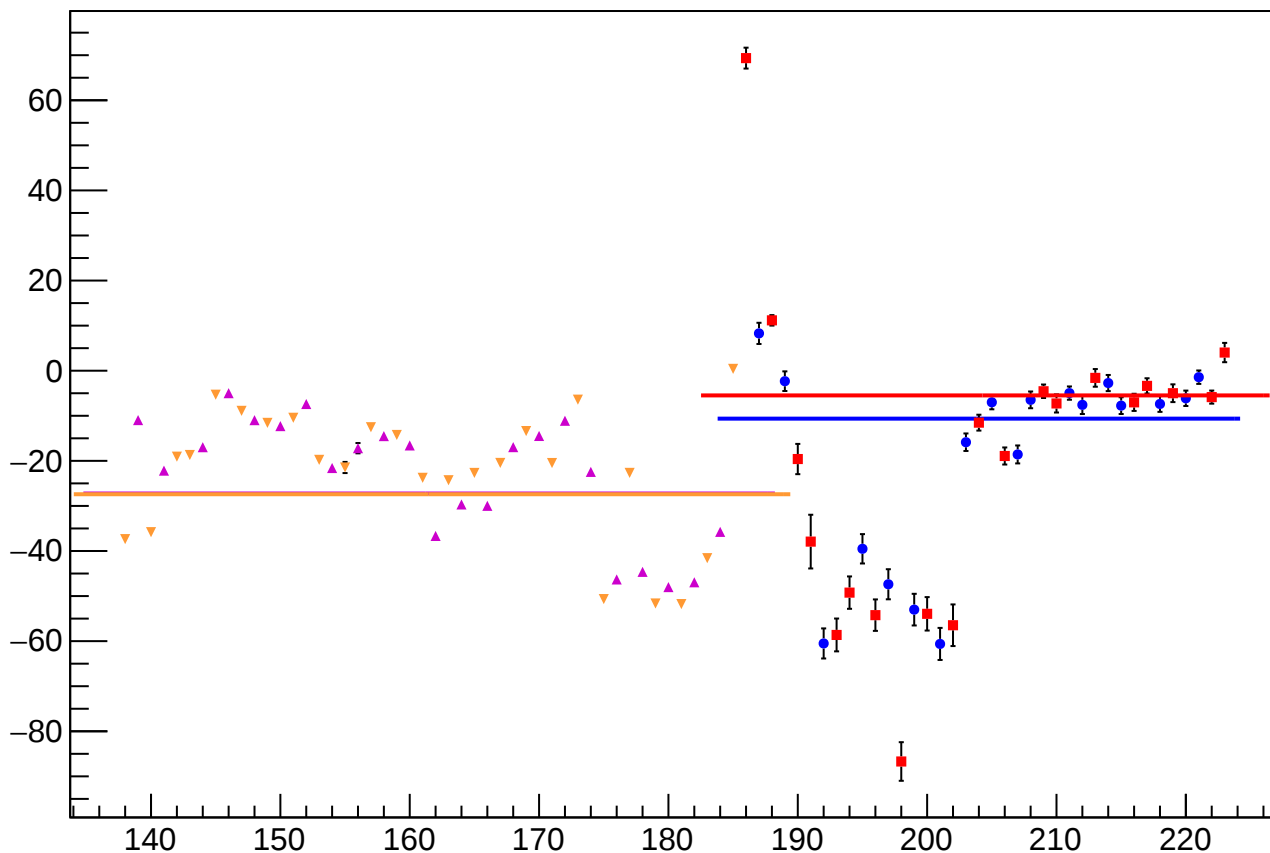
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.139 ± 0.003 χ^2/NDF : 4615.7/59

All: 0.140 ± 0.002 χ^2/NDF : 11277.8/121

- sign 0.141 ± 0.003 χ^2/NDF : 6661.8/61

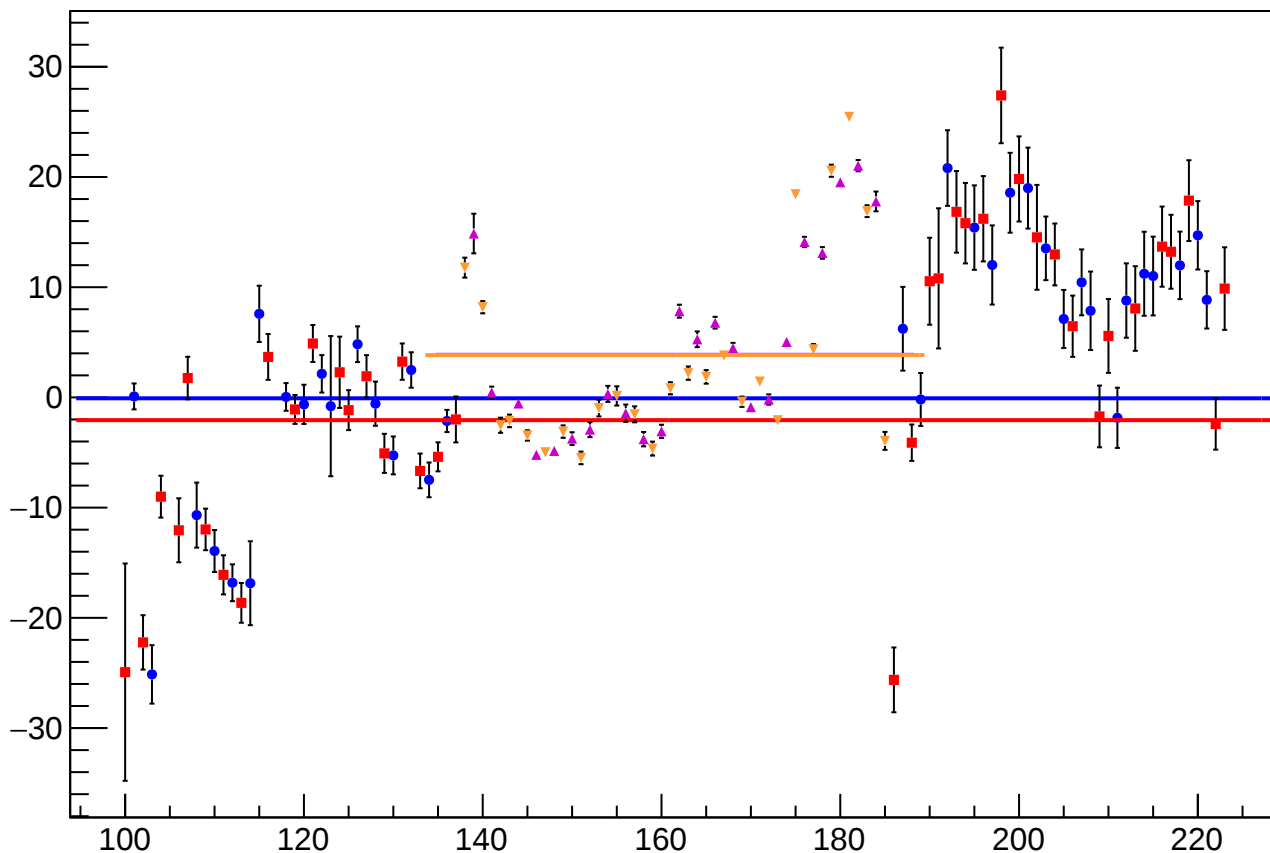
reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -10.635 ± 0.473 $\chi^2/\text{NDF}: 966.9/17$
 Left Out: -27.408 ± 0.137 $\chi^2/\text{NDF}: 14850.5/24$
 Right Out: -5.480 ± 0.467 $\chi^2/\text{NDF}: 2593.7/19$
 Left In: -27.243 ± 0.139 $\chi^2/\text{NDF}: 11305.2/22$

+ sign -26.114 ± 0.131 $\chi^2/\text{NDF}: 16976.6/42$
 All: -25.793 ± 0.094 $\chi^2/\text{NDF}: 32883.8/85$
 - sign -25.462 ± 0.134 $\chi^2/\text{NDF}: 15895.1/42$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -0.080 ± 0.360 χ^2/NDF : 576.6/34

Left Out: 3.841 ± 0.109 χ^2/NDF : 6939.2/24

Right Out: -2.062 ± 0.366 χ^2/NDF : 708.0/38

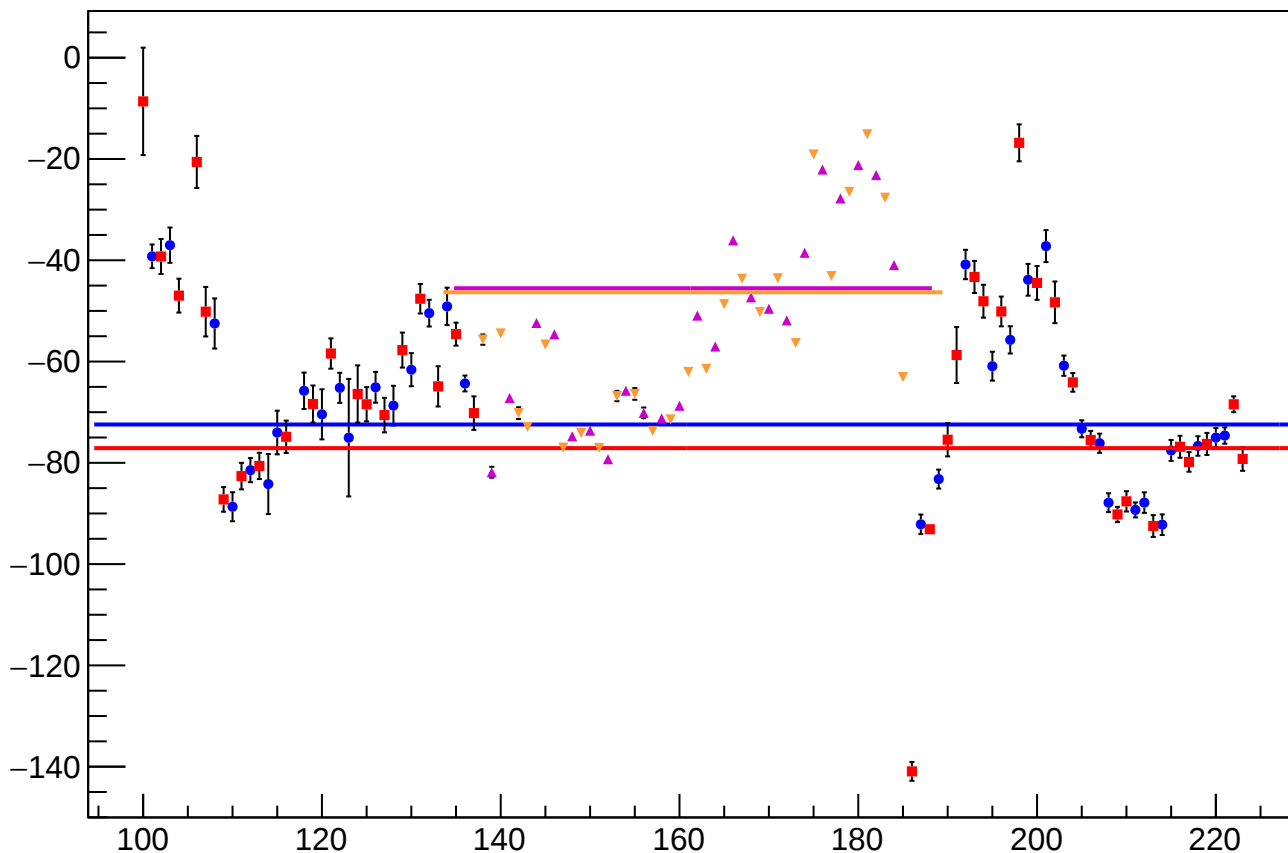
Left In: 3.866 ± 0.111 χ^2/NDF : 5424.0/22

+ sign 3.511 ± 0.105 χ^2/NDF : 7624.3/59

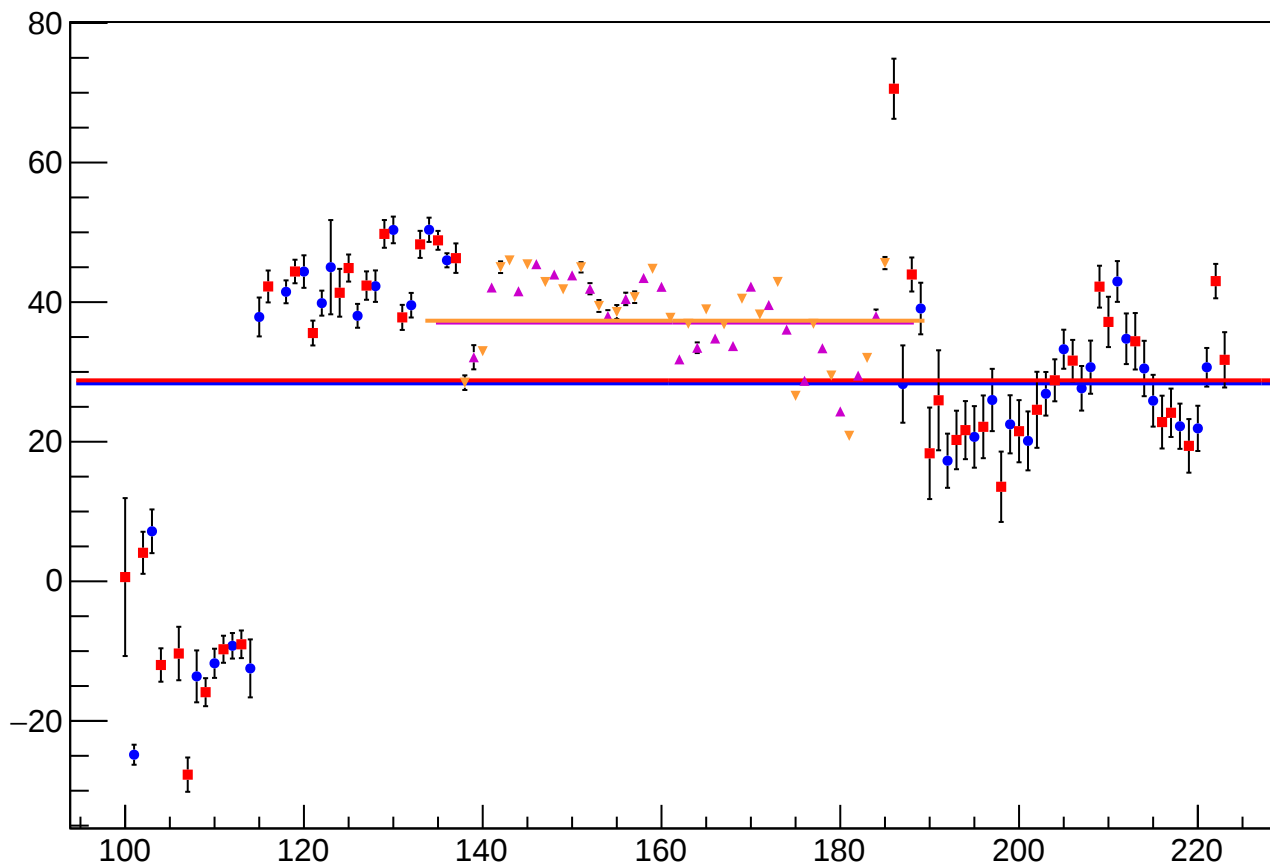
All: 3.439 ± 0.075 χ^2/NDF : 13997.5/121

- sign 3.365 ± 0.106 χ^2/NDF : 6372.2/61

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.363 $\pm$ 0.403 χ^2 /NDF: 3377.4/34

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF: 3149.1/24

Right Out: 28.793 $\pm$ 0.414 χ^2 /NDF: 3269.5/38

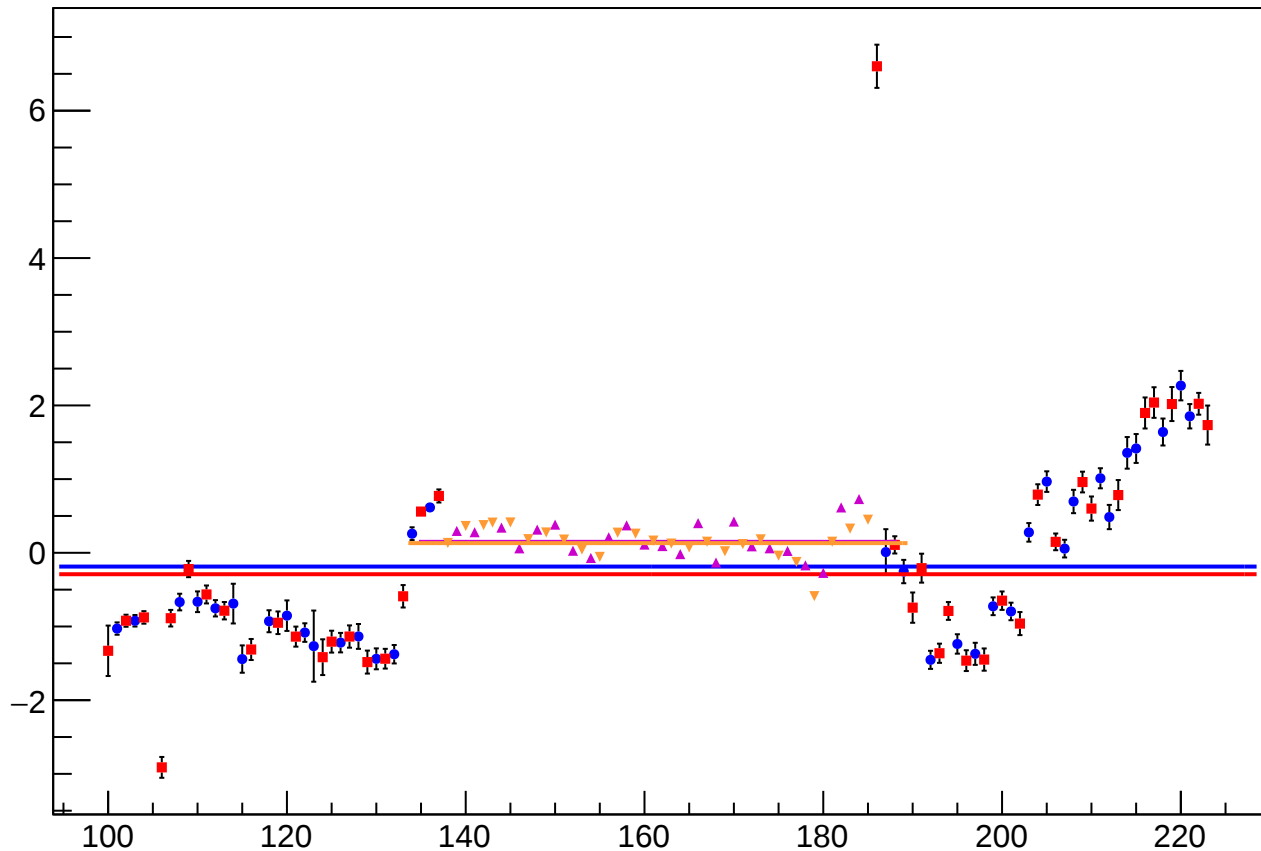
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF: 2397.3/22

+ sign 36.578 $\pm$ 0.118 χ^2 /NDF: 6979.6/59

All: 36.482 $\pm$ 0.084 χ^2 /NDF: 13013.6/121

- sign 36.381 $\pm$ 0.120 χ^2 /NDF: 6032.7/61

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.187 ± 0.020 χ^2/NDF : 2051.0/34

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.291 ± 0.021 χ^2/NDF : 2889.6/38

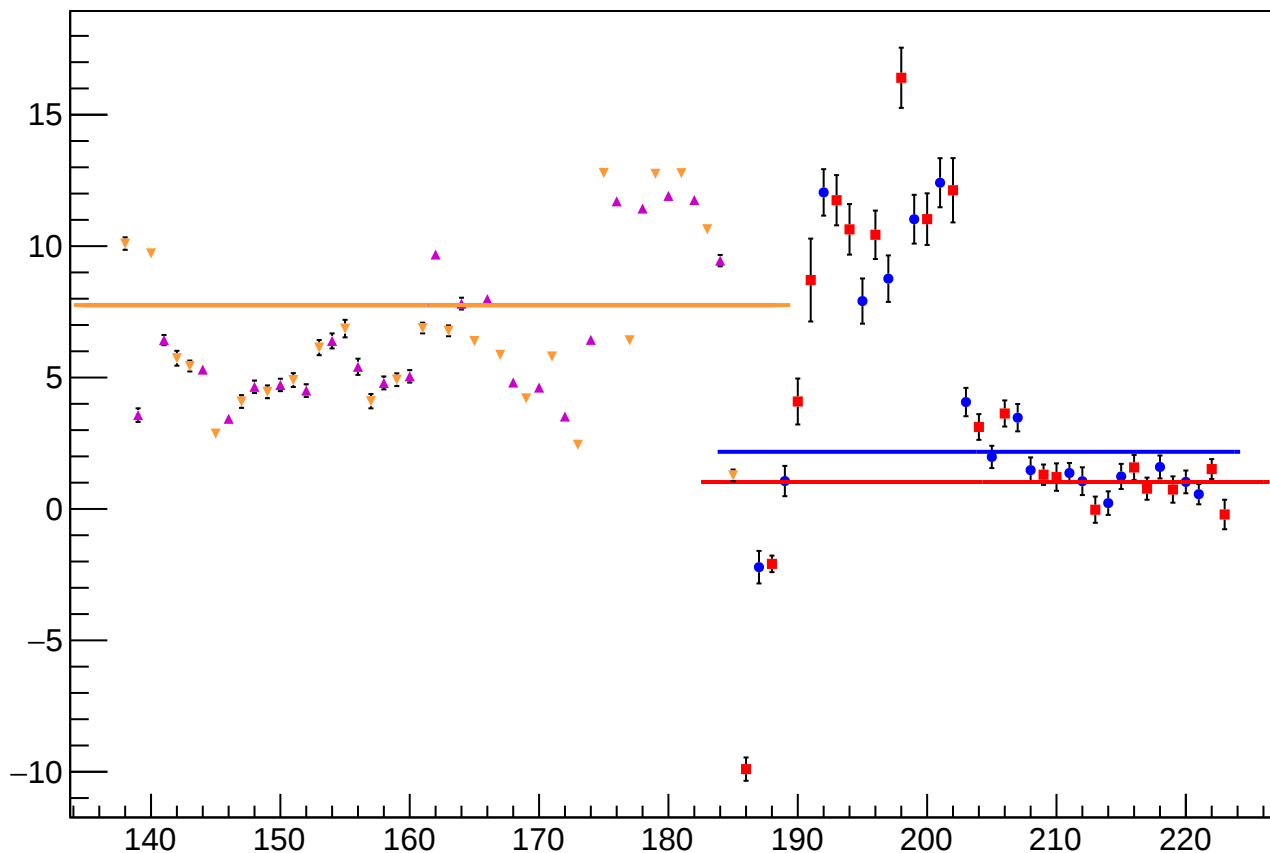
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.109 ± 0.005 χ^2/NDF : 3704.3/59

All: 0.113 ± 0.004 χ^2/NDF : 8816.6/121

- sign 0.117 ± 0.006 χ^2/NDF : 5111.0/61

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.175 ± 0.123 $\chi^2/\text{NDF}: 568.4/17$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: 1.026 ± 0.120 $\chi^2/\text{NDF}: 1494.8/19$

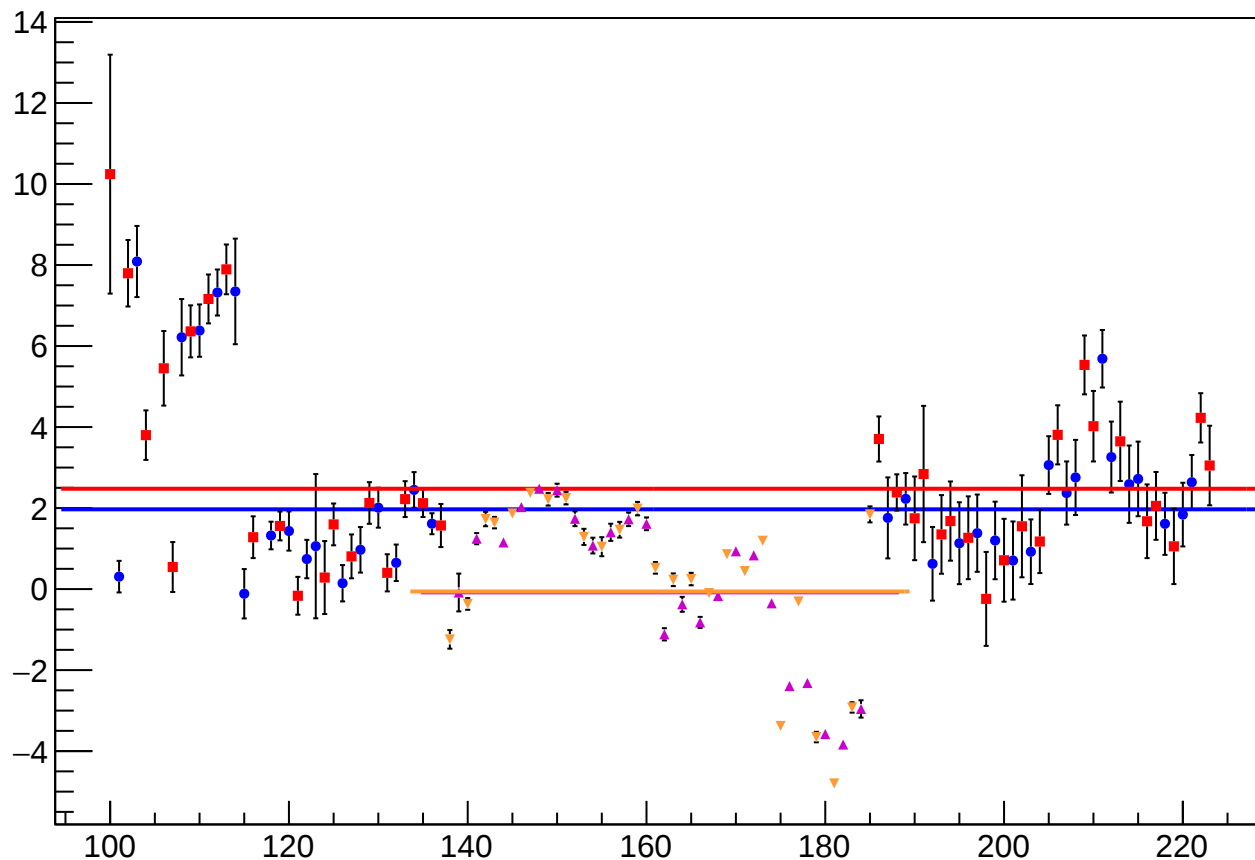
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.355 ± 0.033 $\chi^2/\text{NDF}: 14200.5/42$

All: 7.290 ± 0.024 $\chi^2/\text{NDF}: 26944.6/85$

- sign 7.224 ± 0.034 $\chi^2/\text{NDF}: 12736.3/42$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.969 ± 0.100 $\chi^2/\text{NDF}: 337.0/34$

Left Out: -0.059 ± 0.028 $\chi^2/\text{NDF}: 6068.8/24$

Right Out: 2.477 ± 0.102 $\chi^2/\text{NDF}: 394.5/38$

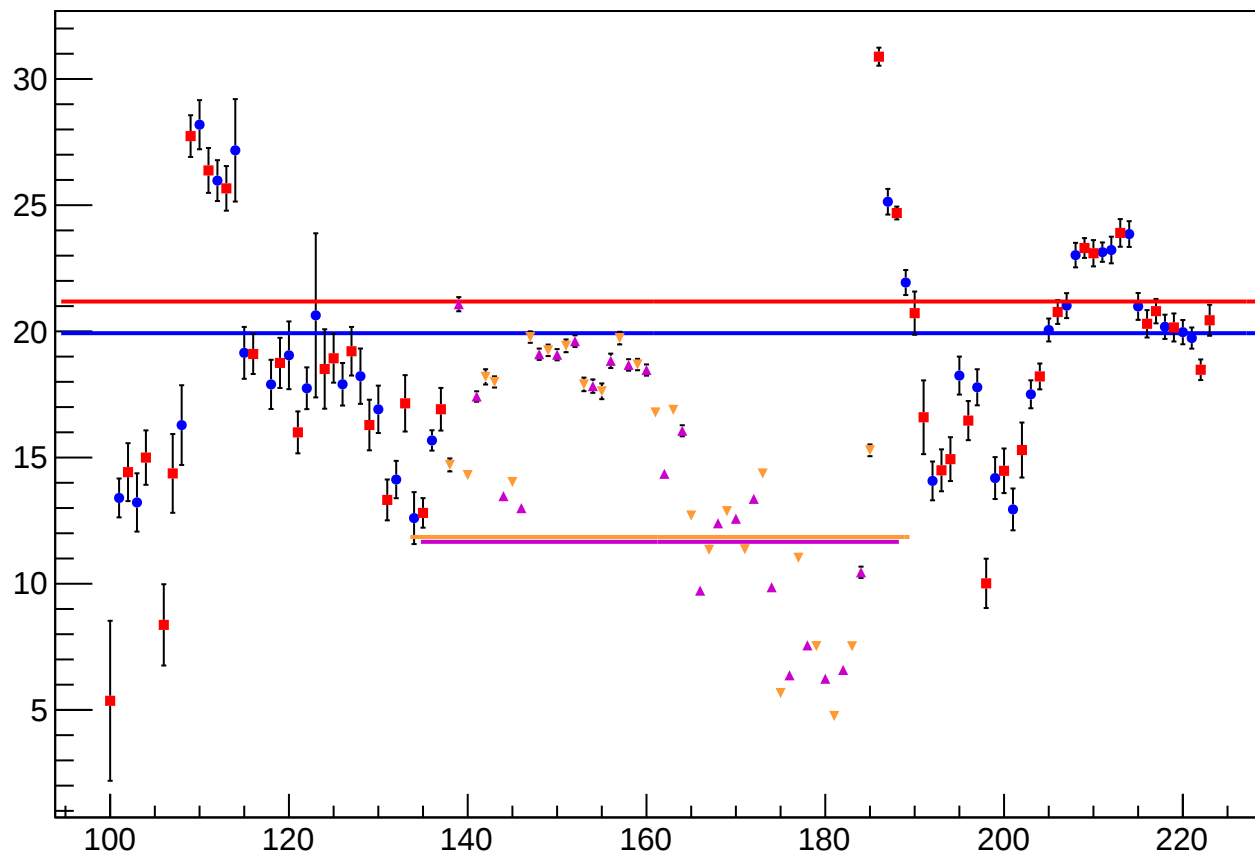
Left In: -0.080 ± 0.028 $\chi^2/\text{NDF}: 4979.5/22$

+ sign 0.084 ± 0.027 $\chi^2/\text{NDF}: 6784.5/59$

All: 0.093 ± 0.019 $\chi^2/\text{NDF}: 12745.2/121$

- sign 0.103 ± 0.027 $\chi^2/\text{NDF}: 5960.5/61$

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.928 ± 0.107 χ^2/NDF : 1054.8/34

Left Out: 11.853 ± 0.035 χ^2/NDF : 19149.4/24

Right Out: 21.183 ± 0.103 χ^2/NDF : 2187.2/38

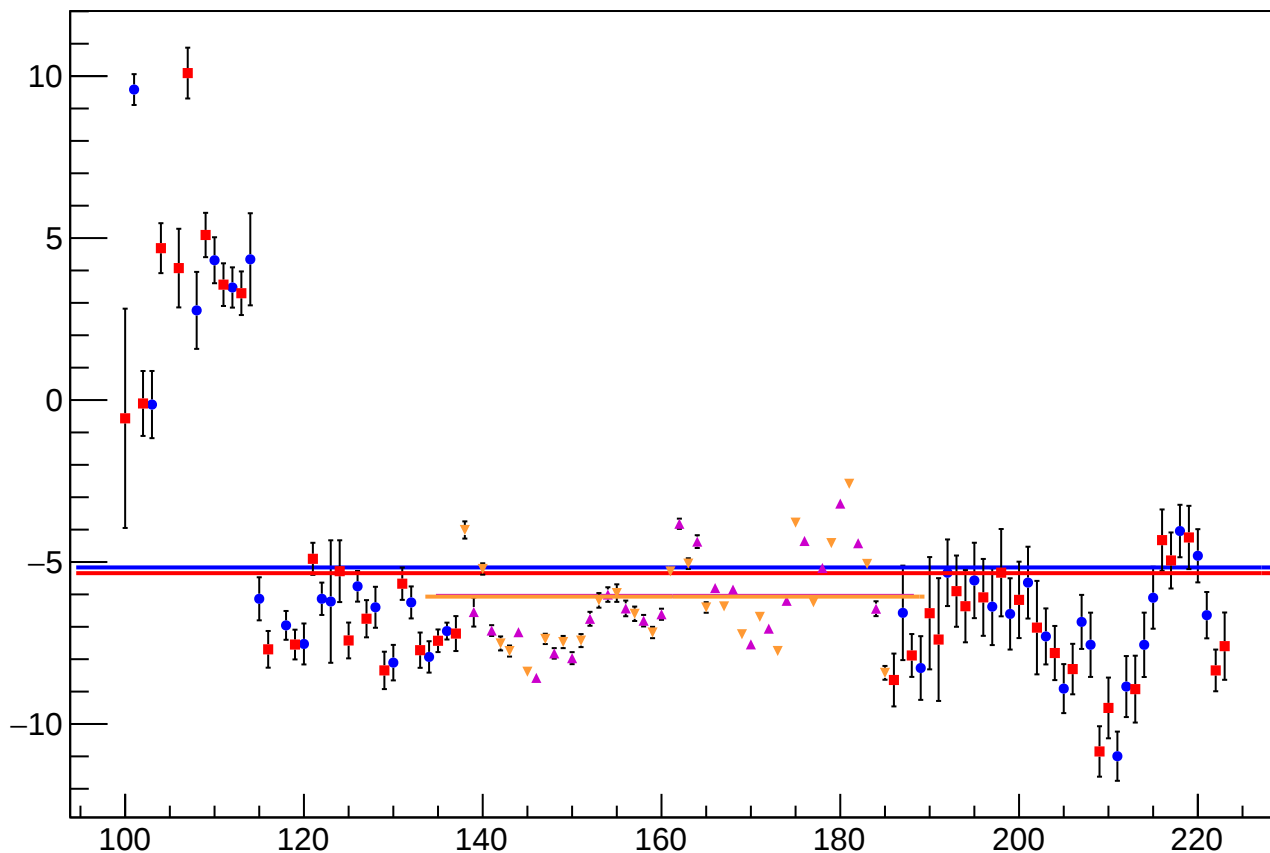
Left In: 11.660 ± 0.035 χ^2/NDF : 16710.2/22

+ sign 12.617 ± 0.033 χ^2/NDF : 25333.2/59

All: 12.639 ± 0.023 χ^2/NDF : 51934.6/121

- sign 12.662 ± 0.033 χ^2/NDF : 26600.5/61

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.167 ± 0.112 χ^2/NDF : 1750.8/34

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -5.344 ± 0.115 χ^2/NDF : 1552.2/38

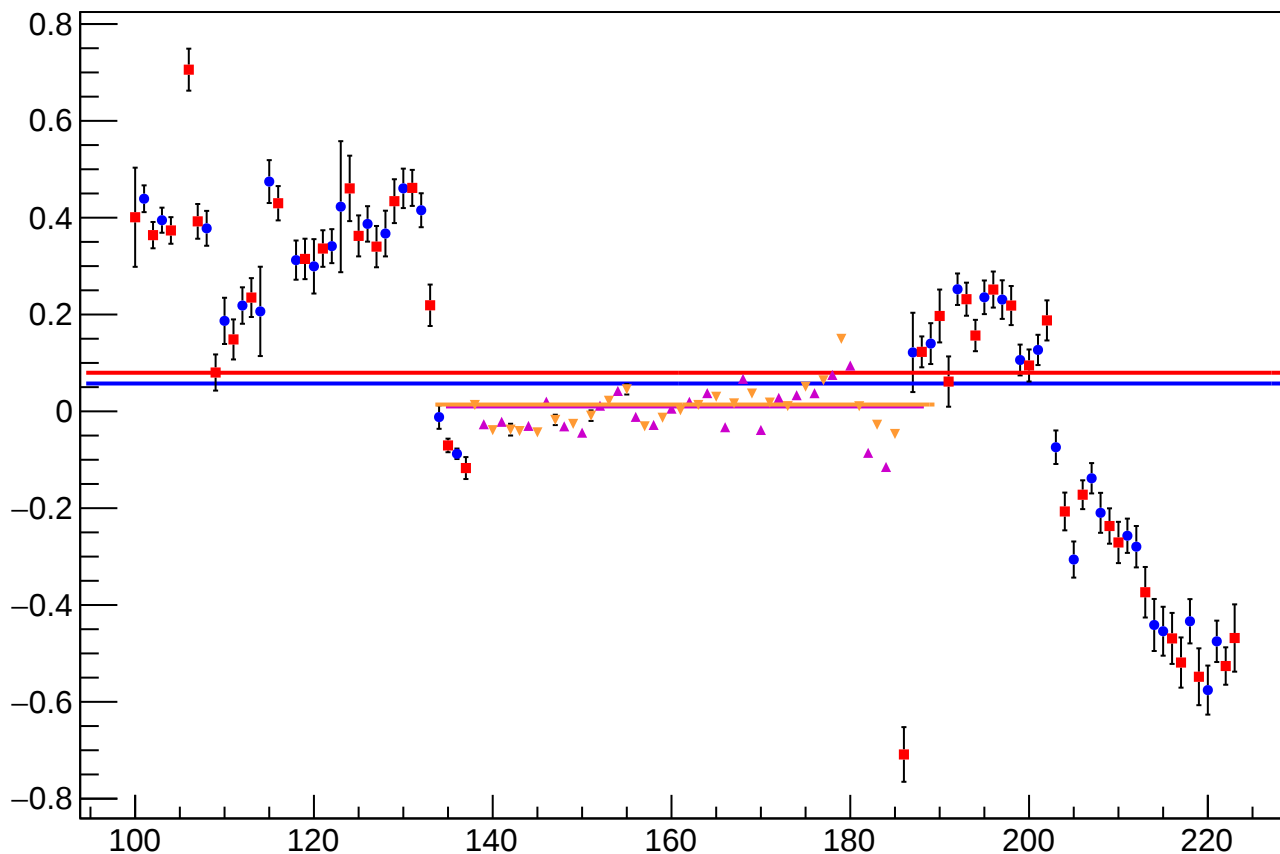
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -6.004 ± 0.030 χ^2/NDF : 4482.6/59

All: -6.000 ± 0.021 χ^2/NDF : 8362.9/121

- sign -5.996 ± 0.031 χ^2/NDF : 3880.3/61

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.058 ± 0.006 χ^2/NDF : 2240.8/34

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.080 ± 0.006 χ^2/NDF : 2466.9/38

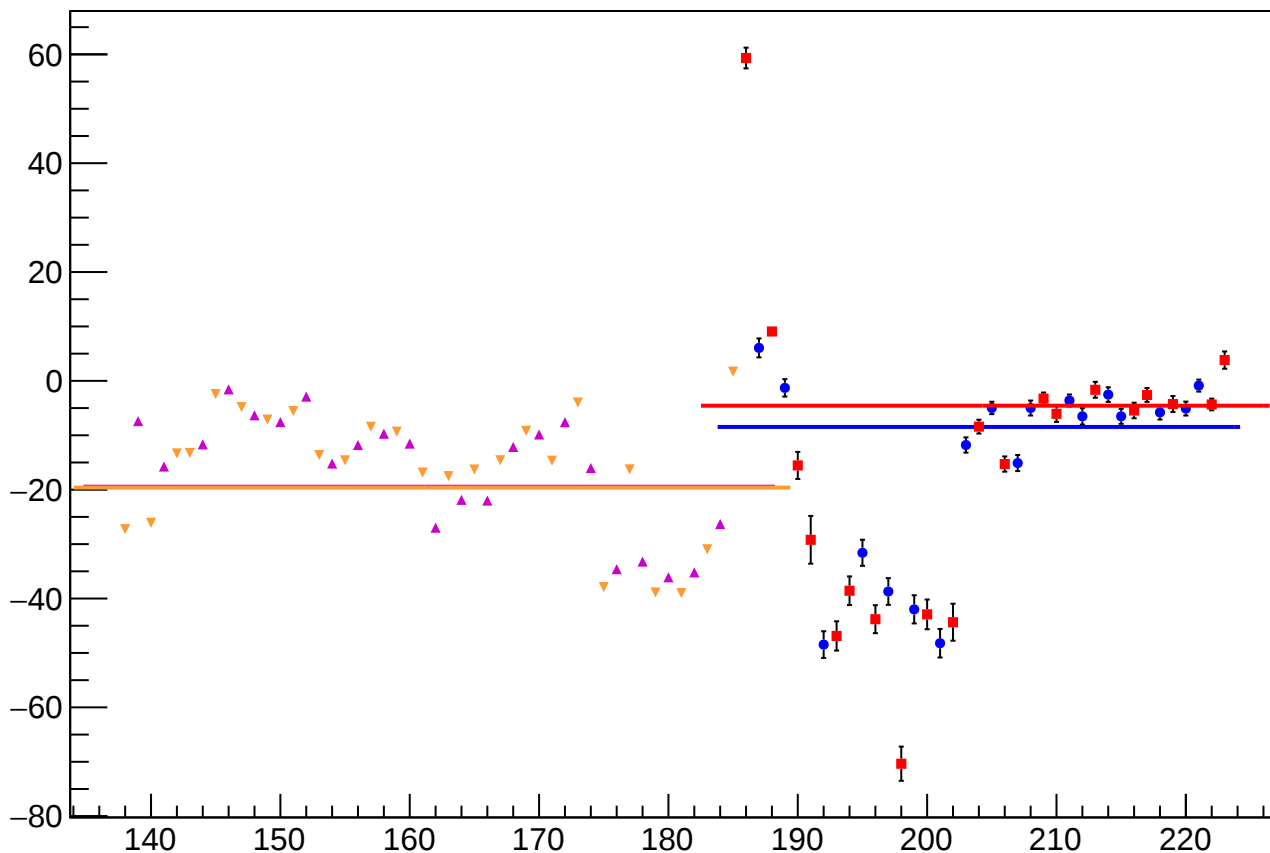
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.017 ± 0.001 χ^2/NDF : 3253.3/59

All: 0.016 ± 0.001 χ^2/NDF : 7075.4/121

- sign 0.014 ± 0.001 χ^2/NDF : 3820.6/61

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -8.467 ± 0.351 χ^2/NDF : 1139.7/17

Left Out: -19.612 ± 0.103 χ^2/NDF : 15761.3/24

Right Out: -4.563 ± 0.346 χ^2/NDF : 2965.0/19

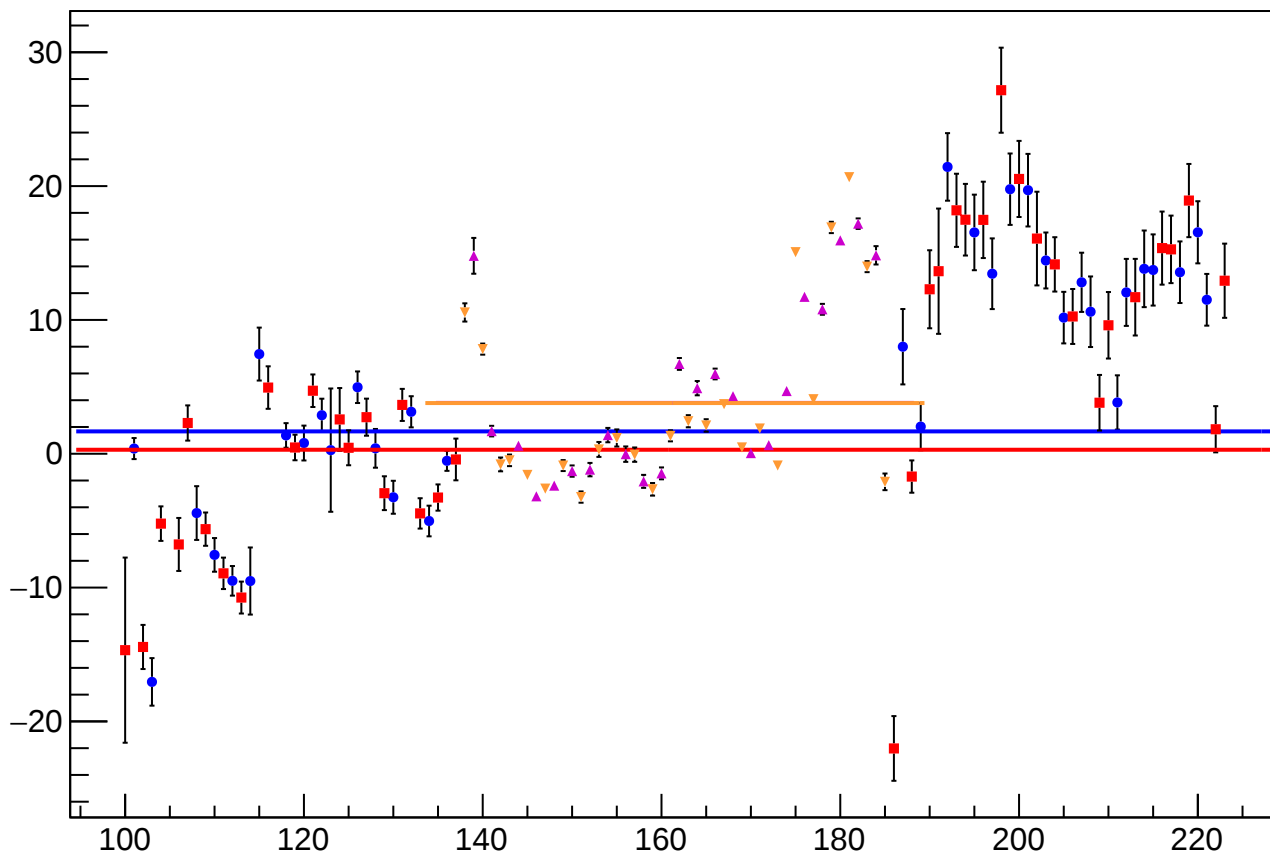
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -18.723 ± 0.099 χ^2/NDF : 17831.2/42

All: -18.464 ± 0.071 χ^2/NDF : 34784.3/85

- sign -18.196 ± 0.101 χ^2/NDF : 16939.1/42

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 1.671 $\pm$ 0.258 χ^2 /NDF: 826.2/34

Left Out: 3.788 $\pm$ 0.082 χ^2 /NDF: 7150.5/24

Right Out: 0.299 $\pm$ 0.262 χ^2 /NDF: 971.7/38

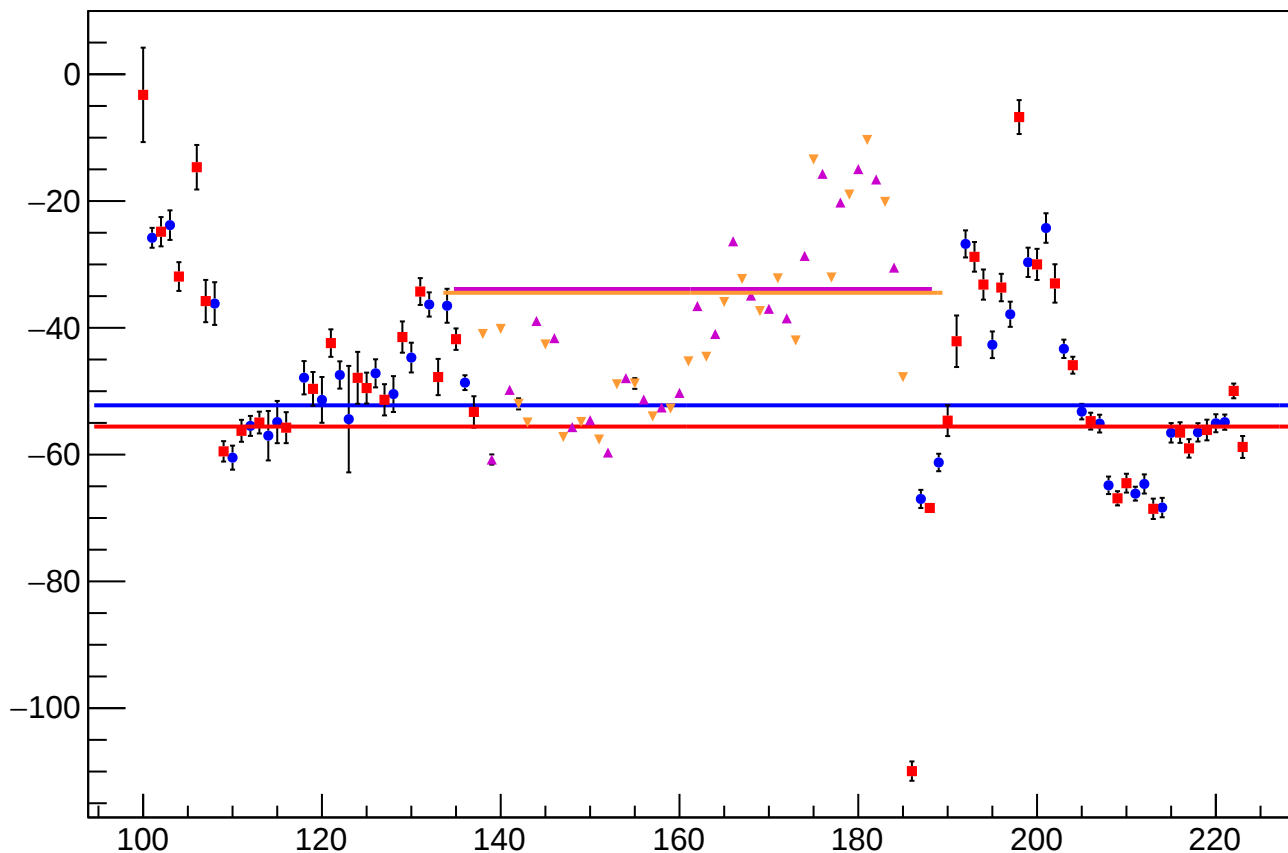
Left In: 3.799 $\pm$ 0.084 χ^2 /NDF: 5517.0/22

+ sign 3.594 $\pm$ 0.078 χ^2 /NDF: 8037.6/59

All: 3.536 $\pm$ 0.056 χ^2 /NDF: 14688.8/121

- sign 3.477 $\pm$ 0.080 χ^2 /NDF: 6650.1/61

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -52.228 ± 0.293 χ^2/NDF : 1713.0/34

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -55.577 ± 0.284 χ^2/NDF : 3513.4/38

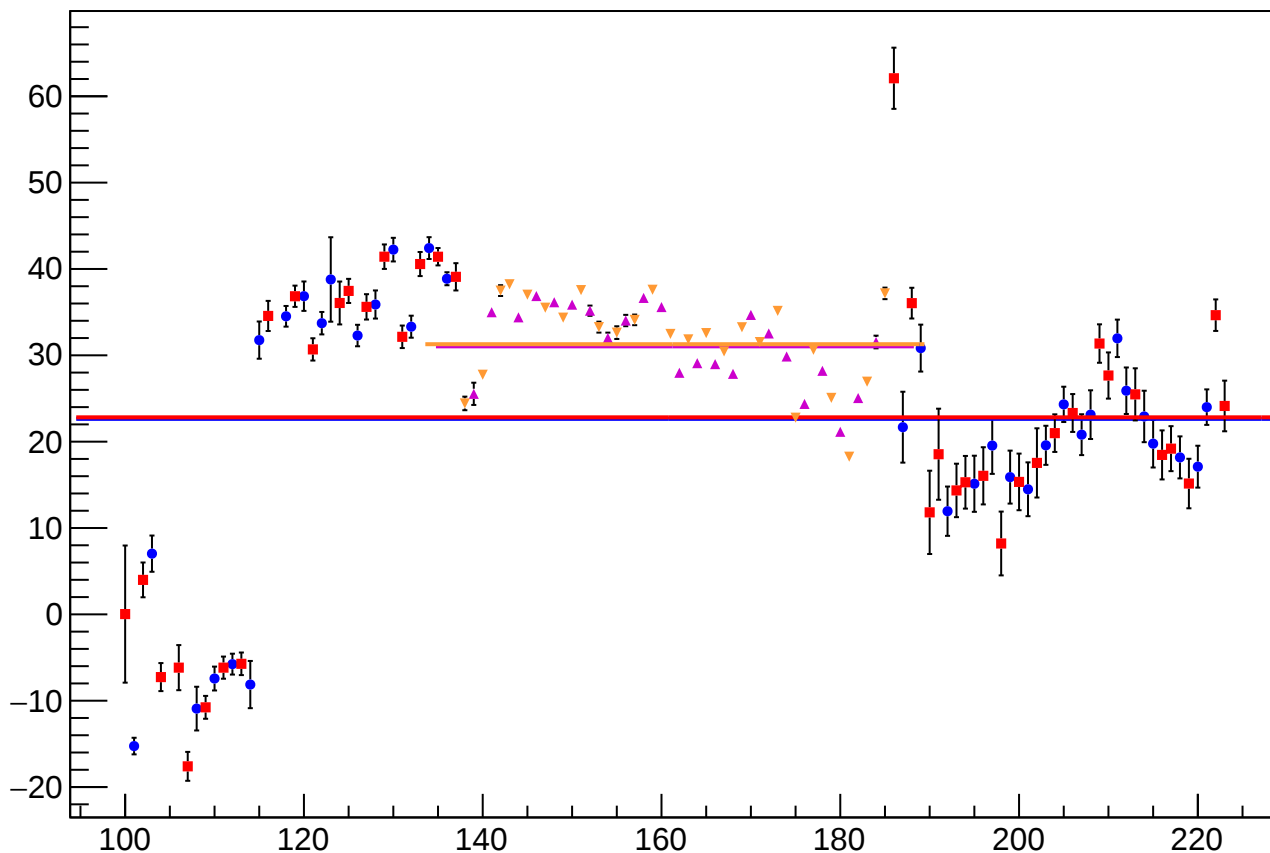
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -36.461 ± 0.098 χ^2/NDF : 25179.0/59

All: -36.480 ± 0.070 χ^2/NDF : 51469.0/121

- sign -36.499 ± 0.099 χ^2/NDF : 26289.9/61

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.641 $\pm$ 0.290 χ^2 /NDF: 4392.2/34

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.818 $\pm$ 0.297 χ^2 /NDF: 4332.1/38

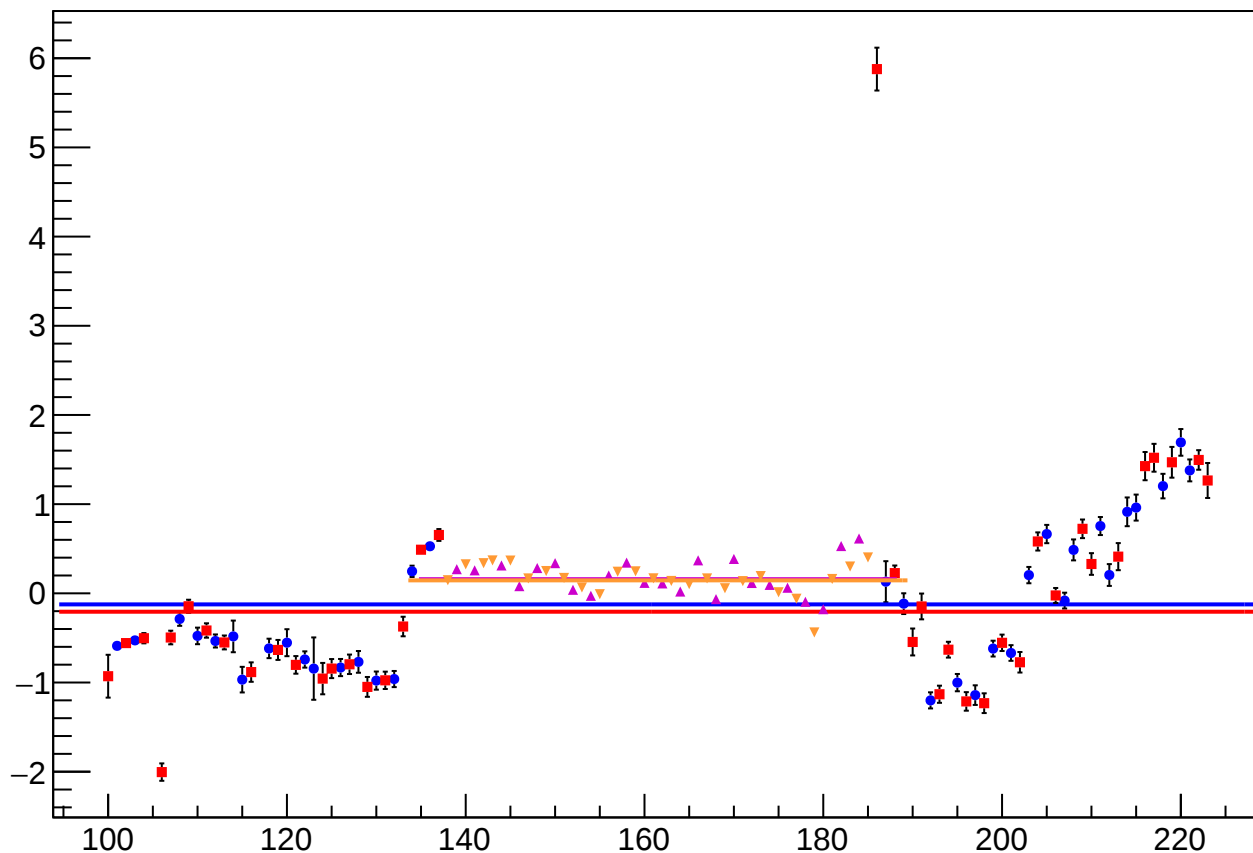
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.490 $\pm$ 0.088 χ^2 /NDF: 8544.4/59

All: 30.392 $\pm$ 0.063 χ^2 /NDF: 16053.5/121

- sign 30.290 $\pm$ 0.090 χ^2 /NDF: 7506.6/61

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.124 ± 0.015 χ^2/NDF : 2054.5/34

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.206 ± 0.015 χ^2/NDF : 3023.1/38

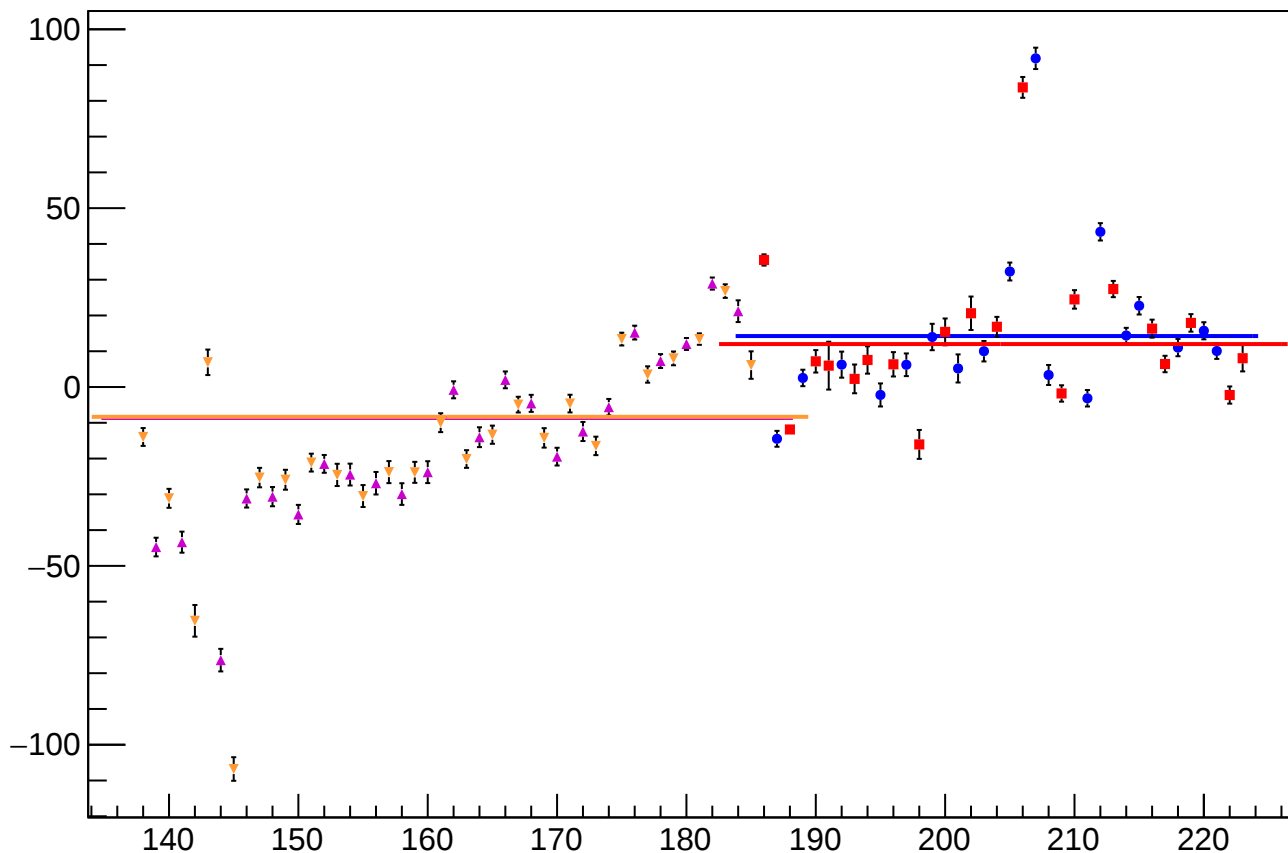
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.125 ± 0.004 χ^2/NDF : 3945.8/59

All: 0.128 ± 0.003 χ^2/NDF : 9536.5/121

- sign 0.131 ± 0.004 χ^2/NDF : 5589.7/61

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 14.247 $\pm$ 0.618 χ^2 /NDF: 1198.9/17

Left Out: -8.332 $\pm$ 0.500 χ^2 /NDF: 2226.2/24

Right Out: 12.007 $\pm$ 0.566 χ^2 /NDF: 1427.6/19

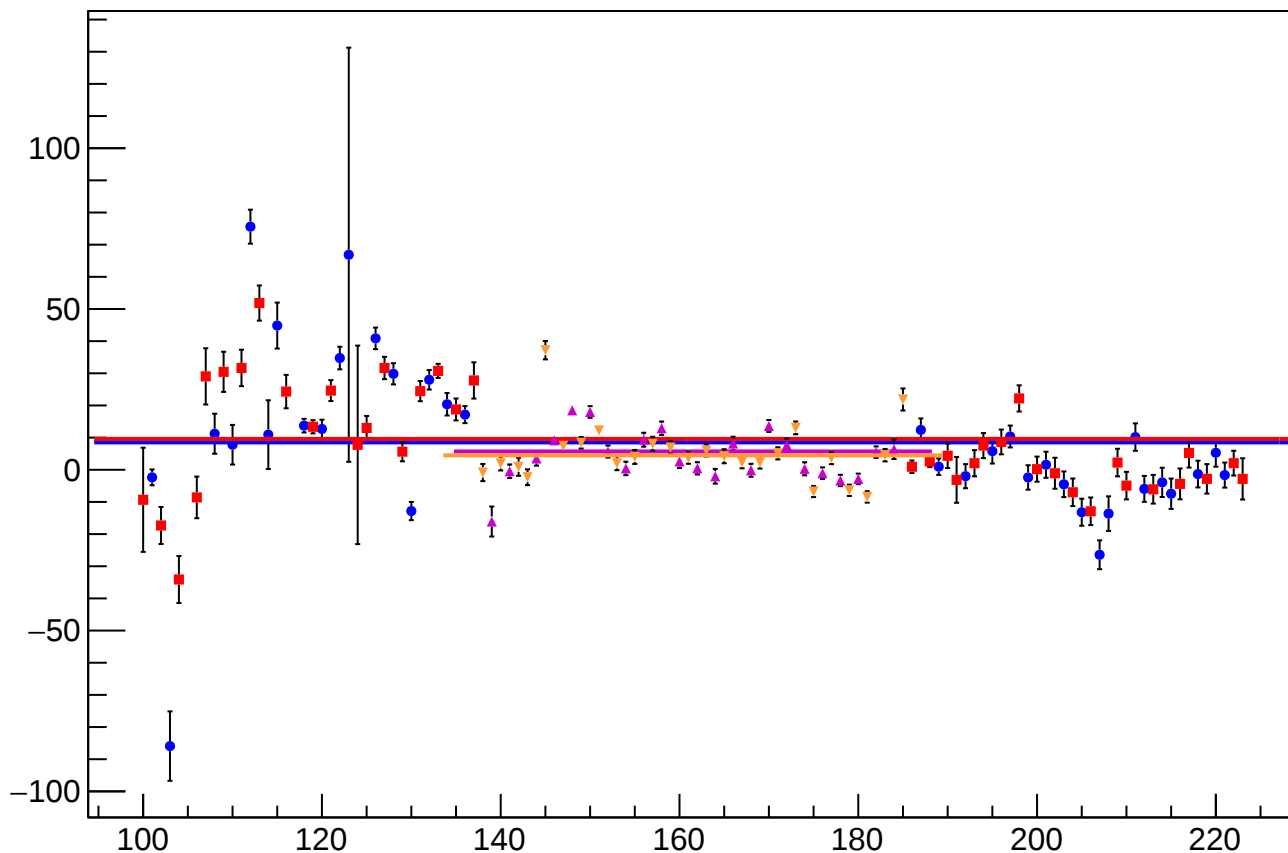
Left In: -8.652 $\pm$ 0.507 χ^2 /NDF: 2223.8/22

+ sign 0.590 $\pm$ 0.389 χ^2 /NDF: 4232.2/42

All: 0.568 $\pm$ 0.271 χ^2 /NDF: 8622.3/85

- sign 0.546 $\pm$ 0.378 χ^2 /NDF: 4390.1/42

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 8.519 ± 0.629 χ^2/NDF : 791.9/34

Left Out: 4.484 ± 0.392 χ^2/NDF : 371.9/24

Right Out: 9.583 ± 0.599 χ^2/NDF : 525.7/38

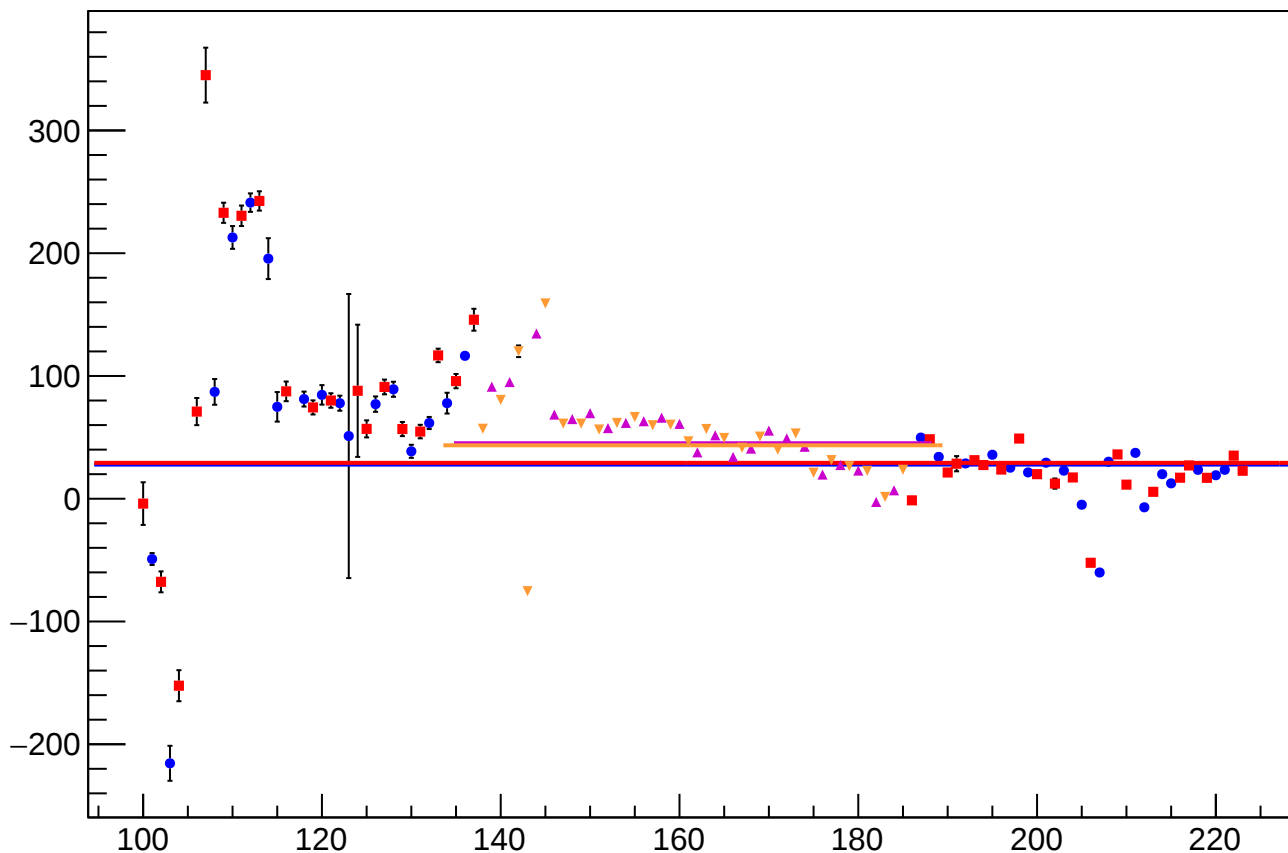
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 5.614 ± 0.333 χ^2/NDF : 1193.4/59

All: 6.262 ± 0.236 χ^2/NDF : 2079.6/121

- sign 6.919 ± 0.335 χ^2/NDF : 878.6/61

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 27.825 $\pm$ 0.566 χ^2 /NDF: 4365.4/34

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF: 3830.7/24

Right Out: 29.224 $\pm$ 0.501 χ^2 /NDF: 5495.1/38

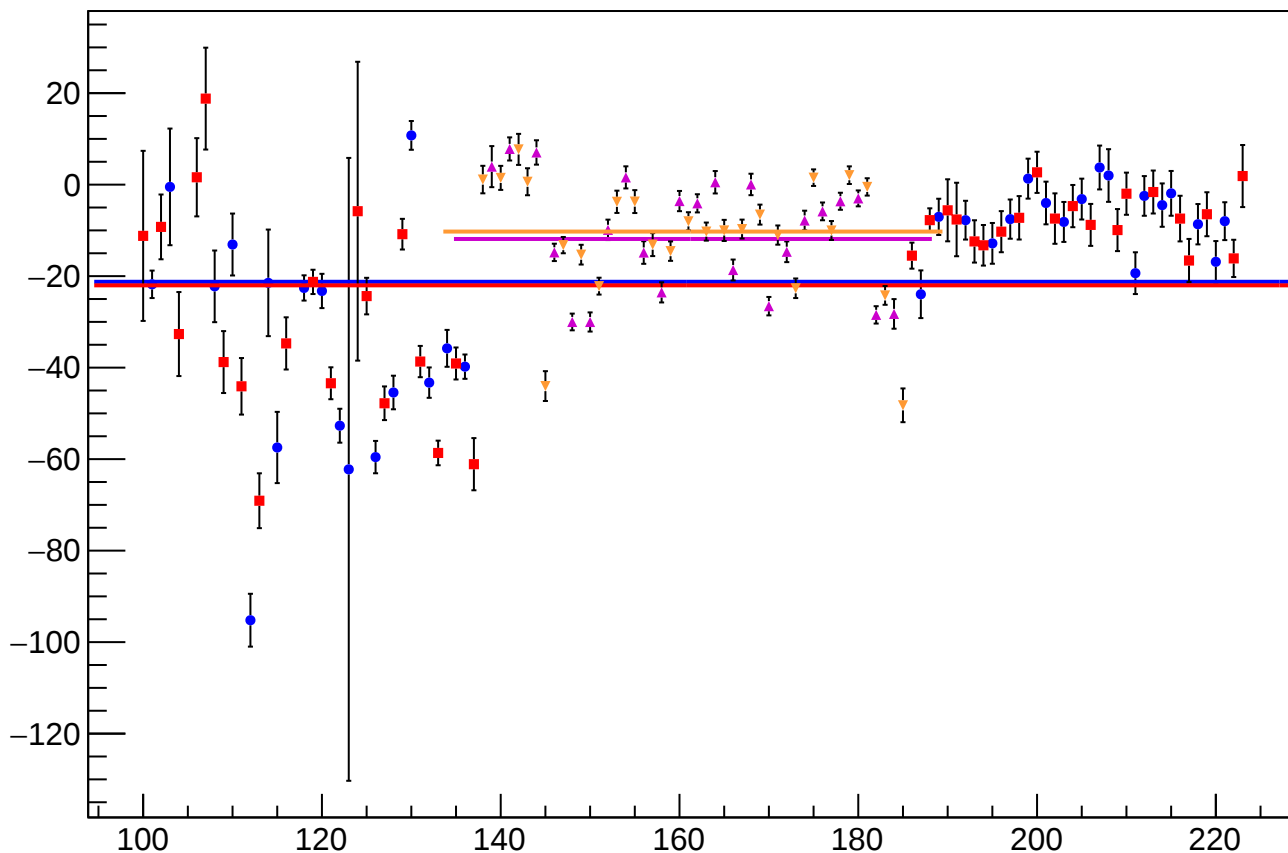
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

+ sign 36.672 $\pm$ 0.374 χ^2 /NDF: 8629.1/59

All: 36.927 $\pm$ 0.258 χ^2 /NDF: 17679.9/121

- sign 37.158 $\pm$ 0.355 χ^2 /NDF: 9049.8/61

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -21.233 ± 0.723 χ^2/NDF : 845.3/34

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -22.013 ± 0.711 χ^2/NDF : 698.5/38

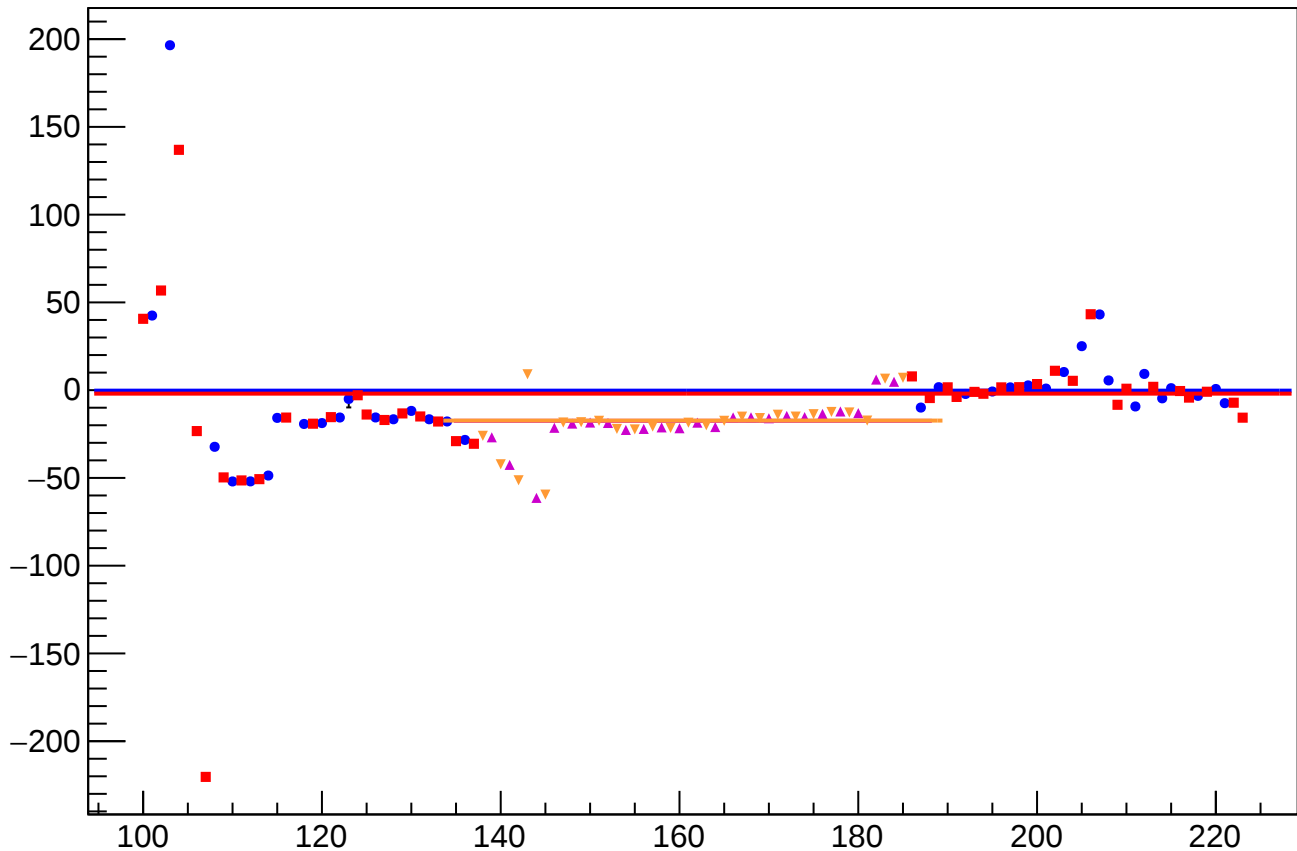
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.267 ± 0.378 χ^2/NDF : 1565.2/59

All: -14.039 ± 0.269 χ^2/NDF : 3082.4/121

- sign -14.832 ± 0.384 χ^2/NDF : 1508.7/61

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.285 ± 0.035 χ^2/NDF : 679321.9/34

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -1.984 ± 0.034 χ^2/NDF : 673813.1/38

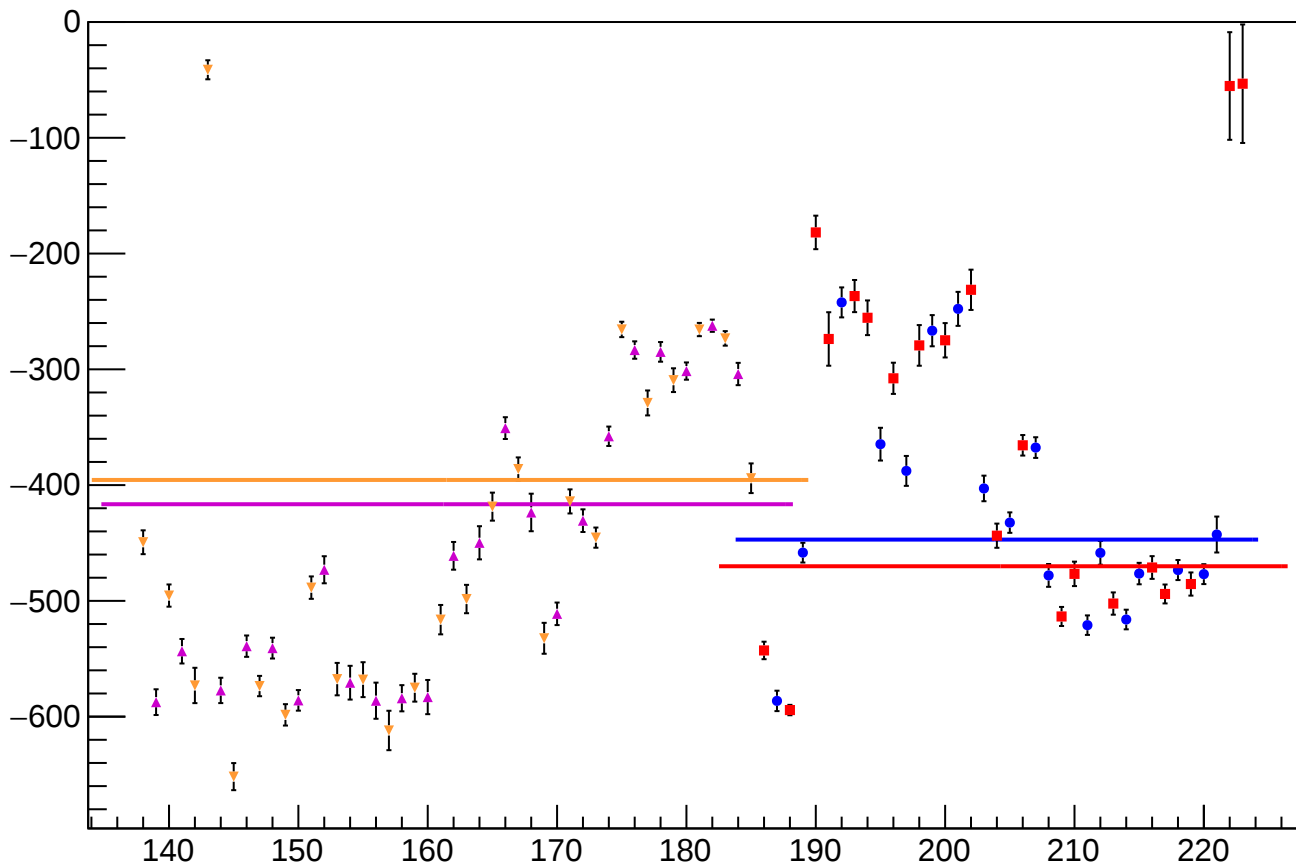
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -12.929 ± 0.018 χ^2/NDF : 1184927.8/59

All: -13.099 ± 0.012 χ^2/NDF : 2271275.6/121

- sign -13.270 ± 0.018 χ^2/NDF : 1086159.8/61

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -447.069+/-2.372 χ^2/NDF : 1204.0/17

Left Out: -395.547+/-1.953 χ^2/NDF : 5946.5/24

Right Out: -470.096+/-2.278 χ^2/NDF : 2782.5/19

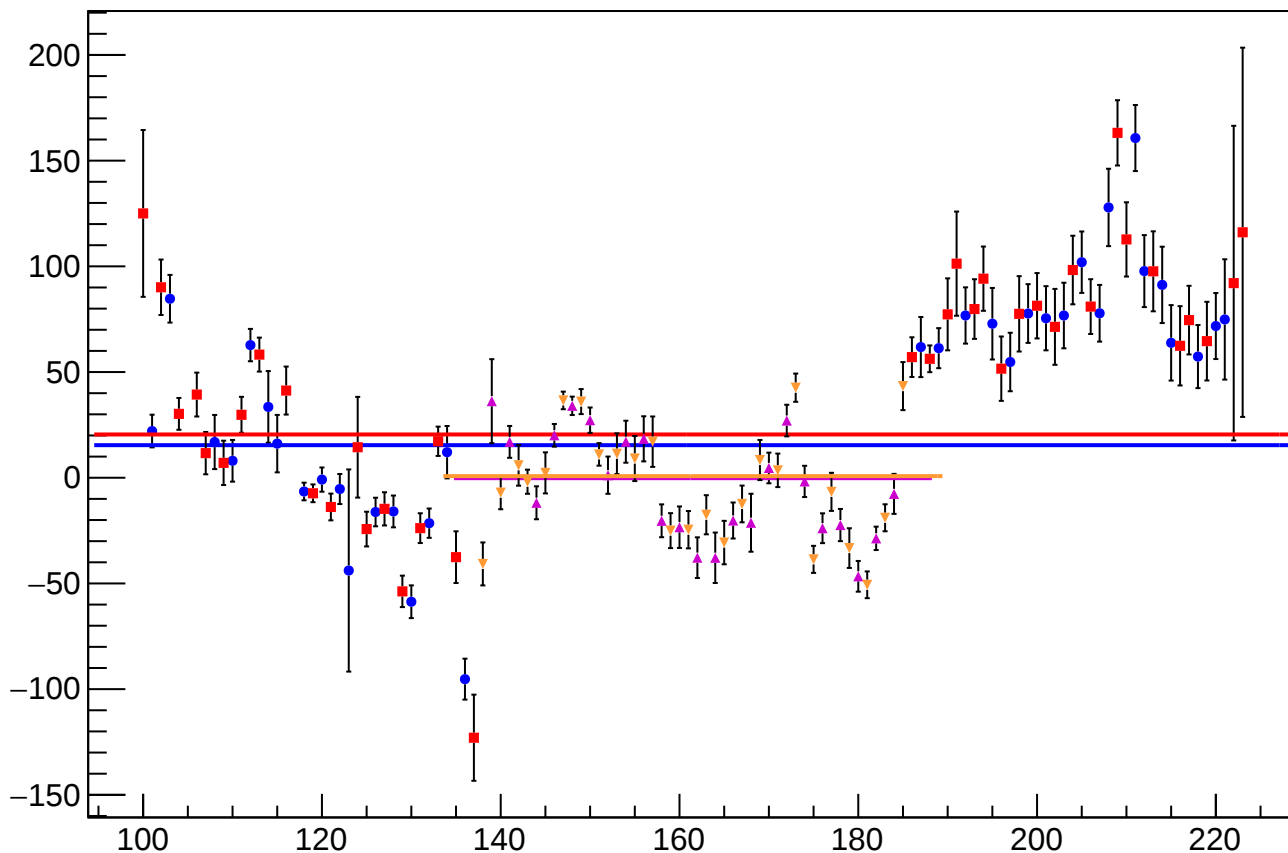
Left In: -416.521+/-2.005 χ^2/NDF : 3917.0/22

+ sign -416.369+/-1.508 χ^2/NDF : 7431.6/42

All: -428.161+/-1.065 χ^2/NDF : 14565.0/85

- sign -439.906+/-1.505 χ^2/NDF : 7011.3/42

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 15.410 ± 1.689 $\chi^2/\text{NDF}: 795.4/34$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 20.470 ± 1.650 $\chi^2/\text{NDF}: 750.4/38$

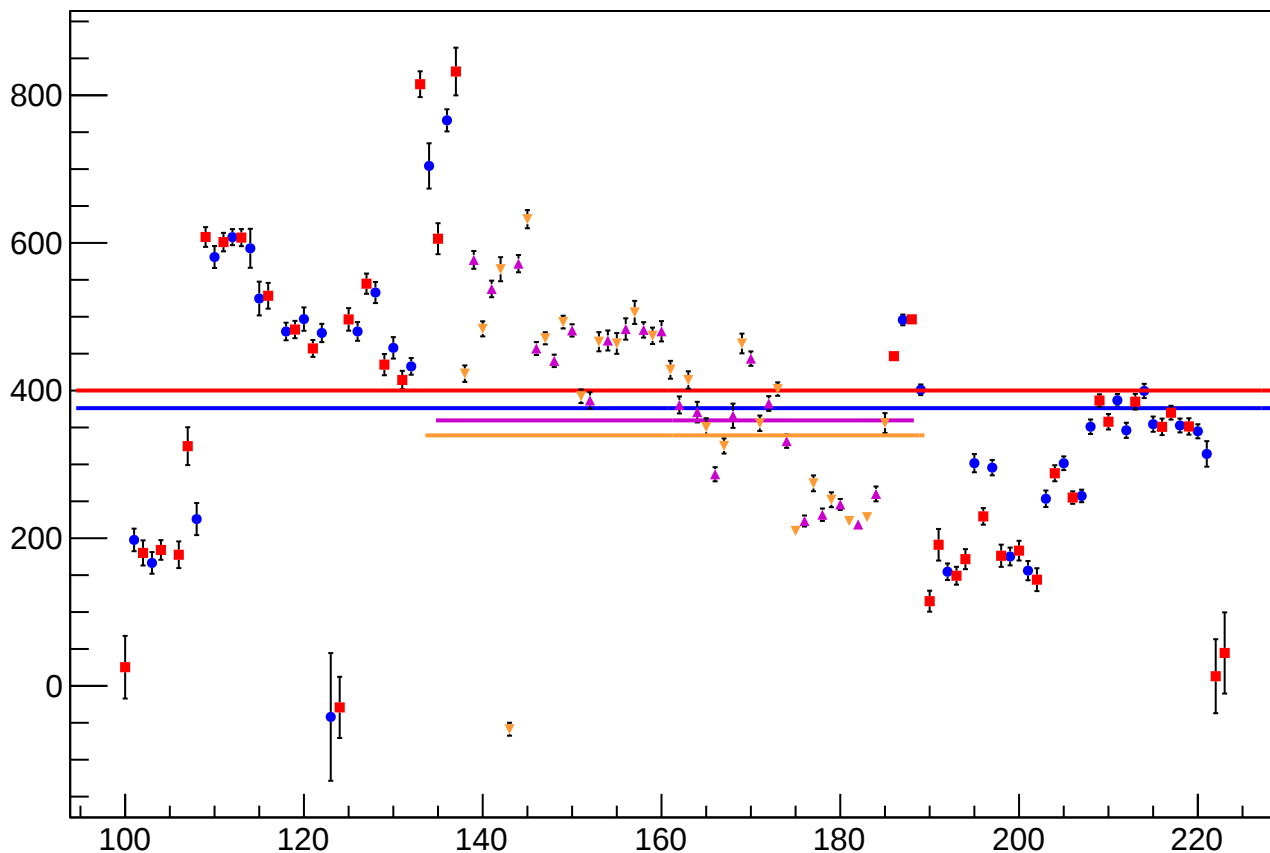
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 7.236 ± 1.123 $\chi^2/\text{NDF}: 1187.4/59$

All: 8.429 ± 0.800 $\chi^2/\text{NDF}: 2283.0/121$

- sign 9.657 ± 1.139 $\chi^2/\text{NDF}: 1093.3/61$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 376.184 $\pm$ 1.953 χ^2/NDF : 4167.7/34

Left Out: 339.355 $\pm$ 1.963 χ^2/NDF : 5502.5/24

Right Out: 400.098 $\pm$ 1.800 χ^2/NDF : 6266.7/38

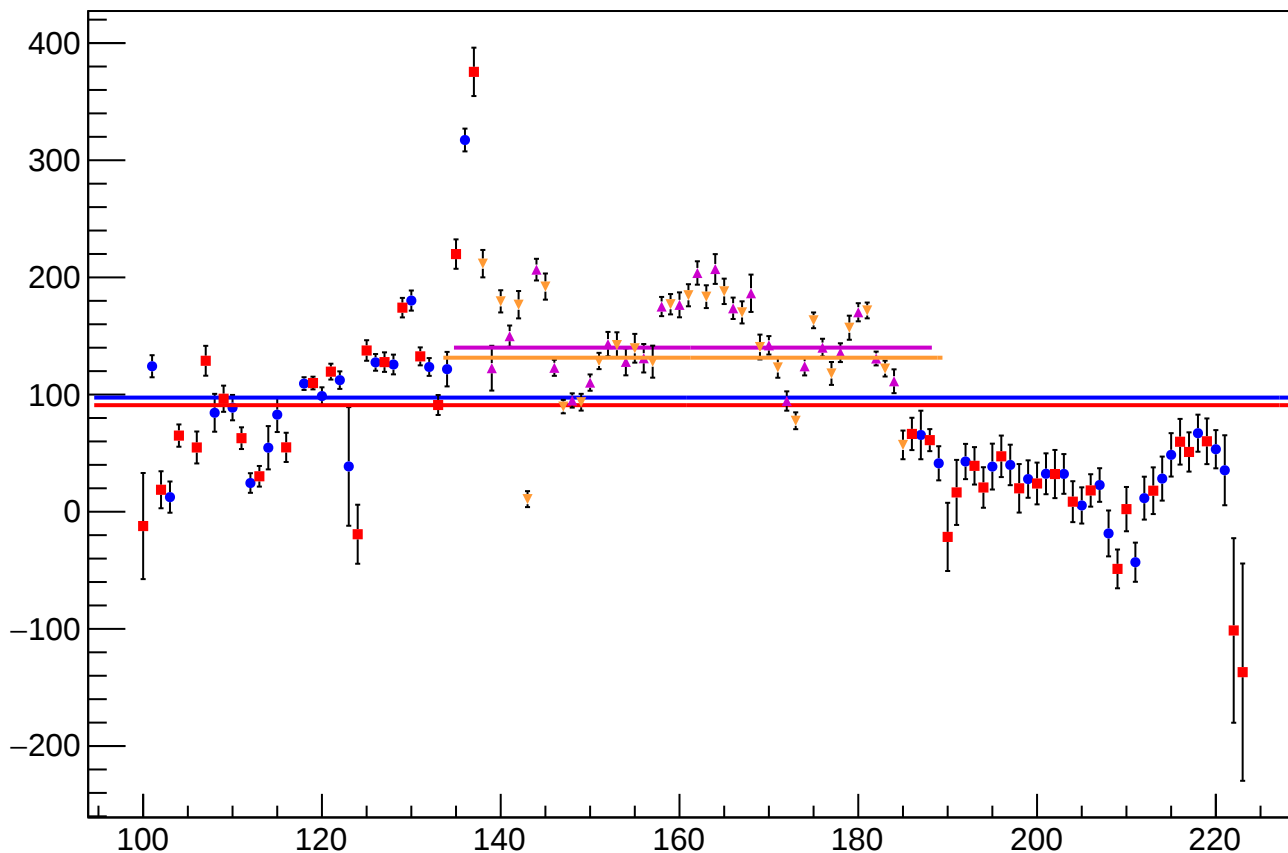
Left In: 359.609 $\pm$ 2.003 χ^2/NDF : 3398.5/22

+ sign 357.857 $\pm$ 1.384 χ^2/NDF : 9847.1/59

All: 370.336 $\pm$ 0.962 χ^2/NDF : 19895.6/121

- sign 382.005 $\pm$ 1.339 χ^2/NDF : 9891.3/61

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 97.420 $\pm$ 1.954 χ^2 /NDF: 1114.7/34

Left Out: 131.464 $\pm$ 1.728 χ^2 /NDF: 809.3/24

Right Out: 90.942 $\pm$ 1.929 χ^2 /NDF: 918.3/38

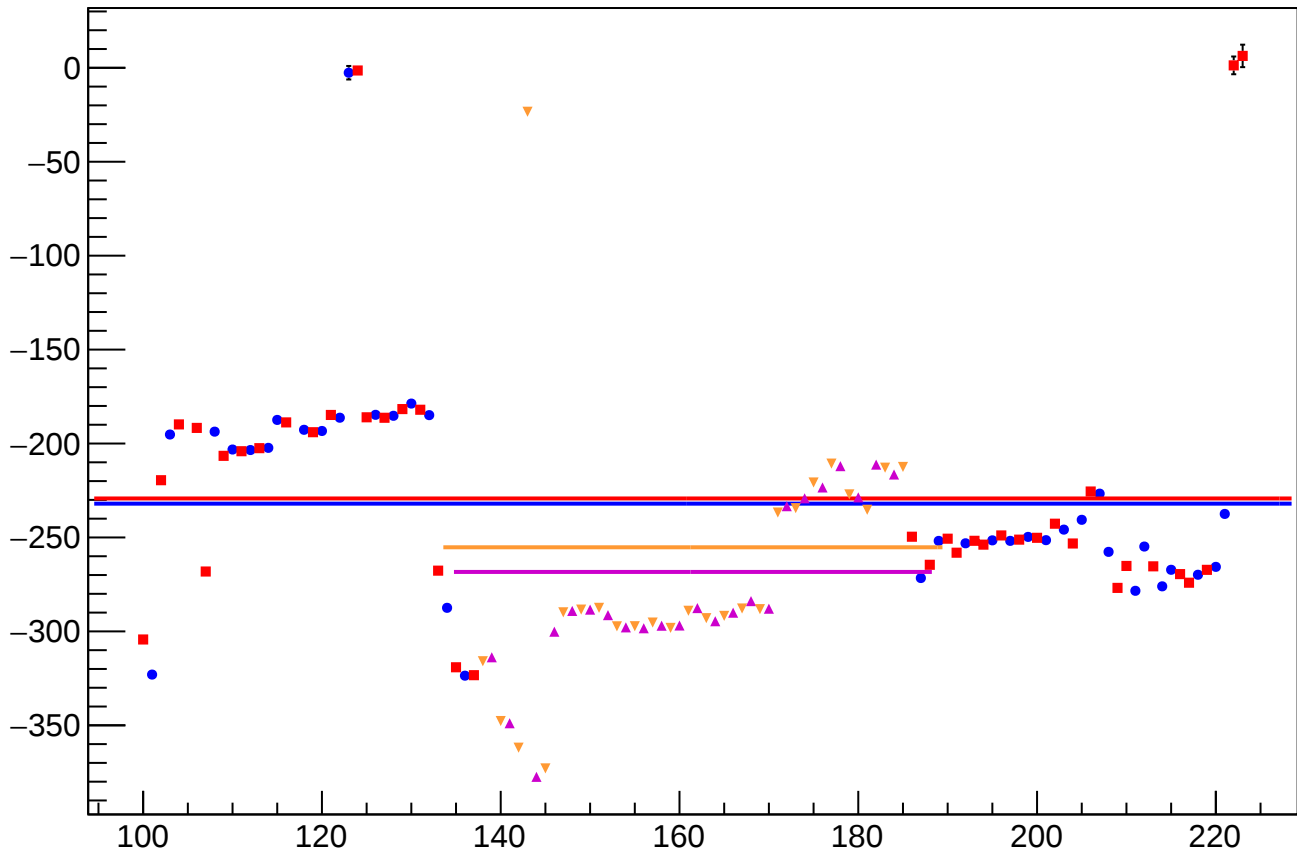
Left In: 140.069 $\pm$ 1.795 χ^2 /NDF: 316.5/22

+ sign 116.527 $\pm$ 1.294 χ^2 /NDF: 2094.4/59

All: 116.892 $\pm$ 0.922 χ^2 /NDF: 3677.0/121

- sign 117.268 $\pm$ 1.314 χ^2 /NDF: 1582.4/61

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -232.001 ± 0.104 $\chi^2/\text{NDF}: 179620.0/34$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -229.246 ± 0.100 $\chi^2/\text{NDF}: 164982.5/38$

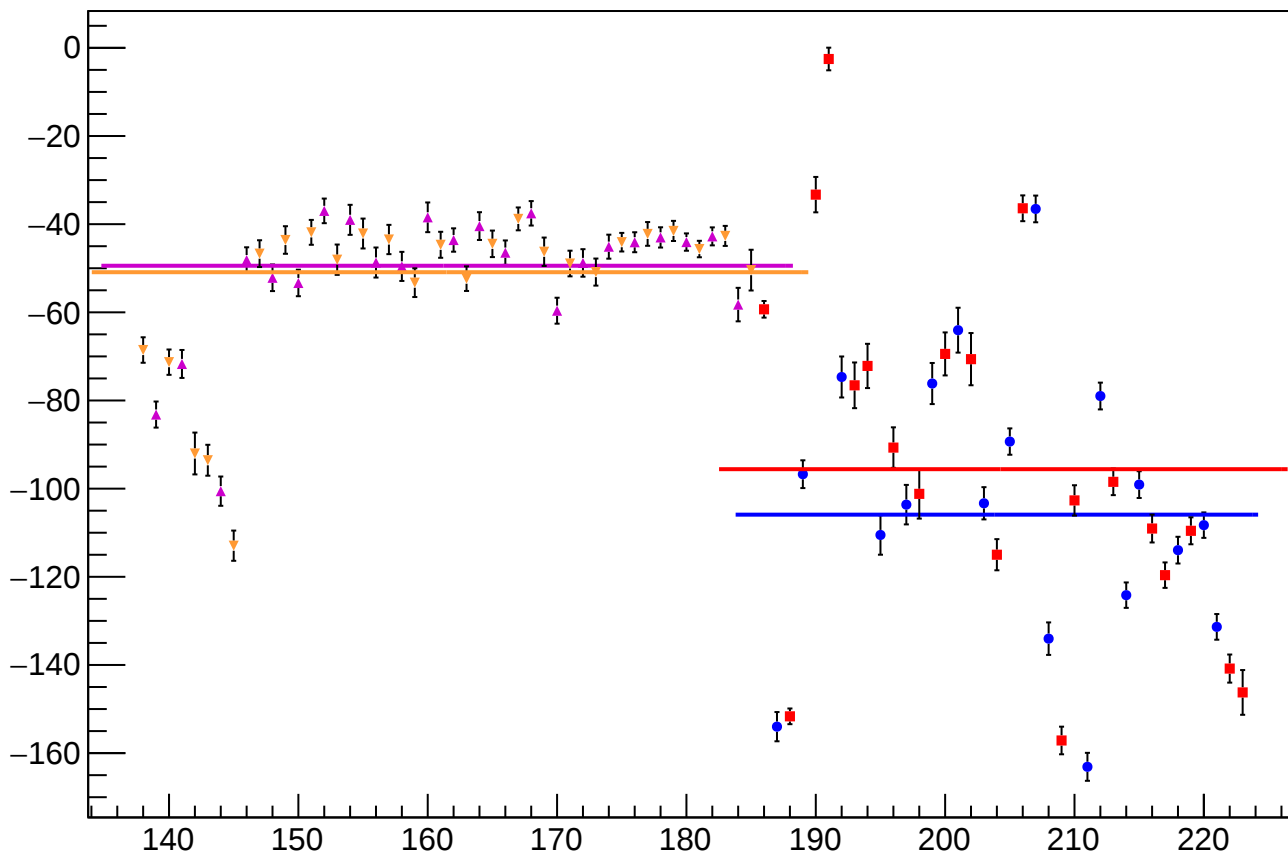
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -246.317 ± 0.064 $\chi^2/\text{NDF}: 938466.5/59$

All: -249.296 ± 0.045 $\chi^2/\text{NDF}: 1460222.0/12$

- sign -252.256 ± 0.064 $\chi^2/\text{NDF}: 517482.4/61$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -105.900 ± 0.797 $\chi^2/\text{NDF}: 1519.8/17$

Left Out: -50.897 ± 0.573 $\chi^2/\text{NDF}: 761.1/24$

Right Out: -95.584 ± 0.708 $\chi^2/\text{NDF}: 4238.1/19$

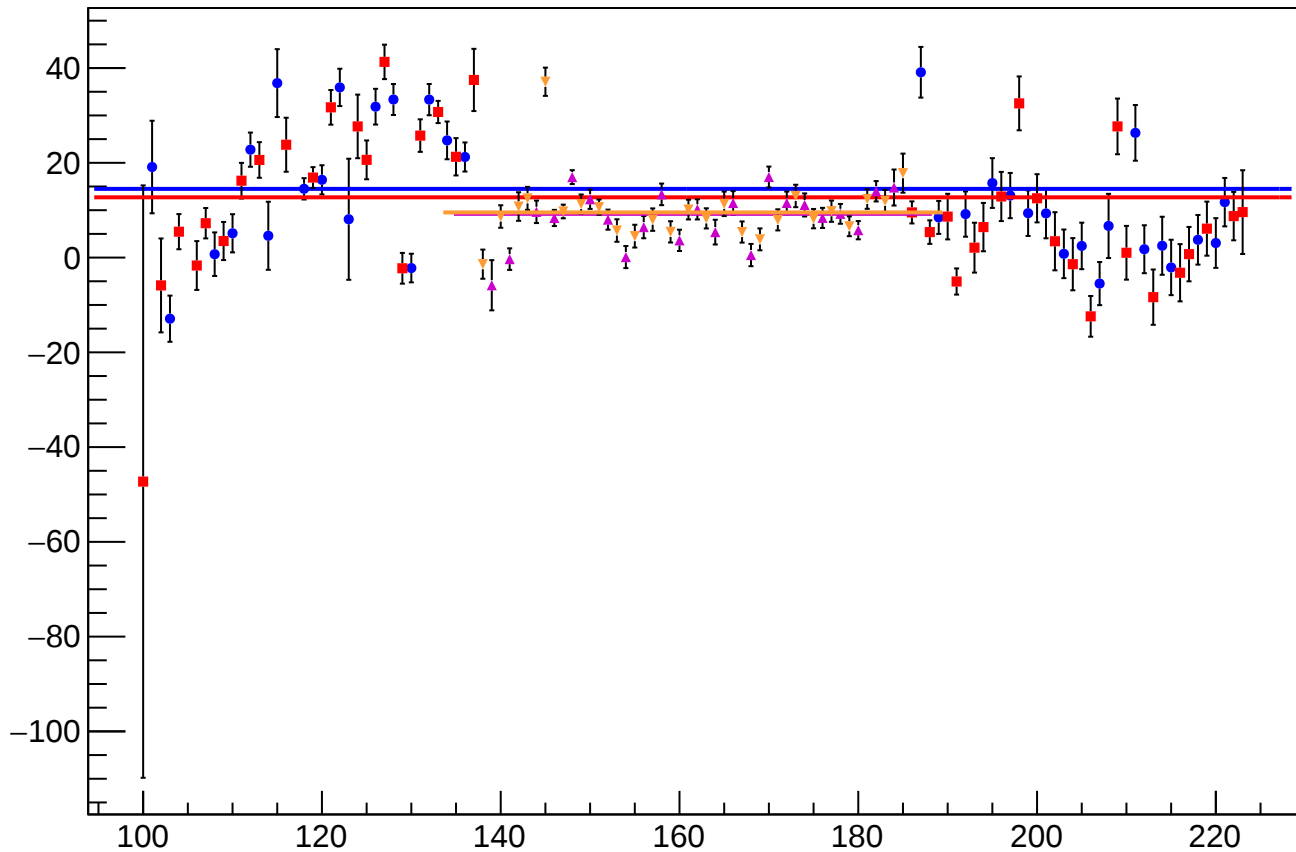
Left In: -49.432 ± 0.584 $\chi^2/\text{NDF}: 543.4/22$

+ sign -69.634 ± 0.465 $\chi^2/\text{NDF}: 5422.3/42$

All: -68.849 ± 0.324 $\chi^2/\text{NDF}: 12737.9/85$

- sign -68.112 ± 0.451 $\chi^2/\text{NDF}: 7310.1/42$

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 14.503 ± 0.727 $\chi^2/\text{NDF}: 315.4/34$

Left Out: 9.530 ± 0.446 $\chi^2/\text{NDF}: 134.4/24$

Right Out: 12.719 ± 0.648 $\chi^2/\text{NDF}: 398.8/38$

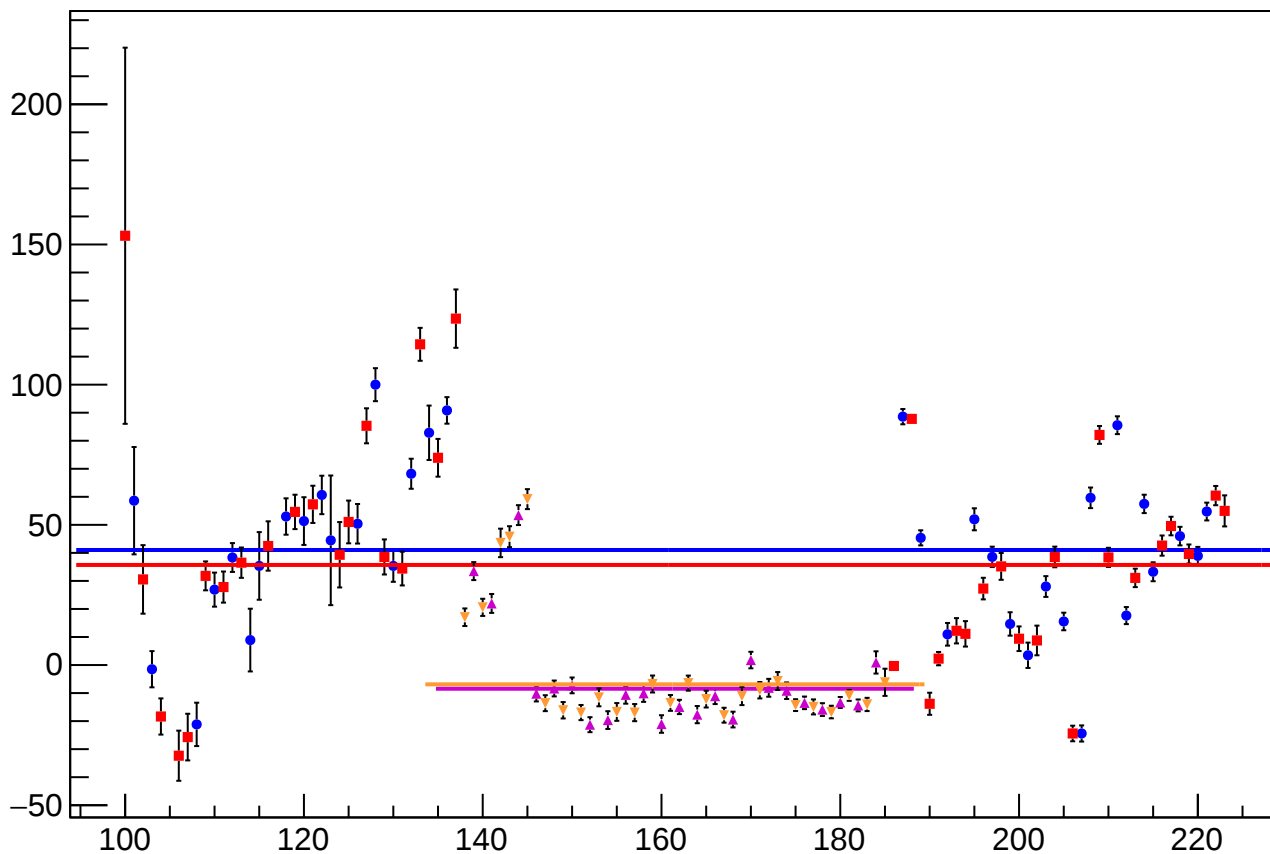
Left In: 9.231 ± 0.462 $\chi^2/\text{NDF}: 124.0/22$

+ sign 10.889 ± 0.380 $\chi^2/\text{NDF}: 483.7/59$

All: 10.645 ± 0.267 $\chi^2/\text{NDF}: 1026.5/121$

- sign 10.406 ± 0.376 $\chi^2/\text{NDF}: 541.9/61$

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 41.032 ± 0.711 $\chi^2/\text{NDF}: 1800.6/34$

Left Out: -6.888 ± 0.571 $\chi^2/\text{NDF}: 914.2/24$

Right Out: 35.698 ± 0.608 $\chi^2/\text{NDF}: 3693.4/38$

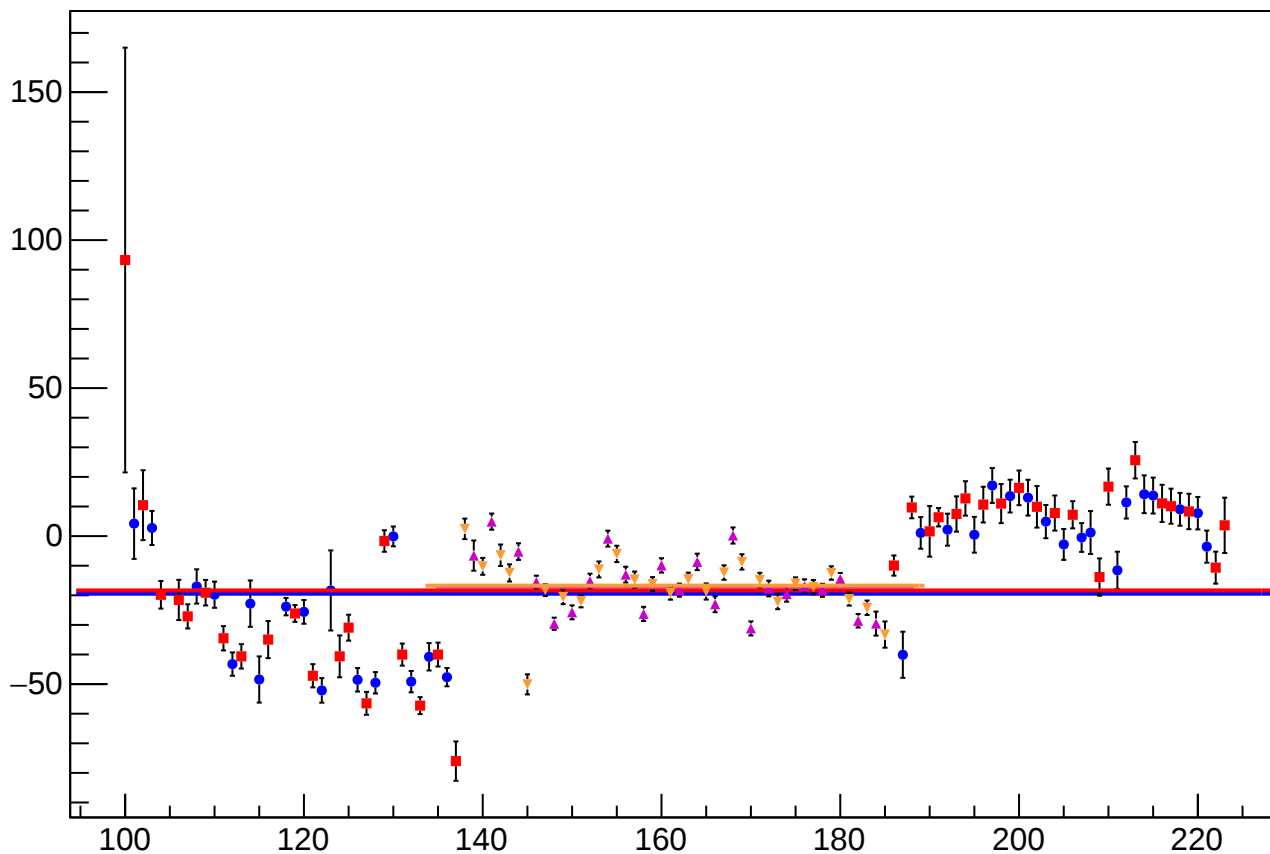
Left In: -8.451 ± 0.580 $\chi^2/\text{NDF}: 688.9/22$

+ sign 11.909 ± 0.445 $\chi^2/\text{NDF}: 5477.7/59$

All: 12.255 ± 0.305 $\chi^2/\text{NDF}: 12620.8/121$

- sign 12.562 ± 0.420 $\chi^2/\text{NDF}: 7141.9/61$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -19.461 ± 0.828 χ^2/NDF : 820.0/34

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -18.348 ± 0.760 χ^2/NDF : 1066.5/38

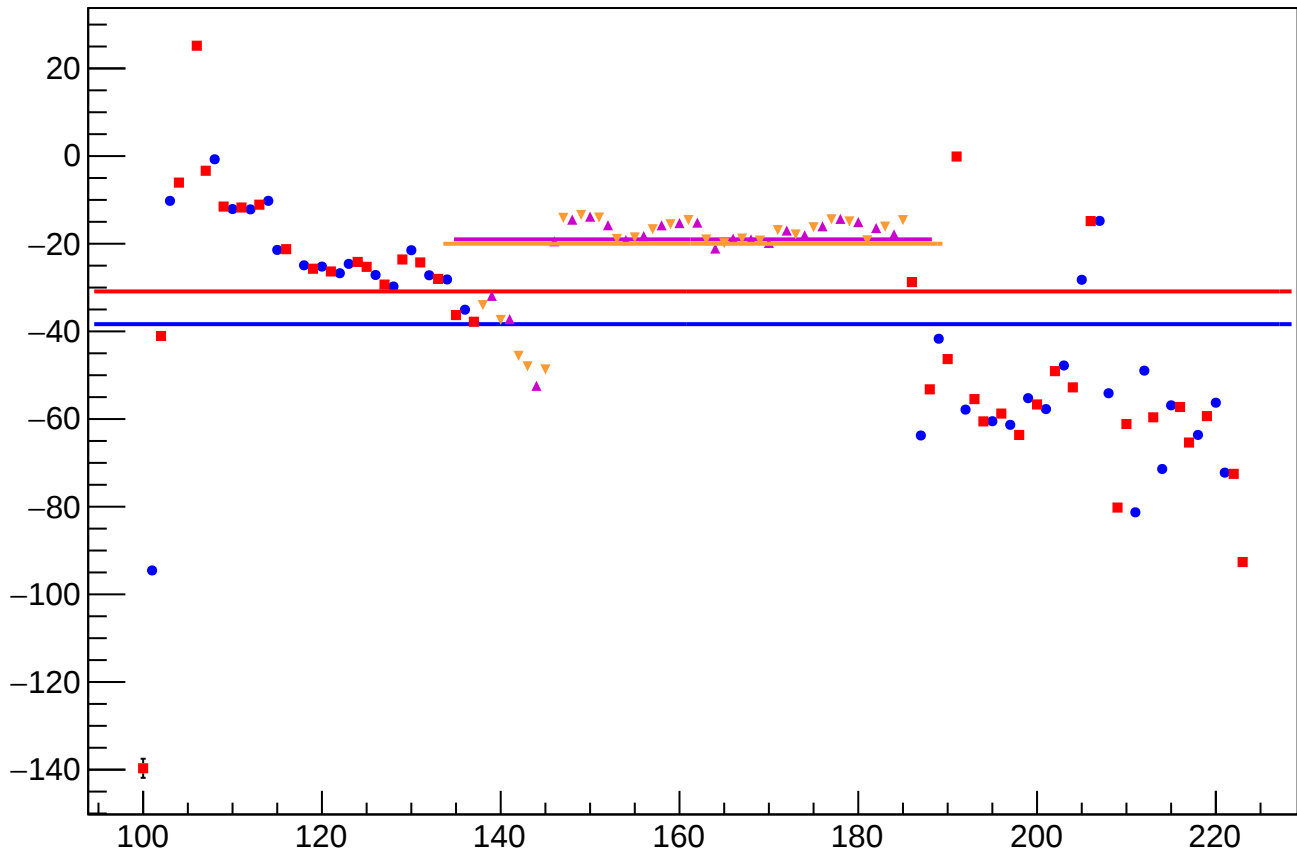
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -17.476 ± 0.432 χ^2/NDF : 1051.1/59

All: -17.462 ± 0.305 χ^2/NDF : 2447.3/121

- sign -17.447 ± 0.430 χ^2/NDF : 1396.2/61

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -38.352 ± 0.040 $\chi^2/\text{NDF}: 279928.3/34$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -30.884 ± 0.035 $\chi^2/\text{NDF}: 519222.6/38$

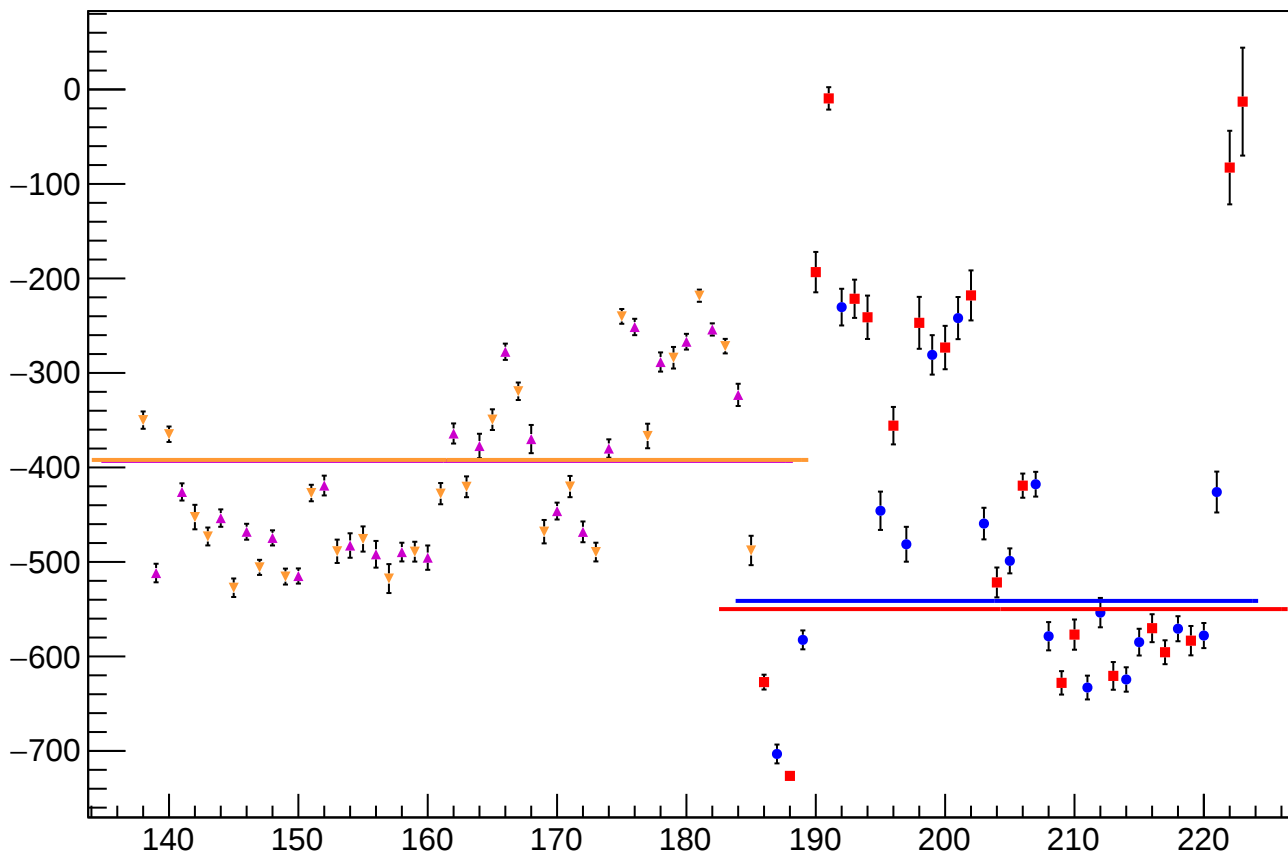
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -24.694 ± 0.020 $\chi^2/\text{NDF}: 584015.9/59$

All: -23.669 ± 0.014 $\chi^2/\text{NDF}: 1277179.5/121$

- sign -22.687 ± 0.020 $\chi^2/\text{NDF}: 688069.3/61$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -541.229+/-3.392 χ^2/NDF : 1180.8/17

Left Out: -392.054+/-1.967 χ^2/NDF : 2717.2/24

Right Out: -549.905+/-2.943 χ^2/NDF : 5004.3/19

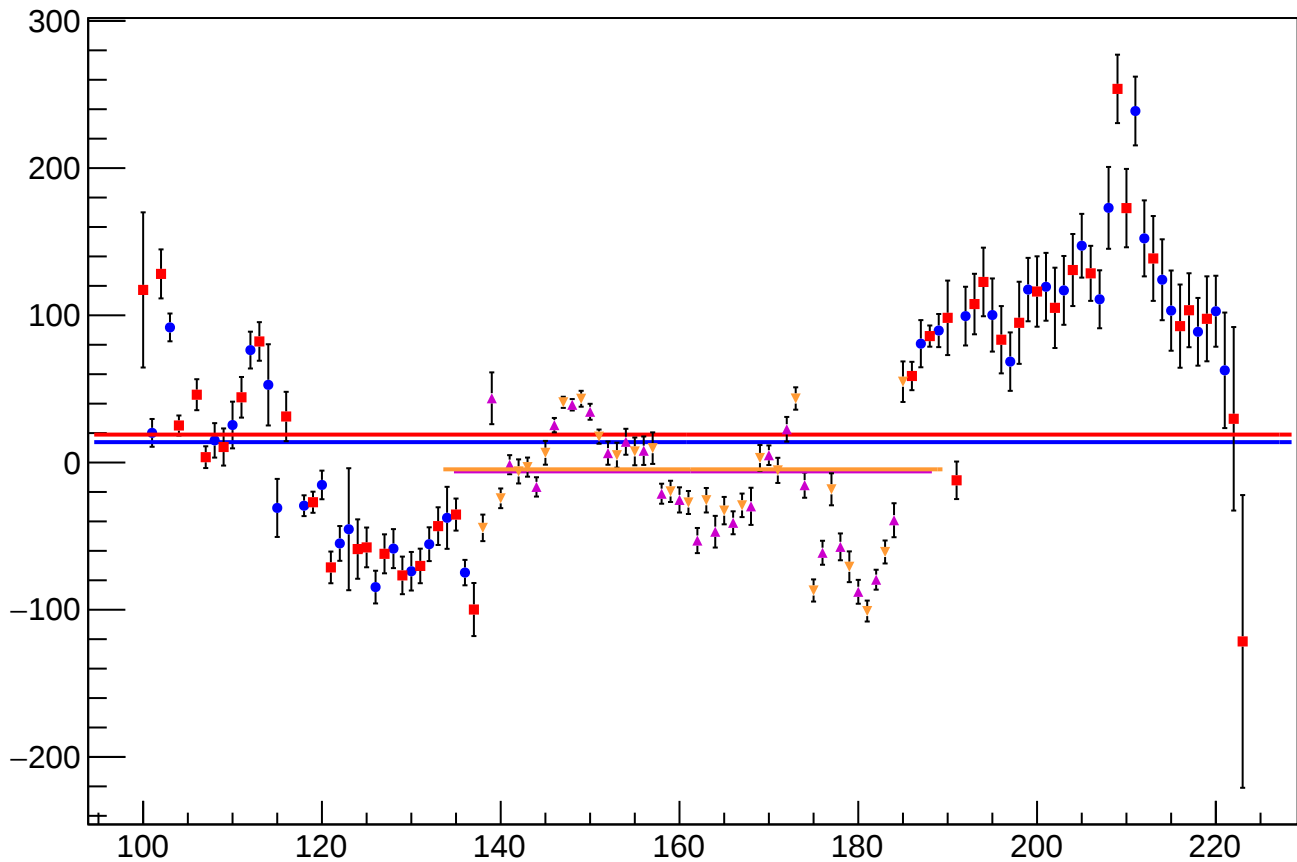
Left In: -393.113+/-2.006 χ^2/NDF : 2253.3/22

+ sign -429.586+/-1.701 χ^2/NDF : 5345.6/42

All: -436.379+/-1.187 χ^2/NDF : 14572.1/85

- sign -442.825+/-1.657 χ^2/NDF : 9195.4/42

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 13.854 $\pm$ 2.455 χ^2 /NDF: 918.2/34

Left Out: -4.624 $\pm$ 1.462 χ^2 /NDF: 772.9/24

Right Out: 18.973 $\pm$ 2.191 χ^2 /NDF: 922.5/38

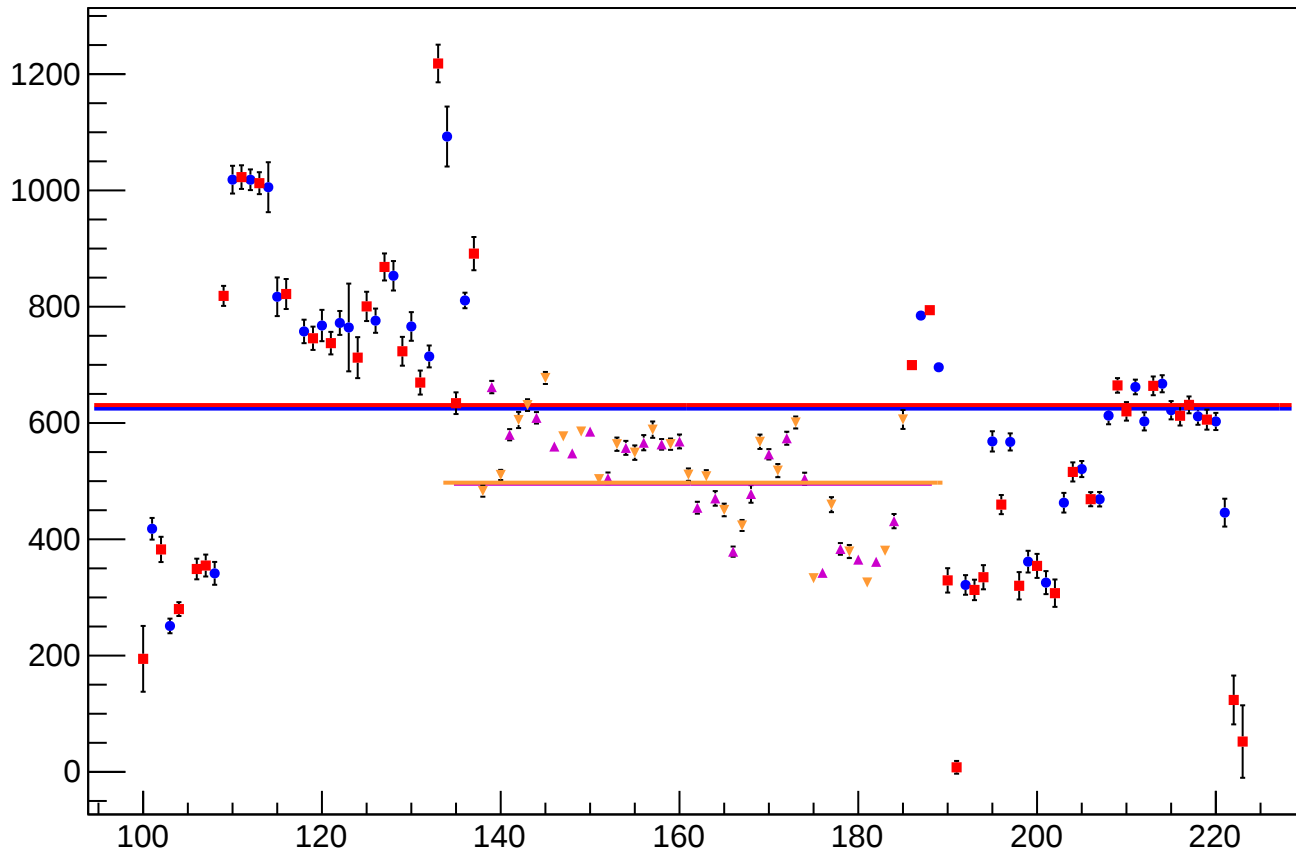
Left In: -6.019 $\pm$ 1.516 χ^2 /NDF: 654.1/22

+ sign 0.213 $\pm$ 1.256 χ^2 /NDF: 1732.9/59

All: 1.151 $\pm$ 0.885 χ^2 /NDF: 3398.5/121

- sign 2.074 $\pm$ 1.247 χ^2 /NDF: 1664.5/61

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 624.783 ± 2.722 $\chi^2/\text{NDF}: 4291.0/34$

Left Out: 497.381 ± 1.966 $\chi^2/\text{NDF}: 2614.6/24$

Right Out: 630.847 ± 2.293 $\chi^2/\text{NDF}: 9869.7/38$

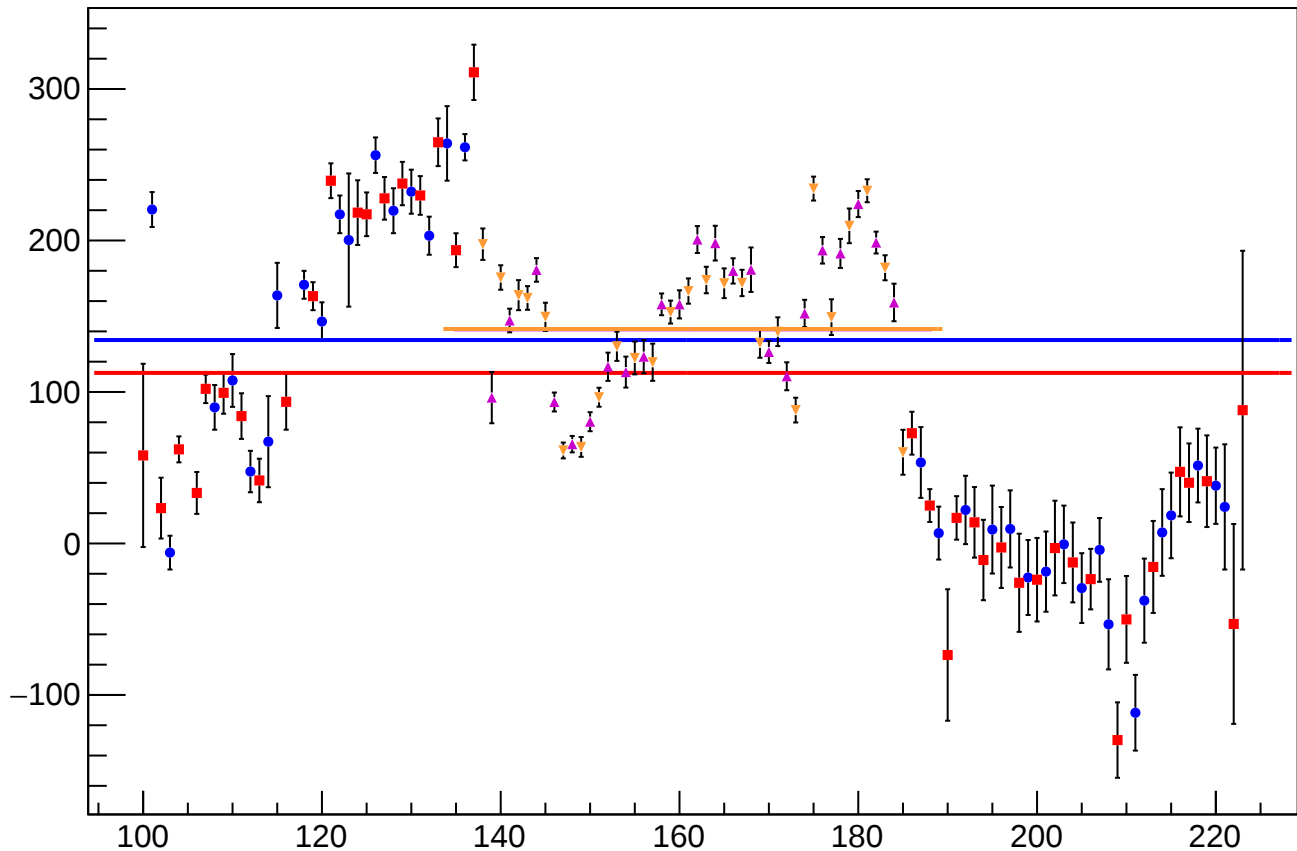
Left In: 495.454 ± 1.992 $\chi^2/\text{NDF}: 2253.8/22$

+ sign 541.050 ± 1.594 $\chi^2/\text{NDF}: 8345.1/59$

All: 547.736 ± 1.094 $\chi^2/\text{NDF}: 22488.6/121$

- sign 553.690 ± 1.504 $\chi^2/\text{NDF}: 14110.2/61$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 134.287 ± 2.842 $\chi^2/\text{NDF}: 1369.2/34$

Left Out: 141.588 ± 1.698 $\chi^2/\text{NDF}: 959.6/24$

Right Out: 112.596 ± 2.612 $\chi^2/\text{NDF}: 1329.3/38$

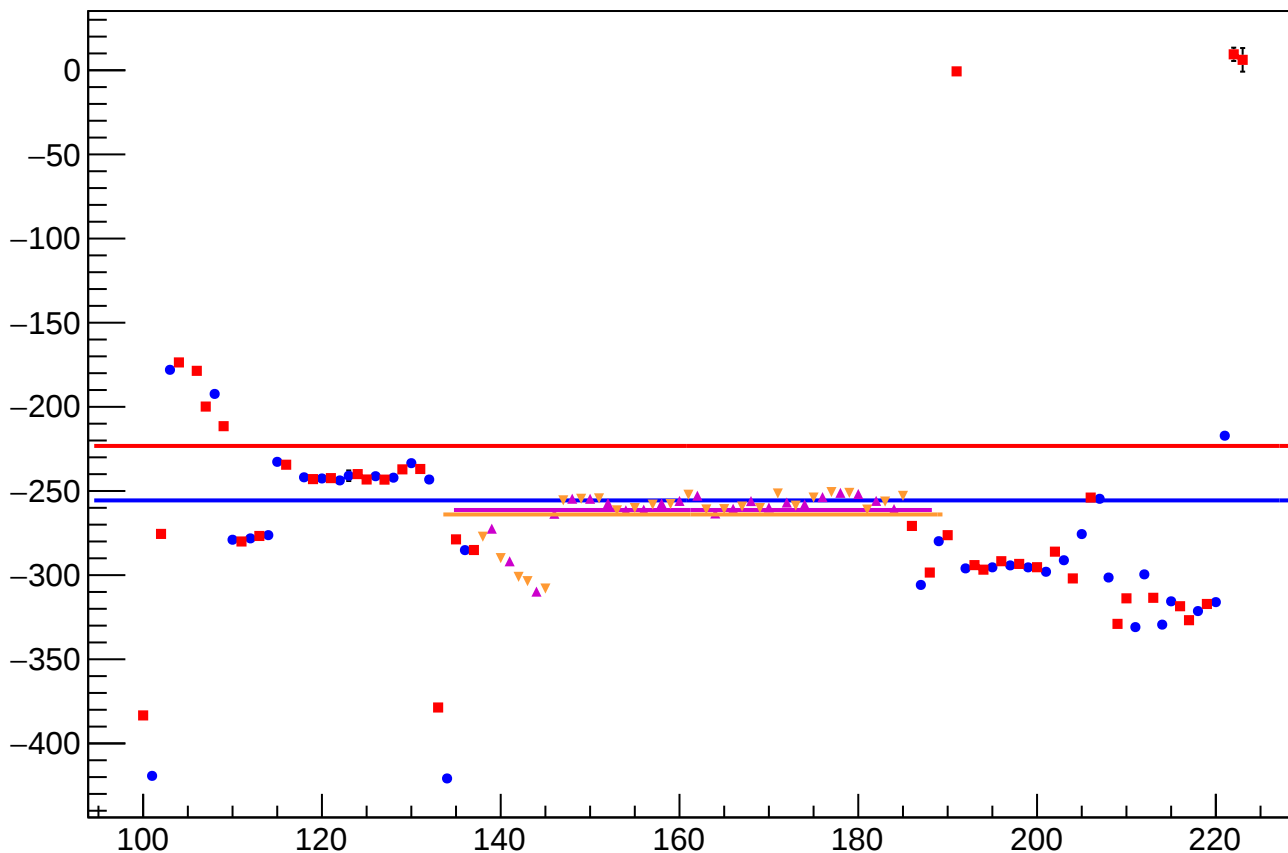
Left In: 141.360 ± 1.748 $\chi^2/\text{NDF}: 741.2/22$

+ sign 139.667 ± 1.458 $\chi^2/\text{NDF}: 2333.7/59$

All: 136.053 ± 1.029 $\chi^2/\text{NDF}: 4500.2/121$

- sign 132.465 ± 1.453 $\chi^2/\text{NDF}: 2154.3/61$

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -255.595 ± 0.133 $\chi^2/\text{NDF}: 210963.5/34$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

Right Out: -223.225 ± 0.120 $\chi^2/\text{NDF}: 525502.9/38$

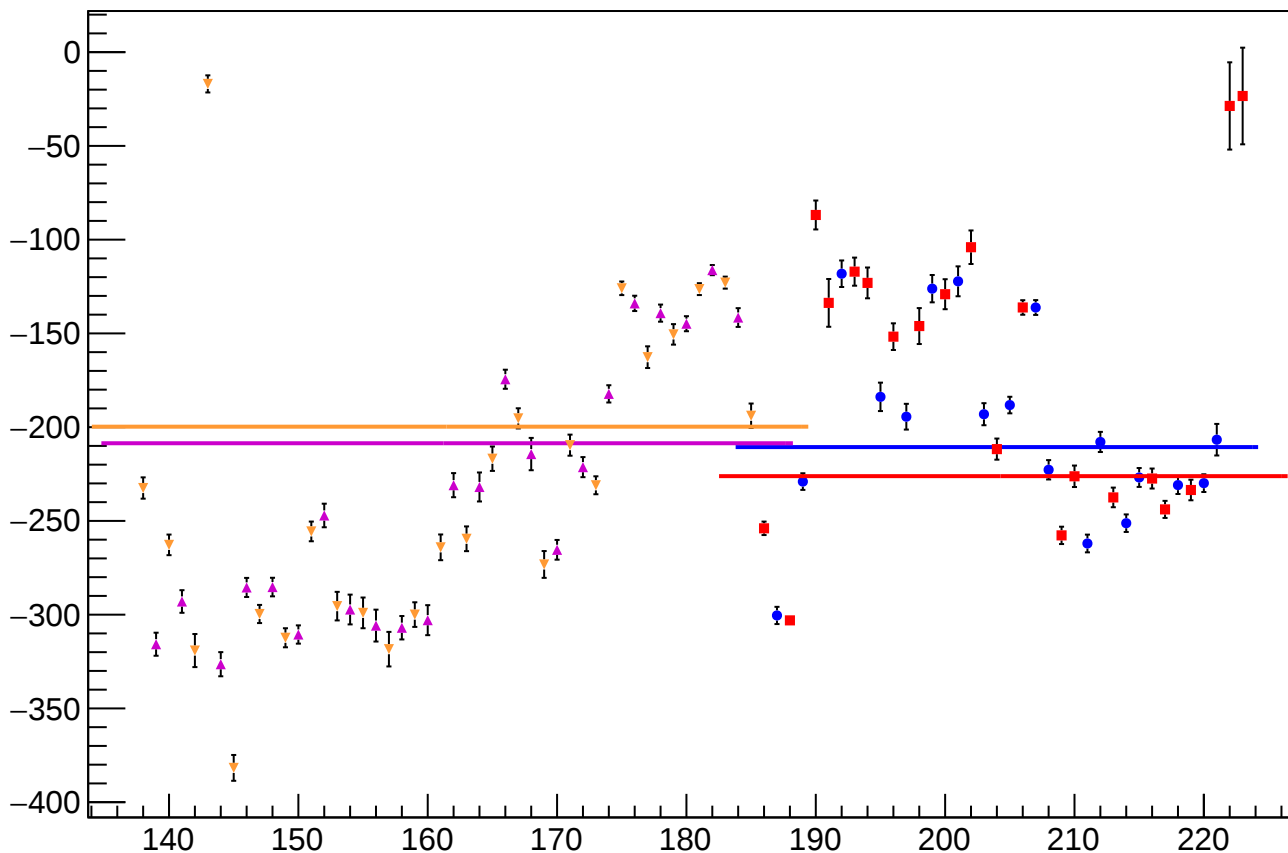
Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

+ sign -261.675 ± 0.069 $\chi^2/\text{NDF}: 252917.2/59$

All: -255.313 ± 0.048 $\chi^2/\text{NDF}: 886482.7/121$

- sign -249.236 ± 0.068 $\chi^2/\text{NDF}: 617104.7/61$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -210.628 $\pm$ 1.250 χ^2/NDF : 1478.4/17

Left Out: -199.741 $\pm$ 1.061 χ^2/NDF : 6361.5/24

Right Out: -226.126 $\pm$ 1.194 χ^2/NDF : 3121.7/19

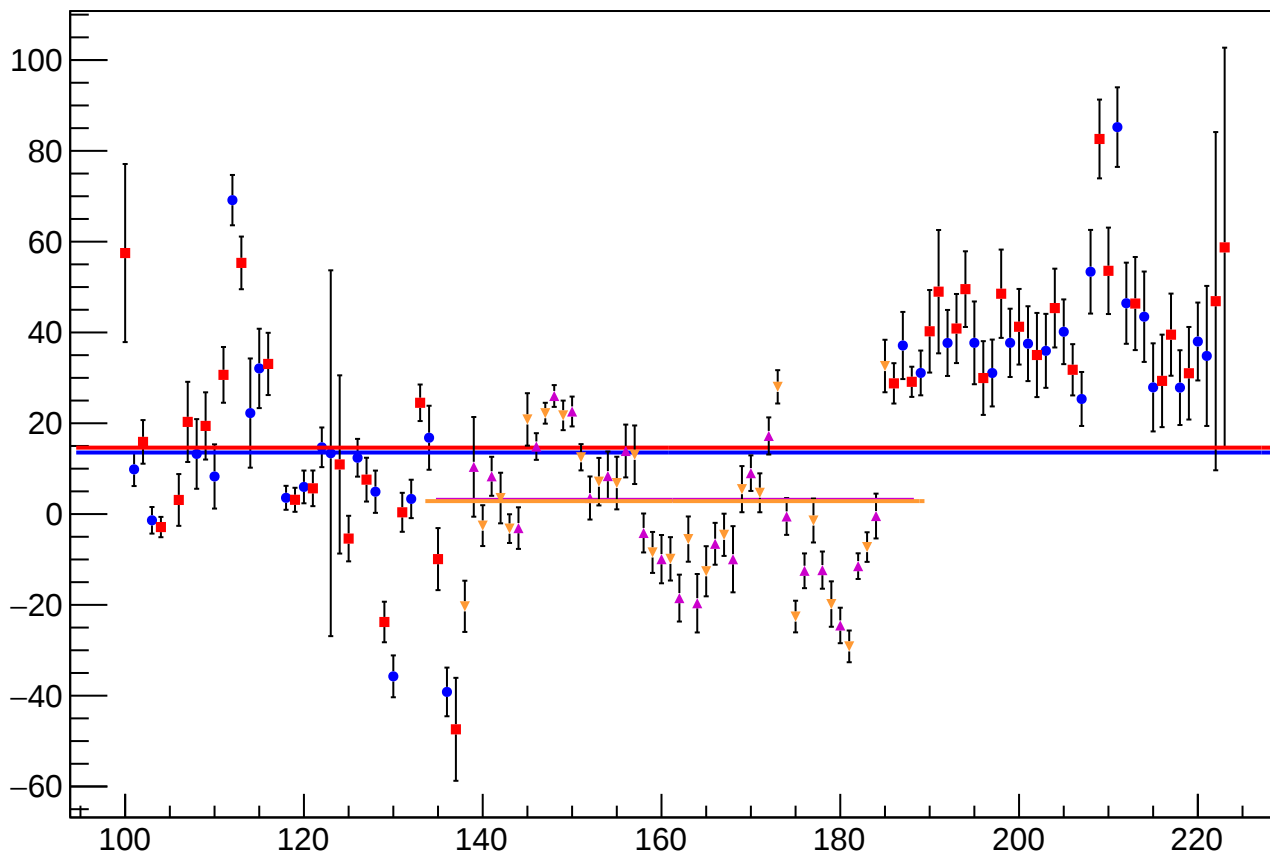
Left In: -208.579 $\pm$ 1.082 χ^2/NDF : 4805.1/22

+ sign -204.303 $\pm$ 0.809 χ^2/NDF : 7884.0/42

All: -210.453 $\pm$ 0.569 χ^2/NDF : 16044.0/85

- sign -216.496 $\pm$ 0.802 χ^2/NDF : 8045.4/42

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 13.555 ± 0.949 $\chi^2/\text{NDF}: 586.7/34$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 14.632 ± 0.903 $\chi^2/\text{NDF}: 537.4/38$

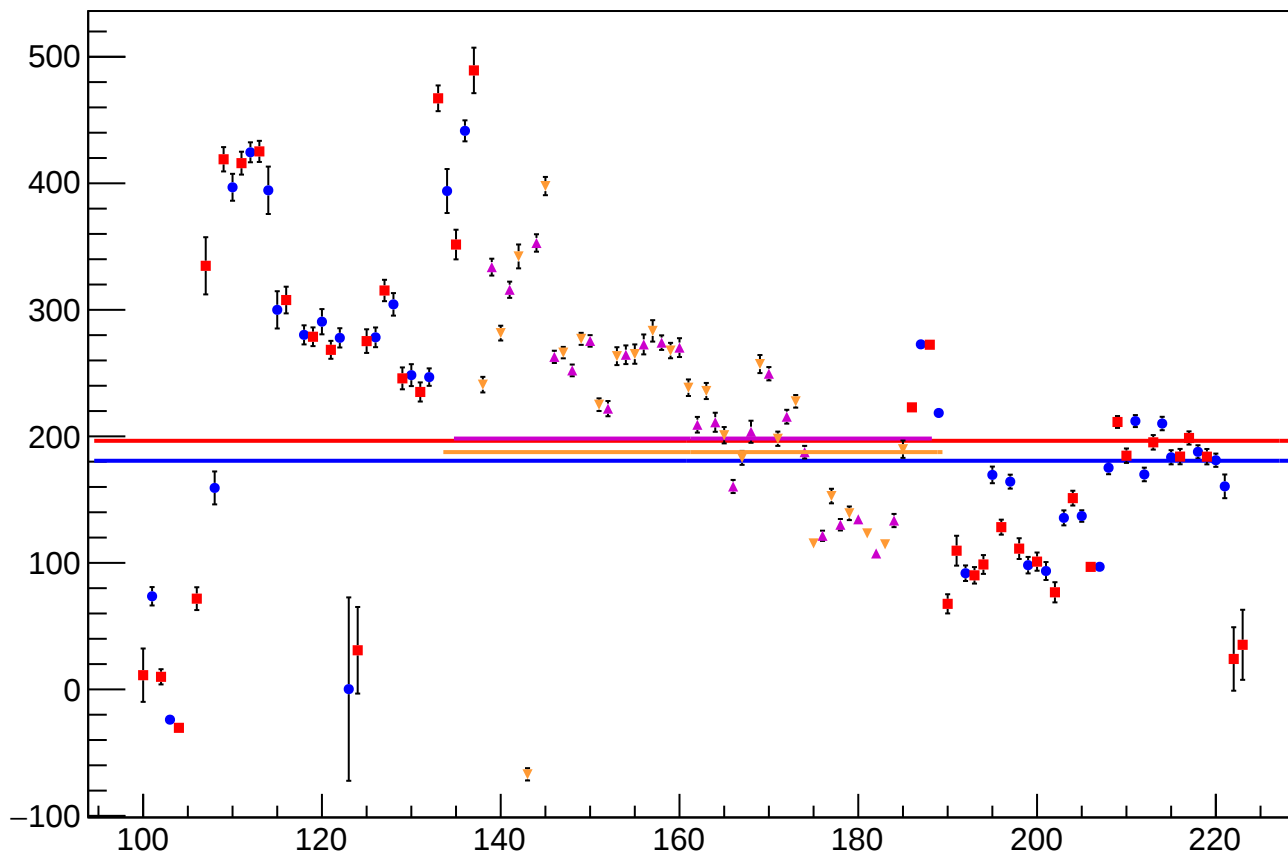
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 7.428 ± 0.620 $\chi^2/\text{NDF}: 1079.3/59$

All: 8.004 ± 0.439 $\chi^2/\text{NDF}: 2023.6/121$

- sign 8.582 ± 0.621 $\chi^2/\text{NDF}: 942.5/61$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 180.708 $\pm$ 1.033 χ^2 /NDF: 8776.6/34

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 196.486 $\pm$ 0.948 χ^2 /NDF: 12235.8/38

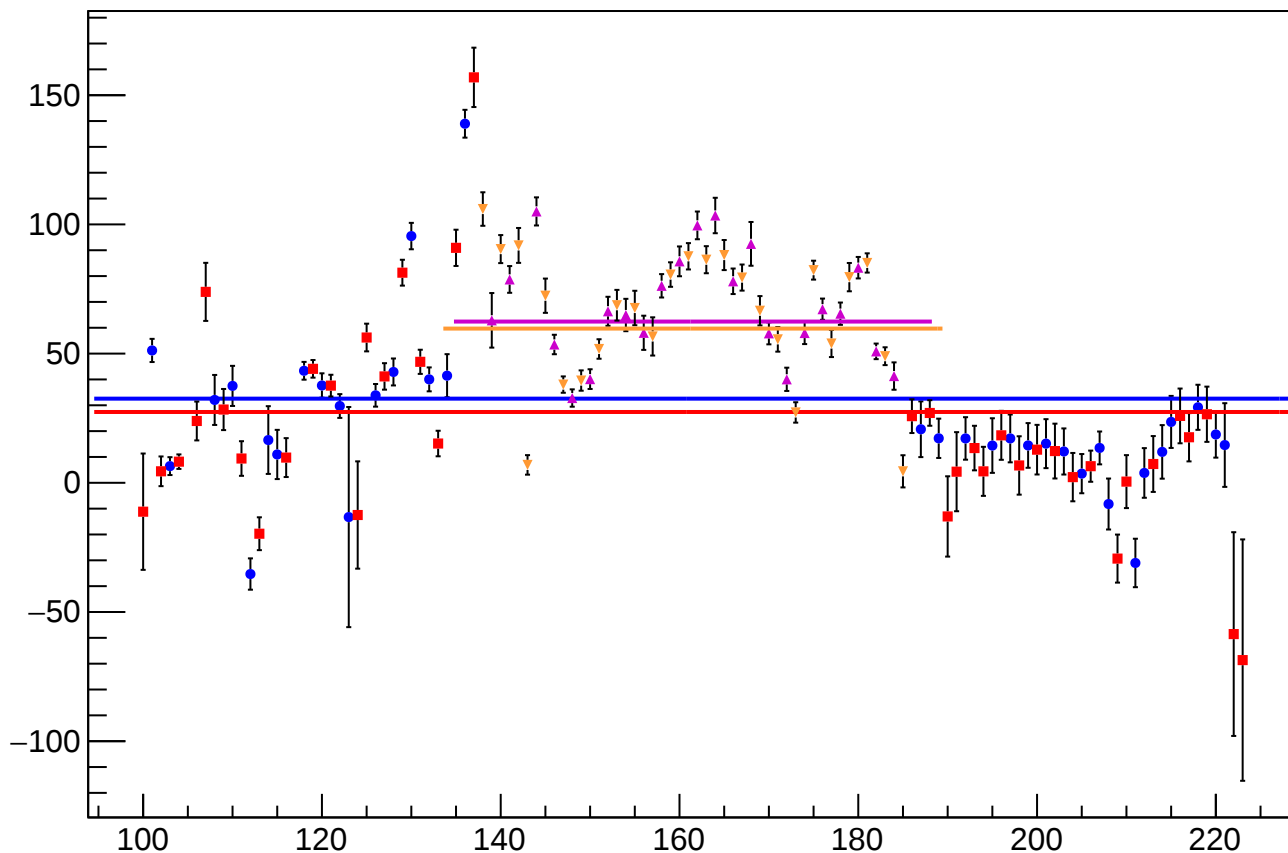
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 184.029 $\pm$ 0.742 χ^2 /NDF: 15880.0/59

All: 190.908 $\pm$ 0.514 χ^2 /NDF: 32798.5/121

- sign 197.260 $\pm$ 0.713 χ^2 /NDF: 16753.1/61

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 32.567 ± 1.100 $\chi^2/\text{NDF}: 901.0/34$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 27.406 ± 1.071 $\chi^2/\text{NDF}: 672.3/38$

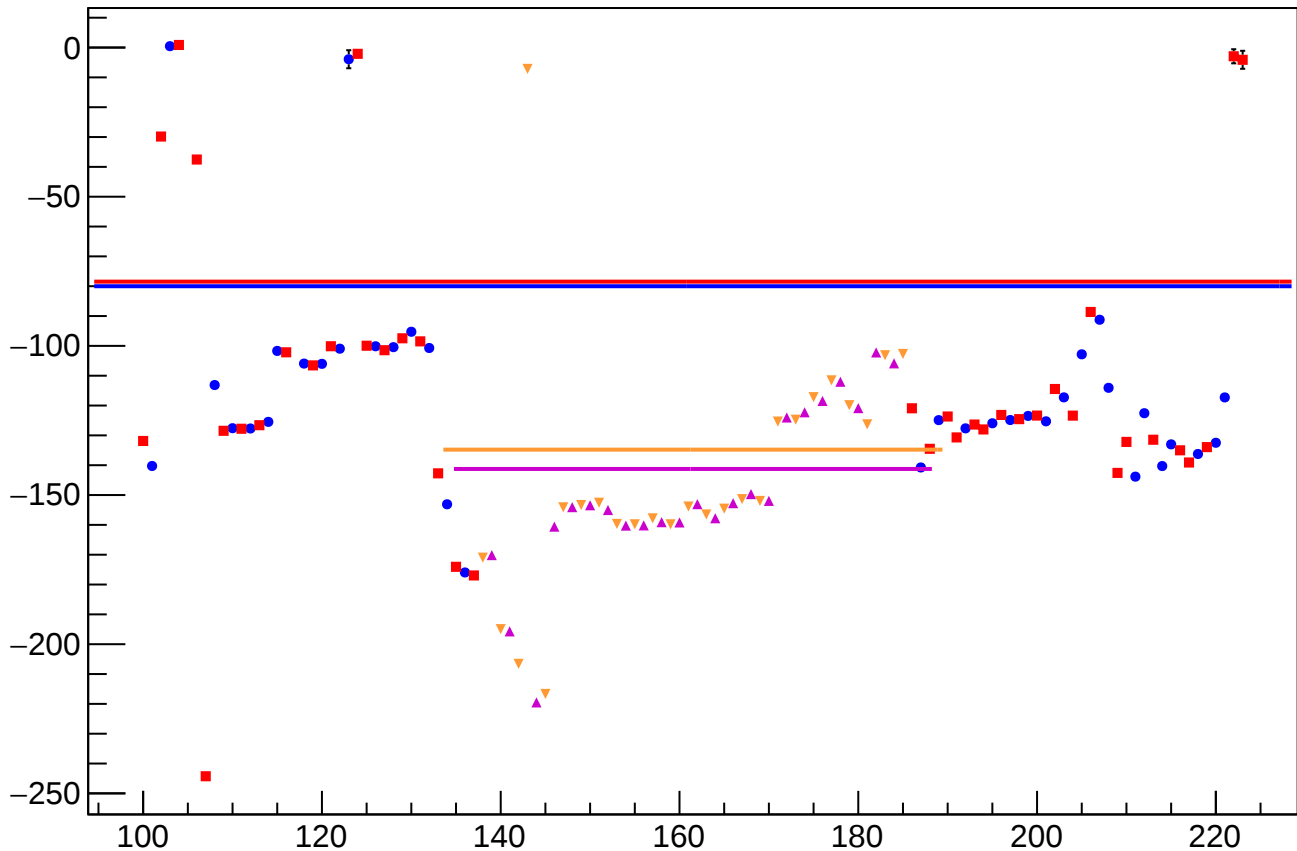
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 48.227 ± 0.715 $\chi^2/\text{NDF}: 2009.6/59$

All: 47.396 ± 0.507 $\chi^2/\text{NDF}: 3675.3/121$

- sign 46.551 ± 0.721 $\chi^2/\text{NDF}: 1663.0/61$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -80.008 ± 0.050 $\chi^2/\text{NDF}: 1493382.7/34$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -78.466 ± 0.049 $\chi^2/\text{NDF}: 1473542.8/38$

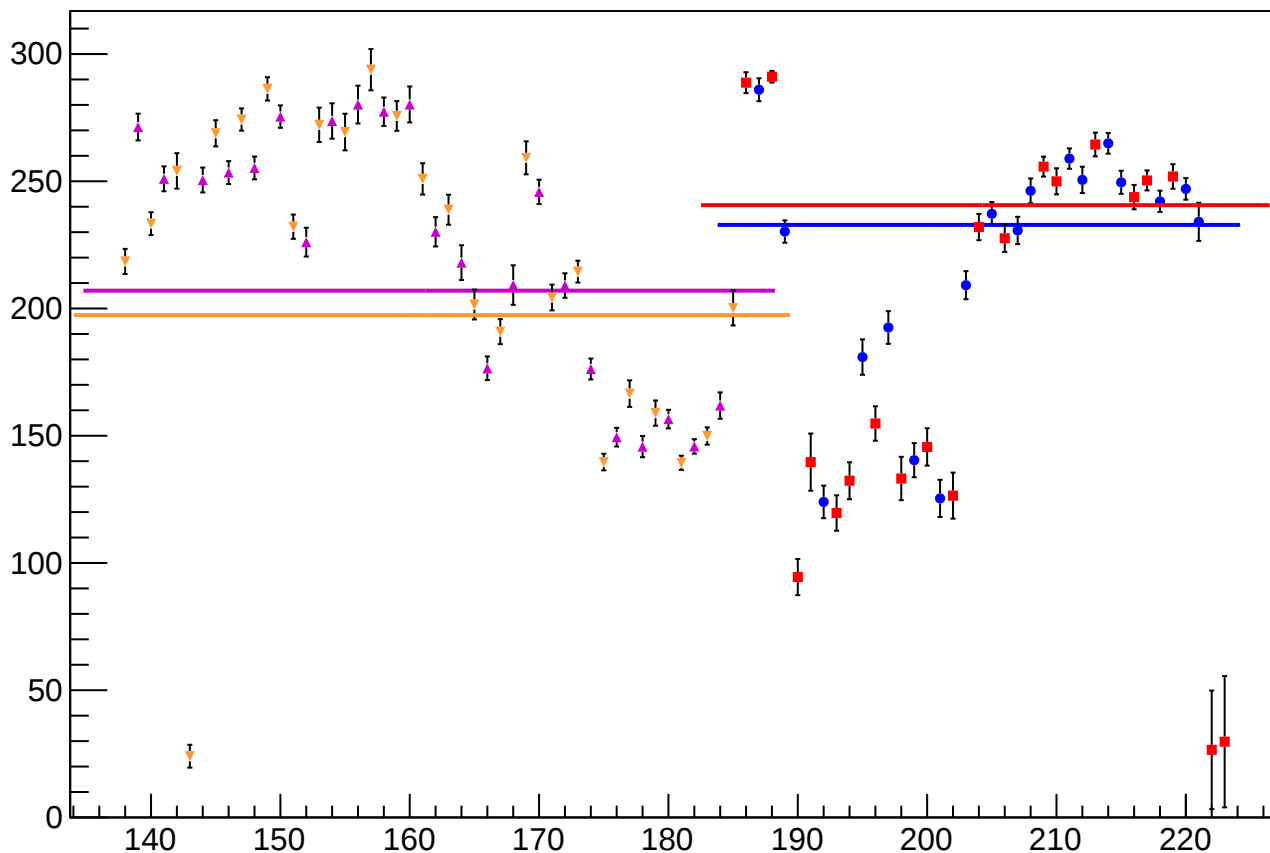
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -110.401 ± 0.033 $\chi^2/\text{NDF}: 2972340.7/59$

All: -111.211 ± 0.023 $\chi^2/\text{NDF}: 5689209.8/12$

- sign -112.020 ± 0.033 $\chi^2/\text{NDF}: 2715676.2/61$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 232.857 $\pm$ 1.189 χ^2 /NDF: 1105.0/17

Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF: 4384.2/24

Right Out: 240.617 $\pm$ 1.145 χ^2 /NDF: 2521.0/19

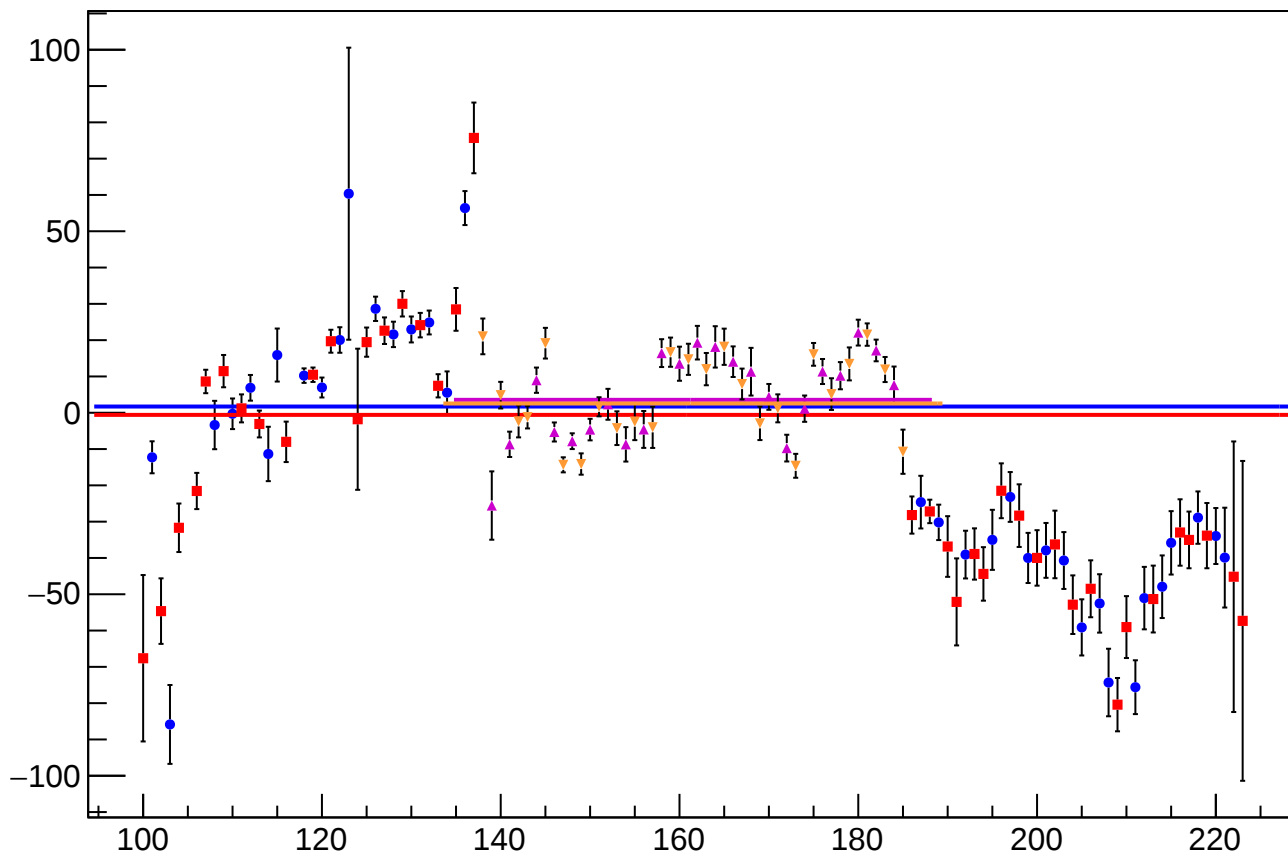
Left In: 207.014 $\pm$ 0.990 χ^2 /NDF: 2611.5/22

+ sign 211.455 $\pm$ 0.748 χ^2 /NDF: 6026.3/42

All: 216.416 $\pm$ 0.529 χ^2 /NDF: 11739.4/85

- sign 221.388 $\pm$ 0.749 χ^2 /NDF: 5625.1/42

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 1.716 ± 0.829 χ^2/NDF : 1095.9/34

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: -0.587 ± 0.799 χ^2/NDF : 1042.8/38

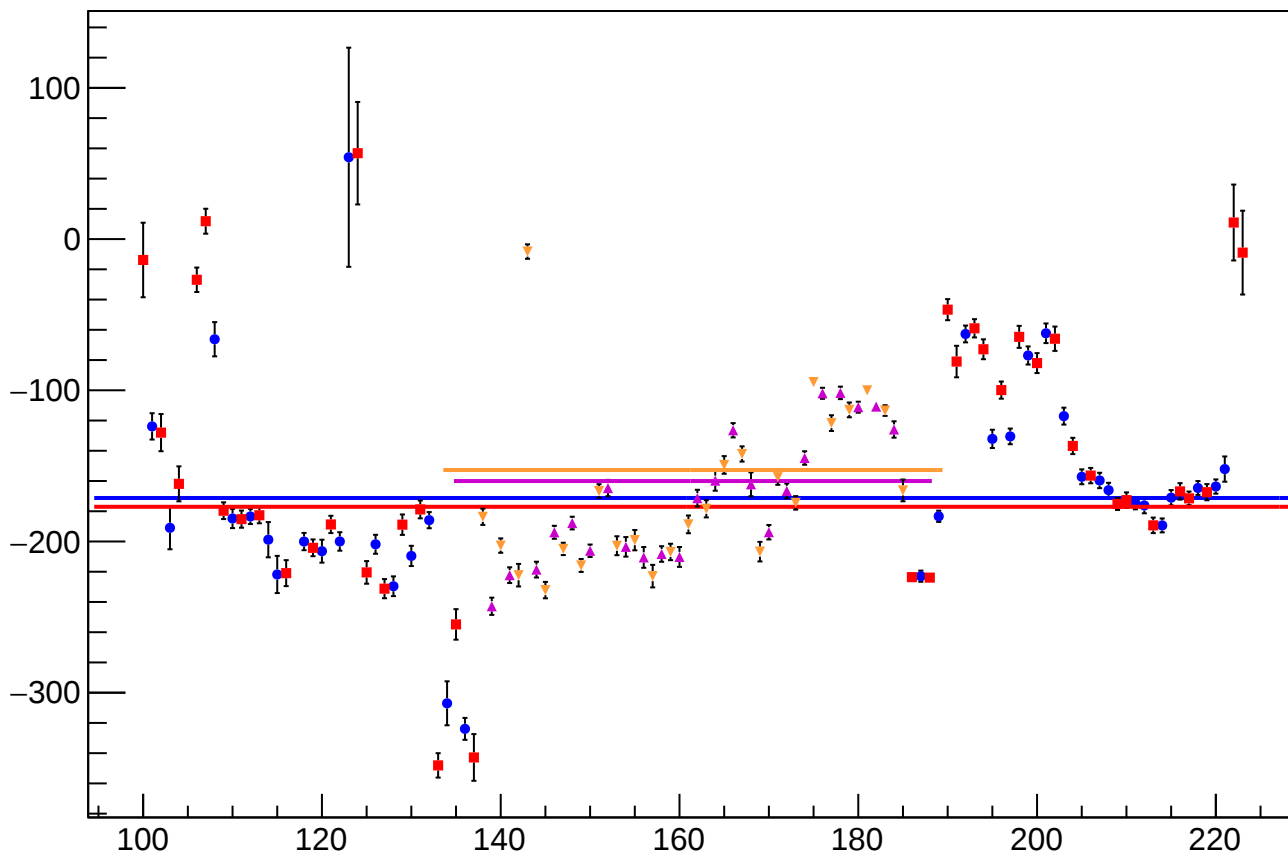
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 2.178 ± 0.552 χ^2/NDF : 1371.9/59

All: 1.867 ± 0.392 χ^2/NDF : 2621.2/121

- sign 1.552 ± 0.556 χ^2/NDF : 1248.7/61

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -171.223+/-0.976 χ^2/NDF : 2259.1/34

Left Out: -152.738+/-0.967 χ^2/NDF :3077.8/24

Right Out: -177.051+/-0.899 χ^2/NDF : 4687.9/38

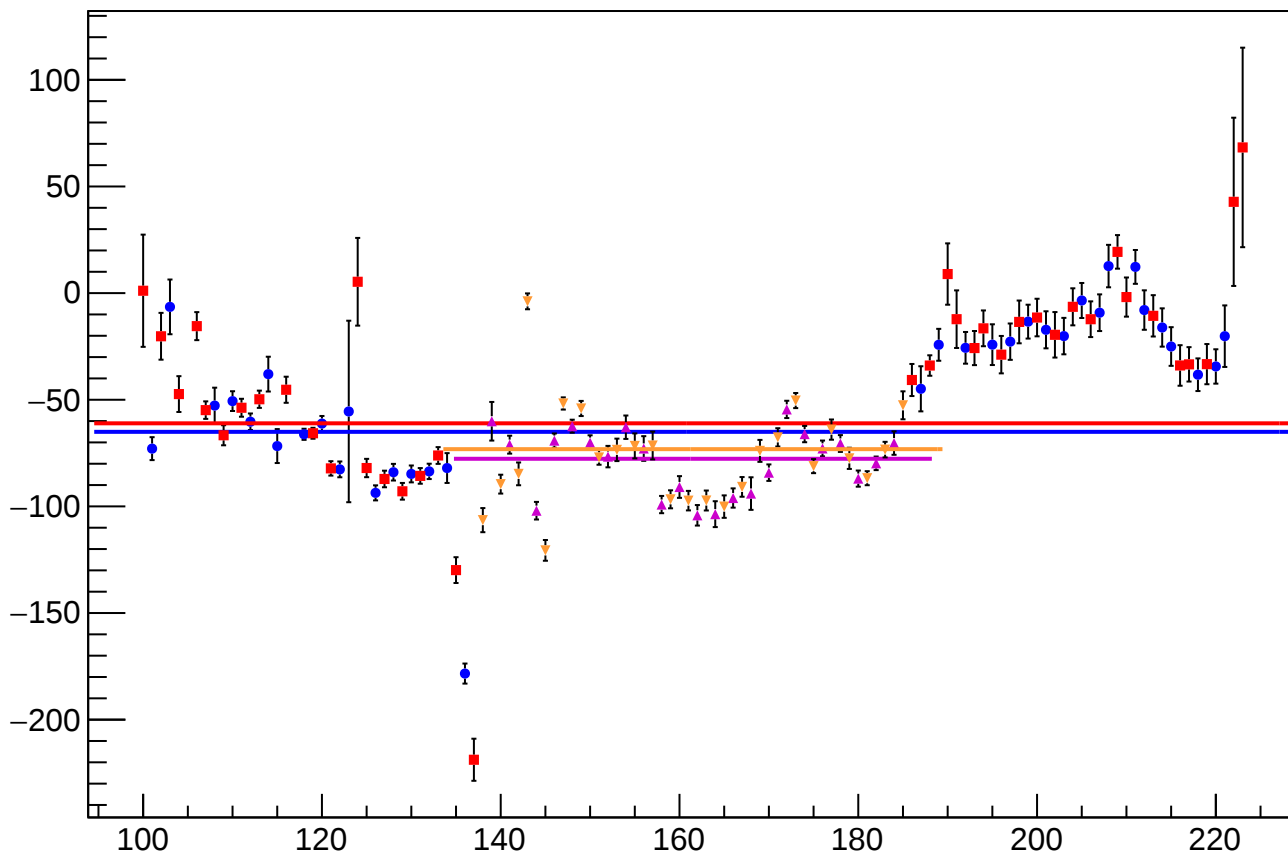
Left In: -160.021+/-0.989 χ^2/NDF :2024.4/22

+ sign -161.893+/-0.687 χ^2/NDF : 5517.9/59

All: -165.736+/-0.478 χ^2/NDF : 12453.1/121

- sign -169.340+/-0.665 χ^2/NDF : 6874.6/61

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -65.046 ± 0.957 $\chi^2/\text{NDF}: 1383.1/34$

Left Out: -73.165 ± 0.851 $\chi^2/\text{NDF}: 788.6/24$

Right Out: -61.050 ± 0.932 $\chi^2/\text{NDF}: 1220.1/38$

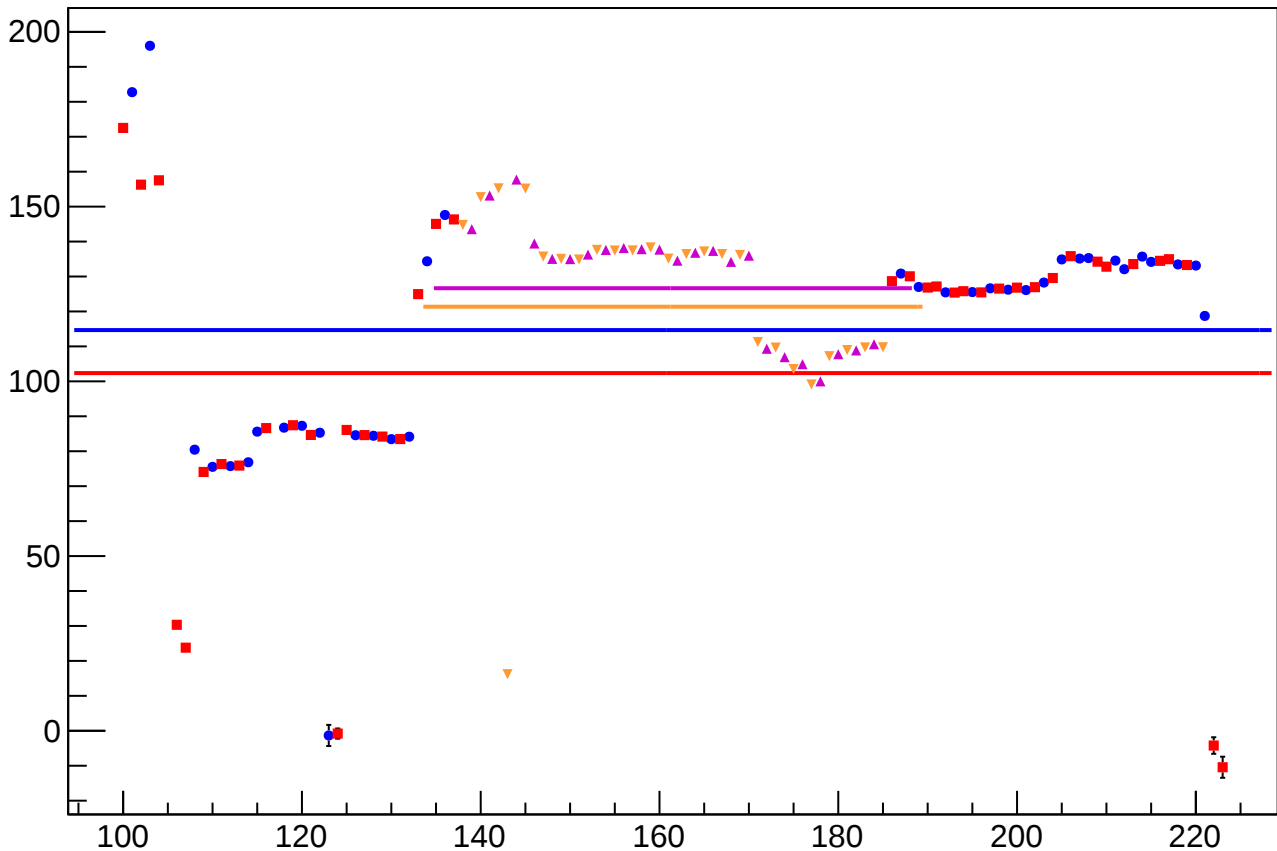
Left In: -77.678 ± 0.883 $\chi^2/\text{NDF}: 248.3/22$

+ sign -69.579 ± 0.636 $\chi^2/\text{NDF}: 2211.8/59$

All: -69.695 ± 0.451 $\chi^2/\text{NDF}: 3848.1/121$

- sign -69.813 ± 0.641 $\chi^2/\text{NDF}: 1636.2/61$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 114.670 ± 0.053 χ^2/NDF : 331574.8/34

Left Out: 121.356 ± 0.040 χ^2/NDF : 481977.3/24

Right Out: 102.363 ± 0.049 χ^2/NDF : 614386.0/38

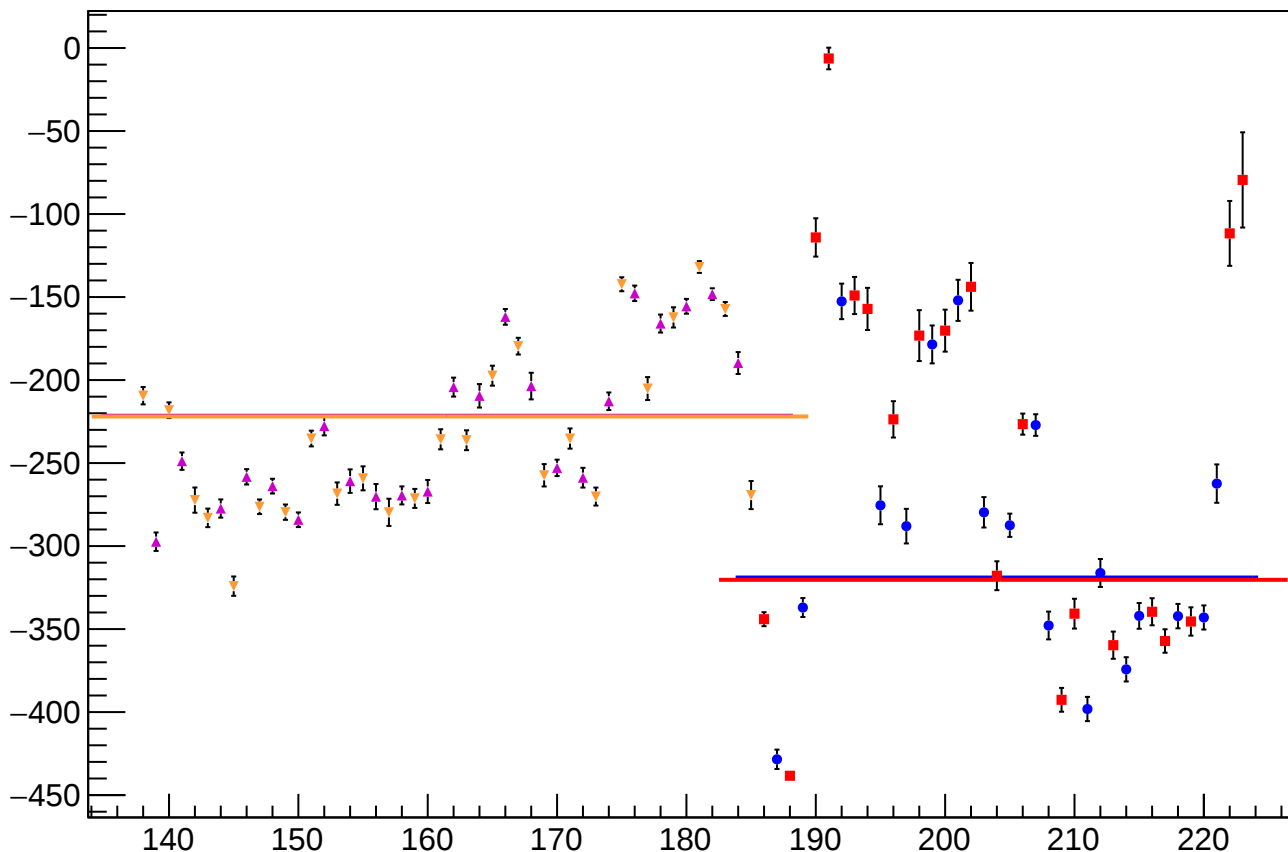
Left In: 126.653 ± 0.041 χ^2/NDF : 163046.1/22

+ sign 118.924 ± 0.032 χ^2/NDF : 823560.0/59

All: 117.817 ± 0.023 χ^2/NDF : 1745921.0/123

- sign 116.748 ± 0.032 χ^2/NDF : 920030.6/61

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -318.945 ± 1.878 $\chi^2/\text{NDF}: 1439.1/17$

Left Out: -221.934 ± 1.084 $\chi^2/\text{NDF}: 2578.4/24$

Right Out: -320.320 ± 1.641 $\chi^2/\text{NDF}: 5618.6/19$

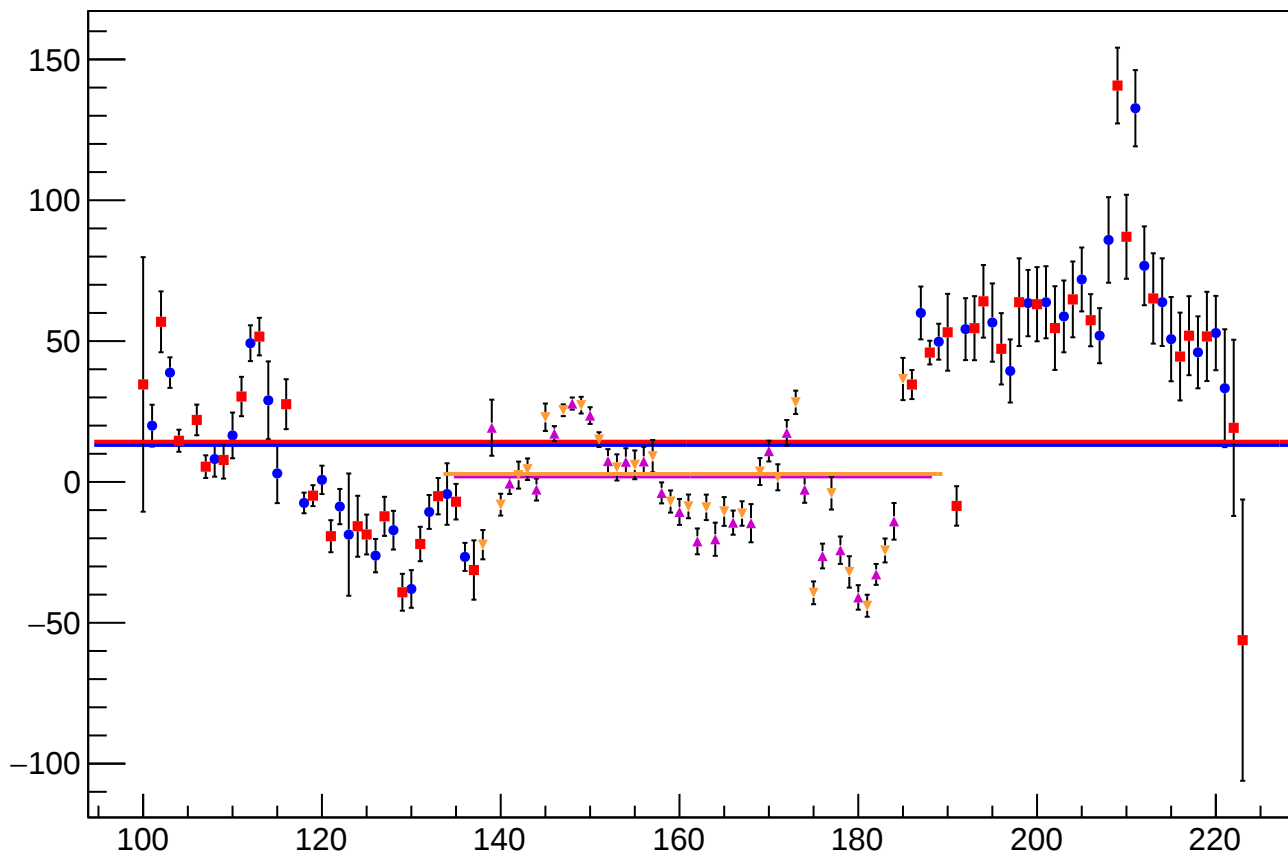
Left In: -221.483 ± 1.102 $\chi^2/\text{NDF}: 2149.8/22$

+ sign -246.186 ± 0.939 $\chi^2/\text{NDF}: 6018.1/42$

All: -249.278 ± 0.655 $\chi^2/\text{NDF}: 16307.7/85$

- sign -252.214 ± 0.915 $\chi^2/\text{NDF}: 10268.5/42$

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 13.153 $\pm$ 1.343 χ^2 /NDF: 646.3/34

Left Out: 2.832 $\pm$ 0.807 χ^2 /NDF: 686.9/24

Right Out: 14.283 $\pm$ 1.188 χ^2 /NDF: 641.4/38

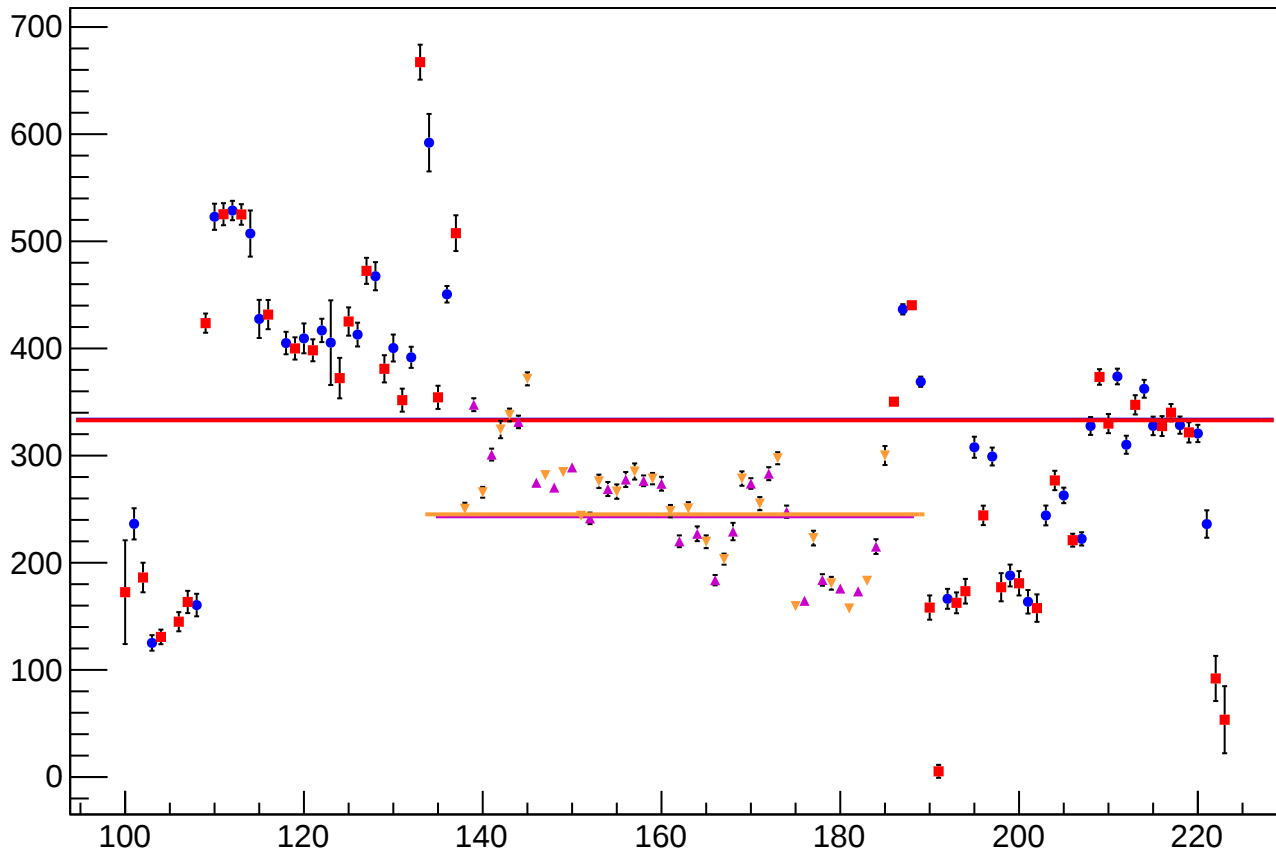
Left In: 1.969 $\pm$ 0.835 χ^2 /NDF: 589.1/22

+ sign 5.571 $\pm$ 0.692 χ^2 /NDF: 1376.7/59

All: 5.809 $\pm$ 0.486 χ^2 /NDF: 2679.4/121

- sign 6.041 $\pm$ 0.683 χ^2 /NDF: 1302.5/61

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 333.524 ± 1.508 $\chi^2/\text{NDF}: 4548.2/34$

Left Out: 245.179 ± 1.082 $\chi^2/\text{NDF}: 2597.4/24$

Right Out: 332.964 ± 1.271 $\chi^2/\text{NDF}: 10314.0/38$

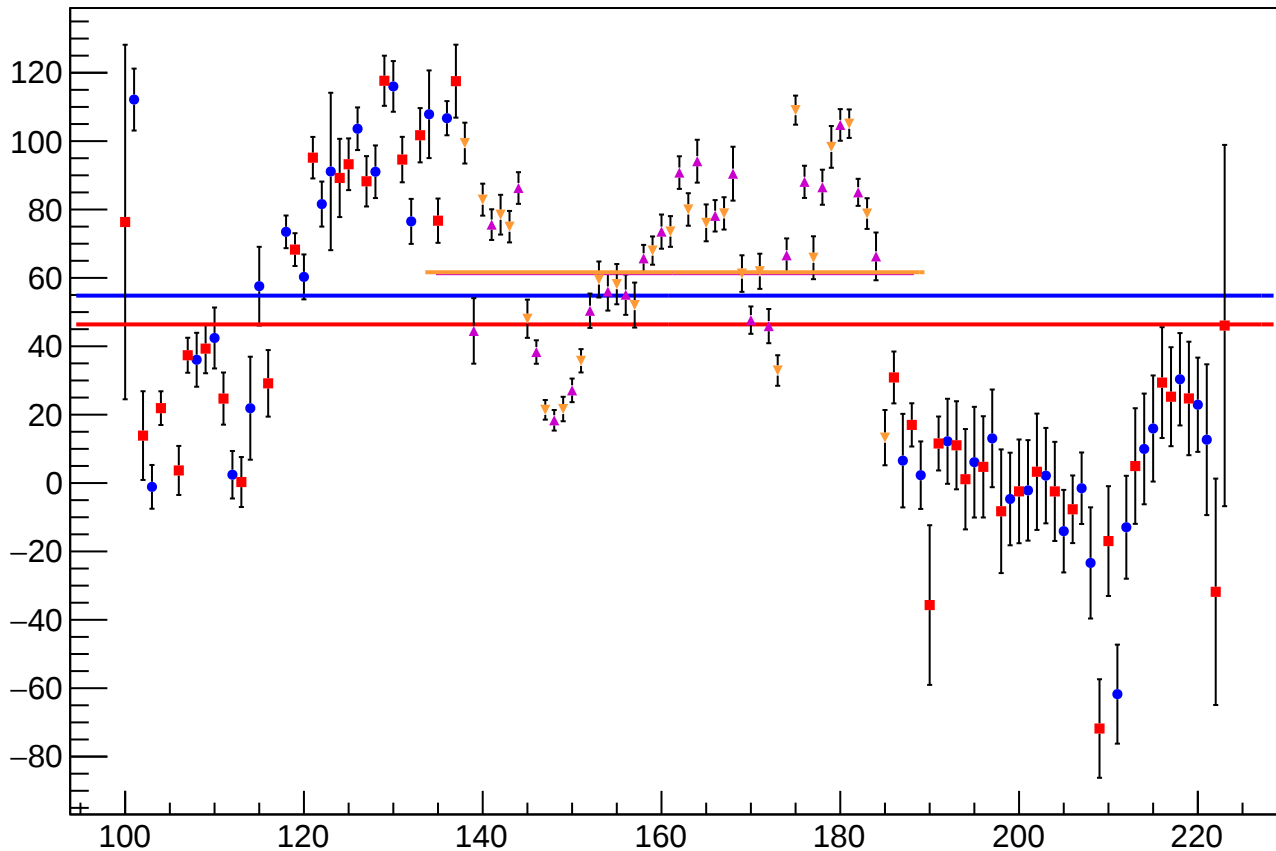
Left In: 243.366 ± 1.094 $\chi^2/\text{NDF}: 2236.7/22$

+ sign 275.215 ± 0.879 $\chi^2/\text{NDF}: 9412.1/59$

All: 278.530 ± 0.603 $\chi^2/\text{NDF}: 24844.7/121$

- sign 281.477 ± 0.829 $\chi^2/\text{NDF}: 15405.7/61$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 54.816 ± 1.551 $\chi^2/\text{NDF}: 822.6/34$

Left Out: 61.647 ± 0.936 $\chi^2/\text{NDF}: 871.5/24$

Right Out: 46.398 ± 1.412 $\chi^2/\text{NDF}: 803.0/38$

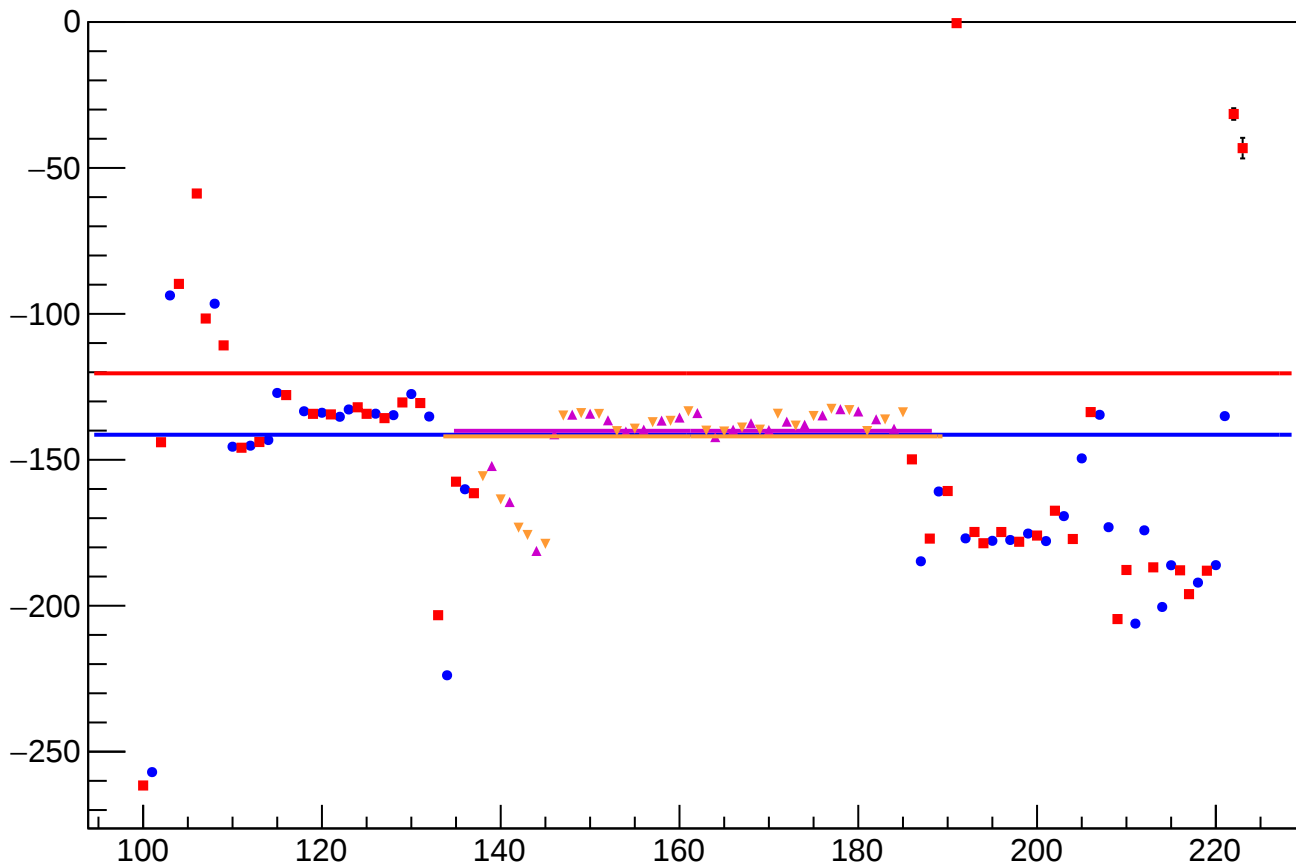
Left In: 61.375 ± 0.961 $\chi^2/\text{NDF}: 699.7/22$

+ sign 59.823 ± 0.802 $\chi^2/\text{NDF}: 1708.4/59$

All: 58.213 ± 0.564 $\chi^2/\text{NDF}: 3296.0/121$

- sign 56.632 ± 0.794 $\chi^2/\text{NDF}: 1579.6/61$

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -141.413 ± 0.074 $\chi^2/\text{NDF}: 263501.7/34$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -120.370 ± 0.066 $\chi^2/\text{NDF}: 660951.9/38$

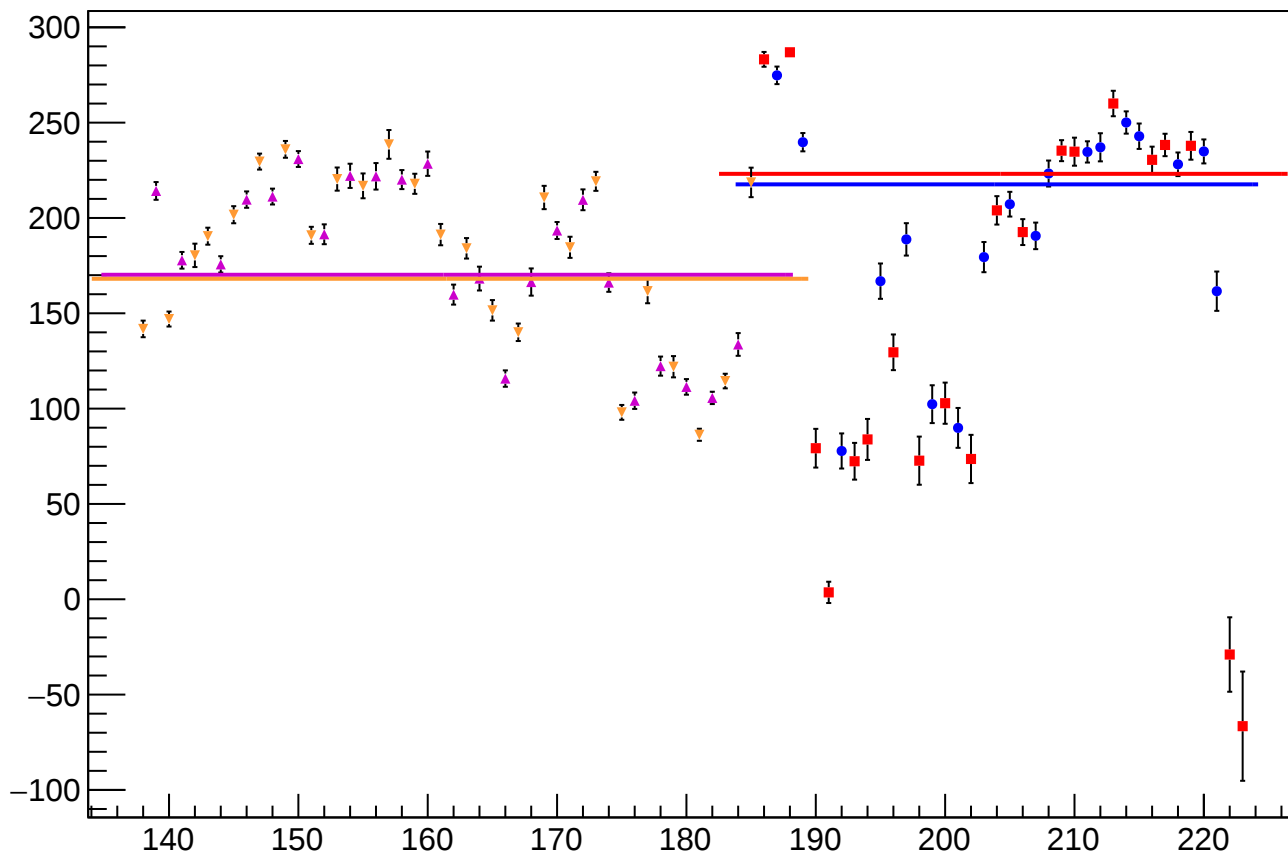
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -141.820 ± 0.038 $\chi^2/\text{NDF}: 343795.8/59$

All: -137.712 ± 0.027 $\chi^2/\text{NDF}: 1135969.3/12$

- sign -133.825 ± 0.037 $\chi^2/\text{NDF}: 769706.8/61$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 217.626 ± 1.597 $\chi^2/\text{NDF}: 875.0/17$

Left Out: 168.106 ± 0.970 $\chi^2/\text{NDF}: 2468.8/24$

Right Out: 223.142 ± 1.389 $\chi^2/\text{NDF}: 3949.2/19$

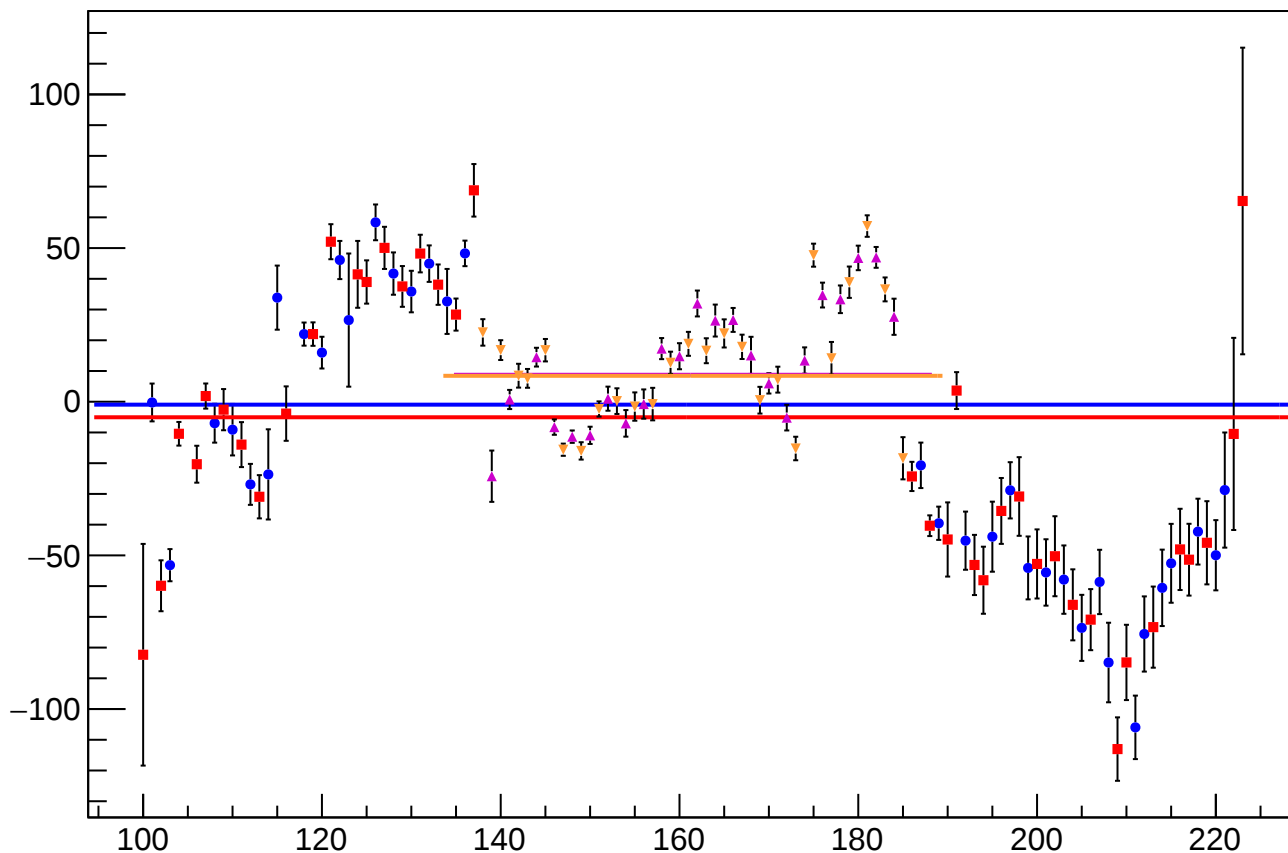
Left In: 170.198 ± 0.995 $\chi^2/\text{NDF}: 2024.5/22$

+ sign 181.460 ± 0.829 $\chi^2/\text{NDF}: 4046.3/42$

All: 184.892 ± 0.579 $\chi^2/\text{NDF}: 11013.3/85$

- sign 188.160 ± 0.809 $\chi^2/\text{NDF}: 6933.6/42$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -0.953 ± 1.266 χ^2/NDF : 1134.7/34

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: -5.057 ± 1.125 χ^2/NDF : 1140.1/38

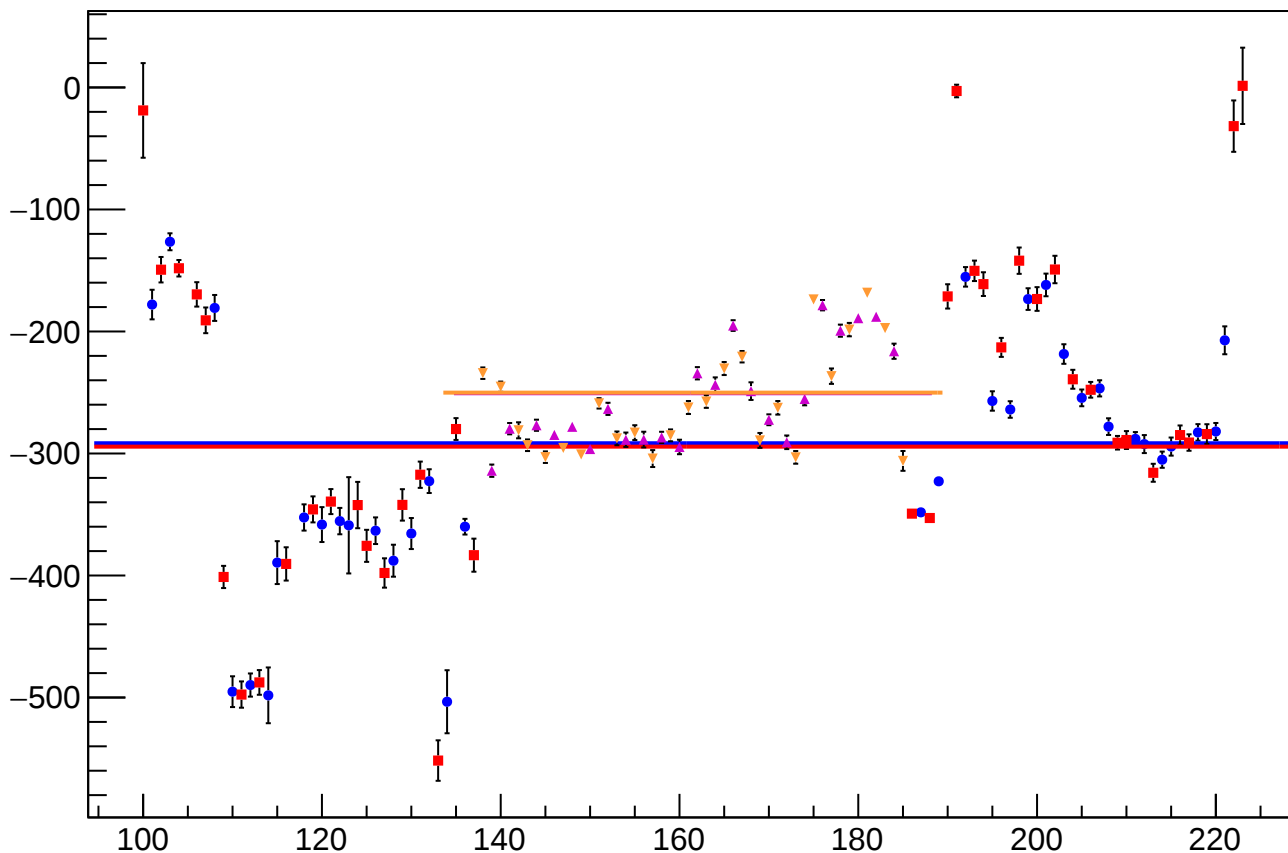
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 6.104 ± 0.631 χ^2/NDF : 1928.0/59

All: 5.273 ± 0.445 χ^2/NDF : 3802.3/121

- sign 4.449 ± 0.629 χ^2/NDF : 1870.8/61

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -291.599 ± 1.323 χ^2/NDF : 3195.3/34

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -294.391 ± 1.111 χ^2/NDF : 8369.3/38

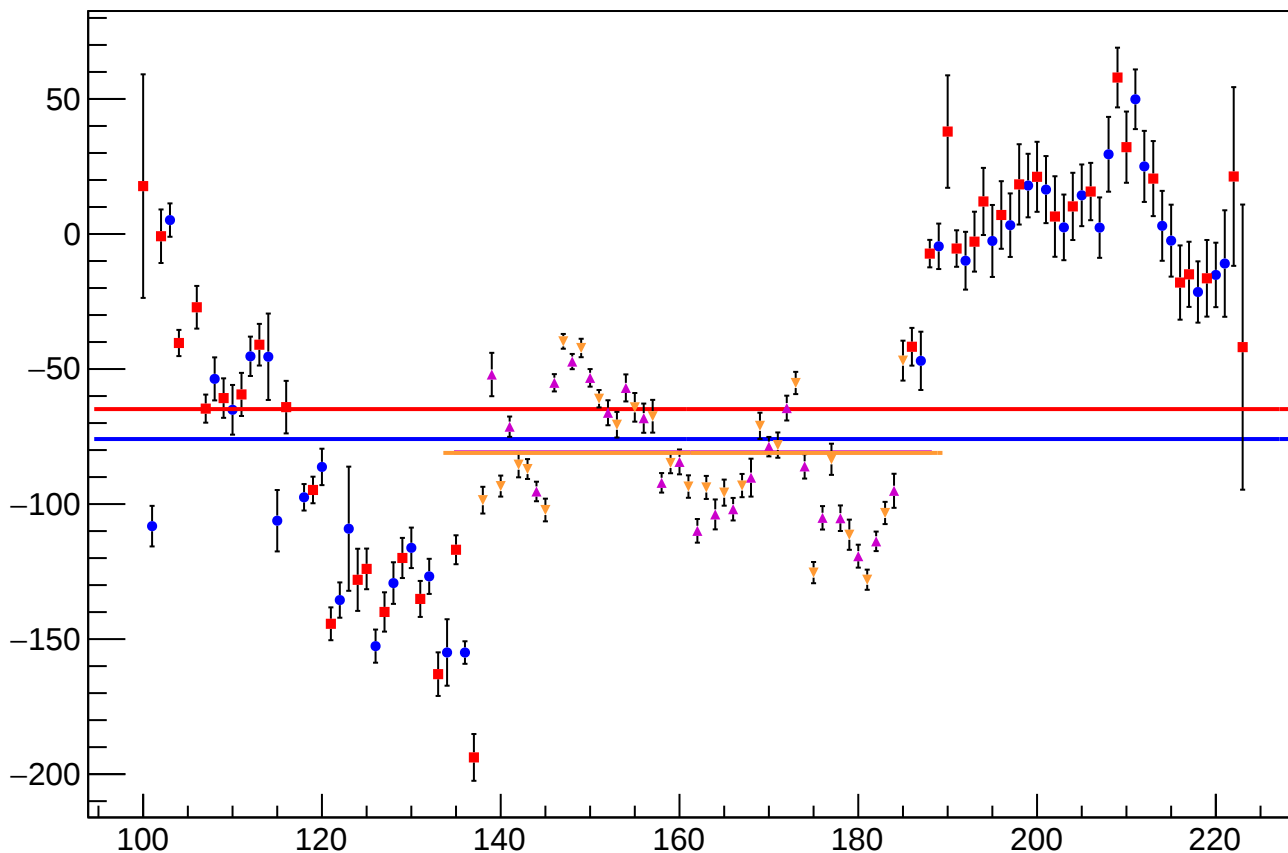
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -264.672 ± 0.783 χ^2/NDF : 6080.7/59

All: -267.496 ± 0.538 χ^2/NDF : 17276.6/121

- sign -270.011 ± 0.739 χ^2/NDF : 11171.3/61

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -75.922 ± 1.461 $\chi^2/\text{NDF}: 1868.1/34$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -64.833 ± 1.340 $\chi^2/\text{NDF}: 1938.8/38$

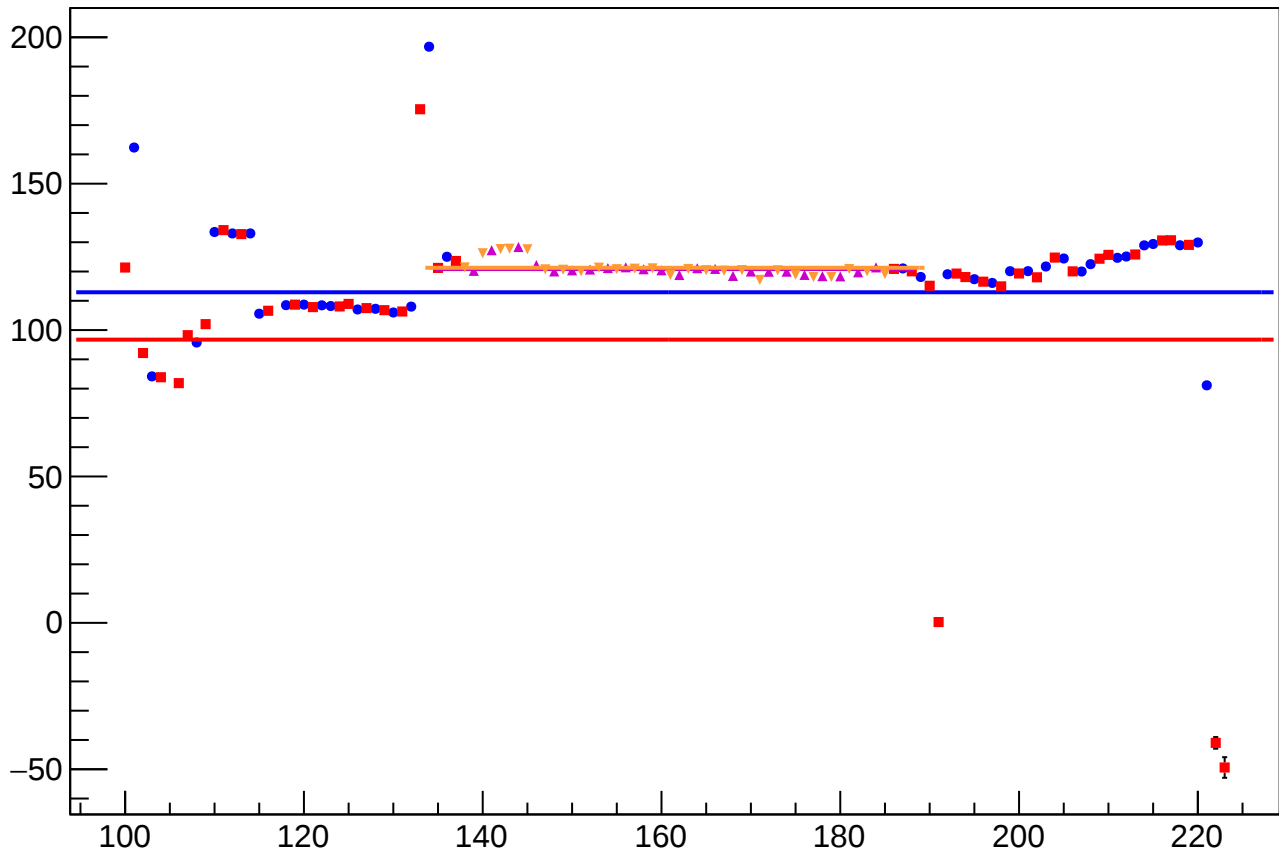
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -79.775 ± 0.730 $\chi^2/\text{NDF}: 2790.4/59$

All: -77.927 ± 0.517 $\chi^2/\text{NDF}: 5535.3/121$

- sign -76.076 ± 0.731 $\chi^2/\text{NDF}: 2732.1/61$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 112.912 $\pm$ 0.068 χ^2 /NDF: 82994.9/34

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 96.733 $\pm$ 0.061 χ^2 /NDF: 382992.9/38

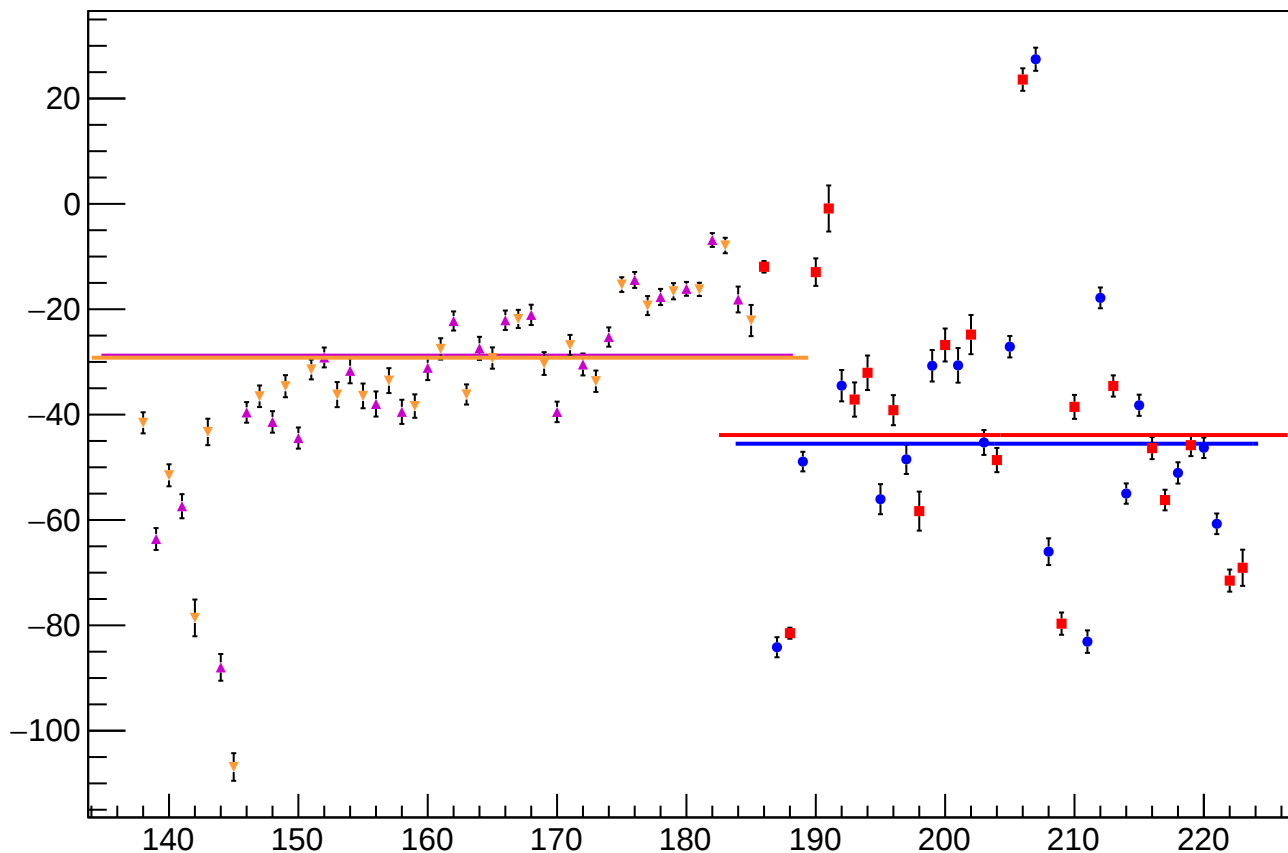
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 119.122 $\pm$ 0.035 χ^2 /NDF: 99182.1/59

All: 116.197 $\pm$ 0.024 χ^2 /NDF: 608088.4/121

- sign 113.392 $\pm$ 0.034 χ^2 /NDF: 494855.4/61

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -45.525 ± 0.521 χ^2/NDF : 2349.7/17

Left Out: -29.199 ± 0.389 χ^2/NDF : 1881.5/24

Right Out: -43.877 ± 0.466 χ^2/NDF : 4043.8/19

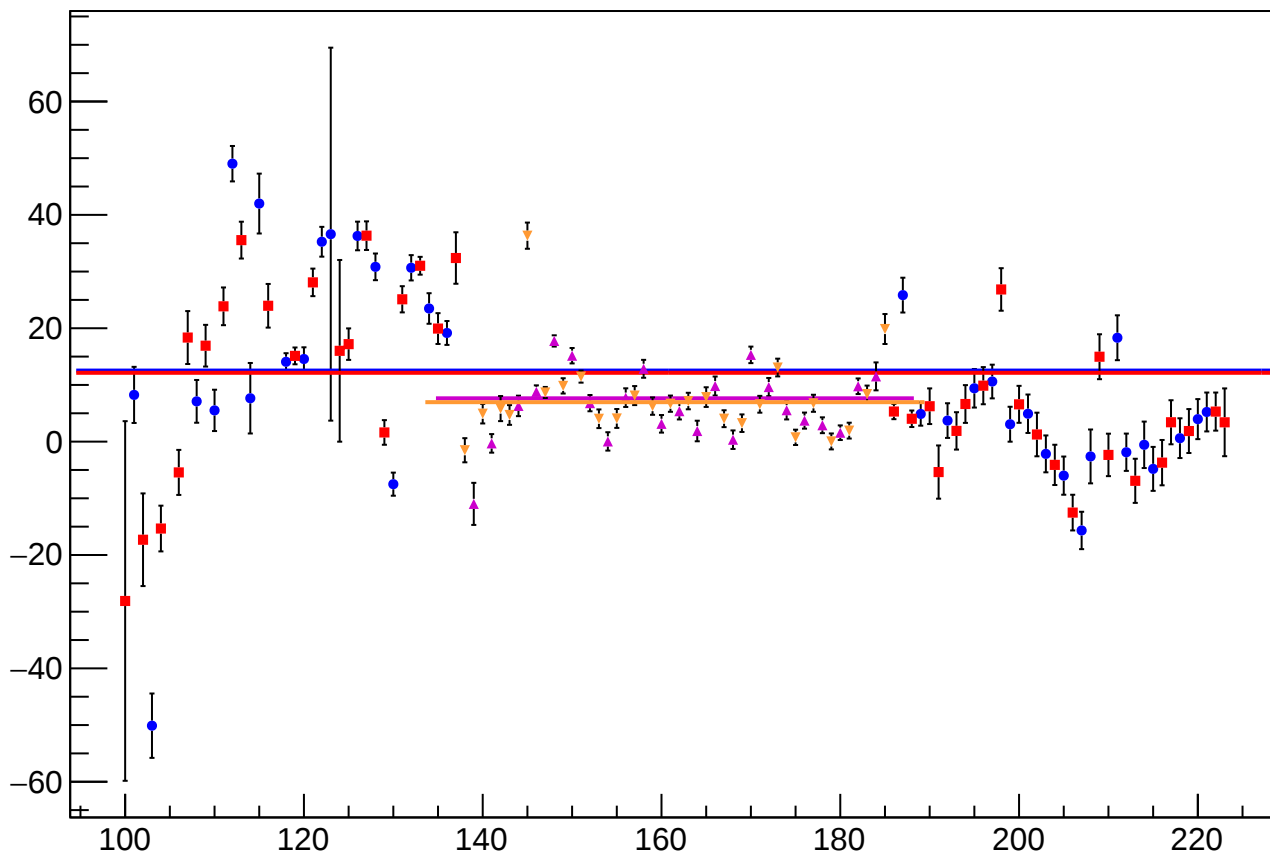
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -35.031 ± 0.312 χ^2/NDF : 4861.8/42

All: -35.073 ± 0.217 χ^2/NDF : 11277.0/85

- sign -35.112 ± 0.302 χ^2/NDF : 6415.2/42

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.533 ± 0.498 $\chi^2/\text{NDF}: 975.8/34$

Left Out: 6.960 ± 0.303 $\chi^2/\text{NDF}: 321.3/24$

Right Out: 12.143 ± 0.457 $\chi^2/\text{NDF}: 796.8/38$

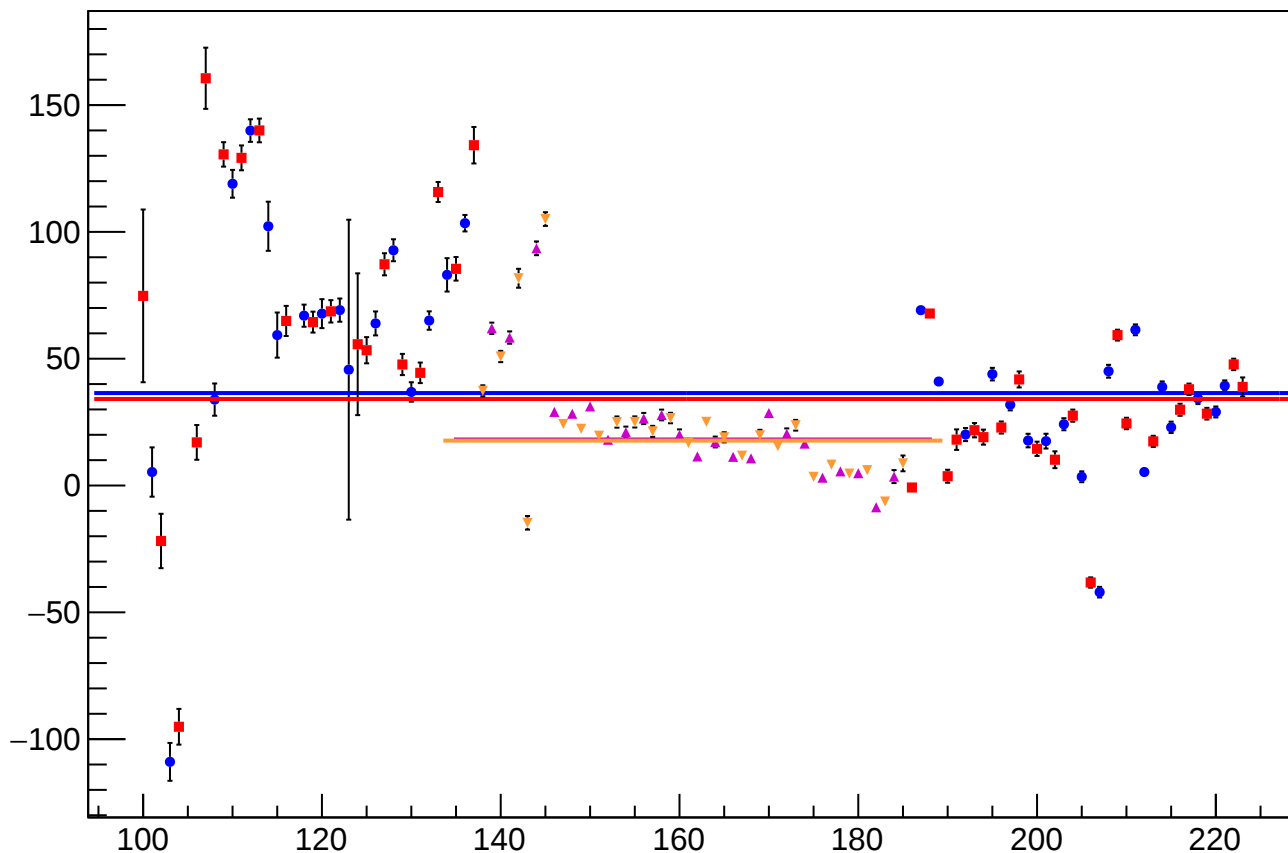
Left In: 7.638 ± 0.313 $\chi^2/\text{NDF}: 337.7/22$

+ sign 8.463 ± 0.259 $\chi^2/\text{NDF}: 1388.4/59$

All: 8.772 ± 0.183 $\chi^2/\text{NDF}: 2591.8/121$

- sign 9.080 ± 0.259 $\chi^2/\text{NDF}: 1200.6/61$

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 36.458 ± 0.470 χ^2/NDF : 4789.5/34

Left Out: 17.705 ± 0.387 χ^2/NDF : 2432.2/24

Right Out: 34.101 ± 0.402 χ^2/NDF : 7876.5/38

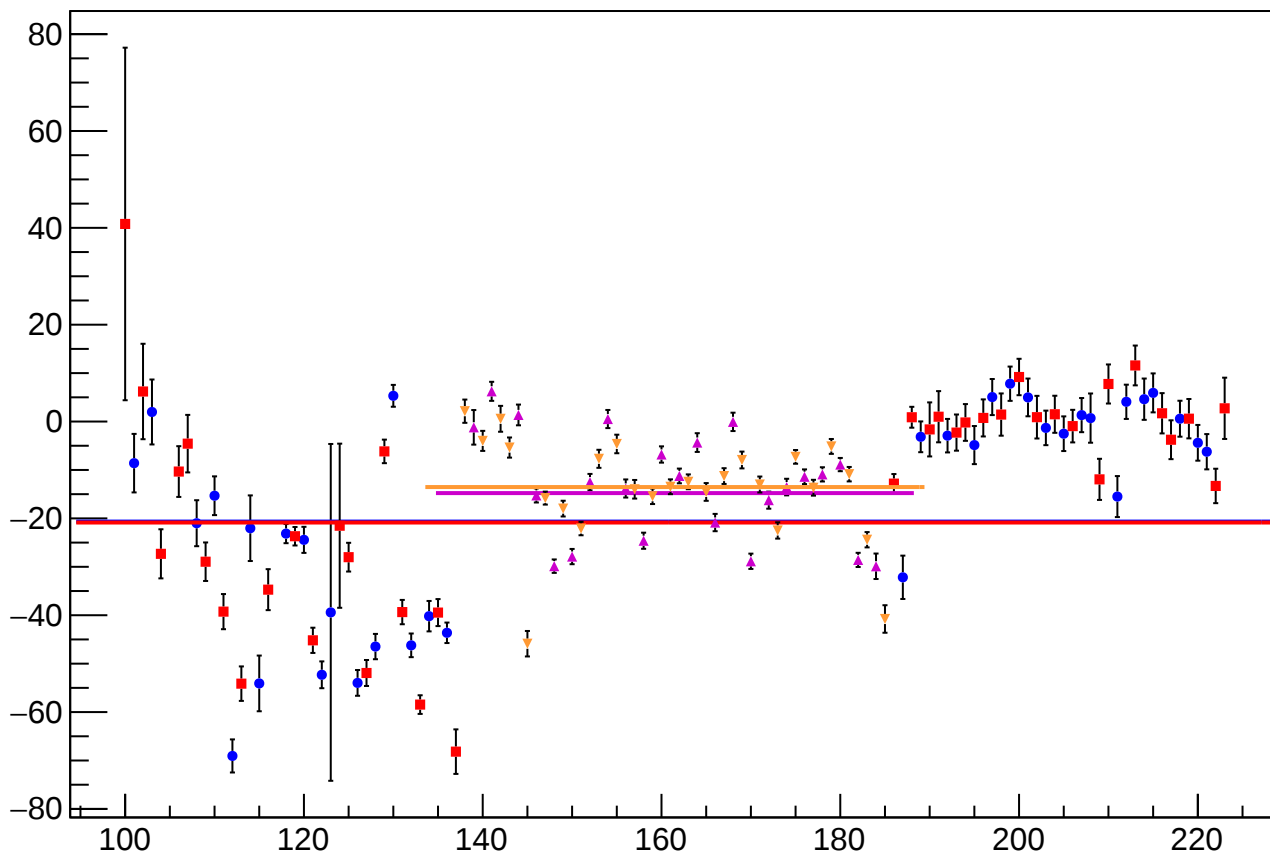
Left In: 18.150 ± 0.393 χ^2/NDF : 2339.4/22

+ sign 25.292 ± 0.299 χ^2/NDF : 8170.6/59

All: 25.631 ± 0.205 χ^2/NDF : 19194.2/121

- sign 25.931 ± 0.281 χ^2/NDF : 11021.2/61

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -20.660 ± 0.572 χ^2/NDF : 1582.8/34

Left Out: -13.531 ± 0.344 χ^2/NDF : 572.8/24

Right Out: -20.854 ± 0.544 χ^2/NDF : 1630.8/38

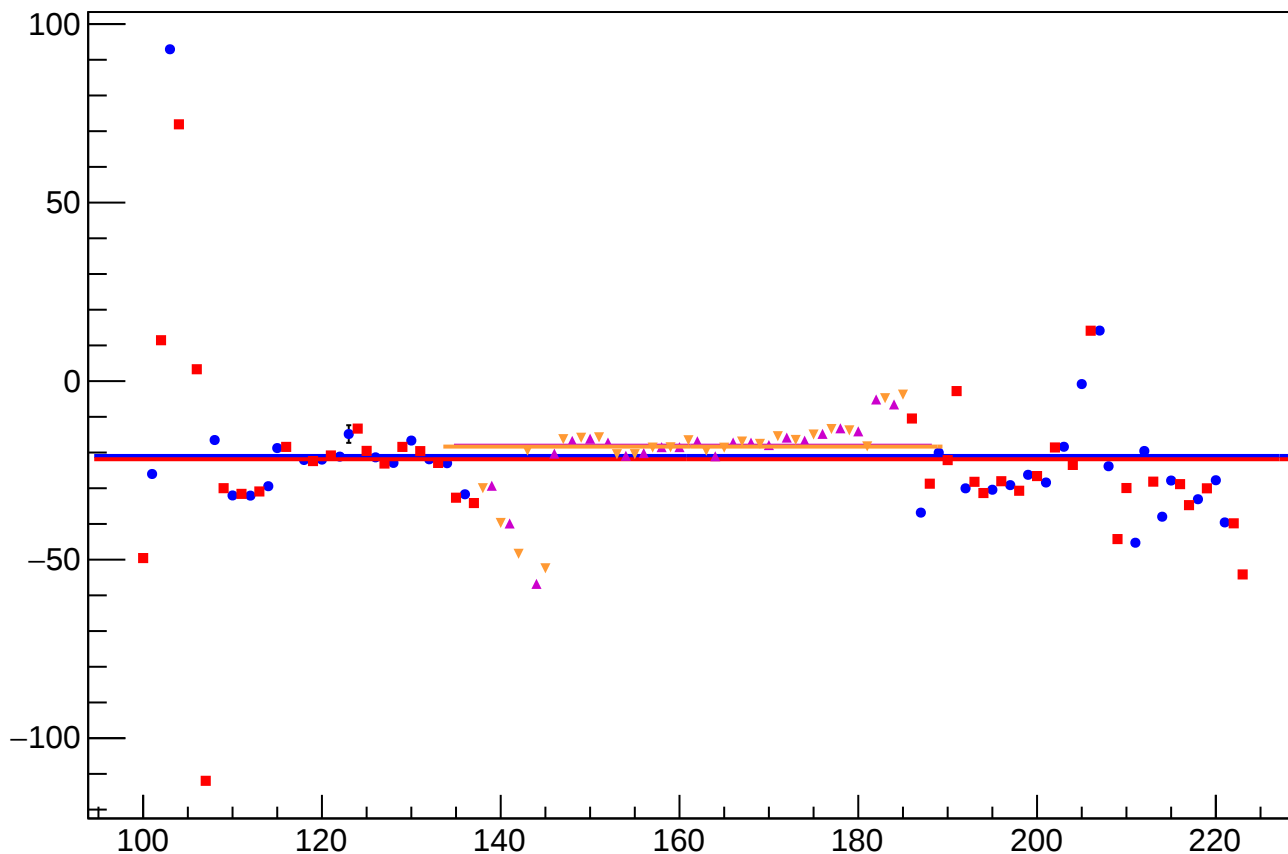
Left In: -14.778 ± 0.354 χ^2/NDF : 838.0/22

+ sign -15.426 ± 0.295 χ^2/NDF : 2269.8/59

All: -16.003 ± 0.209 χ^2/NDF : 4833.9/121

- sign -16.587 ± 0.297 χ^2/NDF : 2556.4/61

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.959 ± 0.028 χ^2/NDF : 631442.6/34

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -21.877 ± 0.027 χ^2/NDF : 597987.2/38

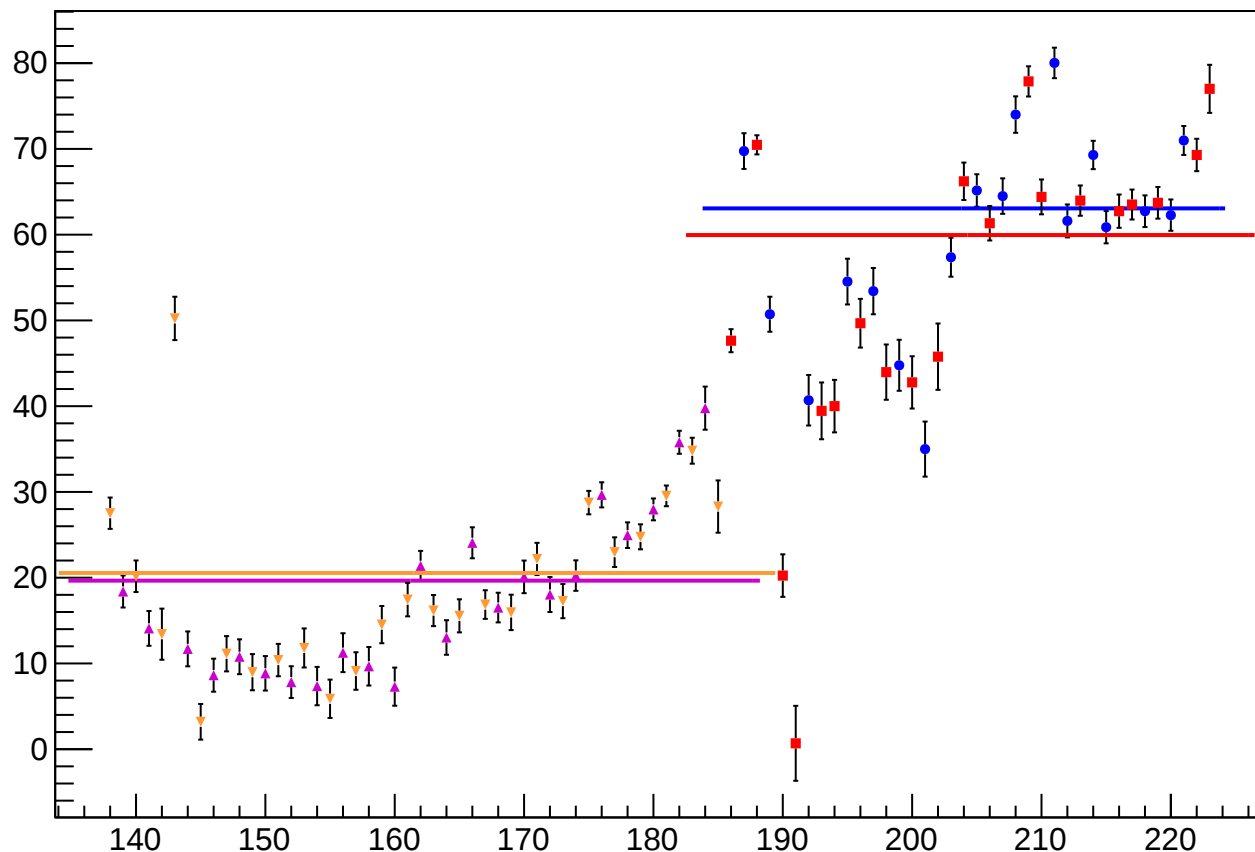
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -18.982 ± 0.014 χ^2/NDF : 922370.2/59

All: -19.036 ± 0.010 χ^2/NDF : 1777107.1/121

- sign -19.091 ± 0.014 χ^2/NDF : 854705.6/61

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 63.064 $\pm$ 0.489 χ^2 /NDF: 405.6/17

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF: 626.4/24

Right Out: 59.956 $\pm$ 0.457 χ^2 /NDF: 970.4/19

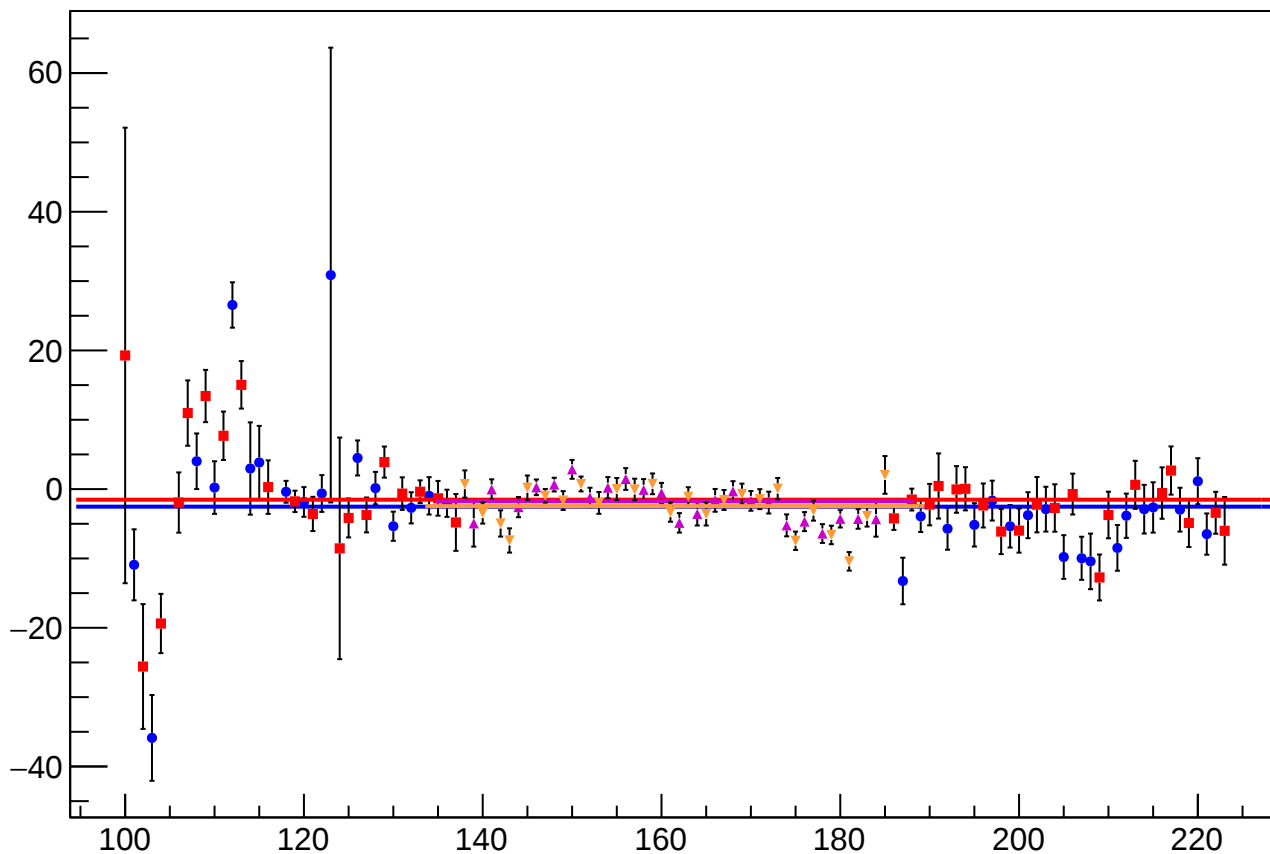
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

+ sign 36.185 $\pm$ 0.297 χ^2 /NDF: 5808.1/42

All: 36.178 $\pm$ 0.208 χ^2 /NDF: 11949.4/85

- sign 36.170 $\pm$ 0.292 χ^2 /NDF: 6141.3/42

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.531 ± 0.494 χ^2/NDF : 165.7/34

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.525 ± 0.464 χ^2/NDF : 111.6/38

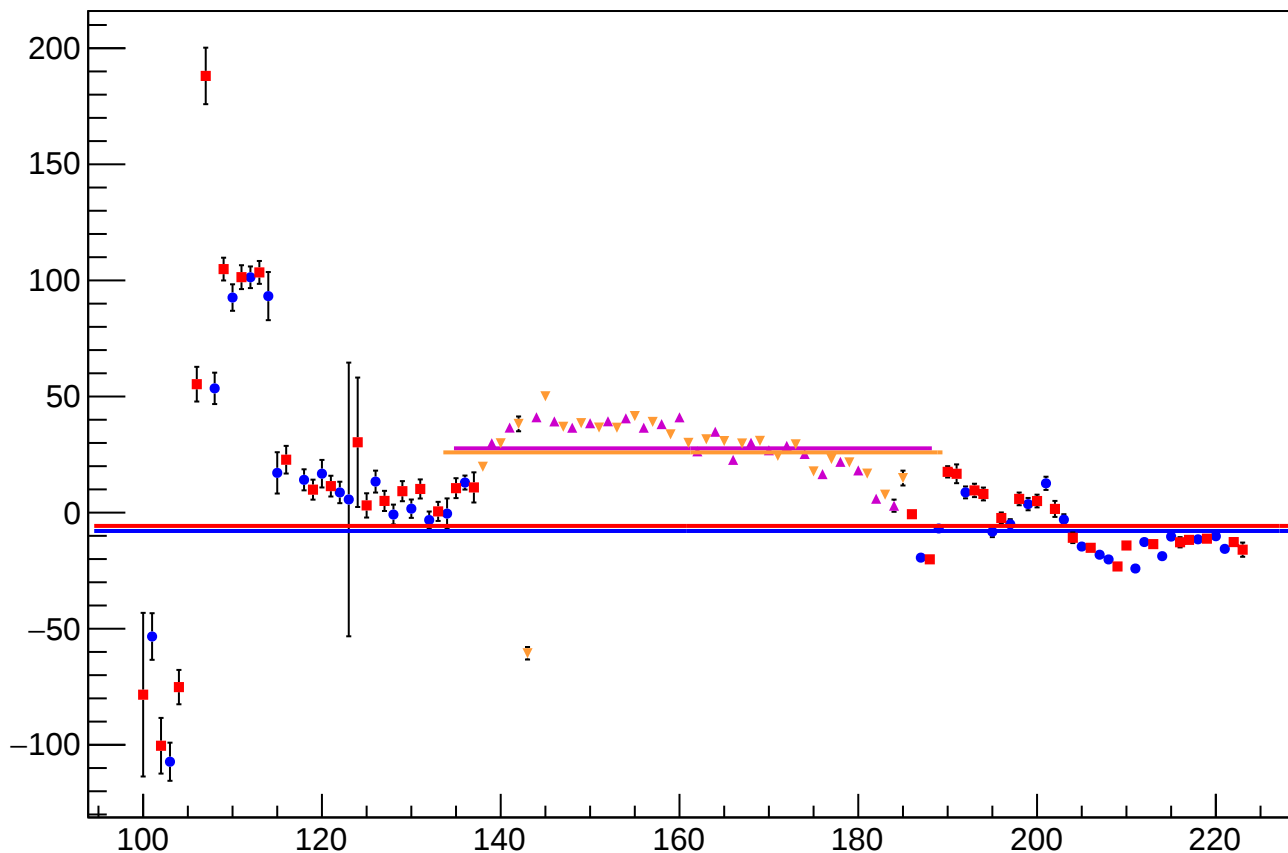
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.474 ± 0.252 χ^2/NDF : 271.6/59

All: -2.084 ± 0.178 χ^2/NDF : 455.7/121

- sign -1.689 ± 0.253 χ^2/NDF : 179.3/61

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -7.908 ± 0.451 χ^2/NDF : 1726.4/34

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -5.727 ± 0.406 χ^2/NDF : 2720.4/38

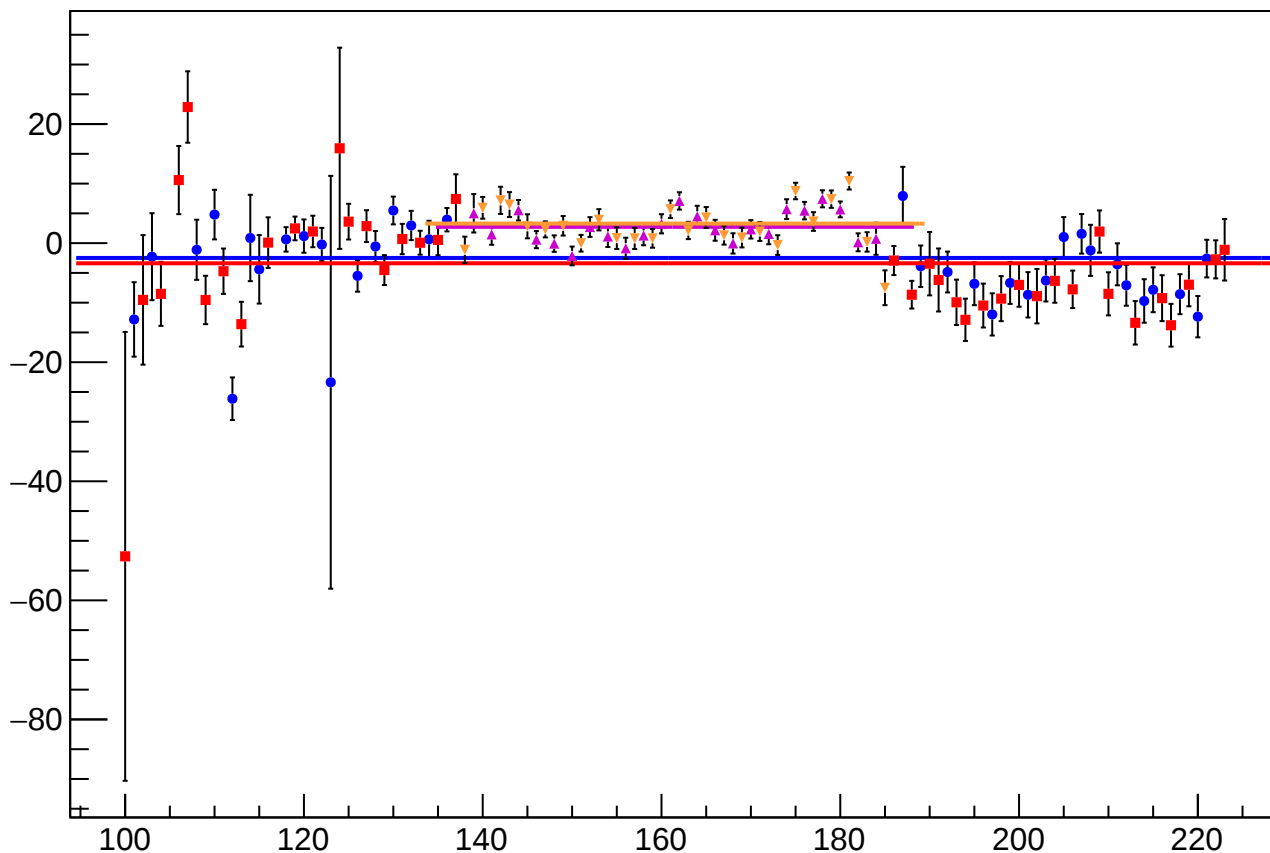
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 12.222 ± 0.287 χ^2/NDF : 6786.7/59

All: 12.182 ± 0.199 χ^2/NDF : 13937.9/121

- sign 12.145 ± 0.277 χ^2/NDF : 7151.2/61

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -2.485 ± 0.561 χ^2/NDF : 125.9/34

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -3.385 ± 0.544 χ^2/NDF : 128.8/38

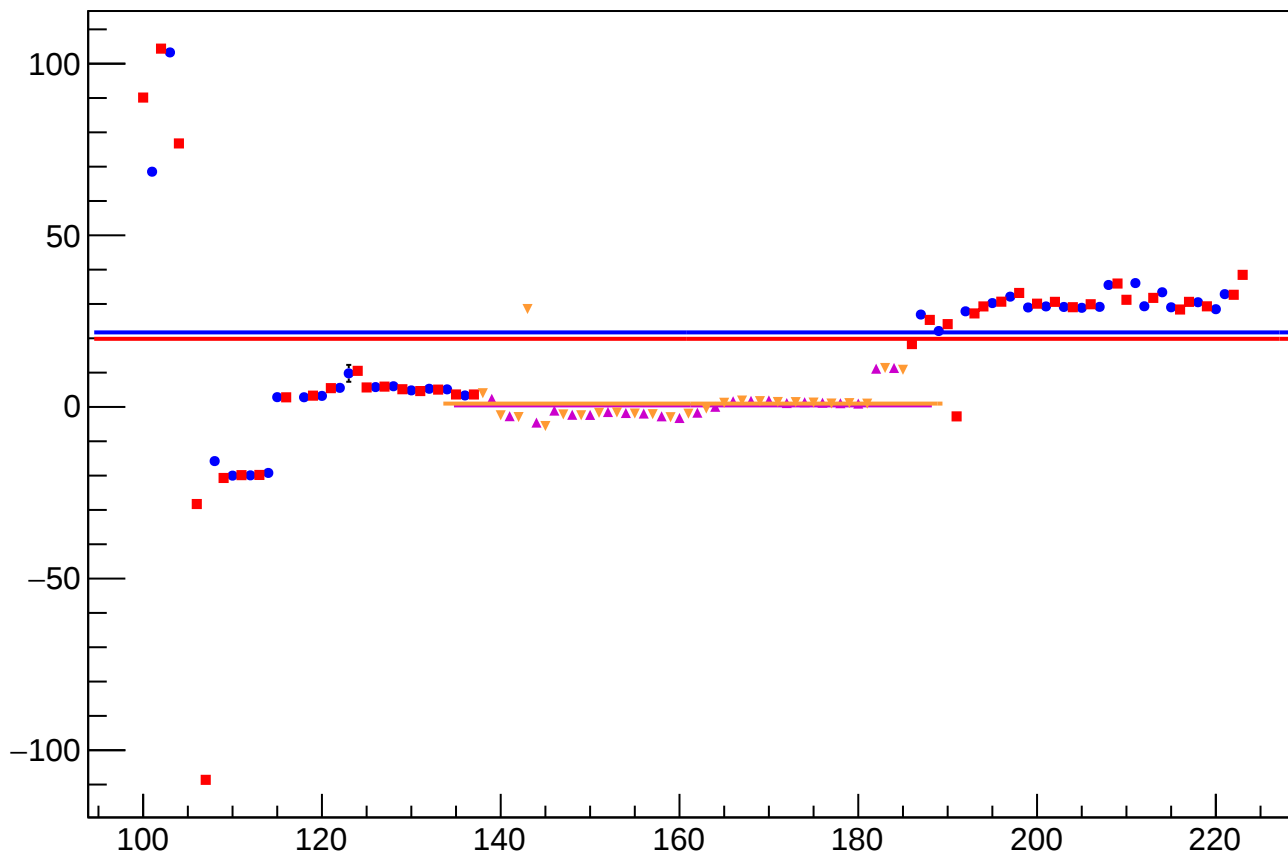
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 1.791 ± 0.285 χ^2/NDF : 306.5/59

All: 1.406 ± 0.203 χ^2/NDF : 594.3/121

- sign 1.010 ± 0.289 χ^2/NDF : 284.1/61

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.719 $\pm$ 0.027 χ^2 /NDF: 521082.4/34

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF: 117391.3/24

Right Out: 19.848 $\pm$ 0.026 χ^2 /NDF: 759536.0/38

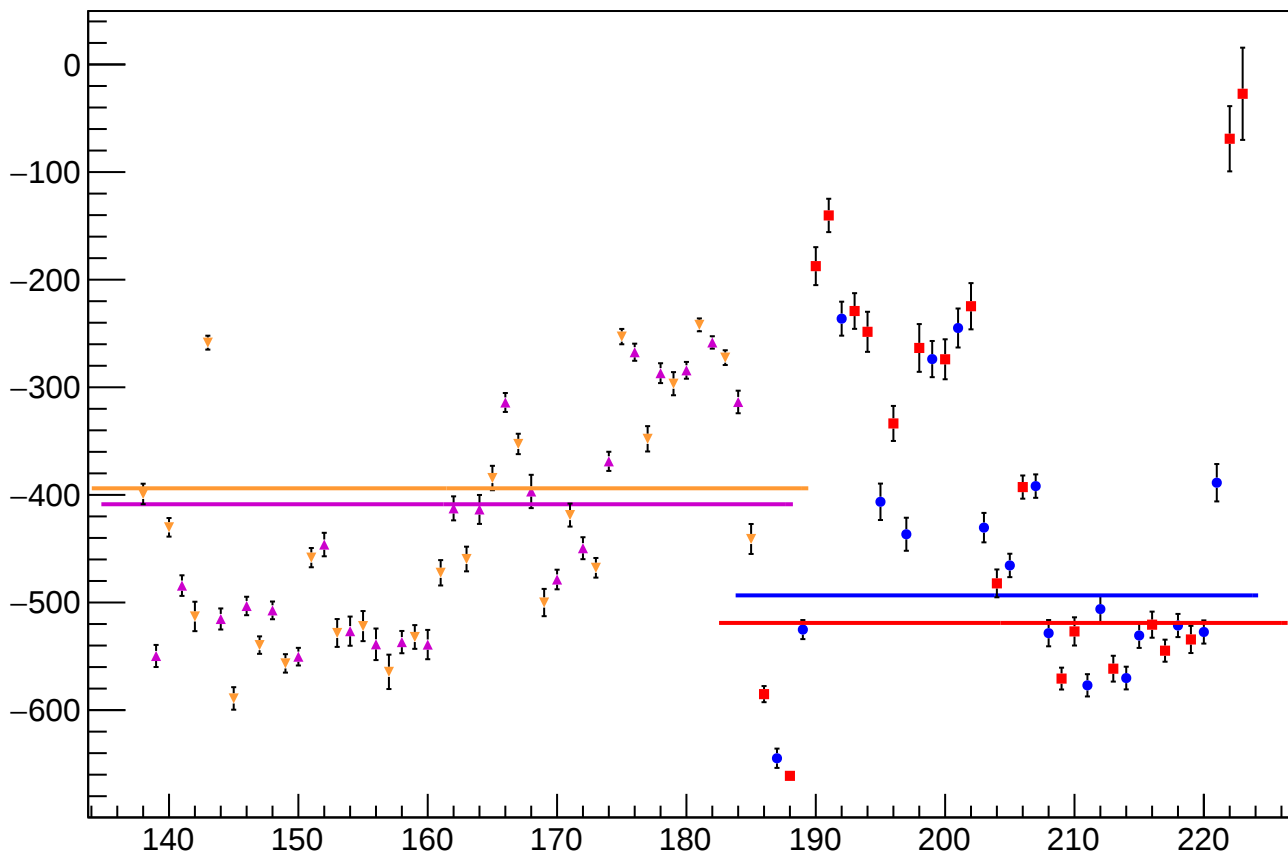
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 6.000 $\pm$ 0.013 χ^2 /NDF: 1089708.4/59

All: 5.720 $\pm$ 0.009 χ^2 /NDF: 2306945.1/121

- sign 5.437 $\pm$ 0.013 χ^2 /NDF: 1216335.4/61

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -493.387 ± 2.829 χ^2/NDF : 1267.5/17

Left Out: -393.871 ± 1.897 χ^2/NDF : 3772.8/24

Right Out: -518.982 ± 2.572 χ^2/NDF : 3669.3/19

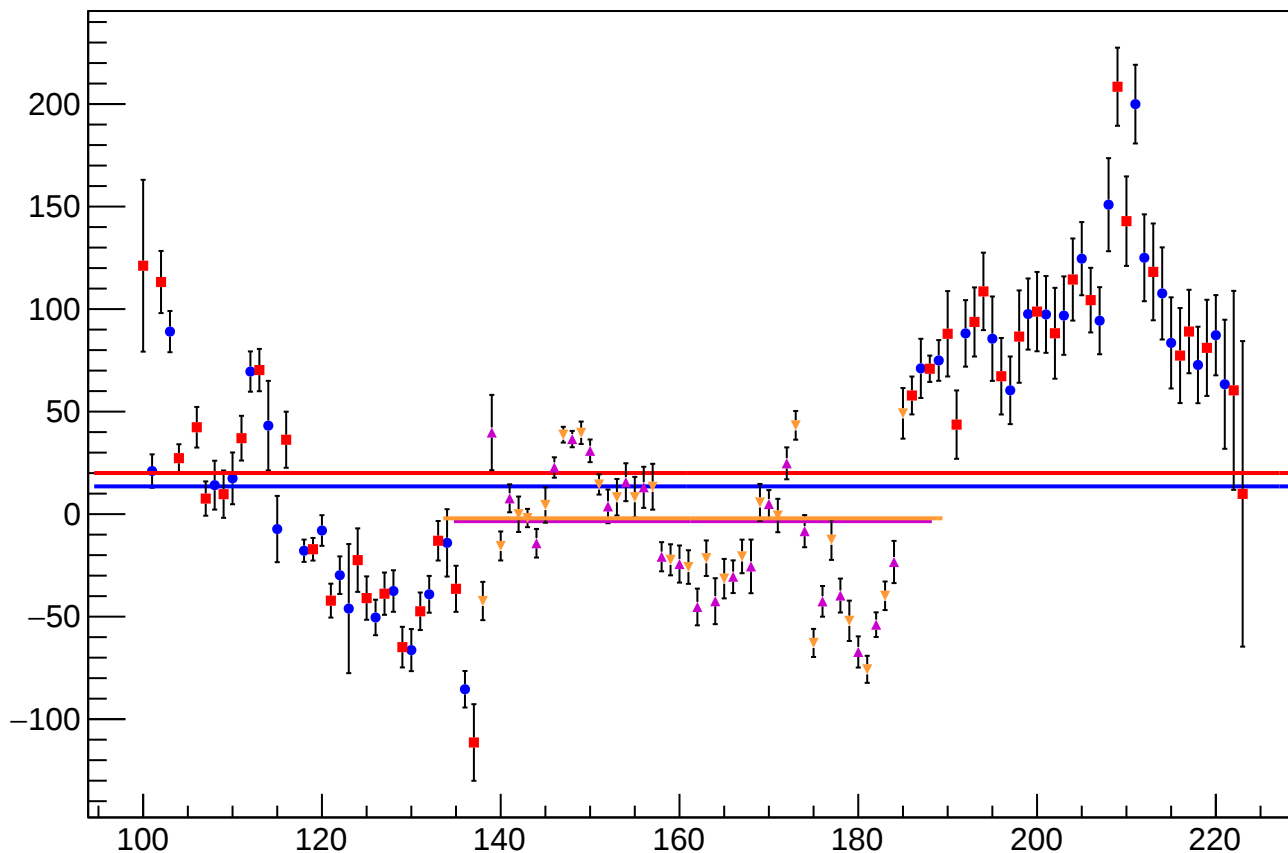
Left In: -408.696 ± 1.979 χ^2/NDF : 3062.9/22

+ sign -424.739 ± 1.576 χ^2/NDF : 5893.9/42

All: -437.284 ± 1.112 χ^2/NDF : 13907.4/85

- sign -449.714 ± 1.568 χ^2/NDF : 7887.3/42

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 13.531 ± 2.047 $\chi^2/\text{NDF}: 896.4/34$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 20.056 ± 1.913 $\chi^2/\text{NDF}: 867.4/38$

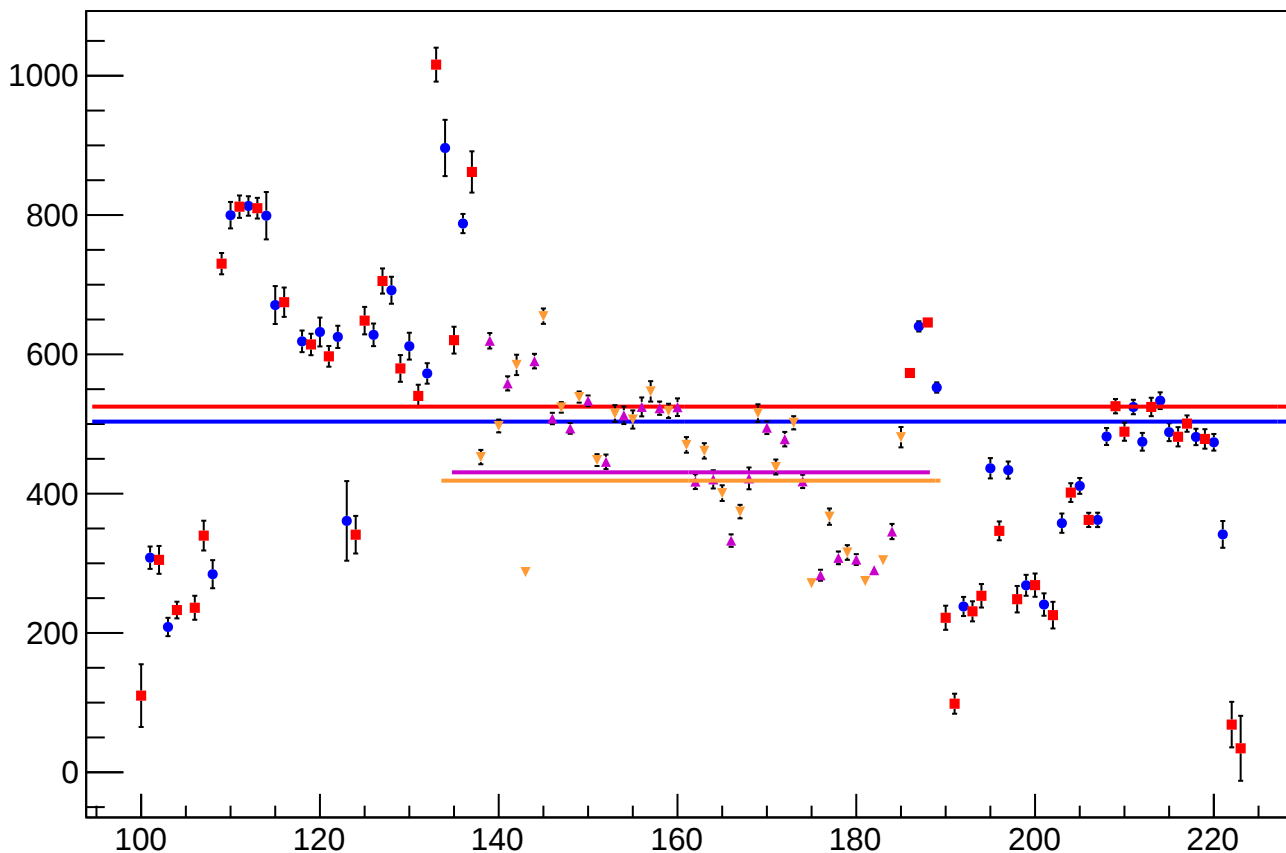
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign 3.040 ± 1.169 $\chi^2/\text{NDF}: 1499.1/59$

All: 4.328 ± 0.834 $\chi^2/\text{NDF}: 2912.2/121$

- sign 5.664 ± 1.190 $\chi^2/\text{NDF}: 1410.6/61$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 503.442 ± 2.303 $\chi^2/\text{NDF}: 4288.8/34$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 524.965 ± 2.017 $\chi^2/\text{NDF}: 7426.3/38$

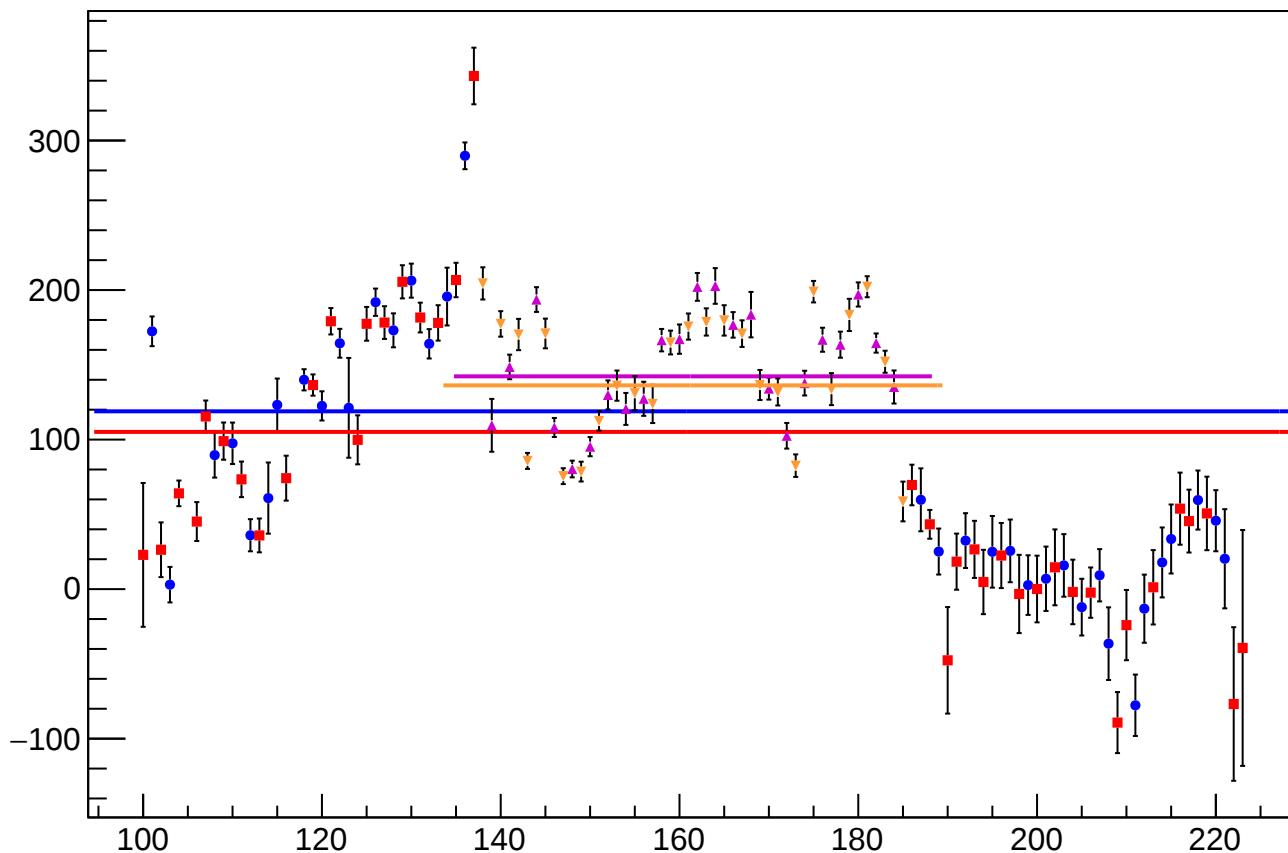
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 453.113 ± 1.468 $\chi^2/\text{NDF}: 8389.6/59$

All: 465.386 ± 1.017 $\chi^2/\text{NDF}: 19919.6/121$

- sign 476.705 ± 1.410 $\chi^2/\text{NDF}: 11395.6/61$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 118.909 ± 2.372 $\chi^2/\text{NDF}: 1279.1/34$

Left Out: 136.258 ± 1.651 $\chi^2/\text{NDF}: 758.3/24$

Right Out: 105.143 ± 2.263 $\chi^2/\text{NDF}: 1135.7/38$

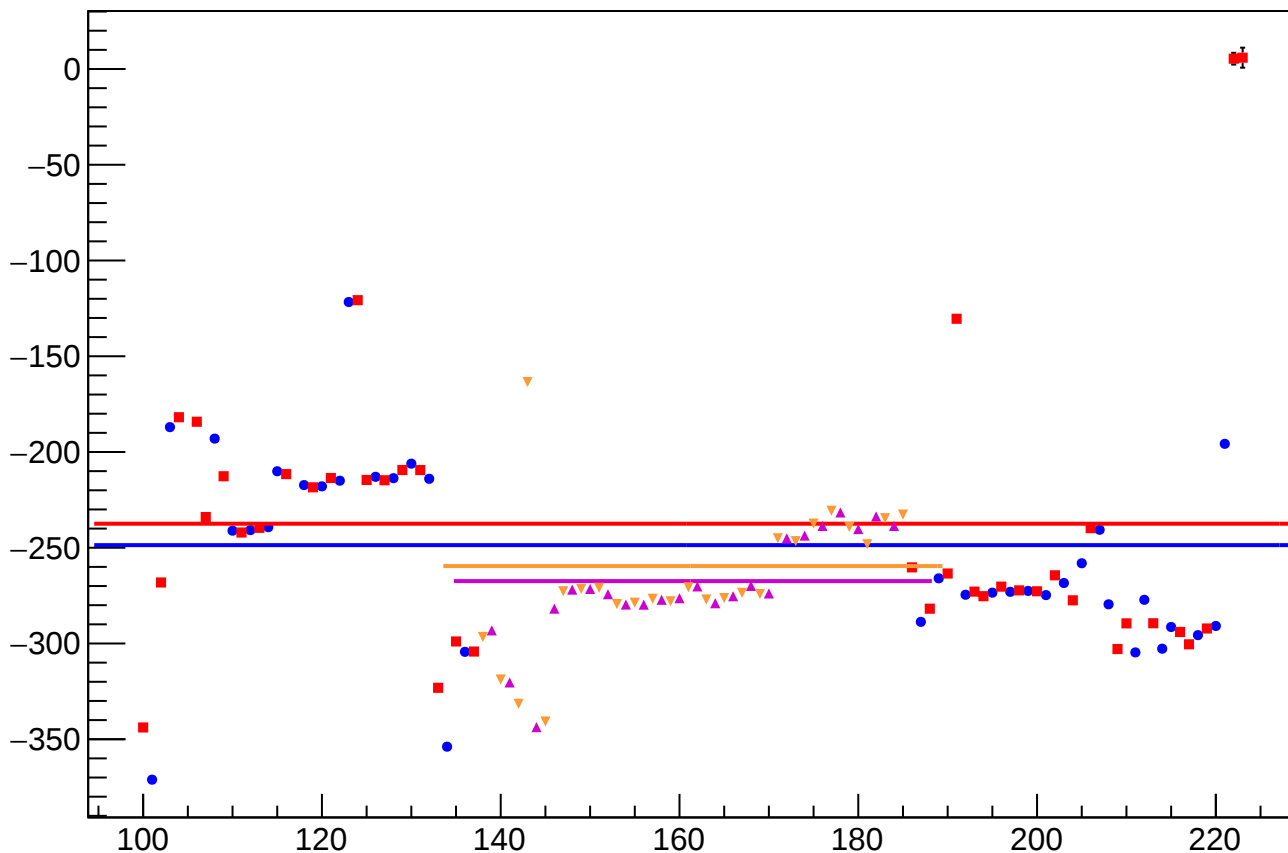
Left In: 142.296 ± 1.745 $\chi^2/\text{NDF}: 459.8/22$

+ sign 130.597 ± 1.355 $\chi^2/\text{NDF}: 2073.4/59$

All: 129.542 ± 0.967 $\chi^2/\text{NDF}: 3839.2/121$

- sign 128.446 ± 1.382 $\chi^2/\text{NDF}: 1764.5/61$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -248.633 ± 0.118 $\chi^2/\text{NDF}: 176211.0/34$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -237.452 ± 0.111 $\chi^2/\text{NDF}: 197527.3/38$

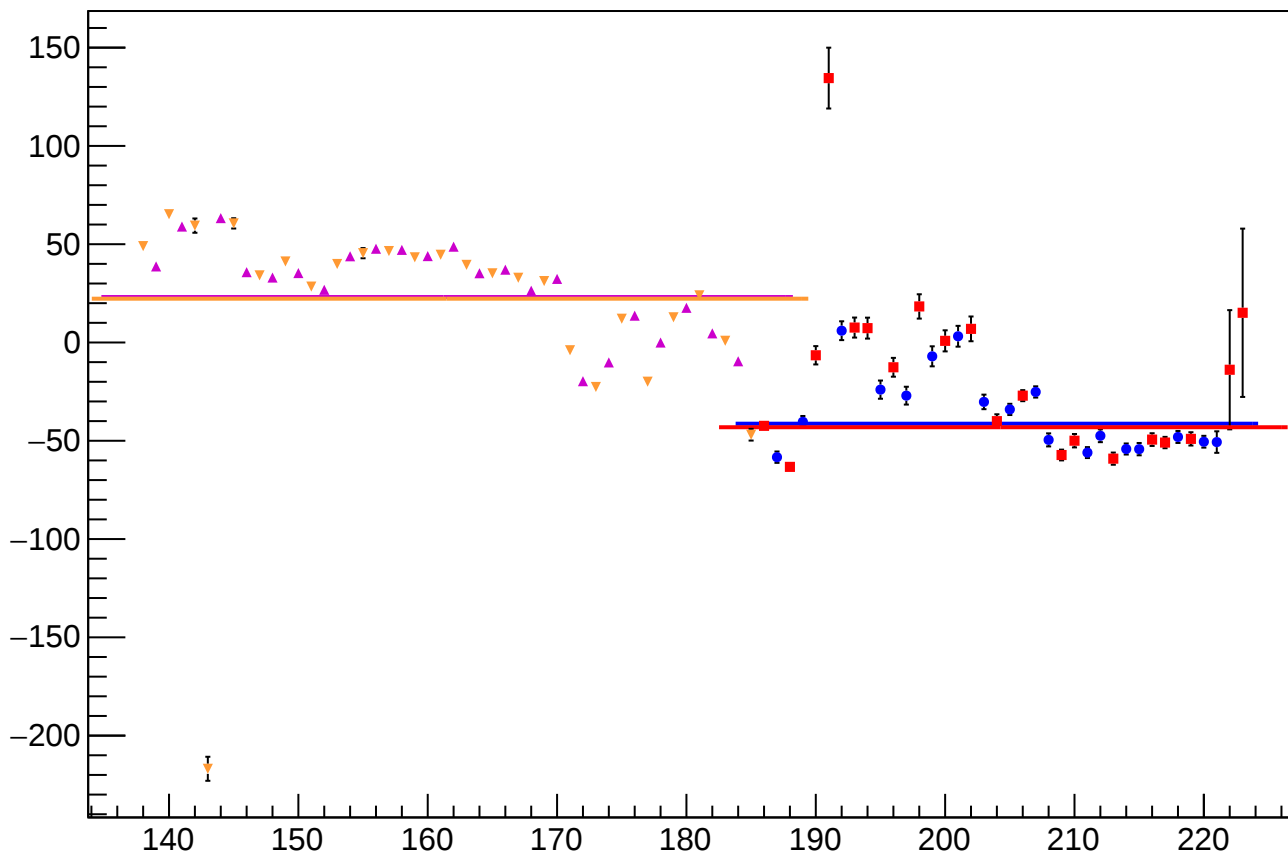
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -256.189 ± 0.066 $\chi^2/\text{NDF}: 420327.7/59$

All: -256.548 ± 0.047 $\chi^2/\text{NDF}: 763163.1/121$

- sign -256.907 ± 0.066 $\chi^2/\text{NDF}: 342775.7/61$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.318 ± 0.801 $\chi^2/\text{NDF}: 412.2/17$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -43.118 ± 0.740 $\chi^2/\text{NDF}: 926.1/19$

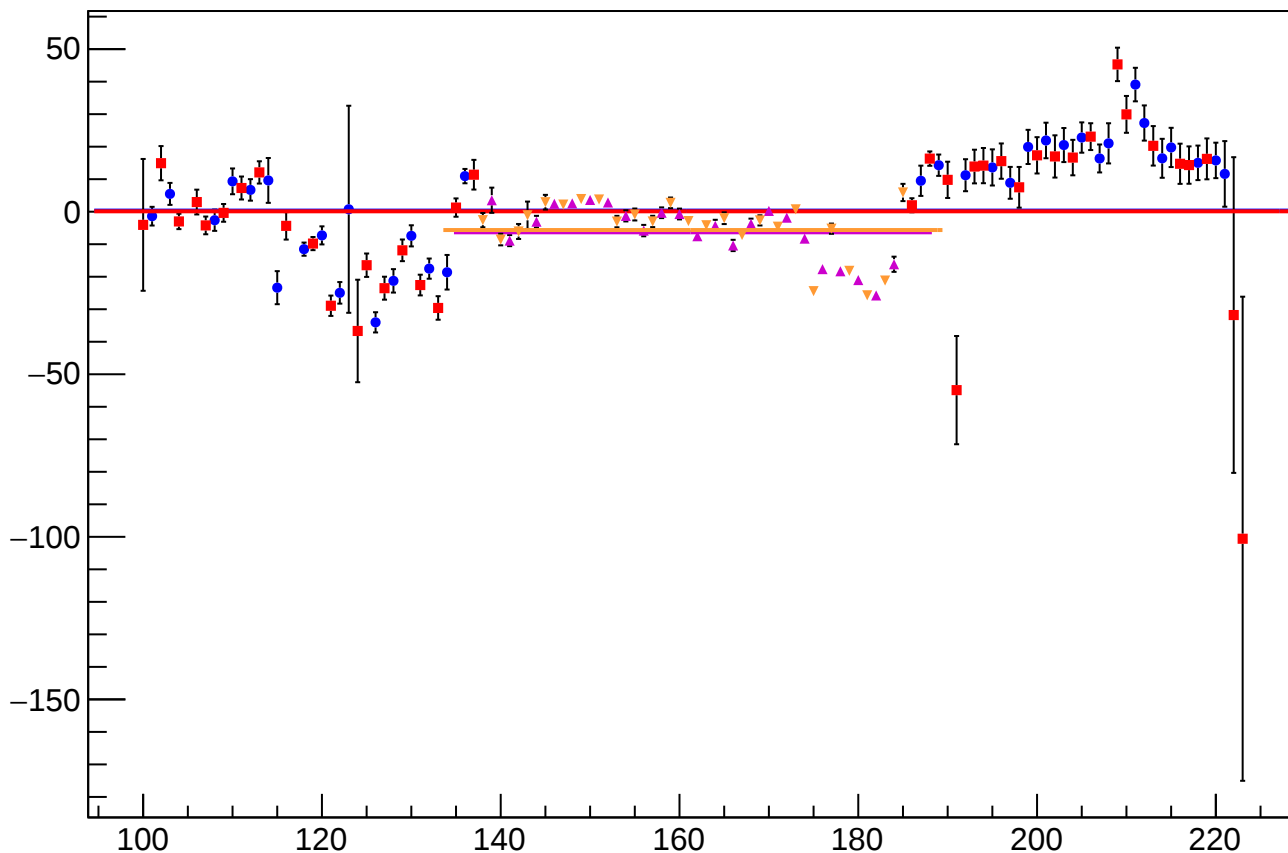
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 9.649 ± 0.357 $\chi^2/\text{NDF}: 10634.8/42$

All: 8.845 ± 0.251 $\chi^2/\text{NDF}: 20513.4/85$

- sign 8.060 ± 0.353 $\chi^2/\text{NDF}: 9868.5/42$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 0.338 ± 0.660 χ^2/NDF : 612.5/34

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: 0.120 ± 0.616 χ^2/NDF : 634.2/38

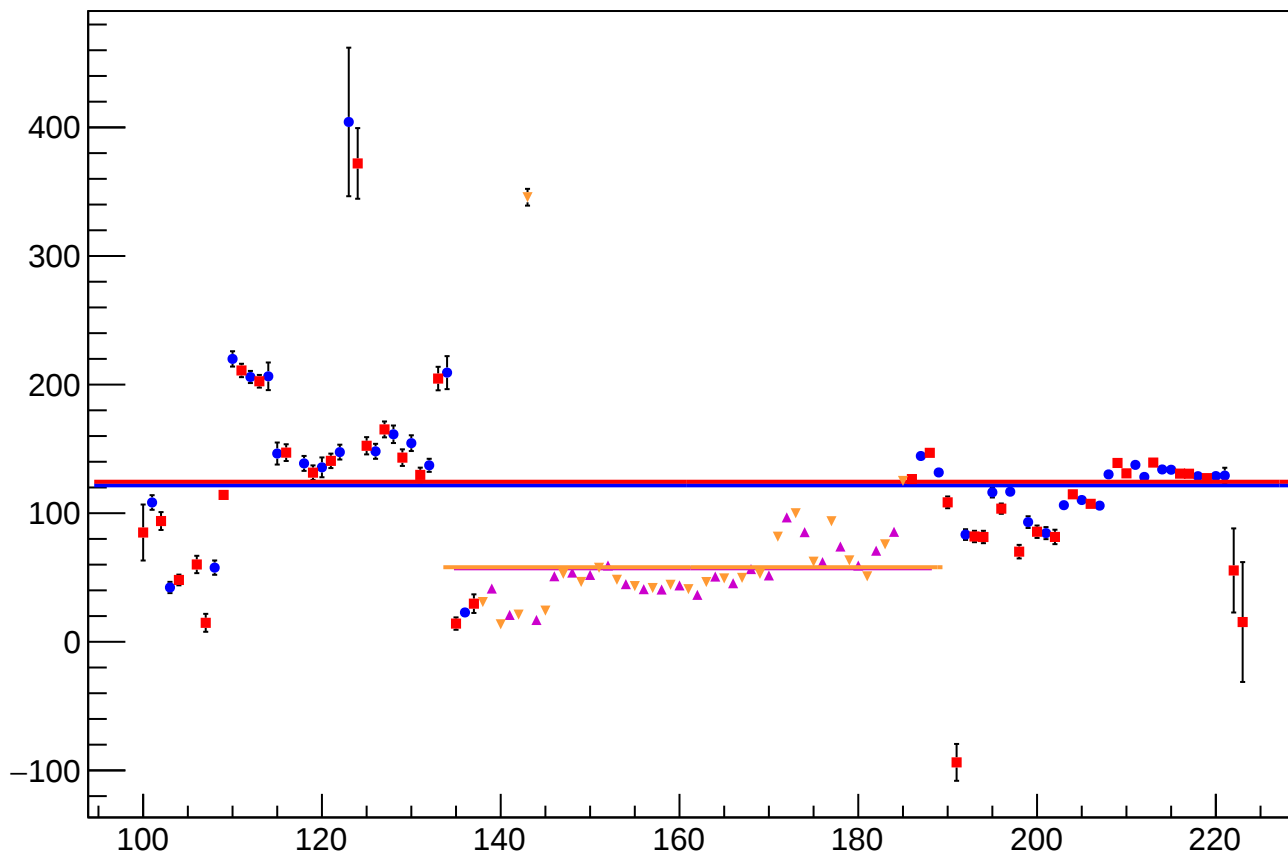
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -4.530 ± 0.285 χ^2/NDF : 1573.0/59

All: -4.743 ± 0.201 χ^2/NDF : 3077.7/121

- sign -4.957 ± 0.285 χ^2/NDF : 1503.6/61

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 121.657 $\pm$ 0.684 χ^2 /NDF: 2614.2/34

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 124.478 $\pm$ 0.602 χ^2 /NDF: 3289.7/38

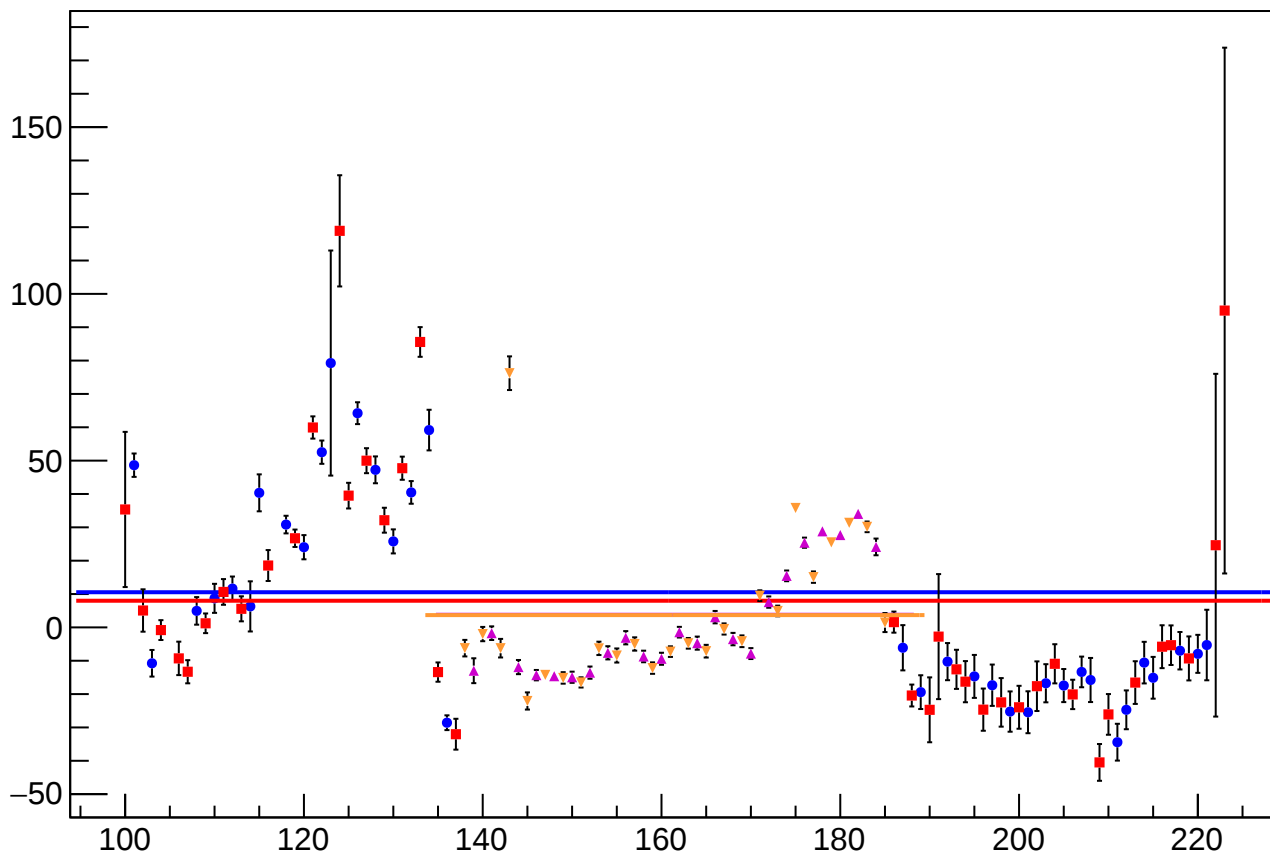
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 74.107 $\pm$ 0.344 χ^2 /NDF: 13729.8/59

All: 75.968 $\pm$ 0.239 χ^2 /NDF: 27557.9/121

- sign 77.712 $\pm$ 0.333 χ^2 /NDF: 13771.4/61

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 10.542 ± 0.755 χ^2/NDF : 1632.4/34

Left Out: 3.684 ± 0.357 χ^2/NDF : 2541.7/24

Right Out: 7.992 ± 0.725 χ^2/NDF : 1600.4/38

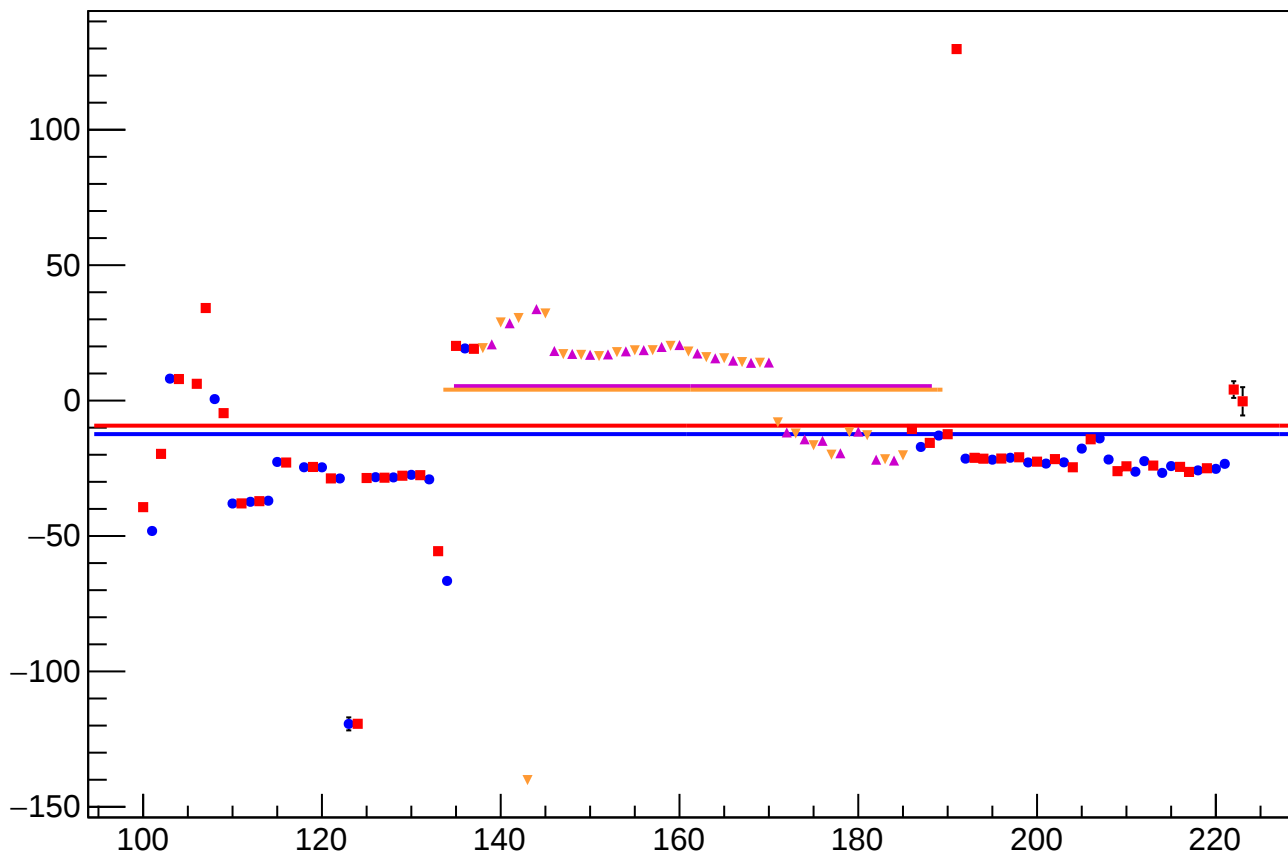
Left In: 3.786 ± 0.362 χ^2/NDF : 2198.8/22

+ sign 4.937 ± 0.322 χ^2/NDF : 4241.6/59

All: 4.781 ± 0.228 χ^2/NDF : 8068.2/121

- sign 4.624 ± 0.324 χ^2/NDF : 3826.2/61

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.381 ± 0.036 χ^2/NDF : 310488.9/34

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -9.257 ± 0.035 χ^2/NDF : 403303.9/38

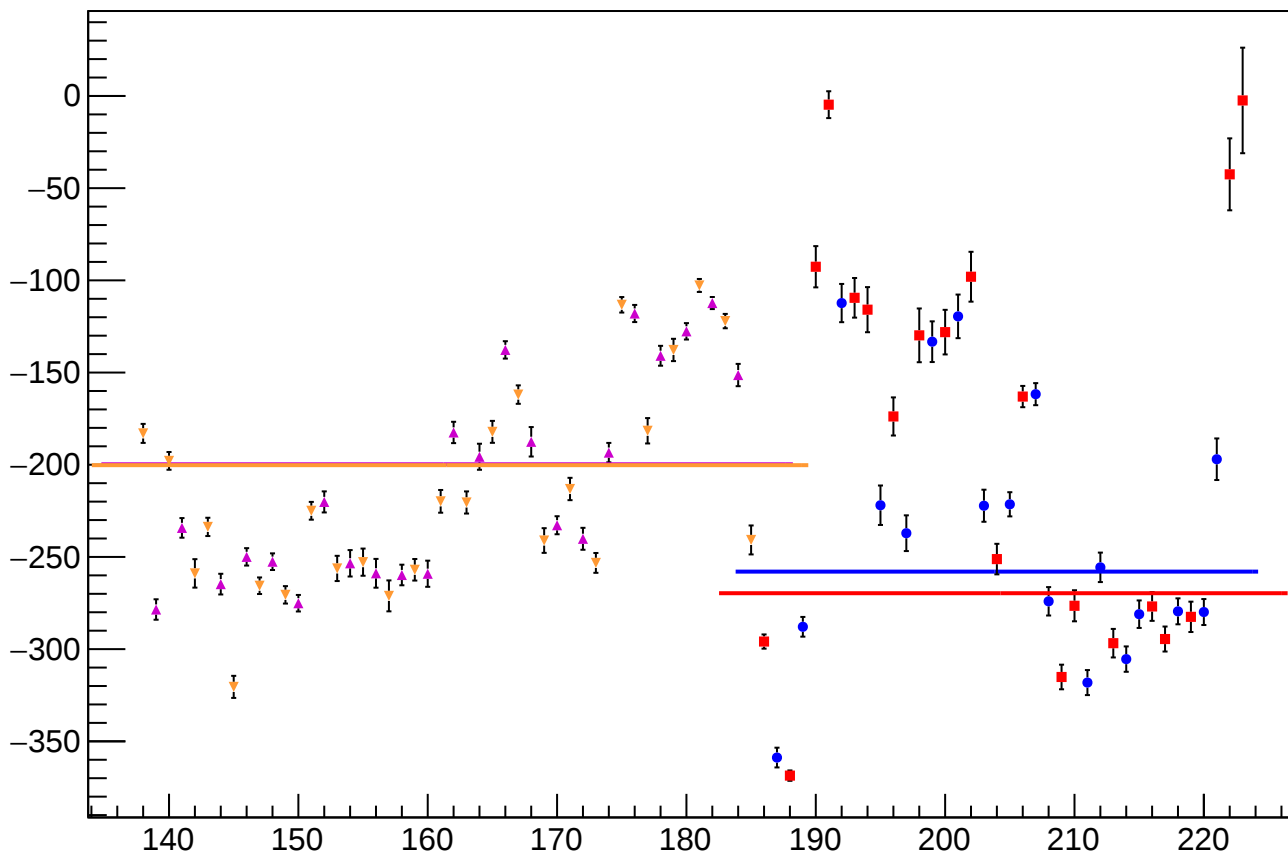
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.154 ± 0.015 χ^2/NDF : 1869597.8/59

All: 1.925 ± 0.011 χ^2/NDF : 3498883.2/121

- sign 2.696 ± 0.015 χ^2/NDF : 1623904.4/61

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -257.958 ± 1.768 $\chi^2/\text{NDF}: 1359.0/17$

Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$

Right Out: -269.674 ± 1.549 $\chi^2/\text{NDF}: 4360.8/19$

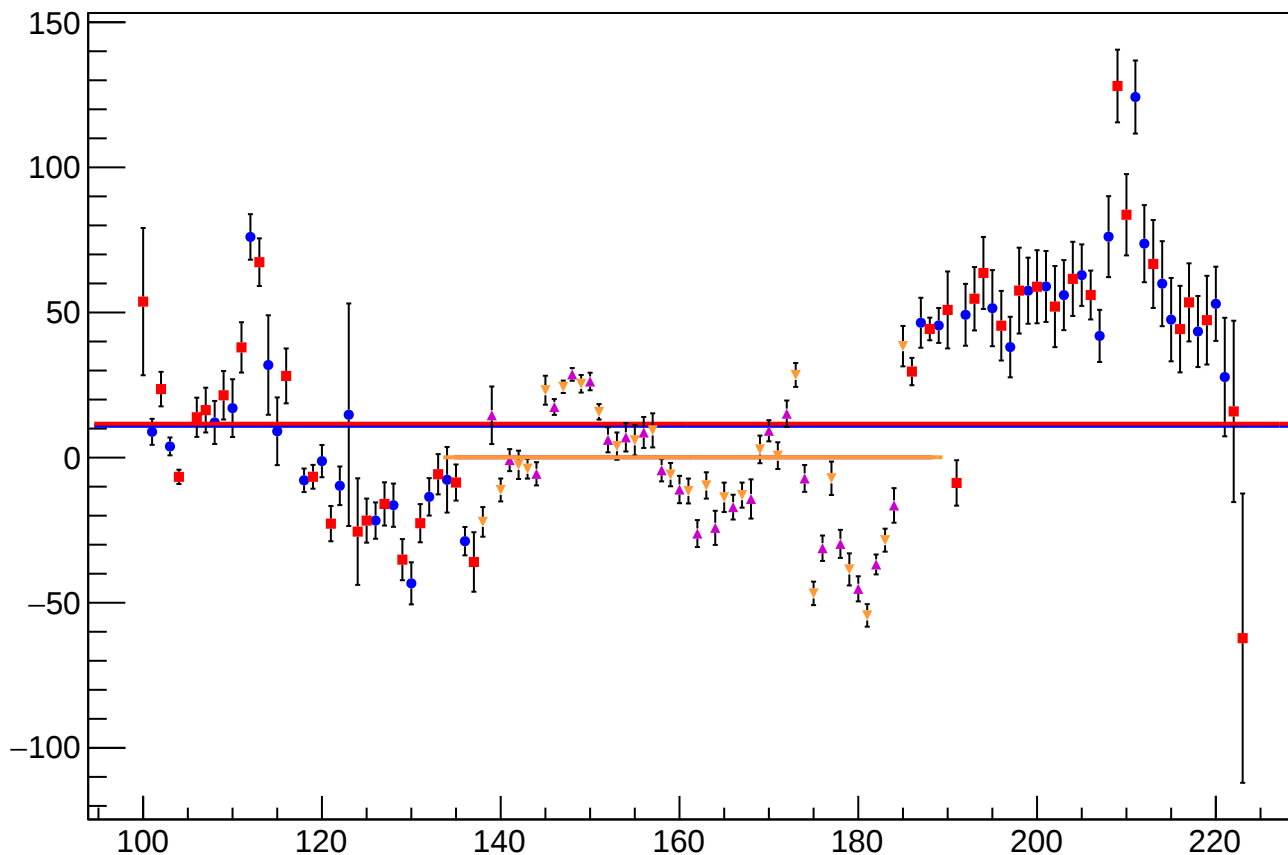
Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -215.866 ± 0.920 $\chi^2/\text{NDF}: 5361.2/42$

All: -219.591 ± 0.642 $\chi^2/\text{NDF}: 14079.4/85$

- sign -223.116 ± 0.895 $\chi^2/\text{NDF}: 8686.4/42$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.965 ± 1.278 χ^2/NDF : 614.9/34

Left Out: 0.109 ± 0.807 χ^2/NDF : 831.2/24

Right Out: 11.687 ± 1.167 χ^2/NDF : 684.9/38

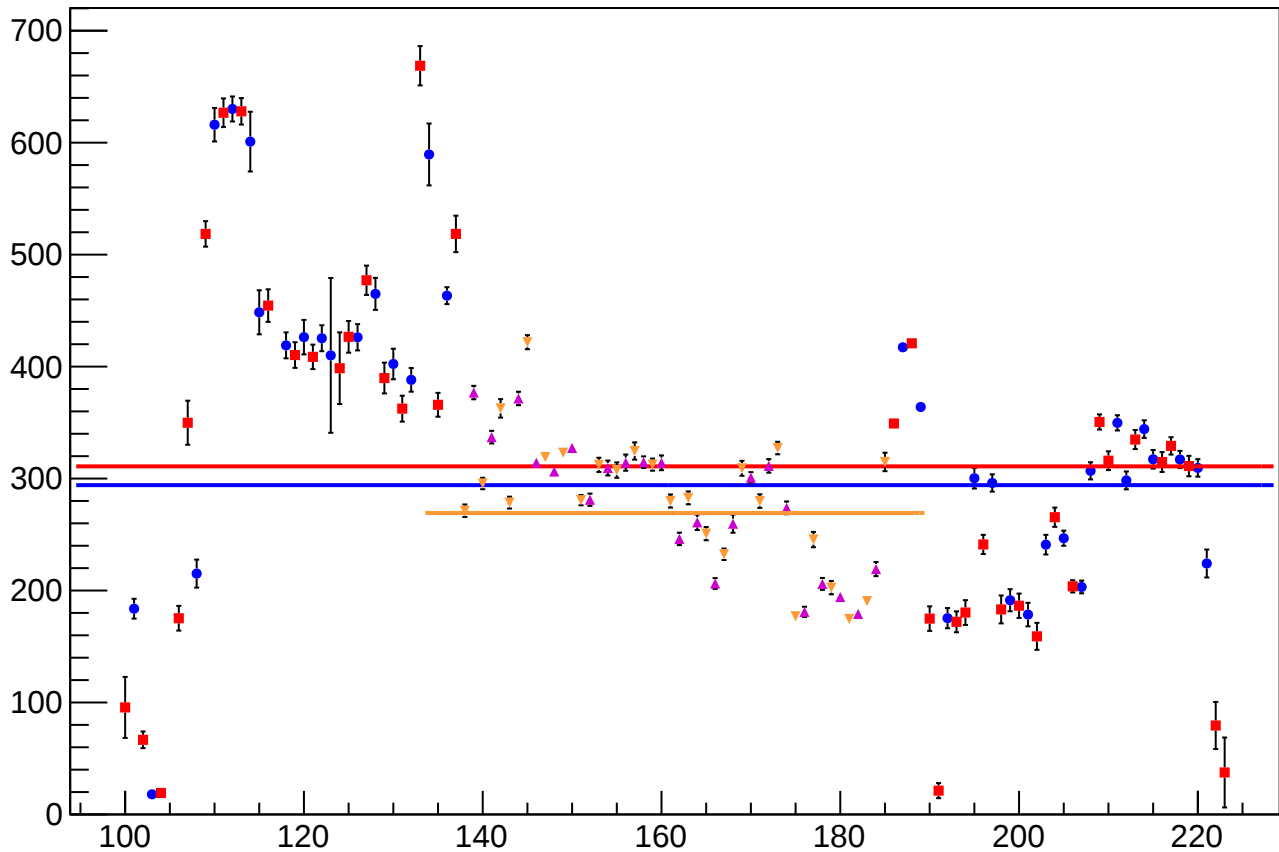
Left In: 0.097 ± 0.838 χ^2/NDF : 715.5/22

+ sign 3.206 ± 0.682 χ^2/NDF : 1497.8/59

All: 3.624 ± 0.482 χ^2/NDF : 2963.9/121

- sign 4.040 ± 0.681 χ^2/NDF : 1465.4/61

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 294.122 $\pm$ 1.395 χ^2 /NDF: 9689.3/34

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 310.904 $\pm$ 1.201 χ^2 /NDF: 14607.2/38

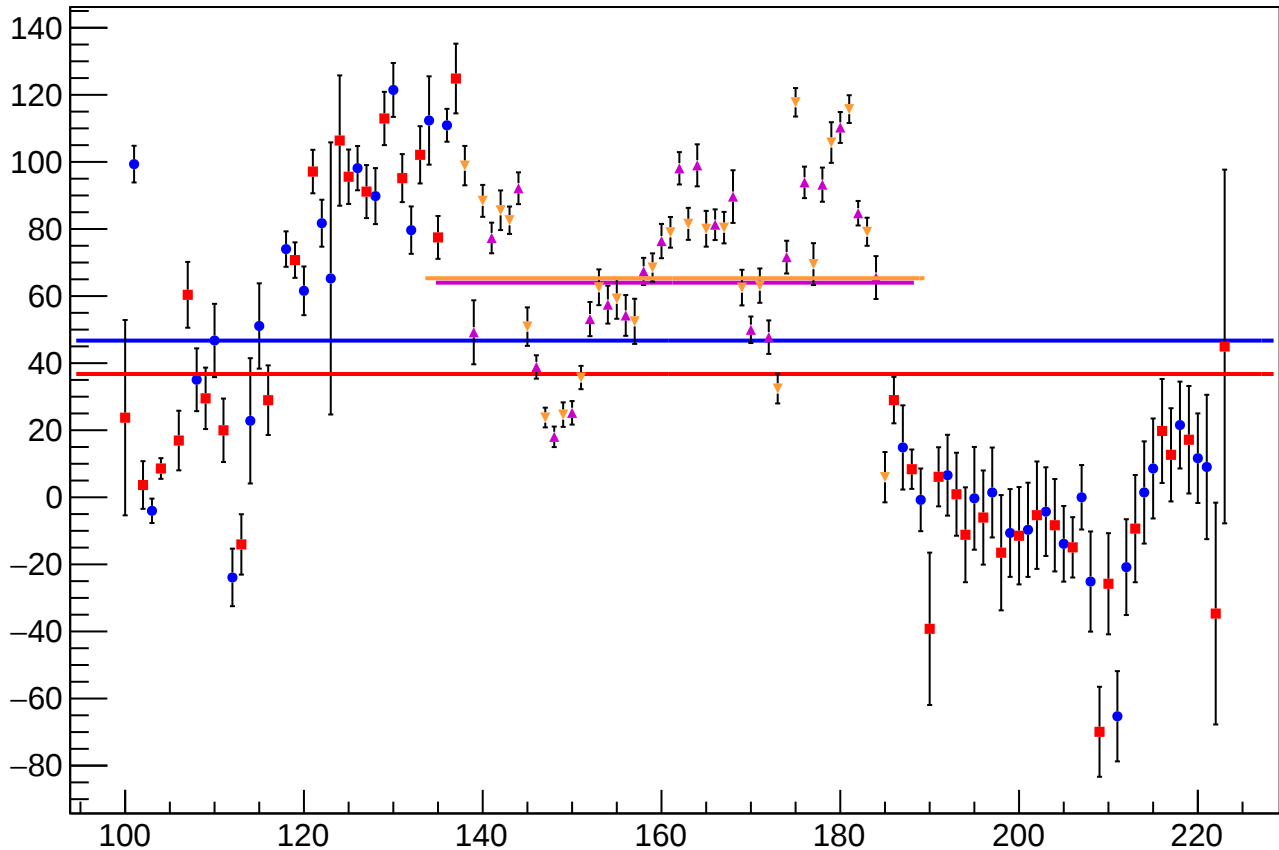
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 278.565 $\pm$ 0.853 χ^2 /NDF: 13034.7/59

All: 283.567 $\pm$ 0.586 χ^2 /NDF: 31538.8/121

- sign 288.050 $\pm$ 0.807 χ^2 /NDF: 18438.8/61

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 46.723 $\pm$ 1.483 χ^2/NDF : 1116.8/34

Left Out: 65.323 $\pm$ 0.935 χ^2/NDF :1007.1/24

Right Out: 36.760 $\pm$ 1.401 χ^2/NDF : 970.3/38

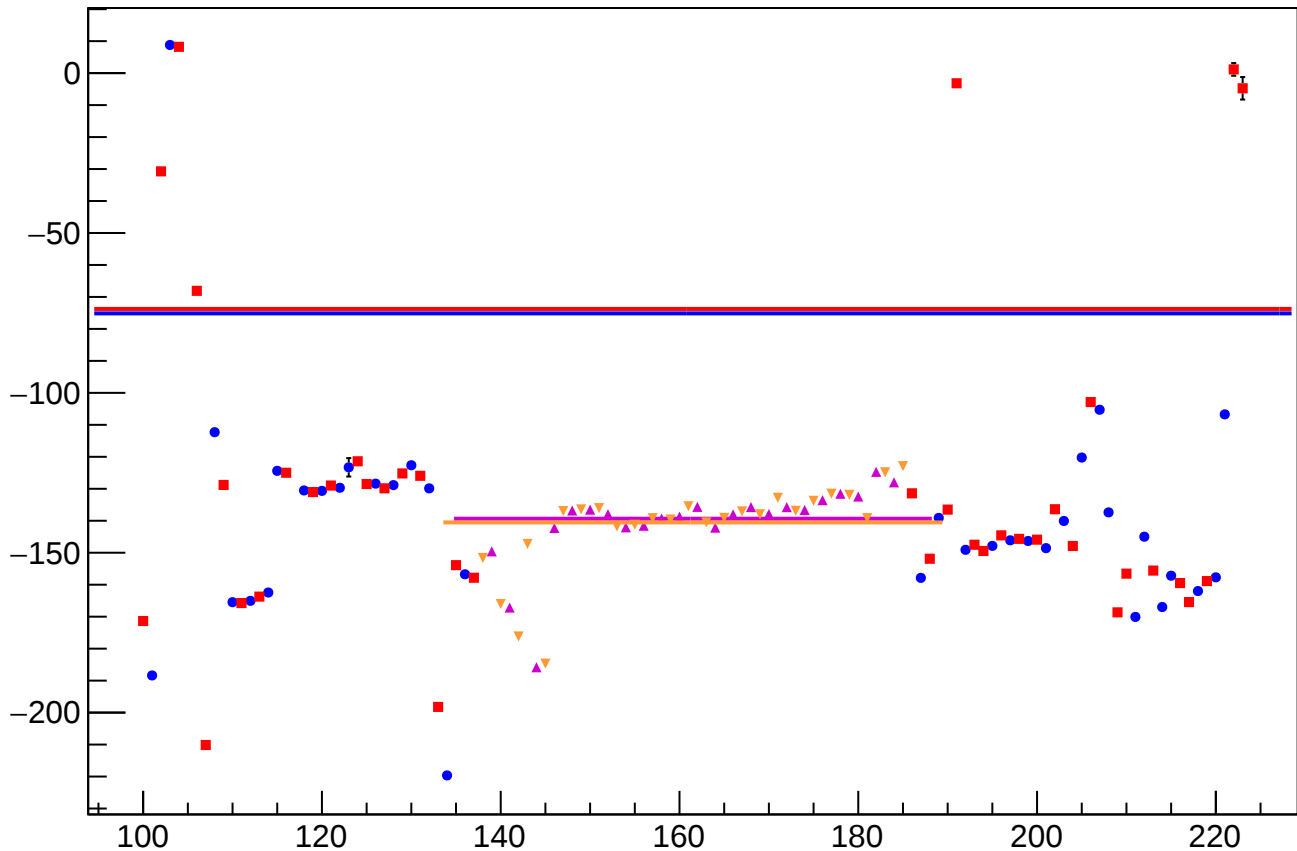
Left In: 63.999 $\pm$ 0.963 χ^2/NDF :799.5/22

+ sign 60.036 $\pm$ 0.791 χ^2/NDF : 2236.5/59

All: 57.657 $\pm$ 0.560 χ^2/NDF : 4281.1/121

- sign 55.262 $\pm$ 0.794 χ^2/NDF : 2026.5/61

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -75.144 ± 0.061 $\chi^2/\text{NDF}: 1634435.7/34$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -73.748 ± 0.060 $\chi^2/\text{NDF}: 1467786.3/38$

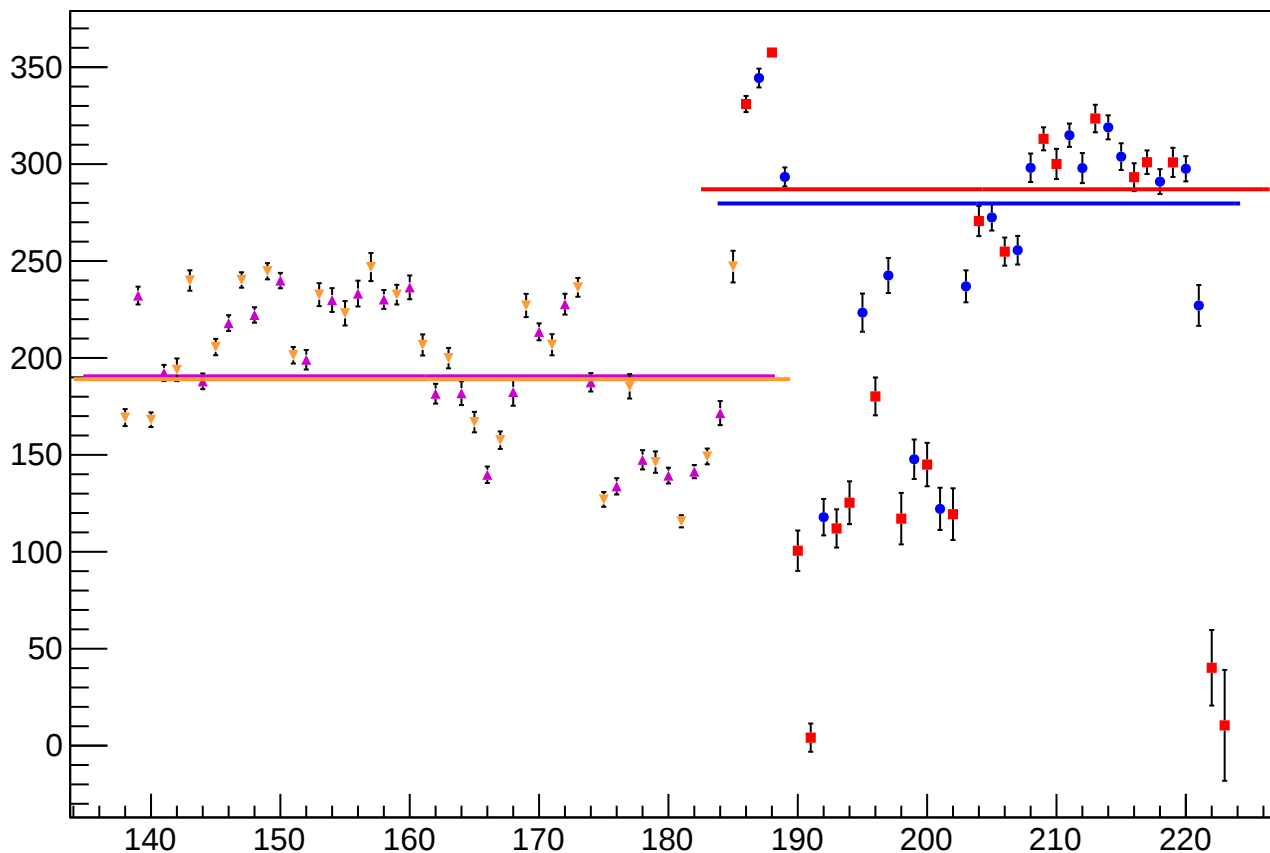
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -117.814 ± 0.036 $\chi^2/\text{NDF}: 2459700.5/59$

All: -116.704 ± 0.025 $\chi^2/\text{NDF}: 4761422.6/12$

- sign -115.598 ± 0.036 $\chi^2/\text{NDF}: 2299823.5/61$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 279.695 ± 1.672 $\chi^2/\text{NDF}: 1083.2/17$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 287.007 ± 1.471 $\chi^2/\text{NDF}: 4203.6/19$

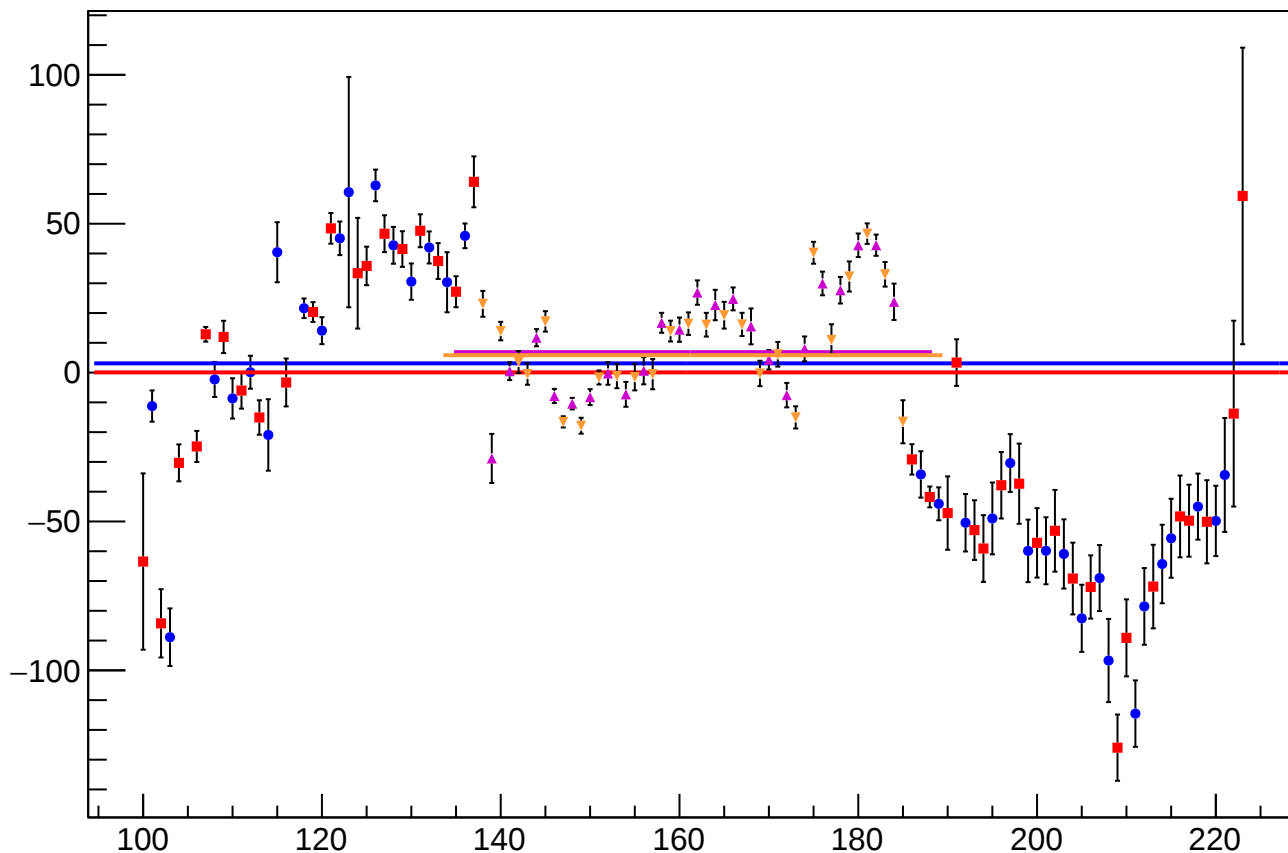
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 211.362 ± 0.830 $\chi^2/\text{NDF}: 5280.0/42$

All: 215.751 ± 0.581 $\chi^2/\text{NDF}: 13940.7/85$

- sign 219.961 ± 0.813 $\chi^2/\text{NDF}: 8605.8/42$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 3.099 ± 1.214 χ^2/NDF : 1214.6/34

Left Out: 5.834 ± 0.712 χ^2/NDF : 652.2/24

Right Out: 0.065 ± 1.052 χ^2/NDF : 1234.6/38

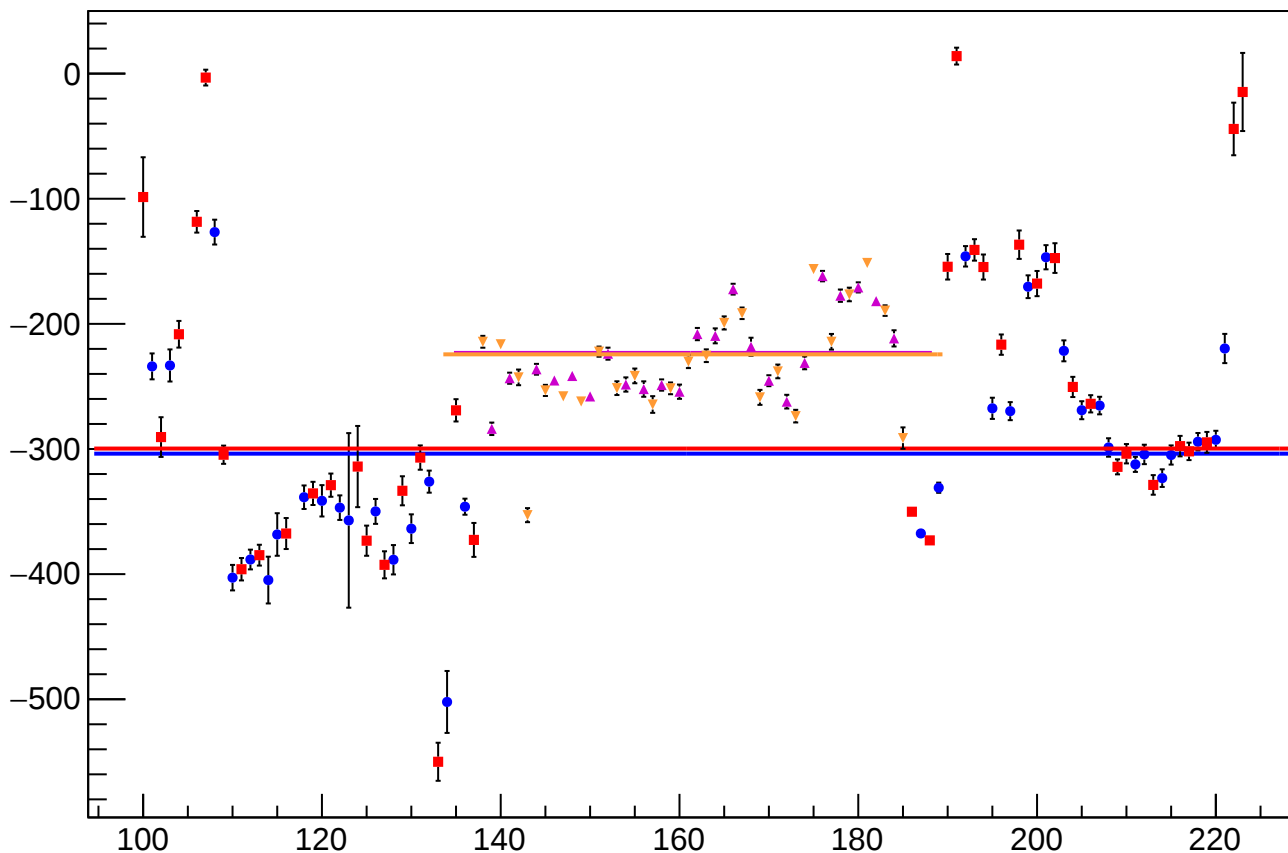
Left In: 6.862 ± 0.736 χ^2/NDF : 522.7/22

+ sign 5.134 ± 0.615 χ^2/NDF : 1870.7/59

All: 4.876 ± 0.430 χ^2/NDF : 3656.3/121

- sign 4.628 ± 0.603 χ^2/NDF : 1785.3/61

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -303.728 ± 1.355 $\chi^2/\text{NDF}: 2315.0/34$

Left Out: -224.364 ± 0.956 $\chi^2/\text{NDF}: 2103.2/24$

Right Out: -299.653 ± 1.141 $\chi^2/\text{NDF}: 8910.3/38$

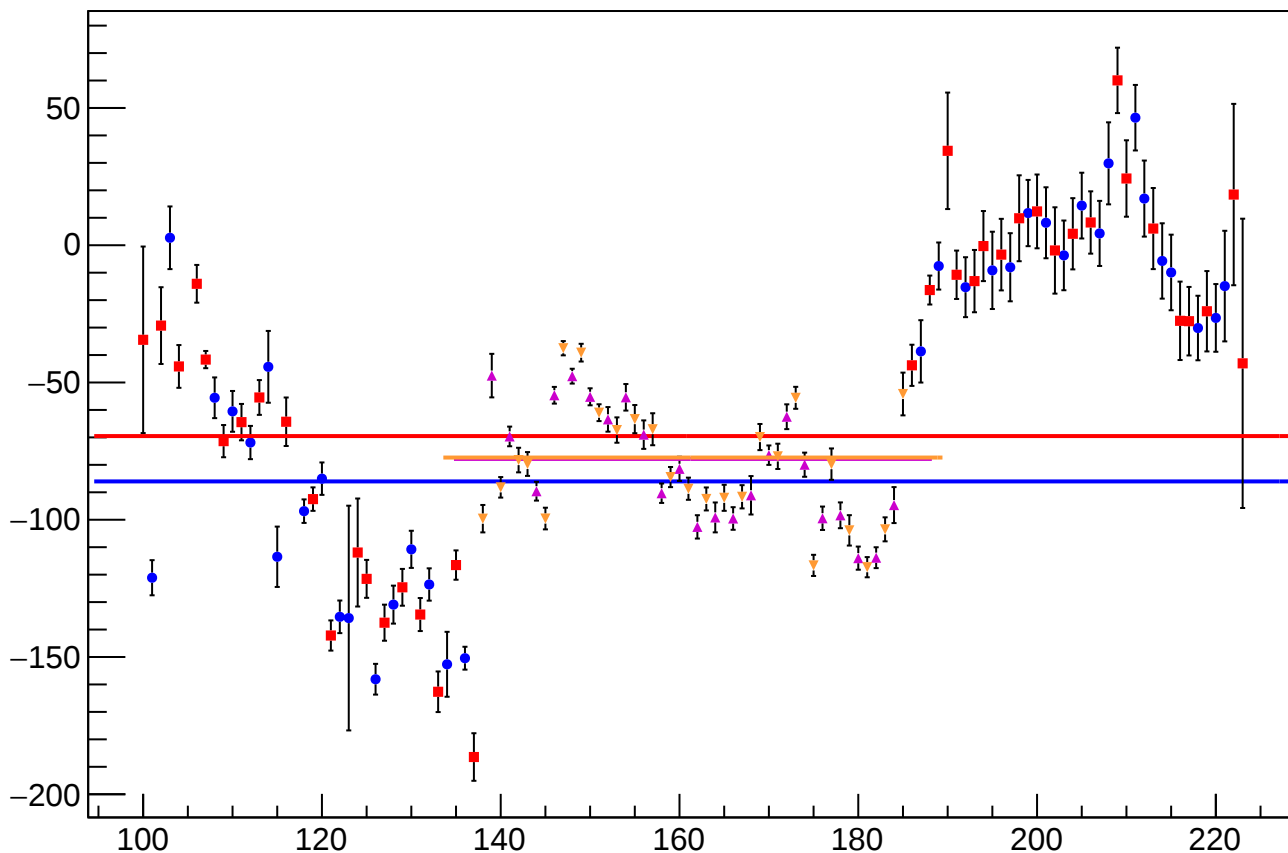
Left In: -223.223 ± 0.969 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -250.741 ± 0.781 $\chi^2/\text{NDF}: 6708.7/59$

All: -253.126 ± 0.537 $\chi^2/\text{NDF}: 19512.6/121$

- sign -255.258 ± 0.739 $\chi^2/\text{NDF}: 12786.2/61$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -86.037 $\pm$ 1.403 χ^2/NDF : 1614.1/34

Left Out: -77.343 $\pm$ 0.827 χ^2/NDF :846.2/24

Right Out: -69.521 $\pm$ 1.254 χ^2/NDF : 1793.2/38

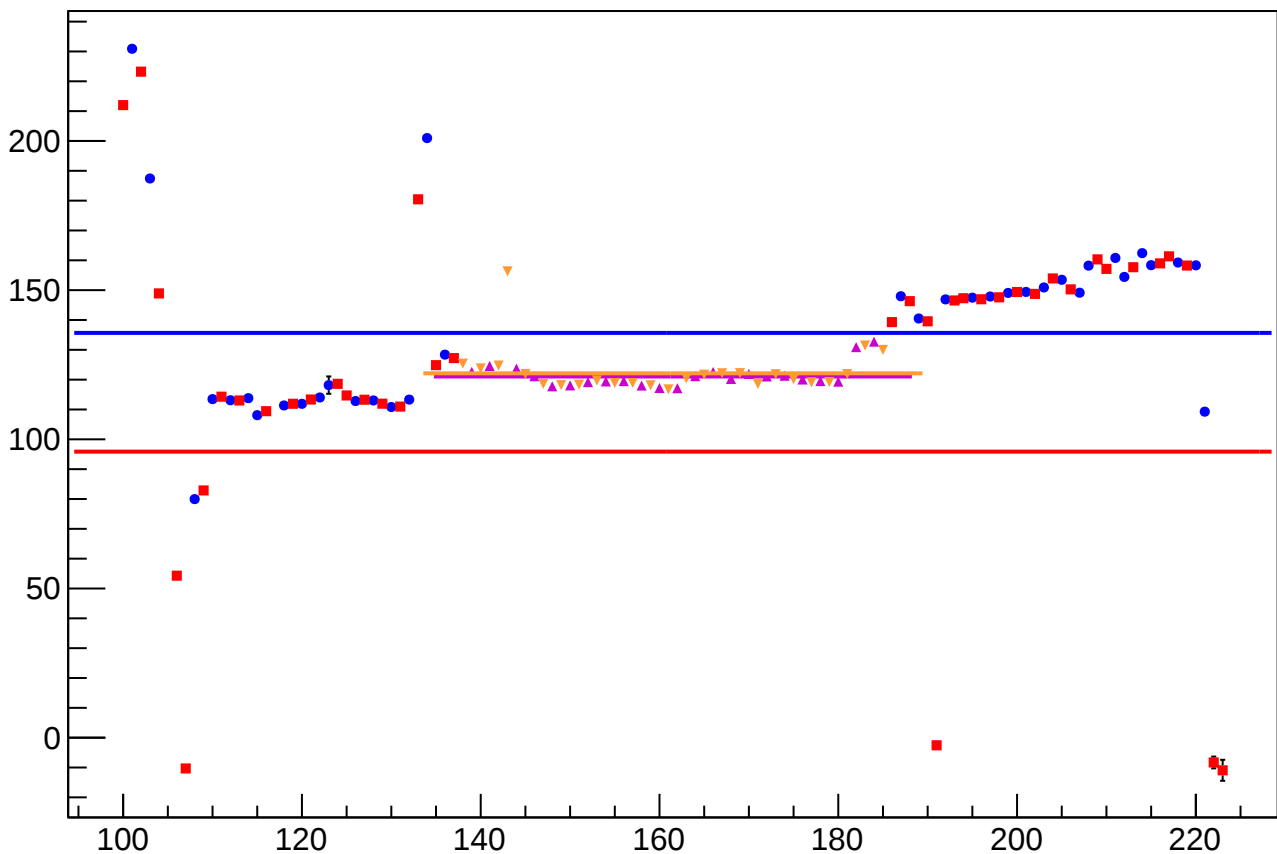
Left In: -77.838 $\pm$ 0.849 χ^2/NDF :622.8/22

+ sign -79.584 $\pm$ 0.712 χ^2/NDF : 2488.9/59

All: -77.377 $\pm$ 0.500 χ^2/NDF : 4954.0/121

- sign -75.226 $\pm$ 0.703 χ^2/NDF : 2446.1/61

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 135.675 $\pm$ 0.071 χ^2 /NDF: 214403.8/34

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF: 30480.7/24

Right Out: 95.873 $\pm$ 0.061 χ^2 /NDF: 1184128.9/38

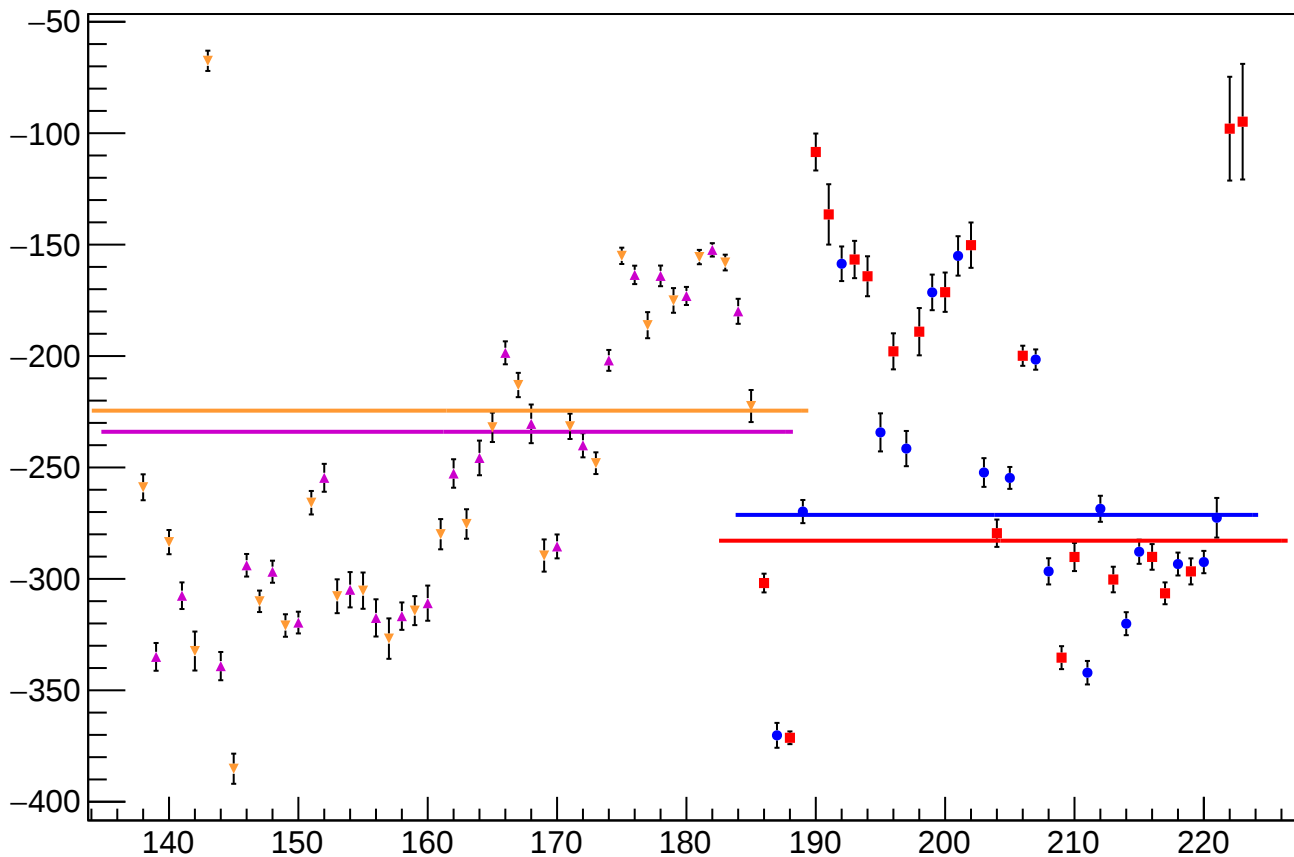
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 125.292 $\pm$ 0.034 χ^2 /NDF: 272577.9/59

All: 119.203 $\pm$ 0.024 χ^2 /NDF: 1644732.3/123

- sign 113.536 $\pm$ 0.033 χ^2 /NDF: 1311985.5/61

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -271.279 ± 1.395 $\chi^2/\text{NDF}: 1475.1/17$

Left Out: -224.501 ± 1.079 $\chi^2/\text{NDF}: 4870.6/24$

Right Out: -282.859 ± 1.353 $\chi^2/\text{NDF}: 3060.3/19$

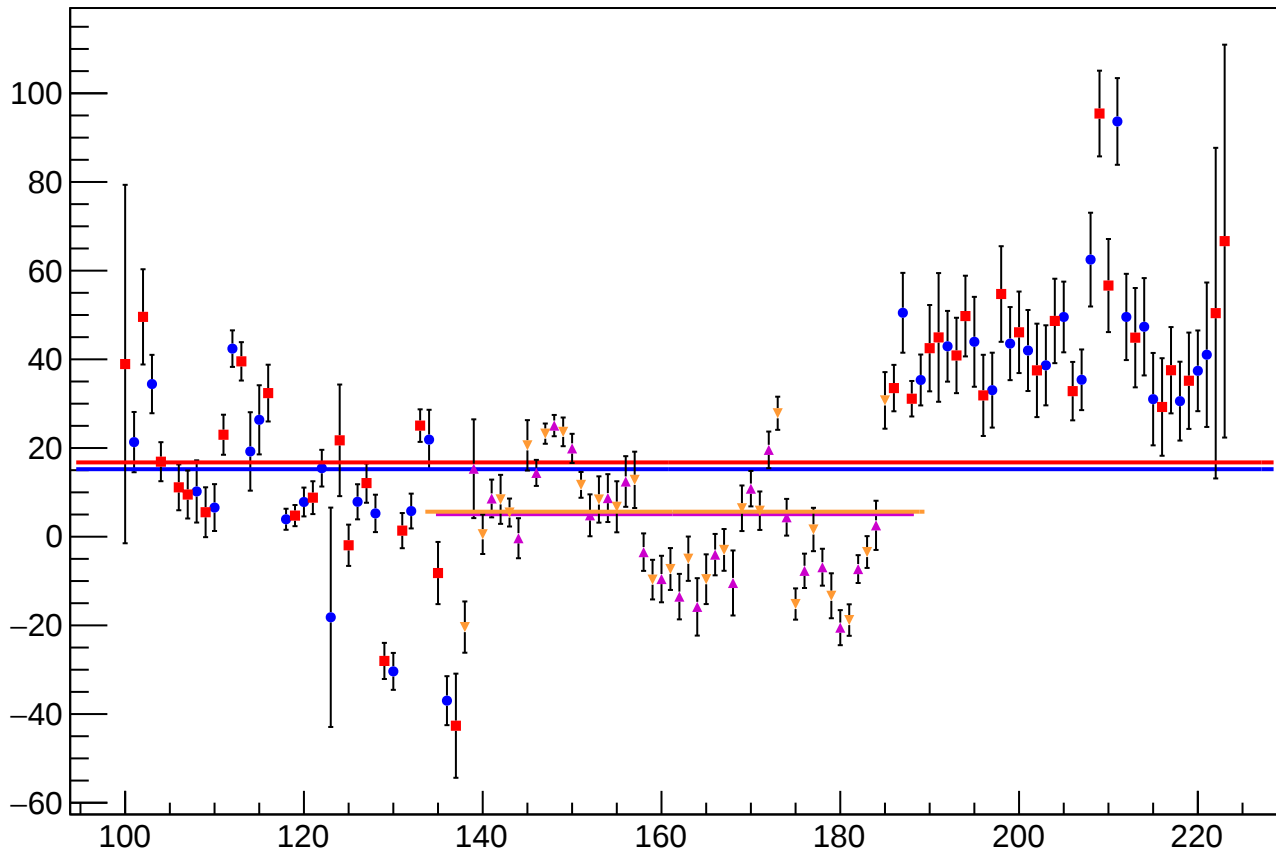
Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -242.010 ± 0.854 $\chi^2/\text{NDF}: 7049.2/42$

All: -247.783 ± 0.605 $\chi^2/\text{NDF}: 14520.2/85$

- sign -253.611 ± 0.858 $\chi^2/\text{NDF}: 7379.1/42$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.224 $\pm$ 0.975 χ^2 /NDF: 538.7/34

Left Out: 5.638 $\pm$ 0.828 χ^2 /NDF: 313.6/24

Right Out: 16.754 $\pm$ 0.936 χ^2 /NDF: 478.3/38

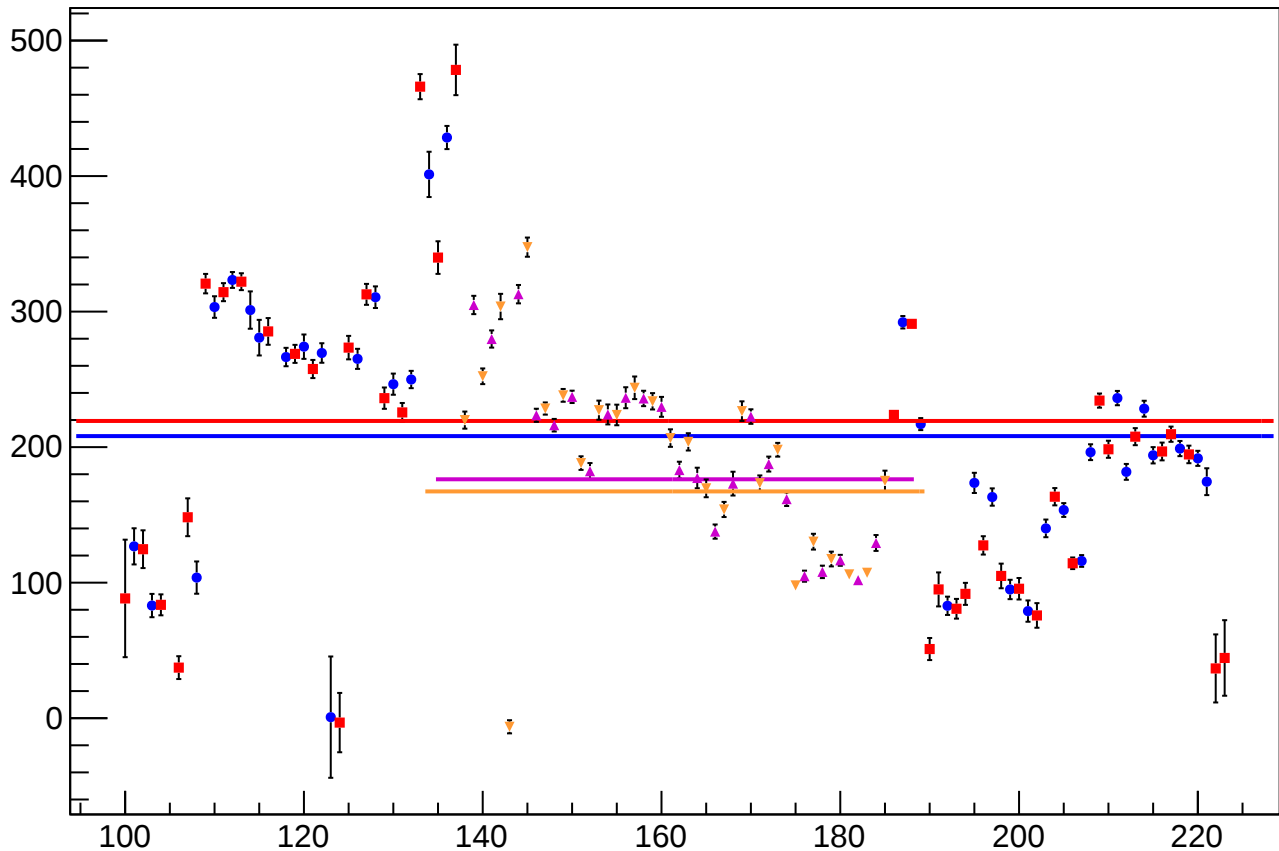
Left In: 5.077 $\pm$ 0.869 χ^2 /NDF: 239.7/22

+ sign 9.656 $\pm$ 0.631 χ^2 /NDF: 908.6/59

All: 10.065 $\pm$ 0.448 χ^2 /NDF: 1710.9/121

- sign 10.481 $\pm$ 0.637 χ^2 /NDF: 801.5/61

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 208.139 $\pm$ 1.141 χ^2 /NDF: 4285.7/34

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF: 4454.5/24

Right Out: 219.314 $\pm$ 1.056 χ^2 /NDF: 6721.9/38

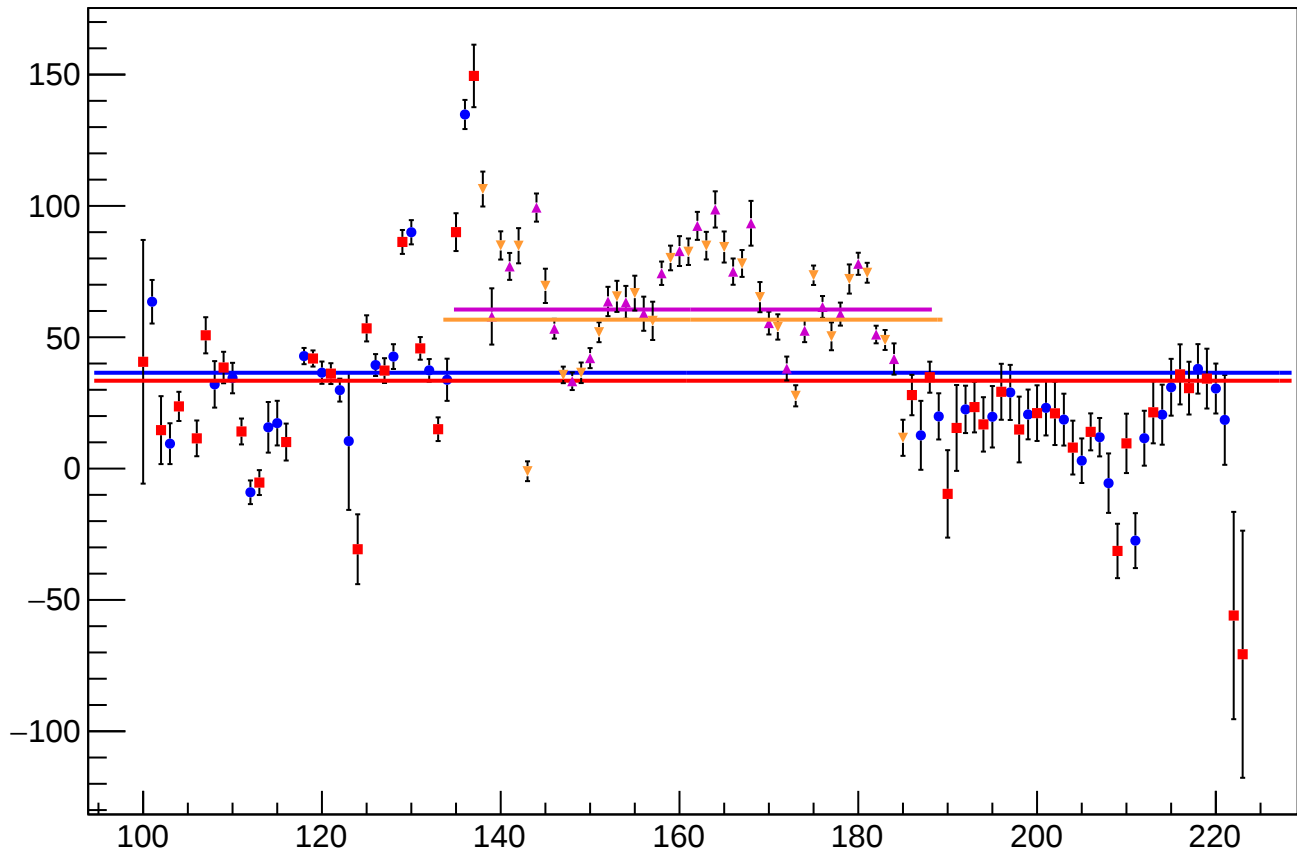
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF: 3169.5/22

+ sign 186.652 $\pm$ 0.785 χ^2 /NDF: 9413.2/59

All: 192.894 $\pm$ 0.547 χ^2 /NDF: 20220.2/121

- sign 198.791 $\pm$ 0.764 χ^2 /NDF: 10684.2/61

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 36.484 ± 1.124 $\chi^2/\text{NDF}: 700.4/34$

Left Out: 56.695 ± 0.952 $\chi^2/\text{NDF}: 690.4/24$

Right Out: 33.447 ± 1.092 $\chi^2/\text{NDF}: 565.7/38$

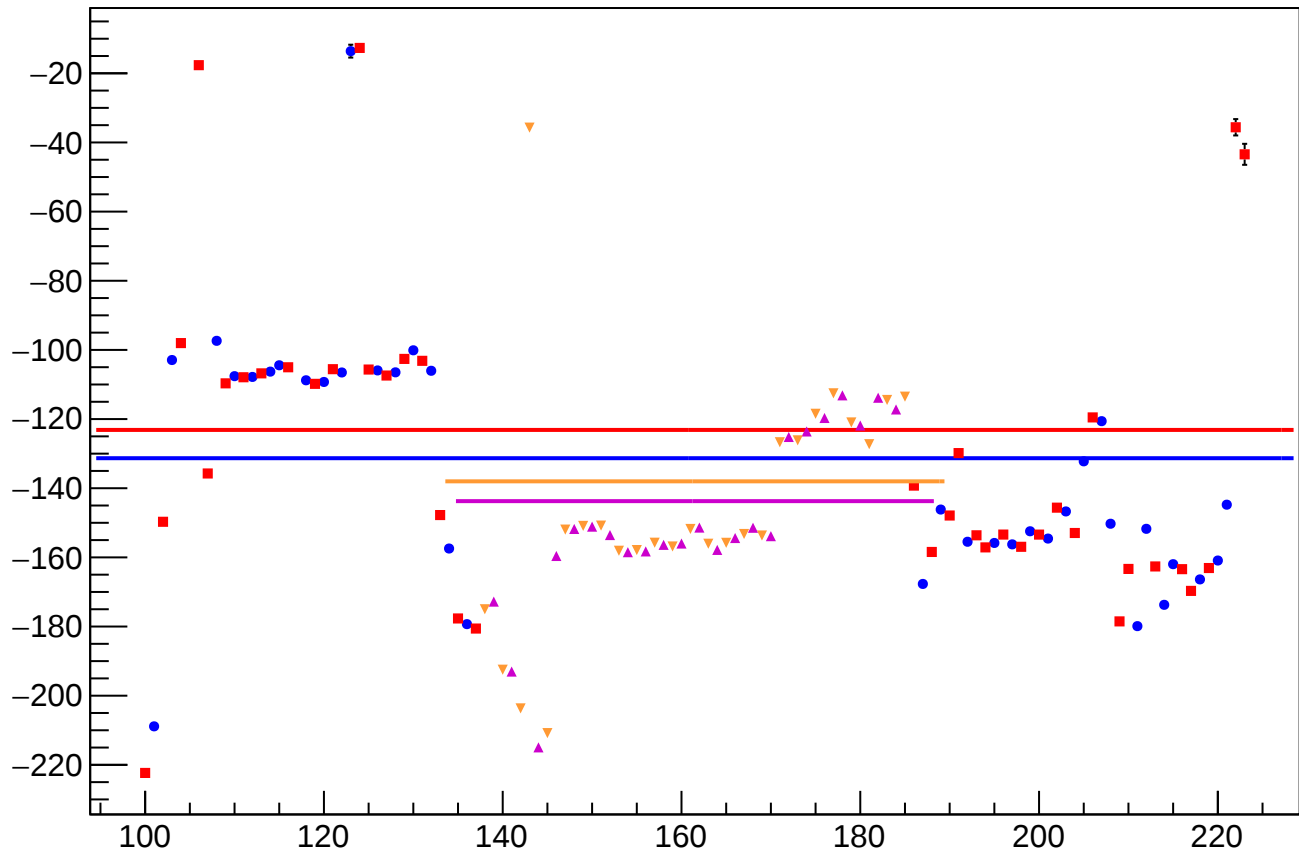
Left In: 60.555 ± 0.990 $\chi^2/\text{NDF}: 335.6/22$

+ sign 48.251 ± 0.726 $\chi^2/\text{NDF}: 1579.2/59$

All: 48.290 ± 0.516 $\chi^2/\text{NDF}: 2818.6/121$

- sign 48.329 ± 0.734 $\chi^2/\text{NDF}: 1239.4/61$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -131.317 ± 0.060 $\chi^2/\text{NDF}: 236616.6/34$

Left Out: -138.008 ± 0.045 $\chi^2/\text{NDF}: 565767.2/24$

Right Out: -123.138 ± 0.057 $\chi^2/\text{NDF}: 496221.4/38$

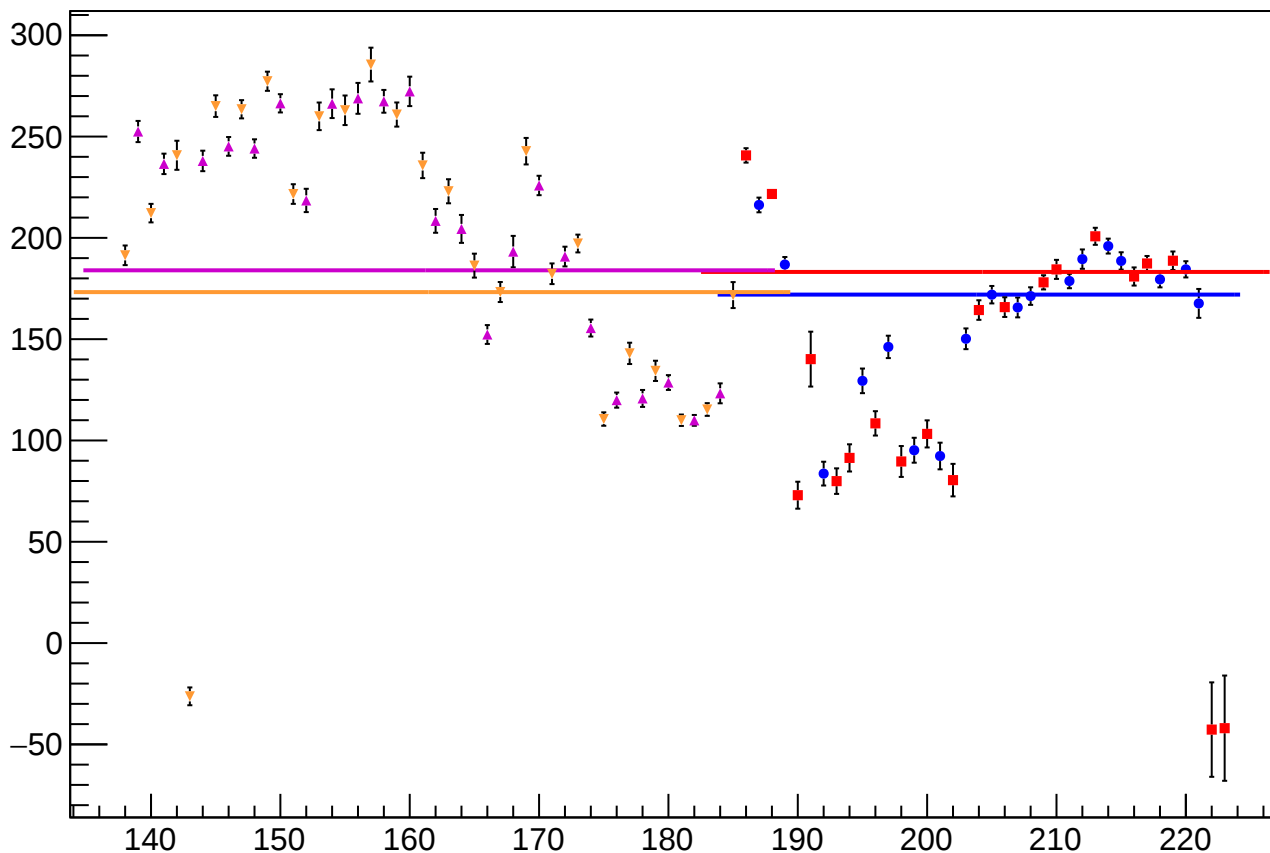
Left In: -143.735 ± 0.046 $\chi^2/\text{NDF}: 258408.3/22$

+ sign -135.591 ± 0.036 $\chi^2/\text{NDF}: 810325.7/59$

All: -135.589 ± 0.025 $\chi^2/\text{NDF}: 1643928.6/12$

- sign -135.587 ± 0.036 $\chi^2/\text{NDF}: 833602.9/61$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 172.002 ± 1.072 $\chi^2/\text{NDF}: 872.7/17$

Left Out: 173.229 ± 0.966 $\chi^2/\text{NDF}: 5846.0/24$

Right Out: 183.185 ± 1.016 $\chi^2/\text{NDF}: 2258.6/19$

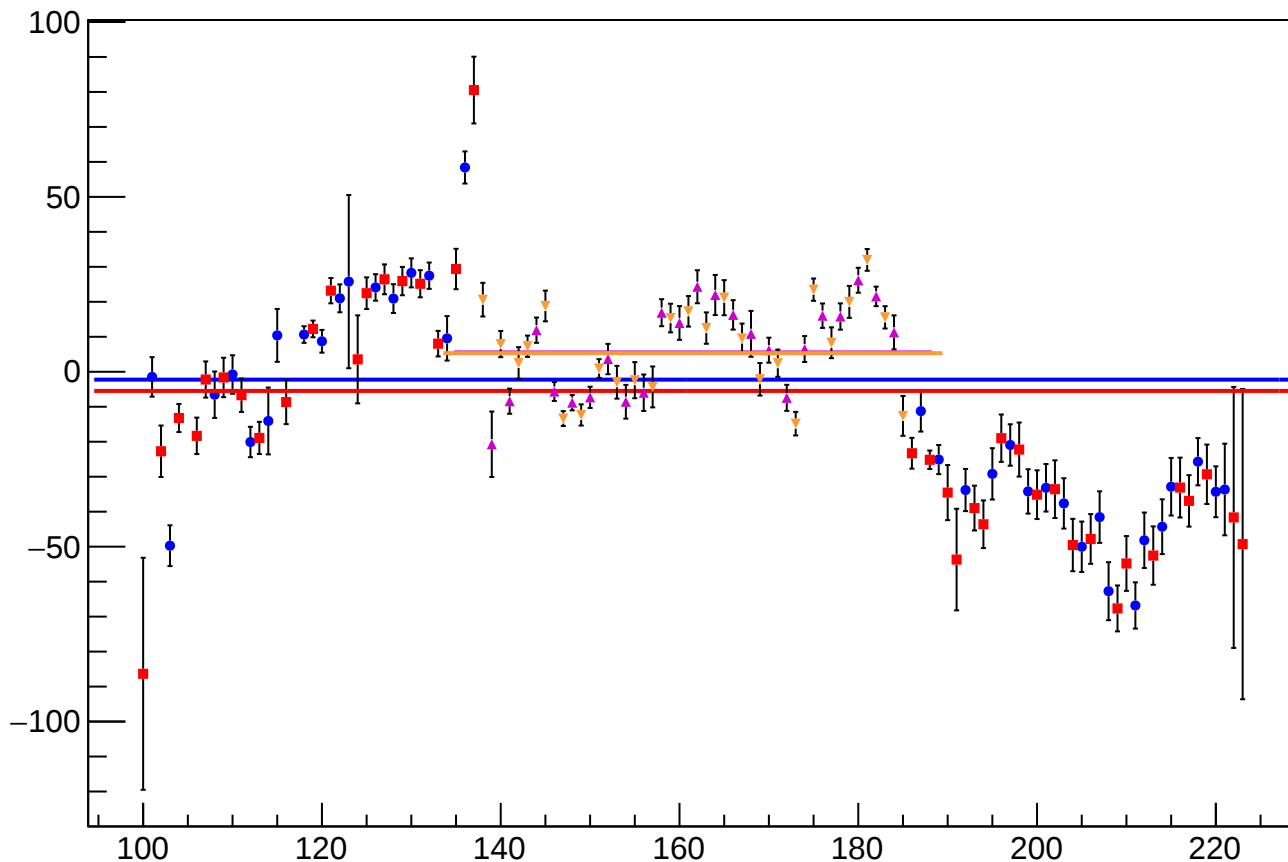
Left In: 183.984 ± 0.991 $\chi^2/\text{NDF}: 3613.7/22$

+ sign 172.679 ± 0.717 $\chi^2/\text{NDF}: 6719.4/42$

All: 178.197 ± 0.504 $\chi^2/\text{NDF}: 12709.0/85$

- sign 183.595 ± 0.710 $\chi^2/\text{NDF}: 5872.6/42$

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.248 ± 0.891 χ^2/NDF : 1026.4/34

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -5.478 ± 0.850 χ^2/NDF : 960.4/38

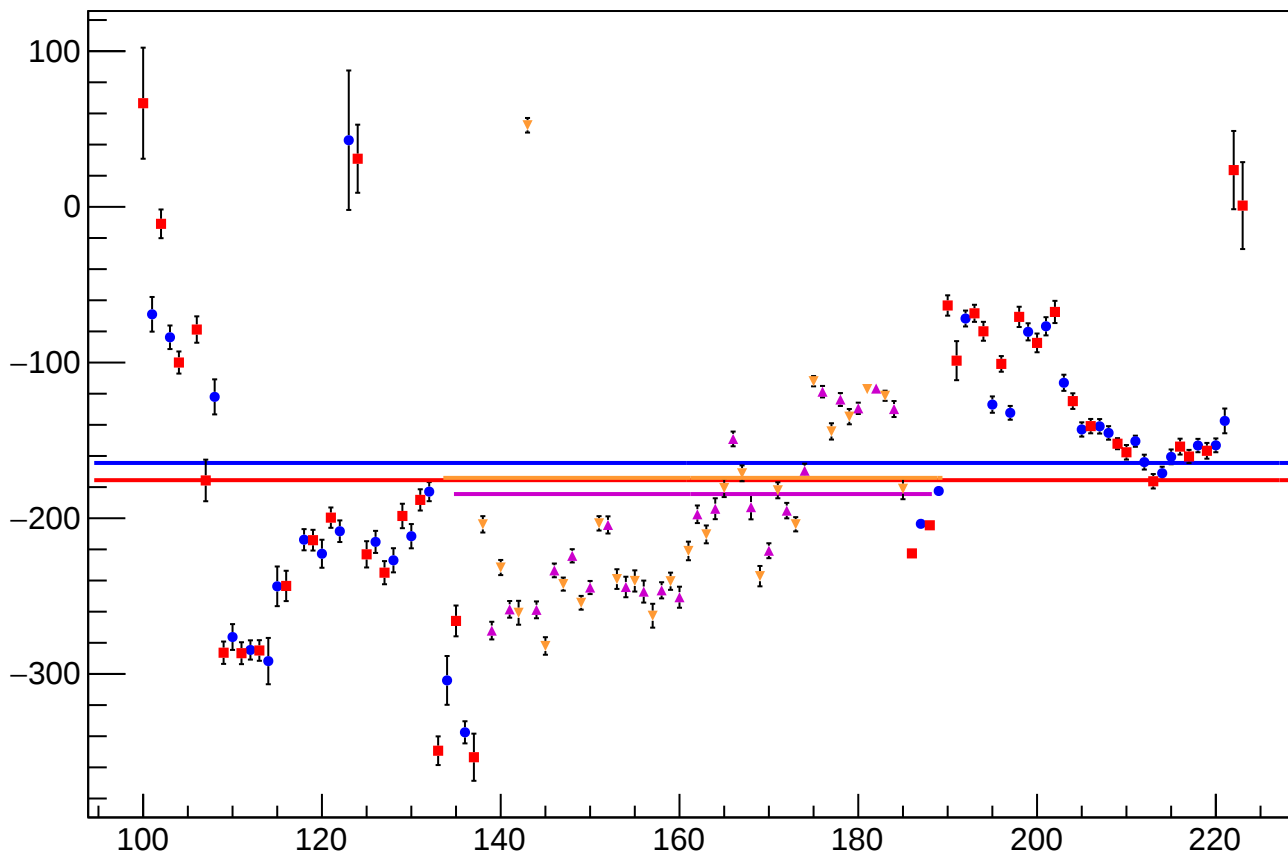
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 2.196 ± 0.573 χ^2/NDF : 1414.3/59

All: 1.348 ± 0.406 χ^2/NDF : 2726.3/121

- sign 0.491 ± 0.575 χ^2/NDF : 1307.5/61

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -164.484 ± 0.923 χ^2/NDF : 3170.3/34

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -175.539 ± 0.835 χ^2/NDF : 5137.6/38

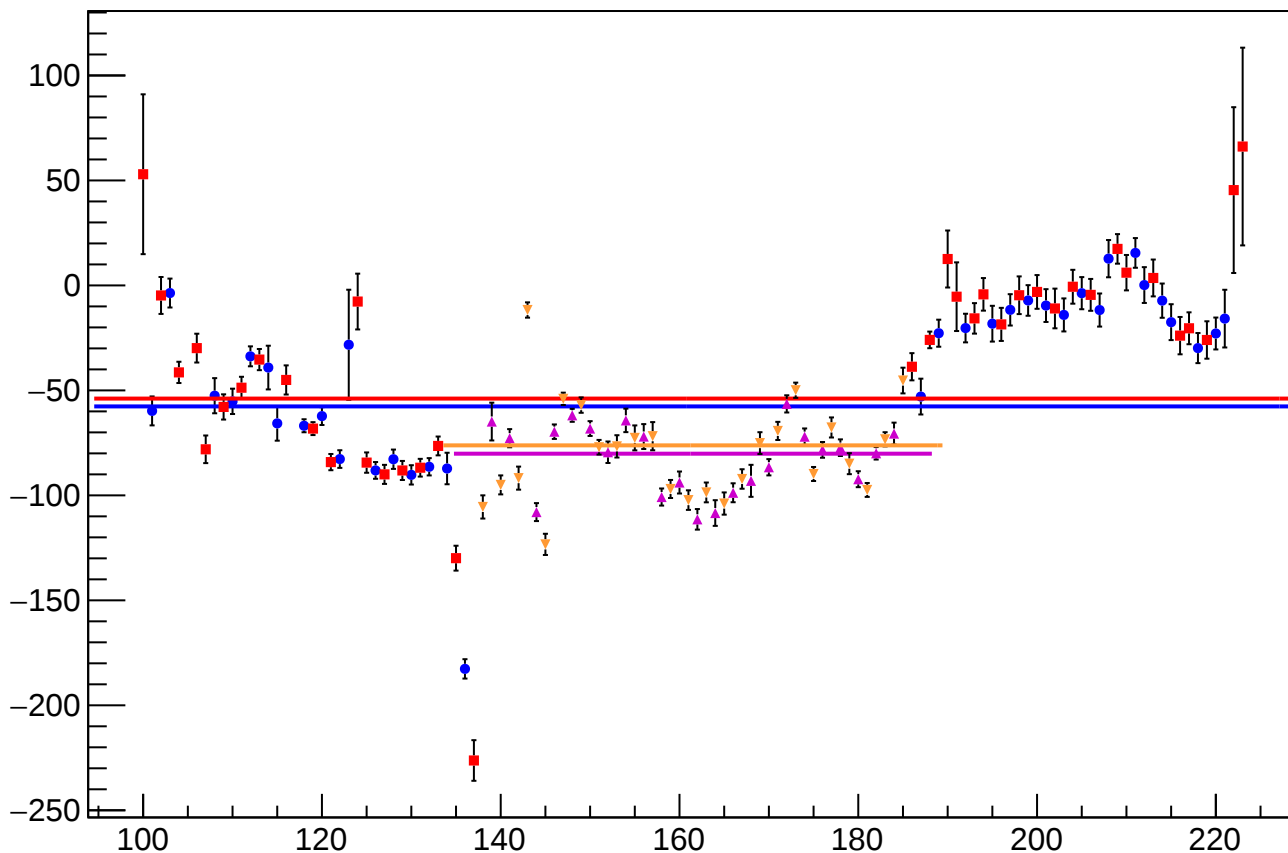
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -169.029 ± 0.669 χ^2/NDF : 8664.6/59

All: -174.373 ± 0.462 χ^2/NDF : 17023.2/121

- sign -179.246 ± 0.639 χ^2/NDF : 8236.5/61

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -57.630 ± 1.029 $\chi^2/\text{NDF}: 1716.0/34$

Left Out: -76.182 ± 0.857 $\chi^2/\text{NDF}: 801.0/24$

Right Out: -53.902 ± 1.002 $\chi^2/\text{NDF}: 1513.5/38$

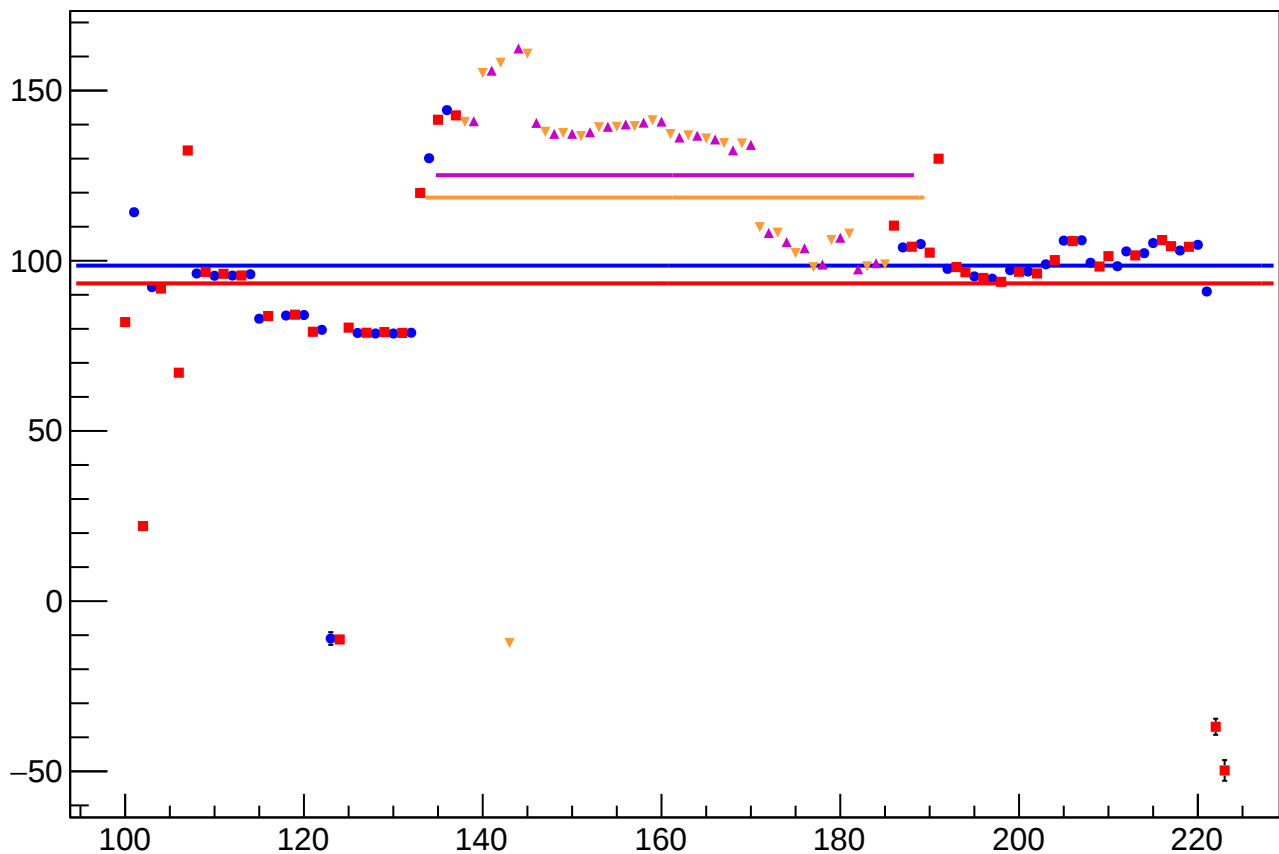
Left In: -80.149 ± 0.889 $\chi^2/\text{NDF}: 283.3/22$

+ sign -68.583 ± 0.659 $\chi^2/\text{NDF}: 2708.8/59$

All: -68.585 ± 0.468 $\chi^2/\text{NDF}: 4889.4/121$

- sign -68.588 ± 0.665 $\chi^2/\text{NDF}: 2180.6/61$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.573 ± 0.052 $\chi^2/\text{NDF}: 96907.0/34$

Left Out: 118.569 ± 0.040 $\chi^2/\text{NDF}: 728689.7/24$

Right Out: 93.357 ± 0.049 $\chi^2/\text{NDF}: 251196.6/38$

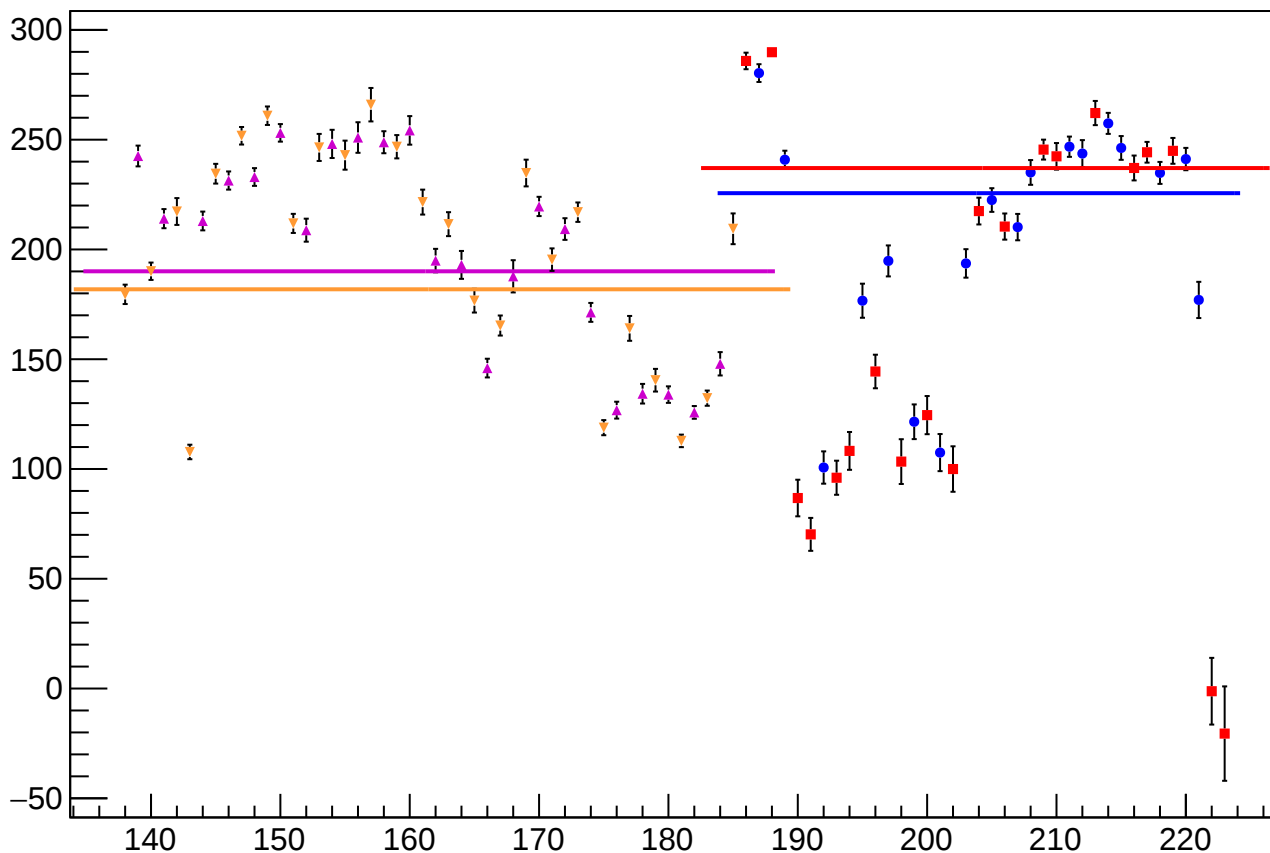
Left In: 125.139 ± 0.041 $\chi^2/\text{NDF}: 220927.1/22$

+ sign 111.027 ± 0.032 $\chi^2/\text{NDF}: 917569.7/59$

All: 111.560 ± 0.023 $\chi^2/\text{NDF}: 1633680.5/123$

- sign 112.085 ± 0.032 $\chi^2/\text{NDF}: 715558.3/61$

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 225.636 $\pm$ 1.328 χ^2 /NDF: 1082.7/17

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF:3303.4/24

Right Out: 237.074 $\pm$ 1.203 χ^2 /NDF: 3302.7/19

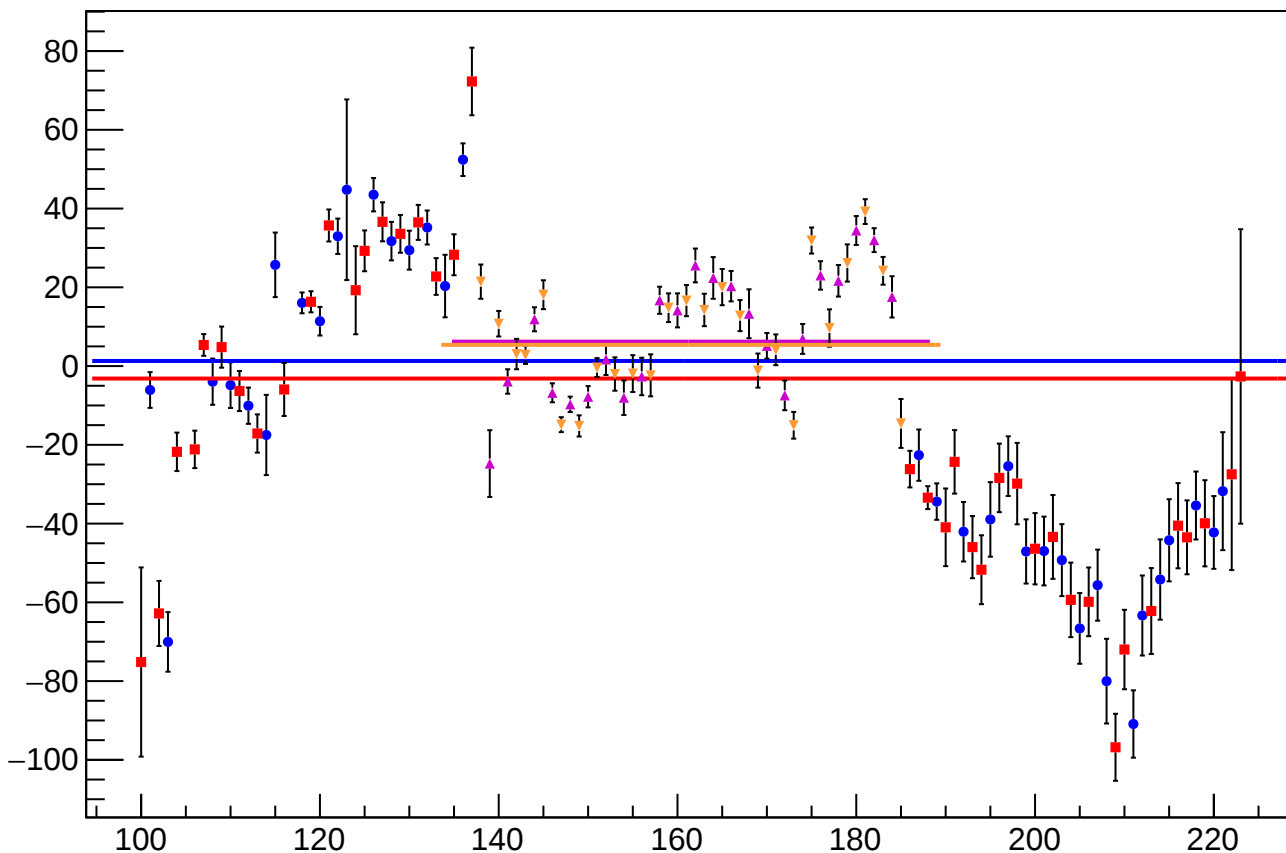
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

+ sign 195.918 $\pm$ 0.752 χ^2 /NDF: 5124.4/42

All: 202.094 $\pm$ 0.530 χ^2 /NDF: 11938.3/85

- sign 208.179 $\pm$ 0.747 χ^2 /NDF: 6680.2/42

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.296 ± 1.003 χ^2/NDF : 1231.8/34

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: -3.165 ± 0.913 χ^2/NDF : 1229.4/38

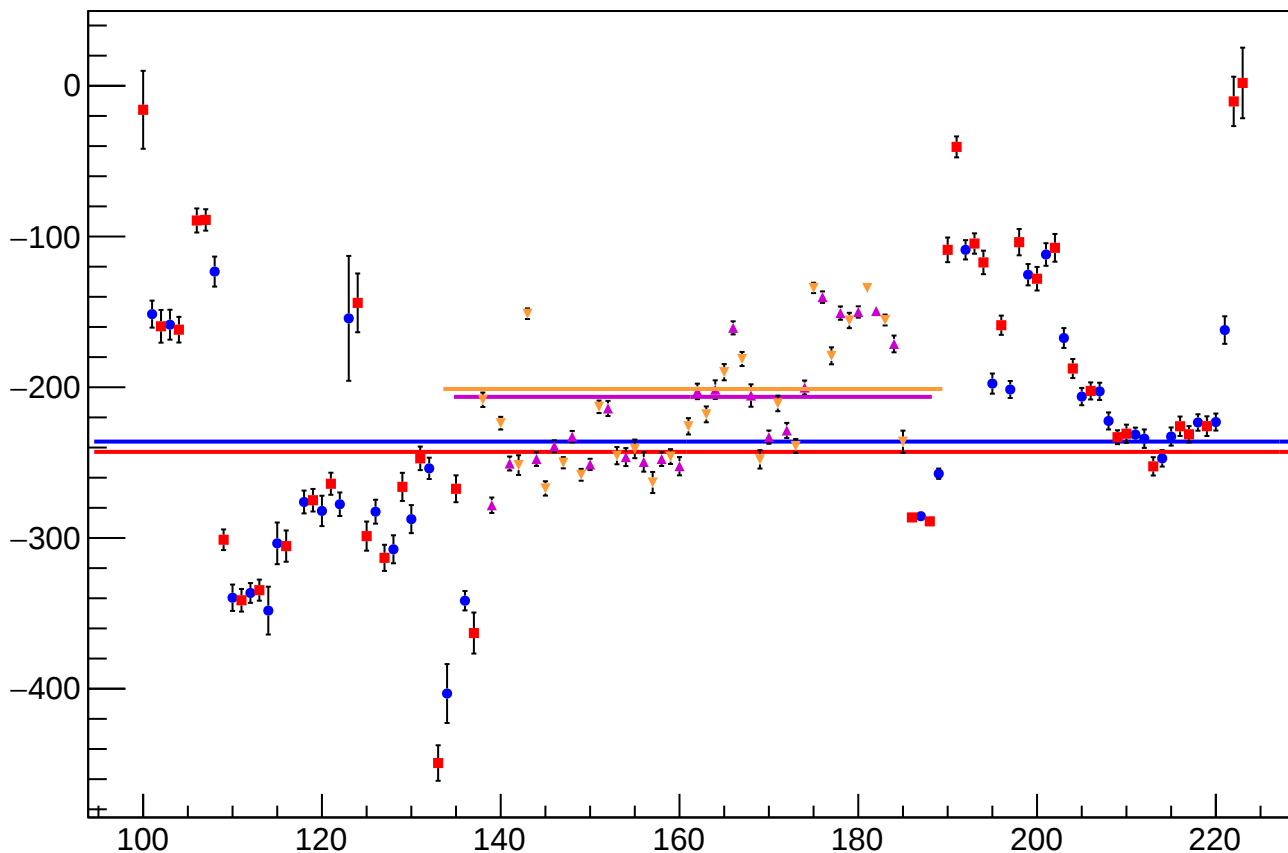
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 4.082 ± 0.567 χ^2/NDF : 1769.7/59

All: 3.316 ± 0.402 χ^2/NDF : 3474.4/121

- sign 2.541 ± 0.571 χ^2/NDF : 1701.1/61

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -236.042 ± 1.099 χ^2/NDF : 2787.1/34

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -242.883 ± 0.952 χ^2/NDF : 6172.3/38

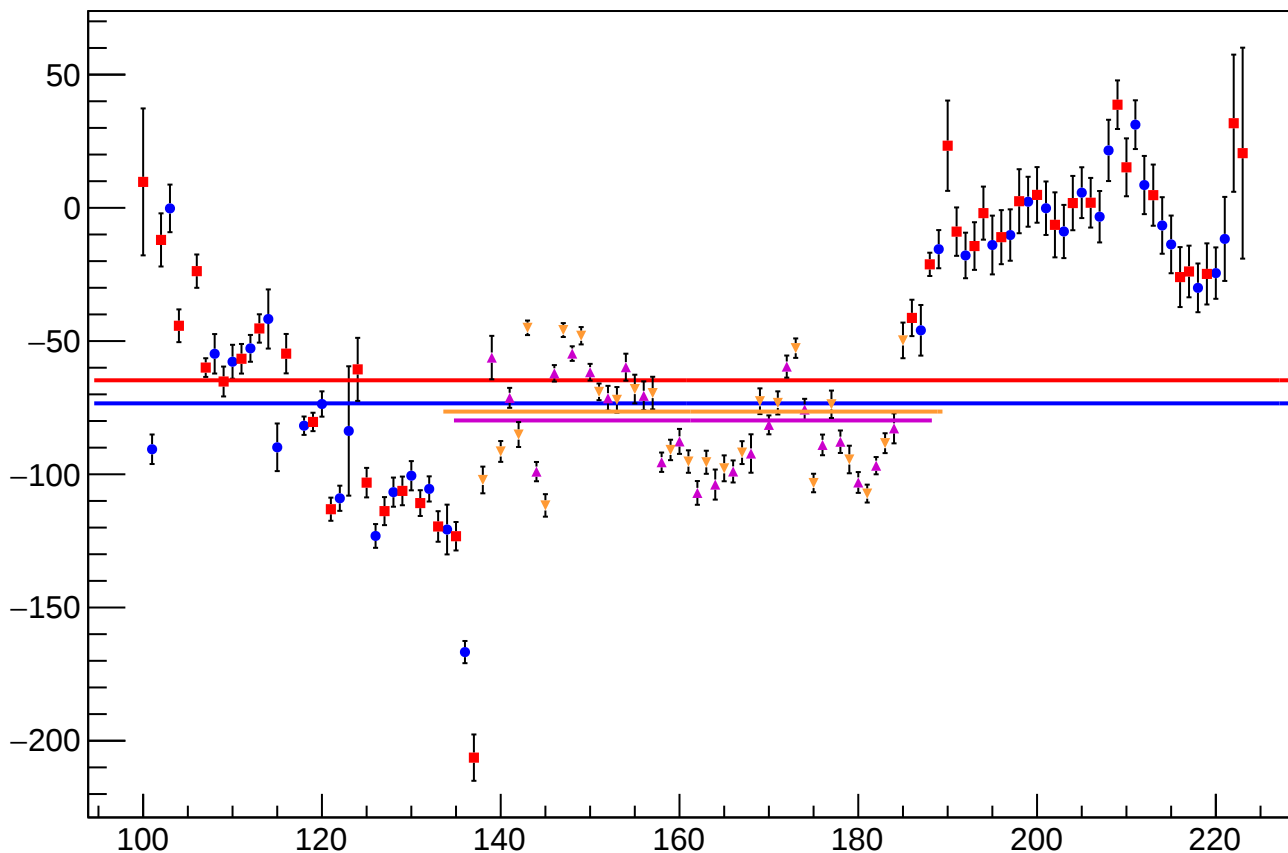
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -215.484 ± 0.704 χ^2/NDF : 5869.9/59

All: -220.242 ± 0.486 χ^2/NDF : 14977.8/121

- sign -224.578 ± 0.672 χ^2/NDF : 9020.7/61

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -73.378 ± 1.161 χ^2/NDF : 1798.5/34

Left Out: -76.460 ± 0.797 χ^2/NDF : 781.3/24

Right Out: -64.722 ± 1.083 χ^2/NDF : 1762.7/38

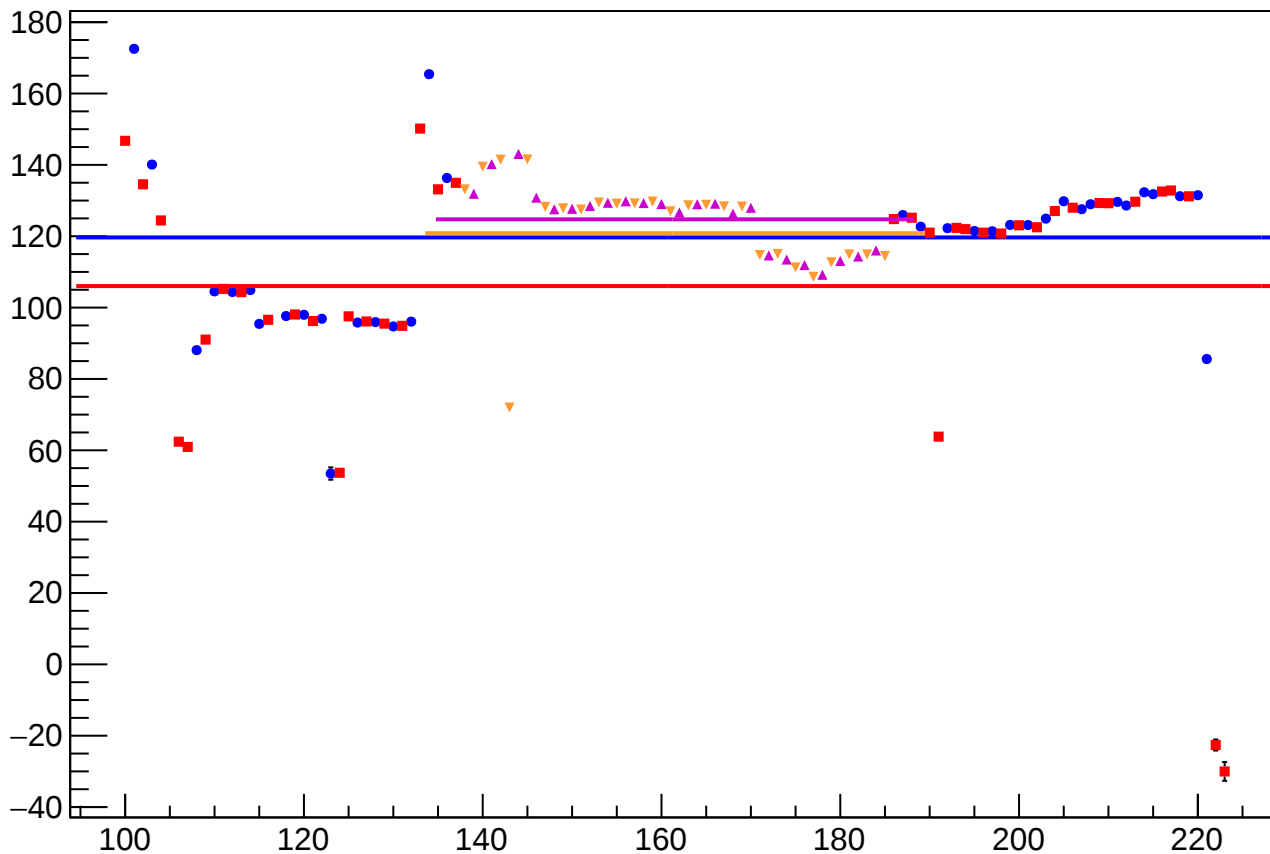
Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

+ sign -75.473 ± 0.657 χ^2/NDF : 2584.6/59

All: -74.809 ± 0.467 χ^2/NDF : 4882.7/121

- sign -74.131 ± 0.664 χ^2/NDF : 2296.0/61

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 119.665 $\pm$ 0.060 χ^2 /NDF: 114037.5/34

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF: 182759.1/24

Right Out: 106.027 $\pm$ 0.053 χ^2 /NDF: 264977.0/38

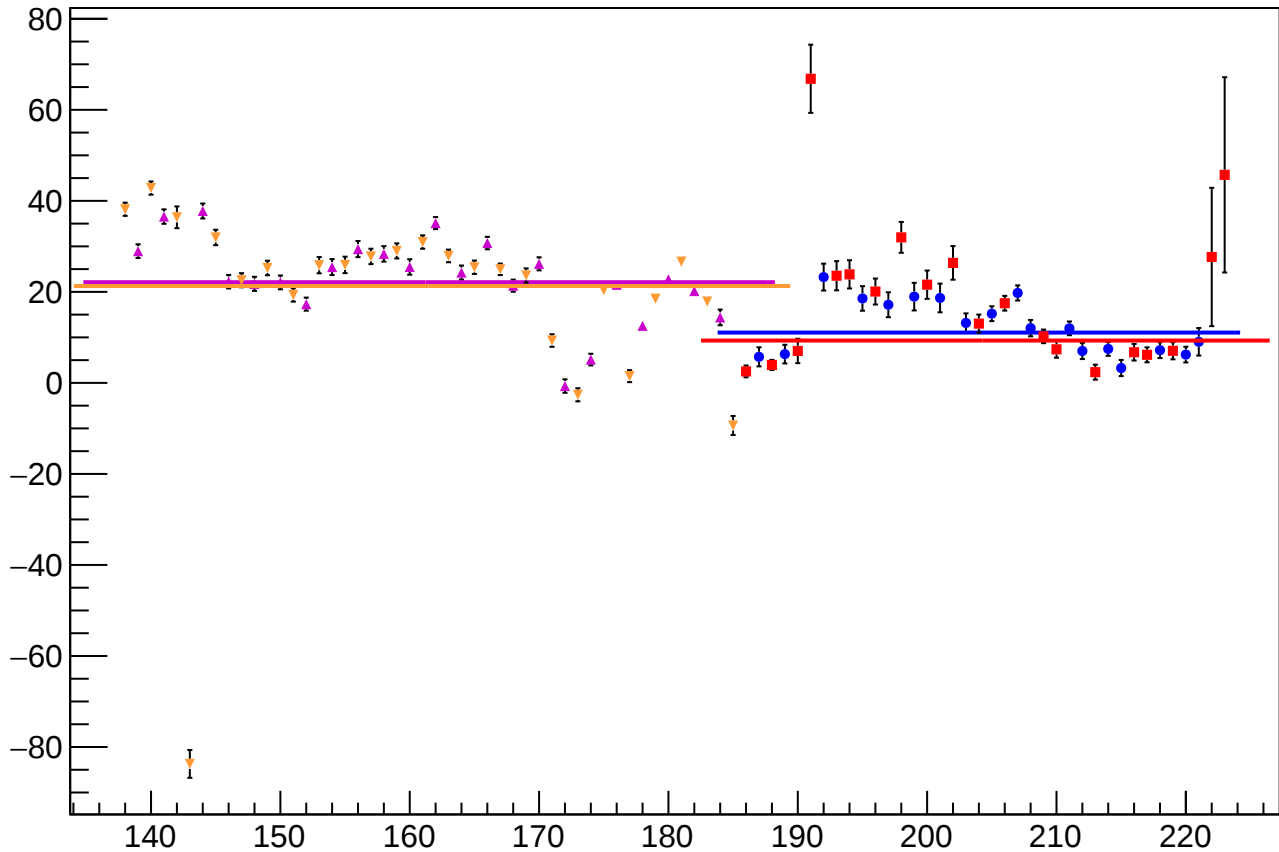
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 120.513 $\pm$ 0.032 χ^2 /NDF: 297078.0/59

All: 119.328 $\pm$ 0.023 χ^2 /NDF: 695707.0/121

- sign 118.178 $\pm$ 0.032 χ^2 /NDF: 395946.9/61

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 11.060 $\pm$ 0.466 χ^2 /NDF: 132.9/17

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF: 2600.5/24

Right Out: 9.309 $\pm$ 0.454 χ^2 /NDF: 307.6/19

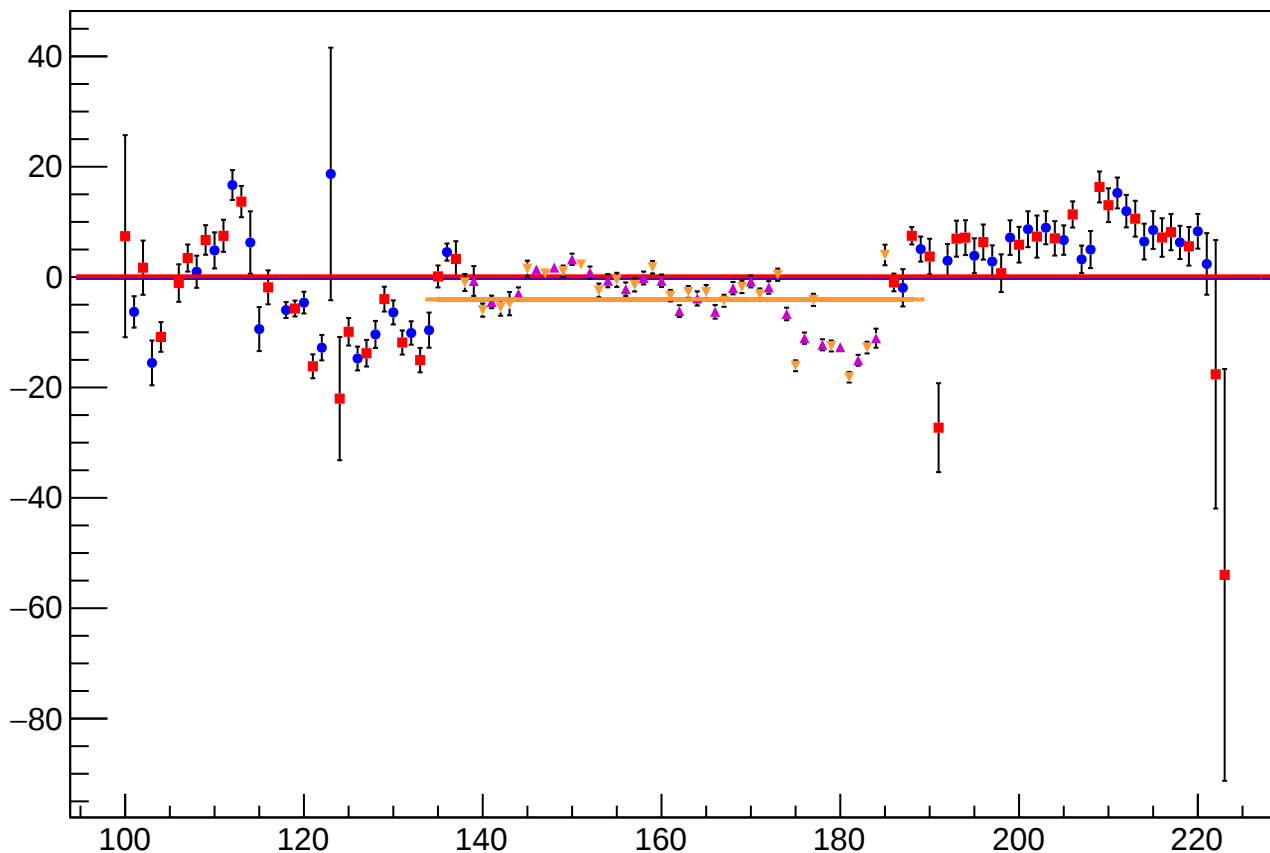
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF: 900.2/22

+ sign 18.532 $\pm$ 0.241 χ^2 /NDF: 3085.7/42

All: 18.514 $\pm$ 0.171 χ^2 /NDF: 4864.6/85

- sign 18.496 $\pm$ 0.242 χ^2 /NDF: 1778.9/42

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.145 ± 0.454 χ^2/NDF : 342.5/34

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: 0.143 ± 0.437 χ^2/NDF : 420.8/38

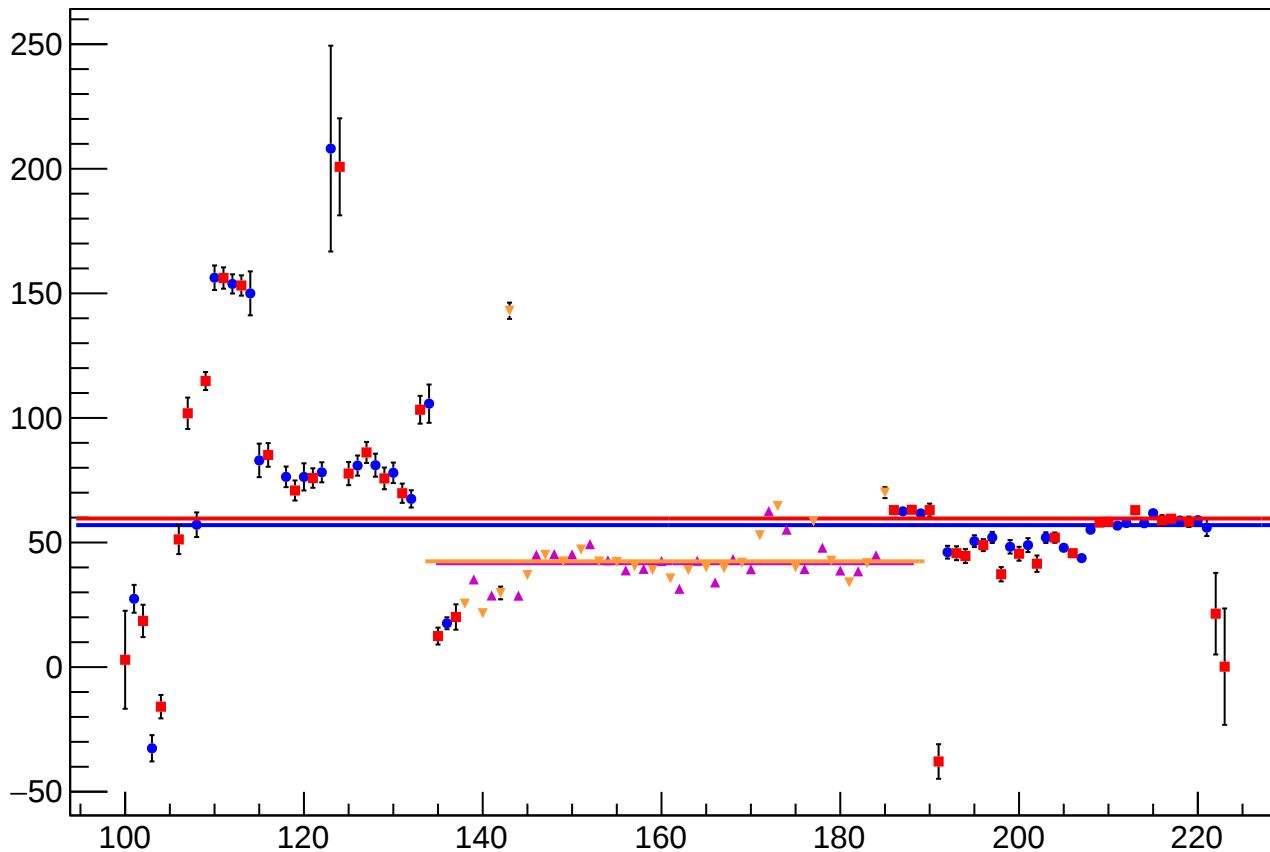
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.267 ± 0.200 χ^2/NDF : 1135.3/59

All: -3.214 ± 0.142 χ^2/NDF : 2206.1/121

- sign -3.160 ± 0.202 χ^2/NDF : 1070.6/61

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 56.985 $\pm$ 0.424 χ^2 /NDF: 2144.6/34

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 59.635 $\pm$ 0.395 χ^2 /NDF: 2645.3/38

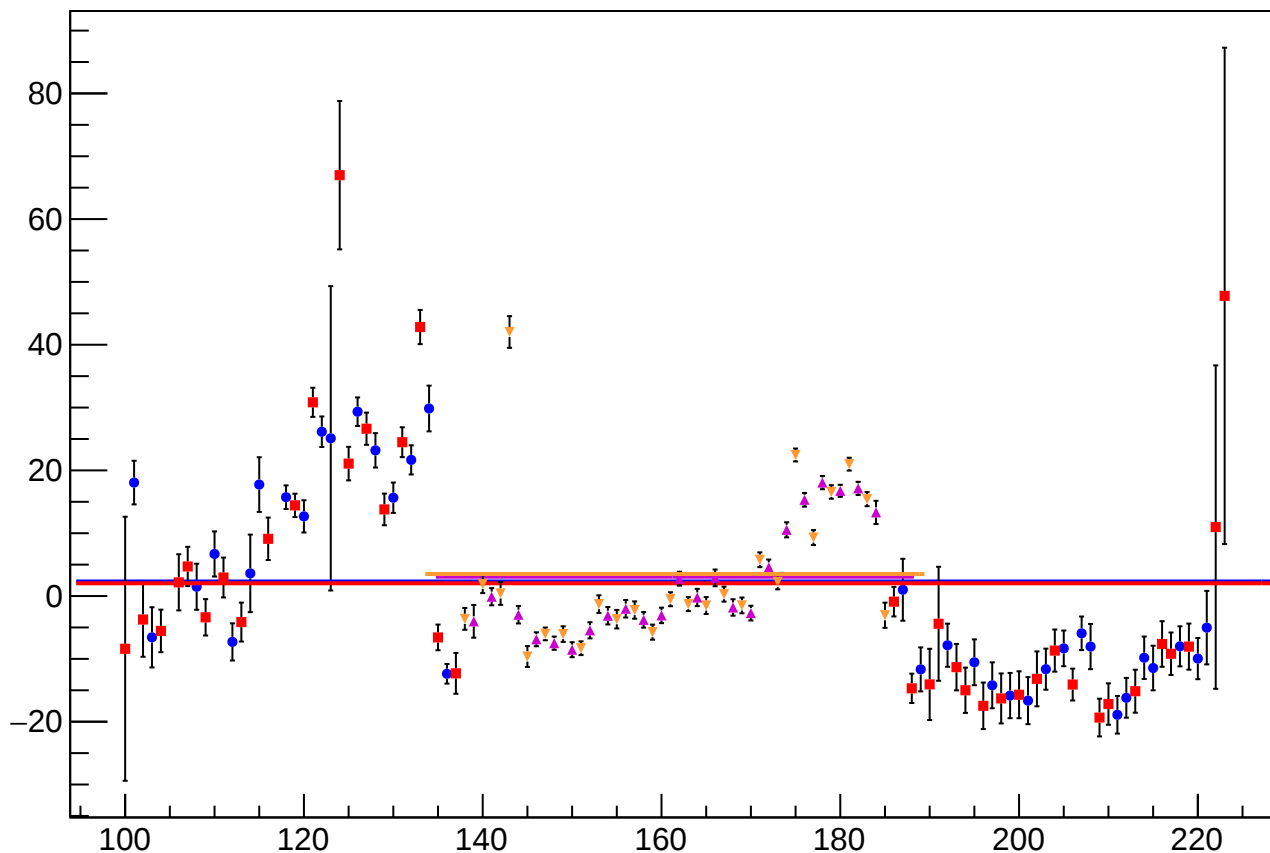
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 46.905 $\pm$ 0.235 χ^2 /NDF: 4974.9/59

All: 47.367 $\pm$ 0.165 χ^2 /NDF: 9617.4/121

- sign 47.812 $\pm$ 0.231 χ^2 /NDF: 4634.9/61

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 2.317 $\pm$ 0.514 χ^2 /NDF: 955.9/34

Left Out: 3.505 $\pm$ 0.252 χ^2 /NDF:1691.3/24

Right Out: 2.031 $\pm$ 0.510 χ^2 /NDF: 1131.9/38

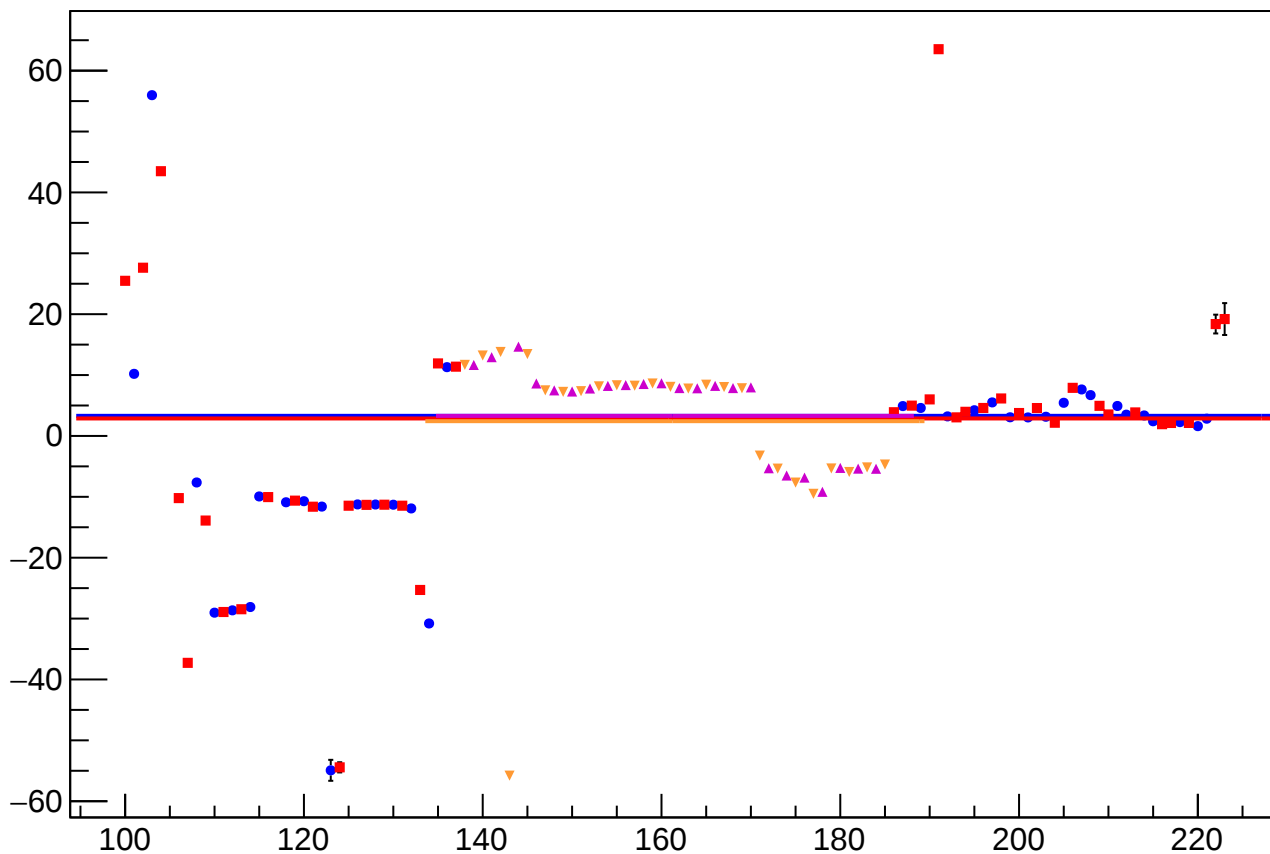
Left In: 3.081 $\pm$ 0.257 χ^2 /NDF:1265.7/22

+ sign 3.274 $\pm$ 0.227 χ^2 /NDF: 2651.5/59

All: 3.074 $\pm$ 0.161 χ^2 /NDF: 5054.1/121

- sign 2.868 $\pm$ 0.229 χ^2 /NDF: 2401.0/61

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 3.303 ± 0.024 $\chi^2/\text{NDF}: 362531.7/34$

Left Out: 2.425 ± 0.012 $\chi^2/\text{NDF}: 616382.5/24$

Right Out: 2.870 ± 0.024 $\chi^2/\text{NDF}: 434718.5/38$

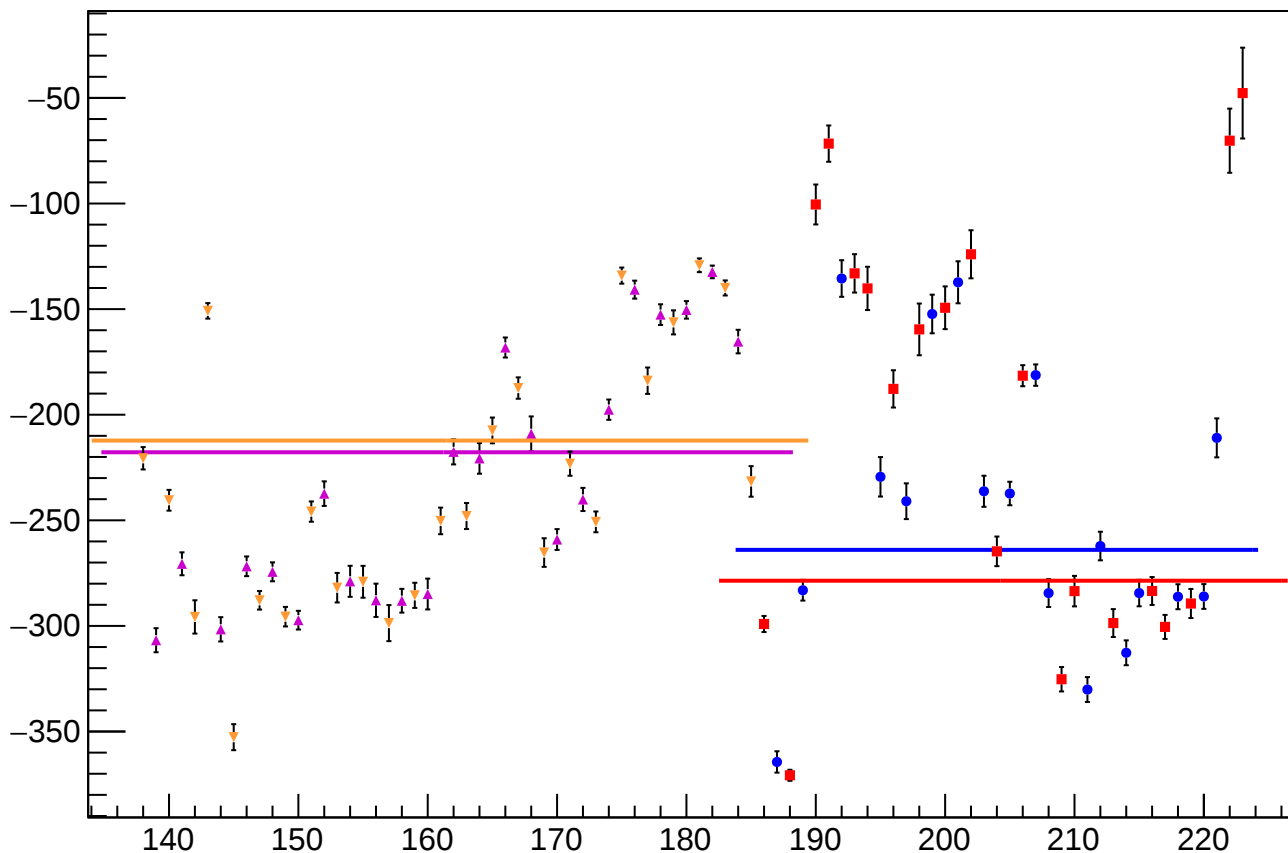
Left In: 3.293 ± 0.012 $\chi^2/\text{NDF}: 404323.8/22$

+ sign 2.587 ± 0.010 $\chi^2/\text{NDF}: 979974.0/59$

All: 2.898 ± 0.007 $\chi^2/\text{NDF}: 1821051.8/121$

- sign 3.213 ± 0.011 $\chi^2/\text{NDF}: 839289.3/61$

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -263.991 ± 1.527 χ^2/NDF : 1541.0/17

Left Out: -212.231 ± 1.029 χ^2/NDF : 3875.4/24

Right Out: -278.598 ± 1.396 χ^2/NDF : 3973.7/19

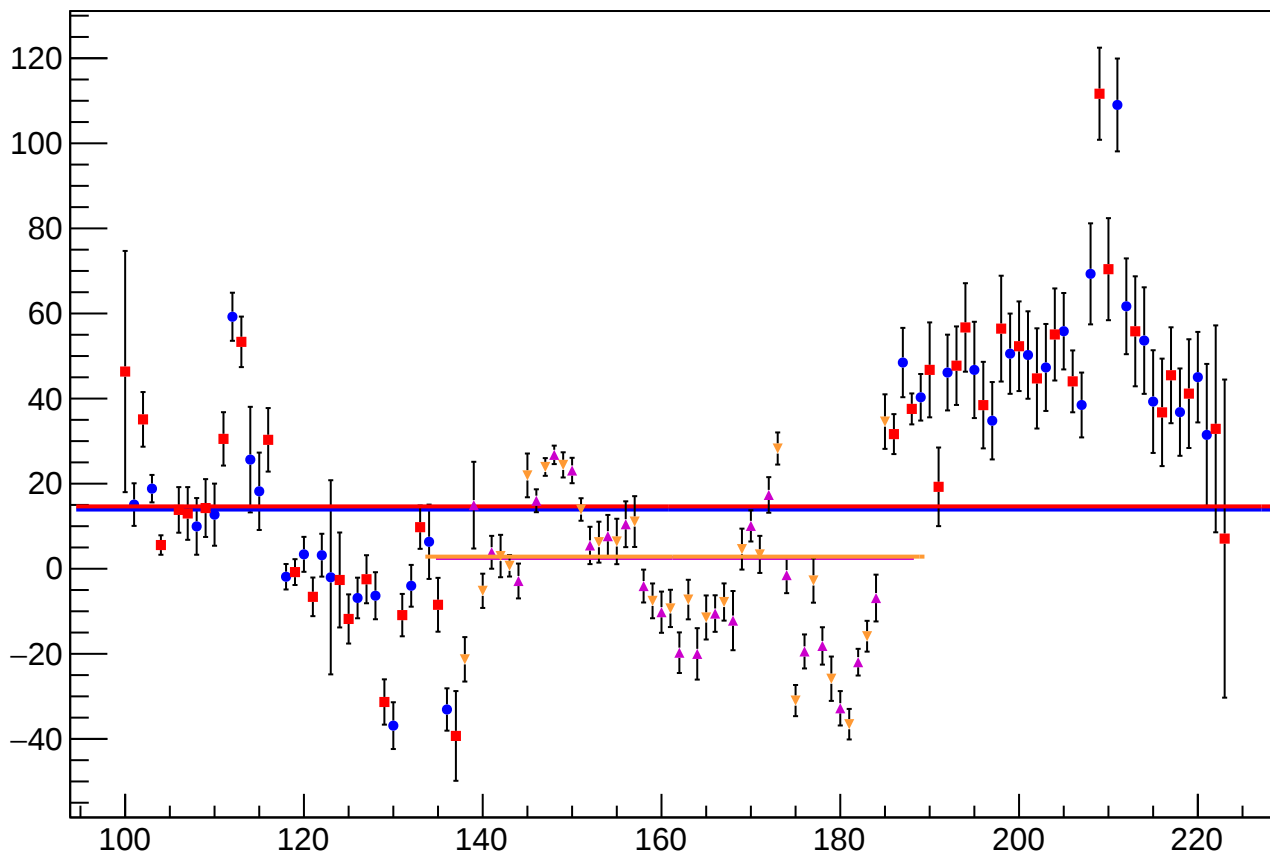
Left In: -217.779 ± 1.067 χ^2/NDF : 3448.9/22

+ sign -228.399 ± 0.854 χ^2/NDF : 6206.1/42

All: -234.340 ± 0.601 χ^2/NDF : 14923.0/85

- sign -240.198 ± 0.848 χ^2/NDF : 8620.7/42

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 13.914 $\pm$ 1.089 χ^2 /NDF: 612.0/34

Left Out: 2.848 $\pm$ 0.775 χ^2 /NDF: 582.1/24

Right Out: 14.656 $\pm$ 0.995 χ^2 /NDF: 586.5/38

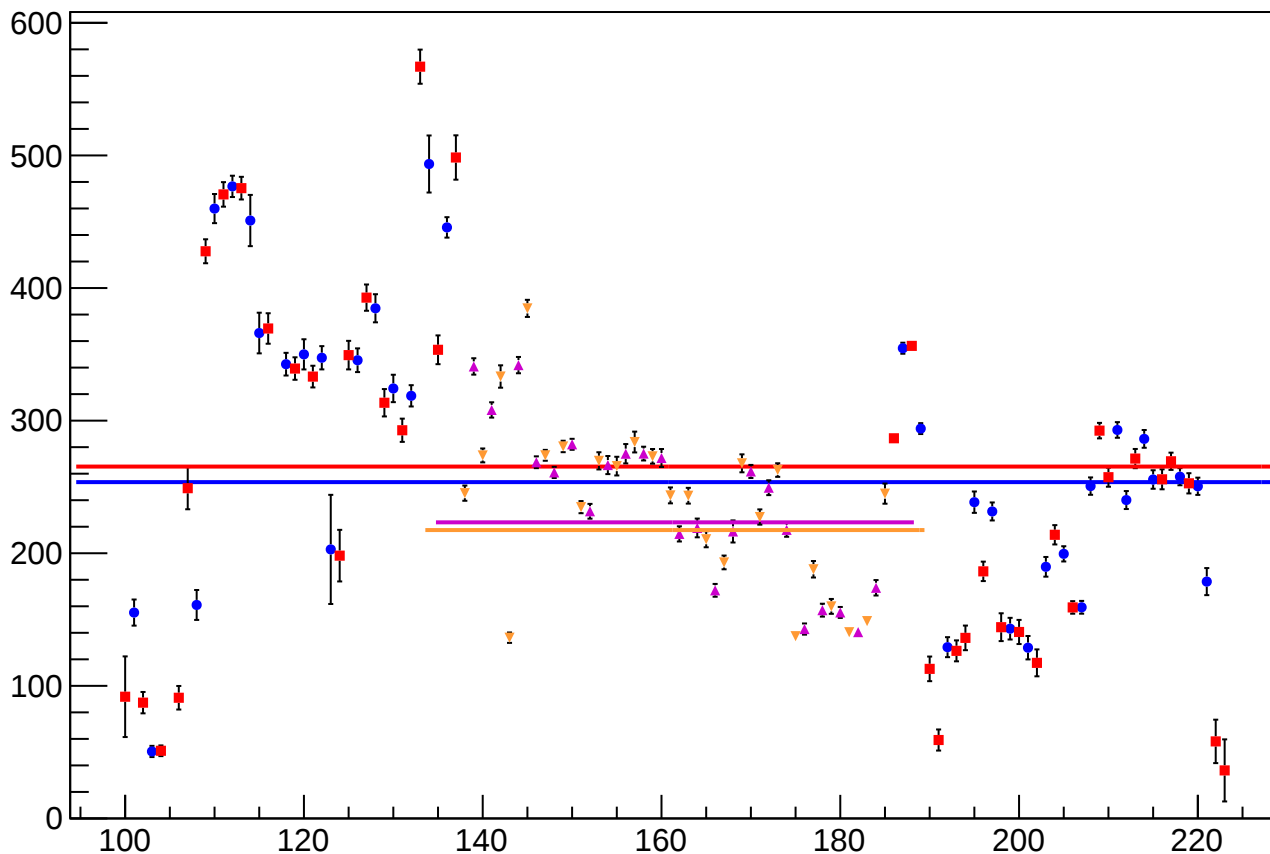
Left In: 2.540 $\pm$ 0.822 χ^2 /NDF: 473.6/22

+ sign 6.567 $\pm$ 0.631 χ^2 /NDF: 1262.7/59

All: 7.012 $\pm$ 0.447 χ^2 /NDF: 2412.0/121

- sign 7.461 $\pm$ 0.634 χ^2 /NDF: 1148.3/61

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 253.638 $\pm$ 1.222 χ^2 /NDF: 7196.2/34

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 265.367 $\pm$ 1.075 χ^2 /NDF: 11315.6/38

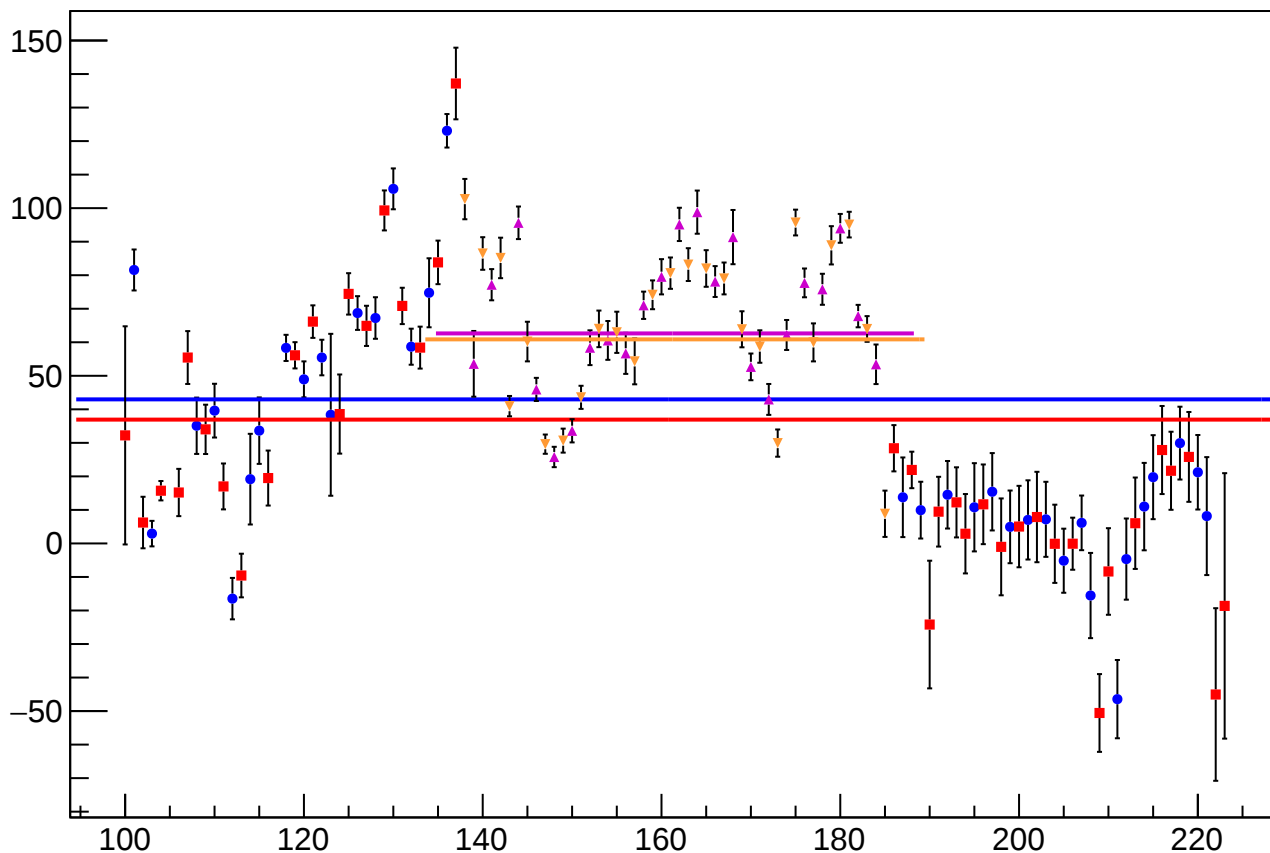
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 232.545 $\pm$ 0.789 χ^2 /NDF: 11476.7/59

All: 238.558 $\pm$ 0.546 χ^2 /NDF: 27056.5/121

- sign 244.078 $\pm$ 0.756 χ^2 /NDF: 15468.2/61

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 42.967 $\pm$ 1.262 χ^2 /NDF: 925.6/34

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 36.931 $\pm$ 1.185 χ^2 /NDF: 754.0/38

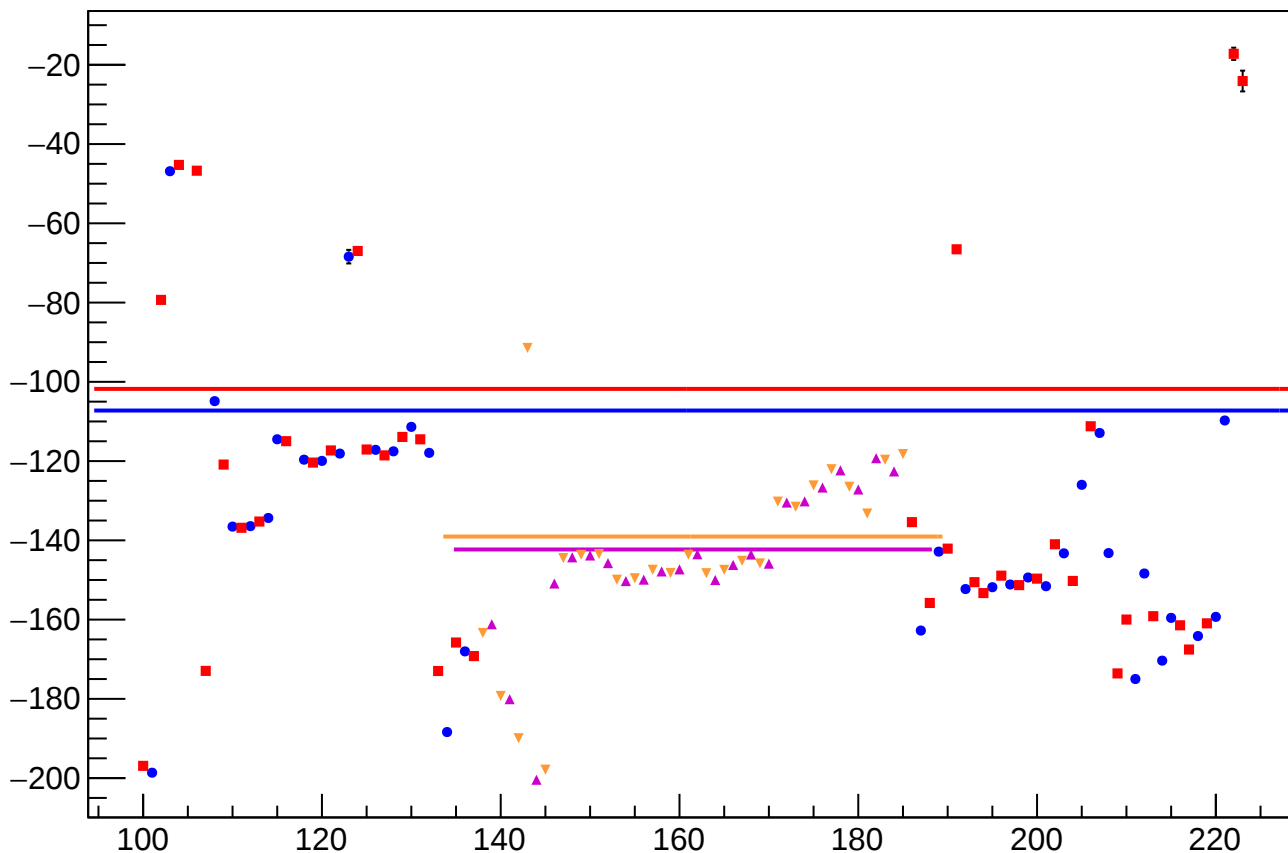
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 54.859 $\pm$ 0.731 χ^2 /NDF: 1790.9/59

All: 53.777 $\pm$ 0.519 χ^2 /NDF: 3352.9/121

- sign 52.675 $\pm$ 0.738 χ^2 /NDF: 1557.6/61

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -107.242 ± 0.057 $\chi^2/\text{NDF}: 751634.6/34$

Left Out: -139.040 ± 0.043 $\chi^2/\text{NDF}: 258113.4/24$

Right Out: -101.779 ± 0.054 $\chi^2/\text{NDF}: 789661.0/38$

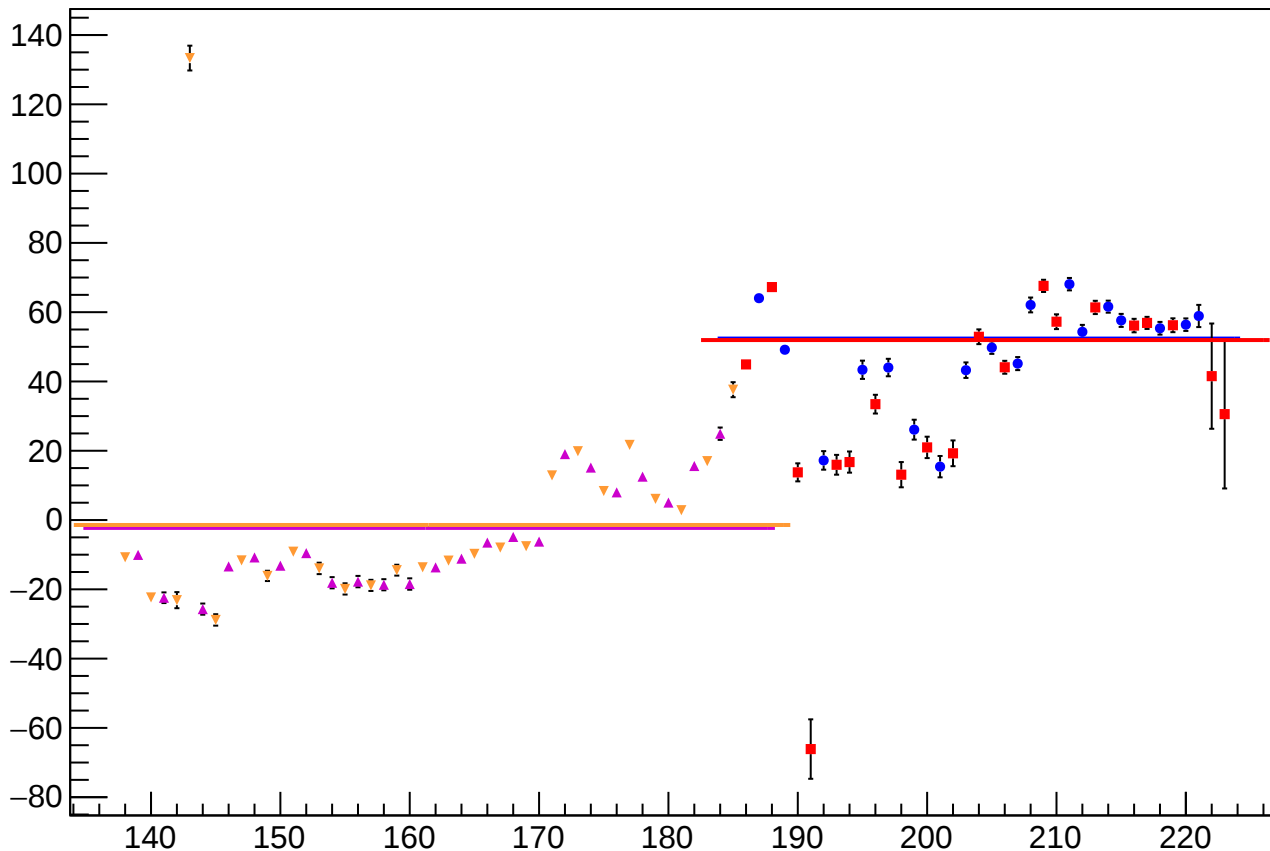
Left In: -142.305 ± 0.044 $\chi^2/\text{NDF}: 143351.8/22$

+ sign -127.493 ± 0.034 $\chi^2/\text{NDF}: 1209533.2/59$

All: -126.791 ± 0.024 $\chi^2/\text{NDF}: 2481590.4/12$

- sign -126.092 ± 0.034 $\chi^2/\text{NDF}: 1271215.9/61$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 52.380 ± 0.470 χ^2/NDF : 677.1/17

Left Out: -1.427 ± 0.268 χ^2/NDF : 4339.0/24

Right Out: 51.953 ± 0.410 χ^2/NDF : 1636.4/19

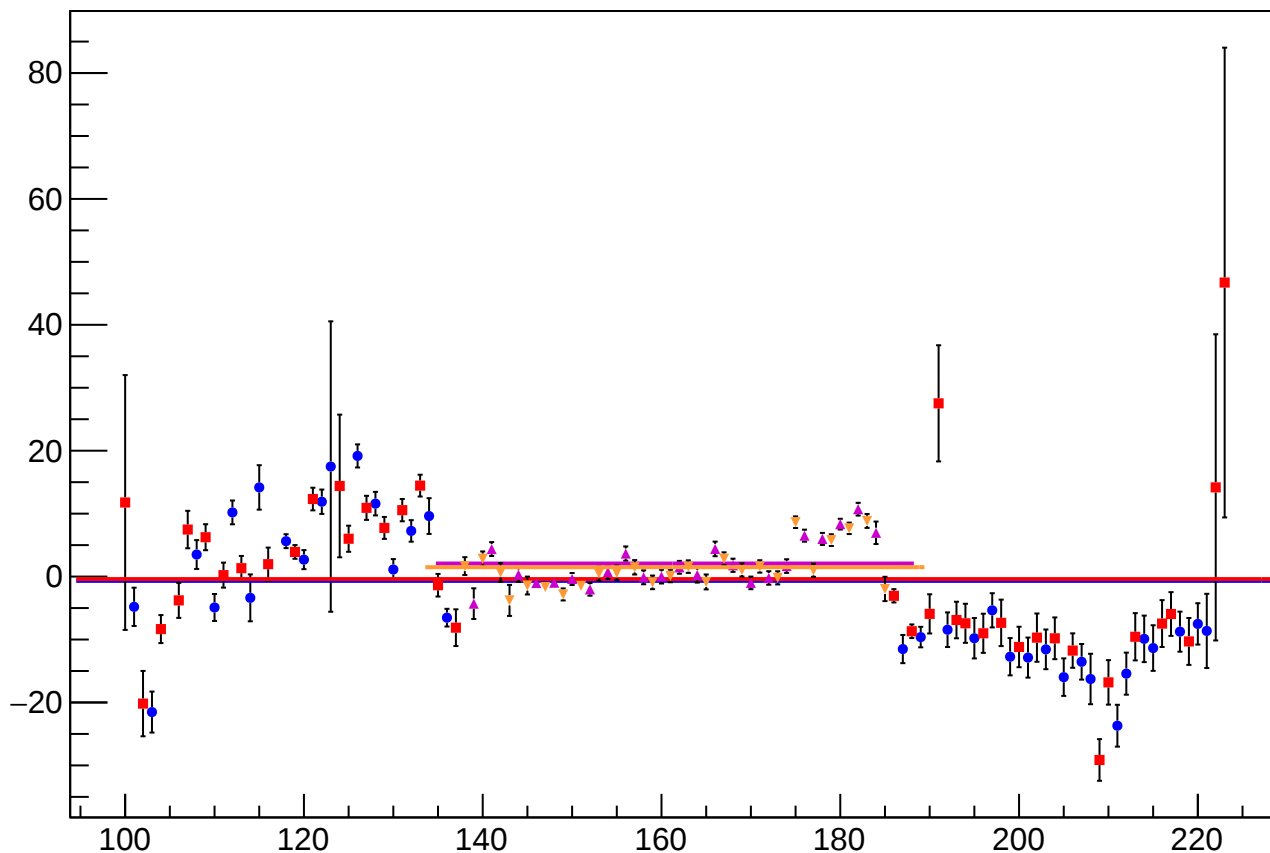
Left In: -2.270 ± 0.271 χ^2/NDF : 2521.6/22

+ sign 11.754 ± 0.233 χ^2/NDF : 14917.9/42

All: 13.014 ± 0.162 χ^2/NDF : 31318.4/85

- sign 14.202 ± 0.226 χ^2/NDF : 16343.4/42

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -0.678 ± 0.390 χ^2/NDF : 667.2/34

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: -0.397 ± 0.363 χ^2/NDF : 559.8/38

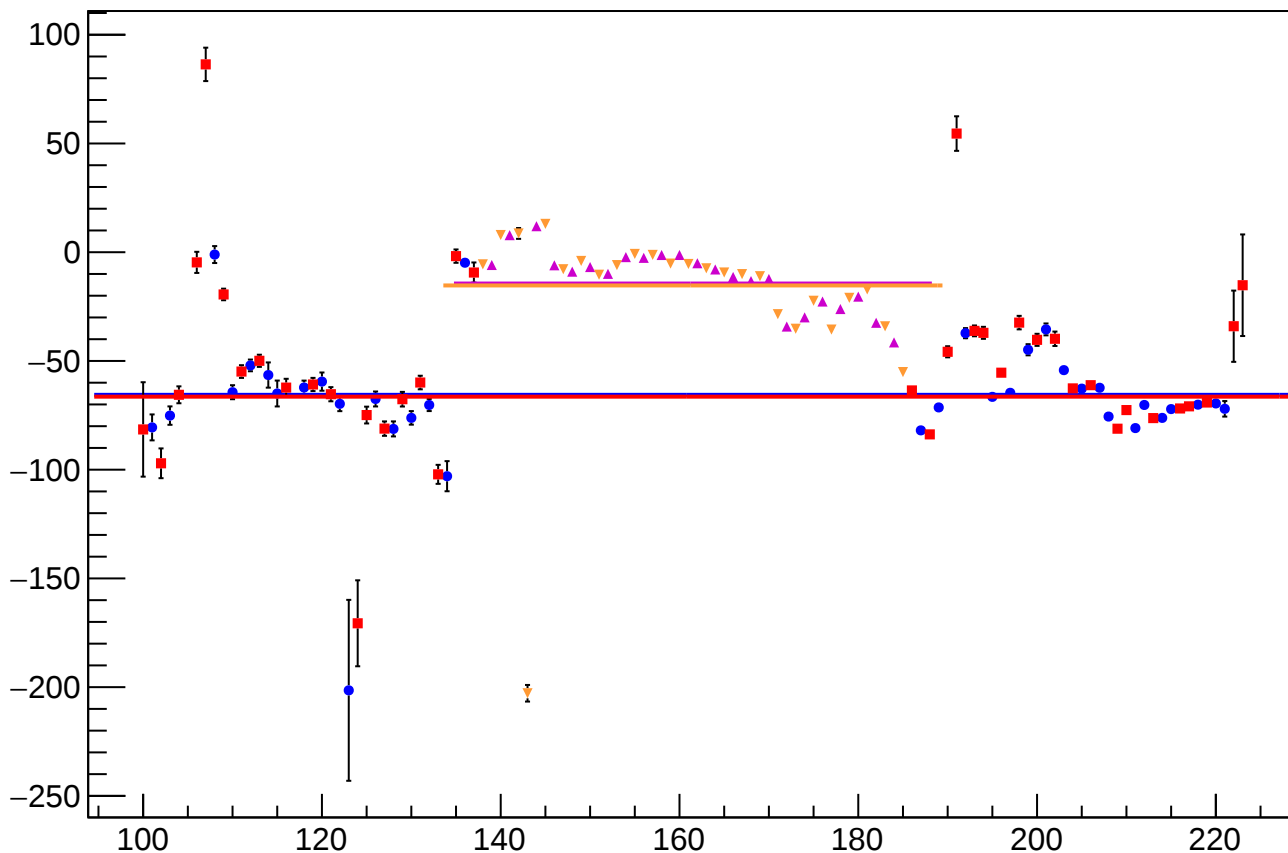
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.001 ± 0.185 χ^2/NDF : 950.3/59

All: 1.217 ± 0.131 χ^2/NDF : 1821.5/121

- sign 1.432 ± 0.185 χ^2/NDF : 868.6/61

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -65.583 ± 0.399 χ^2/NDF : 1923.3/34

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -66.420 ± 0.334 χ^2/NDF : 3442.4/38

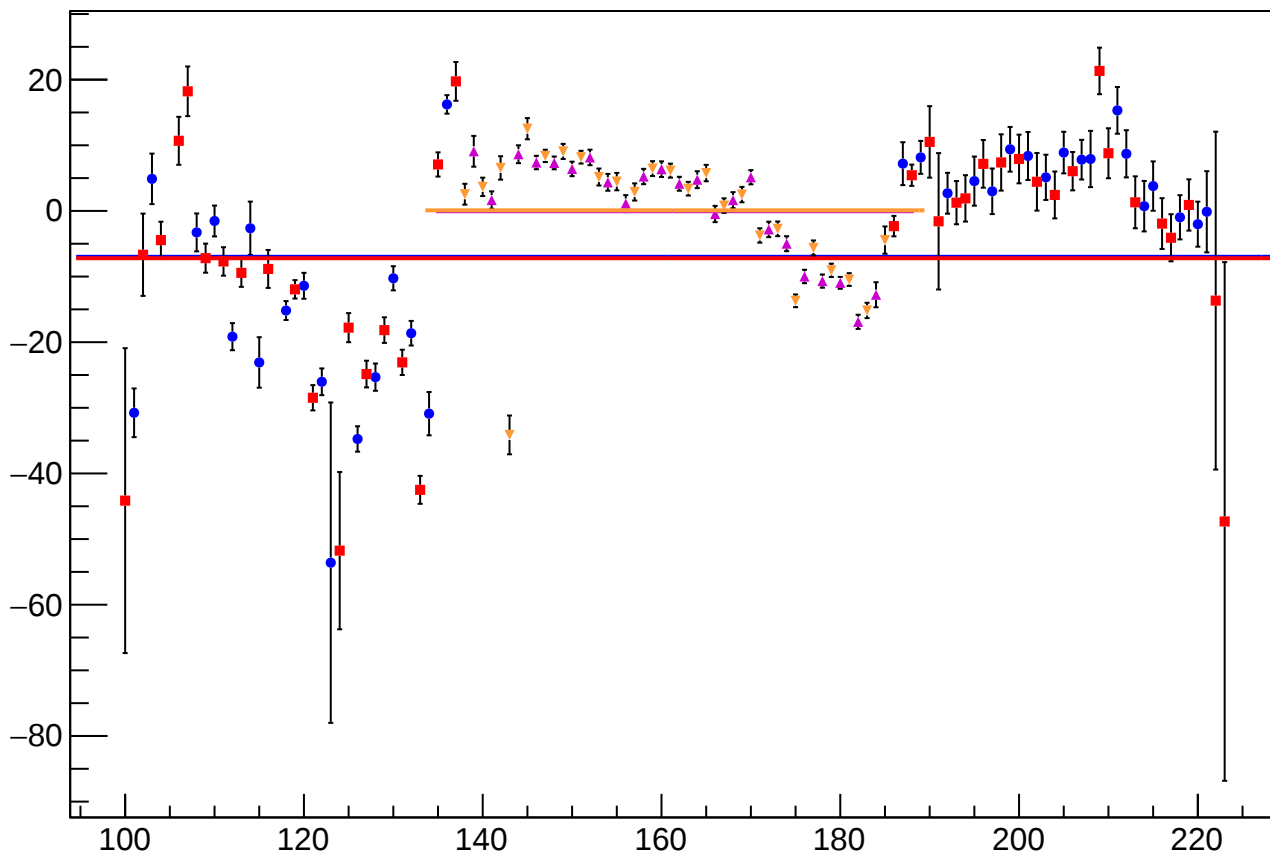
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -30.832 ± 0.222 χ^2/NDF : 17735.0/59

All: -32.960 ± 0.152 χ^2/NDF : 38075.9/121

- sign -34.862 ± 0.210 χ^2/NDF : 20166.6/61

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -6.993 ± 0.448 χ^2/NDF : 1162.4/34

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -7.208 ± 0.433 χ^2/NDF : 1105.6/38

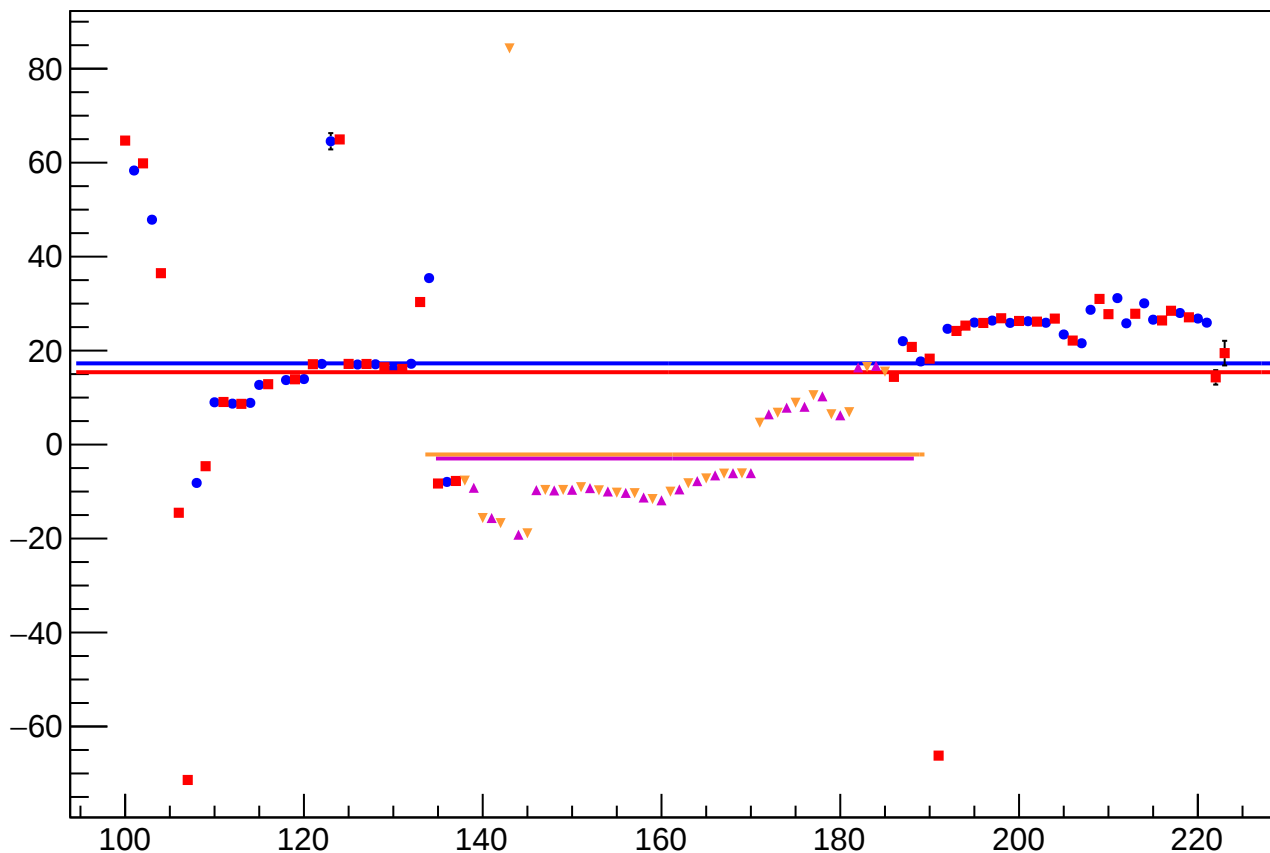
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.471 ± 0.210 χ^2/NDF : 2529.1/59

All: -1.615 ± 0.149 χ^2/NDF : 4871.9/121

- sign -1.760 ± 0.212 χ^2/NDF : 2341.9/61

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 17.283+/-0.022 χ^2/NDF : 498477.8/34

Left Out: -2.105+/-0.011 χ^2/NDF : 1093120.2/24

Right Out: 15.402+/-0.022 χ^2/NDF : 776655.1/38

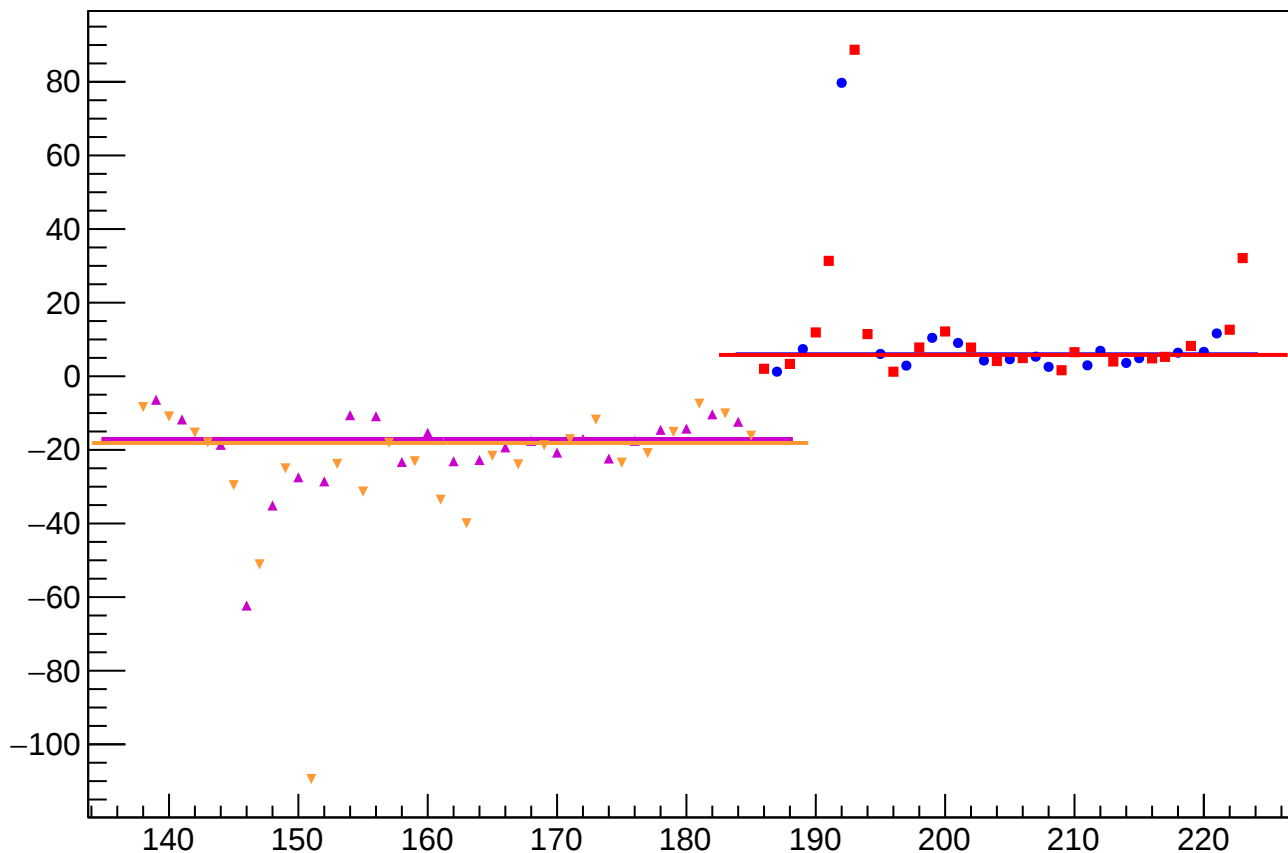
Left In: -2.959+/-0.011 χ^2/NDF : 763000.9/22

+ sign 1.629+/-0.010 χ^2/NDF : 2198418.9/59

All: 1.159+/-0.007 χ^2/NDF : 4295822.0/121

- sign 0.687+/-0.010 χ^2/NDF : 2092818.7/61

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 5.963 ± 0.045 χ^2/NDF : 27223.5/17

Left Out: -18.128 ± 0.039 χ^2/NDF : 88551.6/24

Right Out: 5.803 ± 0.044 χ^2/NDF : 29952.9/19

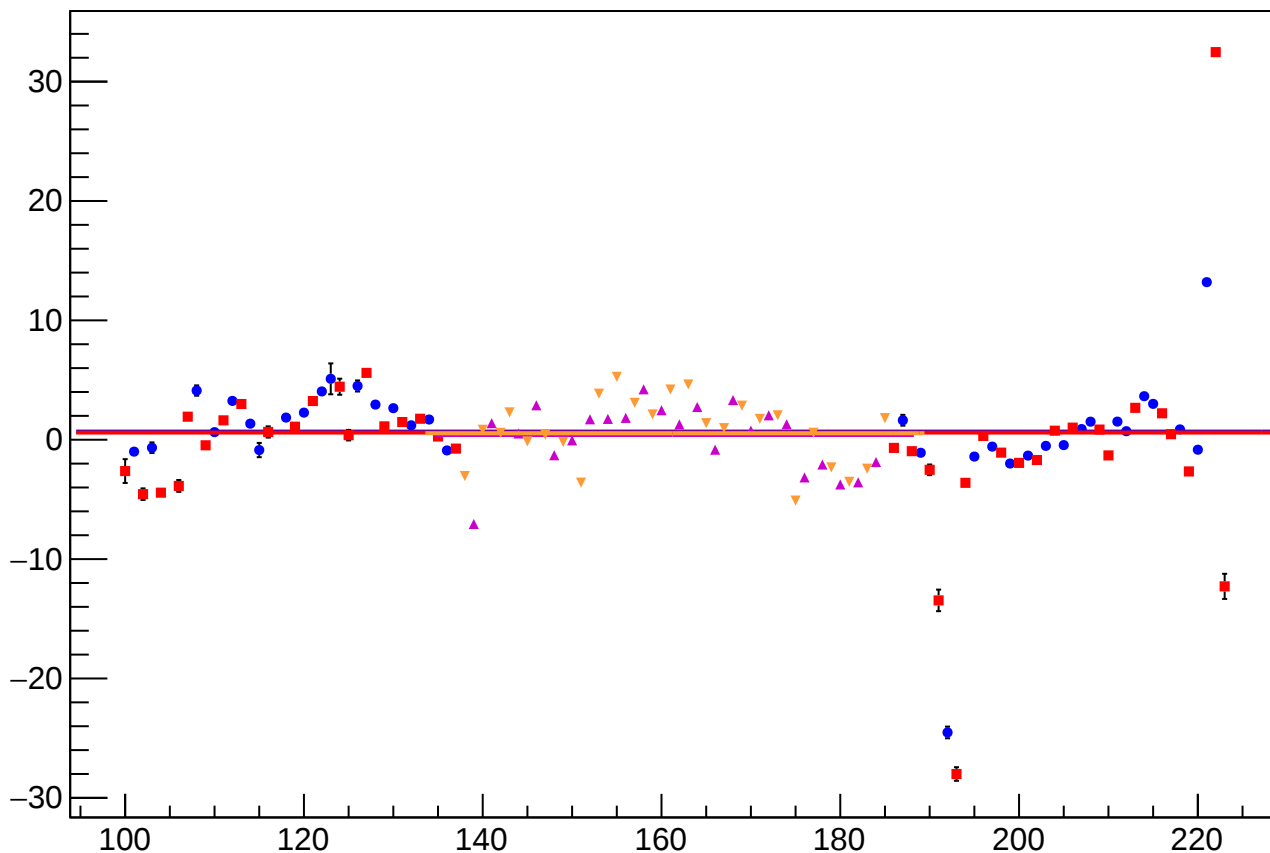
Left In: -17.038 ± 0.038 χ^2/NDF : 44141.1/22

+ sign -7.696 ± 0.029 χ^2/NDF : 281736.9/42

All: -7.494 ± 0.021 χ^2/NDF : 508775.2/85

- sign -7.297 ± 0.029 χ^2/NDF : 226944.2/42

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.681 ± 0.045 $\chi^2/\text{NDF}: 5176.3/34$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.602 ± 0.043 $\chi^2/\text{NDF}: 11979.1/38$

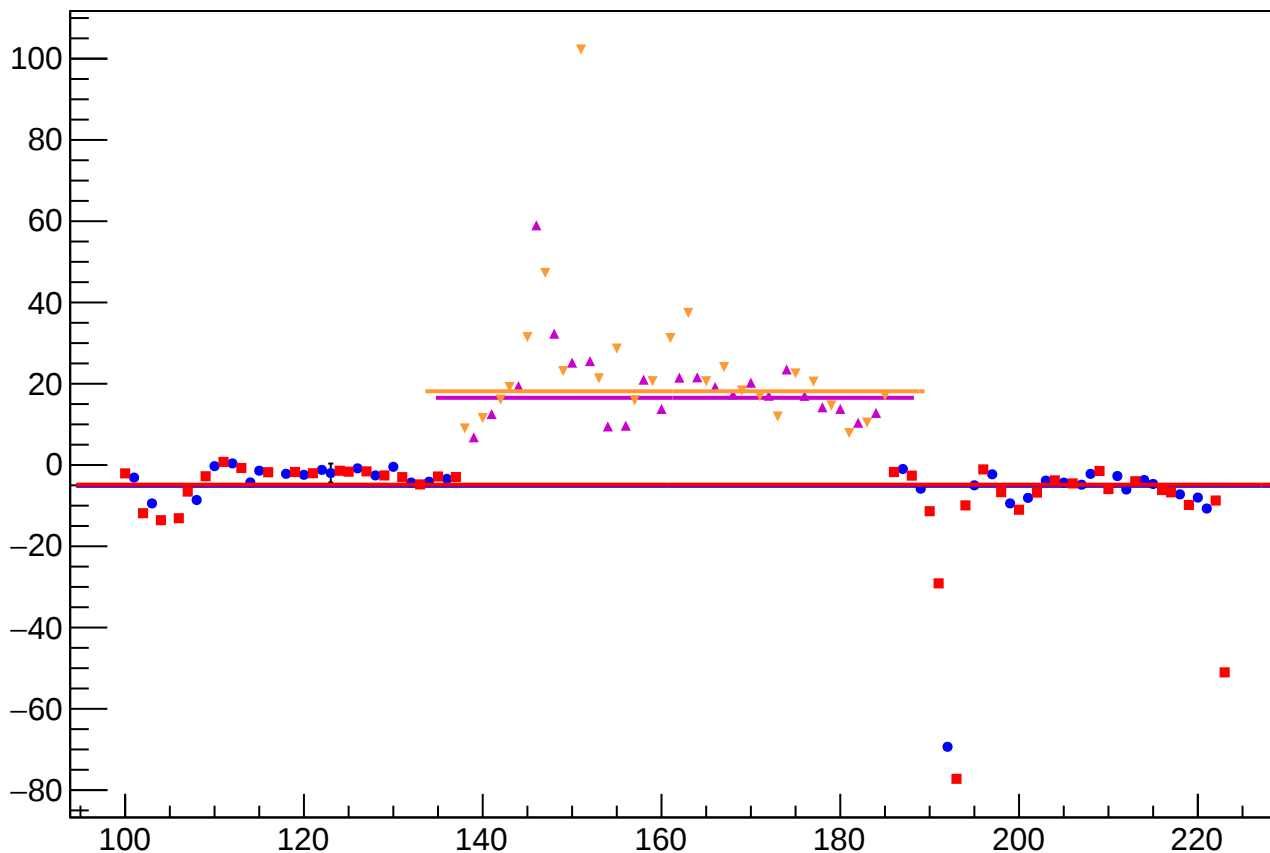
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.590 ± 0.026 $\chi^2/\text{NDF}: 12267.8/59$

All: 0.525 ± 0.018 $\chi^2/\text{NDF}: 30509.3/121$

- sign 0.466 ± 0.025 $\chi^2/\text{NDF}: 18229.8/61$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.118 ± 0.040 χ^2/NDF : 28230.9/34

Left Out: 18.150 ± 0.039 χ^2/NDF : 77847.8/24

Right Out: -4.837 ± 0.038 χ^2/NDF : 34263.5/38

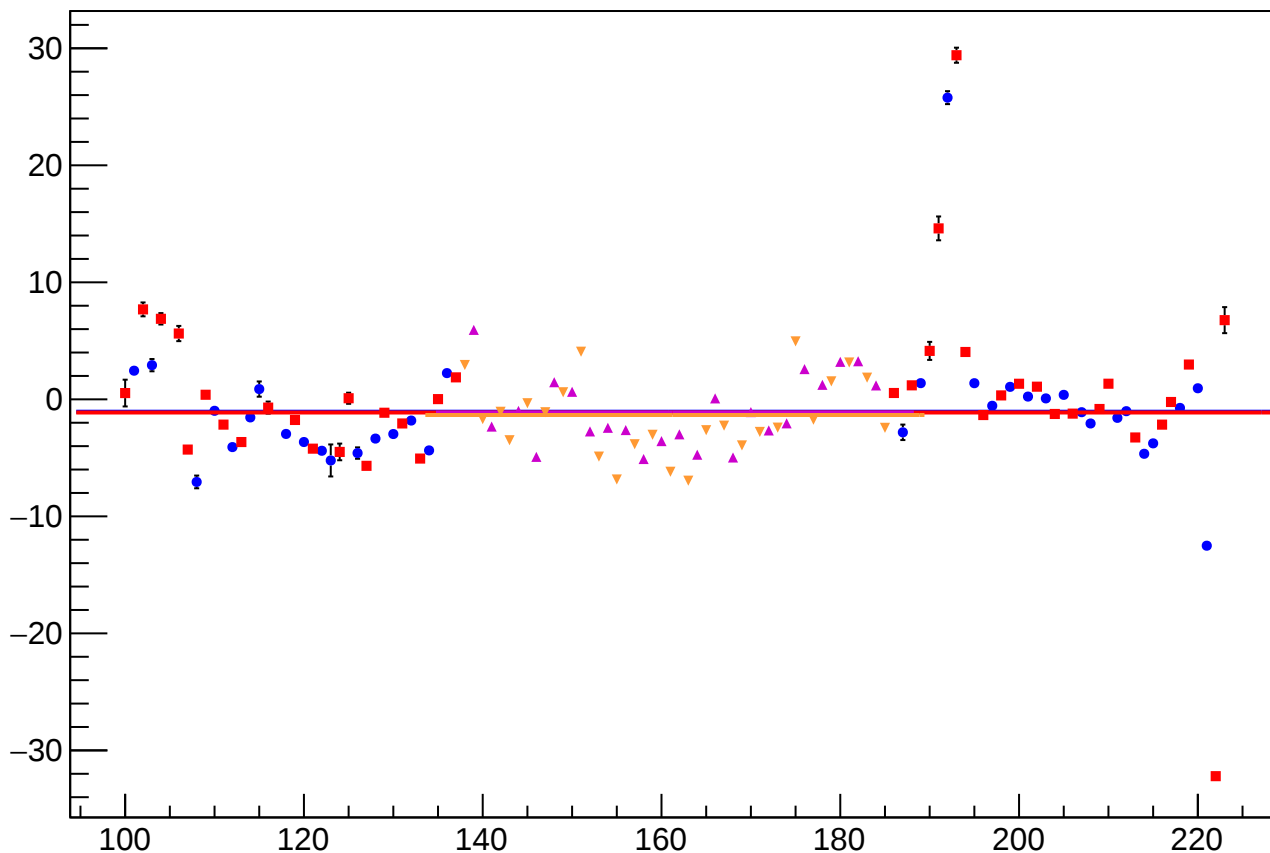
Left In: 16.543 ± 0.038 χ^2/NDF : 40855.0/22

+ sign 6.900 ± 0.028 χ^2/NDF : 277356.0/59

All: 6.446 ± 0.019 χ^2/NDF : 510617.9/121

- sign 6.030 ± 0.027 χ^2/NDF : 232762.9/61

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.056 ± 0.051 $\chi^2/\text{NDF}: 5010.3/34$

Left Out: -1.338 ± 0.036 $\chi^2/\text{NDF}: 7943.1/24$

Right Out: -1.125 ± 0.049 $\chi^2/\text{NDF}: 10991.7/38$

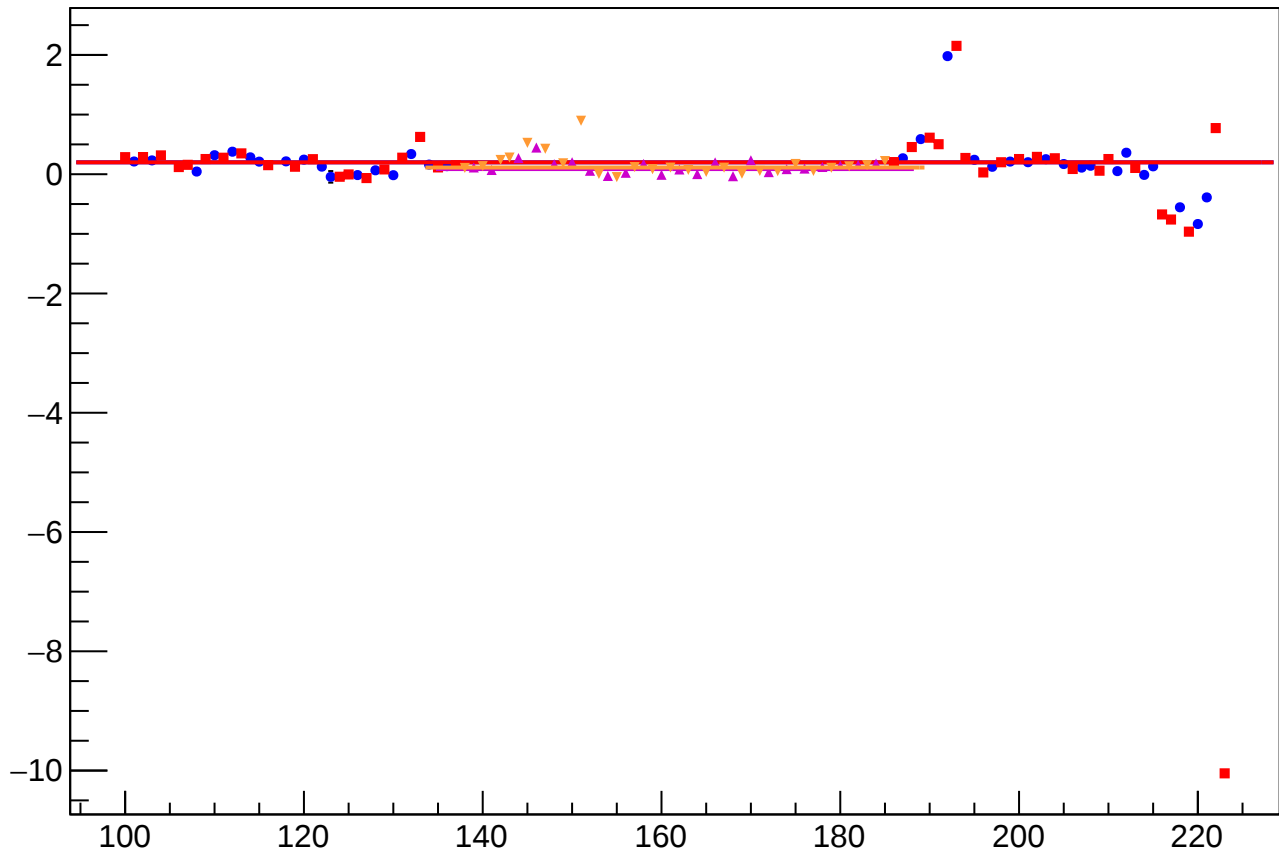
Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6740.3/22$

+ sign -1.245 ± 0.029 $\chi^2/\text{NDF}: 12973.6/59$

All: -1.184 ± 0.020 $\chi^2/\text{NDF}: 30713.8/121$

- sign -1.128 ± 0.028 $\chi^2/\text{NDF}: 17731.9/61$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.200 ± 0.002 χ^2/NDF : 16469.3/34

Left Out: 0.112 ± 0.002 χ^2/NDF : 4503.9/24

Right Out: 0.199 ± 0.002 χ^2/NDF : 37776.0/38

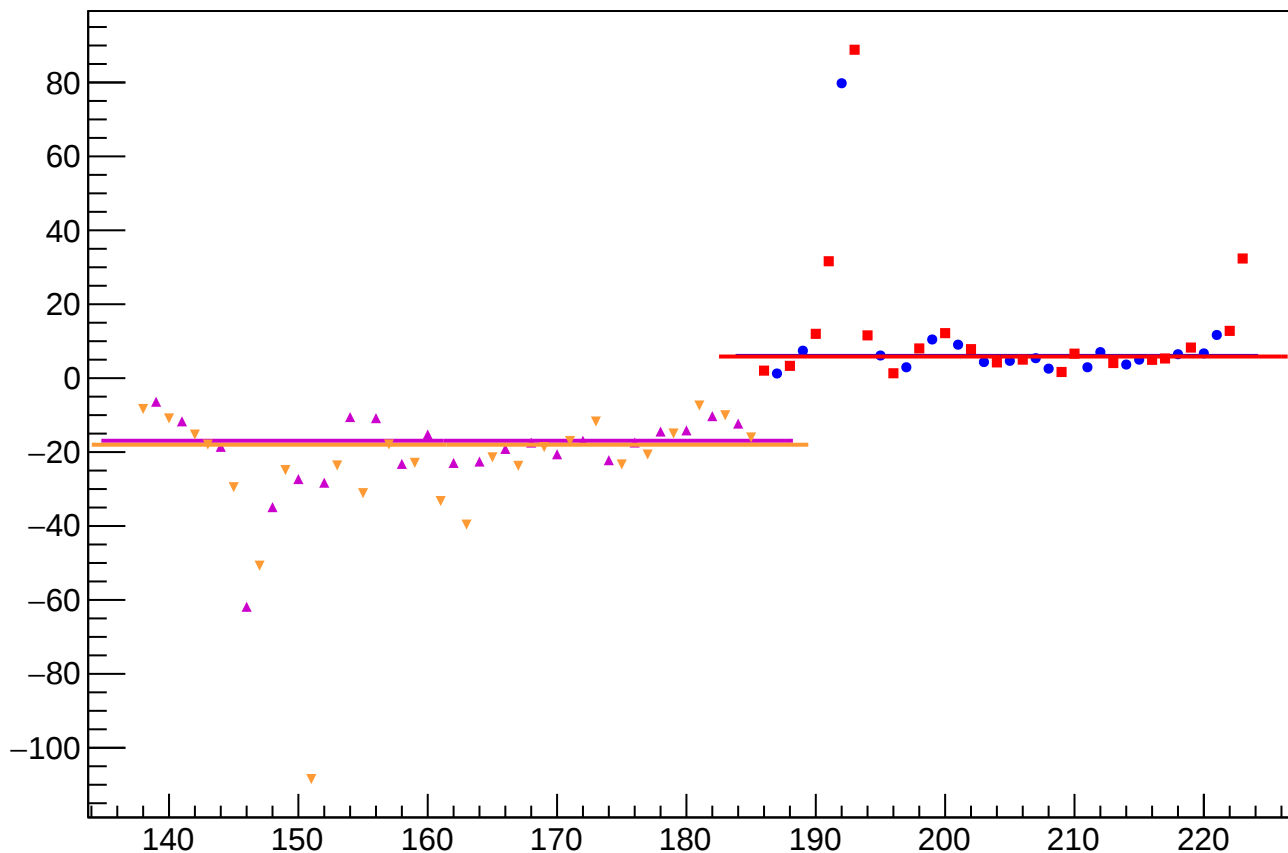
Left In: 0.087 ± 0.002 χ^2/NDF : 3655.4/22

+ sign 0.141 ± 0.001 χ^2/NDF : 21943.0/59

All: 0.130 ± 0.001 χ^2/NDF : 65206.7/121

- sign 0.121 ± 0.001 χ^2/NDF : 43145.3/61

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 6.016 ± 0.044 χ^2/NDF : 27447.9/17

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 5.853 ± 0.044 χ^2/NDF : 30392.9/19

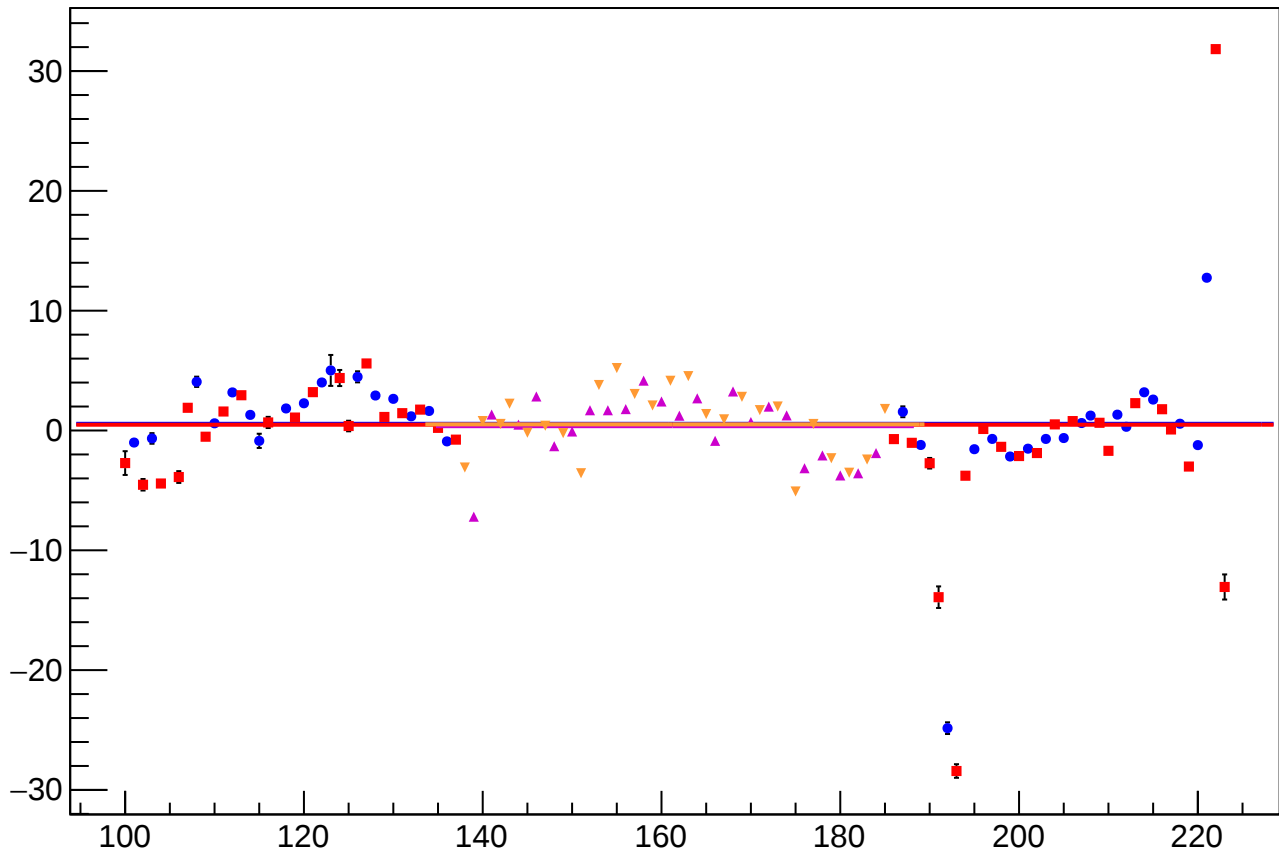
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -7.635 ± 0.029 χ^2/NDF : 282662.8/42

All: -7.426 ± 0.020 χ^2/NDF : 511255.7/85

- sign -7.223 ± 0.029 χ^2/NDF : 228491.2/42

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.559 ± 0.045 χ^2/NDF : 5232.4/34

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.482 ± 0.043 χ^2/NDF : 12006.2/38

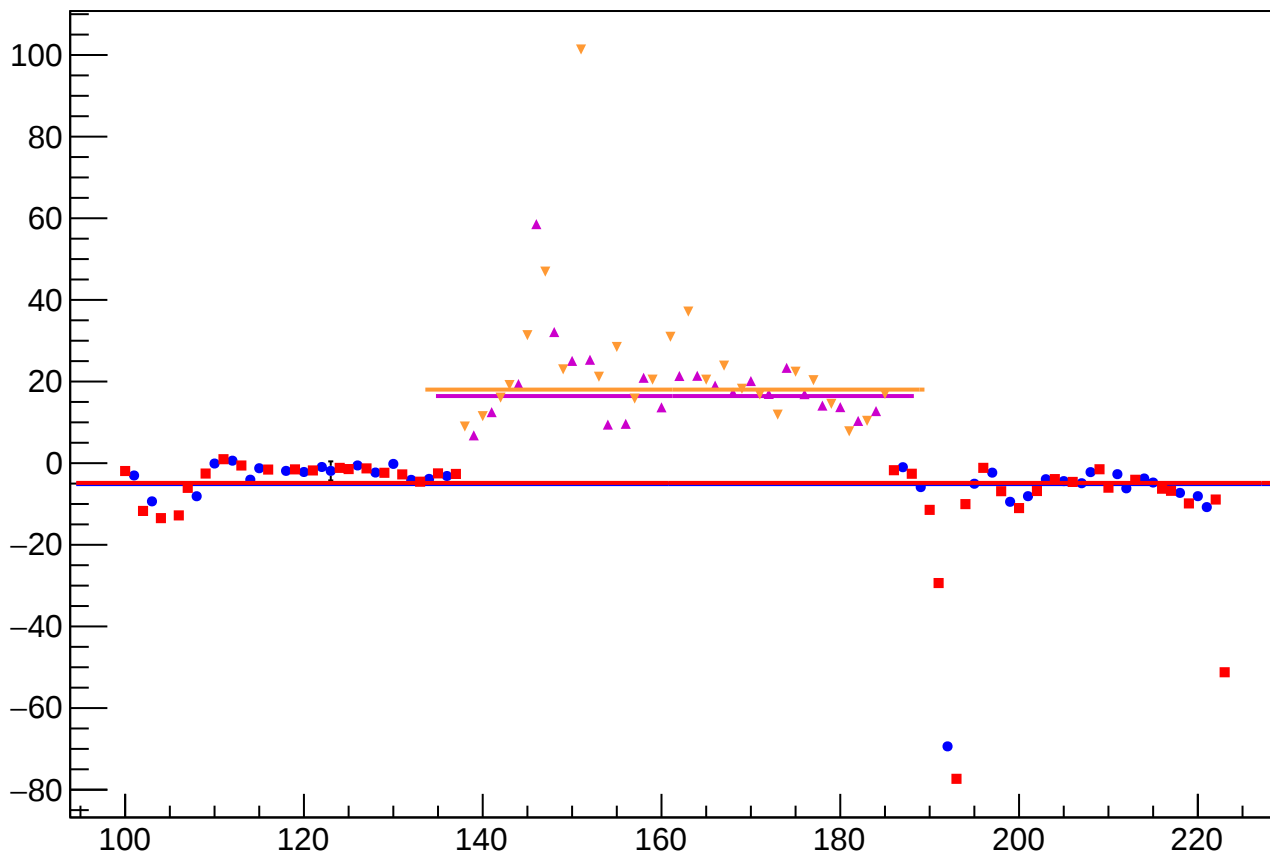
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.528 ± 0.026 χ^2/NDF : 12303.5/59

All: 0.461 ± 0.018 χ^2/NDF : 30548.5/121

- sign 0.401 ± 0.025 χ^2/NDF : 18232.7/61

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.129 $\pm$ 0.040 χ^2 /NDF: 28587.5/34

Left Out: 18.027 $\pm$ 0.039 χ^2 /NDF: 77718.1/24

Right Out: -4.834 $\pm$ 0.038 χ^2 /NDF: 34868.6/38

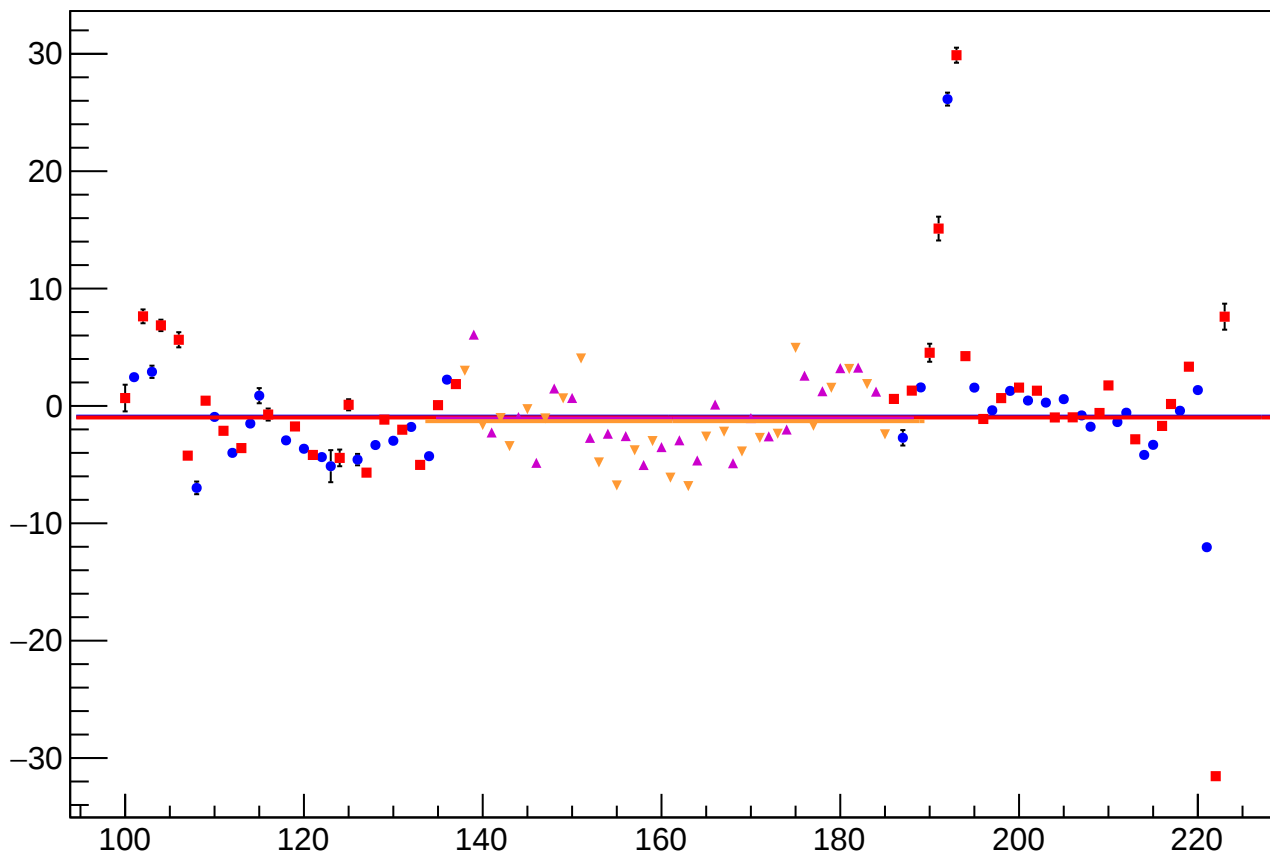
Left In: 16.443 $\pm$ 0.038 χ^2 /NDF: 40780.6/22

+ sign 6.861 $\pm$ 0.028 χ^2 /NDF: 277877.2/59

All: 6.403 $\pm$ 0.019 χ^2 /NDF: 512217.1/121

- sign 5.983 $\pm$ 0.027 χ^2 /NDF: 233825.0/61

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.912 ± 0.051 χ^2/NDF : 5053.2/34

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.983 ± 0.049 χ^2/NDF : 11033.1/38

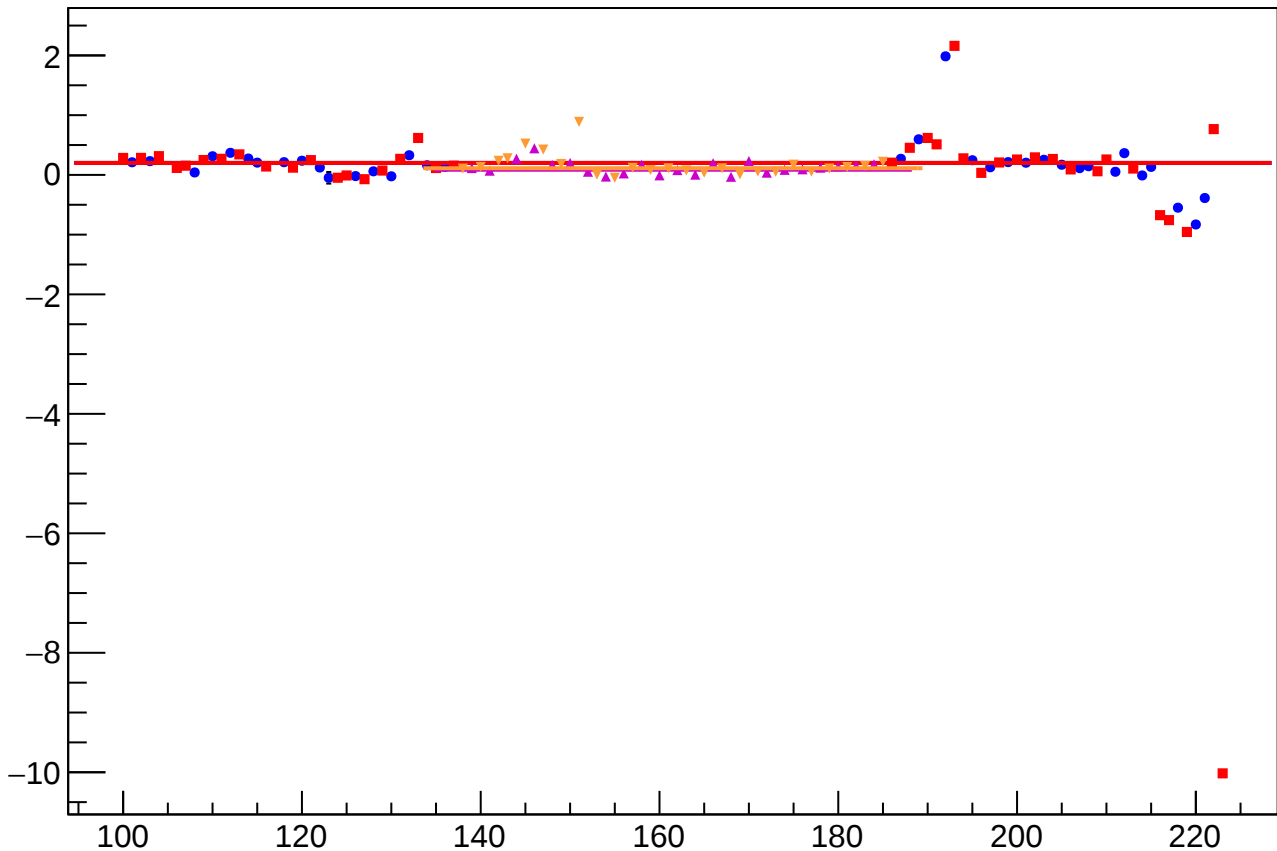
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.171 ± 0.029 χ^2/NDF : 13016.6/59

All: -1.108 ± 0.020 χ^2/NDF : 30785.4/121

- sign -1.050 ± 0.028 χ^2/NDF : 17759.9/61

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.200 $\pm$ 0.002 χ^2 /NDF: 16605.5/34

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF: 4496.0/24

Right Out: 0.200 $\pm$ 0.002 χ^2 /NDF: 37968.1/38

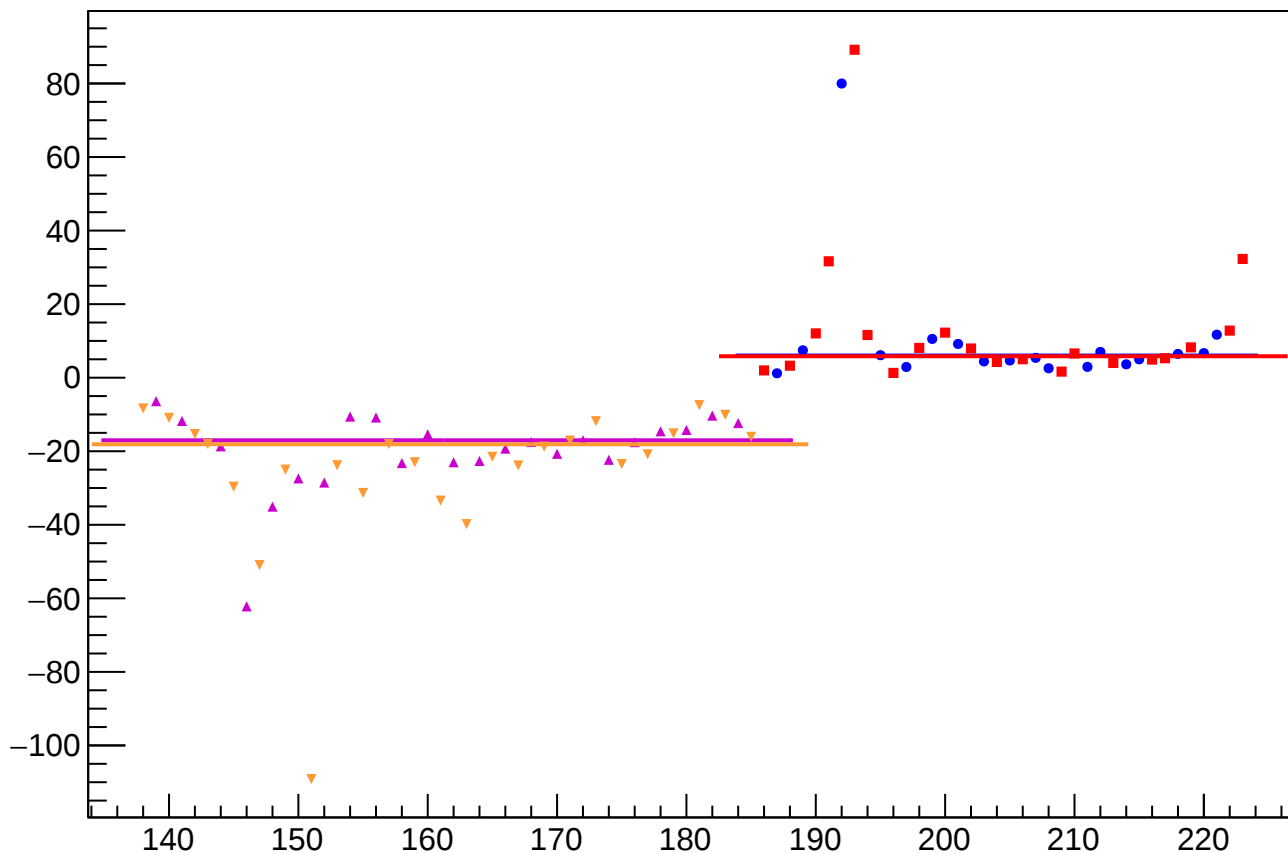
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3625.5/22

+ sign 0.140 $\pm$ 0.001 χ^2 /NDF: 22115.8/59

All: 0.130 $\pm$ 0.001 χ^2 /NDF: 65591.7/121

- sign 0.121 $\pm$ 0.001 χ^2 /NDF: 43363.2/61

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 6.016 ± 0.045 χ^2/NDF : 27432.6/17

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 5.829 ± 0.044 χ^2/NDF : 30396.4/19

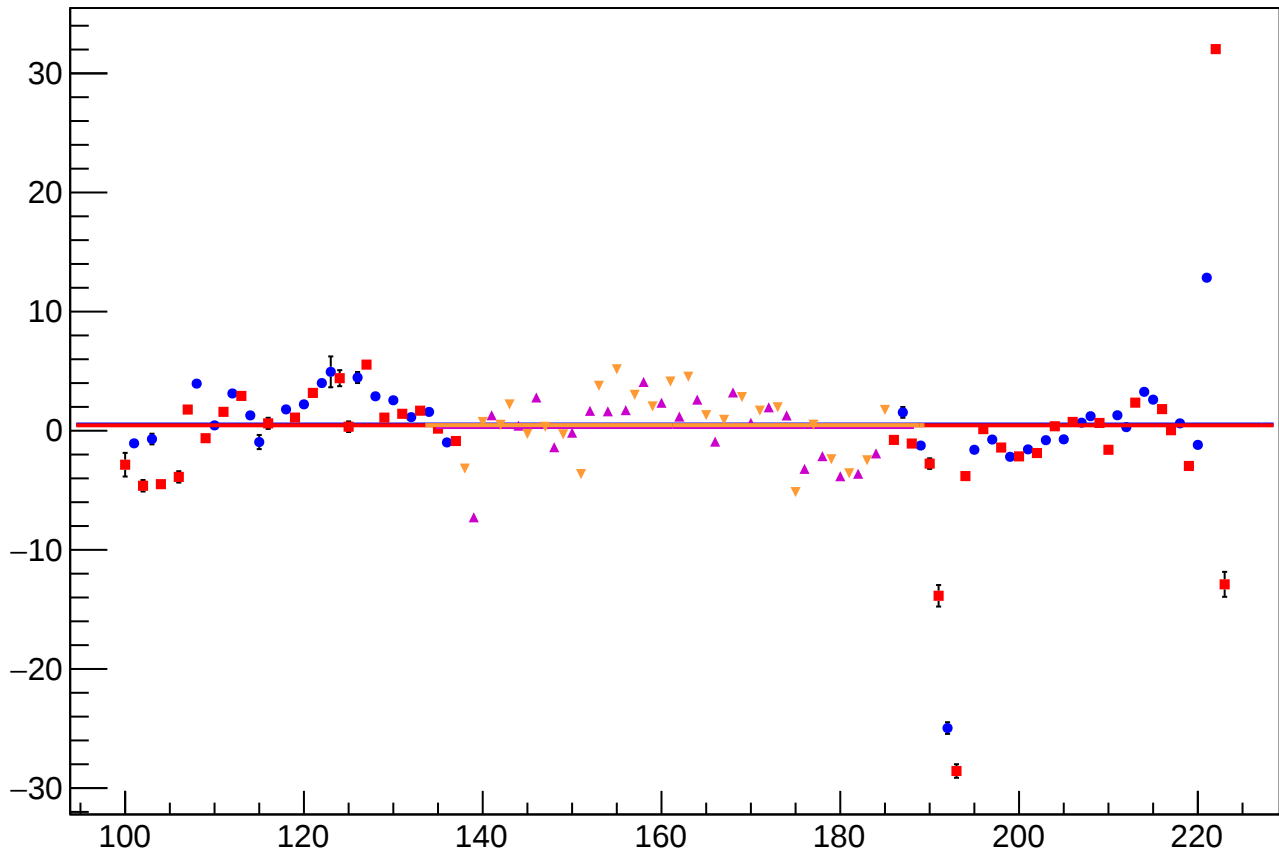
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -7.727 ± 0.029 χ^2/NDF : 282354.9/42

All: -7.509 ± 0.021 χ^2/NDF : 510531.4/85

- sign -7.297 ± 0.029 χ^2/NDF : 228067.1/42

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.521 ± 0.045 χ^2/NDF : 5238.5/34

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.454 ± 0.043 χ^2/NDF : 12014.6/38

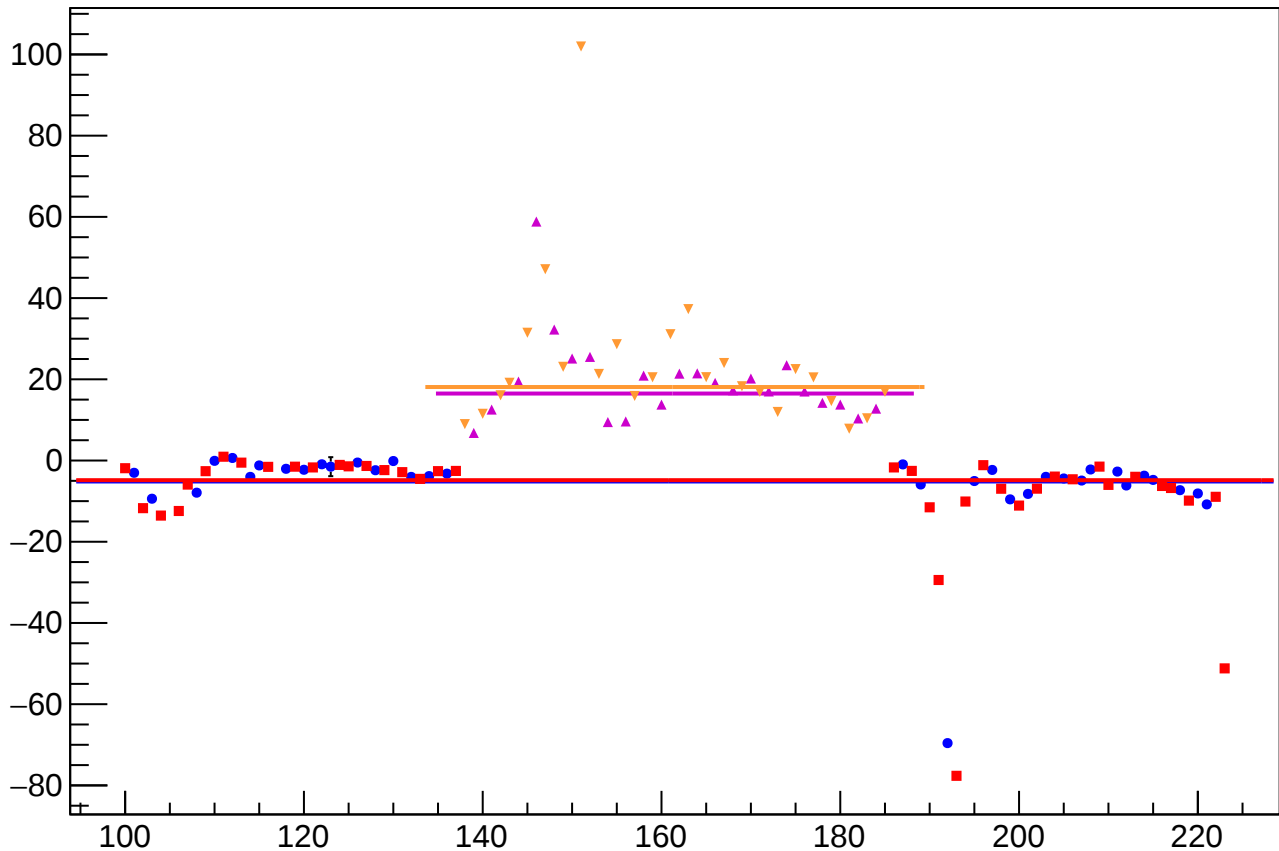
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.487 ± 0.026 χ^2/NDF : 12332.4/59

All: 0.420 ± 0.018 χ^2/NDF : 30549.9/121

- sign 0.359 ± 0.025 χ^2/NDF : 18205.0/61

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -5.158+/-0.040 χ^2/NDF : 28569.5/34

Left Out: 18.101+/-0.039 χ^2/NDF : 77839.7/24

Right Out: -4.841+/-0.038 χ^2/NDF : 34846.9/38

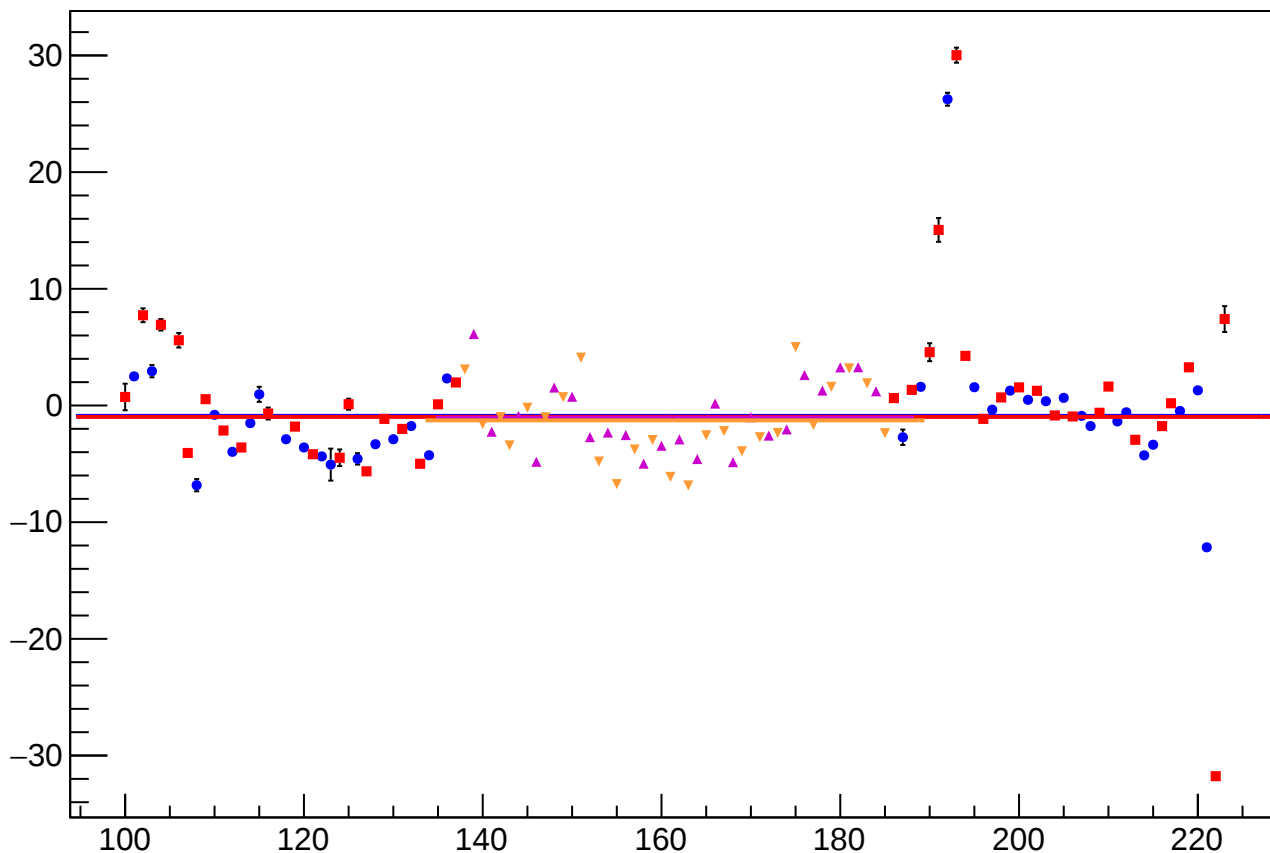
Left In: 16.496+/-0.038 χ^2/NDF : 40867.3/22

+ sign 6.912+/-0.028 χ^2/NDF : 277608.8/59

All: 6.442+/-0.019 χ^2/NDF : 511628.8/121

- sign 6.012+/-0.027 χ^2/NDF : 233483.5/61

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.891 ± 0.051 χ^2/NDF : 5061.6/34

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.977 ± 0.049 χ^2/NDF : 11041.2/38

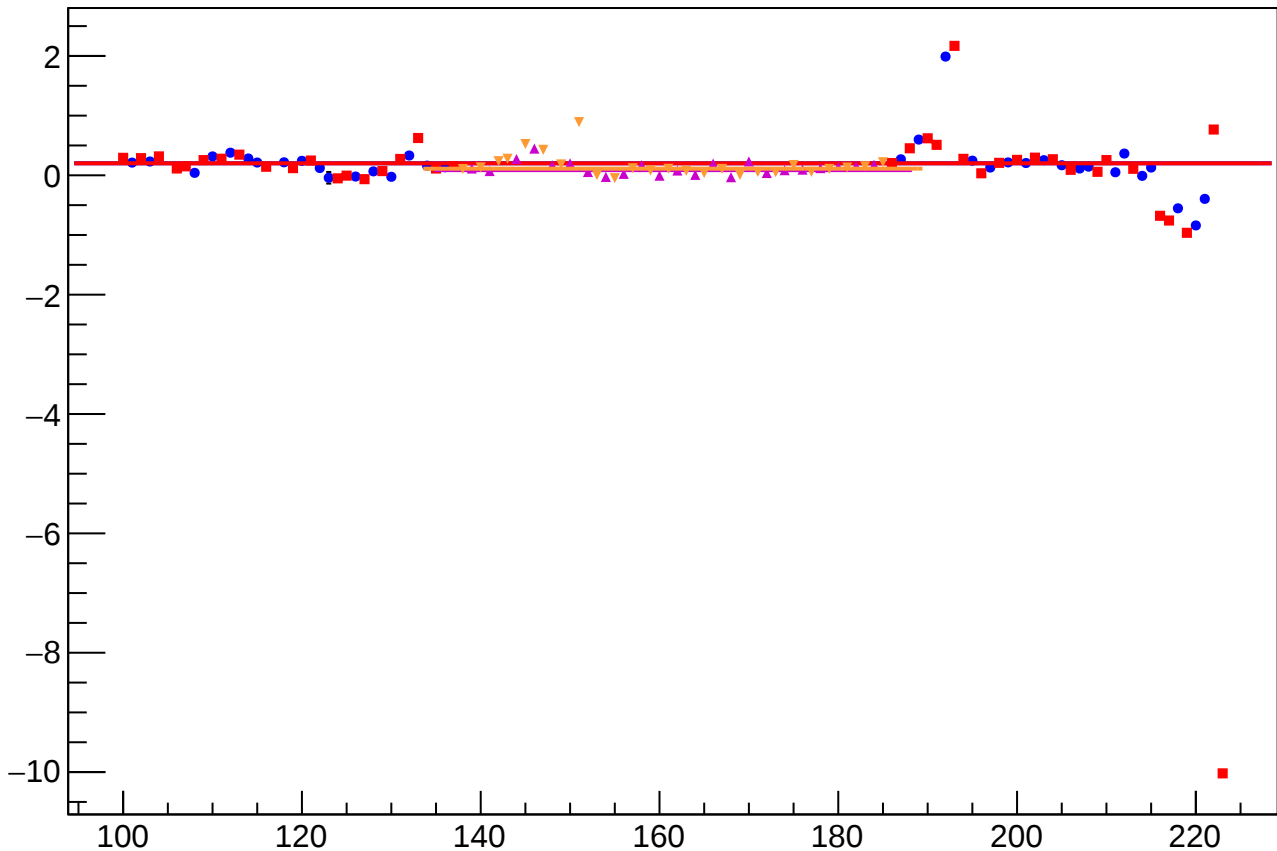
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.148 ± 0.029 χ^2/NDF : 13050.4/59

All: -1.085 ± 0.020 χ^2/NDF : 30775.3/121

- sign -1.027 ± 0.028 χ^2/NDF : 17716.1/61

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 $\pm$ 0.002 χ^2 /NDF: 16626.8/34

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF: 4474.5/24

Right Out: 0.201 $\pm$ 0.002 χ^2 /NDF: 37952.1/38

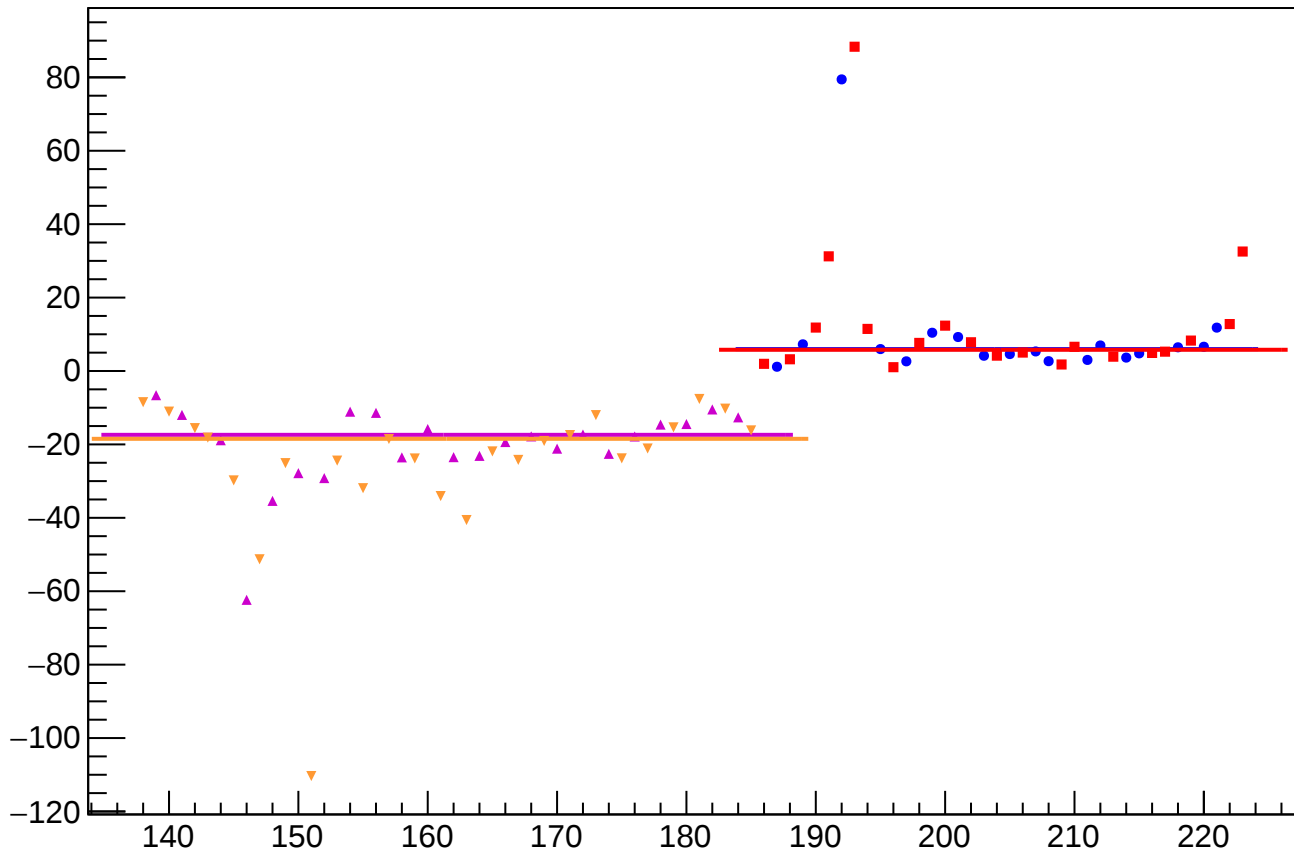
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3598.5/22

+ sign 0.140 $\pm$ 0.001 χ^2 /NDF: 22132.1/59

All: 0.131 $\pm$ 0.001 χ^2 /NDF: 65556.4/121

- sign 0.122 $\pm$ 0.001 χ^2 /NDF: 43315.5/61

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 5.960 ± 0.045 χ^2/NDF : 26980.8/17

Left Out: -18.479 ± 0.040 χ^2/NDF : 87883.4/24

Right Out: 5.782 ± 0.044 χ^2/NDF : 29805.5/19

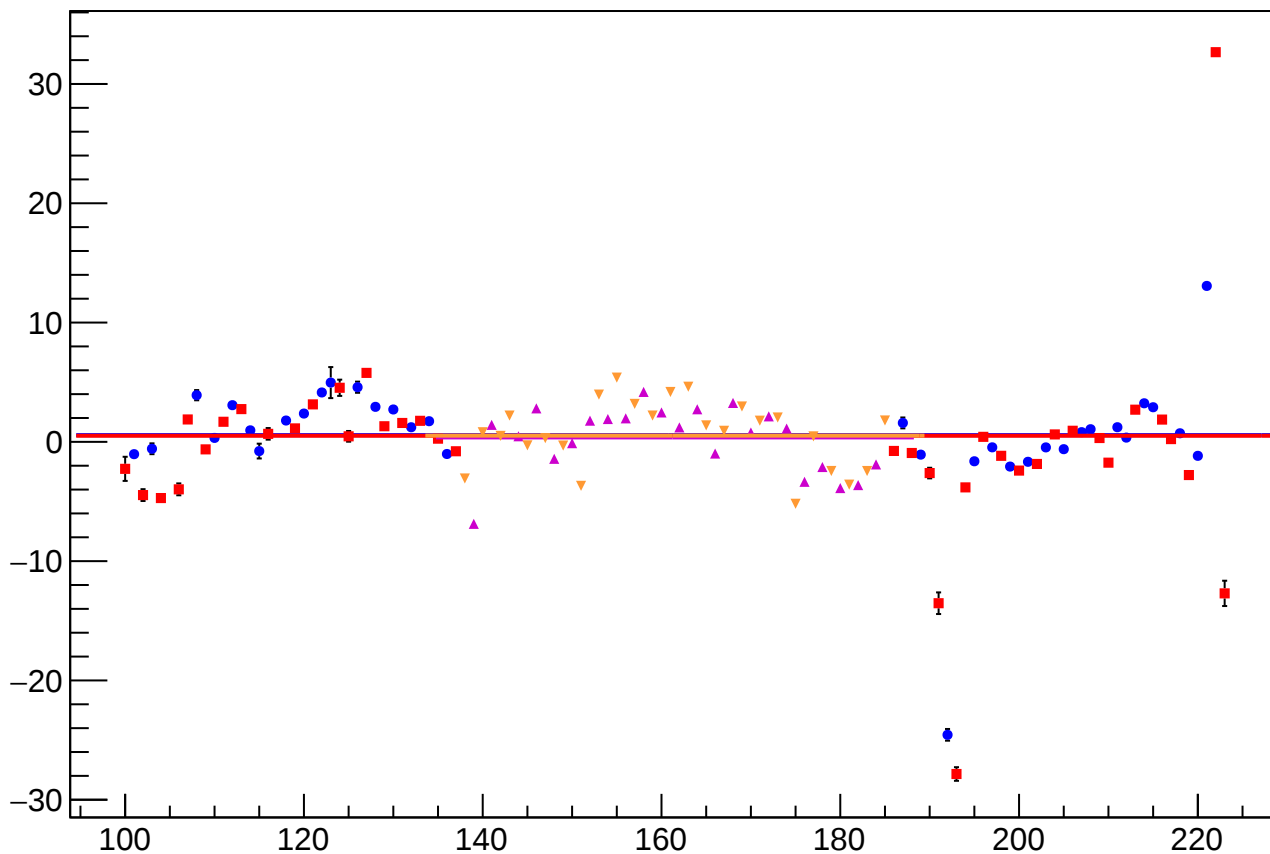
Left In: -17.393 ± 0.039 χ^2/NDF : 43178.9/22

+ sign -7.755 ± 0.030 χ^2/NDF : 281141.7/42

All: -7.533 ± 0.021 χ^2/NDF : 508066.7/85

- sign -7.318 ± 0.029 χ^2/NDF : 226815.2/42

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.564 ± 0.046 $\chi^2/\text{NDF}: 5108.5/34$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.512 ± 0.044 $\chi^2/\text{NDF}: 11927.8/38$

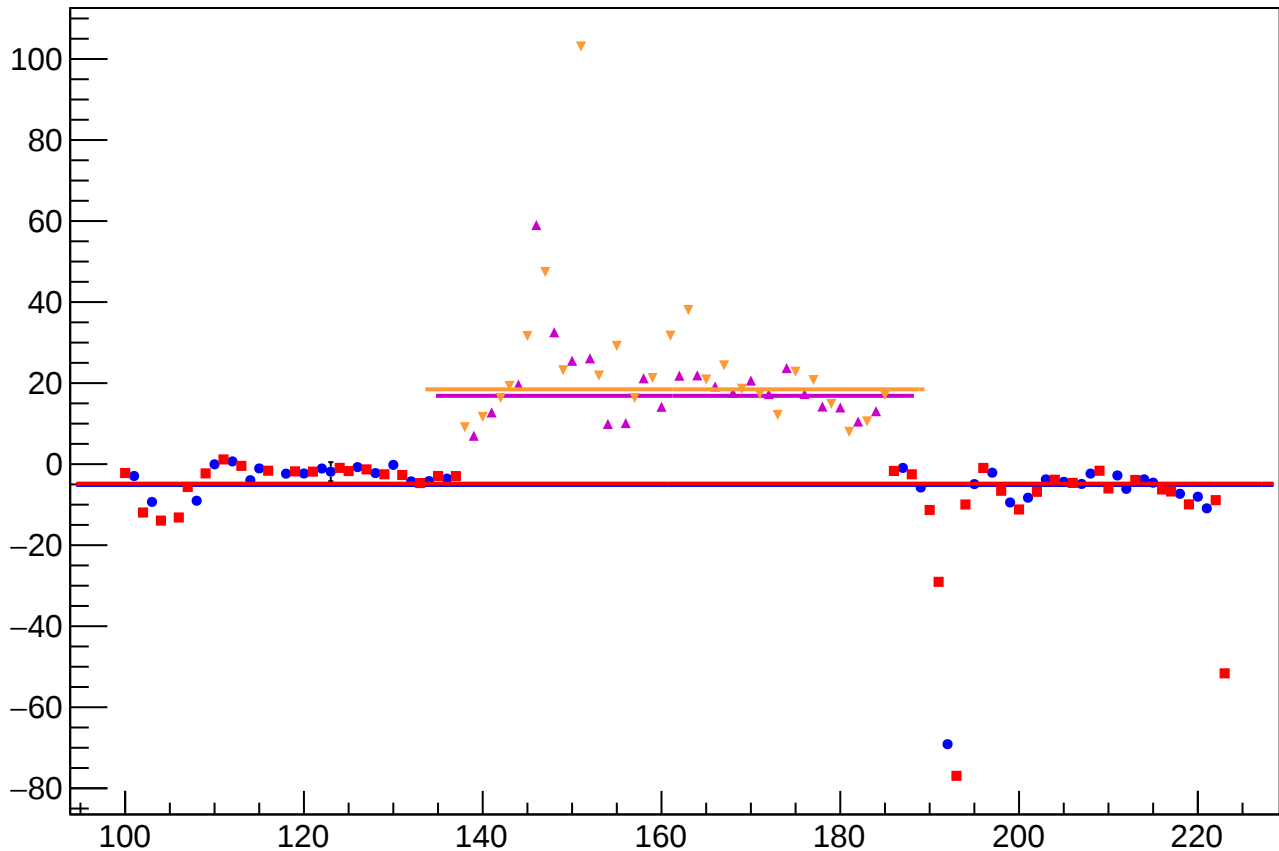
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.536 ± 0.027 $\chi^2/\text{NDF}: 12164.2/59$

All: 0.475 ± 0.018 $\chi^2/\text{NDF}: 30326.3/121$

- sign 0.419 ± 0.025 $\chi^2/\text{NDF}: 18152.1/61$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.132 ± 0.041 $\chi^2/\text{NDF}: 28056.0/34$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -4.806 ± 0.039 $\chi^2/\text{NDF}: 34277.1/38$

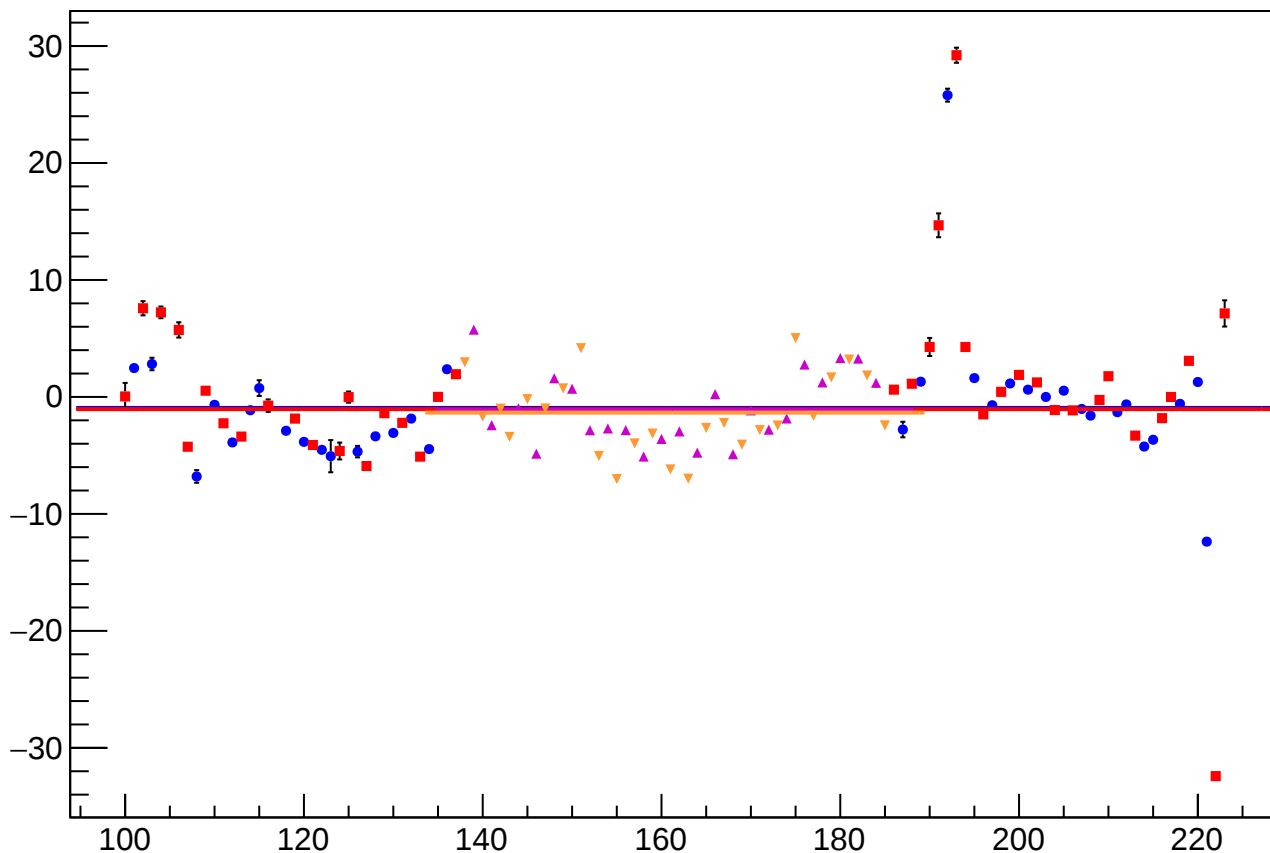
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 6.934 ± 0.029 $\chi^2/\text{NDF}: 276369.9/59$

All: 6.466 ± 0.020 $\chi^2/\text{NDF}: 508756.8/121$

- sign 6.037 ± 0.027 $\chi^2/\text{NDF}: 231869.6/61$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.940 ± 0.052 $\chi^2/\text{NDF}: 4947.3/34$

Left Out: -1.340 ± 0.037 $\chi^2/\text{NDF}: 7907.4/24$

Right Out: -1.044 ± 0.050 $\chi^2/\text{NDF}: 10965.7/38$

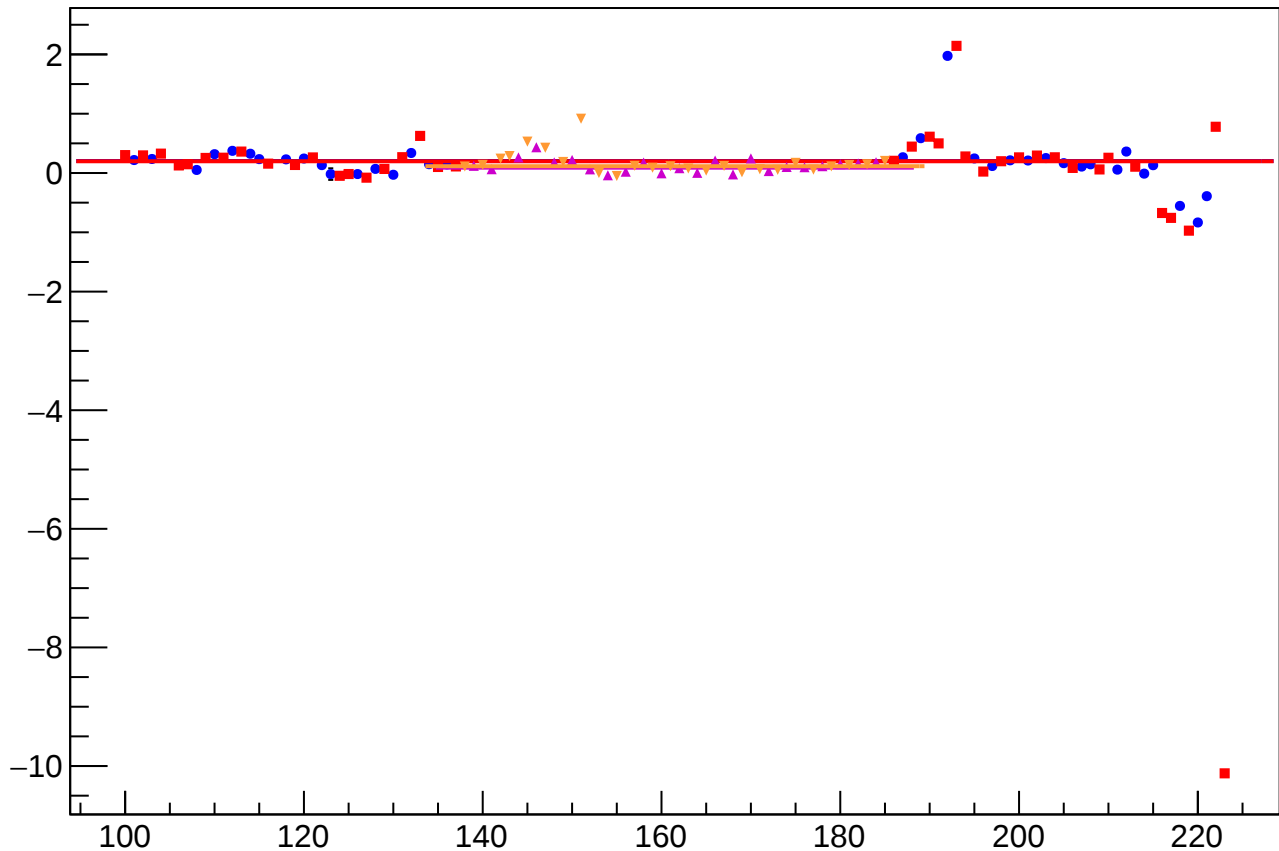
Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6708.5/22$

+ sign -1.207 ± 0.030 $\chi^2/\text{NDF}: 12894.5/59$

All: -1.153 ± 0.021 $\chi^2/\text{NDF}: 30577.1/121$

- sign -1.103 ± 0.029 $\chi^2/\text{NDF}: 17676.3/61$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.202 $\pm$ 0.002 χ^2 /NDF: 16253.8/34

Left Out: 0.115 $\pm$ 0.002 χ^2 /NDF: 4431.9/24

Right Out: 0.198 $\pm$ 0.002 χ^2 /NDF: 37639.4/38

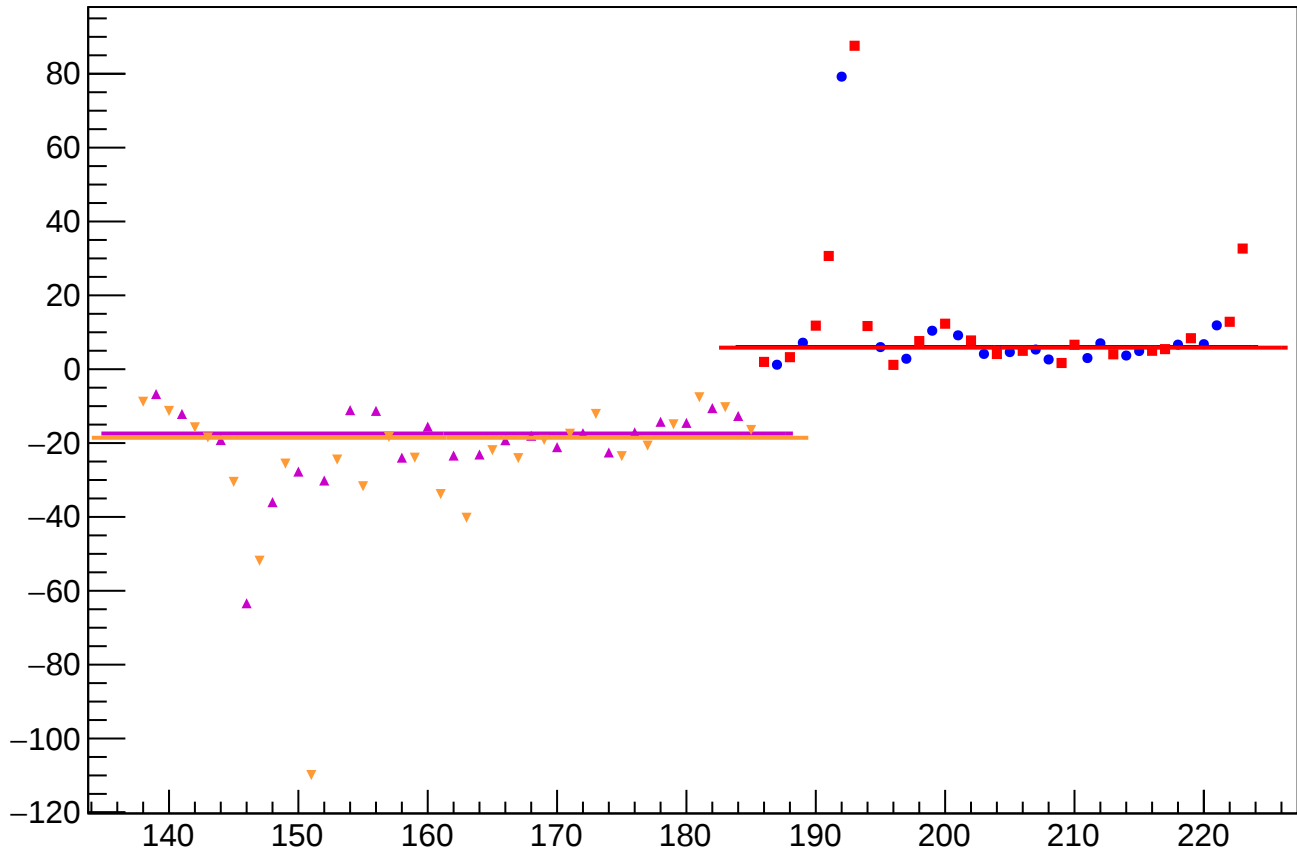
Left In: 0.090 $\pm$ 0.002 χ^2 /NDF: 3676.5/22

+ sign 0.144 $\pm$ 0.001 χ^2 /NDF: 21632.3/59

All: 0.133 $\pm$ 0.001 χ^2 /NDF: 64598.1/121

- sign 0.124 $\pm$ 0.001 χ^2 /NDF: 42849.7/61

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 6.013 ± 0.045 $\chi^2/\text{NDF}: 26487.1/17$

Left Out: -18.566 ± 0.040 $\chi^2/\text{NDF}: 86389.6/24$

Right Out: 5.838 ± 0.045 $\chi^2/\text{NDF}: 29172.6/19$

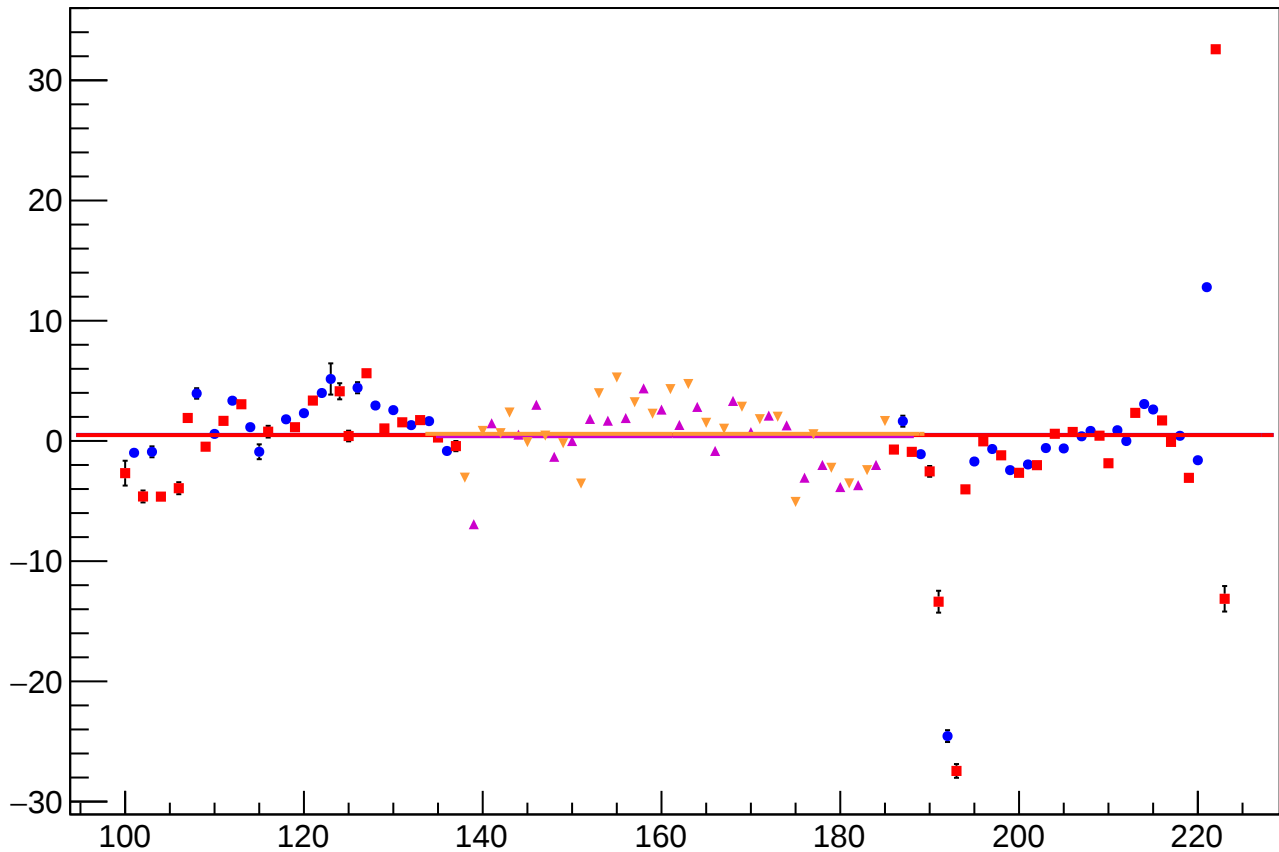
Left In: -17.414 ± 0.039 $\chi^2/\text{NDF}: 43504.1/22$

+ sign -7.797 ± 0.030 $\chi^2/\text{NDF}: 277505.8/42$

All: -7.567 ± 0.021 $\chi^2/\text{NDF}: 501903.6/85$

- sign -7.343 ± 0.030 $\chi^2/\text{NDF}: 224281.6/42$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.502 ± 0.046 $\chi^2/\text{NDF}: 5080.2/34$

Left Out: 0.591 ± 0.033 $\chi^2/\text{NDF}: 6796.5/24$

Right Out: 0.486 ± 0.044 $\chi^2/\text{NDF}: 11757.1/38$

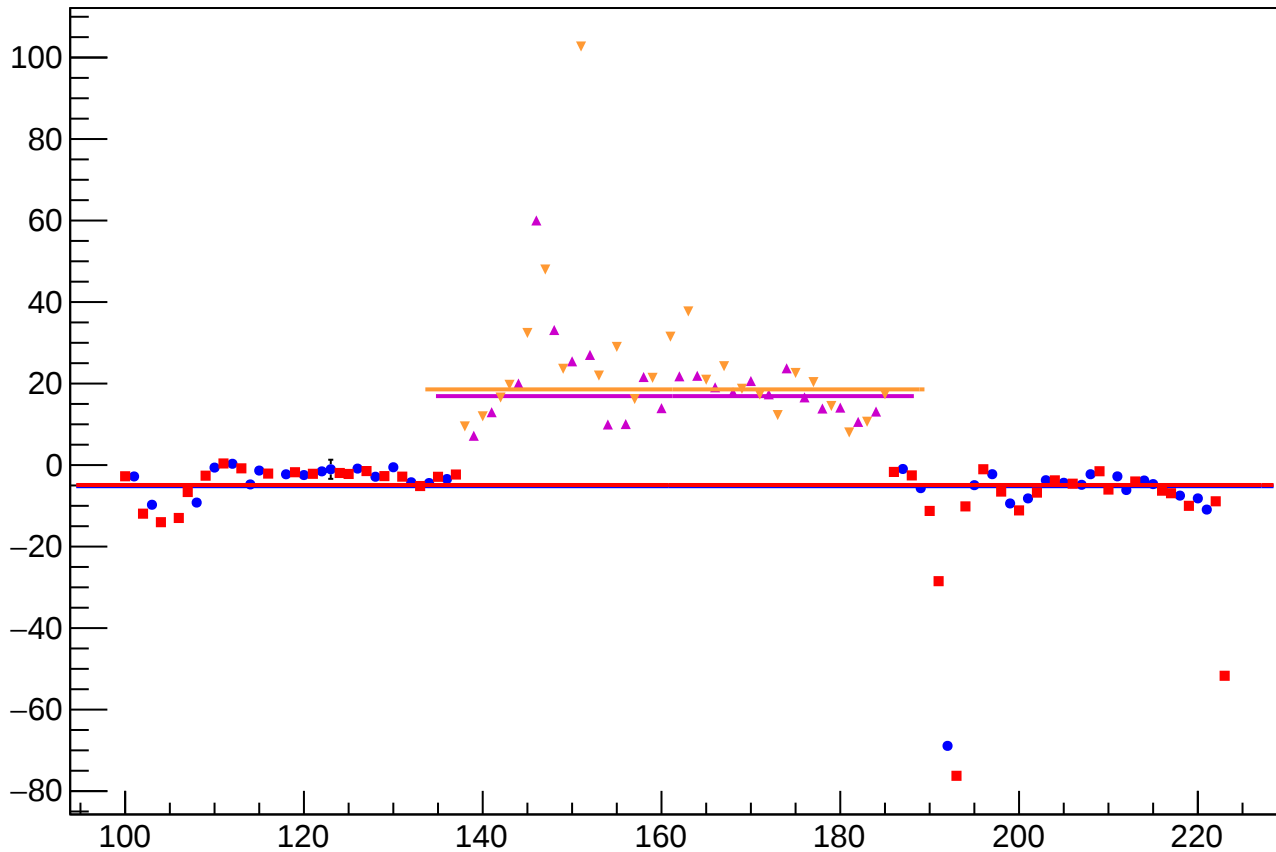
Left In: 0.394 ± 0.032 $\chi^2/\text{NDF}: 6059.8/22$

+ sign 0.560 ± 0.027 $\chi^2/\text{NDF}: 11879.1/59$

All: 0.490 ± 0.019 $\chi^2/\text{NDF}: 29712.0/121$

- sign 0.425 ± 0.026 $\chi^2/\text{NDF}: 17819.8/61$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.185 ± 0.041 χ^2/NDF : 27396.6/34

Left Out: 18.573 ± 0.040 χ^2/NDF : 76029.9/24

Right Out: -4.884 ± 0.039 χ^2/NDF : 33386.0/38

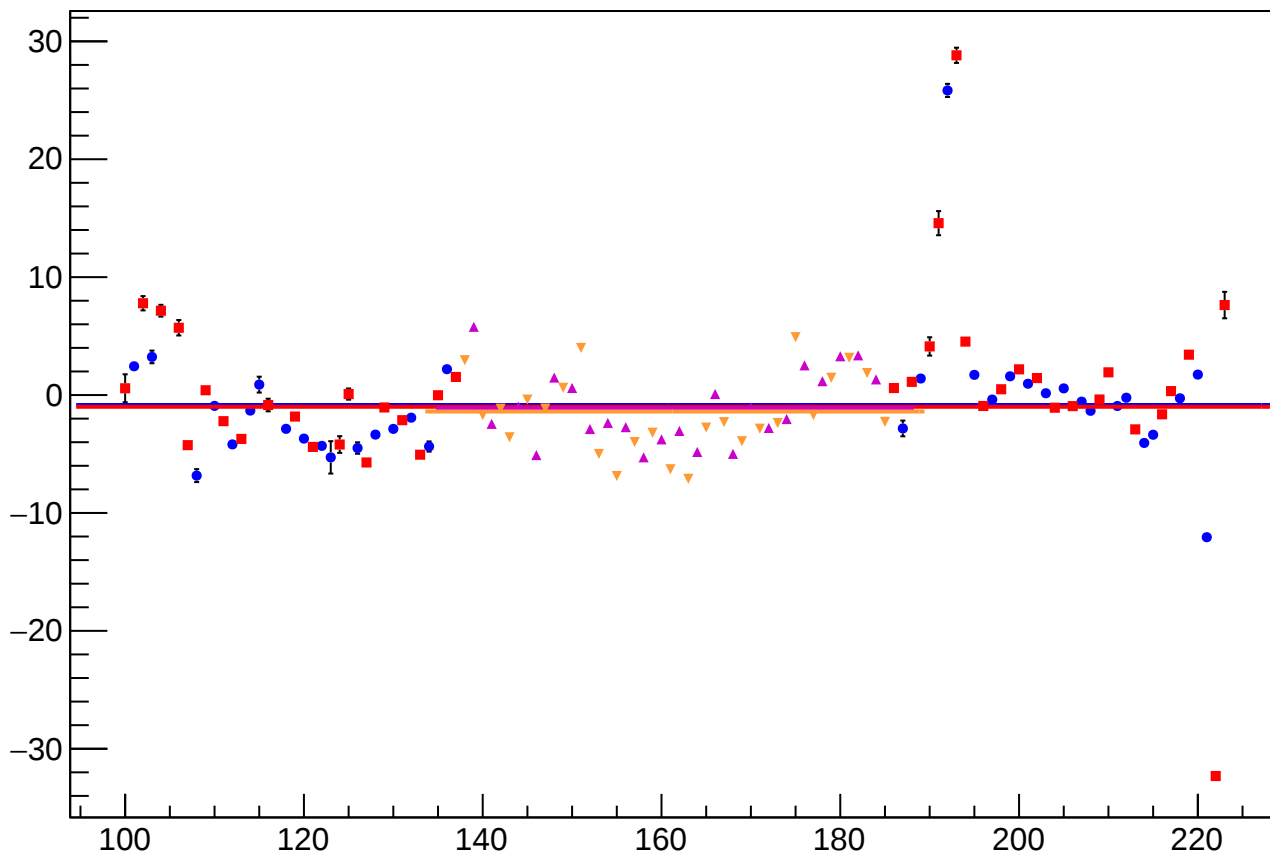
Left In: 16.919 ± 0.039 χ^2/NDF : 40154.5/22

+ sign 6.992 ± 0.029 χ^2/NDF : 273169.5/59

All: 6.514 ± 0.020 χ^2/NDF : 503399.3/121

- sign 6.076 ± 0.028 χ^2/NDF : 229702.7/61

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.845 ± 0.052 χ^2/NDF : 4893.0/34

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.995 ± 0.051 χ^2/NDF : 10804.1/38

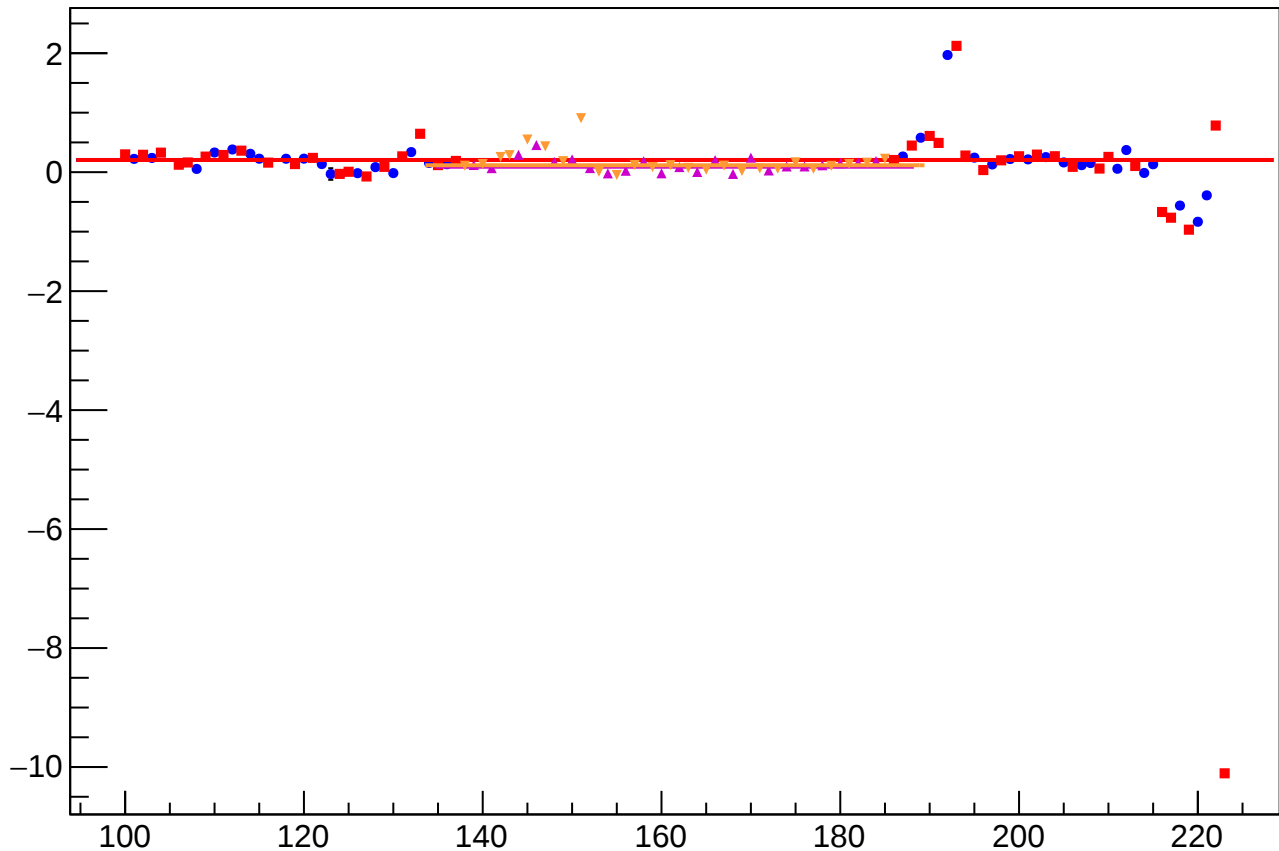
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.214 ± 0.030 χ^2/NDF : 12618.4/59

All: -1.149 ± 0.021 χ^2/NDF : 30034.2/121

- sign -1.089 ± 0.029 χ^2/NDF : 17406.9/61

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.002 χ^2/NDF : 15947.4/34

Left Out: 0.116 ± 0.002 χ^2/NDF : 4463.0/24

Right Out: 0.205 ± 0.002 χ^2/NDF : 37012.9/38

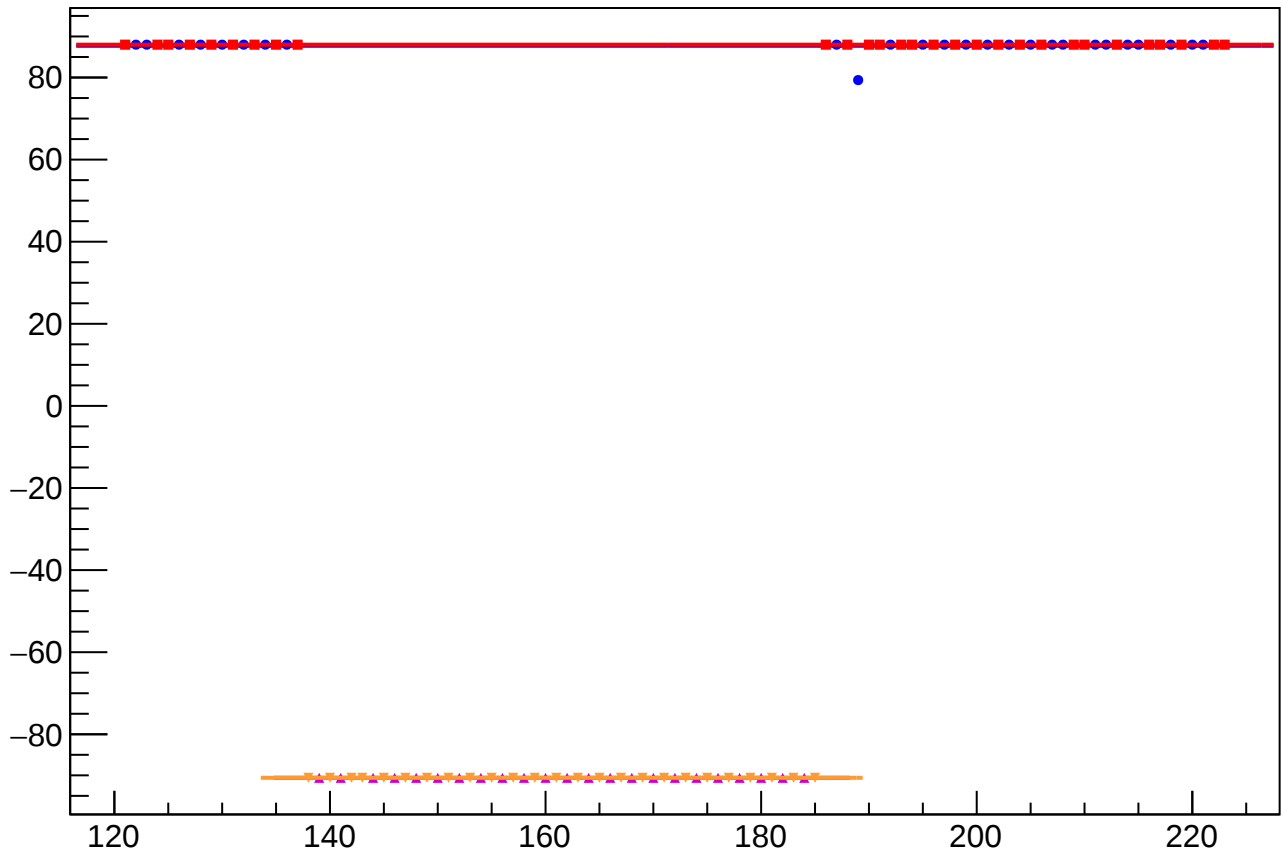
Left In: 0.092 ± 0.002 χ^2/NDF : 3631.4/22

+ sign 0.145 ± 0.001 χ^2/NDF : 21364.0/59

All: 0.135 ± 0.001 χ^2/NDF : 63728.6/121

- sign 0.127 ± 0.001 χ^2/NDF : 42265.8/61

VWienAngle_mean vs Slug



Right In: 87.743 ± 0.000 χ^2/NDF : 3682588891759479443677208448598016.0/25

Left Out: -90.599 ± 0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001 ± 0.000 χ^2/NDF : 1696770.4/28

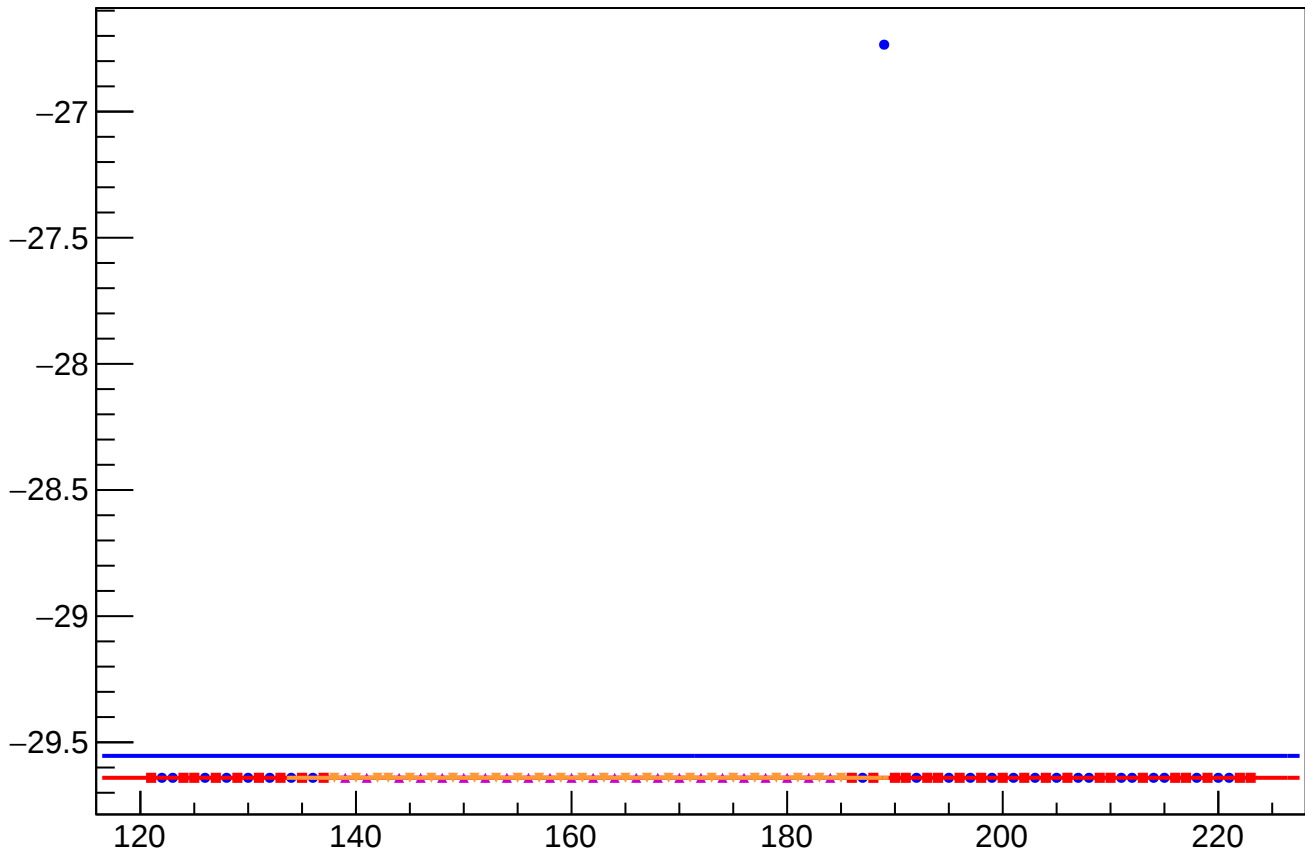
Left In: -90.599 ± 0.000 χ^2/NDF : 5932436.0/22

+ sign -6.485 ± 0.000 χ^2/NDF : 2865577809106130

All: -5.112 ± 0.000 χ^2/NDF : 5677520040015

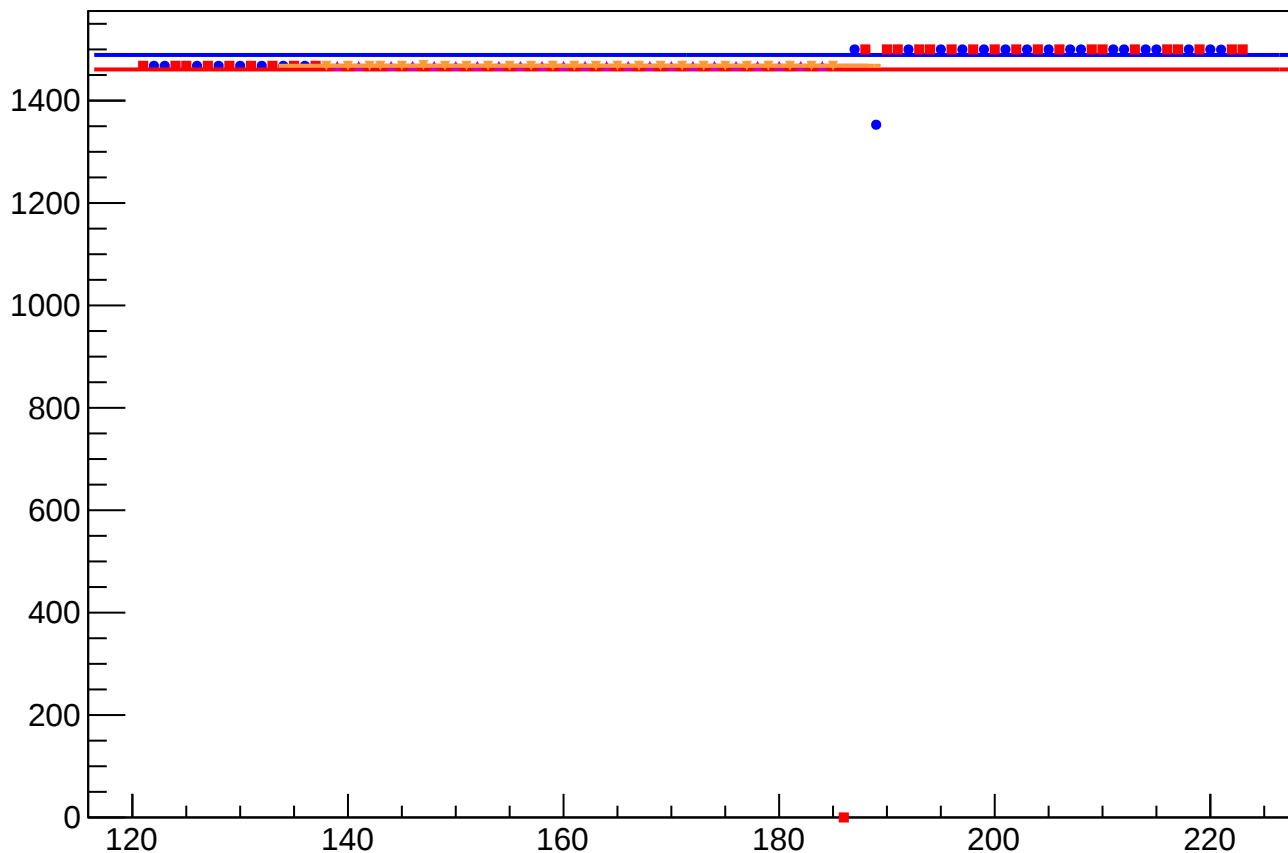
- sign -3.705 ± 0.000 χ^2/NDF : 28105620850853395

HWienAngle_mean vs Slug



Right In: -29.554 +/- 0.000 χ^2/NDF : 417789920075088245460483488874496.0/25
Left Out: -29.641 +/- 0.000 χ^2/NDF : 654199.2/24
Right Out: -29.641 +/- 0.000 χ^2/NDF : 1802843.8/28
Left In: -29.641 +/- 0.000 χ^2/NDF : 511825.6/22
+ sign -29.600 +/- 0.000 χ^2/NDF : 424596323615774
All: -29.620 +/- 0.000 χ^2/NDF : 427596828403
- sign -29.641 +/- 0.000 χ^2/NDF : 2541924.4/51

psub_pl_pos_mean vs Slug



Right In: 1489.214+/-0.000 χ^2/NDF : 1252174697287445862370957372155756544.0/25

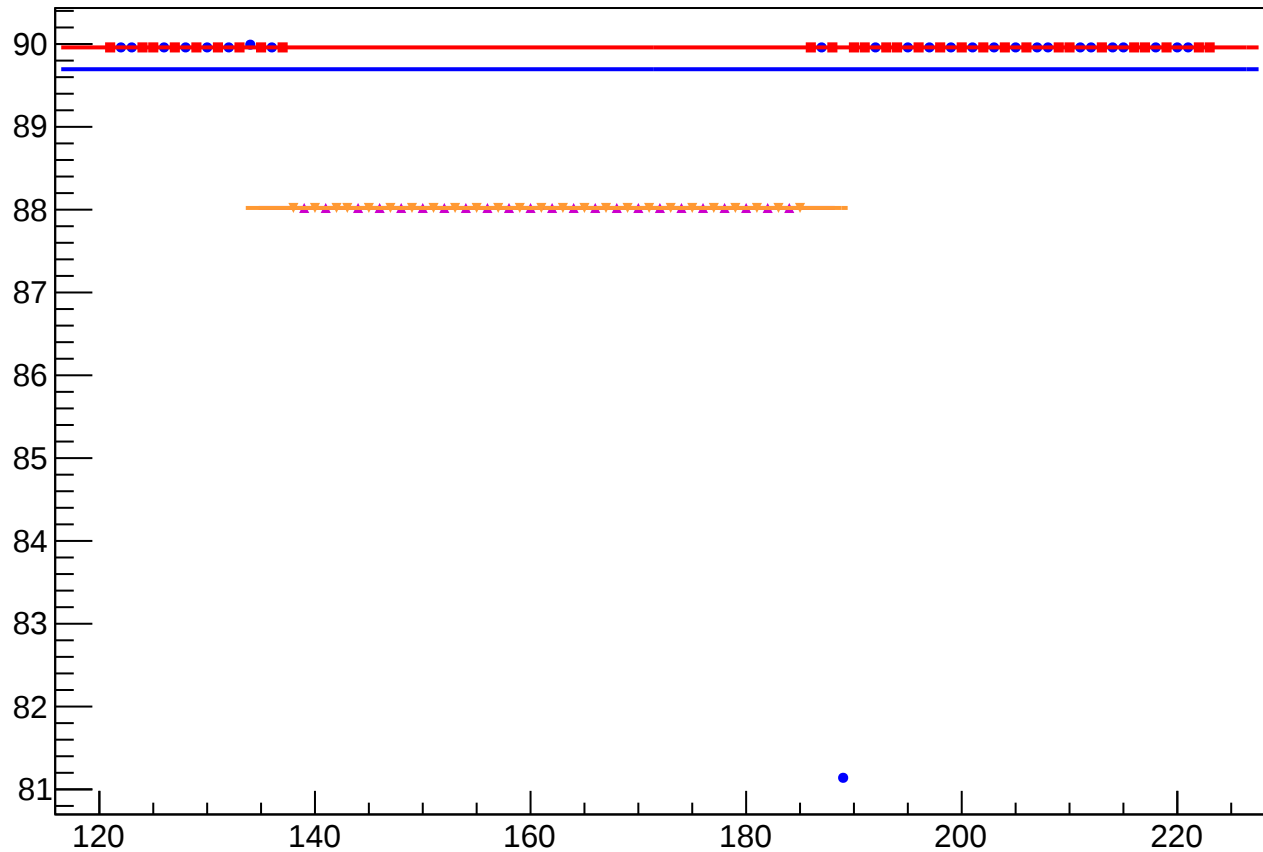
Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24

Right Out: 1460.869+/-0.000 χ^2/NDF : 83196308743894693481379698216963932160.0/28

Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

+ sign 1478.031+/-0.000 χ^2/NDF : 16558887388733
 All: 1471.362+/-0.000 χ^2/NDF : 85222461163
 - sign 1464.527+/-0.000 χ^2/NDF : 83241040128878

Phi_FG_mean vs Slug



Right In: 89.696 $\pm$ 0.000 χ^2 /NDF: 3848725509297740158888332444565504.0/25

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5326388.8/24

Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 5415044.2/28

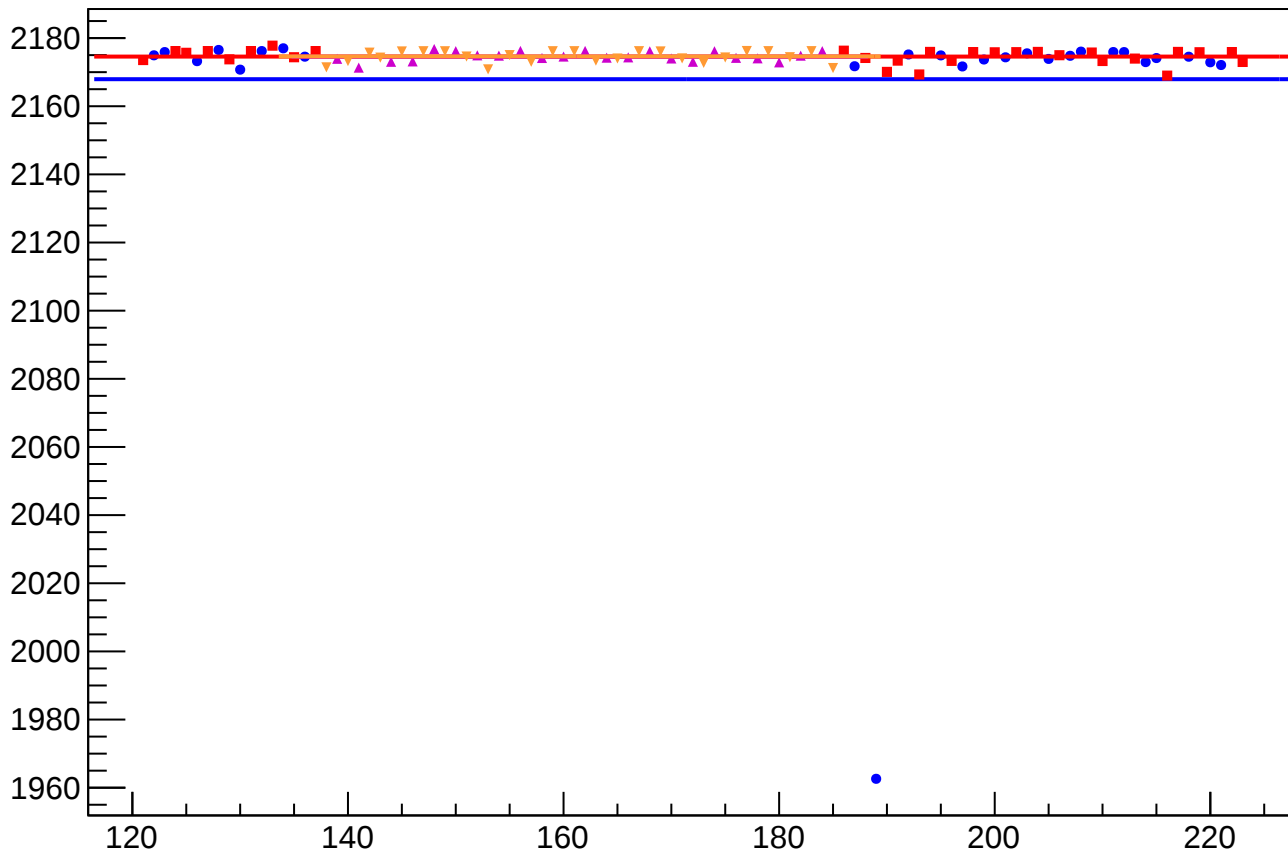
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6084099.2/22

+ sign 88.811 $\pm$ 0.000 χ^2 /NDF: 6376730217225780

All: 88.886 $\pm$ 0.000 χ^2 /NDF: 9729911796441

- sign 88.964 $\pm$ 0.000 χ^2 /NDF: 3311340879494197

HALLA_p_mean vs Slug



Right In: 2167.934+/-0.000 χ^2/NDF : 2219839644995694630990888960243269632.0/25

Left Out: 2174.622+/-0.000 χ^2/NDF : 5110578135476093110874911595823104.0/24

Right Out: 2174.572+/-0.000 χ^2/NDF : 7516147155092274367395566117191680.0/28

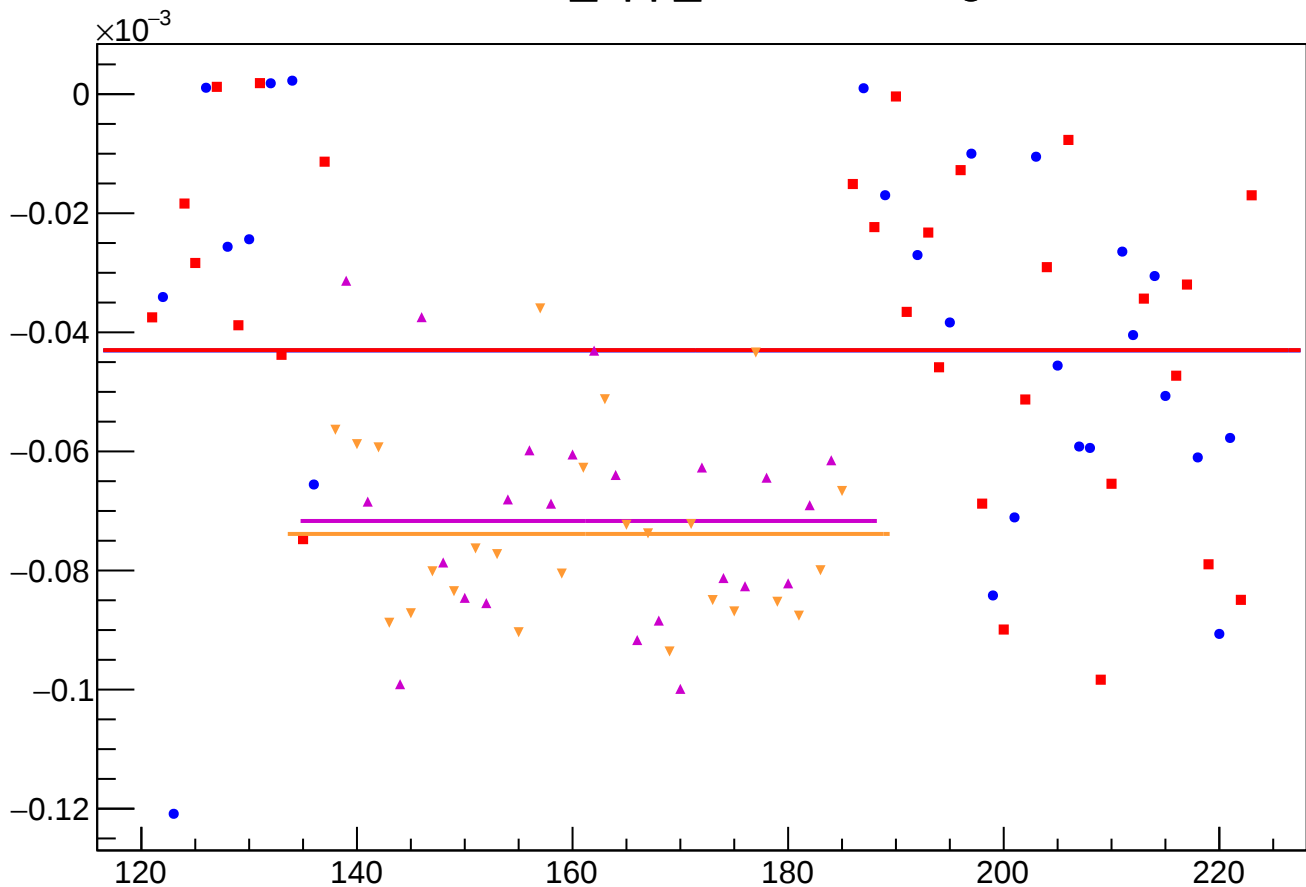
Left In: 2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2171.468+/-0.000 χ^2/NDF : 22652387812192

All: 2172.992+/-0.000 χ^2/NDF : 2293169485

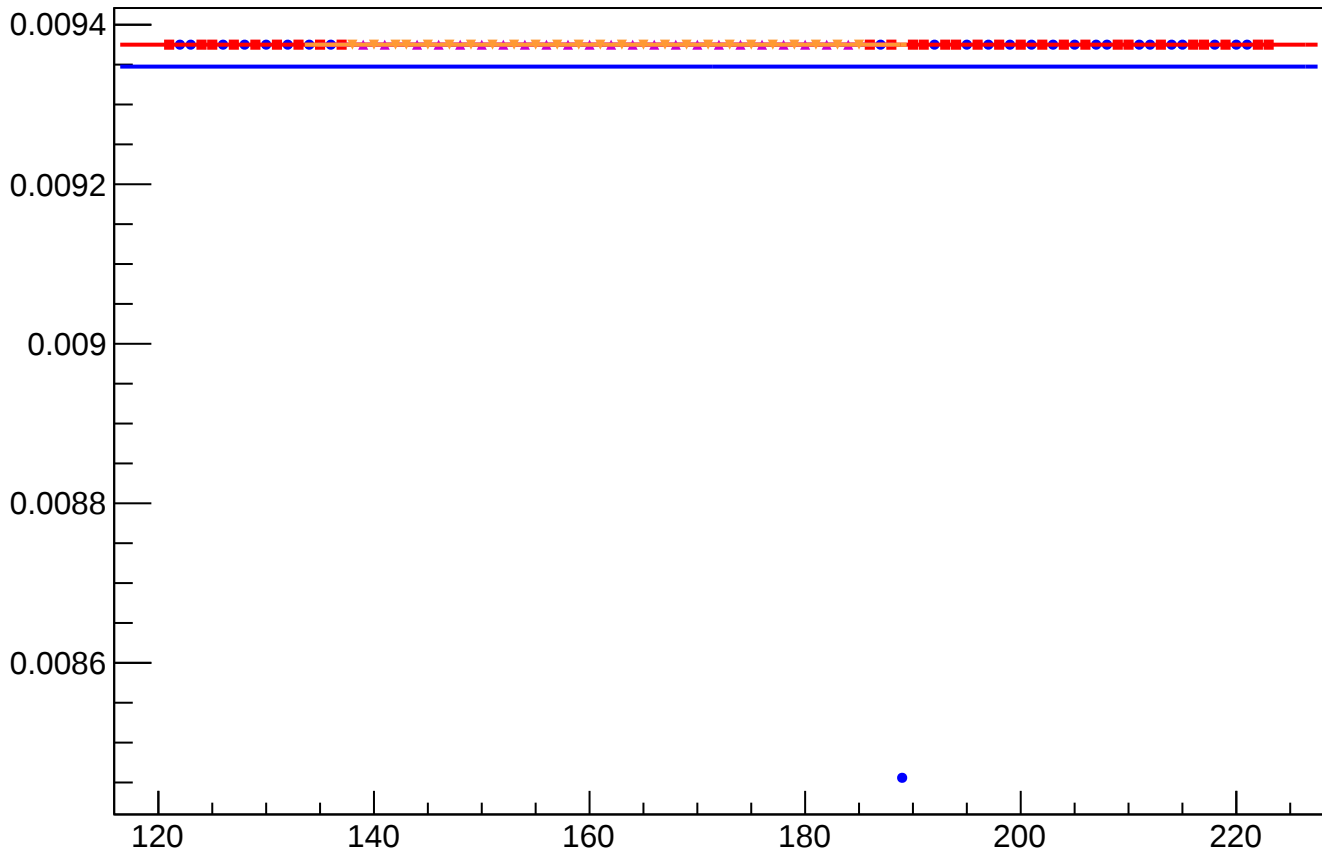
- sign 2174.555+/-0.000 χ^2/NDF : 10917832306817

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 1101987240659252536147968.0/25	+ sign -0.000+/-0.000	χ^2/NDF : 2407737123627913
Left Out: -0.000+/-0.000	χ^2/NDF : 450400934180541069000704.0/24	All: -0.000+/-0.000	χ^2/NDF : 5116533544344
Right Out: -0.000+/-0.000	χ^2/NDF : 1416517465040388286840832.0/28	- sign -0.000+/-0.000	χ^2/NDF : 2704197870092974
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 : 41794920864238976500760576.0/25

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/28

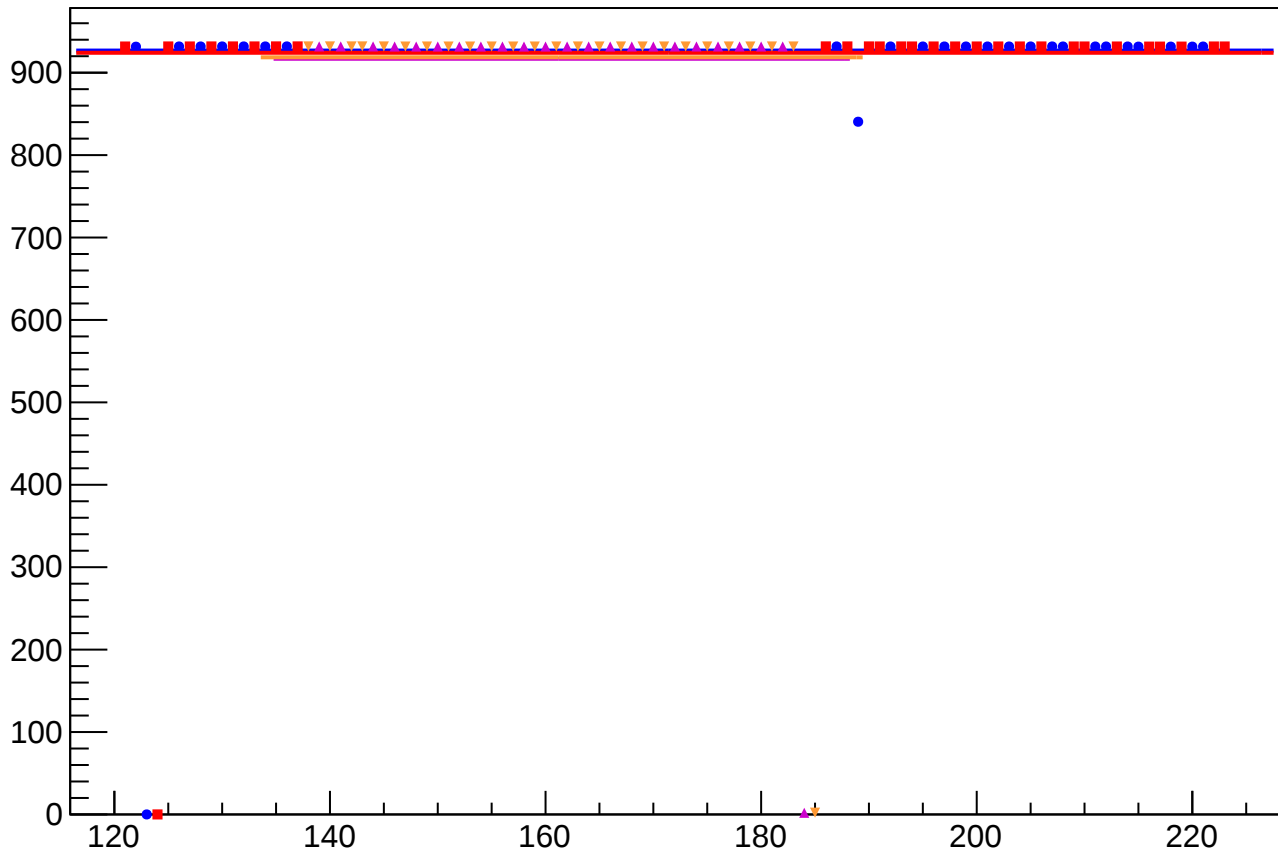
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42475820722478599

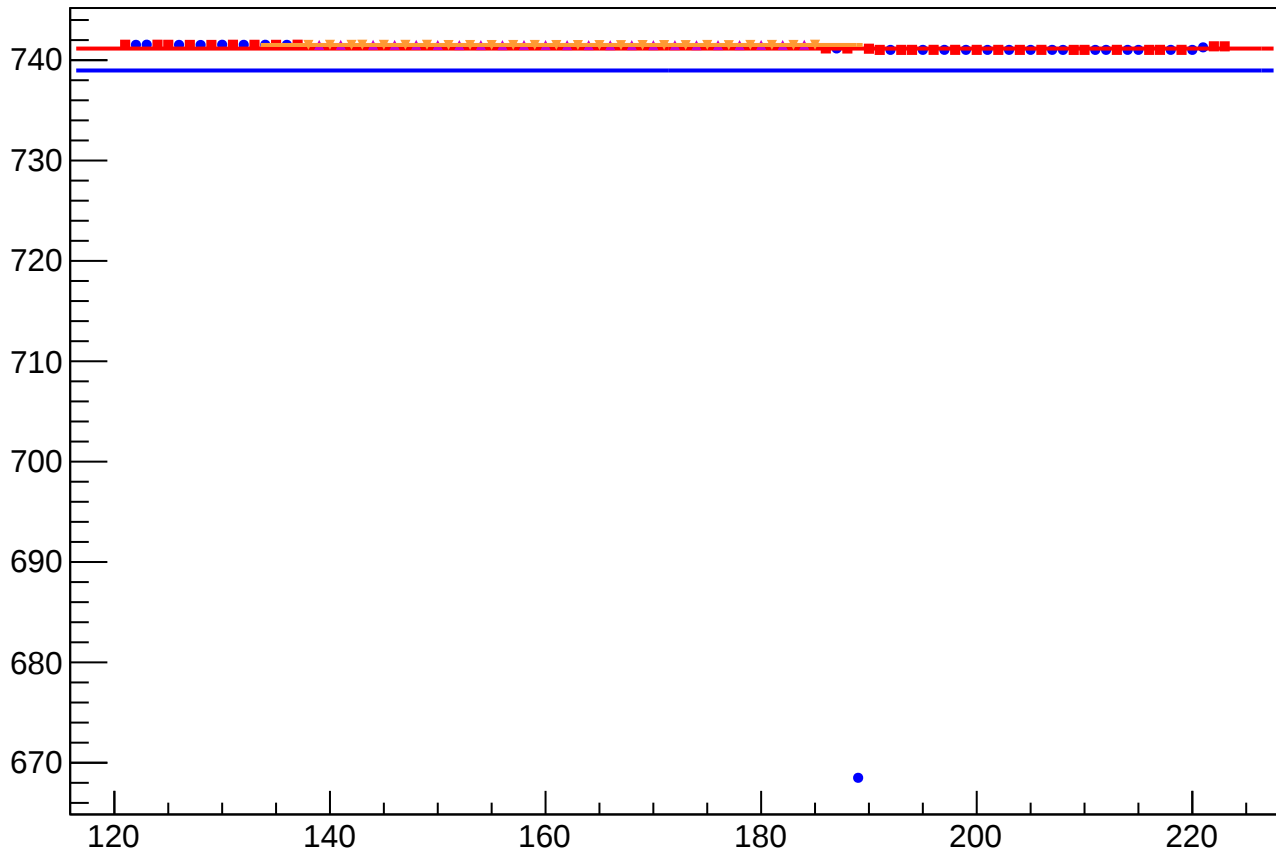
All: 0.009+/-0.000 χ^2/NDF : 42775985599886

- sign 0.009+/-0.000 χ^2/NDF : 0.2/51

HacL_Q2_HP3458A_IOUT_mean vs Slug



HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 738.971+/-0.000 χ^2/NDF : 261148903853801068794384966947438592.0/25

Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24

Right Out: 741.156+/-0.000 χ^2/NDF : 68532090095617496082321504206848.0/28

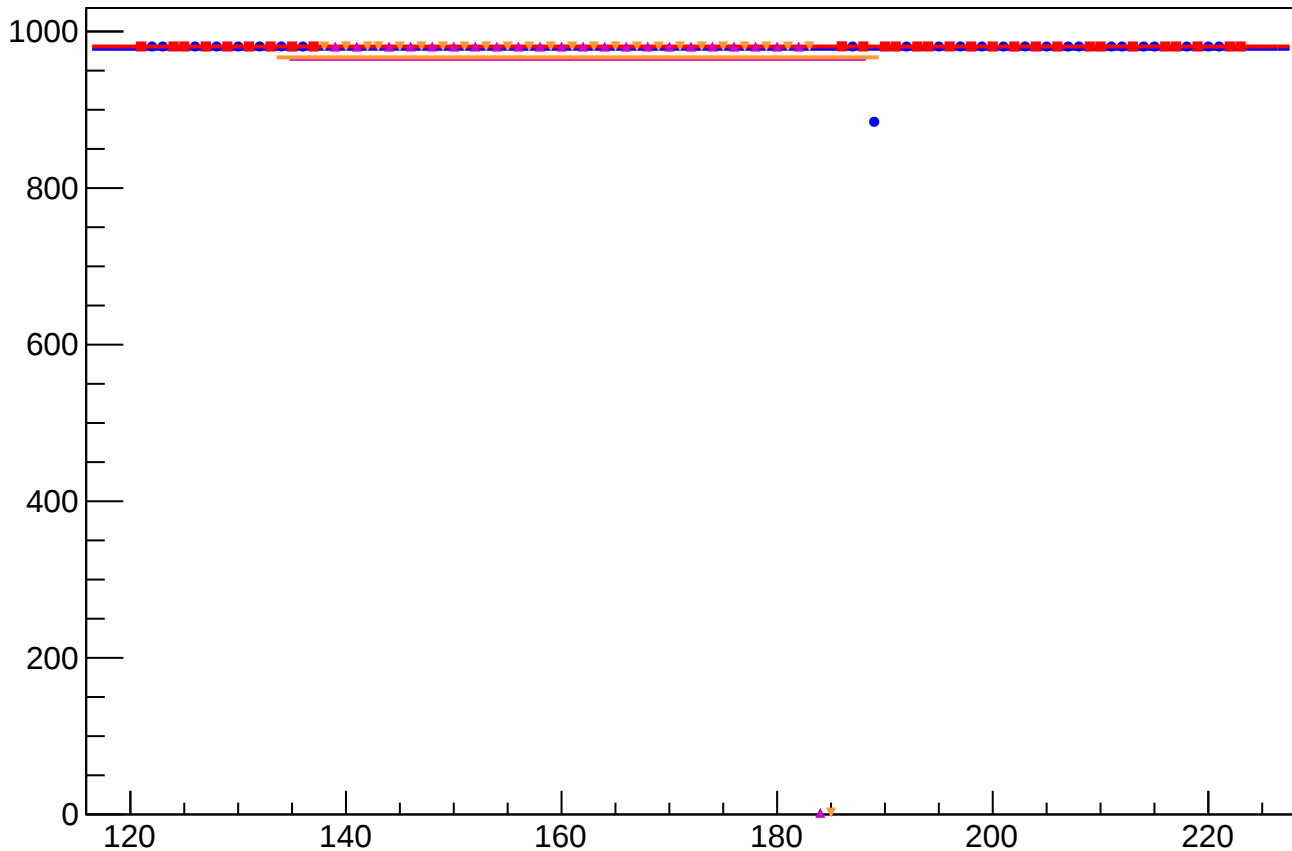
Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22

+ sign 740.314+/-0.000 χ^2/NDF : 266968727397924

All: 740.820+/-0.000 χ^2/NDF : 269024038647

- sign 741.339+/-0.000 χ^2/NDF : 180777376481731

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.932+/-0.000 χ^2/NDF : 457558497984735009745600284668723200.0/25

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.815+/-0.000 χ^2/NDF : 3551083815000487102544491839488.0/28

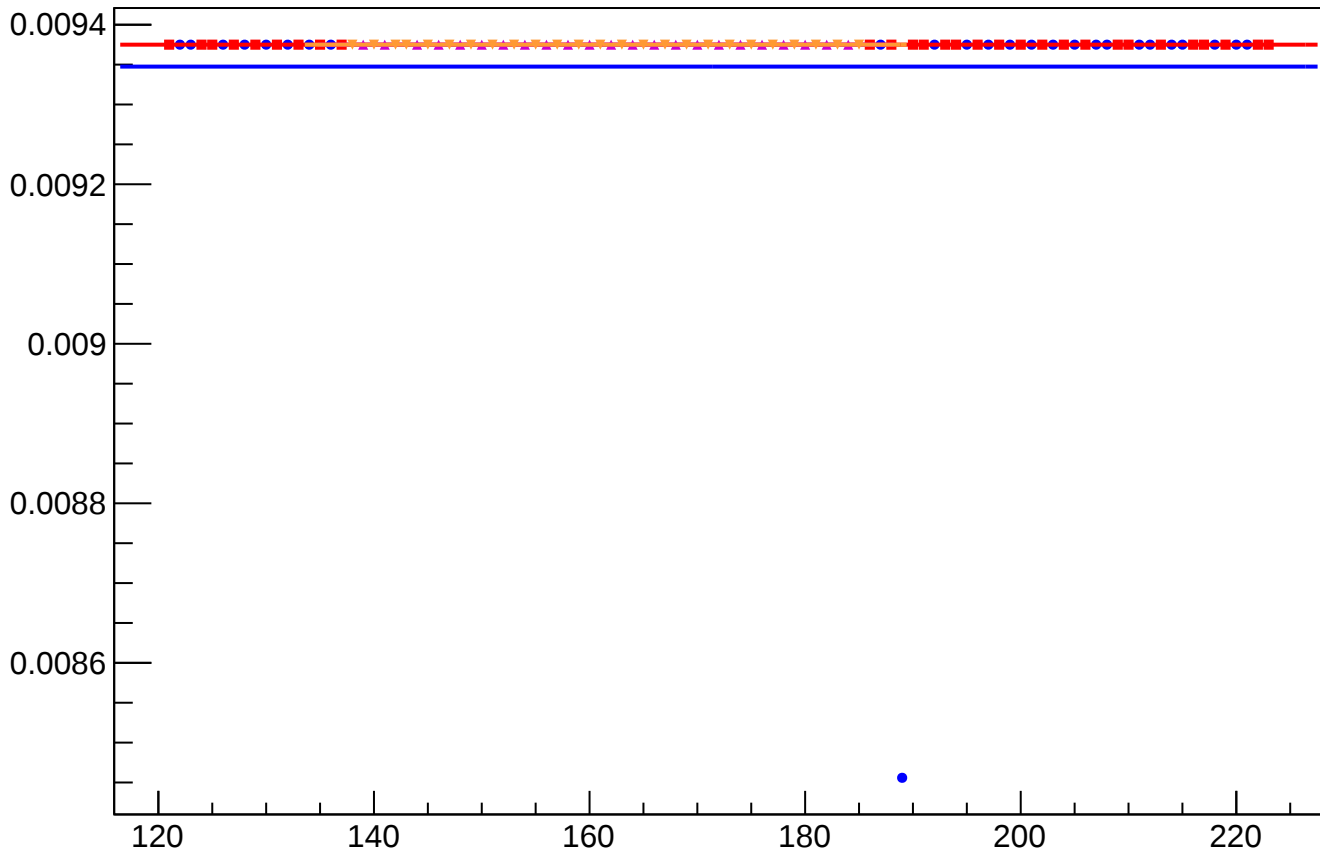
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 972.122+/-0.000 χ^2/NDF : 260520555056367

All: 972.431+/-0.000 χ^2/NDF : 53600618489

- sign 972.747+/-0.000 χ^2/NDF : 275478659271027

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41794920864238976500760576.0/25

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/28

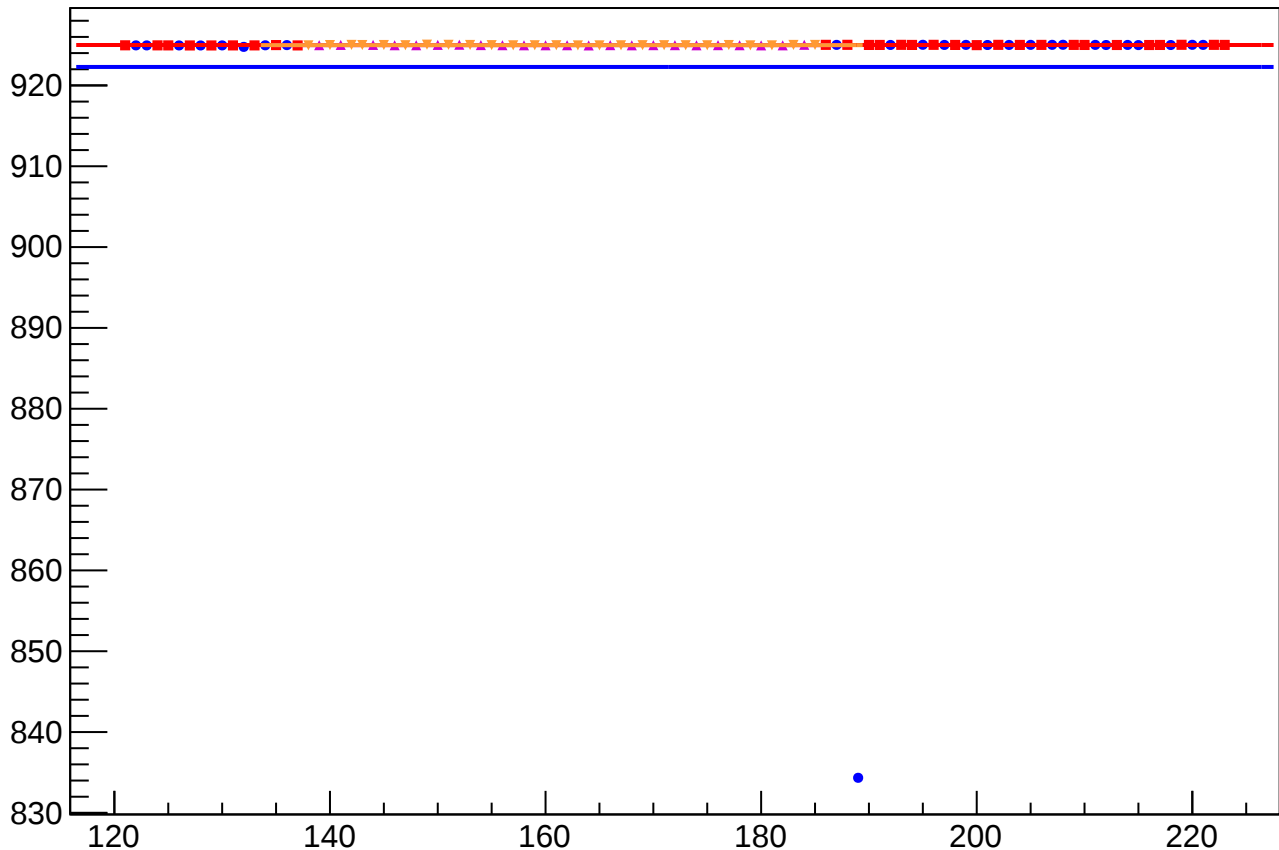
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42475820722478599

All: 0.009+/-0.000 χ^2/NDF : 42775985599888

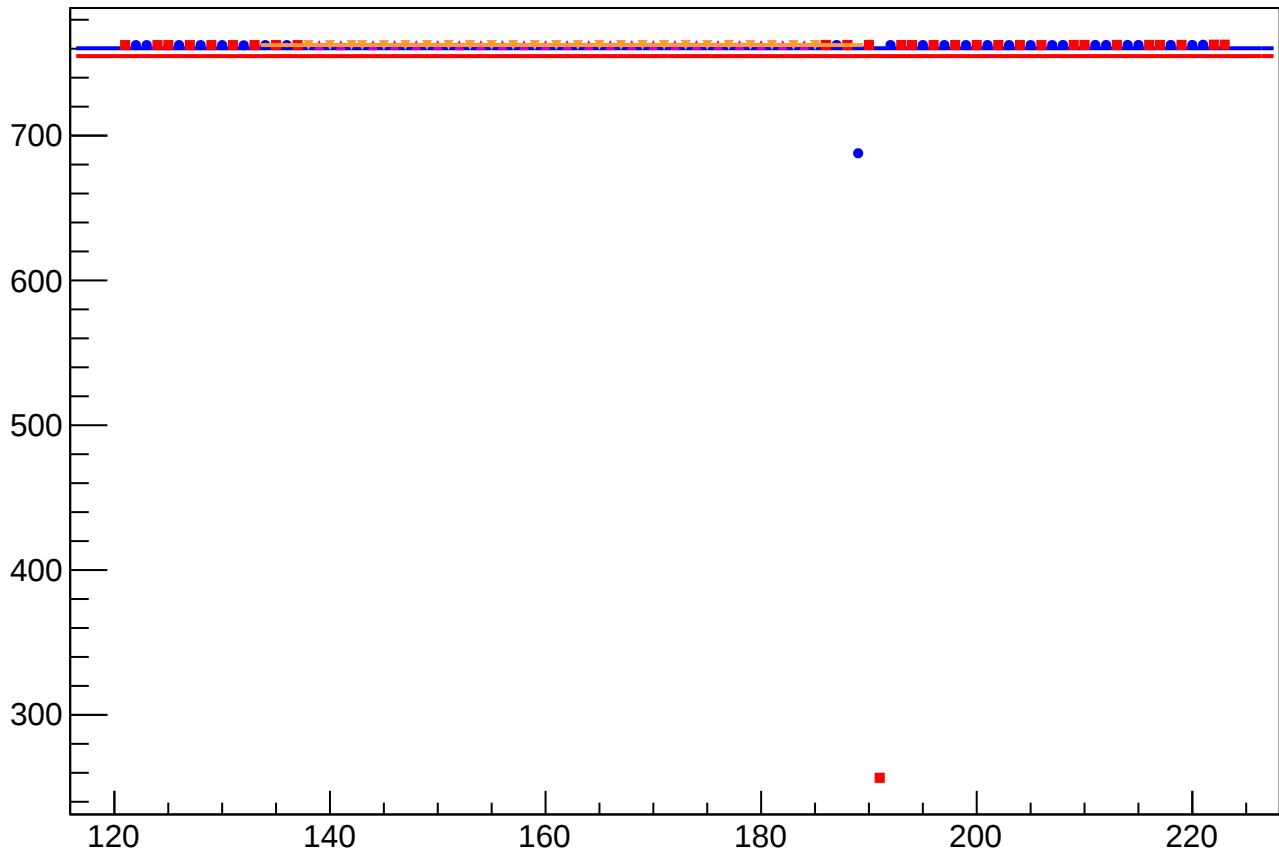
- sign 0.009+/-0.000 χ^2/NDF : 0.2/51

HacR_Q2_HP3458A_IOUT_mean vs Slug



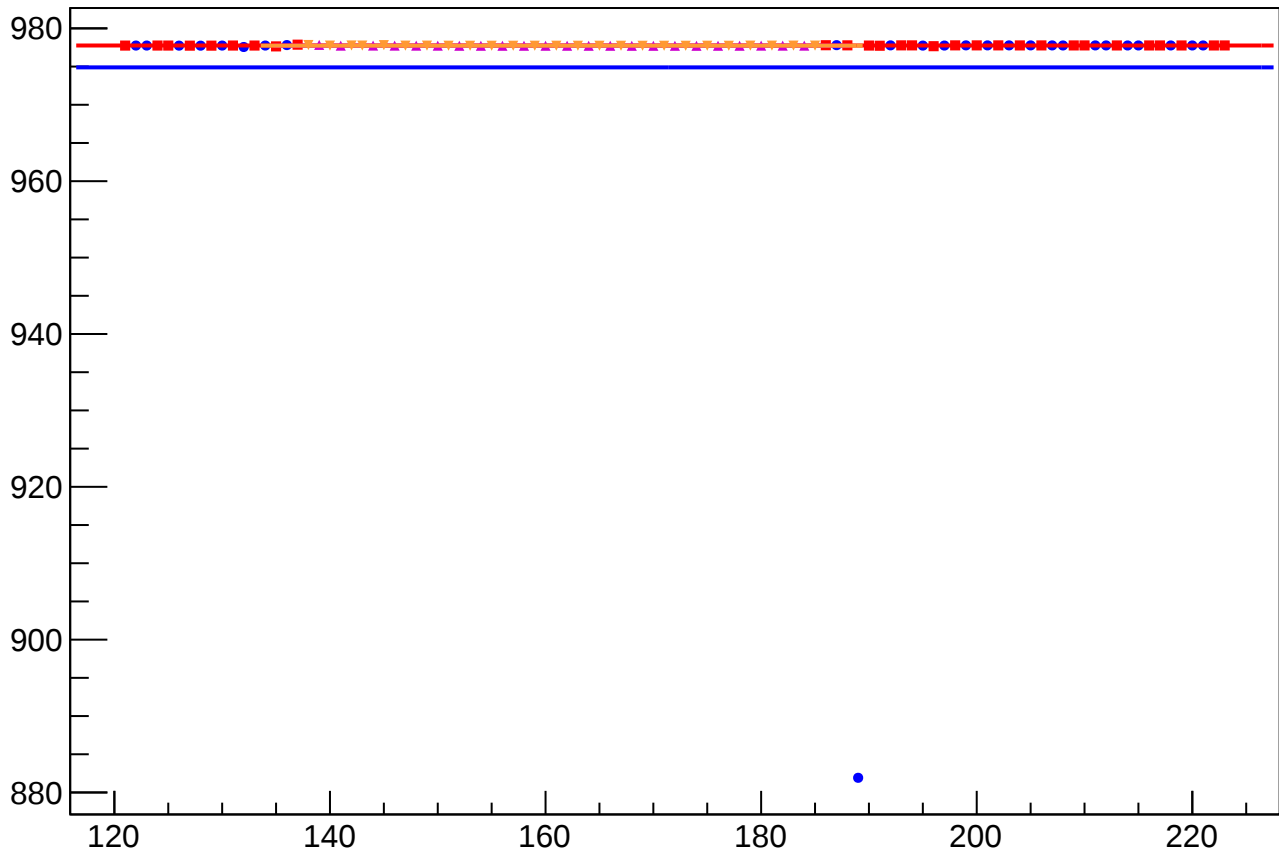
Right In: 922.285 $\pm$ 0.000 χ^2 /NDF: 406612005254480811470176495234711552.0/25
 Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1041831865443970524066476982272.0/24
 Right Out: 925.001 $\pm$ 0.000 χ^2 /NDF: 976412468994802122394745962496.0/28
 Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22
 + sign 923.710 $\pm$ 0.000 χ^2 /NDF: 413166690874792
 All: 924.343 $\pm$ 0.000 χ^2 /NDF: 416100453915
 - sign 924.992 $\pm$ 0.000 χ^2 /NDF: 216858000677805

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 760.311+/-0.000 χ^2/NDF : 276335745240541217446448140013010944.0/25
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 754.894+/-0.000 χ^2/NDF : 6556329589248718045923159837593567232.0/28
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 760.160+/-0.000 χ^2/NDF : 69009972878.0/28
 + sign 761.477+/-0.000 χ^2/NDF : 280726185581631.0/28
 - sign 758.809+/-0.000 χ^2/NDF : 660756256589801.0/28

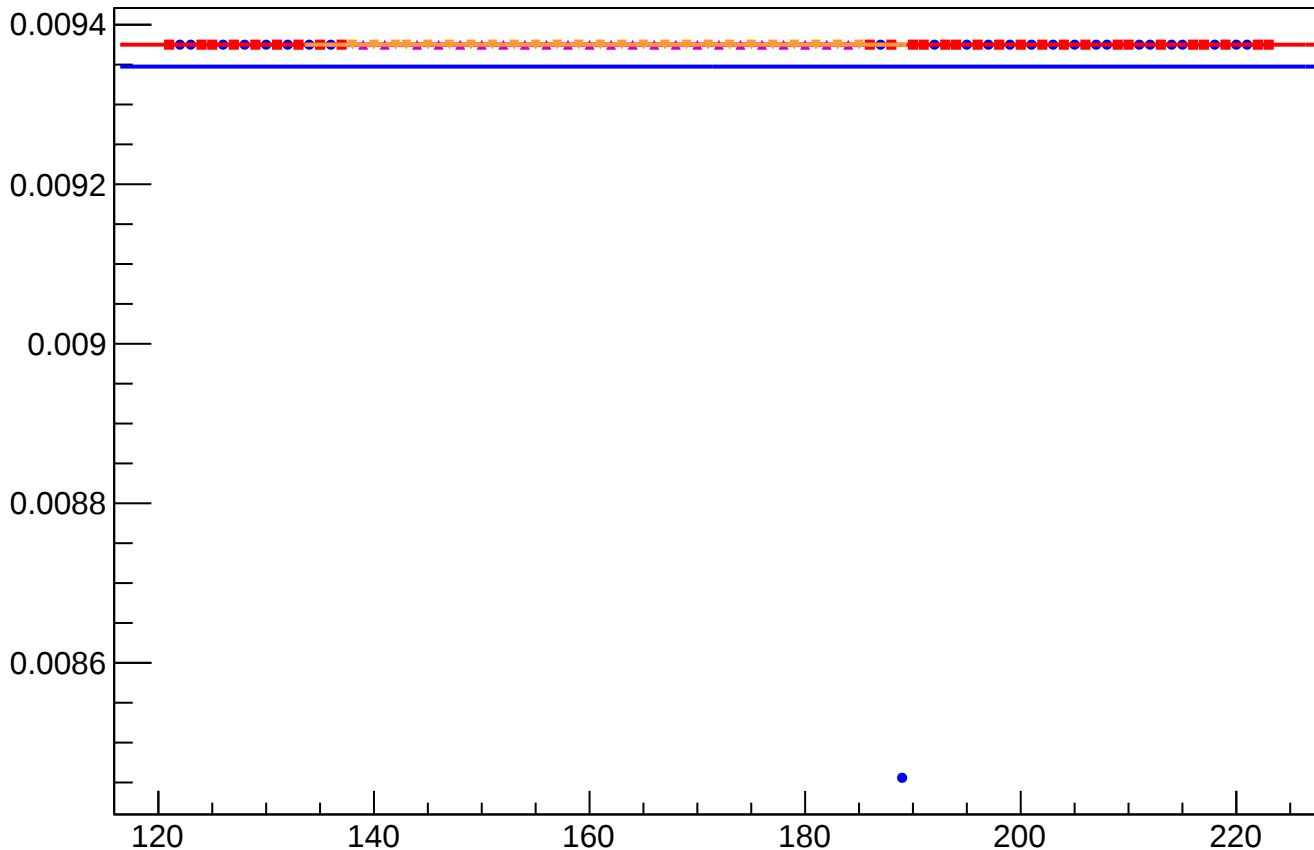
HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 974.894+/-0.000 χ^2/NDF : 454449478182273816096111713578909696.0/25
Left Out: 977.738+/-0.000 χ^2/NDF : 1154150409979077132991401558016.0/24
Right Out: 977.758+/-0.000 χ^2/NDF : 1863653753527072000172732973056.0/28
Left In: 977.735+/-0.000 χ^2/NDF : 976503887937607318263199432704.0/22

+ sign 976.396+/-0.000 χ^2/NDF : 461735464115465
All: 977.063+/-0.000 χ^2/NDF : 464990181716
- sign 977.746+/-0.000 χ^2/NDF : 330831614449716

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41794920864238976500760576.0/25

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/28

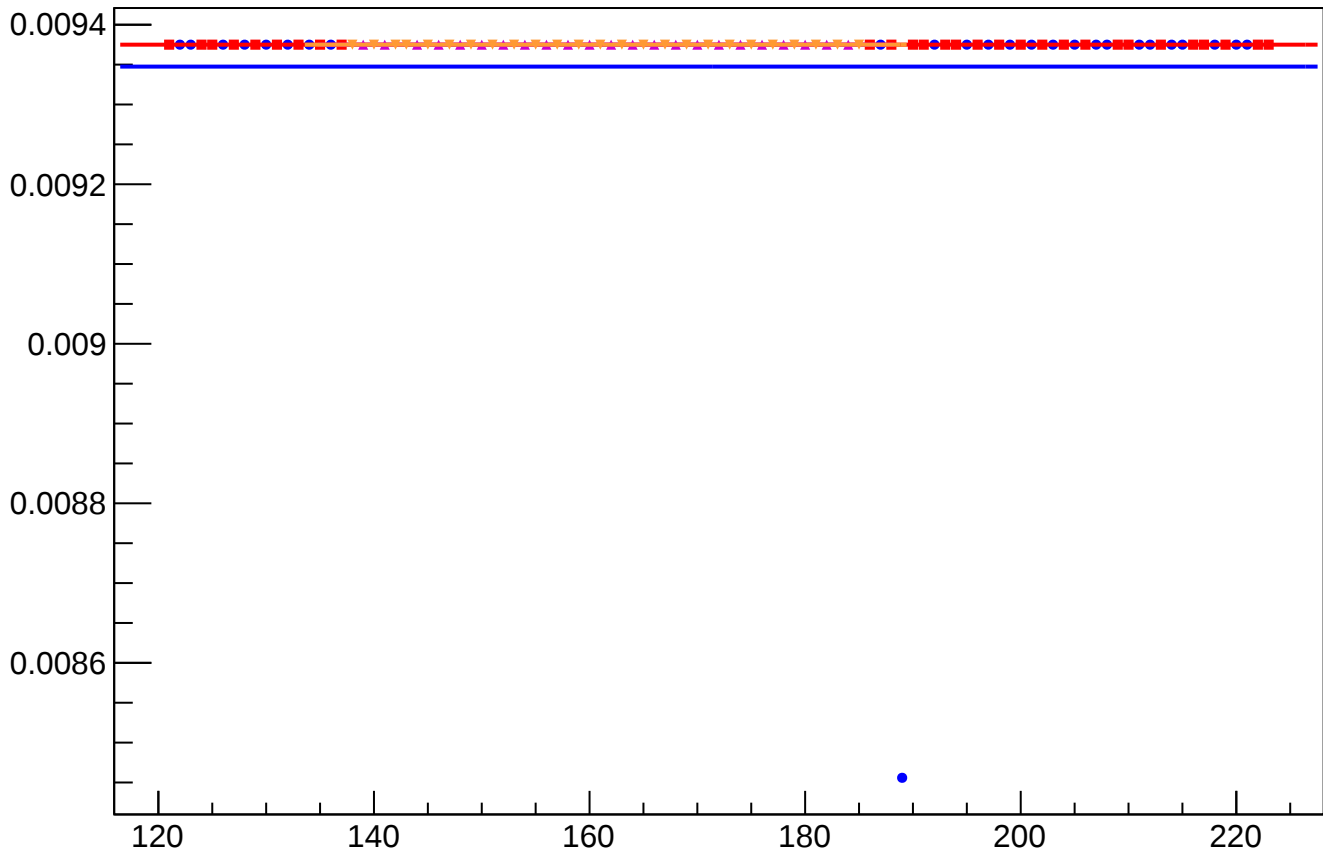
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42475820722478599

All: 0.009+/-0.000 χ^2/NDF : 42775985599886

- sign 0.009+/-0.000 χ^2/NDF : 0.2/51

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41794920864238976500760576.0/25

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/28

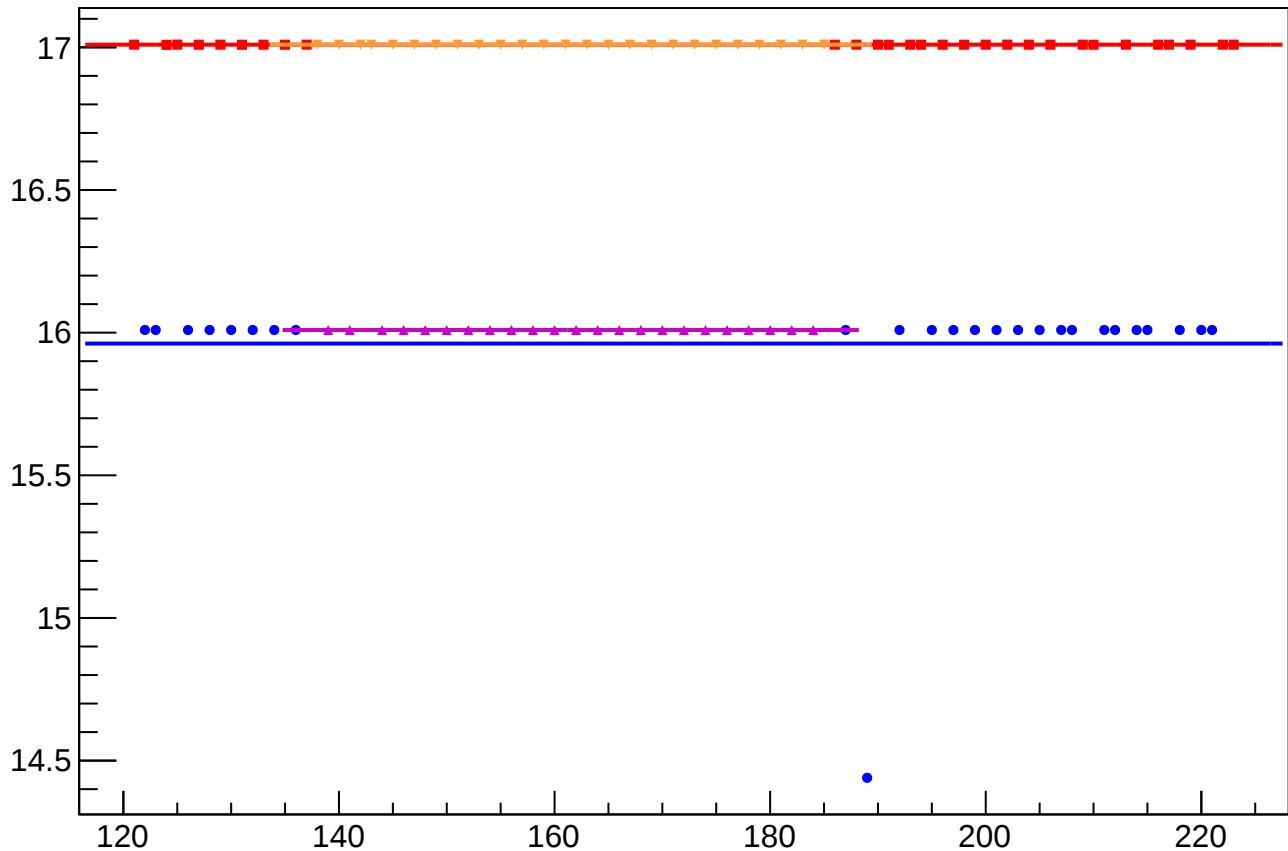
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42475820722478599

All: 0.009+/-0.000 χ^2/NDF : 42775985599886

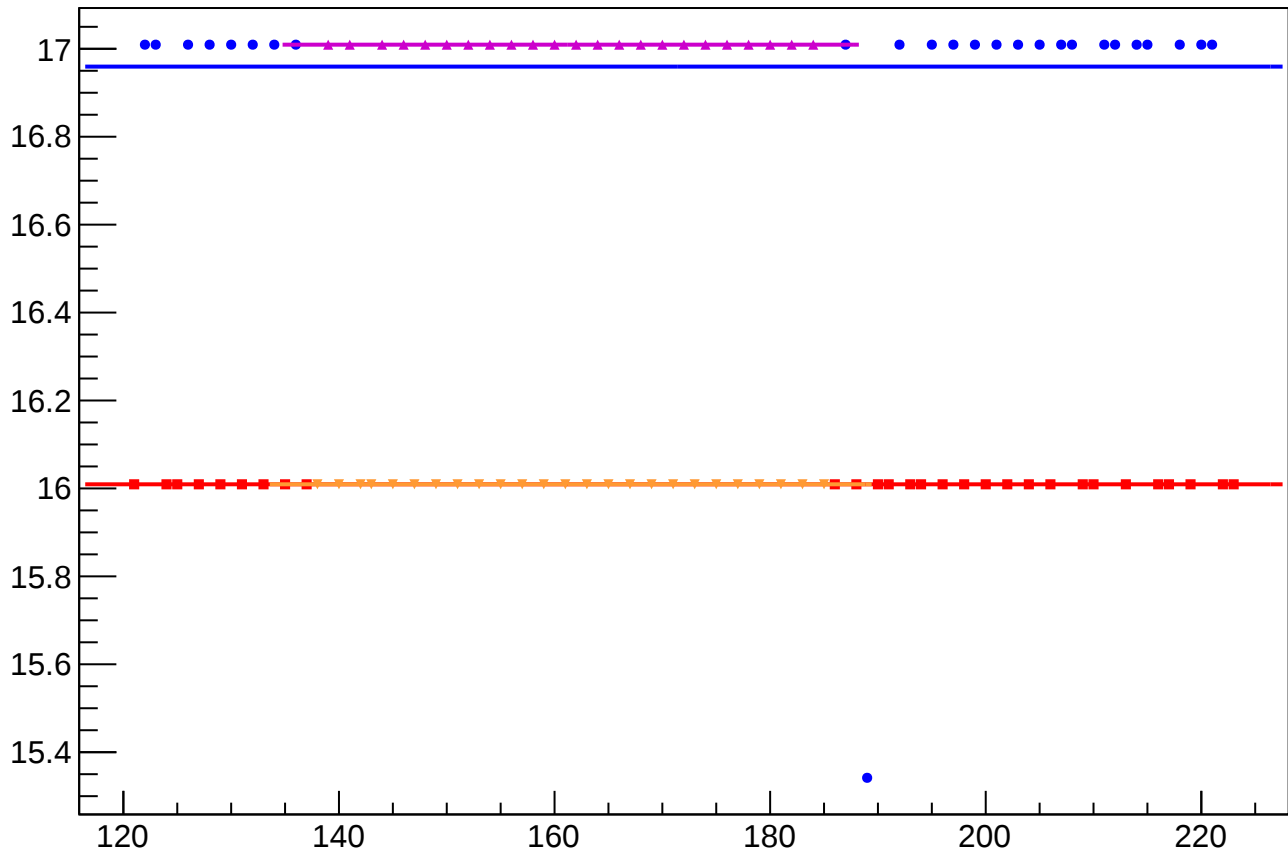
- sign 0.009+/-0.000 χ^2/NDF : 0.2/51

IGL1I00DI24_24M_mean vs Slug



Right In: 15.962 $\pm$ 0.000 χ^2 /NDF: 121819994942730203555189898608640.0/25
 Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26284444608576238643052544.0/24
 Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 18945967423278418346639360.0/28
 Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127973174512756677672960.0/22

IGL1I00OD16_16_mean vs Slug



Right In: 16.959+/-0.000 χ^2/NDF : 137579657750167462864864910770176.0/25

Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24

Right Out: 16.009+/-0.000 χ^2/NDF : 280367.5/28

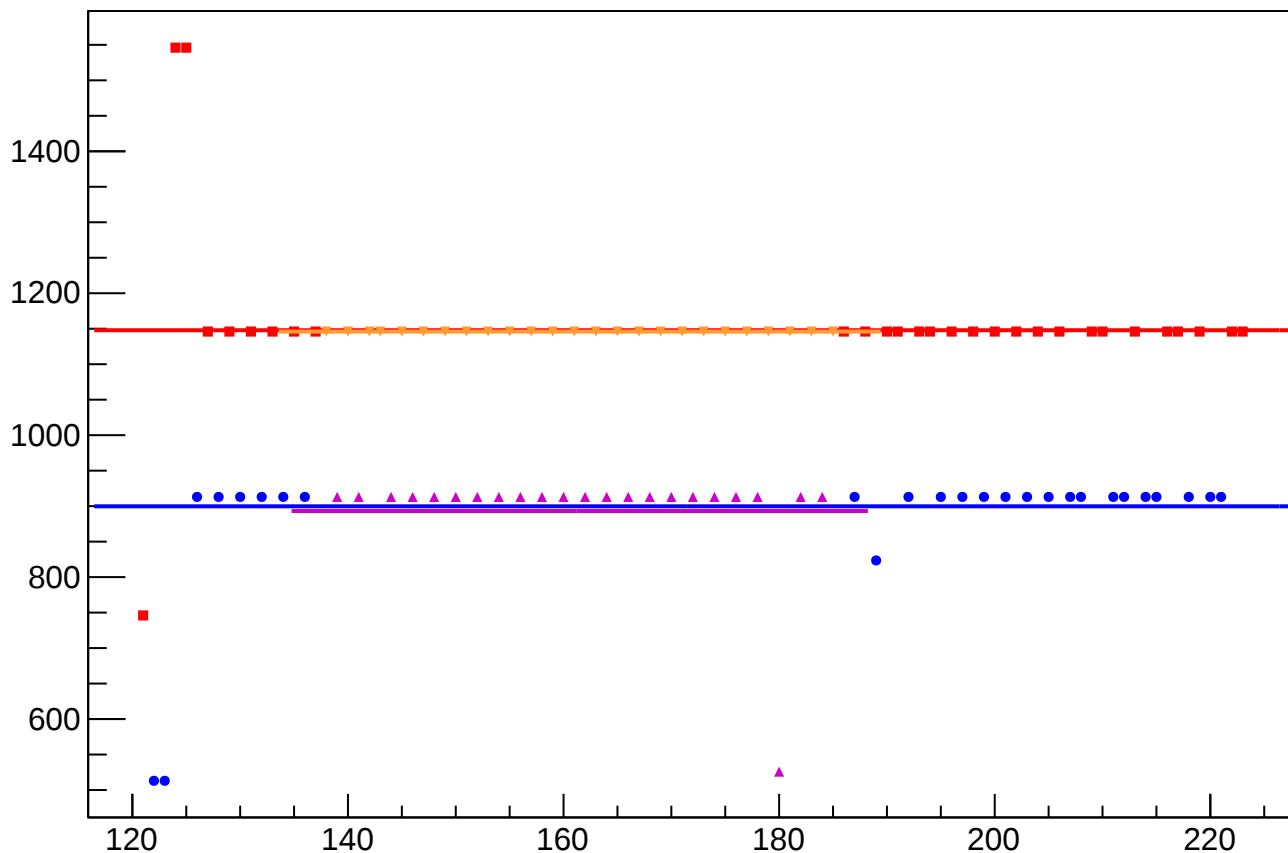
Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

+ sign 16.460+/-0.000 χ^2/NDF : 9459324287177176

All: 16.488+/-0.000 χ^2/NDF : 1821807075468

- sign 16.517+/-0.000 χ^2/NDF : 8703174254479796

RTPAPOSUCNT_mean vs Slug



Right In: 899.759+/-0.000 χ^2/NDF : 7310031348023830234312566084389044224.0/25

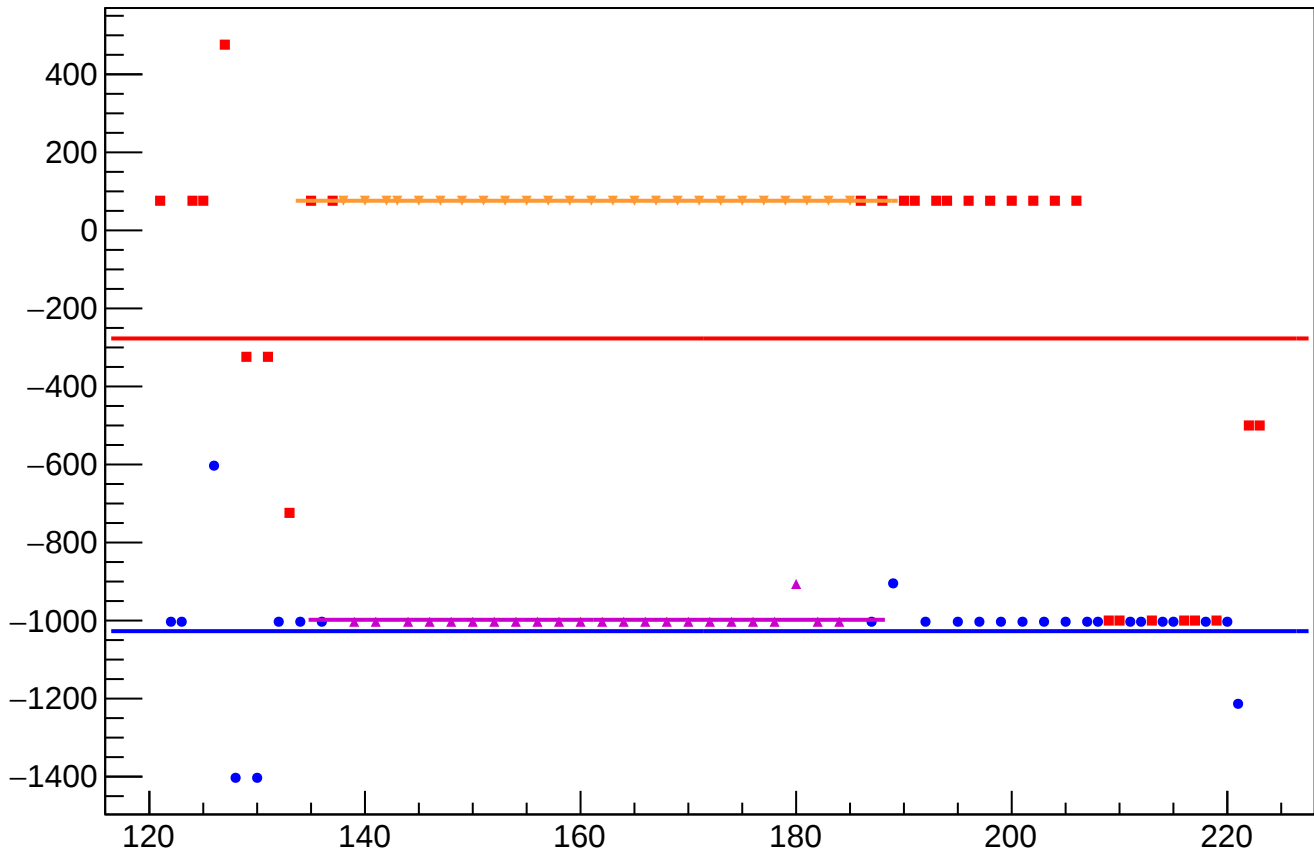
Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

Right Out: 1147.875+/-0.000 χ^2/NDF : 13754699496809884130963280677706924032.0/28

Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

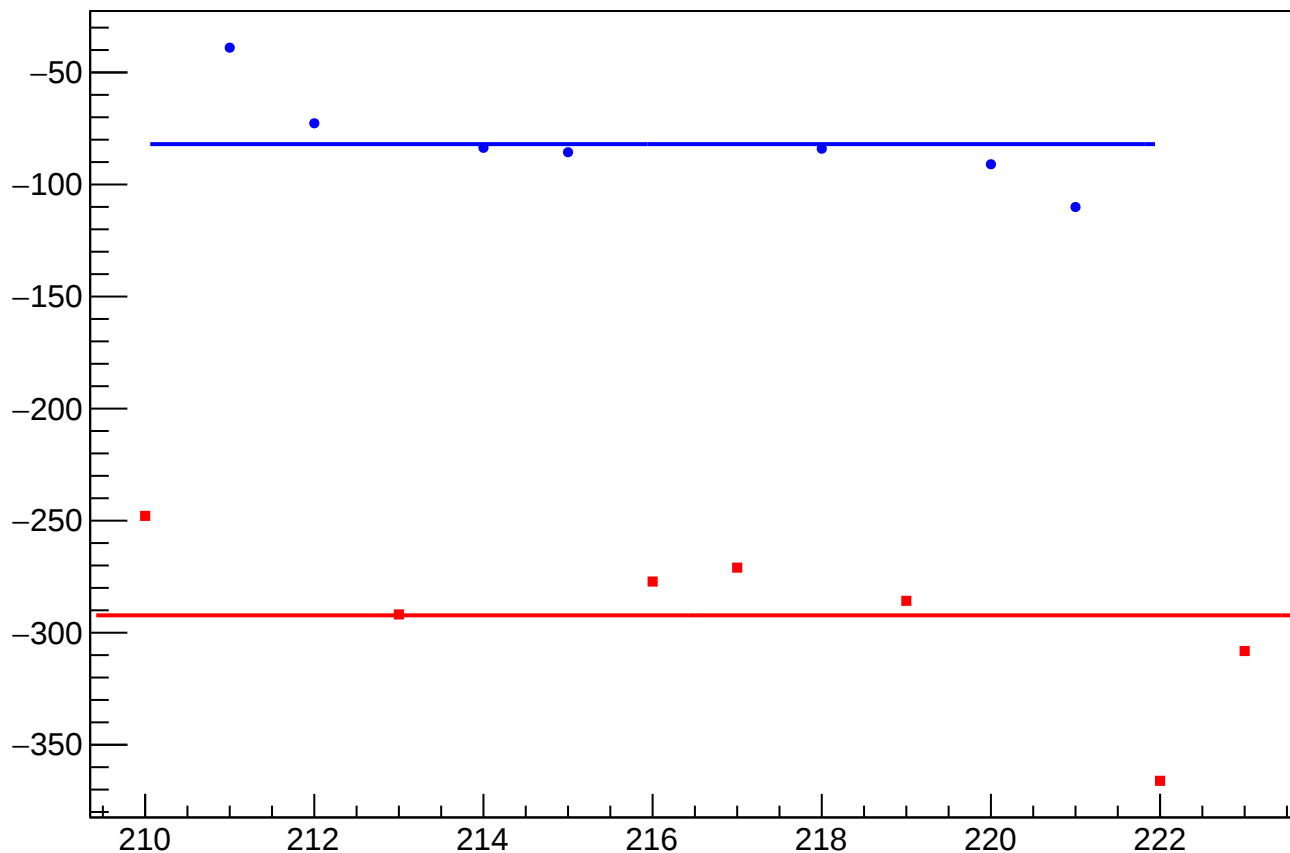
All: 1023.545+/-0.000 χ^2/NDF : 14638992638

RTPAPOSVCNT_mean vs Slug



Right In: -1027.142 ± 0.000 χ^2/NDF : 26946866227353315433142559360734461952.0/25
 Left Out: 76.011 ± 0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: -276.958 ± 0.000 χ^2/NDF : 399346558596049684408860244338160959488.0/28
 Left In: -998.020 ± 0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22

RTPPITA1CNT_mean vs Slug



Right In: -81.993 $\pm$ 0.000 χ^2 /NDF: 232965807440114543061160692918779904.0/6
+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

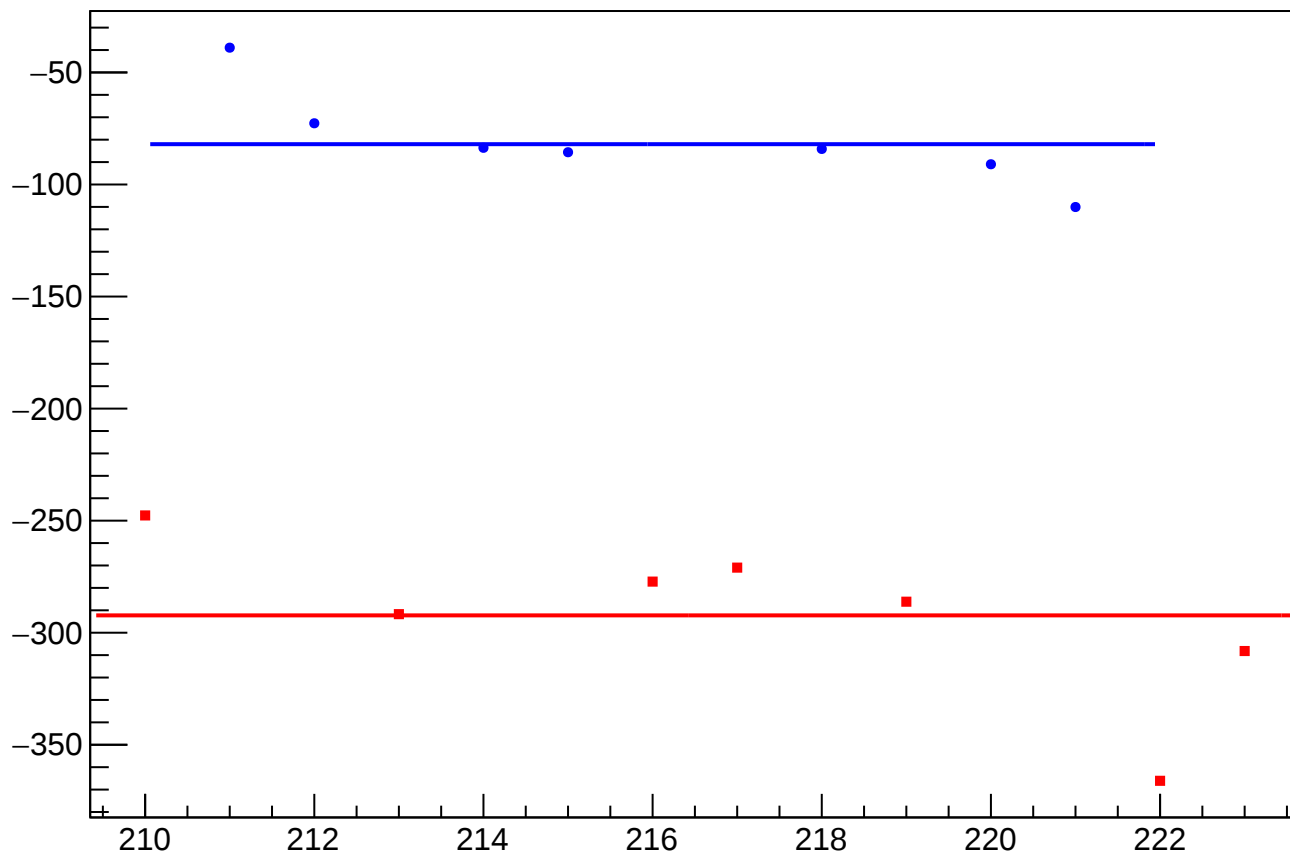
Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -180.466 $\pm$ 0.000 χ^2 /NDF: 12537301953

Right Out: -292.242 $\pm$ 0.000 χ^2 /NDF: 648017925402989825315105211202666496.0/6
- 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

RTPPITA2CNT_mean vs Slug



Right In: -82.009+/-0.000 χ^2/NDF : 233003960766820179277790849840185344.0/6

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -180.485+/-0.000 χ^2/NDF : 12538707977

Right Out: -292.263+/-0.000 χ^2/NDF : 648804010970058060234375515917516800.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0