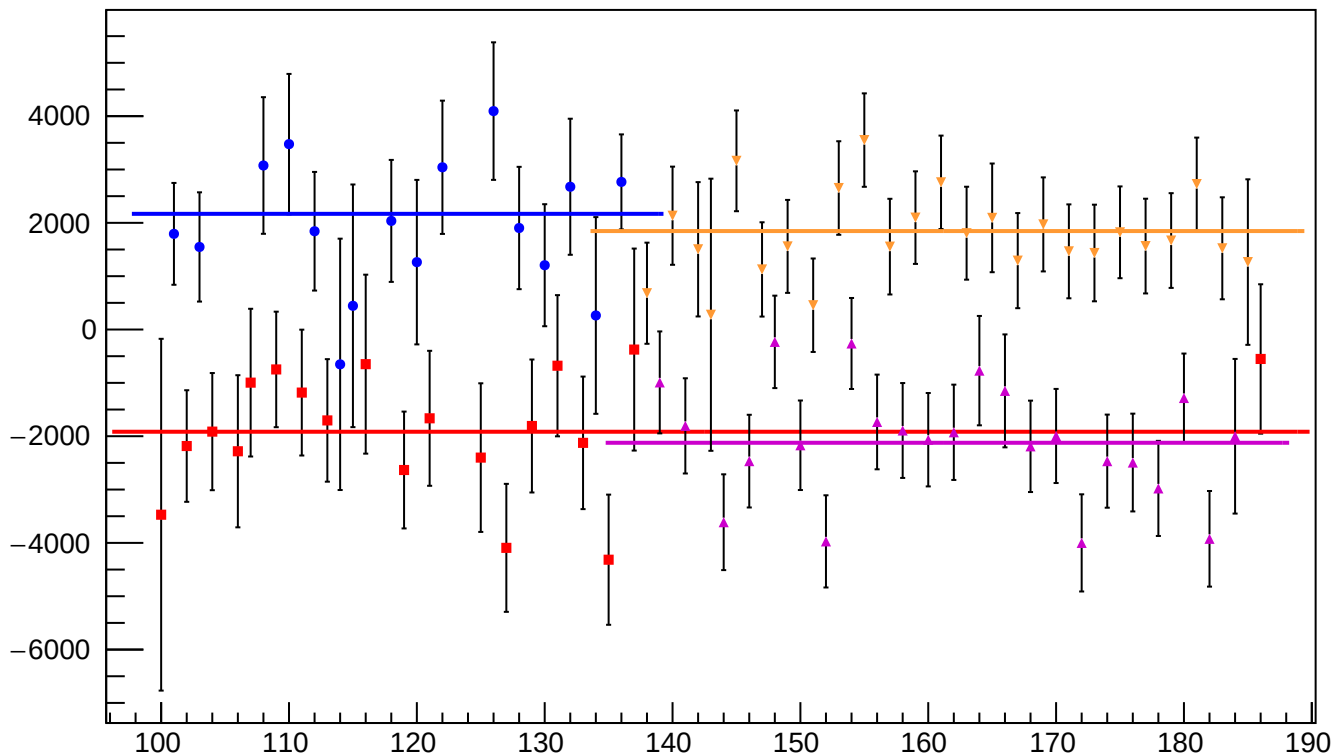


reg_asym_us_avg_mean vs Slug



Right In: 2168.910+/-308.001

χ^2/NDF : 9.6/15

+ sign 1932.758+/-159.784

χ^2/NDF : 25.9/40

Left Out: 1845.799+/-186.902

χ^2/NDF : 15.5/24

All: -76.375+/-112.665

χ^2/NDF : 385.9/82

Right Out: -1916.193+/-294.567

χ^2/NDF : 13.2/18

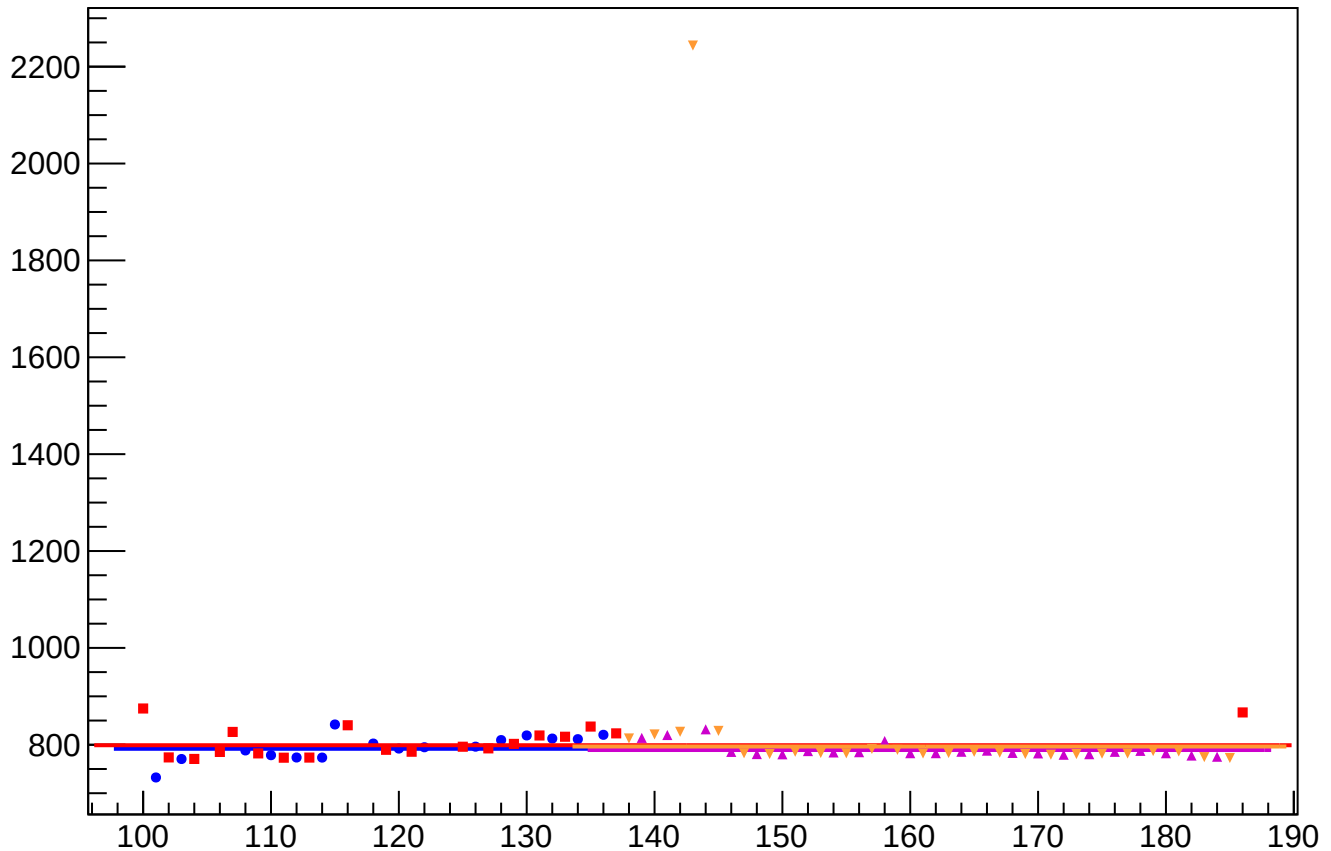
- sign -2062.931+/-158.884

χ^2/NDF : 45.6/41

Left In: -2123.138+/-188.684

χ^2/NDF : 32.0/22

reg_asym_us_avg_rms vs Slug



Right In: 791.722 $\pm$ 0.218 χ^2 /NDF: 15122.0/15

Left Out: 796.441 $\pm$ 0.132 χ^2 /NDF: 658708.8/24

Right Out: 799.057 $\pm$ 0.208 χ^2 /NDF: 16467.9/18

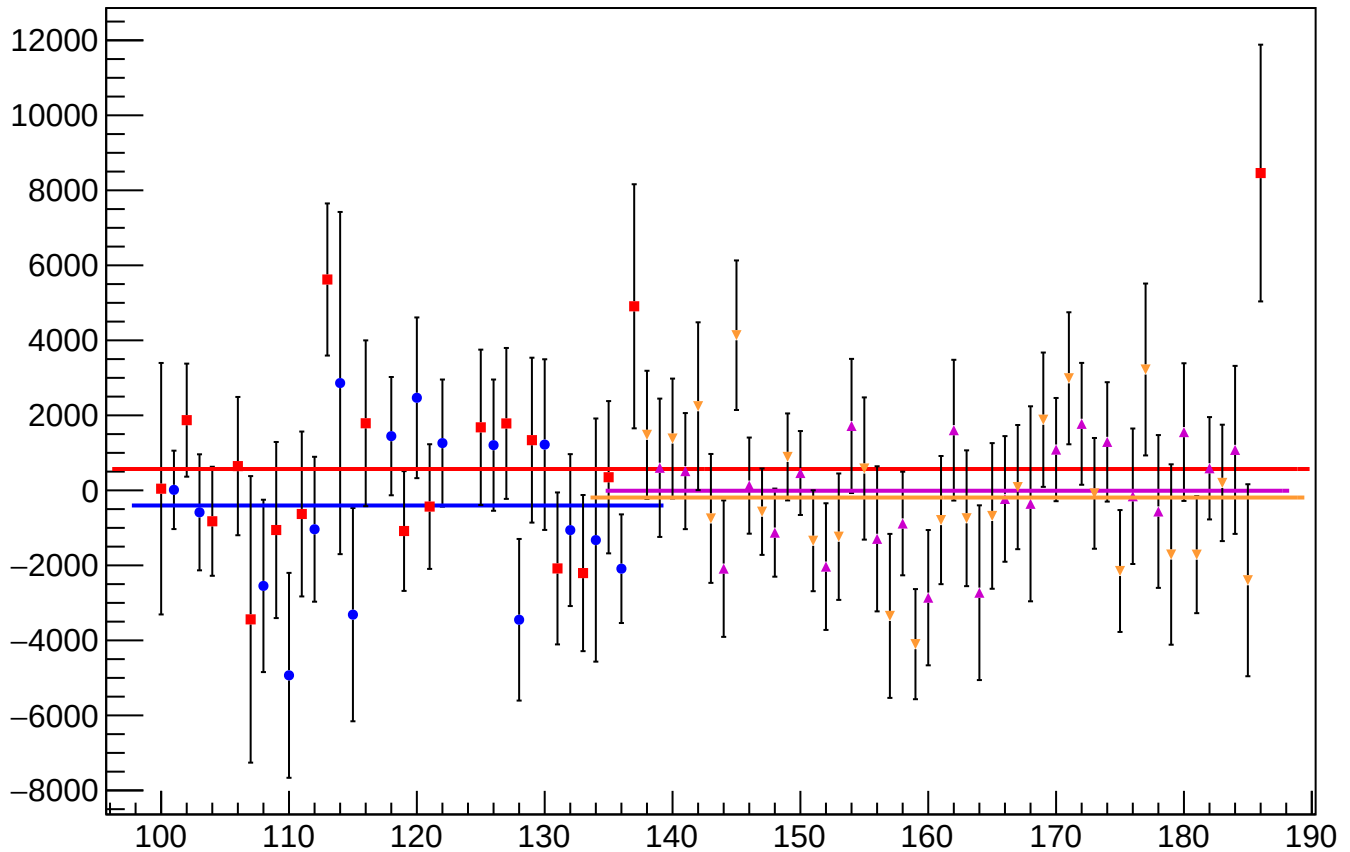
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF: 11343.2/22

+ sign 795.171 $\pm$ 0.113 χ^2 /NDF: 674173.8/40

All: 793.605 $\pm$ 0.080 χ^2 /NDF: 703959.7/82

- sign 792.057 $\pm$ 0.112 χ^2 /NDF: 29403.9/41

asym_us_avg_correction_mean vs Slug



Right In: -403.277 ± 465.456 χ^2/NDF : 14.5/15

Left Out: -191.027 ± 333.904 χ^2/NDF : 30.1/24

Right Out: 569.740 ± 469.359 χ^2/NDF : 22.9/18

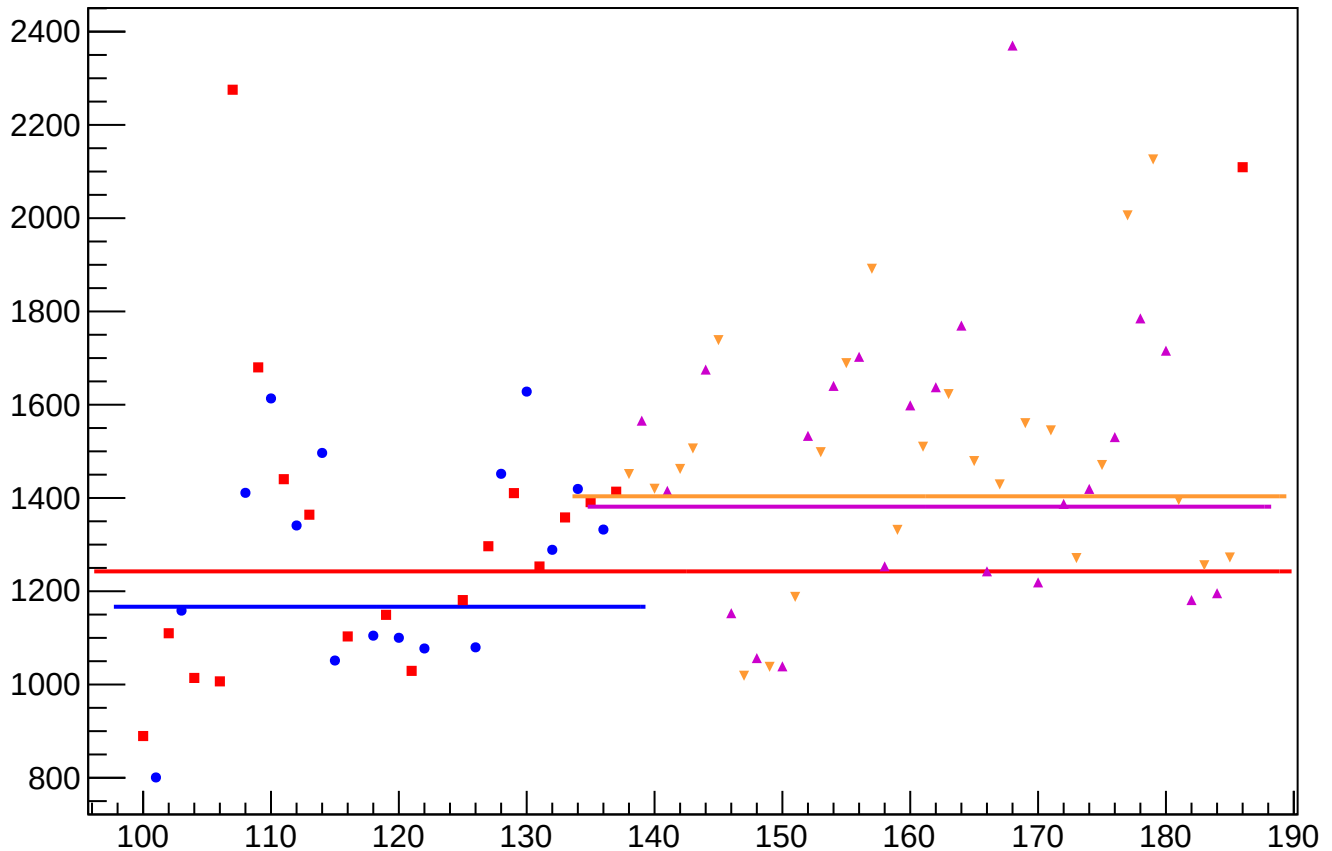
Left In: -10.093 ± 337.810 χ^2/NDF : 14.2/22

+ sign -263.143 ± 271.312 χ^2/NDF : 44.7/40

All: -40.056 ± 192.853 χ^2/NDF : 84.2/82

- sign 187.770 ± 274.180 χ^2/NDF : 38.1/41

asym_us_avg_correction_rms vs Slug



Right In: 1166.780 $\pm$ 0.329 χ^2 /NDF: 529794.9/15

Left Out: 1403.610 $\pm$ 0.236 χ^2 /NDF: 1126524.9/24

Right Out: 1242.602 $\pm$ 0.332 χ^2 /NDF: 572059.5/18

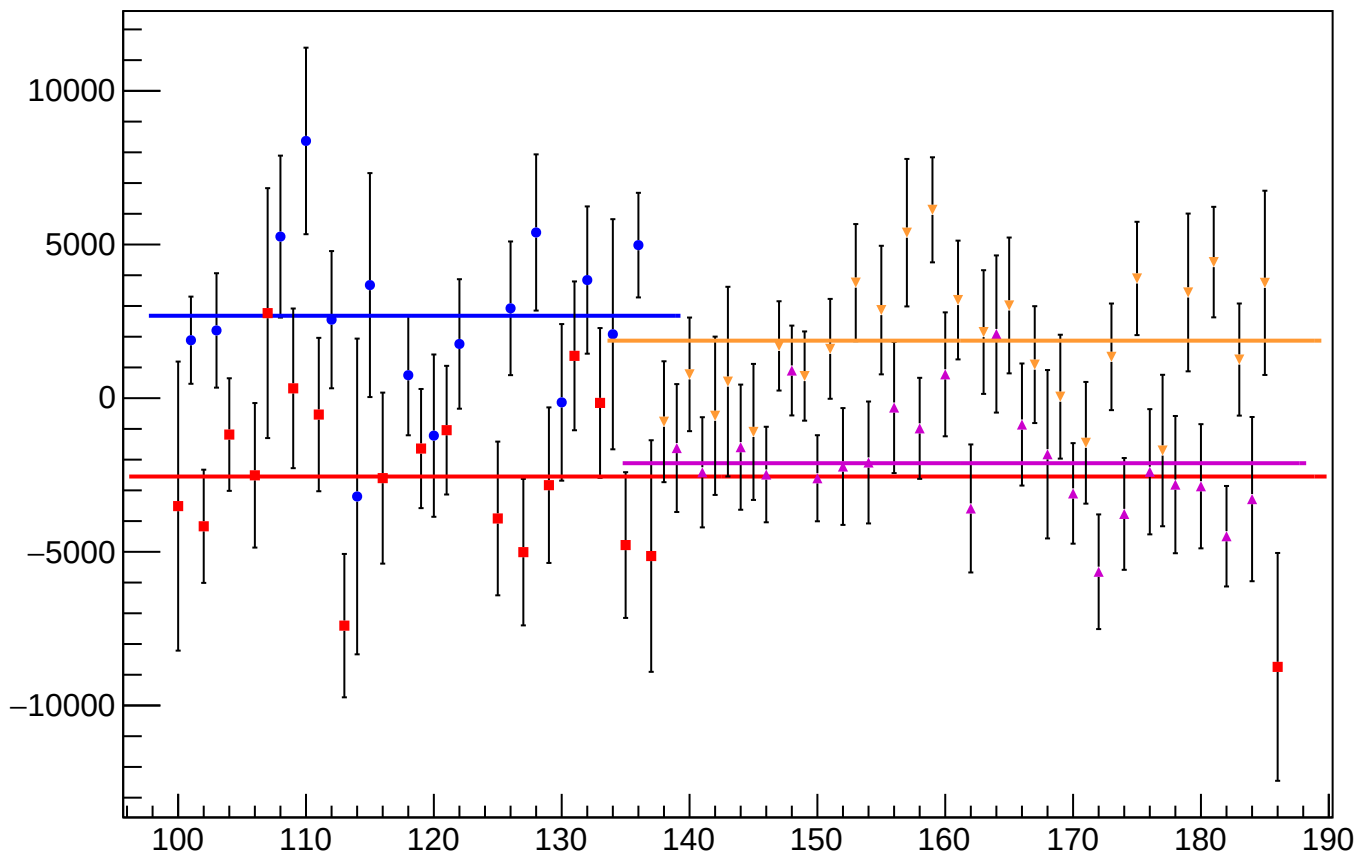
Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF: 1276488.2/22

+ sign 1323.142 $\pm$ 0.192 χ^2 /NDF: 1998175.2/40

All: 1328.519 $\pm$ 0.136 χ^2 /NDF: 3963458.3/82

- sign 1334.009 $\pm$ 0.194 χ^2 /NDF: 1963695.7/41

asym_us_avg_mean vs Slug



Right In: 2681.840 $\pm$ 568.598 χ^2 /NDF: 14.0/15

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

Right Out: -2549.567 $\pm$ 563.693 χ^2 /NDF: 19.1/18

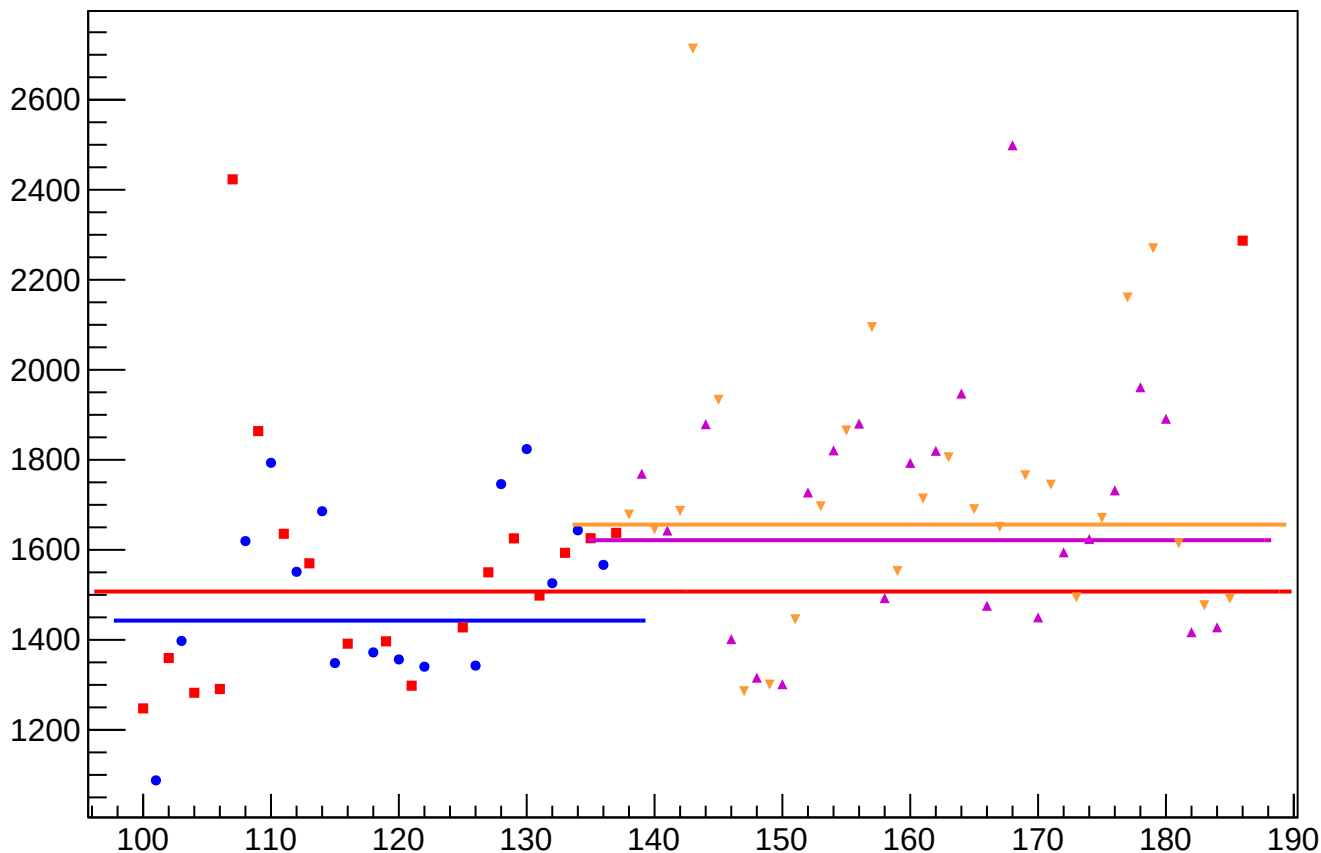
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 2132.374 $\pm$ 322.559 χ^2 /NDF: 41.5/40

All: -63.964 $\pm$ 228.021 χ^2 /NDF: 172.5/82

- sign -2257.888 $\pm$ 322.382 χ^2 /NDF: 38.3/41

asym_us_avg_rms vs Slug



Right In: 1442.805 $\pm$ 0.402 χ^2 /NDF: 278289.5/15

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

Right Out: 1507.369 $\pm$ 0.399 χ^2 /NDF: 347272.5/18

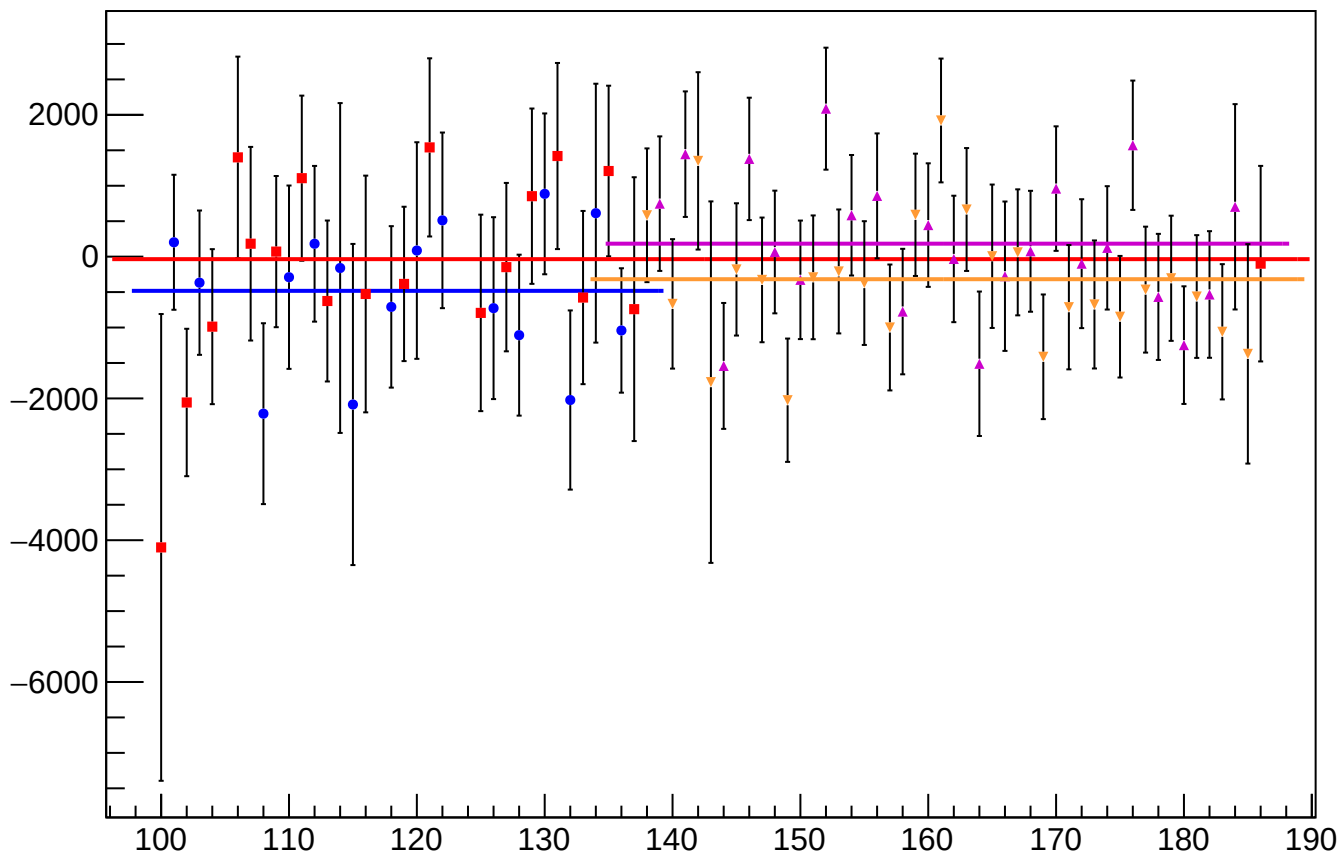
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1587.472 $\pm$ 0.228 χ^2 /NDF: 1379762.8/40

All: 1585.792 $\pm$ 0.161 χ^2 /NDF: 2557544.7/82

- sign 1584.114 $\pm$ 0.228 χ^2 /NDF: 1177673.5/41

reg_asym_us_dd_mean vs Slug



Right In: -482.437 $\pm$ 305.341 χ^2 /NDF: 8.2/15

Left Out: -318.336 $\pm$ 186.041 χ^2 /NDF: 20.4/24

Right Out: -35.436 $\pm$ 291.698 χ^2 /NDF: 13.6/18

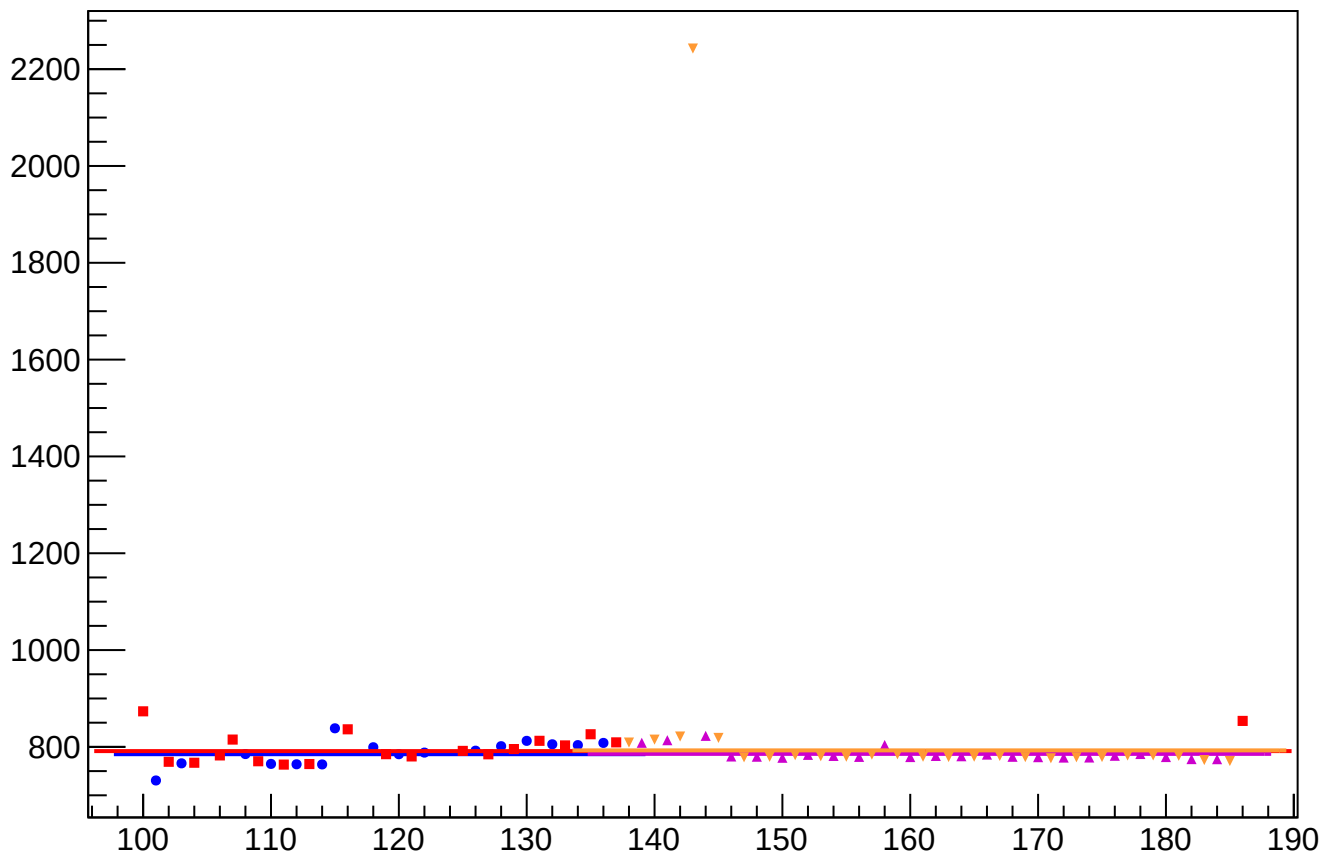
Left In: 182.895 $\pm$ 187.817 χ^2 /NDF: 26.1/22

+ sign -362.762 $\pm$ 158.874 χ^2 /NDF: 28.7/40

All: -120.469 $\pm$ 112.000 χ^2 /NDF: 73.4/82

- sign 118.908 $\pm$ 157.915 χ^2 /NDF: 40.1/41

reg_asym_us_dd_rms vs Slug



Right In: 784.921 ± 0.216 χ^2/NDF : 13814.6/15

Left Out: 792.791 ± 0.132 χ^2/NDF : 659510.7/24

Right Out: 791.314 ± 0.206 χ^2/NDF : 15248.5/18

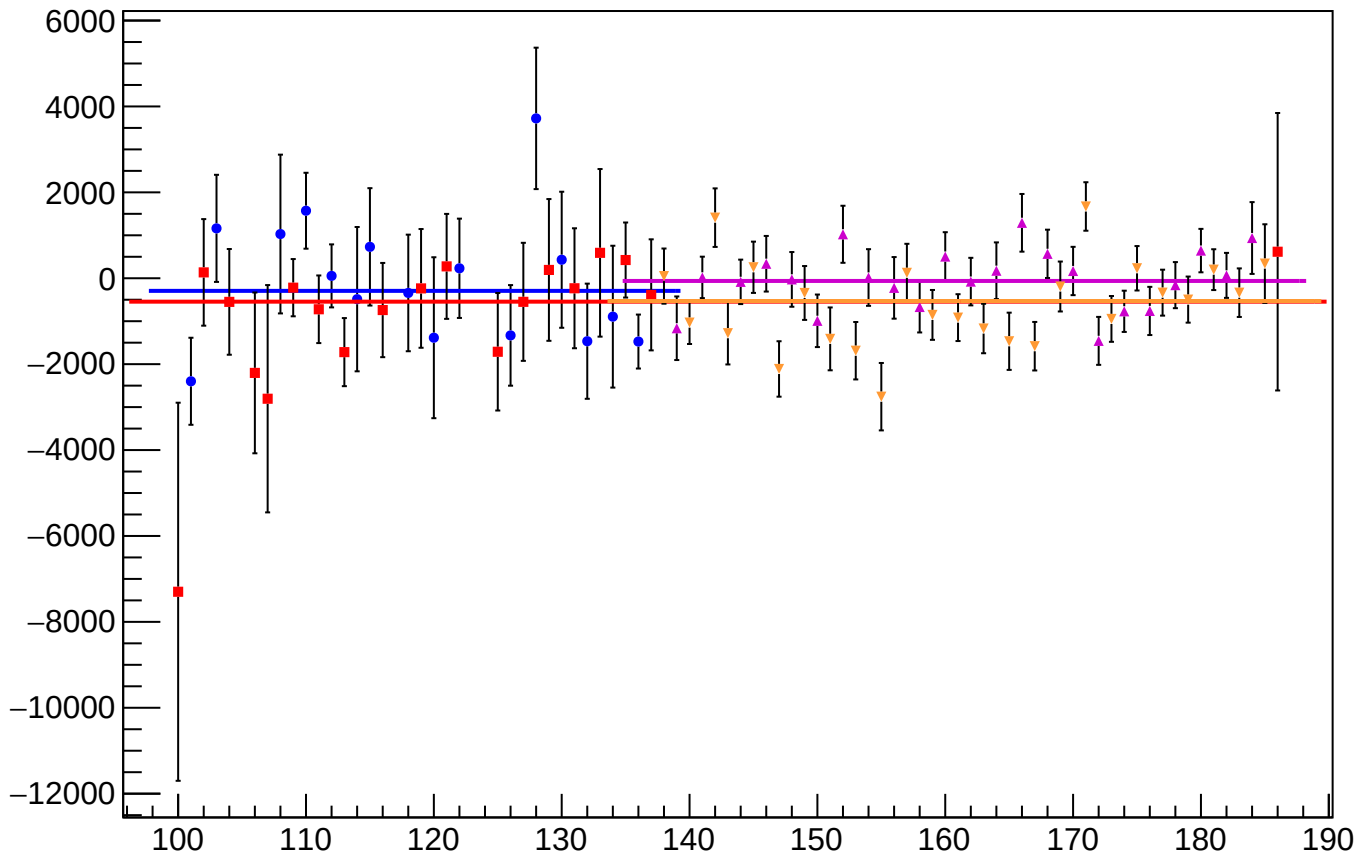
Left In: 785.592 ± 0.133 χ^2/NDF : 9373.7/22

+ sign 790.661 ± 0.112 χ^2/NDF : 674294.3/40

All: 788.955 ± 0.079 χ^2/NDF : 699919.1/82

- sign 787.269 ± 0.112 χ^2/NDF : 25166.3/41

asym_us_dd_correction_mean vs Slug



Right In: -293.772 ± 283.190 χ^2/NDF : 23.4/15

Left Out: -530.101 ± 119.543 χ^2/NDF : 61.6/24

Right Out: -544.884 ± 272.348 χ^2/NDF : 9.9/18

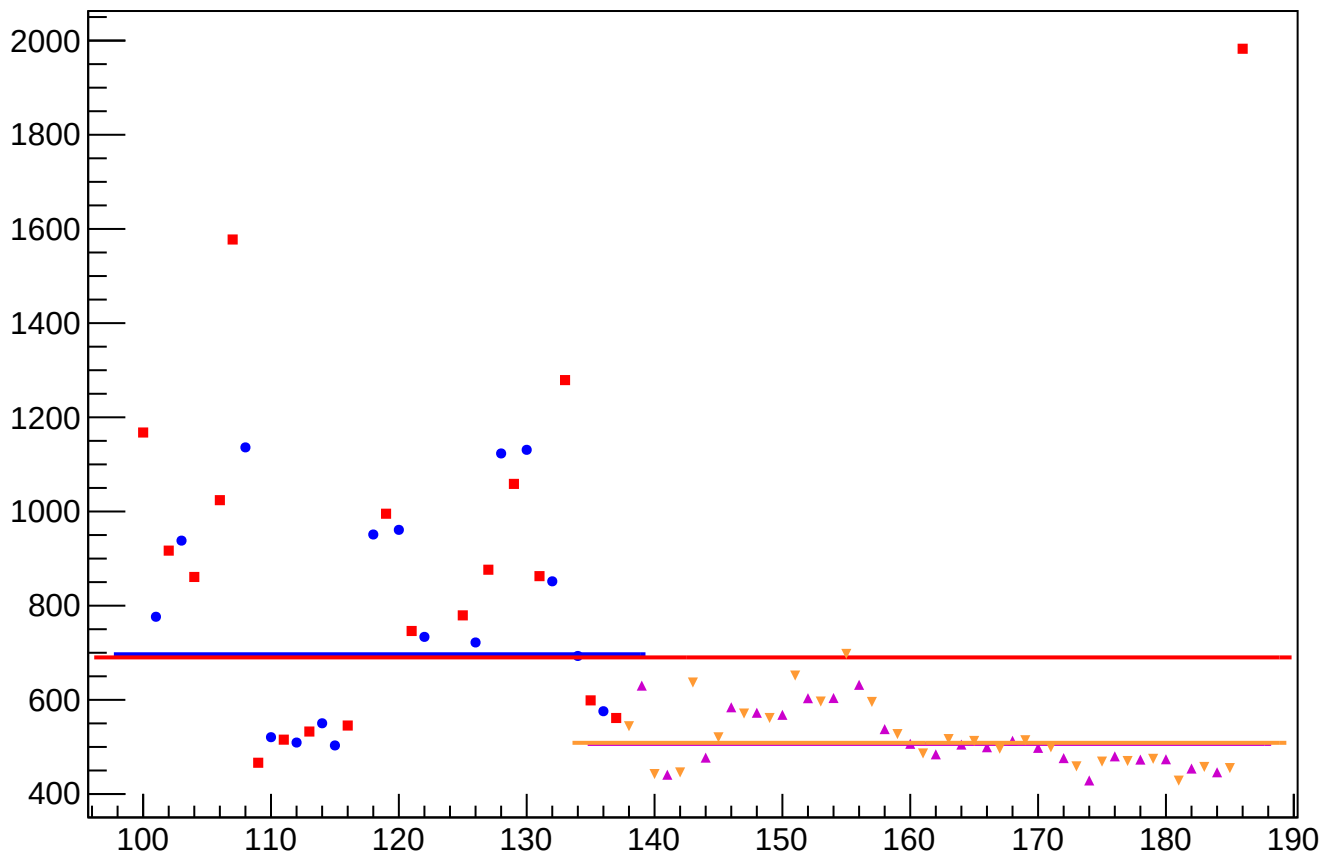
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -494.358 ± 110.133 χ^2/NDF : 85.6/40

All: -320.842 ± 78.311 χ^2/NDF : 131.9/82

- sign -143.393 ± 111.374 χ^2/NDF : 41.3/41

asym_us_dd_correction_rms vs Slug



Right In: 696.803 ± 0.200 χ^2/NDF : 963973.0/15

Left Out: 508.773 ± 0.085 χ^2/NDF : 549245.1/24

Right Out: 690.139 ± 0.193 χ^2/NDF : 1676217.4/18

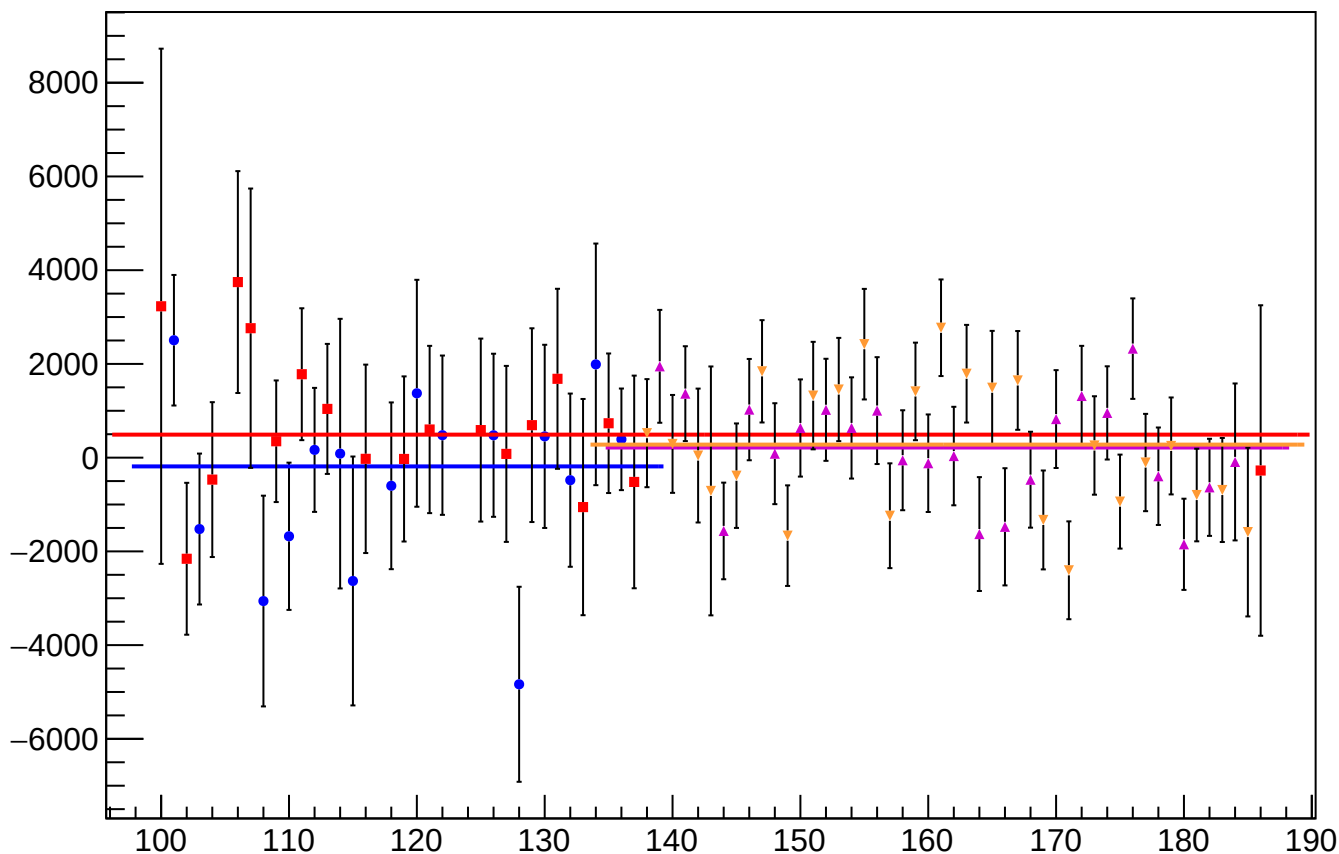
Left In: 506.380 ± 0.086 χ^2/NDF : 436294.4/22

+ sign 537.211 ± 0.078 χ^2/NDF : 2261588.1/40

All: 537.161 ± 0.055 χ^2/NDF : 5132334.8/82

- sign 537.111 ± 0.079 χ^2/NDF : 2870745.9/41

asym_us_dd_mean vs Slug



Right In: -186.802 ± 434.855 χ^2/NDF : 14.8/15

Left Out: 278.090 ± 223.581 χ^2/NDF : 38.4/24

Right Out: 491.039 ± 424.923 χ^2/NDF : 8.1/18

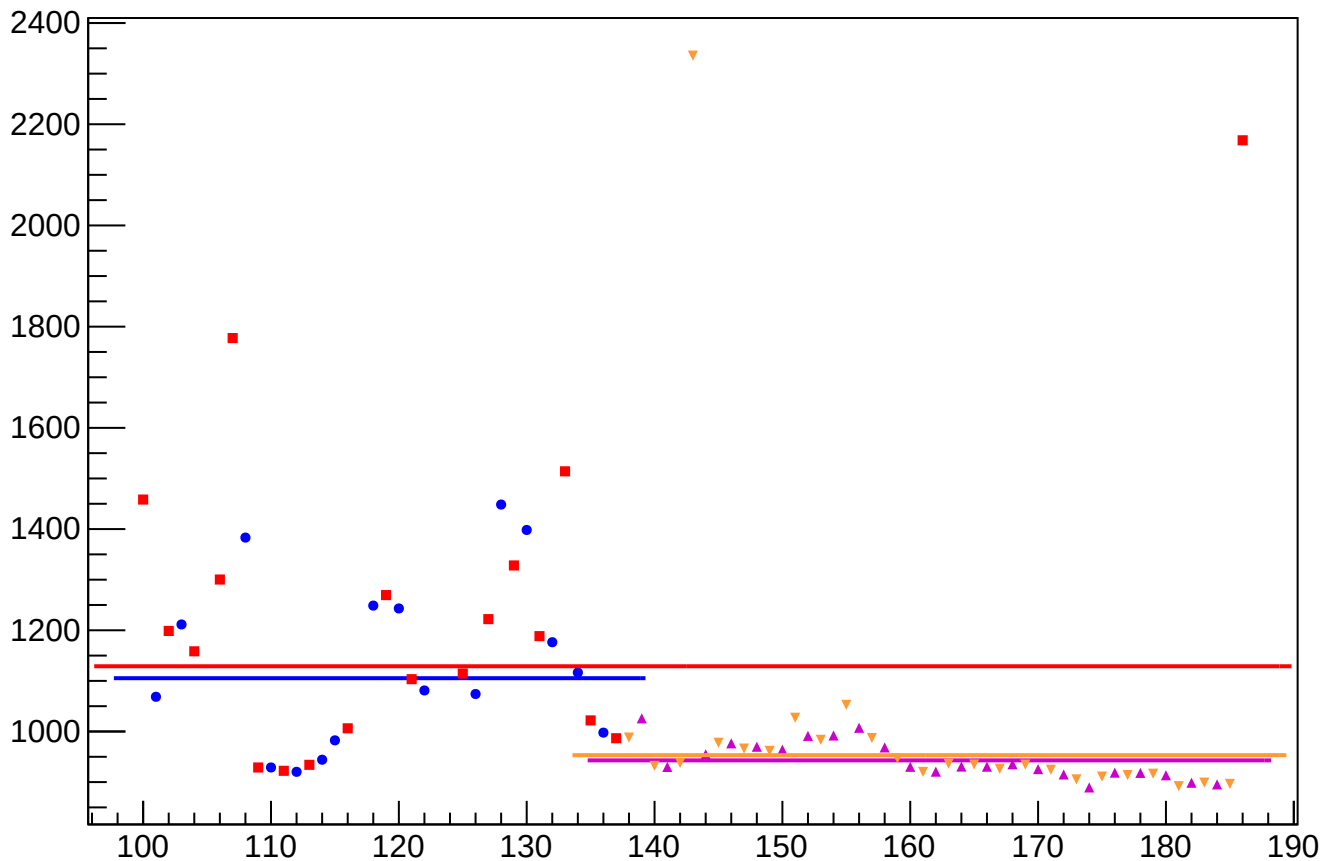
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 180.891 ± 198.839 χ^2/NDF : 54.1/40

All: 228.631 ± 140.748 χ^2/NDF : 87.0/82

- sign 276.574 ± 199.258 χ^2/NDF : 32.8/41

asym_us_dd_rms vs Slug



Right In: 1105.313 $\pm$ 0.307 χ^2 /NDF: 258052.8/15

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

Right Out: 1128.903 $\pm$ 0.300 χ^2 /NDF: 540681.4/18

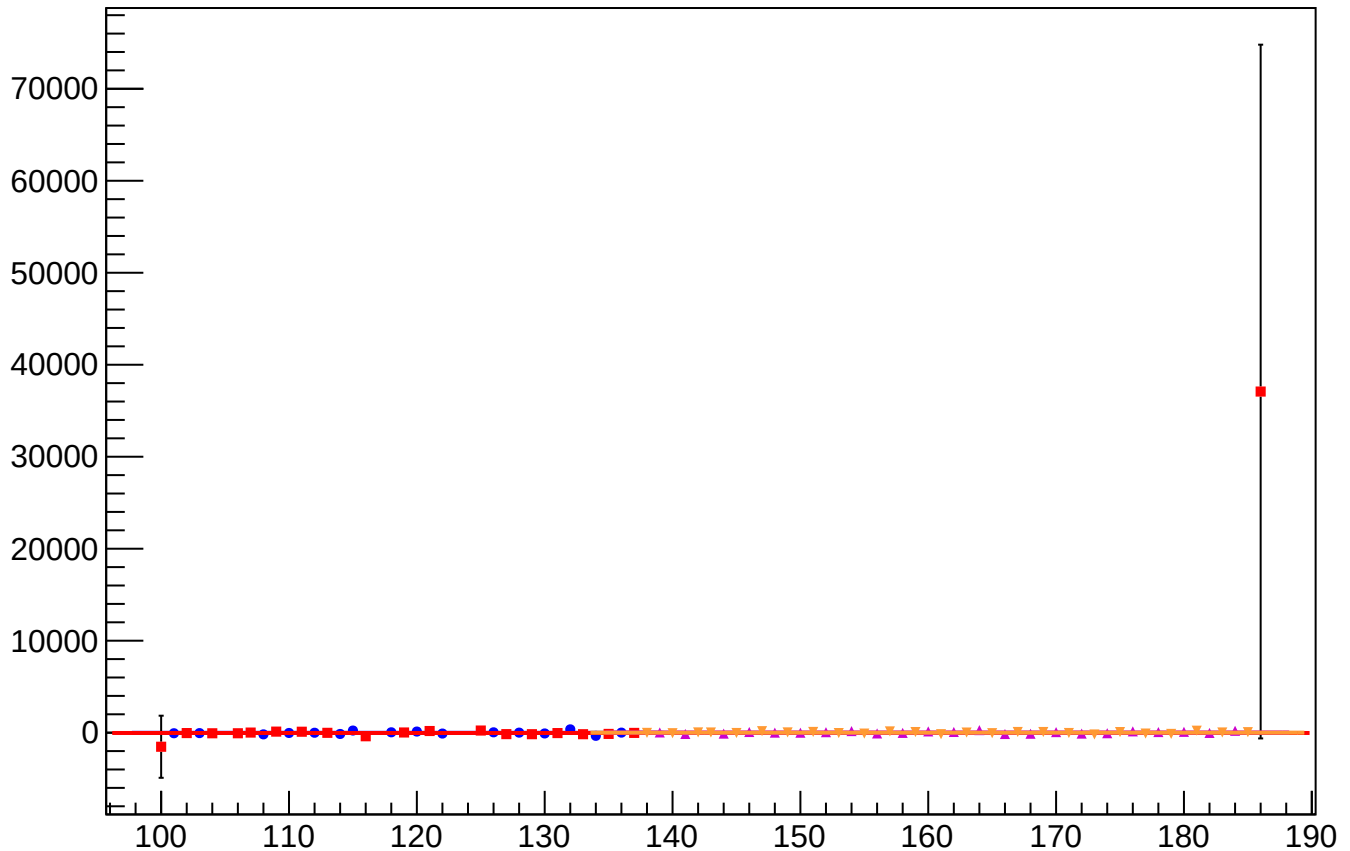
Left In: 942.927 $\pm$ 0.160 χ^2 /NDF: 48402.9/22

+ sign 985.020 $\pm$ 0.141 χ^2 /NDF: 1057827.6/40

All: 984.422 $\pm$ 0.100 χ^2 /NDF: 1945817.6/82

- sign 983.822 $\pm$ 0.141 χ^2 /NDF: 887953.7/41

reg_asym_ds_avg_mean vs Slug



Right In: -15.551 ± 30.032 χ^2/NDF : 15.9/15

Left Out: 4.556 ± 20.959 χ^2/NDF : 22.5/24

Right Out: -31.730 ± 30.492 χ^2/NDF : 17.8/18

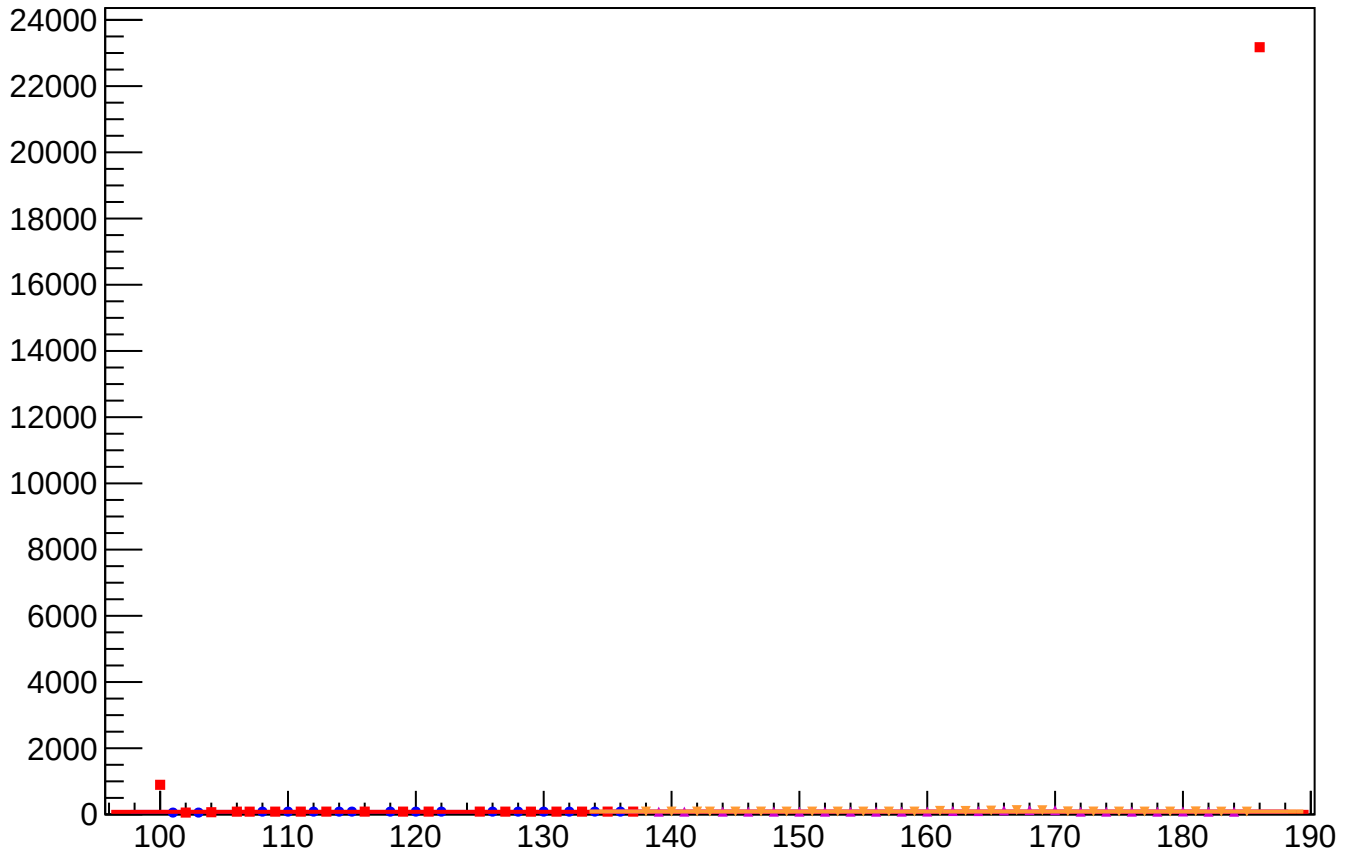
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.029 ± 17.187 χ^2/NDF : 38.7/40

All: 1.245 ± 12.302 χ^2/NDF : 81.2/82

- sign 4.684 ± 17.617 χ^2/NDF : 42.4/41

reg_asym_ds_avg_rms vs Slug



Right In: 76.053+/-0.021 χ^2/NDF : 408670.6/15

Left Out: 89.483+/-0.015 χ^2/NDF : 470330.2/24

Right Out: 79.386+/-0.022 χ^2/NDF : 1128481.1/18

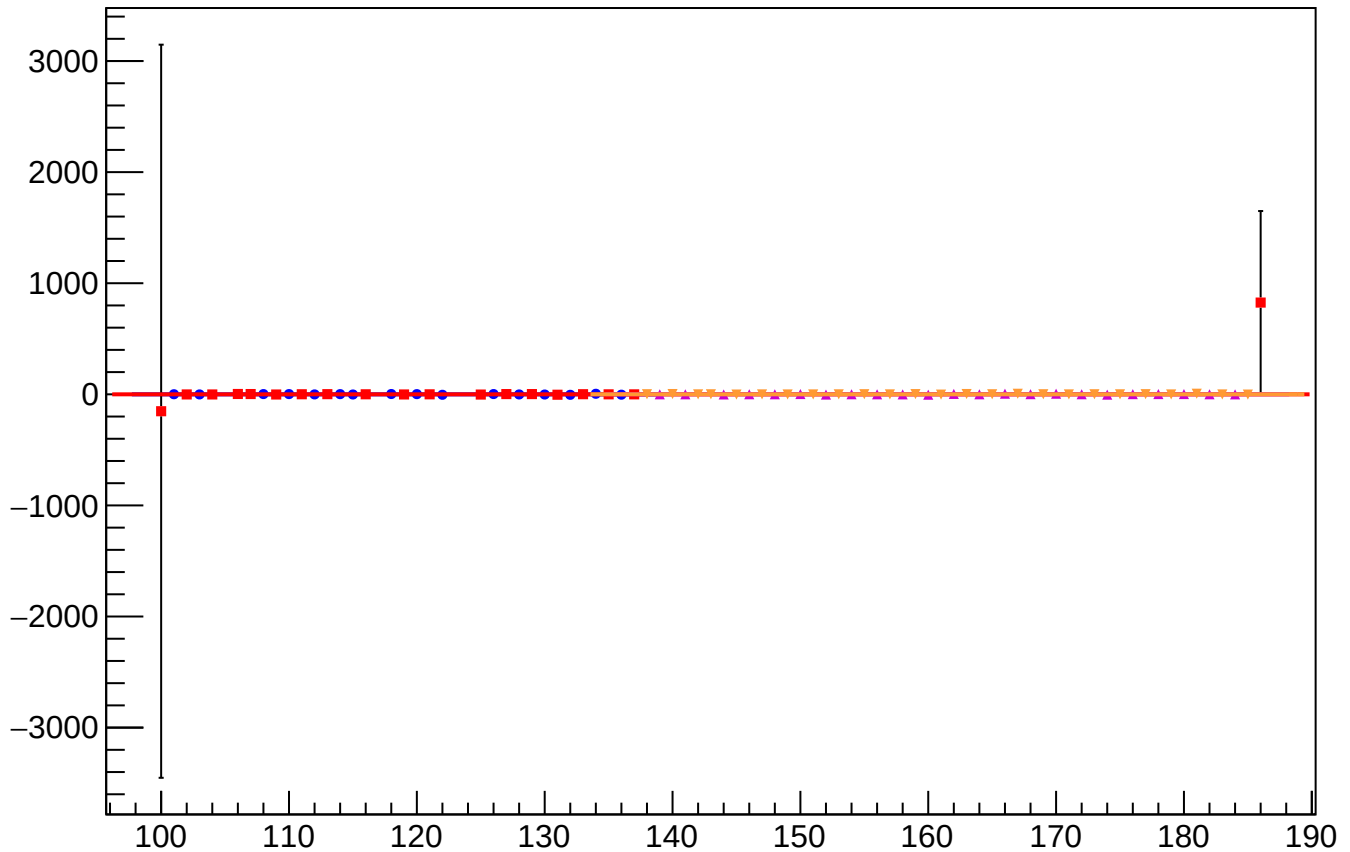
Left In: 89.596+/-0.015 χ^2/NDF : 508511.1/22

+ sign 85.085+/-0.012 χ^2/NDF : 1147953.5/40

All: 85.622+/-0.009 χ^2/NDF : 2938336.5/82

- sign 86.187+/-0.012 χ^2/NDF : 1786367.9/41

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 20.9/15

Left Out: 0.134 ± 0.367 χ^2/NDF : 21.3/24

Right Out: -0.038 ± 0.525 χ^2/NDF : 10.9/18

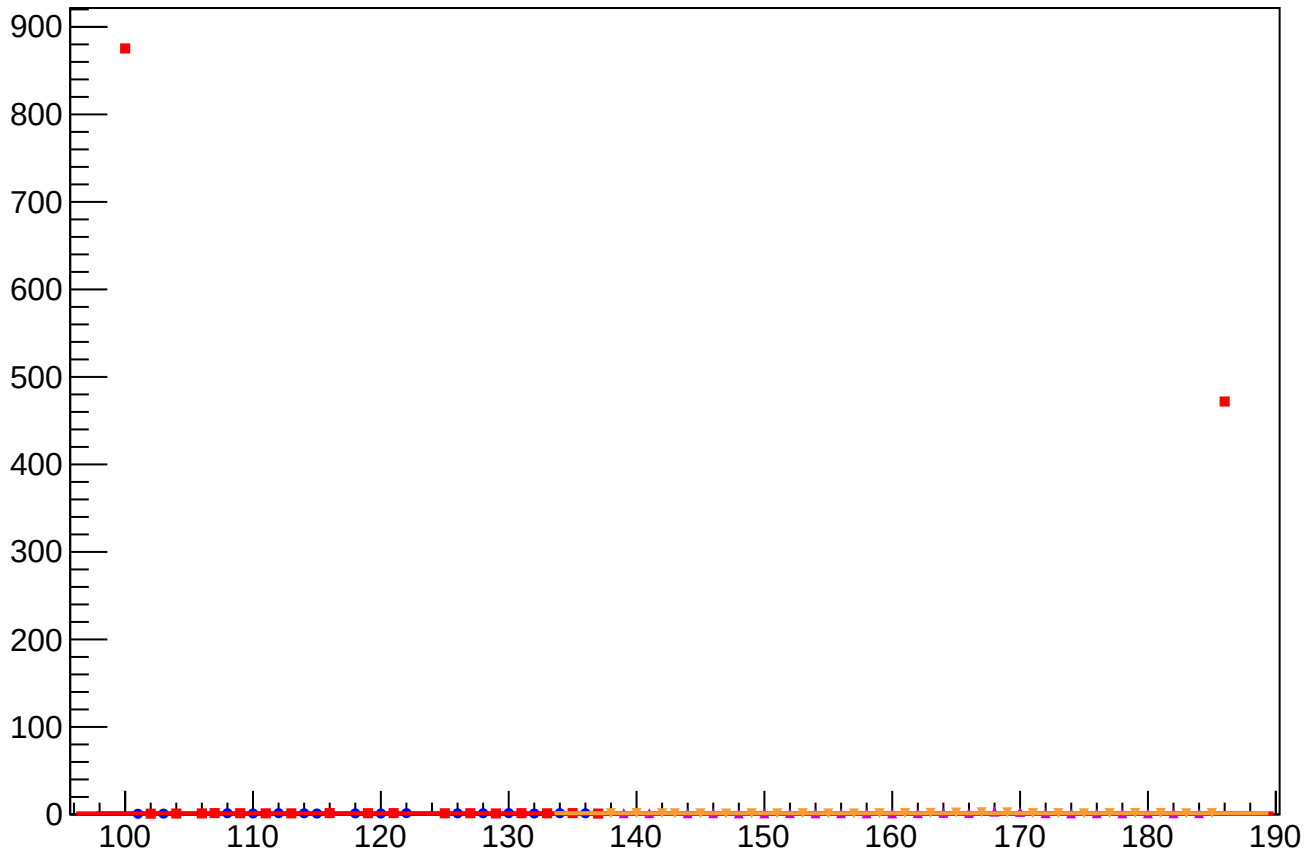
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.014 ± 0.296 χ^2/NDF : 42.7/40

All: 0.146 ± 0.215 χ^2/NDF : 81.3/82

- sign 0.323 ± 0.312 χ^2/NDF : 38.0/41

asym_ds_avg_correction_rms vs Slug



Right In: 1.152 $\pm$ 0.000 χ^2 /NDF: 506239.7/15

Left Out: 1.404 $\pm$ 0.000 χ^2 /NDF: 992478.0/24

Right Out: 1.259 $\pm$ 0.000 χ^2 /NDF: 1141868.2/18

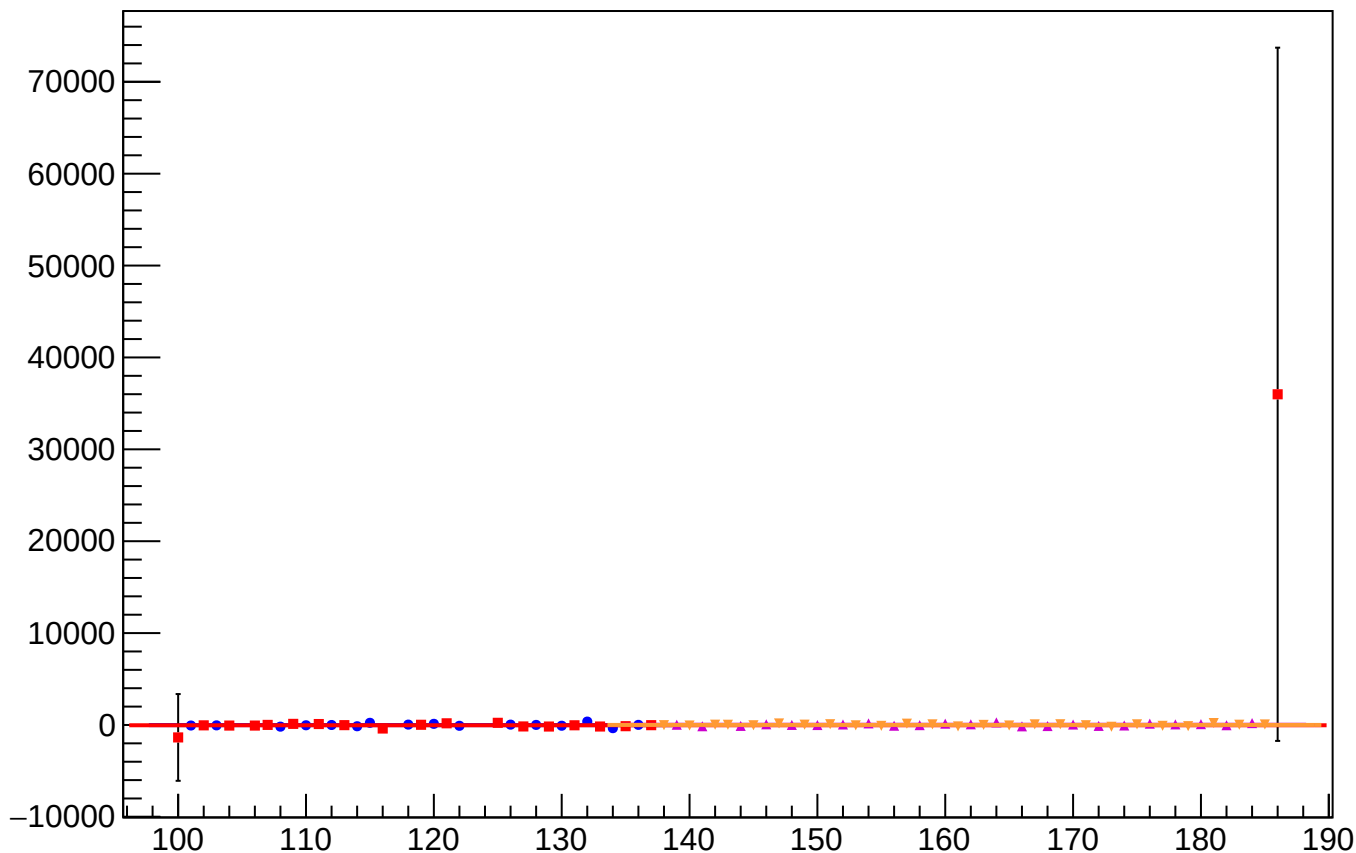
Left In: 1.453 $\pm$ 0.000 χ^2 /NDF: 995852.2/22

+ sign 1.316 $\pm$ 0.000 χ^2 /NDF: 1827538.9/40

All: 1.349 $\pm$ 0.000 χ^2 /NDF: 4193193.5/82

- sign 1.385 $\pm$ 0.000 χ^2 /NDF: 2314580.0/41

asym_ds_avg_mean vs Slug



Right In: -14.487 ± 30.040 χ^2/NDF : 16.2/15

Left Out: 4.417 ± 20.966 χ^2/NDF : 22.1/24

Right Out: -32.009 ± 30.500 χ^2/NDF : 17.7/18

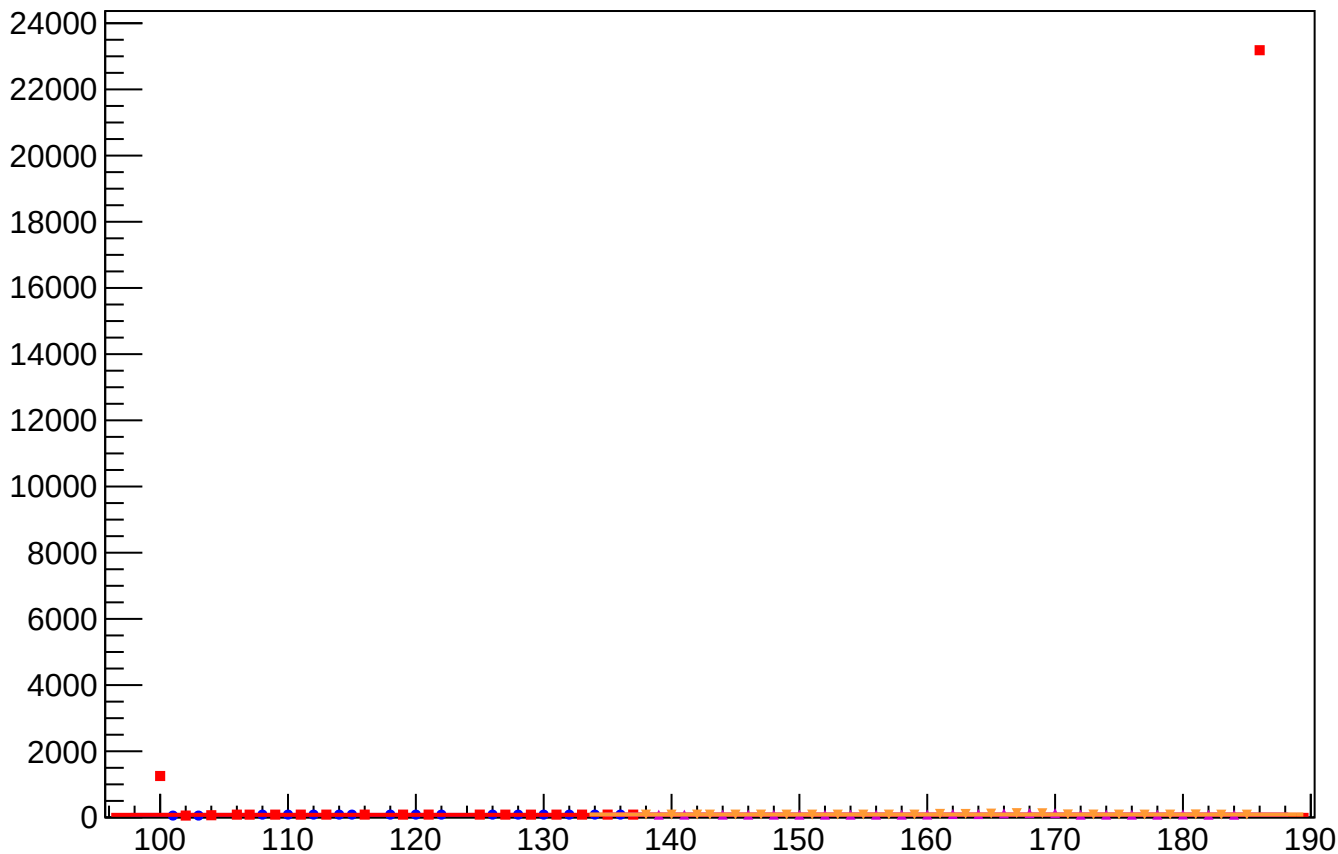
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -1.775 ± 17.192 χ^2/NDF : 38.6/40

All: 1.171 ± 12.306 χ^2/NDF : 80.8/82

- sign 4.267 ± 17.623 χ^2/NDF : 42.2/41

asym_ds_avg_rms vs Slug



Right In: 76.073 $\pm$ 0.021 χ^2 /NDF: 408699.5/15

Left Out: 89.510 $\pm$ 0.015 χ^2 /NDF: 471081.1/24

Right Out: 79.389 $\pm$ 0.022 χ^2 /NDF: 1135008.7/18

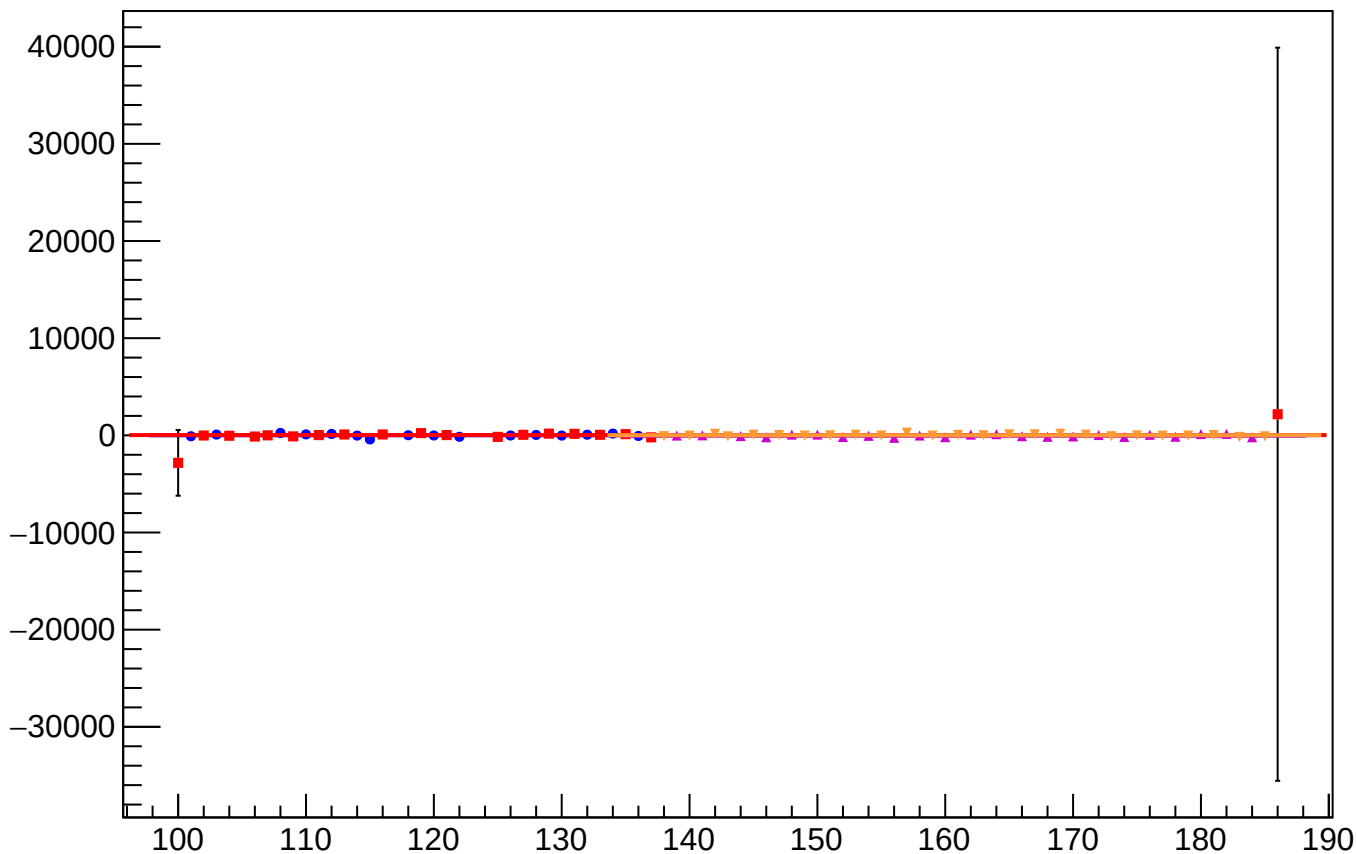
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.109 $\pm$ 0.012 χ^2 /NDF: 1148852.2/40

All: 85.644 $\pm$ 0.009 χ^2 /NDF: 2947197.4/82

- sign 86.206 $\pm$ 0.012 χ^2 /NDF: 1794370.6/41

reg_asym_ds_dd_mean vs Slug



Right In: 8.113 ± 30.012 χ^2/NDF : 14.0/15

Left Out: 9.877 ± 20.965 χ^2/NDF : 18.5/24

Right Out: 25.776 ± 30.473 χ^2/NDF : 12.8/18

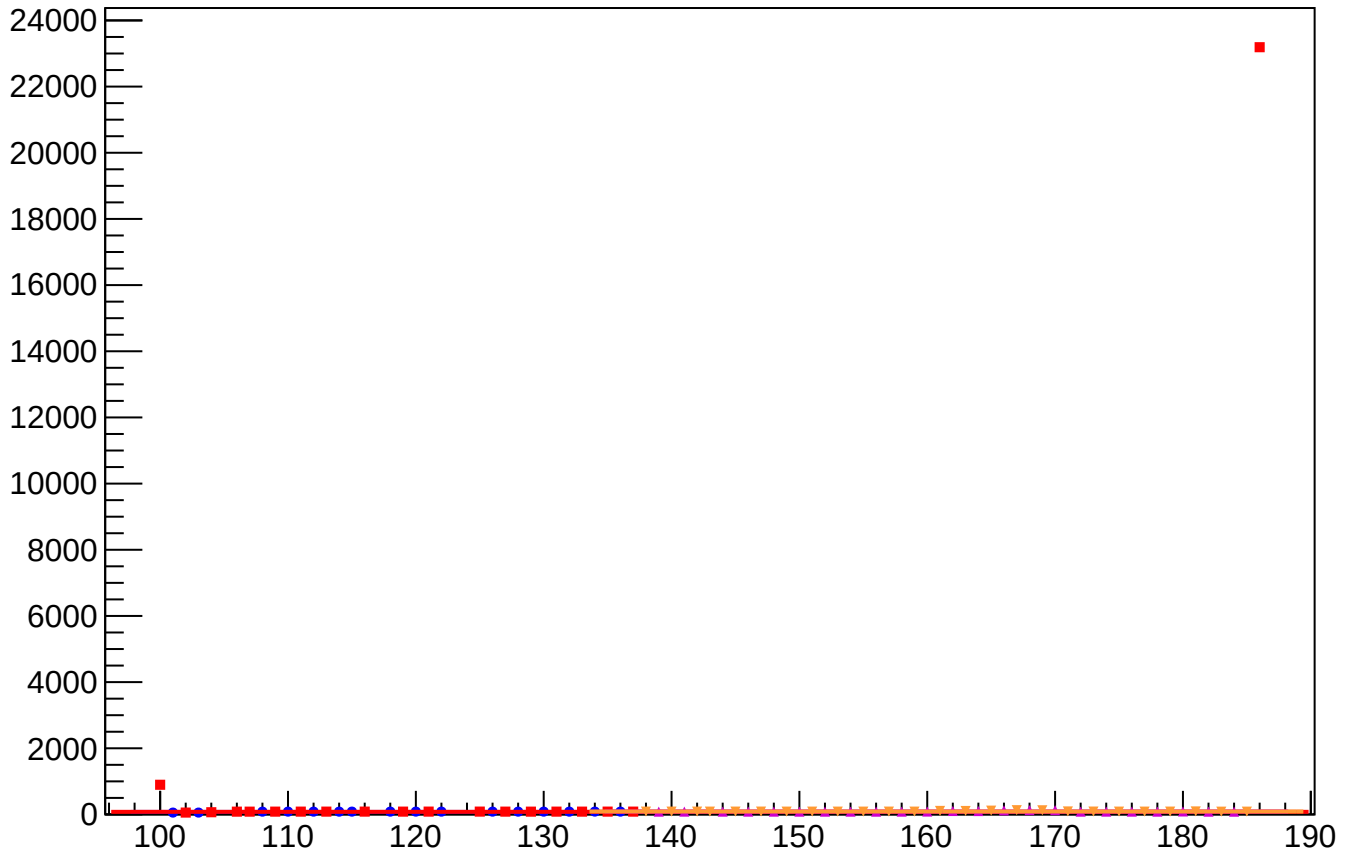
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 9.299 ± 17.187 χ^2/NDF : 32.5/40

All: -5.130 ± 12.303 χ^2/NDF : 81.7/82

- sign -20.292 ± 17.618 χ^2/NDF : 47.7/41

reg_asym_ds_dd_rms vs Slug



Right In: 76.004 $\pm$ 0.021 χ^2 /NDF: 408328.4/15

Left Out: 89.507 $\pm$ 0.015 χ^2 /NDF: 468988.9/24

Right Out: 79.337 $\pm$ 0.022 χ^2 /NDF: 1128645.6/18

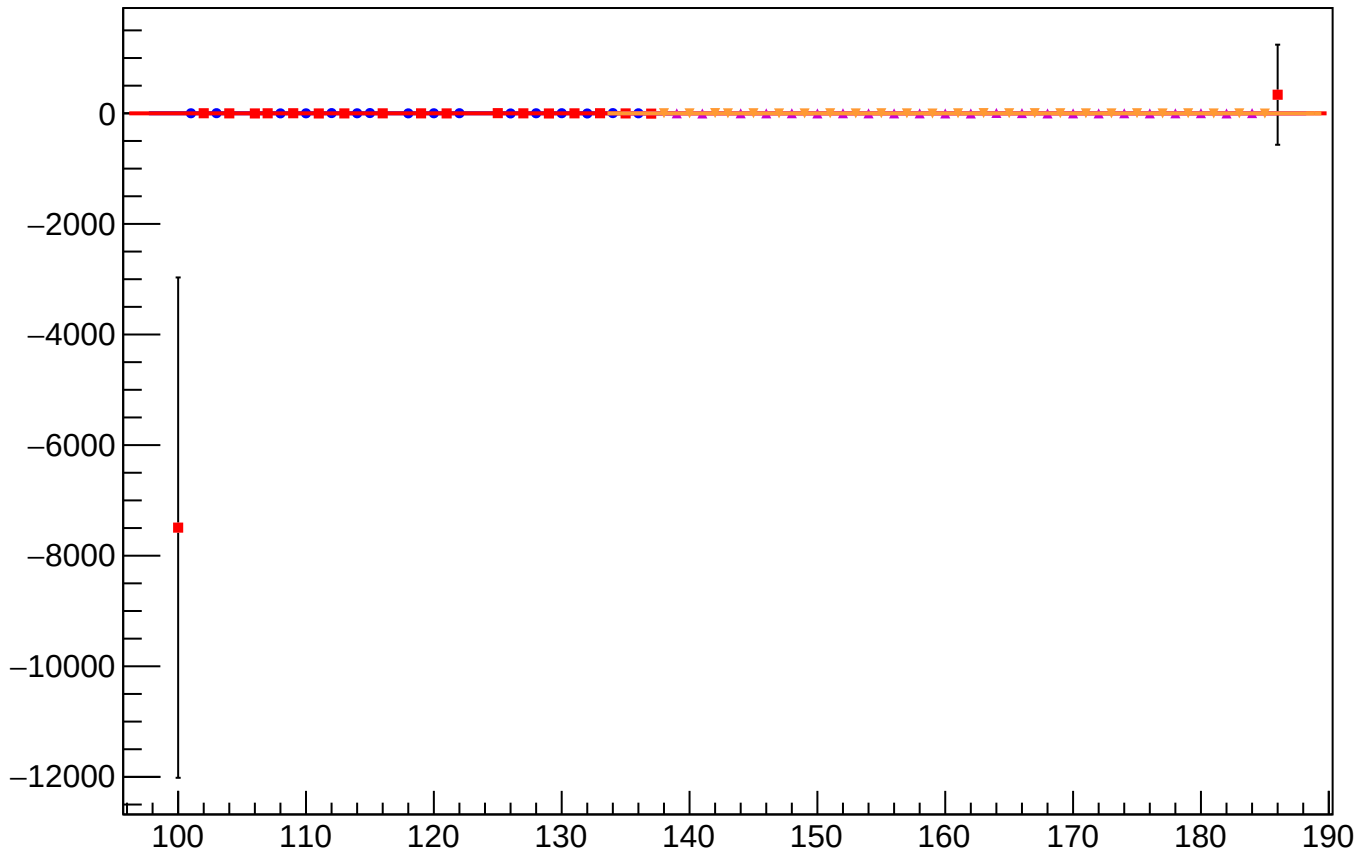
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.079 $\pm$ 0.012 χ^2 /NDF: 1149410.2/40

All: 85.620 $\pm$ 0.009 χ^2 /NDF: 2944986.3/82

- sign 86.188 $\pm$ 0.012 χ^2 /NDF: 1791517.3/41

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 11.9/15

Left Out: -0.517 ± 0.382 χ^2/NDF : 20.7/24

Right Out: -0.347 ± 0.549 χ^2/NDF : 13.6/18

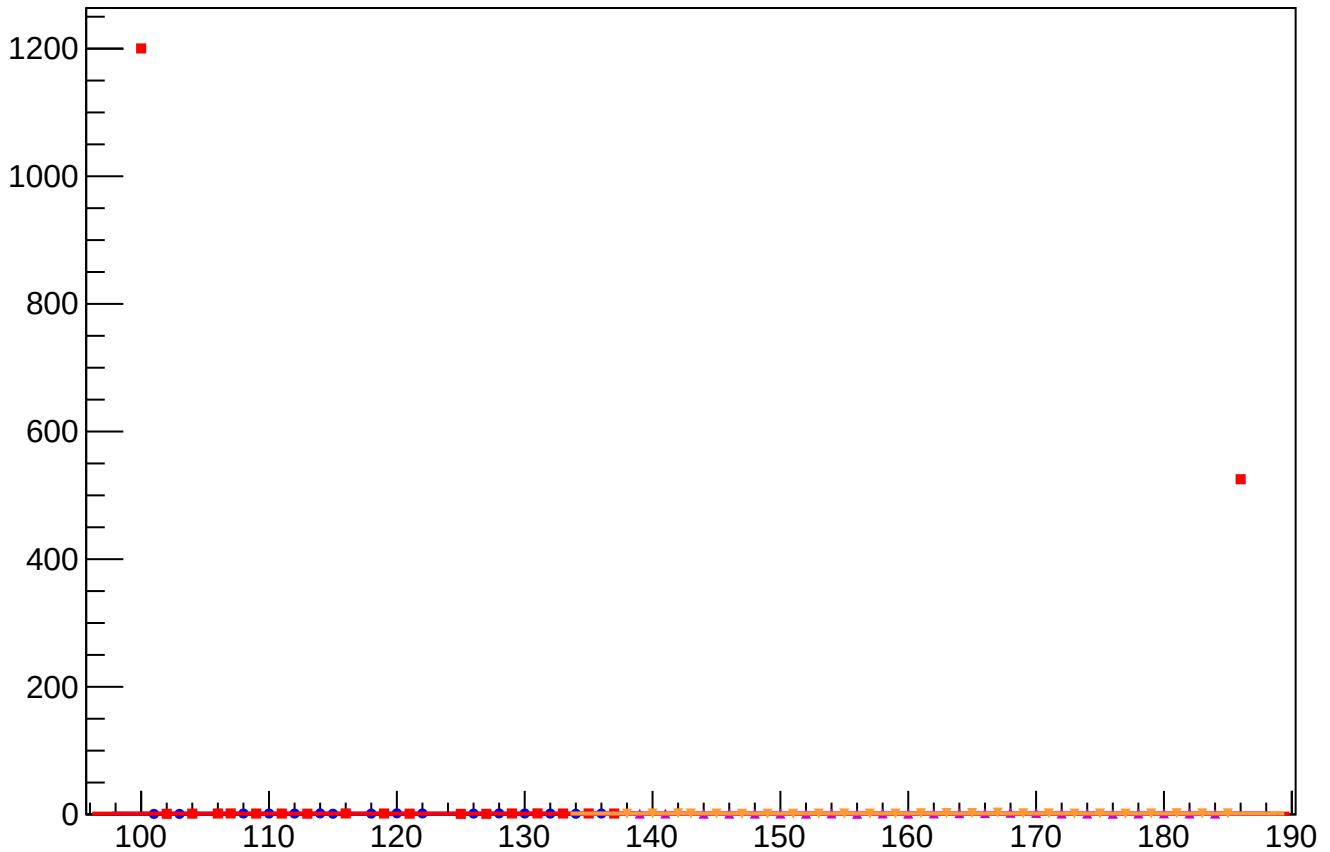
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.036 ± 0.310 χ^2/NDF : 37.3/40

All: -0.052 ± 0.222 χ^2/NDF : 71.6/82

- sign -0.069 ± 0.318 χ^2/NDF : 34.3/41

asym_ds_dd_correction_rms vs Slug



Right In: 1.233+/-0.000 χ^2/NDF : 625758.9/15

Left Out: 1.472+/-0.000 χ^2/NDF :1156063.1/24

Right Out: 1.315+/-0.000 χ^2/NDF : 1187365.3/18

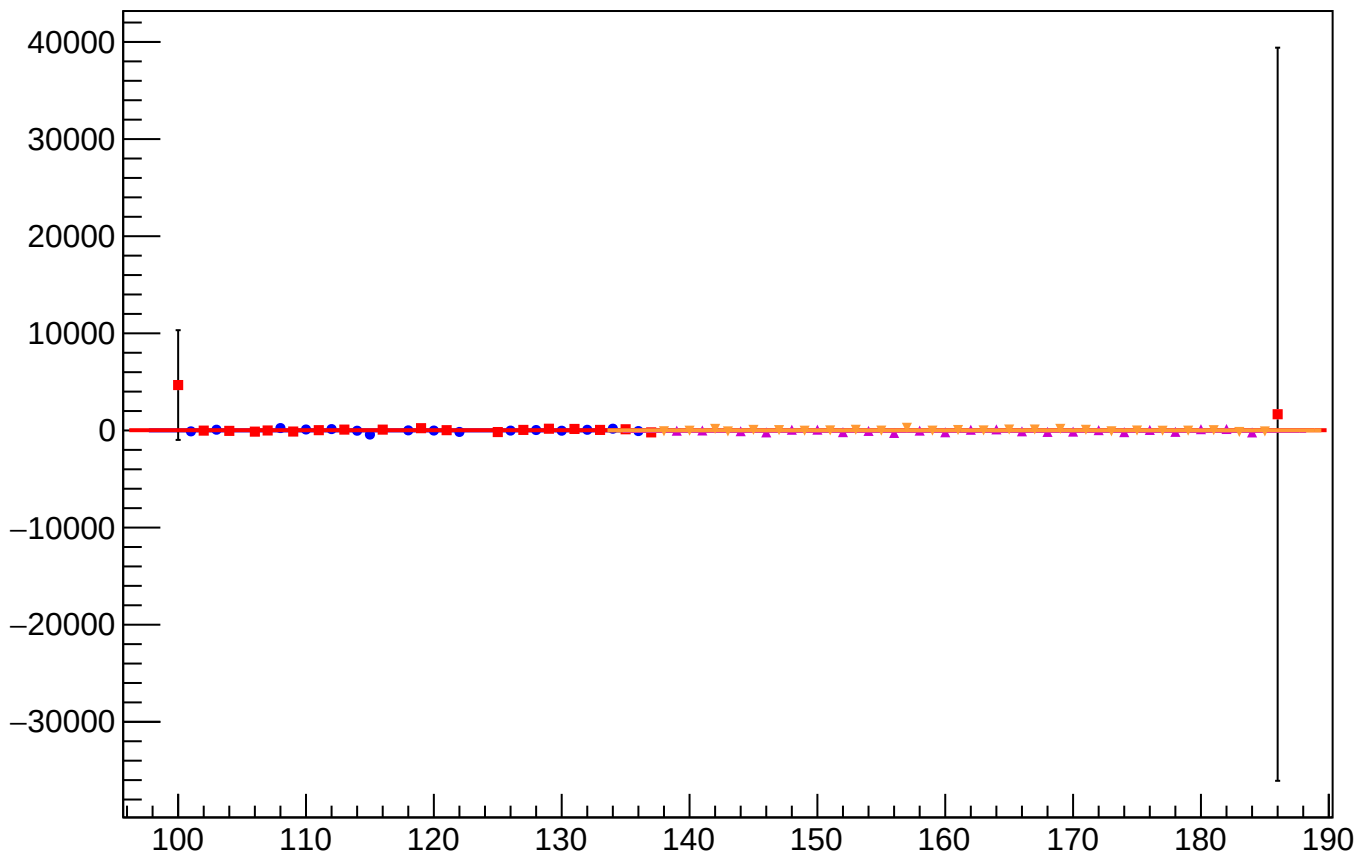
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.391+/-0.000 χ^2/NDF : 2049037.6/40

All: 1.401+/-0.000 χ^2/NDF : 4383046.7/82

- sign 1.412+/-0.000 χ^2/NDF : 2329353.8/41

asym_ds_dd_mean vs Slug



Right In: 7.406 ± 30.020 χ^2/NDF : 13.9/15

Left Out: 10.423 ± 20.971 χ^2/NDF : 18.4/24

Right Out: 26.385 ± 30.482 χ^2/NDF : 13.0/18

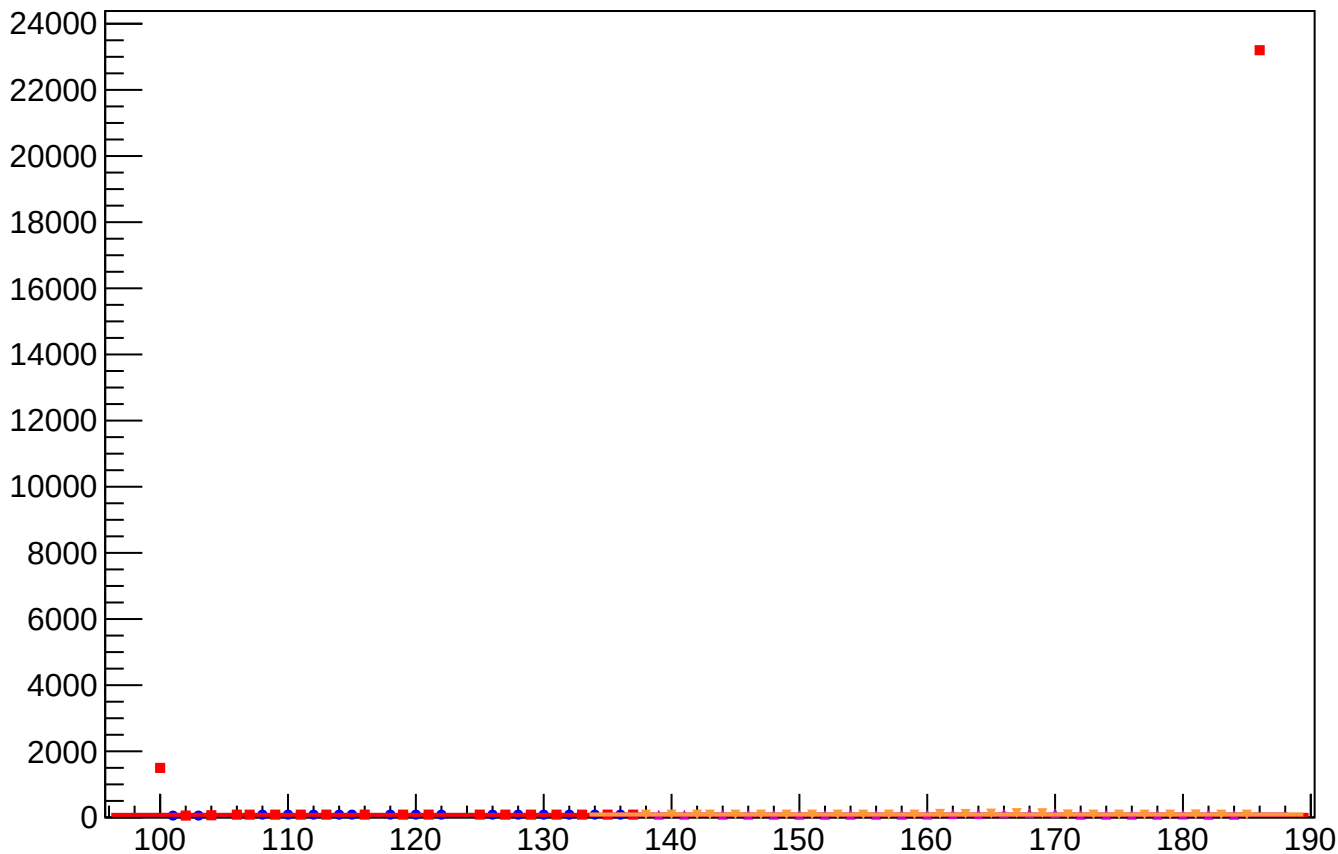
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 9.434 ± 17.192 χ^2/NDF : 32.3/40

All: -5.117 ± 12.306 χ^2/NDF : 81.4/82

- sign -20.408 ± 17.624 χ^2/NDF : 47.6/41

asym_ds_dd_rms vs Slug



Right In: 76.025 $\pm$ 0.021 χ^2 /NDF: 408370.9/15

Left Out: 89.535 $\pm$ 0.015 χ^2 /NDF: 469743.0/24

Right Out: 79.334 $\pm$ 0.022 χ^2 /NDF: 1137899.4/18

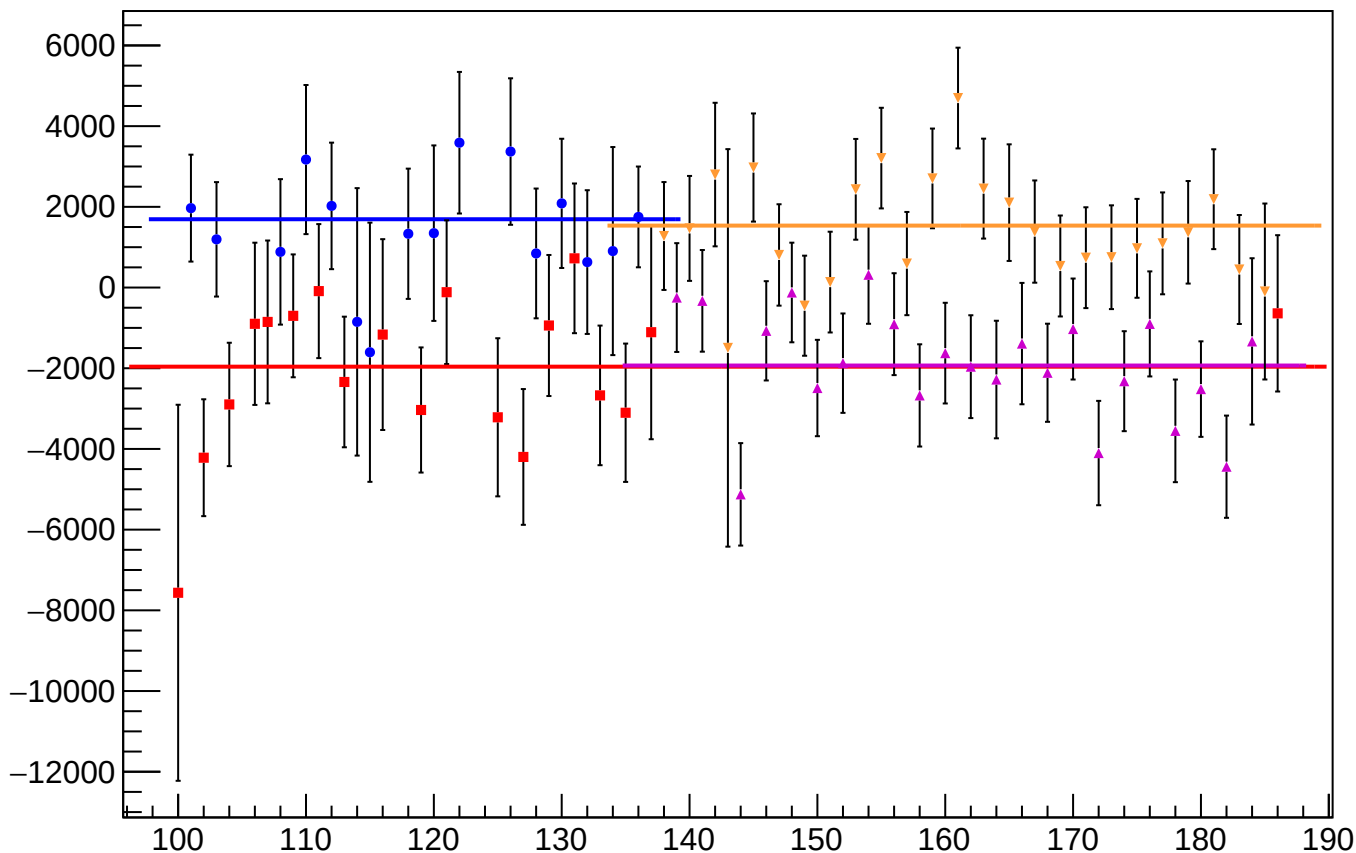
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.104 $\pm$ 0.012 χ^2 /NDF: 1150325.3/40

All: 85.641 $\pm$ 0.009 χ^2 /NDF: 2956699.1/82

- sign 86.205 $\pm$ 0.012 χ^2 /NDF: 1802376.9/41

reg_asym_usl_mean vs Slug



Right In: 1692.799 ± 431.563 χ^2/NDF : 5.6/15

Left Out: 1535.246 ± 265.882 χ^2/NDF : 20.4/24

Right Out: -1961.051 ± 413.662 χ^2/NDF : 14.3/18

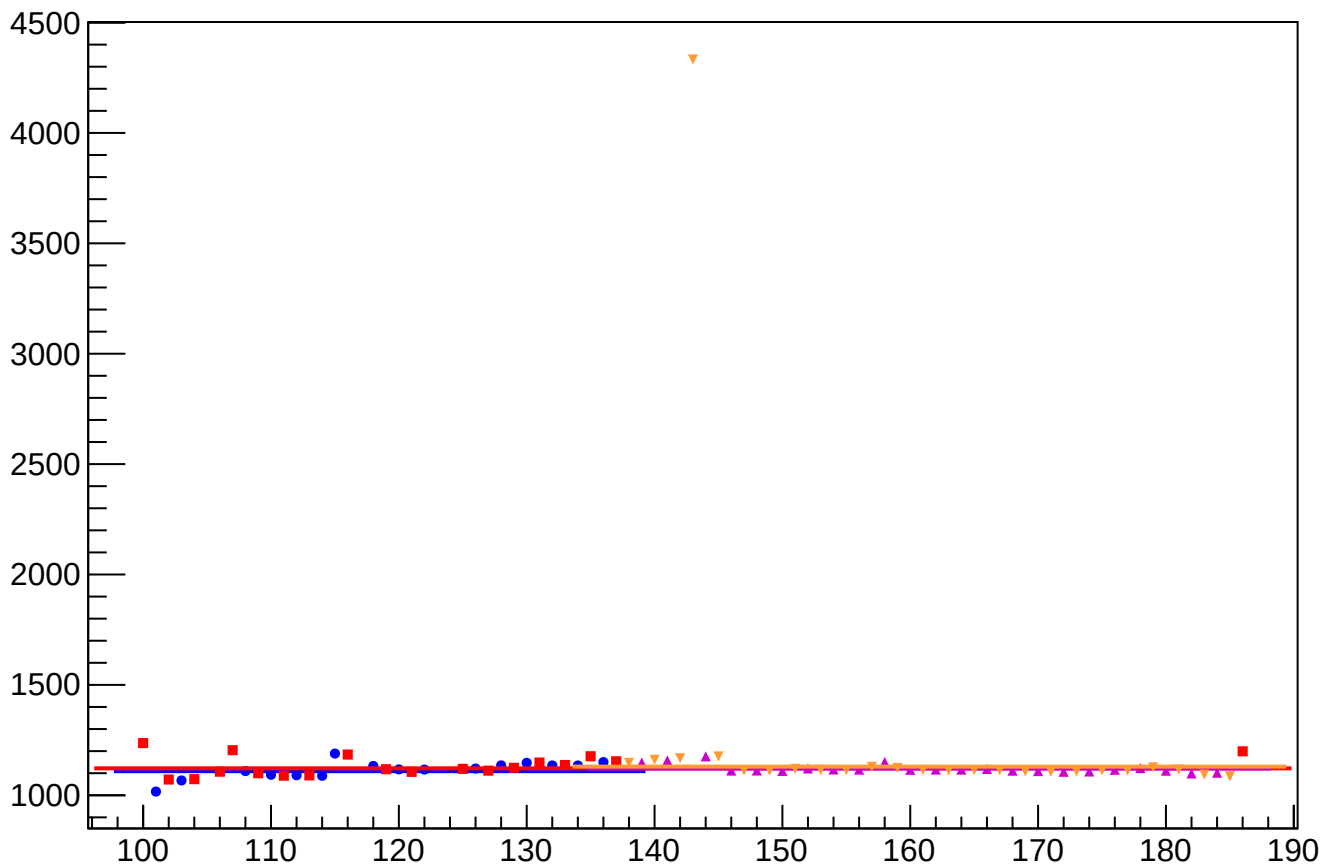
Left In: -1933.000 ± 268.006 χ^2/NDF : 27.0/22

+ sign 1578.594 ± 226.369 χ^2/NDF : 26.1/40

All: -192.611 ± 159.554 χ^2/NDF : 189.0/82

- sign -1941.293 ± 224.925 χ^2/NDF : 41.3/41

reg_asym_usl_rms vs Slug



Right In: 1109.203 $\pm$ 0.305 χ^2 /NDF: 18241.7/15

Left Out: 1129.901 $\pm$ 0.188 χ^2 /NDF: 858259.9/24

Right Out: 1122.034 $\pm$ 0.293 χ^2 /NDF: 18838.1/18

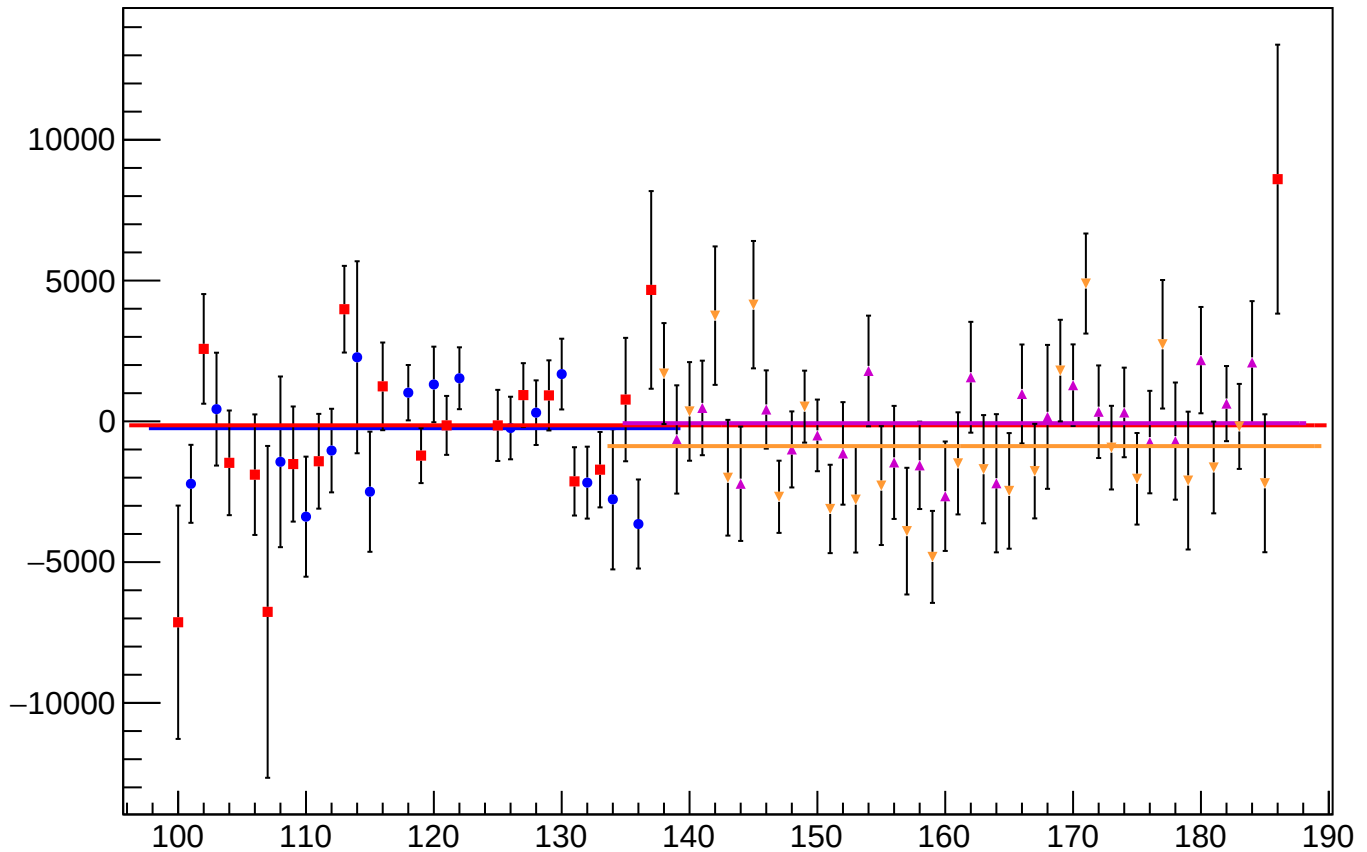
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

+ sign 1124.206 $\pm$ 0.160 χ^2 /NDF: 879836.4/40

All: 1122.744 $\pm$ 0.113 χ^2 /NDF: 908491.1/82

- sign 1121.299 $\pm$ 0.159 χ^2 /NDF: 28488.8/41

asym_usl_correction_mean vs Slug



Right In: -242.985 ± 361.487 $\chi^2/\text{NDF}: 22.5/15$

Left Out: -879.685 ± 355.692 $\chi^2/\text{NDF}: 43.5/24$

Right Out: -140.819 ± 356.557 $\chi^2/\text{NDF}: 28.5/18$

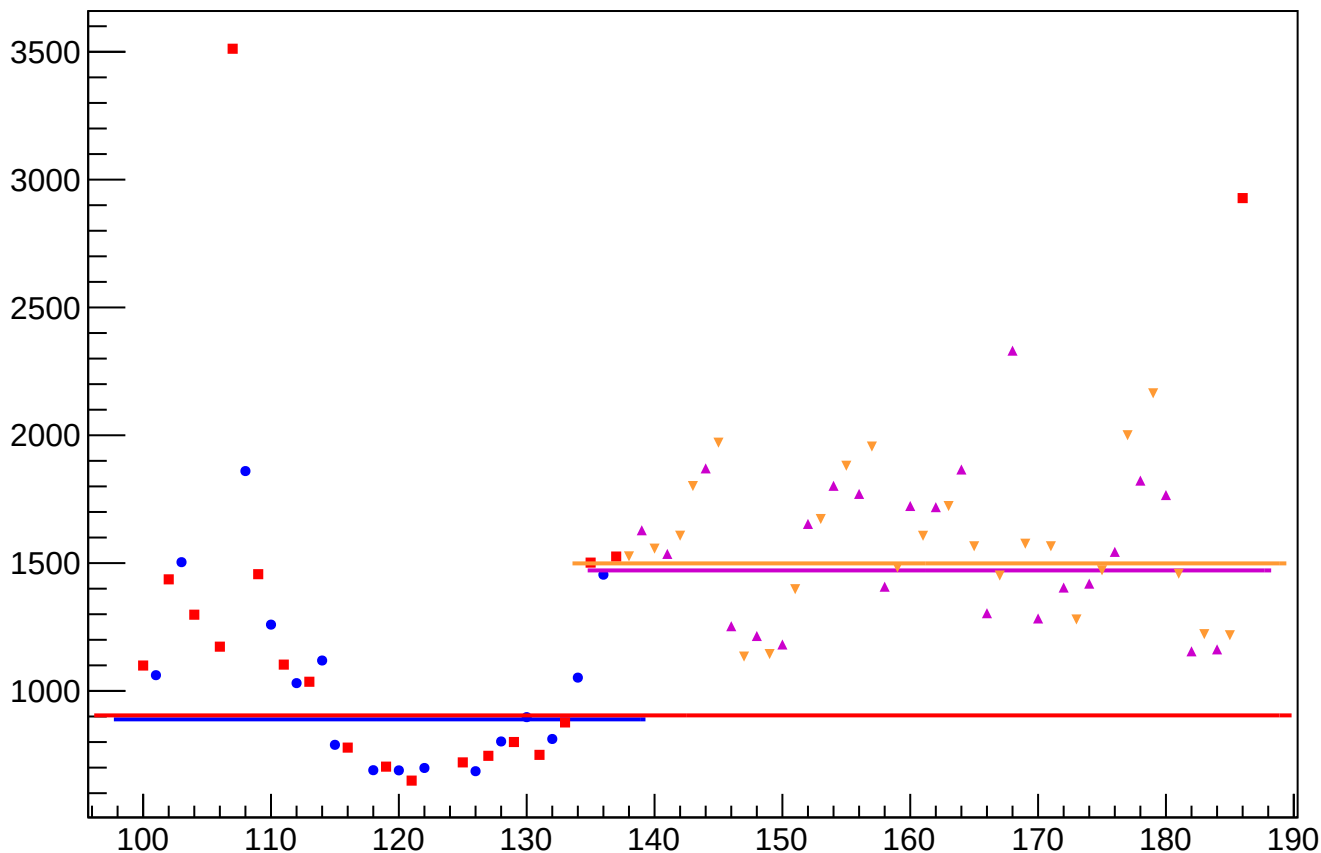
Left In: -65.738 ± 358.785 $\chi^2/\text{NDF}: 12.1/22$

+ sign -566.479 ± 253.536 $\chi^2/\text{NDF}: 67.7/40$

All: -334.422 ± 179.055 $\chi^2/\text{NDF}: 110.0/82$

- sign -103.512 ± 252.908 $\chi^2/\text{NDF}: 40.7/41$

asym_usl_correction_rms vs Slug



Right In: 888.808 ± 0.256 $\chi^2/\text{NDF}: 1052628.4/15$

Left Out: 1498.849 ± 0.252 $\chi^2/\text{NDF}: 1053906.2/24$

Right Out: 904.315 ± 0.252 $\chi^2/\text{NDF}: 1770141.0/18$

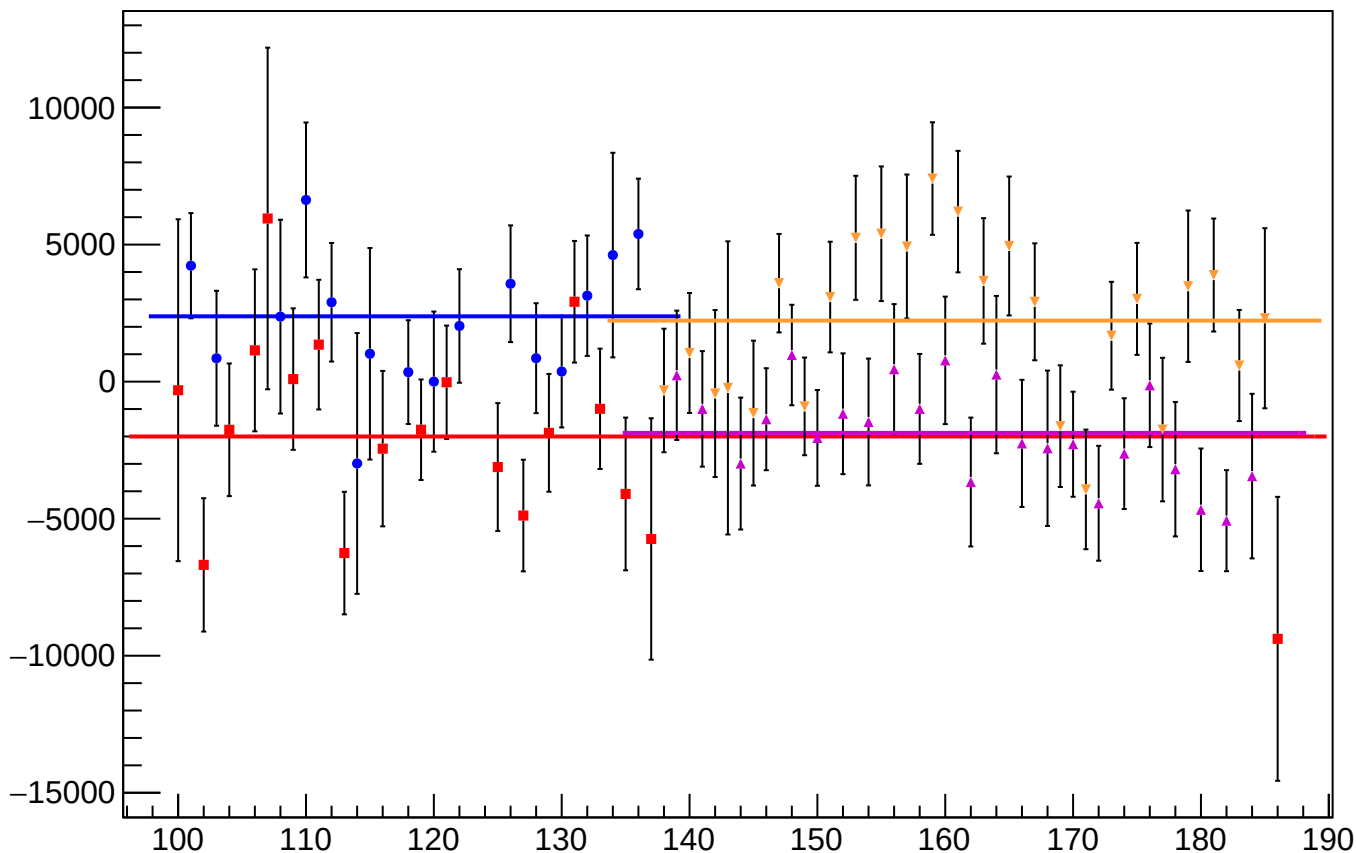
Left In: 1471.394 ± 0.254 $\chi^2/\text{NDF}: 1105310.5/22$

+ sign 1198.757 ± 0.179 $\chi^2/\text{NDF}: 5000509.7/40$

All: 1192.407 ± 0.127 $\chi^2/\text{NDF}: 10392169.2/8$

- sign 1186.088 ± 0.179 $\chi^2/\text{NDF}: 5389156.4/41$

asym_usl_mean vs Slug



Right In: 2382.736 $\pm$ 590.698 χ^2 /NDF: 11.6/15

Left Out: 2226.533 $\pm$ 454.821 χ^2 /NDF:38.8/24

Right Out: -2001.013 $\pm$ 581.261 χ^2 /NDF: 24.5/18

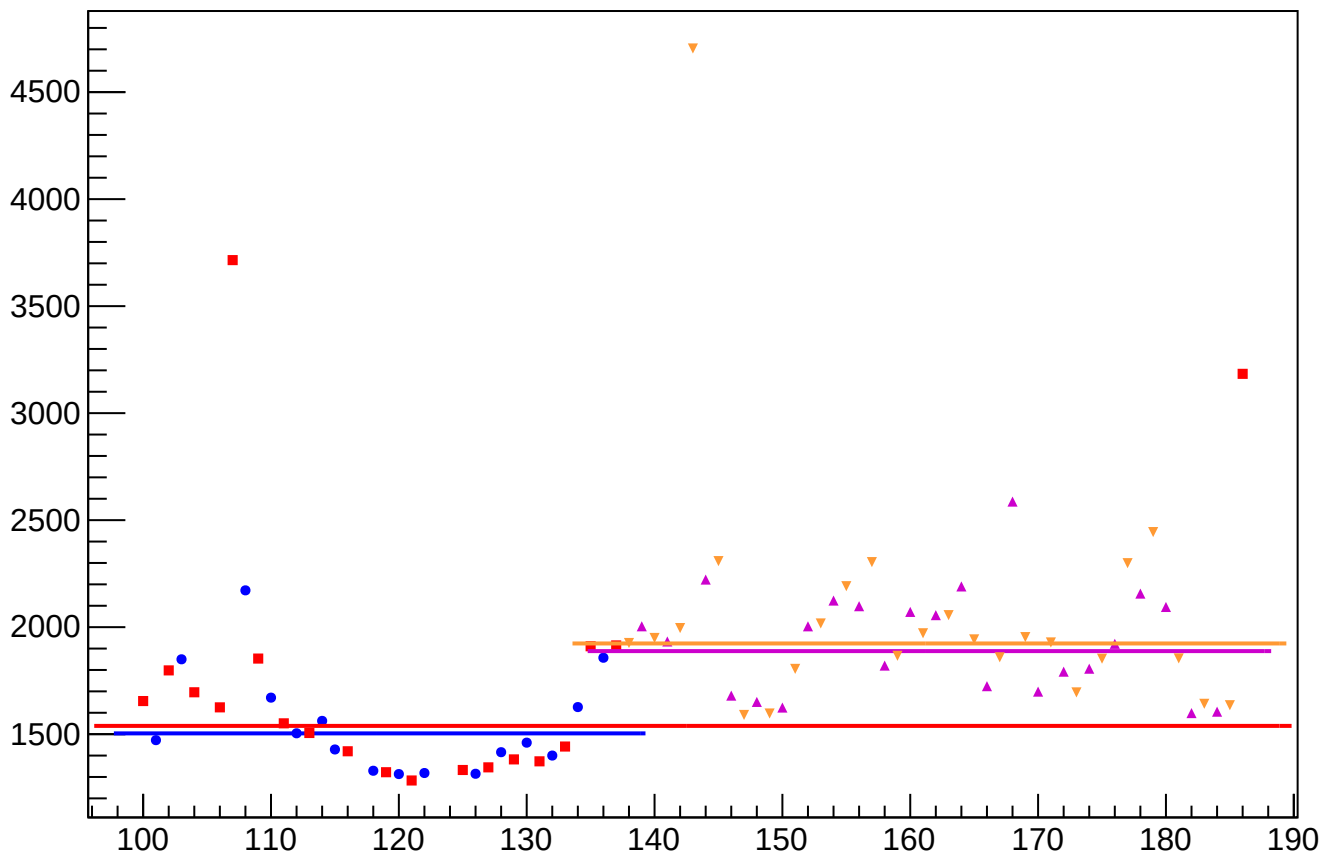
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2284.672 $\pm$ 360.373 χ^2 /NDF: 50.5/40

All: 171.595 $\pm$ 254.161 χ^2 /NDF: 158.3/82

- sign -1919.711 $\pm$ 358.512 χ^2 /NDF: 39.4/41

asym_usl_rms vs Slug



Right In: 1503.676 $\pm$ 0.418 χ^2 /NDF: 252138.4/15

Left Out: 1923.833 $\pm$ 0.322 χ^2 /NDF: 1006152.2/24

Right Out: 1538.670 $\pm$ 0.411 χ^2 /NDF: 680734.9/18

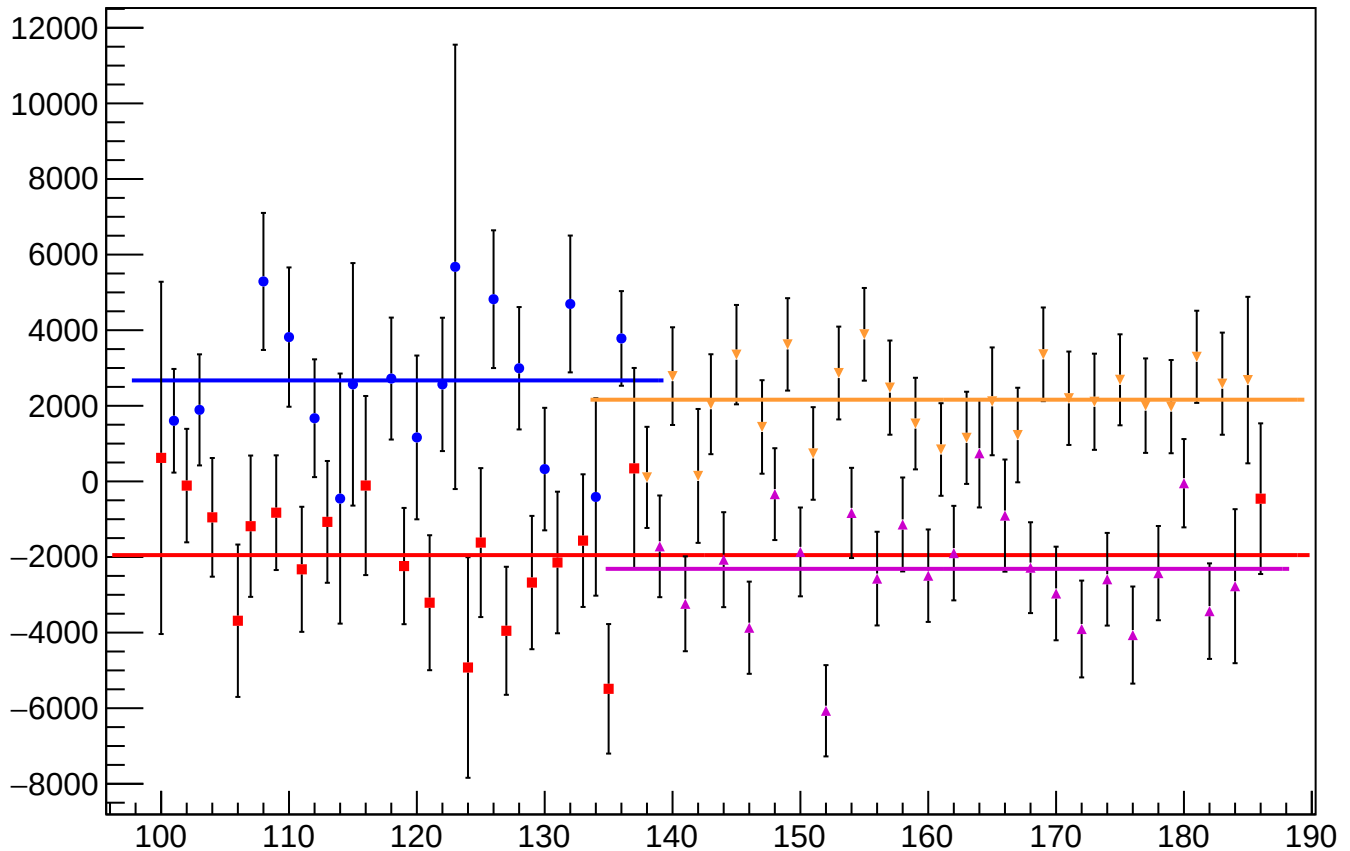
Left In: 1888.121 $\pm$ 0.322 χ^2 /NDF: 504568.6/22

+ sign 1767.452 $\pm$ 0.255 χ^2 /NDF: 1893541.3/40

All: 1761.286 $\pm$ 0.180 χ^2 /NDF: 3527885.0/82

- sign 1755.183 $\pm$ 0.254 χ^2 /NDF: 1633178.6/41

reg_asym_usr_mean vs Slug



Right In: 2671.295+/-434.567 χ^2/NDF : 12.4/16

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

Right Out: -1949.911+/-411.113 χ^2/NDF : 13.4/19

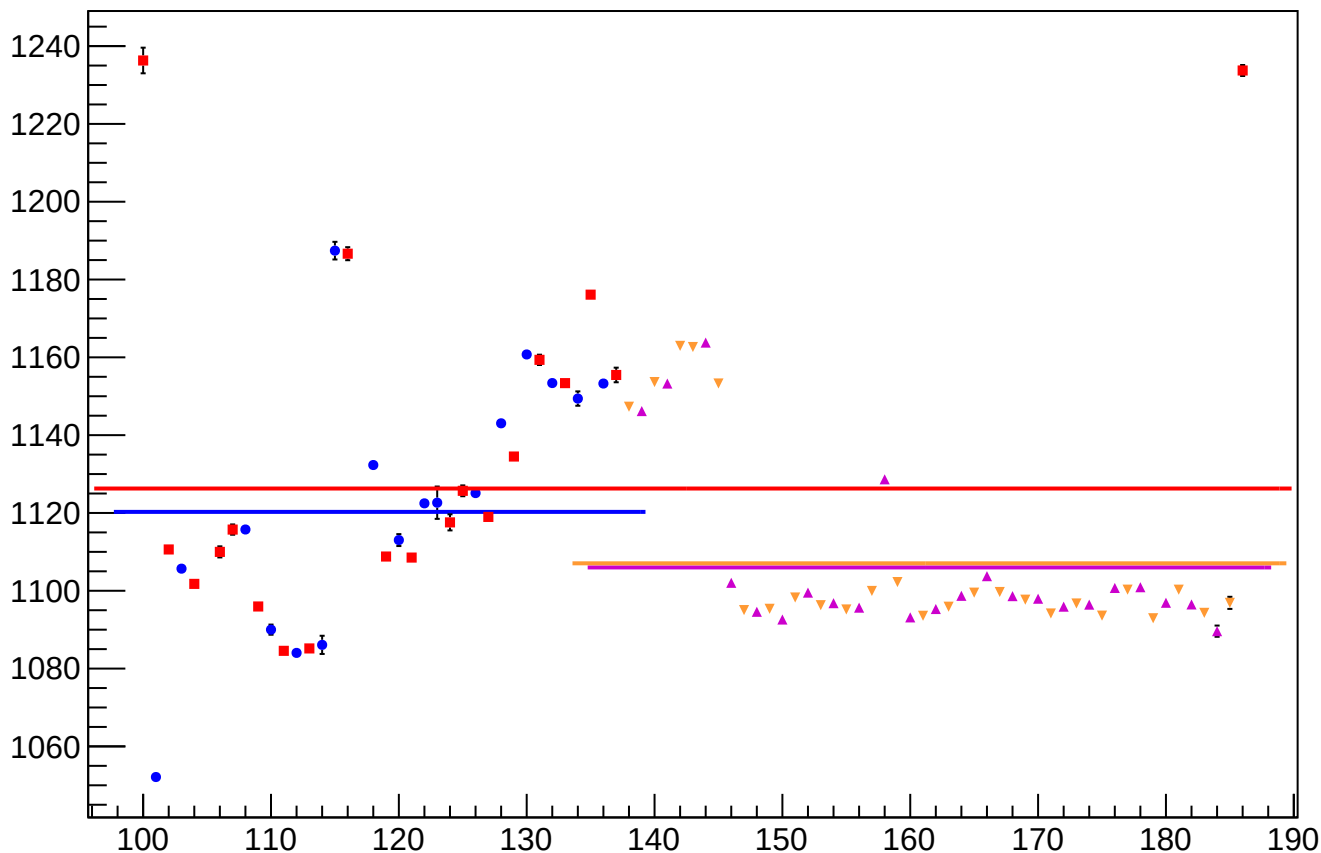
Left In: -2313.505+/-264.429 χ^2/NDF : 31.3/22

+ sign 2293.939+/-221.541 χ^2/NDF : 28.5/41

All: 52.096+/-156.955 χ^2/NDF : 279.3/84

- sign -2207.102+/-222.397 χ^2/NDF : 45.2/42

reg_asym_usr_rms vs Slug



Right In: 1120.277 $\pm$ 0.307 χ^2 /NDF: 11962.7/16

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

Right Out: 1126.282 $\pm$ 0.291 χ^2 /NDF: 16085.6/19

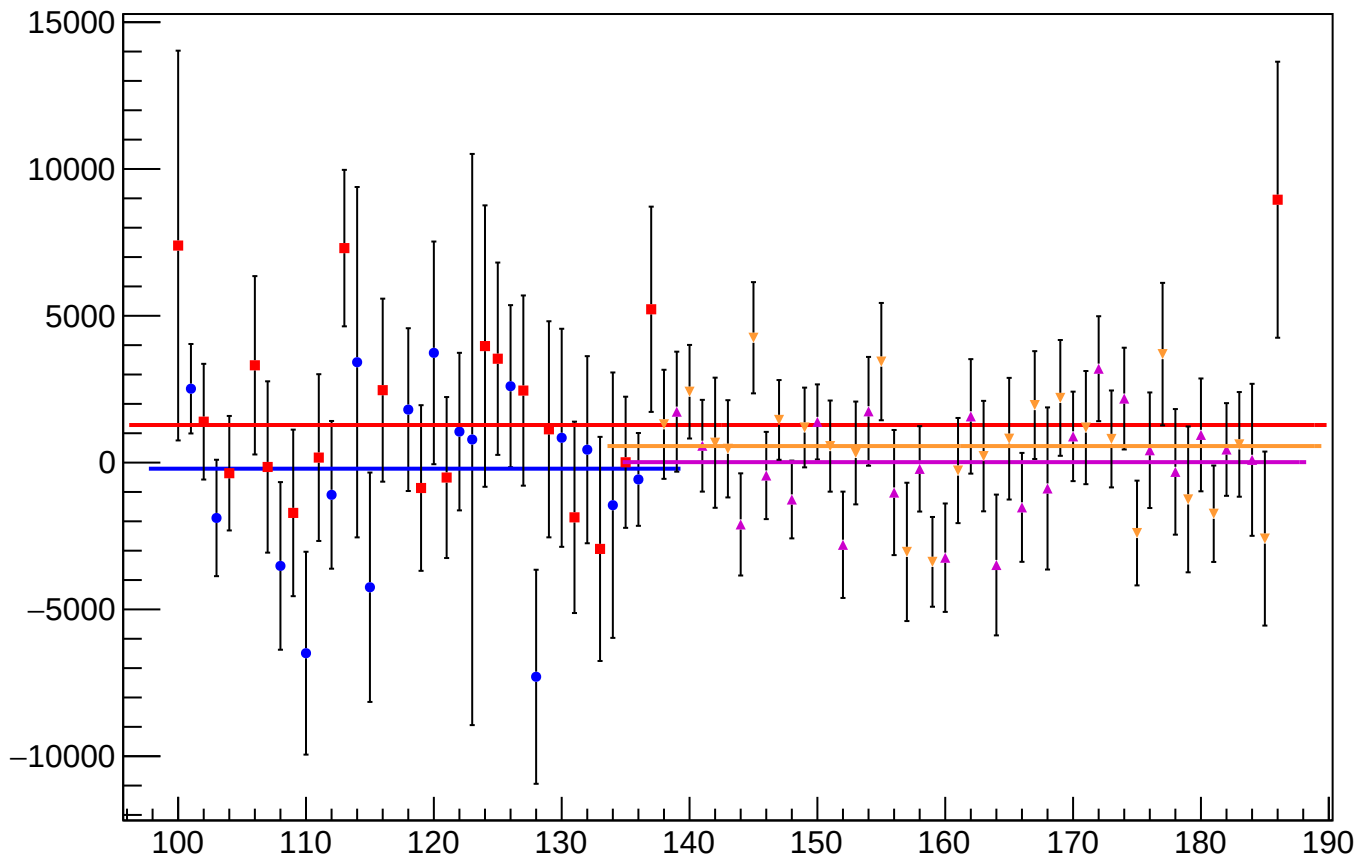
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF: 11551.3/22

+ sign 1110.493 $\pm$ 0.157 χ^2 /NDF: 28508.3/41

All: 1111.210 $\pm$ 0.111 χ^2 /NDF: 59631.7/84

- sign 1111.933 $\pm$ 0.157 χ^2 /NDF: 31081.3/42

asym_usr_correction_mean vs Slug



Right In: -207.352 ± 656.632 χ^2/NDF : 17.0/16

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

Right Out: 1280.334 ± 657.055 χ^2/NDF : 17.1/19

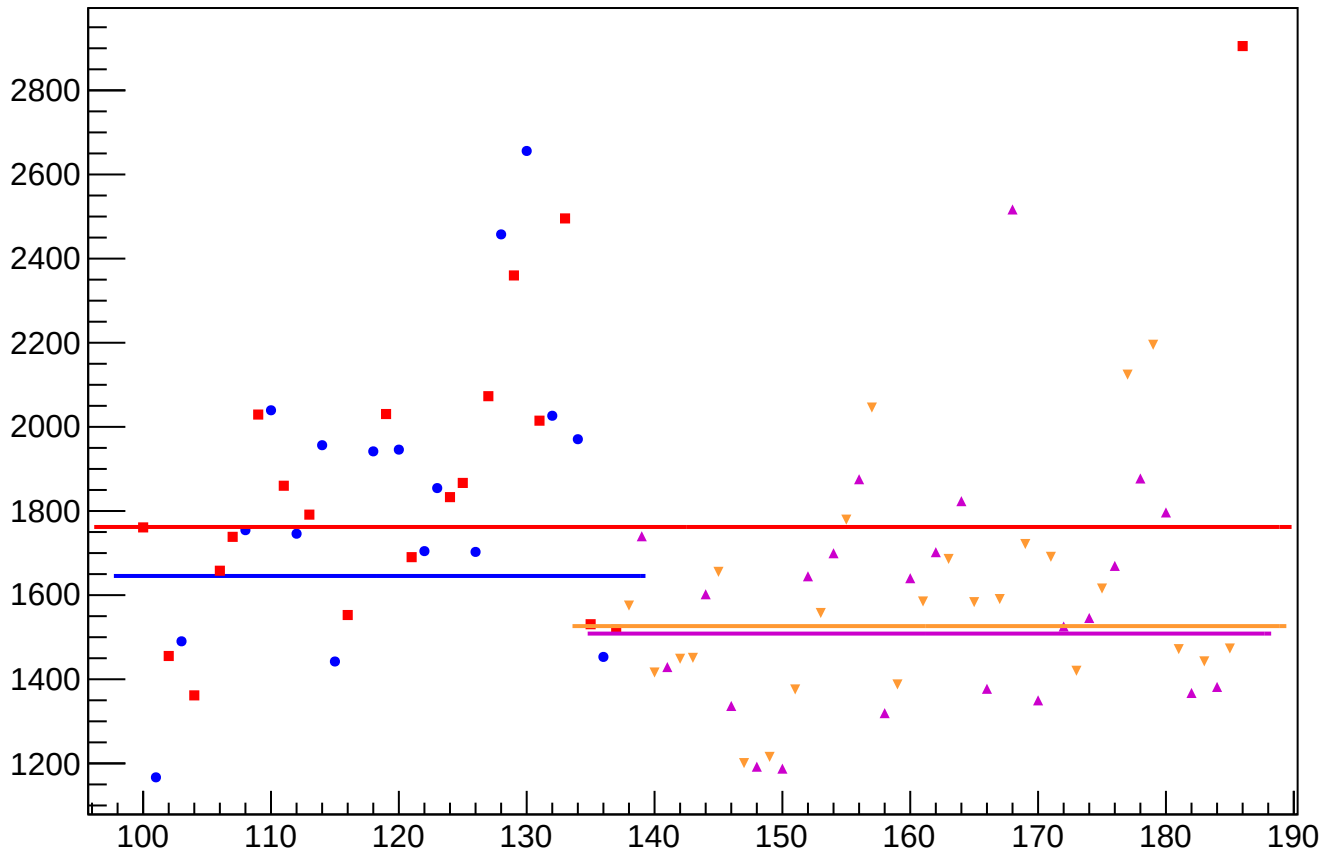
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 384.493 ± 316.278 χ^2/NDF : 44.9/41

All: 350.731 ± 225.054 χ^2/NDF : 85.0/84

- sign 316.103 ± 320.310 χ^2/NDF : 40.1/42

asym_usr_correction_rms vs Slug



Right In: 1645.579 $\pm$ 0.464 χ^2 /NDF: 606697.8/16

Left Out: 1526.391 $\pm$ 0.255 χ^2 /NDF: 753714.4/24

Right Out: 1762.034 $\pm$ 0.465 χ^2 /NDF: 493223.5/19

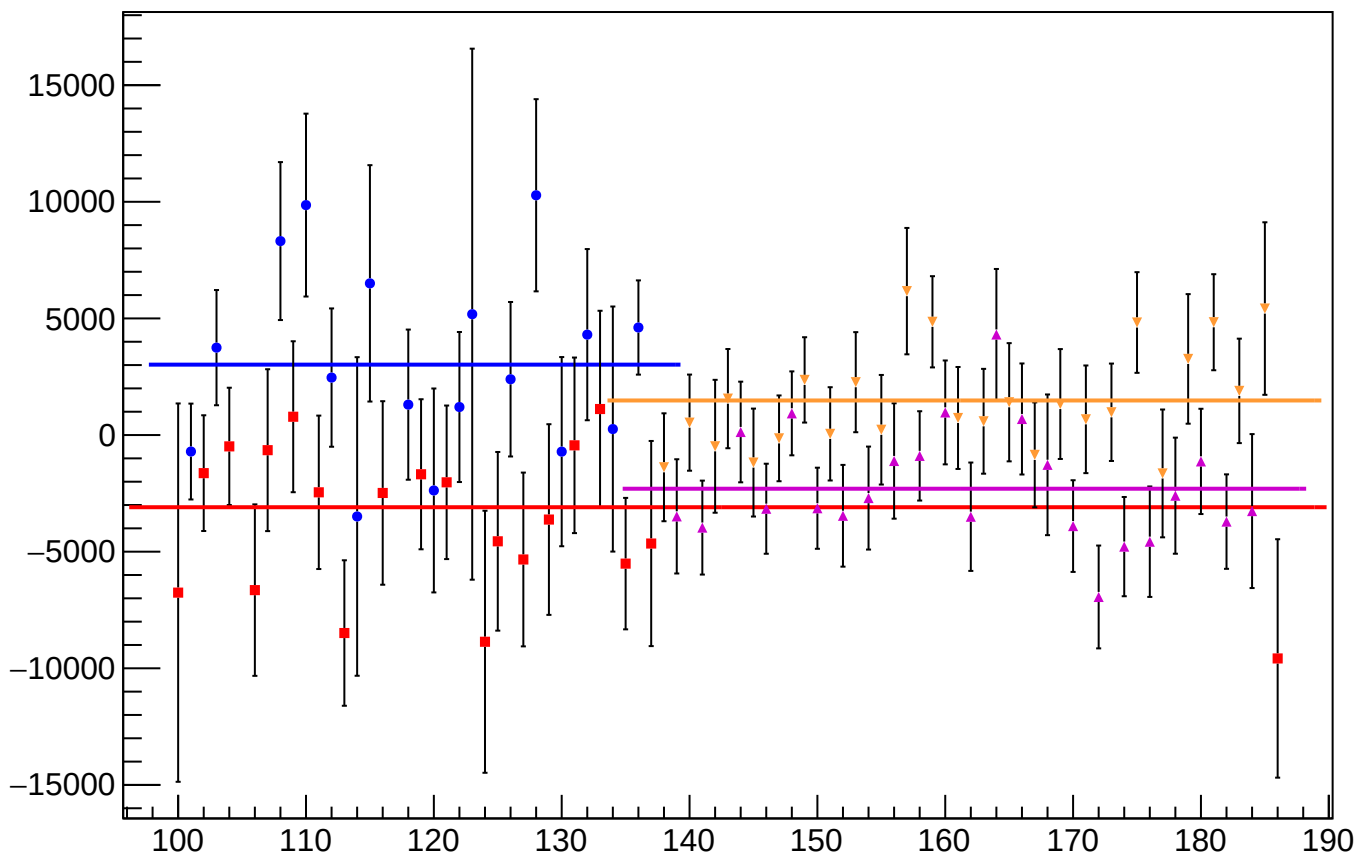
Left In: 1508.581 $\pm$ 0.259 χ^2 /NDF: 931684.8/22

+ sign 1554.043 $\pm$ 0.224 χ^2 /NDF: 1411018.9/41

All: 1561.335 $\pm$ 0.159 χ^2 /NDF: 3064950.2/84

- sign 1568.814 $\pm$ 0.226 χ^2 /NDF: 1651777.8/42

asym_usr_mean vs Slug



Right In: 3018.495 $\pm$ 804.013 χ^2 /NDF: 17.5/16

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

Right Out: -3094.276 $\pm$ 787.629 χ^2 /NDF: 13.4/19

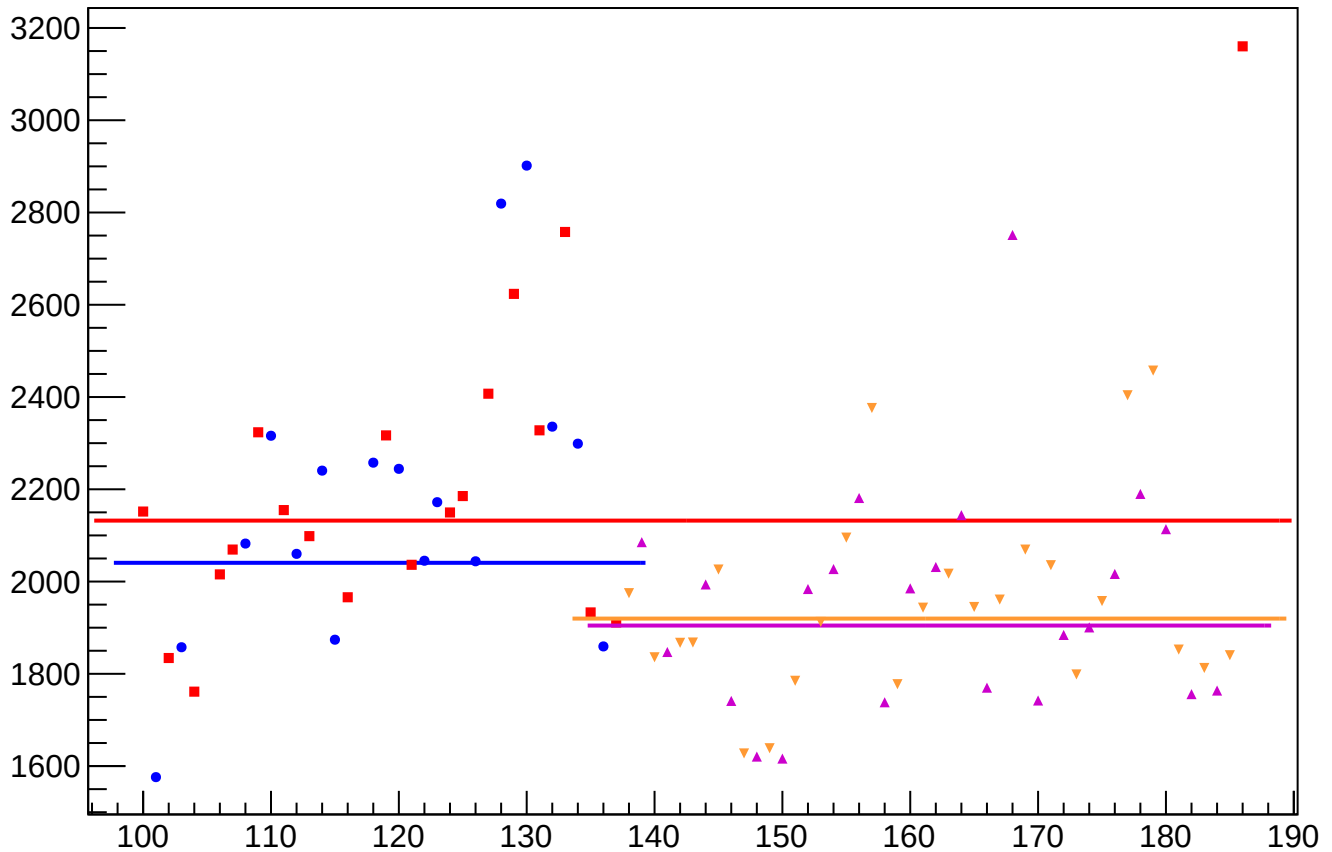
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

+ sign 1848.763 $\pm$ 392.668 χ^2 /NDF: 41.2/41

All: -305.108 $\pm$ 279.038 χ^2 /NDF: 140.9/84

- sign -2502.318 $\pm$ 396.599 χ^2 /NDF: 39.0/42

asym_usr_rms vs Slug



Right In: 2040.634+/-0.569 χ^2/NDF : 336565.5/16

Left Out: 1919.732+/-0.318 χ^2/NDF : 366218.1/24

Right Out: 2132.130+/-0.557 χ^2/NDF : 279900.5/19

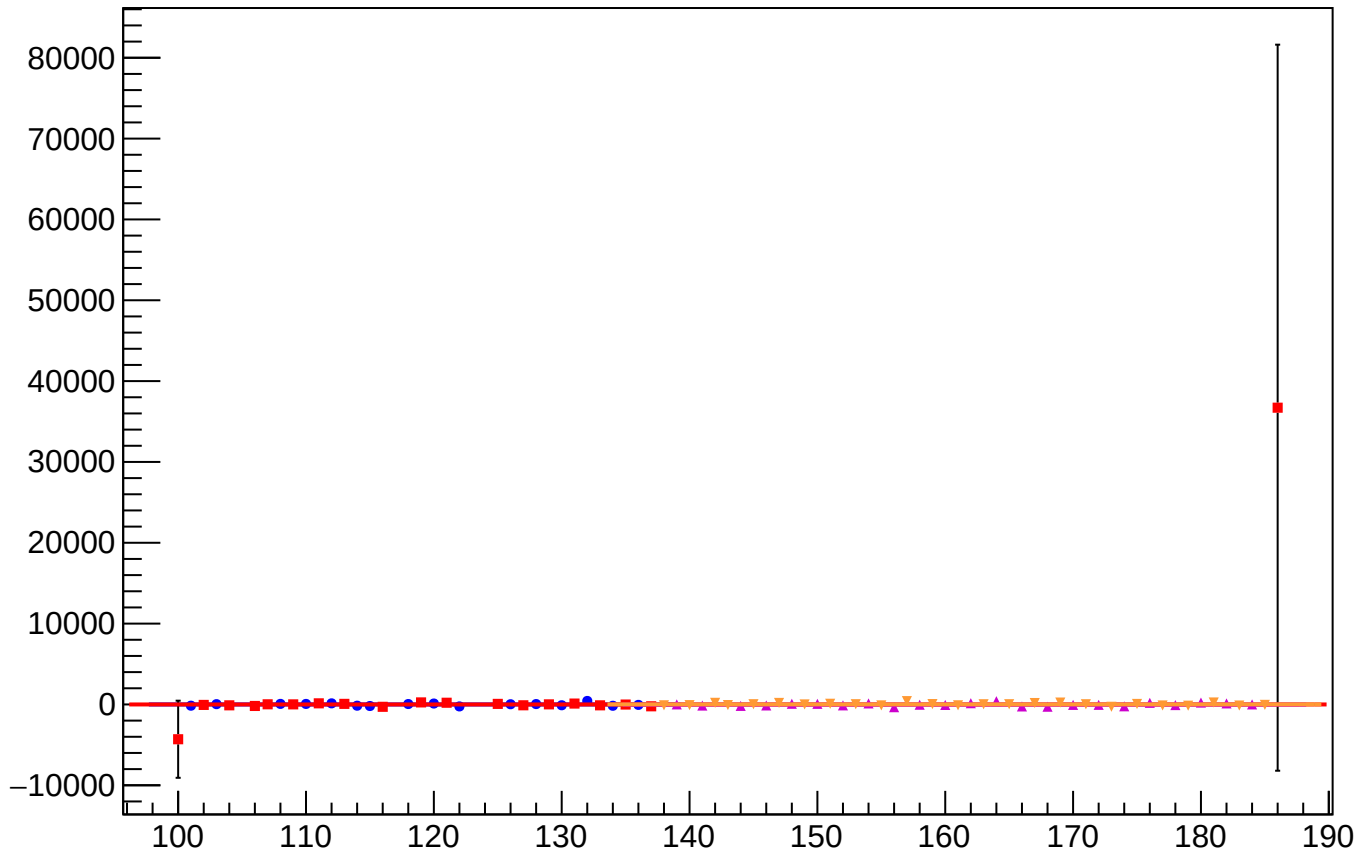
Left In: 1904.629+/-0.325 χ^2/NDF : 447350.7/22

+ sign 1948.569+/-0.278 χ^2/NDF : 737221.0/41

All: 1955.372+/-0.197 χ^2/NDF : 1590238.7/84

- sign 1962.311+/-0.280 χ^2/NDF : 851805.2/42

reg_asym_dsl_mean vs Slug



Right In: -0.770 ± 36.771 χ^2/NDF : 16.5/15

Left Out: 7.608 ± 25.572 χ^2/NDF : 36.5/24

Right Out: -1.435 ± 36.756 χ^2/NDF : 14.4/18

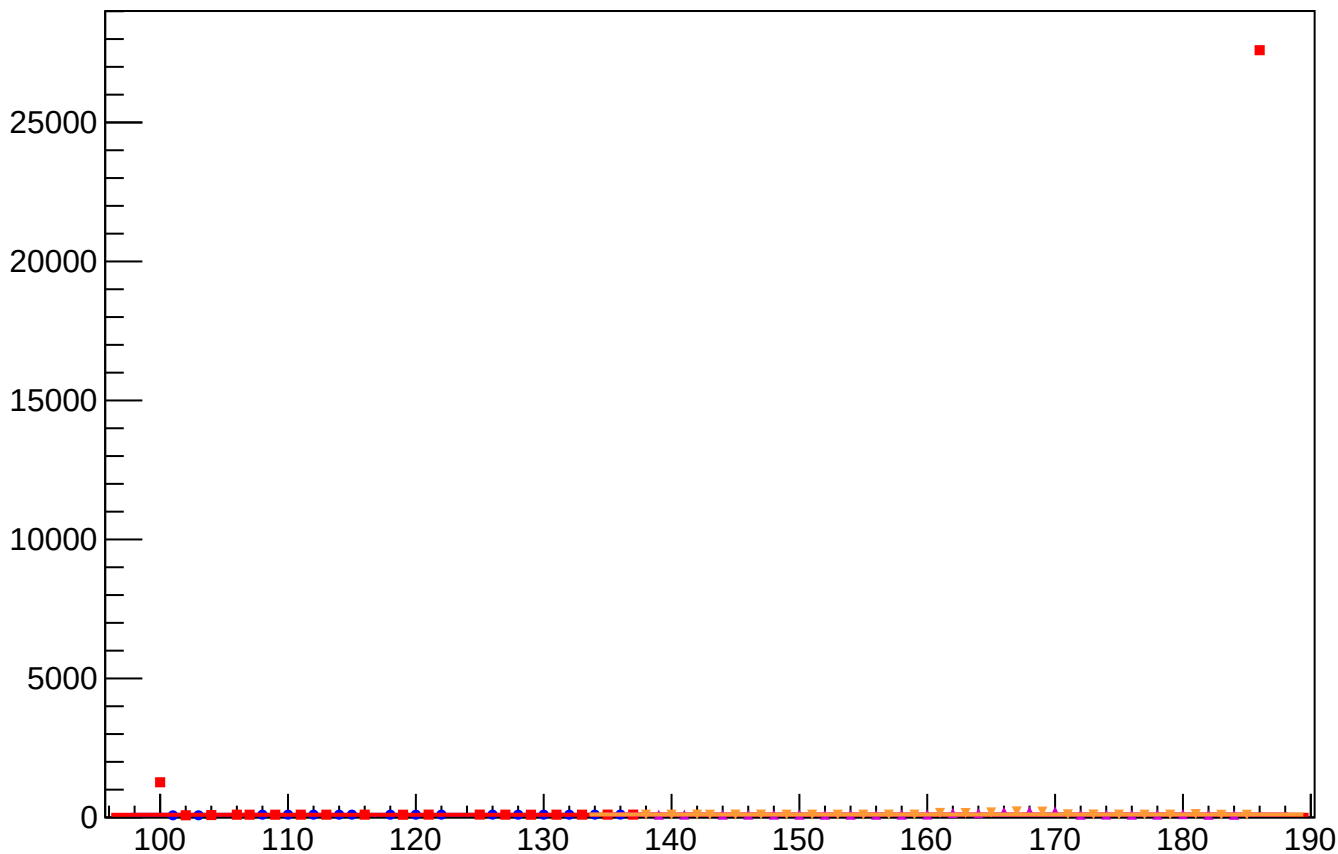
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 4.877 ± 20.995 χ^2/NDF : 53.0/40

All: -5.779 ± 14.991 χ^2/NDF : 104.7/82

- sign -16.862 ± 21.412 χ^2/NDF : 51.1/41

reg_asym_dsl_rms vs Slug



Right In: 94.047 $\pm$ 0.026 χ^2 /NDF: 152068.3/15

Left Out: 107.590 $\pm$ 0.018 χ^2 /NDF: 1447372.1/24

Right Out: 96.376 $\pm$ 0.026 χ^2 /NDF: 959204.9/18

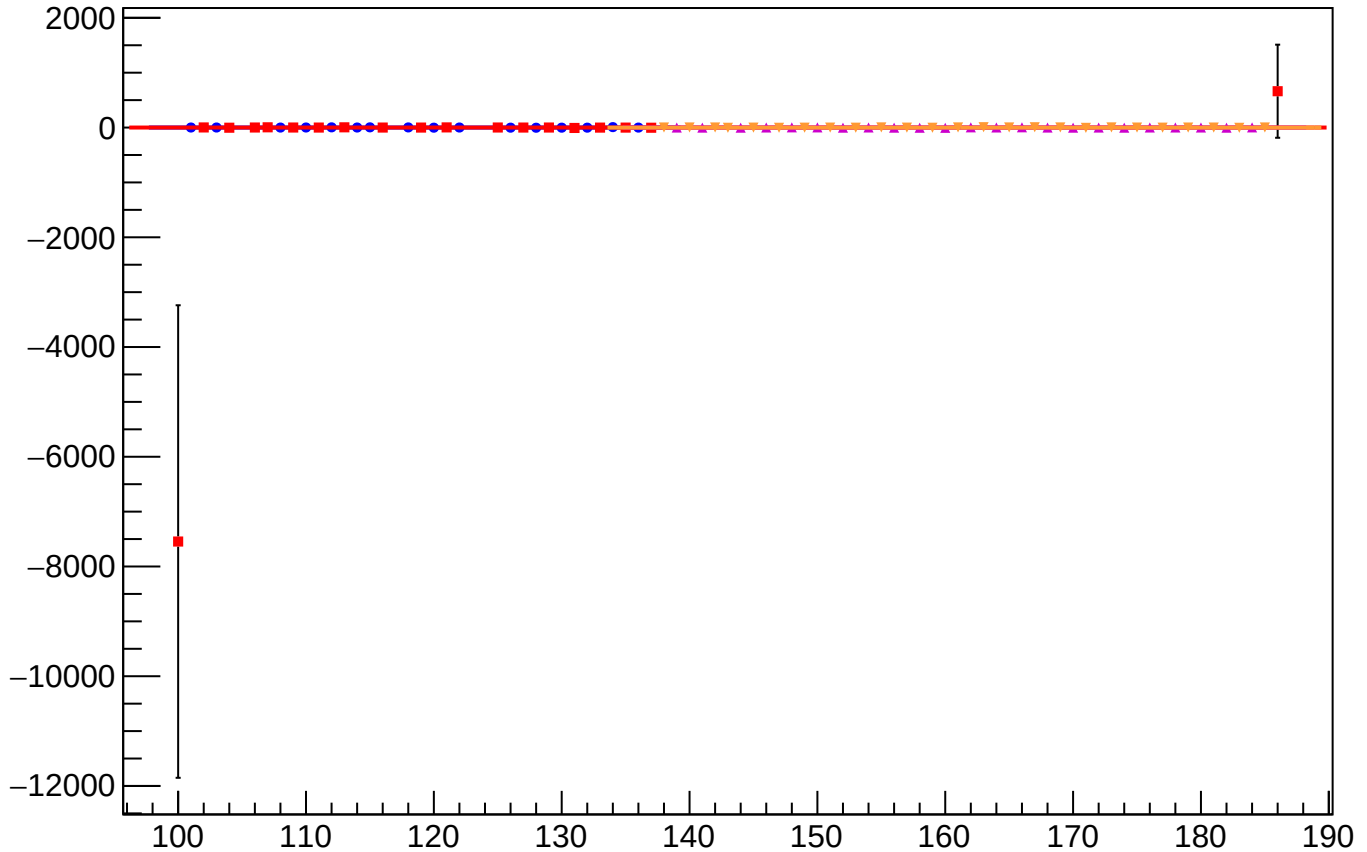
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.175 $\pm$ 0.015 χ^2 /NDF: 1782284.0/40

All: 103.500 $\pm$ 0.011 χ^2 /NDF: 4358296.7/82

- sign 103.839 $\pm$ 0.015 χ^2 /NDF: 2575031.8/41

asym_dsl_correction_mean vs Slug



Right In: 0.390 ± 0.617 χ^2/NDF : 10.4/15

Left Out: -0.765 ± 0.459 χ^2/NDF : 34.1/24

Right Out: 0.345 ± 0.644 χ^2/NDF : 21.6/18

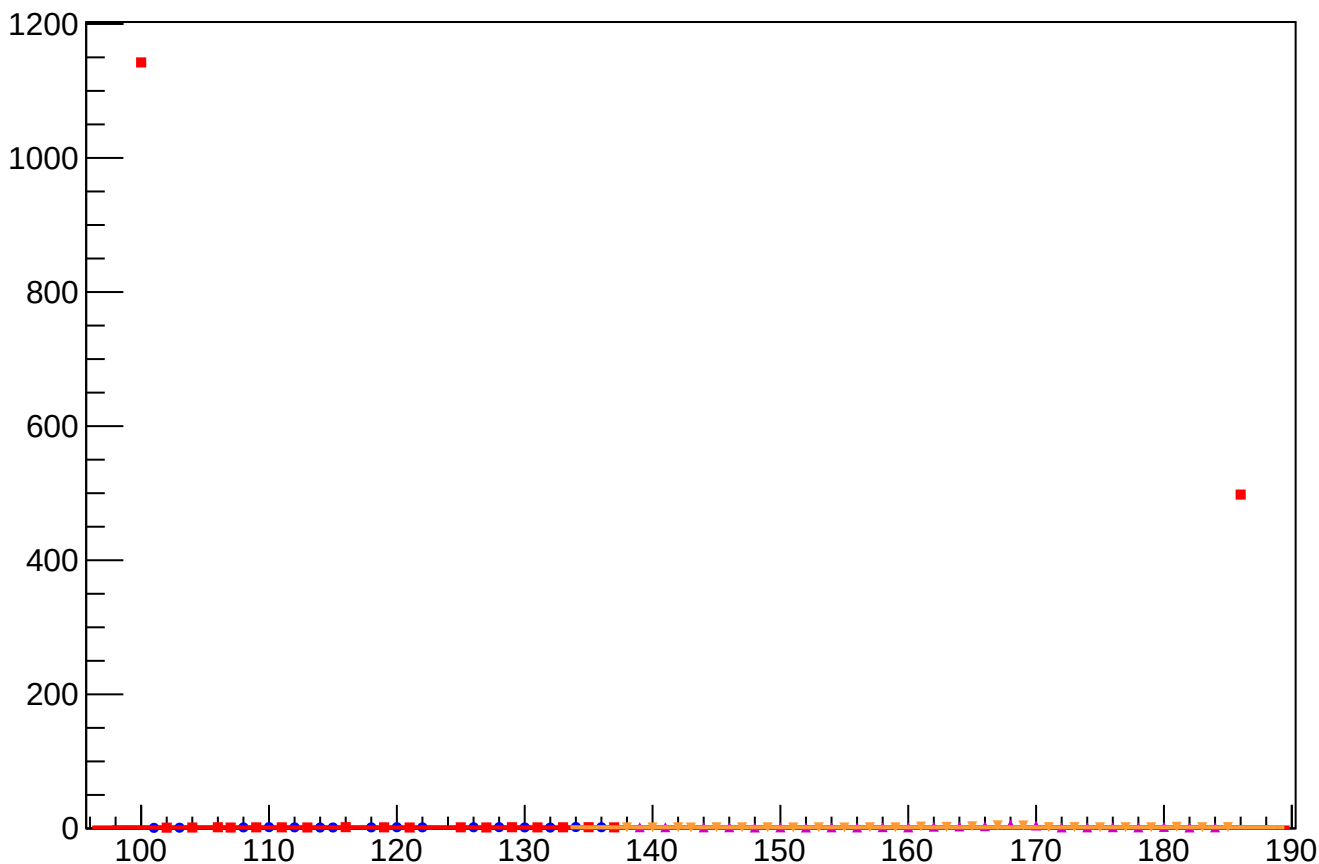
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

+ sign -0.353 ± 0.368 χ^2/NDF : 46.8/40

All: -0.106 ± 0.267 χ^2/NDF : 94.4/82

- sign 0.168 ± 0.387 χ^2/NDF : 46.7/41

asym_dsl_correction_rms vs Slug



Right In: 1.420 $\pm$ 0.000 χ^2 /NDF: 713301.5/15

Left Out: 1.746 $\pm$ 0.000 χ^2 /NDF:1683746.5/24

Right Out: 1.555 $\pm$ 0.000 χ^2 /NDF: 998606.0/18

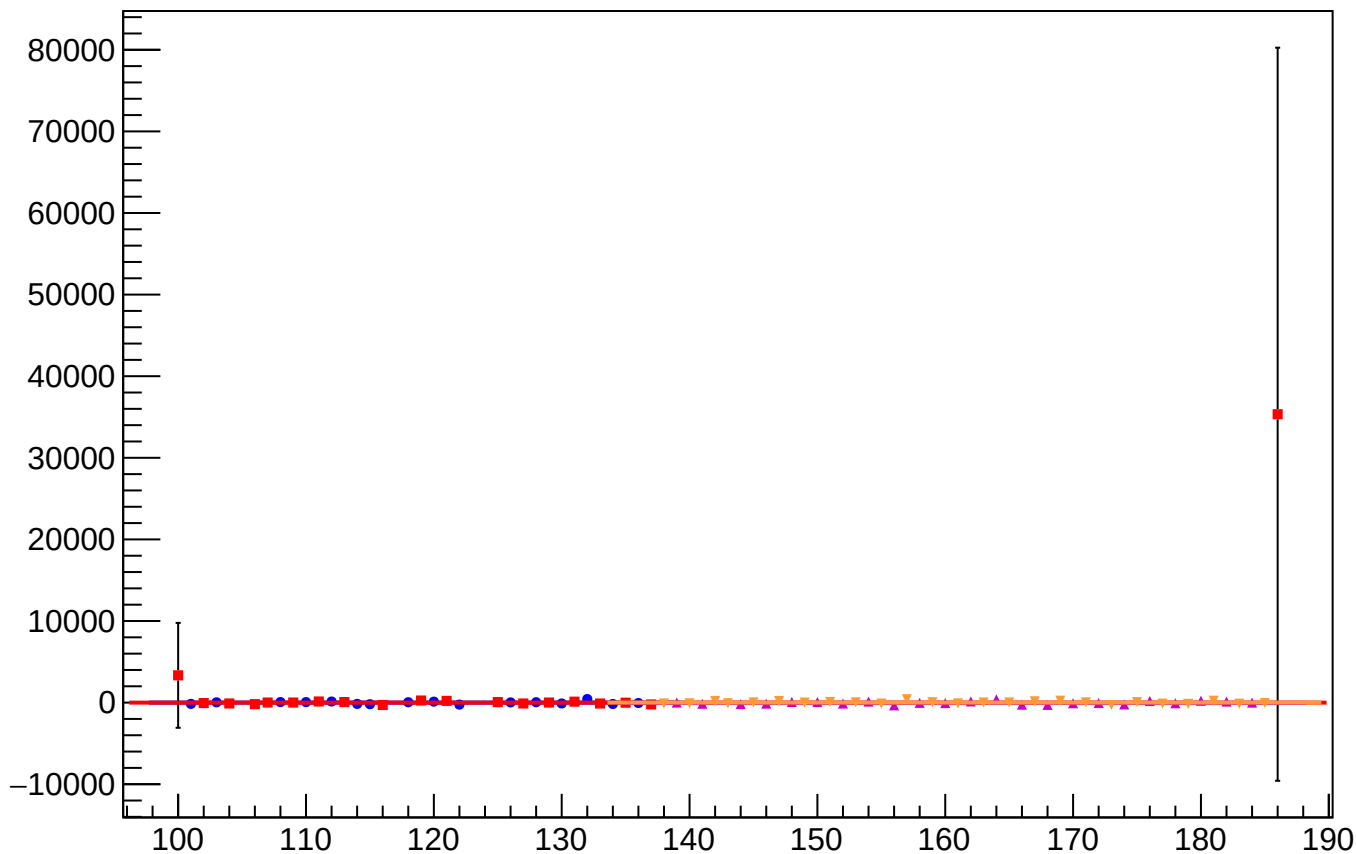
Left In: 1.802 $\pm$ 0.000 χ^2 /NDF:1921298.2/22

+ sign 1.630 $\pm$ 0.000 χ^2 /NDF: 2757113.2/40

All: 1.669 $\pm$ 0.000 χ^2 /NDF: 5913574.6/82

- sign 1.713 $\pm$ 0.000 χ^2 /NDF: 3108246.1/41

asym_dsl_mean vs Slug



Right In: -0.474 ± 36.781 χ^2/NDF : 16.7/15

Left Out: 8.411 ± 25.580 χ^2/NDF : 36.3/24

Right Out: -1.200 ± 36.766 χ^2/NDF : 13.9/18

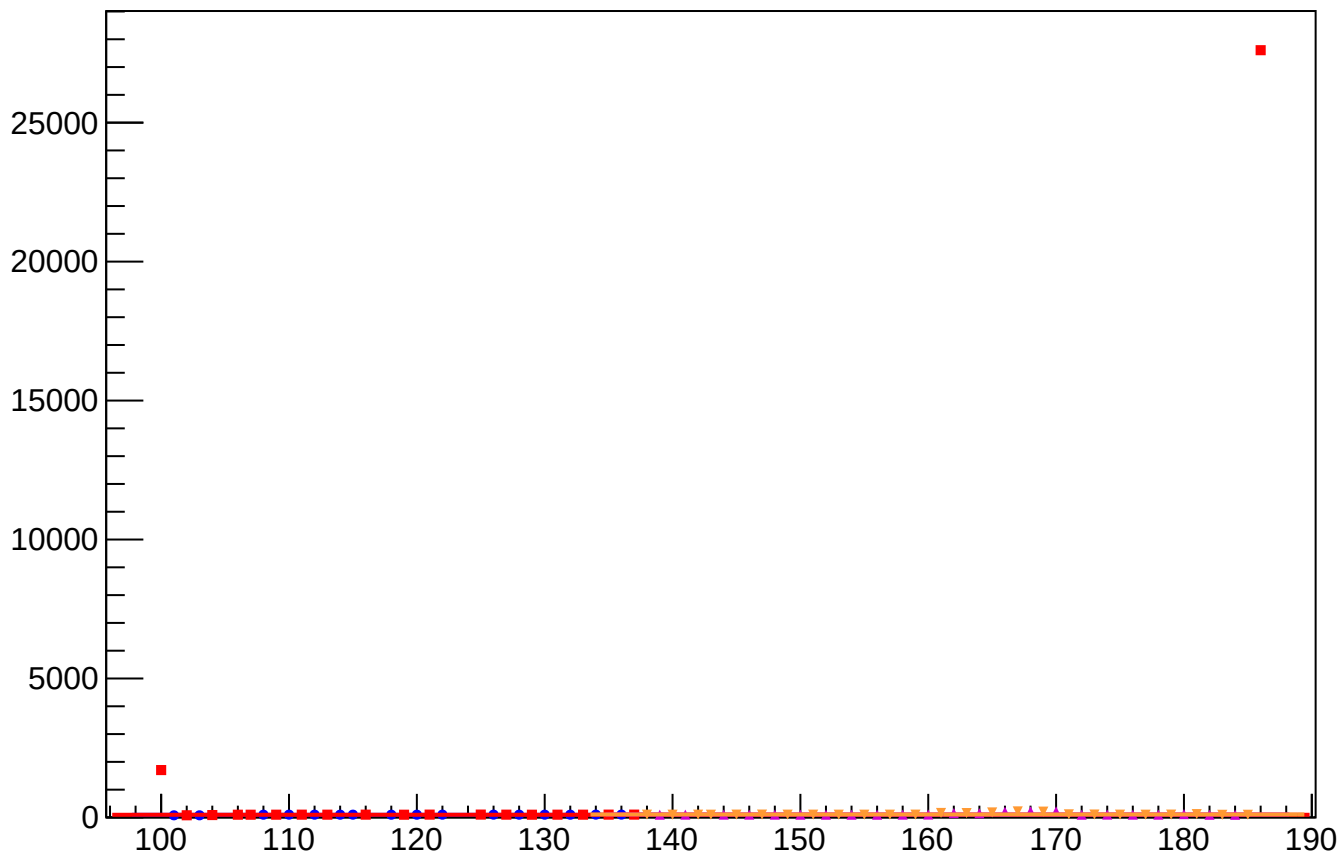
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 5.515 ± 21.001 χ^2/NDF : 53.0/40

All: -5.584 ± 14.995 χ^2/NDF : 103.5/82

- sign -17.129 ± 21.418 χ^2/NDF : 49.9/41

asym_dsl_rms vs Slug



Right In: 94.071 $\pm$ 0.026 χ^2 /NDF: 152087.2/15

Left Out: 107.620 $\pm$ 0.018 χ^2 /NDF: 1448769.2/24

Right Out: 96.385 $\pm$ 0.026 χ^2 /NDF: 964345.9/18

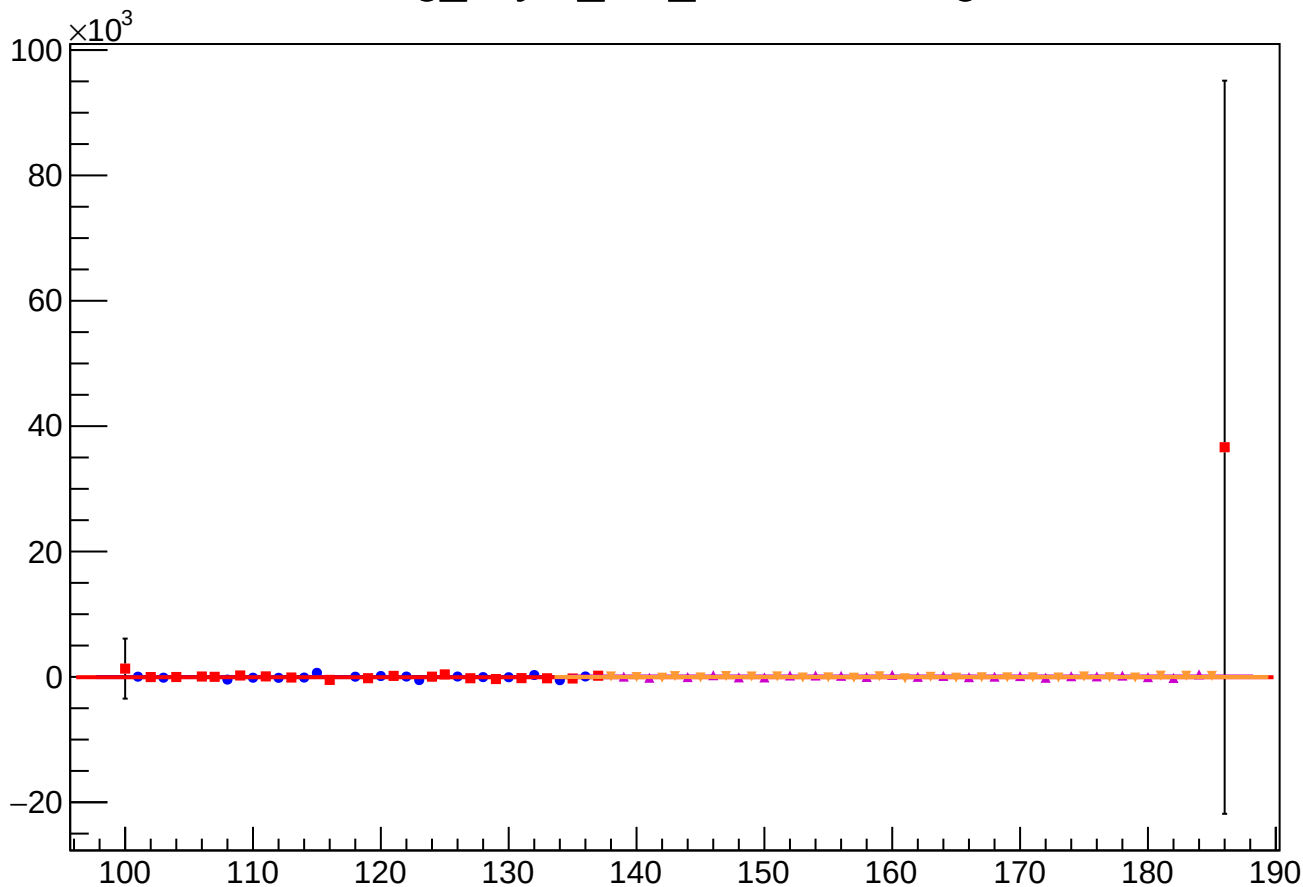
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 103.203 $\pm$ 0.015 χ^2 /NDF: 1783768.4/40

All: 103.526 $\pm$ 0.011 χ^2 /NDF: 4366624.0/82

- sign 103.862 $\pm$ 0.015 χ^2 /NDF: 2581890.2/41

reg_asym_dsr_mean vs Slug



Right In: -26.797 ± 46.841 χ^2/NDF : 14.4/16

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

Right Out: -53.360 ± 47.775 χ^2/NDF : 15.8/19

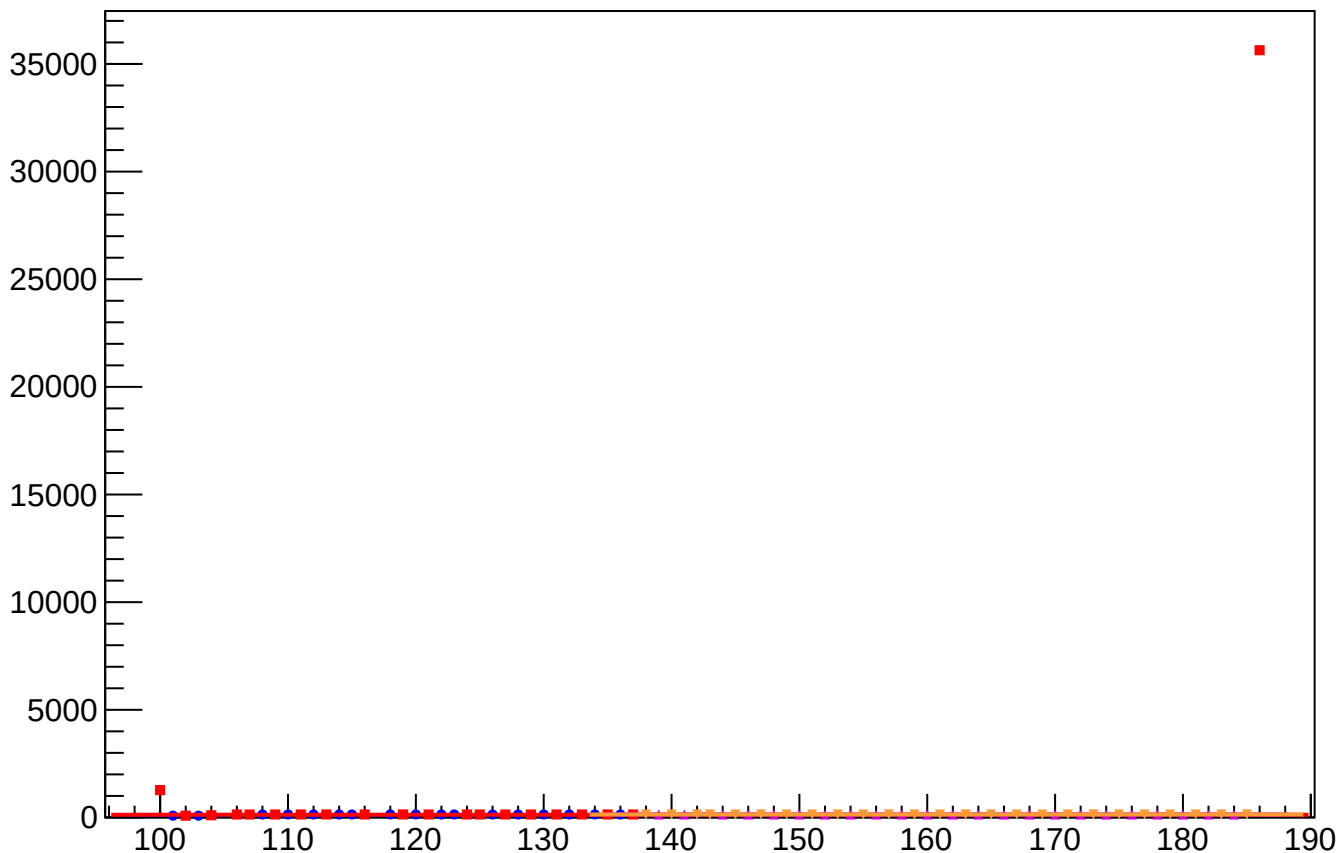
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.286 ± 26.458 χ^2/NDF : 26.5/41

All: 4.350 ± 18.939 χ^2/NDF : 67.1/84

- sign 27.084 ± 27.121 χ^2/NDF : 39.3/42

reg_asym_dsr_rms vs Slug



Right In: 117.762 $\pm$ 0.033 χ^2 /NDF: 665636.8/16

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

Right Out: 124.748 $\pm$ 0.034 χ^2 /NDF: 1306936.4/19

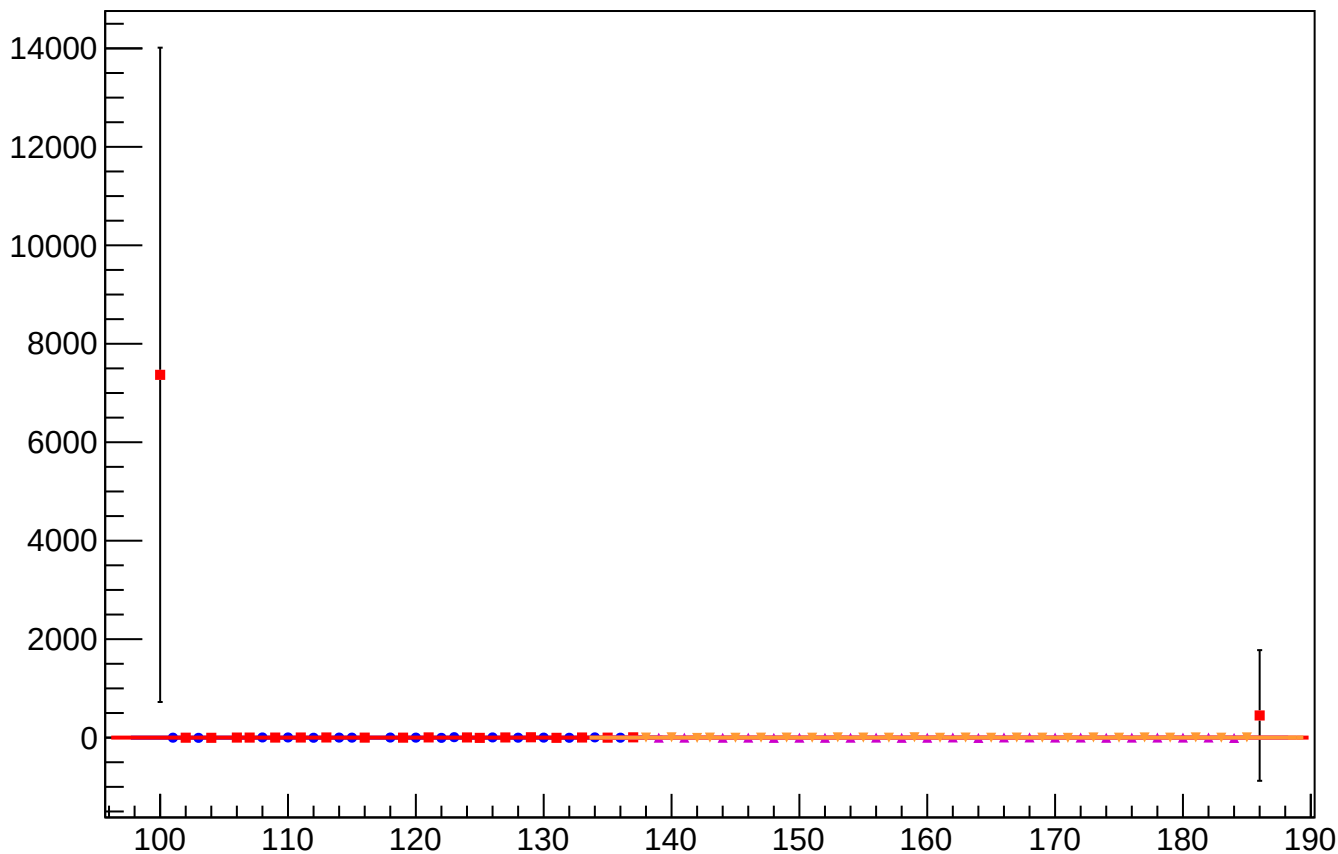
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.445 $\pm$ 0.019 χ^2 /NDF: 916727.3/41

All: 132.494 $\pm$ 0.013 χ^2 /NDF: 2331812.9/84

- sign 133.597 $\pm$ 0.019 χ^2 /NDF: 1408636.1/42

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 12.2/16

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

Right Out: 0.638 ± 0.852 χ^2/NDF : 14.8/19

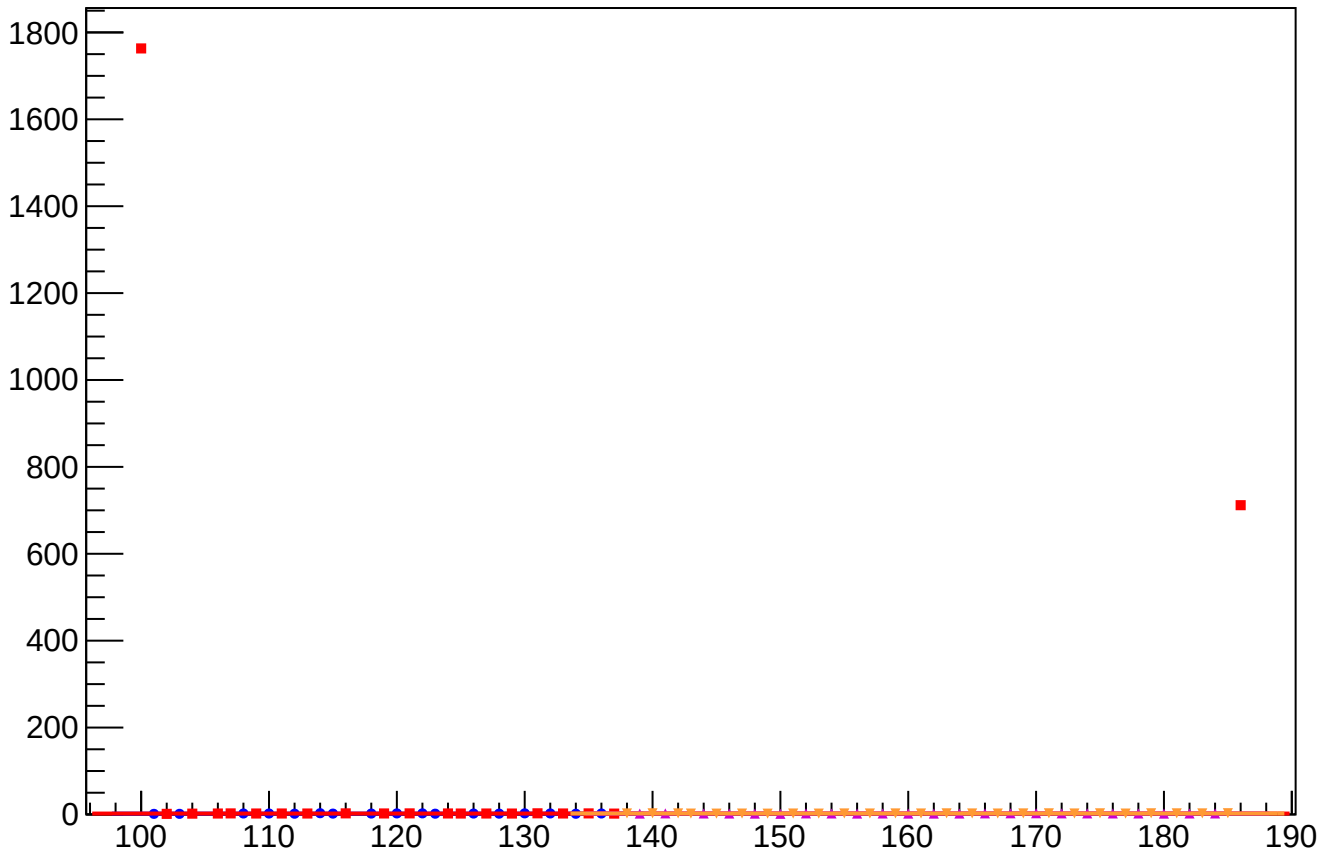
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 42.7/41

All: 0.046 ± 0.334 χ^2/NDF : 79.0/84

- sign 0.003 ± 0.479 χ^2/NDF : 36.3/42

asym_dsr_correction_rms vs Slug



Right In: 1.865 $\pm$ 0.001 χ^2 /NDF: 489750.7/16

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

Right Out: 2.064 $\pm$ 0.001 χ^2 /NDF: 1093892.4/19

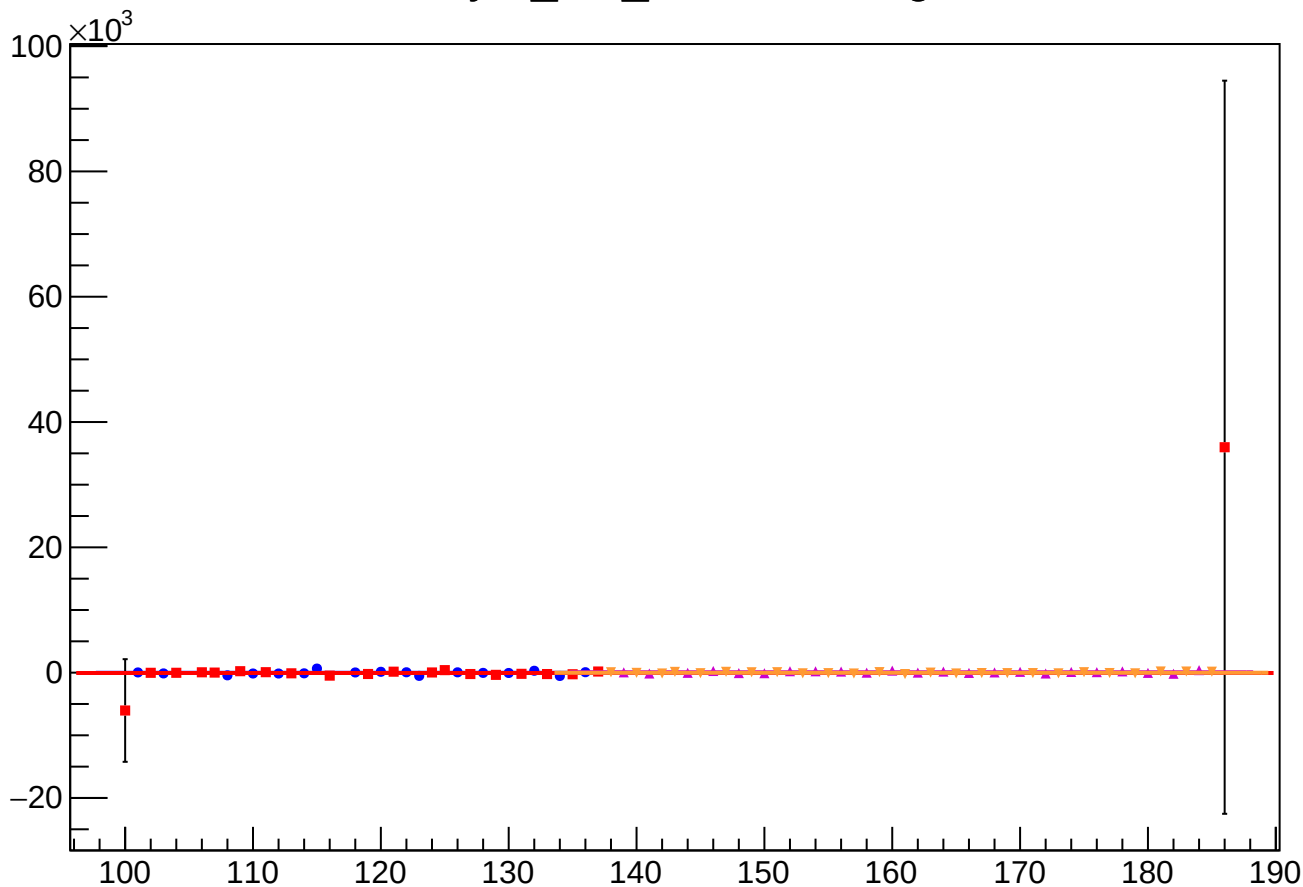
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF: 510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 1184633.9/41

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 2823015.9/84

- sign 2.152 $\pm$ 0.000 χ^2 /NDF: 1636154.0/42

asym_dsr_mean vs Slug



Right In: -25.059 ± 46.854 χ^2/NDF : 14.5/16

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

Right Out: -54.262 ± 47.789 χ^2/NDF : 16.5/19

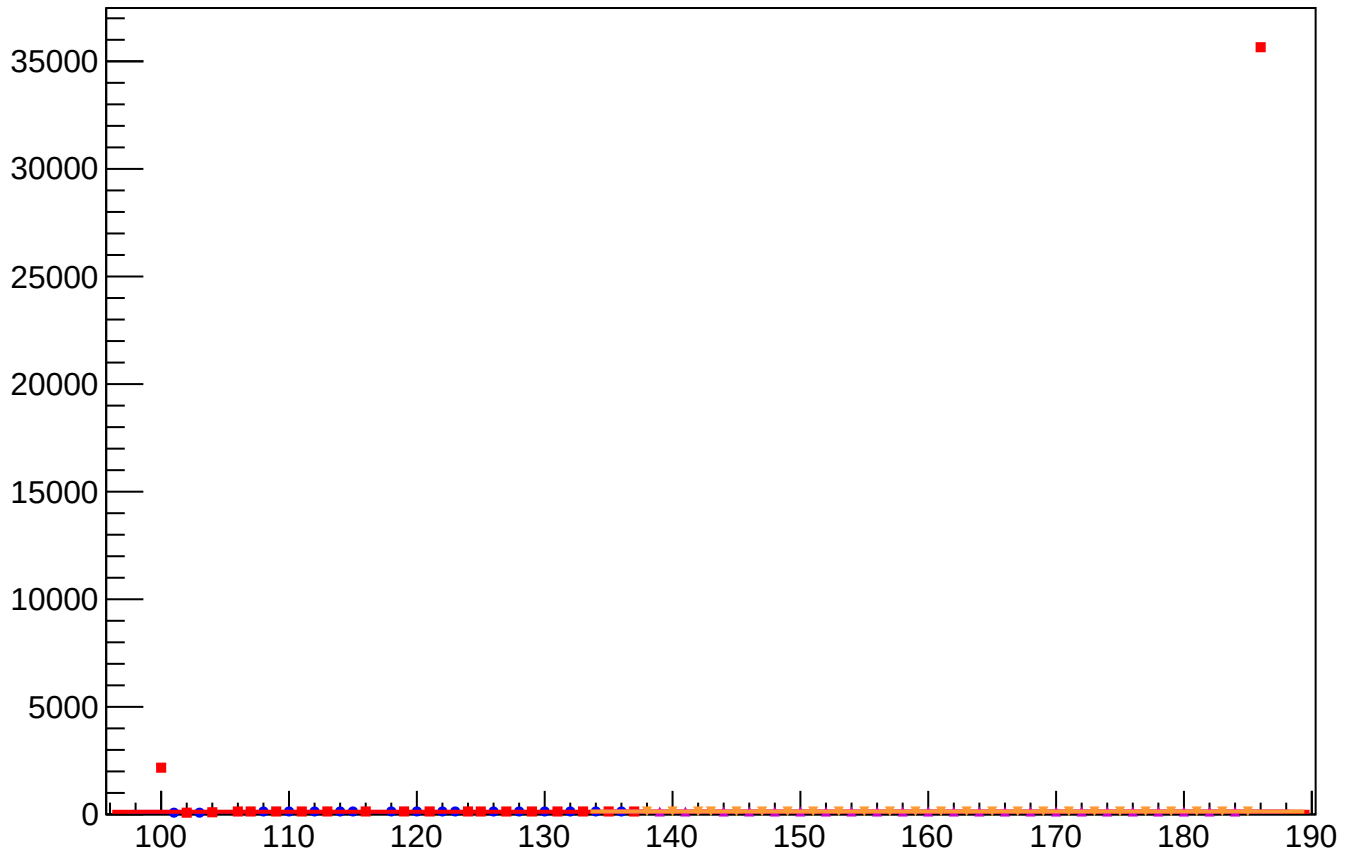
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.109 ± 26.465 χ^2/NDF : 26.3/41

All: 4.265 ± 18.944 χ^2/NDF : 67.7/84

- sign 26.724 ± 27.129 χ^2/NDF : 40.0/42

asym_dsr_rms vs Slug



Right In: 117.793 $\pm$ 0.033 χ^2 /NDF: 665675.4/16

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

Right Out: 124.737 $\pm$ 0.034 χ^2 /NDF: 1317510.2/19

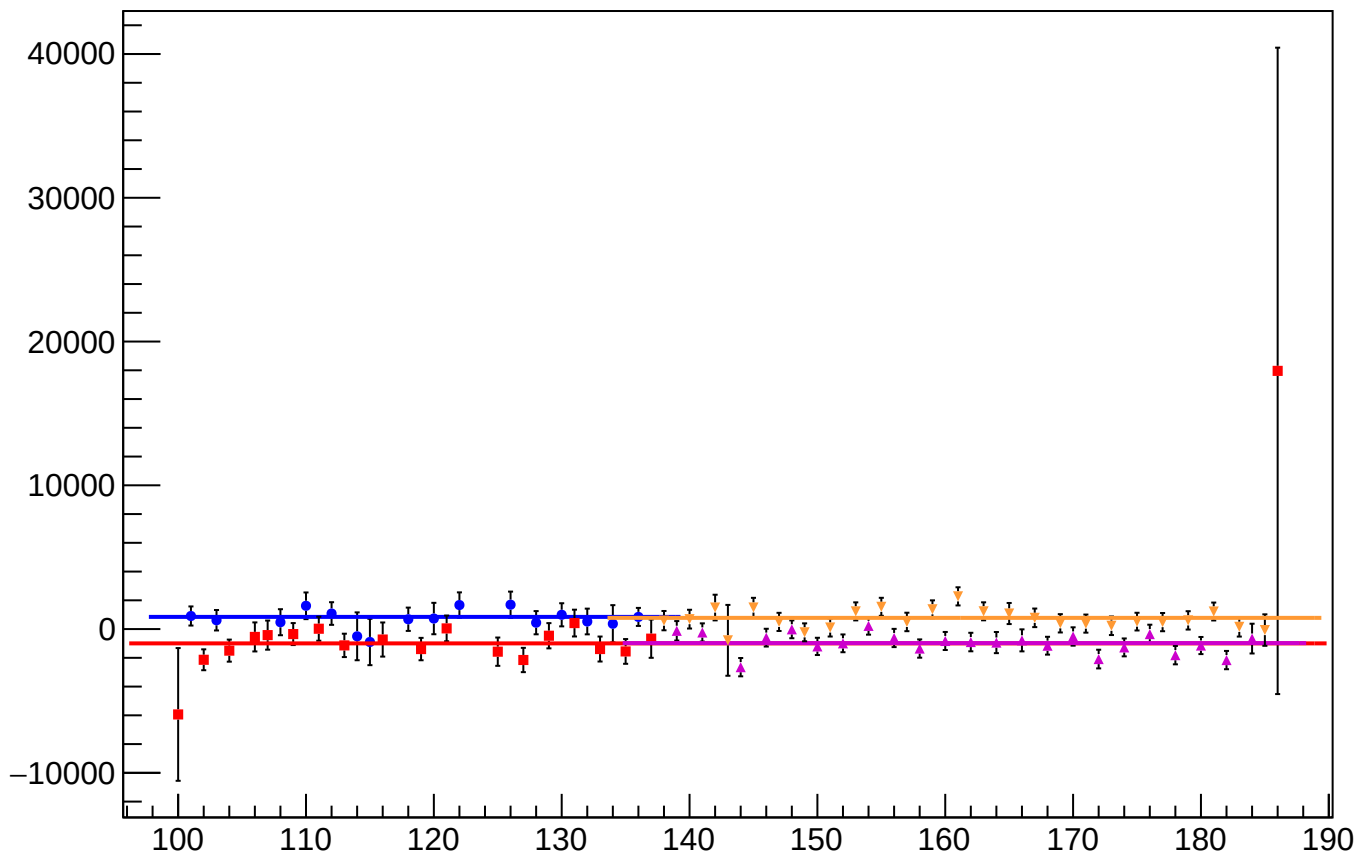
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF: 457.2/22

+ sign 131.482 $\pm$ 0.019 χ^2 /NDF: 916797.2/41

All: 132.524 $\pm$ 0.013 χ^2 /NDF: 2343085.3/84

- sign 133.620 $\pm$ 0.019 χ^2 /NDF: 1419922.9/42

reg_asym_left_avg_mean vs Slug



Right In: 847.032 ± 216.666 χ^2/NDF : 5.2/15

Left Out: 779.744 ± 133.856 χ^2/NDF : 19.6/24

Right Out: -995.406 ± 213.254 χ^2/NDF : 14.7/18

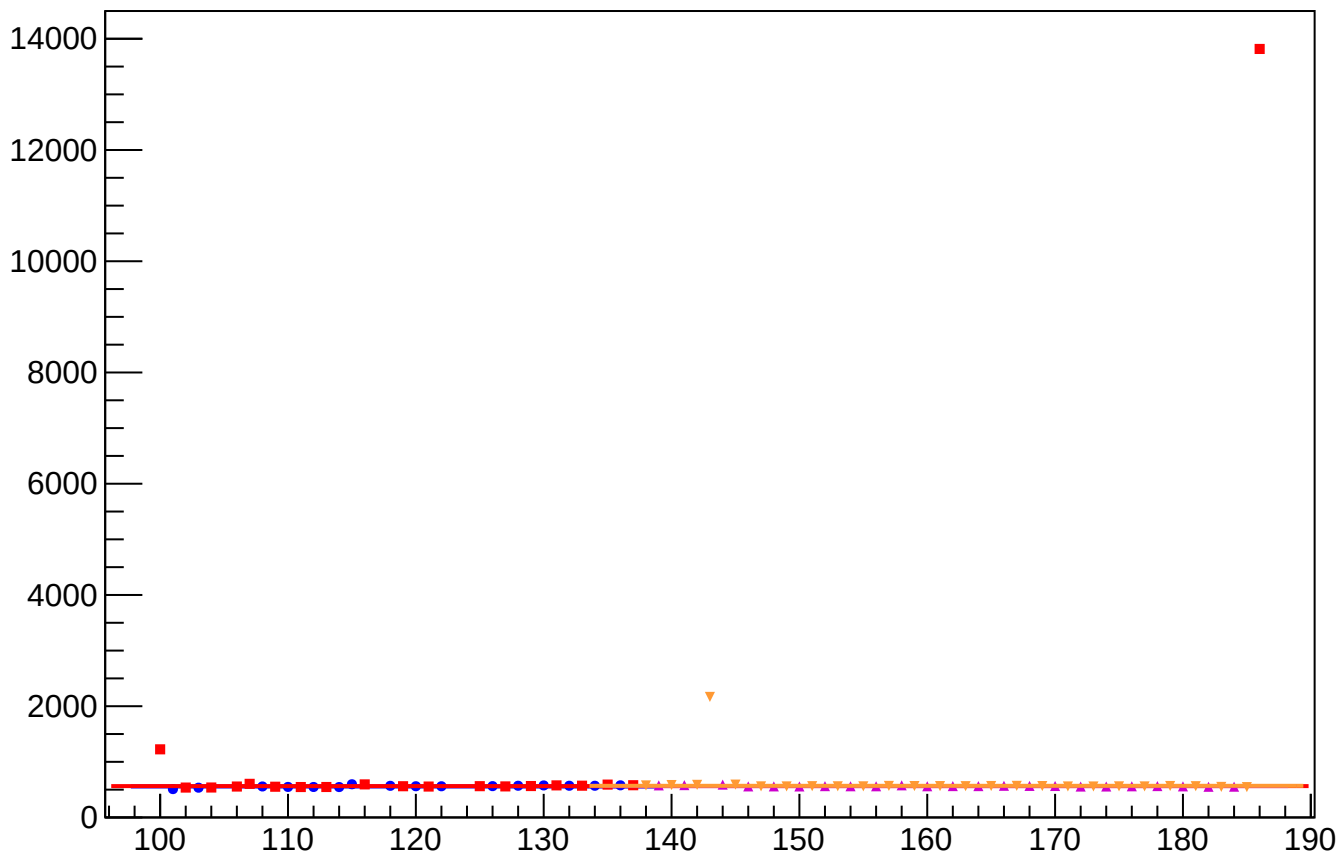
Left In: -974.402 ± 134.932 χ^2/NDF : 27.4/22

+ sign 798.332 ± 113.877 χ^2/NDF : 24.9/40

All: -89.886 ± 80.575 χ^2/NDF : 188.9/82

- sign -980.407 ± 114.024 χ^2/NDF : 42.2/41

reg_asym_left_avg_rms vs Slug



Right In: 556.871 $\pm$ 0.153 χ^2 /NDF: 18555.7/15

Left Out: 568.874 $\pm$ 0.095 χ^2 /NDF: 853714.5/24

Right Out: 563.652 $\pm$ 0.151 χ^2 /NDF: 750650.0/18

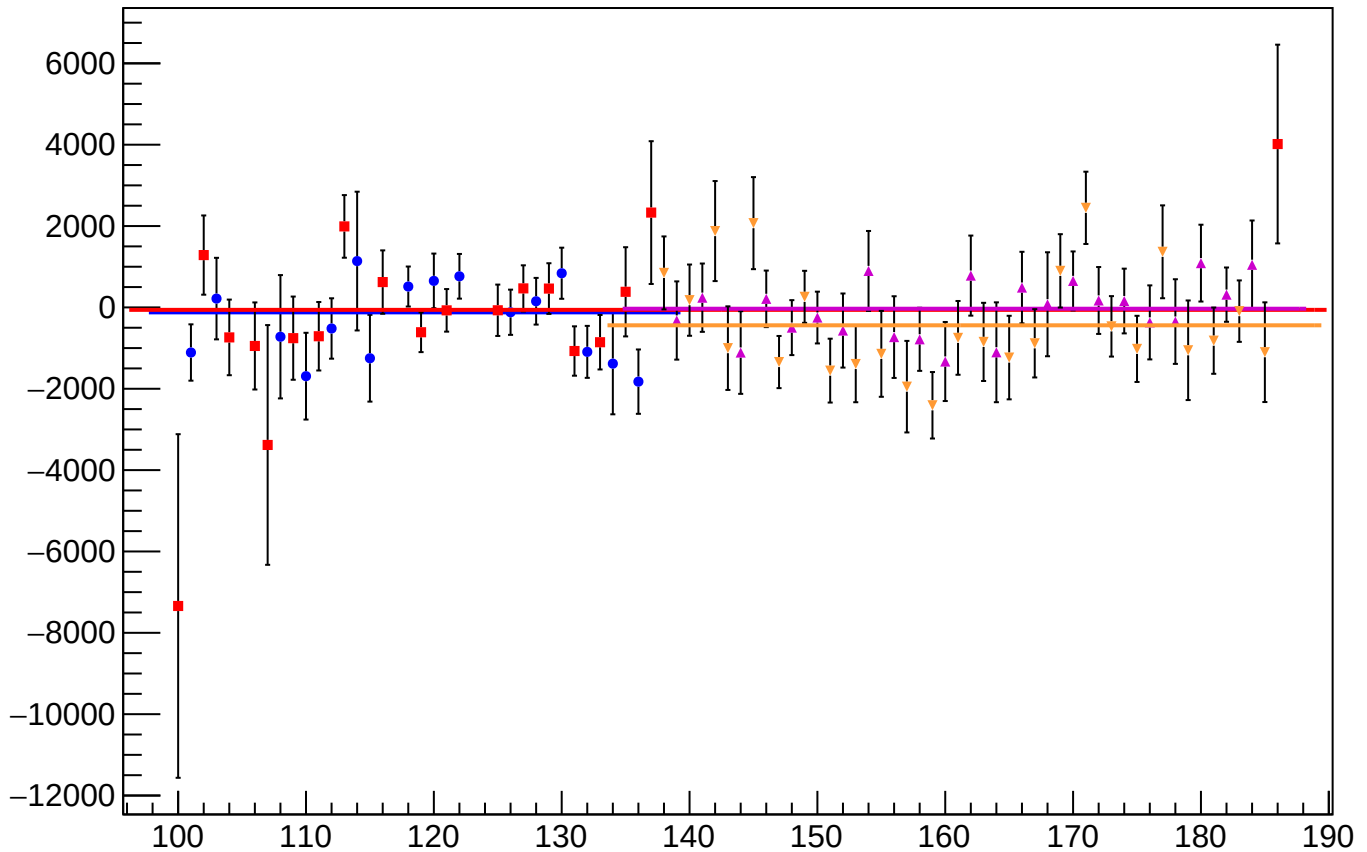
Left In: 564.383 $\pm$ 0.095 χ^2 /NDF: 9209.5/22

+ sign 565.559 $\pm$ 0.081 χ^2 /NDF: 876712.7/40

All: 564.867 $\pm$ 0.057 χ^2 /NDF: 1636736.7/82

- sign 564.174 $\pm$ 0.081 χ^2 /NDF: 759876.3/41

asym_left_avg_correction_mean vs Slug



Right In: -121.777 ± 180.788 χ^2/NDF : 22.6/15

Left Out: -440.022 ± 177.884 χ^2/NDF : 43.5/24

Right Out: -60.305 ± 178.849 χ^2/NDF : 28.1/18

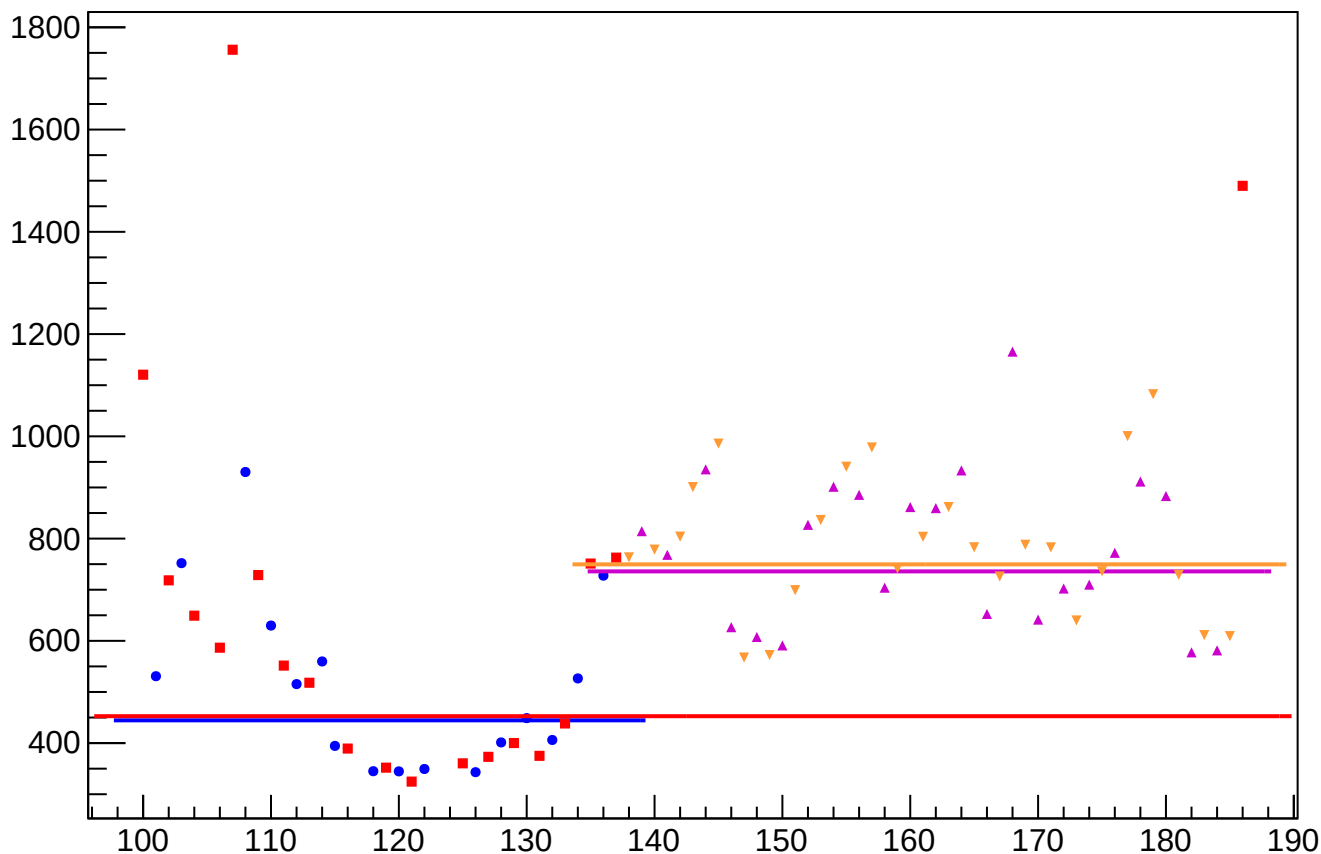
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -283.476 ± 126.797 χ^2/NDF : 67.6/40

All: -164.821 ± 89.614 χ^2/NDF : 109.7/82

- sign -46.403 ± 126.670 χ^2/NDF : 40.3/41

asym_left_avg_correction_rms vs Slug



Right In: 444.510 ± 0.128 χ^2/NDF : 1052706.5/15

Left Out: 749.578 ± 0.126 χ^2/NDF : 1053455.5/24

Right Out: 452.633 ± 0.126 χ^2/NDF : 1817518.2/18

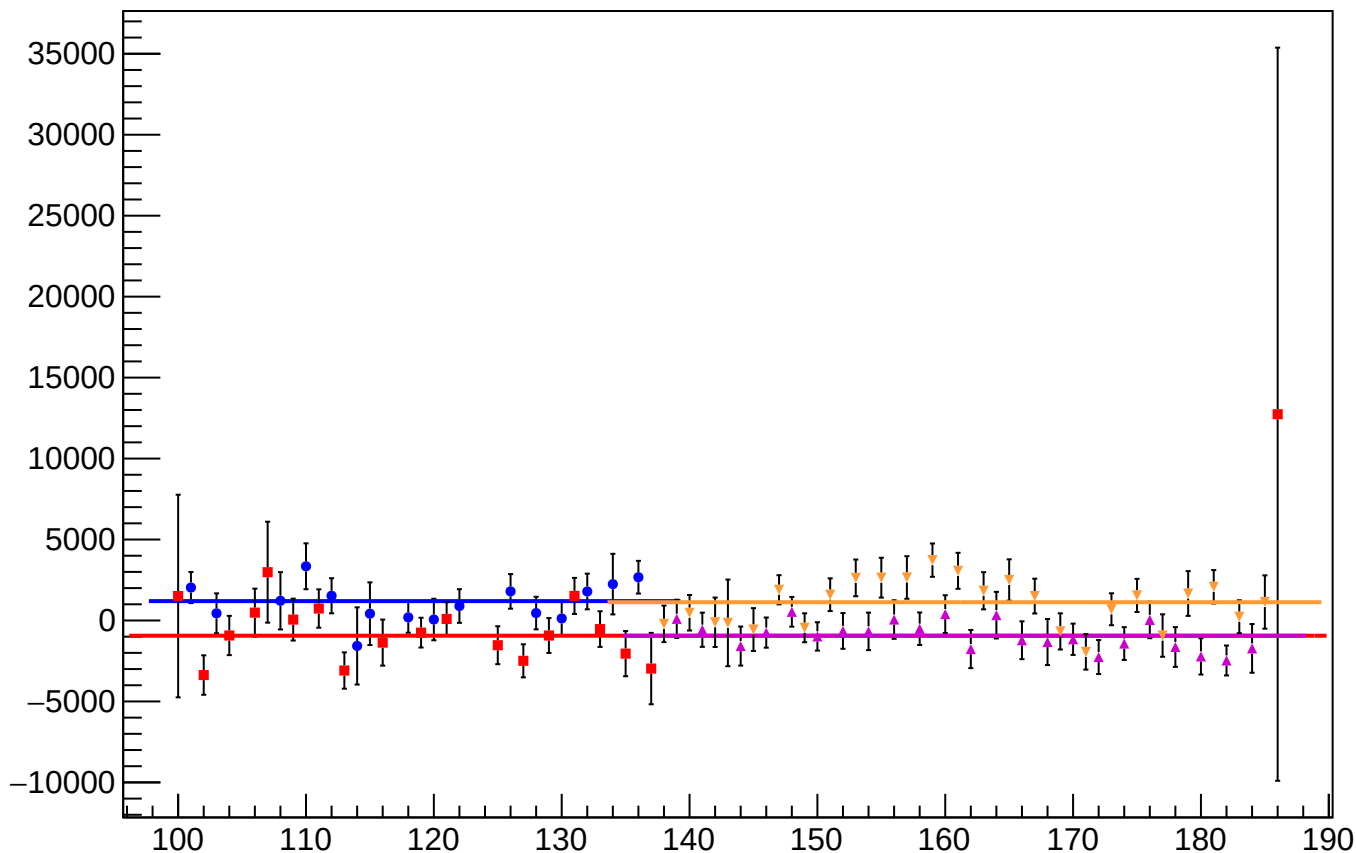
Left In: 735.850 ± 0.127 χ^2/NDF : 1105405.5/22

+ sign 599.514 ± 0.090 χ^2/NDF : 4999709.7/40

All: 596.645 ± 0.063 χ^2/NDF : 10424183.6/82

- sign 593.782 ± 0.090 χ^2/NDF : 5422428.2/41

asym_left_avg_mean vs Slug



Right In: 1196.174+/-296.098 χ^2/NDF : 11.7/15

Left Out: 1128.601+/-228.001 χ^2/NDF : 39.1/24

Right Out: -940.472+/-294.196 χ^2/NDF : 23.5/18

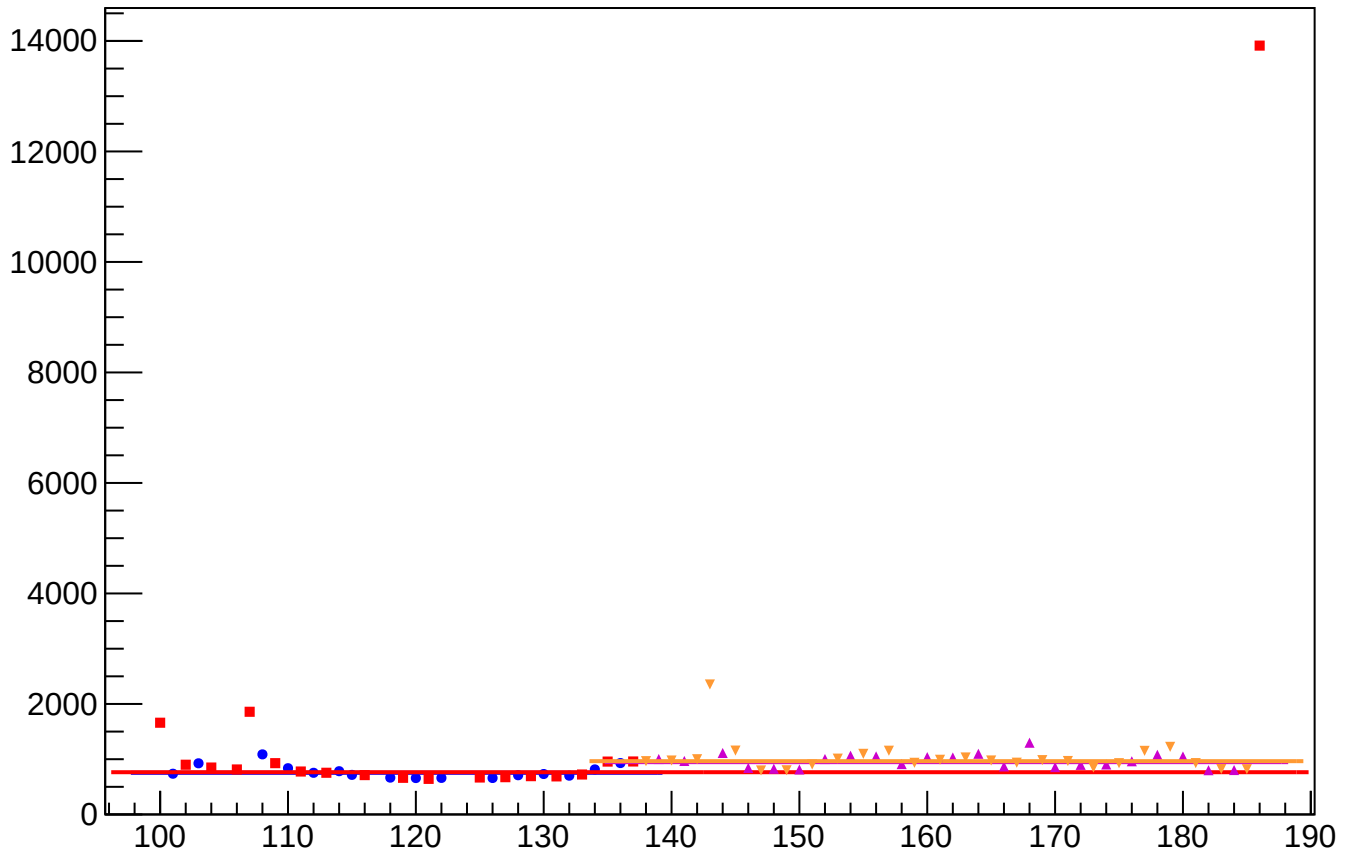
Left In: -941.702+/-228.324 χ^2/NDF : 14.8/22

+ sign 1153.754+/-180.650 χ^2/NDF : 50.9/40

All: 104.660+/-127.642 χ^2/NDF : 156.5/82

- sign -941.239+/-180.375 χ^2/NDF : 38.2/41

asym_left_avg_rms vs Slug



Right In: 753.808 $\pm$ 0.209 χ^2 /NDF: 250129.9/15

Left Out: 964.493 $\pm$ 0.161 χ^2 /NDF: 1002763.0/24

Right Out: 764.538 $\pm$ 0.208 χ^2 /NDF: 1188827.1/18

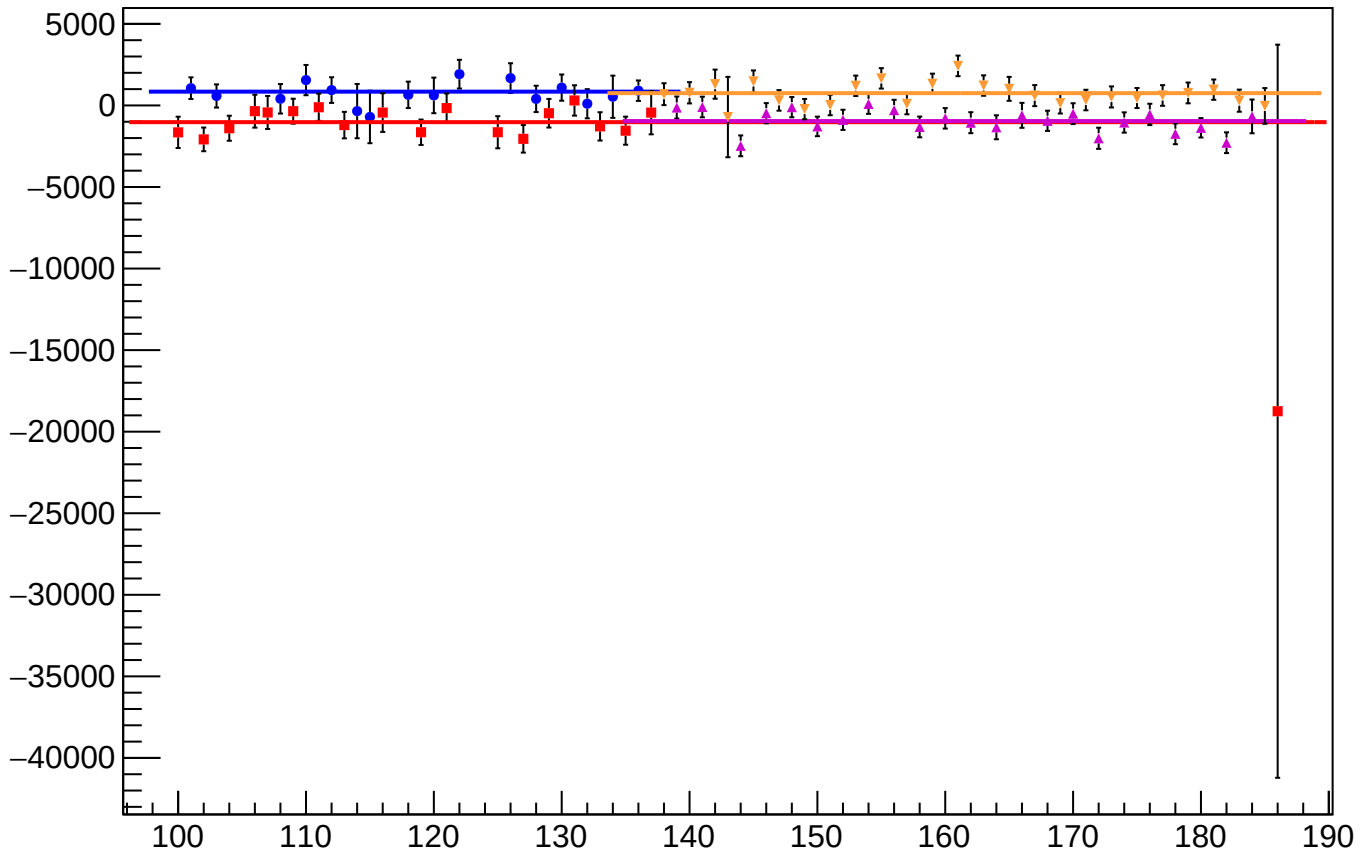
Left In: 946.573 $\pm$ 0.161 χ^2 /NDF: 501366.9/22

+ sign 886.070 $\pm$ 0.128 χ^2 /NDF: 1888557.6/40

All: 882.102 $\pm$ 0.090 χ^2 /NDF: 4058555.0/82

- sign 878.145 $\pm$ 0.128 χ^2 /NDF: 2168069.6/41

reg_asym_left_dd_mean vs Slug



Right In: 845.362 ± 216.498 χ^2/NDF : 6.1/15

Left Out: 753.308 ± 133.745 χ^2/NDF : 21.4/24

Right Out: -1024.573 ± 208.221 χ^2/NDF : 13.0/18

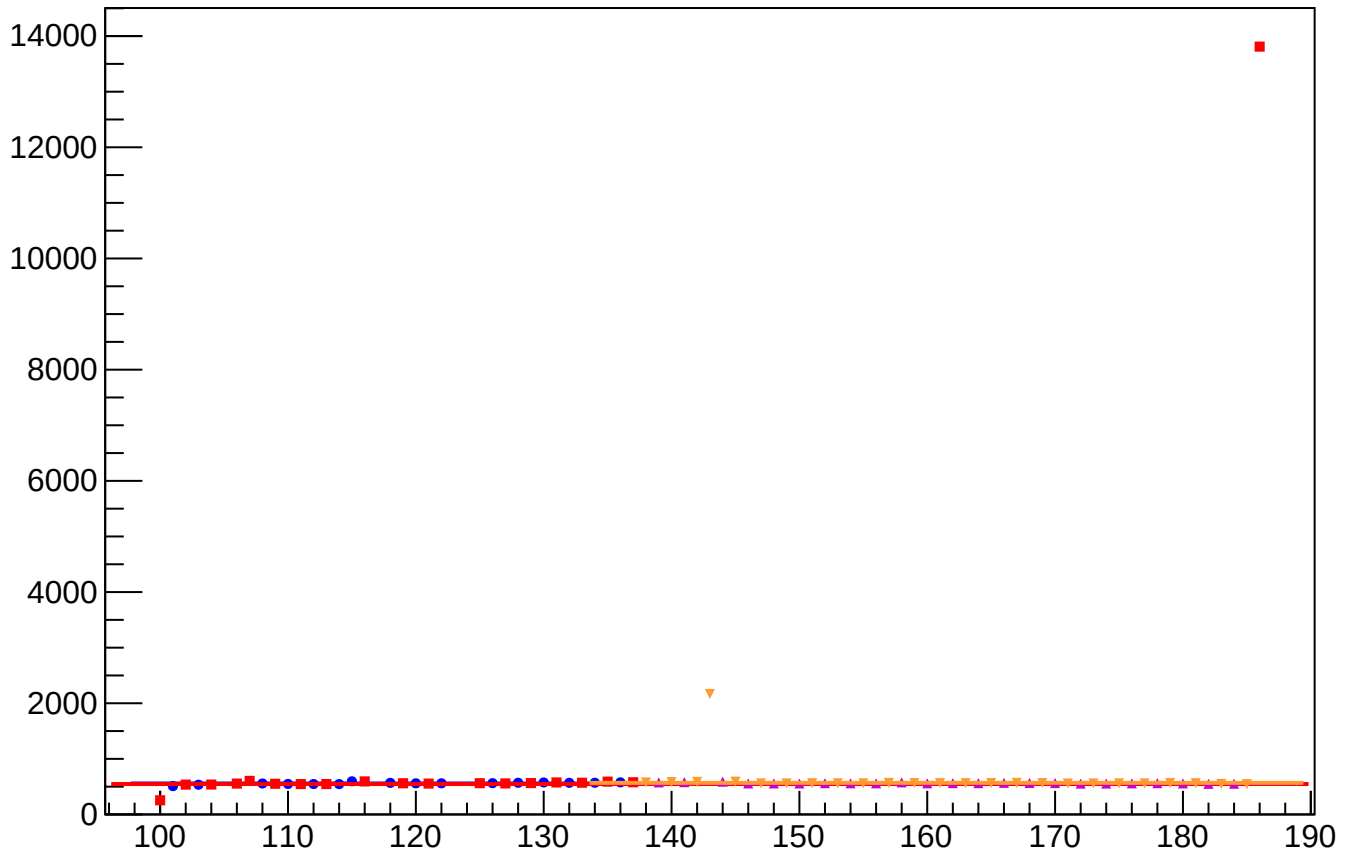
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 778.735 ± 113.784 χ^2/NDF : 27.6/40

All: -104.388 ± 80.240 χ^2/NDF : 187.3/82

- sign -978.030 ± 113.171 χ^2/NDF : 39.9/41

reg_asym_left_dd_rms vs Slug



Right In: 556.437 $\pm$ 0.153 χ^2 /NDF: 18580.5/15

Left Out: 568.400 $\pm$ 0.095 χ^2 /NDF: 854012.8/24

Right Out: 547.302 $\pm$ 0.147 χ^2 /NDF: 904898.2/18

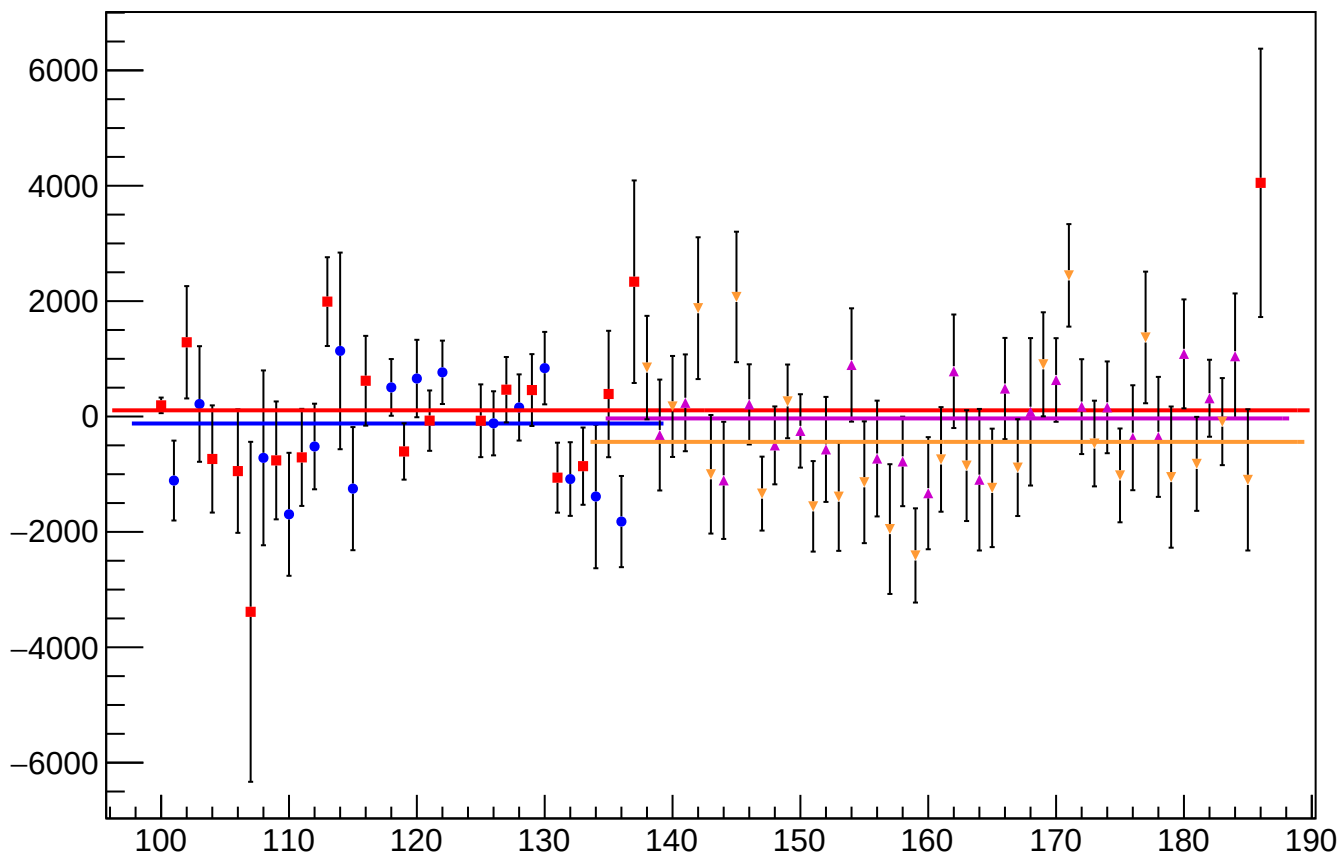
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

+ sign 565.096 $\pm$ 0.080 χ^2 /NDF: 877013.1/40

All: 562.042 $\pm$ 0.057 χ^2 /NDF: 1802972.8/82

- sign 559.021 $\pm$ 0.080 χ^2 /NDF: 923093.9/41

asym_left_dd_correction_mean vs Slug



Right In: -121.208+/-180.699 χ^2/NDF : 22.5/15

Left Out: -439.659+/-177.808 χ^2/NDF : 43.6/24

Right Out: 107.269+/-107.737 χ^2/NDF : 26.6/18

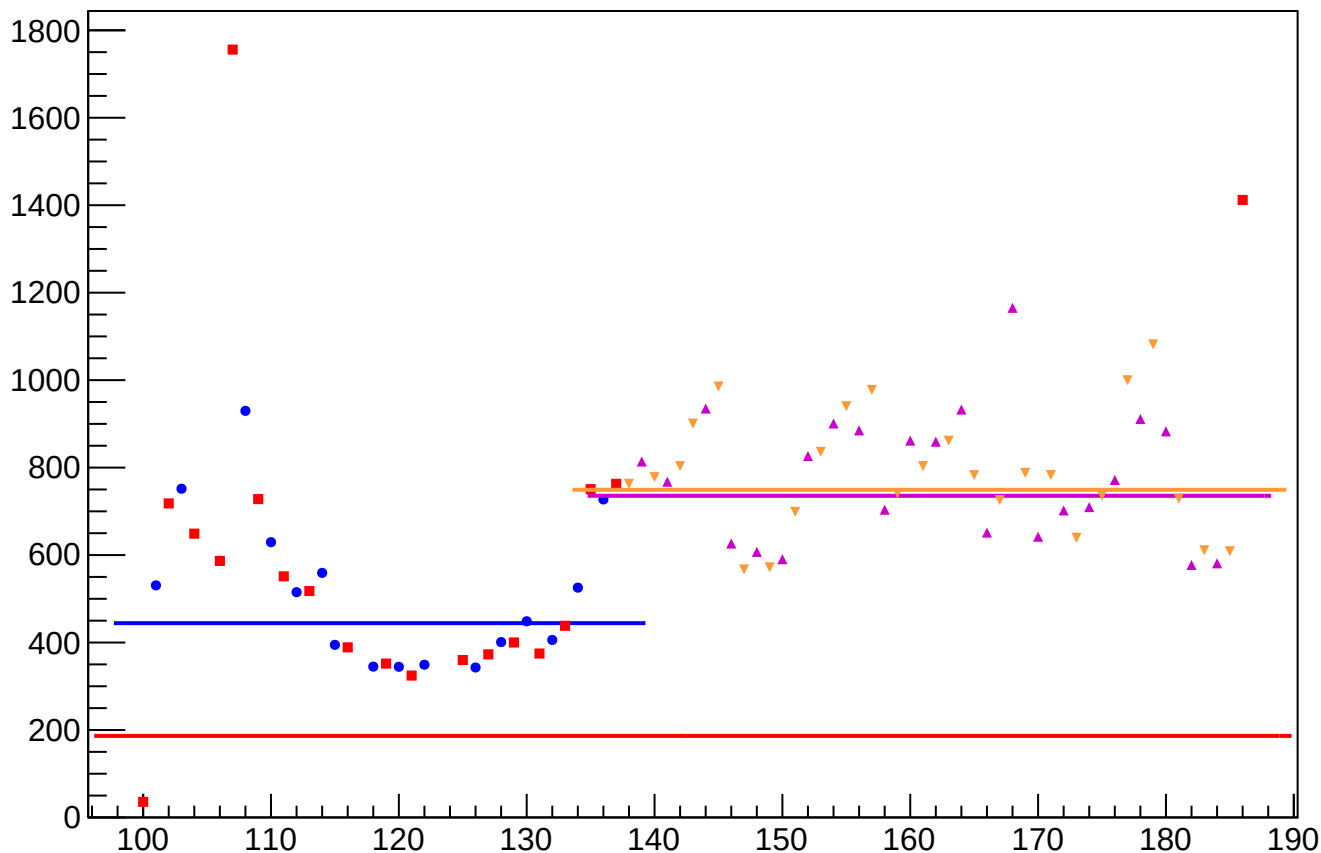
Left In: -33.325+/-179.355 χ^2/NDF : 12.1/22

+ sign -283.001+/-126.739 χ^2/NDF : 67.7/40

All: -52.440+/-74.640 χ^2/NDF : 111.9/82

- sign 69.990+/-92.355 χ^2/NDF : 39.1/41

asym_left_dd_correction_rms vs Slug



Right In: 444.298+/-0.128 χ^2/NDF : 1052547.8/15

Left Out: 749.270+/-0.126 χ^2/NDF :1054352.9/24

Right Out: 186.469+/-0.076 χ^2/NDF : 8628650.6/18

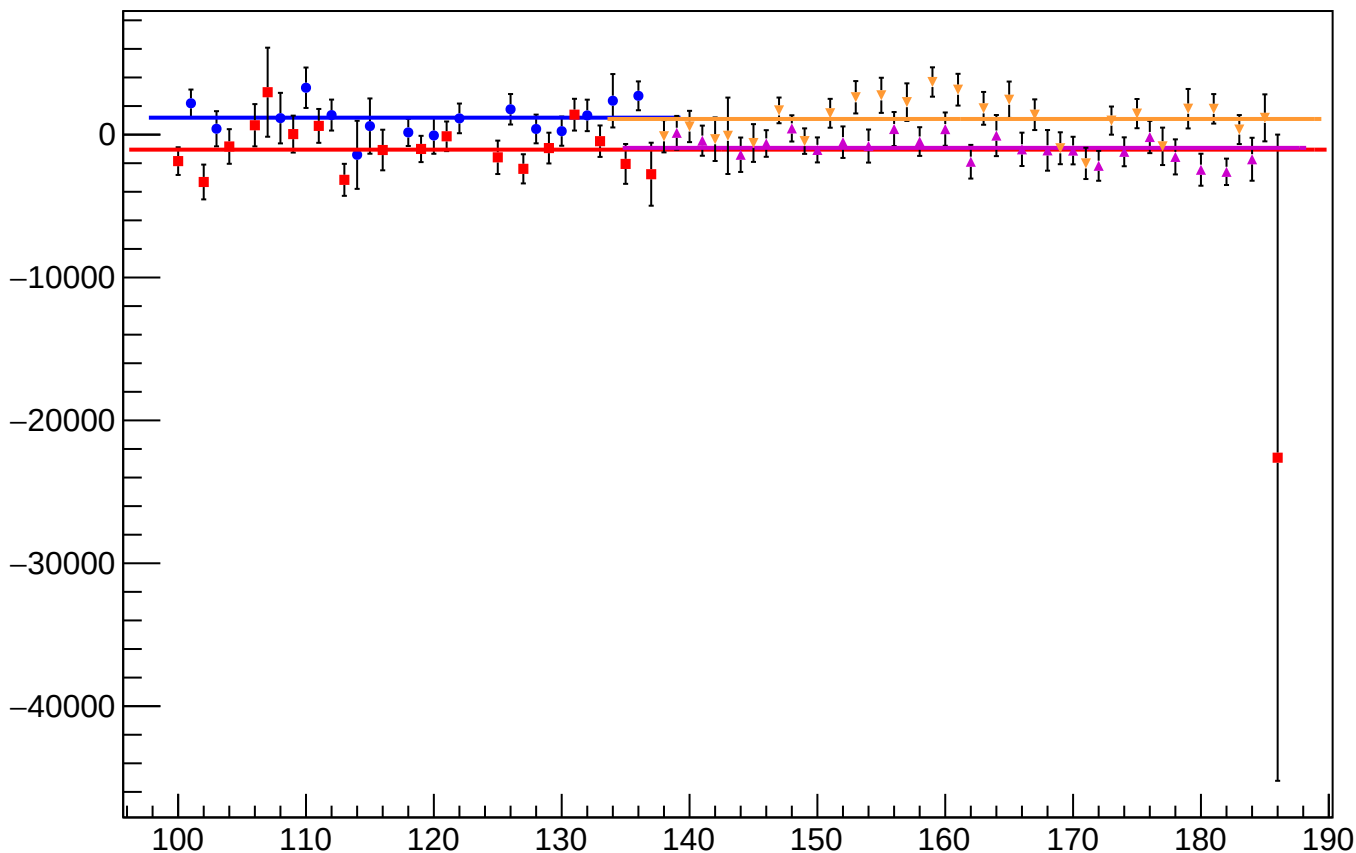
Left In: 735.543+/-0.127 χ^2/NDF :1105222.3/22

+ sign 599.243+/-0.090 χ^2/NDF : 5001268.8/40

All: 424.727+/-0.053 χ^2/NDF : 34314872.2/82

- sign 332.057+/-0.065 χ^2/NDF : 23507892.9/41

asym_left_dd_mean vs Slug



Right In: 1186.962 $\pm$ 295.897 χ^2 /NDF: 11.6/15

Left Out: 1096.531 $\pm$ 227.868 χ^2 /NDF: 38.4/24

Right Out: -1051.000 $\pm$ 281.615 χ^2 /NDF: 23.3/18

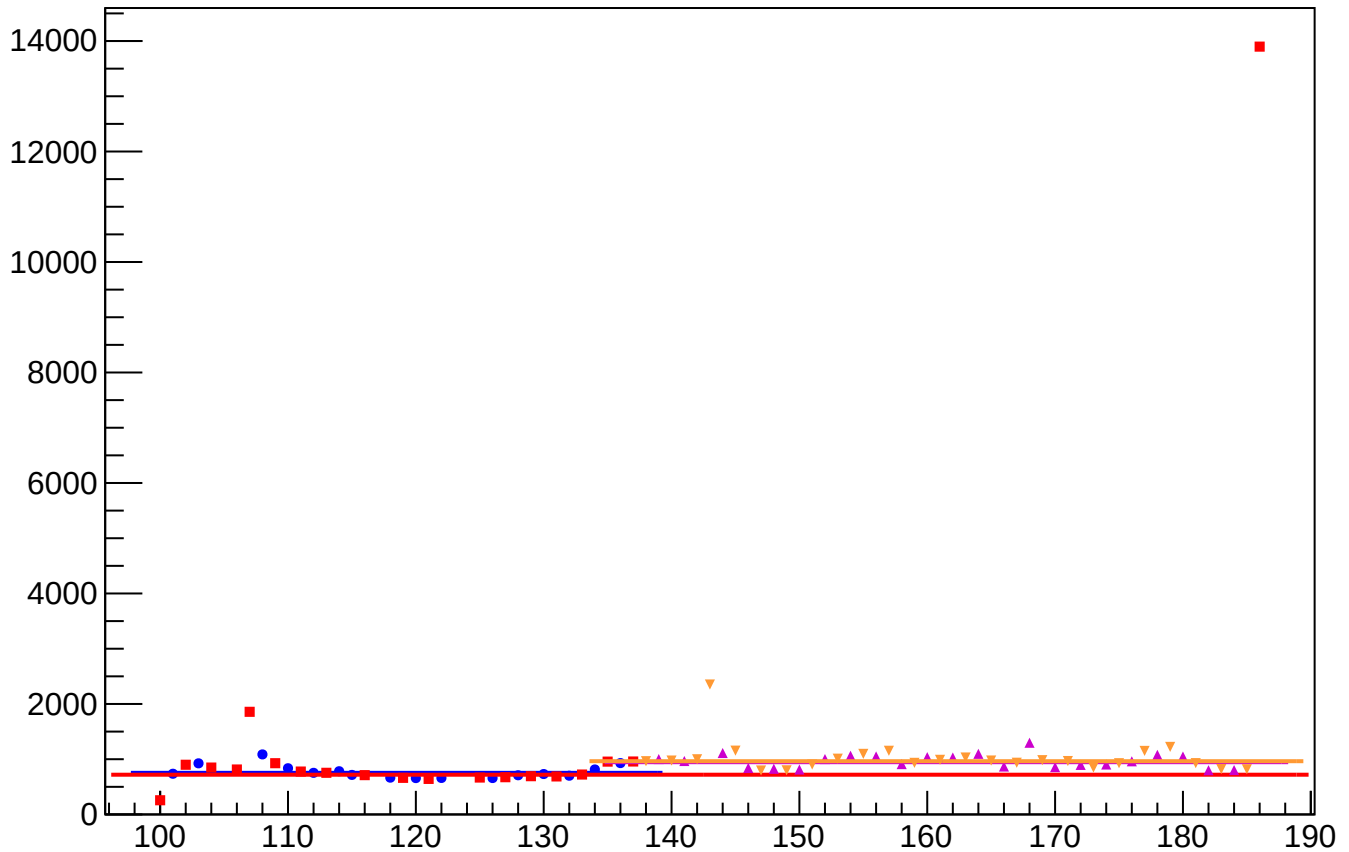
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1130.196 $\pm$ 180.539 χ^2 /NDF: 50.1/40

All: 58.159 $\pm$ 126.498 χ^2 /NDF: 158.0/82

- sign -975.714 $\pm$ 177.296 χ^2 /NDF: 38.6/41

asym_left_dd_rms vs Slug



Right In: 753.290 $\pm$ 0.209 χ^2 /NDF: 250330.3/15

Left Out: 963.933 $\pm$ 0.161 χ^2 /NDF: 1003095.2/24

Right Out: 719.371 $\pm$ 0.199 χ^2 /NDF: 1645155.3/18

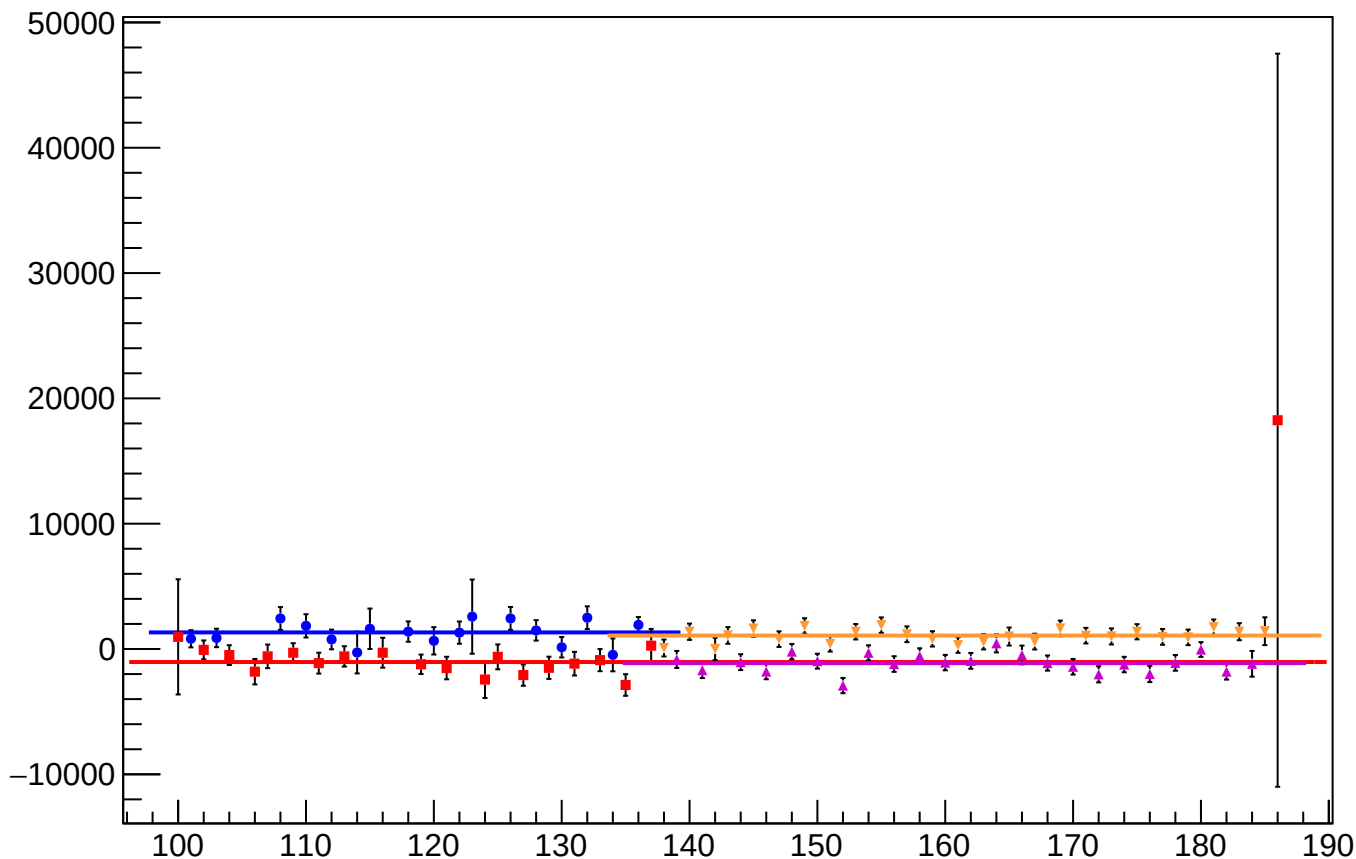
Left In: 946.041 $\pm$ 0.161 χ^2 /NDF: 501442.7/22

+ sign 885.517 $\pm$ 0.128 χ^2 /NDF: 1889655.2/40

All: 870.592 $\pm$ 0.089 χ^2 /NDF: 4845243.2/82

- sign 856.199 $\pm$ 0.125 χ^2 /NDF: 2928738.4/41

reg_asym_right_avg_mean vs Slug



Right In: 1324.051 ± 218.600 $\chi^2/\text{NDF}: 12.8/16$

Left Out: 1073.626 ± 129.690 $\chi^2/\text{NDF}: 15.1/24$

Right Out: -1039.487 ± 212.074 $\chi^2/\text{NDF}: 13.9/19$

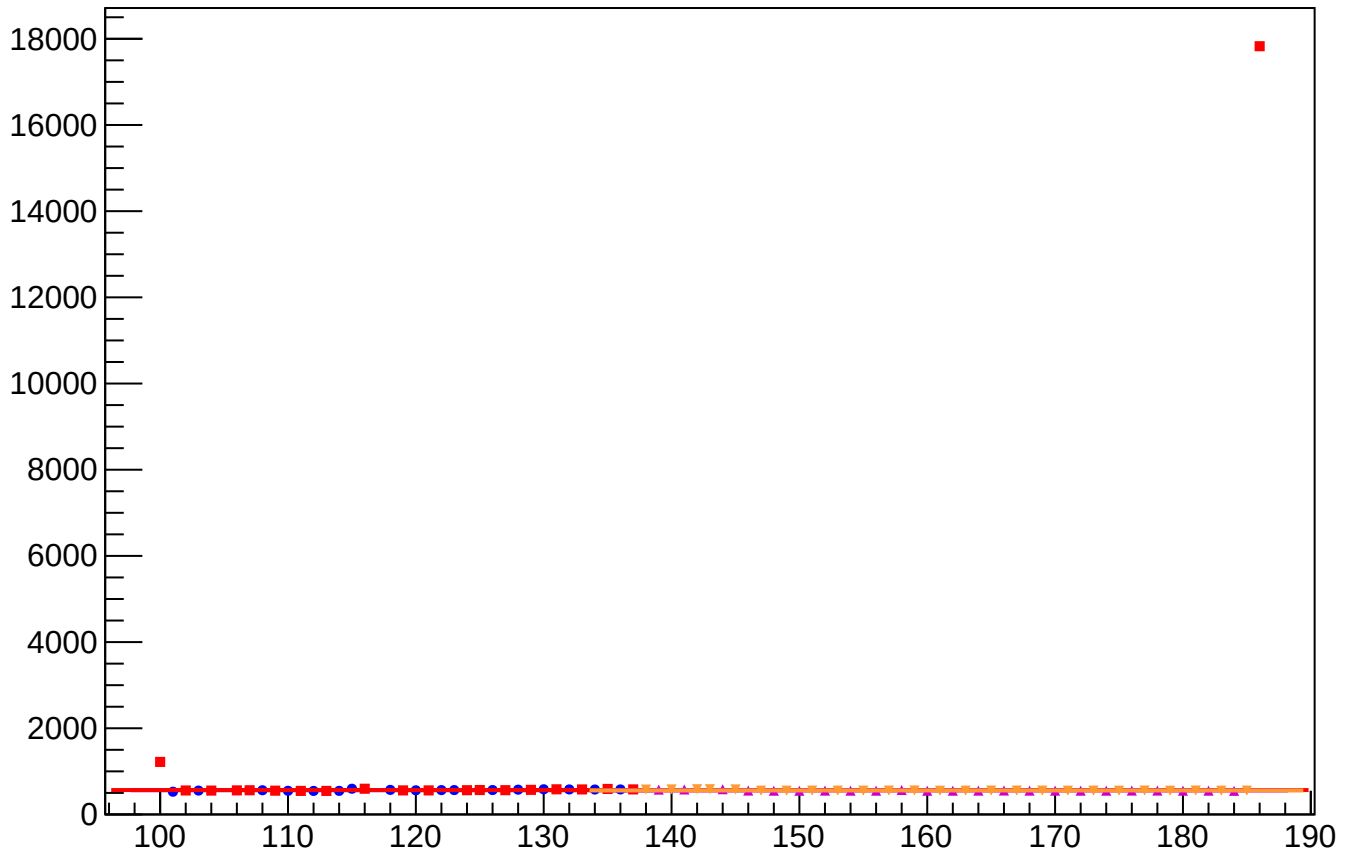
Left In: -1123.857 ± 133.163 $\chi^2/\text{NDF}: 30.0/22$

+ sign 1138.822 ± 111.538 $\chi^2/\text{NDF}: 28.9/41$

All: 31.756 ± 79.303 $\chi^2/\text{NDF}: 272.2/84$

- sign -1099.999 ± 112.774 $\chi^2/\text{NDF}: 44.1/42$

reg_asym_right_avg_rms vs Slug



Right In: 563.522 $\pm$ 0.155 χ^2 /NDF: 12614.9/16

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

Right Out: 566.235 $\pm$ 0.150 χ^2 /NDF: 745832.1/19

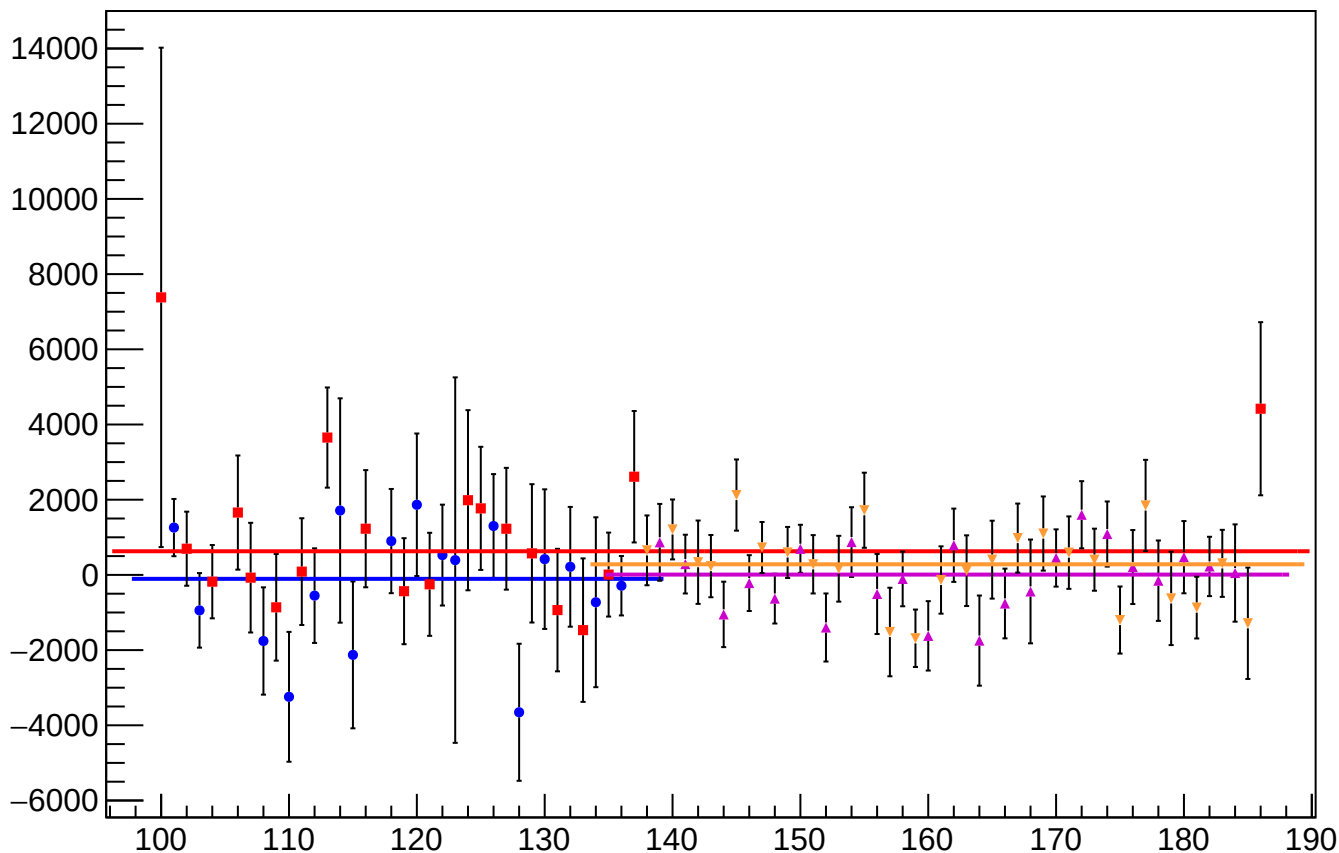
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 559.093 $\pm$ 0.079 χ^2 /NDF: 28477.6/41

All: 559.338 $\pm$ 0.056 χ^2 /NDF: 788277.1/84

- sign 559.589 $\pm$ 0.080 χ^2 /NDF: 759779.9/42

asym_right_avg_correction_mean vs Slug



Right In: -104.813 ± 328.267 χ^2/NDF : 17.0/16

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

Right Out: 628.939 ± 329.551 χ^2/NDF : 17.3/19

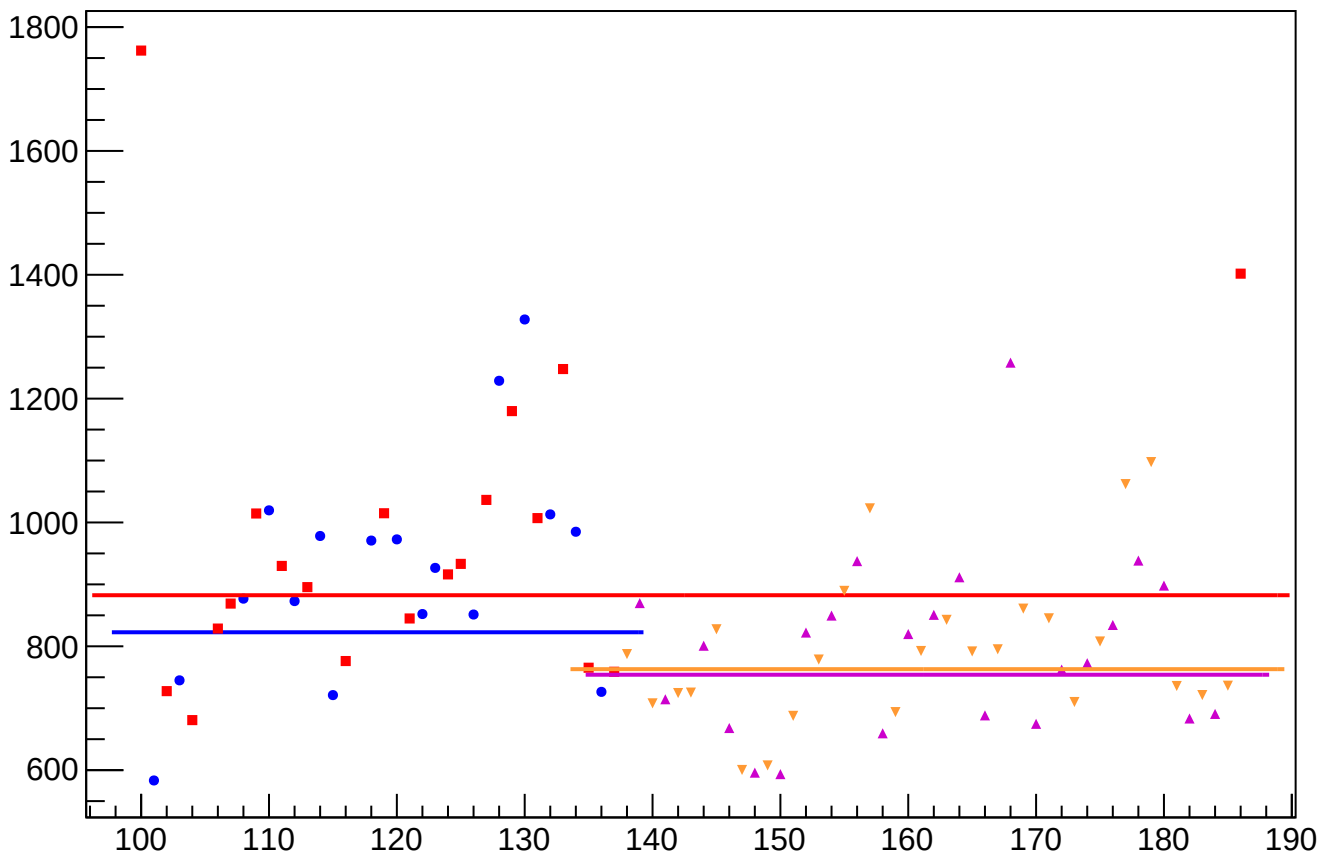
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 192.163 ± 158.115 χ^2/NDF : 44.8/41

All: 173.816 ± 112.549 χ^2/NDF : 85.1/84

- sign 154.973 ± 160.243 χ^2/NDF : 40.2/42

asym_right_avg_correction_rms vs Slug



Right In: 822.664 ± 0.232 χ^2/NDF : 606735.8/16

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

Right Out: 882.487 ± 0.233 χ^2/NDF : 512343.9/19

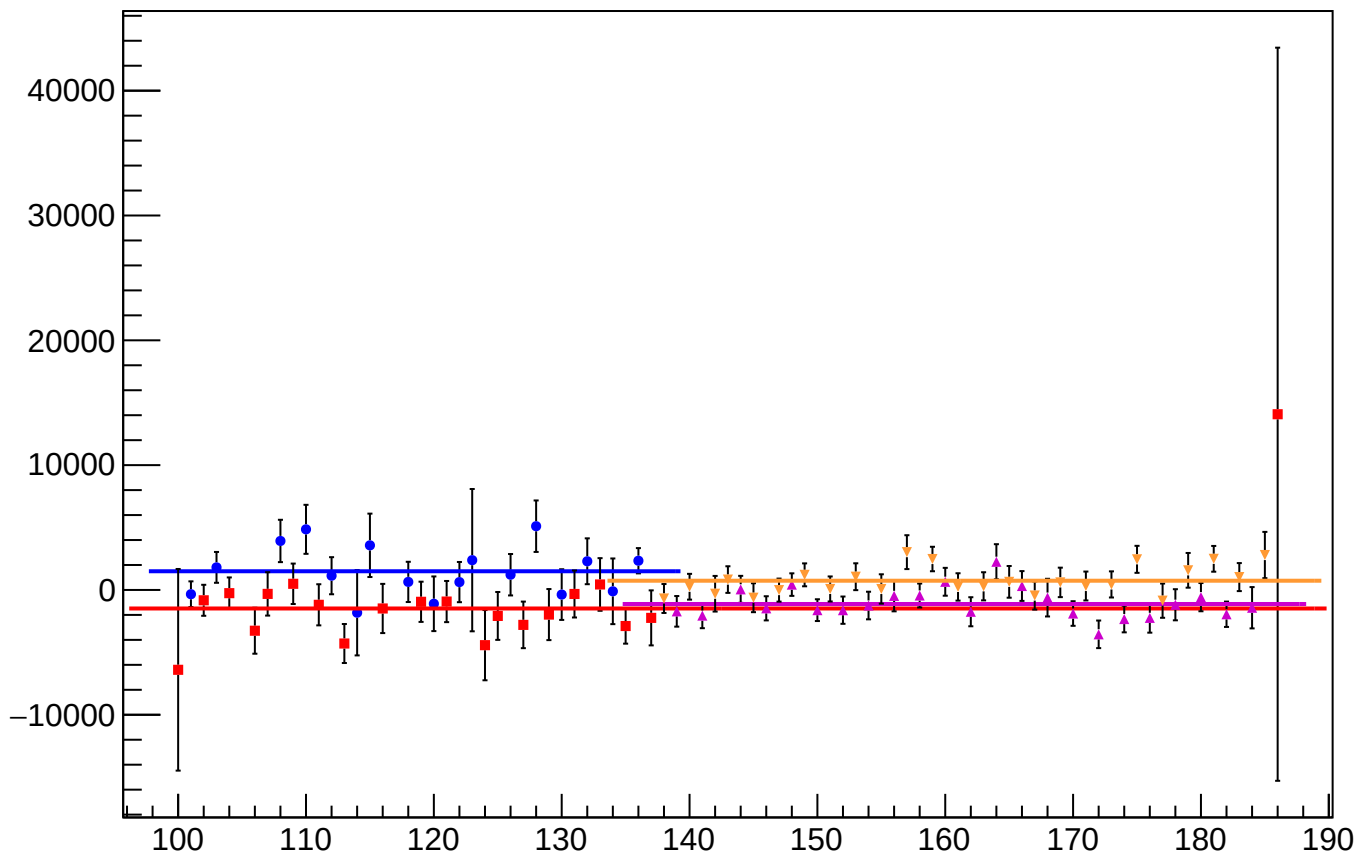
Left In: 754.099 ± 0.130 χ^2/NDF : 931829.3/22

+ sign 776.907 ± 0.112 χ^2/NDF : 1411033.5/41

All: 780.630 ± 0.080 χ^2/NDF : 3089237.5/84

- sign 784.454 ± 0.113 χ^2/NDF : 1675956.2/42

asym_right_avg_mean vs Slug



Right In: 1497.967 $\pm$ 402.667 χ^2 /NDF: 17.1/16

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

Right Out: -1484.857 $\pm$ 400.681 χ^2 /NDF: 12.3/19

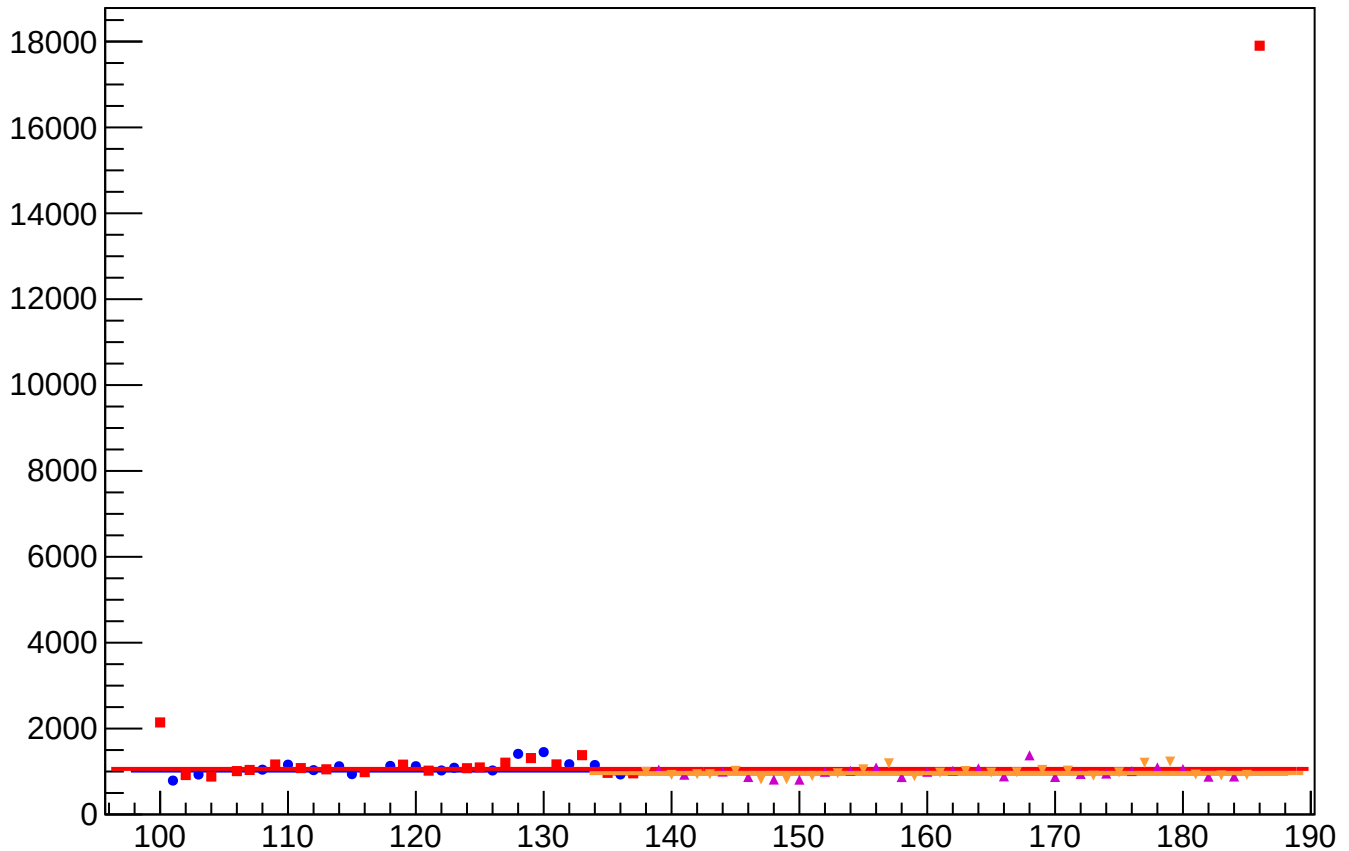
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 920.729 $\pm$ 196.772 χ^2 /NDF: 41.3/41

All: -131.817 $\pm$ 140.099 χ^2 /NDF: 137.6/84

- sign -1213.914 $\pm$ 199.515 χ^2 /NDF: 38.3/42

asym_right_avg_rms vs Slug



Right In: 1022.011 $\pm$ 0.285 χ^2 /NDF: 336507.1/16

Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF: 362937.6/24

Right Out: 1061.037 $\pm$ 0.283 χ^2 /NDF: 890384.5/19

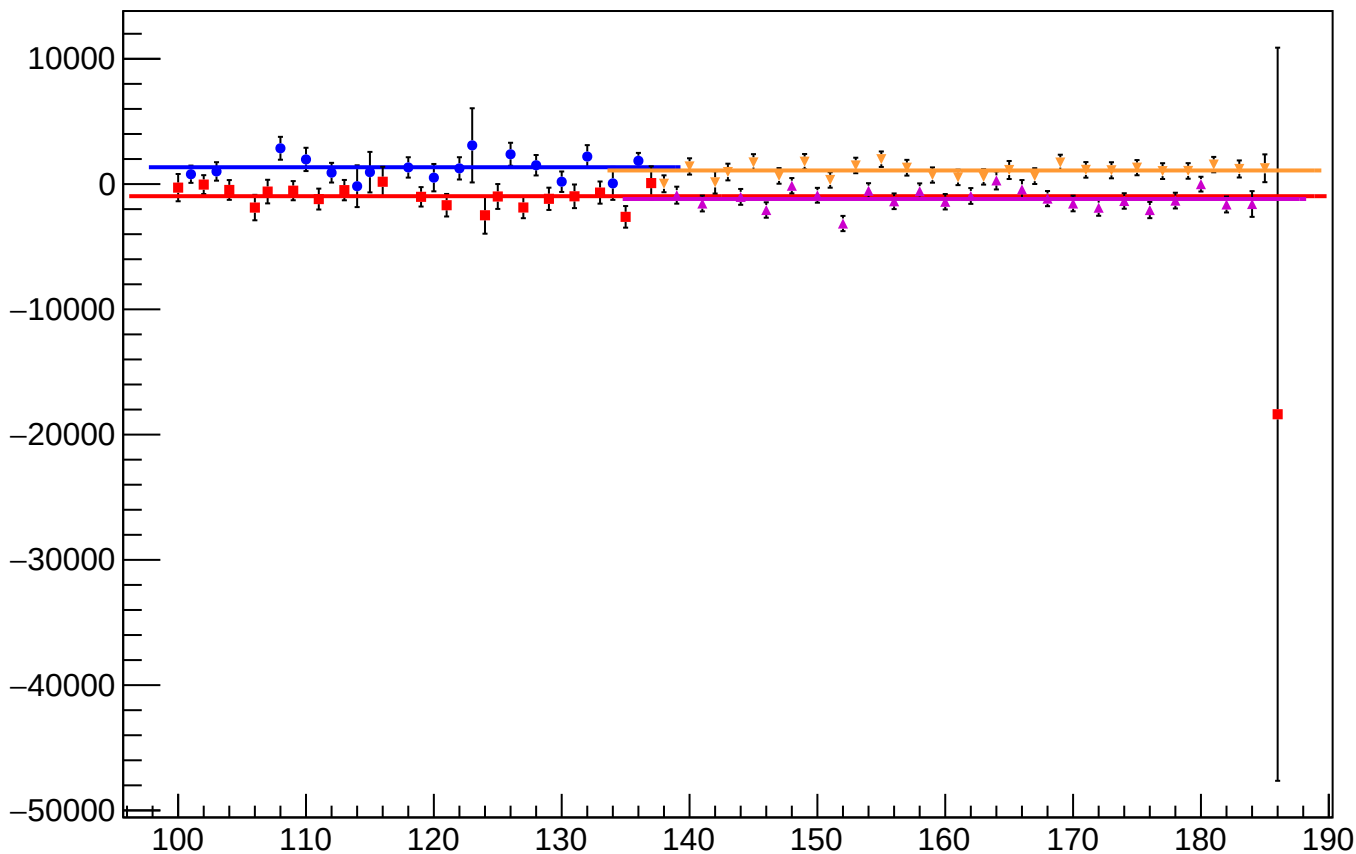
Left In: 954.643 $\pm$ 0.163 χ^2 /NDF: 443395.0/22

+ sign 976.525 $\pm$ 0.139 χ^2 /NDF: 732971.8/41

All: 978.743 $\pm$ 0.099 χ^2 /NDF: 2173316.5/84

- sign 981.023 $\pm$ 0.141 χ^2 /NDF: 1439829.6/42

reg_asym_right_dd_mean vs Slug



Right In: 1345.401 $\pm$ 218.855 χ^2 /NDF: 12.0/16

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

Right Out: -966.323 $\pm$ 208.609 χ^2 /NDF: 12.6/19

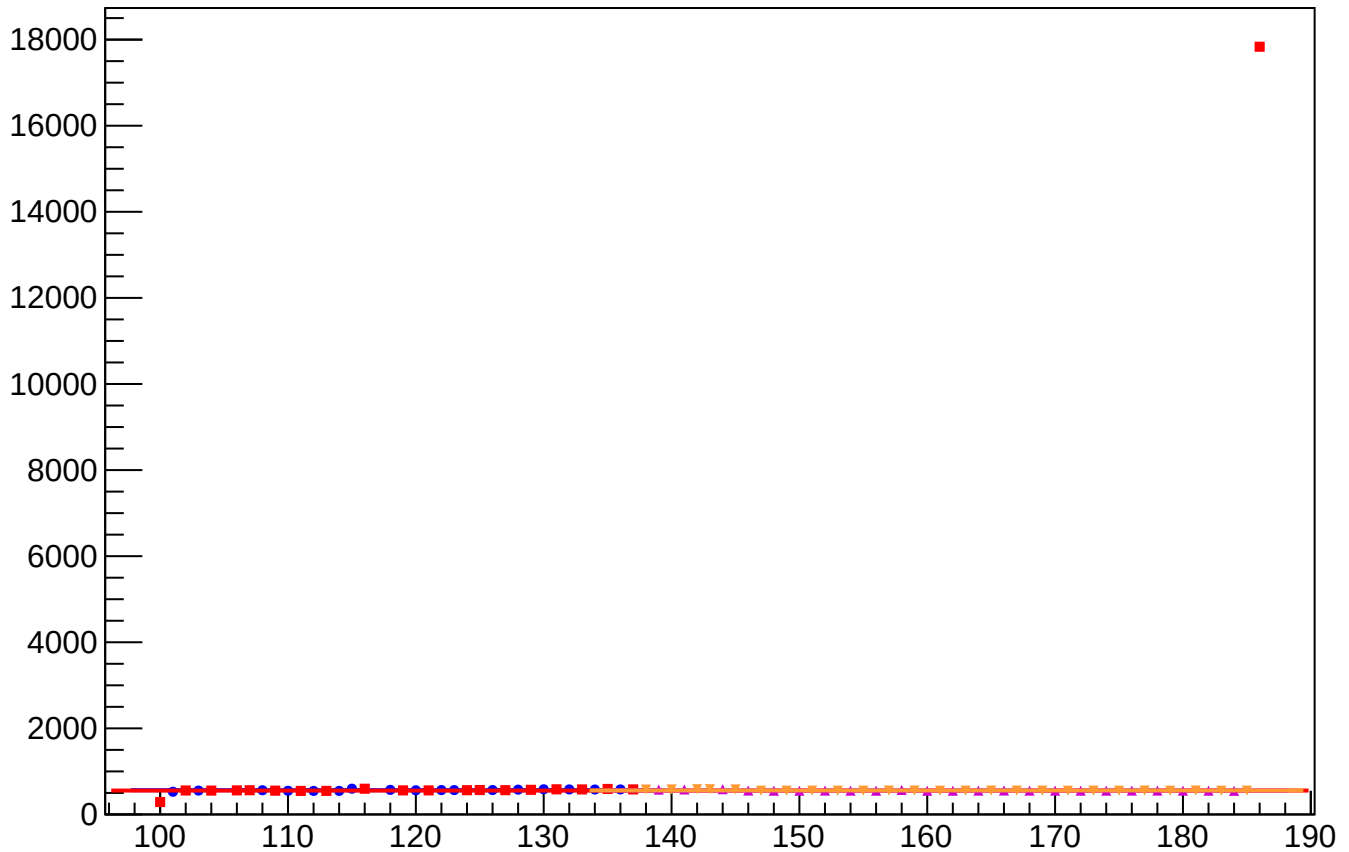
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF: 32.2/22

+ sign 1154.721 $\pm$ 111.655 χ^2 /NDF: 28.0/41

All: 21.883 $\pm$ 79.191 χ^2 /NDF: 280.6/84

- sign -1124.771 $\pm$ 112.334 χ^2 /NDF: 45.5/42

reg_asym_right_dd_rms vs Slug



Right In: 564.174 $\pm$ 0.155 χ^2 /NDF: 12759.8/16

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

Right Out: 555.341 $\pm$ 0.148 χ^2 /NDF: 829782.8/19

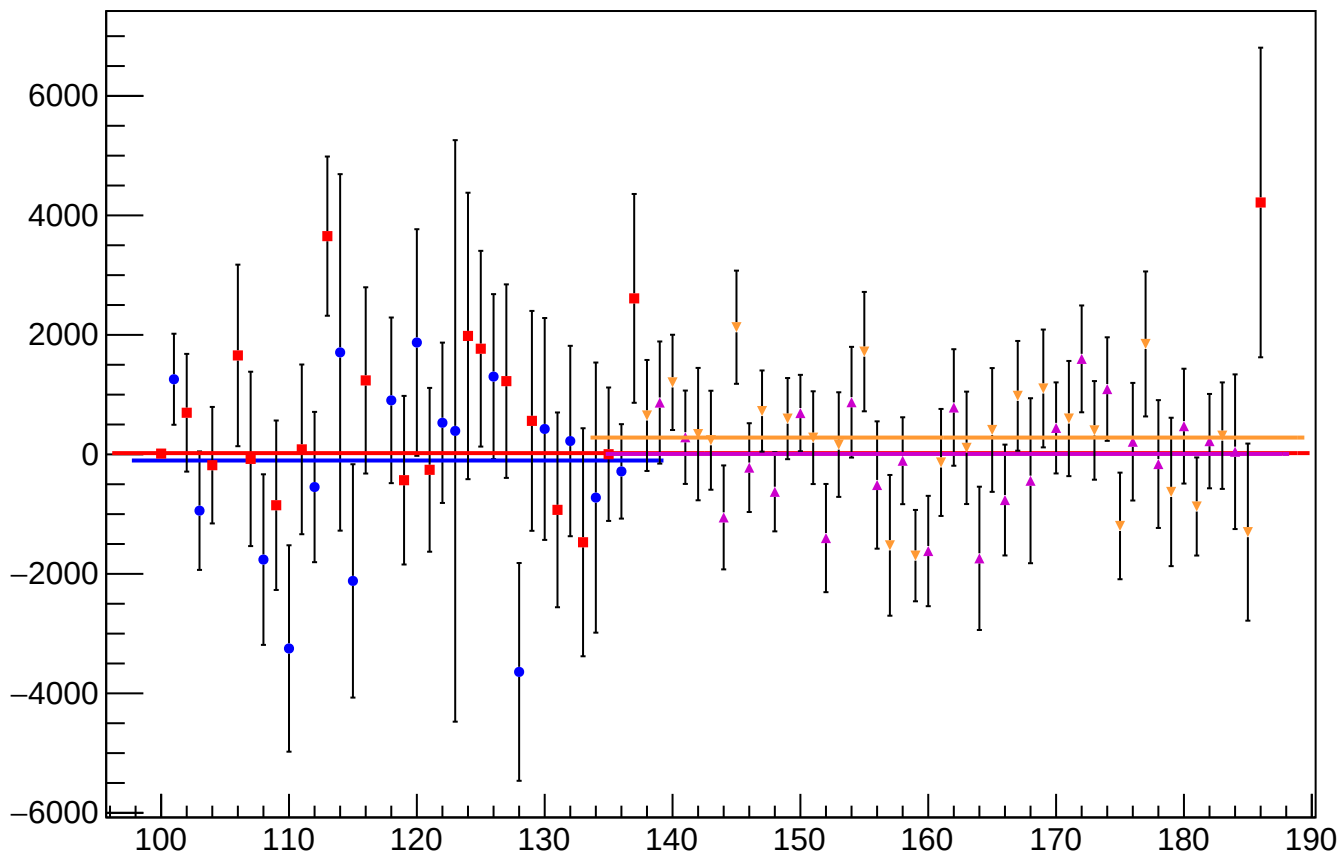
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF: 11276.8/22

+ sign 559.680 $\pm$ 0.079 χ^2 /NDF: 28685.1/41

All: 558.320 $\pm$ 0.056 χ^2 /NDF: 870508.5/84

- sign 556.942 $\pm$ 0.079 χ^2 /NDF: 841225.7/42

asym_right_dd_correction_mean vs Slug



Right In: -102.542 ± 328.366 χ^2/NDF : 17.0/16

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

Right Out: 21.028 ± 38.951 χ^2/NDF : 18.5/19

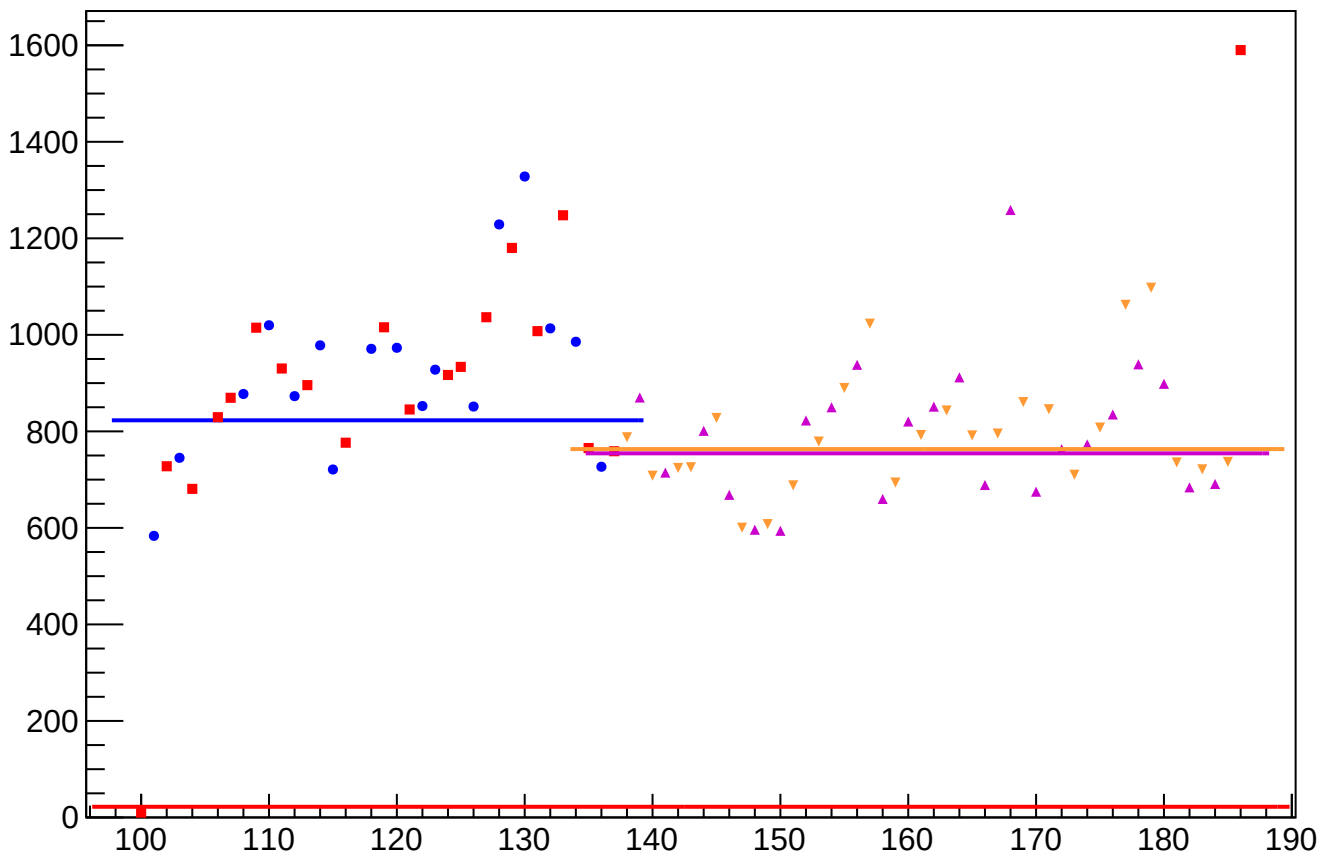
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 192.326 ± 158.163 χ^2/NDF : 44.9/41

All: 29.864 ± 37.042 χ^2/NDF : 84.6/84

- sign 20.436 ± 38.102 χ^2/NDF : 38.6/42

asym_right_dd_correction_rms vs Slug



Right In: 822.915 $\pm$ 0.232 χ^2 /NDF: 606659.4/16

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

Right Out: 22.125 $\pm$ 0.028 χ^2 /NDF: 14210647.0/19

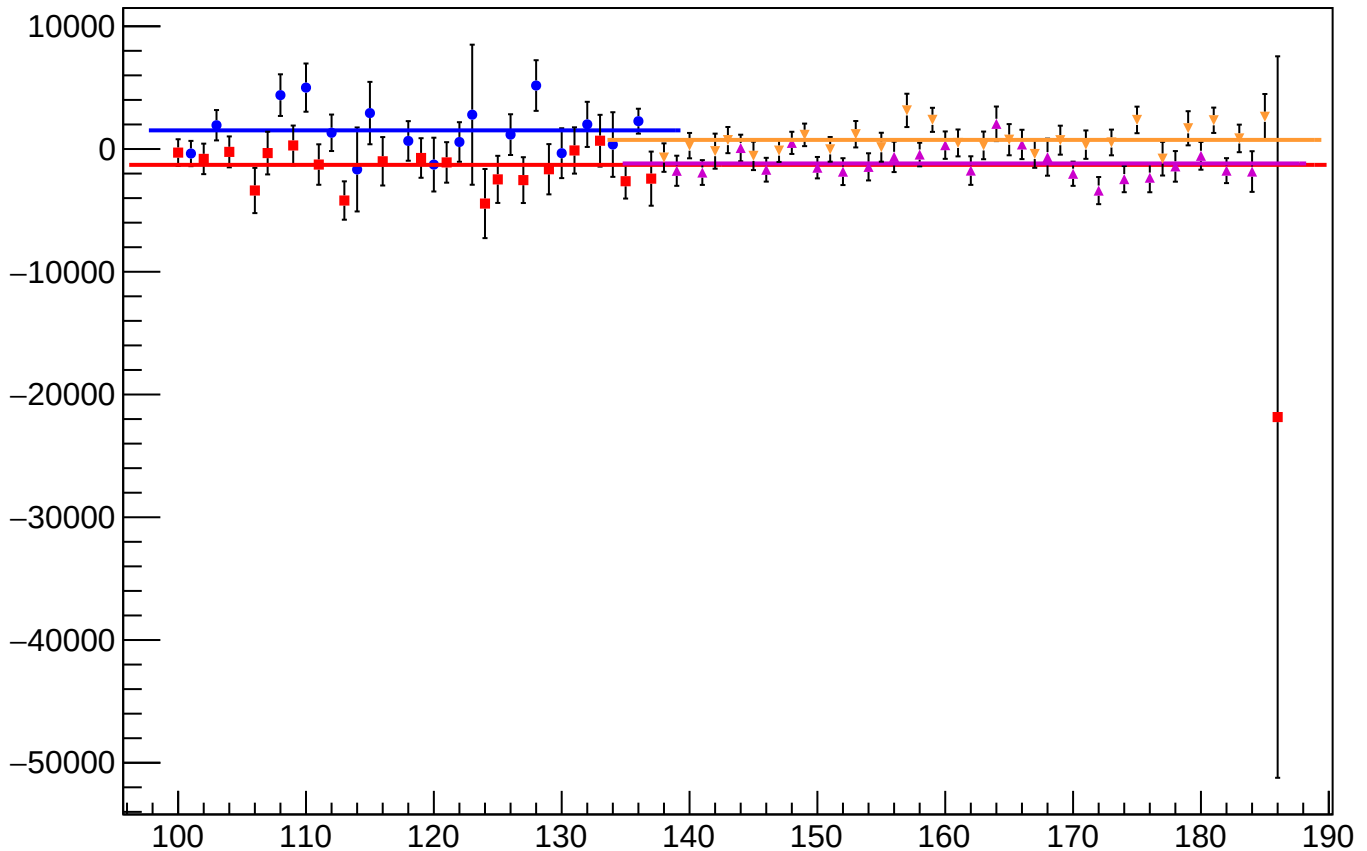
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 777.136 $\pm$ 0.112 χ^2 /NDF: 1411003.8/41

All: 93.389 $\pm$ 0.026 χ^2 /NDF: 86591962.0/84

- sign 53.709 $\pm$ 0.027 χ^2 /NDF: 45634184.4/42

asym_right_dd_mean vs Slug



Right In: 1519.485 $\pm$ 402.890 χ^2 /NDF: 17.8/16

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

Right Out: -1290.912 $\pm$ 376.648 χ^2 /NDF: 12.8/19

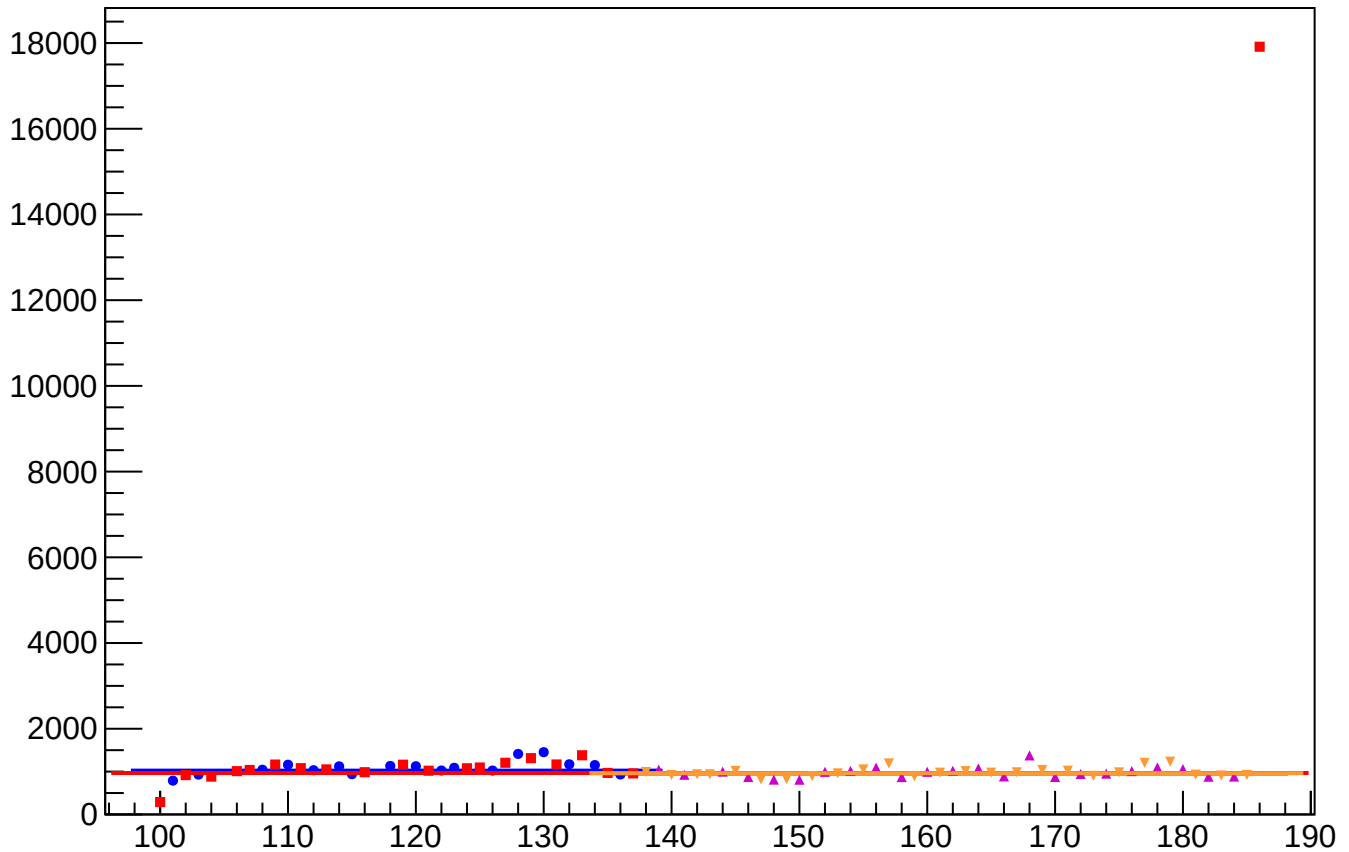
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

+ sign 928.289 $\pm$ 196.880 χ^2 /NDF: 40.9/41

All: -141.991 $\pm$ 139.058 χ^2 /NDF: 137.0/84

- sign -1207.466 $\pm$ 196.437 χ^2 /NDF: 37.1/42

asym_right_dd_rms vs Slug



Right In: 1022.583+/-0.285 χ^2/NDF : 336434.0/16

Left Out: 962.776+/-0.160 χ^2/NDF : 362837.8/24

Right Out: 966.933+/-0.266 χ^2/NDF : 1733943.7/19

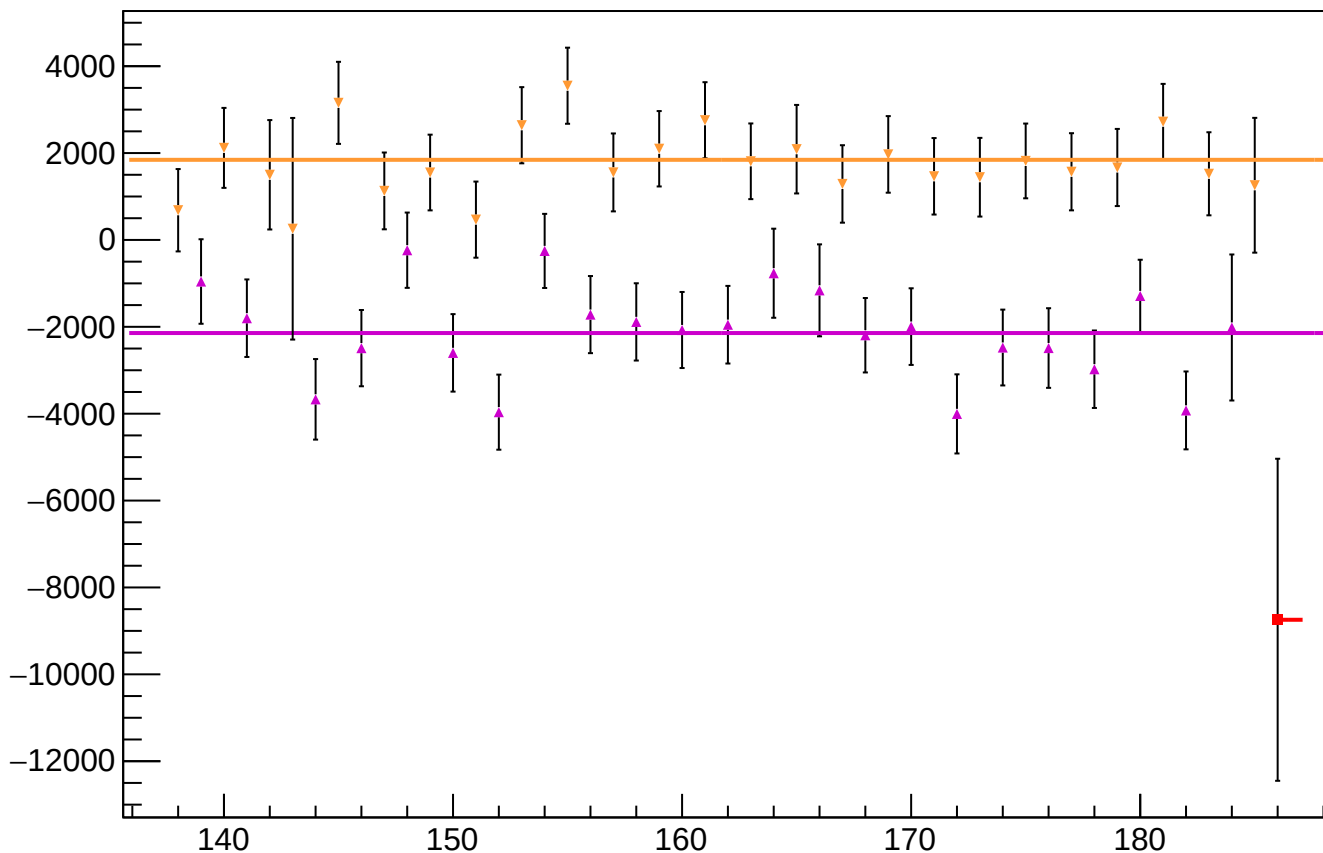
Left In: 955.331+/-0.163 χ^2/NDF : 443068.5/22

+ sign 977.058+/-0.139 χ^2/NDF : 732818.7/41

All: 967.751+/-0.098 χ^2/NDF : 2920130.6/84

- sign 958.487+/-0.139 χ^2/NDF : 2178393.9/42

cor_asym_us_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1844.361+/-186.909 χ^2/NDF : 15.4/24

Right Out: -8744.107+/-3706.906 χ^2/NDF : 0.0/0

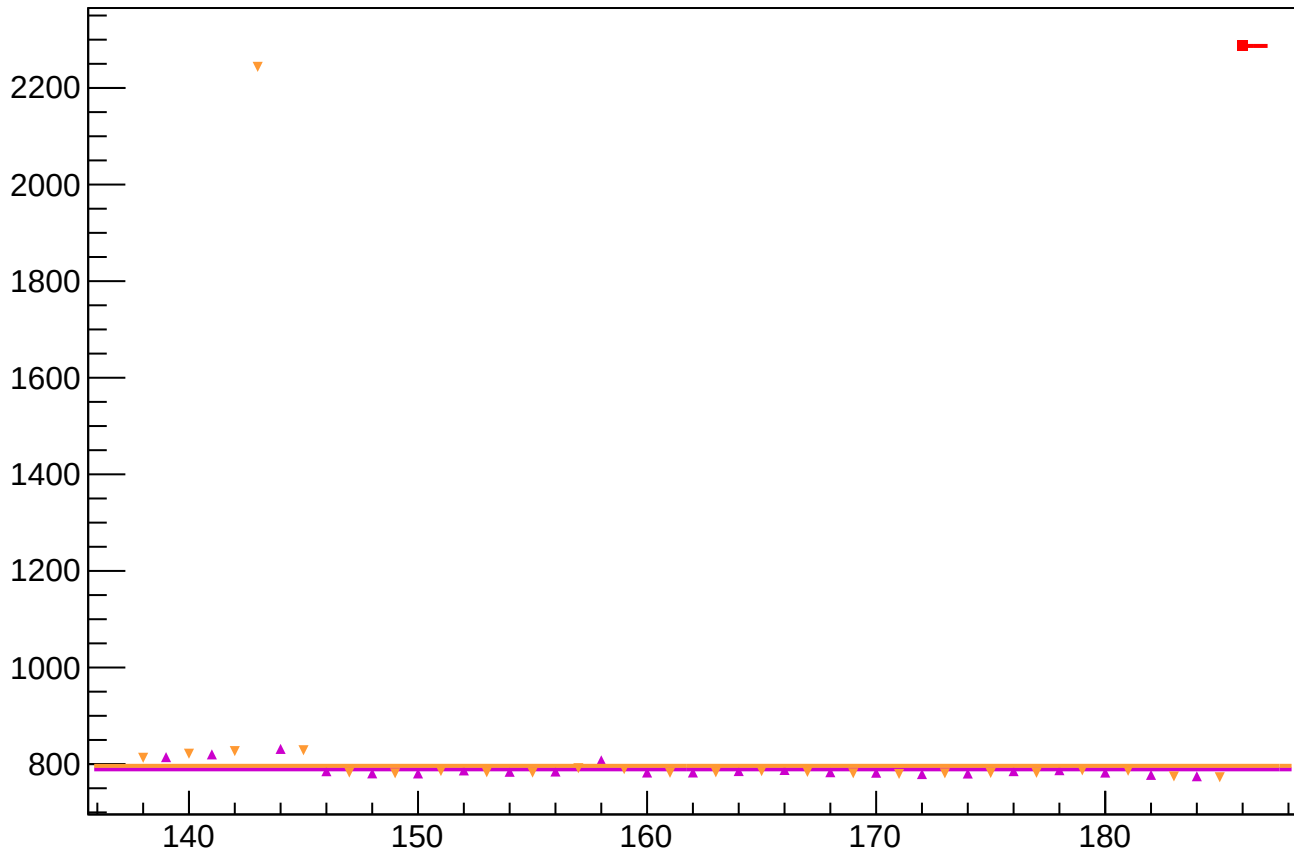
Left In: -2143.254+/-190.144 χ^2/NDF : 32.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -126.375+/-133.207 χ^2/NDF : 276.8/48

- sign -2160.576+/-189.894 χ^2/NDF : 35.5/23

cor_asym_us_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 796.470+/-0.132 χ^2/NDF : 658729.4/24

Right Out: 2287.028+/-2.621 χ^2/NDF : 0.0/0

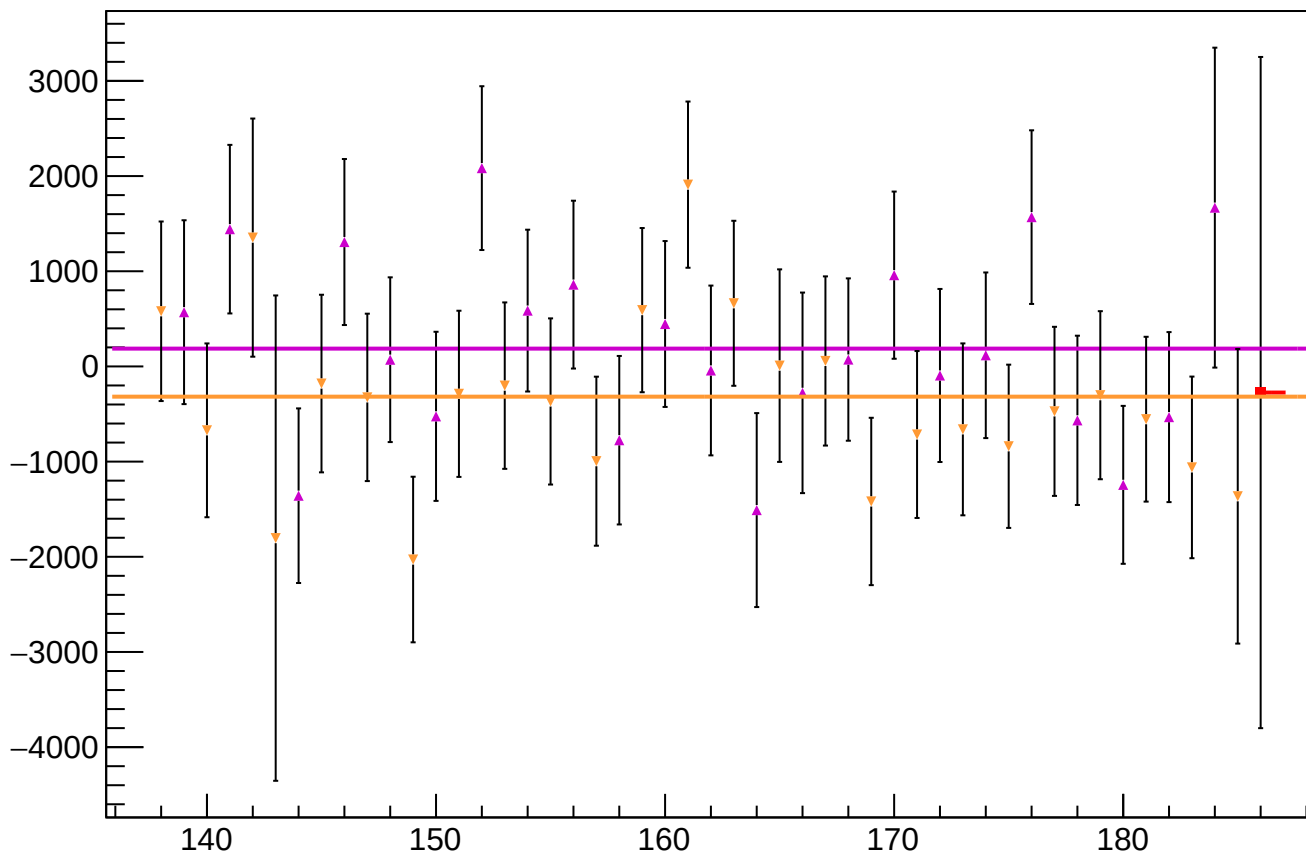
Left In: 789.176+/-0.134 χ^2/NDF : 10860.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 794.815+/-0.094 χ^2/NDF : 995597.2/48

- sign 793.107+/-0.134 χ^2/NDF : 336549.2/23

cor_asym_us_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -317.611 $\pm$ 186.045 χ^2 /NDF:20.3/24

Right Out: -274.526 $\pm$ 3525.993 χ^2 /NDF: 0.0/0

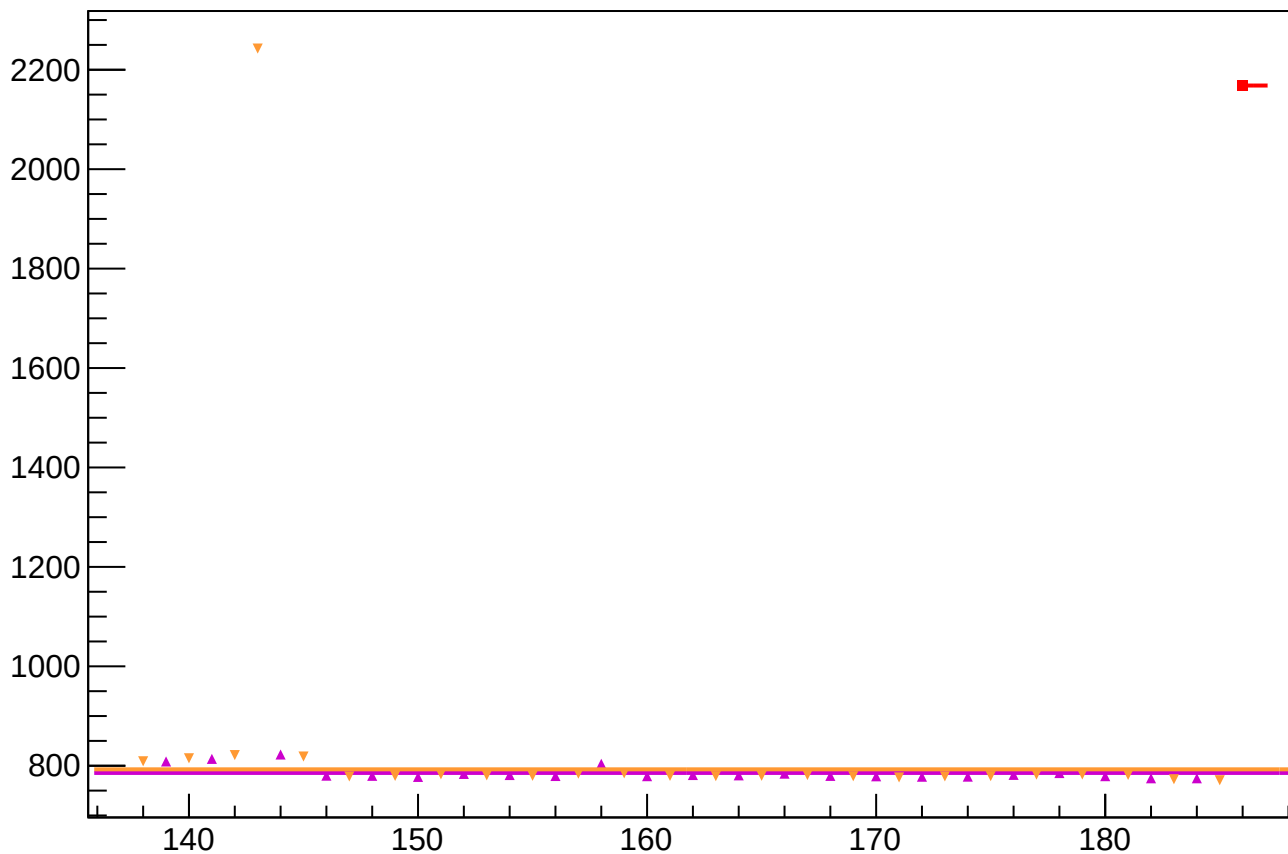
Left In: 187.105 $\pm$ 189.265 χ^2 /NDF:25.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -69.874 $\pm$ 132.584 χ^2 /NDF: 49.5/48

- sign 185.778 $\pm$ 188.993 χ^2 /NDF: 25.6/23

cor_asym_us_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 792.811+/-0.132 χ^2/NDF :659508.7/24

Right Out: 2168.262+/-2.493 χ^2/NDF : 0.0/0

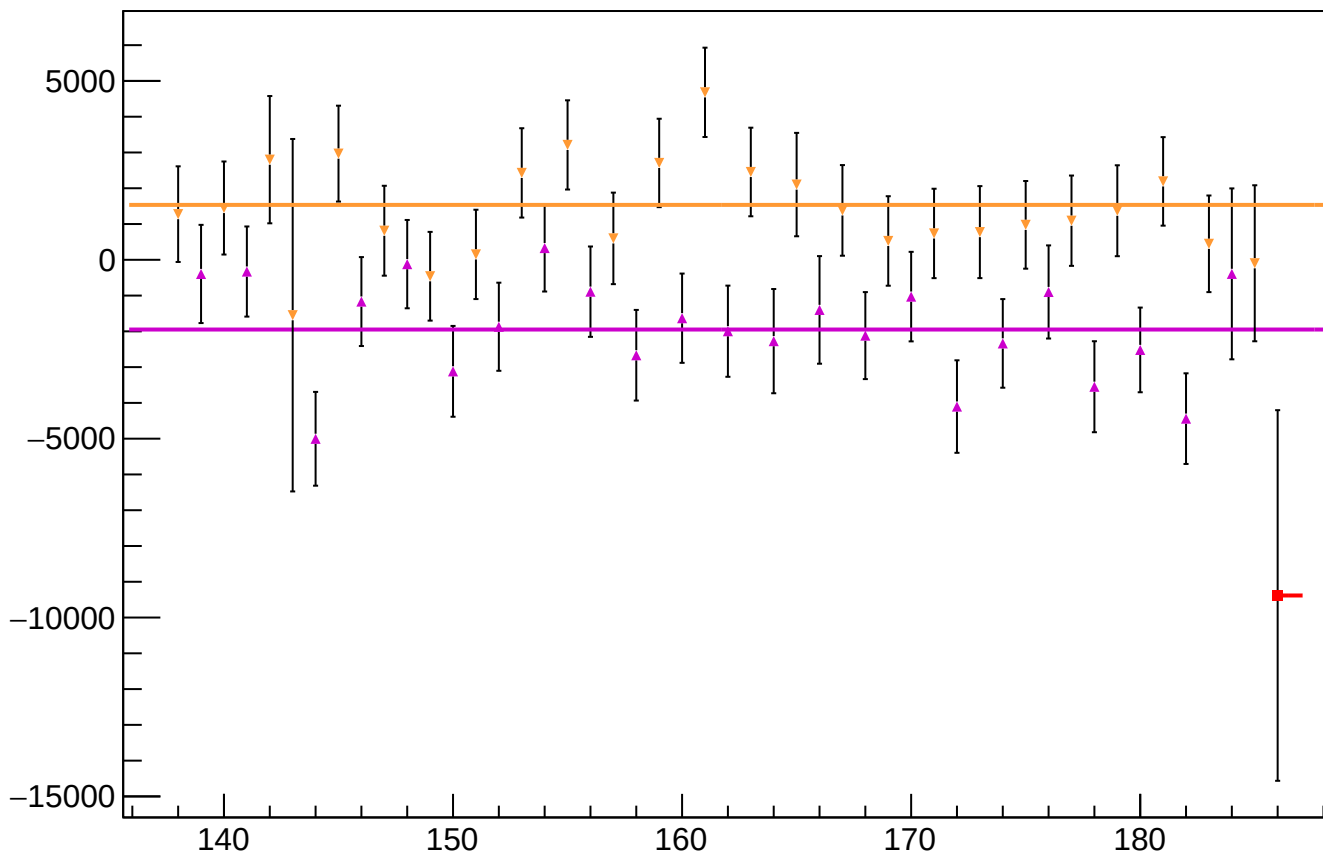
Left In: 785.562+/-0.134 χ^2/NDF :9033.0/22

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 791.198+/-0.094 χ^2/NDF : 975518.6/48

- sign 789.534+/-0.134 χ^2/NDF : 315704.6/23

cor_asym_usl_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1534.720+/-265.890 χ^2/NDF : 20.3/24

Right Out: -9383.501+/-5180.036 χ^2/NDF : 0.0/0

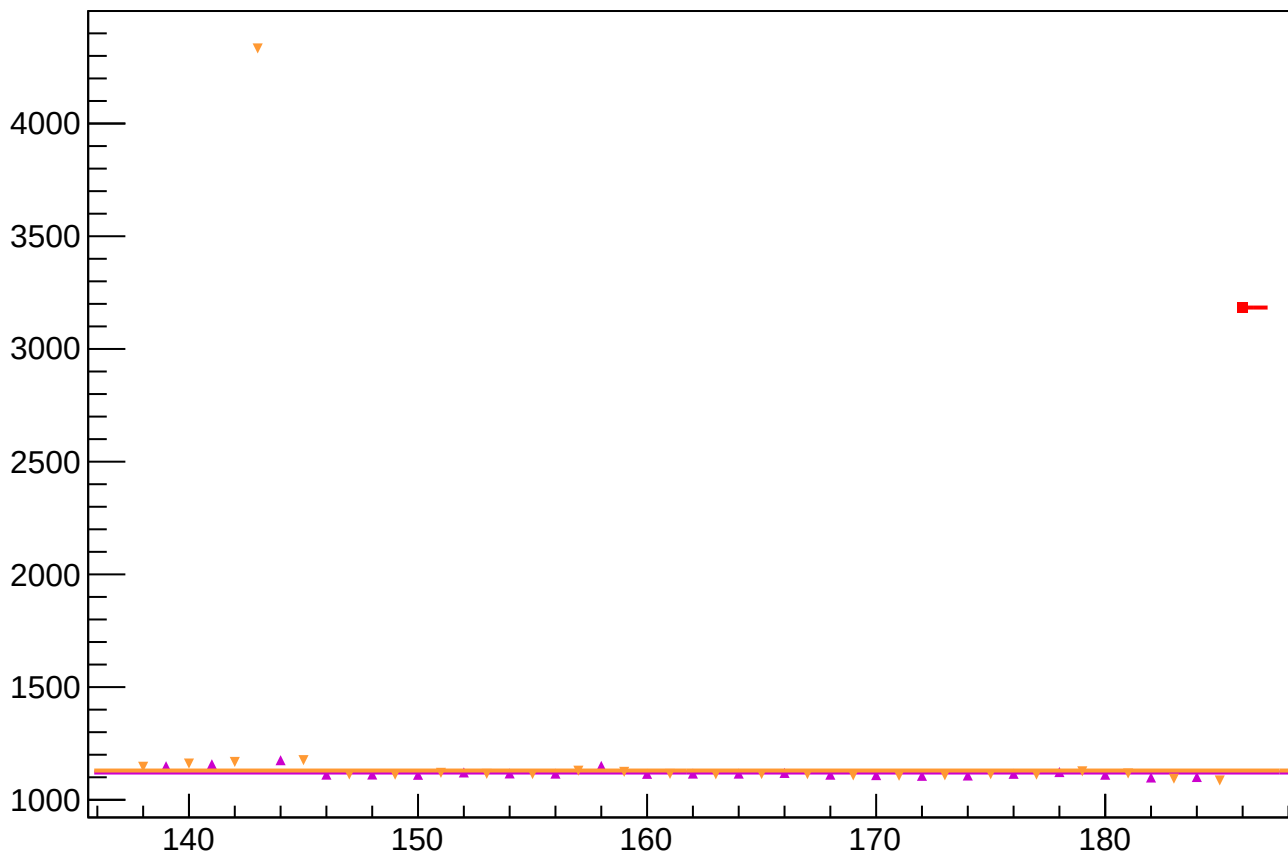
Left In: -1949.077+/-270.080 χ^2/NDF : 26.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -192.245+/-189.350 χ^2/NDF : 134.7/48

- sign -1969.232+/-269.714 χ^2/NDF : 28.8/23

cor_asym_usl_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1129.937+/-0.188 χ^2/NDF : 858269.9/24

Right Out: 3183.662+/-3.663 χ^2/NDF : 0.0/0

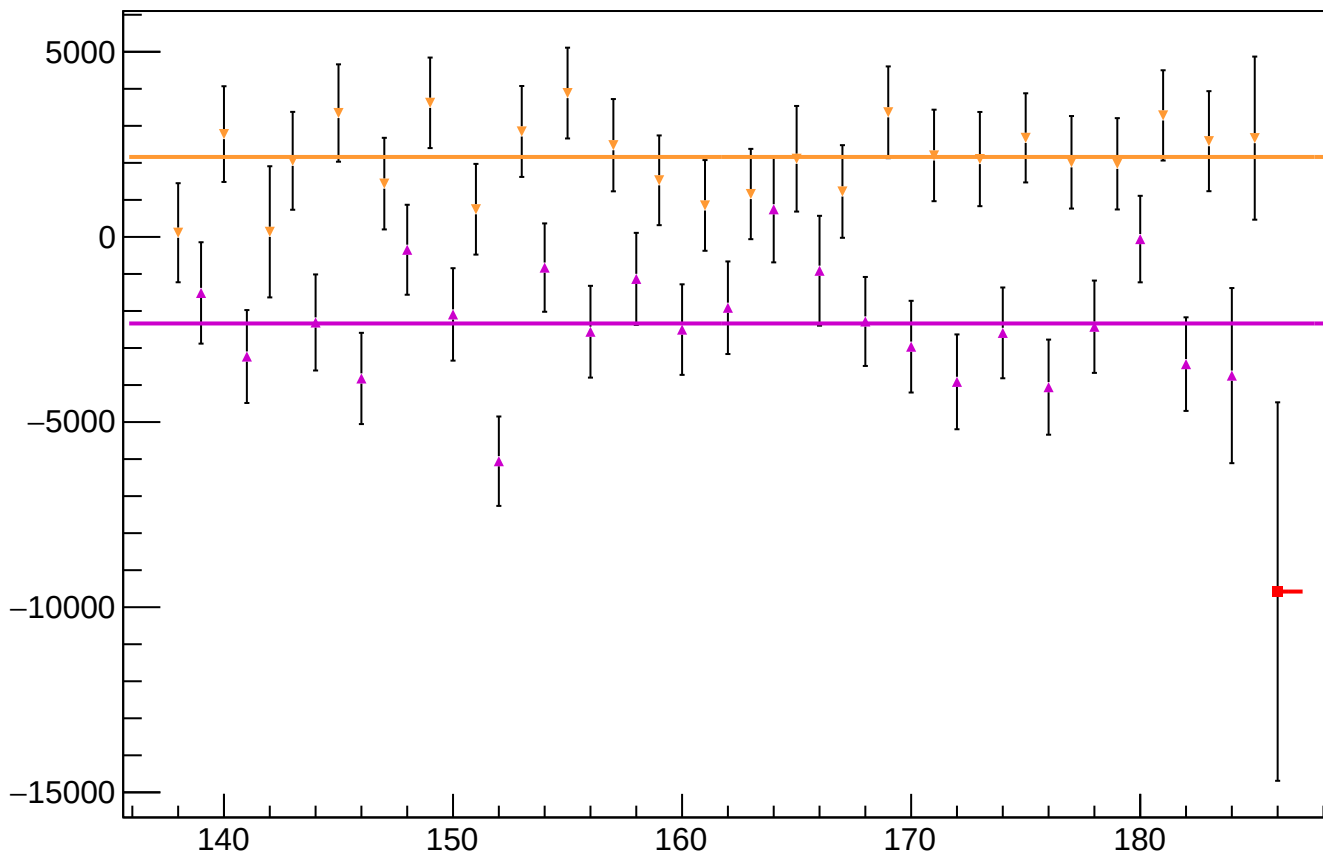
Left In: 1120.977+/-0.191 χ^2/NDF : 9259.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1128.277+/-0.134 χ^2/NDF : 1183952.6/48

- sign 1126.570+/-0.191 χ^2/NDF : 325524.6/23

cor_asym_usr_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Right Out: -9577.327+/-5110.896 χ^2/NDF : 0.0/0

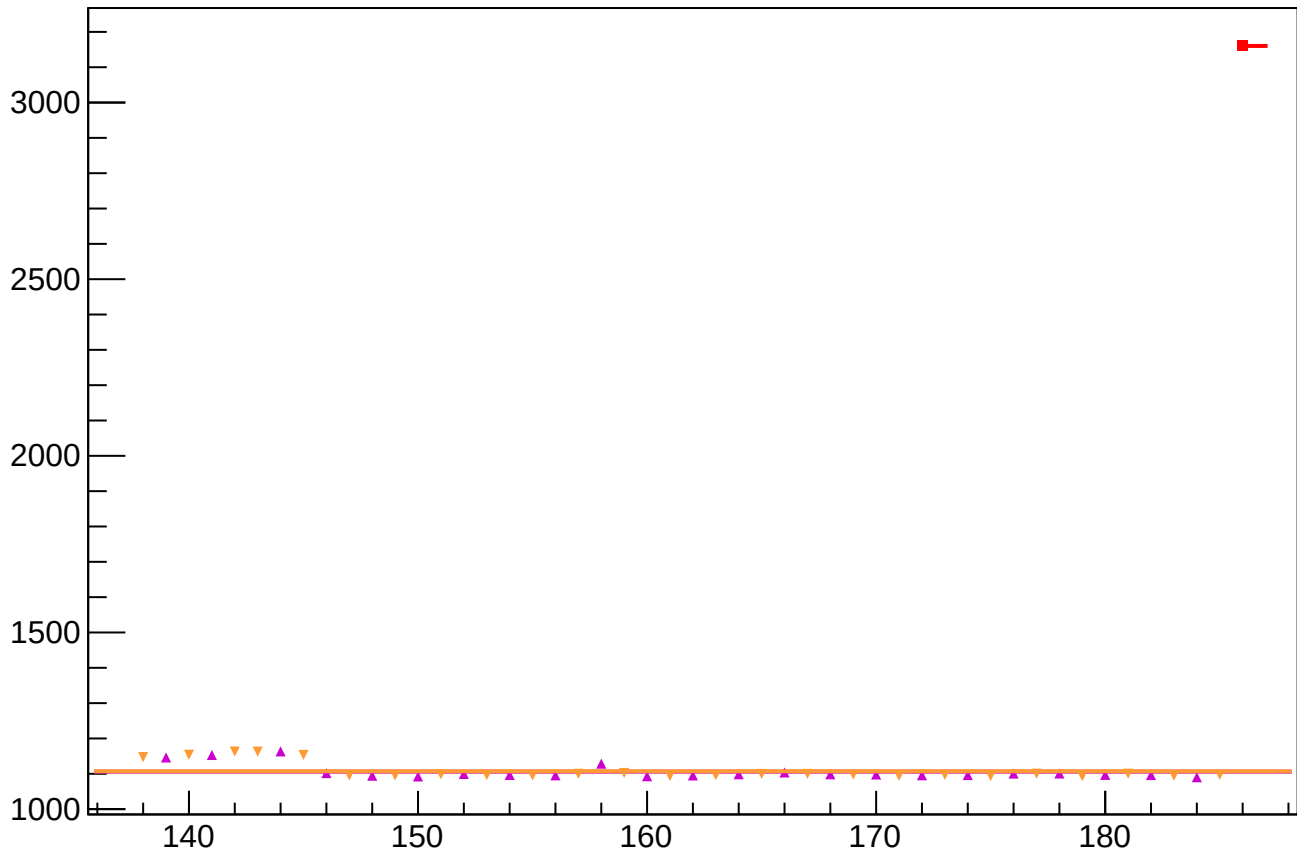
Left In: -2337.232+/-266.468 χ^2/NDF : 31.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -24.493+/-185.057 χ^2/NDF : 197.1/48

- sign -2356.859+/-266.107 χ^2/NDF : 33.3/23

cor_asym_usr_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Right Out: 3160.201+/-3.614 χ^2/NDF : 0.0/0

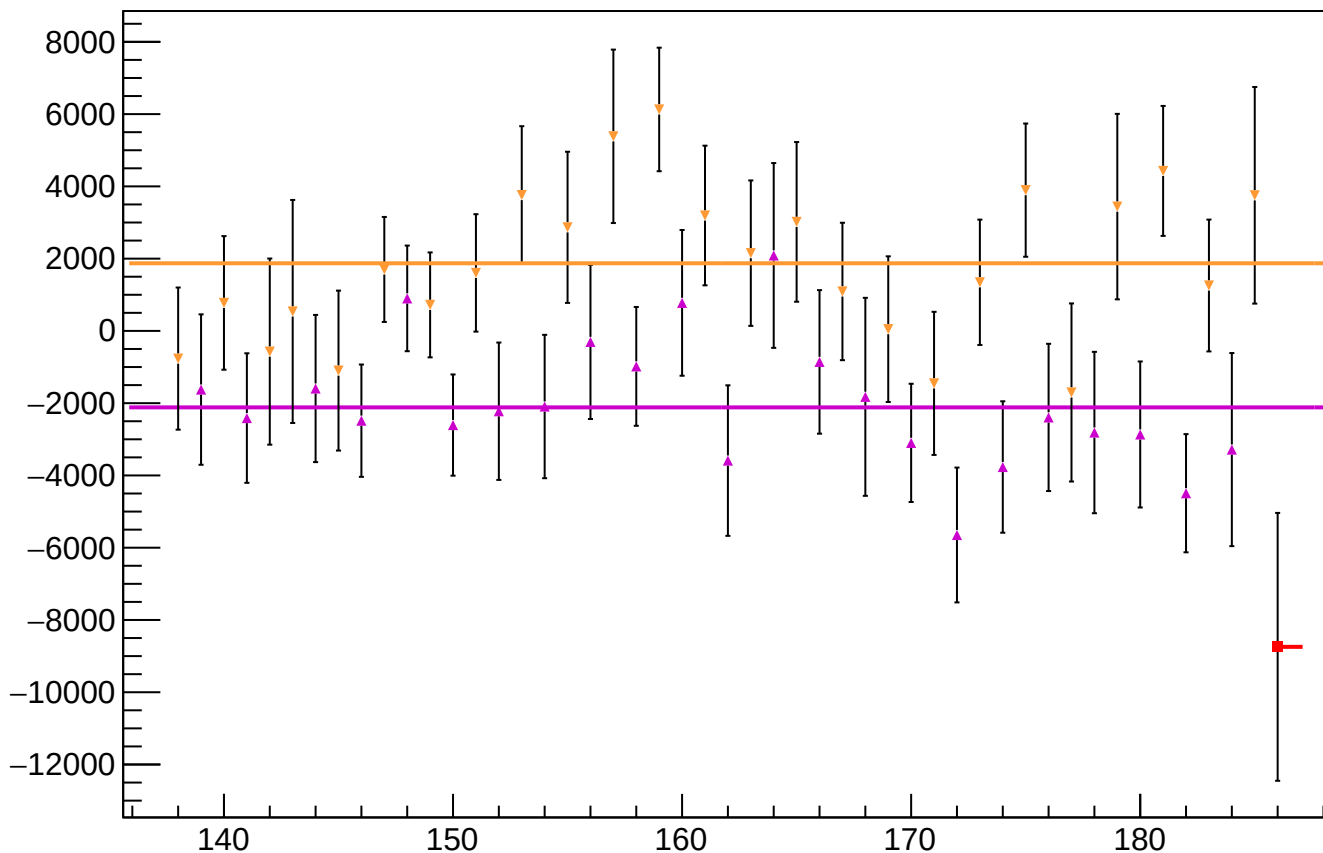
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1109.235+/-0.131 χ^2/NDF : 348809.9/48

- sign 1111.524+/-0.188 χ^2/NDF : 333338.1/23

asym_us_agg_avg_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

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

Right Out: -8744.107 ± 3706.906 χ^2/NDF : 0.0/0

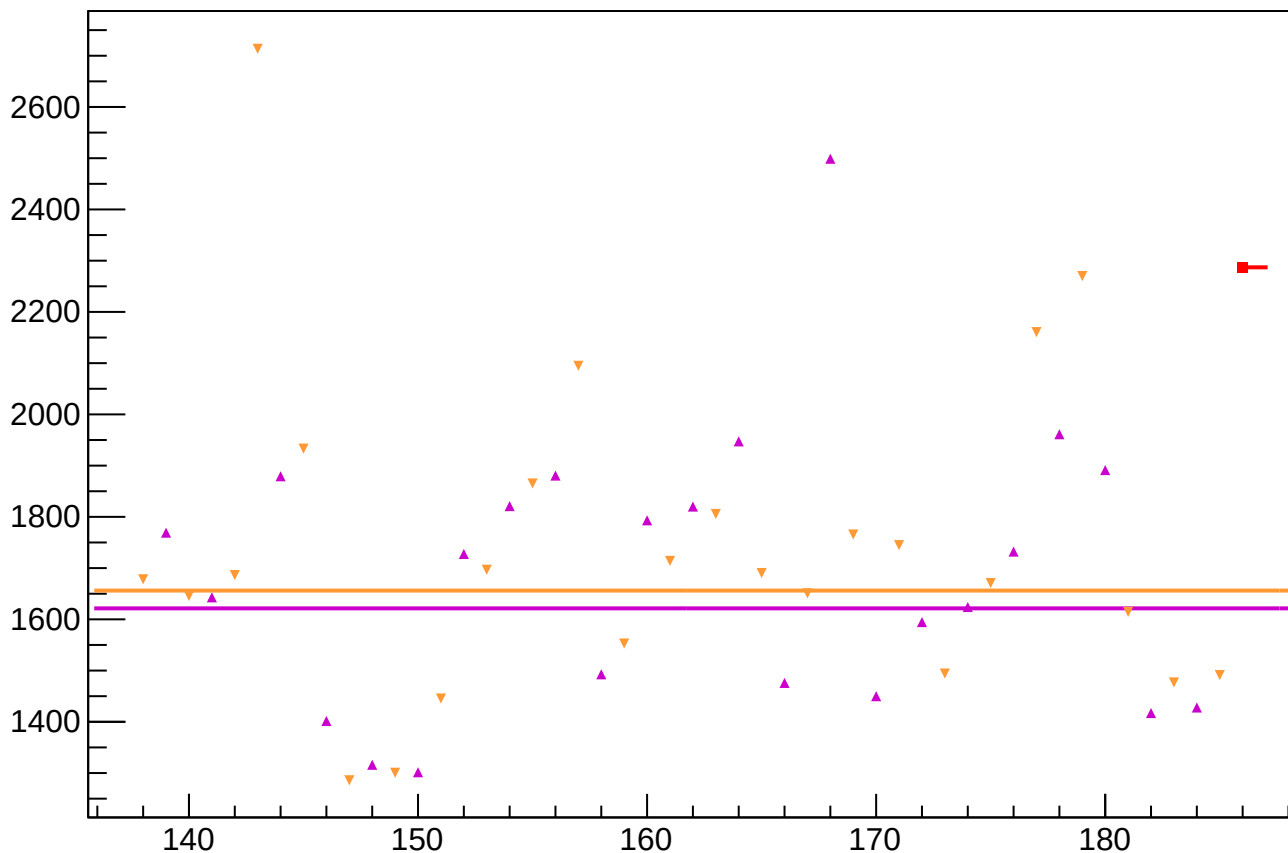
Left In: -2116.114 ± 392.997 χ^2/NDF : 18.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -163.625 ± 276.651 χ^2/NDF : 101.9/48

- sign -2189.783 ± 390.806 χ^2/NDF : 21.9/23

asym_us_agg_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Right Out: 2287.028+/-2.621 χ^2/NDF : 0.0/0

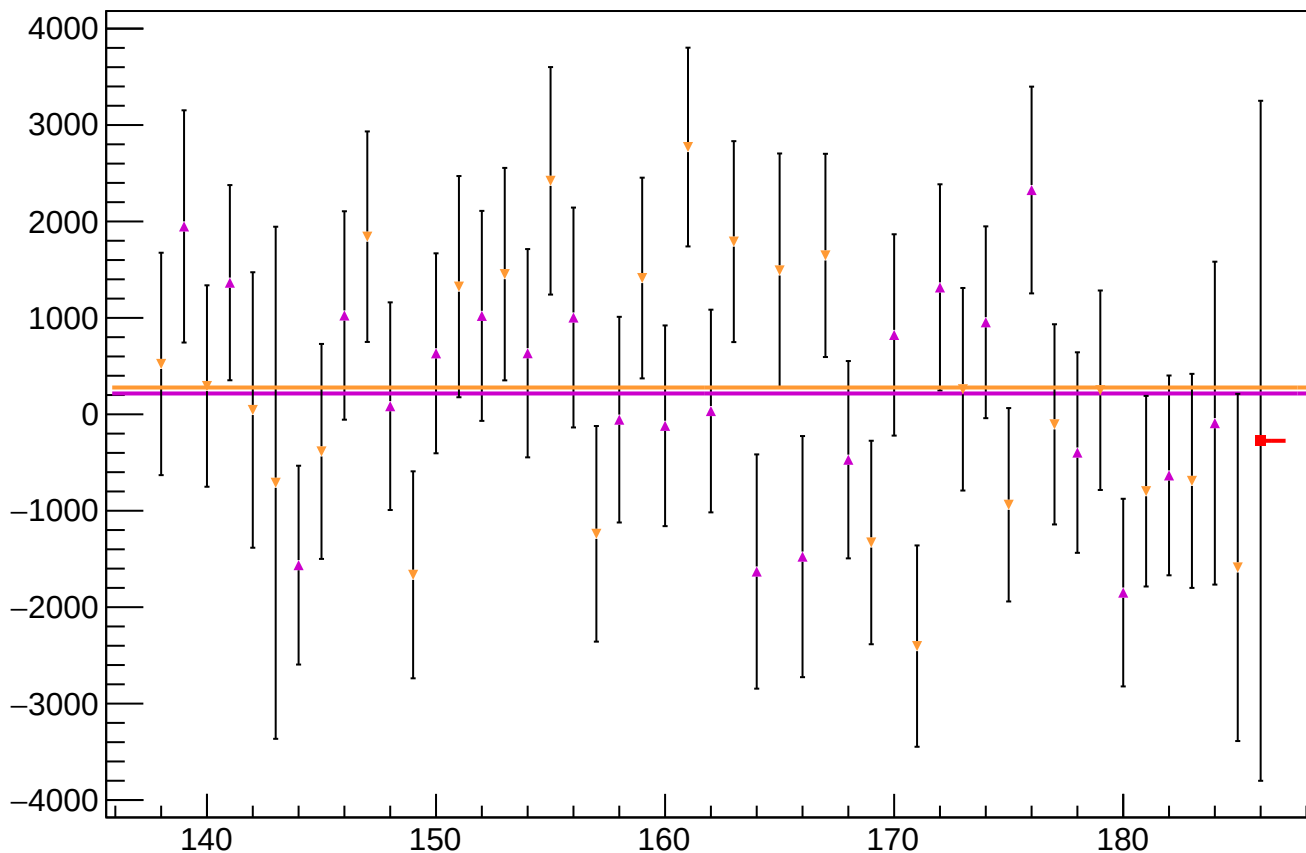
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1642.437+/-0.196 χ^2/NDF : 1754520.5/48

- sign 1628.815+/-0.276 χ^2/NDF : 839076.7/23

asym_us_agg_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

Right Out: -274.526 $\pm$ 3525.993 χ^2 /NDF: 0.0/0

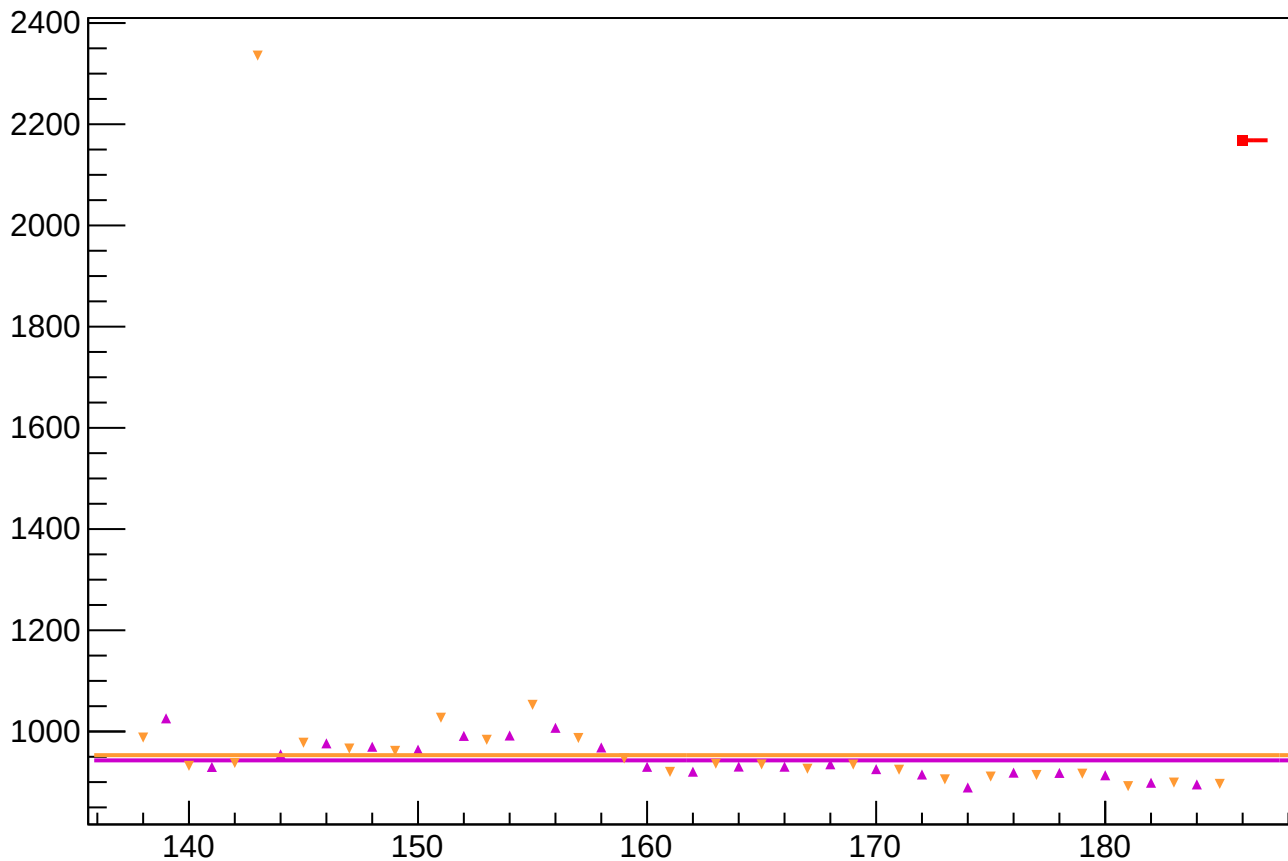
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 246.328 $\pm$ 158.644 χ^2 /NDF: 62.9/48

- sign 214.121 $\pm$ 225.140 χ^2 /NDF: 24.4/23

asym_us_agg_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Right Out: 2168.262+/-2.493 χ^2/NDF : 0.0/0

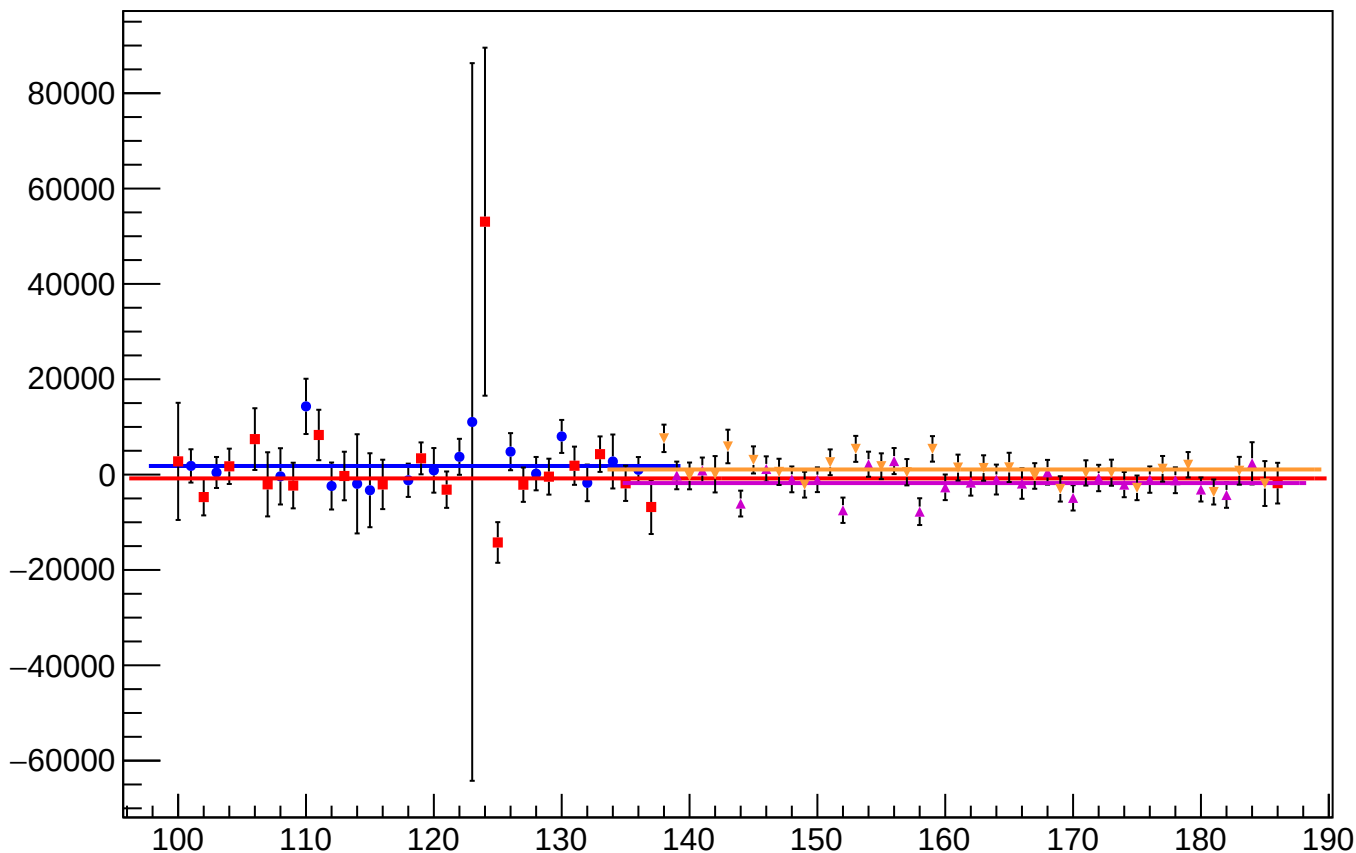
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 950.590+/-0.112 χ^2/NDF : 895782.4/48

- sign 947.922+/-0.159 χ^2/NDF : 288951.5/23

reg_asym_atl1_mean vs Slug



Right In: 1807.995 $\pm$ 1015.862 χ^2 /NDF: 12.3/16

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

Right Out: -797.292 $\pm$ 998.365 χ^2 /NDF: 24.2/19

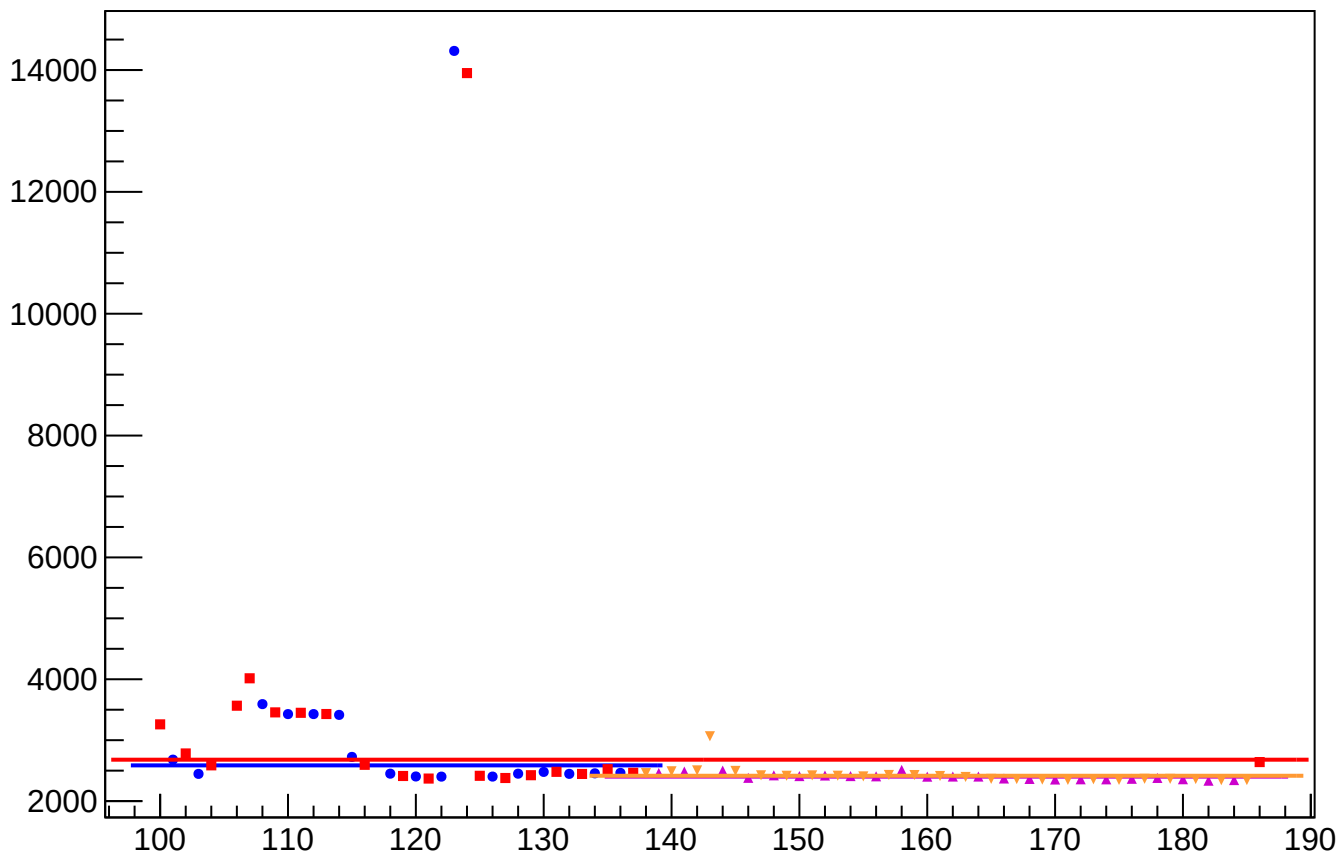
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1250.041 $\pm$ 493.104 χ^2 /NDF: 36.3/41

All: -125.098 $\pm$ 350.691 χ^2 /NDF: 100.9/84

- sign -1532.474 $\pm$ 498.850 χ^2 /NDF: 48.9/42

reg_asym_atl1_rms vs Slug



Right In: 2586.401 ± 0.718 χ^2/NDF : 253848.4/16

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

Right Out: 2679.750 ± 0.706 χ^2/NDF : 529241.6/19

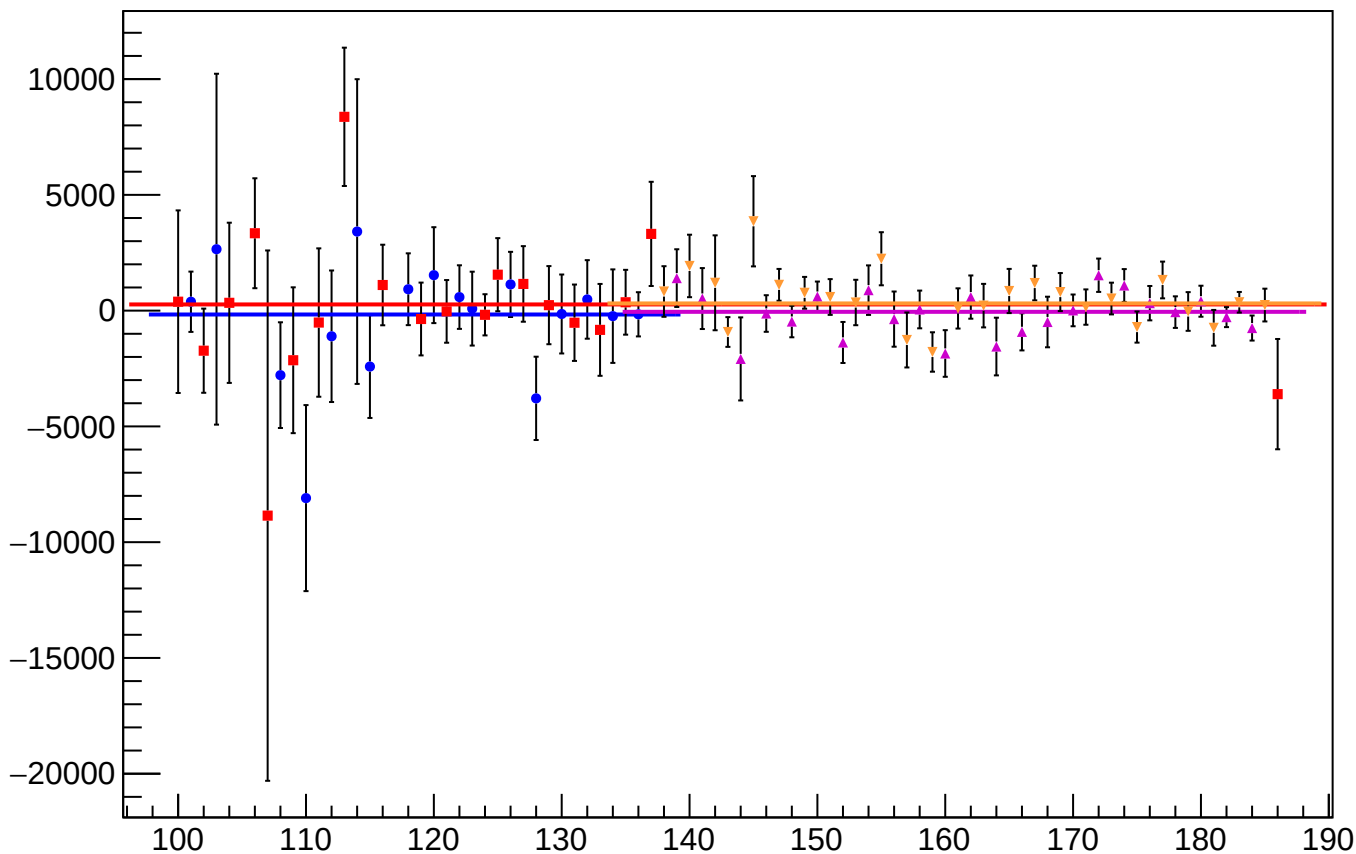
Left In: 2401.422 ± 0.407 χ^2/NDF : 13747.6/22

+ sign 2456.164 ± 0.349 χ^2/NDF : 379489.2/41

All: 2463.452 ± 0.248 χ^2/NDF : 1039995.0/84

- sign 2470.911 ± 0.353 χ^2/NDF : 659621.8/42

asym_atl1_correction_mean vs Slug



Right In: -166.806 ± 421.387 χ^2/NDF : 13.5/16

Left Out: 310.873 ± 160.650 χ^2/NDF : 29.7/24

Right Out: 267.730 ± 404.076 χ^2/NDF : 18.2/19

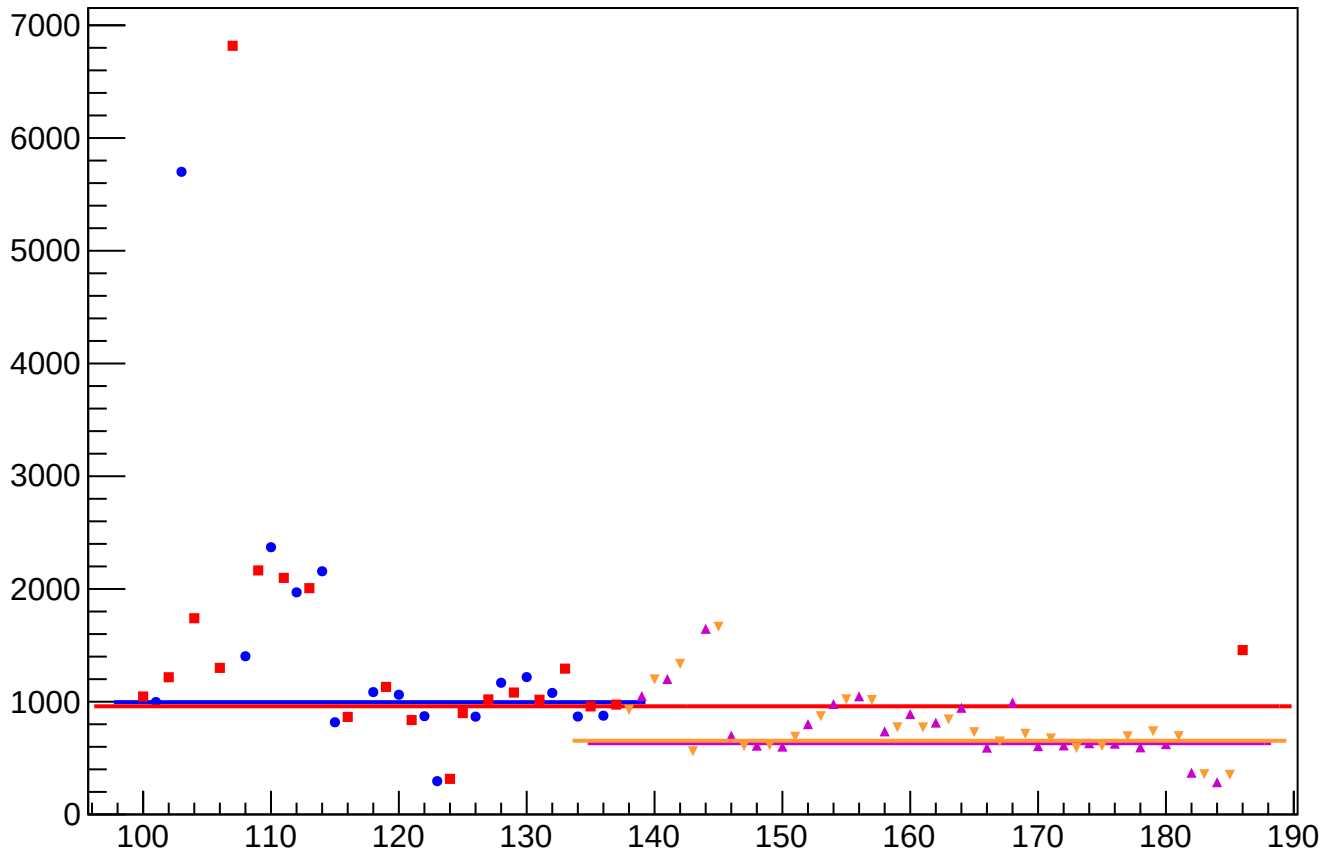
Left In: -51.454 ± 161.744 χ^2/NDF : 23.8/22

+ sign 250.255 ± 150.111 χ^2/NDF : 44.4/41

All: 121.483 ± 106.162 χ^2/NDF : 88.4/84

- sign -7.375 ± 150.161 χ^2/NDF : 42.6/42

asym_atl1_correction_rms vs Slug



Right In: 995.873 ± 0.298 χ^2/NDF : 1903000.1/16

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

Right Out: 959.338 ± 0.286 χ^2/NDF : 2756691.4/19

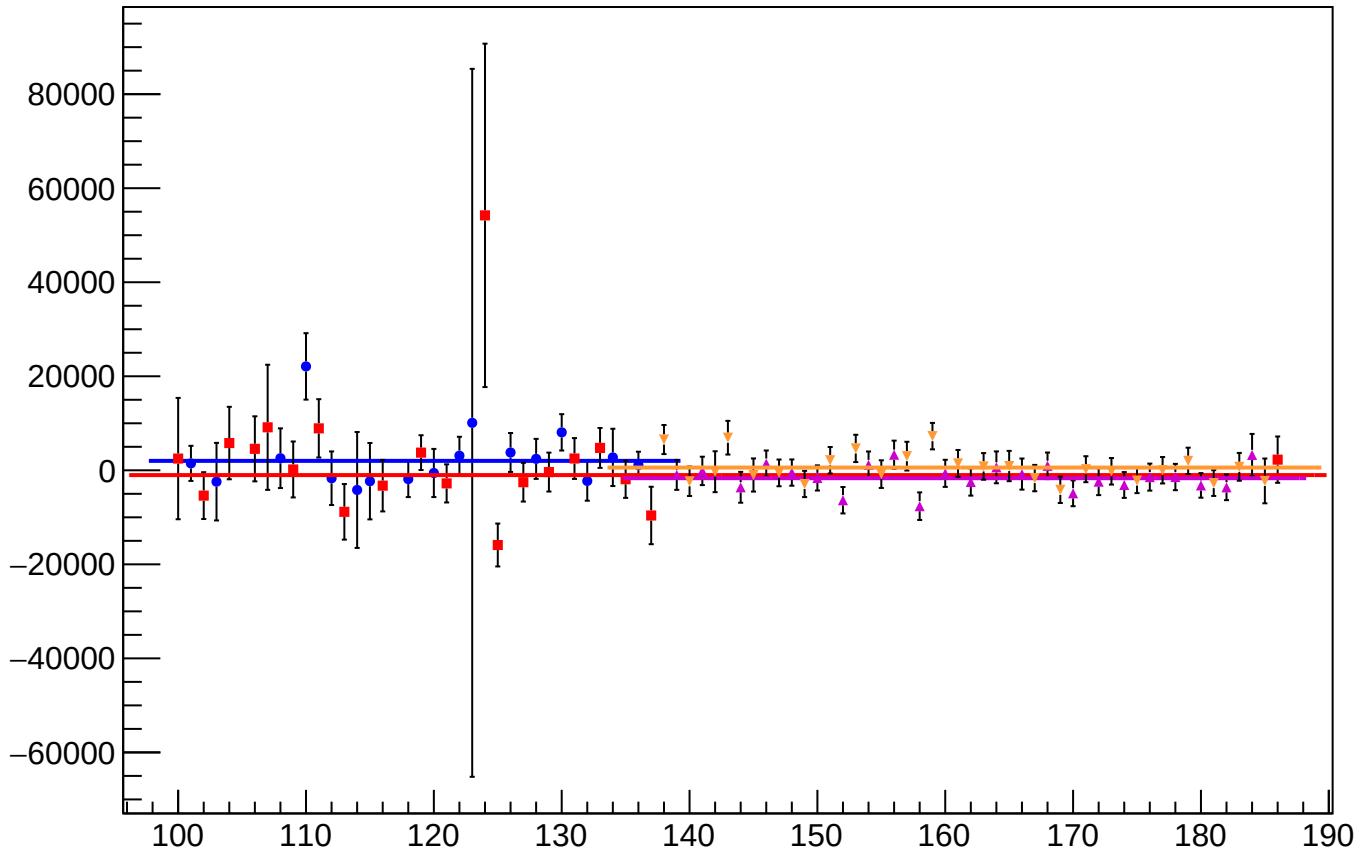
Left In: 632.053 ± 0.114 χ^2/NDF : 3942853.4/22

+ sign 697.212 ± 0.106 χ^2/NDF : 6308394.3/41

All: 687.234 ± 0.075 χ^2/NDF : 14156492.6/84

- sign 677.250 ± 0.106 χ^2/NDF : 7830421.8/42

asym_atl1_mean vs Slug



Right In: 2009.141 $\pm$ 1163.584 χ^2 /NDF: 14.5/16

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

Right Out: -1016.781 $\pm$ 1157.678 χ^2 /NDF: 27.3/19

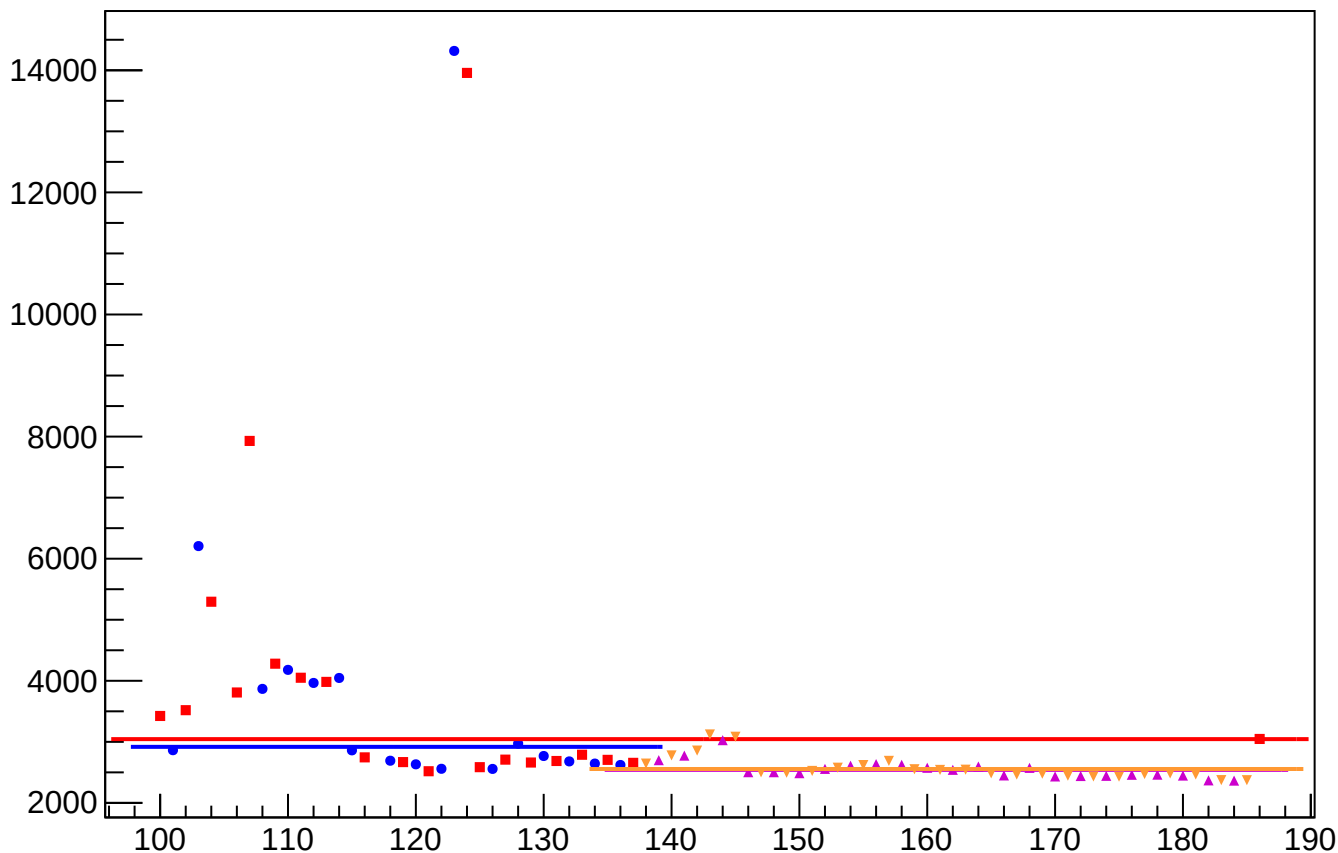
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 878.645 $\pm$ 531.289 χ^2 /NDF: 41.1/41

All: -309.374 $\pm$ 378.632 χ^2 /NDF: 96.9/84

- sign -1535.502 $\pm$ 539.743 χ^2 /NDF: 45.7/42

asym_atl1_rms vs Slug



Right In: 2918.002+/-0.823 χ^2/NDF : 636720.5/16

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

Right Out: 3044.644+/-0.819 χ^2/NDF : 1006713.1/19

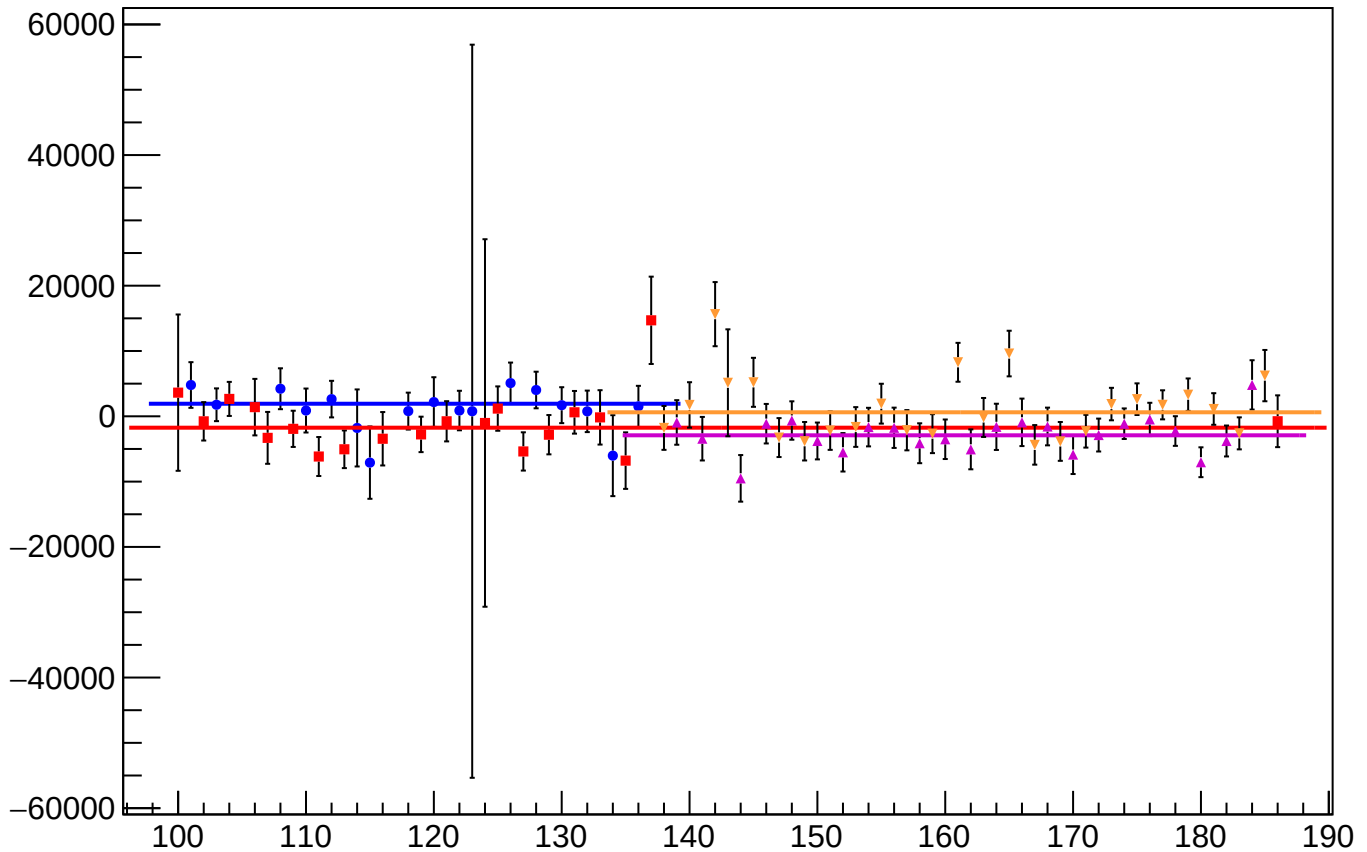
Left In: 2540.988+/-0.431 χ^2/NDF :94756.7/22

+ sign 2630.900+/-0.376 χ^2/NDF : 945295.9/41

All: 2640.529+/-0.268 χ^2/NDF : 2344365.8/84

- sign 2650.467+/-0.382 χ^2/NDF : 1397734.9/42

reg_asym_atl2_mean vs Slug



Right In: 1924.076 ± 813.616 χ^2/NDF : 8.1/16

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

Right Out: -1743.838 ± 777.024 χ^2/NDF : 18.3/19

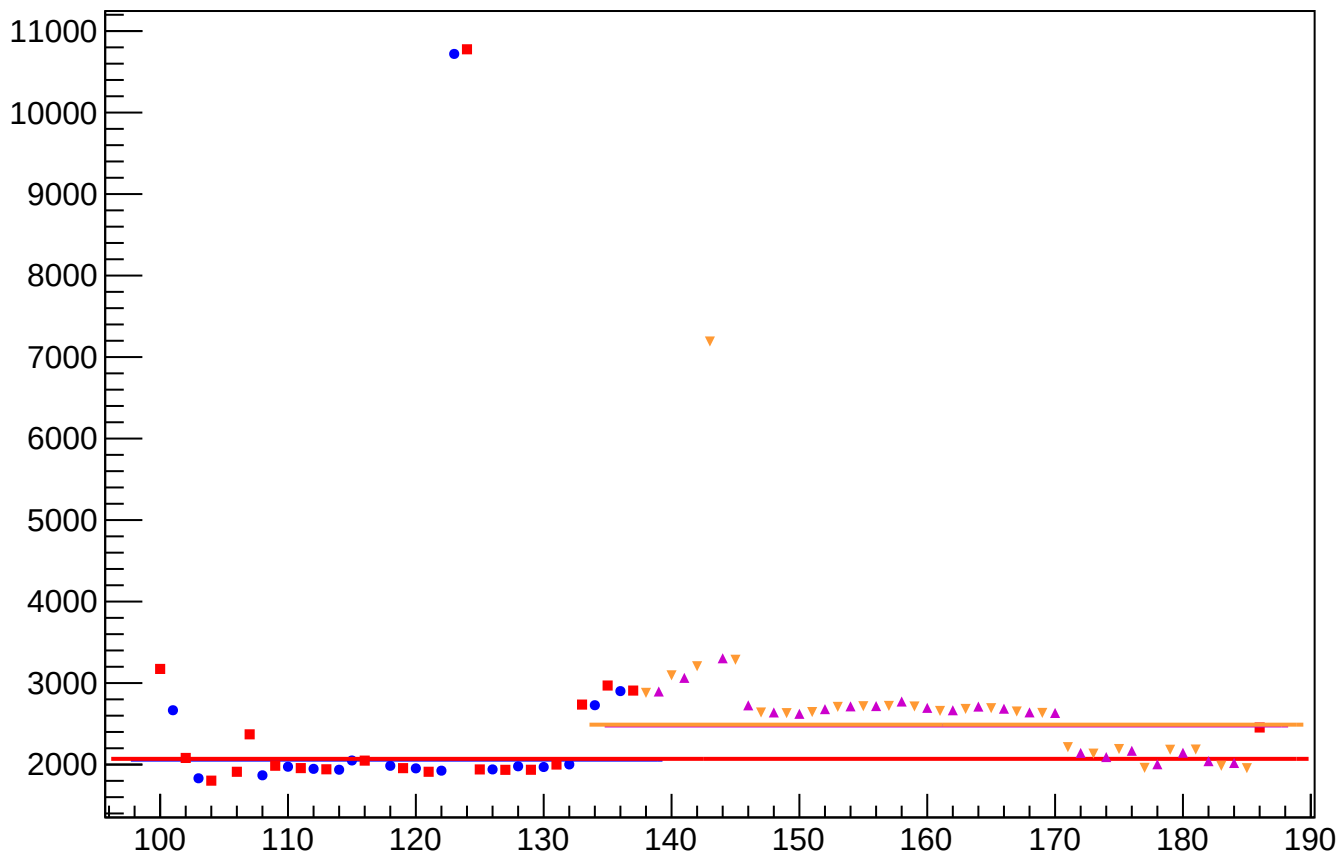
Left In: -2909.108 ± 599.673 χ^2/NDF : 17.4/22

+ sign 1067.209 ± 478.242 χ^2/NDF : 55.0/41

All: -716.496 ± 336.922 χ^2/NDF : 119.7/84

- sign -2474.136 ± 474.735 χ^2/NDF : 37.1/42

reg_asym_atl2_rms vs Slug



Right In: 2060.723+/-0.575 χ^2/NDF : 317606.8/16

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

Right Out: 2070.044+/-0.549 χ^2/NDF : 461236.2/19

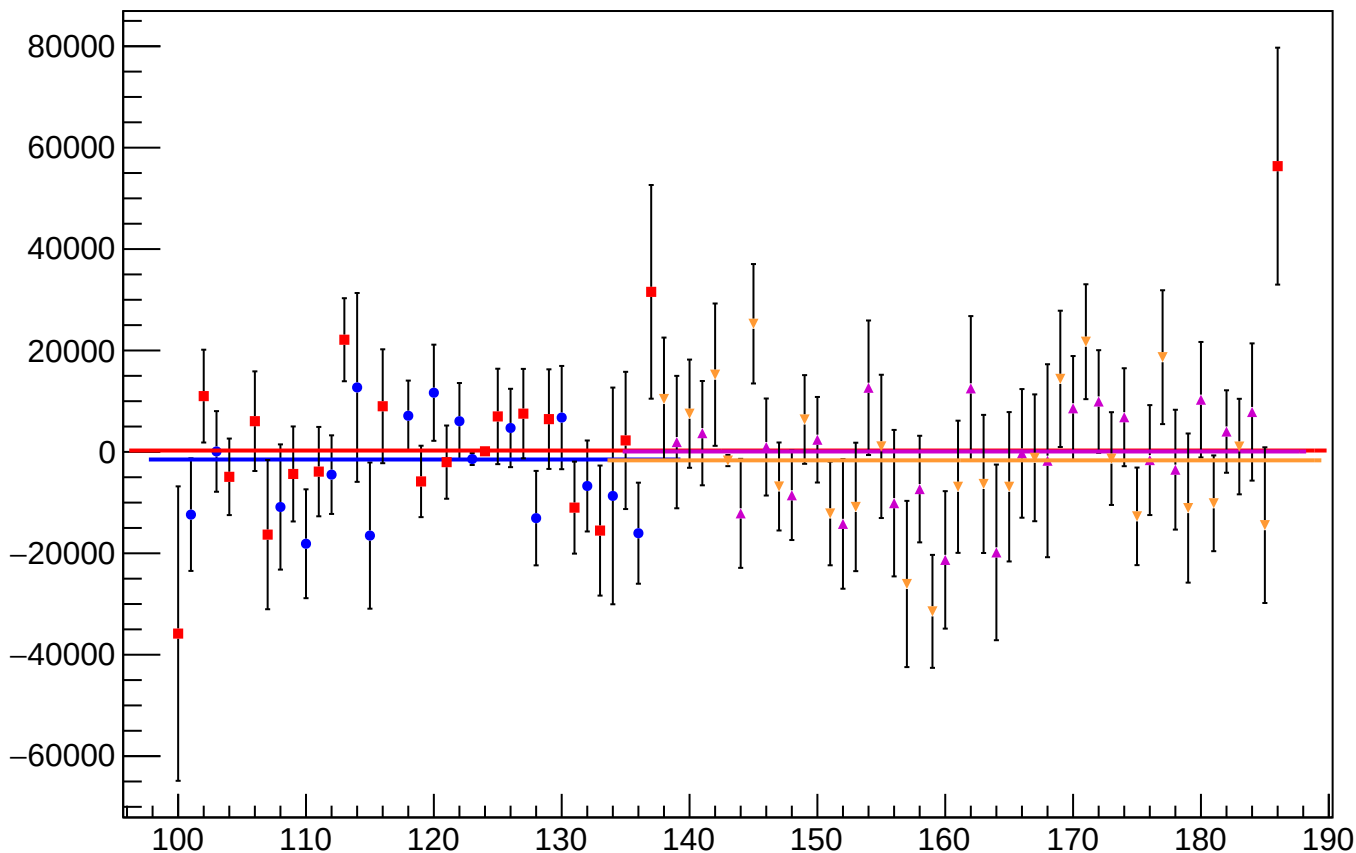
Left In: 2479.348+/-0.424 χ^2/NDF :668398.2/22

+ sign 2341.404+/-0.338 χ^2/NDF : 2045485.0/41

All: 2333.929+/-0.238 χ^2/NDF : 3523890.2/84

- sign 2326.563+/-0.336 χ^2/NDF : 1477435.0/42

asym_atl2_correction_mean vs Slug



Right In: -1500.129 ± 1054.661 χ^2/NDF : 15.7/16

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

Right Out: 269.641 ± 695.030 χ^2/NDF : 26.7/19

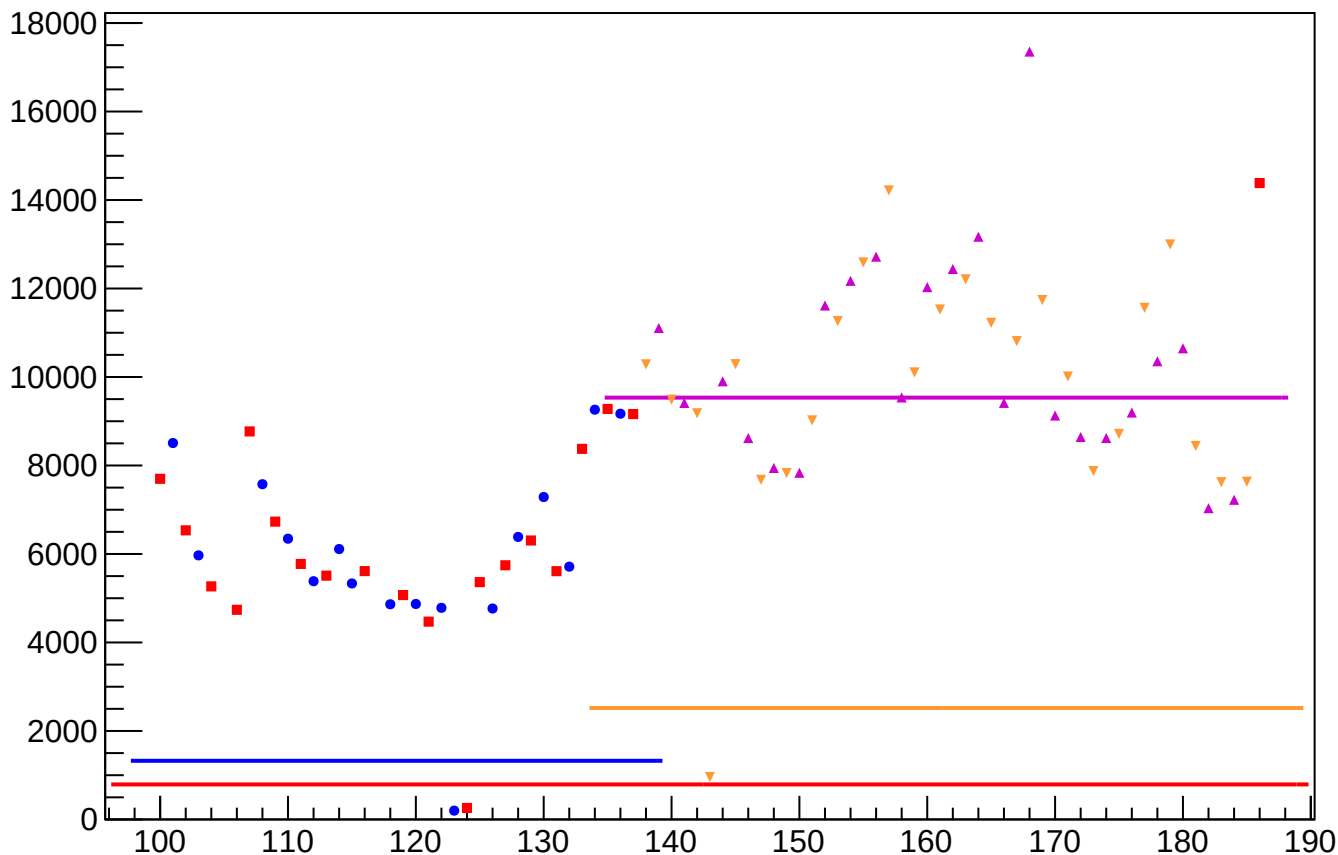
Left In: 80.274 ± 2331.531 χ^2/NDF : 13.8/22

+ sign -1587.740 ± 722.997 χ^2/NDF : 48.1/41

All: -591.411 ± 489.871 χ^2/NDF : 92.1/84

- sign 254.187 ± 666.065 χ^2/NDF : 40.5/42

asym_atl2_correction_rms vs Slug



Right In: 1326.061+/-0.746 χ^2/NDF : 10027581.6/16

Left Out: 2519.359+/-0.702 χ^2/NDF : 23642118.3/24

Right Out: 791.844+/-0.491 χ^2/NDF : 12083748.3/19

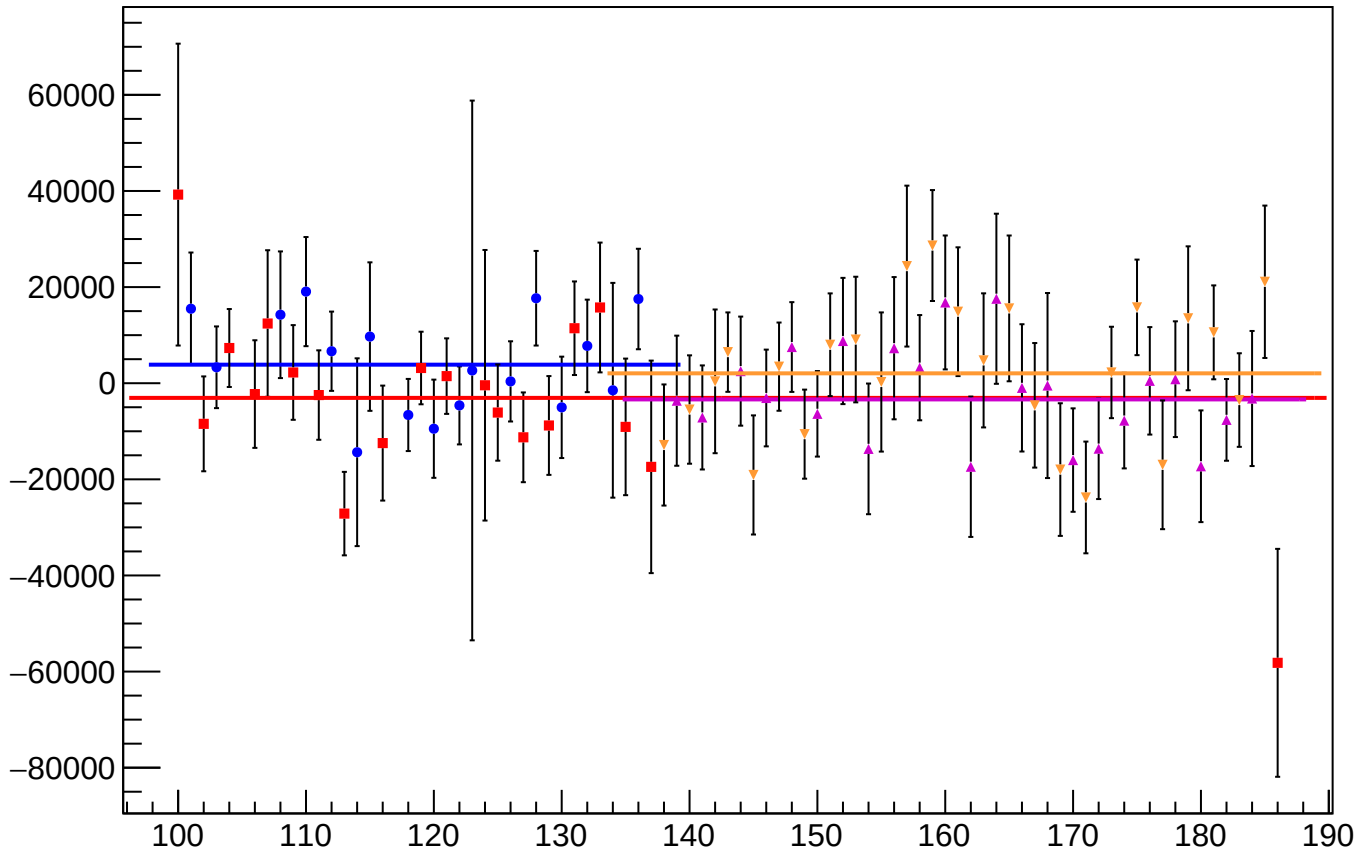
Left In: 9533.563+/-1.649 χ^2/NDF : 1316640.0/22

+ sign 1958.575+/-0.511 χ^2/NDF : 35026834.5/41

All: 1713.374+/-0.346 χ^2/NDF : 74673189.2/8

- sign 1505.268+/-0.471 χ^2/NDF : 39221075.6/42

asym_atl2_mean vs Slug



Right In: 3858.326 ± 2543.101 χ^2/NDF : 14.1/16

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

Right Out: -3052.127 ± 2414.349 χ^2/NDF : 25.7/19

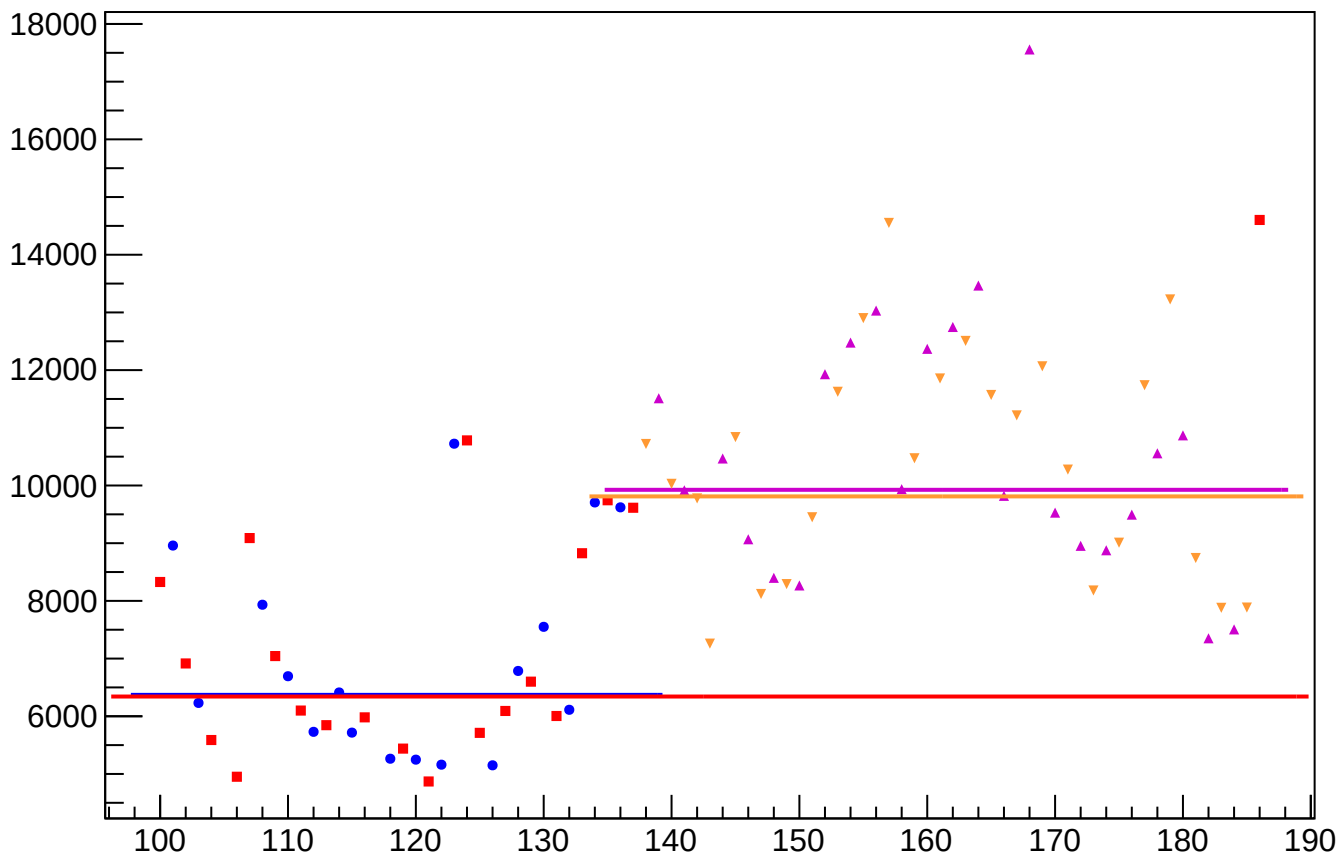
Left In: -3371.931 ± 2423.242 χ^2/NDF : 13.1/22

+ sign 2879.810 ± 1719.364 χ^2/NDF : 45.1/41

All: -181.846 ± 1212.570 χ^2/NDF : 90.2/84

- sign -3211.441 ± 1710.338 χ^2/NDF : 38.9/42

asym_atl2_rms vs Slug



Right In: 6370.939+/-1.798 χ^2/NDF : 578725.9/16

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

Right Out: 6342.087+/-1.707 χ^2/NDF : 777984.3/19

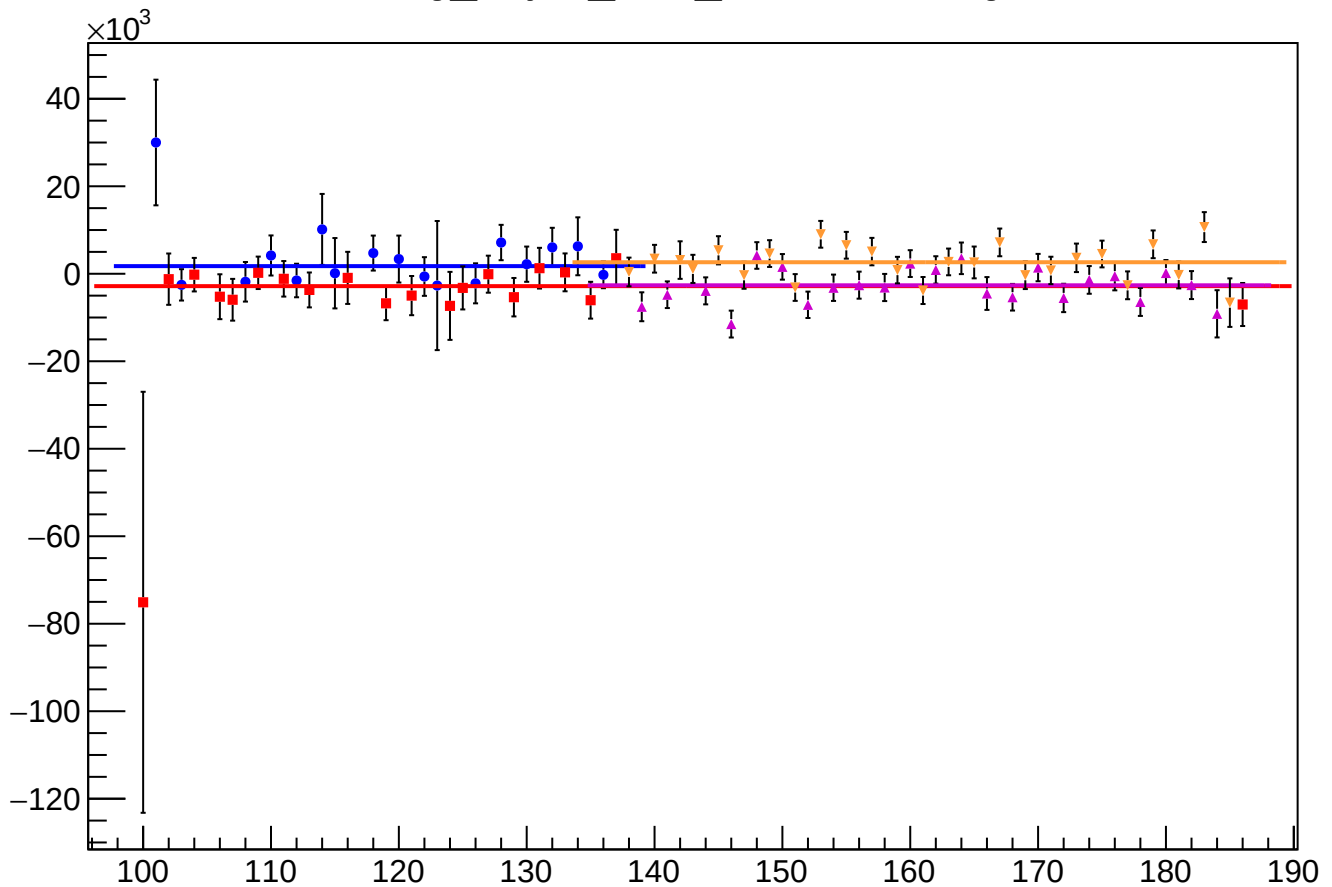
Left In: 9925.337+/-1.713 χ^2/NDF : 1211554.7/22

+ sign 8238.579+/-1.216 χ^2/NDF : 3779442.0/41

All: 8182.516+/-0.857 χ^2/NDF : 7967906.9/84

- sign 8127.043+/-1.209 χ^2/NDF : 4184234.4/42

reg_asym_atr1_mean vs Slug



Right In: 1745.509 $\pm$ 1131.300 χ^2 /NDF: 13.4/16

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

Right Out: -2829.049 $\pm$ 1049.804 χ^2 /NDF: 10.4/19

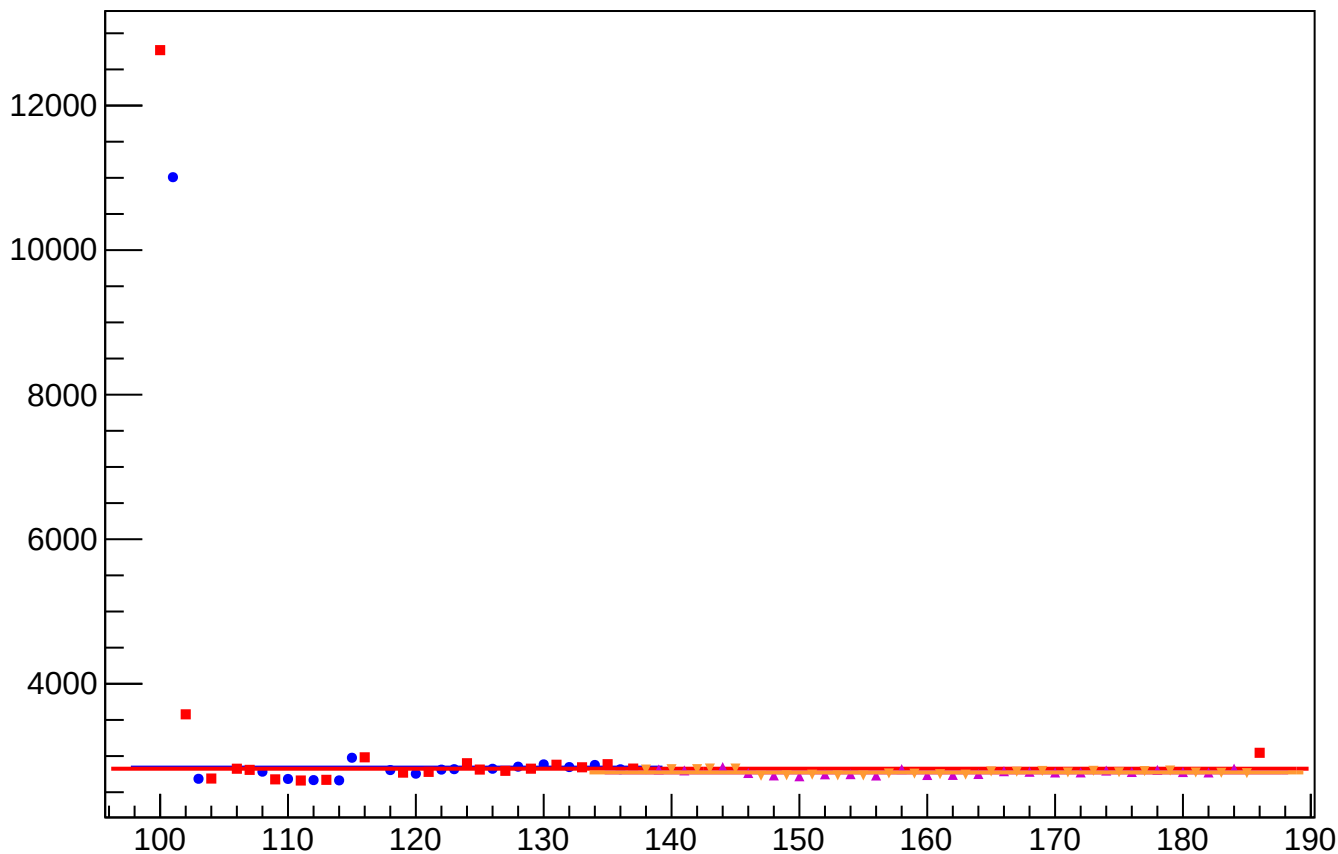
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF:35.2/22

+ sign 2416.848 $\pm$ 561.062 χ^2 /NDF: 49.0/41

All: -136.059 $\pm$ 396.891 χ^2 /NDF: 136.0/84

- sign -2693.091 $\pm$ 561.515 χ^2 /NDF: 45.6/42

reg_asym_atr1_rms vs Slug



Right In: 2840.326+/-0.800 χ^2/NDF : 660130.0/16

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

Right Out: 2825.128+/-0.742 χ^2/NDF : 137234.2/19

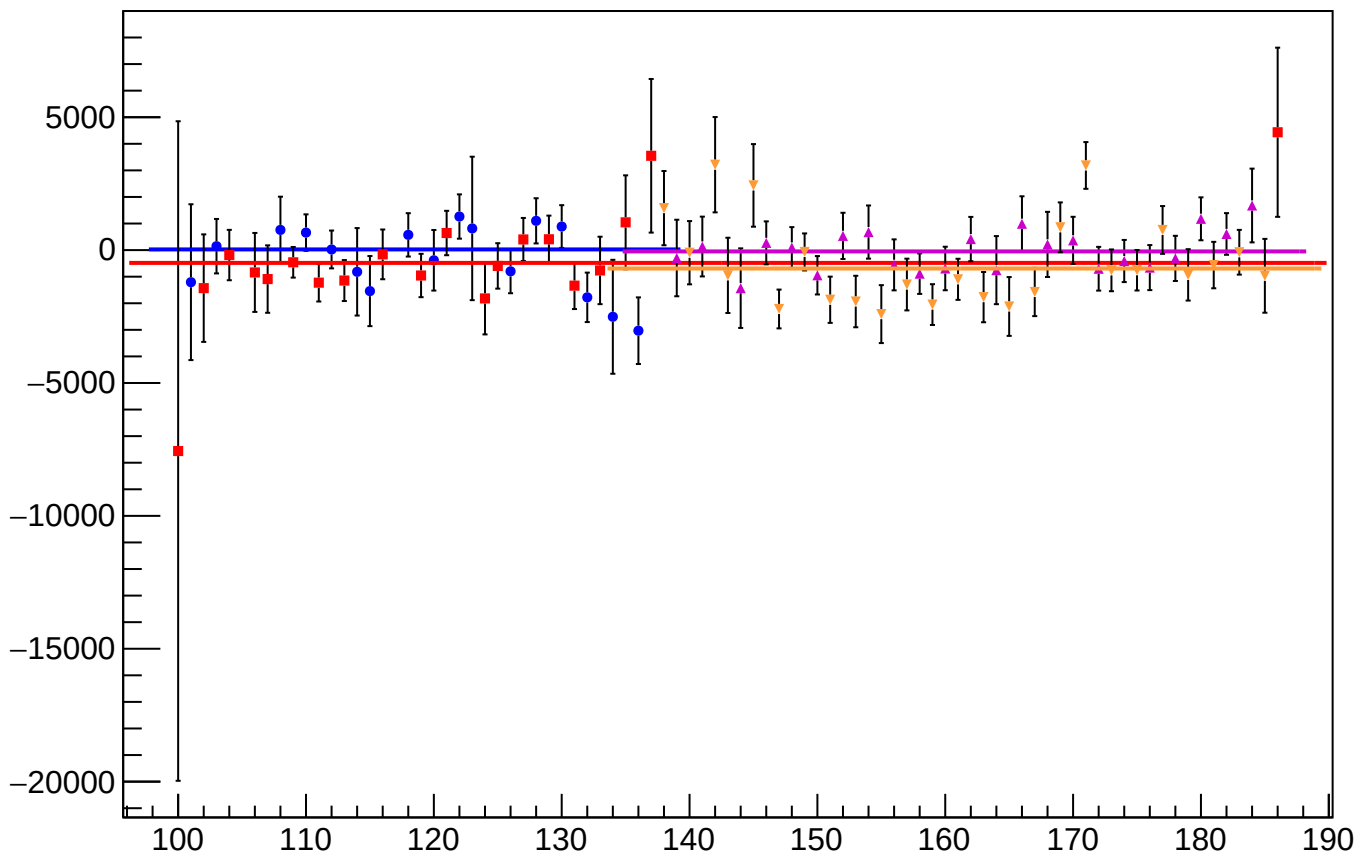
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2790.097+/-0.397 χ^2/NDF : 669975.0/41

All: 2789.376+/-0.281 χ^2/NDF : 815583.1/84

- sign 2788.653+/-0.397 χ^2/NDF : 145601.4/42

asym_atr1_correction_mean vs Slug



Right In: 25.744 ± 242.455 $\chi^2/\text{NDF}: 20.8/16$

Left Out: -692.808 ± 187.297 $\chi^2/\text{NDF}: 56.0/24$

Right Out: -480.988 ± 221.640 $\chi^2/\text{NDF}: 14.3/19$

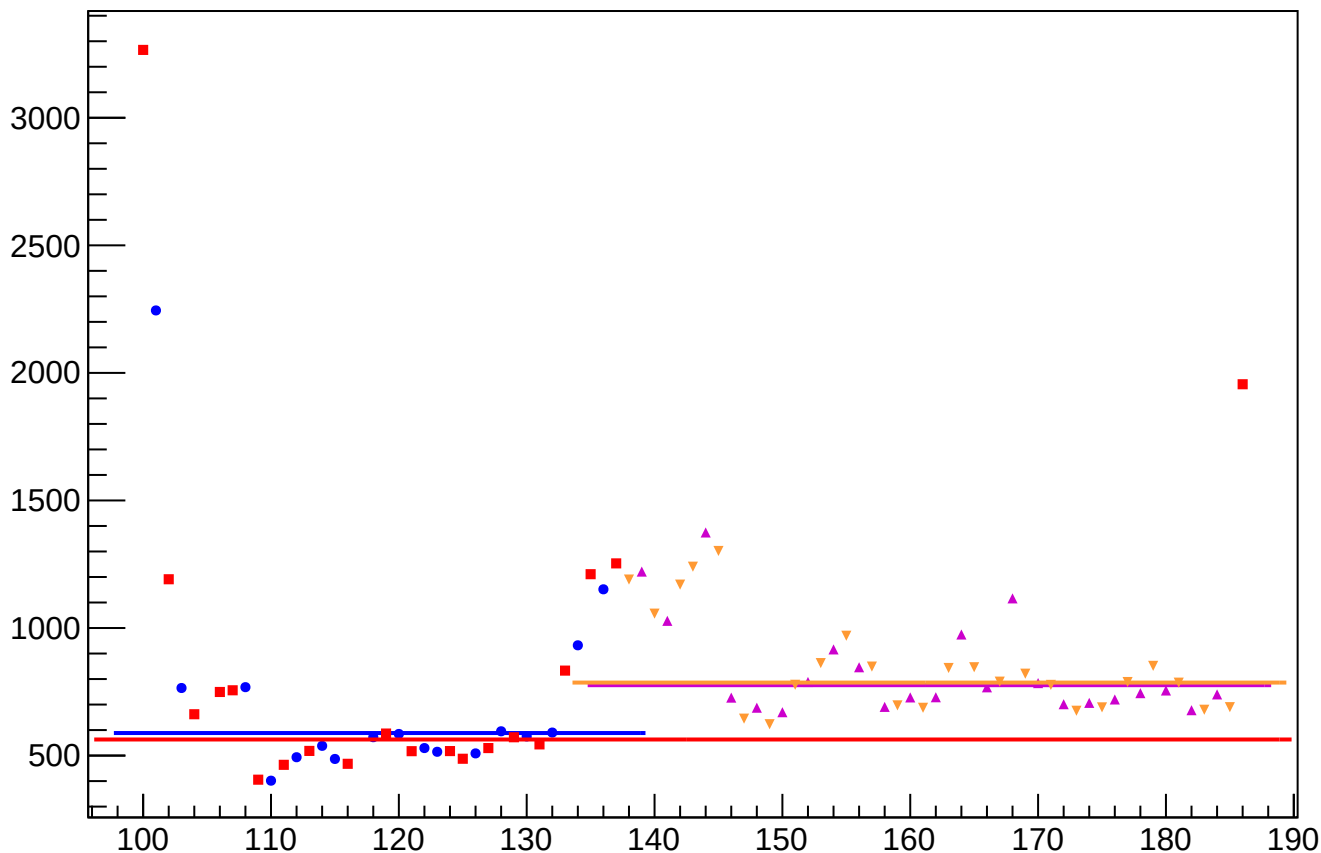
Left In: -49.244 ± 189.190 $\chi^2/\text{NDF}: 13.6/22$

+ sign -424.262 ± 148.222 $\chi^2/\text{NDF}: 82.3/41$

All: -324.886 ± 103.245 $\chi^2/\text{NDF}: 113.3/84$

- sign -231.225 ± 143.896 $\chi^2/\text{NDF}: 30.1/42$

asym_atr1_correction_rms vs Slug



Right In: 588.381+/-0.171 χ^2/NDF : 1423934.9/16

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

Right Out: 563.067+/-0.157 χ^2/NDF : 1489556.3/19

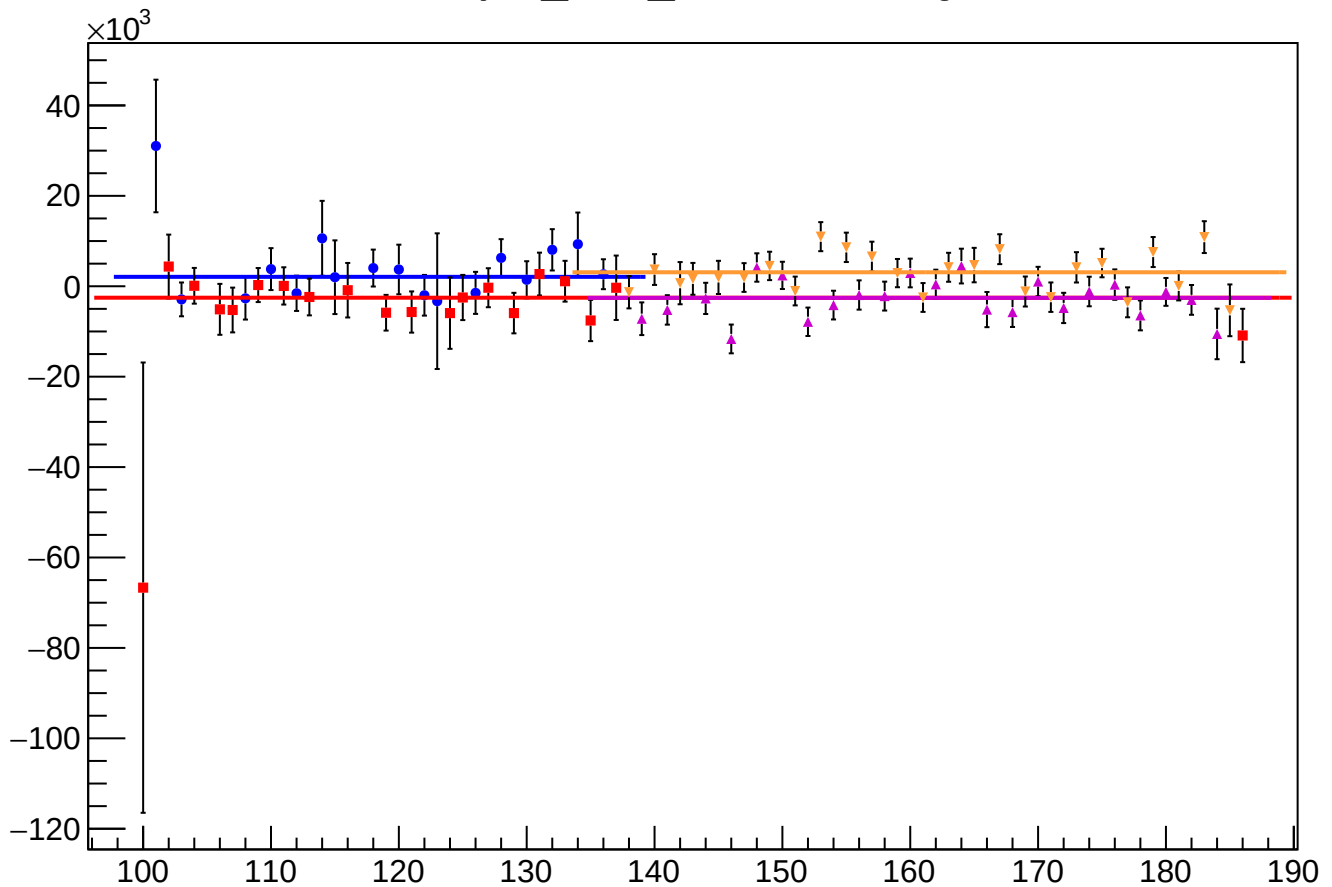
Left In: 775.930+/-0.134 χ^2/NDF :1056766.5/22

+ sign 712.252+/-0.105 χ^2/NDF : 3507050.3/41

All: 698.844+/-0.073 χ^2/NDF : 7152331.1/84

- sign 686.208+/-0.102 χ^2/NDF : 3613493.5/42

asym_atr1_mean vs Slug



Right In: 2083.008 $\pm$ 1167.281 χ^2 /NDF: 14.5/16

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

Right Out: -2531.723 $\pm$ 1093.758 χ^2 /NDF: 12.0/19

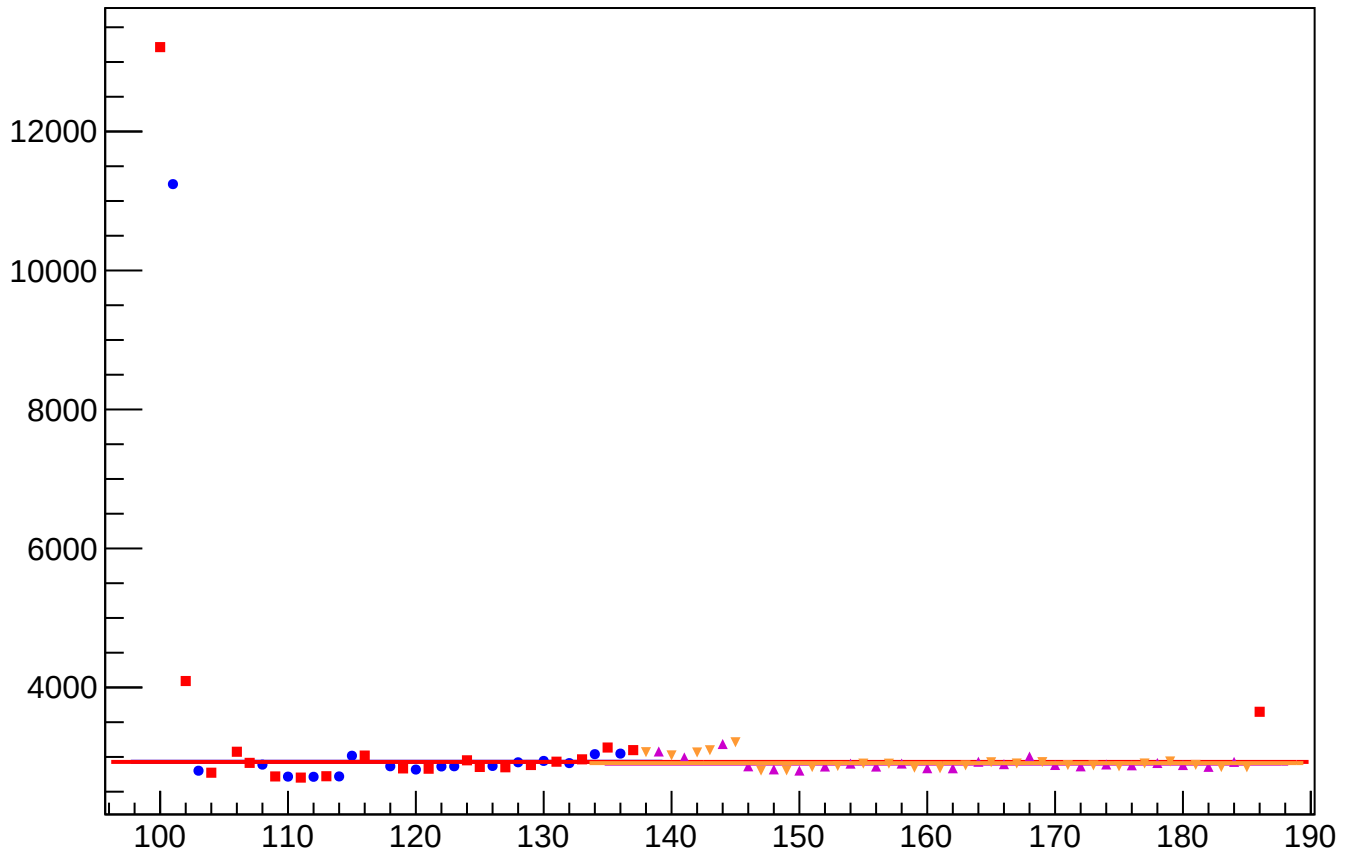
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2839.292 $\pm$ 586.608 χ^2 /NDF: 53.7/41

All: 141.161 $\pm$ 414.958 χ^2 /NDF: 143.7/84

- sign -2561.239 $\pm$ 587.072 χ^2 /NDF: 47.7/42

asym_atr1_rms vs Slug



Right In: 2930.563 $\pm$ 0.825 χ^2 /NDF: 662106.1/16

Left Out: 2911.226 $\pm$ 0.480 χ^2 /NDF: 36644.3/24

Right Out: 2928.434 $\pm$ 0.773 χ^2 /NDF: 200395.5/19

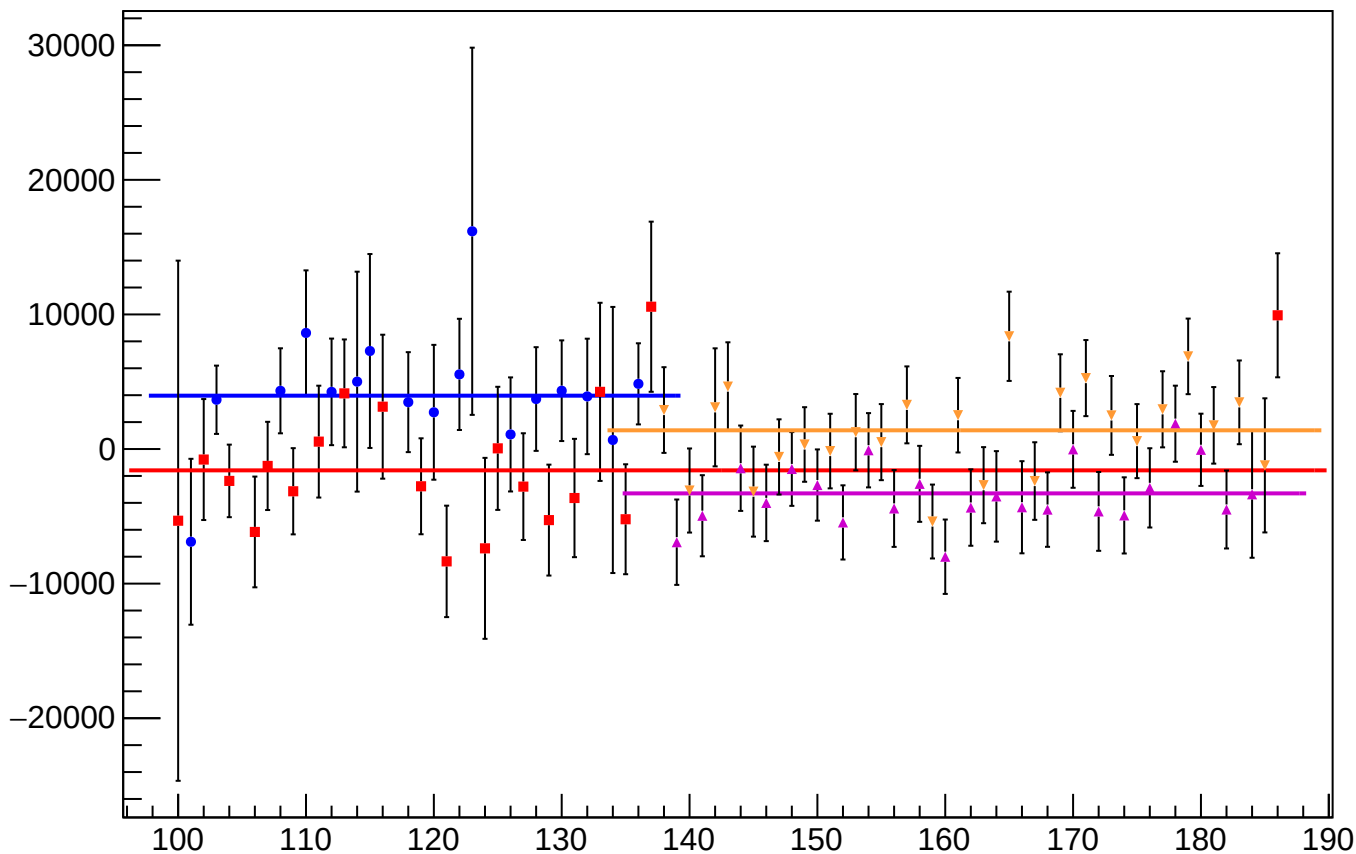
Left In: 2903.411 $\pm$ 0.492 χ^2 /NDF: 28838.5/22

+ sign 2916.109 $\pm$ 0.415 χ^2 /NDF: 699160.7/41

All: 2913.367 $\pm$ 0.293 χ^2 /NDF: 929227.5/84

- sign 2910.620 $\pm$ 0.415 χ^2 /NDF: 229979.3/42

reg_asym_atr2_mean vs Slug



Right In: 3964.122+/-1014.452 χ^2/NDF : 6.1/16

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

Right Out: -1584.905+/-940.358 χ^2/NDF : 21.0/19

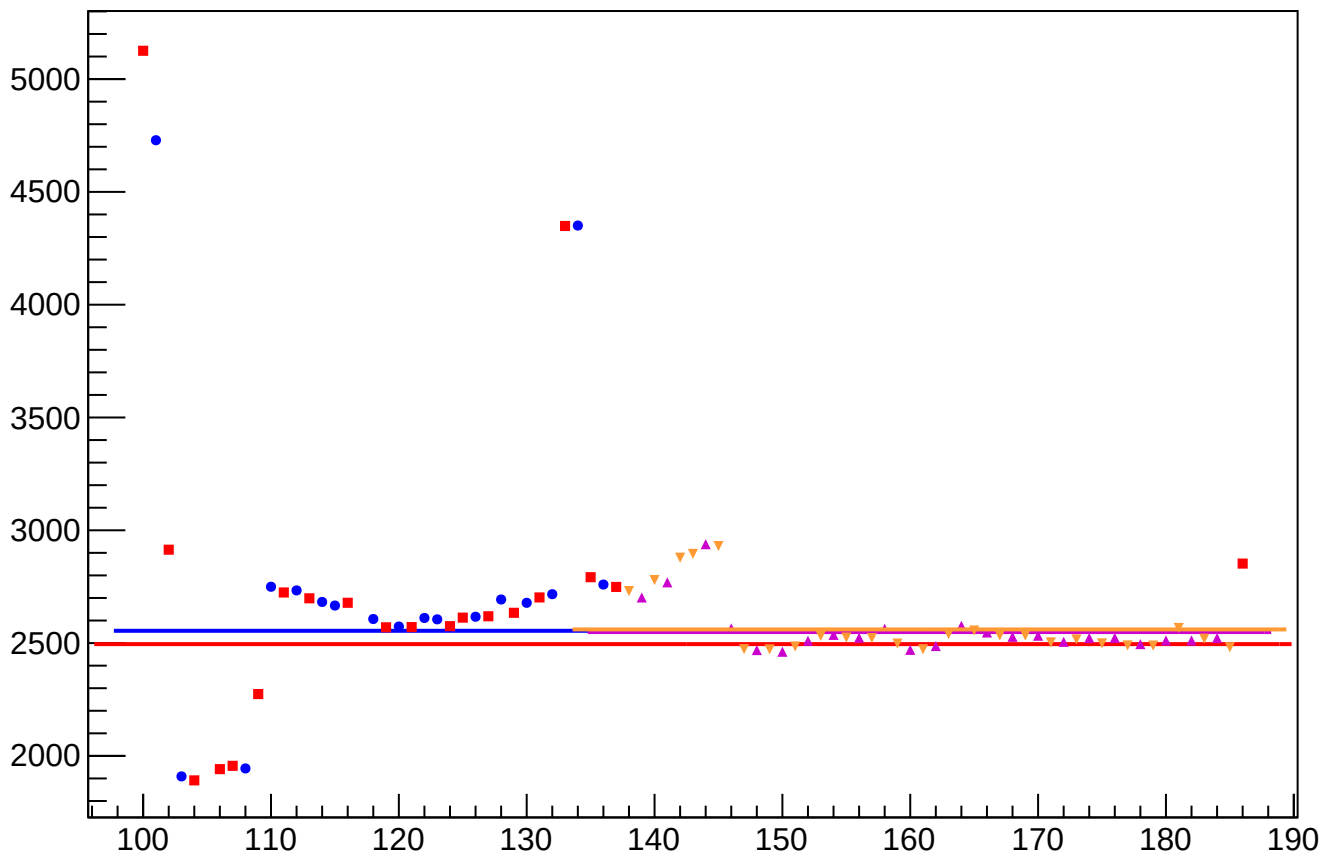
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2051.569+/-514.207 χ^2/NDF : 40.0/41

All: -380.191+/-362.728 χ^2/NDF : 122.7/84

- sign -2788.790+/-511.752 χ^2/NDF : 38.2/42

reg_asym_atr2_rms vs Slug



Right In: 2554.506 $\pm$ 0.717 χ^2 /NDF: 545770.3/16

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

Right Out: 2495.463 $\pm$ 0.665 χ^2 /NDF: 462831.7/19

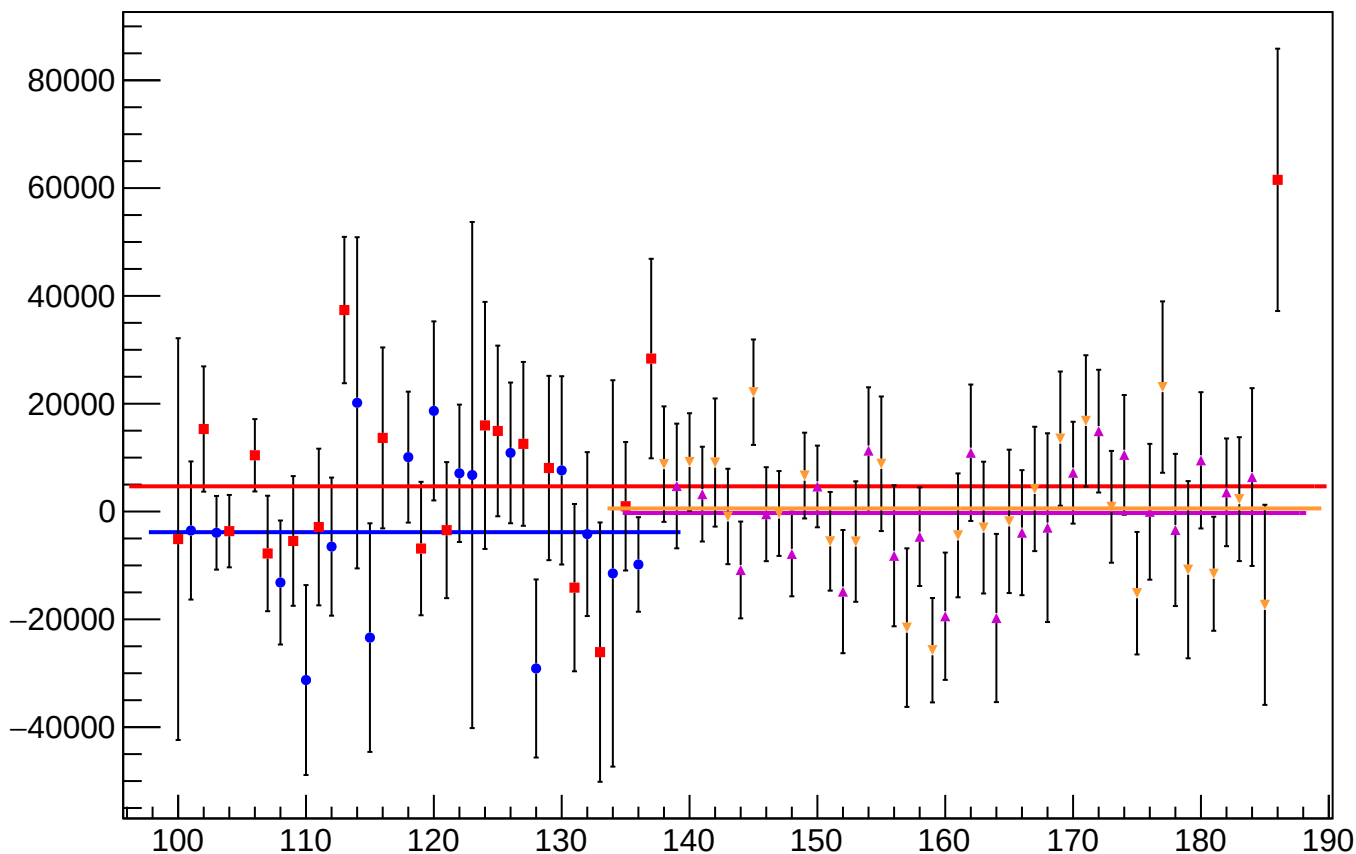
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2558.983 $\pm$ 0.364 χ^2 /NDF: 632594.2/41

All: 2545.956 $\pm$ 0.256 χ^2 /NDF: 1157787.8/84

- sign 2533.053 $\pm$ 0.362 χ^2 /NDF: 522638.4/42

asym_atr2_correction_mean vs Slug



Right In: -3830.114 ± 3234.150 χ^2/NDF : 13.1/16

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

Right Out: 4675.713 ± 2819.178 χ^2/NDF : 24.1/19

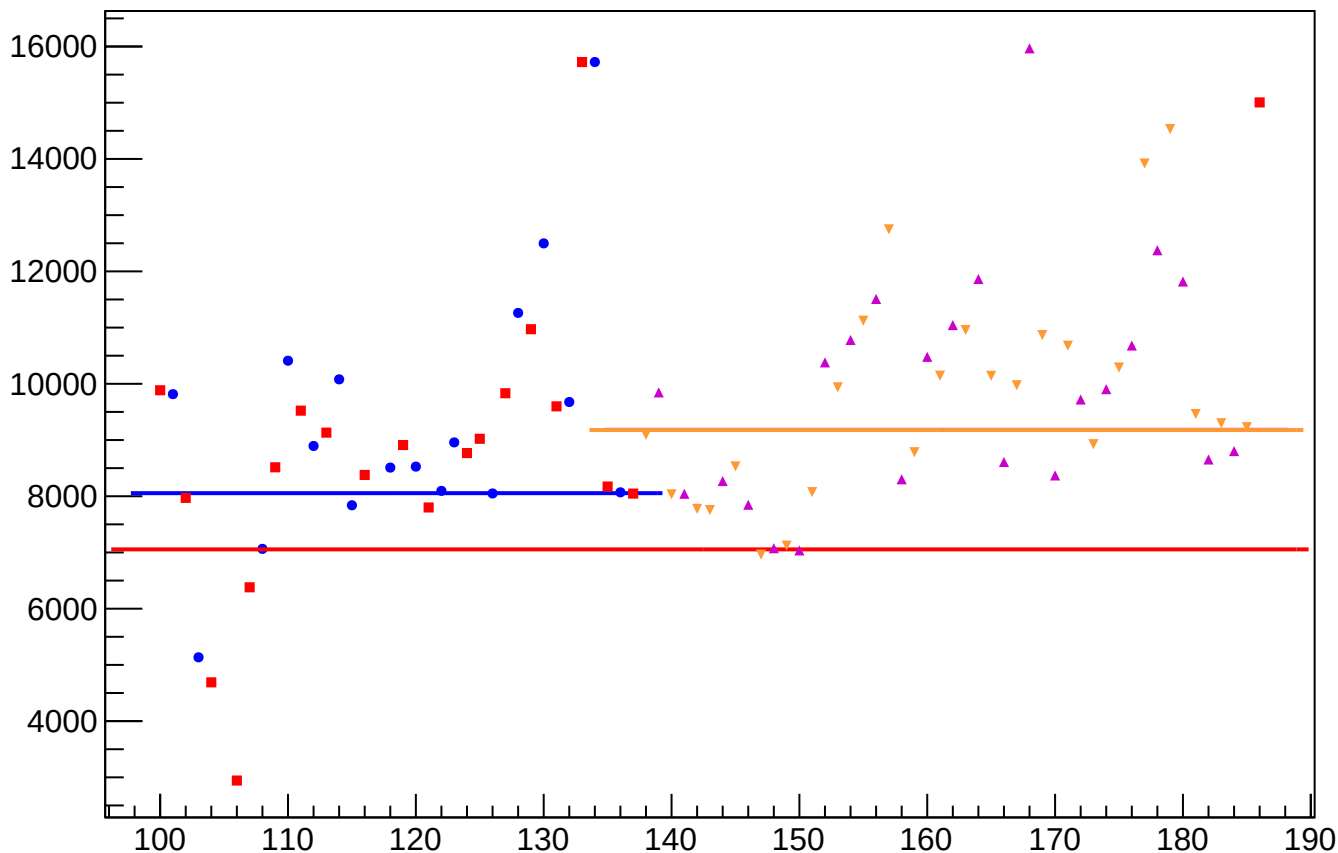
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -806.726 ± 1810.173 χ^2/NDF : 42.6/41

All: 456.360 ± 1260.083 χ^2/NDF : 85.3/84

- sign 1643.829 ± 1755.152 χ^2/NDF : 41.7/42

asym_atr2_correction_rms vs Slug



Right In: 8054.857+/-2.287 χ^2/NDF : 795337.9/16

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

Right Out: 7054.907+/-1.993 χ^2/NDF : 1993113.0/19

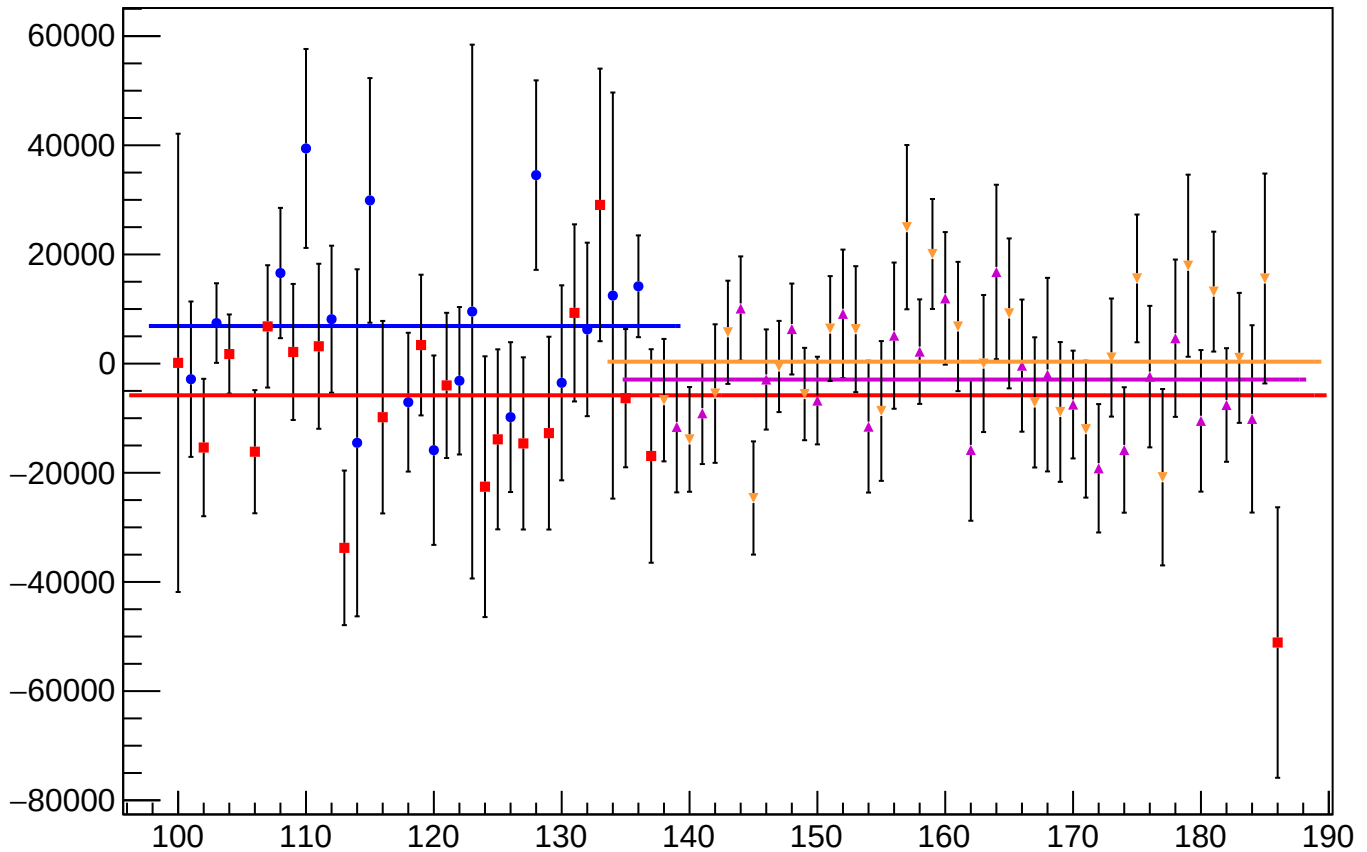
Left In: 9181.254+/-1.586 χ^2/NDF : 1236469.7/22

+ sign 8825.938+/-1.280 χ^2/NDF : 2137081.6/41

All: 8584.275+/-0.891 χ^2/NDF : 6132589.3/84

- sign 8357.080+/-1.241 χ^2/NDF : 3926350.1/42

asym_atr2_mean vs Slug



Right In: 6886.765 $\pm$ 3417.693 χ^2 /NDF: 14.3/16

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

Right Out: -5801.956 $\pm$ 3147.597 χ^2 /NDF: 16.7/19

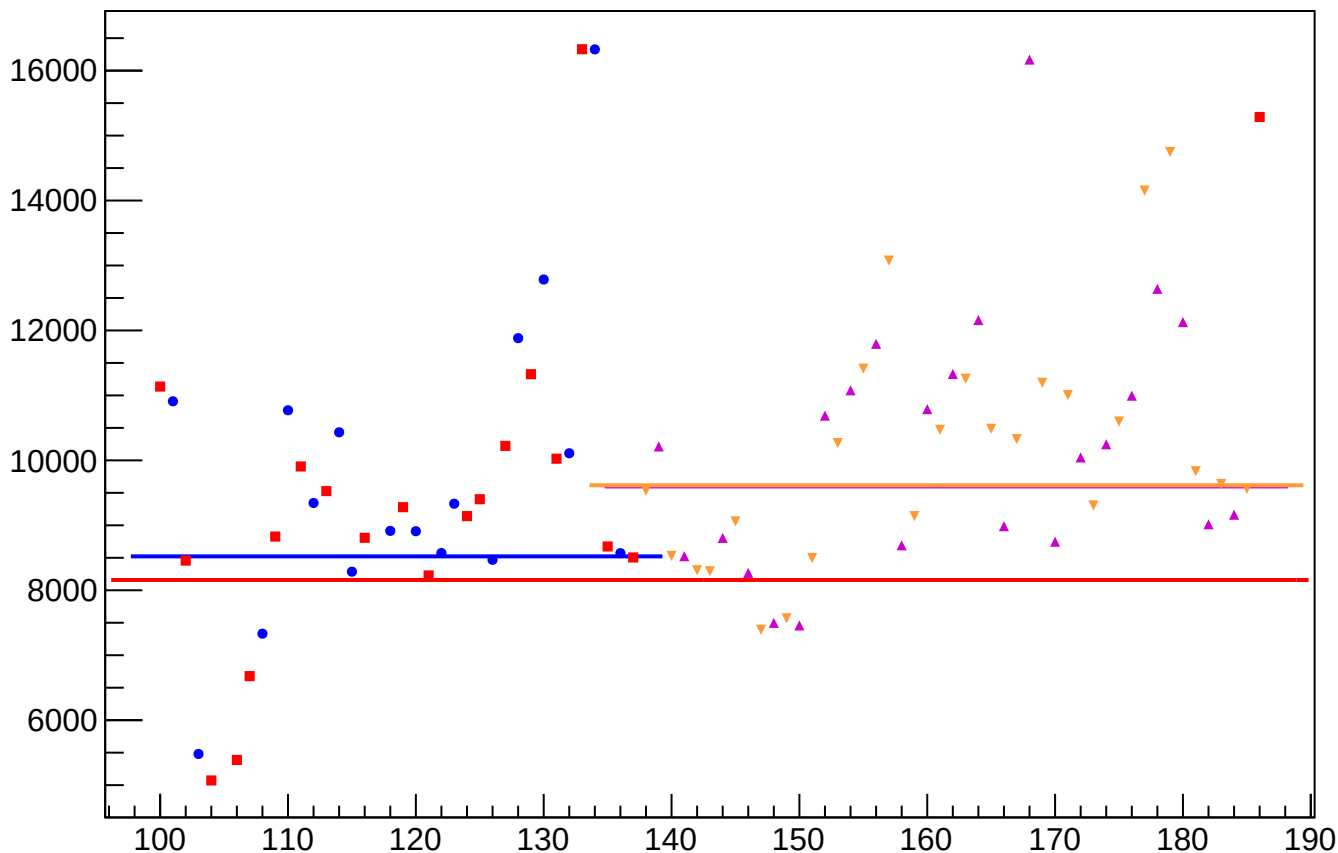
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 2369.203 $\pm$ 1897.649 χ^2 /NDF: 43.1/41

All: -821.694 $\pm$ 1334.521 χ^2 /NDF: 80.8/84

- sign -3943.910 $\pm$ 1877.115 χ^2 /NDF: 32.2/42

asym_atr2_rms vs Slug



Right In: 8521.835 $\pm$ 2.417 χ^2 /NDF: 769872.2/16

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

Right Out: 8158.433 $\pm$ 2.226 χ^2 /NDF: 1121466.2/19

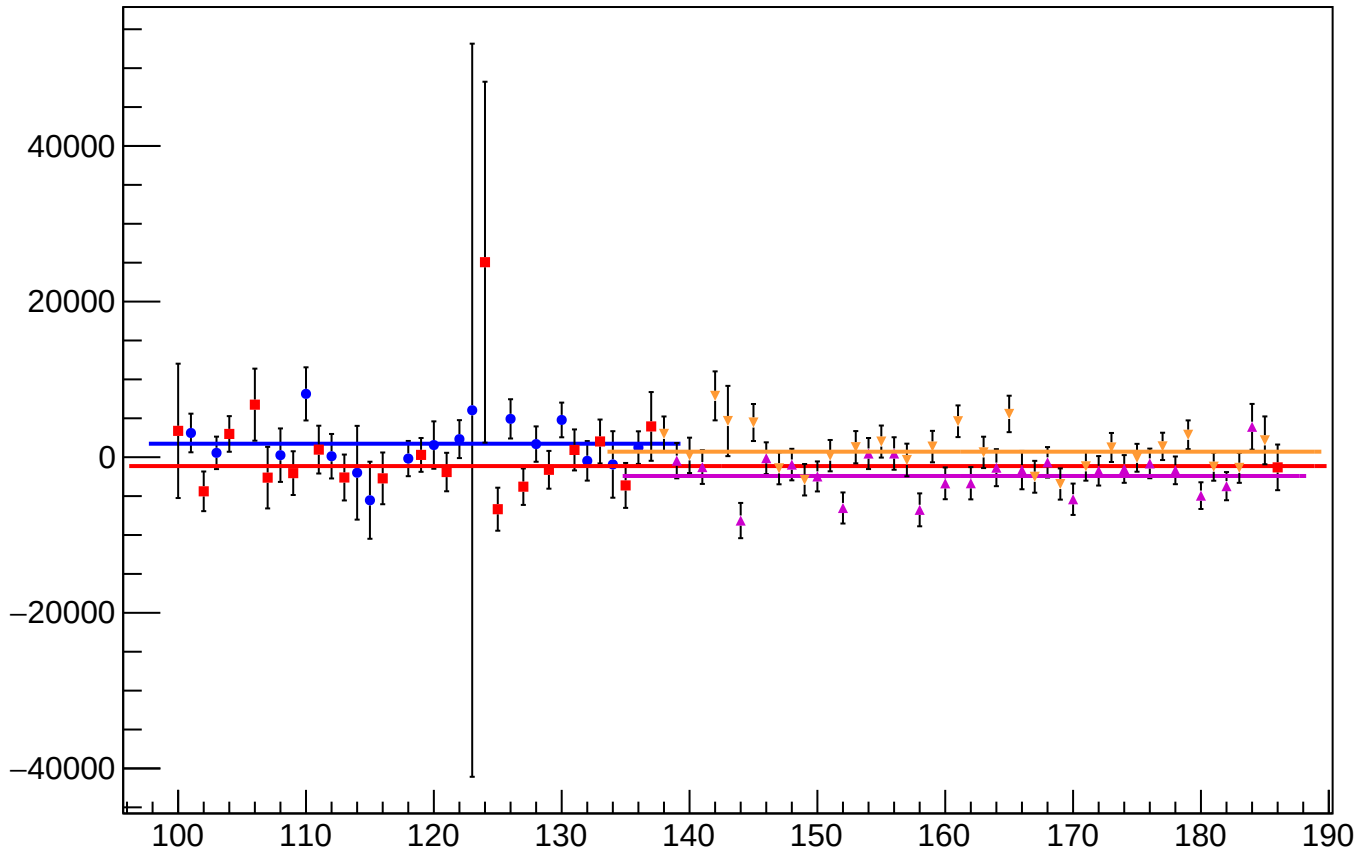
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF:1082171.6/22

+ sign 9278.845 $\pm$ 1.342 χ^2 /NDF: 1923393.1/41

All: 9181.542 $\pm$ 0.944 χ^2 /NDF: 4407206.2/84

- sign 9086.336 $\pm$ 1.327 χ^2 /NDF: 2473409.8/42

reg_asym_atl_avg_mean vs Slug



Right In: 1733.256 ± 672.118 χ^2/NDF : 12.6/16

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

Right Out: -1140.480 ± 656.050 χ^2/NDF : 20.3/19

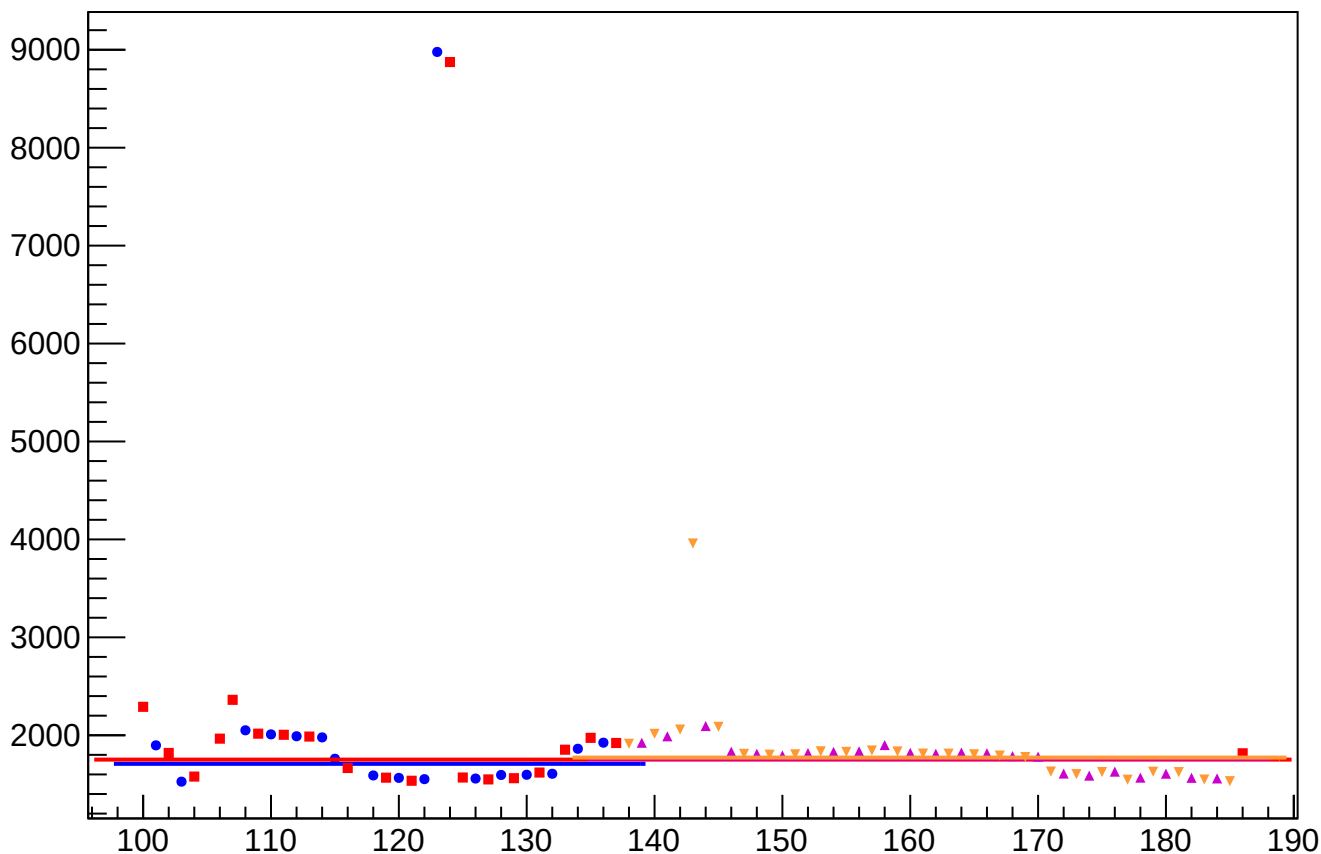
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 994.577 ± 354.573 χ^2/NDF : 49.1/41

All: -517.503 ± 251.150 χ^2/NDF : 142.6/84

- sign -2039.973 ± 355.789 χ^2/NDF : 57.0/42

reg_asym_atl_avg_rms vs Slug



Right In: 1708.196 $\pm$ 0.475 χ^2 /NDF: 195783.3/16

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

Right Out: 1751.433 $\pm$ 0.462 χ^2 /NDF: 397373.1/19

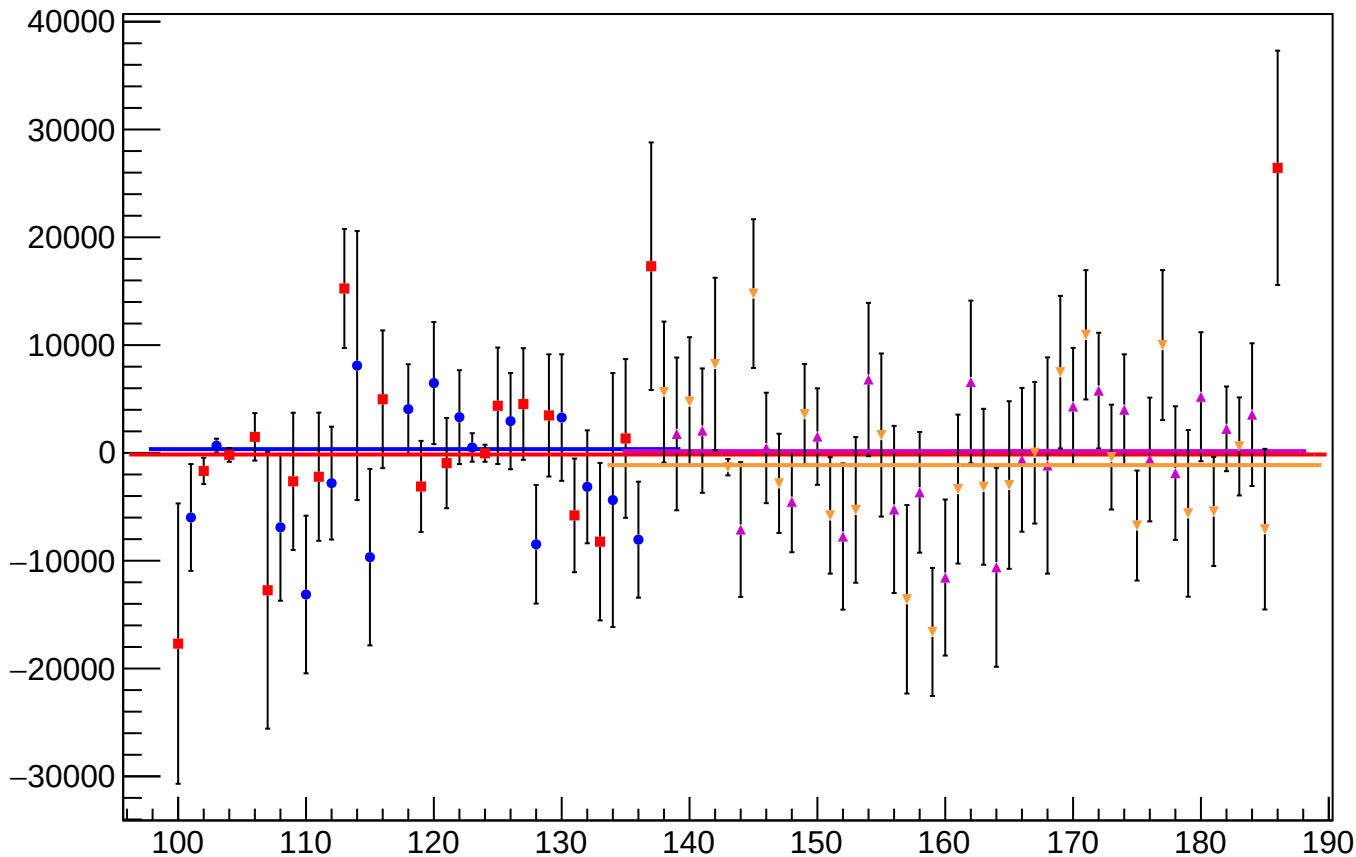
Left In: 1759.600 $\pm$ 0.299 χ^2 /NDF: 214891.5/22

+ sign 1754.276 $\pm$ 0.251 χ^2 /NDF: 911281.6/41

All: 1755.726 $\pm$ 0.177 χ^2 /NDF: 1523833.4/84

- sign 1757.183 $\pm$ 0.251 χ^2 /NDF: 612484.7/42

asym_atl_avg_correction_mean vs Slug



Right In: 350.603 $\pm$ 540.664 χ^2 /NDF: 17.3/16

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

Right Out: -145.898 $\pm$ 433.328 χ^2 /NDF: 26.8/19

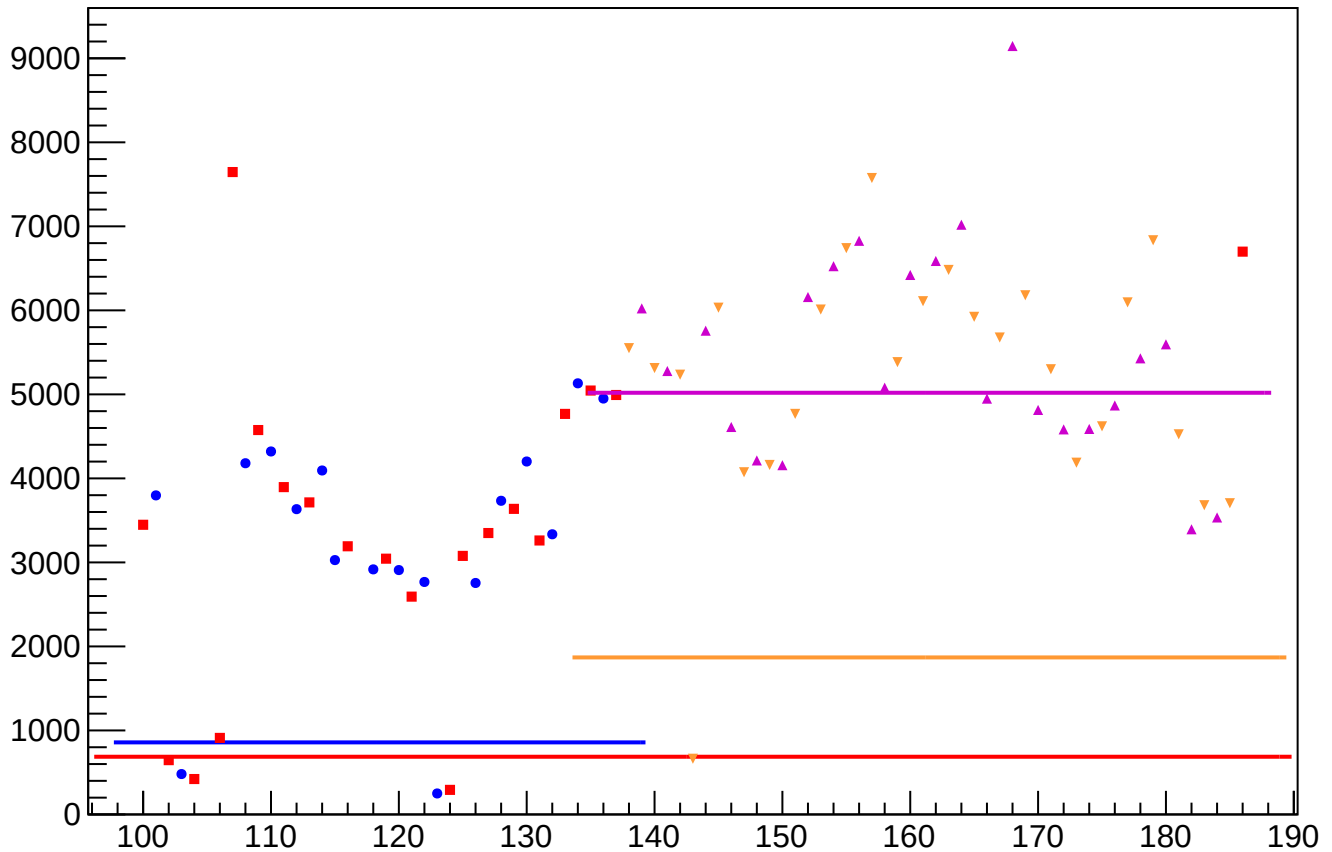
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -257.446 $\pm$ 415.035 χ^2 /NDF: 51.9/41

All: -183.287 $\pm$ 291.243 χ^2 /NDF: 92.9/84

- sign -111.341 $\pm$ 408.795 χ^2 /NDF: 41.0/42

asym_atl_avg_correction_rms vs Slug



Right In: 857.789 $\pm$ 0.382 χ^2 /NDF: 8126360.1/16

Left Out: 1868.983 $\pm$ 0.458 χ^2 /NDF: 19852416.6/24

Right Out: 686.937 $\pm$ 0.306 χ^2 /NDF: 8970045.1/19

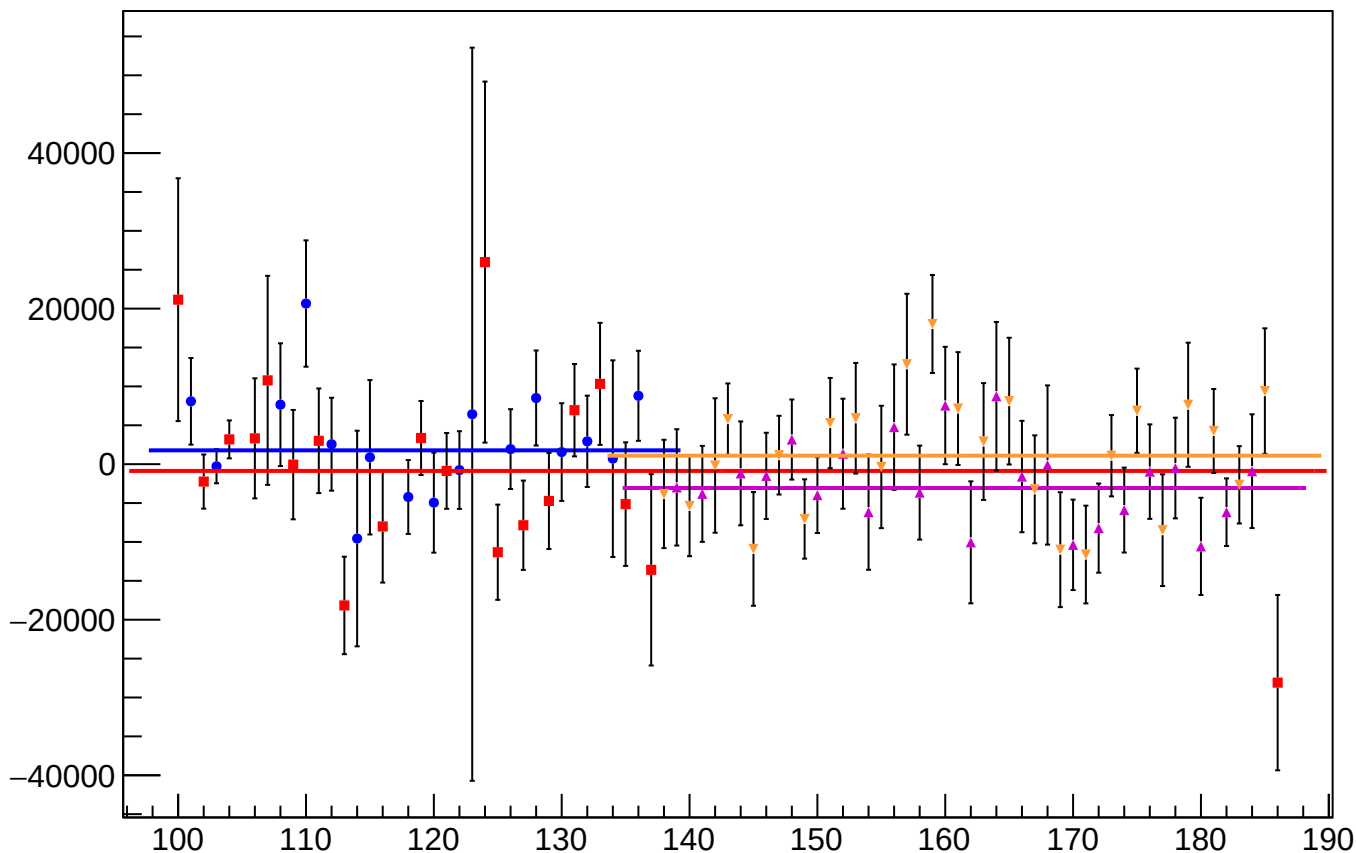
Left In: 5019.114 $\pm$ 0.871 χ^2 /NDF: 1569031.9/22

+ sign 1273.117 $\pm$ 0.293 χ^2 /NDF: 30852205.0/41

All: 1217.526 $\pm$ 0.206 χ^2 /NDF: 63456158.3/8

- sign 1163.594 $\pm$ 0.289 χ^2 /NDF: 32533261.2/42

asym_atl_avg_mean vs Slug



Right In: 1778.180+/-1313.267 χ^2/NDF : 14.5/16

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

Right Out: -868.289+/-1280.089 χ^2/NDF : 32.8/19

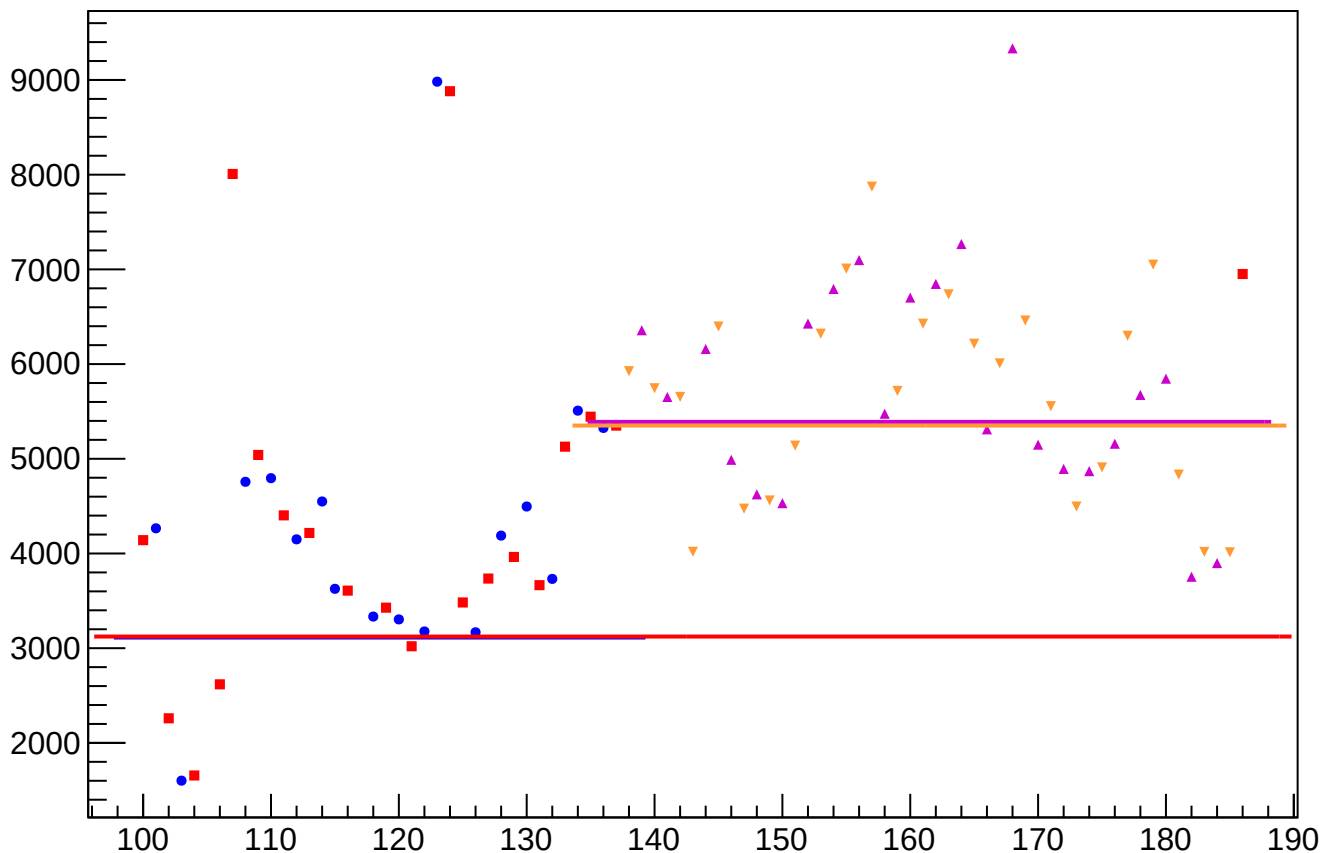
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1425.634+/-914.093 χ^2/NDF : 46.6/41

All: -246.588+/-647.853 χ^2/NDF : 100.1/84

- sign -1934.344+/-918.328 χ^2/NDF : 46.8/42

asym_atl_avg_rms vs Slug



Right In: 3112.592 $\pm$ 0.929 χ^2 /NDF: 1882559.8/16

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

Right Out: 3122.919 $\pm$ 0.892 χ^2 /NDF: 2240688.5/19

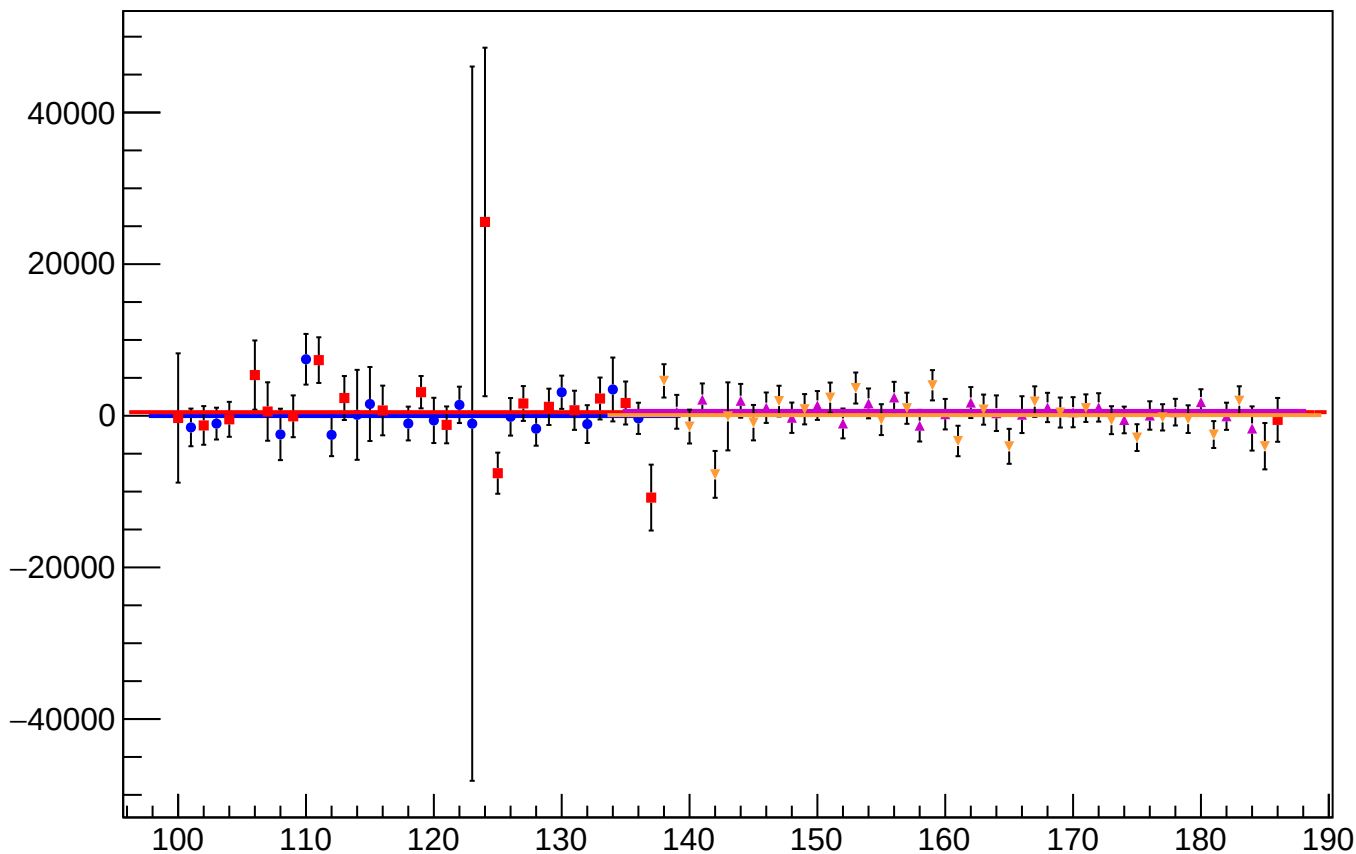
Left In: 5389.724 $\pm$ 0.932 χ^2 /NDF:1309863.0/22

+ sign 4266.433 $\pm$ 0.646 χ^2 /NDF: 6118910.1/41

All: 4236.507 $\pm$ 0.456 χ^2 /NDF: 12760289.4/8

- sign 4206.751 $\pm$ 0.645 χ^2 /NDF: 6637104.3/42

reg_asym_atl_dd_mean vs Slug



Right In: -38.244 ± 662.838 χ^2/NDF : 11.1/16

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

Right Out: 476.623 ± 646.443 χ^2/NDF : 27.2/19

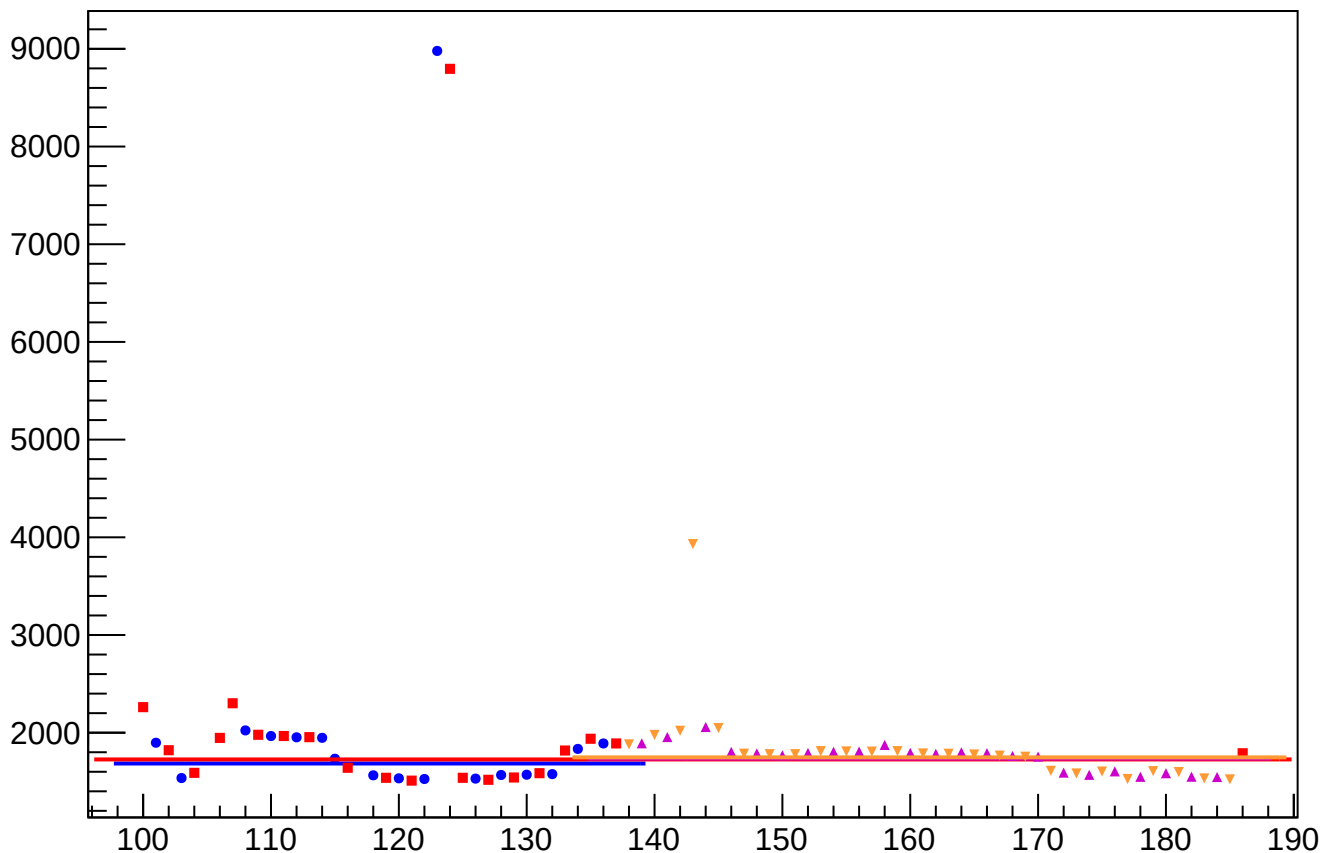
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign 51.587 ± 349.626 χ^2/NDF : 47.2/41

All: 320.914 ± 247.637 χ^2/NDF : 81.8/84

- sign 592.054 ± 350.801 χ^2/NDF : 33.5/42

reg_asym_atl_dd_rms vs Slug



Right In: 1684.672 $\pm$ 0.469 χ^2 /NDF: 194019.0/16

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

Right Out: 1726.317 $\pm$ 0.455 χ^2 /NDF: 393557.1/19

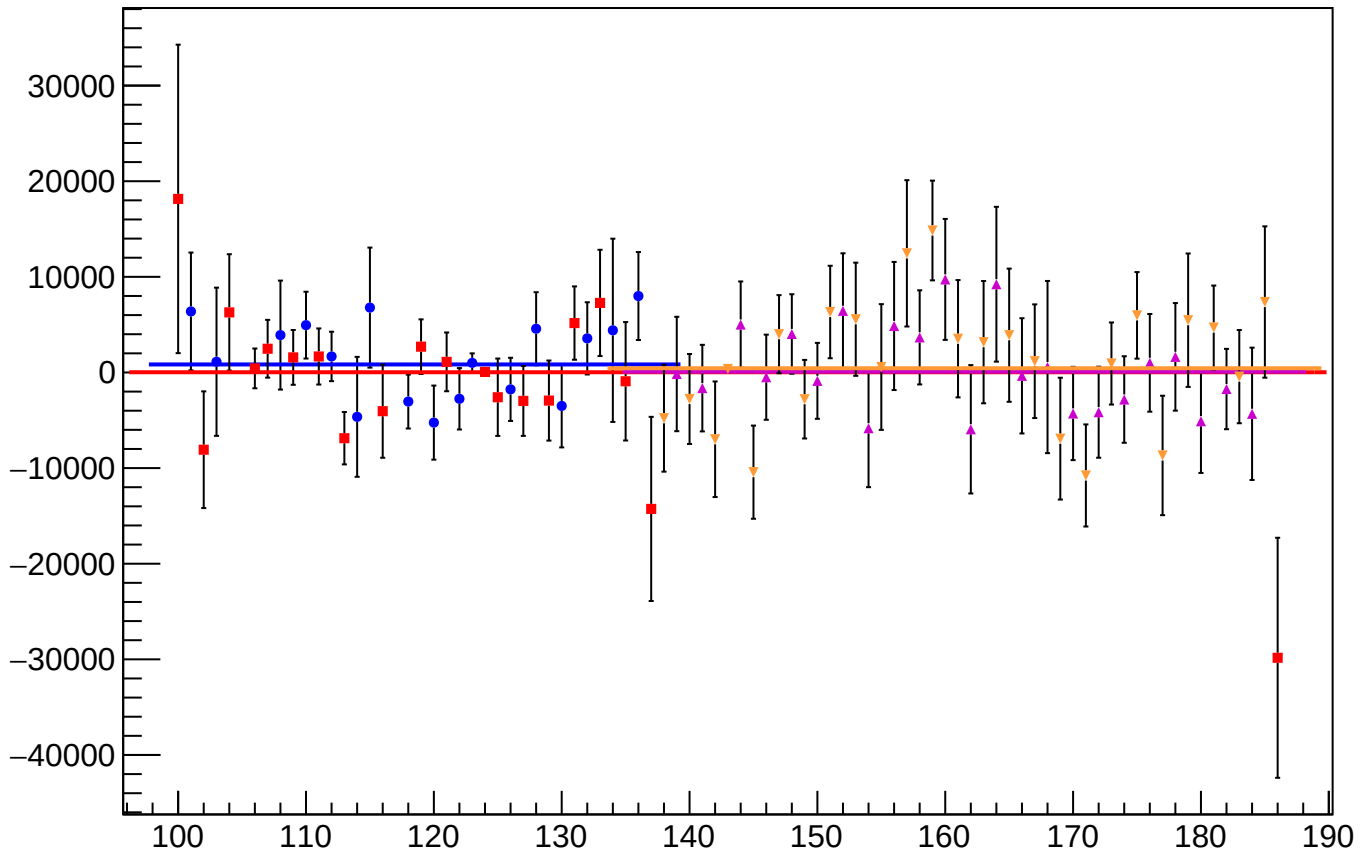
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1729.890 $\pm$ 0.247 χ^2 /NDF: 905106.7/41

All: 1731.346 $\pm$ 0.175 χ^2 /NDF: 1505789.0/84

- sign 1732.808 $\pm$ 0.248 χ^2 /NDF: 600612.7/42

asym_atl_dd_correction_mean vs Slug



Right In: 838.236 $\pm$ 706.837 χ^2 /NDF: 15.6/16

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

Right Out: 23.336 $\pm$ 357.163 χ^2 /NDF: 26.4/19

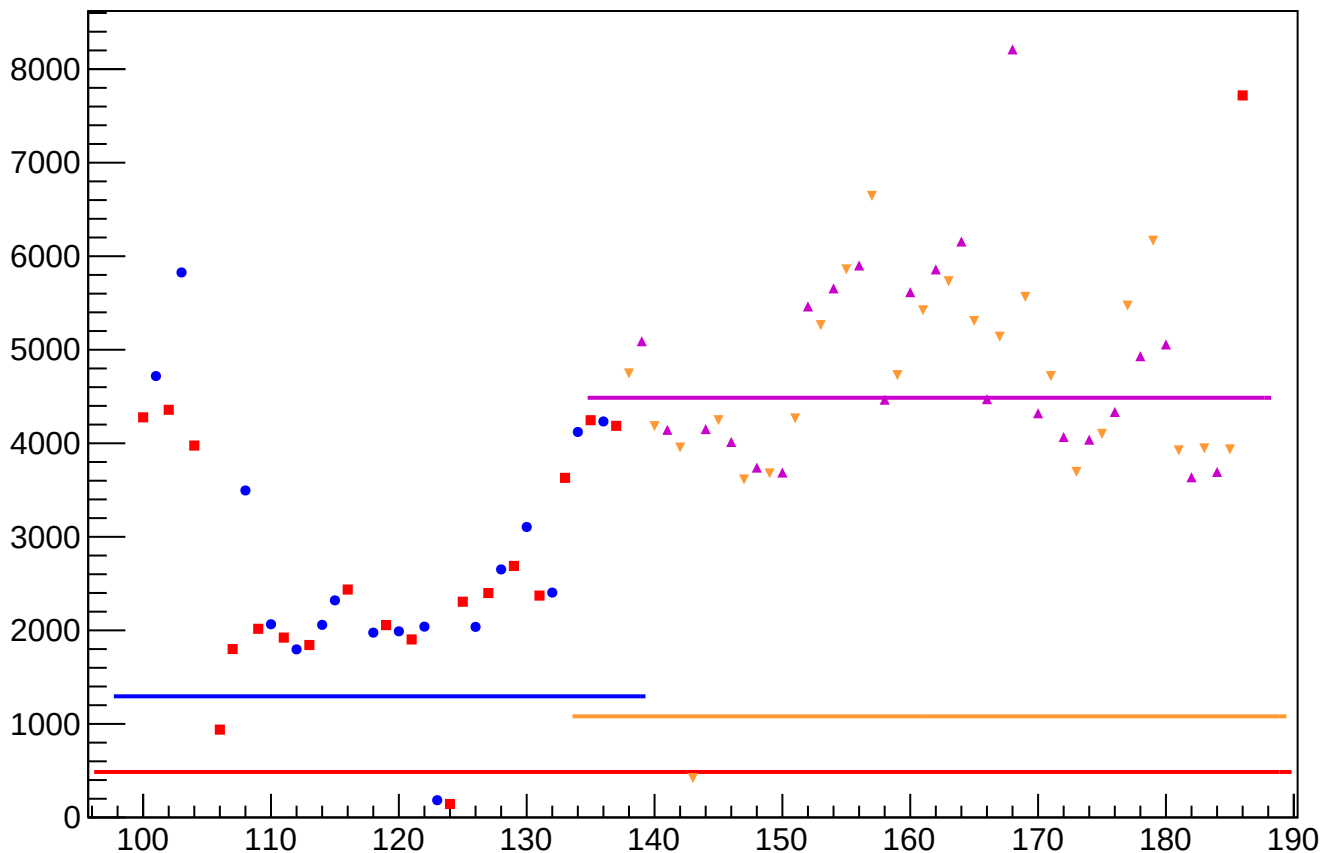
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 552.916 $\pm$ 373.744 χ^2 /NDF: 49.7/41

All: 266.232 $\pm$ 251.320 χ^2 /NDF: 90.6/84

- sign 29.605 $\pm$ 339.551 χ^2 /NDF: 39.9/42

asym_atl_dd_correction_rms vs Slug



Right In: 1295.065+/-0.500 χ^2/NDF : 6509427.9/16

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

Right Out: 486.265+/-0.253 χ^2/NDF : 10781408.1/19

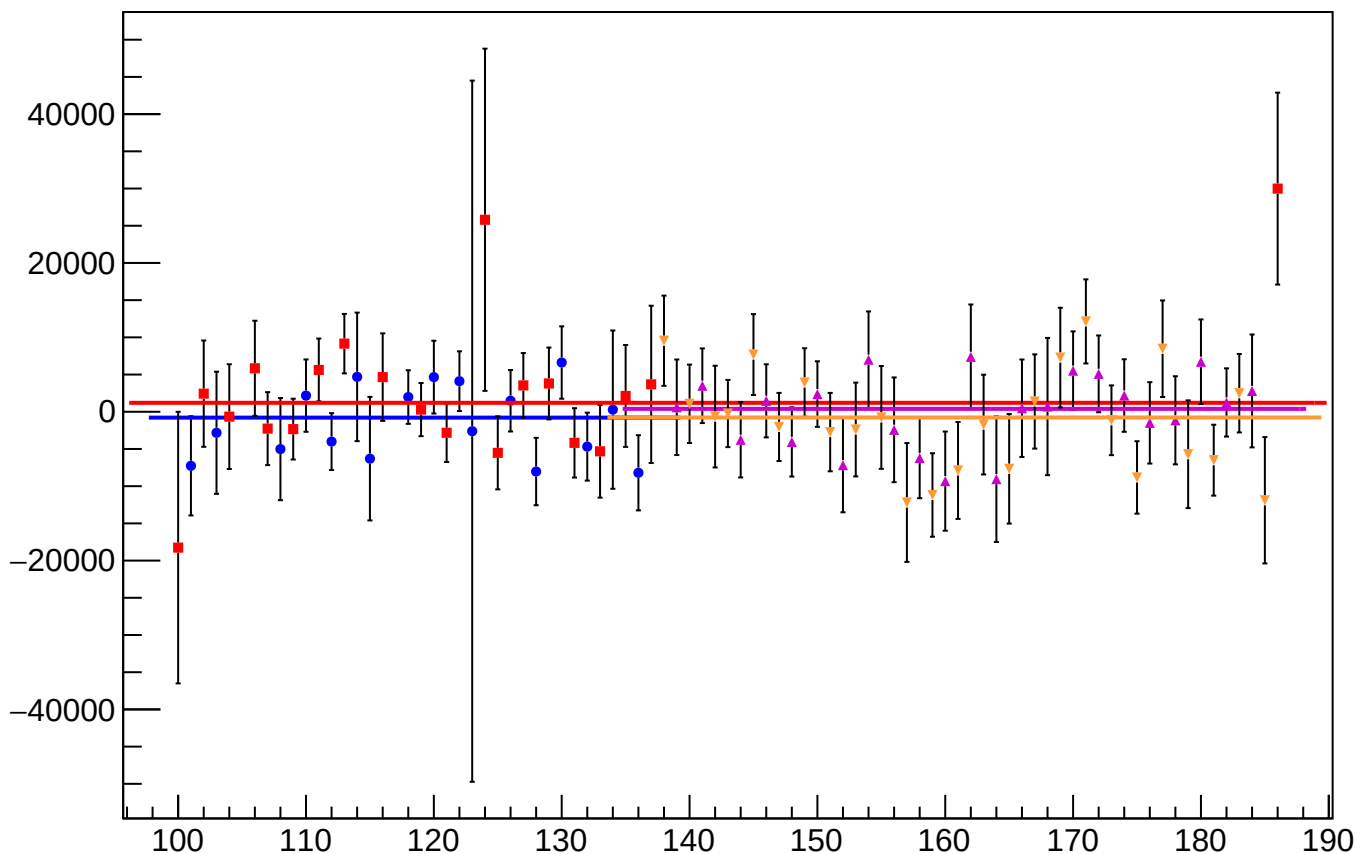
Left In: 4486.570+/-0.774 χ^2/NDF :1181598.1/22

+ sign 1140.852+/-0.264 χ^2/NDF : 31097816.9/41

All: 993.040+/-0.178 χ^2/NDF : 67763967.6/84

- sign 871.038+/-0.240 χ^2/NDF : 36095129.0/42

asym_atl_dd_mean vs Slug



Right In: -786.677 $\pm$ 1265.533 χ^2 /NDF: 14.7/16

Left Out: -766.008 $\pm$ 1147.372 χ^2 /NDF: 29.9/24

Right Out: 1204.259 $\pm$ 1189.090 χ^2 /NDF: 20.6/19

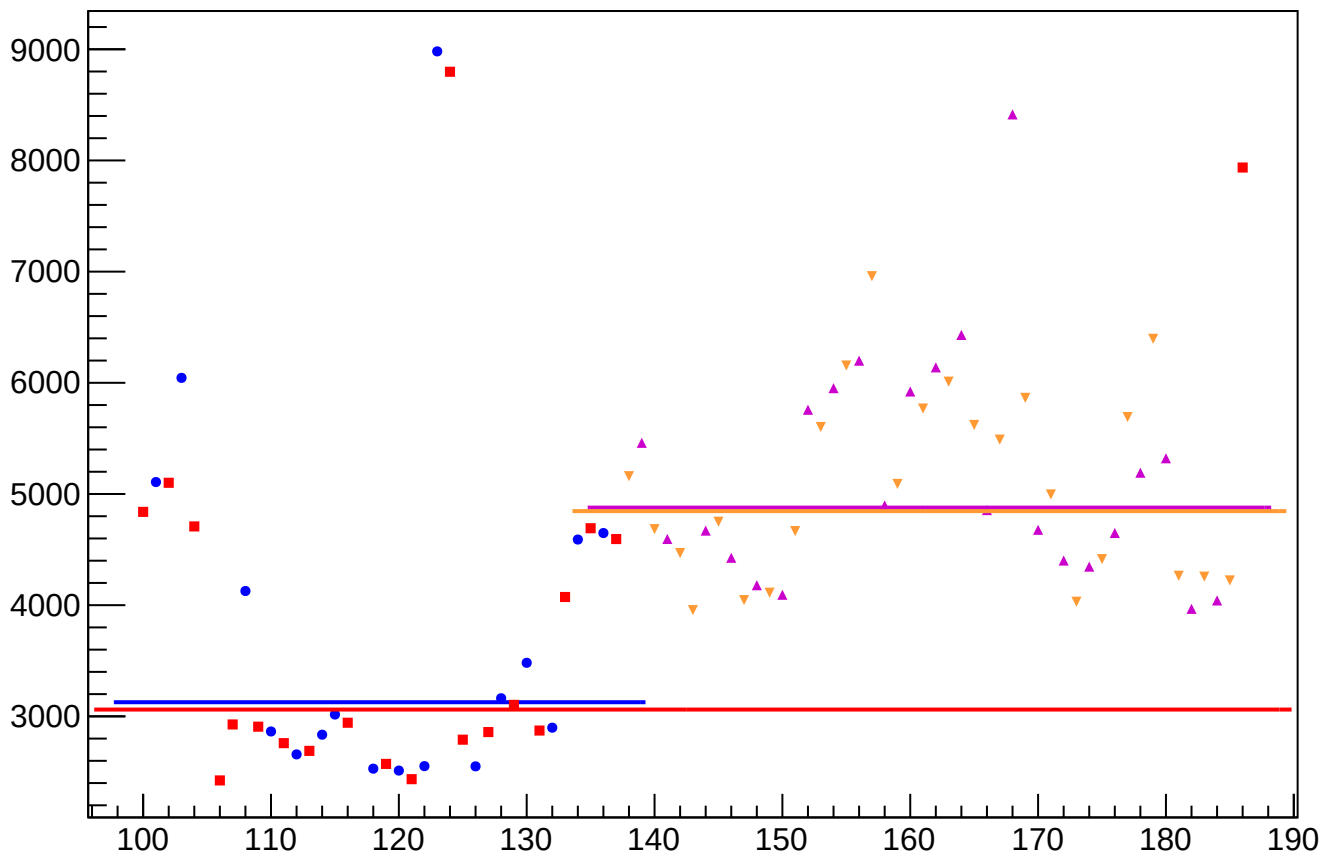
Left In: 388.944 $\pm$ 1186.300 χ^2 /NDF: 14.2/22

+ sign -775.333 $\pm$ 850.026 χ^2 /NDF: 44.6/41

All: 19.638 $\pm$ 597.420 χ^2 /NDF: 81.4/84

- sign 795.643 $\pm$ 839.825 χ^2 /NDF: 35.0/42

asym_atl_dd_rms vs Slug



Right In: 3127.109+/-0.895 χ^2/NDF : 942783.2/16

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

Right Out: 3061.122+/-0.830 χ^2/NDF : 1079678.2/19

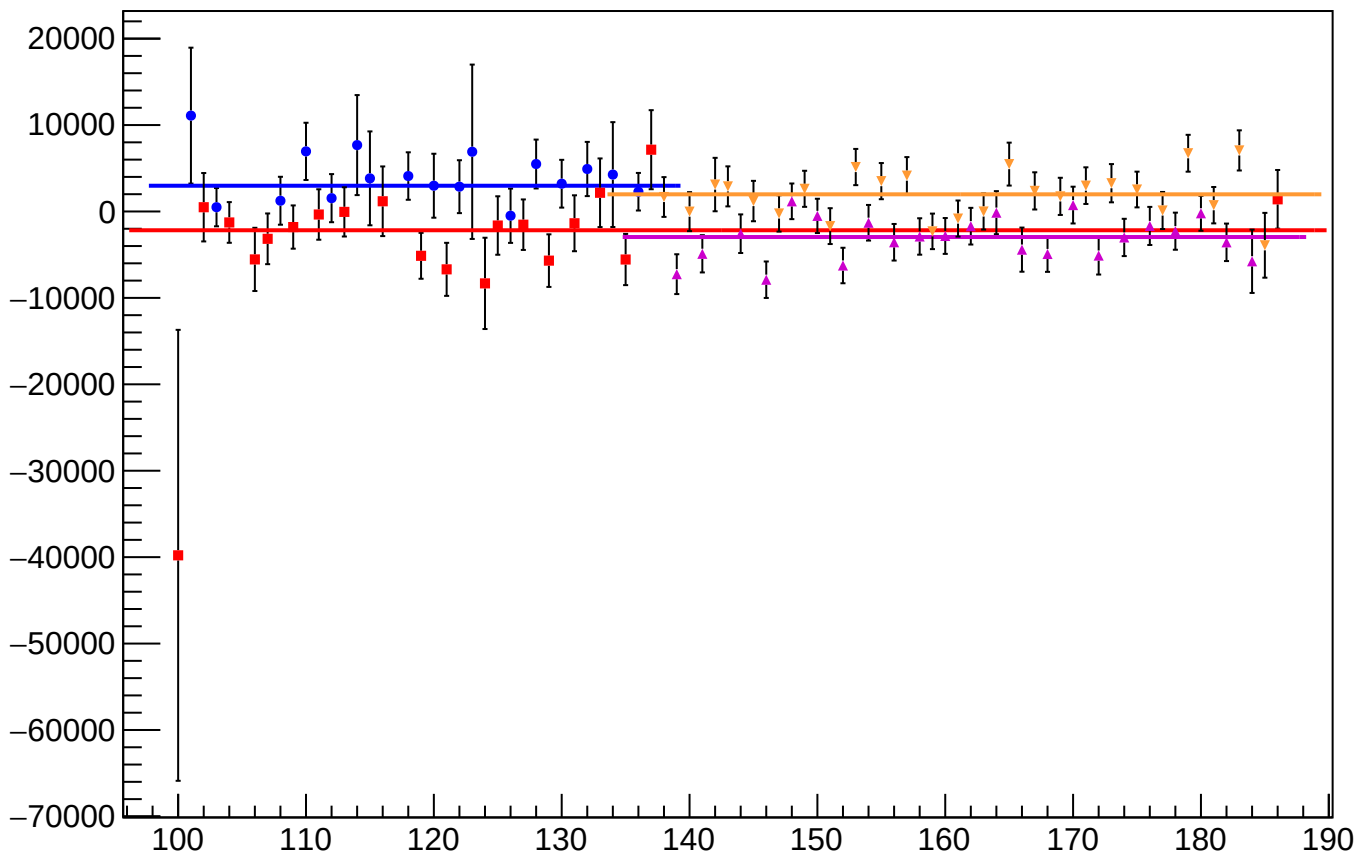
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4070.402+/-0.601 χ^2/NDF : 3876498.9/41

All: 4014.229+/-0.421 χ^2/NDF : 8299967.9/84

- sign 3960.079+/-0.590 χ^2/NDF : 4406315.0/42

reg_asym_atr_avg_mean vs Slug



Right In: 2978.237 $\pm$ 777.589 χ^2 /NDF: 8.0/16

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

Right Out: -2173.612 $\pm$ 725.081 χ^2 /NDF: 19.3/19

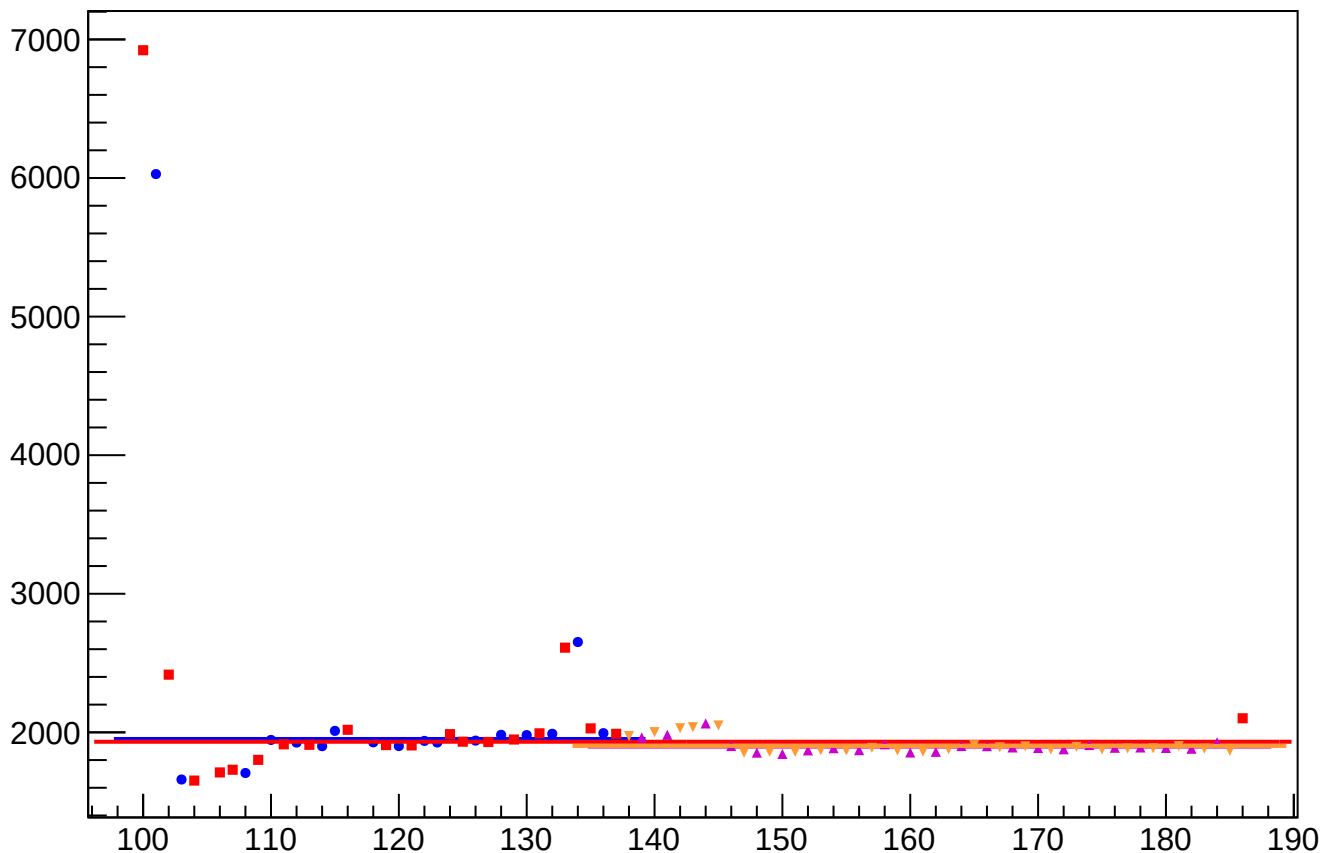
Left In: -2955.900 $\pm$ 454.551 χ^2 /NDF:28.4/22

+ sign 2228.892 $\pm$ 385.041 χ^2 /NDF: 41.6/41

All: -252.581 $\pm$ 272.296 χ^2 /NDF: 173.3/84

- sign -2735.197 $\pm$ 385.129 χ^2 /NDF: 48.6/42

reg_asym_atr_avg_rms vs Slug



Right In: 1952.104 $\pm$ 0.550 χ^2 /NDF: 617388.5/16

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

Right Out: 1932.064 $\pm$ 0.512 χ^2 /NDF: 222710.2/19

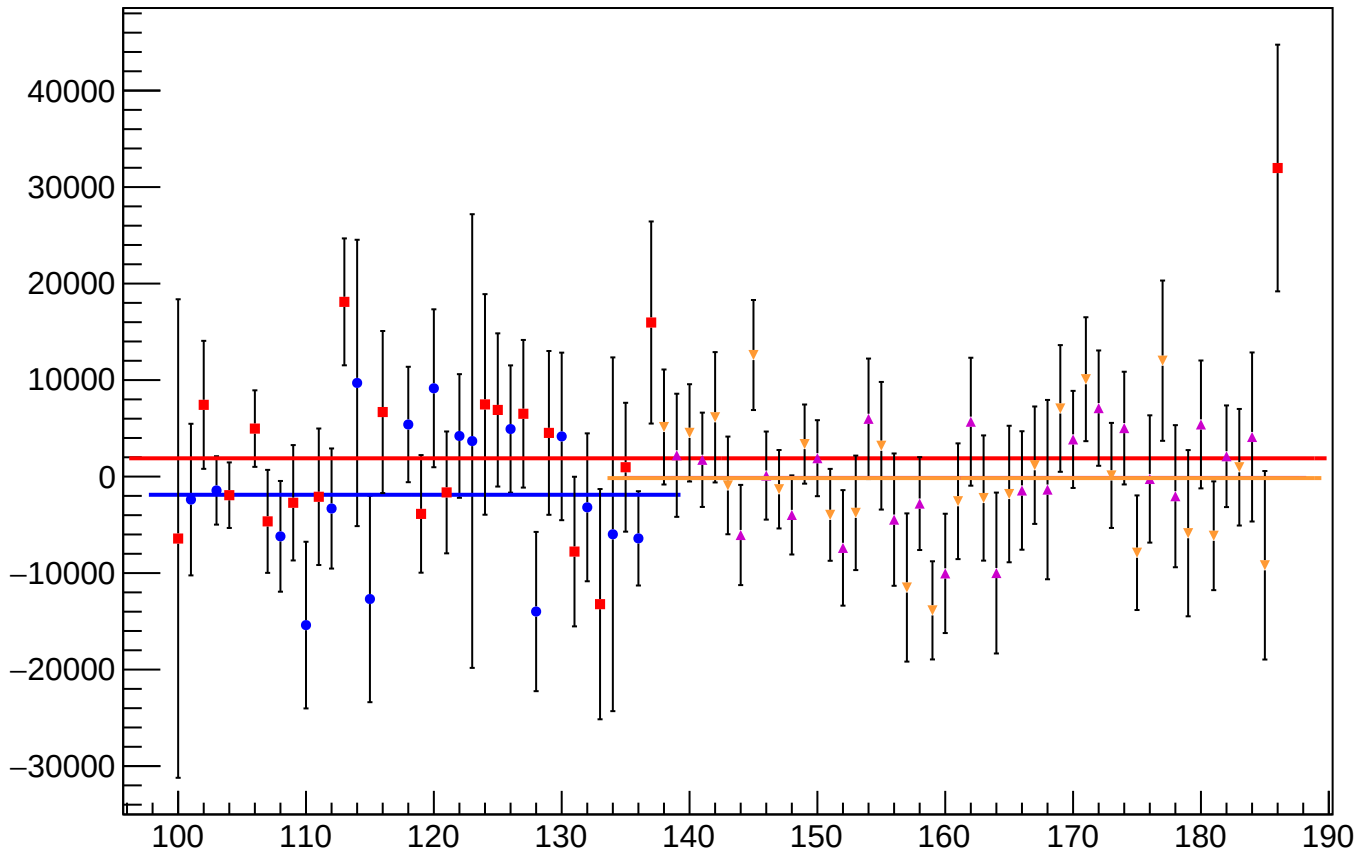
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF:21180.1/22

+ sign 1914.198 $\pm$ 0.272 χ^2 /NDF: 654132.3/41

All: 1910.723 $\pm$ 0.192 χ^2 /NDF: 901629.6/84

- sign 1907.251 $\pm$ 0.272 χ^2 /NDF: 247171.6/42

asym_atr_avg_correction_mean vs Slug



Right In: -1885.502 ± 1665.011 χ^2/NDF : 13.6/16

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

Right Out: 1894.104 ± 1469.831 χ^2/NDF : 24.3/19

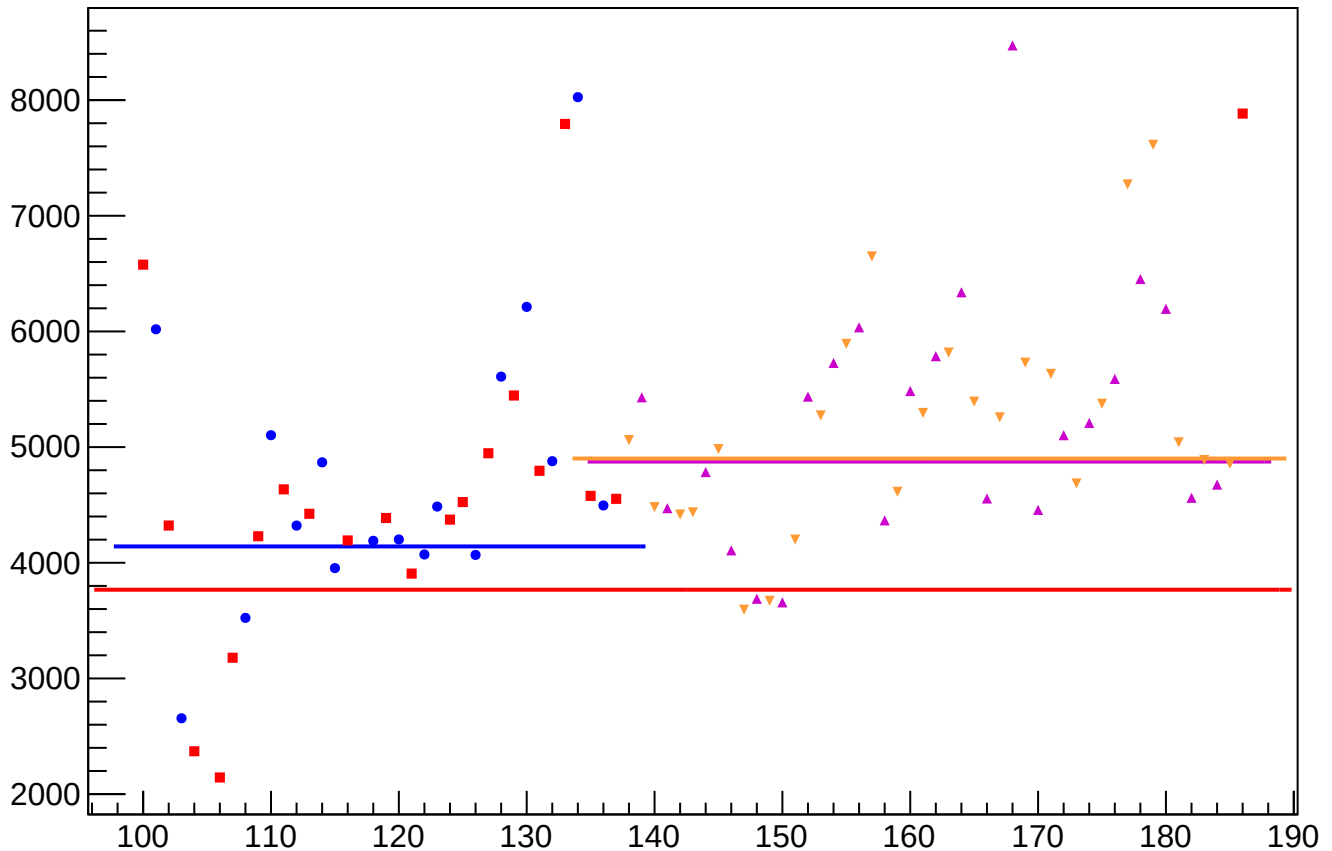
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -726.015 ± 955.006 χ^2/NDF : 43.8/41

All: -7.645 ± 664.539 χ^2/NDF : 85.1/84

- sign 666.725 ± 925.297 χ^2/NDF : 40.2/42

asym_atr_avg_correction_rms vs Slug



Right In: 4141.263+/-1.177 χ^2/NDF : 818140.6/16

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

Right Out: 3767.121+/-1.039 χ^2/NDF : 1486938.9/19

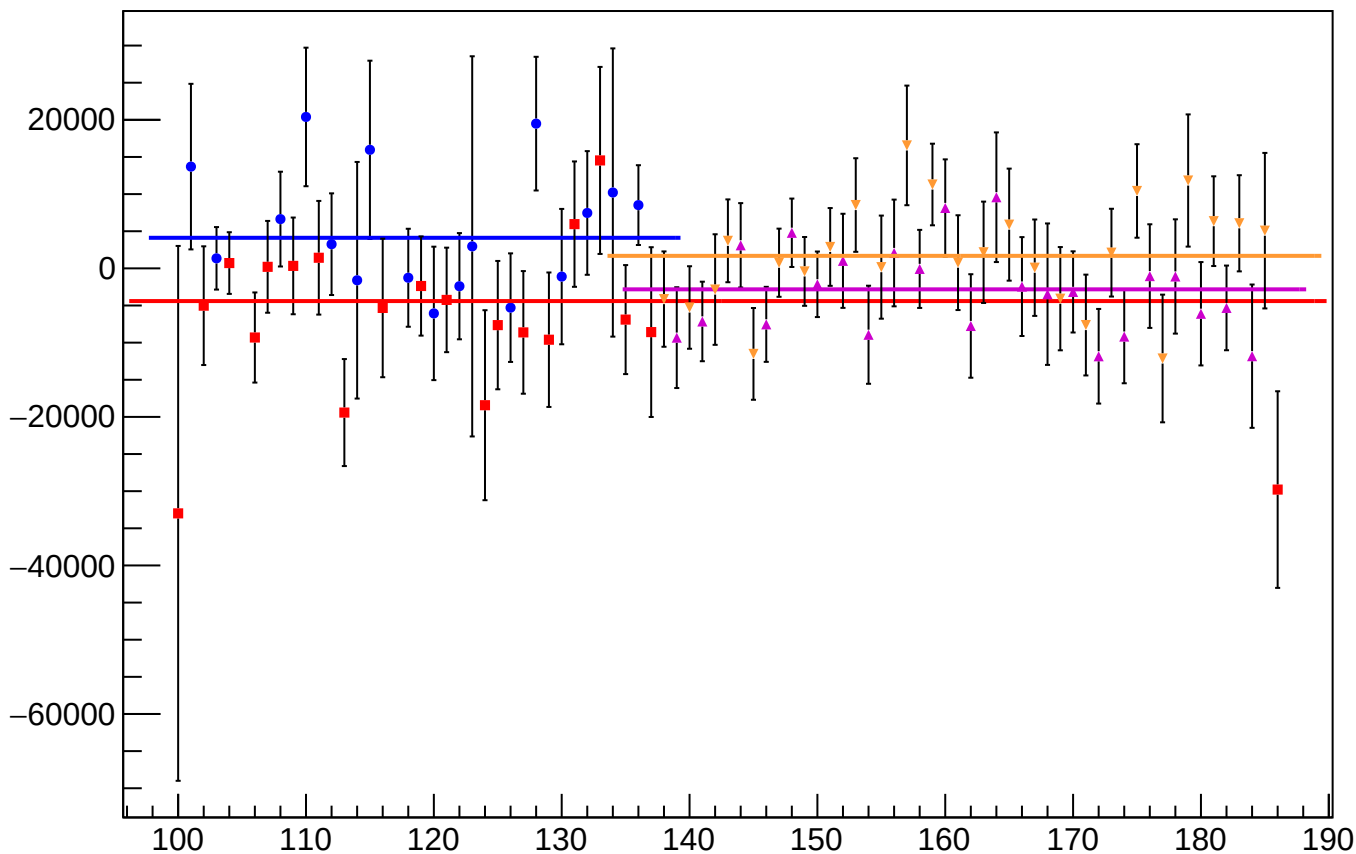
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 4651.296+/-0.675 χ^2/NDF : 2234736.2/41

All: 4540.254+/-0.470 χ^2/NDF : 5689394.3/84

- sign 4436.012+/-0.654 χ^2/NDF : 3402235.4/42

asym_atr_avg_mean vs Slug



Right In: 4116.431+/-1876.246 χ^2/NDF : 14.1/16

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -4403.721+/-1713.839 χ^2/NDF : 18.5/19

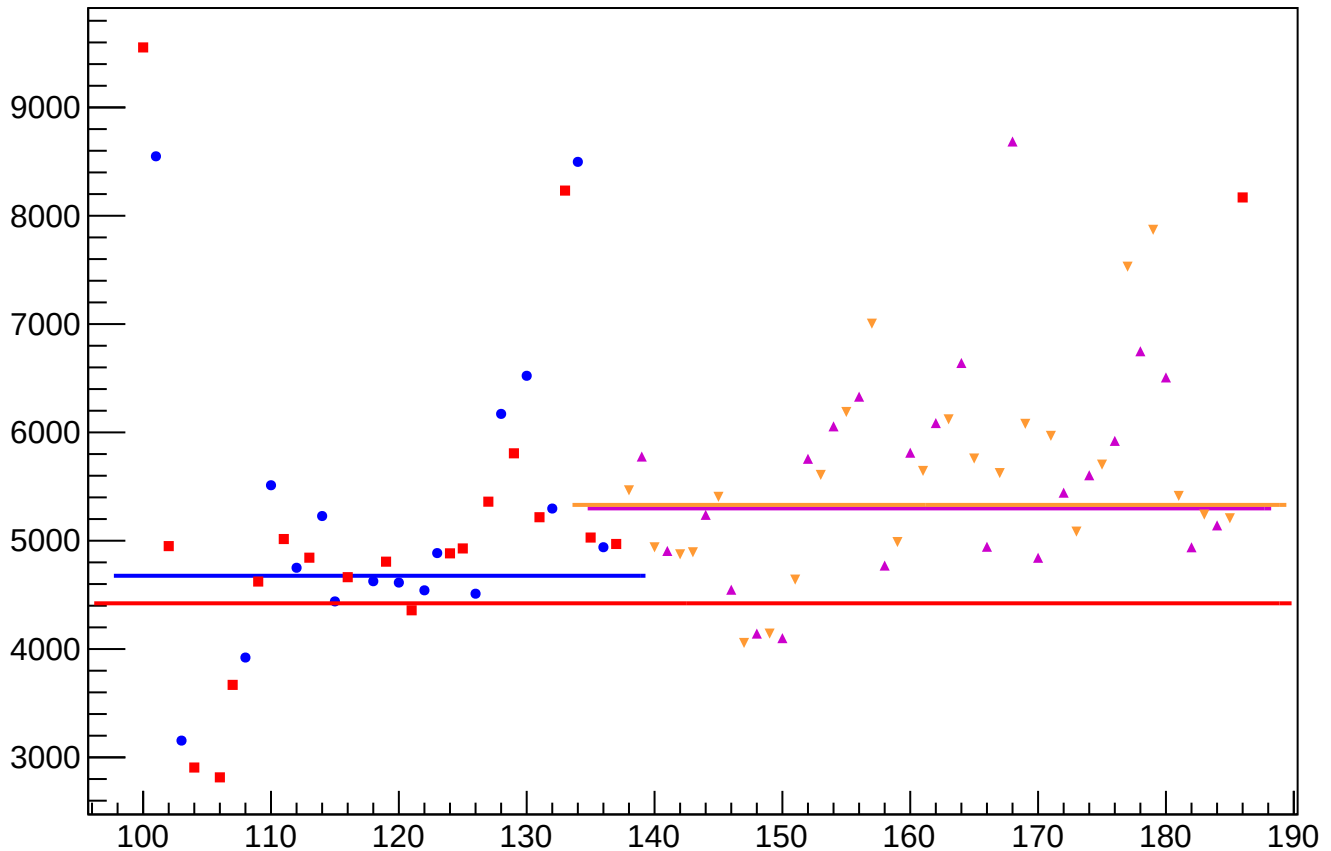
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2443.138+/-1046.962 χ^2/NDF : 40.7/41

All: -523.744+/-734.191 χ^2/NDF : 93.6/84

- sign -3394.467+/-1029.855 χ^2/NDF : 37.1/42

asym_atr_avg_rms vs Slug



Right In: 4676.405 ± 1.327 χ^2/NDF : 783034.3/16

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

Right Out: 4422.208 ± 1.205 χ^2/NDF : 996478.0/19

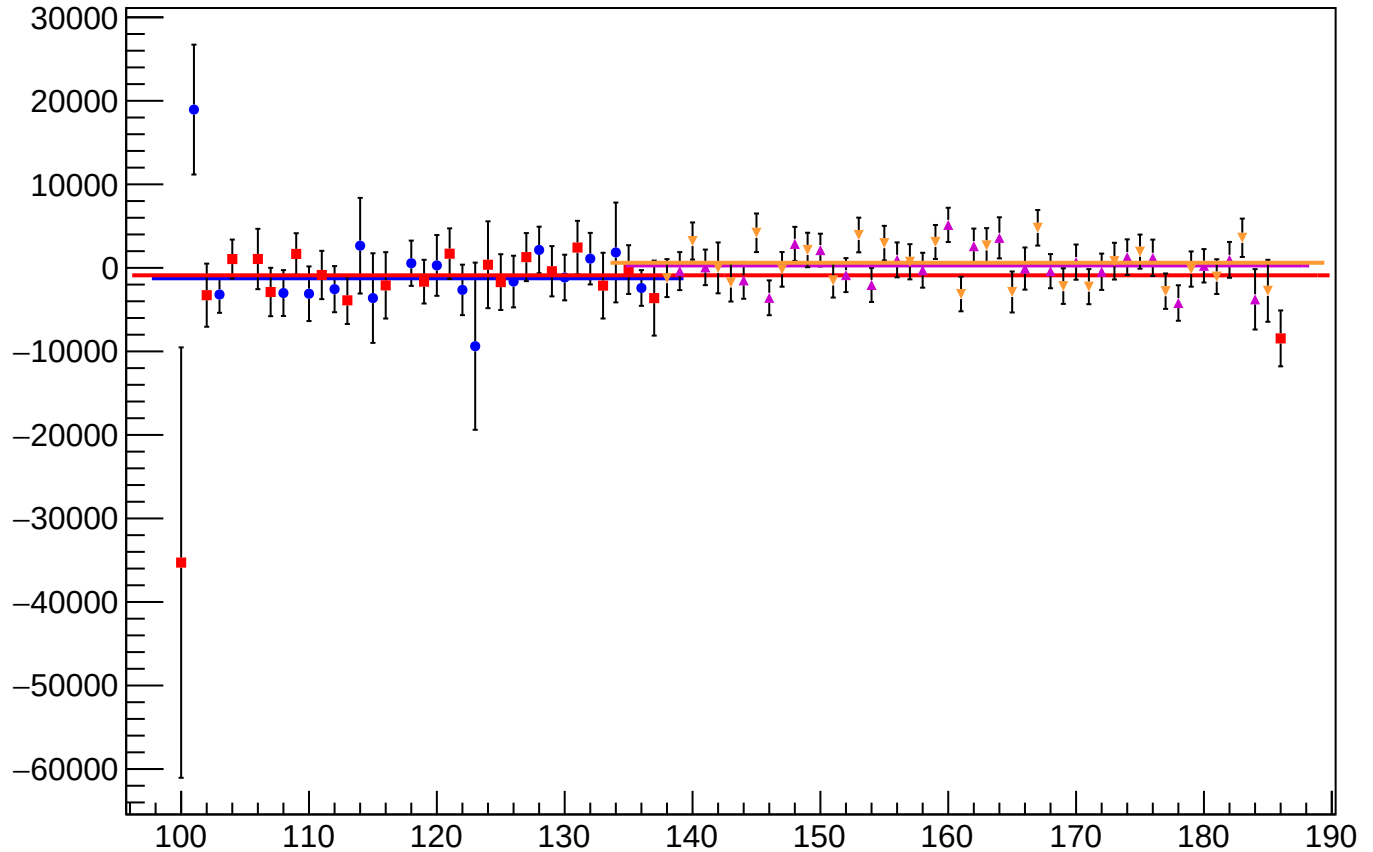
Left In: 5298.329 ± 0.911 χ^2/NDF : 956021.6/22

+ sign 5126.987 ± 0.740 χ^2/NDF : 1818596.0/41

All: 5051.957 ± 0.519 χ^2/NDF : 4127641.2/84

- sign 4979.659 ± 0.727 χ^2/NDF : 2288876.0/42

reg_asym_atr_dd_mean vs Slug



Right In: -1245.595 $\pm$ 767.454 χ^2 /NDF: 13.3/16

Left Out: 612.314 $\pm$ 438.264 χ^2 /NDF: 32.7/24

Right Out: -890.616 $\pm$ 715.508 χ^2 /NDF: 14.2/19

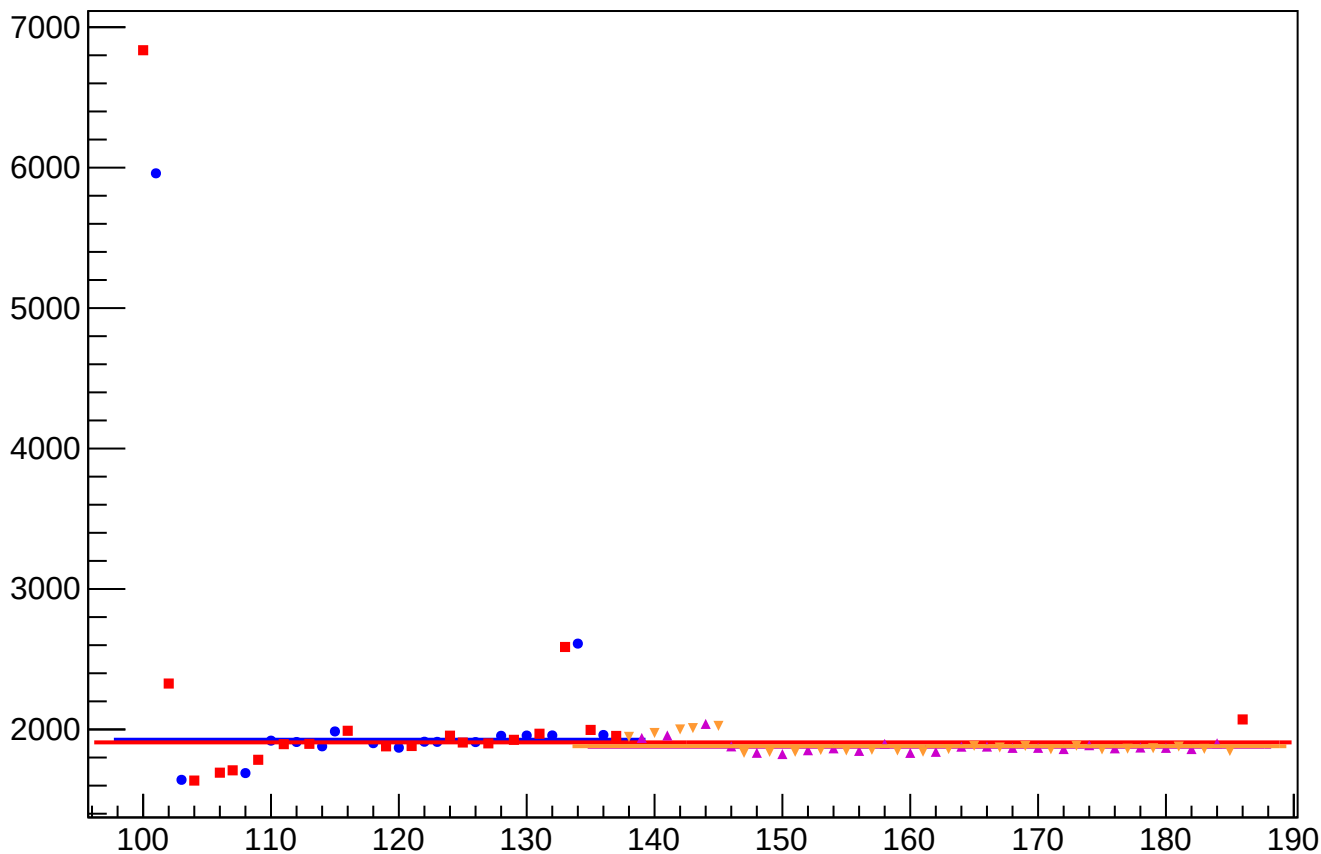
Left In: 293.009 $\pm$ 449.575 χ^2 /NDF: 23.6/22

+ sign 155.424 $\pm$ 380.580 χ^2 /NDF: 50.4/41

All: 56.726 $\pm$ 269.142 χ^2 /NDF: 90.3/84

- sign -42.017 $\pm$ 380.668 χ^2 /NDF: 39.8/42

reg_asym_atr_dd_rms vs Slug



Right In: 1926.691+/-0.543 χ^2/NDF : 615898.2/16

Left Out: 1880.808+/-0.310 χ^2/NDF : 28655.5/24

Right Out: 1907.923+/-0.505 χ^2/NDF : 215974.4/19

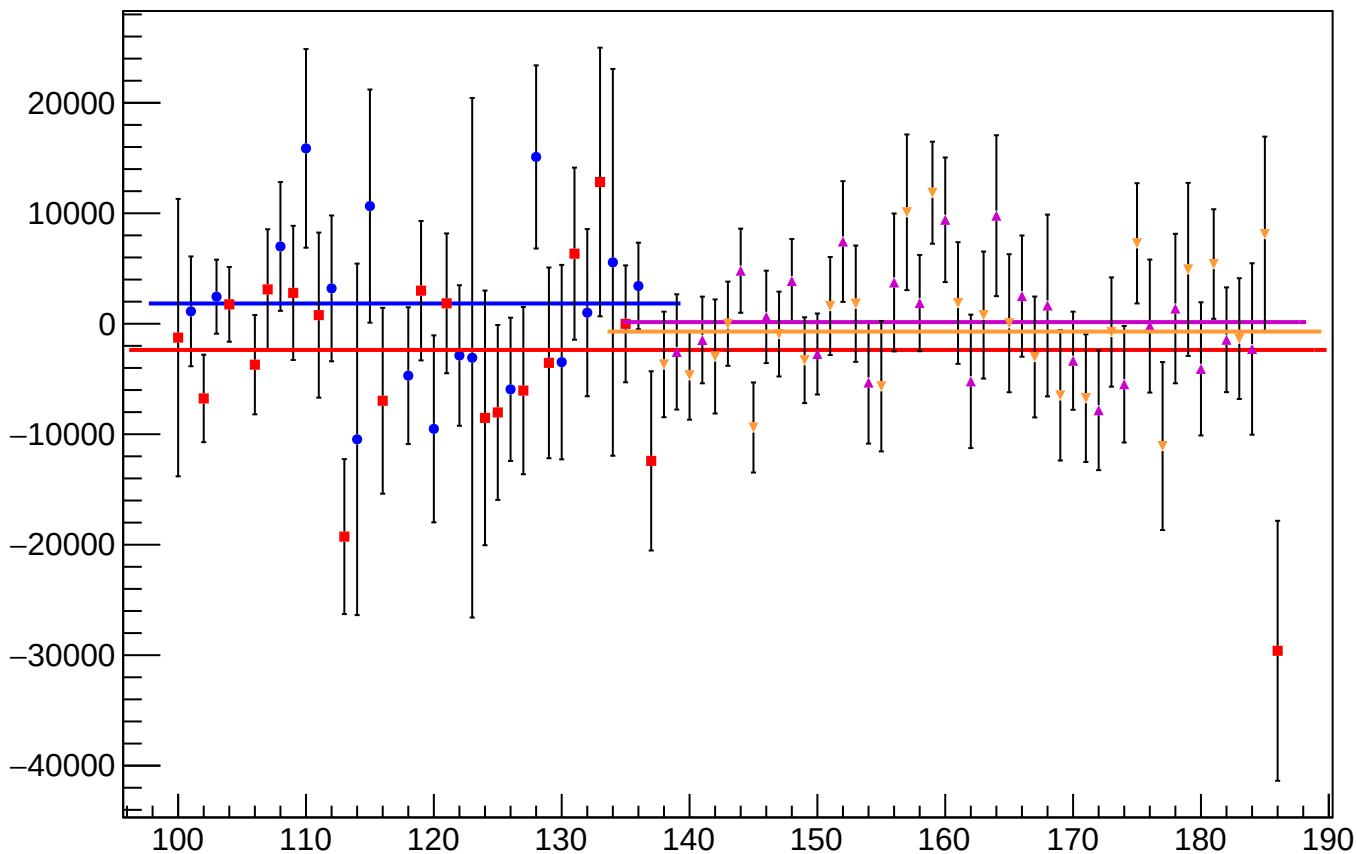
Left In: 1876.685+/-0.318 χ^2/NDF : 20499.7/22

+ sign 1892.092+/-0.269 χ^2/NDF : 649944.4/41

All: 1888.822+/-0.190 χ^2/NDF : 889455.4/84

- sign 1885.555+/-0.269 χ^2/NDF : 239215.8/42

asym_atr_dd_correction_mean vs Slug



Right In: 1834.690+/-1559.964 χ^2/NDF : 12.7/16

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

Right Out: -2371.078+/-1405.468 χ^2/NDF : 23.0/19

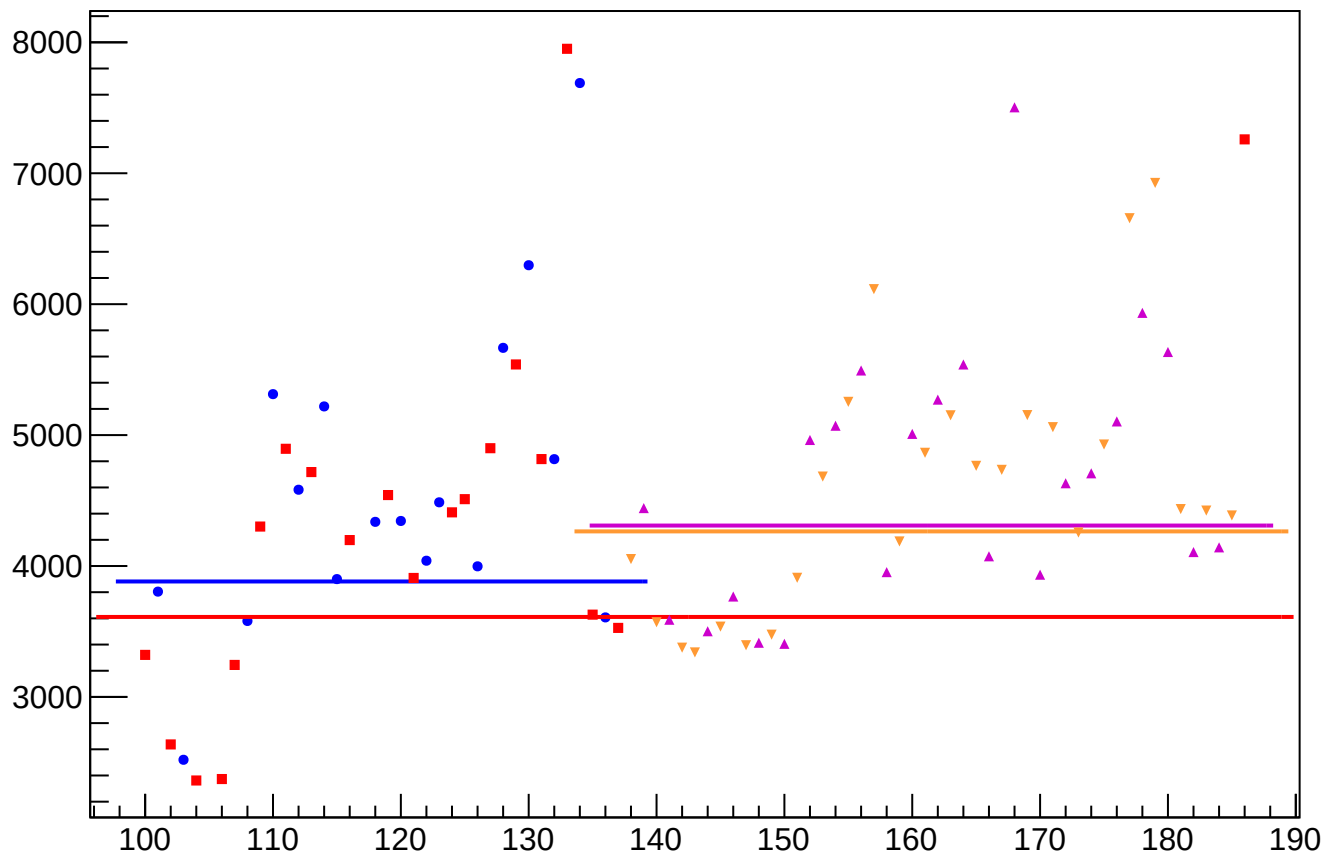
Left In: 150.495+/-1053.655 χ^2/NDF : 16.9/22

+ sign 51.278+/-852.364 χ^2/NDF : 41.7/41

All: -357.189+/-599.393 χ^2/NDF : 84.0/84

- sign -756.780+/-843.052 χ^2/NDF : 41.9/42

asym_atr_dd_correction_rms vs Slug



Right In: 3881.913 ± 1.103 $\chi^2/\text{NDF}: 821979.1/16$

Left Out: 4264.433 ± 0.720 $\chi^2/\text{NDF}: 1354900.8/24$

Right Out: 3610.968 ± 0.994 $\chi^2/\text{NDF}: 1436960.9/19$

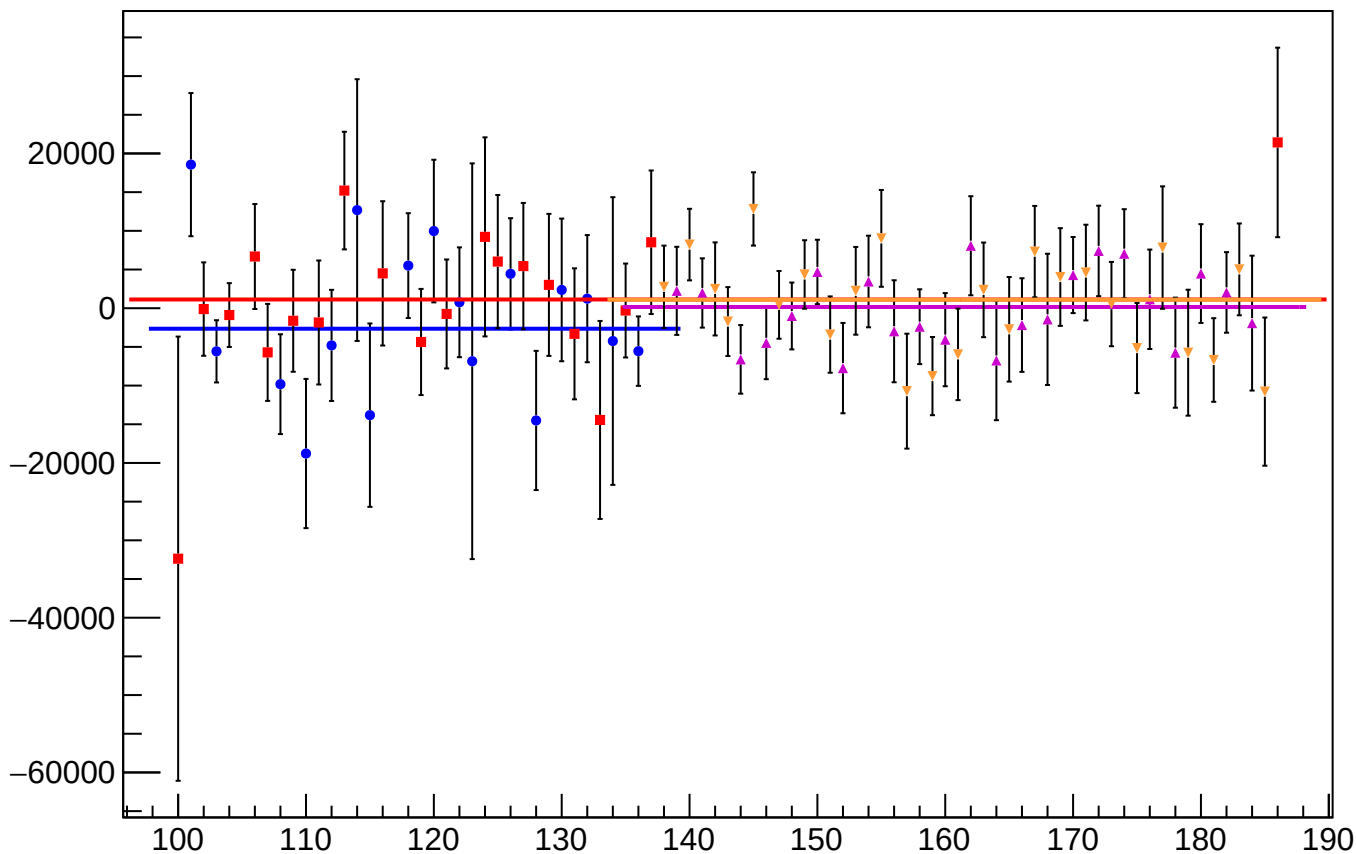
Left In: 4309.034 ± 0.745 $\chi^2/\text{NDF}: 1305133.3/22$

+ sign 4150.231 ± 0.603 $\chi^2/\text{NDF}: 2261233.4/41$

All: 4103.541 ± 0.424 $\chi^2/\text{NDF}: 5331057.8/84$

- sign 4057.866 ± 0.596 $\chi^2/\text{NDF}: 3057953.0/42$

asym_atr_dd_mean vs Slug



Right In: -2650.826 ± 1813.388 χ^2/NDF : 18.9/16

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1127.614 ± 1677.273 χ^2/NDF : 14.3/19

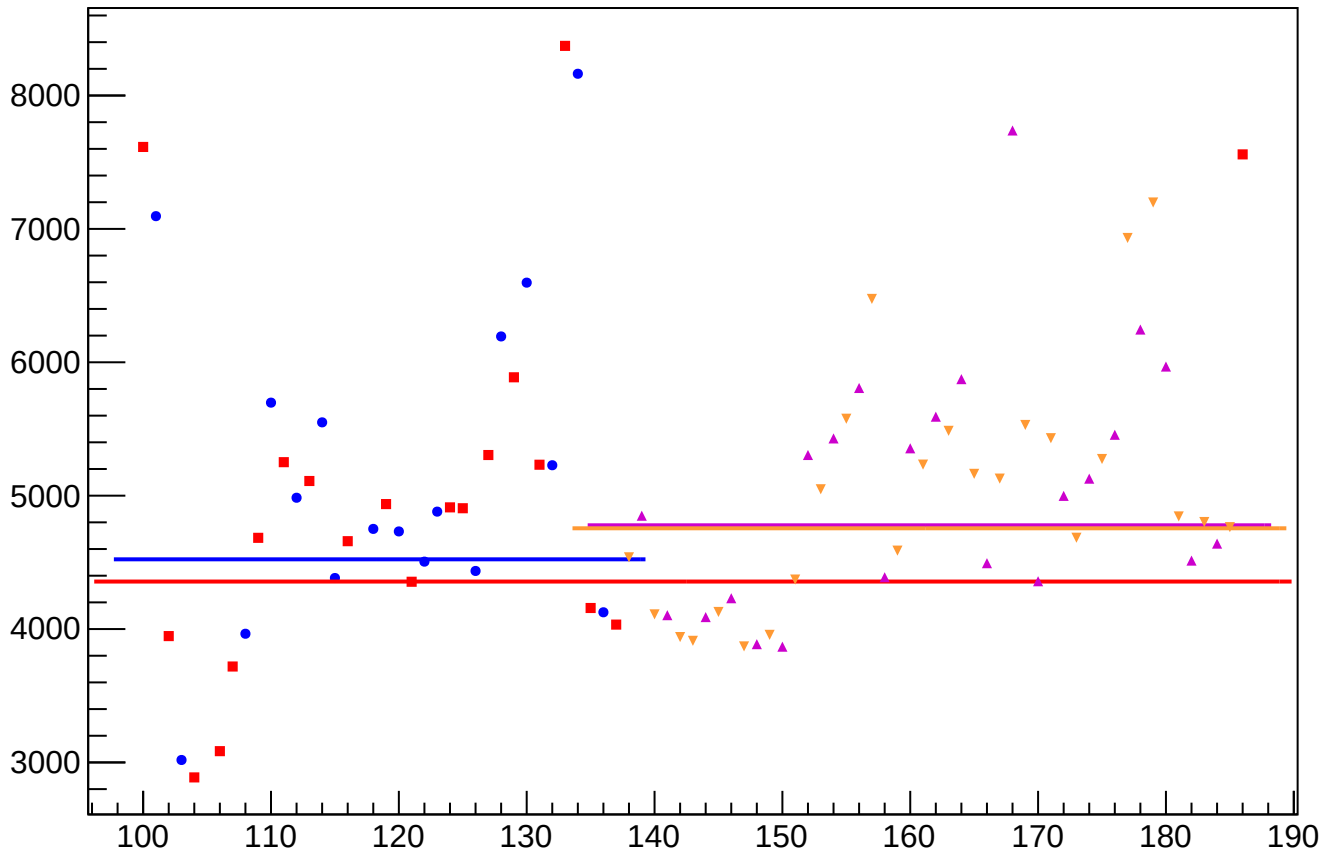
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 56.954 ± 956.995 χ^2/NDF : 50.5/41

All: 265.300 ± 675.955 χ^2/NDF : 80.7/84

- sign 472.733 ± 954.897 χ^2/NDF : 30.1/42

asym_atr_dd_rms vs Slug



Right In: 4522.775+/-1.282 χ^2/NDF : 776612.8/16

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

+ sign 4690.600+/-0.677 χ^2/NDF : 1753683.4/41

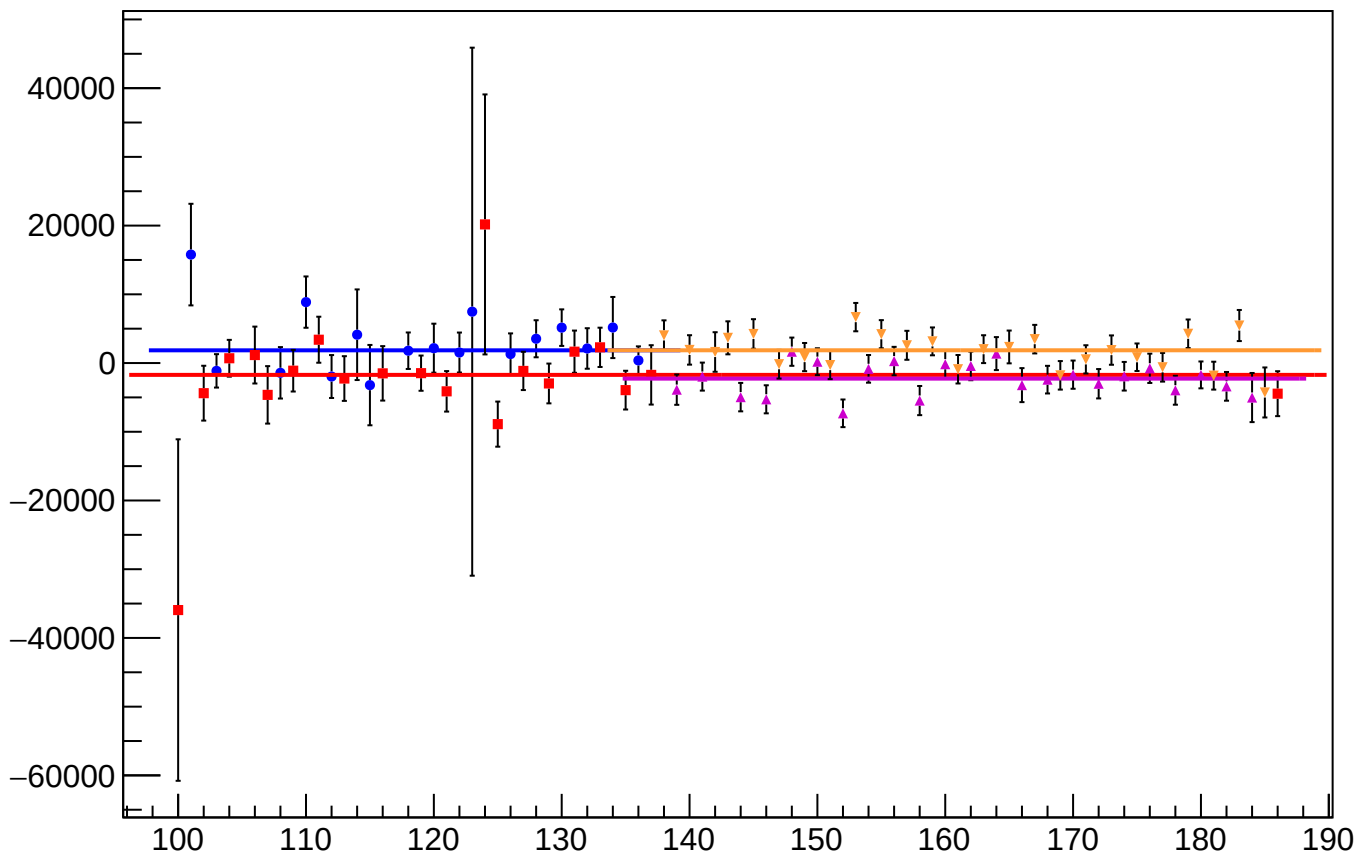
Right Out: 4356.145+/-1.180 χ^2/NDF : 912539.4/19

All: 4665.270+/-0.478 χ^2/NDF : 3705380.6/84

- sign 4640.140+/-0.674 χ^2/NDF : 1948906.0/42

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

reg_asym_at1_avg_mean vs Slug



Right In: 1850.872 ± 785.814 χ^2/NDF : 14.8/16

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

Right Out: -1722.157 ± 747.677 χ^2/NDF : 18.0/19

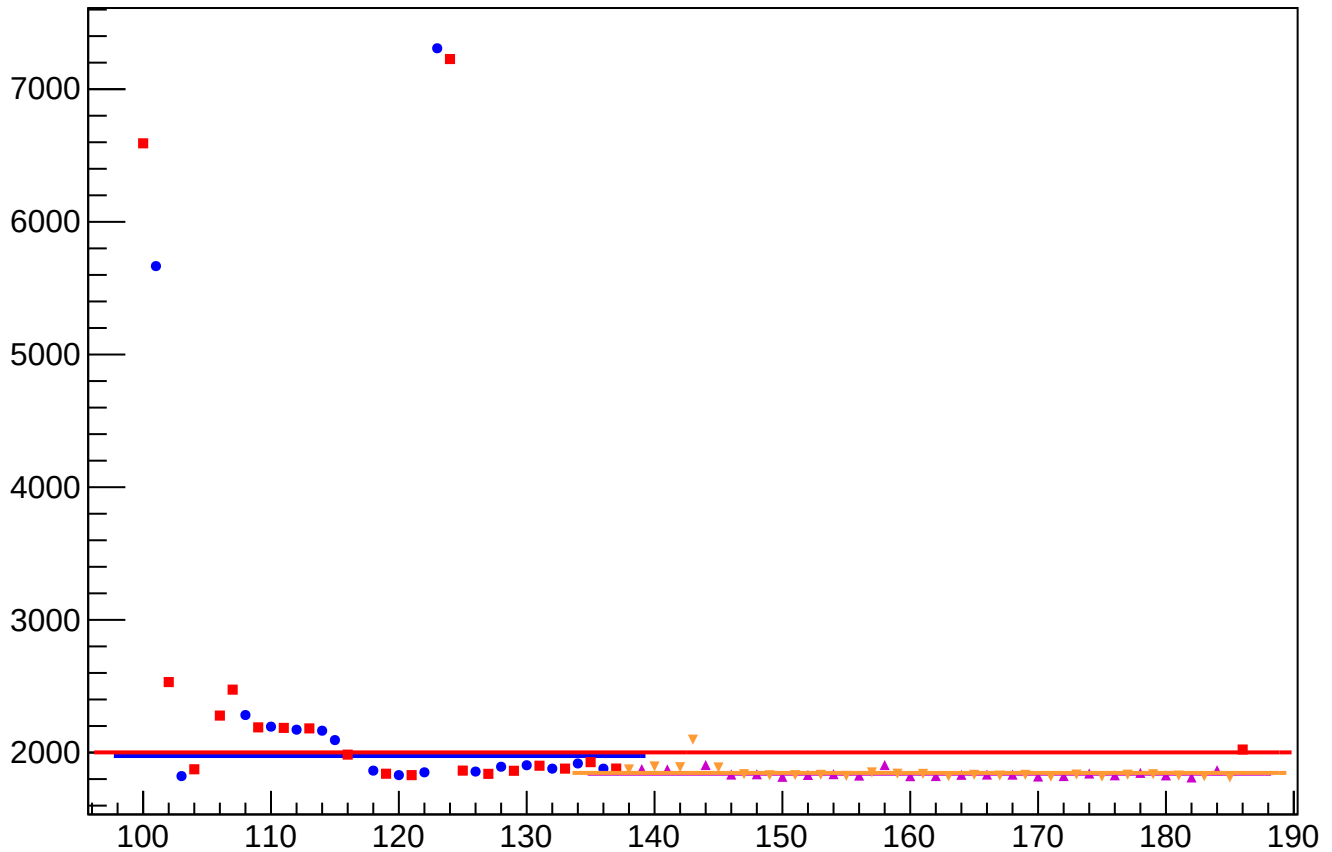
Left In: -2268.464 ± 441.710 χ^2/NDF : 26.9/22

+ sign 1855.253 ± 377.876 χ^2/NDF : 44.8/41

All: -123.193 ± 268.052 χ^2/NDF : 145.3/84

- sign -2127.124 ± 380.302 χ^2/NDF : 45.3/42

reg_asym_at1_avg_rms vs Slug



Right In: 1973.812 $\pm$ 0.556 χ^2 /NDF: 599877.2/16

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

Right Out: 2001.260 $\pm$ 0.529 χ^2 /NDF: 353712.4/19

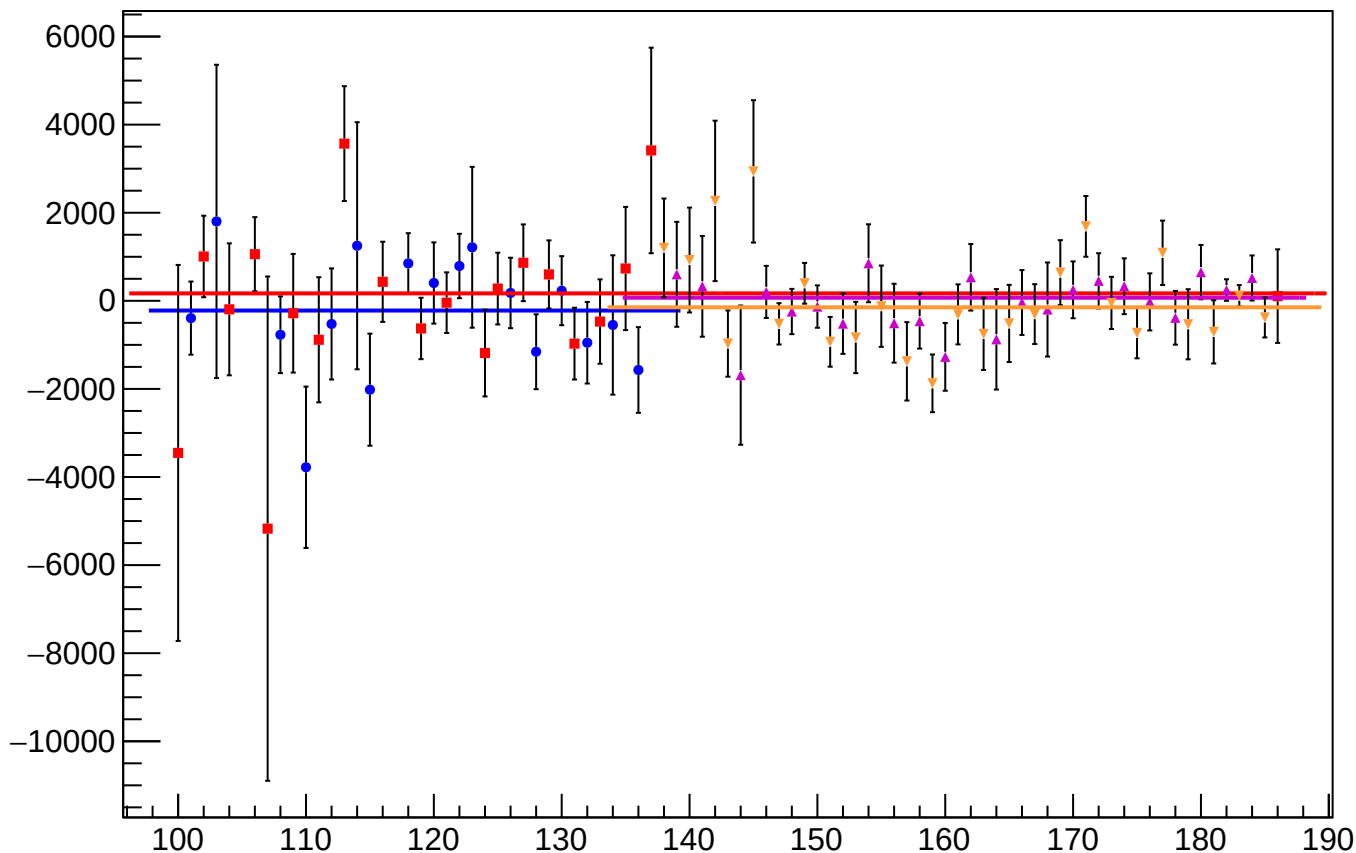
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

+ sign 1876.018 $\pm$ 0.267 χ^2 /NDF: 667472.6/41

All: 1879.051 $\pm$ 0.190 χ^2 /NDF: 1096688.7/84

- sign 1882.123 $\pm$ 0.269 χ^2 /NDF: 428956.8/42

asym_at1_avg_correction_mean vs Slug



Right In: -220.797 $\pm$ 241.210 χ^2 /NDF: 16.7/16

Left Out: -146.999 $\pm$ 121.984 χ^2 /NDF: 37.7/24

Right Out: 168.768 $\pm$ 224.566 χ^2 /NDF: 19.9/19

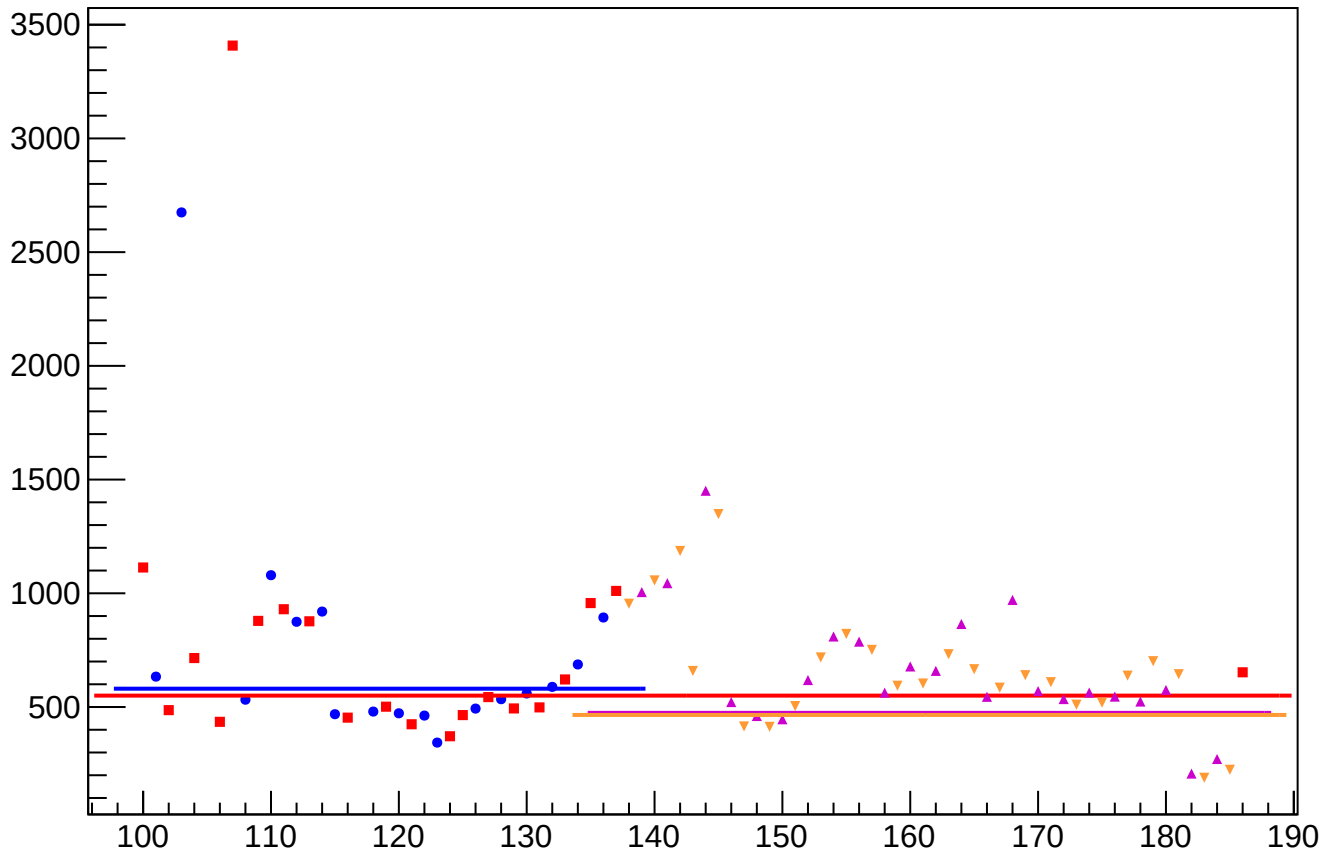
Left In: 70.340 $\pm$ 126.373 χ^2 /NDF: 12.3/22

+ sign -162.029 $\pm$ 108.856 χ^2 /NDF: 54.4/41

All: -35.500 $\pm$ 77.420 χ^2 /NDF: 89.5/84

- sign 94.014 $\pm$ 110.132 χ^2 /NDF: 32.3/42

asym_at1_avg_correction_rms vs Slug



Right In: 580.578 $\pm$ 0.171 χ^2 /NDF: 1413766.8/16

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

Right Out: 550.081 $\pm$ 0.159 χ^2 /NDF: 1475066.1/19

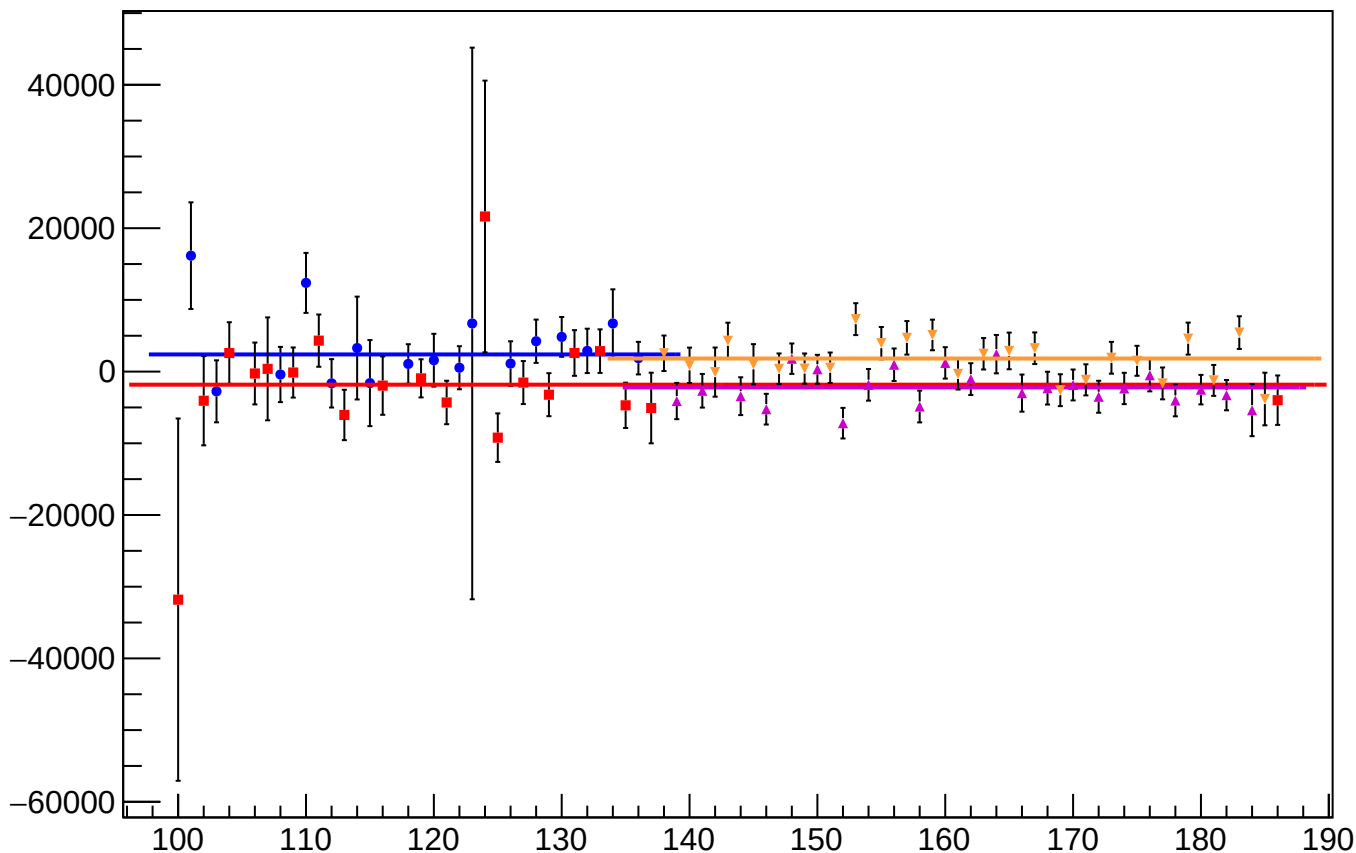
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

+ sign 488.603 $\pm$ 0.077 χ^2 /NDF: 8865066.2/41

All: 490.528 $\pm$ 0.055 χ^2 /NDF: 16687645.1/84

- sign 492.498 $\pm$ 0.078 χ^2 /NDF: 7821313.4/42

asym_at1_avg_mean vs Slug



Right In: 2394.430+/-865.666 χ^2/NDF : 15.8/16

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

Right Out: -1822.758+/-830.852 χ^2/NDF : 20.6/19

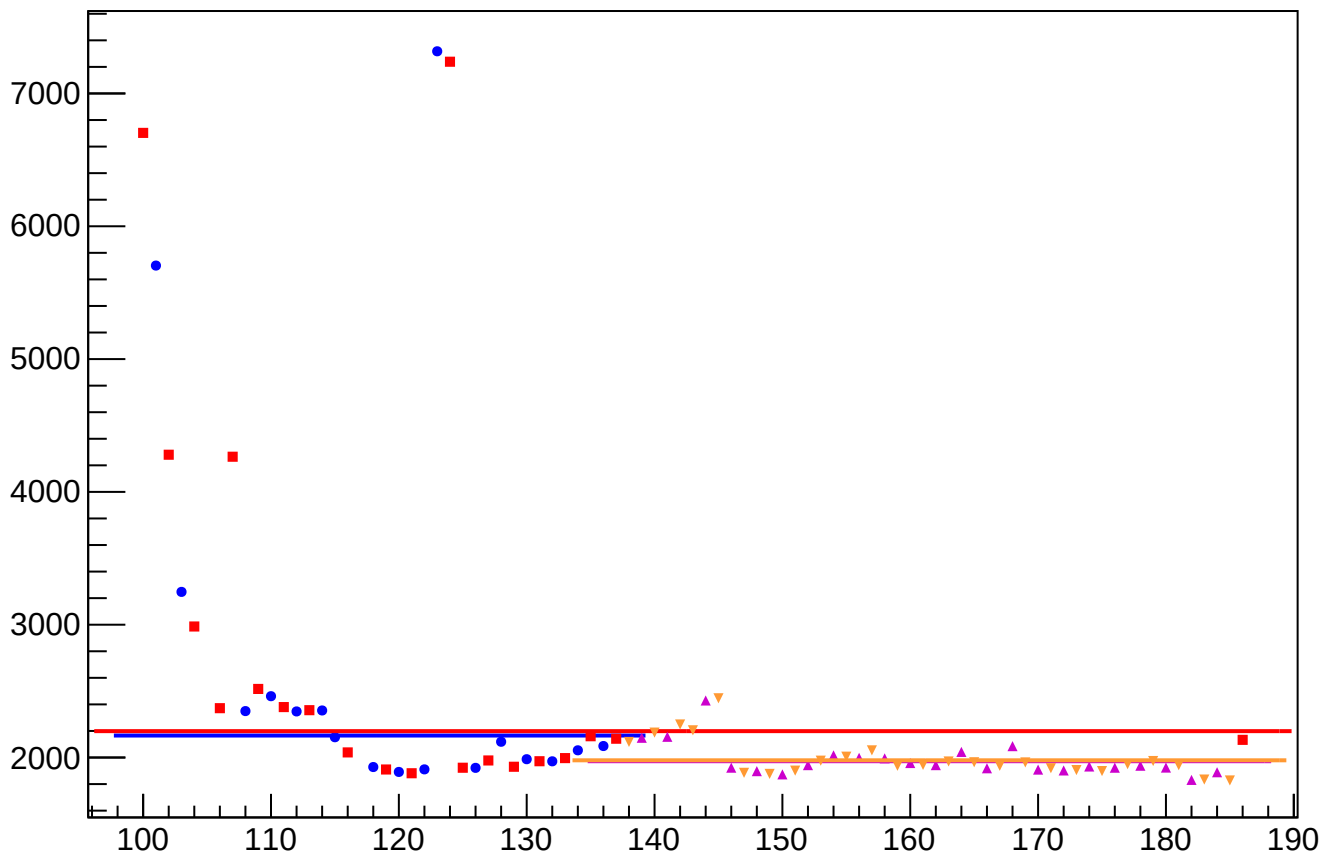
Left In: -2208.114+/-474.050 χ^2/NDF :25.3/22

+ sign 1950.803+/-408.062 χ^2/NDF : 48.3/41

All: -63.080+/-289.837 χ^2/NDF : 143.5/84

- sign -2113.475+/-411.745 χ^2/NDF : 46.1/42

asym_at1_avg_rms vs Slug



Right In: 2165.566 $\pm$ 0.612 χ^2 /NDF: 707806.4/16

Left Out: 1978.997 $\pm$ 0.327 χ^2 /NDF:139299.8/24

Right Out: 2198.623 $\pm$ 0.587 χ^2 /NDF: 799842.8/19

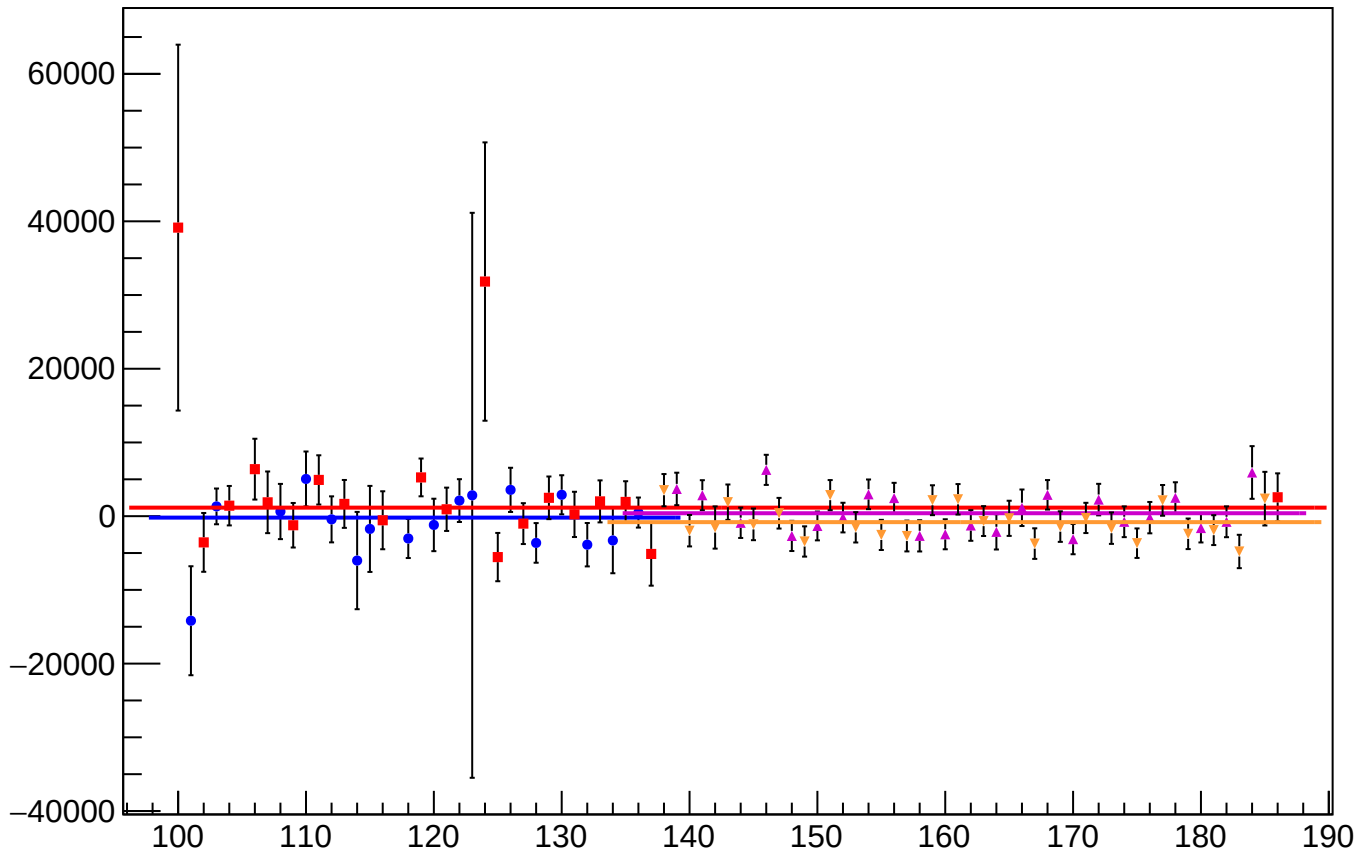
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF:116452.5/22

+ sign 2020.454 $\pm$ 0.289 χ^2 /NDF: 919362.0/41

All: 2024.085 $\pm$ 0.205 χ^2 /NDF: 1948065.9/84

- sign 2027.782 $\pm$ 0.291 χ^2 /NDF: 1028384.2/42

reg_asym_at1_dd_mean vs Slug



Right In: -195.092 ± 784.368 χ^2/NDF : 15.4/16

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

Right Out: 1157.197 ± 745.892 χ^2/NDF : 20.3/19

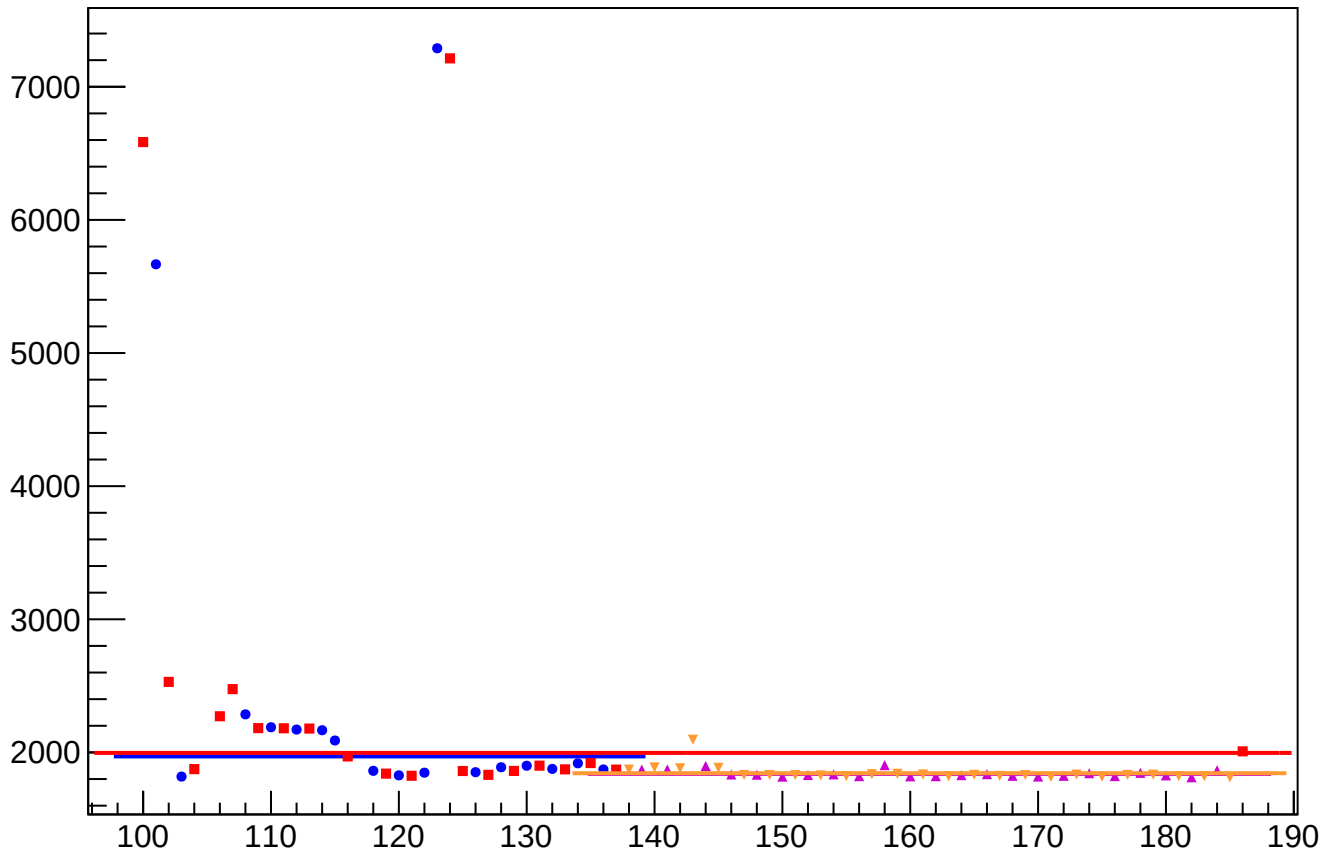
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -666.546 ± 377.262 χ^2/NDF : 43.8/41

All: -39.755 ± 267.647 χ^2/NDF : 104.8/84

- sign 595.400 ± 379.771 χ^2/NDF : 55.4/42

reg_asym_at1_dd_rms vs Slug



Right In: 1969.951 $\pm$ 0.555 χ^2 /NDF: 602002.6/16

Left Out: 1843.747 $\pm$ 0.304 χ^2 /NDF: 26867.4/24

Right Out: 1996.400 $\pm$ 0.527 χ^2 /NDF: 354327.8/19

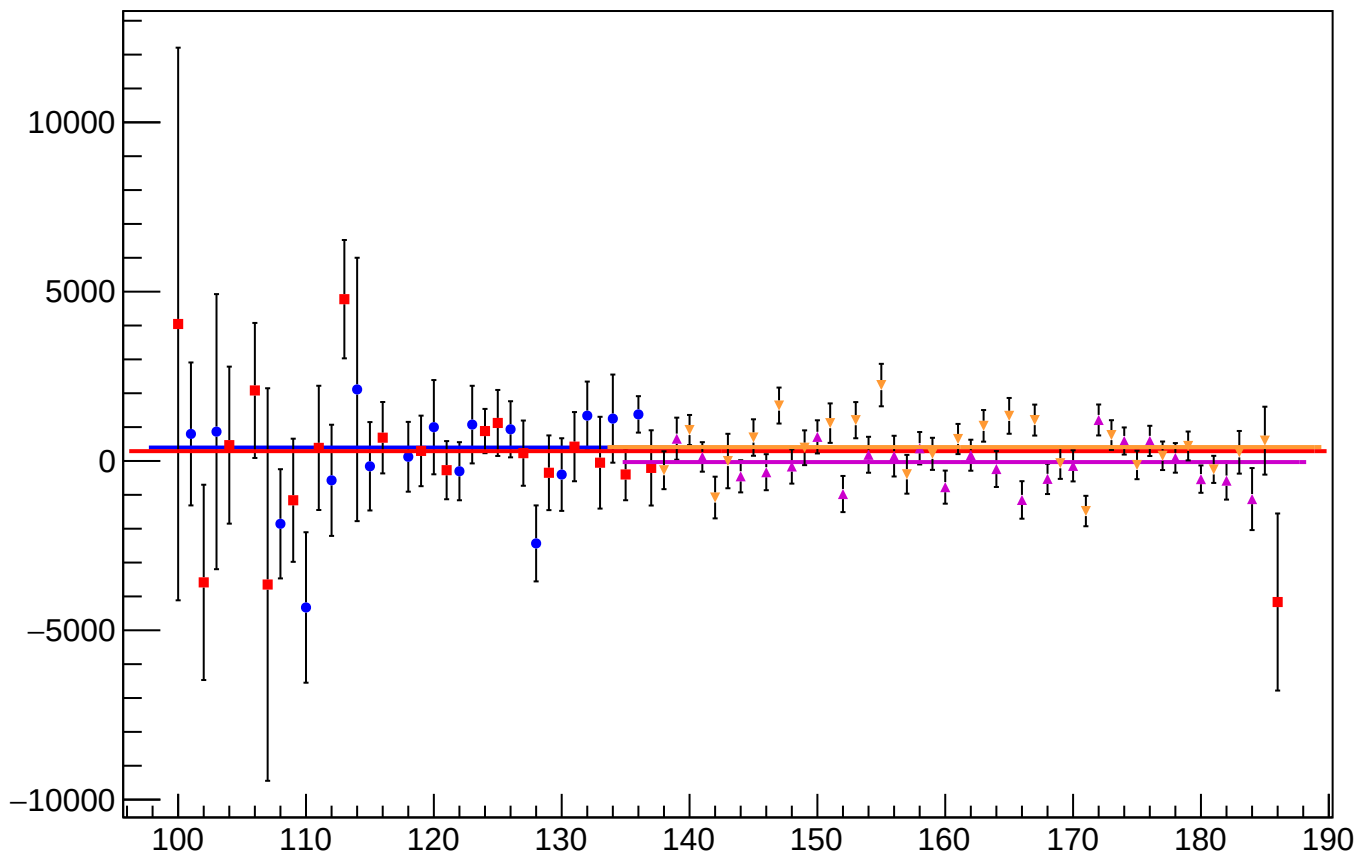
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF: 6335.1/22

+ sign 1872.943 $\pm$ 0.267 χ^2 /NDF: 668669.3/41

All: 1876.207 $\pm$ 0.189 χ^2 /NDF: 1095933.5/84

- sign 1879.515 $\pm$ 0.269 χ^2 /NDF: 426962.7/42

asym_at1_dd_correction_mean vs Slug



Right In: 396.702 ± 270.925 χ^2/NDF : 20.5/16

Left Out: 411.072 ± 100.456 χ^2/NDF : 61.2/24

Right Out: 289.857 ± 265.511 χ^2/NDF : 17.0/19

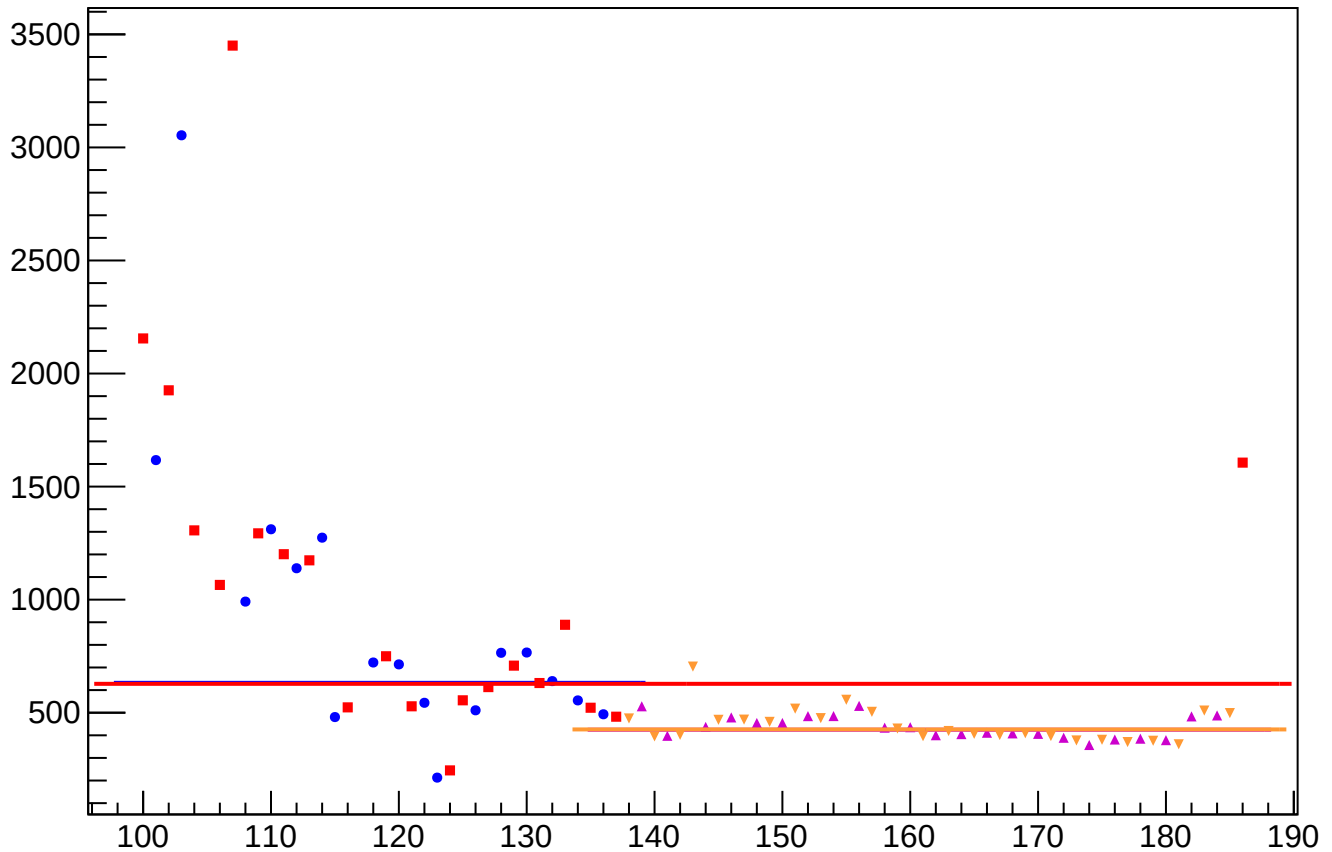
Left In: -32.456 ± 102.403 χ^2/NDF : 32.7/22

+ sign 409.335 ± 94.190 χ^2/NDF : 81.6/41

All: 212.162 ± 67.076 χ^2/NDF : 141.5/84

- sign 9.280 ± 95.543 χ^2/NDF : 51.0/42

asym_at1_dd_correction_rms vs Slug



Right In: 632.093 $\pm$ 0.192 χ^2 /NDF: 2258413.9/16

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 627.713 $\pm$ 0.188 χ^2 /NDF: 3085318.9/19

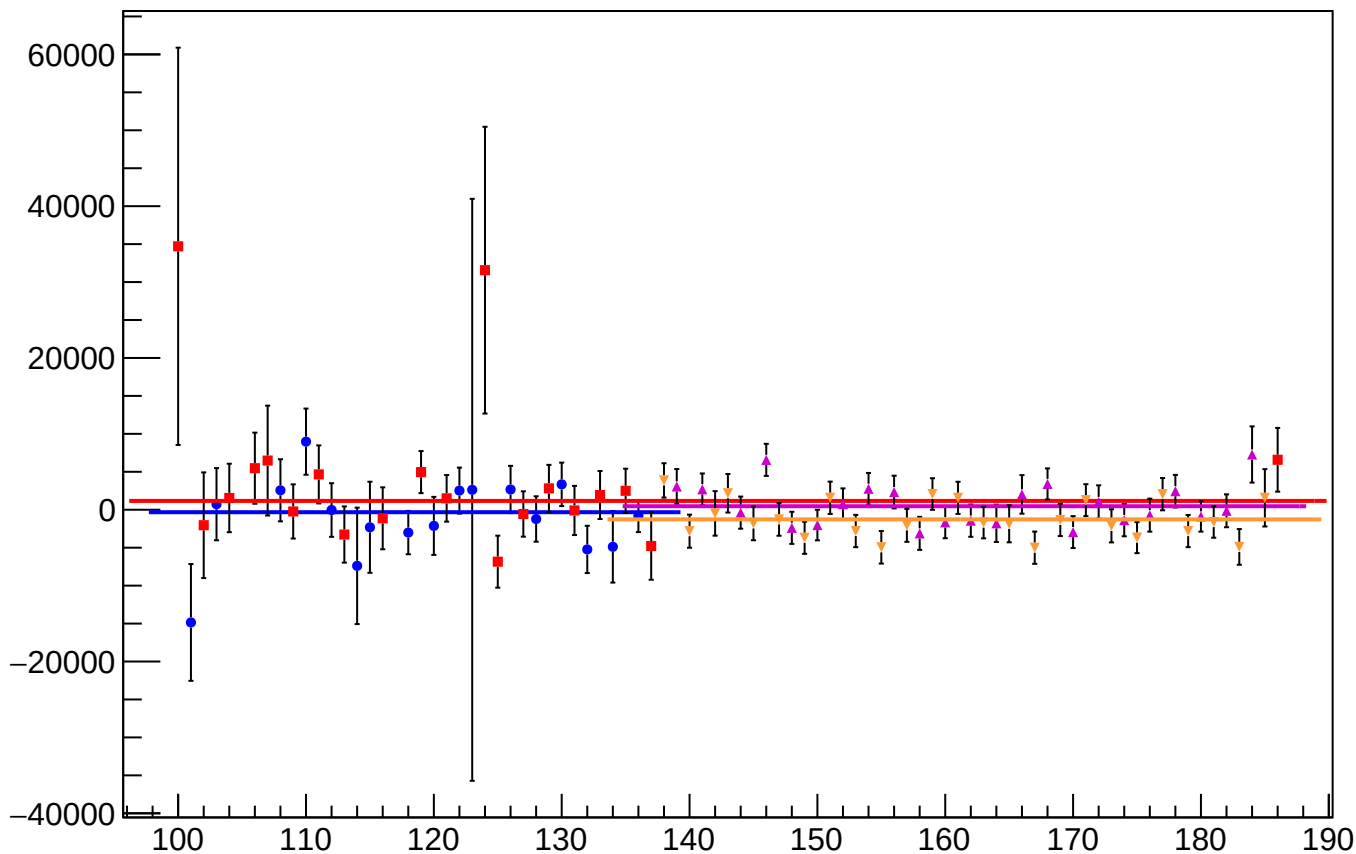
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 450.934 $\pm$ 0.067 χ^2 /NDF: 4008663.9/41

All: 450.934 $\pm$ 0.047 χ^2 /NDF: 8504060.8/84

- sign 450.935 $\pm$ 0.068 χ^2 /NDF: 4495396.9/42

asym_at1_dd_mean vs Slug



Right In: -324.791 ± 874.352 χ^2/NDF : 17.7/16

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 1164.725 ± 852.170 χ^2/NDF : 20.4/19

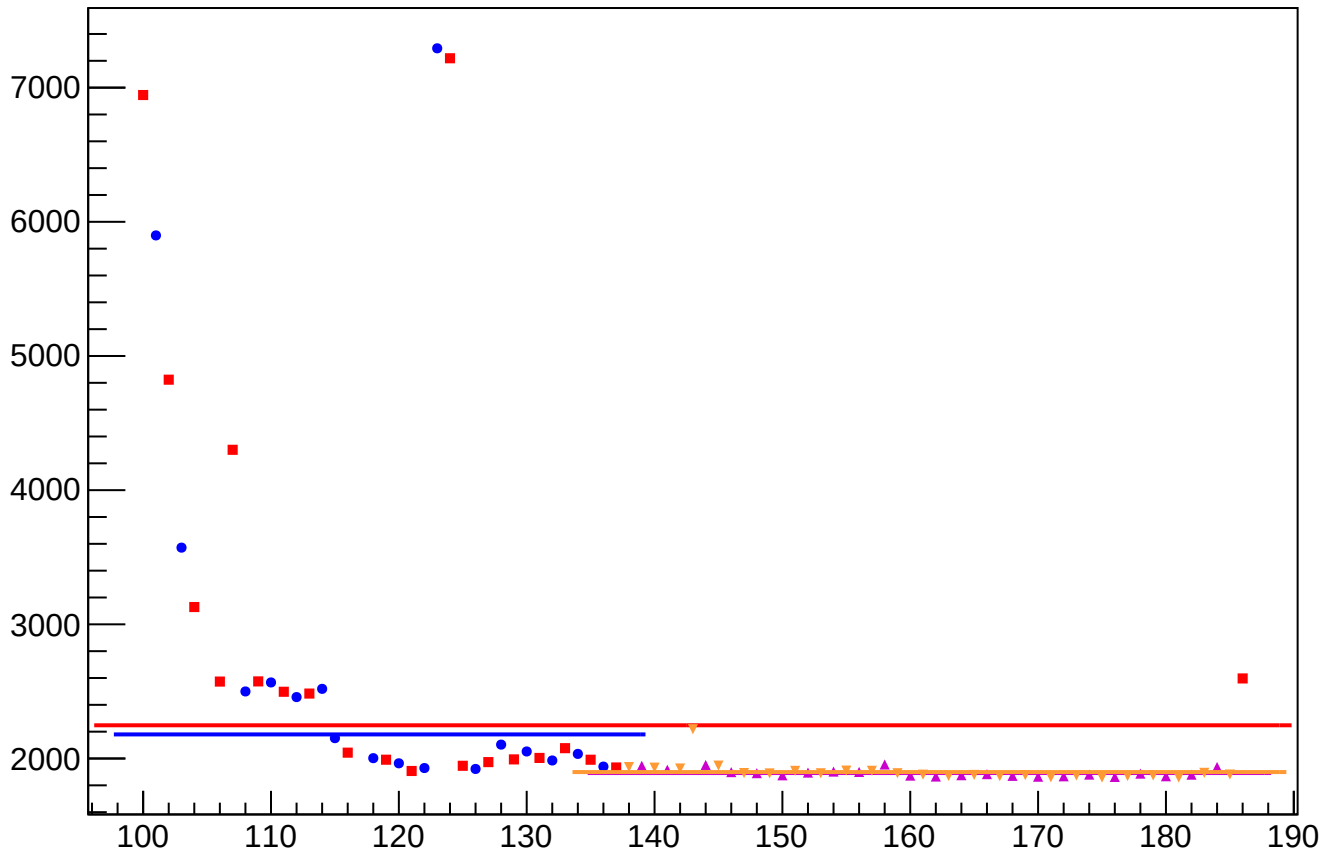
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1075.089 ± 395.328 χ^2/NDF : 49.5/41

All: -239.959 ± 281.401 χ^2/NDF : 112.0/84

- sign 617.797 ± 400.647 χ^2/NDF : 53.5/42

asym_at1_dd_rms vs Slug



Right In: 2179.524+/-0.618 χ^2/NDF : 800832.9/16

Left Out: 1898.962+/-0.313 χ^2/NDF : 38680.4/24

Right Out: 2247.572+/-0.603 χ^2/NDF : 906428.4/19

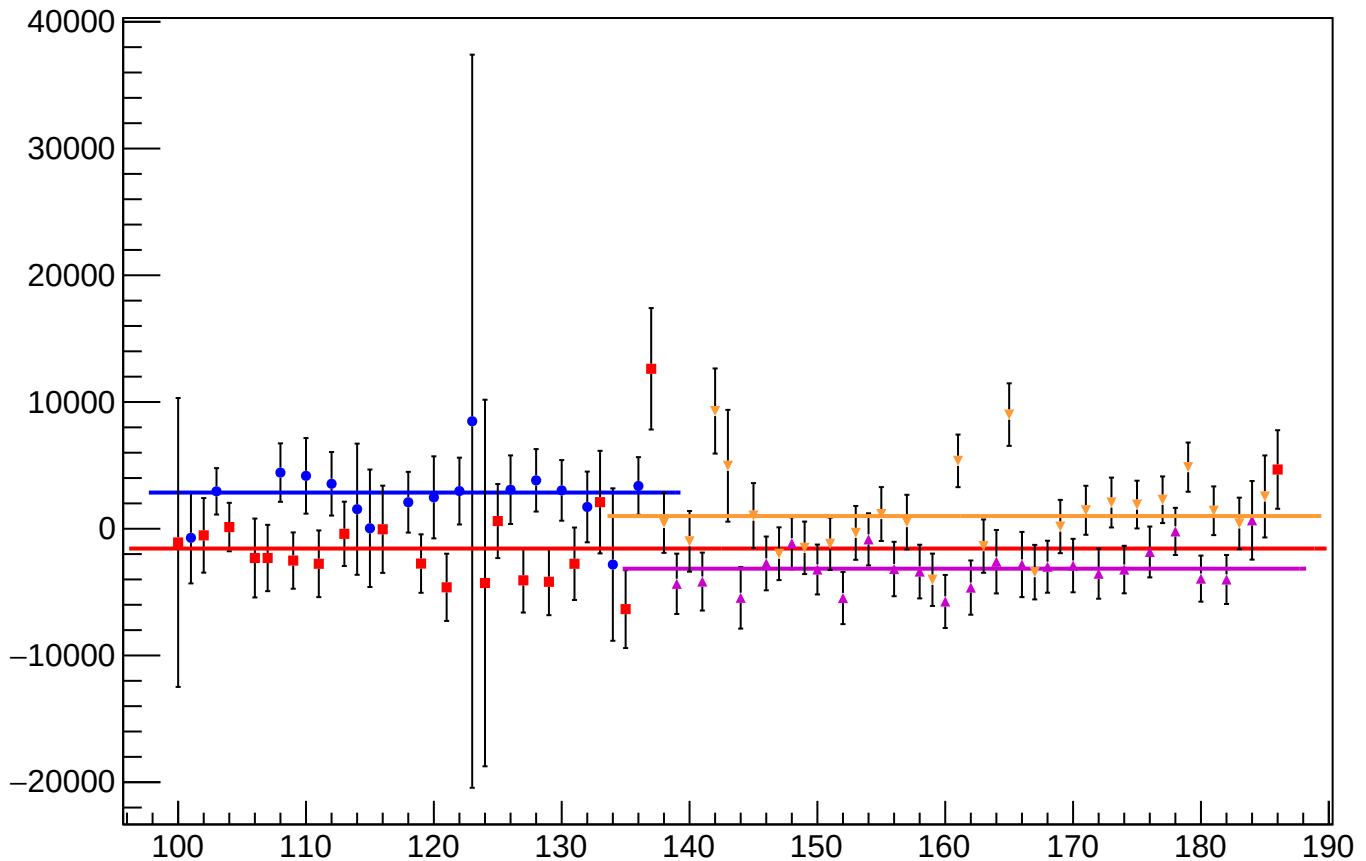
Left In: 1891.693+/-0.321 χ^2/NDF : 7420.7/22

+ sign 1956.317+/-0.280 χ^2/NDF : 1003344.2/41

All: 1963.243+/-0.199 χ^2/NDF : 2190143.4/84

- sign 1970.357+/-0.283 χ^2/NDF : 1185554.7/42

reg_asym_at2_avg_mean vs Slug



Right In: 2855.433+/-680.542 χ^2/NDF : 3.6/16

Left Out: 1001.263+/-435.247 χ^2/NDF : 44.6/24

Right Out: -1562.766+/-642.717 χ^2/NDF : 22.2/19

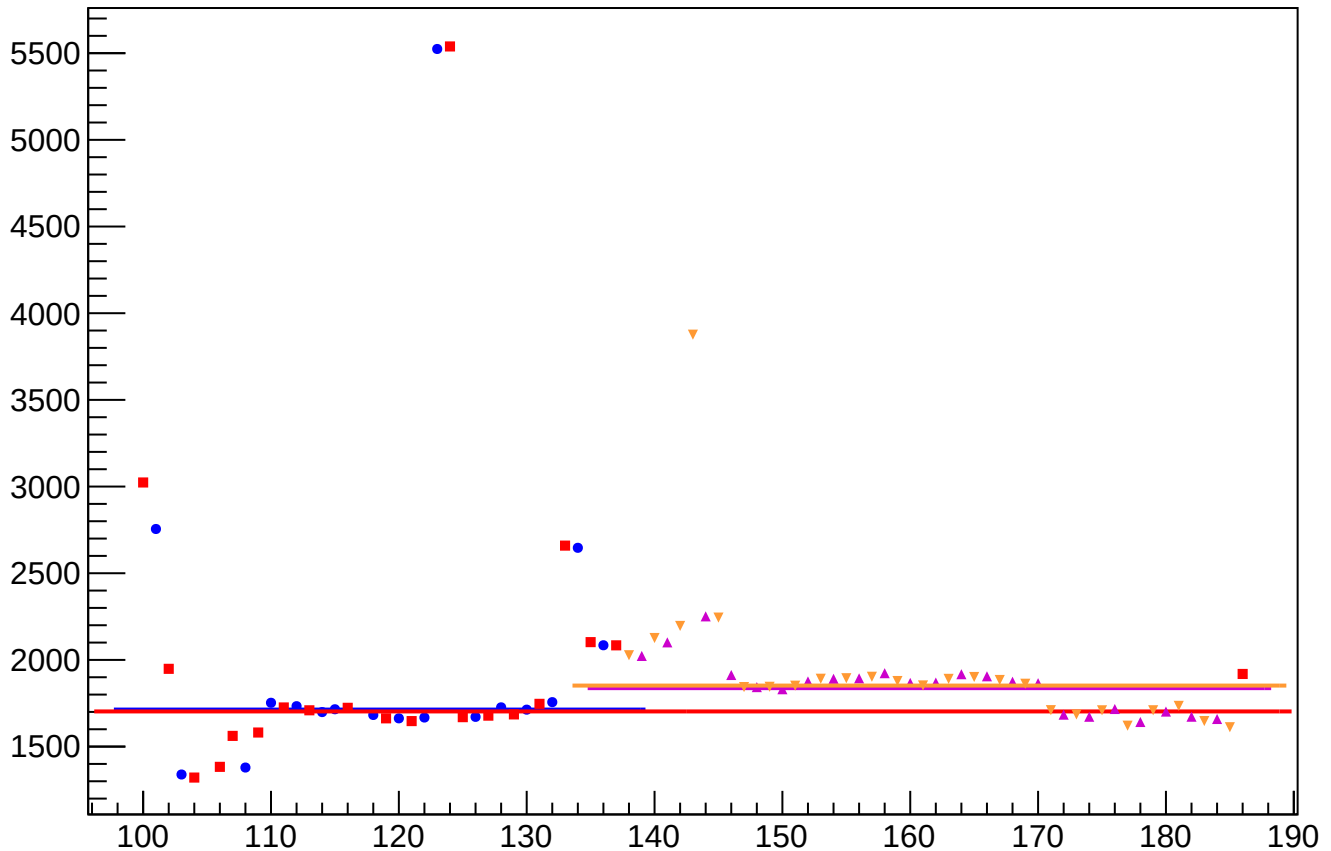
Left In: -3150.437+/-441.145 χ^2/NDF : 11.8/22

+ sign 1539.519+/-366.669 χ^2/NDF : 53.5/41

All: -568.166+/-258.223 χ^2/NDF : 157.2/84

- sign -2641.999+/-363.713 χ^2/NDF : 38.2/42

reg_asym_at2_avg_rms vs Slug



Right In: 1713.549 $\pm$ 0.481 χ^2 /NDF: 432300.3/16

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1702.805 $\pm$ 0.454 χ^2 /NDF: 464822.6/19

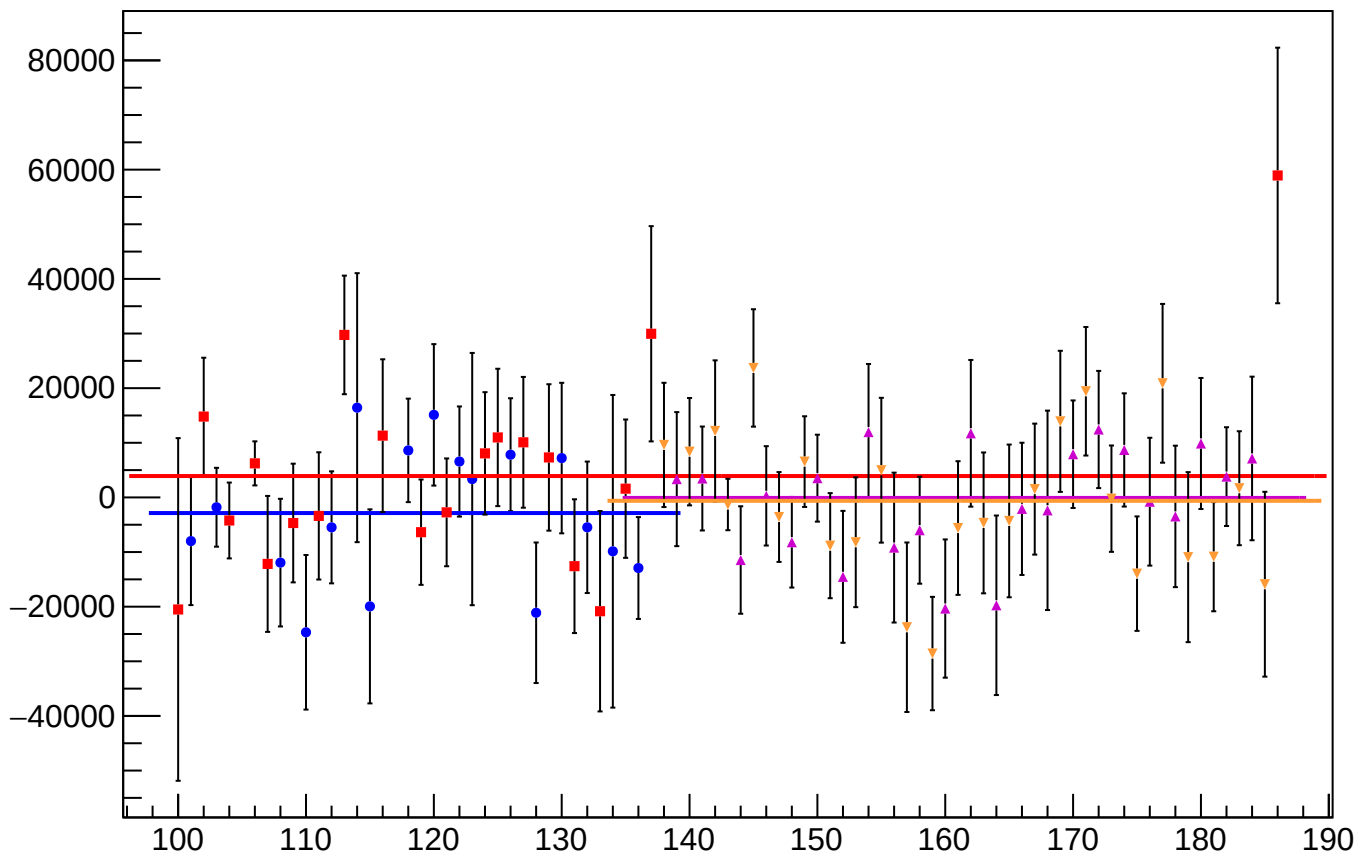
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1811.779 $\pm$ 0.259 χ^2 /NDF: 1139967.3/41

All: 1802.882 $\pm$ 0.183 χ^2 /NDF: 1867041.1/84

- sign 1794.127 $\pm$ 0.257 χ^2 /NDF: 724737.5/42

asym_at2_avg_correction_mean vs Slug



Right In: -2861.382 $\pm$ 2859.849 χ^2 /NDF: 14.0/16

Left Out: -619.372 $\pm$ 2069.686 χ^2 /NDF:30.1/24

Right Out: 3913.037 $\pm$ 2259.172 χ^2 /NDF: 25.3/19

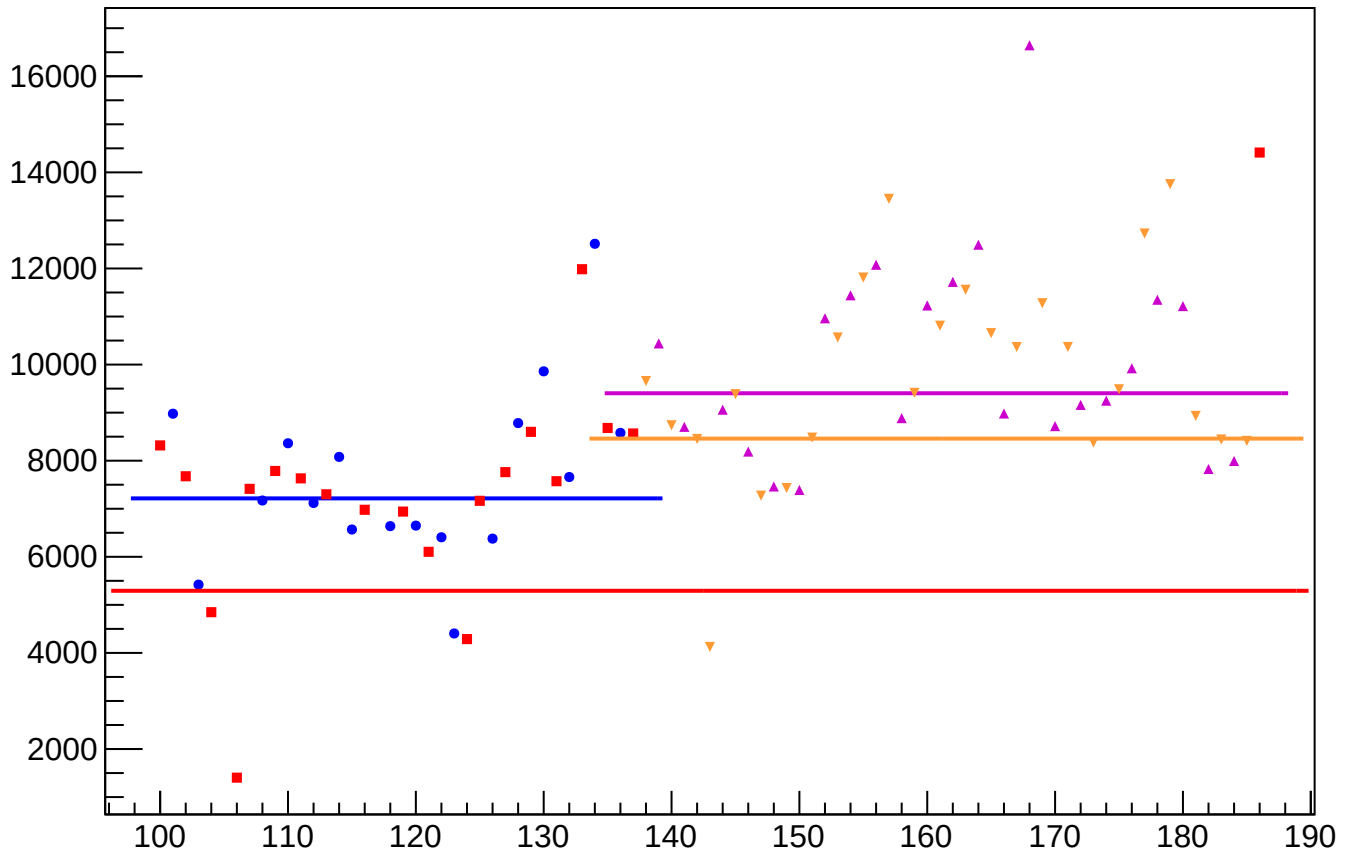
Left In: -93.334 $\pm$ 2293.826 χ^2 /NDF:14.6/22

+ sign -1390.004 $\pm$ 1676.671 χ^2 /NDF: 44.6/41

All: 343.124 $\pm$ 1161.142 χ^2 /NDF: 88.1/84

- sign 1940.343 $\pm$ 1609.588 χ^2 /NDF: 41.5/42

asym_at2_avg_correction_rms vs Slug



Right In: 7215.564+/-2.022 χ^2 /NDF: 471682.0/16

Left Out: 8459.960+/-1.463 χ^2 /NDF:3087200.5/24

Right Out: 5292.841+/-1.597 χ^2 /NDF: 3502999.8/19

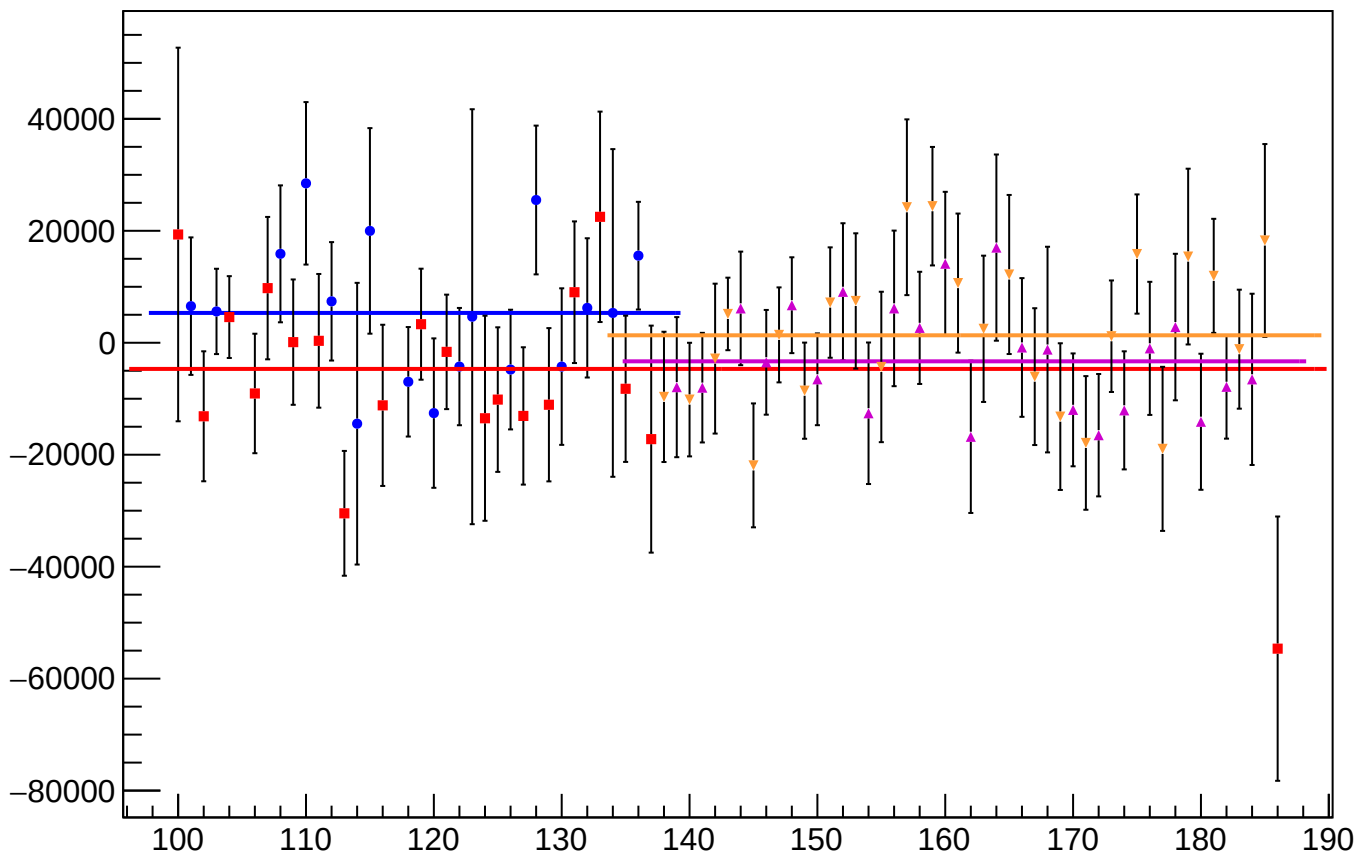
Left In: 9403.481+/-1.622 χ^2 /NDF:1142646.9/22

+ sign 8032.232+/-1.186 χ^2 /NDF: 3807394.8/41

All: 7659.957+/-0.821 χ^2 /NDF: 11902811.6/8

- sign 7316.876+/-1.138 χ^2 /NDF: 7905956.1/42

asym_at2_avg_mean vs Slug



Right In: 5329.954 $\pm$ 2979.601 χ^2 /NDF: 13.6/16

Left Out: 1332.828 $\pm$ 2213.733 χ^2 /NDF:28.0/24

Right Out: -4672.389 $\pm$ 2776.555 χ^2 /NDF: 20.1/19

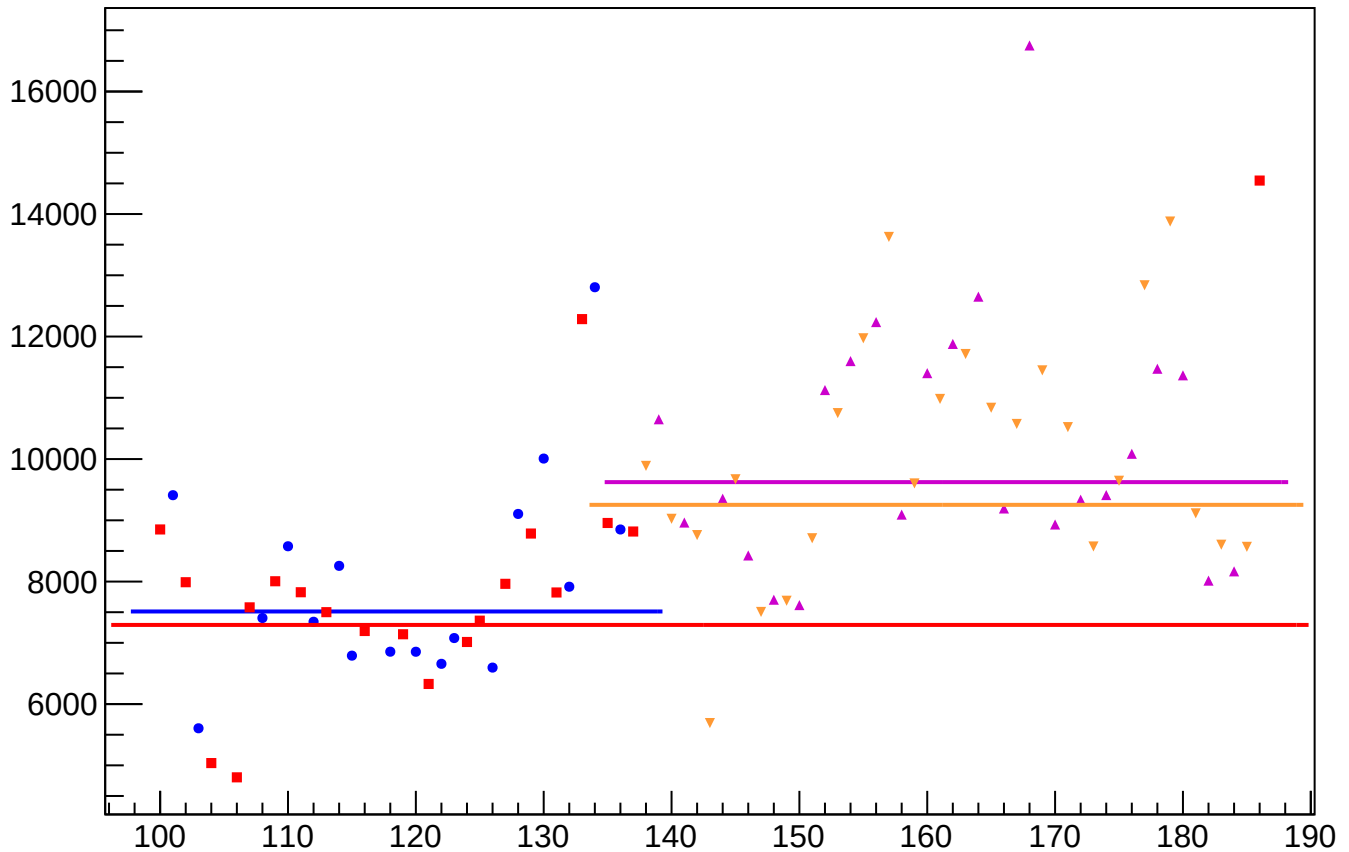
Left In: -3316.909 $\pm$ 2344.543 χ^2 /NDF:13.7/22

+ sign 2754.476 $\pm$ 1776.971 χ^2 /NDF: 42.8/41

All: -536.608 $\pm$ 1261.556 χ^2 /NDF: 83.7/84

- sign -3881.109 $\pm$ 1791.334 χ^2 /NDF: 33.9/42

asym_at2_avg_rms vs Slug



Right In: 7511.954+/-2.107 χ^2/NDF : 430092.6/16

Left Out: 9252.712+/-1.565 χ^2/NDF : 1597668.9/24

Right Out: 7292.345+/-1.963 χ^2/NDF : 750688.5/19

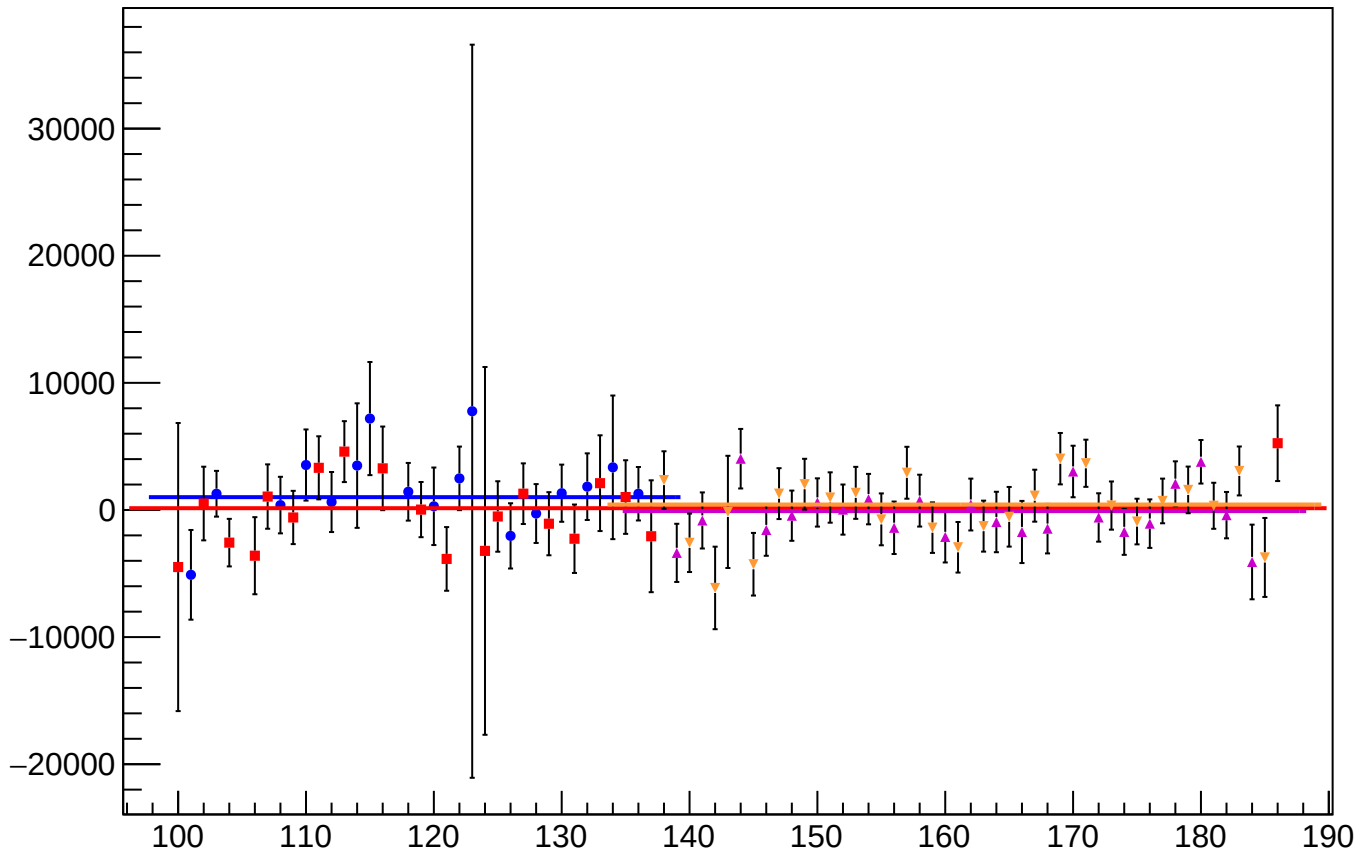
Left In: 9623.485+/-1.658 χ^2/NDF : 1069924.0/22

+ sign 8633.560+/-1.256 χ^2/NDF : 2467622.1/41

All: 8643.220+/-0.892 χ^2/NDF : 5111458.8/84

- sign 8653.035+/-1.267 χ^2/NDF : 2643717.6/42

reg_asym_at2_dd_mean vs Slug



Right In: 1007.483 ± 646.543 χ^2/NDF : 8.6/16

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 139.457 ± 611.857 χ^2/NDF : 17.5/19

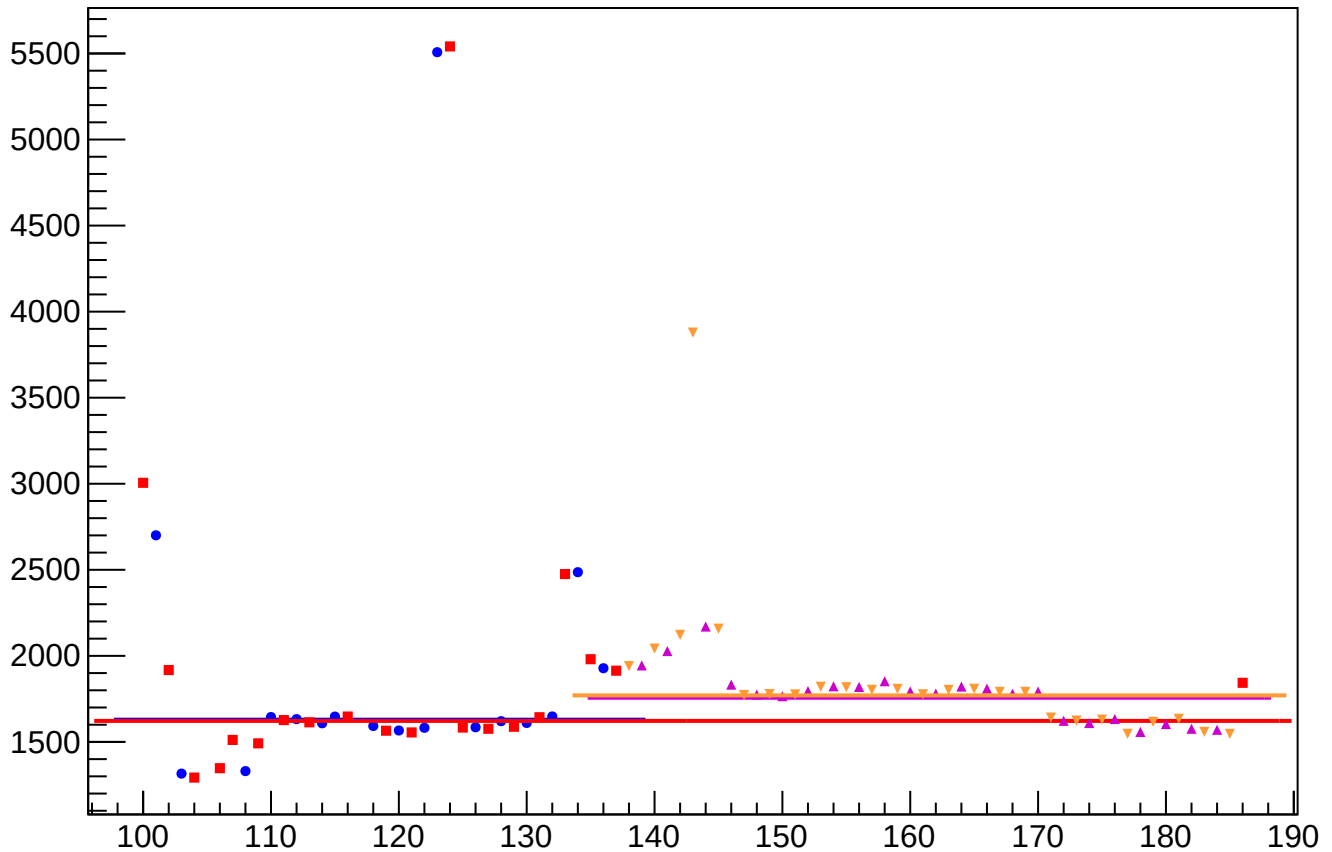
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 598.903 ± 350.065 χ^2/NDF : 37.9/41

All: 289.603 ± 246.573 χ^2/NDF : 78.0/84

- sign -14.942 ± 347.364 χ^2/NDF : 38.6/42

reg_asym_at2_dd_rms vs Slug



Right In: 1629.197 $\pm$ 0.457 χ^2 /NDF: 406744.5/16

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1622.104 $\pm$ 0.433 χ^2 /NDF: 445067.2/19

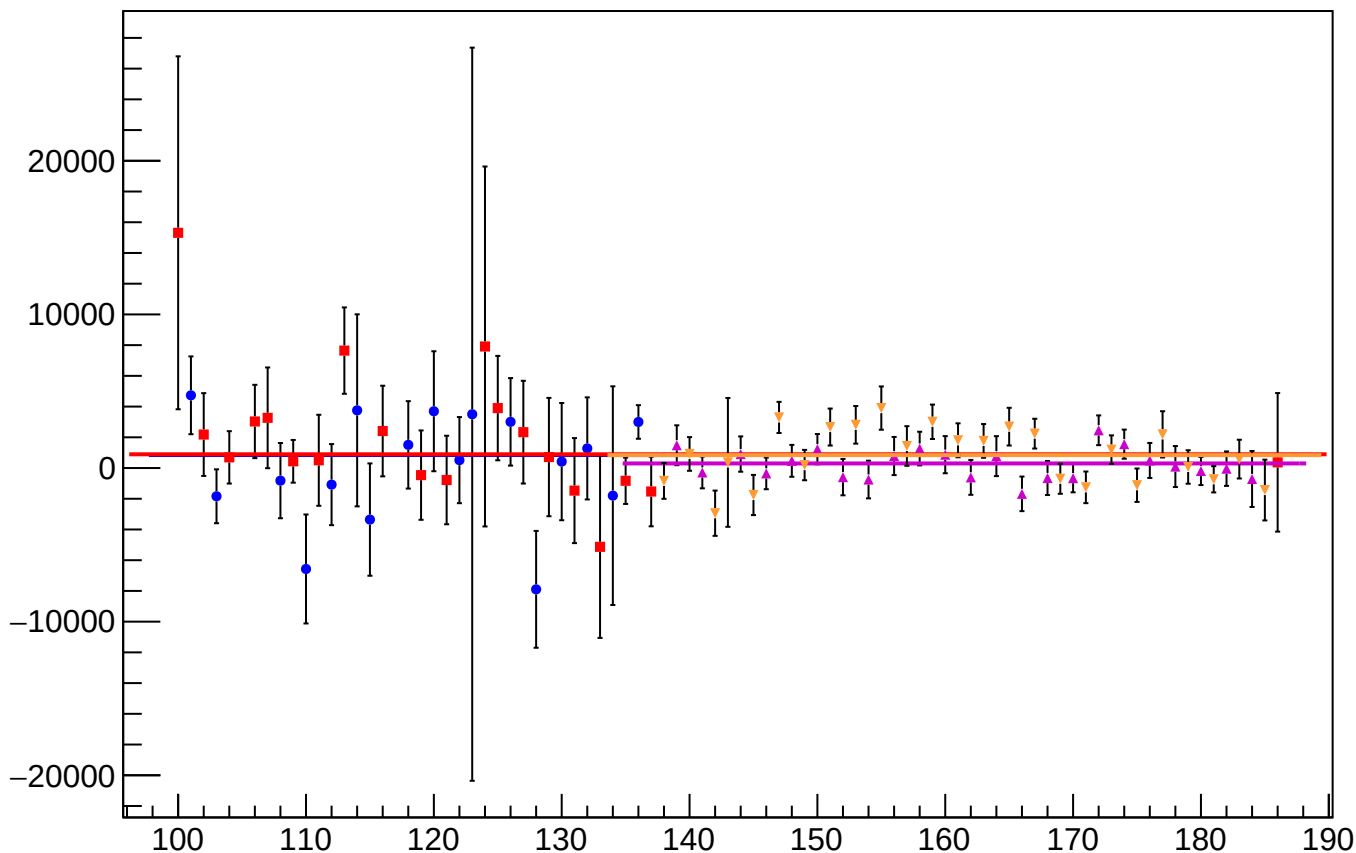
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1728.994 $\pm$ 0.248 χ^2 /NDF: 1173694.3/41

All: 1721.069 $\pm$ 0.174 χ^2 /NDF: 1909387.2/84

- sign 1713.266 $\pm$ 0.246 χ^2 /NDF: 733658.8/42

asym_at2_dd_correction_mean vs Slug



Right In: 846.430 $\pm$ 632.780 χ^2 /NDF: 22.1/16

Left Out: 839.344 $\pm$ 230.465 χ^2 /NDF: 54.4/24

Right Out: 894.045 $\pm$ 585.477 χ^2 /NDF: 15.2/19

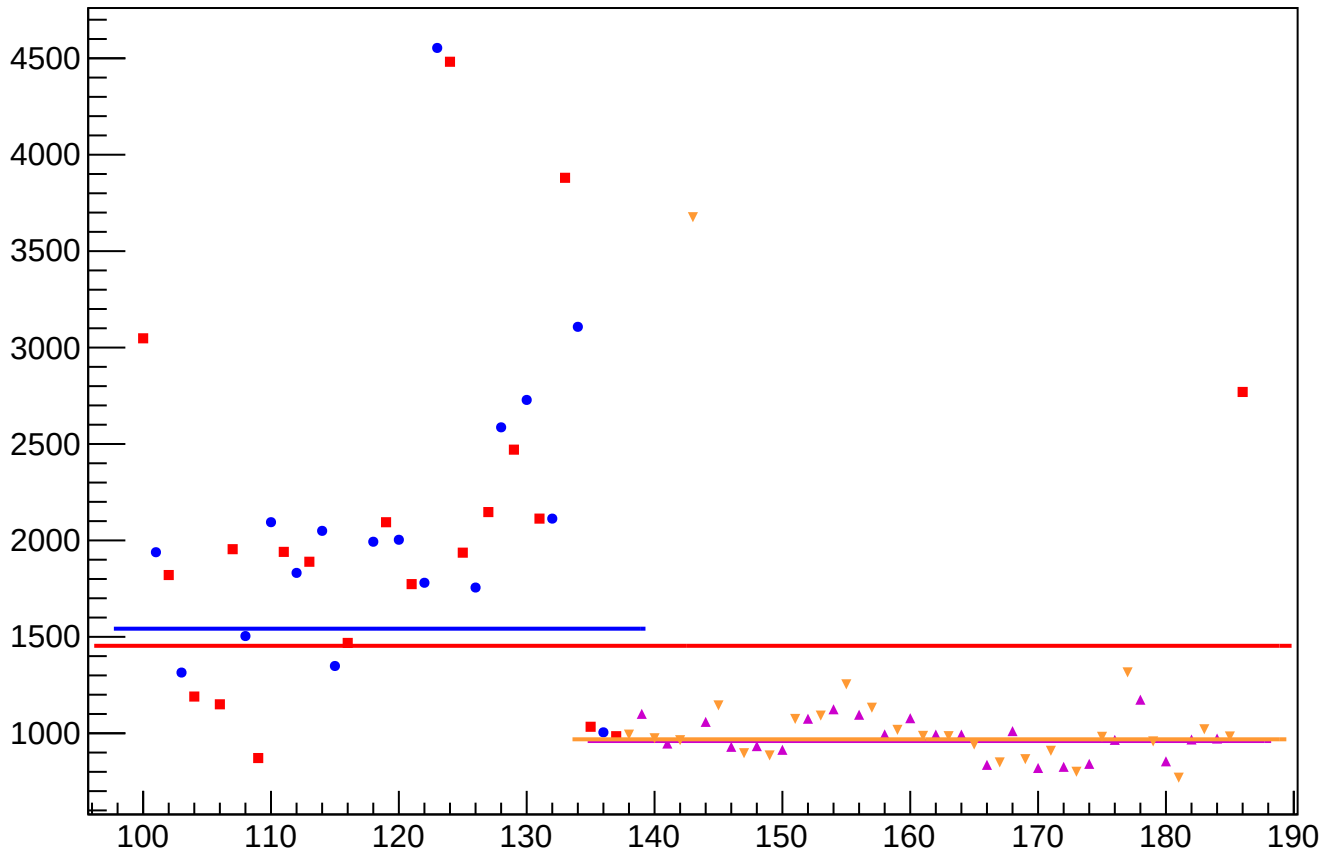
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 840.174 $\pm$ 216.550 χ^2 /NDF: 76.5/41

All: 608.258 $\pm$ 152.645 χ^2 /NDF: 113.2/84

- sign 379.221 $\pm$ 215.201 χ^2 /NDF: 34.4/42

asym_at2_dd_correction_rms vs Slug



Right In: 1542.291 $\pm$ 0.447 χ^2 /NDF: 1293220.0/16

Left Out: 968.712 $\pm$ 0.163 χ^2 /NDF: 1393696.6/24

Right Out: 1453.529 $\pm$ 0.414 χ^2 /NDF: 1996313.0/19

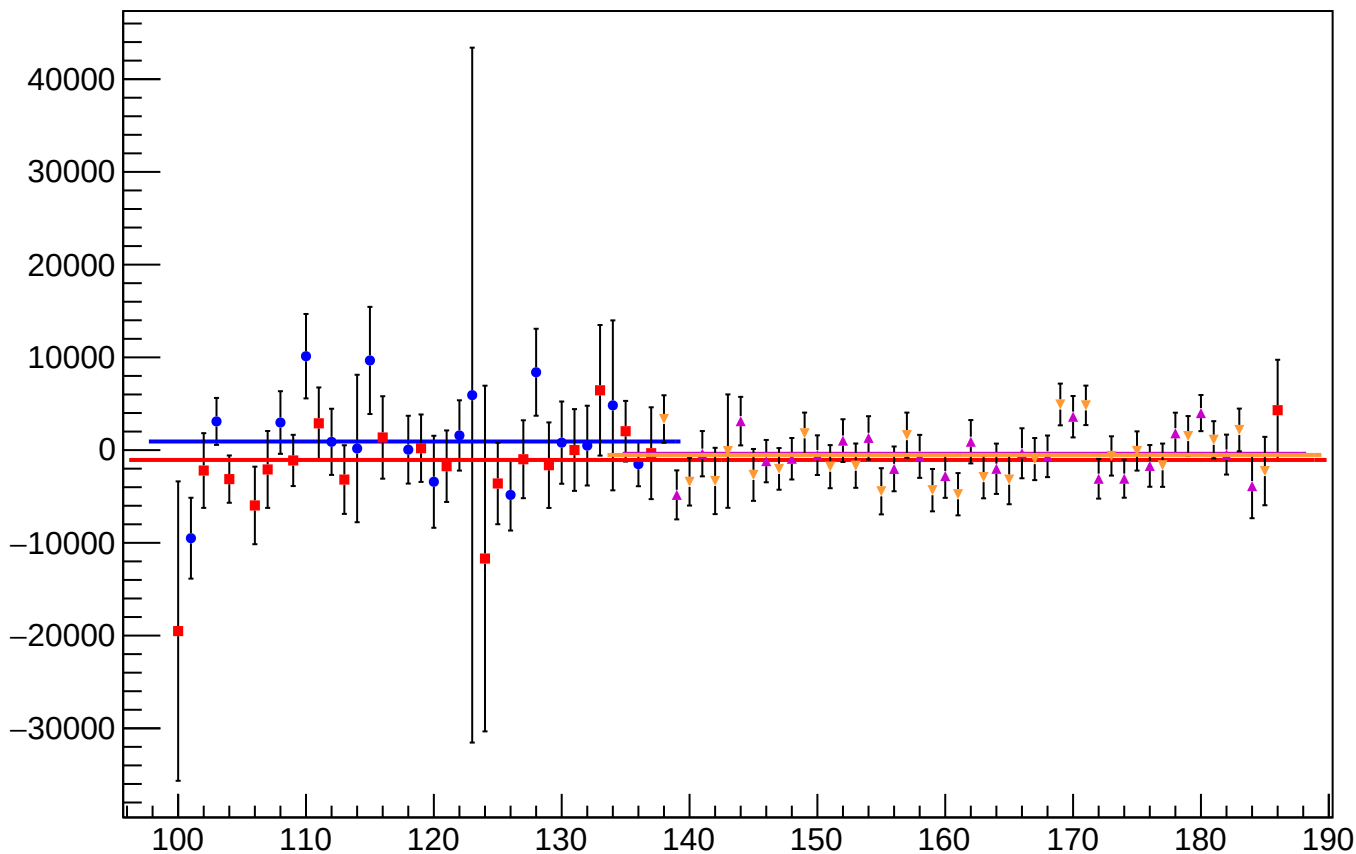
Left In: 959.805 $\pm$ 0.164 χ^2 /NDF: 371210.5/22

+ sign 1035.886 $\pm$ 0.153 χ^2 /NDF: 4137745.7/41

All: 1031.168 $\pm$ 0.108 χ^2 /NDF: 7737264.0/84

- sign 1026.509 $\pm$ 0.152 χ^2 /NDF: 3597631.4/42

asym_at2_dd_mean vs Slug



Right In: 928.405 ± 970.555 χ^2/NDF : 20.1/16

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -1060.333 ± 914.051 χ^2/NDF : 9.1/19

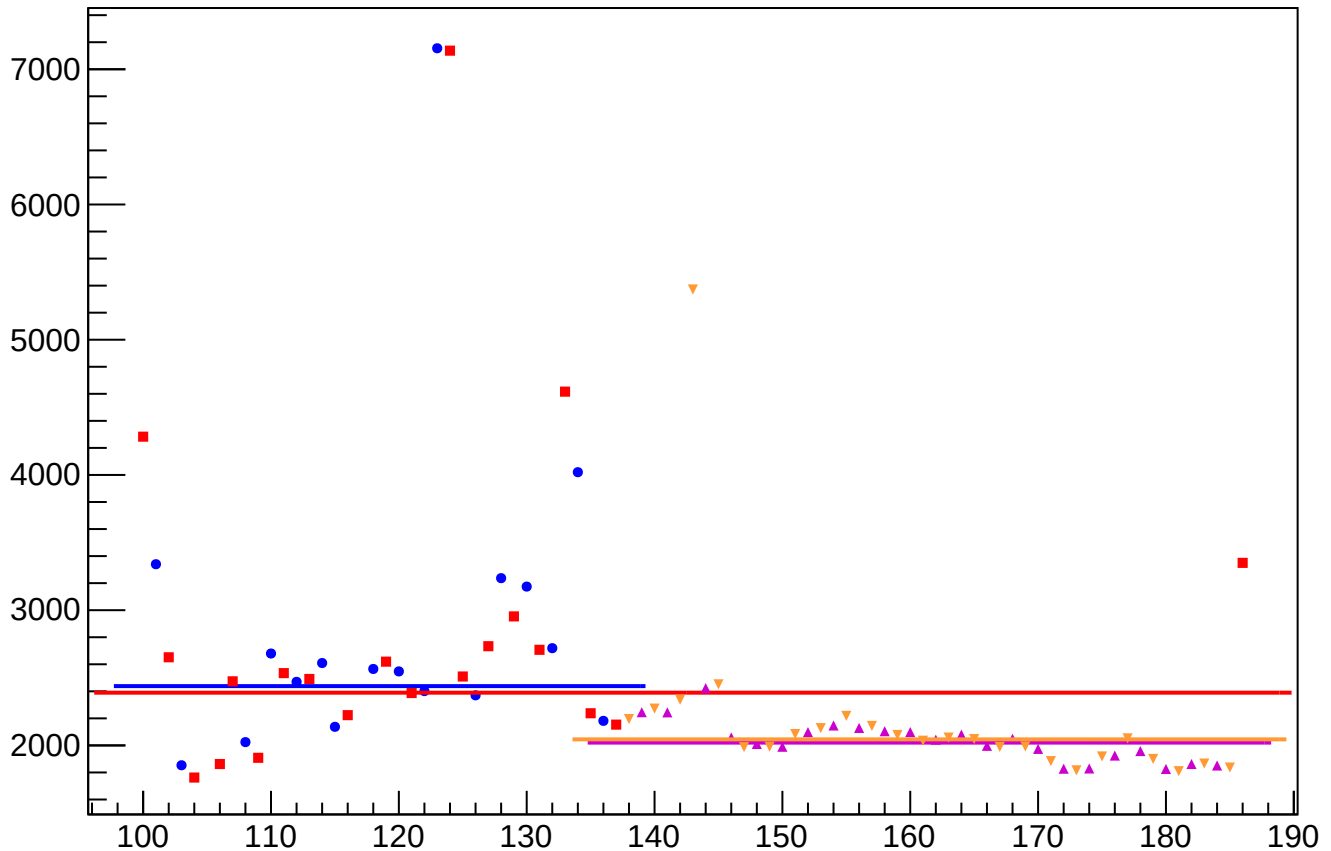
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -232.107 ± 431.326 χ^2/NDF : 55.9/41

All: -388.621 ± 303.975 χ^2/NDF : 87.5/84

- sign -543.061 ± 428.458 χ^2/NDF : 31.3/42

asym_at2_dd_rms vs Slug



Right In: 2438.478+/-0.686 χ^2/NDF : 474942.5/16

Left Out: 2044.722+/-0.340 χ^2/NDF : 788703.5/24

+ sign 2122.490+/-0.305 χ^2/NDF : 1527819.3/41

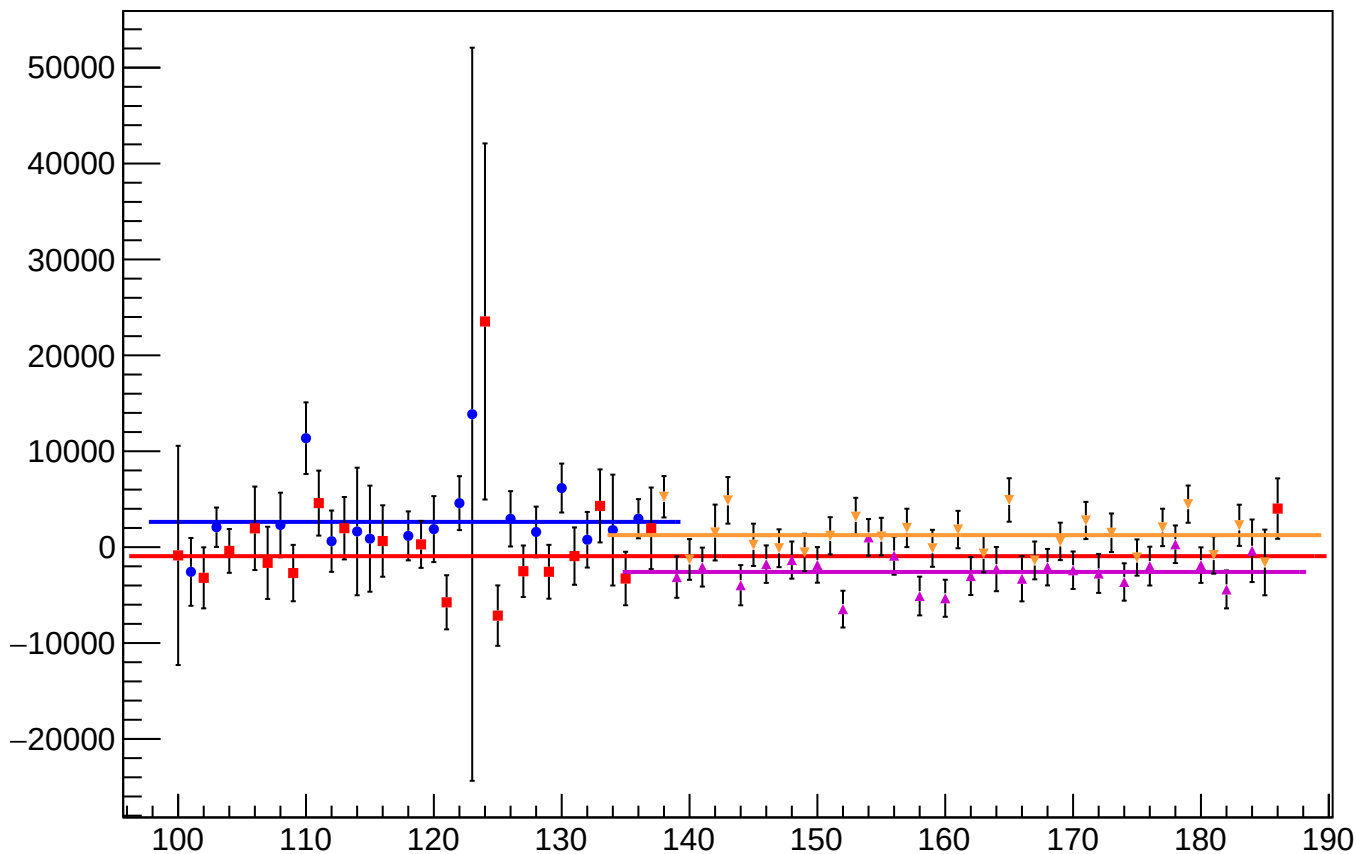
Right Out: 2390.003+/-0.646 χ^2/NDF : 721543.4/19

All: 2112.139+/-0.215 χ^2/NDF : 2679758.8/84

- sign 2101.924+/-0.303 χ^2/NDF : 1149650.9/42

Left In: 2020.802+/-0.343 χ^2/NDF : 173502.0/22

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2633.941 ± 745.154 χ^2/NDF : 11.7/16

Left Out: 1249.917 ± 412.486 χ^2/NDF : 23.0/24

Right Out: -940.184 ± 721.977 χ^2/NDF : 20.0/19

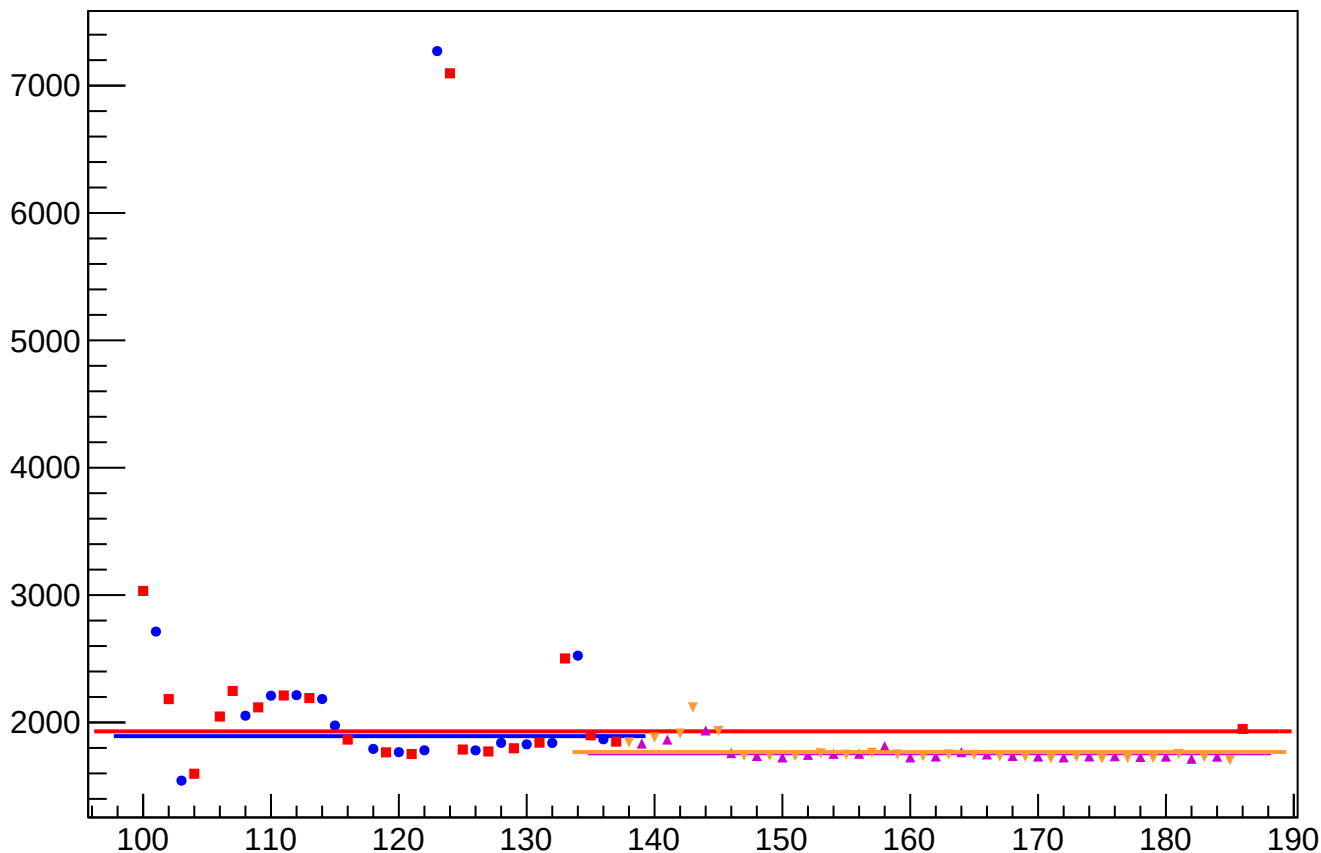
Left In: -2586.937 ± 421.510 χ^2/NDF : 17.5/22

+ sign 1574.544 ± 360.883 χ^2/NDF : 37.4/41

All: -280.727 ± 256.282 χ^2/NDF : 132.1/84

- sign -2168.321 ± 364.013 χ^2/NDF : 41.4/42

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1892.368+/-0.527 χ^2/NDF : 287730.3/16

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1930.280+/-0.510 χ^2/NDF : 360353.9/19

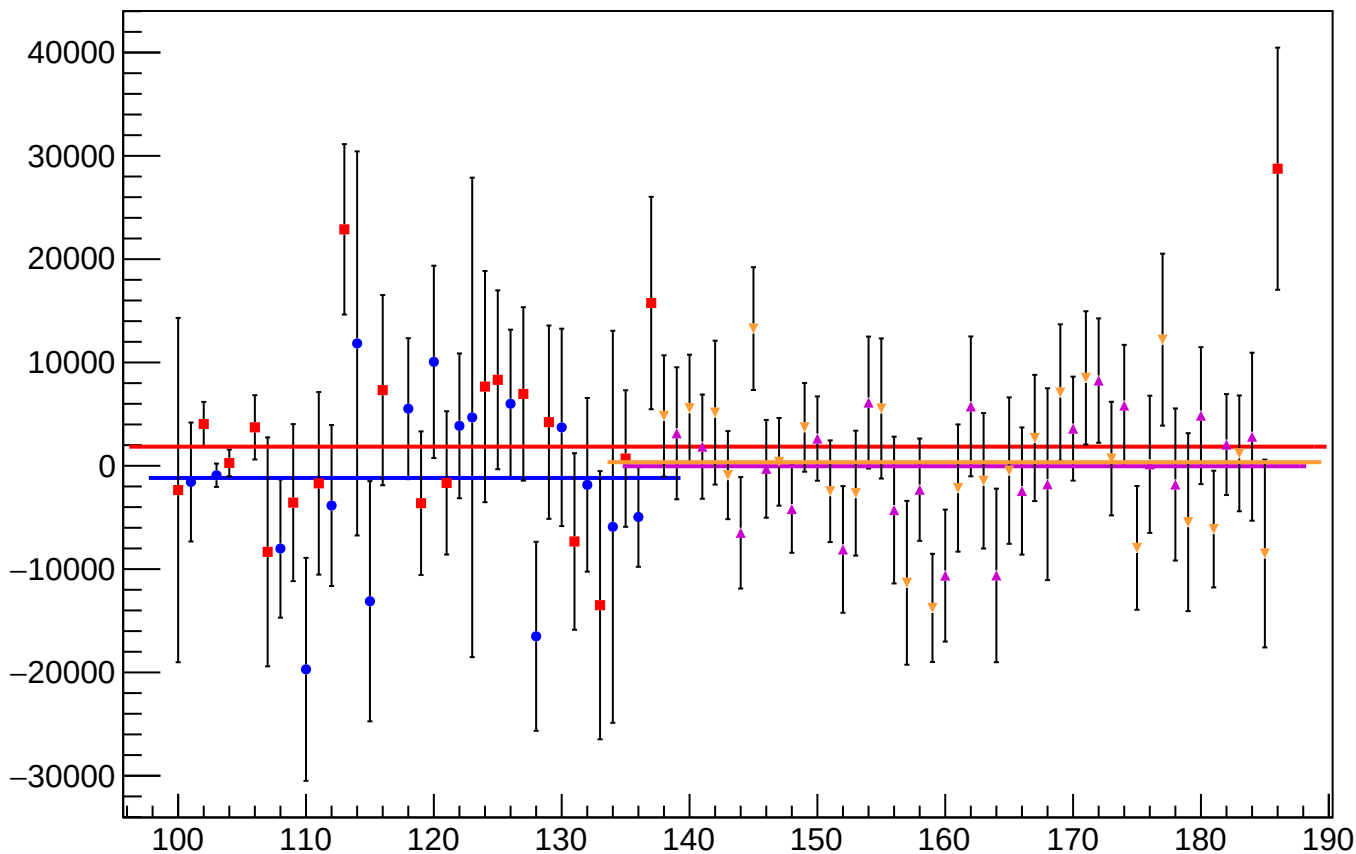
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1796.801+/-0.255 χ^2/NDF : 408382.6/41

All: 1799.354+/-0.181 χ^2/NDF : 883790.7/84

- sign 1801.949+/-0.257 χ^2/NDF : 475206.3/42

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1175.288 ± 985.256 χ^2/NDF : 13.5/16

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 1852.995 ± 939.027 χ^2/NDF : 23.2/19

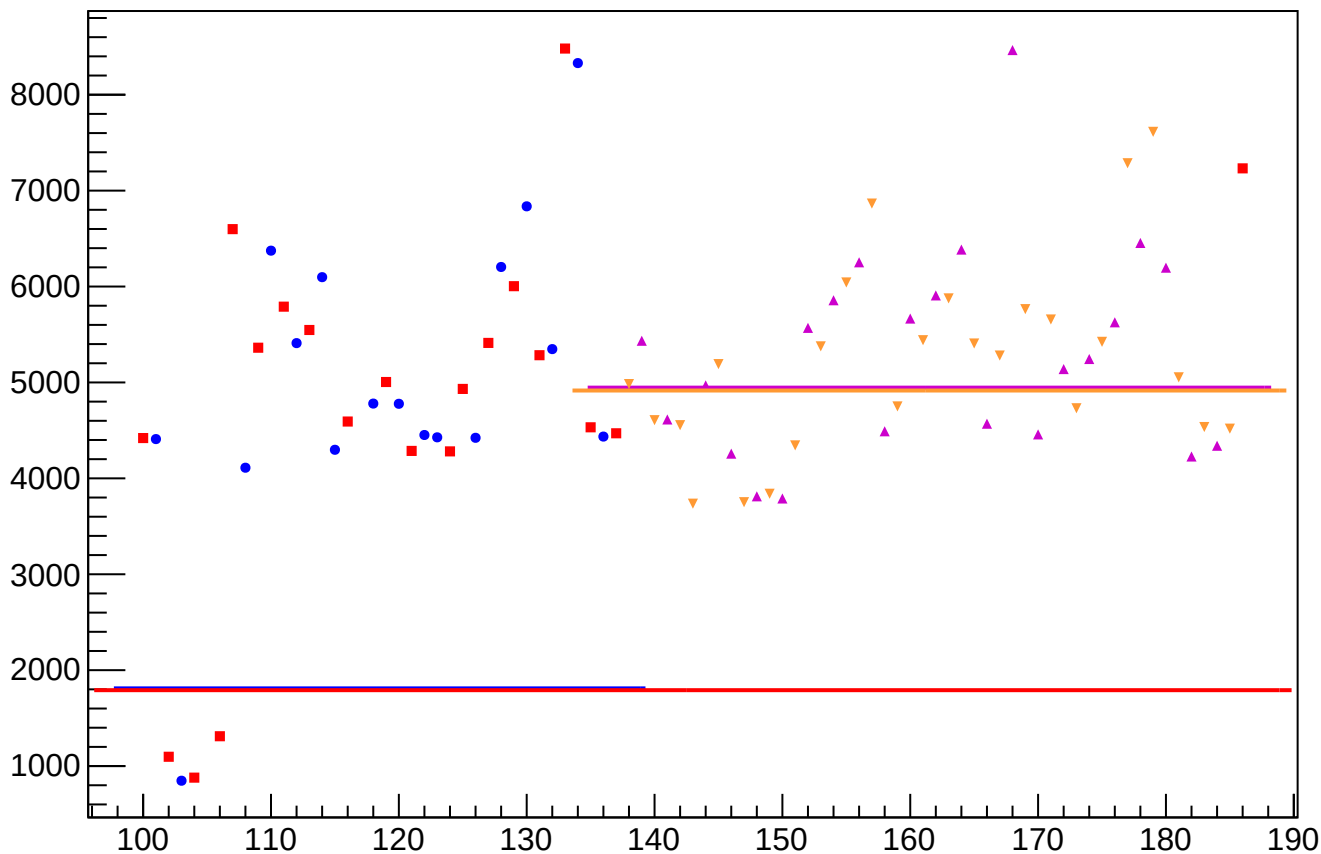
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -541.958 ± 753.649 χ^2/NDF : 42.3/41

All: 312.639 ± 528.477 χ^2/NDF : 85.5/84

- sign 1139.375 ± 741.262 χ^2/NDF : 40.7/42

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1810.087 $\pm$ 0.697 χ^2 /NDF: 6438570.3/16

Left Out: 4915.865 $\pm$ 0.827 χ^2 /NDF:1186479.7/24

Right Out: 1791.375 $\pm$ 0.664 χ^2 /NDF: 6729548.1/19

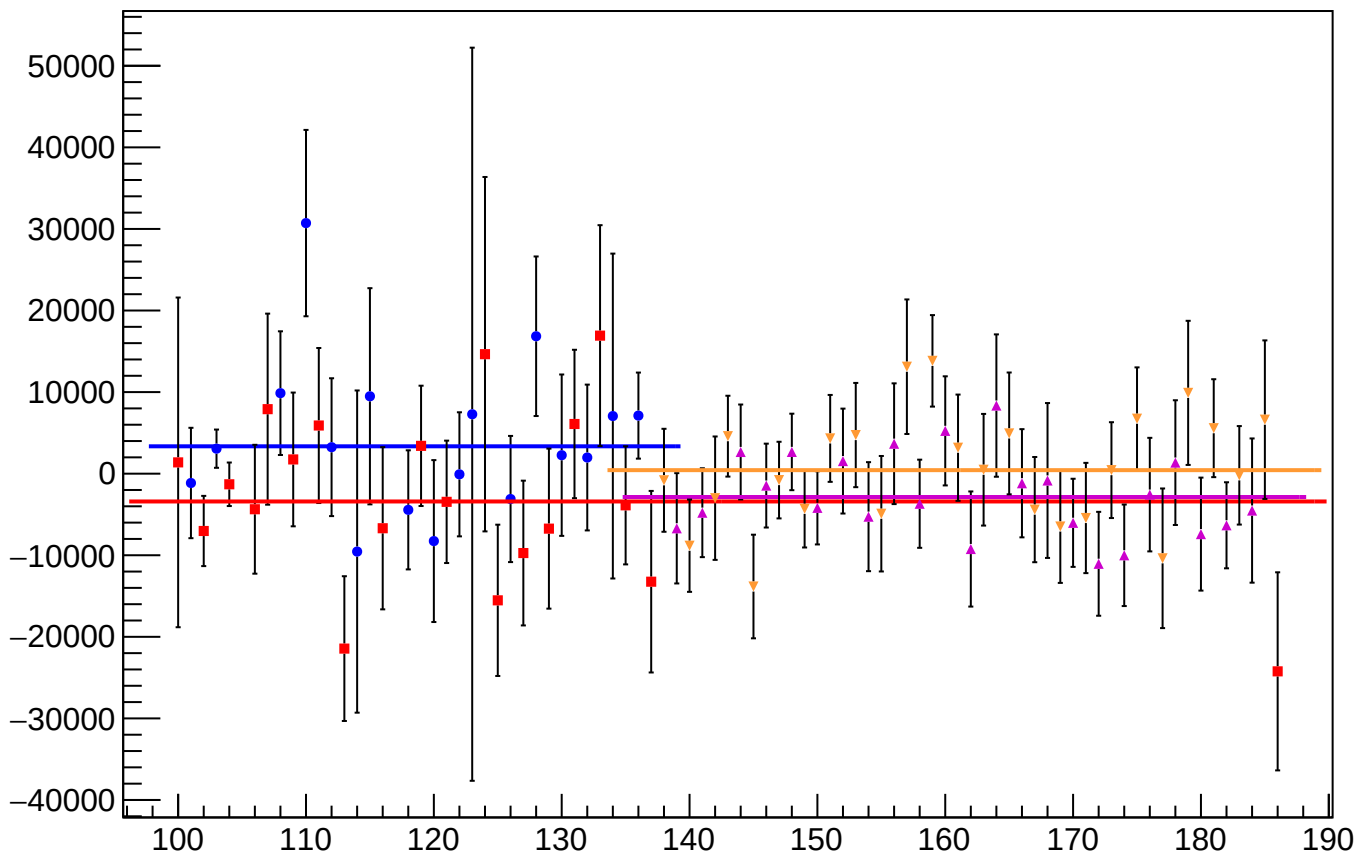
Left In: 4945.817 $\pm$ 0.854 χ^2 /NDF:1188288.6/22

+ sign 3098.631 $\pm$ 0.533 χ^2 /NDF: 15870257.1/41

All: 3038.407 $\pm$ 0.374 χ^2 /NDF: 32318629.3/6

- sign 2980.147 $\pm$ 0.524 χ^2 /NDF: 16423246.5/42

asym_atl1r2_avg_mean vs Slug



Right In: 3354.333+/-1609.286 χ^2/NDF : 13.5/16

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: -3407.538+/-1594.120 χ^2/NDF : 18.9/19

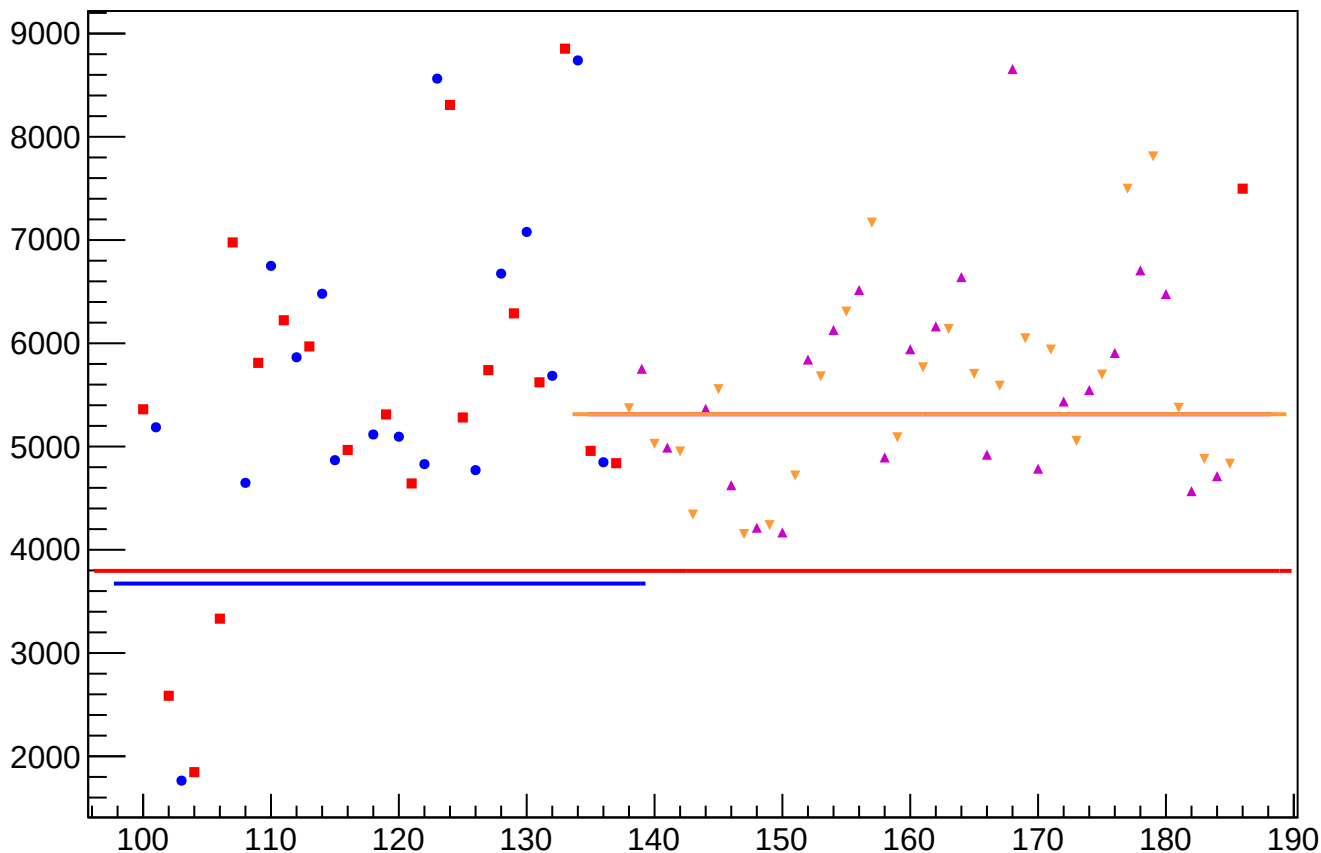
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 1540.022+/-991.246 χ^2/NDF : 42.7/41

All: -739.384+/-705.343 χ^2/NDF : 85.2/84

- sign -3077.292+/-1003.886 χ^2/NDF : 31.8/42

asym_atl1r2_avg_rms vs Slug



Right In: 3672.737 $\pm$ 1.138 χ^2 /NDF: 2780170.9/16

Left Out: 5313.008 $\pm$ 0.890 χ^2 /NDF: 894369.8/24

Right Out: 3795.768 $\pm$ 1.120 χ^2 /NDF: 2881638.7/19

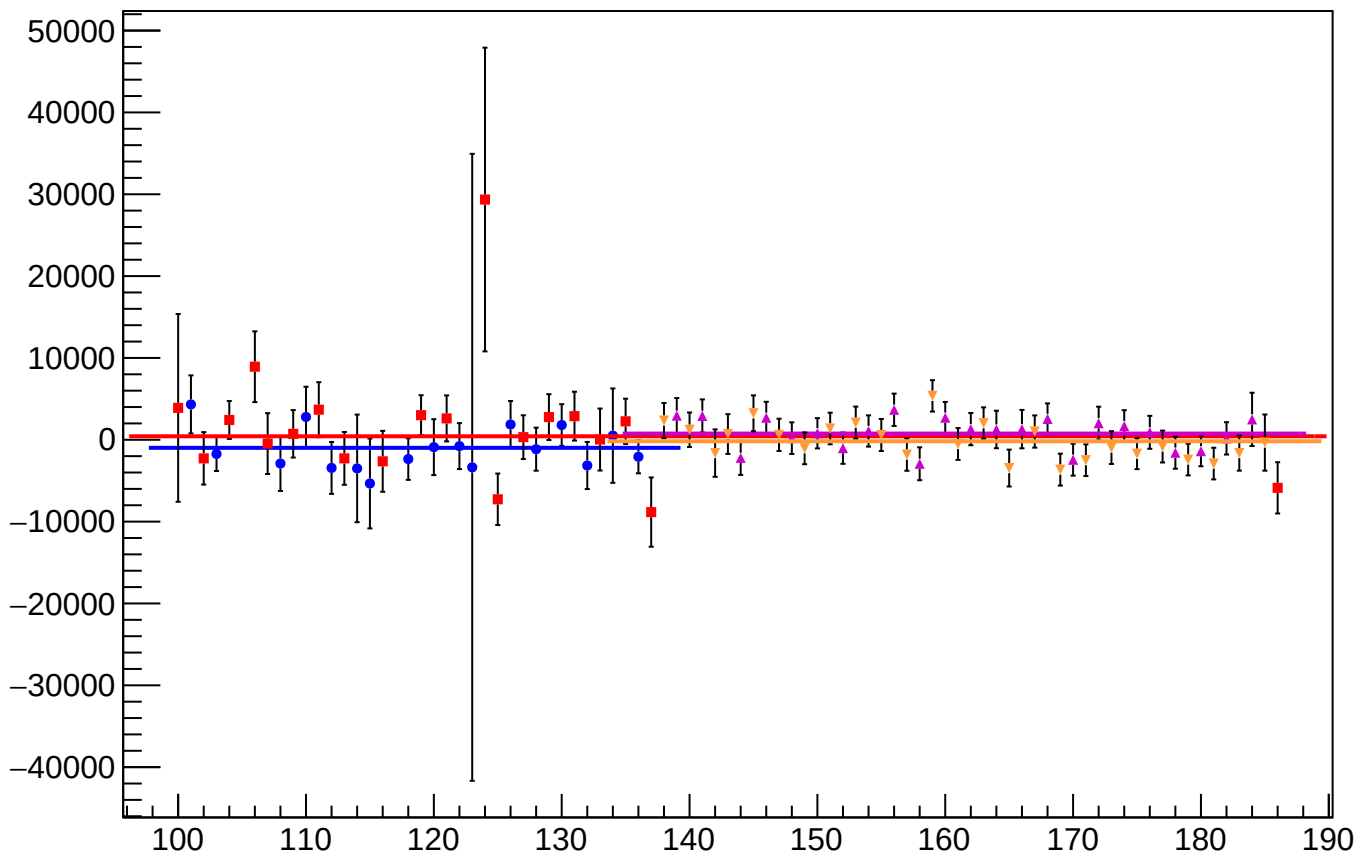
Left In: 5312.861 $\pm$ 0.914 χ^2 /NDF: 957400.7/22

+ sign 4690.691 $\pm$ 0.701 χ^2 /NDF: 4963999.5/41

All: 4698.489 $\pm$ 0.498 χ^2 /NDF: 9904999.6/84

- sign 4706.445 $\pm$ 0.708 χ^2 /NDF: 4940750.0/42

reg_asym_atl1r2_dd_mean vs Slug



Right In: -984.395 ± 742.831 χ^2/NDF : 8.5/16

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: 426.962 ± 719.833 χ^2/NDF : 28.6/19

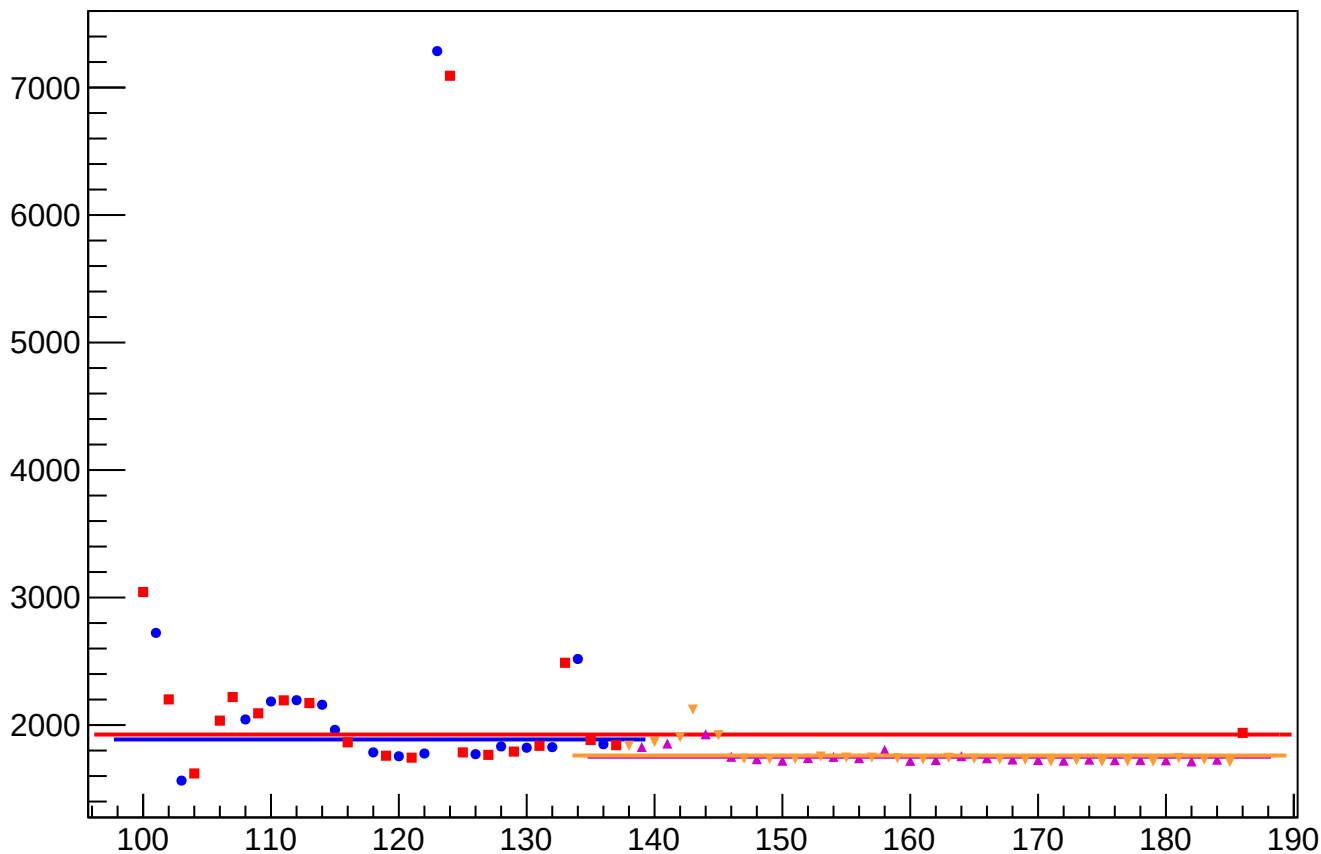
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -368.358 ± 359.608 χ^2/NDF : 38.7/41

All: 148.978 ± 255.369 χ^2/NDF : 91.9/84

- sign 675.262 ± 362.705 χ^2/NDF : 49.0/42

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1887.042+/-0.525 χ^2/NDF : 279163.5/16

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1925.537+/-0.508 χ^2/NDF : 349593.0/19

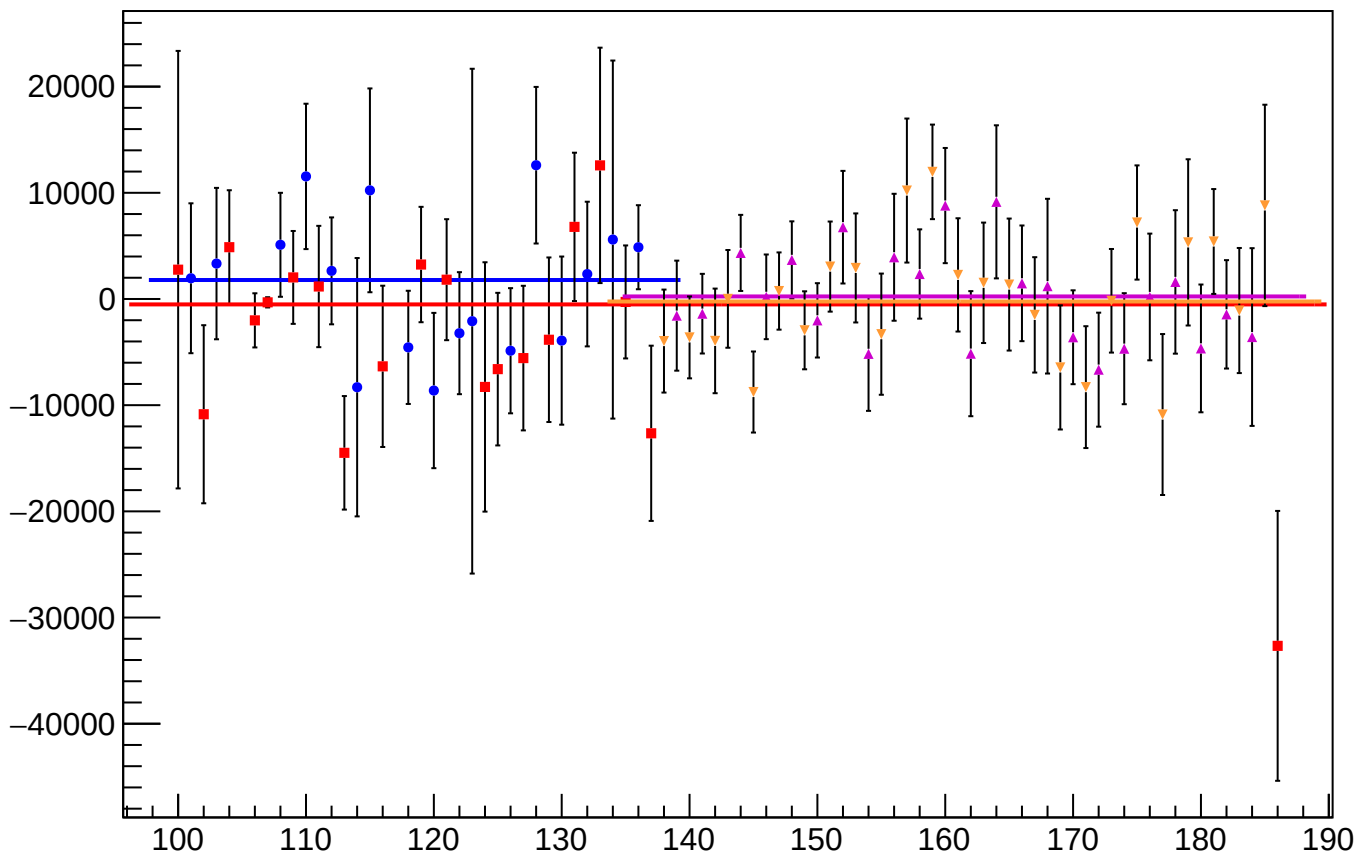
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1790.608+/-0.254 χ^2/NDF : 400655.0/41

All: 1793.145+/-0.181 χ^2/NDF : 866531.4/84

- sign 1795.723+/-0.256 χ^2/NDF : 465675.8/42

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1787.135 $\pm$ 1585.326 χ^2 /NDF: 12.9/16

Left Out: -235.806 $\pm$ 1005.144 χ^2 /NDF:28.9/24

Right Out: -510.566 $\pm$ 453.476 χ^2 /NDF: 24.5/19

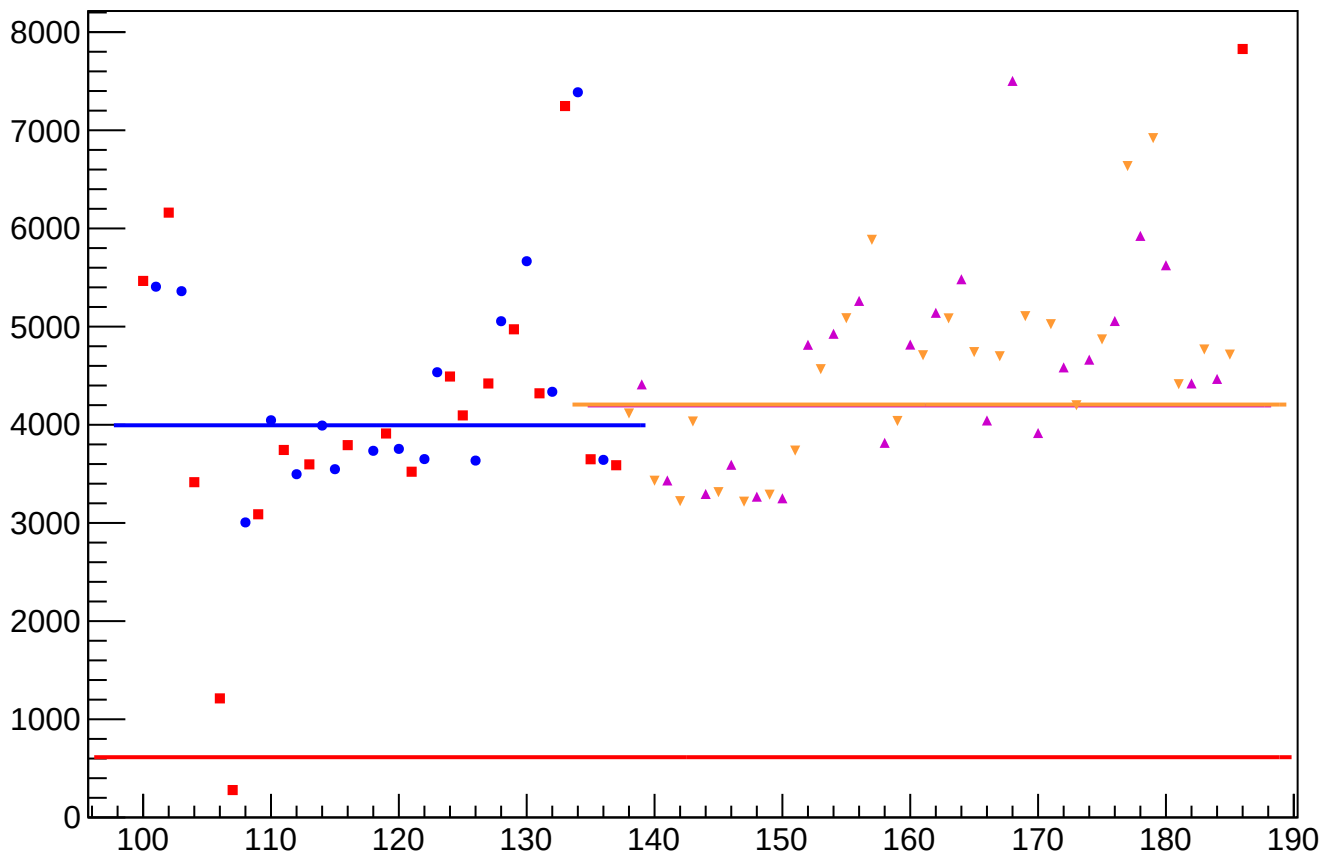
Left In: 239.224 $\pm$ 1028.883 χ^2 /NDF:15.3/22

+ sign 344.232 $\pm$ 848.897 χ^2 /NDF: 42.9/41

All: -247.269 $\pm$ 372.803 χ^2 /NDF: 83.8/84

- sign -388.606 $\pm$ 414.959 χ^2 /NDF: 40.3/42

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3994.850+/-1.121 χ^2/NDF : 514121.6/16

Left Out: 4206.076+/-0.711 χ^2/NDF :1442269.3/24

Right Out: 613.795+/-0.321 χ^2/NDF : 10858607.9/19

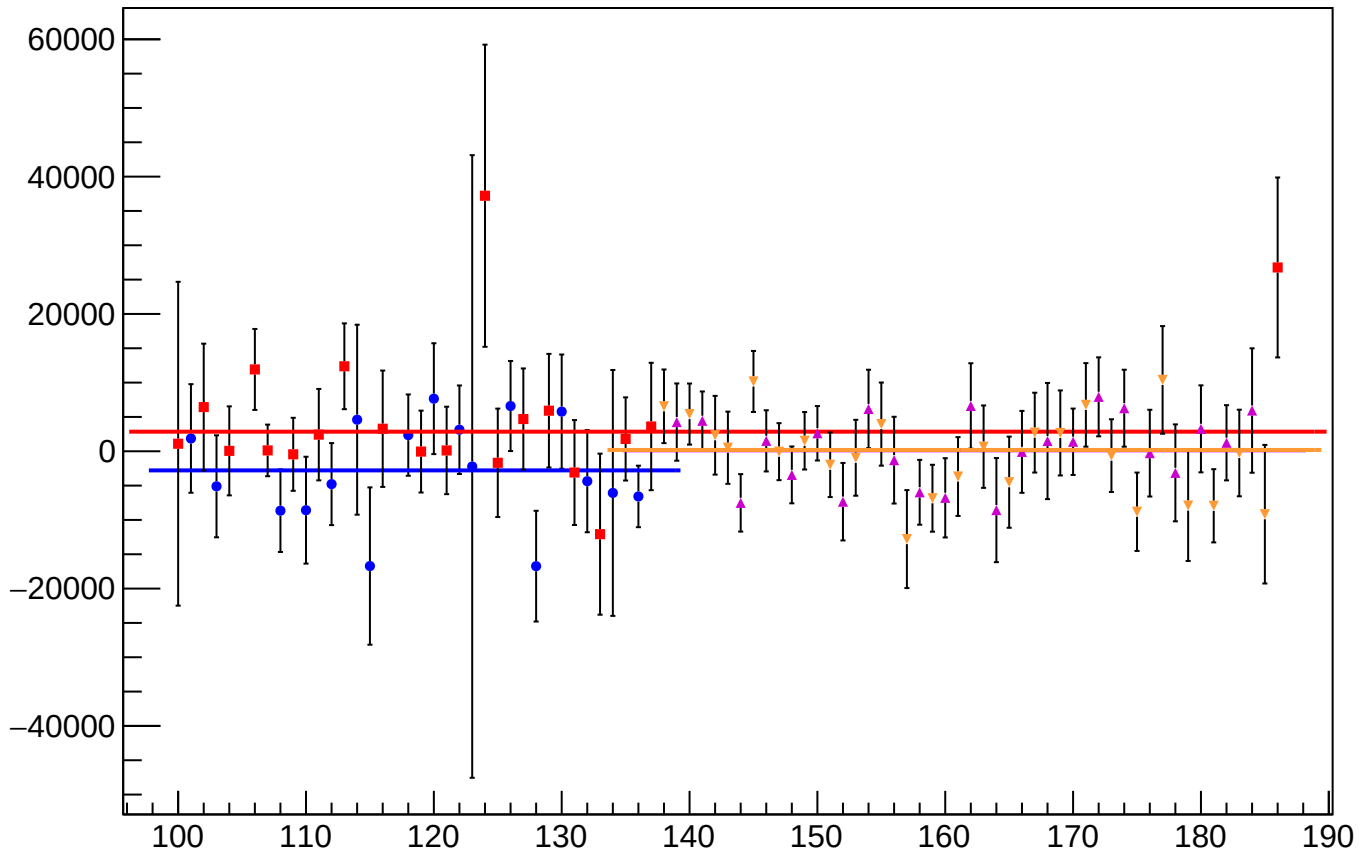
Left In: 4197.267+/-0.728 χ^2/NDF :1471012.9/22

+ sign 4145.511+/-0.600 χ^2/NDF : 1981715.4/41

All: 1765.399+/-0.264 χ^2/NDF : 54104950.7/8

- sign 1196.680+/-0.293 χ^2/NDF : 32644215.1/42

asym_atl1r2_dd_mean vs Slug



Right In: -2785.964 ± 1791.352 χ^2/NDF : 14.0/16

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 2852.655 ± 1566.646 χ^2/NDF : 14.9/19

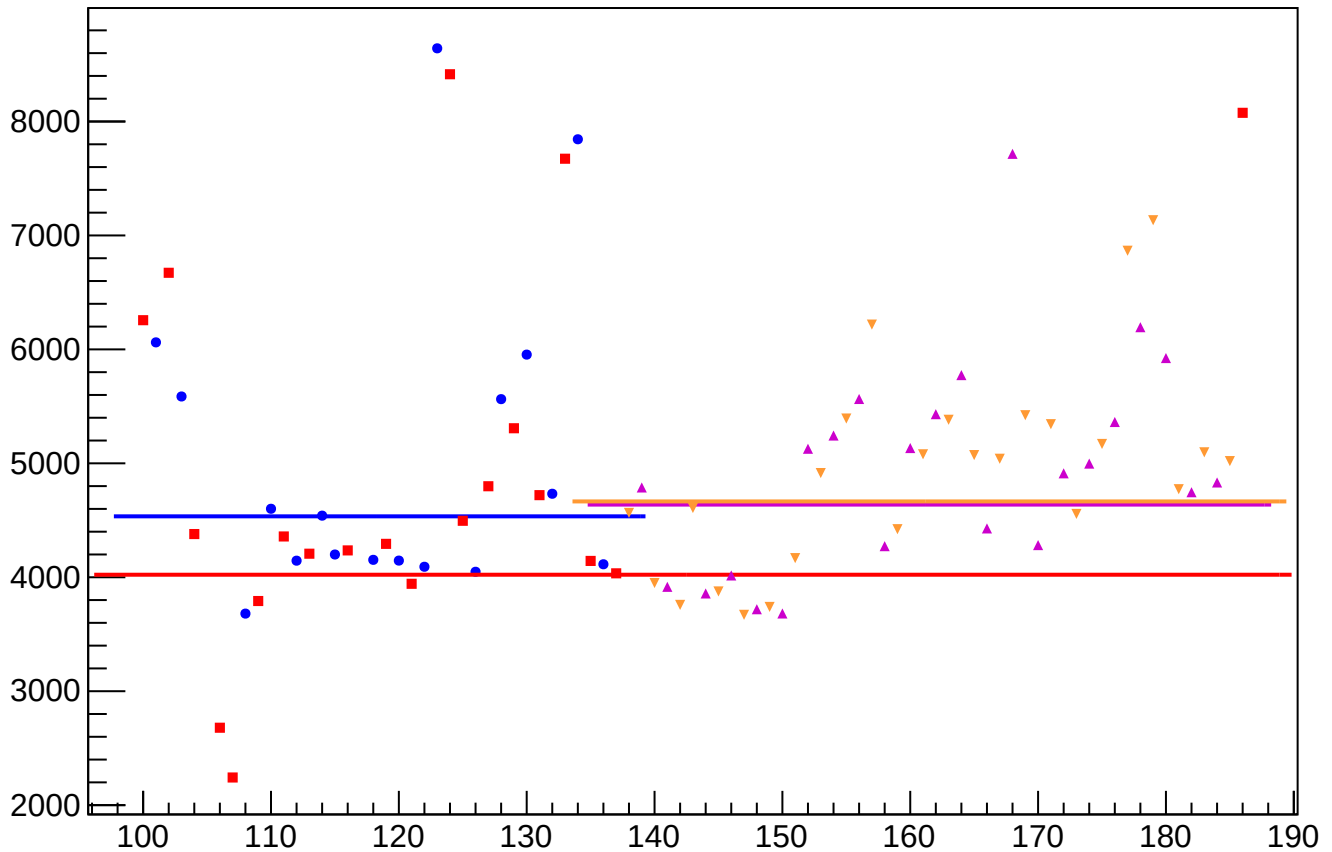
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -632.453 ± 941.606 χ^2/NDF : 41.0/41

All: 240.056 ± 656.683 χ^2/NDF : 78.1/84

- sign 1066.280 ± 916.291 χ^2/NDF : 35.5/42

asym_atl1r2_dd_rms vs Slug



Right In: 4534.748+/-1.267 χ^2/NDF : 393206.7/16

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

Right Out: 4022.300+/-1.101 χ^2/NDF : 1336204.5/19

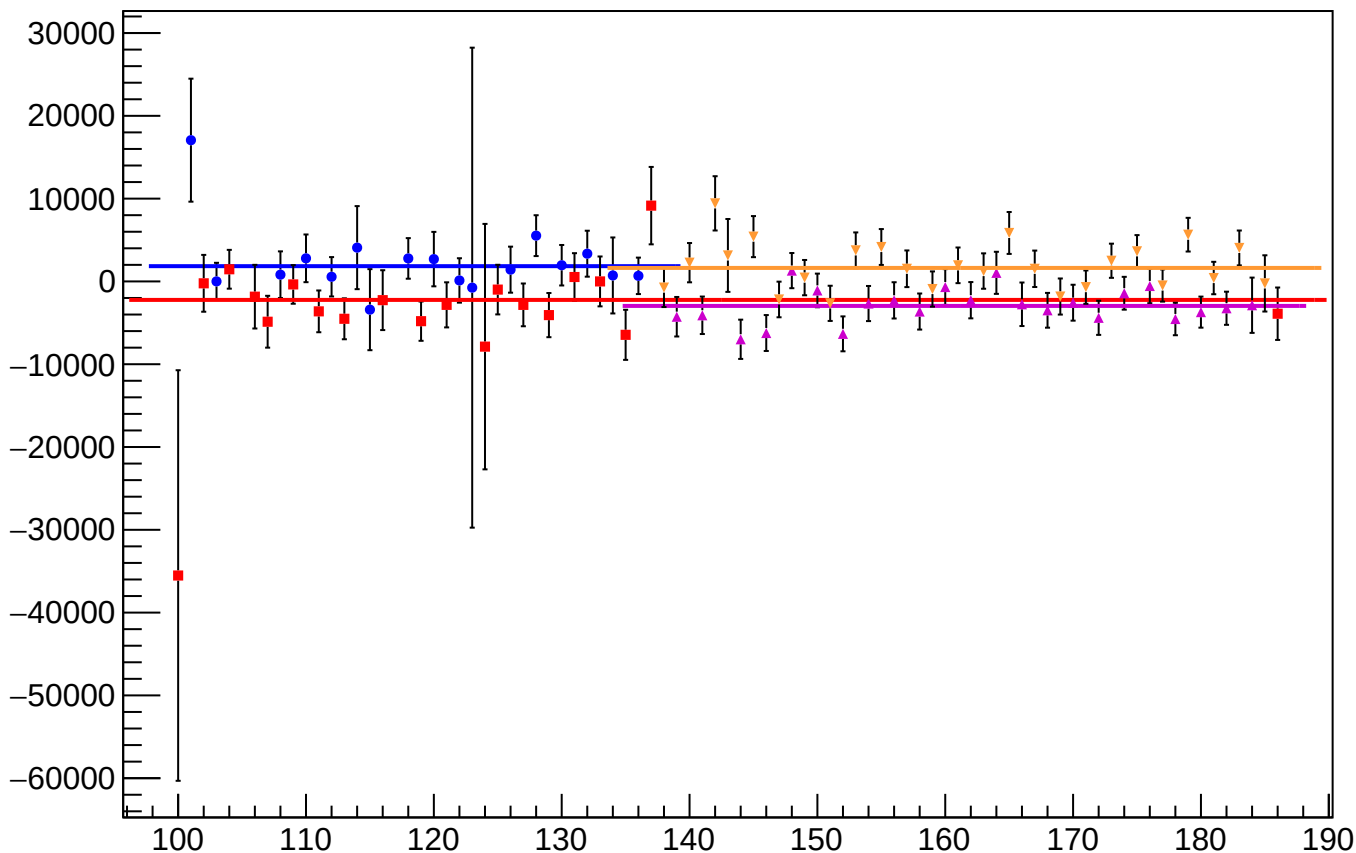
Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

+ sign 4629.460+/-0.666 χ^2/NDF : 1418167.1/41

All: 4524.467+/-0.464 χ^2/NDF : 4072687.6/84

- sign 4425.476+/-0.647 χ^2/NDF : 2606209.0/42

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1842.914+/-713.221 χ^2 /NDF: 10.3/16

Left Out: 1630.035+/-447.063 χ^2 /NDF:35.4/24

Right Out: -2232.976+/-670.488 χ^2 /NDF: 18.8/19

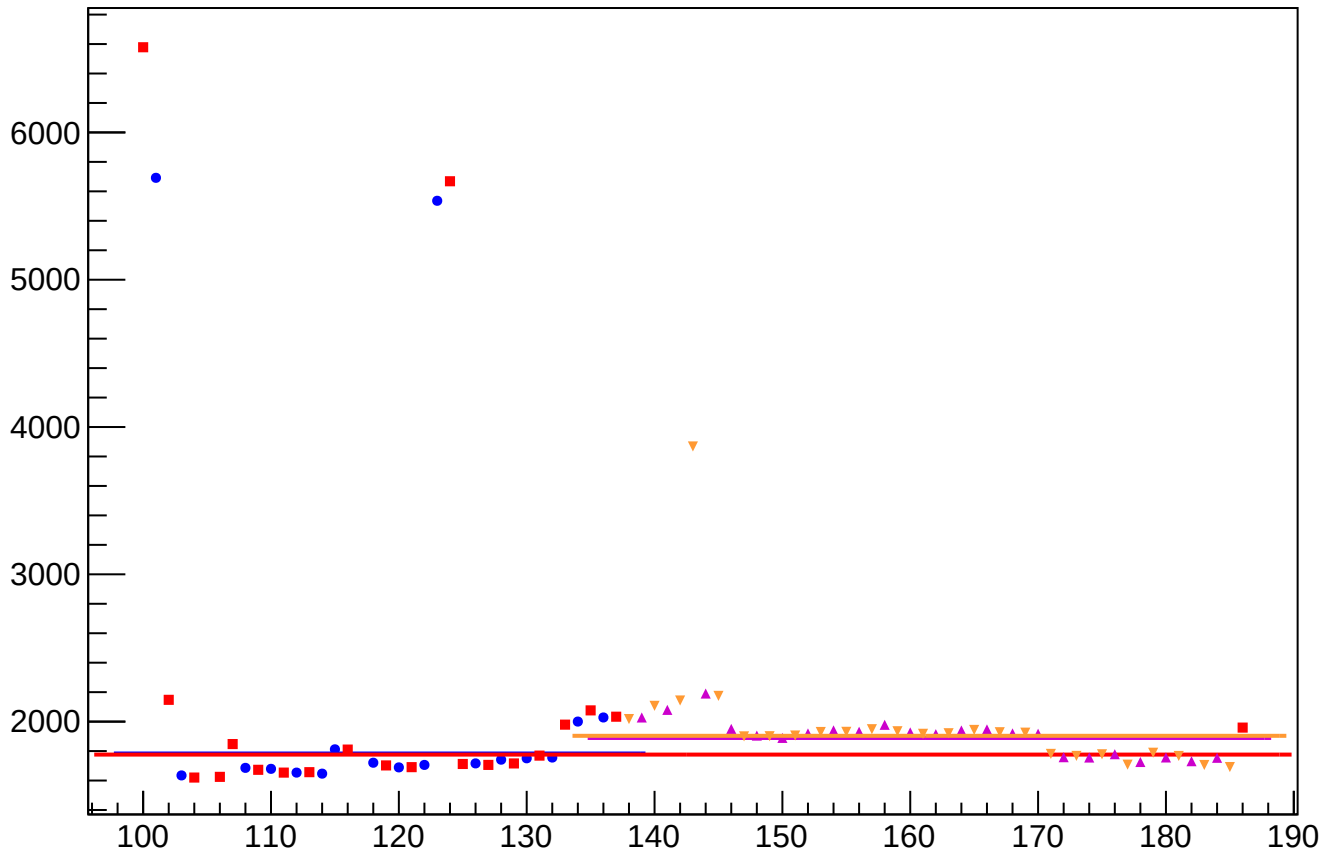
Left In: -2958.620+/-453.688 χ^2 /NDF:20.4/22

+ sign 1690.083+/-378.798 χ^2 /NDF: 45.8/41

All: -538.177+/-266.767 χ^2 /NDF: 154.5/84

- sign -2730.722+/-375.750 χ^2 /NDF: 40.1/42

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1783.480+/-0.504 χ^2/NDF : 644626.7/16

Left Out: 1903.618+/-0.316 χ^2/NDF : 541575.7/24

Right Out: 1776.119+/-0.471 χ^2/NDF : 313039.9/19

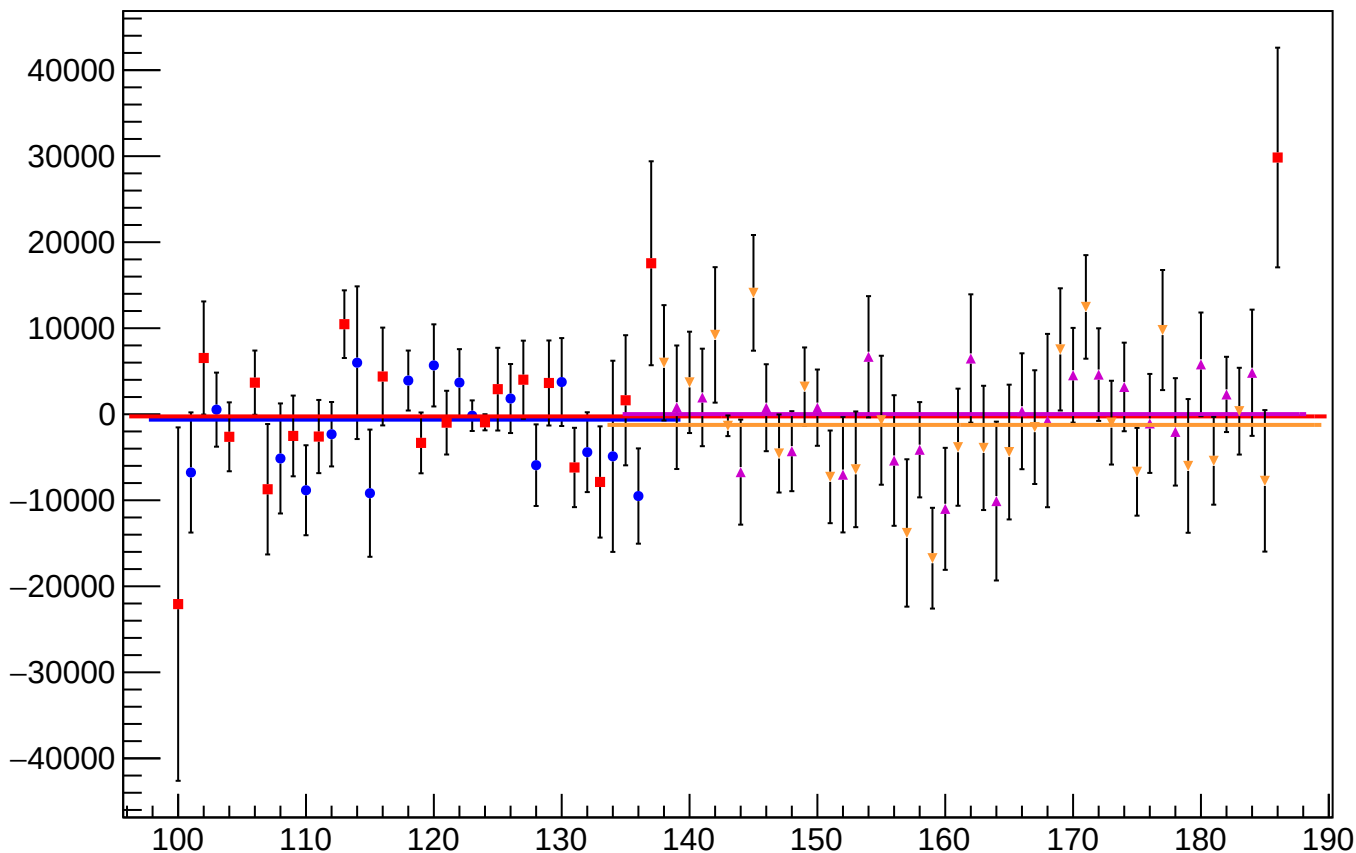
Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

+ sign 1869.730+/-0.268 χ^2/NDF : 1226942.3/41

All: 1861.369+/-0.188 χ^2/NDF : 1707514.6/84

- sign 1853.177+/-0.265 χ^2/NDF : 478643.3/42

asym_atr1l2_avg_correction_mean vs Slug



Right In: -628.255 ± 1010.986 χ^2/NDF : 16.4/16

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: -250.568 ± 724.707 χ^2/NDF : 27.7/19

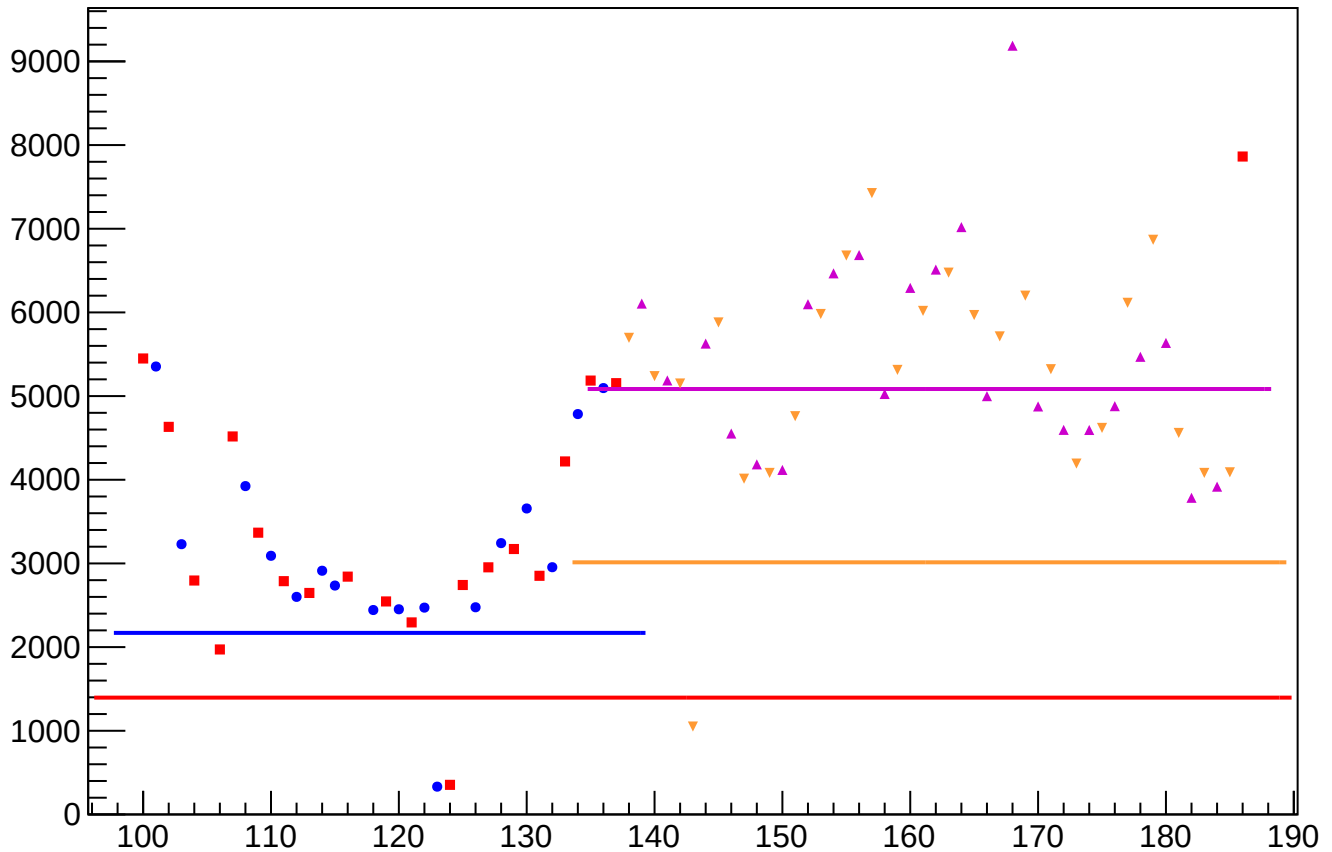
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -981.280 ± 657.346 χ^2/NDF : 50.5/41

All: -562.725 ± 453.367 χ^2/NDF : 92.3/84

- sign -183.003 ± 626.109 χ^2/NDF : 41.0/42

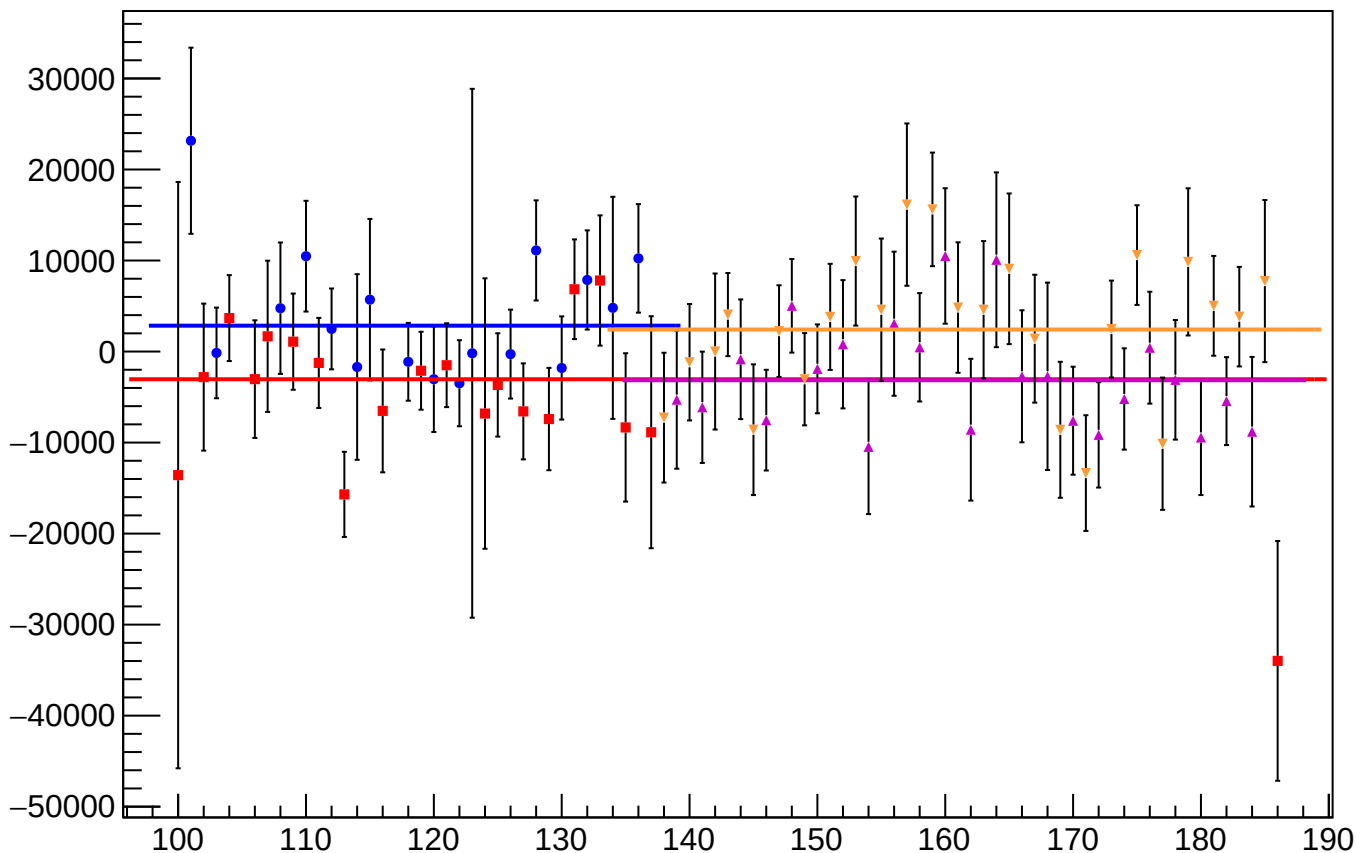
asym_atr1l2_avg_correction_rms vs Slug



Right In: 2169.912 $\pm$ 0.715 χ^2 /NDF: 3978081.8/16
 Left Out: 3013.268 $\pm$ 0.612 χ^2 /NDF: 12270753.9/24
 Right Out: 1396.263 $\pm$ 0.512 χ^2 /NDF: 7353343.6/19
 Left In: 5084.645 $\pm$ 0.879 χ^2 /NDF: 1303587.7/22

+ sign 2656.728 $\pm$ 0.465 χ^2 /NDF: 17052206.4/41
 All: 2486.261 $\pm$ 0.321 χ^2 /NDF: 39103189.7/8
 - sign 2331.609 $\pm$ 0.443 χ^2 /NDF: 21794461.5/42

asym_atr1l2_avg_mean vs Slug



Right In: 2842.572+/-1452.178 χ^2/NDF : 15.7/16

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -3043.719+/-1375.375 χ^2/NDF : 23.8/19

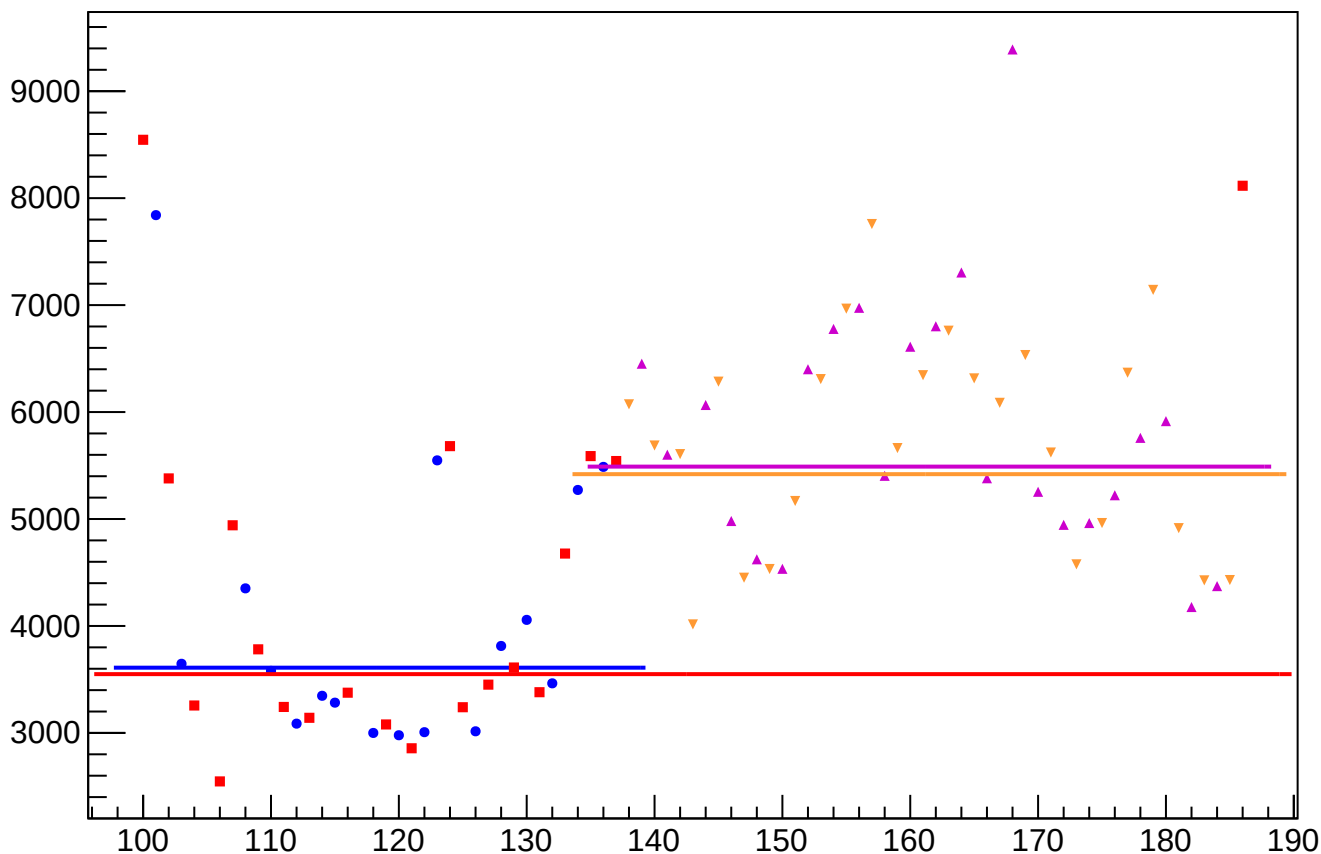
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2604.249+/-962.957 χ^2/NDF : 45.6/41

All: -260.214+/-679.446 χ^2/NDF : 102.5/84

- sign -3100.121+/-958.821 χ^2/NDF : 39.3/42

asym_atr1l2_avg_rms vs Slug



Right In: 3610.008+/-1.027 χ^2 /NDF: 783187.3/16

Left Out: 5419.305+/-0.910 χ^2 /NDF:1109972.1/24

Right Out: 3549.663+/-0.959 χ^2 /NDF: 904515.4/19

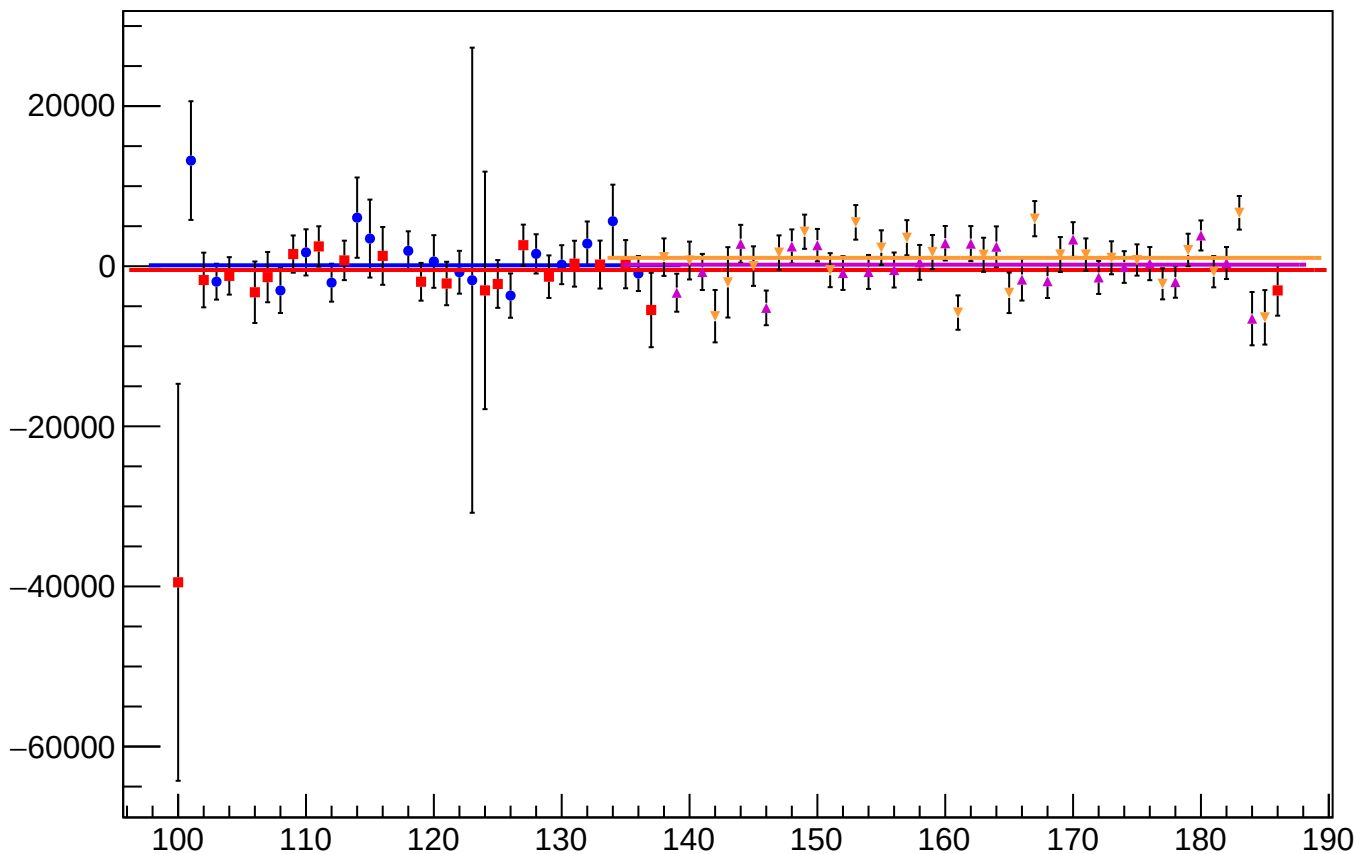
Left In: 5489.885+/-0.946 χ^2 /NDF:1064353.3/22

+ sign 4623.719+/-0.681 χ^2 /NDF: 3632640.2/41

All: 4578.081+/-0.479 χ^2 /NDF: 7685451.8/84

- sign 4533.447+/-0.673 χ^2 /NDF: 4043925.9/42

reg_asym_atr1l2_dd_mean vs Slug



Right In: 115.789 $\pm$ 711.081 χ^2 /NDF: 13.7/16

Left Out: 1041.262 $\pm$ 446.249 χ^2 /NDF: 48.6/24

Right Out: -473.439 $\pm$ 668.170 χ^2 /NDF: 10.6/19

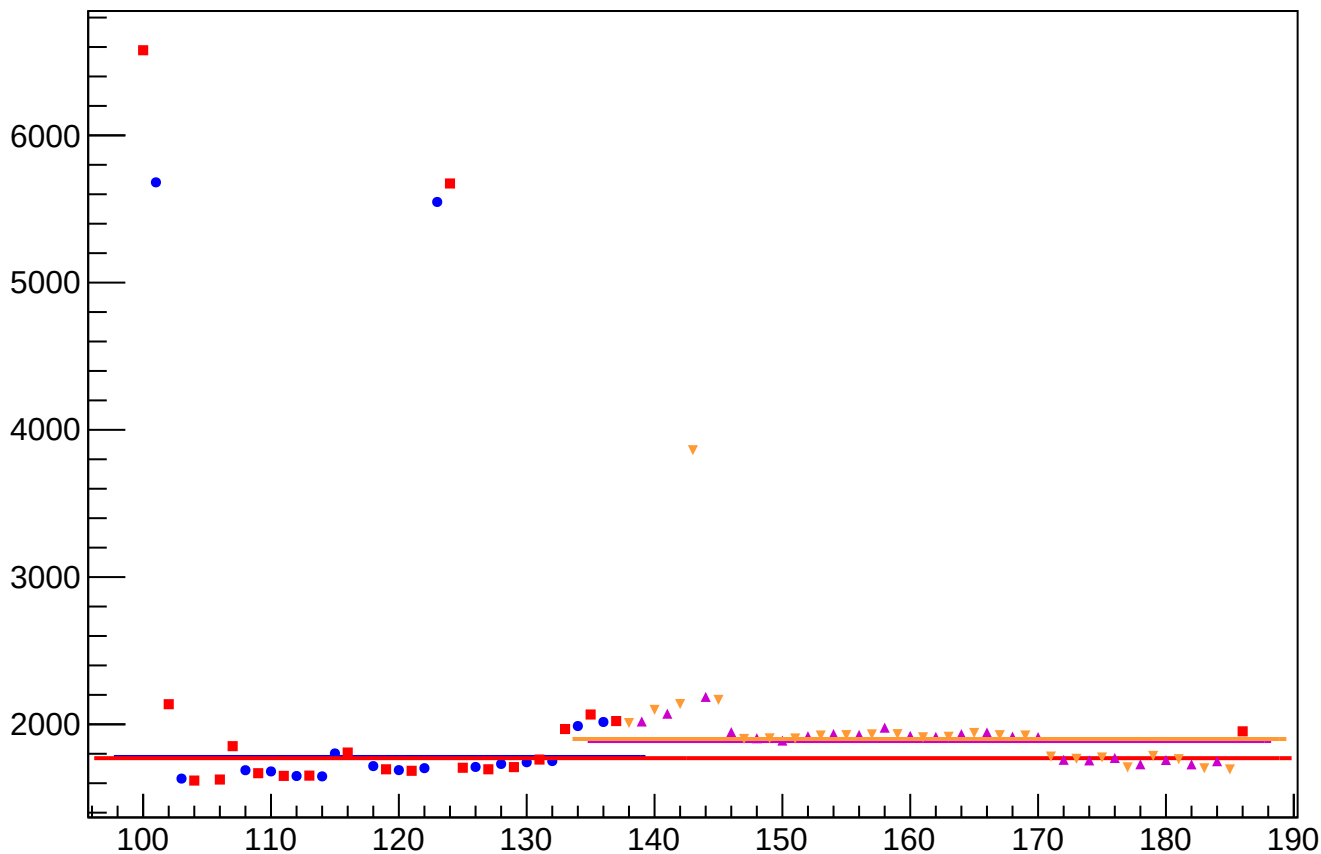
Left In: 191.966 $\pm$ 453.055 χ^2 /NDF: 30.0/22

+ sign 779.764 $\pm$ 377.982 χ^2 /NDF: 63.5/41

All: 377.902 $\pm$ 266.207 χ^2 /NDF: 107.0/84

- sign -17.606 $\pm$ 374.982 χ^2 /NDF: 41.3/42

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1778.202 $\pm$ 0.503 χ^2 /NDF: 642982.9/16

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1770.098 $\pm$ 0.469 χ^2 /NDF: 312348.9/19

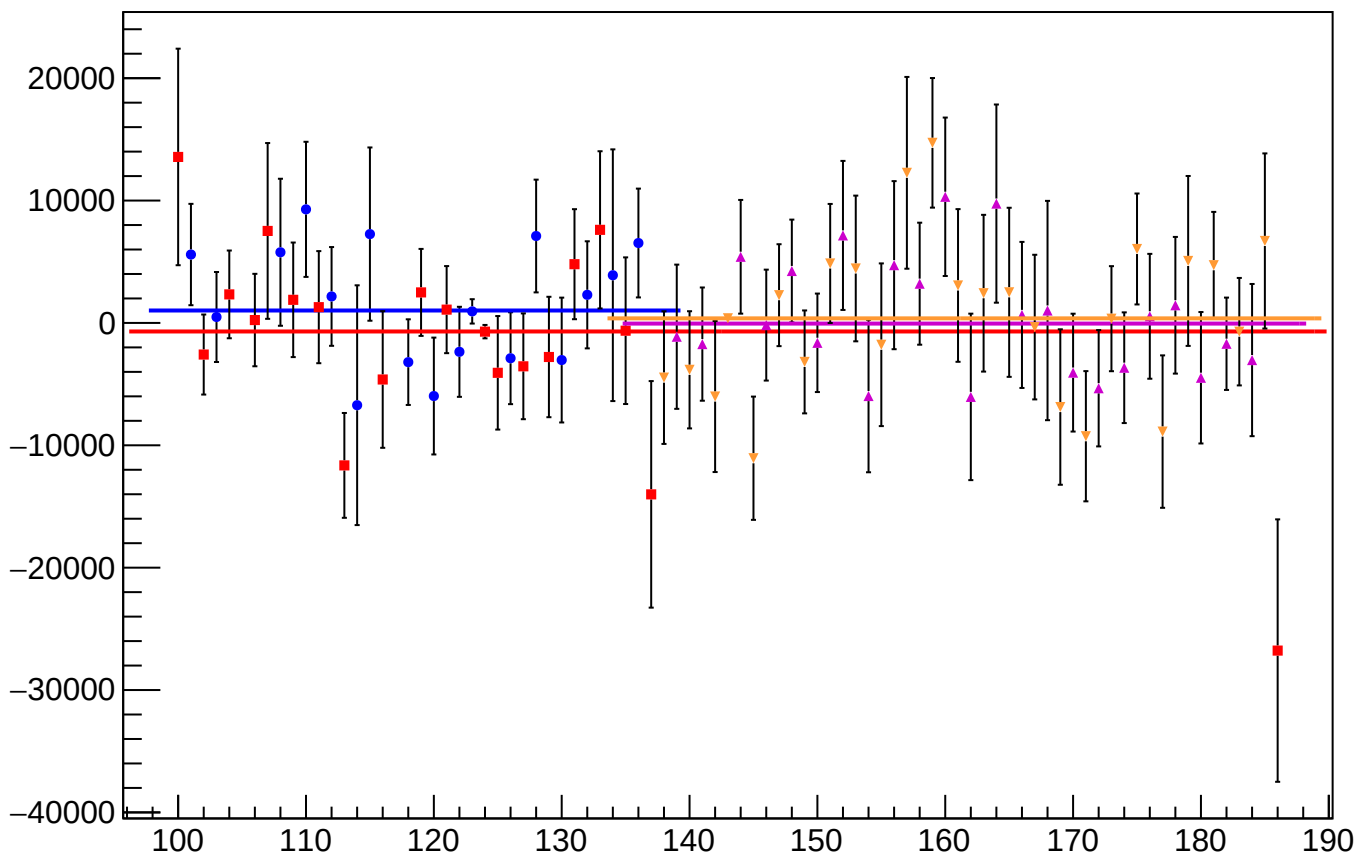
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1865.797 $\pm$ 0.267 χ^2 /NDF: 1223177.3/41

All: 1857.529 $\pm$ 0.188 χ^2 /NDF: 1702808.8/84

- sign 1849.425 $\pm$ 0.265 χ^2 /NDF: 477736.8/42

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1015.864 $\pm$ 753.323 χ^2 /NDF: 15.2/16

Left Out: 373.277 $\pm$ 382.071 χ^2 /NDF:30.8/24

Right Out: -697.775 $\pm$ 487.769 χ^2 /NDF: 25.9/19

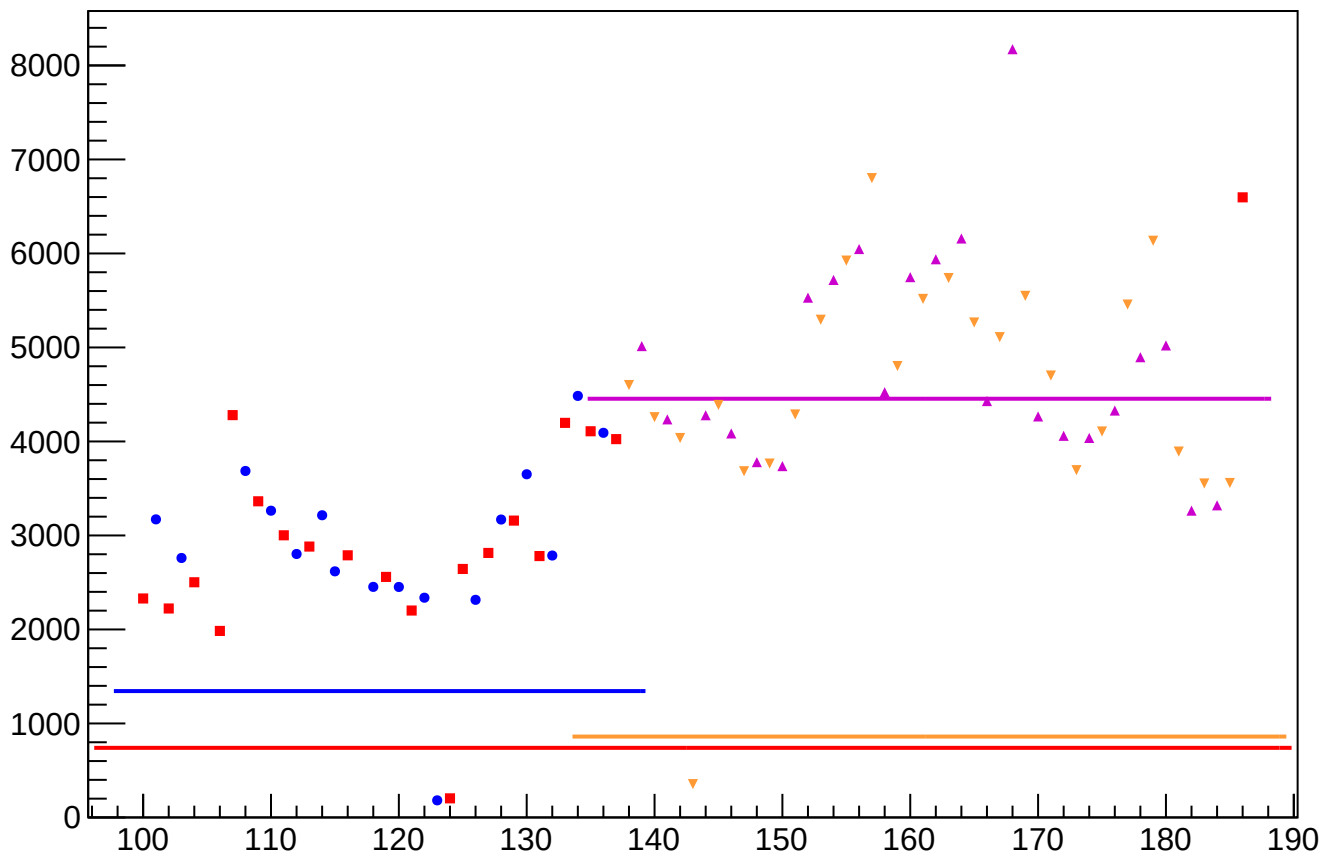
Left In: -53.099 $\pm$ 1089.888 χ^2 /NDF:14.5/22

+ sign 504.752 $\pm$ 340.751 χ^2 /NDF: 46.6/41

All: 100.284 $\pm$ 270.592 χ^2 /NDF: 91.1/84

- sign -590.198 $\pm$ 445.216 χ^2 /NDF: 40.7/42

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1344.476 $\pm$ 0.533 χ^2 /NDF: 6835525.9/16

Left Out: 860.545 $\pm$ 0.270 χ^2 /NDF: 26340106.5/24

Right Out: 740.565 $\pm$ 0.345 χ^2 /NDF: 10078196.7/19

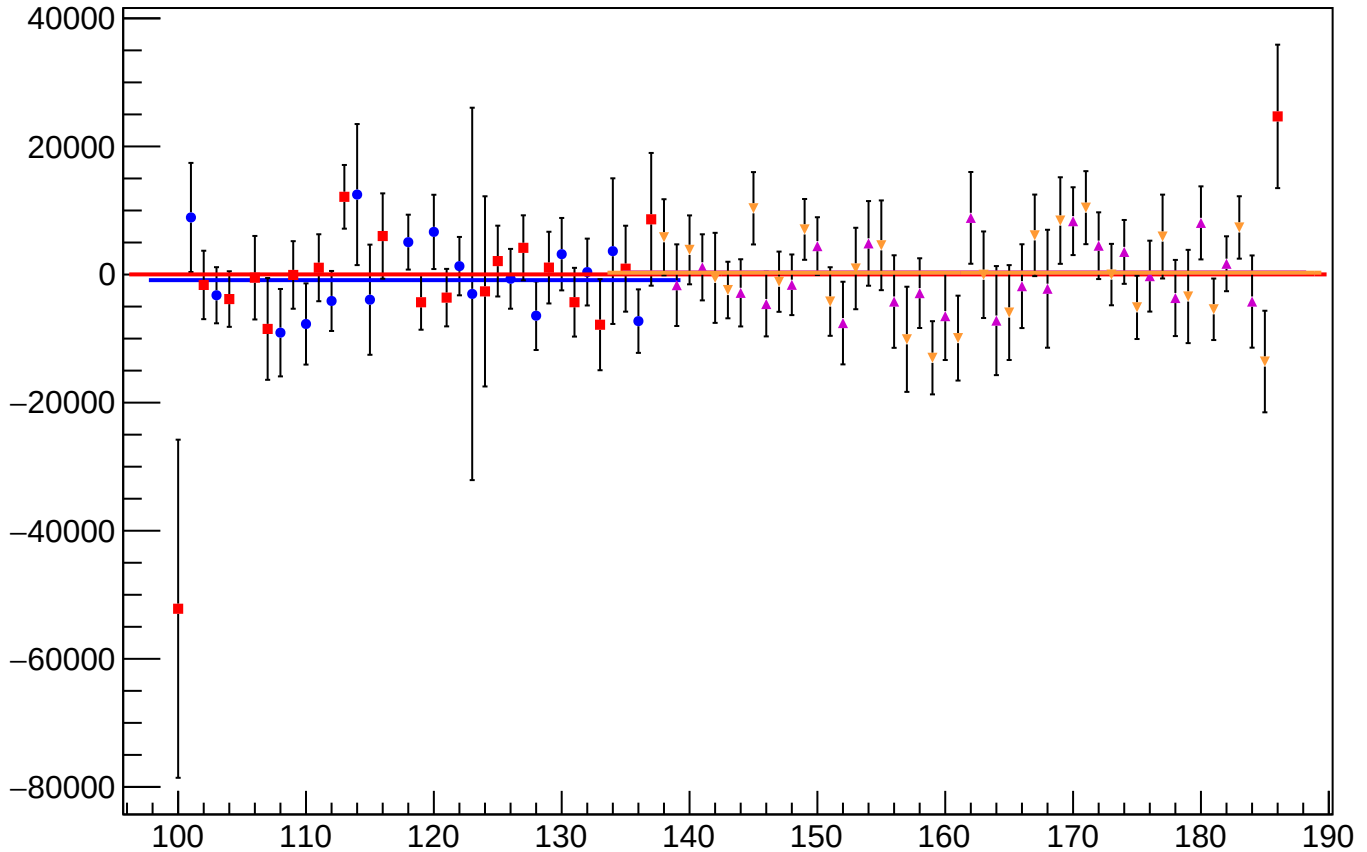
Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF: 1349758.1/22

+ sign 959.559 $\pm$ 0.241 χ^2 /NDF: 33832106.7/41

All: 1107.587 $\pm$ 0.191 χ^2 /NDF: 65629349.6/8

- sign 1360.293 $\pm$ 0.315 χ^2 /NDF: 30775458.8/42

asym_atr1l2_dd_mean vs Slug



Right In: -874.074+/-1400.106 χ^2/NDF : 13.6/16

Left Out: 288.508+/-1155.419 χ^2/NDF : 32.4/24

Right Out: 21.330+/-1323.994 χ^2/NDF : 22.7/19

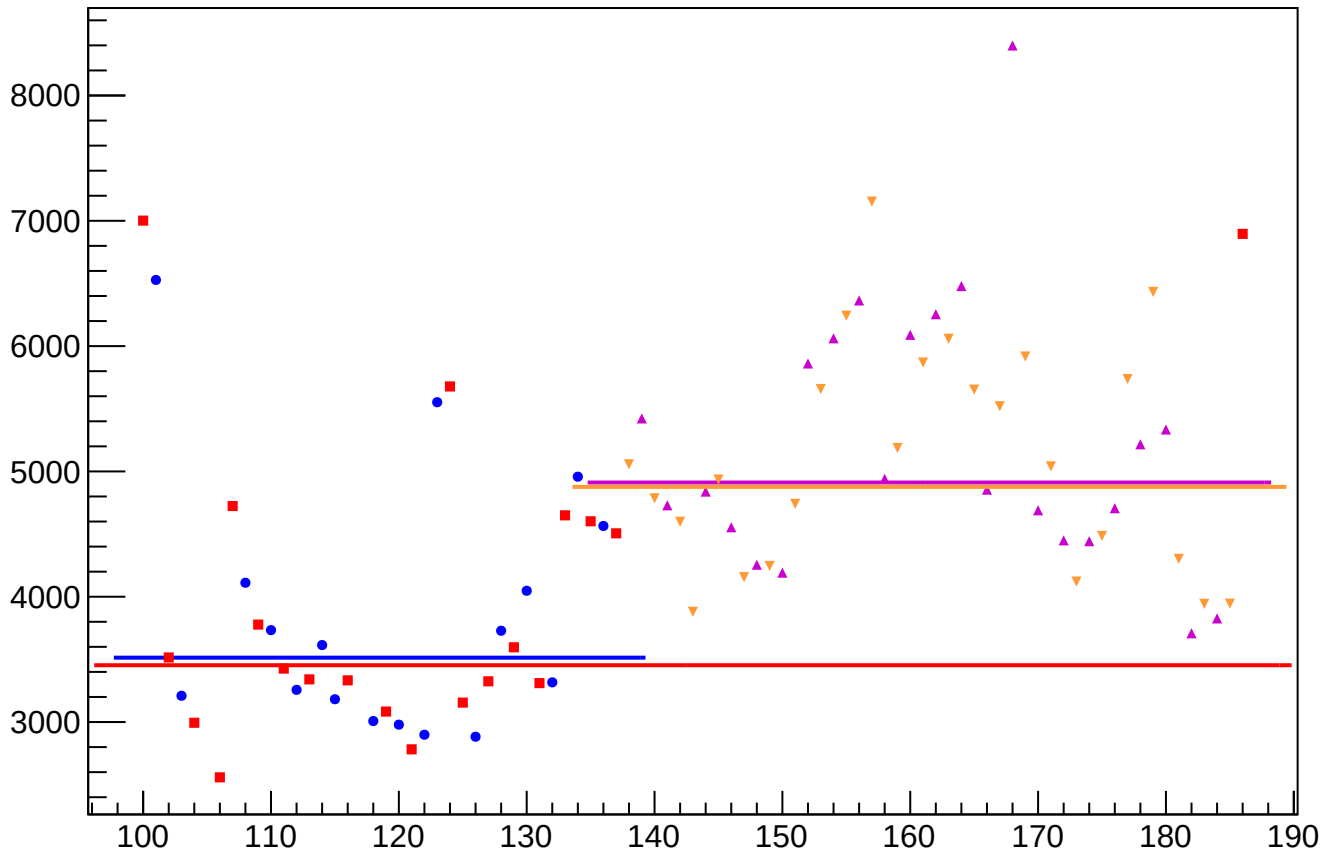
Left In: 332.488+/-1196.011 χ^2/NDF : 14.7/22

+ sign -182.479+/-891.156 χ^2/NDF : 46.4/41

All: 5.864+/-628.851 χ^2/NDF : 83.9/84

- sign 192.671+/-887.514 χ^2/NDF : 37.4/42

asym_atr1l2_dd_rms vs Slug



Right In: 3513.685+/-0.990 χ^2/NDF : 560775.0/16

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3453.309+/-0.924 χ^2/NDF : 620090.3/19

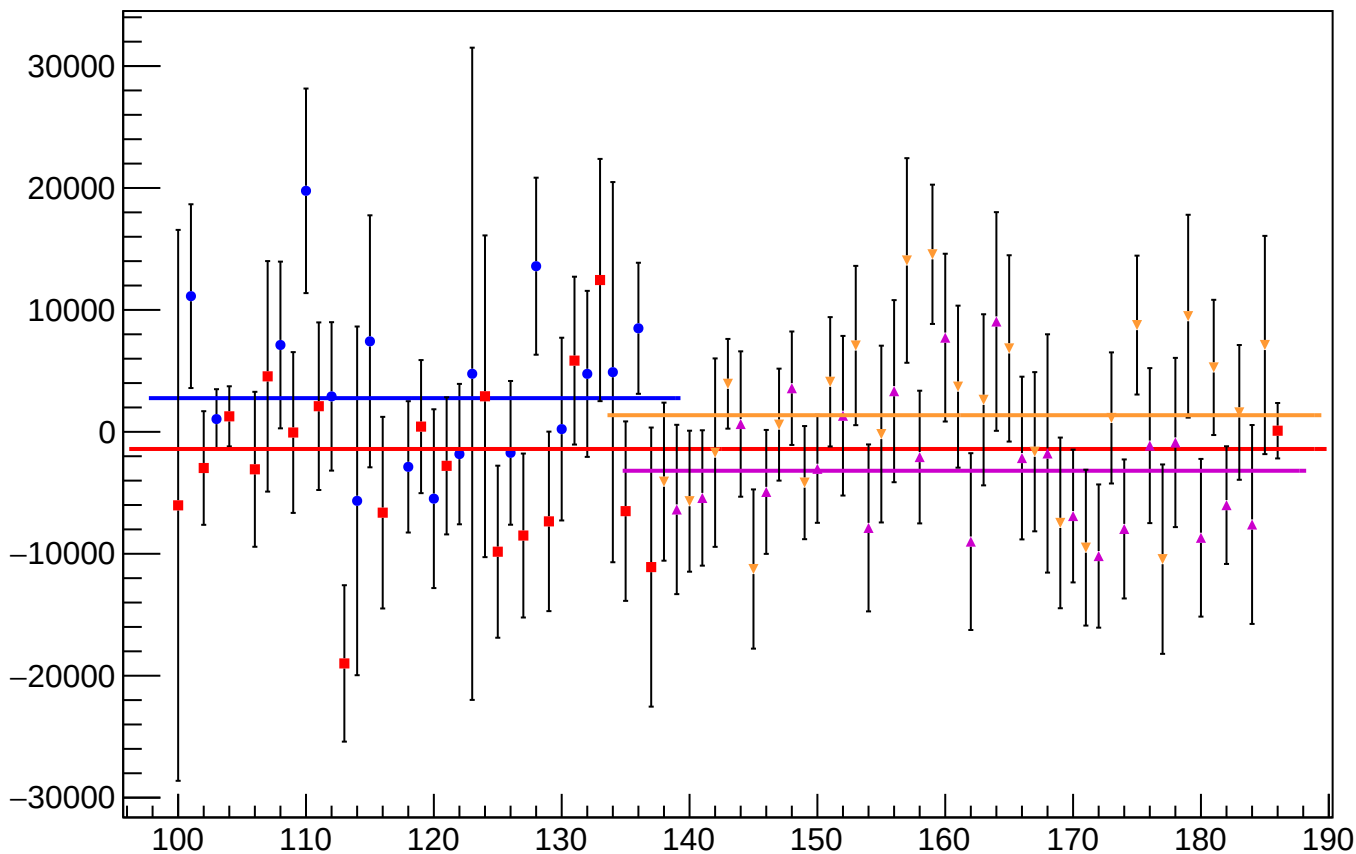
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4324.428+/-0.630 χ^2/NDF : 2660640.2/41

All: 4285.311+/-0.443 χ^2/NDF : 5686520.2/84

- sign 4246.963+/-0.624 χ^2/NDF : 3018248.6/42

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2764.928+/-1455.950 χ^2/NDF : 13.9/16

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -1404.879+/-1182.089 χ^2/NDF : 18.2/19

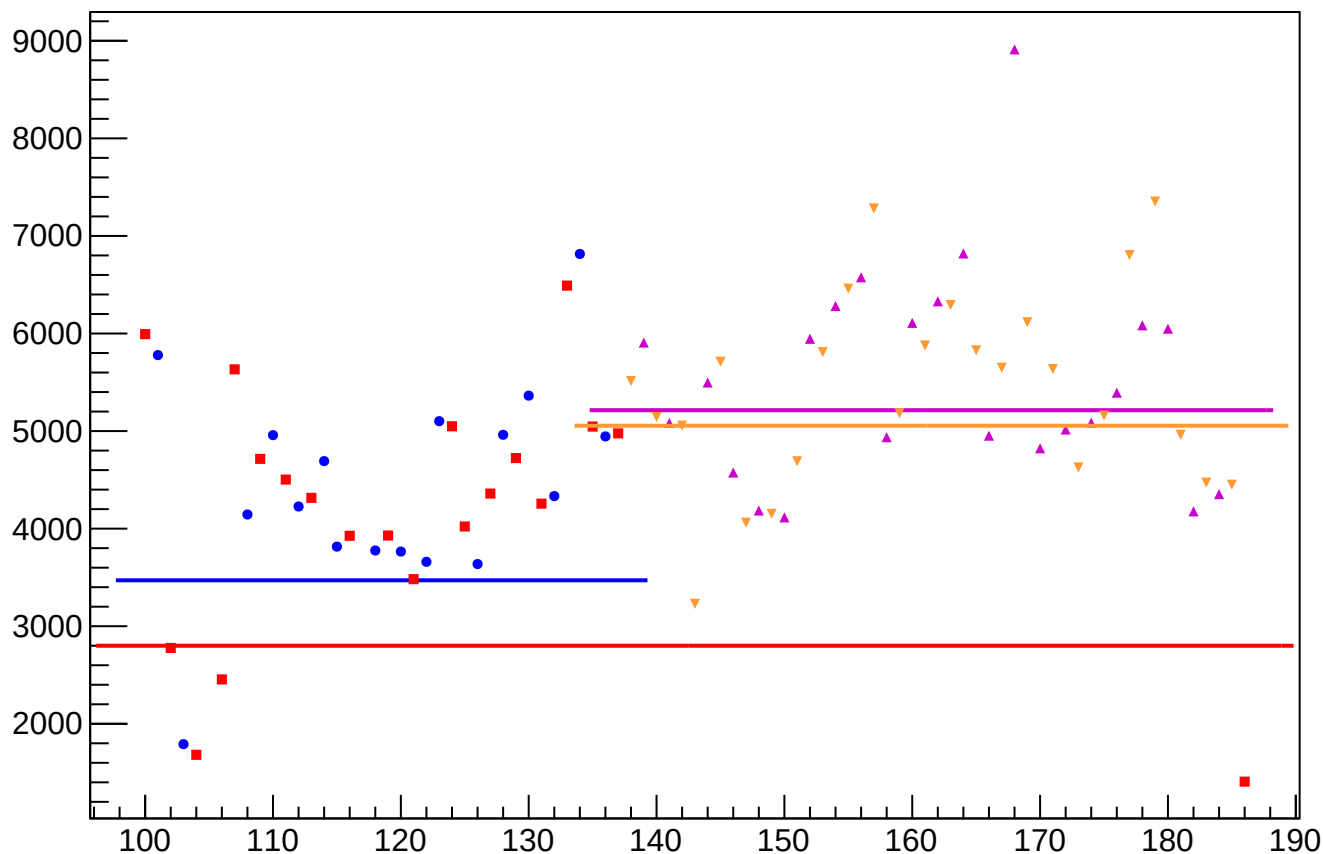
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 1934.862+/-928.881 χ^2/NDF : 42.5/41

All: -297.186+/-633.137 χ^2/NDF : 86.5/84

- sign -2234.046+/-865.281 χ^2/NDF : 33.3/42

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.650+/-1.029 χ^2/NDF : 1765892.2/16

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 2799.975+/-0.830 χ^2/NDF : 2935835.3/19

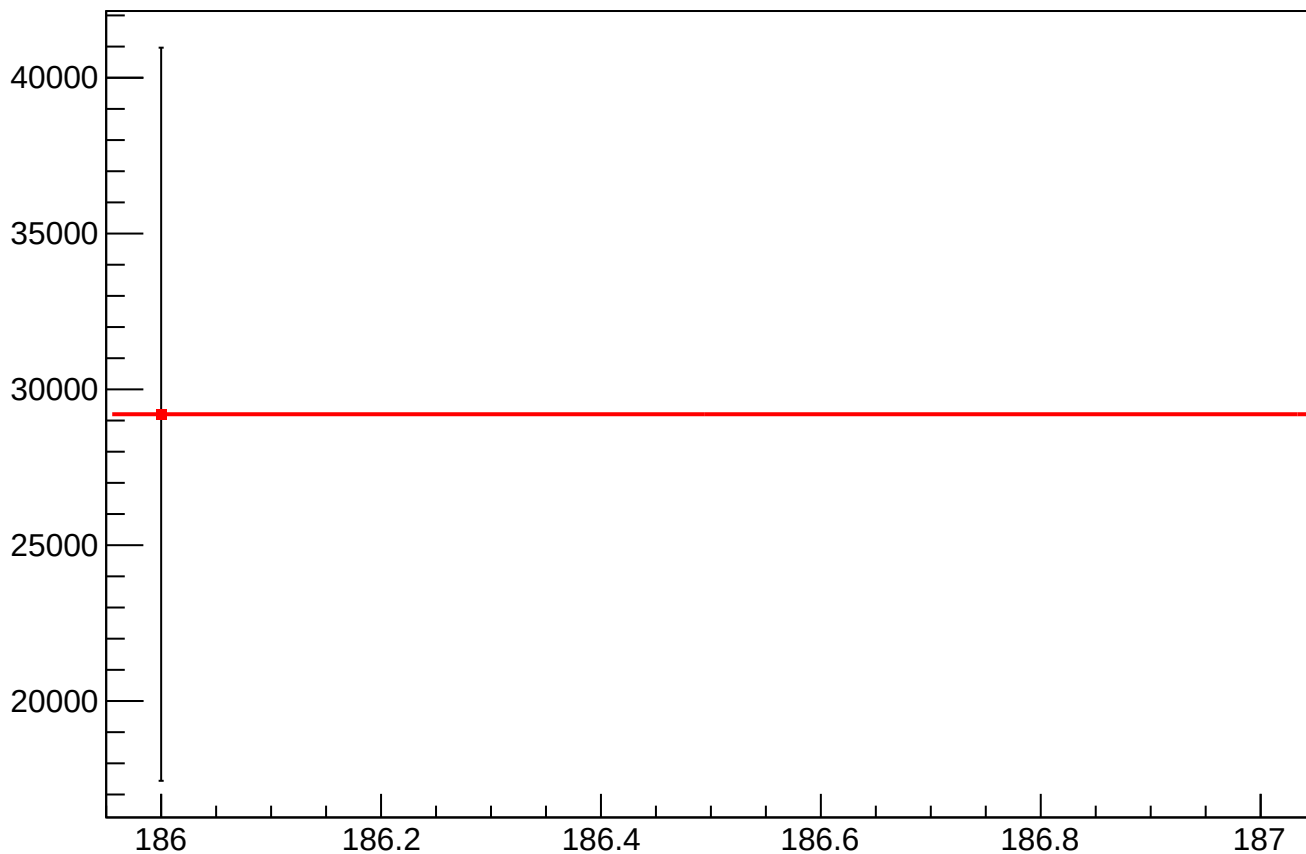
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 4409.931+/-0.657 χ^2/NDF : 4606985.7/41

All: 4142.713+/-0.447 χ^2/NDF : 12799754.8/8

- sign 3912.504+/-0.610 χ^2/NDF : 7884653.5/42

asym_atl_avg_atr_avg_avg_correction_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: 29202.265 $\pm$ 11762.699 χ^2 /NDF: 0.0/0

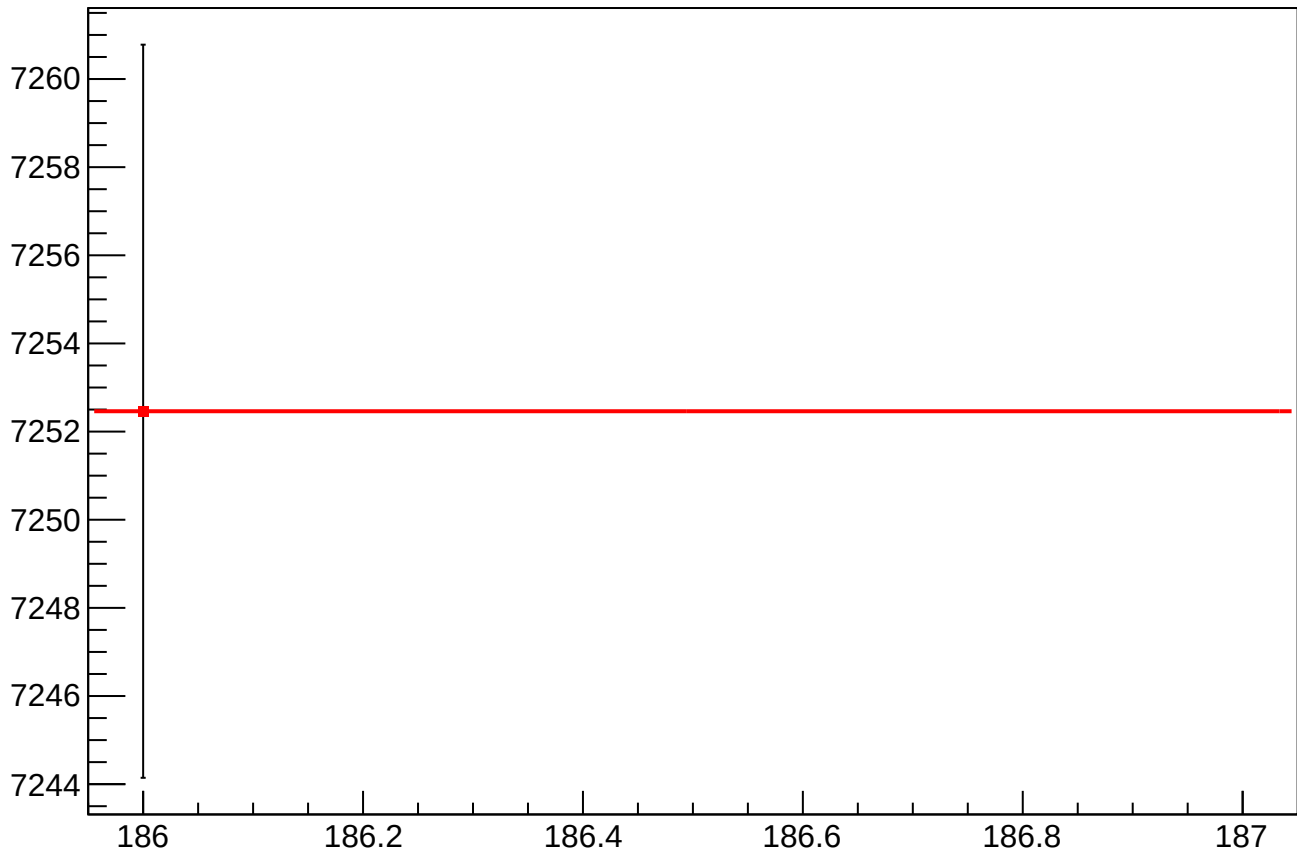
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 29202.265 $\pm$ 11762.699 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 7252.462+/-8.317 χ^2/NDF : 0.0/0

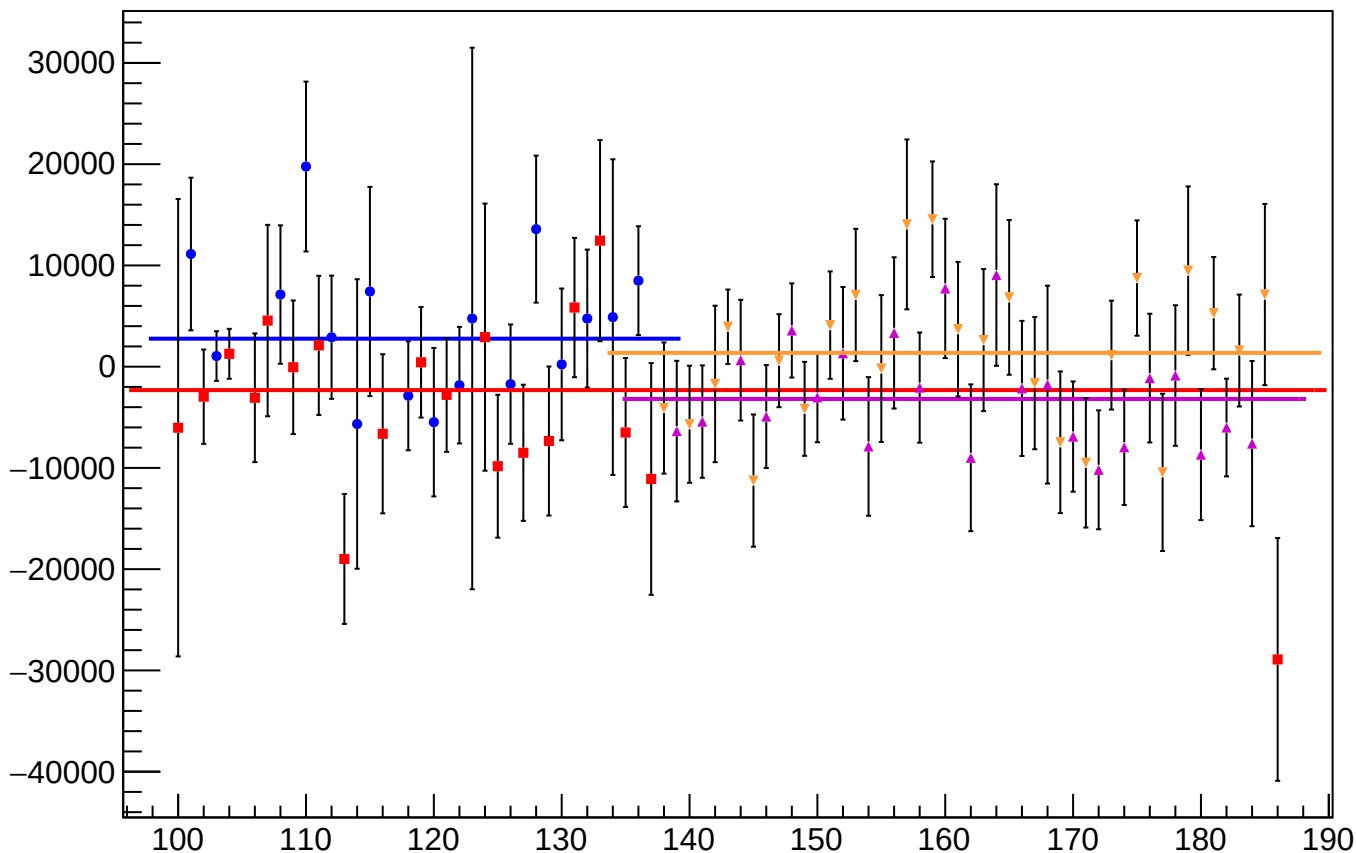
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7252.462+/-8.317 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2764.928 $\pm$ 1455.950 χ^2 /NDF: 13.9/16

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -2314.340 $\pm$ 1374.797 χ^2 /NDF: 22.6/19

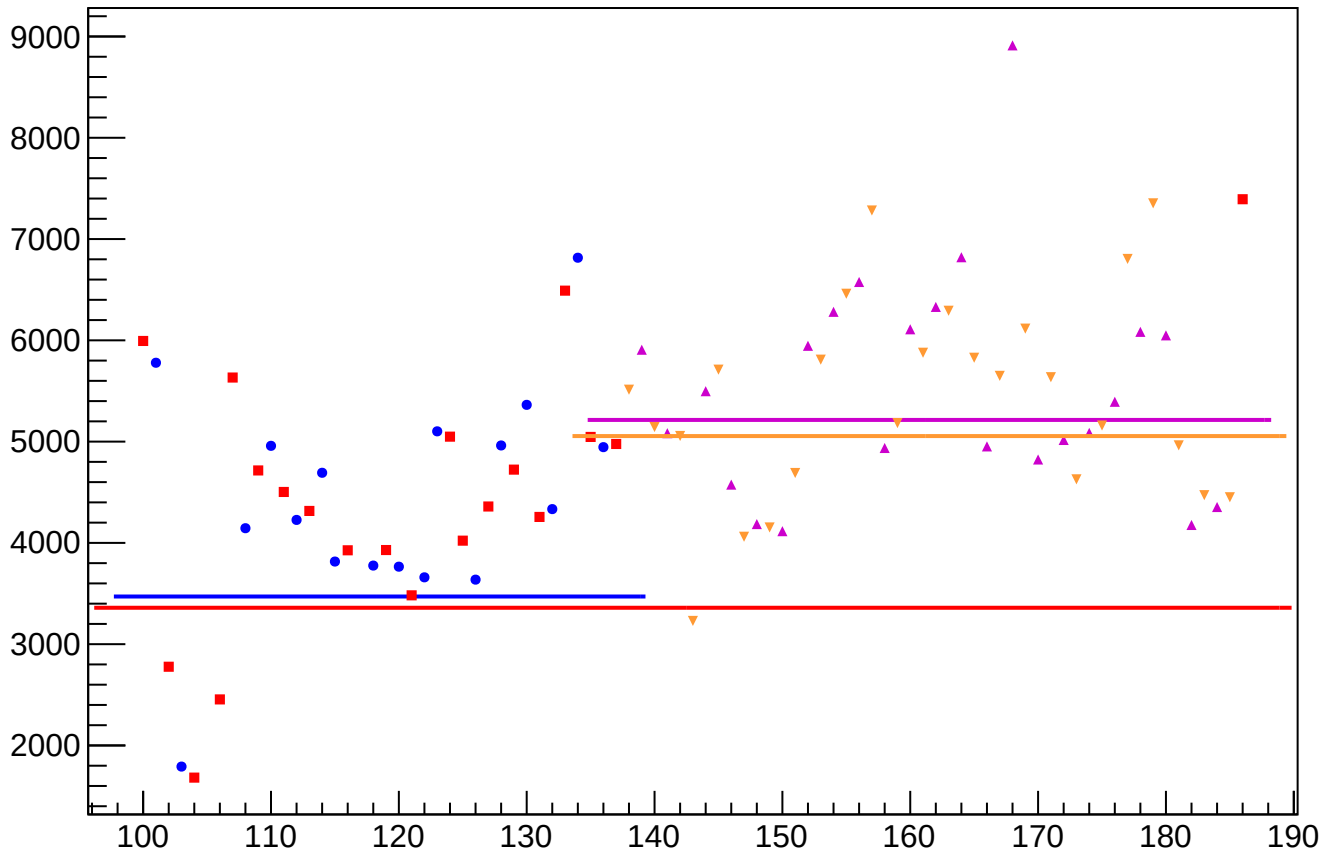
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 1934.862 $\pm$ 928.881 χ^2 /NDF: 42.5/41

All: -416.127 $\pm$ 658.229 χ^2 /NDF: 92.1/84

- sign -2787.431 $\pm$ 932.885 χ^2 /NDF: 36.8/42

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.650+/-1.029 χ^2/NDF : 1765892.2/16

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 3359.607+/-0.963 χ^2/NDF : 2141057.7/19

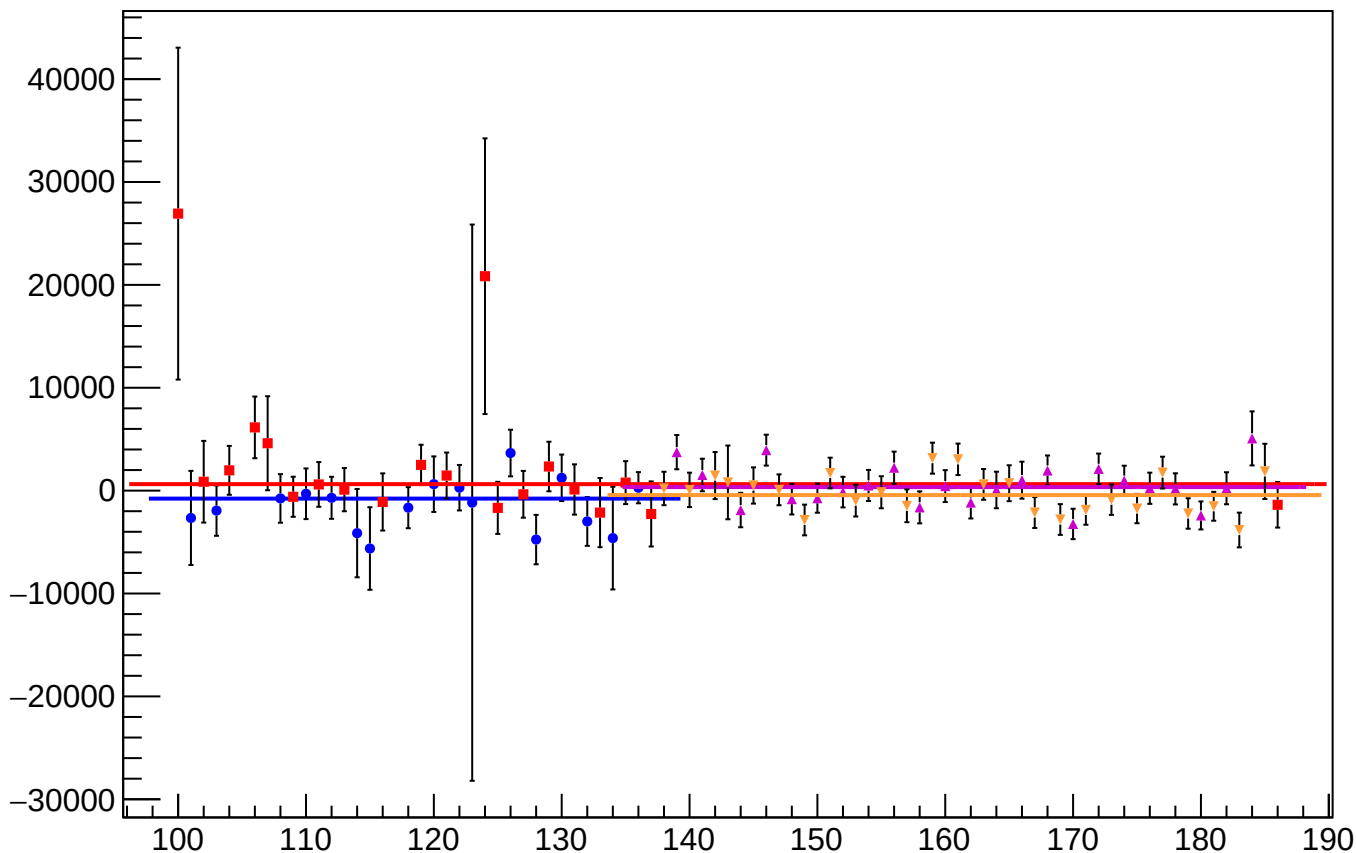
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 4409.931+/-0.657 χ^2/NDF : 4606985.7/41

All: 4380.886+/-0.464 χ^2/NDF : 9787302.0/84

- sign 4351.835+/-0.657 χ^2/NDF : 5176404.8/42

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -774.709 $\pm$ 605.594 χ^2 /NDF: 12.5/16

Left Out: -431.715 $\pm$ 320.540 χ^2 /NDF:33.1/24

Right Out: 630.739 $\pm$ 576.109 χ^2 /NDF: 15.2/19

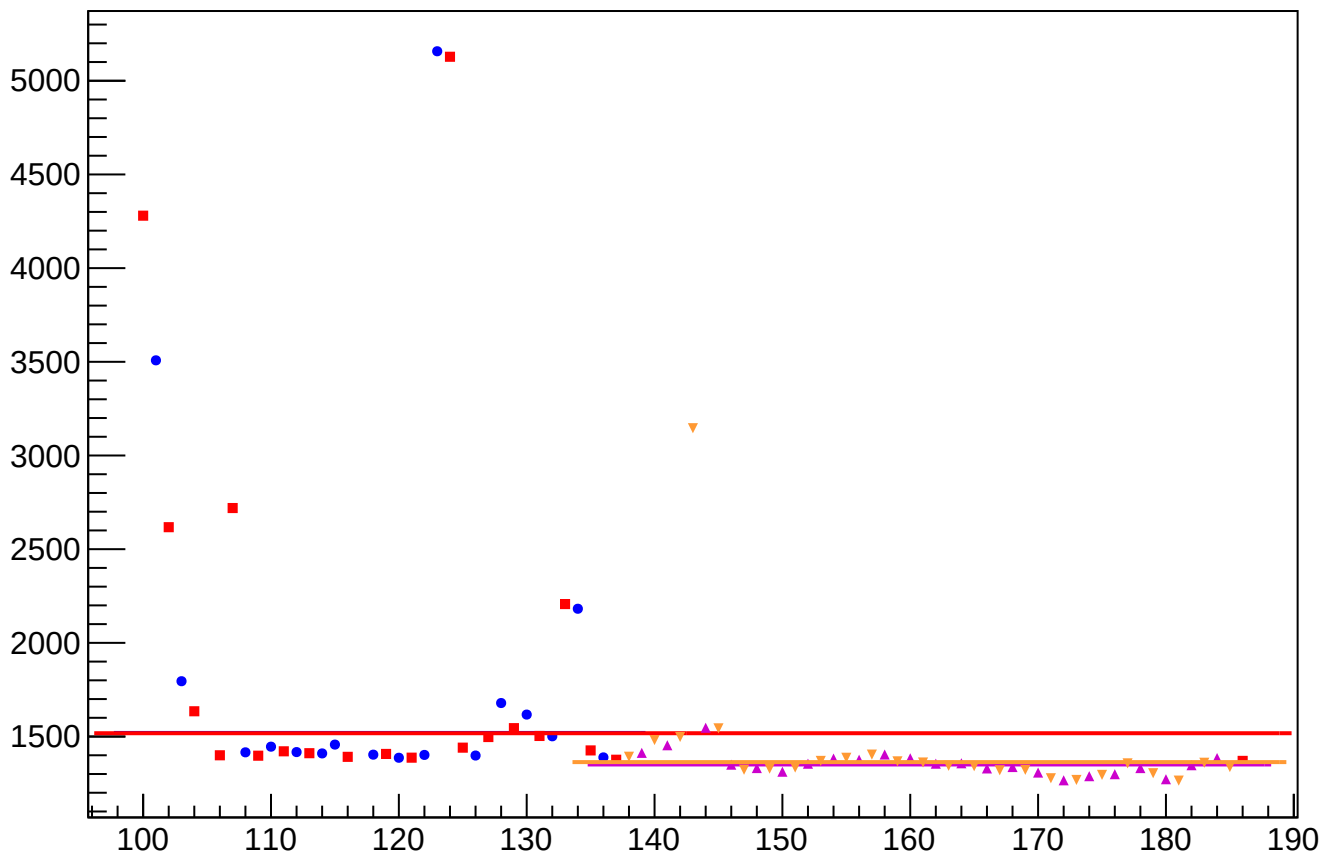
Left In: 343.737 $\pm$ 324.368 χ^2 /NDF:33.8/22

+ sign -506.777 $\pm$ 283.303 χ^2 /NDF: 45.9/41

All: -45.914 $\pm$ 200.093 χ^2 /NDF: 100.3/84

- sign 412.819 $\pm$ 282.647 χ^2 /NDF: 49.2/42

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1519.171+/-0.428 χ^2/NDF : 537680.2/16

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

+ sign 1397.616+/-0.200 χ^2/NDF : 1216059.6/41

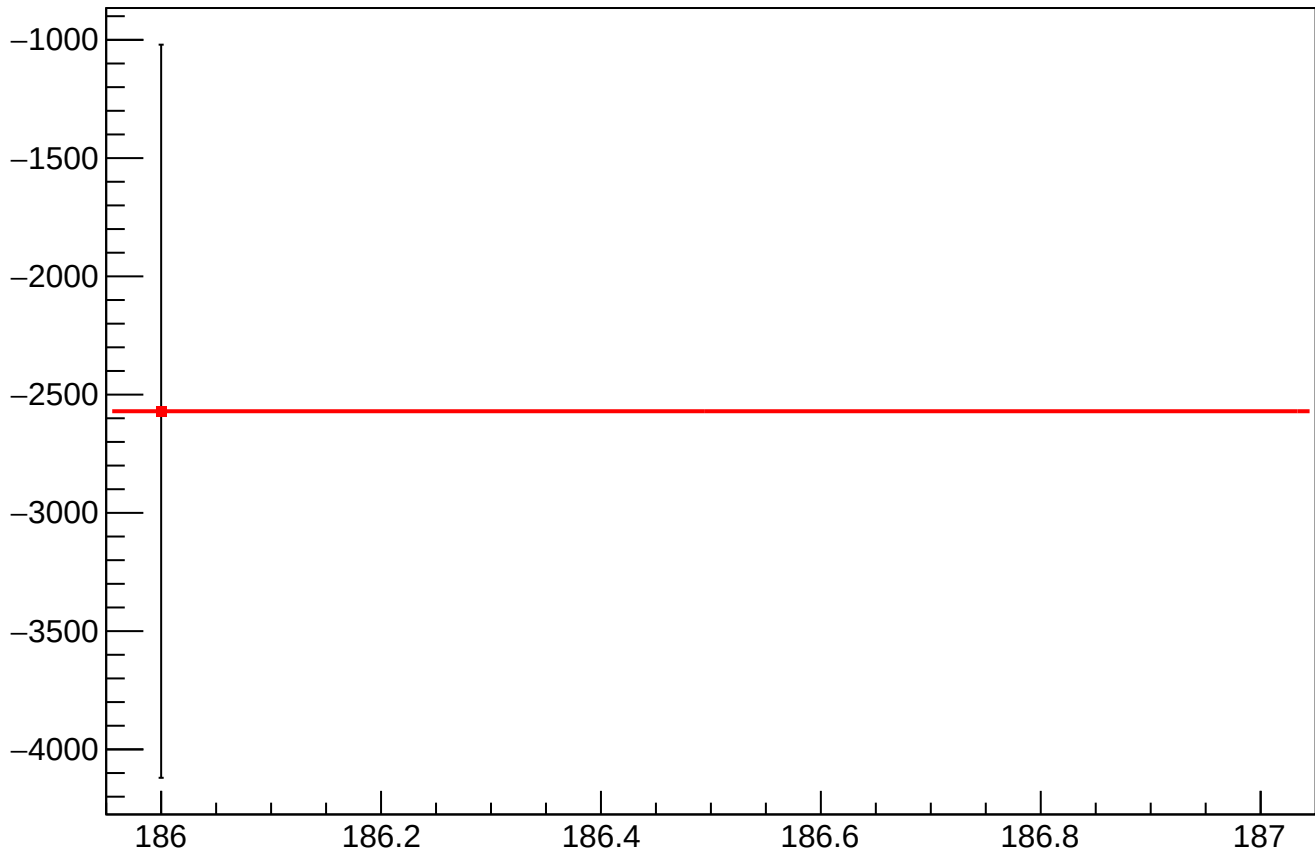
Right Out: 1517.705+/-0.407 χ^2/NDF : 640714.0/19

All: 1394.329+/-0.141 χ^2/NDF : 2051749.1/84

Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

- sign 1391.057+/-0.200 χ^2/NDF : 835152.2/42

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -2570.258+/-1549.880 χ^2/NDF : 0.0/0

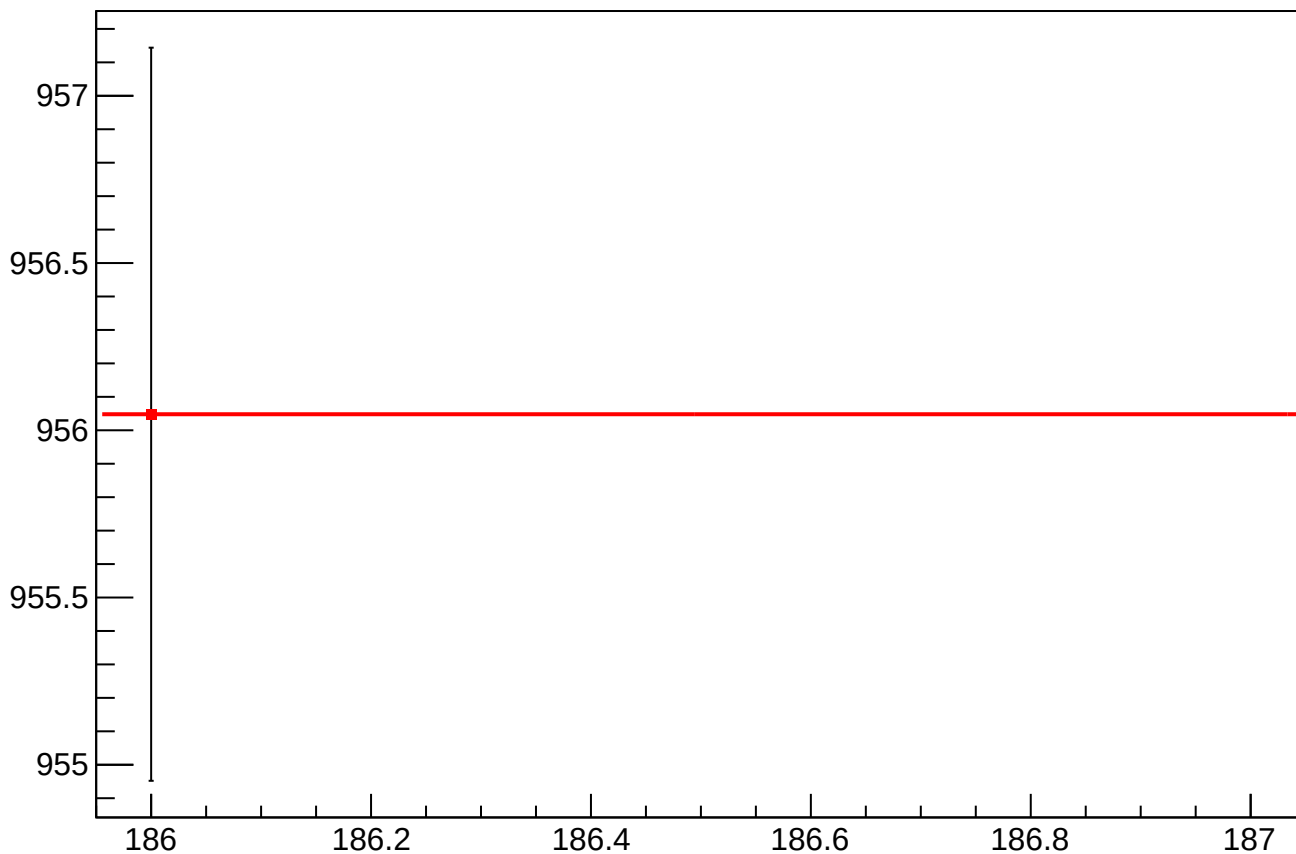
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2570.258+/-1549.880 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 956.048+/-1.096 χ^2/NDF : 0.0/0

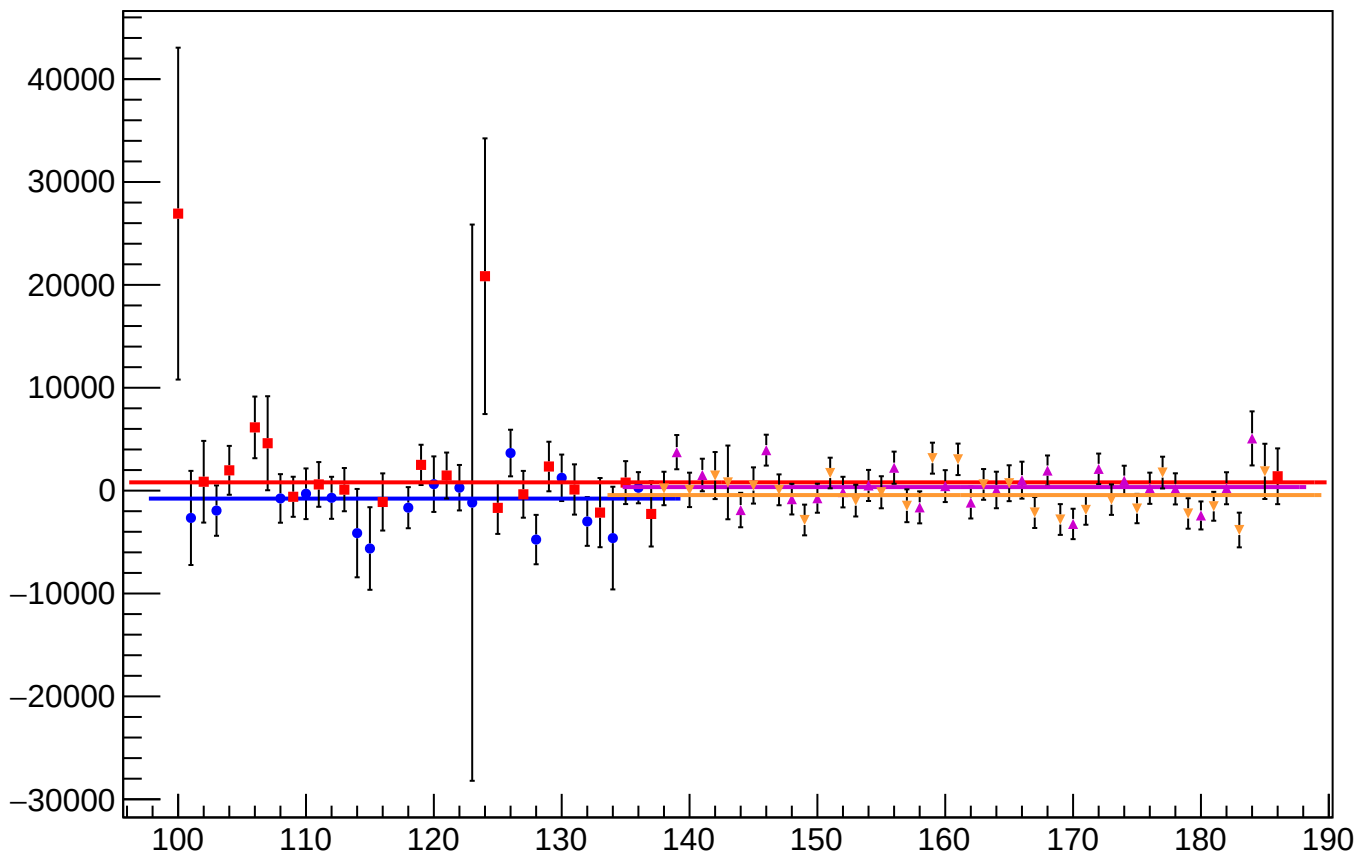
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 956.048+/-1.096 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -774.709+/-605.594 χ^2/NDF : 12.5/16

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 805.343+/-582.727 χ^2/NDF : 14.4/19

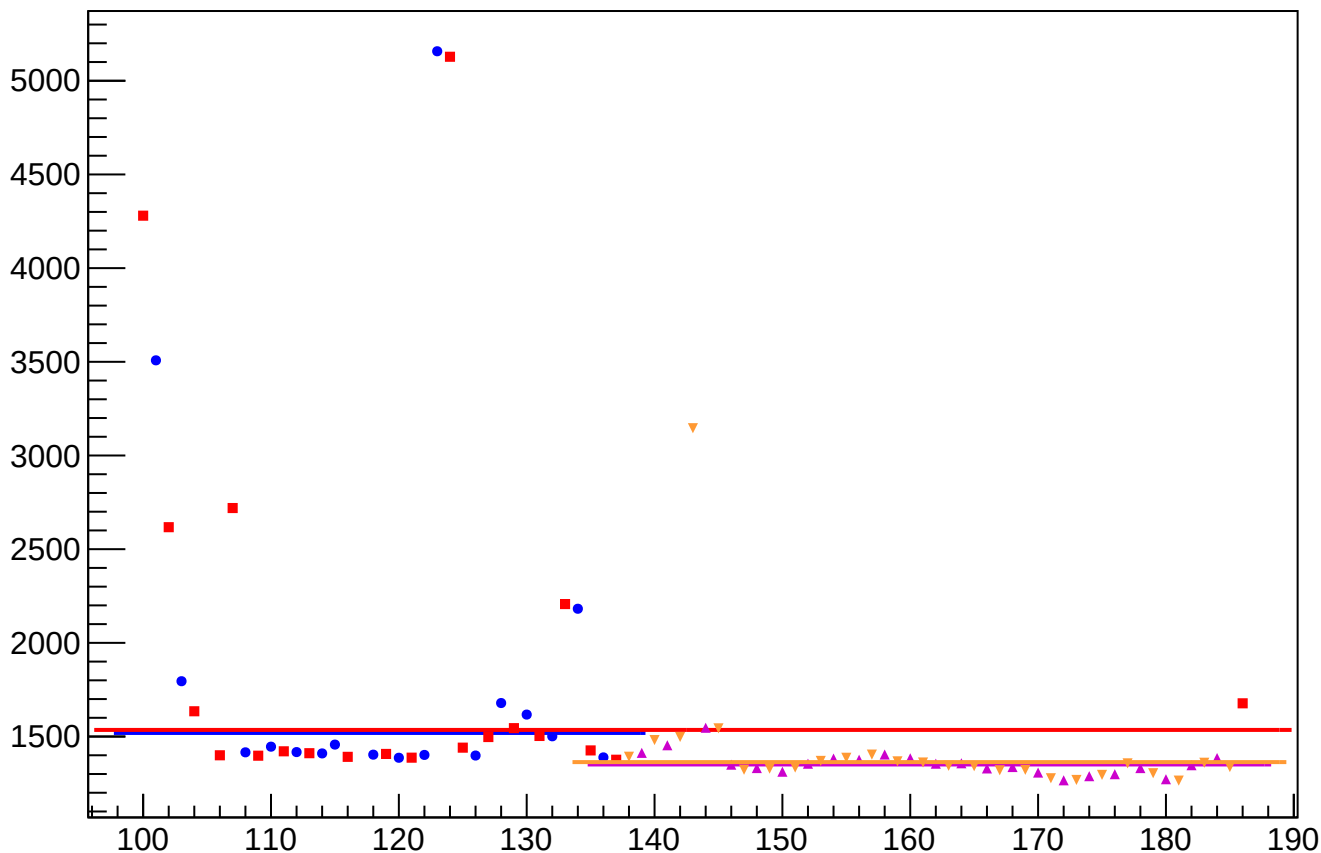
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -506.777+/-283.303 χ^2/NDF : 45.9/41

All: -27.120+/-200.366 χ^2/NDF : 100.2/84

- sign 452.931+/-283.419 χ^2/NDF : 48.6/42

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1519.171+/-0.428 χ^2/NDF : 537680.2/16

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1535.315+/-0.412 χ^2/NDF : 636921.3/19

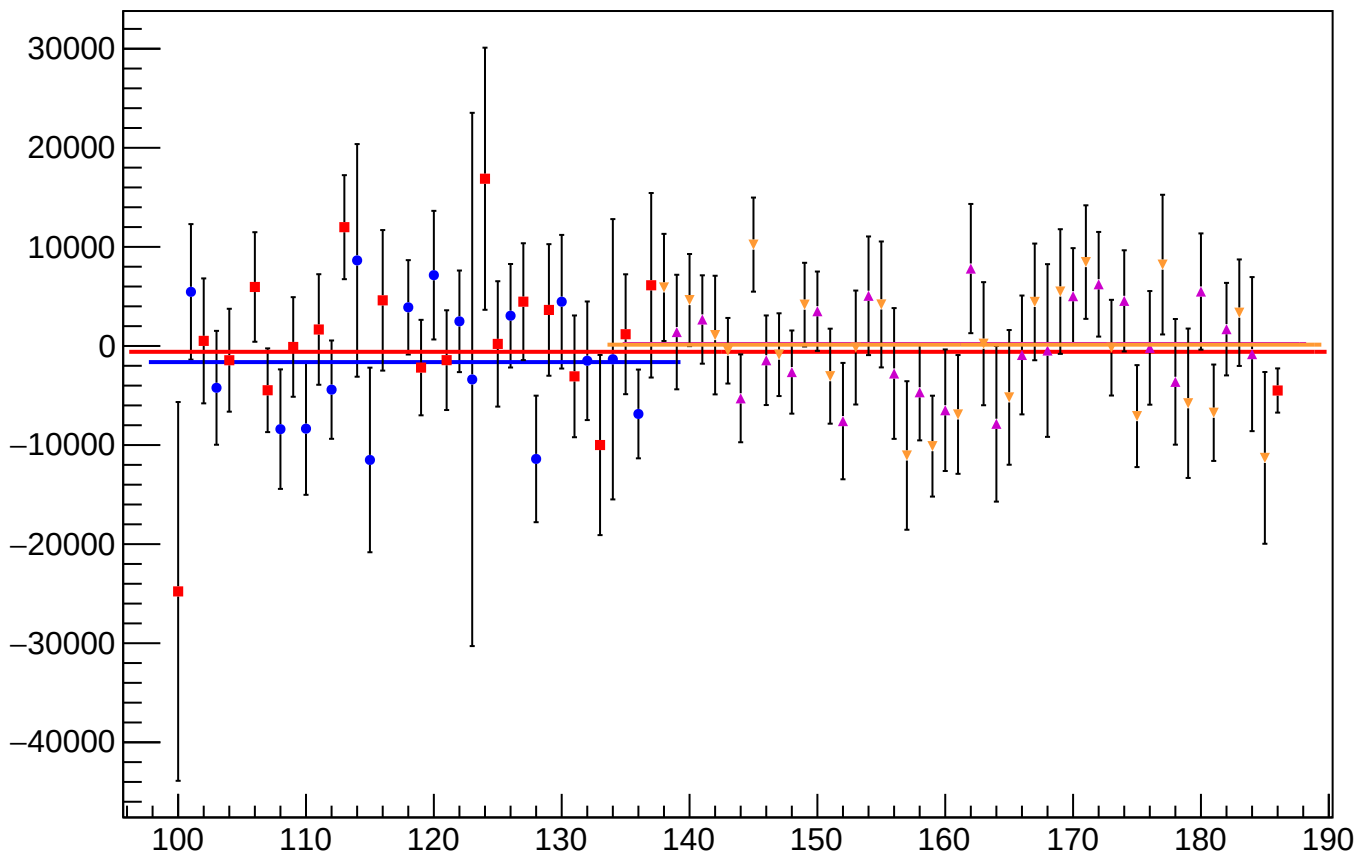
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1397.616+/-0.200 χ^2/NDF : 1216059.6/41

All: 1396.074+/-0.142 χ^2/NDF : 2073154.0/84

- sign 1394.531+/-0.200 χ^2/NDF : 856975.9/42

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1626.973 ± 1517.678 χ^2/NDF : 14.9/16

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -589.526 ± 1174.813 χ^2/NDF : 18.3/19

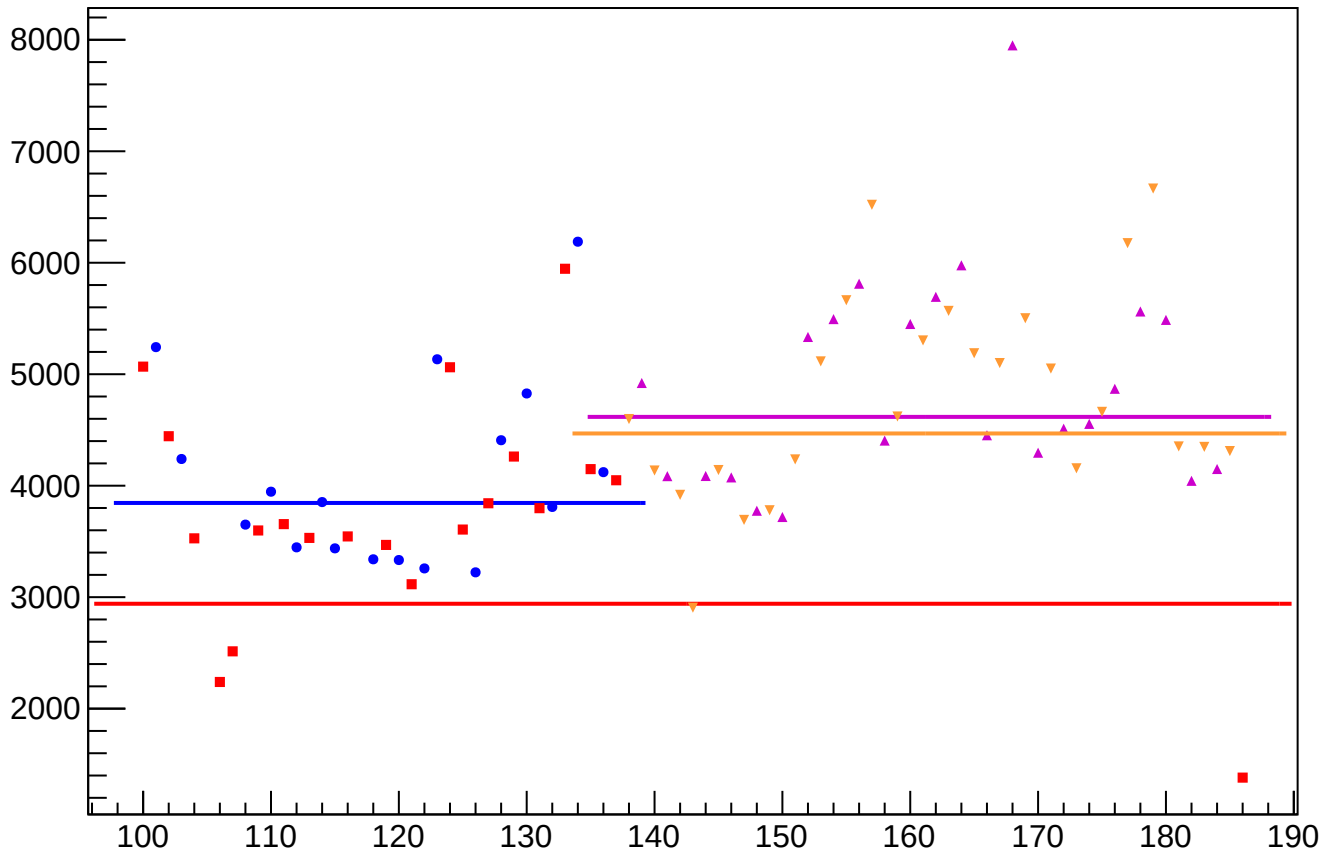
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -448.673 ± 872.071 χ^2/NDF : 43.9/41

All: -303.180 ± 594.261 χ^2/NDF : 77.2/84

- sign -177.049 ± 811.969 χ^2/NDF : 33.3/42

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3845.187 $\pm$ 1.073 χ^2 /NDF: 326944.8/16

Left Out: 4468.520 $\pm$ 0.753 χ^2 /NDF:1380601.0/24

Right Out: 2940.927 $\pm$ 0.825 χ^2 /NDF: 1901456.6/19

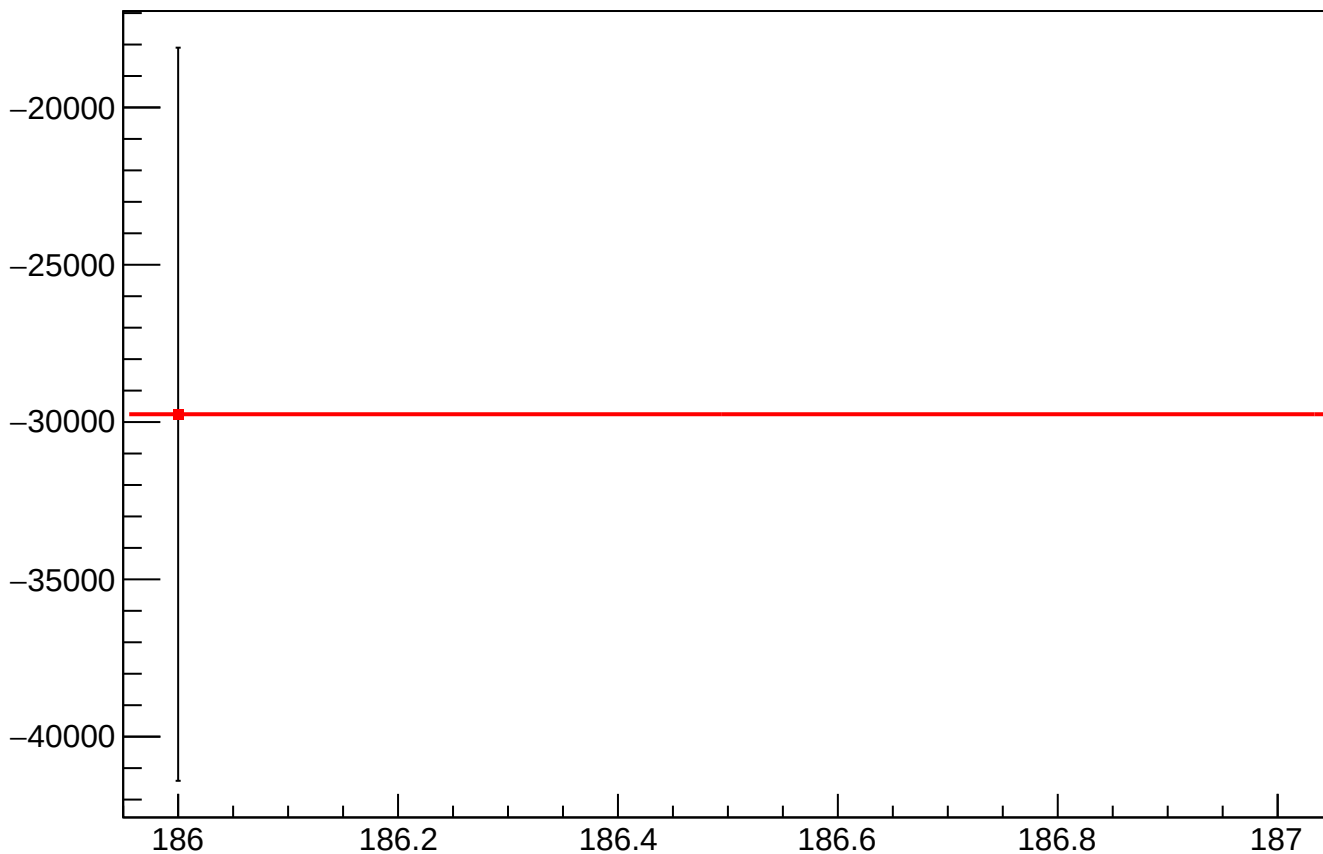
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 4262.703 $\pm$ 0.617 χ^2 /NDF: 1933535.2/41

All: 4020.016 $\pm$ 0.419 χ^2 /NDF: 7264657.4/84

- sign 3810.959 $\pm$ 0.572 χ^2 /NDF: 5042802.7/42

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -29751.201+/-11651.754 χ^2/NDF : 0.0/0

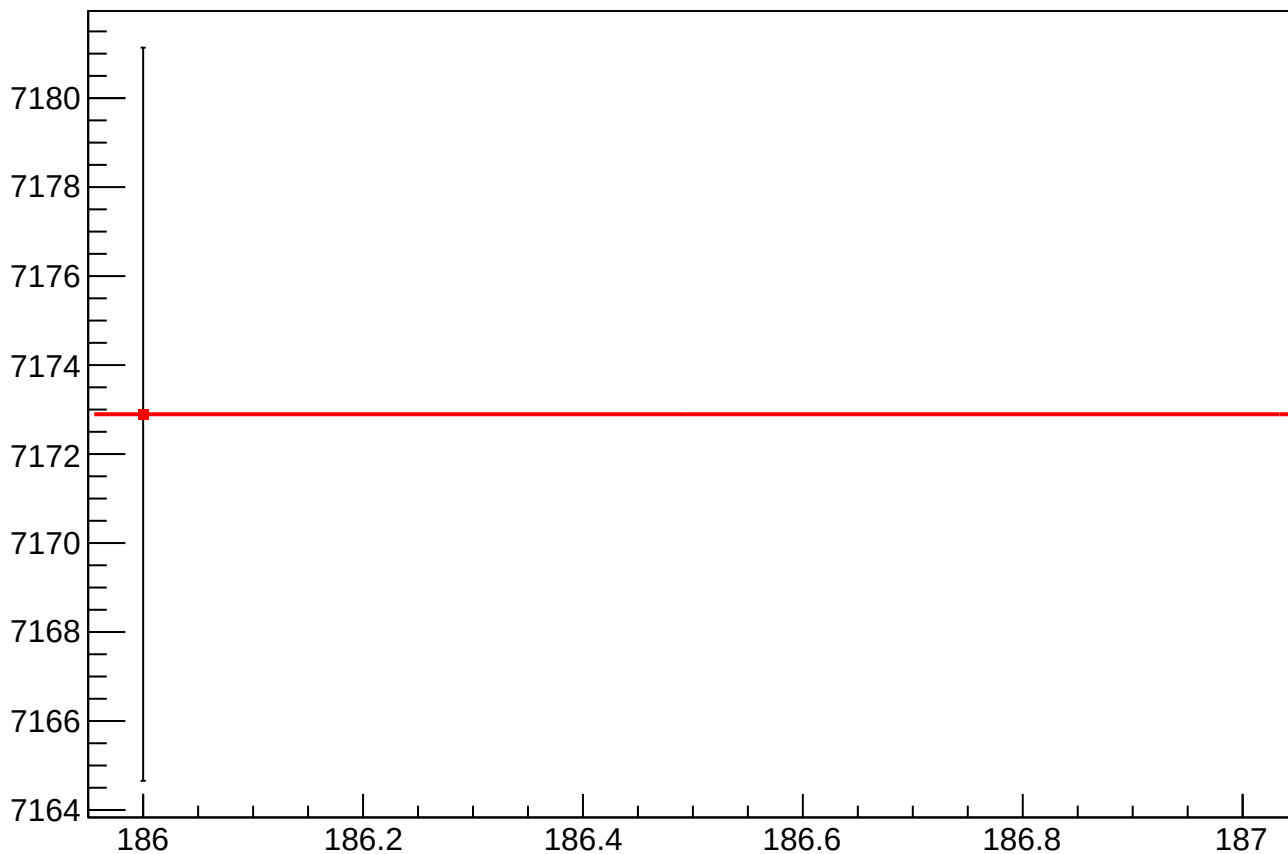
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -29751.201+/-11651.754 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

Right Out: 7172.895+/-8.239 χ^2 /NDF: 0.0/0

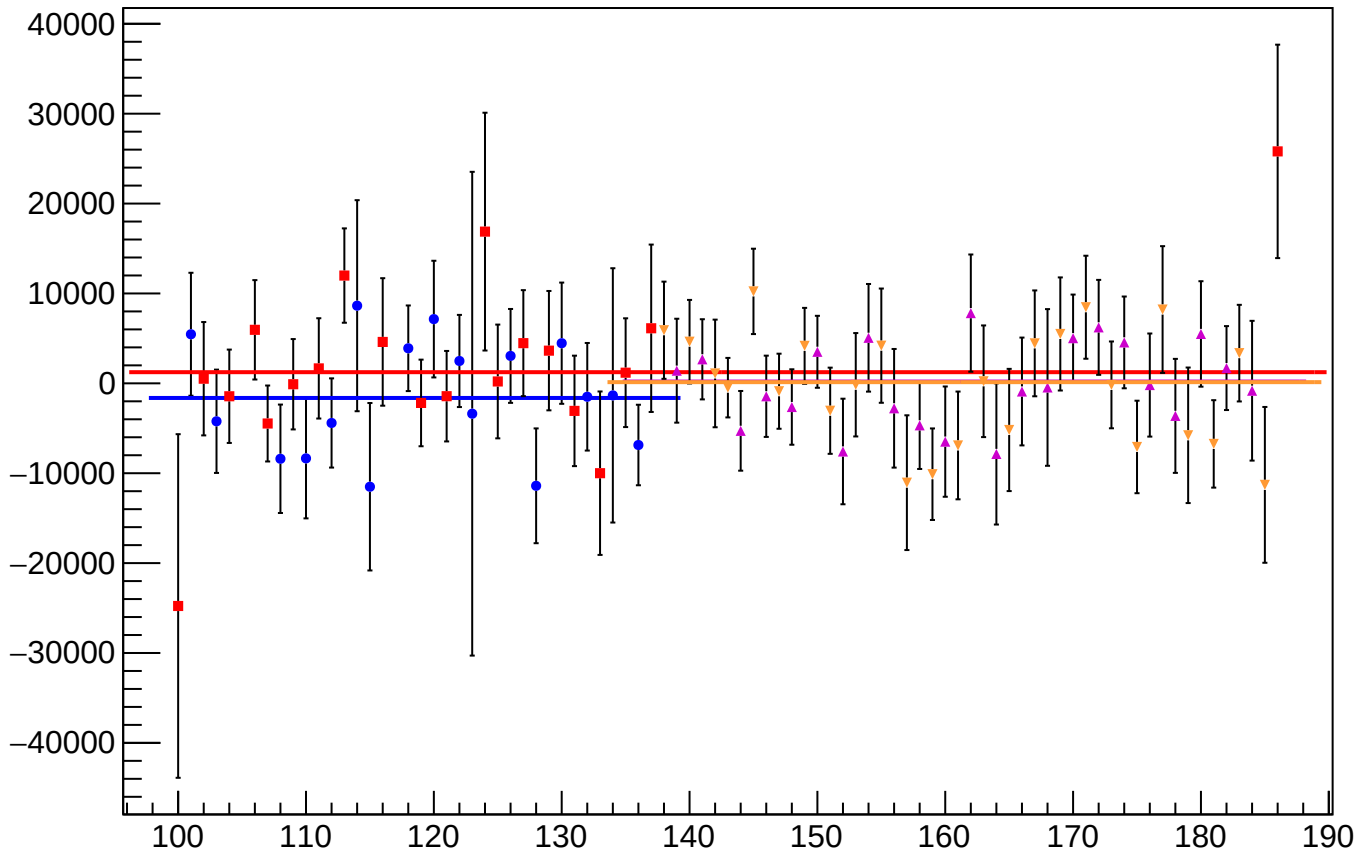
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 7172.895+/-8.239 χ^2 /NDF: 0.0/0

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1626.973 ± 1517.678 $\chi^2/\text{NDF}: 14.9/16$

Left Out: 132.142 ± 1065.543 $\chi^2/\text{NDF}: 28.1/24$

Right Out: 1240.756 ± 1372.584 $\chi^2/\text{NDF}: 18.4/19$

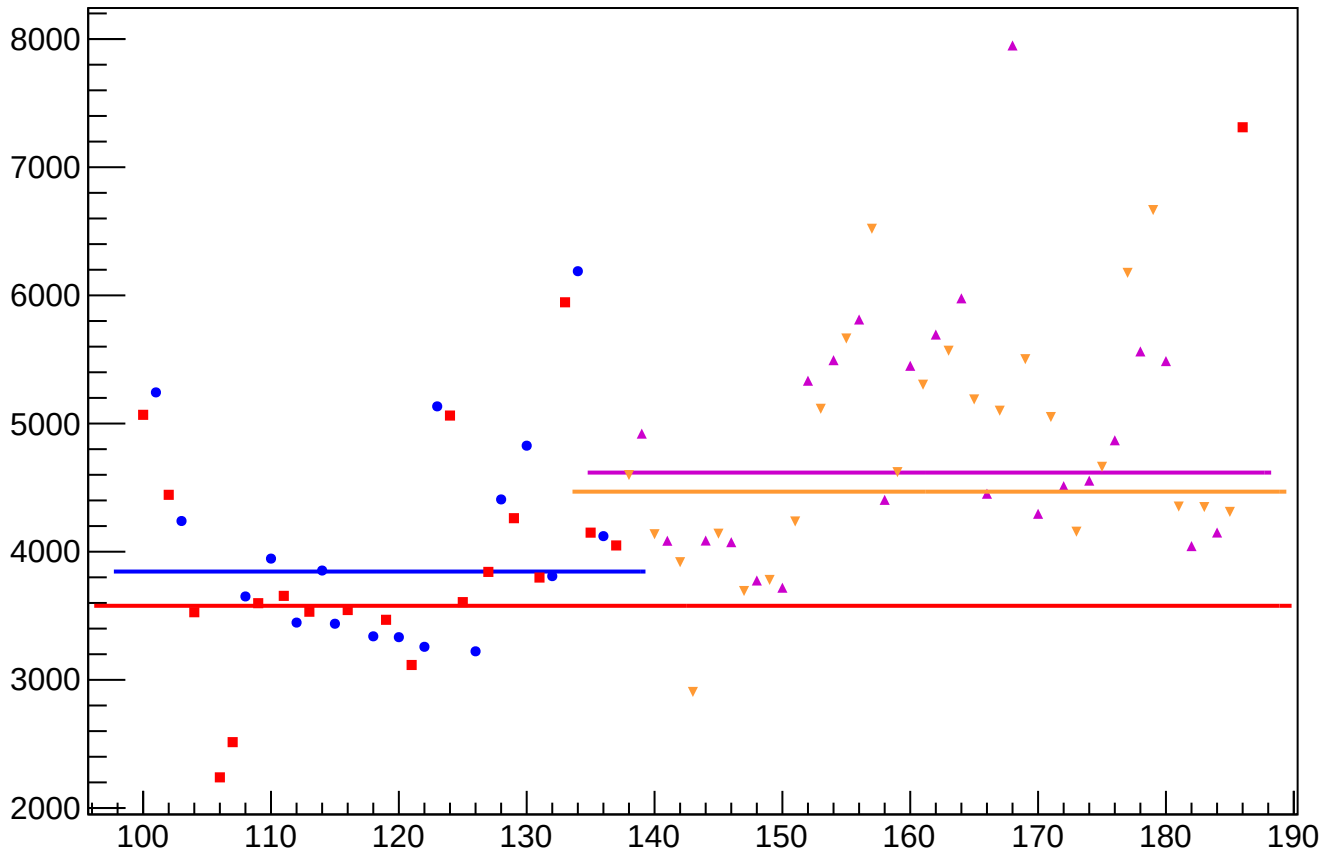
Left In: 200.182 ± 1123.499 $\chi^2/\text{NDF}: 14.7/22$

+ sign -448.673 ± 872.071 $\chi^2/\text{NDF}: 43.9/41$

All: 86.130 ± 615.698 $\chi^2/\text{NDF}: 78.2/84$

- sign 617.653 ± 869.393 $\chi^2/\text{NDF}: 33.5/42$

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3845.187+/-1.073 χ^2/NDF : 326944.8/16

Left Out: 4468.520+/-0.753 χ^2/NDF :1380601.0/24

Right Out: 3577.892+/-0.962 χ^2/NDF : 756749.9/19

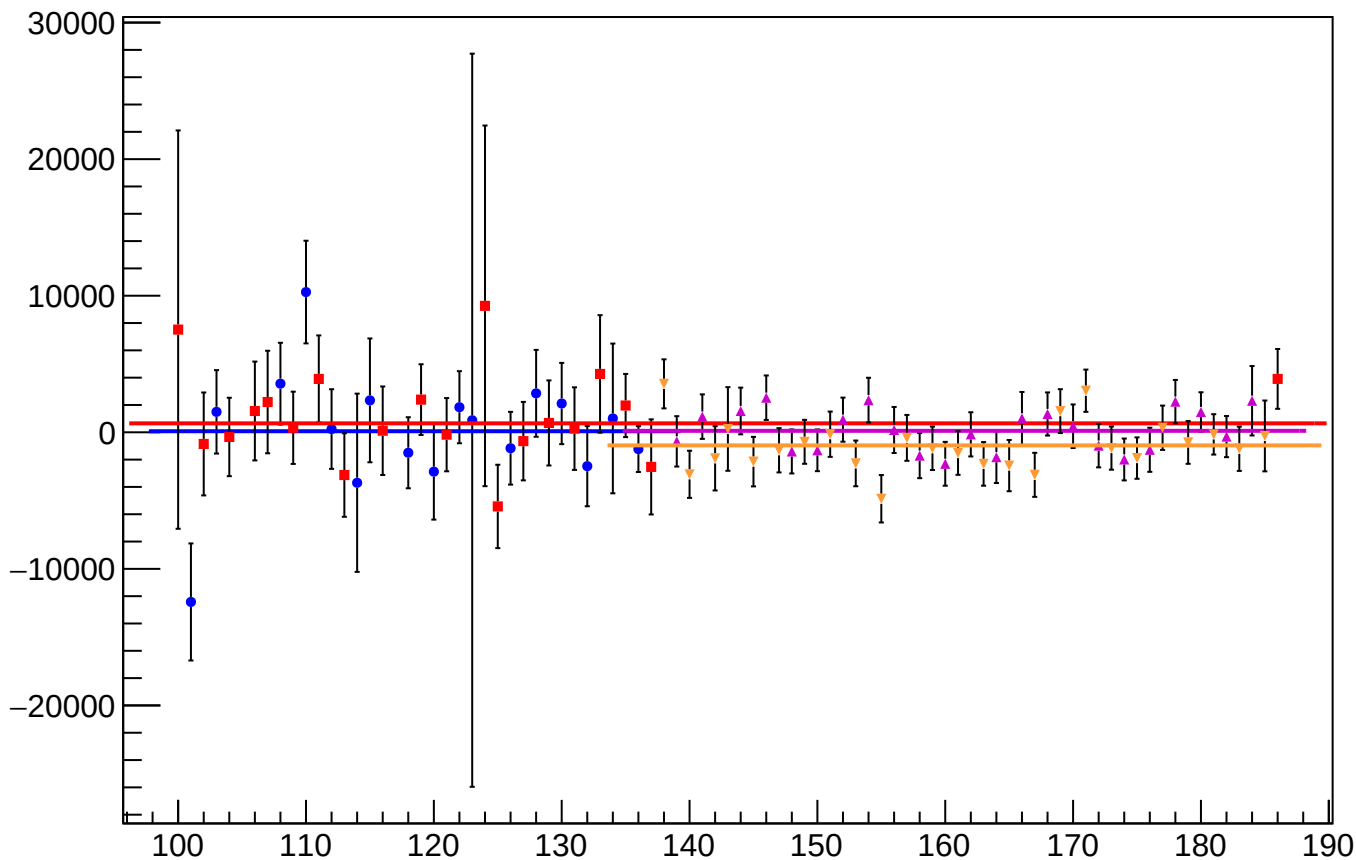
Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

+ sign 4262.703+/-0.617 χ^2/NDF : 1933535.2/41

All: 4229.009+/-0.435 χ^2/NDF : 4390031.1/84

- sign 4195.765+/-0.613 χ^2/NDF : 2450564.5/42

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 78.213+/-752.844 χ^2/NDF : 22.4/16

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 655.228+/-697.722 χ^2/NDF : 12.6/19

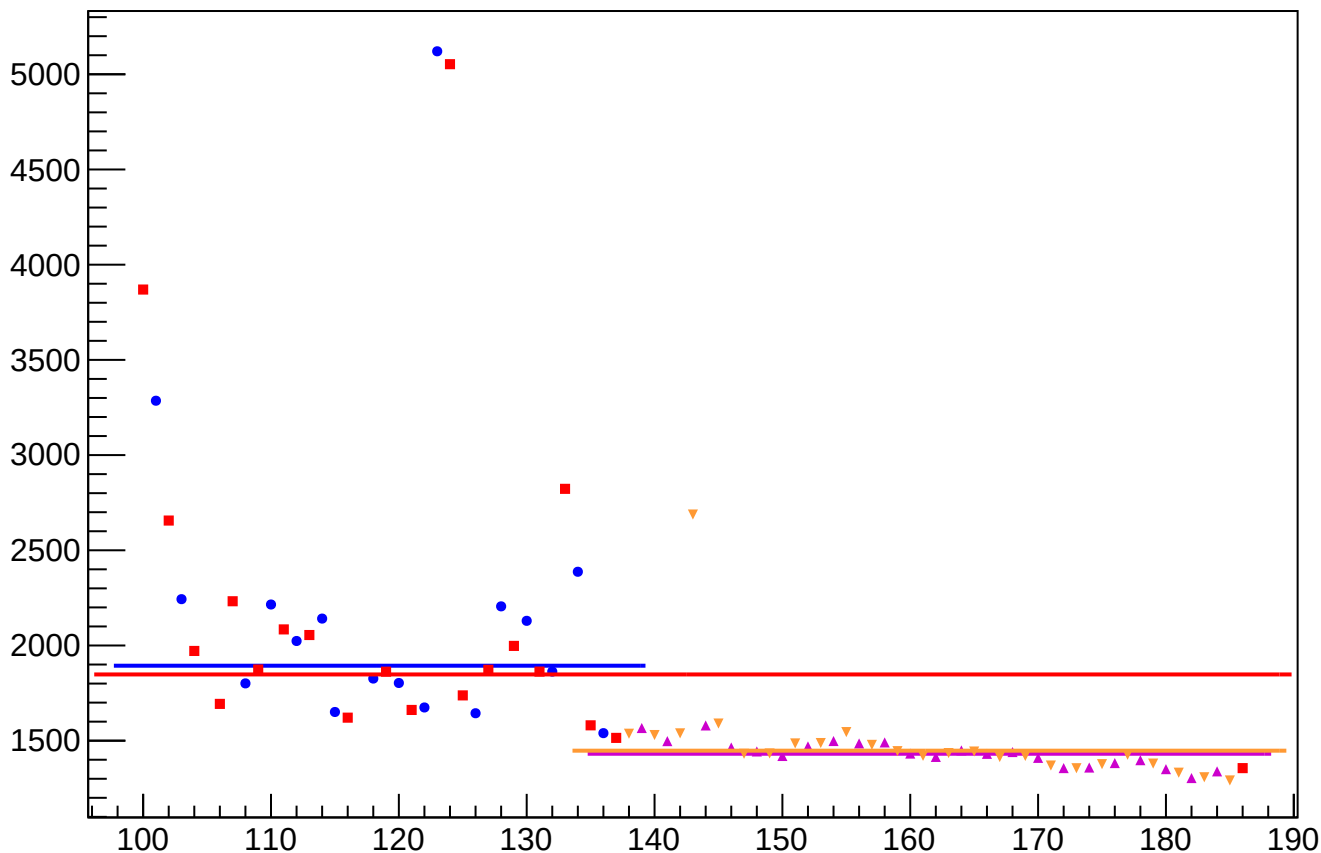
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -783.230+/-309.484 χ^2/NDF : 52.5/41

All: -282.471+/-218.416 χ^2/NDF : 90.2/84

- sign 214.448+/-308.295 χ^2/NDF : 32.5/42

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1893.797 $\pm$ 0.532 χ^2 /NDF: 466447.3/16

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1847.932 $\pm$ 0.493 χ^2 /NDF: 572501.2/19

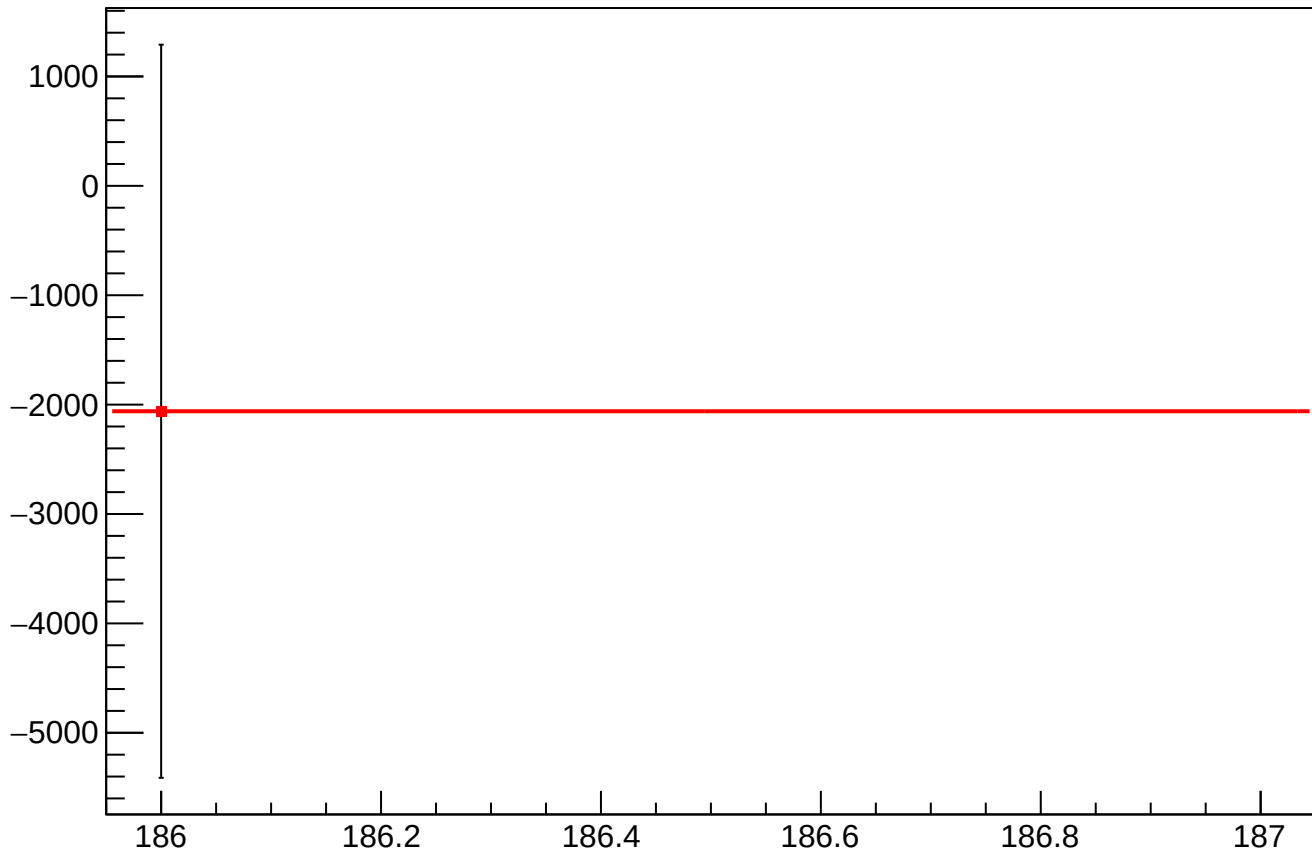
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1522.967 $\pm$ 0.219 χ^2 /NDF: 1469646.3/41

All: 1517.848 $\pm$ 0.154 χ^2 /NDF: 2691852.2/84

- sign 1512.770 $\pm$ 0.218 χ^2 /NDF: 1221116.2/42

asym_atl_dd_atr_dd_dd_correction_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: -2060.424 $\pm$ 3350.994 χ^2 /NDF: 0.0/0

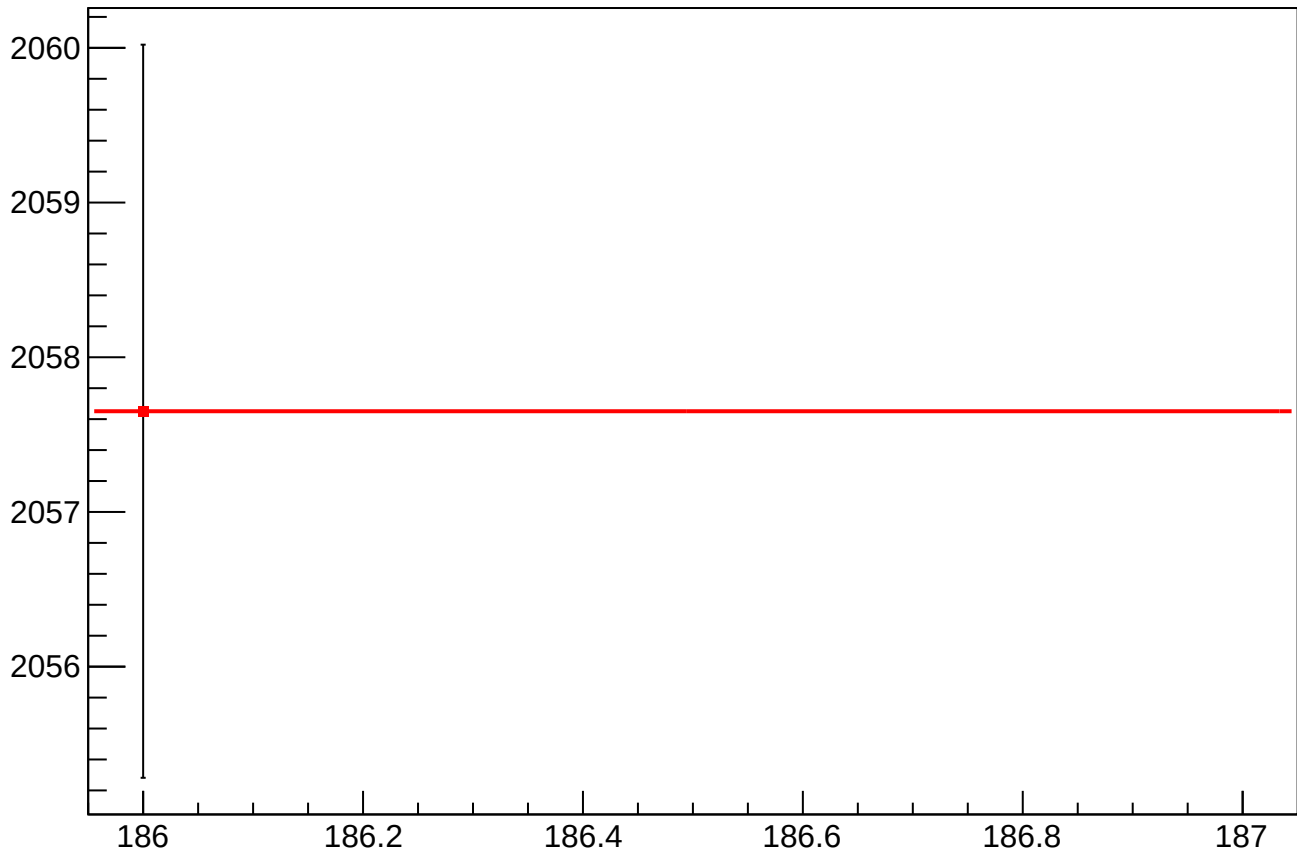
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -2060.424 $\pm$ 3350.994 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_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: 2057.651 $\pm$ 2.370 χ^2 /NDF: 0.0/0

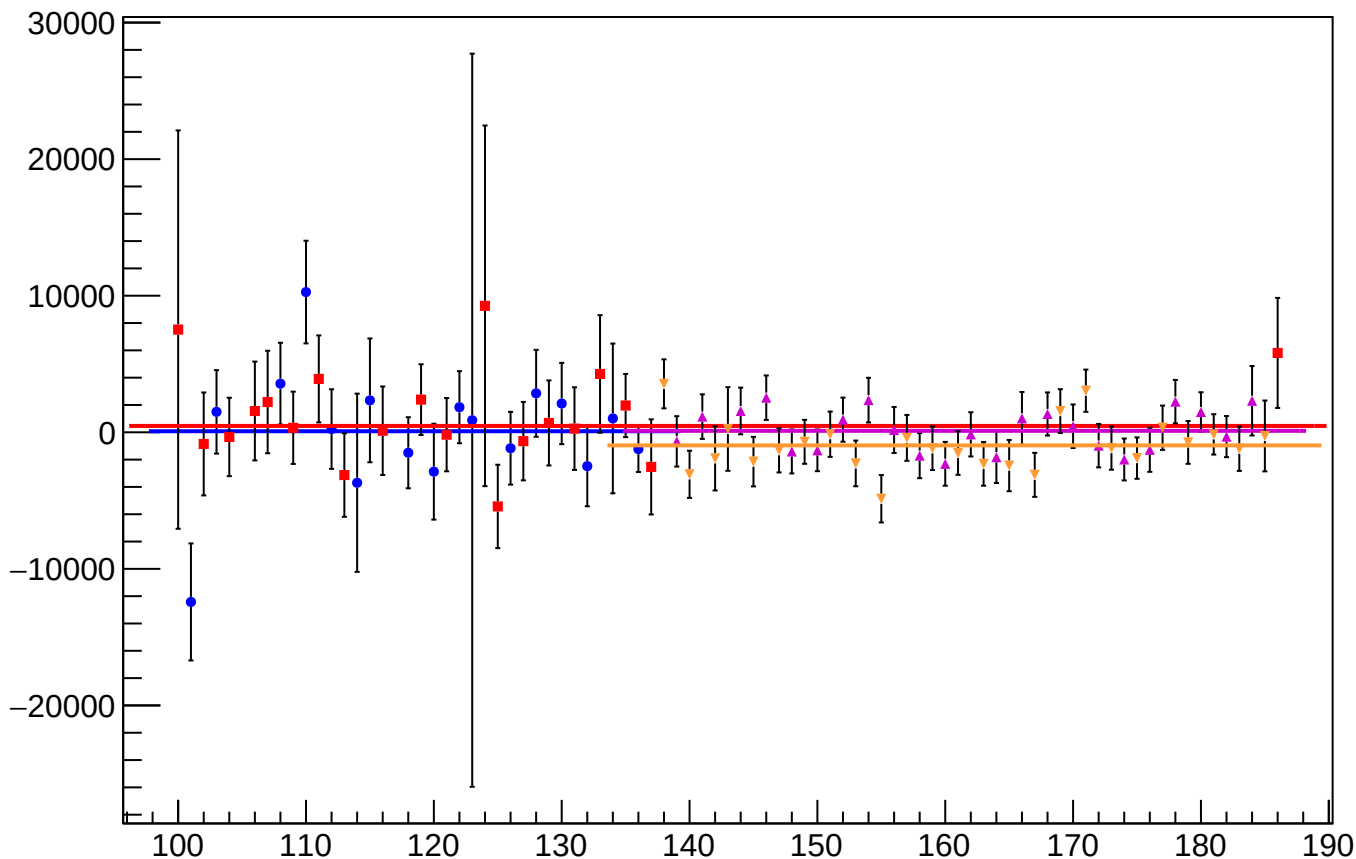
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 2057.651 $\pm$ 2.370 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 78.213+/-752.844 χ^2/NDF : 22.4/16

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 466.082+/-724.074 χ^2/NDF : 12.0/19

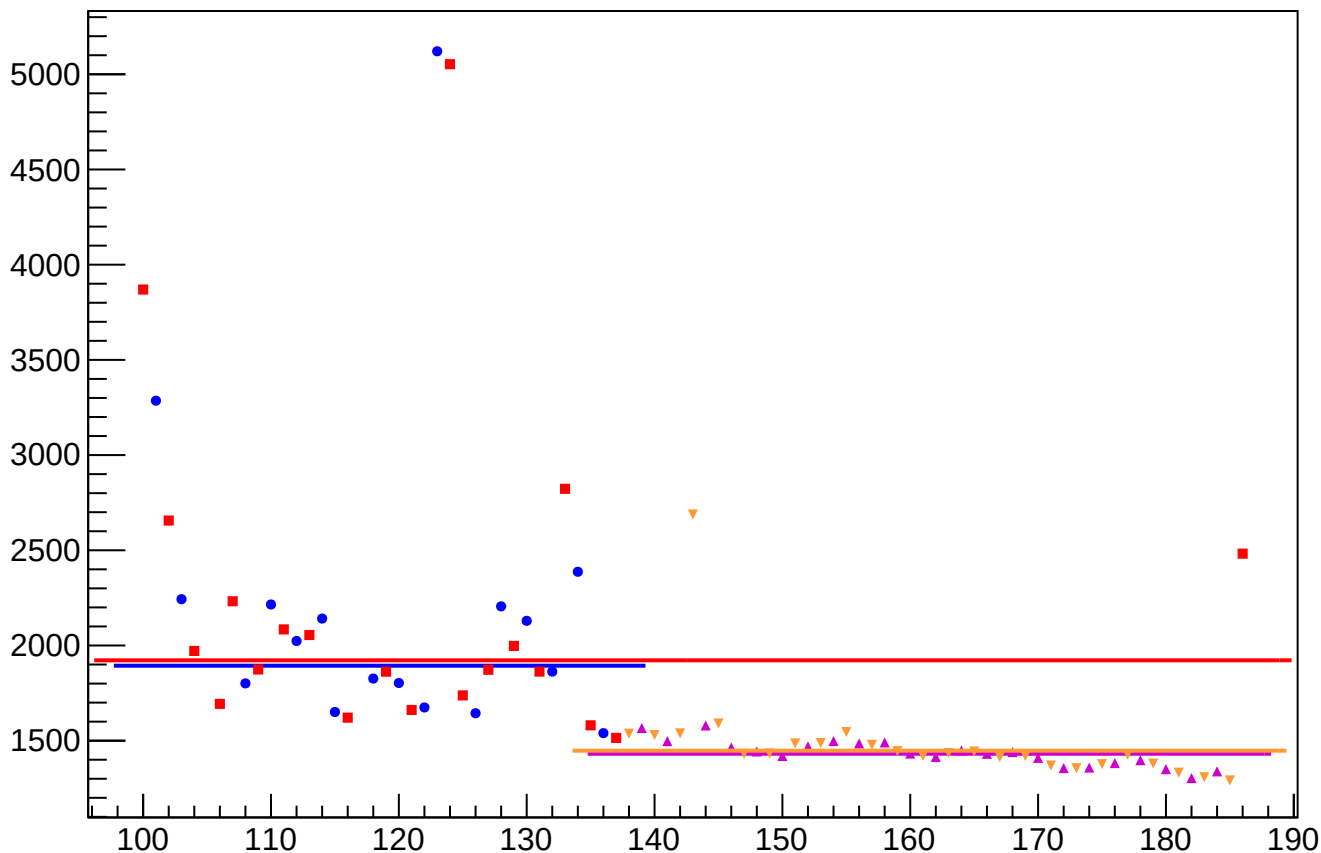
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -783.230+/-309.484 χ^2/NDF : 52.5/41

All: -306.416+/-219.185 χ^2/NDF : 88.8/84

- sign 173.436+/-310.468 χ^2/NDF : 31.6/42

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1893.797 $\pm$ 0.532 χ^2 /NDF: 466447.3/16

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1922.172 $\pm$ 0.512 χ^2 /NDF: 500187.4/19

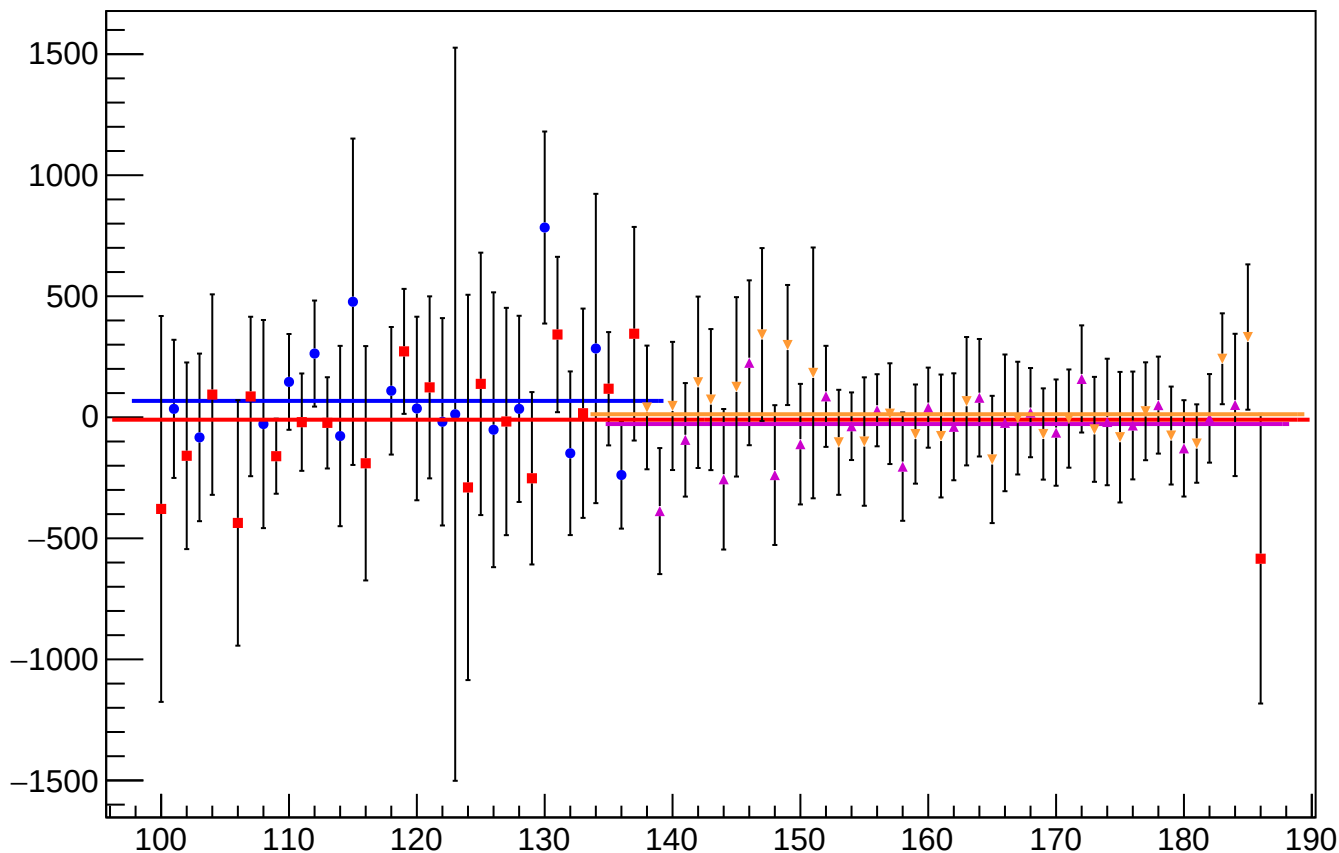
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1522.967 $\pm$ 0.219 χ^2 /NDF: 1469646.3/41

All: 1522.324 $\pm$ 0.155 χ^2 /NDF: 2794710.4/84

- sign 1521.677 $\pm$ 0.220 χ^2 /NDF: 1325046.8/42

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.747 $\pm$ 79.837 χ^2 /NDF: 7.5/16

Left Out: 12.618 $\pm$ 47.486 χ^2 /NDF: 7.7/24

Right Out: -9.928 $\pm$ 69.545 χ^2 /NDF: 7.4/19

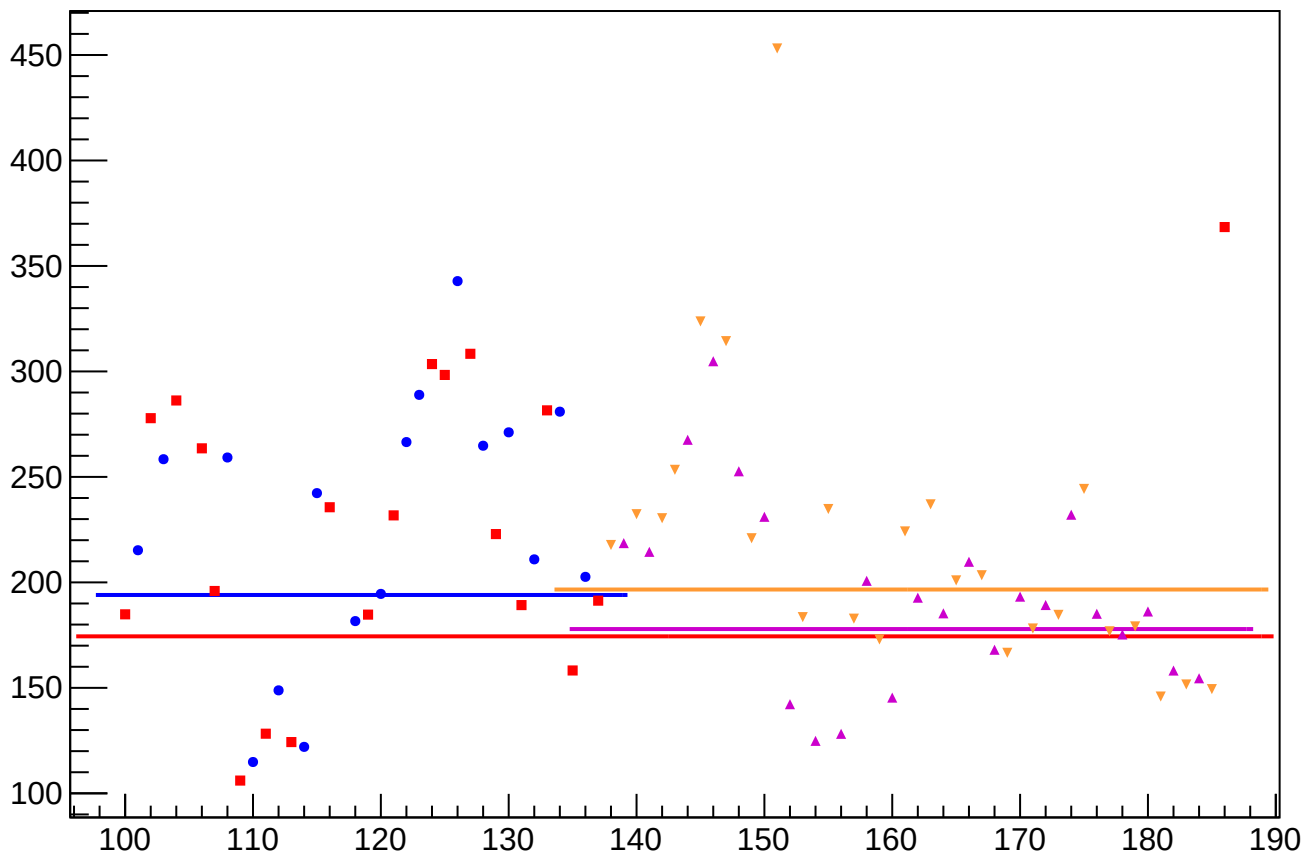
Left In: -27.921 $\pm$ 44.523 χ^2 /NDF: 6.5/22

+ sign 27.025 $\pm$ 40.812 χ^2 /NDF: 15.6/41

All: 0.066 $\pm$ 27.612 χ^2 /NDF: 30.3/84

- sign -22.690 $\pm$ 37.497 χ^2 /NDF: 14.0/42

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.032 $\pm$ 0.056 χ^2/NDF : 1011944.3/16

Left Out: 196.620 $\pm$ 0.034 χ^2/NDF : 1793507.9/24

Right Out: 174.419 $\pm$ 0.049 χ^2/NDF : 1784905.9/19

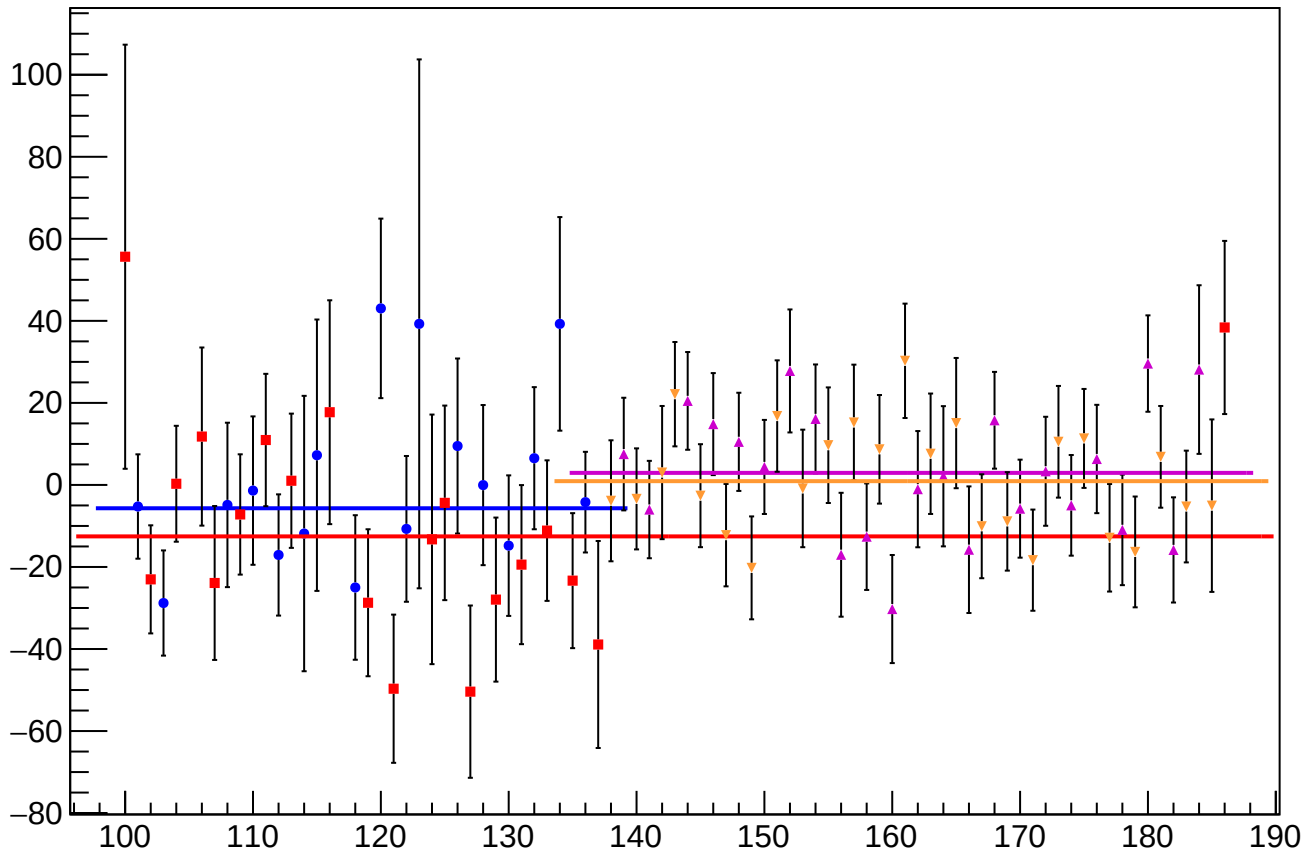
Left In: 177.878 $\pm$ 0.031 χ^2/NDF : 1644086.7/22

+ sign 195.943 $\pm$ 0.029 χ^2/NDF : 2807003.9/41

All: 185.602 $\pm$ 0.020 χ^2/NDF : 6476321.1/84

- sign 176.872 $\pm$ 0.027 χ^2/NDF : 3432501.6/42

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.687 $\pm$ 4.361 χ^2/NDF : 15.2/16

Left Out: 0.920 $\pm$ 2.696 χ^2/NDF : 24.0/24

Right Out: -12.545 $\pm$ 4.187 χ^2/NDF : 25.5/19

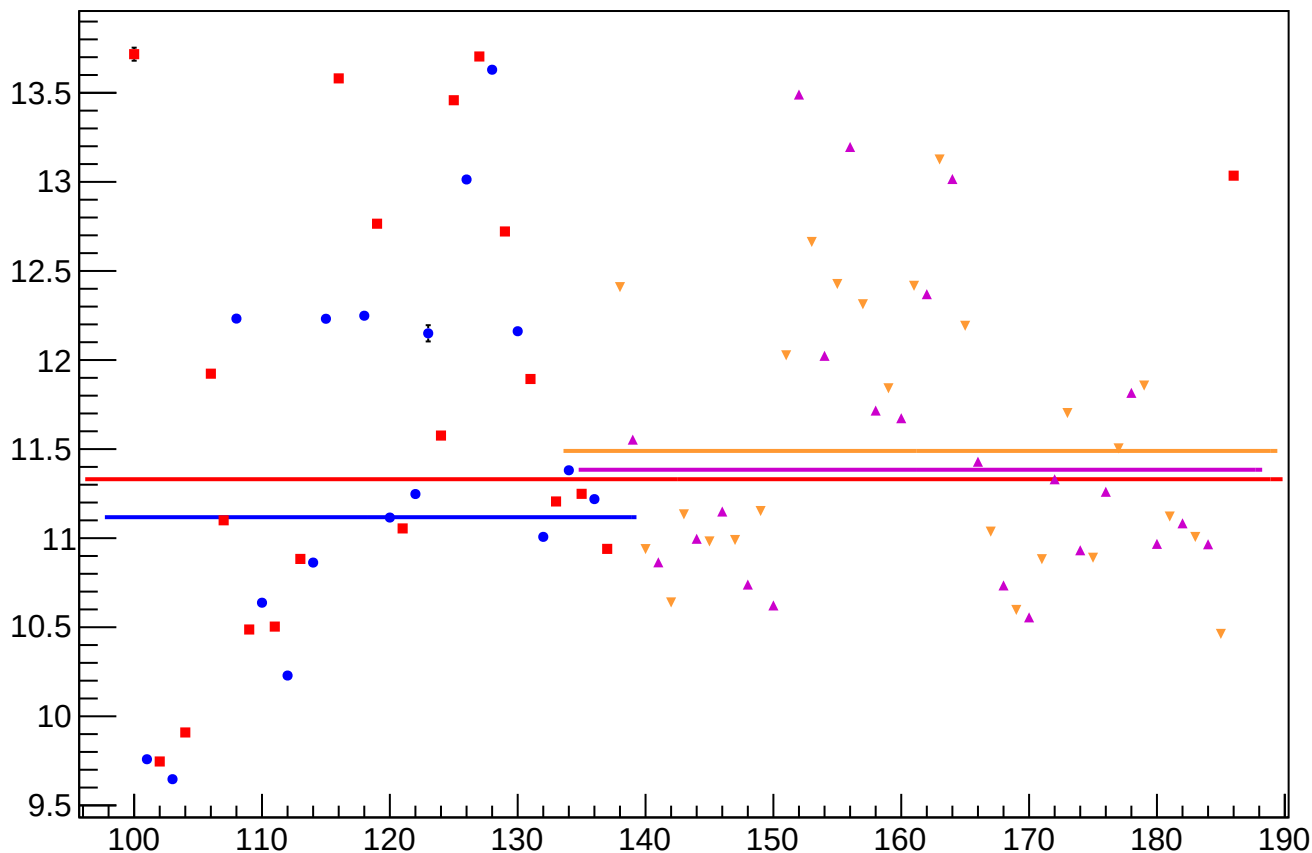
Left In: 2.941 $\pm$ 2.745 χ^2/NDF : 31.0/22

+ sign -0.907 $\pm$ 2.293 χ^2/NDF : 40.8/41

All: -1.310 $\pm$ 1.622 χ^2/NDF : 107.0/84

- sign -1.714 $\pm$ 2.295 χ^2/NDF : 66.1/42

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.118 $\pm$ 0.003 χ^2 /NDF: 131951.0/16

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 11.331 $\pm$ 0.003 χ^2 /NDF: 162266.2/19

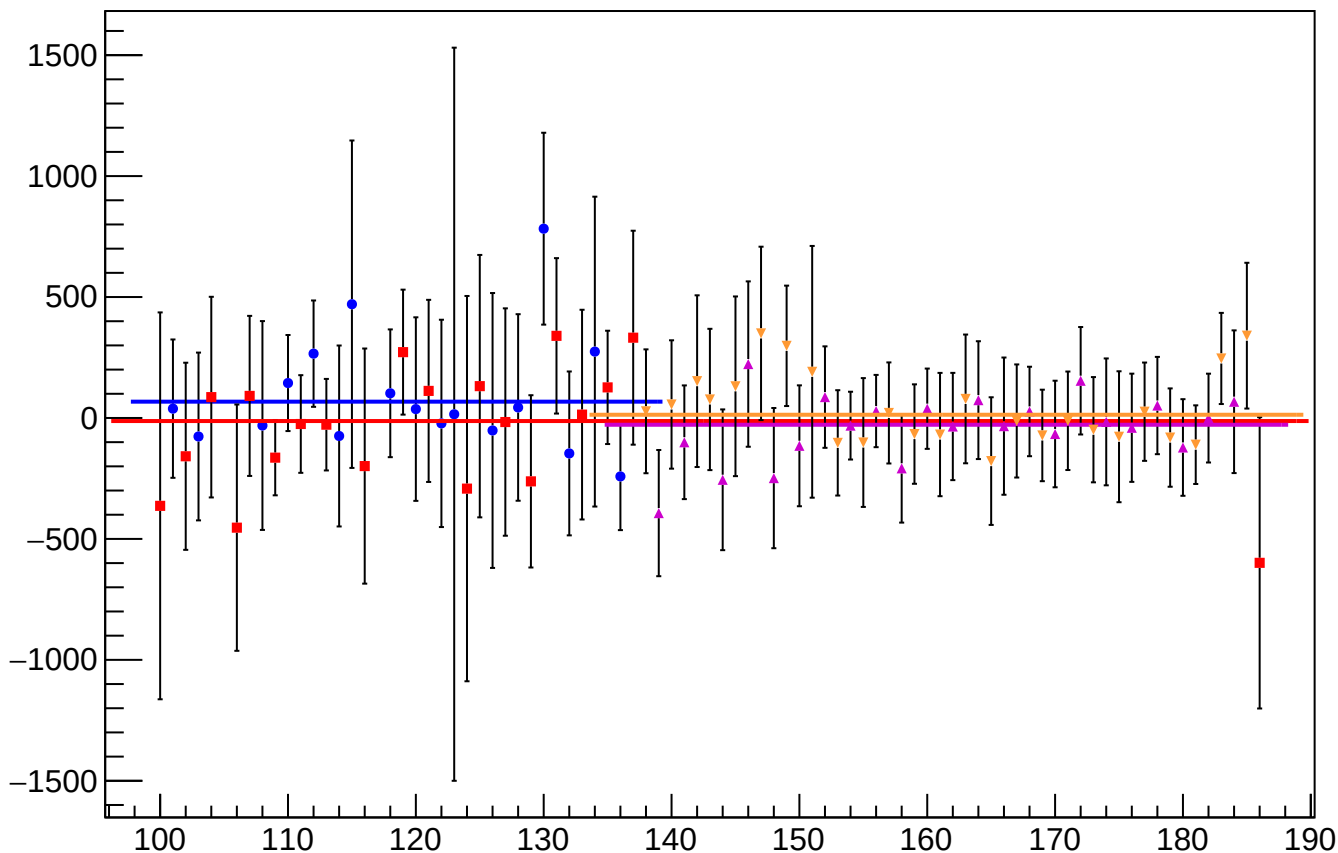
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.387 $\pm$ 0.002 χ^2 /NDF: 274880.5/41

All: 11.378 $\pm$ 0.001 χ^2 /NDF: 587238.6/84

- sign 11.368 $\pm$ 0.002 χ^2 /NDF: 312291.1/42

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.460 ± 80.048 χ^2/NDF : 7.5/16

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: -12.690 ± 69.752 χ^2/NDF : 7.5/19

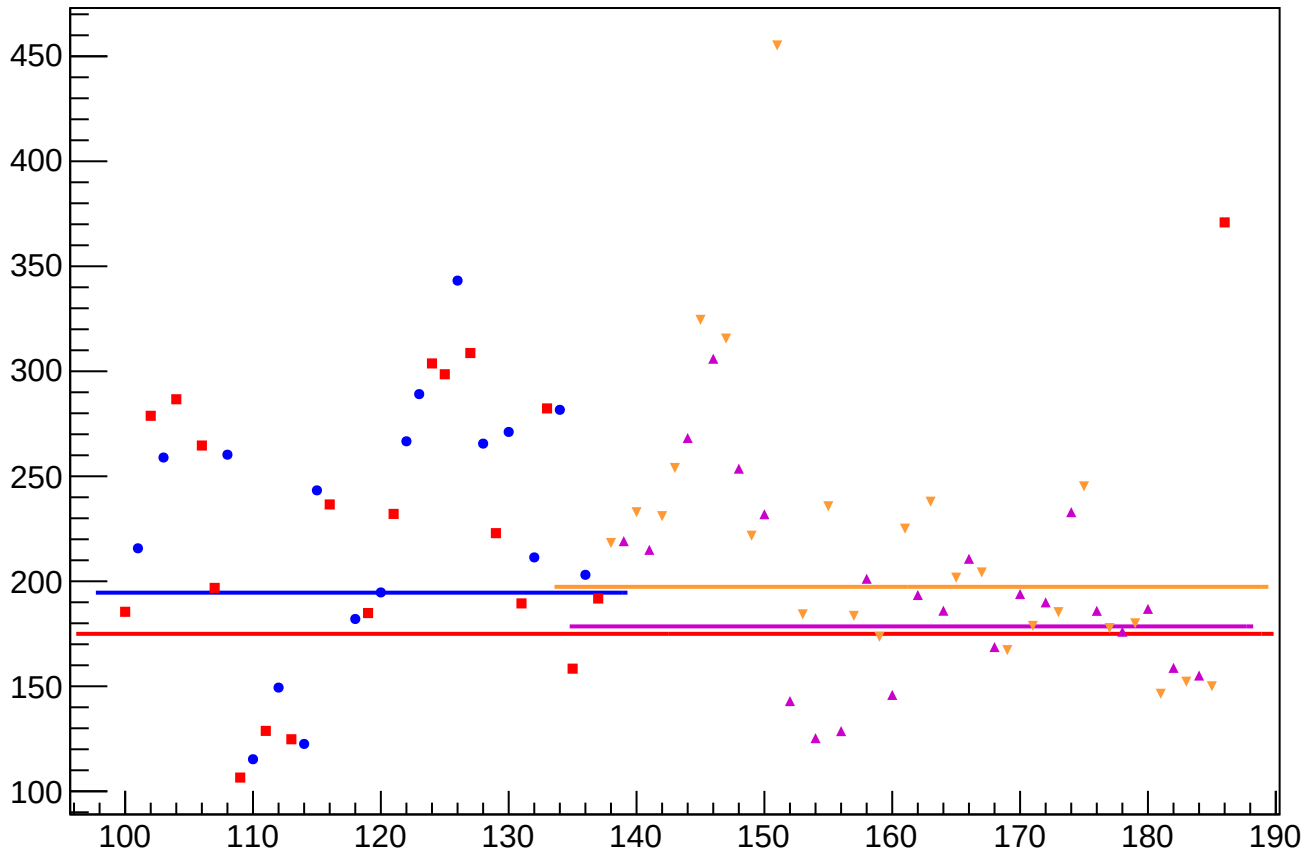
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign 27.492 ± 40.952 χ^2/NDF : 15.7/41

All: -0.204 ± 27.706 χ^2/NDF : 30.7/84

- sign -23.581 ± 37.624 χ^2/NDF : 14.1/42

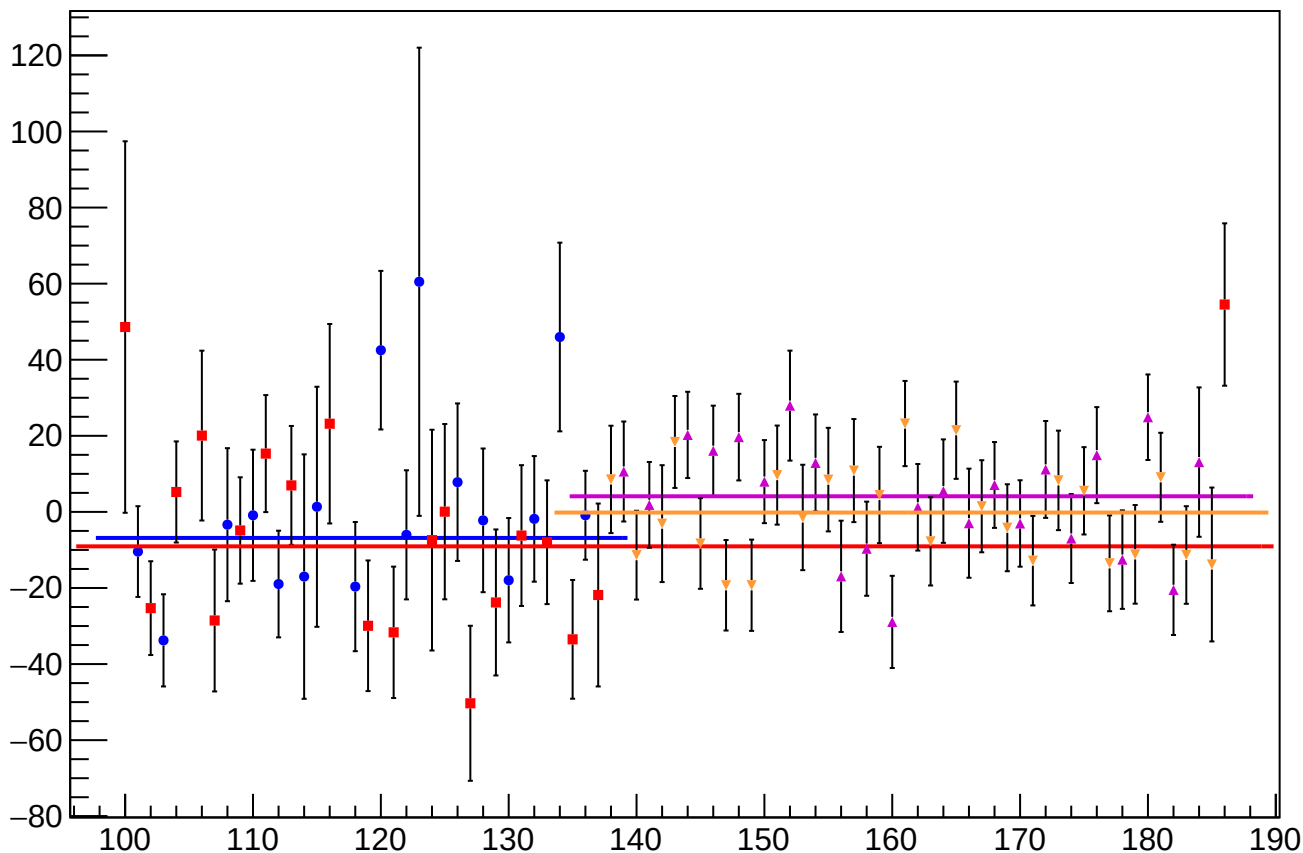
asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.582 ± 0.057 $\chi^2/\text{NDF}: 1006984.2/16$
 Left Out: 197.355 ± 0.034 $\chi^2/\text{NDF}: 1790824.5/24$
 Right Out: 174.977 ± 0.049 $\chi^2/\text{NDF}: 1778891.2/19$
 Left In: 178.512 ± 0.032 $\chi^2/\text{NDF}: 1642304.1/22$

+ sign 196.629 ± 0.029 $\chi^2/\text{NDF}: 2799580.2/41$
 All: 186.247 ± 0.020 $\chi^2/\text{NDF}: 6461477.9/84$
 - sign 177.483 ± 0.027 $\chi^2/\text{NDF}: 3424838.5/42$

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.841 ± 4.162 χ^2/NDF : 19.4/16

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -9.053 ± 4.013 χ^2/NDF : 31.9/19

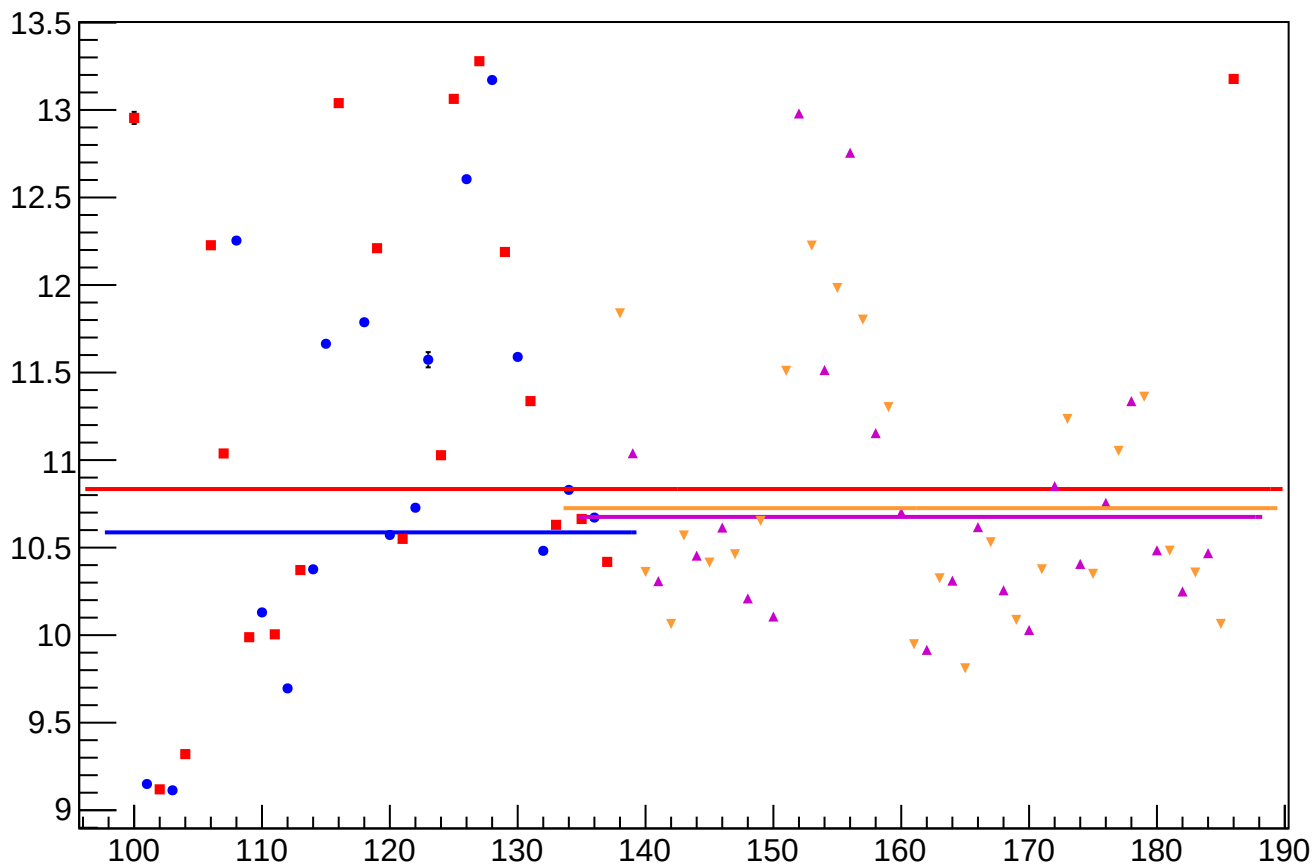
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -1.960 ± 2.156 χ^2/NDF : 45.6/41

All: -0.855 ± 1.529 χ^2/NDF : 117.2/84

- sign 0.264 ± 2.168 χ^2/NDF : 71.1/42

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.587 ± 0.003 χ^2/NDF : 159222.7/16

Left Out: 10.725 ± 0.002 χ^2/NDF : 132170.8/24

Right Out: 10.835 ± 0.003 χ^2/NDF : 203166.0/19

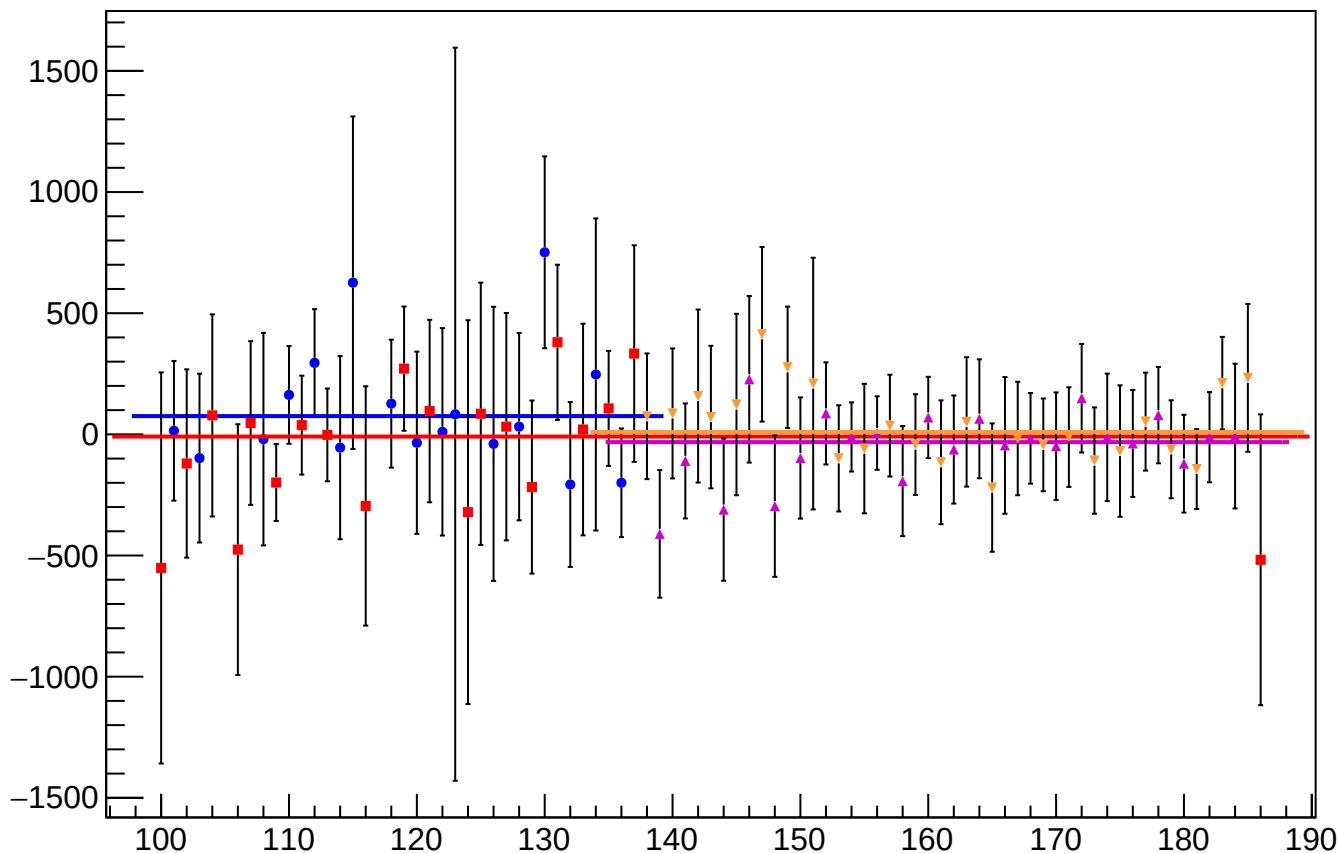
Left In: 10.675 ± 0.002 χ^2/NDF : 145938.2/22

+ sign 10.688 ± 0.002 χ^2/NDF : 293012.2/41

All: 10.705 ± 0.001 χ^2/NDF : 644589.4/84

- sign 10.722 ± 0.002 χ^2/NDF : 351335.3/42

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.370 $\pm$ 80.583 χ^2 /NDF: 7.7/16

Left Out: 9.801 $\pm$ 47.979 χ^2 /NDF: 7.5/24

Right Out: -9.145 $\pm$ 70.406 χ^2 /NDF: 8.1/19

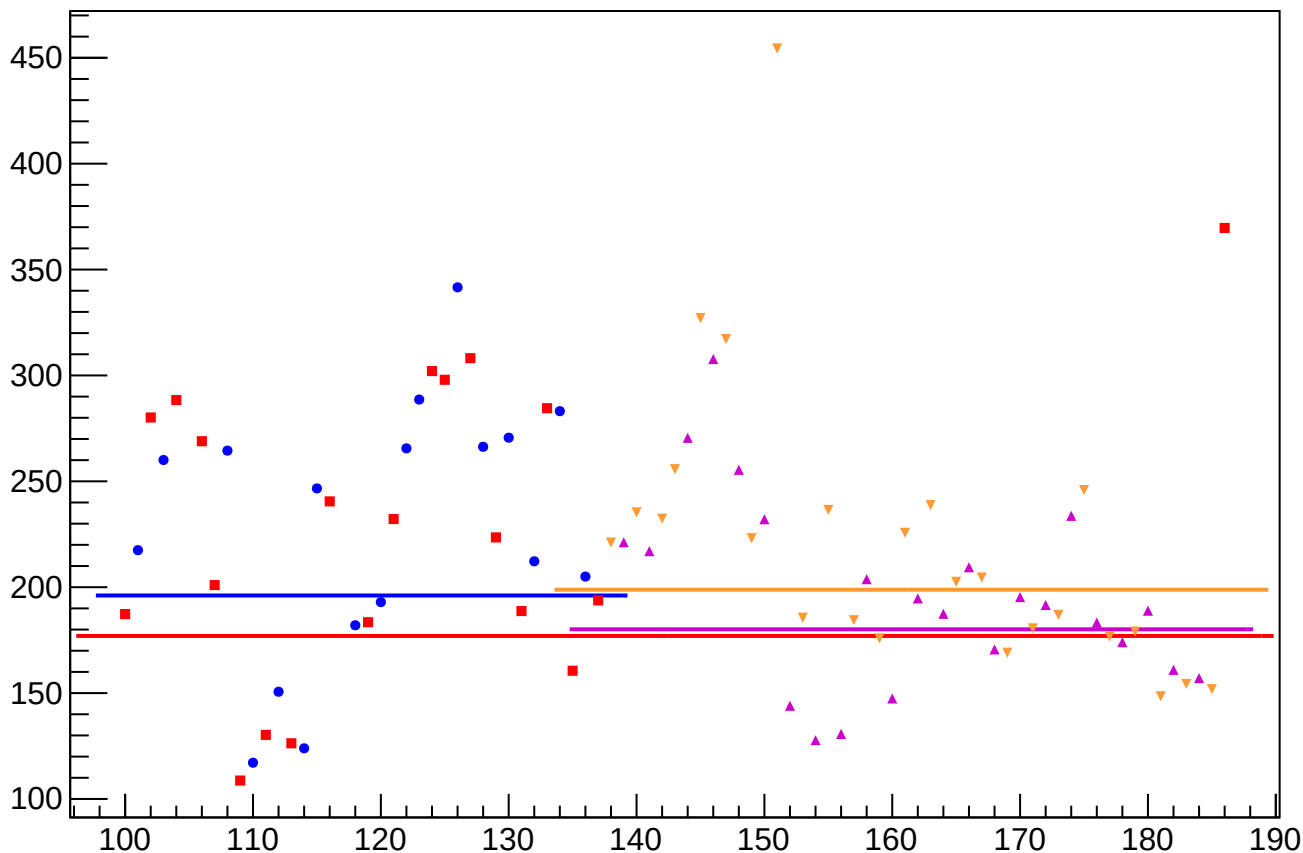
Left In: -31.989 $\pm$ 45.038 χ^2 /NDF: 7.2/22

+ sign 26.962 $\pm$ 41.225 χ^2 /NDF: 15.7/41

All: -1.364 $\pm$ 27.917 χ^2 /NDF: 31.9/84

- sign -25.355 $\pm$ 37.940 χ^2 /NDF: 15.3/42

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 196.085 $\pm$ 0.057 χ^2/NDF : 981134.1/16

Left Out: 198.800 $\pm$ 0.034 χ^2/NDF : 1763119.1/24

Right Out: 176.990 $\pm$ 0.050 χ^2/NDF : 1732859.9/19

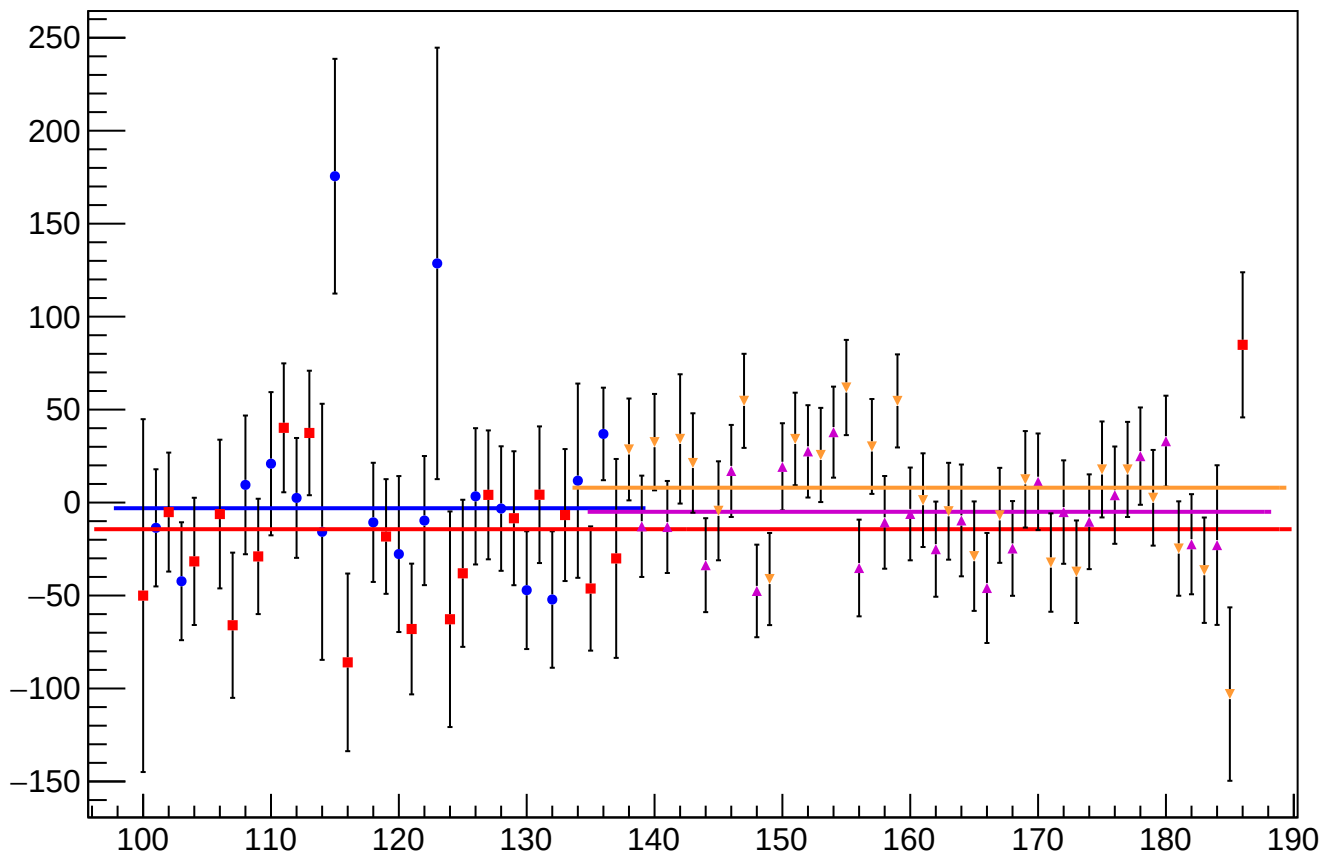
Left In: 180.123 $\pm$ 0.032 χ^2/NDF : 1593842.6/22

+ sign 198.090 $\pm$ 0.029 χ^2/NDF : 2745929.1/41

All: 187.870 $\pm$ 0.020 χ^2/NDF : 6302472.6/84

- sign 179.213 $\pm$ 0.027 χ^2/NDF : 3329512.5/42

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.043 ± 8.901 χ^2/NDF : 18.4/16

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -14.326 ± 8.374 χ^2/NDF : 21.1/19

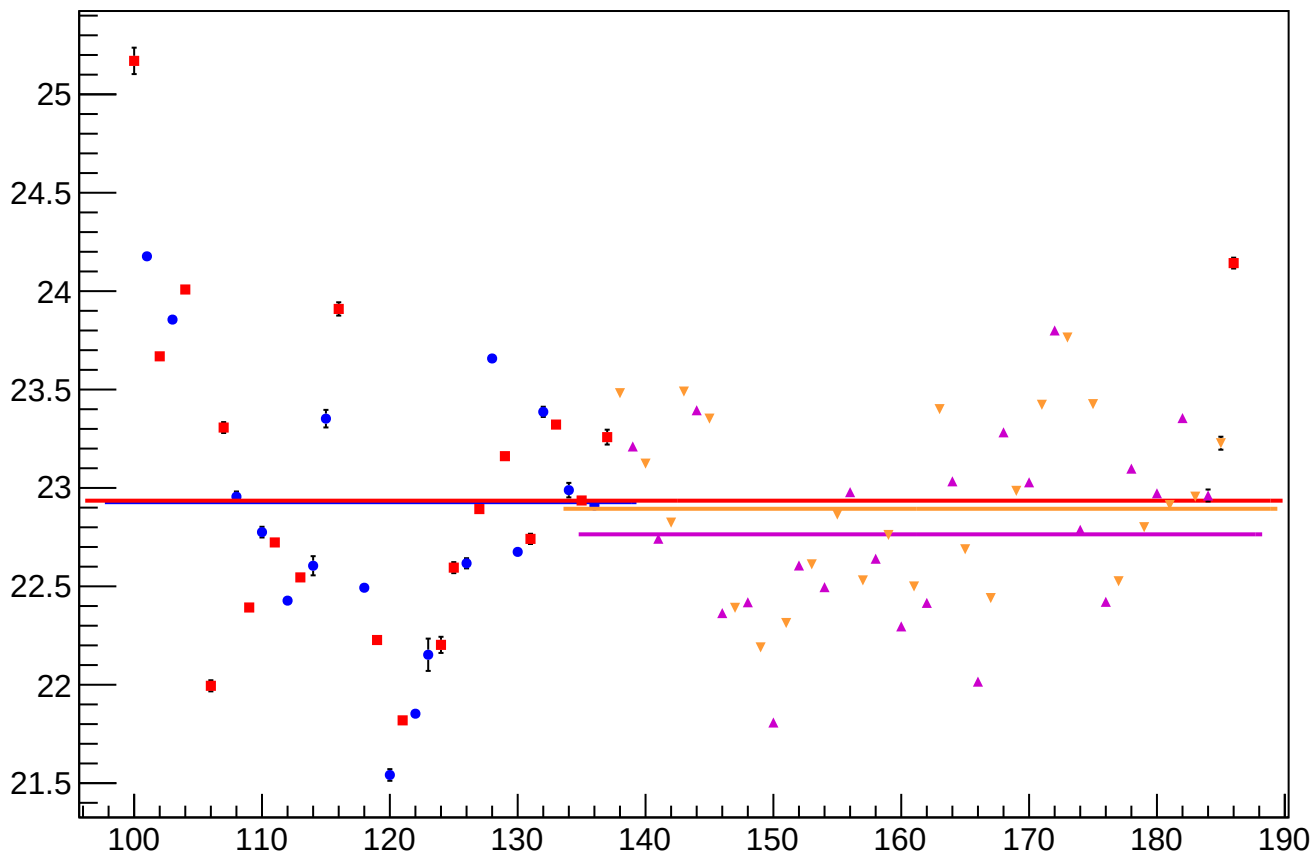
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 5.080 ± 4.571 χ^2/NDF : 56.9/41

All: -1.345 ± 3.230 χ^2/NDF : 103.3/84

- sign -7.752 ± 4.565 χ^2/NDF : 42.4/42

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.928 $\pm$ 0.006 χ^2 /NDF: 11600.9/16

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.935 $\pm$ 0.006 χ^2 /NDF: 13104.8/19

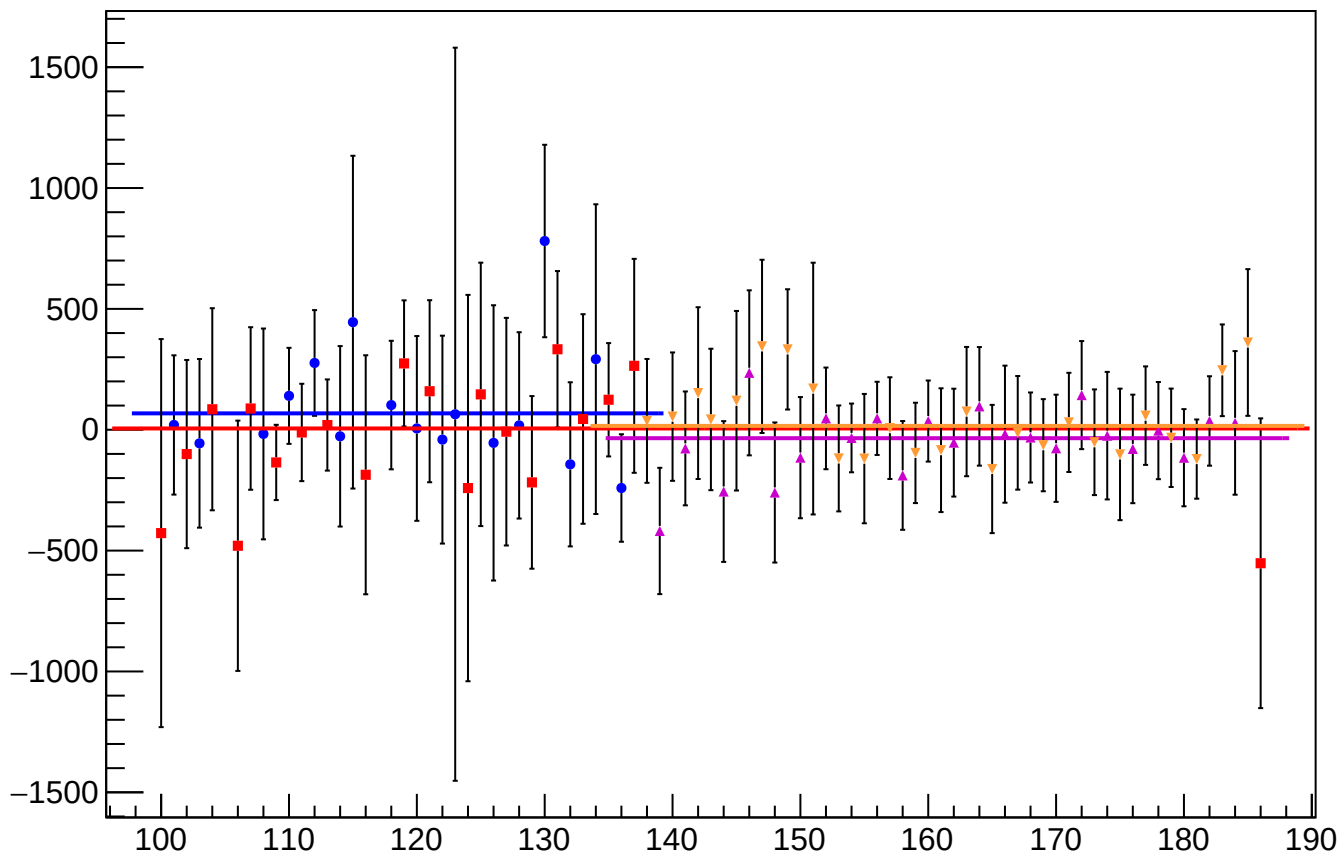
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.903 $\pm$ 0.003 χ^2 /NDF: 24692.2/41

All: 22.859 $\pm$ 0.002 χ^2 /NDF: 53419.2/84

- sign 22.815 $\pm$ 0.003 χ^2 /NDF: 28357.0/42

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.779 $\pm$ 80.229 χ^2 /NDF: 7.4/16

Left Out: 15.904 $\pm$ 47.898 χ^2 /NDF: 8.4/24

Right Out: 5.314 $\pm$ 69.918 χ^2 /NDF: 6.6/19

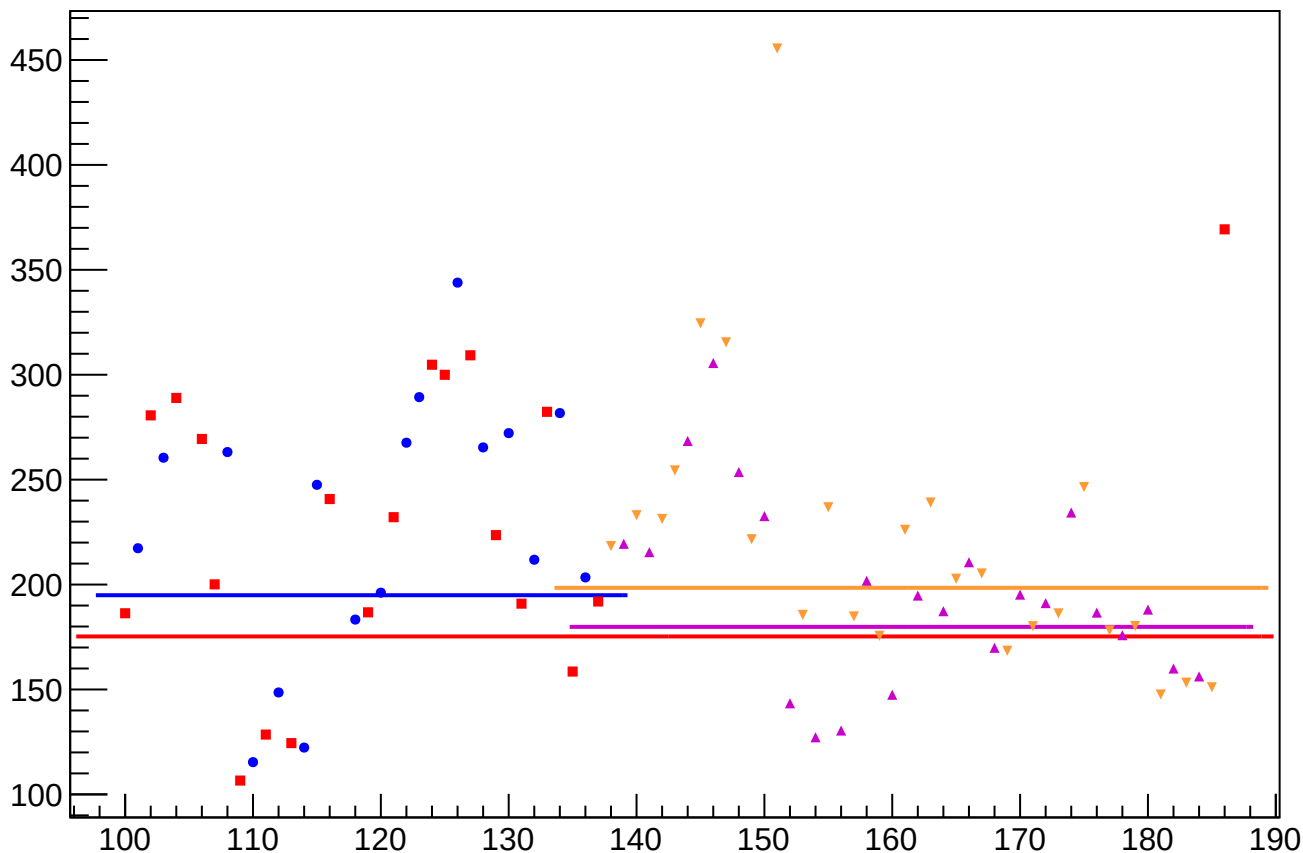
Left In: -34.919 $\pm$ 44.971 χ^2 /NDF: 6.6/22

+ sign 29.535 $\pm$ 41.126 χ^2 /NDF: 16.2/41

All: 0.994 $\pm$ 27.839 χ^2 /NDF: 30.5/84

- sign -23.145 $\pm$ 37.823 χ^2 /NDF: 13.4/42

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.927 $\pm$ 0.057 χ^2/NDF : 1021893.7/16

Left Out: 198.450 $\pm$ 0.034 χ^2/NDF : 1761433.9/24

Right Out: 175.271 $\pm$ 0.049 χ^2/NDF : 1803915.6/19

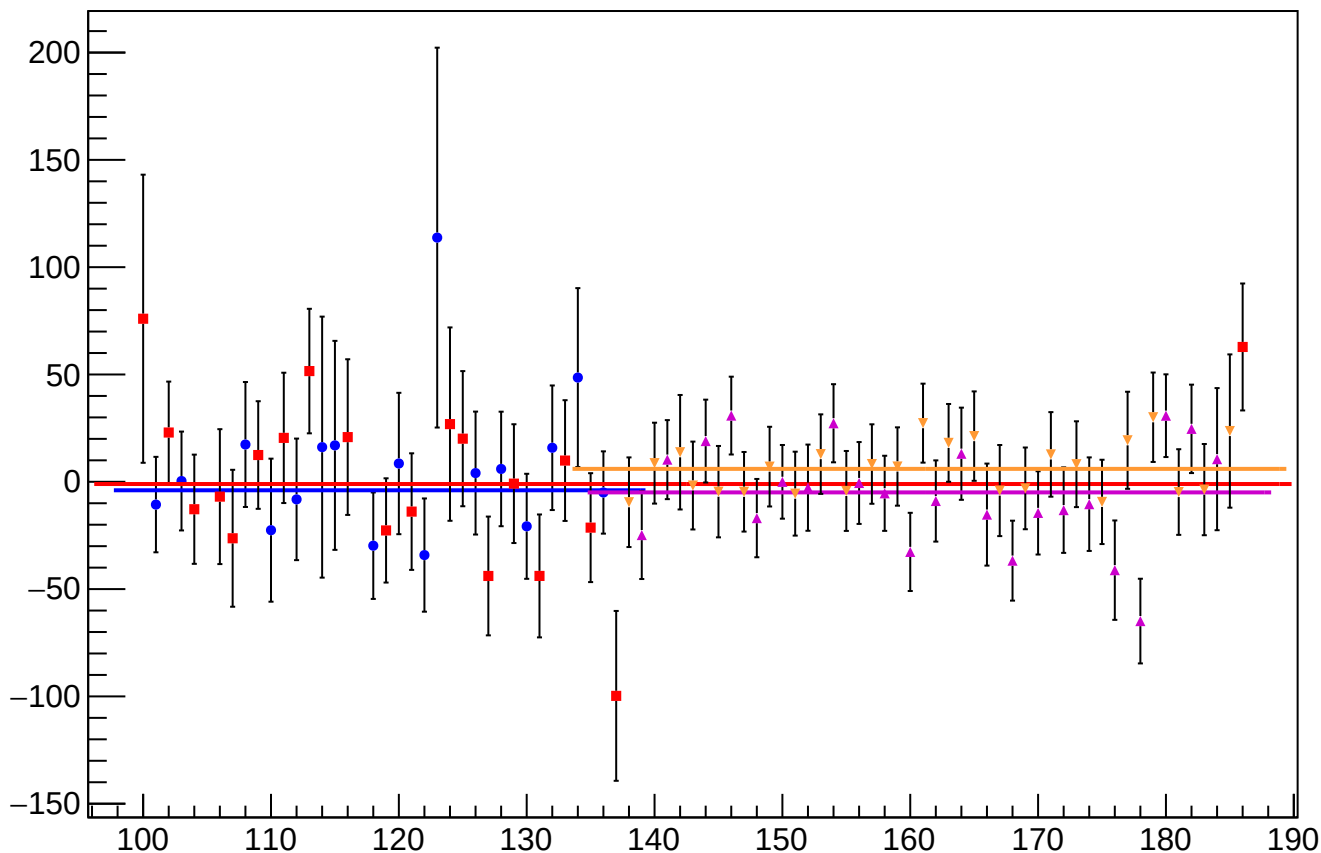
Left In: 179.839 $\pm$ 0.032 χ^2/NDF : 1588834.3/22

+ sign 197.524 $\pm$ 0.029 χ^2/NDF : 2786171.1/41

All: 187.218 $\pm$ 0.020 χ^2/NDF : 6416760.2/84

- sign 178.502 $\pm$ 0.027 χ^2/NDF : 3398790.0/42

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.959 ± 6.931 $\chi^2/\text{NDF}: 8.3/16$

Left Out: 6.020 ± 4.017 $\chi^2/\text{NDF}: 8.1/24$

Right Out: -1.040 ± 6.573 $\chi^2/\text{NDF}: 25.8/19$

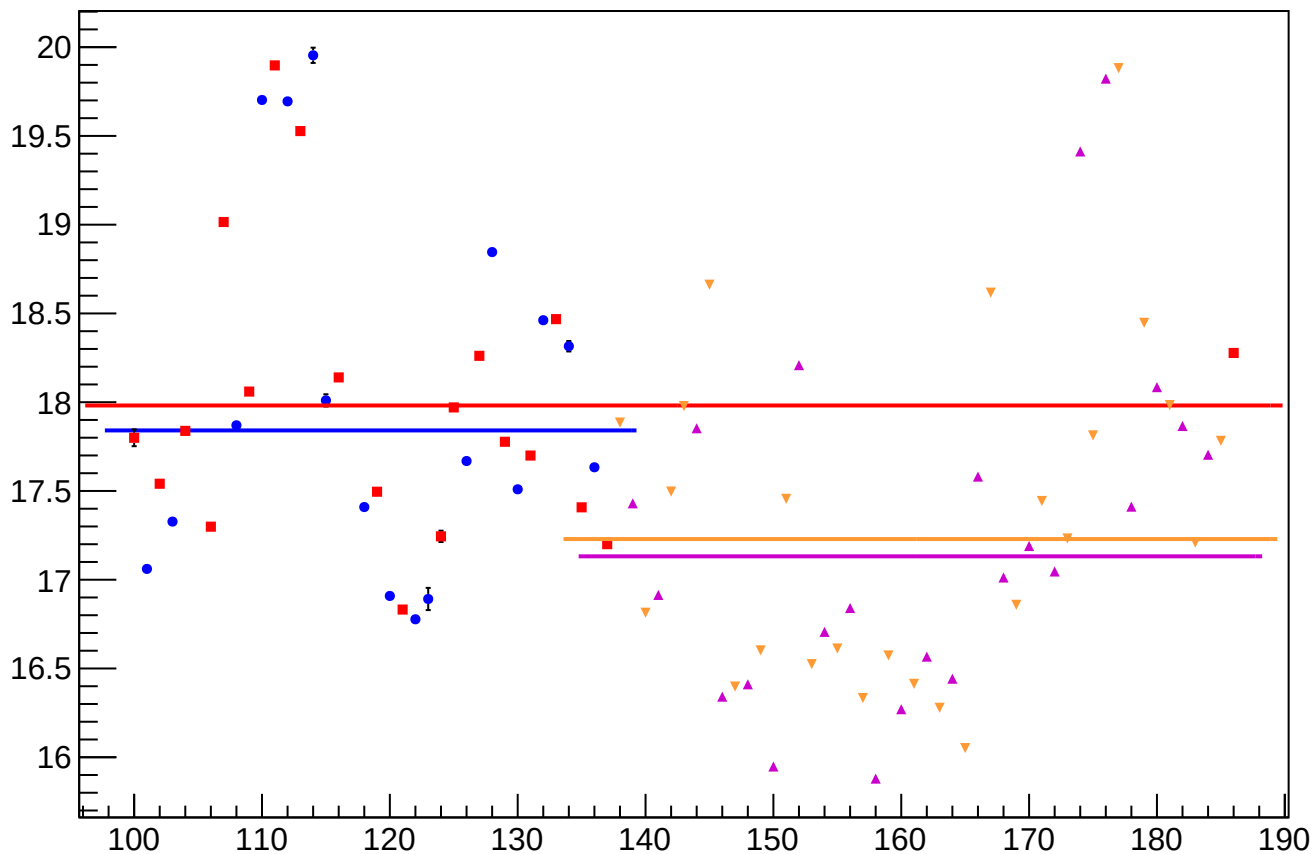
Left In: -4.943 ± 4.108 $\chi^2/\text{NDF}: 34.8/22$

+ sign 3.511 ± 3.476 $\chi^2/\text{NDF}: 18.0/41$

All: -0.160 ± 2.460 $\chi^2/\text{NDF}: 81.2/84$

- sign -3.847 ± 3.483 $\chi^2/\text{NDF}: 60.9/42$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.841 $\pm$ 0.005 χ^2 /NDF: 31077.0/16

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF: 98624.7/24

Right Out: 17.982 $\pm$ 0.005 χ^2 /NDF: 25534.5/19

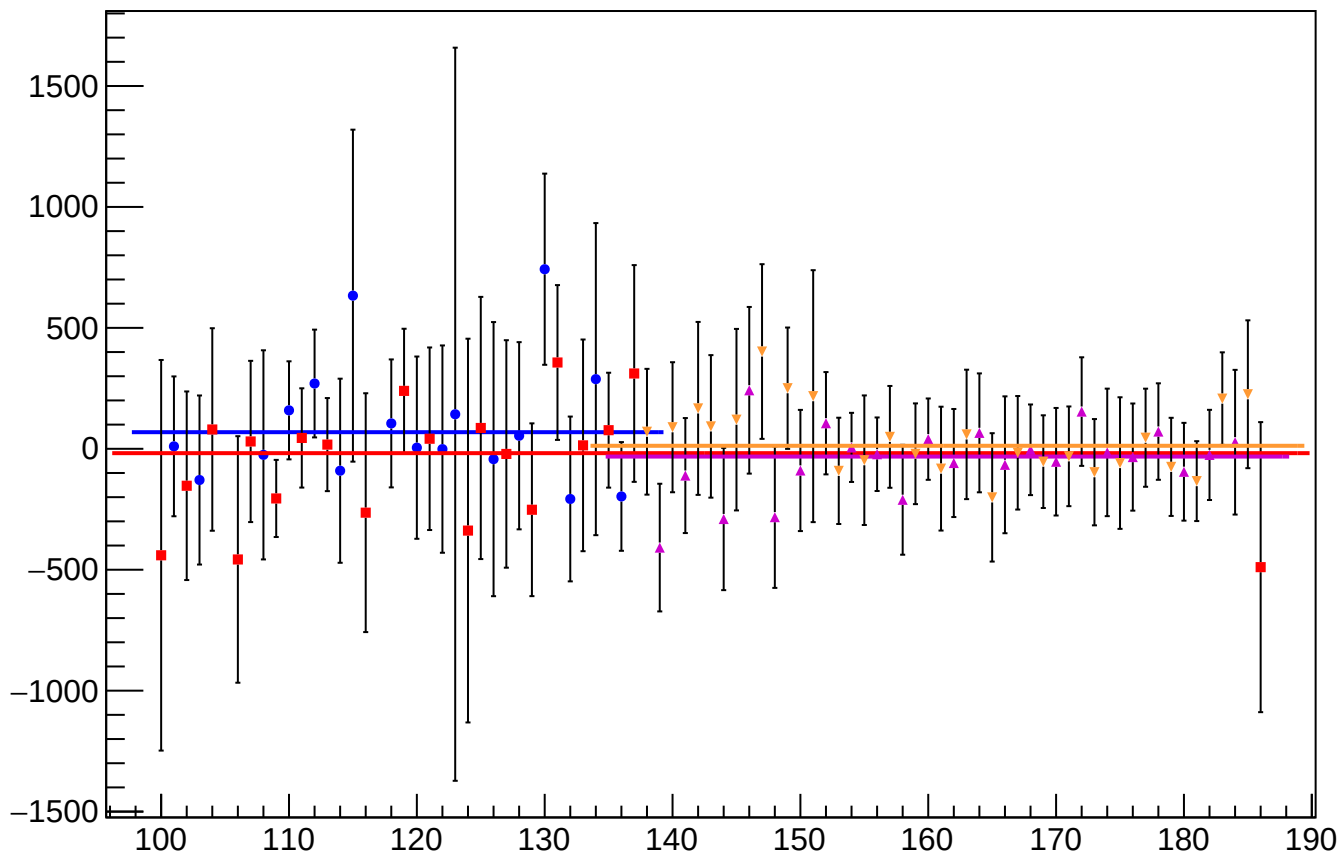
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 17.383 $\pm$ 0.002 χ^2 /NDF: 141369.7/41

All: 17.377 $\pm$ 0.002 χ^2 /NDF: 294950.4/84

- sign 17.370 $\pm$ 0.002 χ^2 /NDF: 153567.8/42

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 68.704 $\pm$ 80.783 χ^2 /NDF: 7.5/16

Left Out: 12.474 $\pm$ 48.086 χ^2 /NDF: 6.8/24

Right Out: -18.020 $\pm$ 70.560 χ^2 /NDF: 7.3/19

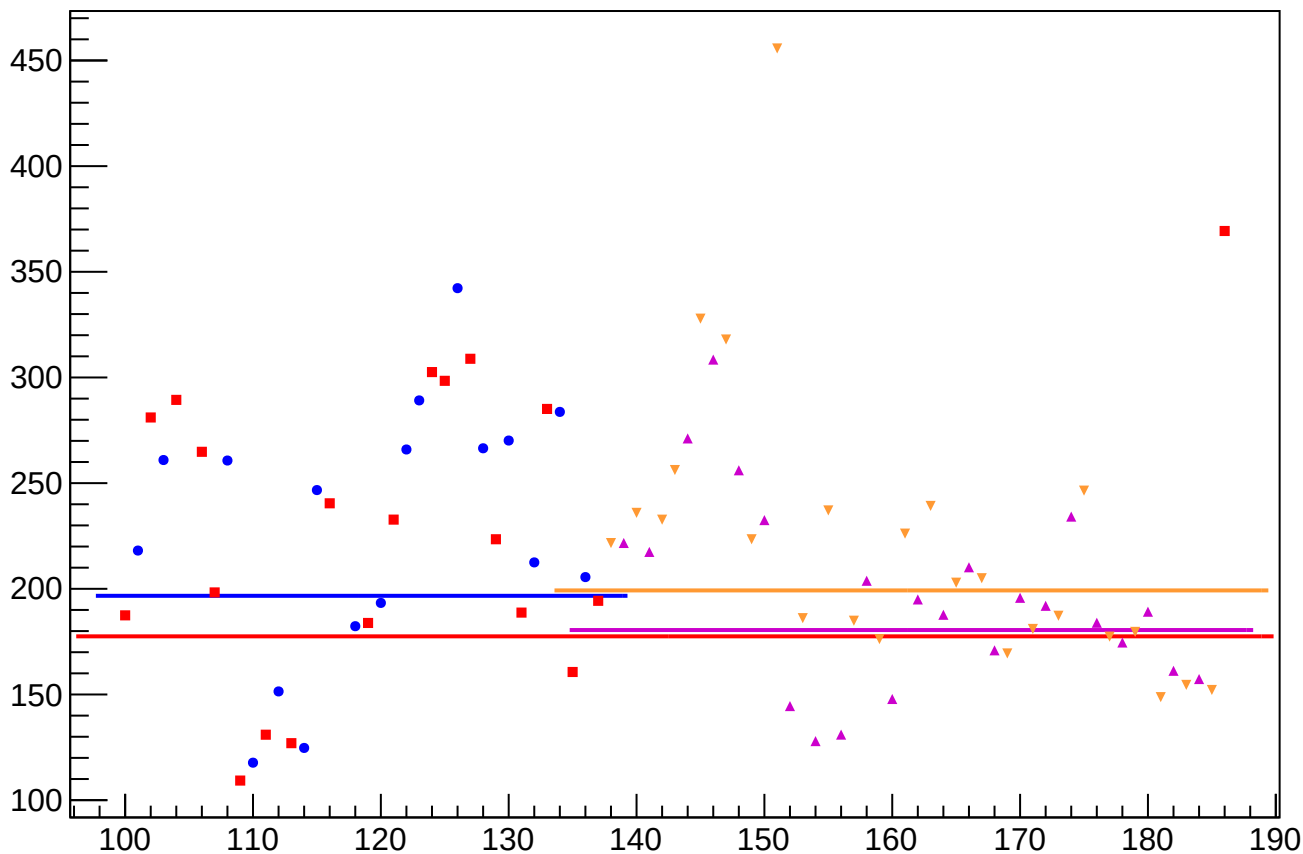
Left In: -32.159 $\pm$ 45.131 χ^2 /NDF: 6.9/22

+ sign 27.185 $\pm$ 41.320 χ^2 /NDF: 14.7/41

All: -2.728 $\pm$ 27.978 χ^2 /NDF: 29.9/84

- sign -28.054 $\pm$ 38.019 χ^2 /NDF: 14.3/42

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.690 $\pm$ 0.057 χ^2 /NDF: 966153.1/16

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 177.510 $\pm$ 0.050 χ^2 /NDF: 1713744.2/19

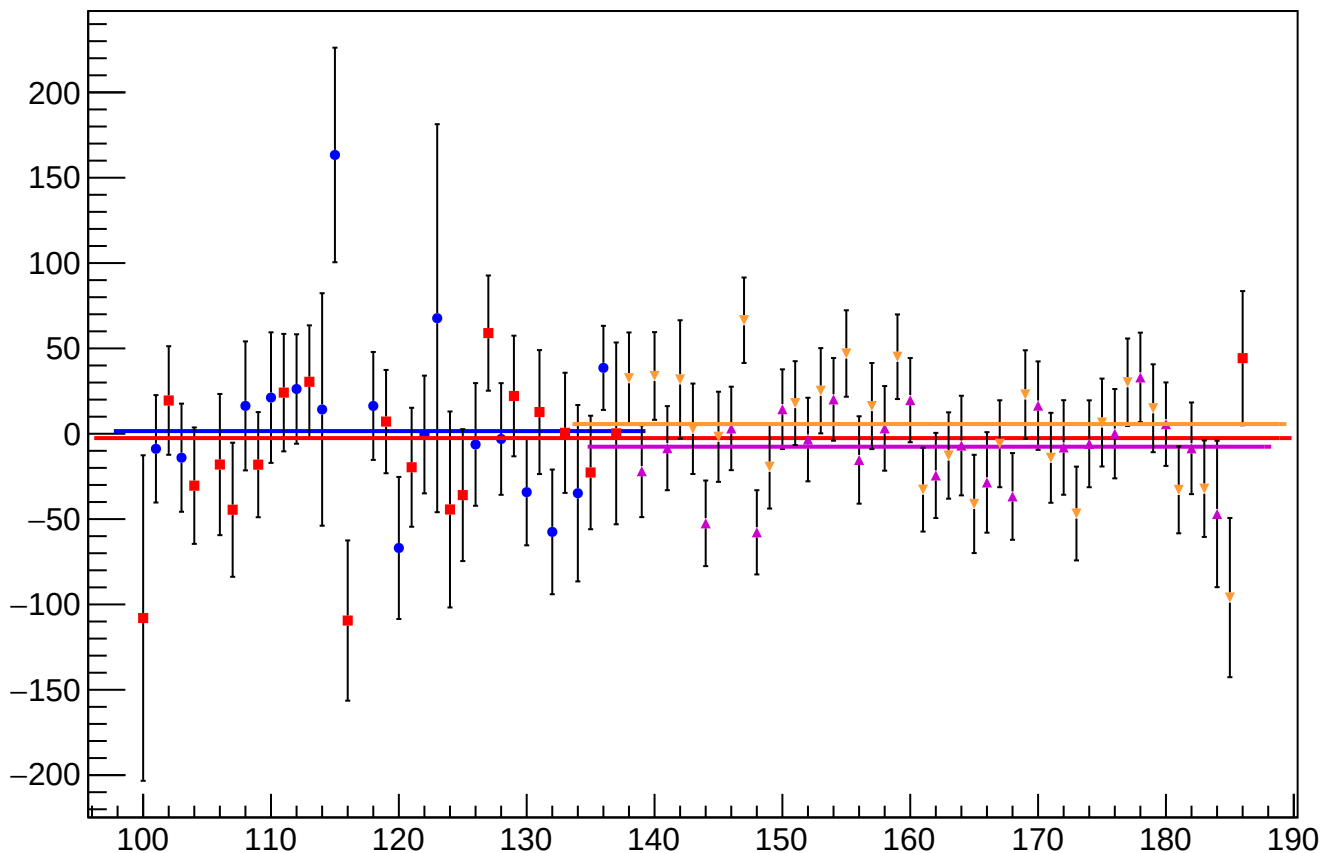
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 198.574 $\pm$ 0.029 χ^2 /NDF: 2731723.5/41

All: 188.314 $\pm$ 0.020 χ^2 /NDF: 6269503.2/84

- sign 179.627 $\pm$ 0.027 χ^2 /NDF: 3310066.6/42

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 1.556 ± 8.826 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -2.543 ± 8.306 $\chi^2/\text{NDF}: 18.1/19$

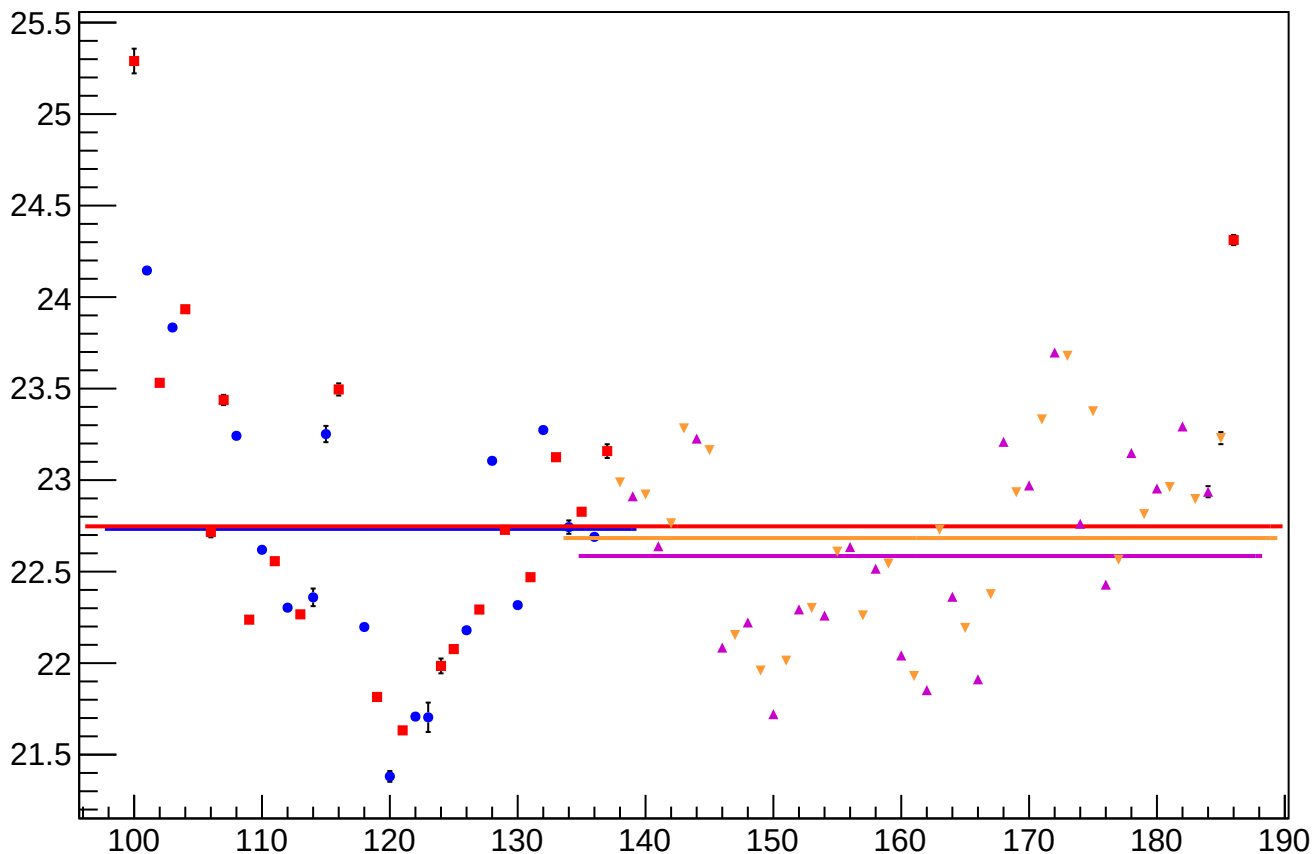
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 4.589 ± 4.530 $\chi^2/\text{NDF}: 54.6/41$

All: -0.754 ± 3.202 $\chi^2/\text{NDF}: 94.0/84$

- sign -6.092 ± 4.528 $\chi^2/\text{NDF}: 36.7/42$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.734 $\pm$ 0.006 χ^2 /NDF: 13530.3/16

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.747 $\pm$ 0.006 χ^2 /NDF: 16127.0/19

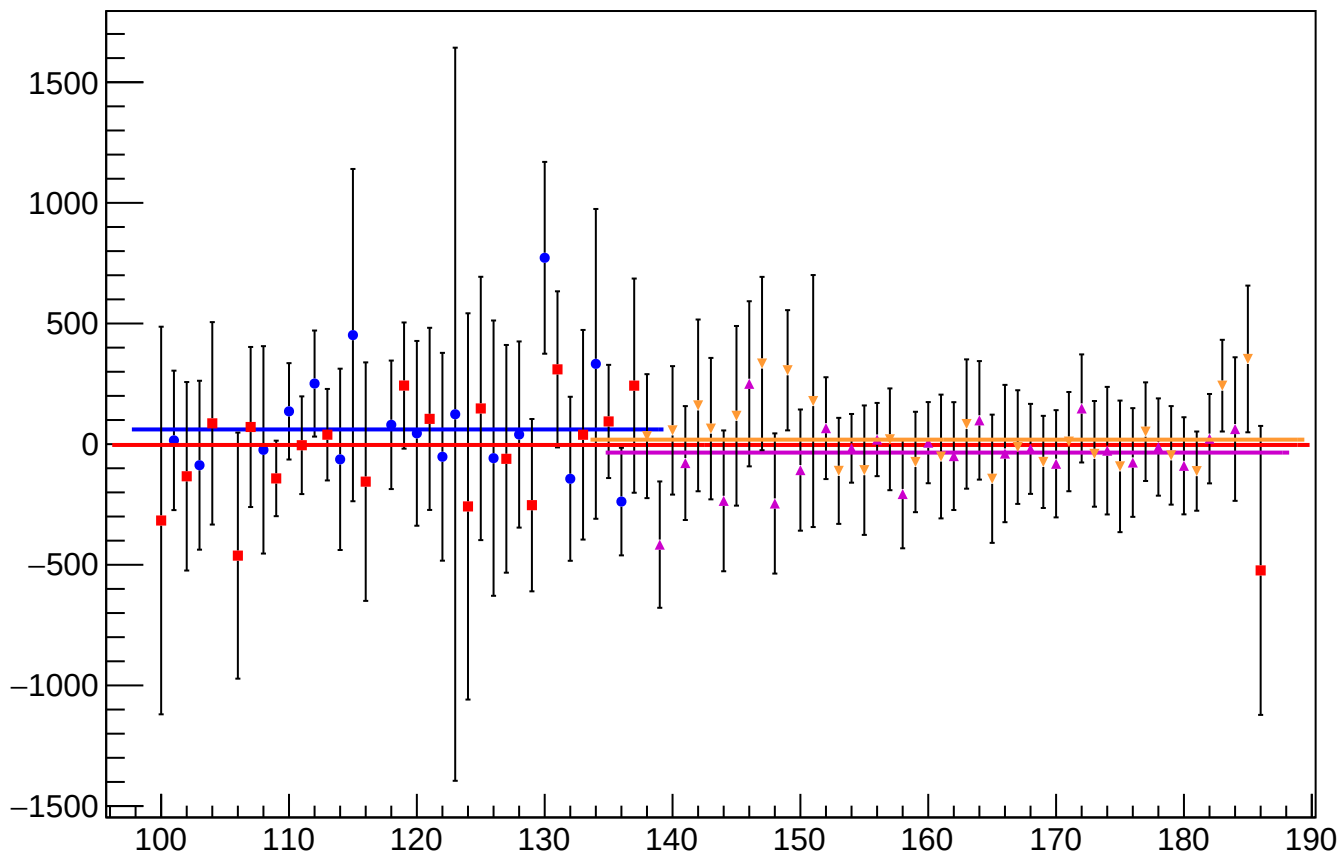
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.697 $\pm$ 0.003 χ^2 /NDF: 29895.8/41

All: 22.665 $\pm$ 0.002 χ^2 /NDF: 64840.4/84

- sign 22.633 $\pm$ 0.003 χ^2 /NDF: 34749.7/42

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.929 $\pm$ 80.431 χ^2 /NDF: 7.2/16

Left Out: 18.633 $\pm$ 48.006 χ^2 /NDF: 7.6/24

Right Out: -3.374 $\pm$ 70.076 χ^2 /NDF: 5.9/19

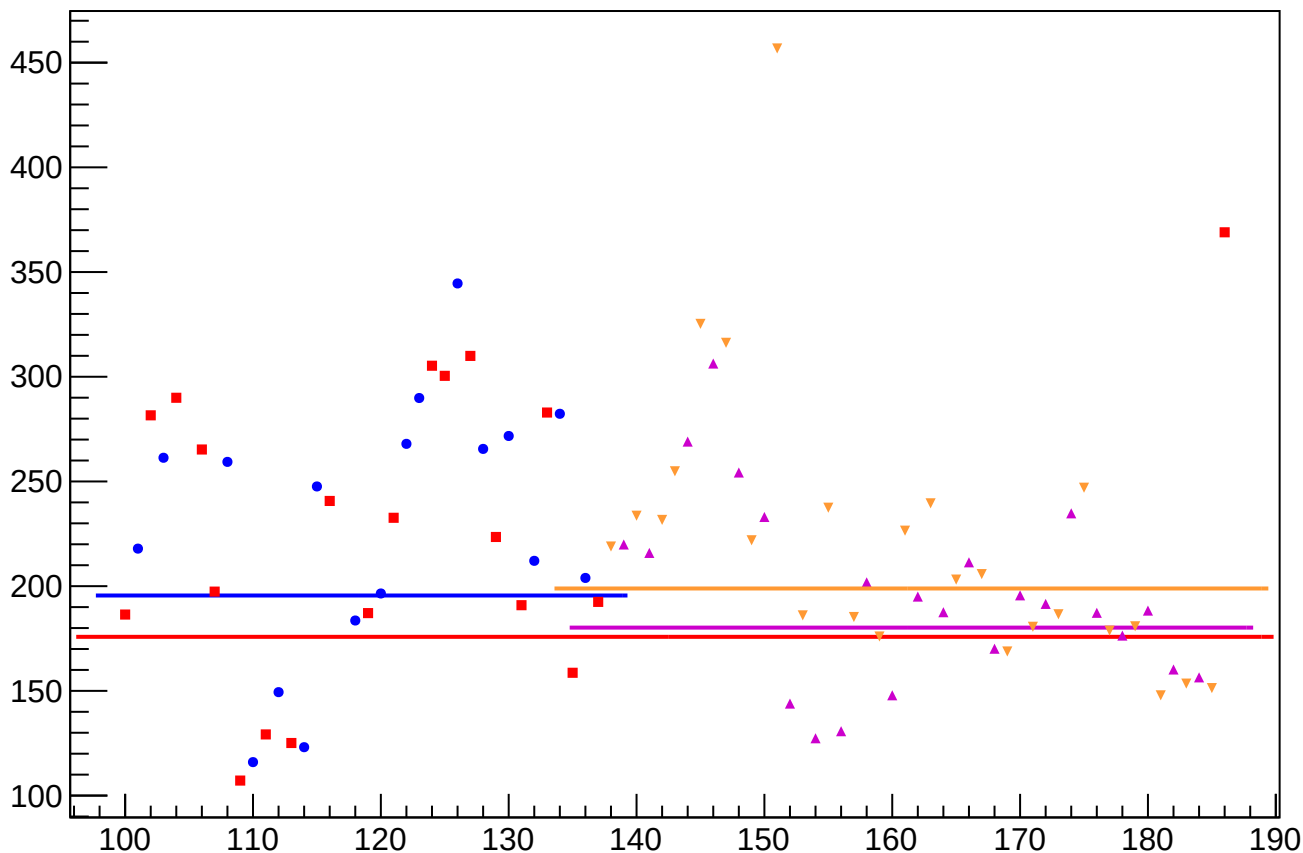
Left In: -35.046 $\pm$ 45.063 χ^2 /NDF: 6.3/22

+ sign 29.742 $\pm$ 41.222 χ^2 /NDF: 15.0/41

All: -0.344 $\pm$ 27.901 χ^2 /NDF: 28.4/84

- sign -25.781 $\pm$ 37.903 χ^2 /NDF: 12.4/42

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.543 $\pm$ 0.057 χ^2 /NDF: 1006207.5/16

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 175.806 $\pm$ 0.050 χ^2 /NDF: 1783879.2/19

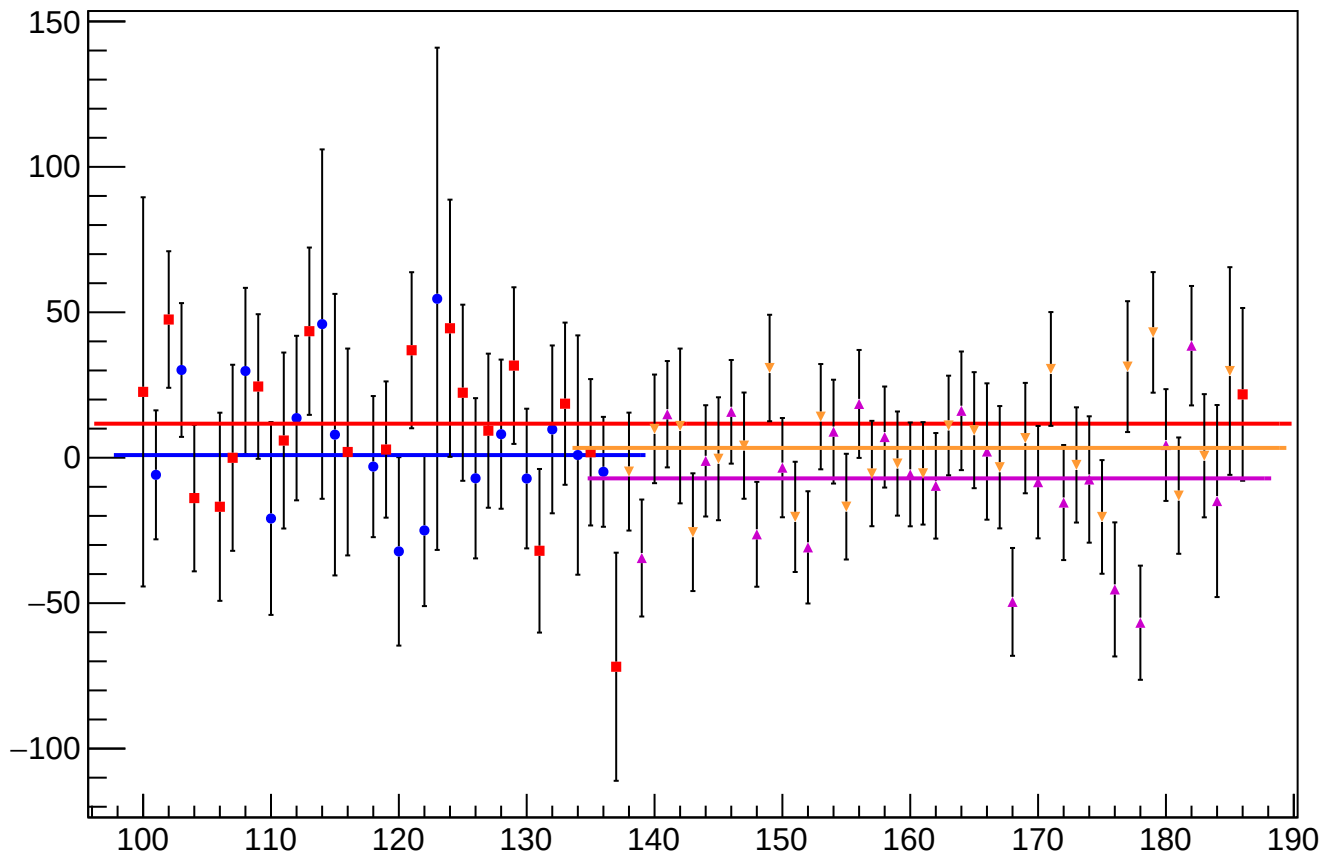
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 198.011 $\pm$ 0.029 χ^2 /NDF: 2771216.1/41

All: 187.666 $\pm$ 0.020 χ^2 /NDF: 6382150.2/84

- sign 178.920 $\pm$ 0.027 χ^2 /NDF: 3378464.8/42

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.909 ± 6.829 χ^2/NDF : 6.9/16

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: 11.705 ± 6.483 χ^2/NDF : 15.4/19

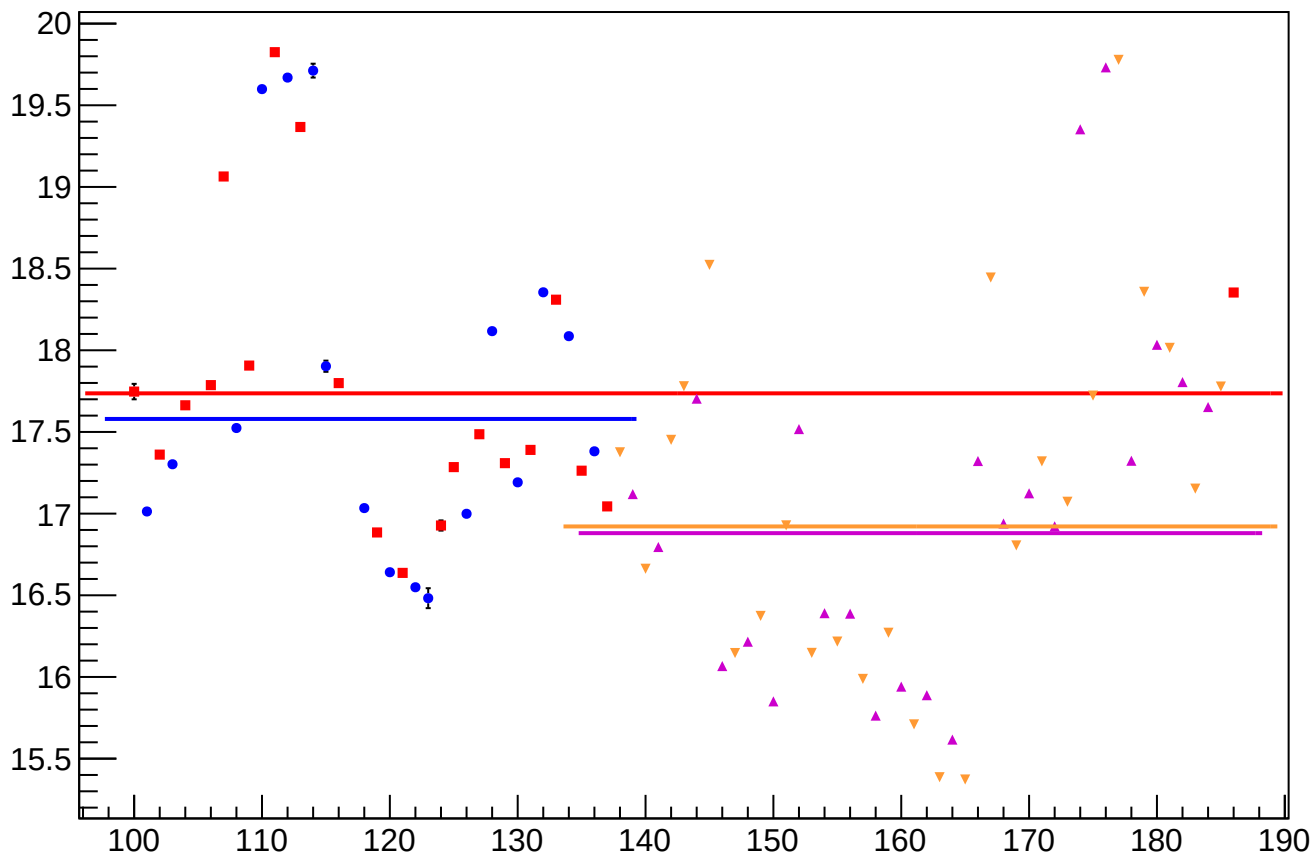
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 2.755 ± 3.417 χ^2/NDF : 25.8/41

All: 0.476 ± 2.422 χ^2/NDF : 80.7/84

- sign -1.826 ± 3.433 χ^2/NDF : 54.0/42

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.580 $\pm$ 0.005 χ^2 /NDF: 32962.1/16

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF: 138990.4/24

Right Out: 17.736 $\pm$ 0.005 χ^2 /NDF: 31184.1/19

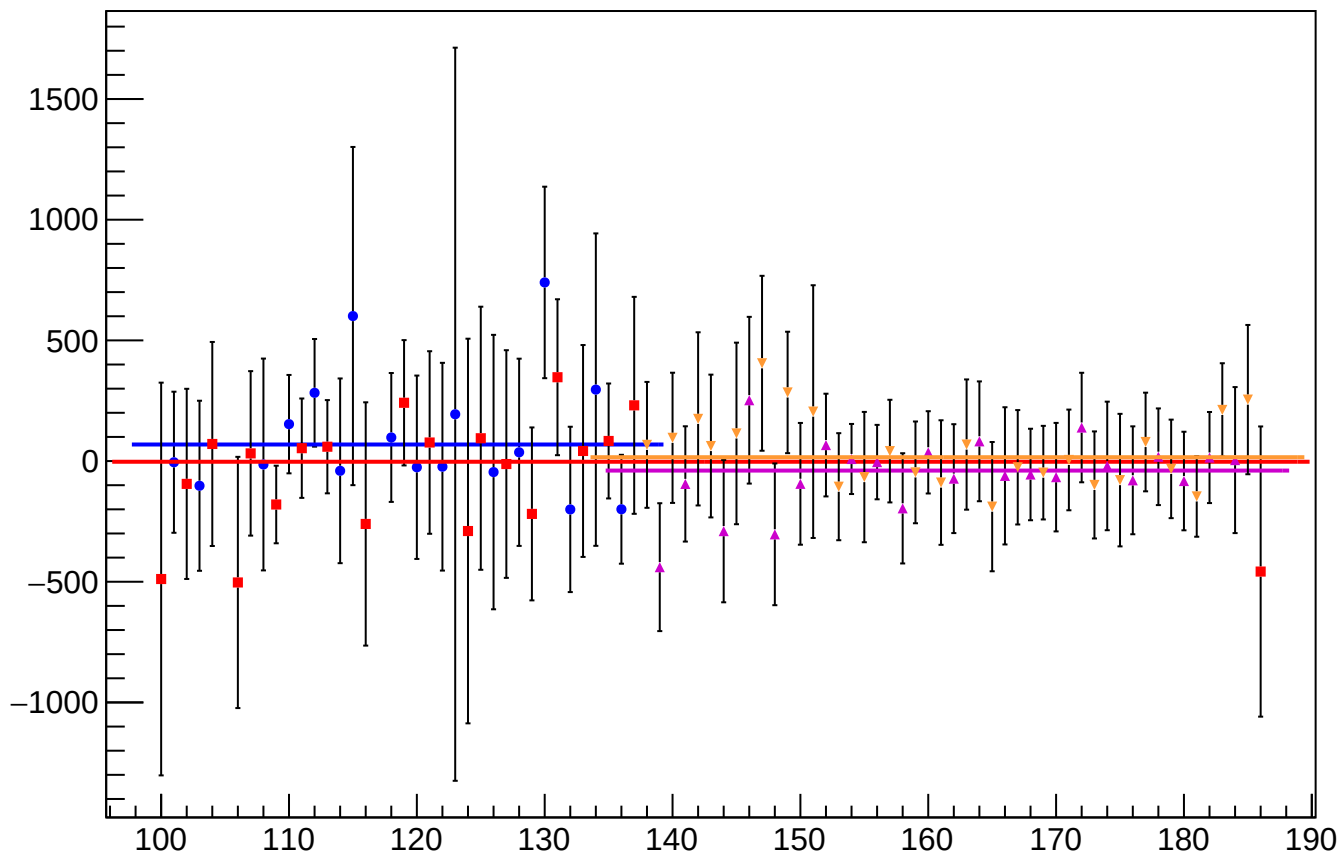
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF: 121736.1/22

+ sign 17.086 $\pm$ 0.002 χ^2 /NDF: 185875.7/41

All: 17.103 $\pm$ 0.002 χ^2 /NDF: 363977.3/84

- sign 17.120 $\pm$ 0.002 χ^2 /NDF: 178001.8/42

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.625 $\pm$ 81.256 χ^2 /NDF: 7.3/16

Left Out: 15.970 $\pm$ 48.503 χ^2 /NDF: 7.4/24

Right Out: -2.828 $\pm$ 71.050 χ^2 /NDF: 6.6/19

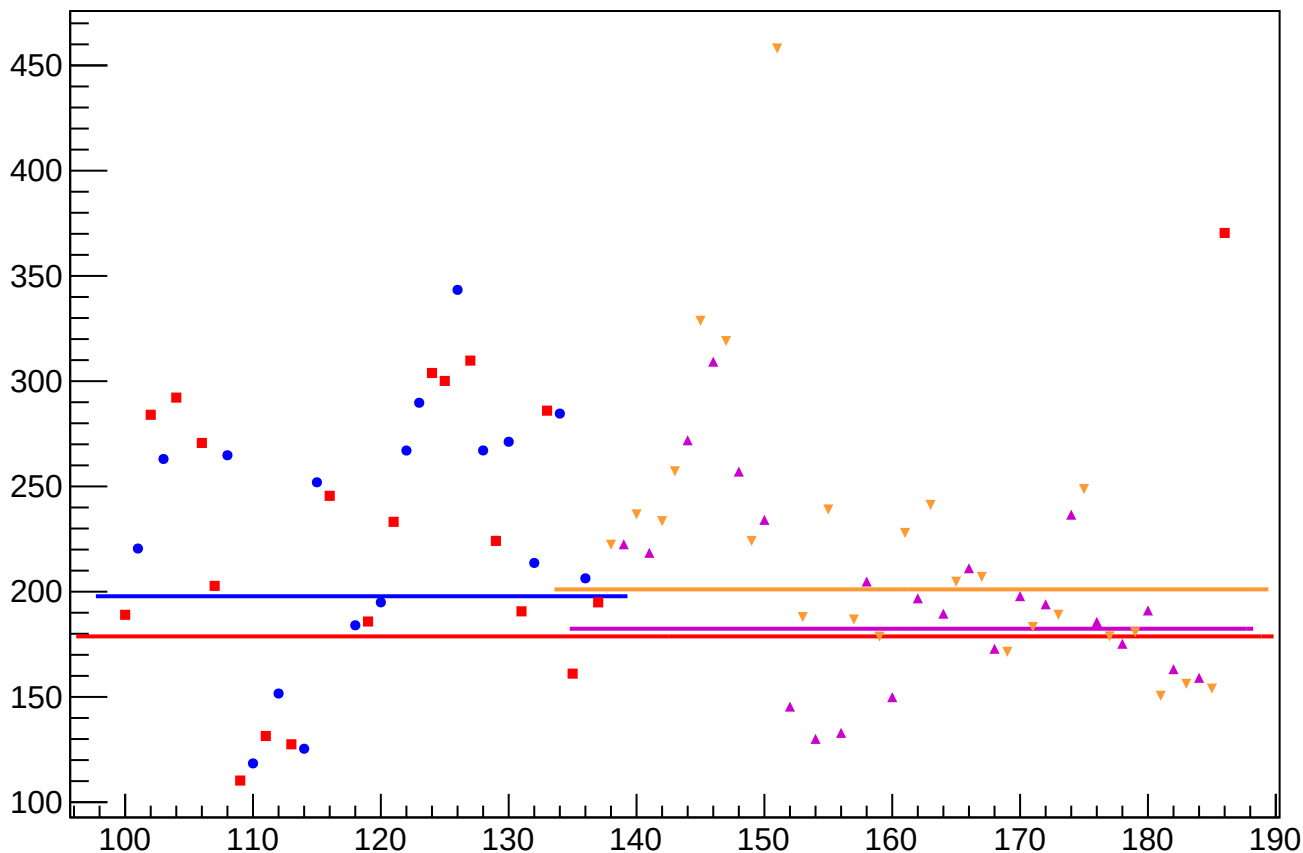
Left In: -39.377 $\pm$ 45.571 χ^2 /NDF: 6.9/22

+ sign 29.803 $\pm$ 41.648 χ^2 /NDF: 15.0/41

All: -1.862 $\pm$ 28.215 χ^2 /NDF: 29.7/84

- sign -28.724 $\pm$ 38.359 χ^2 /NDF: 13.7/42

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.832 $\pm$ 0.057 χ^2 /NDF: 971081.8/16

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 178.752 $\pm$ 0.050 χ^2 /NDF: 1721078.5/19

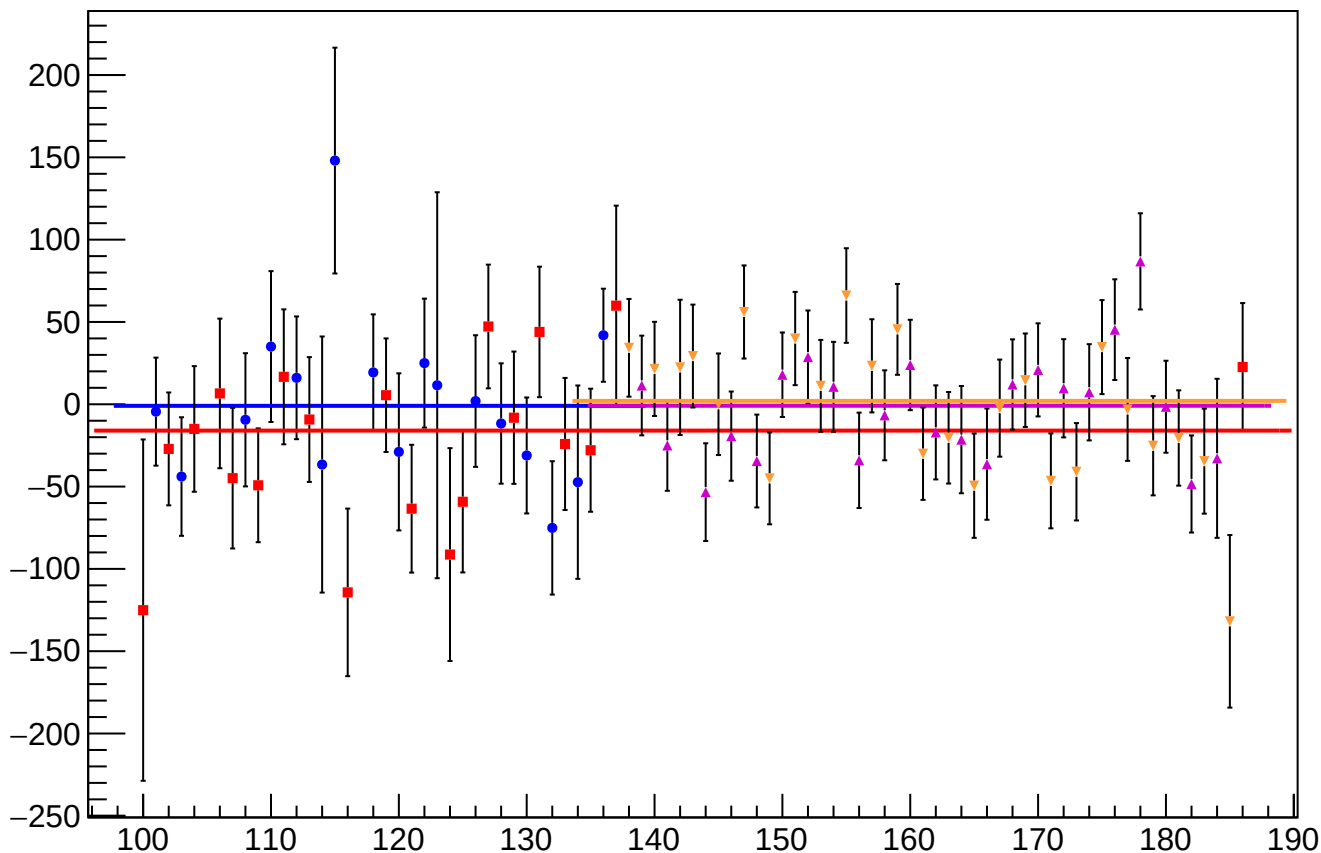
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 200.235 $\pm$ 0.029 χ^2 /NDF: 2704523.3/41

All: 190.009 $\pm$ 0.020 χ^2 /NDF: 6201108.2/84

- sign 181.334 $\pm$ 0.027 χ^2 /NDF: 3273714.7/42

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.953 ± 9.909 χ^2/NDF : 15.5/16

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -15.989 ± 9.246 χ^2/NDF : 19.3/19

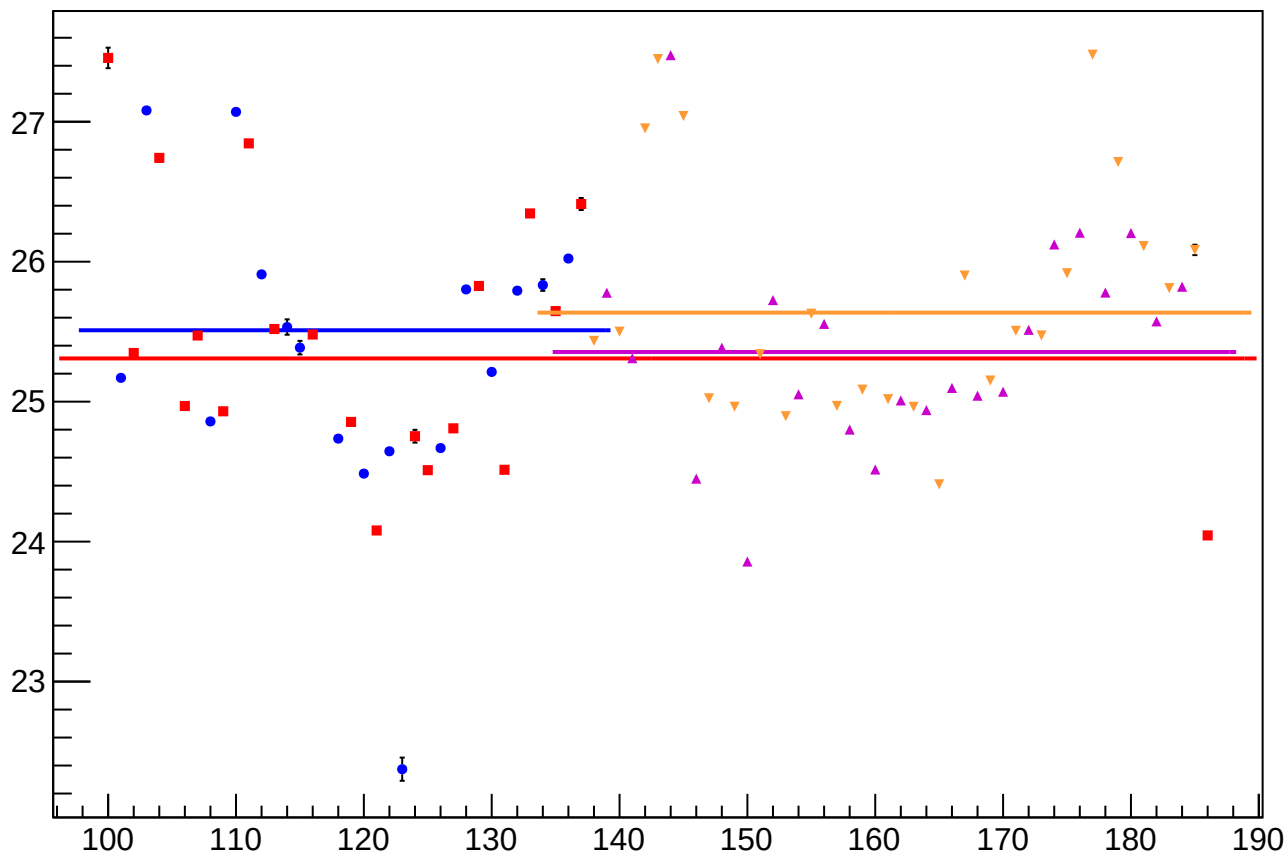
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 1.253 ± 5.114 χ^2/NDF : 55.0/41

All: -2.122 ± 3.602 χ^2/NDF : 104.1/84

- sign -5.444 ± 5.074 χ^2/NDF : 48.3/42

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.510+/-0.007 χ^2/NDF : 13357.4/16

Left Out: 25.636+/-0.004 χ^2/NDF : 35130.7/24

Right Out: 25.309+/-0.007 χ^2/NDF : 15913.3/19

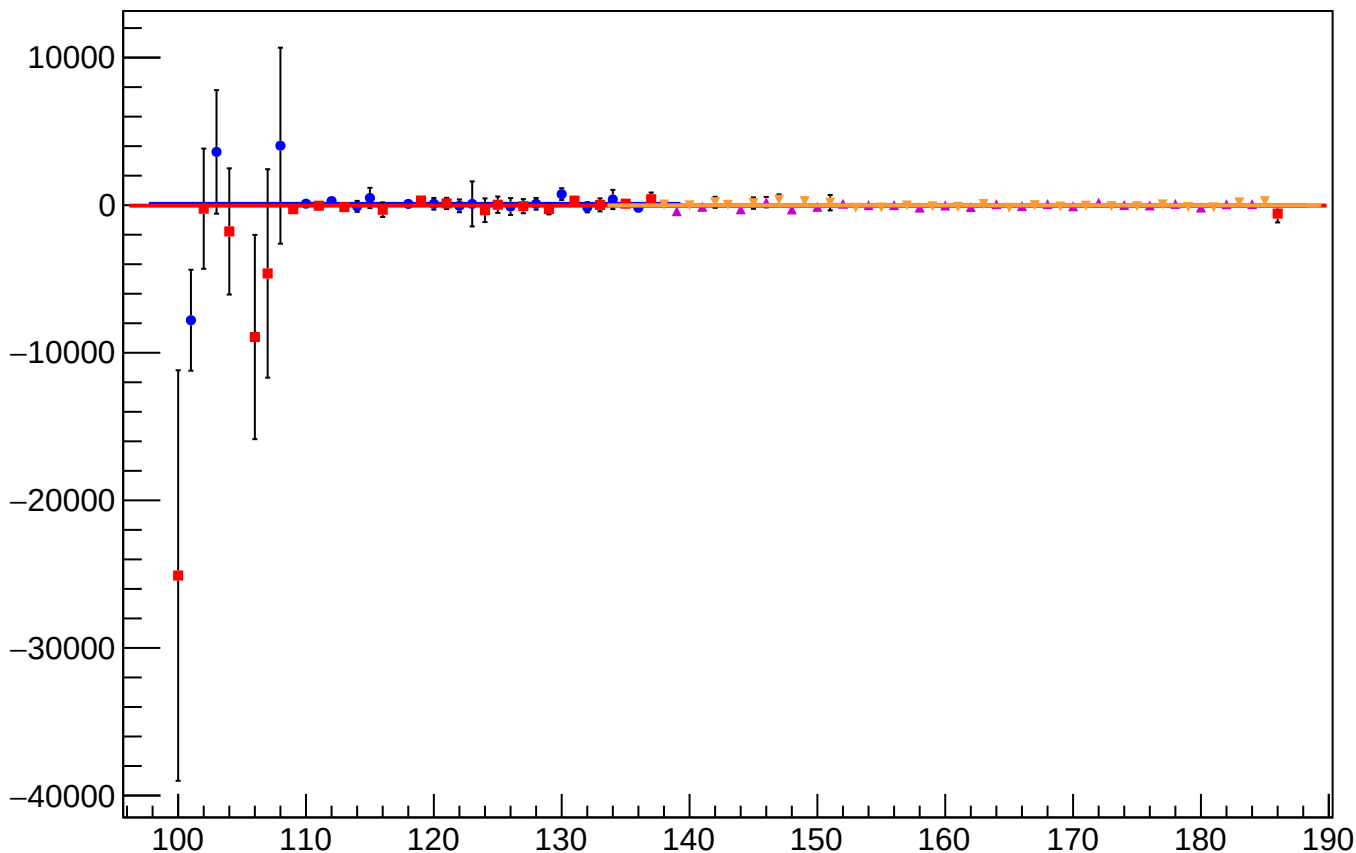
Left In: 25.355+/-0.004 χ^2/NDF : 29766.2/22

+ sign 25.603+/-0.004 χ^2/NDF : 48725.6/41

All: 25.471+/-0.003 χ^2/NDF : 97078.5/84

- sign 25.341+/-0.004 χ^2/NDF : 45714.2/42

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 88.017 $\pm$ 88.732 χ^2 /NDF: 12.6/16

Left Out: -12.820 $\pm$ 48.216 χ^2 /NDF: 7.9/24

Right Out: -29.470 $\pm$ 80.239 χ^2 /NDF: 12.8/19

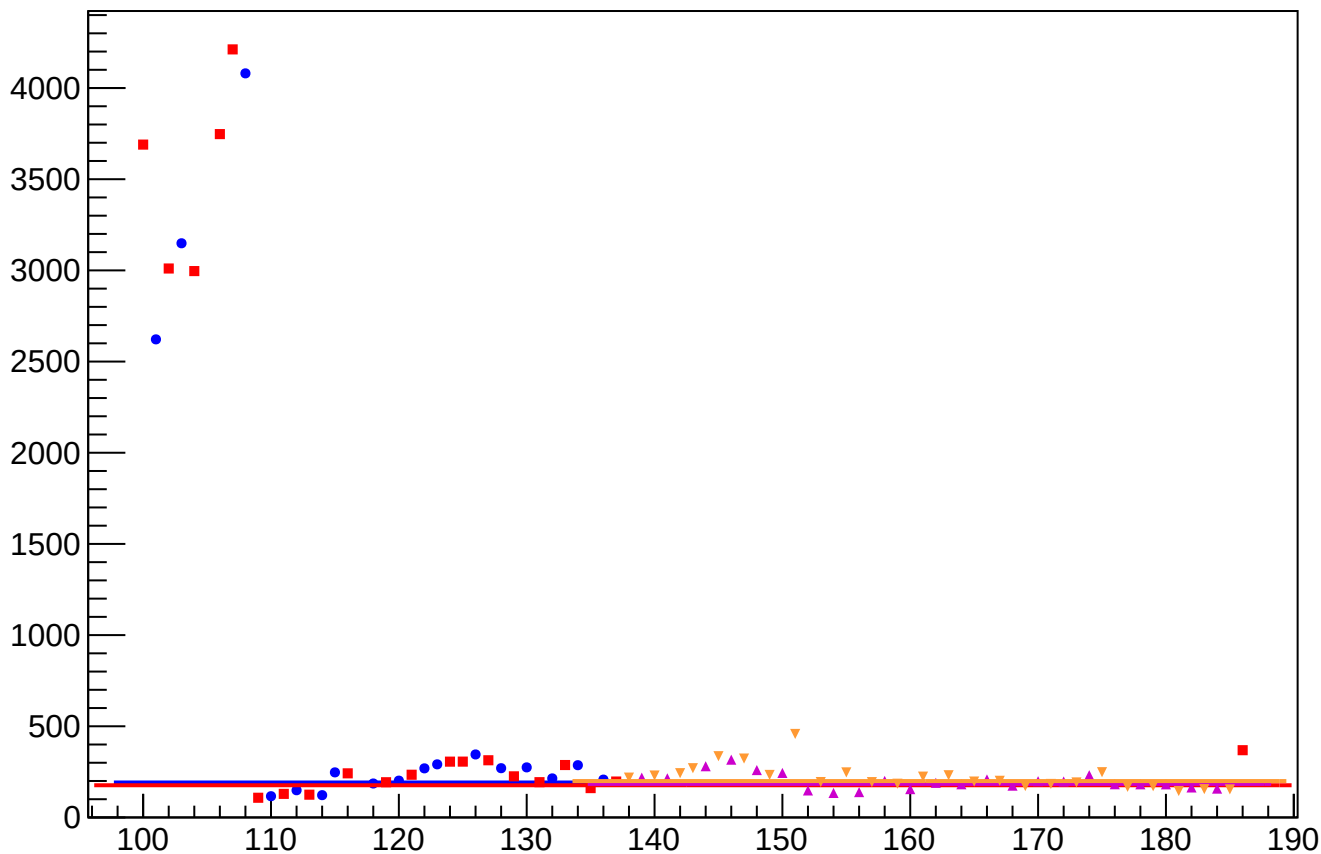
Left In: -26.836 $\pm$ 45.876 χ^2 /NDF: 7.5/22

+ sign 10.167 $\pm$ 42.365 χ^2 /NDF: 21.4/41

All: -9.821 $\pm$ 29.018 χ^2 /NDF: 42.2/84

- sign -27.485 $\pm$ 39.826 χ^2 /NDF: 20.3/42

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.711 $\pm$ 0.063 χ^2 /NDF: 3575897.6/16

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF: 1880548.8/24

Right Out: 176.612 $\pm$ 0.057 χ^2 /NDF: 4411616.6/19

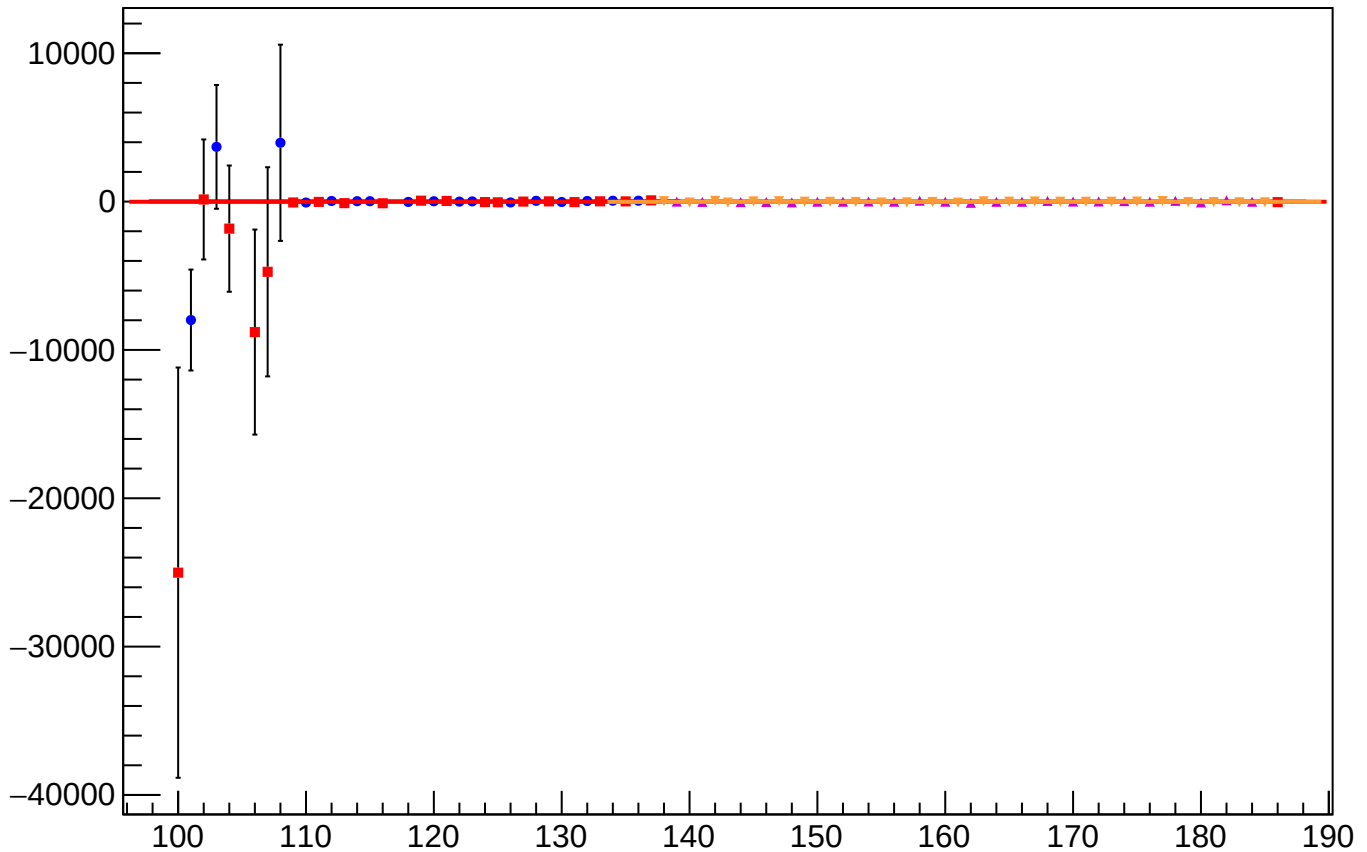
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF: 1423454.3/22

+ sign 197.752 $\pm$ 0.030 χ^2 /NDF: 5468451.9/41

All: 189.498 $\pm$ 0.021 χ^2 /NDF: 11459418.4/84

- sign 182.204 $\pm$ 0.028 χ^2 /NDF: 5847959.4/42

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.697+/-12.319 χ^2/NDF : 19.0/16

Left Out: -17.580+/-6.694 χ^2/NDF : 22.3/24

Right Out: -13.005+/-11.943 χ^2/NDF : 24.5/19

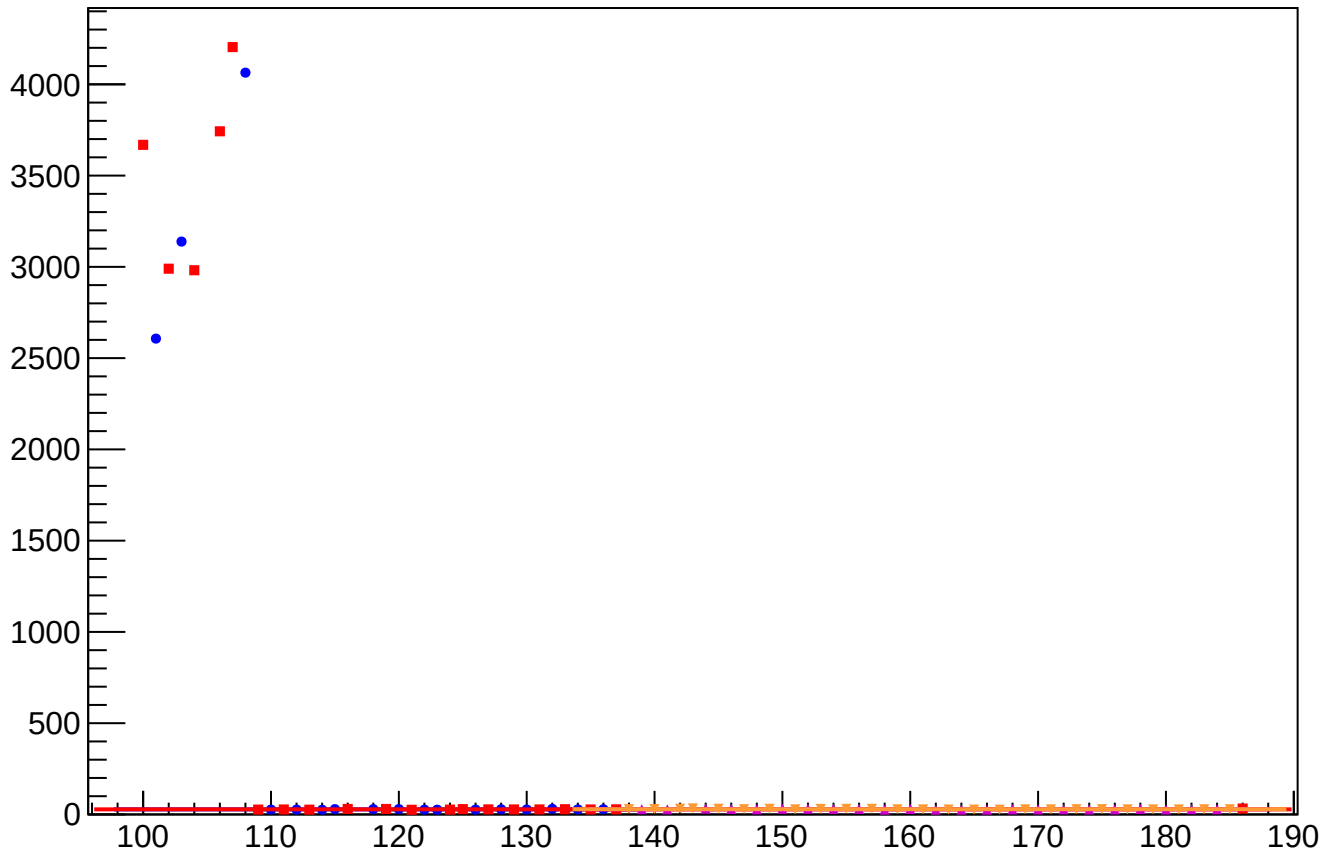
Left In: -1.038+/-6.880 χ^2/NDF : 32.4/22

+ sign -11.135+/-5.881 χ^2/NDF : 45.3/41

All: -7.625+/-4.187 χ^2/NDF : 103.8/84

- sign -4.020+/-5.962 χ^2/NDF : 57.7/42

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.874 $\pm$ 0.009 χ^2 /NDF: 3027804.9/16

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.951 $\pm$ 0.008 χ^2 /NDF: 3491056.4/19

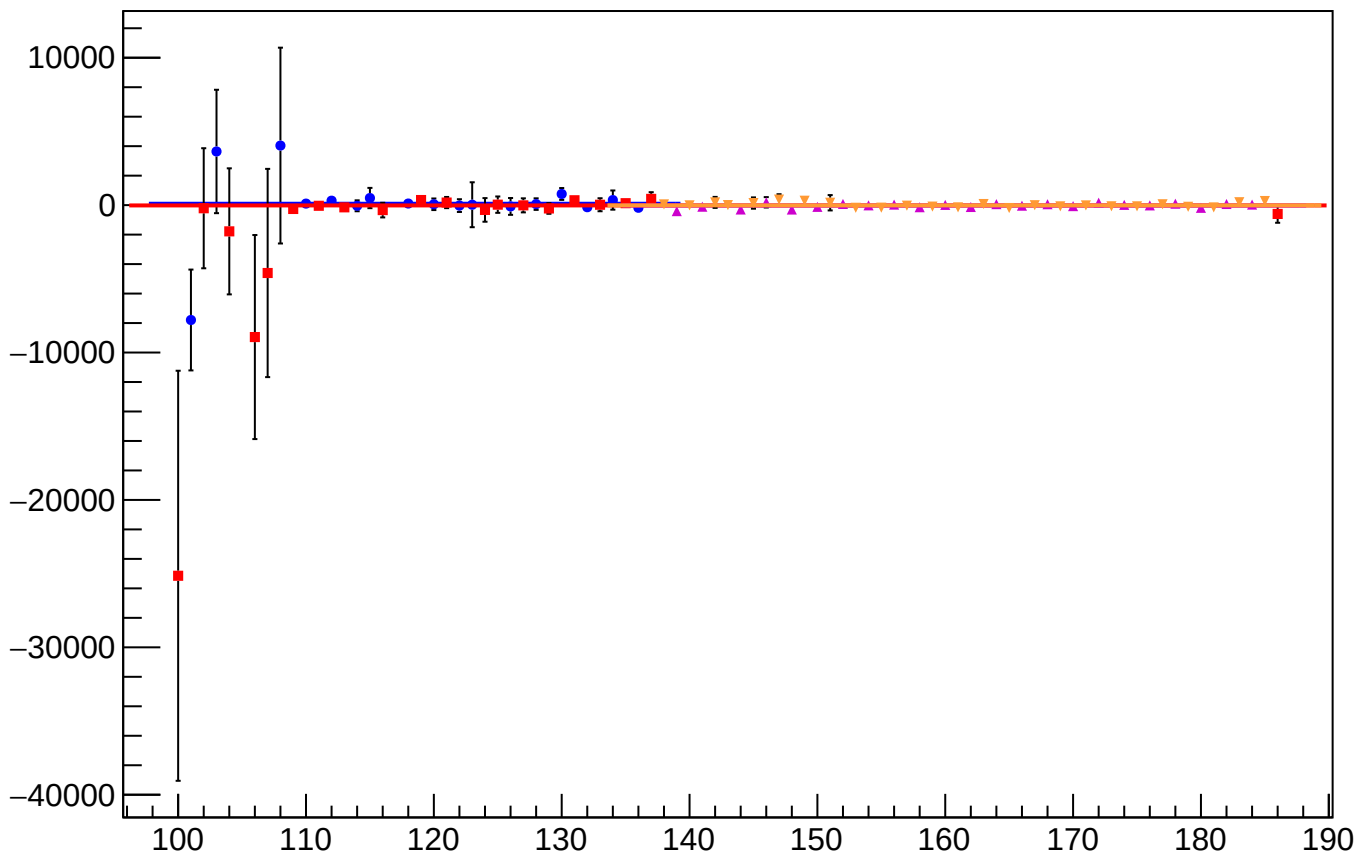
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.505 $\pm$ 0.004 χ^2 /NDF: 3145079.0/41

All: 28.499 $\pm$ 0.003 χ^2 /NDF: 6766379.2/84

- sign 28.493 $\pm$ 0.004 χ^2 /NDF: 3621296.2/42

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 93.587 $\pm$ 88.455 χ^2 /NDF: 12.8/16

Left Out: -15.483 $\pm$ 48.109 χ^2 /NDF: 8.7/24

Right Out: -20.154 $\pm$ 79.986 χ^2 /NDF: 13.7/19

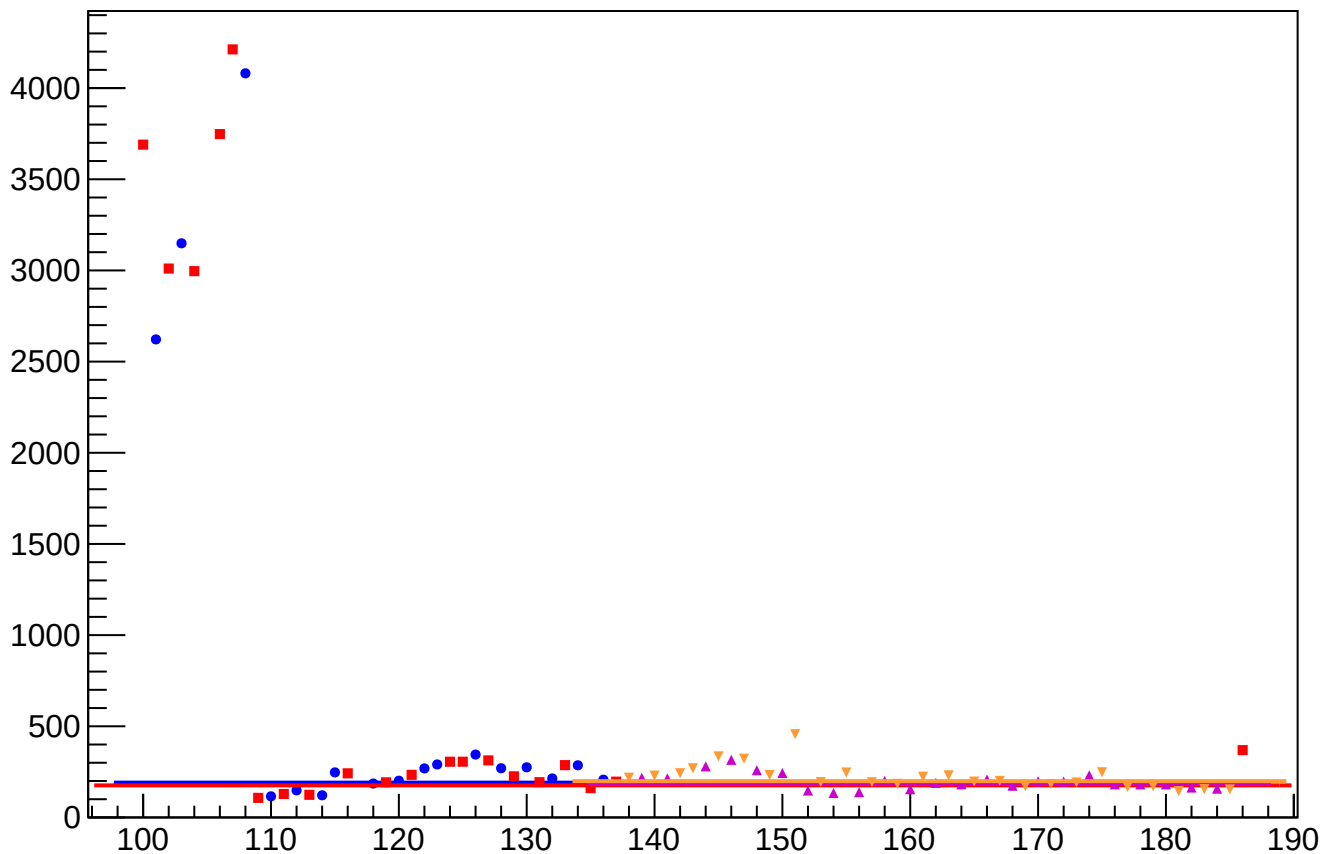
Left In: -27.009 $\pm$ 45.785 χ^2 /NDF: 7.8/22

+ sign 9.416 $\pm$ 42.263 χ^2 /NDF: 22.6/41

All: -9.020 $\pm$ 28.949 χ^2 /NDF: 44.5/84

- sign -25.318 $\pm$ 39.735 χ^2 /NDF: 21.6/42

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.997 $\pm$ 0.063 χ^2 /NDF: 3587805.7/16

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF:1880343.4/24

Right Out: 175.934 $\pm$ 0.057 χ^2 /NDF: 4424659.7/19

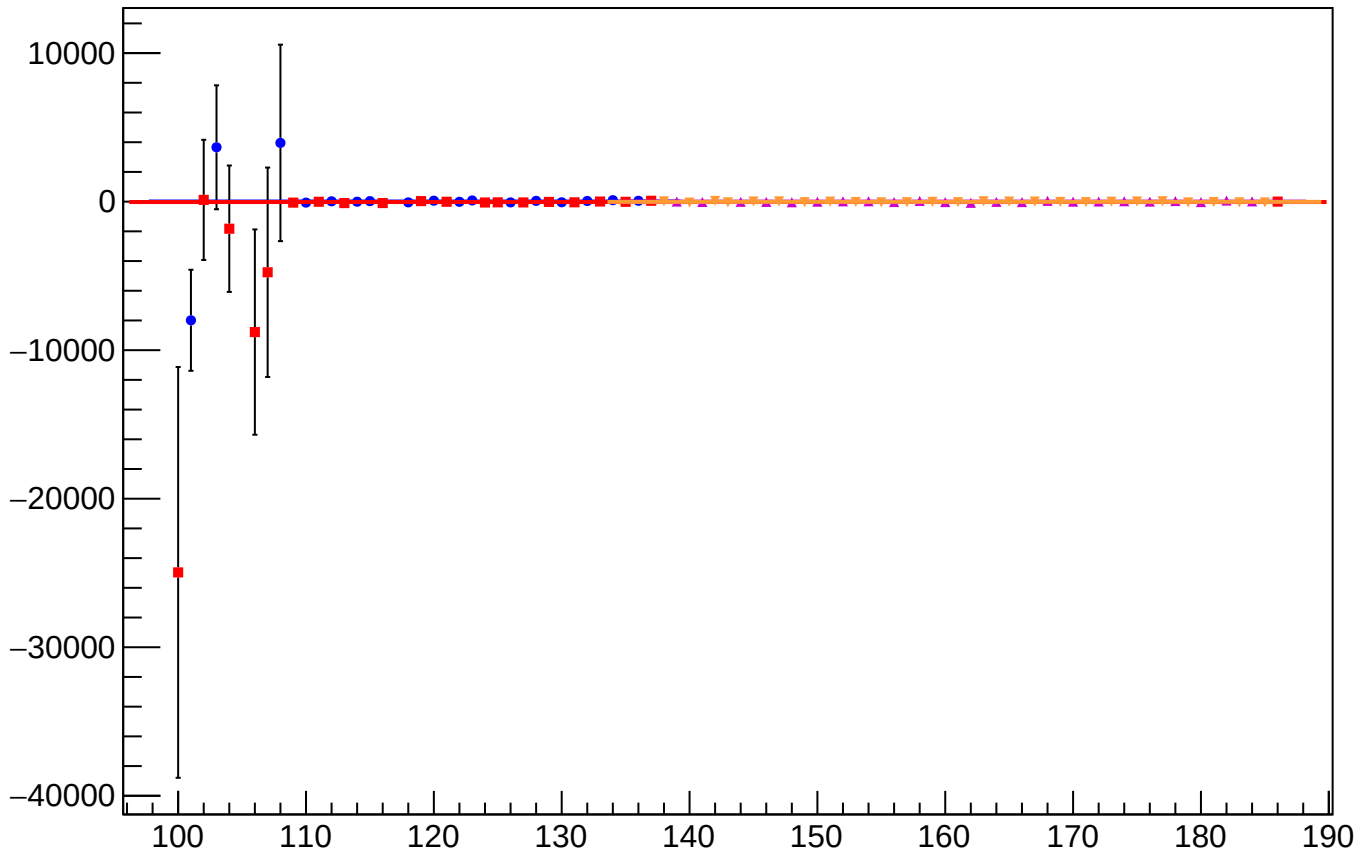
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 197.246 $\pm$ 0.030 χ^2 /NDF: 5481080.6/41

All: 189.025 $\pm$ 0.020 χ^2 /NDF: 11485263.1/84

- sign 181.759 $\pm$ 0.028 χ^2 /NDF: 5861634.9/42

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 7.963 $\pm$ 12.403 χ^2 /NDF: 22.9/16

Left Out: -15.006 $\pm$ 6.723 χ^2 /NDF:17.5/24

Right Out: -26.520 $\pm$ 12.016 χ^2 /NDF: 16.8/19

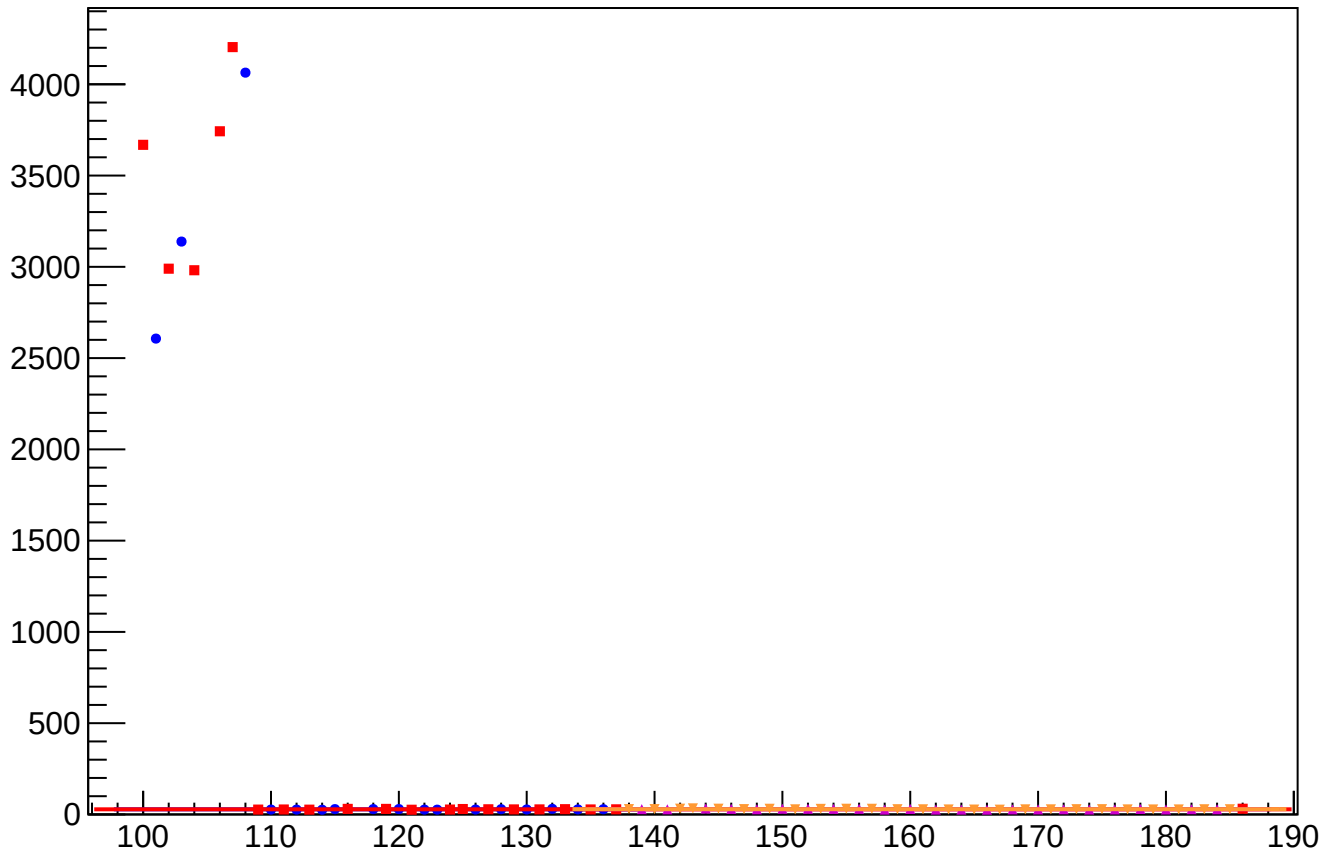
Left In: 0.702 $\pm$ 6.909 χ^2 /NDF:26.4/22

+ sign -9.790 $\pm$ 5.911 χ^2 /NDF: 43.0/41

All: -7.950 $\pm$ 4.207 χ^2 /NDF: 90.2/84

- sign -6.061 $\pm$ 5.990 χ^2 /NDF: 47.0/42

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.059 $\pm$ 0.009 χ^2 /NDF: 3028297.0/16

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 28.126 $\pm$ 0.008 χ^2 /NDF: 3488271.9/19

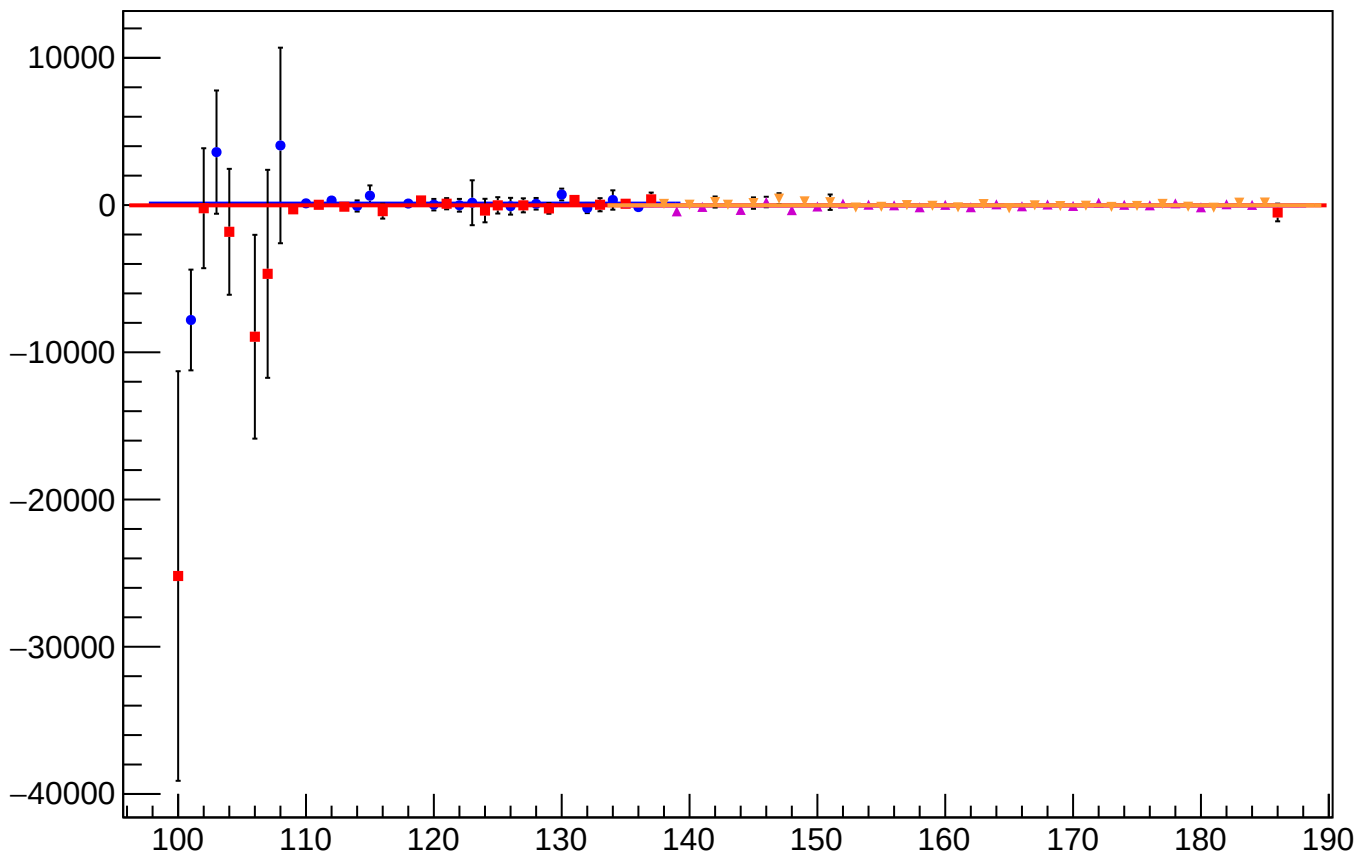
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.642 $\pm$ 0.004 χ^2 /NDF: 3155979.9/41

All: 28.634 $\pm$ 0.003 χ^2 /NDF: 6778279.0/84

- sign 28.627 $\pm$ 0.004 χ^2 /NDF: 3622293.0/42

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 99.706 $\pm$ 89.513 χ^2 /NDF: 12.6/16

Left Out: -15.548 $\pm$ 48.688 χ^2 /NDF: 8.0/24

Right Out: -17.448 $\pm$ 81.048 χ^2 /NDF: 13.0/19

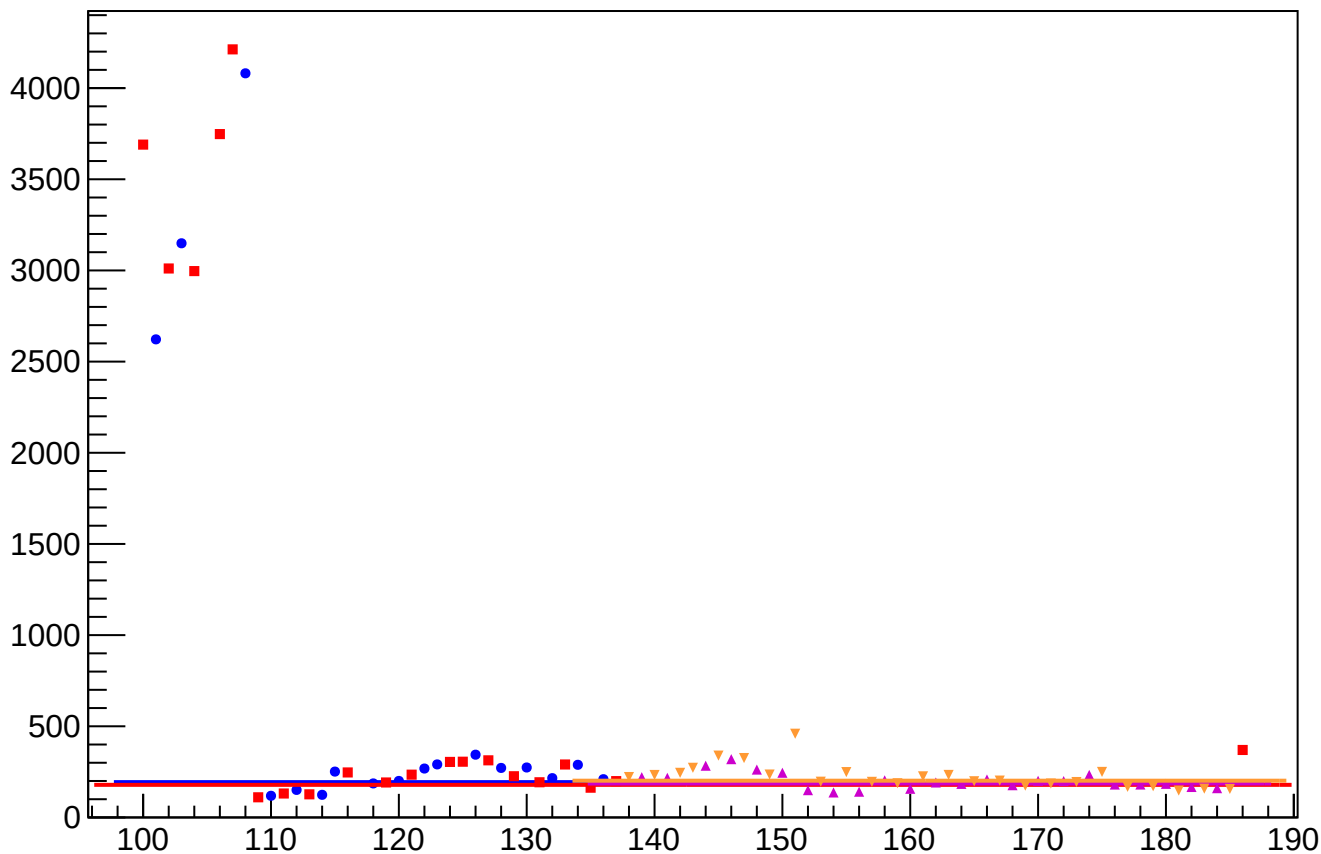
Left In: -31.170 $\pm$ 46.359 χ^2 /NDF: 8.2/22

+ sign 10.765 $\pm$ 42.771 χ^2 /NDF: 21.9/41

All: -9.685 $\pm$ 29.308 χ^2 /NDF: 43.4/84

- sign -27.787 $\pm$ 40.241 χ^2 /NDF: 21.2/42

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.748+/-0.063 χ^2/NDF : 3539977.5/16

Left Out: 201.600+/-0.034 χ^2/NDF : 1857453.2/24

Right Out: 178.850+/-0.057 χ^2/NDF : 4366792.7/19

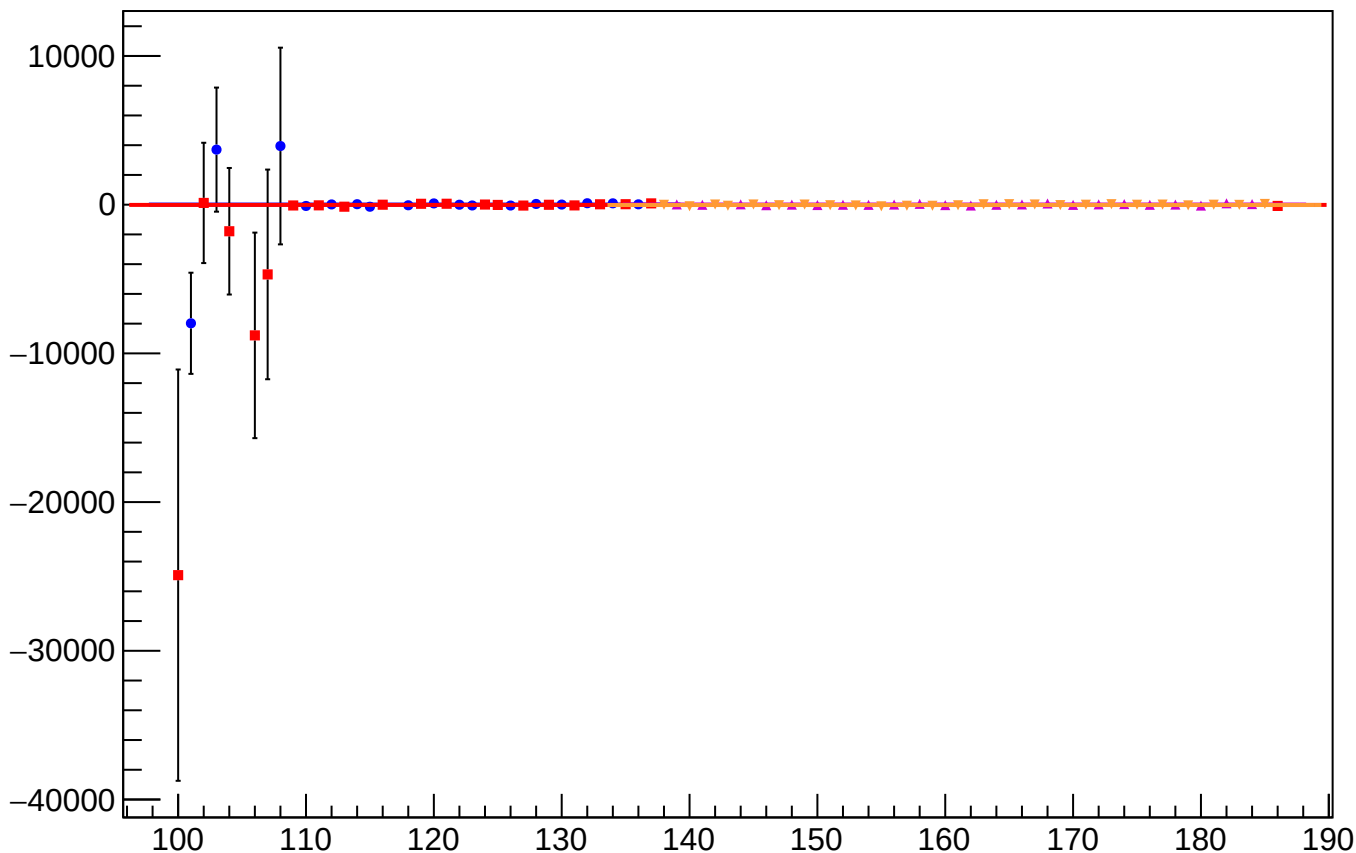
Left In: 186.107+/-0.033 χ^2/NDF : 1391327.2/22

+ sign 199.807+/-0.030 χ^2/NDF : 5409307.6/41

All: 191.591+/-0.021 χ^2/NDF : 11318648.9/84

- sign 184.318+/-0.028 χ^2/NDF : 5770202.2/42

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.968 $\pm$ 15.099 χ^2 /NDF: 20.2/16

Left Out: -23.360 $\pm$ 8.064 χ^2 /NDF:25.8/24

Right Out: -15.565 $\pm$ 14.553 χ^2 /NDF: 22.9/19

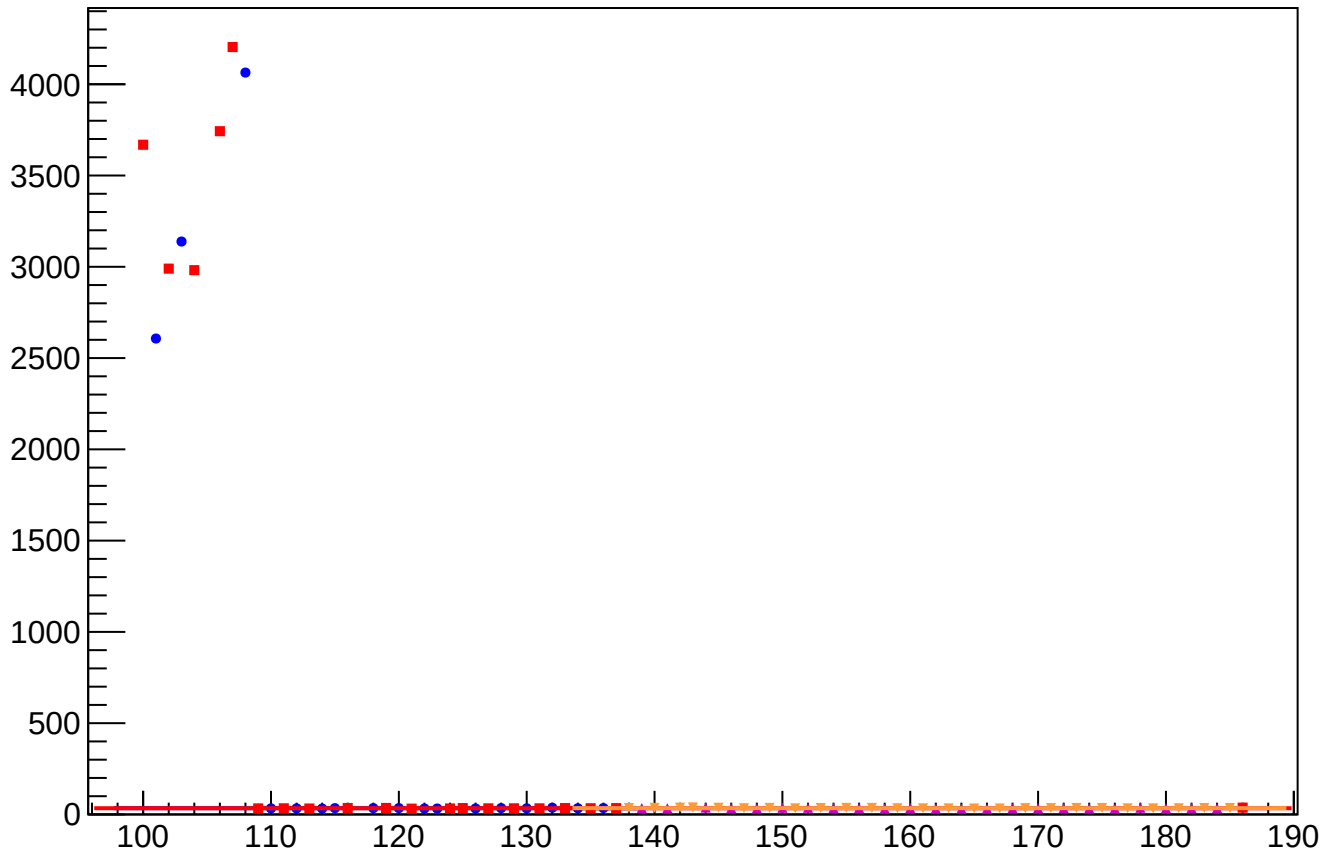
Left In: 6.001 $\pm$ 8.309 χ^2 /NDF:21.1/22

+ sign -16.629 $\pm$ 7.113 χ^2 /NDF: 49.2/41

All: -8.088 $\pm$ 5.066 χ^2 /NDF: 97.7/84

- sign 0.699 $\pm$ 7.215 χ^2 /NDF: 45.6/42

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.196 $\pm$ 0.011 χ^2 /NDF: 3006449.1/16

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 34.131 $\pm$ 0.010 χ^2 /NDF: 3458014.1/19

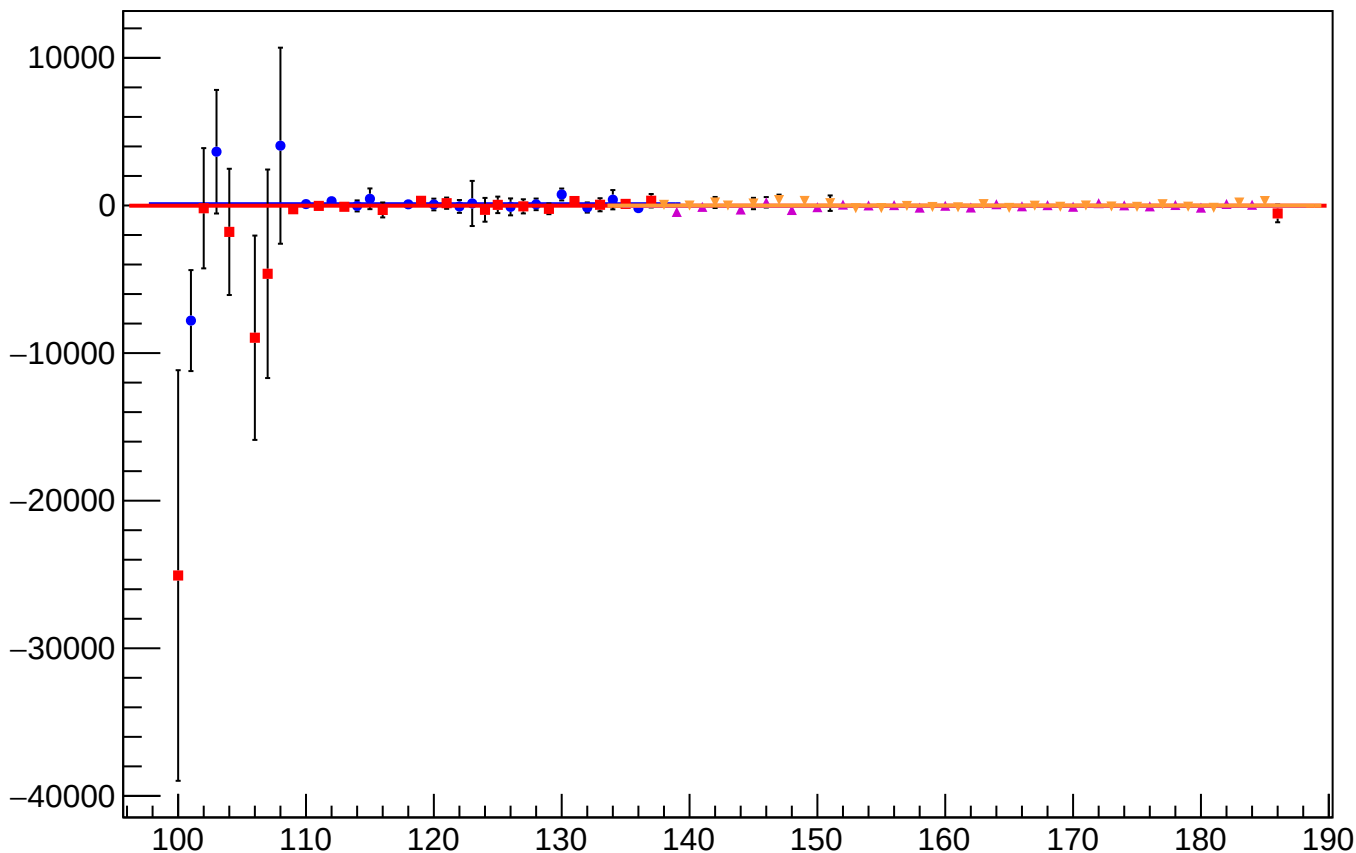
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.522 $\pm$ 0.005 χ^2 /NDF: 3065587.3/41

All: 34.535 $\pm$ 0.004 χ^2 /NDF: 6586118.1/84

- sign 34.549 $\pm$ 0.005 χ^2 /NDF: 3520516.4/42

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 87.034+/-89.059 χ^2/NDF : 12.5/16

Left Out: -8.916+/-48.615 χ^2/NDF : 8.6/24

Right Out: -14.697+/-80.544 χ^2/NDF : 11.9/19

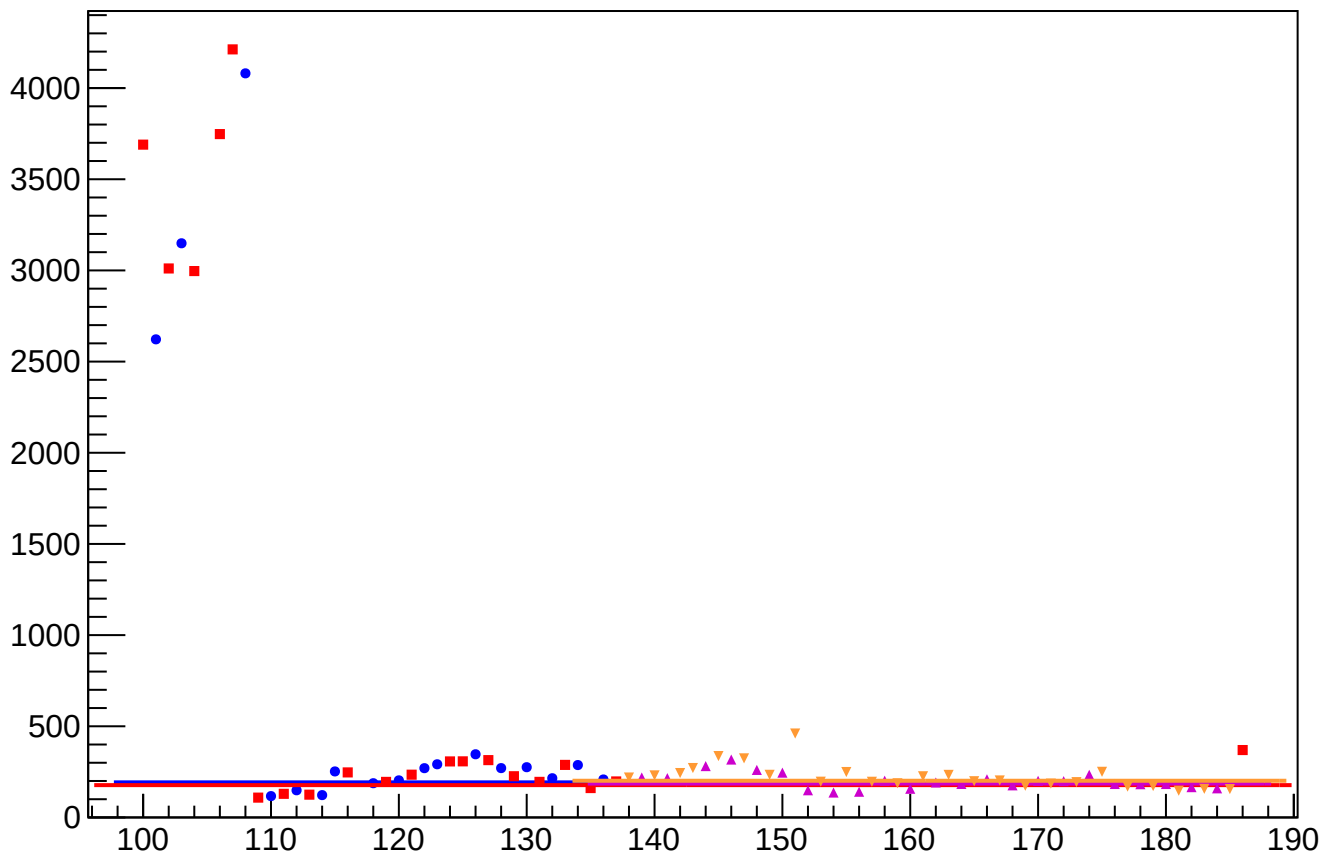
Left In: -34.127+/-46.296 χ^2/NDF : 7.4/22

+ sign 13.111+/-42.671 χ^2/NDF : 22.0/41

All: -9.392+/-29.236 χ^2/NDF : 41.9/84

- sign -29.302+/-40.138 χ^2/NDF : 19.4/42

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.416 $\pm$ 0.063 χ^2 /NDF: 3577822.3/16

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF: 1851134.1/24

Right Out: 177.292 $\pm$ 0.057 χ^2 /NDF: 4415318.7/19

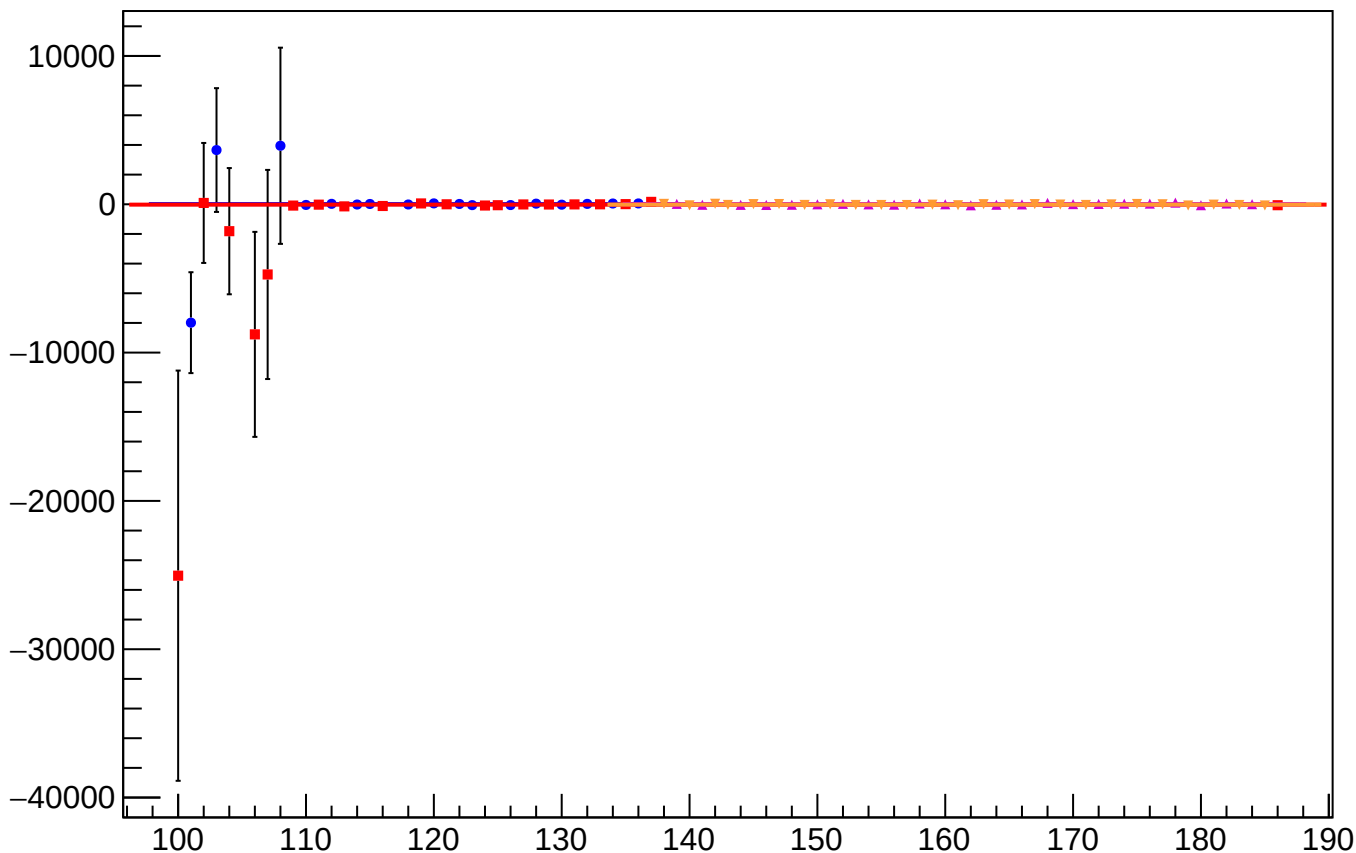
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF: 1381771.9/22

+ sign 199.258 $\pm$ 0.030 χ^2 /NDF: 5444277.2/41

All: 191.018 $\pm$ 0.021 χ^2 /NDF: 11398909.2/84

- sign 183.728 $\pm$ 0.028 χ^2 /NDF: 5814078.3/42

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.332+/-13.769 χ^2/NDF : 14.5/16

Left Out: -22.879+/-7.340 χ^2/NDF :18.8/24

Right Out: -24.427+/-13.308 χ^2/NDF : 28.4/19

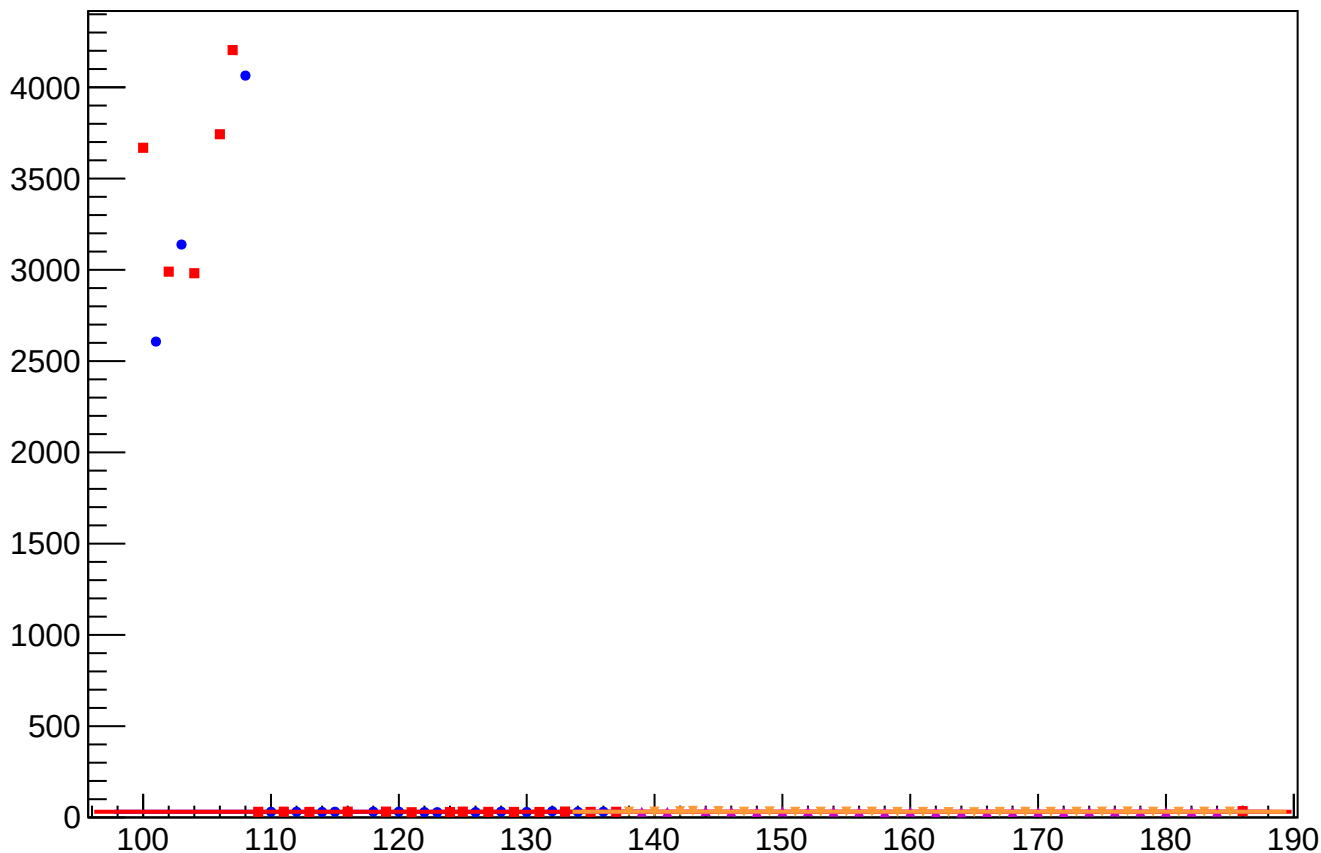
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -15.086+/-6.477 χ^2/NDF : 38.4/41

All: -8.362+/-4.611 χ^2/NDF : 111.2/84

- sign -1.452+/-6.567 χ^2/NDF : 70.7/42

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.184+/-0.010 χ^2/NDF : 3014248.1/16

Left Out: 31.482+/-0.005 χ^2/NDF : 82437.2/24

Right Out: 31.187+/-0.009 χ^2/NDF : 3466620.4/19

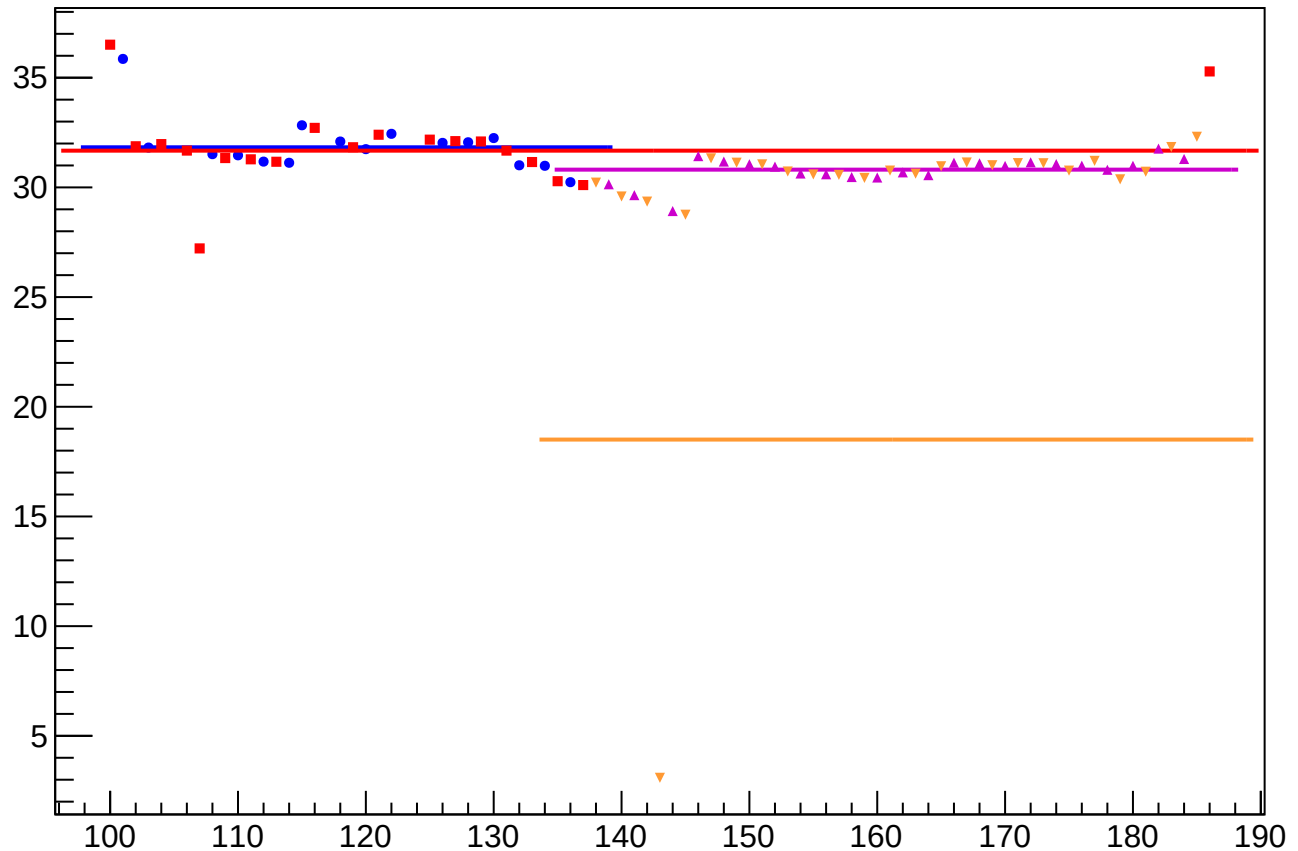
Left In: 31.484+/-0.005 χ^2/NDF : 87981.1/22

+ sign 31.416+/-0.005 χ^2/NDF : 3097412.0/41

All: 31.414+/-0.003 χ^2/NDF : 6652768.7/84

- sign 31.412+/-0.005 χ^2/NDF : 3555356.3/42

yield_usl_mean vs Slug



Right In: 31.828+/-0.000 χ^2/NDF : 1553310195.5/15

Left Out: 18.505+/-0.000 χ^2/NDF : 940607632746.3/24

Right Out: 31.675+/-0.000 χ^2/NDF : 1041343497.4/18

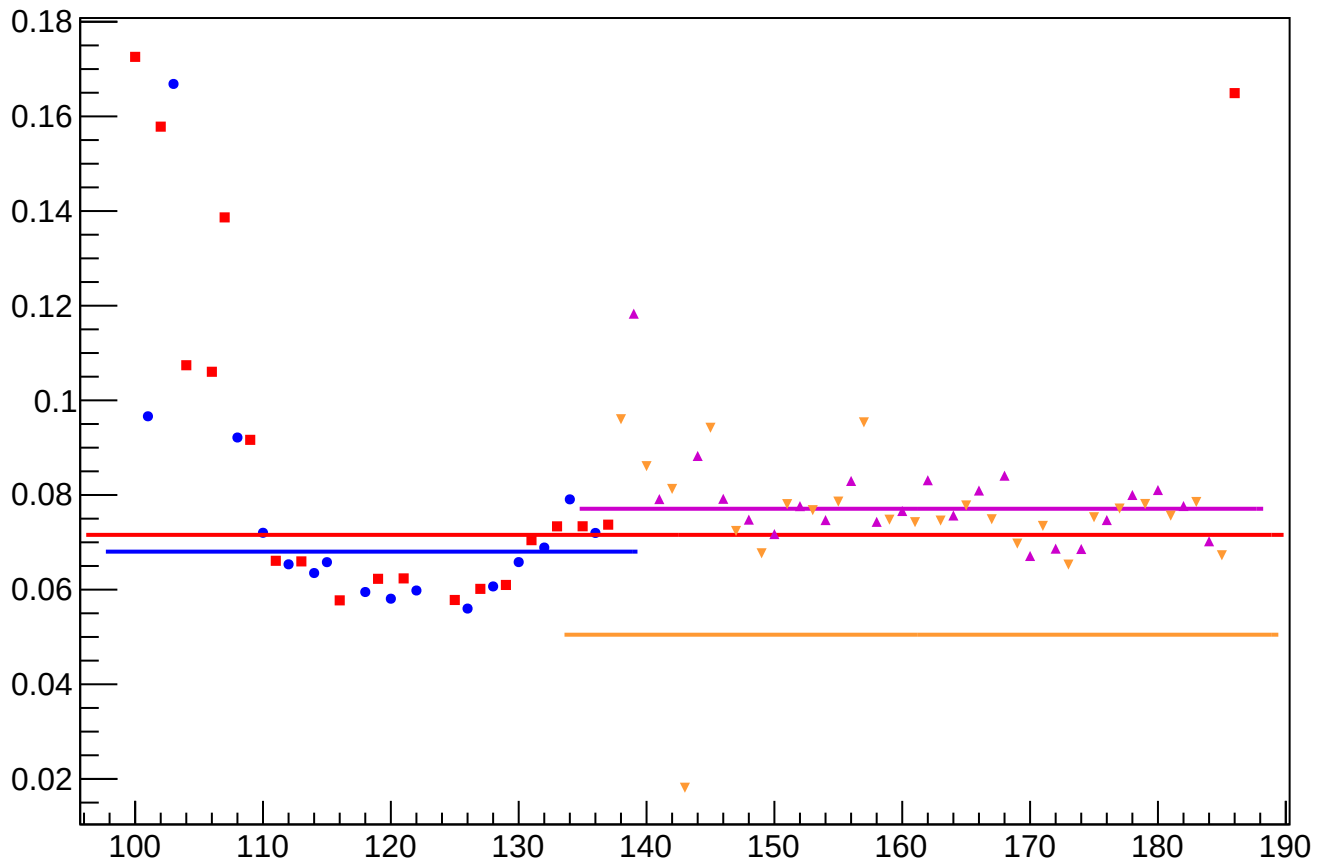
Left In: 30.809+/-0.000 χ^2/NDF : 821961762.3/22

+ sign 21.176+/-0.000 χ^2/NDF : 1118662405339.7/4

All: 24.977+/-0.000 χ^2/NDF : 1354639052018

- sign 31.078+/-0.000 χ^2/NDF : 2482943120.2/41

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 632212.4/15

Left Out: 0.050 $\pm$ 0.000 χ^2 /NDF:8543648.6/24

Right Out: 0.072 $\pm$ 0.000 χ^2 /NDF: 1080023.3/18

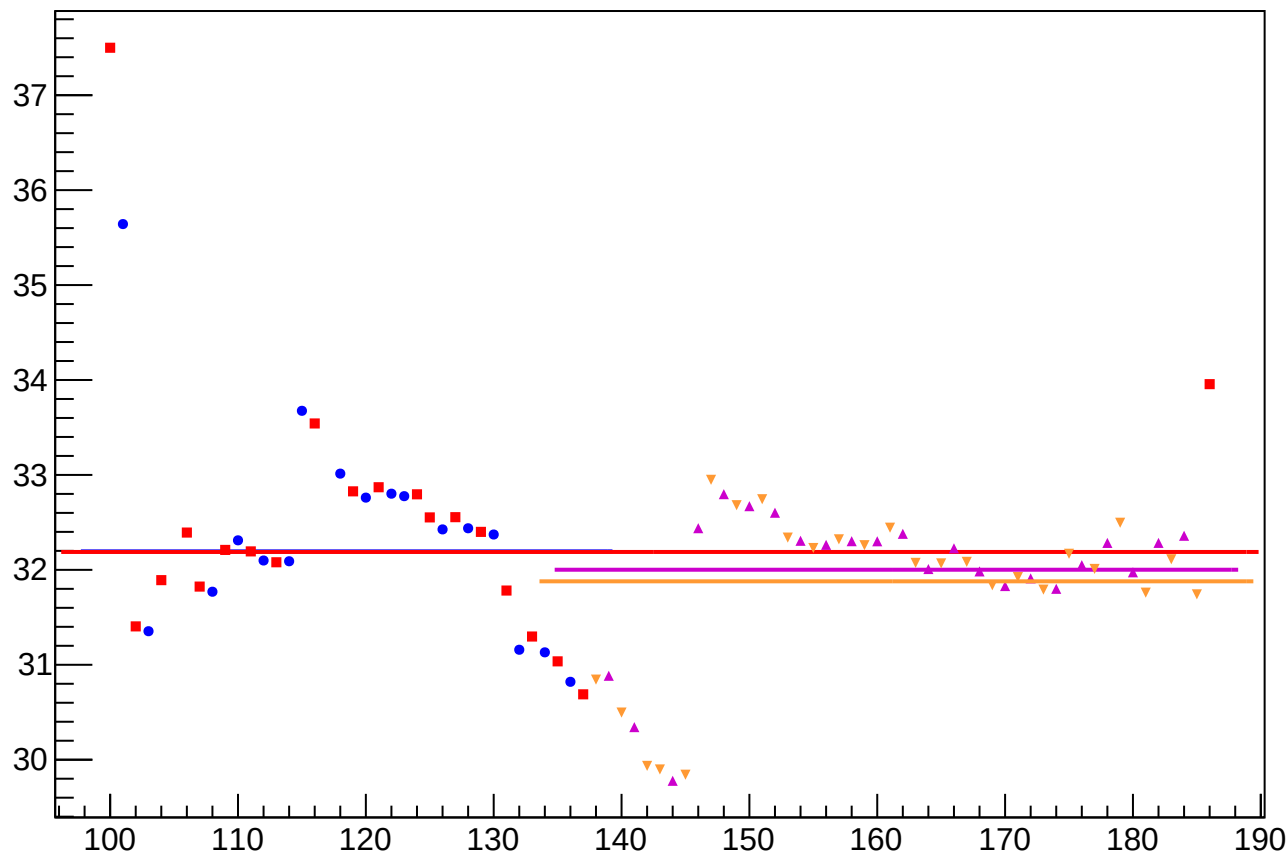
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 9788554.7/40

All: 0.062 $\pm$ 0.000 χ^2 /NDF: 13422325.5/82

- sign 0.075 $\pm$ 0.000 χ^2 /NDF: 1456204.9/41

yield_usr_mean vs Slug



Right In: 32.195+/-0.000 χ^2/NDF : 1002008039.3/16

Left Out: 31.879+/-0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.189+/-0.000 χ^2/NDF : 488251155.6/19

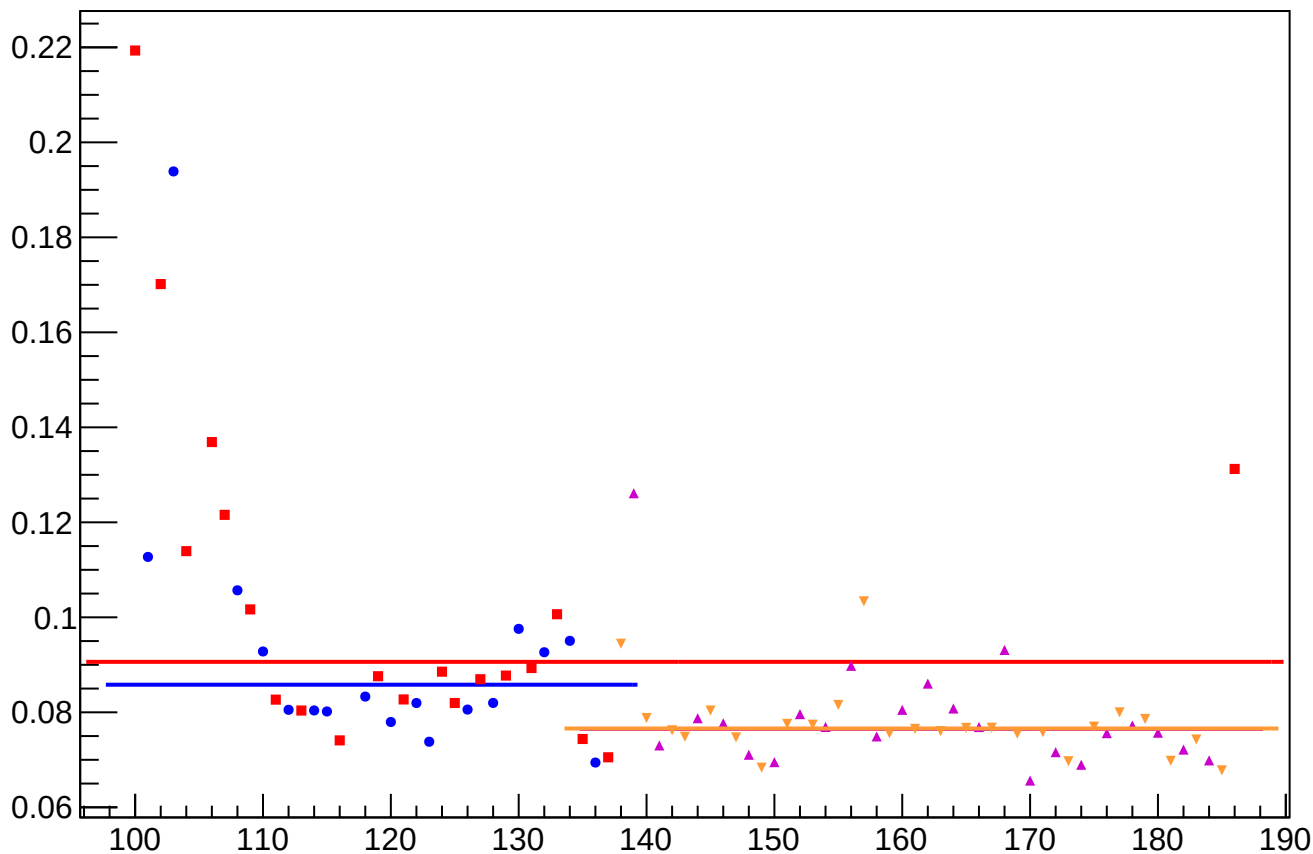
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 31.947+/-0.000 χ^2/NDF : 3039638312.8/41

All: 31.994+/-0.000 χ^2/NDF : 4977027937.7/8

- sign 32.043+/-0.000 χ^2/NDF : 1920757421.5/42

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 554772.3/16

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 209648.5/24

Right Out: 0.091 $\pm$ 0.000 χ^2 /NDF: 609663.0/19

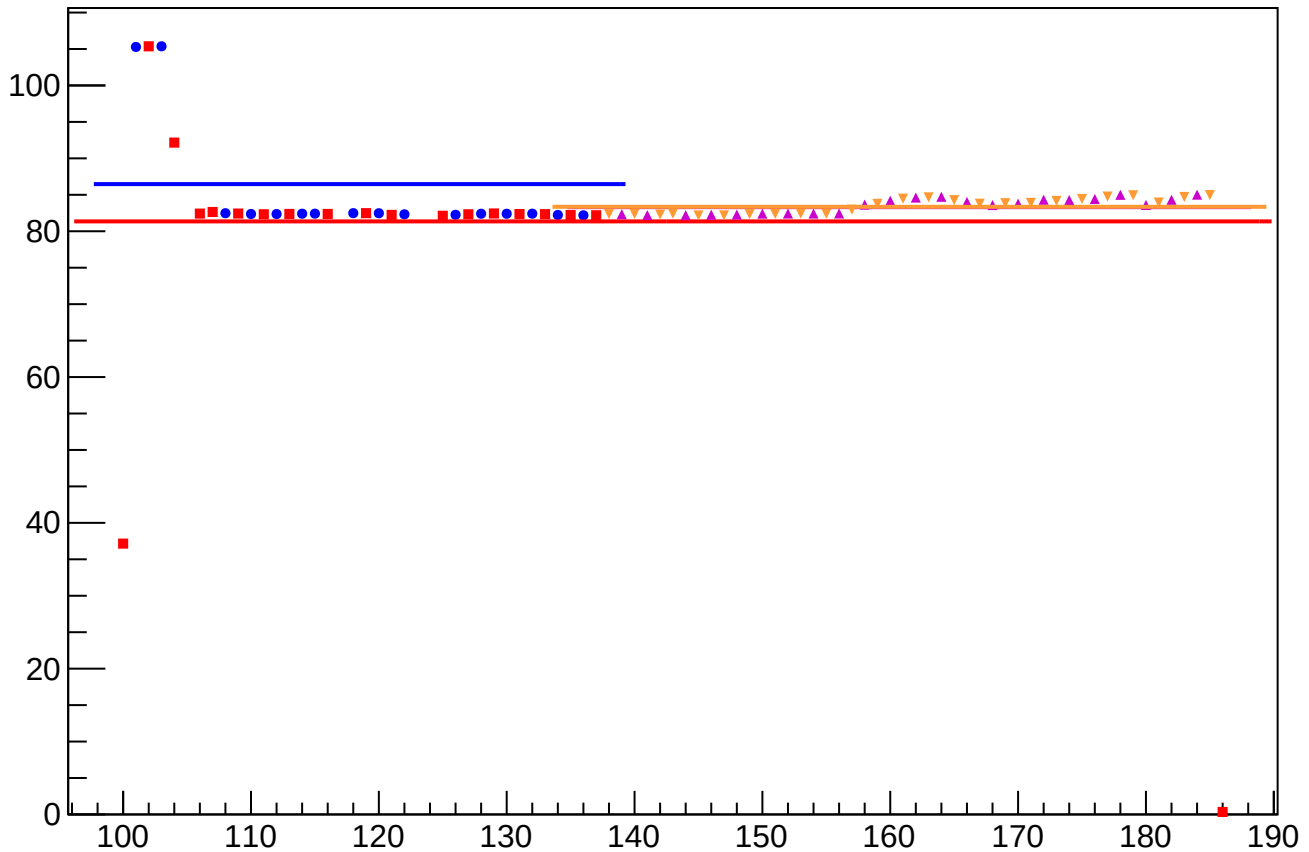
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF: 432563.3/22

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 869268.0/41

All: 0.079 $\pm$ 0.000 χ^2 /NDF: 2159313.0/84

- sign 0.080 $\pm$ 0.000 χ^2 /NDF: 1285918.9/42

yield_dsl_mean vs Slug



Right In: 86.468+/-0.000 χ^2/NDF : 291253714999.8/15

Left Out: 83.355+/-0.000 χ^2/NDF : 9142393022.8/24

Right Out: 81.353+/-0.000 χ^2/NDF : 1349353004852.9/18

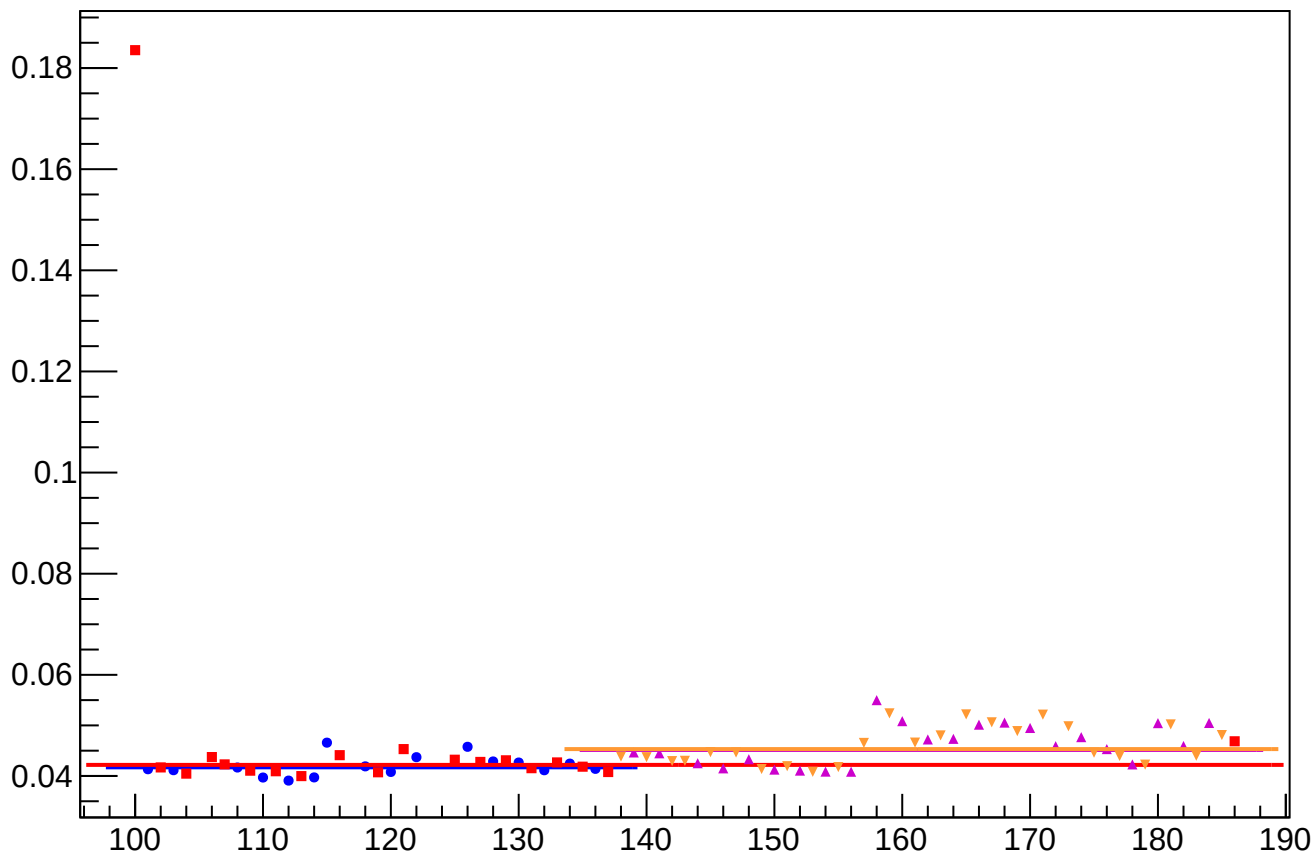
Left In: 83.309+/-0.000 χ^2/NDF : 8421247810.9/22

+ sign 84.294+/-0.000 χ^2/NDF : 325831507231.4/40

All: 83.483+/-0.000 χ^2/NDF : 1710490349084.4/100

- sign 82.667+/-0.000 χ^2/NDF : 1368218493054.4/40

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 19442.4/15

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:211358.2/24

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 104808.4/18

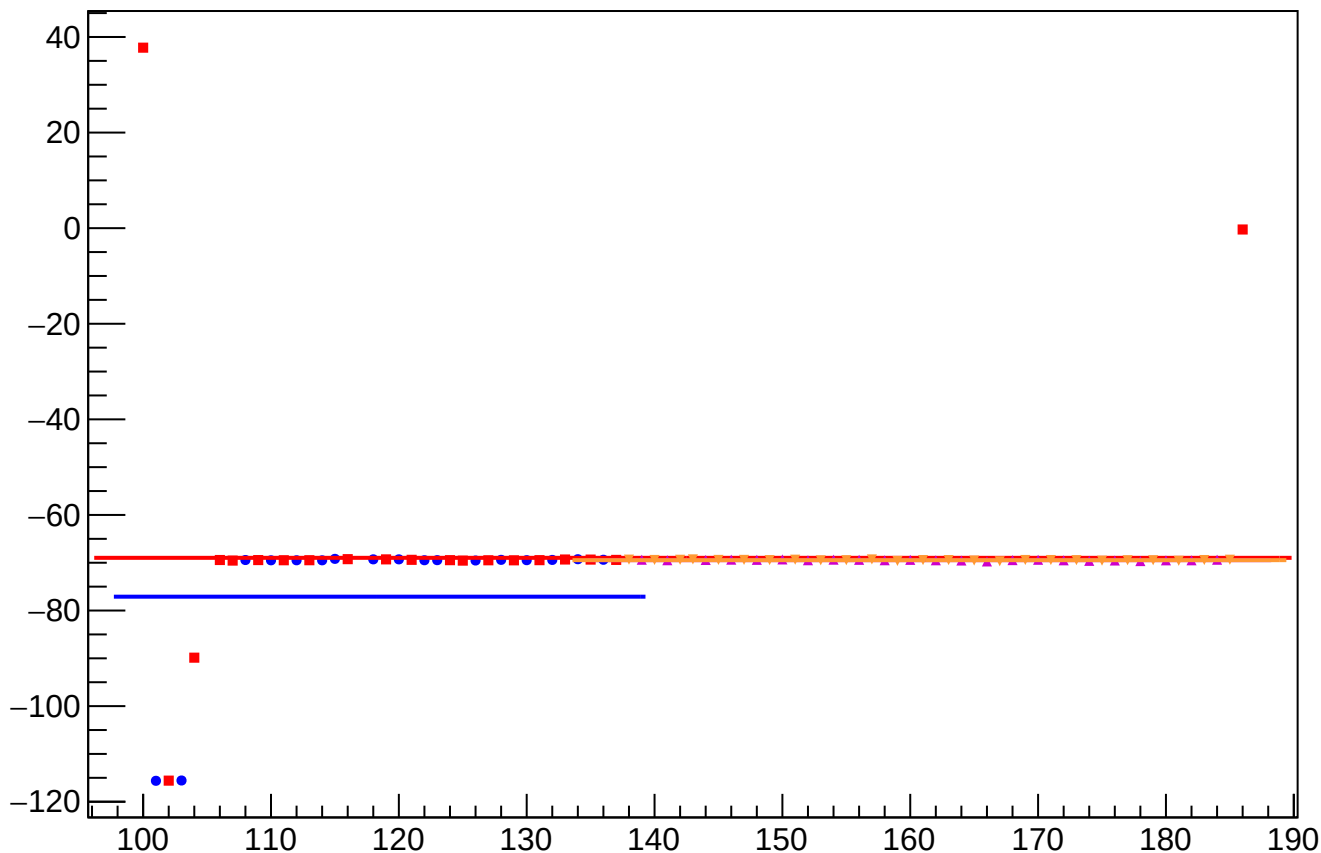
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 299052.0/40

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 694394.8/82

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 395307.6/41

yield_dsr_mean vs Slug



Right In: -77.101 ± 0.000 $\chi^2/\text{NDF}: 564992278701.1/16$

Left Out: -69.461 ± 0.000 $\chi^2/\text{NDF}: 49572401.9/24$

Right Out: -68.973 ± 0.000 $\chi^2/\text{NDF}: 1217410537568.1/19$

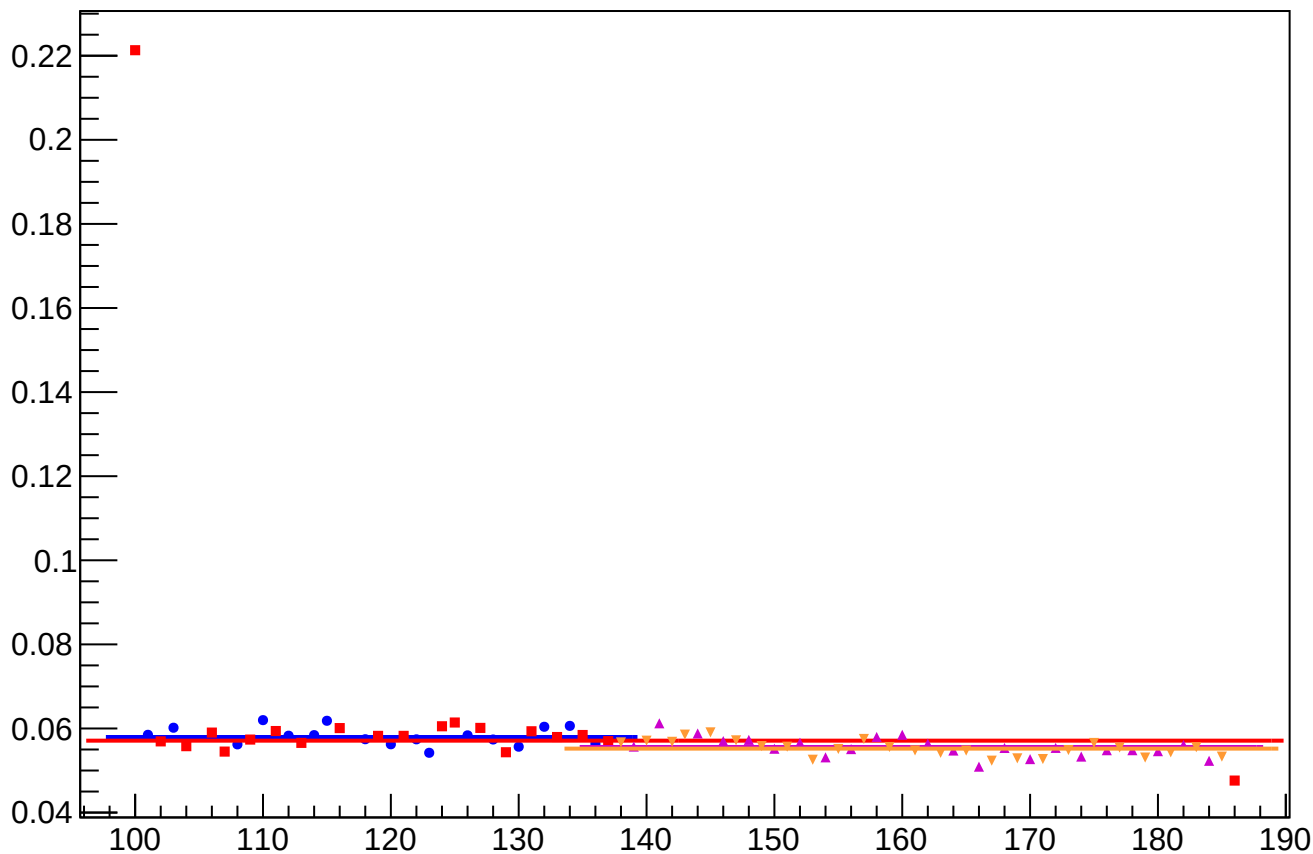
Left In: -69.458 ± 0.000 $\chi^2/\text{NDF}: 52798704.3/22$

+ sign -71.345 ± 0.000 $\chi^2/\text{NDF}: 648959793665.6/4$

All: -70.337 ± 0.000 $\chi^2/\text{NDF}: 188260704158$

- sign -69.318 ± 0.000 $\chi^2/\text{NDF}: 1217833629730.2/4$

yield_dsr_rms vs Slug



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12317.7/16

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.057 $\pm$ 0.000 χ^2 /NDF: 119989.4/19

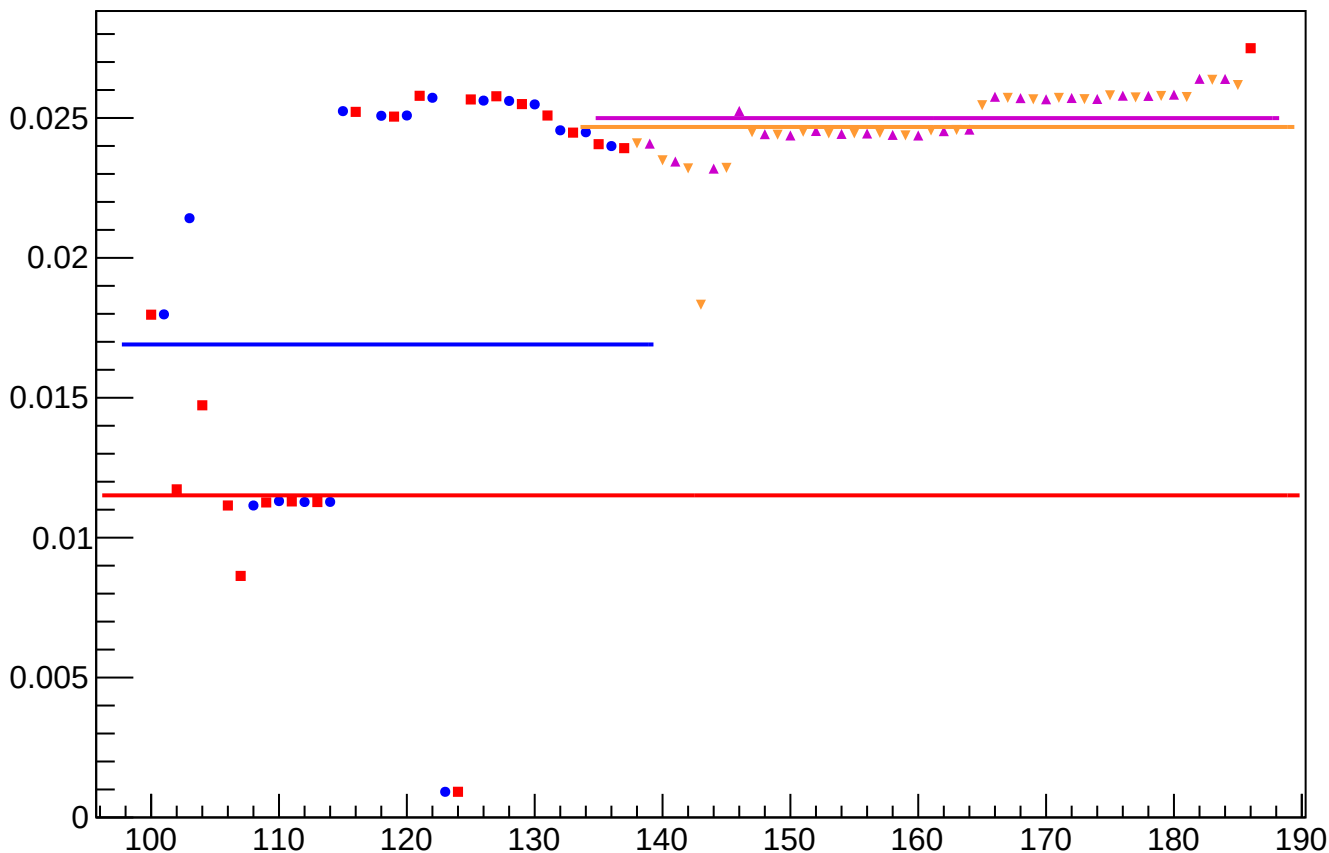
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.056 $\pm$ 0.000 χ^2 /NDF: 73054.5/41

All: 0.056 $\pm$ 0.000 χ^2 /NDF: 252549.0/84

- sign 0.056 $\pm$ 0.000 χ^2 /NDF: 179348.1/42

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126025885261.2/16

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 241794821578.4/19

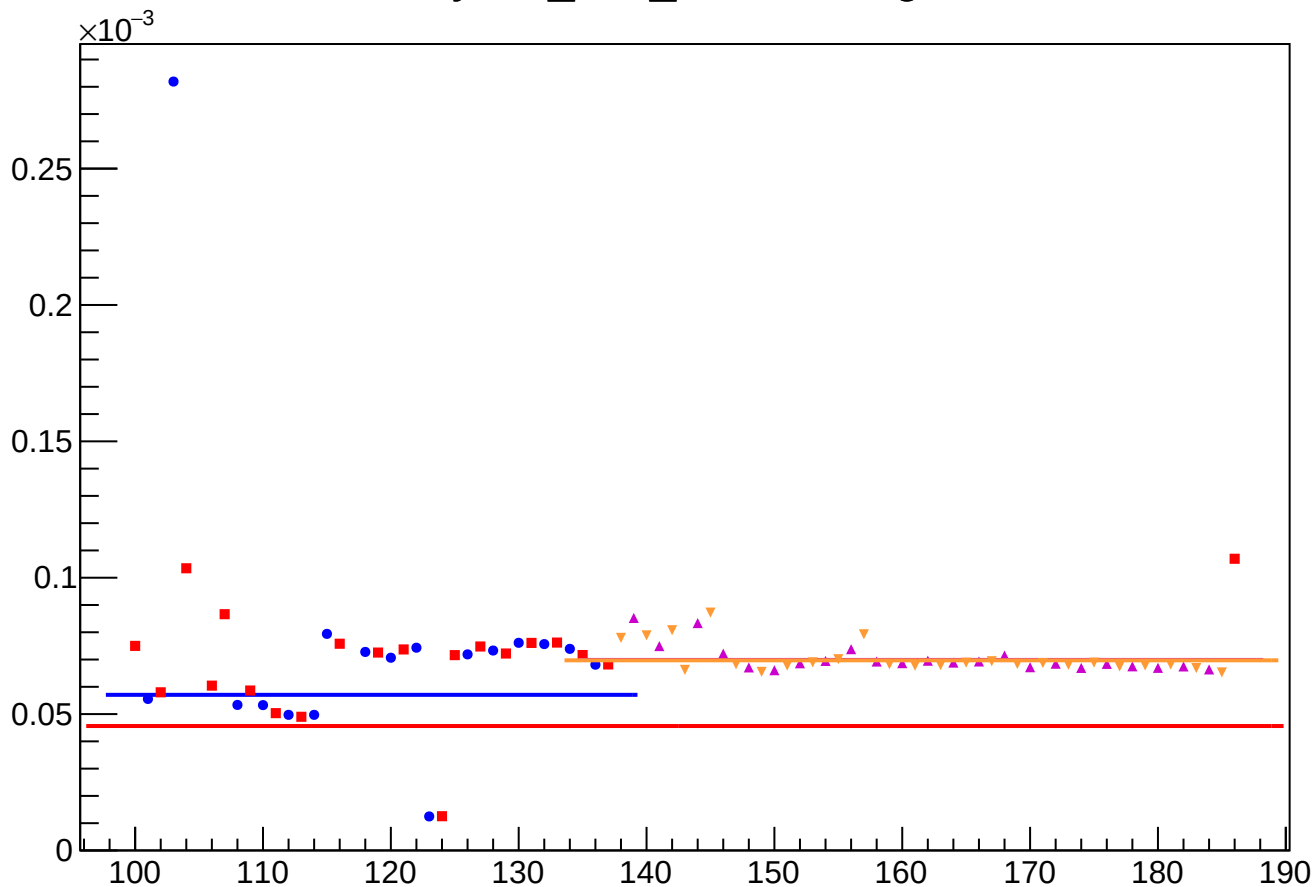
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 205479644135.5/41

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 732458447318.3

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 505323589866.8/42

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1998313.1/16

Left Out: 0.000+/-0.000 χ^2/NDF : 158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3836980.0/19

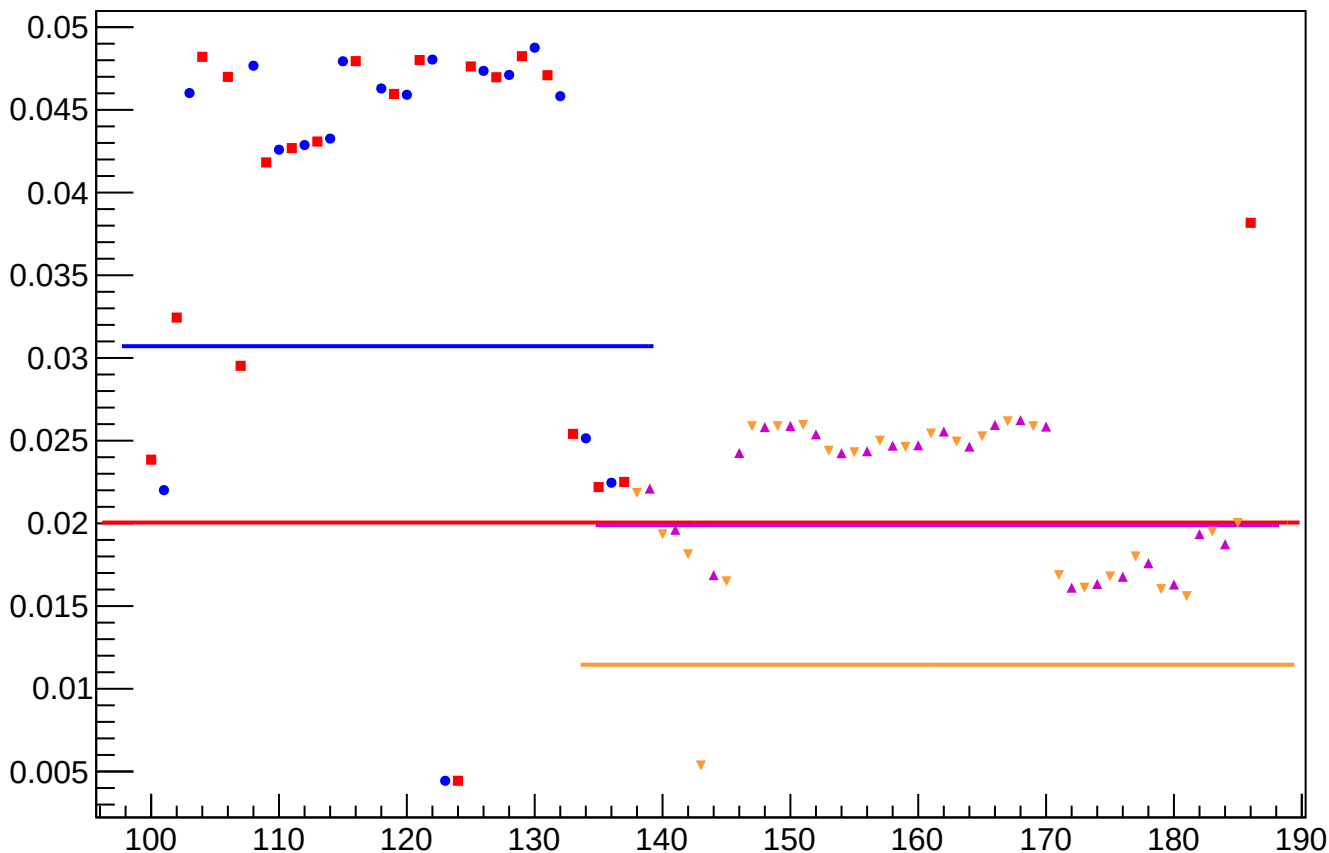
Left In: 0.000+/-0.000 χ^2/NDF : 129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 2526505.5/41

All: 0.000+/-0.000 χ^2/NDF : 8370454.6/84

- sign 0.000+/-0.000 χ^2/NDF : 5653039.0/42

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21081896587.0/16

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

Right Out: 0.020+/-0.000 χ^2/NDF : 39971268253.6/19

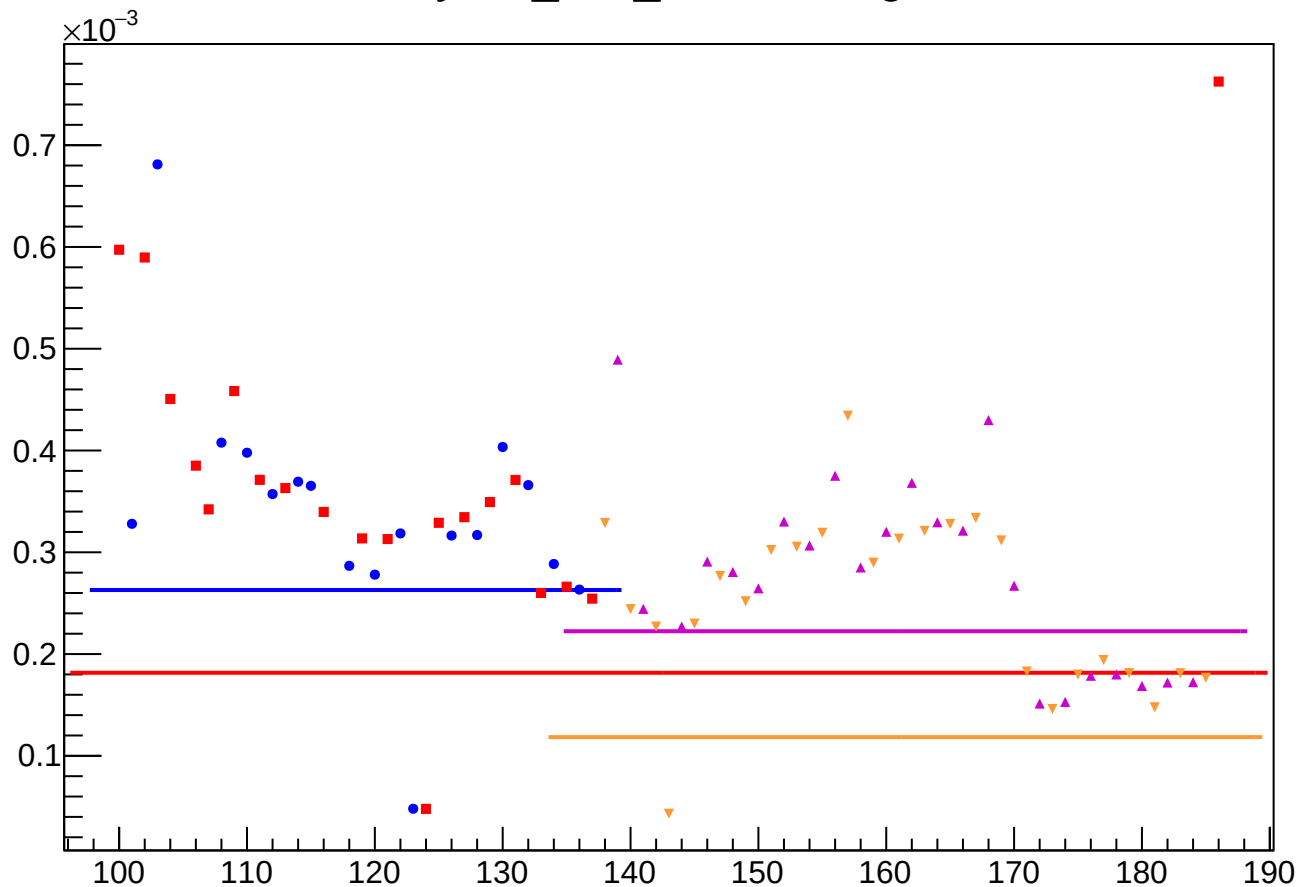
Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 85243816394.4/41

All: 0.015+/-0.000 χ^2/NDF : 141961669509.0

- sign 0.020+/-0.000 χ^2/NDF : 44432207062.5/42

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2393587.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5768953.0/19

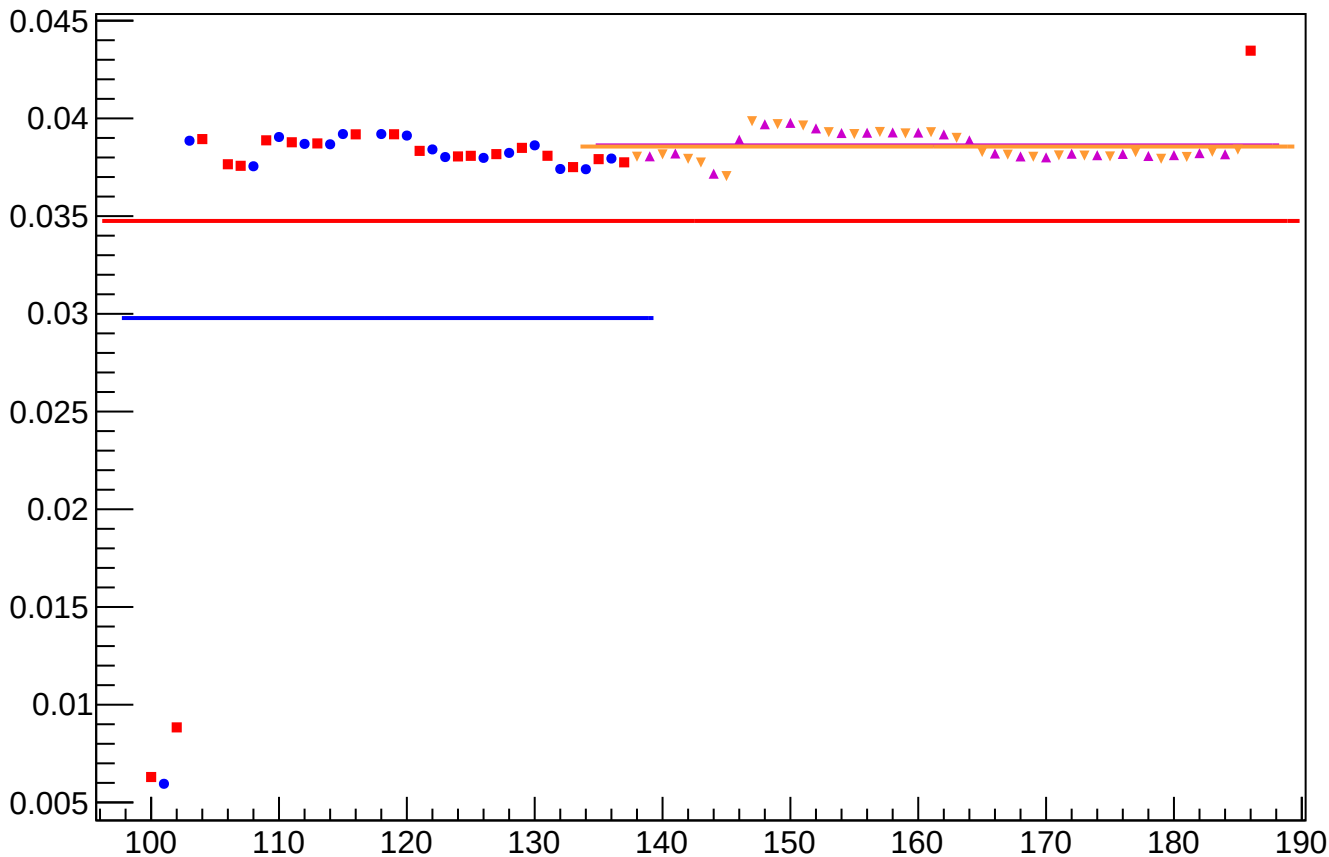
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 18644815.5/41

All: 0.000+/-0.000 χ^2/NDF : 31365925.8/84

- sign 0.000+/-0.000 χ^2/NDF : 9329558.0/42

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 96939094269.8/16

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF:539468437.3/24

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 122759164536.6/41

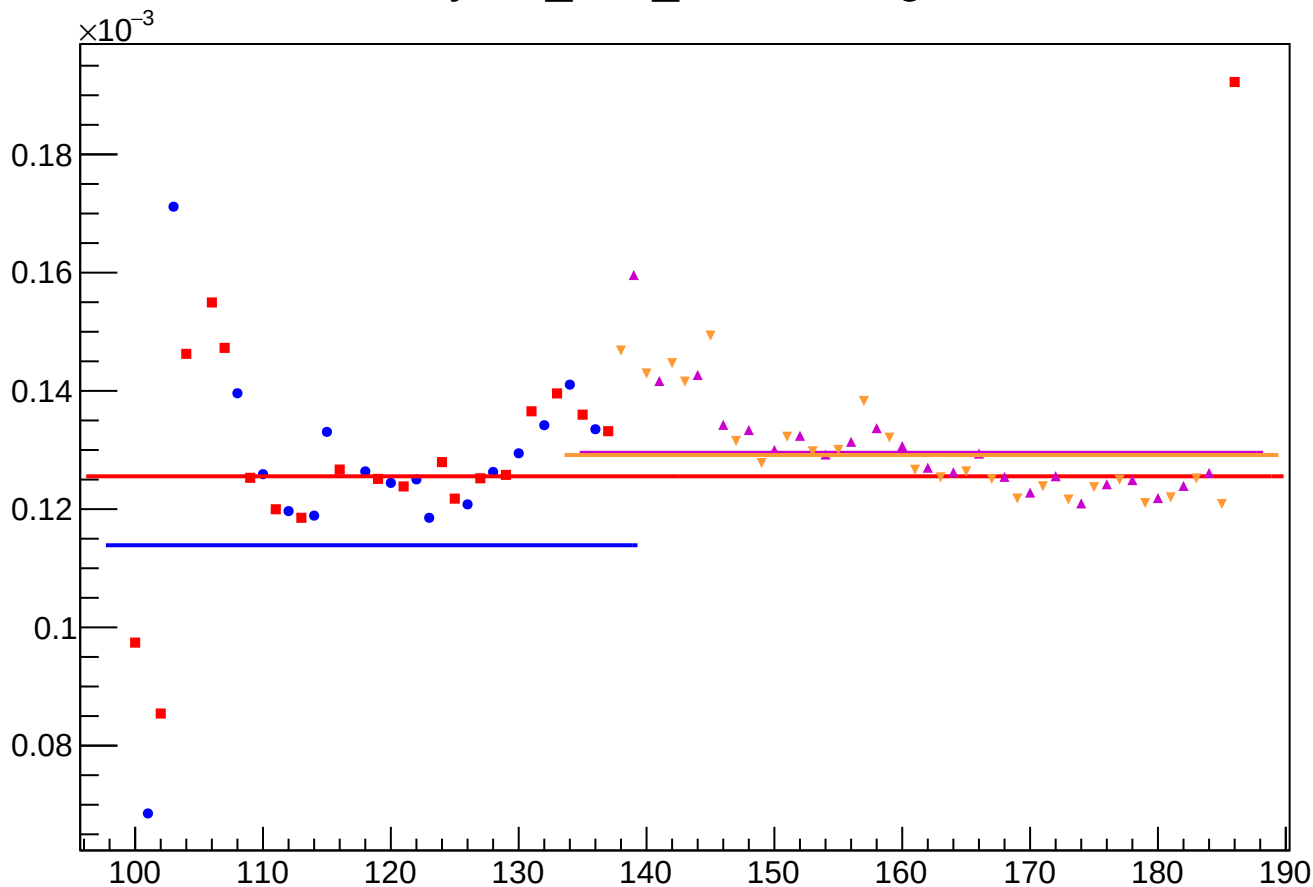
Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 44322675104.4/19

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 173971254665.3

Left In: 0.039 $\pm$ 0.000 χ^2 /NDF:465745982.6/22

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 49389755720.3/42

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 792994.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 336474.9/19

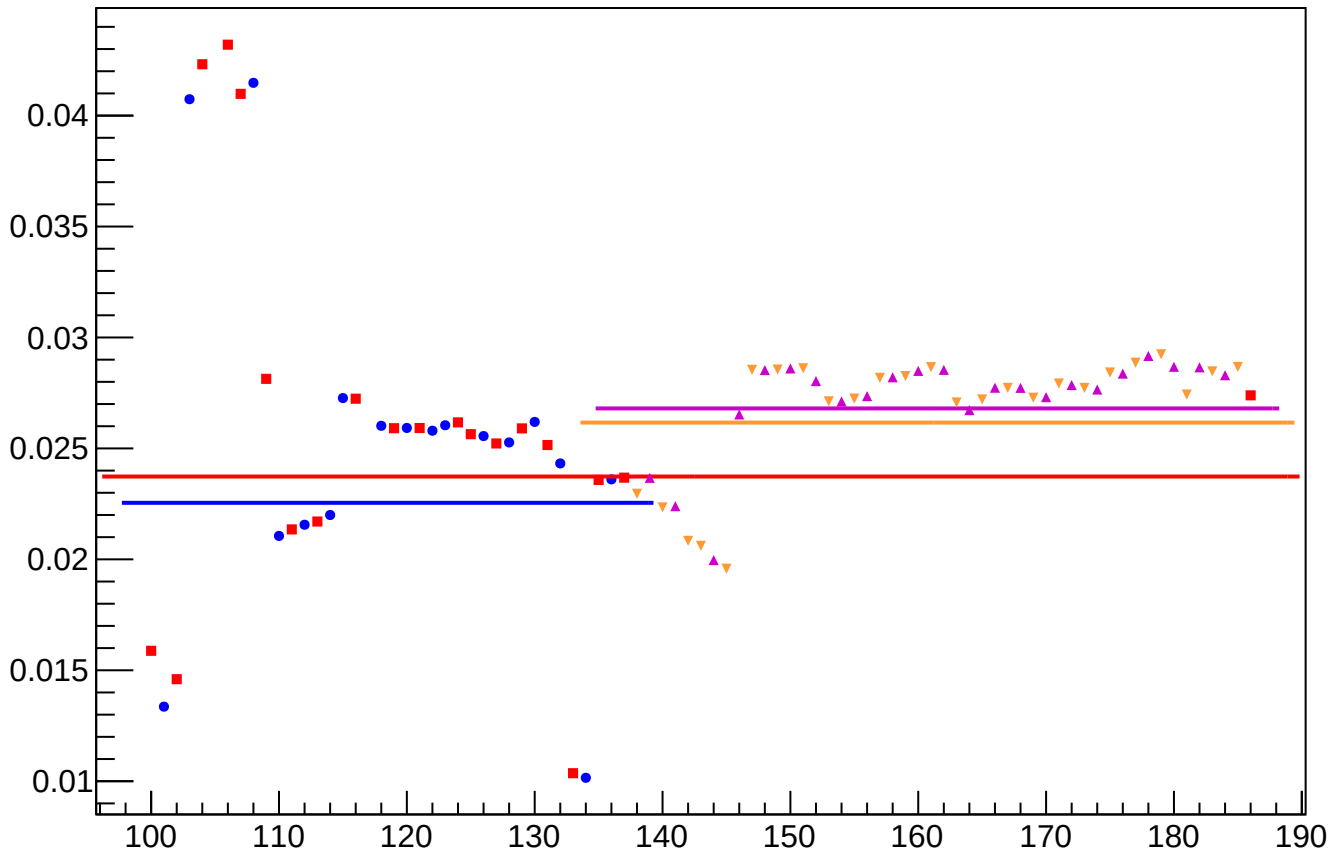
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1076184.8/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 1559032.1/84

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 460969.6/42

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4235847516.4/16

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.024+/-0.000 χ^2/NDF : 5661274443.5/19

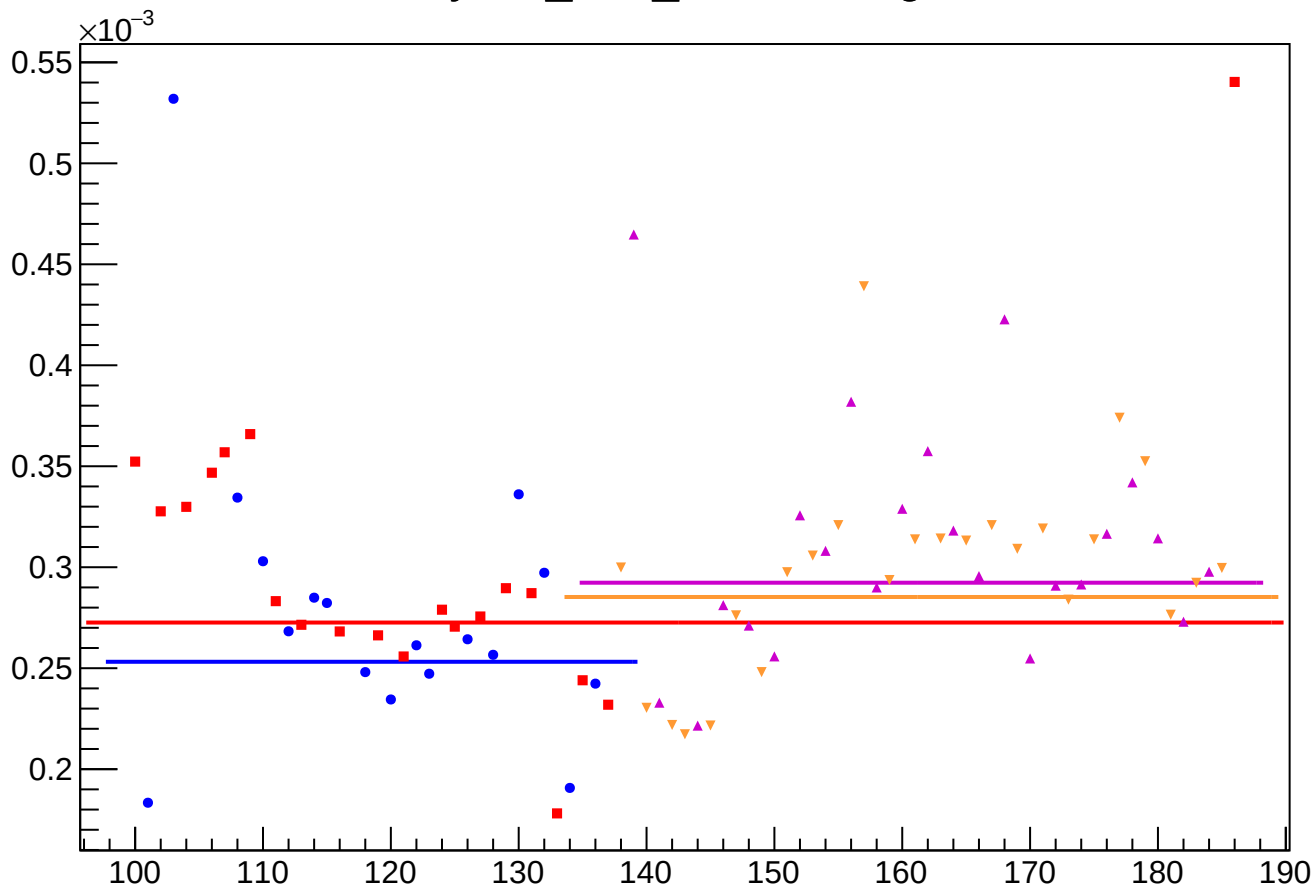
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7105618985.4/41

All: 0.025+/-0.000 χ^2/NDF : 14737470442.6/8

- sign 0.026+/-0.000 χ^2/NDF : 7547011857.2/42

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 626352.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 813464.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 613334.2/19

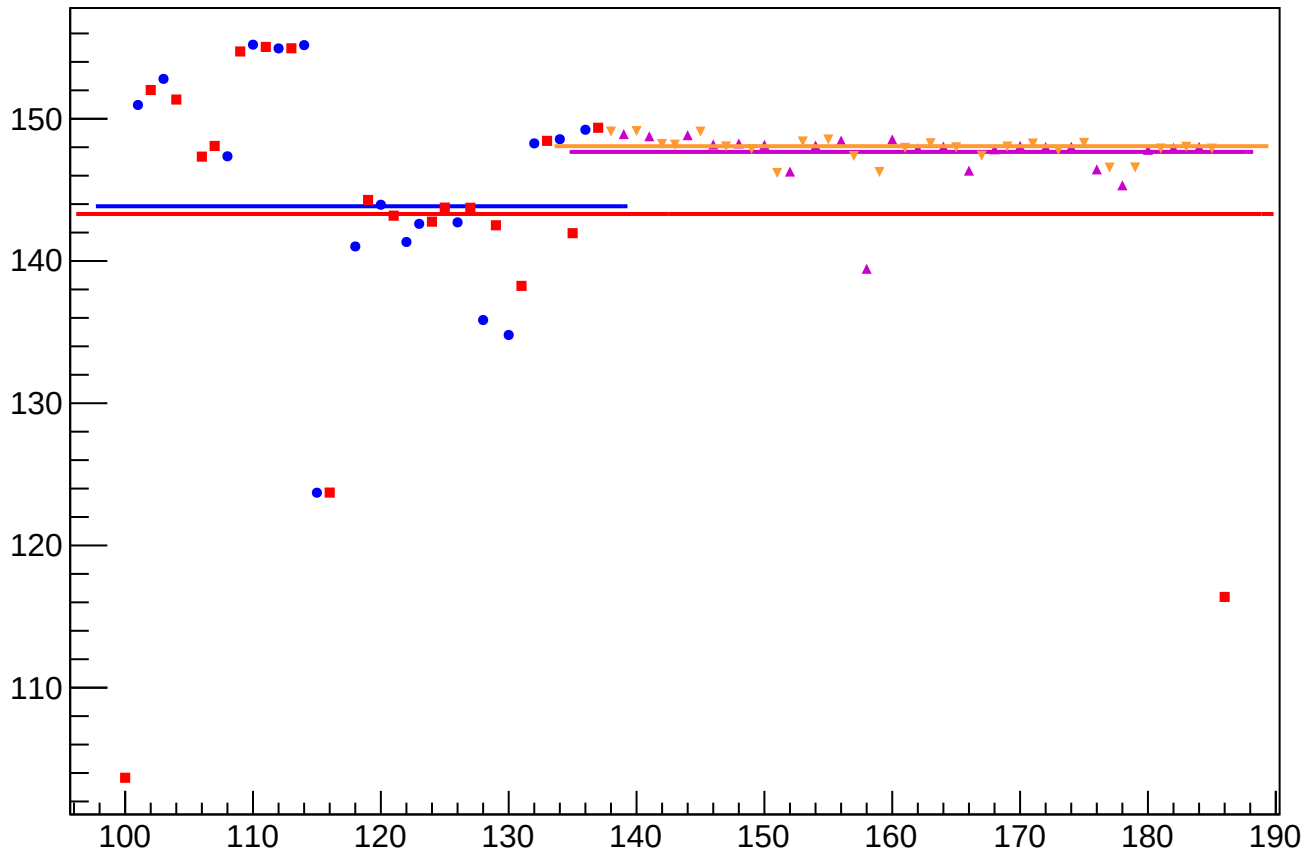
Left In: 0.000+/-0.000 χ^2/NDF : 898772.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 1567821.6/41

All: 0.000+/-0.000 χ^2/NDF : 3157818.3/84

- sign 0.000+/-0.000 χ^2/NDF : 1557855.4/42

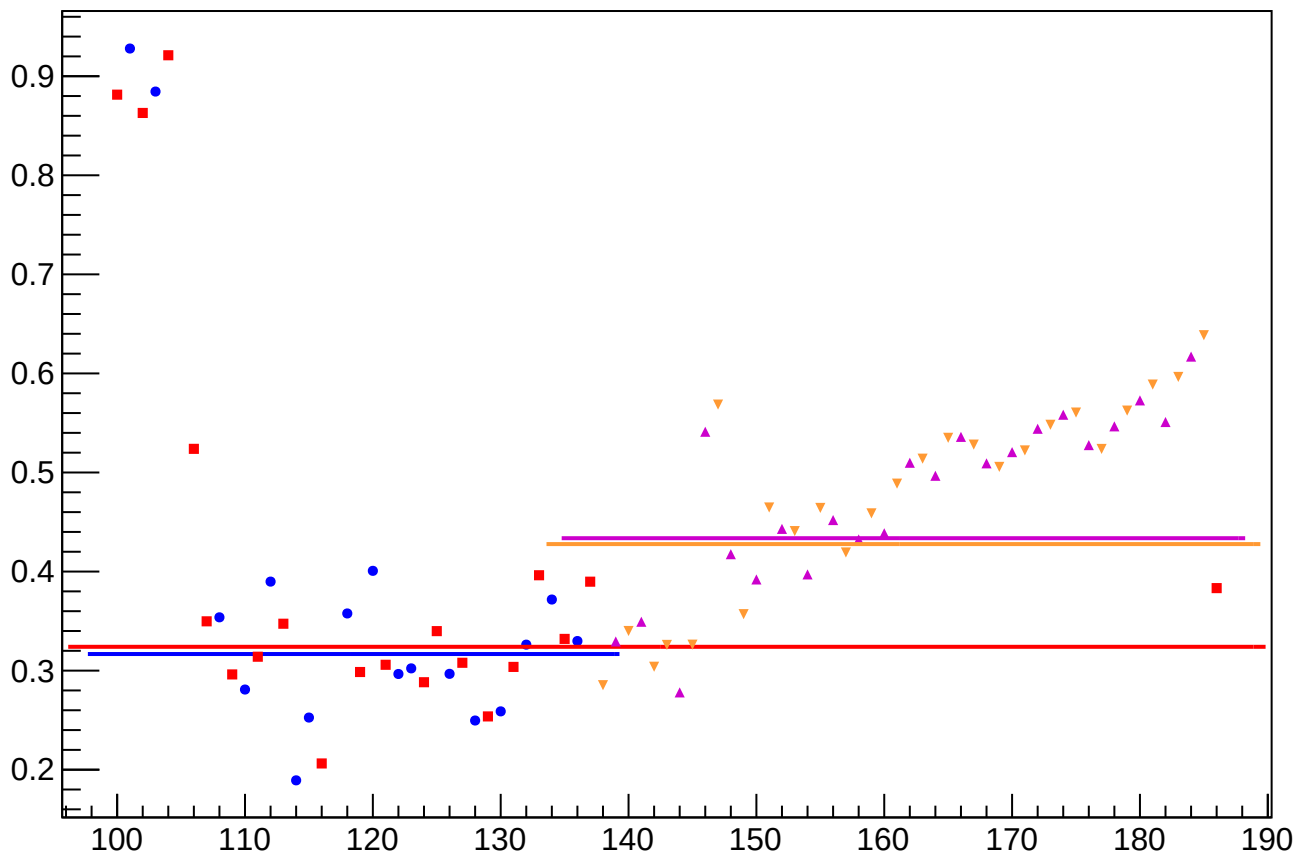
yield_bcm_an_ds_mean vs Slug



Right In: 143.849 ± 0.000 χ^2/NDF : 3450807407.9/16
 Left Out: 148.073 ± 0.000 χ^2/NDF : 65614067.4/24
 Right Out: 143.307 ± 0.000 χ^2/NDF : 6071206706.2/19
 Left In: 147.670 ± 0.000 χ^2/NDF : 345222604.4/22

+ sign 146.498 ± 0.000 χ^2/NDF : 4133682436.2/41
 All: 146.202 ± 0.000 χ^2/NDF : 11244022595.
 - sign 145.900 ± 0.000 χ^2/NDF : 7084146543.7/42

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1260273.9/16

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.324 ± 0.000 χ^2/NDF : 1234803.9/19

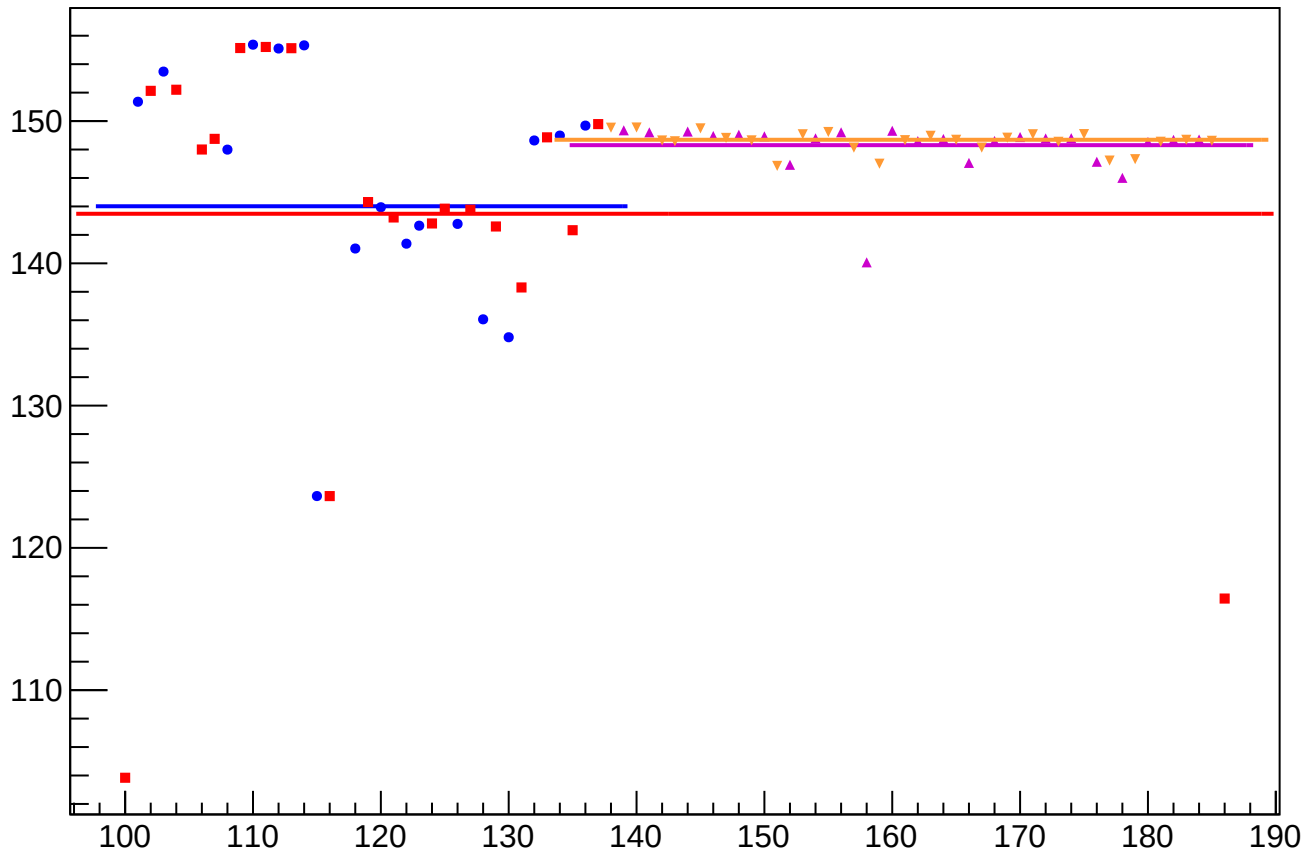
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.386 ± 0.000 χ^2/NDF : 4009213.8/41

All: 0.388 ± 0.000 χ^2/NDF : 7584378.6/84

- sign 0.389 ± 0.000 χ^2/NDF : 3573971.4/42

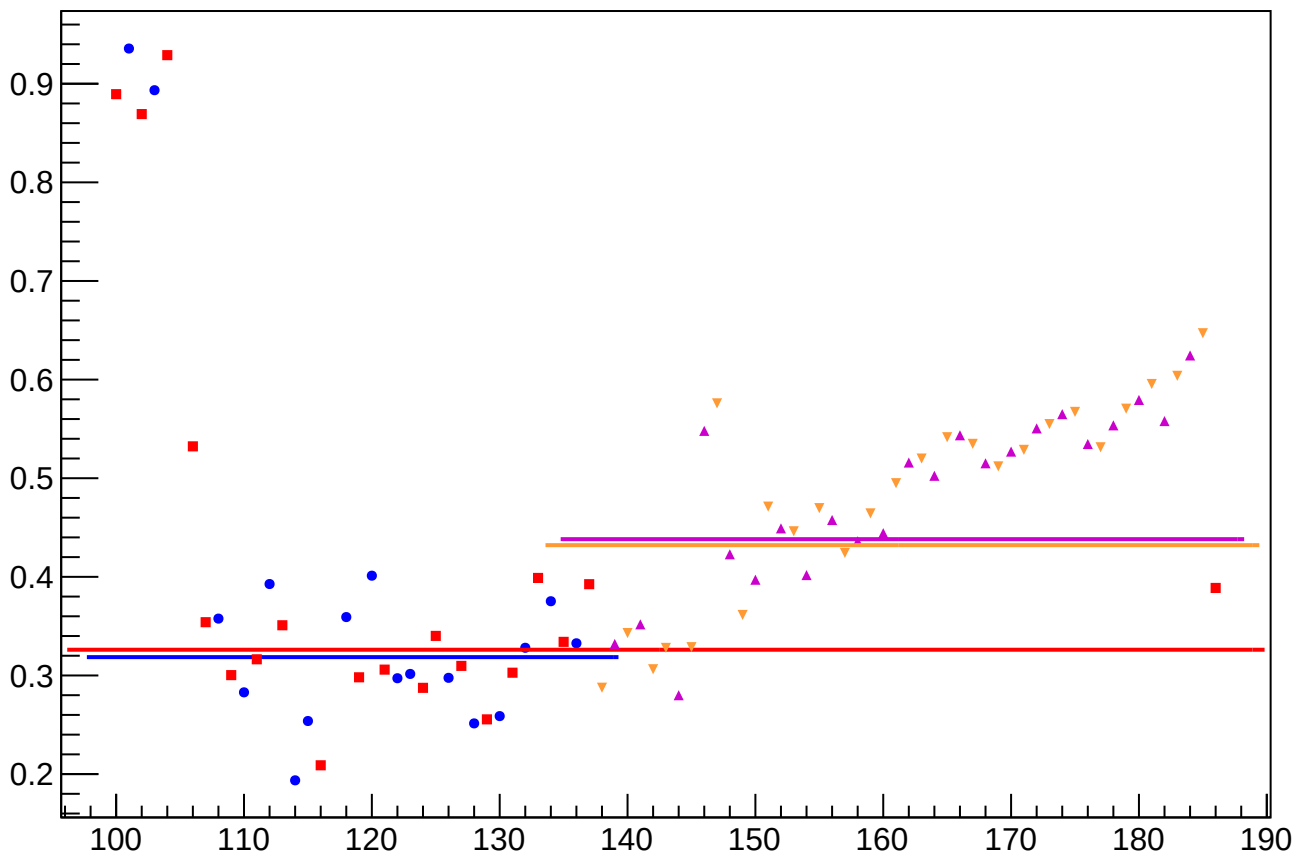
yield_bcm_an_ds3_mean vs Slug



Right In: 144.013 ± 0.000 χ^2/NDF : 3495287828.5/16
 Left Out: 148.686 ± 0.000 χ^2/NDF : 52218185.1/24
 Right Out: 143.484 ± 0.000 χ^2/NDF : 6057950414.0/19
 Left In: 148.307 ± 0.000 χ^2/NDF : 333585558.2/22

+ sign 146.933 ± 0.000 χ^2/NDF : 4291838109.1/41
 All: 146.639 ± 0.000 χ^2/NDF : 11511207548.
 - sign 146.341 ± 0.000 χ^2/NDF : 7194110247.8/42

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1262045.4/16

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1929031.5/24

Right Out: 0.326 $\pm$ 0.000 χ^2 /NDF: 1238759.2/19

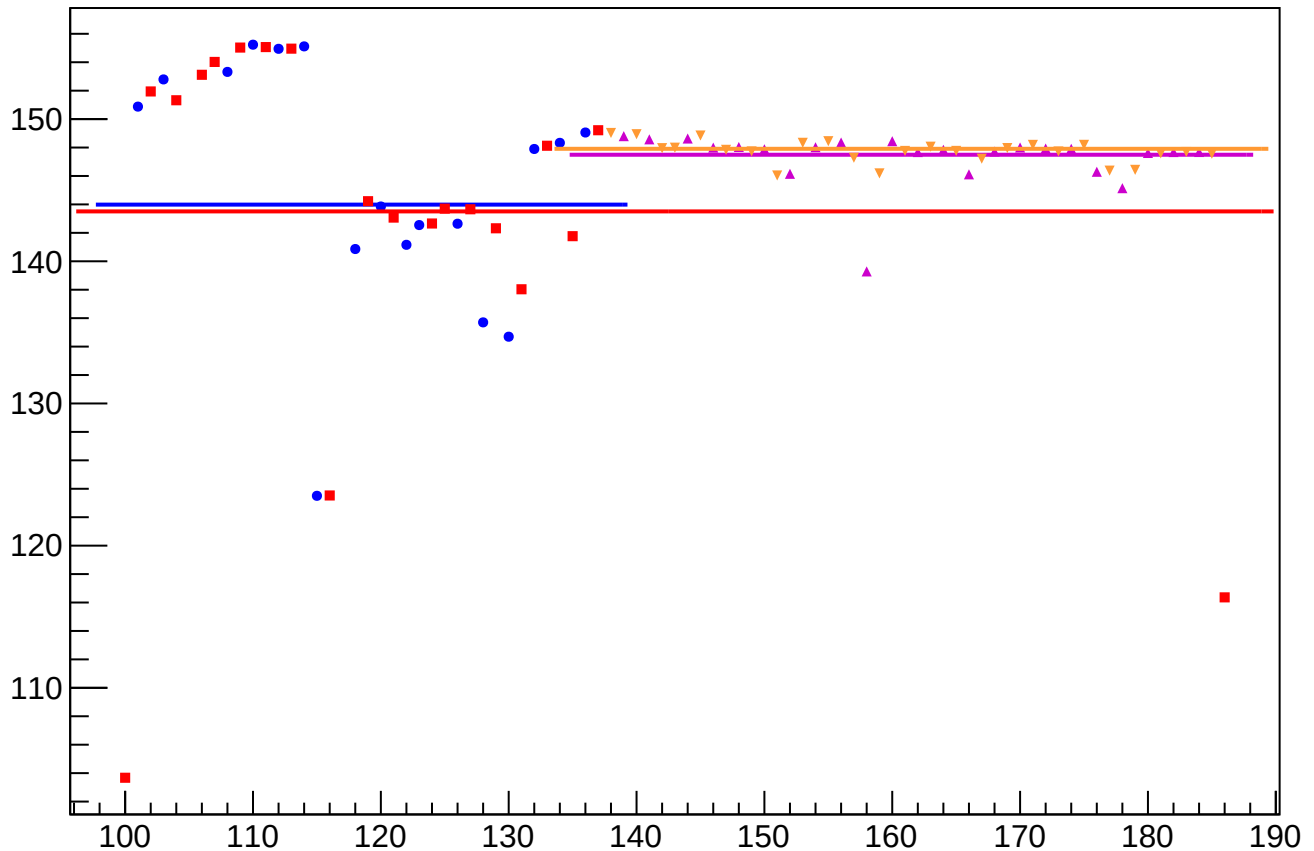
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

+ sign 0.390 $\pm$ 0.000 χ^2 /NDF: 4069705.9/41

All: 0.391 $\pm$ 0.000 χ^2 /NDF: 7699003.2/84

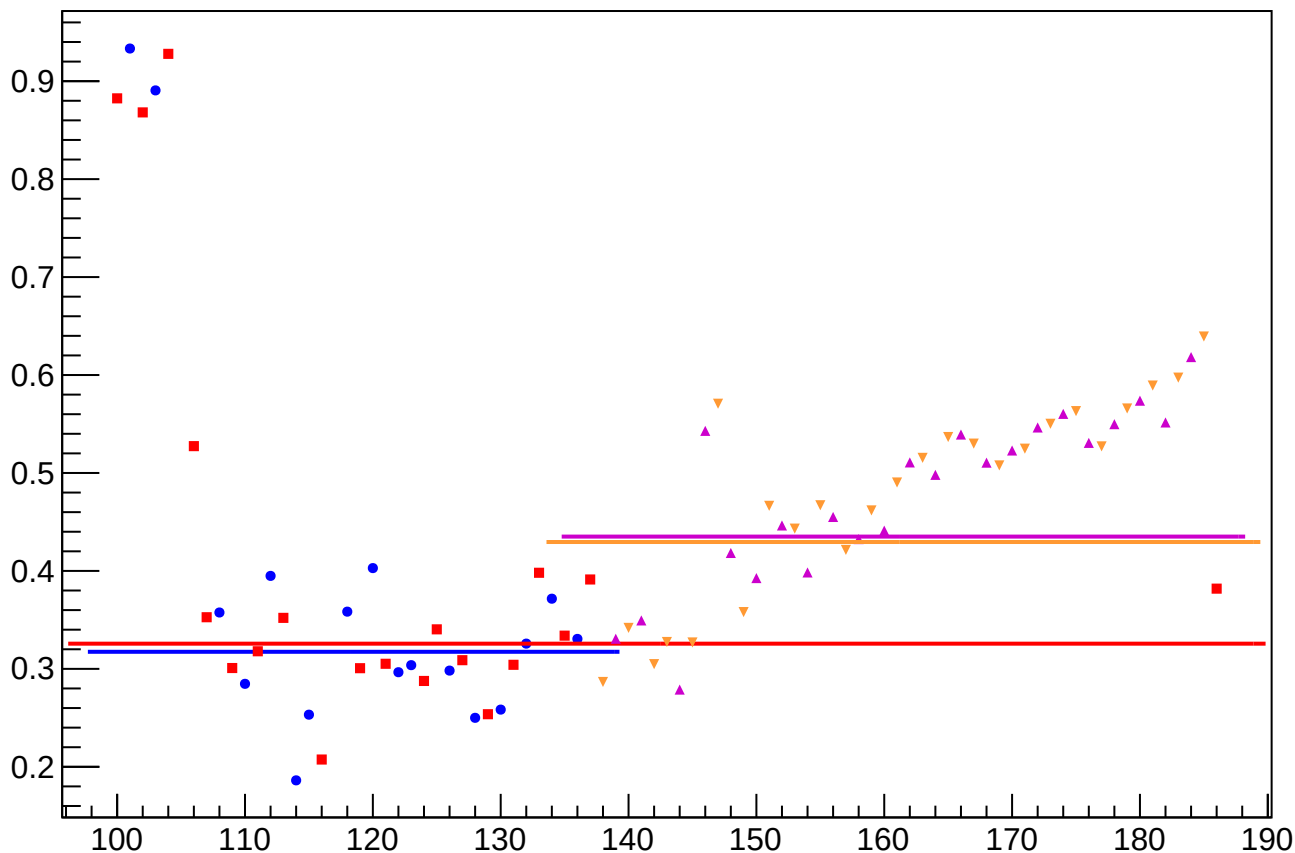
- sign 0.392 $\pm$ 0.000 χ^2 /NDF: 3628030.9/42

yield_bcm_an_us_mean vs Slug



Right In: 143.986 $\pm$ 0.000	χ^2 /NDF: 3664472942.4/16	+ sign 146.445 $\pm$ 0.000	χ^2 /NDF: 4258369162.5/41
Left Out: 147.911 $\pm$ 0.000	χ^2 /NDF: 64412407.9/24	All: 146.165 $\pm$ 0.000	χ^2 /NDF: 11584198300.0
Right Out: 143.508 $\pm$ 0.000	χ^2 /NDF: 6406536791.6/19	- sign 145.880 $\pm$ 0.000	χ^2 /NDF: 7302603759.2/42
Left In: 147.493 $\pm$ 0.000	χ^2 /NDF: 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1274892.4/16

Left Out: 0.430 ± 0.000 χ^2/NDF : 1895701.4/24

Right Out: 0.326 ± 0.000 χ^2/NDF : 1237766.4/19

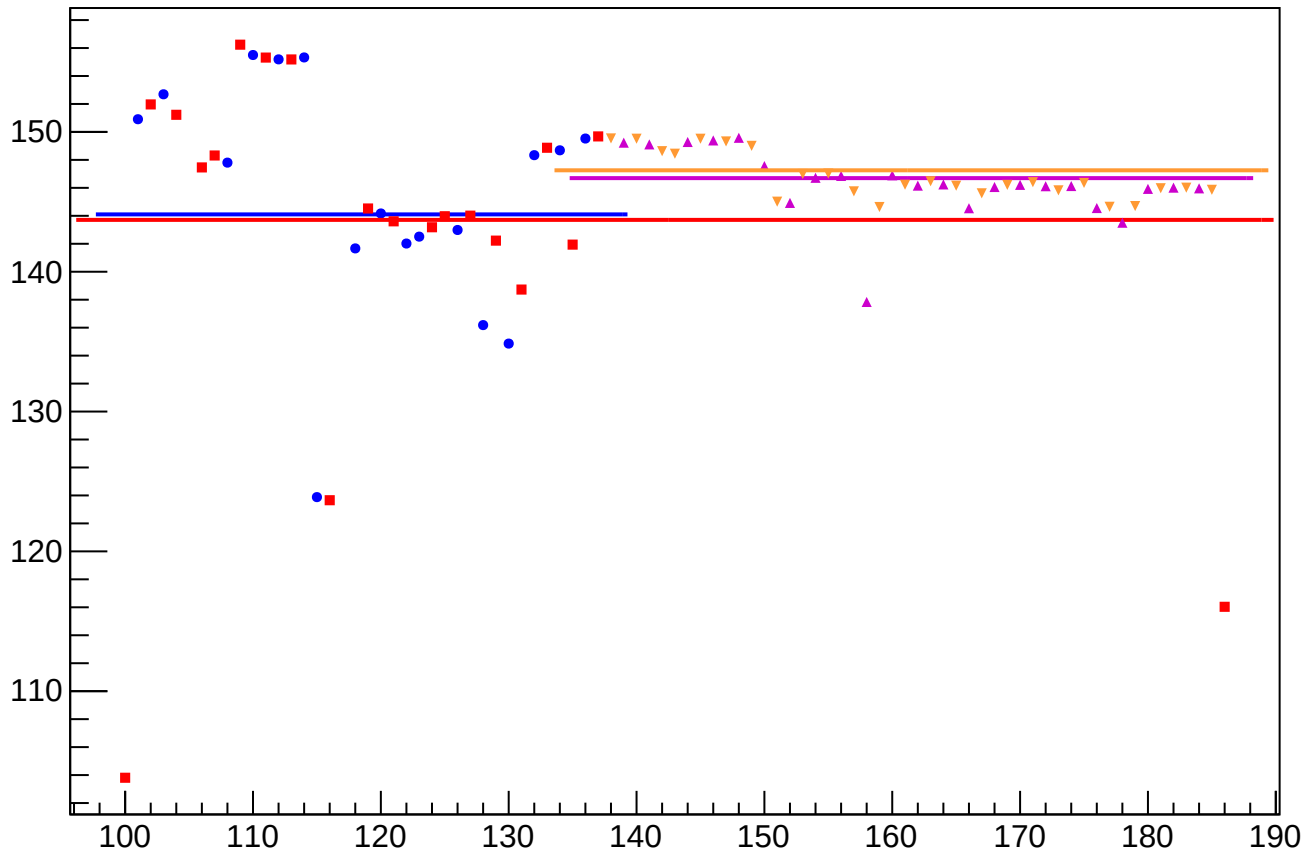
Left In: 0.435 ± 0.000 χ^2/NDF : 1502712.5/22

+ sign 0.388 ± 0.000 χ^2/NDF : 4033915.8/41

All: 0.389 ± 0.000 χ^2/NDF : 7606923.2/84

- sign 0.391 ± 0.000 χ^2/NDF : 3571574.0/42

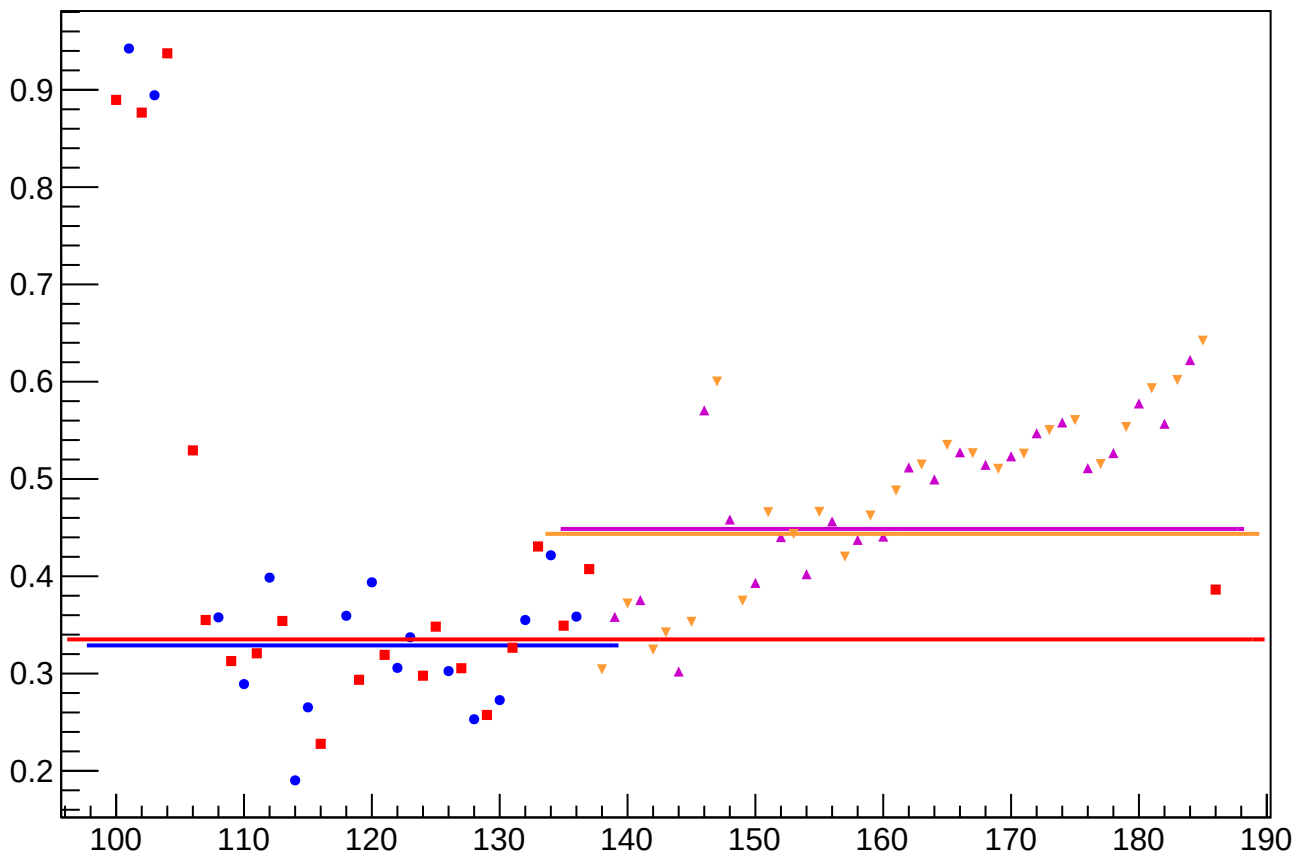
yield_bcm_dg_us_mean vs Slug



Right In: 144.101 $\pm$ 0.000 χ^2/NDF : 3163250979.7/16
 Left Out: 147.255 $\pm$ 0.000 χ^2/NDF : 262138049.8/24
 Right Out: 143.709 $\pm$ 0.000 χ^2/NDF : 5819564853.4/19
 Left In: 146.695 $\pm$ 0.000 χ^2/NDF : 557896803.1/22

+ sign 146.091 $\pm$ 0.000 χ^2/NDF : 3744964362.2/41
 All: 145.793 $\pm$ 0.000 χ^2/NDF : 10440537783.
 - sign 145.491 $\pm$ 0.000 χ^2/NDF : 6670871523.9/42

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1259207.9/16

Left Out: 0.444 ± 0.000 χ^2/NDF : 1483434.7/24

Right Out: 0.335 ± 0.000 χ^2/NDF : 1195083.7/19

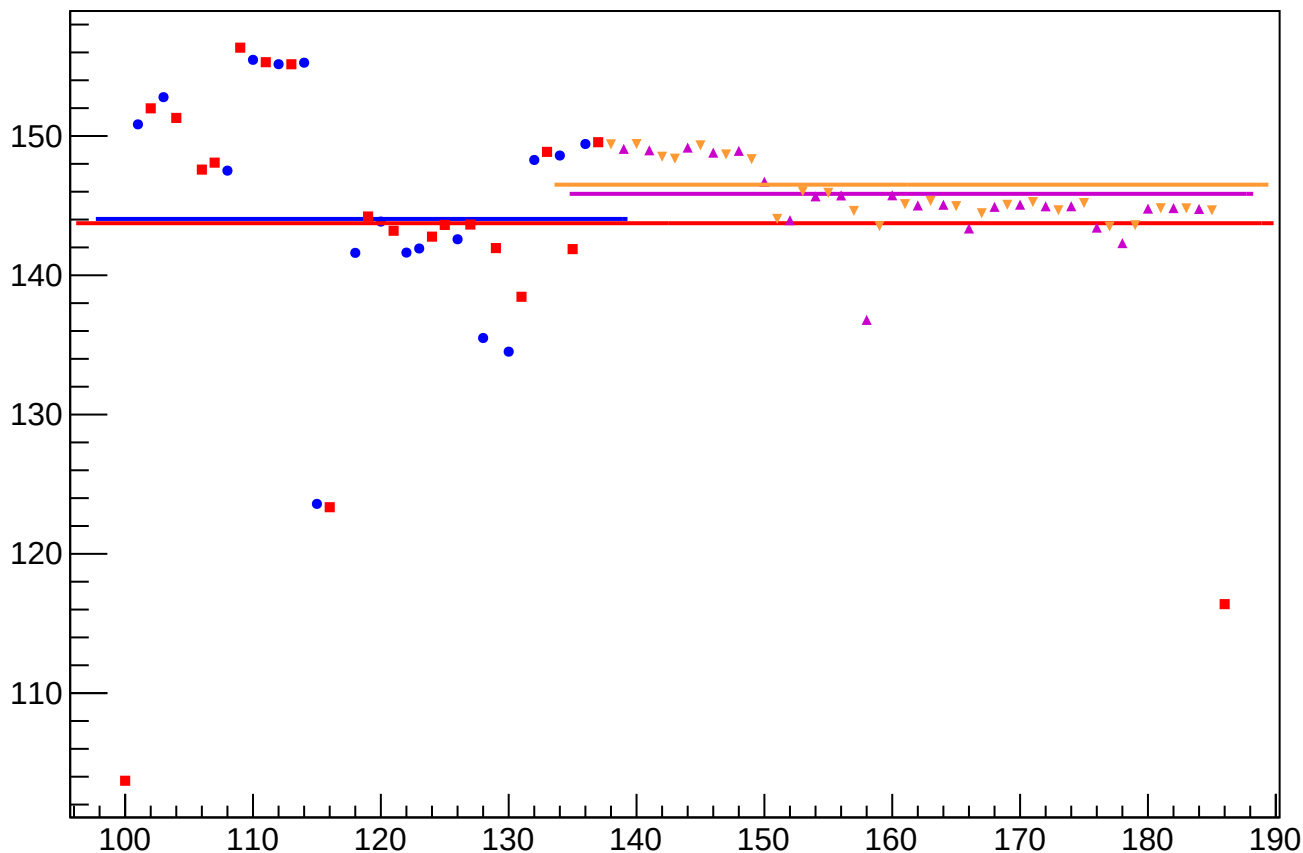
Left In: 0.449 ± 0.000 χ^2/NDF : 1132620.8/22

+ sign 0.401 ± 0.000 χ^2/NDF : 3587639.2/41

All: 0.402 ± 0.000 χ^2/NDF : 6763643.6/84

- sign 0.403 ± 0.000 χ^2/NDF : 3175653.7/42

yield_bcm_dg_ds_mean vs Slug



Right In: 144.046 $\pm$ 0.000 χ^2/NDF : 3282867390.8/16

Left Out: 146.505 $\pm$ 0.000 χ^2/NDF : 401688176.3/24

Right Out: 143.738 $\pm$ 0.000 χ^2/NDF : 5834953628.5/19

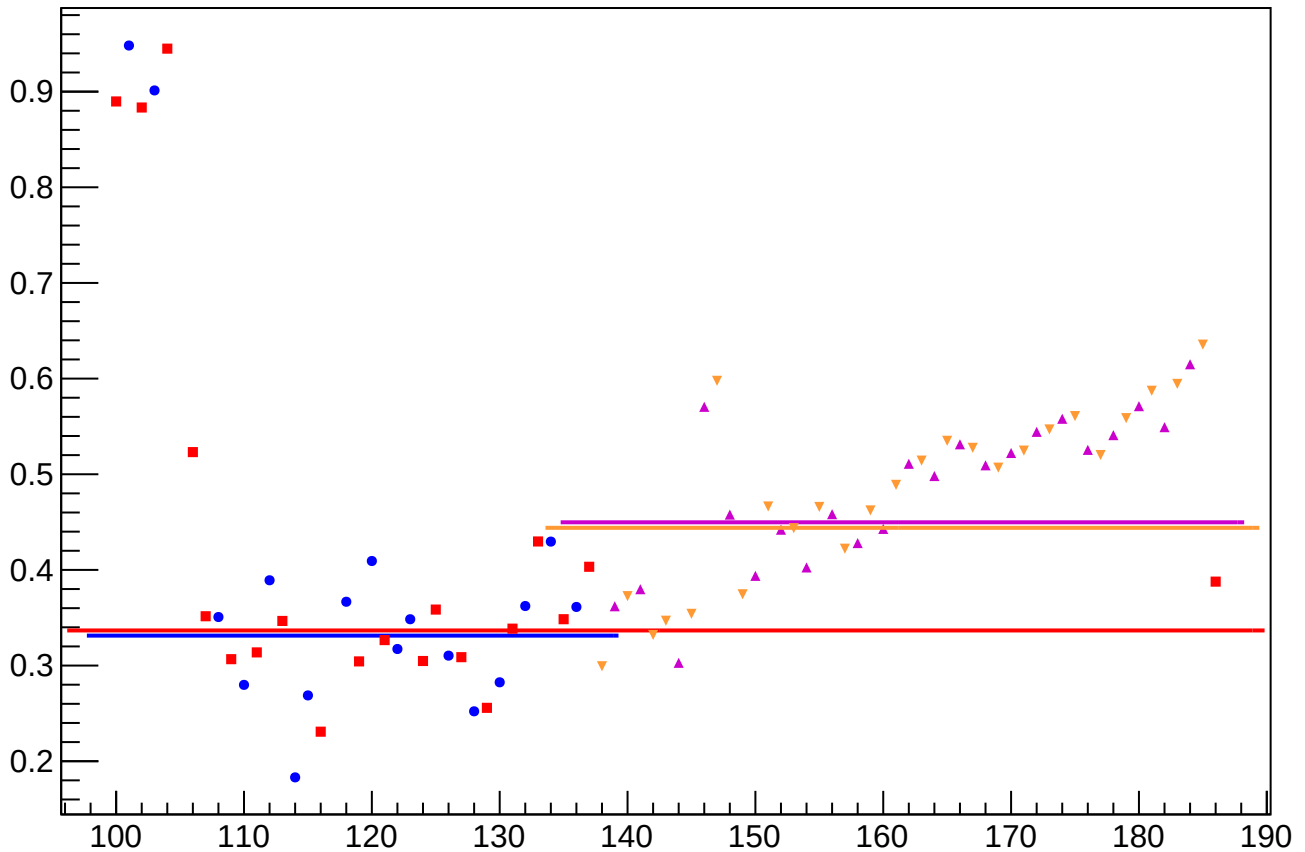
Left In: 145.847 $\pm$ 0.000 χ^2/NDF : 694764545.6/22

+ sign 145.607 $\pm$ 0.000 χ^2/NDF : 3876545236.4/41

All: 145.304 $\pm$ 0.000 χ^2/NDF : 10576352233.0

- sign 145.000 $\pm$ 0.000 χ^2/NDF : 6674704704.9/42

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 $\pm$ 0.000 χ^2 /NDF: 1275232.9/16

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1463293.5/24

Right Out: 0.337 $\pm$ 0.000 χ^2 /NDF: 1183501.6/19

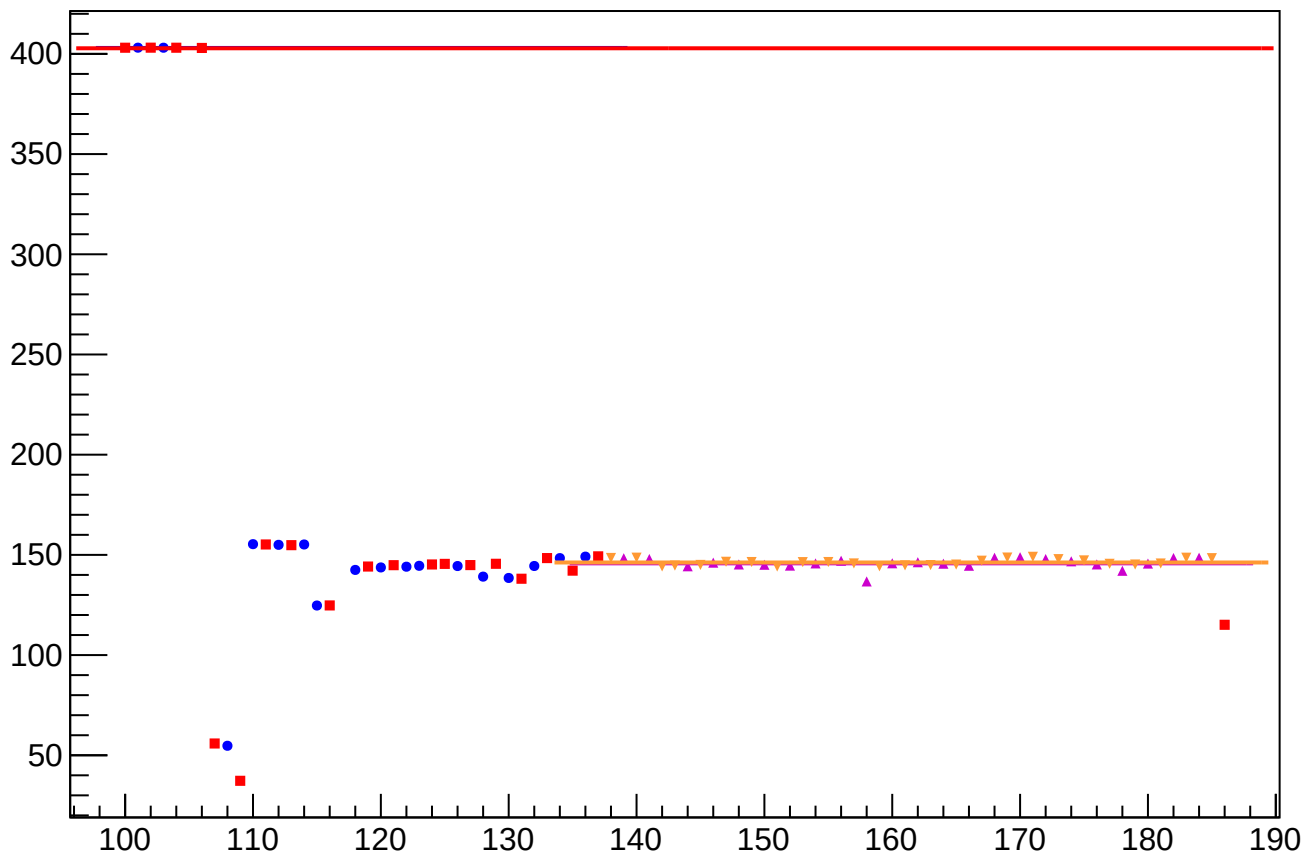
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

+ sign 0.403 $\pm$ 0.000 χ^2 /NDF: 3544852.8/41

All: 0.404 $\pm$ 0.000 χ^2 /NDF: 6667879.7/84

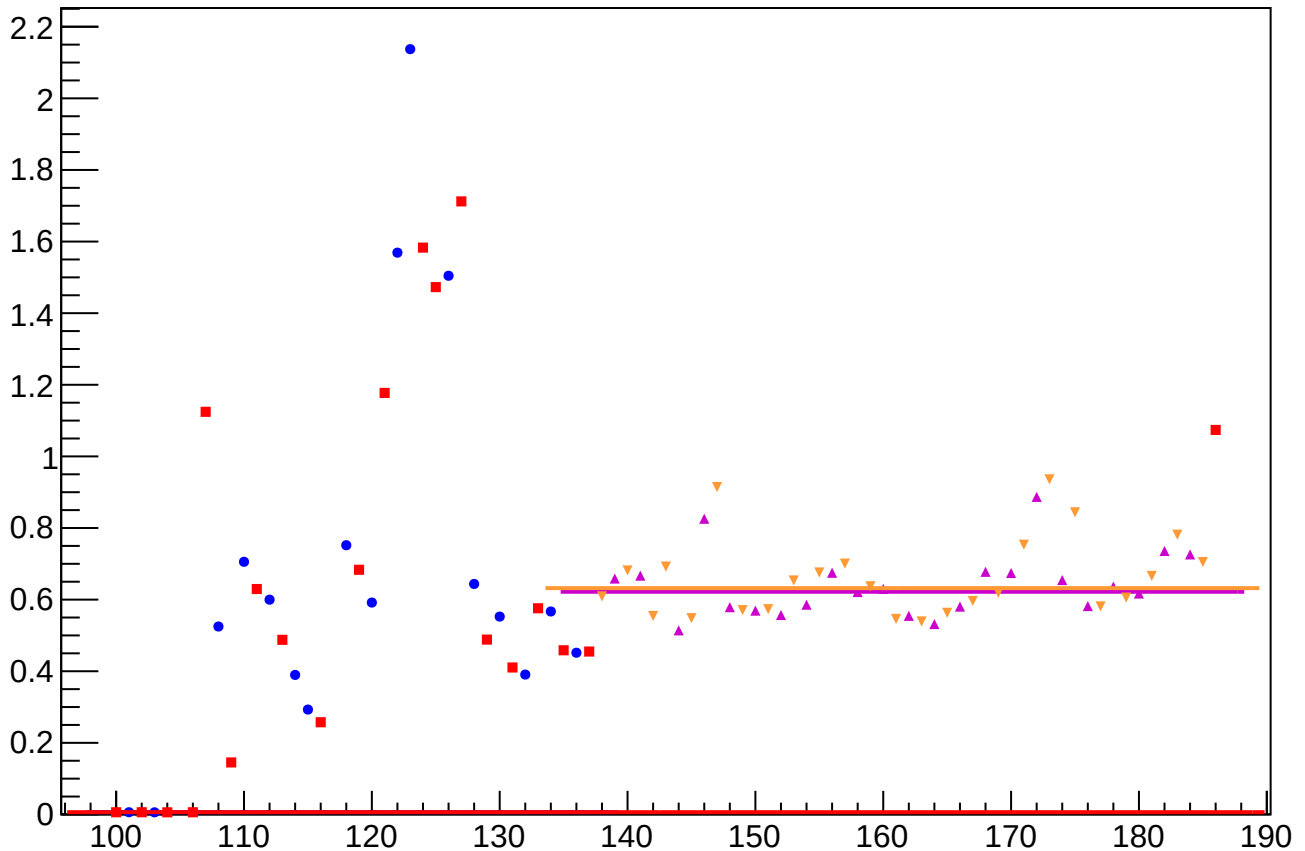
- sign 0.404 $\pm$ 0.000 χ^2 /NDF: 3122716.1/42

yield_cav4bQ_mean vs Slug



Right In: 402.957 $\pm$ 0.000 χ^2 /NDF: 1095567172365.3/16
 Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24
 Right Out: 402.796 $\pm$ 0.000 χ^2 /NDF: 3127606048178.3/19
 Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 9047828.5/16

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF: 614155.9/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 9792241.8/19

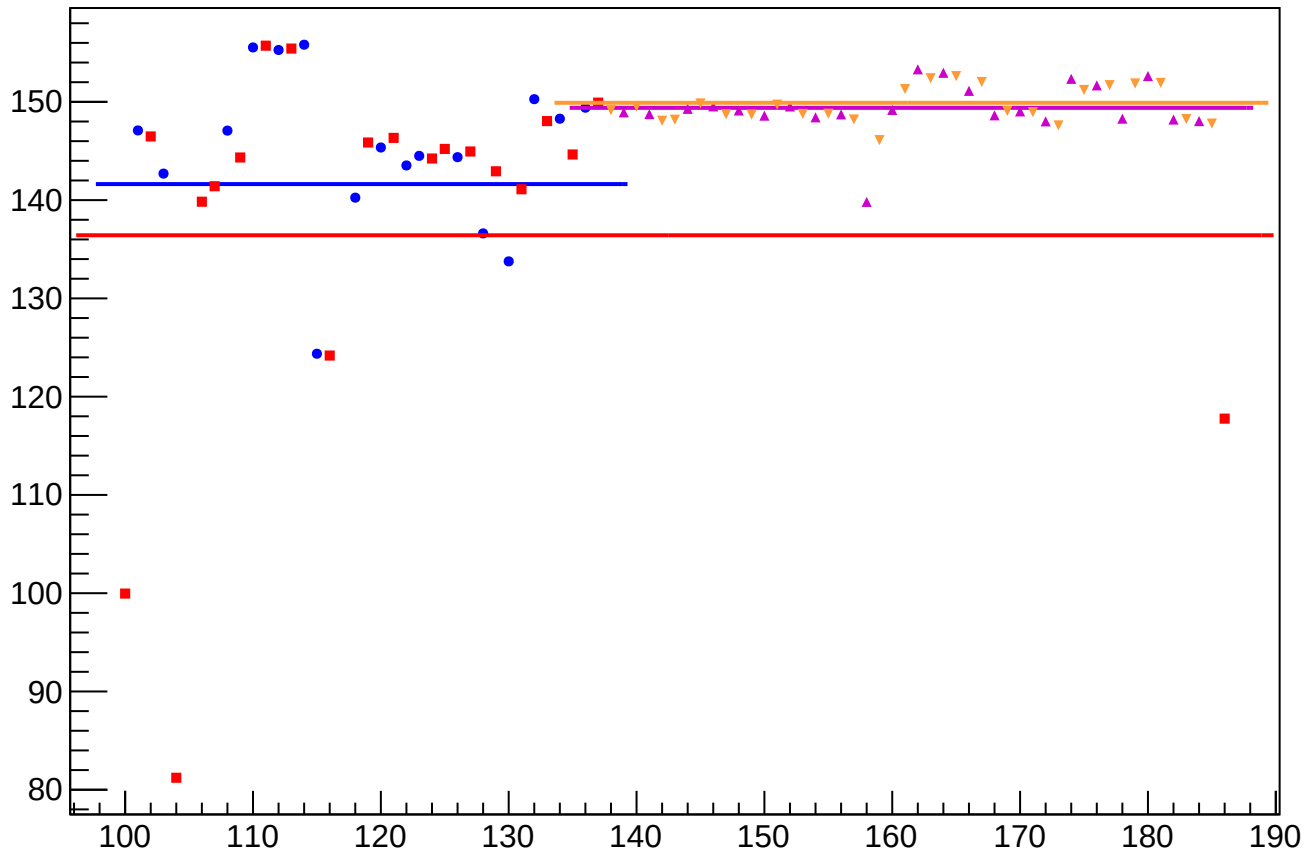
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF: 404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 37841520.3/41

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 74968492.9/84

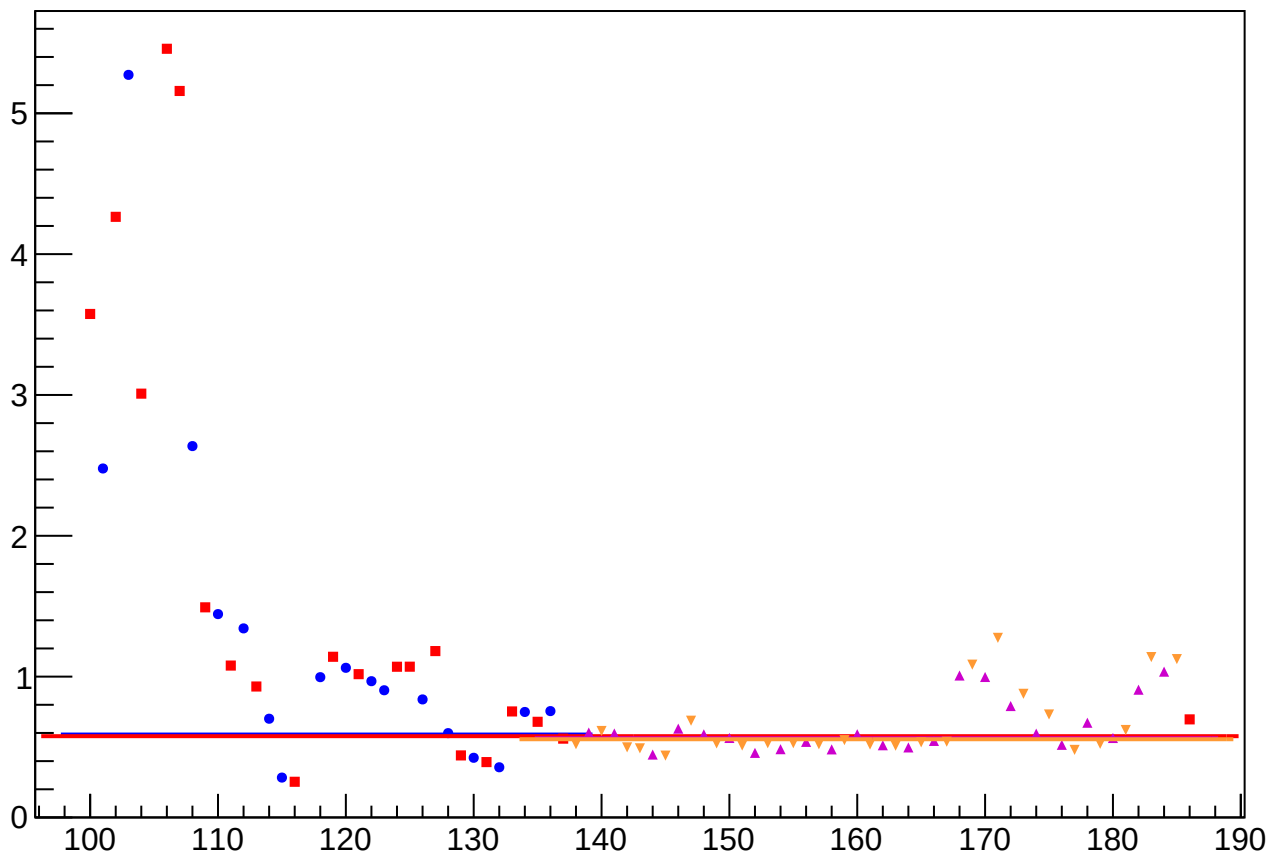
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 37126613.1/42

yield_cav4cQ_mean vs Slug



Right In: 141.632 $\pm$ 0.000	χ^2 /NDF: 977430315.6/16	+ sign 148.535 $\pm$ 0.000	χ^2 /NDF: 1718270432.4/41
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.750 $\pm$ 0.000	χ^2 /NDF: 5301180826.7
Right Out: 136.425 $\pm$ 0.000	χ^2 /NDF: 1552516405.5/19	- sign 146.933 $\pm$ 0.000	χ^2 /NDF: 3506110924.5/42
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.589 $\pm$ 0.000 χ^2 /NDF: 3472432.4/16

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773380.1/24

Right Out: 0.577 $\pm$ 0.000 χ^2 /NDF: 4665572.9/19

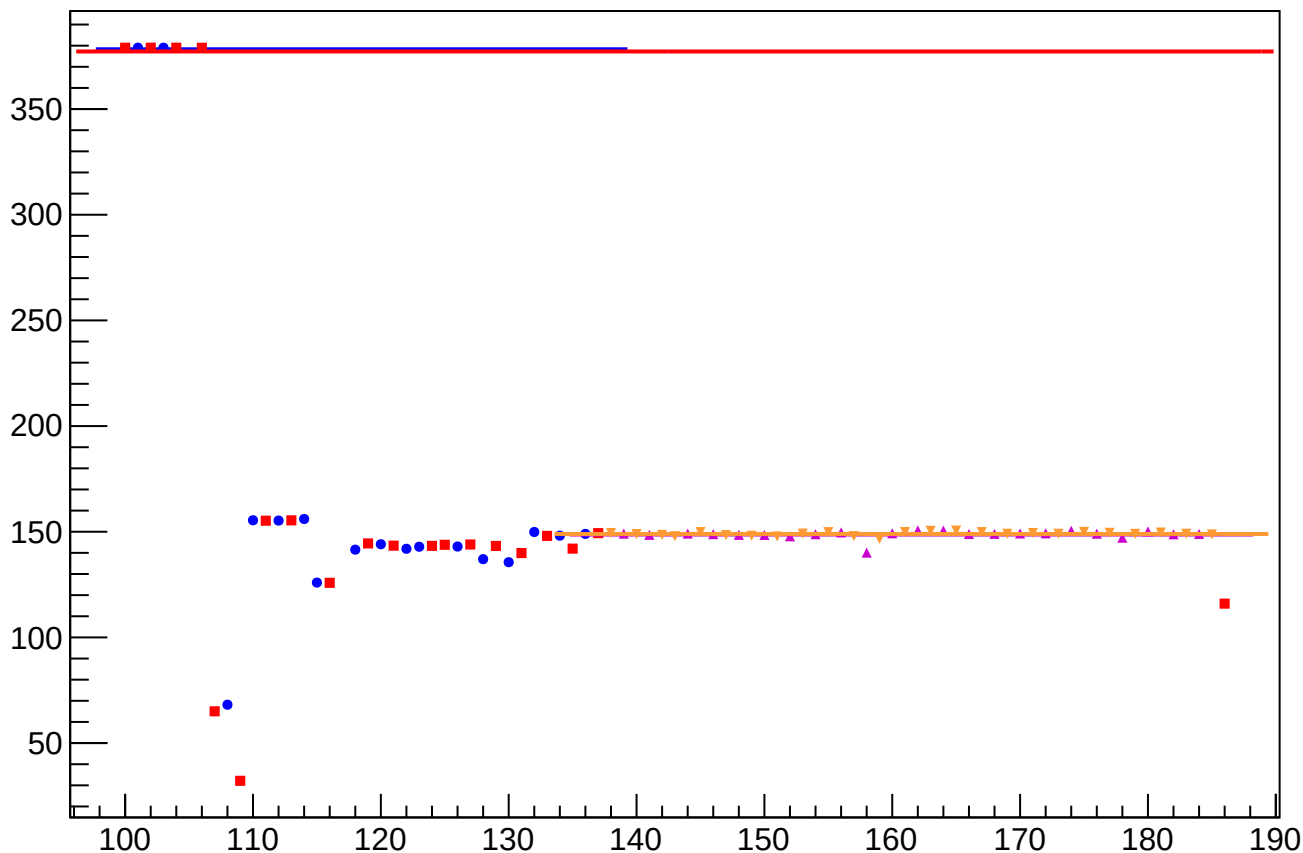
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1311075.2/22

+ sign 0.561 $\pm$ 0.000 χ^2 /NDF: 5264512.7/41

All: 0.563 $\pm$ 0.000 χ^2 /NDF: 11246212.7/84

- sign 0.565 $\pm$ 0.000 χ^2 /NDF: 5980737.1/42

yield_cav4dQ_mean vs Slug



Right In: 378.290+/-0.000 χ^2/NDF : 2485728057854.8/16

Left Out: 148.946+/-0.000 χ^2/NDF : 63974844.7/24

Right Out: 377.256+/-0.000 χ^2/NDF : 8408997383265.7/19

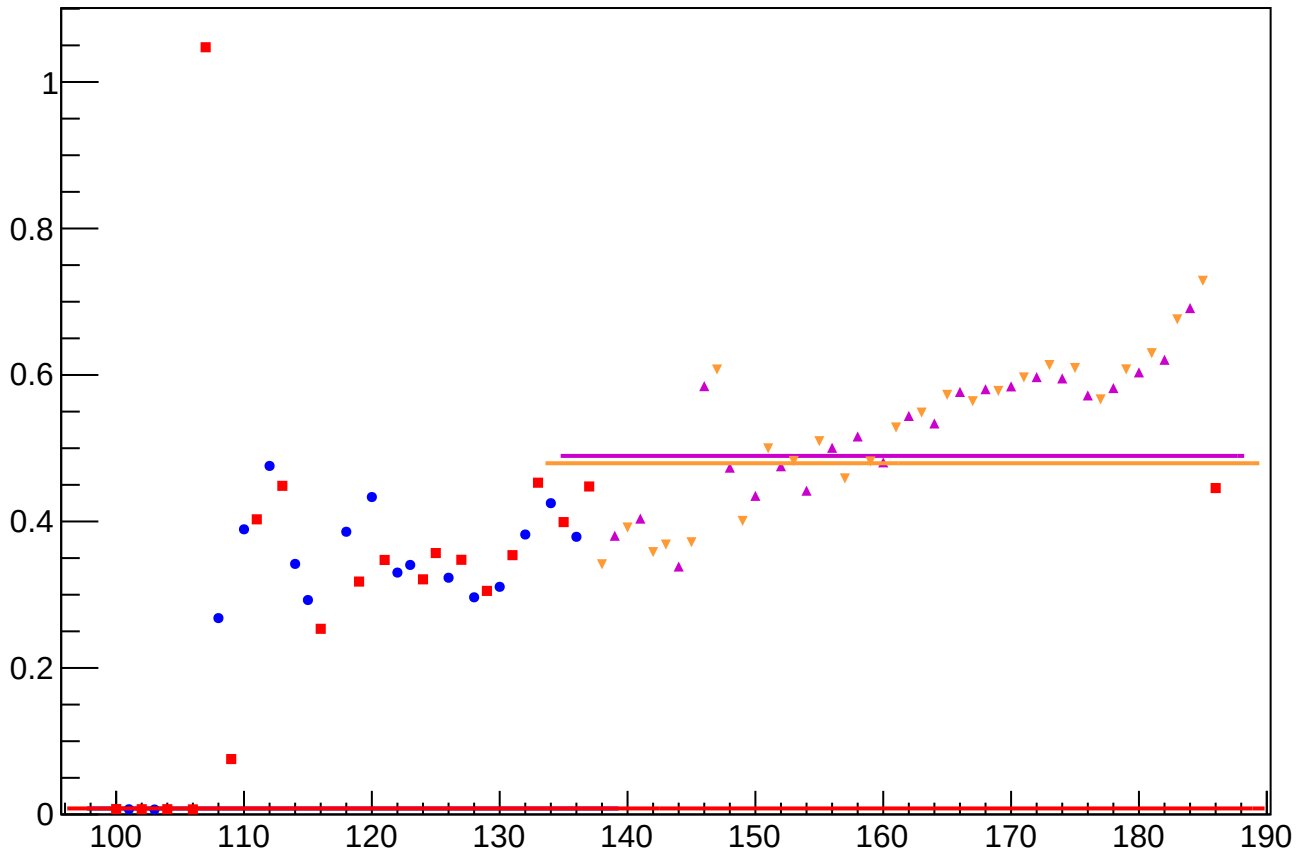
Left In: 148.683+/-0.000 χ^2/NDF : 253848207.3/22

+ sign 377.008+/-0.000 χ^2/NDF : 6401298599310.1

All: 376.590+/-0.000 χ^2/NDF : 183988610832

- sign 376.224+/-0.000 χ^2/NDF : 11993182961166.4

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9762871.0/16

Left Out: 0.479+/-0.000 χ^2/NDF : 1518765.9/24

Right Out: 0.008+/-0.000 χ^2/NDF : 10179961.6/19

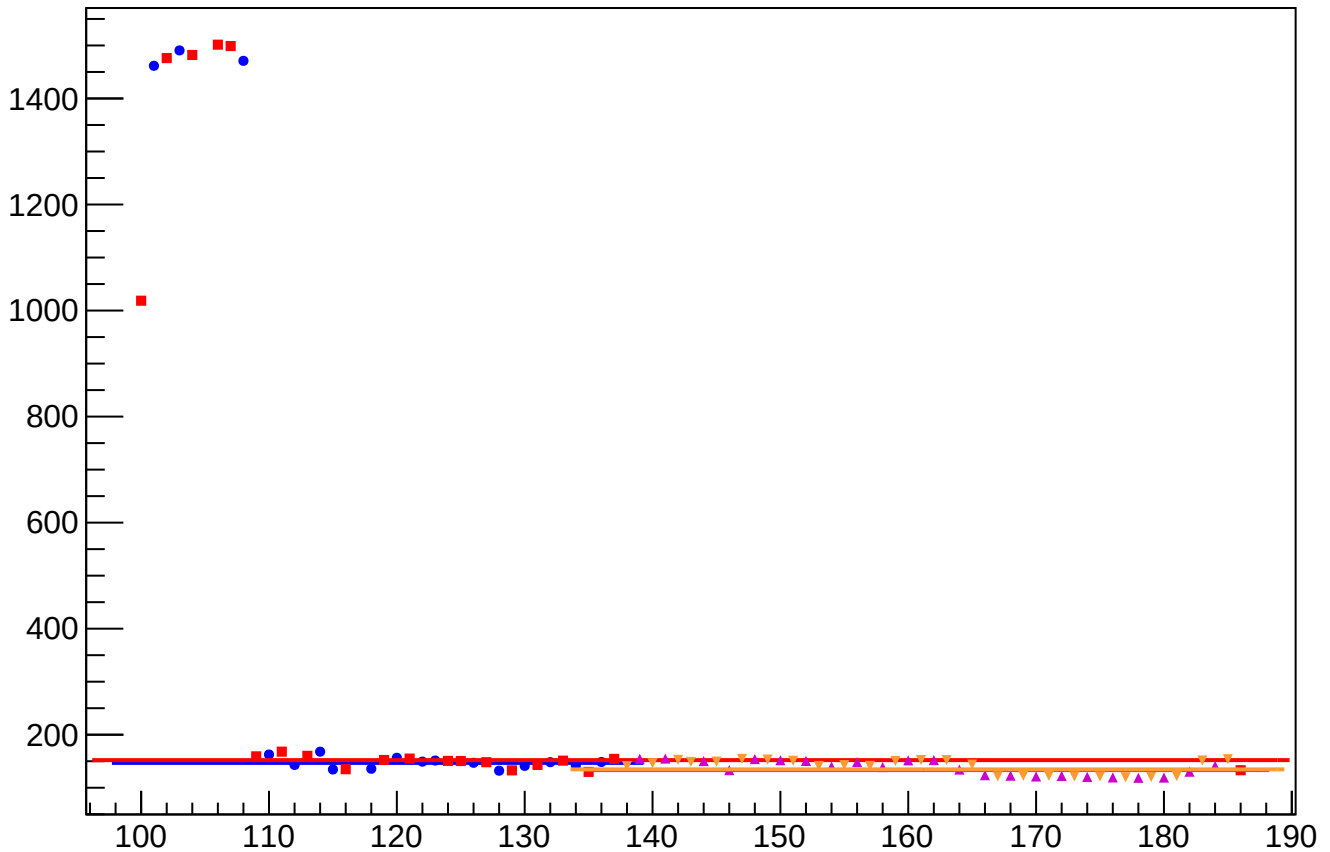
Left In: 0.490+/-0.000 χ^2/NDF : 1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 44362861.3/41

All: 0.011+/-0.000 χ^2/NDF : 87419328.6/84

- sign 0.010+/-0.000 χ^2/NDF : 43054420.3/42

yield_bcm0l02_mean vs Slug



Right In: 146.867 $\pm$ 0.000 χ^2/NDF : 24355015272.8/16

Left Out: 134.585 $\pm$ 0.000 χ^2/NDF : 4387324151.1/24

Right Out: 152.072 $\pm$ 0.000 χ^2/NDF : 33958775492.2/19

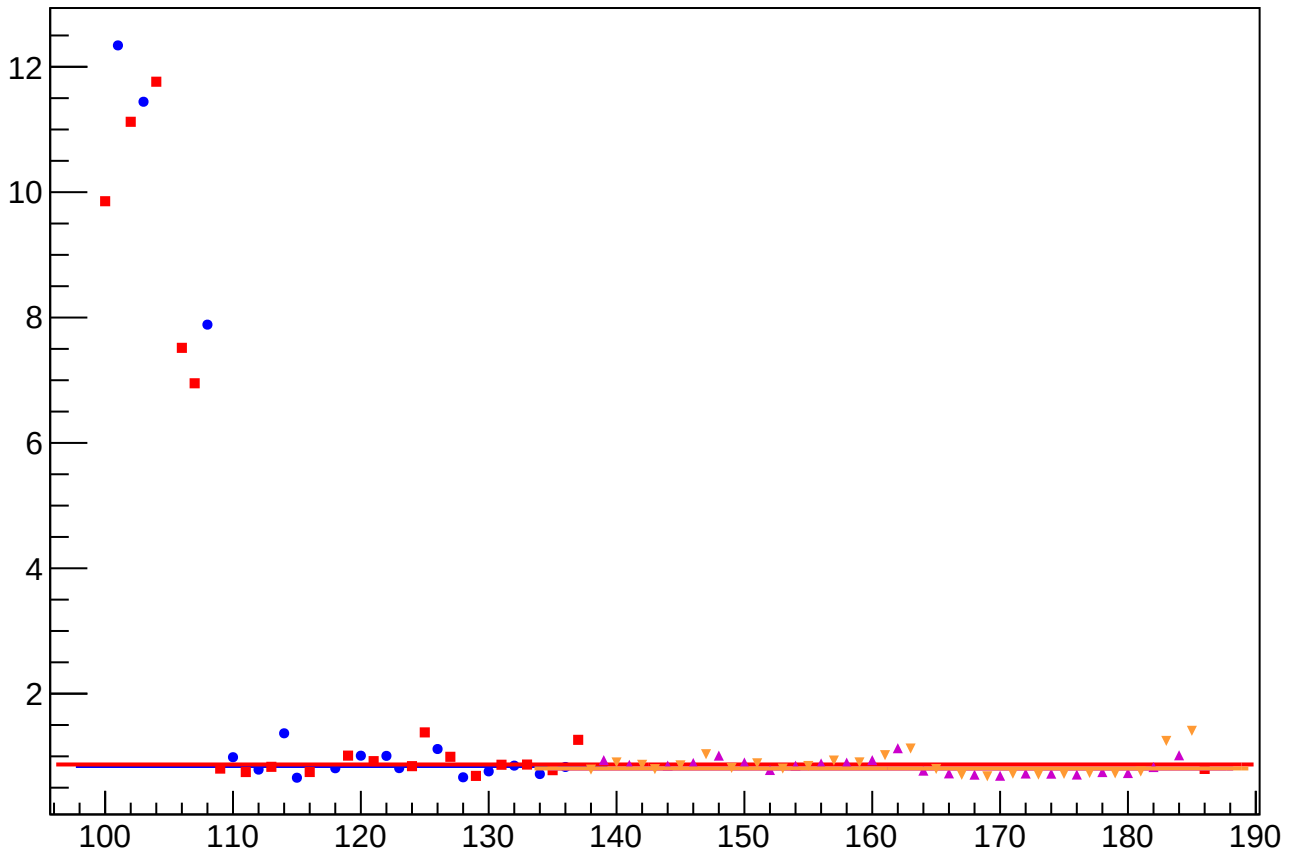
Left In: 133.309 $\pm$ 0.000 χ^2/NDF : 4353039408.6/22

+ sign 136.813 $\pm$ 0.000 χ^2/NDF : 29391953718.0/41

All: 136.935 $\pm$ 0.000 χ^2/NDF : 69318650970.0

- sign 137.058 $\pm$ 0.000 χ^2/NDF : 39925829085.9/42

yield_bcm0l02_rms vs Slug



Right In: 0.846+/-0.000 χ^2/NDF : 2668298.4/16

Left Out: 0.807+/-0.000 χ^2/NDF : 704181.3/24

Right Out: 0.870+/-0.000 χ^2/NDF : 2833593.7/19

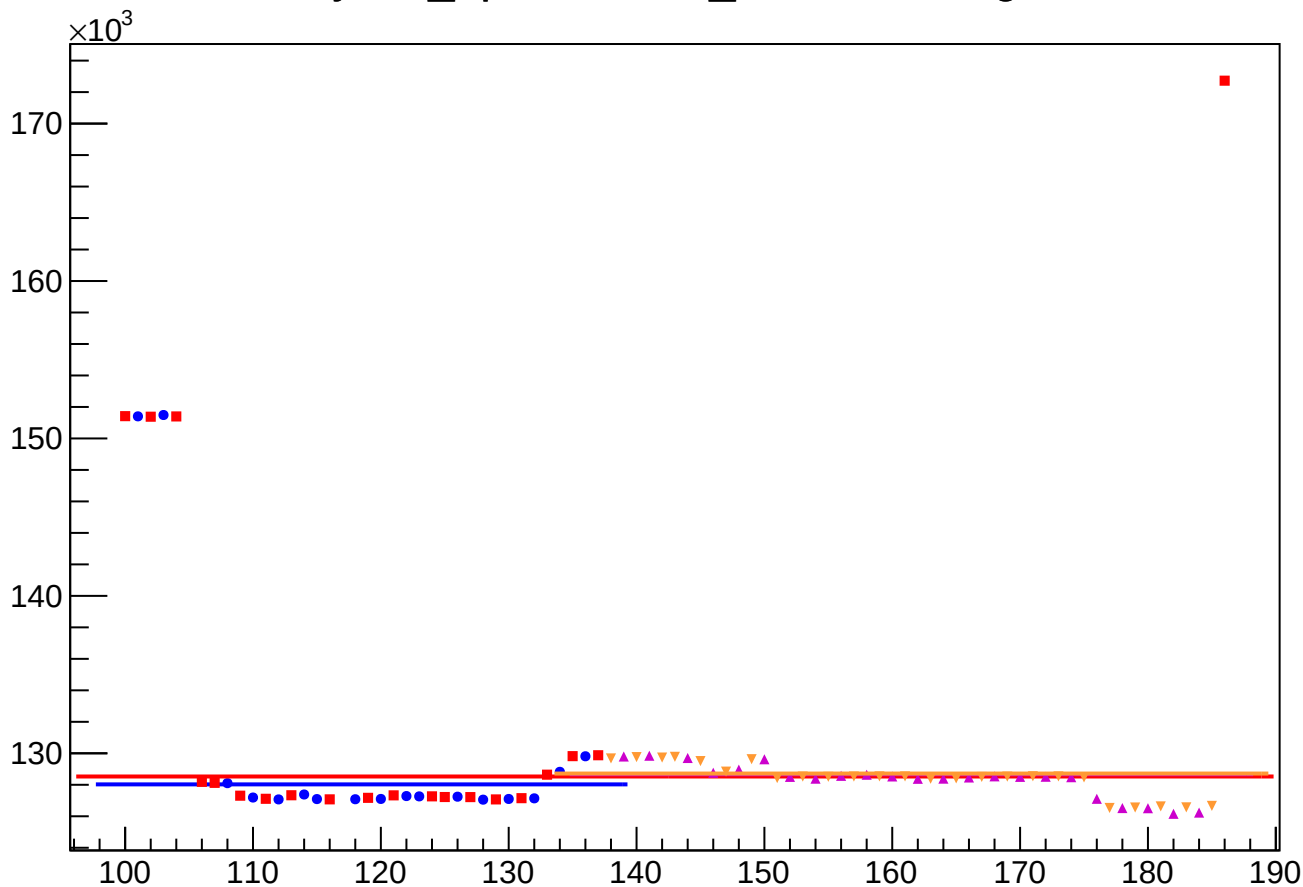
Left In: 0.805+/-0.000 χ^2/NDF : 479689.4/22

+ sign 0.814+/-0.000 χ^2/NDF : 3385961.4/41

All: 0.816+/-0.000 χ^2/NDF : 6739325.6/84

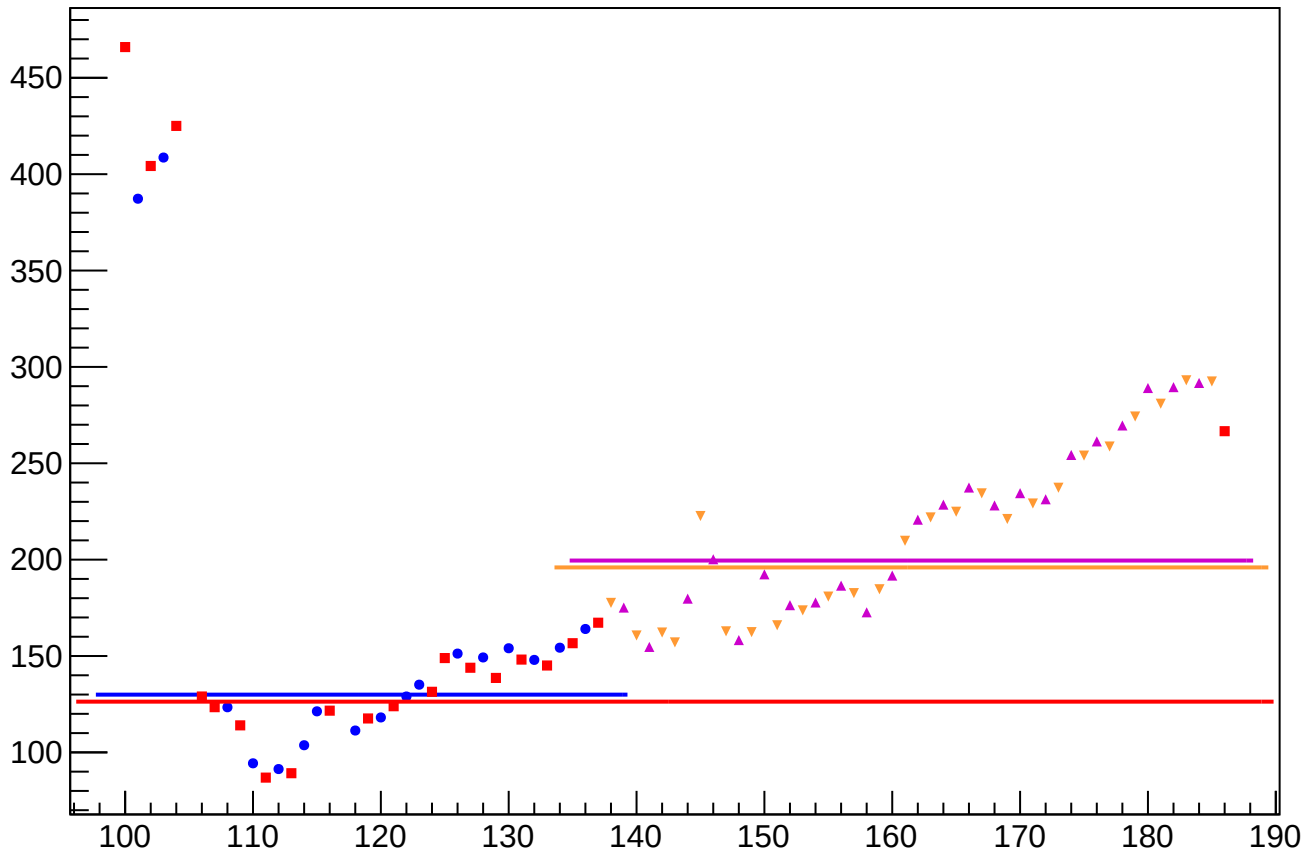
- sign 0.818+/-0.000 χ^2/NDF : 3352941.4/42

yield_bpm2i01WS_mean vs Slug



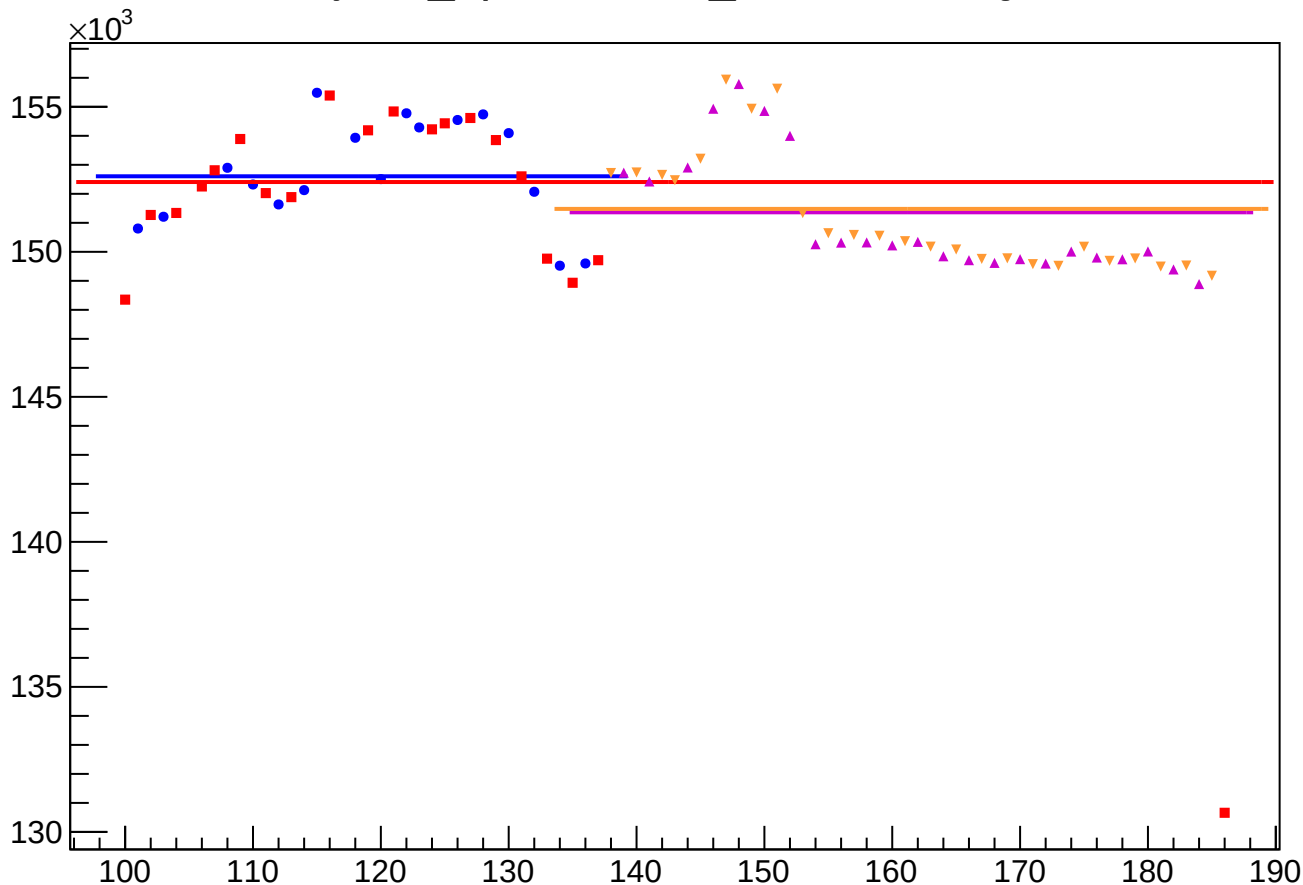
Right In: 128026.197 $\pm$ 0.055 χ^2 /NDF: 4315820742.0/16
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 128527.021 $\pm$ 0.050 χ^2 /NDF: 14341548187.9/19
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22
 + sign 128423.840 $\pm$ 0.035 χ^2 /NDF: 4755720151.2
 All: 128513.393 $\pm$ 0.025 χ^2 /NDF: 19448886
 - sign 128600.311 $\pm$ 0.035 χ^2 /NDF: 14680610378.0

yield_bpm2i01WS_rms vs Slug



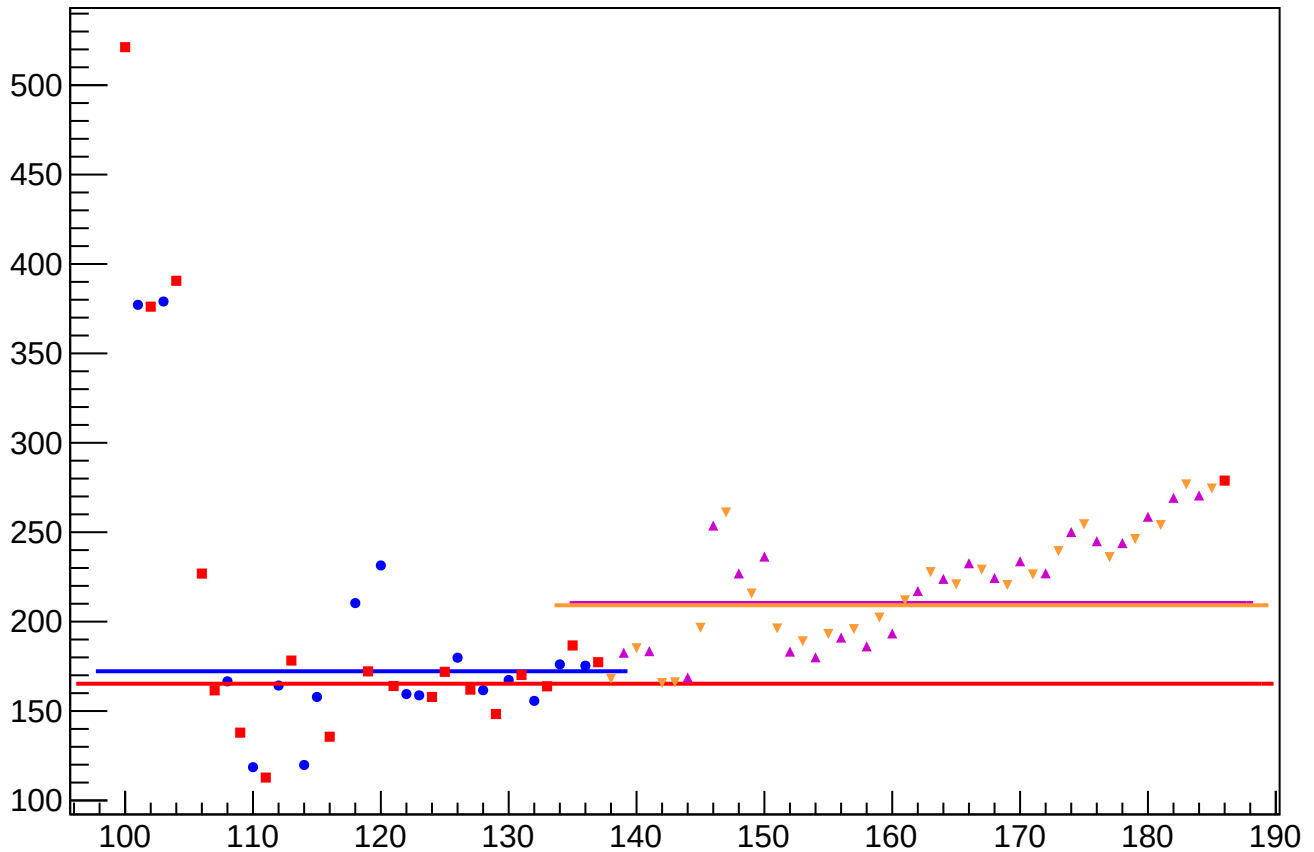
Right In: 129.956 $\pm$ 0.039	χ^2 /NDF: 1484094.0/16	+ sign 168.129 $\pm$ 0.025	χ^2 /NDF: 4488582.6/41
Left Out: 195.964 $\pm$ 0.033	χ^2 /NDF: 1316091.7/24	All: 165.944 $\pm$ 0.018	χ^2 /NDF: 9610186.1/84
Right Out: 126.322 $\pm$ 0.035	χ^2 /NDF: 1738914.2/19	- sign 163.824 $\pm$ 0.025	χ^2 /NDF: 5106654.1/42
Left In: 199.531 $\pm$ 0.035	χ^2 /NDF: 1175342.5/22		

yield_bpm0i07WS_mean vs Slug



Right In: 152604.581 $\pm$ 0.072 χ^2 /NDF: 618623287.4/16
 Left Out: 151480.339 $\pm$ 0.049 χ^2 /NDF: 1483692735.3/24
 Right Out: 152406.612 $\pm$ 0.066 χ^2 /NDF: 3076155223.3/19
 Left In: 151362.440 $\pm$ 0.051 χ^2 /NDF: 1426782789.9/22
 All: 151797.950 $\pm$ 0.029 χ^2 /NDF: 692925493
 + sign 151838.333 $\pm$ 0.041 χ^2 /NDF: 2266760122.1
 - sign 151758.526 $\pm$ 0.040 χ^2 /NDF: 4660562760.2

yield_bpm0i07WS_rms vs Slug



Right In: 172.246 ± 0.051 χ^2/NDF : 925645.6/16

Left Out: 209.156 ± 0.035 χ^2/NDF : 710094.9/24

Right Out: 165.276 ± 0.046 χ^2/NDF : 1159880.0/19

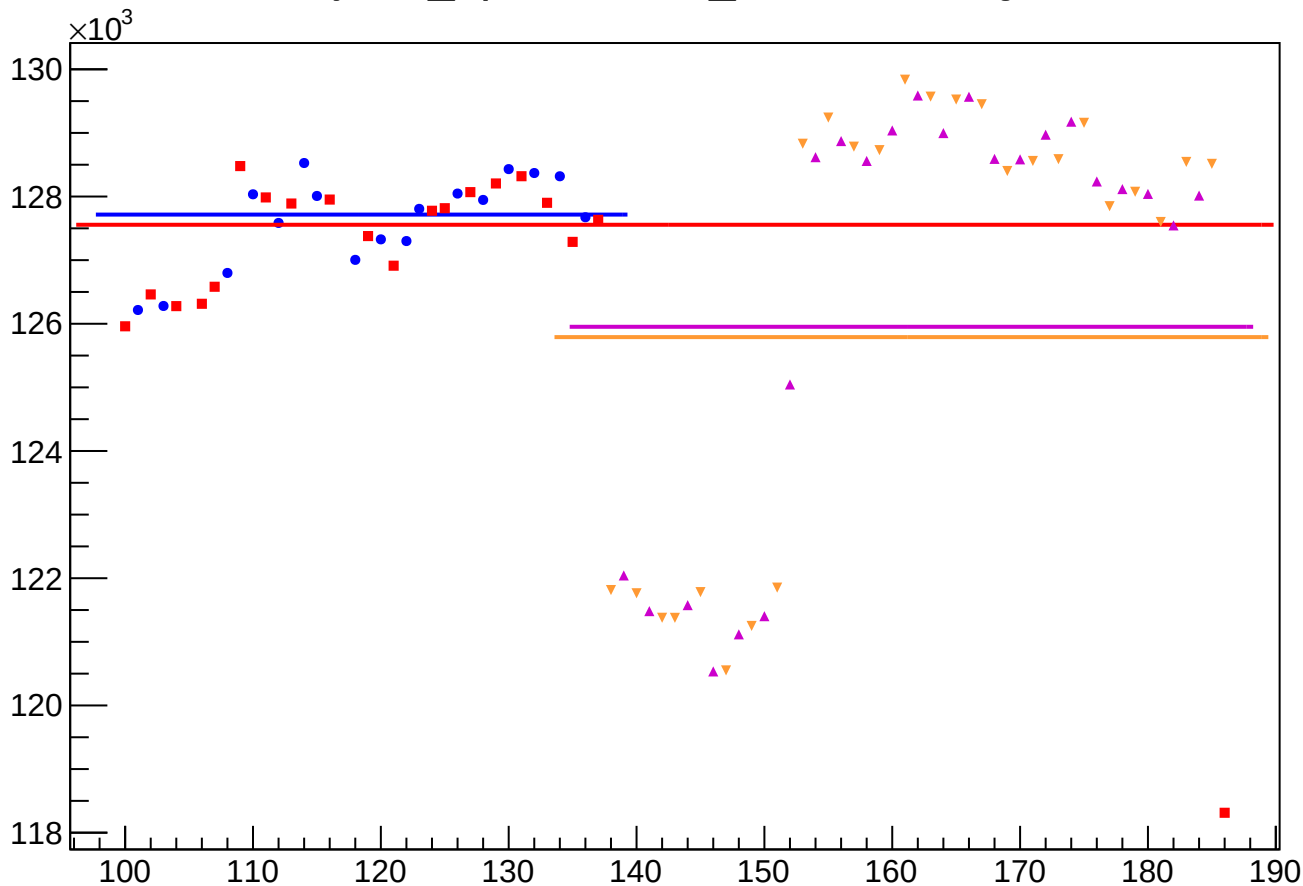
Left In: 210.431 ± 0.036 χ^2/NDF : 684015.0/22

+ sign 197.402 ± 0.029 χ^2/NDF : 1990234.8/41

All: 195.328 ± 0.020 χ^2/NDF : 4433863.2/84

- sign 193.302 ± 0.029 χ^2/NDF : 2433429.3/42

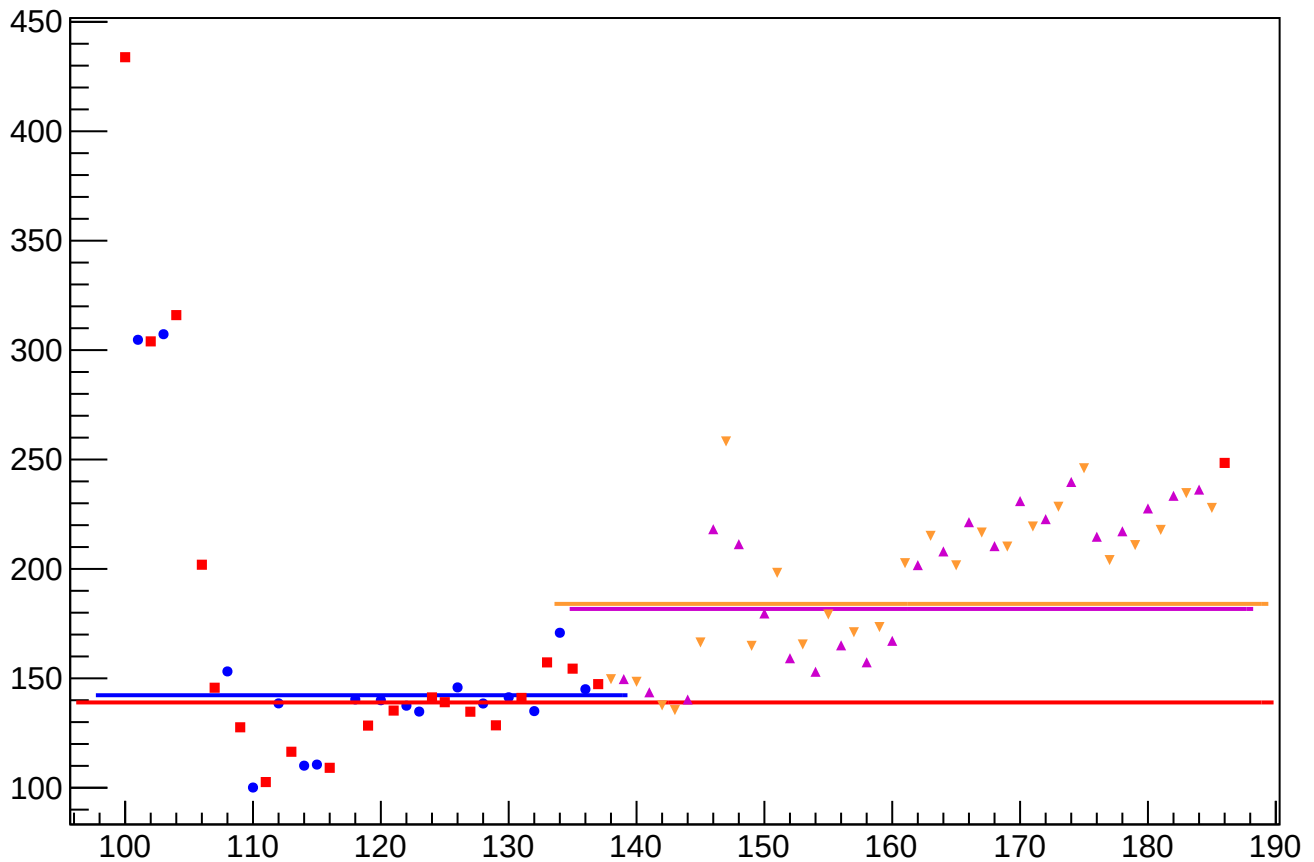
yield_bpm0l01WS_mean vs Slug



Right In: 127716.166 $\pm$ 0.058 χ^2 /NDF: 94931980.7/16
 Left Out: 125790.126 $\pm$ 0.044 χ^2 /NDF: 6744310079.8/24
 Right Out: 127556.176 $\pm$ 0.054 χ^2 /NDF: 645224567.4/19
 Left In: 125952.447 $\pm$ 0.045 χ^2 /NDF: 5841800367.5/22

+ sign 126486.610 $\pm$ 0.035 χ^2 /NDF: 7533369874.4
 All: 126546.016 $\pm$ 0.025 χ^2 /NDF: 145491093
 - sign 126603.098 $\pm$ 0.034 χ^2 /NDF: 7010130197.7

yield_bpm0l01WS_rms vs Slug



Right In: 142.282 $\pm$ 0.041 χ^2 /NDF: 836459.8/16

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF: 1126592.5/24

Right Out: 138.983 $\pm$ 0.038 χ^2 /NDF: 1106282.7/19

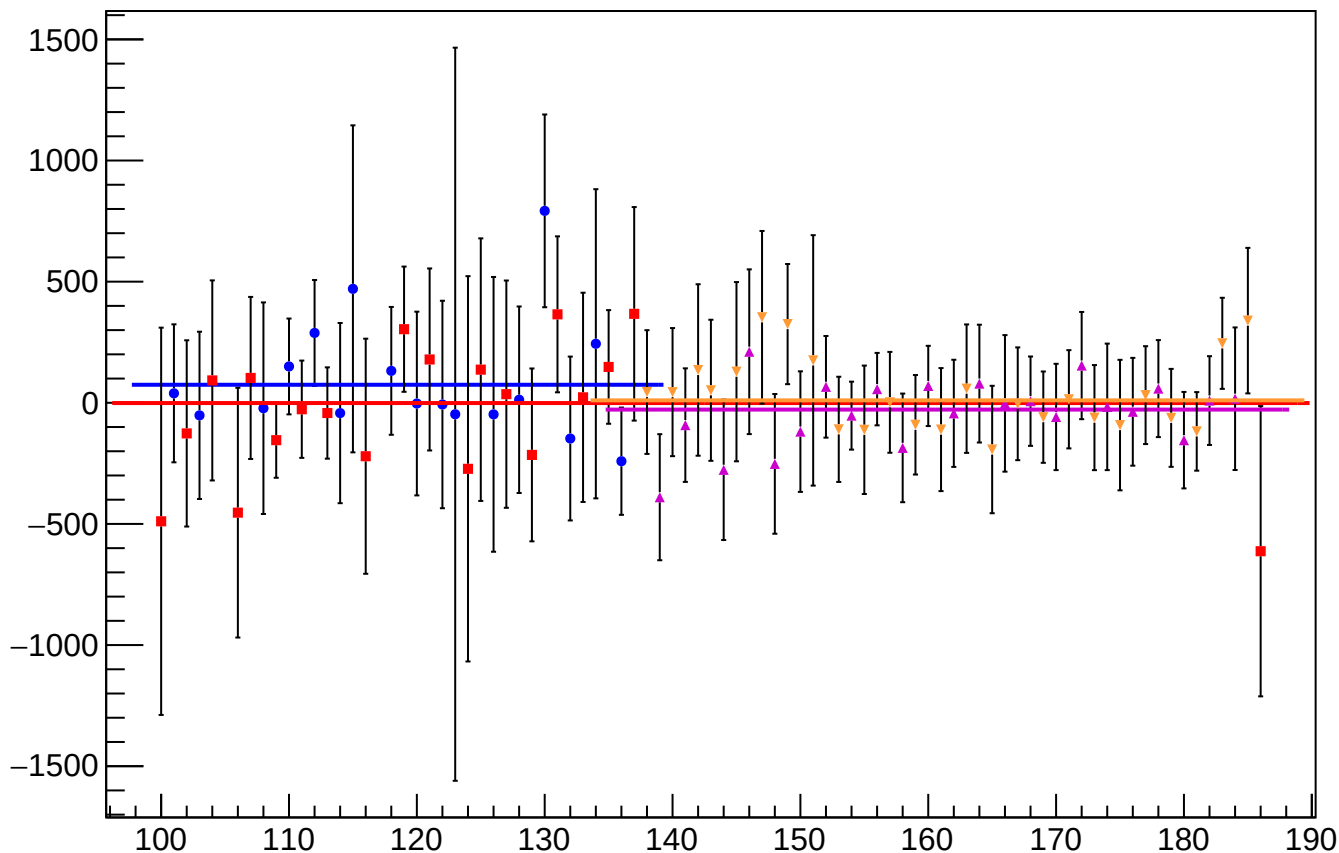
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 168.933 $\pm$ 0.025 χ^2 /NDF: 2615280.0/41

All: 166.610 $\pm$ 0.017 χ^2 /NDF: 5597595.1/84

- sign 164.378 $\pm$ 0.024 χ^2 /NDF: 2965161.5/42

asym_bcm_an_ds_mean vs Slug



Right In: 74.411+/-79.831 χ^2/NDF : 7.7/16

Left Out: 10.078+/-47.488 χ^2/NDF : 8.5/24

Right Out: -1.048+/-69.635 χ^2/NDF : 8.2/19

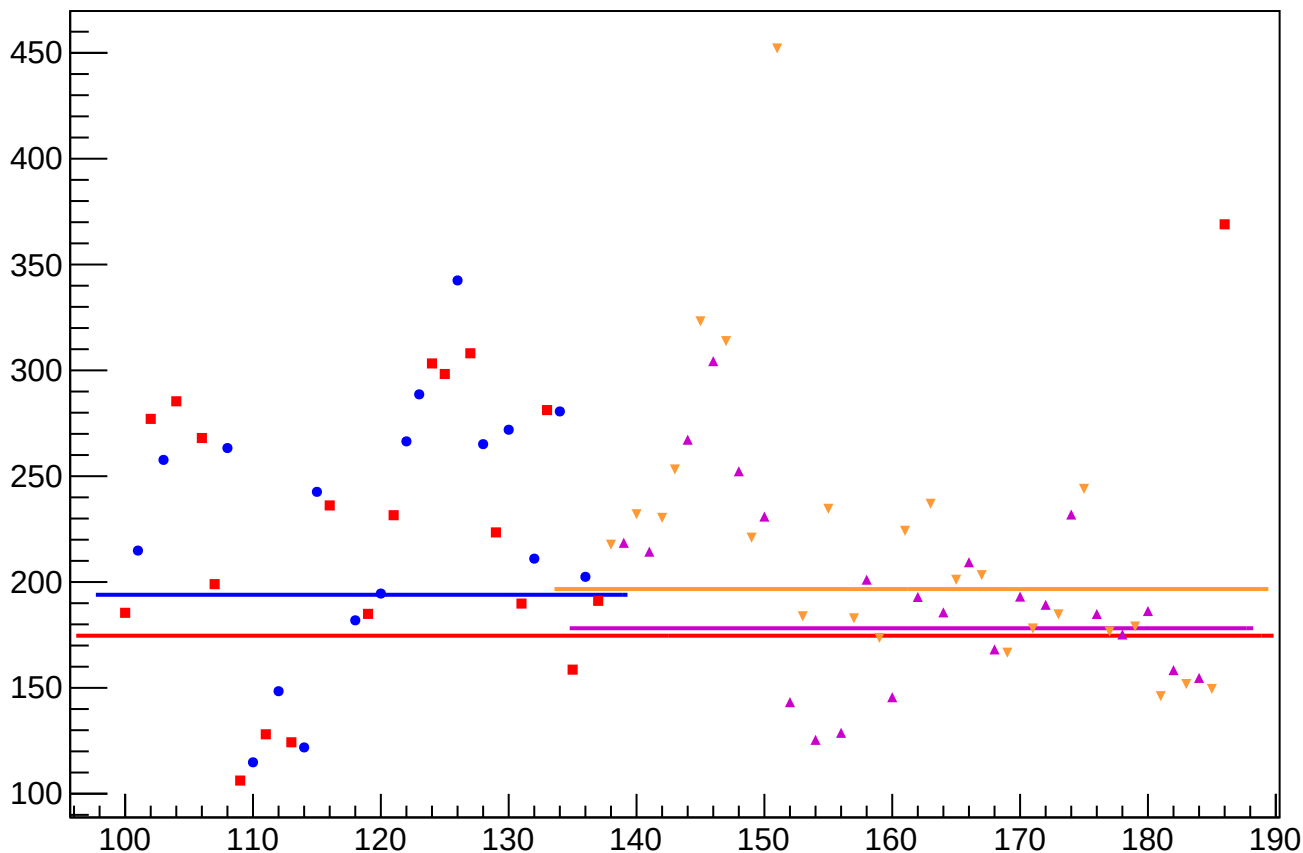
Left In: -28.050+/-44.573 χ^2/NDF : 7.0/22

+ sign 26.893+/-40.813 χ^2/NDF : 16.7/41

All: 1.382+/-27.630 χ^2/NDF : 32.7/84

- sign -20.202+/-37.541 χ^2/NDF : 15.3/42

asym_bcm_an_ds_rms vs Slug



Right In: 193.981 $\pm$ 0.056 χ^2 /NDF: 1018863.8/16

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 174.644 $\pm$ 0.049 χ^2 /NDF: 1787975.5/19

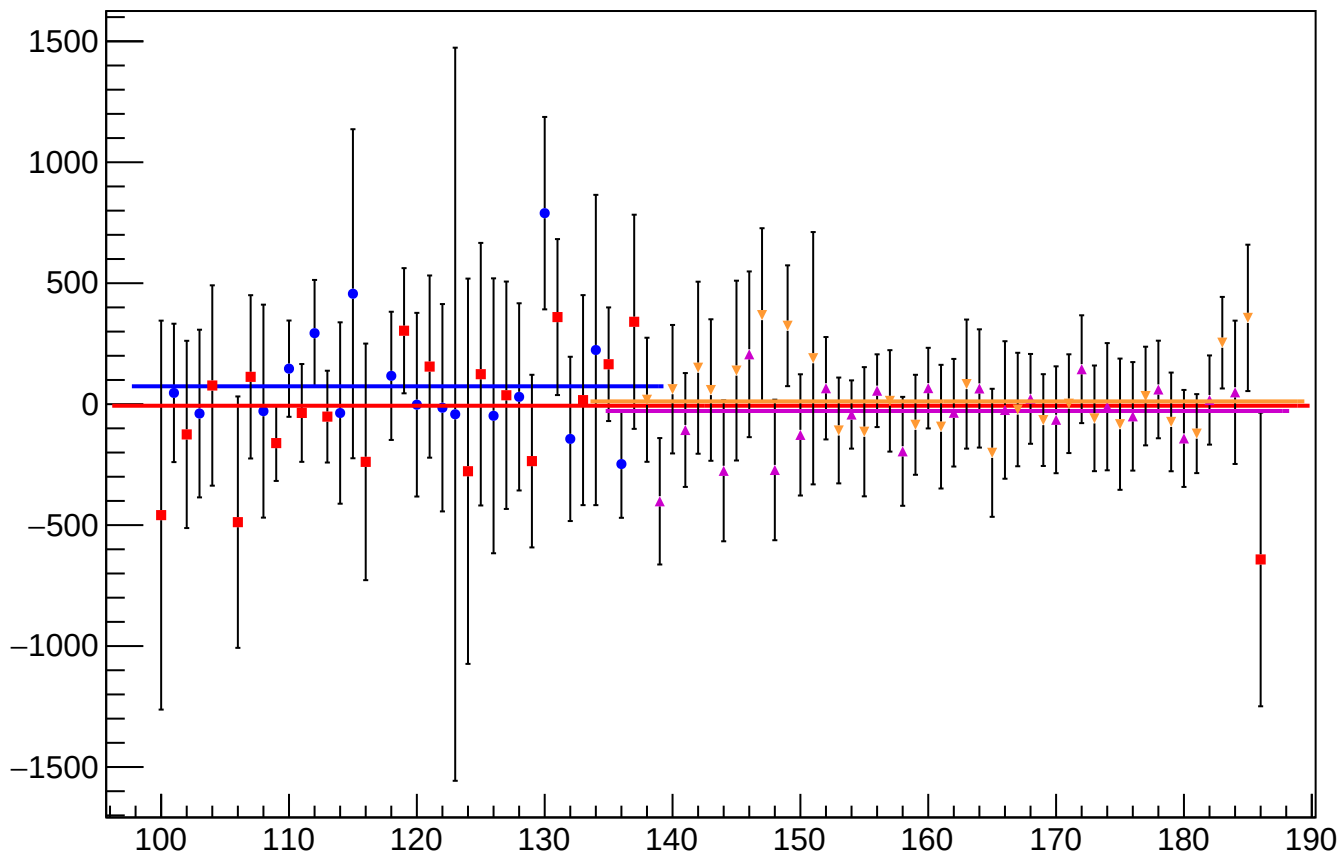
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 195.976 $\pm$ 0.029 χ^2 /NDF: 2803270.4/41

All: 185.774 $\pm$ 0.020 χ^2 /NDF: 6444541.7/84

- sign 177.142 $\pm$ 0.027 χ^2 /NDF: 3410571.4/42

asym_bcm_an_ds3_mean vs Slug



Right In: 73.870 $\pm$ 80.221 χ^2 /NDF: 7.7/16

Left Out: 11.479 $\pm$ 47.819 χ^2 /NDF: 8.8/24

Right Out: -6.525 $\pm$ 70.010 χ^2 /NDF: 8.5/19

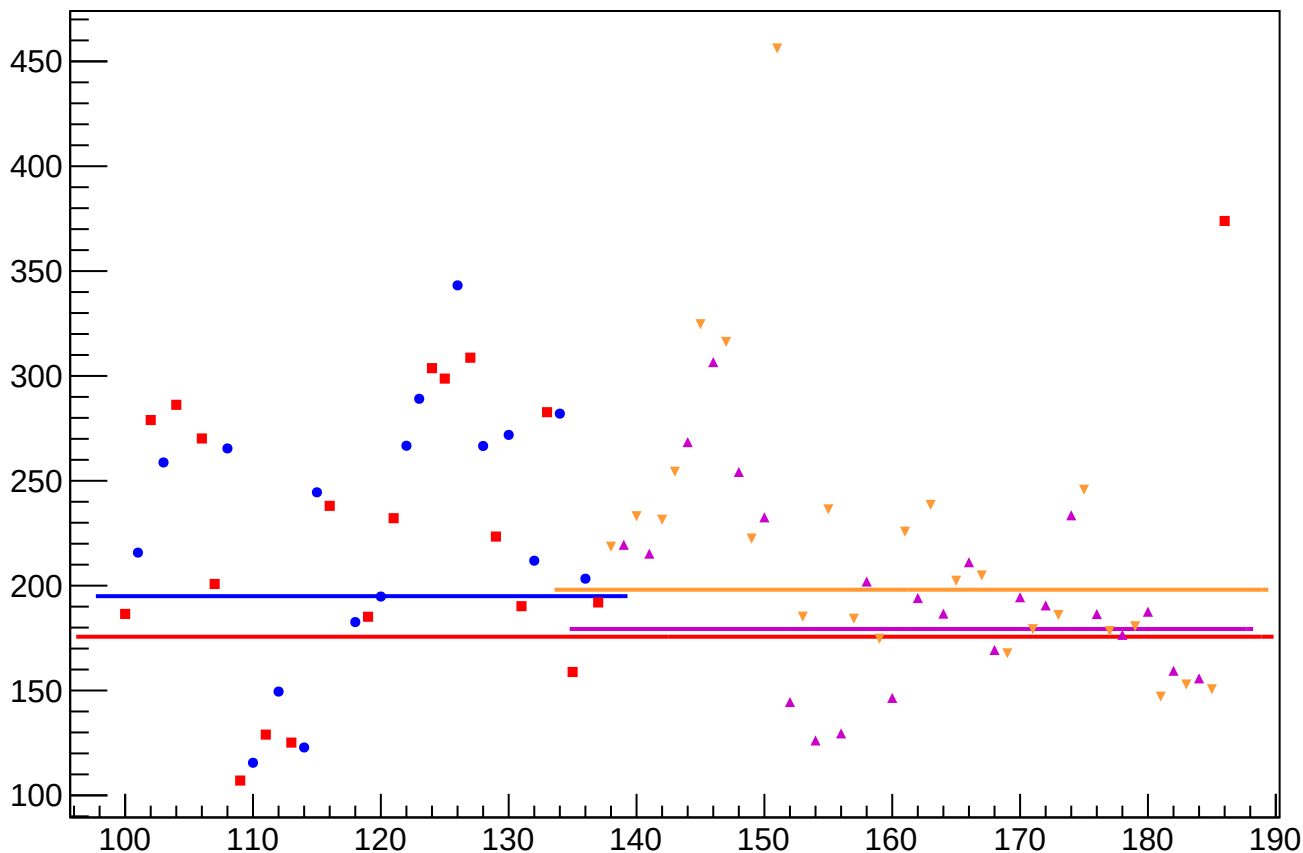
Left In: -28.280 $\pm$ 44.863 χ^2 /NDF: 7.1/22

+ sign 27.836 $\pm$ 41.075 χ^2 /NDF: 17.0/41

All: 0.863 $\pm$ 27.804 χ^2 /NDF: 33.4/84

- sign -21.947 $\pm$ 37.773 χ^2 /NDF: 15.6/42

asym_bcm_an_ds3_rms vs Slug



Right In: 194.991 $\pm$ 0.057 χ^2 /NDF: 1010319.8/16

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 175.645 $\pm$ 0.050 χ^2 /NDF: 1778526.3/19

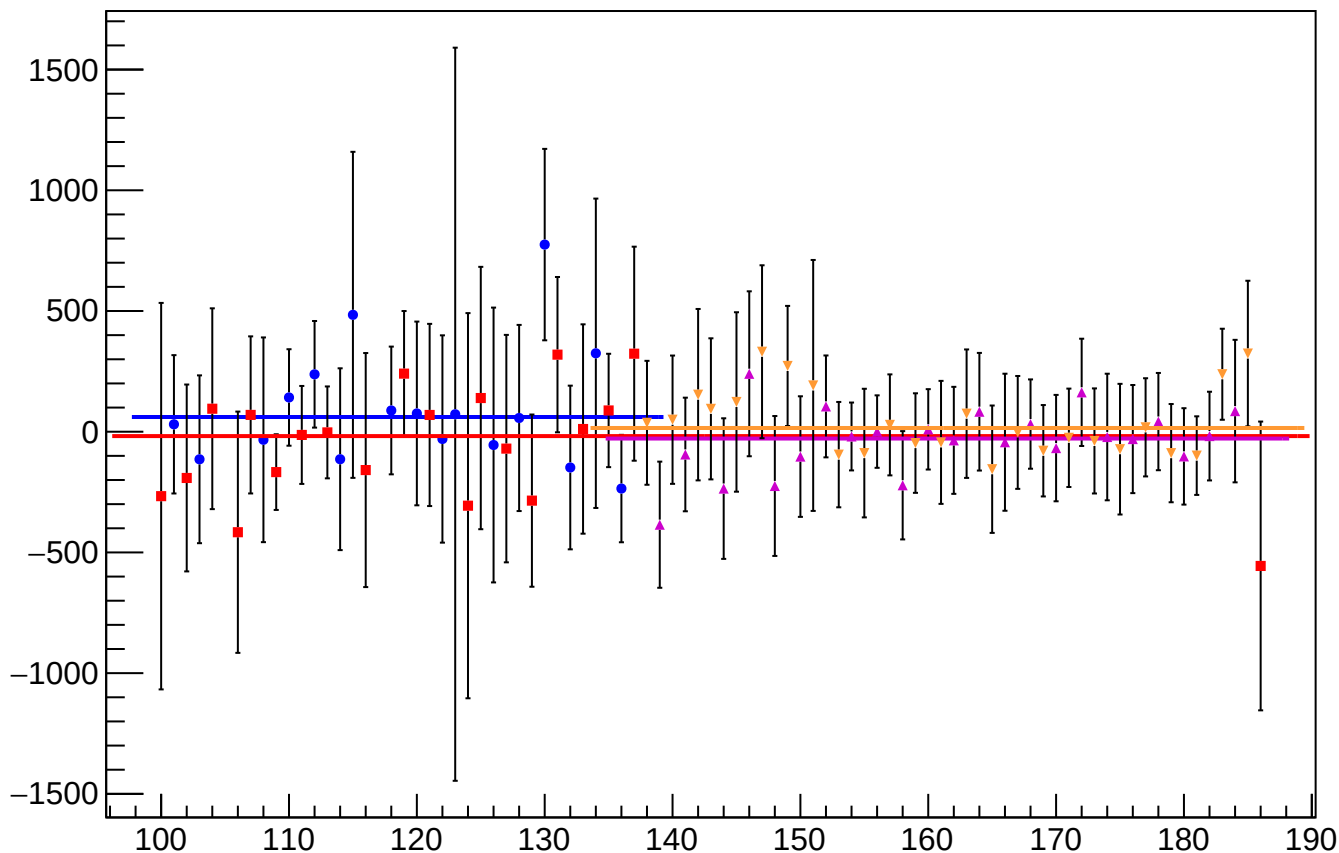
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 197.255 $\pm$ 0.029 χ^2 /NDF: 2791004.1/41

All: 186.959 $\pm$ 0.020 χ^2 /NDF: 6423609.7/84

- sign 178.253 $\pm$ 0.027 χ^2 /NDF: 3400706.8/42

asym_bcm_an_us_mean vs Slug



Right In: 60.929 ± 80.216 χ^2/NDF : 7.4/16

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: -18.121 ± 69.919 χ^2/NDF : 6.6/19

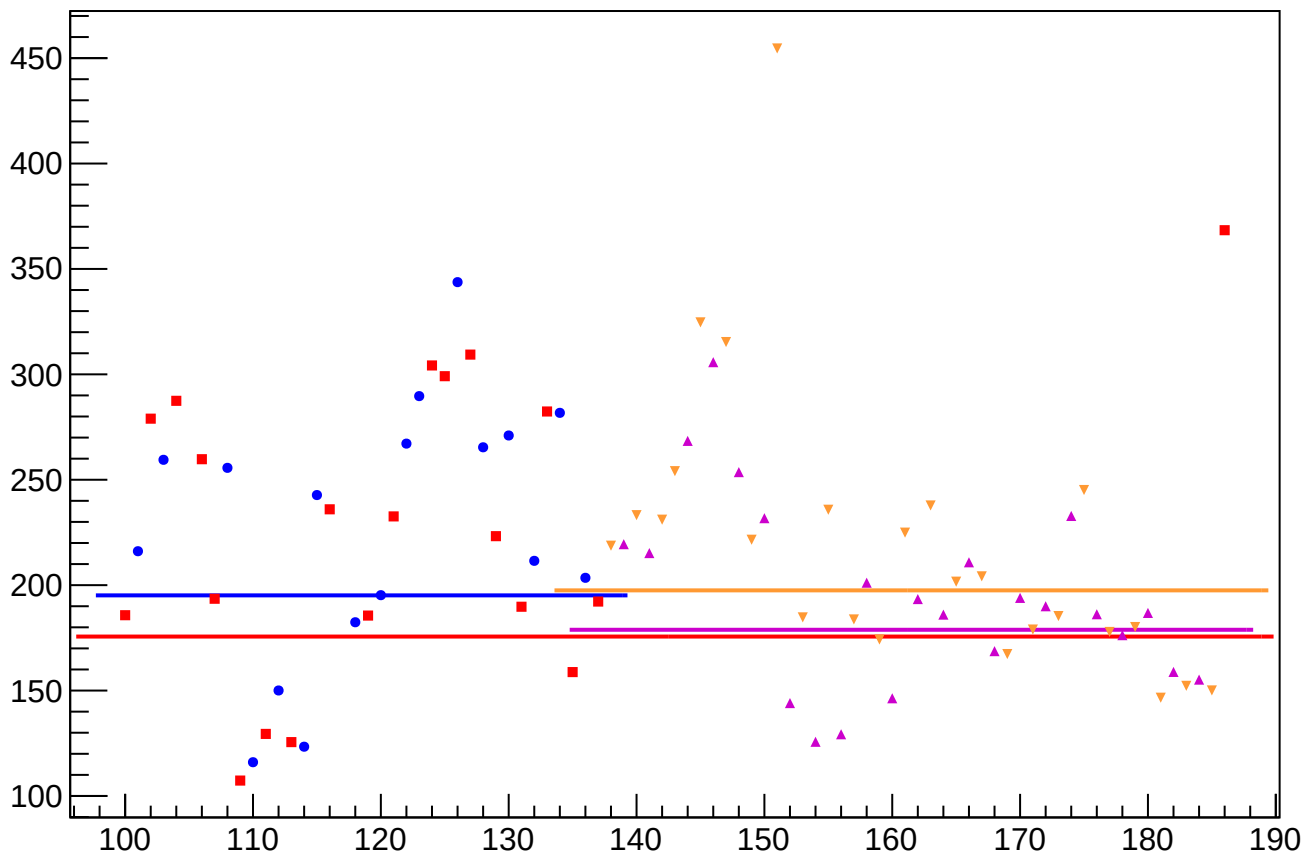
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign 27.319 ± 40.996 χ^2/NDF : 14.6/41

All: -1.213 ± 27.745 χ^2/NDF : 28.5/84

- sign -25.326 ± 37.687 χ^2/NDF : 13.0/42

asym_bcm_an_us_rms vs Slug



Right In: 195.157 $\pm$ 0.057 χ^2 /NDF: 988306.7/16

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 175.618 $\pm$ 0.049 χ^2 /NDF: 1749929.7/19

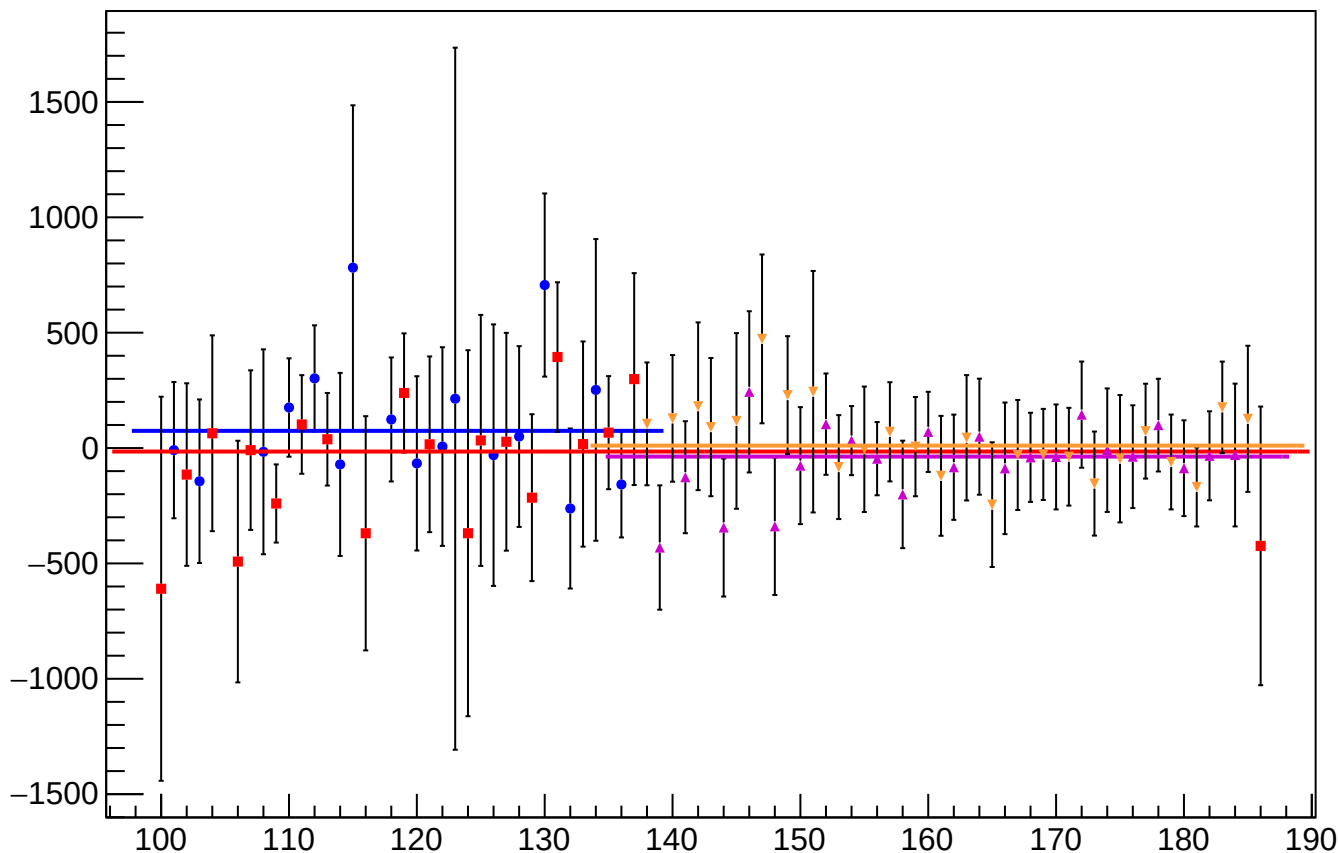
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 196.908 $\pm$ 0.029 χ^2 /NDF: 2773822.9/41

All: 186.607 $\pm$ 0.020 χ^2 /NDF: 6382030.0/84

- sign 177.901 $\pm$ 0.027 χ^2 /NDF: 3375200.9/42

asym_bcm_dg_us_mean vs Slug



Right In: 74.541 ± 82.742 χ^2/NDF : 7.7/16

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: -15.091 ± 72.818 χ^2/NDF : 8.2/19

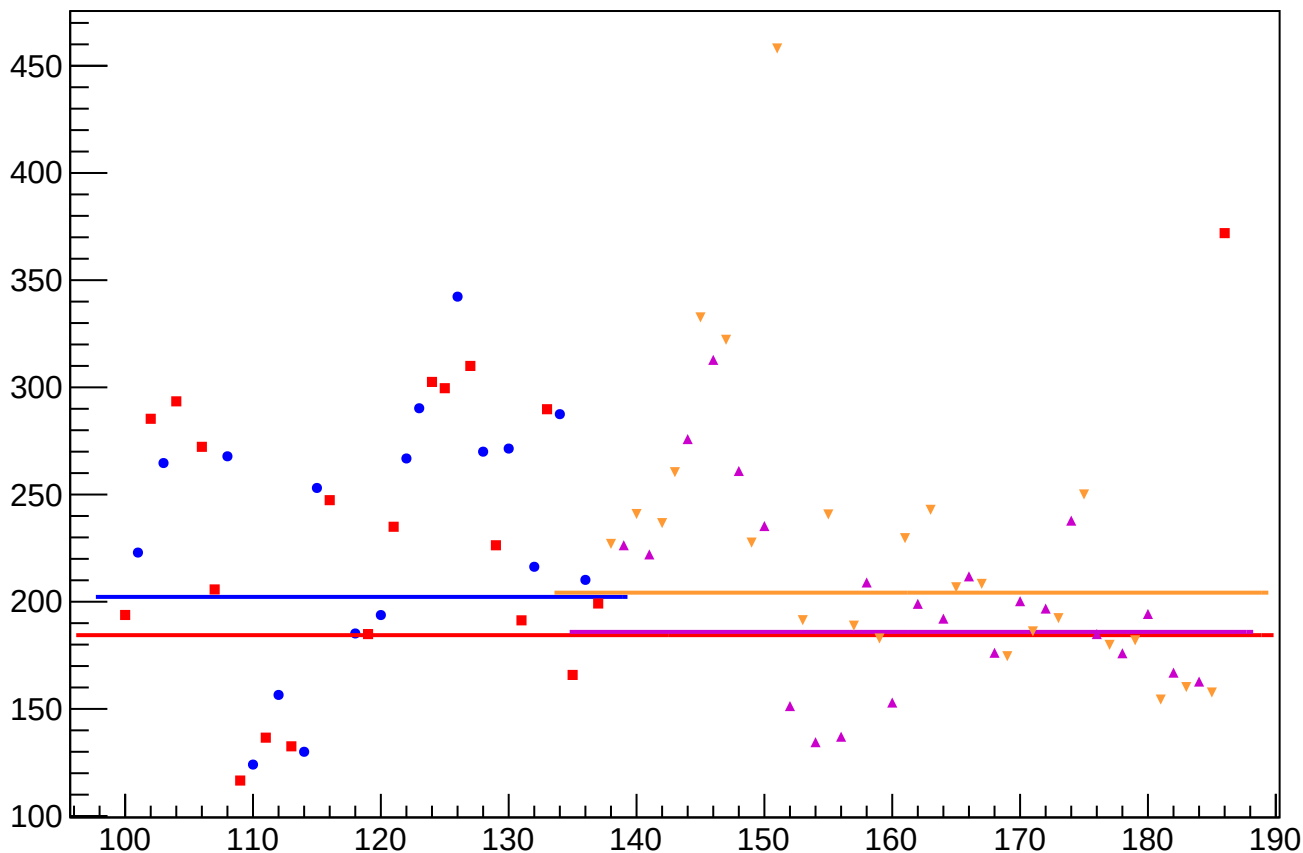
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign 27.252 ± 42.286 χ^2/NDF : 15.6/41

All: -3.975 ± 28.711 χ^2/NDF : 32.7/84

- sign -30.681 ± 39.106 χ^2/NDF : 16.1/42

asym_bcm_dg_us_rms vs Slug



Right In: 202.251 $\pm$ 0.059 χ^2 /NDF: 883731.1/16

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 184.407 $\pm$ 0.051 χ^2 /NDF: 1569256.5/19

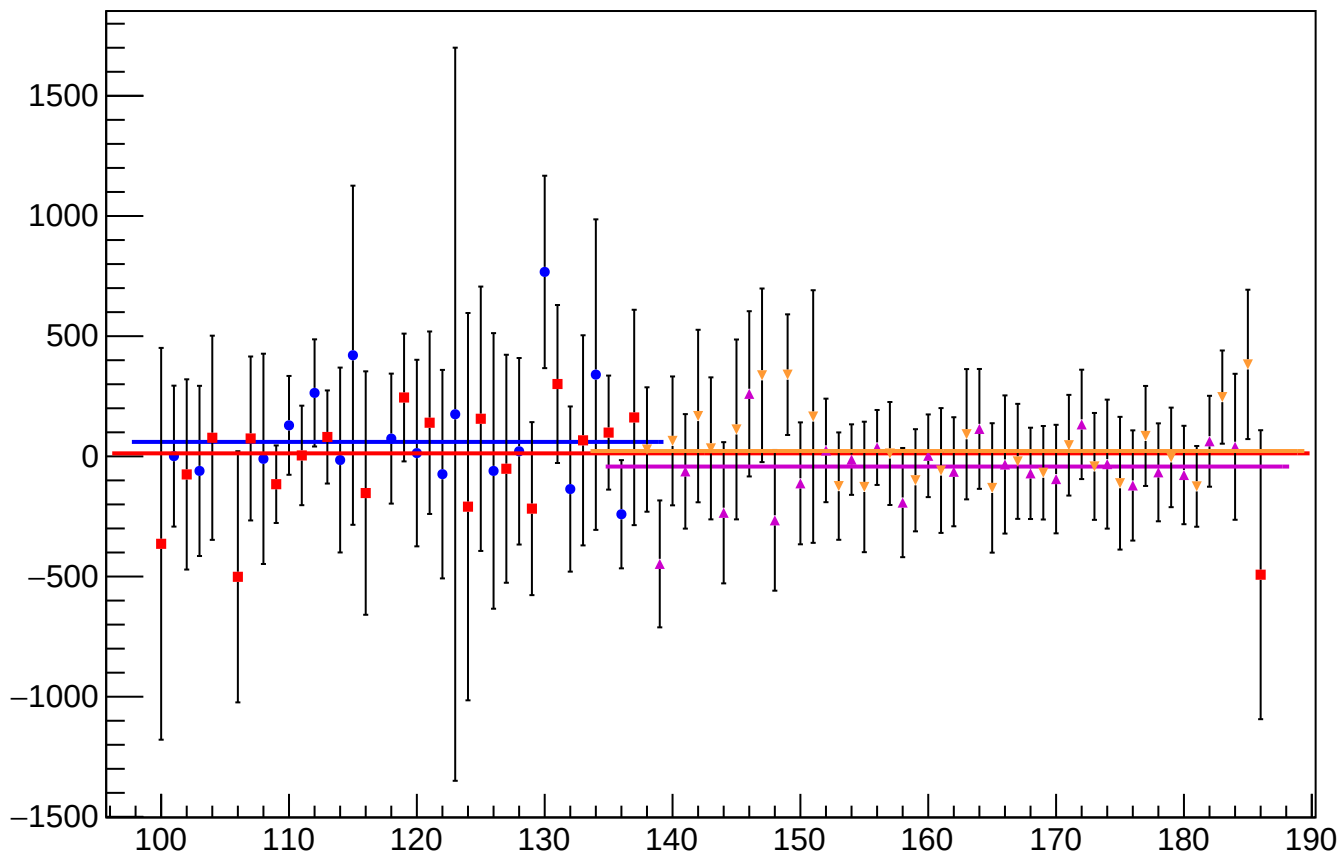
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 203.717 $\pm$ 0.030 χ^2 /NDF: 2560247.4/41

All: 193.893 $\pm$ 0.020 χ^2 /NDF: 5790452.1/84

- sign 185.492 $\pm$ 0.028 χ^2 /NDF: 3029944.9/42

asym_bcm_dg_ds_mean vs Slug



Right In: 60.119 $\pm$ 81.659 χ^2 /NDF: 7.0/16

Left Out: 22.189 $\pm$ 48.738 χ^2 /NDF:8.4/24

Right Out: 12.520 $\pm$ 71.404 χ^2 /NDF: 5.3/19

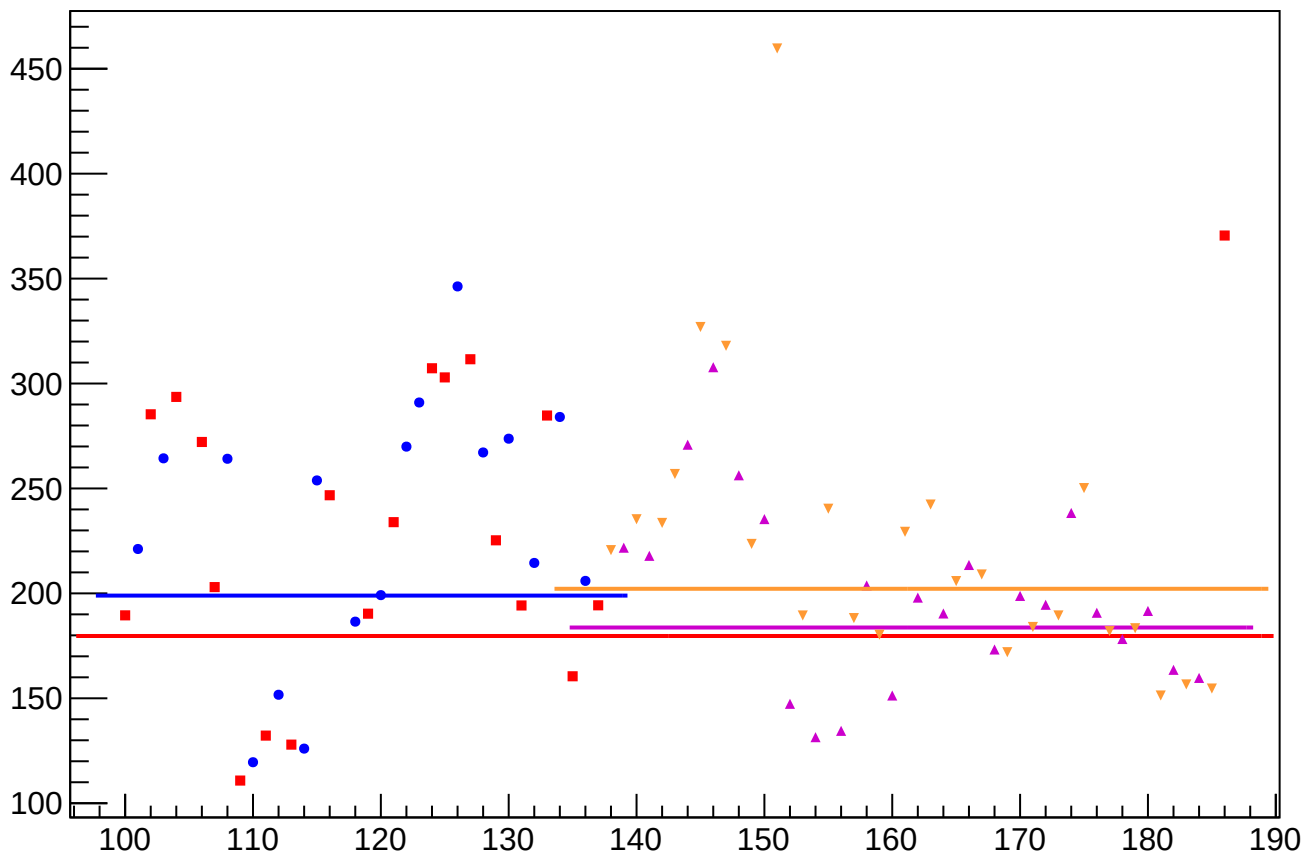
Left In: -42.446 $\pm$ 45.861 χ^2 /NDF:6.7/22

+ sign 32.152 $\pm$ 41.851 χ^2 /NDF: 15.6/41

All: 0.508 $\pm$ 28.369 χ^2 /NDF: 29.1/84

- sign -26.394 $\pm$ 38.587 χ^2 /NDF: 12.5/42

asym_bcm_dg_ds_rms vs Slug



Right In: 198.943 $\pm$ 0.058 χ^2 /NDF: 965773.2/16

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF: 1696571.9/24

Right Out: 179.693 $\pm$ 0.050 χ^2 /NDF: 1723997.3/19

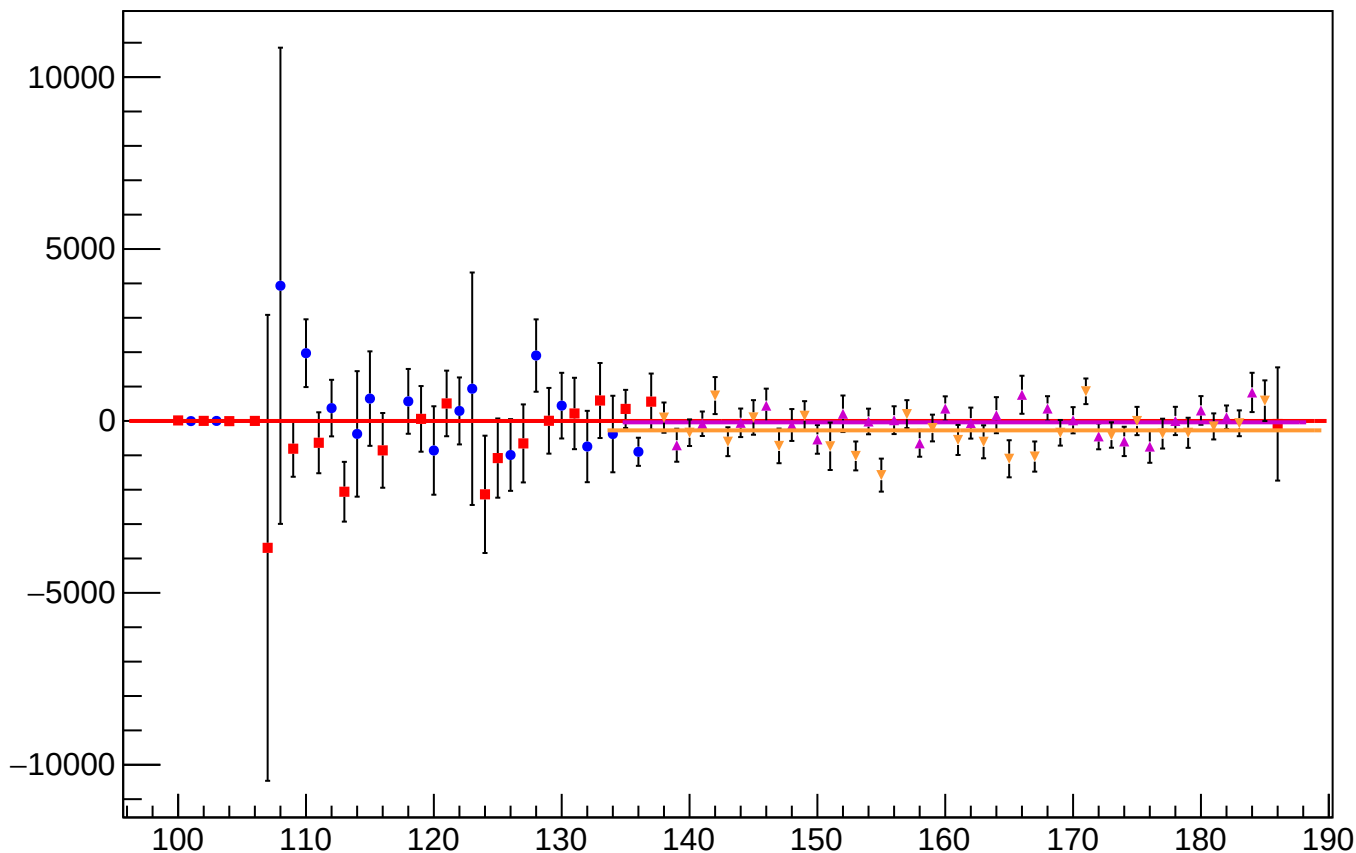
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF: 1495930.4/22

+ sign 201.334 $\pm$ 0.030 χ^2 /NDF: 2664671.8/41

All: 191.183 $\pm$ 0.020 χ^2 /NDF: 6106845.7/84

- sign 182.553 $\pm$ 0.027 χ^2 /NDF: 3224458.7/42

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.9/16

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.2/19

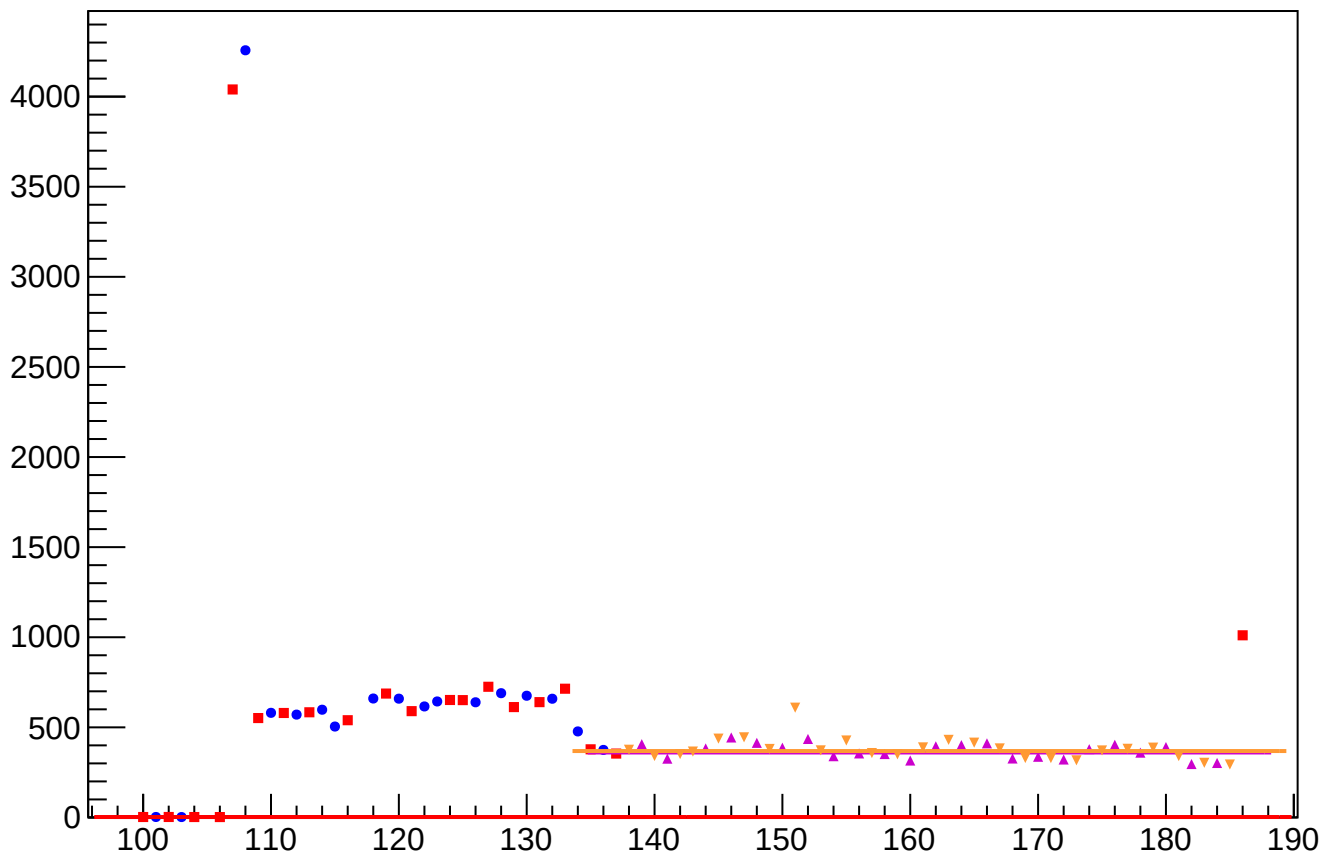
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.711 ± 2.251 χ^2/NDF : 65.0/41

All: -1.202 ± 1.540 χ^2/NDF : 103.7/84

- sign -0.754 ± 2.111 χ^2/NDF : 38.6/42

asym_cav4bQ_rms vs Slug



Right In: 2.456 $\pm$ 0.002 χ^2 /NDF: 10667142.2/16

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.438 $\pm$ 0.001 χ^2 /NDF: 11843953.6/19

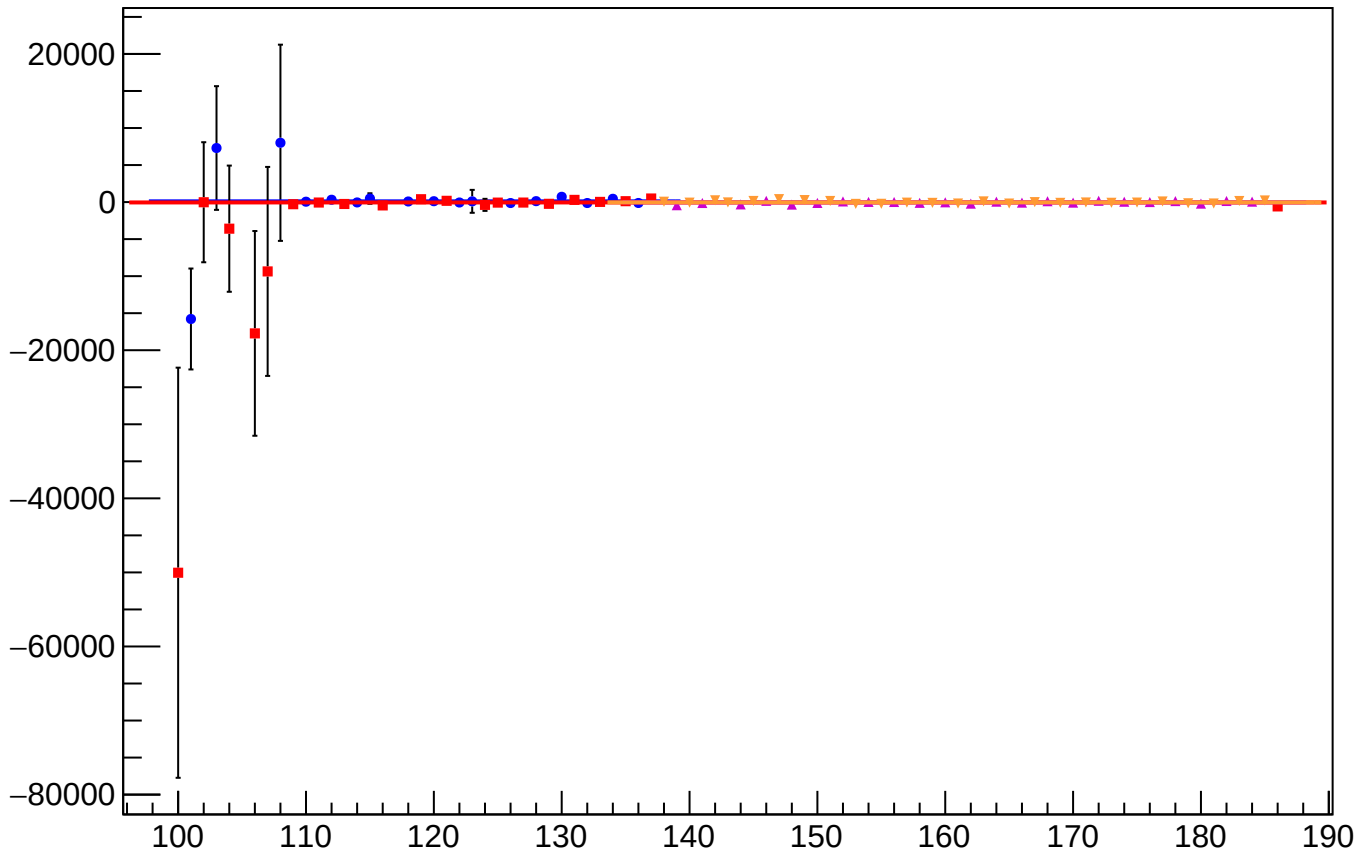
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.702 $\pm$ 0.002 χ^2 /NDF: 46777446.0/41

All: 2.672 $\pm$ 0.001 χ^2 /NDF: 92552029.0/84

- sign 2.647 $\pm$ 0.001 χ^2 /NDF: 45773948.9/42

asym_cav4cQ_mean vs Slug



Right In: 99.358+/-92.026 χ^2/NDF : 12.0/16

Left Out: -39.036+/-49.576 χ^2/NDF : 9.1/24

Right Out: -48.669+/-83.759 χ^2/NDF : 14.9/19

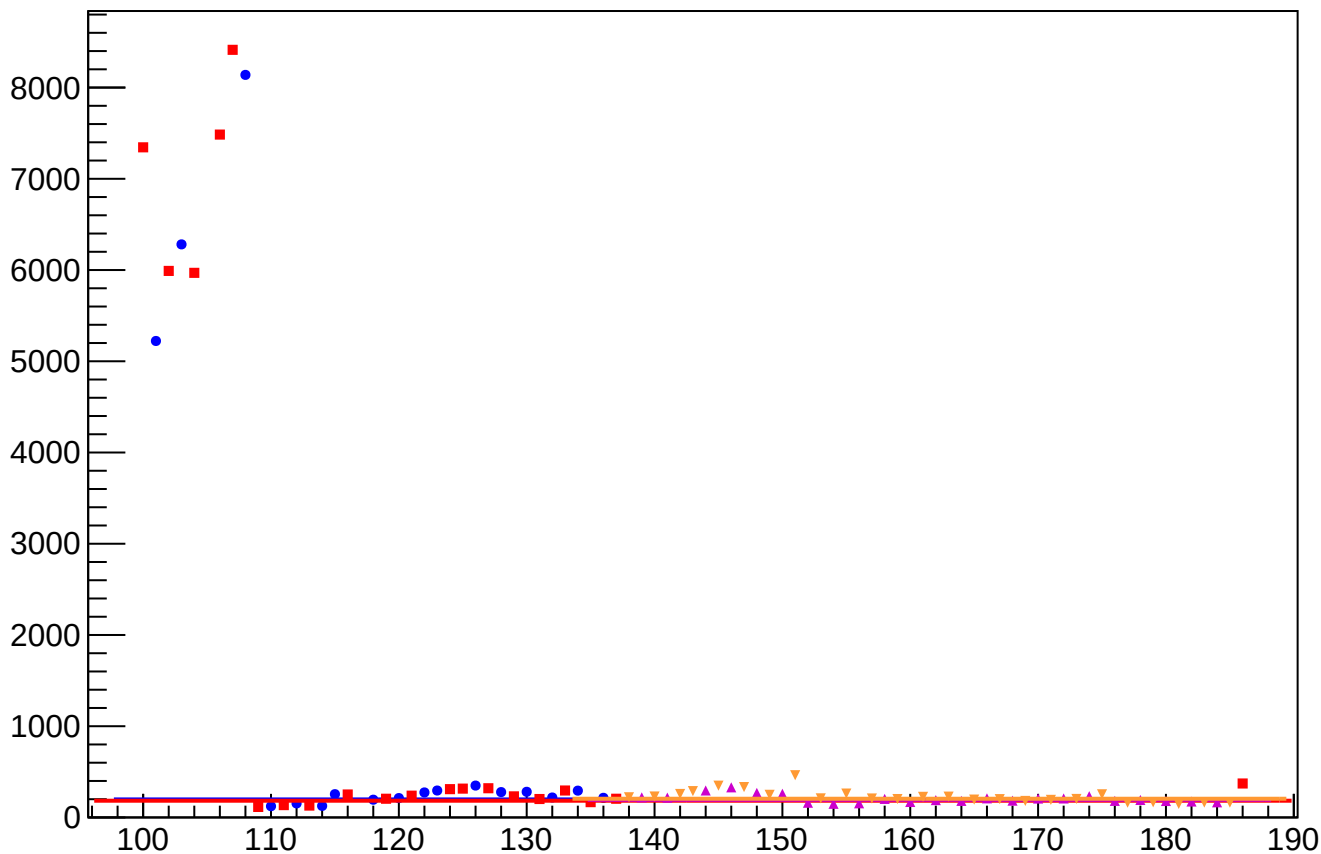
Left In: -28.062+/-48.032 χ^2/NDF : 9.6/22

+ sign -7.906+/-43.646 χ^2/NDF : 22.9/41

All: -21.119+/-30.138 χ^2/NDF : 47.7/84

- sign -33.161+/-41.667 χ^2/NDF : 24.6/42

asym_cav4cQ_rms vs Slug



Right In: 197.646 $\pm$ 0.065 χ^2 /NDF: 3699445.6/16

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF: 1957484.4/24

Right Out: 183.481 $\pm$ 0.059 χ^2 /NDF: 4514861.8/19

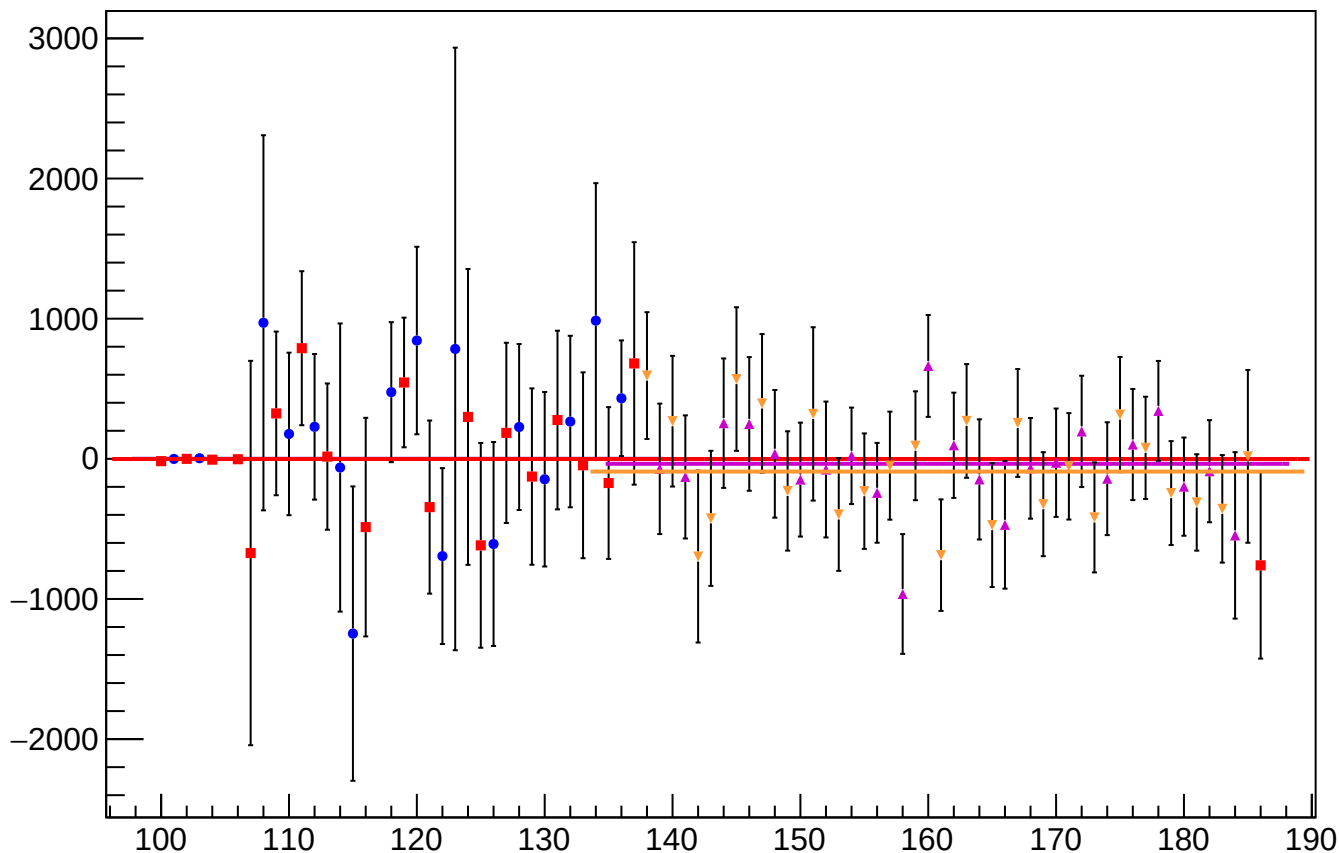
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF: 1179471.1/22

+ sign 203.434 $\pm$ 0.031 χ^2 /NDF: 5667138.0/41

All: 196.985 $\pm$ 0.021 χ^2 /NDF: 11466959.3/84

- sign 191.108 $\pm$ 0.029 χ^2 /NDF: 5716368.8/42

asym_cav4dQ_mean vs Slug



Right In: -0.141 ± 1.737 χ^2/NDF : 10.1/16

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.327 ± 1.623 χ^2/NDF : 10.6/19

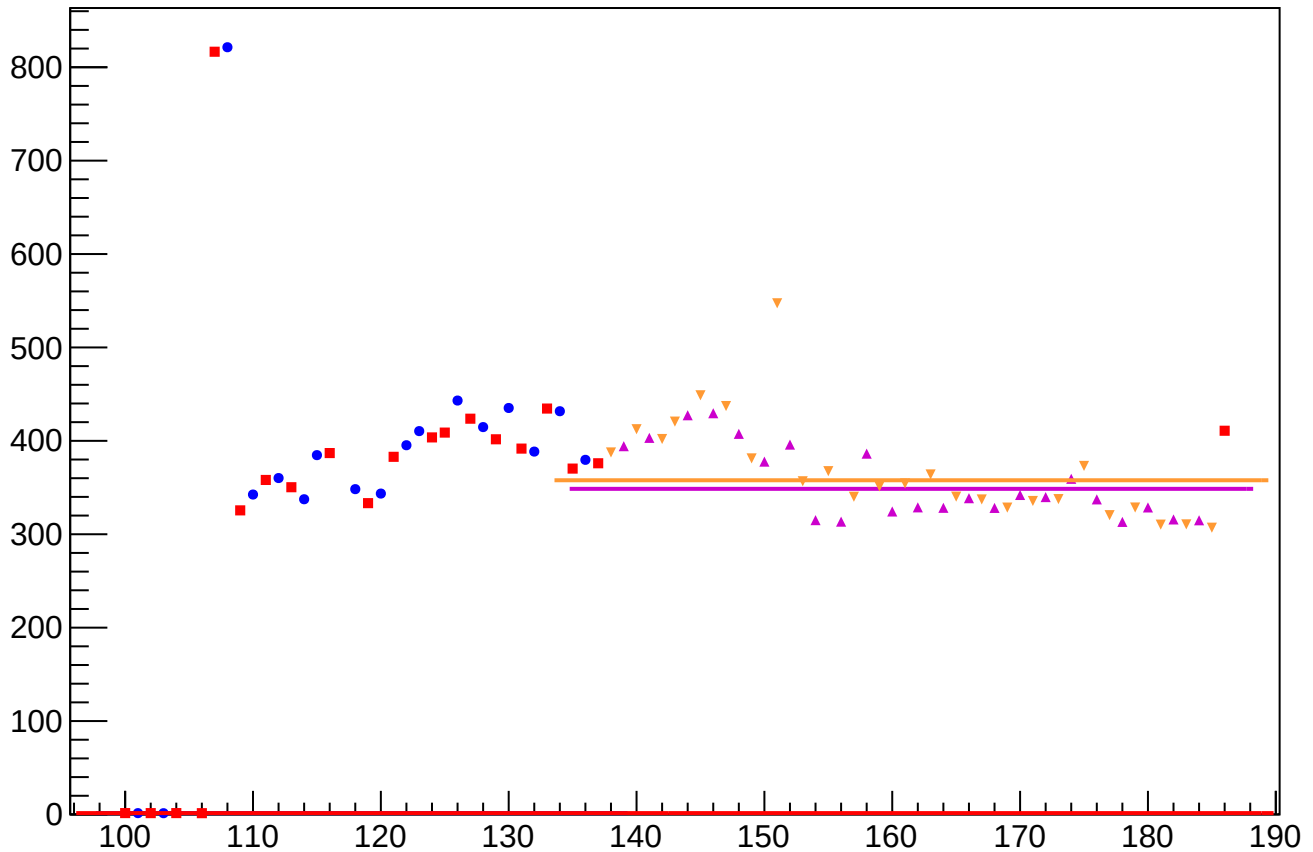
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.179 ± 1.736 χ^2/NDF : 27.7/41

All: -0.799 ± 1.185 χ^2/NDF : 52.1/84

- sign -1.340 ± 1.622 χ^2/NDF : 24.2/42

asym_cav4dQ_rms vs Slug



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10771707.1/16

Left Out: 357.804 $\pm$ 0.059 χ^2 /NDF: 547036.5/24

Right Out: 1.453 $\pm$ 0.001 χ^2 /NDF: 11588634.5/19

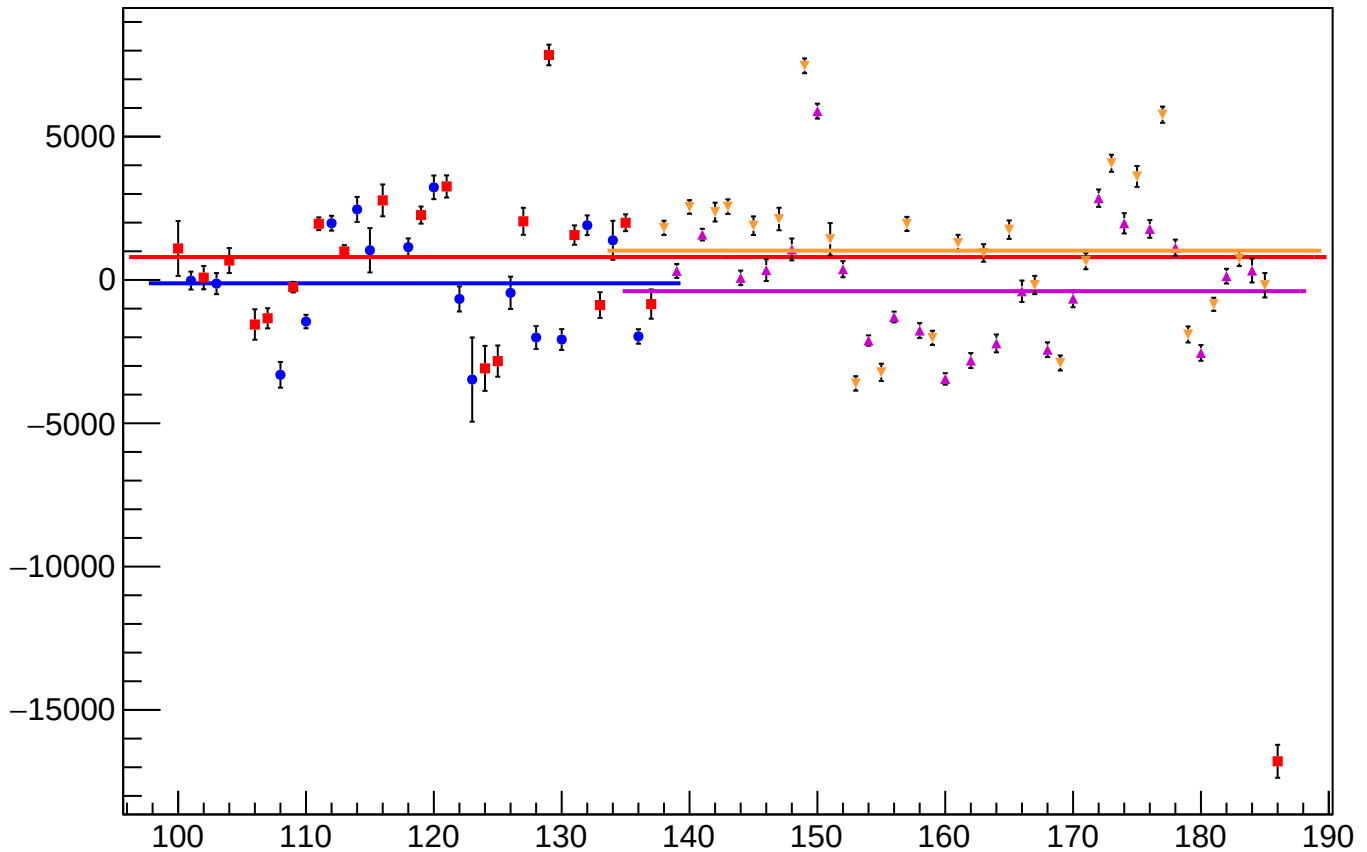
Left In: 348.611 $\pm$ 0.060 χ^2 /NDF: 362511.2/22

+ sign 1.604 $\pm$ 0.001 χ^2 /NDF: 47230203.8/41

All: 1.592 $\pm$ 0.001 χ^2 /NDF: 93020699.6/84

- sign 1.582 $\pm$ 0.001 χ^2 /NDF: 45790319.7/42

asym_bcm0l02_mean vs Slug



Right In: -116.817 ± 88.319 $\chi^2/\text{NDF}: 420.4/16$

Left Out: 1023.439 ± 57.338 $\chi^2/\text{NDF}: 2309.4/24$

Right Out: 799.280 ± 77.744 $\chi^2/\text{NDF}: 1639.1/19$

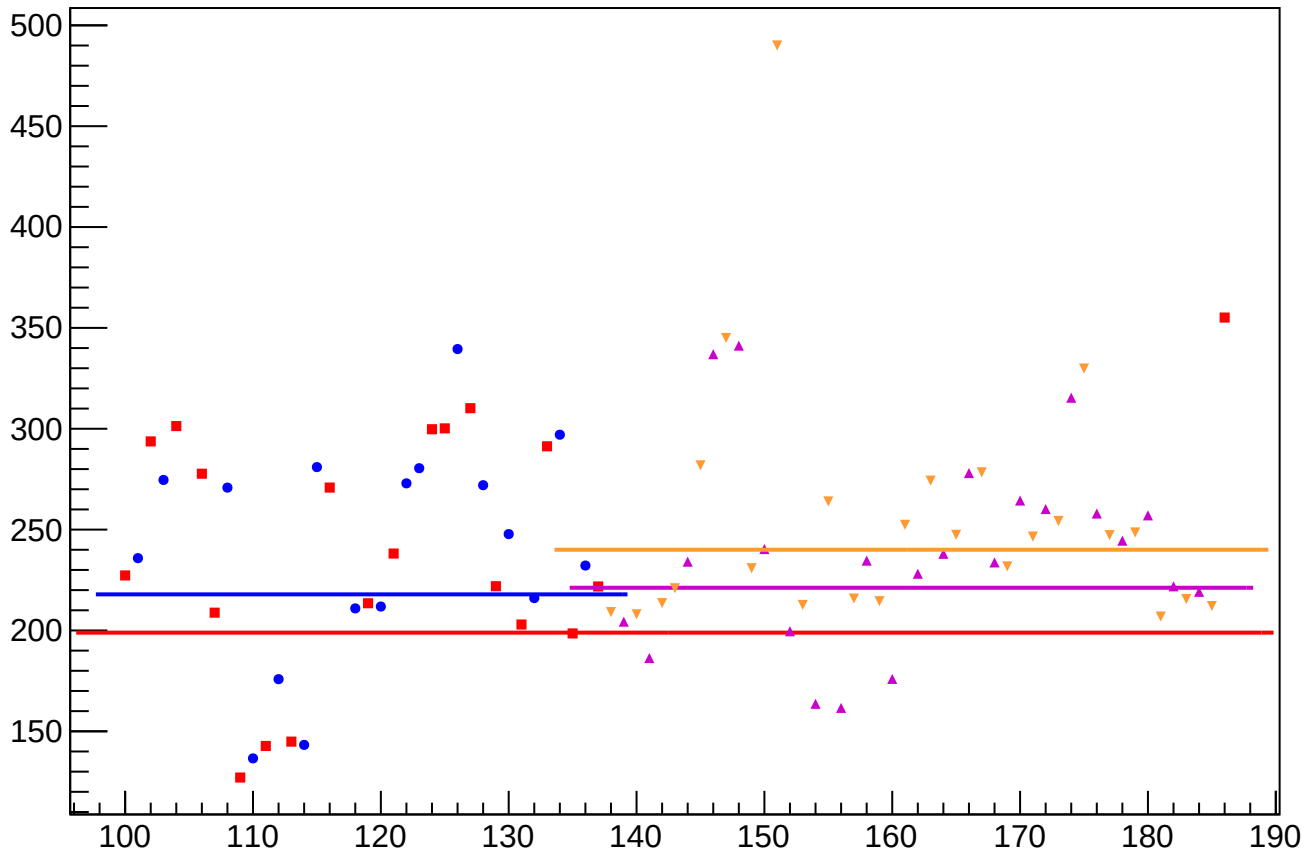
Left In: -390.237 ± 54.931 $\chi^2/\text{NDF}: 1584.9/22$

+ sign 685.343 ± 48.092 $\chi^2/\text{NDF}: 2847.0/41$

All: 322.026 ± 32.805 $\chi^2/\text{NDF}: 6334.0/84$

- sign 5.865 ± 44.863 $\chi^2/\text{NDF}: 3380.2/42$

asym_bcm0l02_rms vs Slug



Right In: 217.896 $\pm$ 0.062 χ^2 /NDF: 661999.5/16

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 198.923 $\pm$ 0.055 χ^2 /NDF: 1339275.9/19

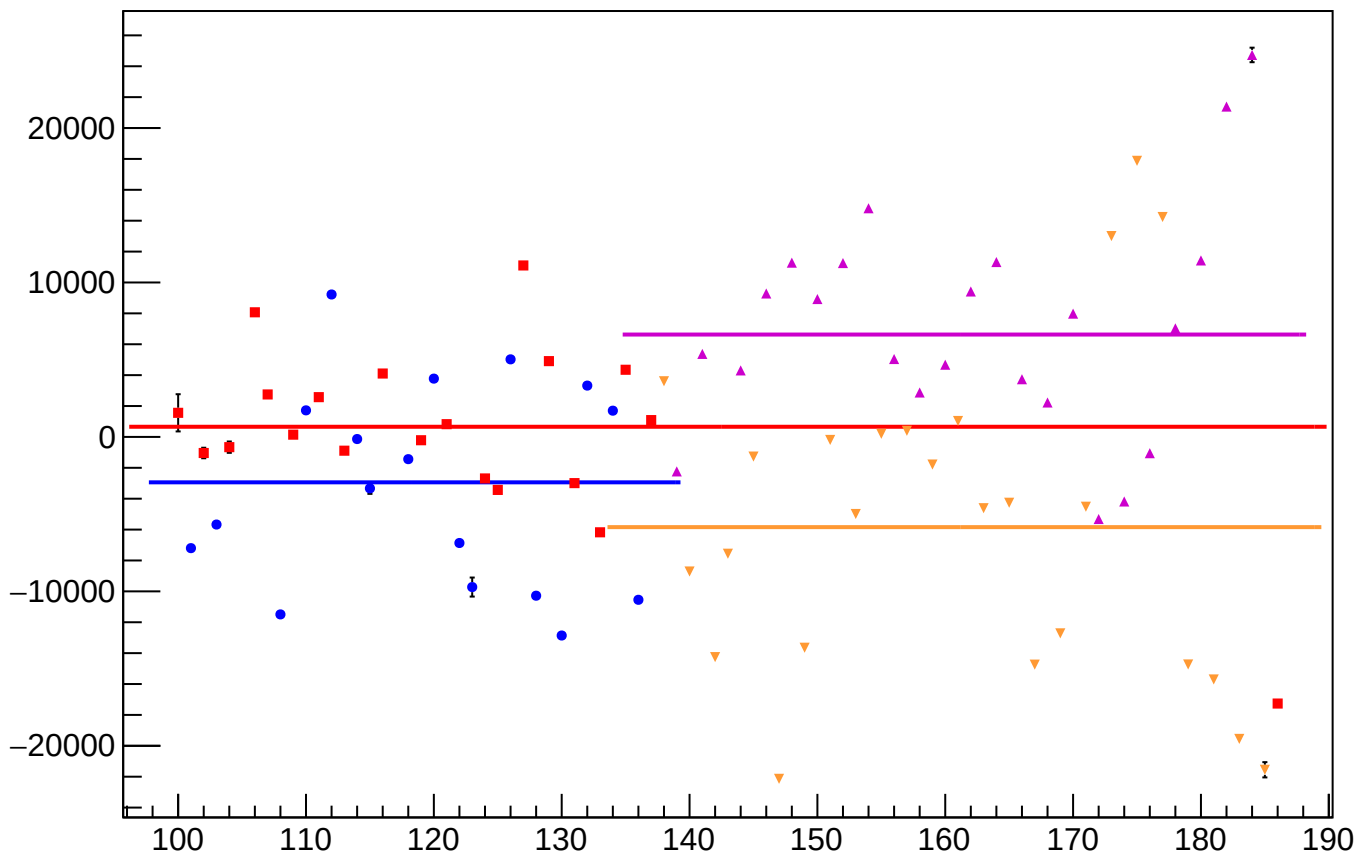
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 233.459 $\pm$ 0.034 χ^2 /NDF: 1752711.0/41

All: 222.928 $\pm$ 0.023 χ^2 /NDF: 4723138.0/84

- sign 213.764 $\pm$ 0.032 χ^2 /NDF: 2791060.3/42

asym_bpm2i01WS_mean vs Slug



Right In: -2940.841 ± 48.696 $\chi^2/\text{NDF}: 20909.3/16$

Left Out: -5841.615 ± 35.848 $\chi^2/\text{NDF}: 63397.3/24$

Right Out: 657.882 ± 45.398 $\chi^2/\text{NDF}: 14833.5/19$

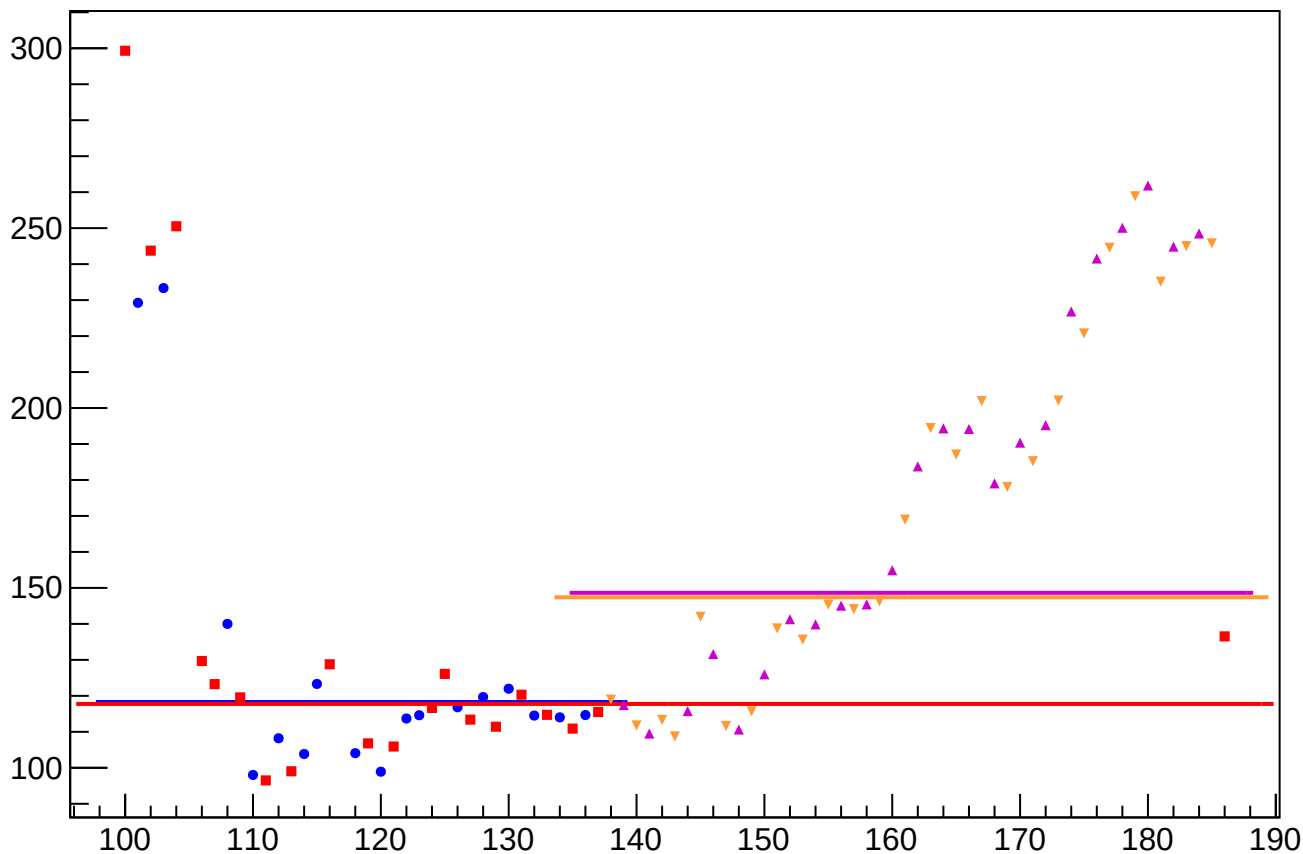
Left In: 6628.388 ± 37.160 $\chi^2/\text{NDF}: 21738.0/22$

+ sign -4822.128 ± 28.869 $\chi^2/\text{NDF}: 86607.9/41$

All: -276.694 ± 20.373 $\chi^2/\text{NDF}: 182922.8/84$

- sign 4233.026 ± 28.755 $\chi^2/\text{NDF}: 46928.4/42$

asym_bpm2i01WS_rms vs Slug



Right In: 118.278 $\pm$ 0.034 χ^2 /NDF: 637027.4/16

Left Out: 147.396 $\pm$ 0.025 χ^2 /NDF: 2517097.1/24

Right Out: 117.751 $\pm$ 0.032 χ^2 /NDF: 704564.2/19

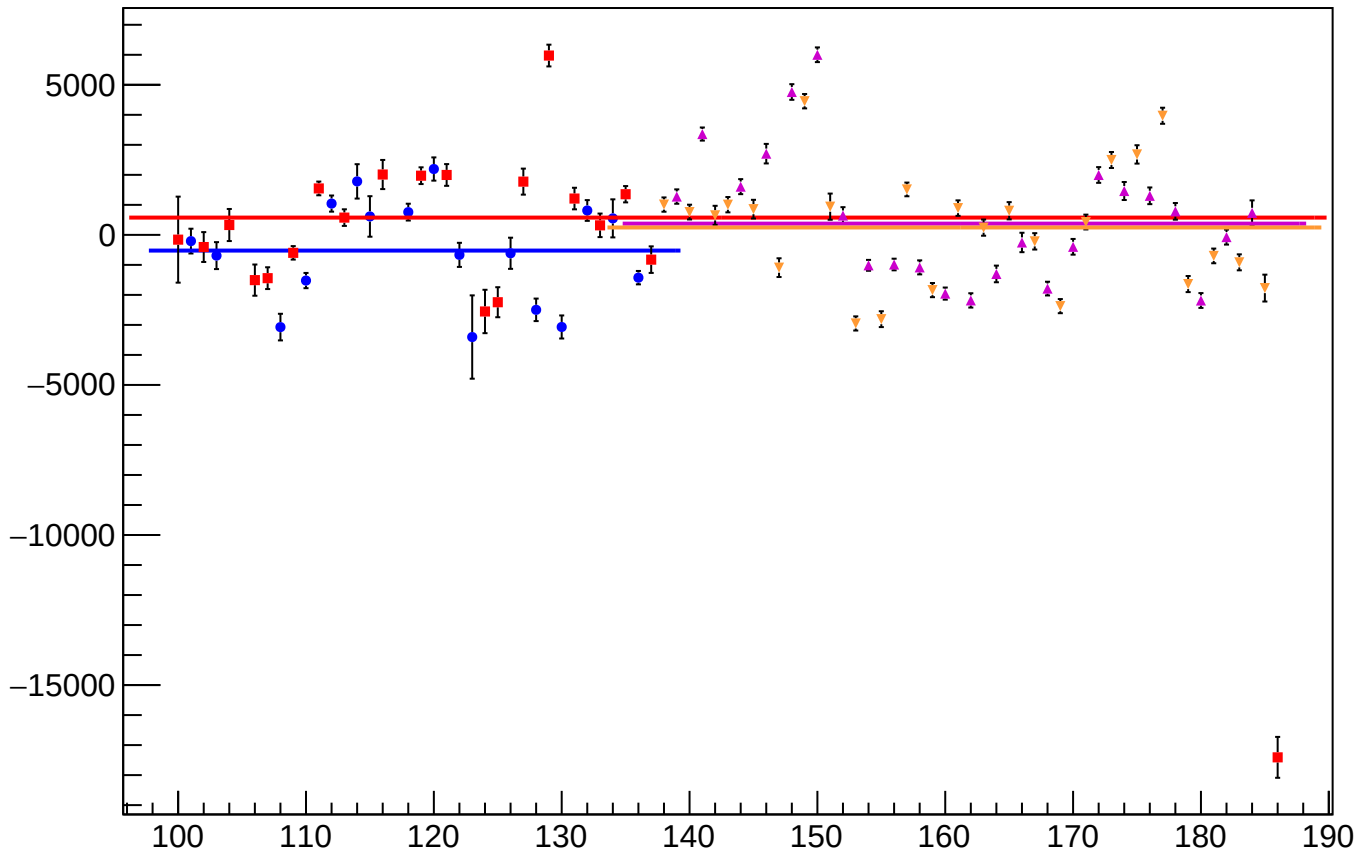
Left In: 148.642 $\pm$ 0.026 χ^2 /NDF: 2415531.9/22

+ sign 137.163 $\pm$ 0.020 χ^2 /NDF: 3617890.7/41

All: 136.704 $\pm$ 0.014 χ^2 /NDF: 7293485.7/84

- sign 136.249 $\pm$ 0.020 χ^2 /NDF: 3674589.0/42

asym_bpm0i07WS_mean vs Slug



Right In: -523.148 ± 89.404 χ^2/NDF : 282.6/16

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: 575.826 ± 81.670 χ^2/NDF : 1144.5/19

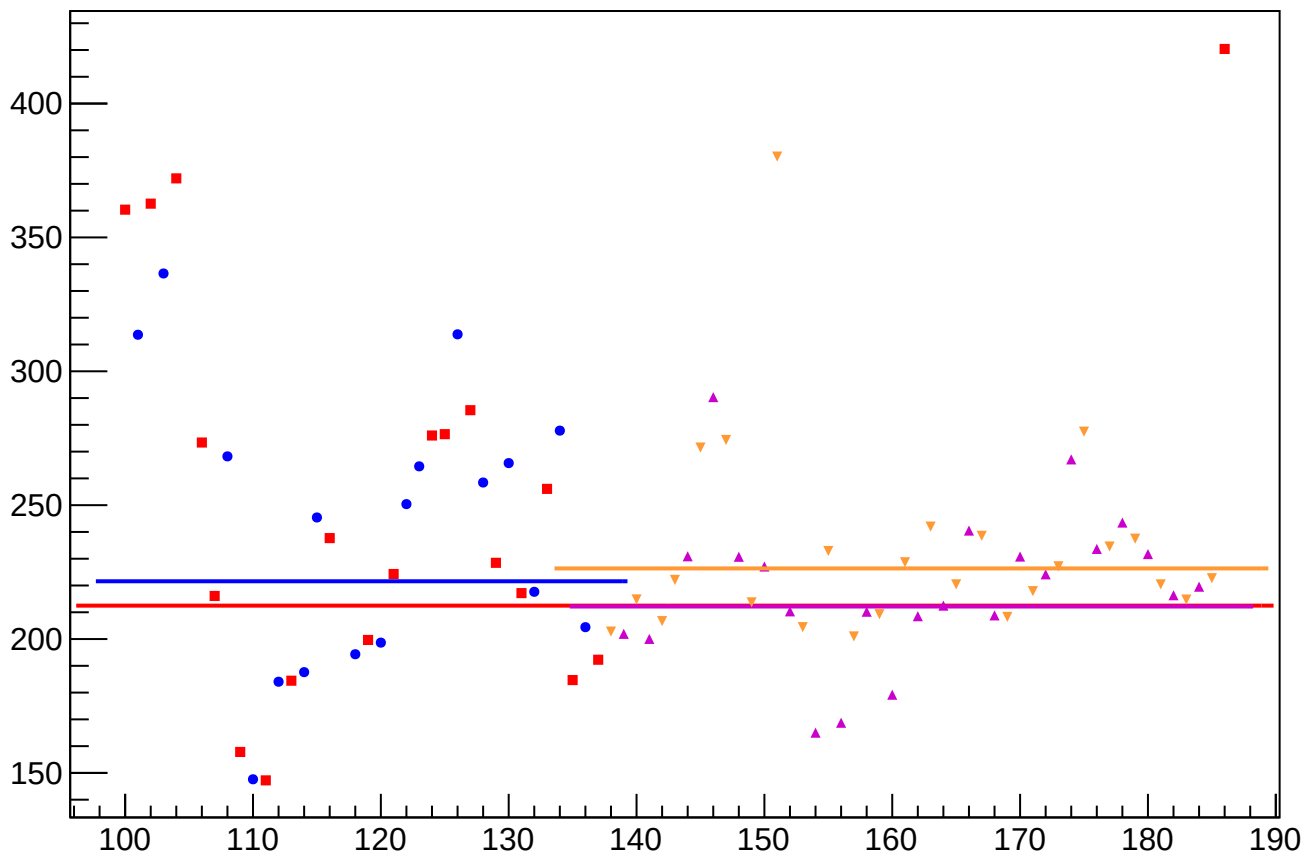
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign 43.331 ± 45.903 χ^2/NDF : 1692.0/41

All: 246.975 ± 31.688 χ^2/NDF : 4676.7/84

- sign 432.378 ± 43.799 χ^2/NDF : 2947.1/42

asym_bpm0i07WS_rms vs Slug



Right In: 221.577 $\pm$ 0.063 χ^2 /NDF: 645771.3/16

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

+ sign 225.111 $\pm$ 0.032 χ^2 /NDF: 1171783.7/41

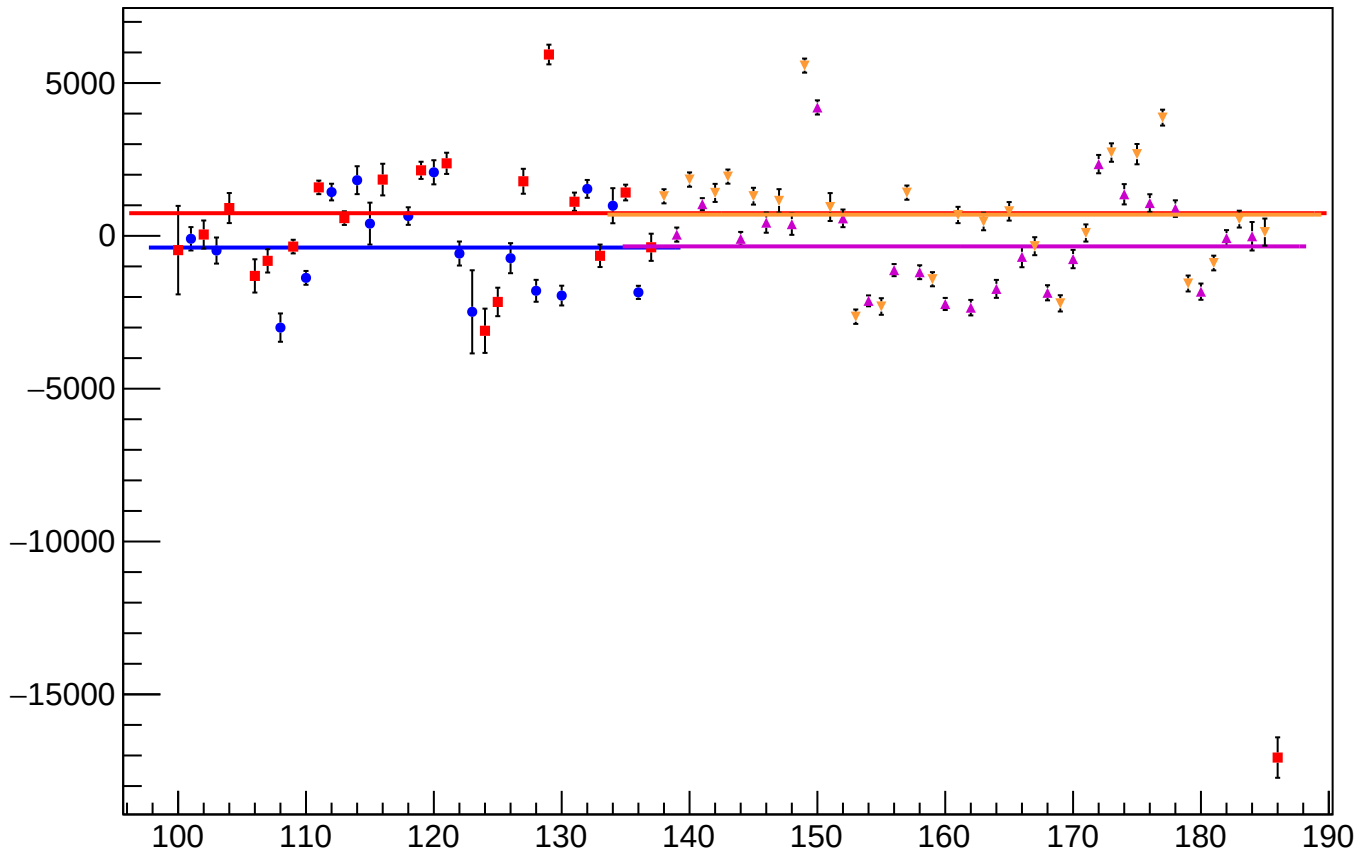
Right Out: 212.478 $\pm$ 0.058 χ^2 /NDF: 1068244.8/19

All: 218.374 $\pm$ 0.022 χ^2 /NDF: 2914046.6/84

Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

- sign 212.241 $\pm$ 0.031 χ^2 /NDF: 1659967.0/42

asym_bpm0l01WS_mean vs Slug



Right In: -382.695 ± 84.465 χ^2/NDF : 309.9/16

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: 741.197 ± 77.165 χ^2/NDF : 1210.6/19

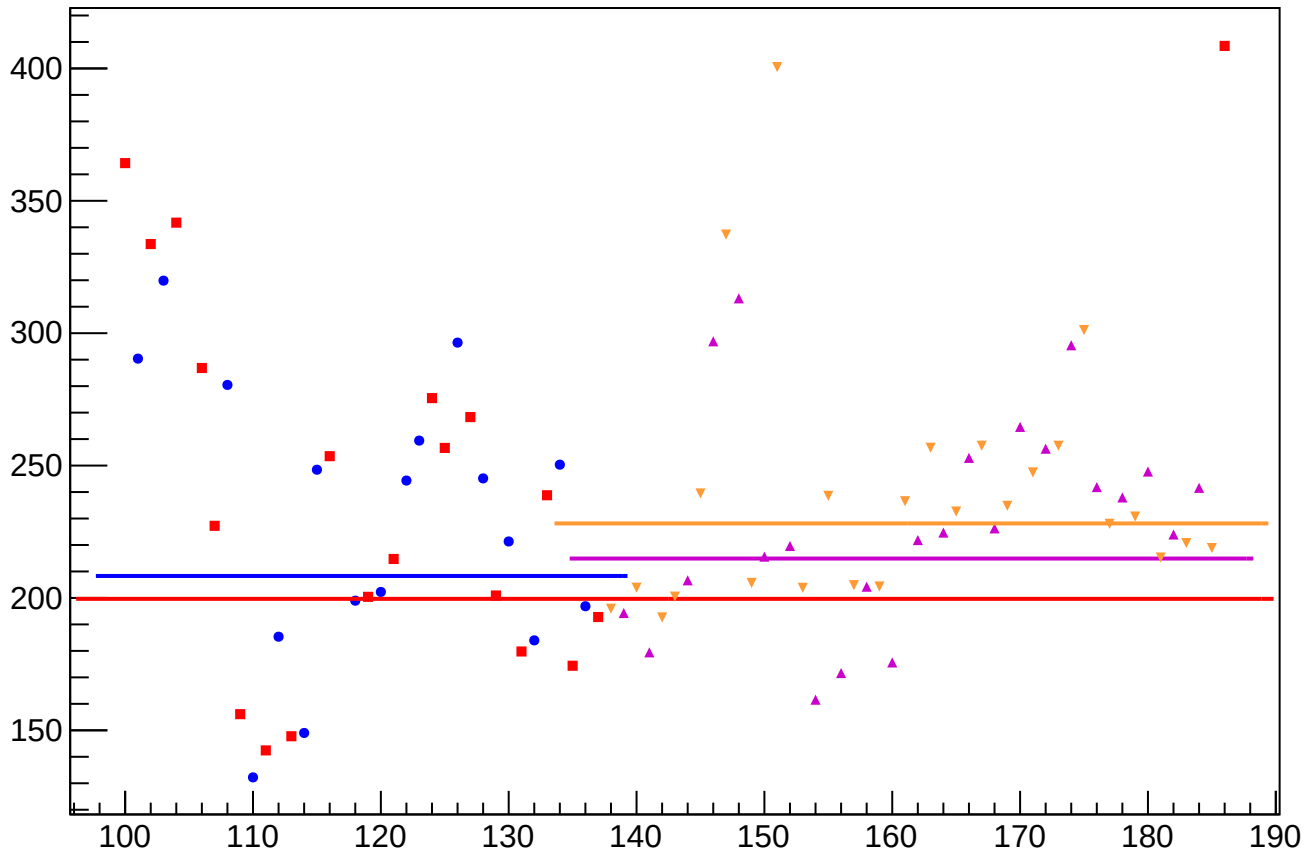
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 379.818 ± 45.644 χ^2/NDF : 1847.1/41

All: 183.073 ± 31.551 χ^2/NDF : 4212.9/84

- sign 3.044 ± 43.662 χ^2/NDF : 2330.2/42

asym_bpm0l01WS_rms vs Slug



Right In: 208.304 $\pm$ 0.060 χ^2 /NDF: 698771.8/16

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF: 828399.3/24

Right Out: 199.658 $\pm$ 0.055 χ^2 /NDF: 1126956.4/19

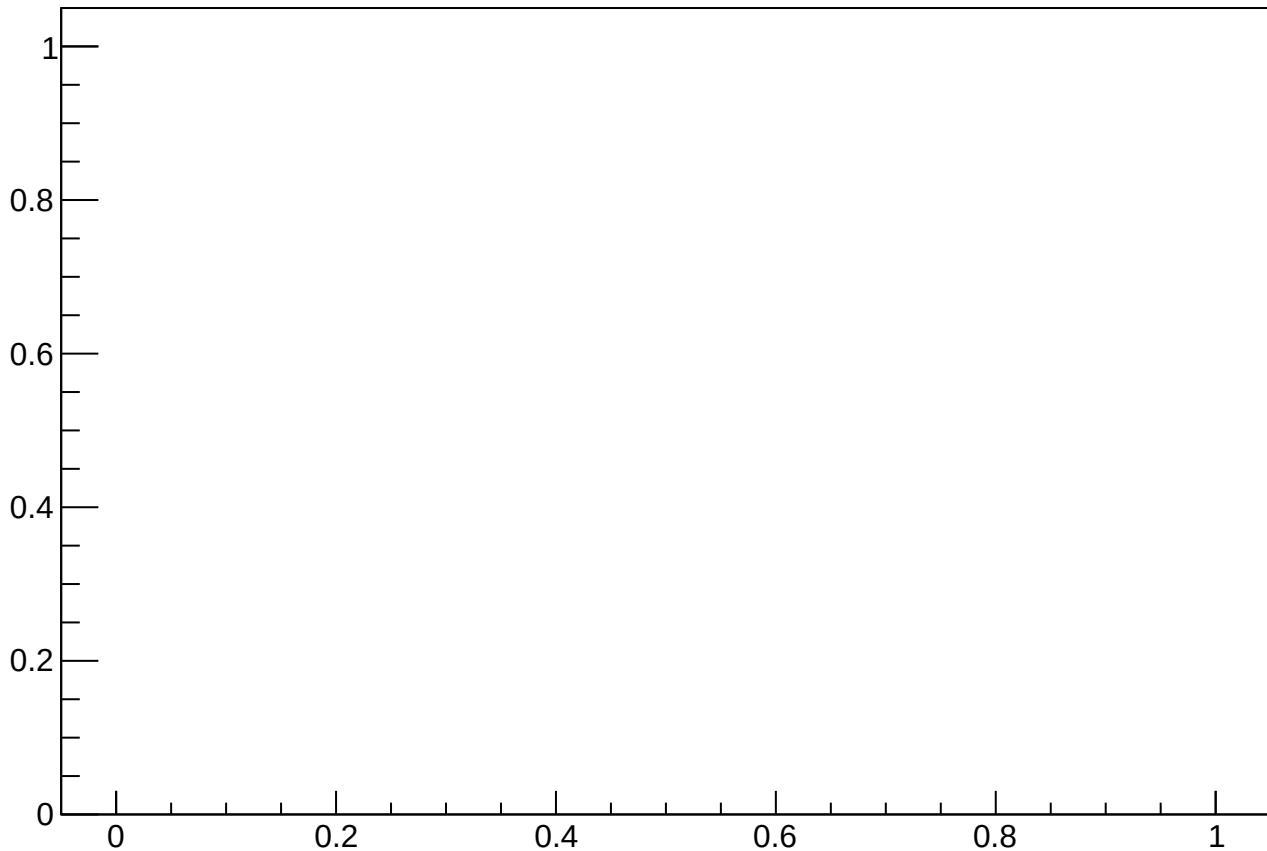
Left In: 214.878 $\pm$ 0.037 χ^2 /NDF: 1037509.6/22

+ sign 222.350 $\pm$ 0.032 χ^2 /NDF: 1605293.8/41

All: 215.904 $\pm$ 0.022 χ^2 /NDF: 3899047.8/84

- sign 210.005 $\pm$ 0.031 χ^2 /NDF: 2217361.6/42

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

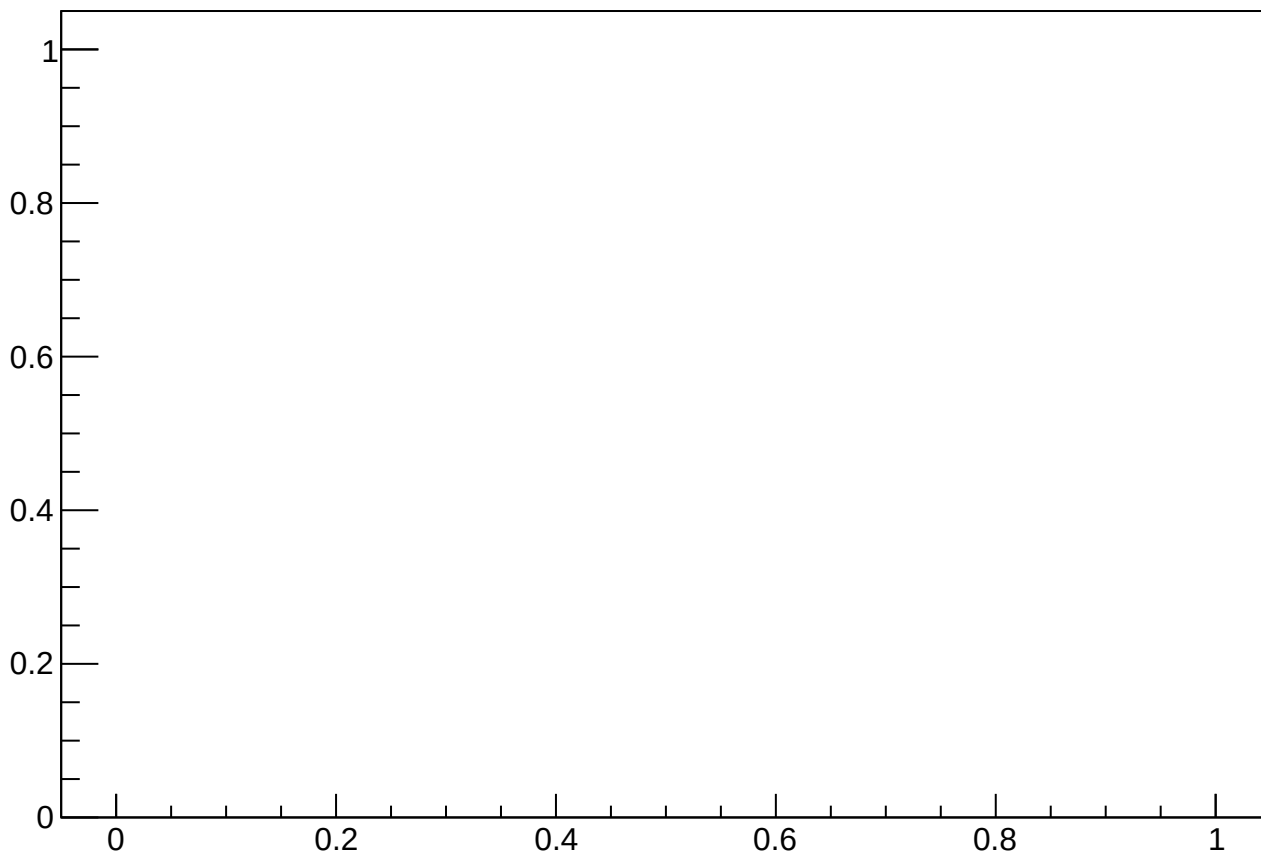
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

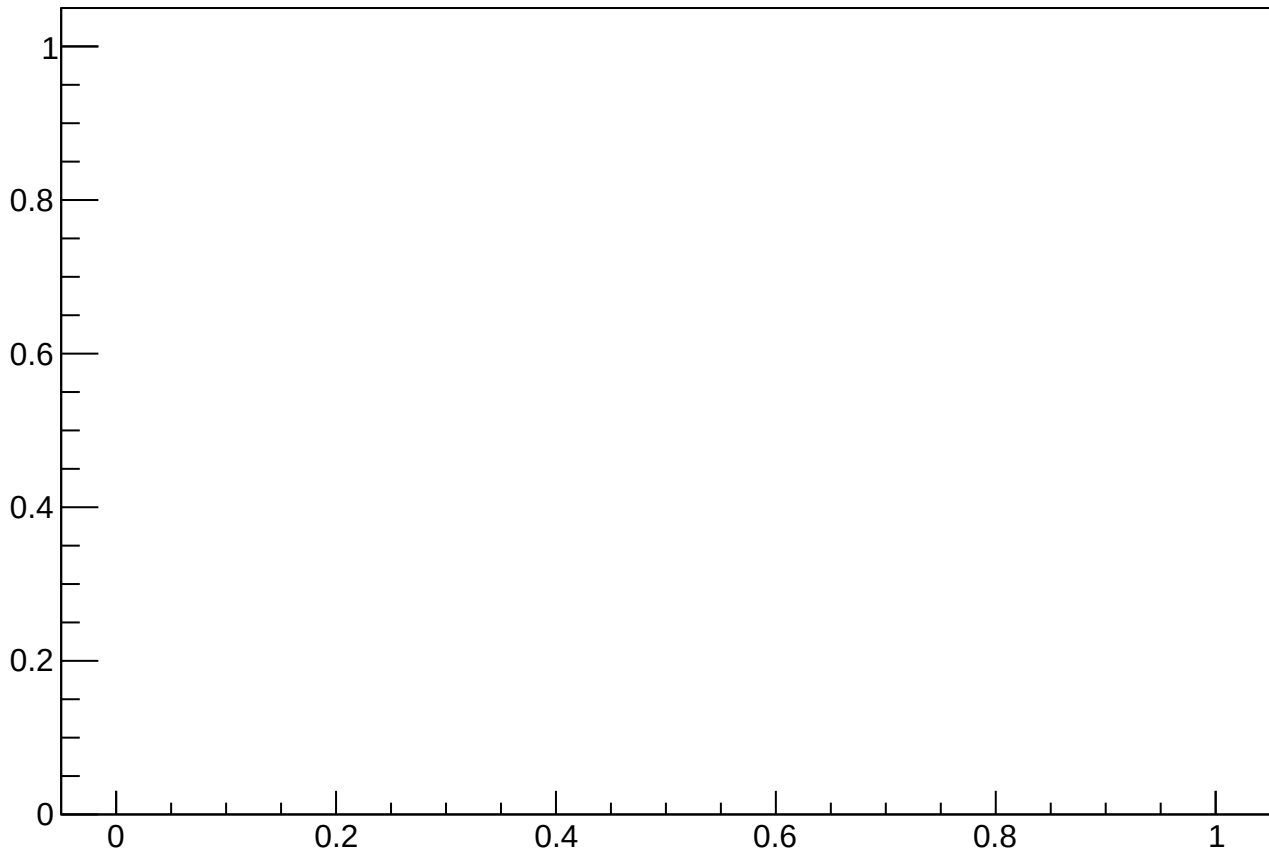
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

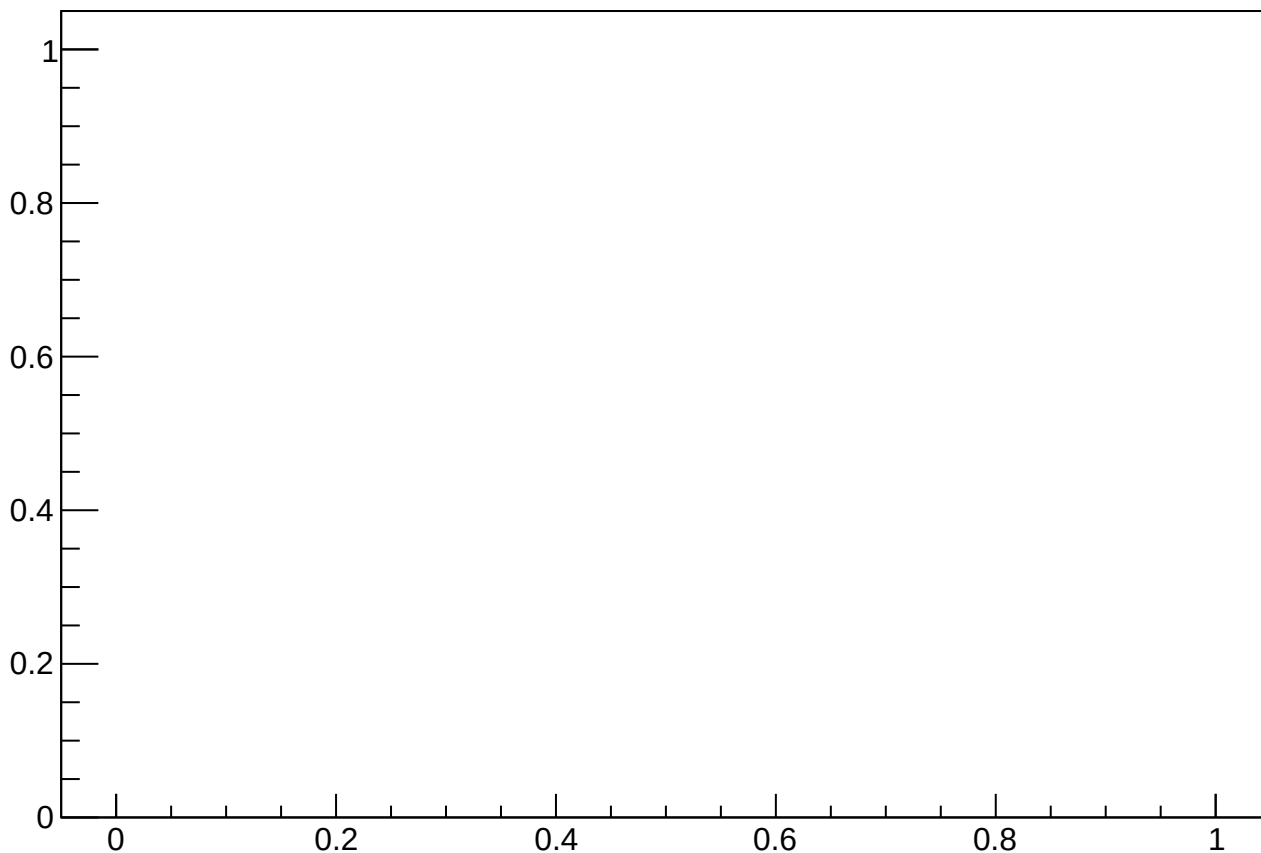
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

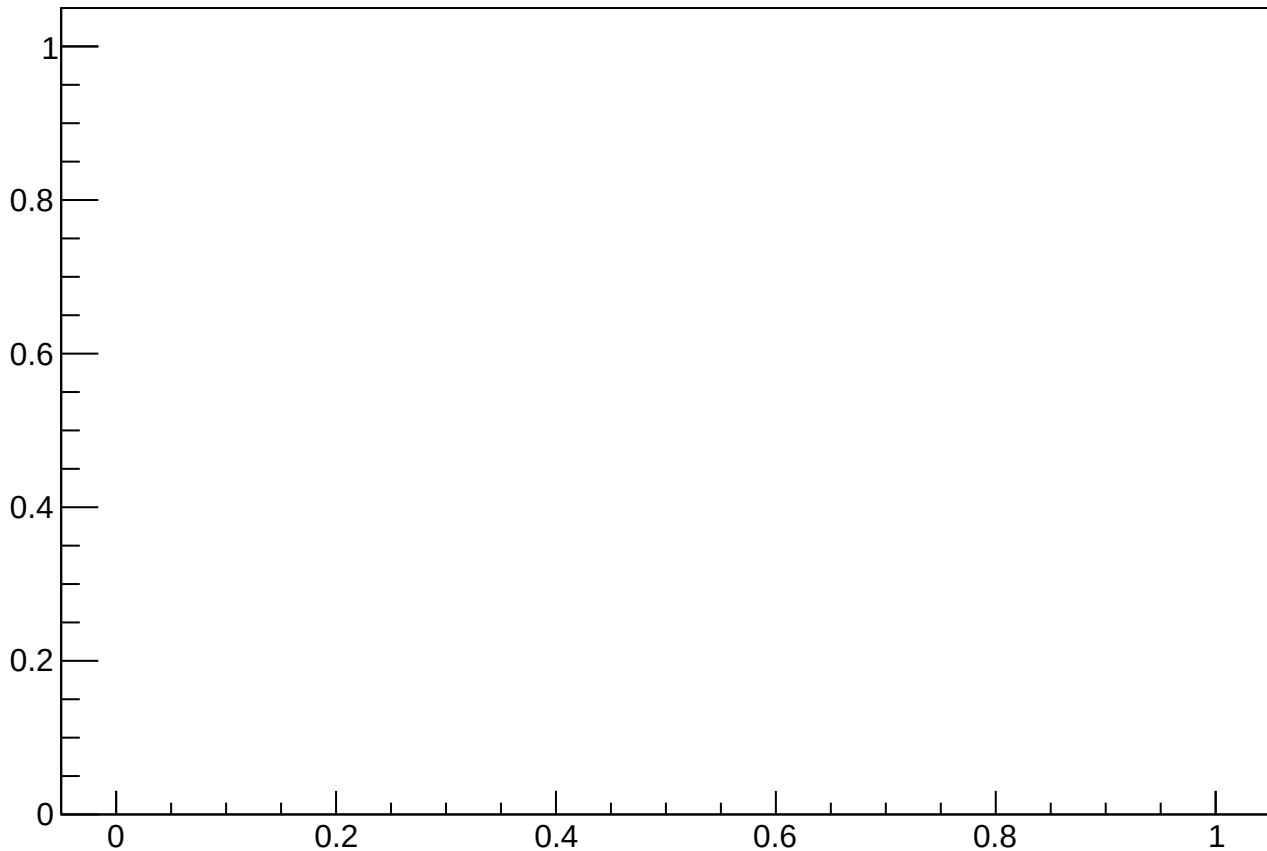
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

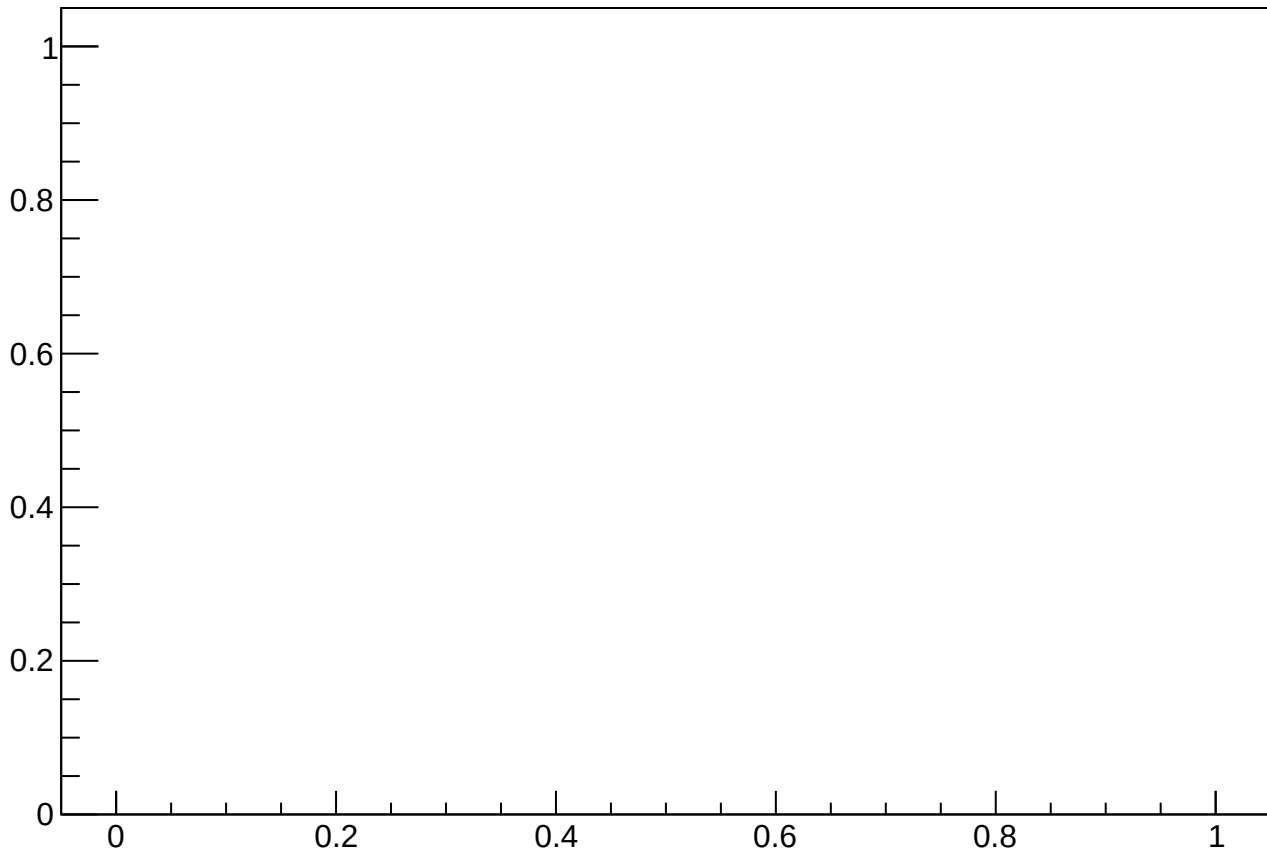
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

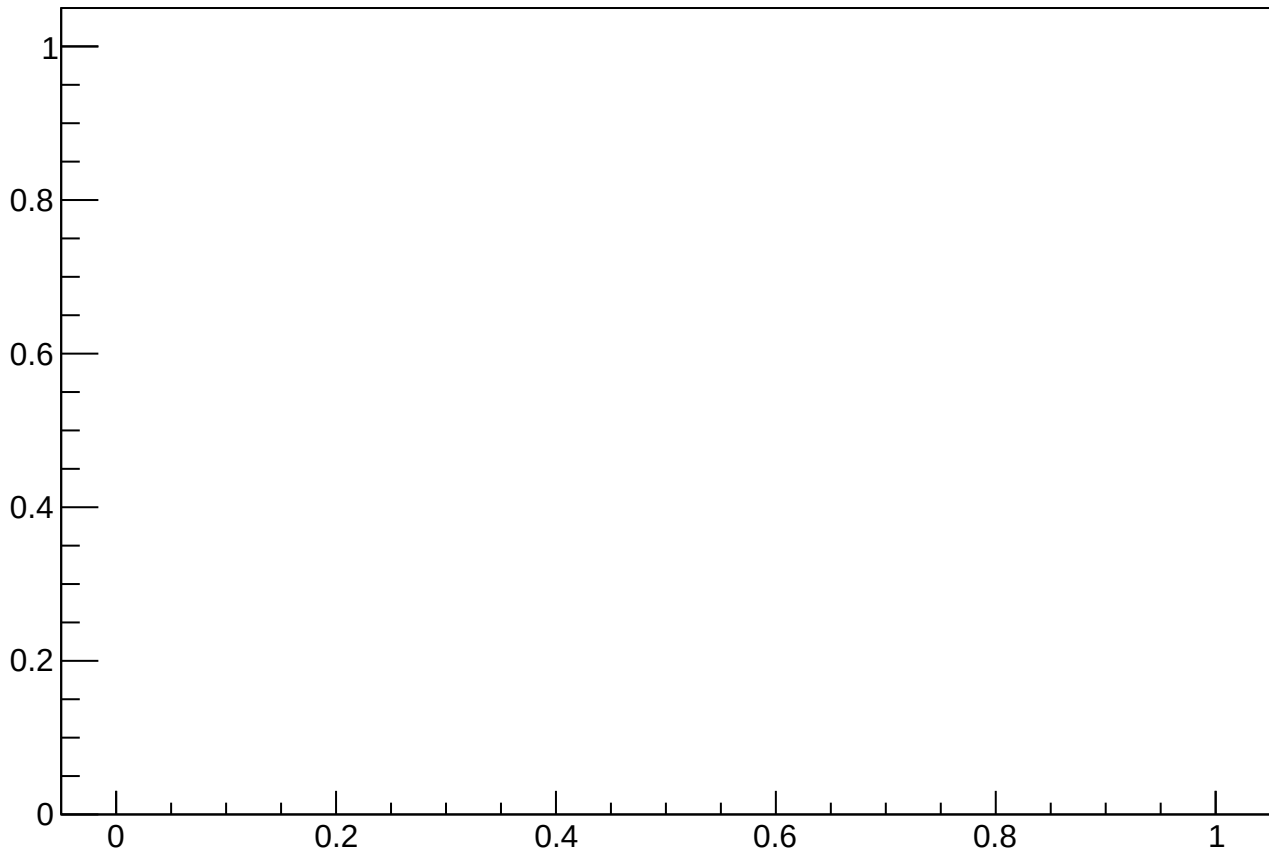
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

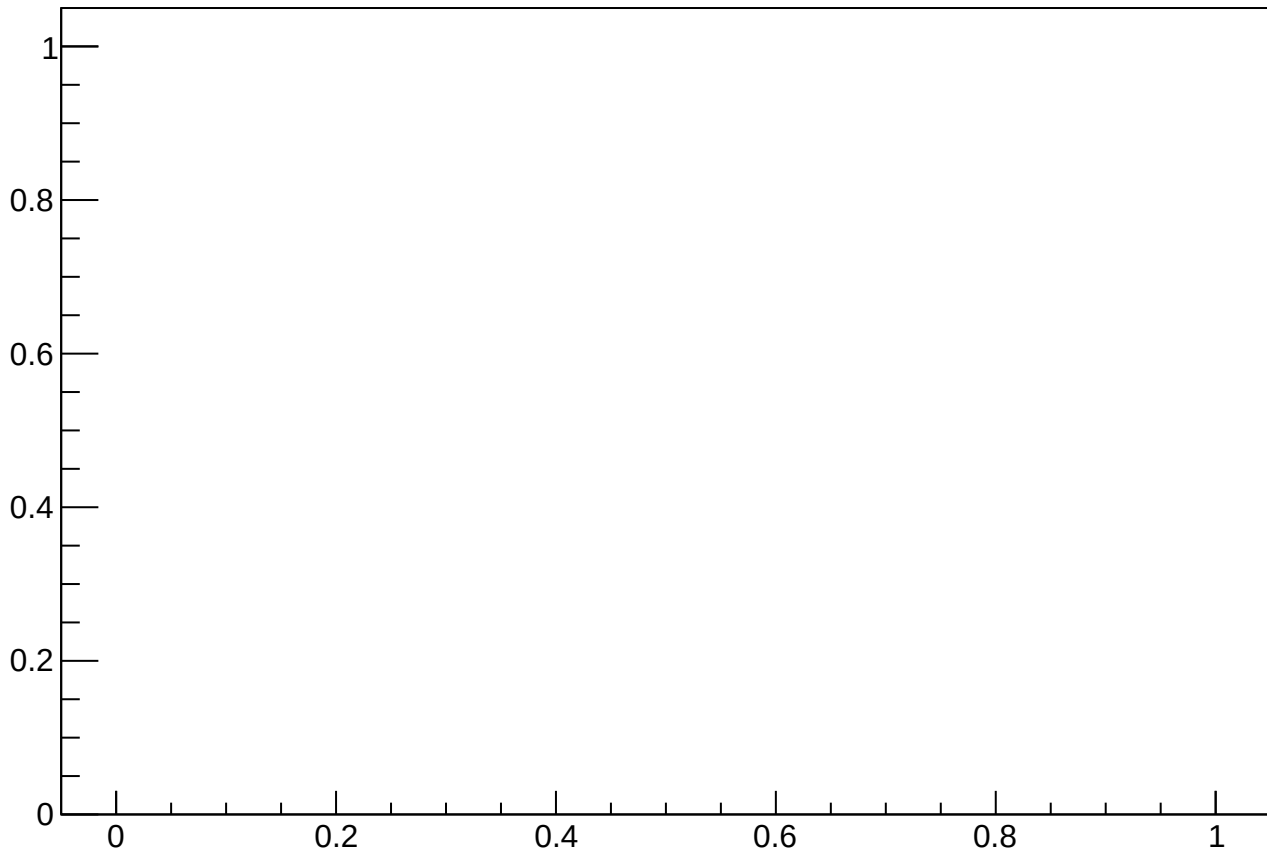
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

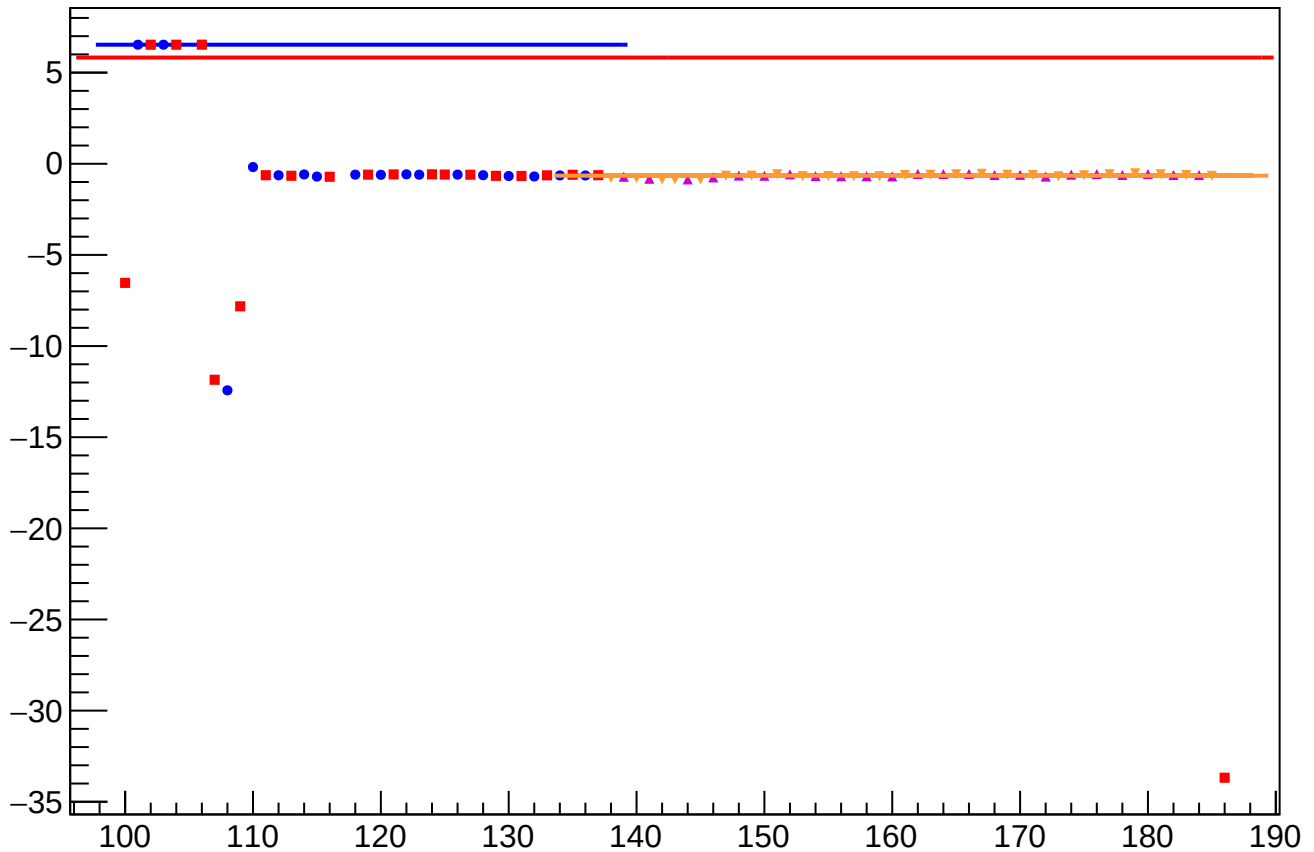
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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 : 127601781164.3/16

Left Out: -0.654 $\pm$ 0.000 χ^2/NDF : 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2/NDF : 755961944202336.5/19

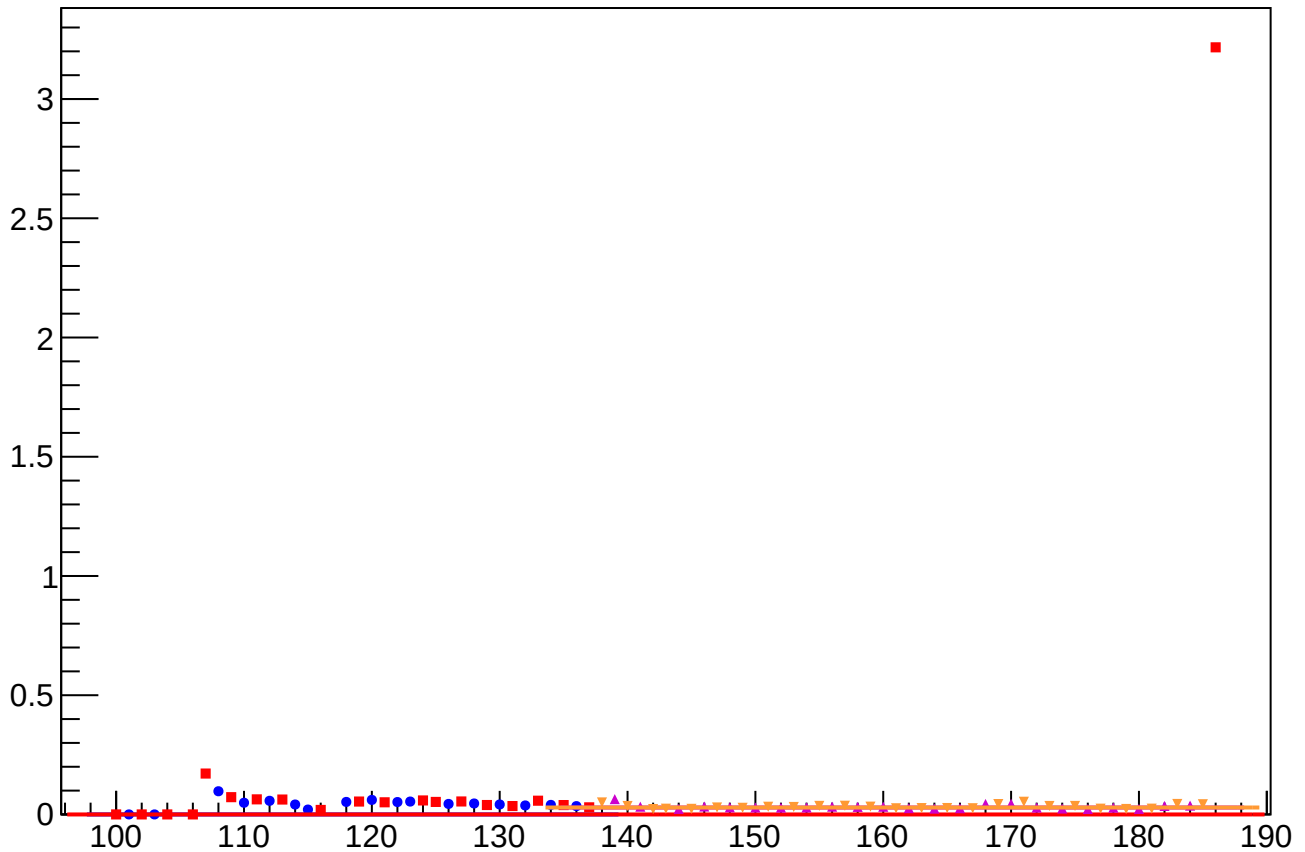
Left In: -0.643 $\pm$ 0.000 χ^2/NDF : 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2/NDF : 1001441305721.7/41

All: 6.153 $\pm$ 0.000 χ^2/NDF : 77762694161696

- sign 5.826 $\pm$ 0.000 χ^2/NDF : 756640407360831.5/19

yield_cav4bX_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8848188.8/16

Left Out: 0.029 $\pm$ 0.000 χ^2/NDF : 1484308.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 10035964.6/19

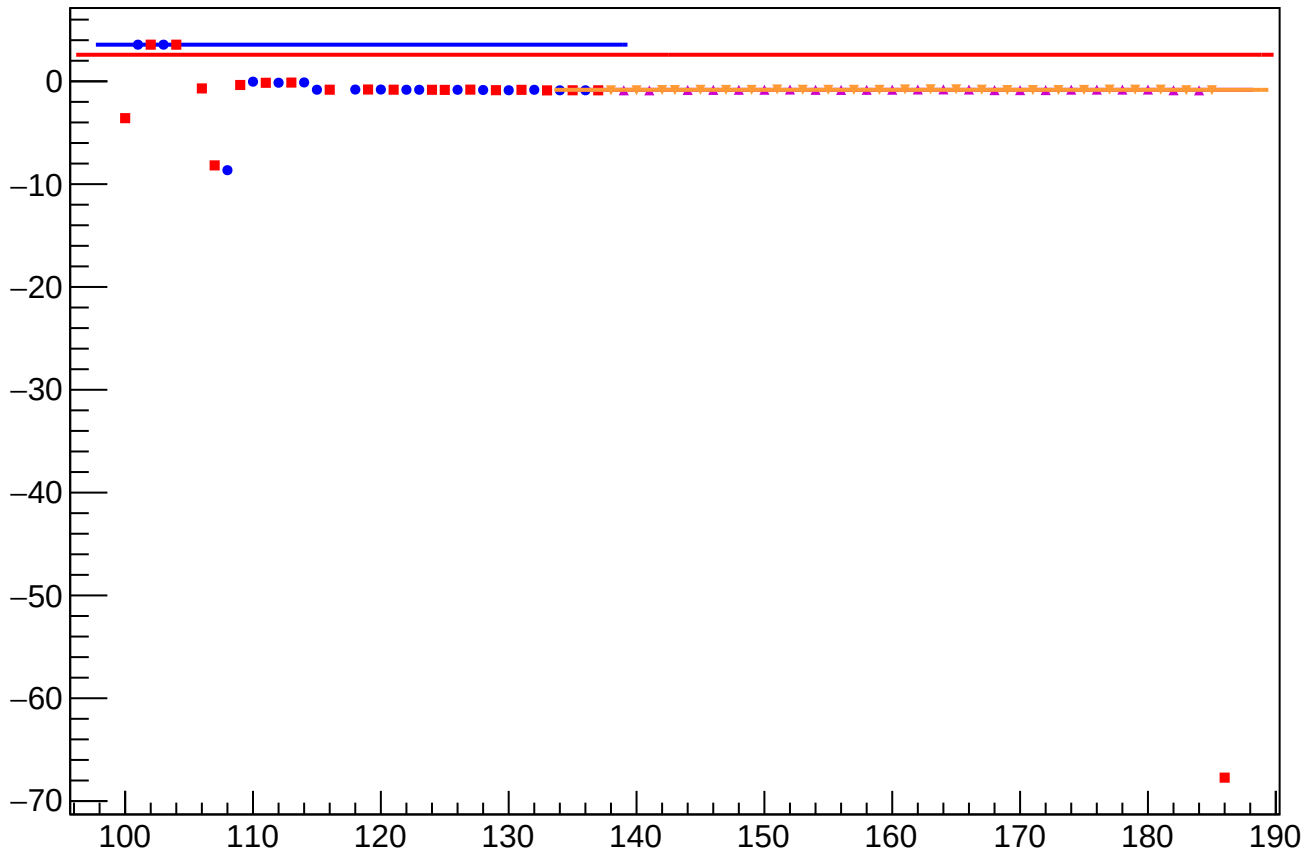
Left In: 0.029 $\pm$ 0.000 χ^2/NDF : 1206492.9/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 38811969.8/41

All: 0.000 $\pm$ 0.000 χ^2/NDF : 77030467.9/84

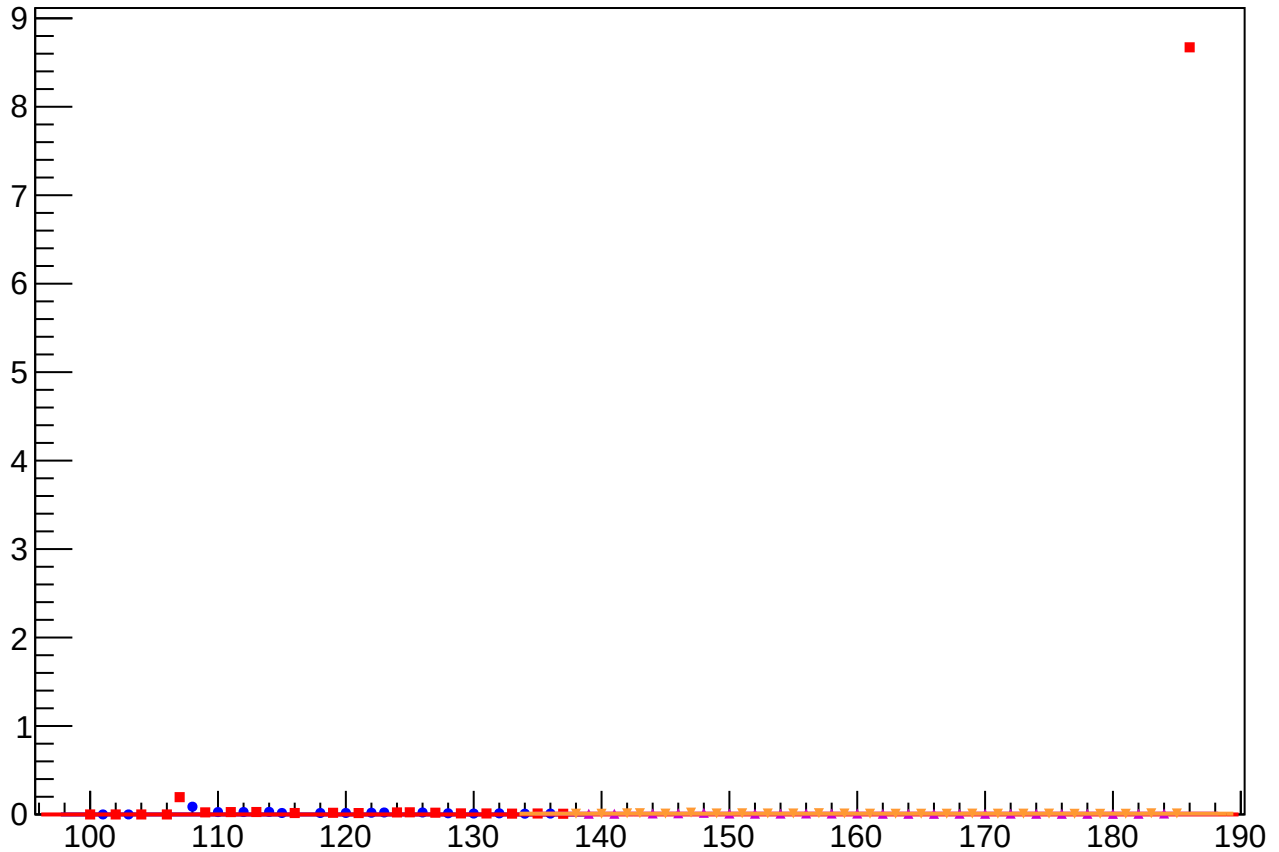
- sign 0.000 $\pm$ 0.000 χ^2/NDF : 38217829.6/42

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000	χ^2/NDF : 480140963917.5/16	+ sign 3.560+/-0.000	χ^2/NDF : 4176590136265.4/41
Left Out: -0.827+/-0.000	χ^2/NDF : 170052639.9/24	All: 3.038+/-0.000	χ^2/NDF : 13879772019937.0/19
Right Out: 2.583+/-0.000	χ^2/NDF : 1253501393802194.8/19	- sign 2.581+/-0.000	χ^2/NDF : 1255722489094453.0/19
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 : 9686061.1/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10539753.4/19

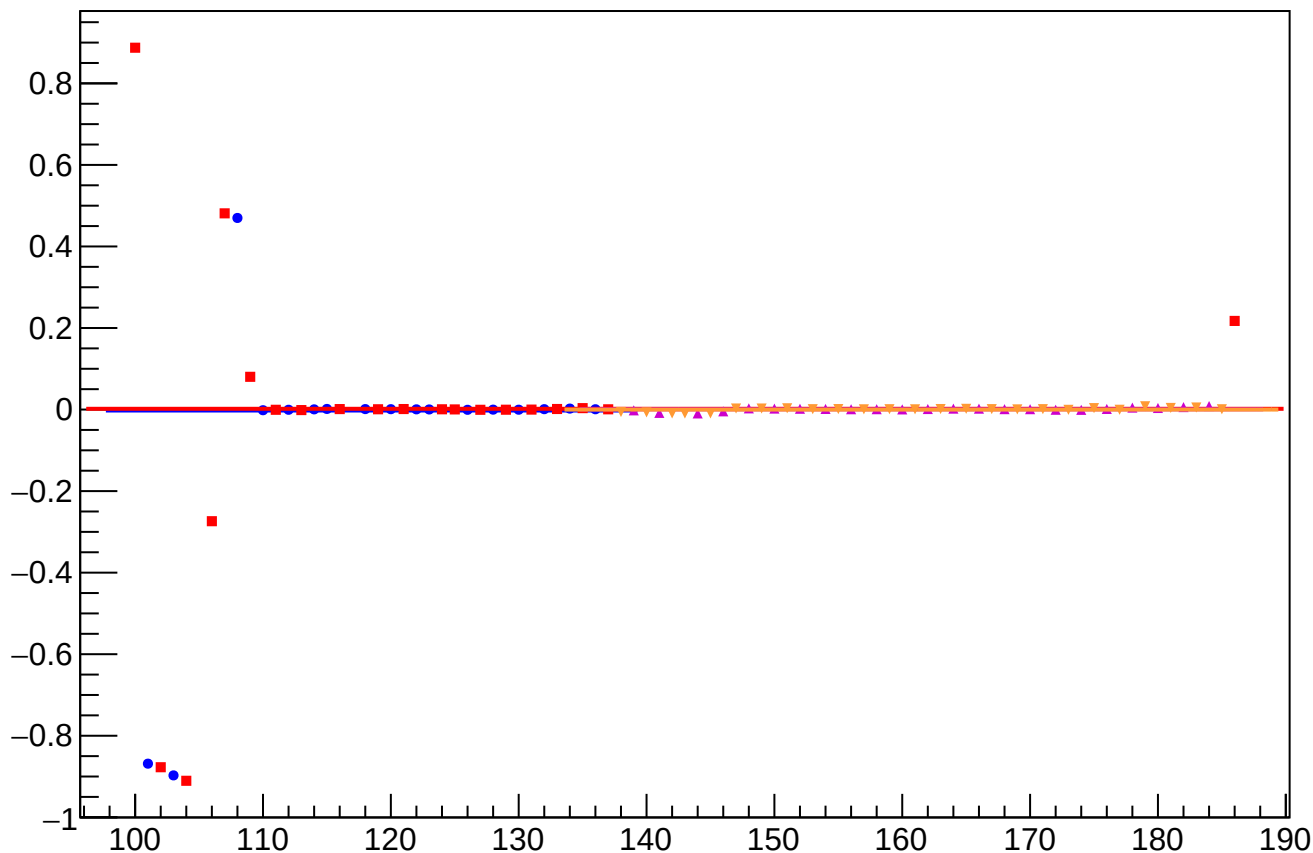
Left In: 0.009+/-0.000 χ^2/NDF : 1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 41194517.4/41

All: 0.000+/-0.000 χ^2/NDF : 81542077.3/84

- sign 0.000+/-0.000 χ^2/NDF : 40346480.9/42

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794882359.1/16

Left Out: -0.000+/-0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3041332917.7/19

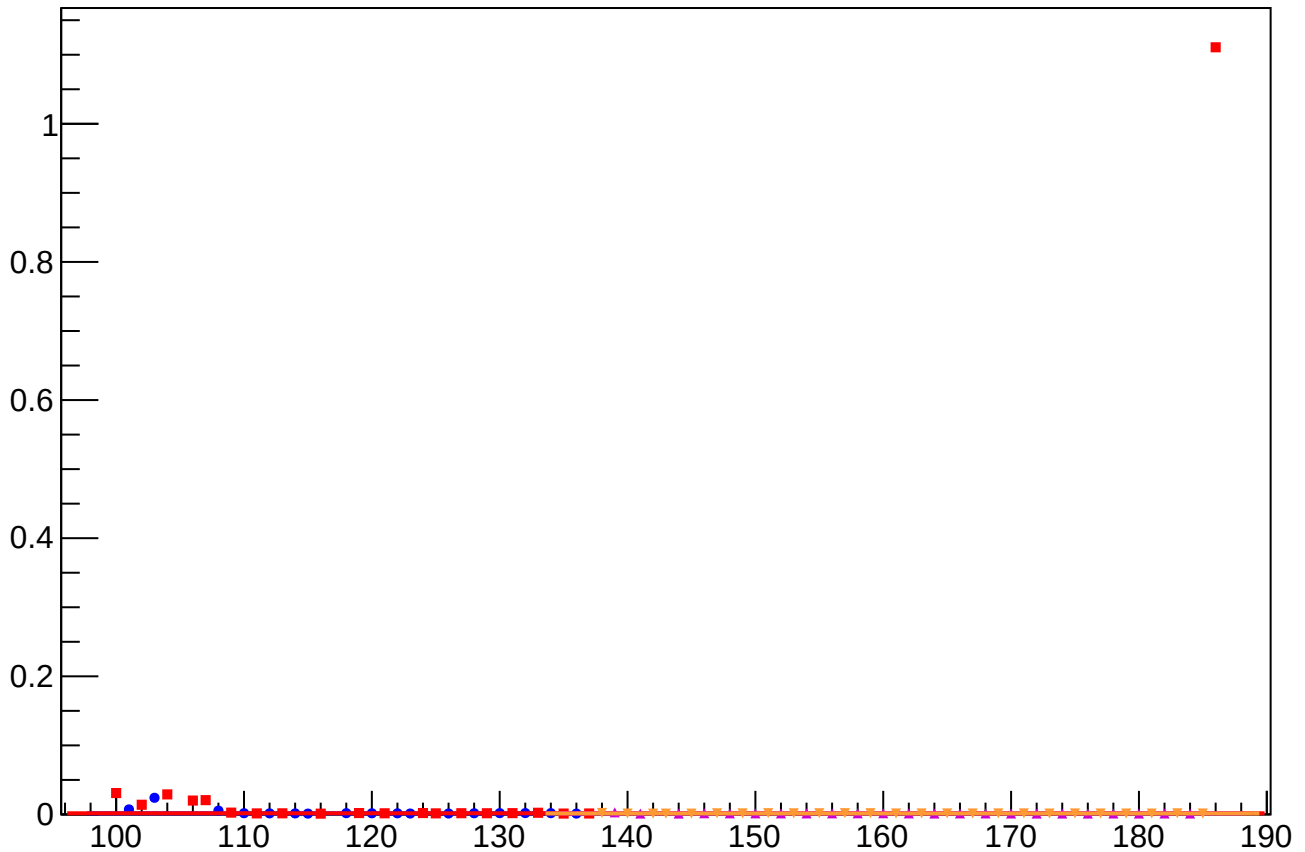
Left In: 0.001+/-0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001+/-0.000 χ^2/NDF : 9953407223.7/41

All: 0.000+/-0.000 χ^2/NDF : 13105733676.9/8

- sign 0.001+/-0.000 χ^2/NDF : 3144775617.8/42

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1921590.0/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539040.4/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3726564.3/19

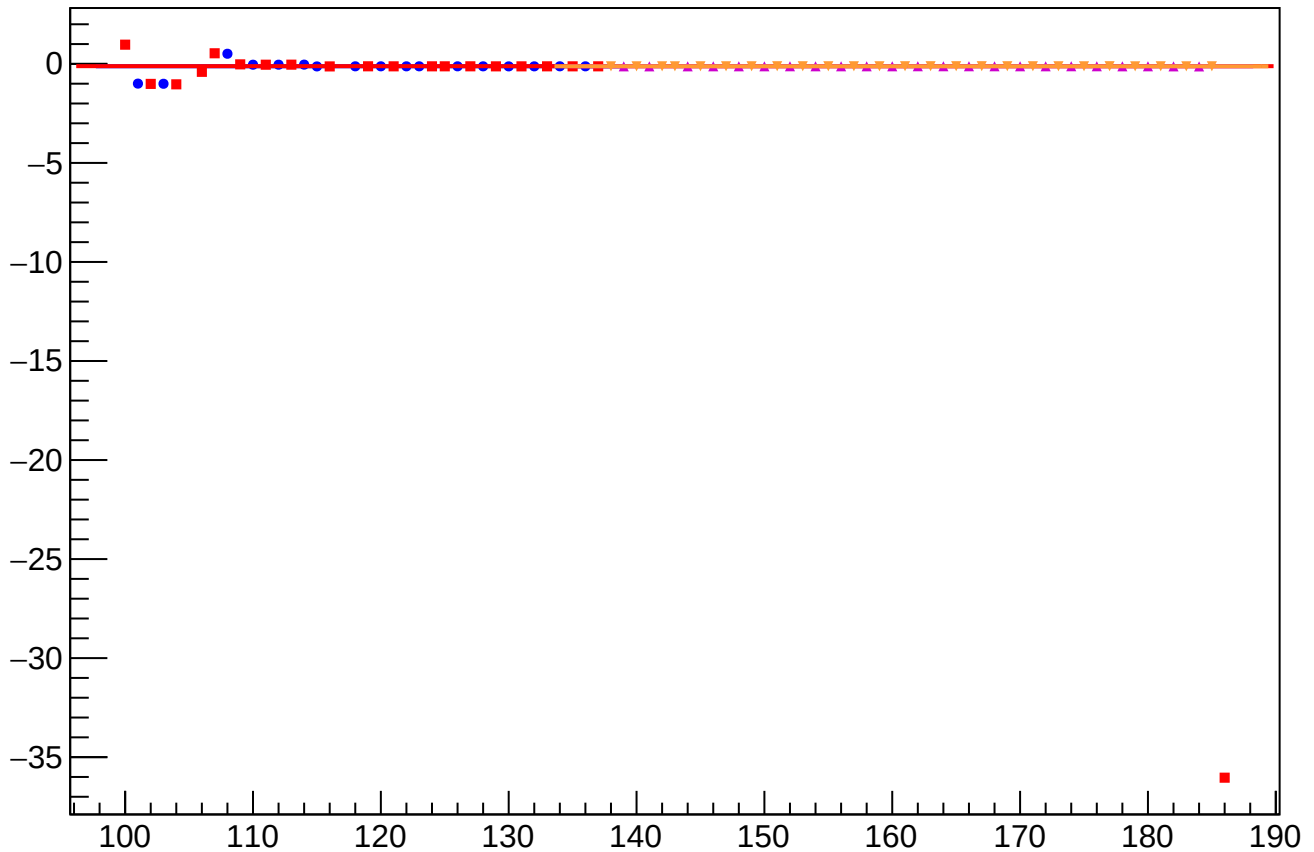
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:659543.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2529986.6/41

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7031518.8/84

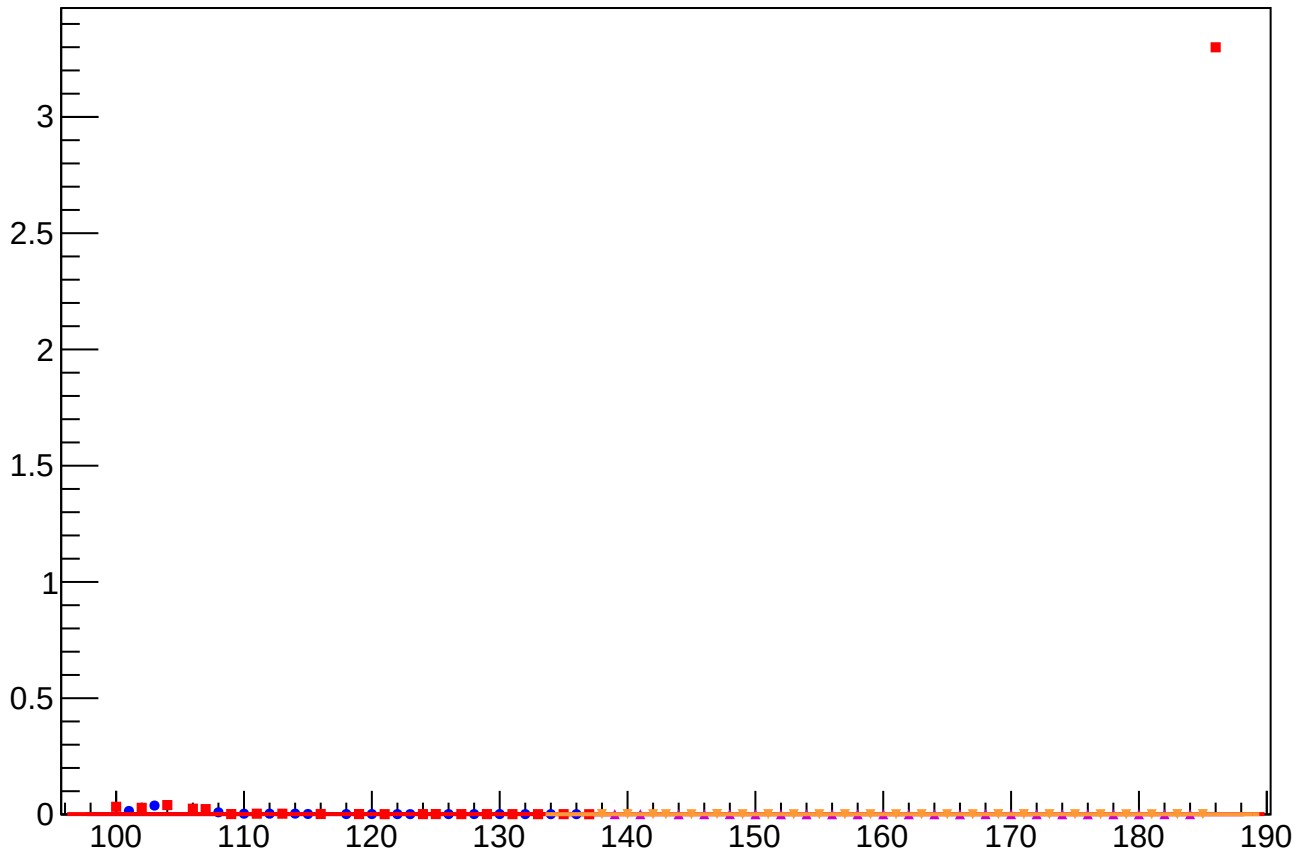
- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4493674.5/42

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932599788.9/16 + sign -0.121+/-0.000 χ^2/NDF : 3991936127.7/41
Left Out: -0.121+/-0.000 χ^2/NDF : 58329026.8/24 All: -0.121+/-0.000 χ^2/NDF : 6599278567.7/8
Right Out: -0.115+/-0.000 χ^2/NDF : 2498317388.1/19 - sign -0.120+/-0.000 χ^2/NDF : 2603245367.9/42
Left In: -0.121+/-0.000 χ^2/NDF : 53134323.3/22

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2897244.2/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1362851.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 4246759.1/19

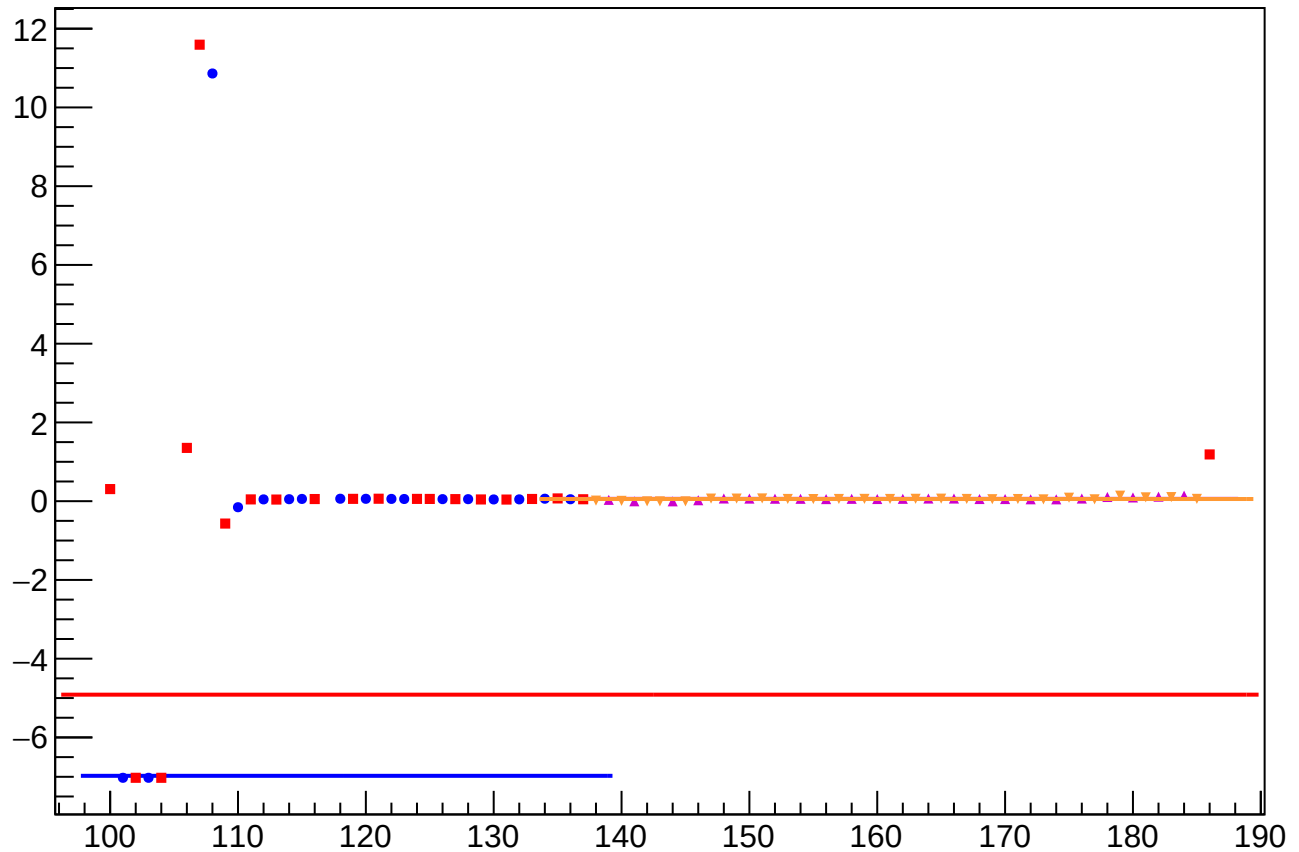
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:972588.0/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5415540.0/41

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 11740479.5/84

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 6322952.0/42

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762449111165.9/16

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348546867901.9/19

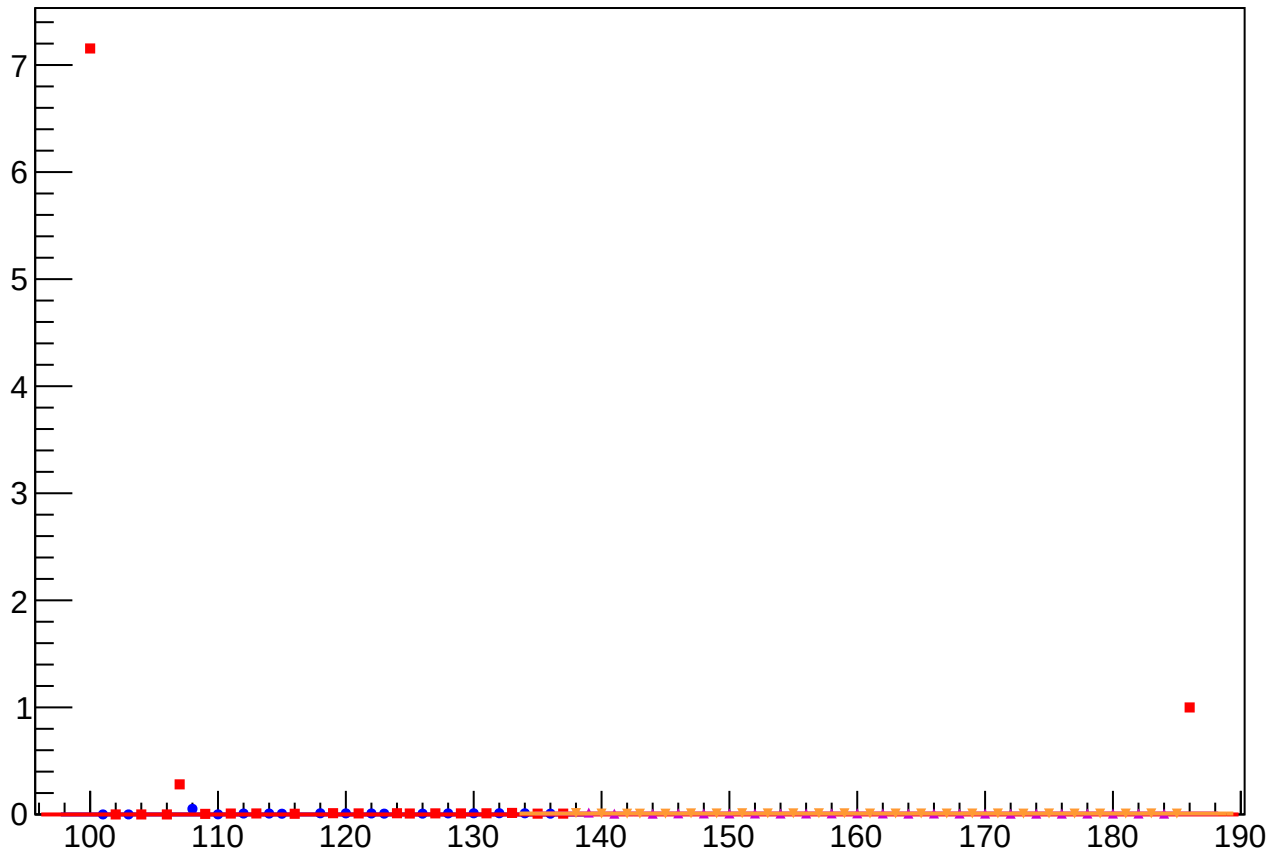
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417439859406.6/16

All: -5.858 ± 0.000 χ^2/NDF : 4435811758998.0/16

- sign -4.882 ± 0.000 χ^2/NDF : 369770838854560.1/16

yield_cav4dX_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8227727.7/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:513737.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9455873.0/19

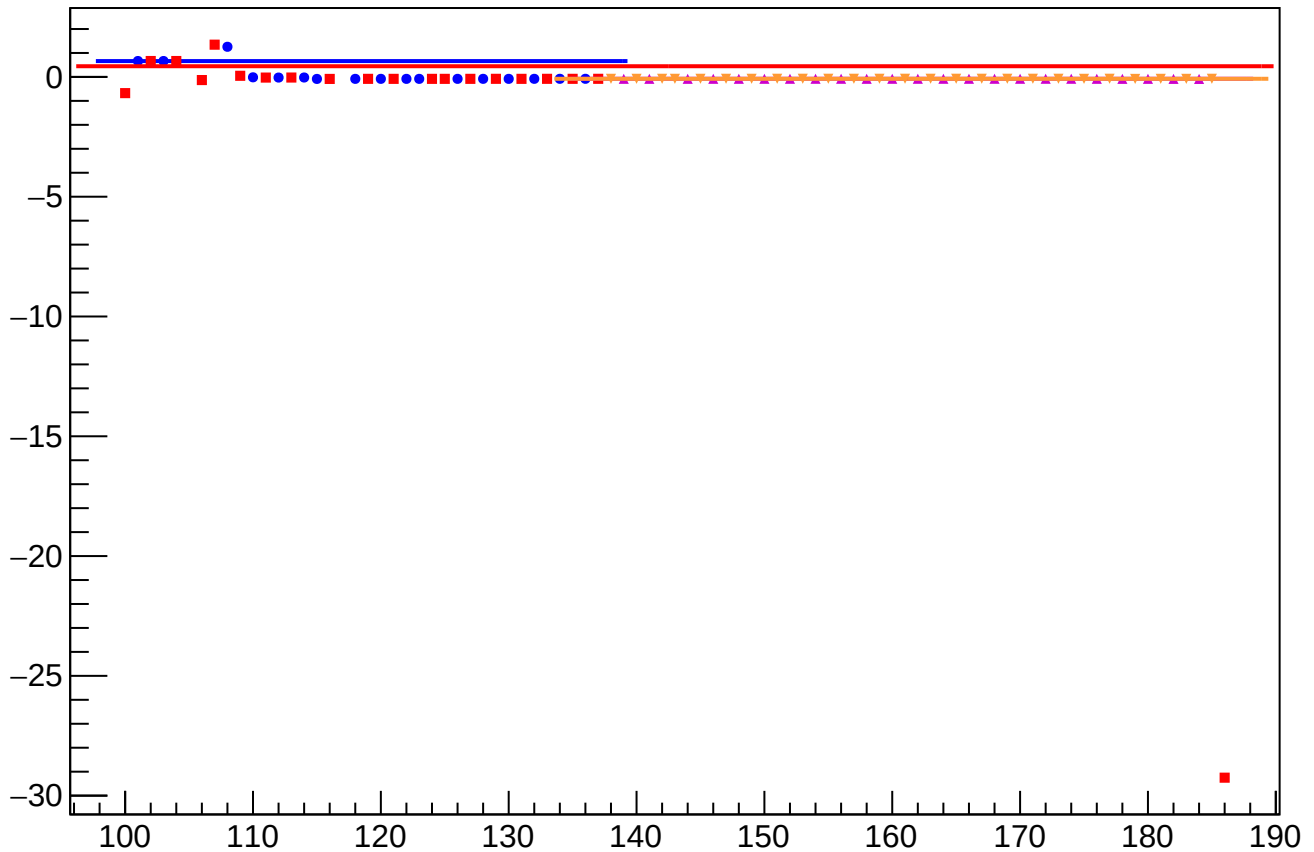
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:636557.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37215831.8/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 74350750.0/84

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37130455.5/42

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5585151330309.5/16

Left Out: -0.078+/-0.000 χ^2/NDF : 156525648.0/24

Right Out: 0.446+/-0.000 χ^2/NDF : 405416779429110.9/19

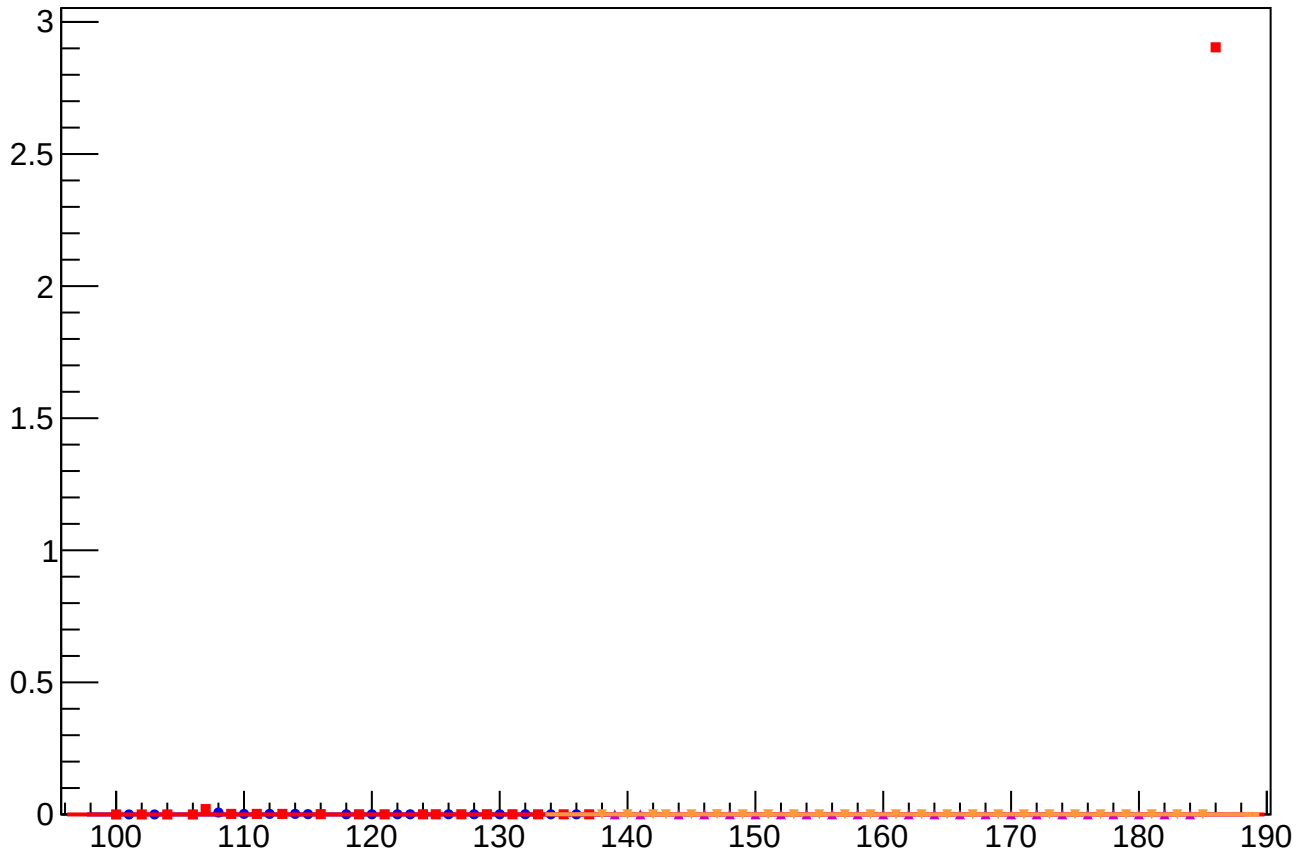
Left In: -0.077+/-0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646+/-0.000 χ^2/NDF : 35752666107528.9/4

All: 0.537+/-0.000 χ^2/NDF : 51598120149119

- sign 0.437+/-0.000 χ^2/NDF : 419648332307406.1/1

yield_cav4dY_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9835626.2/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:466355.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 10152999.5/19

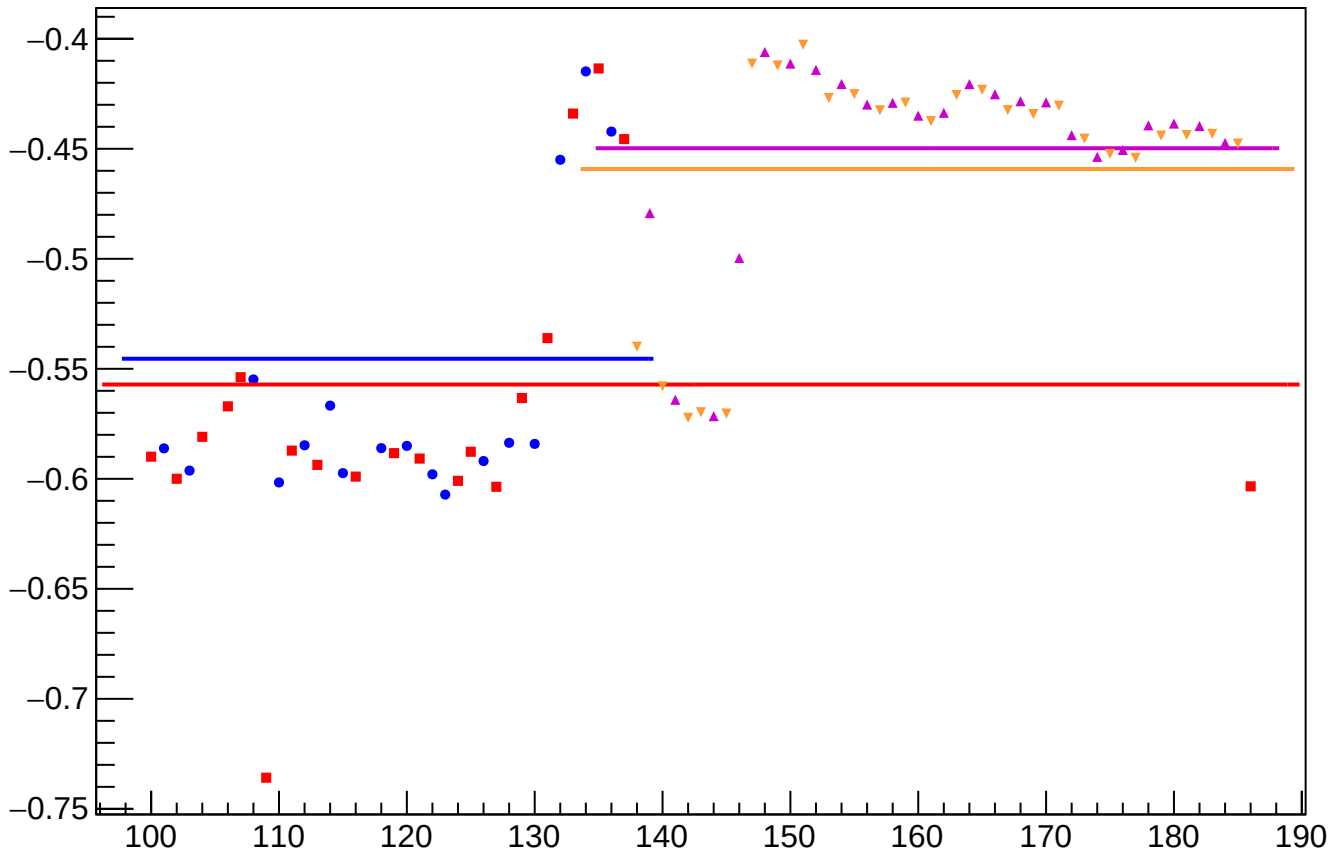
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:355587.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42485293.8/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 83682663.7/84

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 41190222.1/42

yield_bpm4aX_mean vs Slug



Right In: -0.545+/-0.000 χ^2/NDF : 46353554.3/16

Left Out: -0.459+/-0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.557+/-0.000 χ^2/NDF : 64138565.6/19

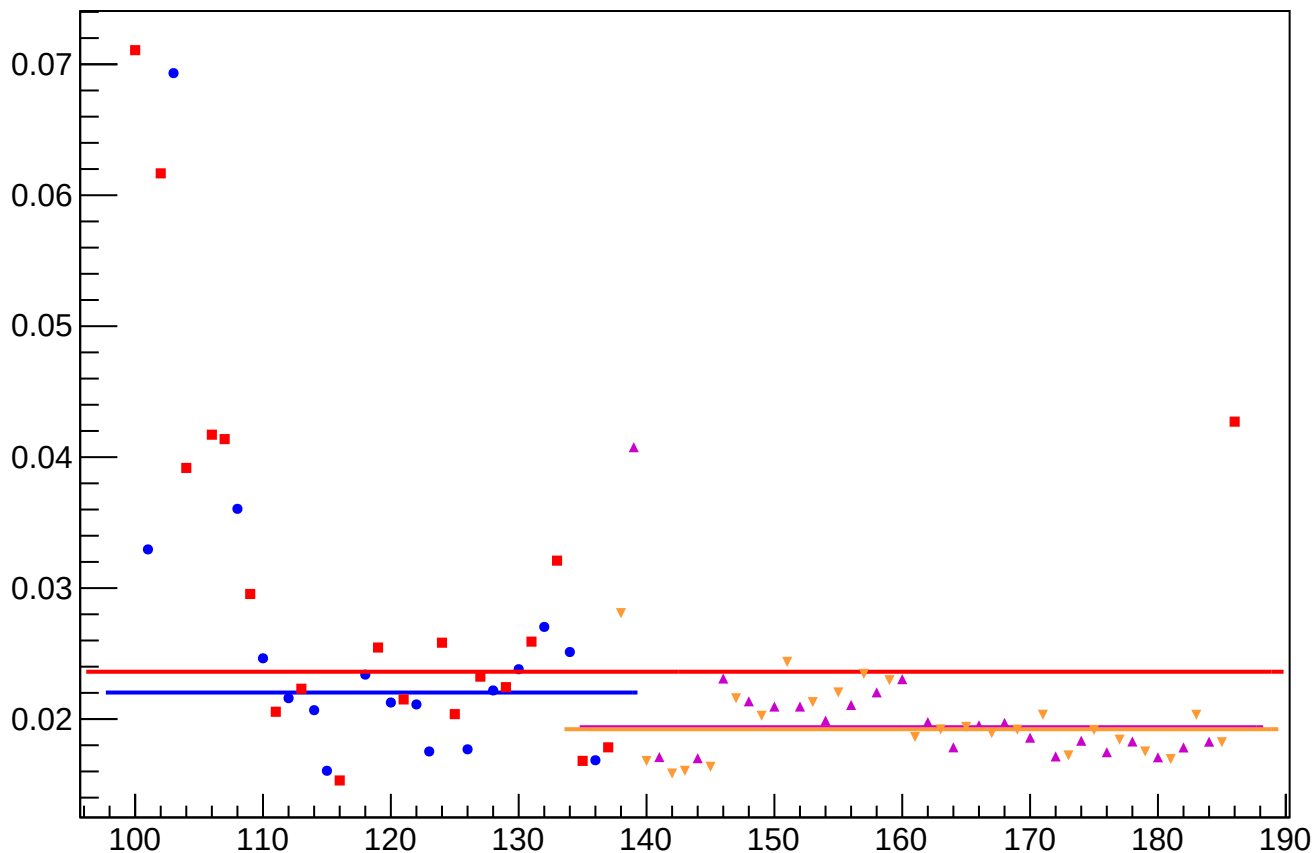
Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

+ sign -0.477+/-0.000 χ^2/NDF : 221519239.1/41

All: -0.475+/-0.000 χ^2/NDF : 453435282.7/84

- sign -0.472+/-0.000 χ^2/NDF : 231434632.8/42

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 958242.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 501253.7/24

Right Out: 0.024+/-0.000 χ^2/NDF : 1297162.1/19

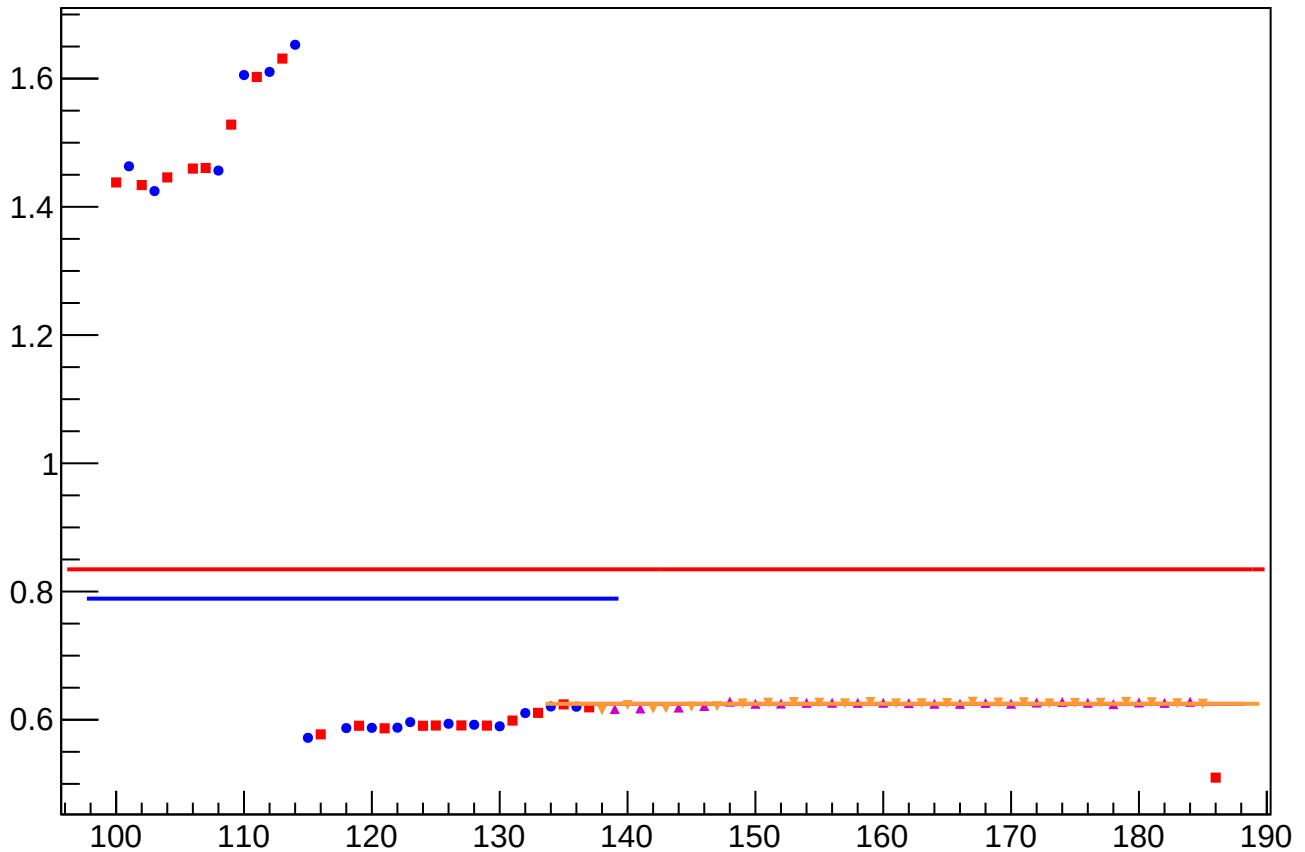
Left In: 0.019+/-0.000 χ^2/NDF : 656155.9/22

+ sign 0.020+/-0.000 χ^2/NDF : 1588837.3/41

All: 0.020+/-0.000 χ^2/NDF : 3836621.4/84

- sign 0.020+/-0.000 χ^2/NDF : 2236865.0/42

yield_bpm4aY_mean vs Slug



Right In: 0.789 $\pm$ 0.000 χ^2 /NDF: 3572292316.9/16

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.835 $\pm$ 0.000 χ^2 /NDF: 4147427451.5/19

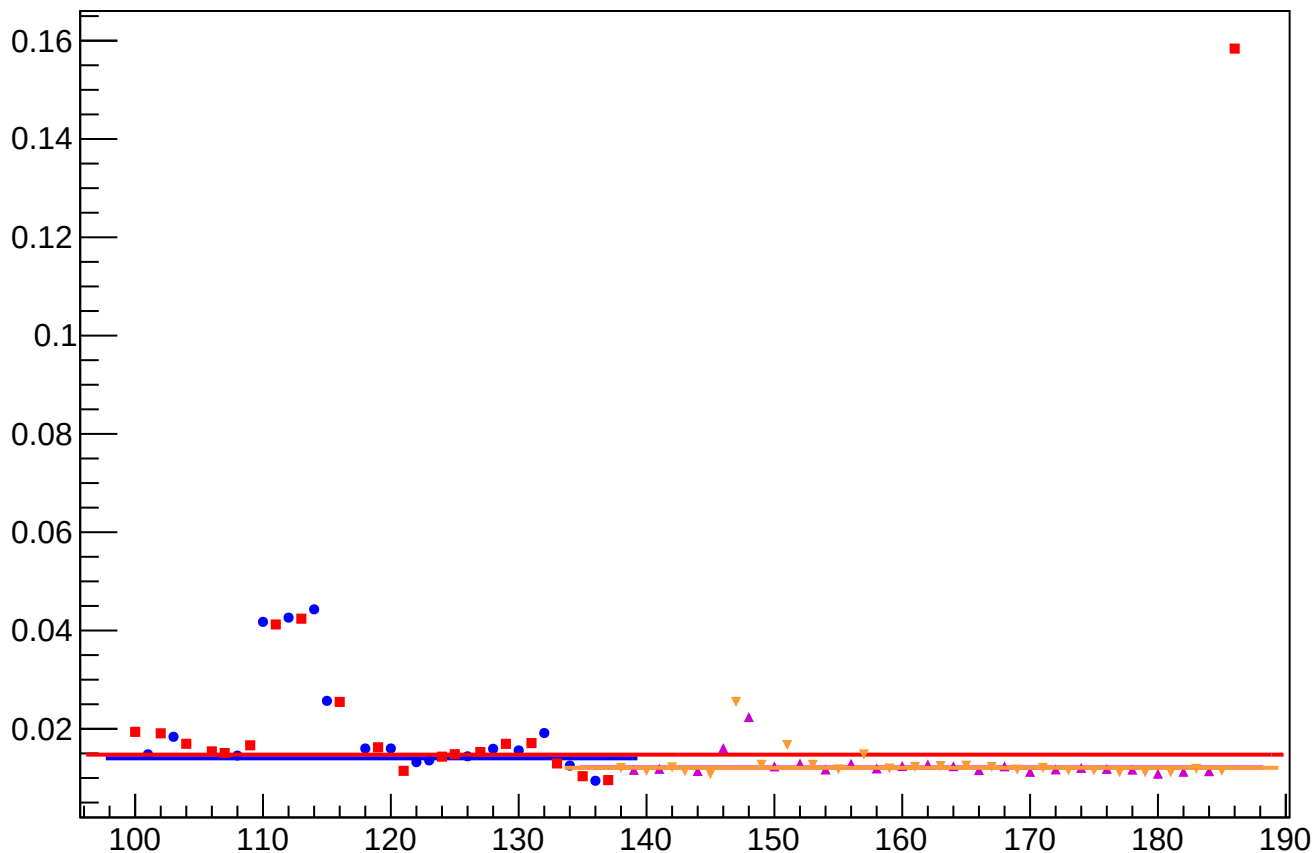
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.656 $\pm$ 0.000 χ^2 /NDF: 4196151674.0/41

All: 0.661 $\pm$ 0.000 χ^2 /NDF: 9336073309.4/84

- sign 0.666 $\pm$ 0.000 χ^2 /NDF: 5133016064.1/42

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1393658.1/16

Left Out: 0.012+/-0.000 χ^2/NDF : 657433.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1842922.5/19

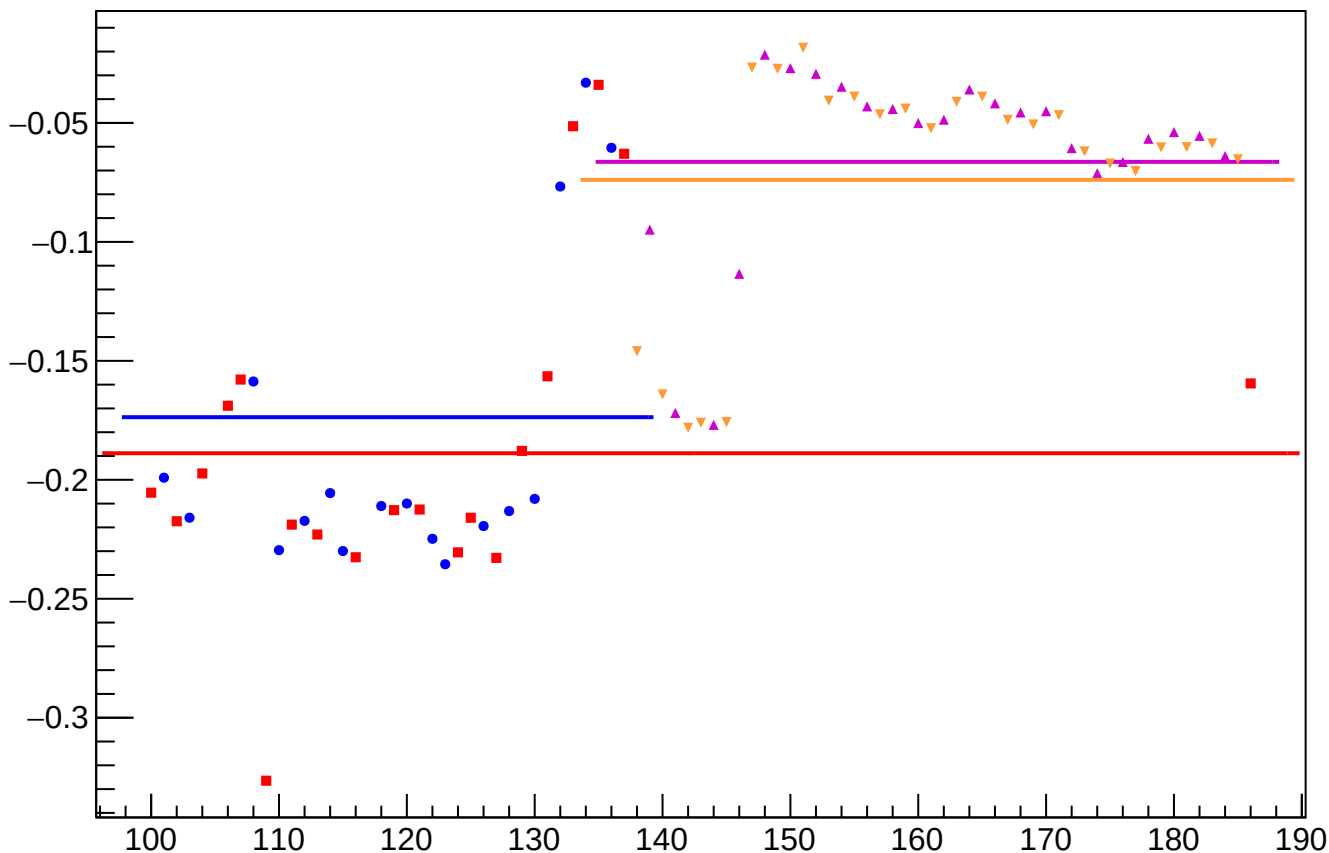
Left In: 0.012+/-0.000 χ^2/NDF : 488249.4/22

+ sign 0.012+/-0.000 χ^2/NDF : 2222342.2/41

All: 0.013+/-0.000 χ^2/NDF : 4864943.7/84

- sign 0.013+/-0.000 χ^2/NDF : 2636340.0/42

yield_bpm4eX_mean vs Slug



Right In: -0.174+/-0.000 χ^2/NDF : 66840344.3/16

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.189+/-0.000 χ^2/NDF : 81602165.2/19

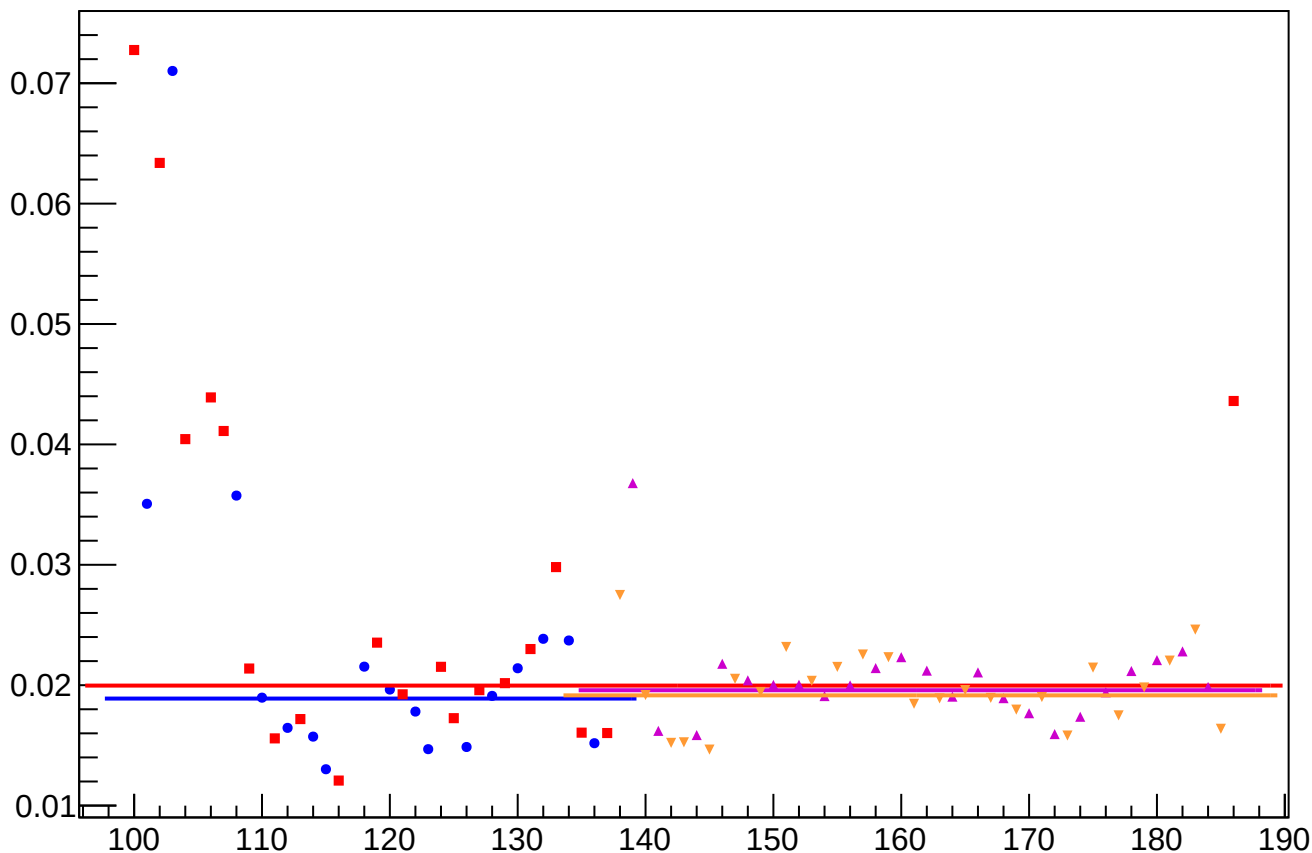
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.099+/-0.000 χ^2/NDF : 277776525.8/41

All: -0.099+/-0.000 χ^2/NDF : 585158184.1/84

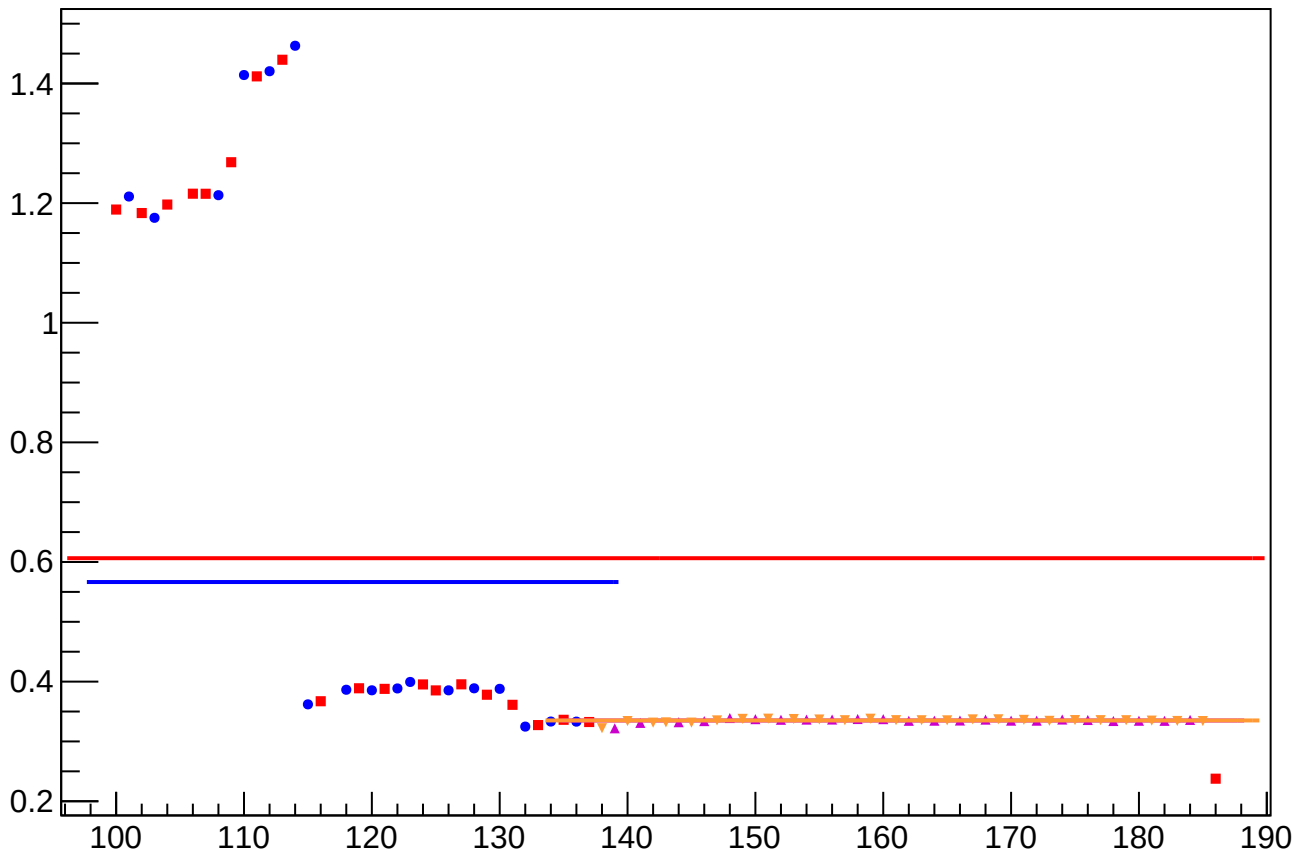
- sign -0.099+/-0.000 χ^2/NDF : 307381631.7/42

yield_bpm4eX_rms vs Slug



+ sign 0.019 ± 0.000 ($\chi^2/\text{NDF}: 1854733.9/41$)
 All: 0.019 ± 0.000 ($\chi^2/\text{NDF}: 4189274.4/84$)
 - sign 0.020 ± 0.000 ($\chi^2/\text{NDF}: 2315784.2/42$)

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2/NDF : 5026553135.6/16

Left Out: 0.335 $\pm$ 0.000 χ^2/NDF : 1153956.7/24

Right Out: 0.606 $\pm$ 0.000 χ^2/NDF : 5525190982.5/19

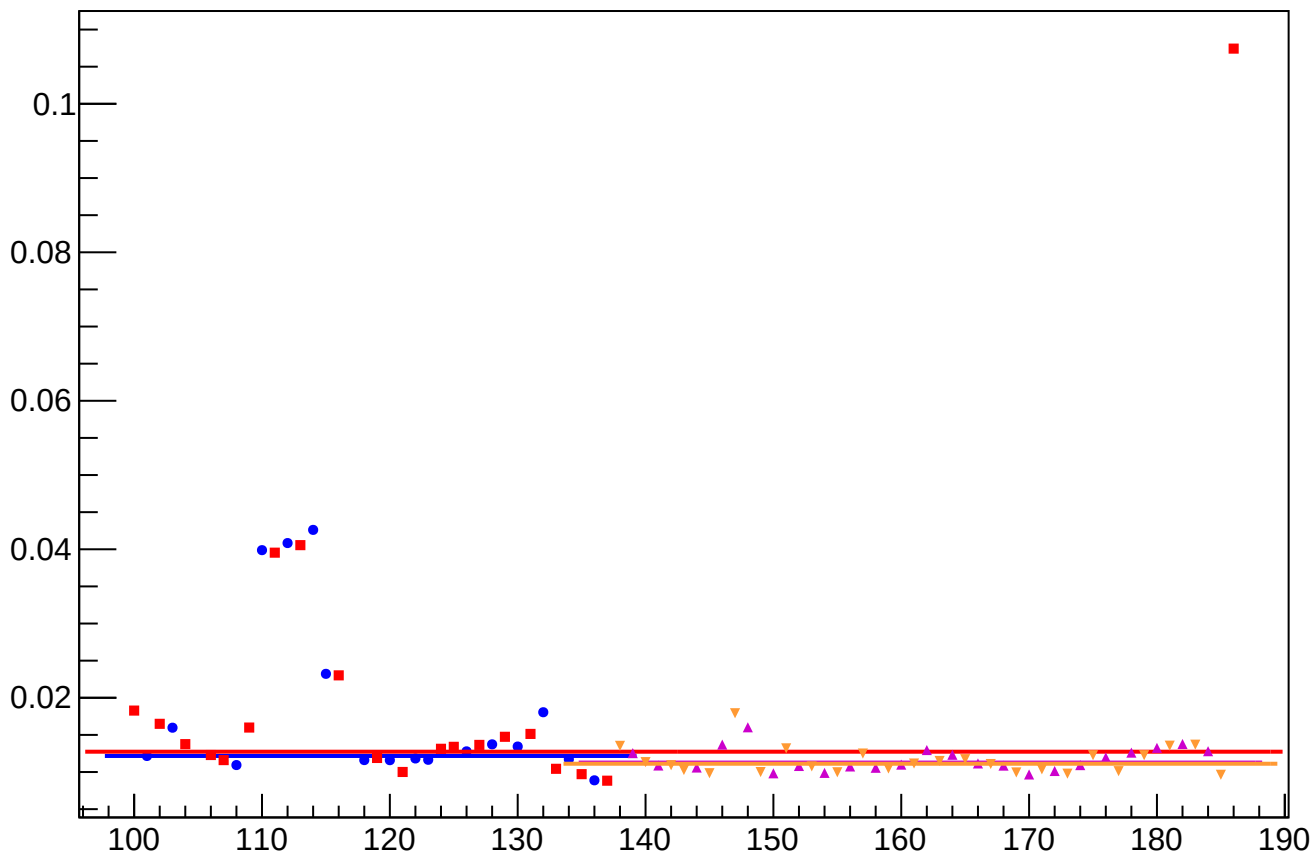
Left In: 0.335 $\pm$ 0.000 χ^2/NDF : 1198302.8/22

+ sign 0.384 $\pm$ 0.000 χ^2/NDF : 6624397931.1/41

All: 0.389 $\pm$ 0.000 χ^2/NDF : 14267750685.4/8

- sign 0.394 $\pm$ 0.000 χ^2/NDF : 7633626864.7/42

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1302333.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 608235.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1819205.3/19

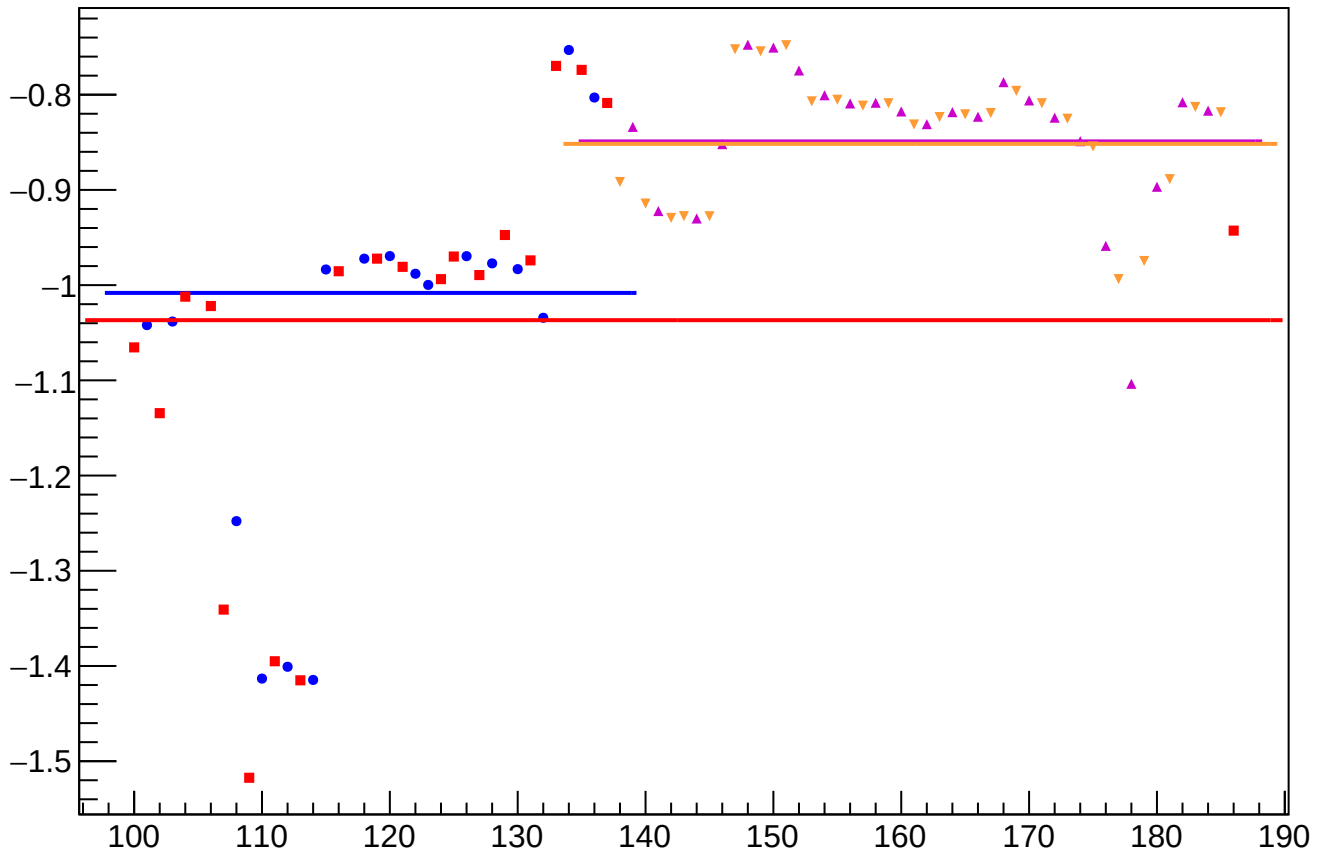
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502226.7/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1975856.7/41

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4431359.1/84

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2443966.1/42

yield_bpm4acX_mean vs Slug



Right In: -1.008 ± 0.000 χ^2/NDF : 393095883.4/16

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.037 ± 0.000 χ^2/NDF : 536301392.2/19

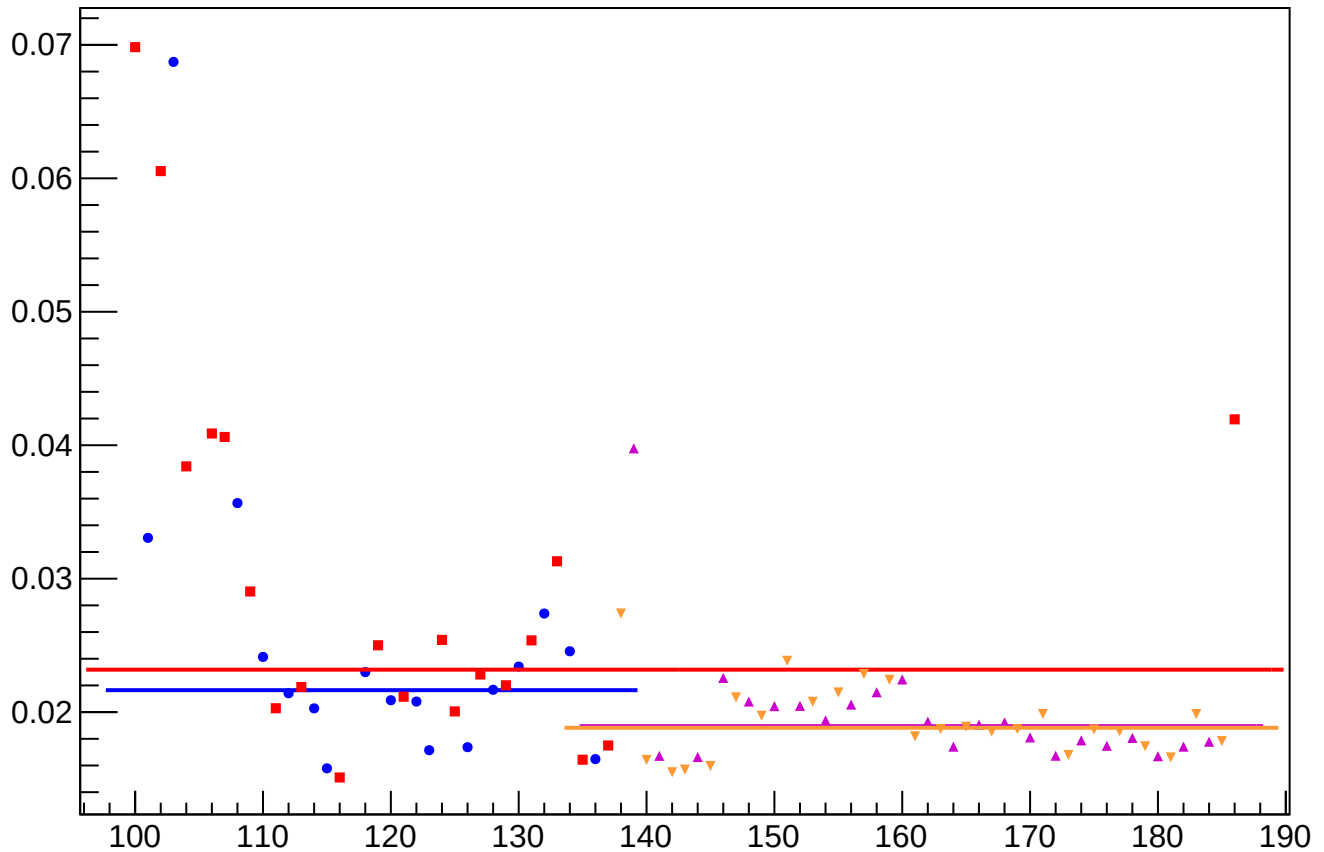
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884 ± 0.000 χ^2/NDF : 791678710.2/41

All: -0.886 ± 0.000 χ^2/NDF : 1874052767.0/8

- sign -0.888 ± 0.000 χ^2/NDF : 1081770132.7/42

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 983373.6/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 490084.5/24$

Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1293319.4/19$

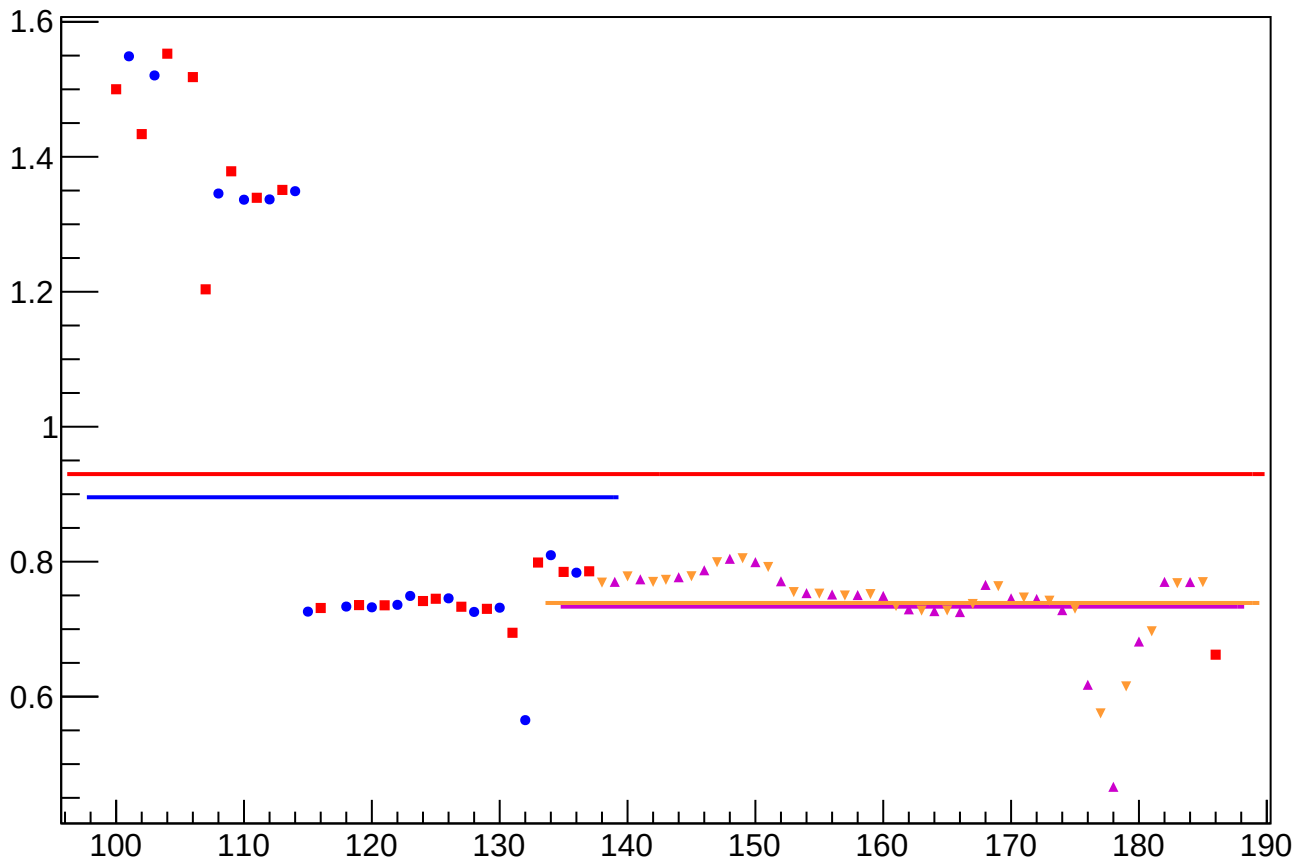
Left In: 0.019 ± 0.000 $\chi^2/\text{NDF}: 645048.1/22$

+ sign 0.019 ± 0.000 $\chi^2/\text{NDF}: 1608985.8/41$

All: 0.020 ± 0.000 $\chi^2/\text{NDF}: 3850713.1/84$

- sign 0.020 ± 0.000 $\chi^2/\text{NDF}: 2232076.1/42$

yield_bpm4acY_mean vs Slug



Right In: 0.895+/-0.000 χ^2/NDF : 2392918091.7/16

Left Out: 0.739+/-0.000 χ^2/NDF : 333086309.0/24

+ sign 0.768+/-0.000 χ^2/NDF : 3274875312.2/41

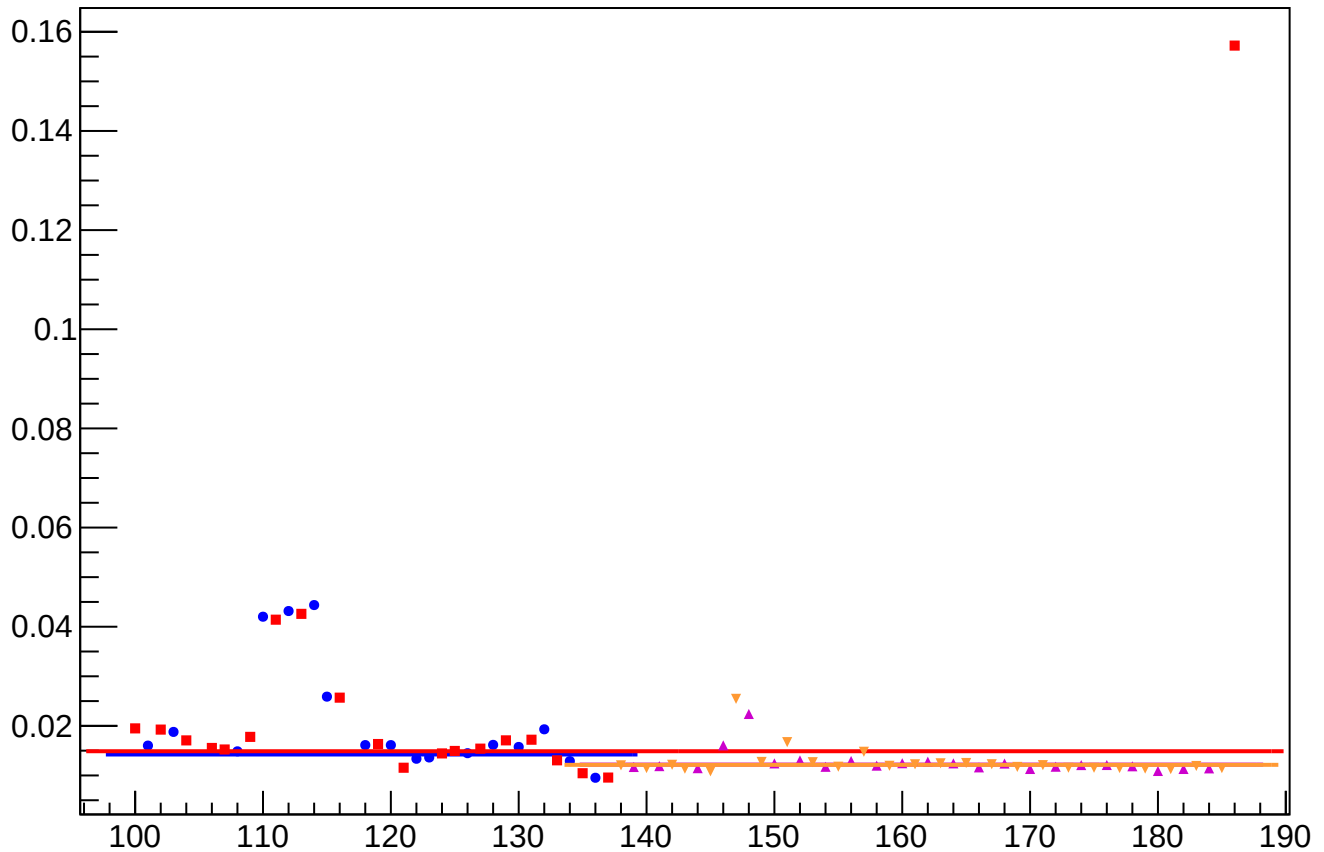
Right Out: 0.930+/-0.000 χ^2/NDF : 2421113217.2/19

All: 0.770+/-0.000 χ^2/NDF : 7113192274.6/84

- sign 0.771+/-0.000 χ^2/NDF : 3837524812.6/42

Left In: 0.733+/-0.000 χ^2/NDF : 570264411.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1403945.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1851004.2/19

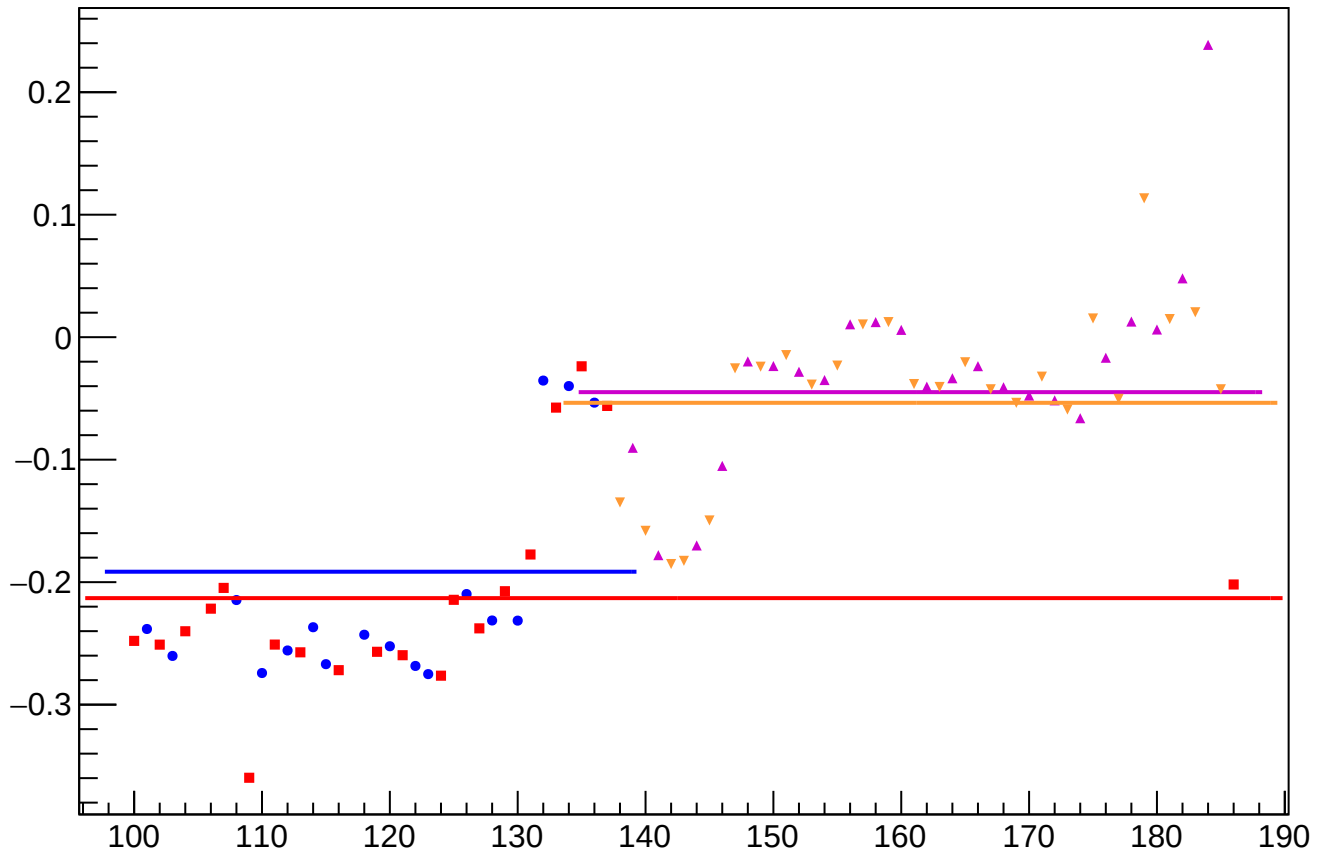
Left In: 0.012+/-0.000 χ^2/NDF : 481639.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 2236986.7/41

All: 0.013+/-0.000 χ^2/NDF : 4892923.6/84

- sign 0.013+/-0.000 χ^2/NDF : 2651200.9/42

yield_bpm4ecX_mean vs Slug



Right In: -0.191+/-0.000 χ^2/NDF : 105957051.0/16

Left Out: -0.054+/-0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.213+/-0.000 χ^2/NDF : 109627554.4/19

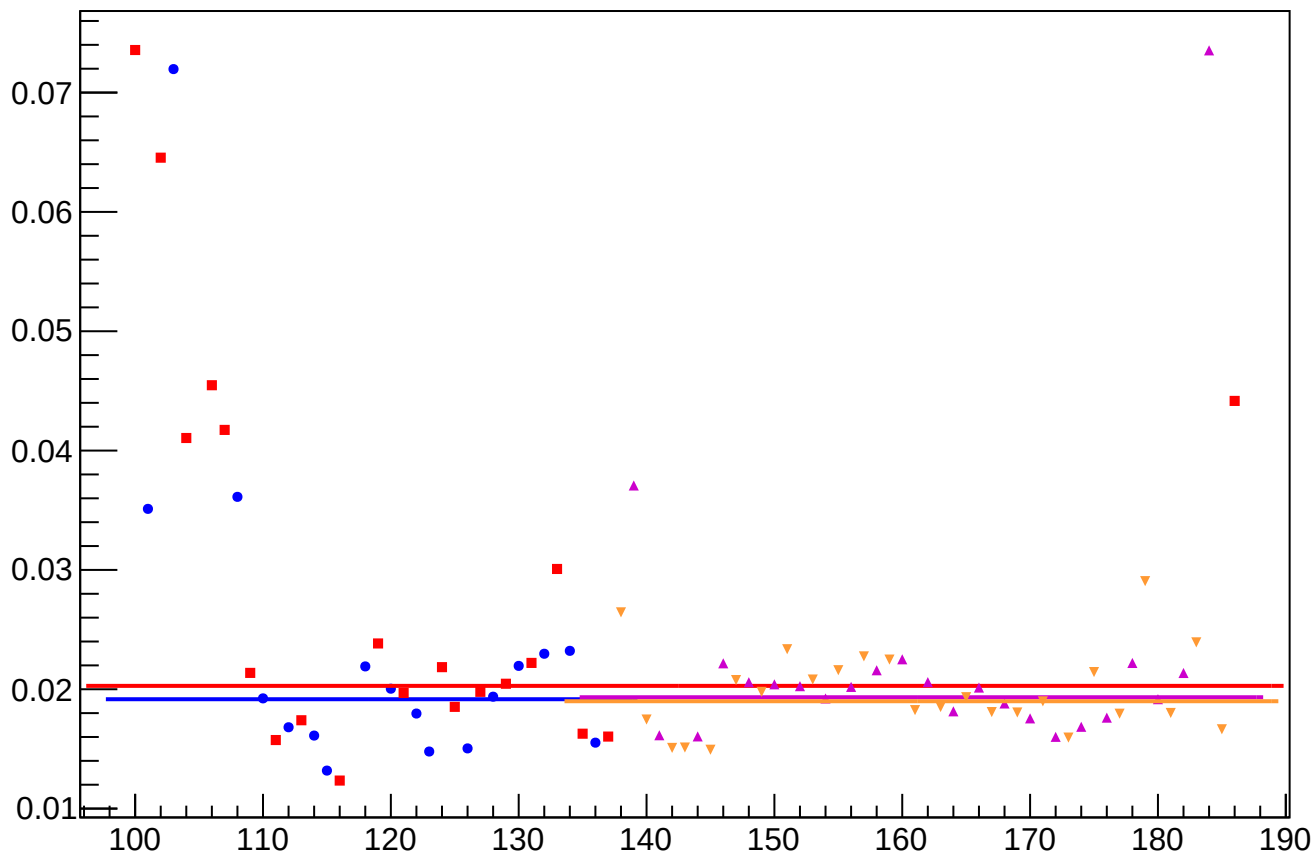
Left In: -0.045+/-0.000 χ^2/NDF : 127324000.1/22

+ sign -0.088+/-0.000 χ^2/NDF : 466015630.8/41

All: -0.088+/-0.000 χ^2/NDF : 977824541.1/84

- sign -0.089+/-0.000 χ^2/NDF : 511794364.1/42

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1183198.6/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 699267.5/24

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1651236.9/19

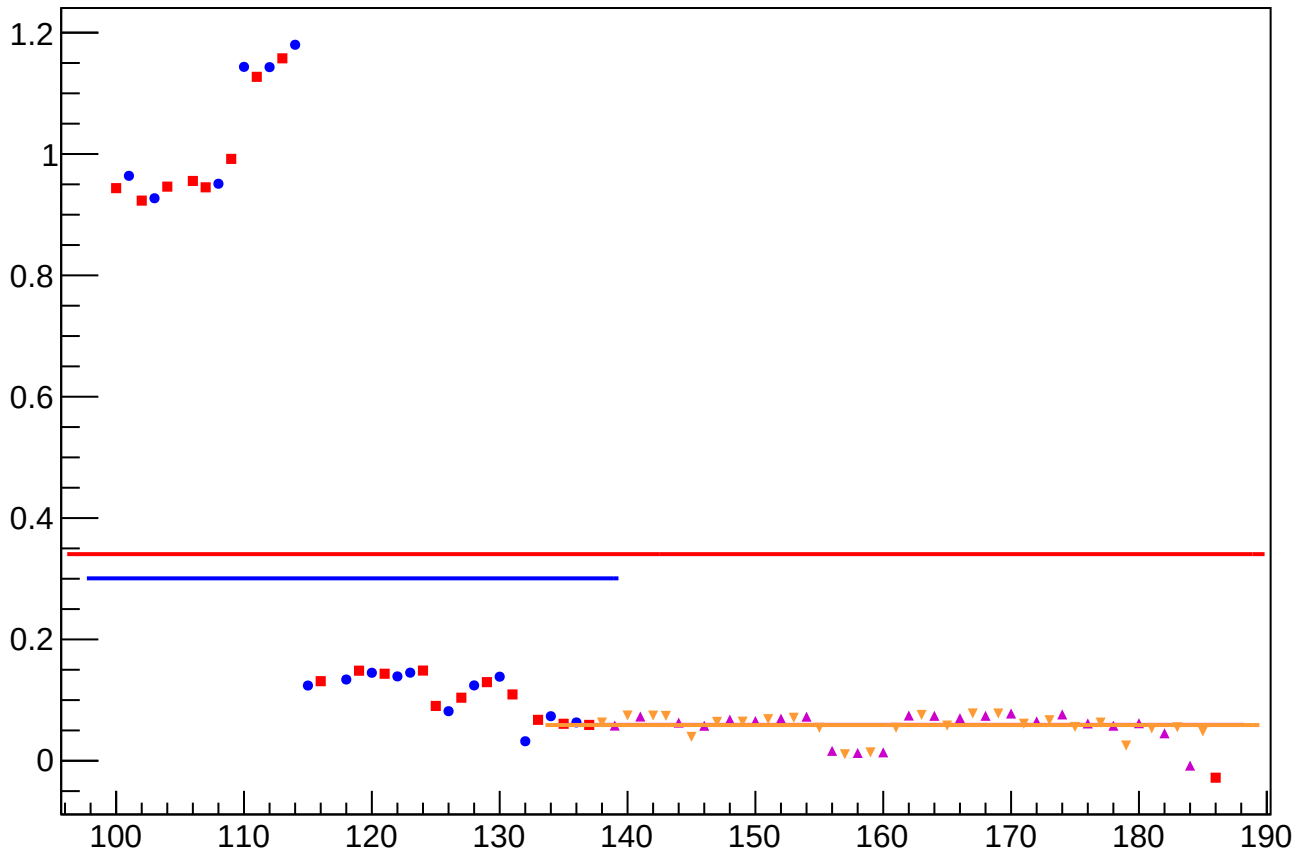
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 892810.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1883034.0/41

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 4459983.8/84

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2561722.2/42

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5169454550.2/16

Left Out: 0.059+/-0.000 χ^2/NDF : 46902918.4/24

Right Out: 0.341+/-0.000 χ^2/NDF : 5470120538.7/19

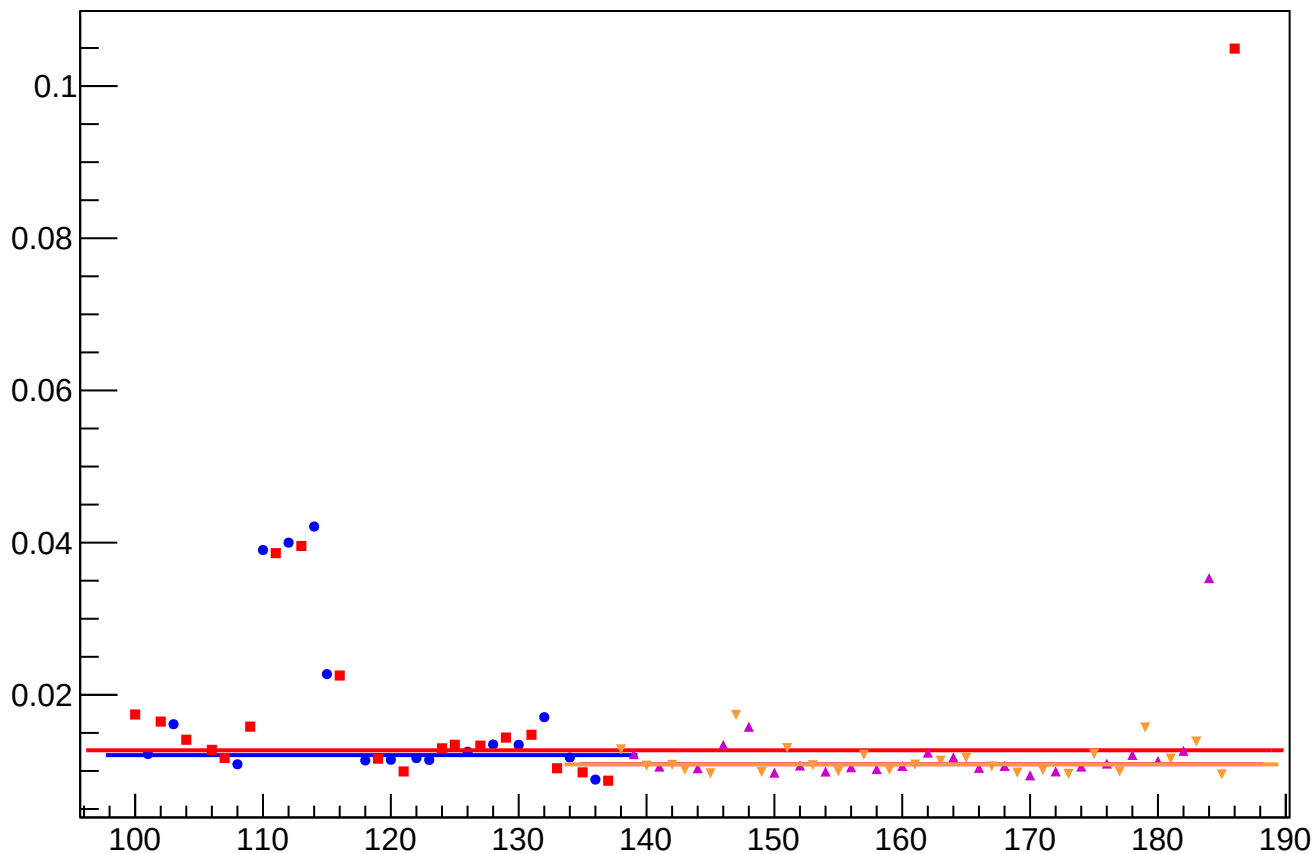
Left In: 0.059+/-0.000 χ^2/NDF : 58640898.5/22

+ sign 0.110+/-0.000 χ^2/NDF : 6985758722.1/41

All: 0.114+/-0.000 χ^2/NDF : 14817239413.3/8

- sign 0.119+/-0.000 χ^2/NDF : 7824084209.8/42

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 $\chi^2/\text{NDF}: 1275060.9/16$

Left Out: 0.011 $\pm$ 0.000 $\chi^2/\text{NDF}: 605519.3/24$

Right Out: 0.013 $\pm$ 0.000 $\chi^2/\text{NDF}: 1784798.7/19$

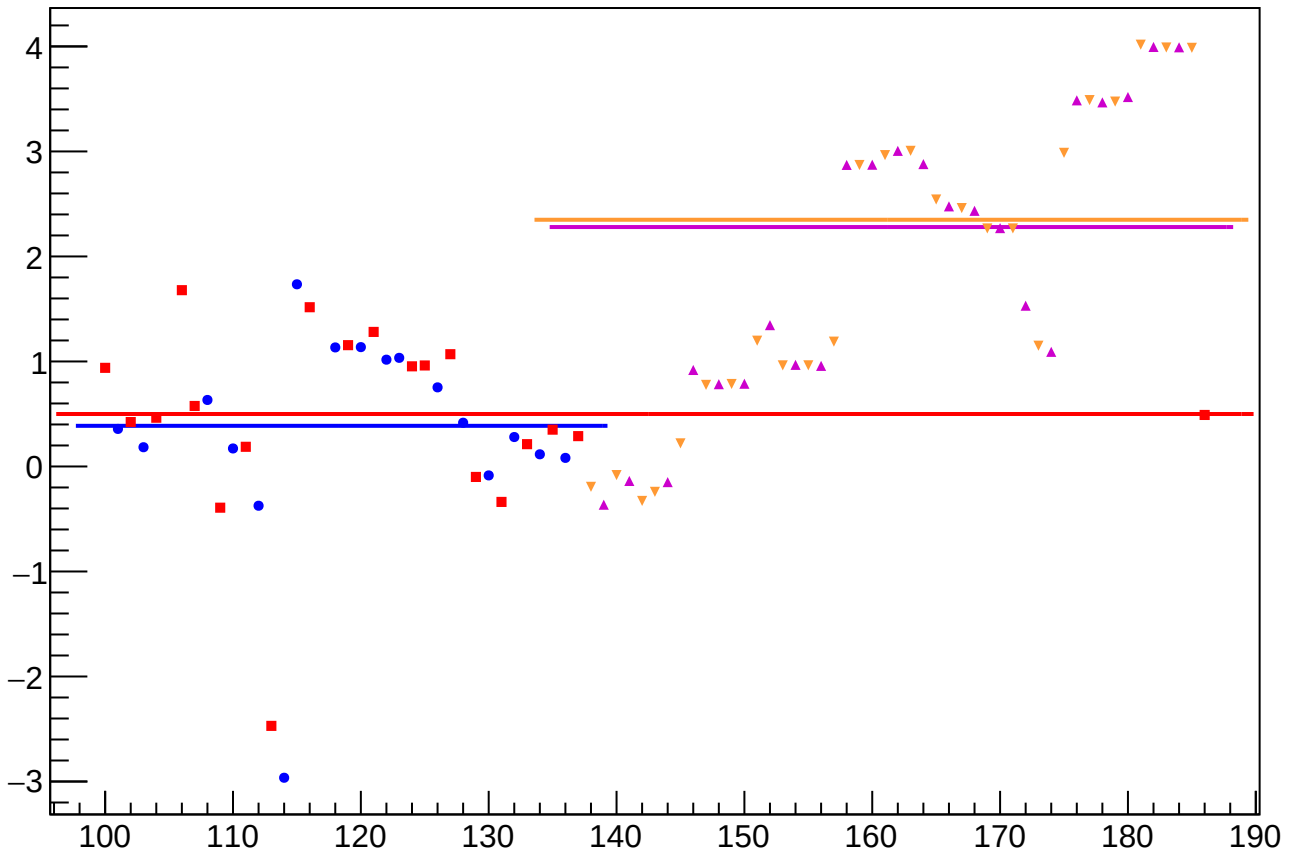
Left In: 0.011 $\pm$ 0.000 $\chi^2/\text{NDF}: 529867.3/22$

+ sign 0.011 $\pm$ 0.000 $\chi^2/\text{NDF}: 1970108.1/41$

All: 0.011 $\pm$ 0.000 $\chi^2/\text{NDF}: 4481945.4/84$

- sign 0.011 $\pm$ 0.000 $\chi^2/\text{NDF}: 2507382.5/42$

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 243730591.1/16

Left Out: 2.349 $\pm$ 0.000 χ^2 /NDF: 63600066268.3/24

Right Out: 0.500 $\pm$ 0.000 χ^2 /NDF: 983086023.6/19

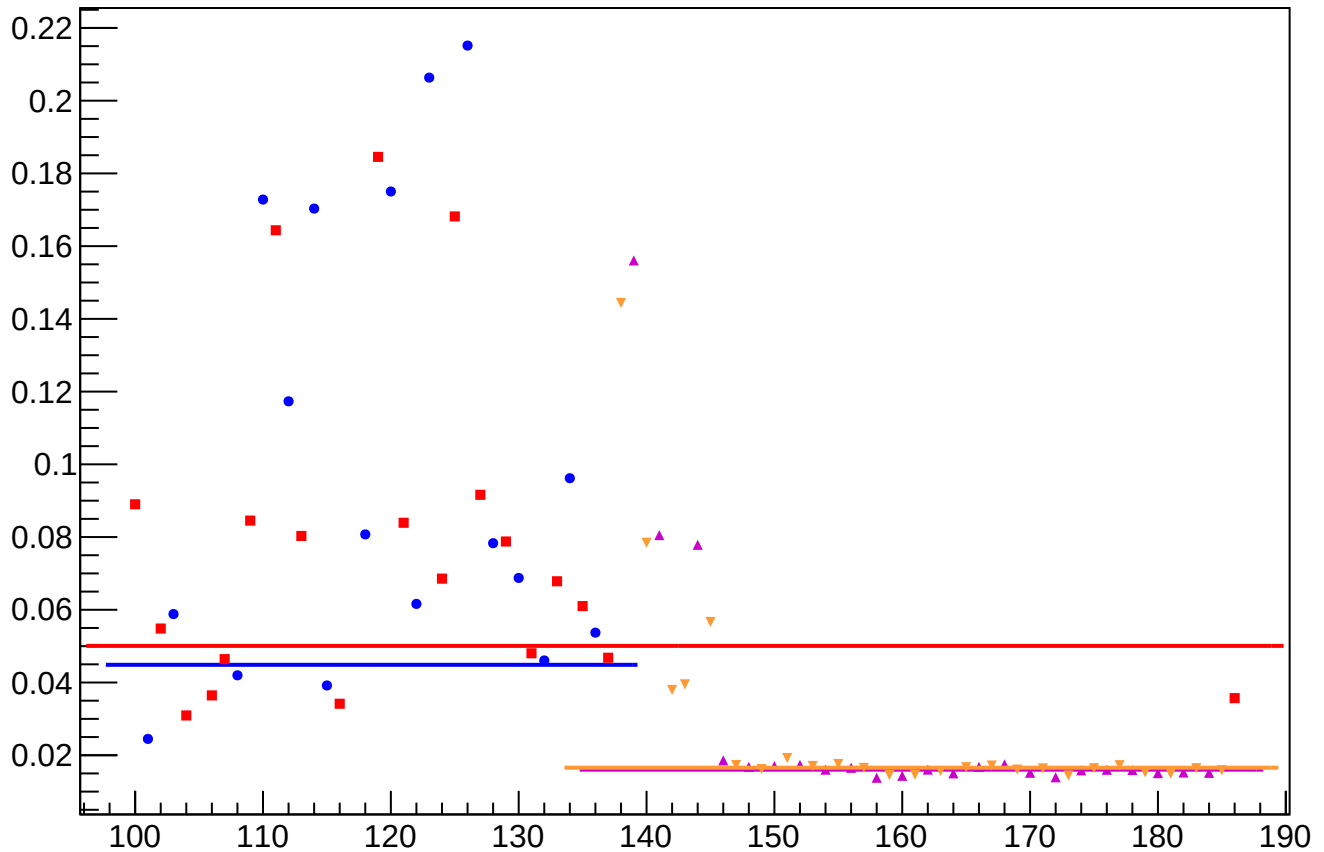
Left In: 2.280 $\pm$ 0.000 χ^2 /NDF: 61444254541.3/22

+ sign 2.285 $\pm$ 0.000 χ^2 /NDF: 70345616658.1/41

All: 2.253 $\pm$ 0.000 χ^2 /NDF: 138230220344.2

- sign 2.222 $\pm$ 0.000 χ^2 /NDF: 67781319649.5/42

yield_bpm1X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2772873.5/16

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.050 $\pm$ 0.000 χ^2 /NDF: 2304770.5/19

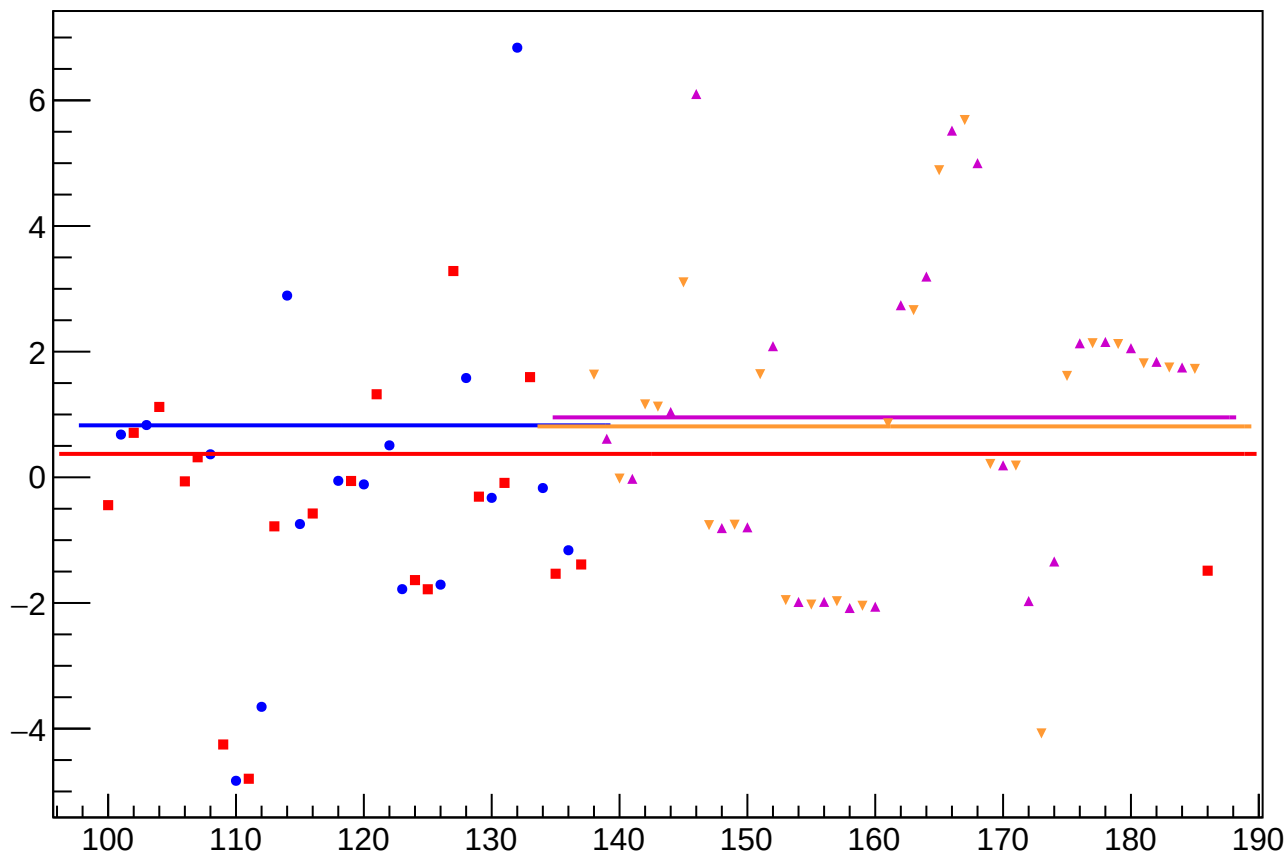
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8099733.5/41

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 16791367.1/84

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 8683990.3/42

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 $\chi^2/\text{NDF}: 10943374014.3/16$

Left Out: 0.810 ± 0.000 $\chi^2/\text{NDF}: 507583198570.2/24$

Right Out: 0.373 ± 0.000 $\chi^2/\text{NDF}: 4967504159.4/19$

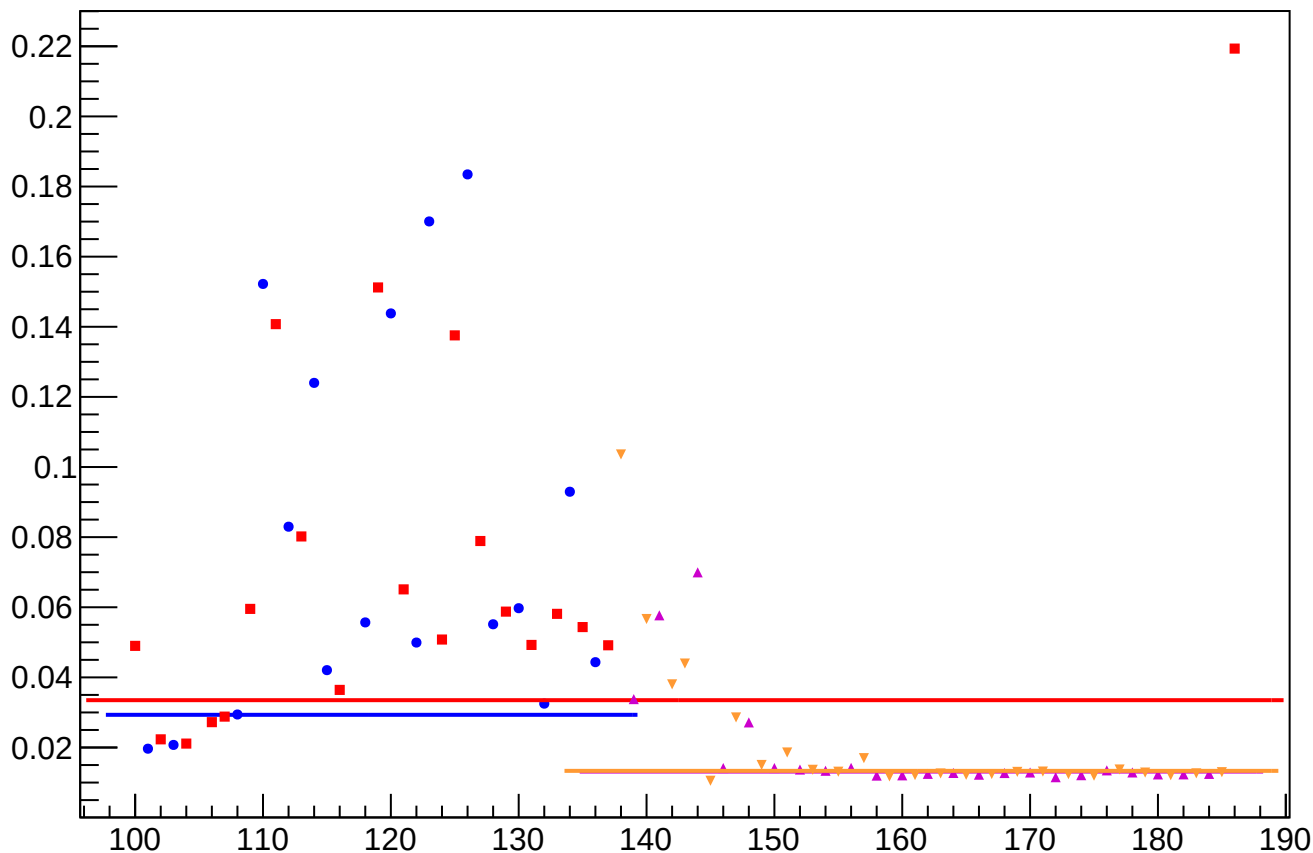
Left In: 0.954 ± 0.000 $\chi^2/\text{NDF}: 574792794608.3/22$

+ sign 0.811 ± 0.000 $\chi^2/\text{NDF}: 518527640867.4/41$

All: 0.871 ± 0.000 $\chi^2/\text{NDF}: 1100069857297.$

- sign 0.931 ± 0.000 $\chi^2/\text{NDF}: 580896883438.3/42$

yield_bpm1Y_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 2967975.9/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829070.5/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 3584780.9/19

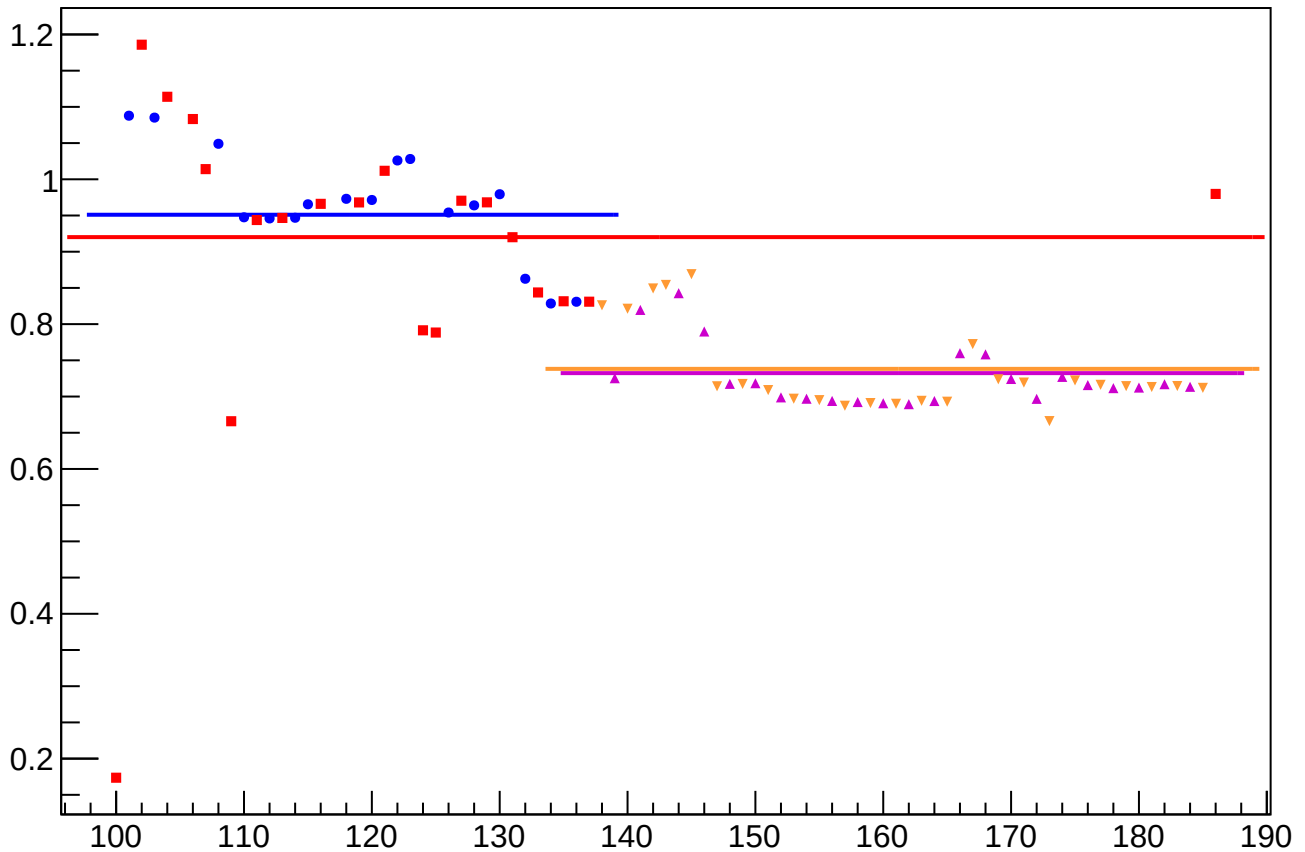
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1968206.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7717052.9/41

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 16059369.4/84

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8341195.8/42

yield_bpm11X_mean vs Slug



Right In: 0.951 $\pm$ 0.000 χ^2 /NDF: 174262904.5/16

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310610047.7/24

+ sign 0.793 $\pm$ 0.000 χ^2 /NDF: 1500815549.0/41

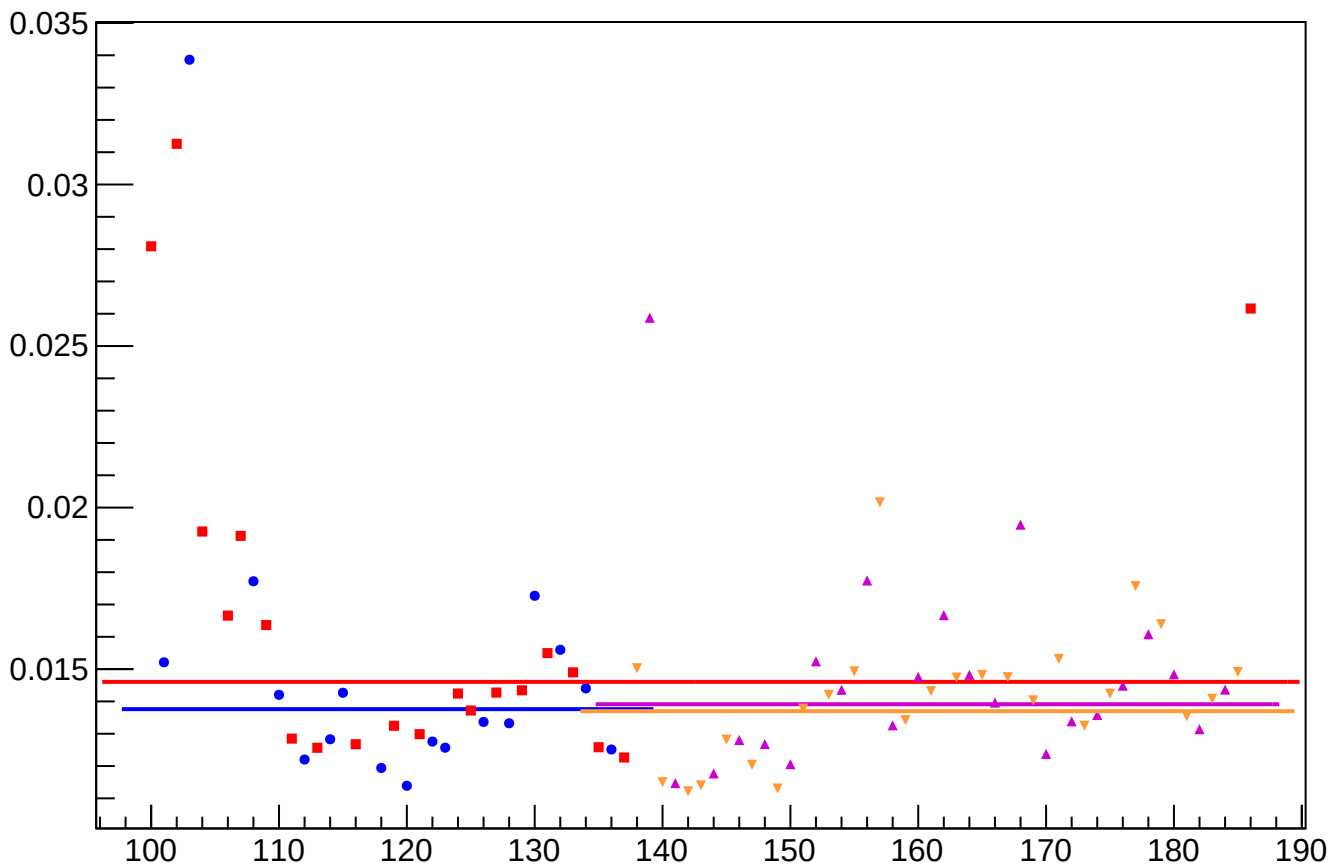
Right Out: 0.920 $\pm$ 0.000 χ^2 /NDF: 376593548.3/19

All: 0.788 $\pm$ 0.000 χ^2 /NDF: 2820471667.4/84

- sign 0.783 $\pm$ 0.000 χ^2 /NDF: 1313583497.8/42

Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538388.7/16

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:530851.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 650045.7/19

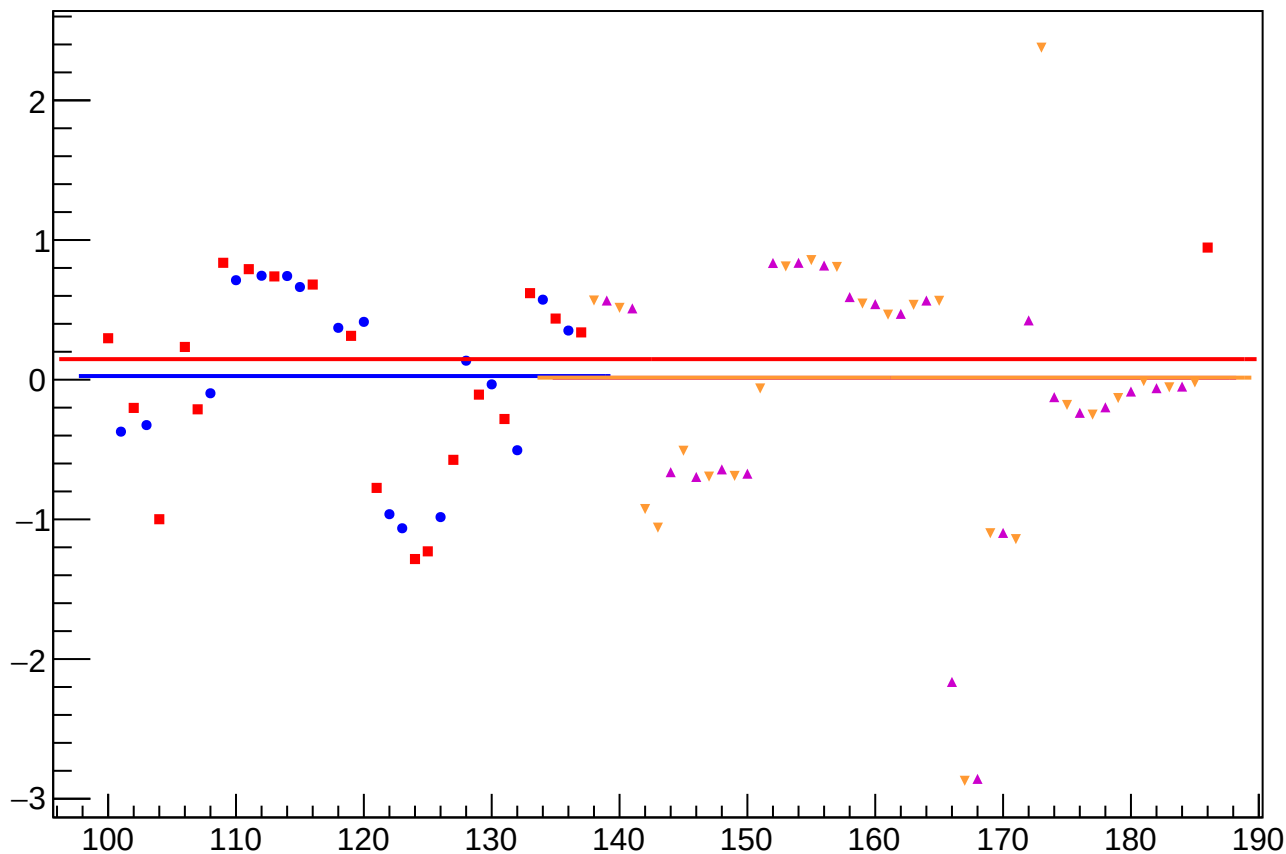
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794558.0/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1069417.4/41

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2551712.9/84

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1465435.6/42

yield_bpm11Y_mean vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 6307097032.6/16

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 96087835995.8/24

Right Out: 0.147 $\pm$ 0.000 χ^2 /NDF: 12781367391.0/19

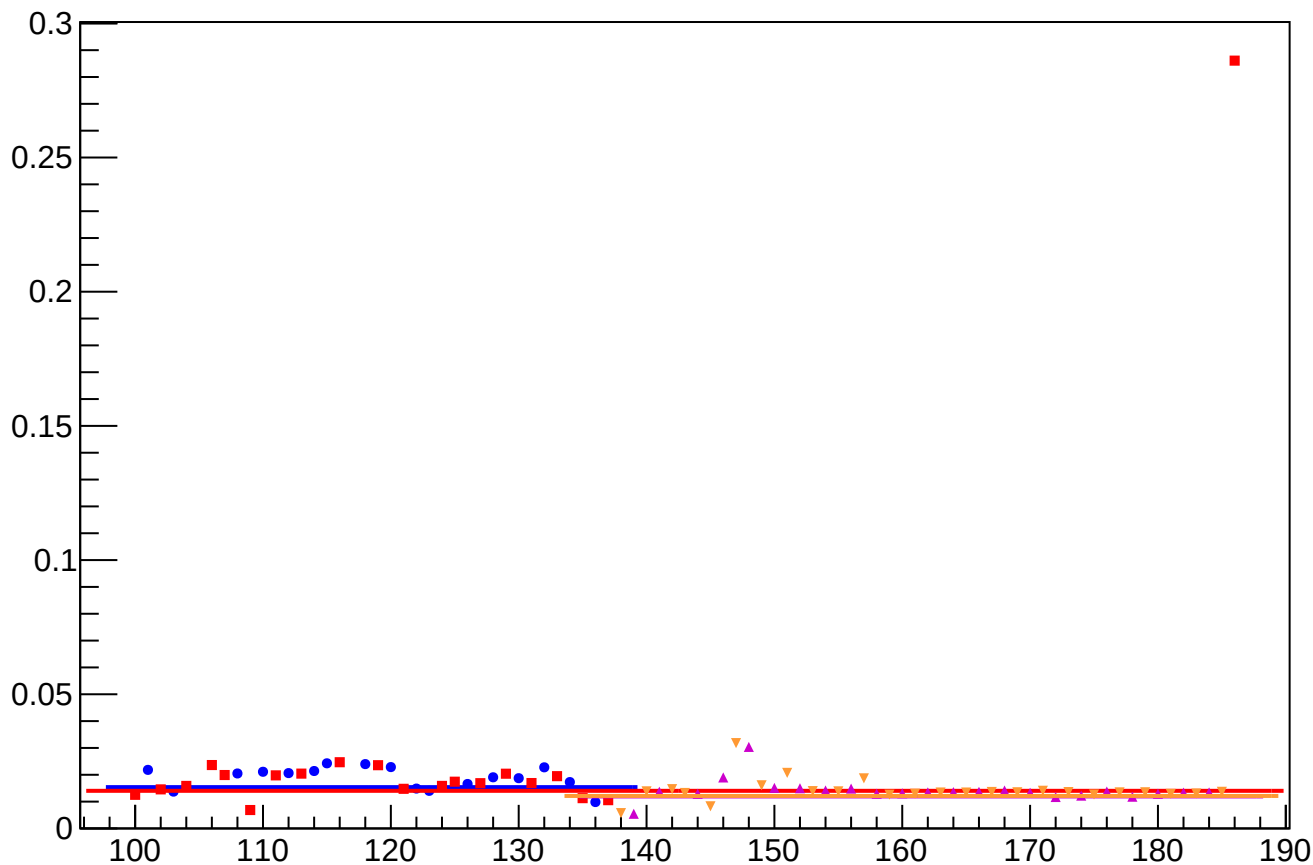
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 102397467033.2/41

All: 0.029 $\pm$ 0.000 χ^2 /NDF: 195070240933.0

- sign 0.041 $\pm$ 0.000 χ^2 /NDF: 92632130988.0/42

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1140025.0/16

Left Out: 0.012+/-0.000 χ^2/NDF : 3107648.9/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2192859.6/19

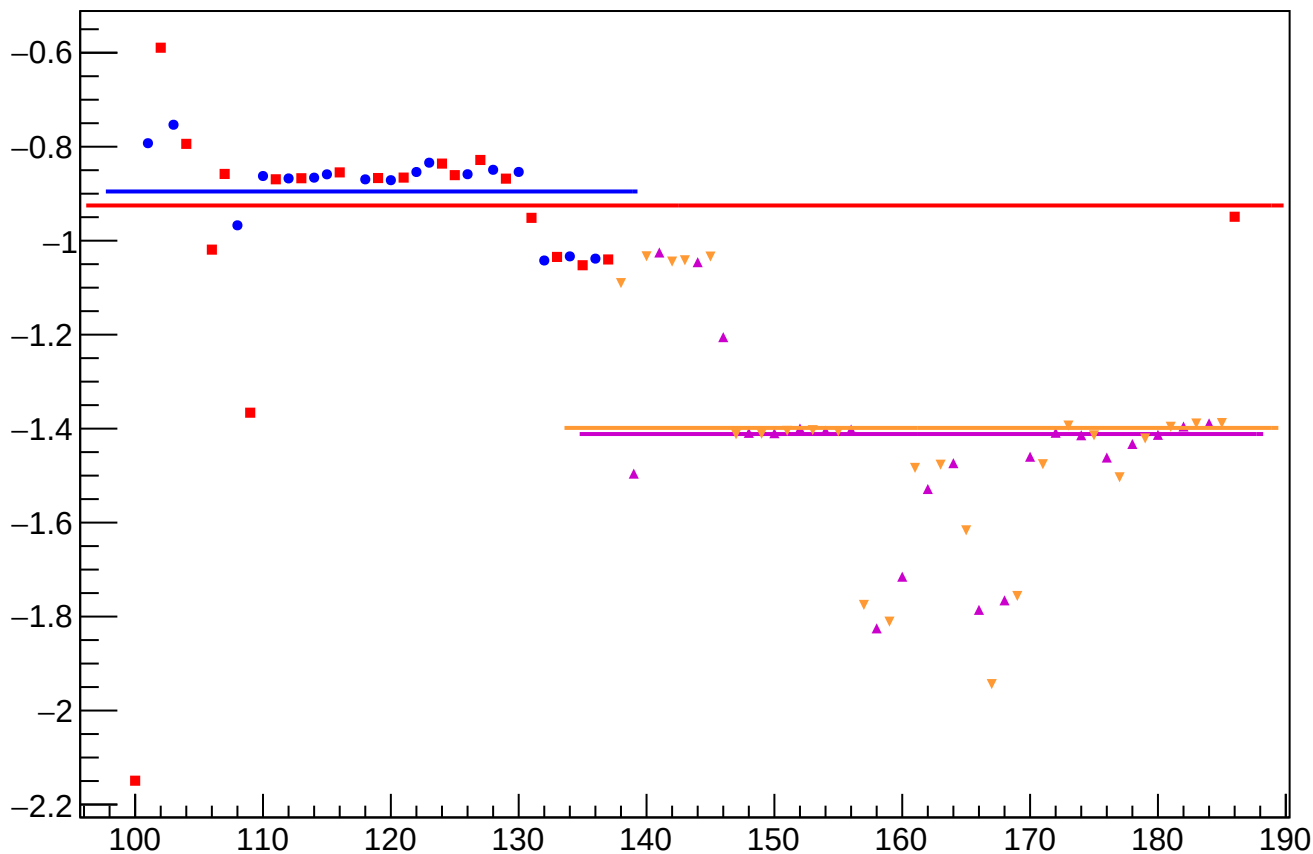
Left In: 0.012+/-0.000 χ^2/NDF : 3105948.8/22

+ sign 0.013+/-0.000 χ^2/NDF : 4666043.7/41

All: 0.013+/-0.000 χ^2/NDF : 10177363.2/84

- sign 0.012+/-0.000 χ^2/NDF : 5497106.7/42

yield_bpm12X_mean vs Slug



Right In: -0.895 ± 0.000 χ^2/NDF : 37924701.6/16

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.925 ± 0.000 χ^2/NDF : 128504949.6/19

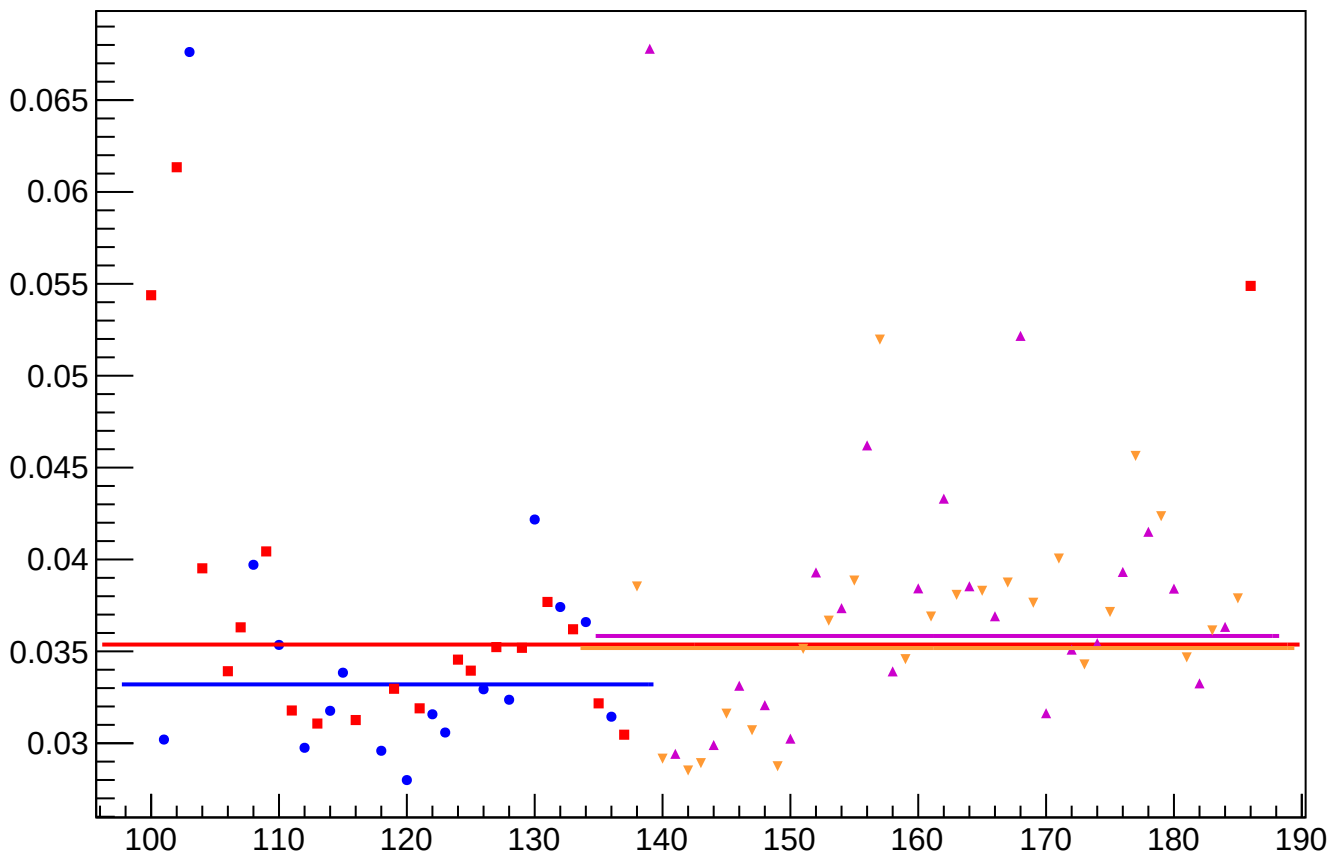
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.254 ± 0.000 χ^2/NDF : 1719782746.1/41

All: -1.259 ± 0.000 χ^2/NDF : 3214568219.3/8

- sign -1.265 ± 0.000 χ^2/NDF : 1493575281.2/42

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 399489.1/16

Left Out: 0.035+/-0.000 χ^2/NDF : 597886.0/24

Right Out: 0.035+/-0.000 χ^2/NDF : 370300.0/19

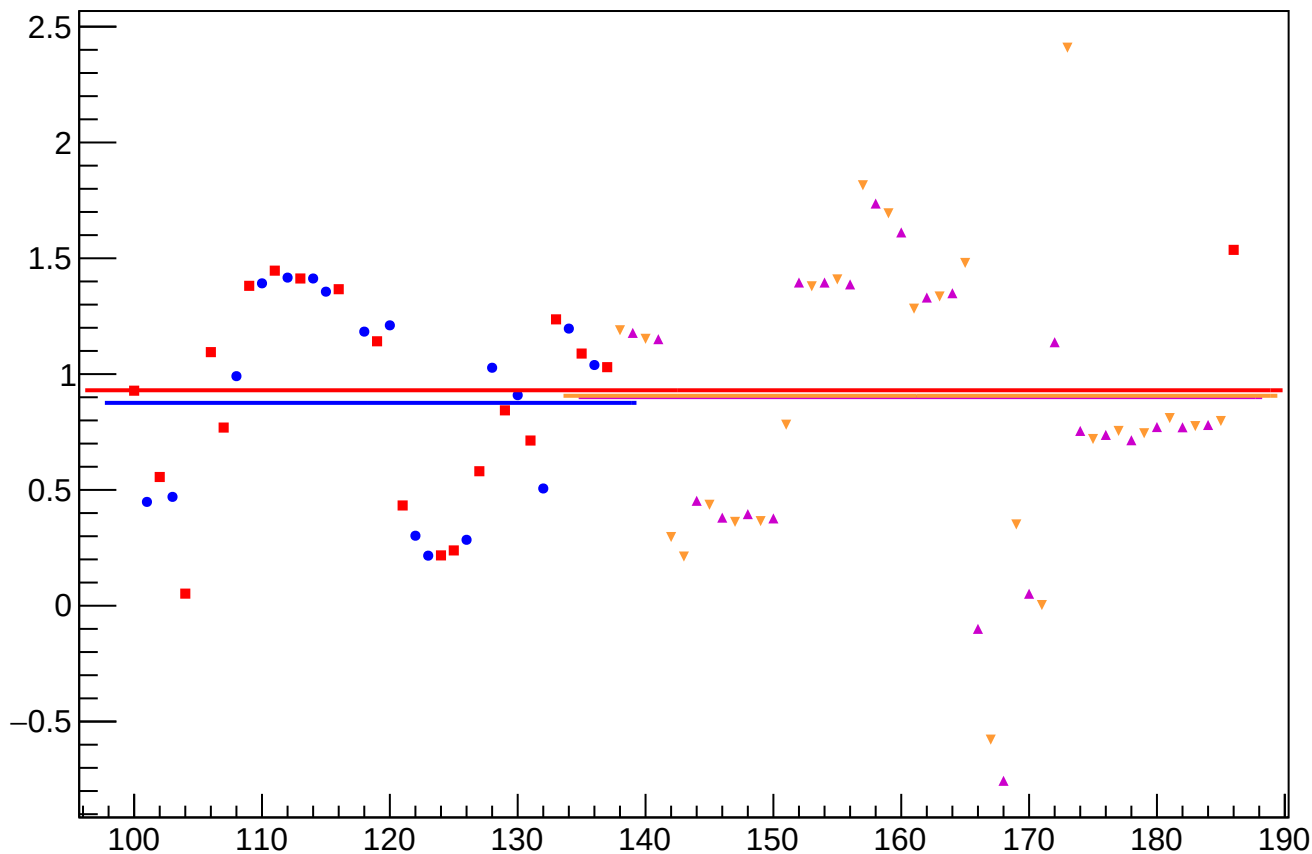
Left In: 0.036+/-0.000 χ^2/NDF : 890993.5/22

+ sign 0.035+/-0.000 χ^2/NDF : 1026665.4/41

All: 0.035+/-0.000 χ^2/NDF : 2310383.1/84

- sign 0.036+/-0.000 χ^2/NDF : 1262862.9/42

yield_bpm12Y_mean vs Slug



Right In: 0.876 $\pm$ 0.000 χ^2 /NDF: 6459481069.8/16

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 0.930 $\pm$ 0.000 χ^2 /NDF: 9959863570.1/19

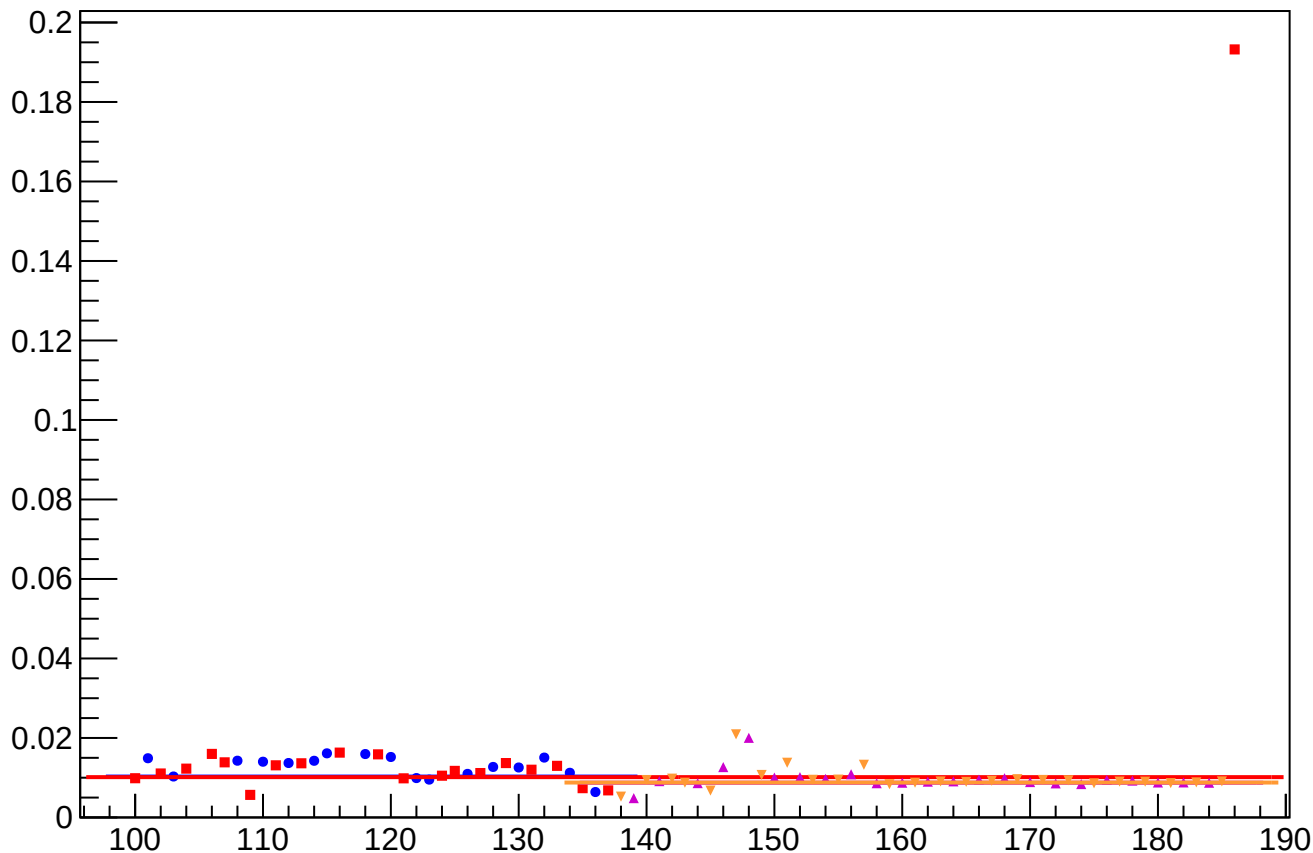
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.901 $\pm$ 0.000 χ^2 /NDF: 90607356003.5/41

All: 0.904 $\pm$ 0.000 χ^2 /NDF: 167544191310.1

- sign 0.907 $\pm$ 0.000 χ^2 /NDF: 76931245430.2/42

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1205873.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1804312.3/19

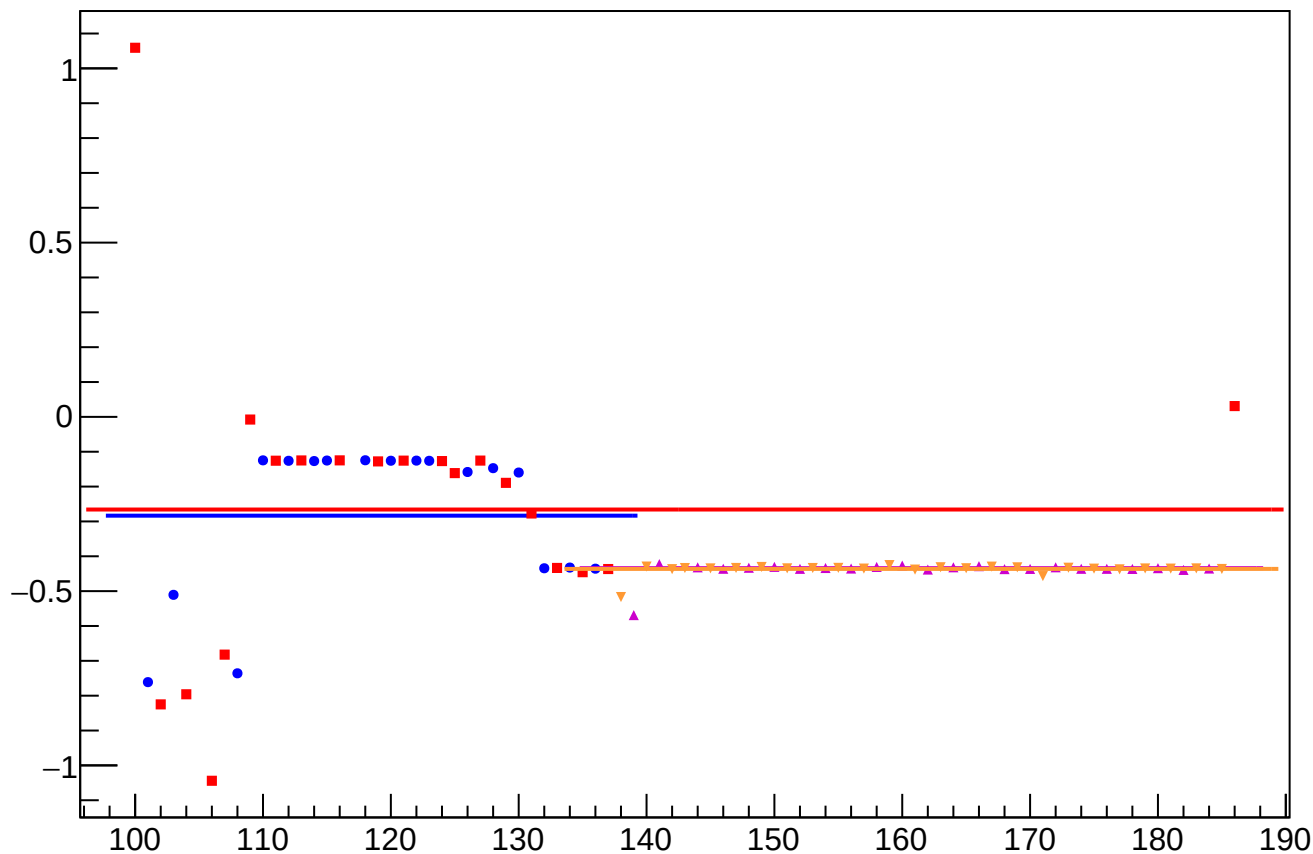
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3094055.5/41

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6745665.3/84

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3651284.1/42

yield_bpm16X_mean vs Slug



Right In: -0.283 ± 0.000 χ^2/NDF : 894148140.5/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.266 ± 0.000 χ^2/NDF : 983134292.6/19

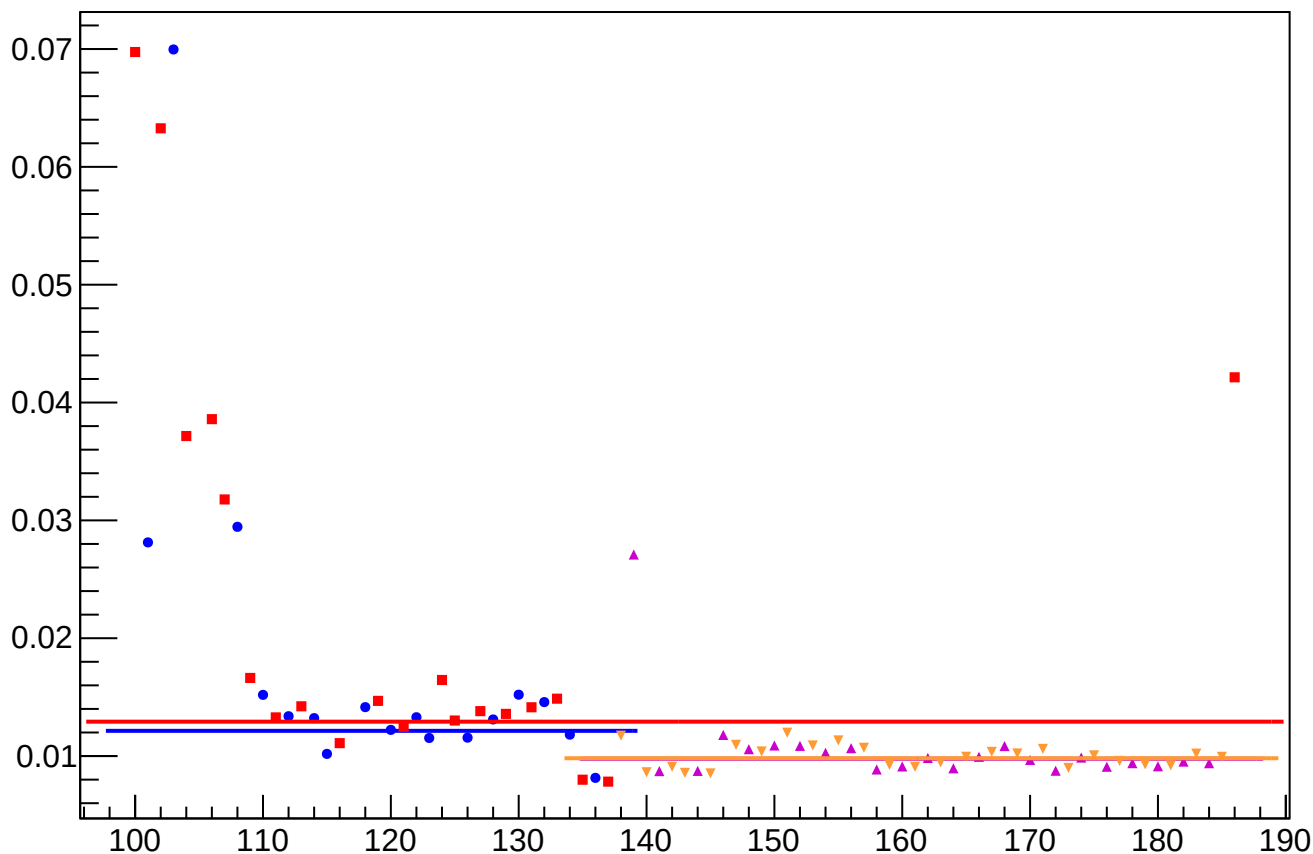
Left In: -0.434 ± 0.000 χ^2/NDF : 20164730.3/22

+ sign -0.411 ± 0.000 χ^2/NDF : 1538650534.2/41

All: -0.409 ± 0.000 χ^2/NDF : 3252810898.4/8

- sign -0.407 ± 0.000 χ^2/NDF : 1711918633.3/42

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1720286.9/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 271172.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2307366.4/19

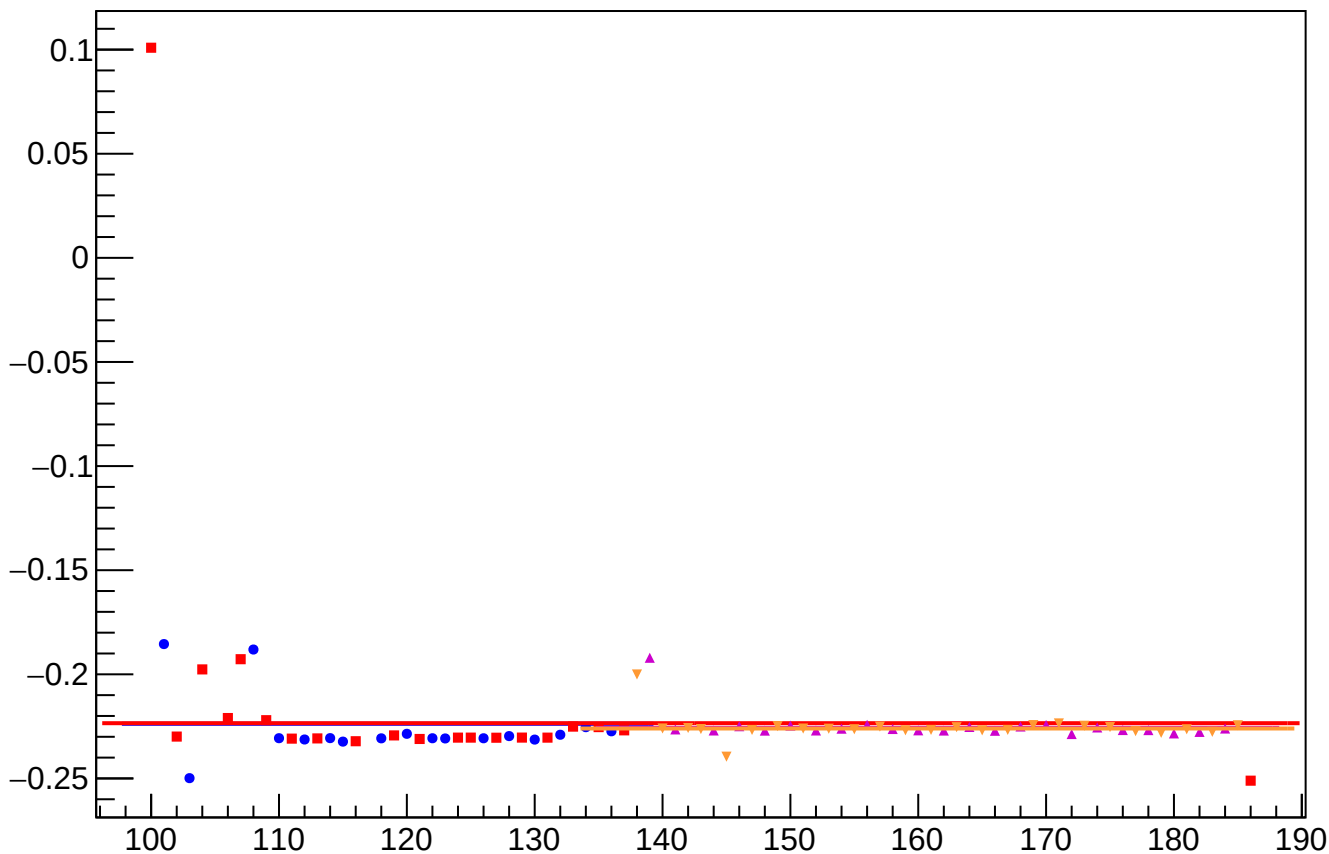
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 786577.8/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2276915.9/41

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5868585.9/84

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3590008.4/42

yield_bpm16Y_mean vs Slug



Right In: -0.224 ± 0.000 χ^2/NDF : 74201194.4/16

Left Out: -0.226 ± 0.000 χ^2/NDF : 21207366.3/24

+ sign -0.225 ± 0.000 χ^2/NDF : 96405774.4/41

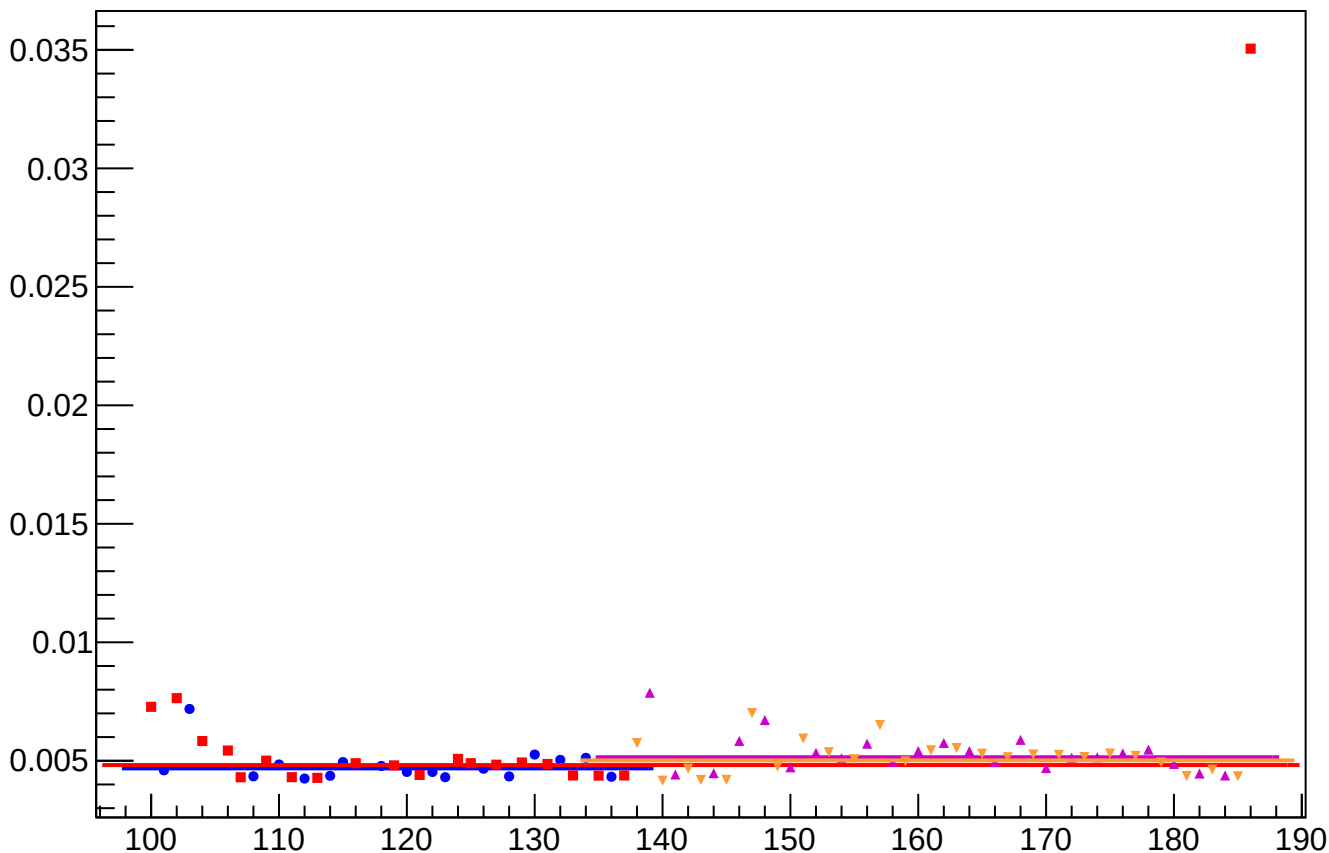
Right Out: -0.223 ± 0.000 χ^2/NDF : 168015339.3/19

All: -0.225 ± 0.000 χ^2/NDF : 279174218.6/84

Left In: -0.226 ± 0.000 χ^2/NDF : 13717302.5/22

- sign -0.225 ± 0.000 χ^2/NDF : 182713287.9/42

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180080.7/16

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 778310.4/19

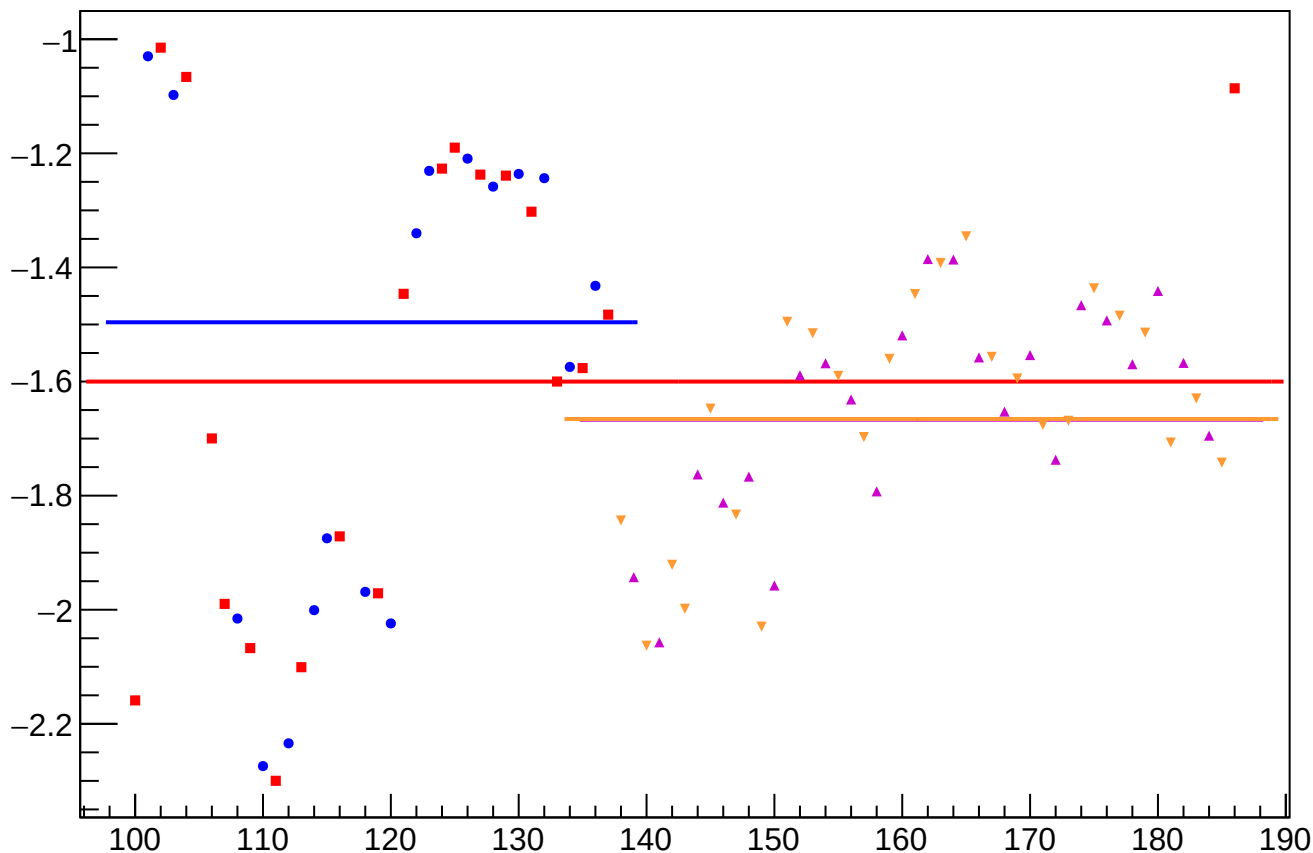
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 756662.7/41

All: 0.005+/-0.000 χ^2/NDF : 2095653.0/84

- sign 0.005+/-0.000 χ^2/NDF : 1324150.1/42

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22454192322.7/16

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -1.600+/-0.000 χ^2/NDF : 28520801432.4/19

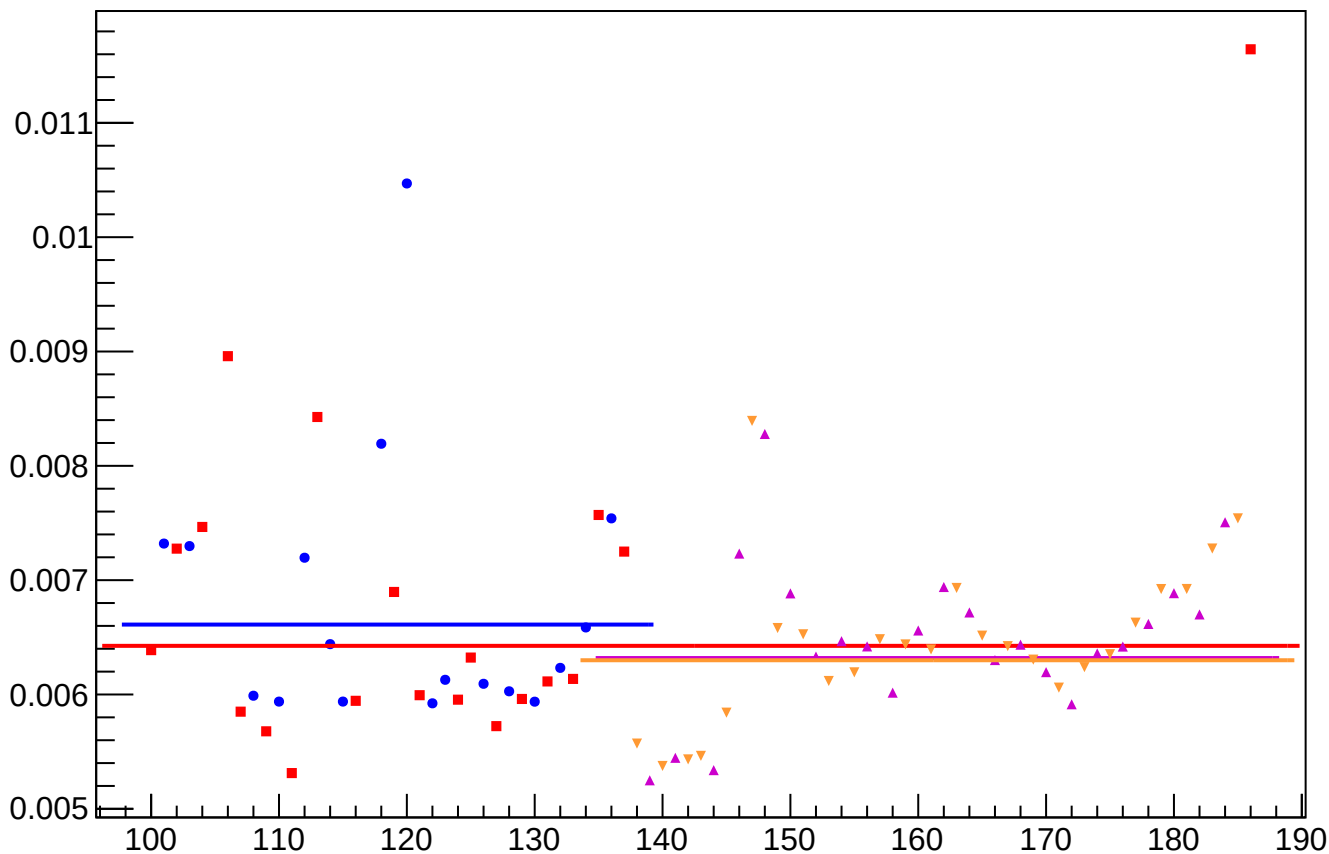
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.625+/-0.000 χ^2/NDF : 43846684517.5/41

All: -1.637+/-0.000 χ^2/NDF : 87658653975.6/41

- sign -1.648+/-0.000 χ^2/NDF : 43664811457.2/42

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 199824.5/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 312811.2/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 368091.1/19

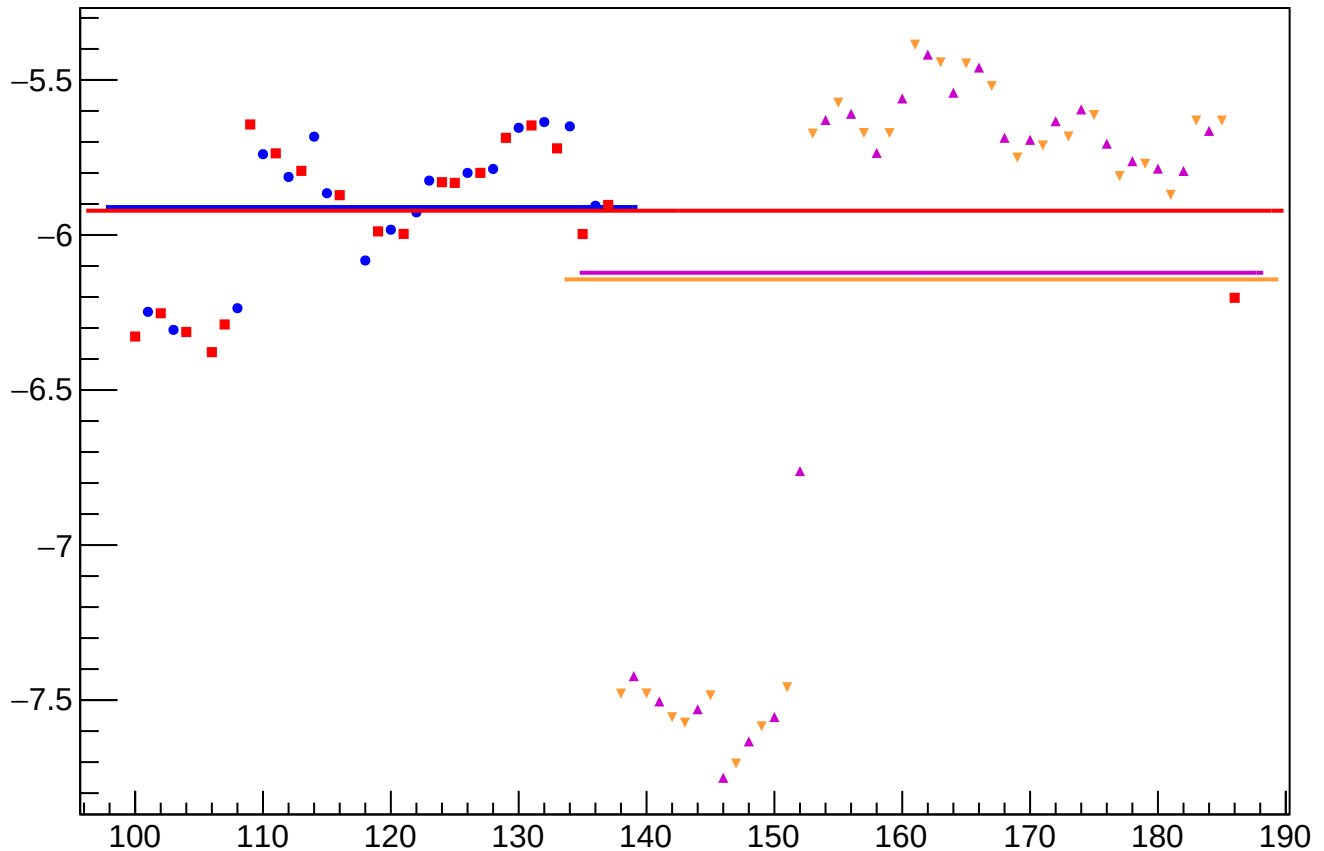
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 334332.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 533126.9/41

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1238593.7/84

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 705118.0/42

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11105112836.5/16

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.922+/-0.000 χ^2/NDF : 12960017392.1/19

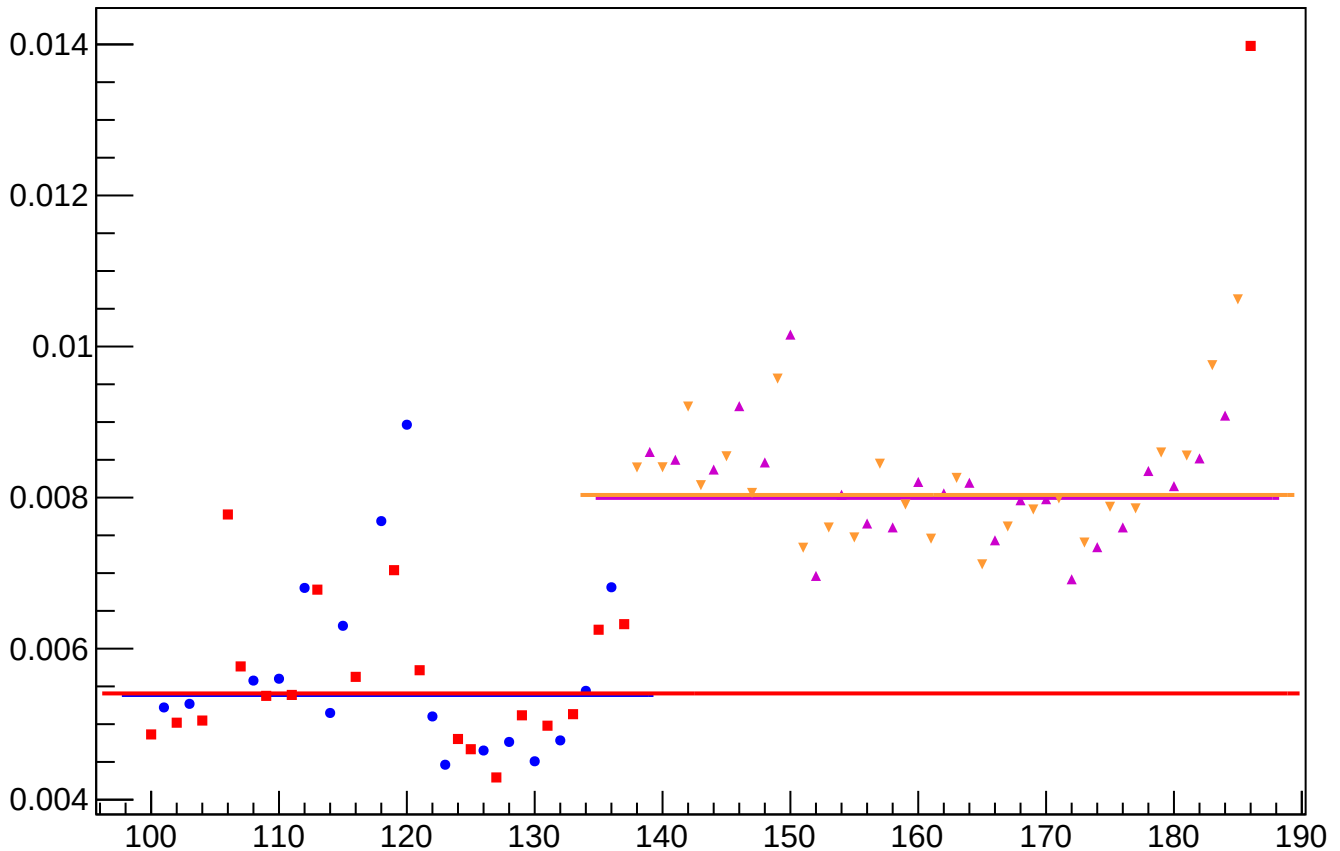
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.041+/-0.000 χ^2/NDF : 202980947723.2/41

All: -6.034+/-0.000 χ^2/NDF : 380620700540.6

- sign -6.027+/-0.000 χ^2/NDF : 177593662470.6/42

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 346475.5/16

Left Out: 0.008+/-0.000 χ^2/NDF :205976.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 513654.8/19

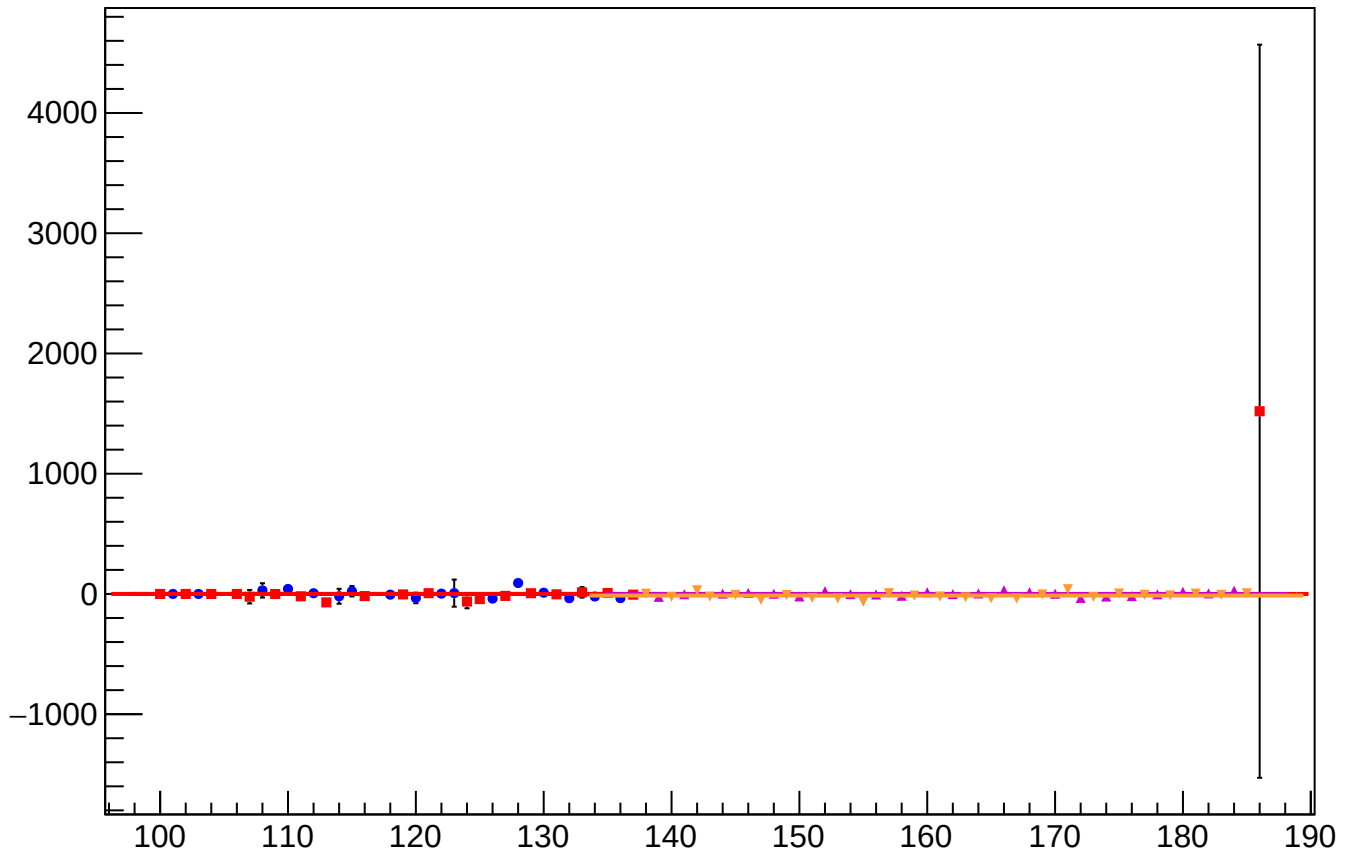
Left In: 0.008+/-0.000 χ^2/NDF :220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 2137455.6/41

All: 0.007+/-0.000 χ^2/NDF : 4459835.0/84

- sign 0.007+/-0.000 χ^2/NDF : 2317176.0/42

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 16.3/16

Left Out: -13.472 ± 2.796 $\chi^2/\text{NDF}: 58.5/24$

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.2/19

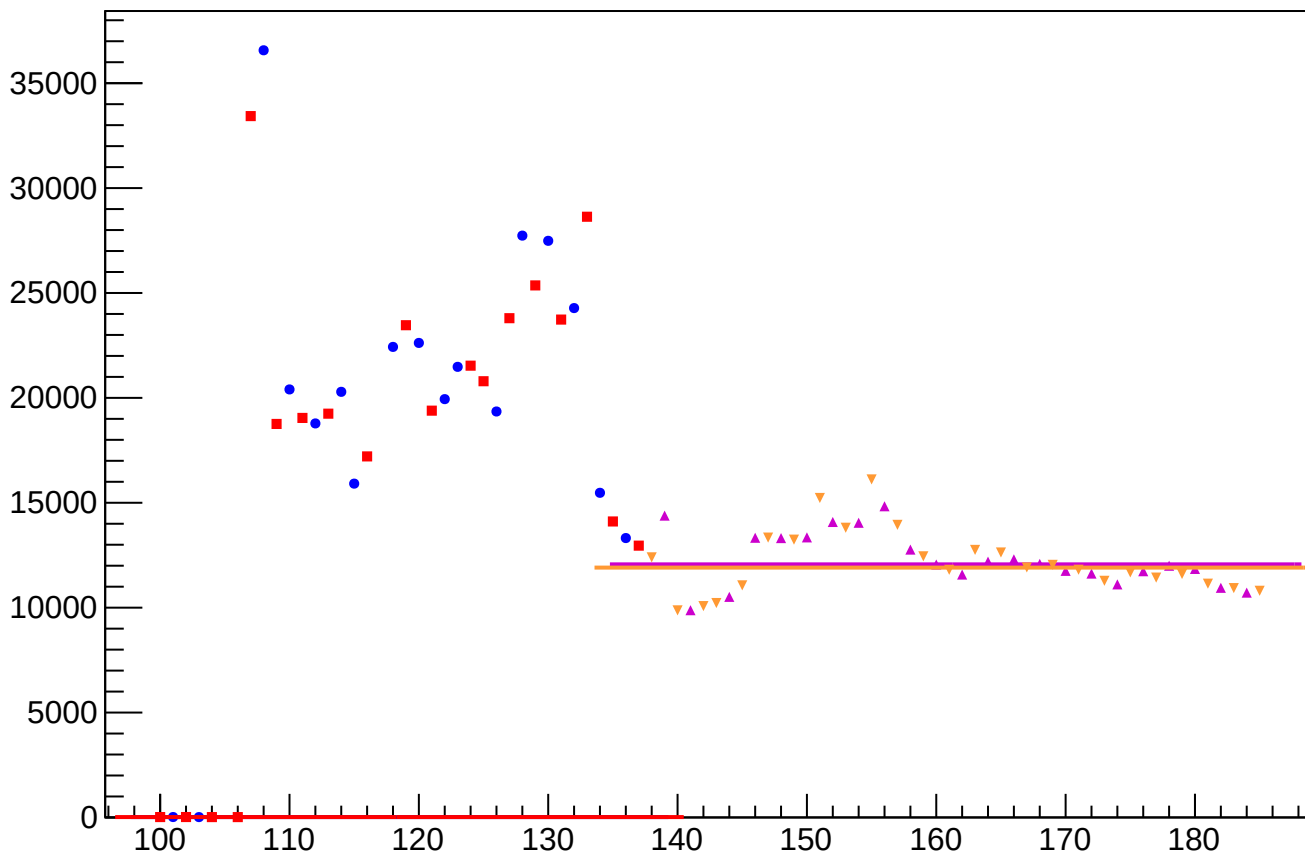
Left In: -0.489+/-2.905 χ^2/NDF :28.7/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 98.0/41

All: 0.008 ± 0.012 χ^2/NDF : 142.1/84

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 43.9/42

diff_cav4bX_rms vs Slug



Right In: 18.640+/-0.012 χ^2/NDF : 10799270.4/16

Left Out: 11909.835+/-1.977 χ^2/NDF : 475310.2/24

Right Out: 18.311+/-0.011 χ^2/NDF : 11056055.0/18

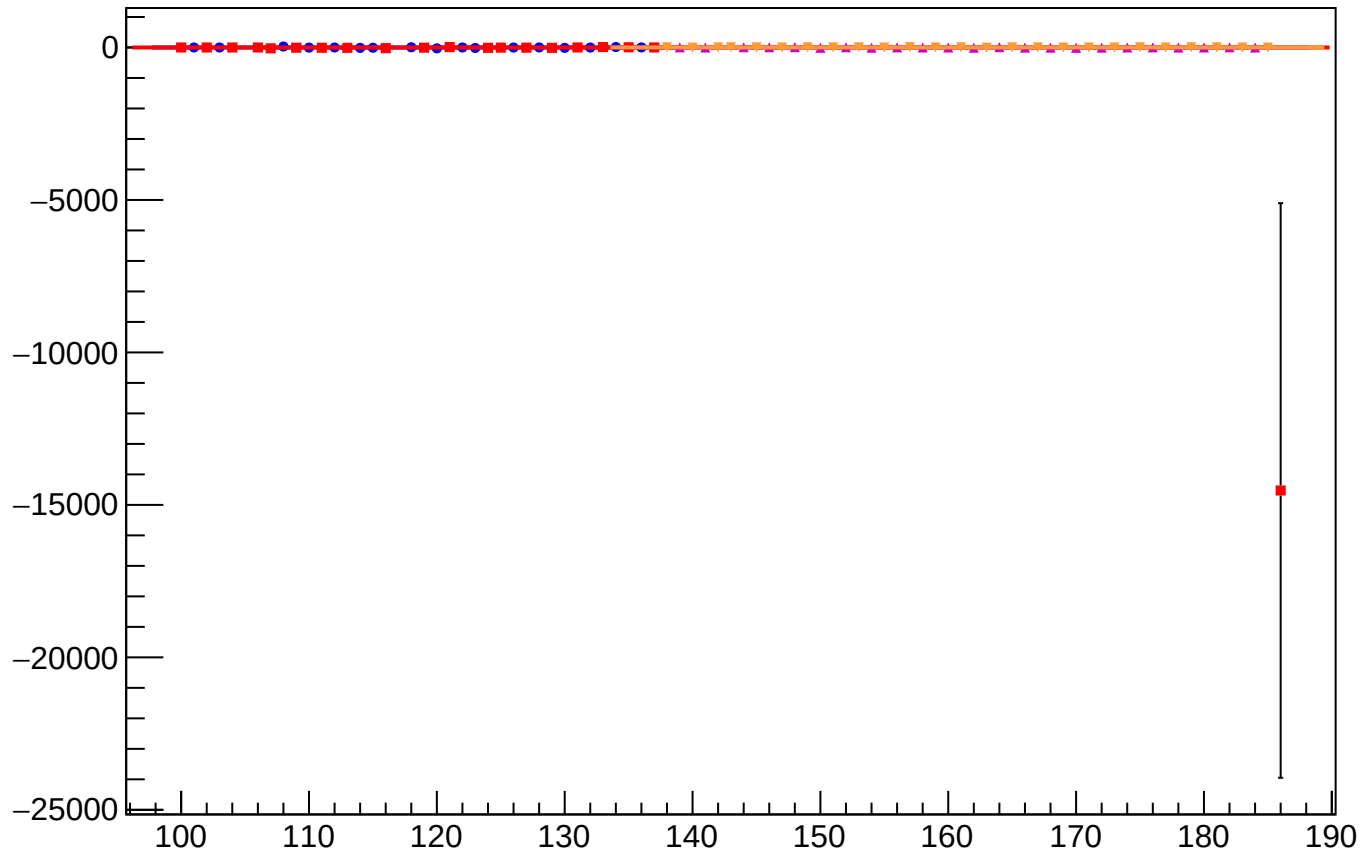
Left In: 12064.321+/-2.054 χ^2/NDF : 372586.0/22

+ sign 19.097+/-0.012 χ^2/NDF : 47439513.1/41

All: 18.873+/-0.008 χ^2/NDF : 93248736.0/83

- sign 18.680+/-0.011 χ^2/NDF : 45808598.7/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.6/16

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF:17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 21.0/19

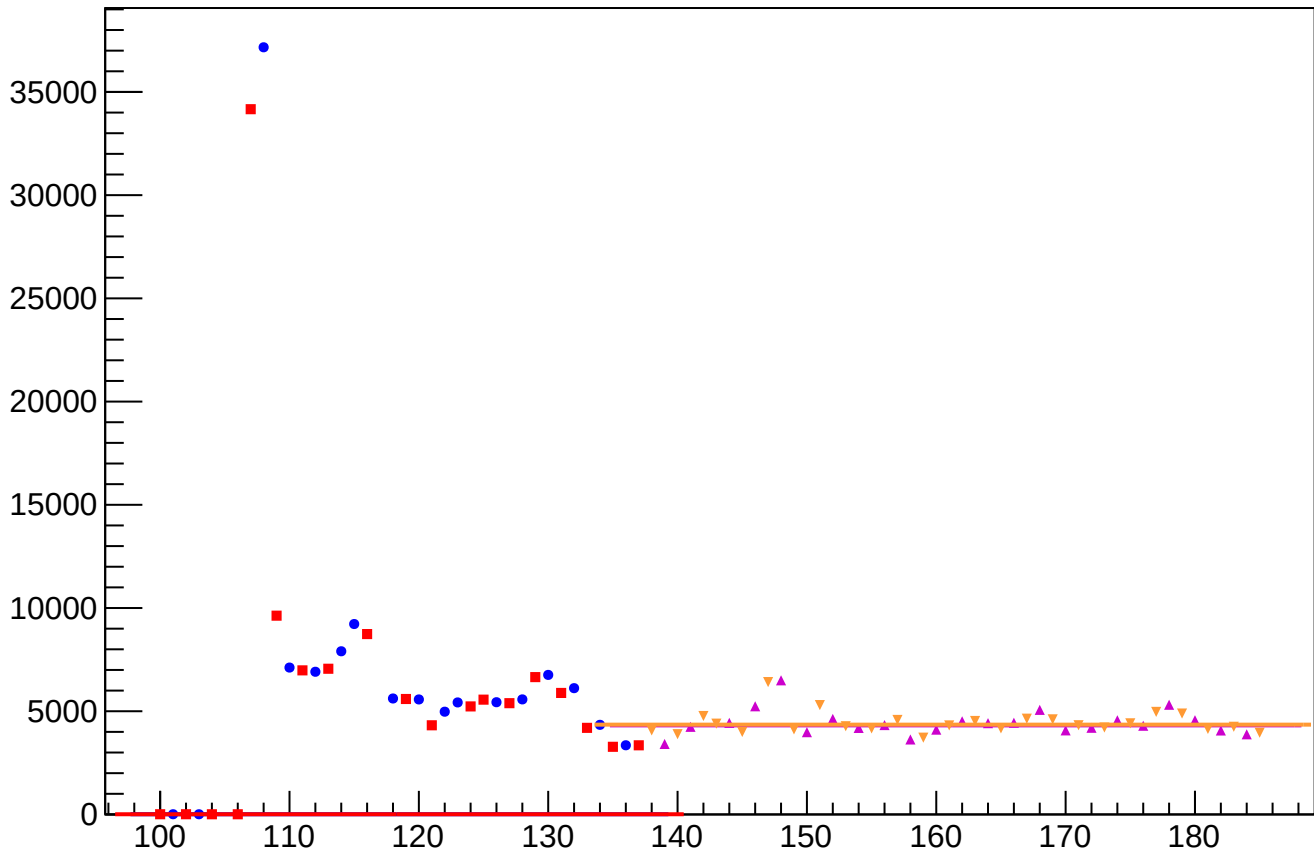
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF:35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.2/41

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 93.6/84

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 57.3/42

diff_cav4bY_rms vs Slug



Right In: 9.938 ± 0.007 χ^2/NDF : 10926318.4/16

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.854 ± 0.006 χ^2/NDF : 11106435.3/18

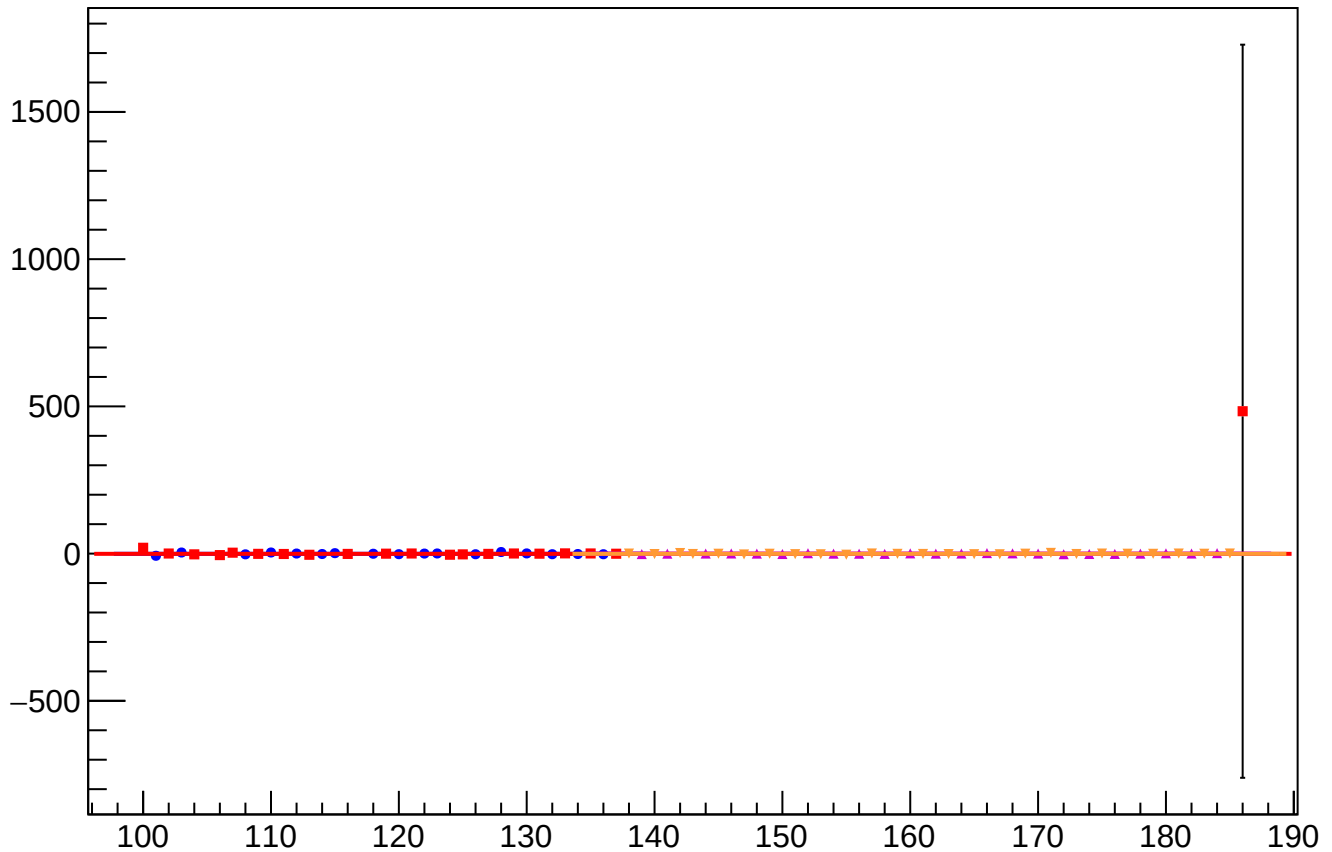
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.290 ± 0.007 χ^2/NDF : 47454315.6/41

All: 10.216 ± 0.004 χ^2/NDF : 93158663.3/83

- sign 10.150 ± 0.006 χ^2/NDF : 45704101.3/41

diff_cav4cX_mean vs Slug



Right In: -0.702 ± 0.485 χ^2/NDF : 22.5/16

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.760 ± 0.502 χ^2/NDF : 11.9/19

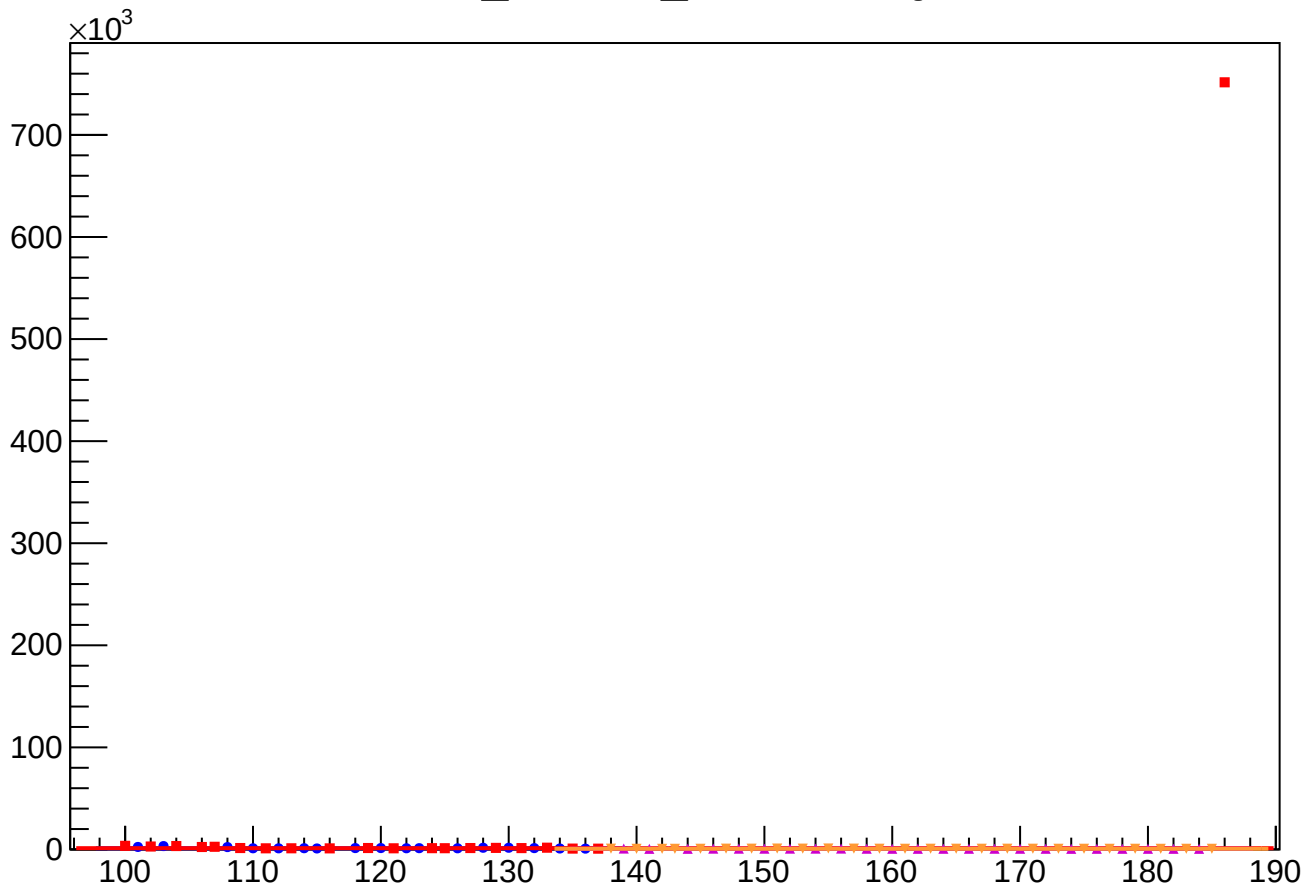
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 80.9/41

All: -0.443 ± 0.112 χ^2/NDF : 132.9/84

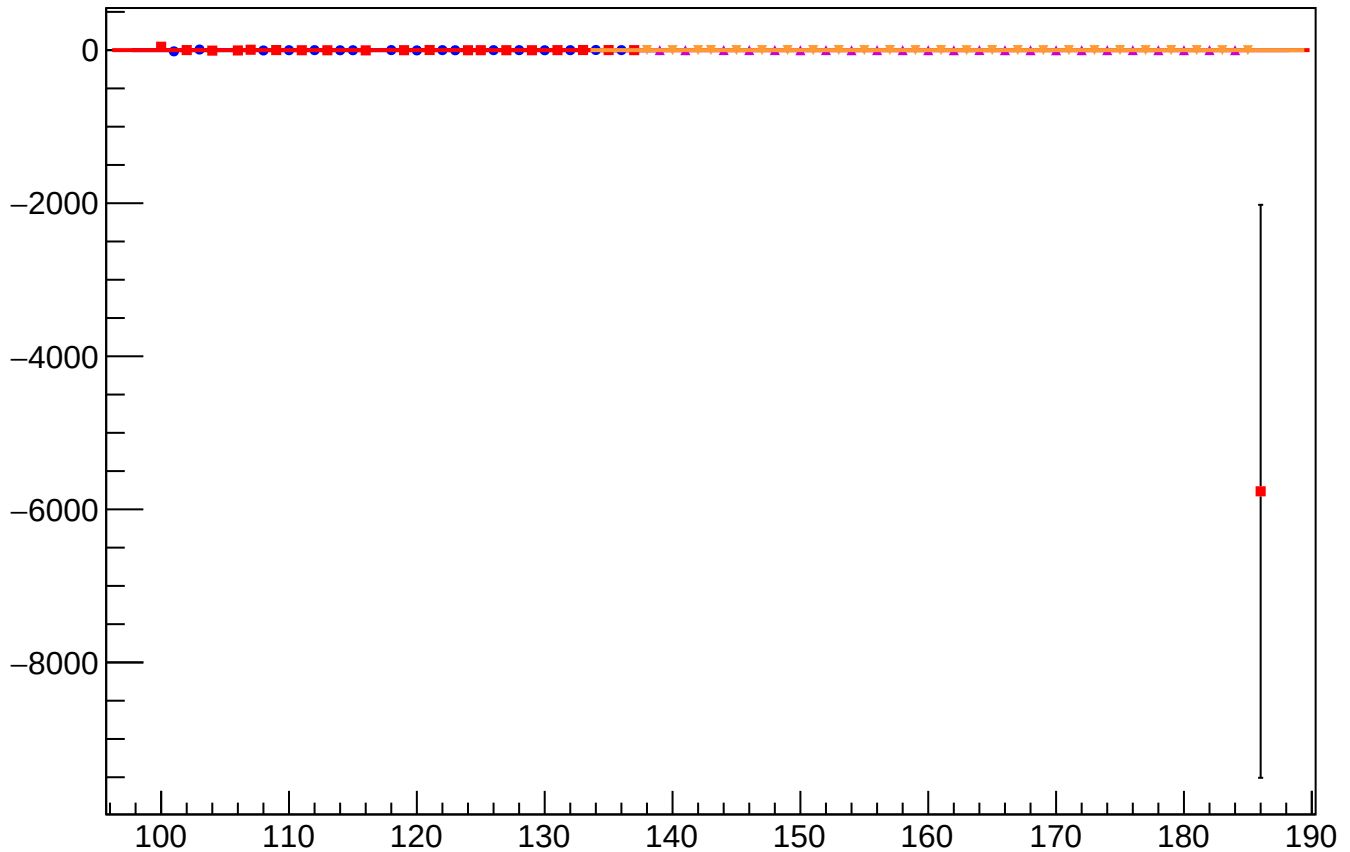
- sign -0.097 ± 0.161 χ^2/NDF : 43.1/42

diff_cav4cX_rms vs Slug



Right In: 1164.211 ± 0.343 $\chi^2/\text{NDF}: 1586062.6/16$ + sign 748.502 ± 0.110 $\chi^2/\text{NDF}: 3616463.3/41$
Left Out: 700.797 ± 0.116 $\chi^2/\text{NDF}: 392521.4/24$ All: 755.407 ± 0.079 $\chi^2/\text{NDF}: 8399613.7/84$
Right Out: 1249.389 ± 0.355 $\chi^2/\text{NDF}: 2342871.2/19$ - sign 762.810 ± 0.114 $\chi^2/\text{NDF}: 4774990.1/42$
Left In: 706.950 ± 0.120 $\chi^2/\text{NDF}: 338177.1/22$

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.271 χ^2/NDF : 20.9/16

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 23.1/19

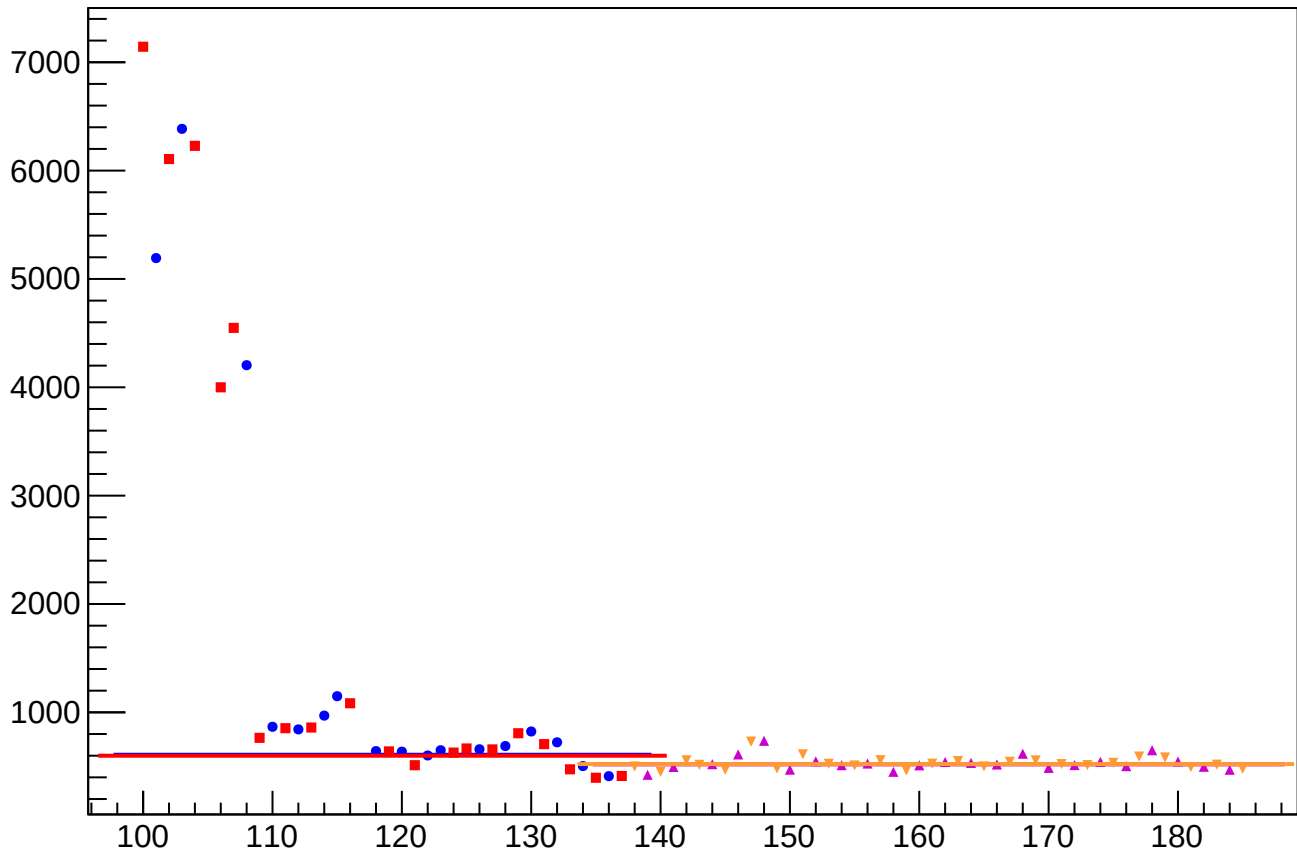
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.186 ± 0.112 χ^2/NDF : 39.5/41

All: 0.163 ± 0.080 χ^2/NDF : 97.8/84

- sign 0.139 ± 0.113 χ^2/NDF : 58.2/42

diff_cav4cY_rms vs Slug



Right In: 608.589 $\pm$ 0.191 χ^2 /NDF: 3137480.1/16

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 599.715 $\pm$ 0.187 χ^2 /NDF: 3547458.7/18

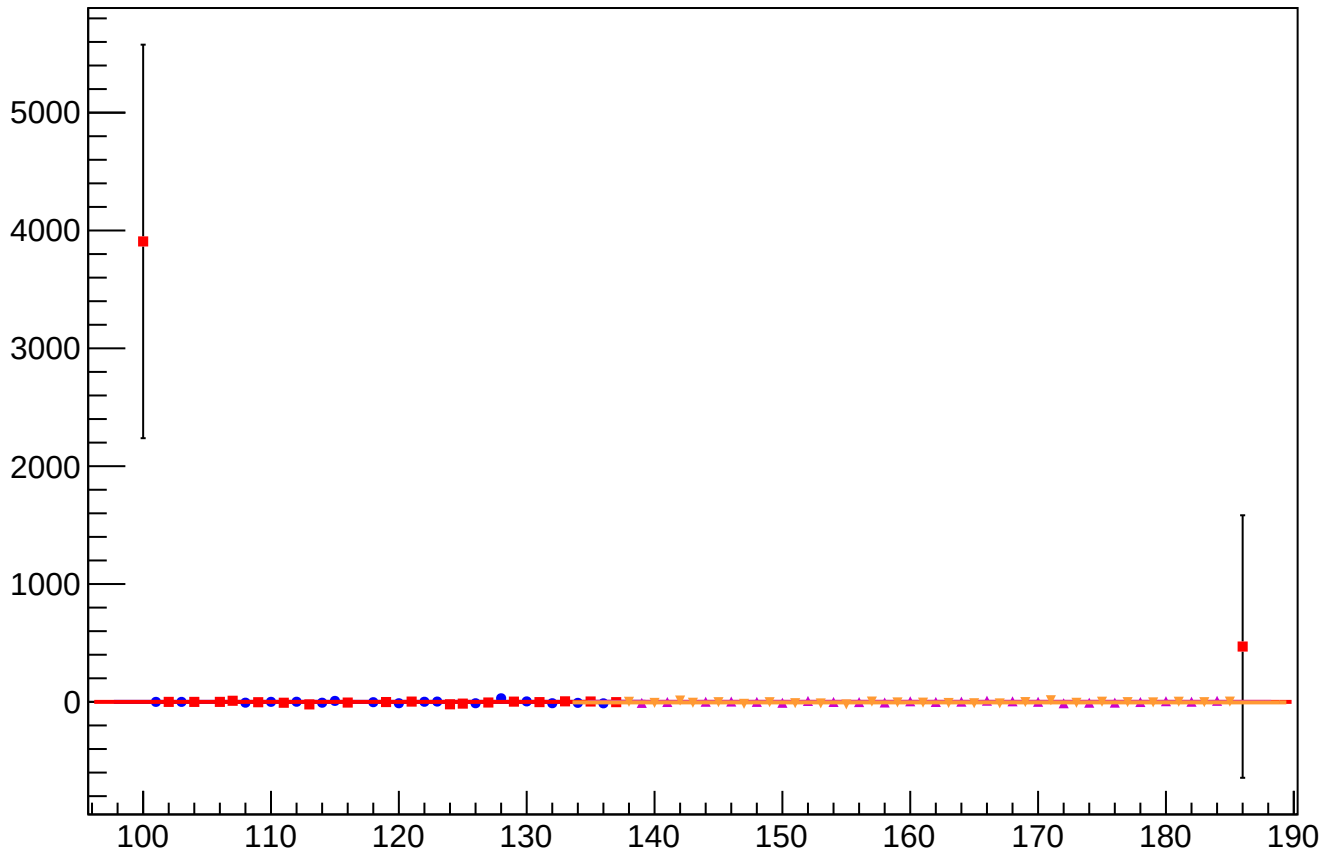
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.072 $\pm$ 0.079 χ^2 /NDF: 3637424.2/41

All: 535.827 $\pm$ 0.056 χ^2 /NDF: 7778436.5/83

- sign 534.542 $\pm$ 0.080 χ^2 /NDF: 4140506.4/41

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.6/16

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.0/19

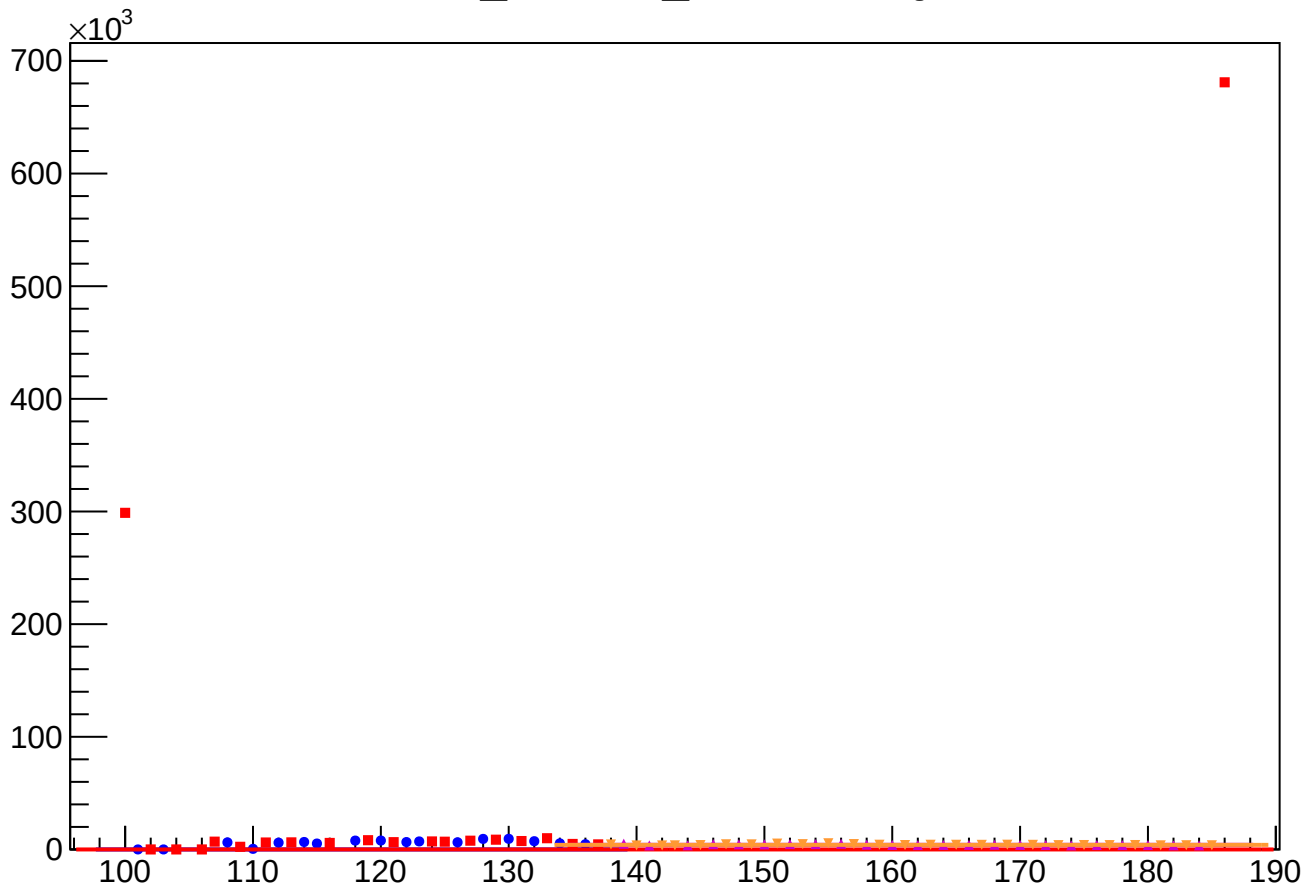
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 95.5/41

All: -0.025 ± 0.014 χ^2/NDF : 141.8/84

- sign -0.027 ± 0.020 χ^2/NDF : 46.3/42

diff_cav4dX_rms vs Slug



Right In: 17.335 $\pm$ 0.015 χ^2 /NDF: 10315348.6/16

Left Out: 4074.257 $\pm$ 0.676 χ^2 /NDF: 416916.0/24

Right Out: 17.267 $\pm$ 0.014 χ^2 /NDF: 11506002.7/19

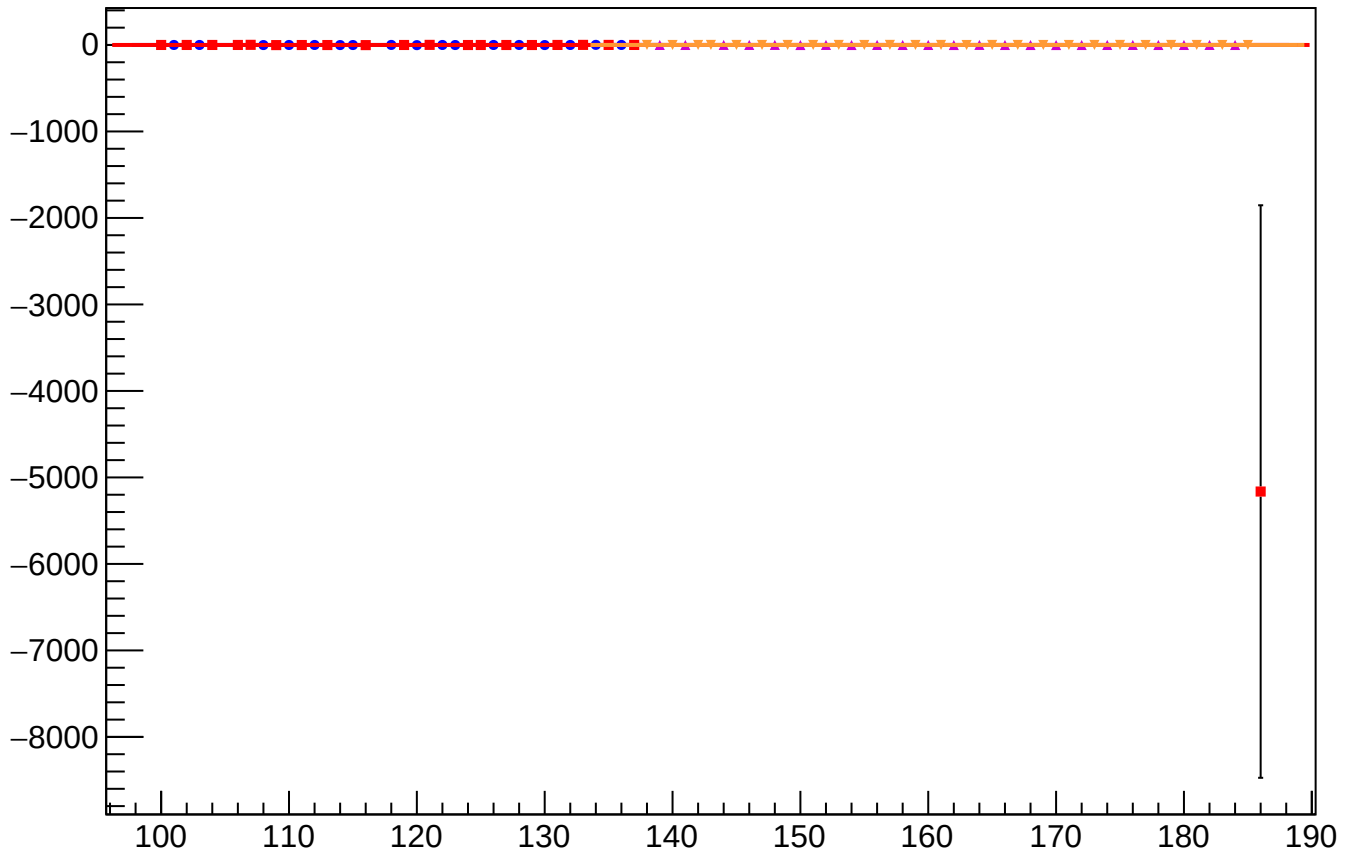
Left In: 4113.744 $\pm$ 0.700 χ^2 /NDF: 354965.8/22

+ sign 19.256 $\pm$ 0.015 χ^2 /NDF: 46765500.5/41

All: 19.069 $\pm$ 0.010 χ^2 /NDF: 92843637.1/84

- sign 18.901 $\pm$ 0.014 χ^2 /NDF: 46077830.3/42

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.3/16

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 20.5/19

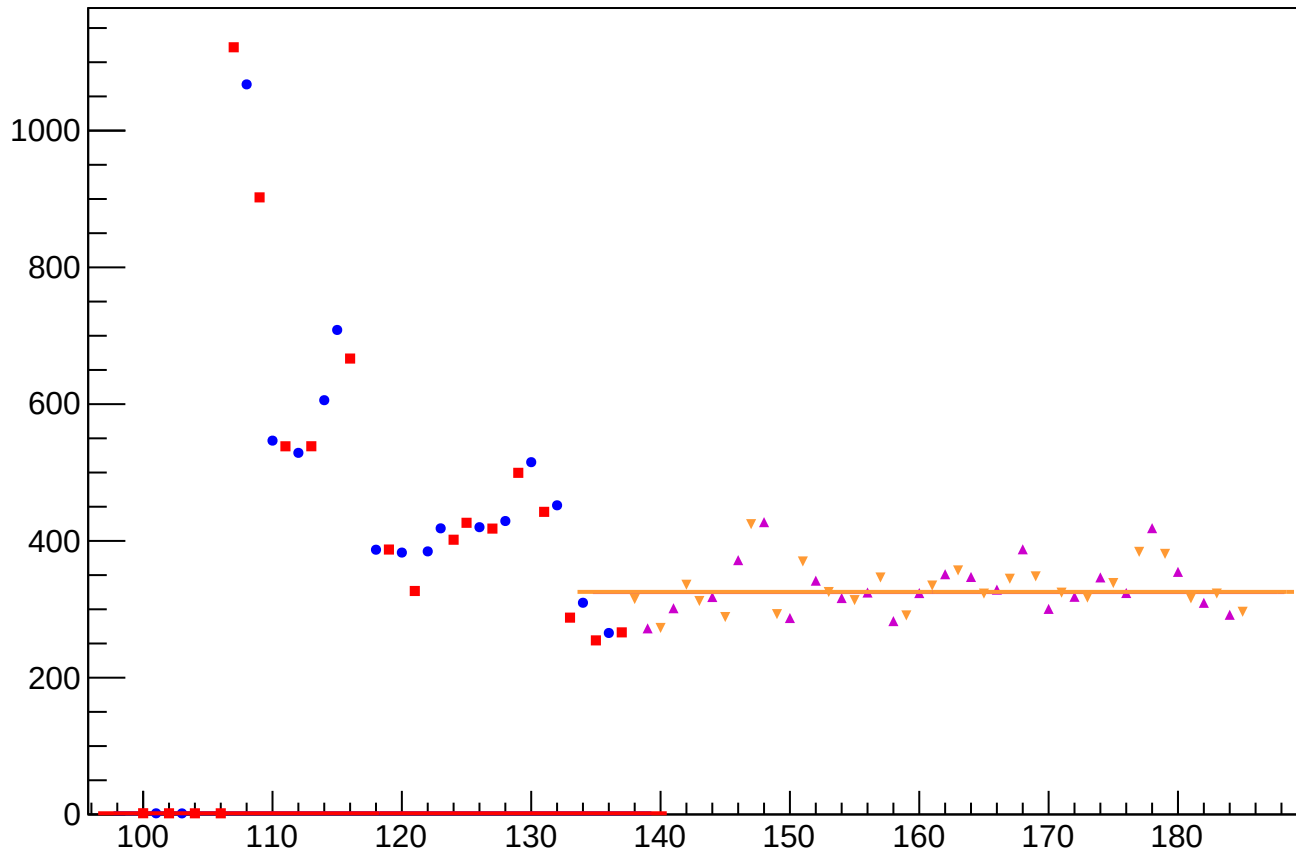
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 36.0/41

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 92.3/84

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 56.2/42

diff_cav4dY_rms vs Slug



Right In: 1.698 ± 0.001 χ^2/NDF : 10864983.9/16

Left Out: 325.469 ± 0.054 χ^2/NDF : 350046.8/24

Right Out: 1.728 ± 0.001 χ^2/NDF : 10690594.4/18

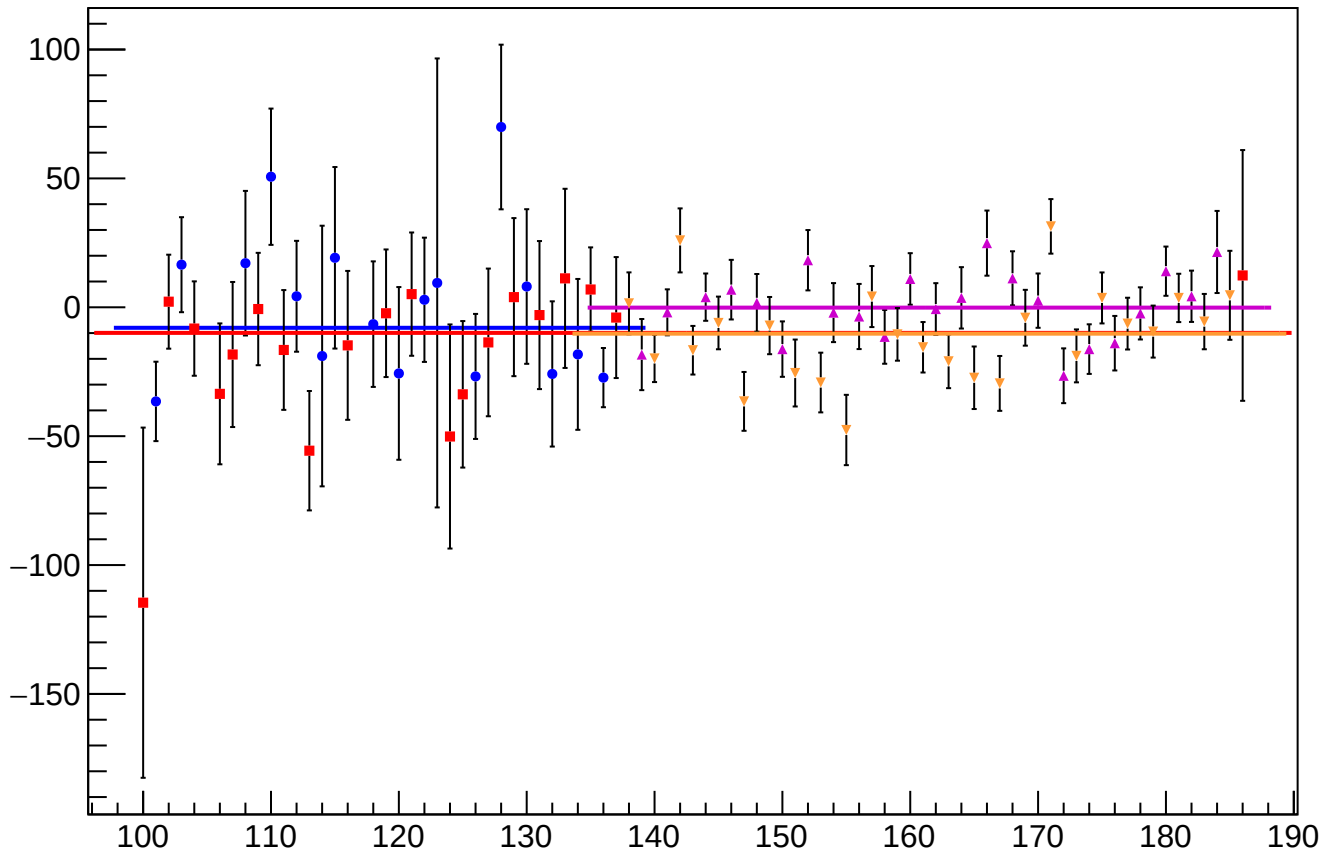
Left In: 325.201 ± 0.055 χ^2/NDF : 428069.7/22

+ sign 1.926 ± 0.001 χ^2/NDF : 47177361.4/41

All: 1.926 ± 0.001 χ^2/NDF : 92267035.9/83

- sign 1.925 ± 0.001 χ^2/NDF : 45089674.4/41

diff_bpm4aX_mean vs Slug



Right In: -7.952 ± 5.639 χ^2/NDF : 22.6/16

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -9.928 ± 5.654 χ^2/NDF : 11.9/19

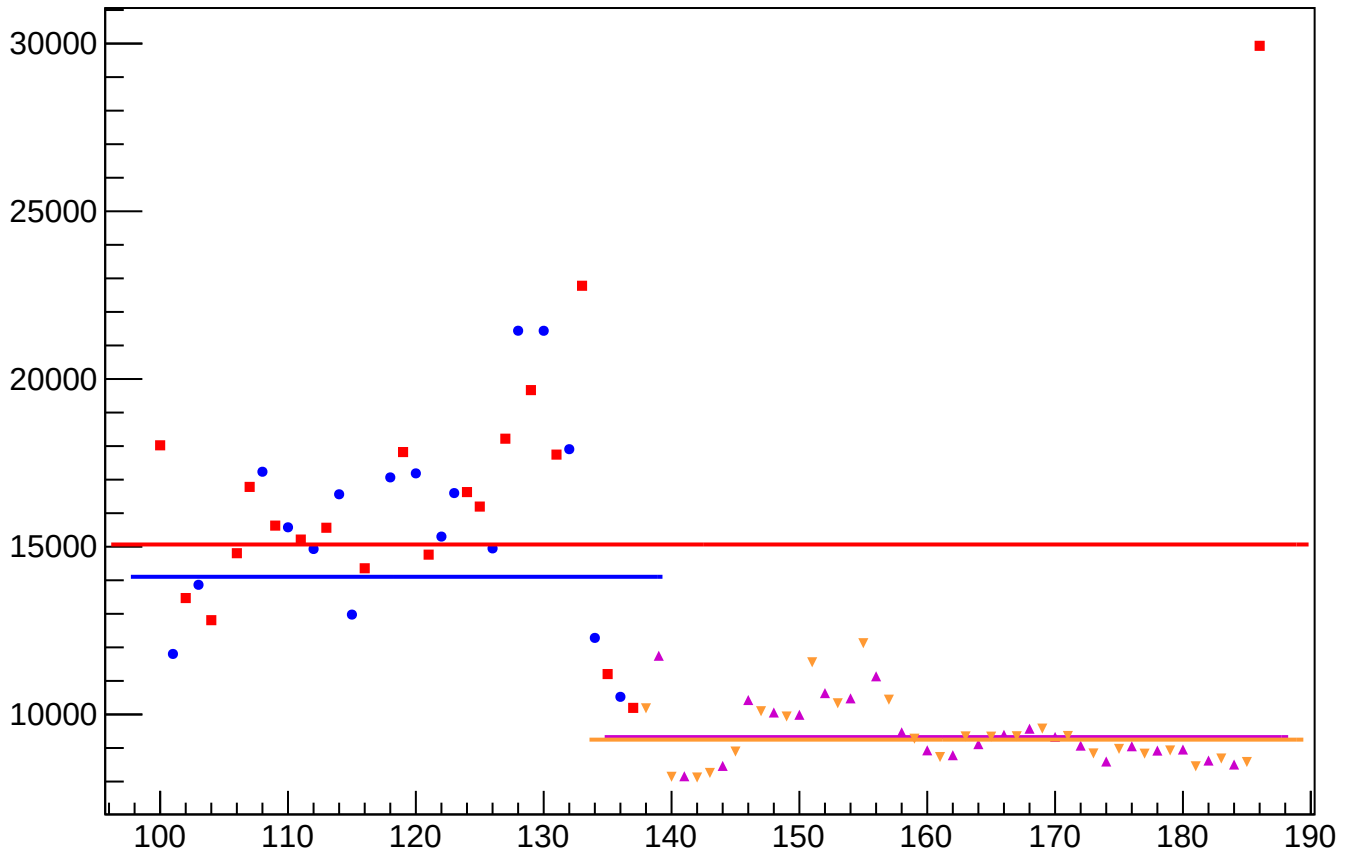
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -9.941 ± 2.022 χ^2/NDF : 80.7/41

All: -5.829 ± 1.451 χ^2/NDF : 133.6/84

- sign -1.461 ± 2.084 χ^2/NDF : 44.3/42

diff_bpm4aX_rms vs Slug



Right In: 14104.125+/-3.987 χ^2/NDF : 604857.2/16

Left Out: 9249.358+/-1.532 χ^2/NDF : 332003.4/24

+ sign 9873.926+/-1.430 χ^2/NDF : 2228683.6/41

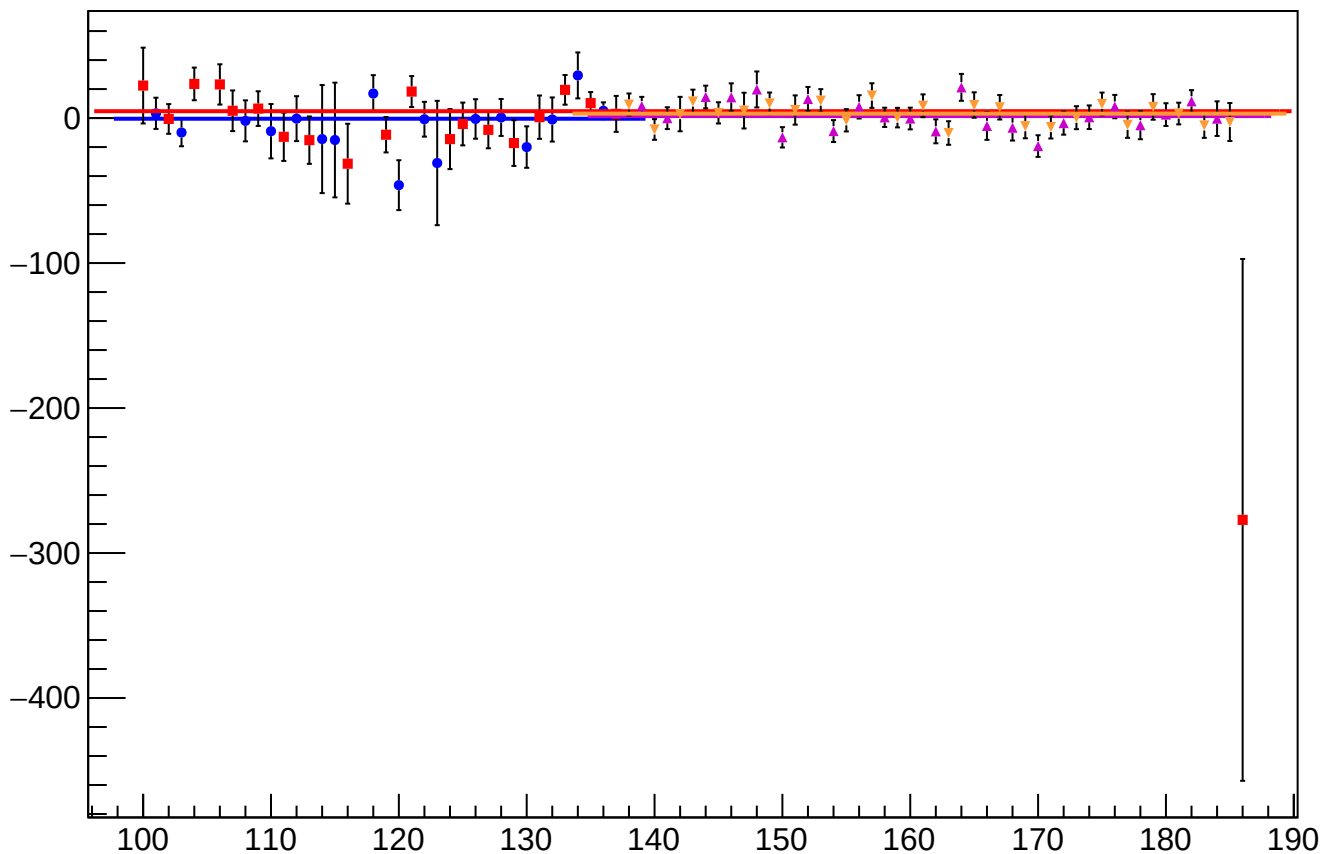
Right Out: 15067.147+/-3.998 χ^2/NDF : 661492.7/19

All: 9986.221+/-1.026 χ^2/NDF : 4966386.2/84

Left In: 9325.112+/-1.585 χ^2/NDF : 280927.7/22

- sign 10105.485+/-1.474 χ^2/NDF : 2724988.5/42

diff_bpm4aY_mean vs Slug



Right In: -0.456 ± 3.089 χ^2/NDF : 17.4/16

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 4.739 ± 2.945 χ^2/NDF : 22.4/19

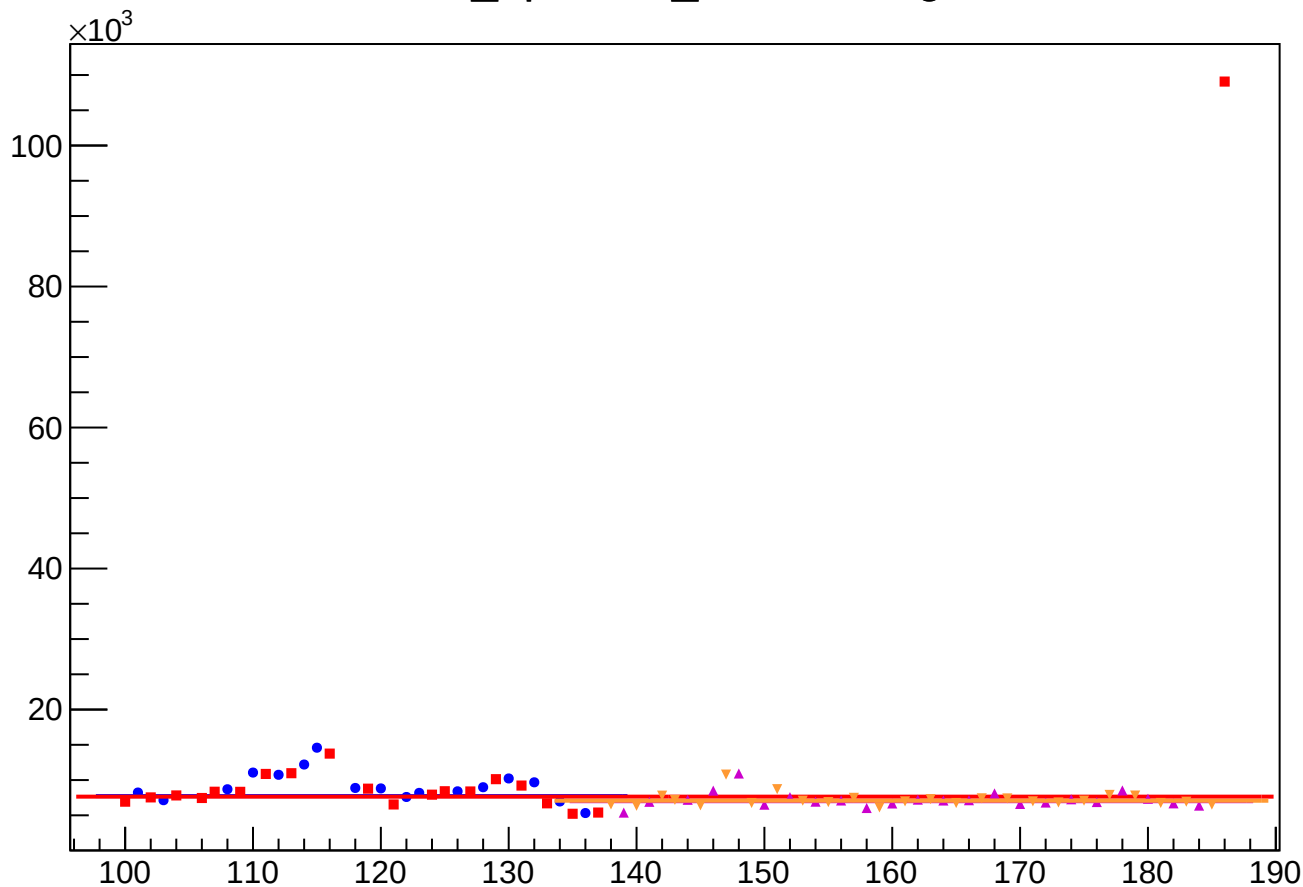
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.274 ± 1.461 χ^2/NDF : 36.7/41

All: 2.250 ± 1.036 χ^2/NDF : 95.4/84

- sign 2.225 ± 1.468 χ^2/NDF : 58.7/42

diff_bpm4aY_rms vs Slug



Right In: 7726.613 ± 2.184 $\chi^2/\text{NDF}: 742603.6/16$

Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$

Right Out: 7647.285 ± 2.083 $\chi^2/\text{NDF}: 1314650.1/19$

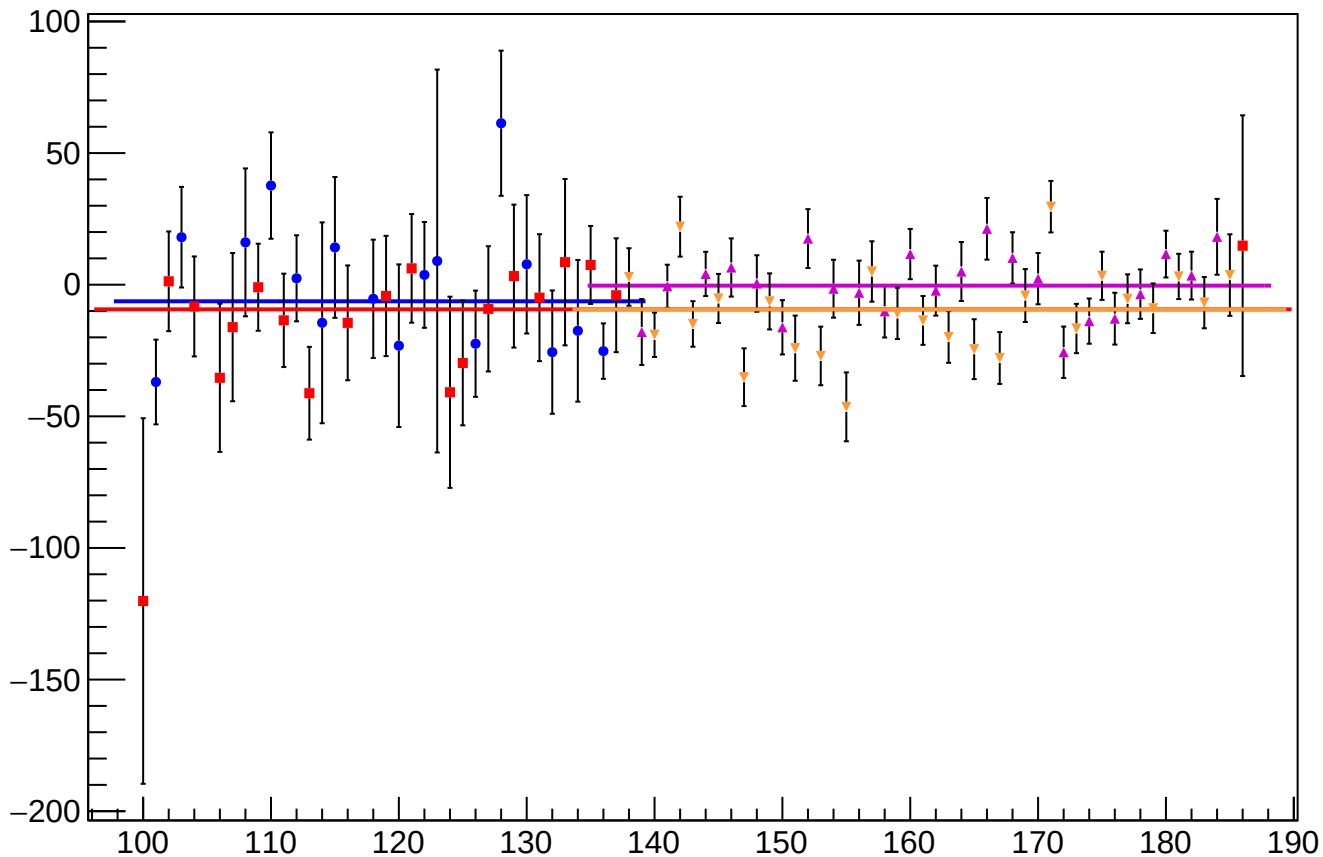
Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

+ sign 7214.486 ± 1.033 $\chi^2/\text{NDF}: 1200862.8/41$

All: 7187.946 ± 0.732 $\chi^2/\text{NDF}: 3139345.9/84$

- sign 7161.171 ± 1.038 $\chi^2/\text{NDF}: 1937158.2/42$

diff_bpm4eX_mean vs Slug



Right In: -6.303 ± 5.045 χ^2/NDF : 23.2/16

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -9.366 ± 4.987 χ^2/NDF : 11.7/19

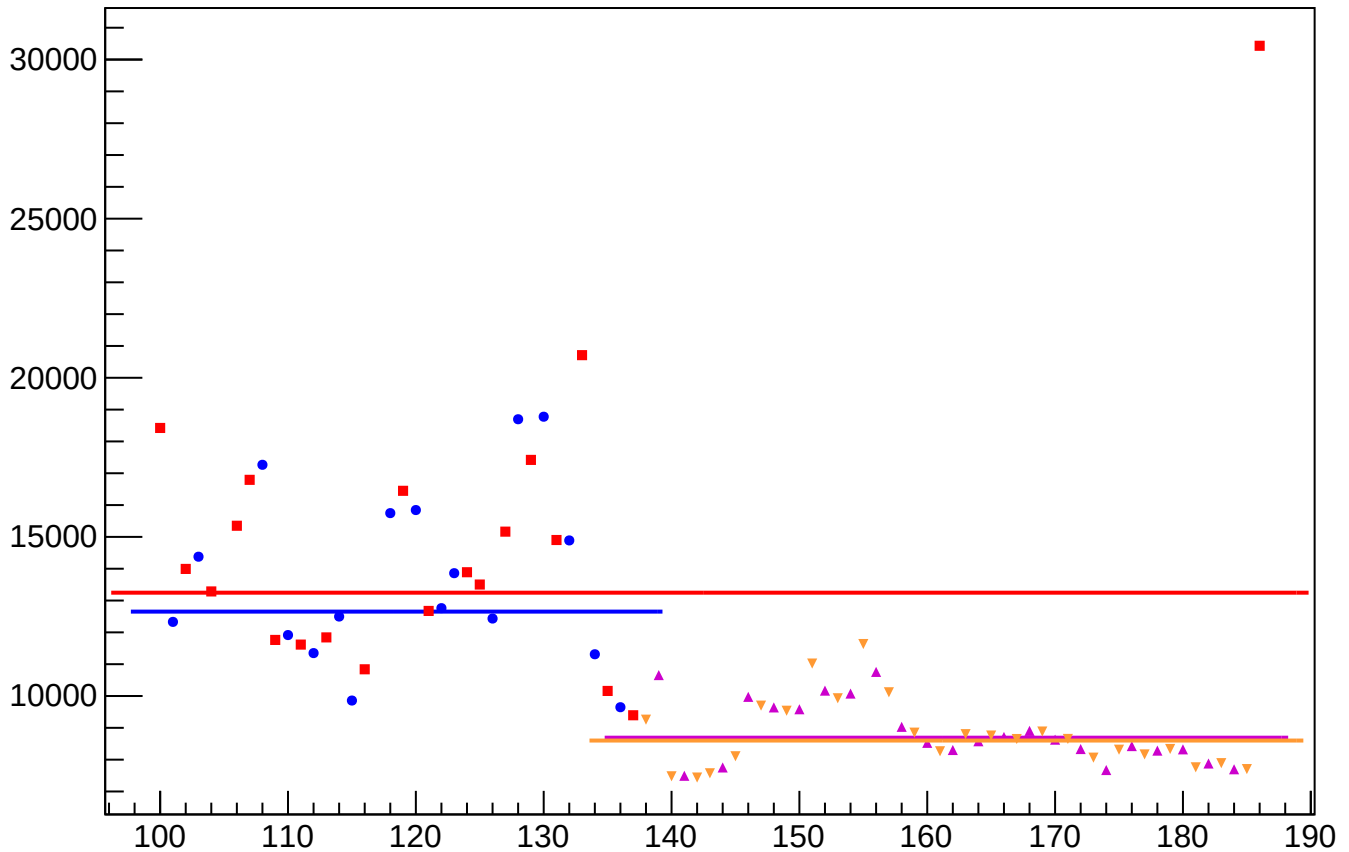
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -8.952 ± 1.873 χ^2/NDF : 81.9/41

All: -5.434 ± 1.344 χ^2/NDF : 133.3/84

- sign -1.702 ± 1.929 χ^2/NDF : 44.1/42

diff_bpm4eX_rms vs Slug



Right In: 12652.101+/-3.567 χ^2/NDF : 559356.1/16

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 13246.891+/-3.527 χ^2/NDF : 741379.6/19

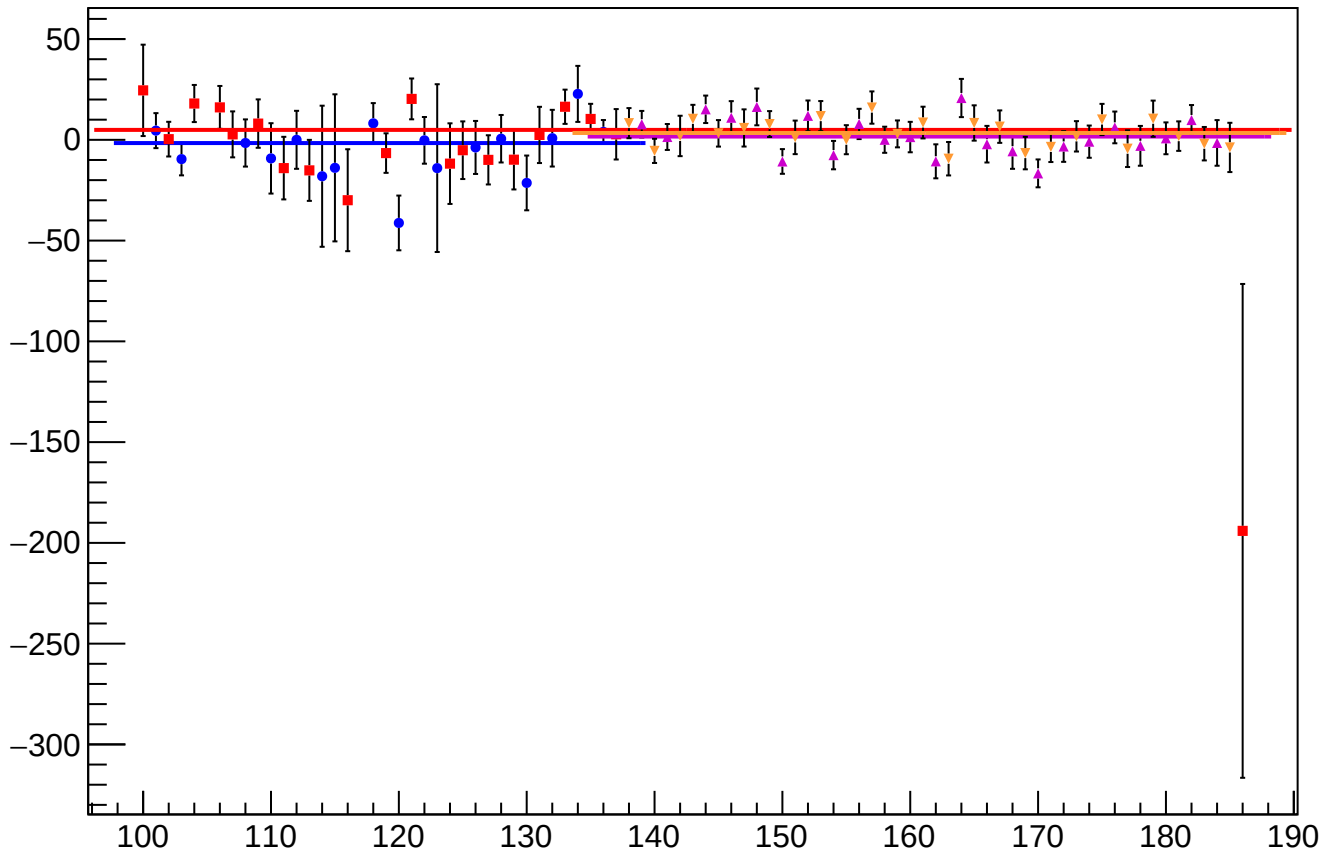
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 9159.150+/-1.325 χ^2/NDF : 2109570.4/41

All: 9262.486+/-0.950 χ^2/NDF : 4653917.7/84

- sign 9372.077+/-1.364 χ^2/NDF : 2531809.6/42

diff_bpm4eY_mean vs Slug



Right In: -1.604 ± 2.811 χ^2/NDF : 17.8/16

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 4.930 ± 2.646 χ^2/NDF : 21.8/19

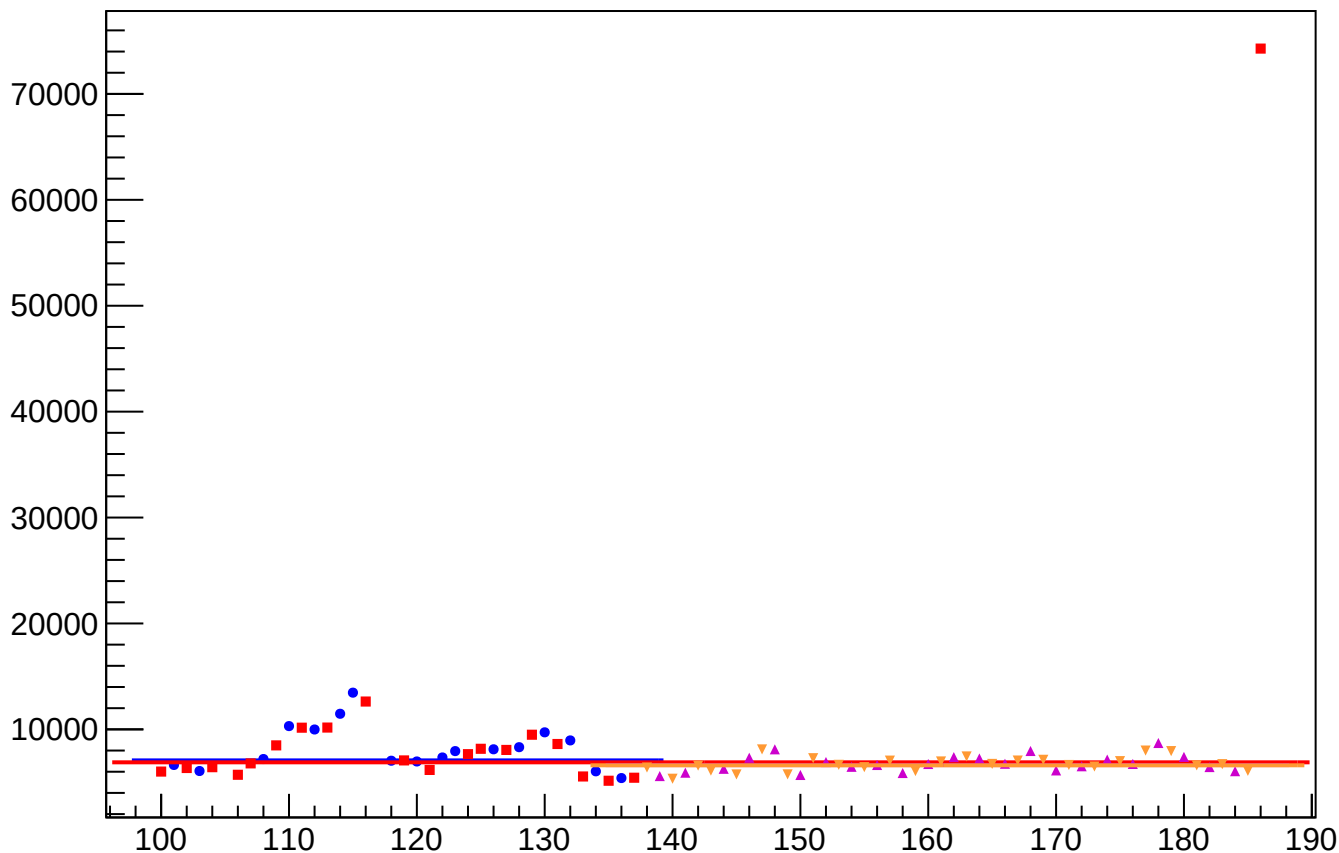
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.237 ± 1.358 χ^2/NDF : 37.0/41

All: 2.373 ± 0.964 χ^2/NDF : 93.5/84

- sign 2.510 ± 1.369 χ^2/NDF : 56.4/42

diff_bpm4eY_rms vs Slug



Right In: 7069.683+/-1.988 χ^2/NDF : 601725.0/16

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

Right Out: 6887.593+/-1.871 χ^2/NDF : 1291771.2/19

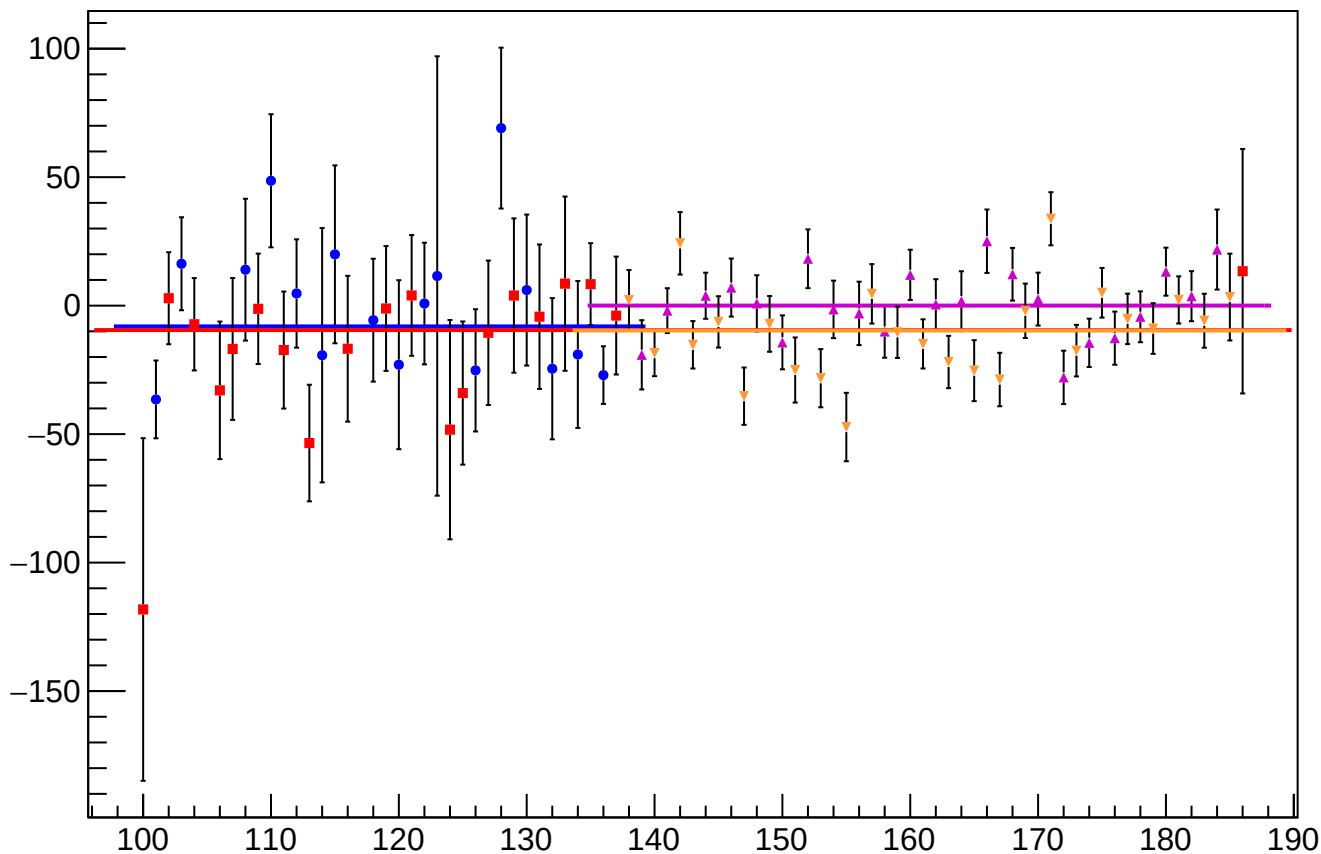
Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

+ sign 6715.011+/-0.960 χ^2/NDF : 1041672.6/41

All: 6706.533+/-0.682 χ^2/NDF : 2777910.8/84

- sign 6697.917+/-0.968 χ^2/NDF : 1736080.9/42

diff_bpm4acX_mean vs Slug



Right In: -8.084 ± 5.527 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -9.649 ± 2.118 $\chi^2/\text{NDF}: 59.8/24$

Right Out: -9.512 ± 5.543 $\chi^2/\text{NDF}: 12.2/19$

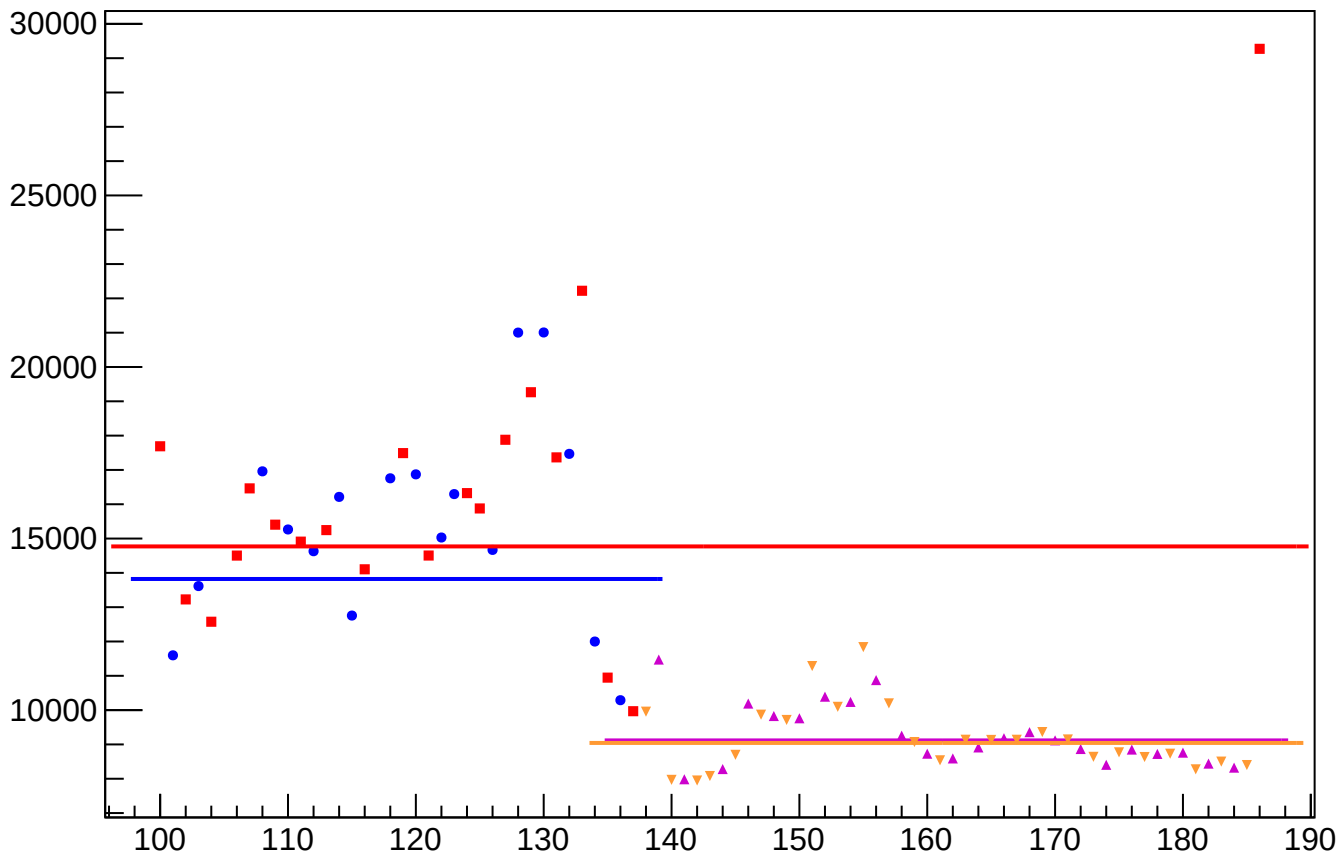
Left In: 0.019 ± 2.192 $\chi^2/\text{NDF}: 30.6/22$

+ sign -9.448 ± 1.978 $\chi^2/\text{NDF}: 82.3/41$

All: -5.482 ± 1.419 $\chi^2/\text{NDF}: 136.0/84$

- sign -1.270 ± 2.038 $\chi^2/\text{NDF}: 45.4/42$

diff_bpm4acX_rms vs Slug



Right In: 13821.849+/-3.908 χ^2/NDF : 607967.7/16

Left Out: 9043.485+/-1.498 χ^2/NDF : 328192.2/24

Right Out: 14770.789+/-3.919 χ^2/NDF : 662393.4/19

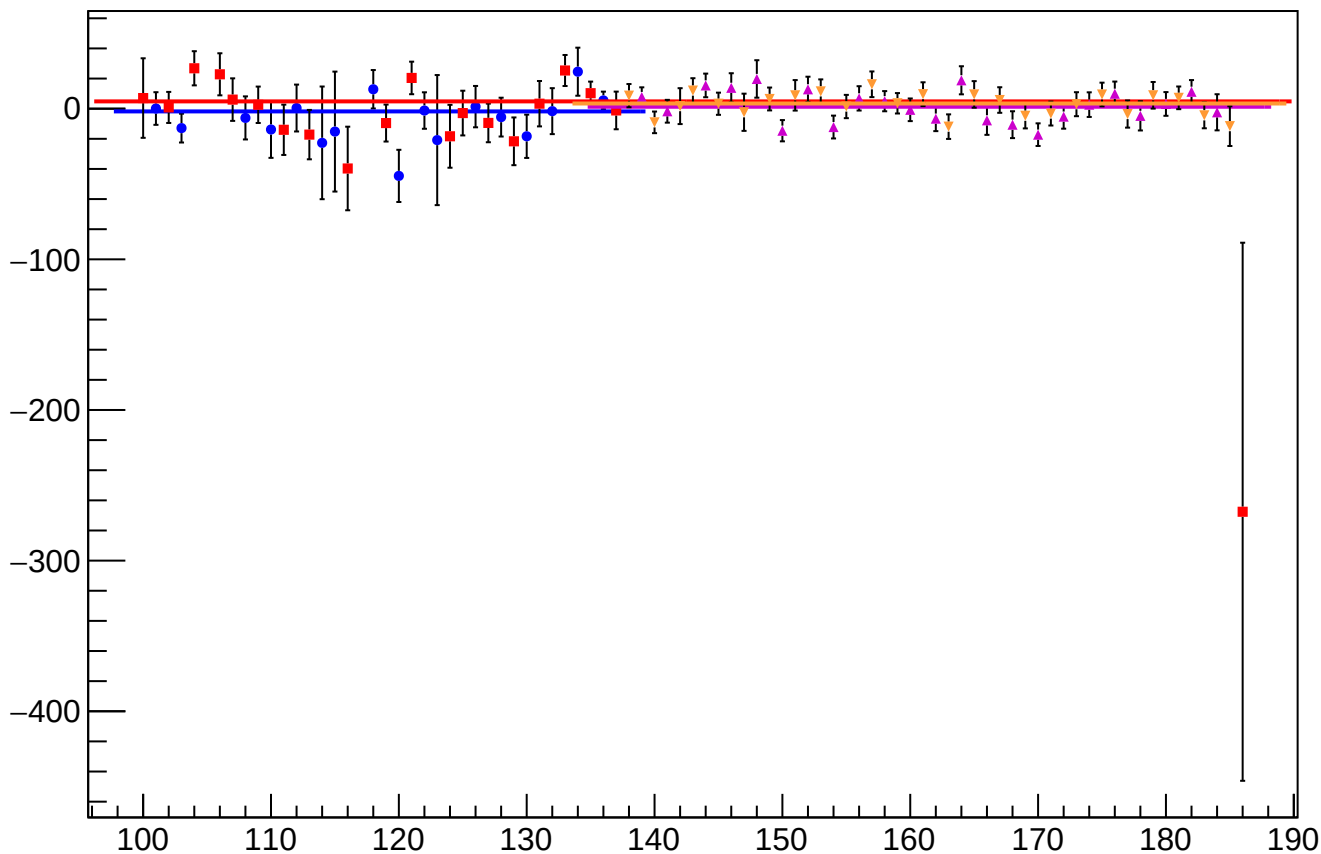
Left In: 9116.921+/-1.550 χ^2/NDF : 277594.8/22

+ sign 9655.534+/-1.399 χ^2/NDF : 2239775.6/41

All: 9765.157+/-1.004 χ^2/NDF : 4991994.2/84

- sign 9881.584+/-1.441 χ^2/NDF : 2739550.4/42

diff_bpm4acY_mean vs Slug



Right In: -1.806 ± 3.112 χ^2/NDF : 15.7/16

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 4.845 ± 2.968 χ^2/NDF : 27.3/19

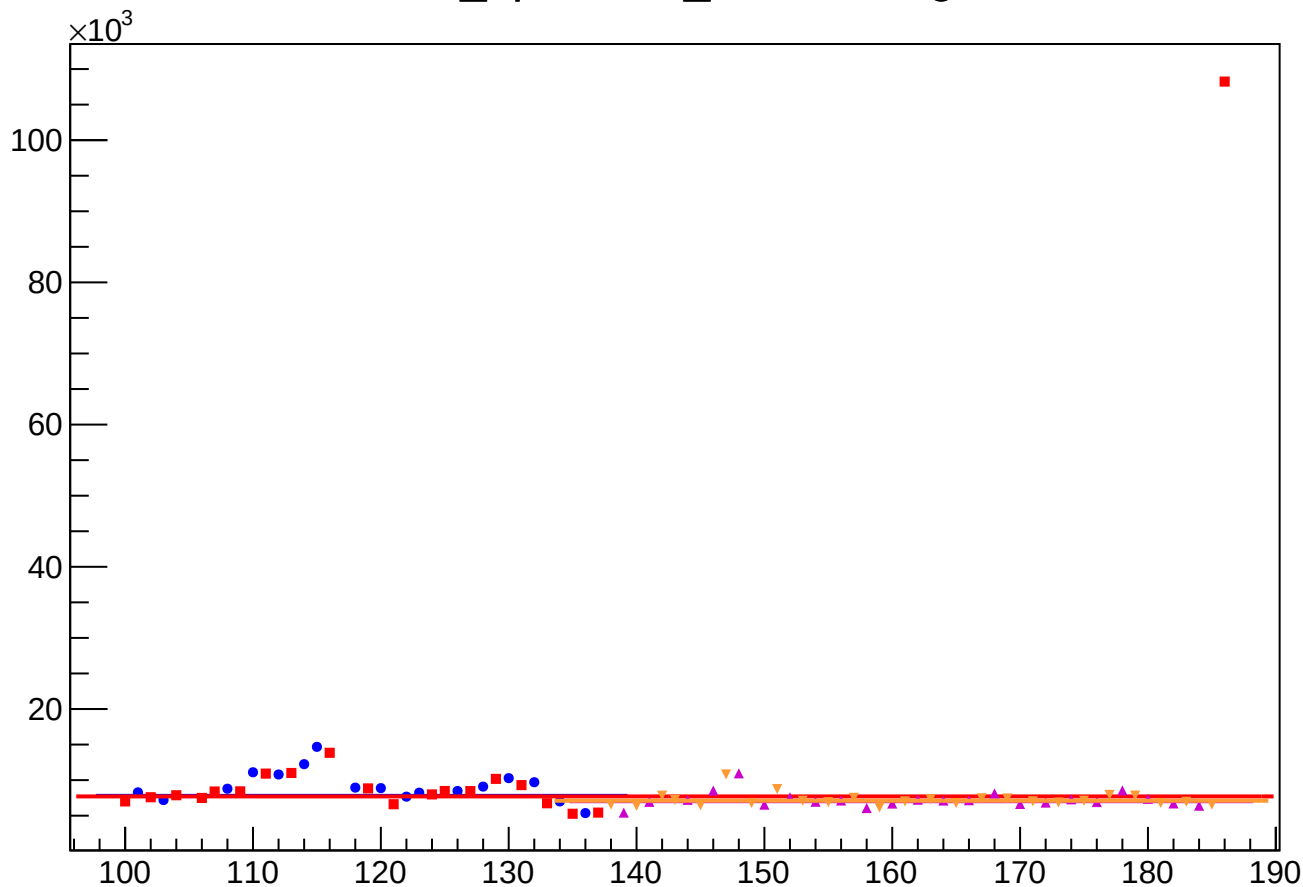
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.271 ± 1.469 χ^2/NDF : 36.8/41

All: 2.221 ± 1.041 χ^2/NDF : 101.7/84

- sign 2.170 ± 1.476 χ^2/NDF : 64.9/42

diff_bpm4acY_rms vs Slug



Right In: 7785.499 $\pm$ 2.201 χ^2 /NDF: 738102.3/16

Left Out: 7098.726 $\pm$ 1.178 χ^2 /NDF: 382550.4/24

Right Out: 7708.844 $\pm$ 2.099 χ^2 /NDF: 1306658.9/19

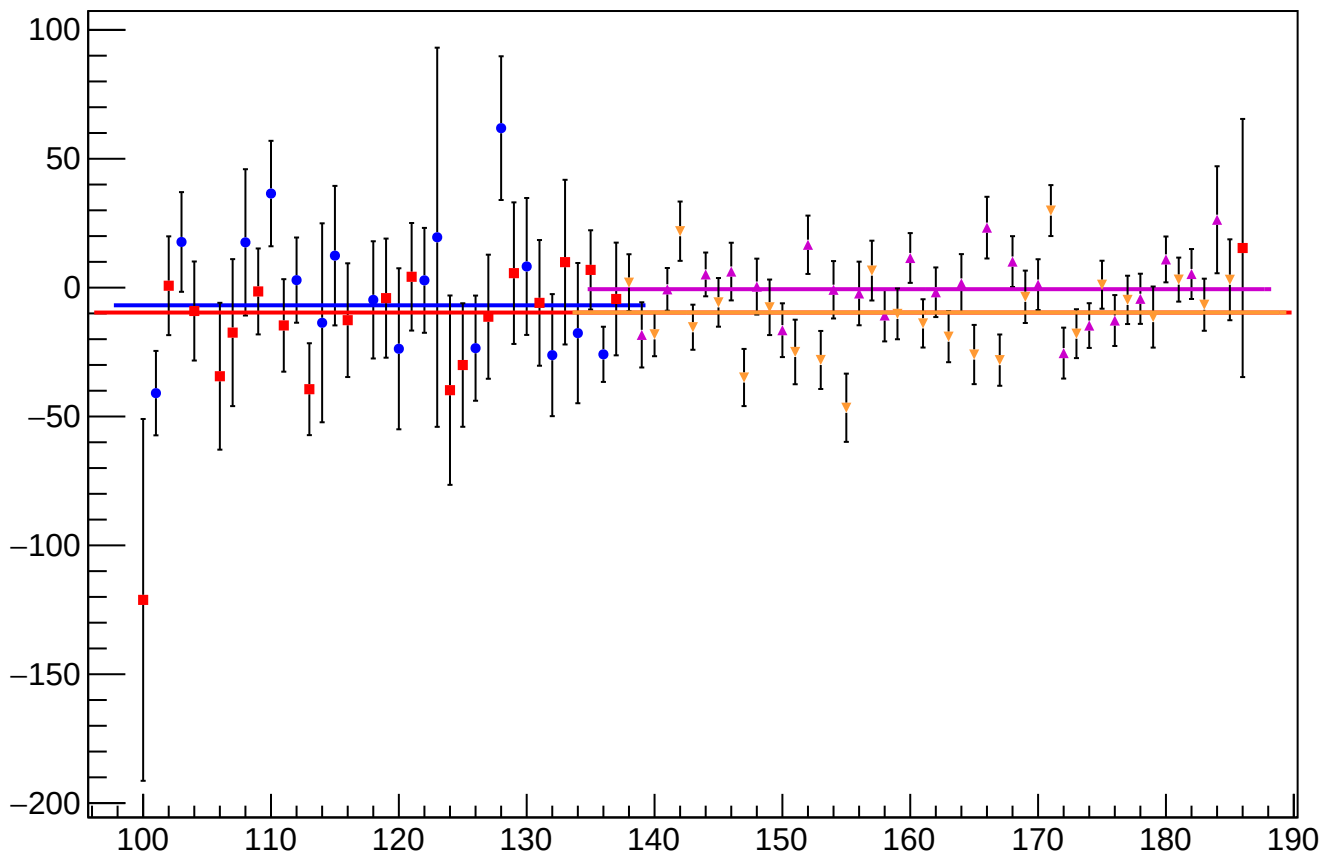
Left In: 7033.702 $\pm$ 1.203 χ^2 /NDF: 541035.5/22

+ sign 7251.710 $\pm$ 1.039 χ^2 /NDF: 1196351.9/41

All: 7226.277 $\pm$ 0.736 χ^2 /NDF: 3123151.6/84

- sign 7200.604 $\pm$ 1.044 χ^2 /NDF: 1925594.8/42

diff_bpm4ecX_mean vs Slug



Right In: -6.855 ± 5.113 χ^2/NDF : 23.8/16

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -9.664 ± 5.058 χ^2/NDF : 10.8/19

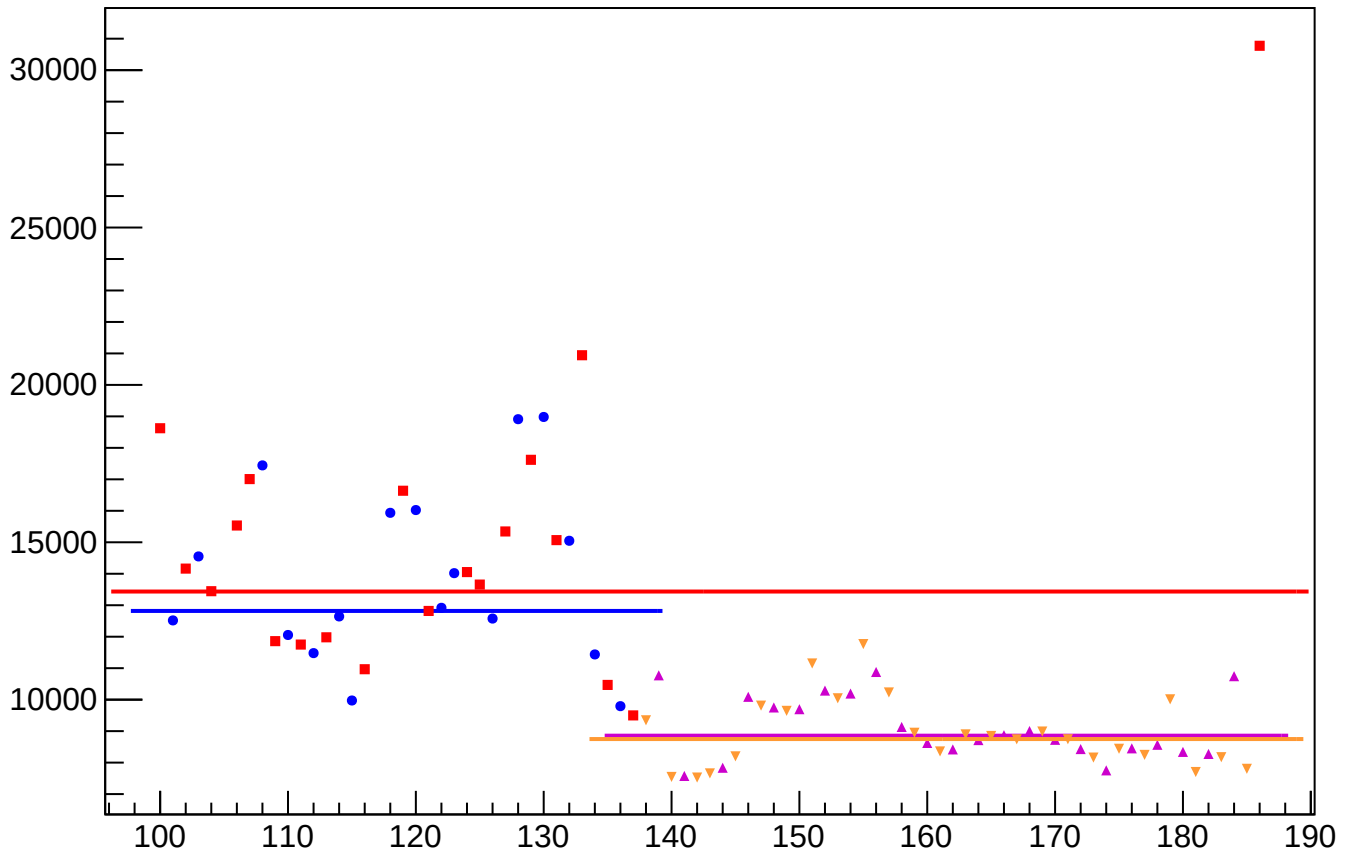
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.252 ± 1.909 χ^2/NDF : 81.7/41

All: -5.721 ± 1.370 χ^2/NDF : 131.9/84

- sign -1.970 ± 1.967 χ^2/NDF : 43.2/42

diff_bpm4ecX_rms vs Slug



Right In: 12818.610 $\pm$ 3.615 χ^2 /NDF: 553065.0/16

Left Out: 8748.407 $\pm$ 1.455 χ^2 /NDF:463394.1/24

Right Out: 13435.149 $\pm$ 3.577 χ^2 /NDF: 728235.9/19

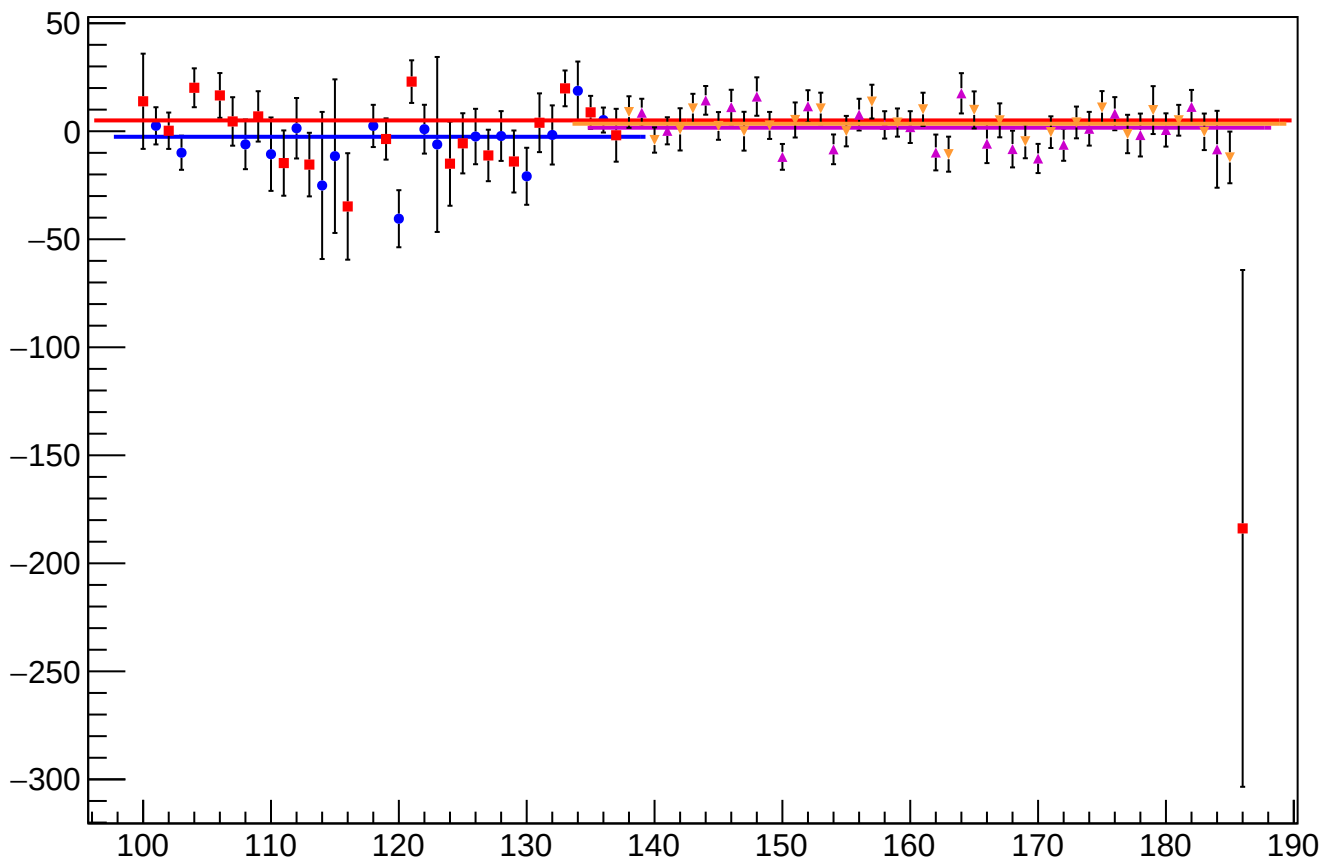
Left In: 8855.591 $\pm$ 1.510 χ^2 /NDF:367542.7/22

+ sign 9315.537 $\pm$ 1.350 χ^2 /NDF: 2107270.0/41

All: 9428.302 $\pm$ 0.969 χ^2 /NDF: 4608859.8/84

- sign 9548.078 $\pm$ 1.391 χ^2 /NDF: 2487192.2/42

diff_bpm4ecY_mean vs Slug



Right In: -2.566 ± 2.752 χ^2/NDF : 16.9/16

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 5.010 ± 2.594 χ^2/NDF : 26.5/19

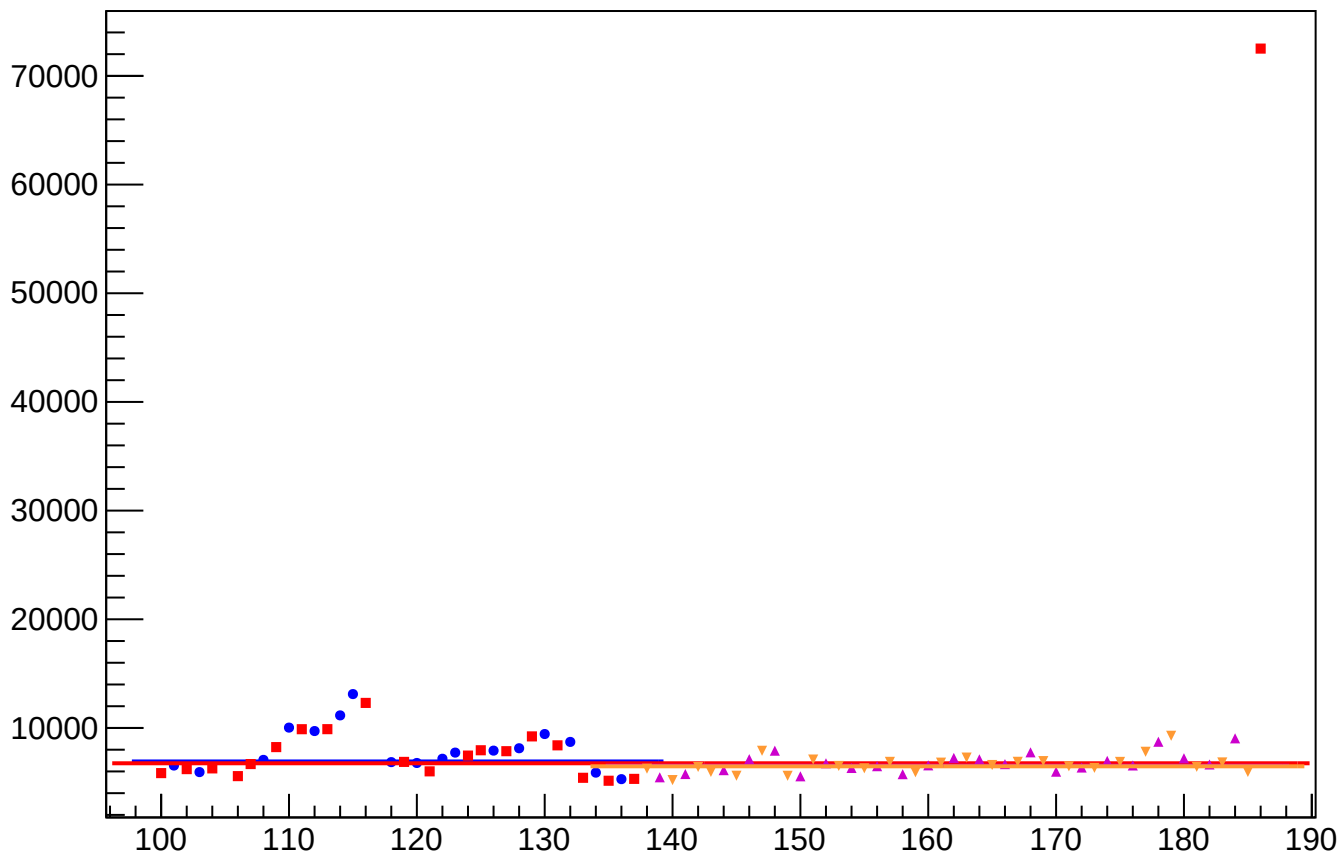
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.055 ± 1.333 χ^2/NDF : 36.4/41

All: 2.299 ± 0.948 χ^2/NDF : 97.9/84

- sign 2.549 ± 1.348 χ^2/NDF : 61.4/42

diff_bpm4ecY_rms vs Slug



Right In: 6917.621 ± 1.946 $\chi^2/\text{NDF}: 588010.6/16$

Left Out: 6471.976 ± 1.078 $\chi^2/\text{NDF}: 490282.9/24$

Right Out: 6750.431 ± 1.834 $\chi^2/\text{NDF}: 1262747.1/19$

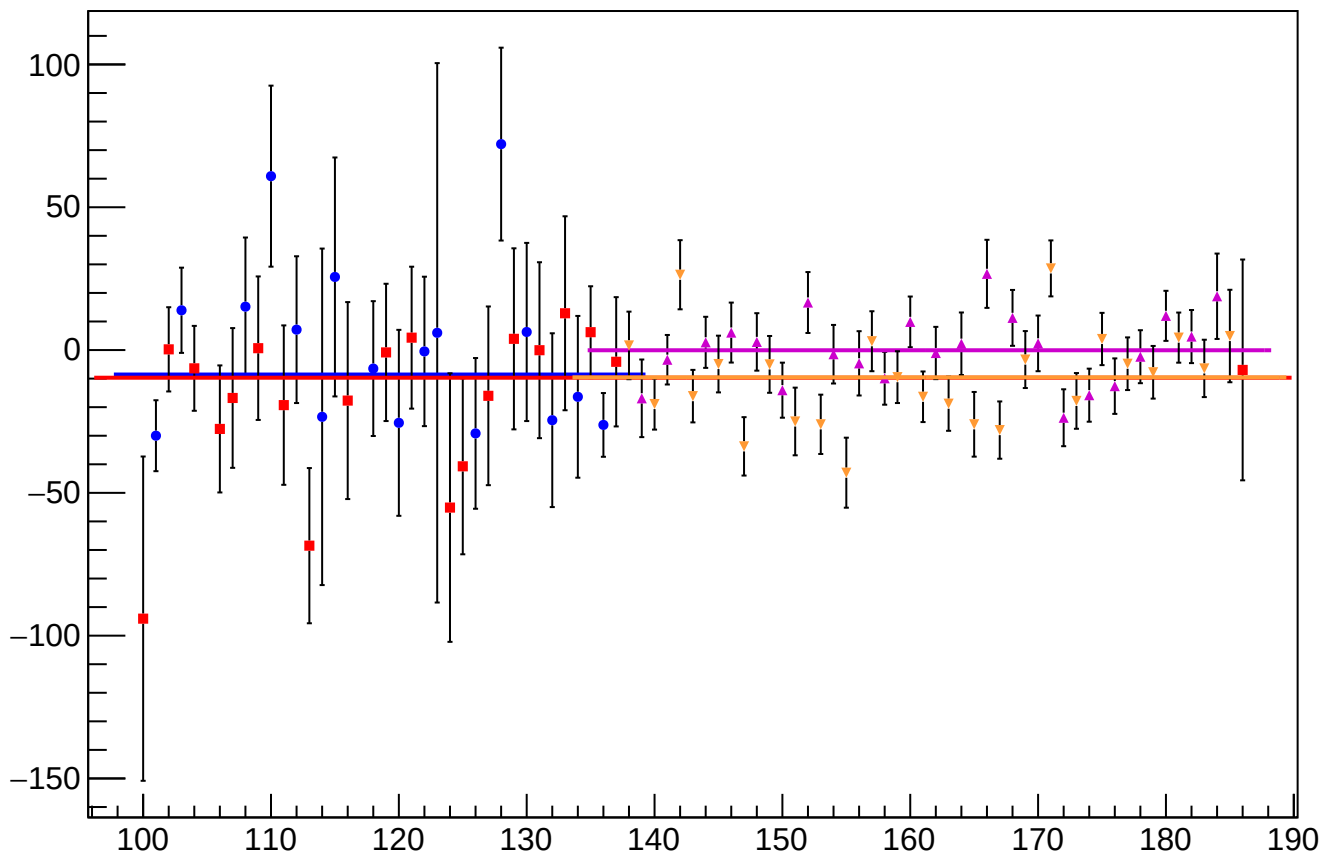
Left In: 6521.975 ± 1.116 $\chi^2/\text{NDF}: 480034.7/22$

+ sign 6576.606 ± 0.943 $\chi^2/\text{NDF}: 1118429.3/41$

All: 6580.104 ± 0.670 $\chi^2/\text{NDF}: 2872562.9/84$

- sign 6583.679 ± 0.953 $\chi^2/\text{NDF}: 1754105.7/42$

diff_bpm1X_mean vs Slug



Right In: -8.571 ± 5.419 χ^2/NDF : 21.9/16

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -9.687 ± 5.465 χ^2/NDF : 12.7/19

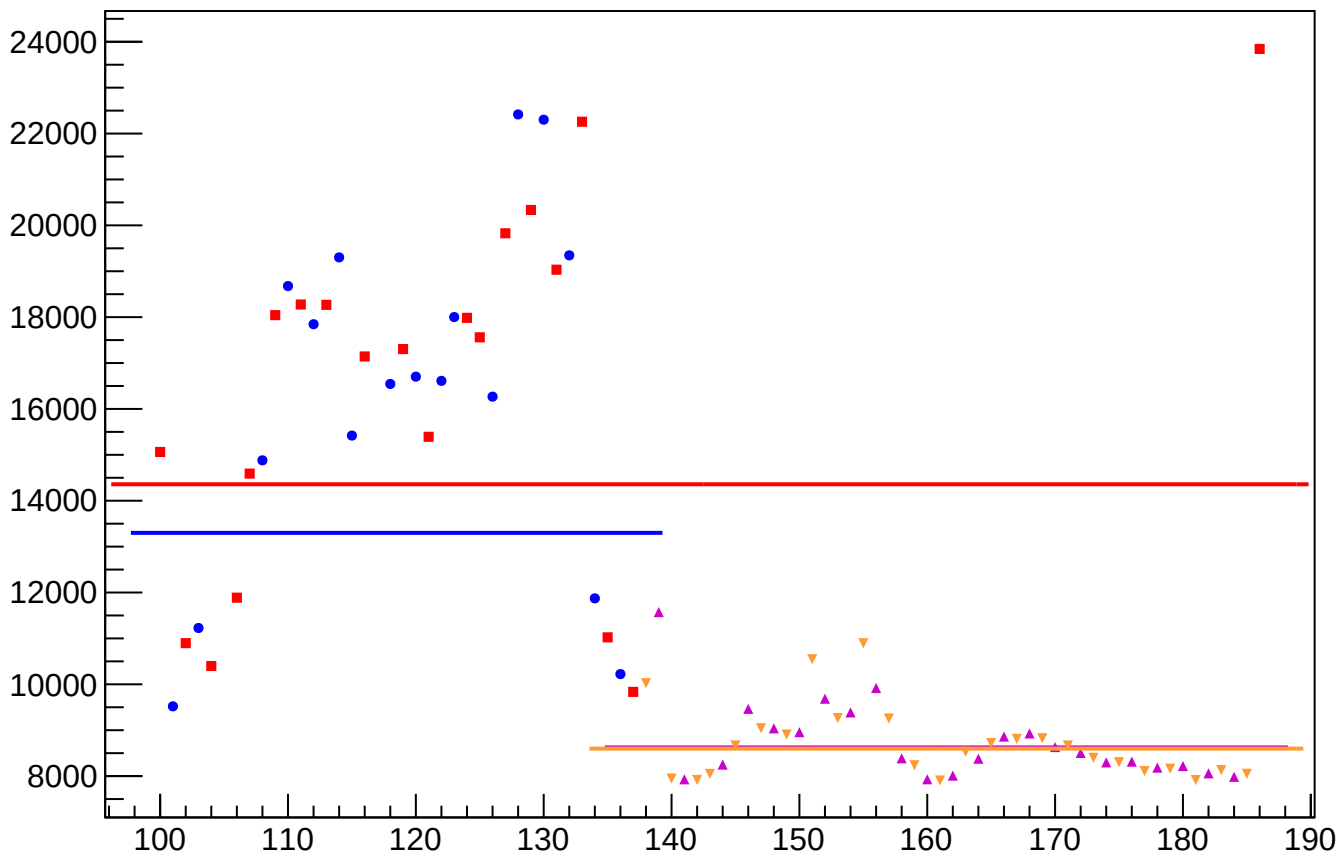
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.435 ± 1.886 χ^2/NDF : 81.5/41

All: -5.469 ± 1.352 χ^2/NDF : 135.8/84

- sign -1.281 ± 1.938 χ^2/NDF : 45.2/42

diff_bpm1X_rms vs Slug



Right In: 13300.415+/-3.832 χ^2/NDF : 1048873.0/16

Left Out: 8598.983+/-1.423 χ^2/NDF : 249070.5/24

Right Out: 14358.314+/-3.865 χ^2/NDF : 1054148.5/19

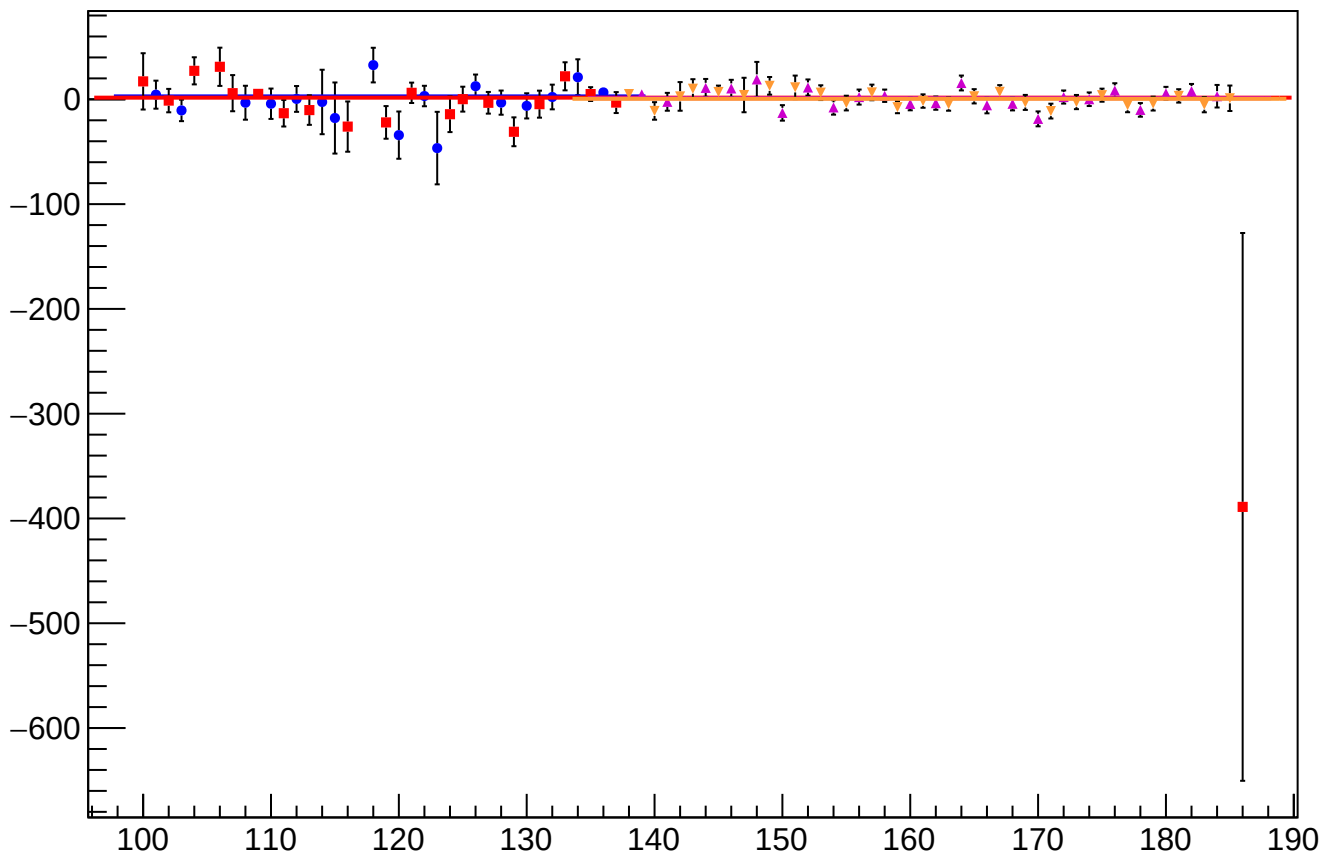
Left In: 8625.233+/-1.466 χ^2/NDF : 237310.9/22

+ sign 9168.511+/-1.334 χ^2/NDF : 2621133.6/41

All: 9254.889+/-0.956 χ^2/NDF : 5845147.2/84

- sign 9346.104+/-1.370 χ^2/NDF : 3215388.0/42

diff_bpm1Y_mean vs Slug



Right In: 2.820 ± 2.762 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 0.528 ± 1.418 $\chi^2/\text{NDF}: 19.5/24$

Right Out: 1.609 ± 2.447 $\chi^2/\text{NDF}: 25.5/19$

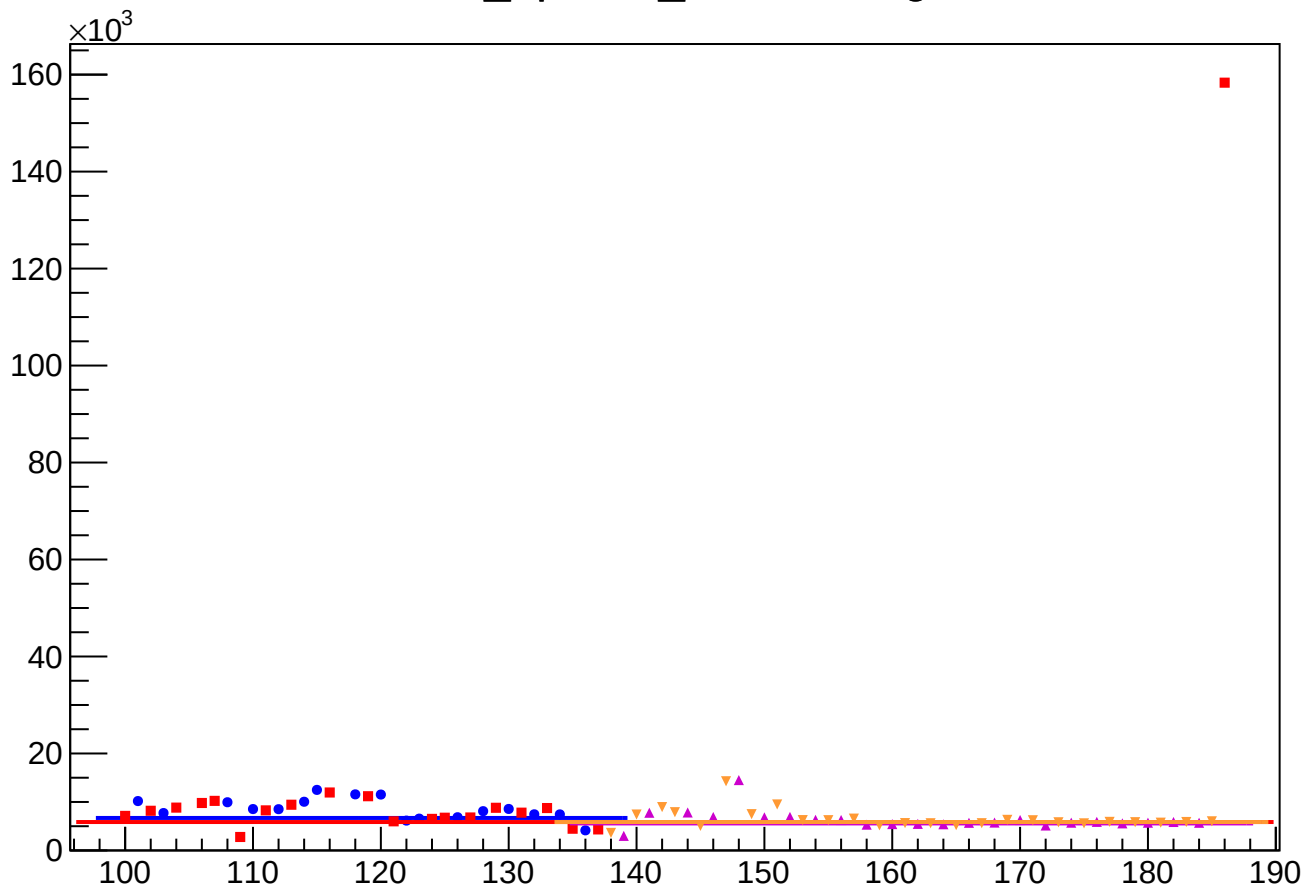
Left In: 1.050 ± 1.396 $\chi^2/\text{NDF}: 32.5/22$

+ sign 1.006 ± 1.261 $\chi^2/\text{NDF}: 34.0/41$

All: 1.100 ± 0.874 $\chi^2/\text{NDF}: 92.1/84$

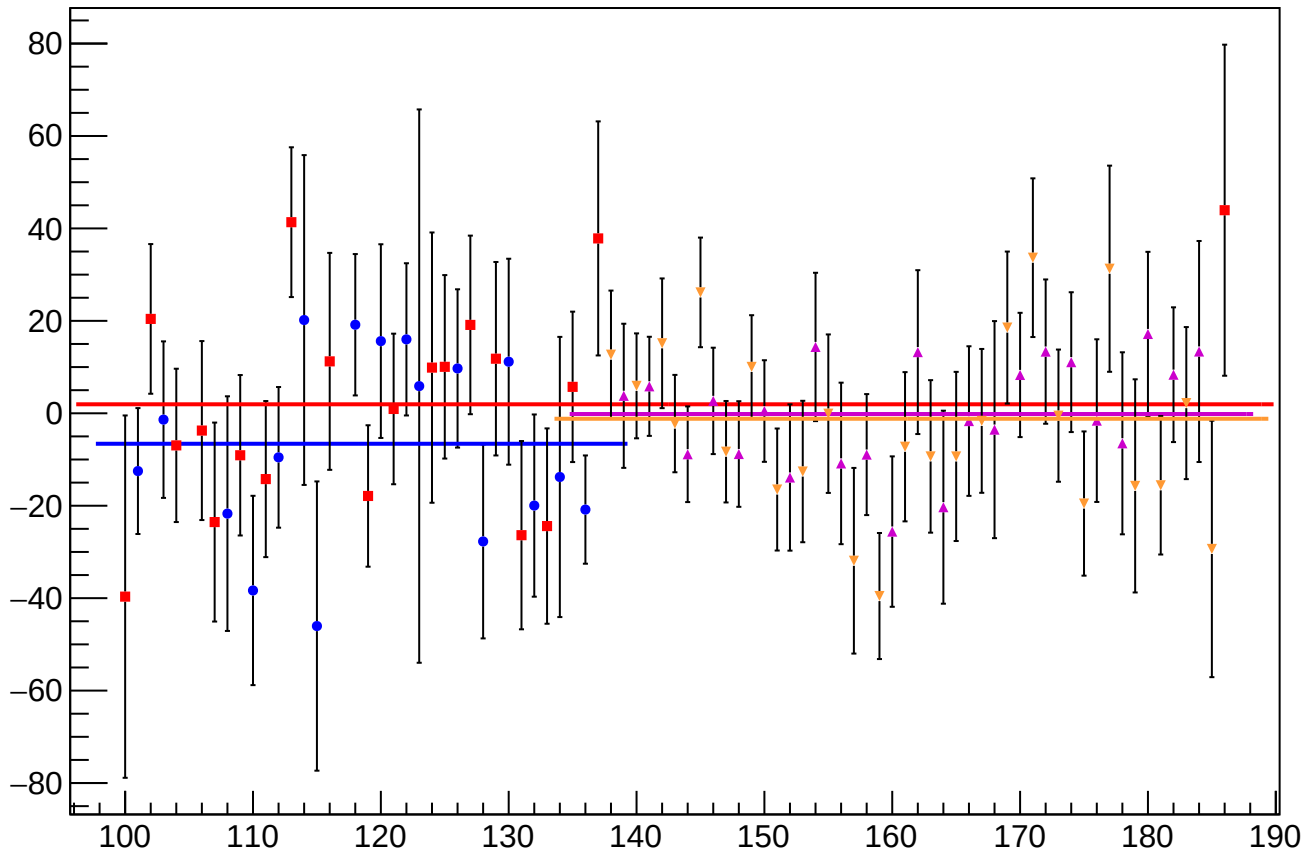
- sign 1.187 ± 1.212 $\chi^2/\text{NDF}: 58.1/42$

diff_bpm1Y_rms vs Slug



Right In: 6702.778 ± 1.953	$\chi^2/\text{NDF}: 1389564.7/16$	+ sign 6036.154 ± 0.892	$\chi^2/\text{NDF}: 3226746.7/41$
Left Out: 5860.605 ± 1.002	$\chi^2/\text{NDF}: 1690049.2/24$	All: 5831.642 ± 0.618	$\chi^2/\text{NDF}: 8474545.1/84$
Right Out: 5862.170 ± 1.730	$\chi^2/\text{NDF}: 2962525.5/19$	- sign 5642.699 ± 0.857	$\chi^2/\text{NDF}: 5146629.8/42$
Left In: 5571.330 ± 0.987	$\chi^2/\text{NDF}: 2162788.3/22$		

diff_bpm11X_mean vs Slug



Right In: -6.592 ± 4.559 χ^2/NDF : 15.7/16

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 1.948 ± 4.350 χ^2/NDF : 21.5/19

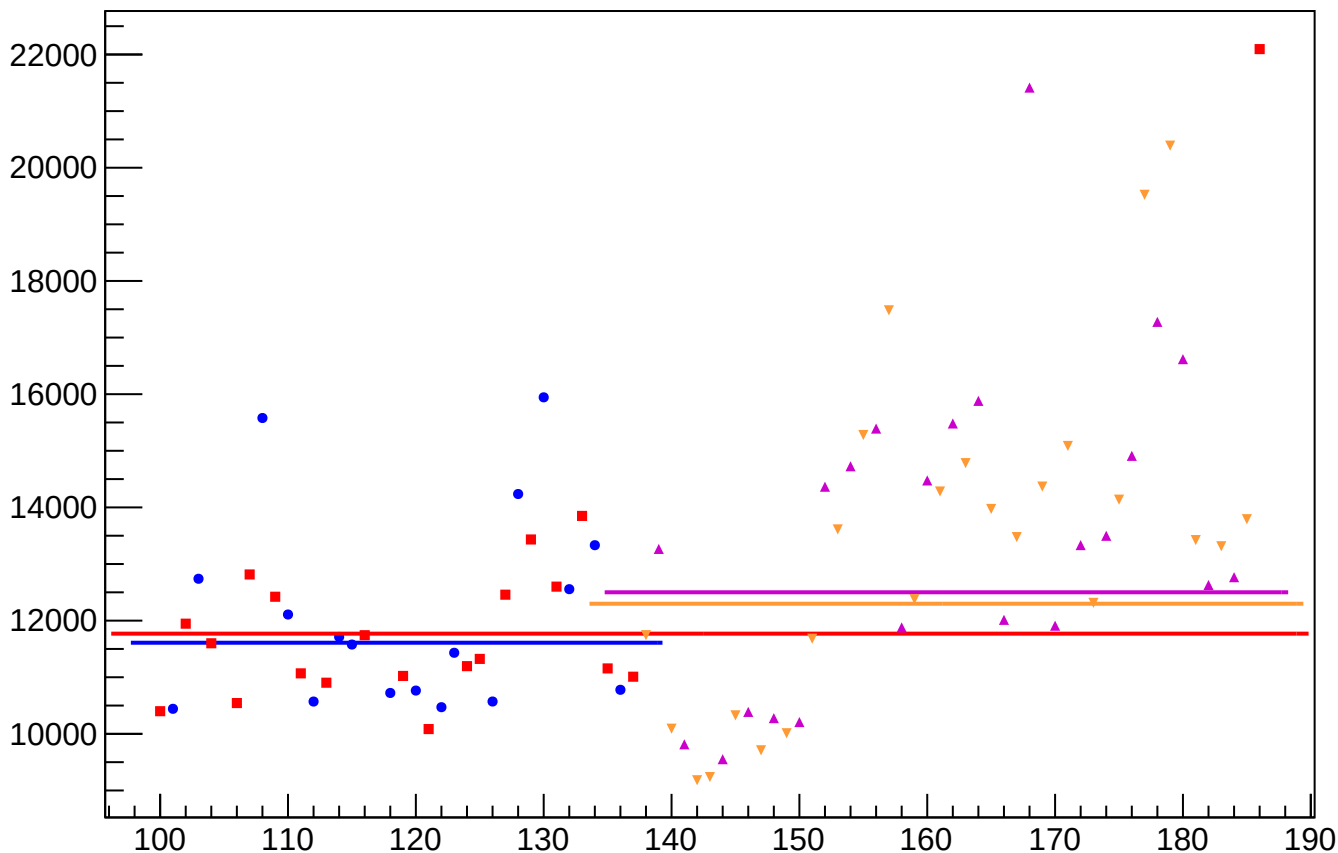
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.770 ± 2.470 χ^2/NDF : 50.4/41

All: -1.136 ± 1.758 χ^2/NDF : 84.4/84

- sign 0.539 ± 2.502 χ^2/NDF : 33.1/42

diff_bpm11X_rms vs Slug



Right In: 11609.845 $\pm$ 3.224 χ^2 /NDF: 238142.5/16

Left Out: 12298.676 $\pm$ 2.078 χ^2 /NDF:1506026.8/24

Right Out: 11770.150 $\pm$ 3.076 χ^2 /NDF: 264308.1/19

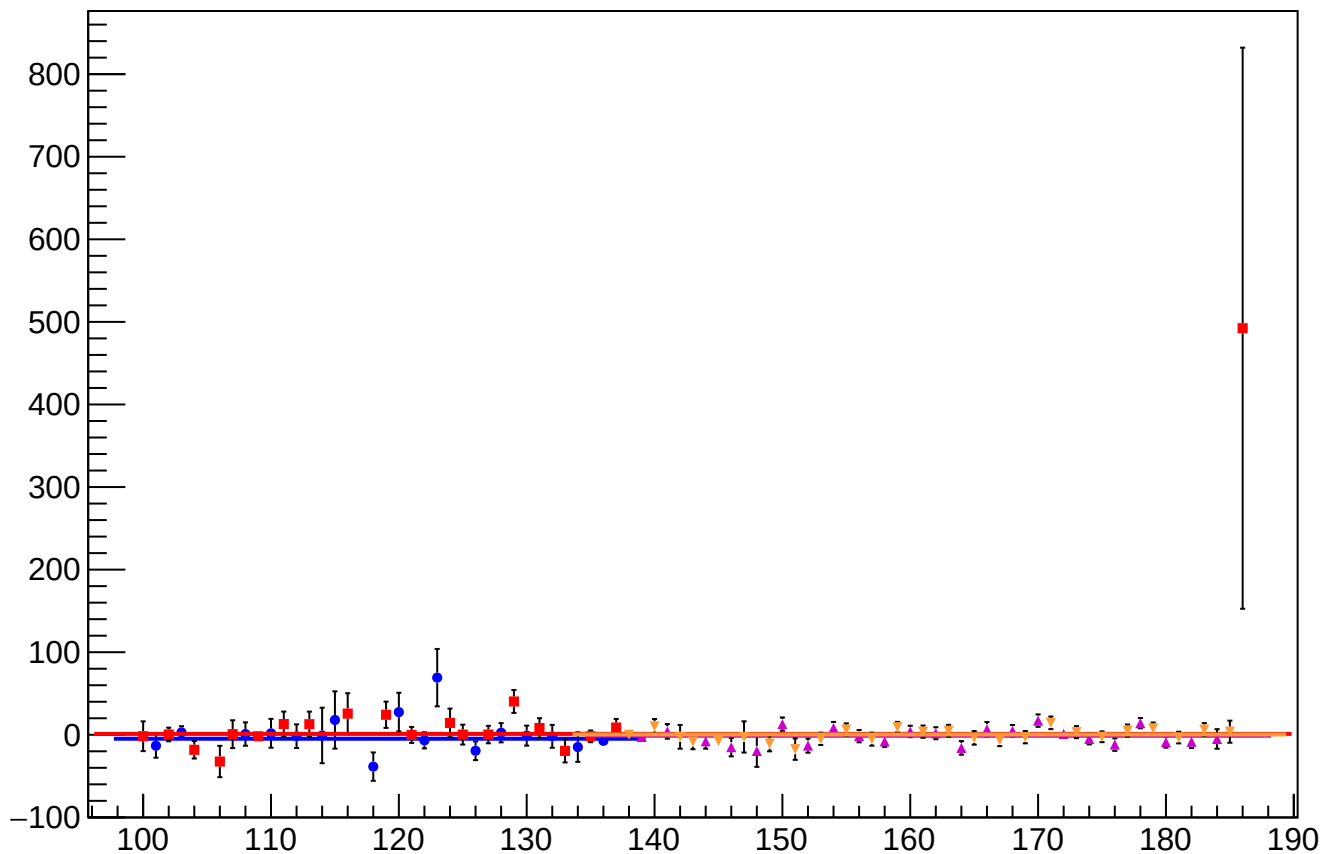
Left In: 12500.795 $\pm$ 2.162 χ^2 /NDF:1357889.1/22

+ sign 12096.486 $\pm$ 1.747 χ^2 /NDF: 1776420.8/41

All: 12176.778 $\pm$ 1.243 χ^2 /NDF: 3440660.9/8

- sign 12259.134 $\pm$ 1.769 χ^2 /NDF: 1659959.6/42

diff_bpm11Y_mean vs Slug



Right In: -4.776 ± 2.787 χ^2/NDF : 15.3/16

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: 1.057 ± 2.434 χ^2/NDF : 25.1/19

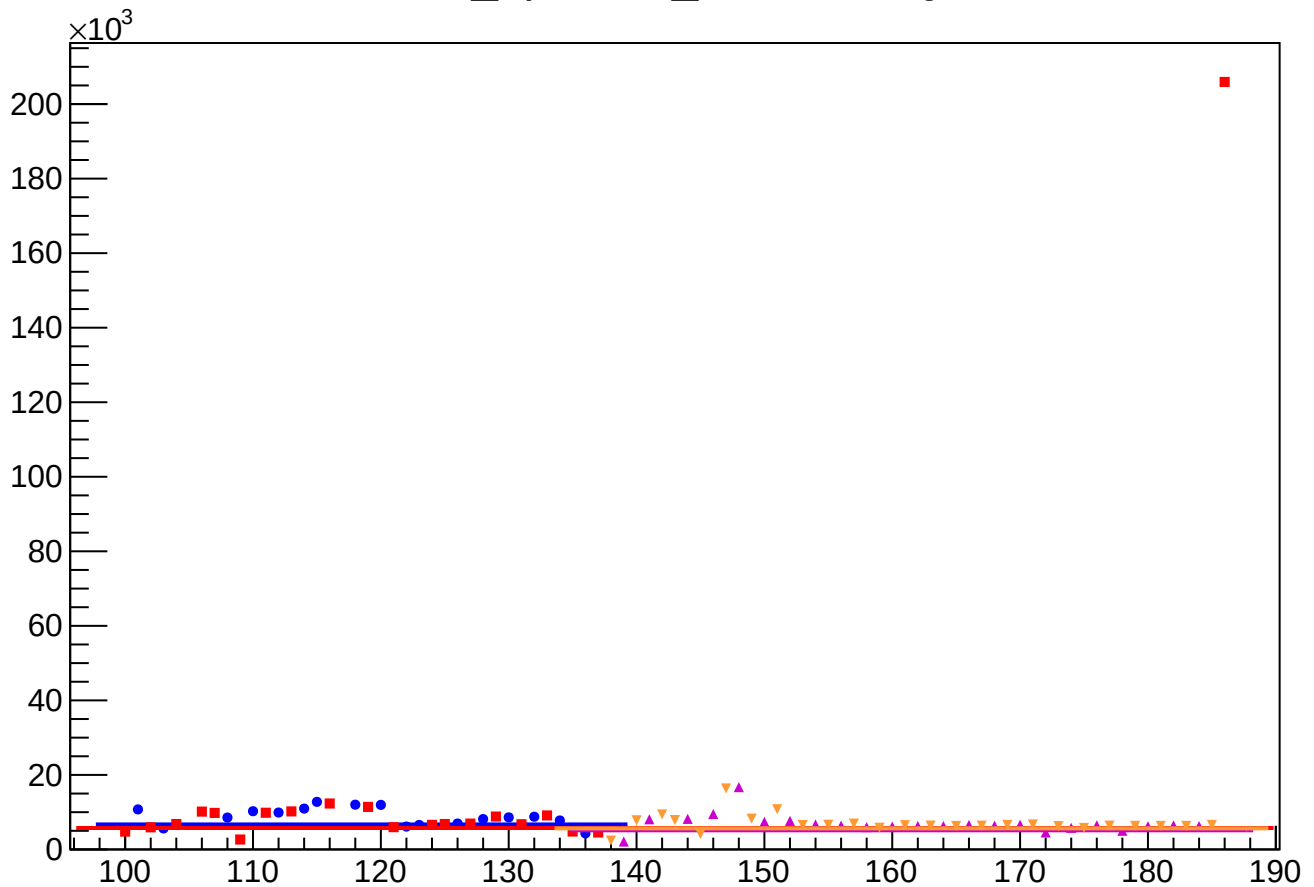
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign -0.720 ± 1.275 χ^2/NDF : 37.1/41

All: -0.672 ± 0.872 χ^2/NDF : 96.4/84

- sign -0.629 ± 1.195 χ^2/NDF : 59.3/42

diff_bpm11Y_rms vs Slug



Right In: 6711.784 ± 1.971 $\chi^2/\text{NDF}: 1446319.6/16$

Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$

Right Out: 5759.850 ± 1.721 $\chi^2/\text{NDF}: 2861902.2/19$

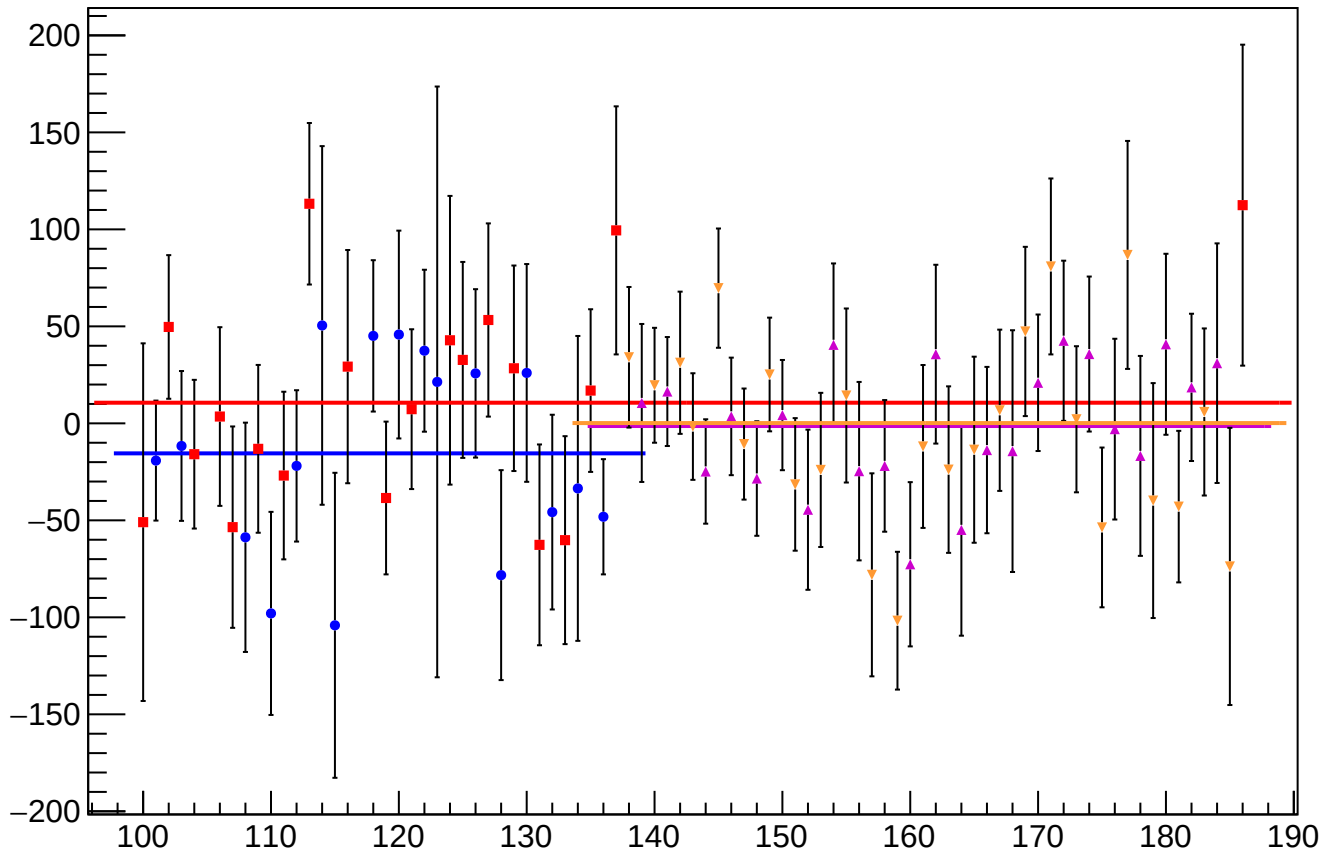
Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$

+ sign 5879.535 ± 0.901 $\chi^2/\text{NDF}: 5800357.7/41$

All: 5564.474 ± 0.616 $\chi^2/\text{NDF}: 14486562.2/8$

- sign 5287.713 ± 0.845 $\chi^2/\text{NDF}: 8456704.0/42$

diff_bpm12X_mean vs Slug



Right In: -15.474 ± 11.317 χ^2/NDF : 14.7/16

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 10.637 ± 10.820 χ^2/NDF : 20.8/19

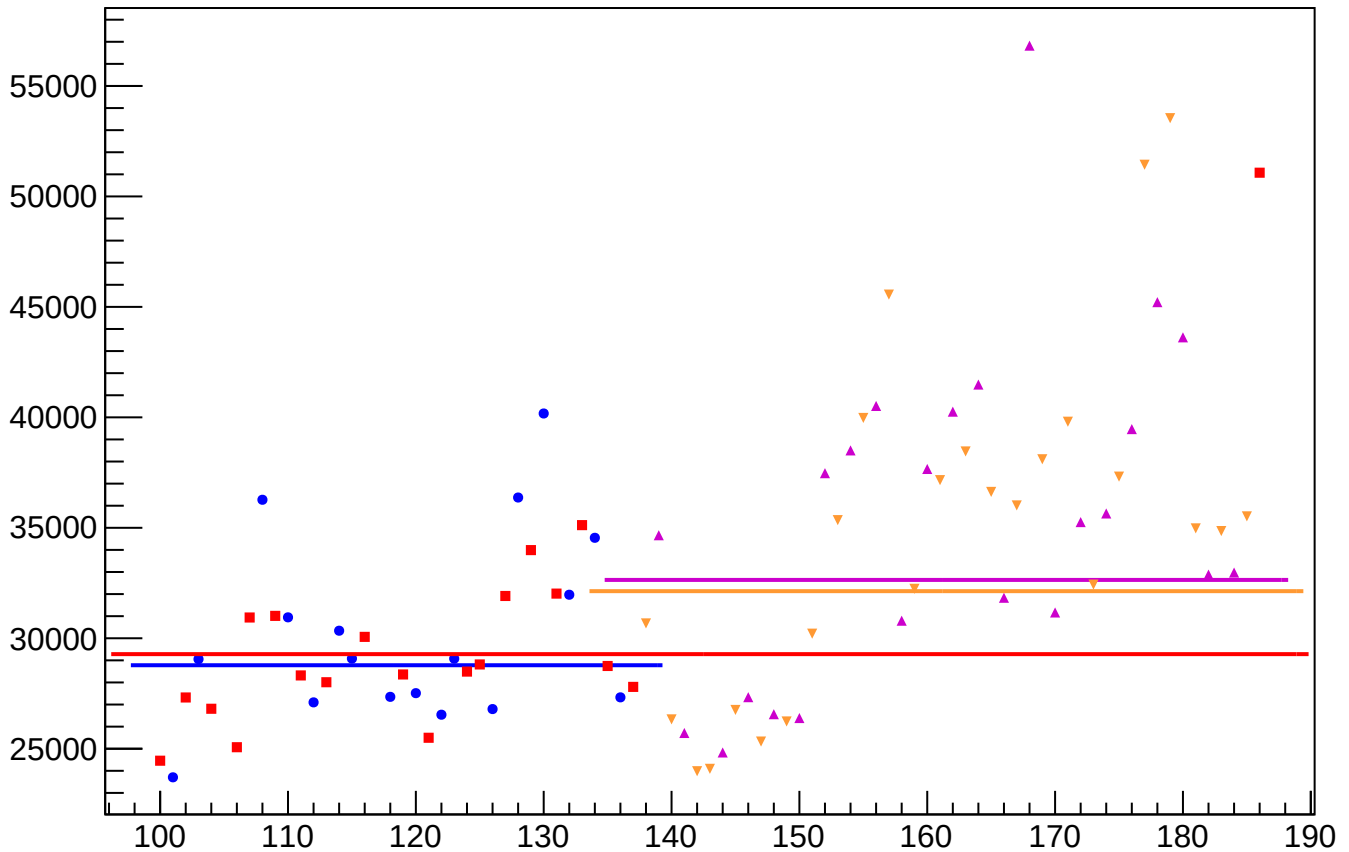
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -4.784 ± 6.357 χ^2/NDF : 47.2/41

All: -1.002 ± 4.520 χ^2/NDF : 82.9/84

- sign 2.865 ± 6.428 χ^2/NDF : 34.9/42

diff_bpm12X_rms vs Slug



Right In: 28779.223 $\pm$ 8.003 χ^2 /NDF: 252972.7/16

Left Out: 32132.314 $\pm$ 5.433 χ^2 /NDF:1540079.4/24

Right Out: 29281.634 $\pm$ 7.651 χ^2 /NDF: 253879.8/19

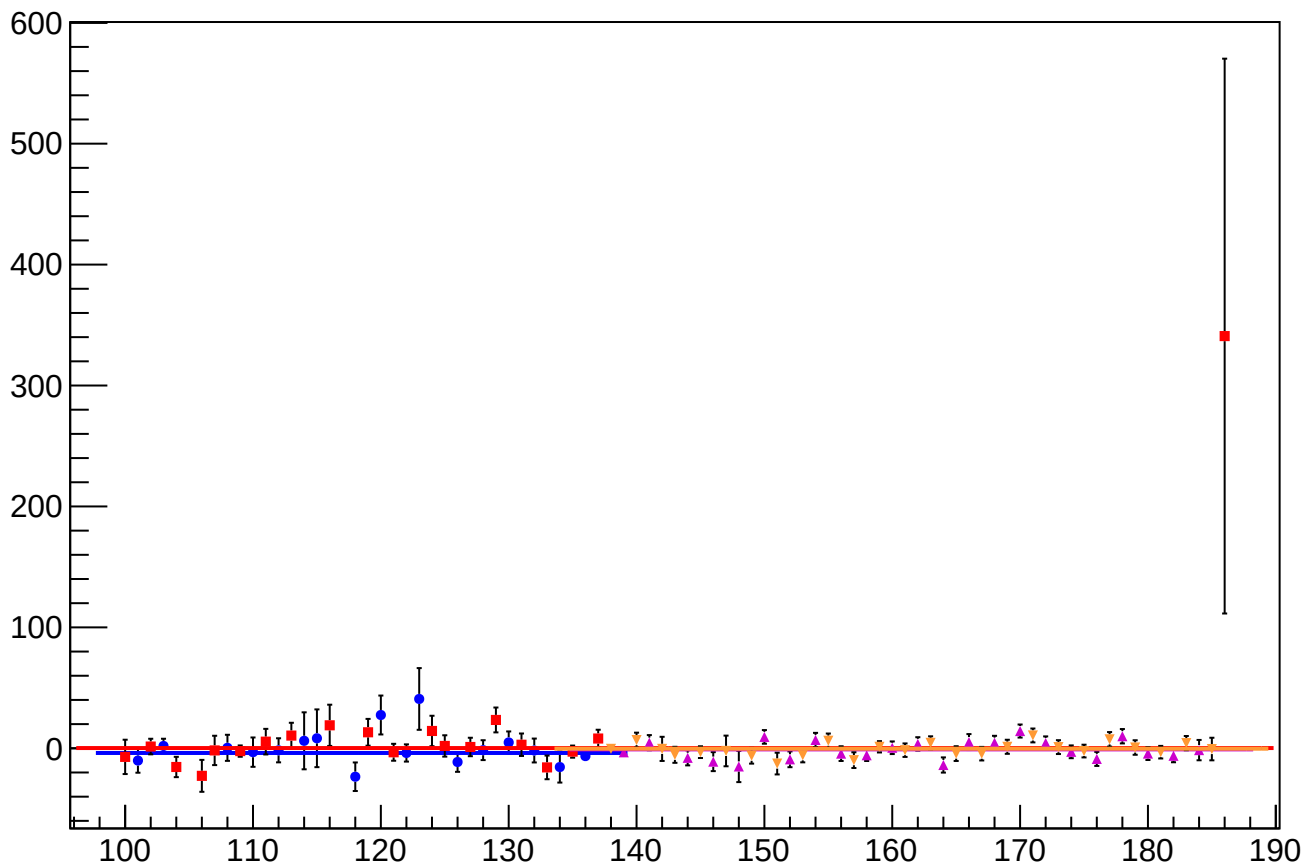
Left In: 32641.162 $\pm$ 5.650 χ^2 /NDF:1402162.4/22

+ sign 31074.447 $\pm$ 4.495 χ^2 /NDF: 1913227.2/41

All: 31262.919 $\pm$ 3.196 χ^2 /NDF: 3697592.8/8

- sign 31455.616 $\pm$ 4.545 χ^2 /NDF: 1780809.9/42

diff_bpm12Y_mean vs Slug



Right In: -3.861 ± 2.014 χ^2/NDF : 14.9/16

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: 0.209 ± 1.897 χ^2/NDF : 24.1/19

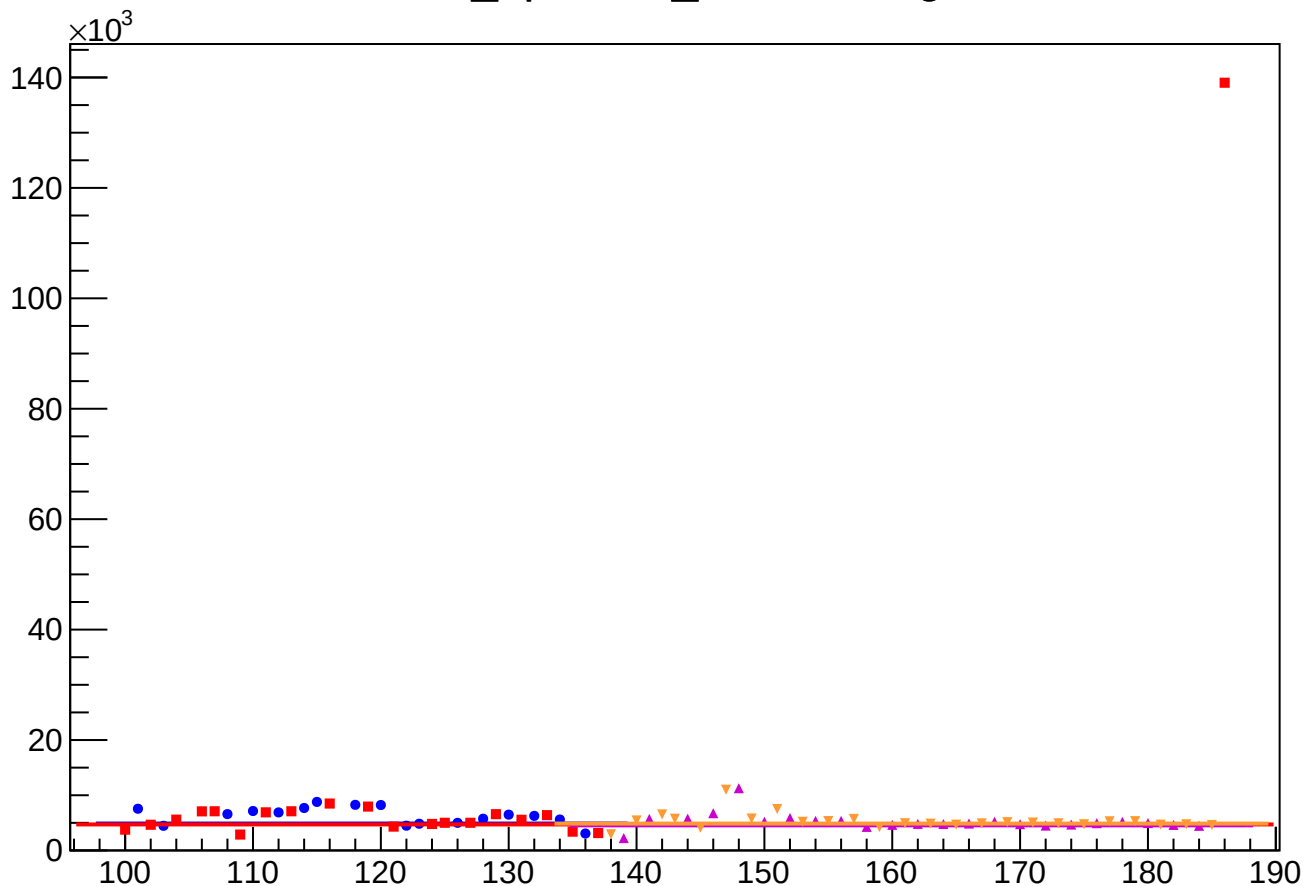
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -1.210 ± 1.013 χ^2/NDF : 34.9/41

All: -0.900 ± 0.704 χ^2/NDF : 95.6/84

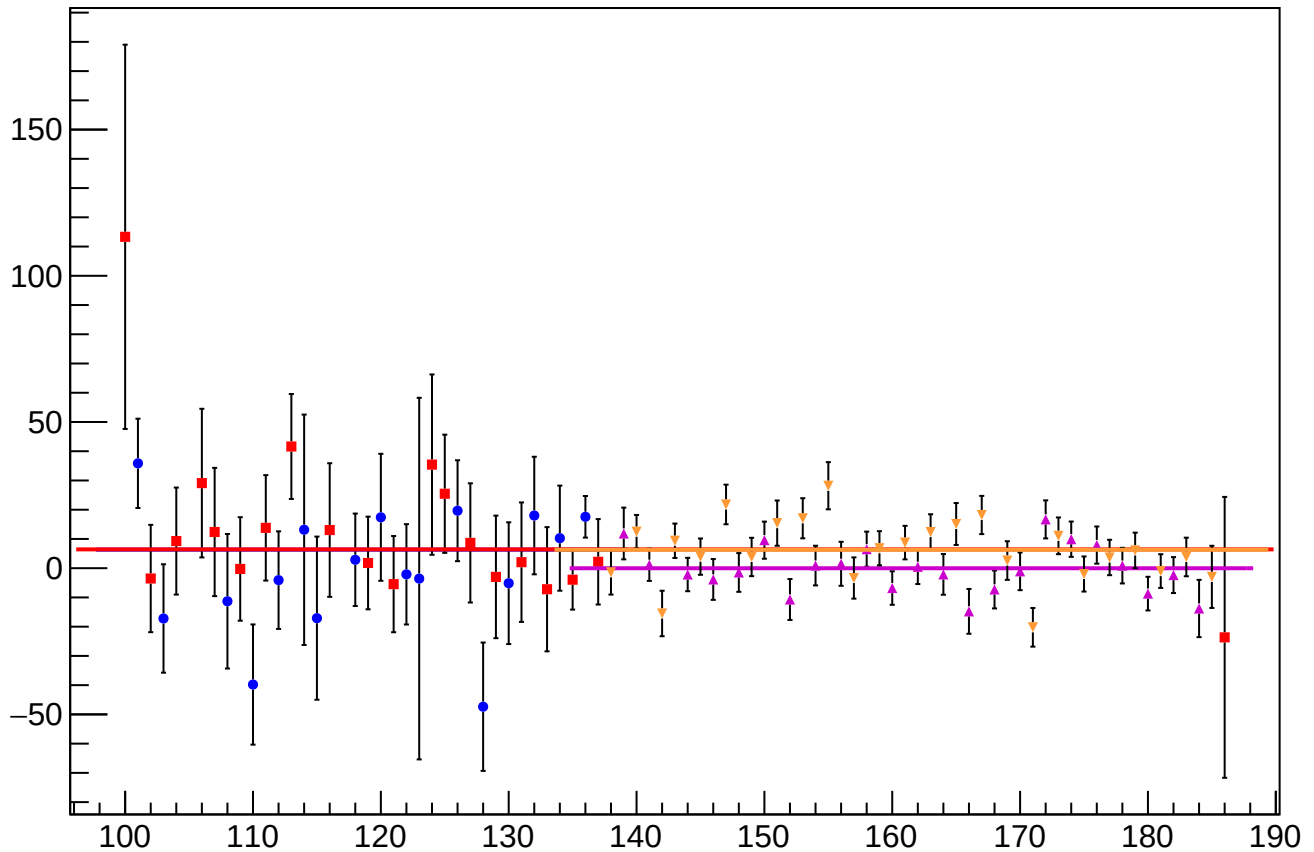
- sign -0.611 ± 0.978 χ^2/NDF : 60.5/42

diff_bpm12Y_rms vs Slug



Right In: 4872.339 ± 1.424 $\chi^2/\text{NDF}: 1404599.6/16$ + sign 4869.521 ± 0.716 $\chi^2/\text{NDF}: 2915755.8/41$
 Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$ All: 4724.528 ± 0.498 $\chi^2/\text{NDF}: 7642457.5/84$
 Right Out: 4712.851 ± 1.341 $\chi^2/\text{NDF}: 2001540.4/19$ - sign 4589.182 ± 0.692 $\chi^2/\text{NDF}: 4647440.3/42$
 Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

diff_bpm16X_mean vs Slug



Right In: 6.348 ± 4.088 χ^2/NDF : 22.4/16

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 6.435 ± 4.216 χ^2/NDF : 12.6/19

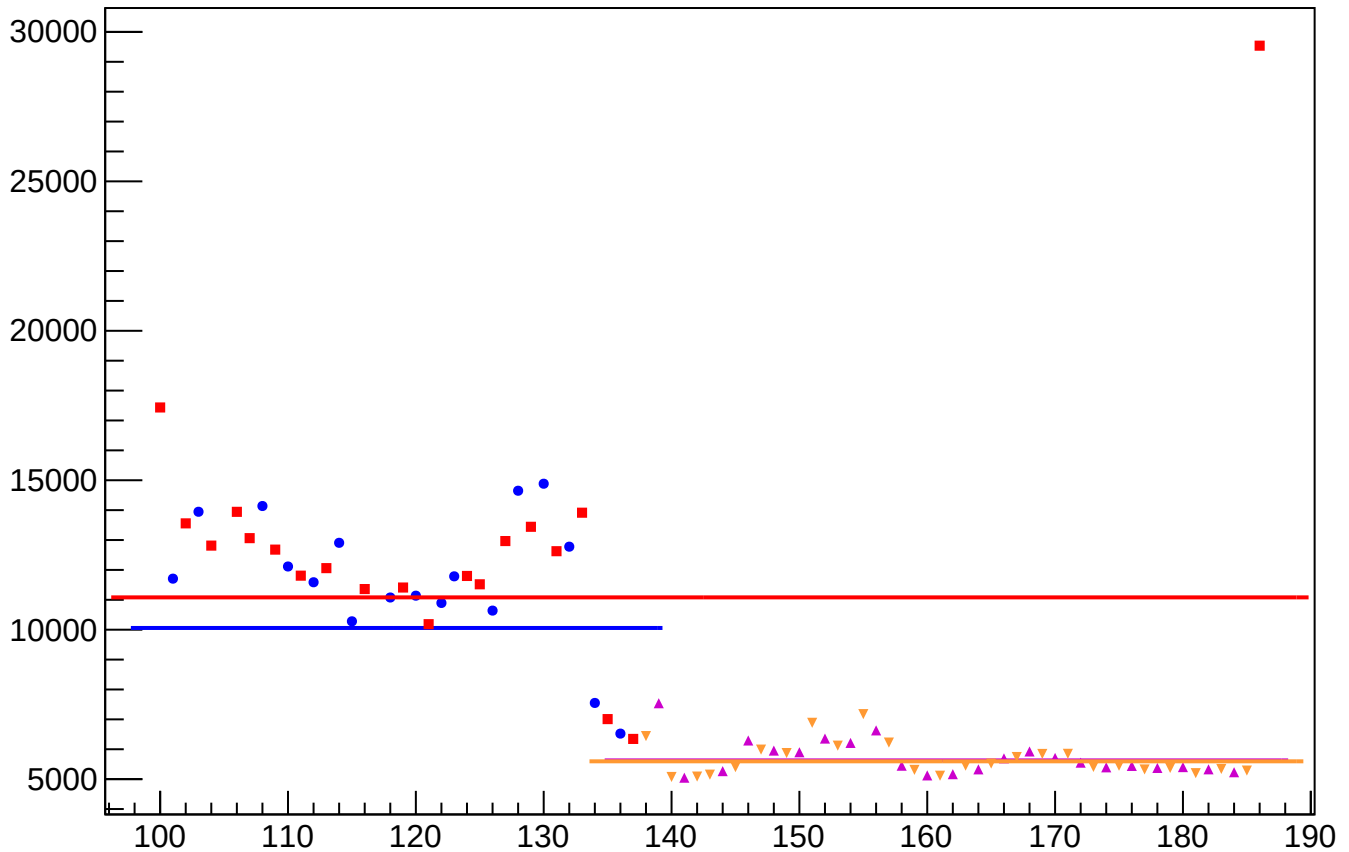
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.301 ± 1.248 χ^2/NDF : 79.0/41

All: 3.533 ± 0.896 χ^2/NDF : 133.8/84

- sign 0.583 ± 1.288 χ^2/NDF : 44.7/42

diff_bpm16X_rms vs Slug



Right In: 10057.738 $\pm$ 2.891 χ^2 /NDF: 1007657.1/16

Left Out: 5596.370 $\pm$ 0.926 χ^2 /NDF: 283998.1/24

+ sign 6011.852 $\pm$ 0.882 χ^2 /NDF: 3451320.7/41

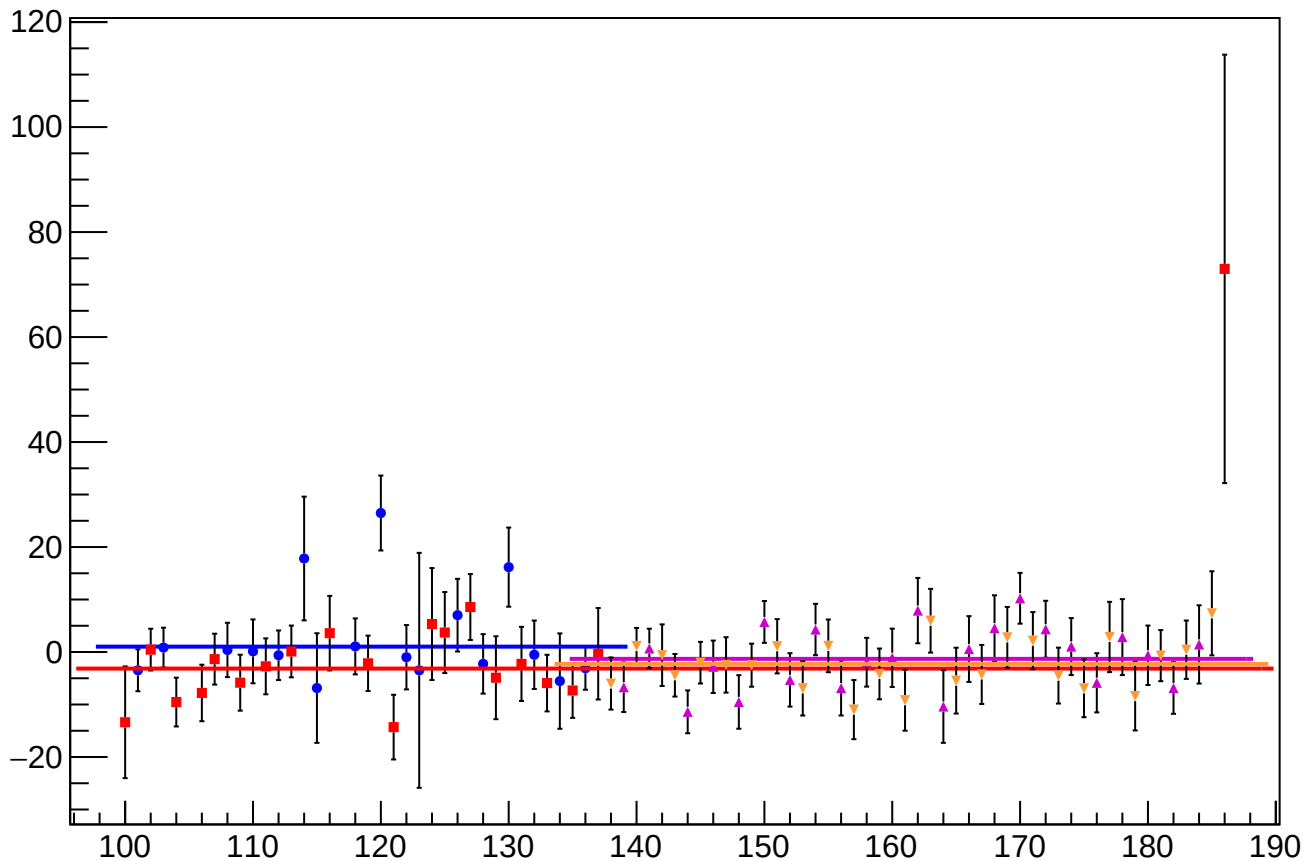
Right Out: 11081.340 $\pm$ 2.981 χ^2 /NDF: 1061769.5/19

All: 6072.231 $\pm$ 0.634 χ^2 /NDF: 7836660.5/84

Left In: 5627.283 $\pm$ 0.957 χ^2 /NDF: 279318.7/22

- sign 6136.610 $\pm$ 0.911 χ^2 /NDF: 4375662.1/42

diff_bpm16Y_mean vs Slug



Right In: 1.024 ± 1.405 χ^2/NDF : 23.6/16

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -3.153 ± 1.335 χ^2/NDF : 18.9/19

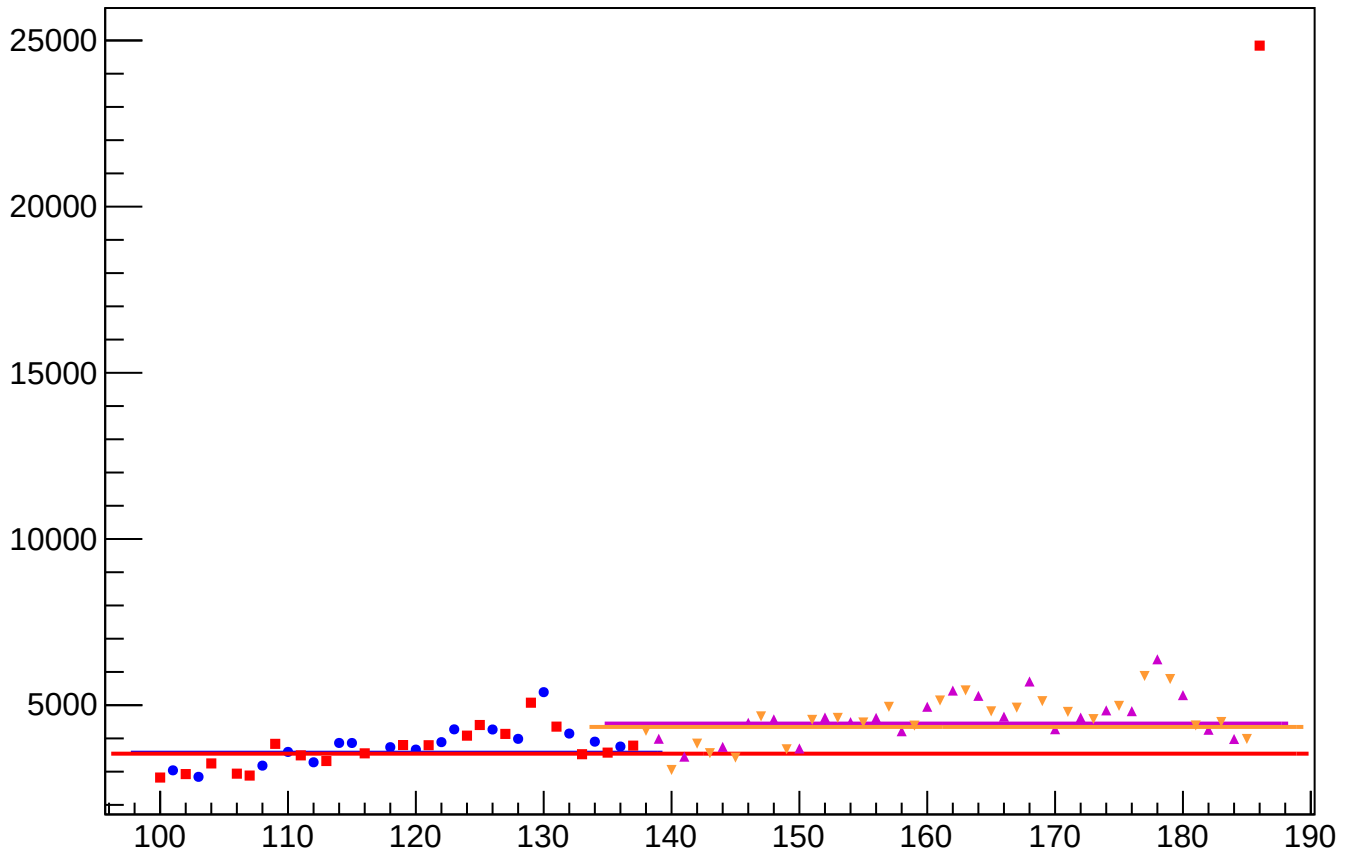
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.118 ± 0.830 χ^2/NDF : 42.6/41

All: -1.572 ± 0.590 χ^2/NDF : 94.0/84

- sign -2.034 ± 0.838 χ^2/NDF : 50.9/42

diff_bpm16Y_rms vs Slug



Right In: 3570.193 $\pm$ 0.994 χ^2 /NDF: 310317.2/16

Left Out: 4345.381 $\pm$ 0.728 χ^2 /NDF:1000636.1/24

Right Out: 3541.042 $\pm$ 0.944 χ^2 /NDF: 841965.8/19

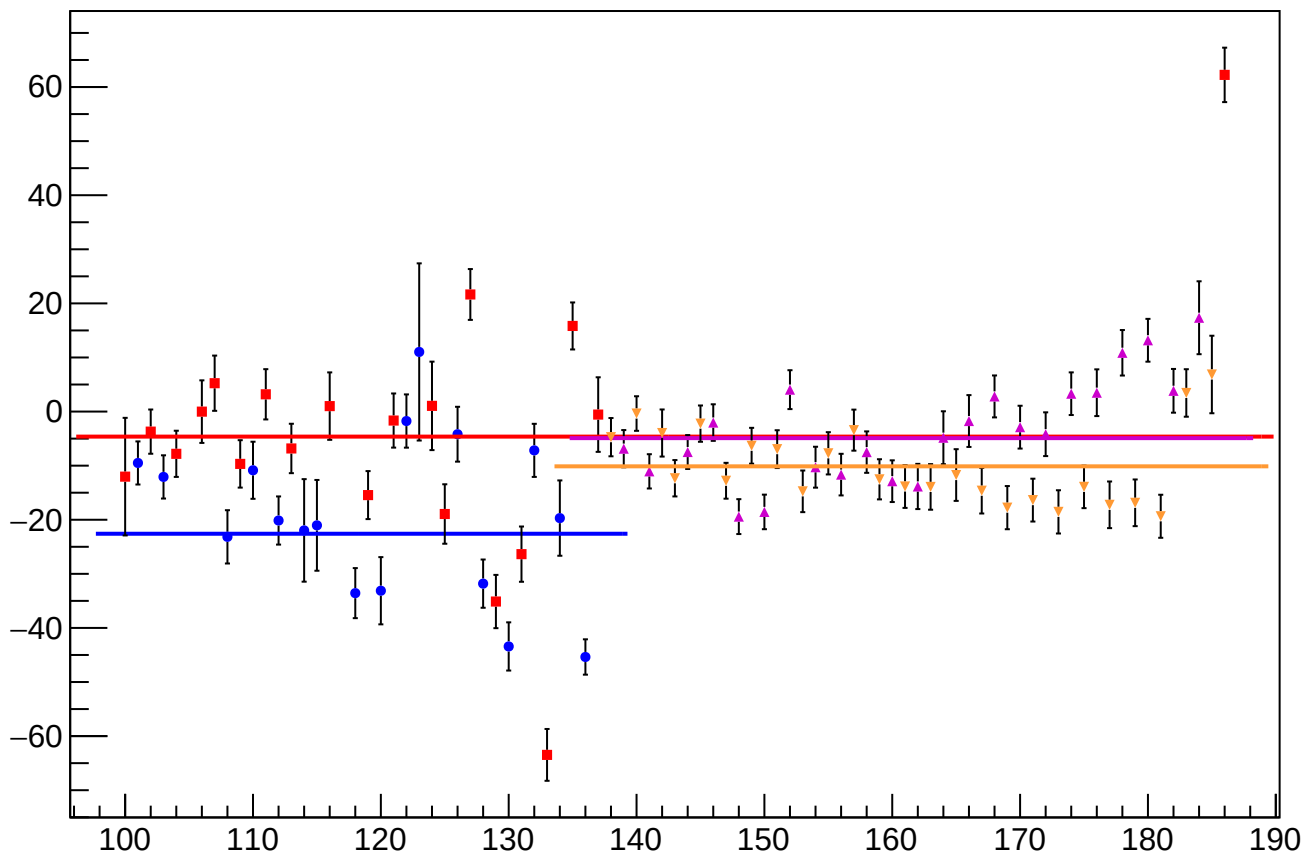
Left In: 4446.181 $\pm$ 0.762 χ^2 /NDF:702797.6/22

+ sign 4074.672 $\pm$ 0.587 χ^2 /NDF: 1706993.9/41

All: 4081.926 $\pm$ 0.417 χ^2 /NDF: 3808961.7/84

- sign 4089.316 $\pm$ 0.593 χ^2 /NDF: 2101659.8/42

diff_bpm0l01X_mean vs Slug



Right In: -22.588 ± 1.203 χ^2/NDF : 151.6/16

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: -4.629 ± 1.129 χ^2/NDF : 461.9/19

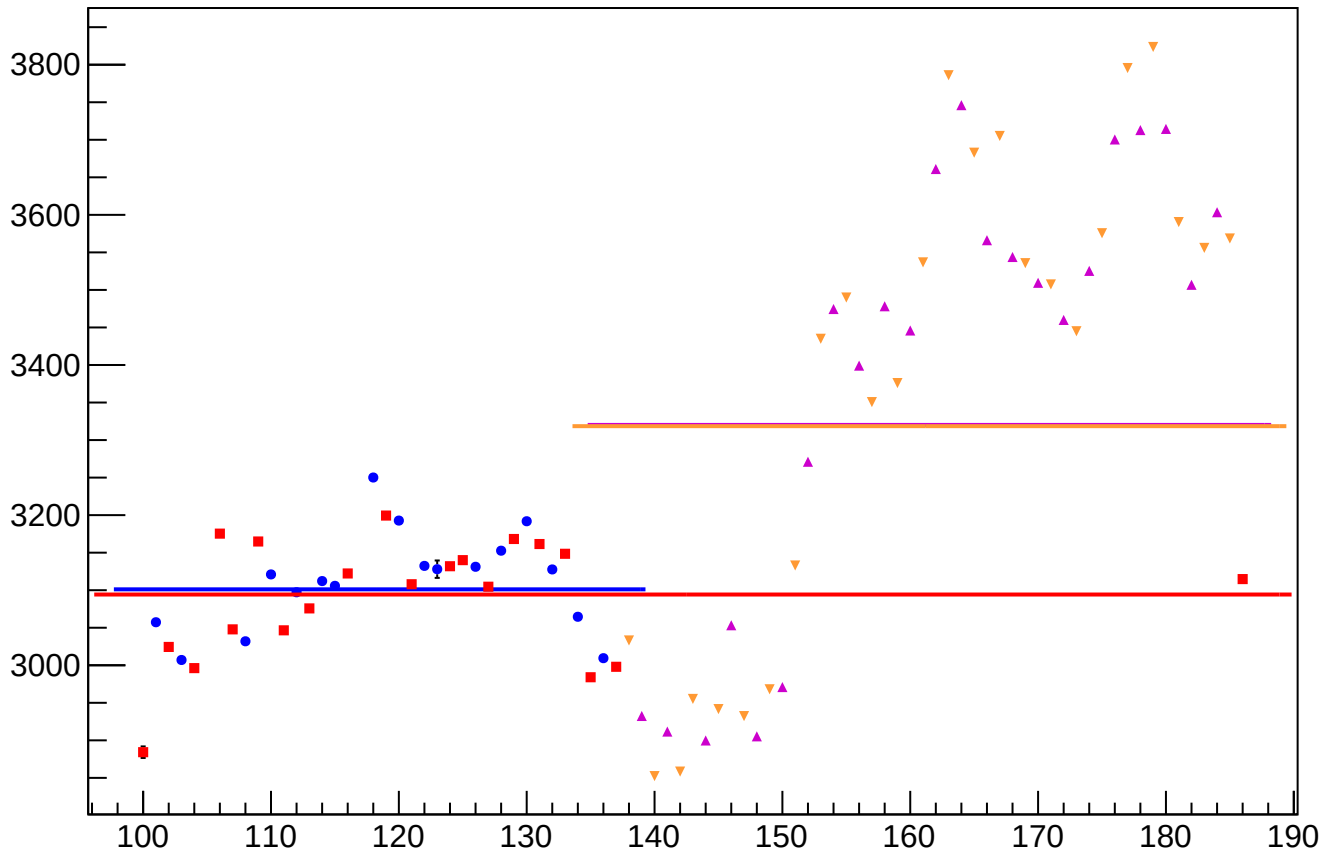
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -13.785 ± 0.652 χ^2/NDF : 295.4/41

All: -9.298 ± 0.461 χ^2/NDF : 980.0/84

- sign -4.817 ± 0.651 χ^2/NDF : 589.9/42

diff_bpm0l01X_rms vs Slug



Right In: 3101.155+/-0.850 χ^2/NDF : 7225.5/16

Left Out: 3318.506+/-0.548 χ^2/NDF : 337694.2/24

Right Out: 3094.244+/-0.799 χ^2/NDF : 7840.3/19

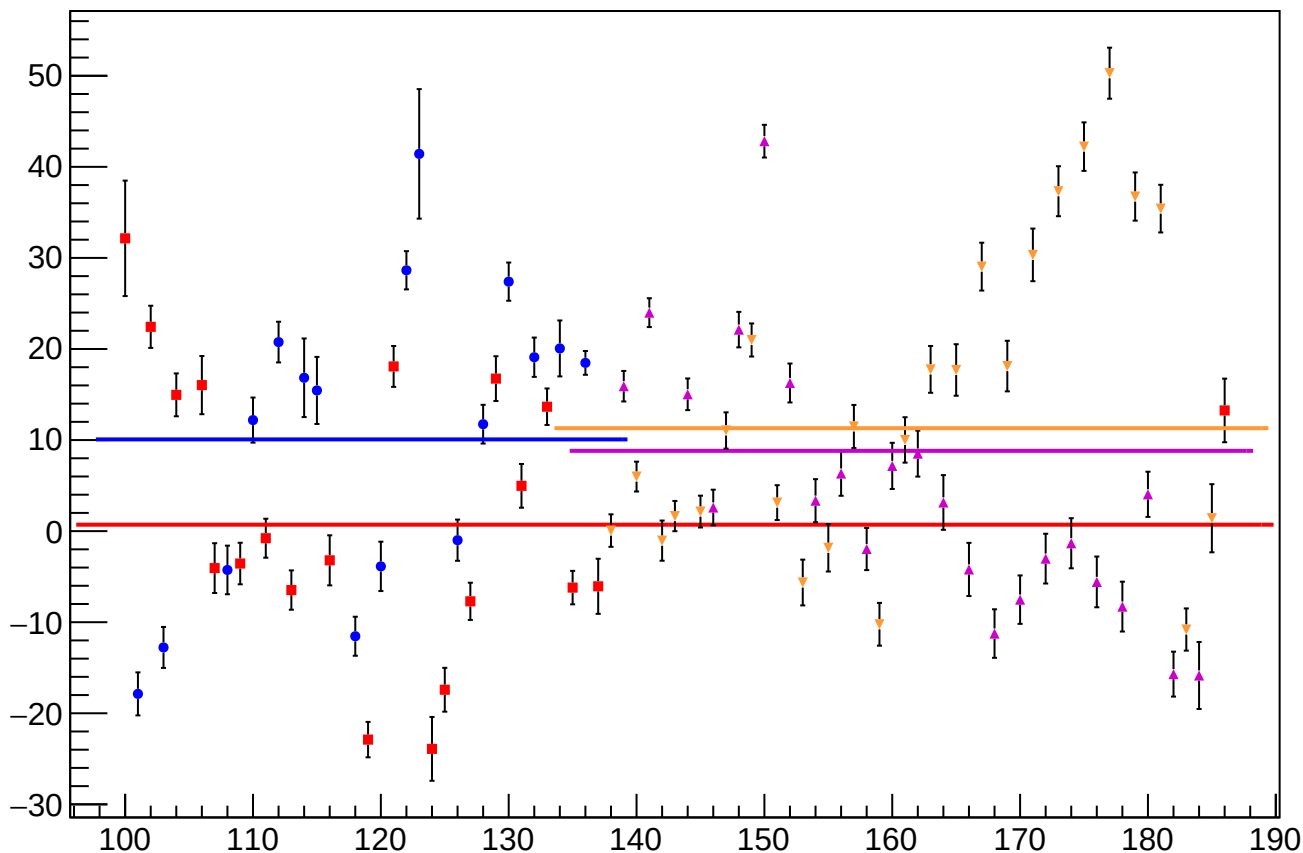
Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

+ sign 3254.675+/-0.461 χ^2/NDF : 391062.7/41

All: 3249.853+/-0.326 χ^2/NDF : 740184.0/84

- sign 3245.038+/-0.460 χ^2/NDF : 348902.5/42

diff_bpm0l01Y_mean vs Slug



Right In: 10.071+/-0.563 χ^2/NDF : 688.1/16

Left Out: 11.305+/-0.454 χ^2/NDF : 1144.3/24

Right Out: 0.706+/-0.541 χ^2/NDF : 642.2/19

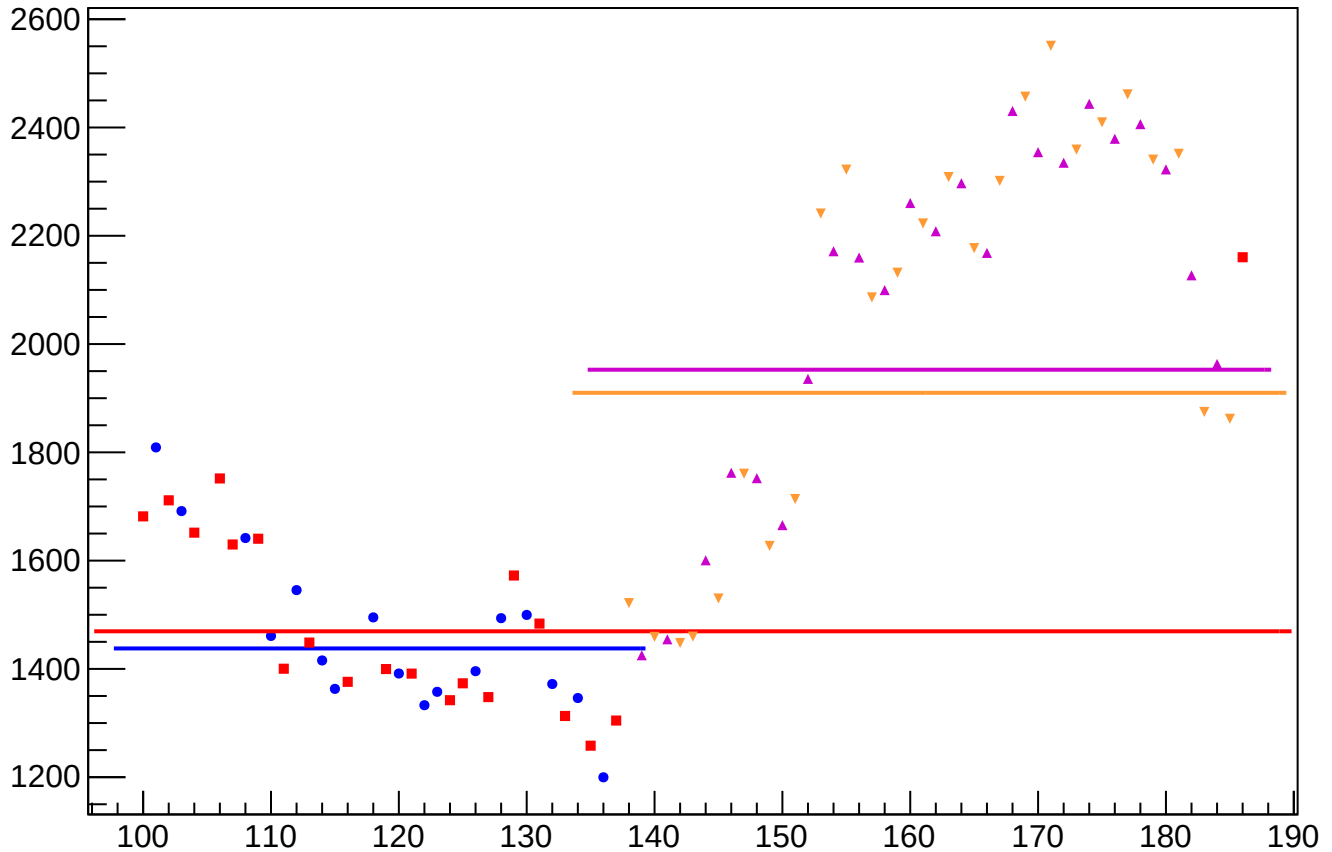
Left In: 8.815+/-0.475 χ^2/NDF : 942.2/22

+ sign 10.819+/-0.353 χ^2/NDF : 1835.3/41

All: 8.082+/-0.251 χ^2/NDF : 3667.8/84

- sign 5.284+/-0.357 χ^2/NDF : 1711.1/42

diff_bpm0l01Y_rms vs Slug



Right In: 1437.799 $\pm$ 0.398 χ^2 /NDF: 173192.9/16

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1469.470 $\pm$ 0.383 χ^2 /NDF: 218691.8/19

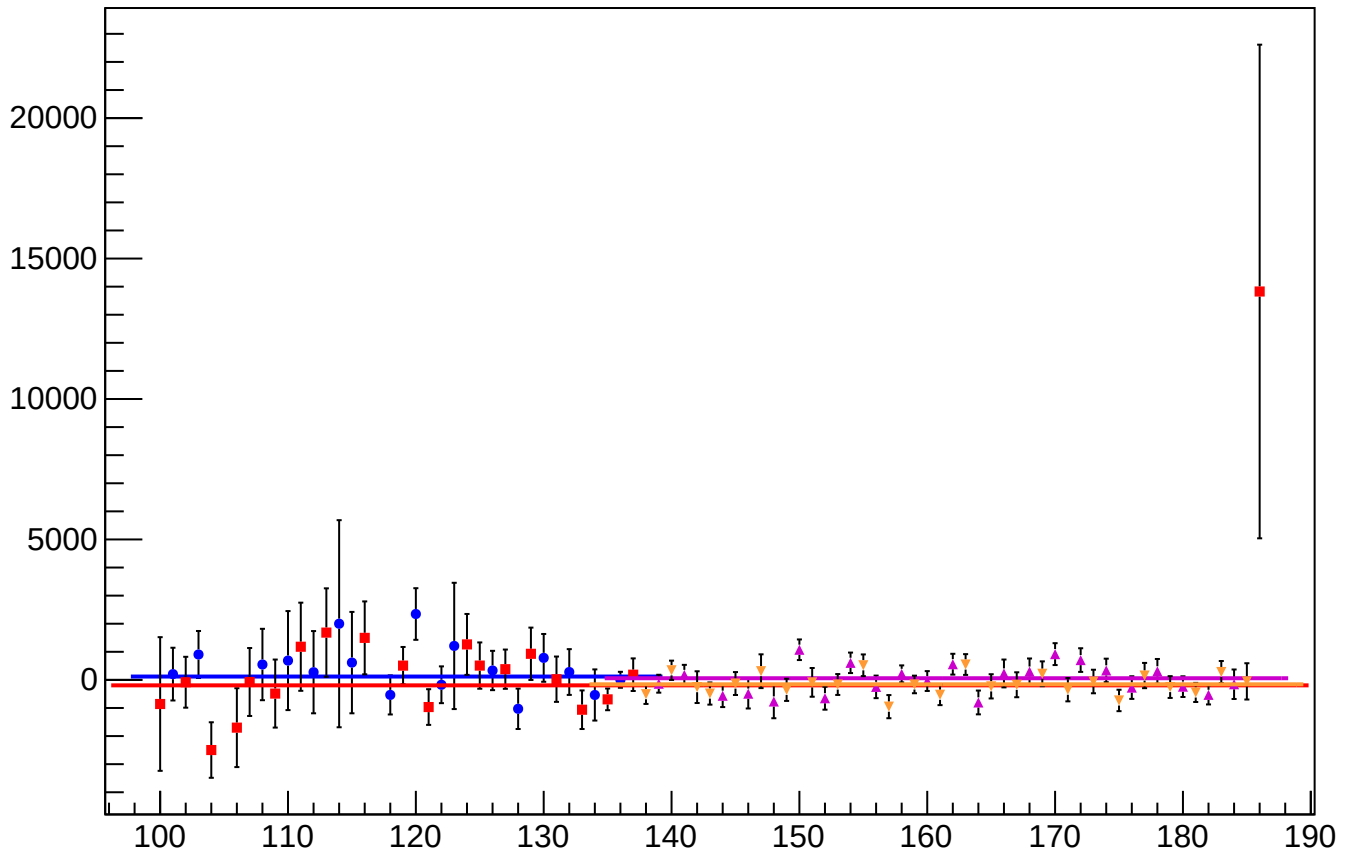
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1723.853 $\pm$ 0.250 χ^2 /NDF: 2425897.5/41

All: 1732.956 $\pm$ 0.178 χ^2 /NDF: 4612233.9/84

- sign 1742.263 $\pm$ 0.253 χ^2 /NDF: 2183650.6/42

asym_sam1_mean vs Slug



Right In: 119.363 ± 180.601 χ^2/NDF : 12.6/16

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -194.441 ± 184.748 χ^2/NDF : 24.2/19

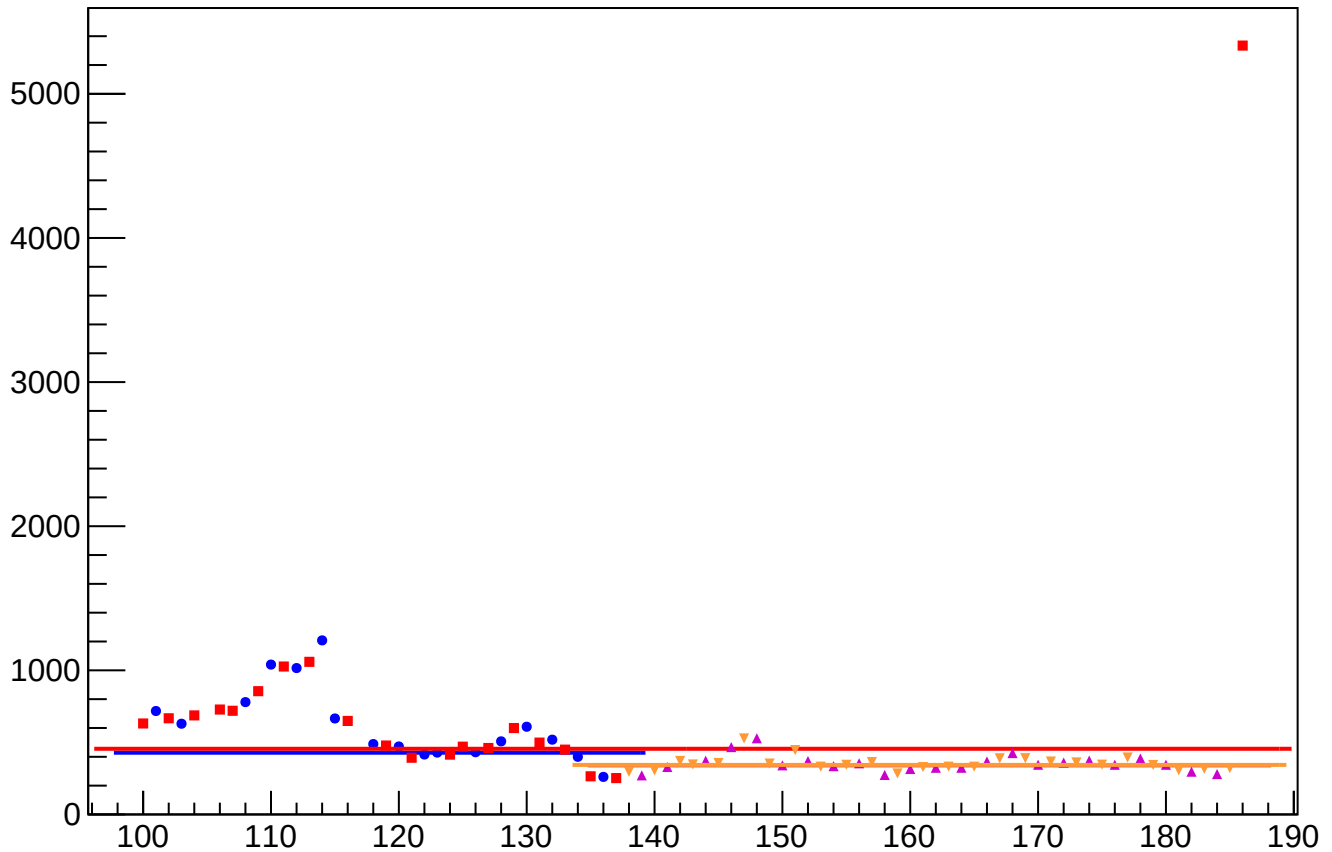
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -111.114 ± 73.752 χ^2/NDF : 36.6/41

All: -48.597 ± 52.722 χ^2/NDF : 102.4/84

- sign 16.736 ± 75.395 χ^2/NDF : 64.3/42

asym_sam1_rms vs Slug



Right In: 428.425 $\pm$ 0.128 χ^2 /NDF: 2006981.5/16

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 455.736 $\pm$ 0.131 χ^2 /NDF: 2649268.8/19

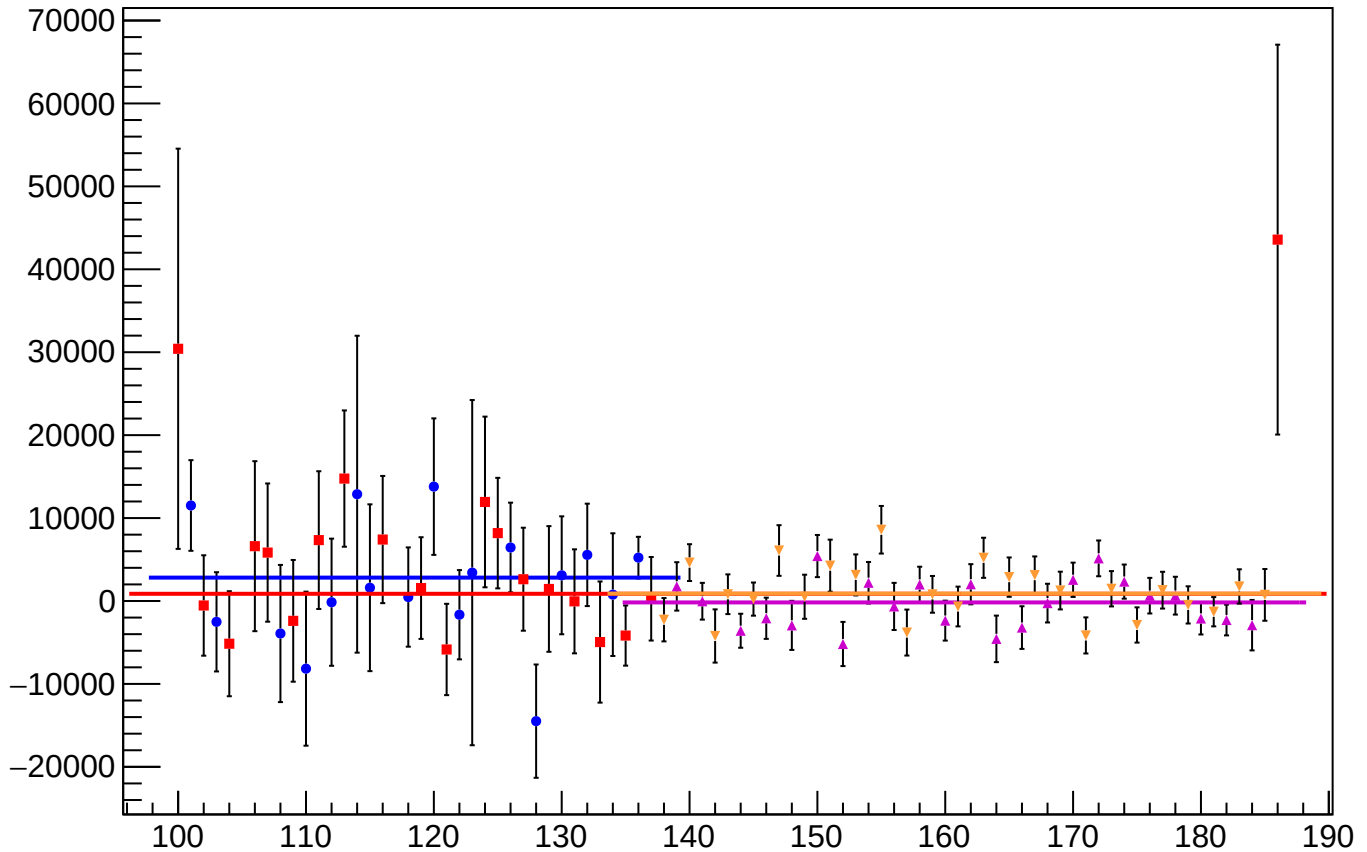
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 357.918 $\pm$ 0.052 χ^2 /NDF: 2912247.2/41

All: 358.939 $\pm$ 0.037 χ^2 /NDF: 6931273.9/84

- sign 360.005 $\pm$ 0.053 χ^2 /NDF: 4018243.5/42

asym_sam2_mean vs Slug



Right In: 2819.632 $\pm$ 1450.791 χ^2 /NDF: 16.5/16

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF: 38.0/24

Right Out: 868.604 $\pm$ 1509.500 χ^2 /NDF: 17.4/19

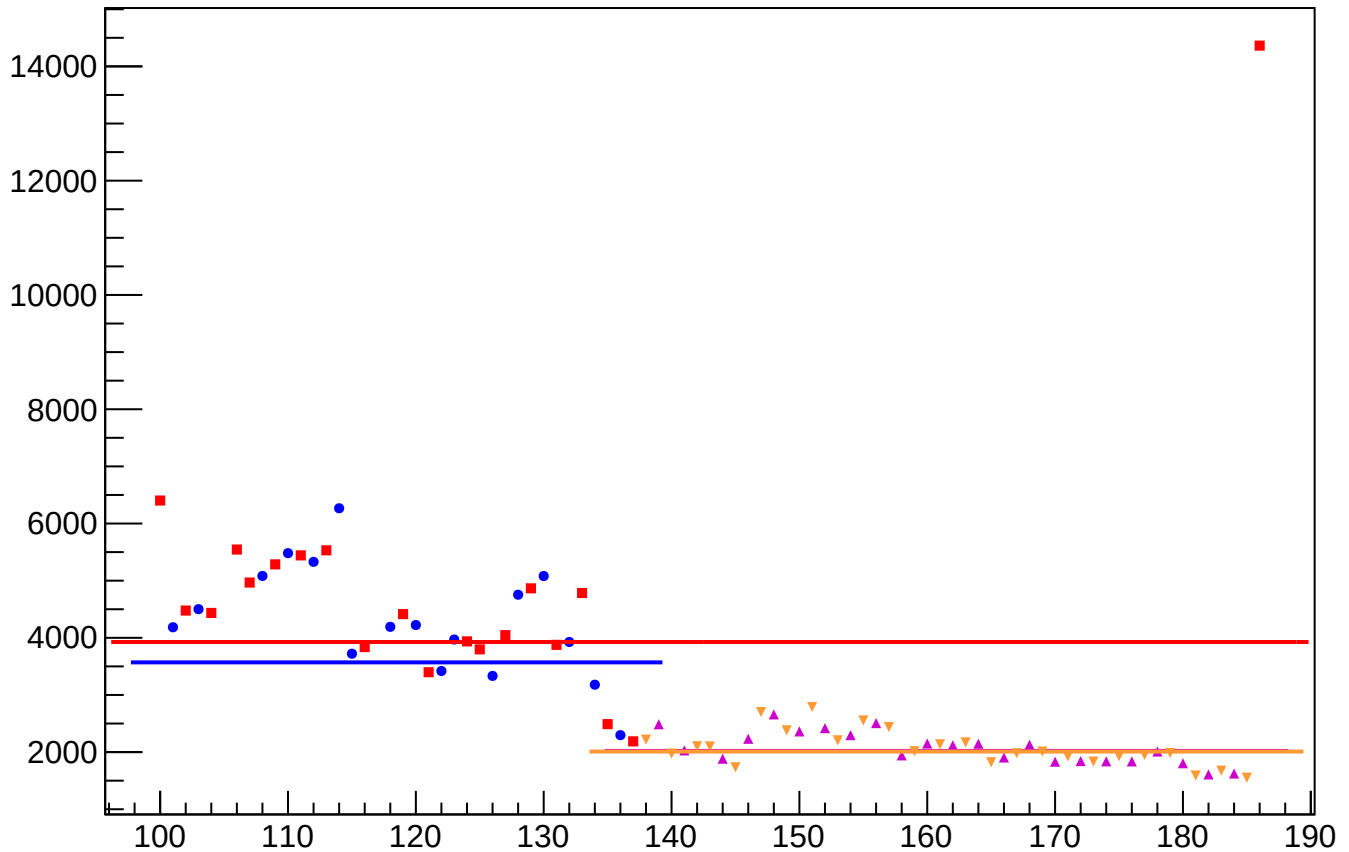
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF: 33.2/22

+ sign 1075.945 $\pm$ 449.928 χ^2 /NDF: 56.1/41

All: 519.231 $\pm$ 323.141 χ^2 /NDF: 110.2/84

- sign -73.863 $\pm$ 464.396 χ^2 /NDF: 51.0/42

asym_sam2_rms vs Slug



Right In: 3570.185+/-1.026 χ^2/NDF : 1087907.4/16

Left Out: 2009.631+/-0.335 χ^2/NDF : 709977.6/24

Right Out: 3926.927+/-1.067 χ^2/NDF : 1380273.9/19

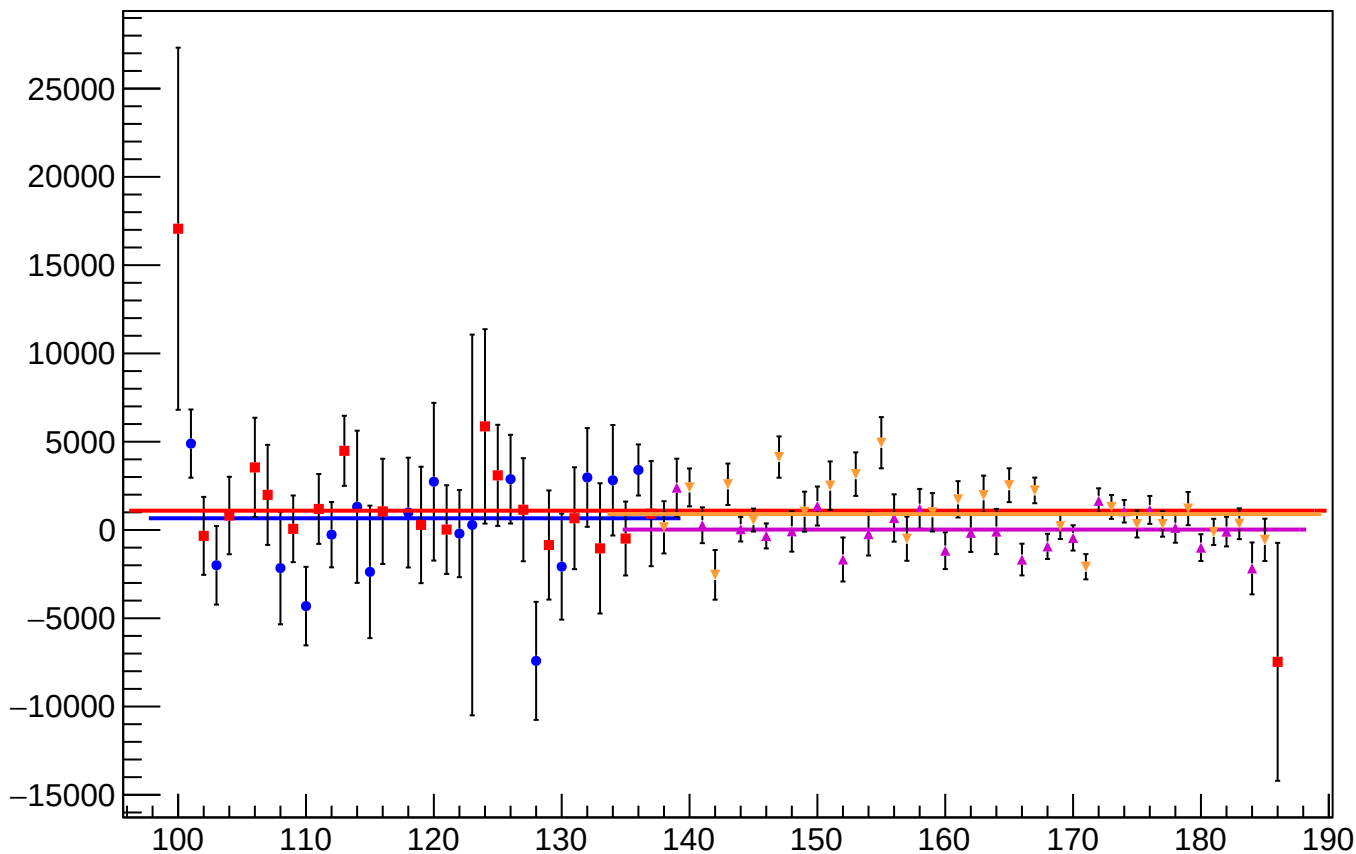
Left In: 2020.365+/-0.345 χ^2/NDF : 573483.0/22

+ sign 2159.722+/-0.318 χ^2/NDF : 3889398.9/41

All: 2179.620+/-0.228 χ^2/NDF : 8739805.8/84

- sign 2200.817+/-0.328 χ^2/NDF : 4842328.5/42

asym_sam3_mean vs Slug



Right In: 663.409 $\pm$ 622.512 χ^2/NDF : 25.5/16

Left Out: 902.091 $\pm$ 185.850 χ^2/NDF : 63.5/24

Right Out: 1093.487 $\pm$ 601.934 χ^2/NDF : 11.4/19

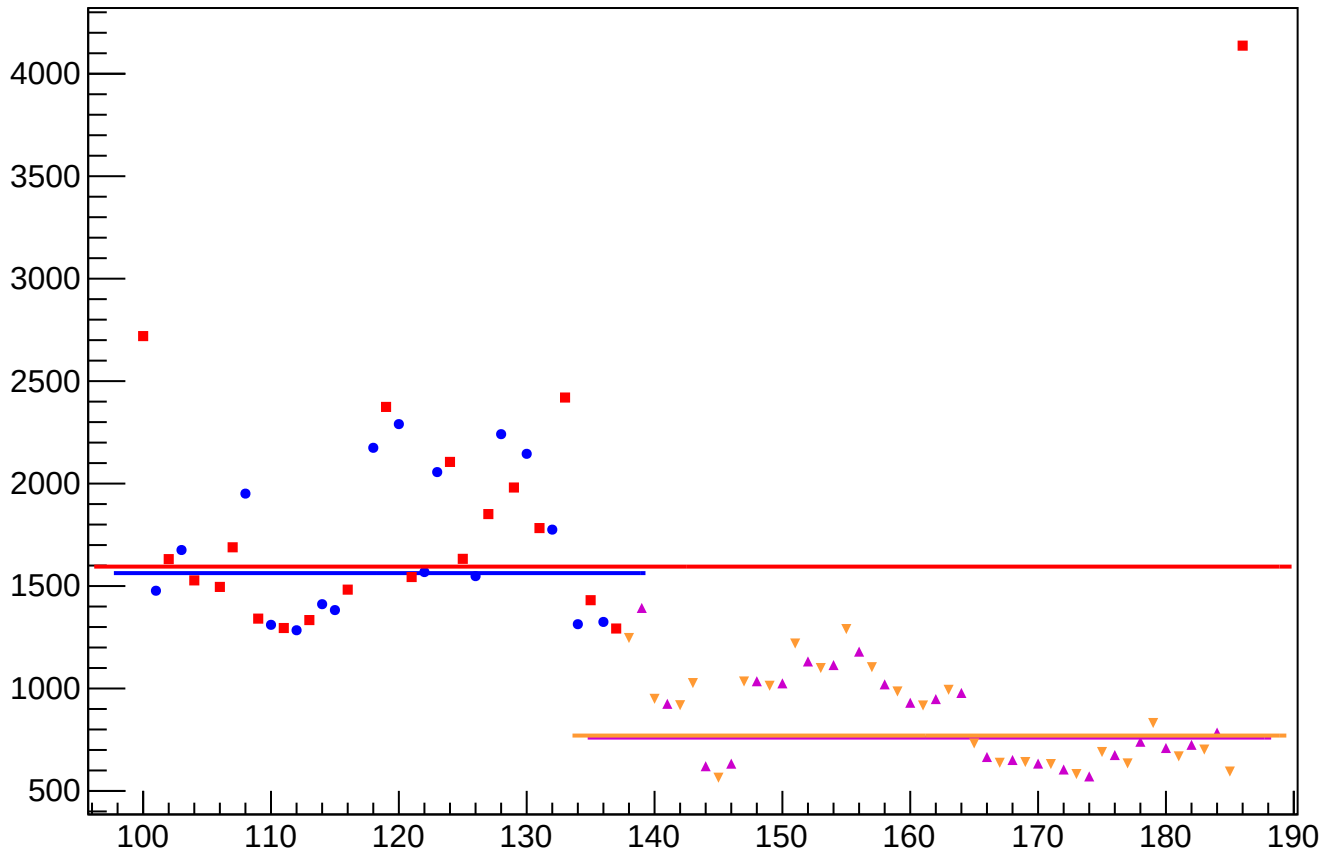
Left In: 23.529 $\pm$ 188.137 χ^2/NDF : 28.2/22

+ sign 882.558 $\pm$ 178.083 χ^2/NDF : 89.1/41

All: 503.830 $\pm$ 126.446 χ^2/NDF : 140.7/84

- sign 118.751 $\pm$ 179.570 χ^2/NDF : 42.5/42

asym_sam3_rms vs Slug



Right In: 1563.098 $\pm$ 0.440 χ^2 /NDF: 487653.4/16

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 1594.811 $\pm$ 0.426 χ^2 /NDF: 753414.9/19

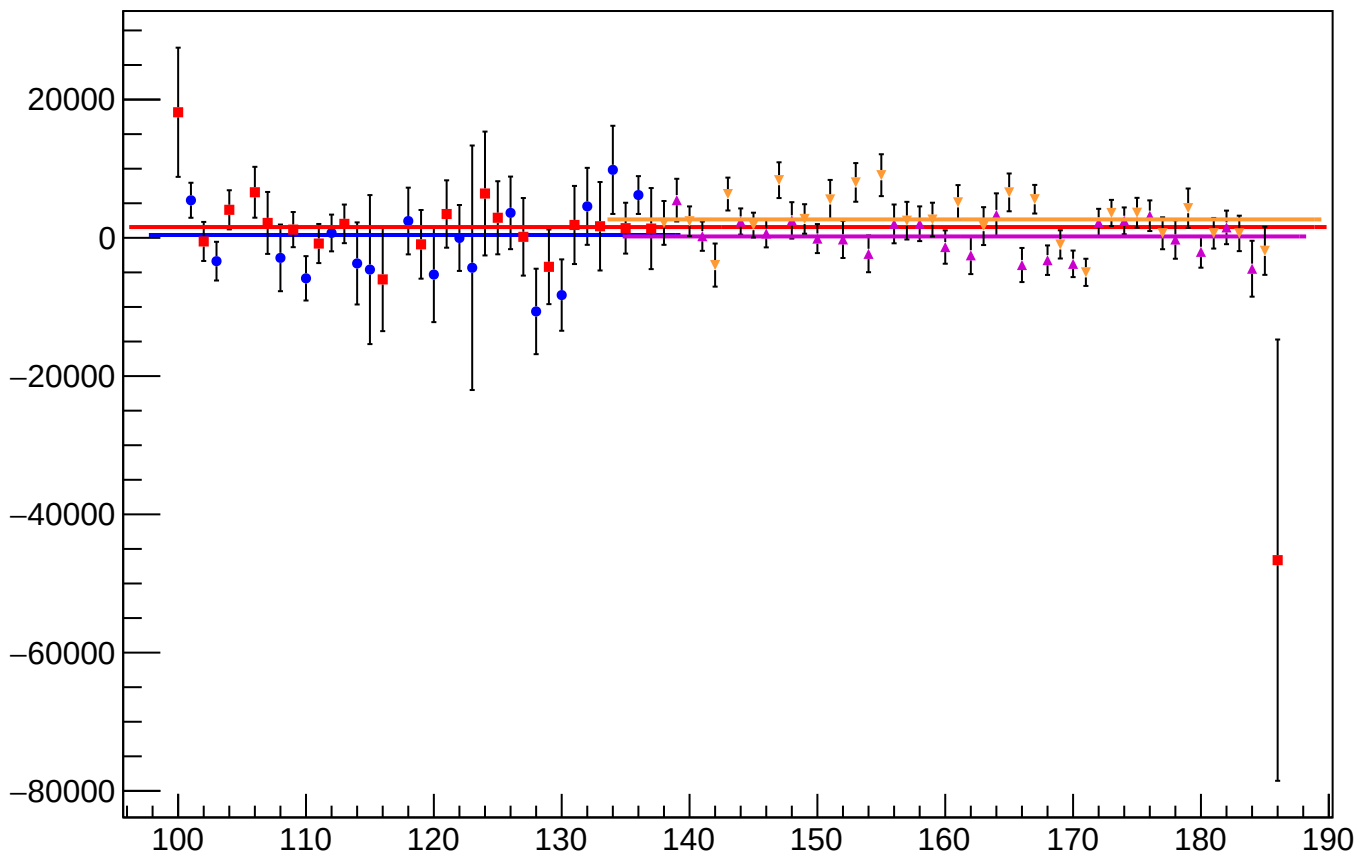
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 835.199 $\pm$ 0.126 χ^2 /NDF: 5753535.6/41

All: 834.909 $\pm$ 0.089 χ^2 /NDF: 11995274.3/84

- sign 834.615 $\pm$ 0.127 χ^2 /NDF: 6241728.0/42

asym_sam4_mean vs Slug



Right In: 411.092 ± 998.047 χ^2/NDF : 25.3/16

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 1560.531 ± 925.388 χ^2/NDF : 12.4/19

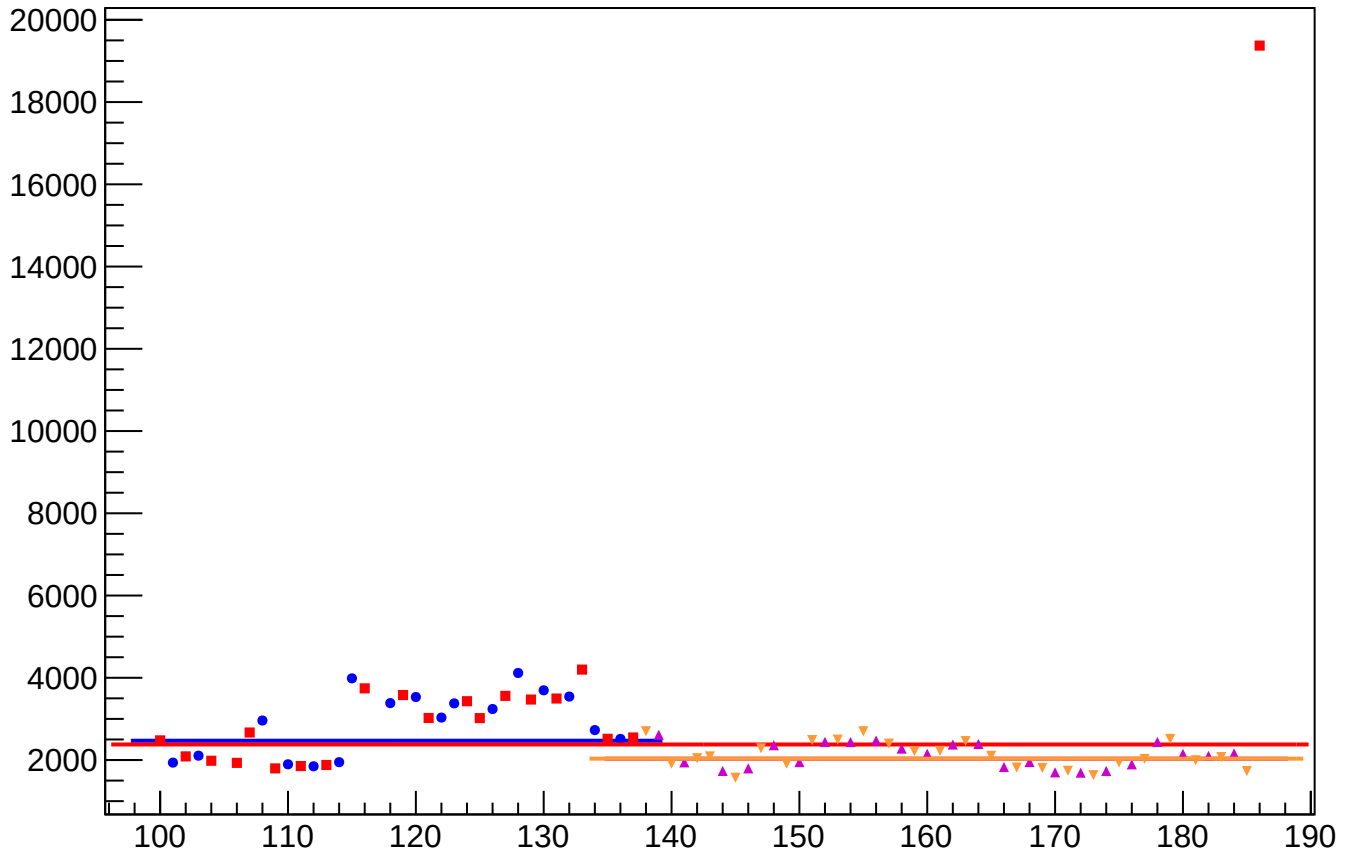
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2242.401 ± 432.406 χ^2/NDF : 78.7/41

All: 1375.066 ± 306.486 χ^2/NDF : 126.6/84

- sign 499.417 ± 434.474 χ^2/NDF : 39.9/42

asym_sam4_rms vs Slug



Right In: 2469.233 $\pm$ 0.706 χ^2 /NDF: 900151.2/16

Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF: 824062.2/24

Right Out: 2378.145 $\pm$ 0.654 χ^2 /NDF: 1593808.3/19

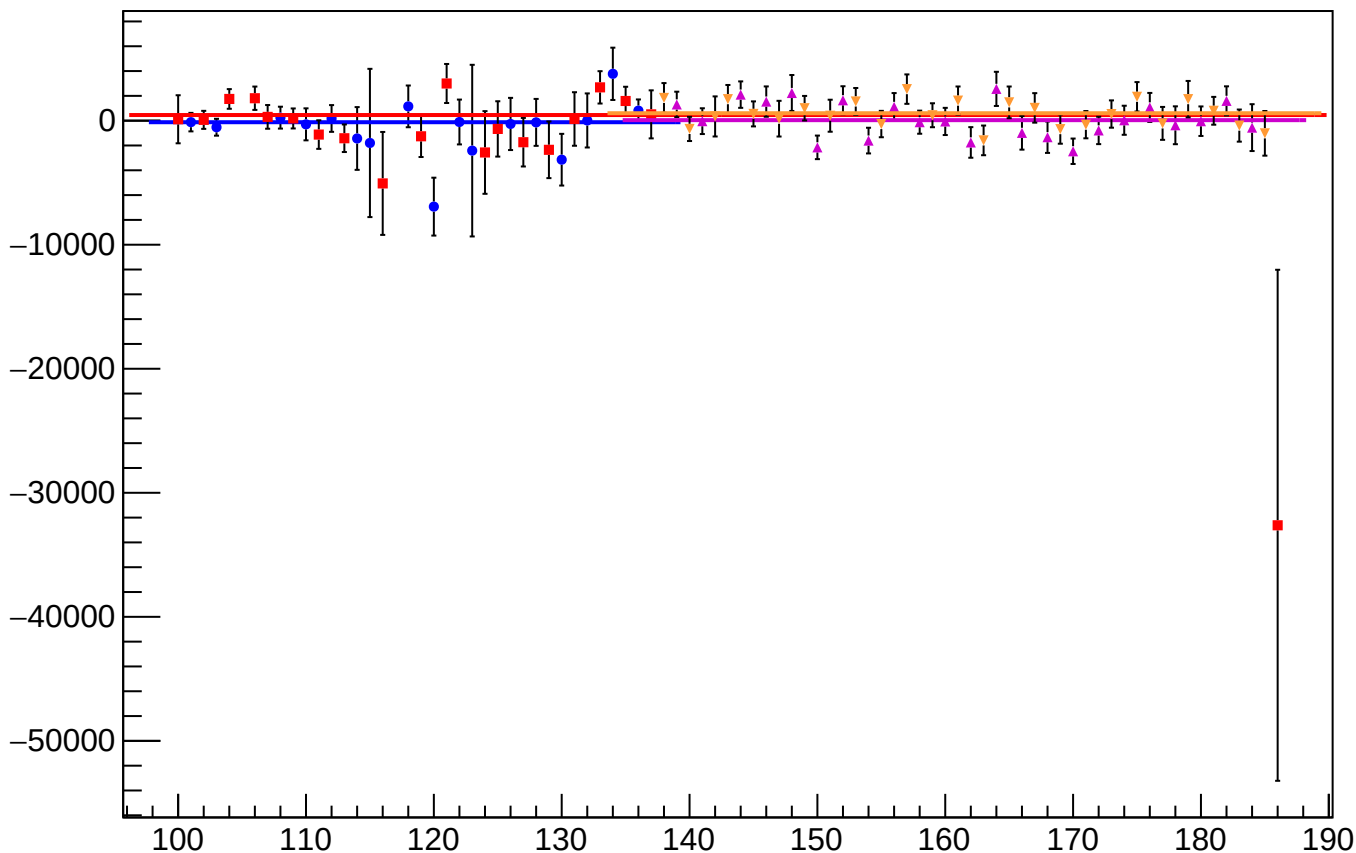
Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF: 652763.7/22

+ sign 2115.158 $\pm$ 0.306 χ^2 /NDF: 2034102.4/41

All: 2112.000 $\pm$ 0.217 χ^2 /NDF: 4498211.7/84

- sign 2108.813 $\pm$ 0.307 χ^2 /NDF: 2463894.9/42

asym_sam5_mean vs Slug



Right In: -124.338 ± 313.734 χ^2/NDF : 16.8/16

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 454.954 ± 283.109 χ^2/NDF : 25.7/19

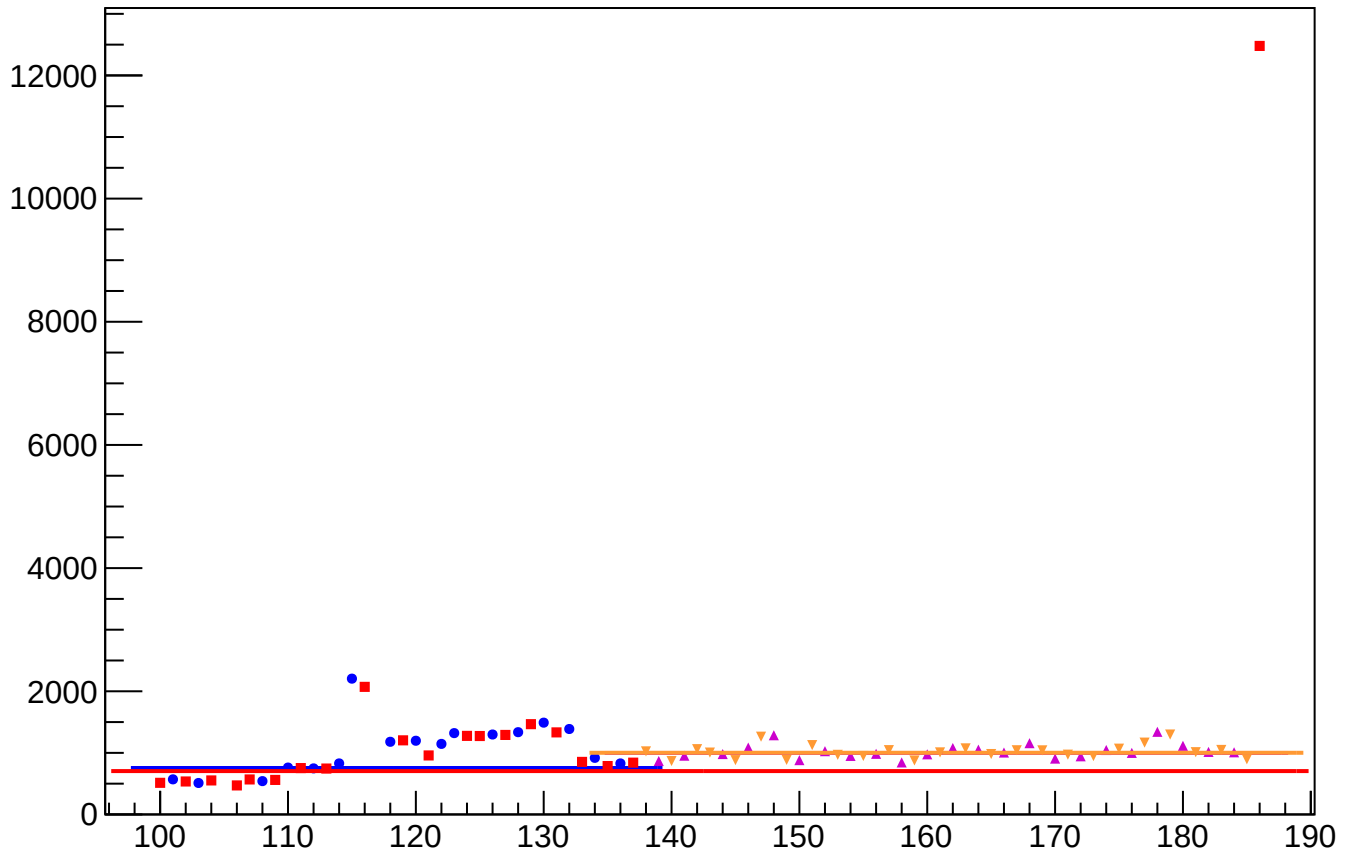
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 339.714 ± 188.070 χ^2/NDF : 38.7/41

All: 275.848 ± 131.314 χ^2/NDF : 102.2/84

- sign 215.095 ± 183.428 χ^2/NDF : 63.3/42

asym_sam5_rms vs Slug



Right In: 754.219 $\pm$ 0.222 χ^2 /NDF: 1689131.5/16

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 704.299 $\pm$ 0.200 χ^2 /NDF: 2342699.1/19

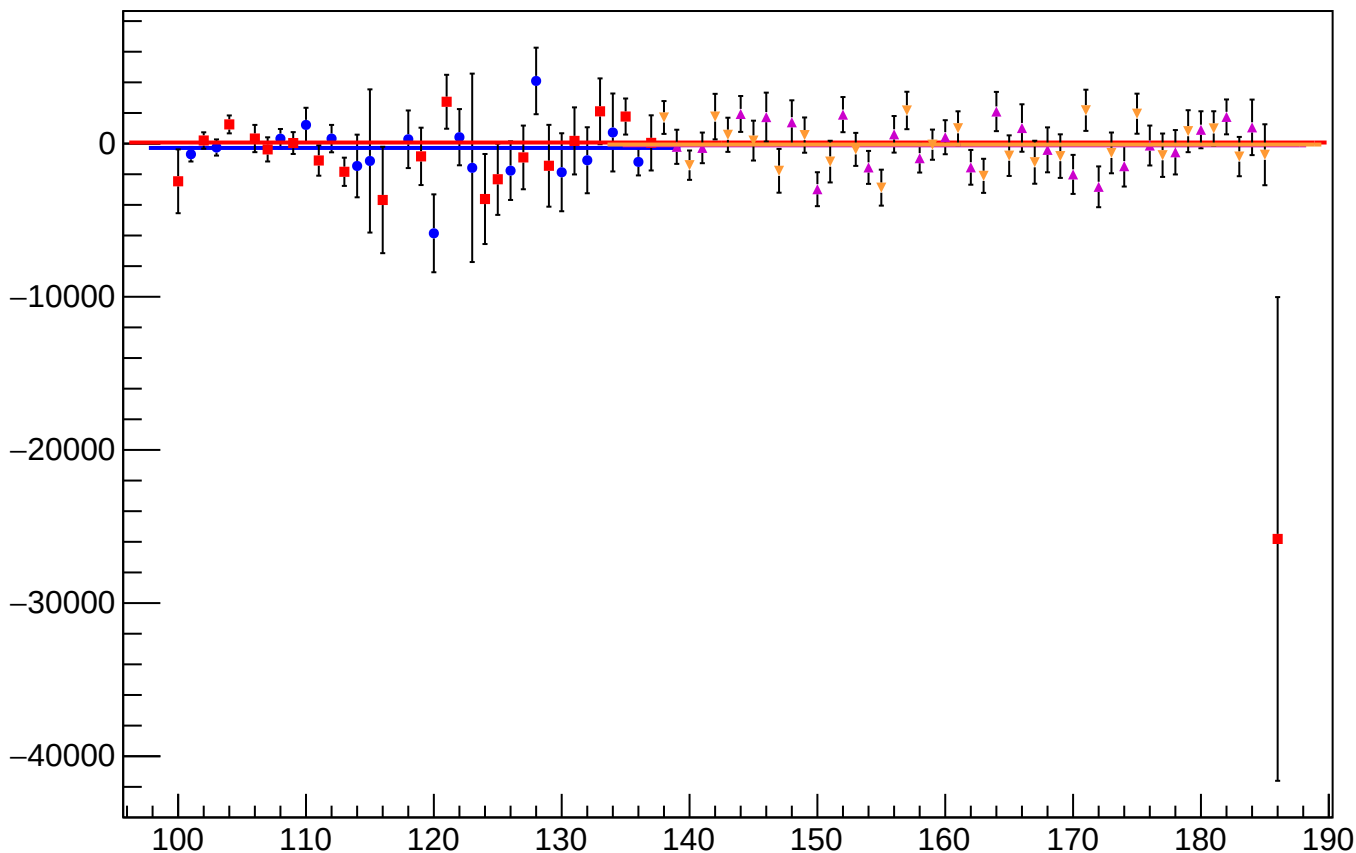
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 912.622 $\pm$ 0.133 χ^2 /NDF: 2855242.1/41

All: 893.207 $\pm$ 0.093 χ^2 /NDF: 6893507.8/84

- sign 874.738 $\pm$ 0.130 χ^2 /NDF: 3996676.8/42

asym_sam6_mean vs Slug



Right In: -283.172 ± 250.683 χ^2/NDF : 15.8/16

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: 71.299 ± 246.181 χ^2/NDF : 24.3/19

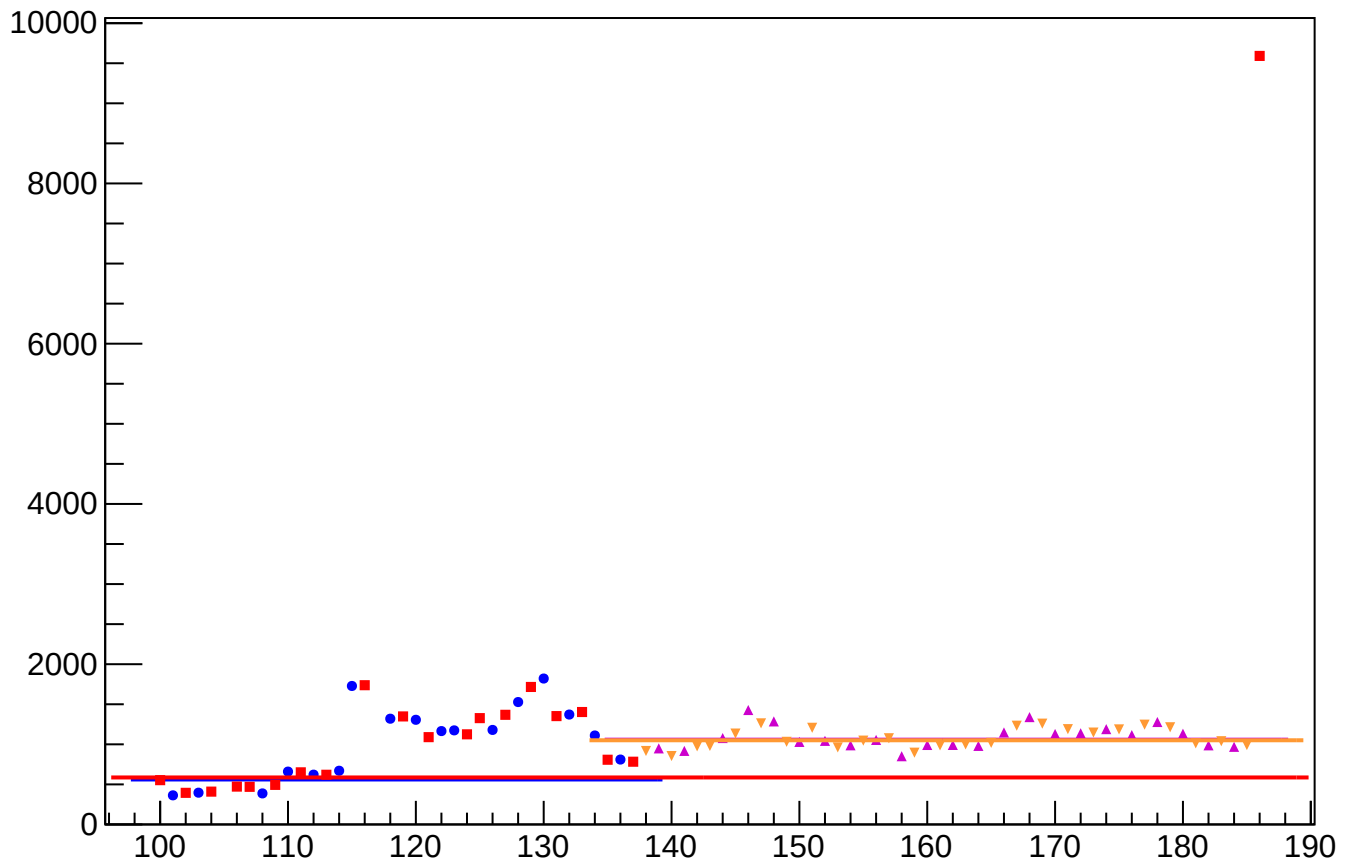
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -169.622 ± 175.763 χ^2/NDF : 47.2/41

All: -94.038 ± 124.805 χ^2/NDF : 106.9/84

- sign -17.171 ± 177.249 χ^2/NDF : 59.4/42

asym_sam6_rms vs Slug



Right In: 561.319+/-0.177 χ^2/NDF : 3211255.9/16

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 586.534+/-0.174 χ^2/NDF : 3464132.4/19

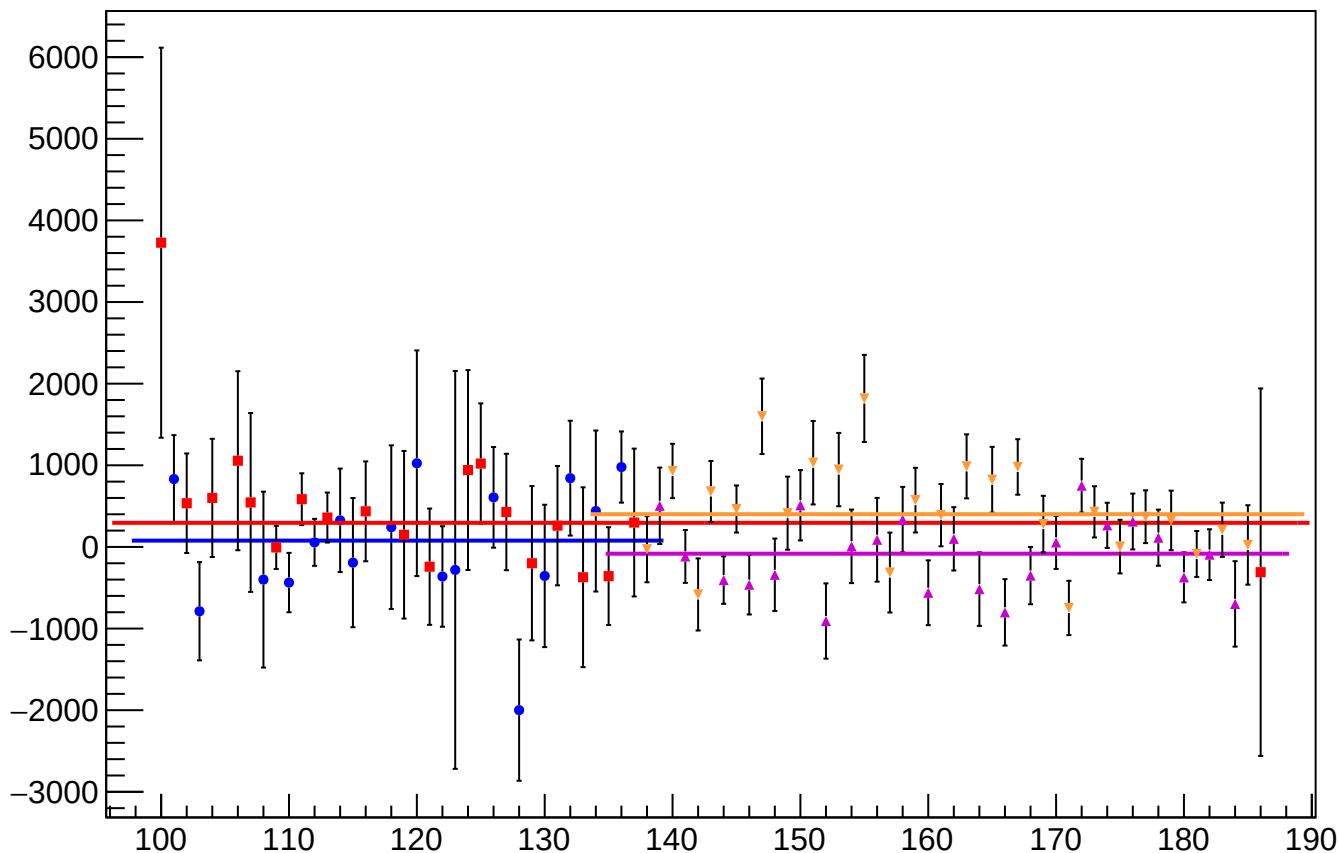
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 810.097+/-0.124 χ^2/NDF : 7568715.6/41

All: 811.855+/-0.088 χ^2/NDF : 15096049.8/84

- sign 813.642+/-0.125 χ^2/NDF : 7526930.8/42

asym_sam7_mean vs Slug



Right In: 77.417 ± 143.270 χ^2/NDF : 19.9/16

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 295.198 ± 129.599 χ^2/NDF : 9.0/19

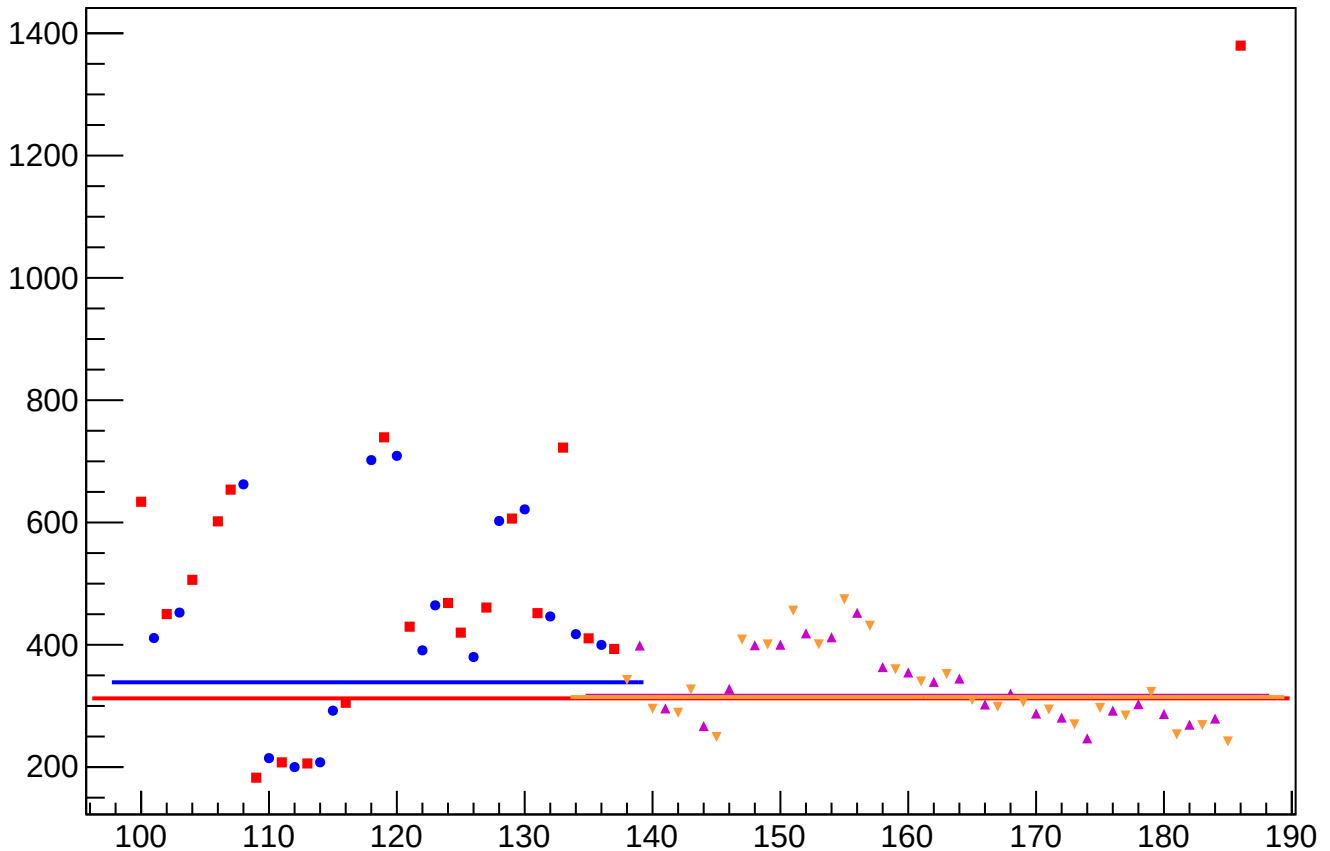
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 332.050 ± 66.130 χ^2/NDF : 75.9/41

All: 173.827 ± 46.763 χ^2/NDF : 131.6/84

- sign 15.573 ± 66.136 χ^2/NDF : 44.2/42

asym_sam7_rms vs Slug



Right In: 338.706 $\pm$ 0.101 χ^2 /NDF: 2007568.0/16

Left Out: 314.538 $\pm$ 0.053 χ^2 /NDF: 1112445.6/24

Right Out: 312.383 $\pm$ 0.092 χ^2 /NDF: 3183873.4/19

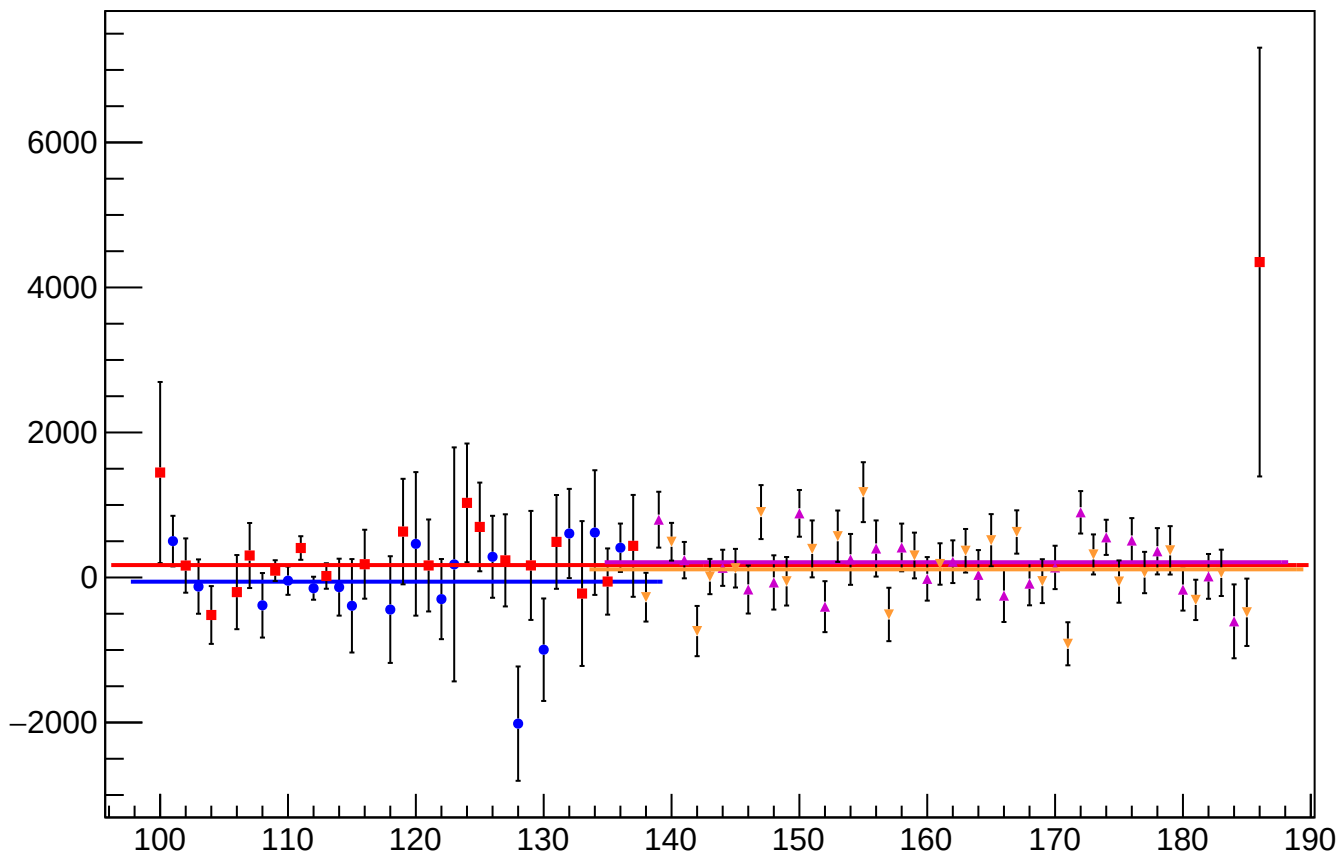
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF: 920874.0/22

+ sign 319.687 $\pm$ 0.047 χ^2 /NDF: 3164798.7/41

All: 317.612 $\pm$ 0.033 χ^2 /NDF: 7275086.6/84

- sign 315.536 $\pm$ 0.047 χ^2 /NDF: 4106348.5/42

asym_sam8_mean vs Slug



Right In: -57.851 ± 90.694 $\chi^2/\text{NDF}: 16.6/16$

Left Out: 112.242 ± 62.643 $\chi^2/\text{NDF}: 49.1/24$

Right Out: 171.155 ± 76.942 $\chi^2/\text{NDF}: 12.8/19$

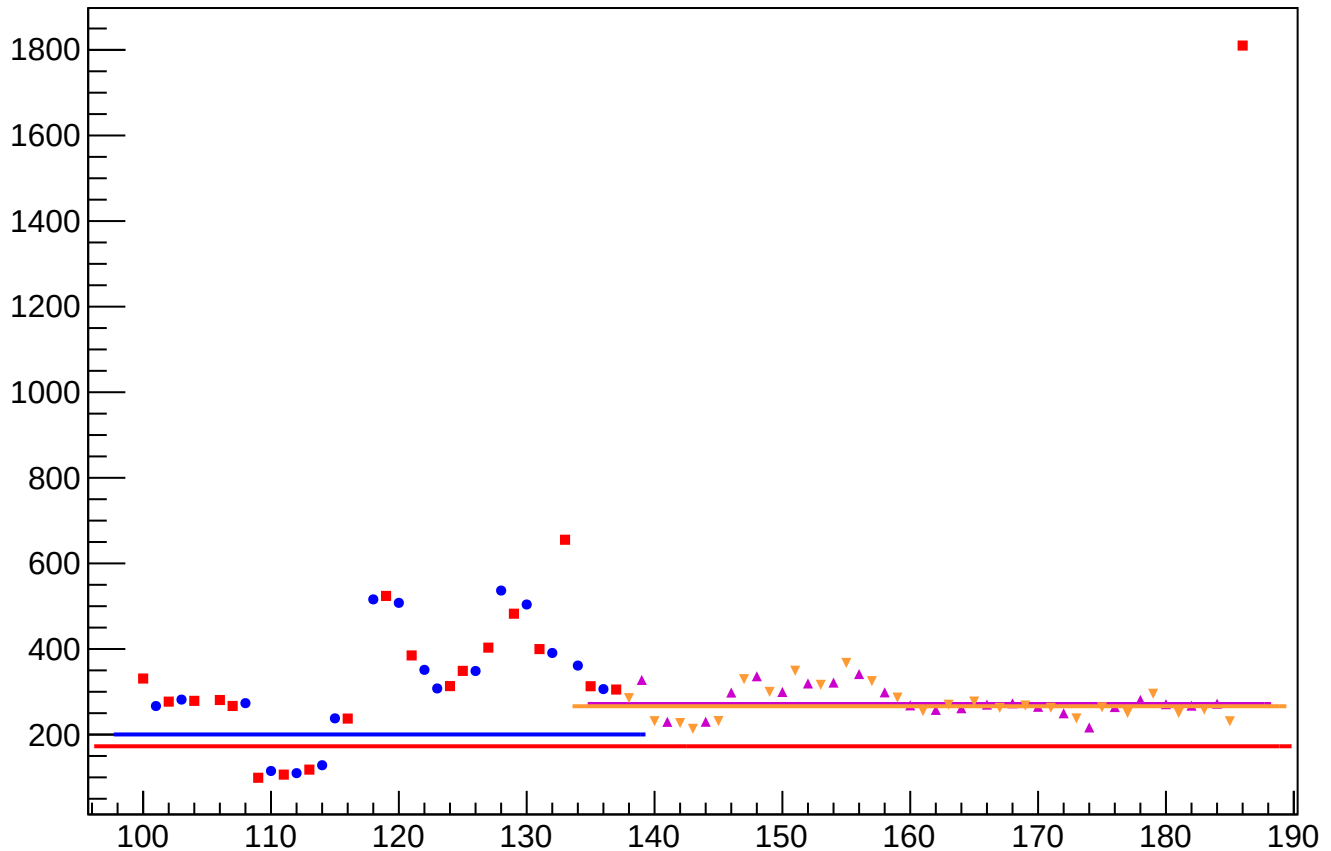
Left In: 210.453 ± 65.510 $\chi^2/\text{NDF}: 29.2/22$

+ sign 57.304 ± 51.543 $\chi^2/\text{NDF}: 68.1/41$

All: 127.861 ± 35.844 $\chi^2/\text{NDF}: 113.8/84$

- sign 193.937 ± 49.880 $\chi^2/\text{NDF}: 42.1/42$

asym_sam8_rms vs Slug



Right In: 200.283 ± 0.064 χ^2/NDF : 3381863.8/16

Left Out: 266.207 ± 0.044 χ^2/NDF : 649629.9/24

Right Out: 172.656 ± 0.054 χ^2/NDF : 4697030.3/19

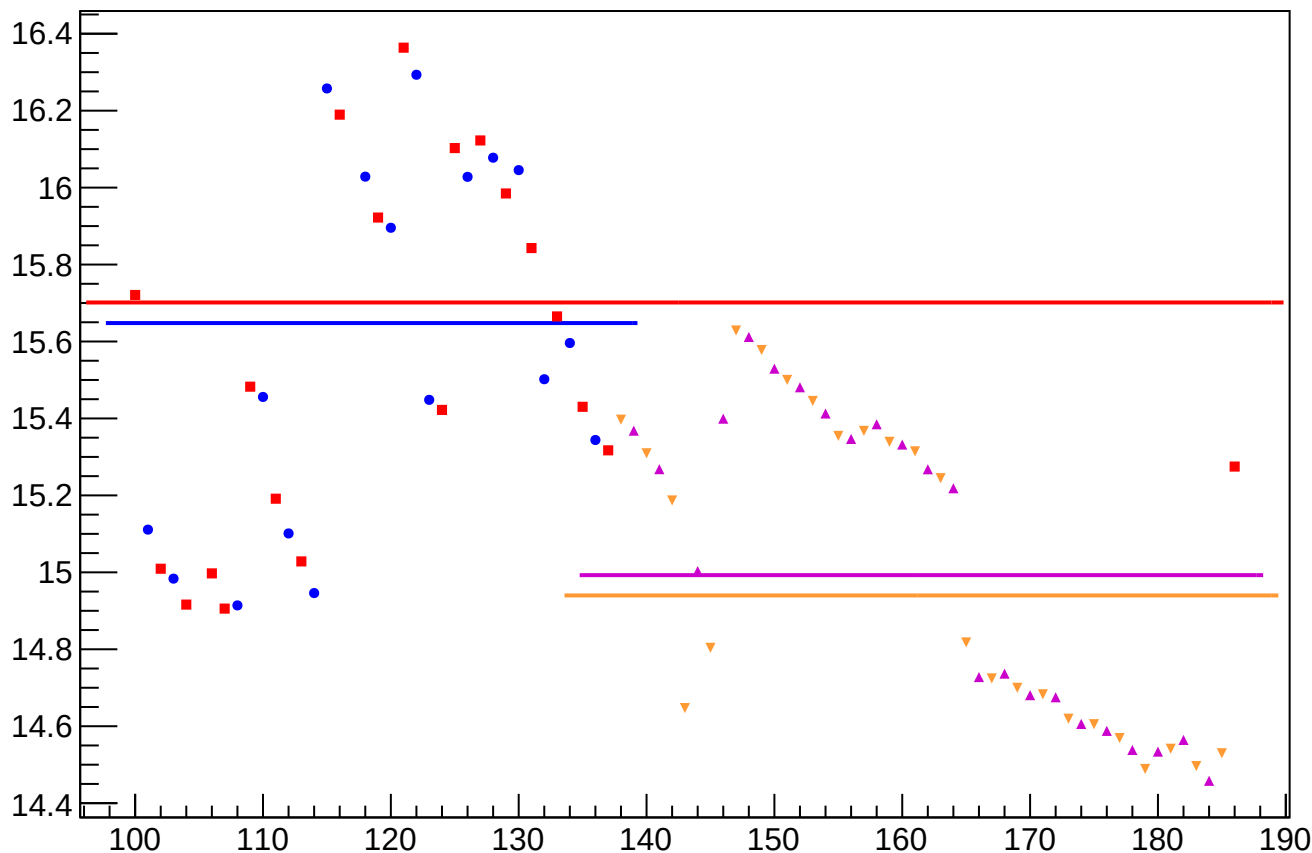
Left In: 271.415 ± 0.046 χ^2/NDF : 521877.7/22

+ sign 244.915 ± 0.036 χ^2/NDF : 4746894.0/41

All: 237.166 ± 0.025 χ^2/NDF : 11963548.8/84

- sign 229.910 ± 0.035 χ^2/NDF : 7129130.4/42

yield_sam1_mean vs Slug



Right In: 15.648 $\pm$ 0.000 χ^2 /NDF: 5445005645.2/16

Left Out: 14.940 $\pm$ 0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 15.701 $\pm$ 0.000 χ^2 /NDF: 5137705689.4/19

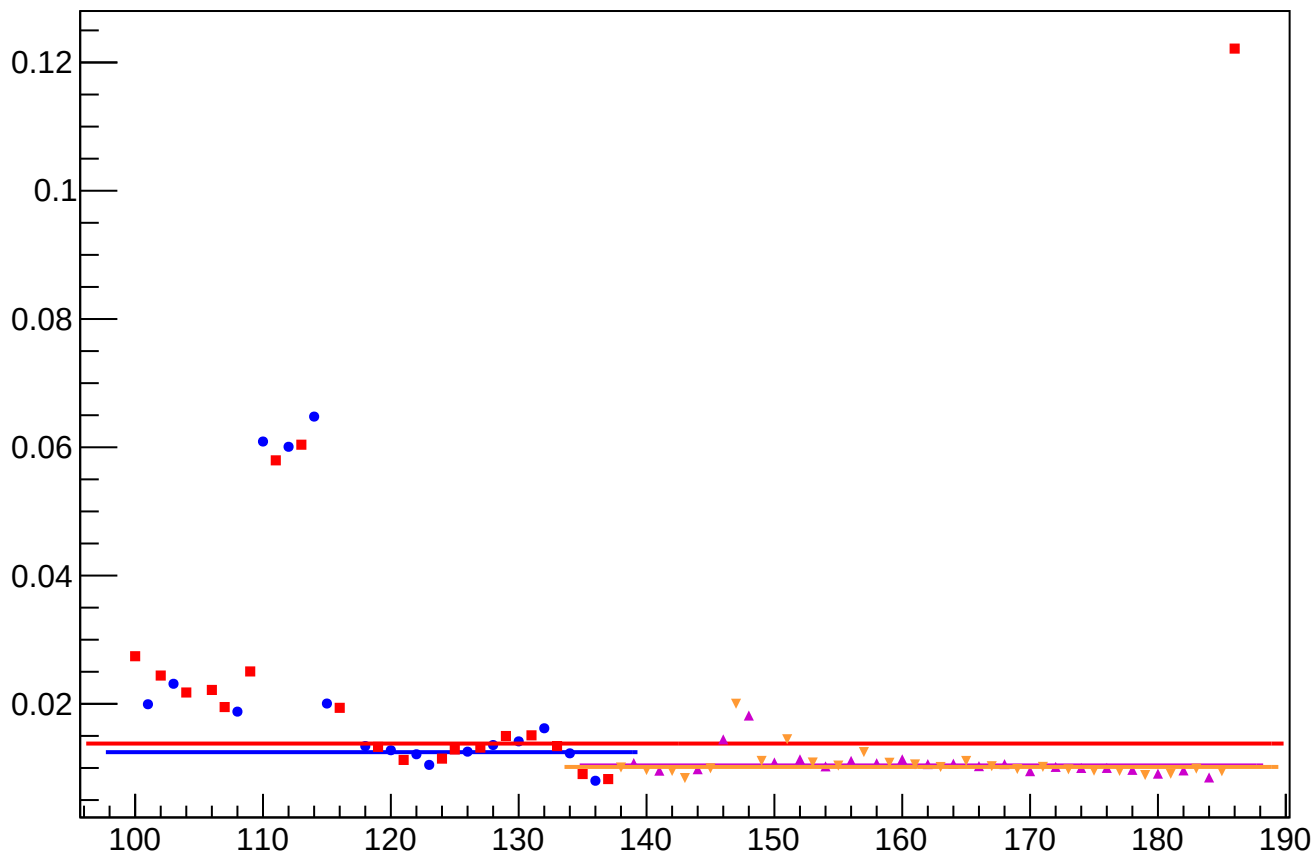
Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

+ sign 15.057 $\pm$ 0.000 χ^2 /NDF: 43491621886.9/41

All: 15.080 $\pm$ 0.000 χ^2 /NDF: 83065087658.5

- sign 15.106 $\pm$ 0.000 χ^2 /NDF: 39346478333.7/42

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 2144984.5/16

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 2643067.5/19

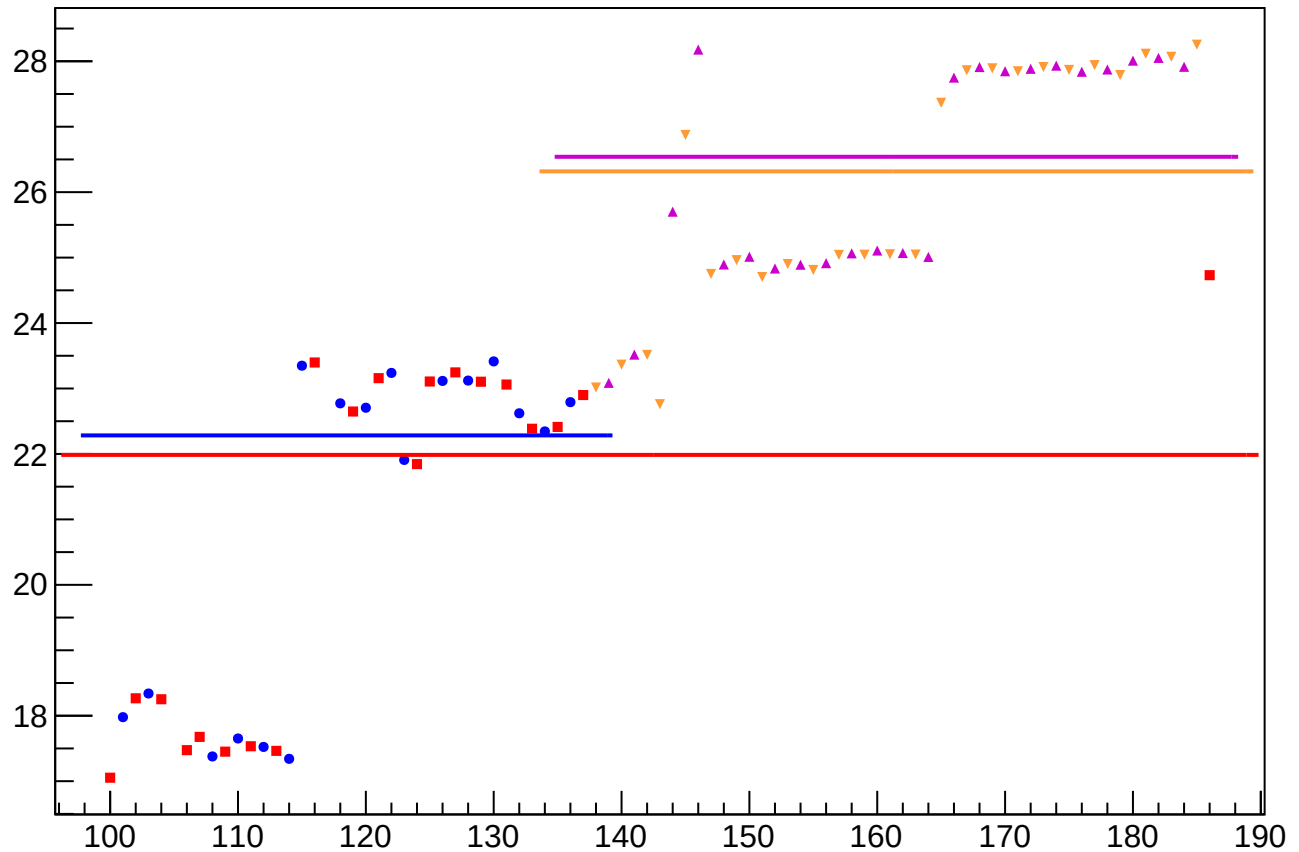
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 3155349.4/41

All: 0.011 $\pm$ 0.000 χ^2/NDF : 6936984.0/84

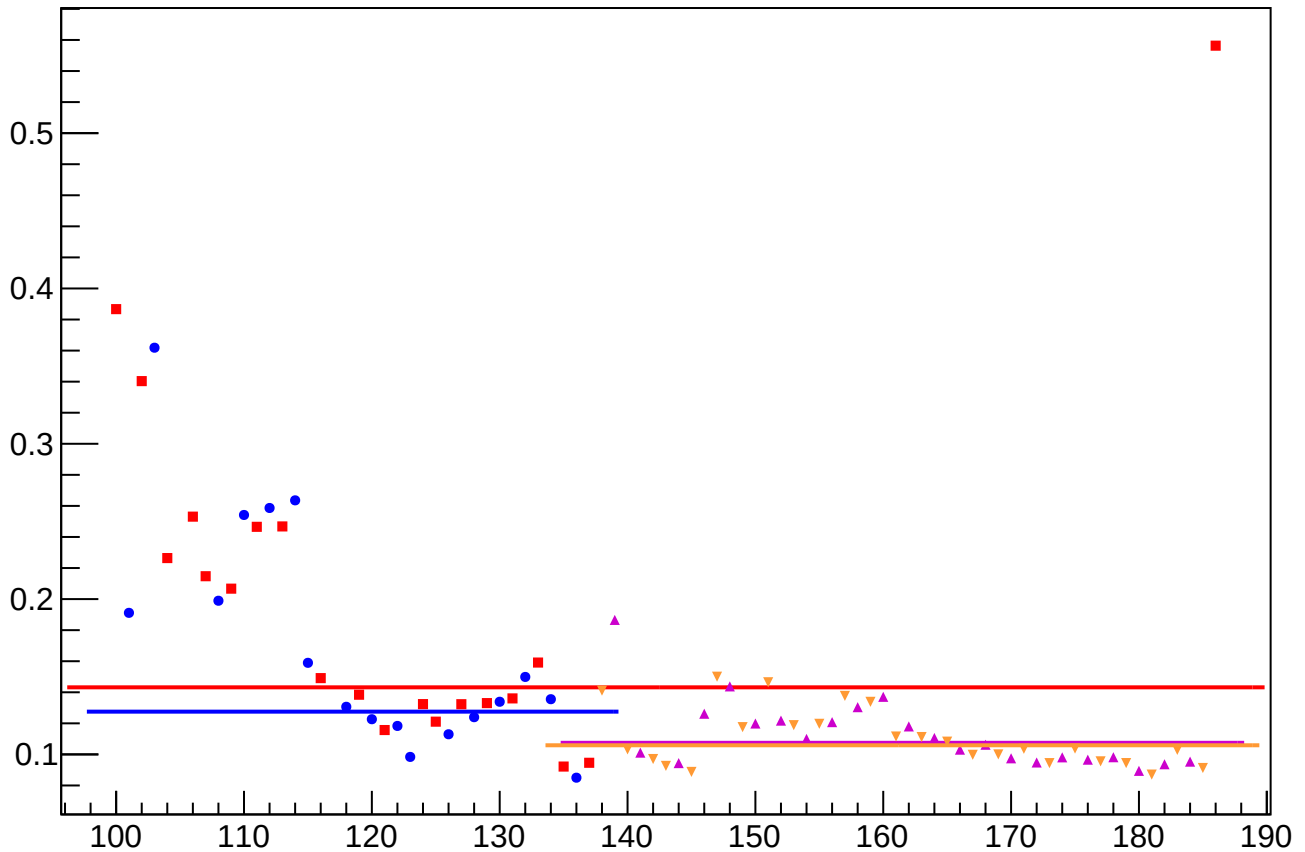
- sign 0.011 $\pm$ 0.000 χ^2/NDF : 3751605.8/42

yield_sam2_mean vs Slug



Right In: 22.283+/-0.000	χ^2/NDF : 929007366.8/16	+ sign 25.590+/-0.000	χ^2/NDF : 9785200478.0/41
Left Out: 26.318+/-0.000	χ^2/NDF : 4715403741.0/24	All: 25.662+/-0.000	χ^2/NDF : 18888388385.0
Right Out: 21.985+/-0.000	χ^2/NDF : 1058651860.5/19	- sign 25.741+/-0.000	χ^2/NDF : 9084435564.5/42
Left In: 26.540+/-0.000	χ^2/NDF : 3309392772.6/22		

yield_sam2_rms vs Slug



Right In: 0.128 ± 0.000 $\chi^2/\text{NDF}: 1490198.9/16$

Left Out: 0.106 ± 0.000 $\chi^2/\text{NDF}: 732883.8/24$

Right Out: 0.143 ± 0.000 $\chi^2/\text{NDF}: 1854767.8/19$

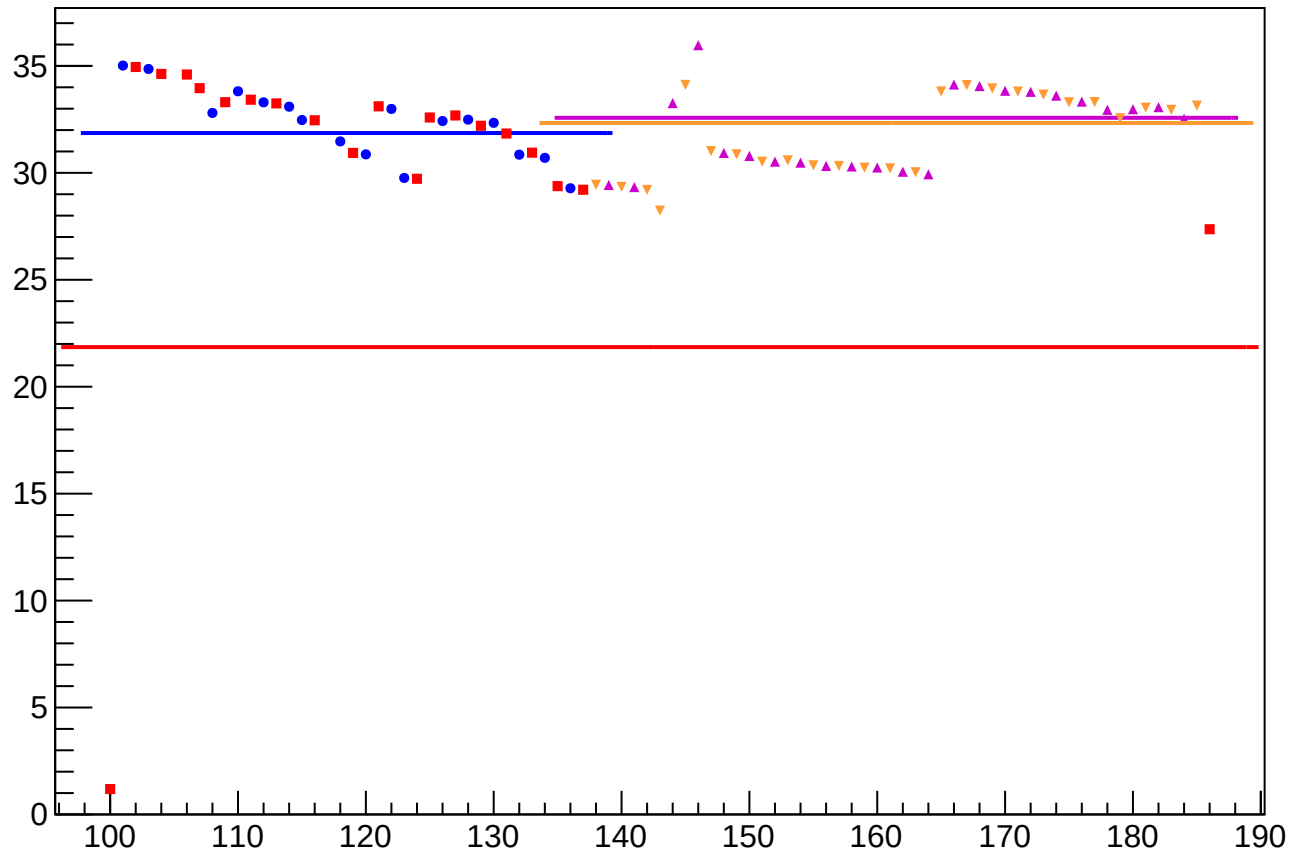
Left In: 0.107 ± 0.000 $\chi^2/\text{NDF}: 771132.0/22$

+ sign 0.110 ± 0.000 $\chi^2/\text{NDF}: 2461676.4/41$

All: 0.112 ± 0.000 $\chi^2/\text{NDF}: 5693303.4/84$

- sign 0.114 ± 0.000 $\chi^2/\text{NDF}: 3206017.9/42$

yield_sam3_mean vs Slug



Right In: 31.862 $\pm$ 0.000 χ^2 /NDF: 1902439059.8/16

Left Out: 32.331 $\pm$ 0.000 χ^2 /NDF: 12850475096.2/24

Right Out: 21.852 $\pm$ 0.000 χ^2 /NDF: 229271466327.8/19

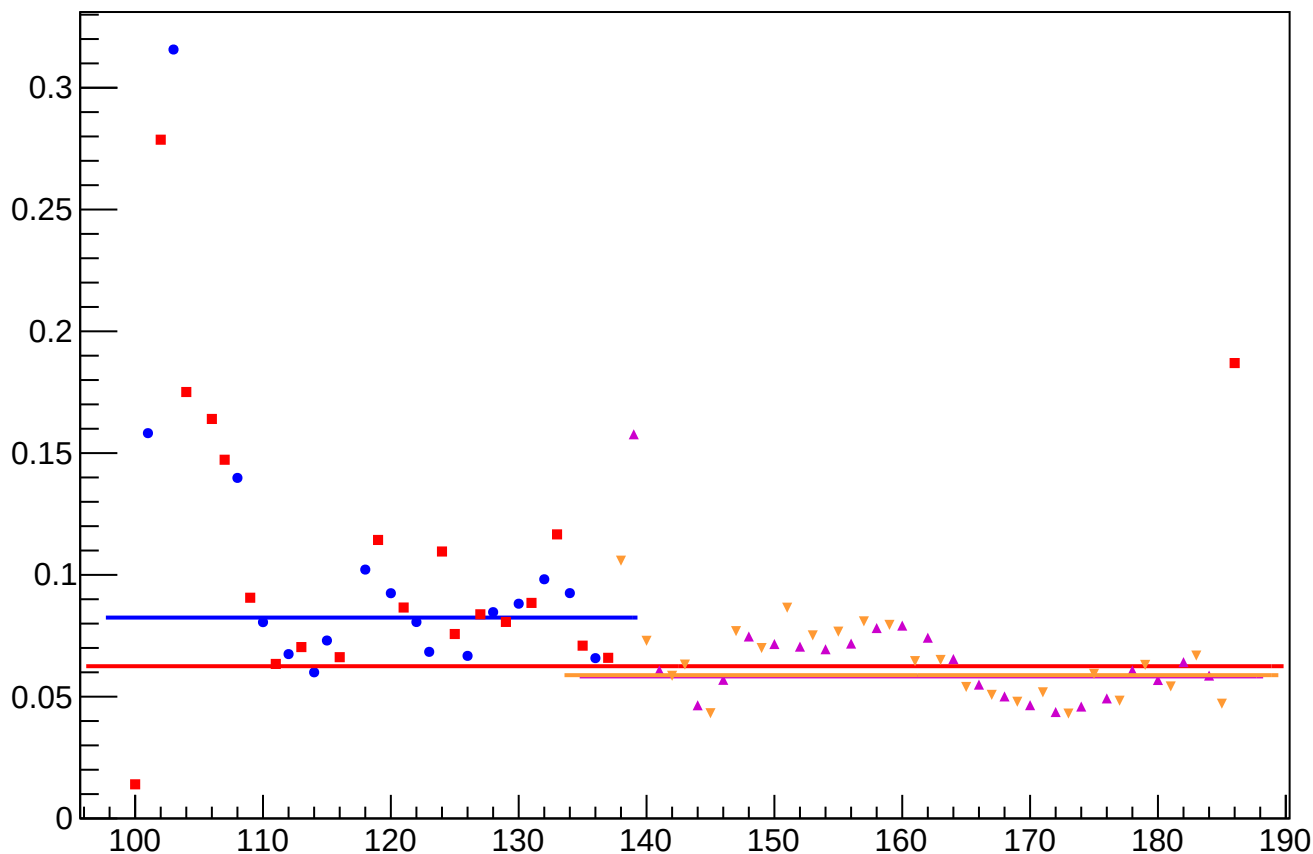
Left In: 32.574 $\pm$ 0.000 χ^2 /NDF: 11797772603.7/22

+ sign 32.261 $\pm$ 0.000 χ^2 /NDF: 14887461538.9/41

All: 31.249 $\pm$ 0.000 χ^2 /NDF: 362323979382.

- sign 30.273 $\pm$ 0.000 χ^2 /NDF: 337754621921.3/42

yield_sam3_rms vs Slug



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 1182597.0/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 1402605.2/24

Right Out: 0.063 $\pm$ 0.000 χ^2 /NDF: 3932823.6/19

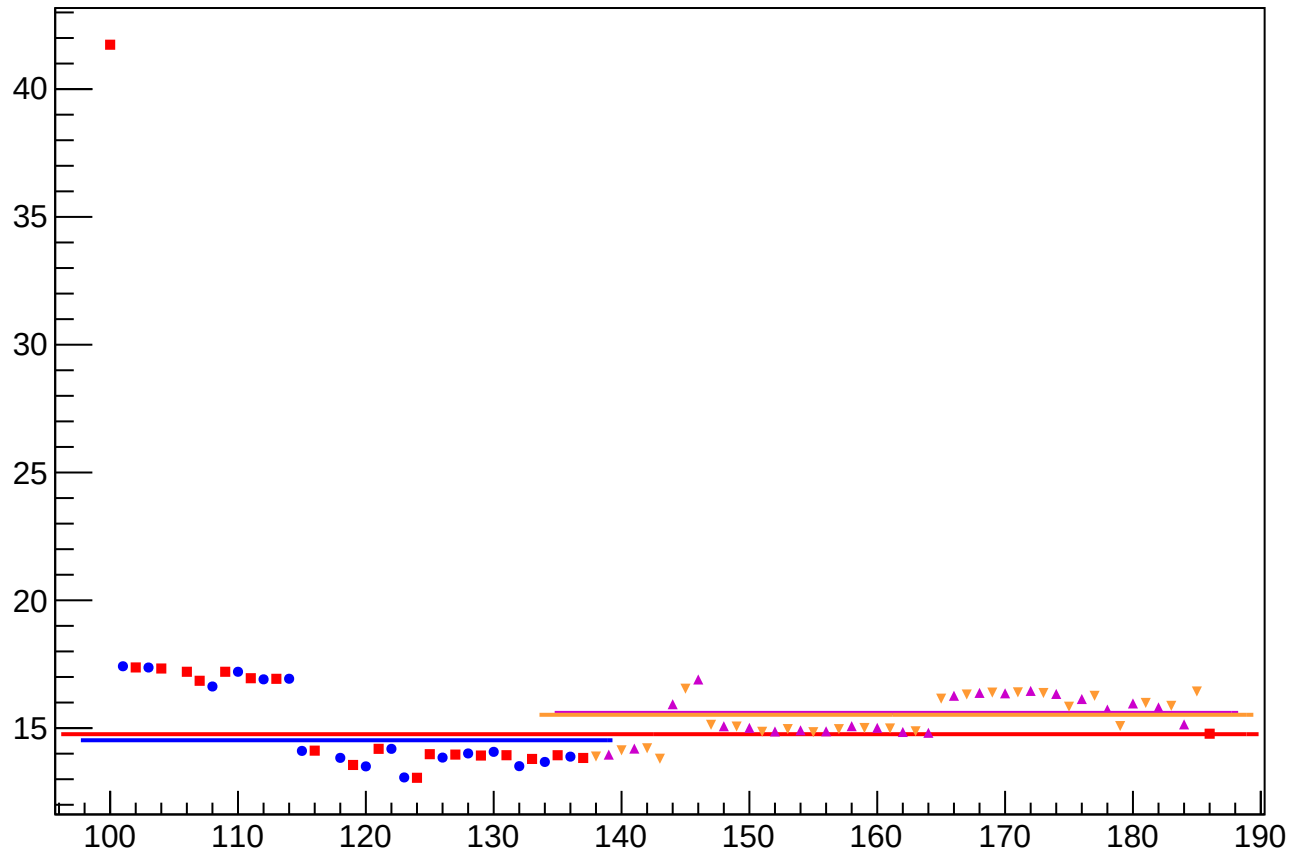
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF: 1525476.4/22

+ sign 0.062 $\pm$ 0.000 χ^2 /NDF: 3268321.2/41

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 8804565.9/84

- sign 0.059 $\pm$ 0.000 χ^2 /NDF: 5487902.5/42

yield_sam4_mean vs Slug



Right In: 14.524 $\pm$ 0.000 χ^2 /NDF: 1485492036.5/16

Left Out: 15.521 $\pm$ 0.000 χ^2 /NDF: 2591377740.5/24

Right Out: 14.762 $\pm$ 0.000 χ^2 /NDF: 1903089577.9/19

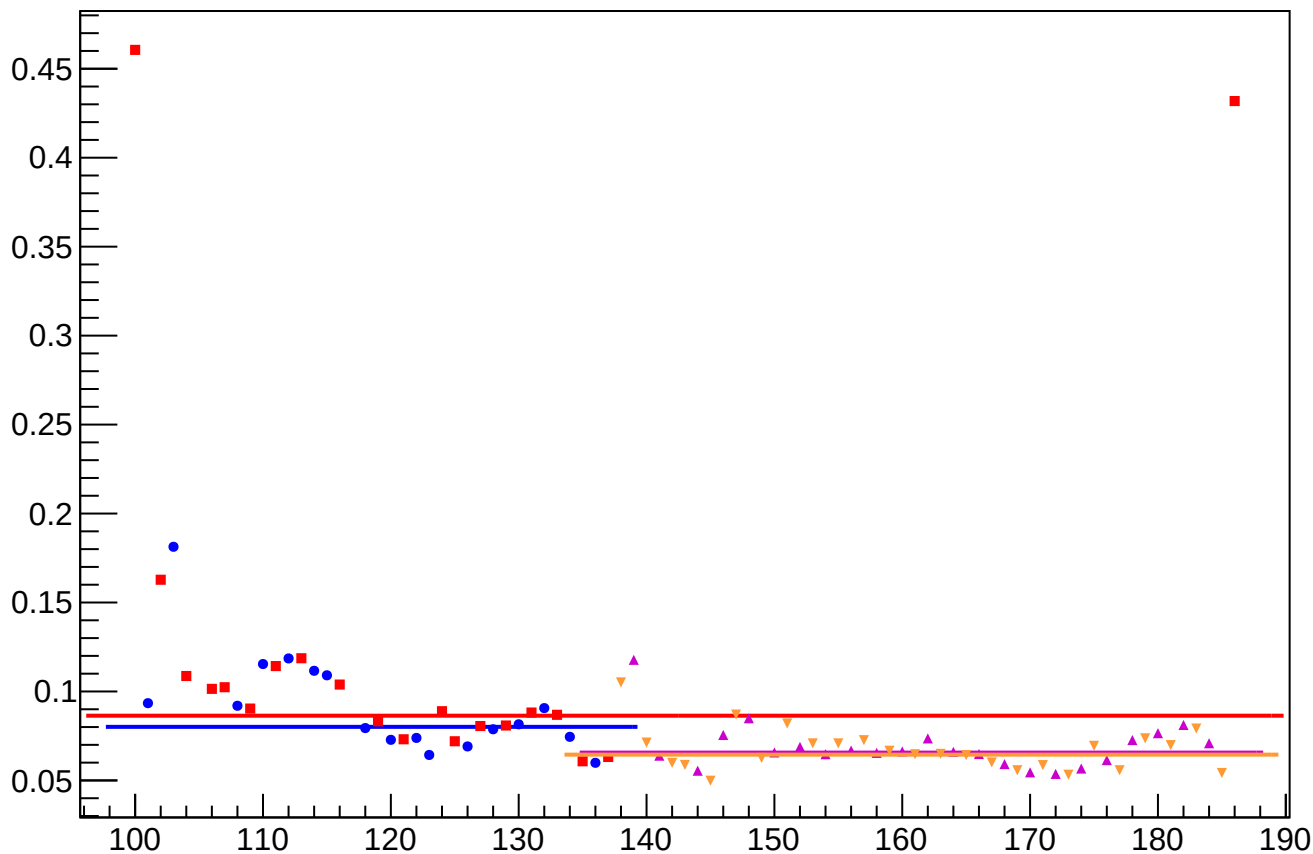
Left In: 15.595 $\pm$ 0.000 χ^2 /NDF: 1908733580.5/22

+ sign 15.335 $\pm$ 0.000 χ^2 /NDF: 4770764751.5/41

All: 15.384 $\pm$ 0.000 χ^2 /NDF: 9057527107.2/8

- sign 15.438 $\pm$ 0.000 χ^2 /NDF: 4263682344.7/42

yield_sam4_rms vs Slug



Right In: 0.080 ± 0.000 χ^2/NDF : 775791.3/16

Left Out: 0.064 ± 0.000 χ^2/NDF : 761552.3/24

Right Out: 0.086 ± 0.000 χ^2/NDF : 1203460.6/19

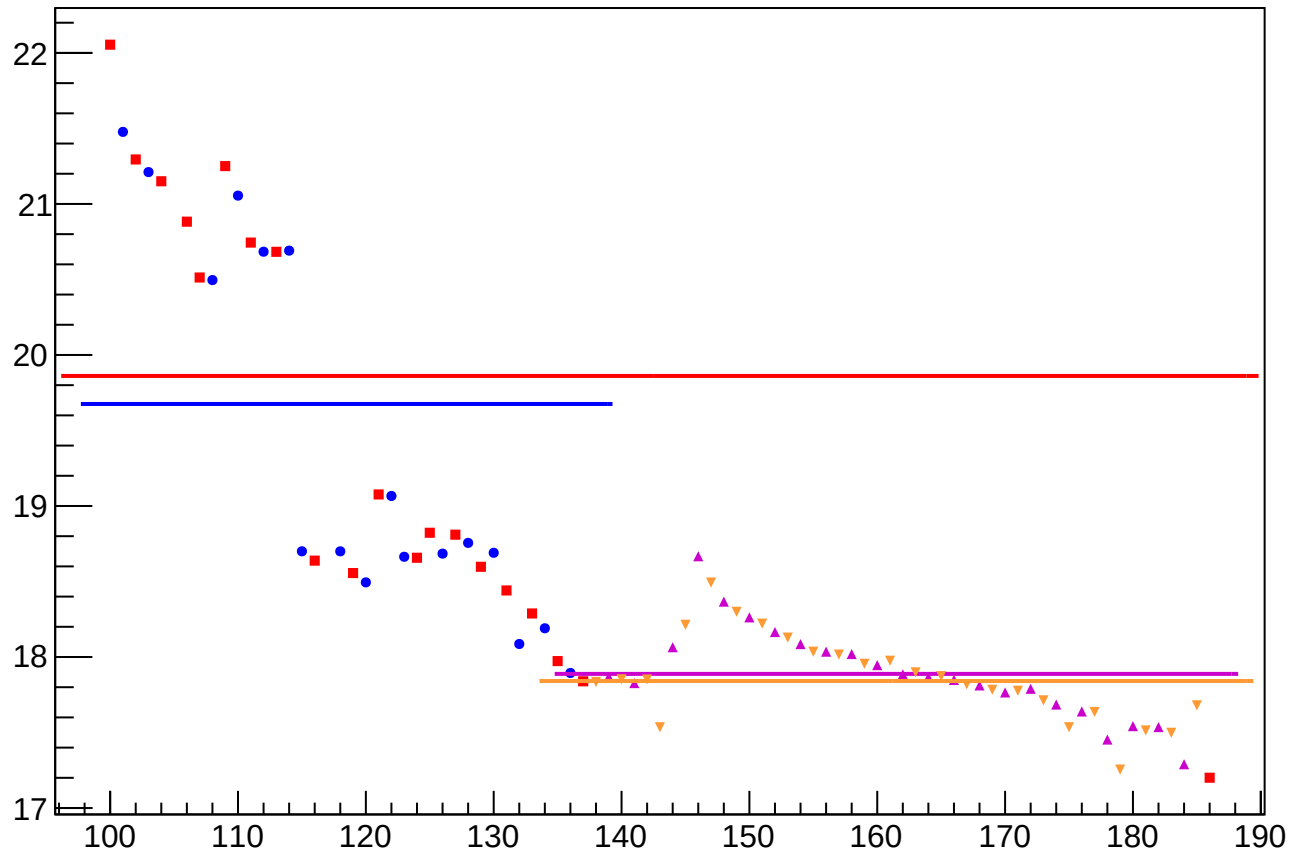
Left In: 0.066 ± 0.000 χ^2/NDF : 714703.1/22

+ sign 0.067 ± 0.000 χ^2/NDF : 1878044.4/41

All: 0.068 ± 0.000 χ^2/NDF : 4376450.1/84

- sign 0.070 ± 0.000 χ^2/NDF : 2477689.6/42

yield_sam5_mean vs Slug



Right In: 19.676+/-0.000 χ^2/NDF : 12360927493.1/16

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 19.861+/-0.000 χ^2/NDF : 11468190878.1/19

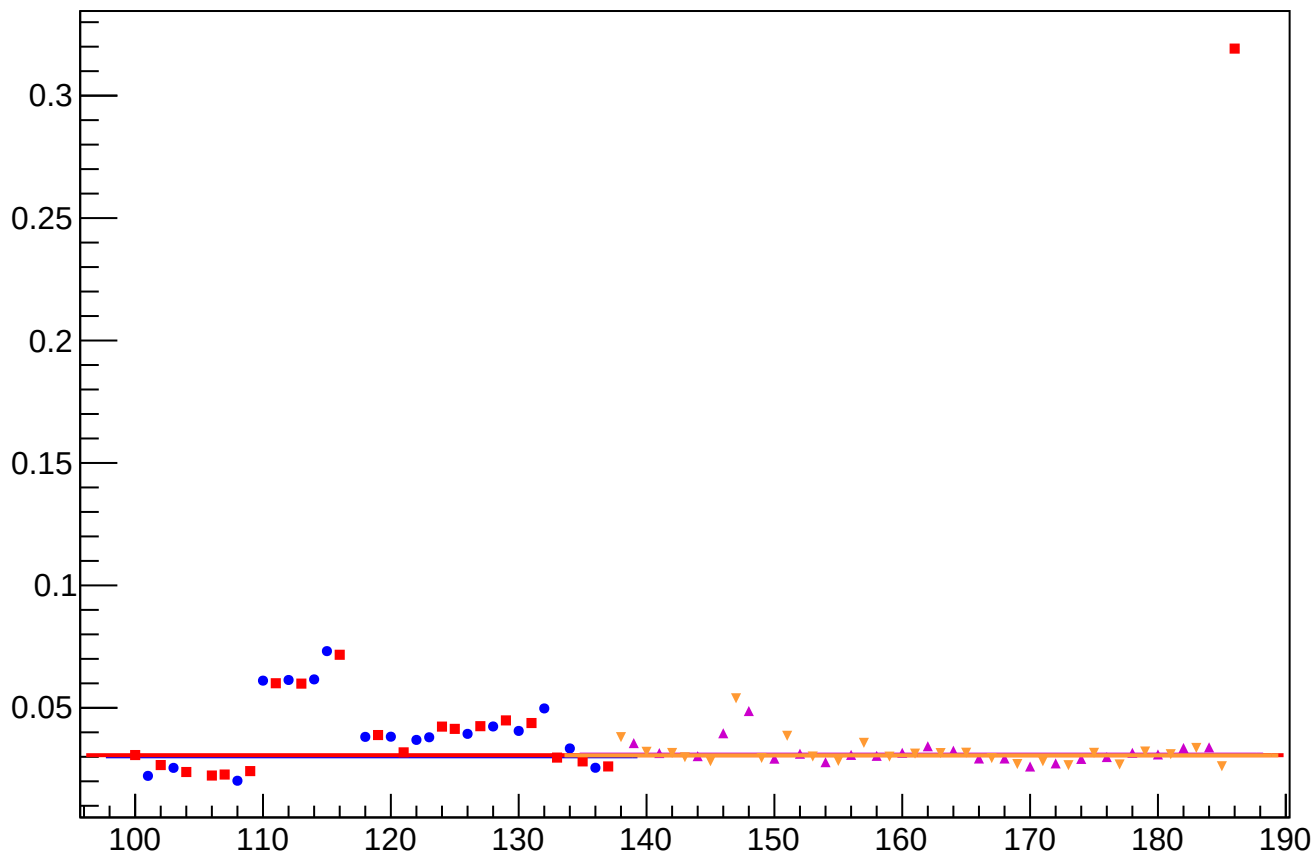
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.294+/-0.000 χ^2/NDF : 29121667694.2/41

All: 18.353+/-0.000 χ^2/NDF : 60022647123.4

- sign 18.415+/-0.000 χ^2/NDF : 30722122179.3/42

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1318915.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 590475.6/24

Right Out: 0.031+/-0.000 χ^2/NDF : 1760460.0/19

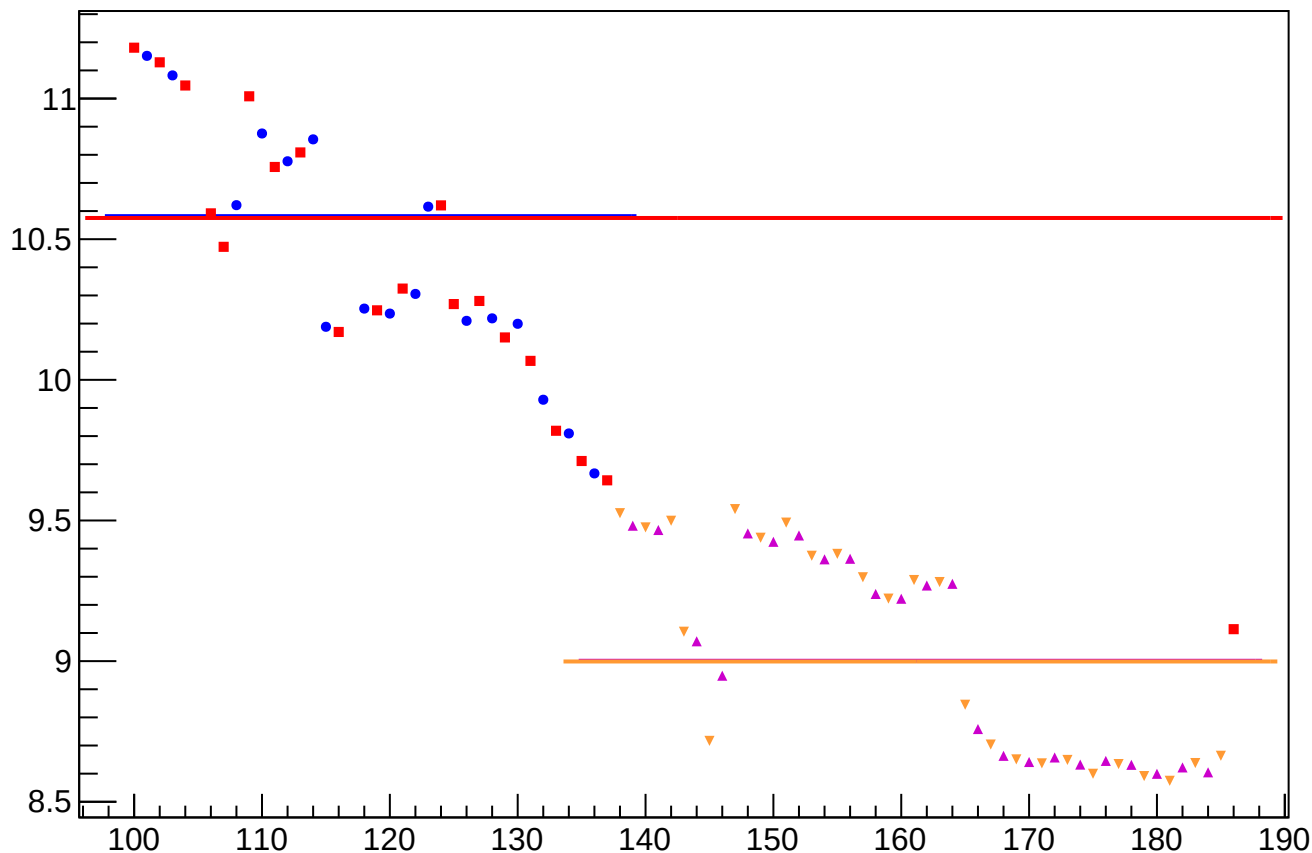
Left In: 0.031+/-0.000 χ^2/NDF : 453524.6/22

+ sign 0.031+/-0.000 χ^2/NDF : 1910901.9/41

All: 0.031+/-0.000 χ^2/NDF : 4128054.6/84

- sign 0.031+/-0.000 χ^2/NDF : 2214503.5/42

yield_sam6_mean vs Slug



Right In: 10.582 $\pm$ 0.000 χ^2 /NDF: 7496301993.4/16

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.575 $\pm$ 0.000 χ^2 /NDF: 5875181569.9/19

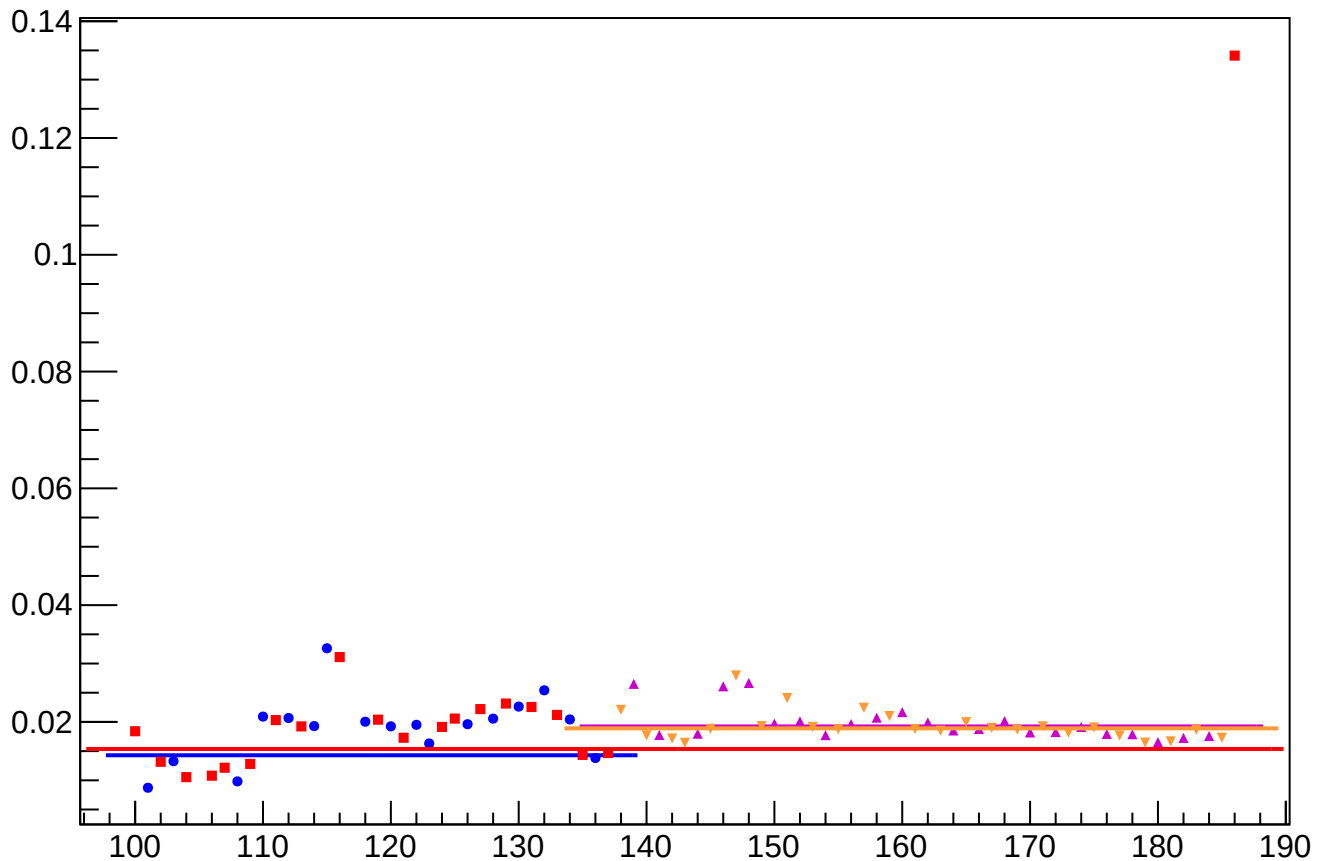
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.563 $\pm$ 0.000 χ^2 /NDF: 55871532623.0/41

All: 9.574 $\pm$ 0.000 χ^2 /NDF: 106439943194.4

- sign 9.585 $\pm$ 0.000 χ^2 /NDF: 50551081718.7/42

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1401060.2/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 428169.5/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1551720.0/19

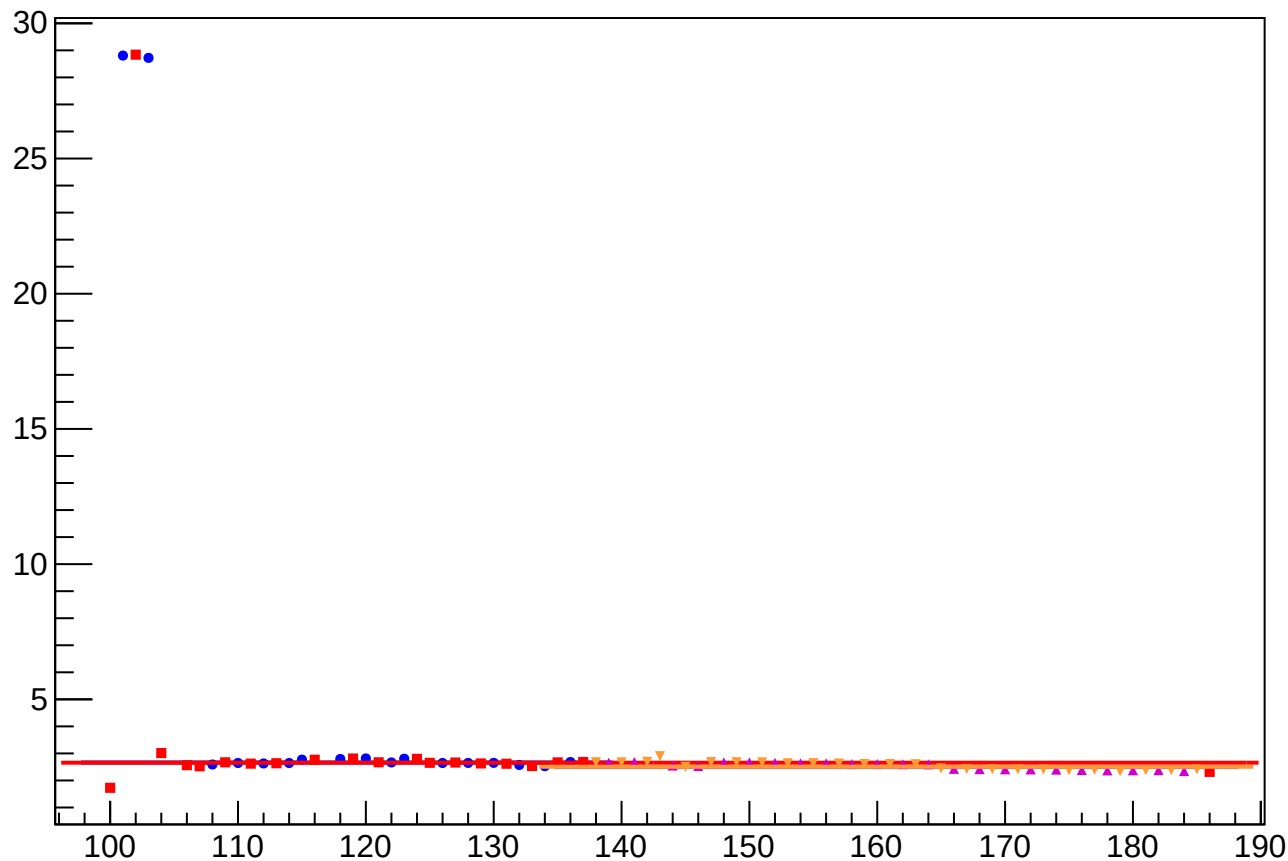
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 481824.0/22

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2540739.9/41

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 5067376.1/84

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 2506135.1/42

yield_sam7_mean vs Slug



Right In: 2.664 $\pm$ 0.000 χ^2 /NDF: 163239224312.8/16

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.657 $\pm$ 0.000 χ^2 /NDF: 72359130448.6/19

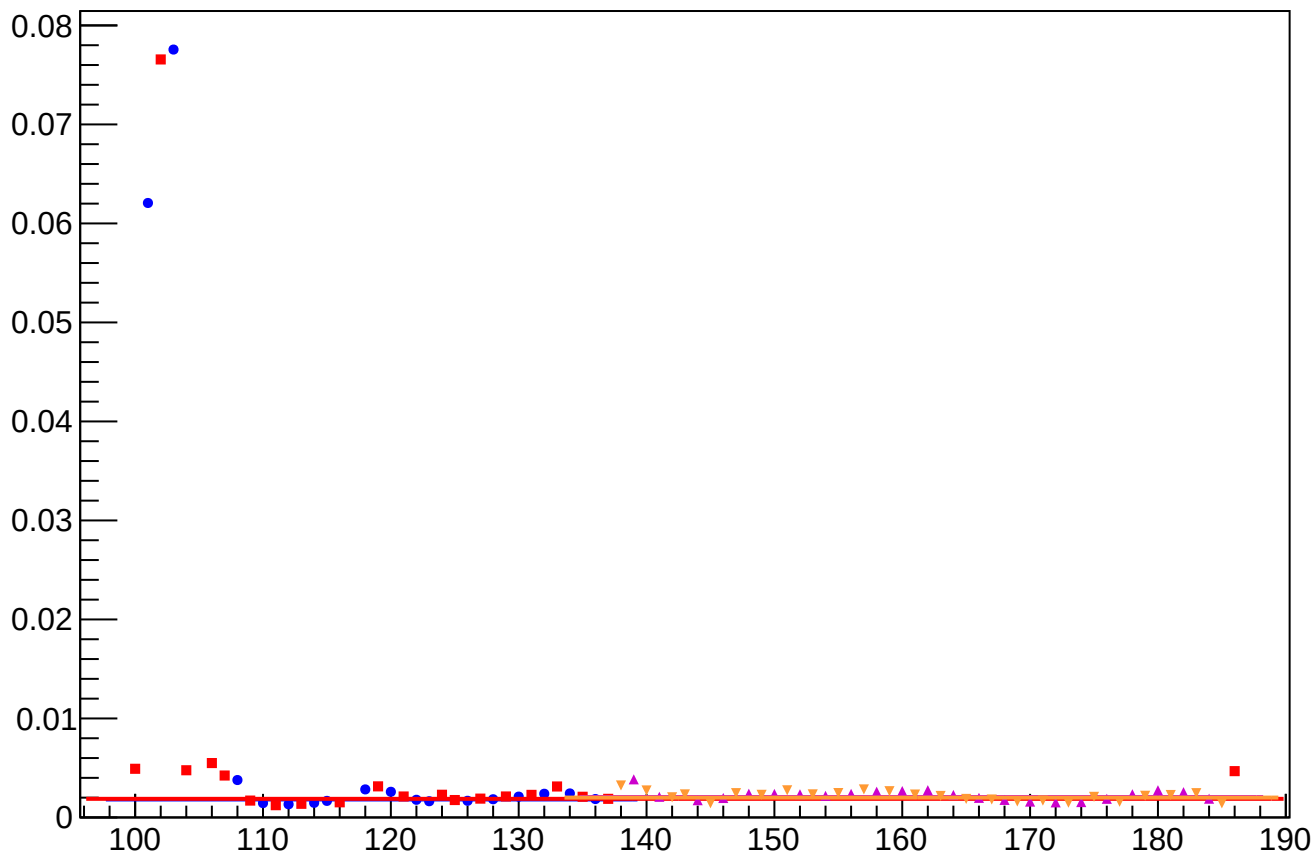
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.549 $\pm$ 0.000 χ^2 /NDF: 251799187690.6/41

All: 2.550 $\pm$ 0.000 χ^2 /NDF: 389951563141.1

- sign 2.551 $\pm$ 0.000 χ^2 /NDF: 138141694764.0/42

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2661214.8/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2586137.6/19

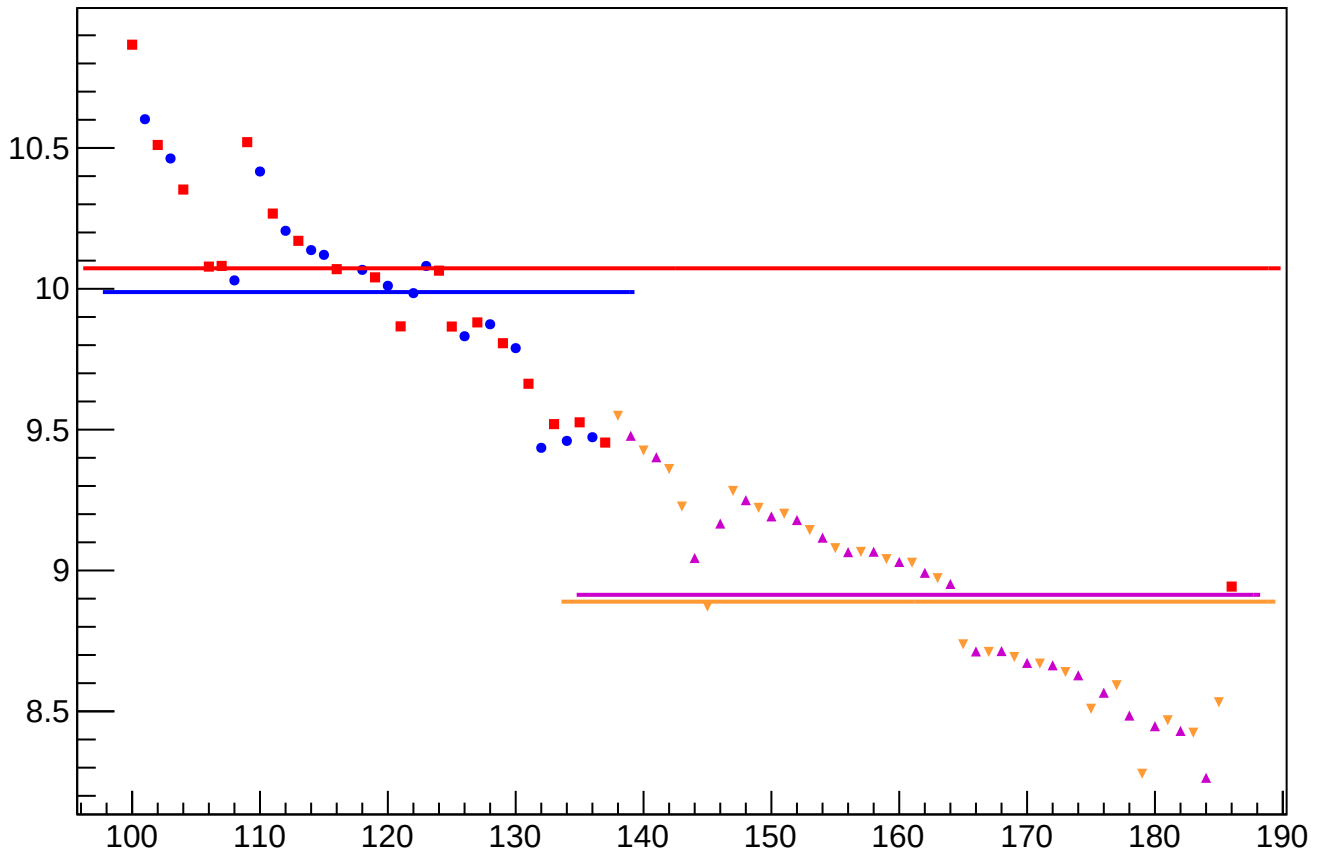
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4200694.9/41

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 8165903.2/84

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3953380.9/42

yield_sam8_mean vs Slug



Right In: 9.988 $\pm$ 0.000 χ^2 /NDF: 19058102133.2/16

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

+ sign 9.230 $\pm$ 0.000 χ^2 /NDF: 204680612221.3/41

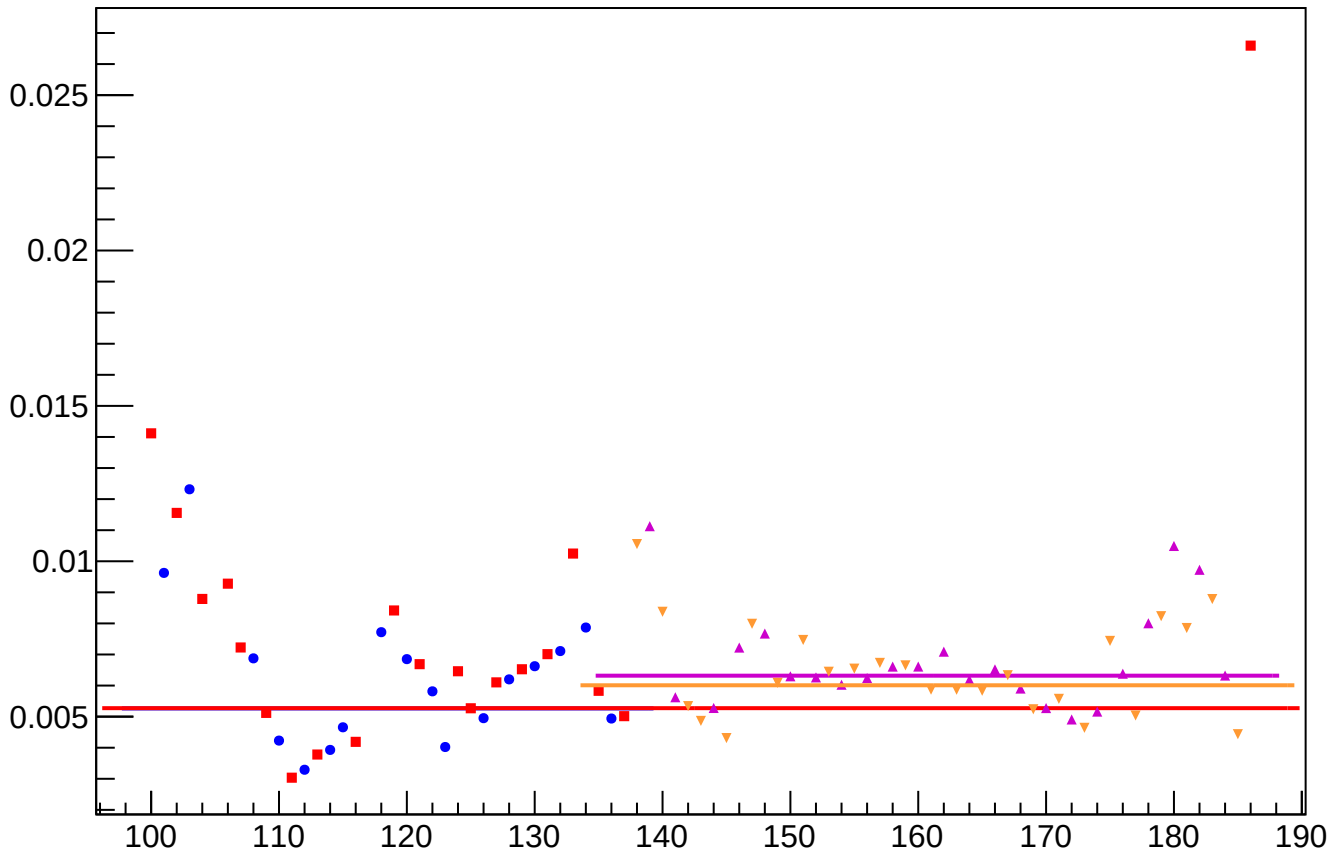
Right Out: 10.073 $\pm$ 0.000 χ^2 /NDF: 16633305462.7/19

All: 9.276 $\pm$ 0.000 χ^2 /NDF: 418717765673.0

Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

- sign 9.326 $\pm$ 0.000 χ^2 /NDF: 211480053998.3/42

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1249771.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :1312525.9/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2132002.4/19

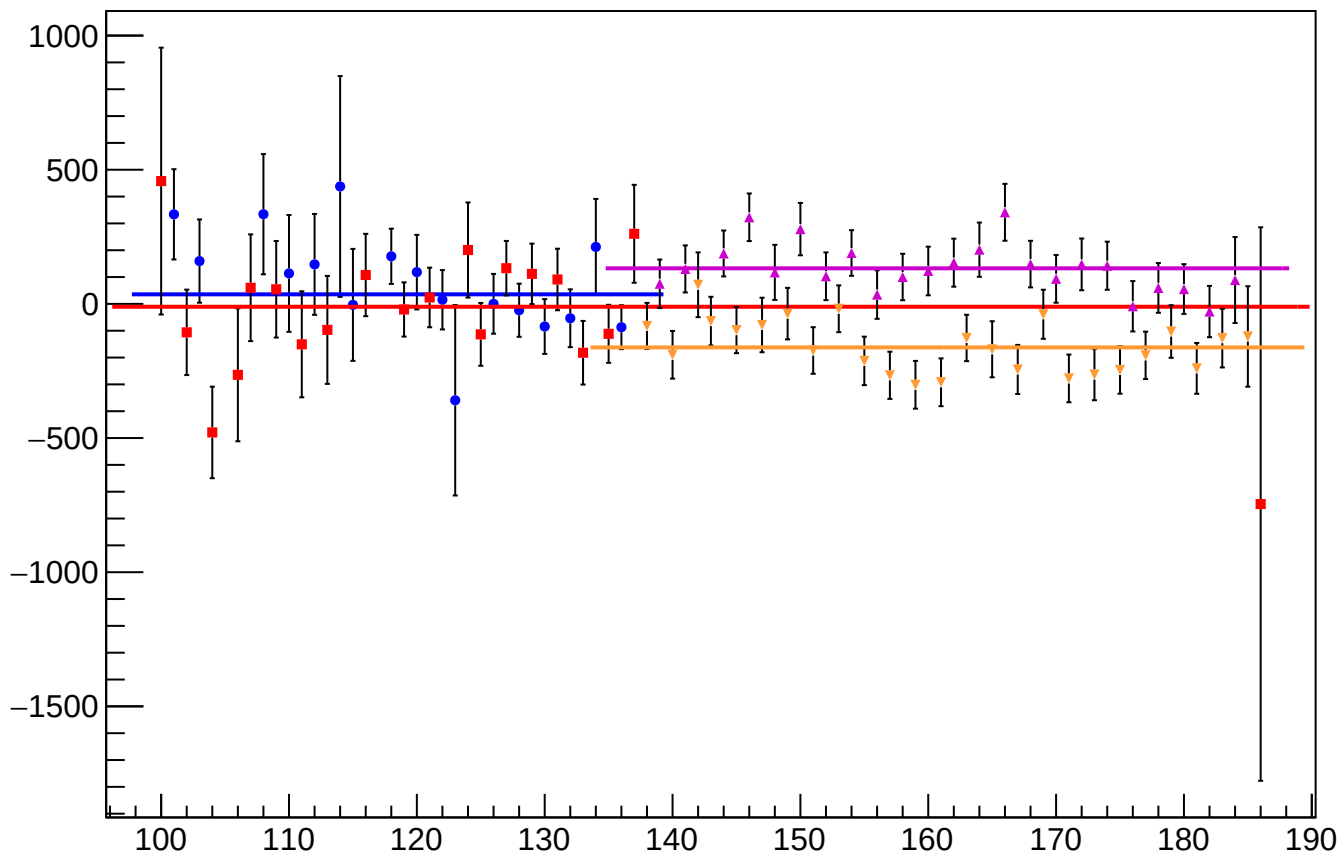
Left In: 0.006+/-0.000 χ^2/NDF :1087051.3/22

+ sign 0.006+/-0.000 χ^2/NDF : 2701098.0/41

All: 0.006+/-0.000 χ^2/NDF : 6206748.5/84

- sign 0.006+/-0.000 χ^2/NDF : 3489732.6/42

reg_asym_sam1_mean vs Slug



Right In: 35.612 ± 32.342 χ^2/NDF : 16.3/16

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -10.637 ± 32.171 χ^2/NDF : 23.3/19

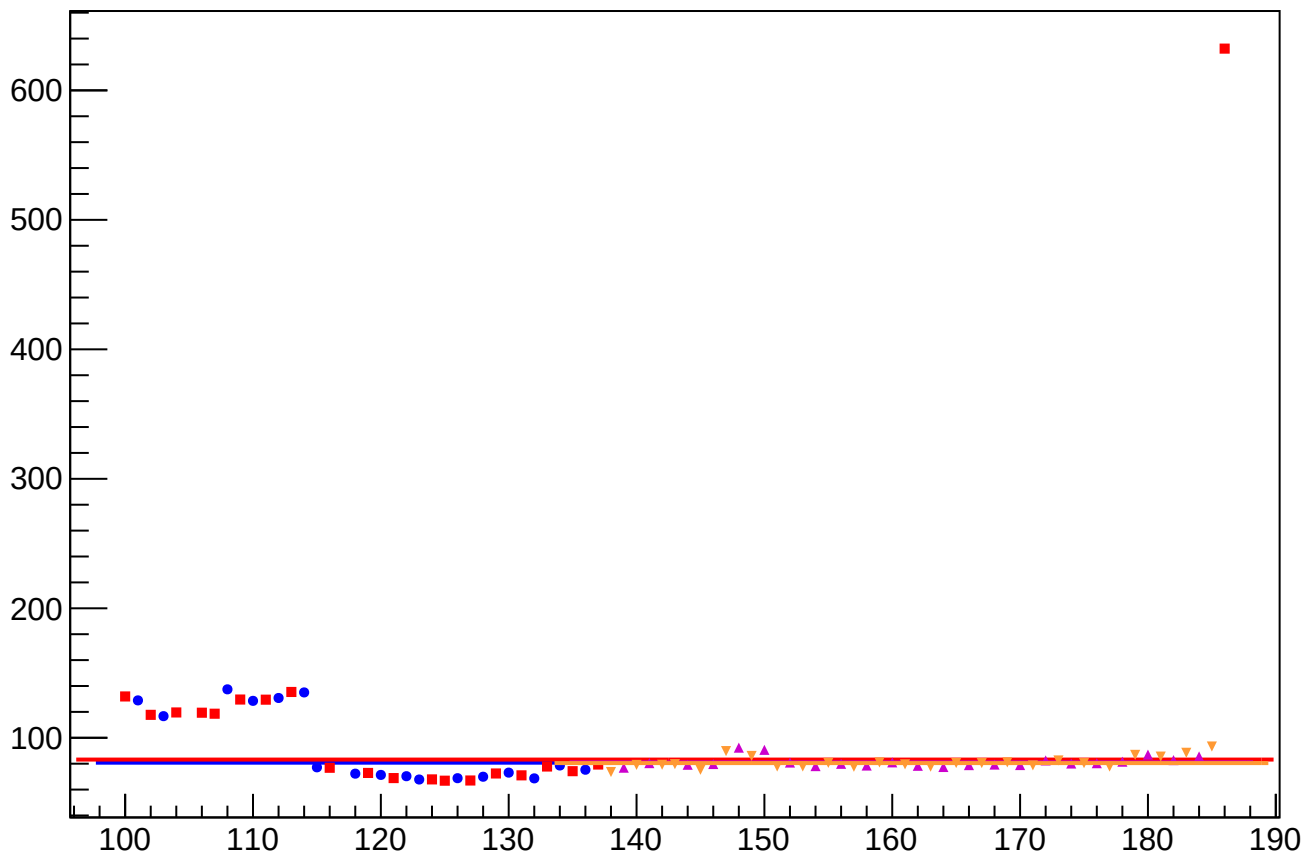
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -112.431 ± 16.218 χ^2/NDF : 70.0/41

All: -11.538 ± 11.606 χ^2/NDF : 207.9/84

- sign 94.361 ± 16.615 χ^2/NDF : 58.6/42

reg_asym_sam1_rms vs Slug



Right In: 80.781 $\pm$ 0.023 χ^2 /NDF: 807781.3/16

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 83.180 $\pm$ 0.023 χ^2 /NDF: 1475680.0/19

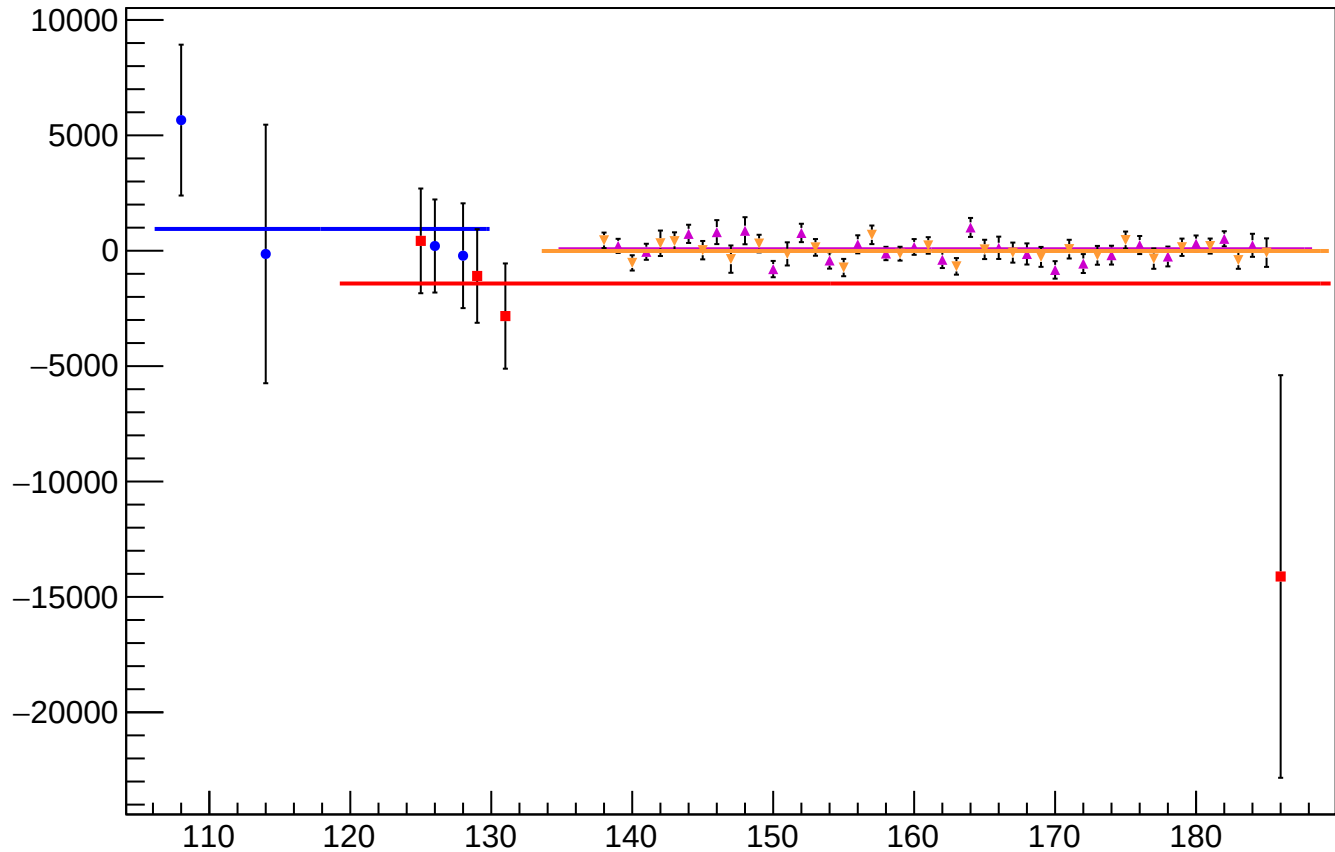
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 80.540 $\pm$ 0.011 χ^2 /NDF: 897872.1/41

All: 81.053 $\pm$ 0.008 χ^2 /NDF: 2456553.2/84

- sign 81.592 $\pm$ 0.012 χ^2 /NDF: 1554576.6/42

asym_sam1_correction_mean vs Slug



Right In: 944.622 ± 1329.889 χ^2/NDF : 2.5/3

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -1419.732 ± 1247.349 χ^2/NDF : 3.2/3

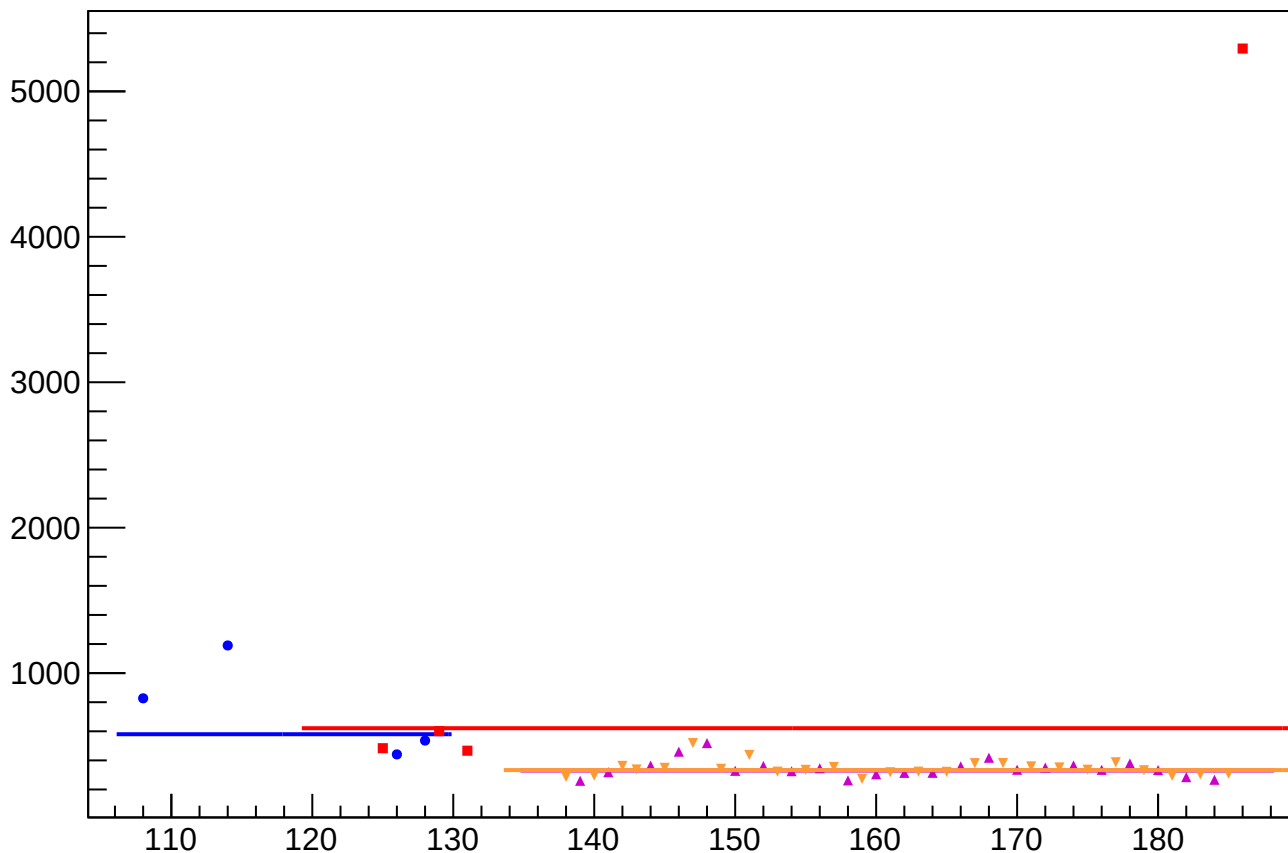
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -7.179 ± 78.255 χ^2/NDF : 25.6/28

All: 24.986 ± 55.901 χ^2/NDF : 67.9/55

- sign 58.503 ± 79.882 χ^2/NDF : 42.0/26

asym_sam1_correction_rms vs Slug



Right In: 579.917 $\pm$ 0.940 χ^2 /NDF: 45346.8/3

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 621.304 $\pm$ 0.882 χ^2 /NDF: 590757.7/3

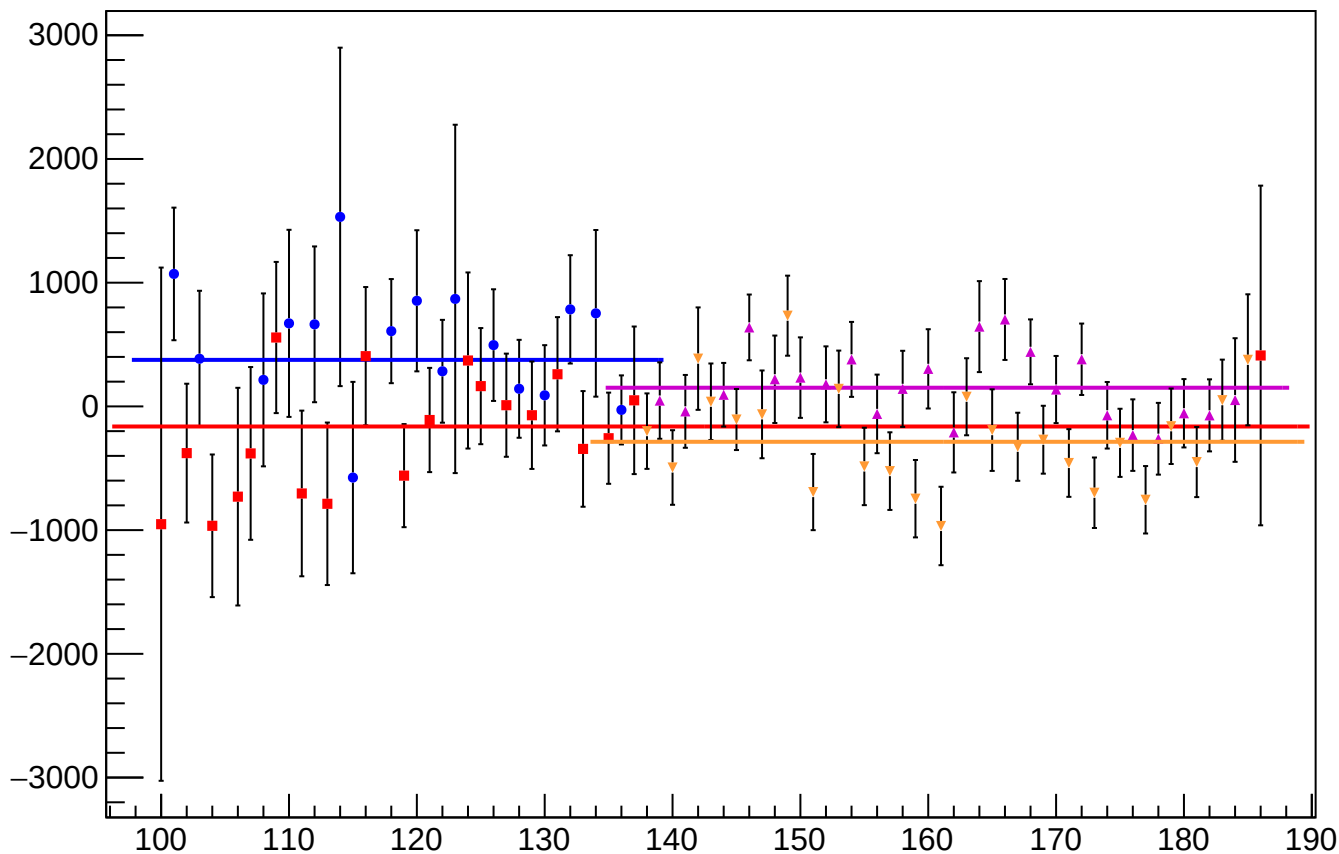
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 334.087 $\pm$ 0.055 χ^2 /NDF: 706045.5/28

All: 332.664 $\pm$ 0.040 χ^2 /NDF: 2202767.6/55

- sign 331.180 $\pm$ 0.056 χ^2 /NDF: 1495370.5/26

reg_asym_sam2_mean vs Slug



Right In: 376.077 $\pm$ 121.292 χ^2 /NDF: 9.7/16

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: -162.432 $\pm$ 120.266 χ^2 /NDF: 10.3/19

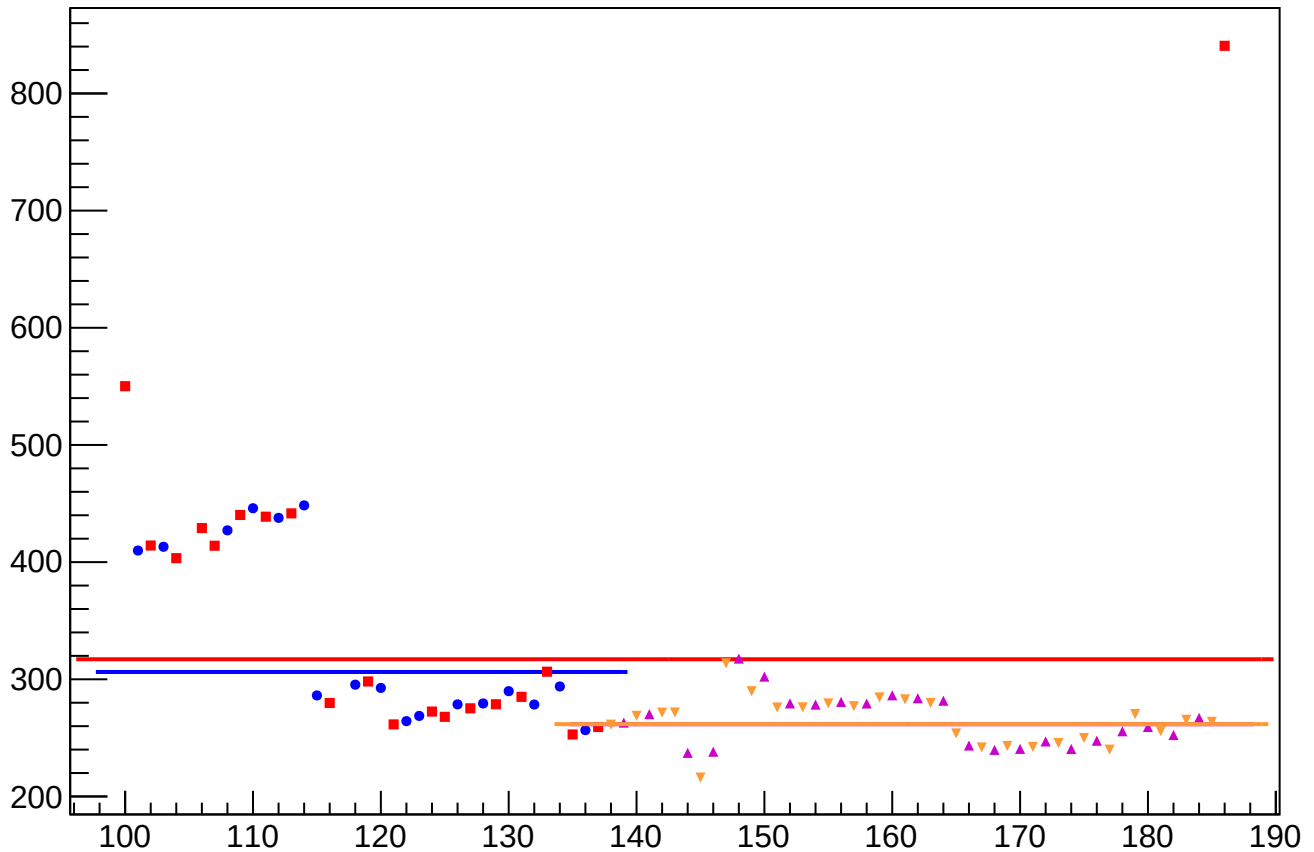
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -152.040 $\pm$ 54.564 χ^2 /NDF: 70.0/41

All: -36.530 $\pm$ 38.971 χ^2 /NDF: 113.5/84

- sign 83.755 $\pm$ 55.680 χ^2 /NDF: 34.3/42

reg_asym_sam2_rms vs Slug



Right In: 306.241 $\pm$ 0.086 χ^2 /NDF: 505092.7/16

Left Out: 261.722 $\pm$ 0.043 χ^2 /NDF: 233222.6/24

Right Out: 317.115 $\pm$ 0.085 χ^2 /NDF: 914658.8/19

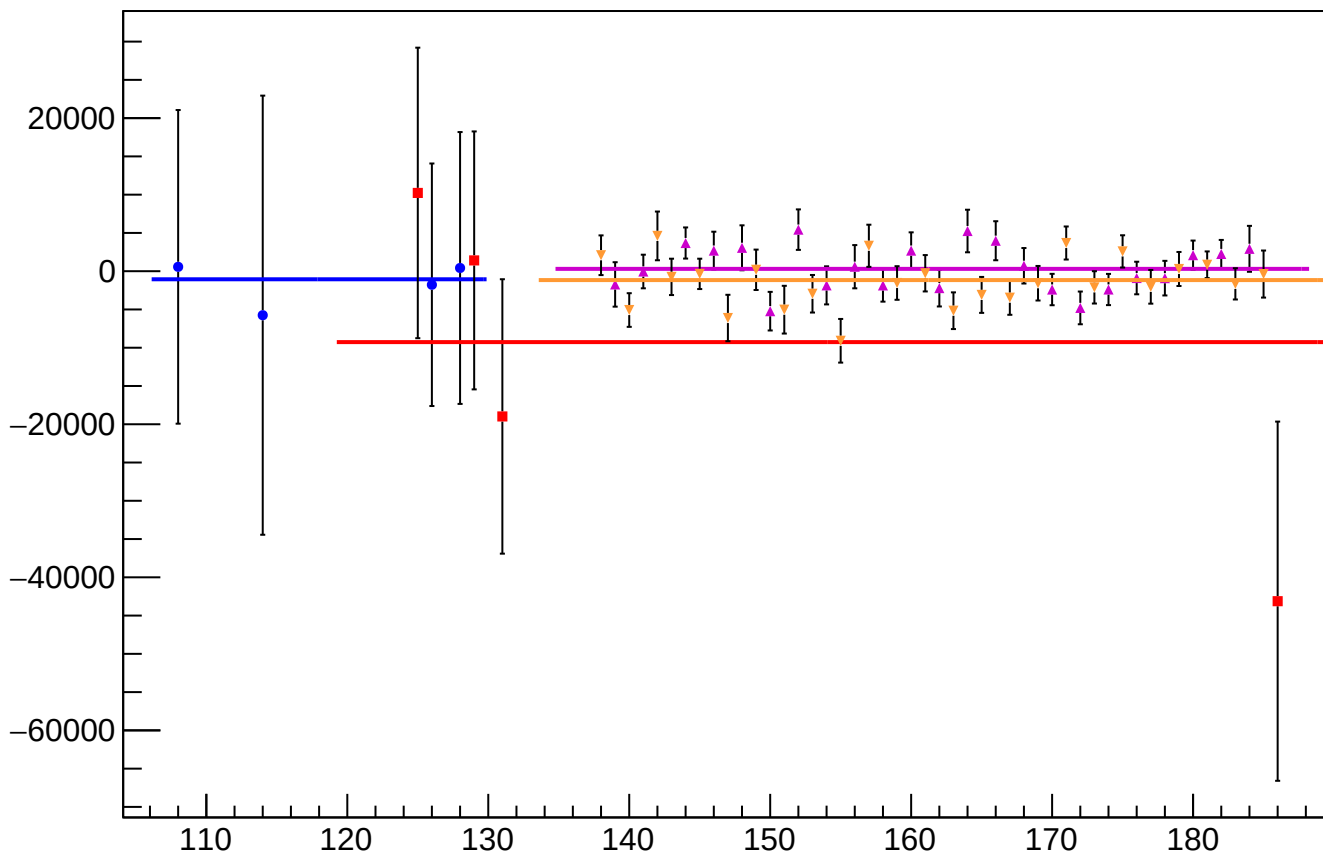
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 270.731 $\pm$ 0.039 χ^2 /NDF: 953230.8/41

All: 272.101 $\pm$ 0.028 χ^2 /NDF: 2433076.8/84

- sign 273.528 $\pm$ 0.039 χ^2 /NDF: 1477271.3/42

asym_sam2_correction_mean vs Slug



Right In: -1057.023+/-9645.185 χ^2 /NDF: 0.0/3

Left Out: -1161.443+/-469.036 χ^2 /NDF:38.8/24

Right Out: -9265.876+/-9439.536 χ^2 /NDF: 3.8/3

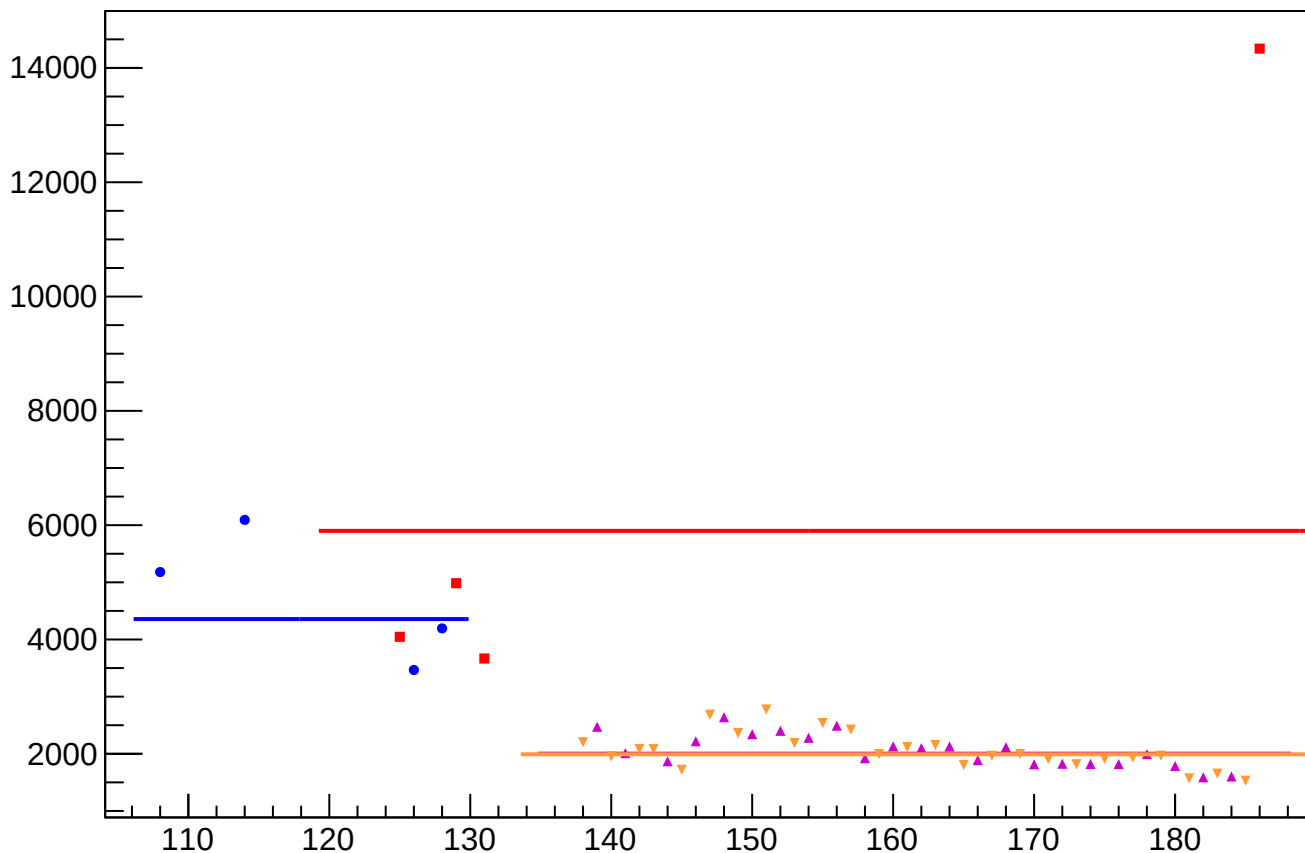
Left In: 304.366+/-483.778 χ^2 /NDF:35.4/22

+ sign -1161.196+/-468.483 χ^2 /NDF: 38.8/28

All: -463.139+/-336.331 χ^2 /NDF: 83.6/55

- sign 279.295+/-483.144 χ^2 /NDF: 40.2/26

asym_sam2_correction_rms vs Slug



Right In: 4357.248+/-6.820 χ^2/NDF : 17030.4/3

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5900.636+/-6.675 χ^2/NDF : 314540.8/3

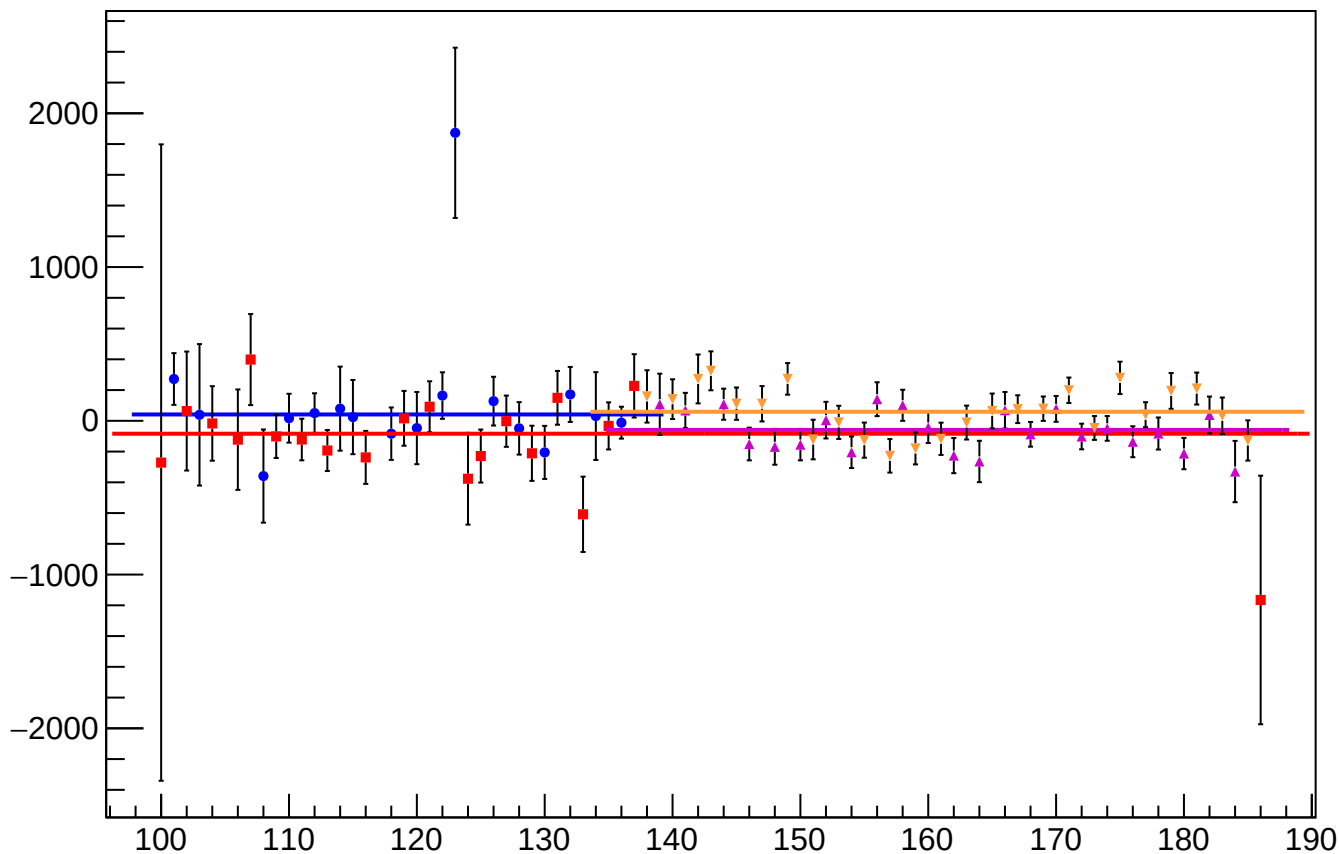
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 1996.687+/-0.331 χ^2/NDF : 863419.4/28

All: 2004.285+/-0.238 χ^2/NDF : 2105229.6/55

- sign 2012.367+/-0.342 χ^2/NDF : 1240724.5/26

reg_asym_sam3_mean vs Slug



Right In: 41.443 $\pm$ 43.633 χ^2 /NDF: 19.4/16

Left Out: 58.983 $\pm$ 21.137 χ^2 /NDF: 46.9/24

Right Out: -83.898 $\pm$ 43.151 χ^2 /NDF: 18.9/19

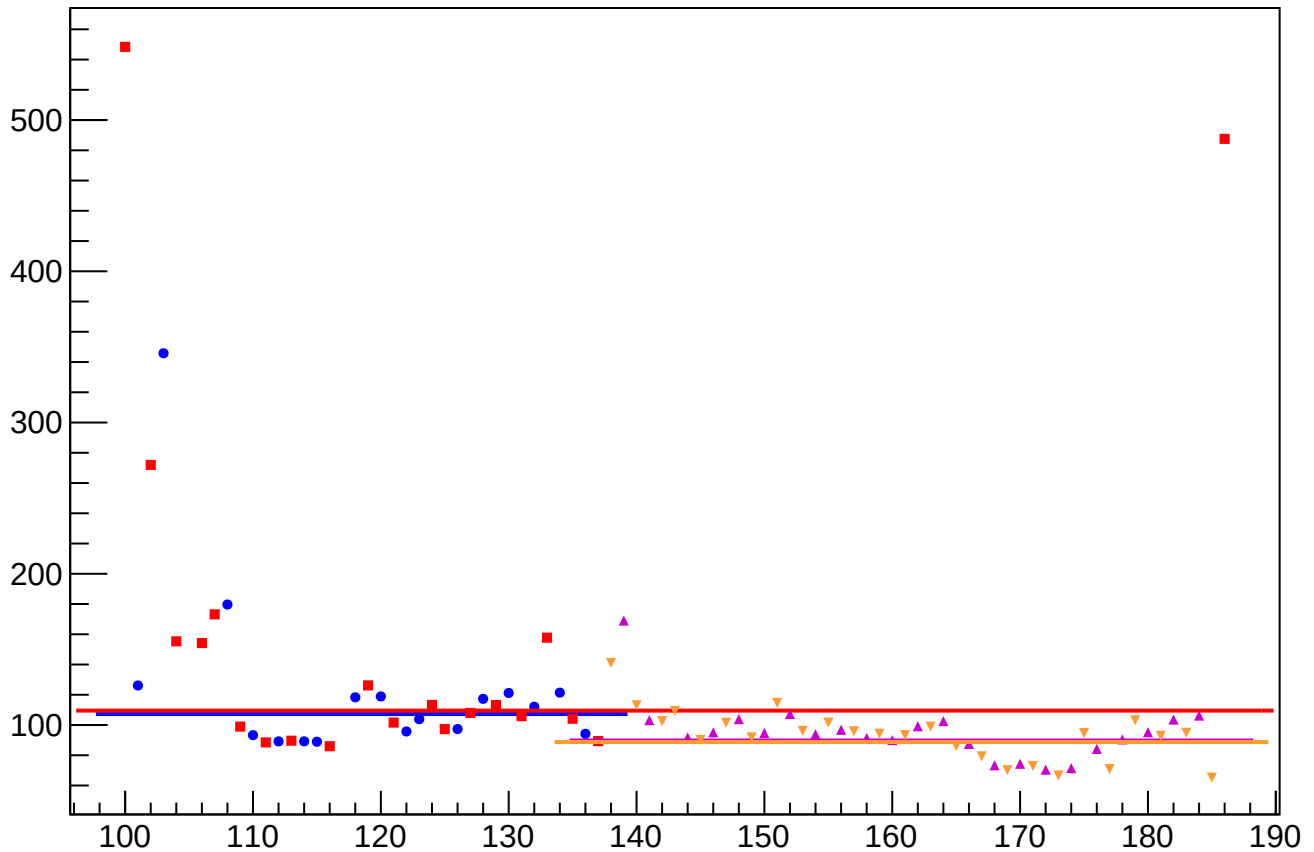
Left In: -59.235 $\pm$ 21.921 χ^2 /NDF: 29.4/22

+ sign 55.649 $\pm$ 19.023 χ^2 /NDF: 66.4/41

All: -2.702 $\pm$ 13.632 χ^2 /NDF: 134.3/84

- sign -64.294 $\pm$ 19.544 χ^2 /NDF: 48.5/42

reg_asym_sam3_rms vs Slug



Right In: 107.231 $\pm$ 0.031 χ^2 /NDF: 843493.4/16

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 109.527 $\pm$ 0.031 χ^2 /NDF: 1356208.1/19

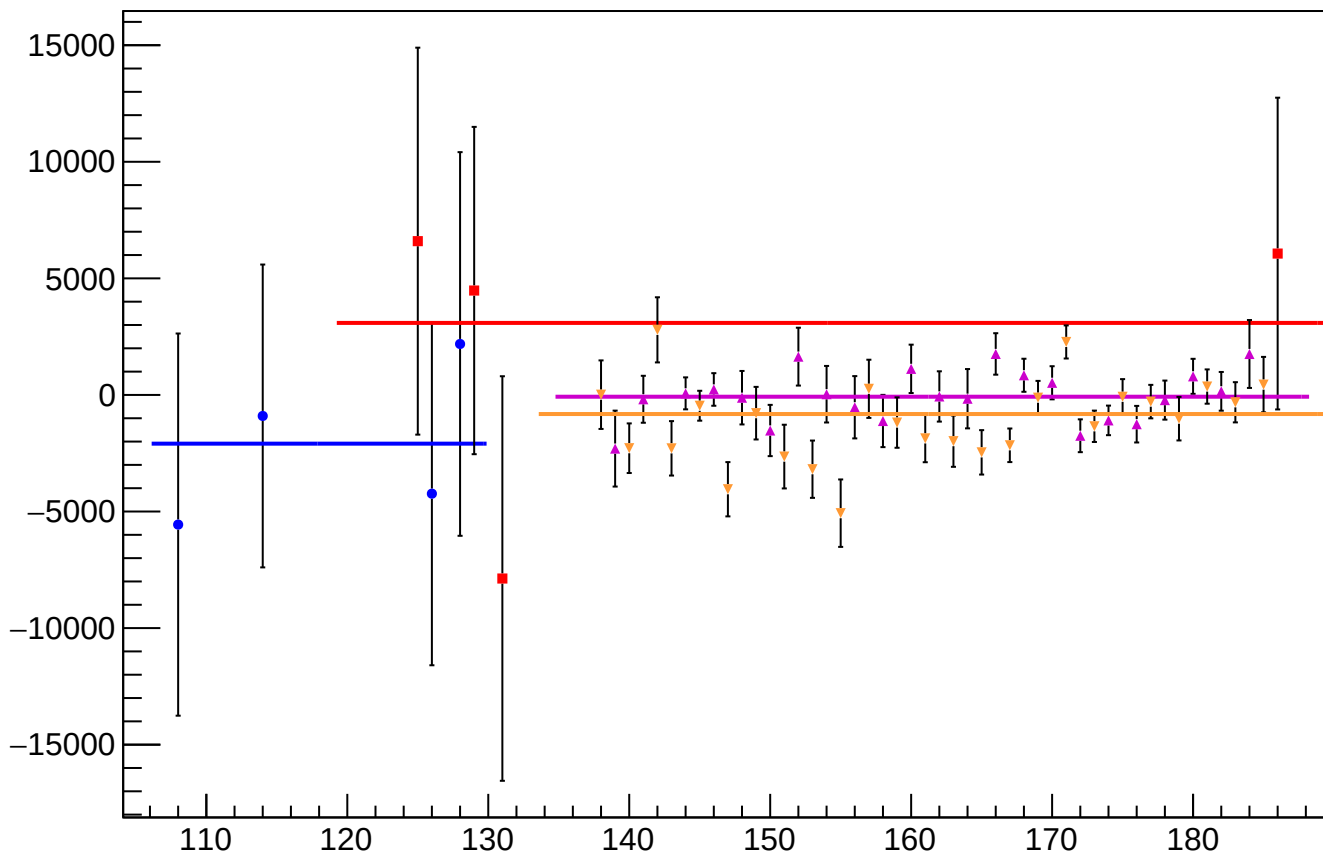
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 92.261 $\pm$ 0.013 χ^2 /NDF: 2213501.6/41

All: 93.019 $\pm$ 0.010 χ^2 /NDF: 4795454.5/84

- sign 93.819 $\pm$ 0.014 χ^2 /NDF: 2575425.3/42

asym_sam3_correction_mean vs Slug



Right In: -2089.367+/-3731.168 χ^2/NDF : 0.6/3

Left Out: -818.877+/-184.464 χ^2/NDF : 68.2/24

Right Out: 3089.101+/-3766.833 χ^2/NDF : 2.0/3

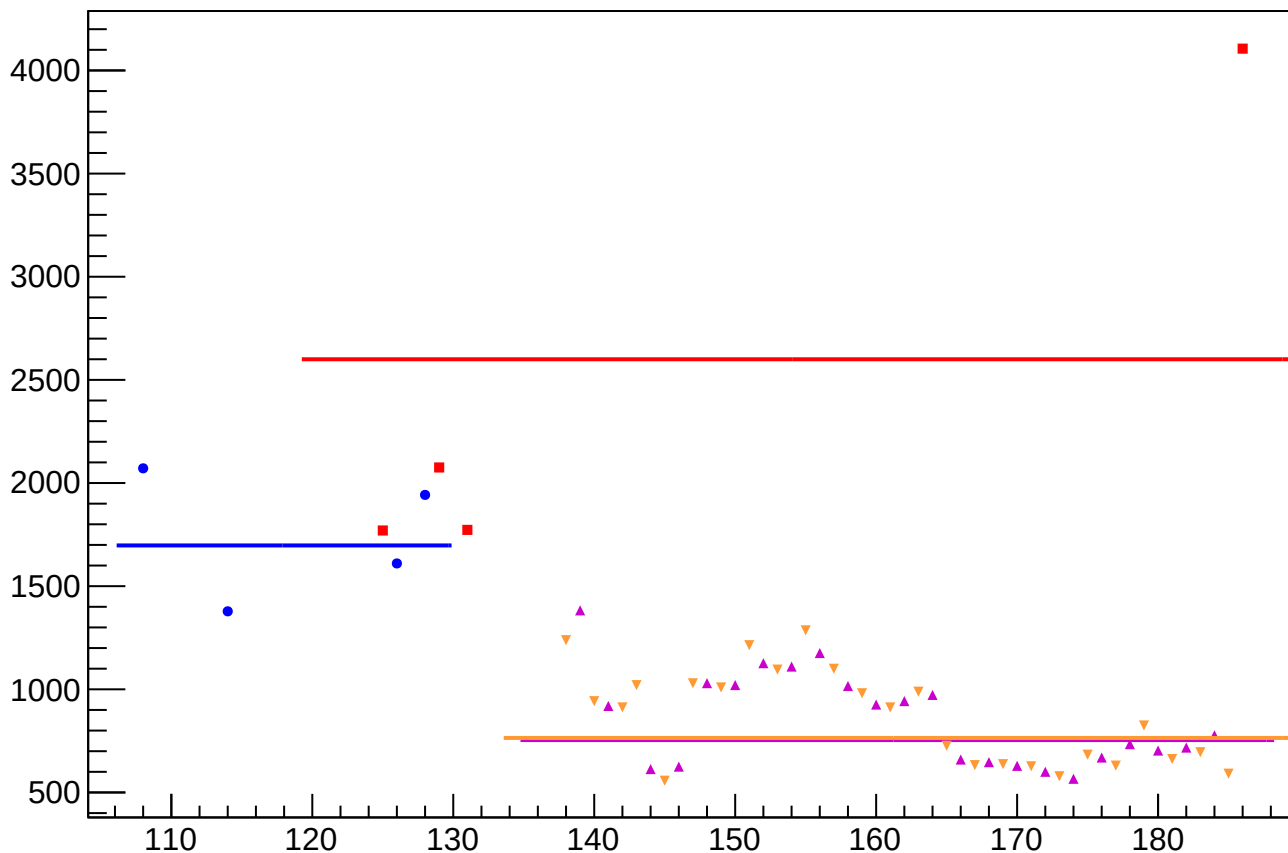
Left In: -76.204+/-186.651 χ^2/NDF : 28.3/22

+ sign -821.974+/-184.239 χ^2/NDF : 68.9/28

All: -449.651+/-131.042 χ^2/NDF : 108.2/55

- sign -68.451+/-186.422 χ^2/NDF : 31.0/26

asym_sam3_correction_rms vs Slug



Right In: 1697.477 $\pm$ 2.638 χ^2 /NDF: 11050.0/3

Left Out: 764.280 $\pm$ 0.130 χ^2 /NDF: 2315985.8/24

Right Out: 2599.953 $\pm$ 2.664 χ^2 /NDF: 150804.4/3

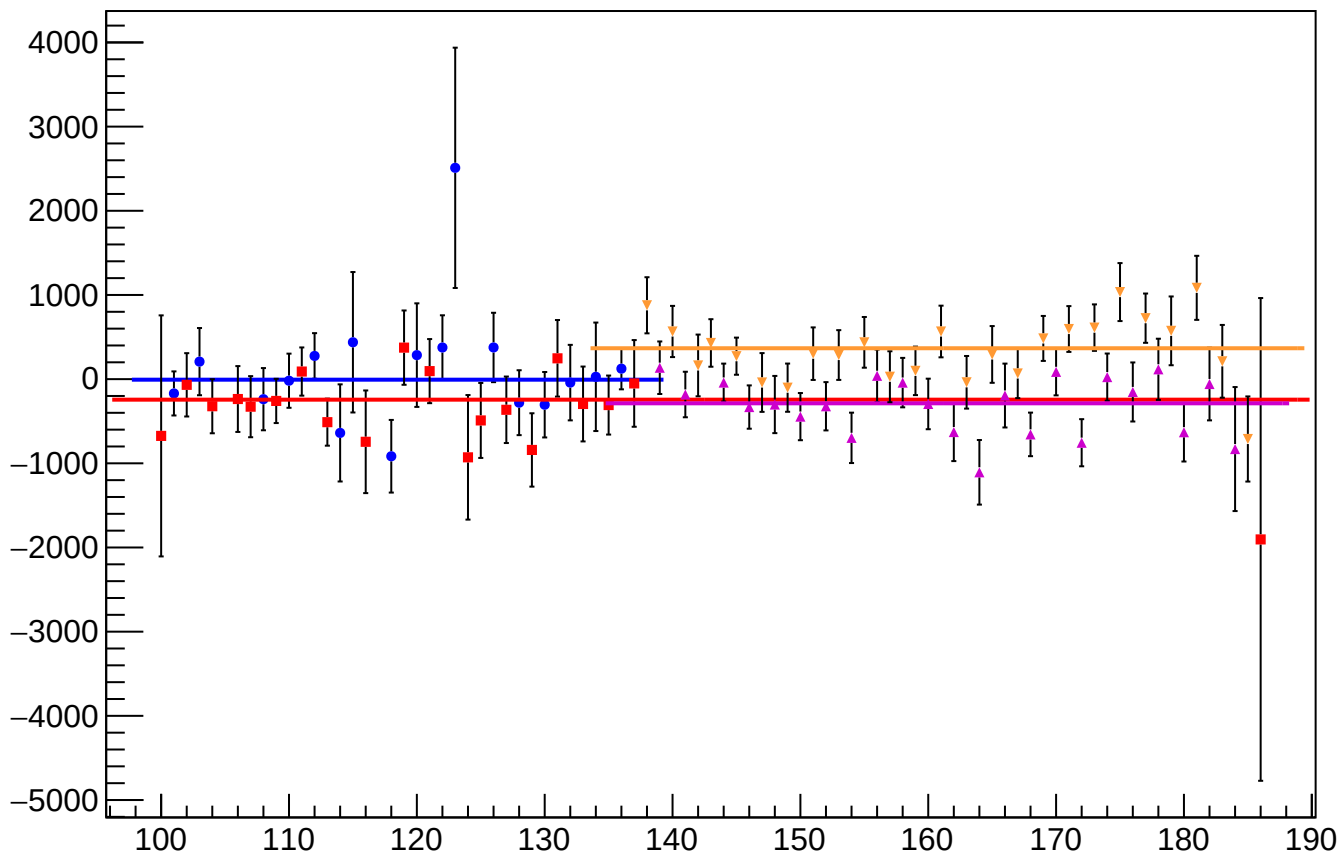
Left In: 754.027 $\pm$ 0.132 χ^2 /NDF: 2013386.7/22

+ sign 766.555 $\pm$ 0.130 χ^2 /NDF: 2451839.4/28

All: 762.599 $\pm$ 0.093 χ^2 /NDF: 5097013.4/55

- sign 758.548 $\pm$ 0.132 χ^2 /NDF: 2643307.5/26

reg_asym_sam4_mean vs Slug



Right In: -6.497 ± 93.462 χ^2/NDF : 14.7/16

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -243.849 ± 89.065 χ^2/NDF : 11.0/19

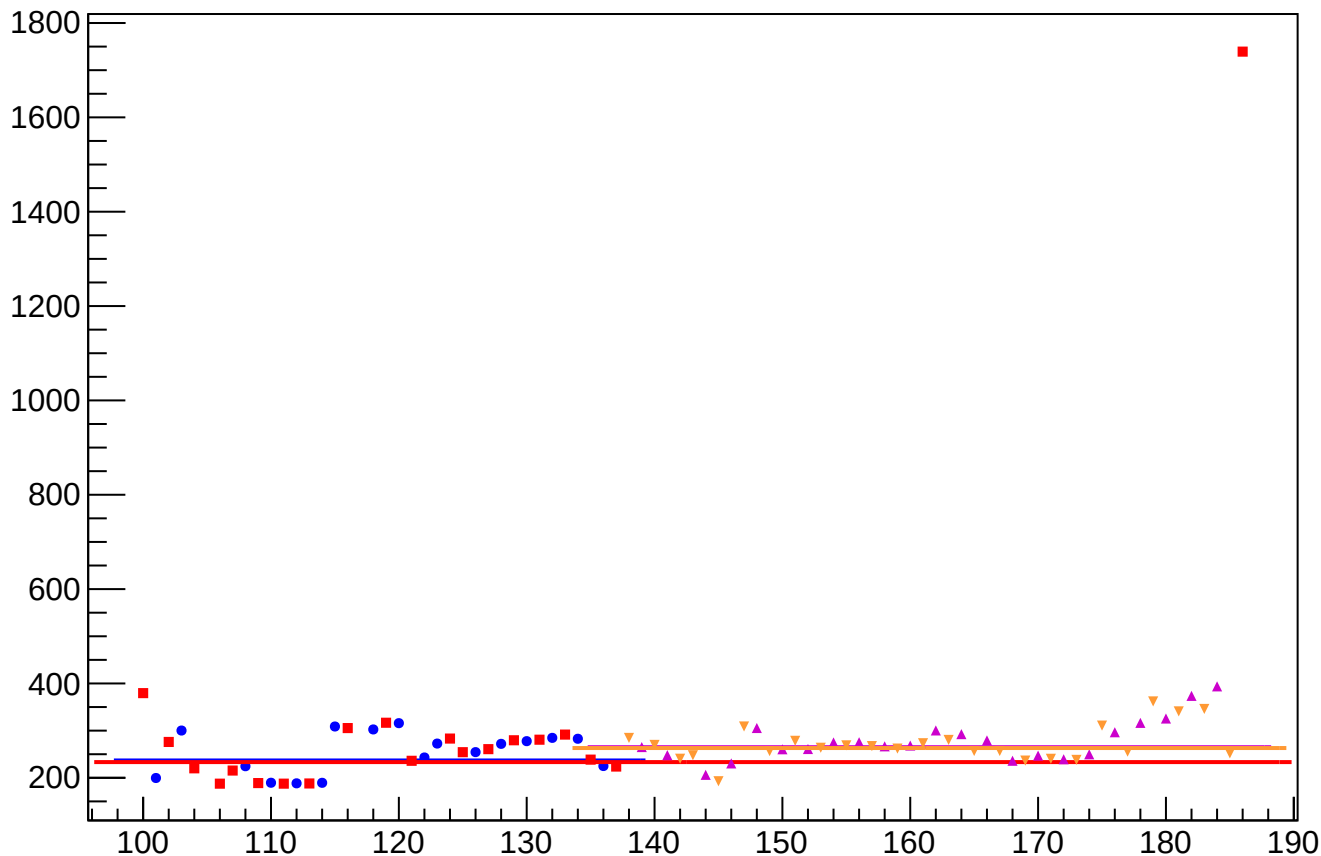
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 253.029 ± 51.633 χ^2/NDF : 54.0/41

All: -7.592 ± 36.656 χ^2/NDF : 140.4/84

- sign -272.426 ± 52.048 χ^2/NDF : 35.0/42

reg_asym_sam4_rms vs Slug



Right In: 236.750 $\pm$ 0.066 χ^2 /NDF: 390018.3/16

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 233.308 $\pm$ 0.063 χ^2 /NDF: 997301.3/19

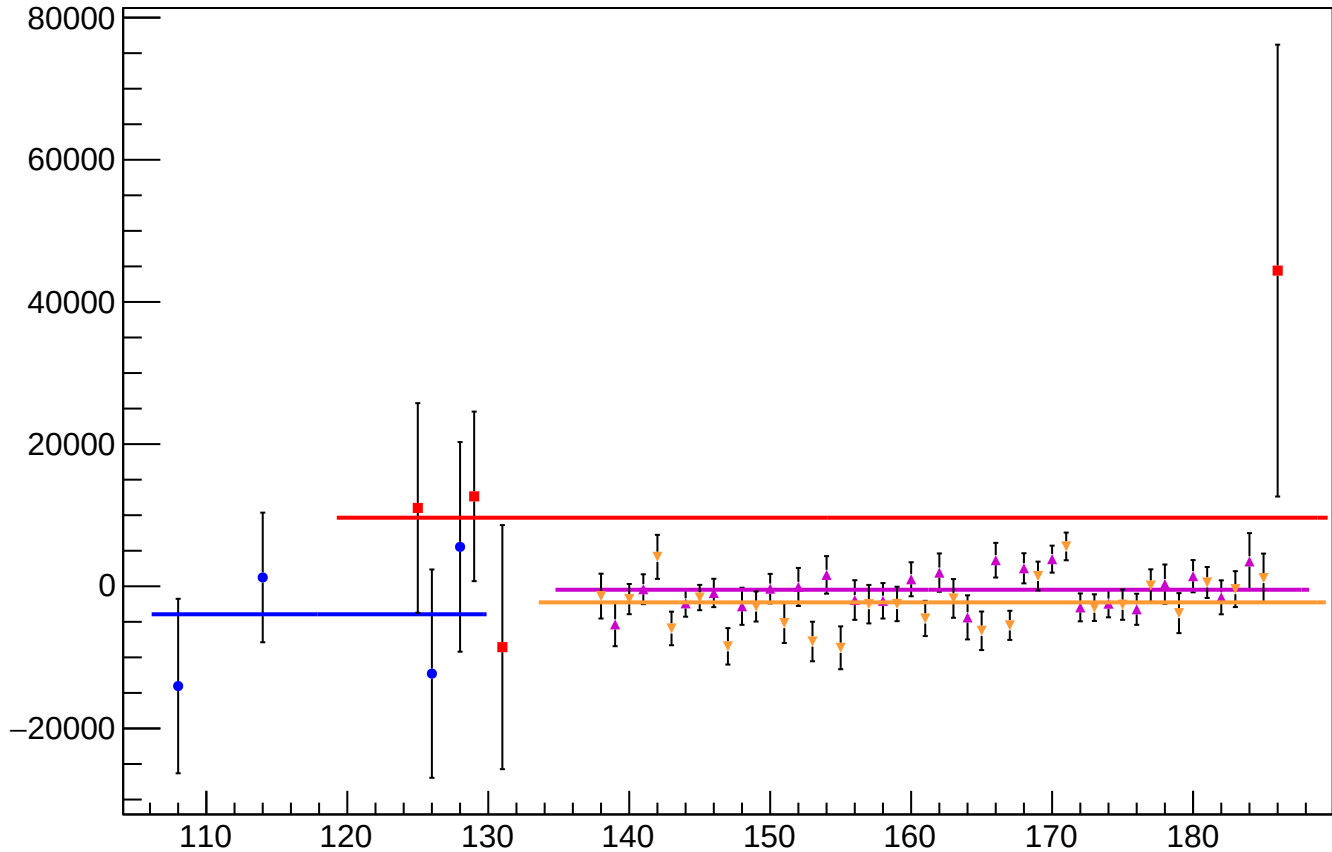
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 255.060 $\pm$ 0.037 χ^2 /NDF: 1142727.5/41

All: 254.597 $\pm$ 0.026 χ^2 /NDF: 2915324.4/84

- sign 254.126 $\pm$ 0.037 χ^2 /NDF: 1772272.4/42

asym_sam4_correction_mean vs Slug



Right In: -3937.127 ± 5984.477 $\chi^2/\text{NDF}: 1.7/3$

Left Out: -2260.196 ± 475.336 $\chi^2/\text{NDF}: 52.3/24$

Right Out: 9649.514 ± 7902.495 $\chi^2/\text{NDF}: 2.4/3$

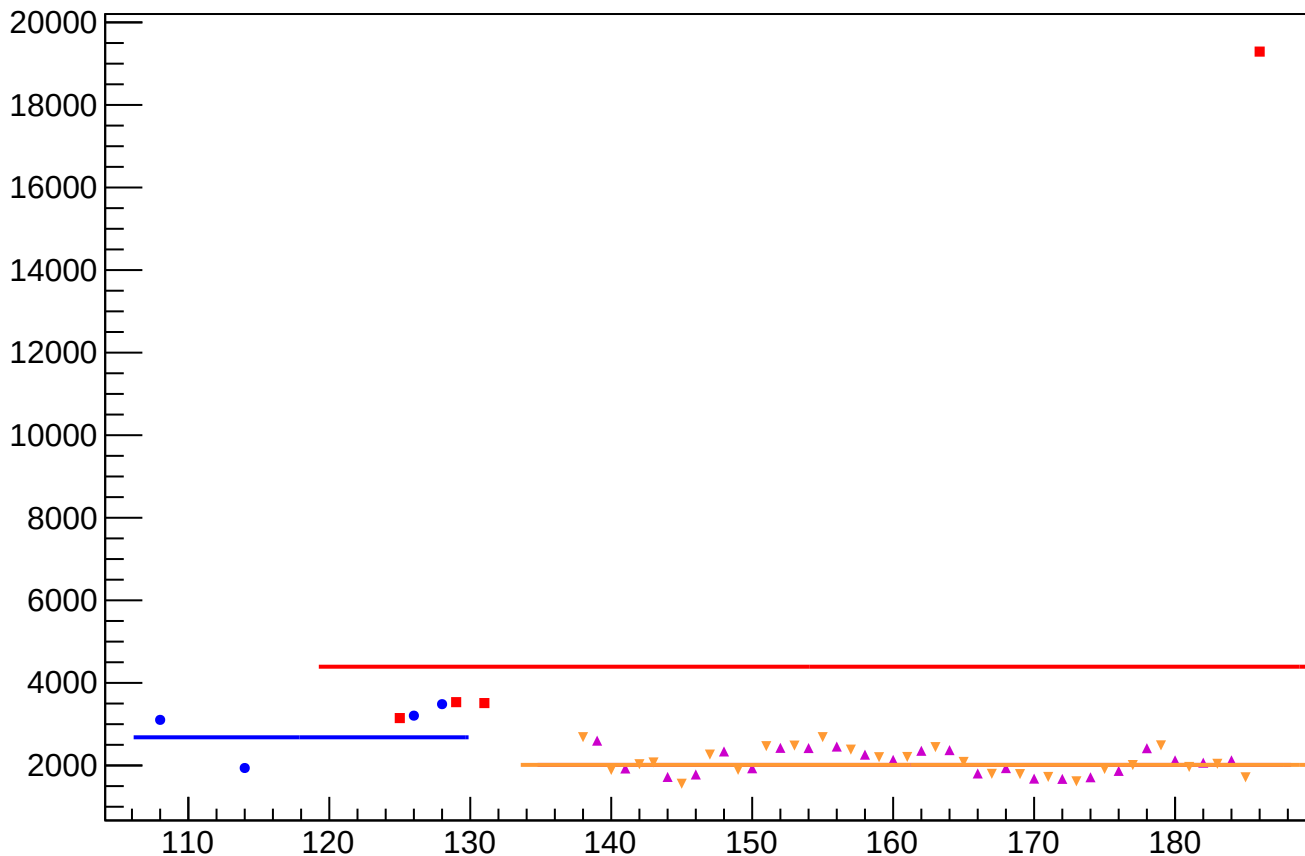
Left In: -485.590 ± 487.465 $\chi^2/\text{NDF}: 24.8/22$

+ sign -2270.709 ± 473.843 $\chi^2/\text{NDF}: 54.1/28$

All: -1383.046 ± 339.458 $\chi^2/\text{NDF}: 90.1/55$

- sign -447.172 ± 486.541 $\chi^2/\text{NDF}: 28.8/26$

asym_sam4_correction_rms vs Slug



Right In: 2682.064 $\pm$ 4.232 χ^2 /NDF: 24157.5/3

Left Out: 2014.106 $\pm$ 0.336 χ^2 /NDF: 835656.9/24

Right Out: 4392.298 $\pm$ 5.588 χ^2 /NDF: 469419.8/3

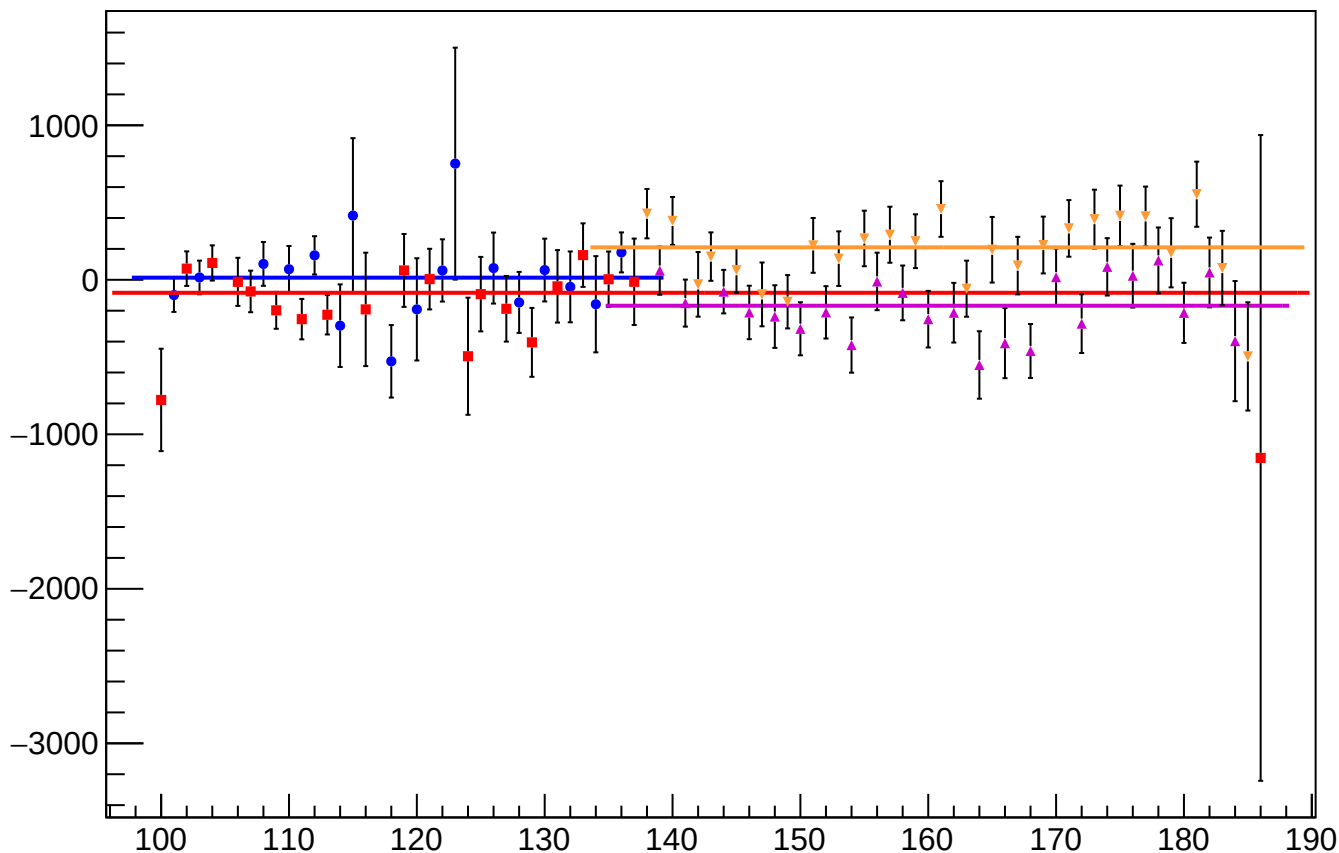
Left In: 2013.245 $\pm$ 0.345 χ^2 /NDF: 662077.8/22

+ sign 2018.293 $\pm$ 0.335 χ^2 /NDF: 884574.1/28

All: 2020.226 $\pm$ 0.240 χ^2 /NDF: 2196716.2/55

- sign 2022.263 $\pm$ 0.344 χ^2 /NDF: 1312073.7/26

reg_asym_sam5_mean vs Slug



Right In: 13.853 ± 42.364 $\chi^2/\text{NDF}: 14.4/16$

Left Out: 210.086 ± 37.093 $\chi^2/\text{NDF}: 27.5/24$

Right Out: -84.016 ± 39.030 $\chi^2/\text{NDF}: 19.4/19$

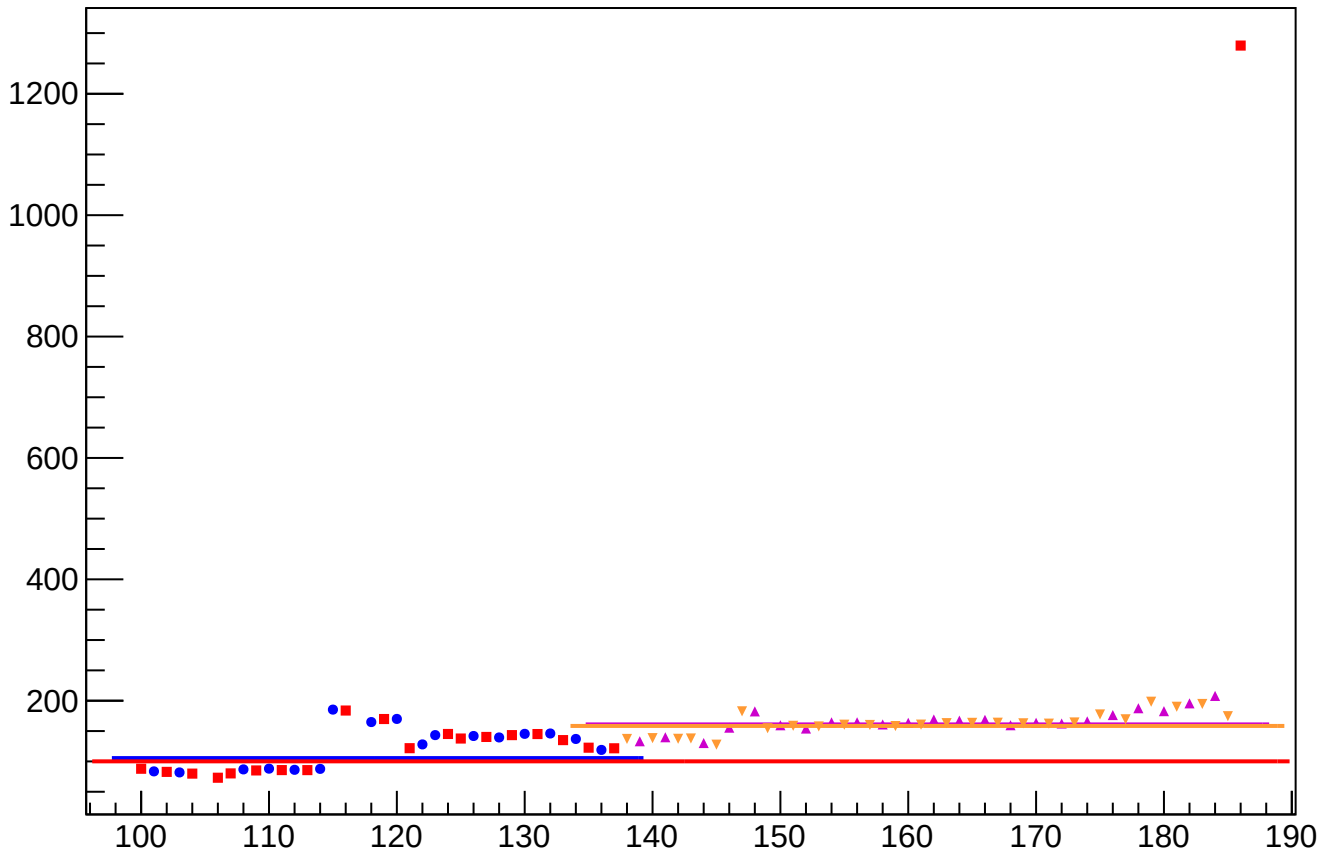
Left In: -167.822 ± 38.718 $\chi^2/\text{NDF}: 21.1/22$

+ sign 124.929 ± 27.907 $\chi^2/\text{NDF}: 54.1/41$

All: -2.569 ± 19.583 $\chi^2/\text{NDF}: 138.1/84$

- sign -126.256 ± 27.487 $\chi^2/\text{NDF}: 42.9/42$

reg_asym_sam5_rms vs Slug



Right In: 105.470 $\pm$ 0.030 χ^2 /NDF: 870293.2/16

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 100.106 $\pm$ 0.028 χ^2 /NDF: 1637917.5/19

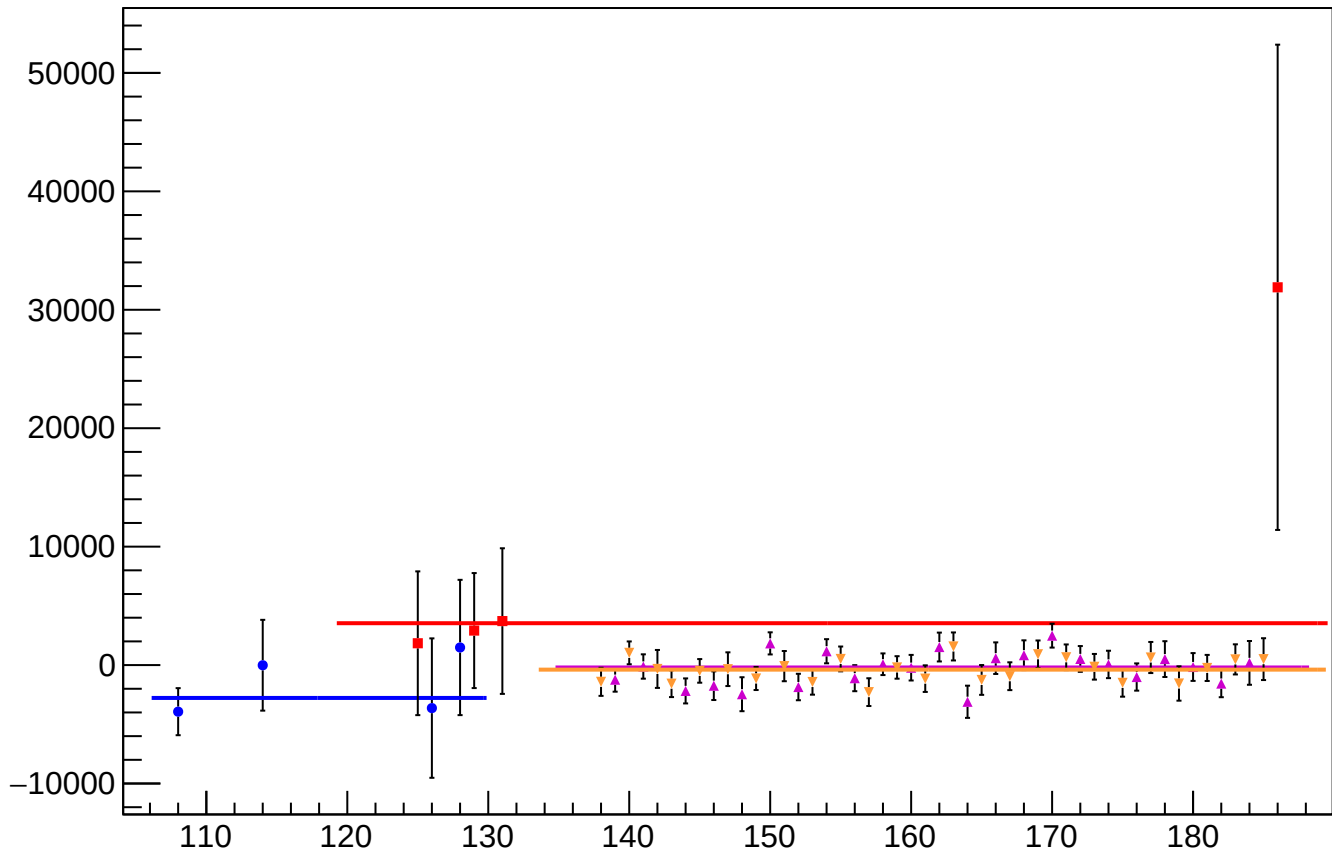
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.453 $\pm$ 0.020 χ^2 /NDF: 3074485.6/41

All: 133.077 $\pm$ 0.014 χ^2 /NDF: 7570155.1/84

- sign 130.771 $\pm$ 0.019 χ^2 /NDF: 4467092.3/42

asym_sam5_correction_mean vs Slug



Right In: -2774.520 ± 1620.377 χ^2/NDF : 1.4/3

Left Out: -385.018 ± 231.833 χ^2/NDF : 18.1/24

Right Out: 3535.466 ± 3187.767 χ^2/NDF : 2.0/3

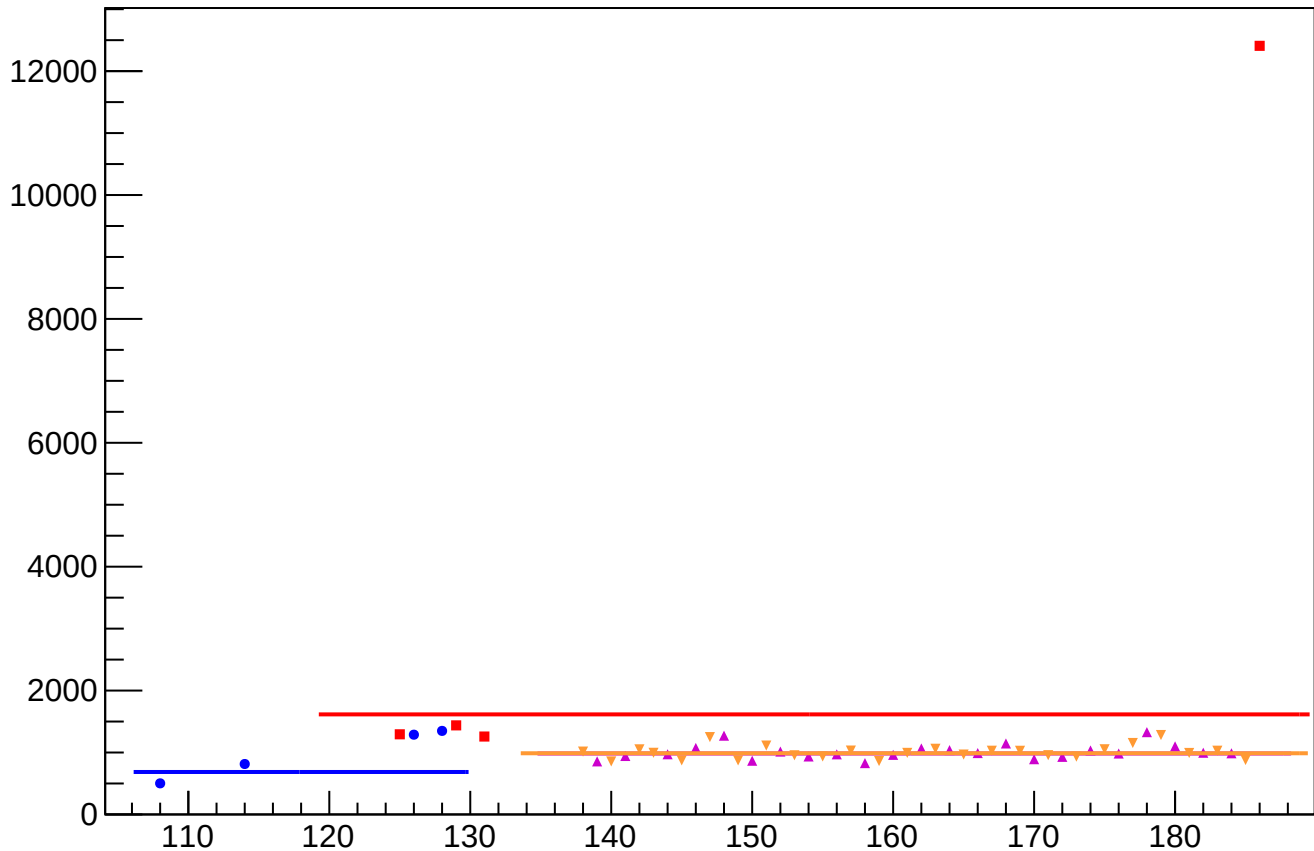
Left In: -202.234 ± 237.460 χ^2/NDF : 35.5/22

+ sign -432.950 ± 229.496 χ^2/NDF : 21.6/28

All: -311.217 ± 164.801 χ^2/NDF : 61.1/55

- sign -181.608 ± 236.803 χ^2/NDF : 38.9/26

asym_sam5_correction_rms vs Slug



Right In: 685.658+/-1.146 χ^2/NDF : 67240.3/3

Left Out: 987.869+/-0.164 χ^2/NDF : 376958.5/24

Right Out: 1615.512+/-2.254 χ^2/NDF : 570115.1/3

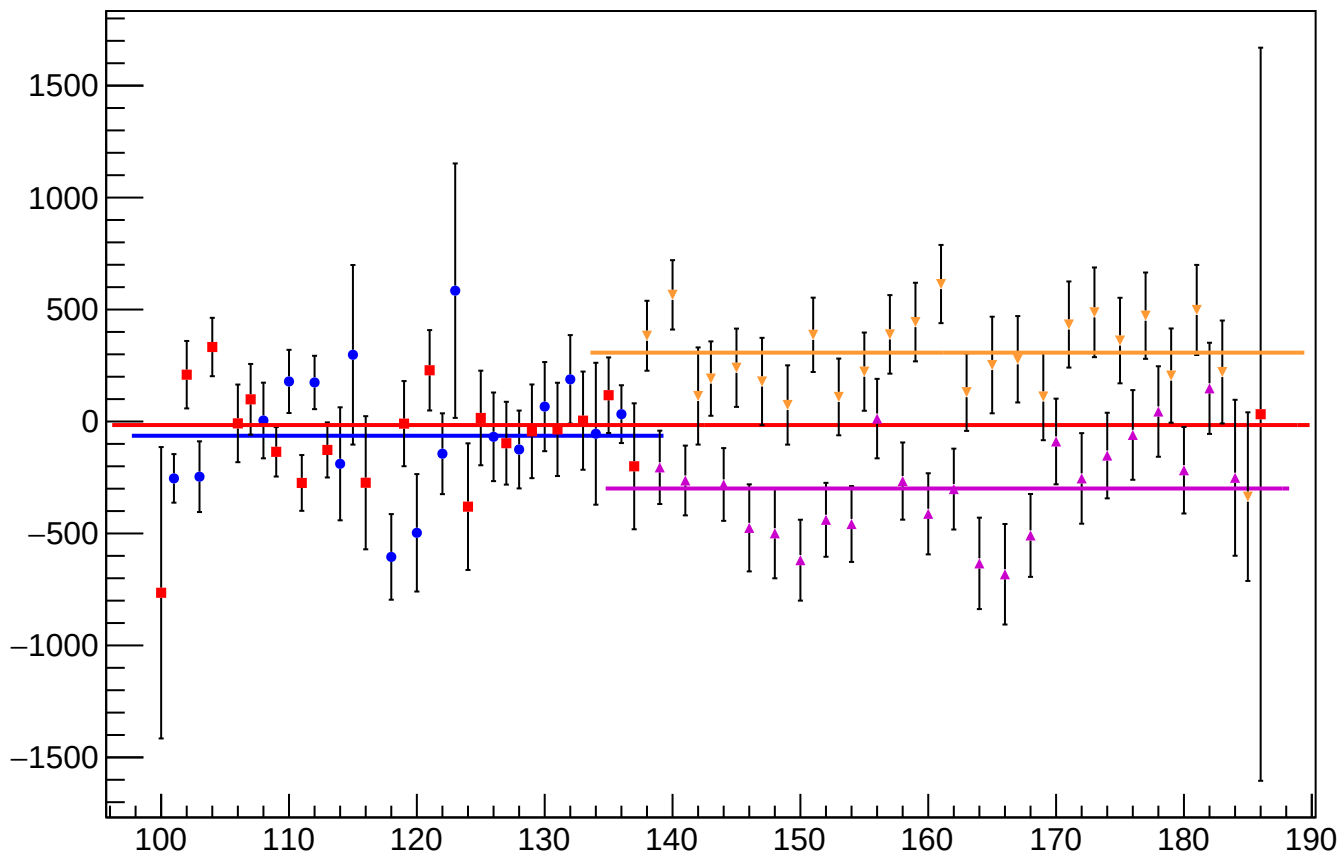
Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

+ sign 981.807+/-0.162 χ^2/NDF : 512372.8/28

All: 984.505+/-0.117 χ^2/NDF : 1577409.0/55

- sign 987.379+/-0.167 χ^2/NDF : 1064465.2/26

reg_asym_sam6_mean vs Slug



Right In: -63.627 ± 42.336 $\chi^2/\text{NDF}: 27.6/16$

Left Out: 307.487 ± 37.278 $\chi^2/\text{NDF}: 20.7/24$

Right Out: -15.831 ± 39.520 $\chi^2/\text{NDF}: 23.1/19$

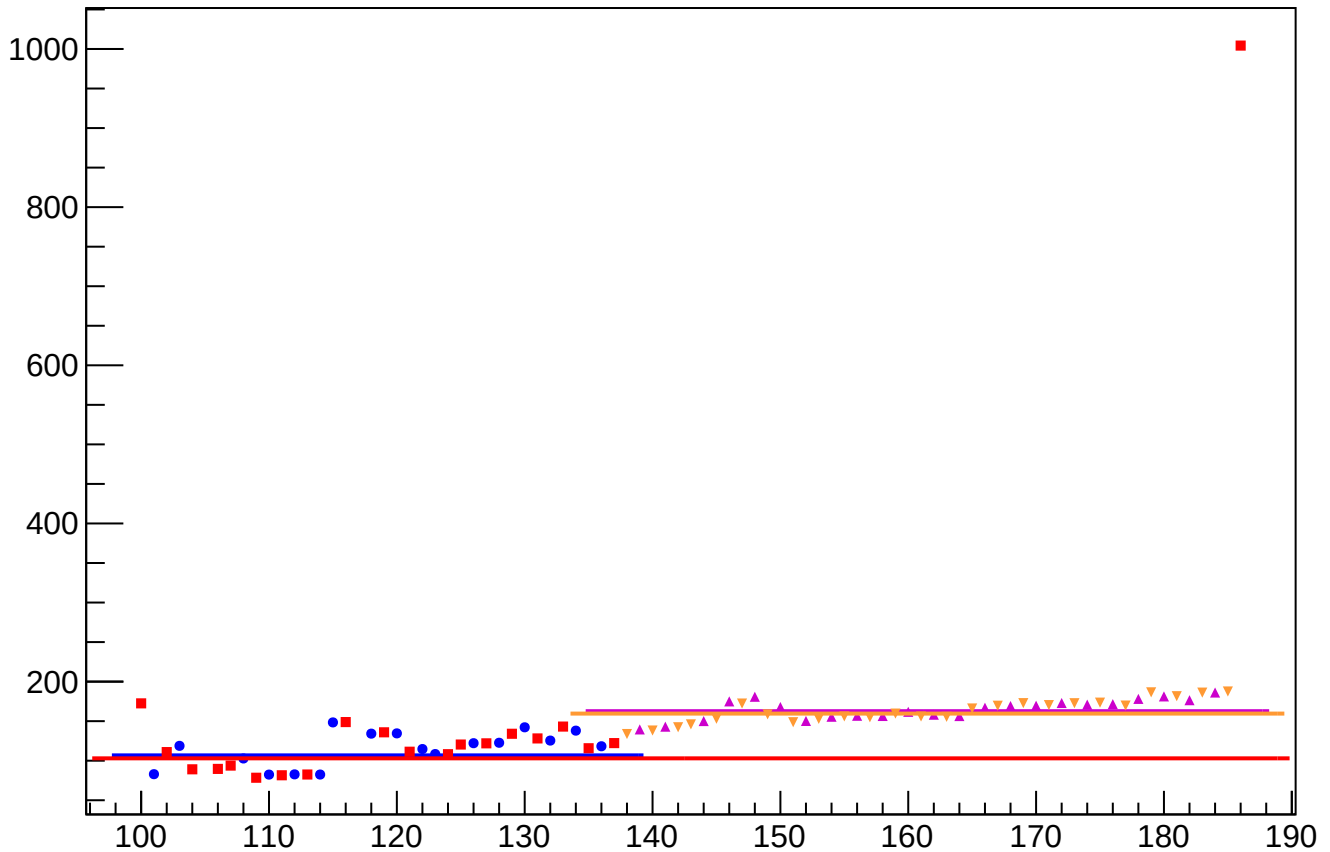
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 145.415 ± 27.978 $\chi^2/\text{NDF}: 91.5/41$

All: -8.147 ± 19.707 $\chi^2/\text{NDF}: 229.0/84$

- sign -159.356 ± 27.763 $\chi^2/\text{NDF}: 77.7/42$

reg_asym_sam6_rms vs Slug



Right In: 106.733 $\pm$ 0.030 χ^2 /NDF: 503149.3/16

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 102.977 $\pm$ 0.028 χ^2 /NDF: 1197678.8/19

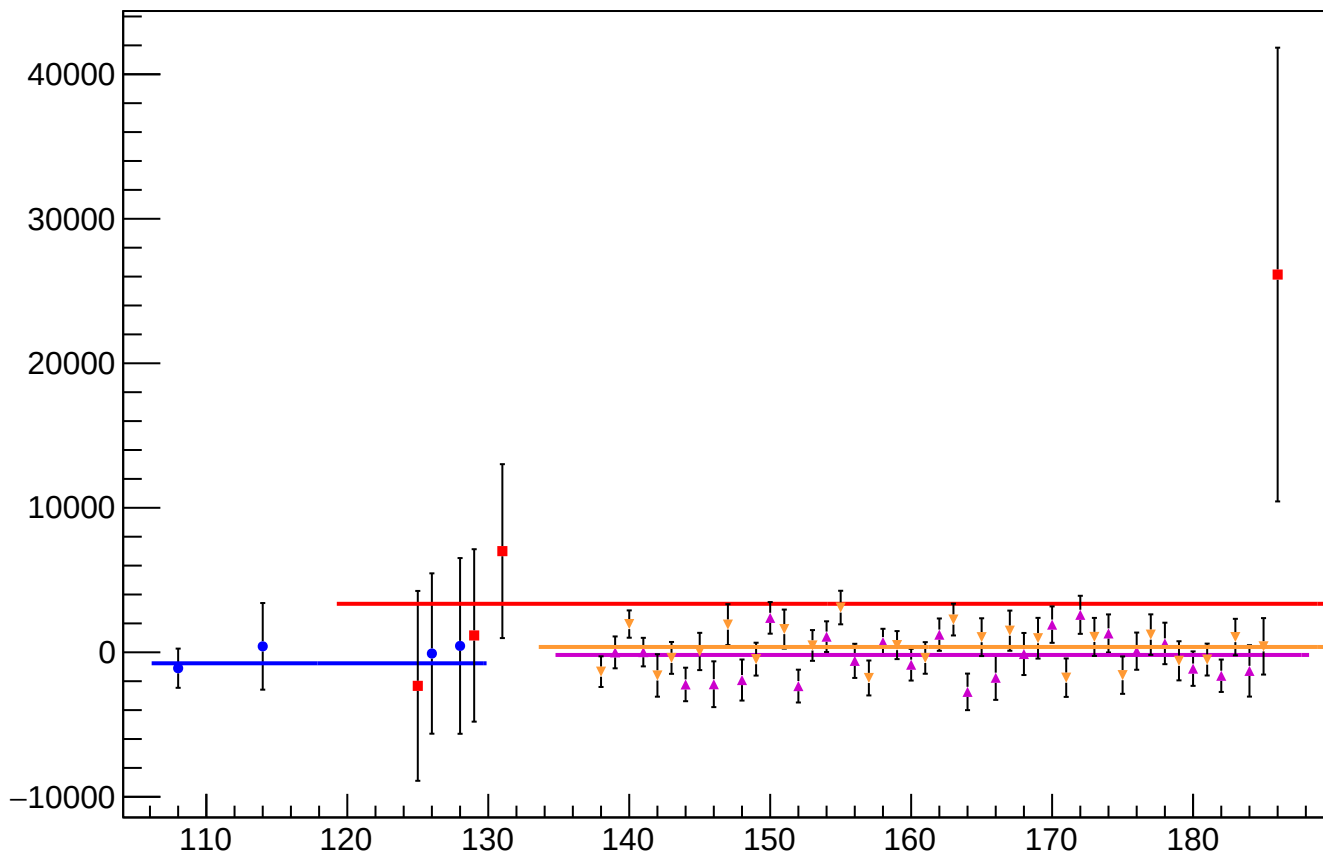
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 136.494 $\pm$ 0.020 χ^2 /NDF: 2545491.3/41

All: 134.824 $\pm$ 0.014 χ^2 /NDF: 6263050.0/84

- sign 133.180 $\pm$ 0.020 χ^2 /NDF: 3703416.3/42

asym_sam6_correction_mean vs Slug



Right In: -760.095+/-1183.340 χ^2/NDF : 0.3/3

Left Out: 370.001+/-243.521 χ^2/NDF : 30.5/24

Right Out: 3356.740+/-3472.430 χ^2/NDF : 3.4/3

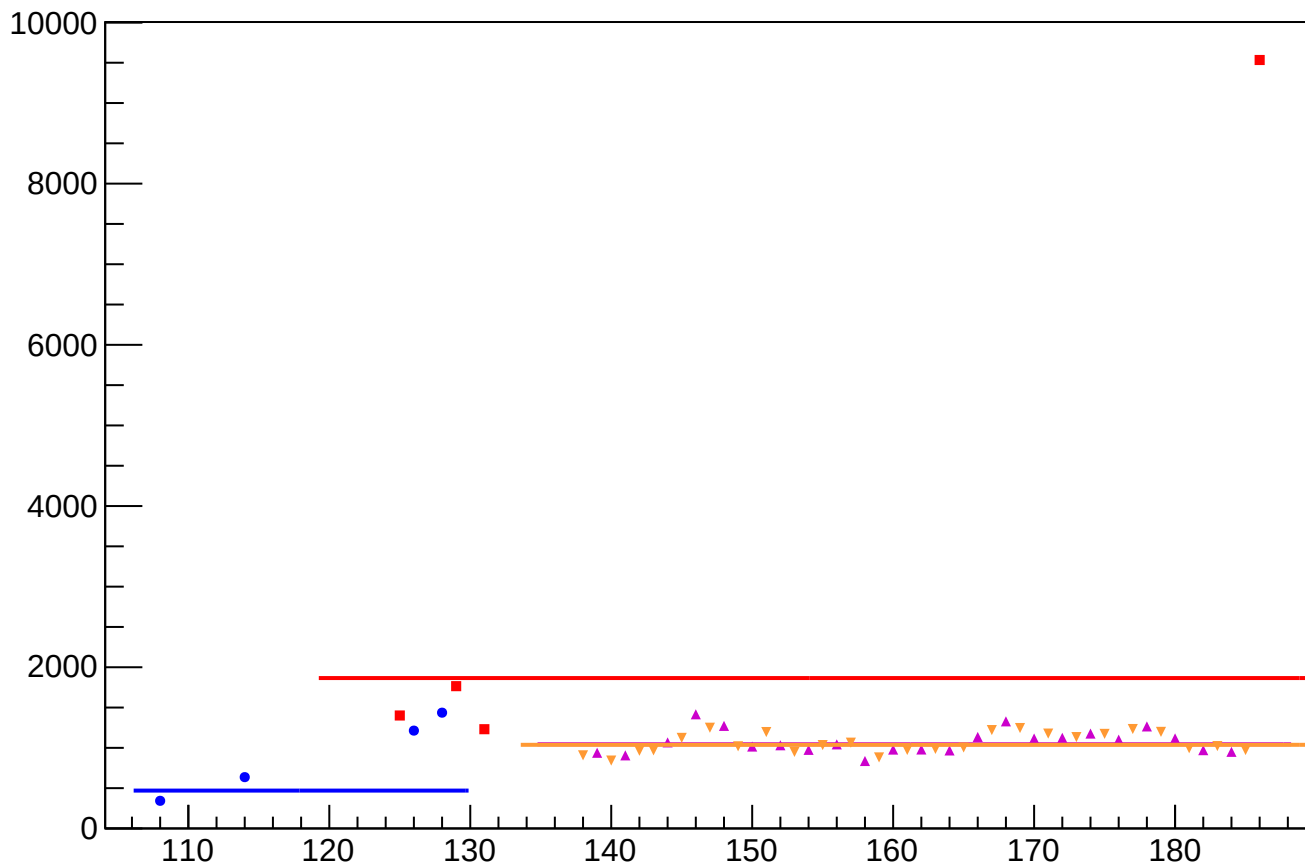
Left In: -183.107+/-252.258 χ^2/NDF : 36.5/22

+ sign 324.086+/-238.522 χ^2/NDF : 31.6/28

All: 92.805+/-173.098 χ^2/NDF : 74.5/55

- sign -164.524+/-251.595 χ^2/NDF : 40.9/26

asym_sam6_correction_rms vs Slug



Right In: 469.775+/-0.837 χ^2/NDF : 110192.0/3

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1865.892+/-2.455 χ^2/NDF : 509863.6/3

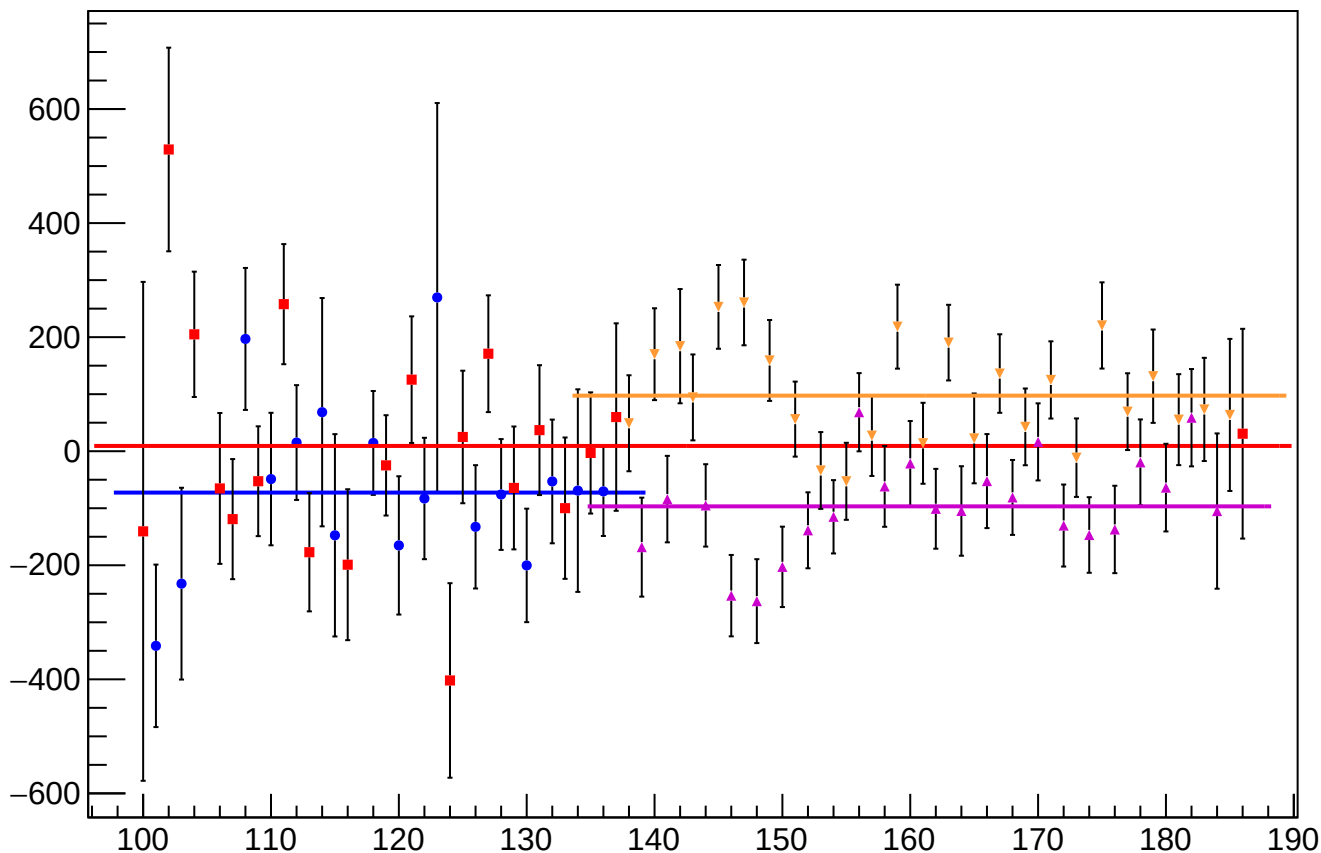
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1014.615+/-0.169 χ^2/NDF : 1047113.0/28

All: 1030.918+/-0.122 χ^2/NDF : 2231284.9/55

- sign 1049.057+/-0.178 χ^2/NDF : 1164433.7/26

reg_asym_sam7_mean vs Slug



Right In: -72.547 ± 28.434 $\chi^2/\text{NDF}: 15.1/16$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 9.248 ± 26.607 $\chi^2/\text{NDF}: 36.3/19$

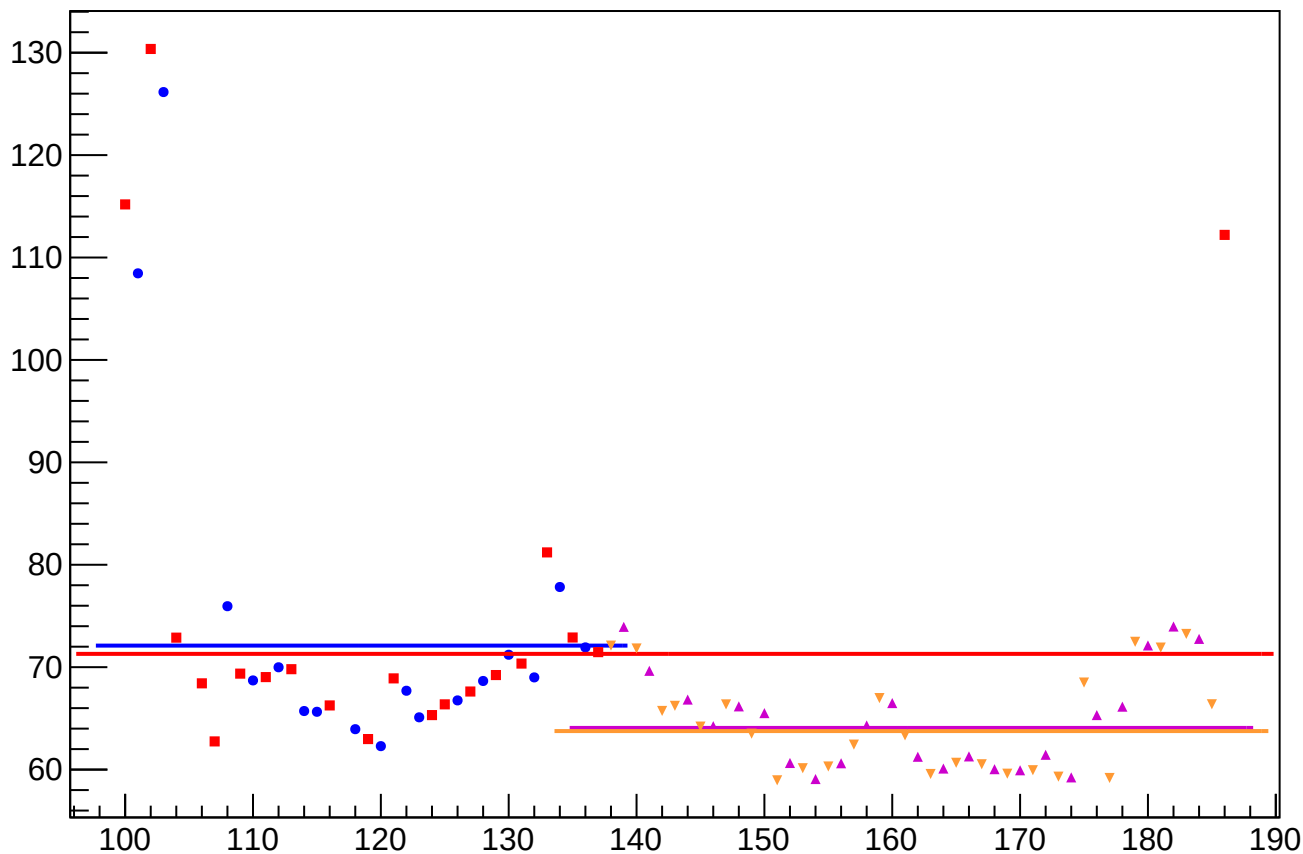
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 60.901 ± 13.184 $\chi^2/\text{NDF}: 79.2/41$

All: -4.030 ± 9.366 $\chi^2/\text{NDF}: 205.5/84$

- sign -70.195 ± 13.309 $\chi^2/\text{NDF}: 77.4/42$

reg_asym_sam7_rms vs Slug



Right In: 72.106 ± 0.020 $\chi^2/\text{NDF}: 390789.8/16$

Left Out: 63.761 ± 0.011 $\chi^2/\text{NDF}: 192803.8/24$

Right Out: 71.299 ± 0.019 $\chi^2/\text{NDF}: 399103.2/19$

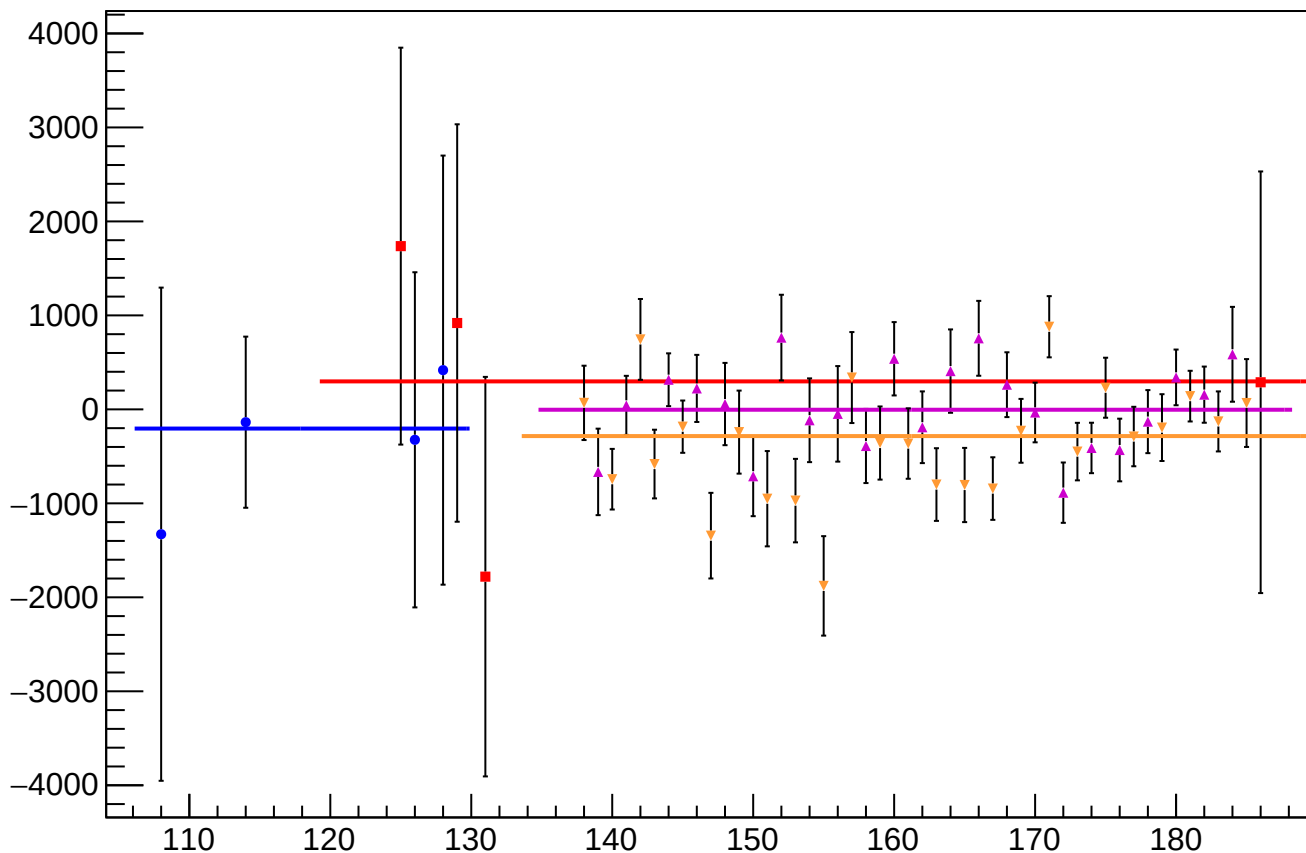
Left In: 64.069 ± 0.011 $\chi^2/\text{NDF}: 164660.4/22$

+ sign 65.555 ± 0.009 $\chi^2/\text{NDF}: 718829.5/41$

All: 65.715 ± 0.007 $\chi^2/\text{NDF}: 1393931.2/84$

- sign 65.878 ± 0.009 $\chi^2/\text{NDF}: 674509.1/42$

asym_sam7_correction_mean vs Slug



Right In: -204.257 $\pm$ 733.668 χ^2 /NDF: 0.3/3

Left Out: -284.304 $\pm$ 72.732 χ^2 /NDF: 55.1/24

Right Out: 297.576 $\pm$ 1073.424 χ^2 /NDF: 1.5/3

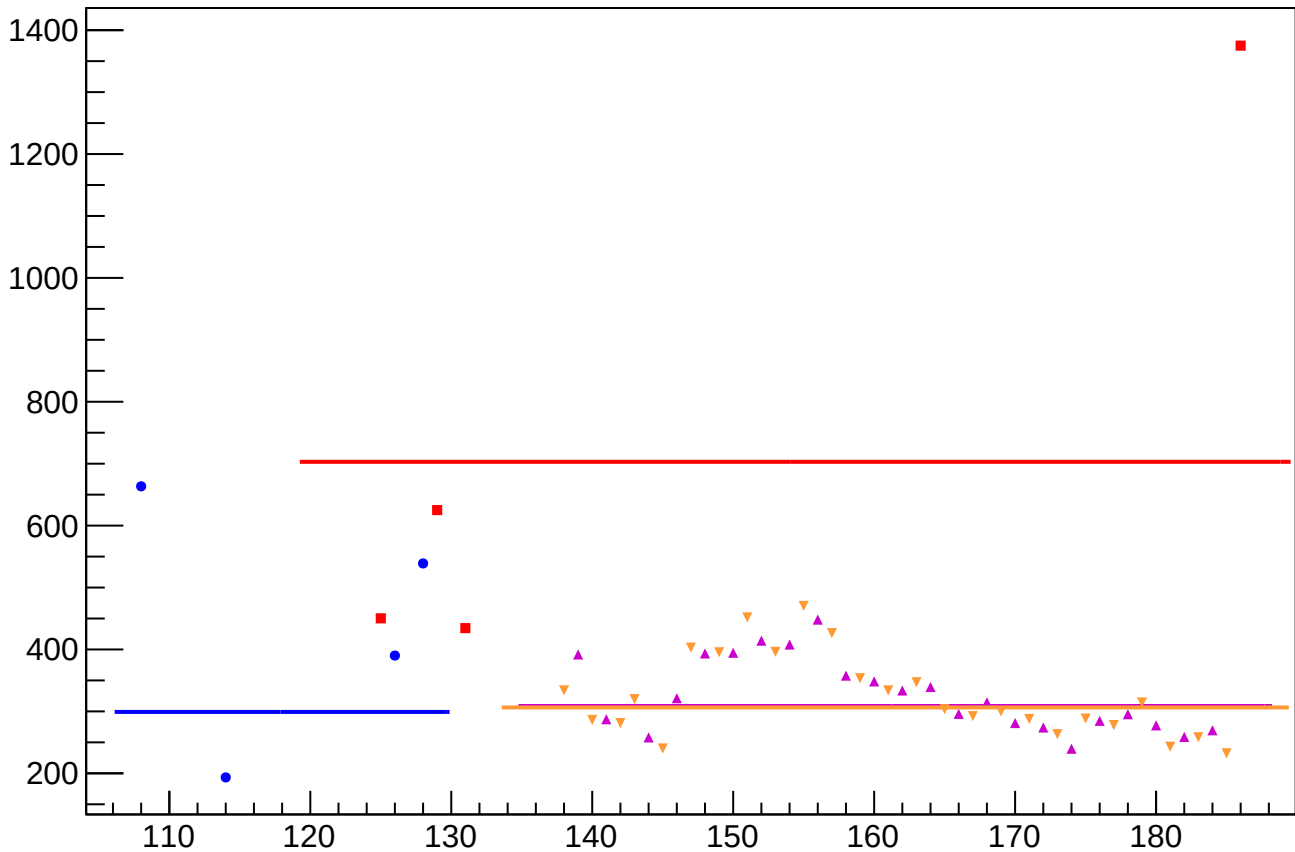
Left In: -4.037 $\pm$ 75.084 χ^2 /NDF: 32.4/22

+ sign -283.525 $\pm$ 72.378 χ^2 /NDF: 55.3/28

All: -147.859 $\pm$ 52.048 χ^2 /NDF: 96.6/55

- sign -2.568 $\pm$ 74.901 χ^2 /NDF: 33.9/26

asym_sam7_correction_rms vs Slug



Right In: 299.143 $\pm$ 0.519 χ^2 /NDF: 92782.9/3

Left Out: 306.363 $\pm$ 0.051 χ^2 /NDF: 1215669.9/24

Right Out: 703.014 $\pm$ 0.759 χ^2 /NDF: 242754.8/3

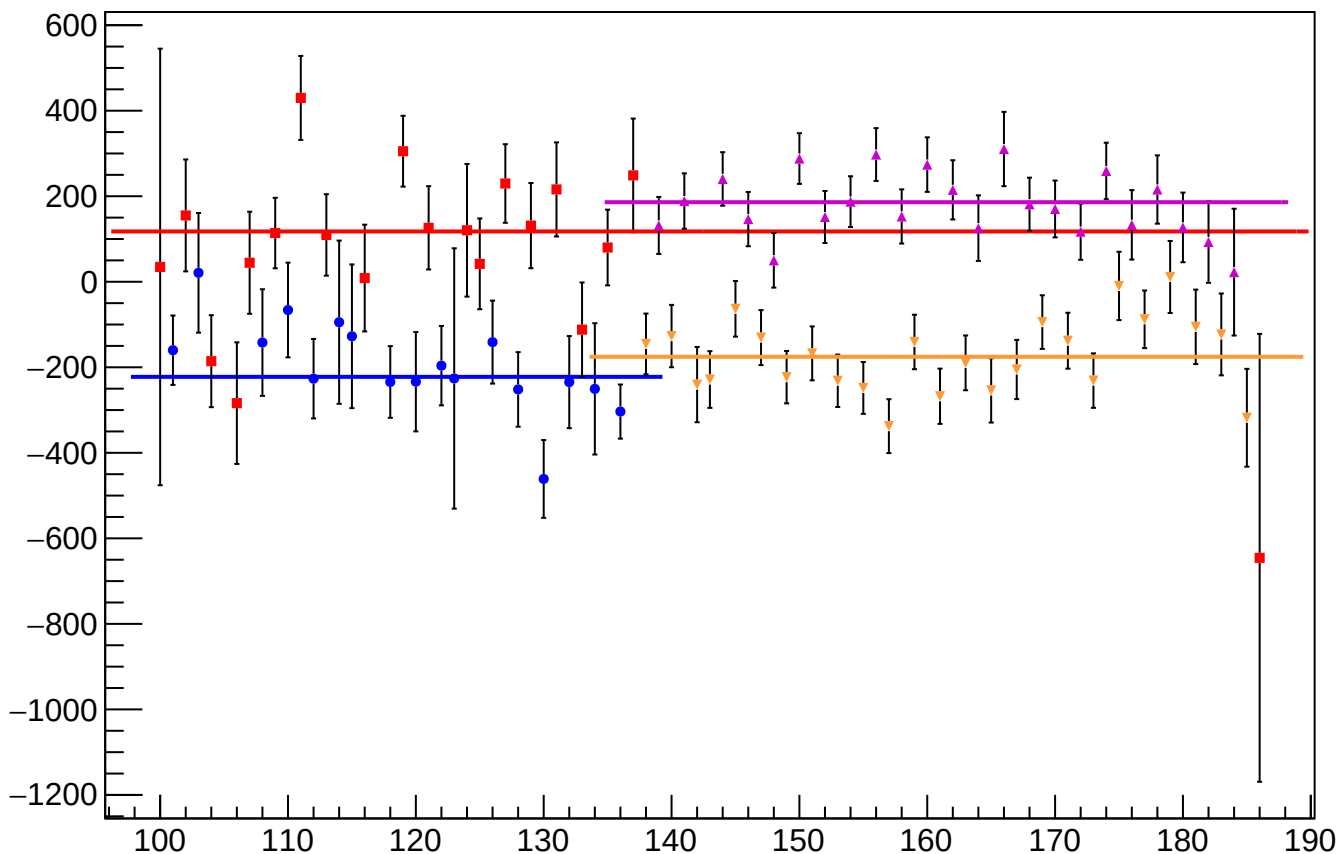
Left In: 308.727 $\pm$ 0.053 χ^2 /NDF: 1002947.4/22

+ sign 306.293 $\pm$ 0.051 χ^2 /NDF: 1308644.7/28

All: 308.395 $\pm$ 0.037 χ^2 /NDF: 2826371.8/55

- sign 310.646 $\pm$ 0.053 χ^2 /NDF: 1514232.7/26

reg_asym_sam8_mean vs Slug



Right In: -222.347+/-24.941 χ^2/NDF : 16.3/16

Left Out: -175.471+/-13.846 χ^2/NDF : 34.6/24

Right Out: 117.620+/-24.639 χ^2/NDF : 42.9/19

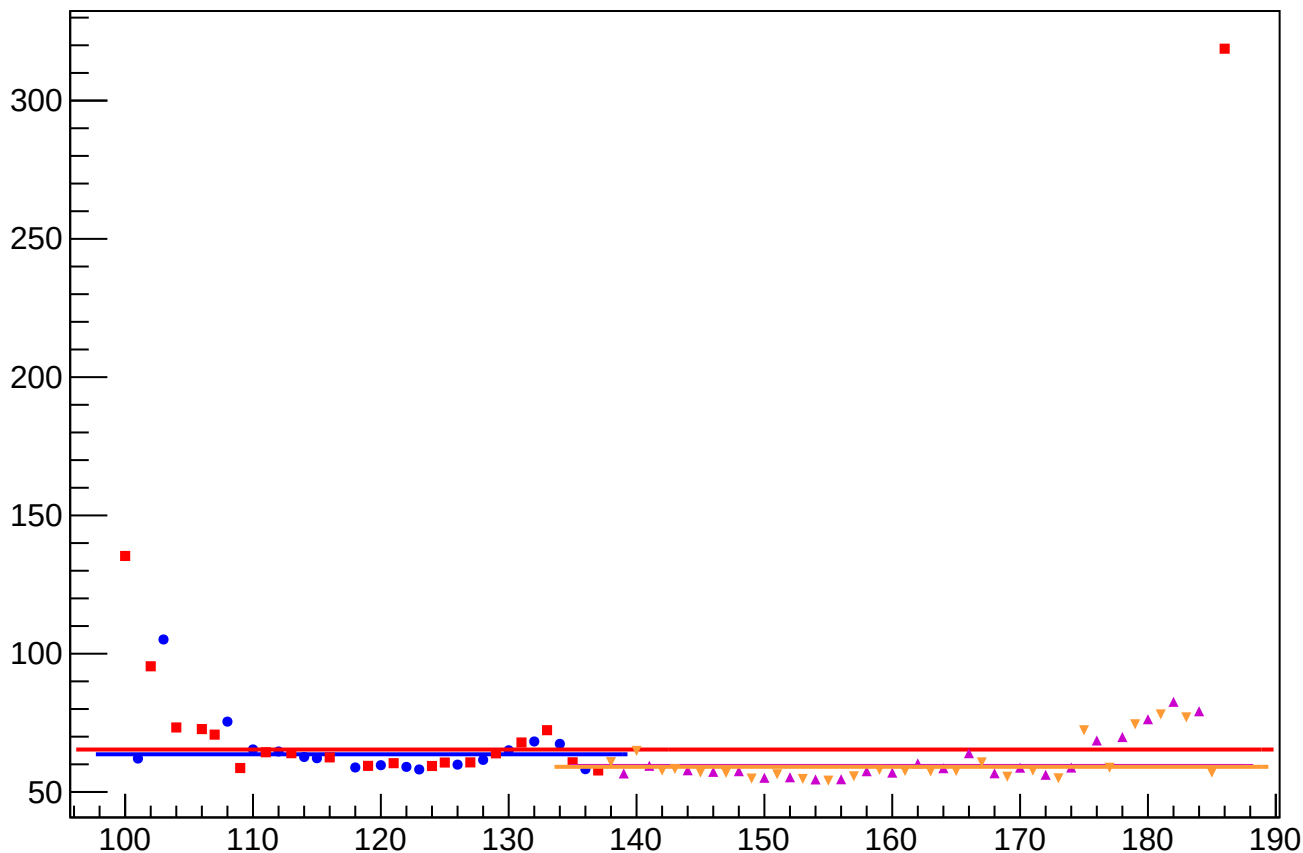
Left In: 186.047+/-14.315 χ^2/NDF : 23.6/22

+ sign -186.514+/-12.105 χ^2/NDF : 53.6/41

All: -12.821+/-8.655 χ^2/NDF : 546.9/84

- sign 168.778+/-12.378 χ^2/NDF : 72.2/42

reg_asym_sam8_rms vs Slug



Right In: 63.629 $\pm$ 0.018 χ^2 /NDF: 233899.4/16

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 65.349 $\pm$ 0.017 χ^2 /NDF: 695692.4/19

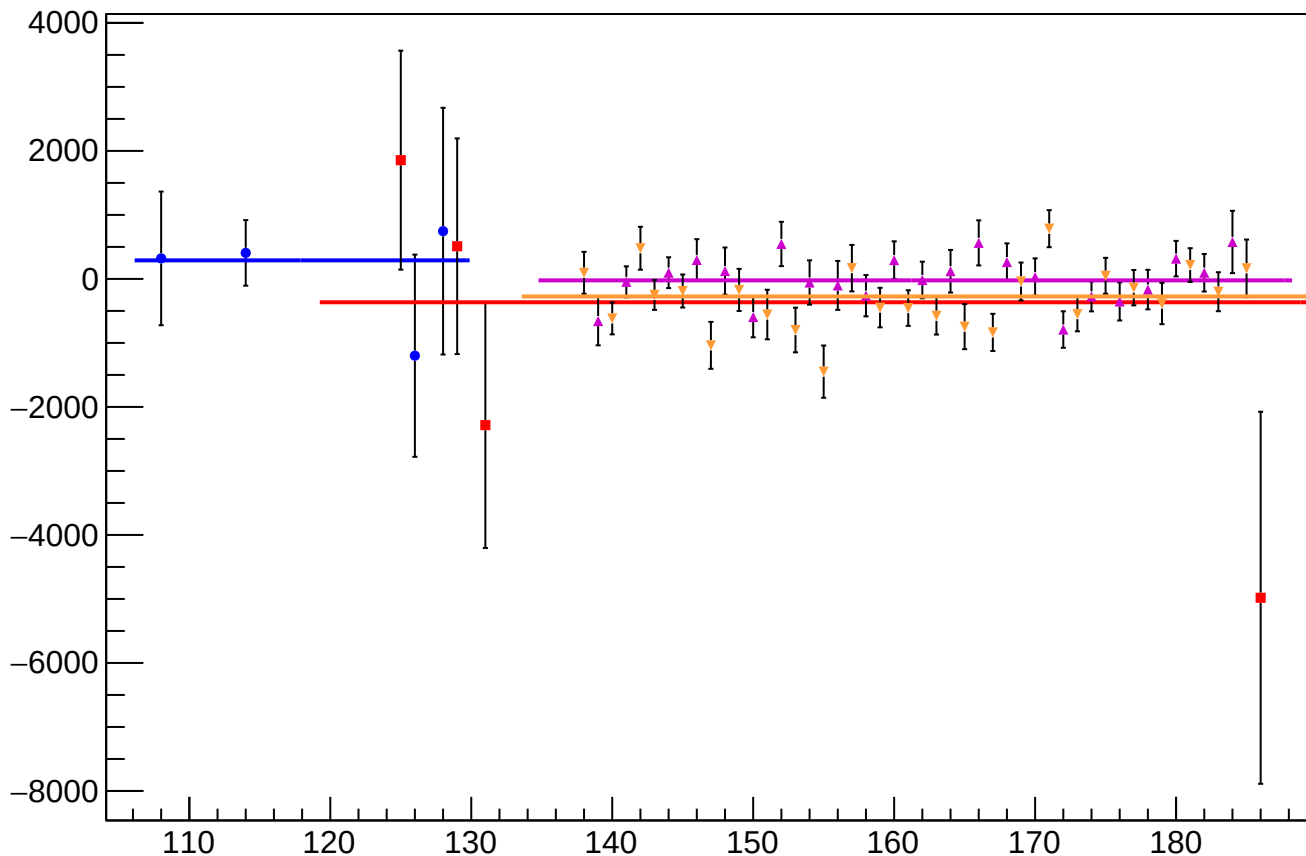
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 60.166 $\pm$ 0.009 χ^2 /NDF: 654108.8/41

All: 60.530 $\pm$ 0.006 χ^2 /NDF: 1813418.3/84

- sign 60.909 $\pm$ 0.009 χ^2 /NDF: 1155627.2/42

asym_sam8_correction_mean vs Slug



Right In: 289.832 $\pm$ 430.437 χ^2 /NDF: 1.0/3

Left Out: -274.091 $\pm$ 60.799 χ^2 /NDF: 53.9/24

Right Out: -364.950 $\pm$ 960.555 χ^2 /NDF: 5.5/3

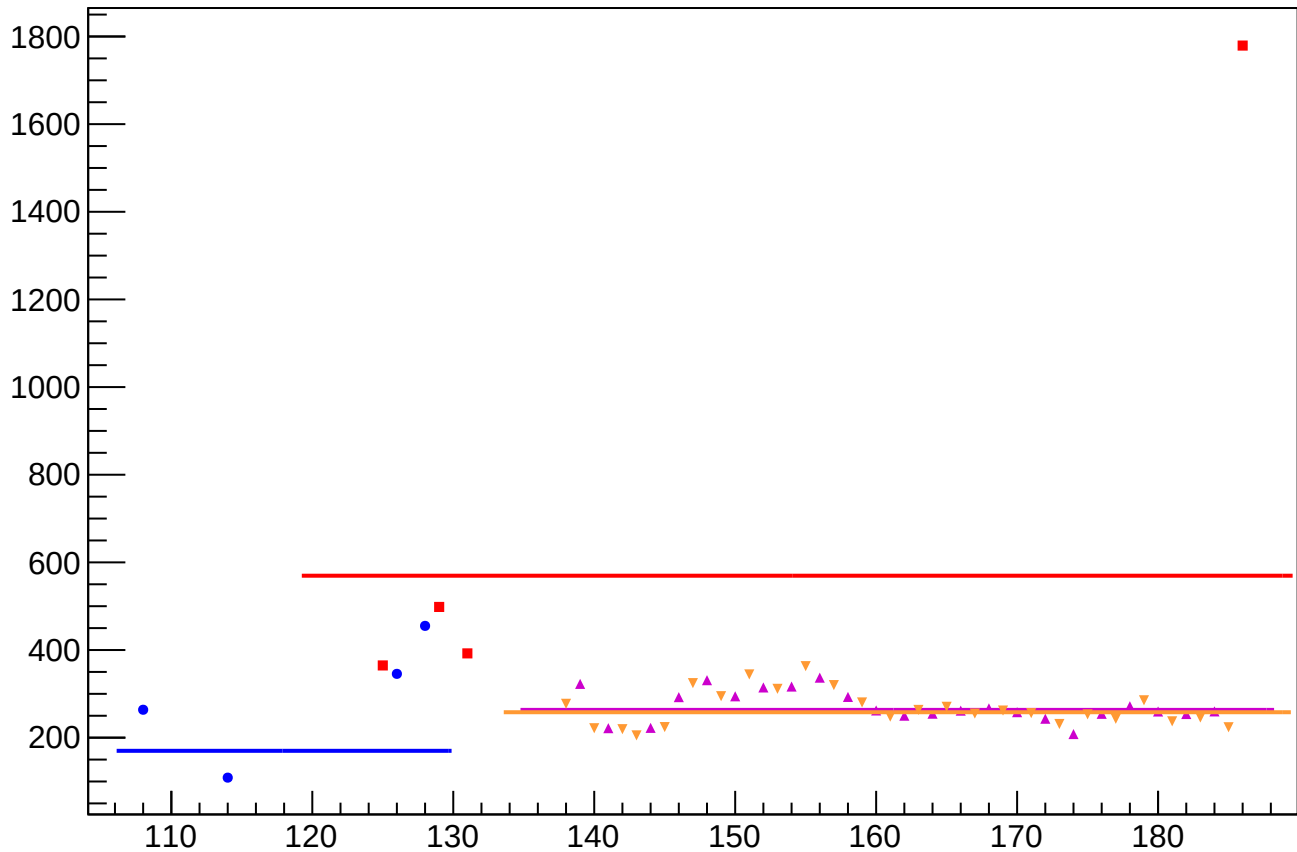
Left In: -22.631 $\pm$ 63.643 χ^2 /NDF: 28.9/22

+ sign -263.060 $\pm$ 60.202 χ^2 /NDF: 56.6/28

All: -149.967 $\pm$ 43.690 χ^2 /NDF: 98.5/55

- sign -24.127 $\pm$ 63.504 χ^2 /NDF: 34.5/26

asym_sam8_correction_rms vs Slug



Right In: 169.977 $\pm$ 0.304 χ^2 /NDF: 113149.8/3

Left Out: 258.040 $\pm$ 0.043 χ^2 /NDF: 724823.3/24

Right Out: 569.570 $\pm$ 0.679 χ^2 /NDF: 395752.4/3

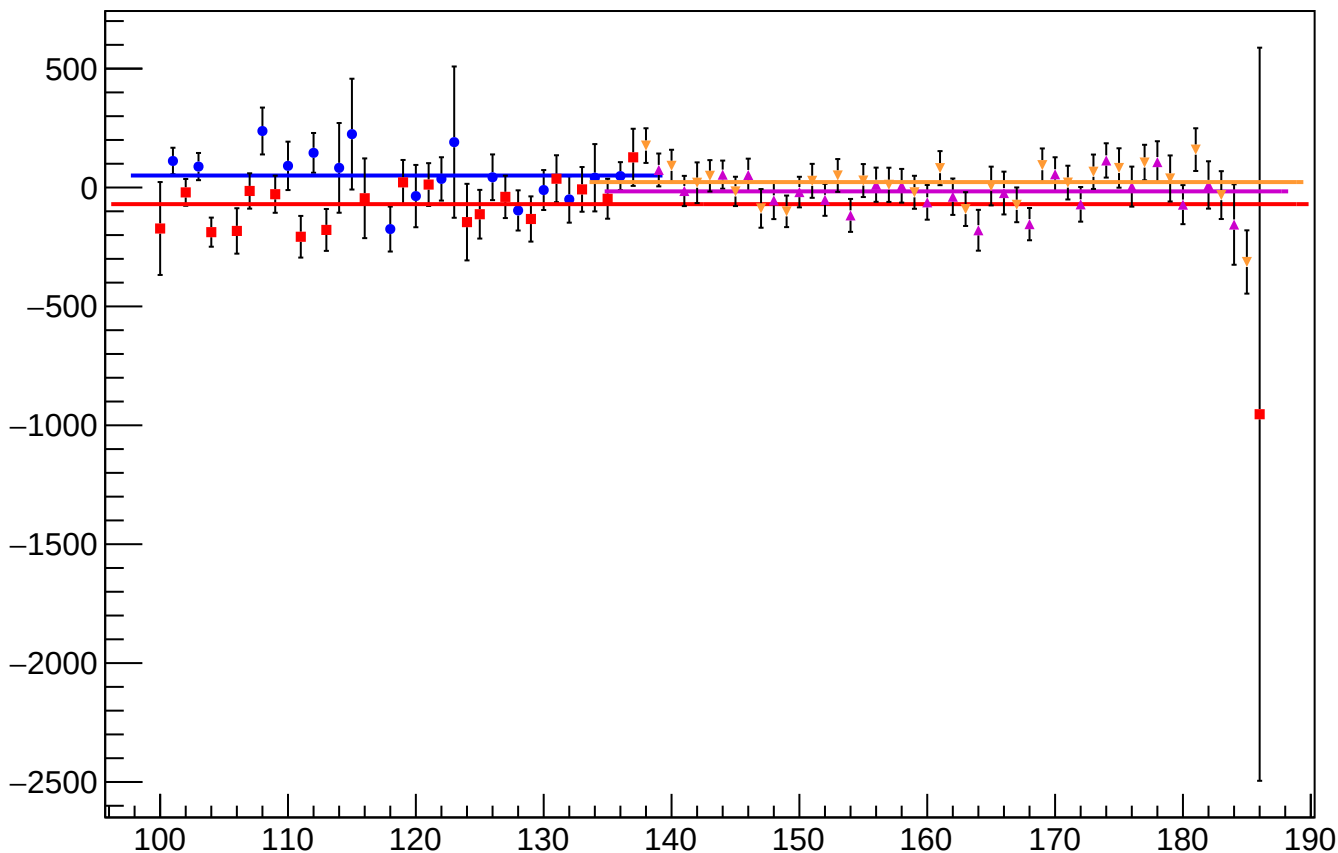
Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

+ sign 256.318 $\pm$ 0.043 χ^2 /NDF: 920049.5/28

All: 260.302 $\pm$ 0.031 χ^2 /NDF: 2122218.9/55

- sign 264.735 $\pm$ 0.045 χ^2 /NDF: 1183662.9/26

reg_asym_sam_15_avg_mean vs Slug



Right In: 50.467 $\pm$ 21.547 χ^2 /NDF: 18.2/16

Left Out: 22.871 $\pm$ 14.968 χ^2 /NDF: 29.0/24

Right Out: -69.894 $\pm$ 20.446 χ^2 /NDF: 18.4/19

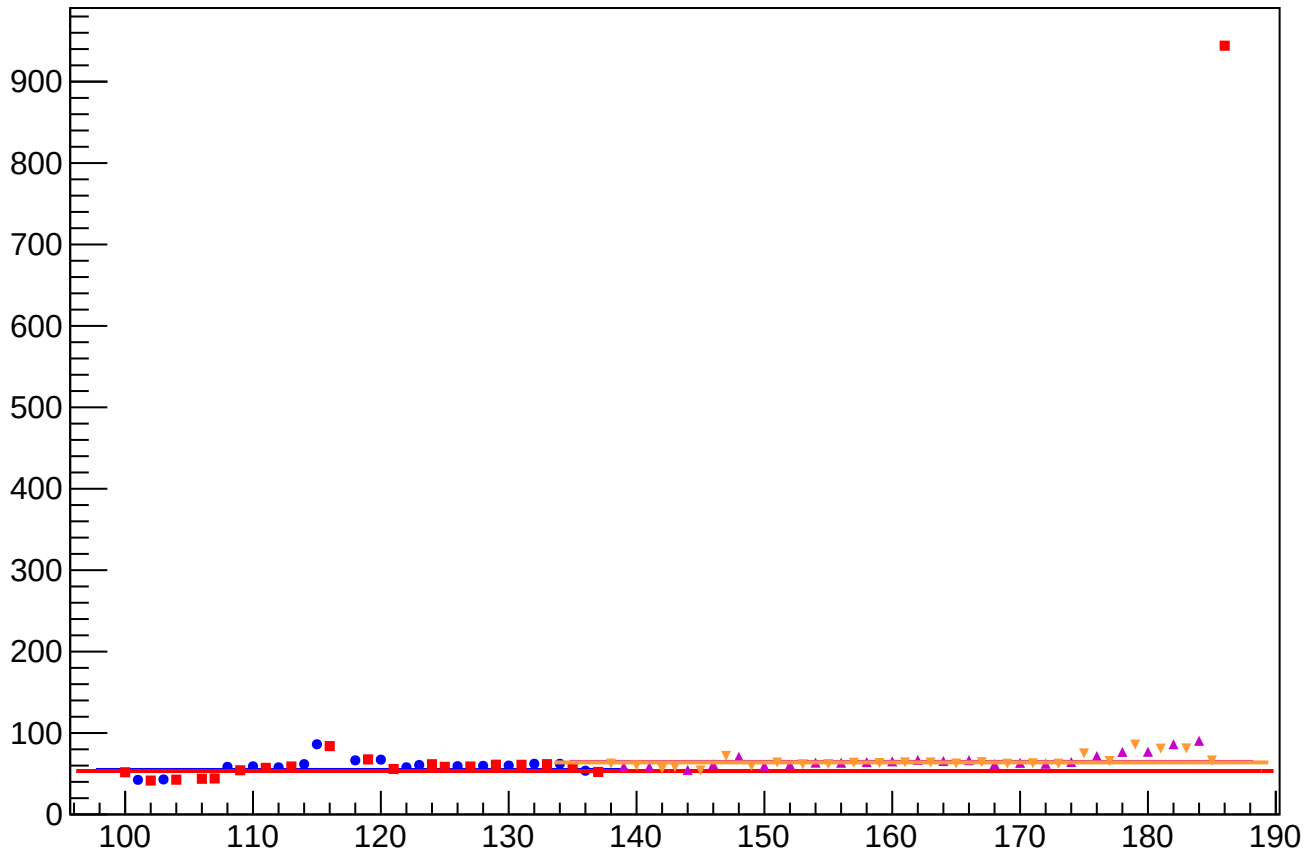
Left In: -16.198 $\pm$ 15.531 χ^2 /NDF: 23.3/22

+ sign 31.853 $\pm$ 12.293 χ^2 /NDF: 48.3/41

All: -1.791 $\pm$ 8.719 χ^2 /NDF: 109.5/84

- sign -35.844 $\pm$ 12.367 χ^2 /NDF: 46.1/42

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.640 $\pm$ 0.015 χ^2 /NDF: 318989.1/16

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 53.375 $\pm$ 0.014 χ^2 /NDF: 1055822.6/19

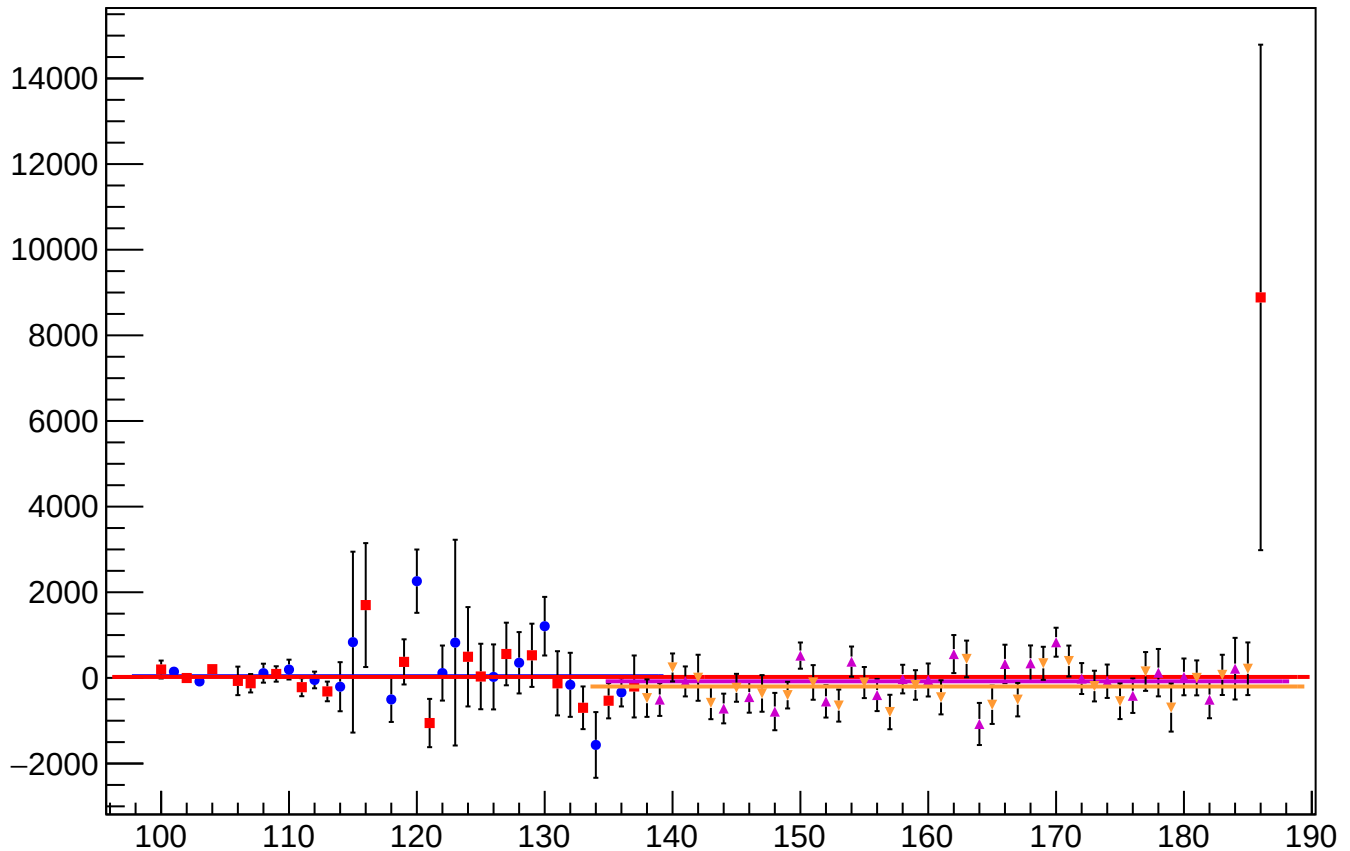
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 60.899 $\pm$ 0.009 χ^2 /NDF: 964608.9/41

All: 60.669 $\pm$ 0.006 χ^2 /NDF: 2768540.6/84

- sign 60.437 $\pm$ 0.009 χ^2 /NDF: 1802522.4/42

asym_sam_15_avg_correction_mean vs Slug



Right In: 39.017+/-51.561 χ^2/NDF : 23.8/16

Left Out: -201.082+/-79.549 χ^2/NDF : 19.7/24

Right Out: 22.141+/-53.286 χ^2/NDF : 21.0/19

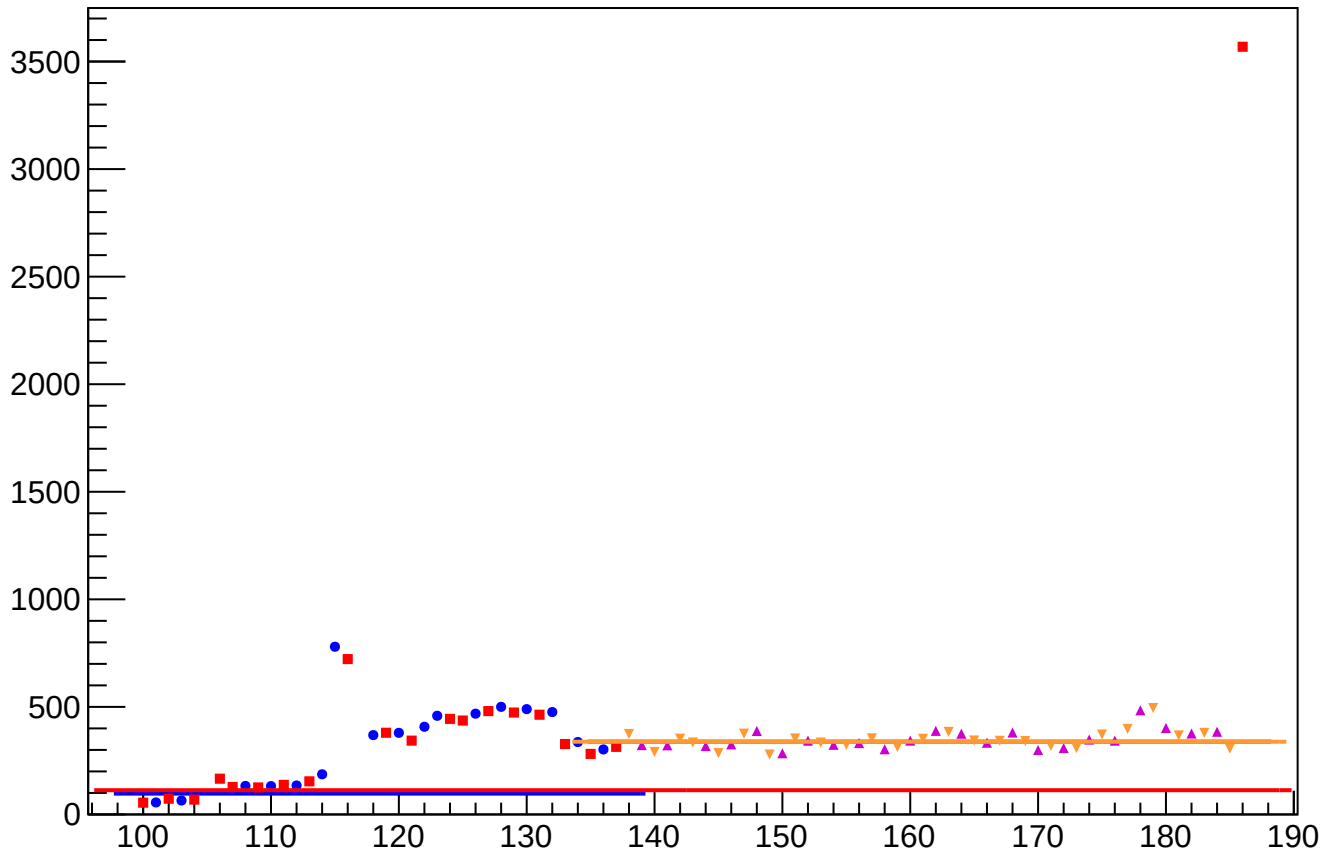
Left In: -79.985+/-81.781 χ^2/NDF : 33.4/22

+ sign -32.014+/-43.267 χ^2/NDF : 49.9/41

All: -20.526+/-31.070 χ^2/NDF : 105.6/84

- sign -8.295+/-44.645 χ^2/NDF : 55.5/42

asym_sam_15_avg_correction_rms vs Slug



Right In: 96.900 $\pm$ 0.036 χ^2 /NDF: 5800378.0/16

Left Out: 338.130 $\pm$ 0.056 χ^2 /NDF: 498601.7/24

Right Out: 112.801 $\pm$ 0.038 χ^2 /NDF: 5701352.9/19

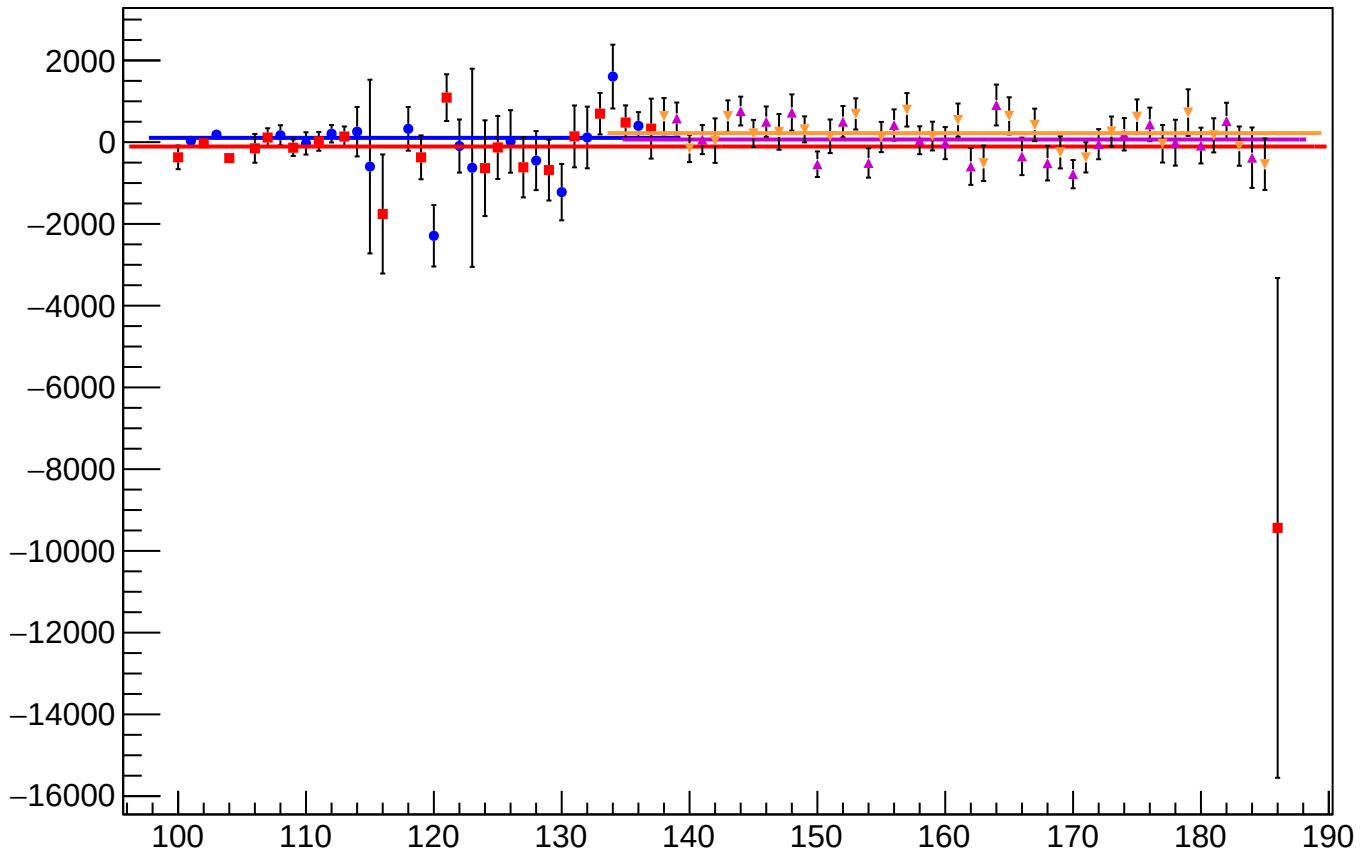
Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

+ sign 168.265 $\pm$ 0.031 χ^2 /NDF: 19249889.1/41

All: 173.989 $\pm$ 0.022 χ^2 /NDF: 36159999.1/84

- sign 180.083 $\pm$ 0.032 χ^2 /NDF: 16837835.2/42

asym_sam_15_avg_mean vs Slug



Right In: 105.662 ± 63.187 χ^2/NDF : 21.0/16

Left Out: 221.083 ± 81.018 χ^2/NDF : 19.7/24

Right Out: -106.660 ± 60.875 χ^2/NDF : 23.6/19

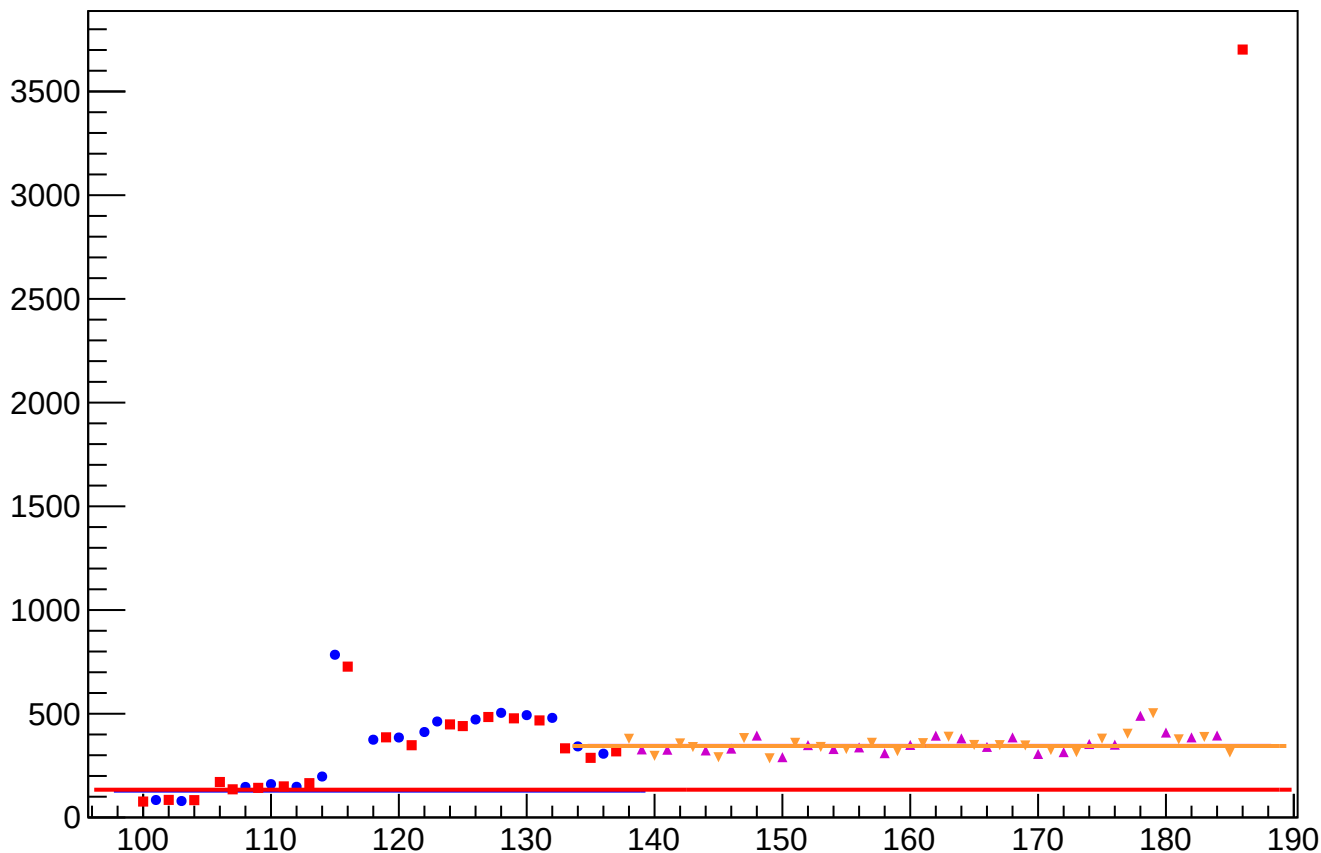
Left In: 65.510 ± 83.319 χ^2/NDF : 34.0/22

+ sign 149.315 ± 49.825 χ^2/NDF : 42.0/41

All: 49.956 ± 34.992 χ^2/NDF : 110.1/84

- sign -46.740 ± 49.153 χ^2/NDF : 60.3/42

asym_sam_15_avg_rms vs Slug



Right In: 129.376 $\pm$ 0.045 χ^2 /NDF: 4758533.8/16

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF: 488323.4/24

Right Out: 133.787 $\pm$ 0.043 χ^2 /NDF: 5030664.7/19

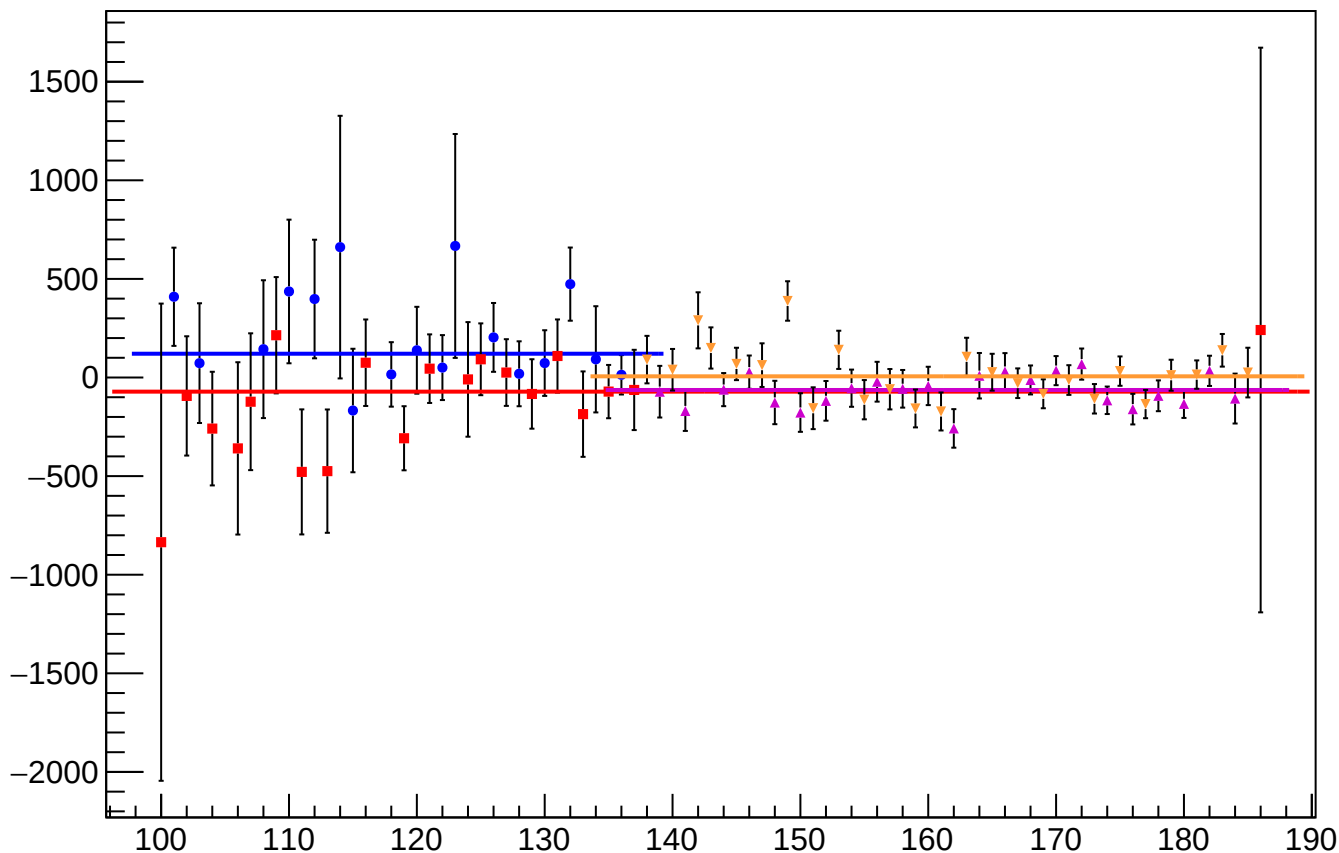
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 210.740 $\pm$ 0.035 χ^2 /NDF: 14014996.0/41

All: 209.001 $\pm$ 0.025 χ^2 /NDF: 27860363.9/84

- sign 207.309 $\pm$ 0.035 χ^2 /NDF: 13840560.7/42

reg_asym_sam_26_avg_mean vs Slug



Right In: 120.594 $\pm$ 49.201 χ^2 /NDF: 11.5/16

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF: 46.0/24

Right Out: -71.642 $\pm$ 50.020 χ^2 /NDF: 11.0/19

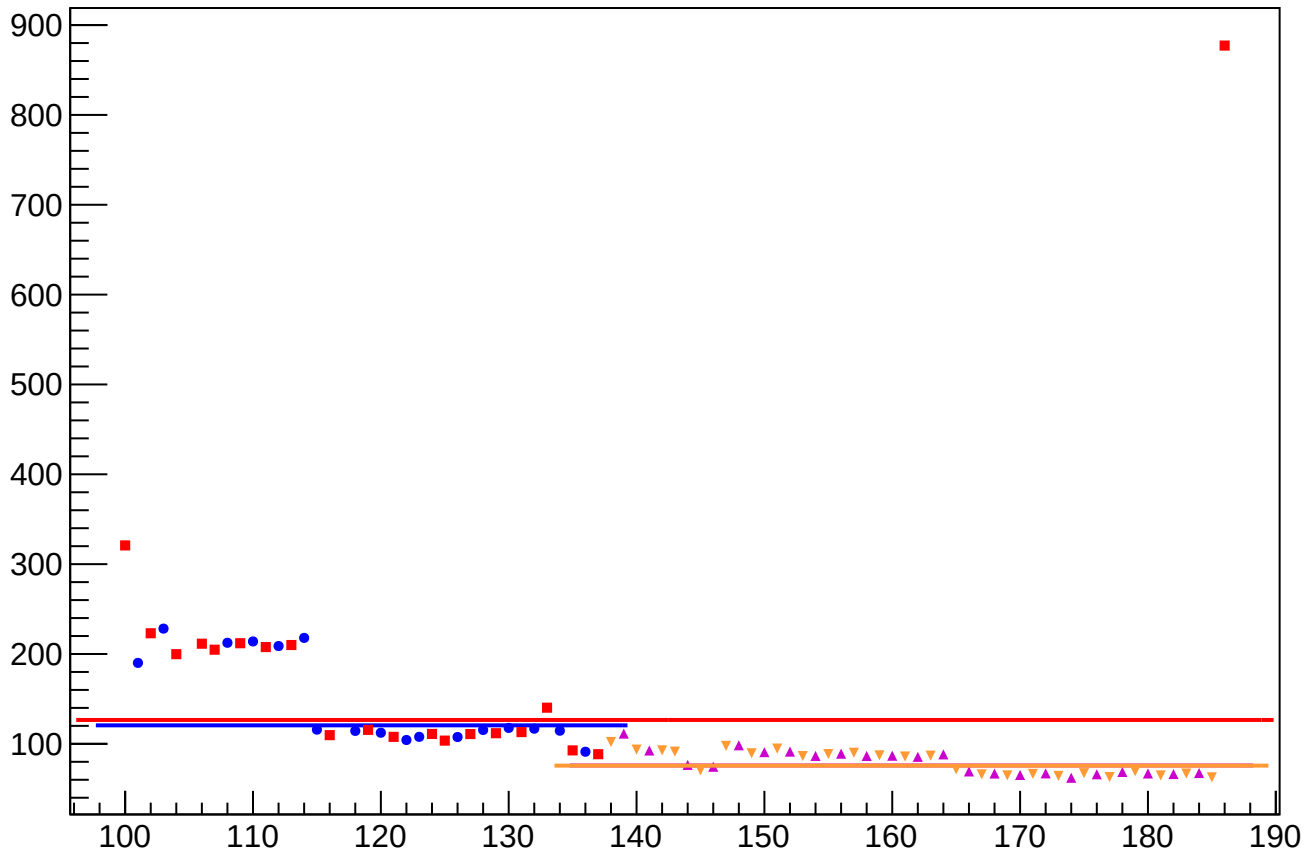
Left In: -63.279 $\pm$ 18.447 χ^2 /NDF: 19.8/22

+ sign 19.425 $\pm$ 16.830 χ^2 /NDF: 62.3/41

All: -21.257 $\pm$ 12.066 χ^2 /NDF: 105.2/84

- sign -64.280 $\pm$ 17.307 χ^2 /NDF: 30.9/42

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.576 $\pm$ 0.035 χ^2 /NDF: 1107352.4/16

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF: 937821.8/24

Right Out: 126.583 $\pm$ 0.035 χ^2 /NDF: 1879993.5/19

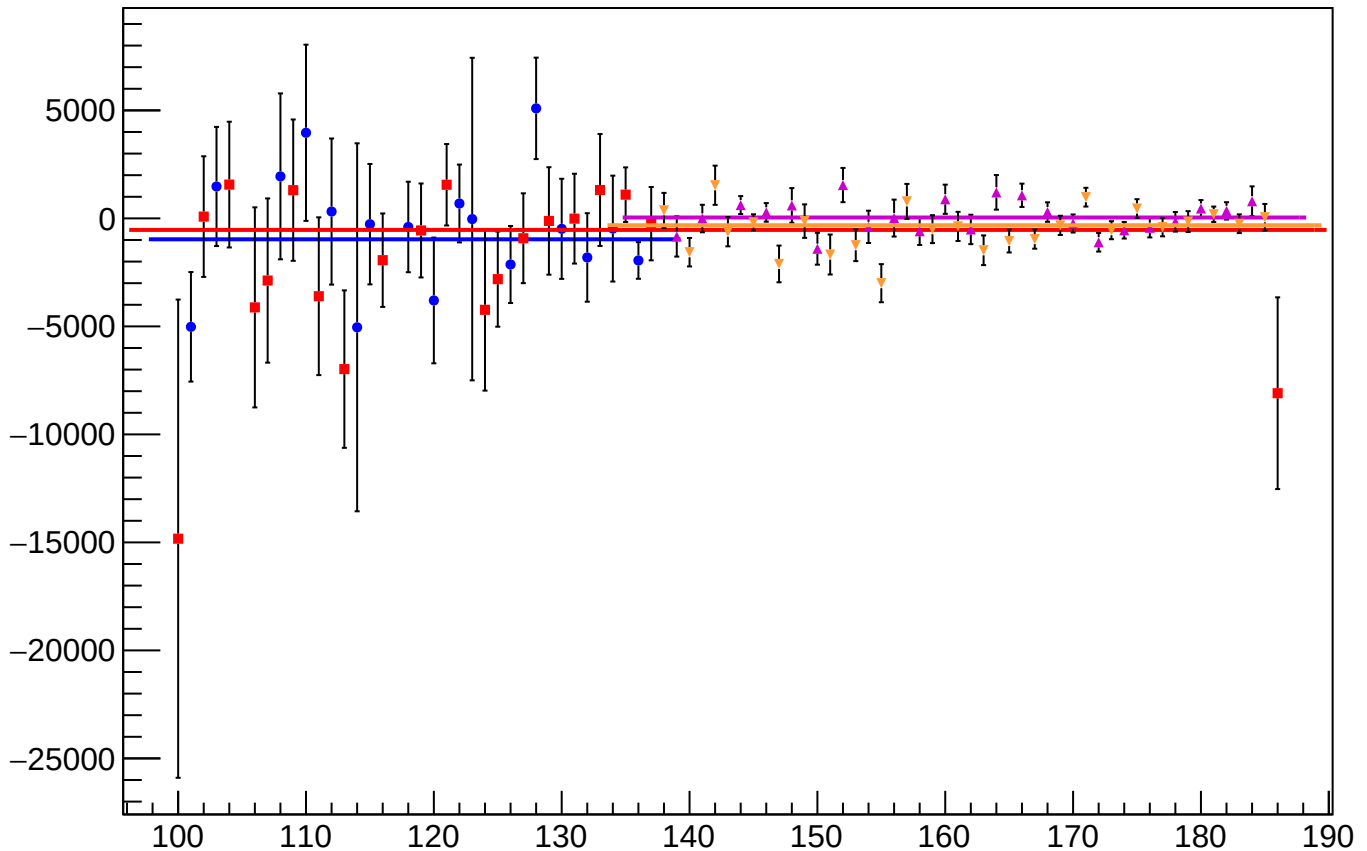
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF: 831366.4/22

+ sign 80.988 $\pm$ 0.012 χ^2 /NDF: 3511558.1/41

All: 81.468 $\pm$ 0.009 χ^2 /NDF: 8033125.0/84

- sign 81.976 $\pm$ 0.012 χ^2 /NDF: 4518219.7/42

asym_sam_26_avg_correction_mean vs Slug



Right In: -968.648 $\pm$ 513.413 χ^2 /NDF: 16.4/16

Left Out: -318.064 $\pm$ 108.014 χ^2 /NDF: 50.0/24

Right Out: -533.796 $\pm$ 542.687 χ^2 /NDF: 16.3/19

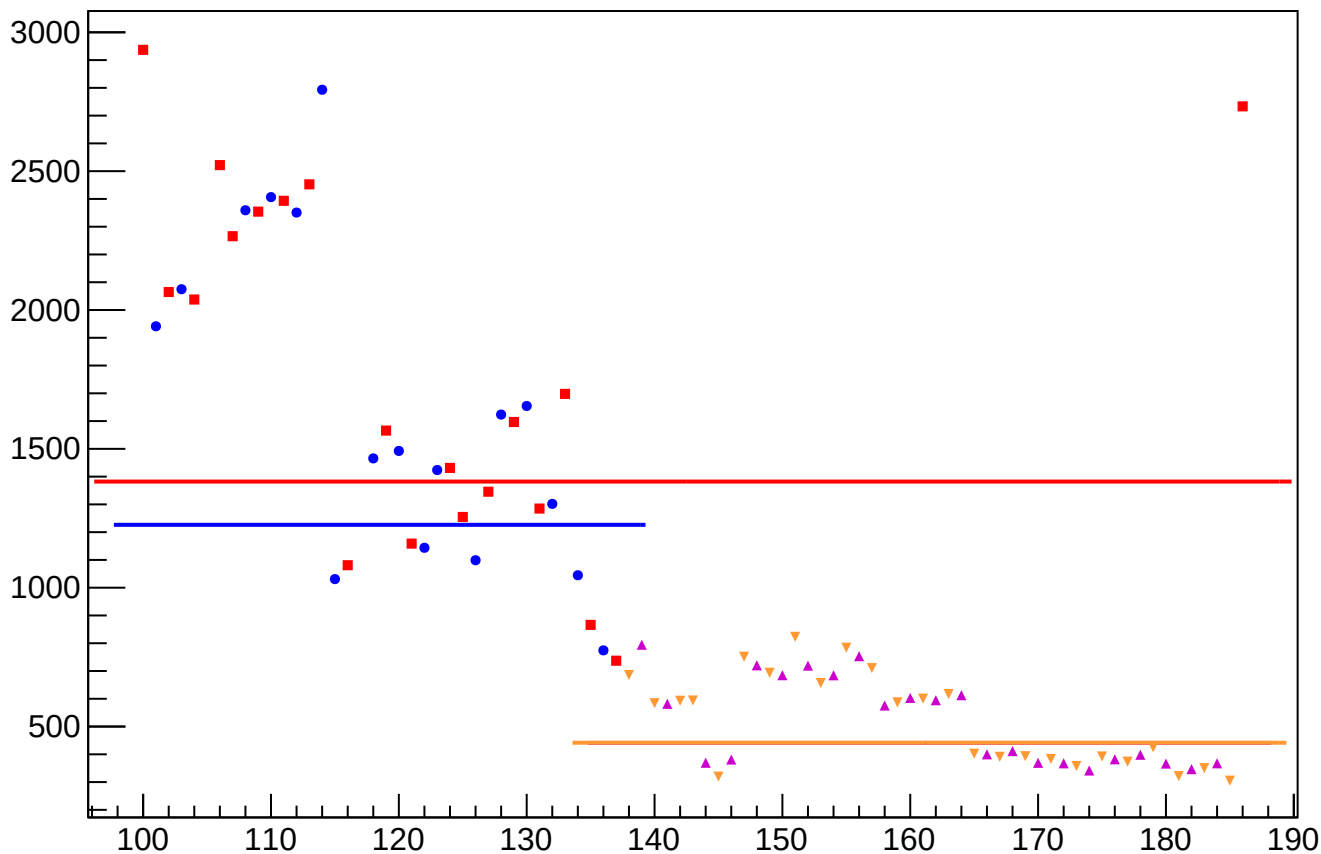
Left In: 40.473 $\pm$ 110.252 χ^2 /NDF: 34.7/22

+ sign -345.639 $\pm$ 105.700 χ^2 /NDF: 67.9/41

All: -167.951 $\pm$ 75.557 χ^2 /NDF: 125.8/84

- sign 17.710 $\pm$ 108.045 χ^2 /NDF: 52.1/42

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.408 $\pm$ 0.363 χ^2 /NDF: 1754373.1/16

Left Out: 441.685 $\pm$ 0.076 χ^2 /NDF: 3169140.9/24

Right Out: 1382.197 $\pm$ 0.384 χ^2 /NDF: 1937702.9/19

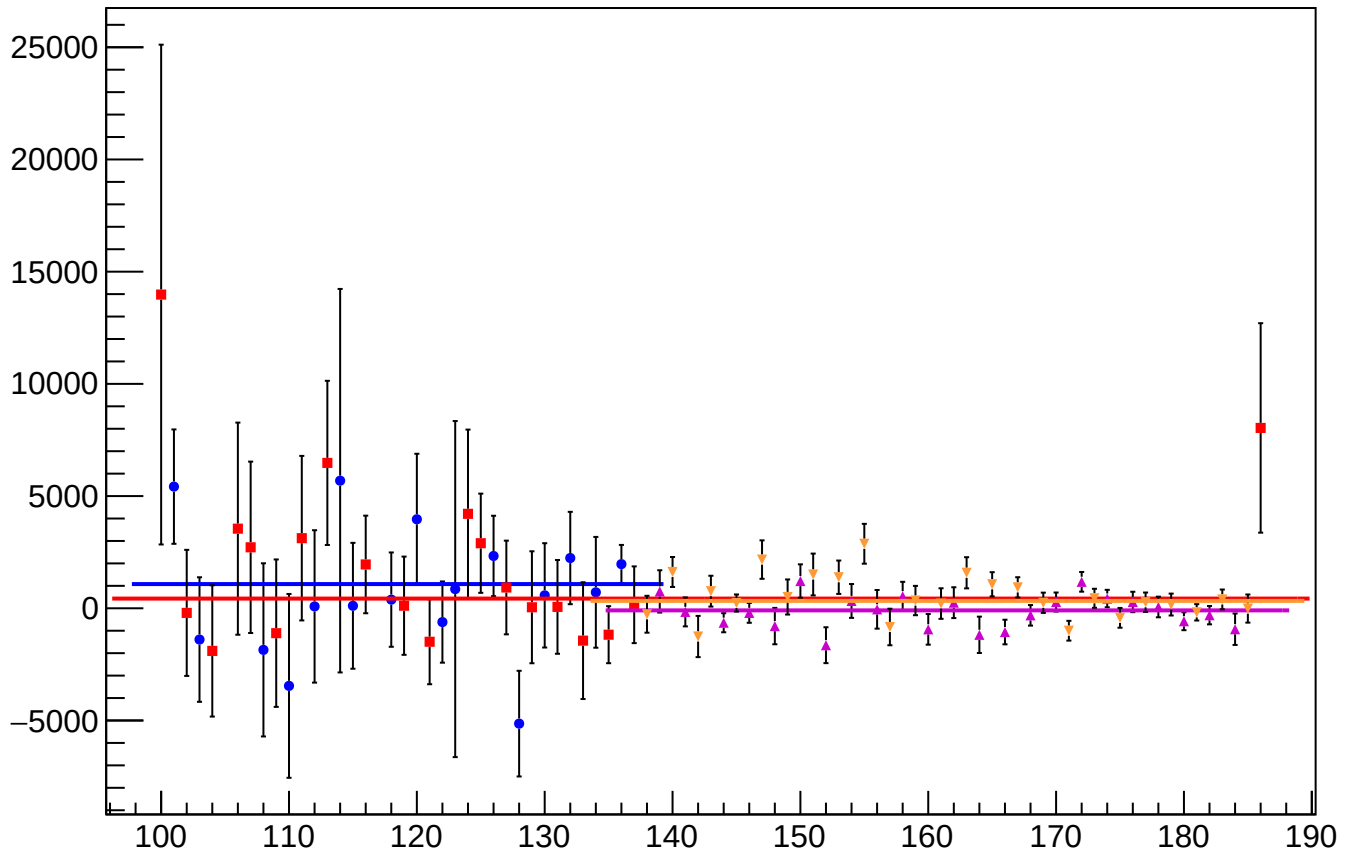
Left In: 441.009 $\pm$ 0.078 χ^2 /NDF: 2597018.1/22

+ sign 474.945 $\pm$ 0.075 χ^2 /NDF: 9397760.2/41

All: 476.593 $\pm$ 0.053 χ^2 /NDF: 19710695.2/84

- sign 478.315 $\pm$ 0.076 χ^2 /NDF: 10311940.5/42

asym_sam_26_avg_mean vs Slug



Right In: 1078.872 $\pm$ 516.347 χ^2 /NDF: 16.9/16

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF: 47.7/24

Right Out: 432.477 $\pm$ 545.852 χ^2 /NDF: 15.2/19

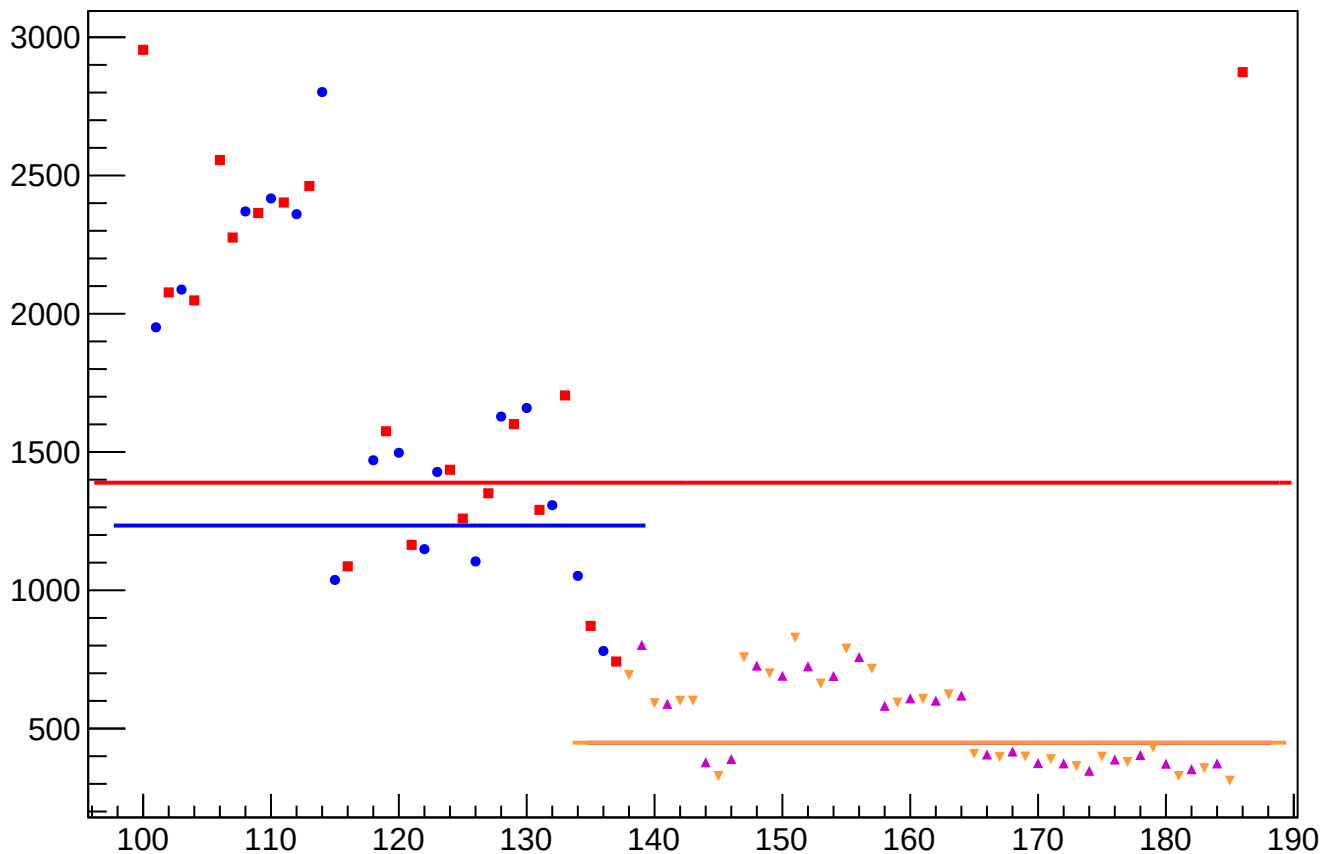
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 360.983 $\pm$ 107.275 χ^2 /NDF: 66.6/41

All: 149.242 $\pm$ 76.690 χ^2 /NDF: 124.0/84

- sign -72.083 $\pm$ 109.677 χ^2 /NDF: 49.4/42

asym_sam_26_avg_rms vs Slug



Right In: 1234.132+/-0.365 χ^2/NDF : 1741964.9/16

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1389.132+/-0.386 χ^2/NDF : 1950190.5/19

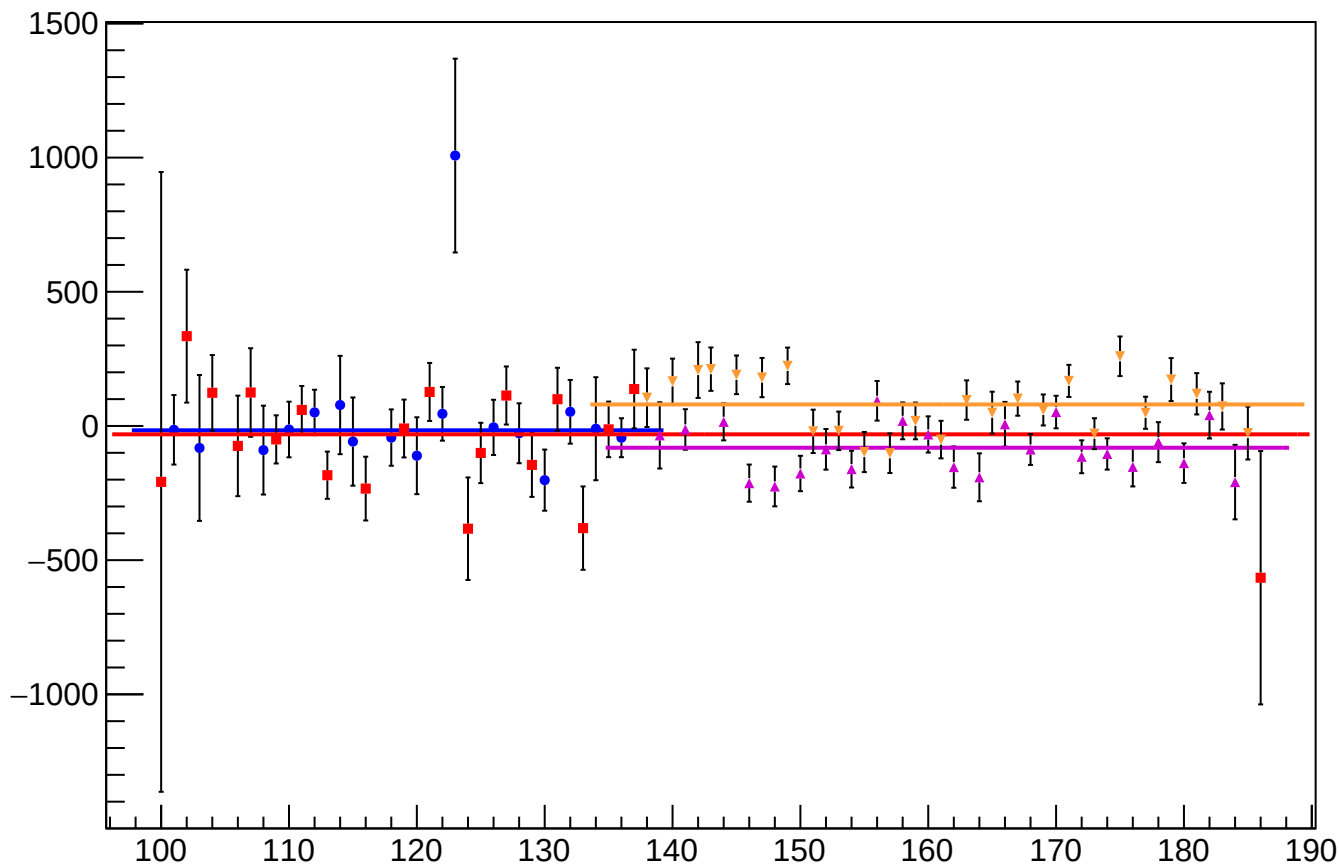
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 482.905+/-0.076 χ^2/NDF : 9256824.1/41

All: 484.560+/-0.054 χ^2/NDF : 19447029.4/84

- sign 486.290+/-0.078 χ^2/NDF : 10189231.7/42

reg_asym_sam_37_avg_mean vs Slug



Right In: -16.204 ± 28.906 $\chi^2/\text{NDF}: 13.3/16$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -31.167 ± 28.000 $\chi^2/\text{NDF}: 28.9/19$

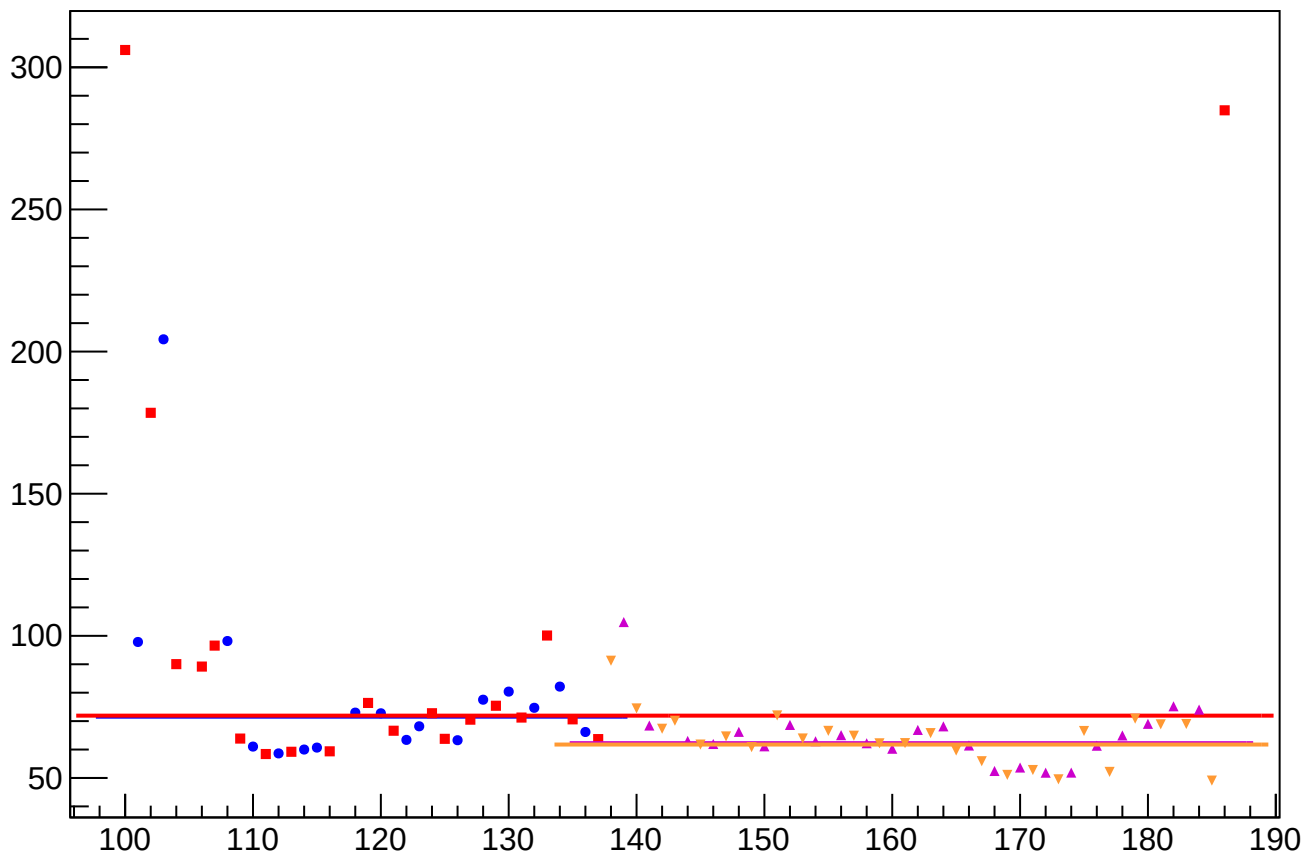
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 60.599 ± 13.026 $\chi^2/\text{NDF}: 70.7/41$

All: -3.317 ± 9.304 $\chi^2/\text{NDF}: 186.5/84$

- sign -69.887 ± 13.294 $\chi^2/\text{NDF}: 66.7/42$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.567 ± 0.020 $\chi^2/\text{NDF}: 758733.9/16$

Left Out: 61.761 ± 0.010 $\chi^2/\text{NDF}: 645535.0/24$

Right Out: 71.925 ± 0.020 $\chi^2/\text{NDF}: 1173726.3/19$

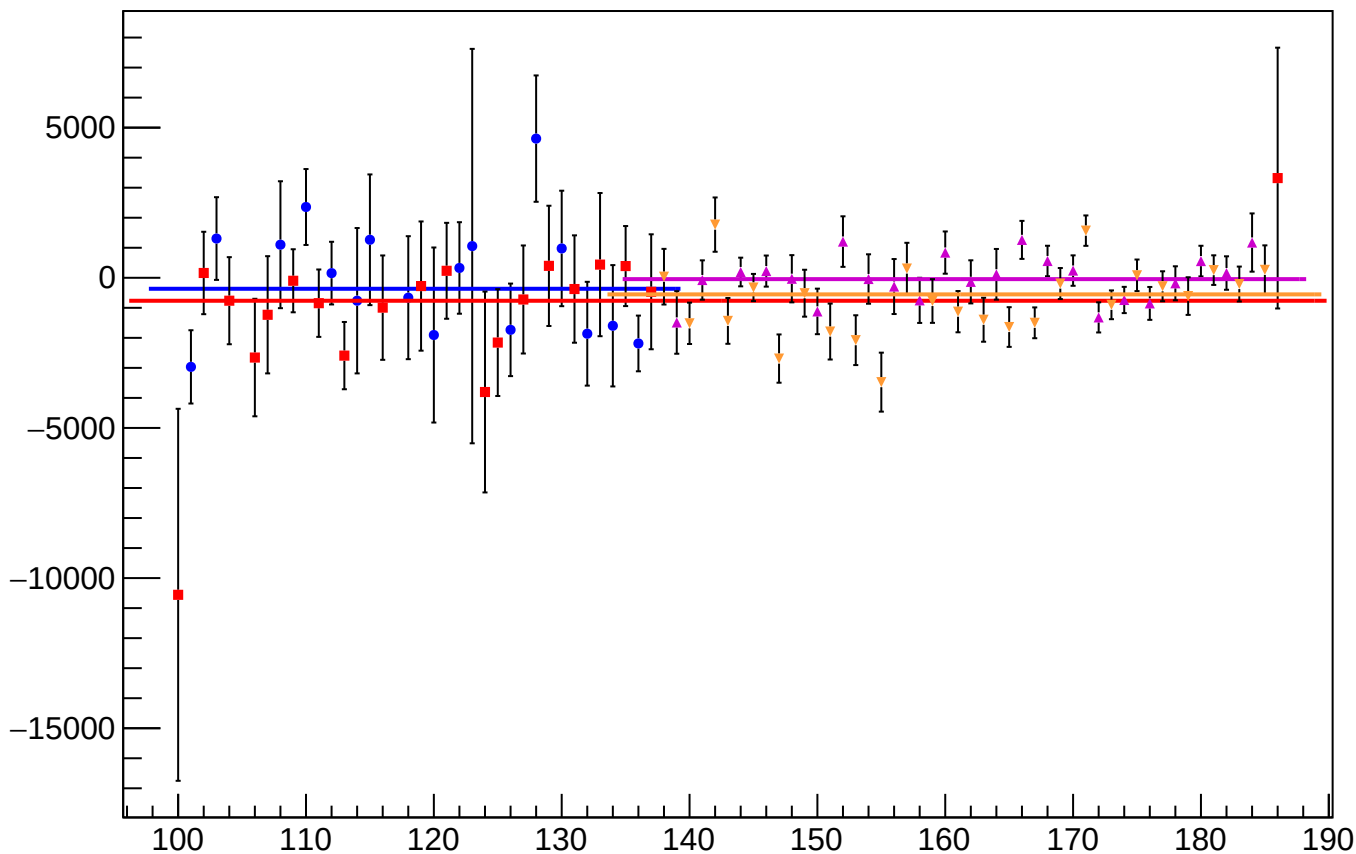
Left In: 62.250 ± 0.011 $\chi^2/\text{NDF}: 591085.1/22$

+ sign 63.752 ± 0.009 $\chi^2/\text{NDF}: 1587678.6/41$

All: 64.085 ± 0.007 $\chi^2/\text{NDF}: 3540103.5/84$

- sign 64.431 ± 0.009 $\chi^2/\text{NDF}: 1949767.0/42$

asym_sam_37_avg_correction_mean vs Slug



Right In: -365.739 ± 382.977 χ^2/NDF : 24.4/16

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -764.987 ± 369.206 χ^2/NDF : 11.2/19

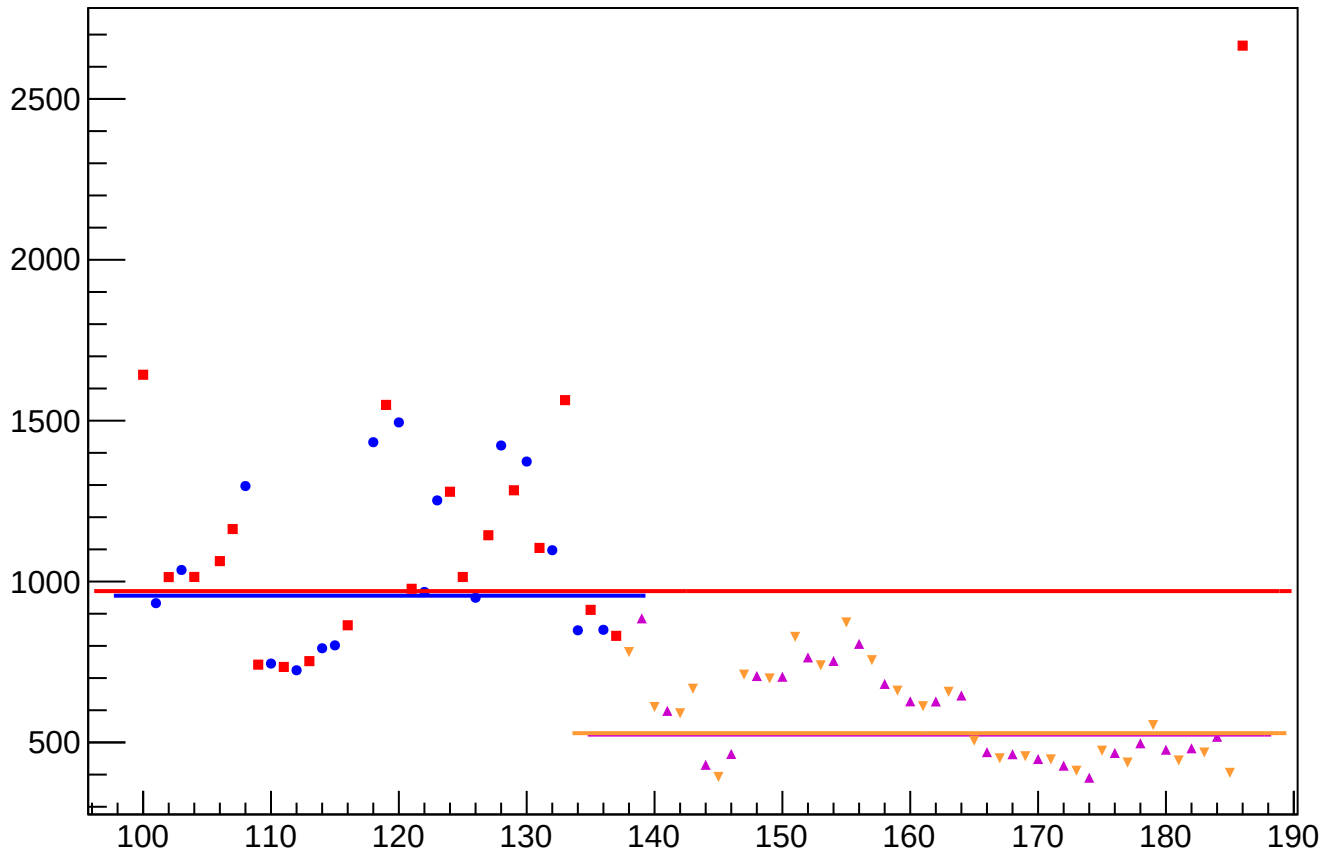
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -534.012 ± 120.529 χ^2/NDF : 89.9/41

All: -330.793 ± 85.693 χ^2/NDF : 139.8/84

- sign -123.059 ± 121.860 χ^2/NDF : 44.2/42

asym_sam_37_avg_correction_rms vs Slug



Right In: 956.049 ± 0.271 $\chi^2/\text{NDF}: 651701.4/16$

Left Out: 528.736 ± 0.090 $\chi^2/\text{NDF}: 1983697.7/24$

Right Out: 970.304 ± 0.261 $\chi^2/\text{NDF}: 1002673.8/19$

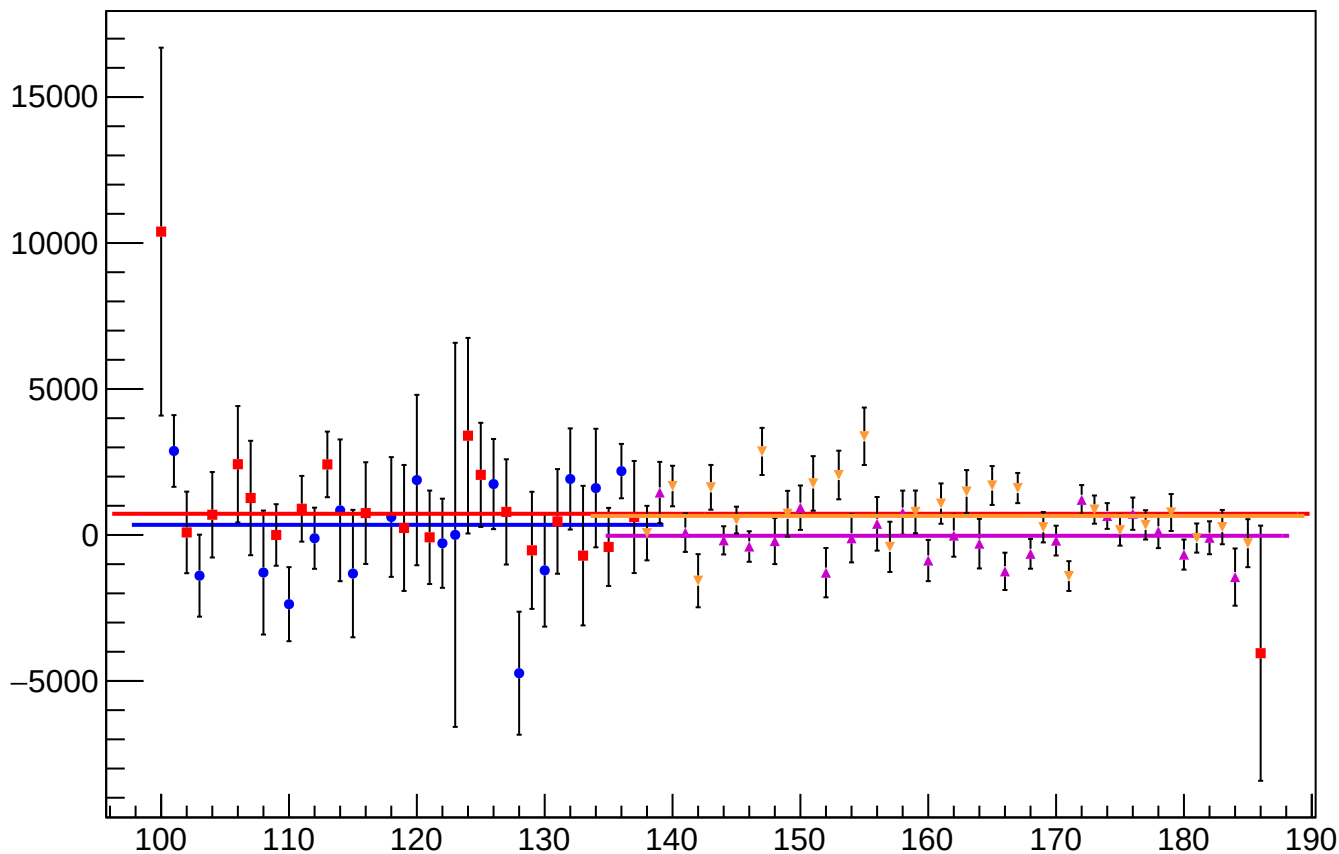
Left In: 524.268 ± 0.091 $\chi^2/\text{NDF}: 1716257.3/22$

+ sign 571.059 ± 0.085 $\chi^2/\text{NDF}: 4878651.8/41$

All: 571.949 ± 0.061 $\chi^2/\text{NDF}: 10198793.3/84$

- sign 572.859 ± 0.086 $\chi^2/\text{NDF}: 5319920.9/42$

asym_sam_37_avg_mean vs Slug



Right In: 347.157 $\pm$ 384.717 χ^2 /NDF: 24.7/16

Left Out: 651.560 $\pm$ 127.961 χ^2 /NDF:61.1/24

Right Out: 725.736 $\pm$ 371.076 χ^2 /NDF: 10.3/19

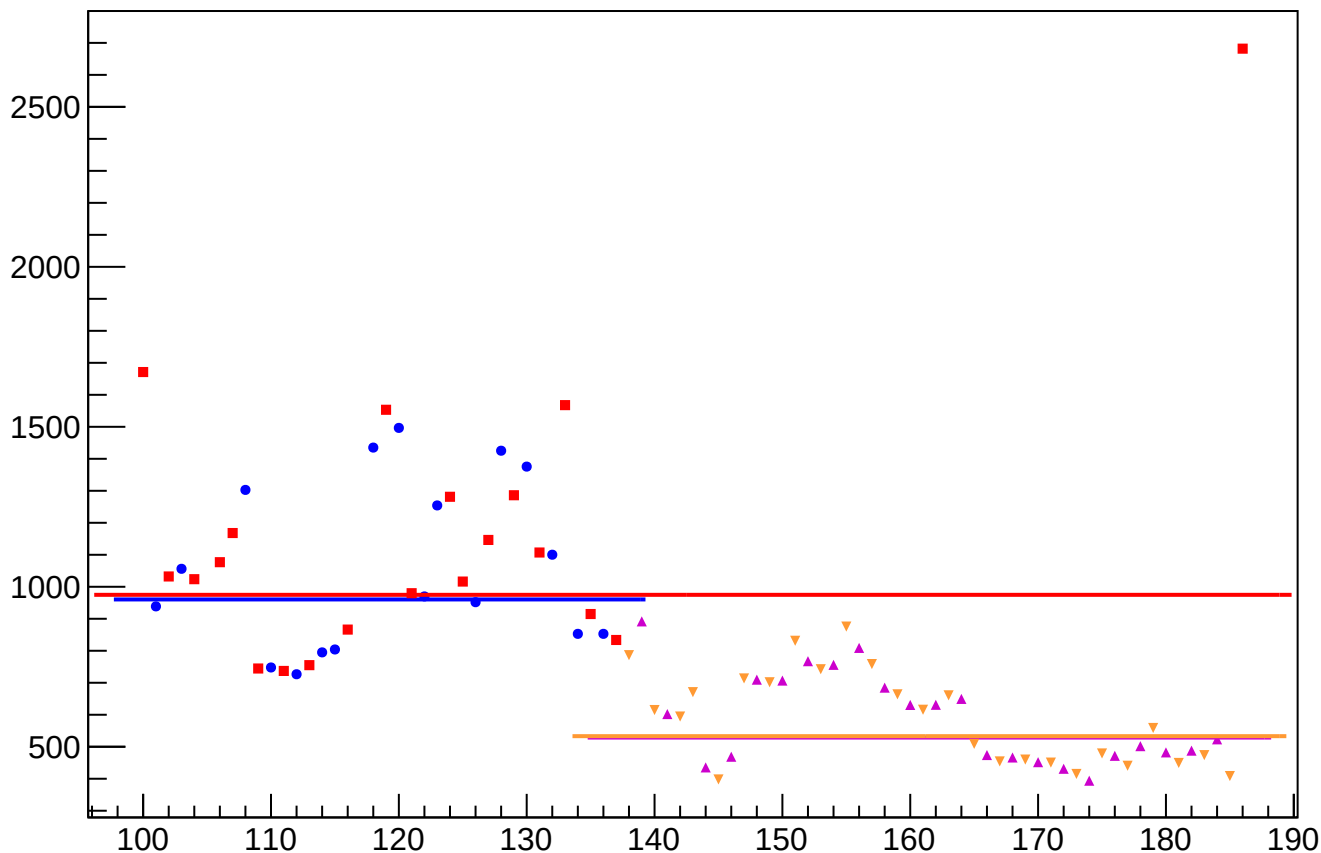
Left In: -27.483 $\pm$ 130.127 χ^2 /NDF:28.5/22

+ sign 621.238 $\pm$ 121.421 χ^2 /NDF: 86.3/41

All: 341.305 $\pm$ 86.339 χ^2 /NDF: 139.5/84

- sign 54.999 $\pm$ 122.795 χ^2 /NDF: 42.4/42

asym_sam_37_avg_rms vs Slug



Right In: 960.401 $\pm$ 0.272 χ^2 /NDF: 651758.1/16

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF:1951536.4/24

Right Out: 974.834 $\pm$ 0.262 χ^2 /NDF: 1005730.0/19

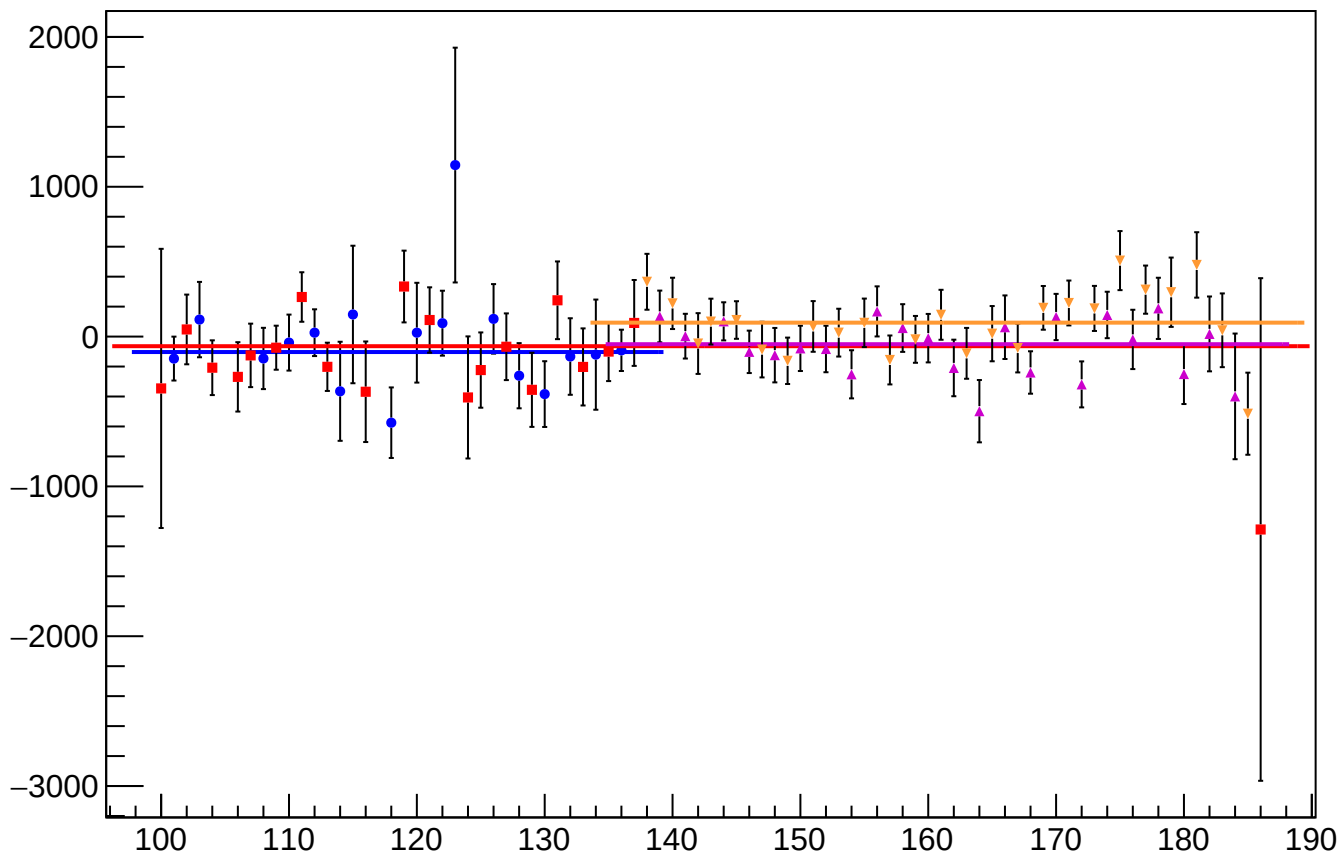
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

+ sign 575.628 $\pm$ 0.086 χ^2 /NDF: 4825204.7/41

All: 576.578 $\pm$ 0.061 χ^2 /NDF: 10094103.6/84

- sign 577.549 $\pm$ 0.087 χ^2 /NDF: 5268651.3/42

reg_asym_sam_48_avg_mean vs Slug



Right In: -103.183 ± 53.022 χ^2/NDF : 13.2/16

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: -64.210 ± 50.899 χ^2/NDF : 15.8/19

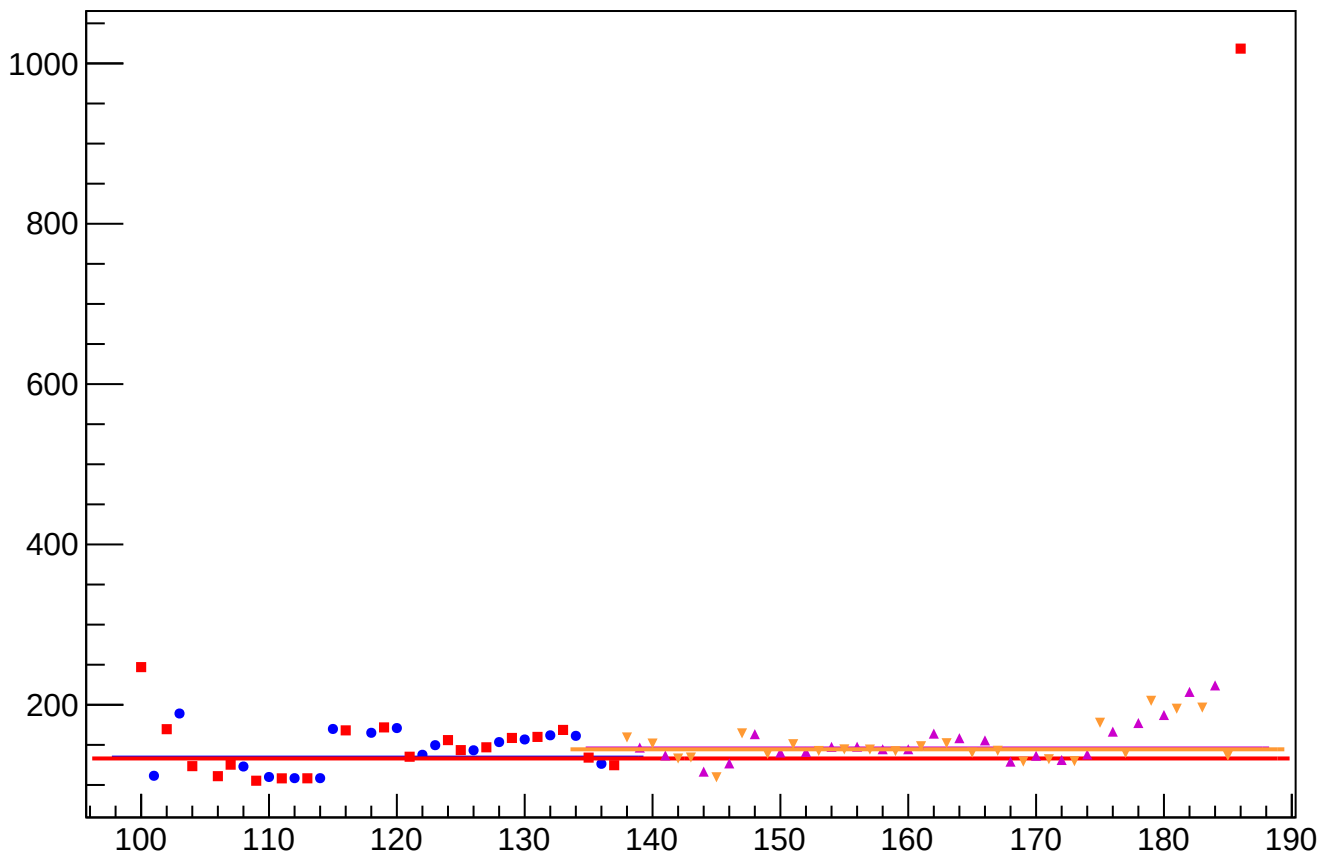
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 35.705 ± 28.653 χ^2/NDF : 52.3/41

All: -9.216 ± 20.381 χ^2/NDF : 96.5/84

- sign -55.216 ± 28.995 χ^2/NDF : 39.3/42

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.122 $\pm$ 0.037 χ^2 /NDF: 402473.7/16

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 133.055 $\pm$ 0.036 χ^2 /NDF: 1001281.9/19

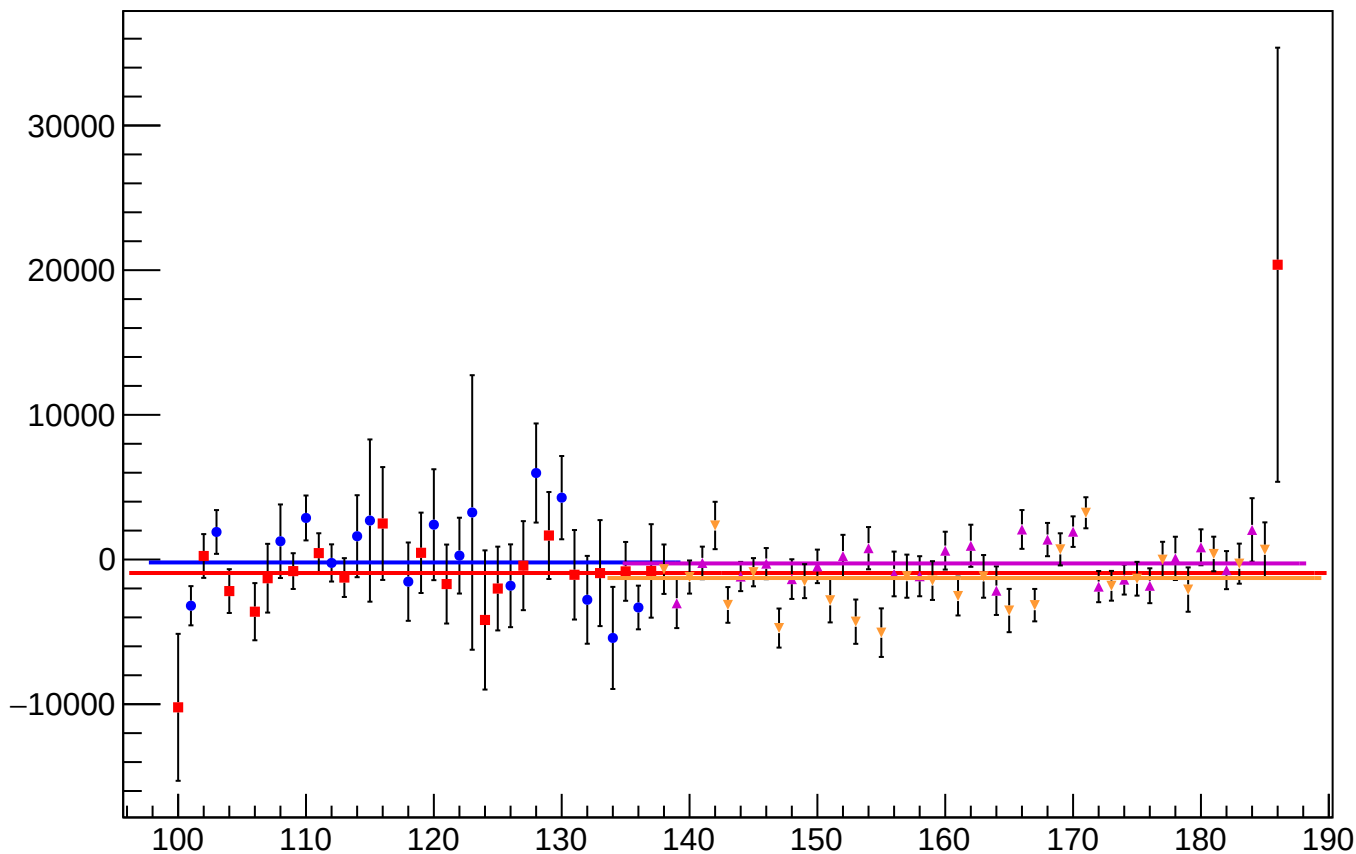
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 141.452 $\pm$ 0.020 χ^2 /NDF: 1126947.1/41

All: 141.468 $\pm$ 0.014 χ^2 /NDF: 2852971.9/84

- sign 141.485 $\pm$ 0.021 χ^2 /NDF: 1726023.5/42

asym_sam_48_avg_correction_mean vs Slug



Right In: -201.740 ± 524.888 χ^2/NDF : 25.8/16

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -931.858 ± 481.328 χ^2/NDF : 12.0/19

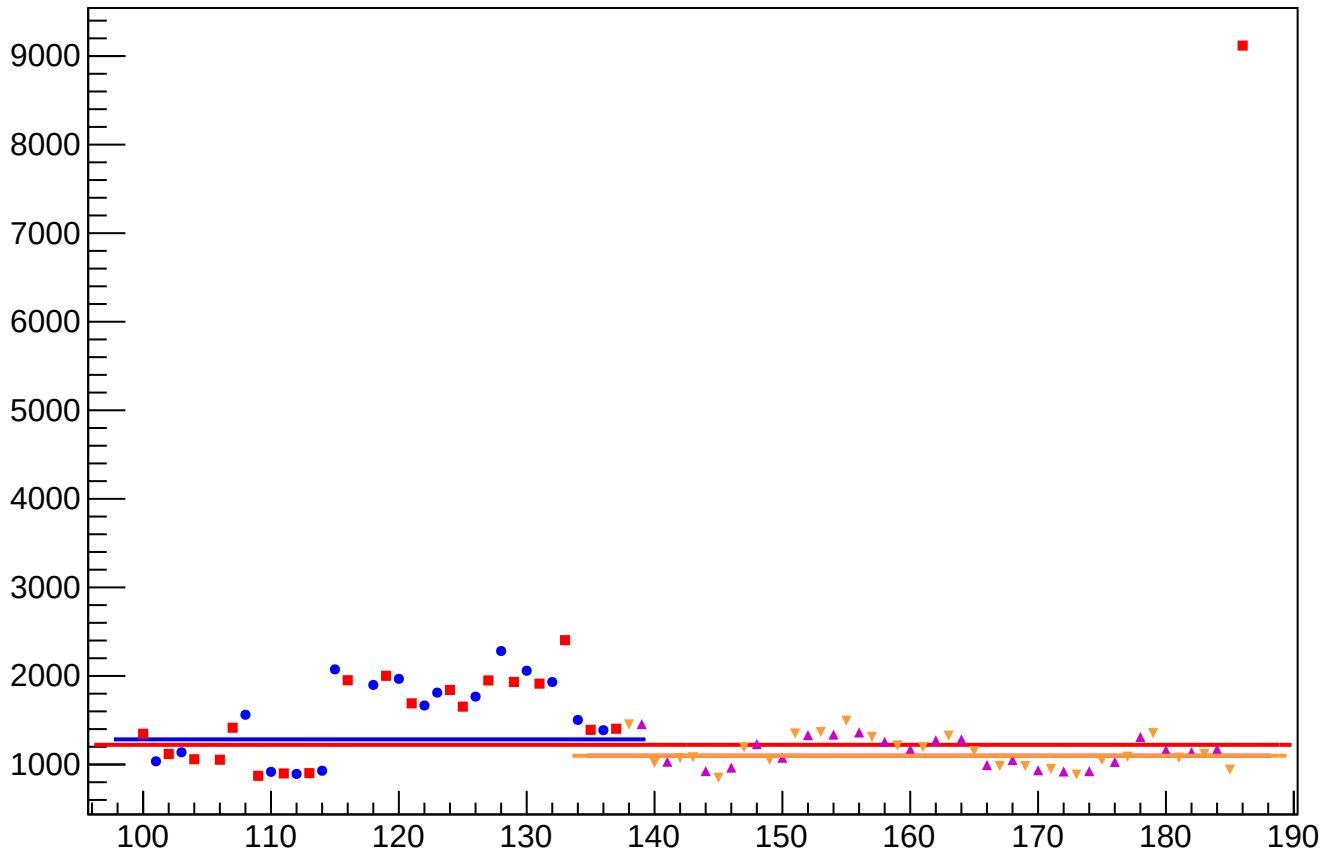
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1067.937 ± 232.479 χ^2/NDF : 85.1/41

All: -747.173 ± 164.563 χ^2/NDF : 126.7/84

- sign -425.028 ± 232.978 χ^2/NDF : 37.8/42

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.882+/-0.371 χ^2 /NDF: 1171665.2/16

Left Out: 1098.909+/-0.183 χ^2 /NDF: 824328.7/24

+ sign 1135.195+/-0.164 χ^2 /NDF: 2195648.0/41

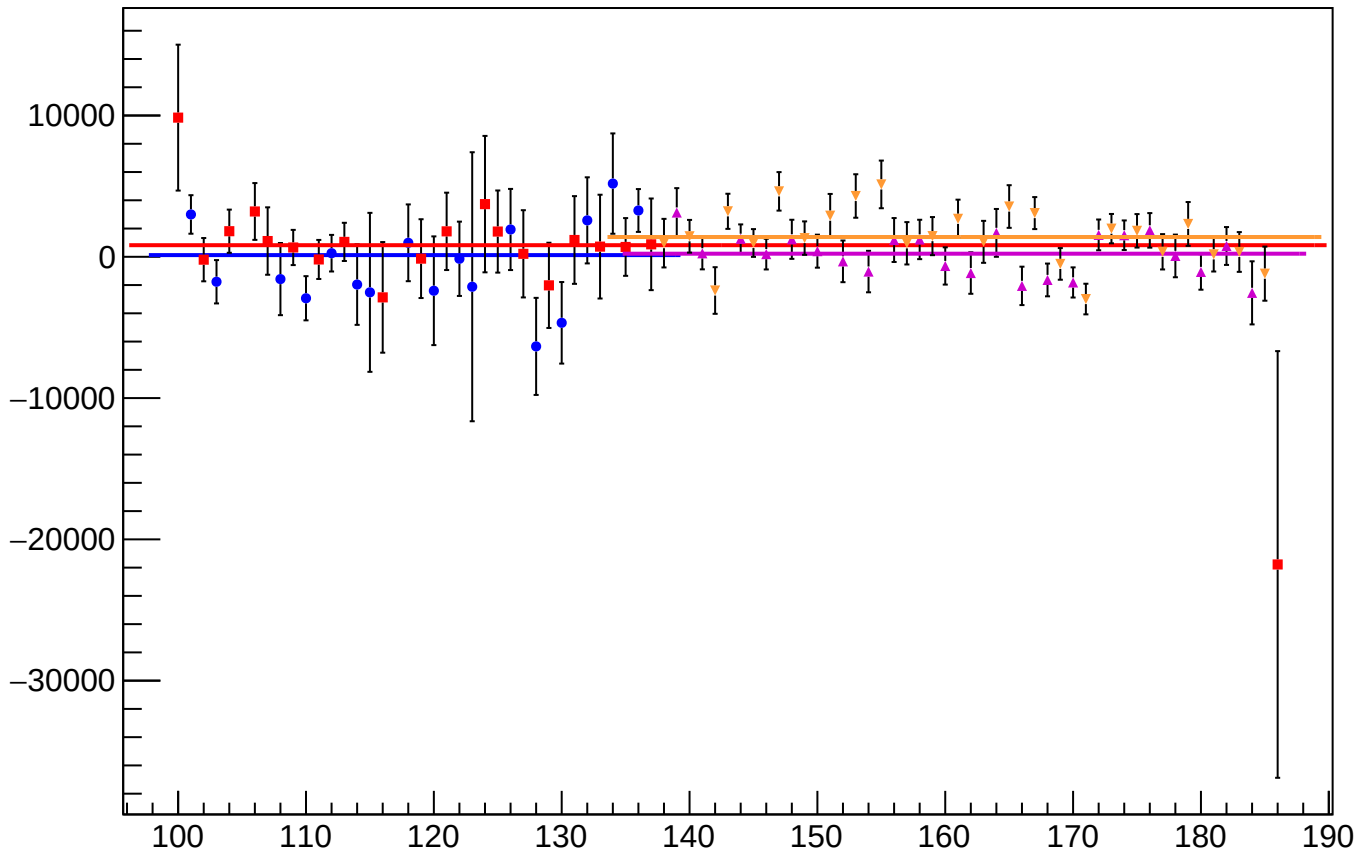
Right Out: 1222.296+/-0.340 χ^2 /NDF: 1915293.5/19

All: 1131.772+/-0.116 χ^2 /NDF: 4891242.6/84

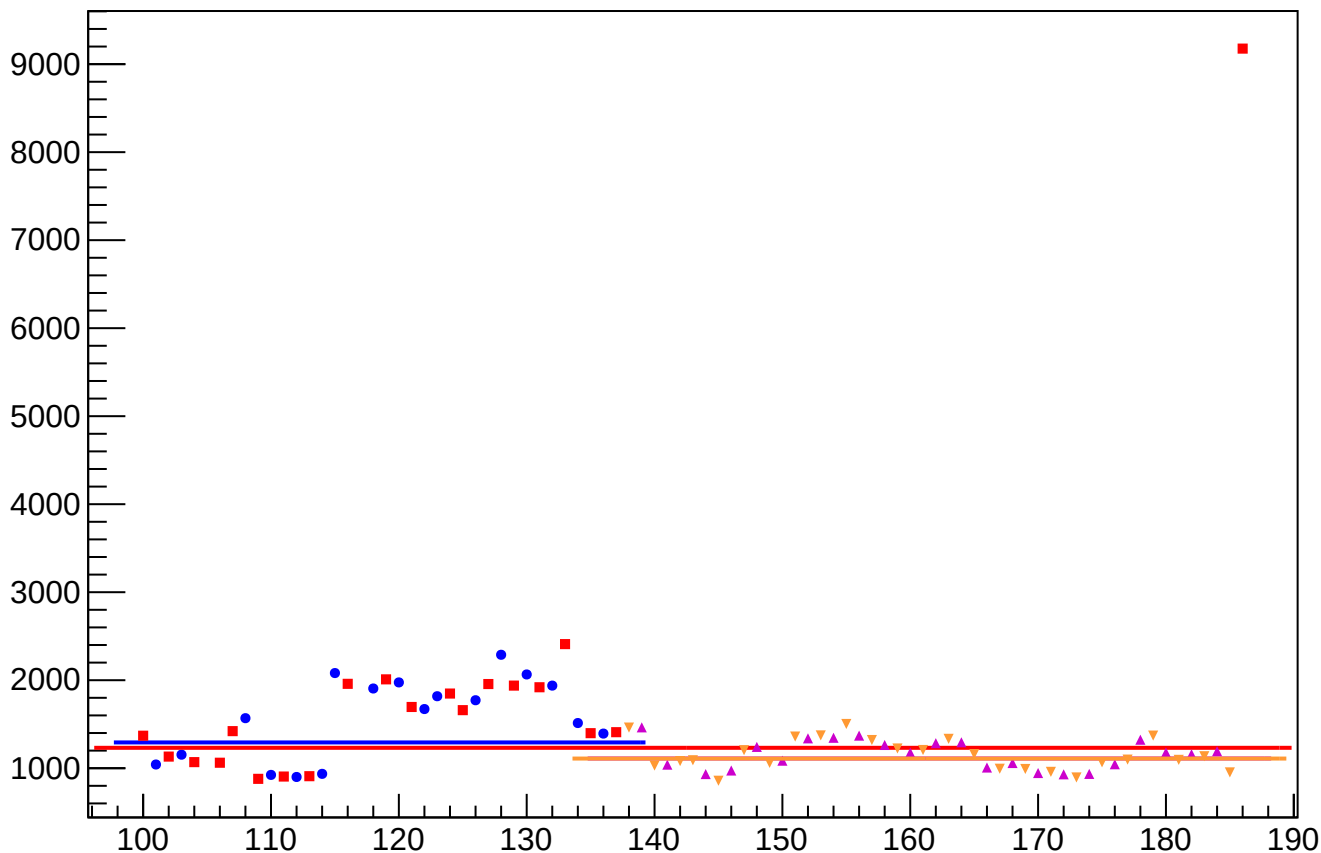
Left In: 1099.585+/-0.188 χ^2 /NDF: 679896.1/22

- sign 1128.335+/-0.165 χ^2 /NDF: 2694725.6/42

asym_sam_48_avg_mean vs Slug



asym_sam_48_avg_rms vs Slug



Right In: 1292.993 $\pm$ 0.374 χ^2 /NDF: 1158775.5/16

Left Out: 1109.761 $\pm$ 0.185 χ^2 /NDF: 812174.9/24

Right Out: 1231.918 $\pm$ 0.343 χ^2 /NDF: 1900028.3/19

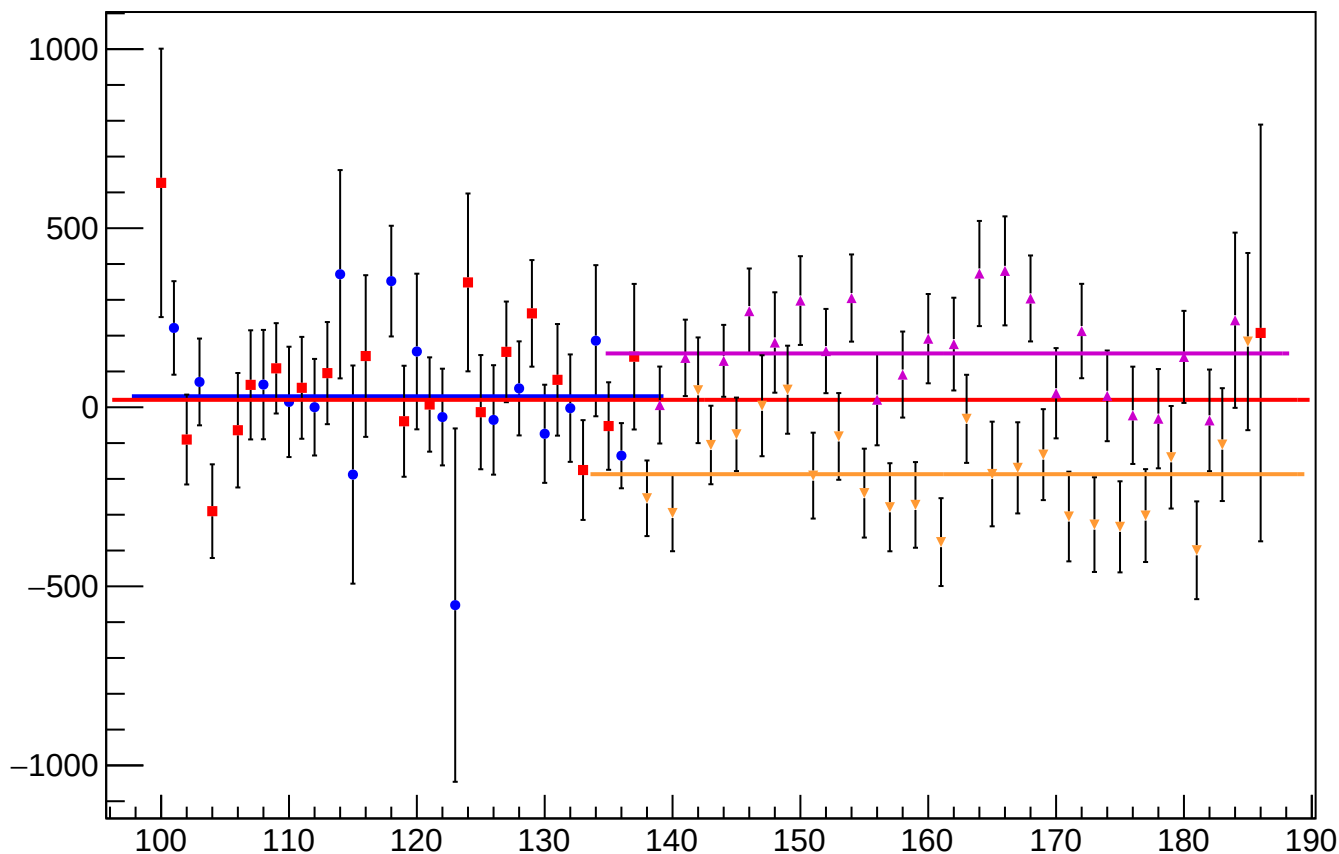
Left In: 1110.542 $\pm$ 0.190 χ^2 /NDF: 669928.9/22

+ sign 1145.887 $\pm$ 0.166 χ^2 /NDF: 2164099.6/41

All: 1142.487 $\pm$ 0.117 χ^2 /NDF: 4830711.9/84

- sign 1139.071 $\pm$ 0.166 χ^2 /NDF: 2665770.1/42

reg_asym_sam_15_dd_mean vs Slug



Right In: 30.740 $\pm$ 36.437 χ^2 /NDF: 15.2/16

Left Out: -186.838 $\pm$ 25.308 χ^2 /NDF: 26.6/24

Right Out: 20.777 $\pm$ 34.712 χ^2 /NDF: 18.9/19

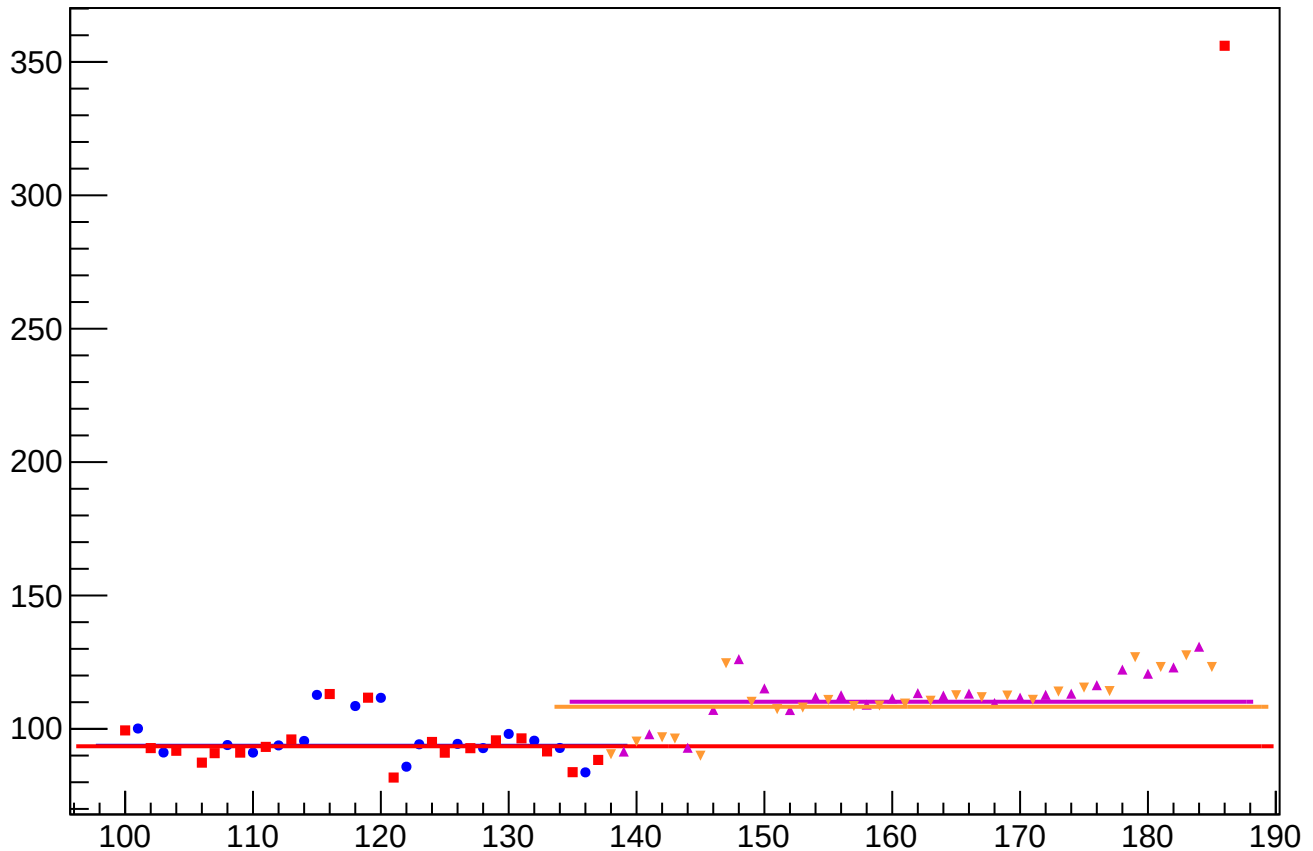
Left In: 150.315 $\pm$ 26.445 χ^2 /NDF: 20.7/22

+ sign -116.031 $\pm$ 20.786 χ^2 /NDF: 65.8/41

All: -7.951 $\pm$ 14.786 χ^2 /NDF: 169.0/84

- sign 102.743 $\pm$ 21.036 χ^2 /NDF: 48.4/42

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.670 $\pm$ 0.026 χ^2 /NDF: 79871.5/16

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 93.483 $\pm$ 0.025 χ^2 /NDF: 487698.7/19

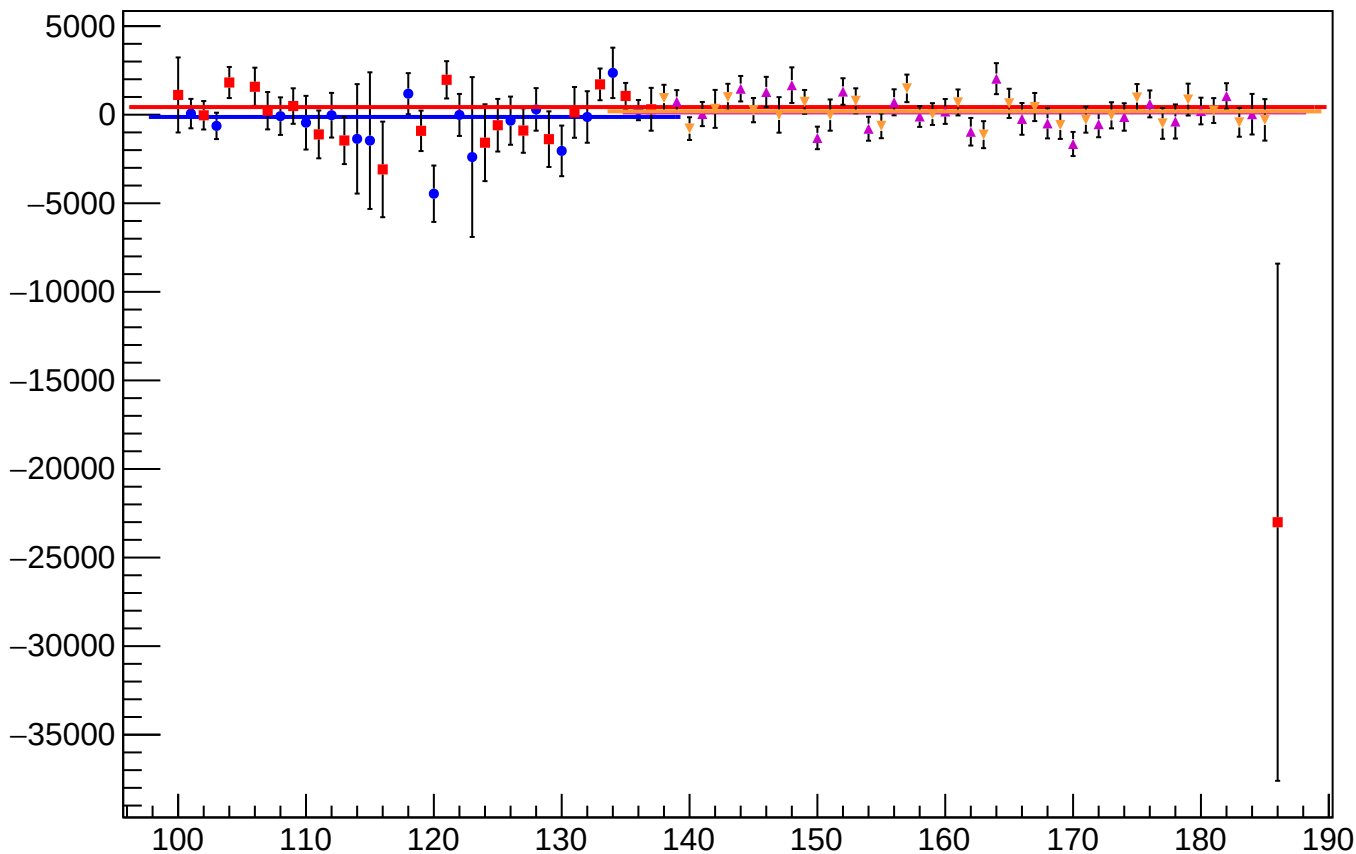
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 103.531 $\pm$ 0.015 χ^2 /NDF: 627677.9/41

All: 103.784 $\pm$ 0.010 χ^2 /NDF: 1655515.5/84

- sign 104.044 $\pm$ 0.015 χ^2 /NDF: 1027235.5/42

asym_sam_15_dd_correction_mean vs Slug



Right In: -127.998 $\pm$ 277.067 χ^2 /NDF: 15.3/16

Left Out: 185.392 $\pm$ 153.683 χ^2 /NDF: 18.4/24

Right Out: 430.619 $\pm$ 260.652 χ^2 /NDF: 21.8/19

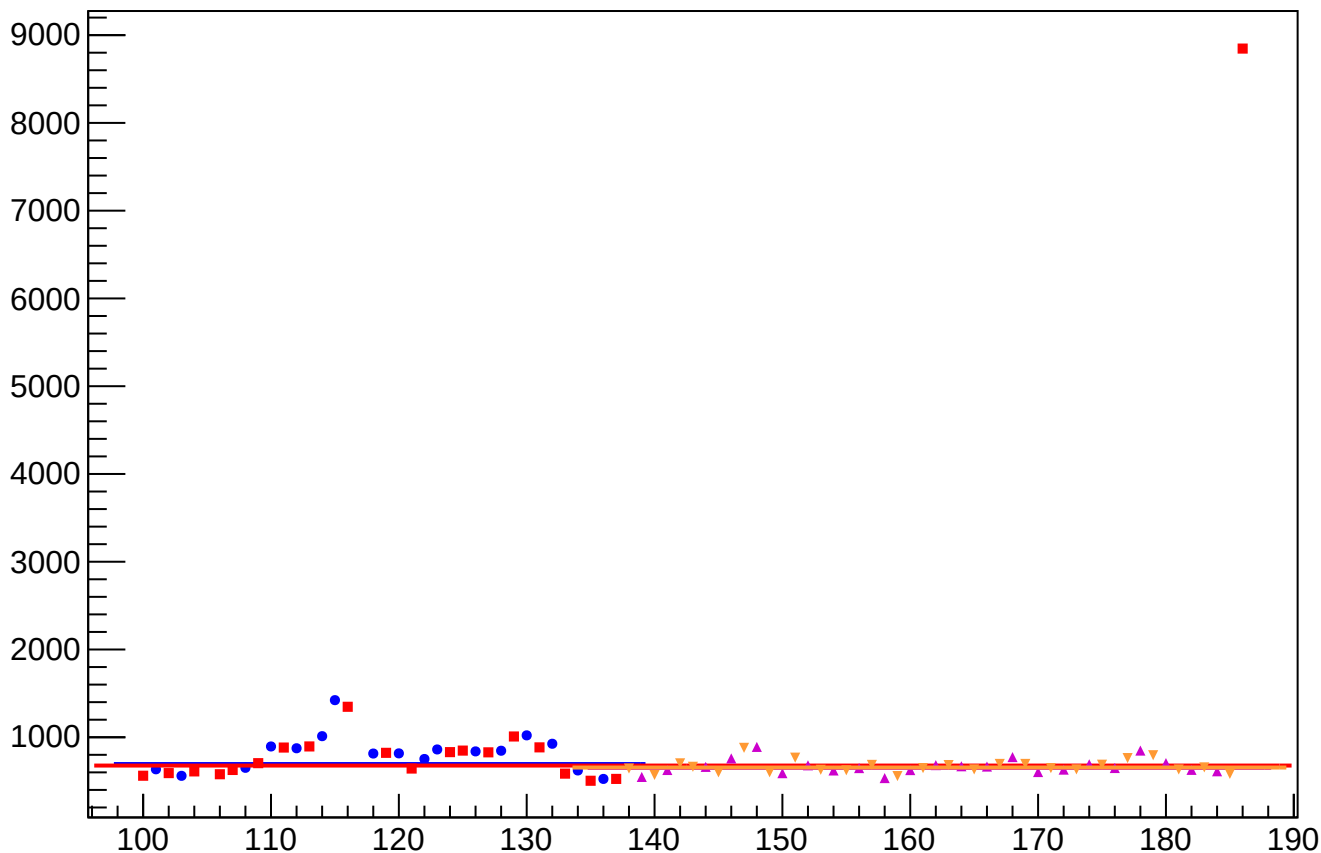
Left In: 128.782 $\pm$ 157.155 χ^2 /NDF: 36.2/22

+ sign 111.658 $\pm$ 134.393 χ^2 /NDF: 34.6/41

All: 160.386 $\pm$ 95.098 χ^2 /NDF: 93.9/84

- sign 209.254 $\pm$ 134.585 χ^2 /NDF: 59.0/42

asym_sam_15_dd_correction_rms vs Slug



Right In: 694.803 $\pm$ 0.196 χ^2 /NDF: 677838.4/16

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 677.592 $\pm$ 0.184 χ^2 /NDF: 1306343.2/19

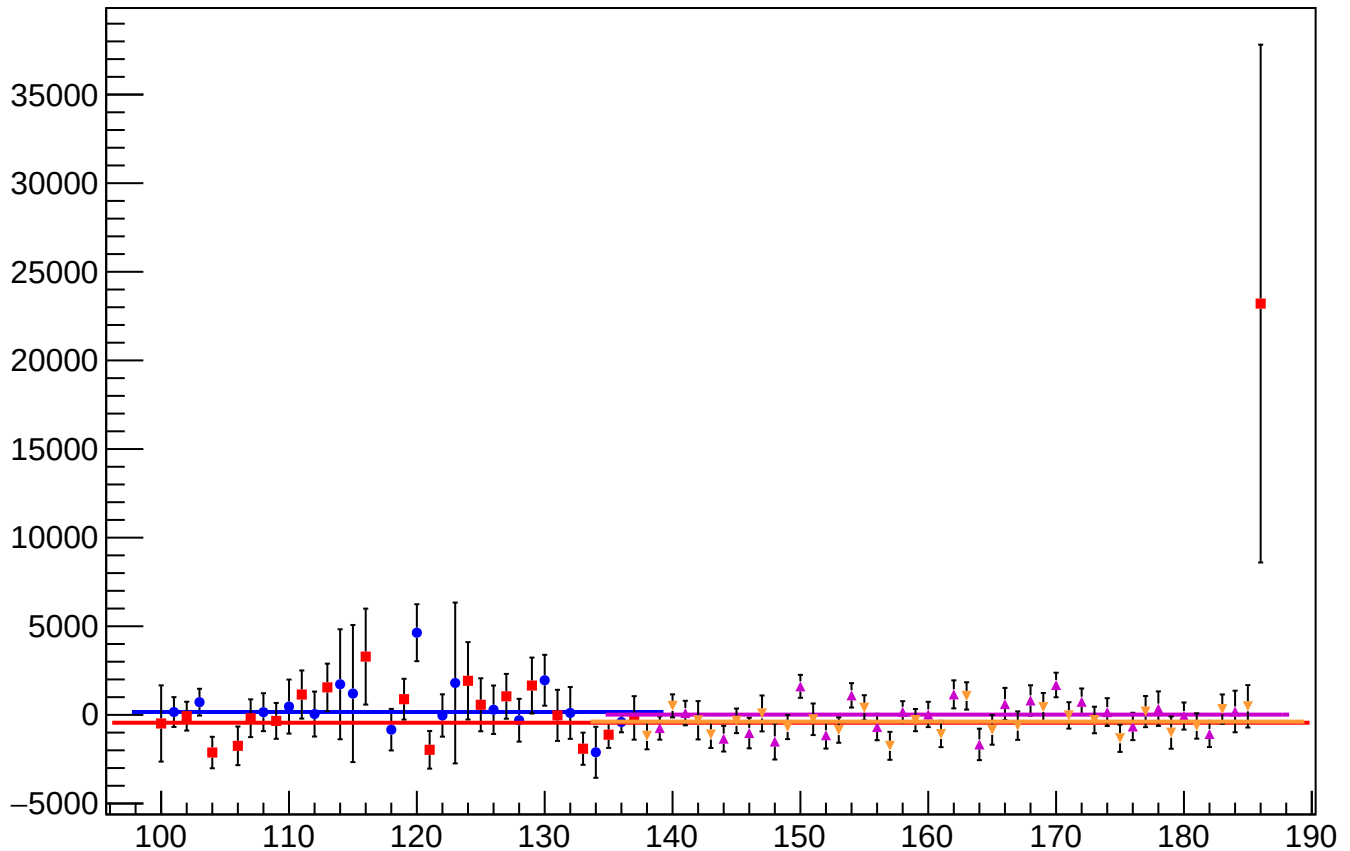
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 664.483 $\pm$ 0.095 χ^2 /NDF: 1076506.0/41

All: 661.248 $\pm$ 0.067 χ^2 /NDF: 2866688.1/84

- sign 658.004 $\pm$ 0.095 χ^2 /NDF: 1787860.8/42

asym_sam_15_dd_mean vs Slug



Right In: 163.513 ± 279.836 $\chi^2/\text{NDF}: 14.7/16$

Left Out: -379.470 ± 155.892 $\chi^2/\text{NDF}: 18.8/24$

Right Out: -443.202 ± 263.343 $\chi^2/\text{NDF}: 25.2/19$

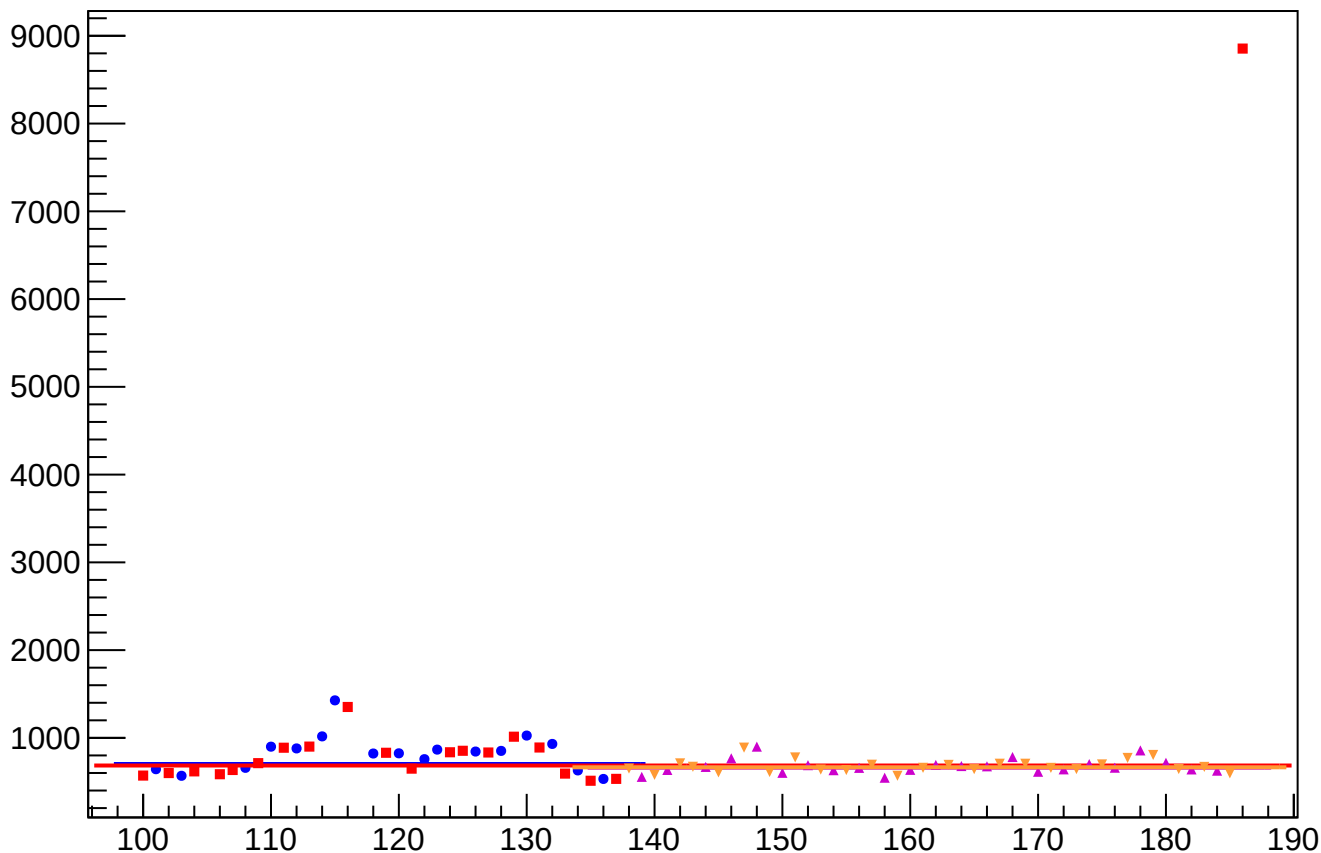
Left In: 14.768 ± 159.513 $\chi^2/\text{NDF}: 37.2/22$

+ sign -250.870 ± 136.186 $\chi^2/\text{NDF}: 36.4/41$

All: -179.645 ± 96.386 $\chi^2/\text{NDF}: 101.5/84$

- sign -108.160 ± 136.436 $\chi^2/\text{NDF}: 64.6/42$

asym_sam_15_dd_rms vs Slug



Right In: 702.265 $\pm$ 0.198 χ^2 /NDF: 660691.4/16

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 685.161 $\pm$ 0.186 χ^2 /NDF: 1288451.6/19

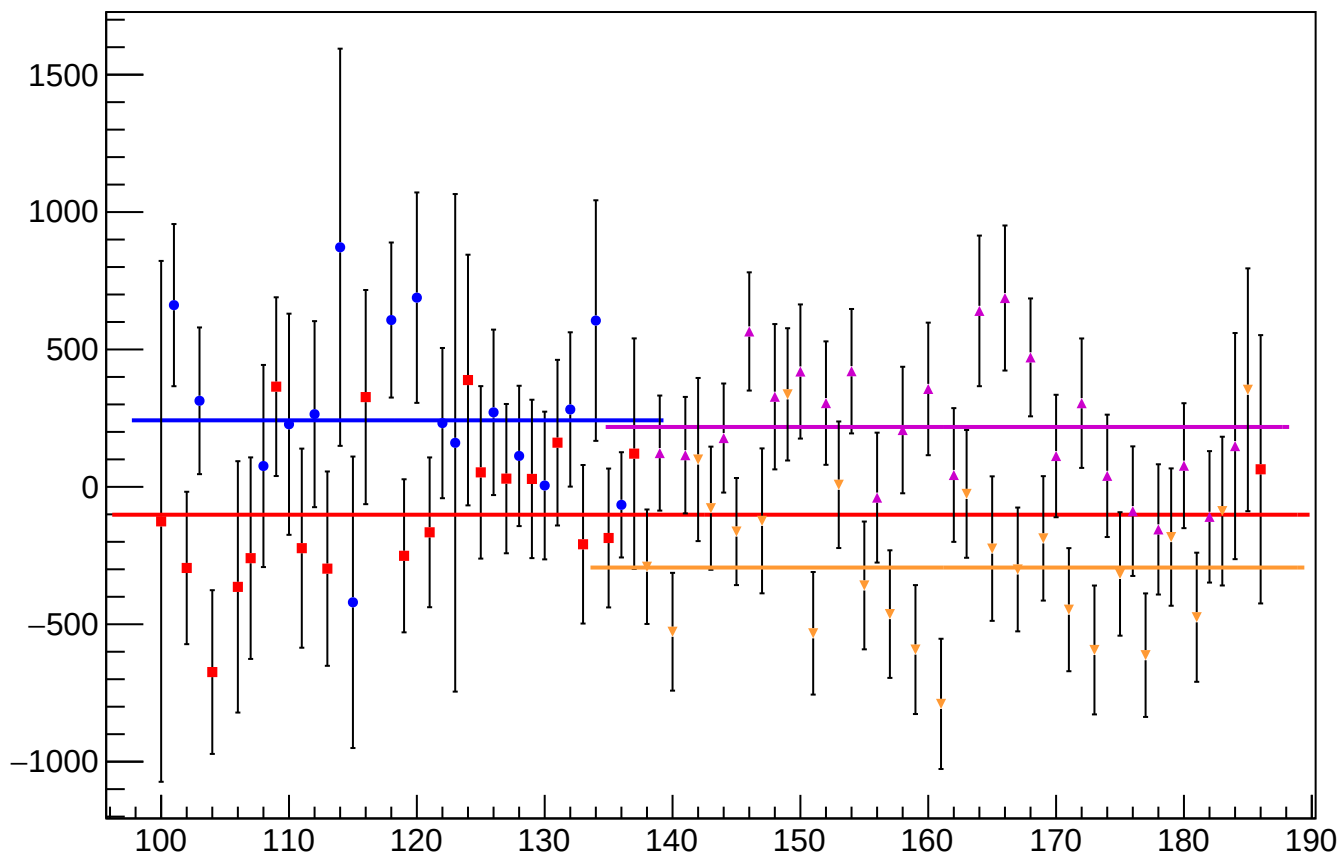
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 673.652 $\pm$ 0.096 χ^2 /NDF: 1045144.3/41

All: 670.534 $\pm$ 0.068 χ^2 /NDF: 2797304.7/84

- sign 667.405 $\pm$ 0.096 χ^2 /NDF: 1750059.8/42

reg_asym_sam_26_dd_mean vs Slug



Right In: 242.121 ± 76.105 $\chi^2/\text{NDF}: 12.0/16$

Left Out: -293.590 ± 47.203 $\chi^2/\text{NDF}: 30.3/24$

Right Out: -101.348 ± 73.576 $\chi^2/\text{NDF}: 12.0/19$

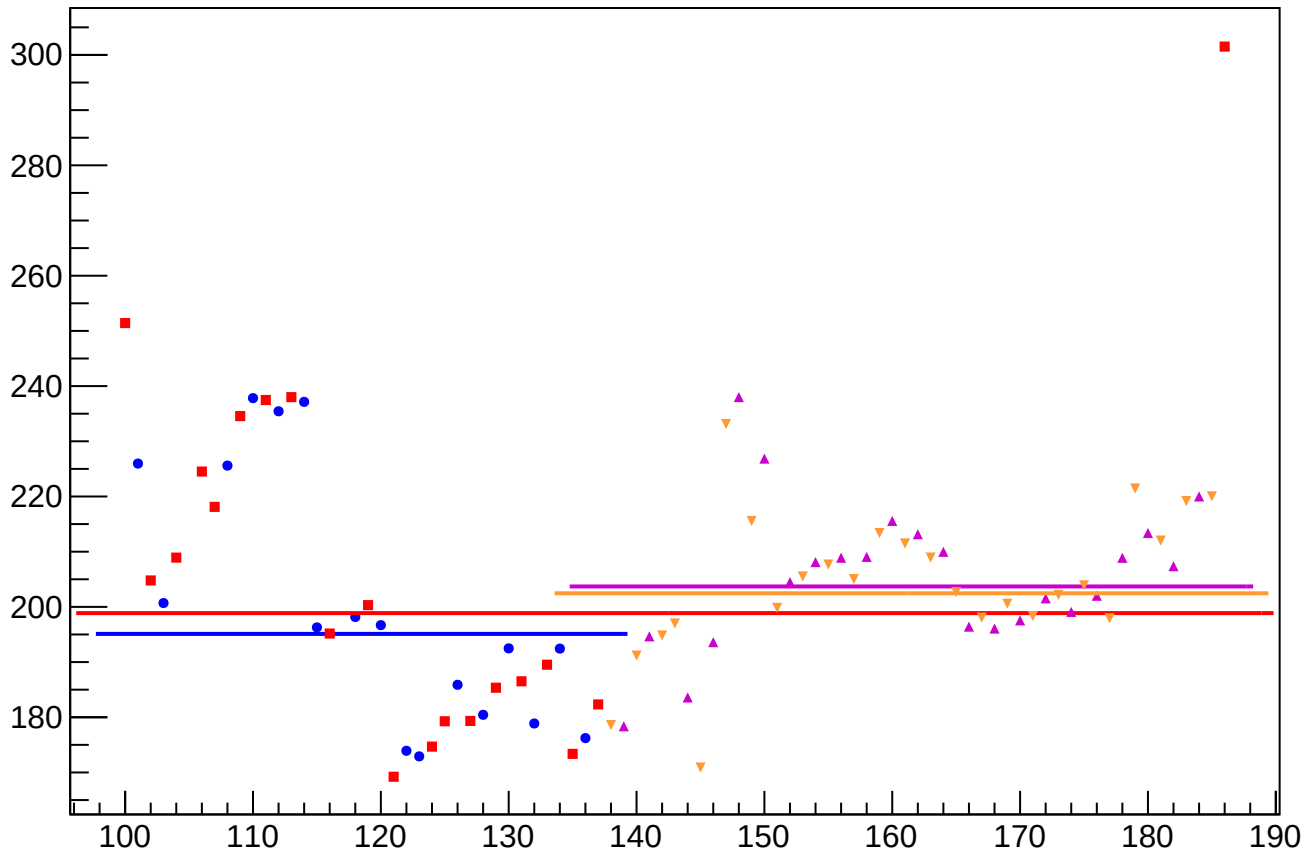
Left In: 217.964 ± 48.819 $\chi^2/\text{NDF}: 21.3/22$

+ sign -144.762 ± 40.114 $\chi^2/\text{NDF}: 78.1/41$

All: -14.057 ± 28.562 $\chi^2/\text{NDF}: 146.0/84$

- sign 120.358 ± 40.679 $\chi^2/\text{NDF}: 46.3/42$

reg_asym_sam_26_dd_rms vs Slug



Right In: 195.104 $\pm$ 0.054 χ^2 /NDF: 142538.2/16

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 198.873 $\pm$ 0.052 χ^2 /NDF: 261820.1/19

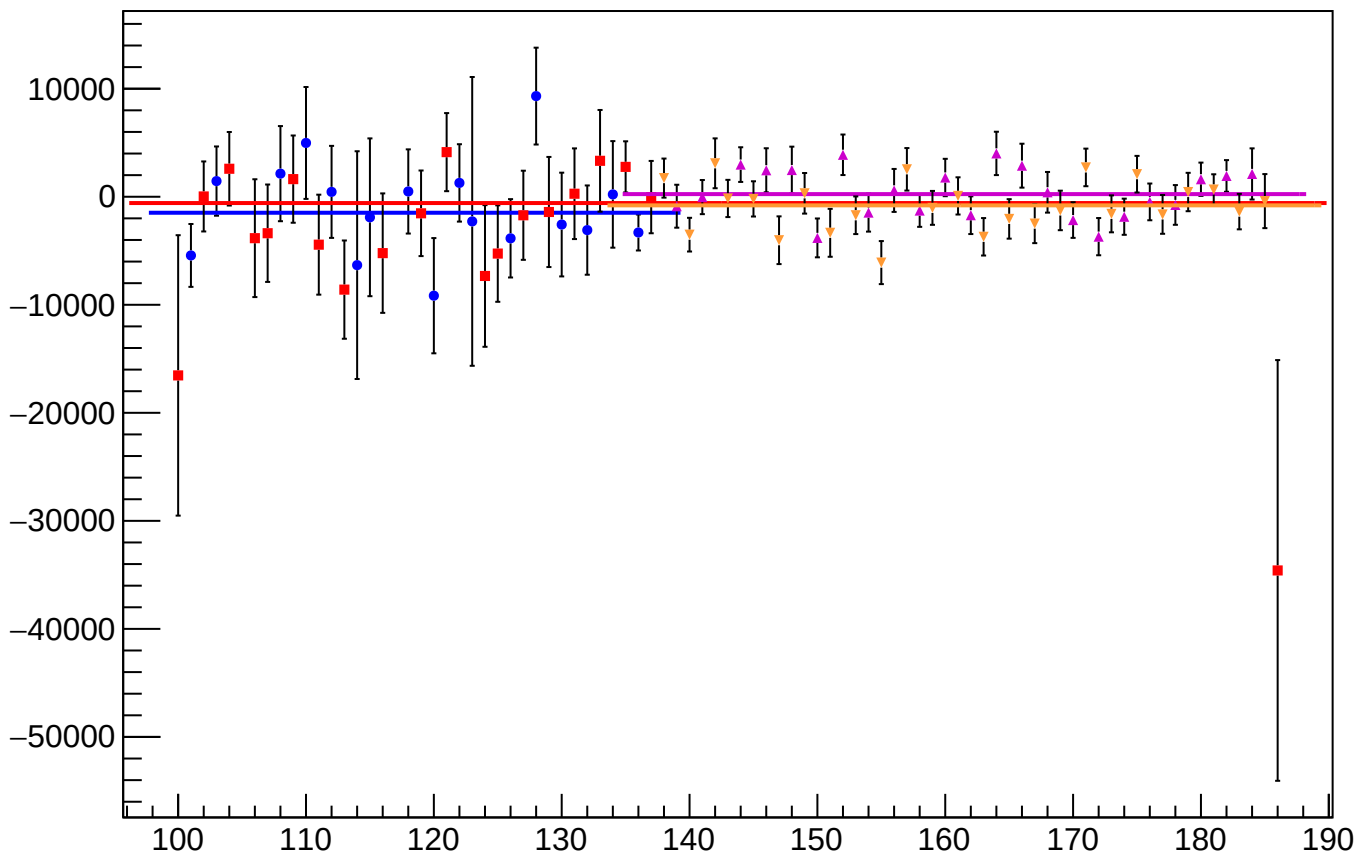
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 200.415 $\pm$ 0.028 χ^2 /NDF: 314607.6/41

All: 201.307 $\pm$ 0.020 χ^2 /NDF: 720598.8/84

- sign 202.224 $\pm$ 0.029 χ^2 /NDF: 403988.0/42

asym_sam_26_dd_correction_mean vs Slug



Right In: -1480.760 ± 912.560 χ^2/NDF : 16.0/16

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -582.409 ± 935.461 χ^2/NDF : 17.8/19

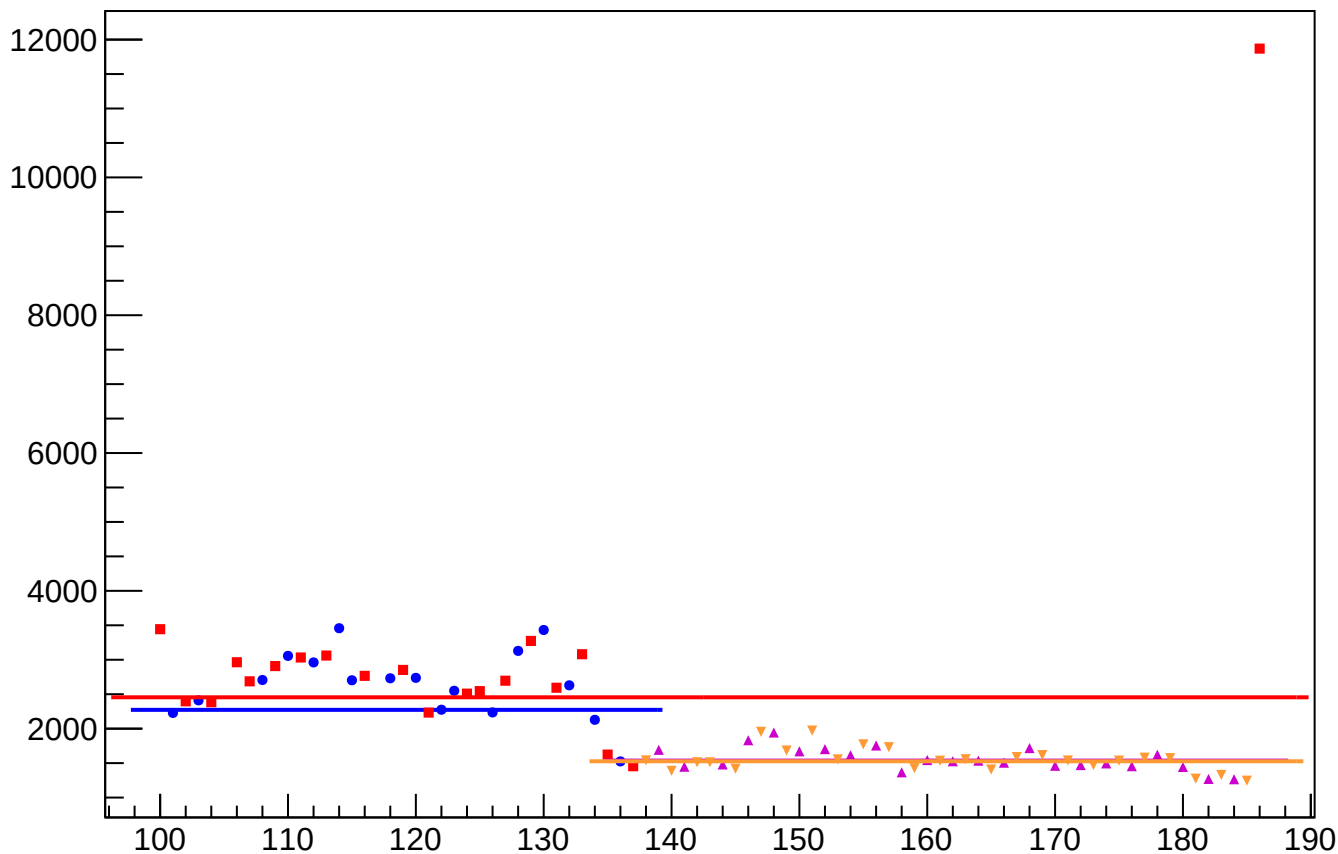
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -887.722 ± 333.152 χ^2/NDF : 52.2/41

All: -393.506 ± 239.297 χ^2/NDF : 110.9/84

- sign 133.238 ± 343.941 χ^2/NDF : 54.2/42

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.950+/-0.645 χ^2/NDF : 806901.4/16

Left Out: 1526.712+/-0.253 χ^2/NDF : 394892.7/24

Right Out: 2455.028+/-0.661 χ^2/NDF : 1151368.0/19

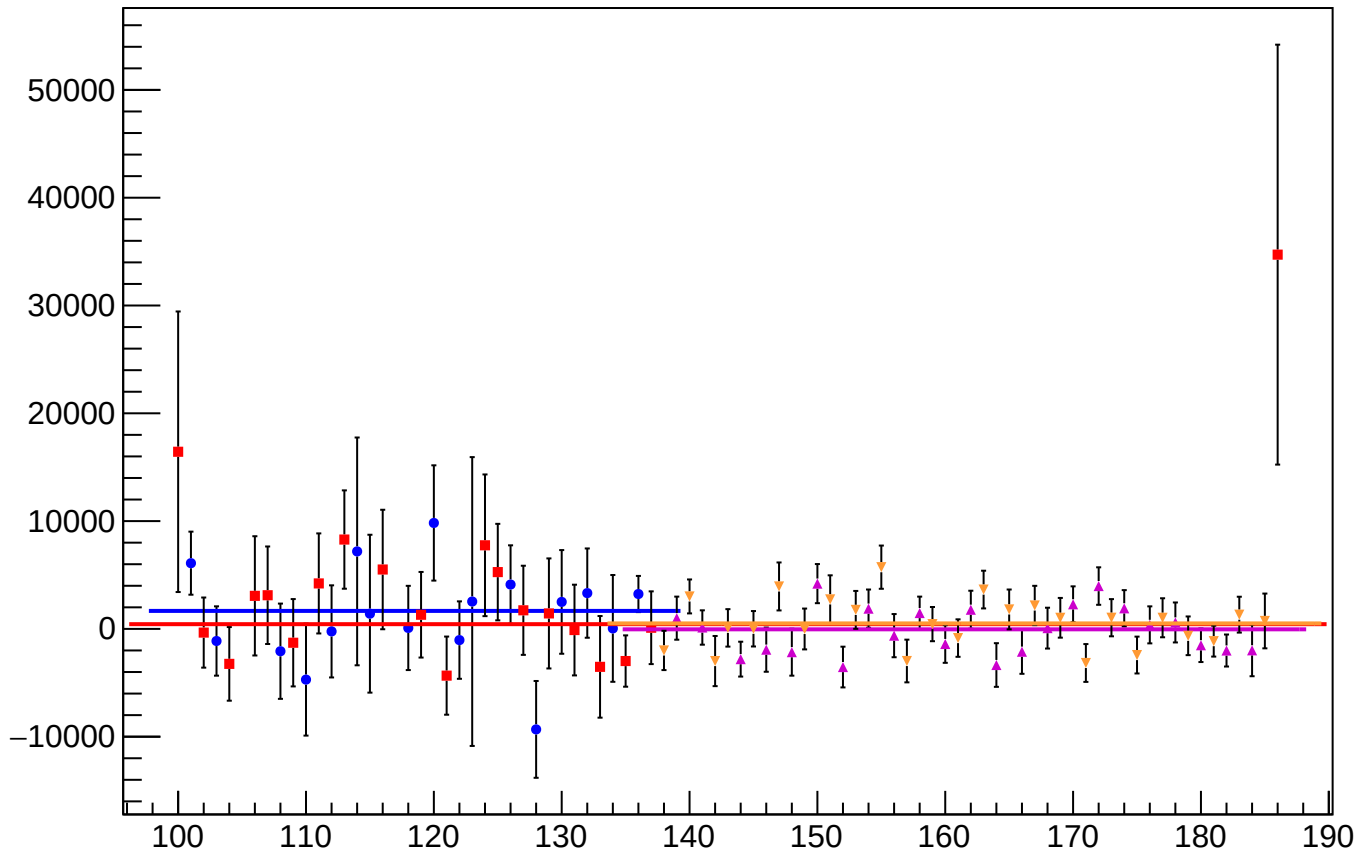
Left In: 1536.538+/-0.262 χ^2/NDF : 350373.3/22

+ sign 1626.169+/-0.236 χ^2/NDF : 2360950.7/41

All: 1642.885+/-0.169 χ^2/NDF : 5540543.8/84

- sign 1660.700+/-0.243 χ^2/NDF : 3169192.2/42

asym_sam_26_dd_mean vs Slug



Right In: 1668.629 $\pm$ 916.594 χ^2 /NDF: 16.4/16

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 438.587 $\pm$ 939.273 χ^2 /NDF: 18.2/19

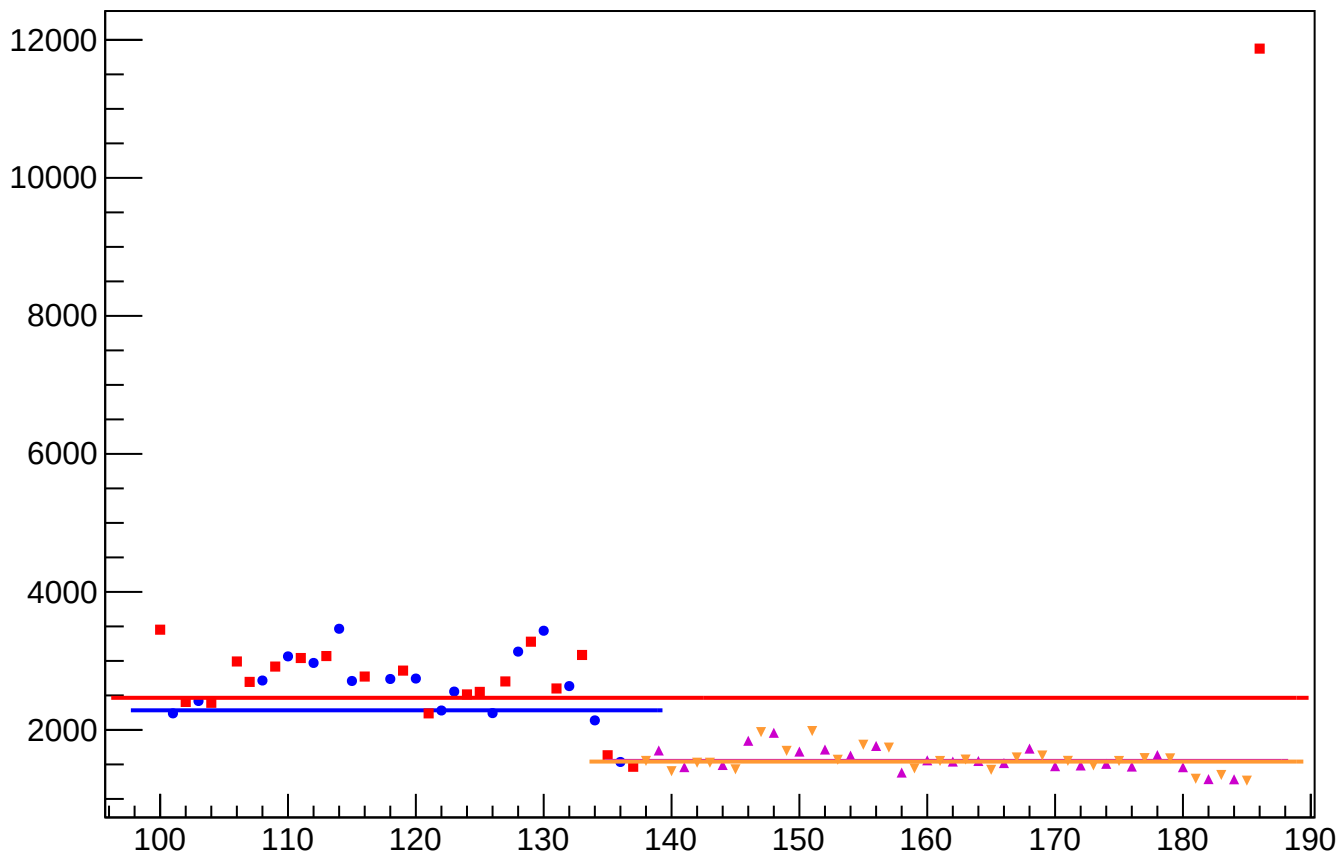
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 663.970 $\pm$ 336.027 χ^2 /NDF: 53.2/41

All: 354.732 $\pm$ 241.351 χ^2 /NDF: 106.9/84

- sign 25.203 $\pm$ 346.875 χ^2 /NDF: 52.0/42

asym_sam_26_dd_rms vs Slug



Right In: 2284.187+/-0.648 χ^2/NDF : 795230.1/16

Left Out: 1541.258+/-0.255 χ^2/NDF : 382045.4/24

Right Out: 2465.371+/-0.664 χ^2/NDF : 1142558.3/19

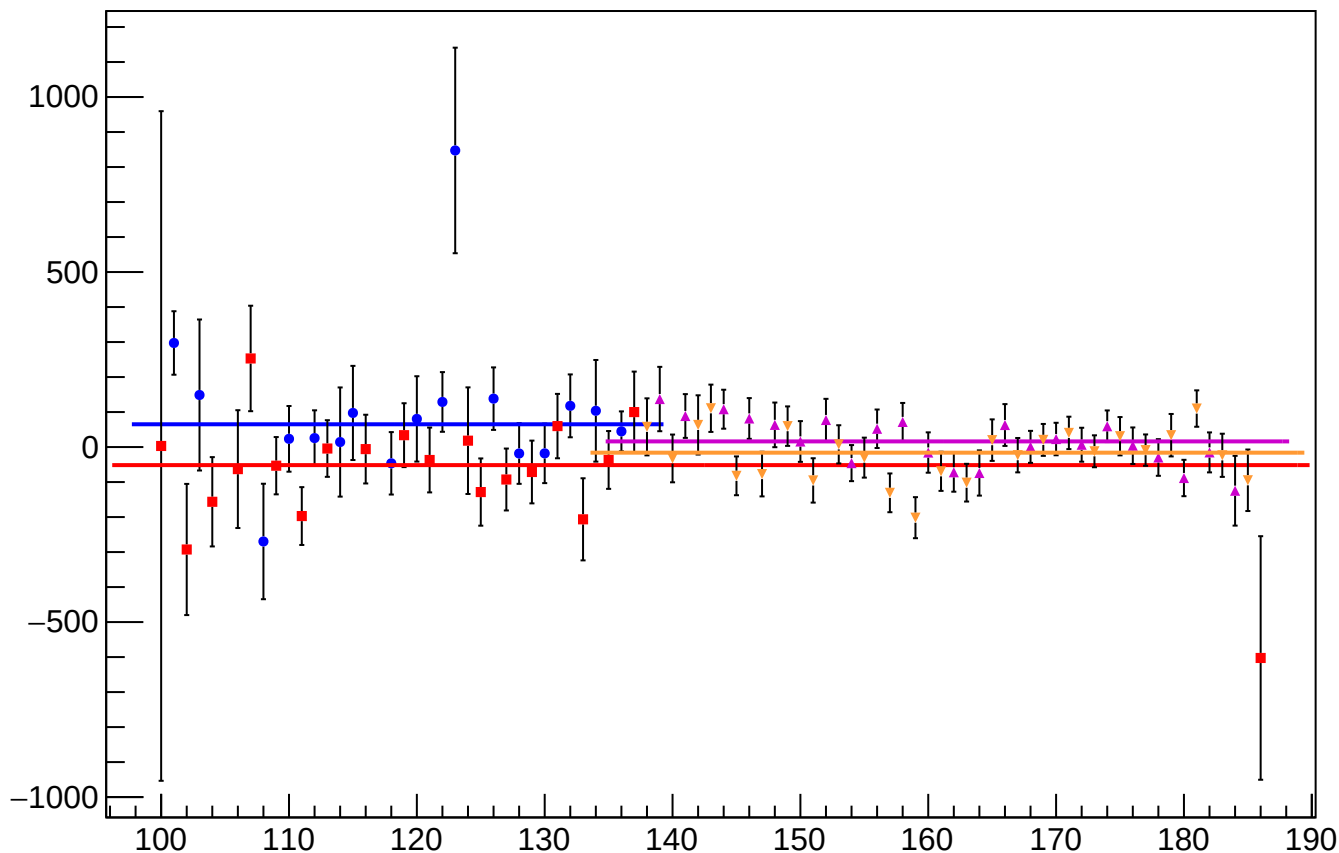
Left In: 1551.063+/-0.264 χ^2/NDF : 338898.9/22

+ sign 1641.107+/-0.238 χ^2/NDF : 2314612.0/41

All: 1657.883+/-0.171 χ^2/NDF : 5443003.2/84

- sign 1675.760+/-0.245 χ^2/NDF : 3118093.9/42

reg_asym_sam_37_dd_mean vs Slug



Right In: 65.082 ± 23.794 χ^2/NDF : 23.8/16

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -51.591 ± 23.676 χ^2/NDF : 19.6/19

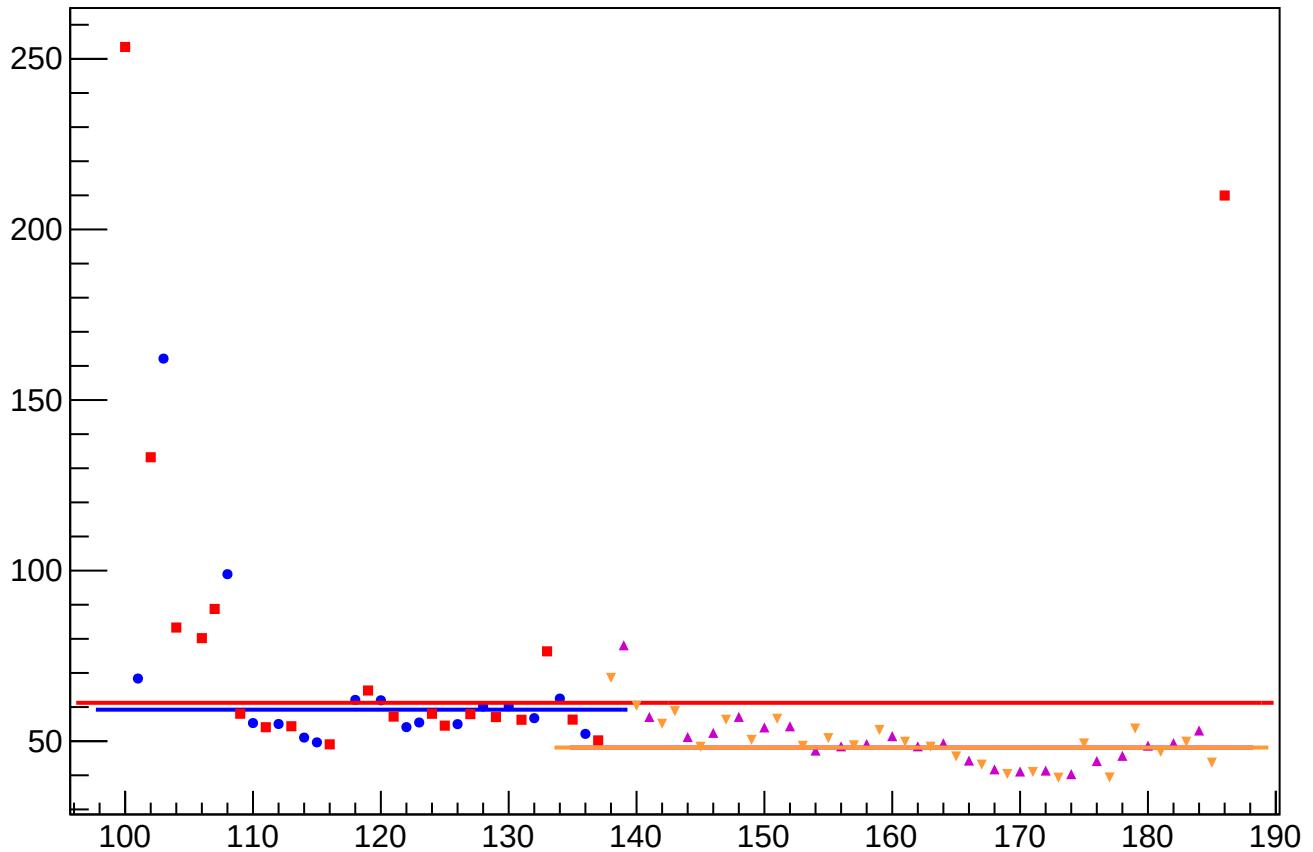
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -1.032 ± 10.237 χ^2/NDF : 72.9/41

All: 0.920 ± 7.314 χ^2/NDF : 124.4/84

- sign 2.956 ± 10.453 χ^2/NDF : 51.4/42

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.236 $\pm$ 0.017 χ^2 /NDF: 665304.8/16

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 61.250 $\pm$ 0.017 χ^2 /NDF: 1045278.3/19

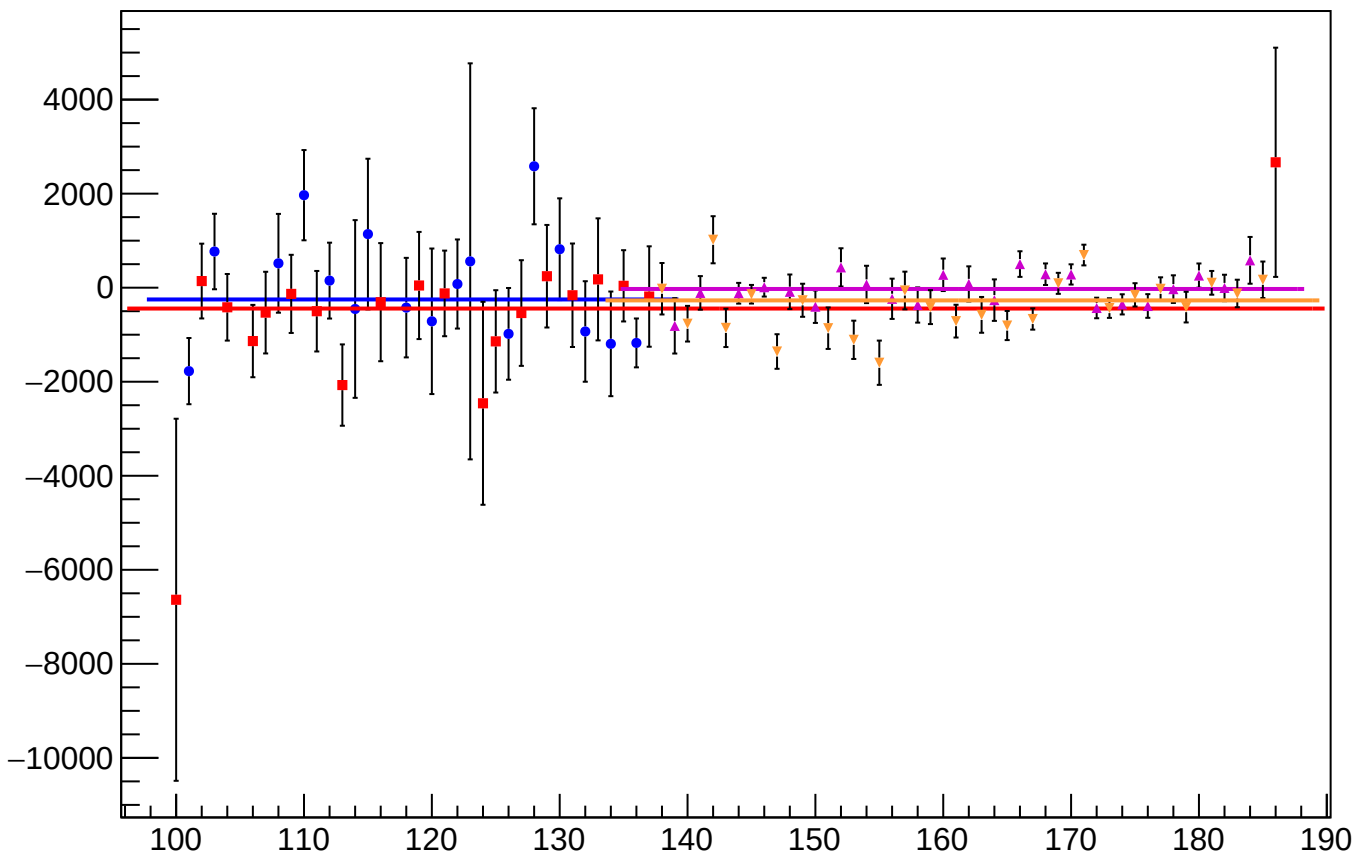
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 50.194 $\pm$ 0.007 χ^2 /NDF: 1674927.3/41

All: 50.439 $\pm$ 0.005 χ^2 /NDF: 3791299.0/84

- sign 50.694 $\pm$ 0.007 χ^2 /NDF: 2114034.2/42

asym_sam_37_dd_correction_mean vs Slug



Right In: -250.295 ± 234.463 χ^2/NDF : 24.6/16

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -443.706 ± 221.875 χ^2/NDF : 12.0/19

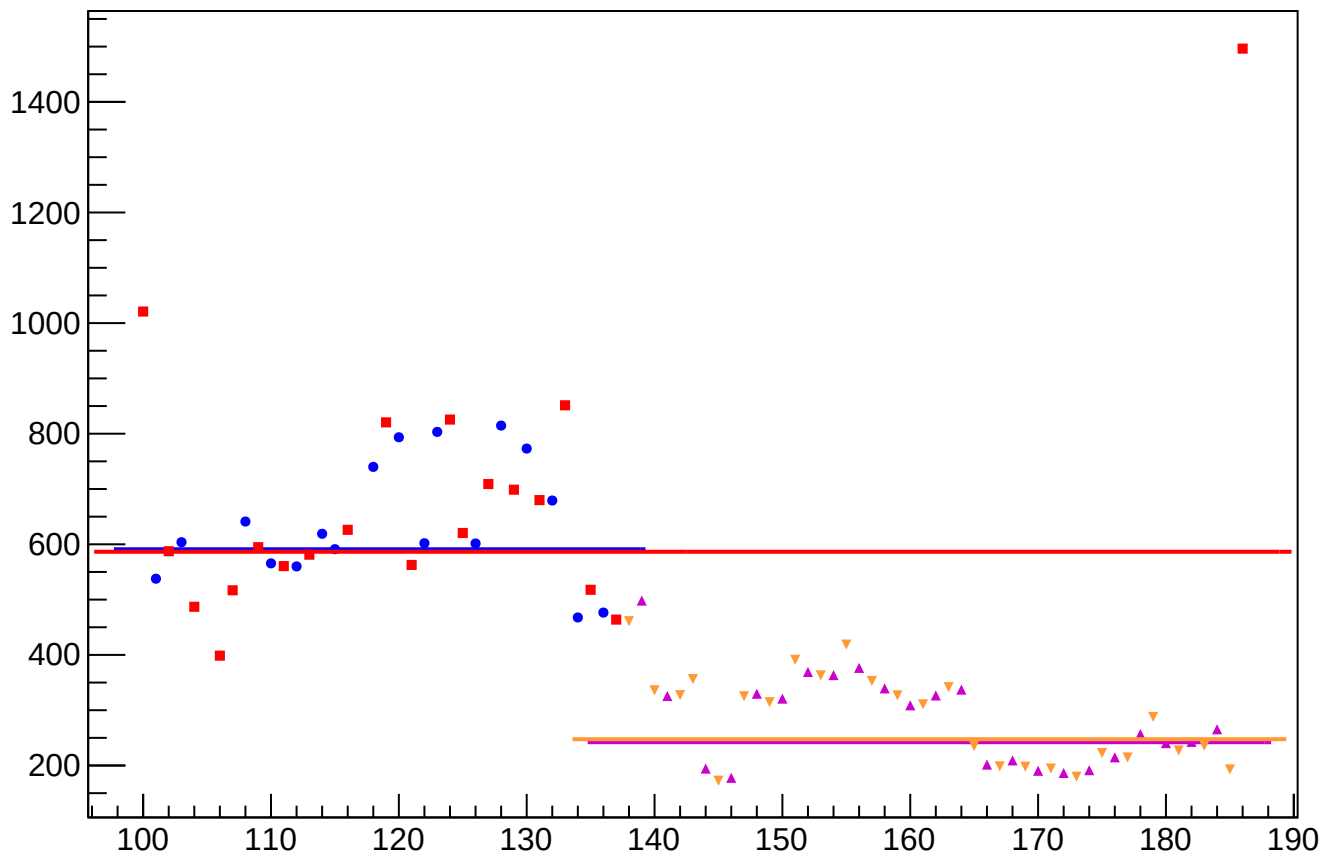
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -268.983 ± 58.288 χ^2/NDF : 94.7/41

All: -162.539 ± 41.222 χ^2/NDF : 141.7/84

- sign -56.029 ± 58.306 χ^2/NDF : 40.4/42

asym_sam_37_dd_correction_rms vs Slug



Right In: 591.003 ± 0.166 $\chi^2/\text{NDF}: 358207.6/16$

Left Out: 247.570 ± 0.043 $\chi^2/\text{NDF}: 2780931.0/24$

Right Out: 586.538 ± 0.157 $\chi^2/\text{NDF}: 777362.5/19$

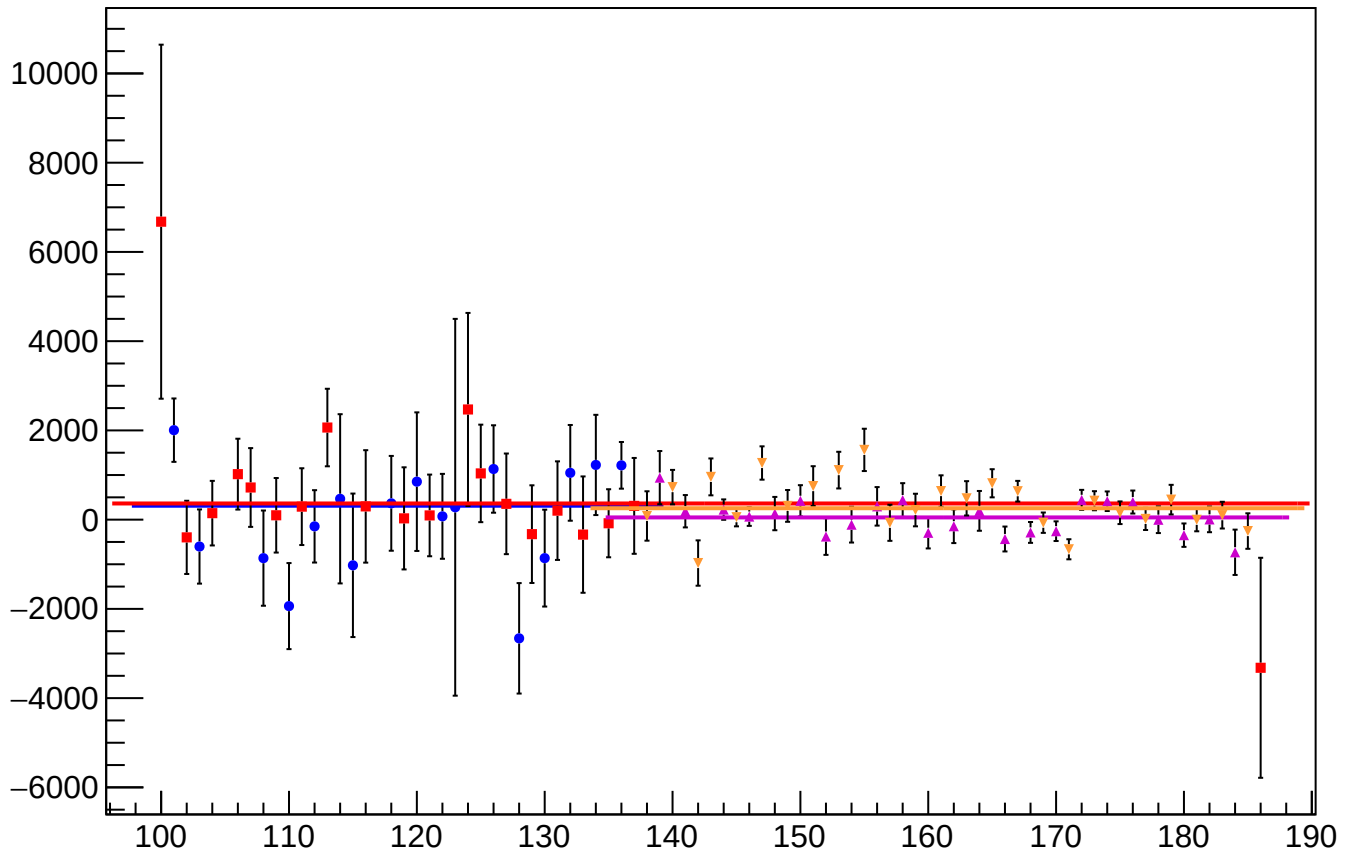
Left In: 242.117 ± 0.043 $\chi^2/\text{NDF}: 2466108.9/22$

+ sign 268.796 ± 0.041 $\chi^2/\text{NDF}: 7164992.5/41$

All: 267.349 ± 0.029 $\chi^2/\text{NDF}: 14897494.2/84$

- sign 265.902 ± 0.041 $\chi^2/\text{NDF}: 7730037.6/42$

asym_sam_37_dd_mean vs Slug



Right In: 312.362 ± 236.449 χ^2/NDF : 26.5/16

Left Out: 255.995 ± 61.418 χ^2/NDF : 63.6/24

Right Out: 362.500 ± 224.418 χ^2/NDF : 13.1/19

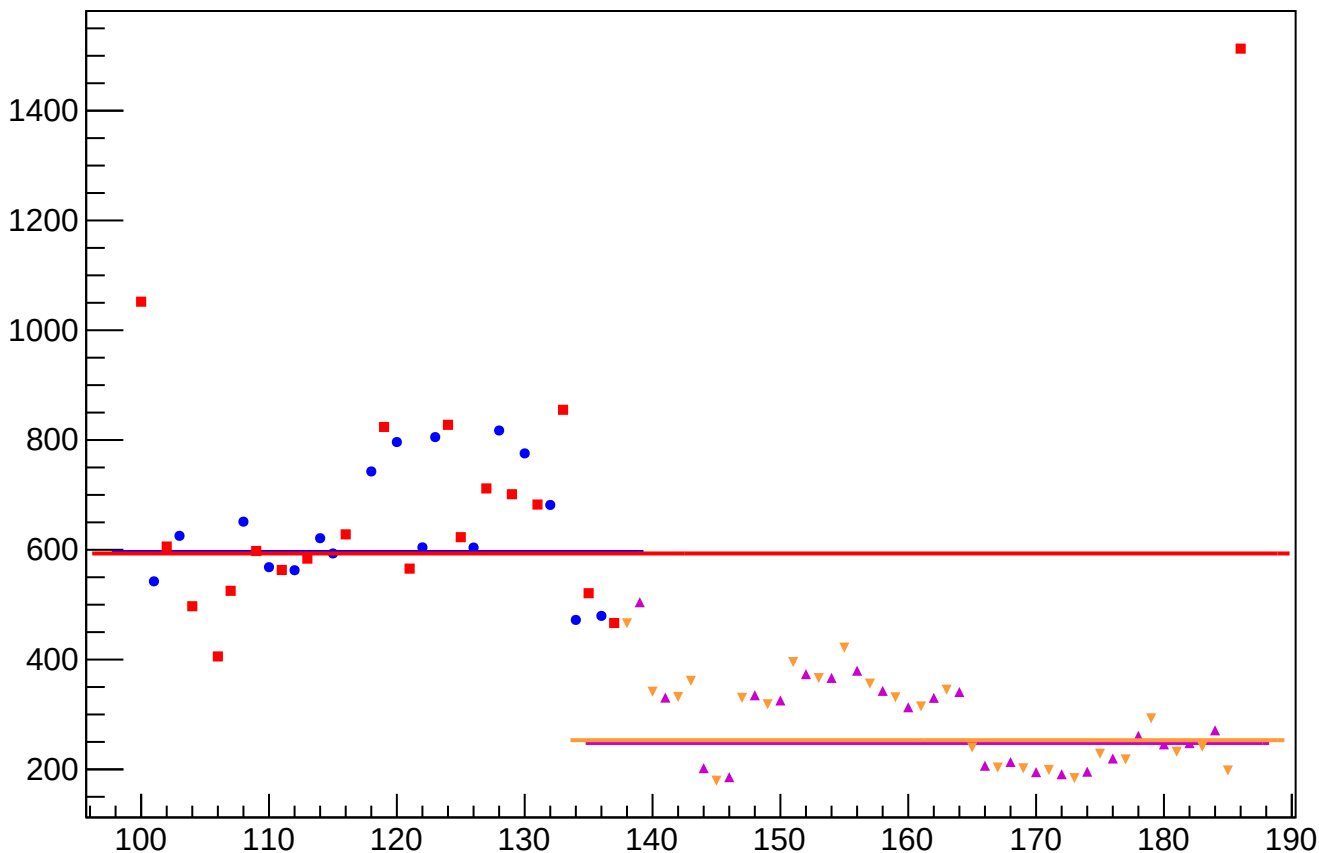
Left In: 49.832 ± 61.781 χ^2/NDF : 27.5/22

+ sign 259.558 ± 59.446 χ^2/NDF : 90.2/41

All: 165.897 ± 42.077 χ^2/NDF : 137.5/84

- sign 71.859 ± 59.565 χ^2/NDF : 42.4/42

asym_sam_37_dd_rms vs Slug



Right In: 596.086 ± 0.167 χ^2/NDF : 355935.3/16

Left Out: 253.137 ± 0.043 χ^2/NDF : 2665975.8/24

Right Out: 593.312 ± 0.159 χ^2/NDF : 757507.0/19

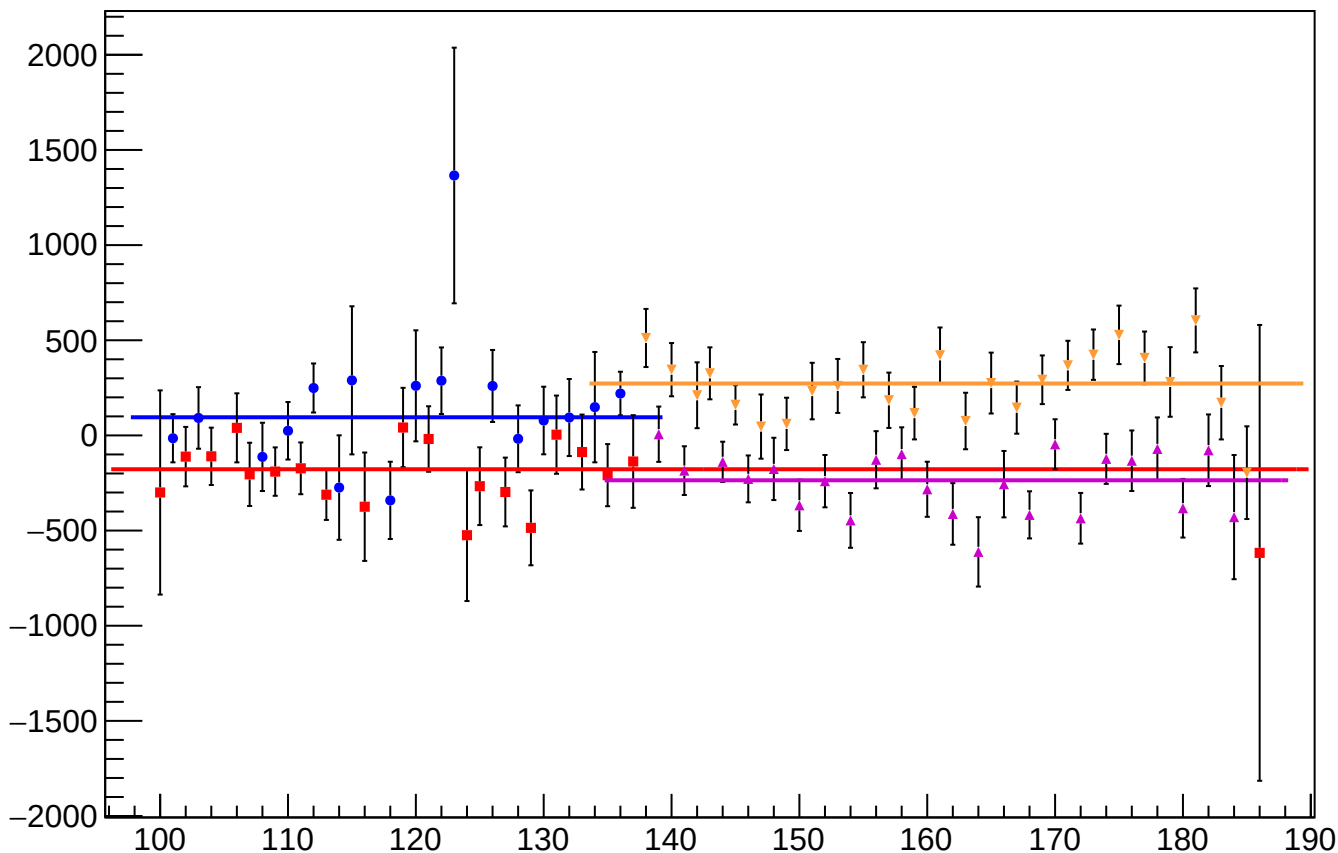
Left In: 248.069 ± 0.044 χ^2/NDF : 2343295.0/22

+ sign 274.814 ± 0.042 χ^2/NDF : 6963382.3/41

All: 273.604 ± 0.030 χ^2/NDF : 14465691.1/84

- sign 272.390 ± 0.042 χ^2/NDF : 7500650.1/42

reg_asym_sam_48_dd_mean vs Slug



Right In: 95.316 ± 43.397 $\chi^2/\text{NDF}: 17.9/16$

Left Out: 272.684 ± 29.221 $\chi^2/\text{NDF}: 27.4/24$

Right Out: -177.789 ± 41.157 $\chi^2/\text{NDF}: 10.6/19$

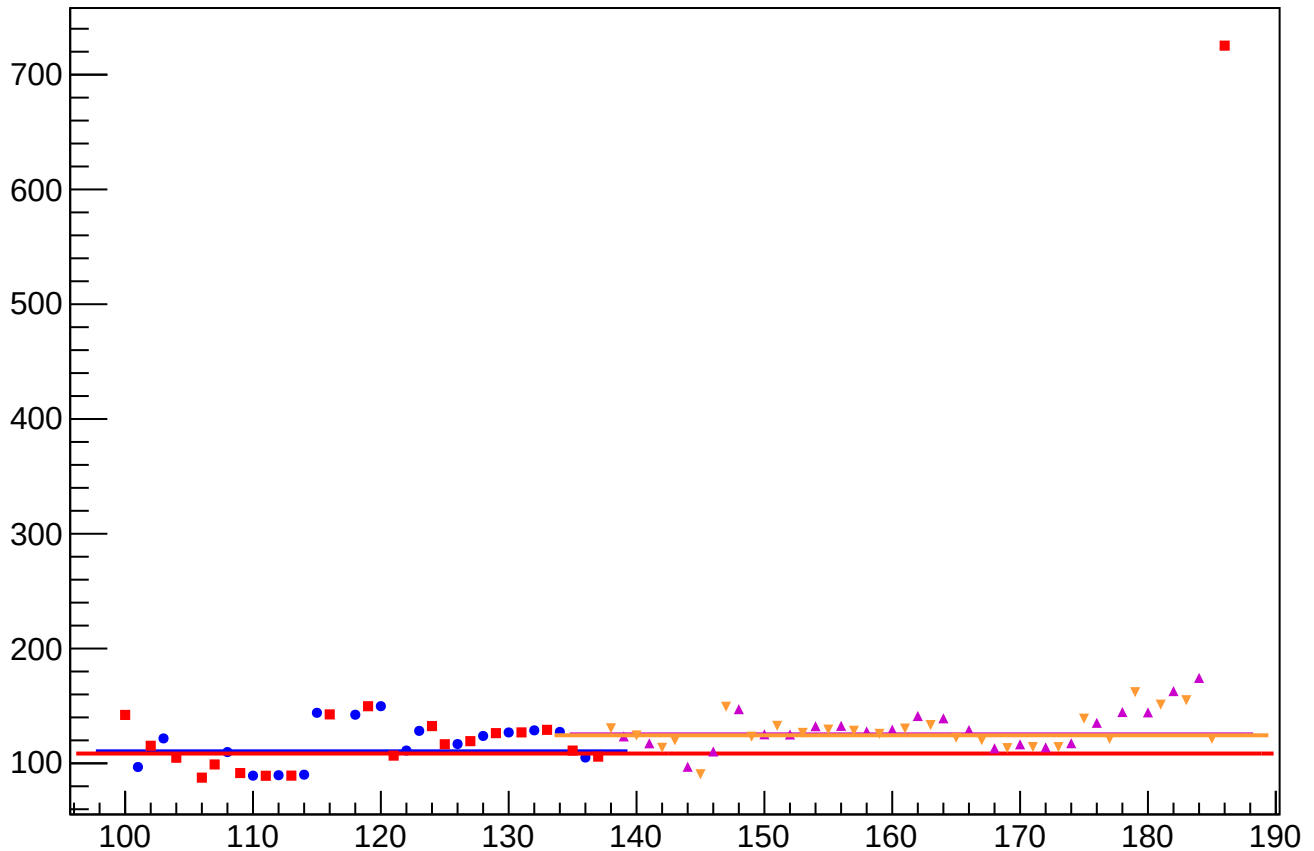
Left In: -235.801 ± 30.232 $\chi^2/\text{NDF}: 24.6/22$

+ sign 217.352 ± 24.238 $\chi^2/\text{NDF}: 56.9/41$

All: 2.067 ± 17.184 $\chi^2/\text{NDF}: 252.0/84$

- sign -215.470 ± 24.365 $\chi^2/\text{NDF}: 36.6/42$

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.439 $\pm$ 0.031 χ^2 /NDF: 296029.7/16

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 108.516 $\pm$ 0.029 χ^2 /NDF: 877166.0/19

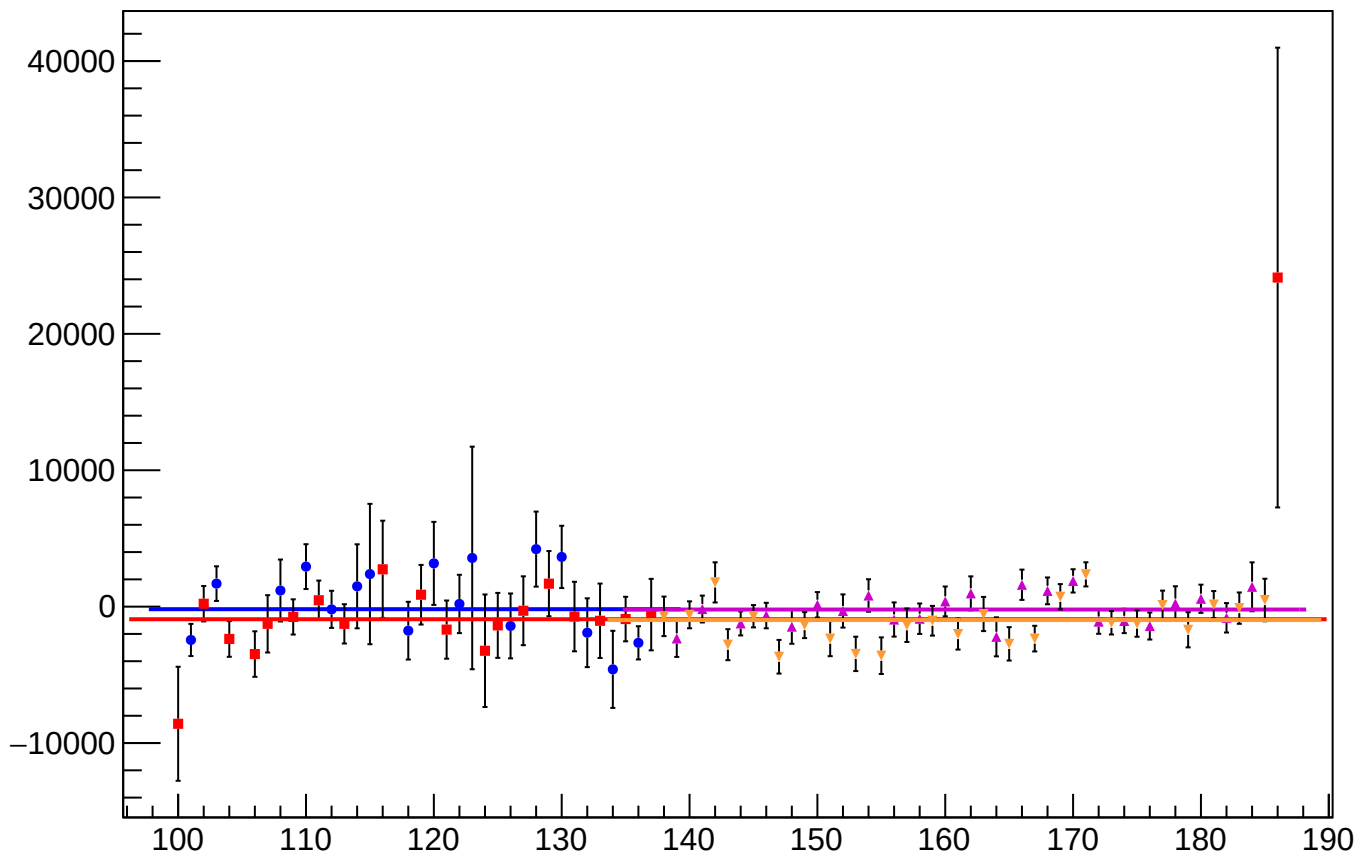
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 120.065 $\pm$ 0.017 χ^2 /NDF: 978758.2/41

All: 119.712 $\pm$ 0.012 χ^2 /NDF: 2571764.0/84

- sign 119.356 $\pm$ 0.017 χ^2 /NDF: 1592156.2/42

asym_sam_48_dd_correction_mean vs Slug



Right In: -186.780 ± 465.749 χ^2/NDF : 25.0/16

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -923.024 ± 435.665 χ^2/NDF : 14.4/19

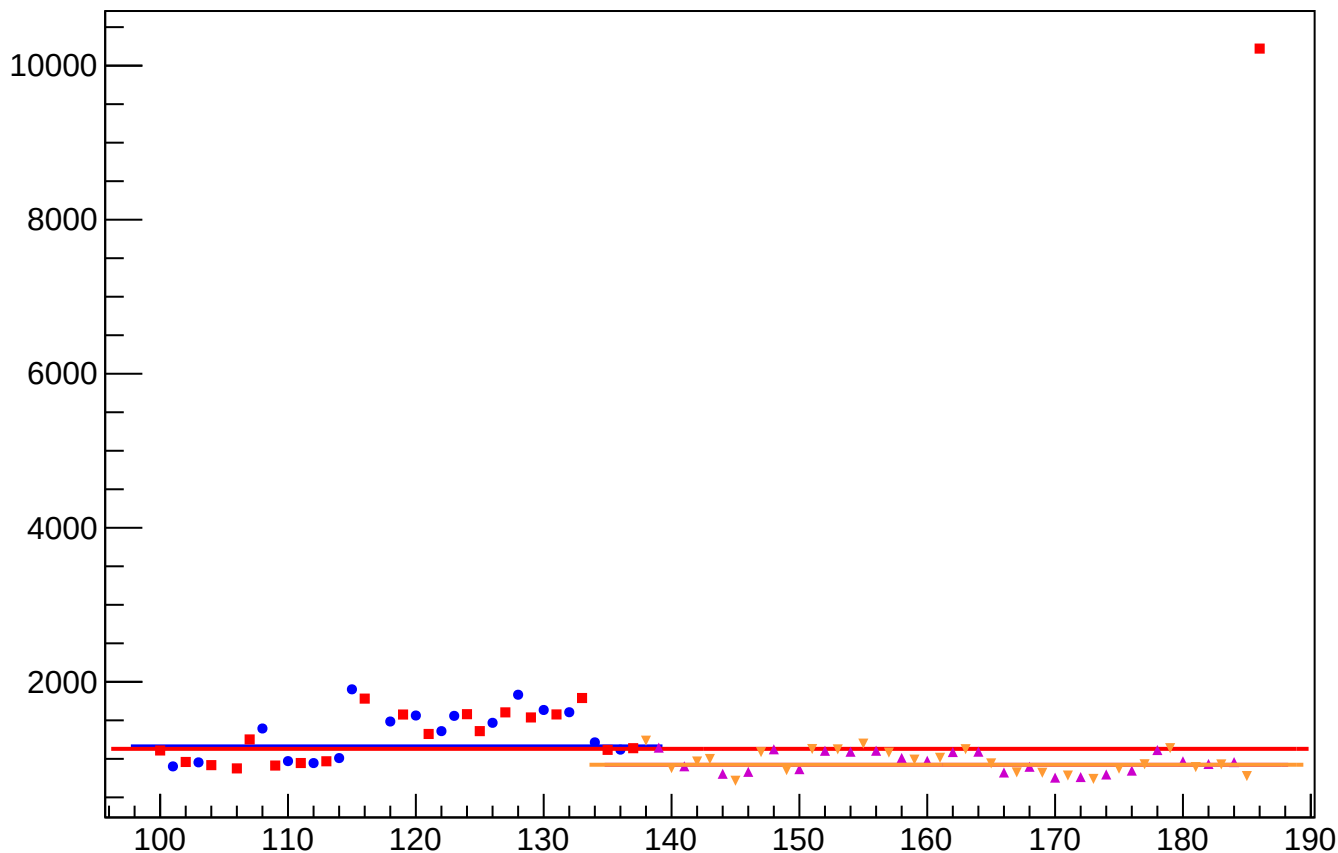
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -839.755 ± 197.458 χ^2/NDF : 74.6/41

All: -601.135 ± 140.066 χ^2/NDF : 119.8/84

- sign -359.466 ± 198.715 χ^2/NDF : 42.2/42

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.775 $\pm$ 0.329 χ^2 /NDF: 701230.3/16

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

+ sign 966.398 $\pm$ 0.140 χ^2 /NDF: 1973049.7/41

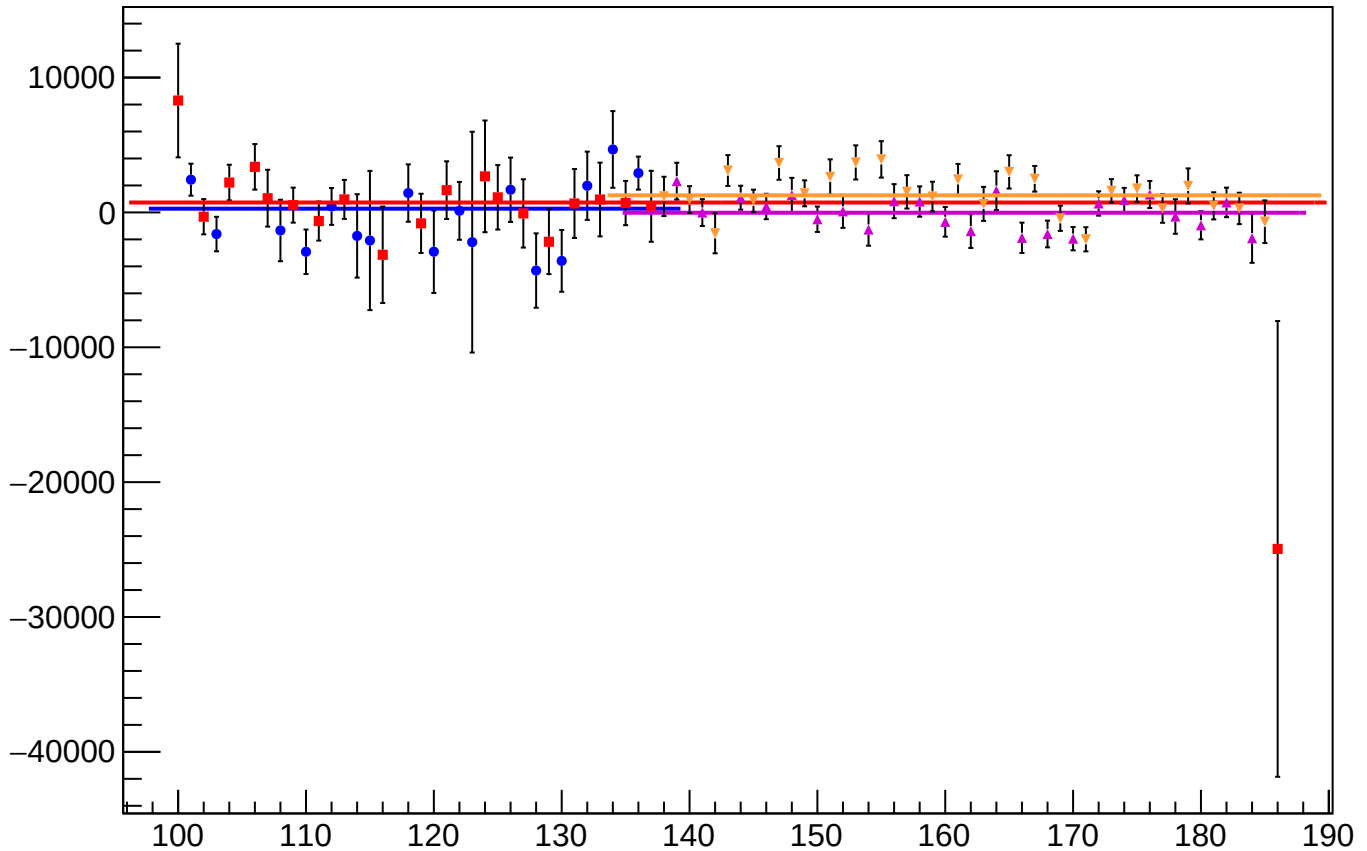
Right Out: 1130.054 $\pm$ 0.308 χ^2 /NDF: 1351924.1/19

All: 965.941 $\pm$ 0.099 χ^2 /NDF: 4320080.1/84

Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

- sign 965.479 $\pm$ 0.141 χ^2 /NDF: 2347008.9/42

asym_sam_48_dd_mean vs Slug



Right In: 277.871 $\pm$ 468.037 χ^2 /NDF: 25.3/16

Left Out: 1267.344 $\pm$ 220.133 χ^2 /NDF:44.9/24

Right Out: 735.254 $\pm$ 438.045 χ^2 /NDF: 14.5/19

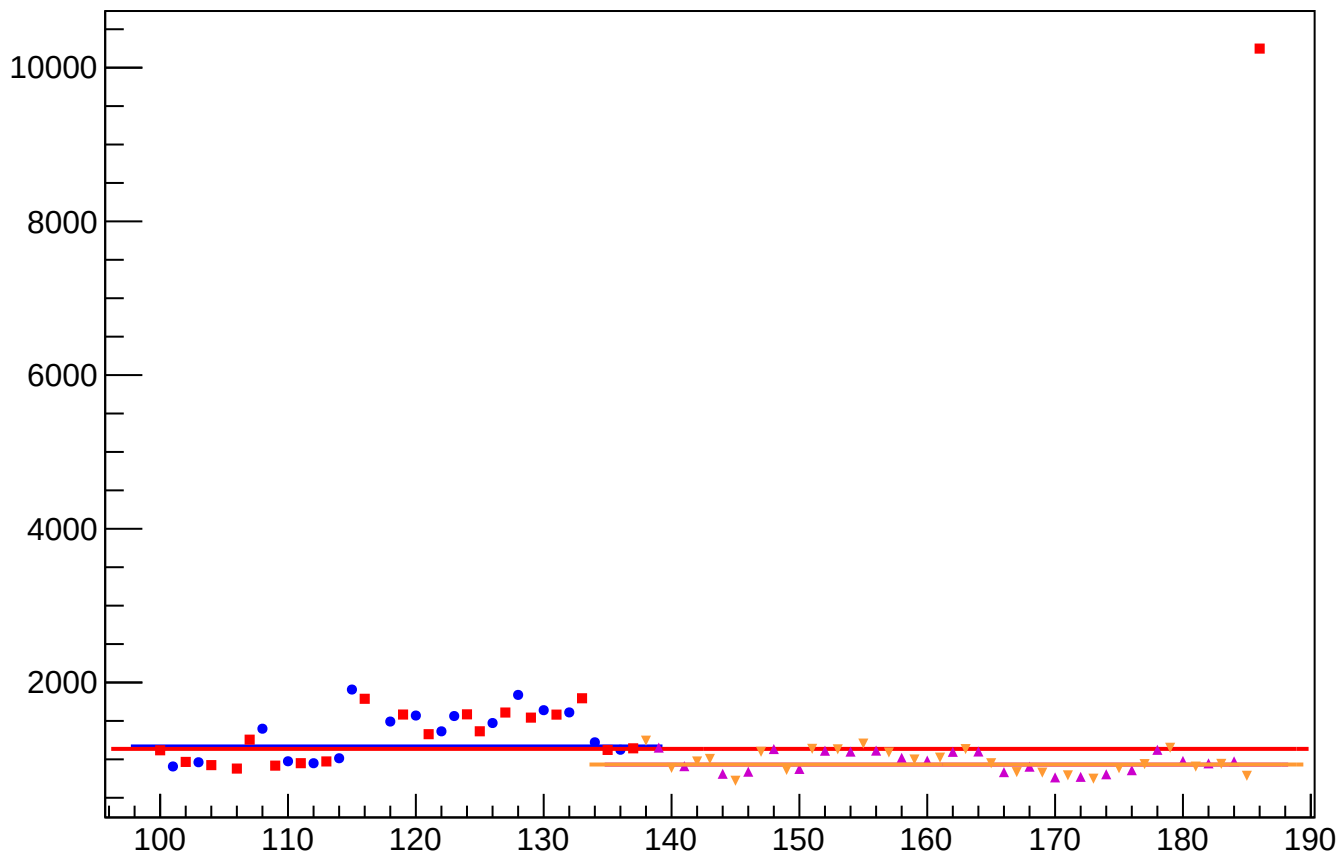
Left In: -23.478 $\pm$ 225.490 χ^2 /NDF:27.2/22

+ sign 1088.108 $\pm$ 199.200 χ^2 /NDF: 73.9/41

All: 614.849 $\pm$ 141.308 χ^2 /NDF: 129.3/84

- sign 135.458 $\pm$ 200.487 χ^2 /NDF: 44.1/42

asym_sam_48_dd_rms vs Slug



Right In: 1167.786 $\pm$ 0.331 χ^2 /NDF: 695715.2/16

Left Out: 932.764 $\pm$ 0.156 χ^2 /NDF: 829798.4/24

Right Out: 1136.173 $\pm$ 0.310 χ^2 /NDF: 1345259.4/19

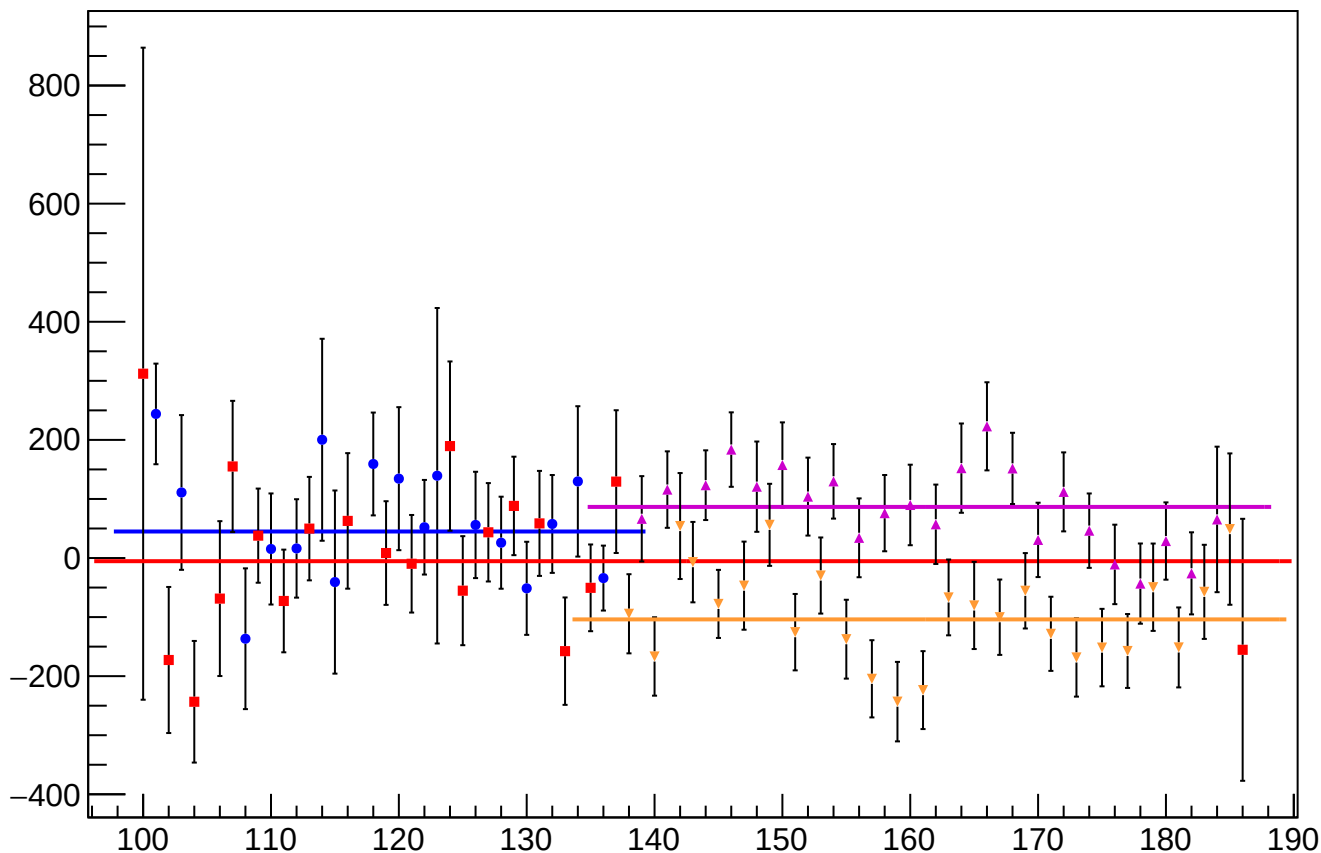
Left In: 931.493 $\pm$ 0.159 χ^2 /NDF: 624436.4/22

+ sign 975.336 $\pm$ 0.141 χ^2 /NDF: 1938462.8/41

All: 974.855 $\pm$ 0.100 χ^2 /NDF: 4253372.7/84

- sign 974.368 $\pm$ 0.142 χ^2 /NDF: 2314886.4/42

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 44.919 ± 22.614 $\chi^2/\text{NDF}: 15.9/16$

Left Out: -103.899 ± 13.642 $\chi^2/\text{NDF}: 30.0/24$

Right Out: -5.352 ± 22.083 $\chi^2/\text{NDF}: 20.6/19$

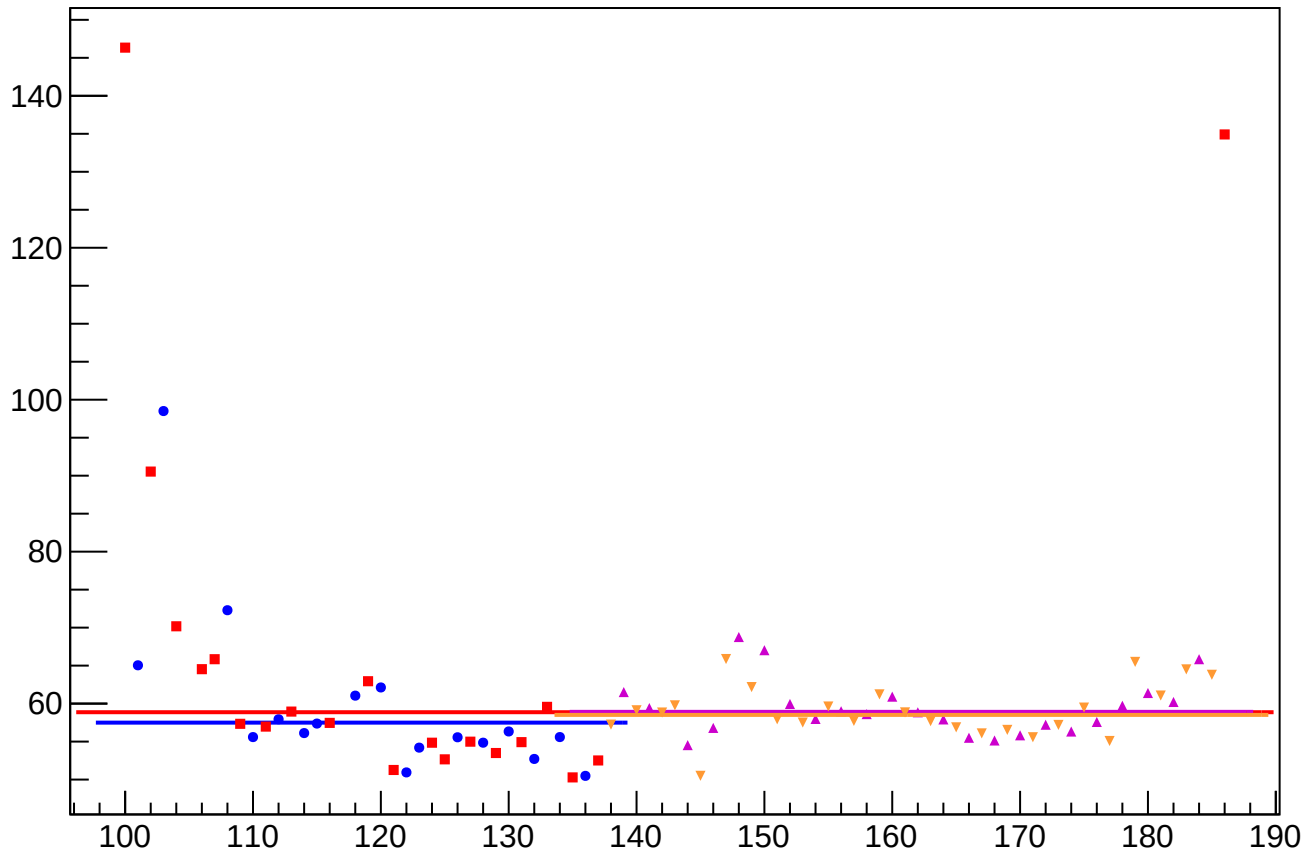
Left In: 86.542 ± 14.120 $\chi^2/\text{NDF}: 21.4/22$

+ sign -64.192 ± 11.681 $\chi^2/\text{NDF}: 77.6/41$

All: -3.289 ± 8.335 $\chi^2/\text{NDF}: 187.3/84$

- sign 59.875 ± 11.896 $\chi^2/\text{NDF}: 54.3/42$

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.495 ± 0.016 $\chi^2/\text{NDF}: 306695.7/16$

Left Out: 58.513 ± 0.010 $\chi^2/\text{NDF}: 123221.6/24$

Right Out: 58.866 ± 0.016 $\chi^2/\text{NDF}: 535709.5/19$

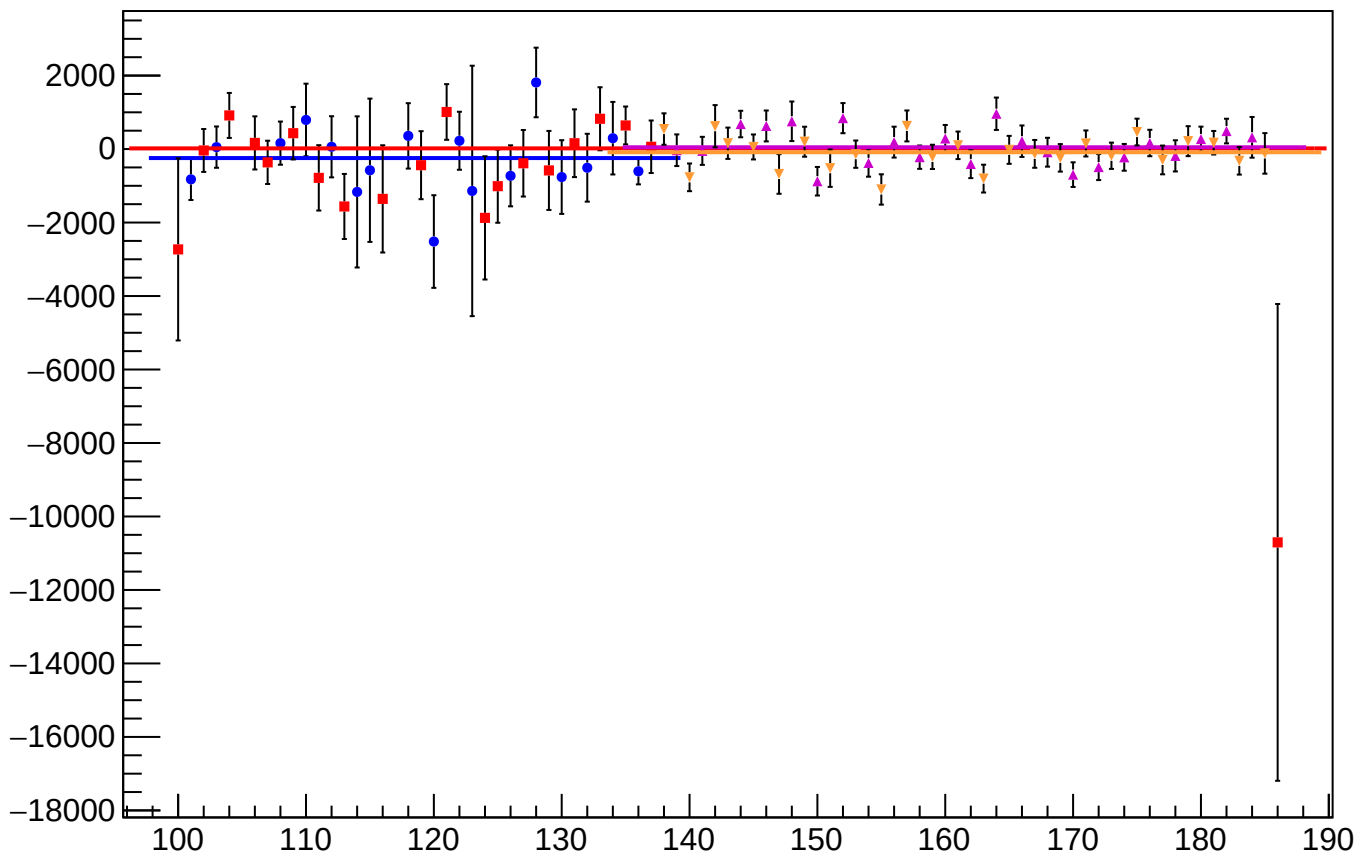
Left In: 58.913 ± 0.010 $\chi^2/\text{NDF}: 109968.0/22$

+ sign 58.241 ± 0.008 $\chi^2/\text{NDF}: 432888.4/41$

All: 58.565 ± 0.006 $\chi^2/\text{NDF}: 1081691.2/84$

- sign 58.900 ± 0.008 $\chi^2/\text{NDF}: 645684.1/42$

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -245.129 ± 184.410 χ^2/NDF : 14.1/16

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: 18.679 ± 182.077 χ^2/NDF : 19.0/19

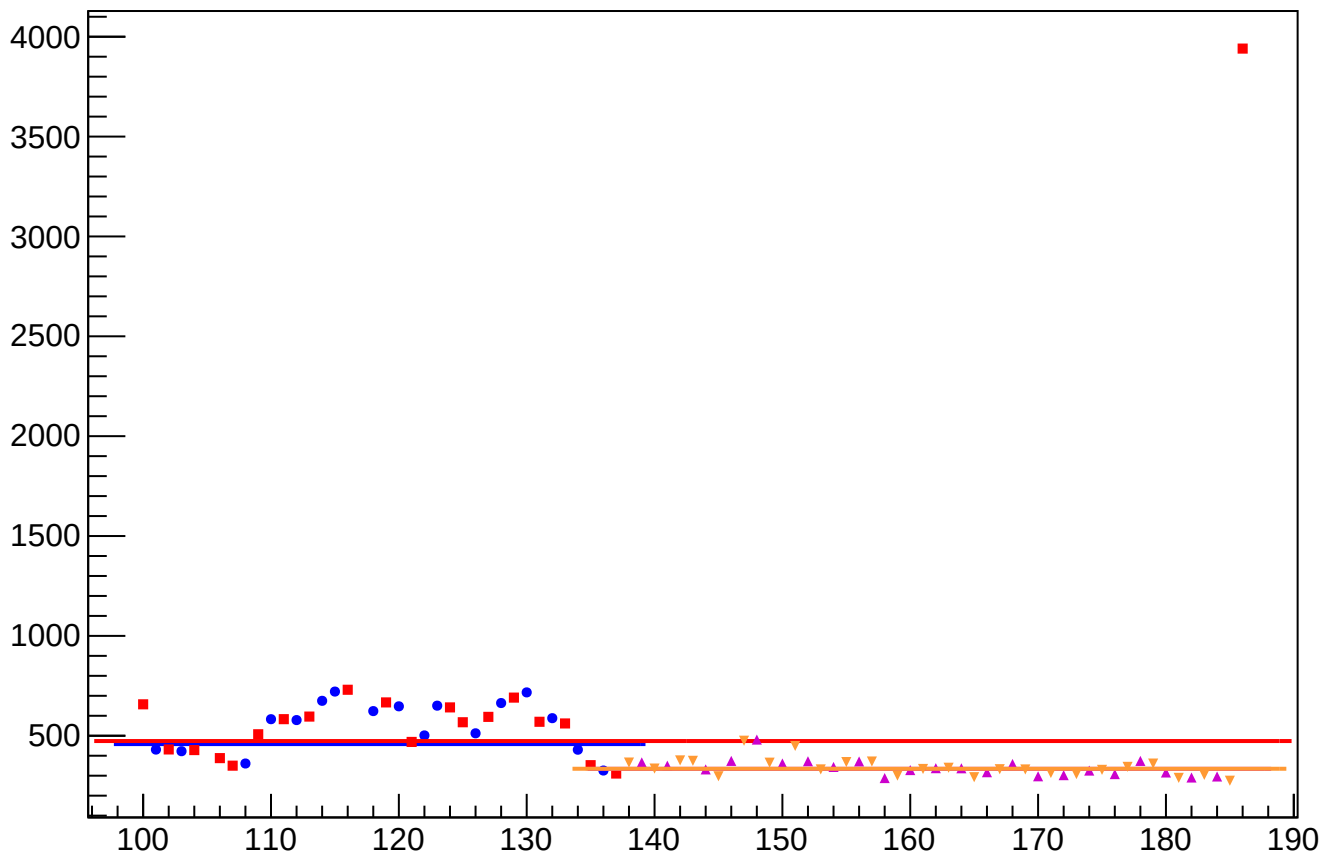
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -111.676 ± 72.272 χ^2/NDF : 42.5/41

All: -35.408 ± 51.588 χ^2/NDF : 99.1/84

- sign 43.822 ± 73.662 χ^2/NDF : 54.3/42

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.231+/-0.130 χ^2/NDF : 879276.8/16

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

Right Out: 473.483+/-0.129 χ^2/NDF : 1353395.7/19

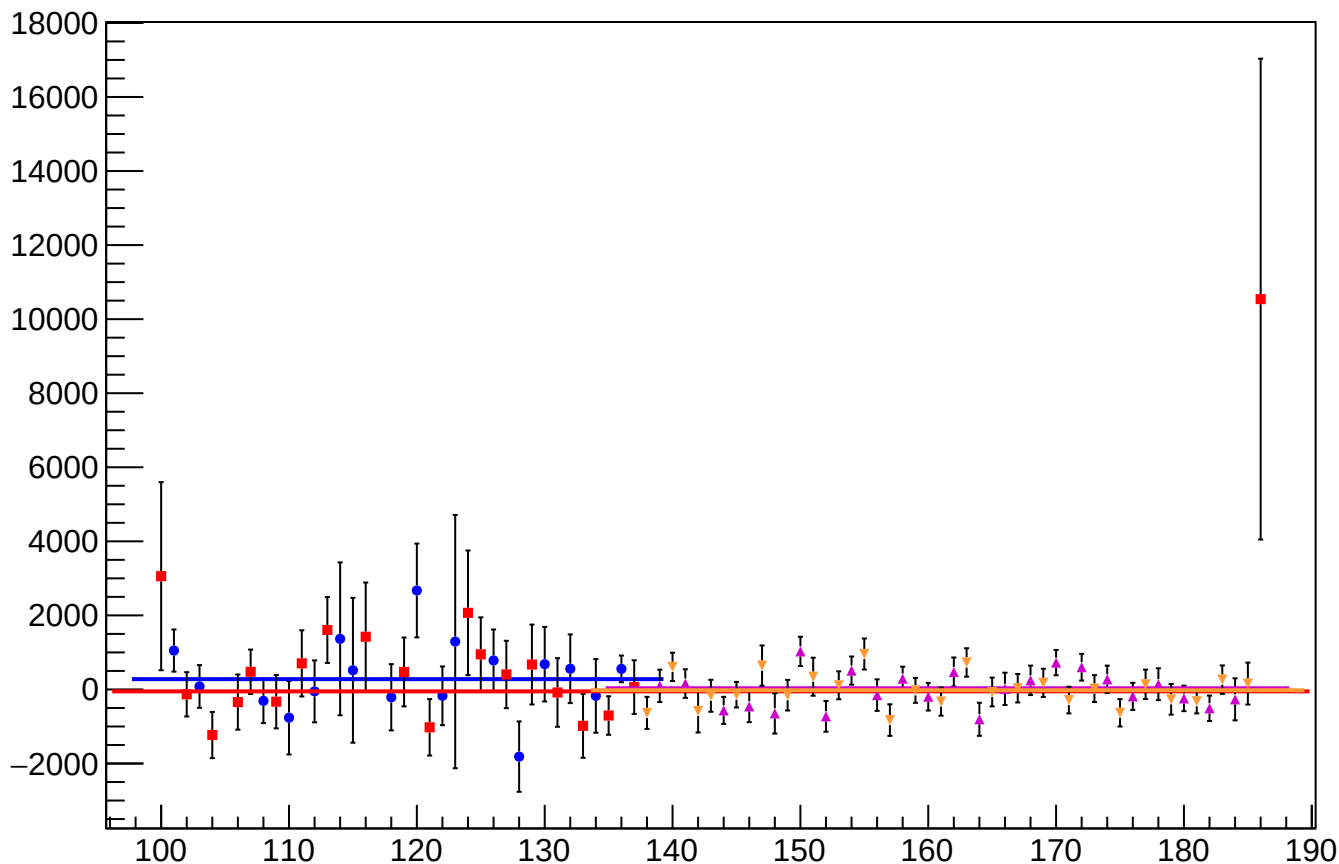
Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

+ sign 353.715+/-0.051 χ^2/NDF : 2129663.1/41

All: 355.303+/-0.036 χ^2/NDF : 4861770.5/84

- sign 356.952+/-0.052 χ^2/NDF : 2730139.4/42

asym_sam_13_57_dd_mean vs Slug



Right In: 278.553 $\pm$ 186.587 χ^2 /NDF: 15.0/16

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: -51.760 $\pm$ 184.323 χ^2 /NDF: 22.0/19

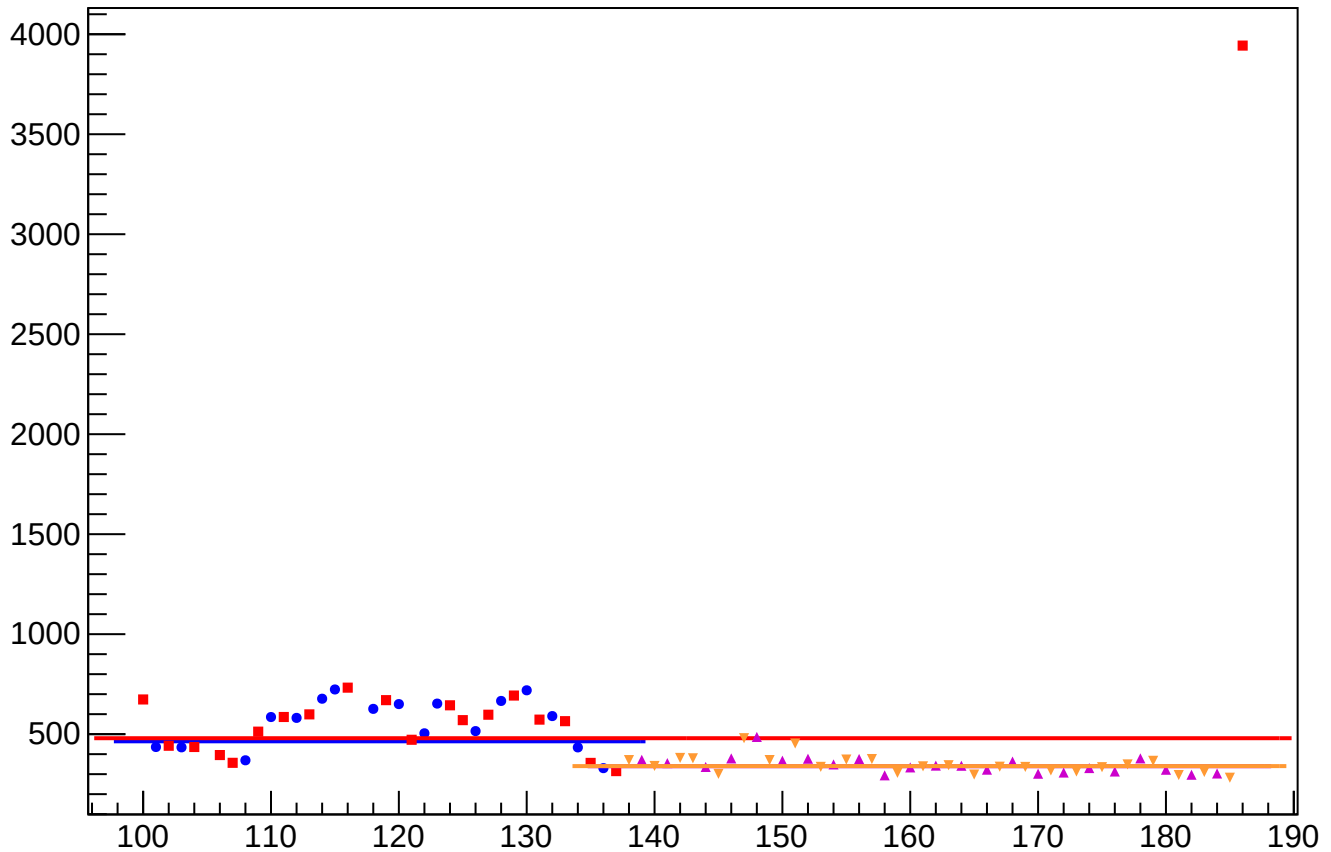
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 25.420 $\pm$ 73.381 χ^2 /NDF: 44.4/41

All: 21.800 $\pm$ 52.382 χ^2 /NDF: 100.6/84

- sign 18.040 $\pm$ 74.798 χ^2 /NDF: 56.2/42

asym_sam_13_57_dd_rms vs Slug



Right In: 464.257 $\pm$ 0.132 χ^2 /NDF: 847933.8/16

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 479.719 $\pm$ 0.130 χ^2 /NDF: 1322197.9/19

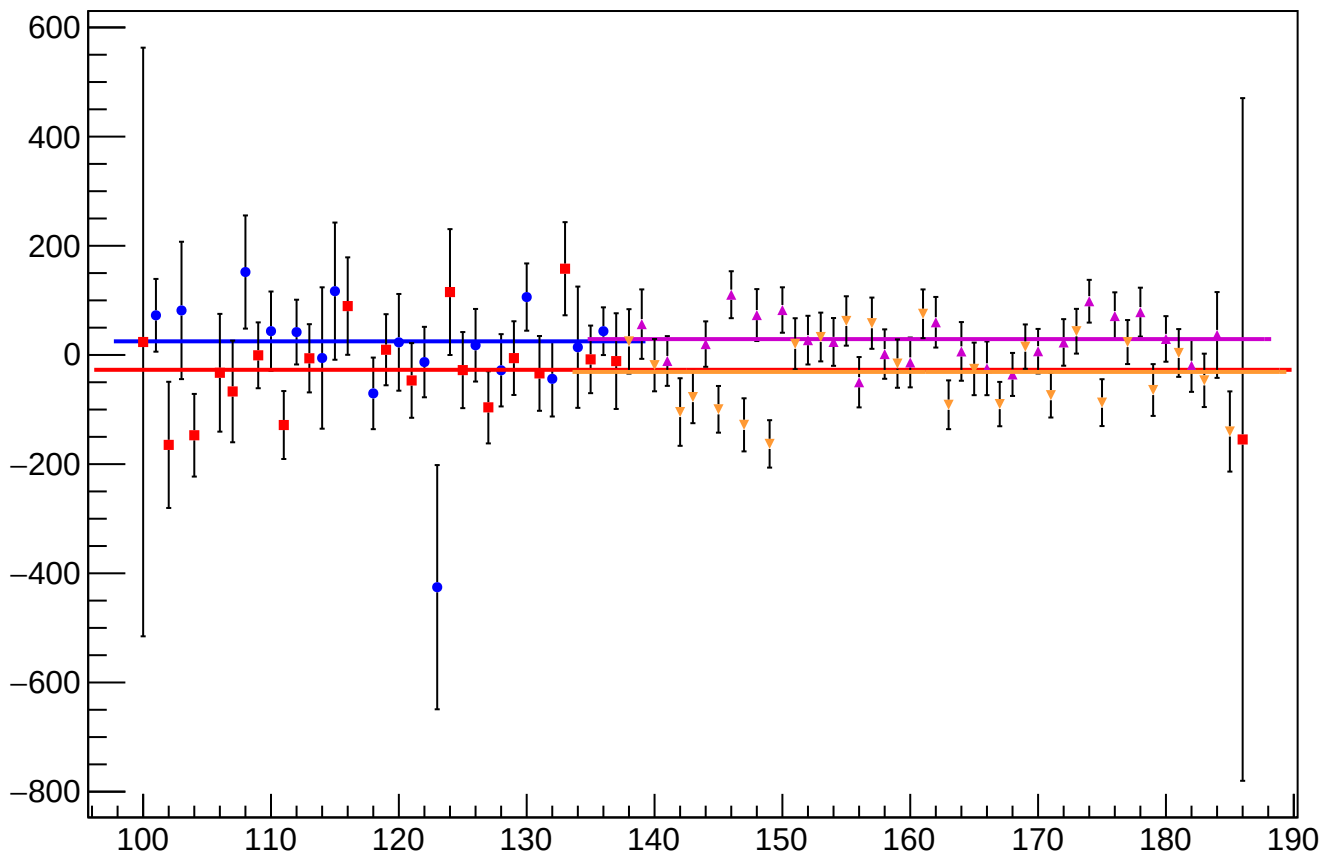
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 359.419 $\pm$ 0.052 χ^2 /NDF: 2063715.3/41

All: 361.024 $\pm$ 0.037 χ^2 /NDF: 4732806.8/84

- sign 362.691 $\pm$ 0.053 χ^2 /NDF: 2667141.4/42

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.974 $\pm$ 17.871 χ^2 /NDF: 13.0/16

Left Out: -31.063 $\pm$ 9.170 χ^2 /NDF: 52.6/24

Right Out: -27.196 $\pm$ 17.429 χ^2 /NDF: 16.8/19

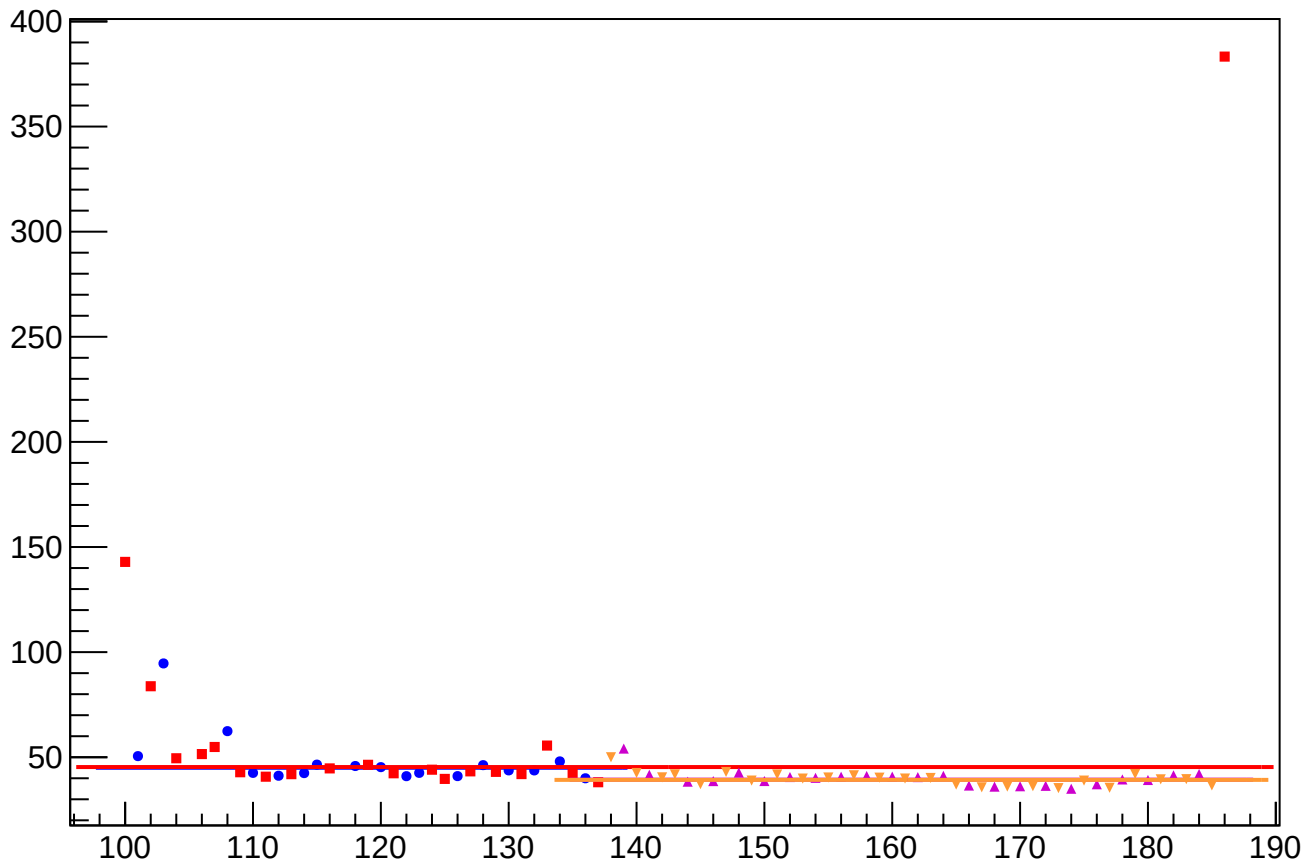
Left In: 29.055 $\pm$ 9.449 χ^2 /NDF: 22.4/22

+ sign -19.385 $\pm$ 8.158 χ^2 /NDF: 73.4/41

All: -1.876 $\pm$ 5.821 χ^2 /NDF: 130.1/84

- sign 16.277 $\pm$ 8.307 χ^2 /NDF: 47.3/42

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.010 $\pm$ 0.013 χ^2 /NDF: 438252.0/16

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 45.333 $\pm$ 0.012 χ^2 /NDF: 998286.8/19

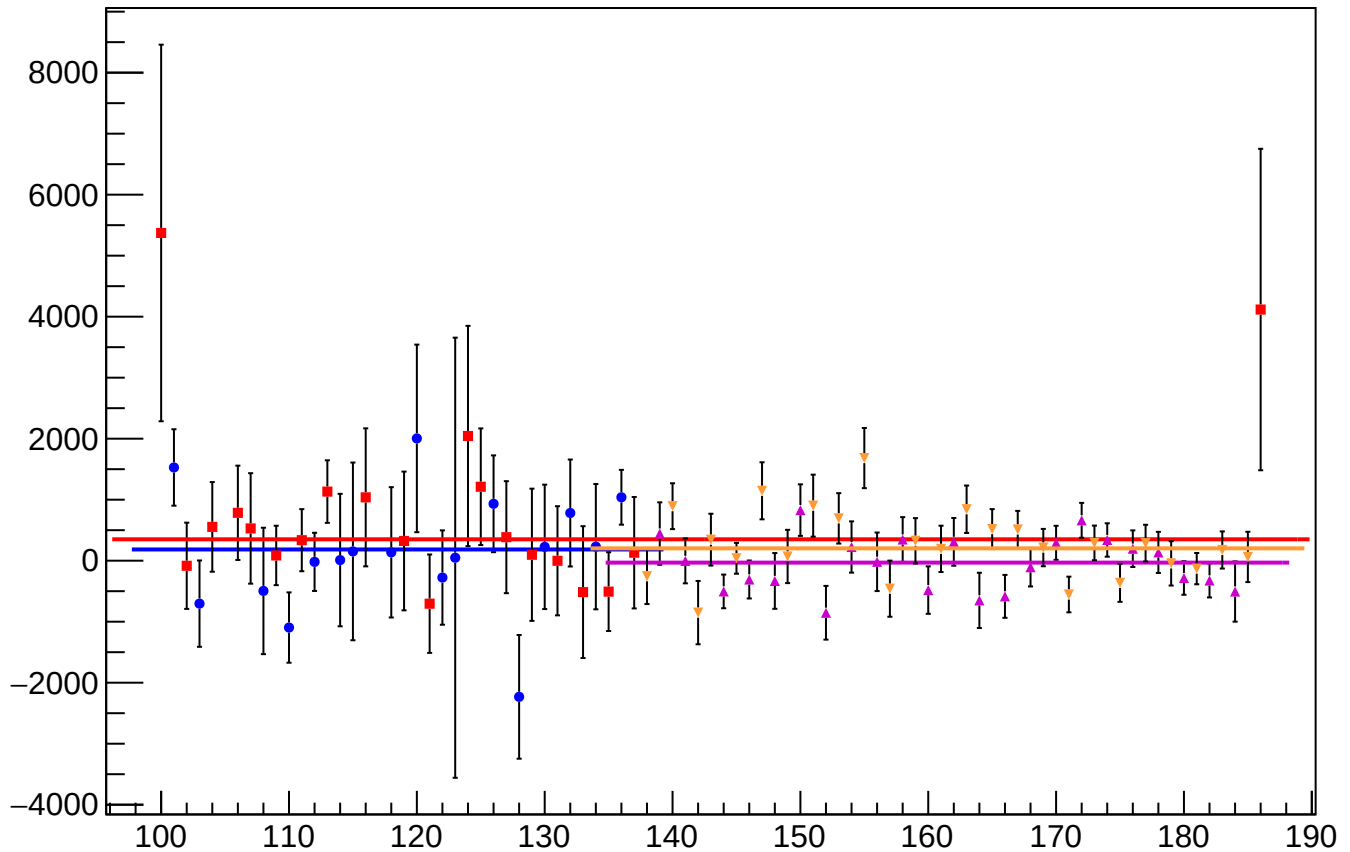
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 40.438 $\pm$ 0.006 χ^2 /NDF: 805506.1/41

All: 40.567 $\pm$ 0.004 χ^2 /NDF: 2203318.0/84

- sign 40.700 $\pm$ 0.006 χ^2 /NDF: 1396802.2/42

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.085 $\pm$ 189.043 χ^2 /NDF: 24.2/16

Left Out: 202.369 $\pm$ 70.426 χ^2 /NDF: 44.8/24

Right Out: 350.563 $\pm$ 179.275 χ^2 /NDF: 14.6/19

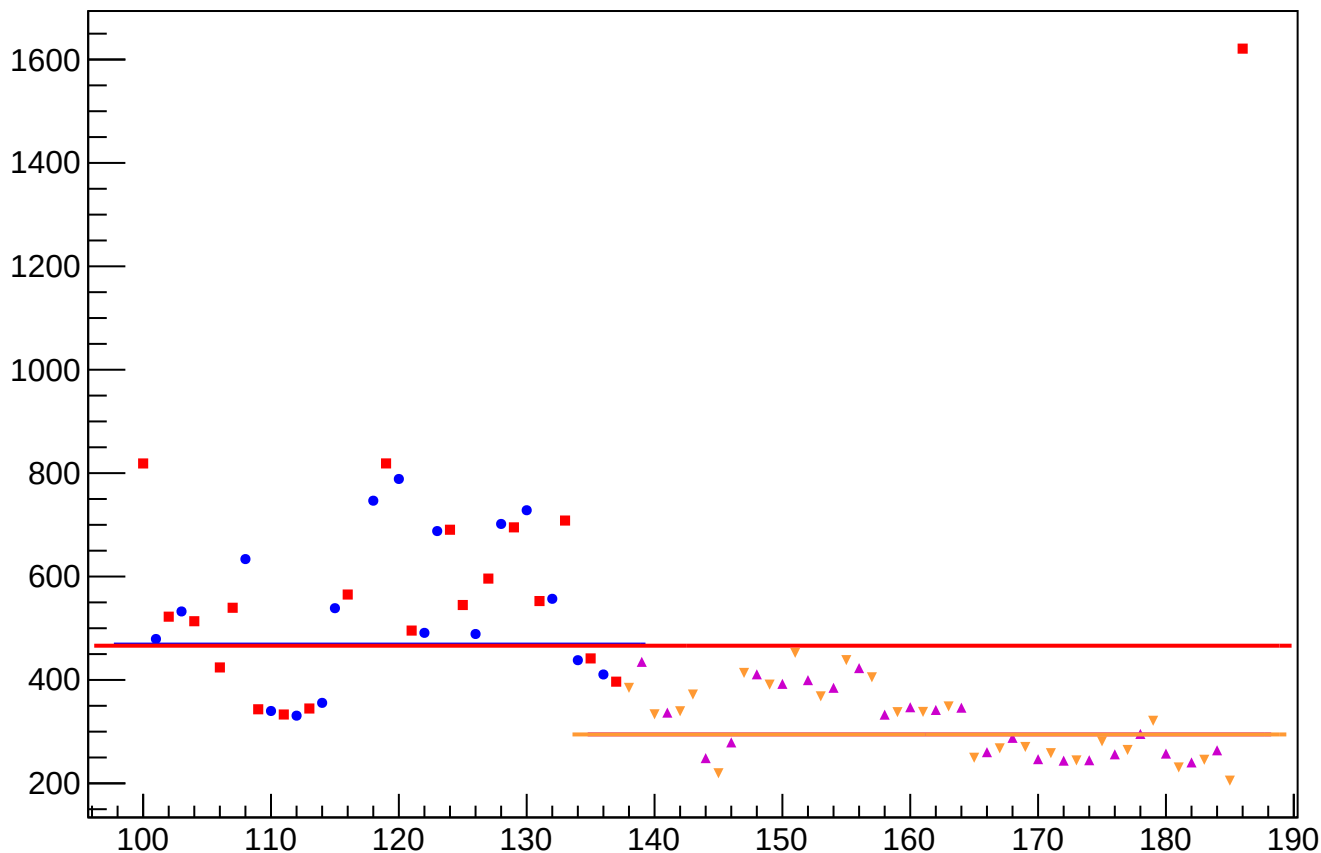
Left In: -31.548 $\pm$ 72.100 χ^2 /NDF: 33.4/22

+ sign 200.141 $\pm$ 65.995 χ^2 /NDF: 69.0/41

All: 112.102 $\pm$ 46.980 χ^2 /NDF: 124.5/84

- sign 21.651 $\pm$ 66.893 χ^2 /NDF: 51.8/42

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.371+/-0.134 χ^2/NDF : 883769.0/16

Left Out: 294.591+/-0.050 χ^2/NDF : 1680474.5/24

Right Out: 466.220+/-0.127 χ^2/NDF : 1344156.2/19

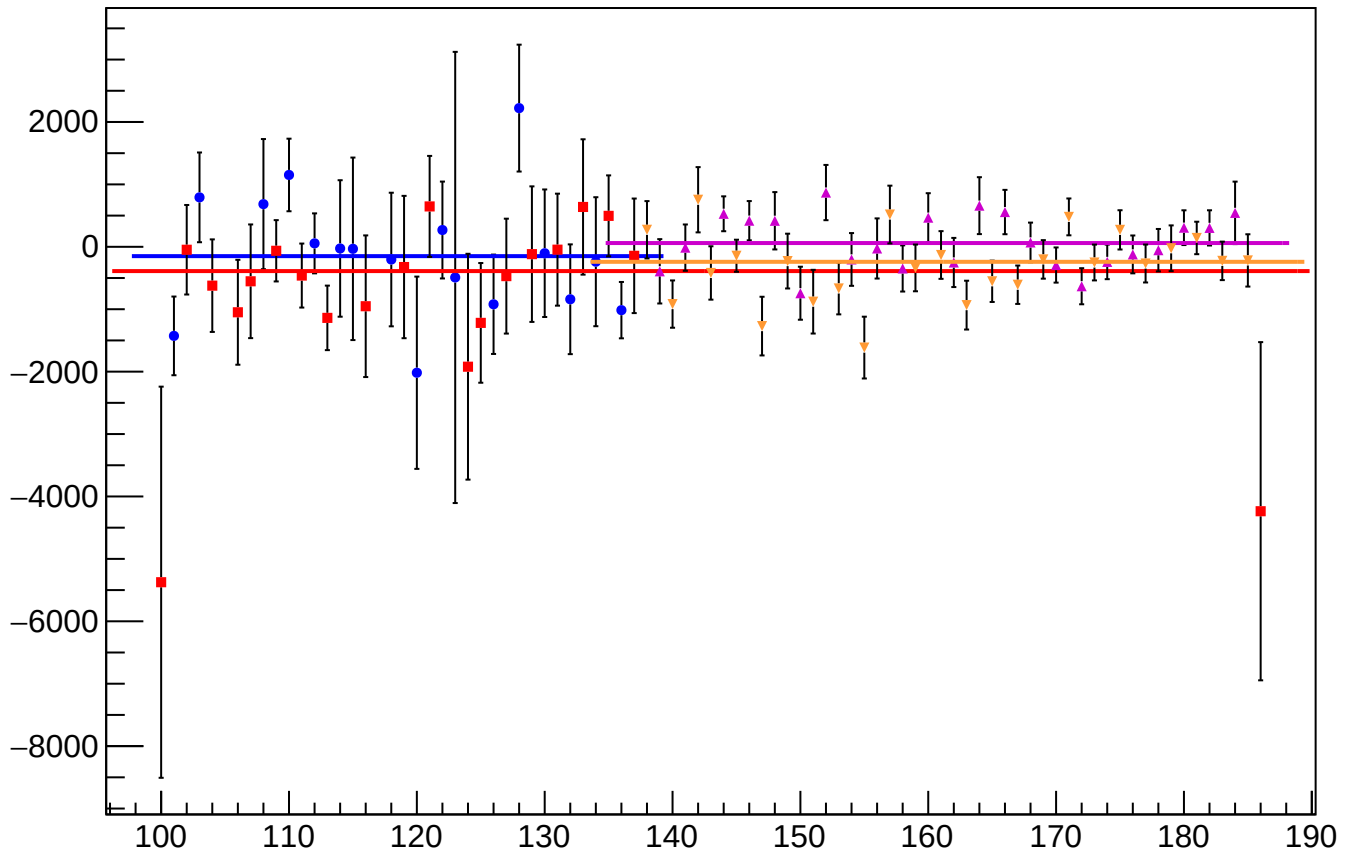
Left In: 294.722+/-0.051 χ^2/NDF : 1297310.3/22

+ sign 315.770+/-0.047 χ^2/NDF : 4048353.6/41

All: 317.165+/-0.033 χ^2/NDF : 8267058.8/84

- sign 318.599+/-0.047 χ^2/NDF : 4216892.9/42

asym_sam_15_37_dd_mean vs Slug



Right In: -149.502 ± 190.216 χ^2/NDF : 24.1/16

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -389.015 ± 181.170 χ^2/NDF : 14.5/19

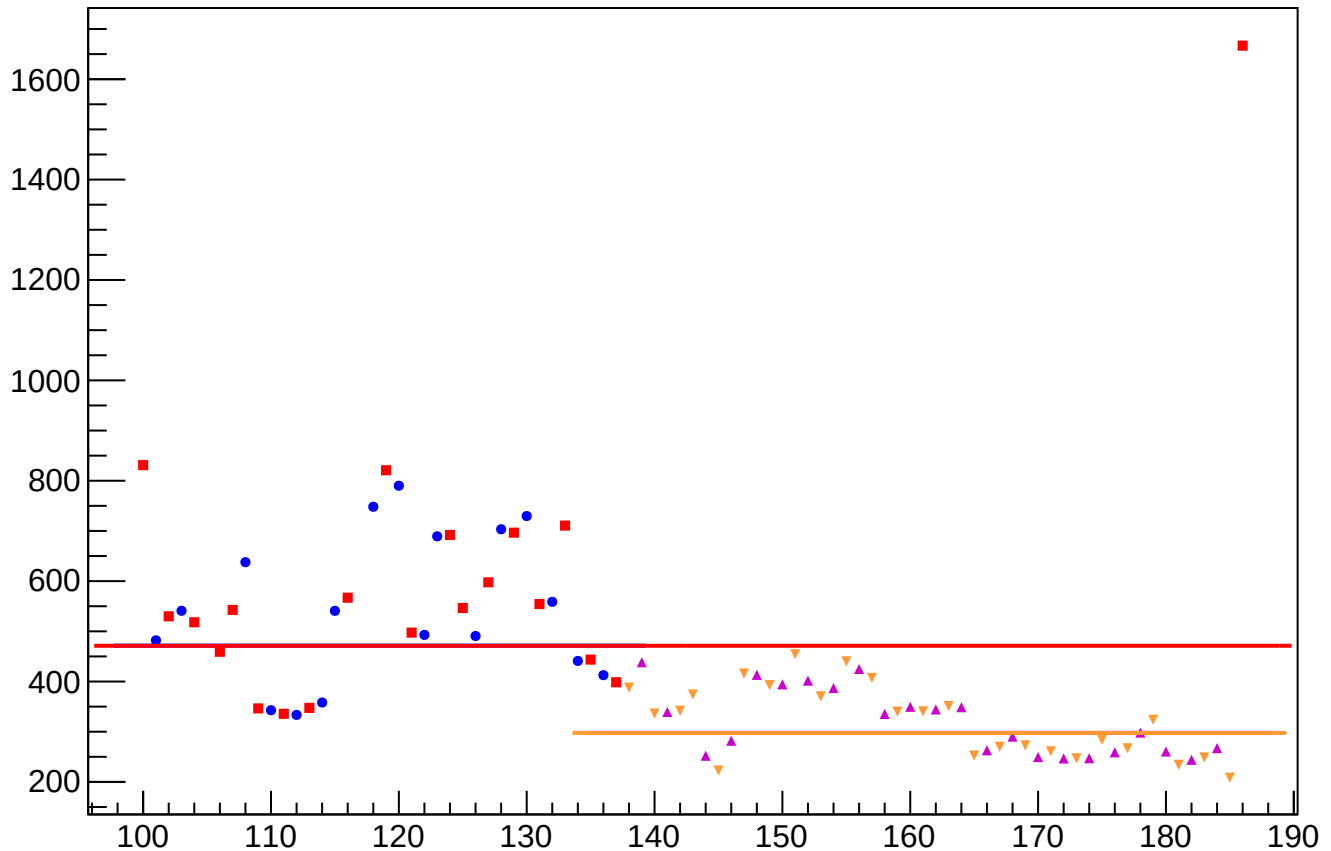
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -229.219 ± 66.600 χ^2/NDF : 67.3/41

All: -117.263 ± 47.422 χ^2/NDF : 123.7/84

- sign -2.122 ± 67.541 χ^2/NDF : 50.7/42

asym_sam_15_37_dd_rms vs Slug



Right In: 471.454 $\pm$ 0.135 χ^2 /NDF: 875217.0/16

Left Out: 297.613 $\pm$ 0.050 χ^2 /NDF: 1637757.8/24

Right Out: 471.226 $\pm$ 0.128 χ^2 /NDF: 1334904.5/19

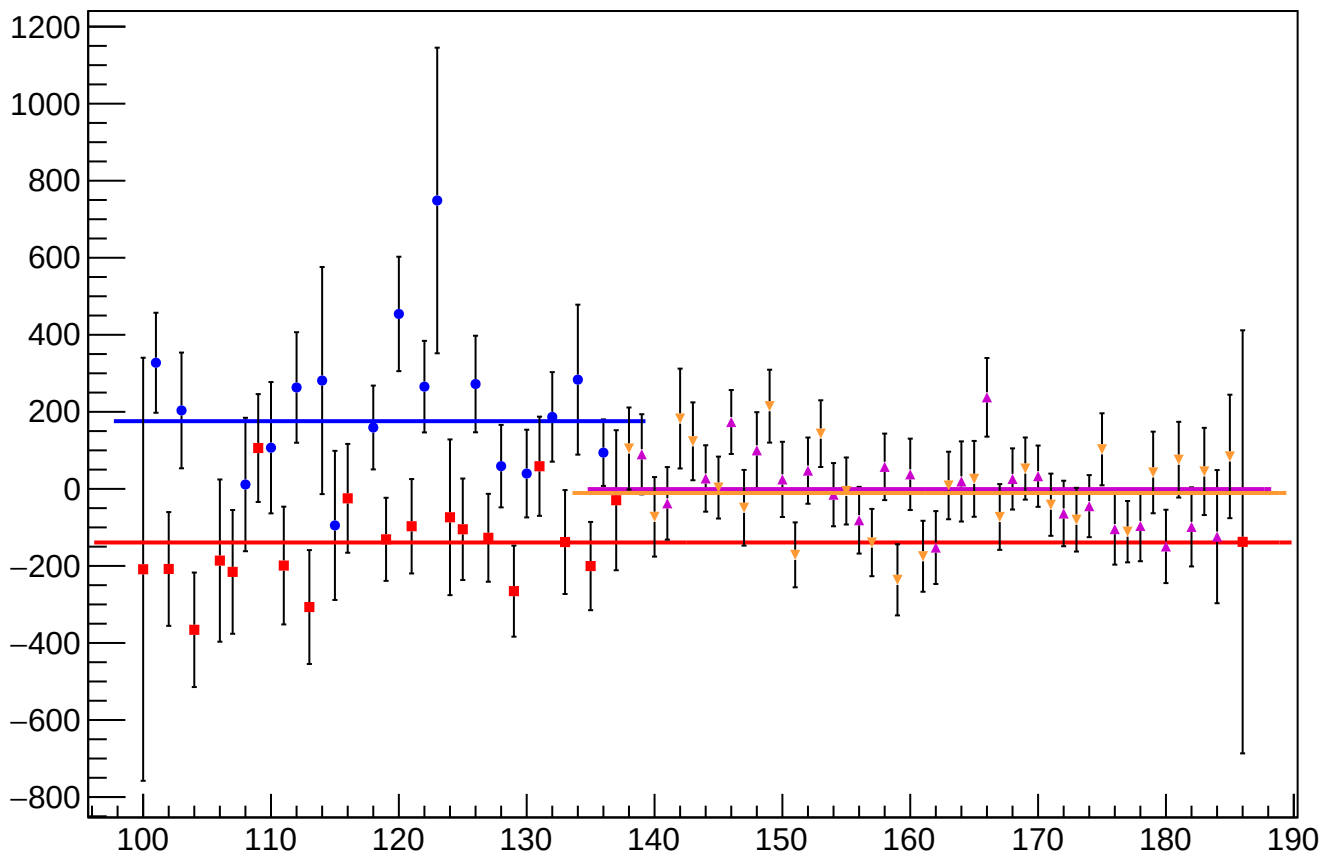
Left In: 297.699 $\pm$ 0.051 χ^2 /NDF: 1266306.2/22

+ sign 318.924 $\pm$ 0.047 χ^2 /NDF: 3978686.5/41

All: 320.350 $\pm$ 0.034 χ^2 /NDF: 8161568.2/84

- sign 321.816 $\pm$ 0.048 χ^2 /NDF: 4181022.2/42

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 175.771 $\pm$ 32.833 χ^2 /NDF: 15.5/16

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: -139.136 $\pm$ 32.381 χ^2 /NDF: 12.5/19

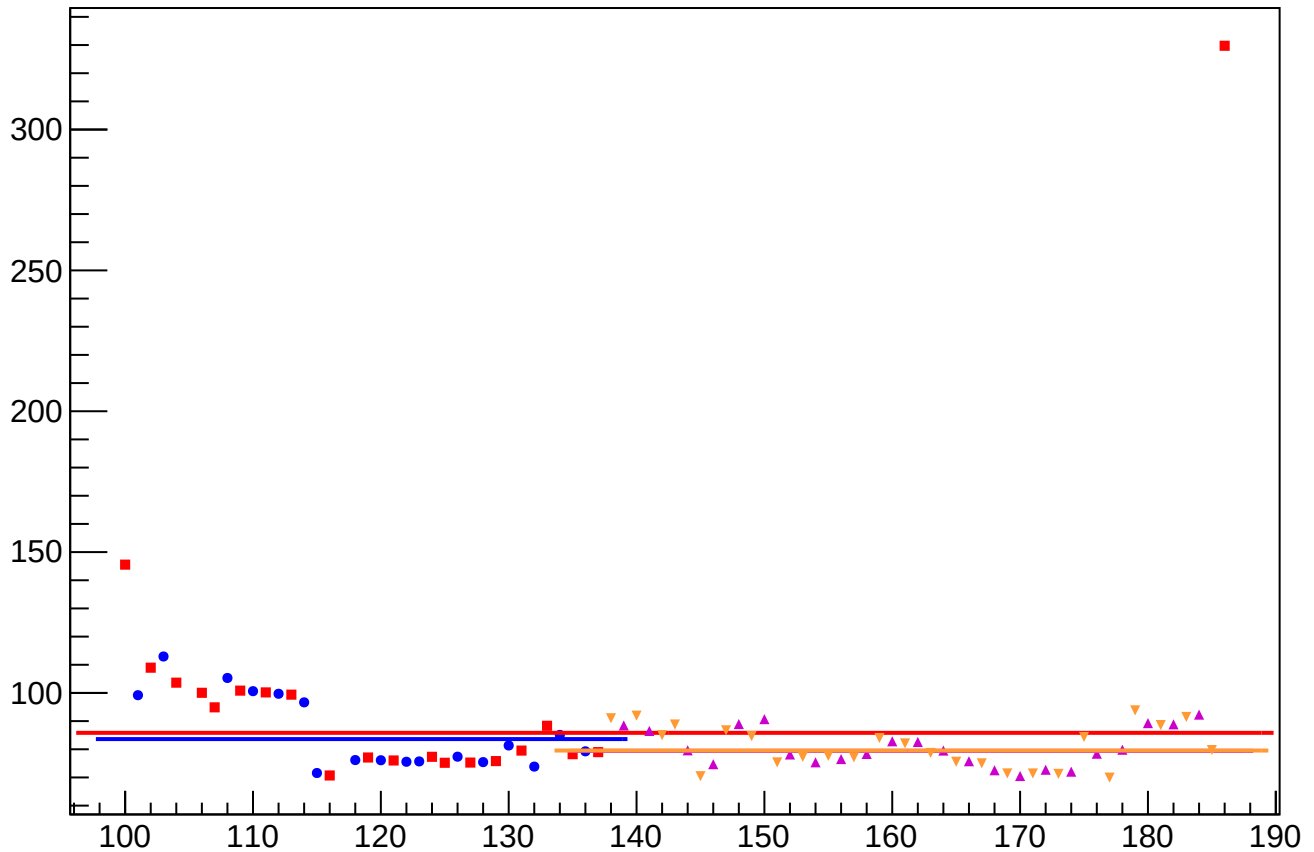
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 34.665 $\pm$ 16.190 χ^2 /NDF: 76.3/41

All: -0.269 $\pm$ 11.537 χ^2 /NDF: 135.6/84

- sign -36.316 $\pm$ 16.446 χ^2 /NDF: 49.8/42

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.622 ± 0.023 χ^2/NDF : 254251.0/16

Left Out: 79.551 ± 0.013 χ^2/NDF : 309075.2/24

Right Out: 85.840 ± 0.023 χ^2/NDF : 682915.5/19

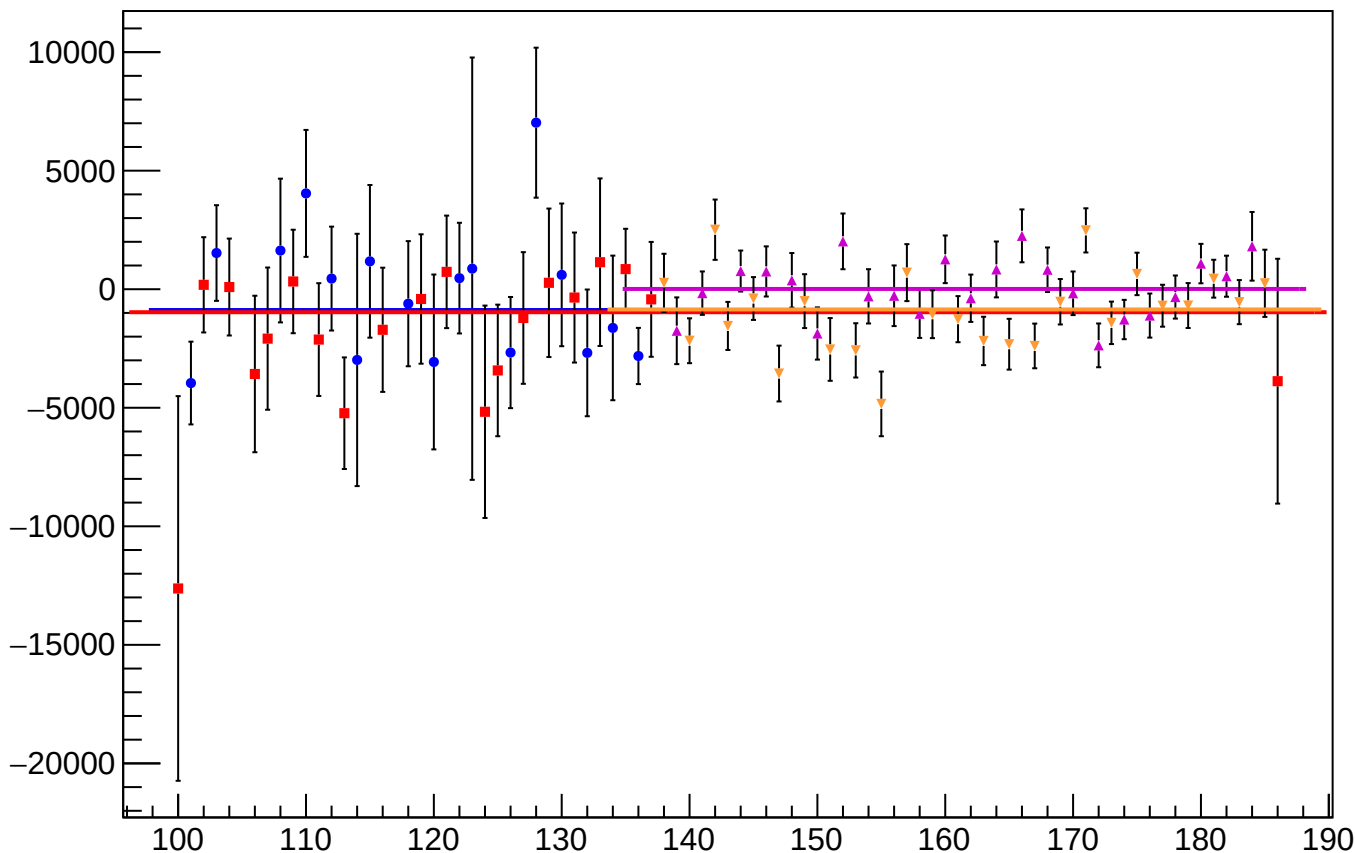
Left In: 79.436 ± 0.013 χ^2/NDF : 212440.1/22

+ sign 80.541 ± 0.011 χ^2/NDF : 586593.0/41

All: 80.810 ± 0.008 χ^2/NDF : 1541120.8/84

- sign 81.088 ± 0.012 χ^2/NDF : 953401.9/42

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -877.743+/-584.504 χ^2/NDF : 20.5/16

Left Out: -854.130+/-204.090 χ^2/NDF : 56.0/24

Right Out: -970.219+/-586.364 χ^2/NDF : 11.7/19

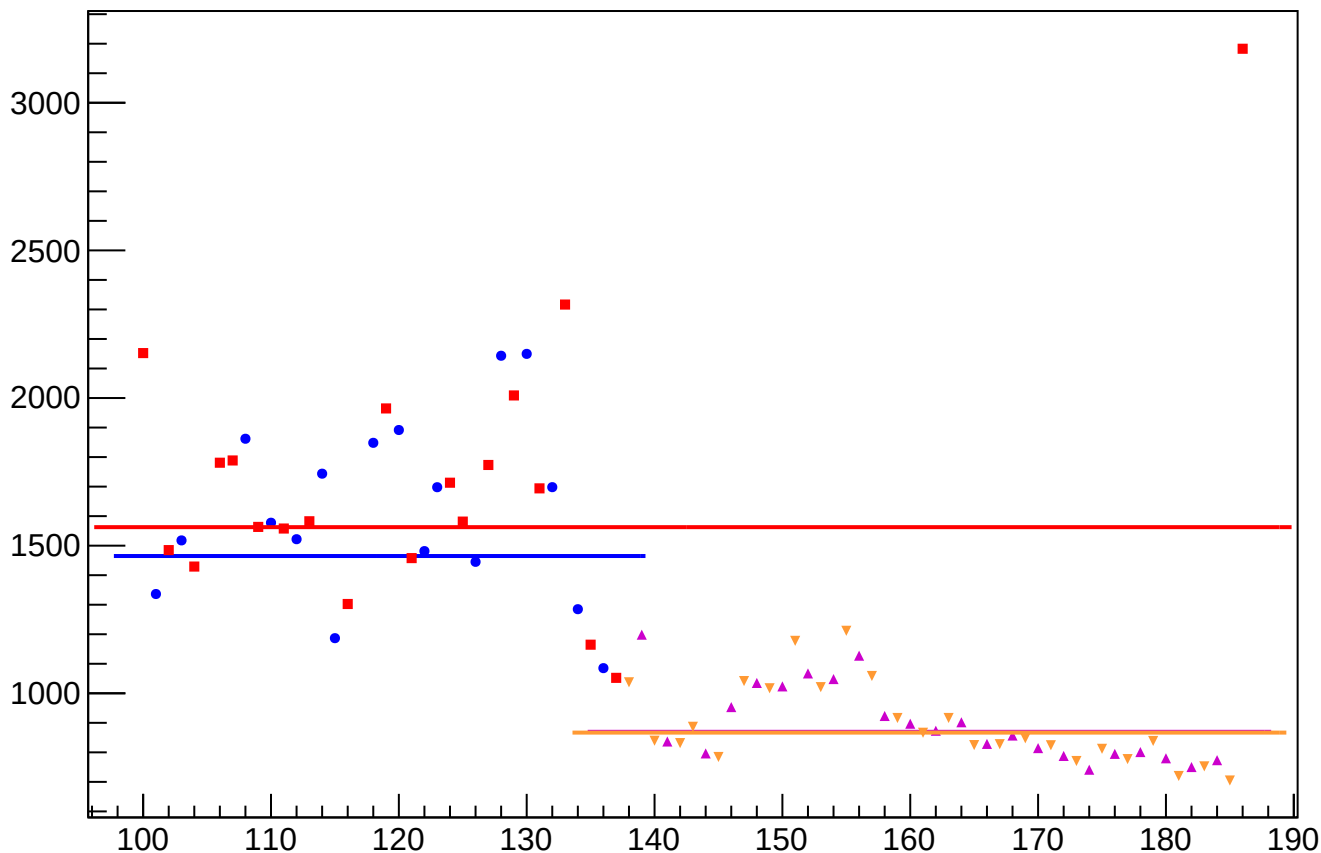
Left In: 11.687+/-210.073 χ^2/NDF : 31.2/22

+ sign -856.696+/-192.682 χ^2/NDF : 76.5/41

All: -488.199+/-138.009 χ^2/NDF : 129.4/84

- sign -100.007+/-197.764 χ^2/NDF : 45.4/42

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.922 ± 0.413 χ^2/NDF : 565343.8/16

Left Out: 866.893 ± 0.144 χ^2/NDF : 661712.5/24

Right Out: 1562.688 ± 0.415 χ^2/NDF : 654736.8/19

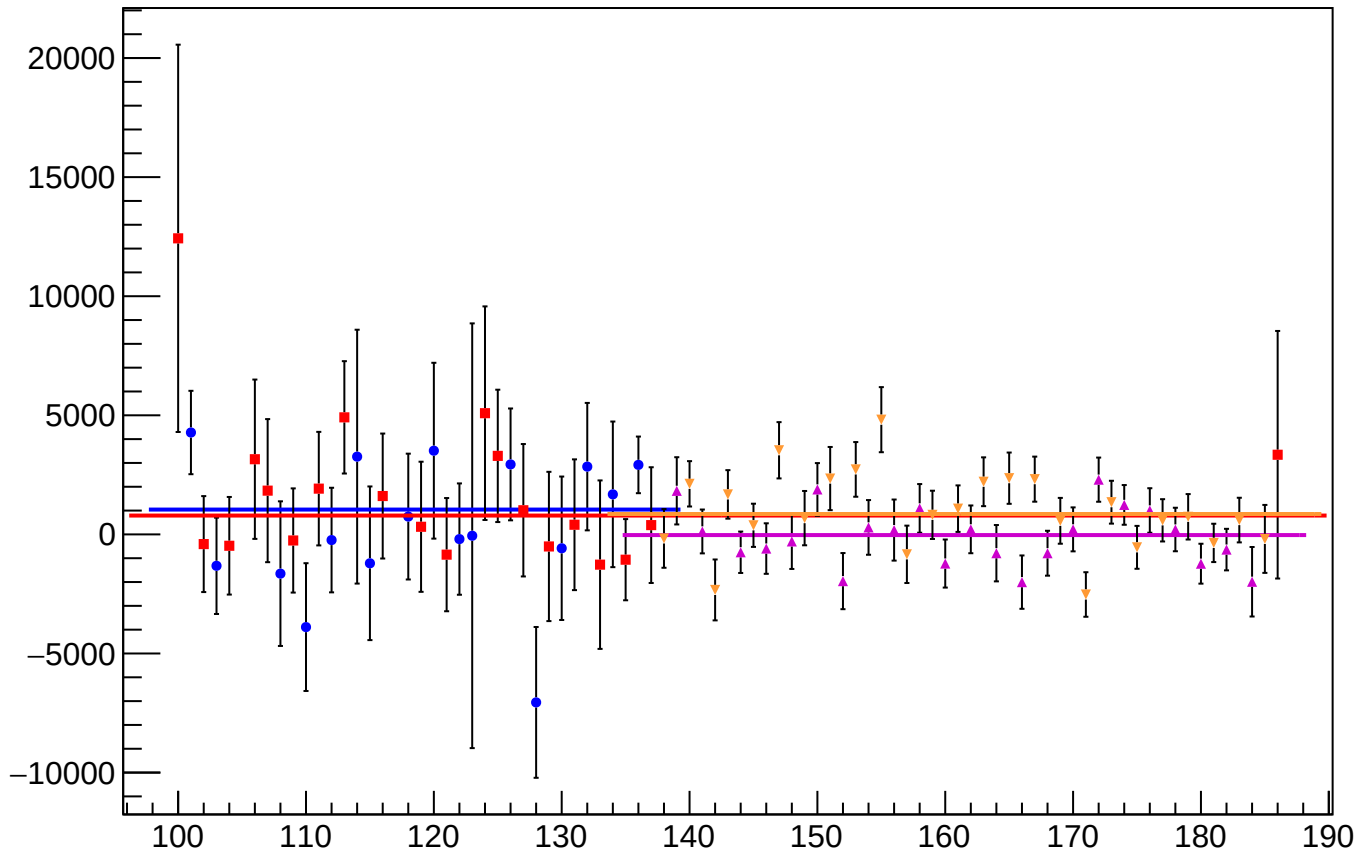
Left In: 869.569 ± 0.149 χ^2/NDF : 582301.2/22

+ sign 931.881 ± 0.136 χ^2/NDF : 3093172.8/41

All: 939.932 ± 0.098 χ^2/NDF : 6814033.9/84

- sign 948.413 ± 0.140 χ^2/NDF : 3713691.3/42

asym_sam_24_68_dd_mean vs Slug



Right In: 1042.489+/-585.716 χ^2/NDF : 21.2/16

Left Out: 855.664+/-205.047 χ^2/NDF : 54.1/24

Right Out: 791.137+/-587.710 χ^2/NDF : 11.2/19

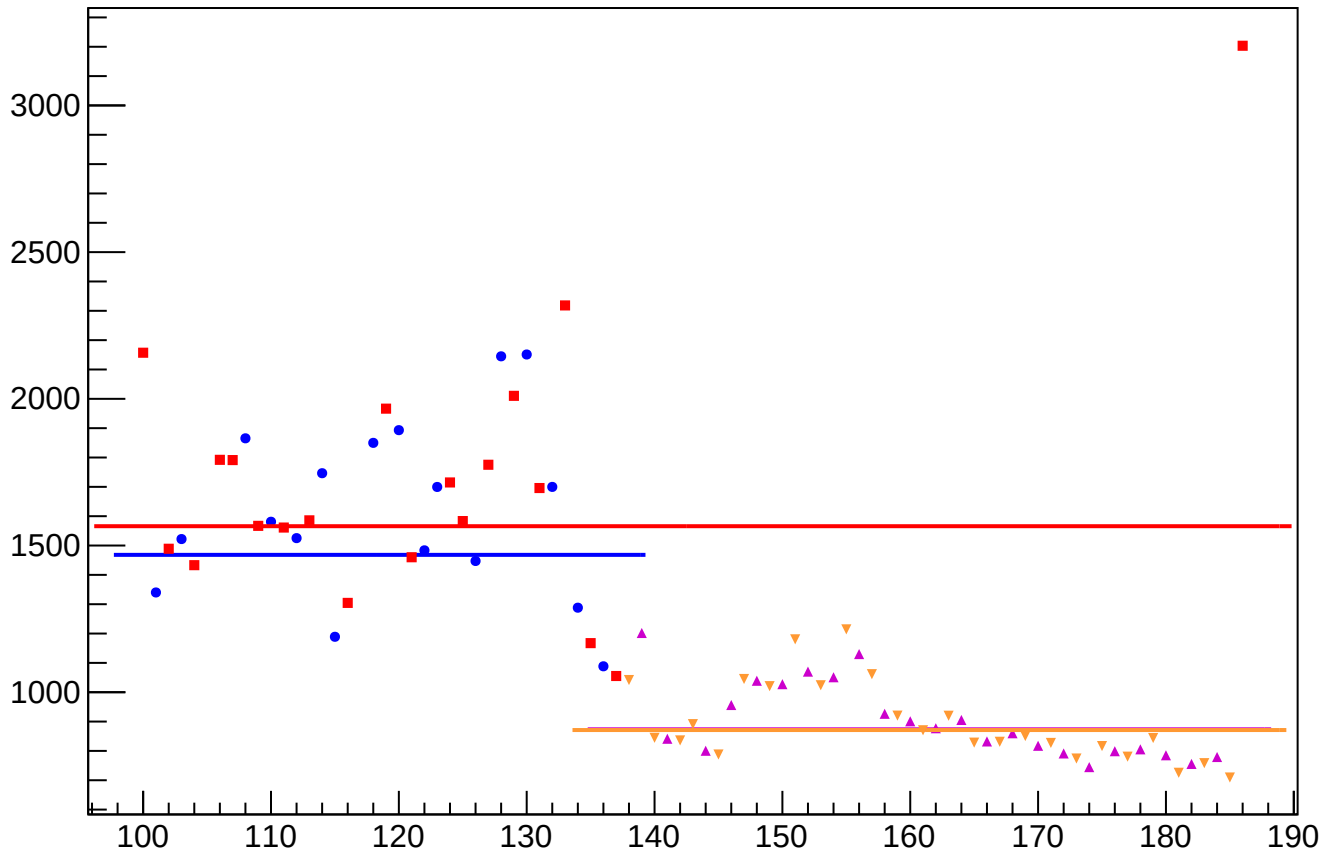
Left In: -28.553+/-211.034 χ^2/NDF : 29.7/22

+ sign 876.061+/-193.530 χ^2/NDF : 75.3/41

All: 481.081+/-138.610 χ^2/NDF : 126.6/84

- sign 65.065+/-198.617 χ^2/NDF : 42.7/42

asym_sam_24_68_dd_rms vs Slug



Right In: 1468.195 $\pm$ 0.414 χ^2 /NDF: 561893.4/16

Left Out: 871.109 $\pm$ 0.145 χ^2 /NDF: 651751.1/24

Right Out: 1565.865 $\pm$ 0.416 χ^2 /NDF: 654478.7/19

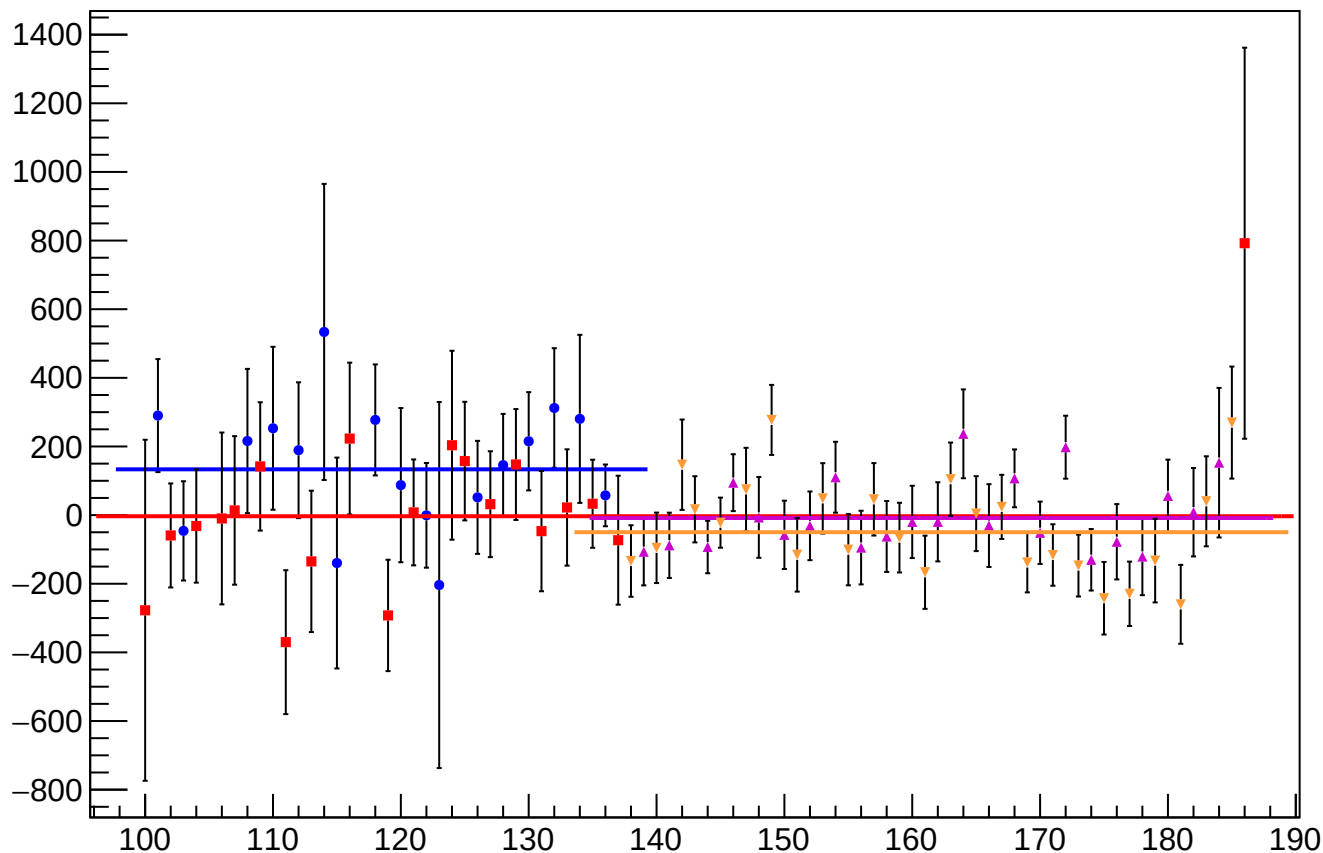
Left In: 873.675 $\pm$ 0.149 χ^2 /NDF: 573822.5/22

+ sign 936.296 $\pm$ 0.137 χ^2 /NDF: 3065137.4/41

All: 944.300 $\pm$ 0.098 χ^2 /NDF: 6757915.3/84

- sign 952.731 $\pm$ 0.140 χ^2 /NDF: 3685753.4/42

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 133.408 $\pm$ 41.705 χ^2 /NDF: 9.3/16

Left Out: -49.717 $\pm$ 20.580 χ^2 /NDF: 39.4/24

Right Out: -3.273 $\pm$ 41.402 χ^2 /NDF: 13.4/19

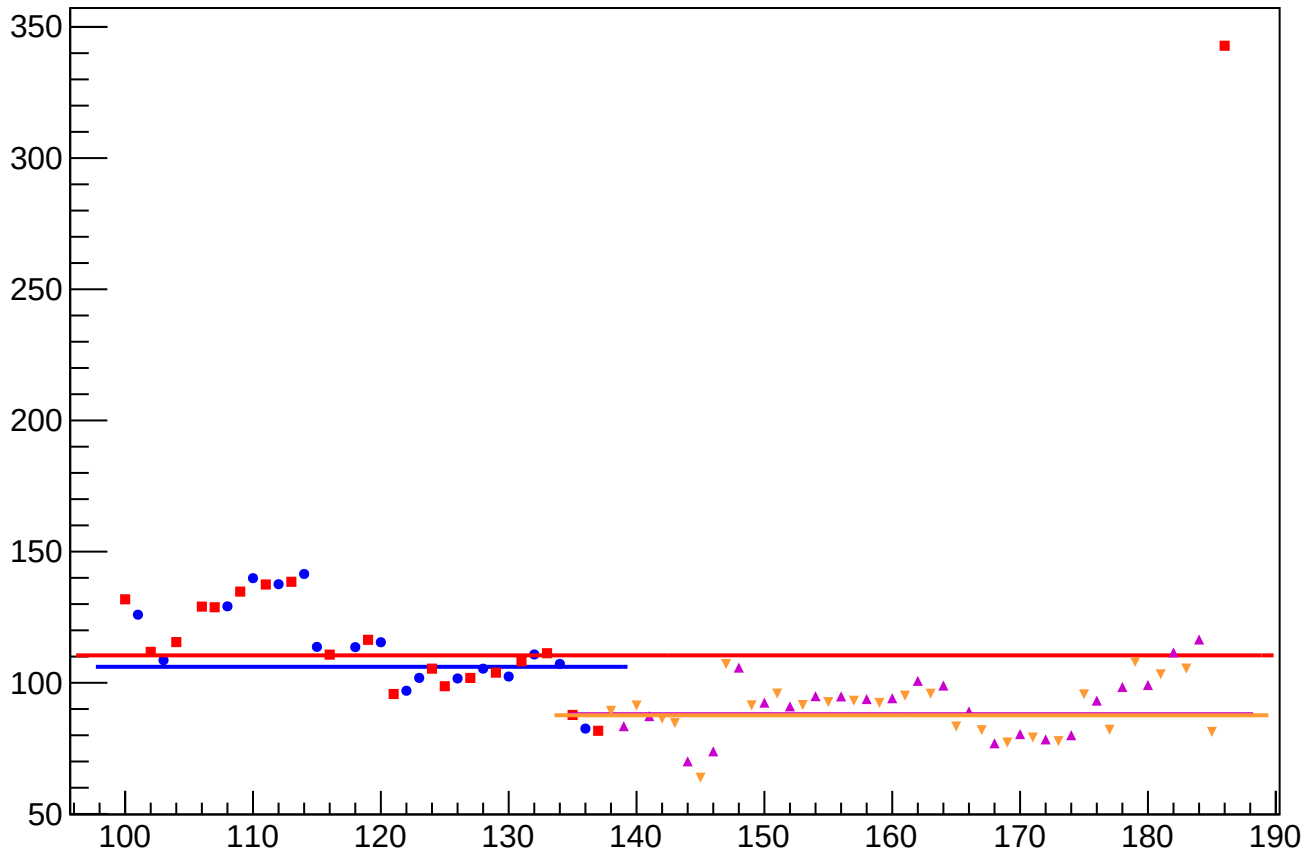
Left In: -8.343 $\pm$ 21.271 χ^2 /NDF: 22.0/22

+ sign -13.856 $\pm$ 18.455 χ^2 /NDF: 64.2/41

All: -10.652 $\pm$ 13.211 χ^2 /NDF: 99.7/84

- sign -7.284 $\pm$ 18.920 χ^2 /NDF: 35.4/42

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.094 $\pm$ 0.029 χ^2 /NDF: 316104.7/16

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 110.460 $\pm$ 0.029 χ^2 /NDF: 617993.1/19

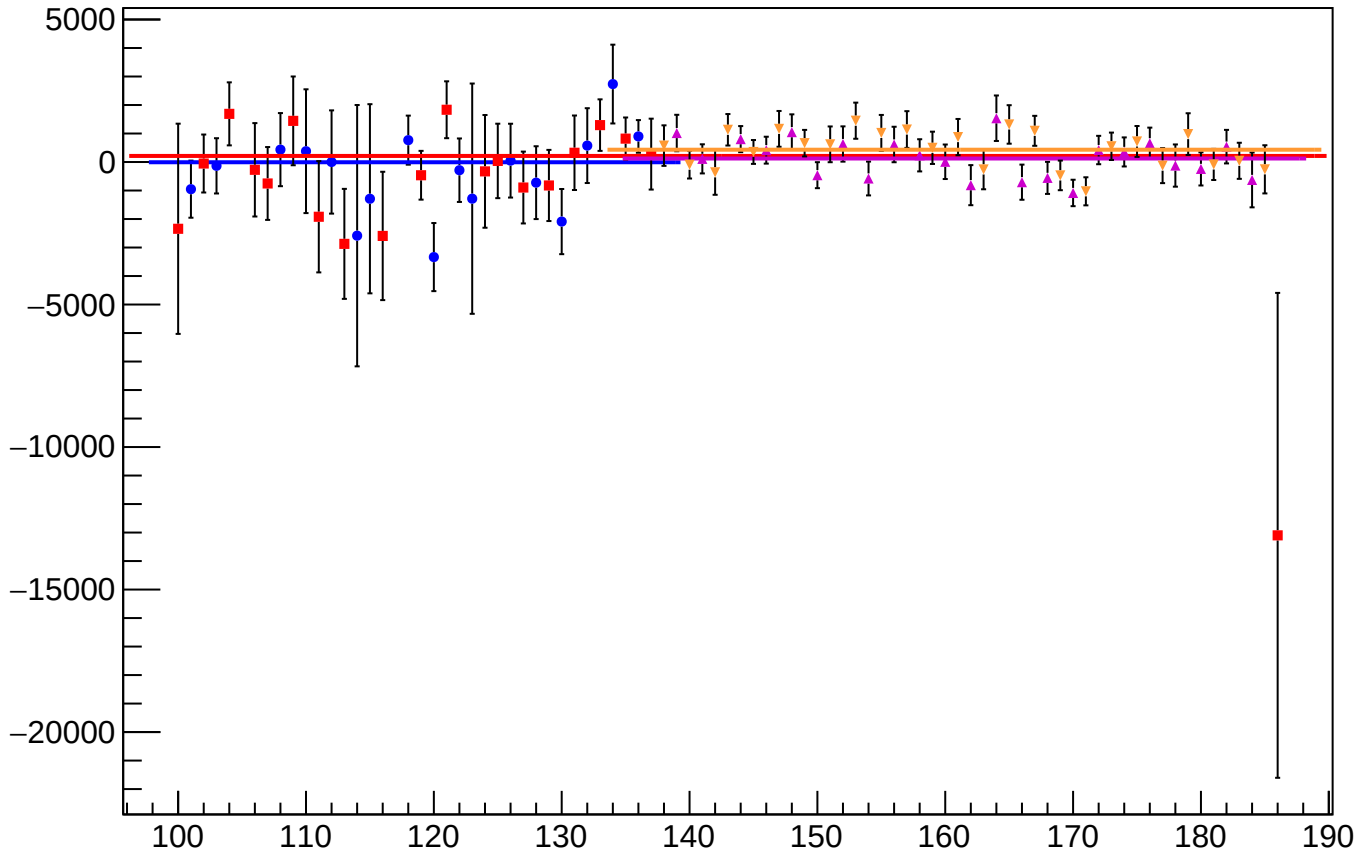
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 91.242 $\pm$ 0.013 χ^2 /NDF: 1186187.8/41

All: 91.961 $\pm$ 0.009 χ^2 /NDF: 2798455.2/84

- sign 92.716 $\pm$ 0.013 χ^2 /NDF: 1606046.9/42

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -8.296+/-284.265 χ^2/NDF : 20.5/16

Left Out: 431.658+/-115.706 χ^2/NDF : 30.5/24

Right Out: 213.388+/-279.994 χ^2/NDF : 18.3/19

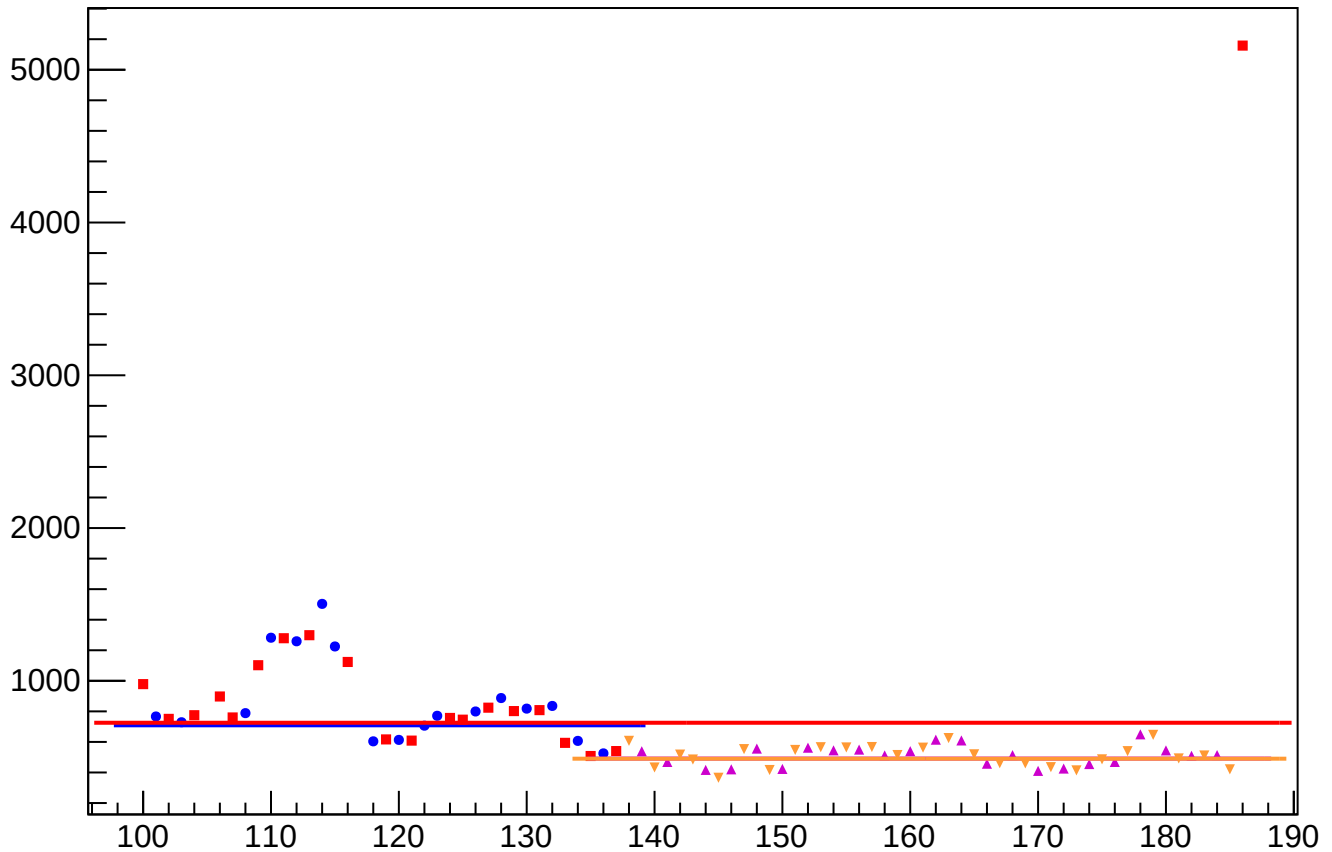
Left In: 123.017+/-118.849 χ^2/NDF : 29.3/22

+ sign 369.128+/-107.168 χ^2/NDF : 53.0/41

All: 255.366+/-76.557 χ^2/NDF : 103.0/84

- sign 136.814+/-109.401 χ^2/NDF : 47.6/42

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.820 ± 0.201 $\chi^2/\text{NDF}: 793495.1/16$

Left Out: 490.267 ± 0.082 $\chi^2/\text{NDF}: 750277.0/24$

+ sign 521.330 ± 0.076 $\chi^2/\text{NDF}: 2557959.6/41$

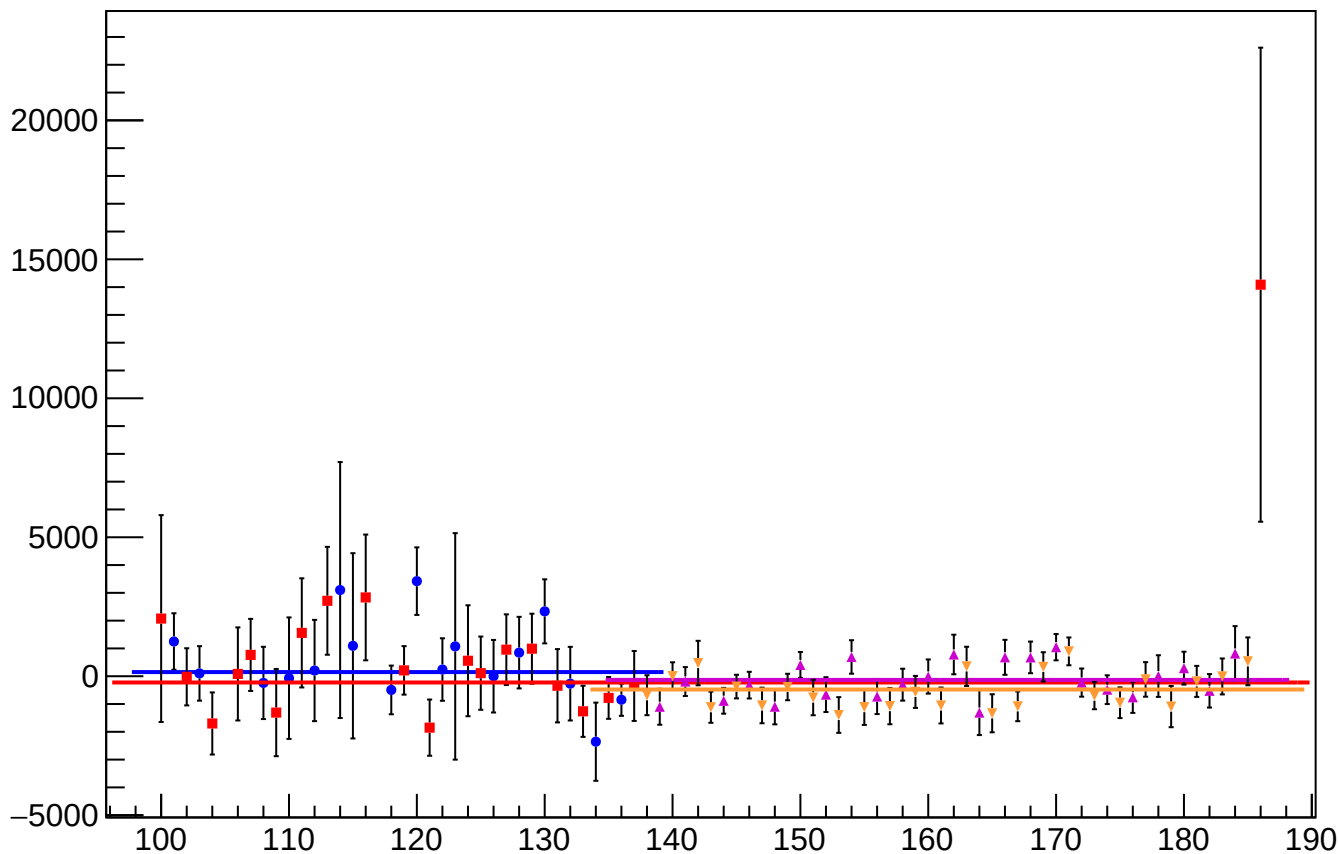
Right Out: 725.490 ± 0.198 $\chi^2/\text{NDF}: 1445566.2/19$

All: 523.970 ± 0.054 $\chi^2/\text{NDF}: 5784750.6/84$

- sign 526.722 ± 0.077 $\chi^2/\text{NDF}: 3224311.1/42$

Left In: 490.910 ± 0.084 $\chi^2/\text{NDF}: 589235.5/22$

asym_sam_26_48_dd_mean vs Slug



Right In: 149.114 ± 287.749 χ^2/NDF : 19.7/16

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -225.361 ± 283.626 χ^2/NDF : 17.7/19

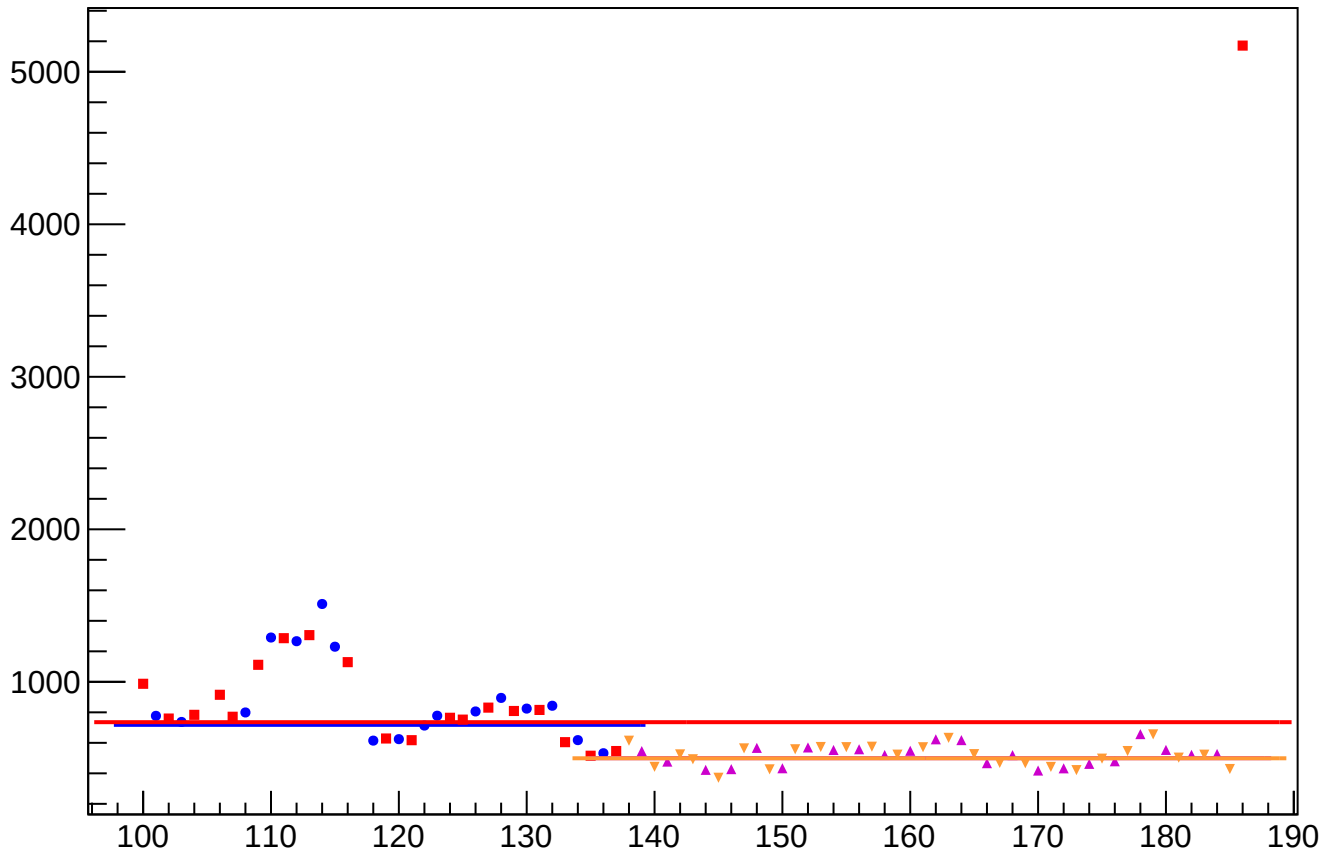
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -388.338 ± 108.906 χ^2/NDF : 51.6/41

All: -270.080 ± 77.804 χ^2/NDF : 101.3/84

- sign -146.808 ± 111.191 χ^2/NDF : 47.3/42

asym_sam_26_48_dd_rms vs Slug



Right In: 718.014 ± 0.203 χ^2/NDF : 778471.9/16

Left Out: 498.754 ± 0.083 χ^2/NDF : 734302.8/24

Right Out: 735.456 ± 0.201 χ^2/NDF : 1425434.7/19

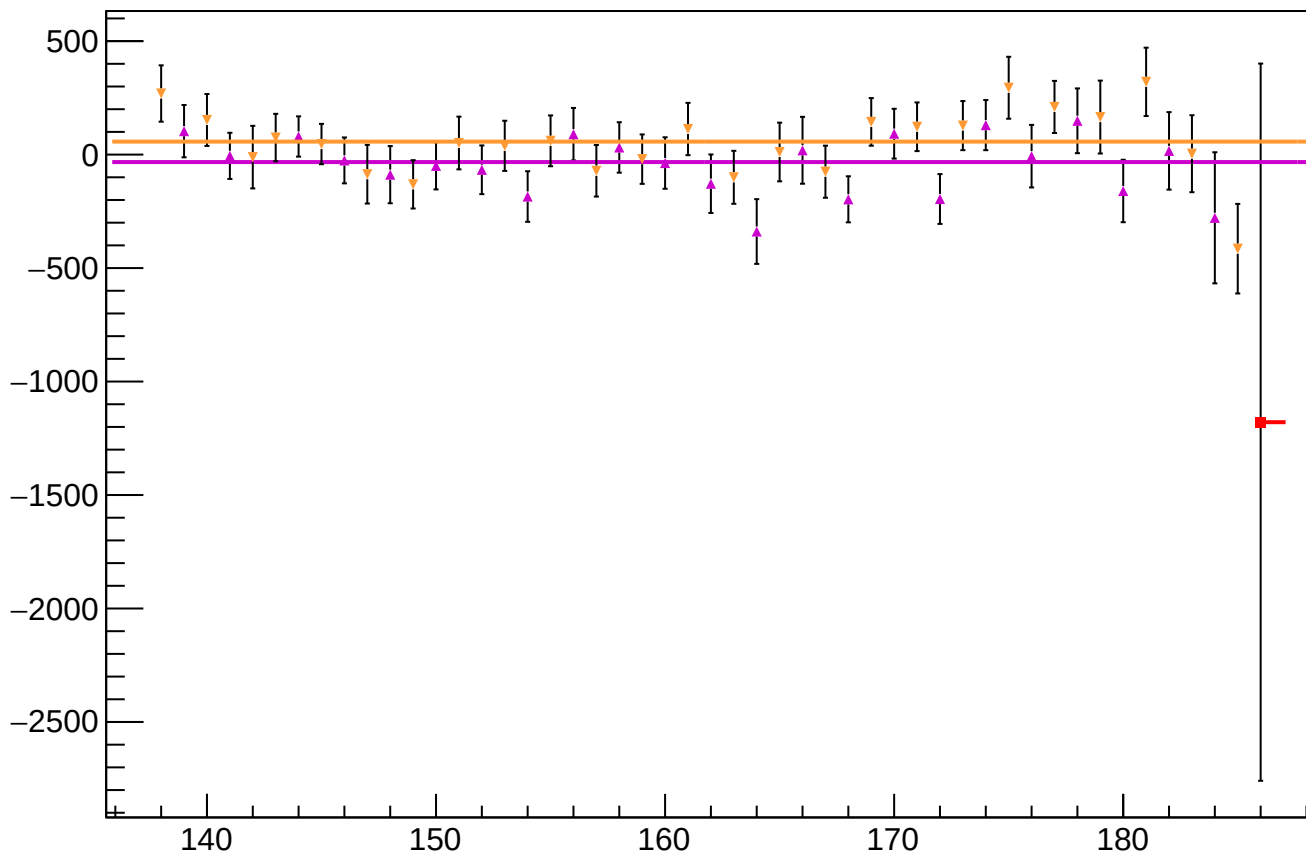
Left In: 499.393 ± 0.085 χ^2/NDF : 576539.2/22

+ sign 530.162 ± 0.077 χ^2/NDF : 2507664.8/41

All: 532.861 ± 0.055 χ^2/NDF : 5684669.5/84

- sign 535.673 ± 0.079 χ^2/NDF : 3174496.9/42

reg_asym_sam_1548_avg_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: -1179.060 ± 1580.134 χ^2/NDF : 0.0/0

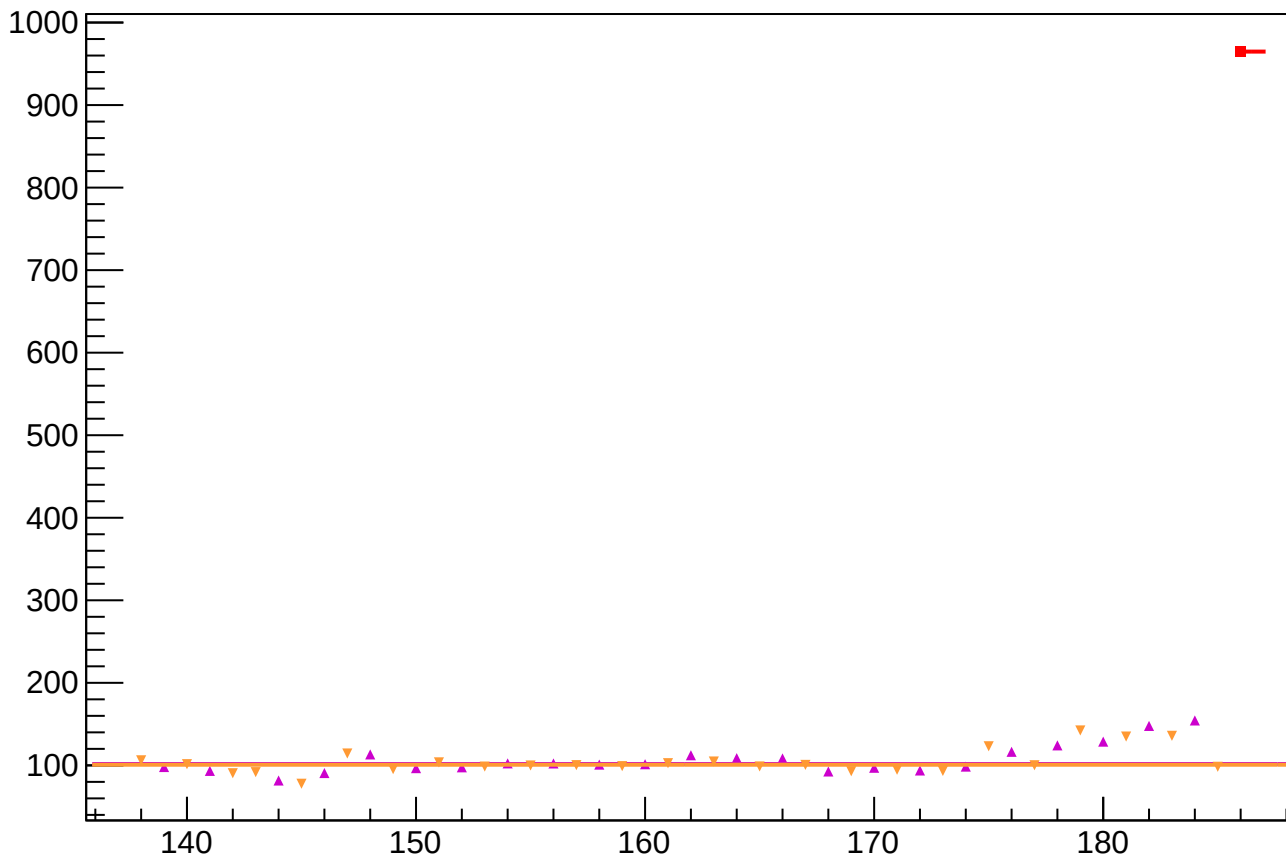
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: 13.622 ± 17.068 χ^2/NDF : 60.3/48

- sign -33.226 ± 24.584 χ^2/NDF : 24.1/23

reg_asym_sam_1548_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 100.801+/-0.017 χ^2/NDF : 600502.4/24

Right Out: 964.788+/-1.117 χ^2/NDF : 0.0/0

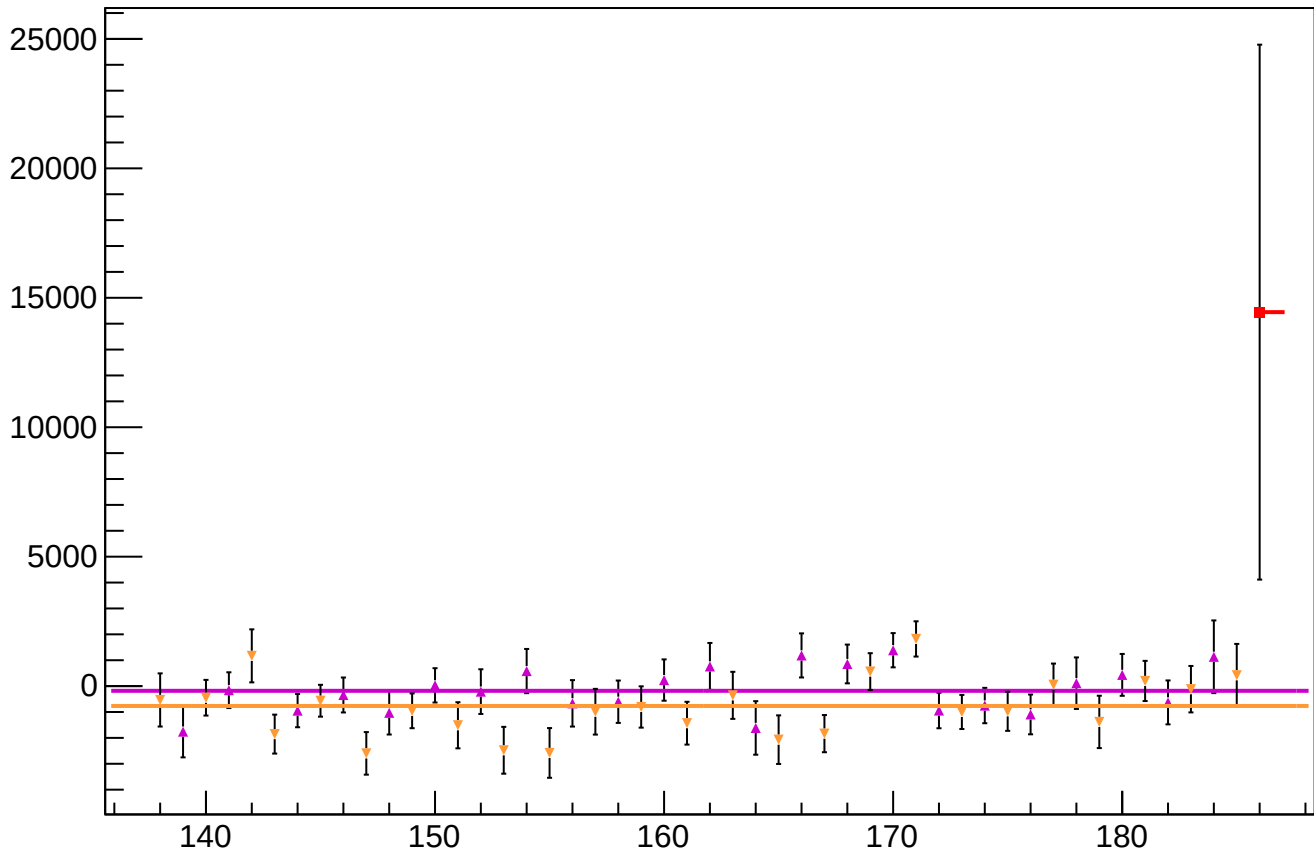
Left In: 101.622+/-0.017 χ^2/NDF : 582329.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 101.297+/-0.012 χ^2/NDF : 1781309.0/48

- sign 101.831+/-0.017 χ^2/NDF : 1178987.5/23

asym_sam_1548_avg_correction_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -766.358 $\pm$ 161.066 χ^2 /NDF:46.5/24

Right Out: 14446.137 $\pm$ 10331.594 χ^2 /NDF: 0.0/0

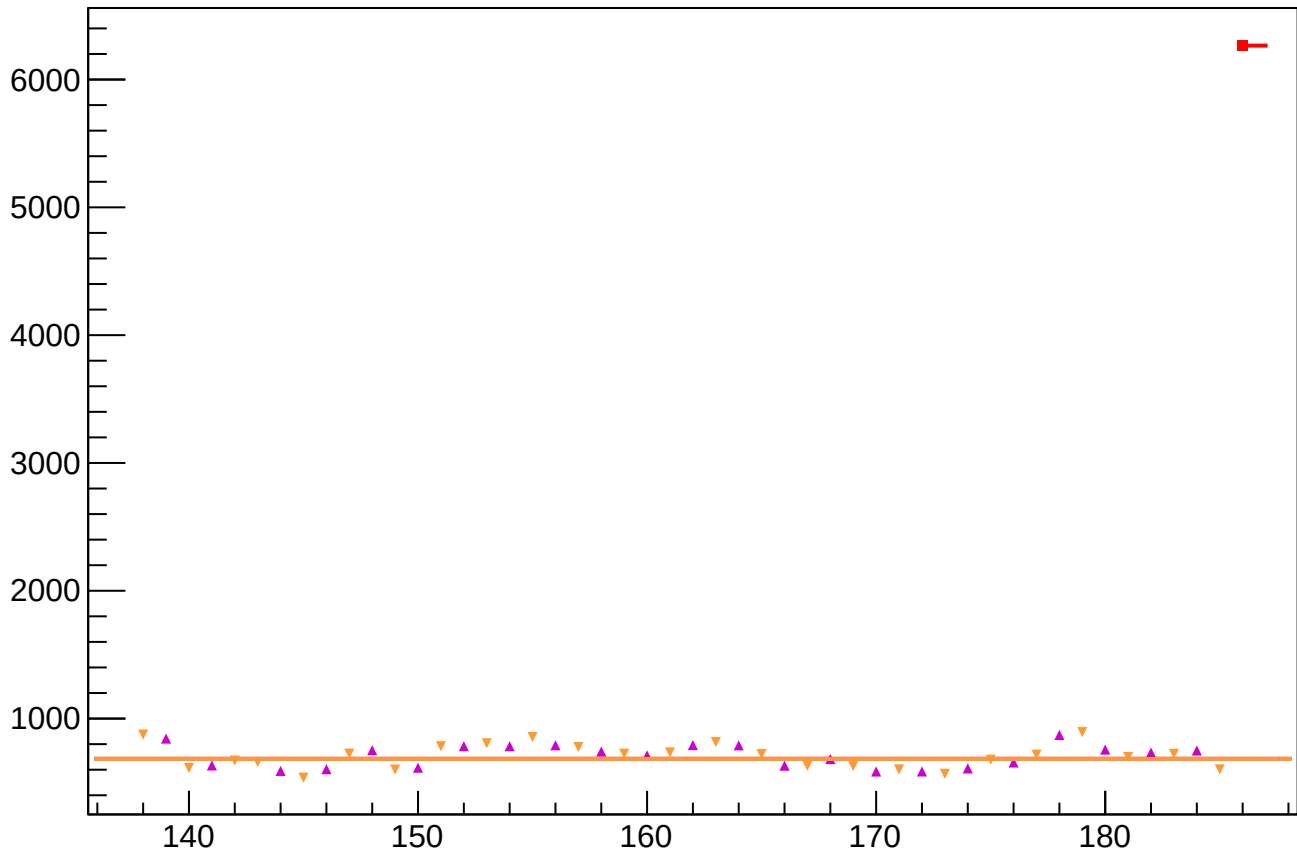
Left In: -181.584 $\pm$ 165.671 χ^2 /NDF:25.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -480.345 $\pm$ 115.477 χ^2 /NDF: 80.0/48

- sign -177.823 $\pm$ 165.650 χ^2 /NDF: 27.0/23

asym_sam_1548_avg_correction_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 6265.420 $\pm$ 7.306 χ^2 /NDF: 0.0/0

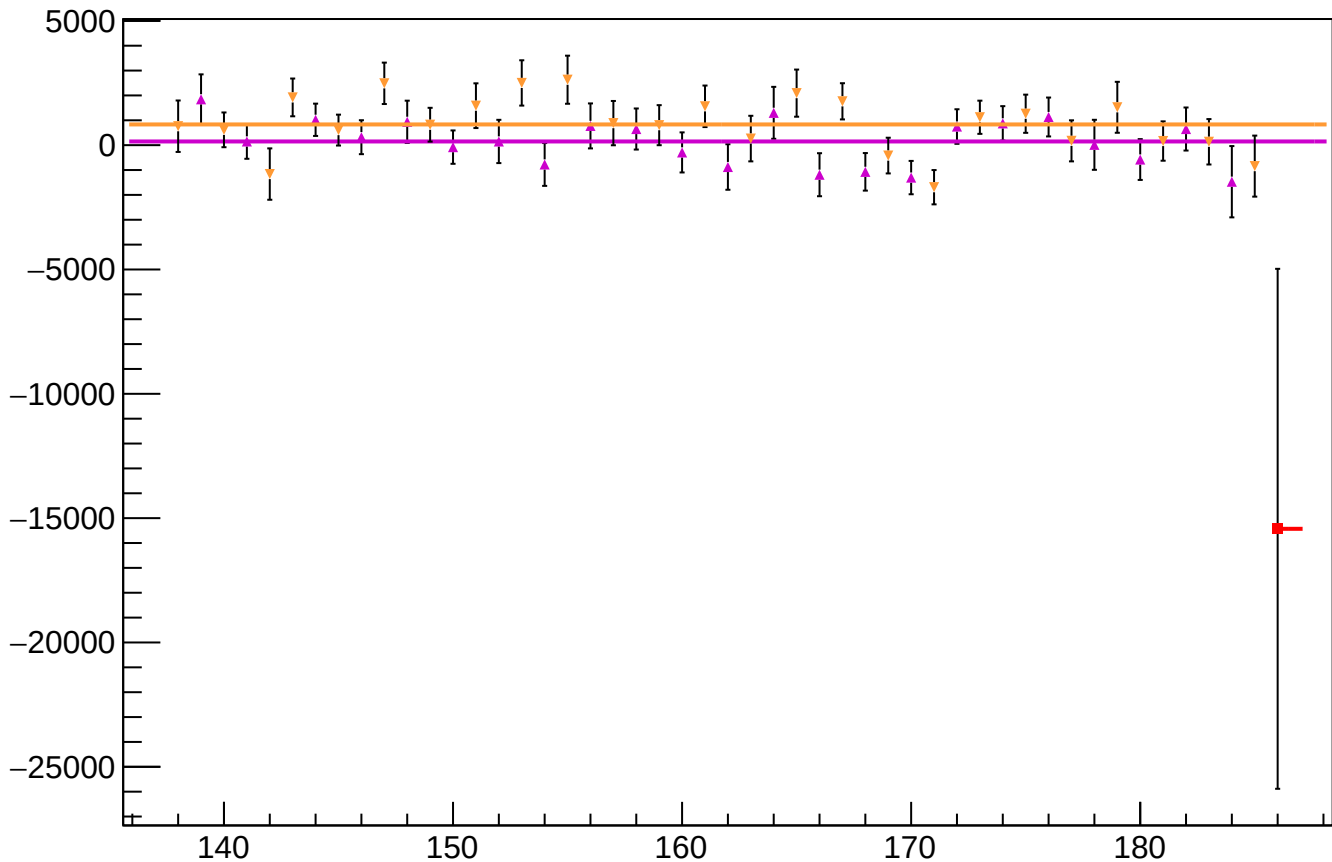
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 685.412 $\pm$ 0.082 χ^2 /NDF: 1780092.1/48

- sign 687.027 $\pm$ 0.117 χ^2 /NDF: 1112563.9/23

asym_sam_1548_avg_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 833.395 ± 162.965 χ^2/NDF : 43.2/24

Right Out: -15429.058 ± 10455.613 χ^2/NDF : 0.0/0

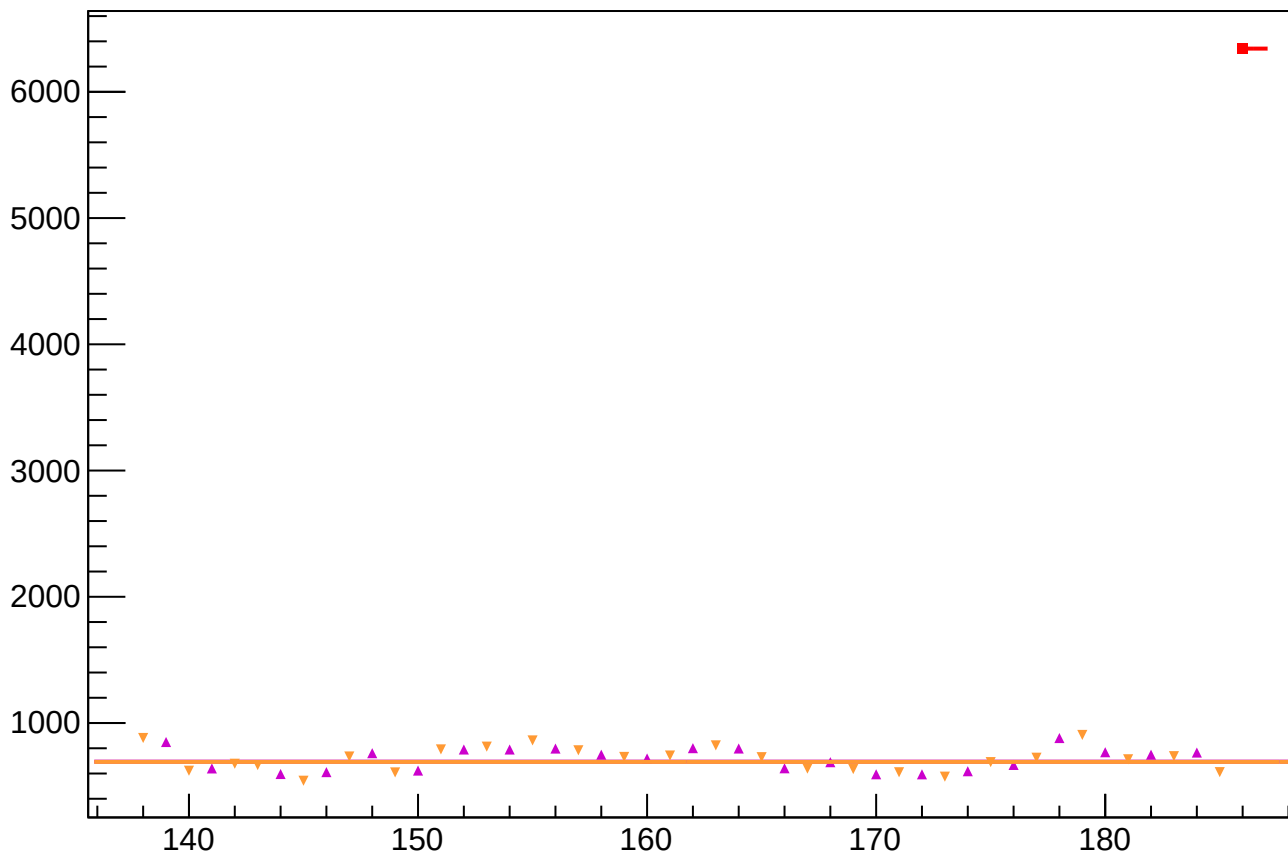
Left In: 148.814 ± 167.644 χ^2/NDF : 26.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: 498.802 ± 116.846 χ^2/NDF : 80.1/48

- sign 144.810 ± 167.623 χ^2/NDF : 28.2/23

asym_sam_1548_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 6342.458+/-7.393 χ^2/NDF : 0.0/0

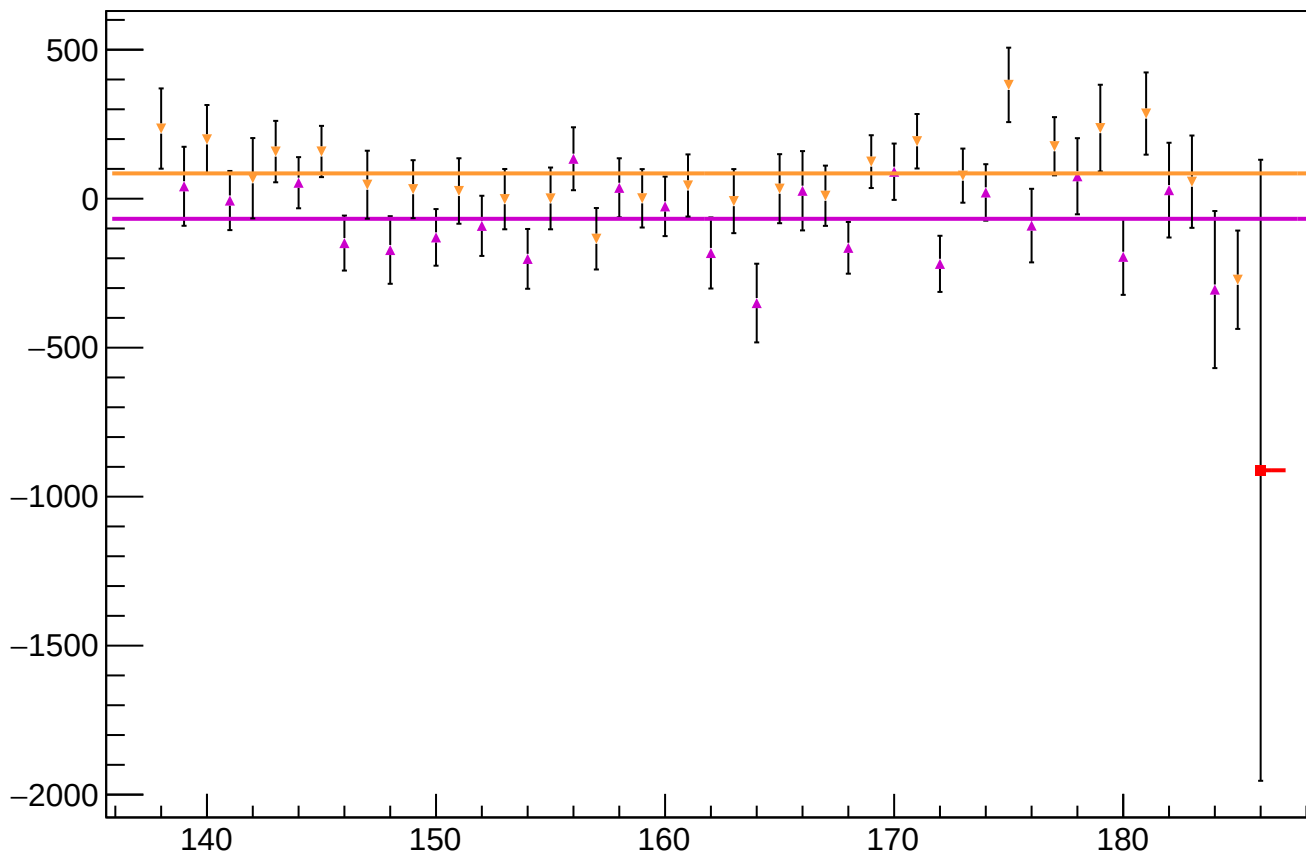
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 693.662+/-0.083 χ^2/NDF : 1763271.9/48

- sign 695.319+/-0.119 χ^2/NDF : 1105632.4/23

reg_asym_sam_3748_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 84.860+/-21.643 χ^2/NDF :28.5/24

Right Out: -911.496+/-1042.106 χ^2/NDF : 0.0/0

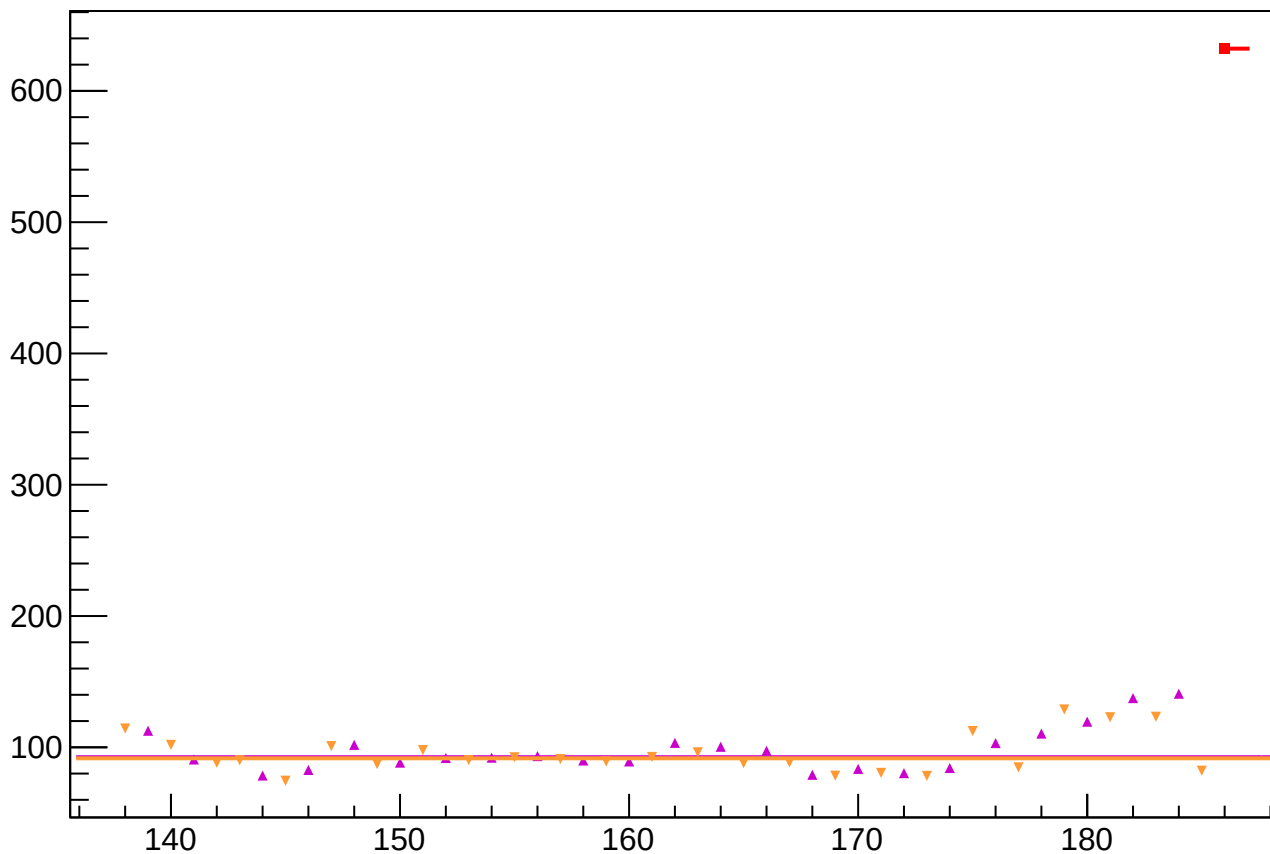
Left In: -67.552+/-22.449 χ^2/NDF :28.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 11.234+/-15.579 χ^2/NDF : 82.0/48

- sign -67.944+/-22.444 χ^2/NDF : 29.5/23

reg_asym_sam_3748_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 91.633+/-0.015 χ^2/NDF : 693122.0/24

Right Out: 632.197+/-0.737 χ^2/NDF : 0.0/0

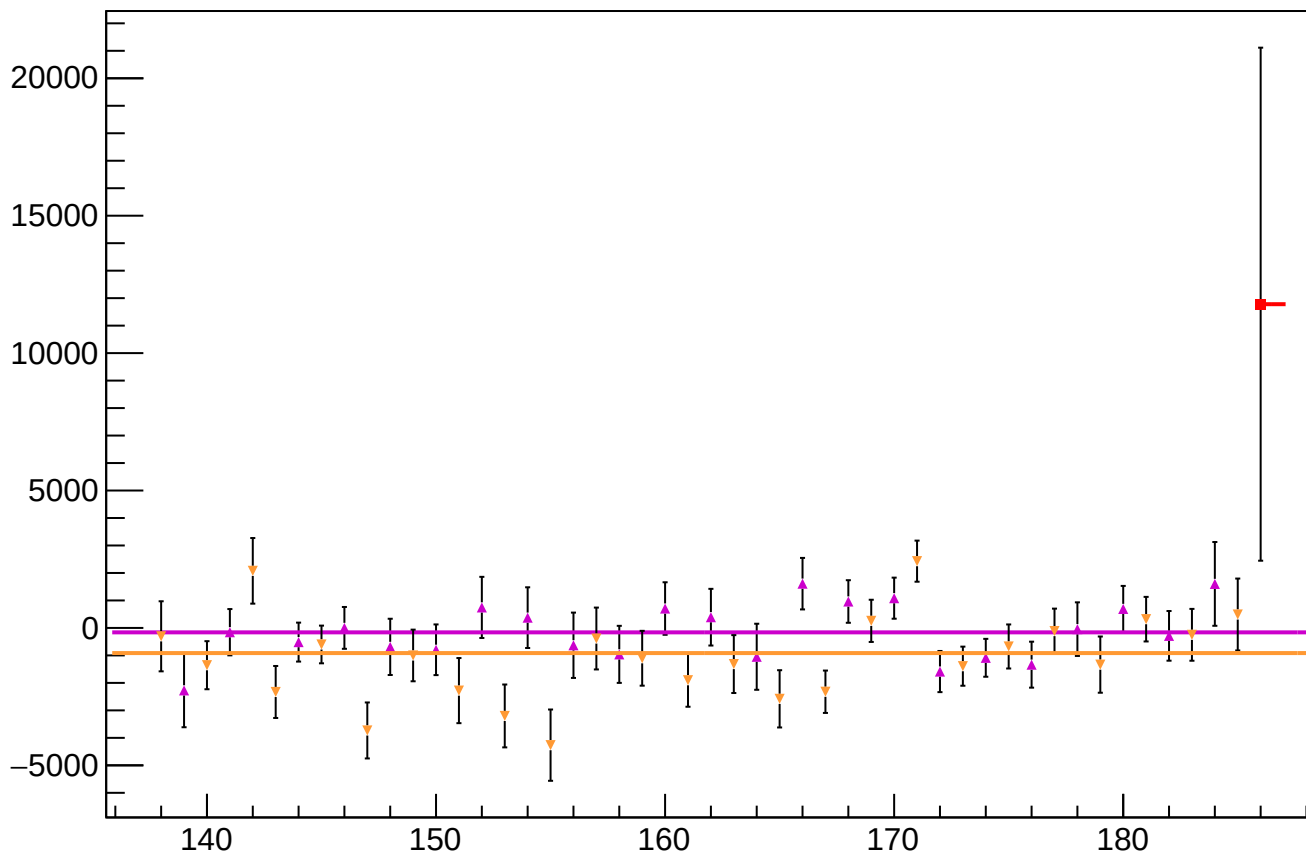
Left In: 92.466+/-0.016 χ^2/NDF : 655700.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 92.155+/-0.011 χ^2/NDF : 1887478.4/48

- sign 92.716+/-0.016 χ^2/NDF : 1191940.9/23

asym_sam_3748_avg_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -914.719+/-185.341 χ^2/NDF : 64.2/24

Right Out: 11780.130+/-9334.043 χ^2/NDF : 0.0/0

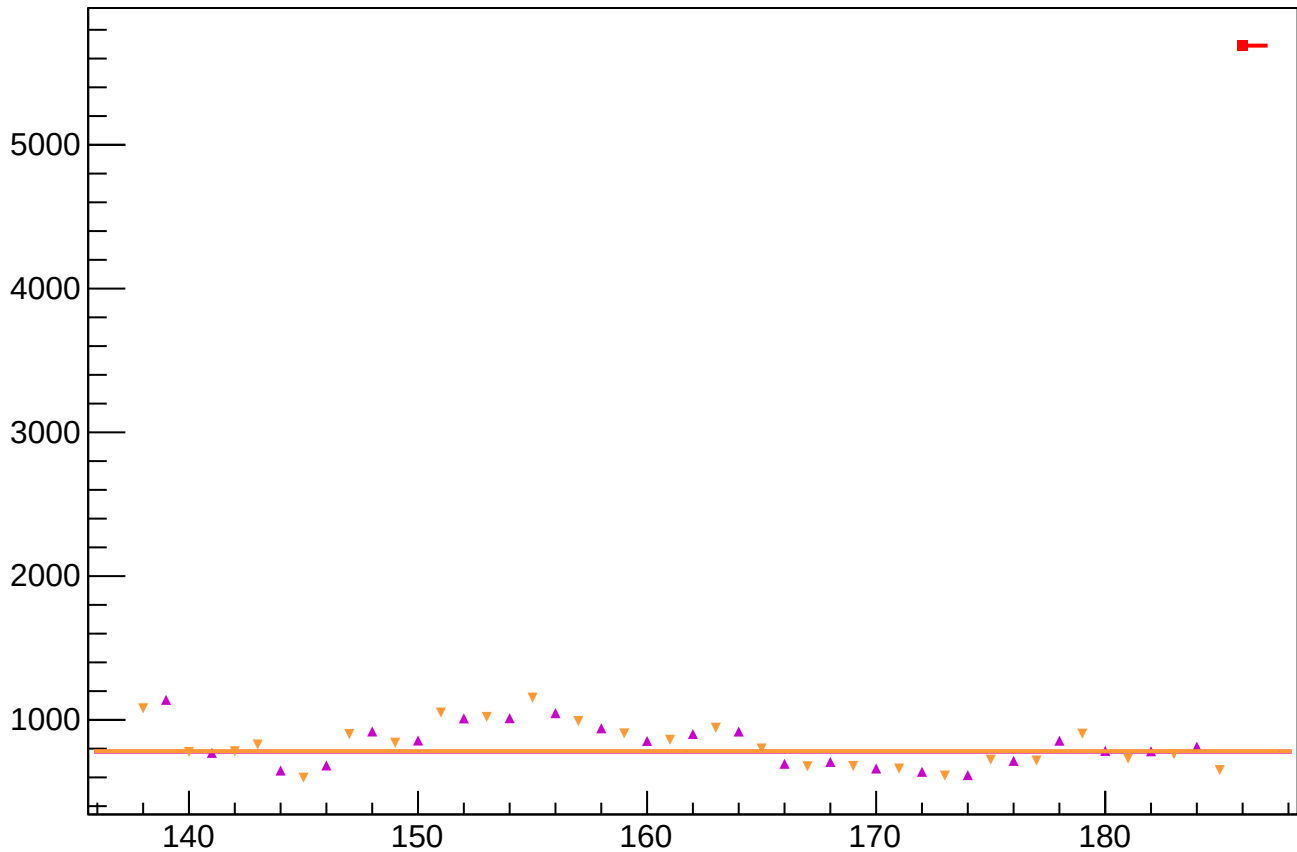
Left In: -161.076+/-189.491 χ^2/NDF : 25.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -543.757+/-132.485 χ^2/NDF : 99.1/48

- sign -156.157+/-189.452 χ^2/NDF : 26.7/23

asym_sam_3748_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 782.042+/-0.131 χ^2/NDF : 1130984.3/24

Right Out: 5690.010+/-6.600 χ^2/NDF : 0.0/0

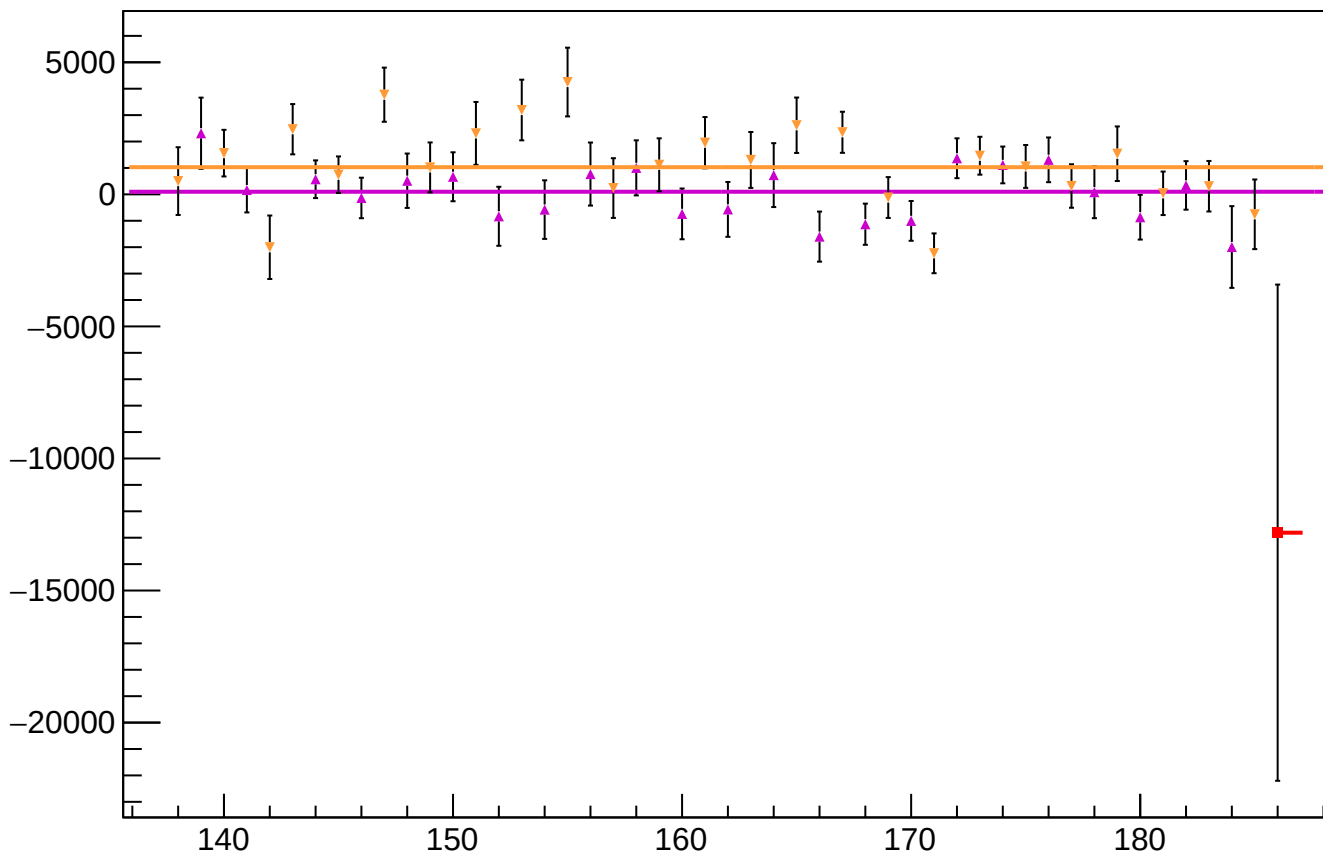
Left In: 778.995+/-0.134 χ^2/NDF : 980243.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 781.541+/-0.094 χ^2/NDF : 2664676.7/48

- sign 781.018+/-0.134 χ^2/NDF : 1533662.5/23

asym_sam_3748_avg_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF:60.2/24

Right Out: -12810.123 $\pm$ 9393.692 χ^2 /NDF: 0.0/0

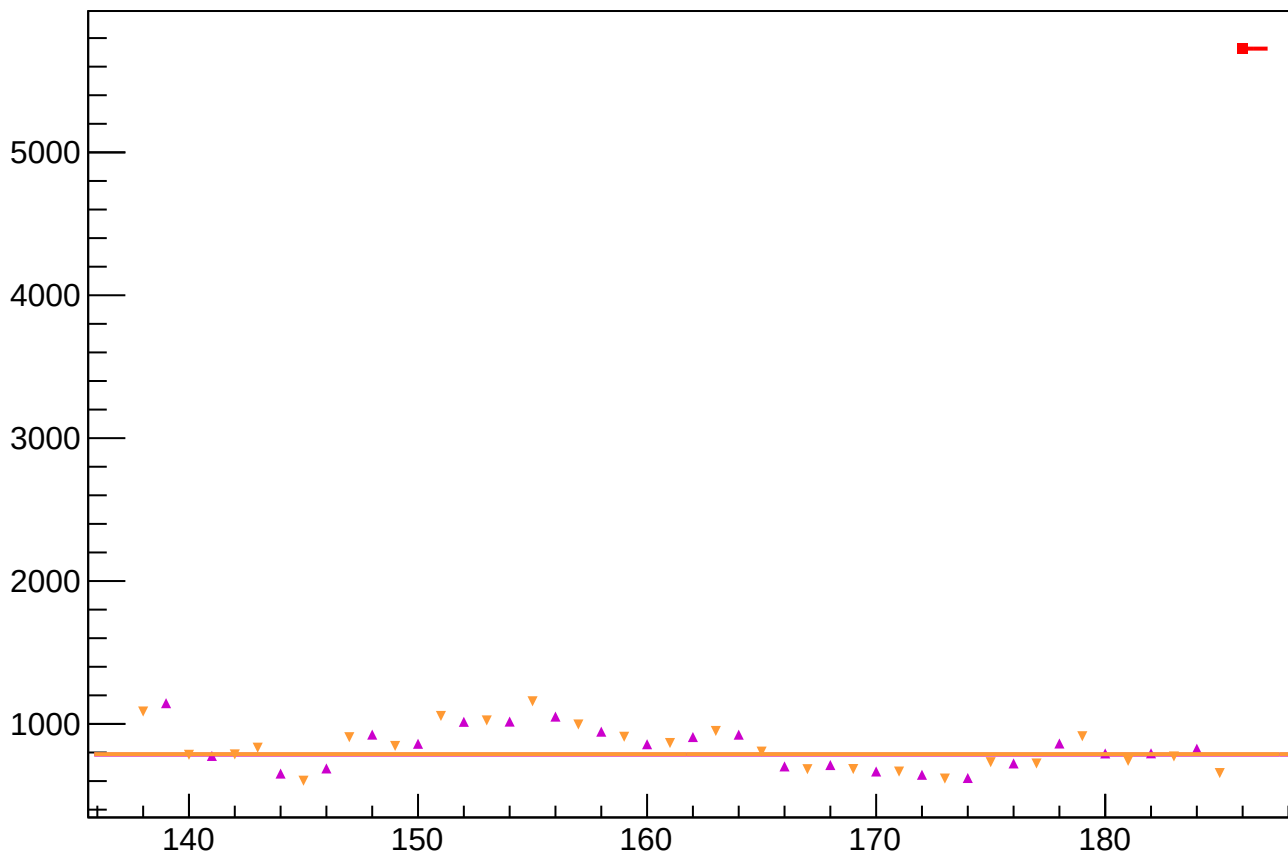
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF:25.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 571.452 $\pm$ 133.547 χ^2 /NDF: 99.7/48

- sign 93.355 $\pm$ 190.987 χ^2 /NDF: 27.3/23

asym_sam_3748_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 788.442+/-0.132 χ^2/NDF : 1113741.6/24

Right Out: 5726.201+/-6.642 χ^2/NDF : 0.0/0

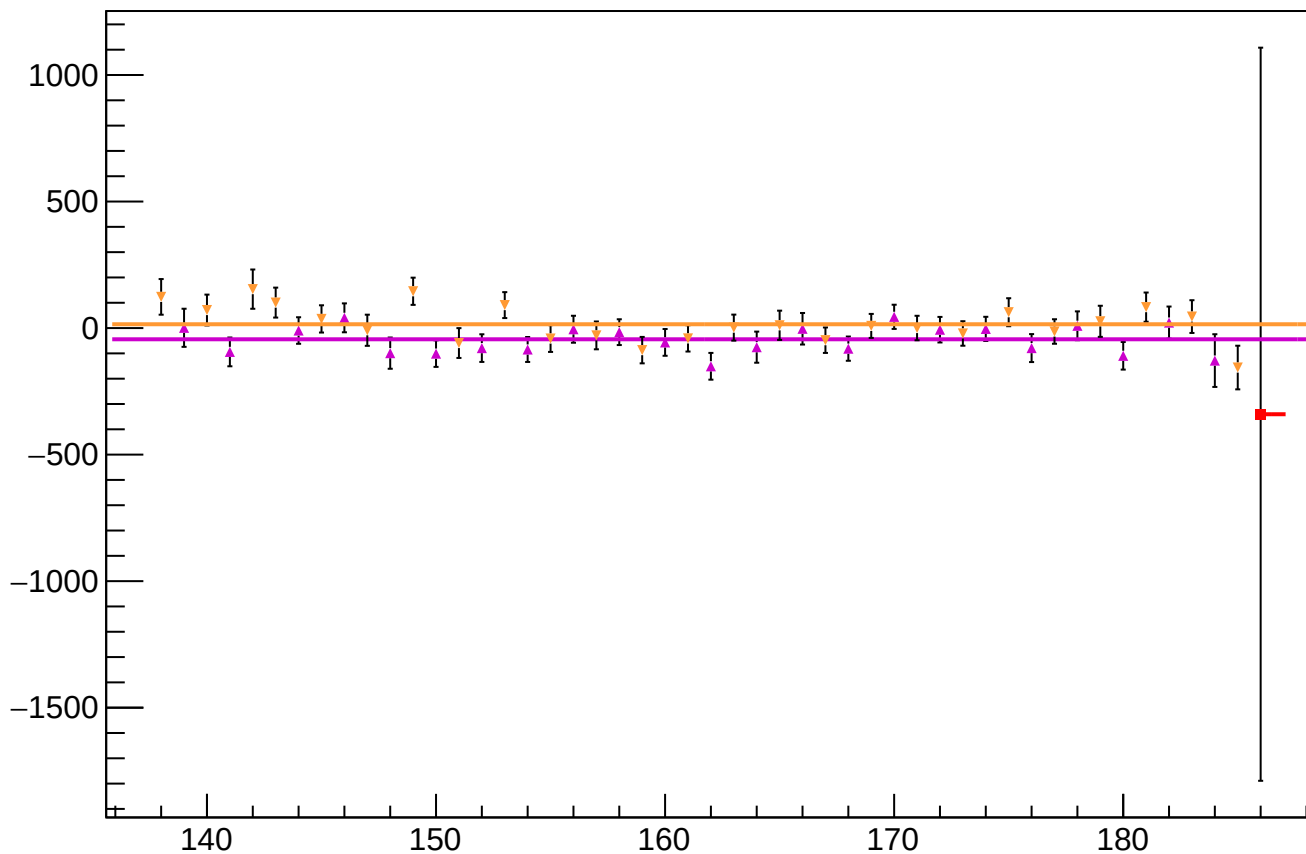
Left In: 785.490+/-0.135 χ^2/NDF : 965338.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 787.997+/-0.094 χ^2/NDF : 2632143.7/48

- sign 787.533+/-0.135 χ^2/NDF : 1518378.9/23

reg_asym_sam_1526_avg_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 15.099 $\pm$ 11.154 χ^2 /NDF:34.2/24

Right Out: -340.459 $\pm$ 1448.453 χ^2 /NDF: 0.0/0

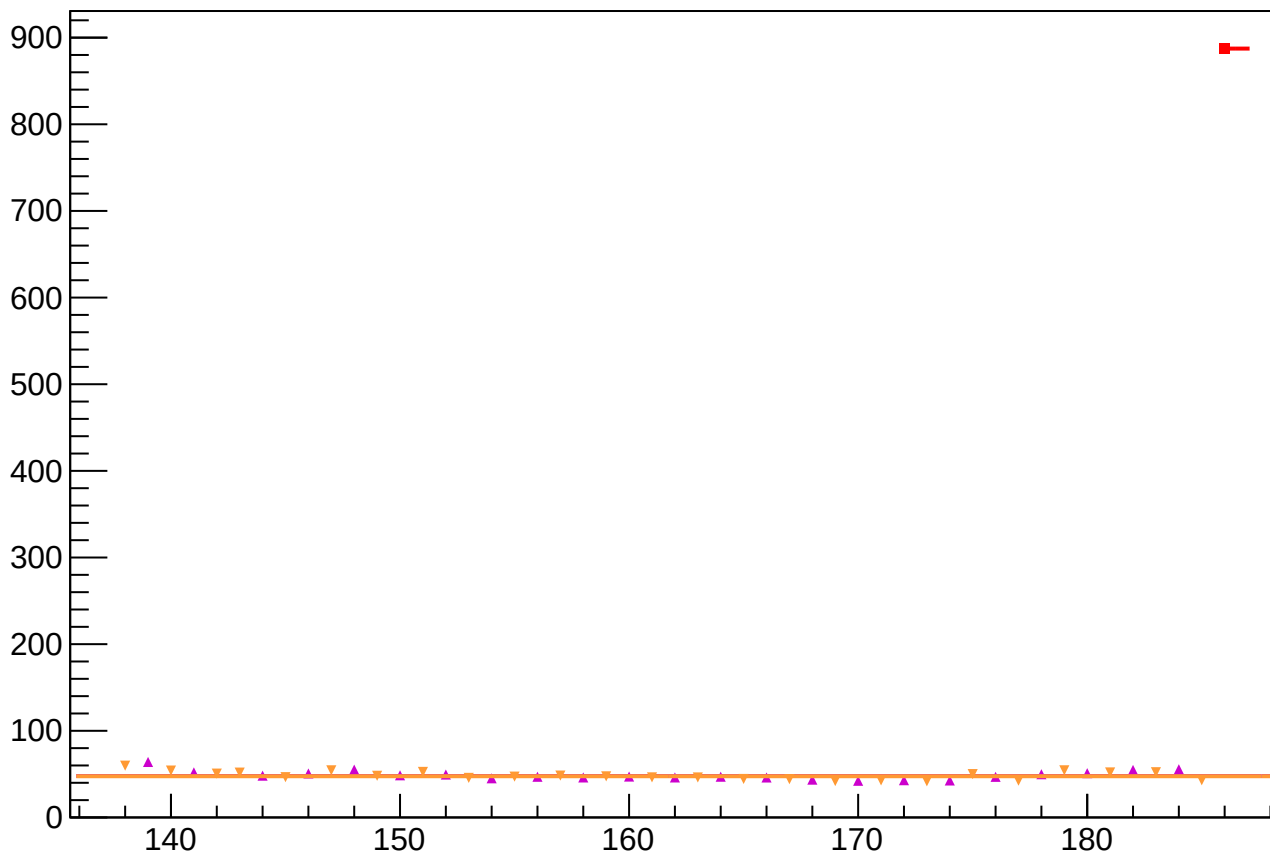
Left In: -44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -13.626 $\pm$ 8.017 χ^2 /NDF: 70.2/48

- sign -44.316 $\pm$ 11.529 χ^2 /NDF: 22.3/23

reg_asym_sam_1526_avg_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF:312874.8/24

Right Out: 887.366 $\pm$ 1.024 χ^2 /NDF: 0.0/0

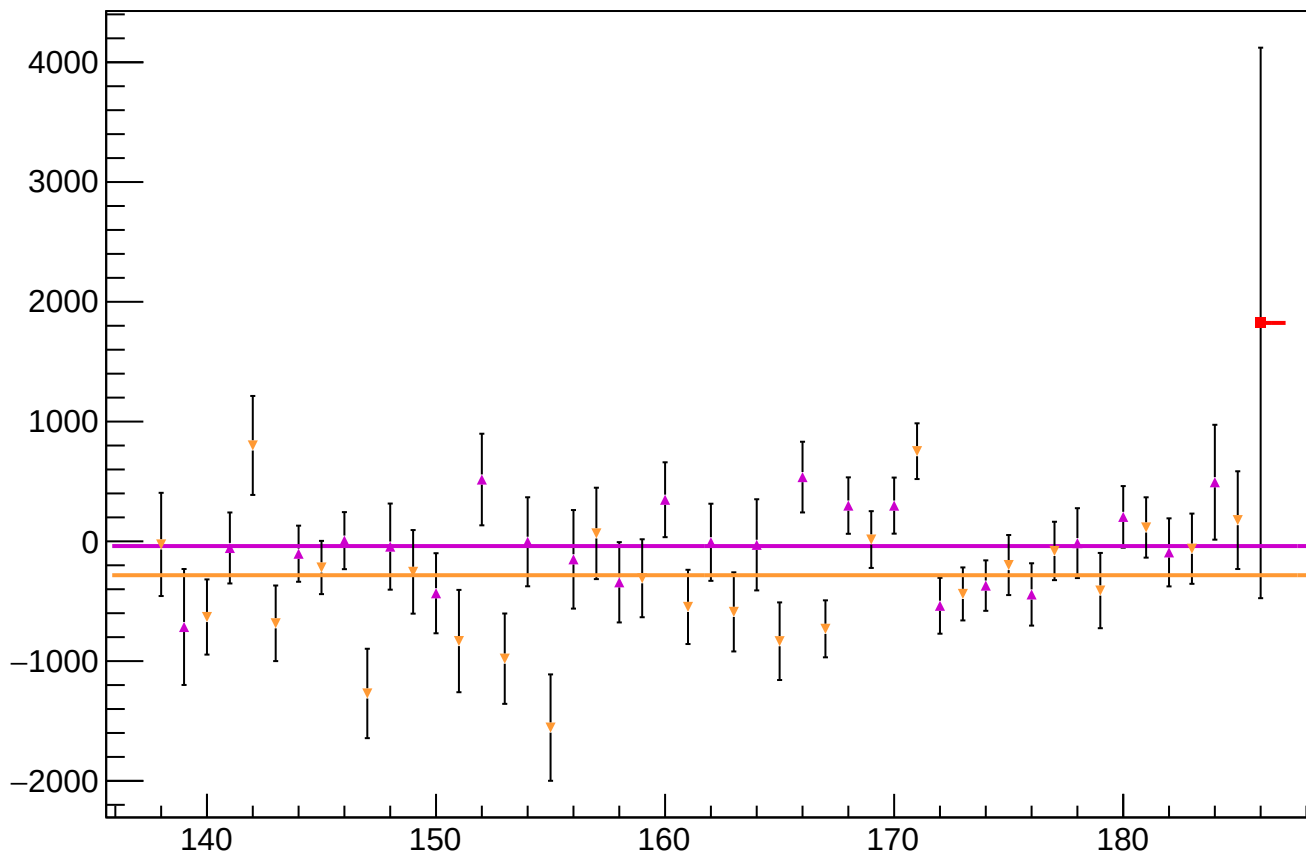
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF:281790.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 47.738 $\pm$ 0.006 χ^2 /NDF: 1267251.0/48

- sign 47.899 $\pm$ 0.008 χ^2 /NDF: 953614.5/23

asym_sam_1526_avg_correction_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -282.798 $\pm$ 59.690 χ^2 /NDF: 66.5/24

Right Out: 1823.674 $\pm$ 2298.233 χ^2 /NDF: 0.0/0

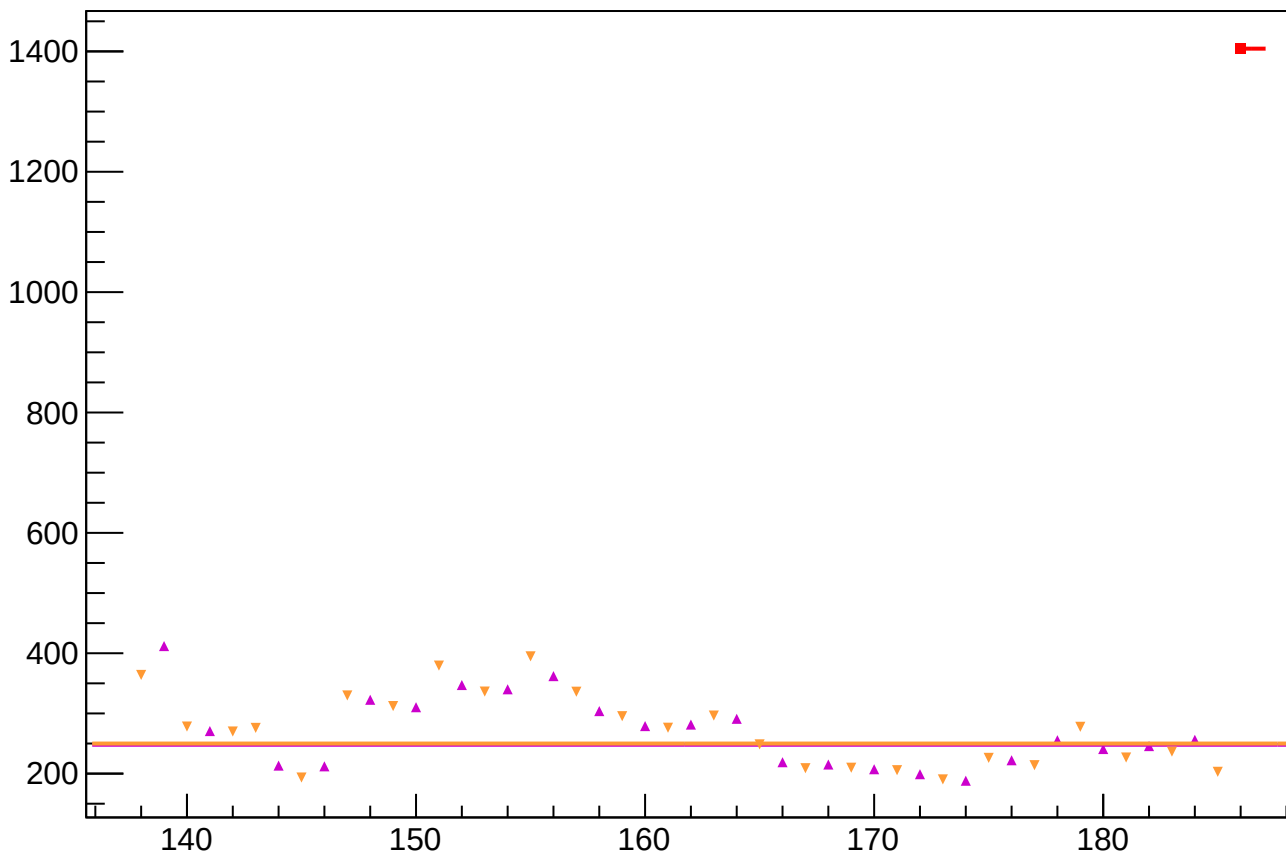
Left In: -39.432 $\pm$ 60.759 χ^2 /NDF: 27.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -162.593 $\pm$ 42.573 χ^2 /NDF: 103.0/48

- sign -38.130 $\pm$ 60.738 χ^2 /NDF: 28.2/23

asym_sam_1526_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 249.956+/-0.042 χ^2/NDF :1614205.9/24

Right Out: 1404.564+/-1.625 χ^2/NDF : 0.0/0

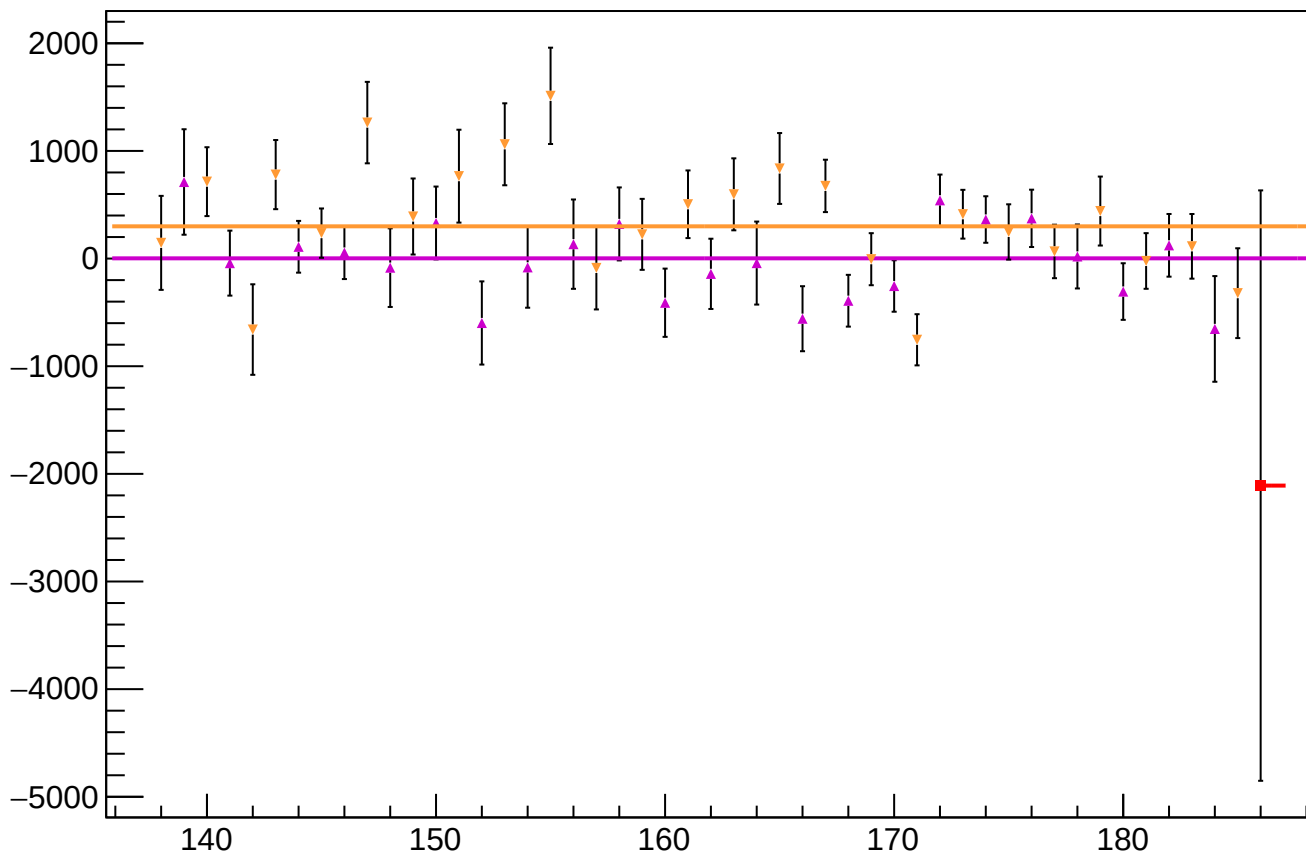
Left In: 247.917+/-0.043 χ^2/NDF :1410847.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 249.351+/-0.030 χ^2/NDF : 3531692.5/48

- sign 248.725+/-0.043 χ^2/NDF : 1917068.2/23

asym_sam_1526_avg_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 299.562 $\pm$ 60.860 χ^2 /NDF: 62.5/24

Right Out: -2109.016 $\pm$ 2742.402 χ^2 /NDF: 0.0/0

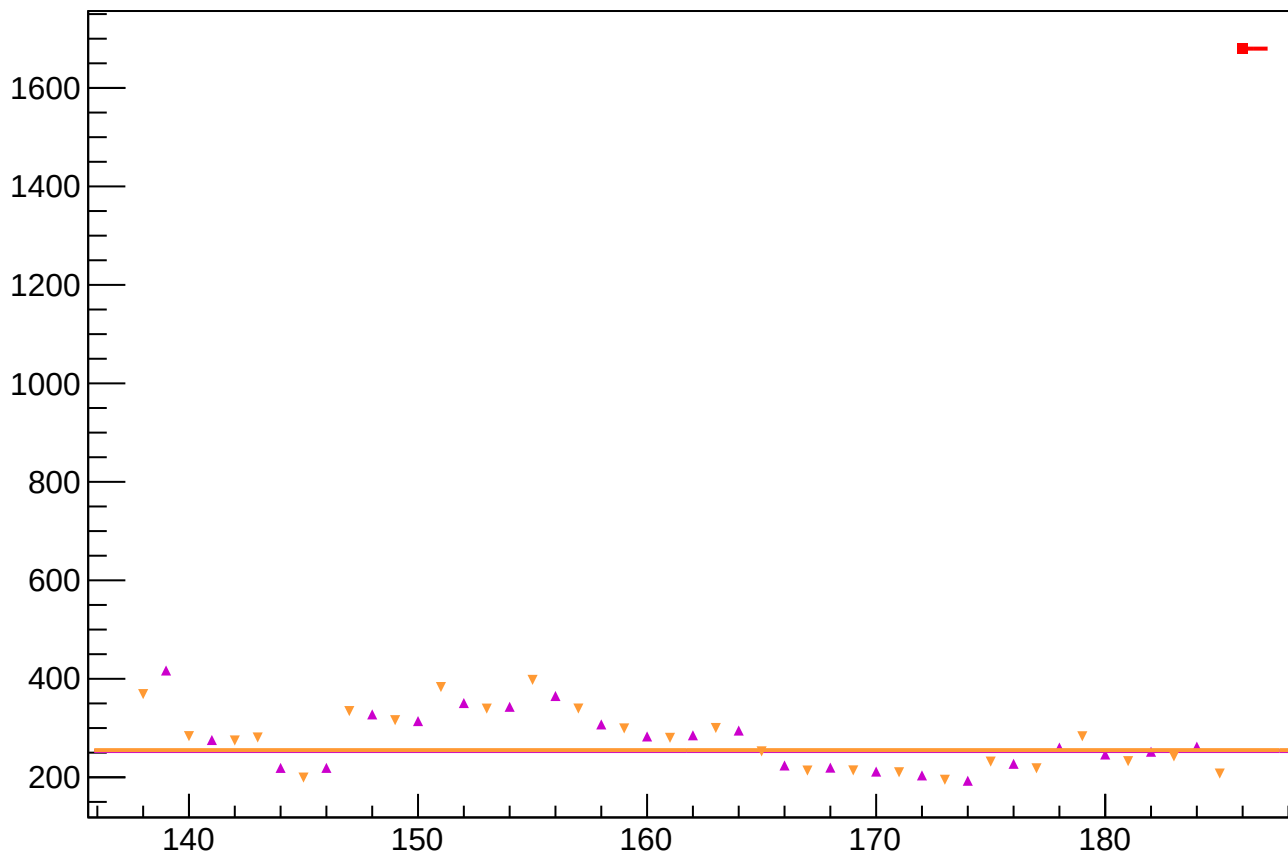
Left In: 2.185 $\pm$ 62.005 χ^2 /NDF: 29.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 153.078 $\pm$ 43.428 χ^2 /NDF: 104.0/48

- sign 1.106 $\pm$ 61.989 χ^2 /NDF: 29.8/23

asym_sam_1526_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 1679.837+/-1.939 χ^2/NDF : 0.0/0

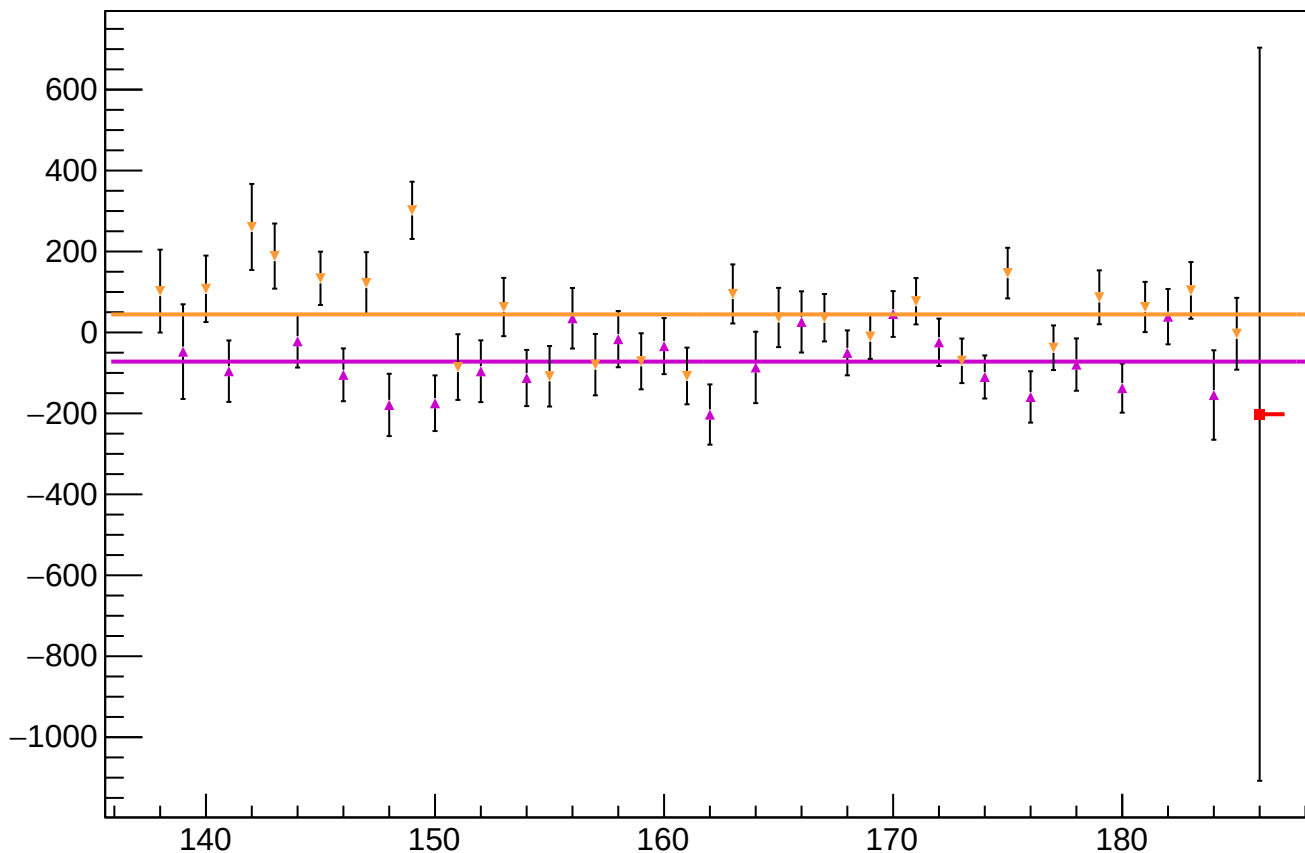
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 254.586+/-0.031 χ^2/NDF : 3424936.9/48

- sign 254.016+/-0.044 χ^2/NDF : 1882565.6/23

reg_asym_sam_3726_avg_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 44.602 $\pm$ 13.824 χ^2 /NDF: 53.9/24

Right Out: -202.060 $\pm$ 905.673 χ^2 /NDF: 0.0/0

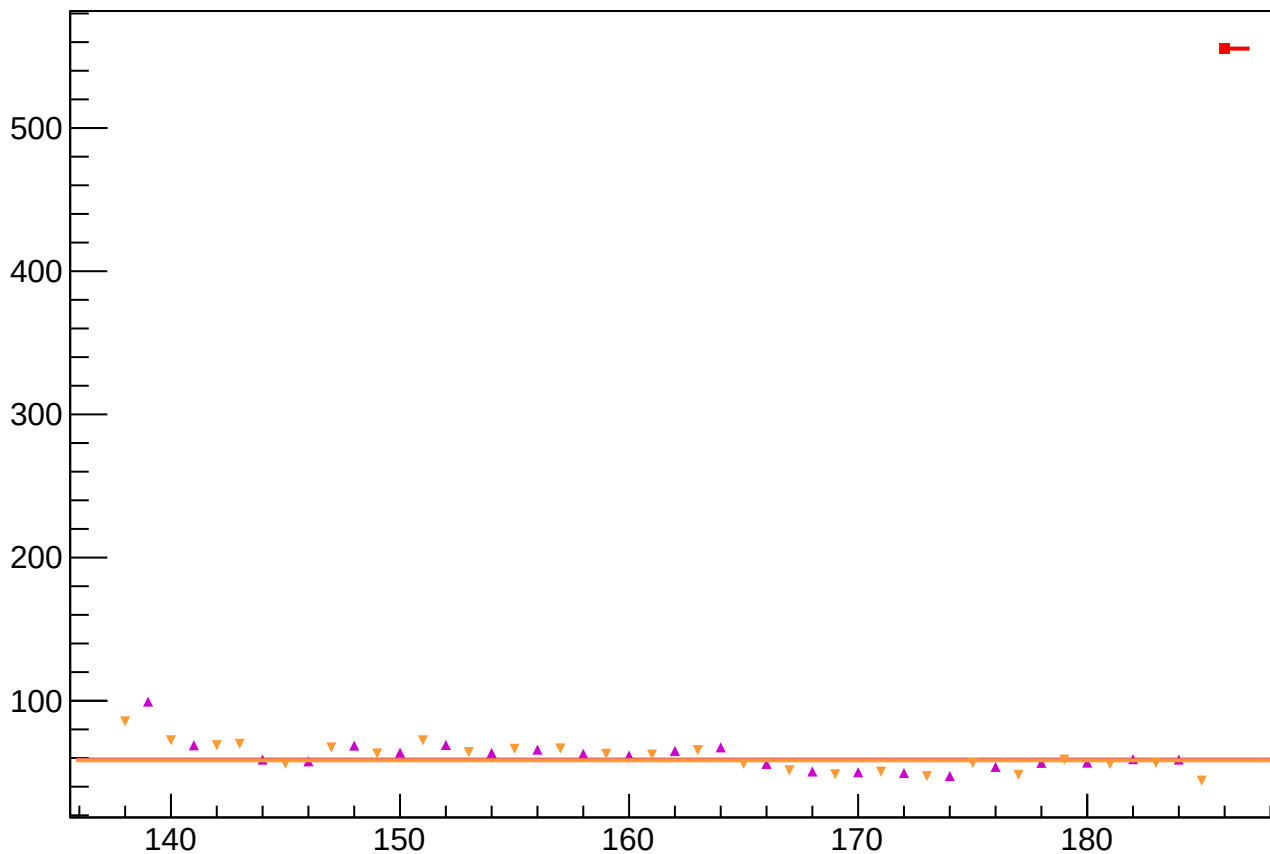
Left In: -72.037 $\pm$ 14.296 χ^2 /NDF: 25.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -11.783 $\pm$ 9.937 χ^2 /NDF: 113.7/48

- sign -72.069 $\pm$ 14.295 χ^2 /NDF: 25.3/23

reg_asym_sam_3726_avg_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 555.480 $\pm$ 0.640 χ^2 /NDF: 0.0/0

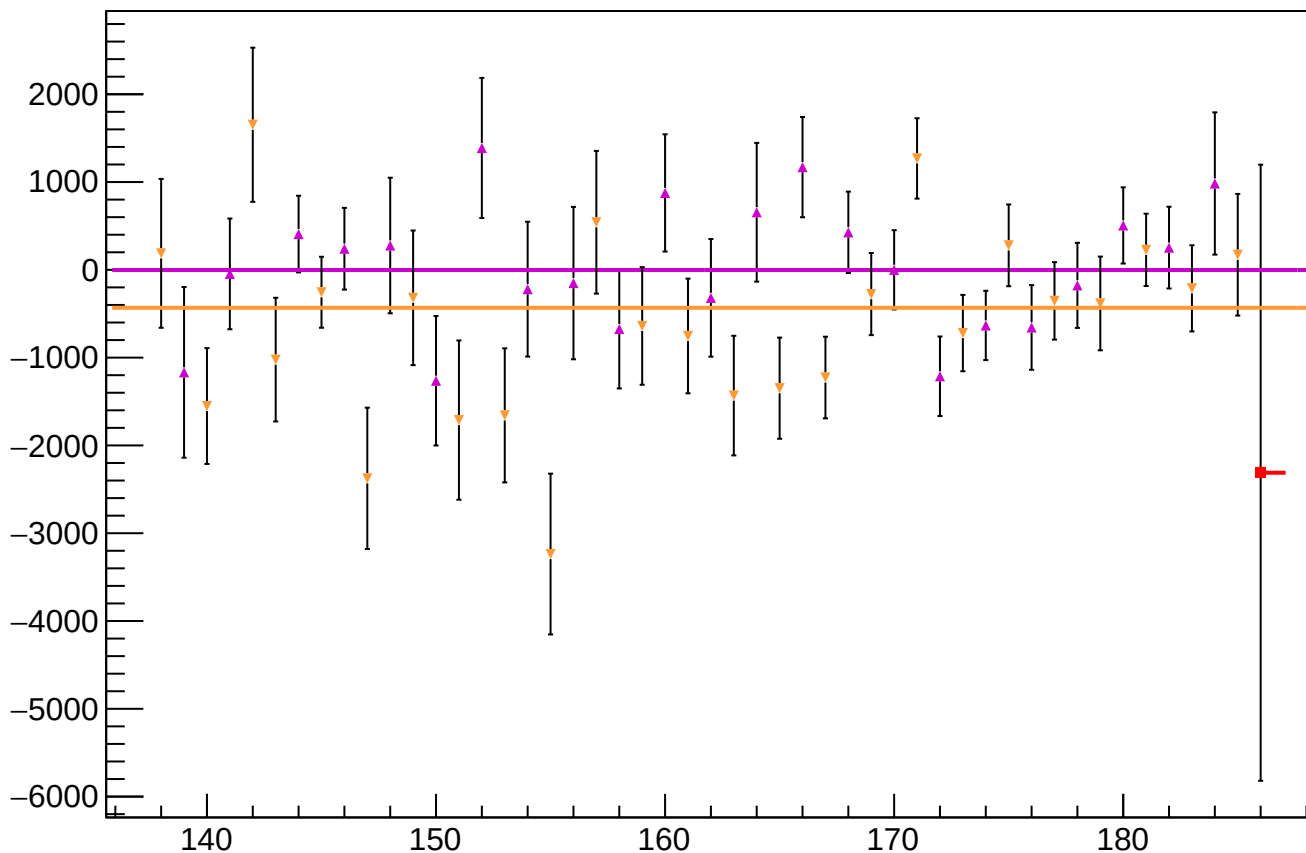
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 58.684 $\pm$ 0.007 χ^2 /NDF: 2072755.3/48

- sign 58.963 $\pm$ 0.010 χ^2 /NDF: 1281185.8/23

asym_sam_3726_avg_correction_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -432.330 ± 114.408 χ^2/NDF : 59.4/24

Right Out: -2310.998 ± 3509.061 χ^2/NDF : 0.0/0

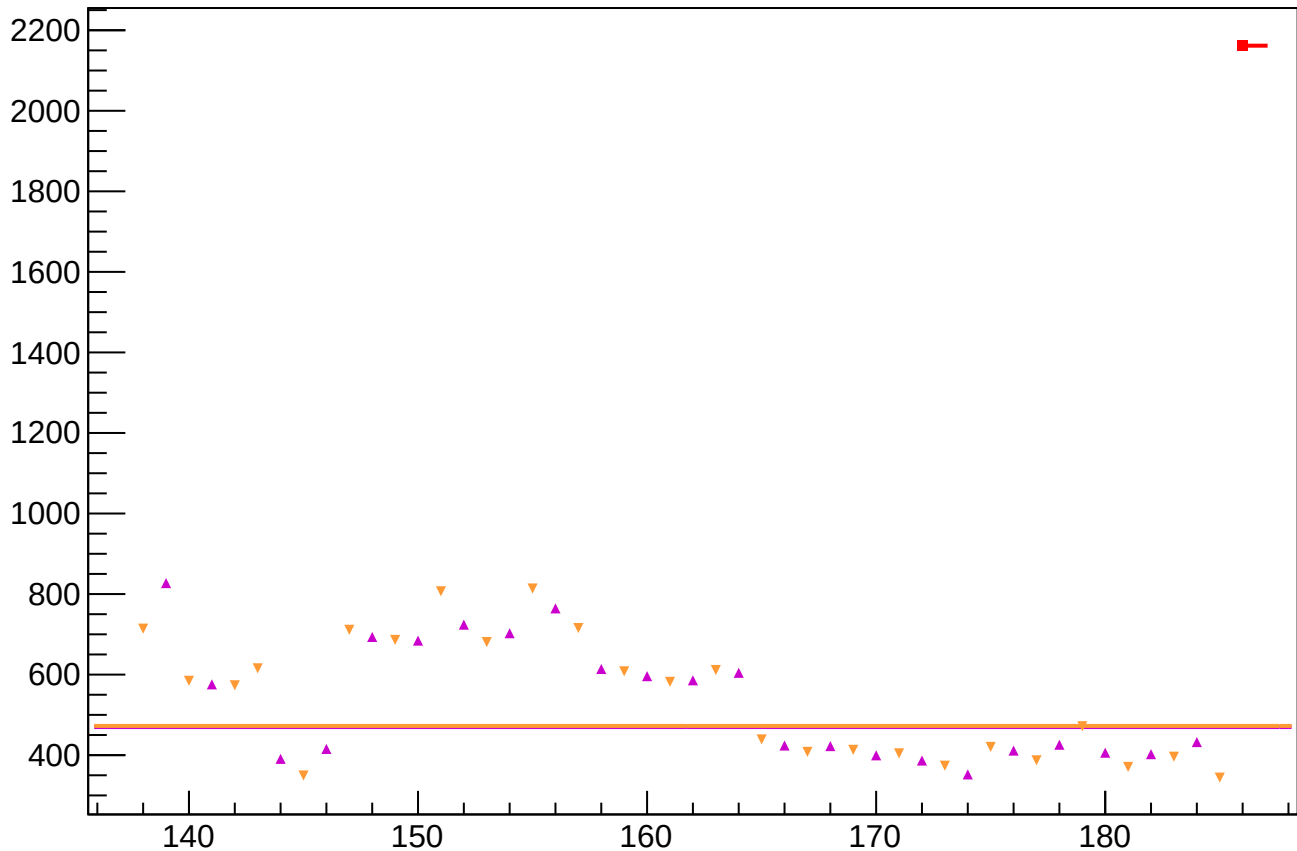
Left In: -1.825 ± 116.459 χ^2/NDF : 32.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -222.031 ± 81.592 χ^2/NDF : 99.0/48

- sign -4.366 ± 116.395 χ^2/NDF : 32.7/23

asym_sam_3726_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 472.569+/-0.081 χ^2/NDF : 2508168.9/24

Right Out: 2161.707+/-2.481 χ^2/NDF : 0.0/0

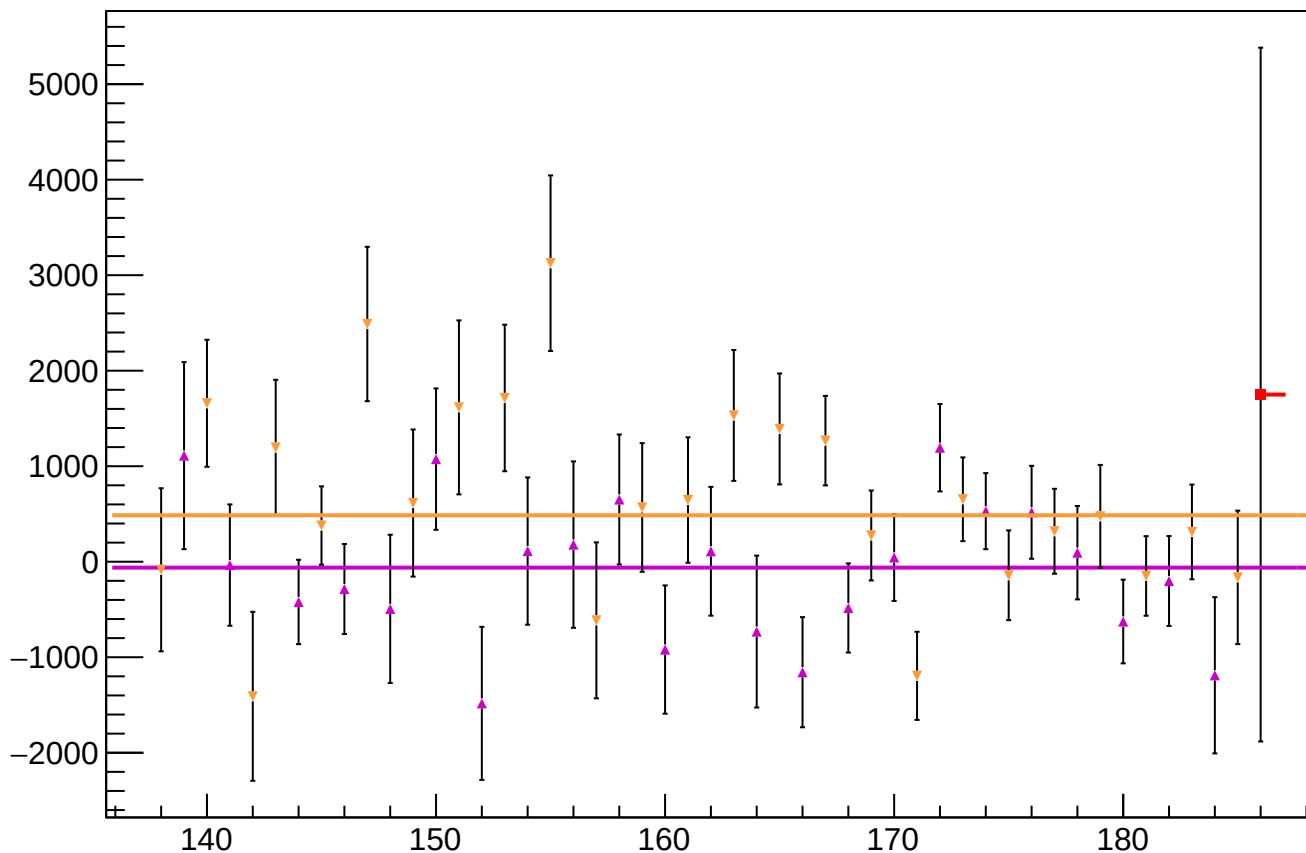
Left In: 469.761+/-0.082 χ^2/NDF : 2116885.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 472.104+/-0.058 χ^2/NDF : 5089576.0/48

- sign 471.623+/-0.082 χ^2/NDF : 2581339.8/23

asym_sam_3726_avg_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: 1750.016 $\pm$ 3632.106 χ^2 /NDF: 0.0/0

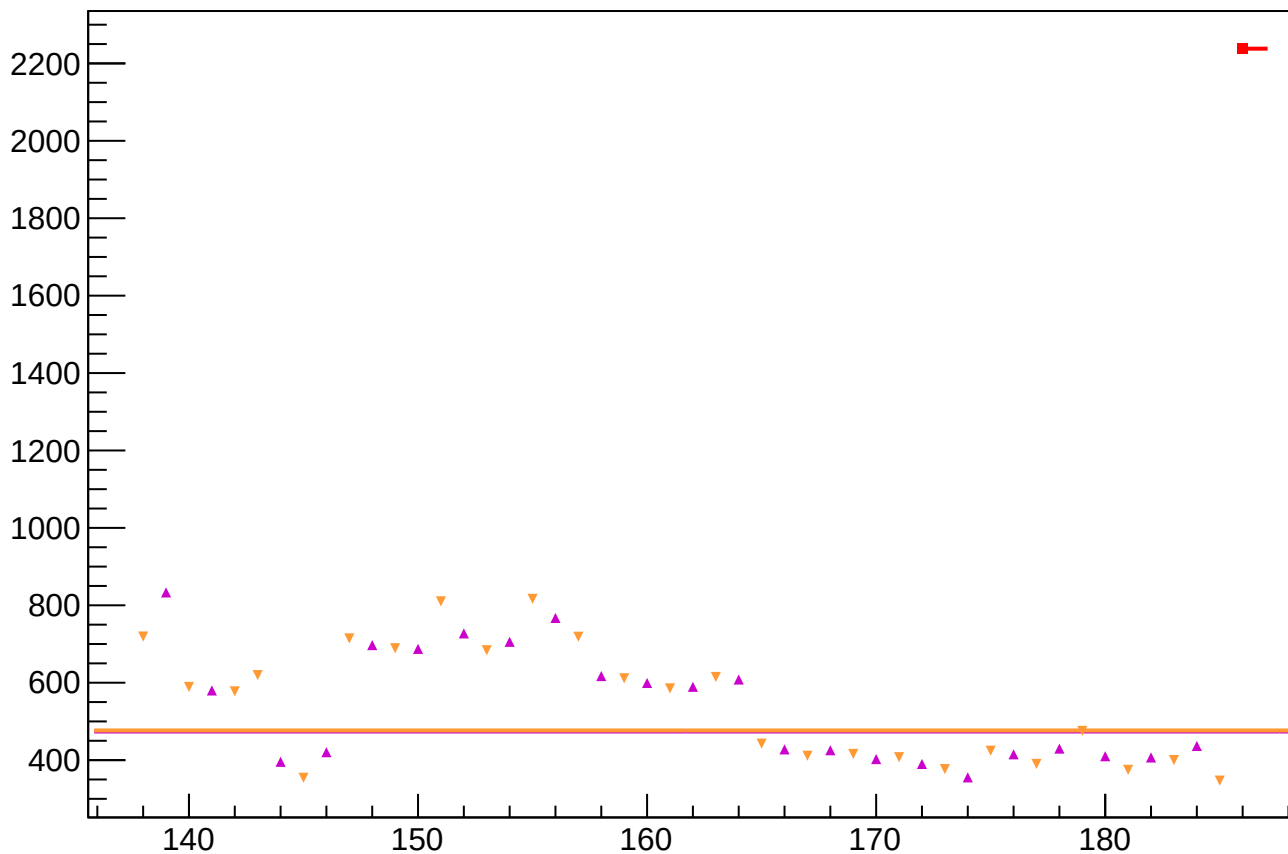
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 218.175 $\pm$ 82.274 χ^2 /NDF: 98.5/48

- sign -59.882 $\pm$ 117.387 χ^2 /NDF: 31.4/23

asym_sam_3726_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 476.690+/-0.082 χ^2/NDF : 2472737.6/24

Right Out: 2238.098+/-2.568 χ^2/NDF : 0.0/0

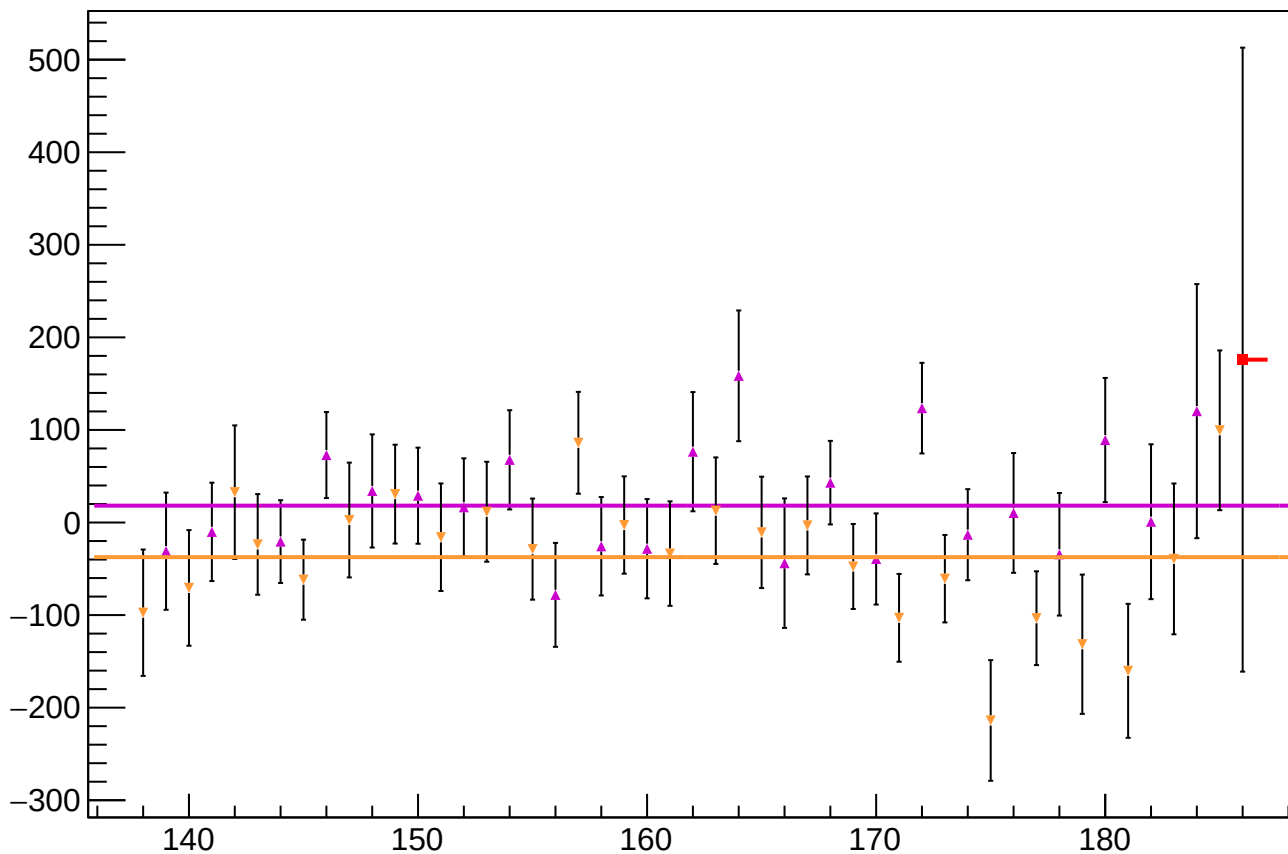
Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 476.266+/-0.058 χ^2/NDF : 5031223.1/48

- sign 475.826+/-0.083 χ^2/NDF : 2558430.4/23

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -37.413+/-11.390 χ^2/NDF : 30.5/24

Right Out: 175.929+/-337.026 χ^2/NDF : 0.0/0

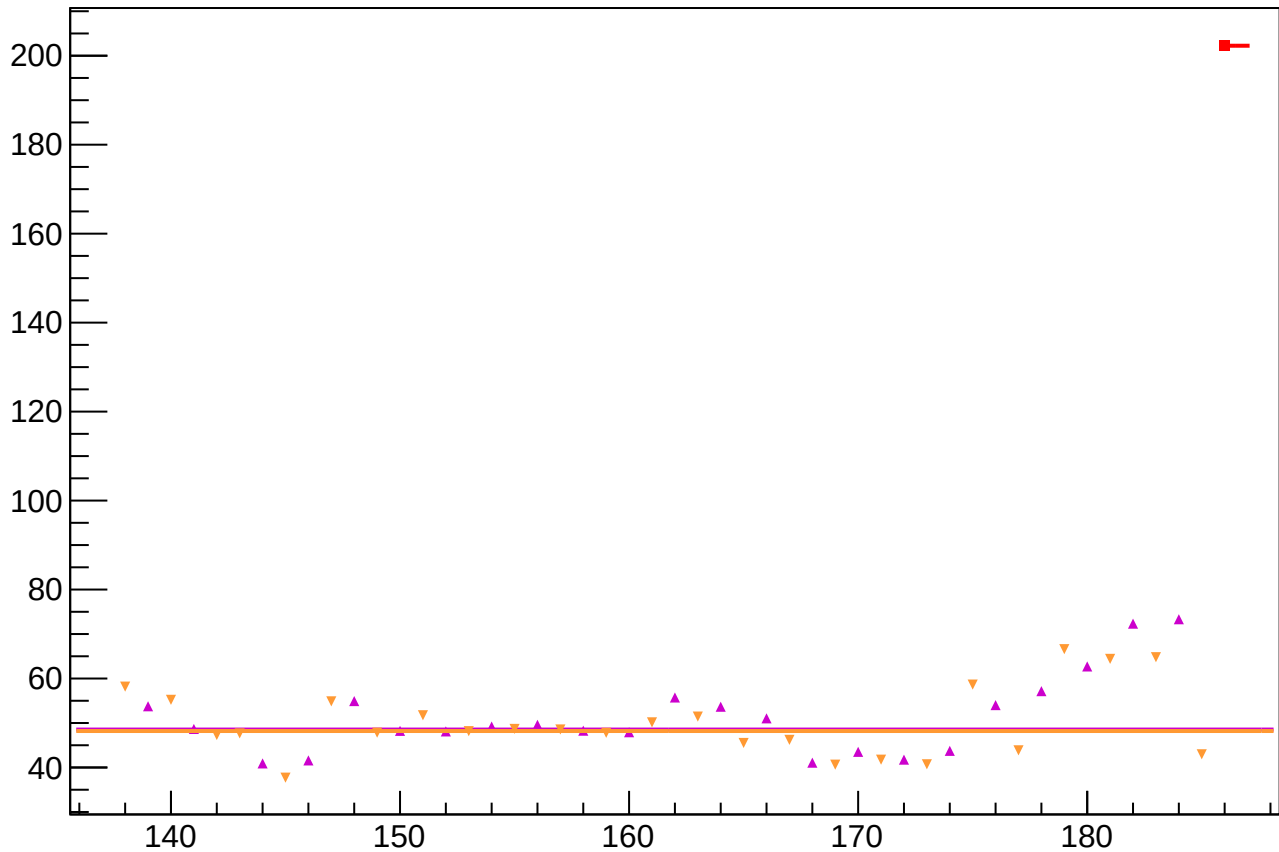
Left In: 18.210+/-11.788 χ^2/NDF : 23.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -10.446+/-8.188 χ^2/NDF : 65.3/48

- sign 18.403+/-11.781 χ^2/NDF : 23.2/23

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 48.200+/-0.008 χ^2/NDF : 750196.2/24

Right Out: 202.245+/-0.238 χ^2/NDF : 0.0/0

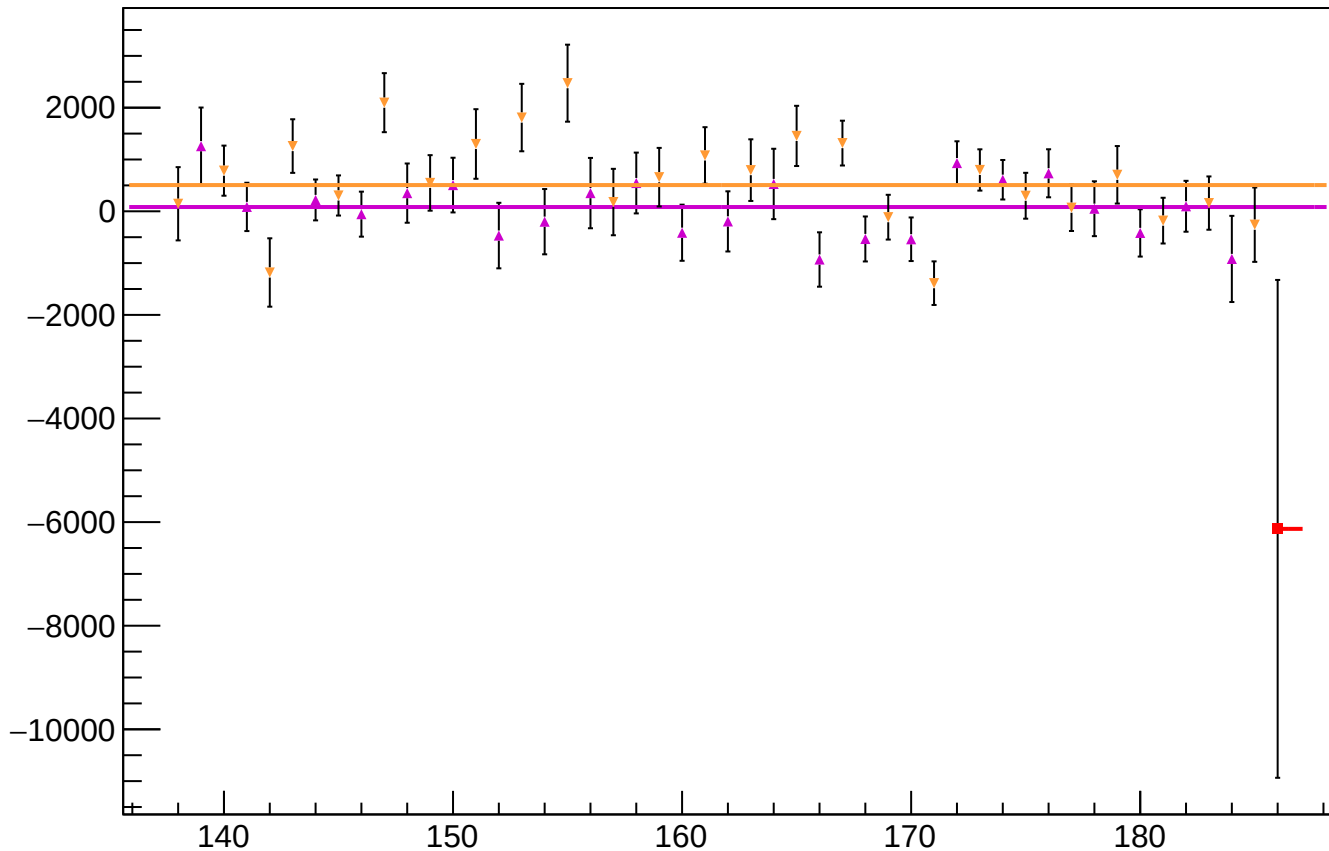
Left In: 48.527+/-0.008 χ^2/NDF : 675340.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 48.448+/-0.006 χ^2/NDF : 1843060.1/48

- sign 48.715+/-0.008 χ^2/NDF : 1090889.0/23

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 506.205 $\pm$ 103.468 χ^2 /NDF:65.7/24

Right Out: -6130.555 $\pm$ 4805.433 χ^2 /NDF: 0.0/0

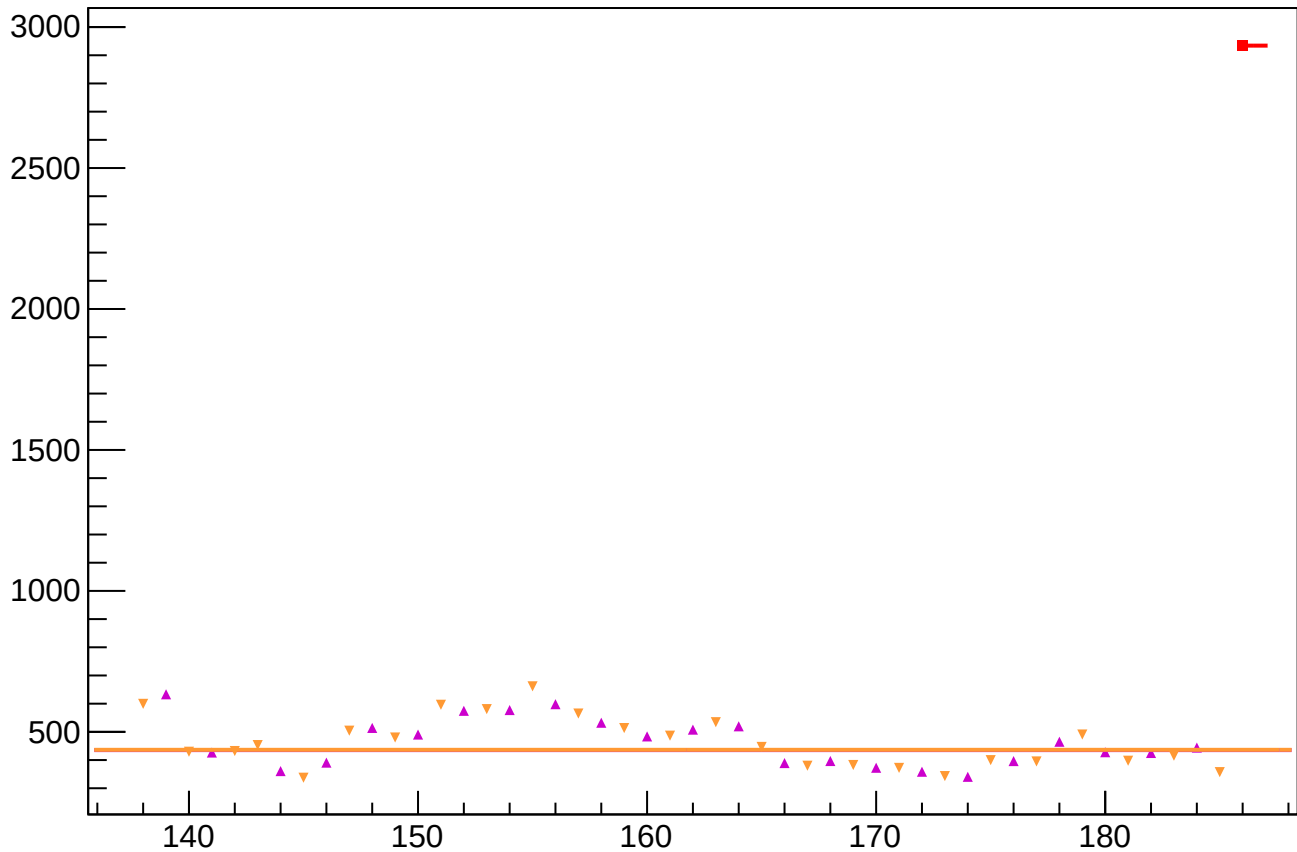
Left In: 82.421 $\pm$ 105.935 χ^2 /NDF:25.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 297.781 $\pm$ 74.011 χ^2 /NDF: 101.0/48

- sign 79.403 $\pm$ 105.909 χ^2 /NDF: 27.0/23

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 436.301+/-0.073 χ^2/NDF : 1179348.4/24

Right Out: 2934.195+/-3.398 χ^2/NDF : 0.0/0

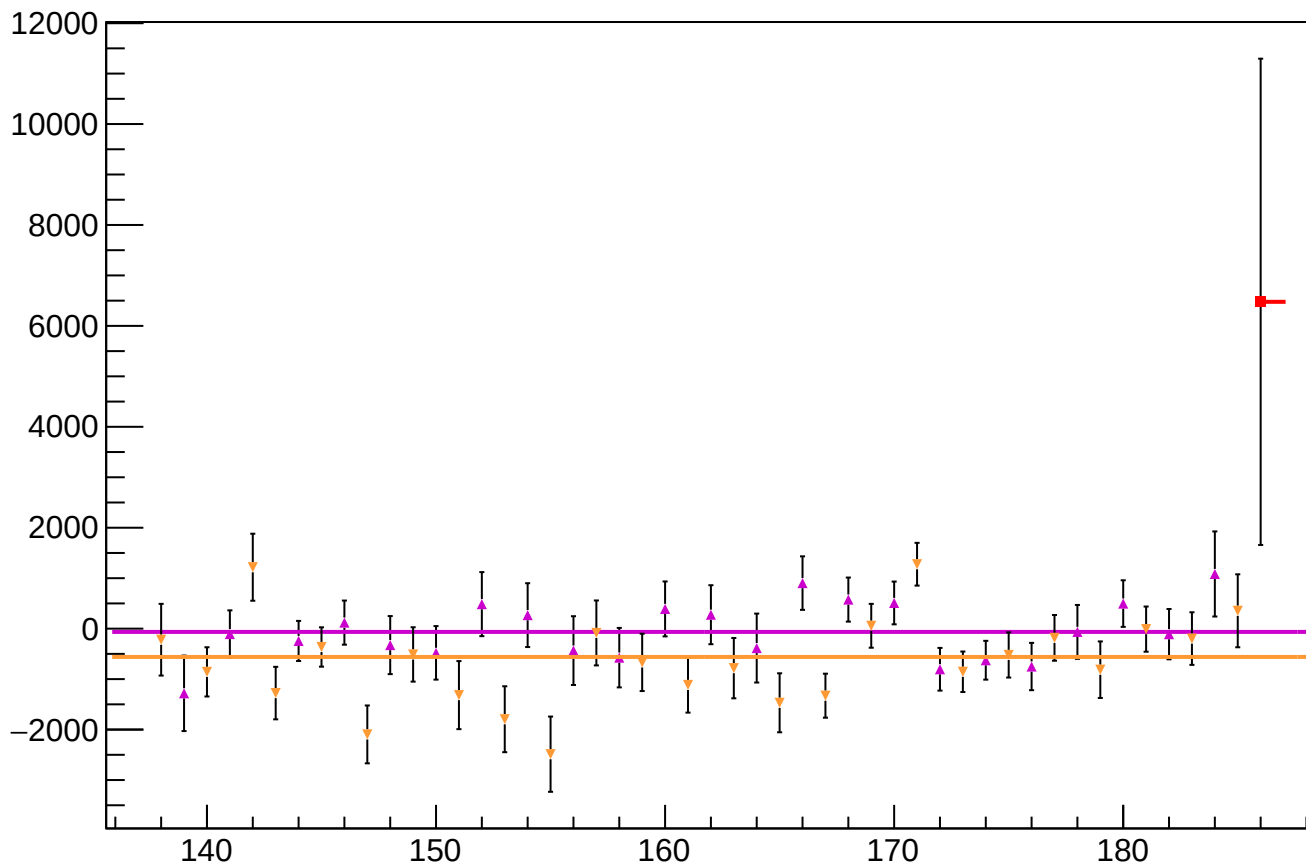
Left In: 435.275+/-0.075 χ^2/NDF : 1027713.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 436.393+/-0.052 χ^2/NDF : 2747643.2/48

- sign 436.489+/-0.075 χ^2/NDF : 1568291.5/23

asym_sam_15_48_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -560.684 $\pm$ 104.207 χ^2 /NDF:61.8/24

Right Out: 6476.893 $\pm$ 4818.554 χ^2 /NDF: 0.0/0

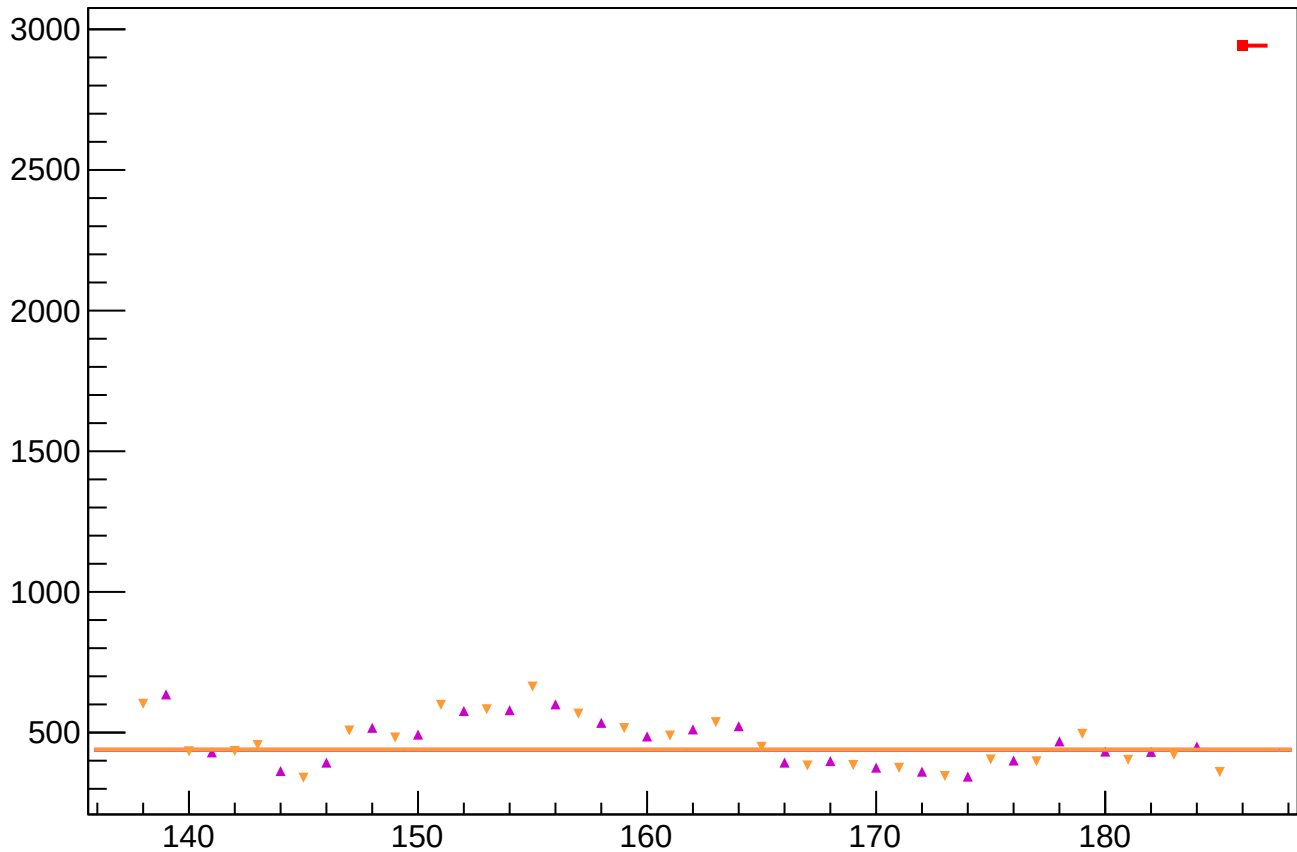
Left In: -64.594 $\pm$ 106.708 χ^2 /NDF:25.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -316.893 $\pm$ 74.545 χ^2 /NDF: 100.0/48

- sign -61.388 $\pm$ 106.681 χ^2 /NDF: 27.0/23

asym_sam_15_48_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 439.527+/-0.074 χ^2/NDF :1163352.8/24

Right Out: 2942.010+/-3.407 χ^2/NDF : 0.0/0

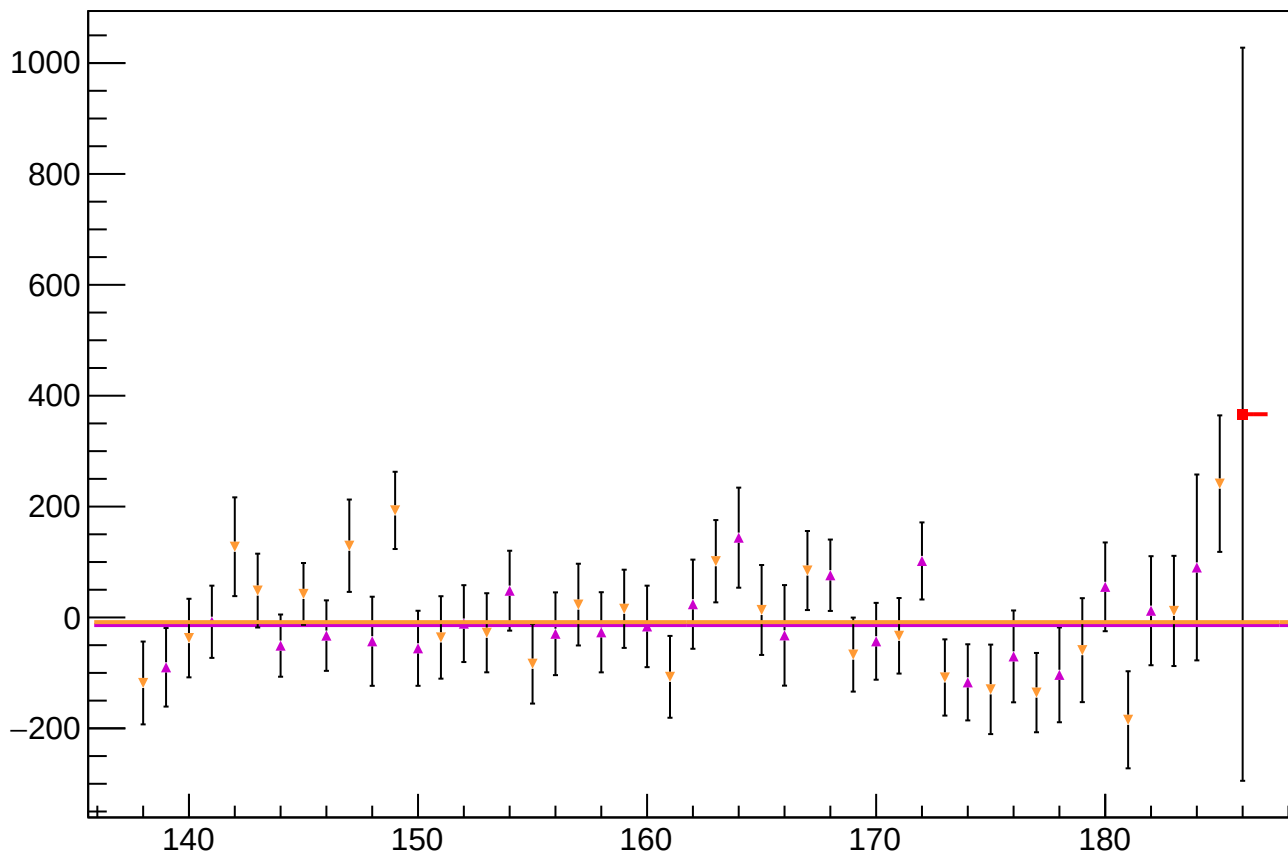
Left In: 438.548+/-0.075 χ^2/NDF :1013071.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 439.648+/-0.053 χ^2/NDF : 2716021.9/48

- sign 439.775+/-0.075 χ^2/NDF : 1552663.5/23

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -8.416 $\pm$ 14.935 χ^2 /NDF: 41.6/24

Right Out: 366.581 $\pm$ 661.204 χ^2 /NDF: 0.0/0

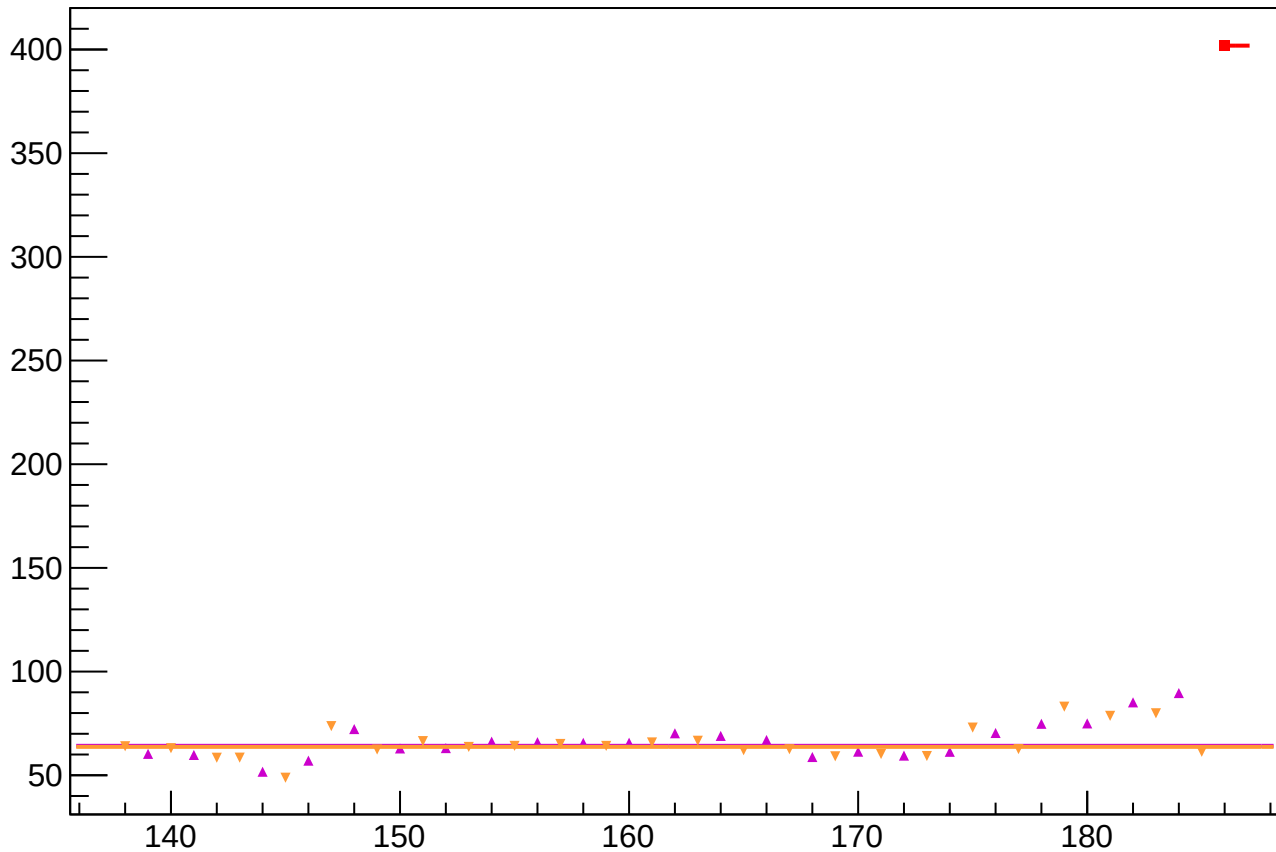
Left In: -13.723 $\pm$ 15.478 χ^2 /NDF: 16.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -10.875 $\pm$ 10.746 χ^2 /NDF: 58.2/48

- sign -13.515 $\pm$ 15.474 χ^2 /NDF: 16.6/23

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 401.865 $\pm$ 0.468 χ^2 /NDF: 0.0/0

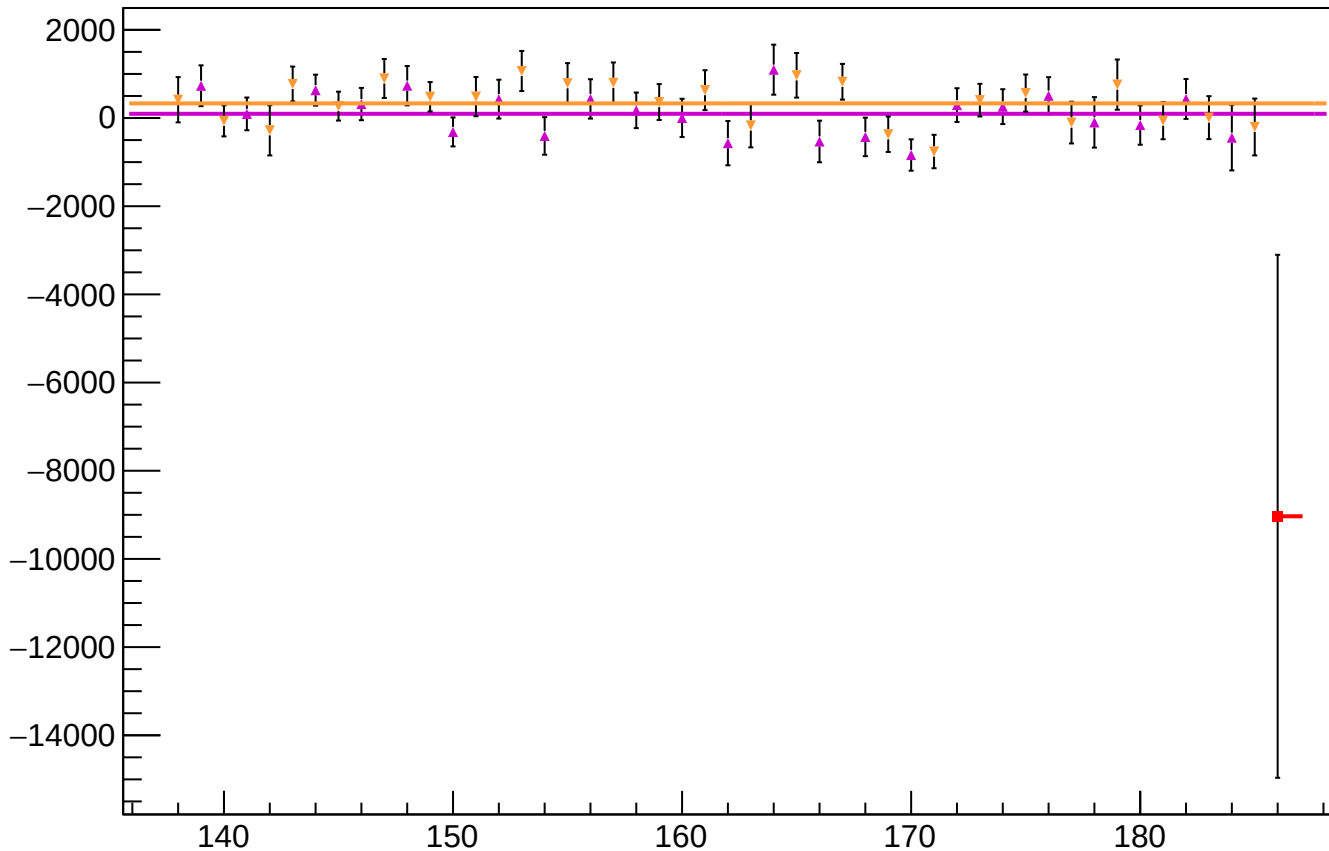
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 64.023 $\pm$ 0.008 χ^2 /NDF: 1401436.4/48

- sign 64.374 $\pm$ 0.011 χ^2 /NDF: 951008.7/23

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: -9032.937 ± 5931.328 χ^2/NDF : 0.0/0

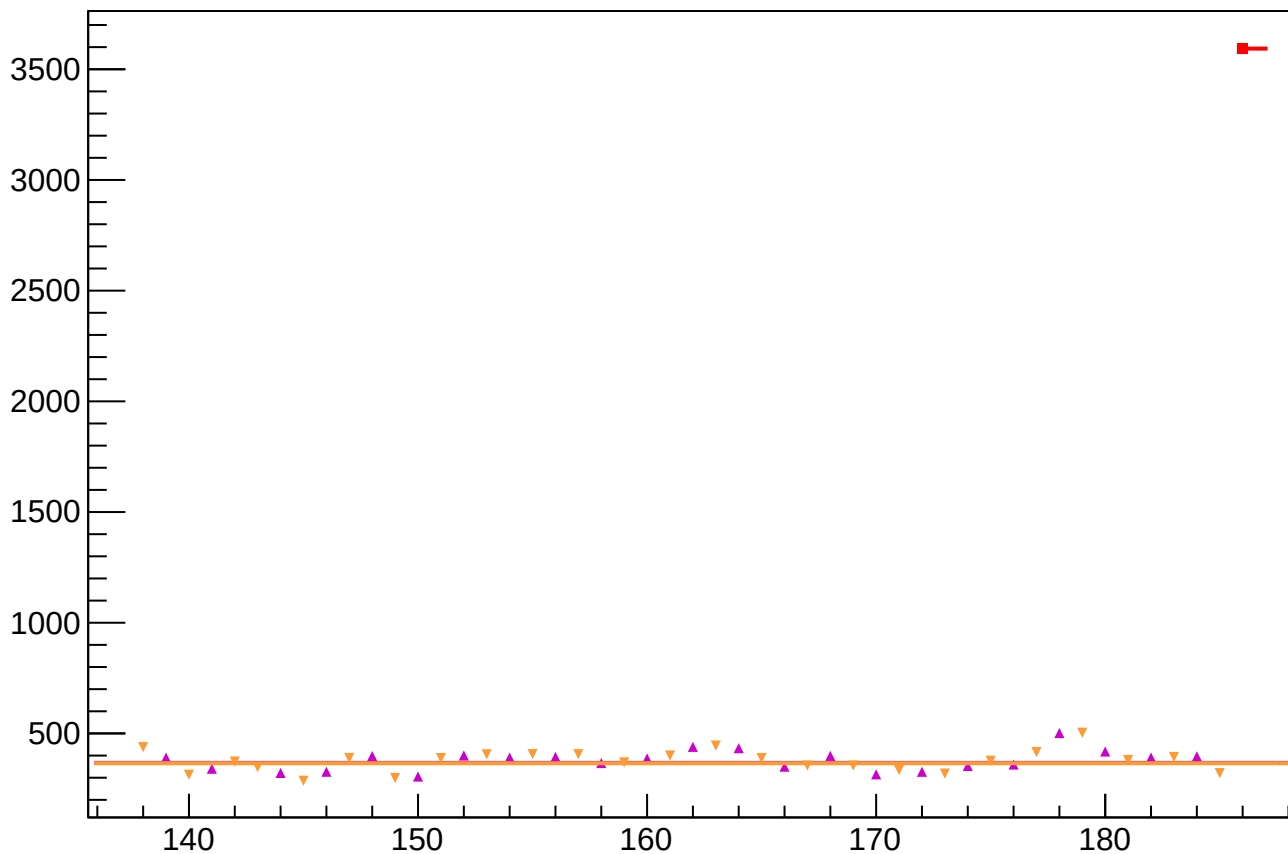
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: 216.310 ± 61.752 χ^2/NDF : 64.6/48

- sign 93.871 ± 88.646 χ^2/NDF : 31.1/23

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 365.355+/-0.061 χ^2/NDF : 618453.7/24

Right Out: 3593.341+/-4.194 χ^2/NDF : 0.0/0

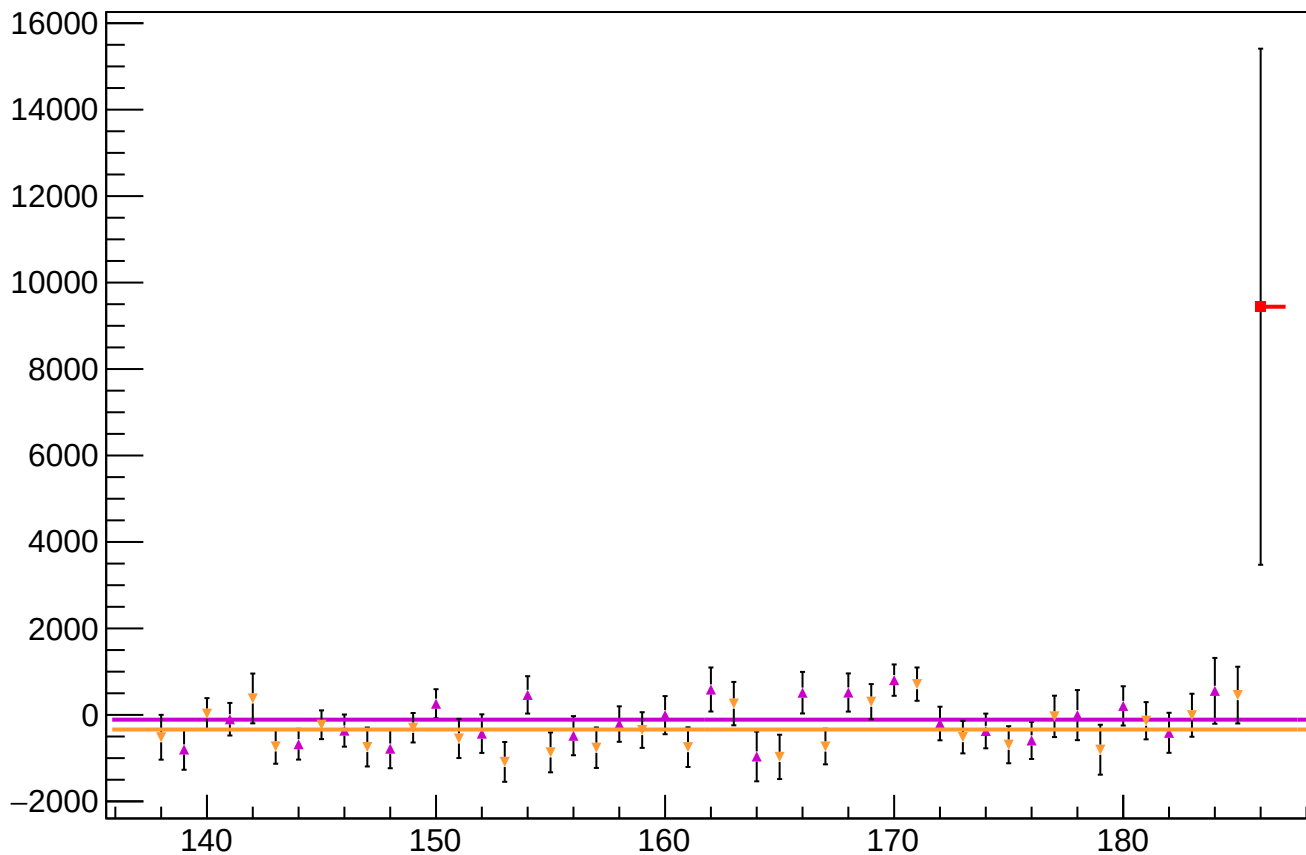
Left In: 366.925+/-0.063 χ^2/NDF : 478082.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 366.467+/-0.044 χ^2/NDF : 1688880.0/48

- sign 367.645+/-0.063 χ^2/NDF : 1069739.2/23

asym_sam_37_48_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -338.528 $\pm$ 87.450 χ^2 /NDF:28.2/24

Right Out: 9441.407 $\pm$ 5969.101 χ^2 /NDF: 0.0/0

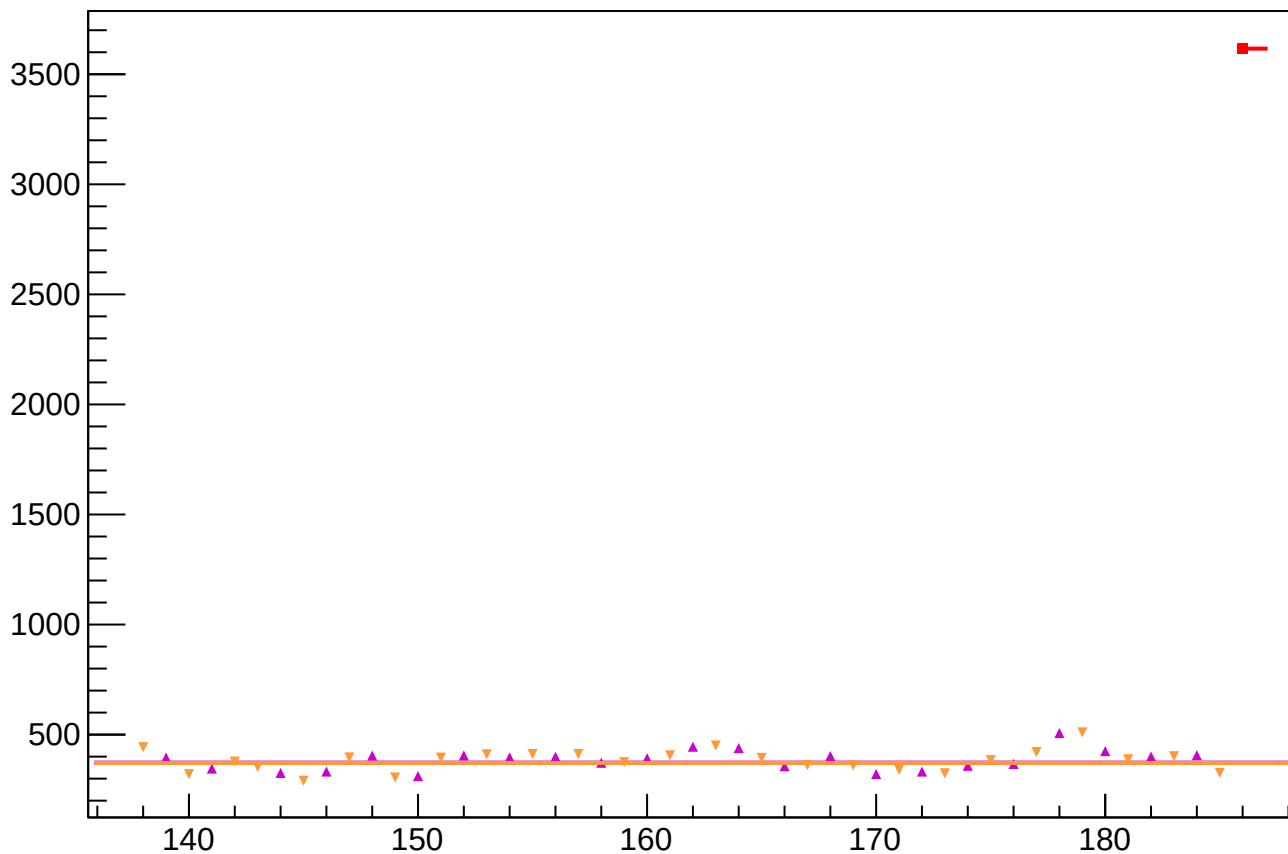
Left In: -110.341 $\pm$ 90.084 χ^2 /NDF:29.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -226.750 $\pm$ 62.744 χ^2 /NDF: 63.4/48

- sign -108.166 $\pm$ 90.073 χ^2 /NDF: 31.8/23

asym_sam_37_48_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 371.356 $\pm$ 0.062 χ^2 /NDF:604070.6/24

Right Out: 3616.538 $\pm$ 4.221 χ^2 /NDF: 0.0/0

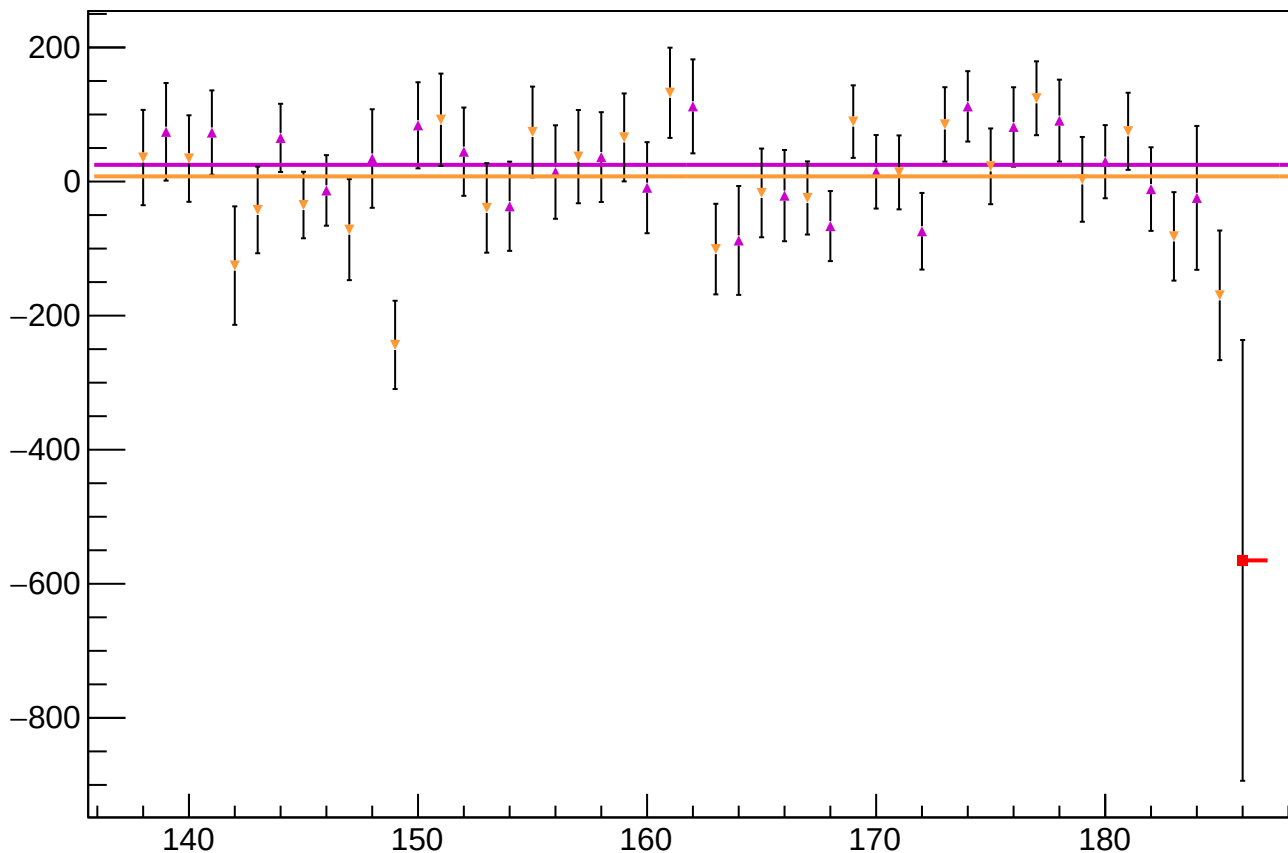
Left In: 372.938 $\pm$ 0.064 χ^2 /NDF:467340.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 372.482 $\pm$ 0.044 χ^2 /NDF: 1662524.2/48

- sign 373.676 $\pm$ 0.064 χ^2 /NDF: 1057770.3/23

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -565.110 ± 328.739 χ^2/NDF : 0.0/0

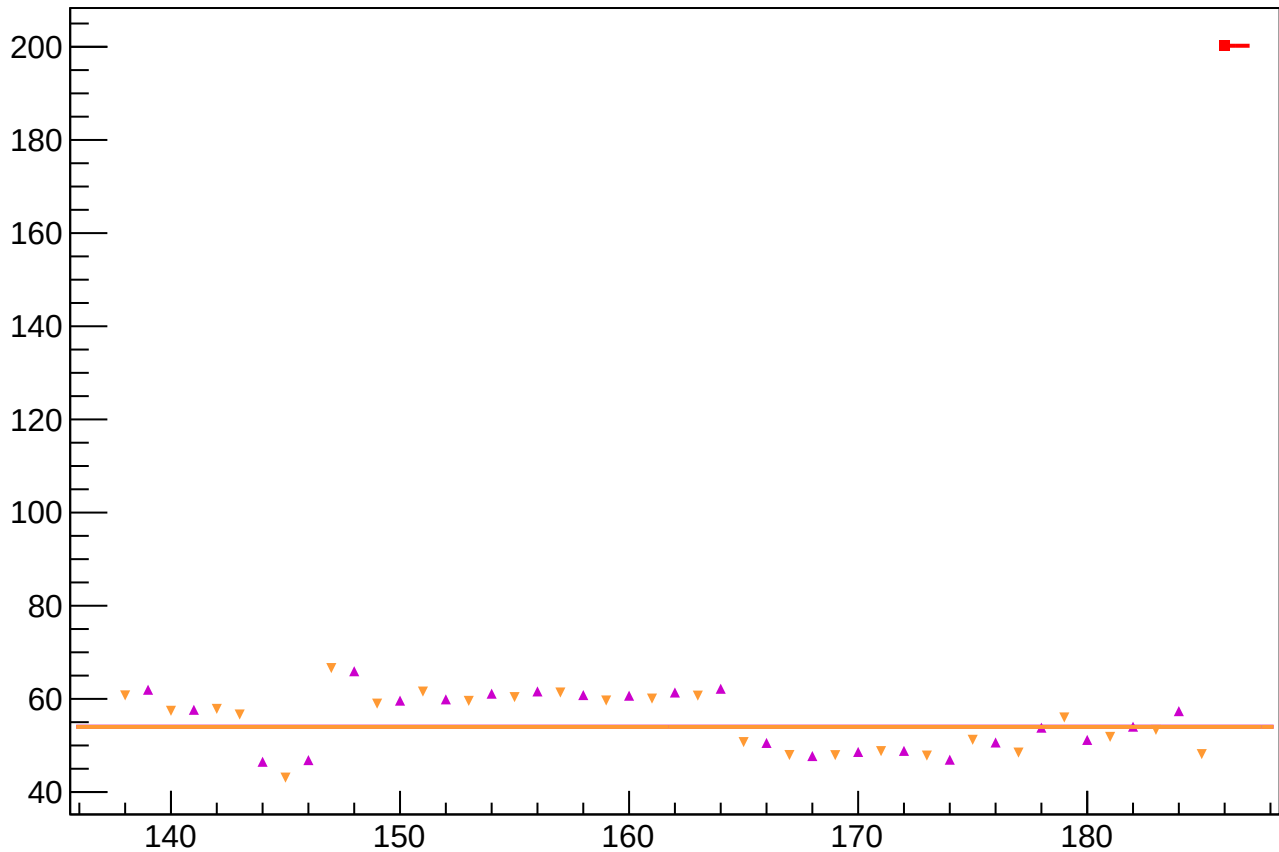
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: 15.613 ± 9.074 χ^2/NDF : 69.2/48

- sign 23.962 ± 13.019 χ^2/NDF : 23.0/23

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 53.984+/-0.009 χ^2/NDF : 458972.1/24

Right Out: 200.225+/-0.232 χ^2/NDF : 0.0/0

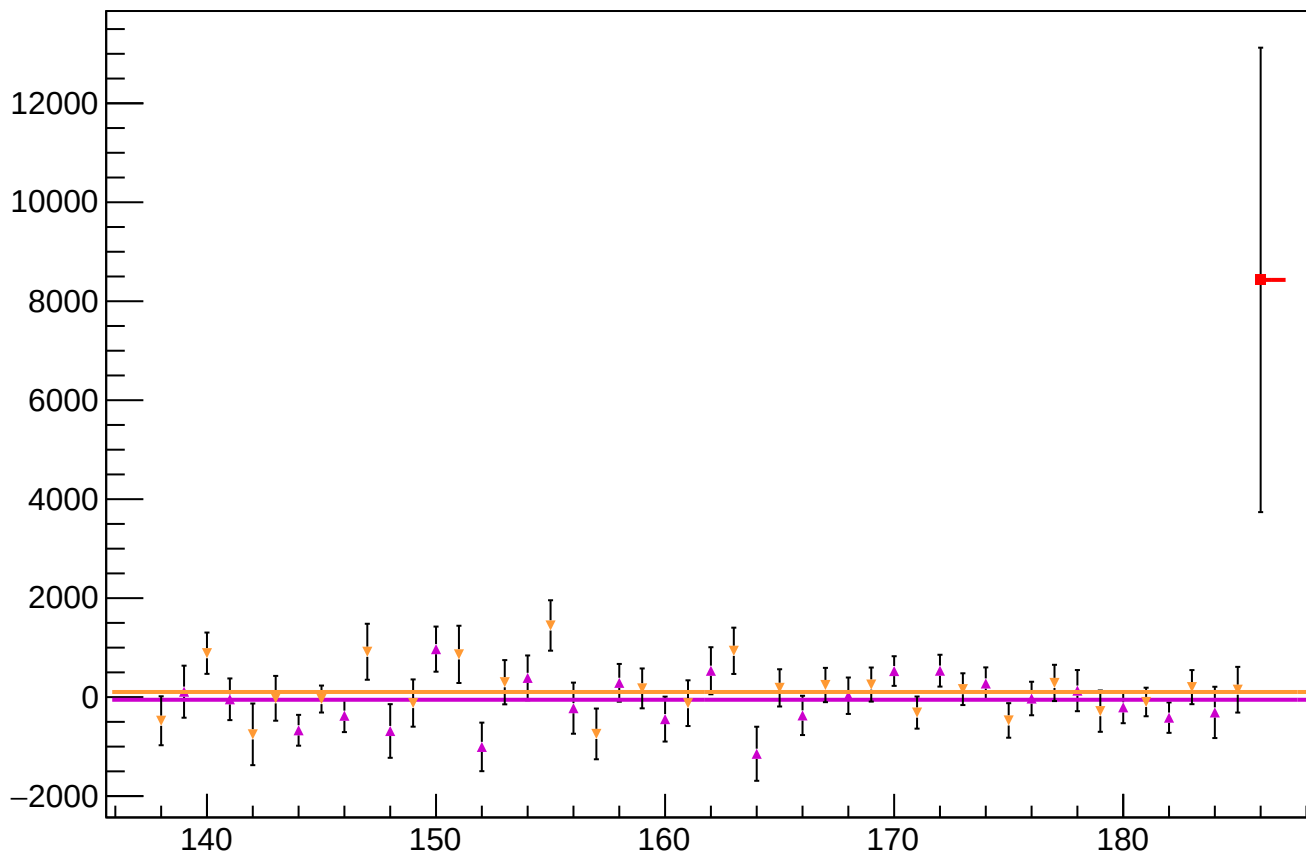
Left In: 54.028+/-0.009 χ^2/NDF : 443819.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 54.116+/-0.006 χ^2/NDF : 1298179.1/48

- sign 54.257+/-0.009 χ^2/NDF : 838753.9/23

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 103.768 $\pm$ 79.344 χ^2 /NDF:31.0/24

Right Out: 8431.254 $\pm$ 4692.802 χ^2 /NDF: 0.0/0

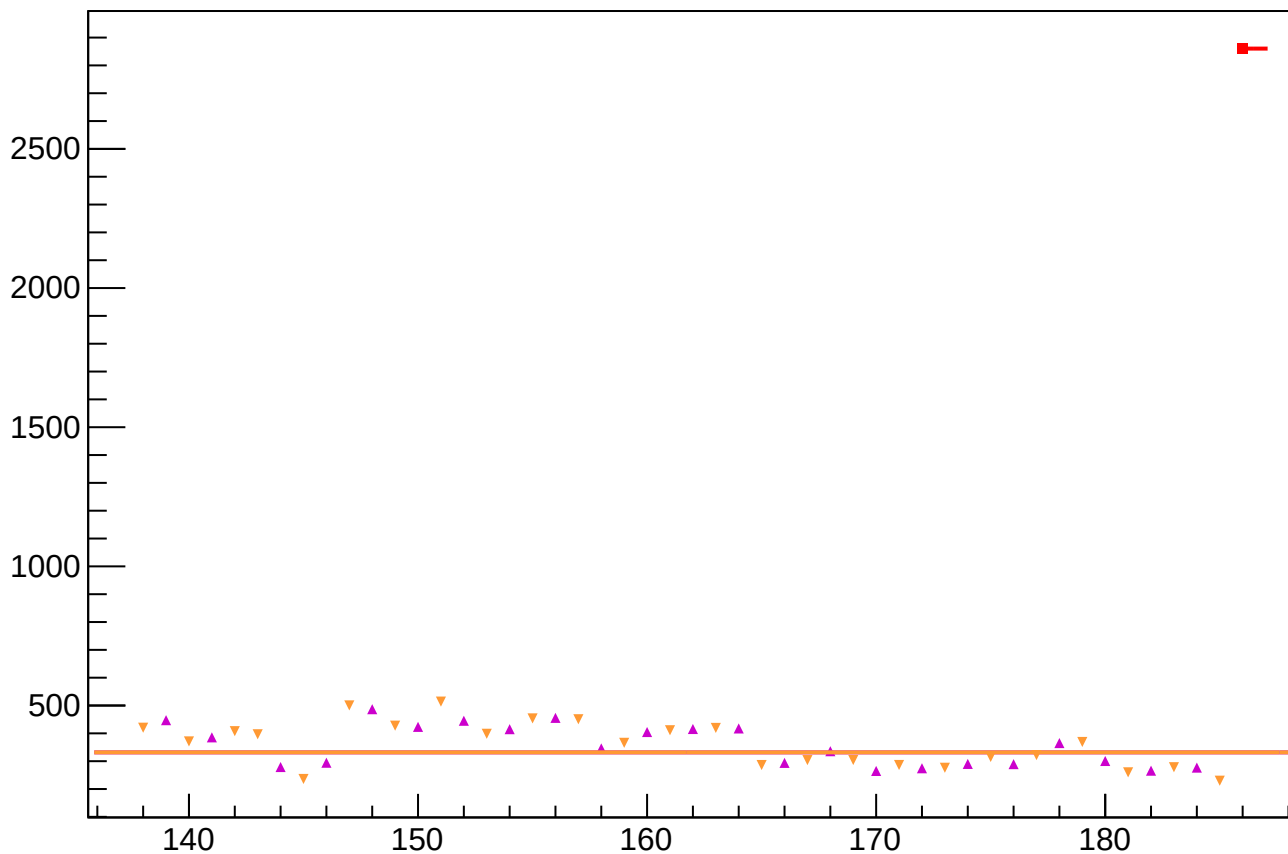
Left In: -53.493 $\pm$ 81.201 χ^2 /NDF:34.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 28.185 $\pm$ 56.746 χ^2 /NDF: 70.2/48

- sign -50.953 $\pm$ 81.189 χ^2 /NDF: 37.4/23

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 331.770+/-0.056 χ^2/NDF : 1711721.9/24

Right Out: 2860.394+/-3.318 χ^2/NDF : 0.0/0

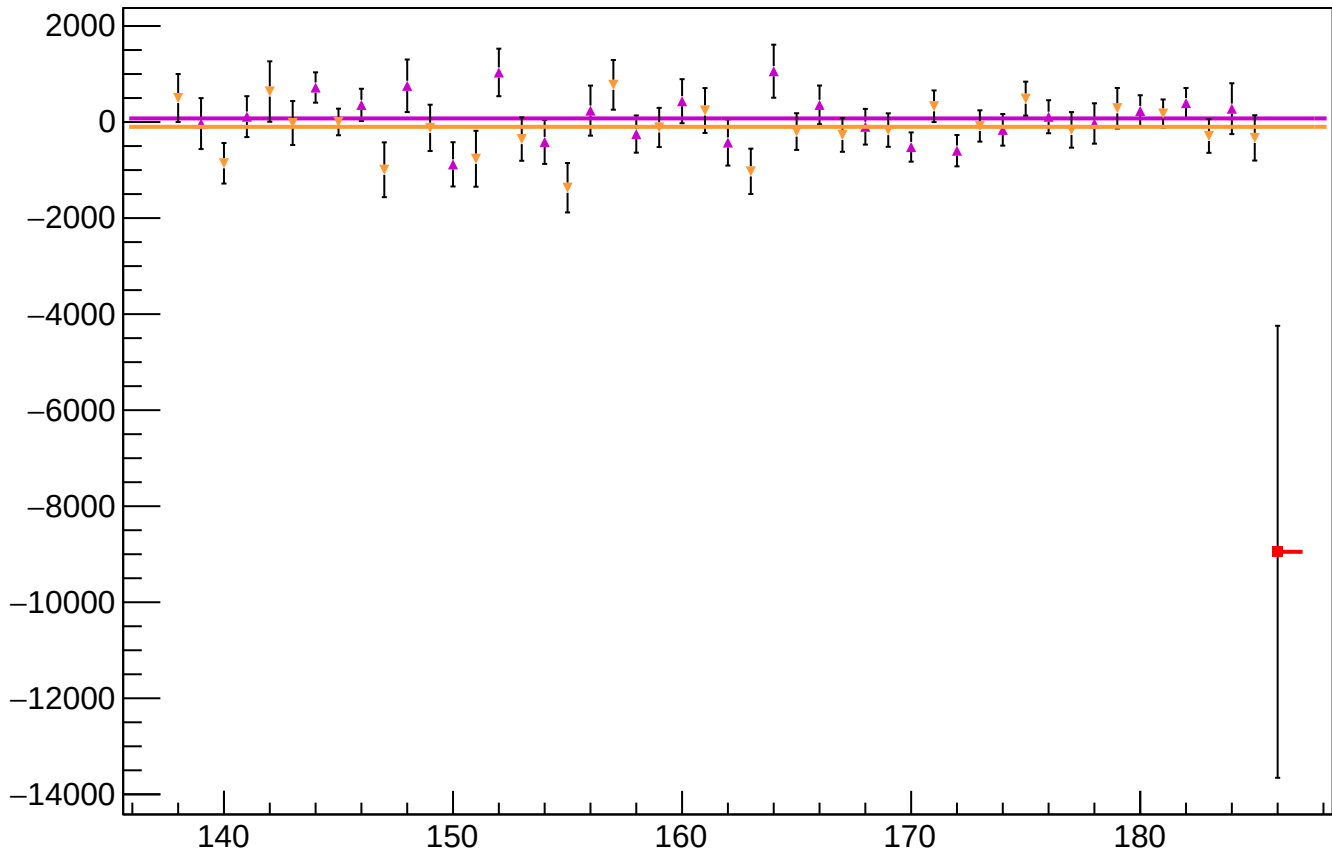
Left In: 331.666+/-0.057 χ^2/NDF : 1303192.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 332.089+/-0.040 χ^2/NDF : 3595530.3/48

- sign 332.423+/-0.057 χ^2/NDF : 1883742.4/23

asym_sam_15_26_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -99.785+/-80.428 χ^2/NDF : 30.7/24

Right Out: -8949.643+/-4706.210 χ^2/NDF : 0.0/0

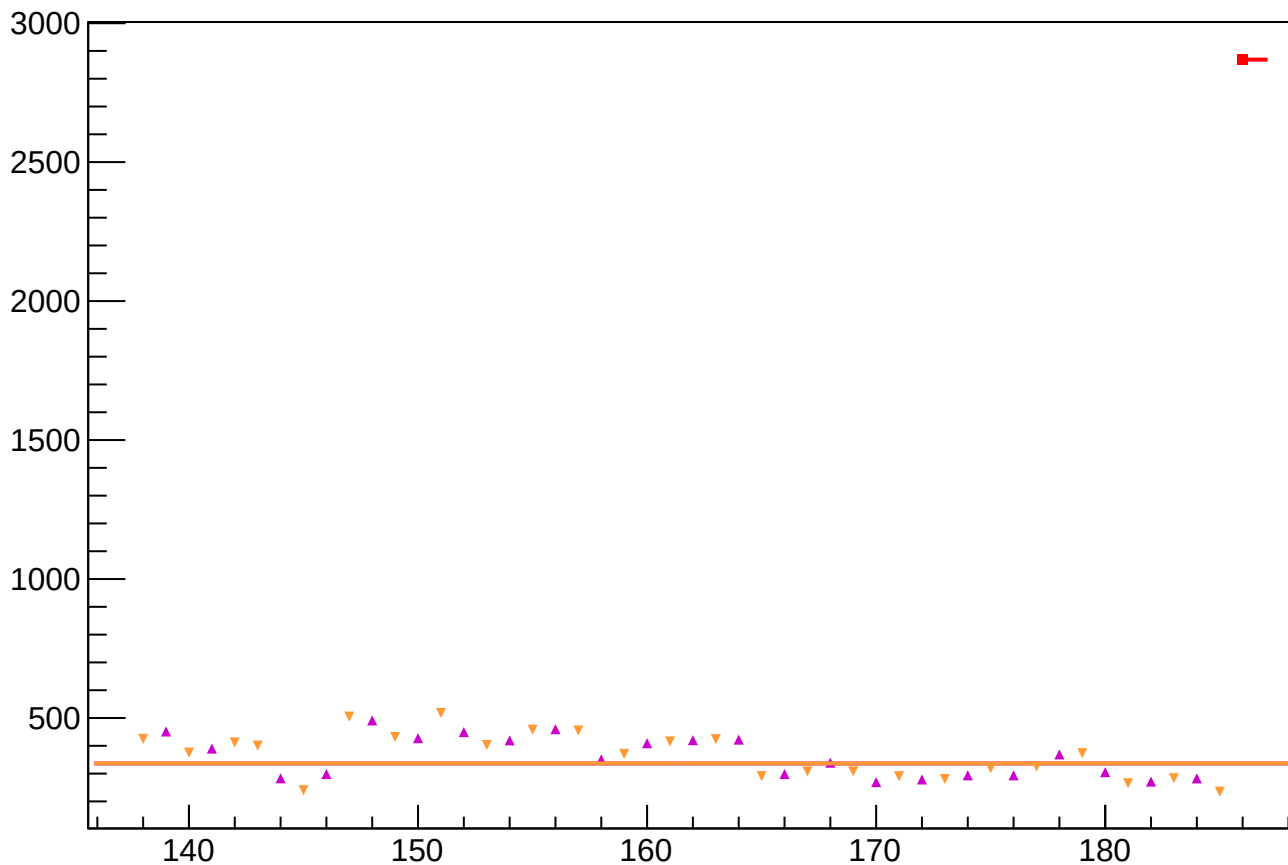
Left In: 75.579+/-82.319 χ^2/NDF : 32.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -15.475+/-57.524 χ^2/NDF : 68.7/48

- sign 72.819+/-82.306 χ^2/NDF : 35.8/23

asym_sam_15_26_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 336.557+/-0.057 χ^2/NDF : 1665919.4/24

Right Out: 2868.780+/-3.328 χ^2/NDF : 0.0/0

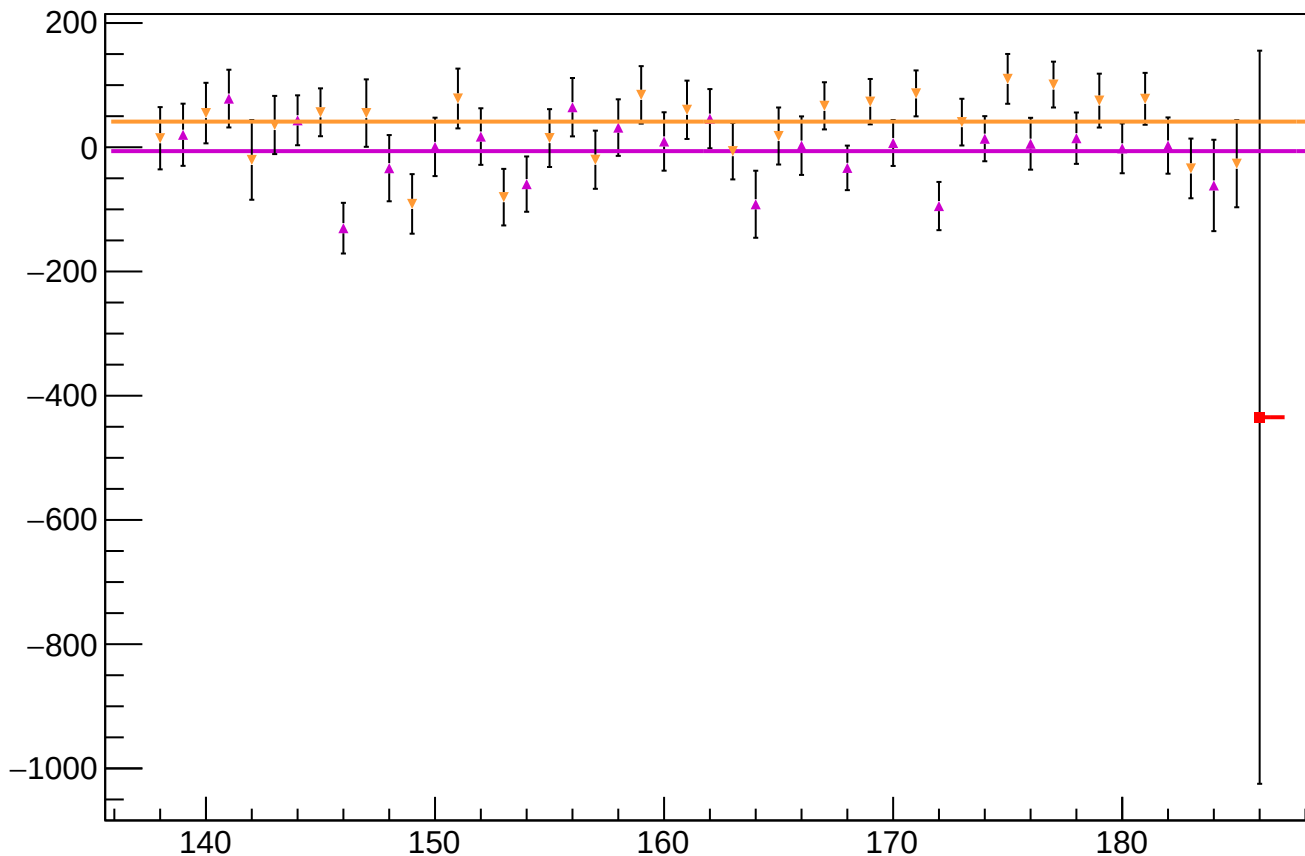
Left In: 336.439+/-0.058 χ^2/NDF : 1269066.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 336.878+/-0.041 χ^2/NDF : 3513944.4/48

- sign 337.214+/-0.058 χ^2/NDF : 1847959.8/23

reg_asym_sam_37_26_dd_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -434.648 ± 590.122 χ^2/NDF : 0.0/0

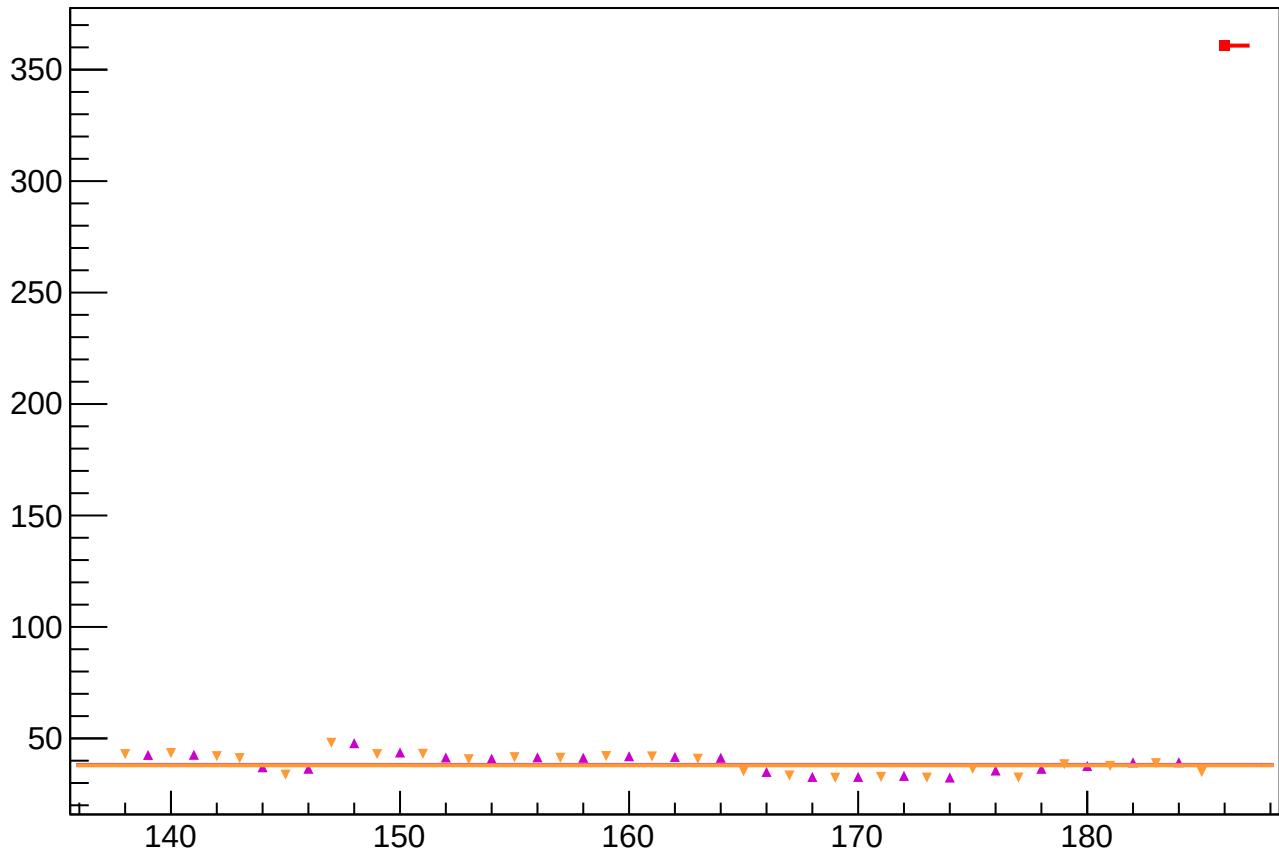
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: 18.213 ± 6.384 χ^2/NDF : 79.1/48

- sign -6.357 ± 9.174 χ^2/NDF : 30.8/23

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 360.791 $\pm$ 0.417 χ^2 /NDF: 0.0/0

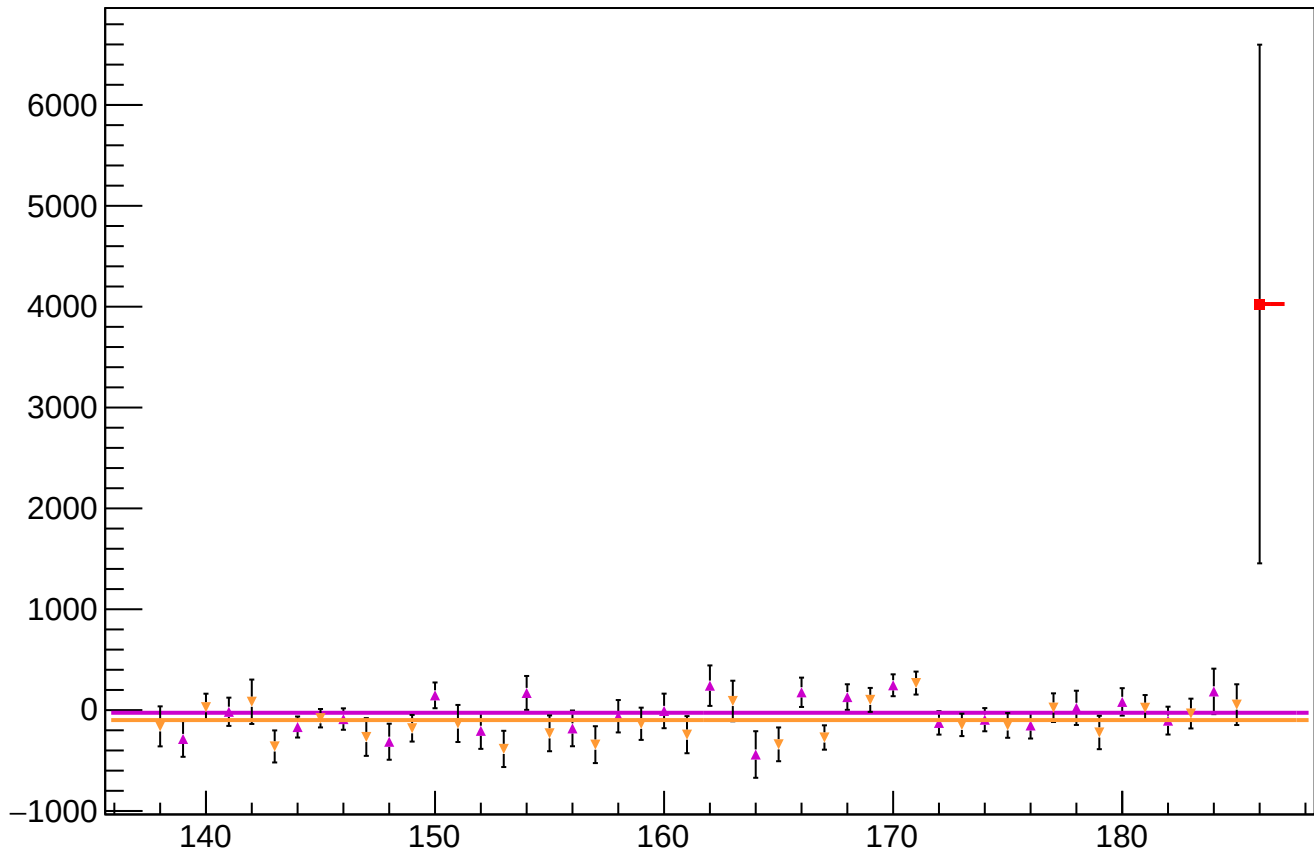
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 38.041 $\pm$ 0.005 χ^2 /NDF: 1482053.9/48

- sign 38.165 $\pm$ 0.006 χ^2 /NDF: 994261.4/23

asym_sam_37_26_dd_correction_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -98.741 $\pm$ 29.095 χ^2 /NDF:32.7/24

Right Out: 4026.492 $\pm$ 2571.269 χ^2 /NDF: 0.0/0

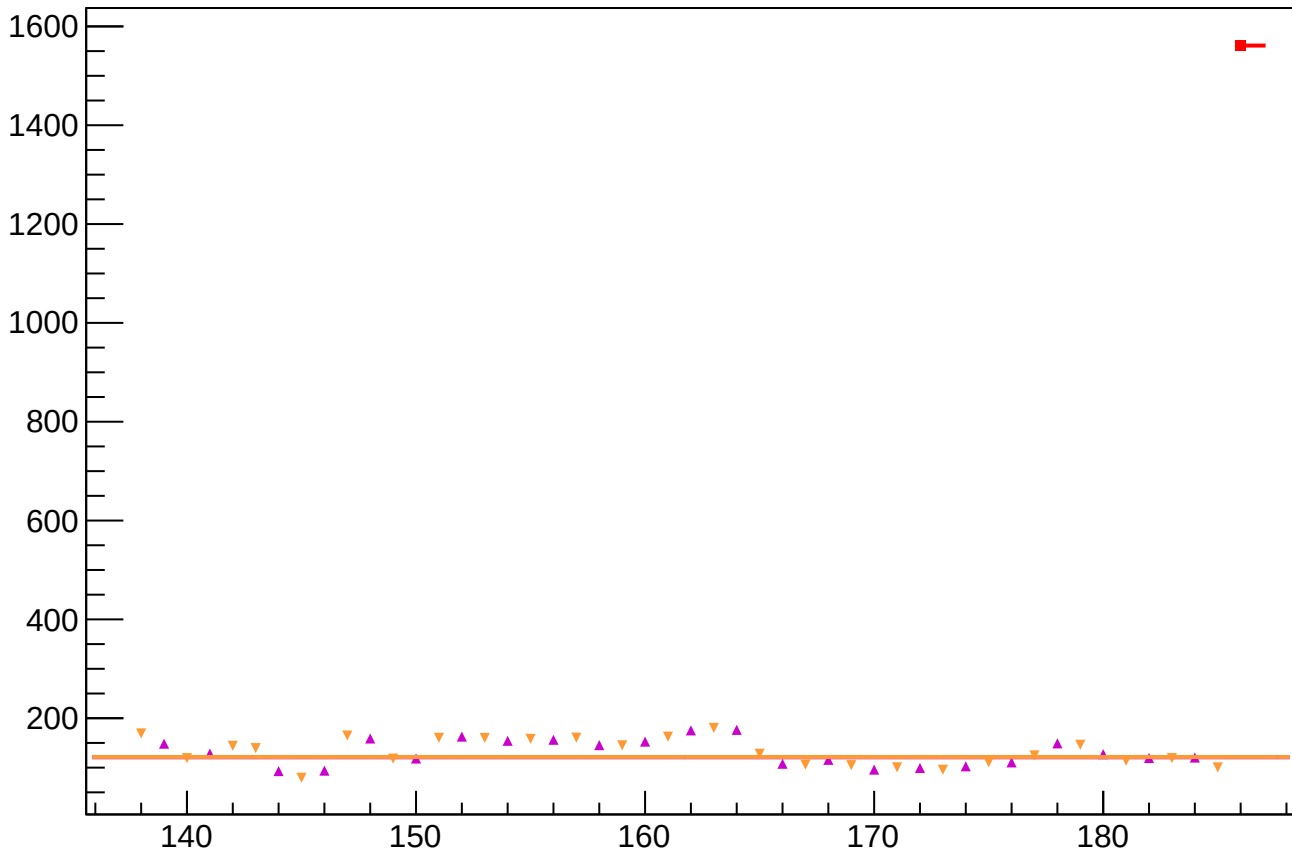
Left In: -26.223 $\pm$ 29.676 χ^2 /NDF:30.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -62.931 $\pm$ 20.775 χ^2 /NDF: 69.0/48

- sign -25.683 $\pm$ 29.674 χ^2 /NDF: 33.2/23

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 121.592+/-0.021 χ^2/NDF :1711423.9/24

Right Out: 1561.206+/-1.818 χ^2/NDF : 0.0/0

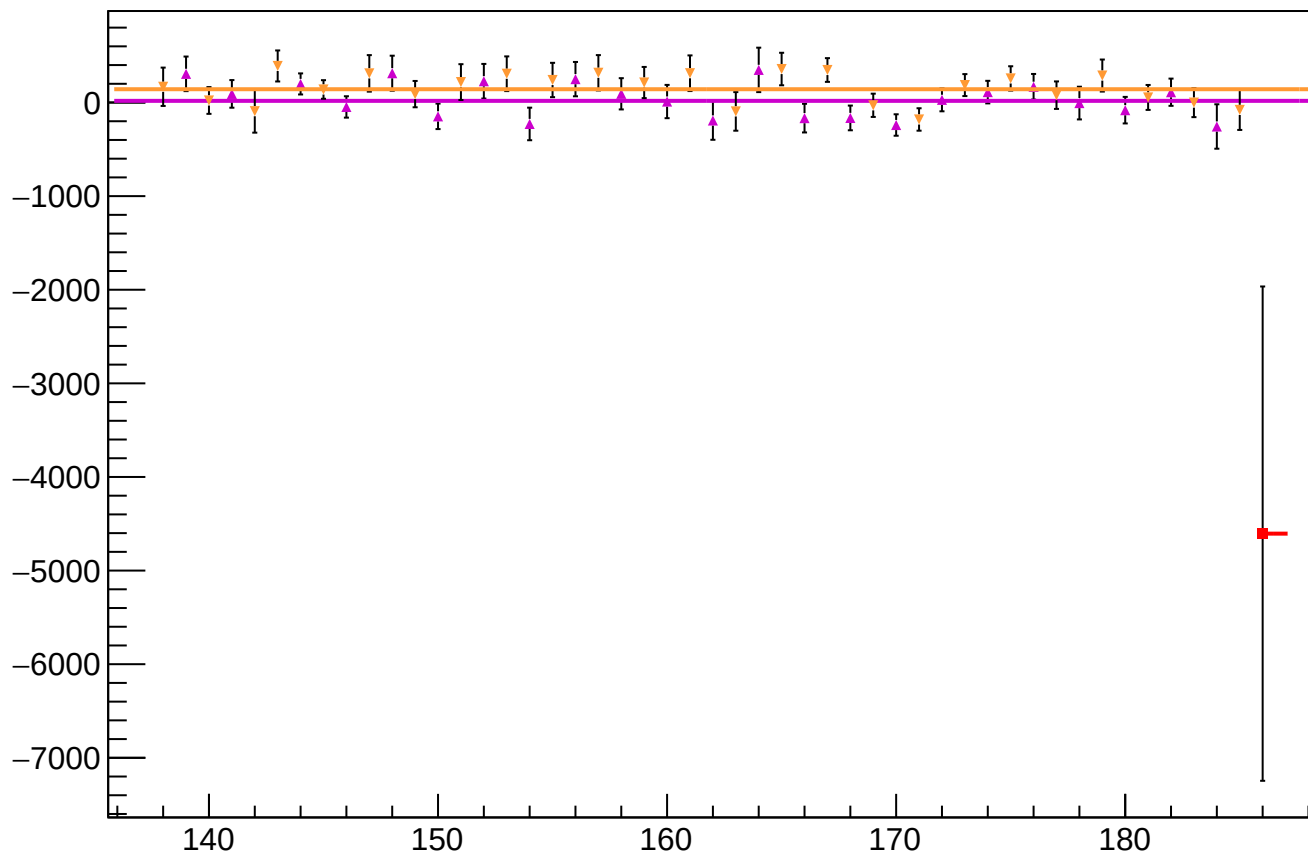
Left In: 120.927+/-0.021 χ^2/NDF :1382861.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 121.360+/-0.015 χ^2/NDF : 3721982.0/48

- sign 121.119+/-0.021 χ^2/NDF : 2010298.7/23

asym_sam_37_26_dd_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 142.014 ± 30.574 χ^2/NDF : 26.9/24

Right Out: -4605.425 ± 2640.214 χ^2/NDF : 0.0/0

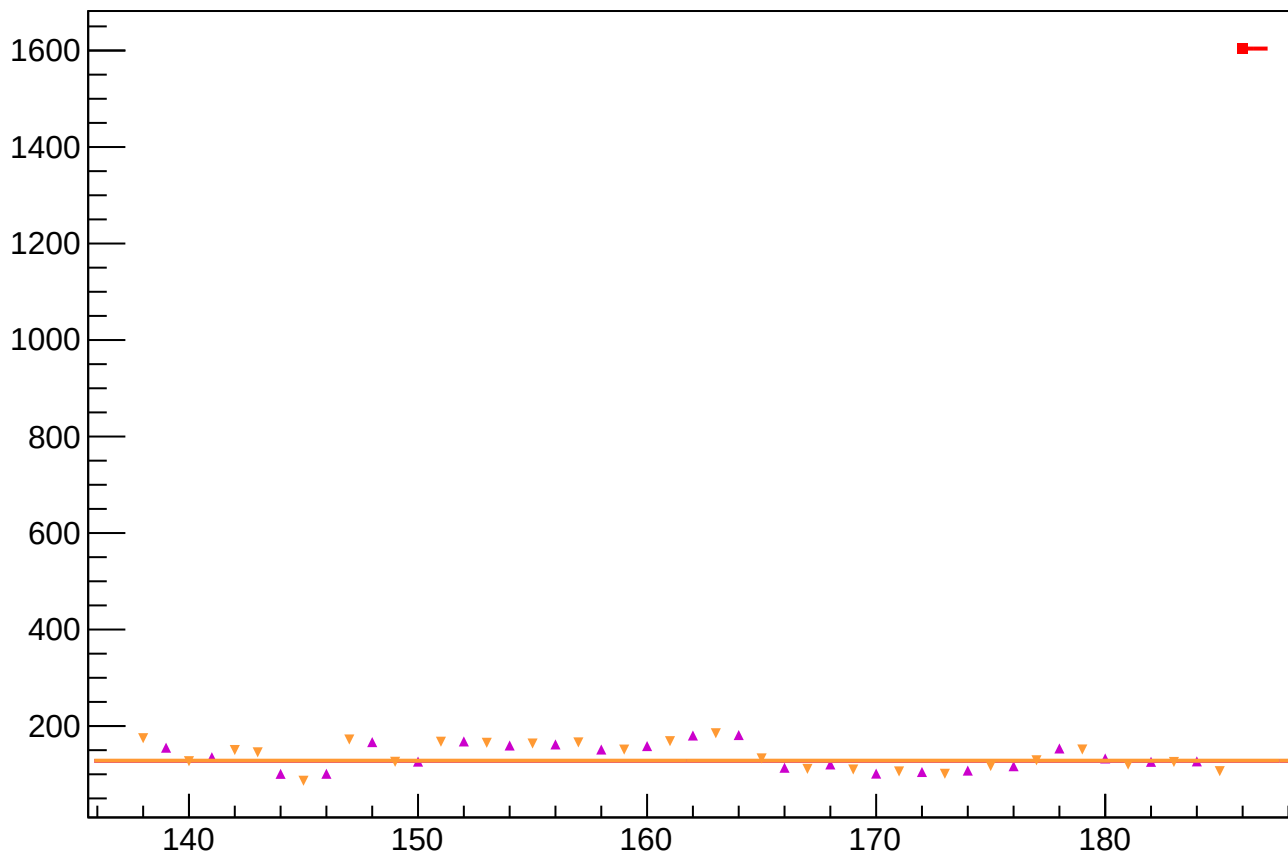
Left In: 17.679 ± 31.209 χ^2/NDF : 30.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: 80.802 ± 21.839 χ^2/NDF : 68.3/48

- sign 17.033 ± 31.206 χ^2/NDF : 33.2/23

asym_sam_37_26_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 128.175+/-0.022 χ^2/NDF :1532922.0/24

Right Out: 1604.044+/-1.867 χ^2/NDF : 0.0/0

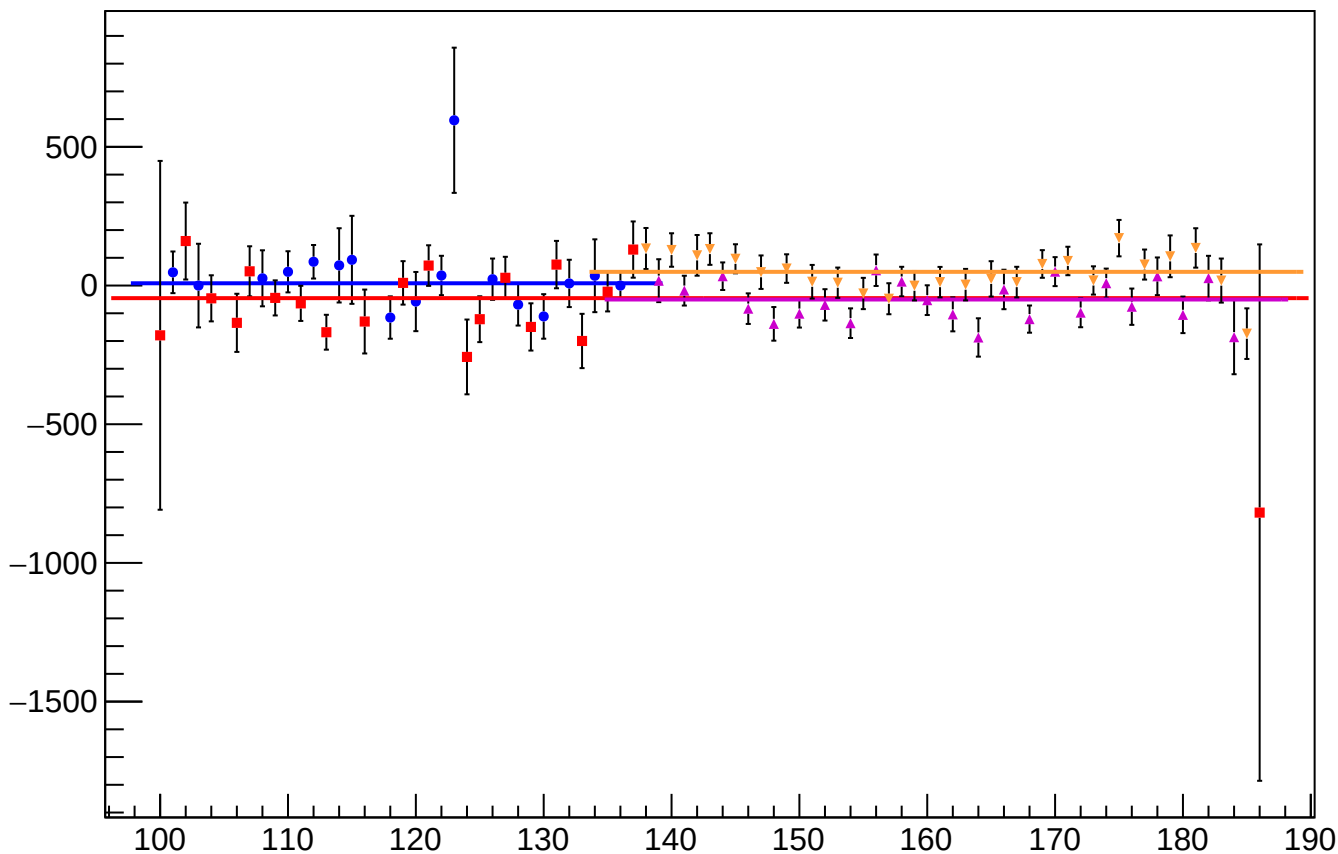
Left In: 127.544+/-0.022 χ^2/NDF :1235705.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 127.967+/-0.015 χ^2/NDF : 3394217.1/48

- sign 127.750+/-0.022 χ^2/NDF : 1861105.7/23

reg_asym_sam_1357_avg_mean vs Slug



Right In: 8.177 ± 20.186 χ^2/NDF : 14.3/16

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -45.452 ± 19.455 χ^2/NDF : 25.6/19

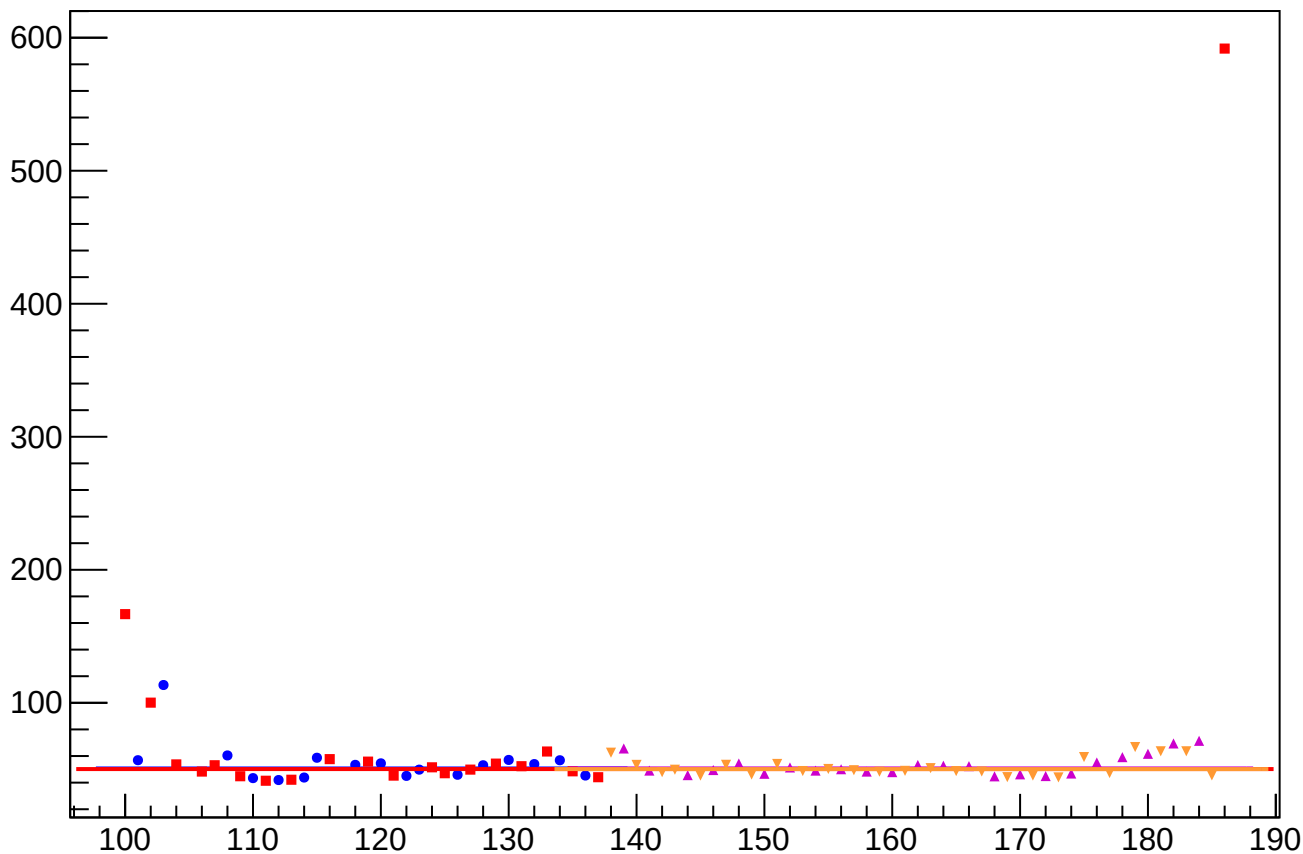
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 38.895 ± 10.191 χ^2/NDF : 45.5/41

All: -4.266 ± 7.268 χ^2/NDF : 139.9/84

- sign -48.945 ± 10.368 χ^2/NDF : 57.8/42

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.637 $\pm$ 0.014 χ^2 /NDF: 520284.7/16

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 50.197 $\pm$ 0.014 χ^2 /NDF: 1128721.9/19

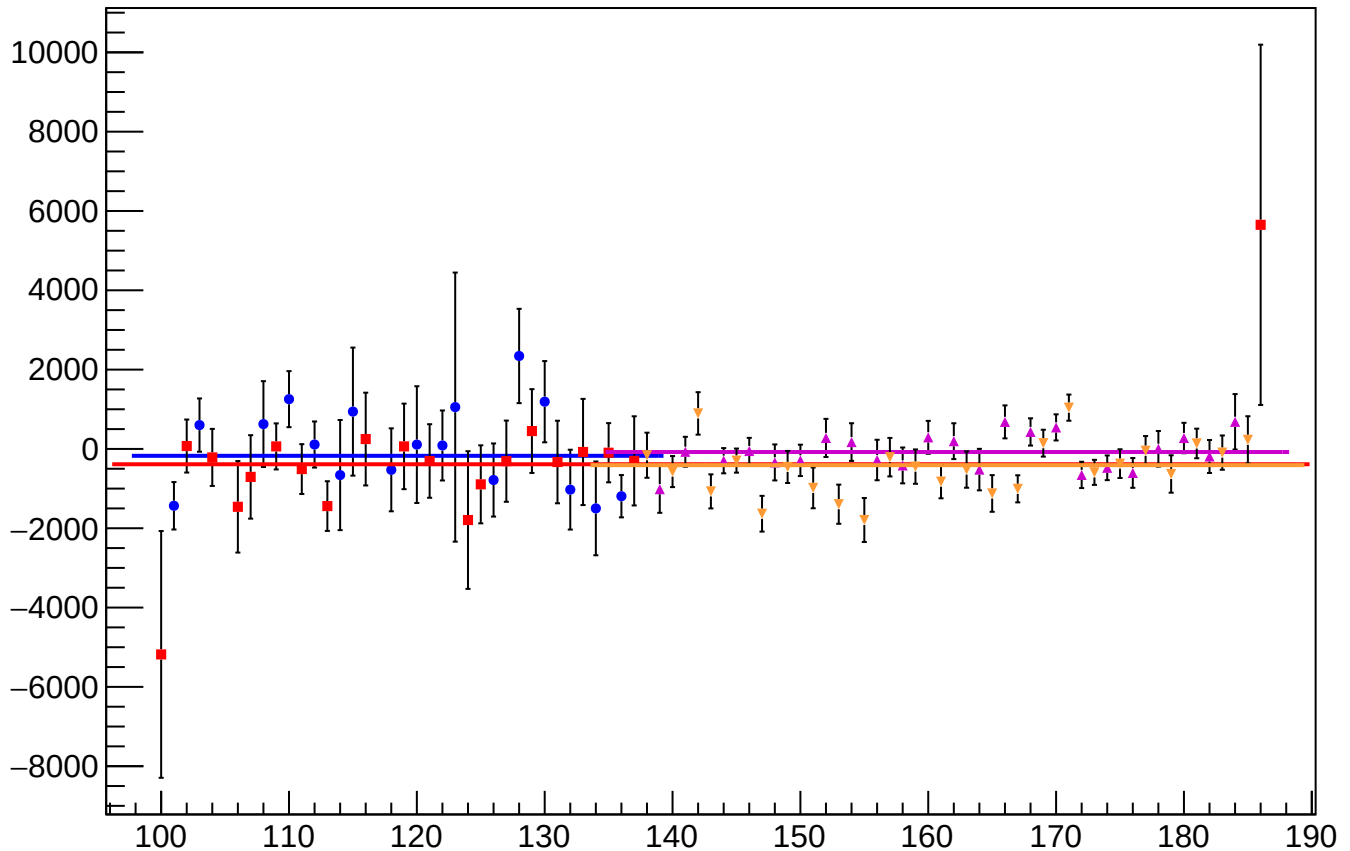
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 50.304 $\pm$ 0.007 χ^2 /NDF: 988698.2/41

All: 50.422 $\pm$ 0.005 χ^2 /NDF: 2588157.6/84

- sign 50.545 $\pm$ 0.007 χ^2 /NDF: 1598907.9/42

asym_sam_1357_avg_correction_mean vs Slug



Right In: -173.371 ± 210.671 χ^2/NDF : 23.9/16

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -386.434 ± 203.836 χ^2/NDF : 11.3/19

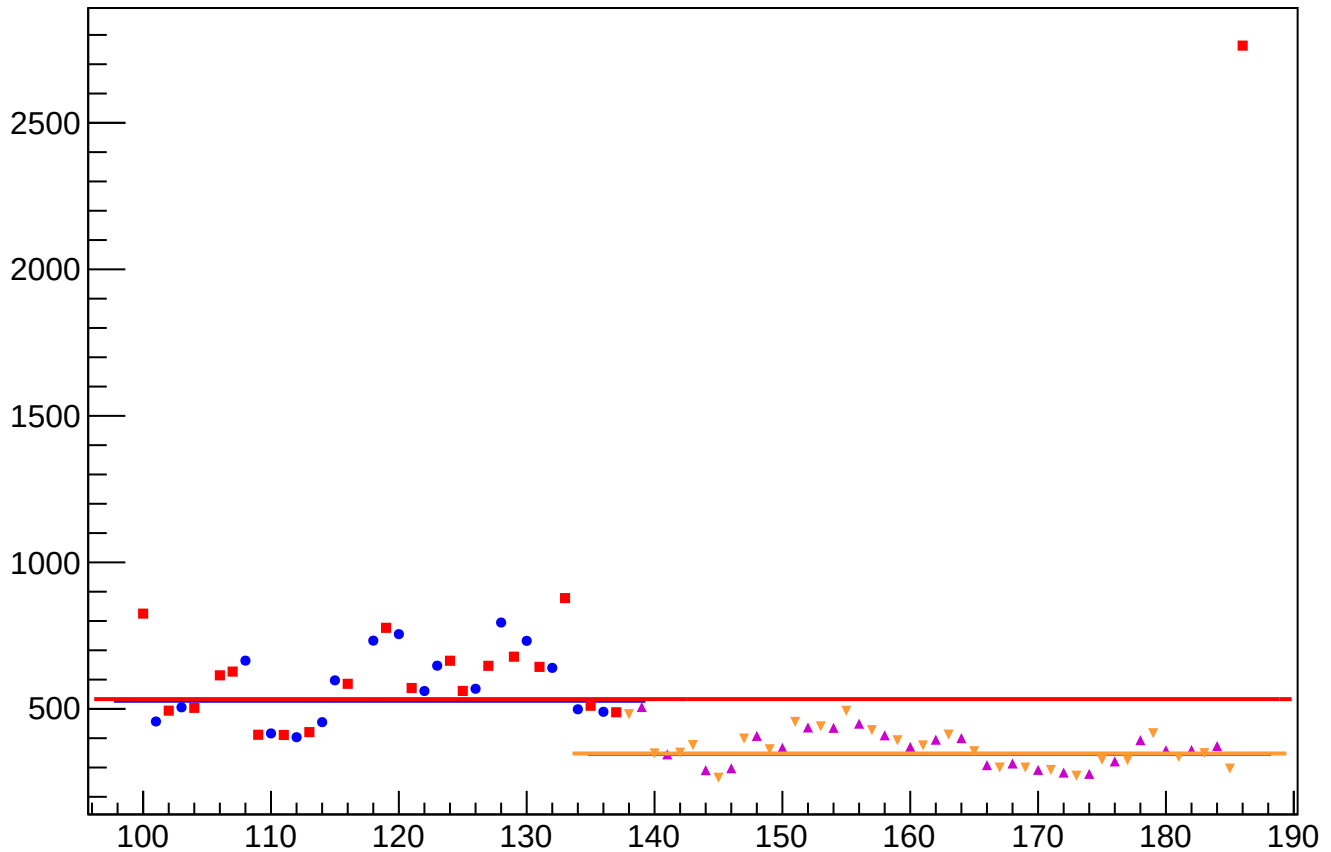
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -377.912 ± 76.697 χ^2/NDF : 86.7/41

All: -252.014 ± 54.591 χ^2/NDF : 130.3/84

- sign -122.732 ± 77.721 χ^2/NDF : 38.2/42

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.871+/-0.149 χ^2/NDF : 563444.4/16

Left Out: 347.875+/-0.058 χ^2/NDF :1044096.7/24

Right Out: 533.386+/-0.144 χ^2/NDF : 1108611.4/19

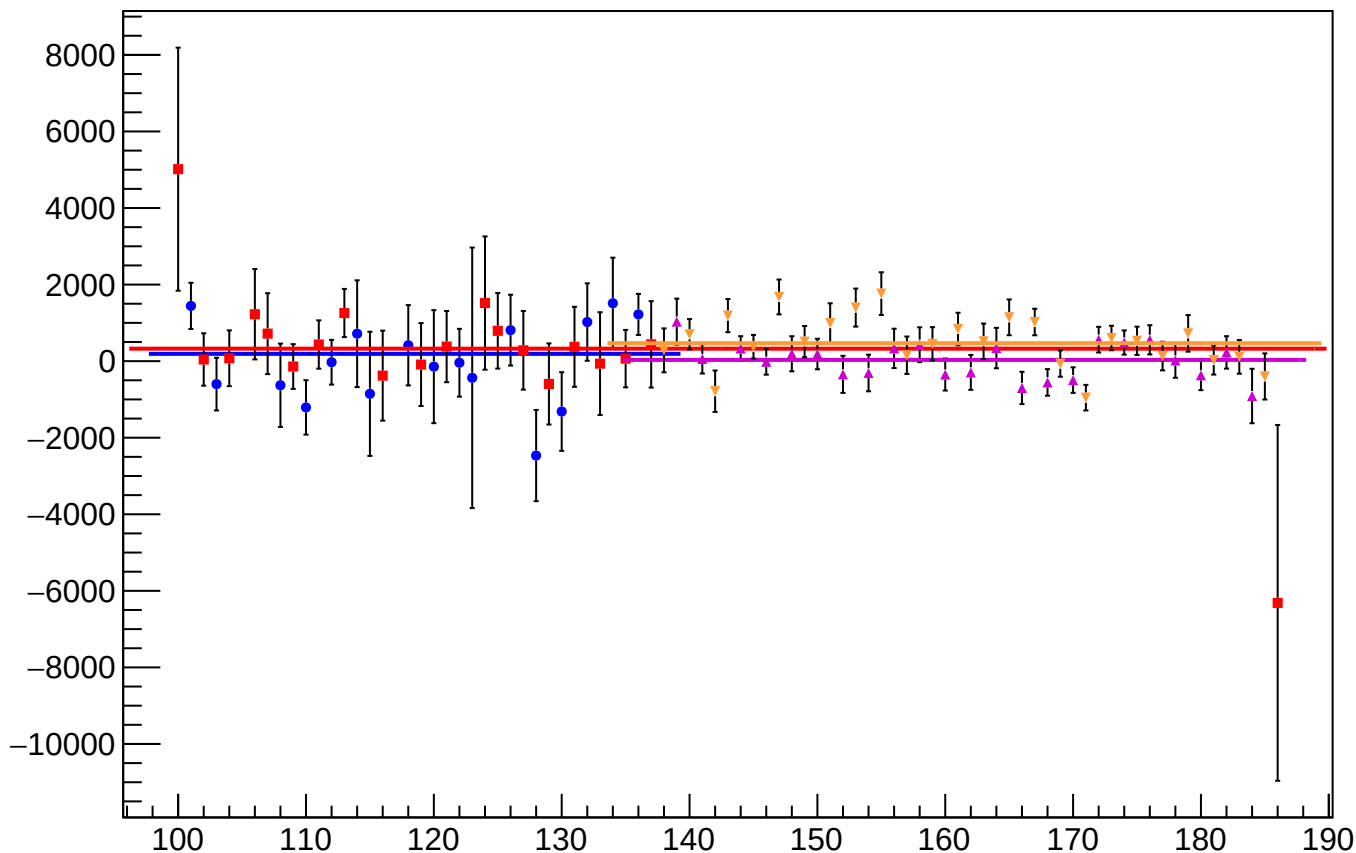
Left In: 345.954+/-0.059 χ^2/NDF :900847.0/22

+ sign 371.732+/-0.054 χ^2/NDF : 2874007.8/41

All: 372.458+/-0.039 χ^2/NDF : 6329026.7/84

- sign 373.204+/-0.055 χ^2/NDF : 3454655.7/42

asym_sam_1357_avg_mean vs Slug



Right In: 190.958+/-212.155 χ^2/NDF : 24.1/16

Left Out: 468.863+/-83.295 χ^2/NDF : 57.5/24

Right Out: 326.085+/-205.417 χ^2/NDF : 10.3/19

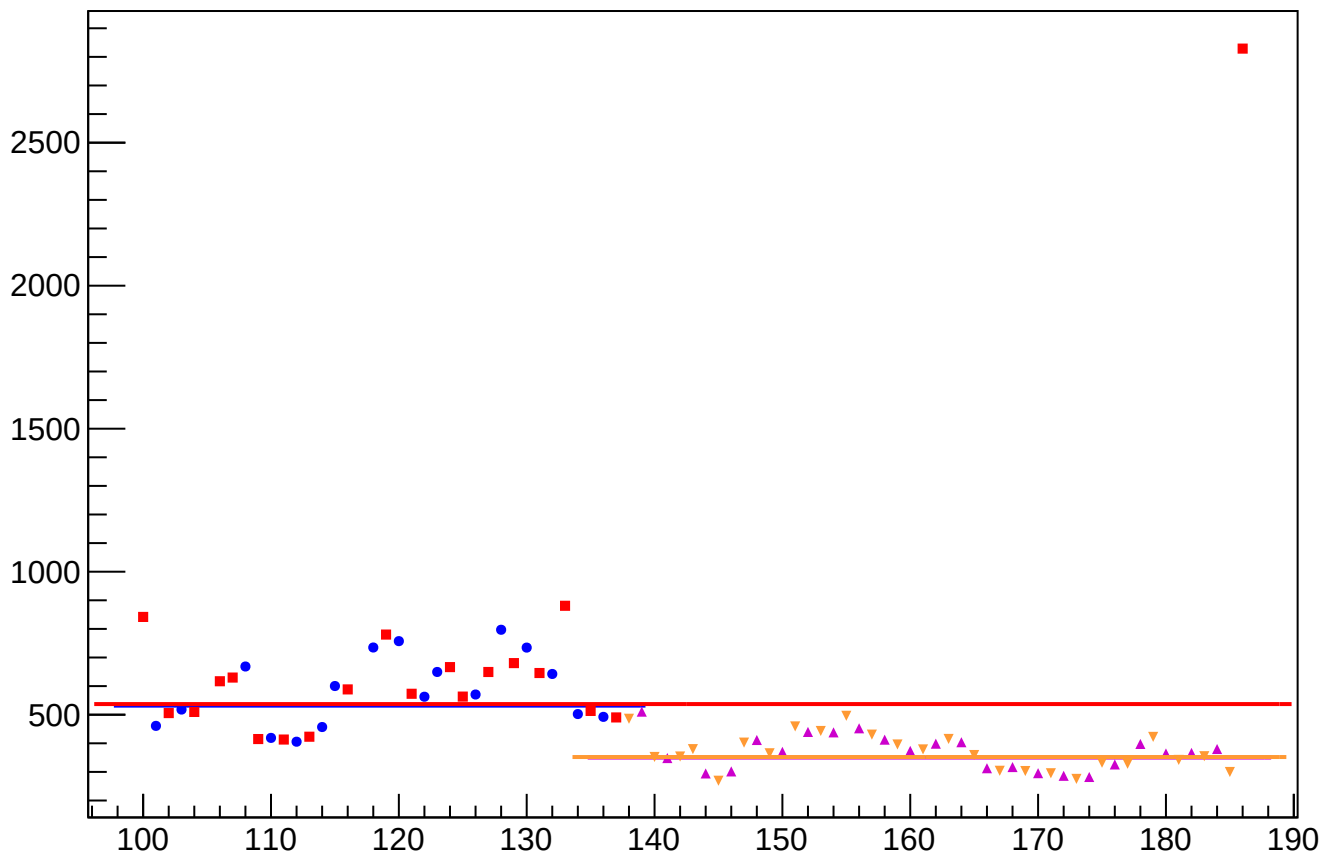
Left In: 32.801+/-85.064 χ^2/NDF : 25.7/22

+ sign 431.746+/-77.534 χ^2/NDF : 83.1/41

All: 256.151+/-55.195 χ^2/NDF : 131.2/84

- sign 75.732+/-78.592 χ^2/NDF : 37.7/42

asym_sam_1357_avg_rms vs Slug



Right In: 531.765+/-0.150 χ^2/NDF : 555969.6/16

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 537.195+/-0.145 χ^2/NDF : 1105164.7/19

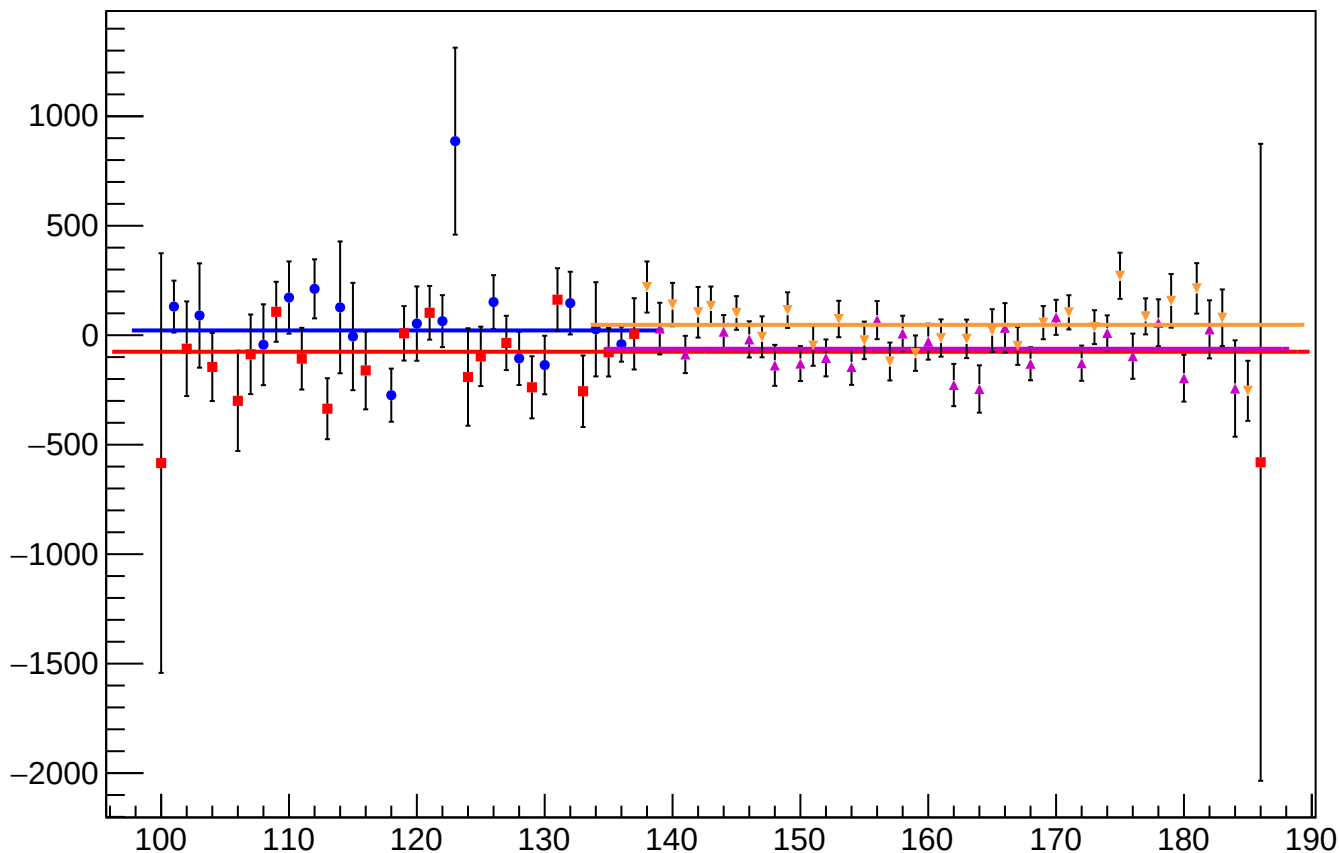
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 376.022+/-0.055 χ^2/NDF : 2817114.3/41

All: 376.770+/-0.039 χ^2/NDF : 6216386.7/84

- sign 377.538+/-0.056 χ^2/NDF : 3398895.2/42

reg_asym_sam_2468_avg_mean vs Slug



Right In: 21.833 ± 34.638 χ^2/NDF : 19.2/16

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: -75.496 ± 34.790 χ^2/NDF : 15.6/19

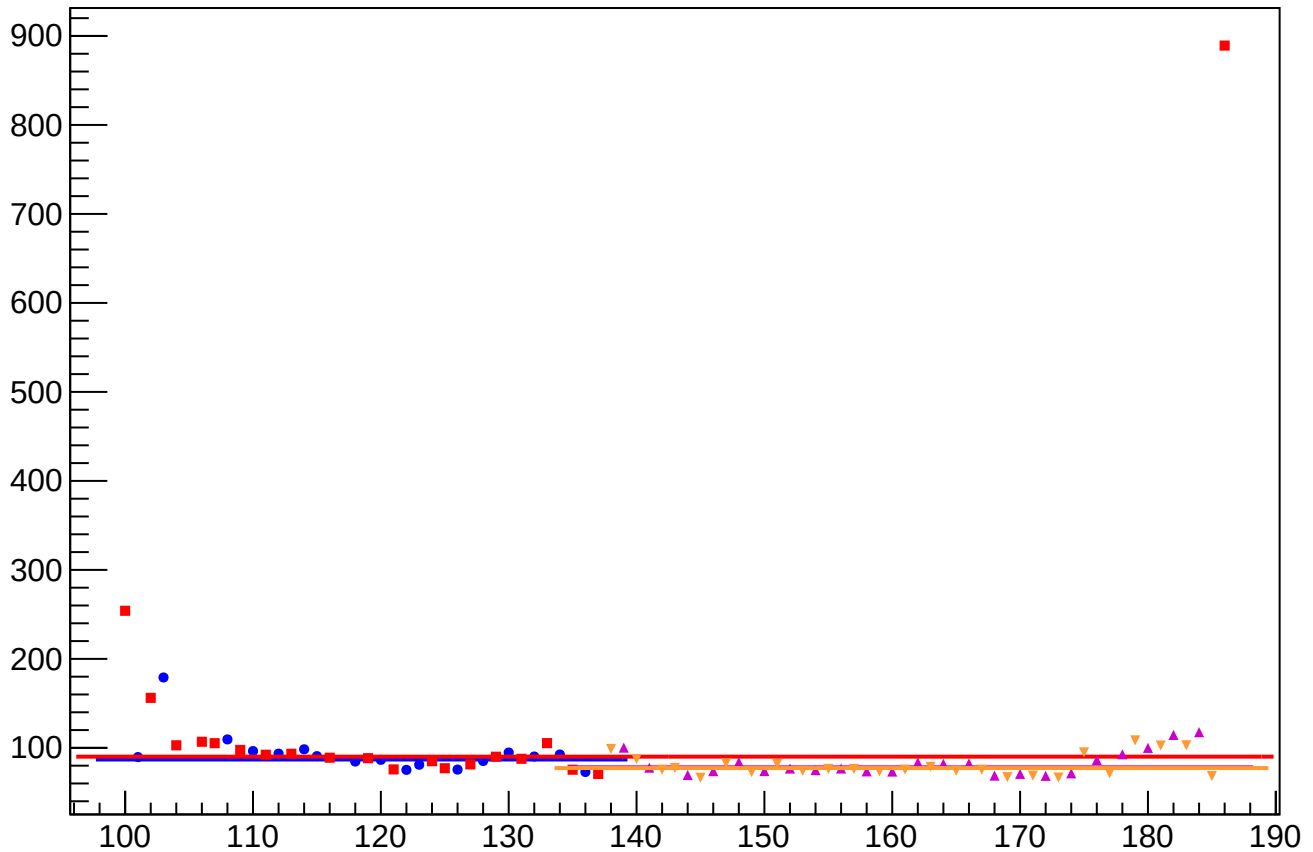
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 41.863 ± 16.148 χ^2/NDF : 49.0/41

All: -9.923 ± 11.591 χ^2/NDF : 109.9/84

- sign -64.959 ± 16.647 χ^2/NDF : 39.7/42

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.949 $\pm$ 0.024 χ^2 /NDF: 453620.2/16

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF: 635622.3/24

Right Out: 90.131 $\pm$ 0.025 χ^2 /NDF: 1033019.9/19

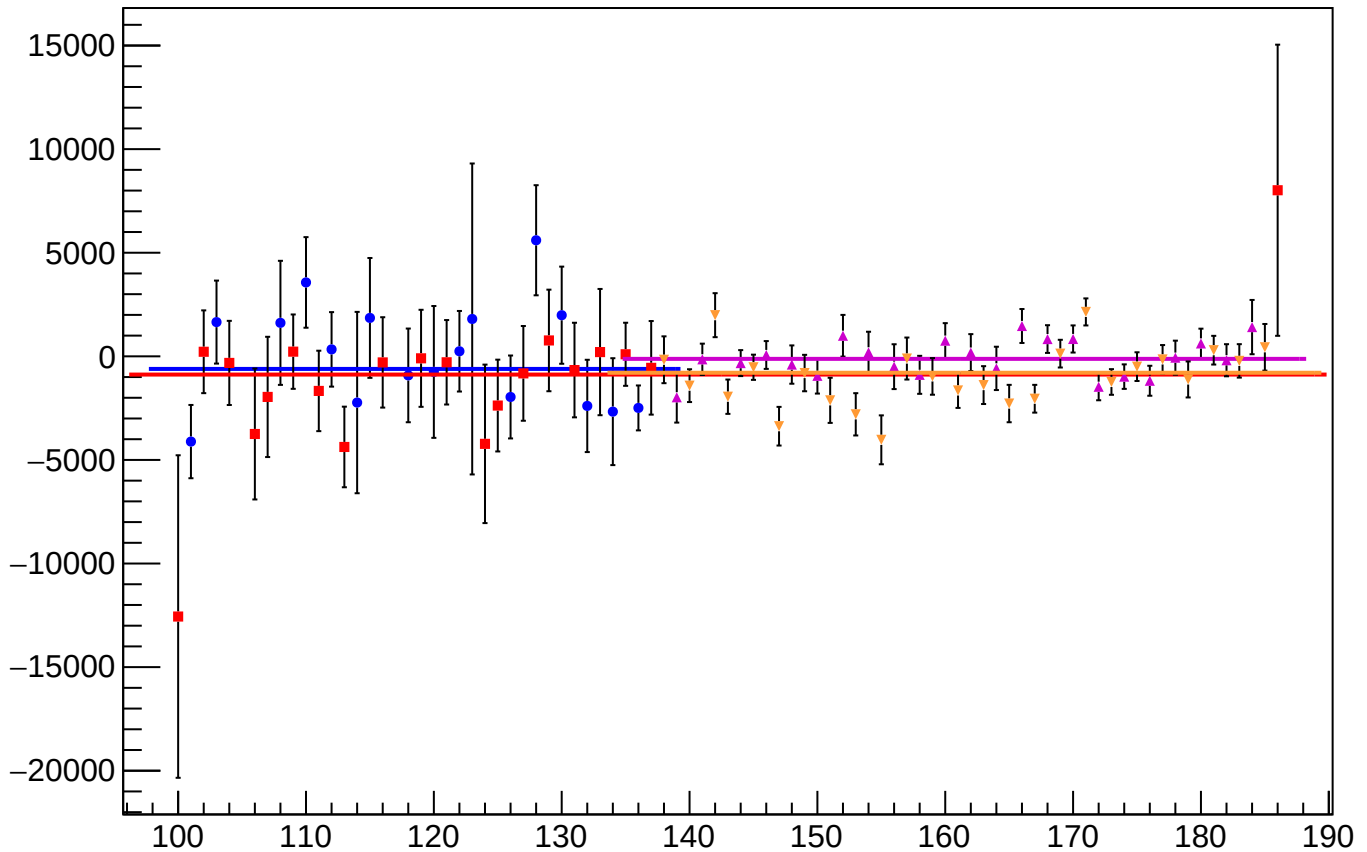
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF: 582108.1/22

+ sign 79.410 $\pm$ 0.011 χ^2 /NDF: 1210305.0/41

All: 80.125 $\pm$ 0.008 χ^2 /NDF: 3016757.7/84

- sign 80.884 $\pm$ 0.012 χ^2 /NDF: 1798367.2/42

asym_sam_2468_avg_correction_mean vs Slug



Right In: -607.702 $\pm$ 518.220 χ^2 /NDF: 22.3/16

Left Out: -792.776 $\pm$ 162.659 χ^2 /NDF: 66.6/24

Right Out: -880.002 $\pm$ 514.392 χ^2 /NDF: 11.5/19

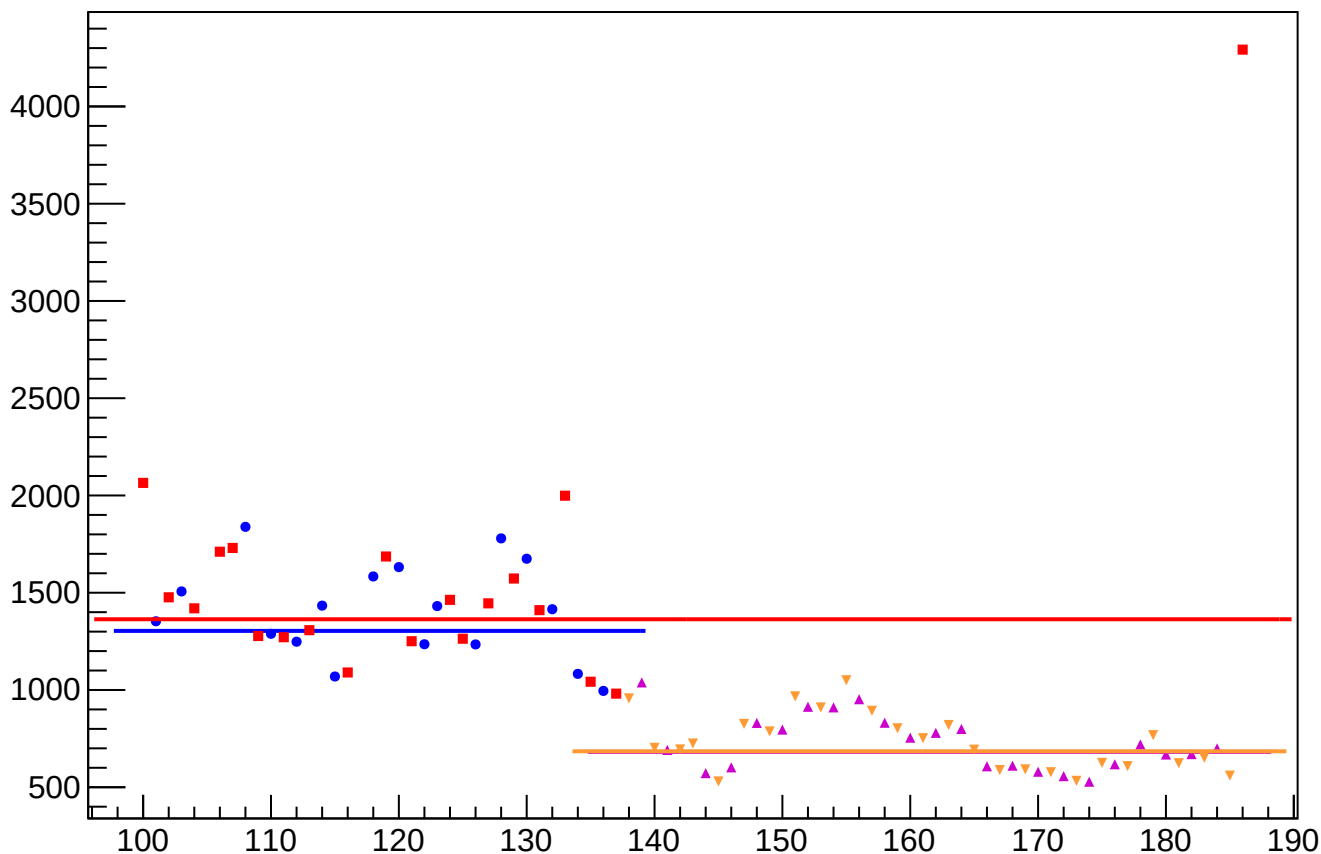
Left In: -122.198 $\pm$ 166.193 χ^2 /NDF: 25.9/22

+ sign -776.177 $\pm$ 155.194 χ^2 /NDF: 89.0/41

All: -490.484 $\pm$ 110.767 χ^2 /NDF: 135.3/84

- sign -193.824 $\pm$ 158.144 χ^2 /NDF: 39.4/42

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.810 +/- 0.366 χ^2/NDF : 456027.3/16

Left Out: 684.785 +/- 0.115 χ^2/NDF : 1280146.2/24

Right Out: 1363.607 +/- 0.364 χ^2/NDF : 770764.5/19

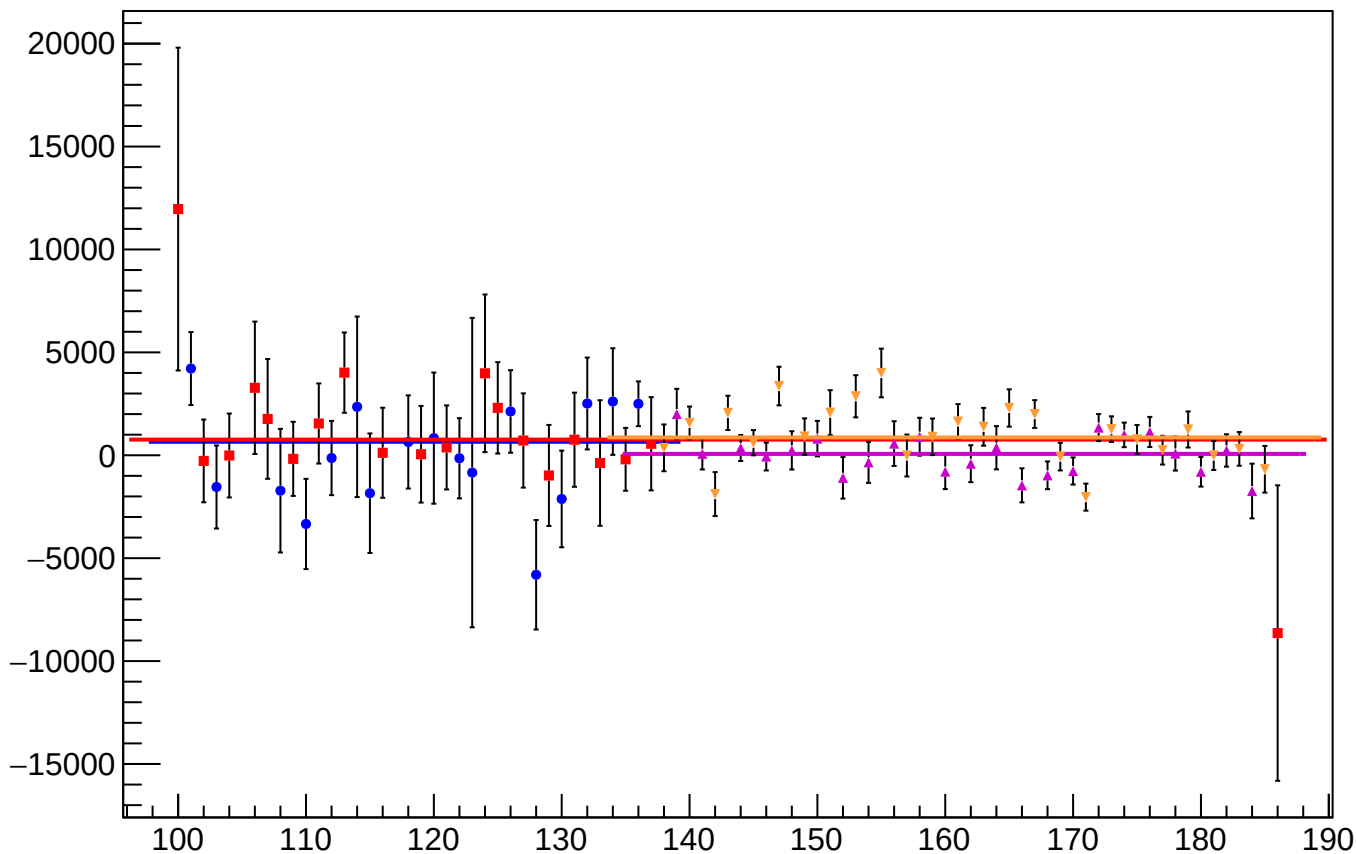
Left In: 681.712 +/- 0.118 χ^2/NDF : 1119637.0/22

+ sign 740.302 +/- 0.110 χ^2/NDF : 4334002.5/41

All: 743.178 +/- 0.078 χ^2/NDF : 9408210.7/84

- sign 746.164 +/- 0.112 χ^2/NDF : 5072808.3/42

asym_sam_2468_avg_mean vs Slug



Right In: 655.779+/-519.695 χ^2/NDF : 22.4/16

Left Out: 865.597+/-163.885 χ^2/NDF : 62.8/24

Right Out: 761.478+/-516.148 χ^2/NDF : 10.6/19

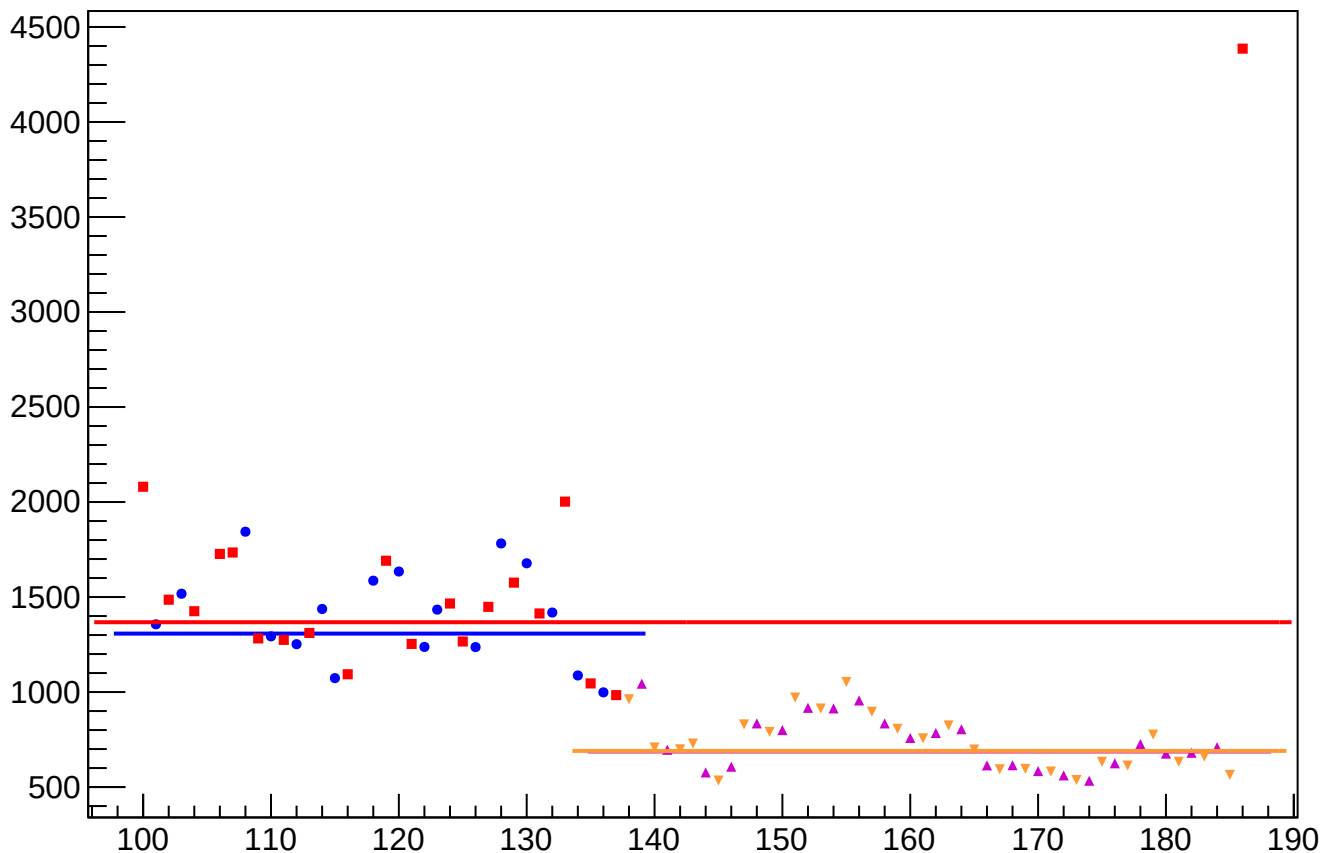
Left In: 65.924+/-167.485 χ^2/NDF : 26.4/22

+ sign 846.619+/-156.298 χ^2/NDF : 85.4/41

All: 496.213+/-111.568 χ^2/NDF : 134.3/84

- sign 132.185+/-159.307 χ^2/NDF : 38.6/42

asym_sam_2468_avg_rms vs Slug



Right In: 1307.585 $\pm$ 0.367 χ^2 /NDF: 455146.3/16

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF: 1258158.2/24

Right Out: 1367.441 $\pm$ 0.365 χ^2 /NDF: 777911.1/19

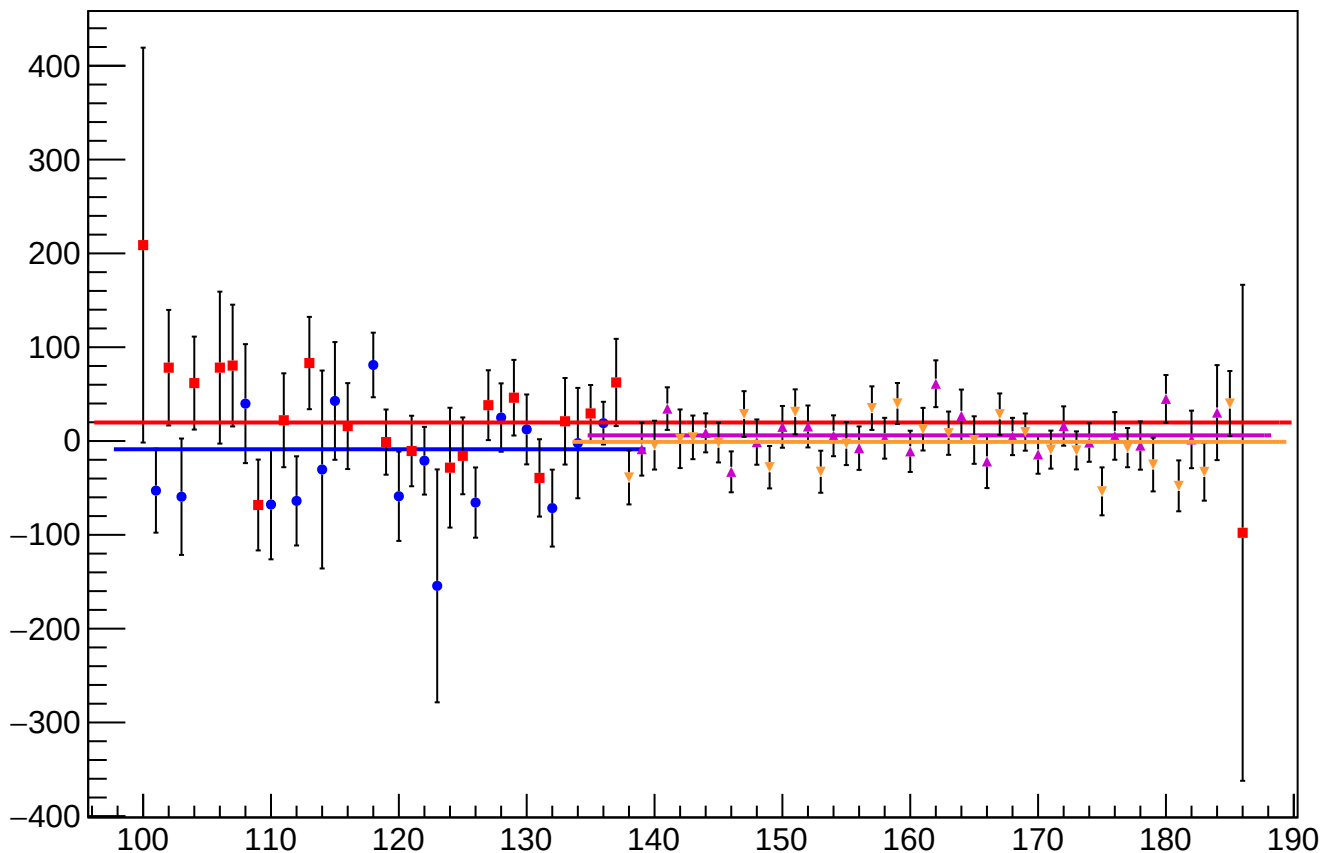
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF: 1099706.1/22

+ sign 746.012 $\pm$ 0.111 χ^2 /NDF: 4280853.1/41

All: 748.957 $\pm$ 0.079 χ^2 /NDF: 9302656.0/84

- sign 752.016 $\pm$ 0.113 χ^2 /NDF: 5020355.1/42

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -8.789 ± 10.423 χ^2/NDF : 22.0/16

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 19.764 ± 10.462 χ^2/NDF : 15.0/19

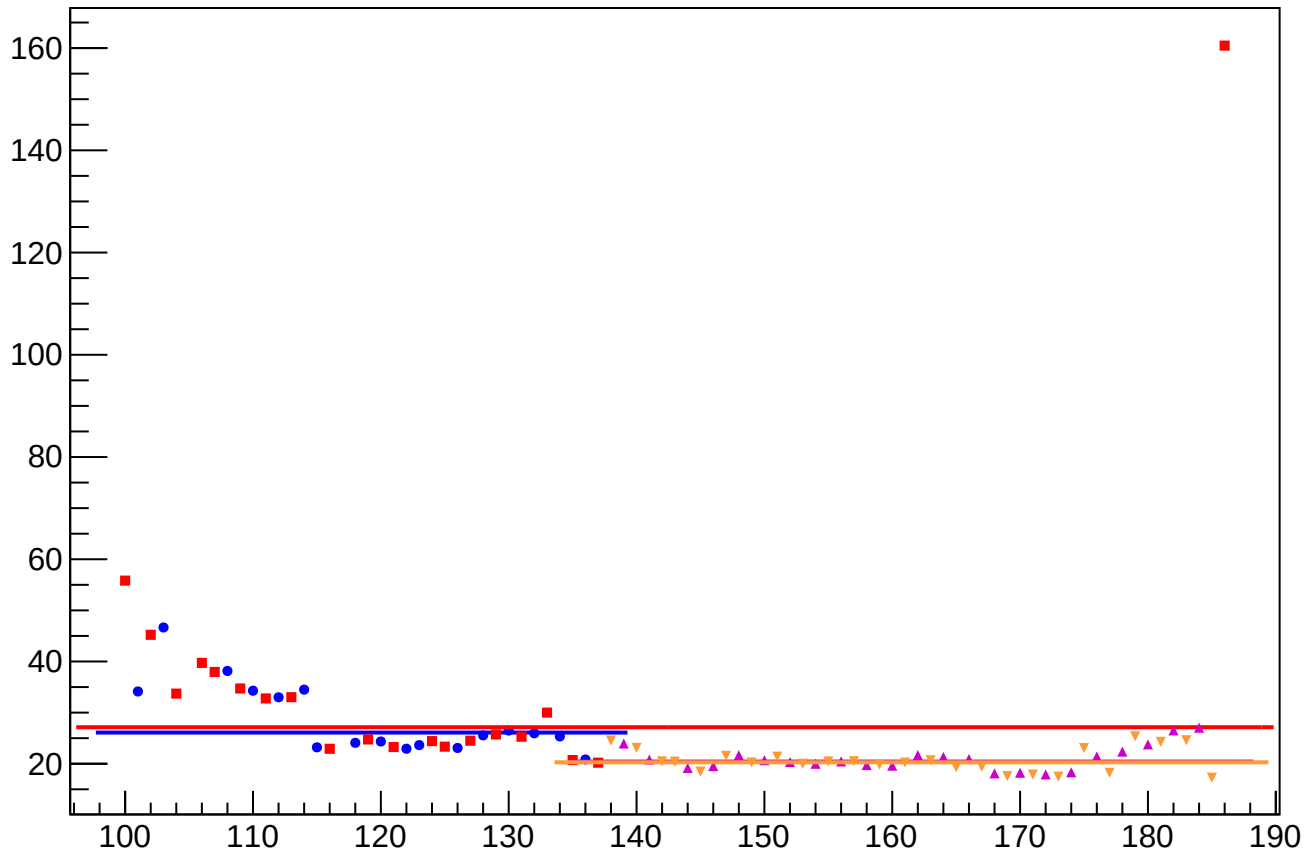
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -2.230 ± 4.330 χ^2/NDF : 50.4/41

All: 2.997 ± 3.105 χ^2/NDF : 86.8/84

- sign 8.531 ± 4.456 χ^2/NDF : 33.3/42

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.100 $\pm$ 0.007 χ^2/NDF : 601502.5/16

Left Out: 20.279 $\pm$ 0.003 χ^2/NDF : 407056.4/24

Right Out: 27.144 $\pm$ 0.007 χ^2/NDF : 1187603.3/19

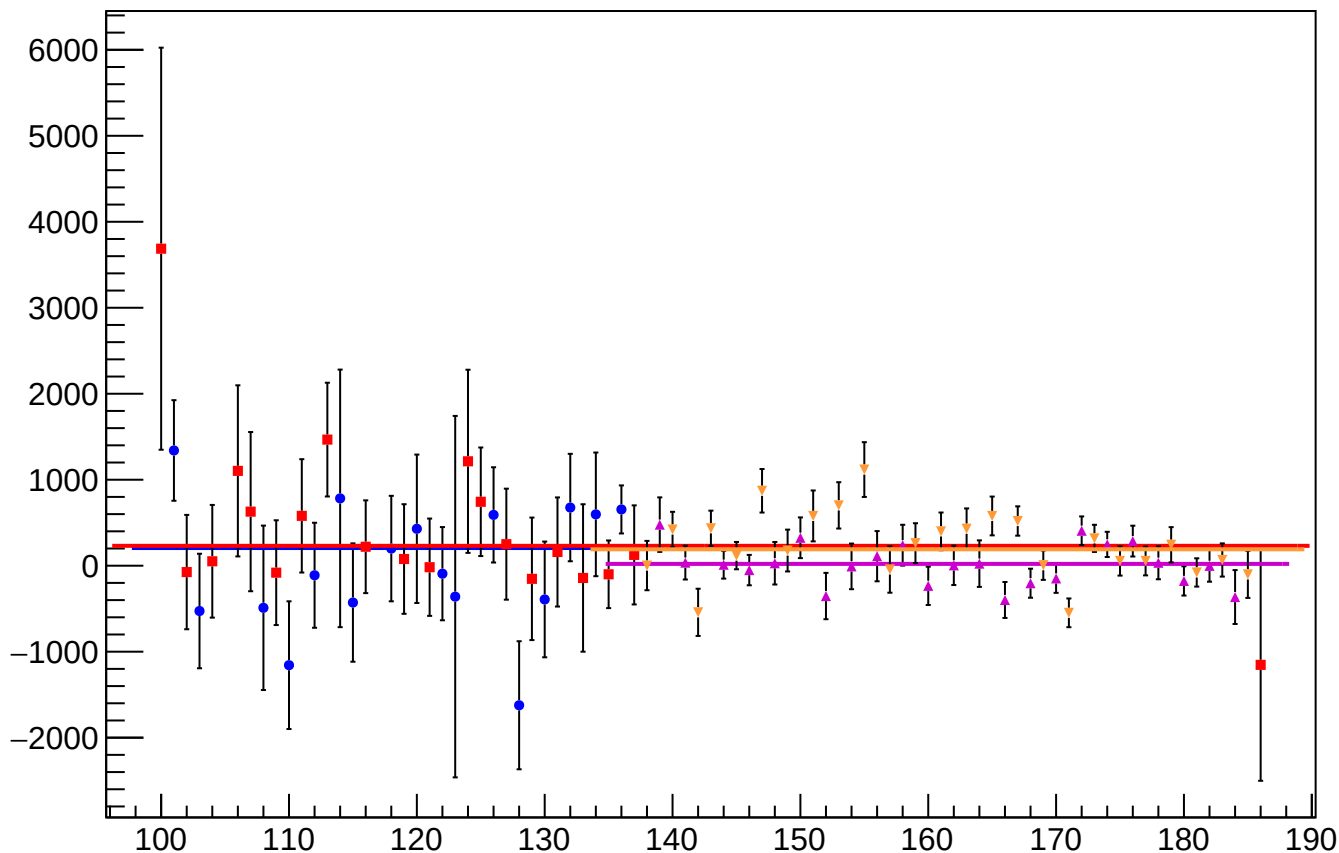
Left In: 20.424 $\pm$ 0.003 χ^2/NDF : 323427.4/22

+ sign 21.284 $\pm$ 0.003 χ^2/NDF : 1524632.3/41

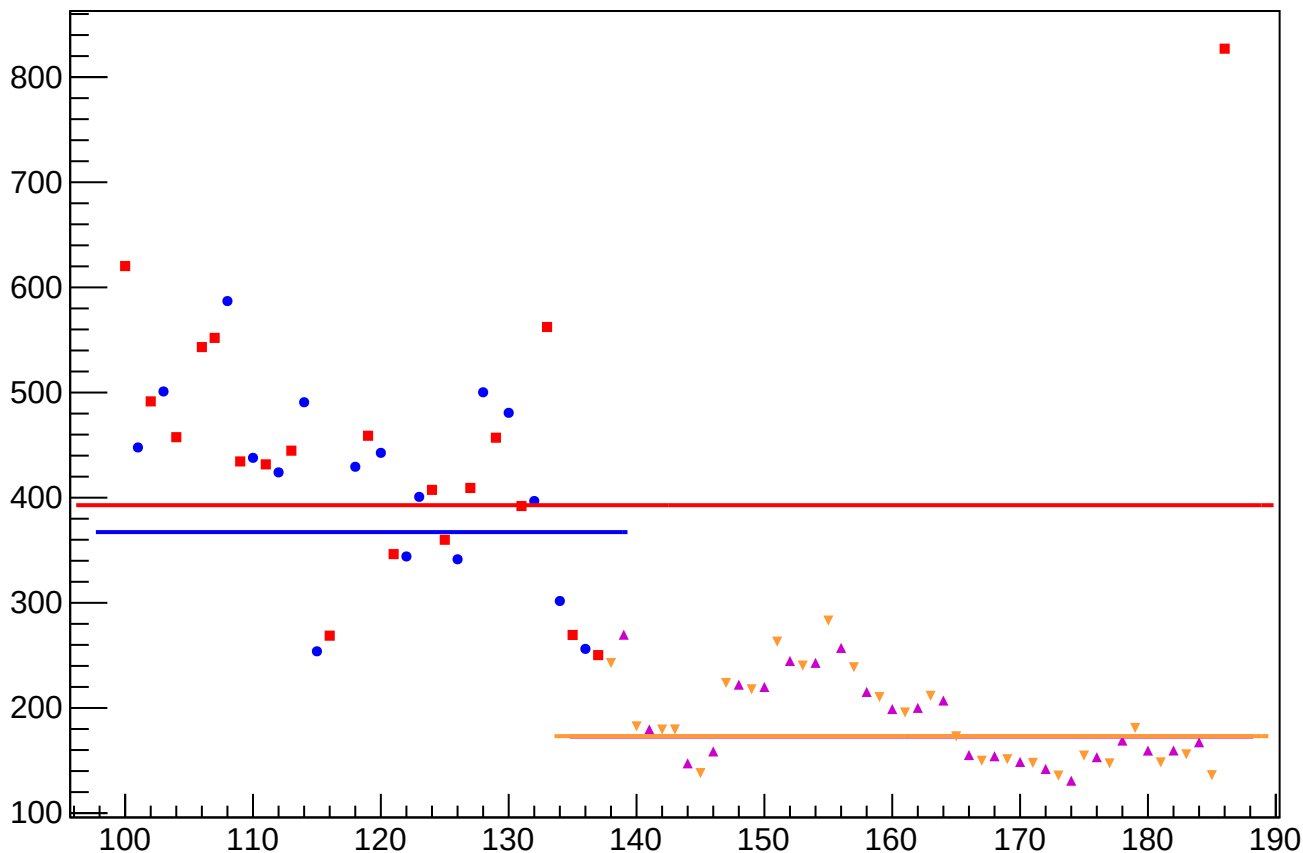
All: 21.458 $\pm$ 0.002 χ^2/NDF : 3717873.9/84

- sign 21.643 $\pm$ 0.003 χ^2/NDF : 2186558.6/42

asym_sam_1357_2468_dd_correction_mean vs Slug



asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.272 $\pm$ 0.105 χ^2/NDF : 829589.7/16

Left Out: 173.210 $\pm$ 0.029 χ^2/NDF : 1561250.6/24

Right Out: 392.867 $\pm$ 0.106 χ^2/NDF : 984892.6/19

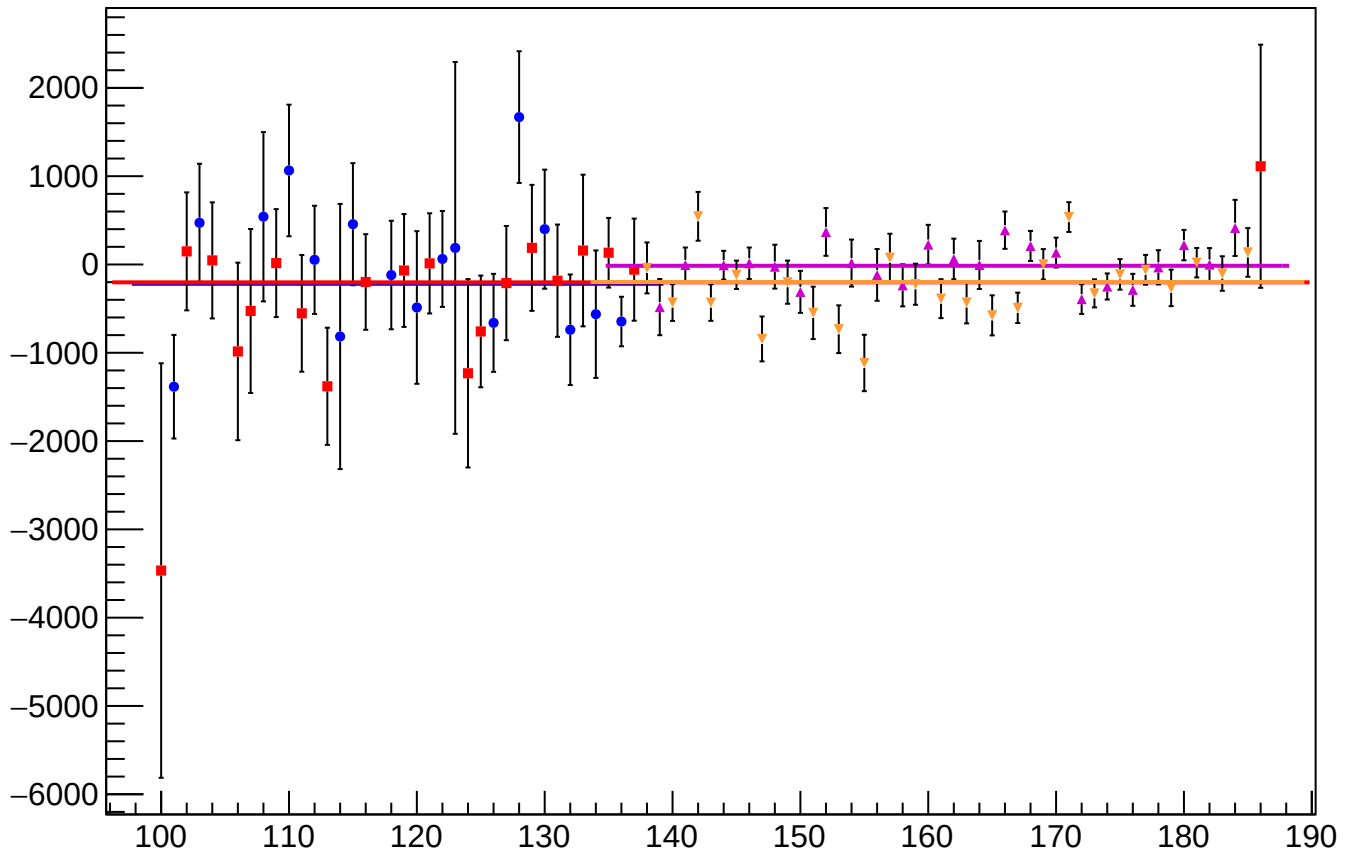
Left In: 172.828 $\pm$ 0.030 χ^2/NDF : 1372131.7/22

+ sign 187.204 $\pm$ 0.028 χ^2/NDF : 5573091.7/41

All: 188.170 $\pm$ 0.020 χ^2/NDF : 11955772.1/84

- sign 189.179 $\pm$ 0.029 χ^2/NDF : 6380274.3/42

asym_sam_1357_2468_dd_mean vs Slug



Right In: -218.471 ± 148.628 χ^2/NDF : 21.5/16

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -202.186 ± 149.746 χ^2/NDF : 10.7/19

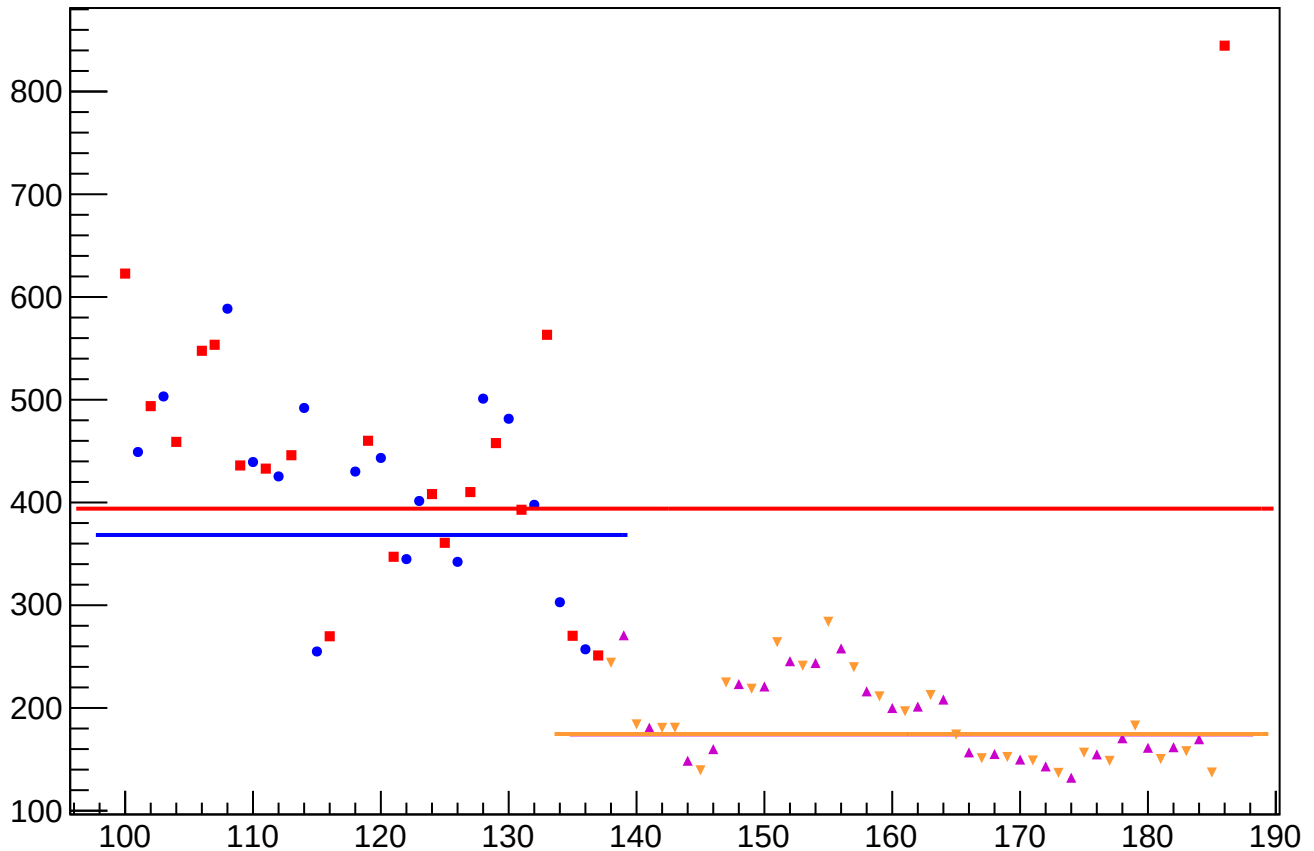
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -199.413 ± 40.094 χ^2/NDF : 85.8/41

All: -115.952 ± 28.666 χ^2/NDF : 134.5/84

- sign -28.677 ± 41.000 χ^2/NDF : 39.9/42

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.392 $\pm$ 0.105 χ^2 /NDF: 826964.8/16

Left Out: 174.648 $\pm$ 0.029 χ^2 /NDF: 1531999.5/24

Right Out: 394.004 $\pm$ 0.106 χ^2 /NDF: 991868.7/19

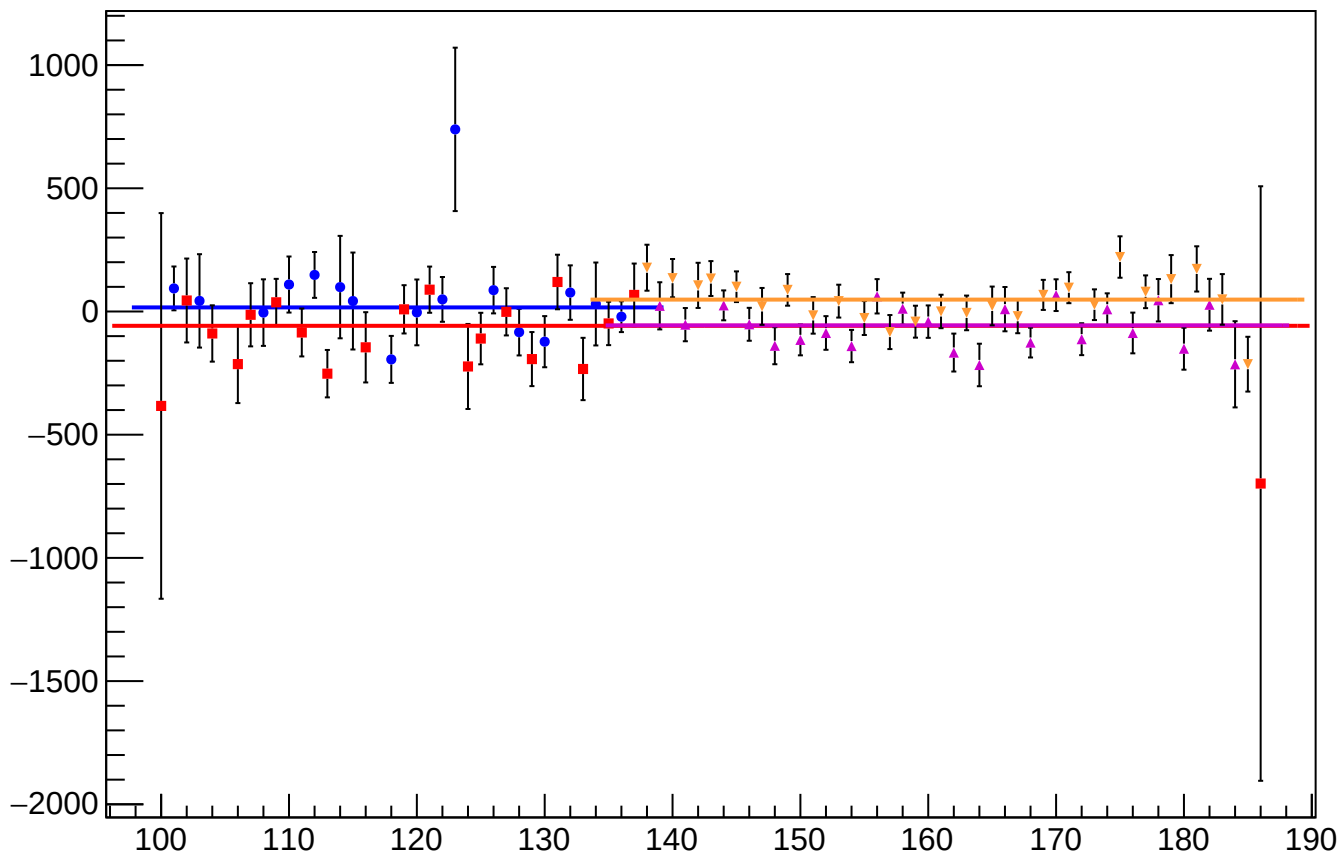
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF: 1344779.5/22

+ sign 188.747 $\pm$ 0.028 χ^2 /NDF: 5510119.4/41

All: 189.731 $\pm$ 0.020 χ^2 /NDF: 11832126.3/84

- sign 190.759 $\pm$ 0.029 χ^2 /NDF: 6319544.3/42

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 16.561 $\pm$ 26.377 χ^2 /NDF: 17.6/16

Left Out: 48.233 $\pm$ 14.616 χ^2 /NDF:29.3/24

Right Out: -58.141 $\pm$ 26.190 χ^2 /NDF: 18.9/19

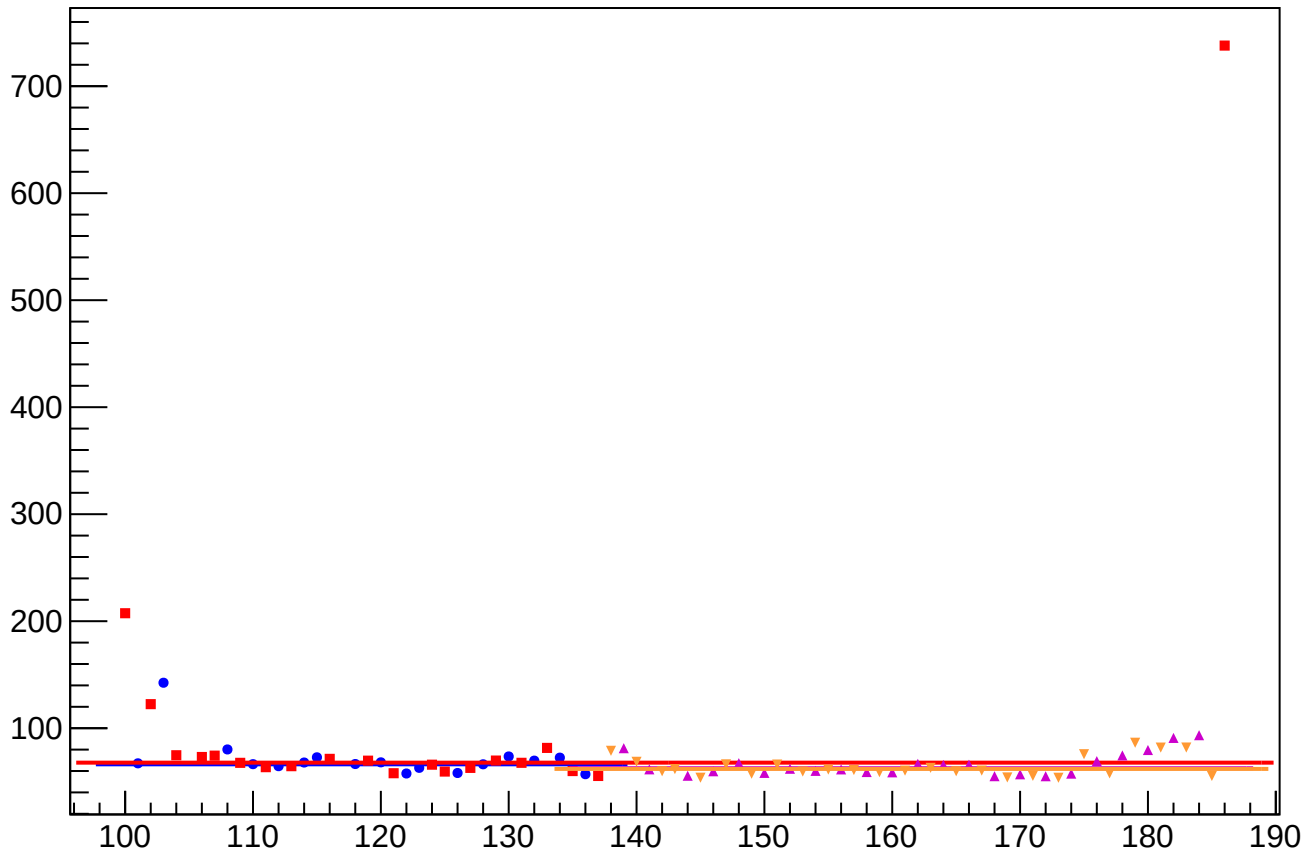
Left In: -56.403 $\pm$ 15.182 χ^2 /NDF:27.5/22

+ sign 40.793 $\pm$ 12.784 χ^2 /NDF: 48.0/41

All: -6.704 $\pm$ 9.161 χ^2 /NDF: 122.7/84

- sign -56.840 $\pm$ 13.135 χ^2 /NDF: 46.4/42

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.252+/-0.019 χ^2/NDF : 439625.4/16

Left Out: 61.946+/-0.010 χ^2/NDF : 604989.2/24

Right Out: 67.809+/-0.019 χ^2/NDF : 1009744.1/19

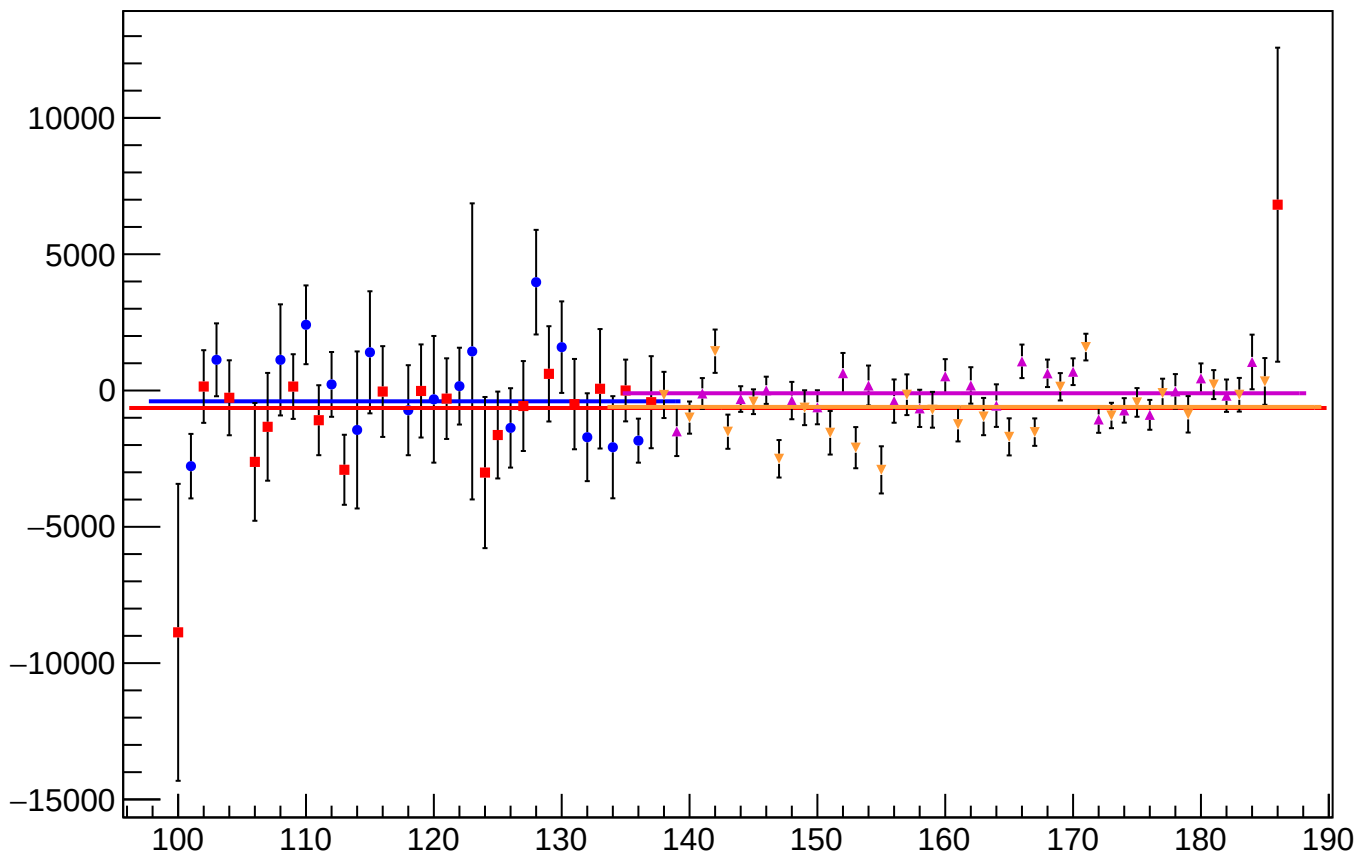
Left In: 62.607+/-0.011 χ^2/NDF : 575516.1/22

+ sign 62.958+/-0.009 χ^2/NDF : 1085394.4/41

All: 63.424+/-0.006 χ^2/NDF : 2735173.9/84

- sign 63.916+/-0.009 χ^2/NDF : 1644321.2/42

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -395.700 ± 367.296 χ^2/NDF : 22.7/16

Left Out: -601.486 ± 122.119 χ^2/NDF : 65.4/24

Right Out: -640.897 ± 361.975 χ^2/NDF : 11.4/19

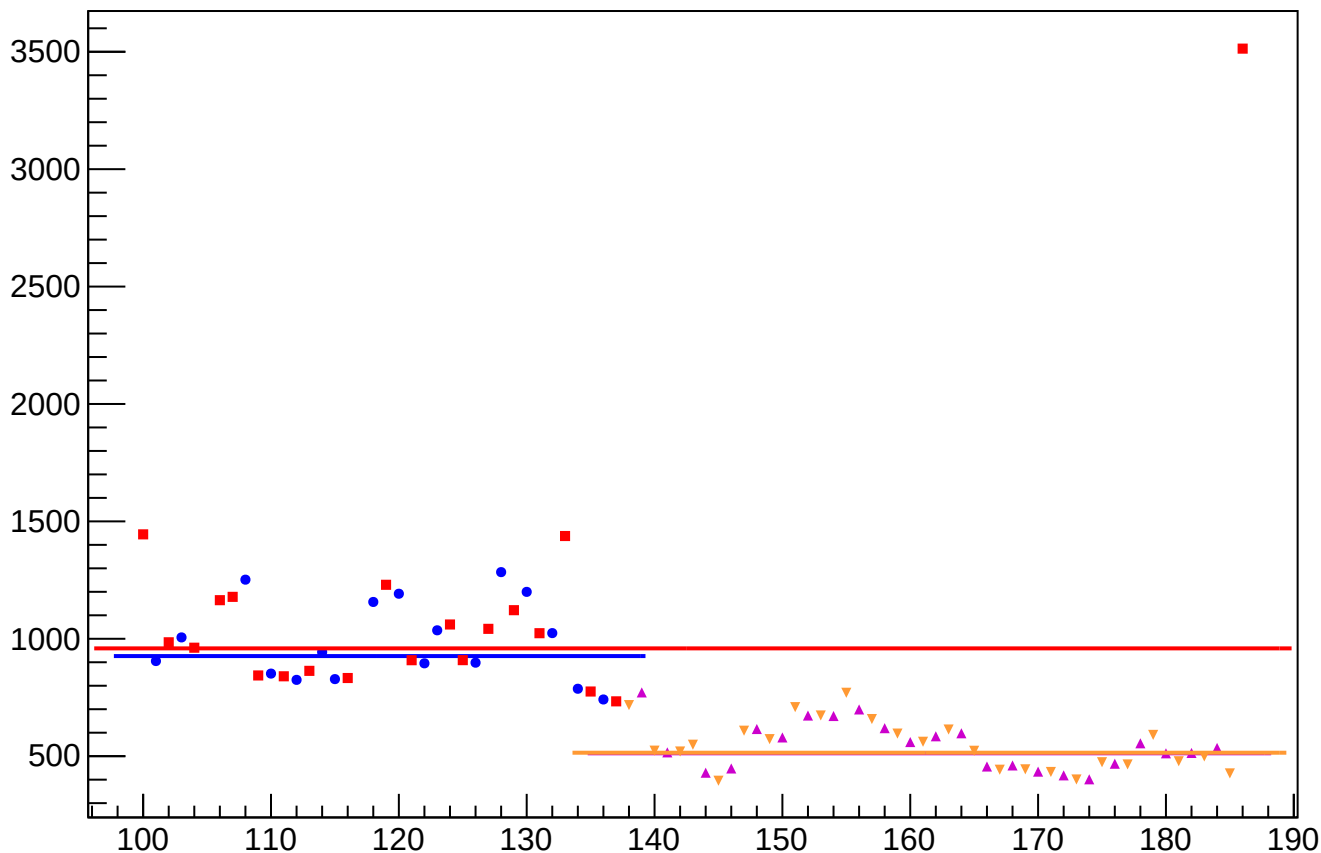
Left In: -100.548 ± 124.725 χ^2/NDF : 25.5/22

+ sign -581.002 ± 115.881 χ^2/NDF : 88.4/41

All: -373.138 ± 82.652 χ^2/NDF : 133.8/84

- sign -157.893 ± 117.921 χ^2/NDF : 38.9/42

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 926.339 $\pm$ 0.260 χ^2 /NDF: 395813.5/16

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 959.108 $\pm$ 0.256 χ^2 /NDF: 777784.7/19

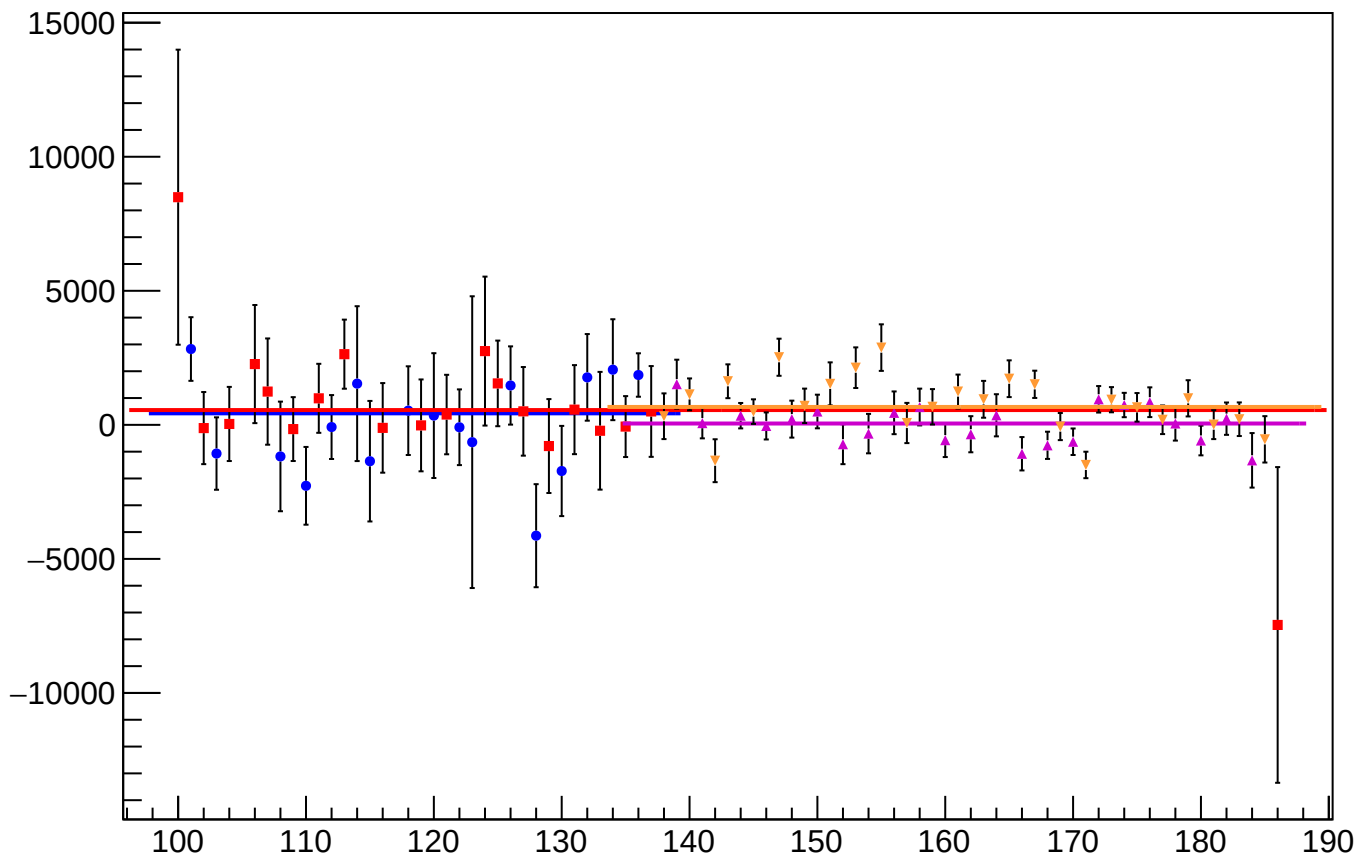
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 555.726 $\pm$ 0.082 χ^2 /NDF: 3852144.8/41

All: 557.643 $\pm$ 0.058 χ^2 /NDF: 8397466.4/84

- sign 559.628 $\pm$ 0.083 χ^2 /NDF: 4544207.8/42

asym_sam_12345678_avg_mean vs Slug



Right In: 429.343+/-368.550 χ^2/NDF : 22.9/16

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: 551.523+/-363.444 χ^2/NDF : 10.4/19

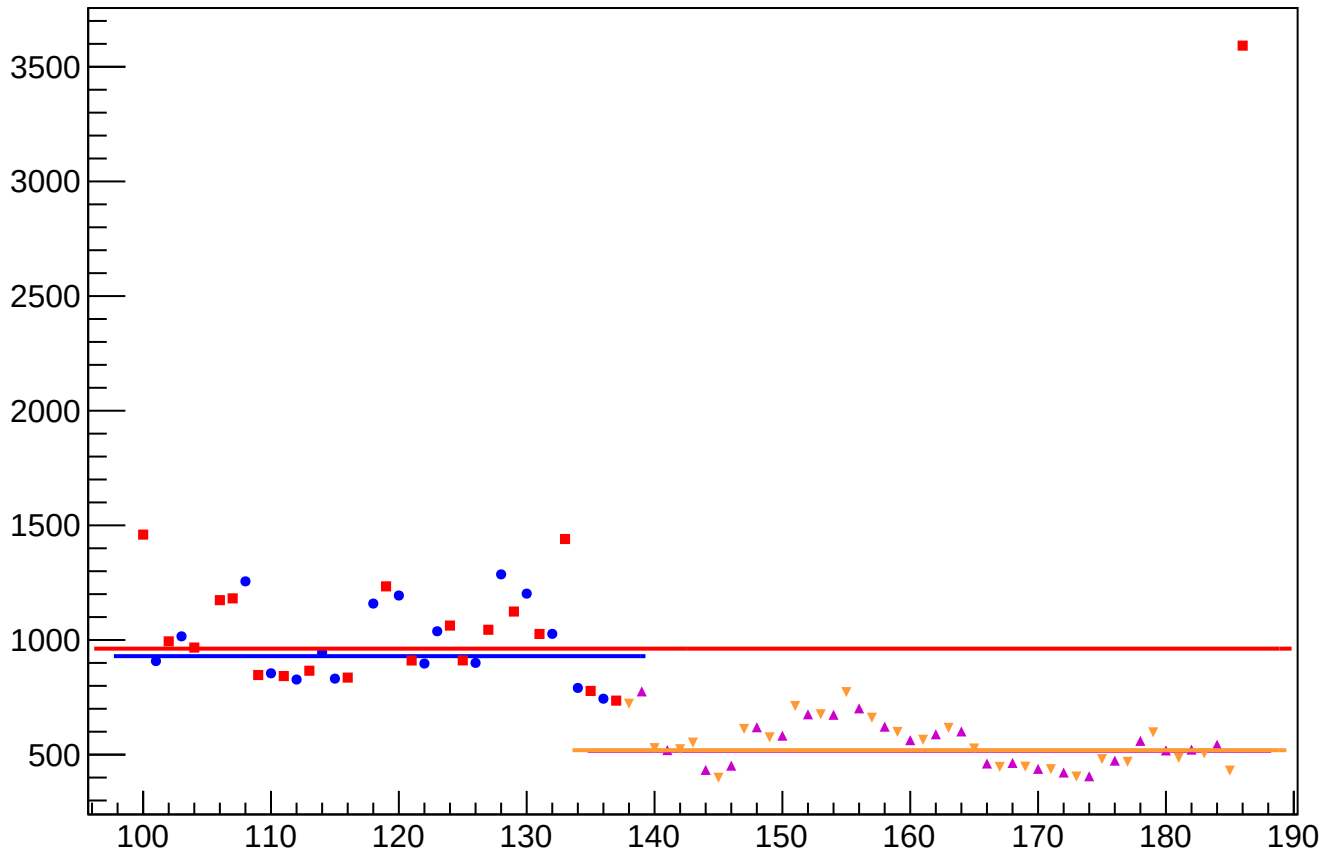
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 643.693+/-116.798 χ^2/NDF : 84.8/41

All: 378.491+/-83.316 χ^2/NDF : 133.5/84

- sign 103.732+/-118.884 χ^2/NDF : 38.2/42

asym_sam_12345678_avg_rms vs Slug



Right In: 929.549+/-0.261 χ^2/NDF : 394903.7/16

Left Out: 519.254+/-0.087 χ^2/NDF :1172411.1/24

+ sign 560.461+/-0.083 χ^2/NDF : 3797101.8/41

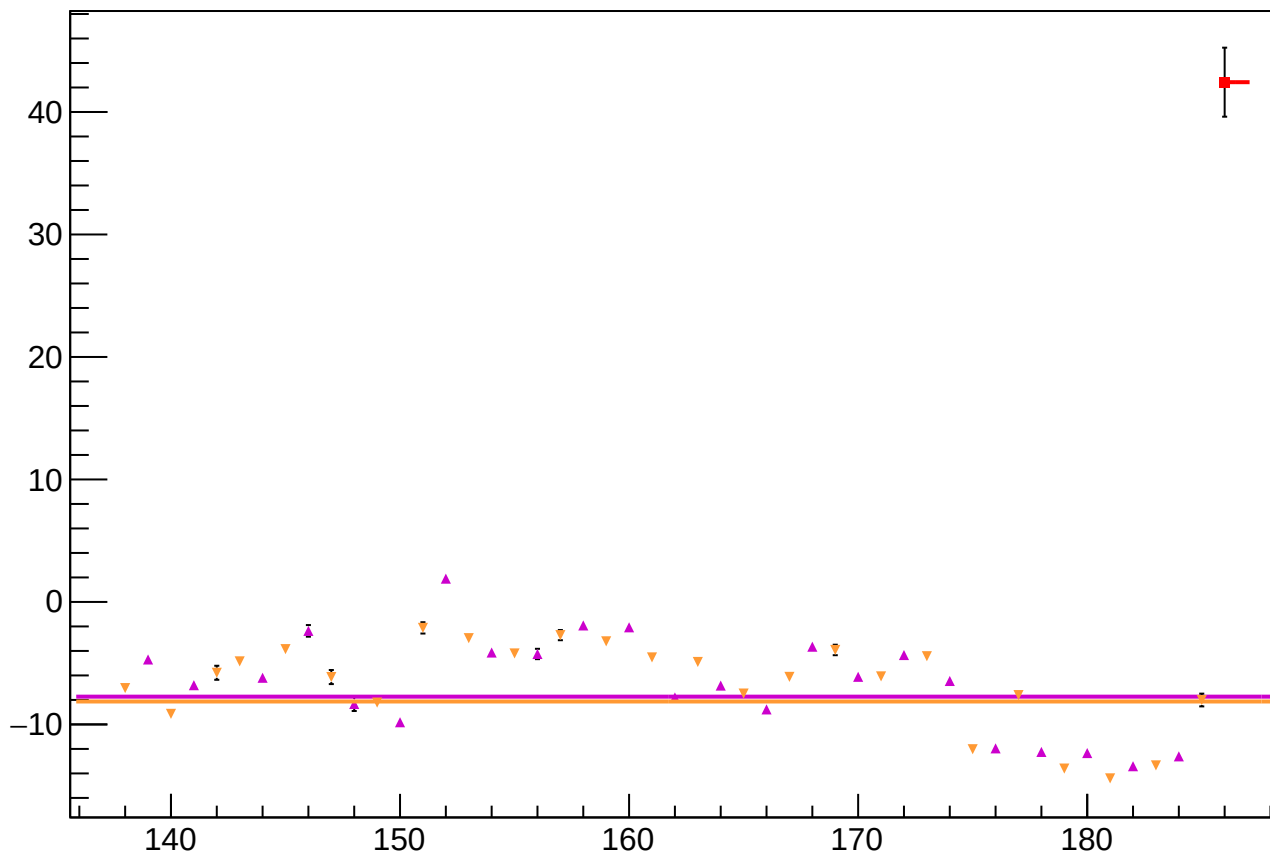
Right Out: 962.342+/-0.257 χ^2/NDF : 783756.2/19

All: 562.427+/-0.059 χ^2/NDF : 8287497.5/84

- sign 564.465+/-0.084 χ^2/NDF : 4489241.7/42

Left In: 516.792+/-0.089 χ^2/NDF :1021374.1/22

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -8.127 $\pm$ 0.067 χ^2 /NDF:3635.5/24

Right Out: 42.434 $\pm$ 2.817 χ^2 /NDF: 0.0/0

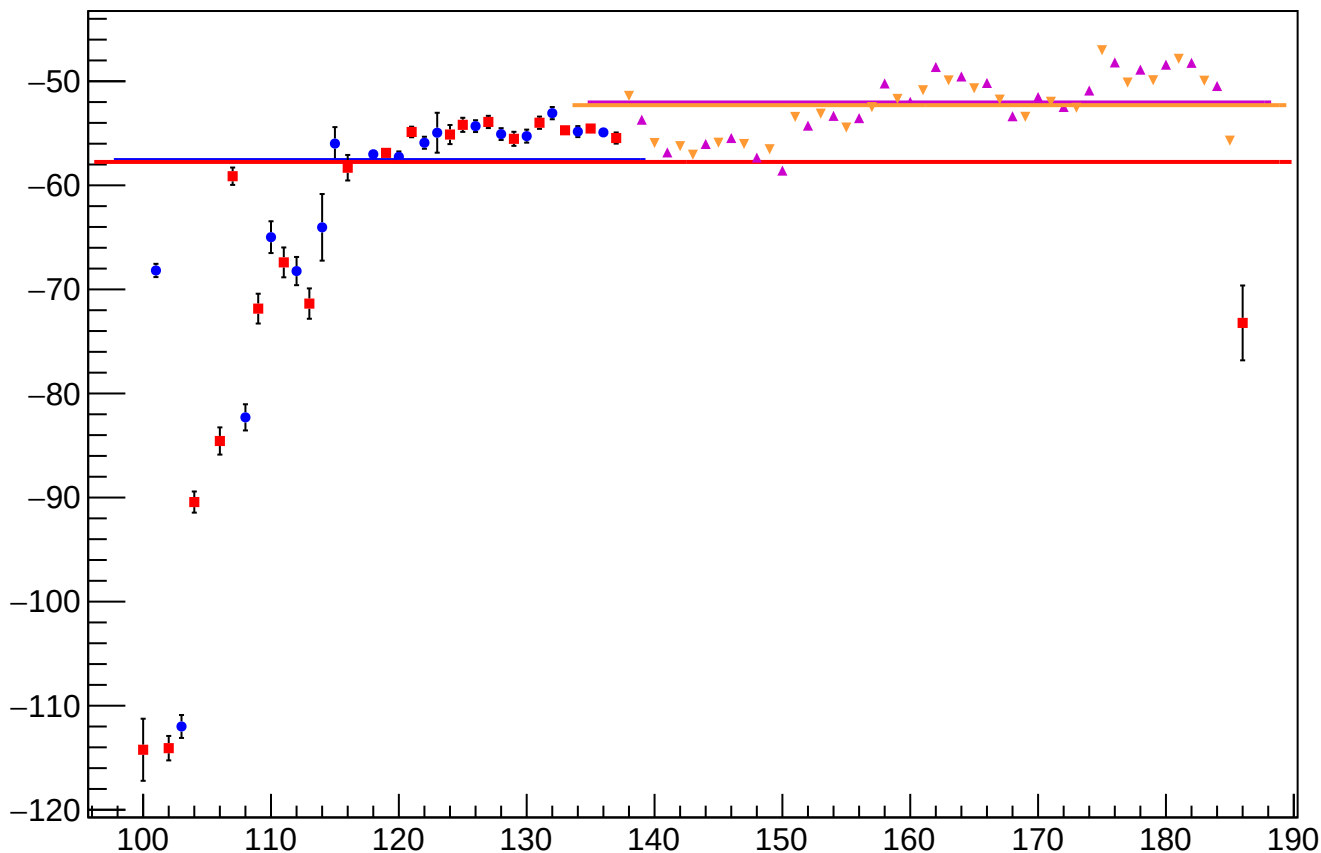
Left In: -7.732 $\pm$ 0.069 χ^2 /NDF:3719.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -7.919 $\pm$ 0.048 χ^2 /NDF: 7690.9/48

- sign -7.702 $\pm$ 0.069 χ^2 /NDF: 4035.9/23

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.574 ± 0.143 χ^2/NDF : 3458.2/16

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -57.753 ± 0.143 χ^2/NDF : 4719.1/19

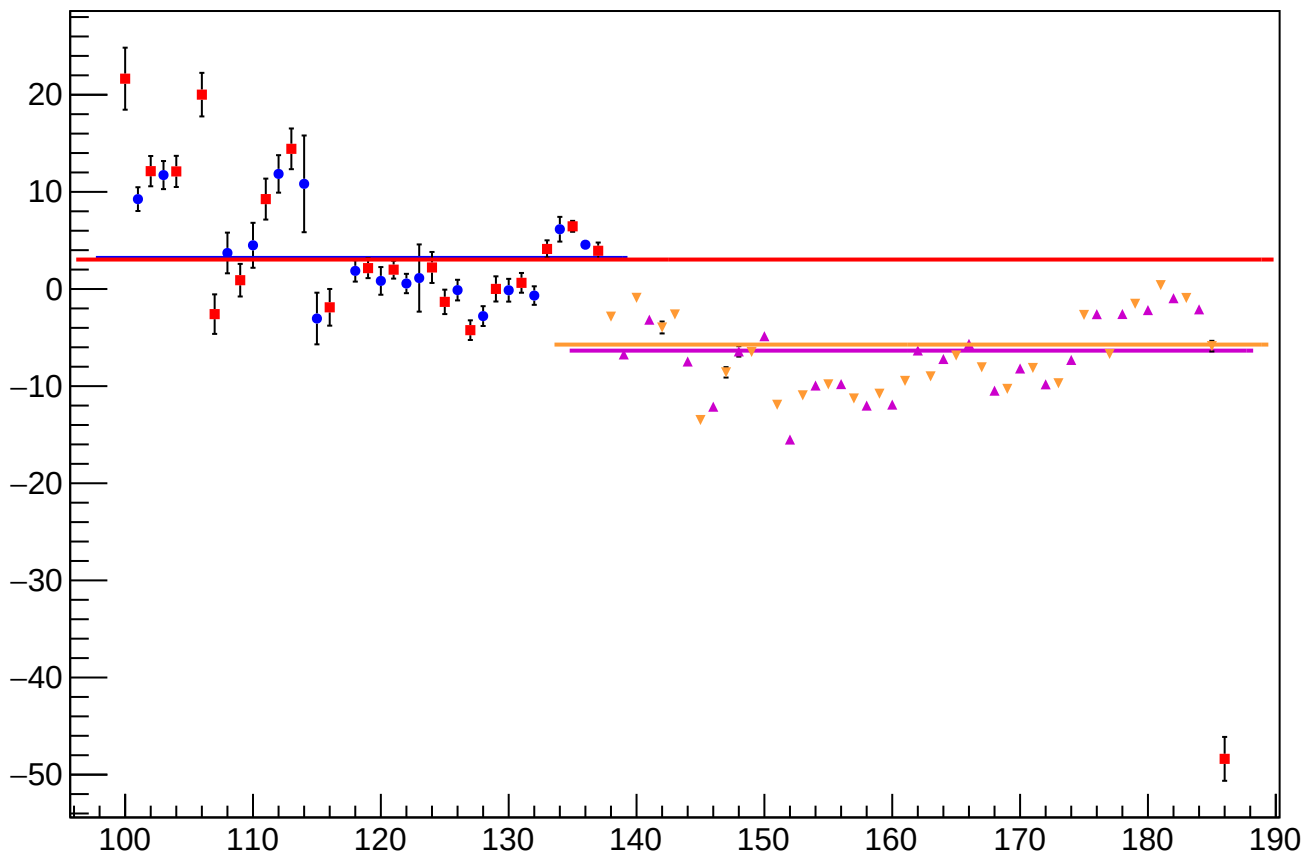
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -52.977 ± 0.051 χ^2/NDF : 7298.9/41

All: -52.903 ± 0.037 χ^2/NDF : 16578.6/84

- sign -52.825 ± 0.053 χ^2/NDF : 9275.4/42

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.200 ± 0.259 χ^2/NDF : 184.7/16

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: 3.034 ± 0.266 χ^2/NDF : 846.2/19

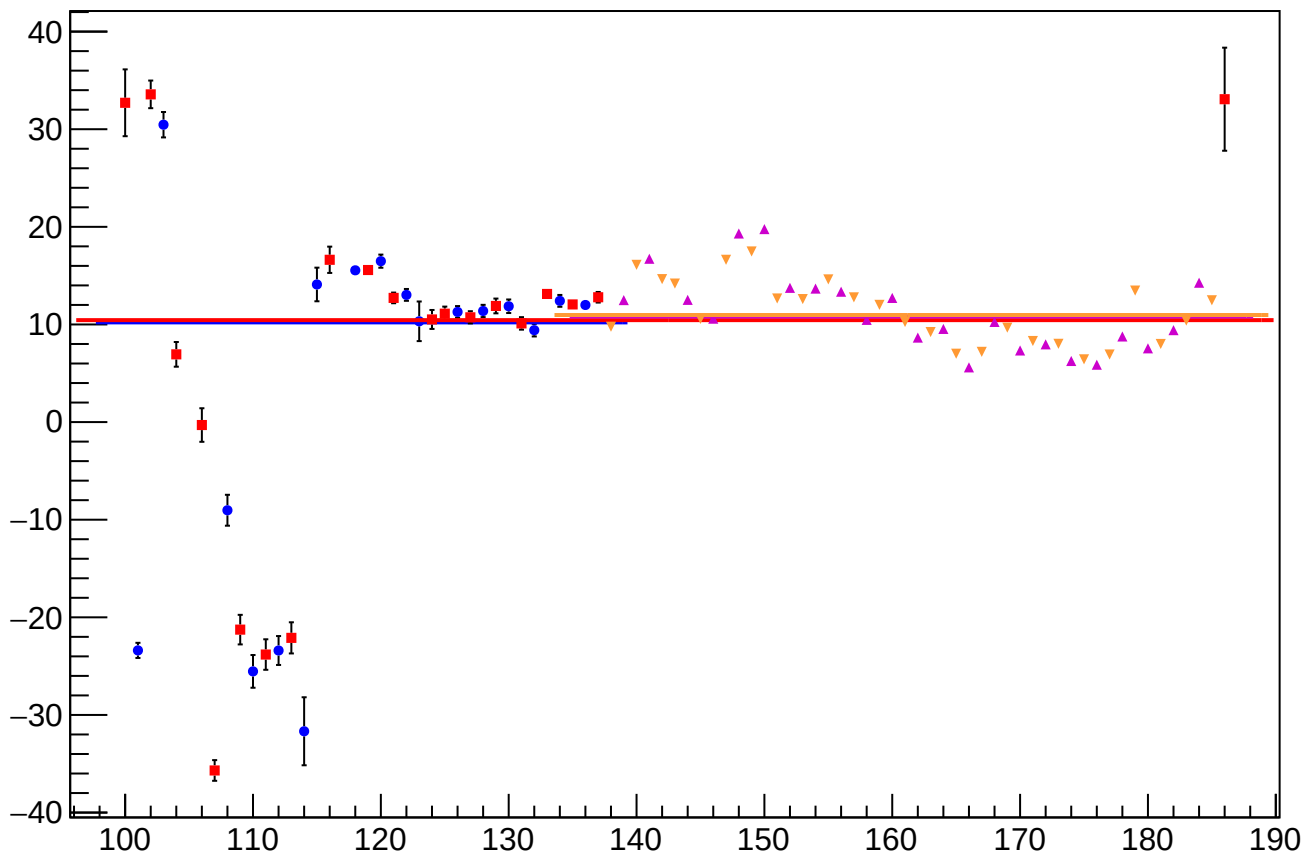
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -5.154 ± 0.065 χ^2/NDF : 5276.5/41

All: -5.452 ± 0.047 χ^2/NDF : 10712.7/84

- sign -5.759 ± 0.066 χ^2/NDF : 5394.1/42

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.213 $\pm$ 0.158 χ^2 /NDF: 3680.0/16

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF:2637.7/24

Right Out: 10.443 $\pm$ 0.160 χ^2 /NDF: 3844.6/19

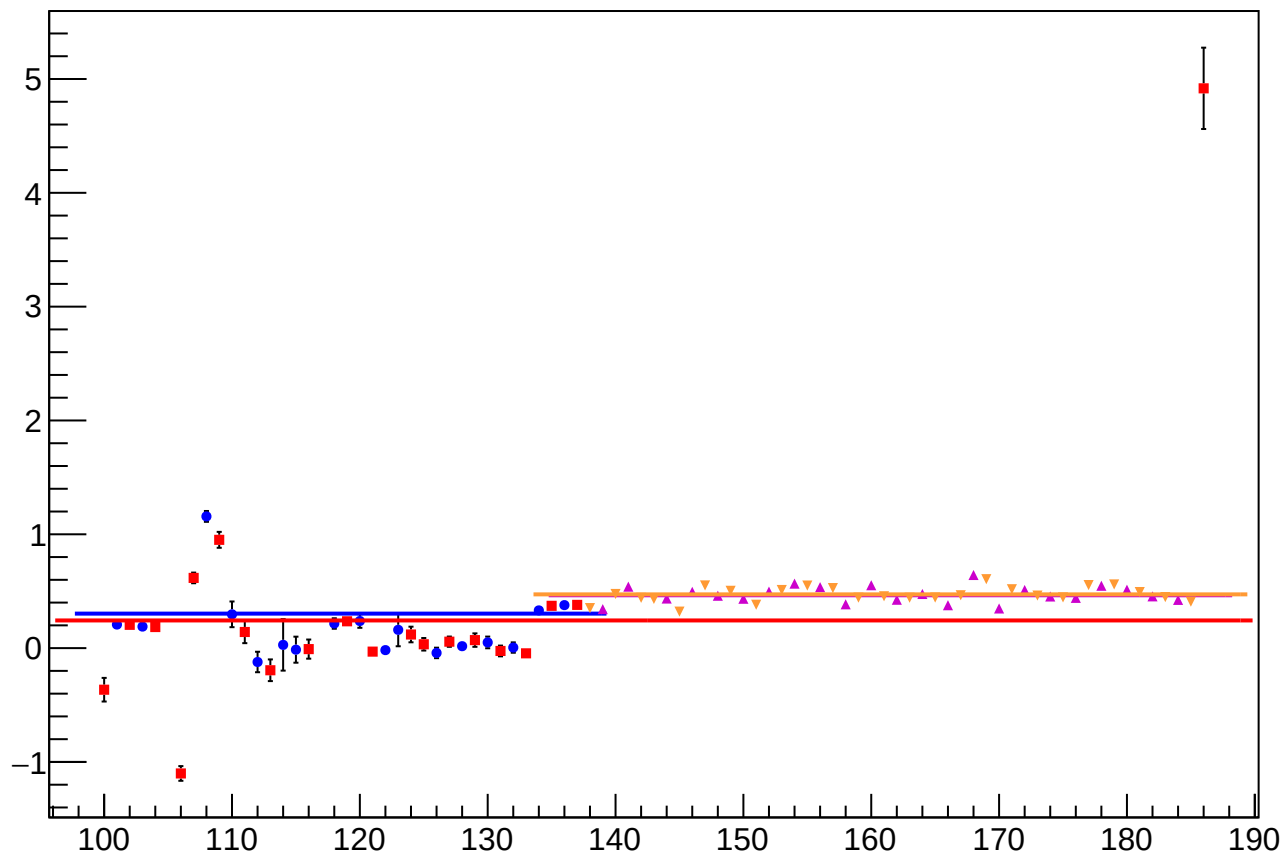
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF:3546.8/22

+ sign 10.869 $\pm$ 0.057 χ^2 /NDF: 6337.4/41

All: 10.817 $\pm$ 0.041 χ^2 /NDF: 13735.1/84

- sign 10.763 $\pm$ 0.059 χ^2 /NDF: 7396.0/42

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 ± 0.008 χ^2/NDF : 647.2/16

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.243 ± 0.009 χ^2/NDF : 1154.6/19

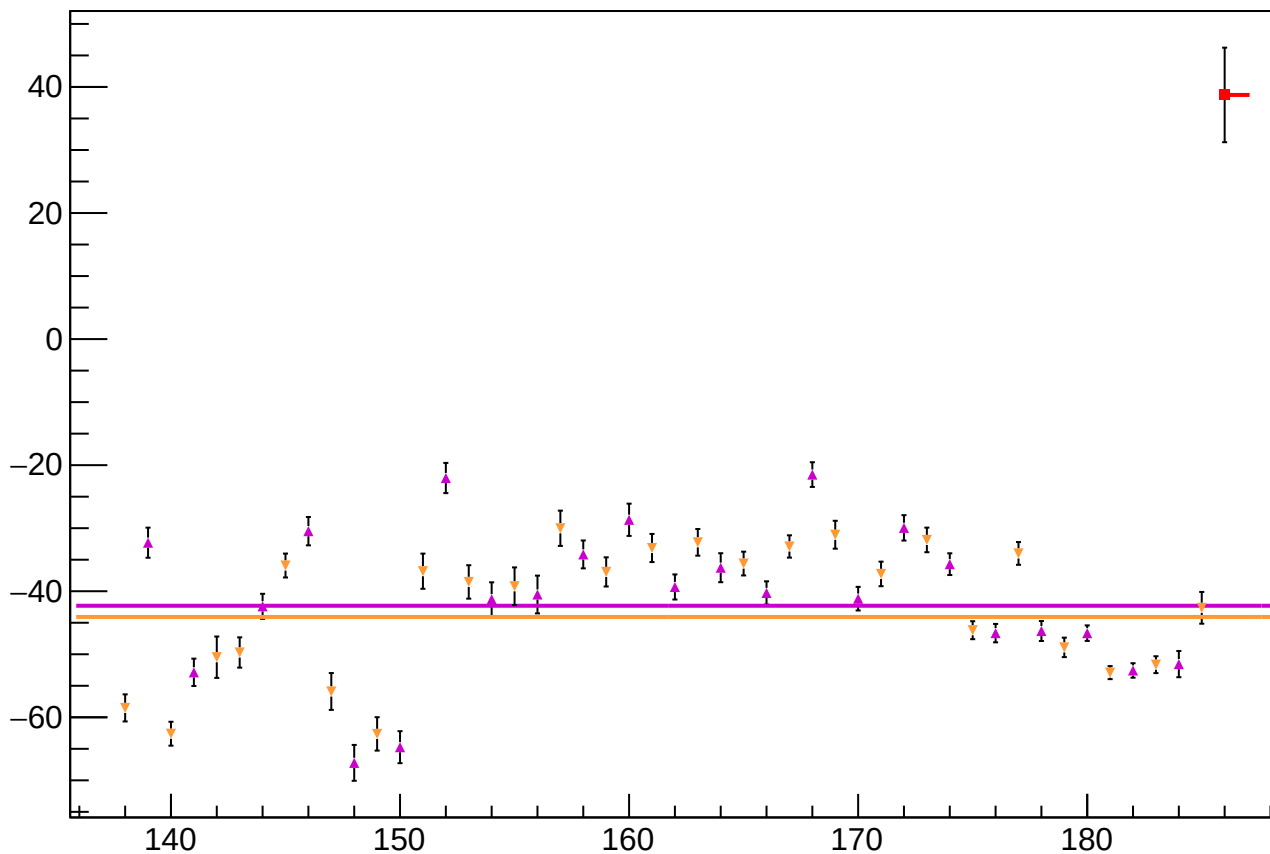
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.455 ± 0.003 χ^2/NDF : 1546.6/41

All: 0.449 ± 0.002 χ^2/NDF : 4052.1/84

- sign 0.443 ± 0.003 χ^2/NDF : 2494.9/42

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -44.077+/-0.389 χ^2/NDF : 632.6/24

Right Out: 38.733+/-7.499 χ^2/NDF : 0.0/0

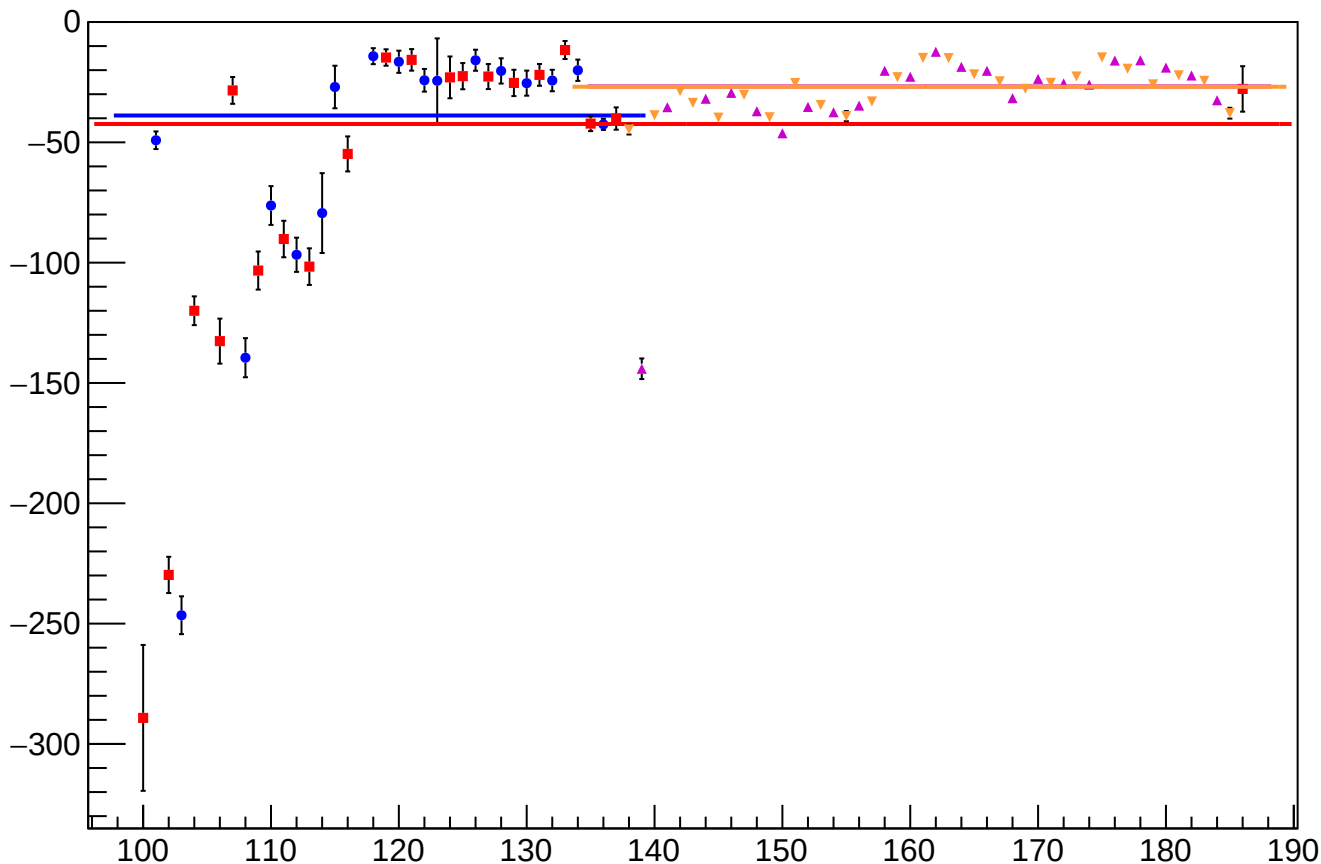
Left In: -42.304+/-0.399 χ^2/NDF : 640.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -43.102+/-0.278 χ^2/NDF : 1402.6/48

- sign -42.075+/-0.399 χ^2/NDF : 757.1/23

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.852 ± 1.150 χ^2/NDF : 1121.7/16

Left Out: -26.902 ± 0.316 χ^2/NDF : 631.0/24

Right Out: -42.376 ± 1.202 χ^2/NDF : 1348.0/19

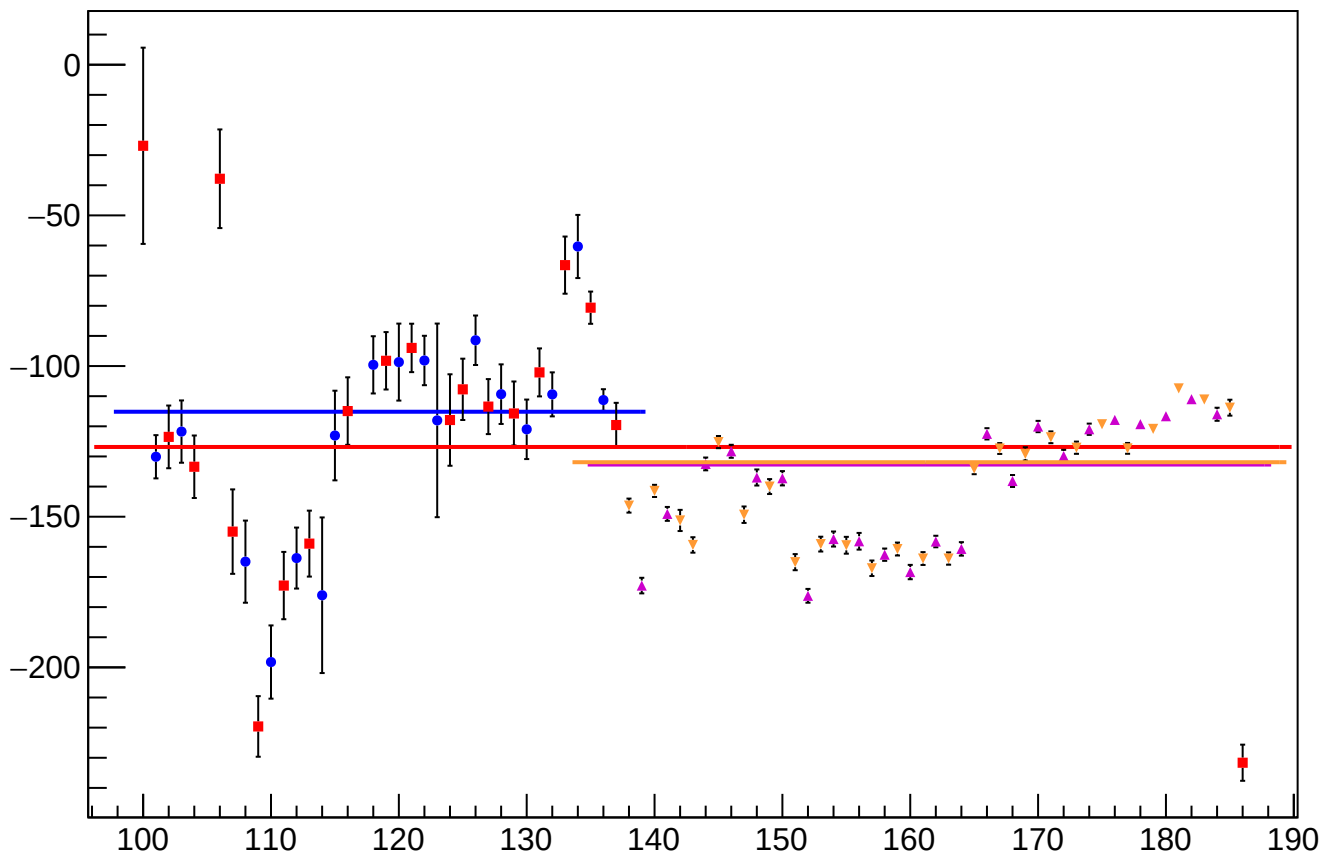
Left In: -26.774 ± 0.326 χ^2/NDF : 1394.5/22

+ sign -27.743 ± 0.305 χ^2/NDF : 1853.2/41

All: -27.792 ± 0.219 χ^2/NDF : 4752.7/84

- sign -27.844 ± 0.315 χ^2/NDF : 2899.5/42

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.163 $\pm$ 2.084 χ^2 /NDF: 140.5/16

Left Out: -131.912 $\pm$ 0.391 χ^2 /NDF: 2439.3/24

Right Out: -126.855 $\pm$ 2.076 χ^2 /NDF: 619.2/19

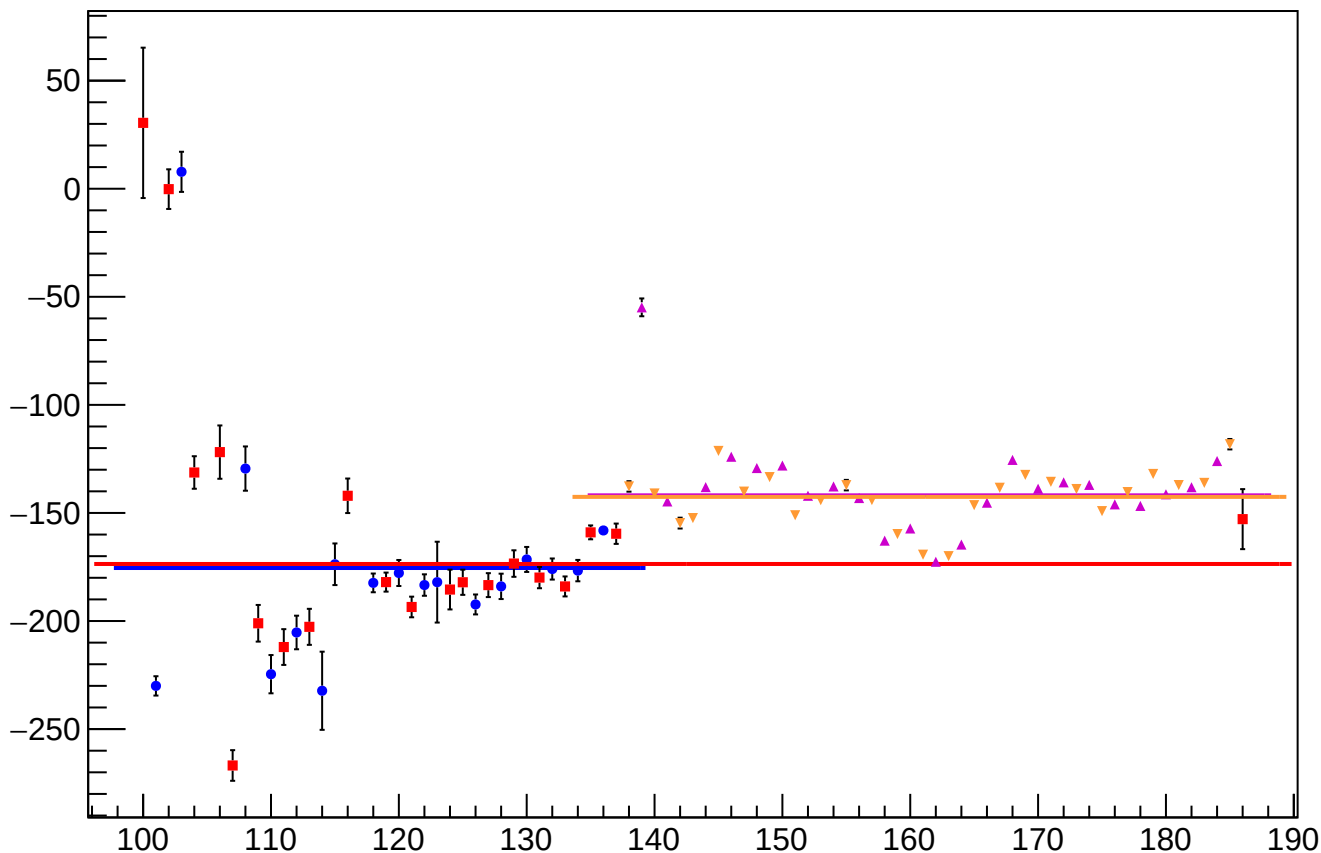
Left In: -132.690 $\pm$ 0.399 χ^2 /NDF: 2480.2/22

+ sign -131.341 $\pm$ 0.385 χ^2 /NDF: 2642.2/41

All: -131.900 $\pm$ 0.275 χ^2 /NDF: 5753.6/84

- sign -132.481 $\pm$ 0.392 χ^2 /NDF: 3107.1/42

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.476 ± 1.279 χ^2/NDF : 691.2/16

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -173.610 ± 1.352 χ^2/NDF : 740.2/19

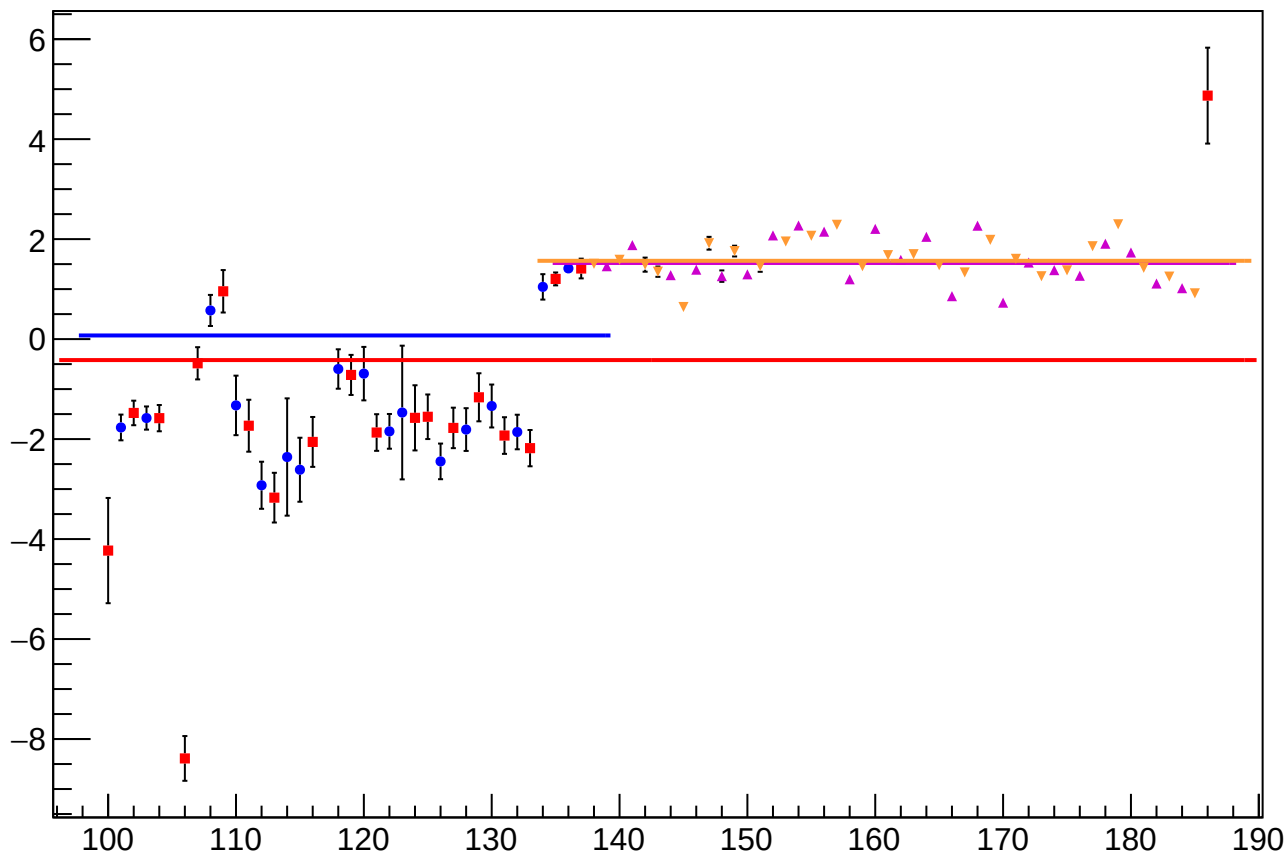
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -144.907 ± 0.341 χ^2/NDF : 2454.2/41

All: -144.466 ± 0.245 χ^2/NDF : 5256.2/84

- sign -143.999 ± 0.351 χ^2/NDF : 2798.6/42

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.073 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: -0.420 ± 0.071 χ^2/NDF : 781.3/19

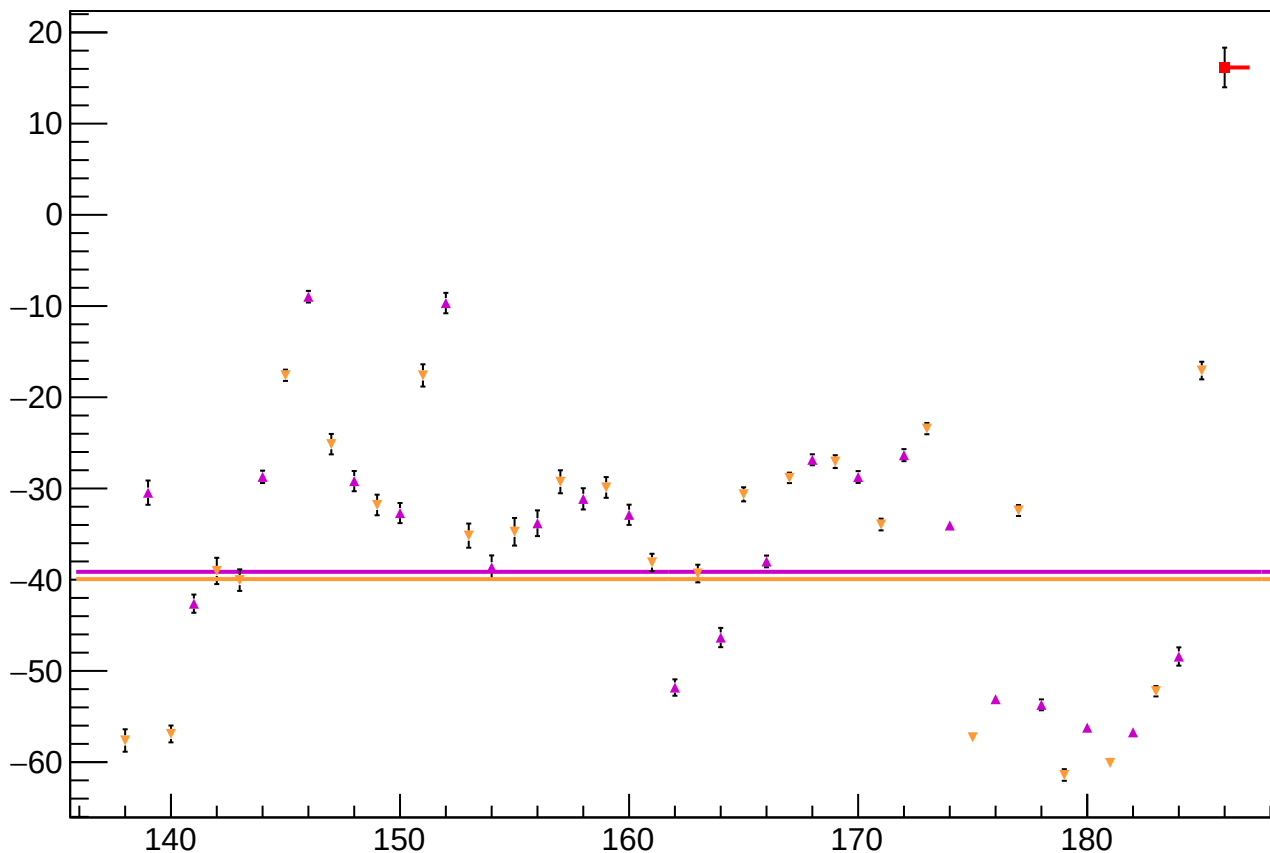
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.484 ± 0.016 χ^2/NDF : 1534.9/41

All: 1.455 ± 0.011 χ^2/NDF : 3768.3/84

- sign 1.424 ± 0.016 χ^2/NDF : 2226.1/42

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -39.935 $\pm$ 0.153 χ^2 /NDF:9806.5/24

Right Out: 16.154 $\pm$ 2.172 χ^2 /NDF: 0.0/0

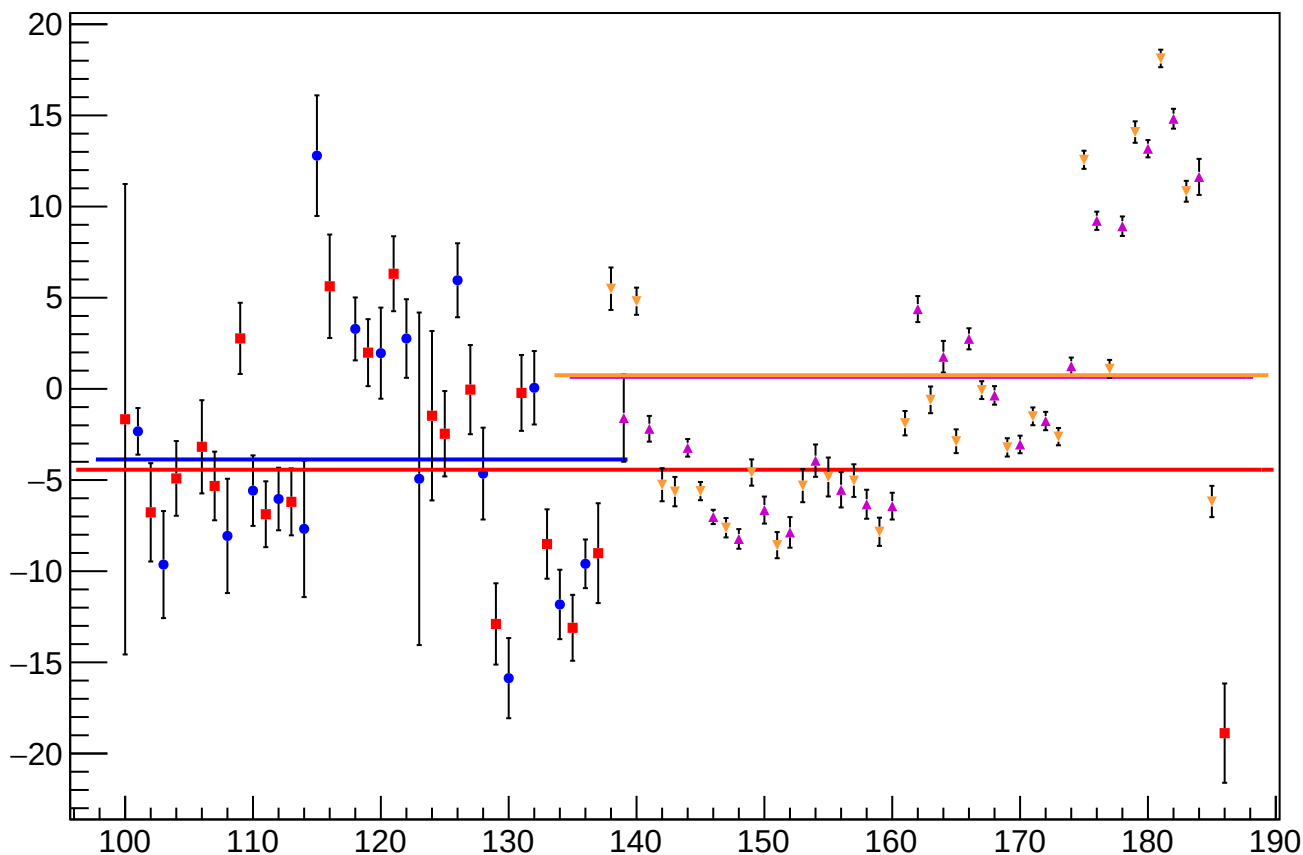
Left In: -39.137 $\pm$ 0.155 χ^2 /NDF:8534.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -39.400 $\pm$ 0.109 χ^2 /NDF: 19010.2/48

- sign -38.858 $\pm$ 0.154 χ^2 /NDF: 9179.1/23

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.872 ± 0.499 $\chi^2/\text{NDF}: 161.0/16$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -4.435 ± 0.499 $\chi^2/\text{NDF}: 151.2/19$

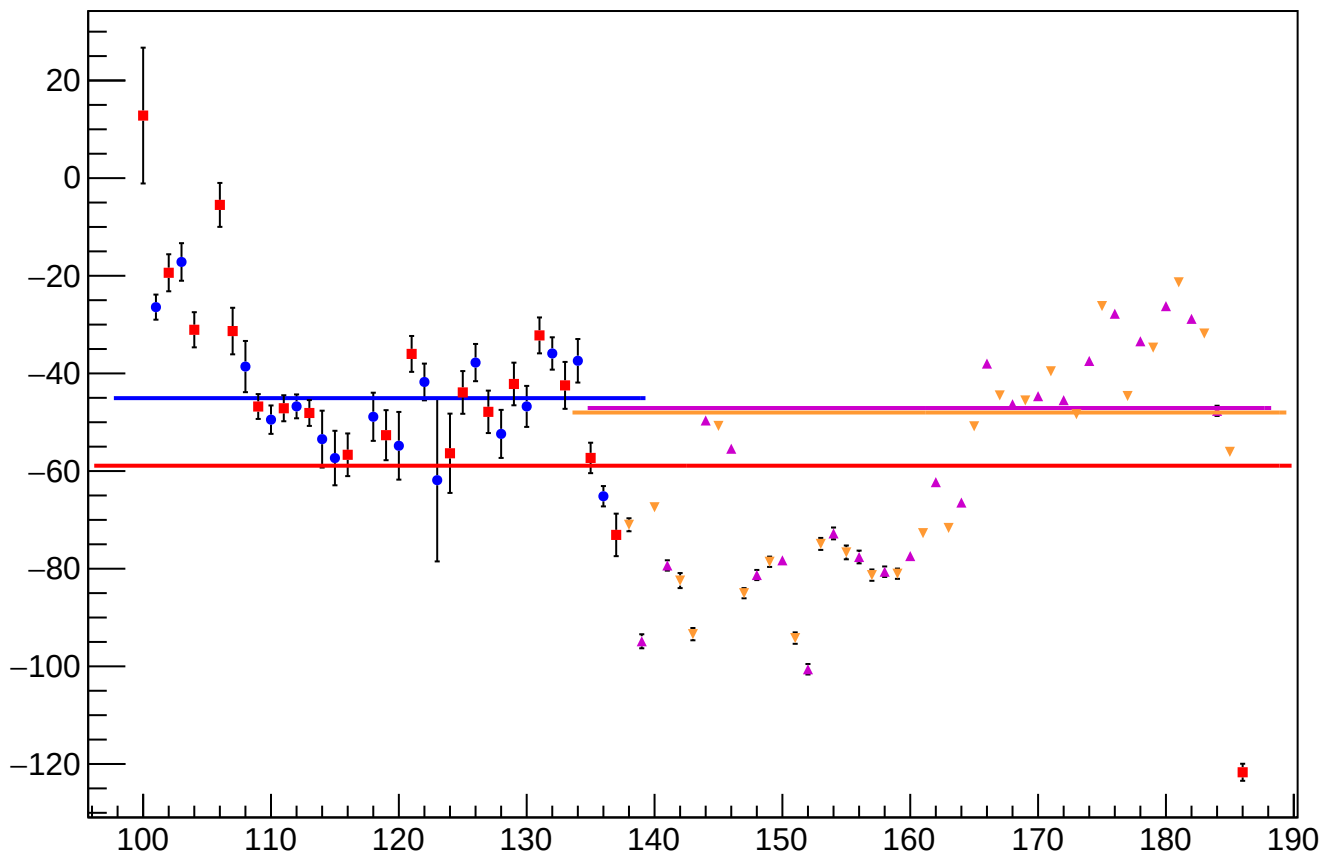
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.480 ± 0.121 $\chi^2/\text{NDF}: 4212.5/41$

All: 0.421 ± 0.085 $\chi^2/\text{NDF}: 7800.1/84$

- sign 0.362 ± 0.121 $\chi^2/\text{NDF}: 3587.2/42$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.063 ± 0.885 χ^2/NDF : 230.3/16

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -58.902 ± 0.785 χ^2/NDF : 1872.4/19

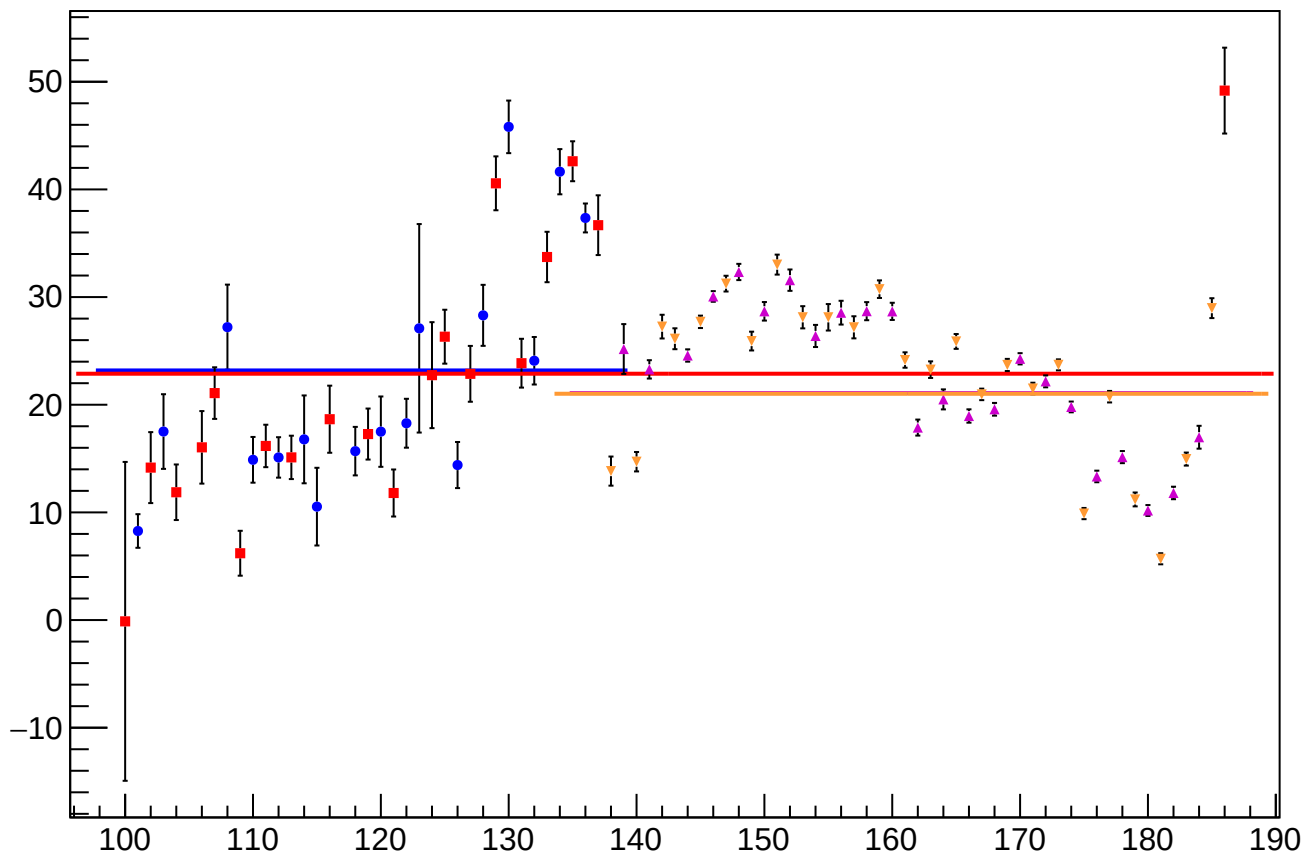
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -47.920 ± 0.152 χ^2/NDF : 17191.1/41

All: -47.725 ± 0.108 χ^2/NDF : 34800.0/84

- sign -47.530 ± 0.152 χ^2/NDF : 17605.6/42

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.185 $\pm$ 0.560 χ^2 /NDF: 456.9/16

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF: 2799.3/24

Right Out: 22.881 $\pm$ 0.568 χ^2 /NDF: 410.7/19

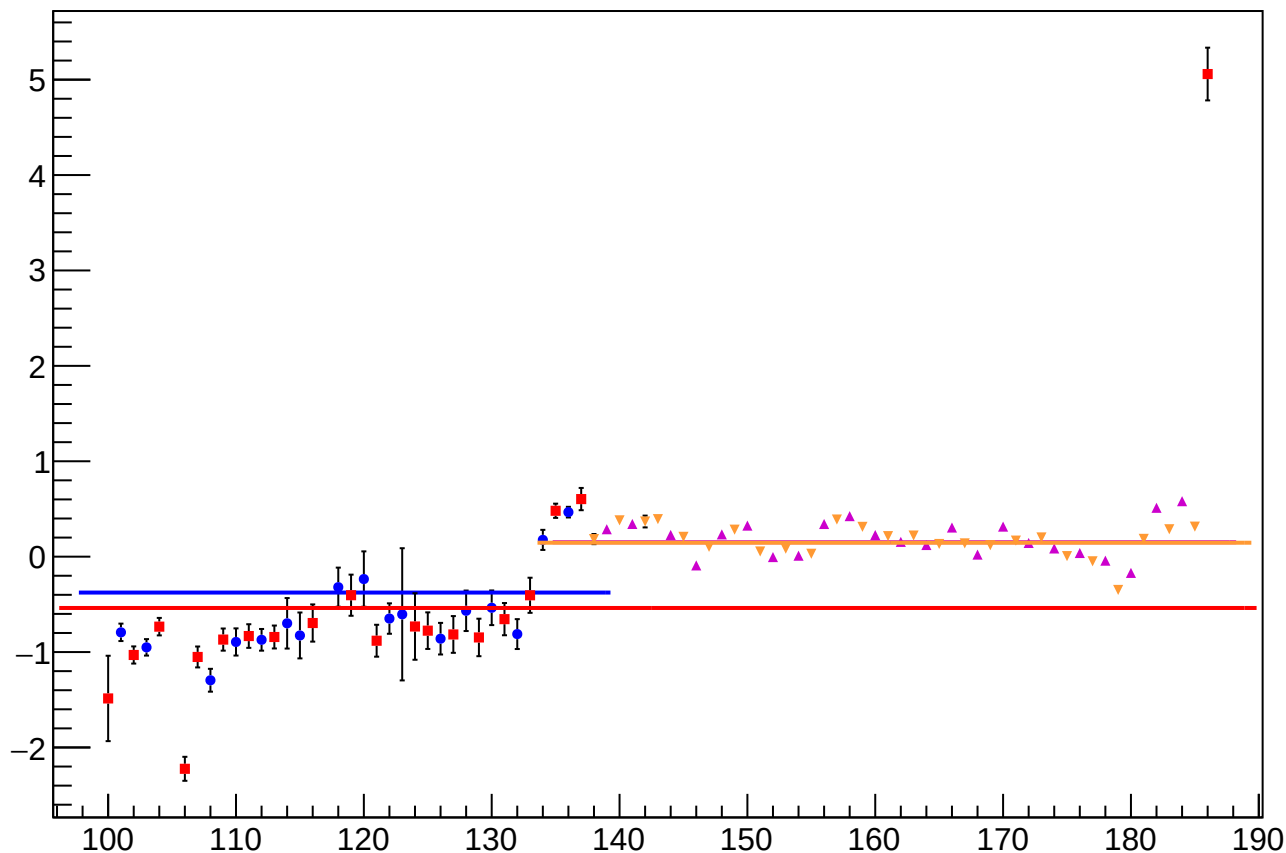
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF: 2173.2/22

+ sign 21.145 $\pm$ 0.135 χ^2 /NDF: 3270.3/41

All: 21.163 $\pm$ 0.096 χ^2 /NDF: 5863.7/84

- sign 21.182 $\pm$ 0.136 χ^2 /NDF: 2593.4/42

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.6/16$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.538 ± 0.030 $\chi^2/\text{NDF}: 966.2/19$

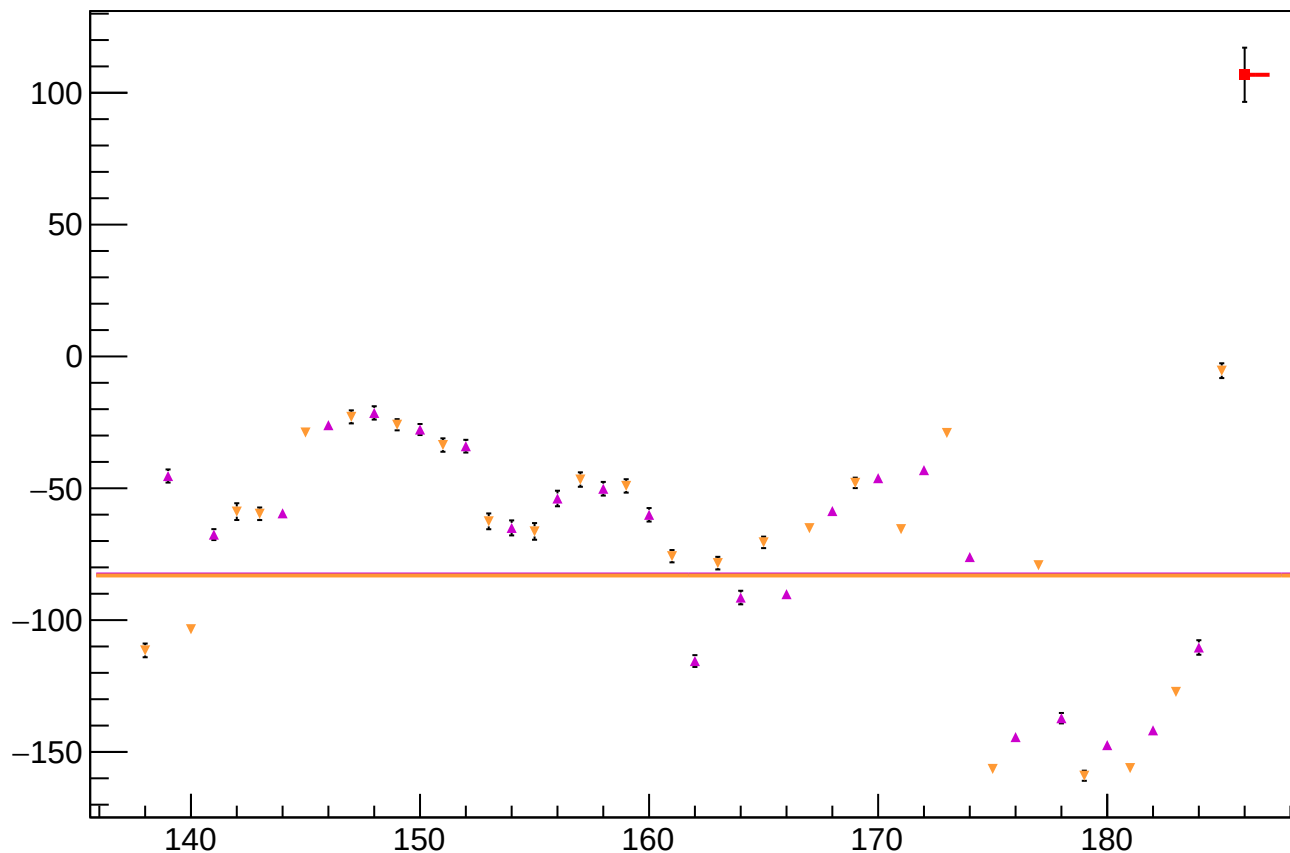
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.124 ± 0.006 $\chi^2/\text{NDF}: 1335.4/41$

All: 0.123 ± 0.004 $\chi^2/\text{NDF}: 3673.5/84$

- sign 0.121 ± 0.006 $\chi^2/\text{NDF}: 2338.0/42$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -83.068+/-0.406 χ^2/NDF :13817.3/24

Right Out: 106.825+/-10.282 χ^2/NDF : 0.0/0

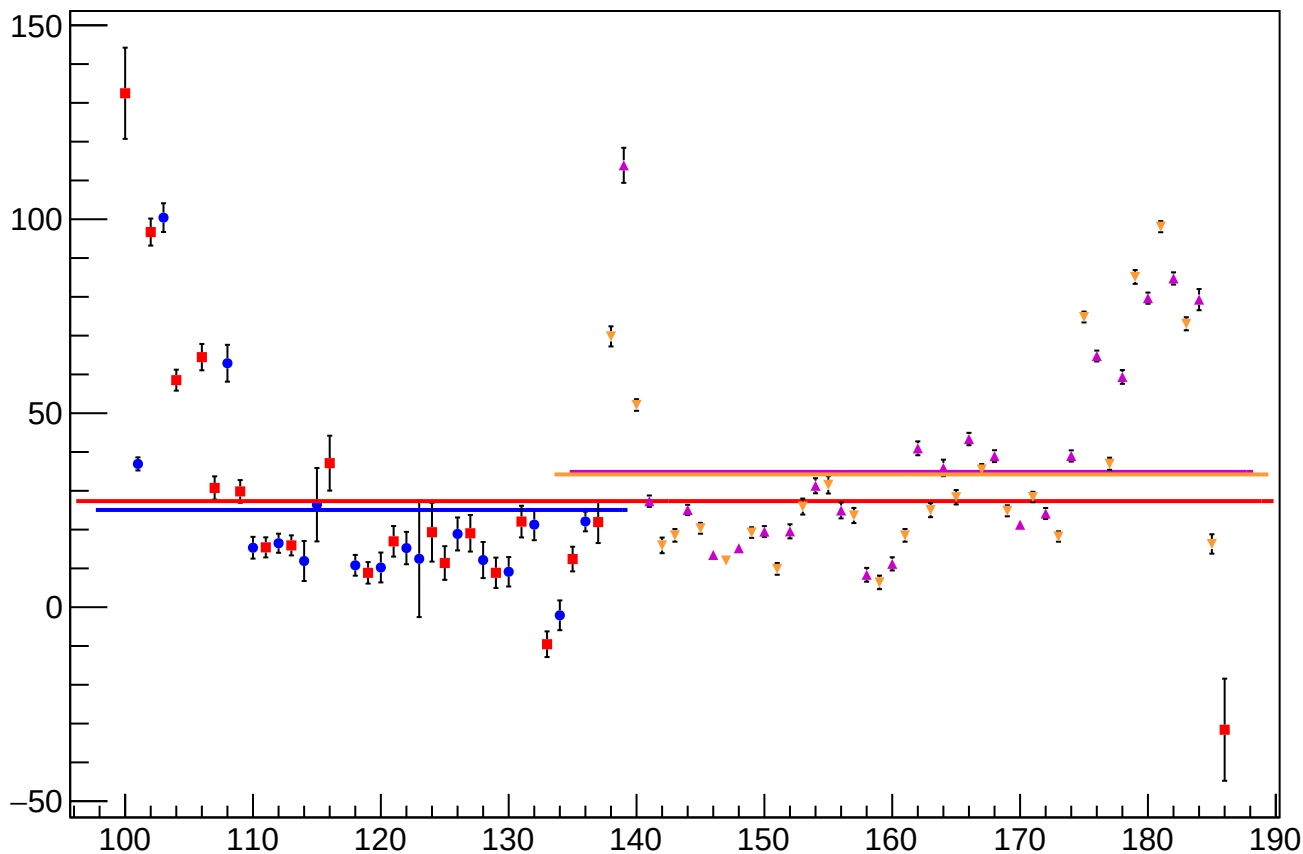
Left In: -82.711+/-0.415 χ^2/NDF :10841.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -82.742+/-0.290 χ^2/NDF : 24999.3/48

- sign -82.402+/-0.415 χ^2/NDF : 11180.6/23

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.063 ± 0.808 χ^2/NDF : 686.5/16

Left Out: 34.219 ± 0.320 χ^2/NDF : 6192.6/24

Right Out: 27.344 ± 0.809 χ^2/NDF : 1033.7/19

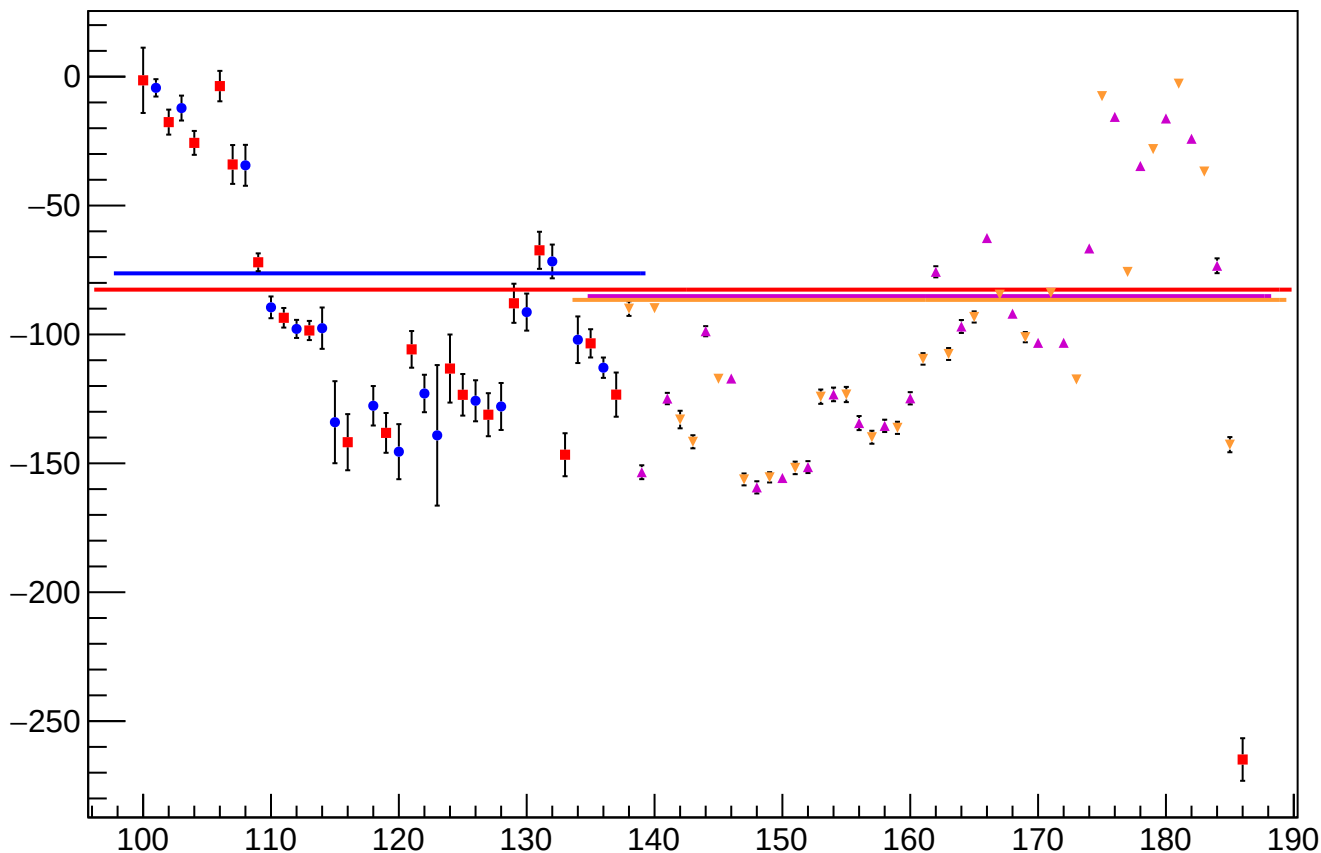
Left In: 34.870 ± 0.329 χ^2/NDF : 4716.1/22

+ sign 32.975 ± 0.298 χ^2/NDF : 6990.2/41

All: 33.378 ± 0.213 χ^2/NDF : 12817.9/84

- sign 33.801 ± 0.305 χ^2/NDF : 5824.0/42

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.304 ± 1.419 $\chi^2/\text{NDF}: 1030.8/16$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -82.617 ± 1.336 $\chi^2/\text{NDF}: 1372.6/19$

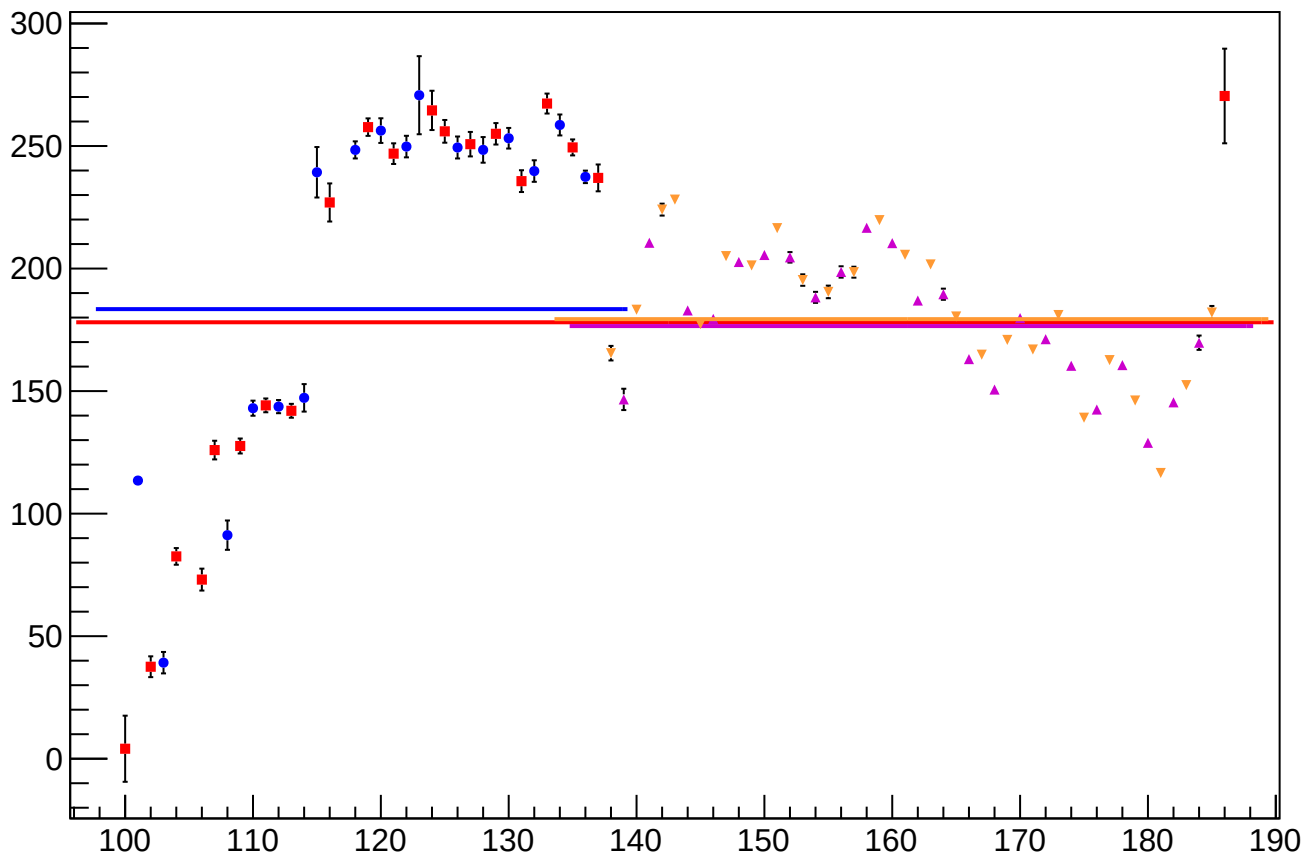
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -85.807 ± 0.392 $\chi^2/\text{NDF}: 15595.1/41$

All: -85.365 ± 0.279 $\chi^2/\text{NDF}: 29814.8/84$

- sign -84.913 ± 0.396 $\chi^2/\text{NDF}: 14217.2/42$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.448 $\pm$ 0.920 χ^2 /NDF: 5318.3/16

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 178.080 $\pm$ 0.924 χ^2 /NDF: 6359.5/19

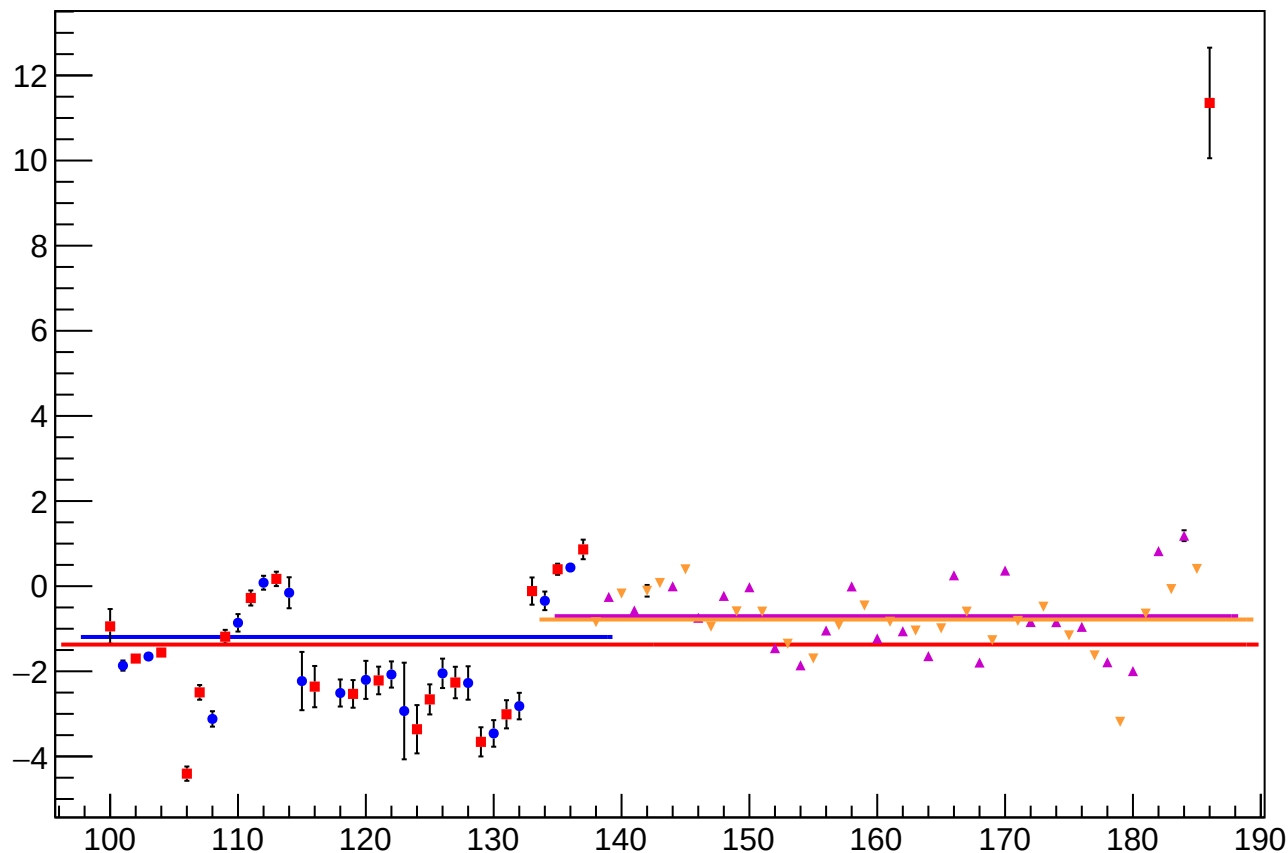
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 179.907 $\pm$ 0.337 χ^2 /NDF: 11317.6/41

All: 178.361 $\pm$ 0.241 χ^2 /NDF: 22148.5/84

- sign 176.746 $\pm$ 0.344 χ^2 /NDF: 10787.9/42

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 620.4/16

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.372 ± 0.046 χ^2/NDF : 1015.6/19

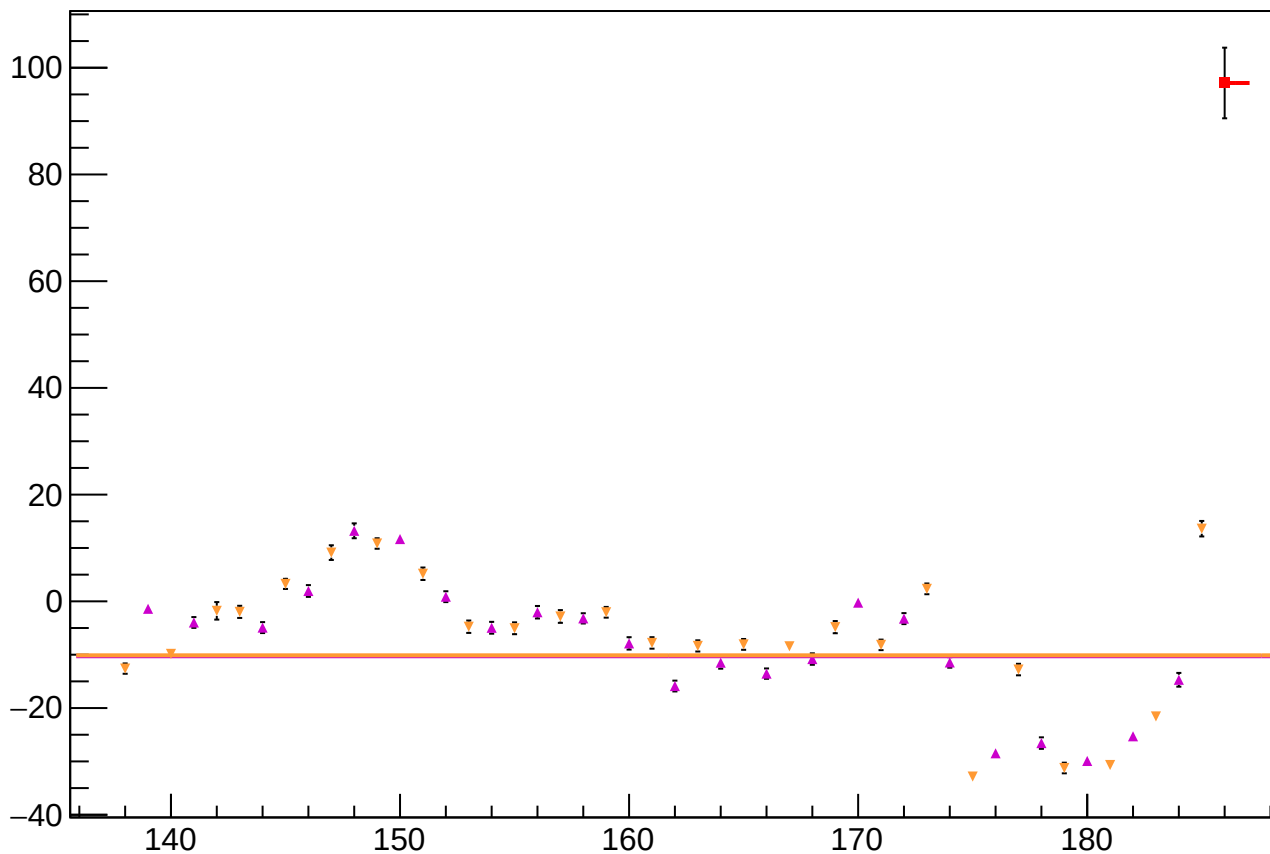
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.827 ± 0.016 χ^2/NDF : 2456.7/41

All: -0.806 ± 0.011 χ^2/NDF : 6069.9/84

- sign -0.785 ± 0.016 χ^2/NDF : 3609.7/42

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -10.117+/-0.201 χ^2/NDF : 4138.1/24

Right Out: 97.143+/-6.619 χ^2/NDF : 0.0/0

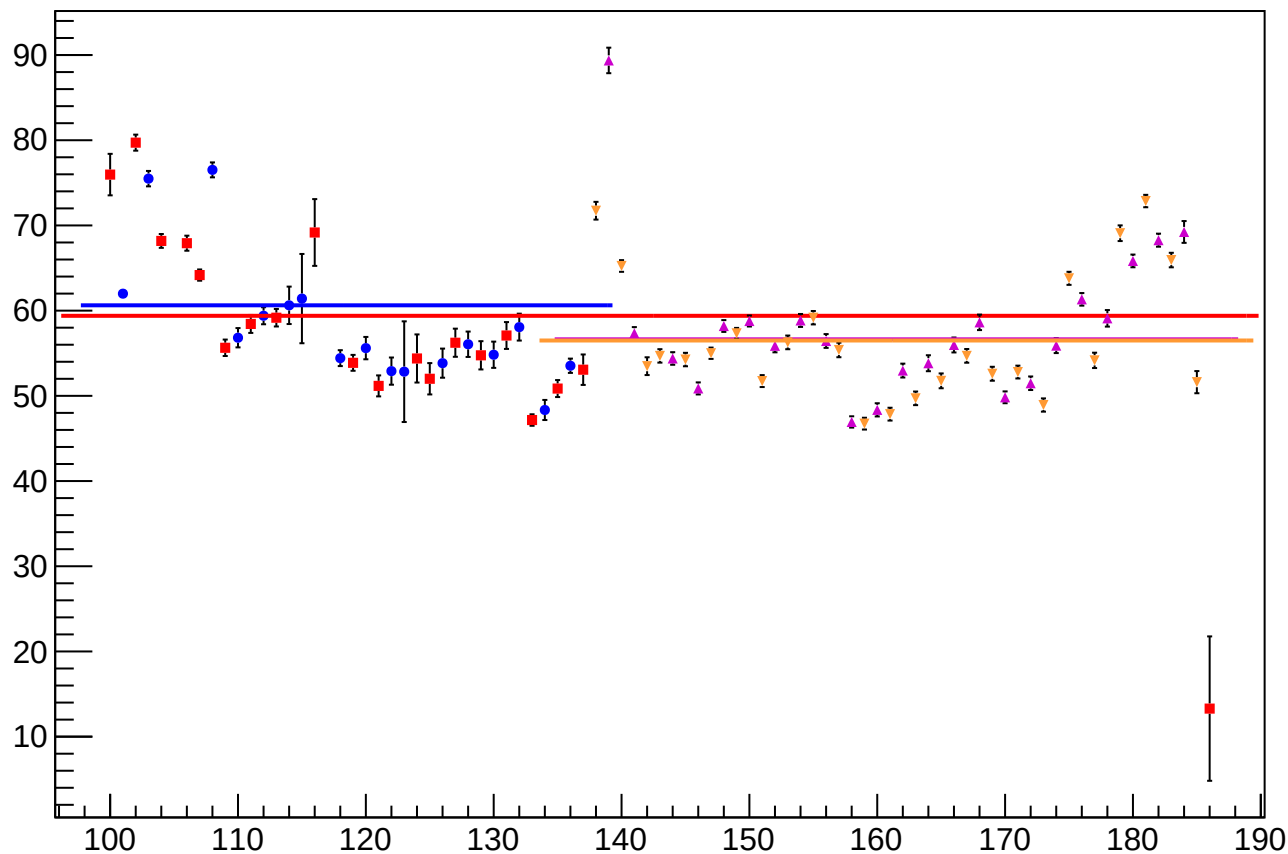
Left In: -10.290+/-0.205 χ^2/NDF : 3451.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -10.151+/-0.144 χ^2/NDF : 7852.4/48

- sign -10.187+/-0.205 χ^2/NDF : 3714.2/23

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.626 $\pm$ 0.263 χ^2 /NDF: 924.5/16

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF: 1968.0/24

Right Out: 59.393 $\pm$ 0.248 χ^2 /NDF: 1354.8/19

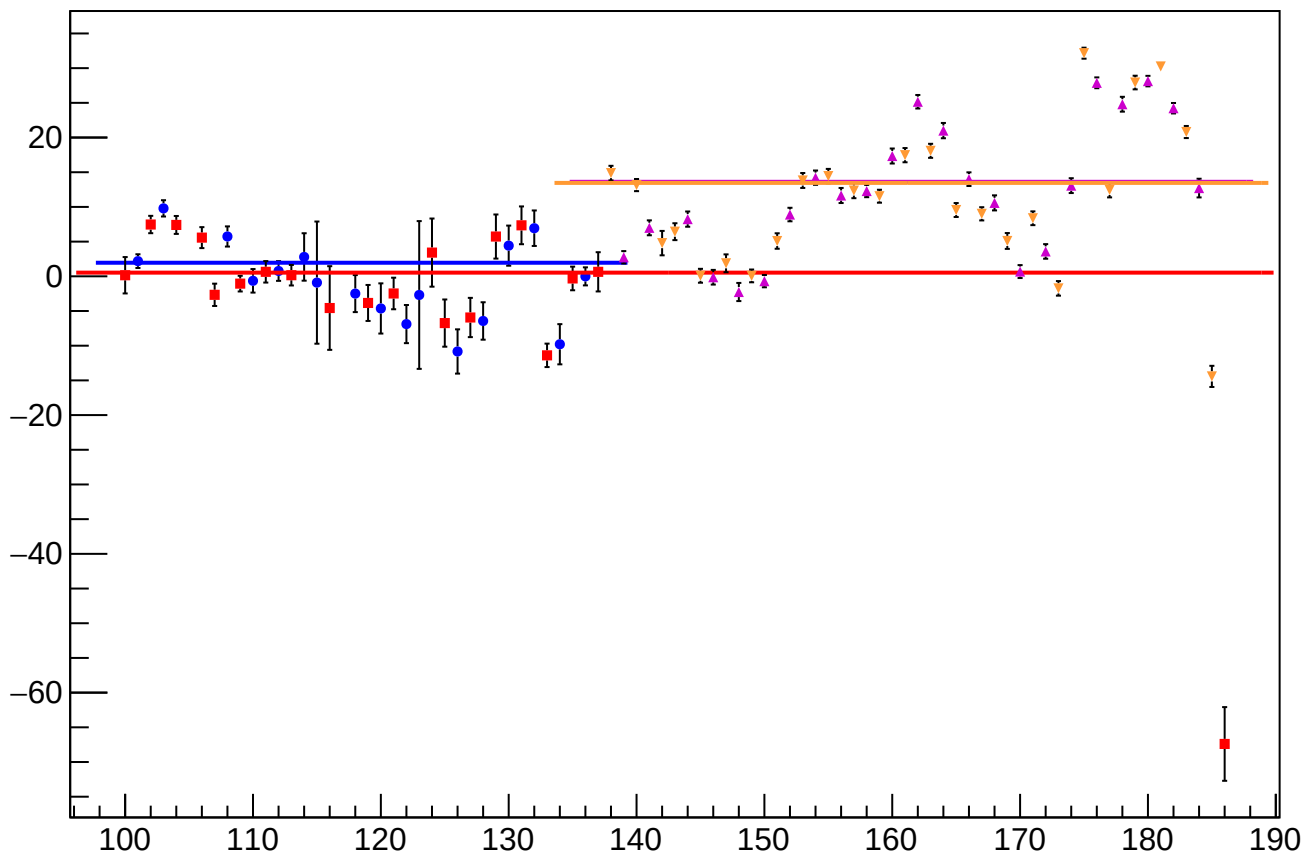
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF: 1607.9/22

+ sign 57.598 $\pm$ 0.136 χ^2 /NDF: 3072.8/41

All: 57.541 $\pm$ 0.097 χ^2 /NDF: 6121.7/84

- sign 57.483 $\pm$ 0.137 χ^2 /NDF: 3048.5/42

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.955 ± 0.459 χ^2/NDF : 120.2/16

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 0.529 ± 0.423 χ^2/NDF : 314.3/19

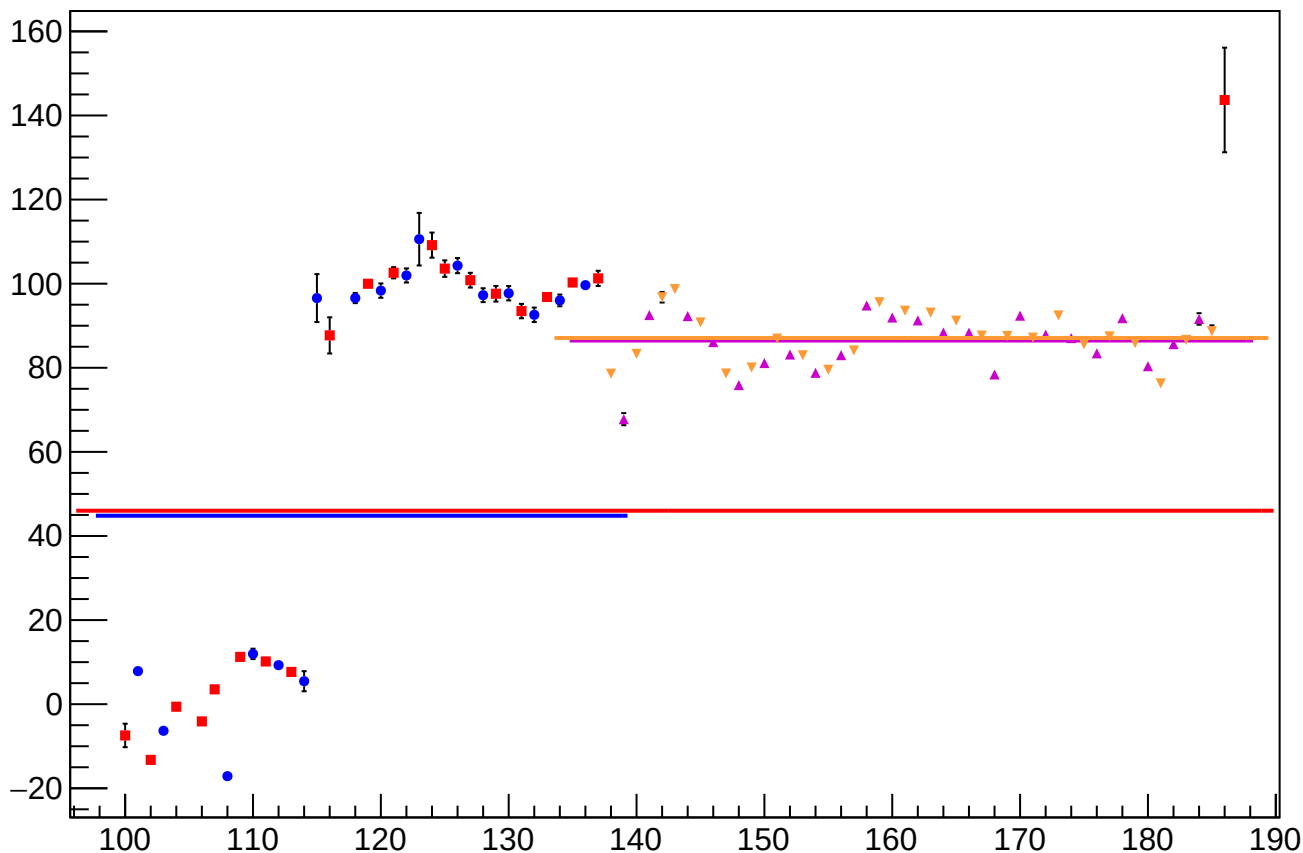
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.605 ± 0.185 χ^2/NDF : 3382.9/41

All: 11.374 ± 0.130 χ^2/NDF : 6791.1/84

- sign 11.144 ± 0.184 χ^2/NDF : 3405.1/42

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.818 $\pm$ 0.305 χ^2 /NDF: 24700.1/16

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 46.011 $\pm$ 0.290 χ^2 /NDF: 28277.8/19

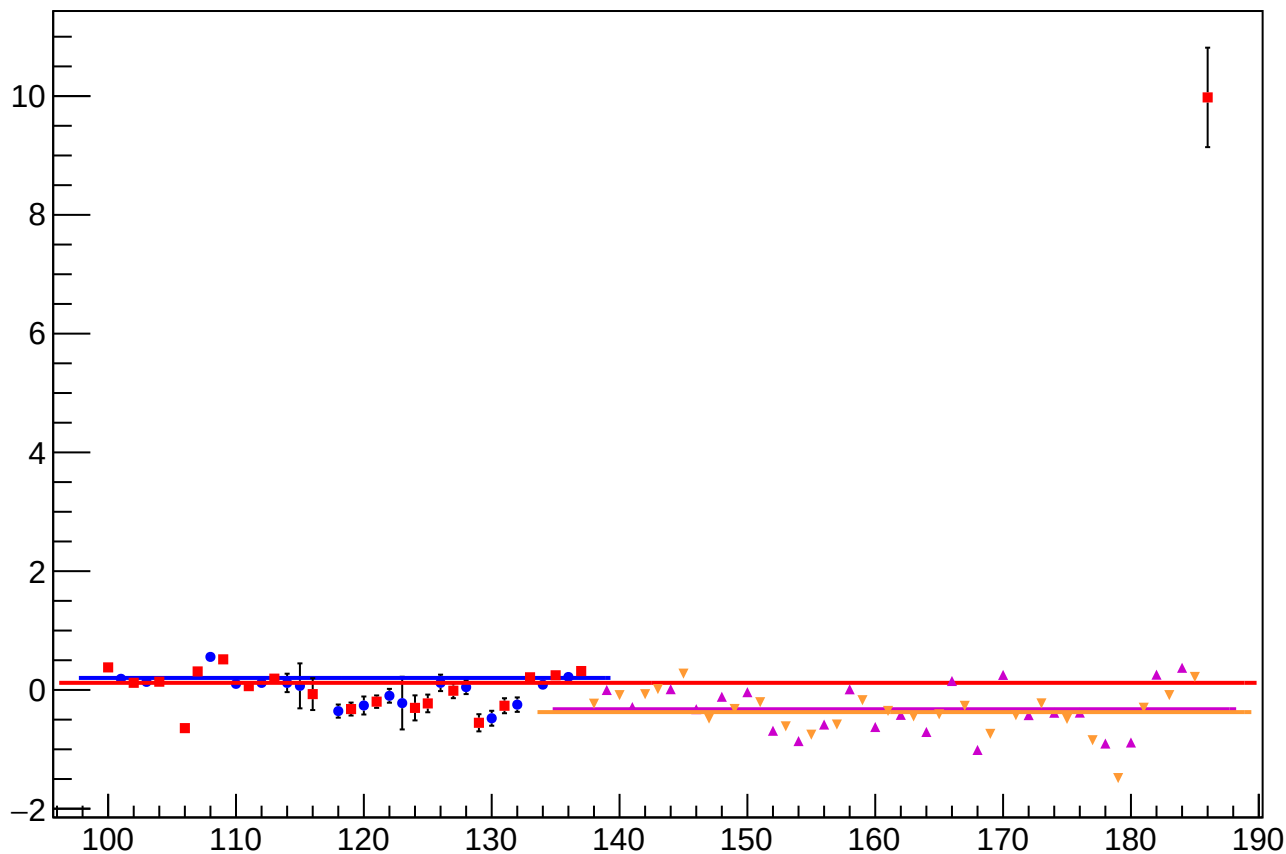
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 76.251 $\pm$ 0.154 χ^2 /NDF: 40067.9/41

All: 75.526 $\pm$ 0.110 χ^2 /NDF: 83277.5/84

- sign 74.790 $\pm$ 0.156 χ^2 /NDF: 43165.1/42

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 215.7/16

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: 0.120 ± 0.013 χ^2/NDF : 637.7/19

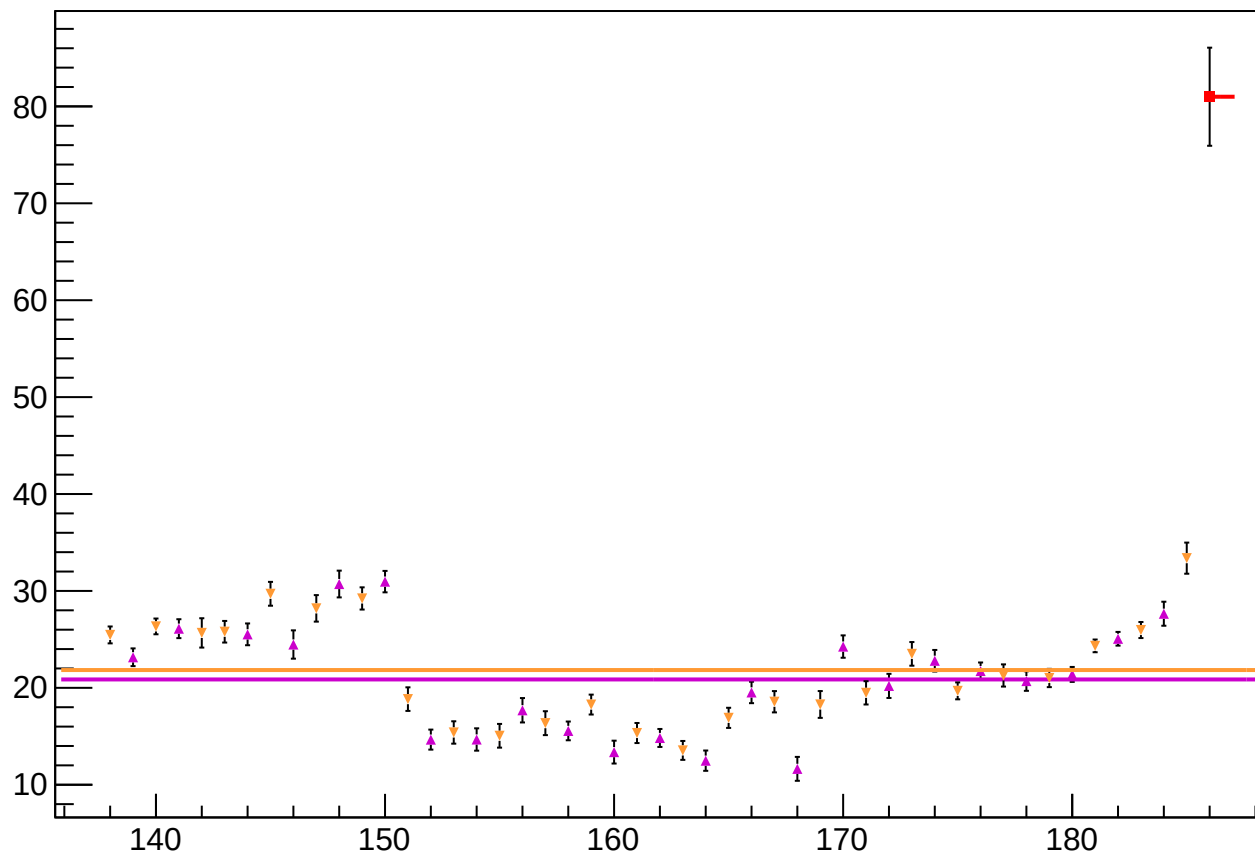
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.229 ± 0.007 χ^2/NDF : 3140.3/41

All: -0.214 ± 0.005 χ^2/NDF : 6905.4/84

- sign -0.199 ± 0.007 χ^2/NDF : 3755.6/42

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 21.836+/-0.210 χ^2/NDF : 524.3/24

Right Out: 80.998+/-5.062 χ^2/NDF : 0.0/0

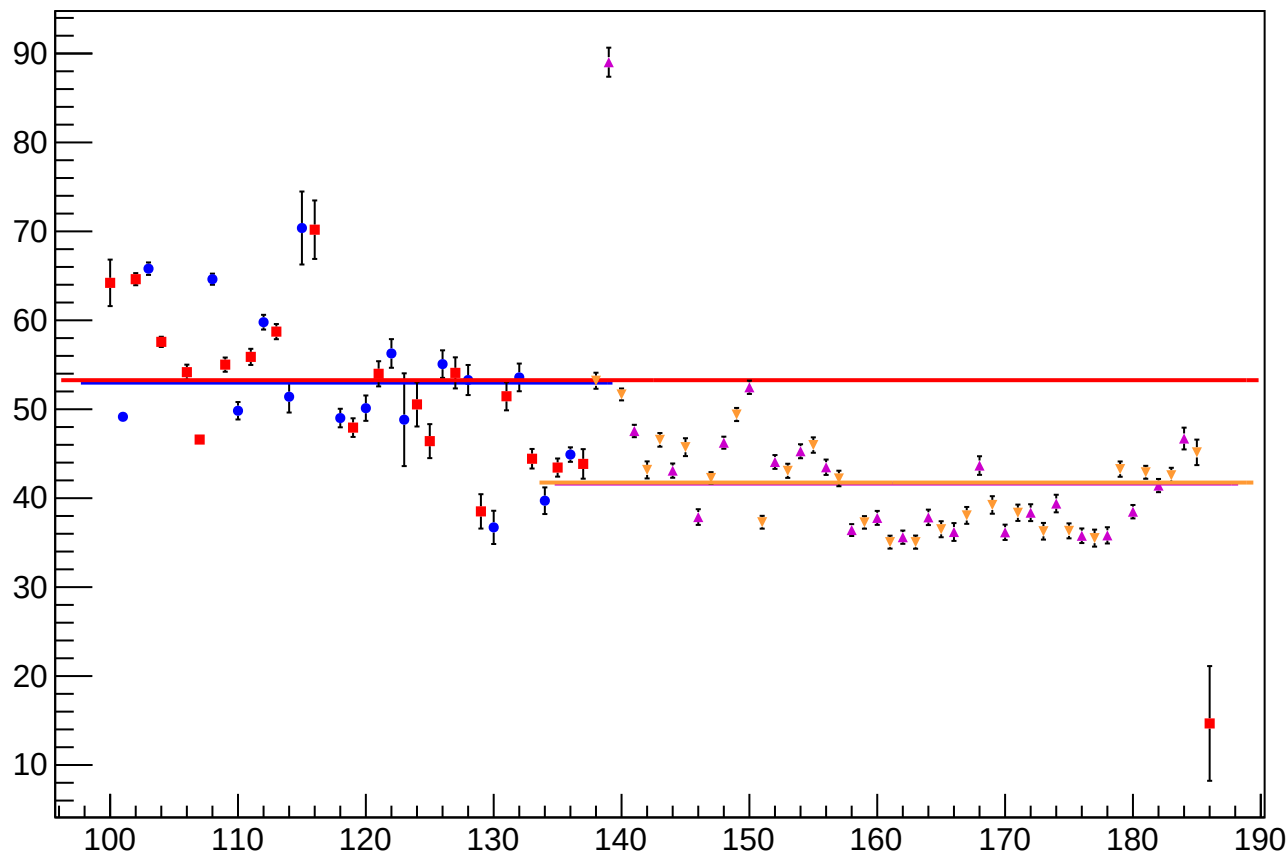
Left In: 20.866+/-0.217 χ^2/NDF : 576.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 21.419+/-0.151 χ^2/NDF : 1250.2/48

- sign 20.975+/-0.216 χ^2/NDF : 717.7/23

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.994 $\pm$ 0.211 χ^2 /NDF: 1197.9/16

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF:1015.7/24

Right Out: 53.268 $\pm$ 0.227 χ^2 /NDF: 912.5/19

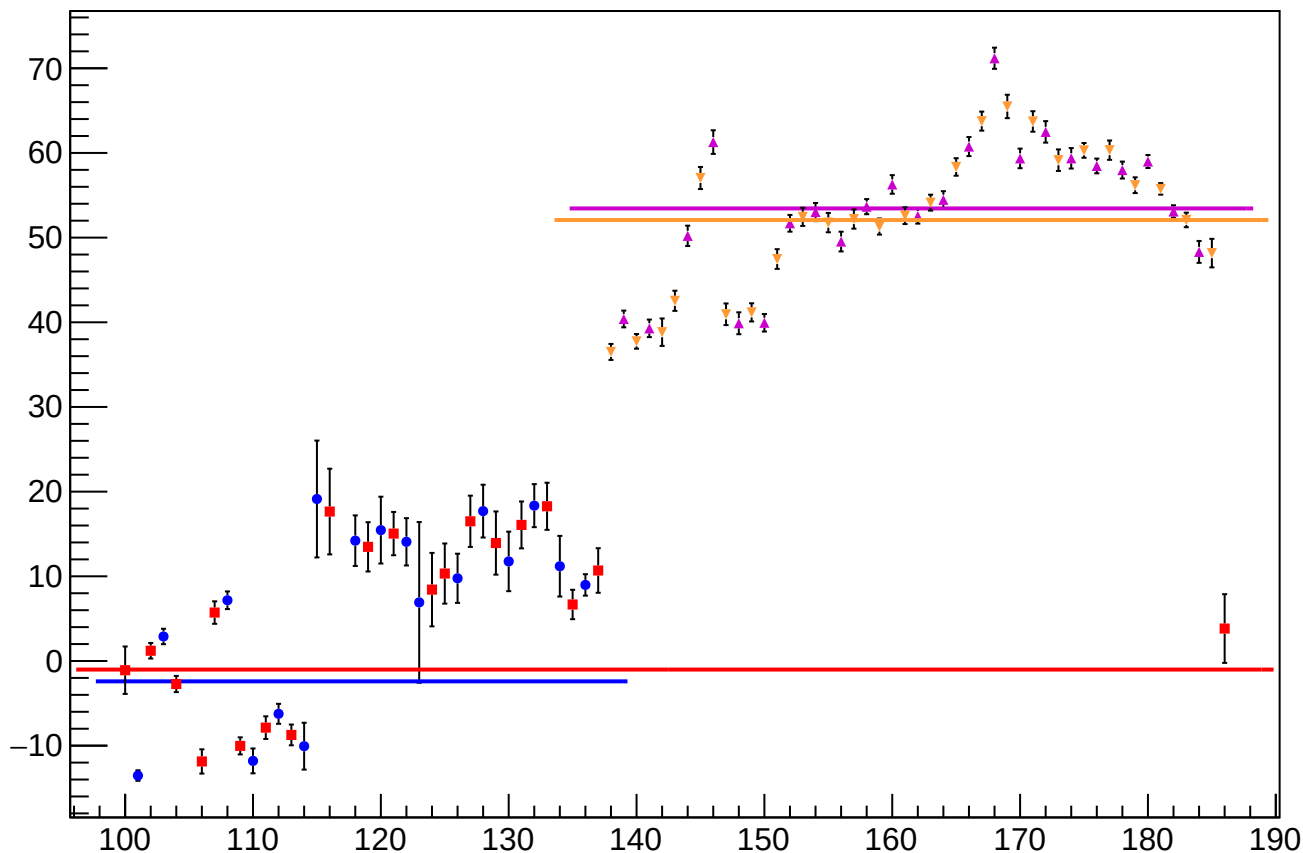
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 46.031 $\pm$ 0.130 χ^2 /NDF: 3970.1/41

All: 45.991 $\pm$ 0.095 χ^2 /NDF: 8150.3/84

- sign 45.946 $\pm$ 0.138 χ^2 /NDF: 4180.0/42

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.405 ± 0.365 χ^2/NDF : 832.0/16

Left Out: 52.076 ± 0.210 χ^2/NDF : 1450.9/24

Right Out: -1.014 ± 0.376 χ^2/NDF : 506.9/19

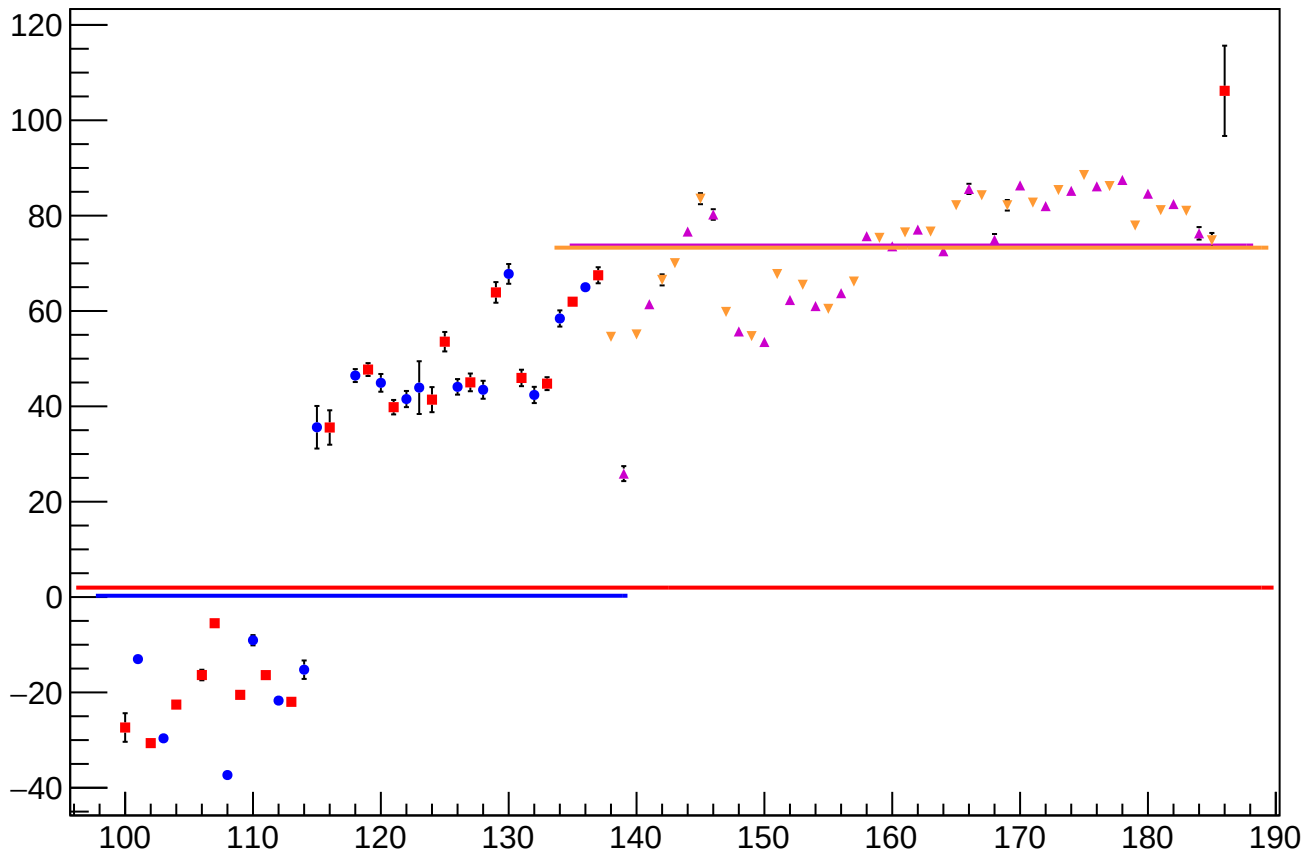
Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

+ sign 38.506 ± 0.182 χ^2/NDF : 19046.5/41

All: 39.220 ± 0.130 χ^2/NDF : 36576.5/84

- sign 39.973 ± 0.187 χ^2/NDF : 17498.3/42

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.275 ± 0.248 χ^2/NDF : 18220.1/16

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 1.980 ± 0.267 χ^2/NDF : 15534.0/19

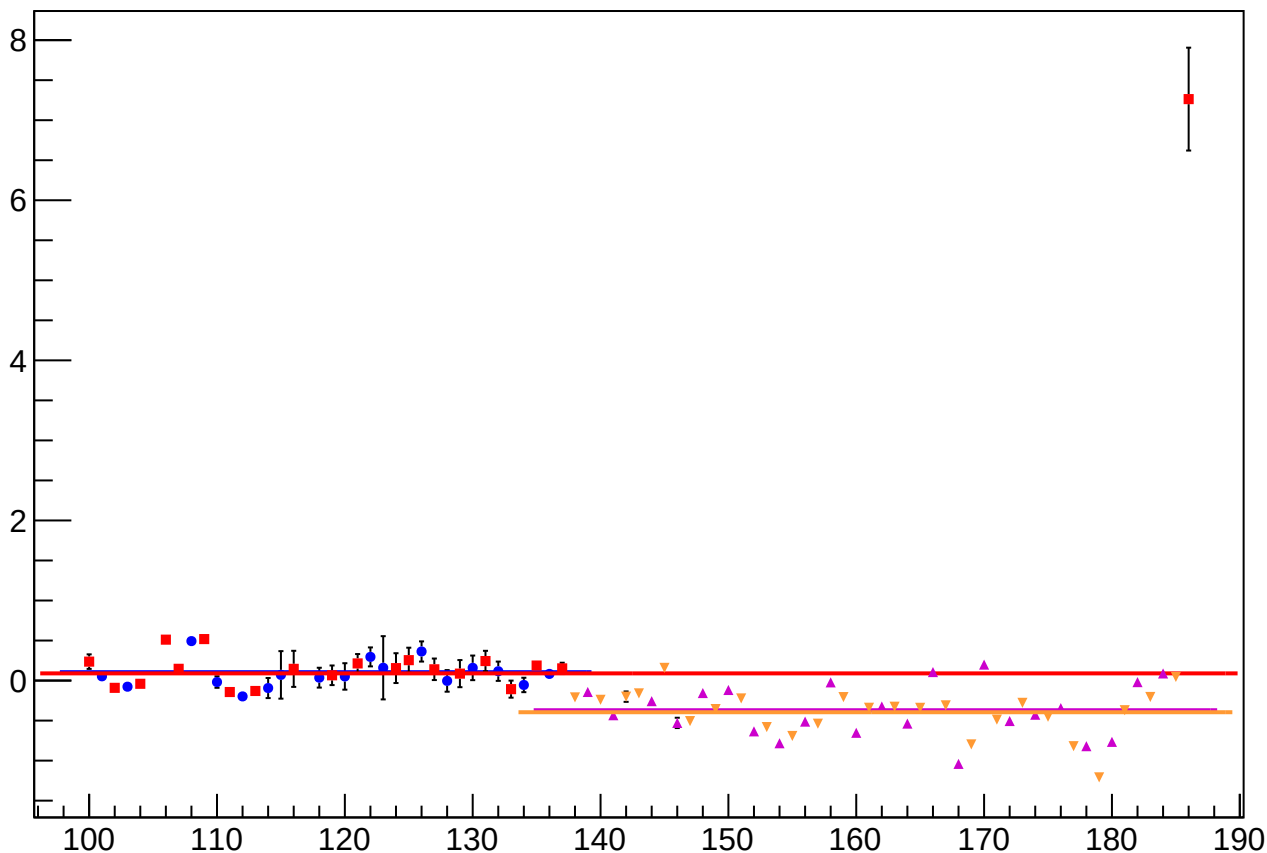
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.799 ± 0.149 χ^2/NDF : 76750.4/41

All: 47.768 ± 0.108 χ^2/NDF : 143430.8/84

- sign 48.843 ± 0.157 χ^2/NDF : 66591.4/42

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.090 ± 0.011 χ^2/NDF : 515.4/19

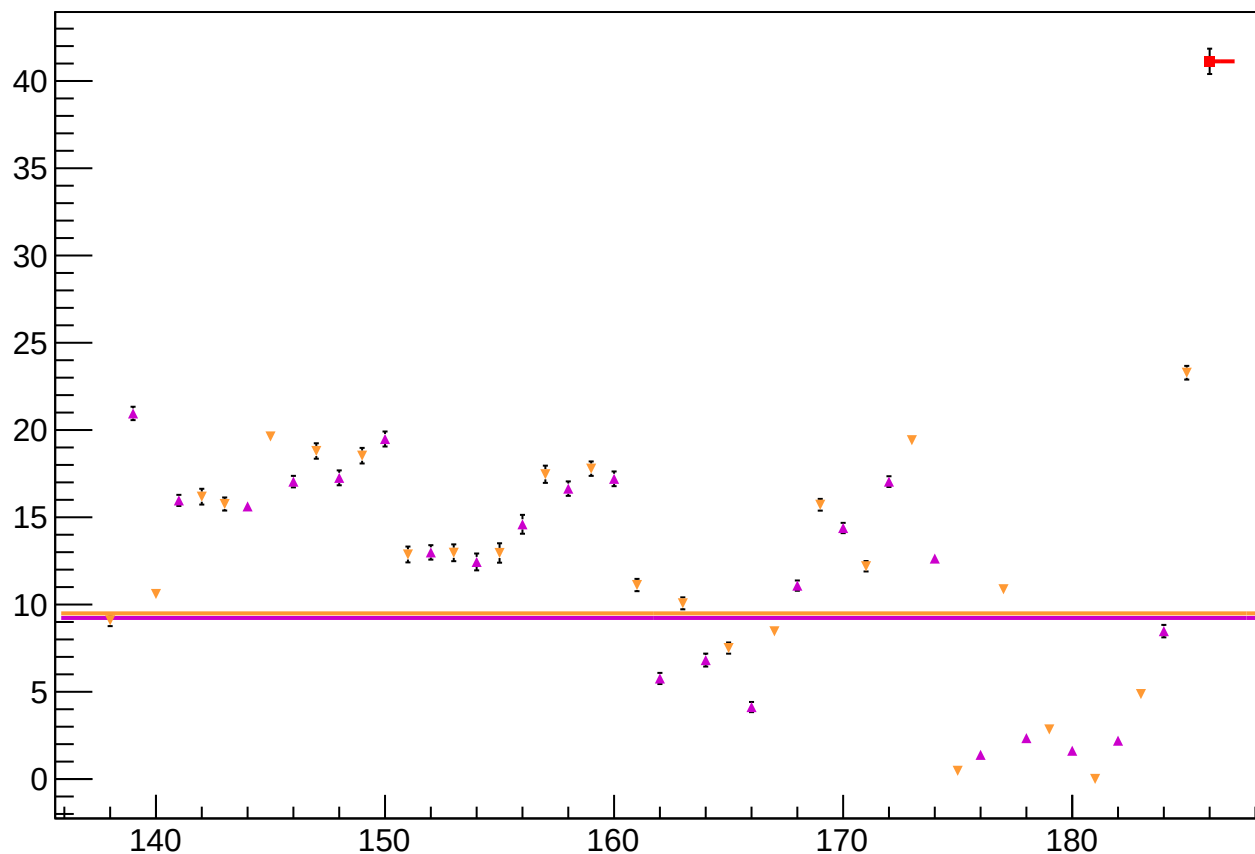
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.208 ± 0.007 χ^2/NDF : 2635.1/41

All: -0.201 ± 0.005 χ^2/NDF : 5542.2/84

- sign -0.194 ± 0.007 χ^2/NDF : 2904.8/42

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 9.495+/-0.061 χ^2/NDF :12609.1/24

Right Out: 41.126+/-0.726 χ^2/NDF : 0.0/0

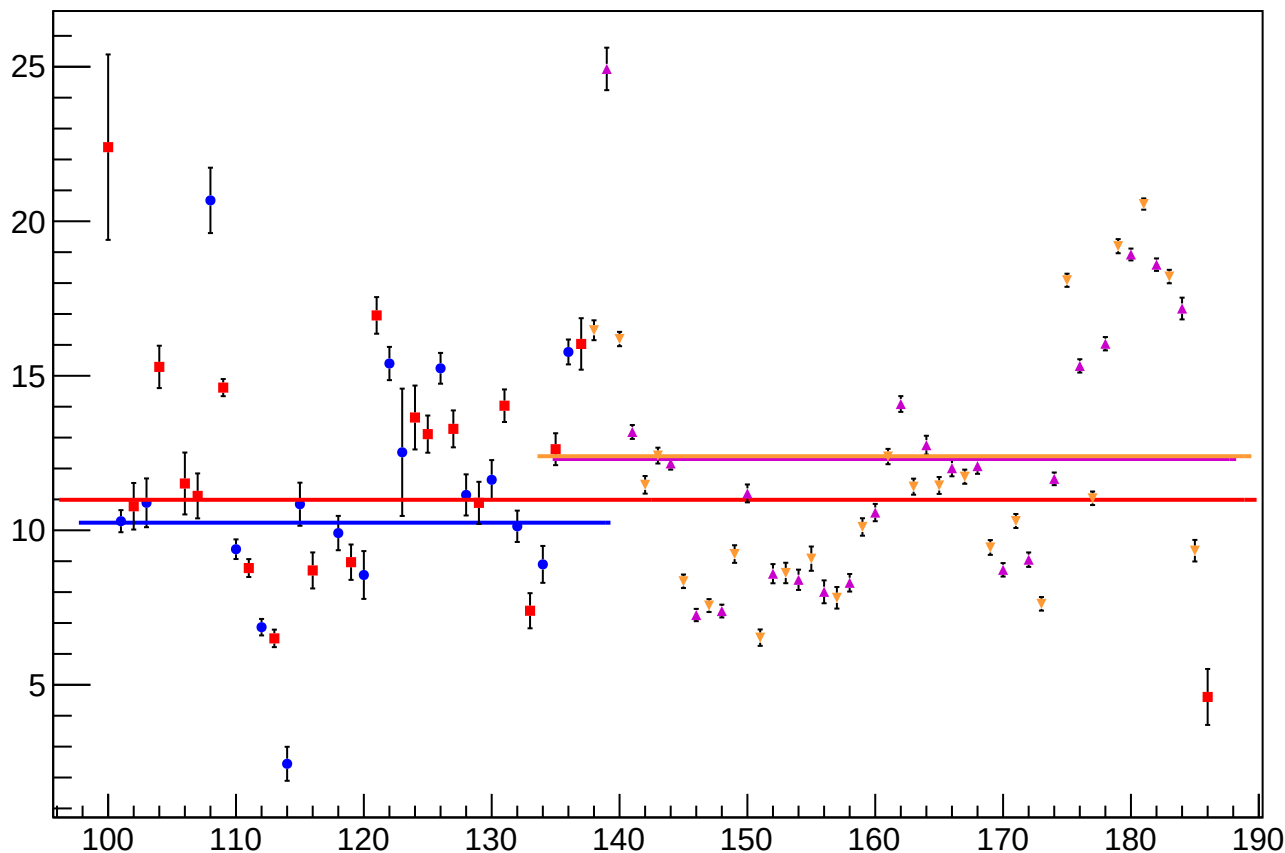
Left In: 9.231+/-0.063 χ^2/NDF :10736.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 9.482+/-0.044 χ^2/NDF : 25258.5/48

- sign 9.469+/-0.063 χ^2/NDF : 12649.3/23

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.246 $\pm$ 0.120 χ^2 /NDF: 866.1/16

Left Out: 12.397 $\pm$ 0.050 χ^2 /NDF: 7542.8/24

Right Out: 10.987 $\pm$ 0.116 χ^2 /NDF: 867.1/19

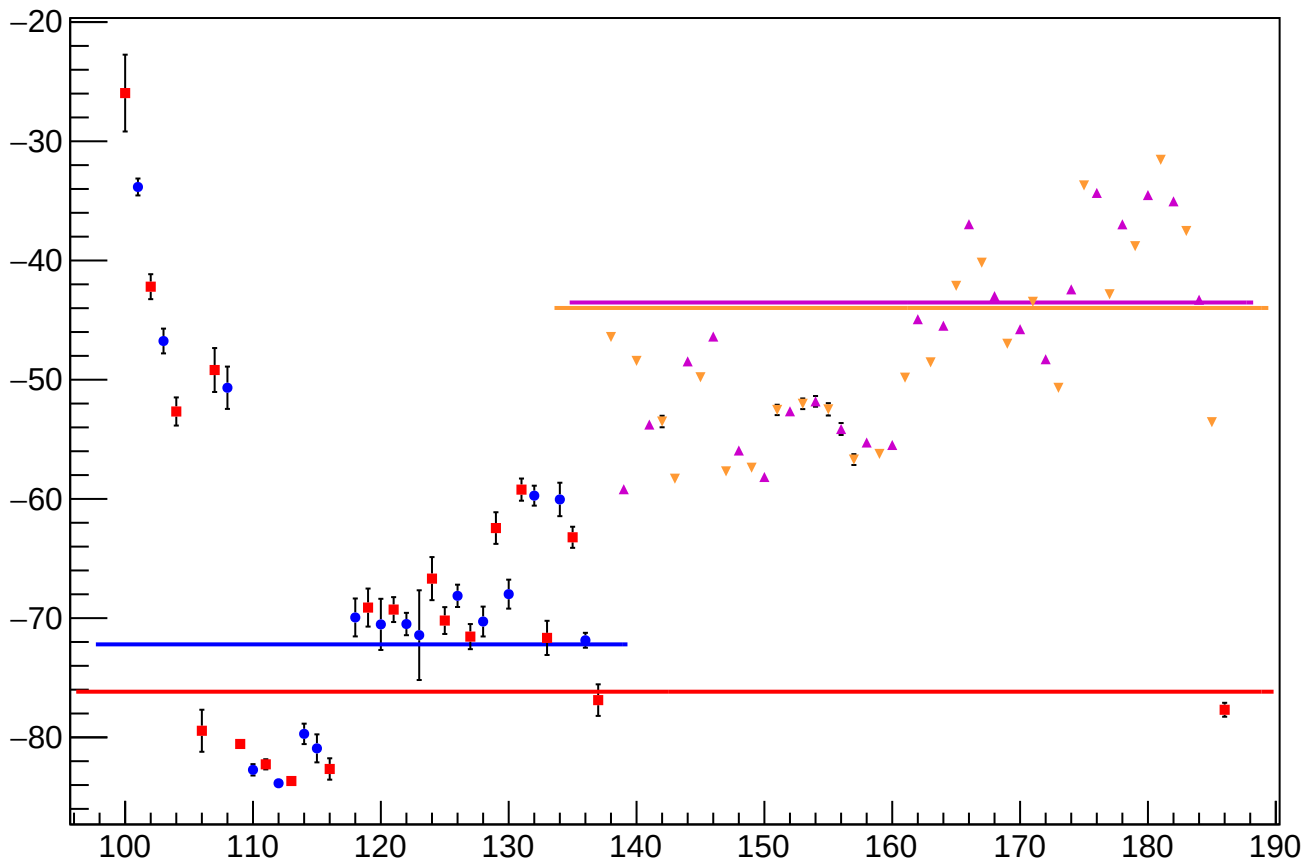
Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

+ sign 12.081 $\pm$ 0.046 χ^2 /NDF: 8684.5/41

All: 12.085 $\pm$ 0.033 χ^2 /NDF: 15262.5/84

- sign 12.090 $\pm$ 0.047 χ^2 /NDF: 6578.0/42

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.200 ± 0.198 χ^2/NDF : 5562.7/16

Left Out: -43.982 ± 0.062 χ^2/NDF : 17736.8/24

Right Out: -76.170 ± 0.173 χ^2/NDF : 3466.6/19

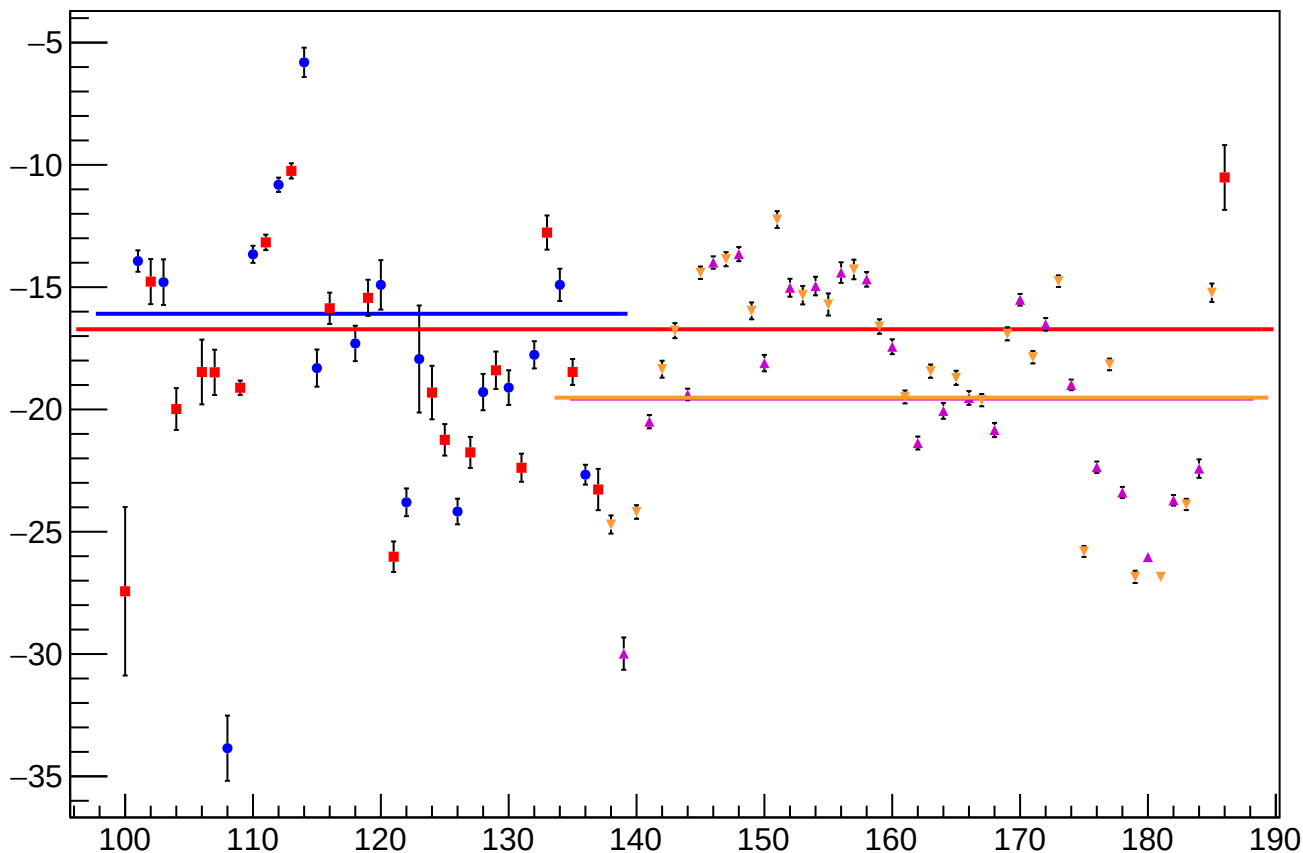
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -46.487 ± 0.059 χ^2/NDF : 41726.4/41

All: -46.931 ± 0.042 χ^2/NDF : 91975.1/84

- sign -47.380 ± 0.059 χ^2/NDF : 50135.2/42

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.087 ± 0.133 $\chi^2/\text{NDF}: 1620.7/16$

Left Out: -19.517 ± 0.056 $\chi^2/\text{NDF}: 6518.3/24$

Right Out: -16.721 ± 0.128 $\chi^2/\text{NDF}: 1233.4/19$

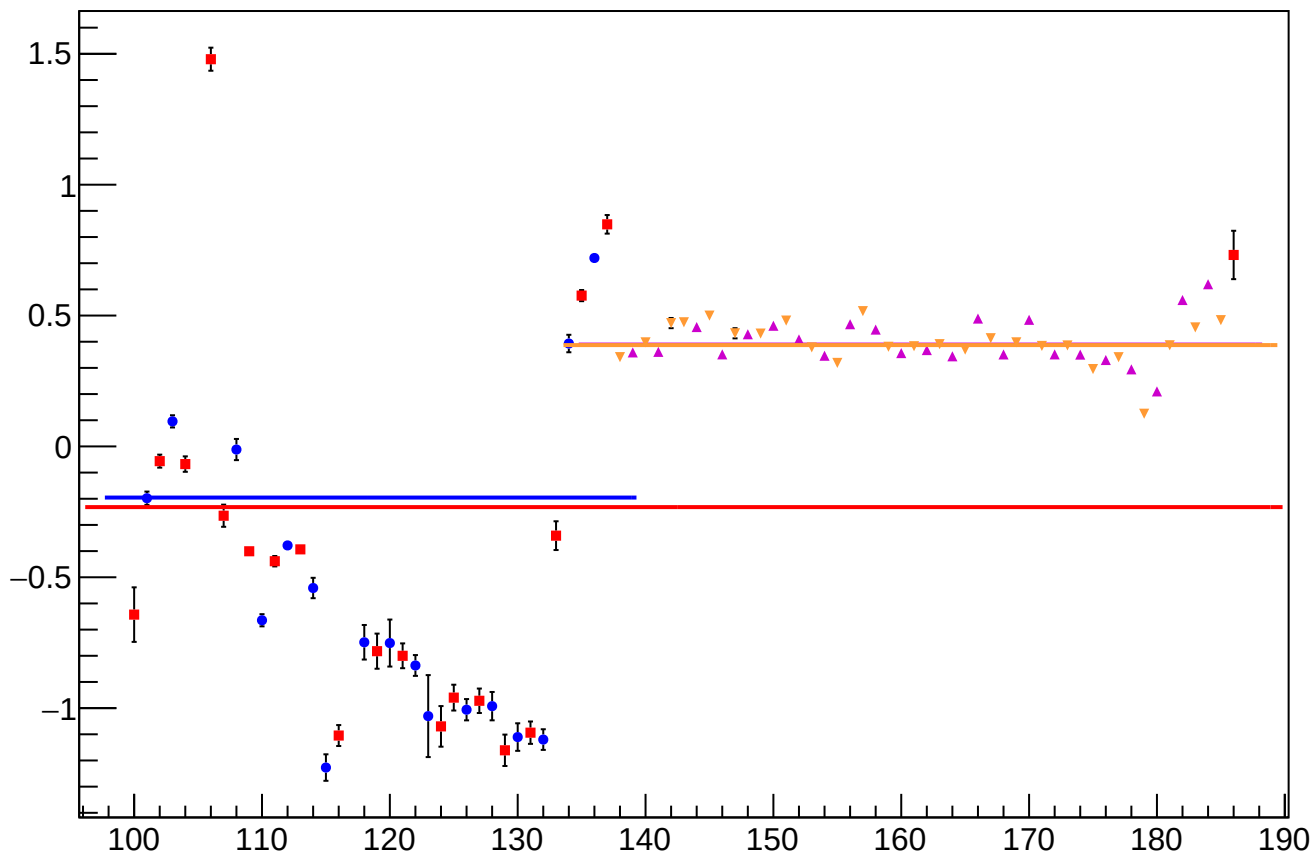
Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

+ sign -19.003 ± 0.051 $\chi^2/\text{NDF}: 8705.9/41$

All: -19.041 ± 0.037 $\chi^2/\text{NDF}: 14661.1/84$

- sign -19.080 ± 0.052 $\chi^2/\text{NDF}: 5954.1/42$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.195 ± 0.008 χ^2/NDF : 6316.5/16

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.232 ± 0.007 χ^2/NDF : 6285.9/19

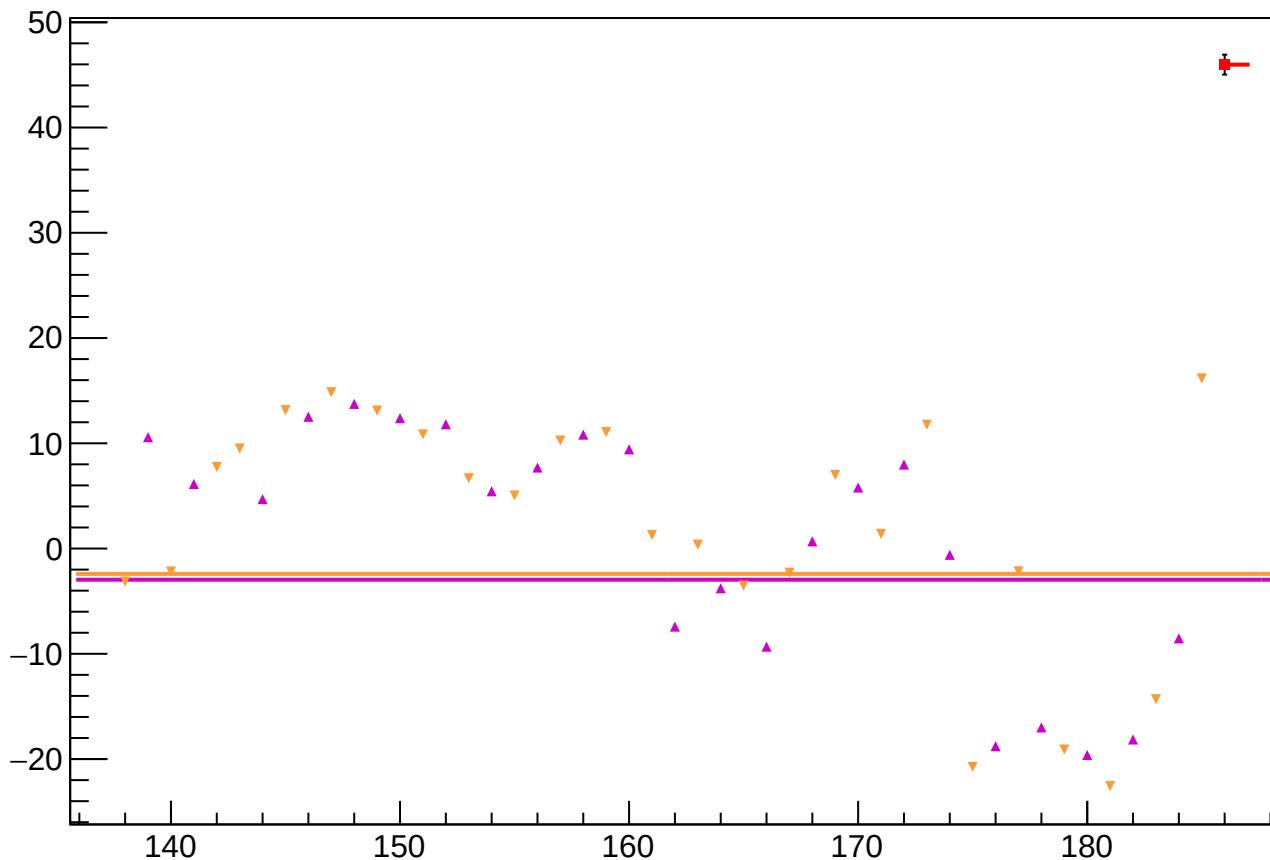
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.327 ± 0.002 χ^2/NDF : 12642.6/41

All: 0.322 ± 0.002 χ^2/NDF : 26827.3/84

- sign 0.316 ± 0.002 χ^2/NDF : 14174.0/42

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2.407+/-0.053 χ^2/NDF : 56368.5/24

Right Out: 45.976+/-0.947 χ^2/NDF : 0.0/0

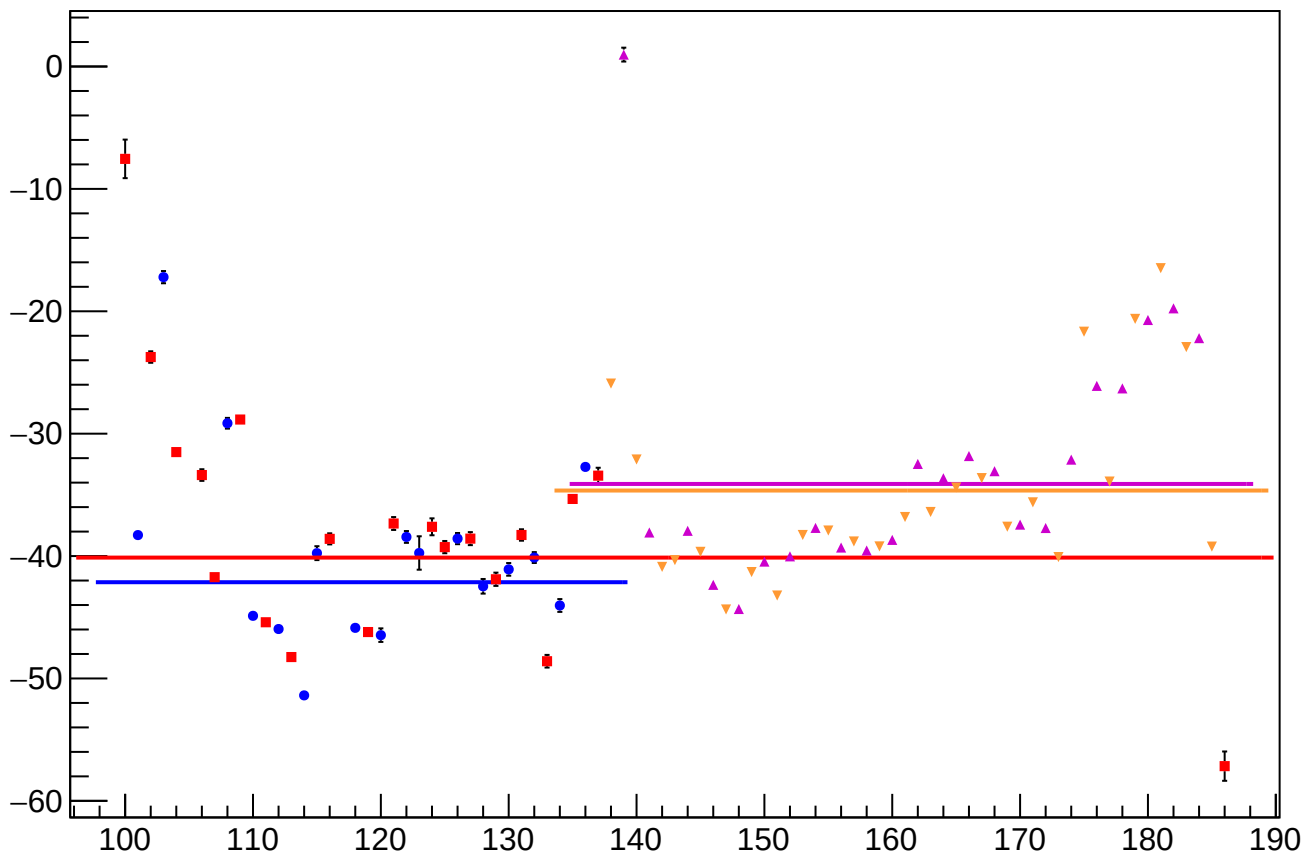
Left In: -2.959+/-0.055 χ^2/NDF : 45922.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

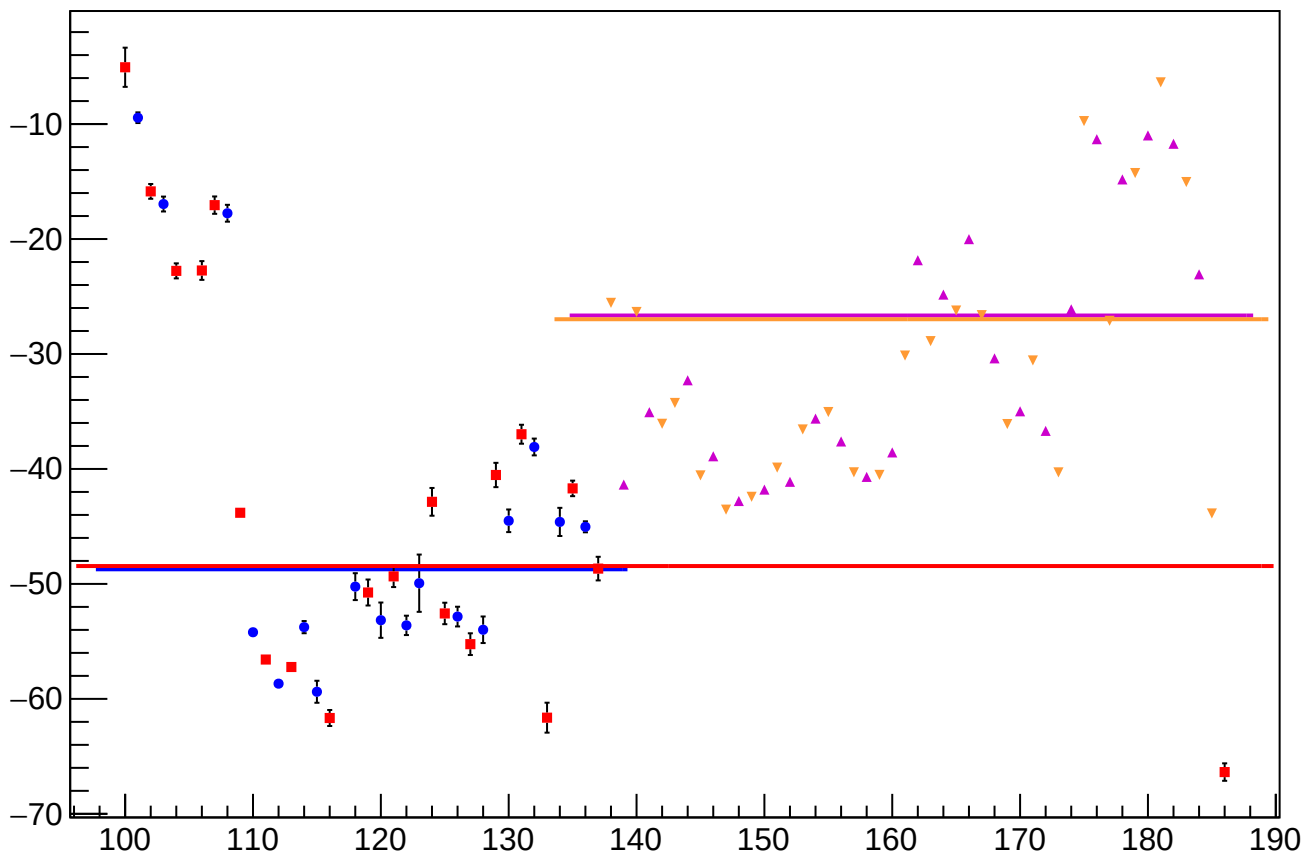
All: -2.594+/-0.038 χ^2/NDF : 104976.2/48

- sign -2.796+/-0.055 χ^2/NDF : 48581.5/23

reg_asym_sam8_diff_bpm4aY_slope vs Slug



reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.729 ± 0.125 $\chi^2/\text{NDF}: 14659.5/16$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -48.446 ± 0.106 $\chi^2/\text{NDF}: 12301.1/19$

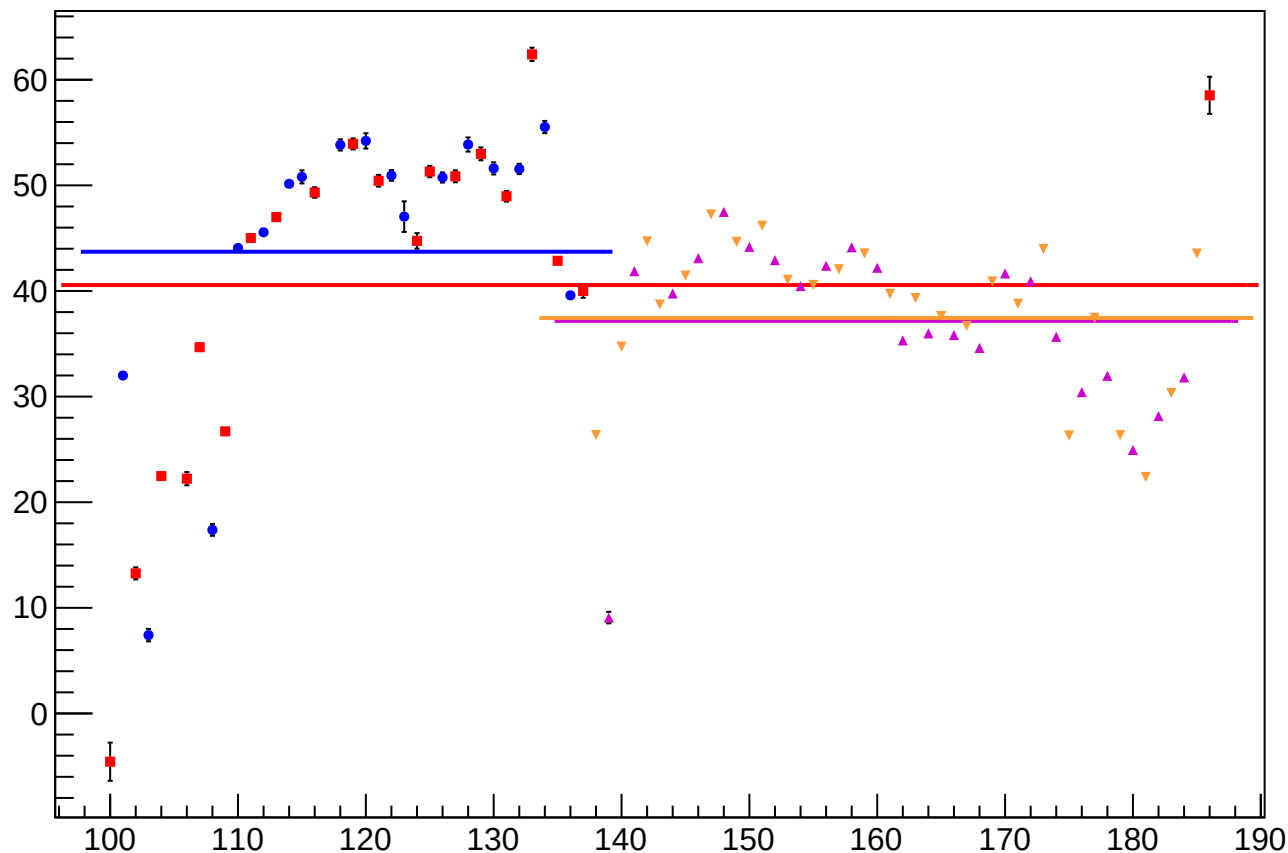
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.320 ± 0.049 $\chi^2/\text{NDF}: 89718.4/41$

All: -30.788 ± 0.035 $\chi^2/\text{NDF}: 177515.6/84$

- sign -31.252 ± 0.049 $\chi^2/\text{NDF}: 87615.2/42$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.716+/-0.087 χ^2/NDF : 10564.2/16

Left Out: 37.447+/-0.047 χ^2/NDF : 21570.6/24

Right Out: 40.562+/-0.080 χ^2/NDF : 17683.2/19

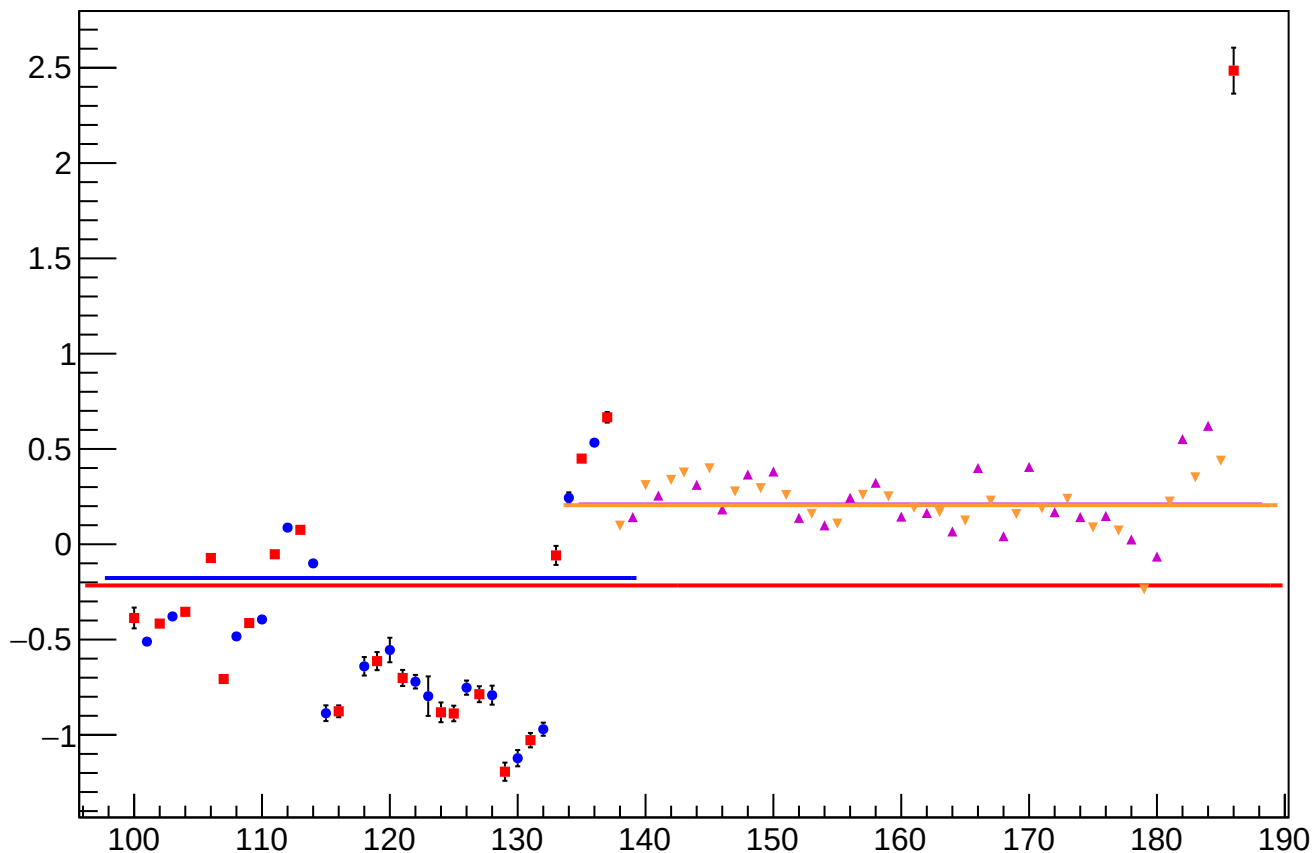
Left In: 37.169+/-0.049 χ^2/NDF : 17236.9/22

+ sign 38.870+/-0.041 χ^2/NDF : 36146.4/41

All: 38.489+/-0.029 χ^2/NDF : 72537.6/84

- sign 38.100+/-0.042 χ^2/NDF : 36220.7/42

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7353.5/16

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.216 ± 0.004 χ^2/NDF : 7919.7/19

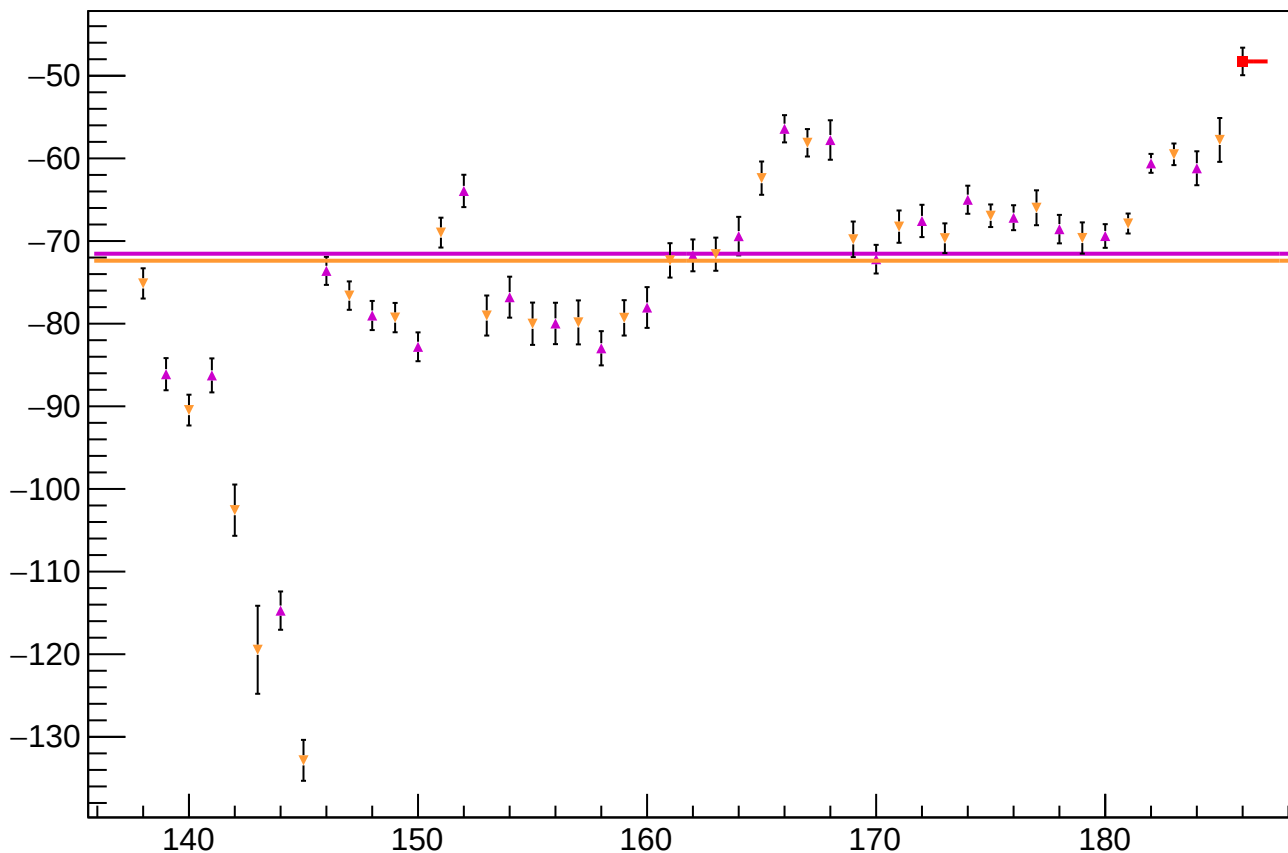
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.141 ± 0.002 χ^2/NDF : 16353.9/41

All: 0.129 ± 0.001 χ^2/NDF : 37088.1/84

- sign 0.118 ± 0.002 χ^2/NDF : 20664.2/42

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -72.381 $\pm$ 0.382 χ^2 /NDF:1199.9/24

Right Out: -48.267 $\pm$ 1.666 χ^2 /NDF: 0.0/0

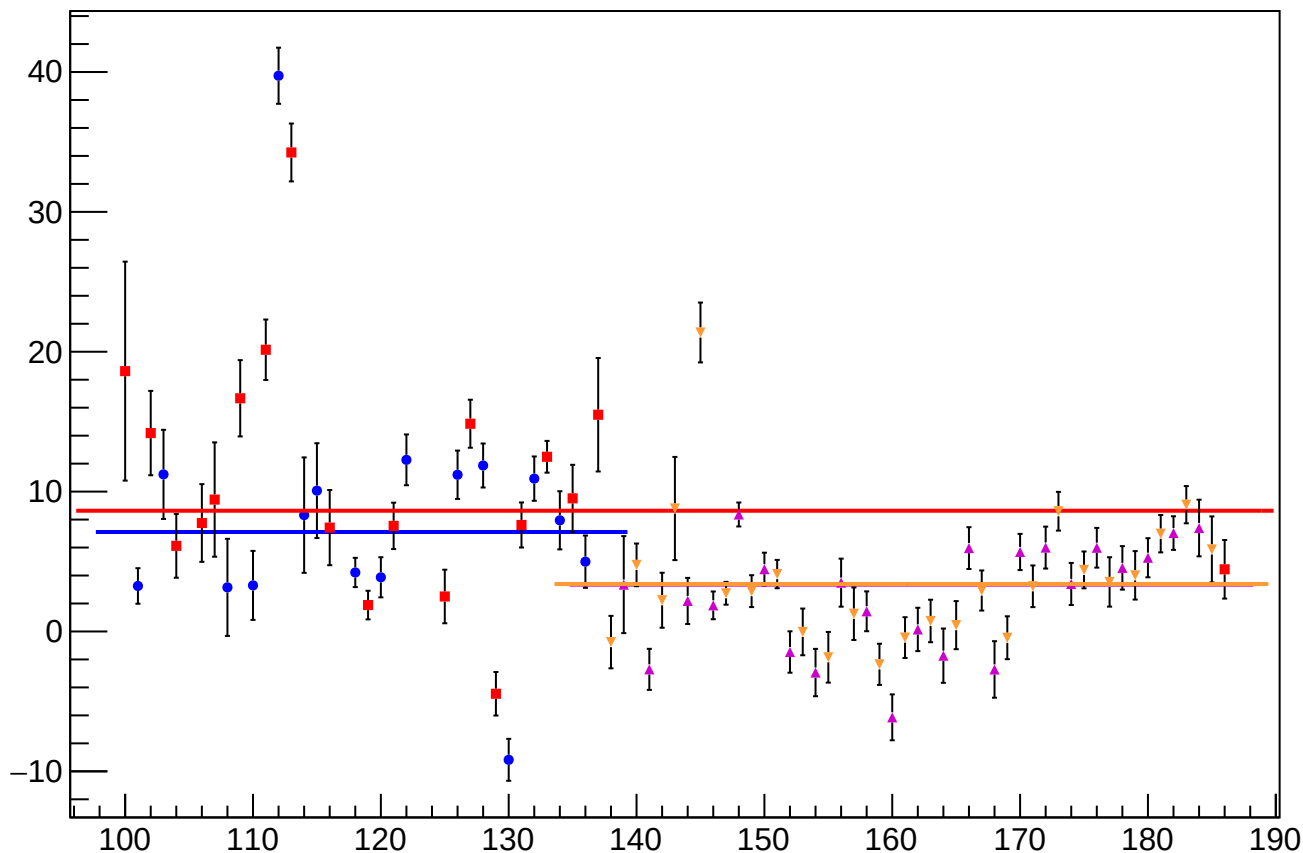
Left In: -71.534 $\pm$ 0.382 χ^2 /NDF:851.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -71.351 $\pm$ 0.266 χ^2 /NDF: 2250.8/48

- sign -70.374 $\pm$ 0.372 χ^2 /NDF: 1036.7/23

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.112 ± 0.440 χ^2/NDF : 440.4/15

Left Out: 3.392 ± 0.294 χ^2/NDF : 169.9/24

Right Out: 8.632 ± 0.439 χ^2/NDF : 353.8/18

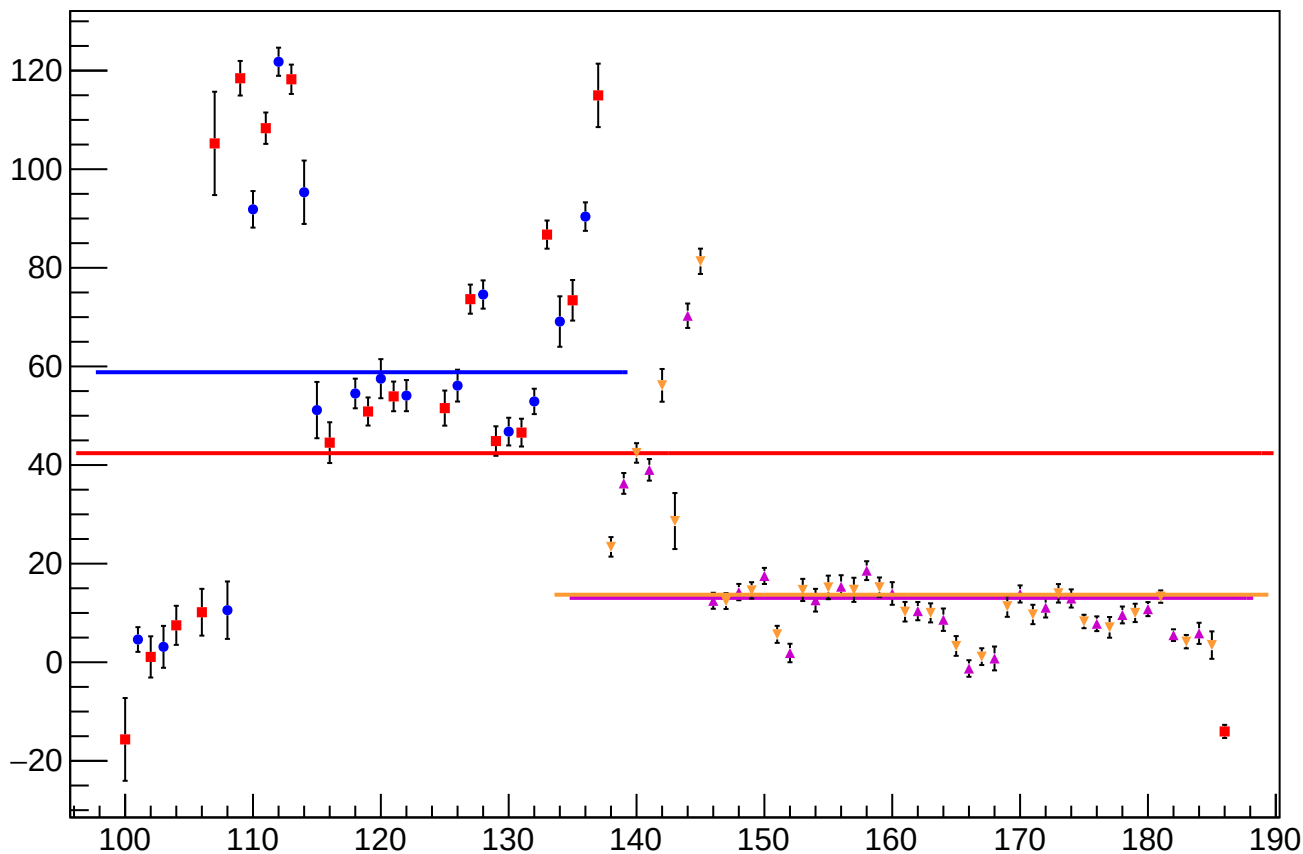
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.538 ± 0.244 χ^2/NDF : 659.7/40

All: 4.776 ± 0.174 χ^2/NDF : 1278.2/82

- sign 5.019 ± 0.247 χ^2/NDF : 616.6/41

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.825+/-0.839 χ^2 /NDF: 1491.4/15

Left Out: 13.700+/-0.381 χ^2 /NDF:1307.0/24

Right Out: 42.405+/-0.712 χ^2 /NDF: 4204.9/18

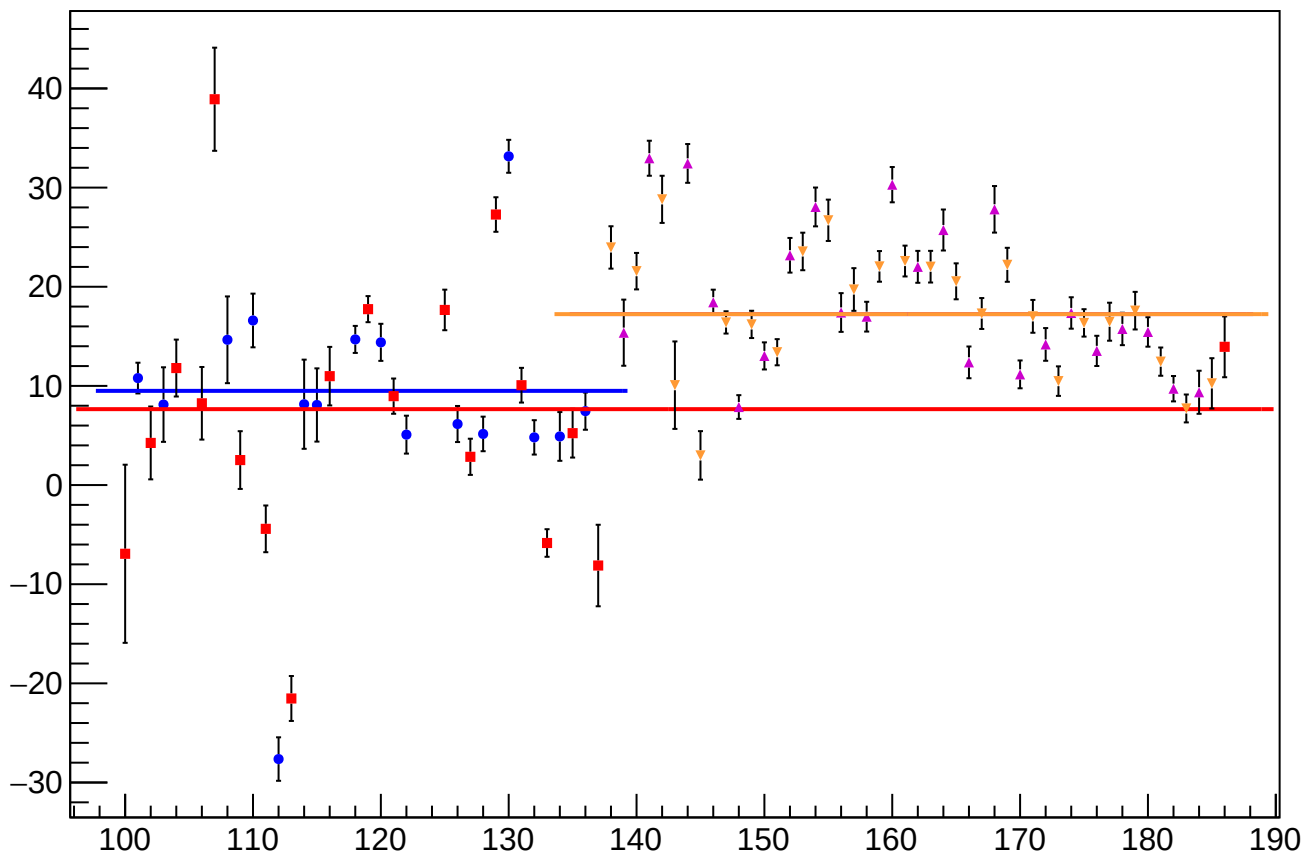
Left In: 13.058+/-0.380 χ^2 /NDF:1024.7/22

+ sign 21.419+/-0.347 χ^2 /NDF: 5198.9/40

All: 20.453+/-0.241 χ^2 /NDF: 11764.9/82

- sign 19.552+/-0.335 χ^2 /NDF: 6551.1/41

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.499 $\pm$ 0.508 χ^2 /NDF: 547.2/15

Left Out: 17.238 $\pm$ 0.336 χ^2 /NDF: 246.5/24

Right Out: 7.655 $\pm$ 0.509 χ^2 /NDF: 571.2/18

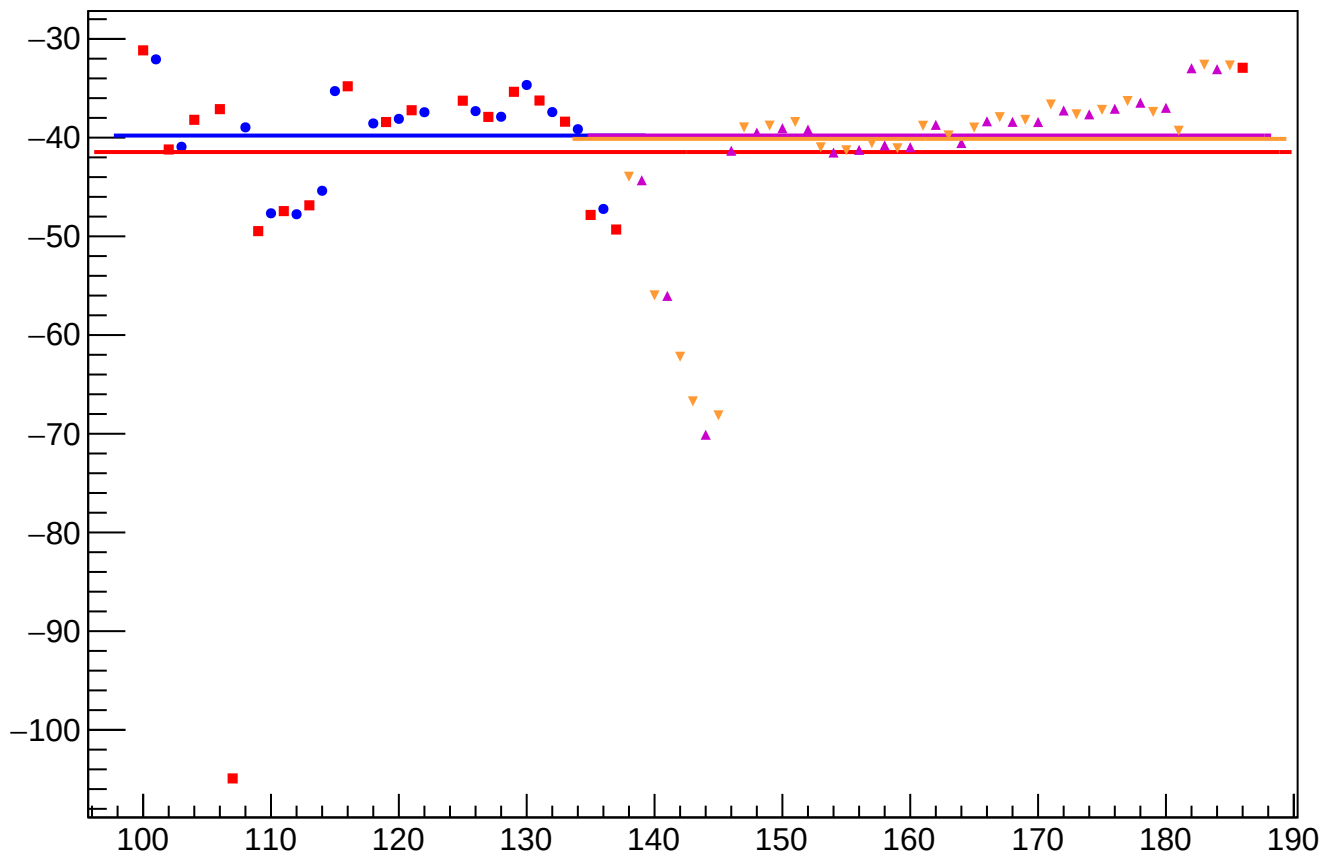
Left In: 17.245 $\pm$ 0.339 χ^2 /NDF: 440.8/22

+ sign 14.880 $\pm$ 0.280 χ^2 /NDF: 955.3/40

All: 14.588 $\pm$ 0.199 χ^2 /NDF: 2215.3/82

- sign 14.291 $\pm$ 0.282 χ^2 /NDF: 1257.9/41

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.790 ± 0.031 χ^2/NDF : 26103.4/15

Left Out: -40.126 ± 0.016 χ^2/NDF : 185897.0/24

Right Out: -41.459 ± 0.031 χ^2/NDF : 96037.3/18

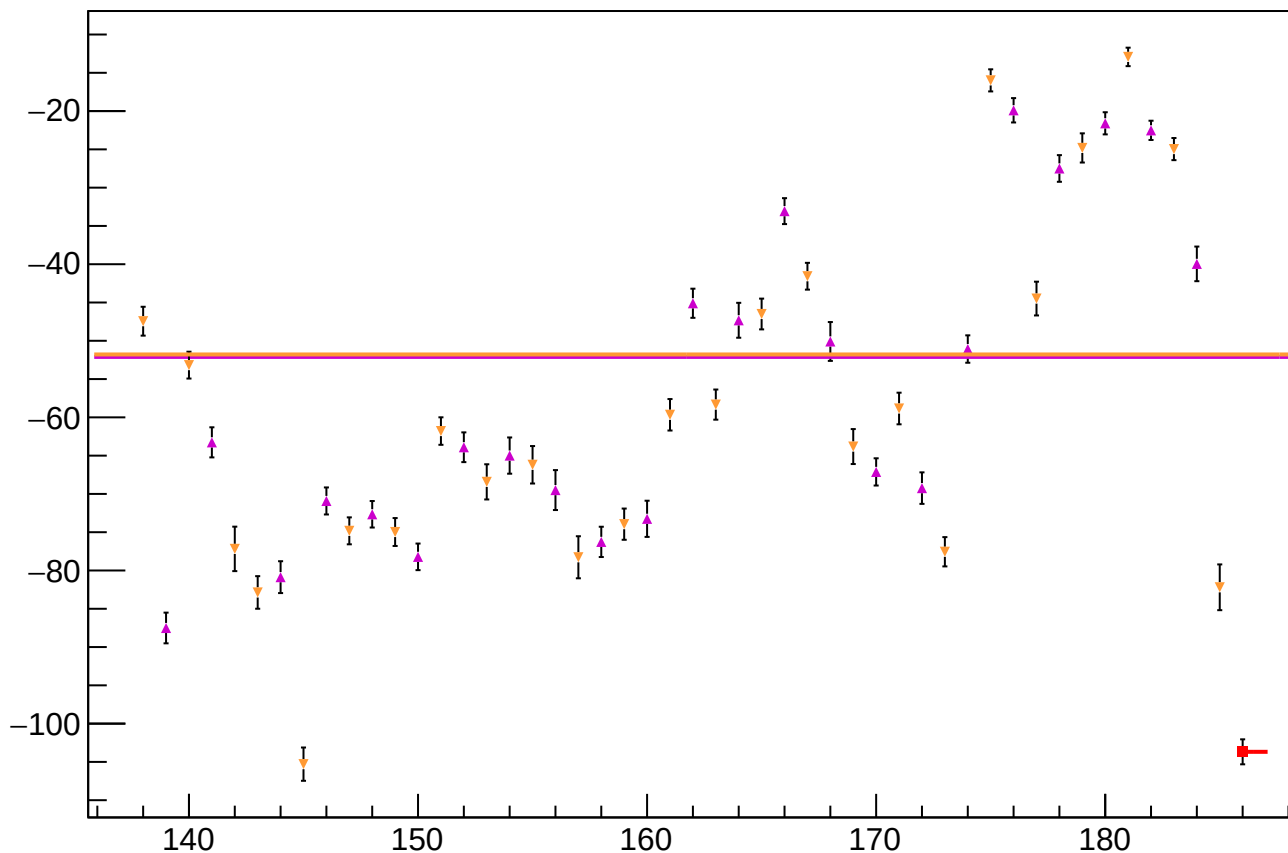
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -40.058 ± 0.014 χ^2/NDF : 212092.7/40

All: -40.092 ± 0.010 χ^2/NDF : 454971.7/82

- sign -40.126 ± 0.014 χ^2/NDF : 242867.2/41

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -51.787 $\pm$ 0.383 χ^2/NDF : 4164.8/24

Right Out: -103.683 $\pm$ 1.632 χ^2/NDF : 0.0/0

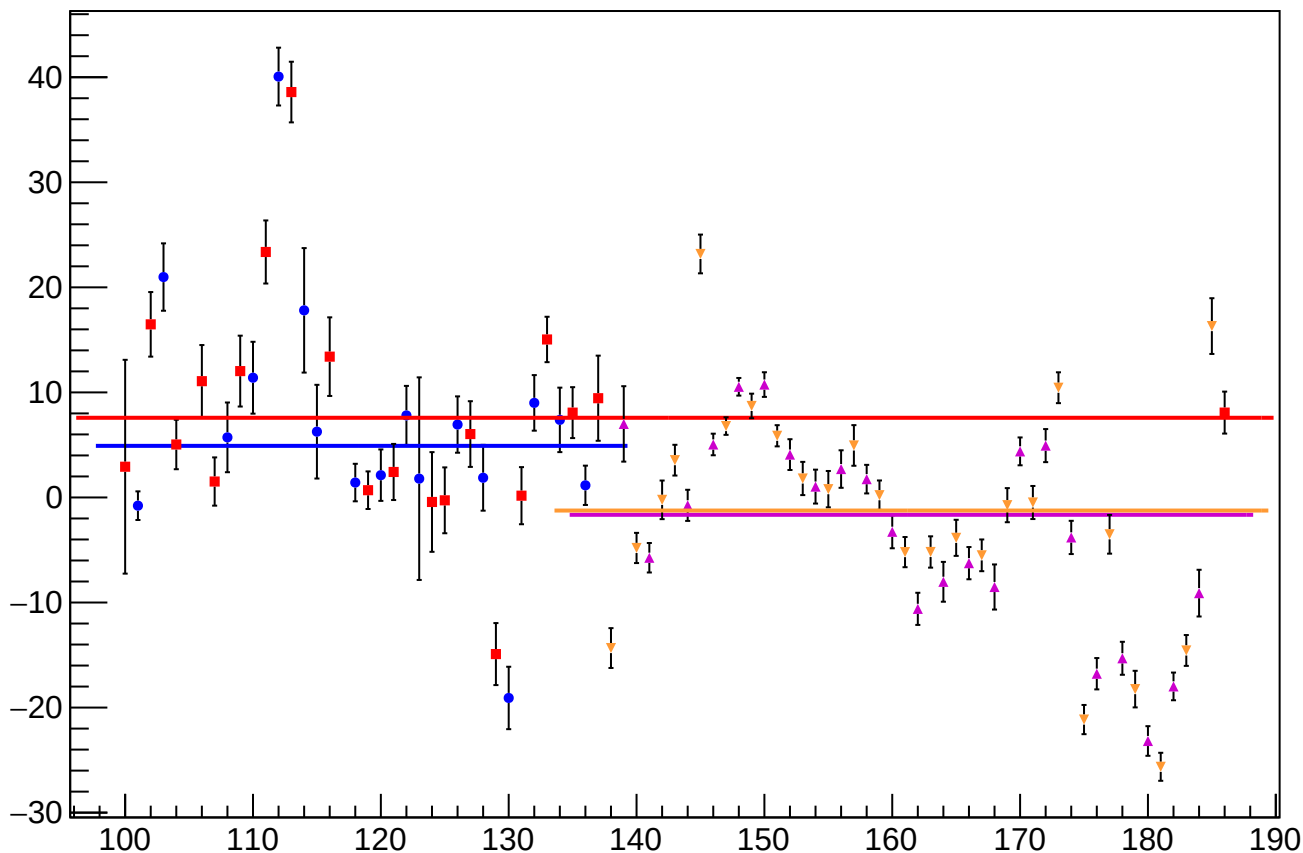
Left In: -52.104 $\pm$ 0.389 χ^2/NDF : 3280.2/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: -53.349 $\pm$ 0.269 χ^2/NDF : 8423.7/48

- sign -54.874 $\pm$ 0.378 χ^2/NDF : 4226.0/23

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.912 ± 0.629 χ^2/NDF : 294.3/16

Left Out: -1.245 ± 0.292 χ^2/NDF : 1322.6/24

Right Out: 7.585 ± 0.619 χ^2/NDF : 270.6/19

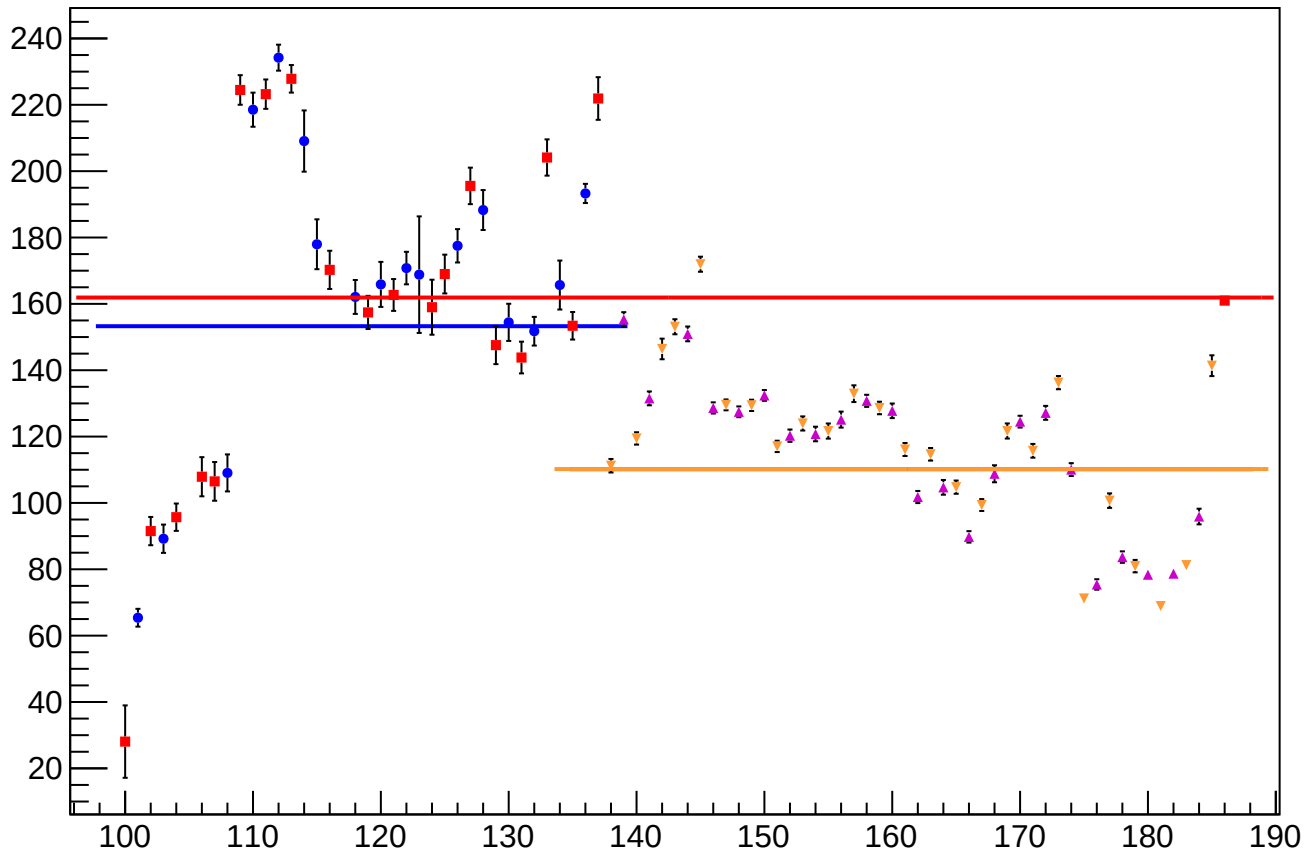
Left In: -1.650 ± 0.300 χ^2/NDF : 1092.2/22

+ sign -0.154 ± 0.265 χ^2/NDF : 1695.9/41

All: -0.026 ± 0.189 χ^2/NDF : 3239.3/84

- sign 0.107 ± 0.270 χ^2/NDF : 1542.9/42

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.268 $\pm$ 1.152 χ^2 /NDF: 2266.2/16

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 161.906 $\pm$ 0.875 χ^2 /NDF: 1709.7/19

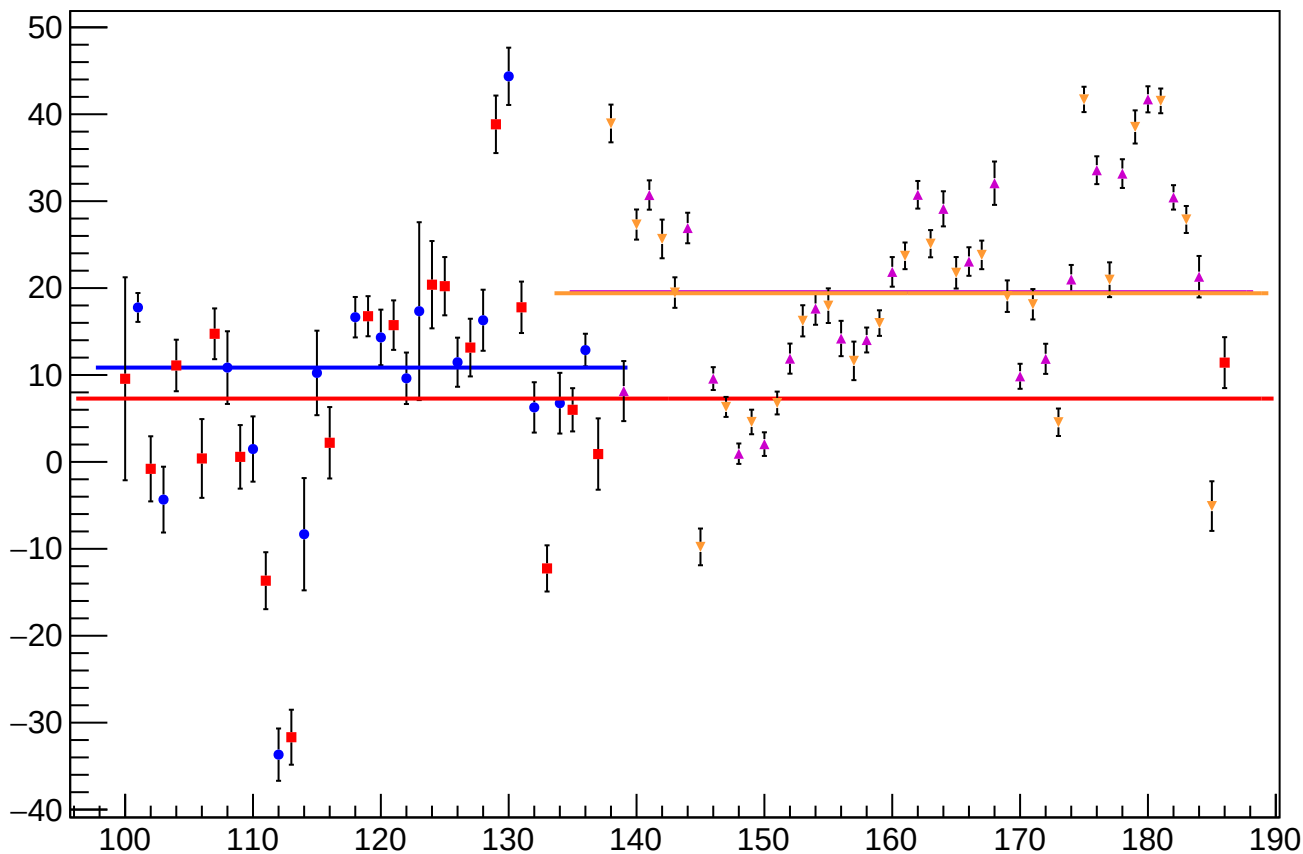
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 114.480 $\pm$ 0.363 χ^2 /NDF: 8118.5/41

All: 116.597 $\pm$ 0.253 χ^2 /NDF: 16526.2/84

- sign 118.606 $\pm$ 0.353 χ^2 /NDF: 8341.3/42

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.853 $\pm$ 0.721 χ^2 /NDF: 386.3/16

Left Out: 19.405 $\pm$ 0.335 χ^2 /NDF:1453.4/24

Right Out: 7.287 $\pm$ 0.725 χ^2 /NDF: 425.5/19

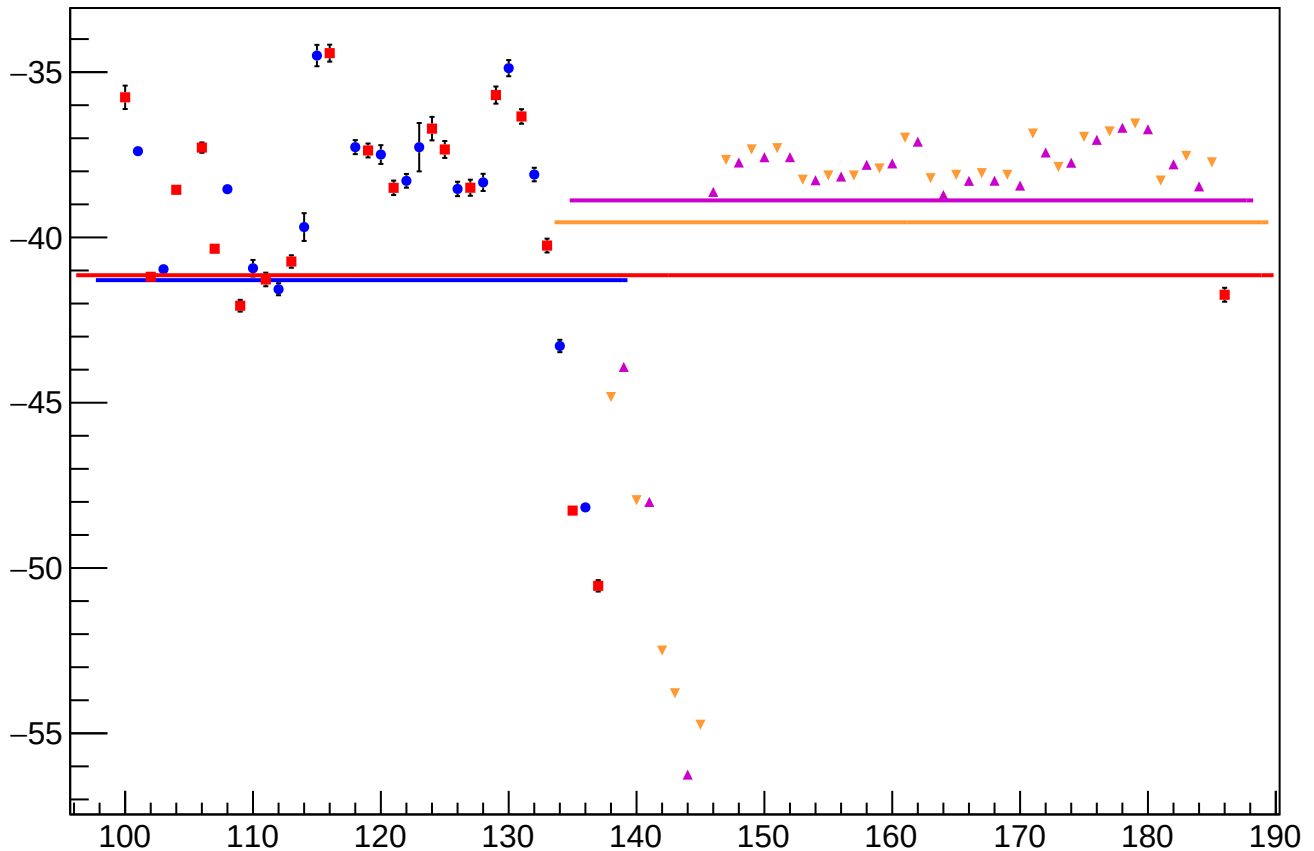
Left In: 19.530 $\pm$ 0.342 χ^2 /NDF:1181.3/22

+ sign 17.888 $\pm$ 0.304 χ^2 /NDF: 1955.6/41

All: 17.599 $\pm$ 0.217 χ^2 /NDF: 3797.2/84

- sign 17.298 $\pm$ 0.310 χ^2 /NDF: 1839.8/42

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.292 ± 0.039 χ^2/NDF : 12502.4/16

Left Out: -39.542 ± 0.016 χ^2/NDF : 92024.1/24

Right Out: -41.143 ± 0.038 χ^2/NDF : 12123.1/19

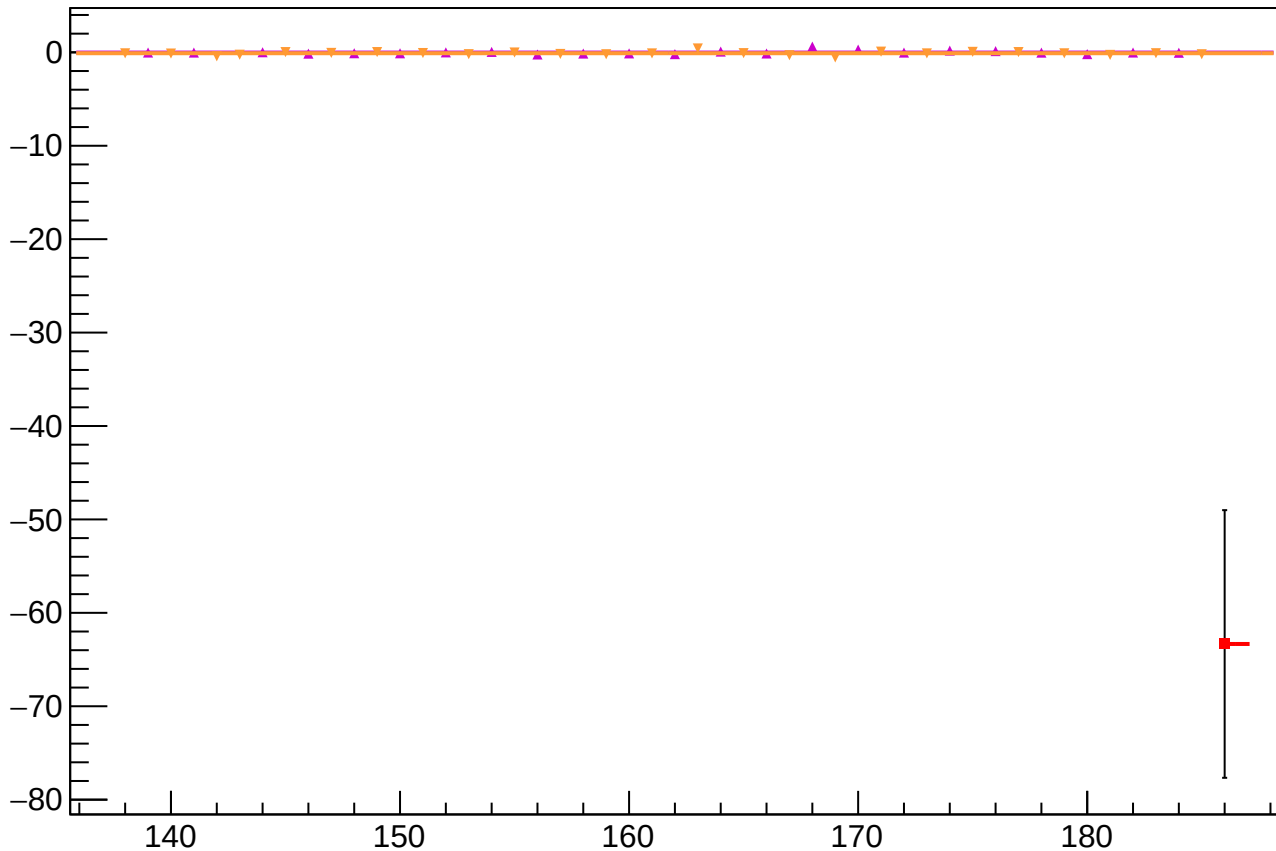
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.791 ± 0.015 χ^2/NDF : 106287.0/41

All: -39.504 ± 0.010 χ^2/NDF : 175610.2/84

- sign -39.215 ± 0.015 χ^2/NDF : 68546.0/42

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.095 $\pm$ 0.022 χ^2 /NDF: 41.8/24

Right Out: -63.334 $\pm$ 14.326 χ^2 /NDF: 0.0/0

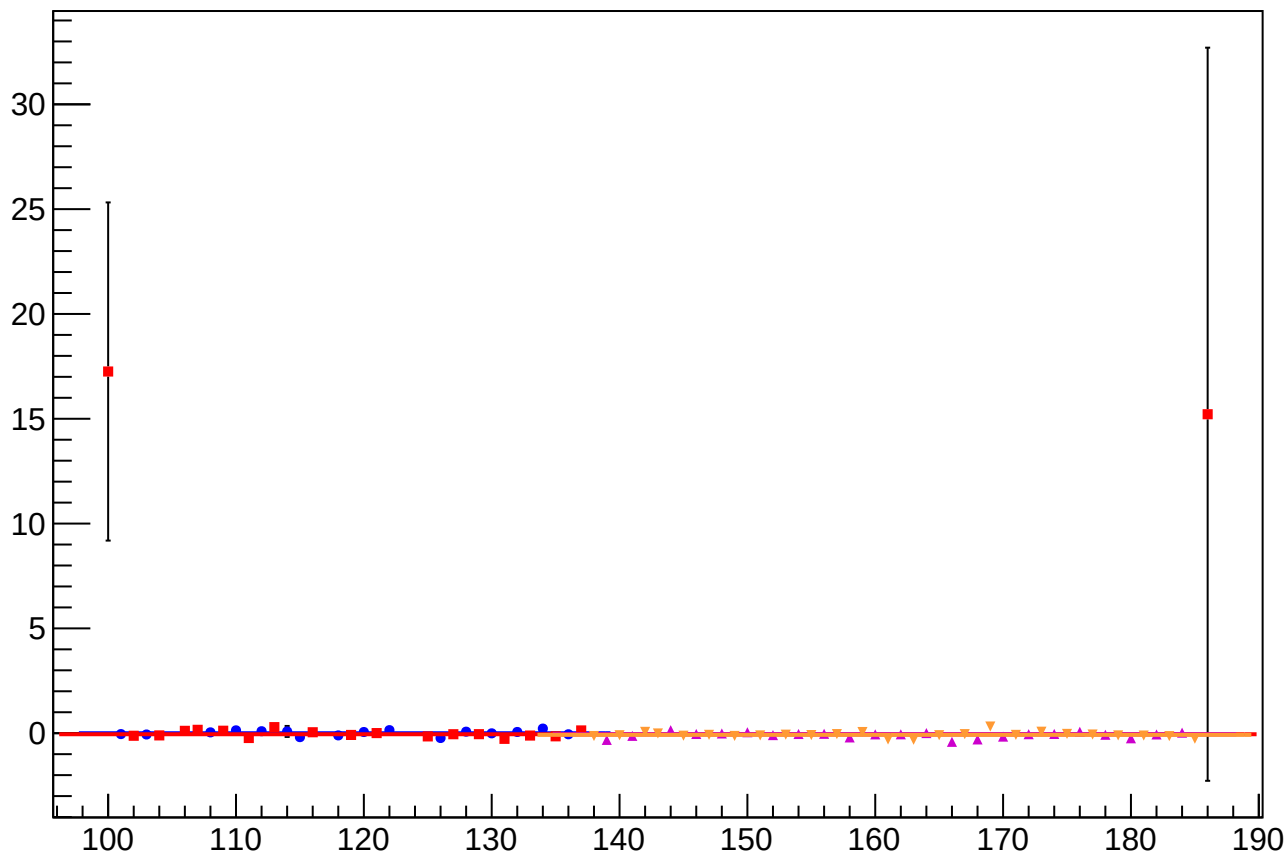
Left In: -0.026 $\pm$ 0.022 χ^2 /NDF: 33.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -0.061 $\pm$ 0.016 χ^2 /NDF: 99.6/48

- sign -0.026 $\pm$ 0.022 χ^2 /NDF: 52.8/23

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 12.7/15

Left Out: -0.078 ± 0.017 χ^2/NDF : 26.6/24

Right Out: -0.050 ± 0.029 χ^2/NDF : 26.3/18

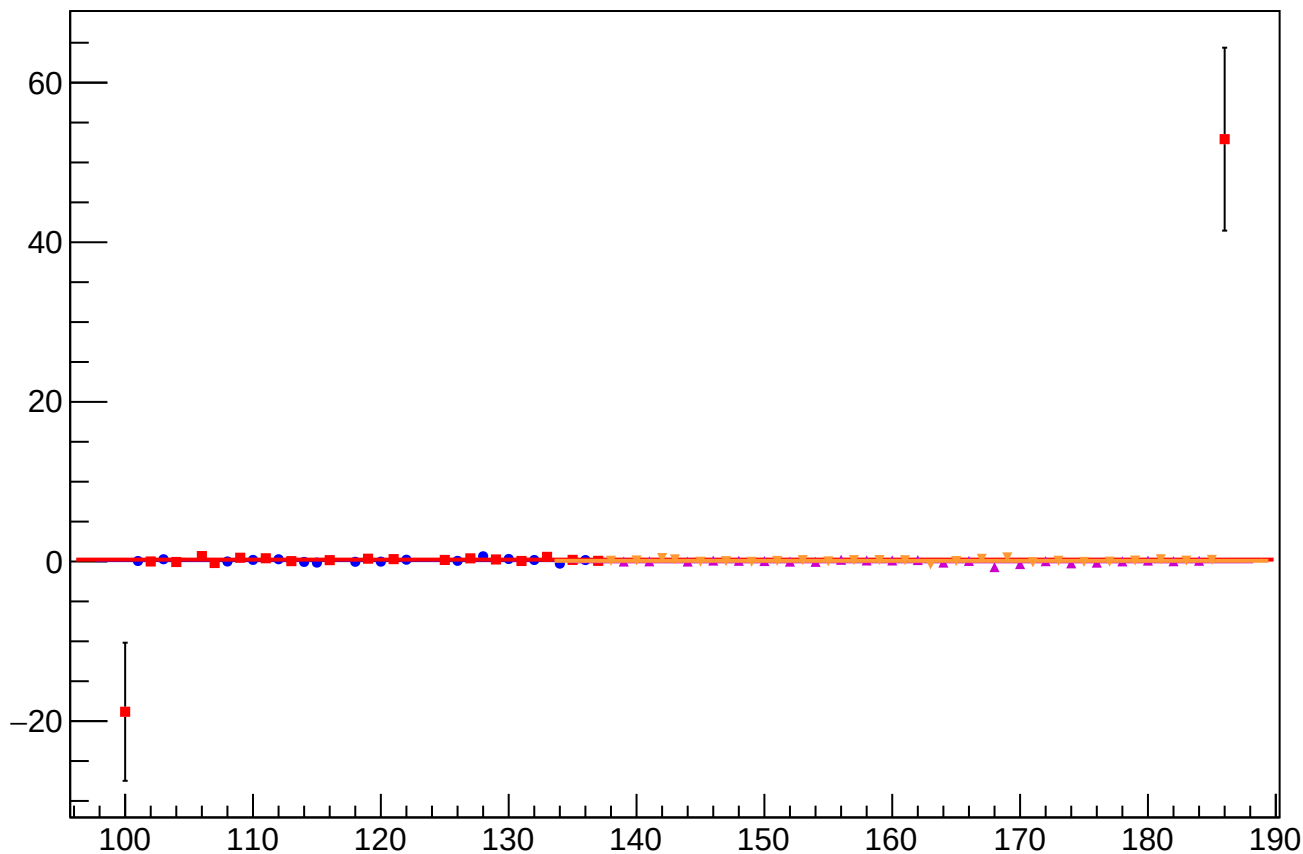
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.058 ± 0.015 χ^2/NDF : 44.5/40

All: -0.055 ± 0.010 χ^2/NDF : 102.6/82

- sign -0.052 ± 0.015 χ^2/NDF : 58.0/41

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.174 $\pm$ 0.053 χ^2 /NDF: 12.4/15

Left Out: 0.088 $\pm$ 0.022 χ^2 /NDF: 40.7/24

Right Out: 0.237 $\pm$ 0.054 χ^2 /NDF: 42.6/18

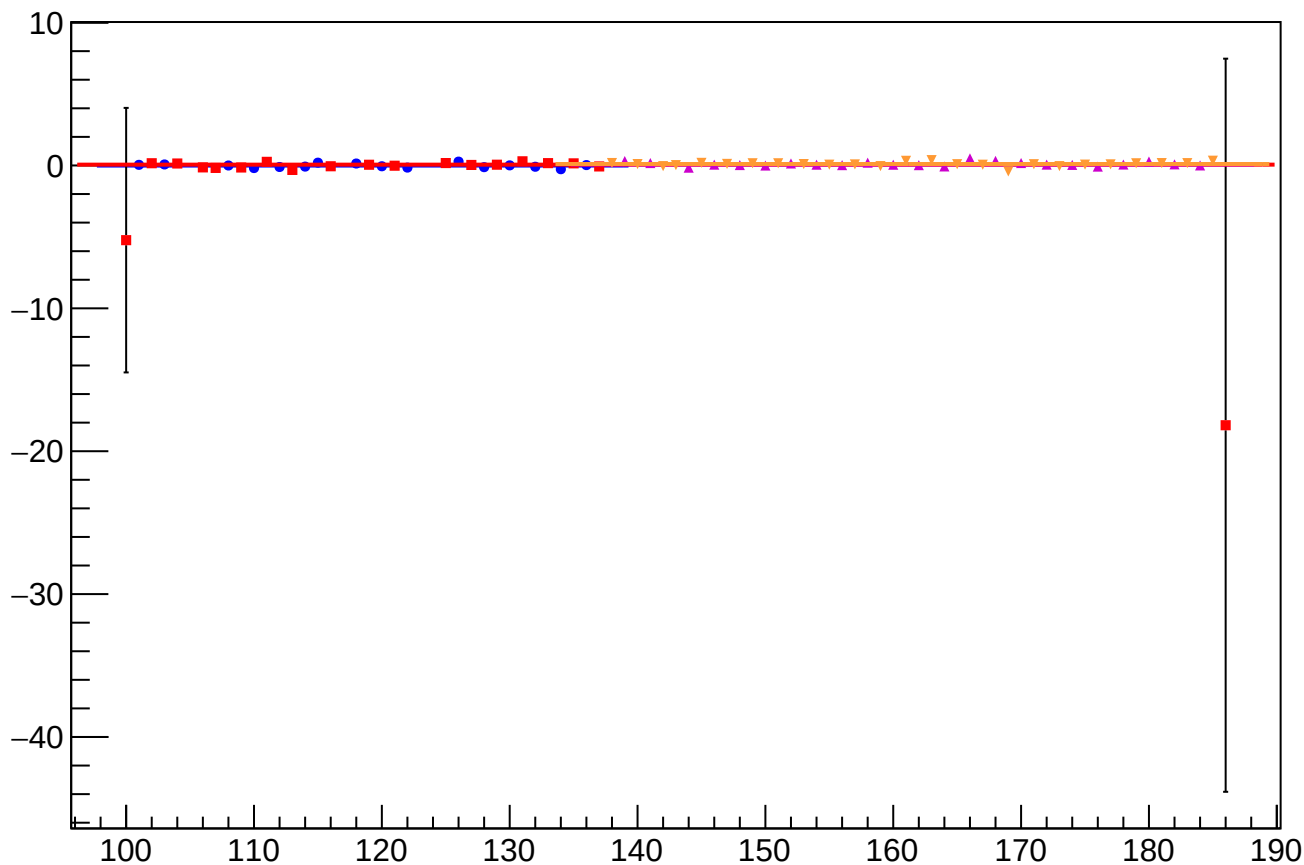
Left In: 0.020 $\pm$ 0.022 χ^2 /NDF: 35.6/22

+ sign 0.100 $\pm$ 0.020 χ^2 /NDF: 55.5/40

All: 0.076 $\pm$ 0.014 χ^2 /NDF: 150.3/82

- sign 0.051 $\pm$ 0.021 χ^2 /NDF: 92.0/41

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.006 ± 0.033 χ^2/NDF : 14.1/15

Left Out: 0.102 ± 0.019 χ^2/NDF : 30.2/24

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.8/18

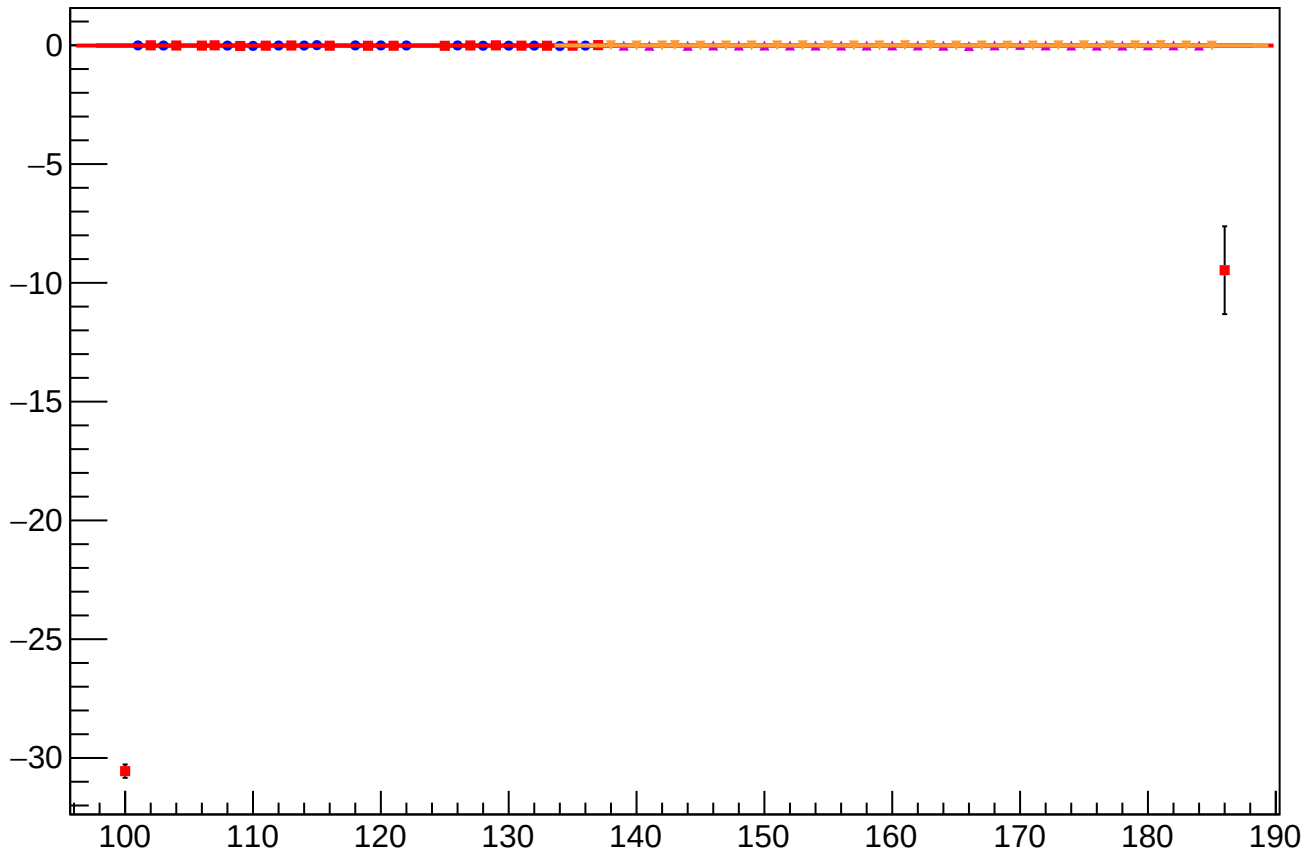
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.074 ± 0.017 χ^2/NDF : 52.4/40

All: 0.070 ± 0.012 χ^2/NDF : 104.8/82

- sign 0.066 ± 0.017 χ^2/NDF : 52.3/41

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF: 34.7/24

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11917.0/18

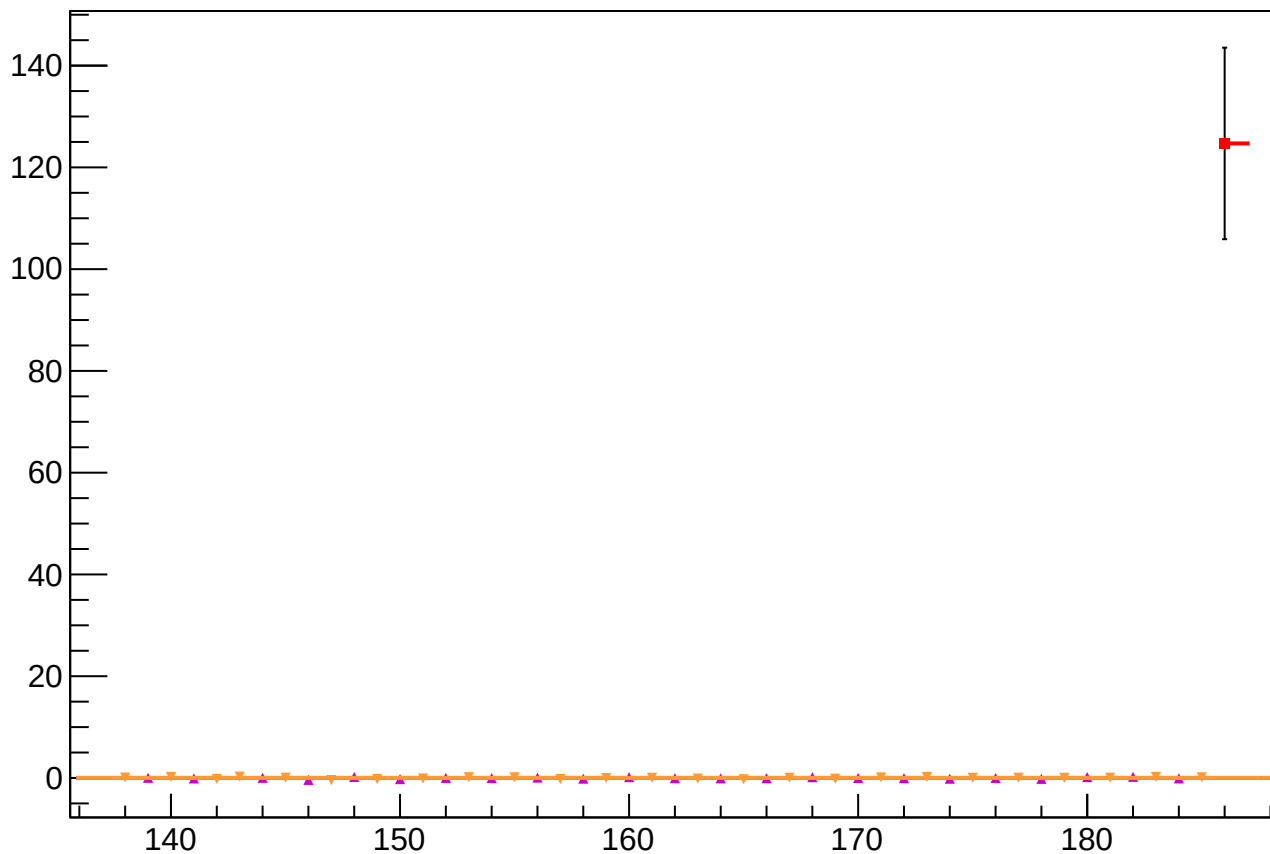
Left In: -0.009 $\pm$ 0.001 χ^2 /NDF: 40.8/22

+ sign -0.008 $\pm$ 0.001 χ^2 /NDF: 52.0/40

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 12013.2/82

- sign -0.009 $\pm$ 0.001 χ^2 /NDF: 11960.5/41

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.017 $\pm$ 0.027 χ^2 /NDF:30.9/24

Right Out: 124.707 $\pm$ 18.821 χ^2 /NDF: 0.0/0

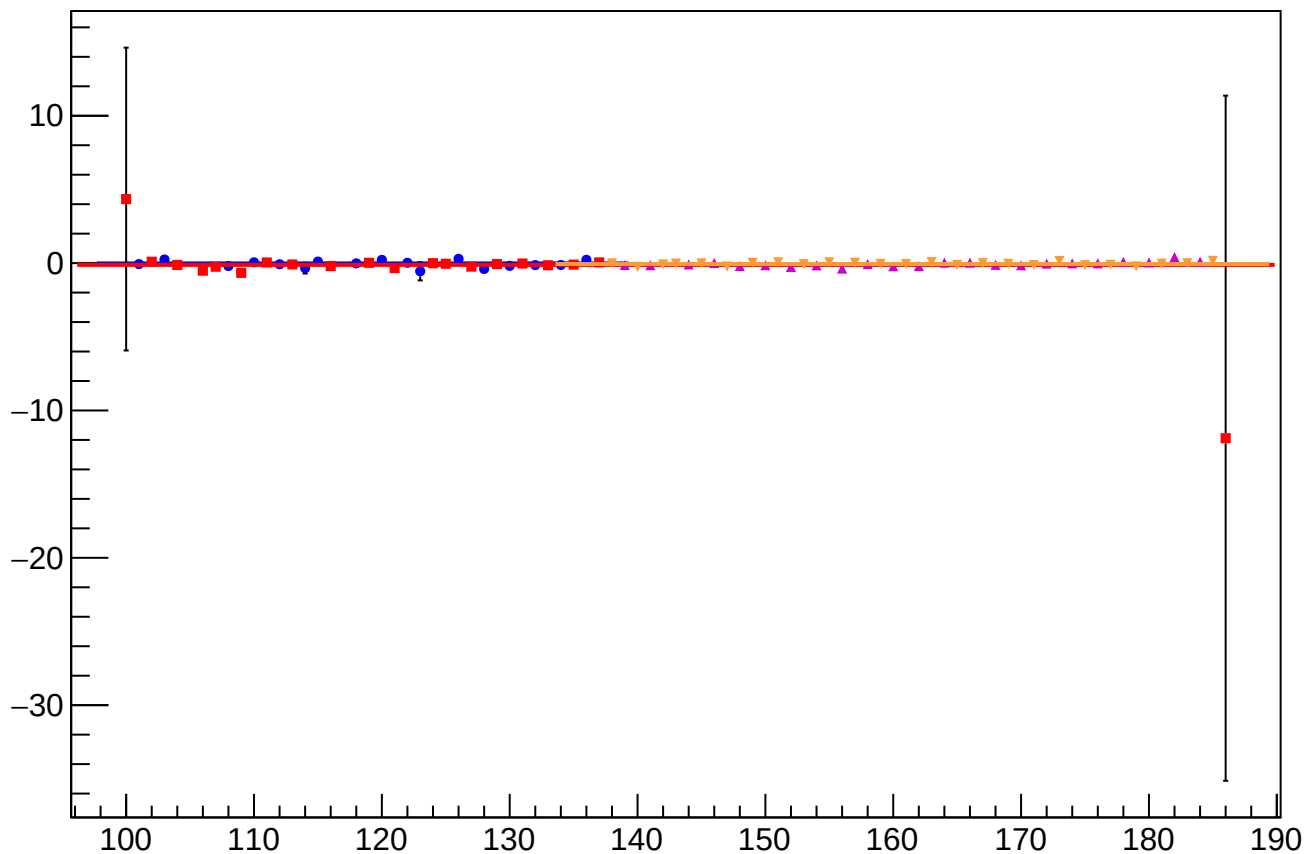
Left In: 0.002 $\pm$ 0.028 χ^2 /NDF:29.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.010 $\pm$ 0.019 χ^2 /NDF: 104.0/48

- sign 0.003 $\pm$ 0.028 χ^2 /NDF: 72.9/23

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 22.9/16

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 18.7/19

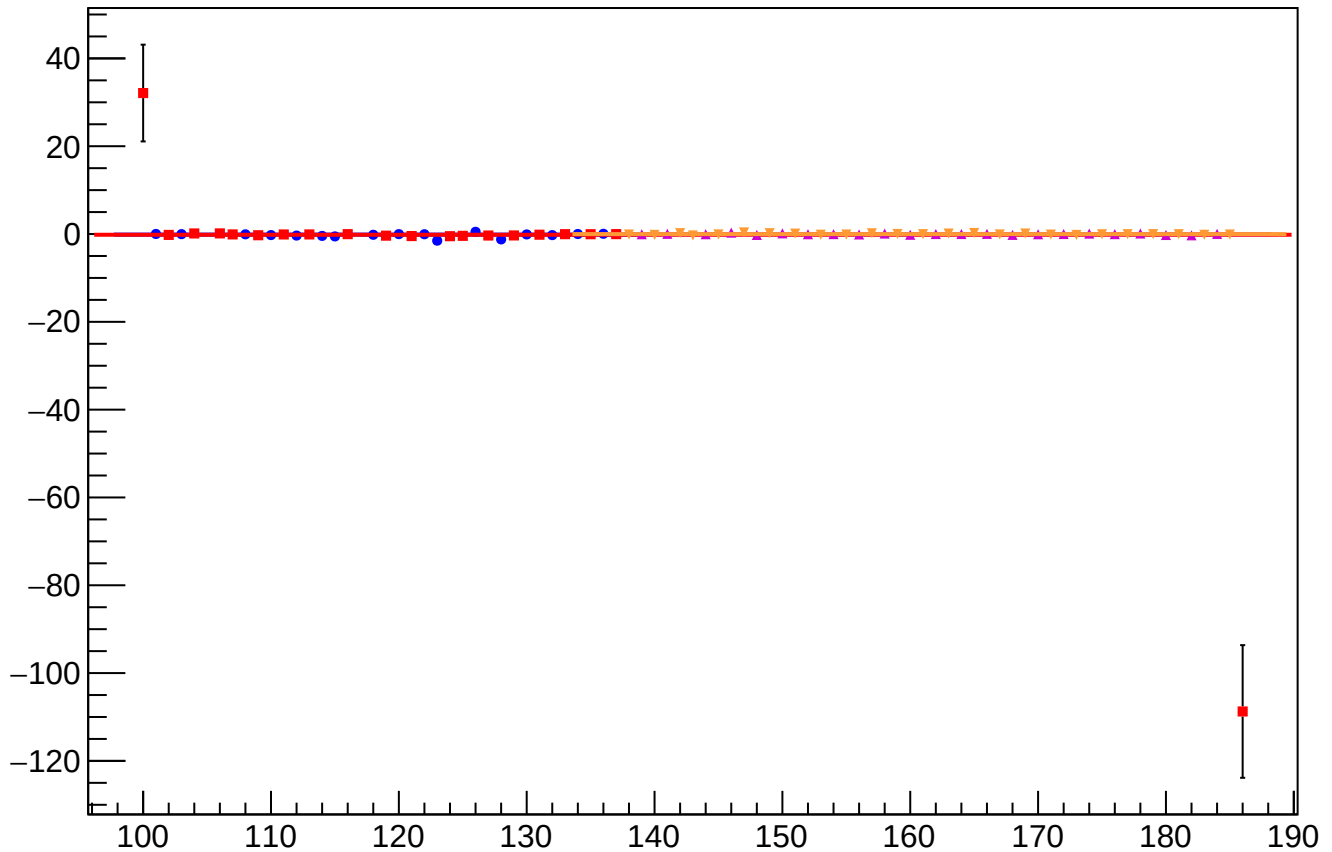
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 48.4/41

All: -0.066 ± 0.013 χ^2/NDF : 118.7/84

- sign -0.083 ± 0.019 χ^2/NDF : 68.9/42

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 24.7/16

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 66.1/19

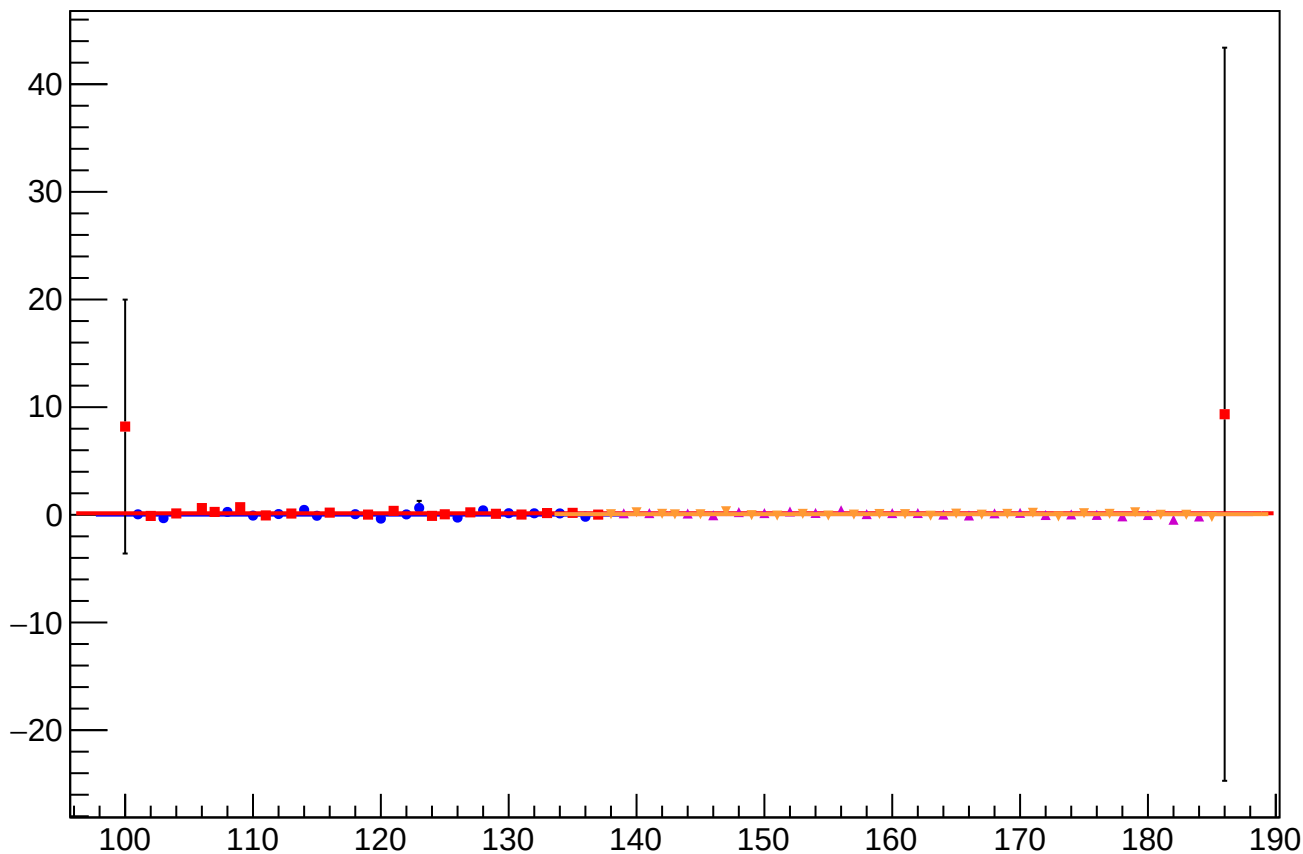
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 56.4/41

All: -0.042 ± 0.018 χ^2/NDF : 154.2/84

- sign -0.050 ± 0.026 χ^2/NDF : 97.6/42

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.019 $\pm$ 0.043 χ^2 /NDF: 21.6/16

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF:24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 16.9/19

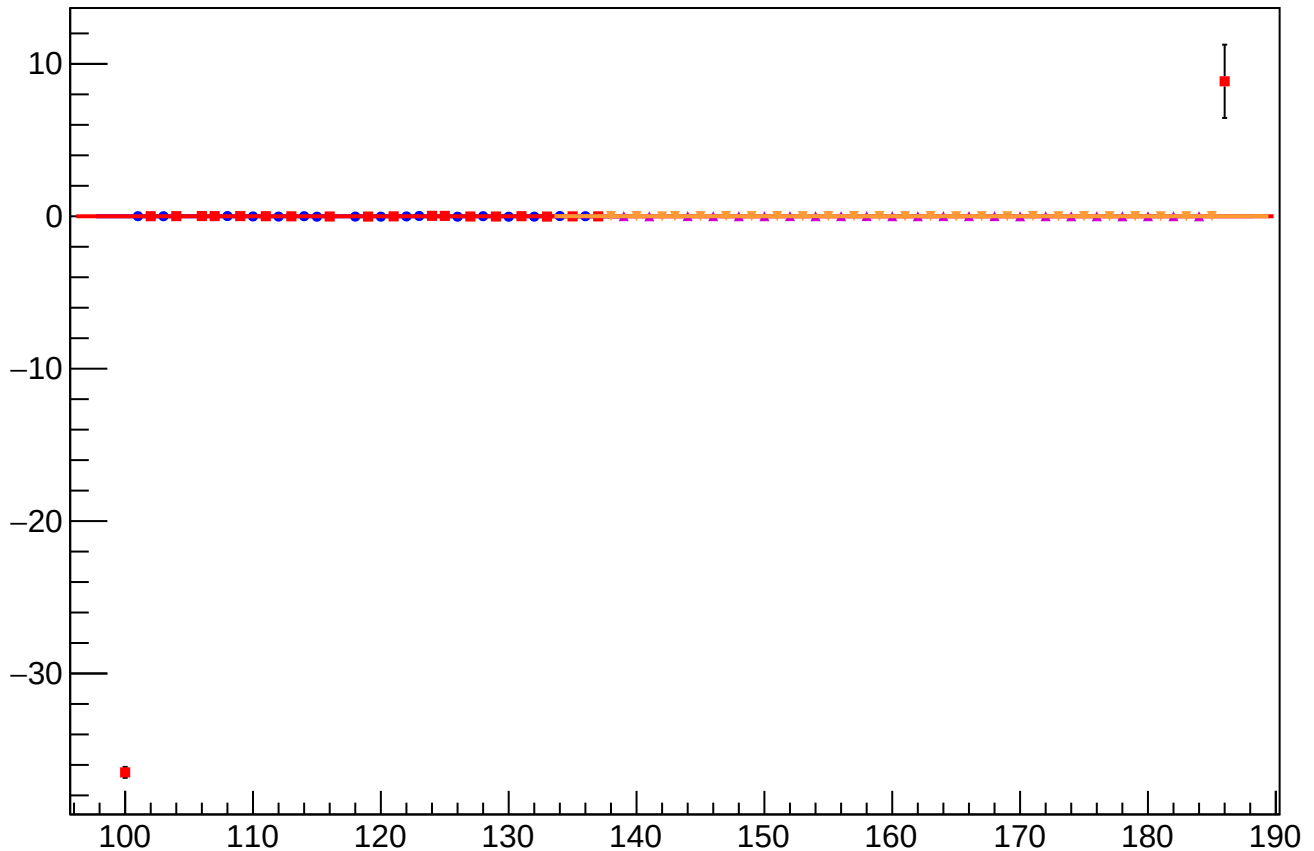
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 47.1/41

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 119.2/84

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 70.8/42

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 30.5/16

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10462.7/19

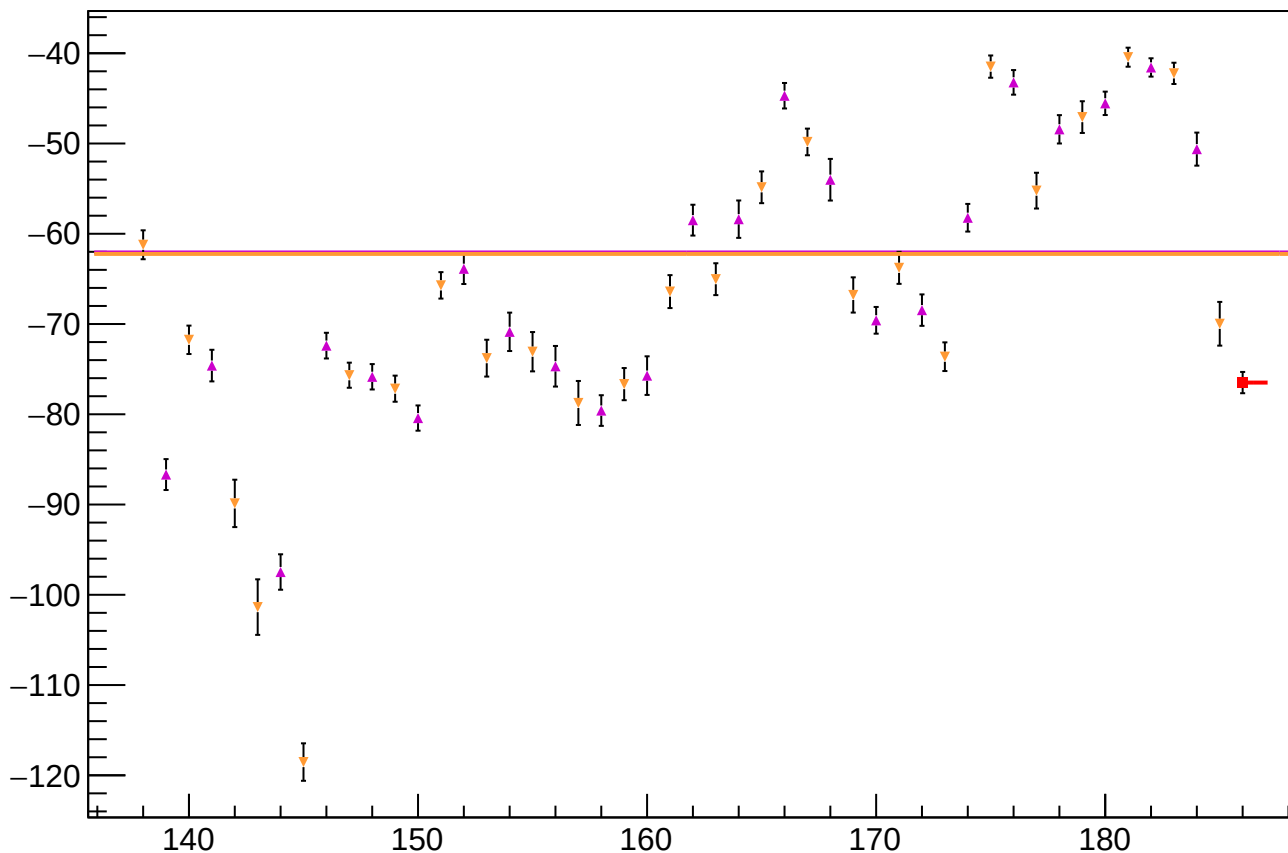
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 64.9/41

All: 0.007 ± 0.001 χ^2/NDF : 10553.1/84

- sign 0.007 ± 0.001 χ^2/NDF : 10488.1/42

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -62.232 $\pm$ 0.332 χ^2 /NDF:2668.5/24

Right Out: -76.488 $\pm$ 1.179 χ^2 /NDF: 0.0/0

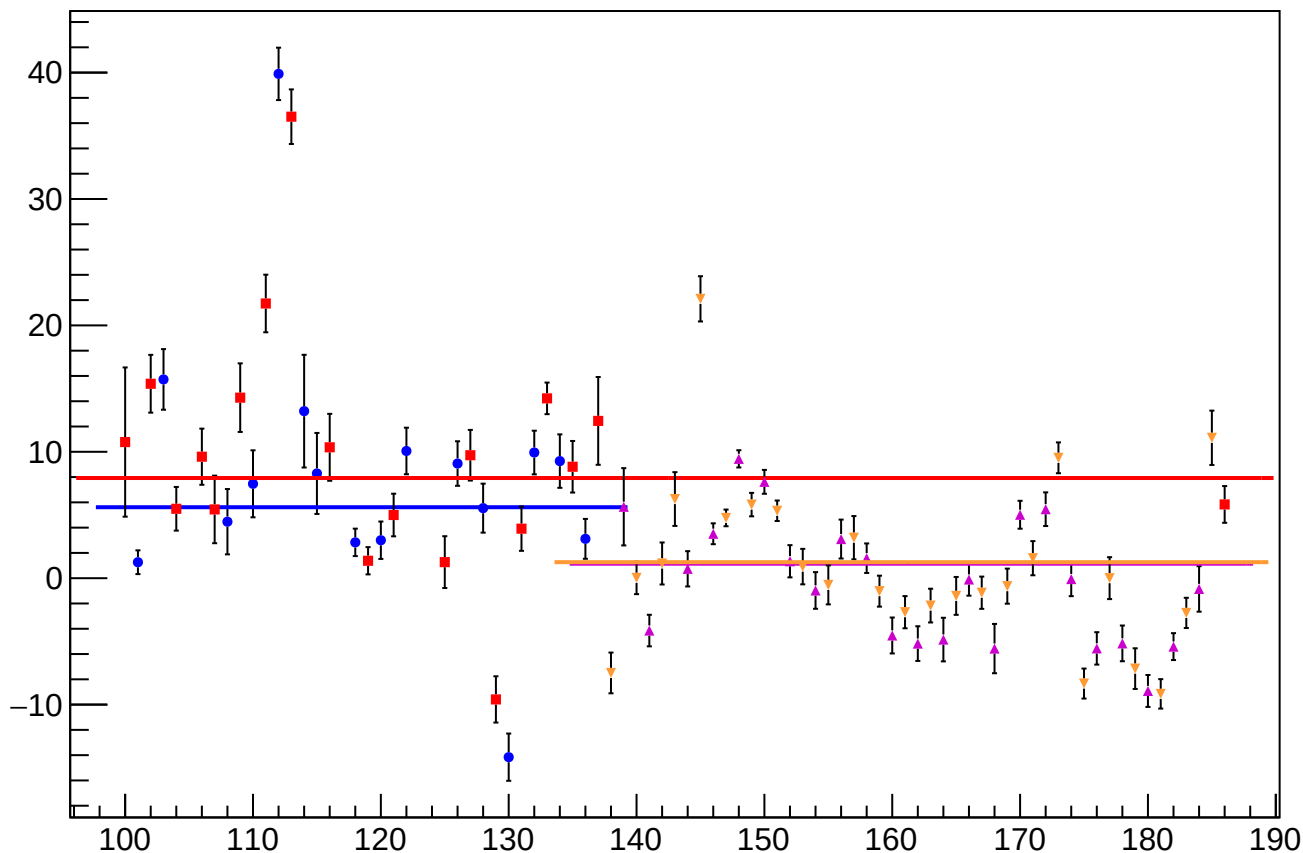
Left In: -62.073 $\pm$ 0.332 χ^2 /NDF:2192.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -62.700 $\pm$ 0.230 χ^2 /NDF: 5002.9/48

- sign -63.135 $\pm$ 0.320 χ^2 /NDF: 2330.5/23

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.615 ± 0.430 $\chi^2/\text{NDF}: 460.0/15$

Left Out: 1.269 ± 0.251 $\chi^2/\text{NDF}: 531.9/24$

Right Out: 7.926 ± 0.433 $\chi^2/\text{NDF}: 409.9/18$

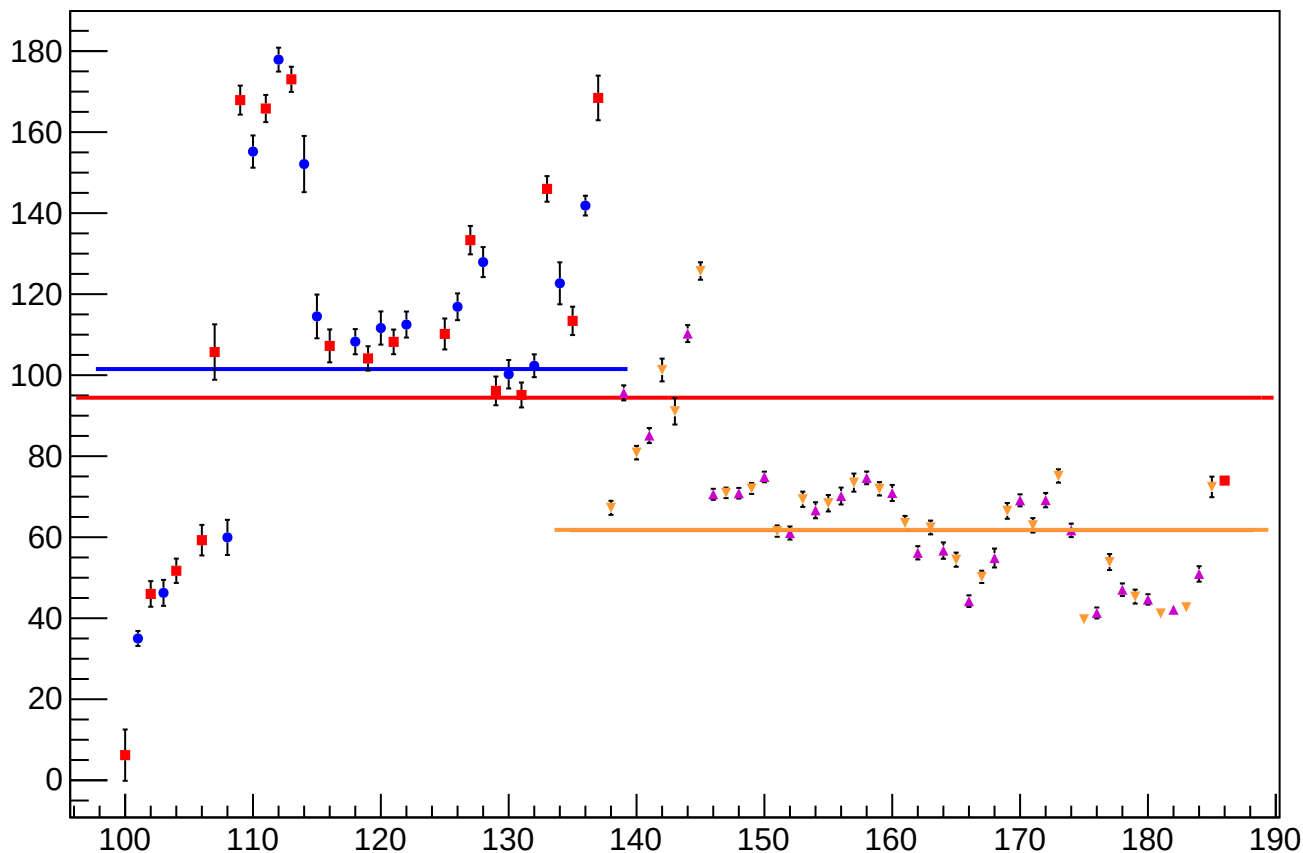
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ sign 2.373 ± 0.217 $\chi^2/\text{NDF}: 1068.2/40$

All: 2.631 ± 0.154 $\chi^2/\text{NDF}: 2126.1/82$

- sign 2.897 ± 0.220 $\chi^2/\text{NDF}: 1055.0/41$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.513 $\pm$ 0.813 χ^2 /NDF: 2973.2/15

Left Out: 61.812 $\pm$ 0.331 χ^2 /NDF:2686.4/24

Right Out: 94.440 $\pm$ 0.626 χ^2 /NDF: 3362.6/18

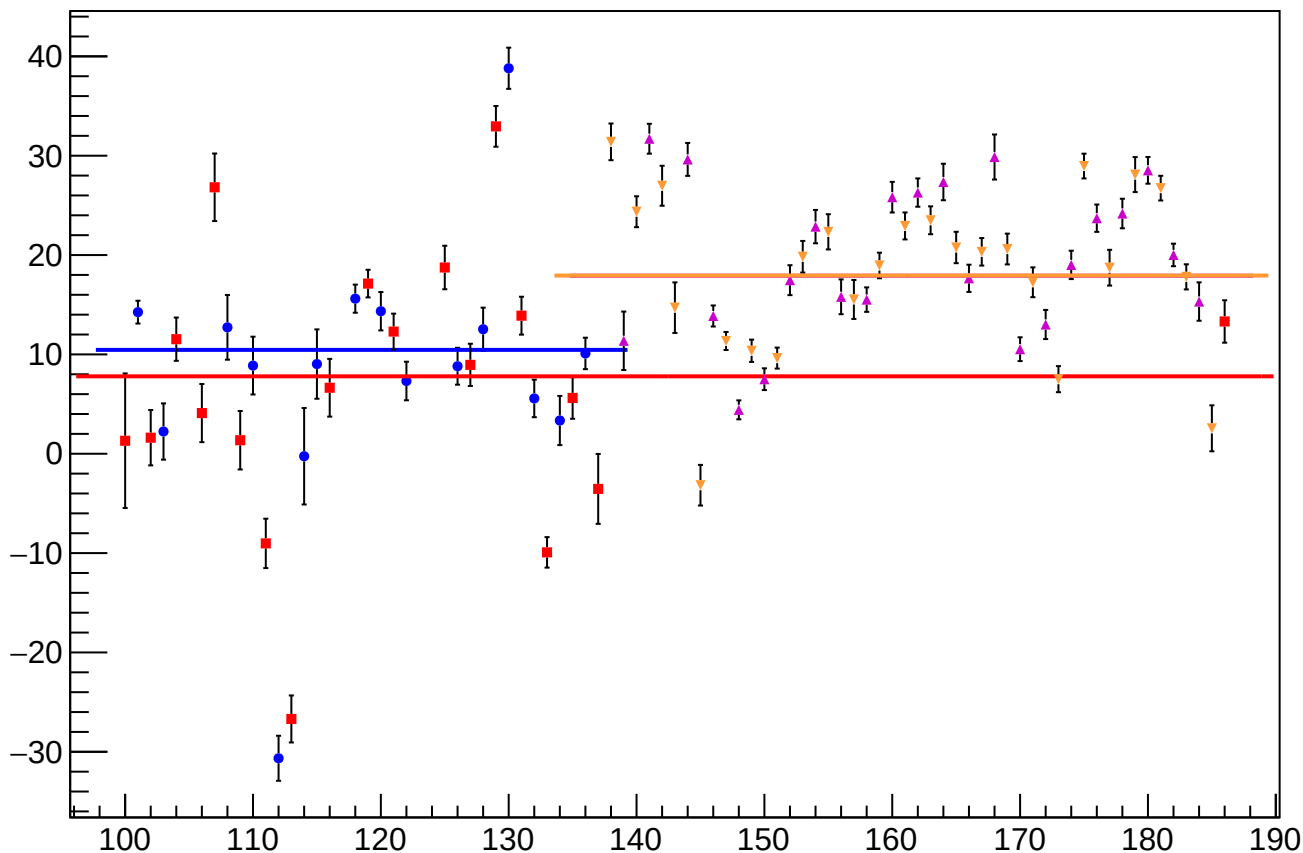
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF:2418.2/22

+ sign 67.442 $\pm$ 0.306 χ^2 /NDF: 7704.0/40

All: 68.193 $\pm$ 0.211 χ^2 /NDF: 15631.3/82

- sign 68.875 $\pm$ 0.292 χ^2 /NDF: 7915.8/41

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.455 $\pm$ 0.498 χ^2 /NDF: 577.9/15

Left Out: 17.937 $\pm$ 0.289 χ^2 /NDF: 676.0/24

Right Out: 7.793 $\pm$ 0.509 χ^2 /NDF: 693.6/18

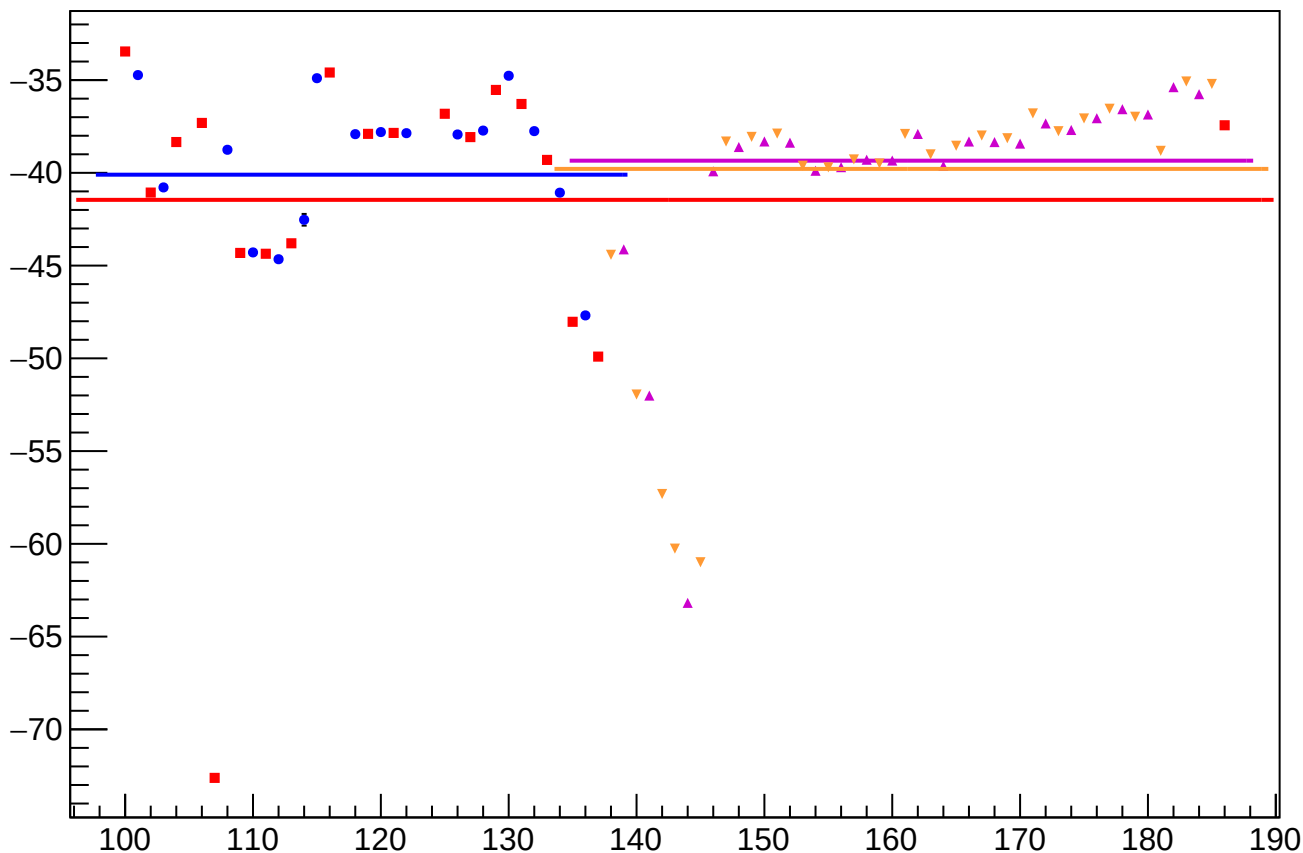
Left In: 17.916 $\pm$ 0.292 χ^2 /NDF: 726.5/22

+ sign 16.054 $\pm$ 0.250 χ^2 /NDF: 1422.7/40

All: 15.734 $\pm$ 0.178 χ^2 /NDF: 3143.5/82

- sign 15.405 $\pm$ 0.254 χ^2 /NDF: 1717.5/41

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.100 ± 0.028 χ^2/NDF : 25059.4/15

Left Out: -39.788 ± 0.014 χ^2/NDF : 165493.8/24

Right Out: -41.456 ± 0.028 χ^2/NDF : 62396.3/18

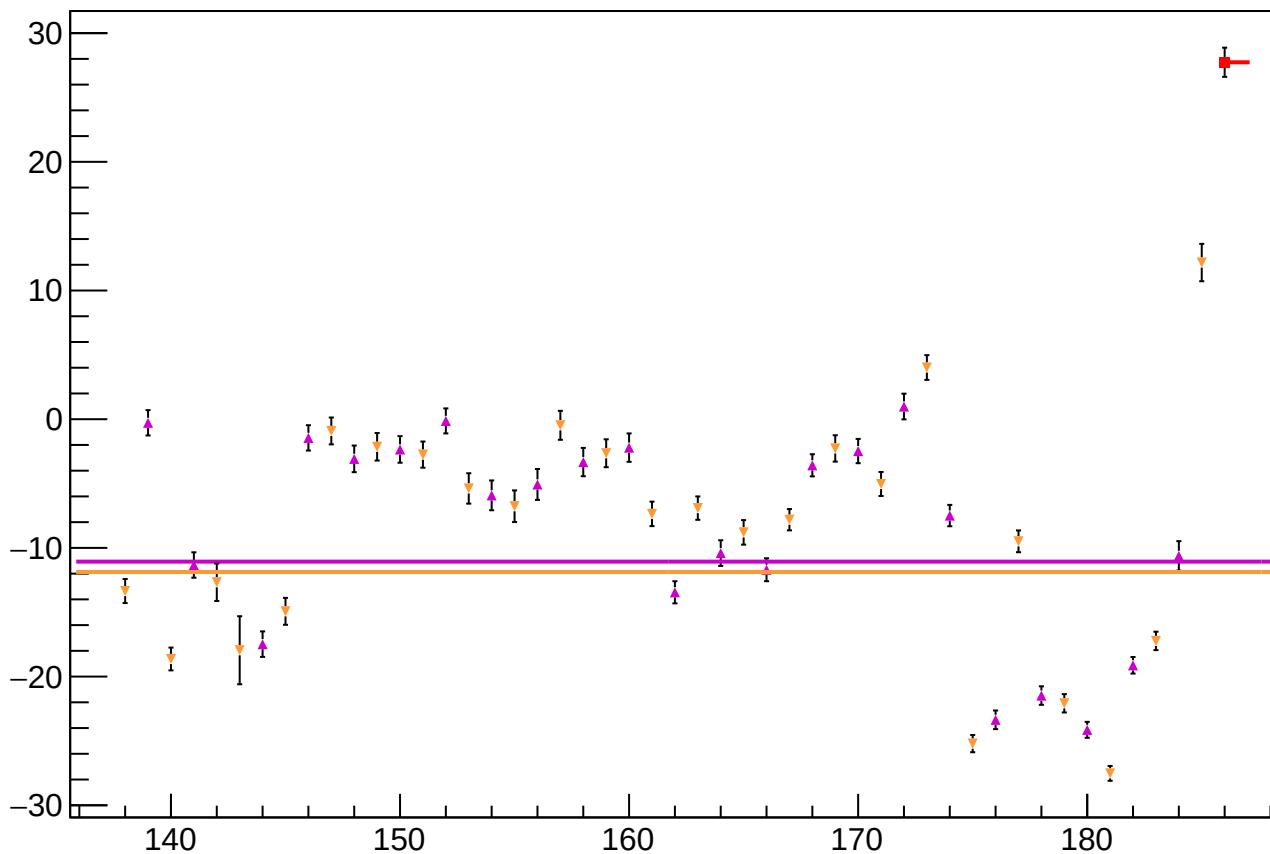
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.846 ± 0.012 χ^2/NDF : 190651.6/40

All: -39.795 ± 0.009 χ^2/NDF : 374267.5/82

- sign -39.744 ± 0.012 χ^2/NDF : 183581.1/41

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -11.873 $\pm$ 0.186 χ^2 /NDF:2745.2/24

Right Out: 27.736 $\pm$ 1.135 χ^2 /NDF: 0.0/0

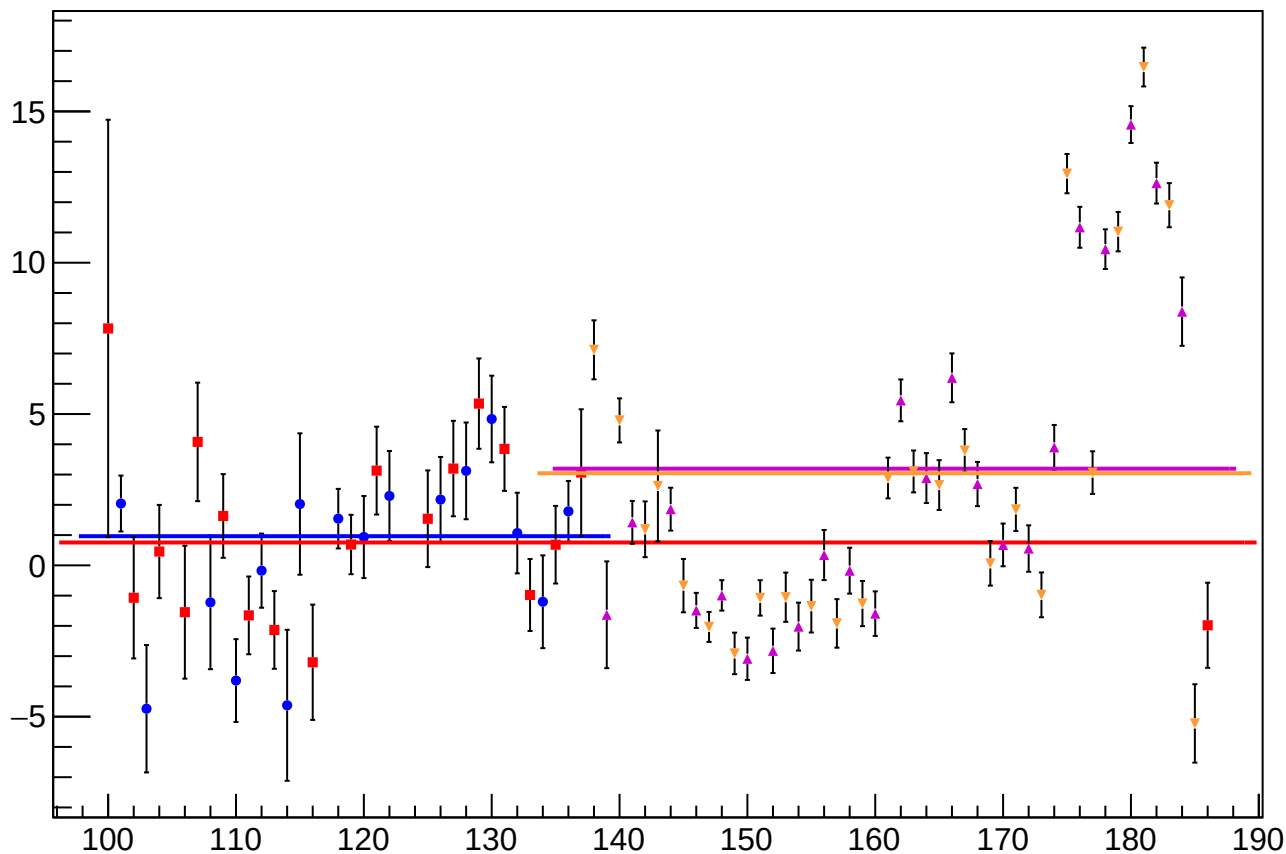
Left In: -11.067 $\pm$ 0.188 χ^2 /NDF:2104.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -10.947 $\pm$ 0.131 χ^2 /NDF: 6037.2/48

- sign -10.031 $\pm$ 0.185 χ^2 /NDF: 3243.0/23

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.963 ± 0.342 χ^2/NDF : 41.6/15

Left Out: 3.044 ± 0.147 χ^2/NDF : 1457.3/24

Right Out: 0.756 ± 0.343 χ^2/NDF : 46.1/18

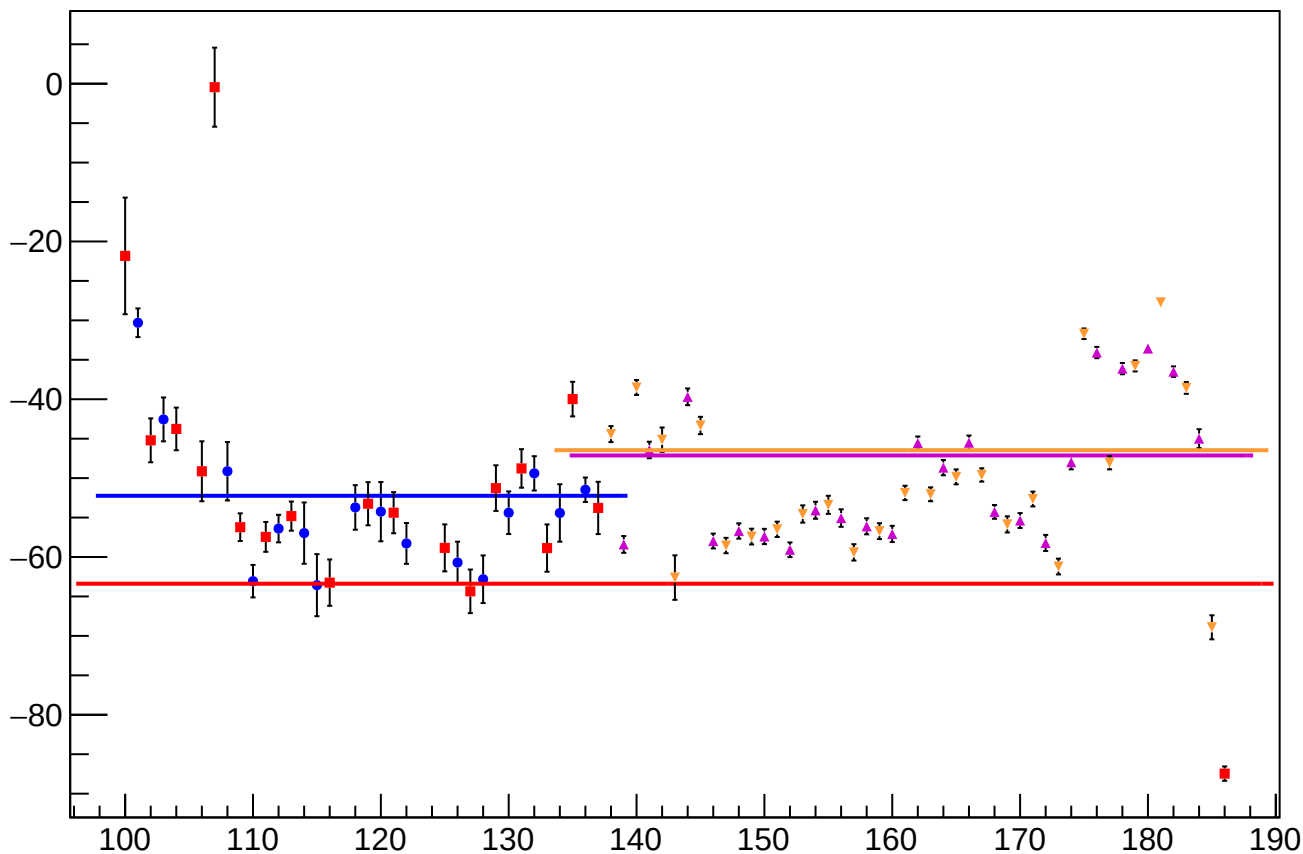
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.718 ± 0.135 χ^2/NDF : 1530.1/40

All: 2.760 ± 0.096 χ^2/NDF : 2913.7/82

- sign 2.803 ± 0.137 χ^2/NDF : 1383.5/41

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.238 ± 0.616 χ^2/NDF : 232.7/15

Left Out: -46.463 ± 0.186 χ^2/NDF : 3319.7/24

Right Out: -63.385 ± 0.511 χ^2/NDF : 1251.2/18

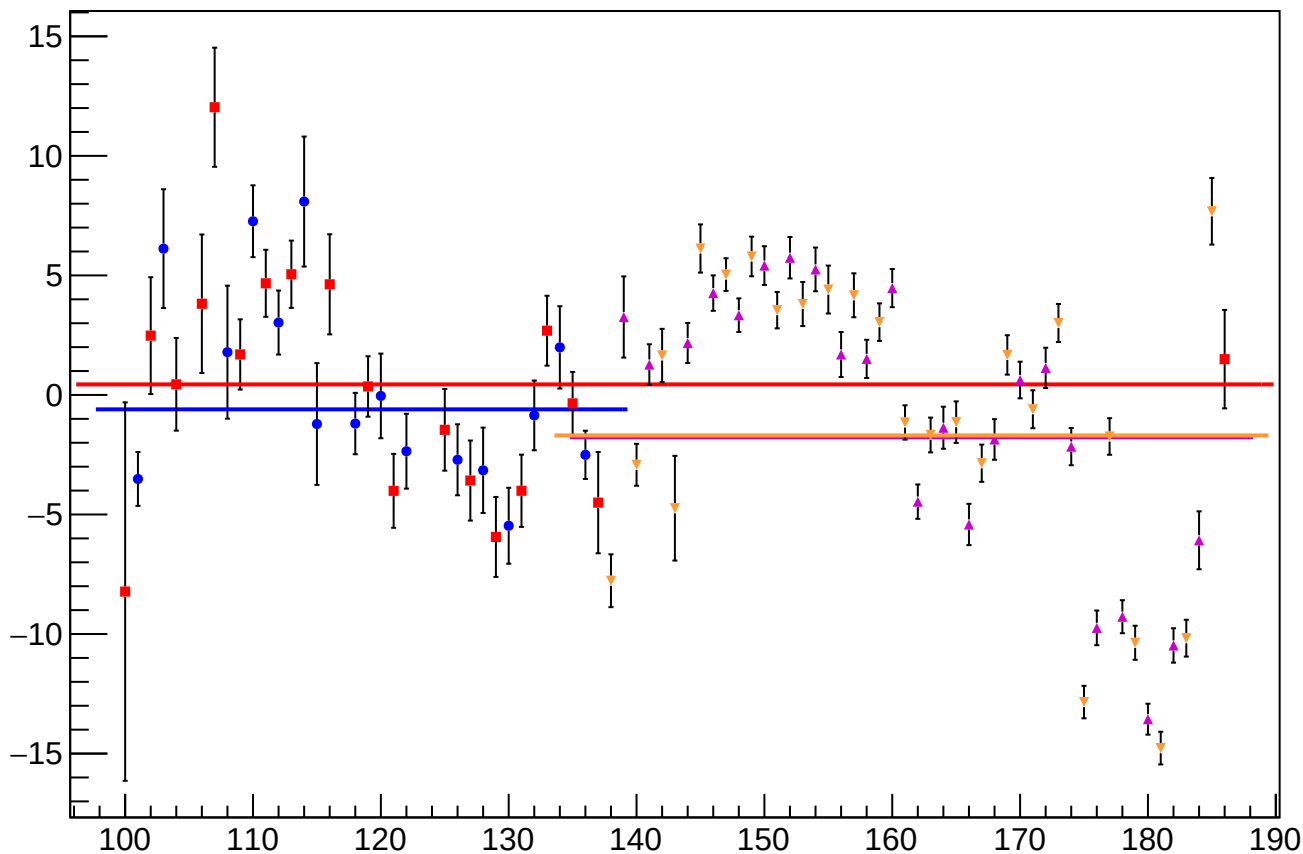
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -46.947 ± 0.178 χ^2/NDF : 3633.0/40

All: -48.014 ± 0.125 χ^2/NDF : 8364.0/82

- sign -49.052 ± 0.176 χ^2/NDF : 4660.2/41

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.603 ± 0.388 χ^2/NDF : 80.7/15

Left Out: -1.693 ± 0.167 χ^2/NDF : 1485.7/24

Right Out: 0.441 ± 0.393 χ^2/NDF : 96.4/18

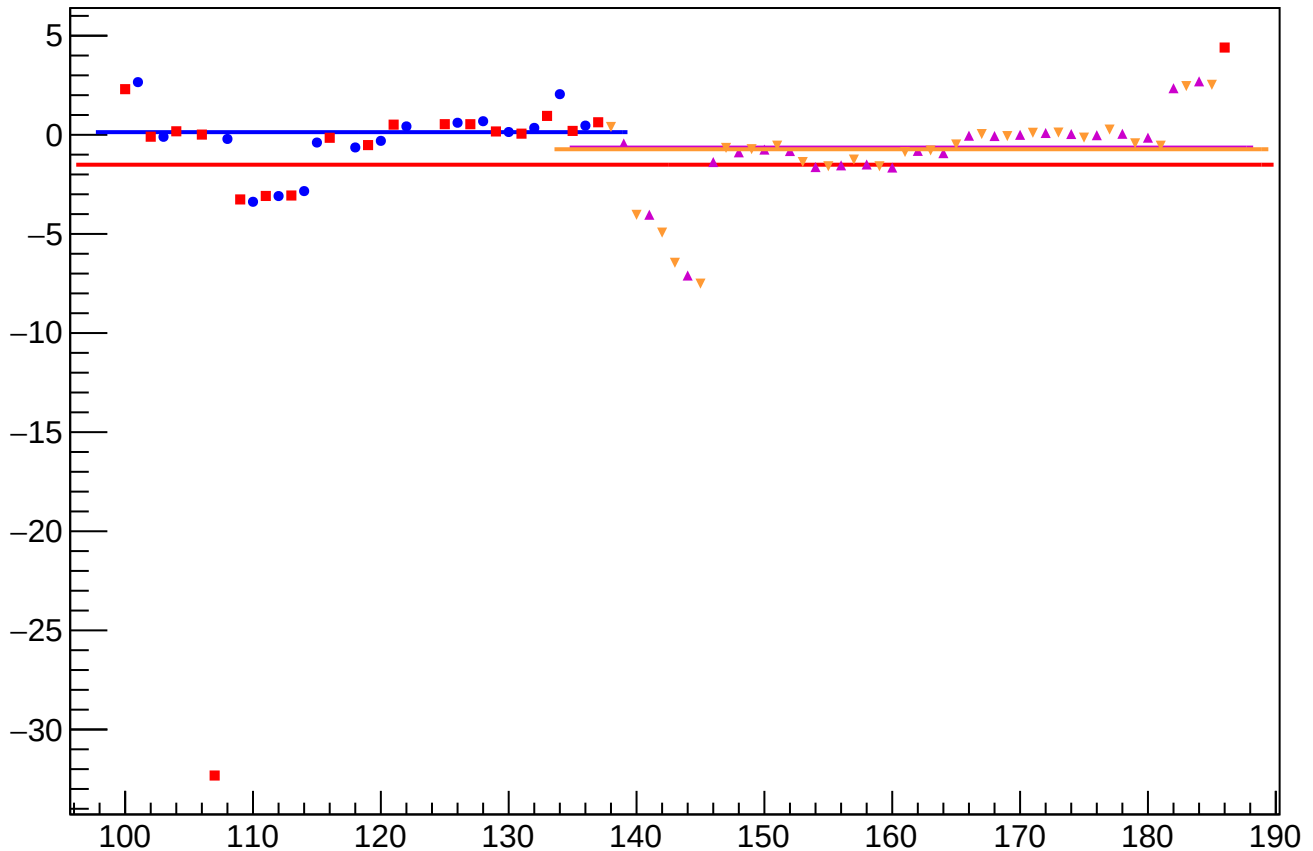
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.523 ± 0.153 χ^2/NDF : 1573.1/40

All: -1.475 ± 0.109 χ^2/NDF : 2947.7/82

- sign -1.426 ± 0.155 χ^2/NDF : 1374.5/41

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.135 ± 0.022 $\chi^2/\text{NDF}: 5228.3/15$

Left Out: -0.728 ± 0.008 $\chi^2/\text{NDF}: 56403.8/24$

Right Out: -1.508 ± 0.022 $\chi^2/\text{NDF}: 79529.3/18$

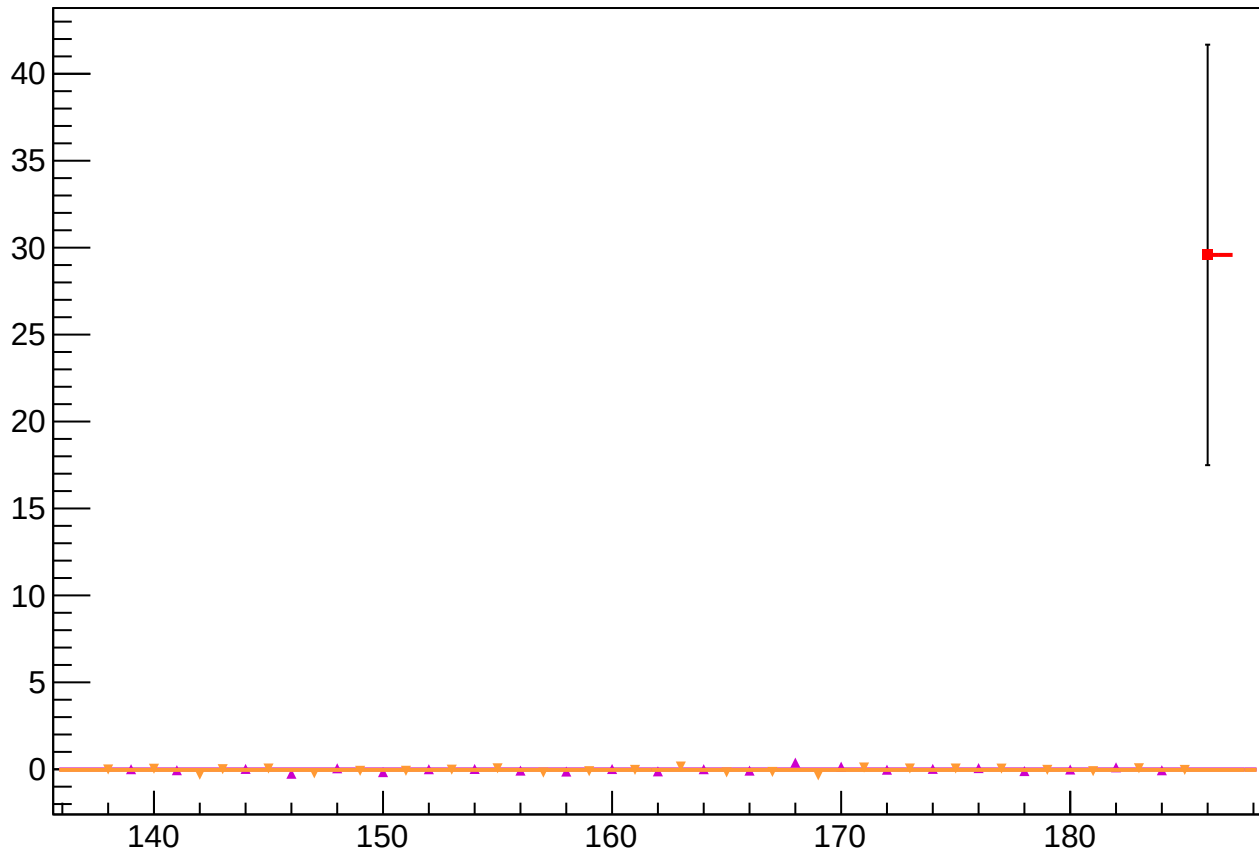
Left In: -0.644 ± 0.008 $\chi^2/\text{NDF}: 44169.2/22$

+ sign -0.632 ± 0.007 $\chi^2/\text{NDF}: 63052.0/40$

All: -0.686 ± 0.005 $\chi^2/\text{NDF}: 188282.7/82$

- sign -0.741 ± 0.007 $\chi^2/\text{NDF}: 125117.5/41$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.036 $\pm$ 0.018 χ^2 /NDF: 35.6/24

Right Out: 29.583 $\pm$ 12.092 χ^2 /NDF: 0.0/0

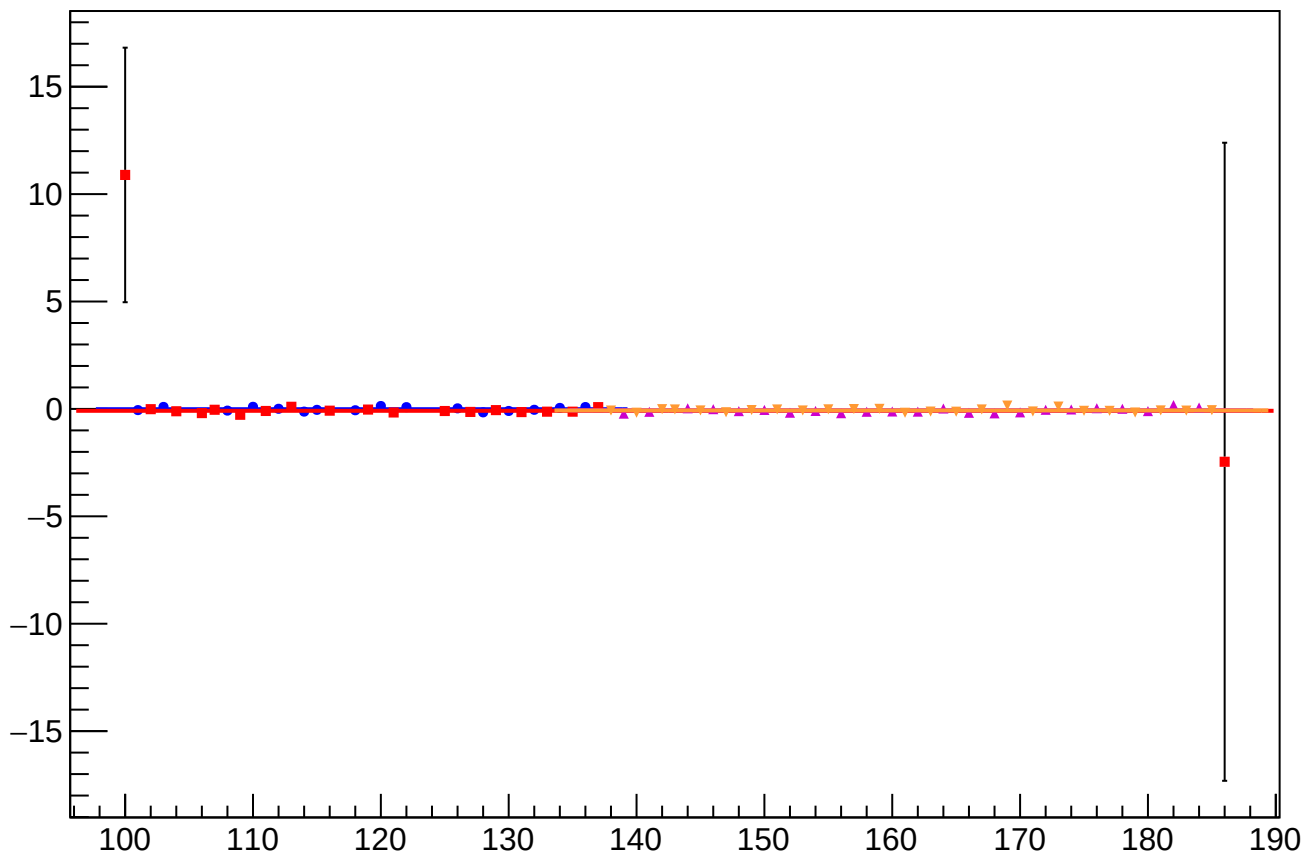
Left In: -0.010 $\pm$ 0.018 χ^2 /NDF: 35.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -0.023 $\pm$ 0.013 χ^2 /NDF: 77.8/48

- sign -0.010 $\pm$ 0.018 χ^2 /NDF: 41.1/23

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 12.0/15

Left Out: -0.071 ± 0.014 χ^2/NDF : 28.3/24

Right Out: -0.088 ± 0.025 χ^2/NDF : 13.0/18

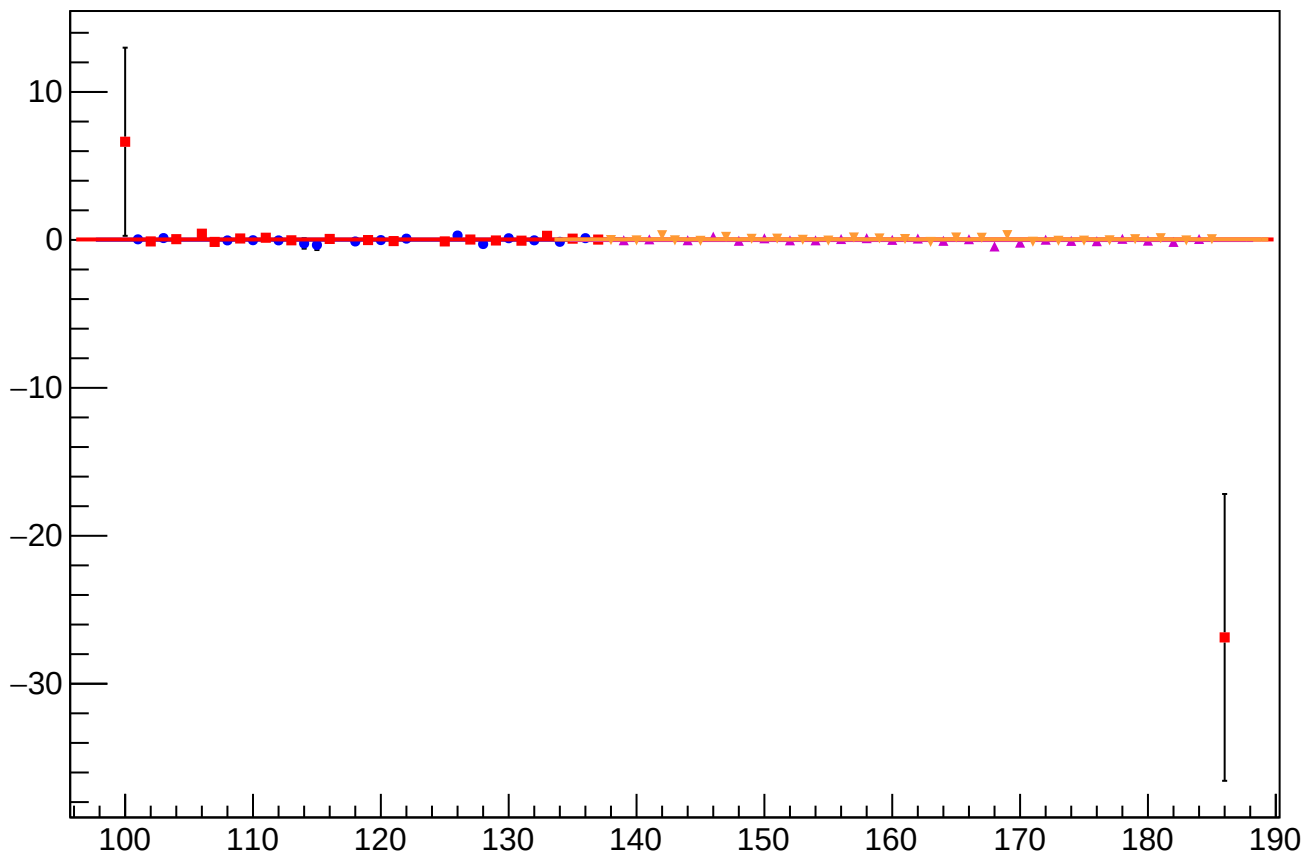
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.056 ± 0.012 χ^2/NDF : 44.8/40

All: -0.063 ± 0.009 χ^2/NDF : 100.1/82

- sign -0.070 ± 0.012 χ^2/NDF : 54.7/41

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 ± 0.043 χ^2/NDF : 9.1/15

Left Out: 0.033 ± 0.018 χ^2/NDF : 32.6/24

Right Out: 0.031 ± 0.045 χ^2/NDF : 16.8/18

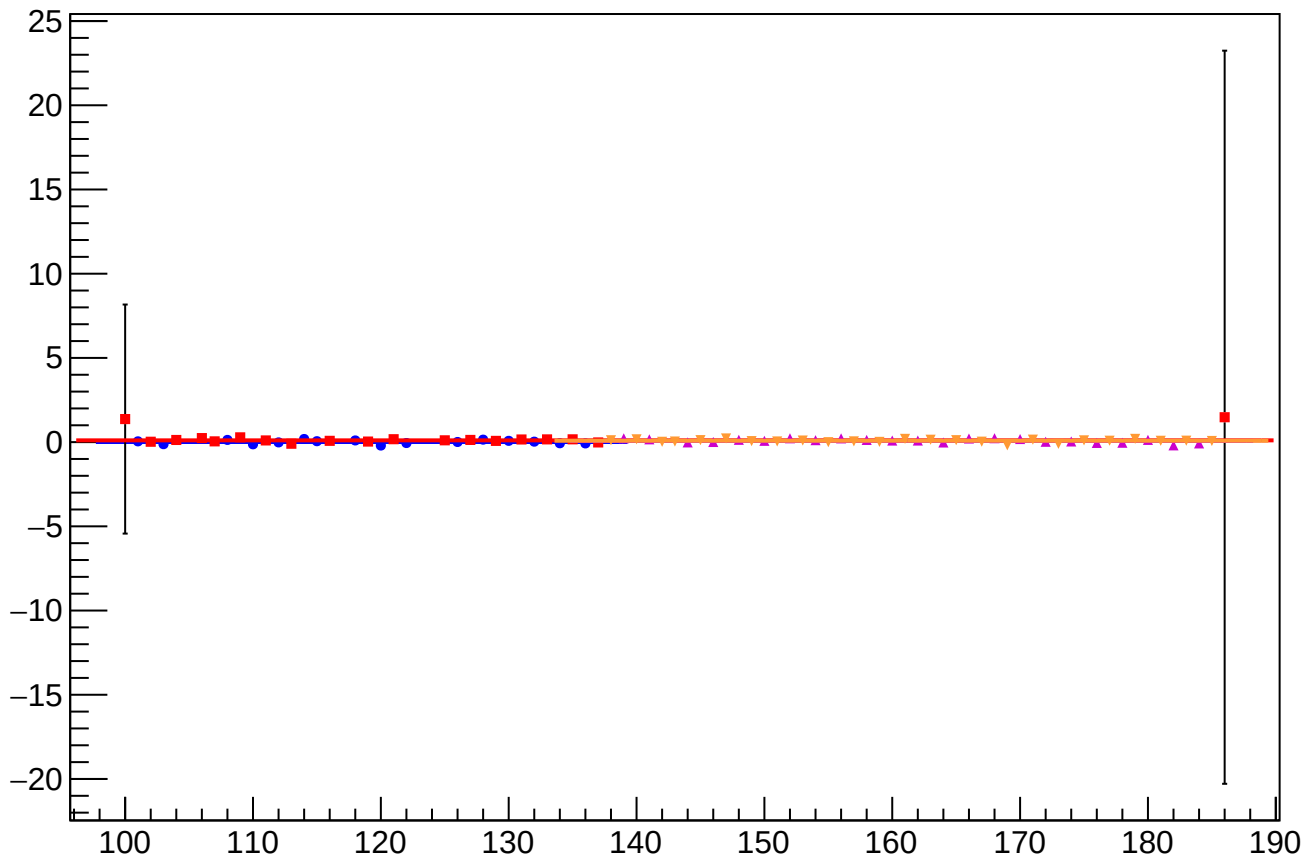
Left In: -0.009 ± 0.018 χ^2/NDF : 36.8/22

+ sign 0.031 ± 0.016 χ^2/NDF : 41.8/40

All: 0.014 ± 0.012 χ^2/NDF : 98.2/82

- sign -0.003 ± 0.017 χ^2/NDF : 54.3/41

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 ± 0.027 χ^2/NDF : 11.7/15

Left Out: 0.084 ± 0.016 χ^2/NDF : 28.1/24

Right Out: 0.105 ± 0.029 χ^2/NDF : 8.1/18

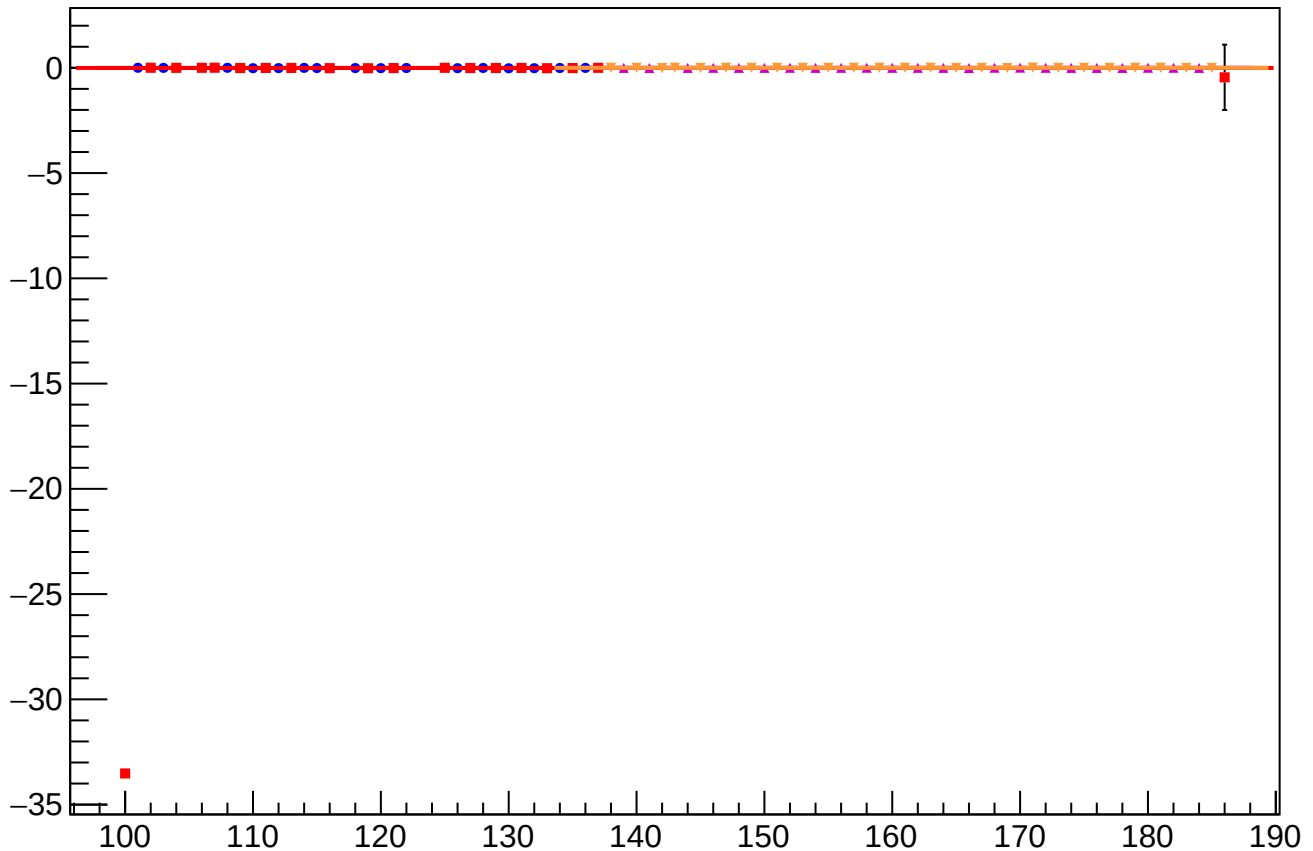
Left In: 0.070 ± 0.016 χ^2/NDF : 44.8/22

+ sign 0.065 ± 0.014 χ^2/NDF : 45.7/40

All: 0.071 ± 0.010 χ^2/NDF : 100.2/82

- sign 0.078 ± 0.014 χ^2/NDF : 54.1/41

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 21.5/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 26.1/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 26509.0/18

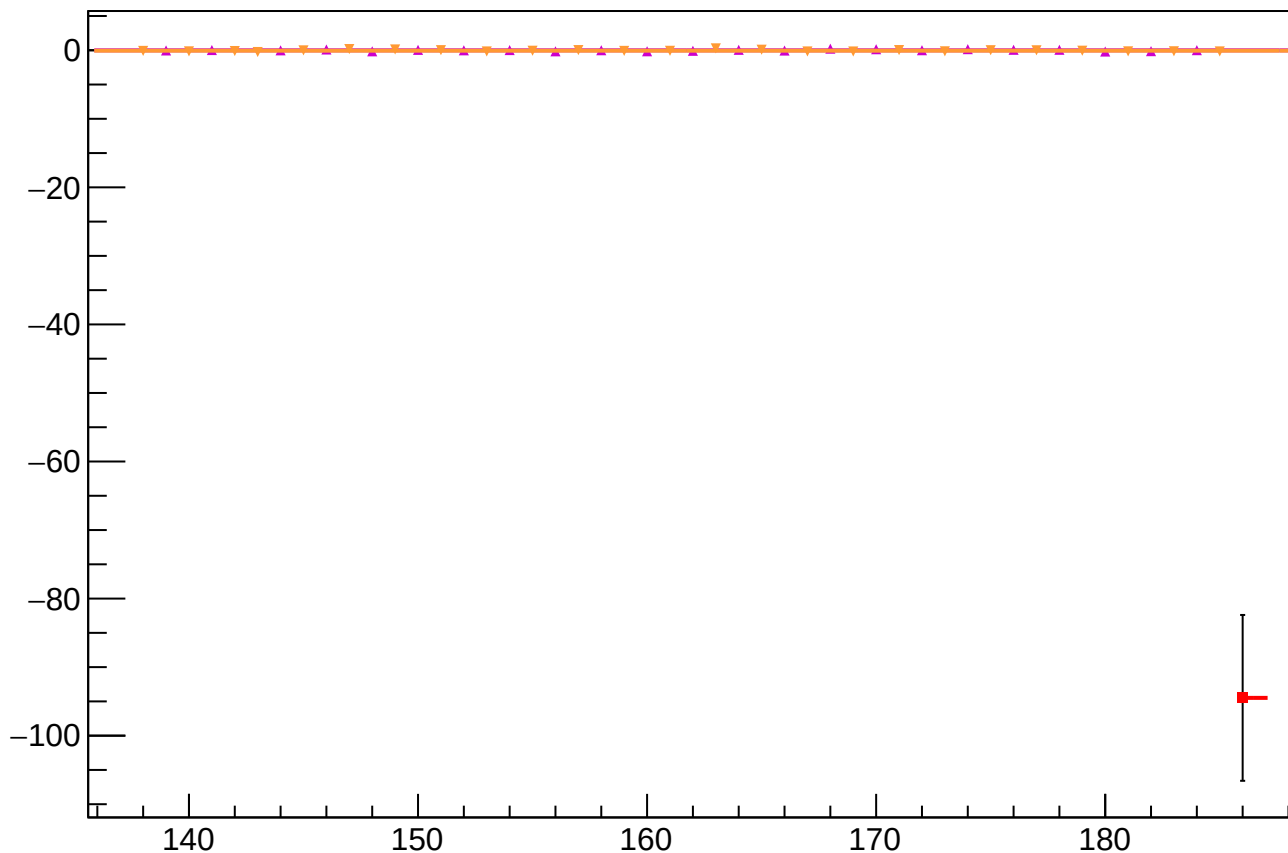
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 61.4/40

All: -0.001 ± 0.000 χ^2/NDF : 26607.0/82

- sign -0.001 ± 0.001 χ^2/NDF : 26545.3/41

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.059 $\pm$ 0.018 χ^2 /NDF: 41.7/24

Right Out: -94.487 $\pm$ 12.098 χ^2 /NDF: 0.0/0

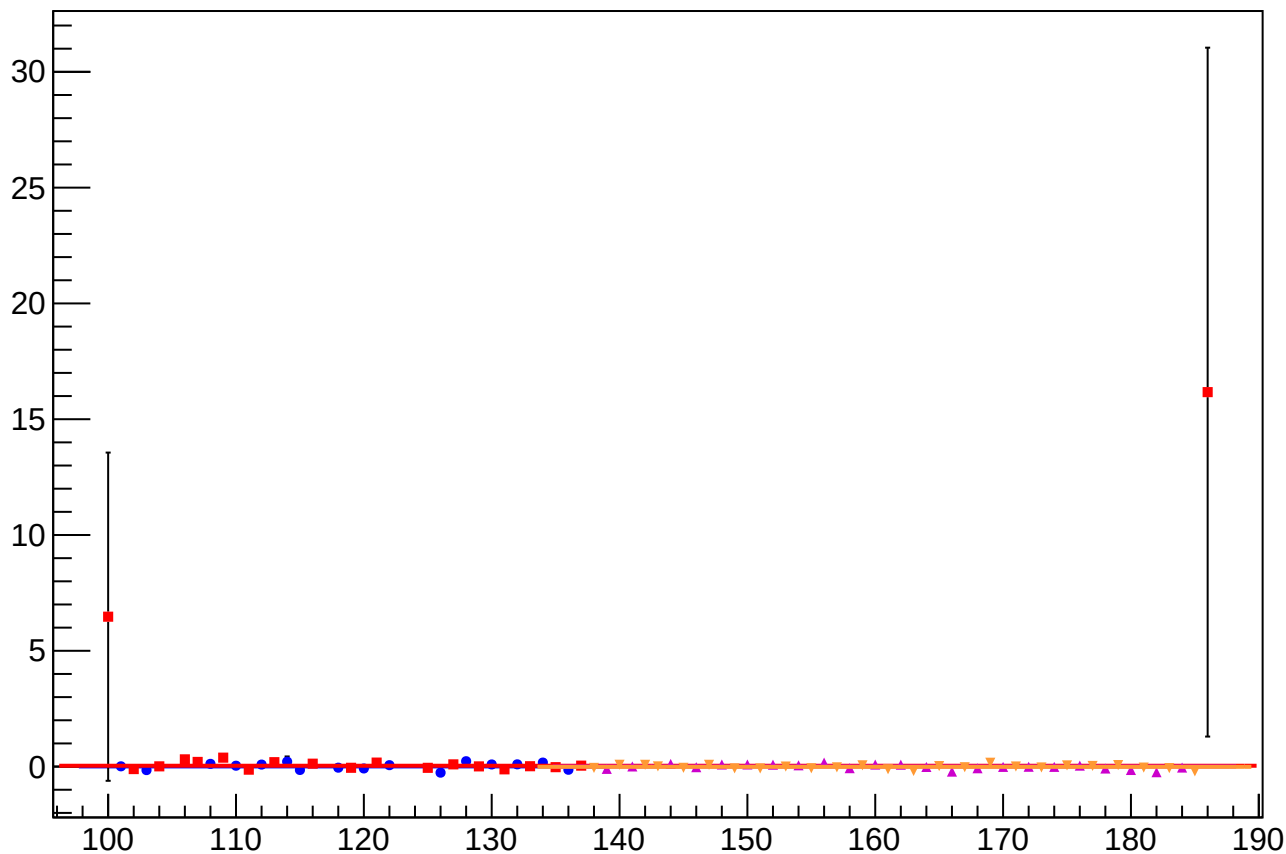
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF: 35.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -0.035 $\pm$ 0.013 χ^2 /NDF: 141.7/48

- sign -0.009 $\pm$ 0.018 χ^2 /NDF: 96.1/23

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 ± 0.023 χ^2/NDF : 25.1/15

Left Out: -0.010 ± 0.014 χ^2/NDF : 29.7/24

Right Out: 0.037 ± 0.025 χ^2/NDF : 29.9/18

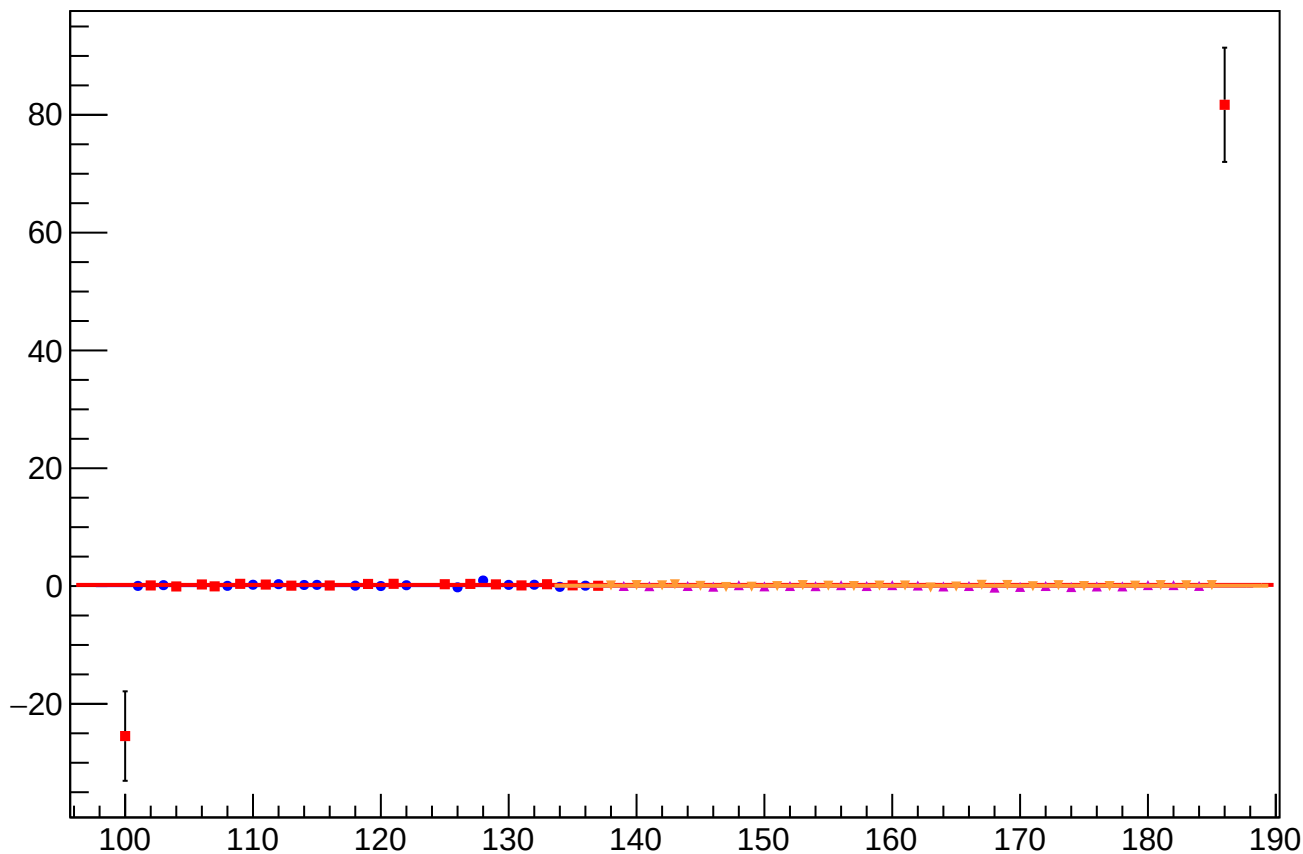
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.005 ± 0.012 χ^2/NDF : 55.2/40

All: 0.003 ± 0.009 χ^2/NDF : 137.0/82

- sign 0.013 ± 0.012 χ^2/NDF : 80.7/41

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 ± 0.043 χ^2/NDF : 29.7/15

Left Out: 0.055 ± 0.018 χ^2/NDF : 41.0/24

Right Out: 0.197 ± 0.045 χ^2/NDF : 92.6/18

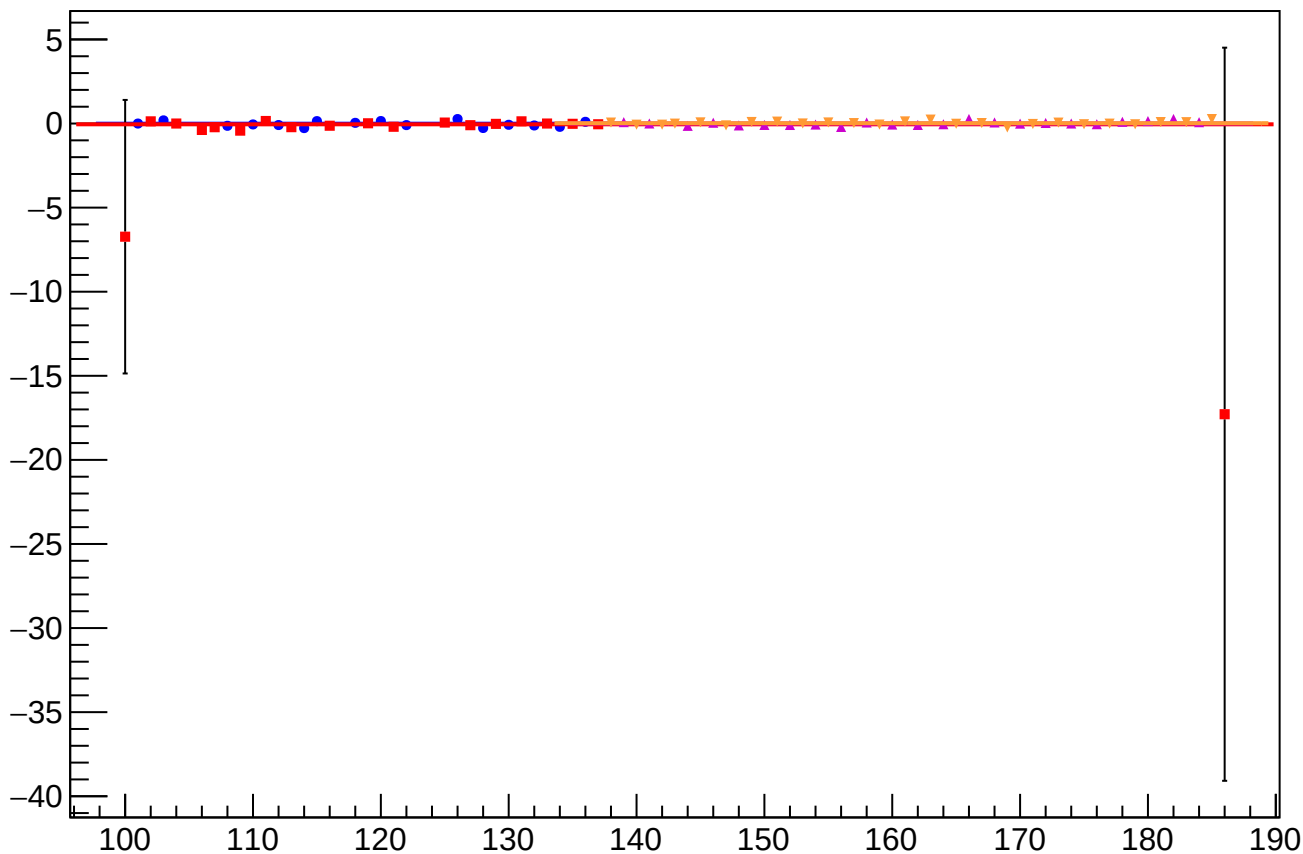
Left In: 0.020 ± 0.018 χ^2/NDF : 35.8/22

+ sign 0.070 ± 0.016 χ^2/NDF : 75.4/40

All: 0.057 ± 0.012 χ^2/NDF : 218.3/82

- sign 0.044 ± 0.017 χ^2/NDF : 141.7/41

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 24.6/15

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.4/24

Right Out: -0.046 ± 0.029 χ^2/NDF : 26.9/18

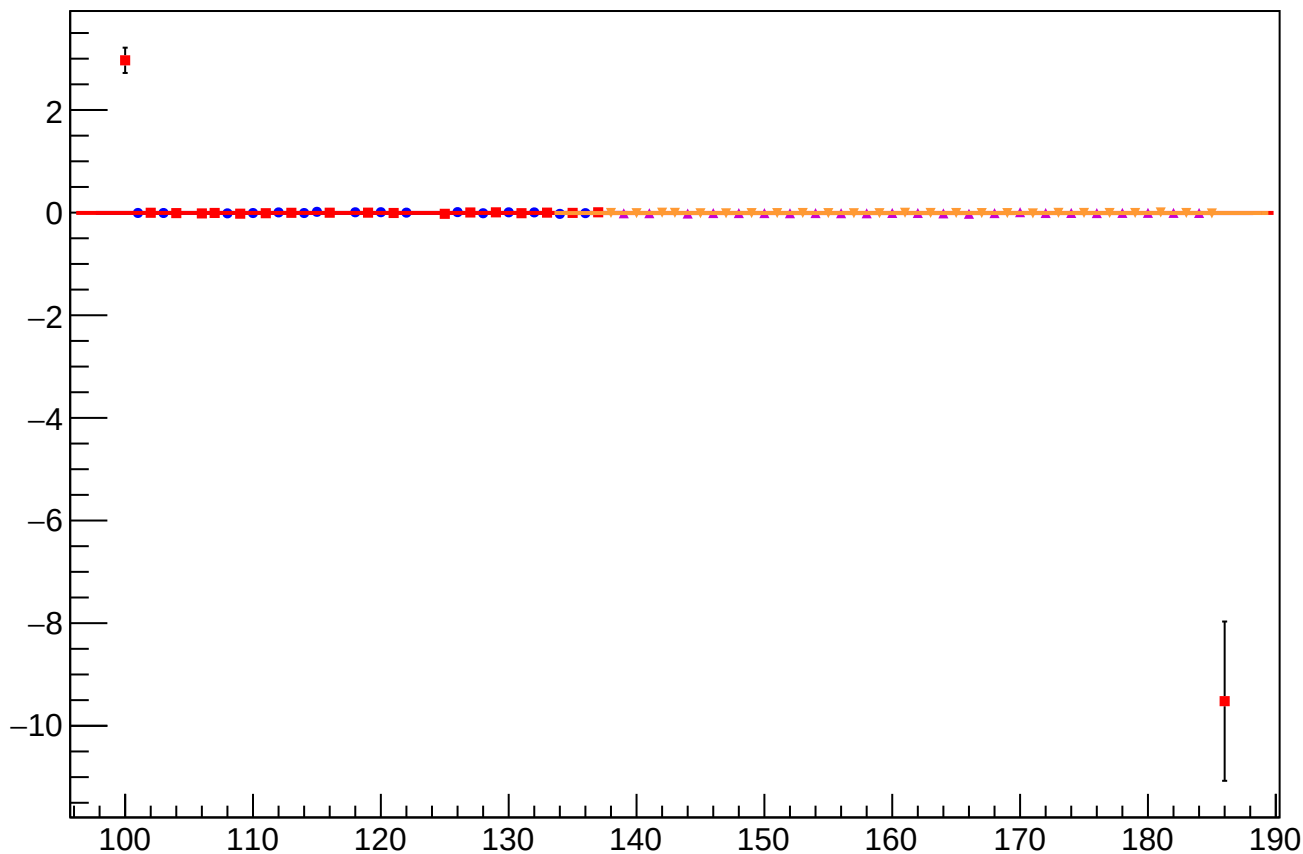
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 59.0/40

All: 0.003 ± 0.010 χ^2/NDF : 139.5/82

- sign -0.007 ± 0.014 χ^2/NDF : 79.5/41

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.4/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.7/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 202.8/18

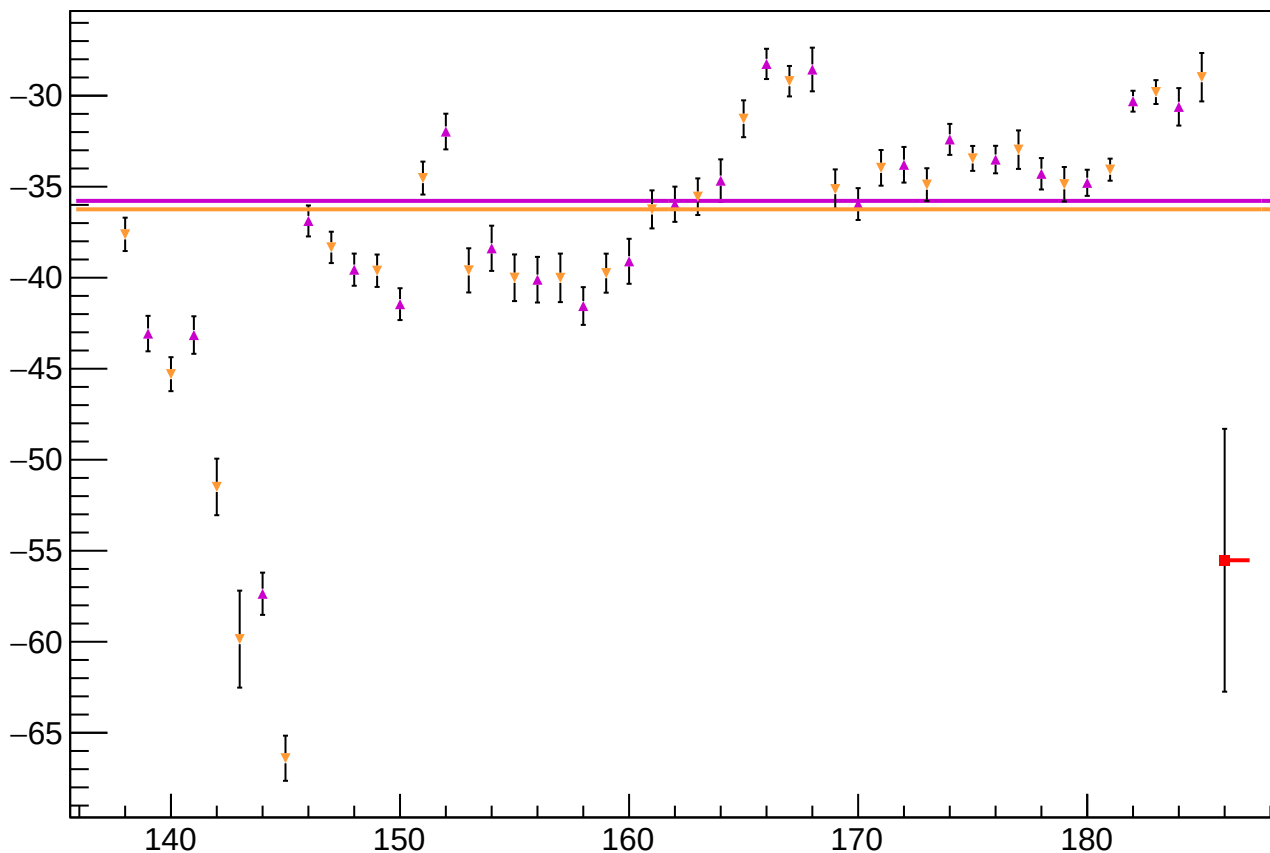
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 61.7/40

All: -0.008 ± 0.000 χ^2/NDF : 305.0/82

- sign -0.008 ± 0.001 χ^2/NDF : 243.1/41

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -36.243 $\pm$ 0.191 χ^2 /NDF:1193.9/24

Right Out: -55.523 $\pm$ 7.220 χ^2 /NDF: 0.0/0

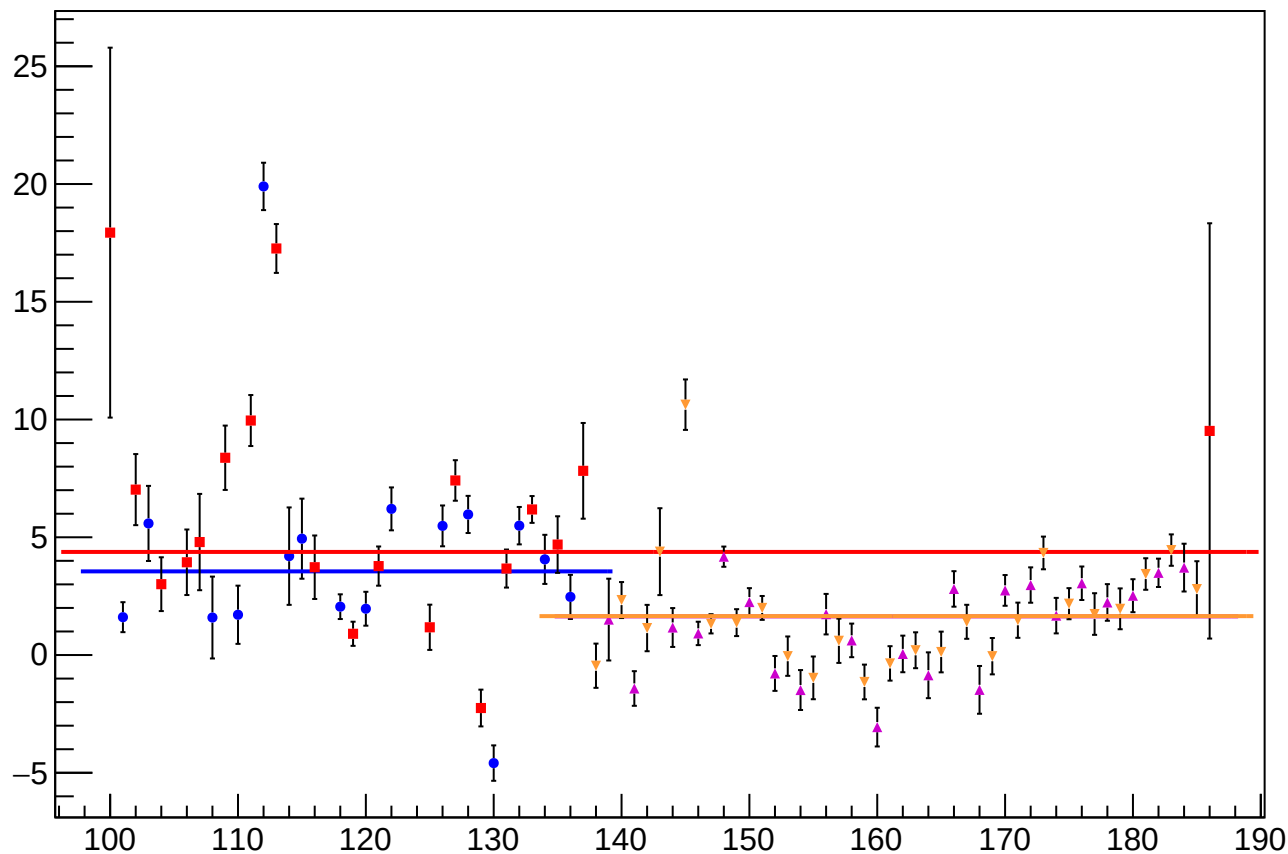
Left In: -35.779 $\pm$ 0.191 χ^2 /NDF:854.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -36.018 $\pm$ 0.135 χ^2 /NDF: 2058.2/48

- sign -35.793 $\pm$ 0.191 χ^2 /NDF: 861.6/23

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.552 ± 0.221 χ^2/NDF : 439.9/15

Left Out: 1.652 ± 0.147 χ^2/NDF : 168.8/24

Right Out: 4.378 ± 0.225 χ^2/NDF : 353.5/18

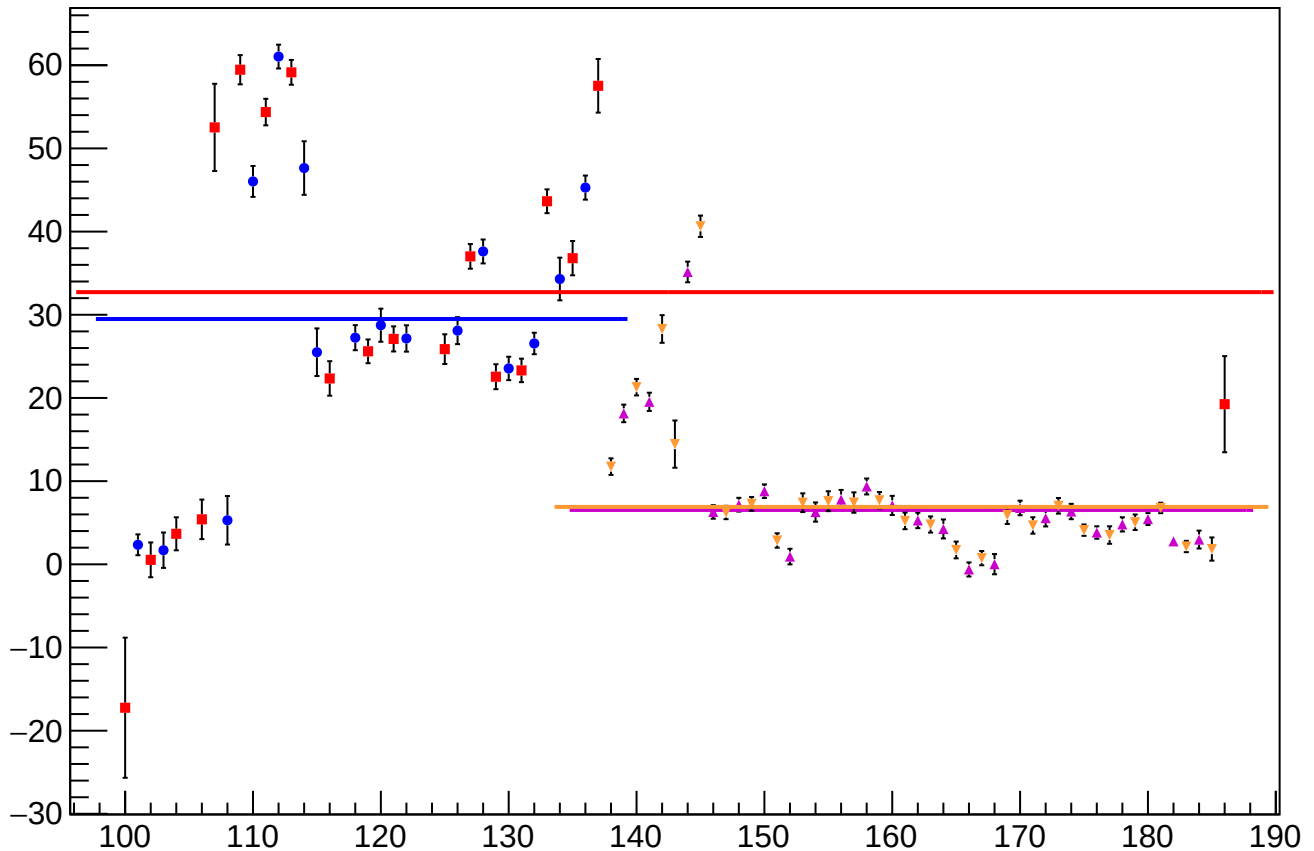
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.237 ± 0.123 χ^2/NDF : 660.0/40

All: 2.356 ± 0.087 χ^2/NDF : 1281.1/82

- sign 2.479 ± 0.125 χ^2/NDF : 619.2/41

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.493 ± 0.420 χ^2/NDF : 1489.7/15

Left Out: 6.900 ± 0.191 χ^2/NDF : 1302.8/24

Right Out: 32.721 ± 0.422 χ^2/NDF : 1665.6/18

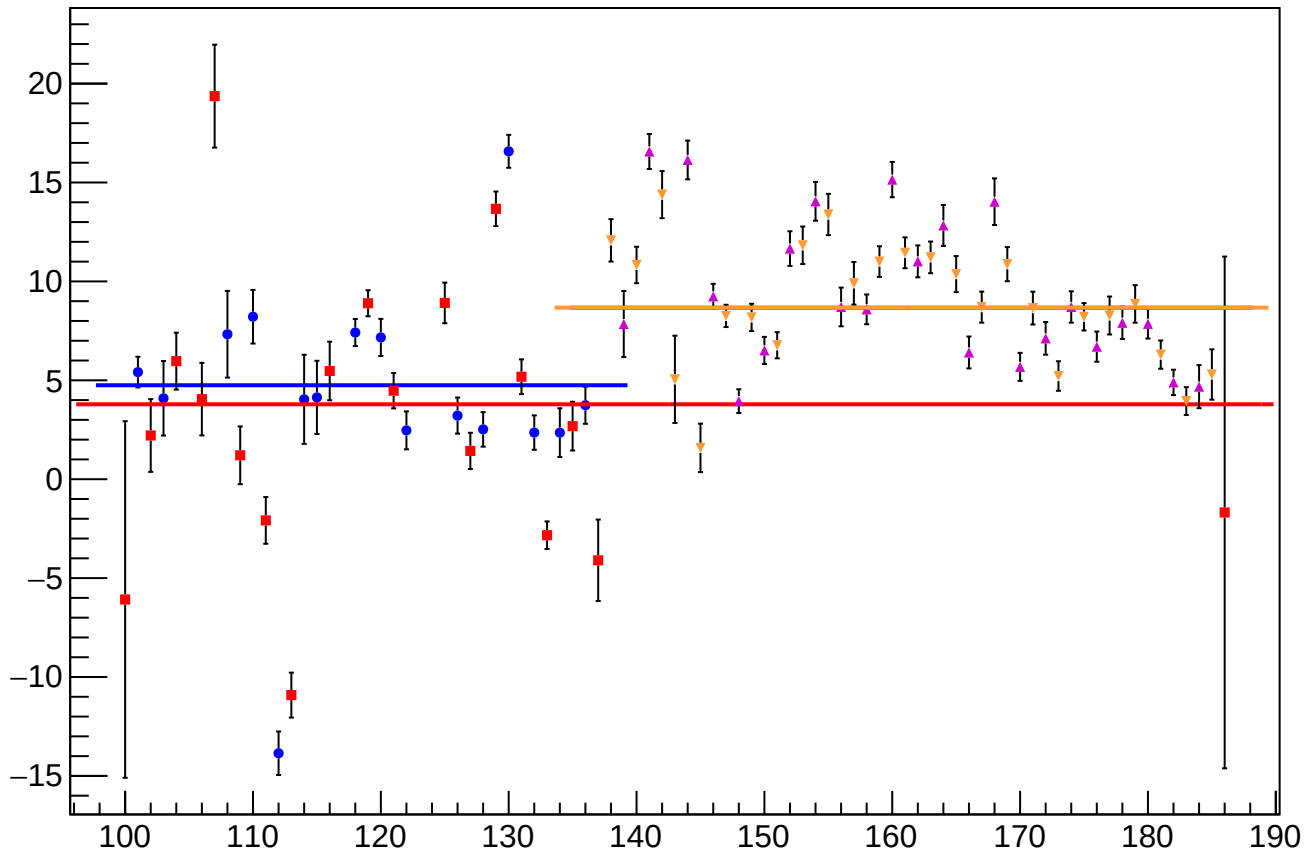
Left In: 6.537 ± 0.190 χ^2/NDF : 1025.1/22

+ sign 10.765 ± 0.174 χ^2/NDF : 5187.2/40

All: 10.861 ± 0.123 χ^2/NDF : 11071.4/82

- sign 10.956 ± 0.174 χ^2/NDF : 5883.5/41

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.750 ± 0.255 $\chi^2/\text{NDF}: 546.5/15$

Left Out: 8.674 ± 0.168 $\chi^2/\text{NDF}: 243.7/24$

Right Out: 3.787 ± 0.259 $\chi^2/\text{NDF}: 564.9/18$

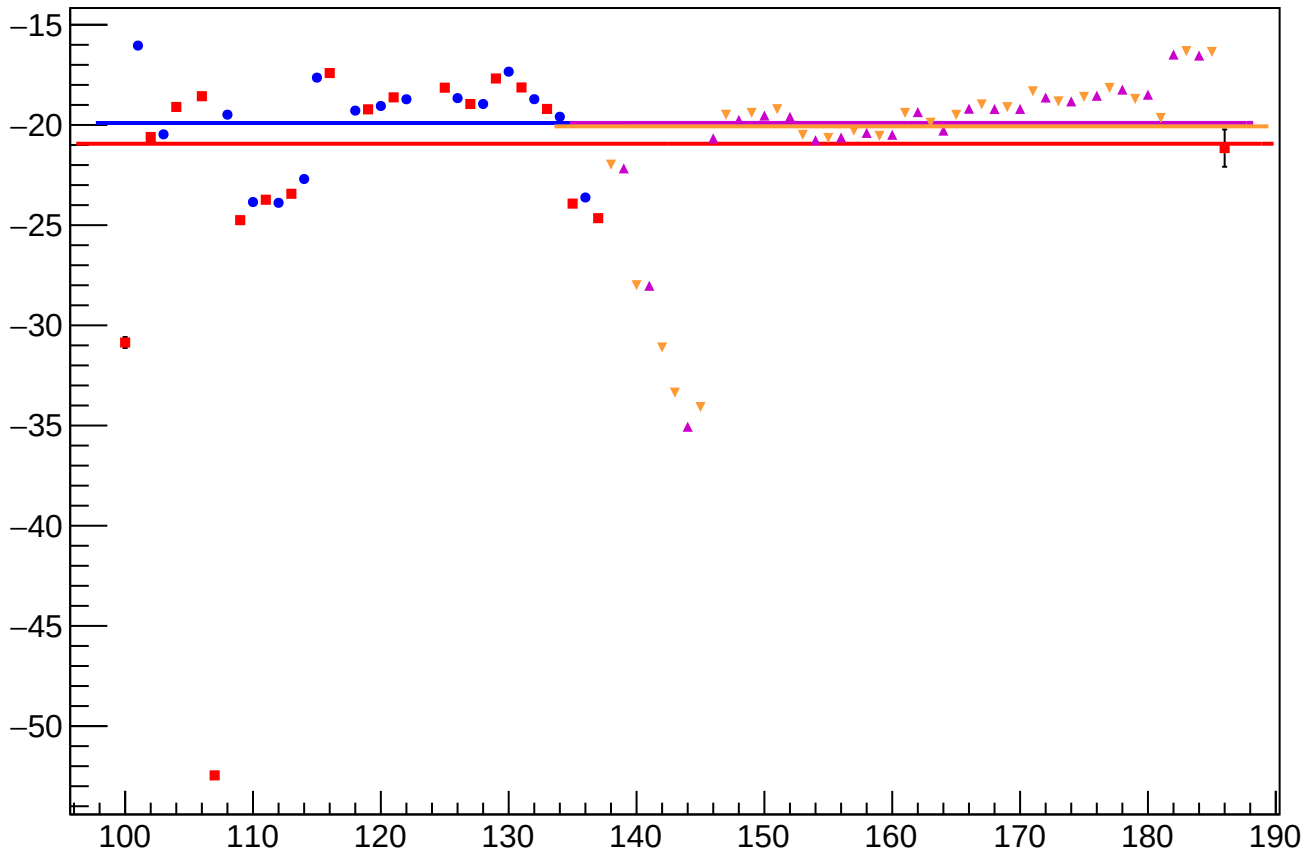
Left In: 8.668 ± 0.170 $\chi^2/\text{NDF}: 436.7/22$

+ sign 7.478 ± 0.140 $\chi^2/\text{NDF}: 955.4/40$

All: 7.339 ± 0.100 $\chi^2/\text{NDF}: 2207.3/82$

- sign 7.196 ± 0.142 $\chi^2/\text{NDF}: 1249.8/41$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26019.5/15$

Left Out: -20.069 ± 0.008 $\chi^2/\text{NDF}: 185373.7/24$

Right Out: -20.936 ± 0.016 $\chi^2/\text{NDF}: 93988.8/18$

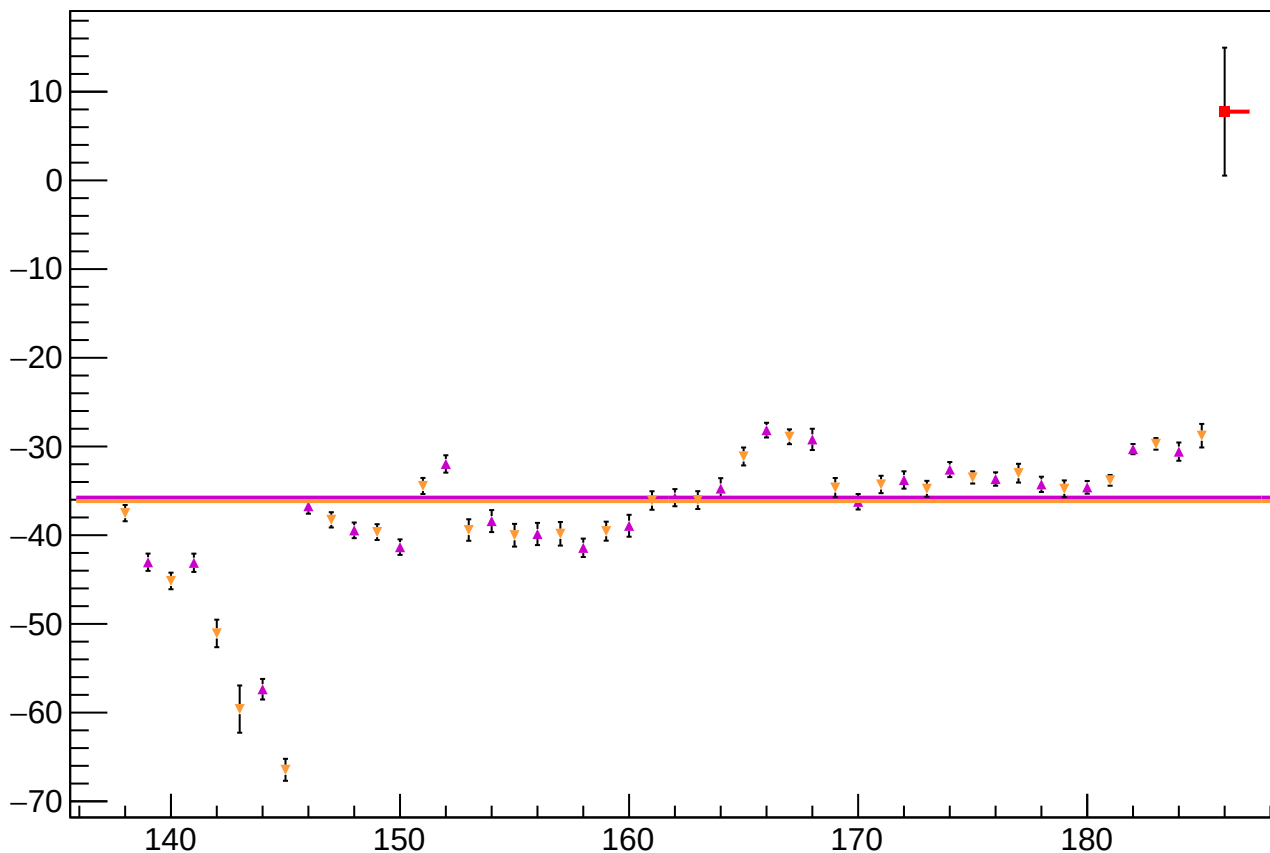
Left In: -19.898 ± 0.008 $\chi^2/\text{NDF}: 144191.9/22$

+ sign -20.035 ± 0.007 $\chi^2/\text{NDF}: 211484.4/40$

All: -20.070 ± 0.005 $\chi^2/\text{NDF}: 453198.4/82$

- sign -20.104 ± 0.007 $\chi^2/\text{NDF}: 241665.6/41$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -36.152+/-0.191 χ^2/NDF : 1199.2/24

Right Out: 7.751+/-7.212 χ^2/NDF : 0.0/0

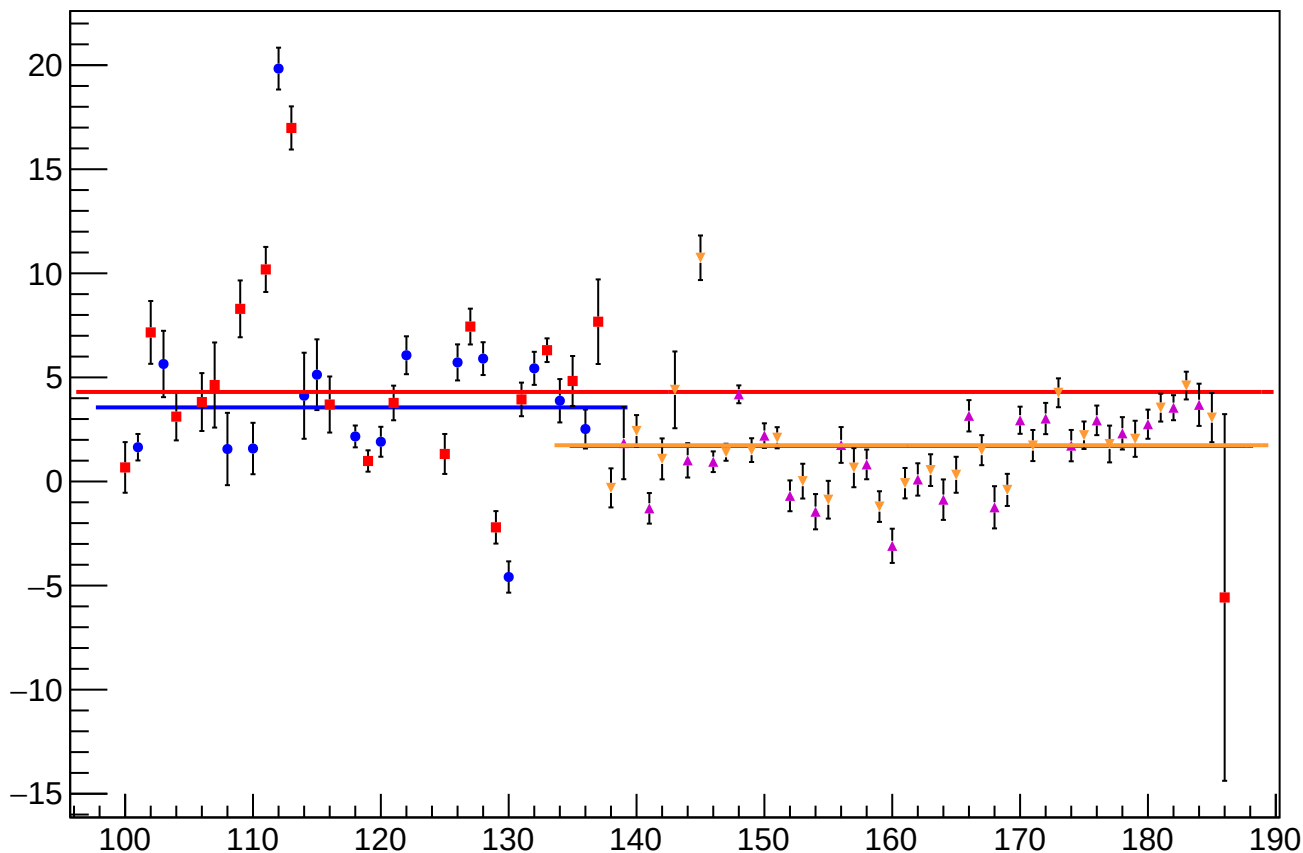
Left In: -35.766+/-0.191 χ^2/NDF : 842.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -35.944+/-0.135 χ^2/NDF : 2080.6/48

- sign -35.736+/-0.191 χ^2/NDF : 879.0/23

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.559 ± 0.221 χ^2/NDF : 437.1/15

Left Out: 1.741 ± 0.147 χ^2/NDF : 170.2/24

Right Out: 4.301 ± 0.221 χ^2/NDF : 353.4/18

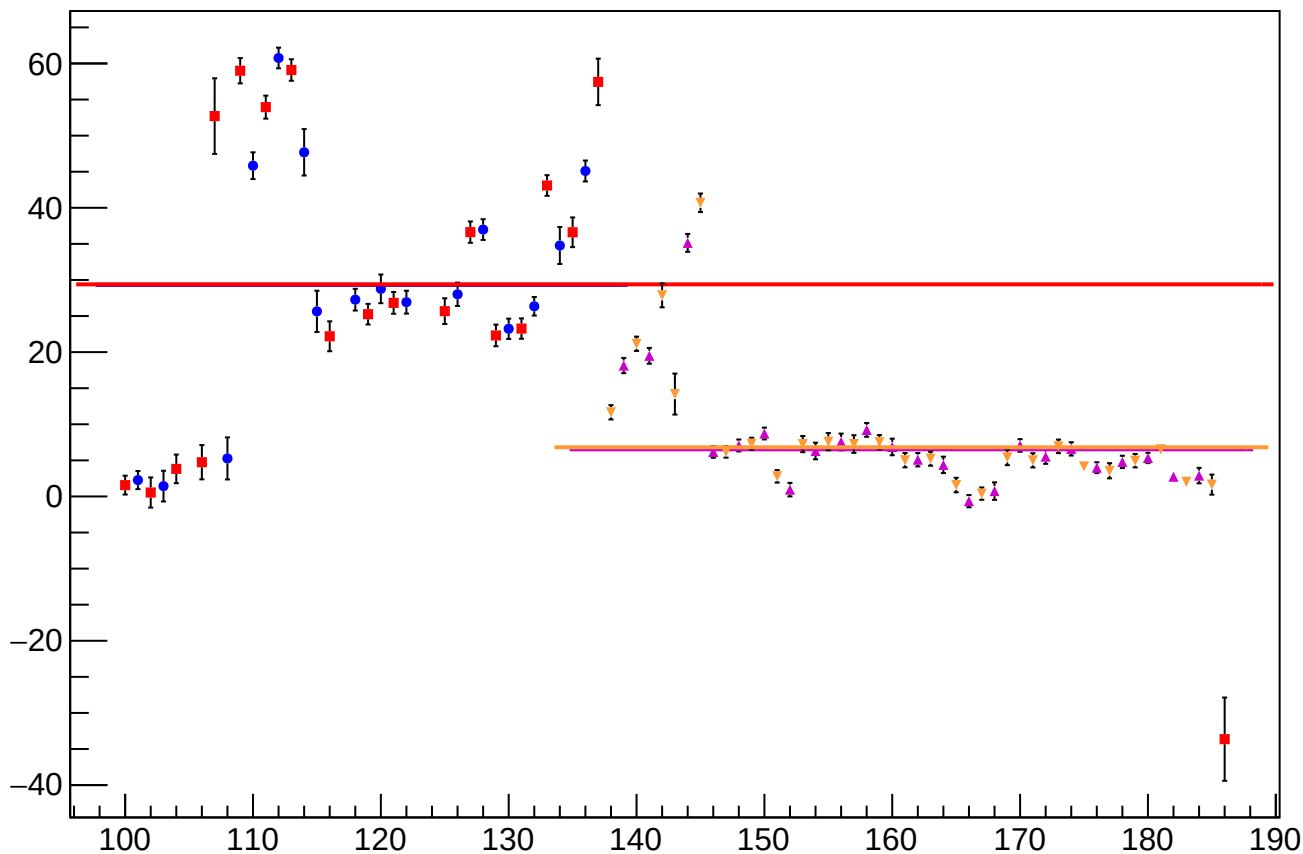
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.301 ± 0.122 χ^2/NDF : 654.4/40

All: 2.408 ± 0.087 χ^2/NDF : 1266.8/82

- sign 2.518 ± 0.124 χ^2/NDF : 610.9/41

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.321 $\pm$ 0.420 χ^2 /NDF: 1483.3/15

Left Out: 6.813 $\pm$ 0.191 χ^2 /NDF:1304.5/24

Right Out: 29.388 $\pm$ 0.402 χ^2 /NDF: 2248.8/18

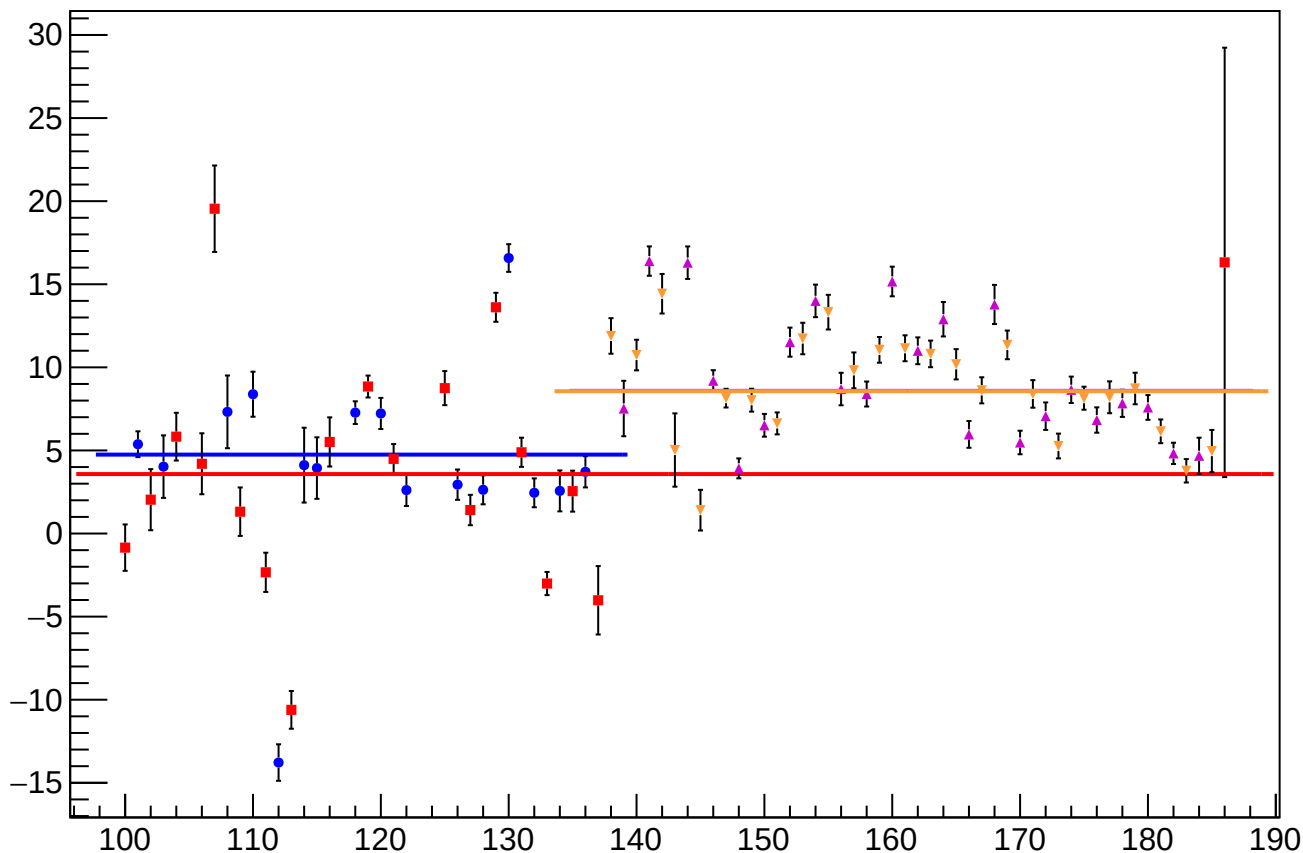
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF:1018.2/22

+ sign 10.664 $\pm$ 0.174 χ^2 /NDF: 5167.8/40

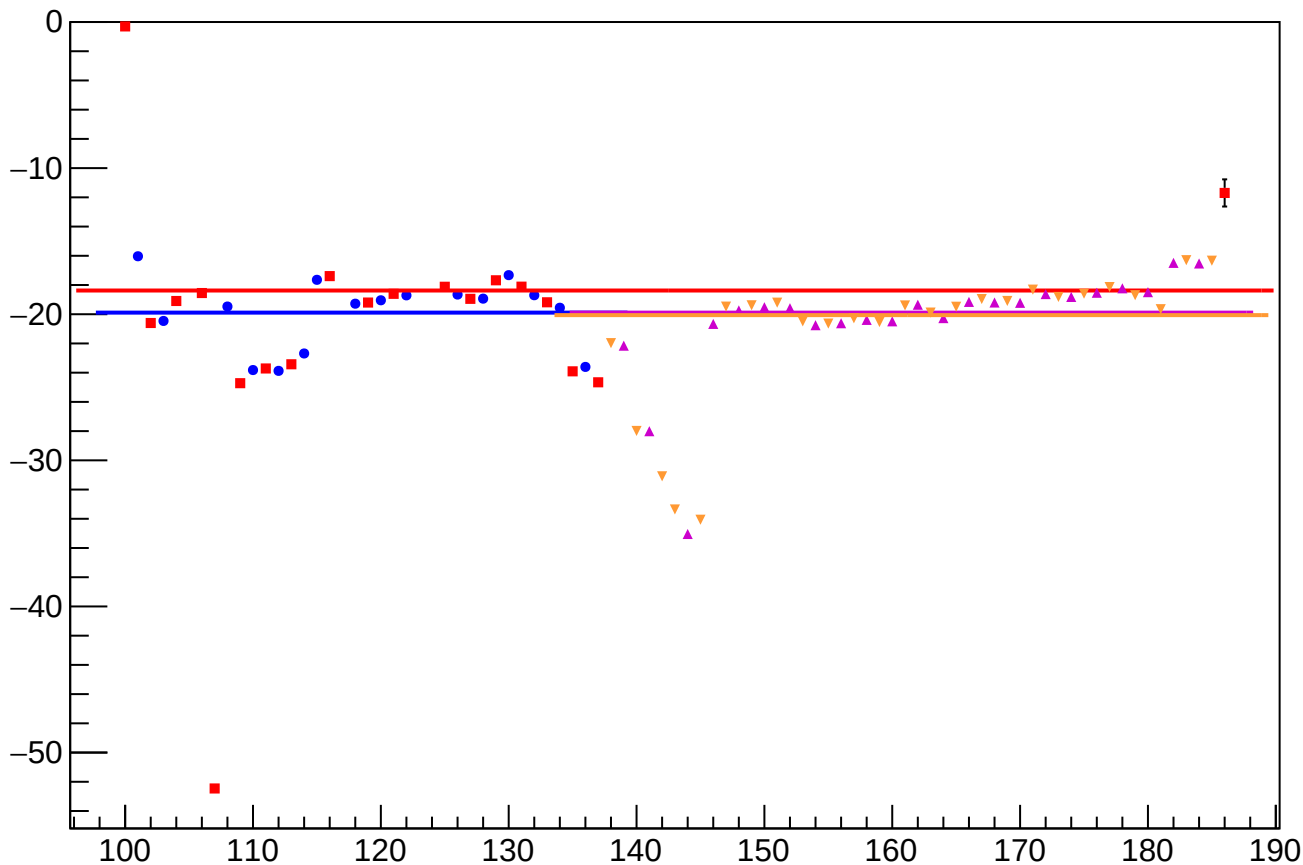
All: 10.689 $\pm$ 0.122 χ^2 /NDF: 11074.2/82

- sign 10.713 $\pm$ 0.172 χ^2 /NDF: 5906.4/41

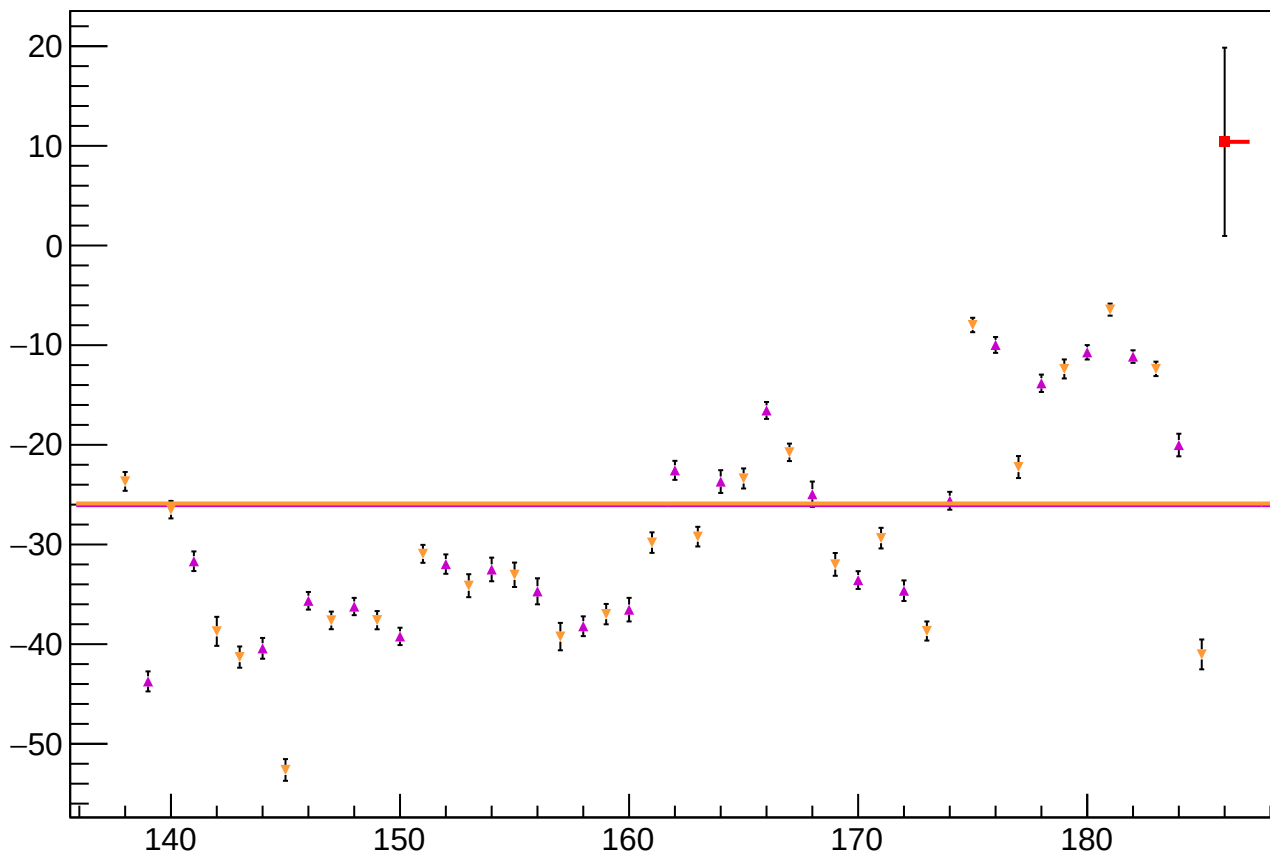
reg_asym_left_dd_diff_bpm4eY_slope vs Slug



reg_asym_left_dd_diff_bpm12X_slope vs Slug



reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -25.884+/-0.192 χ^2/NDF : 4158.0/24

Right Out: 10.404+/-9.447 χ^2/NDF : 0.0/0

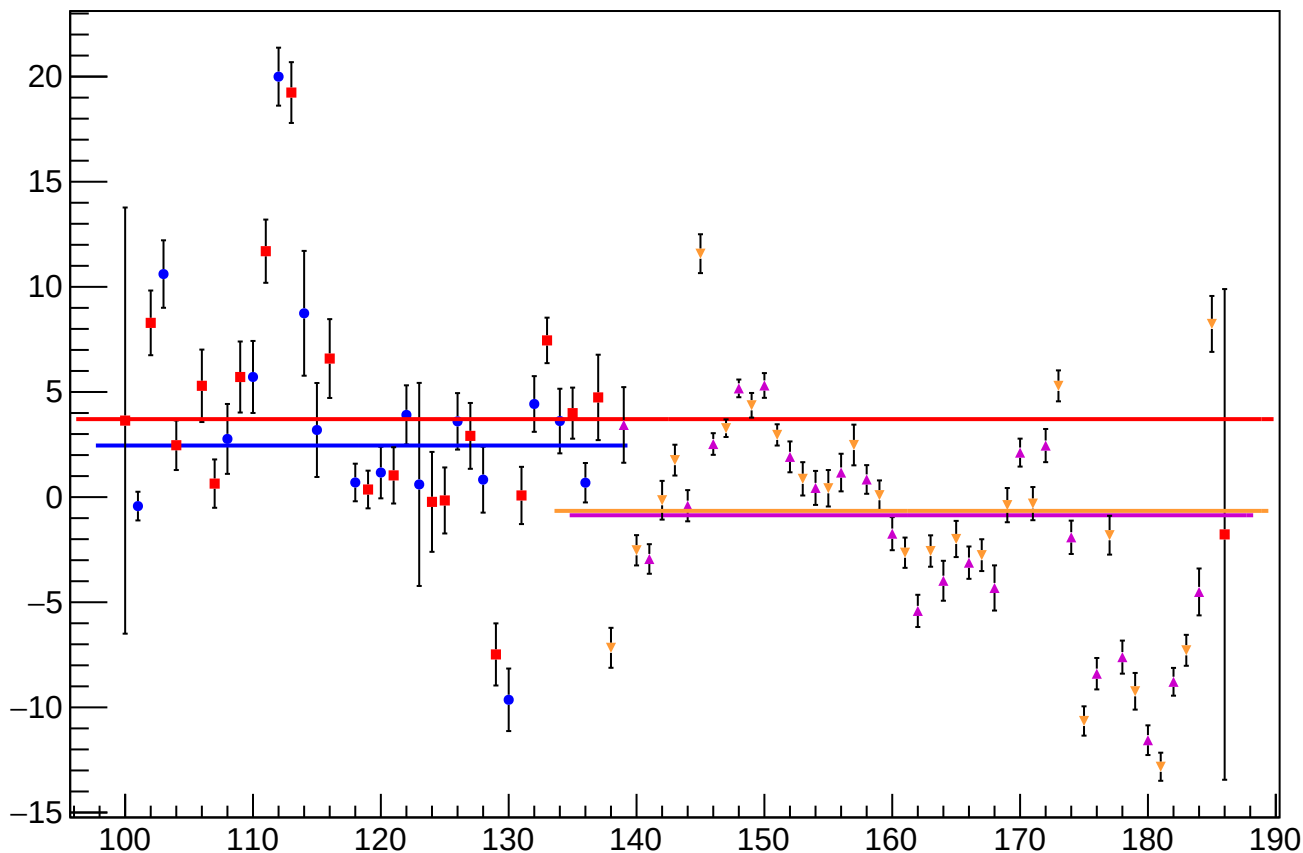
Left In: -26.052+/-0.195 χ^2/NDF : 3279.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -25.959+/-0.137 χ^2/NDF : 7452.7/48

- sign -26.037+/-0.195 χ^2/NDF : 3294.4/23

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.454 ± 0.315 χ^2/NDF : 294.3/16

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.709 ± 0.327 χ^2/NDF : 269.3/19

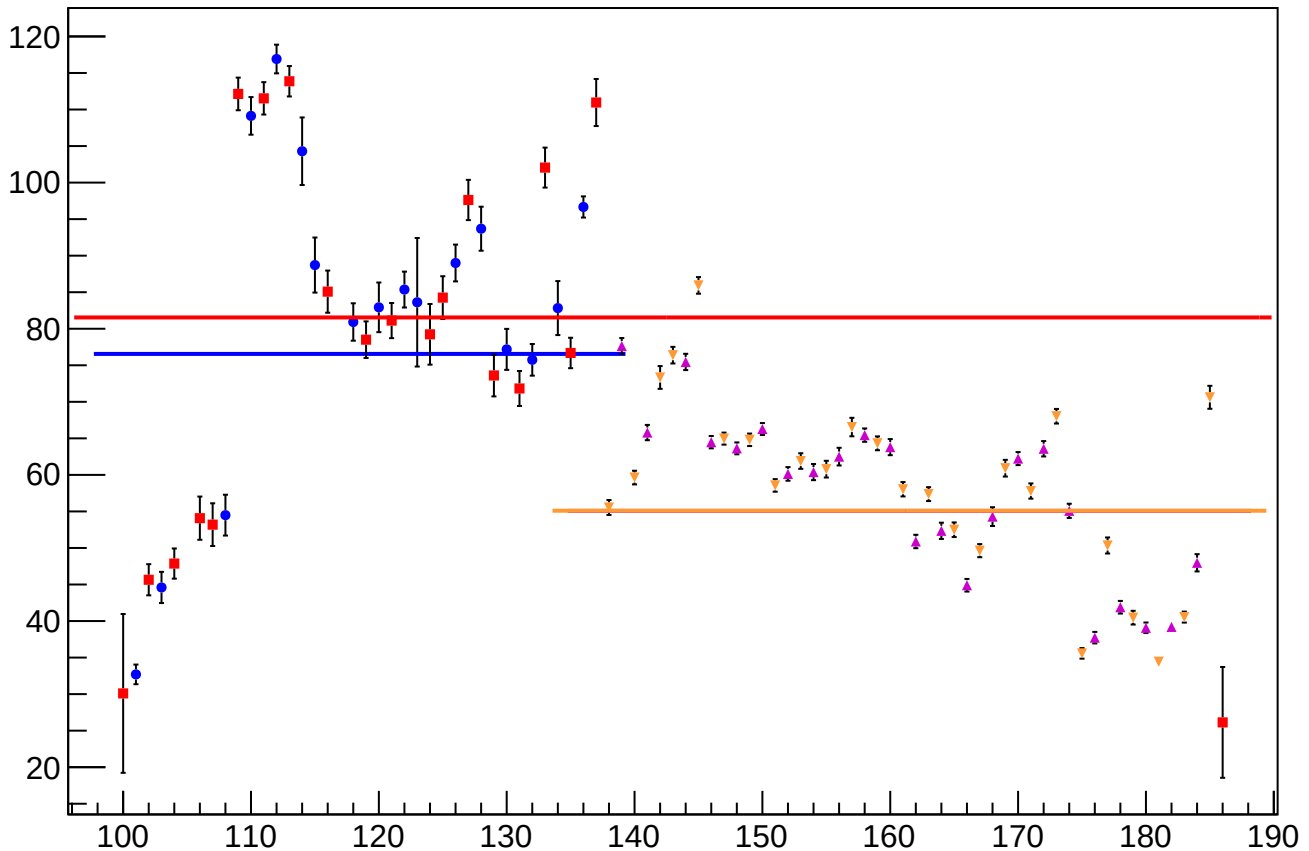
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.103 ± 0.133 χ^2/NDF : 1695.3/41

All: -0.083 ± 0.095 χ^2/NDF : 3192.9/84

- sign -0.063 ± 0.137 χ^2/NDF : 1497.5/42

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.555 +/- 0.577 χ^2/NDF : 2252.8/16

Left Out: 55.098 +/- 0.191 χ^2/NDF : 4579.3/24

Right Out: 81.547 +/- 0.591 χ^2/NDF : 1624.5/19

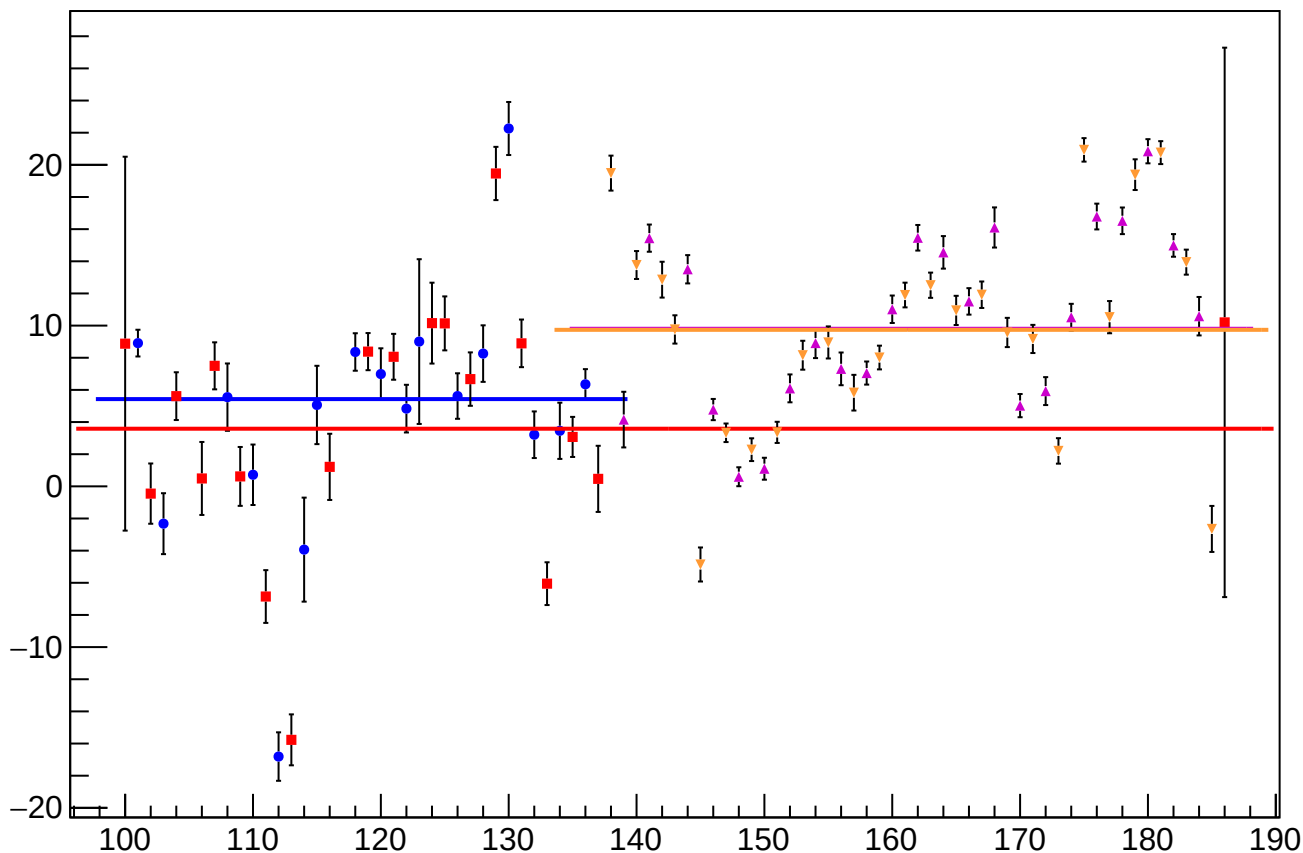
Left In: 55.070 +/- 0.193 χ^2/NDF : 3702.8/22

+ sign 57.227 +/- 0.182 χ^2/NDF : 8078.1/41

All: 57.427 +/- 0.129 χ^2/NDF : 15220.3/84

- sign 57.632 +/- 0.184 χ^2/NDF : 7139.7/42

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.428 ± 0.361 $\chi^2/\text{NDF}: 385.7/16$

Left Out: 9.737 ± 0.168 $\chi^2/\text{NDF}: 1450.2/24$

Right Out: 3.585 ± 0.375 $\chi^2/\text{NDF}: 421.8/19$

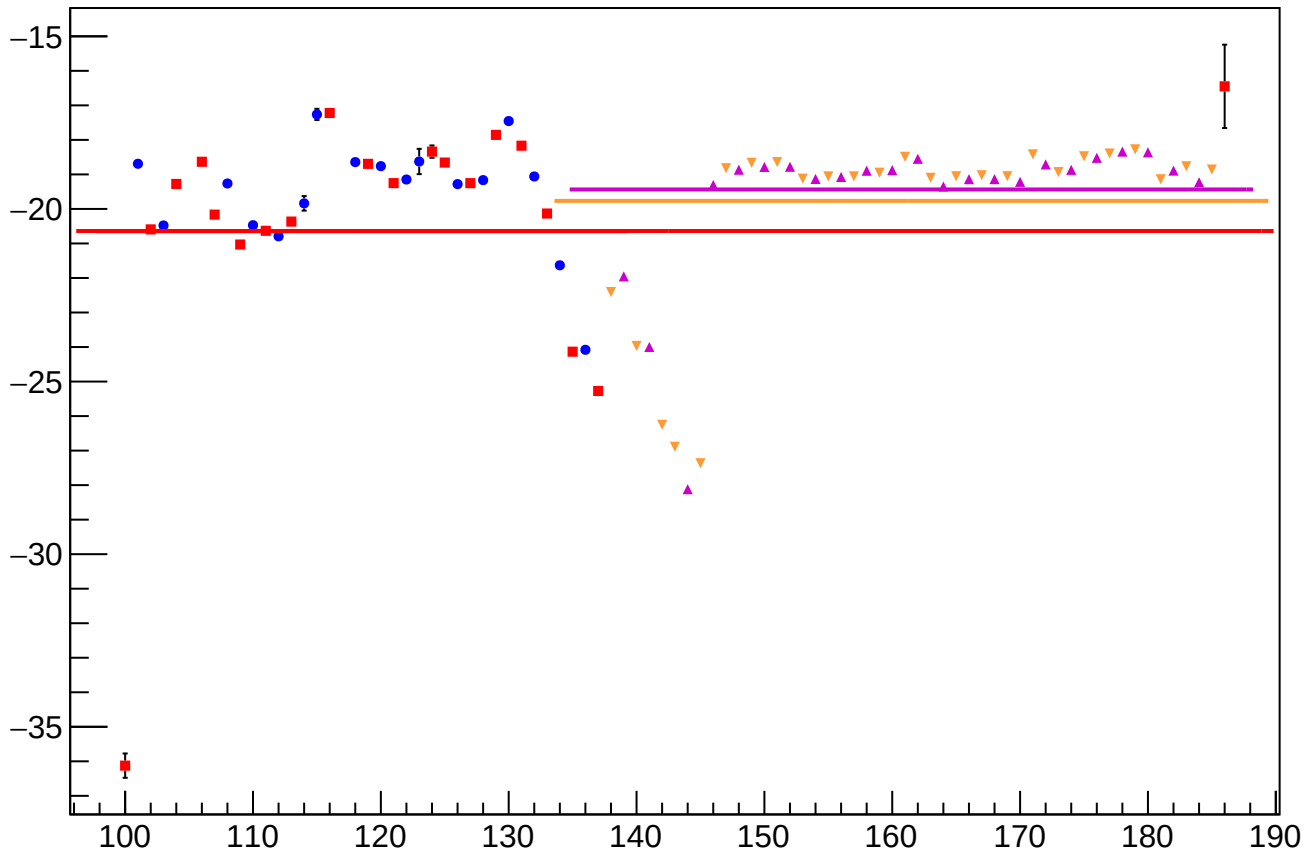
Left In: 9.803 ± 0.172 $\chi^2/\text{NDF}: 1158.7/22$

+ sign 8.971 ± 0.152 $\chi^2/\text{NDF}: 1953.1/41$

All: 8.853 ± 0.109 $\chi^2/\text{NDF}: 3761.7/84$

- sign 8.728 ± 0.156 $\chi^2/\text{NDF}: 1807.3/42$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 $\pm$ 0.019 χ^2 /NDF: 12424.2/16

Left Out: -19.767 $\pm$ 0.008 χ^2 /NDF: 91617.3/24

Right Out: -20.639 $\pm$ 0.019 χ^2 /NDF: 13797.9/19

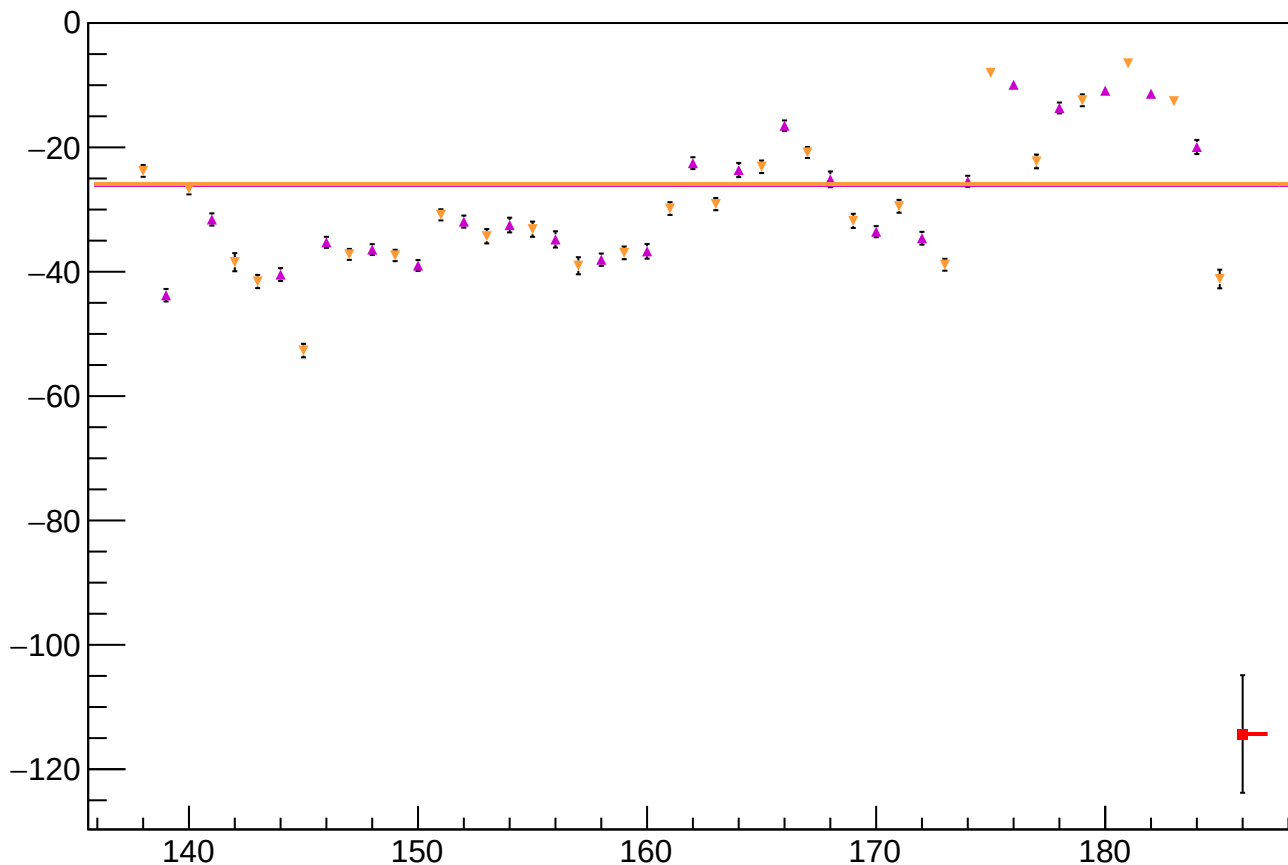
Left In: -19.435 $\pm$ 0.008 χ^2 /NDF: 53170.9/22

+ sign -19.892 $\pm$ 0.007 χ^2 /NDF: 105802.5/41

All: -19.751 $\pm$ 0.005 χ^2 /NDF: 176798.1/84

- sign -19.607 $\pm$ 0.007 χ^2 /NDF: 70243.2/42

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -25.899 $\pm$ 0.192 χ^2 /NDF: 4127.5/24

Right Out: -114.340 $\pm$ 9.454 χ^2 /NDF: 0.0/0

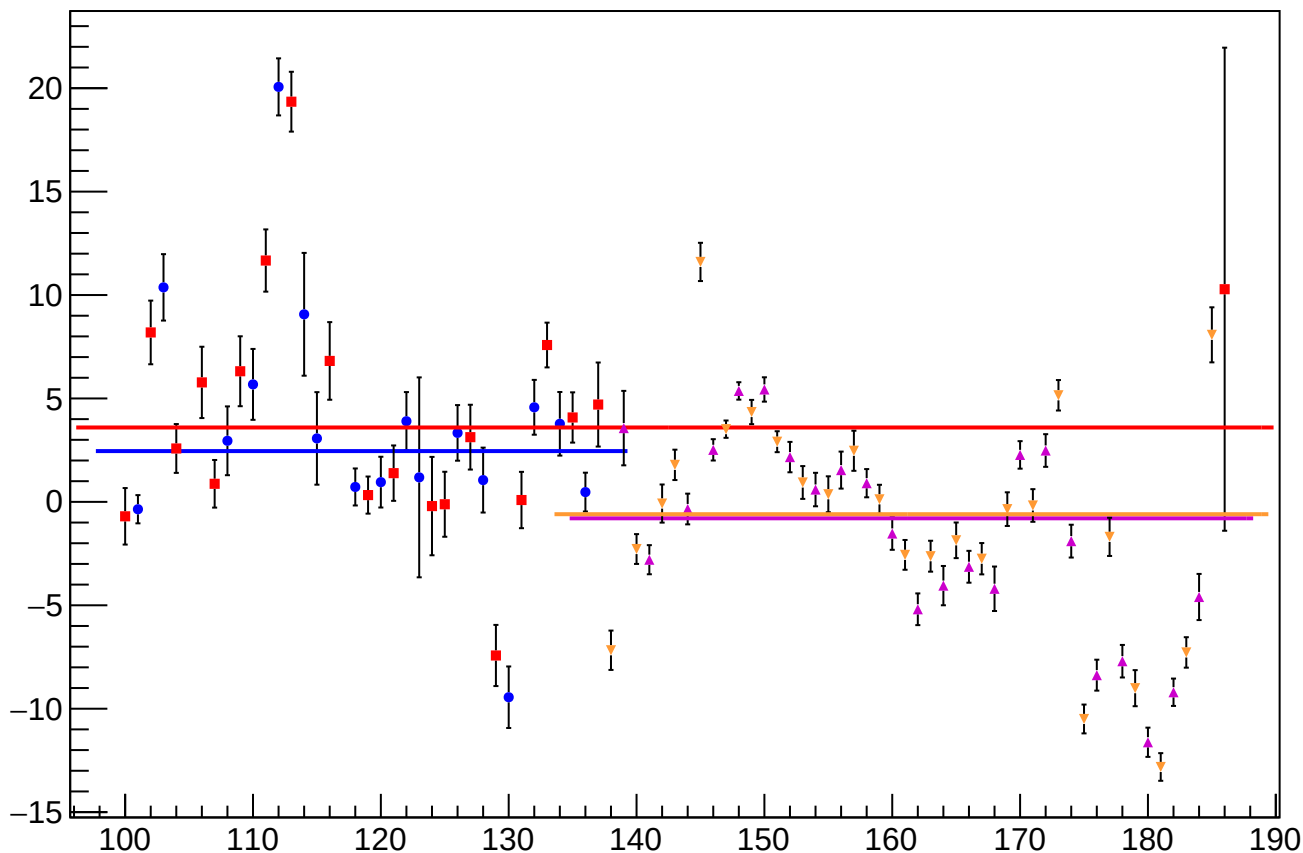
Left In: -26.046 $\pm$ 0.195 χ^2 /NDF: 3246.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -25.990 $\pm$ 0.137 χ^2 /NDF: 7461.9/48

- sign -26.084 $\pm$ 0.195 χ^2 /NDF: 3333.9/23

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 292.3/16

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.597 ± 0.318 χ^2/NDF : 280.4/19

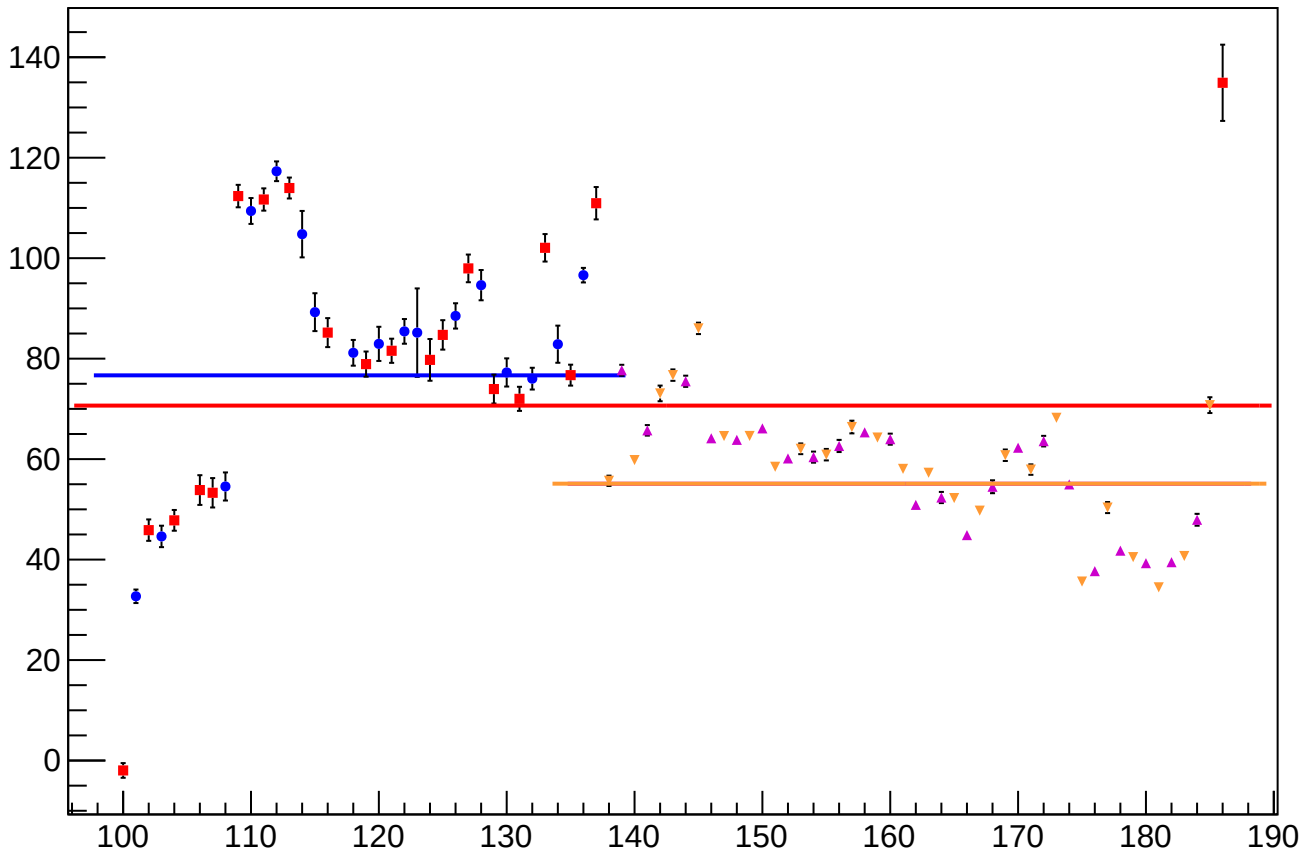
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.055 ± 0.133 χ^2/NDF : 1680.2/41

All: -0.024 ± 0.095 χ^2/NDF : 3222.8/84

- sign 0.009 ± 0.136 χ^2/NDF : 1542.5/42

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.675 $\pm$ 0.577 χ^2/NDF : 2264.8/16

Left Out: 55.111 $\pm$ 0.192 χ^2/NDF : 4560.2/24

Right Out: 70.654 $\pm$ 0.549 χ^2/NDF : 4459.3/19

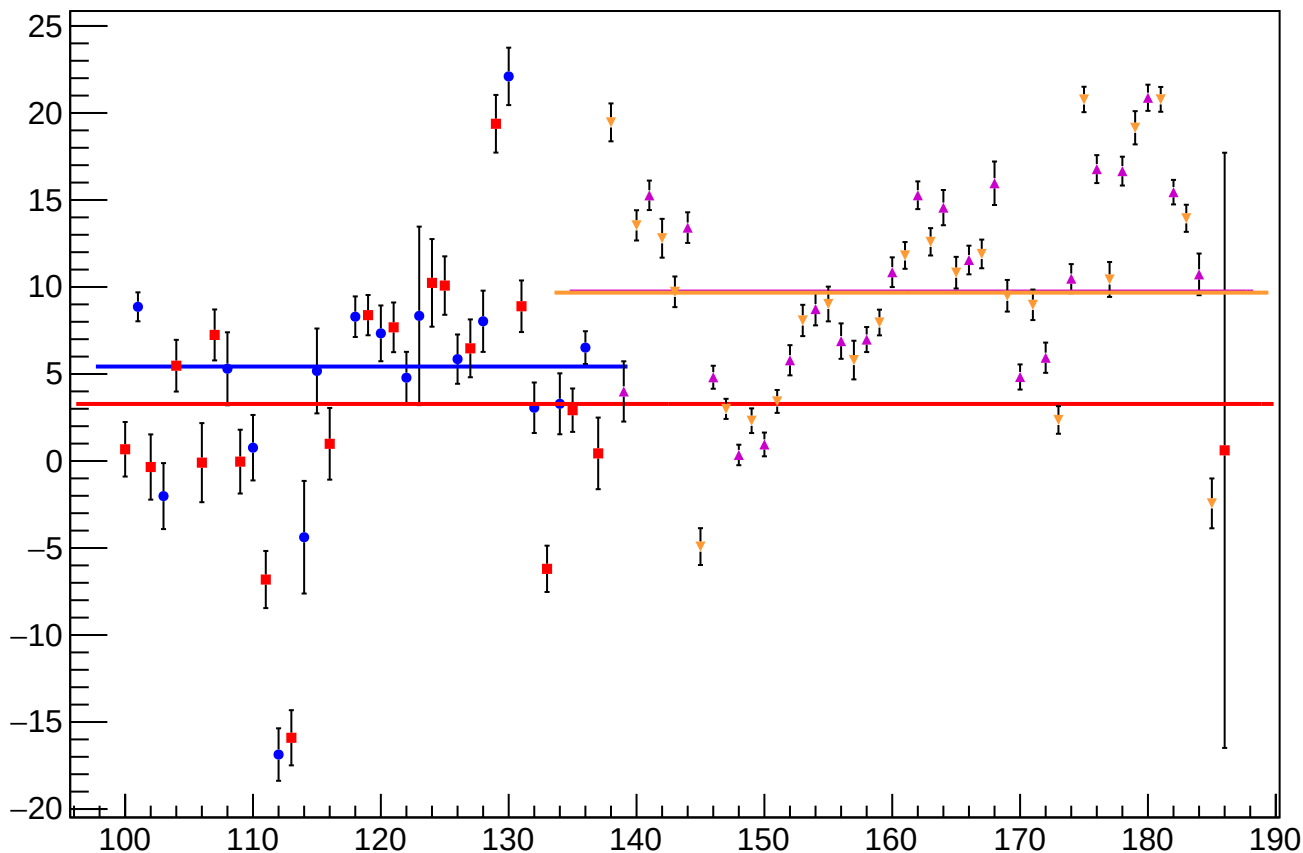
Left In: 55.094 $\pm$ 0.194 χ^2/NDF : 3664.6/22

+ sign 57.251 $\pm$ 0.182 χ^2/NDF : 8082.1/41

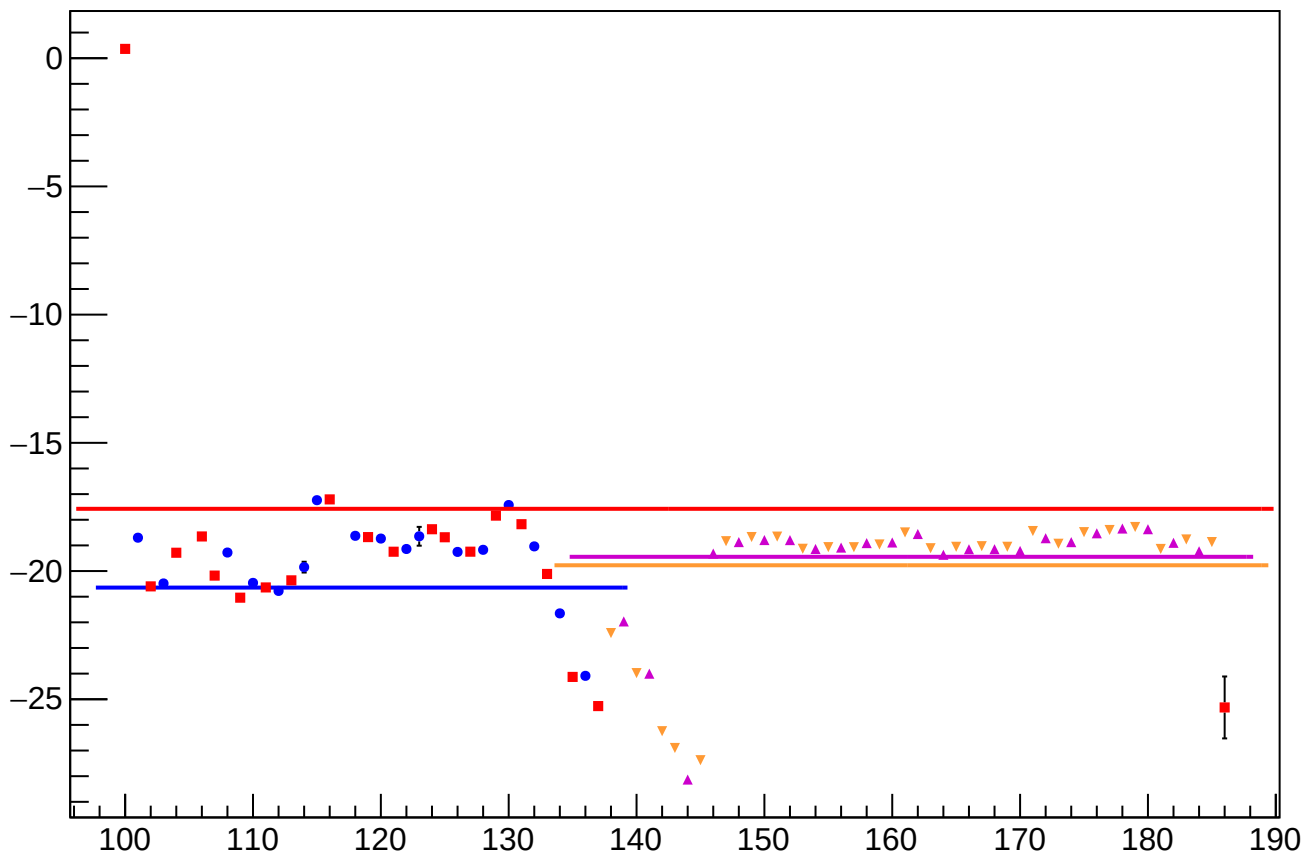
All: 57.034 $\pm$ 0.129 χ^2/NDF : 16923.1/84

- sign 56.815 $\pm$ 0.183 χ^2/NDF : 8838.2/42

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.645 ± 0.019 χ^2/NDF : 12462.7/16

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.573 ± 0.018 χ^2/NDF : 178359.2/19

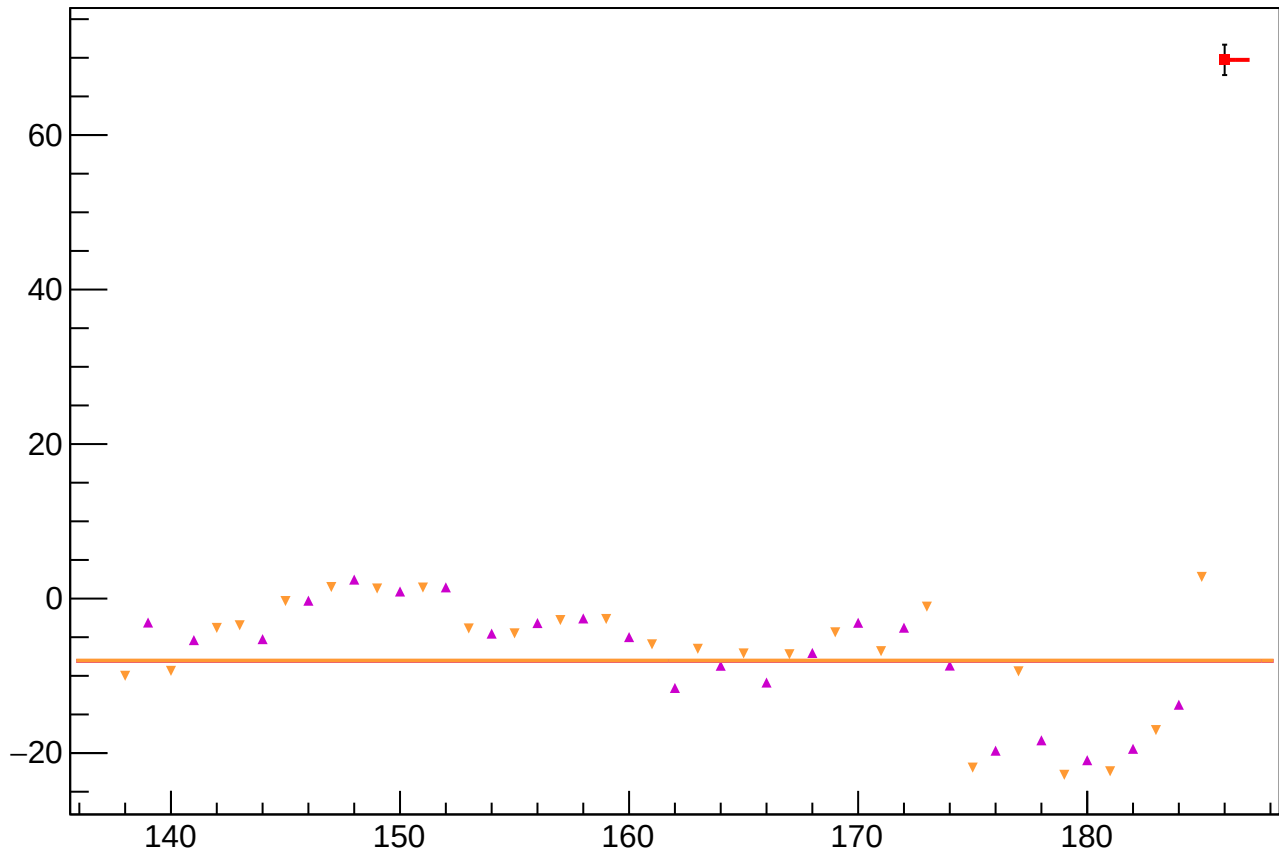
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105705.0/41

All: -19.518 ± 0.005 χ^2/NDF : 351608.6/84

- sign -19.140 ± 0.007 χ^2/NDF : 240492.1/42

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -8.034+/-0.070 χ^2/NDF : 12568.0/24

Right Out: 69.732+/-1.967 χ^2/NDF : 0.0/0

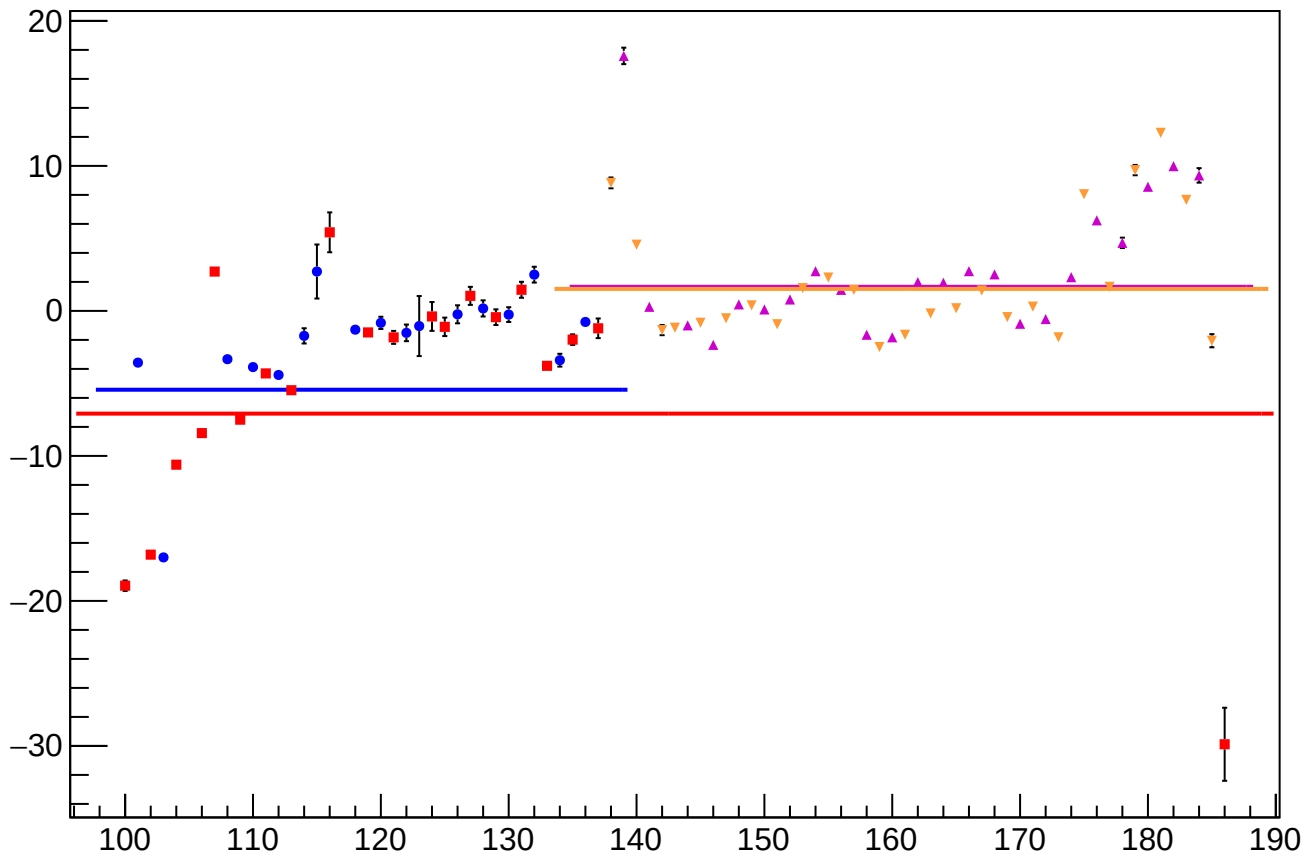
Left In: -8.078+/-0.072 χ^2/NDF : 10541.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -8.005+/-0.050 χ^2/NDF : 24672.8/48

- sign -7.974+/-0.072 χ^2/NDF : 12104.4/23

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.435 ± 0.055 χ^2/NDF : 9226.6/16

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -7.084 ± 0.059 χ^2/NDF : 12376.2/19

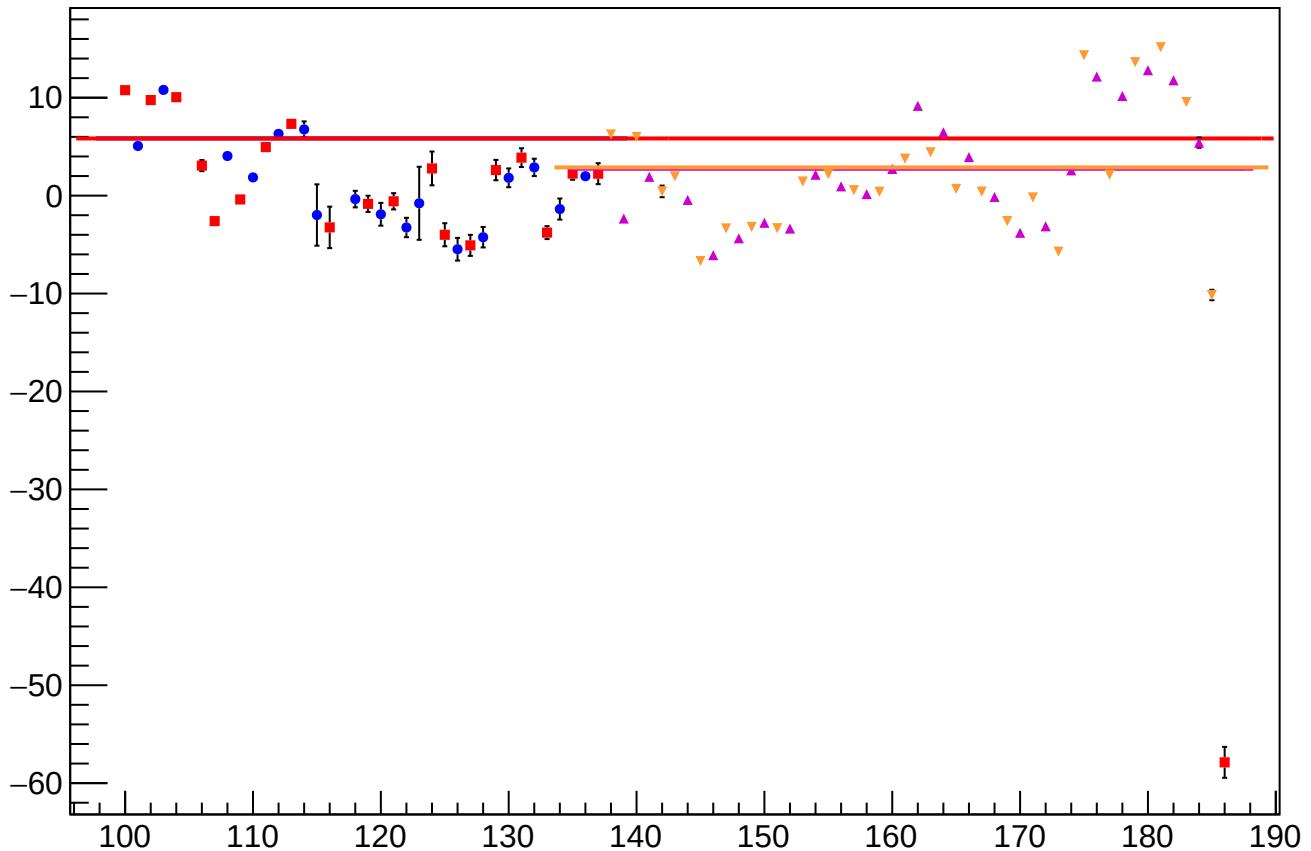
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign -1.925 ± 0.039 χ^2/NDF : 22176.4/41

All: -2.208 ± 0.028 χ^2/NDF : 50143.2/84

- sign -2.525 ± 0.041 χ^2/NDF : 27852.9/42

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.842 ± 0.090 χ^2/NDF : 1436.5/16

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 5.839 ± 0.093 χ^2/NDF : 4299.4/19

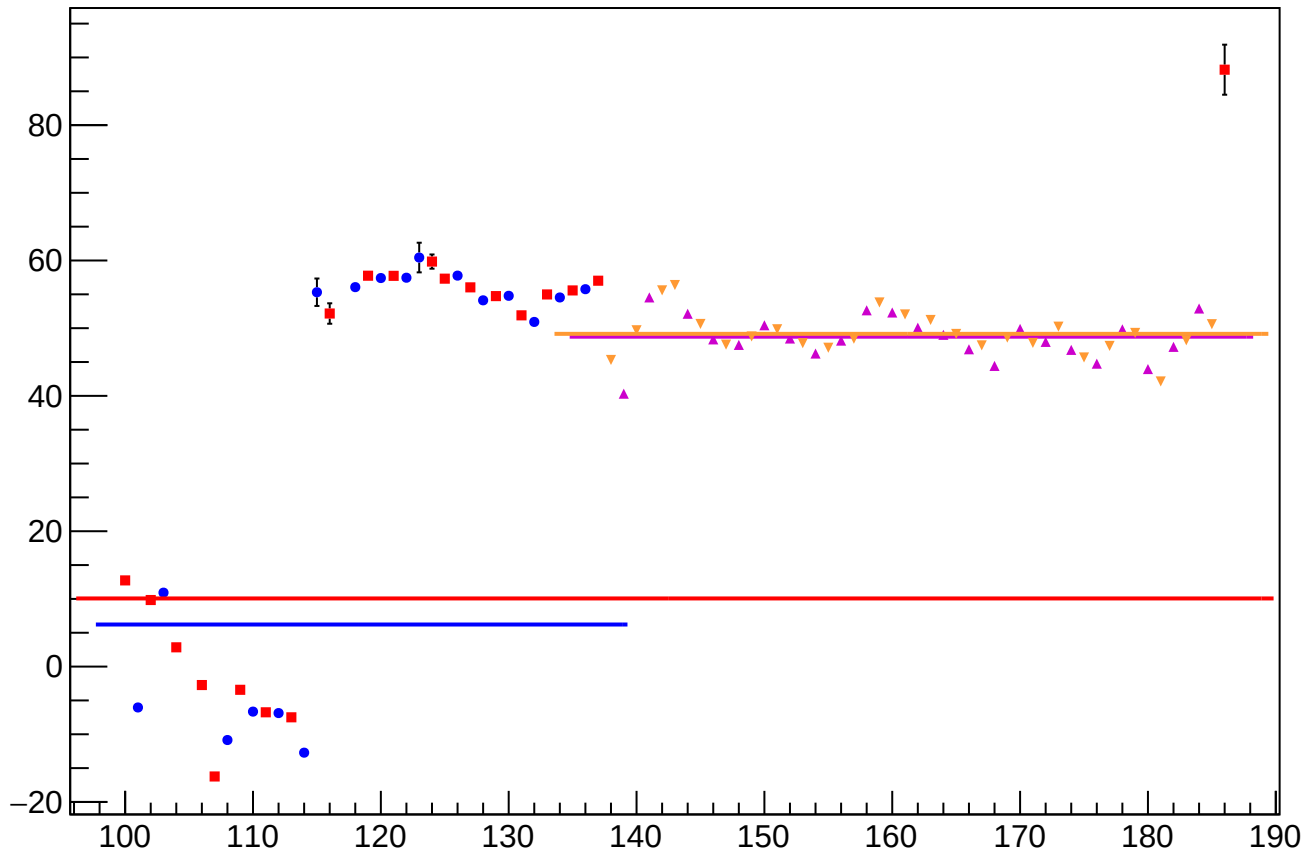
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 4.009 ± 0.055 χ^2/NDF : 11003.5/41

All: 3.951 ± 0.040 χ^2/NDF : 23182.2/84

- sign 3.891 ± 0.057 χ^2/NDF : 12176.5/42

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.217 $\pm$ 0.065 χ^2 /NDF: 120600.0/16

Left Out: 49.163 $\pm$ 0.062 χ^2 /NDF: 2259.9/24

Right Out: 10.067 $\pm$ 0.070 χ^2 /NDF: 122172.7/19

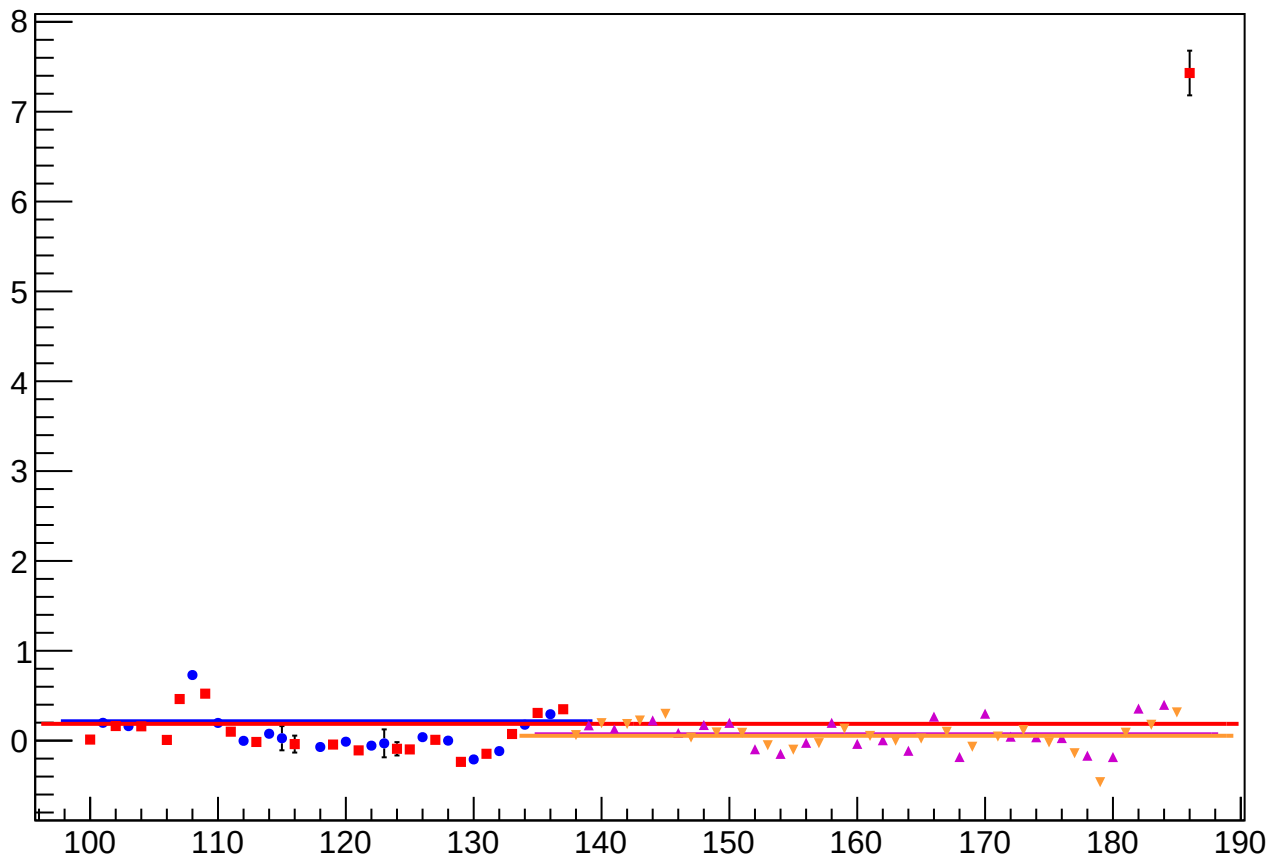
Left In: 48.744 $\pm$ 0.064 χ^2 /NDF: 2097.7/22

+ sign 28.748 $\pm$ 0.045 χ^2 /NDF: 352870.0/41

All: 29.881 $\pm$ 0.032 χ^2 /NDF: 645975.3/84

- sign 31.136 $\pm$ 0.047 χ^2 /NDF: 291751.8/42

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 ± 0.003 χ^2/NDF : 3923.9/16

Left Out: 0.054 ± 0.003 χ^2/NDF : 2379.8/24

Right Out: 0.187 ± 0.003 χ^2/NDF : 3564.4/19

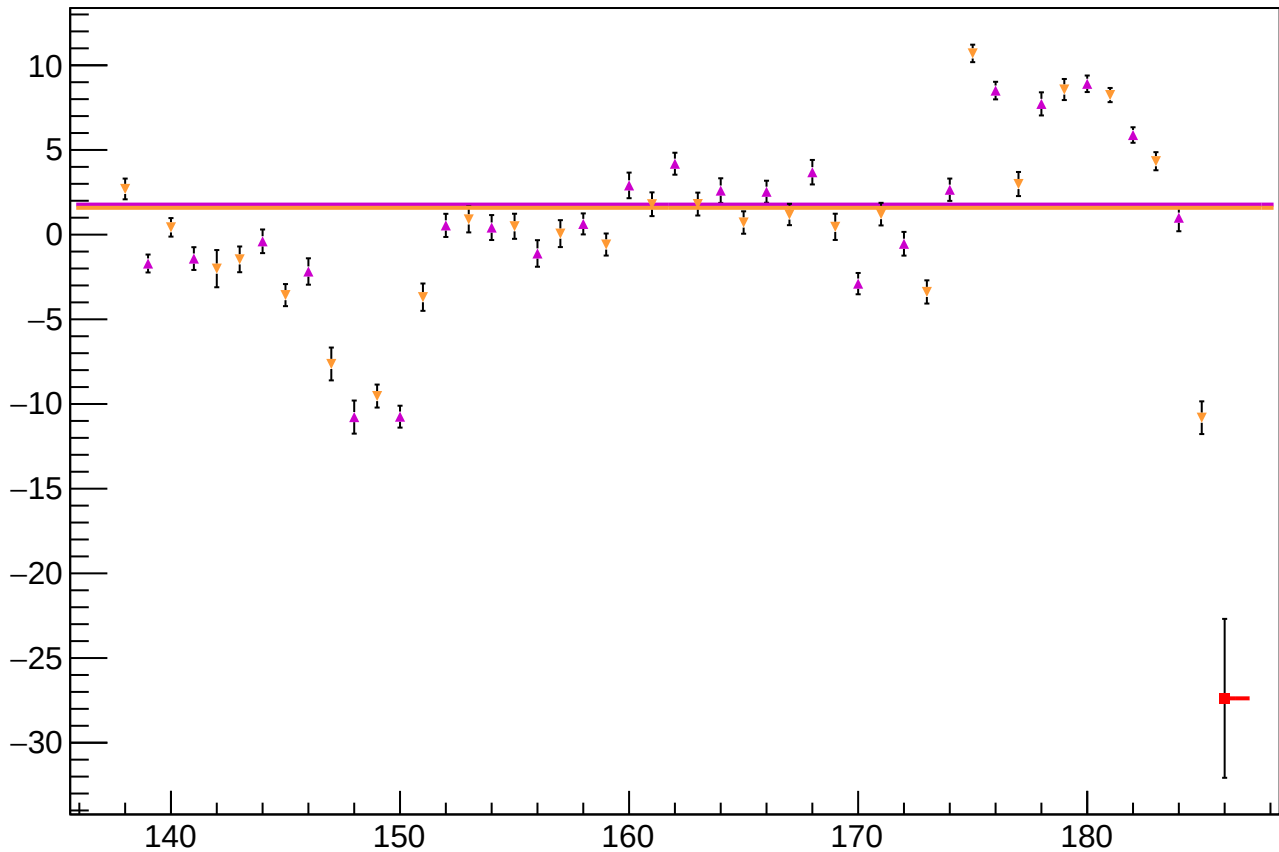
Left In: 0.070 ± 0.003 χ^2/NDF : 3233.8/22

+ sign 0.136 ± 0.002 χ^2/NDF : 7965.4/41

All: 0.134 ± 0.001 χ^2/NDF : 15644.9/84

- sign 0.132 ± 0.002 χ^2/NDF : 7677.6/42

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 1.584 $\pm$ 0.133 χ^2 /NDF:1458.8/24

Right Out: -27.380 $\pm$ 4.692 χ^2 /NDF: 0.0/0

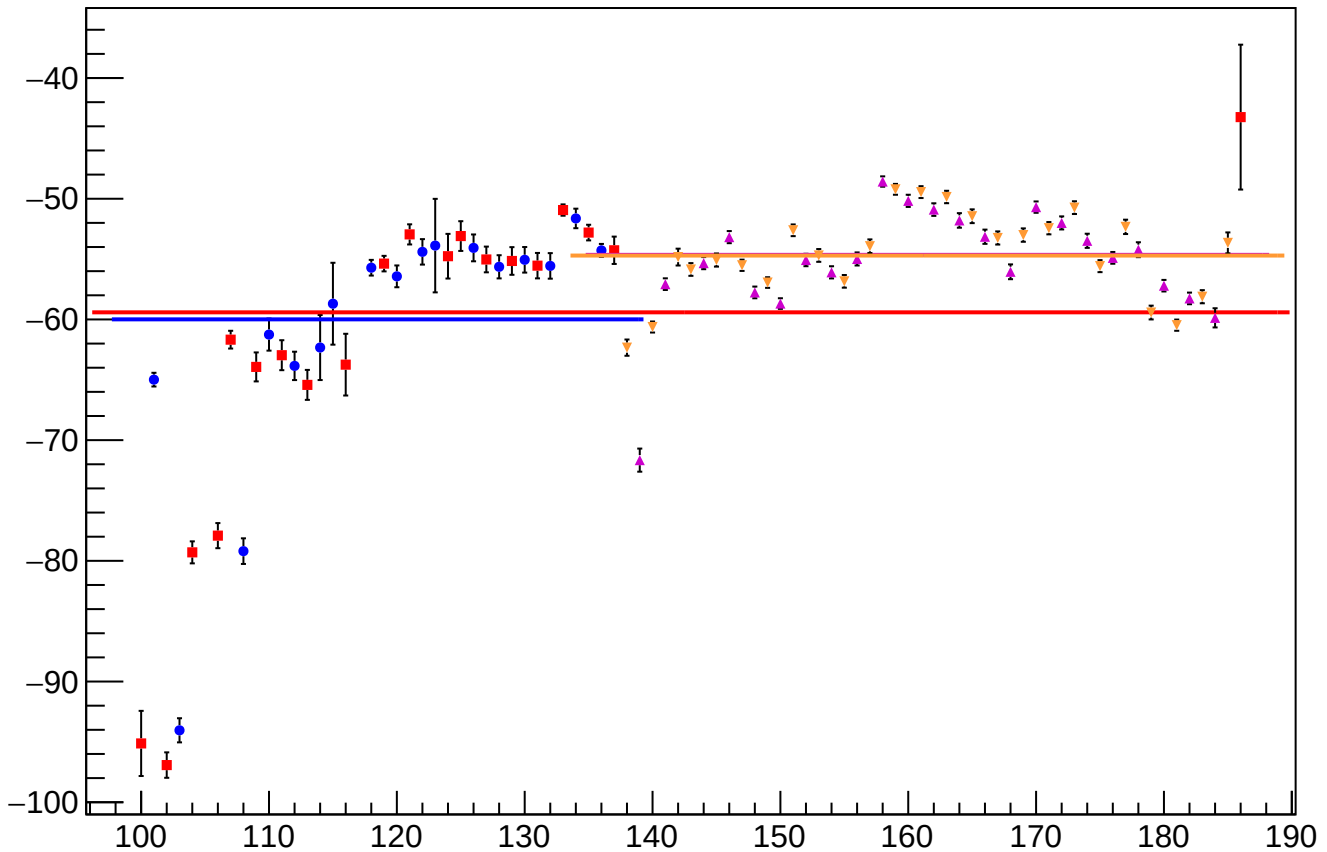
Left In: 1.774 $\pm$ 0.135 χ^2 /NDF:1297.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1.665 $\pm$ 0.095 χ^2 /NDF: 2795.5/48

- sign 1.750 $\pm$ 0.135 χ^2 /NDF: 1335.9/23

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.993 ± 0.225 χ^2/NDF : 1973.4/16

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -59.411 ± 0.212 χ^2/NDF : 2927.4/19

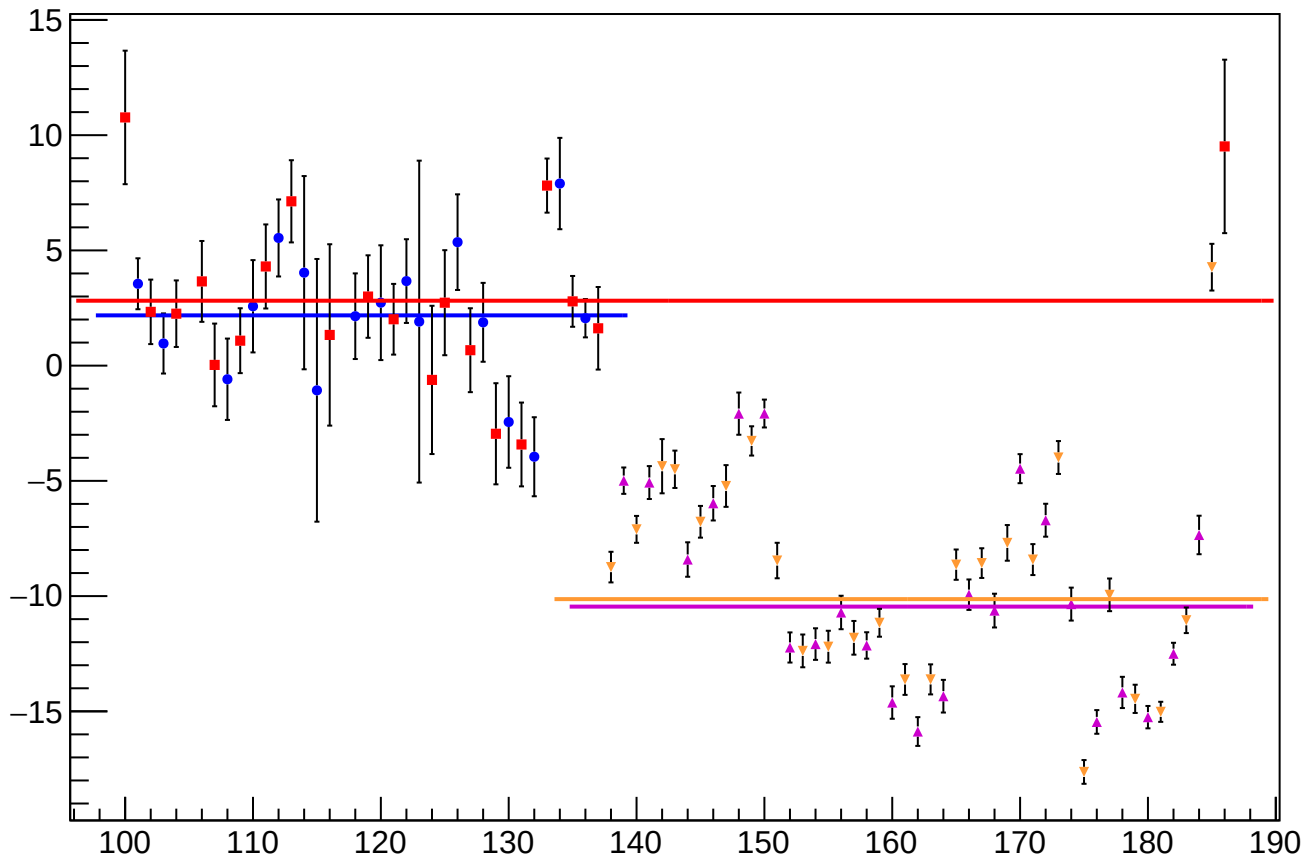
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -55.661 ± 0.096 χ^2/NDF : 3550.9/41

All: -55.659 ± 0.068 χ^2/NDF : 7953.1/84

- sign -55.657 ± 0.097 χ^2/NDF : 4402.2/42

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.2/16$

Left Out: -10.131 ± 0.133 $\chi^2/\text{NDF}: 1055.4/24$

Right Out: 2.817 ± 0.386 $\chi^2/\text{NDF}: 61.8/19$

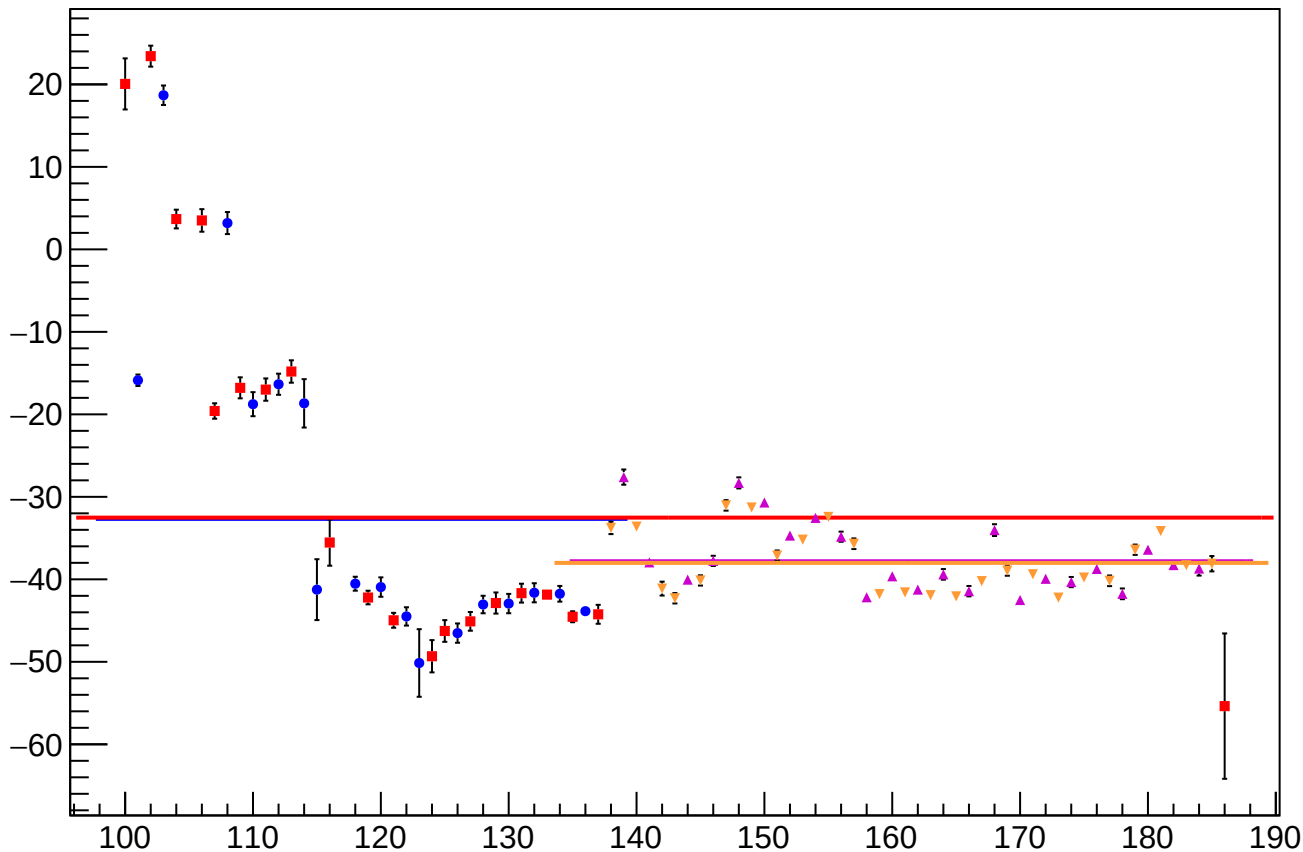
Left In: -10.456 ± 0.135 $\chi^2/\text{NDF}: 1002.7/22$

+ sign -8.942 ± 0.126 $\chi^2/\text{NDF}: 1925.0/41$

All: -8.980 ± 0.090 $\chi^2/\text{NDF}: 4042.0/84$

- sign -9.019 ± 0.127 $\chi^2/\text{NDF}: 2116.8/42$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.671 ± 0.256 $\chi^2/\text{NDF}: 4642.6/16$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -32.518 ± 0.244 $\chi^2/\text{NDF}: 6049.7/19$

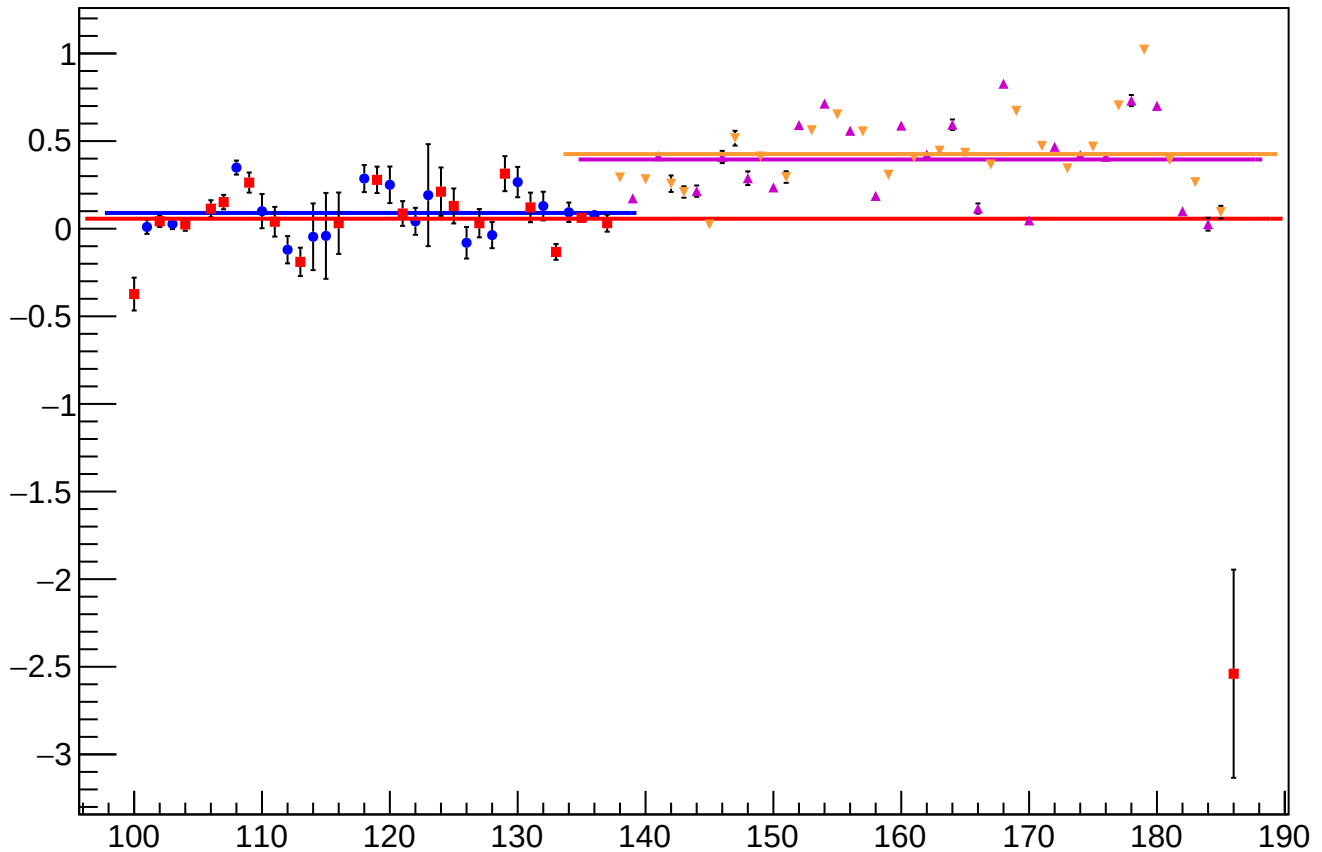
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -37.062 ± 0.108 $\chi^2/\text{NDF}: 5946.0/41$

All: -36.907 ± 0.077 $\chi^2/\text{NDF}: 13415.0/84$

- sign -36.748 ± 0.109 $\chi^2/\text{NDF}: 7464.8/42$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 χ^2/NDF : 79.1/16

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.057 ± 0.012 χ^2/NDF : 106.1/19

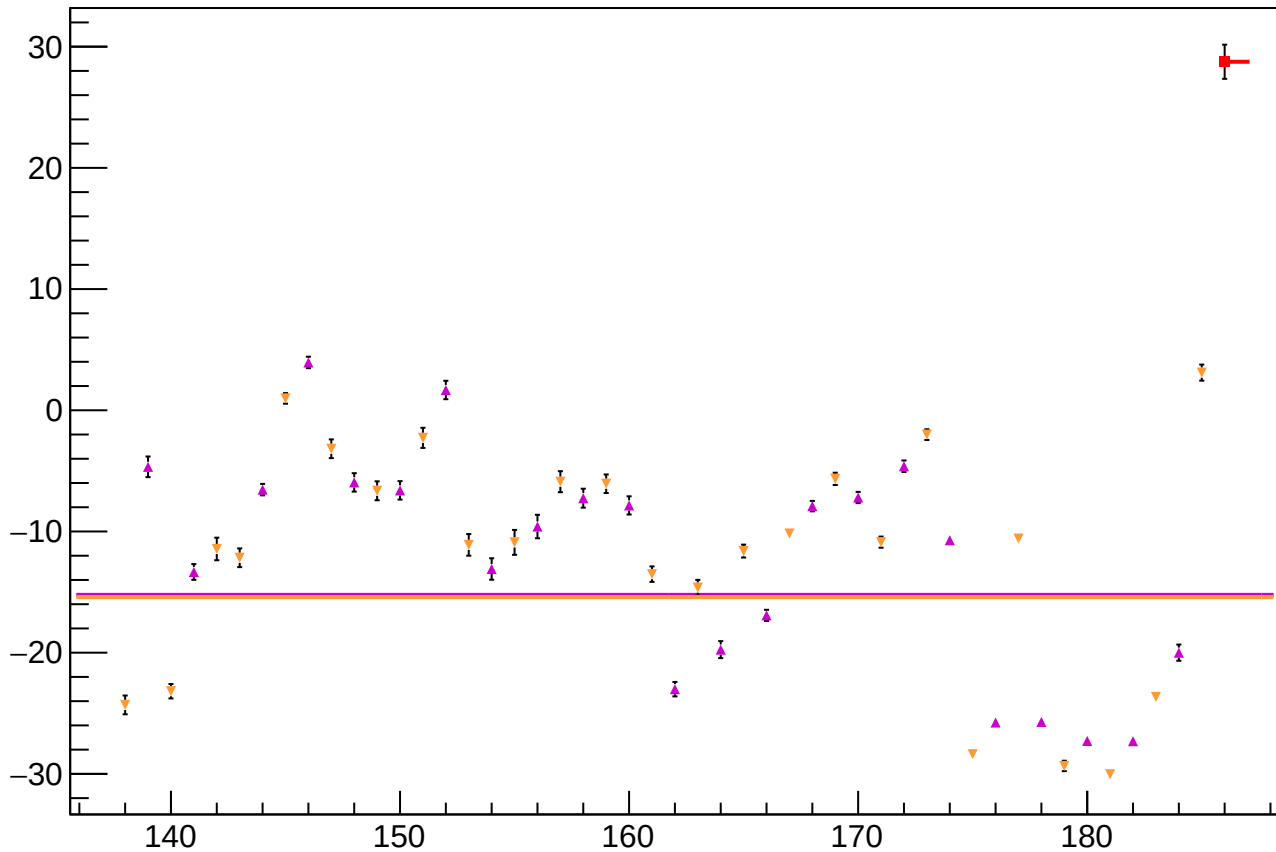
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.375 ± 0.005 χ^2/NDF : 1972.2/41

All: 0.357 ± 0.004 χ^2/NDF : 4546.3/84

- sign 0.339 ± 0.005 χ^2/NDF : 2547.7/42

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -15.413 $\pm$ 0.105 χ^2 /NDF:10509.1/24

Right Out: 28.756 $\pm$ 1.409 χ^2 /NDF: 0.0/0

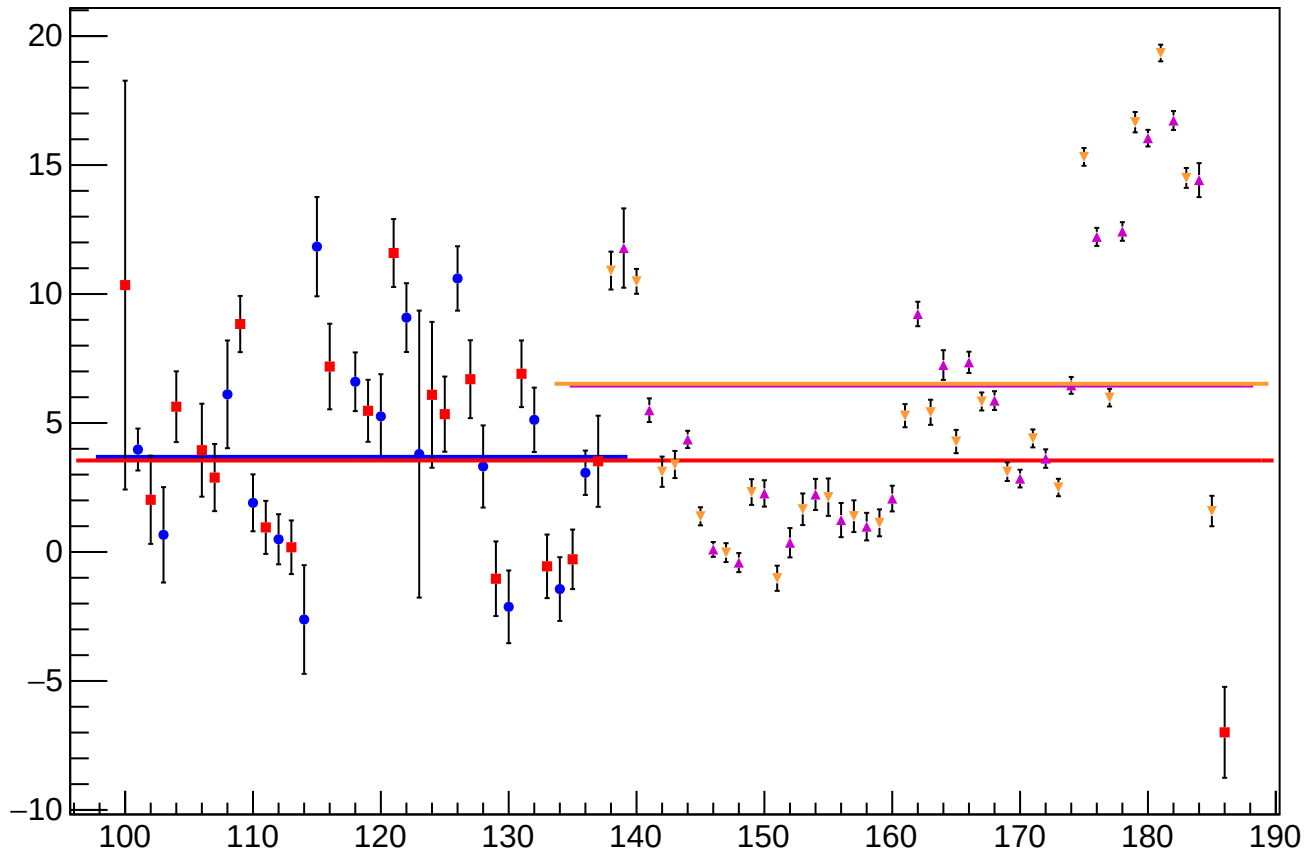
Left In: -15.229 $\pm$ 0.107 χ^2 /NDF:8657.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -15.198 $\pm$ 0.075 χ^2 /NDF: 20143.2/48

- sign -14.979 $\pm$ 0.106 χ^2 /NDF: 9625.7/23

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.687 ± 0.311 χ^2/NDF : 135.1/16

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.547 ± 0.312 χ^2/NDF : 170.6/19

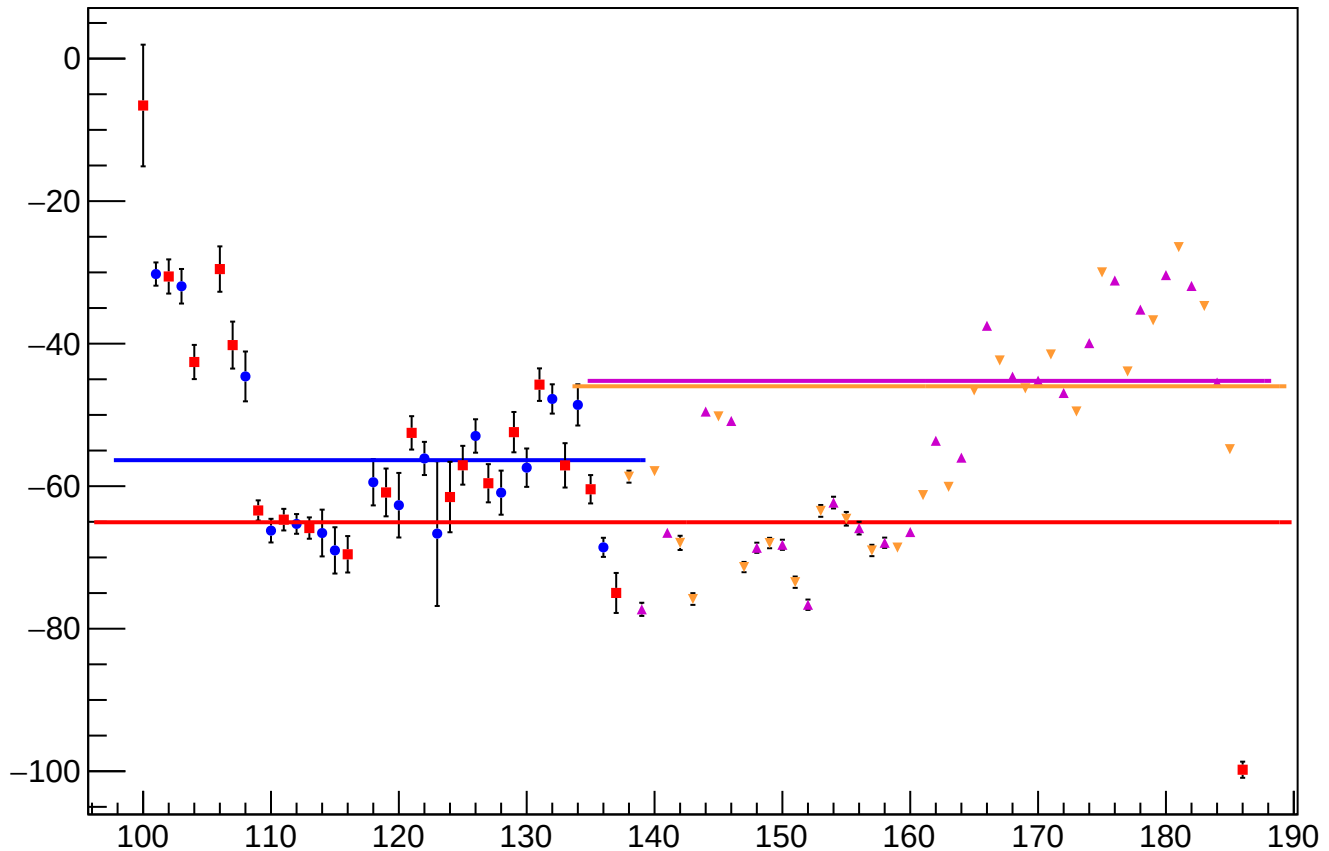
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.322 ± 0.082 χ^2/NDF : 5197.5/41

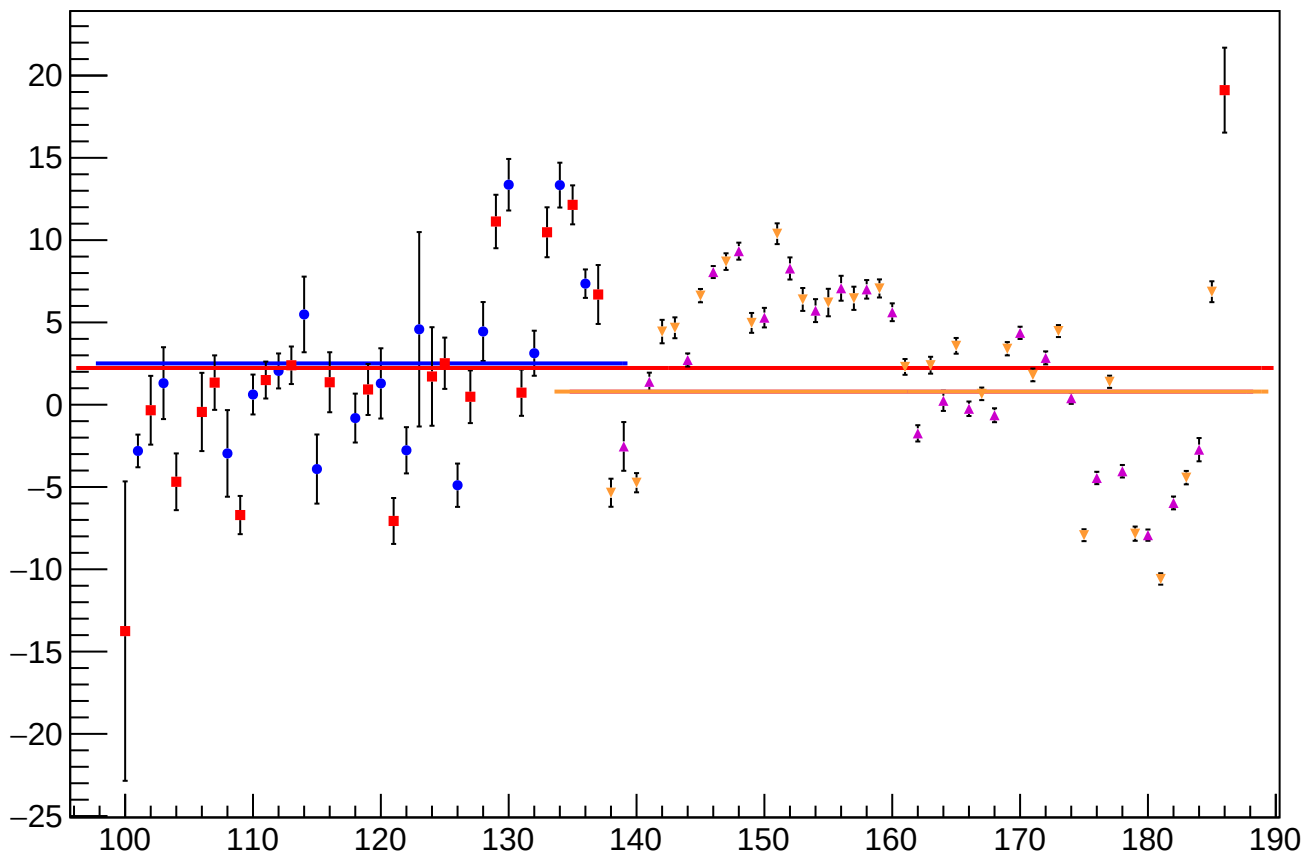
All: 6.284 ± 0.058 χ^2/NDF : 9397.3/84

- sign 6.246 ± 0.083 χ^2/NDF : 4199.3/42

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.509 $\pm$ 0.348 χ^2 /NDF: 242.2/16

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 2.231 $\pm$ 0.352 χ^2 /NDF: 308.2/19

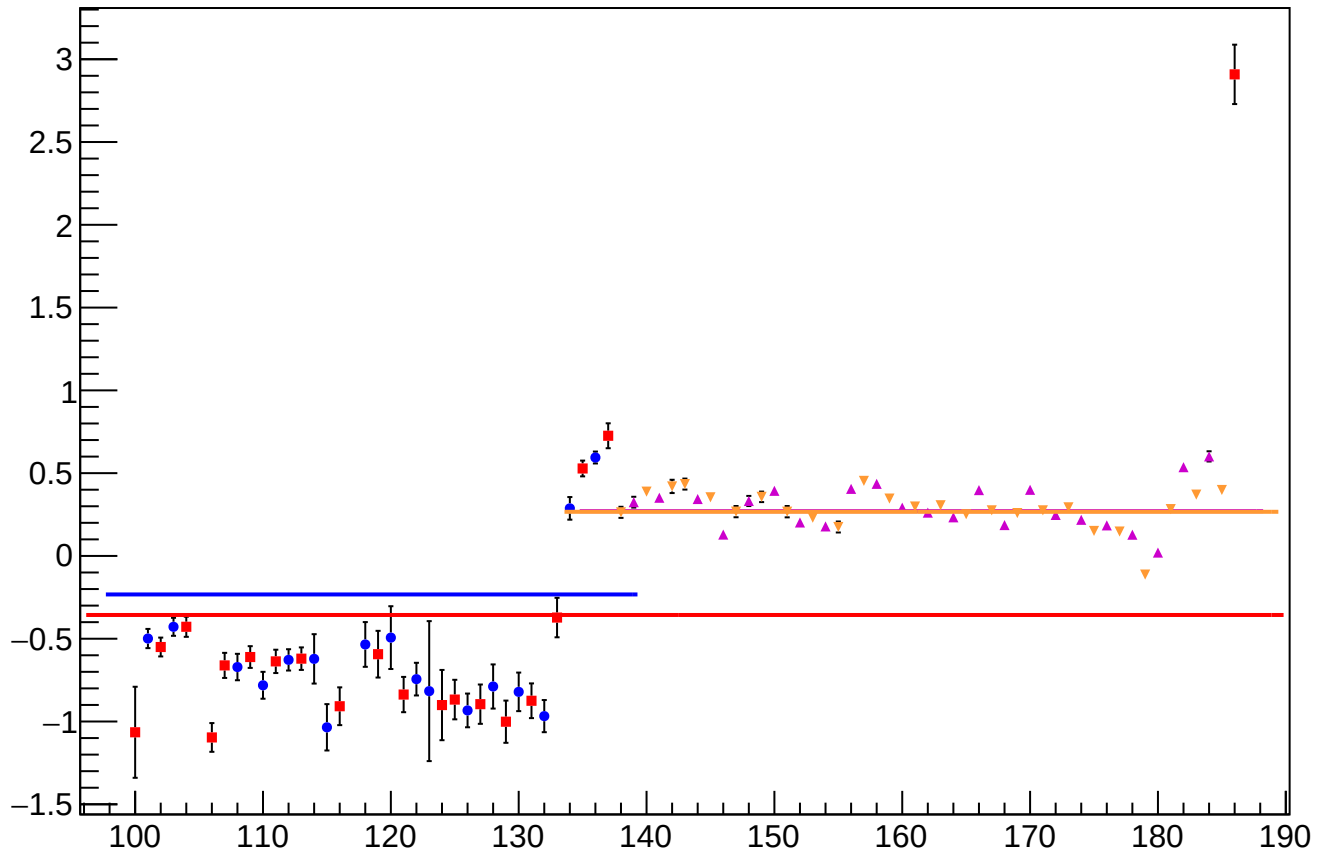
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.917 $\pm$ 0.092 χ^2 /NDF: 4024.7/41

All: 0.905 $\pm$ 0.065 χ^2 /NDF: 7041.0/84

- sign 0.893 $\pm$ 0.093 χ^2 /NDF: 3016.2/42

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 957.0/16

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.357 ± 0.019 χ^2/NDF : 1179.7/19

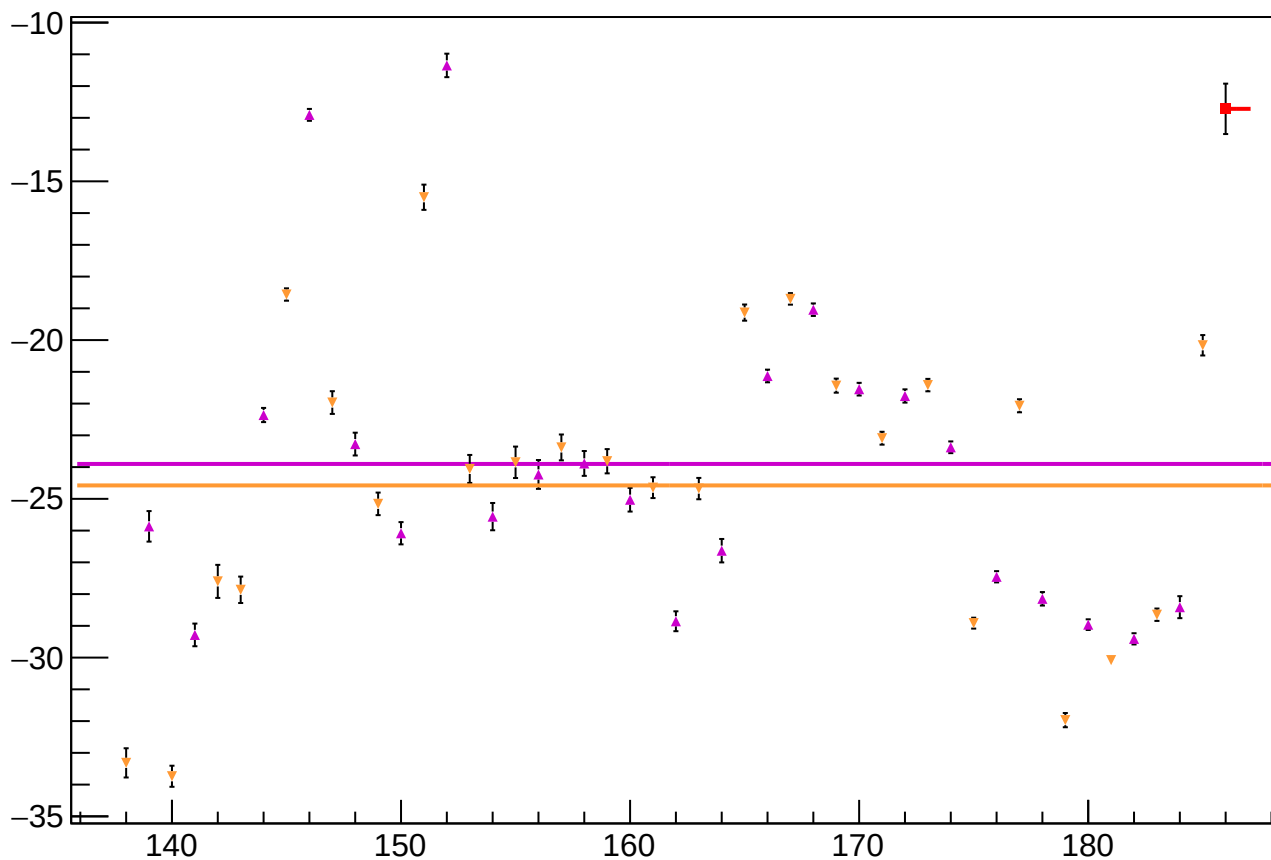
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.241 ± 0.004 χ^2/NDF : 2317.6/41

All: 0.240 ± 0.003 χ^2/NDF : 5510.8/84

- sign 0.238 ± 0.004 χ^2/NDF : 3192.8/42

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -24.577 $\pm$ 0.051 χ^2 /NDF: 8590.4/24

Right Out: -12.717 $\pm$ 0.794 χ^2 /NDF: 0.0/0

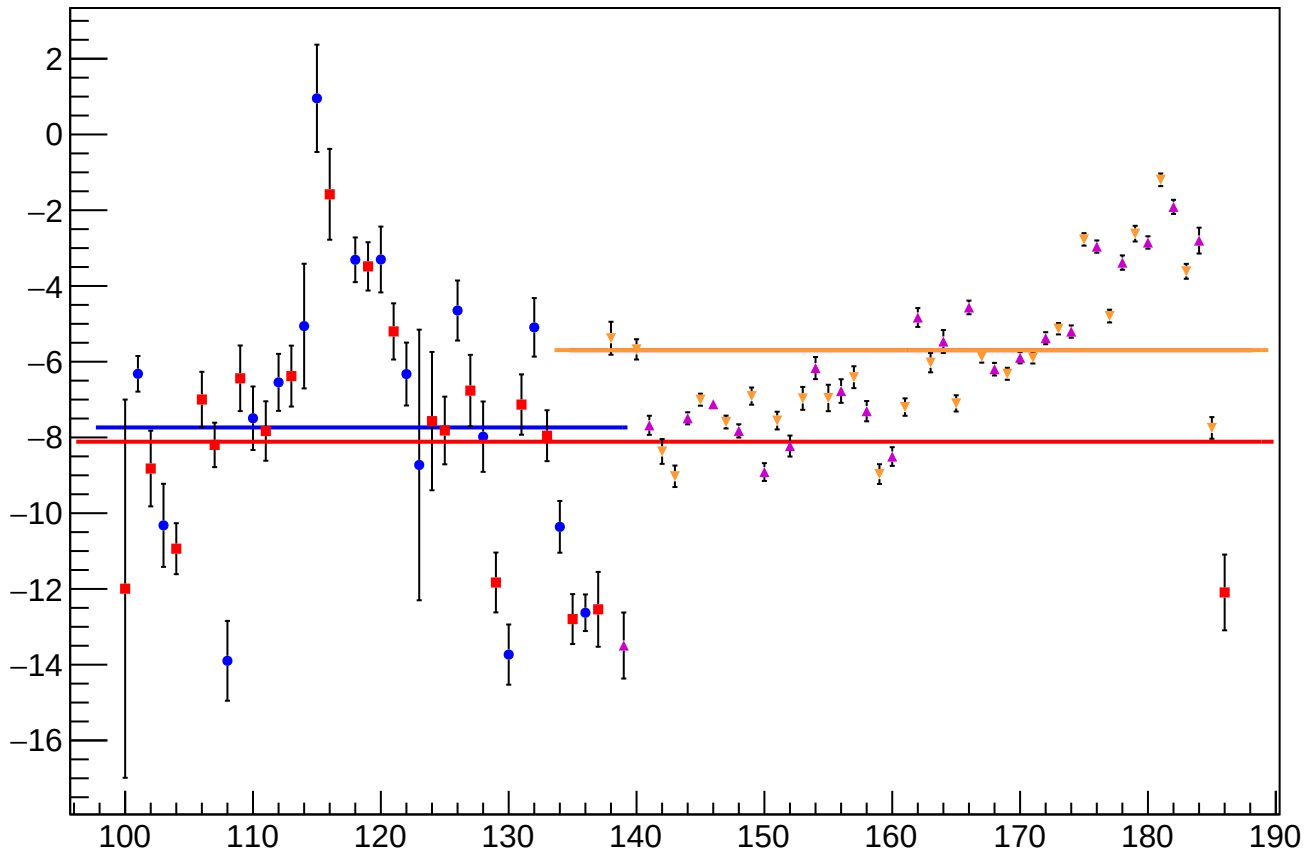
Left In: -23.901 $\pm$ 0.051 χ^2 /NDF: 9154.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -24.216 $\pm$ 0.036 χ^2 /NDF: 18043.5/48

- sign -23.855 $\pm$ 0.051 χ^2 /NDF: 9352.6/23

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.736 ± 0.187 χ^2/NDF : 378.1/16

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -8.113 ± 0.183 χ^2/NDF : 239.5/19

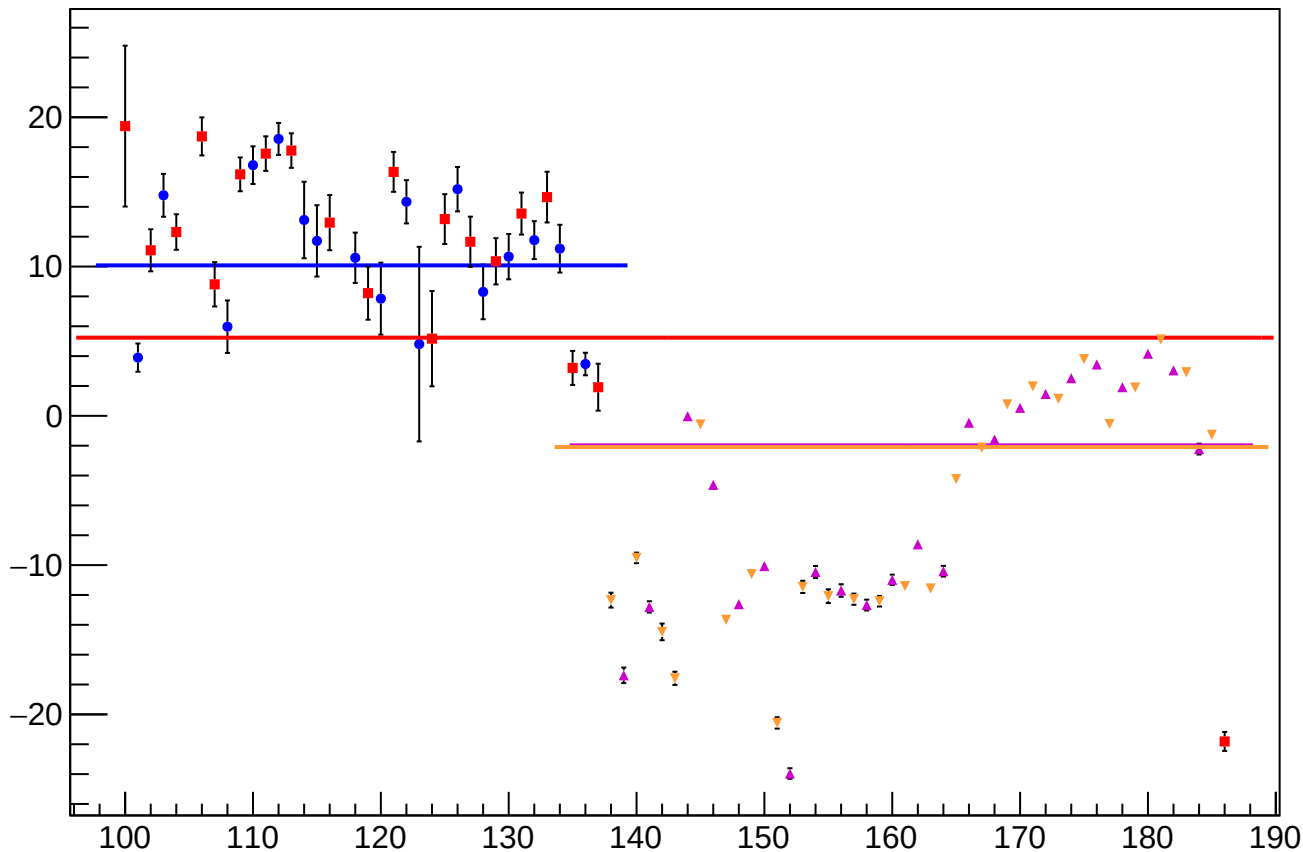
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.788 ± 0.040 χ^2/NDF : 2749.6/41

All: -5.799 ± 0.028 χ^2/NDF : 5465.3/84

- sign -5.811 ± 0.040 χ^2/NDF : 2715.5/42

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.078 ± 0.339 χ^2/NDF : 253.6/16

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: 5.236 ± 0.295 χ^2/NDF : 2514.1/19

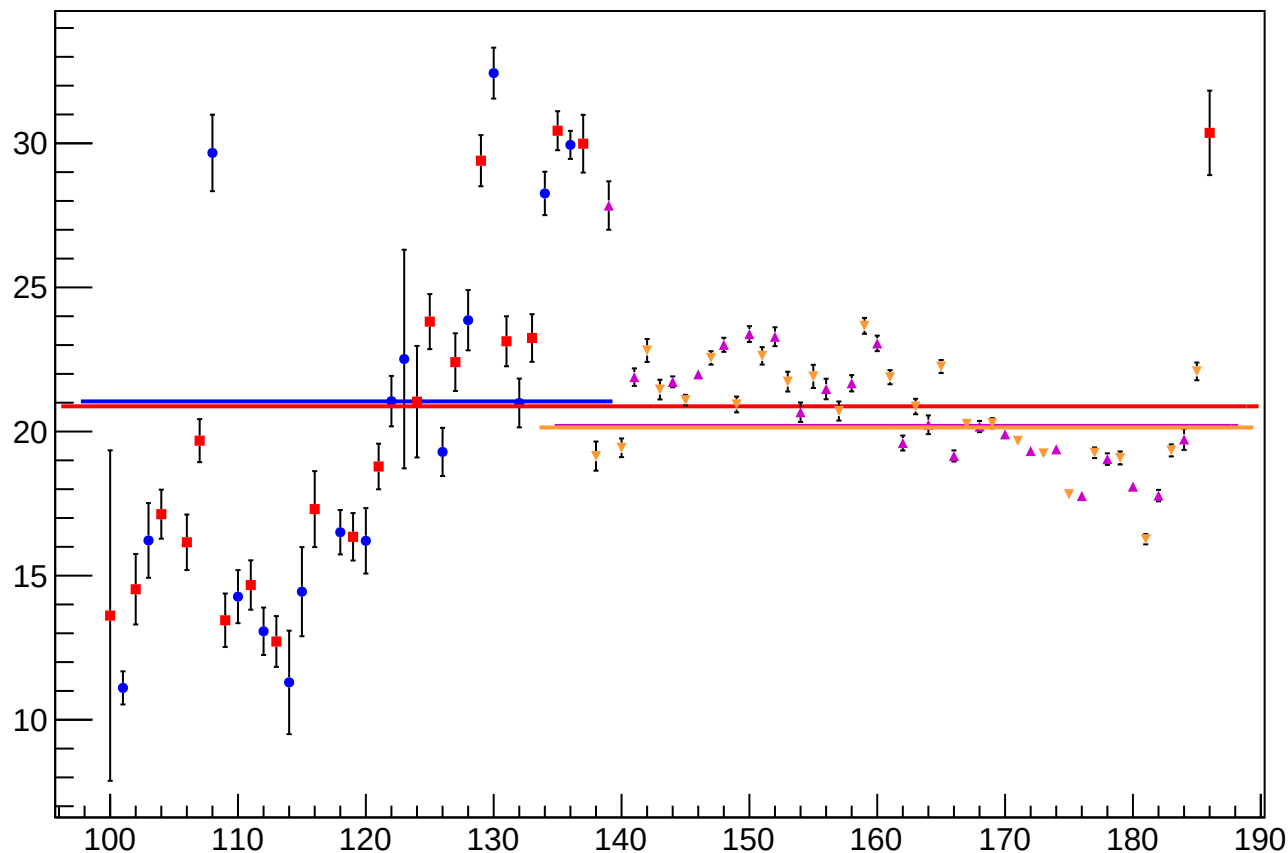
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -1.818 ± 0.051 χ^2/NDF : 17822.1/41

All: -1.793 ± 0.036 χ^2/NDF : 36298.8/84

- sign -1.769 ± 0.051 χ^2/NDF : 18476.2/42

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.045 $\pm$ 0.211 χ^2 /NDF: 1209.4/16

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 20.874 $\pm$ 0.211 χ^2 /NDF: 764.4/19

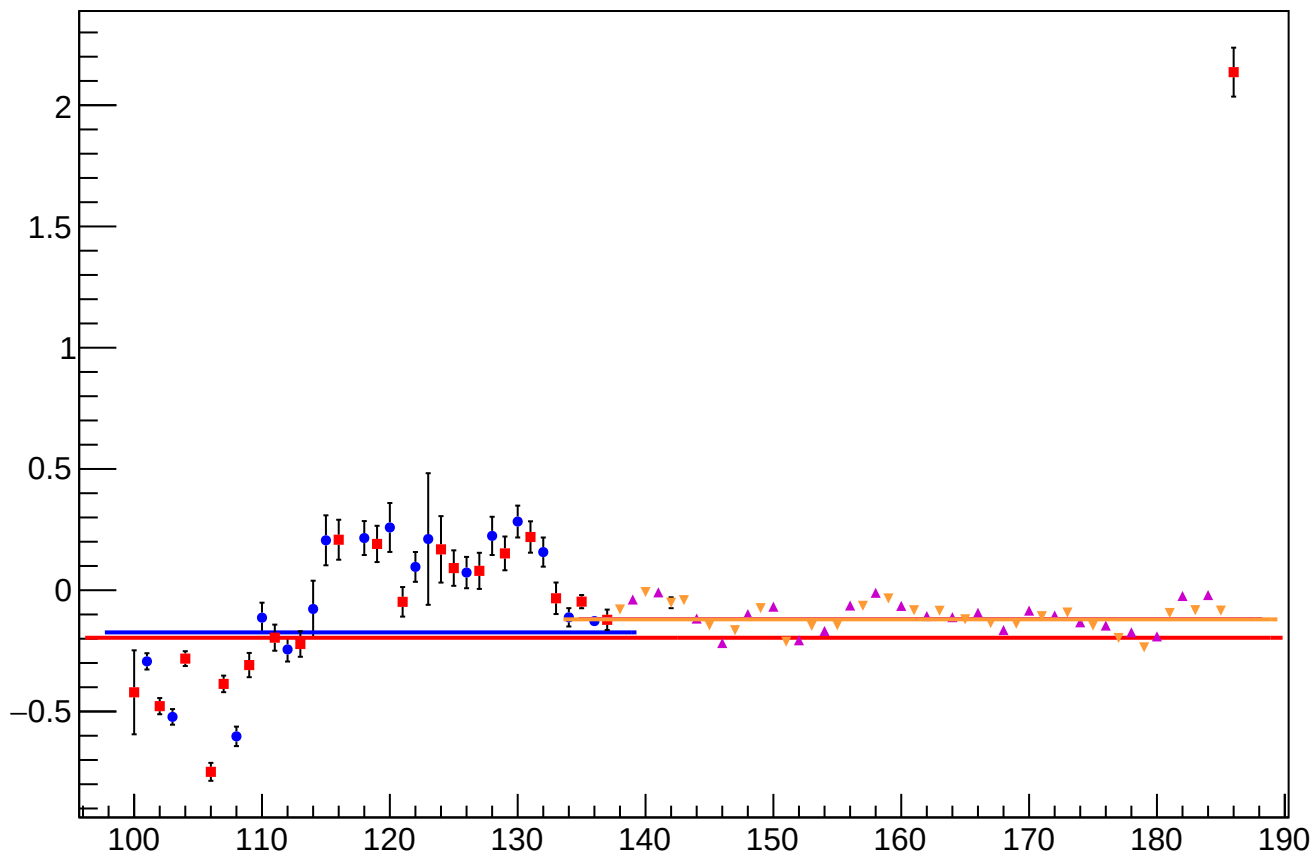
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.182 $\pm$ 0.045 χ^2 /NDF: 2646.0/41

All: 20.203 $\pm$ 0.032 χ^2 /NDF: 4868.2/84

- sign 20.225 $\pm$ 0.045 χ^2 /NDF: 2221.8/42

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.174 ± 0.011 χ^2/NDF : 458.2/16

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.196 ± 0.011 χ^2/NDF : 1073.0/19

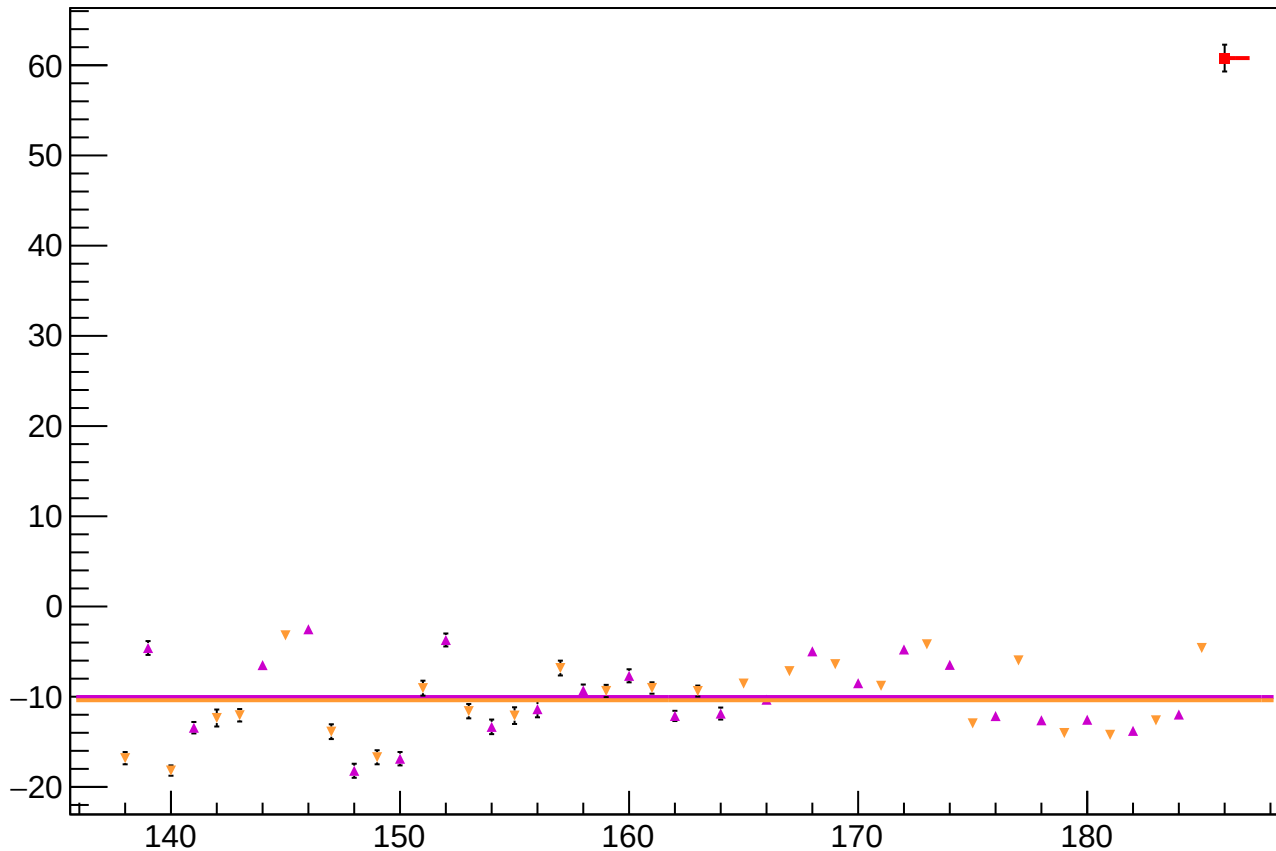
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.122 ± 0.002 χ^2/NDF : 1010.9/41

All: -0.122 ± 0.001 χ^2/NDF : 2854.2/84

- sign -0.121 ± 0.002 χ^2/NDF : 1843.3/42

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -10.391 $\pm$ 0.088 χ^2 /NDF:2111.6/24

Right Out: 60.793 $\pm$ 1.487 χ^2 /NDF: 0.0/0

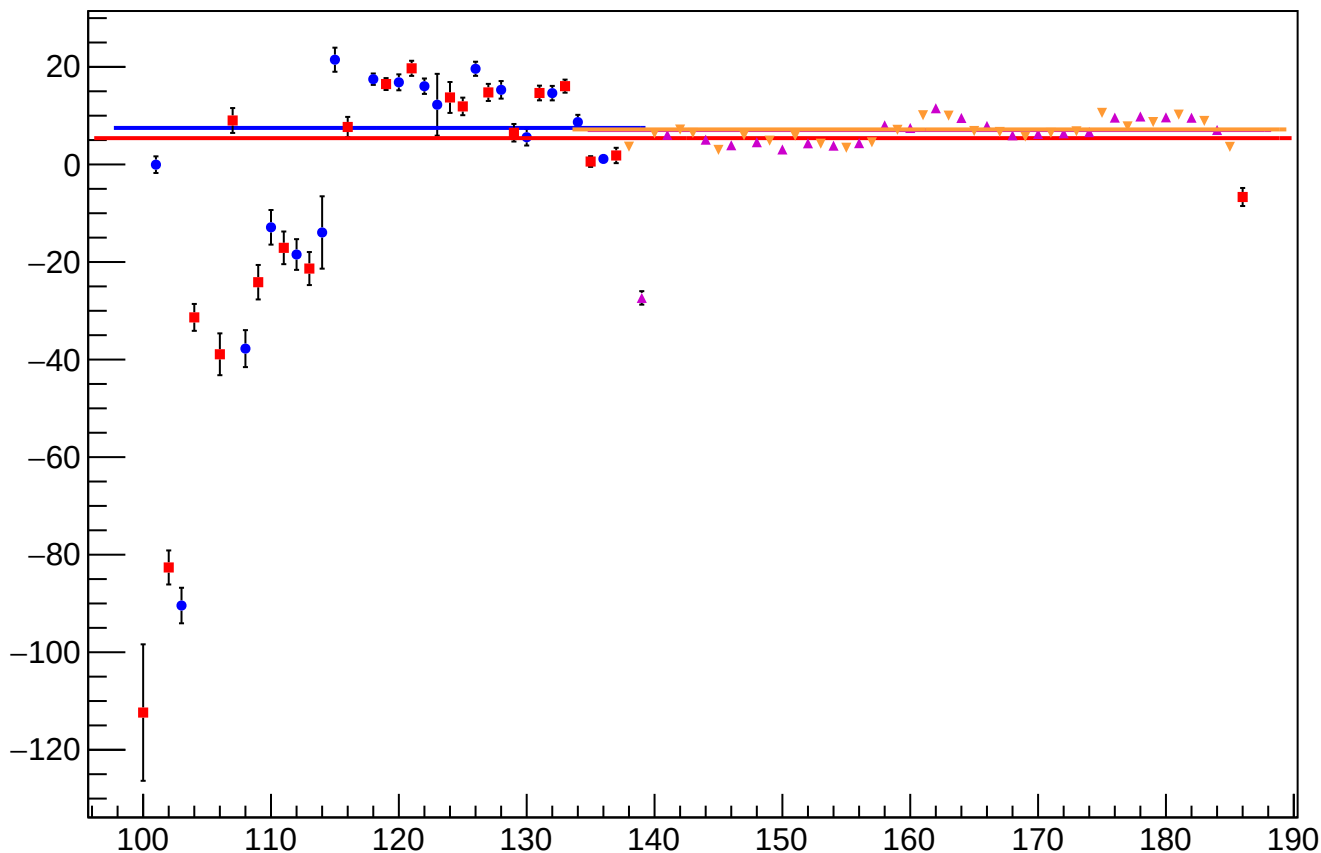
Left In: -10.036 $\pm$ 0.090 χ^2 /NDF:1758.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -10.091 $\pm$ 0.063 χ^2 /NDF: 6155.9/48

- sign -9.780 $\pm$ 0.089 χ^2 /NDF: 4020.6/23

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.489 ± 0.407 χ^2/NDF : 1340.6/16

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 5.394 ± 0.423 χ^2/NDF : 1556.8/19

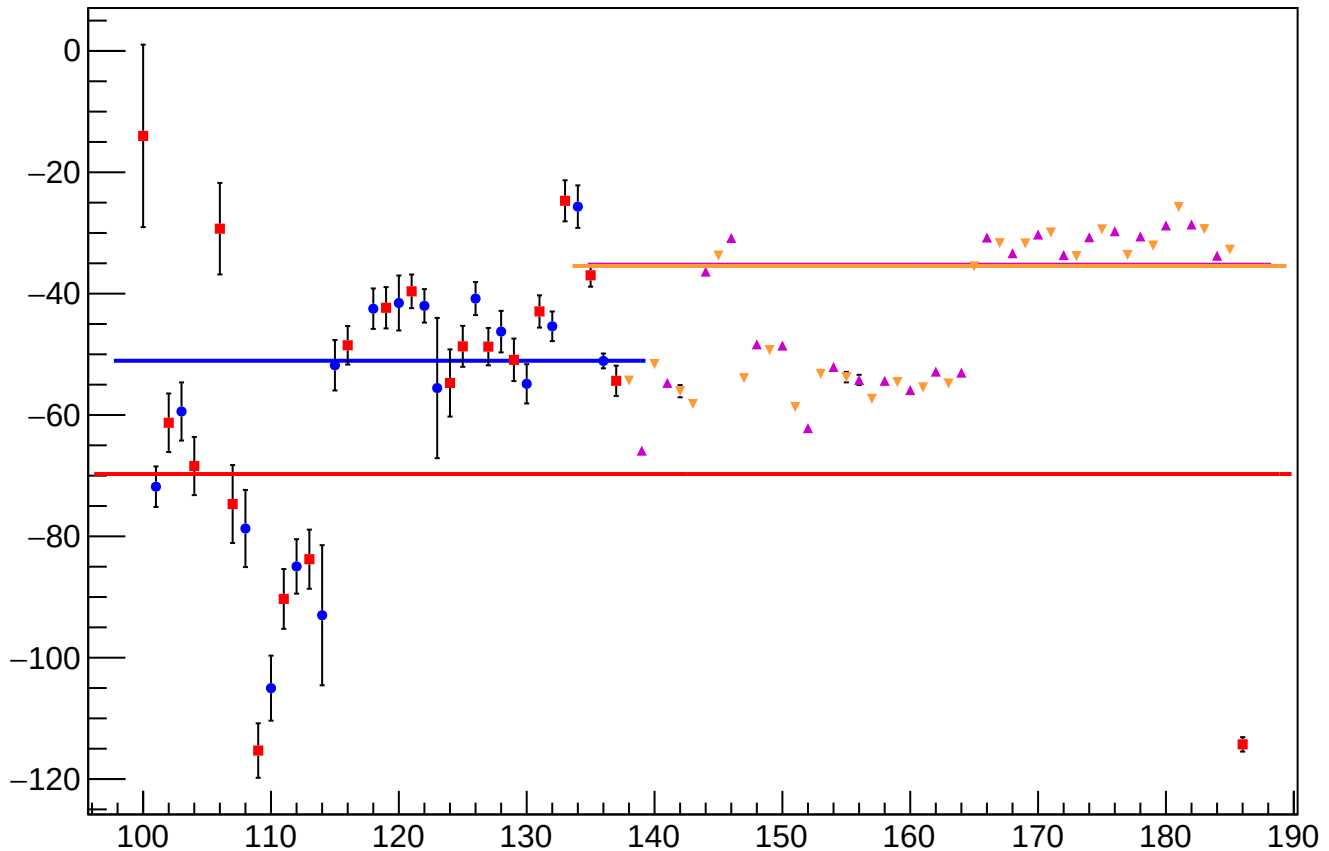
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.194 ± 0.072 χ^2/NDF : 2258.4/41

All: 7.100 ± 0.051 χ^2/NDF : 5369.4/84

- sign 7.003 ± 0.073 χ^2/NDF : 3107.5/42

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.060 ± 0.742 χ^2/NDF : 329.6/16

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -69.729 ± 0.664 χ^2/NDF : 2553.1/19

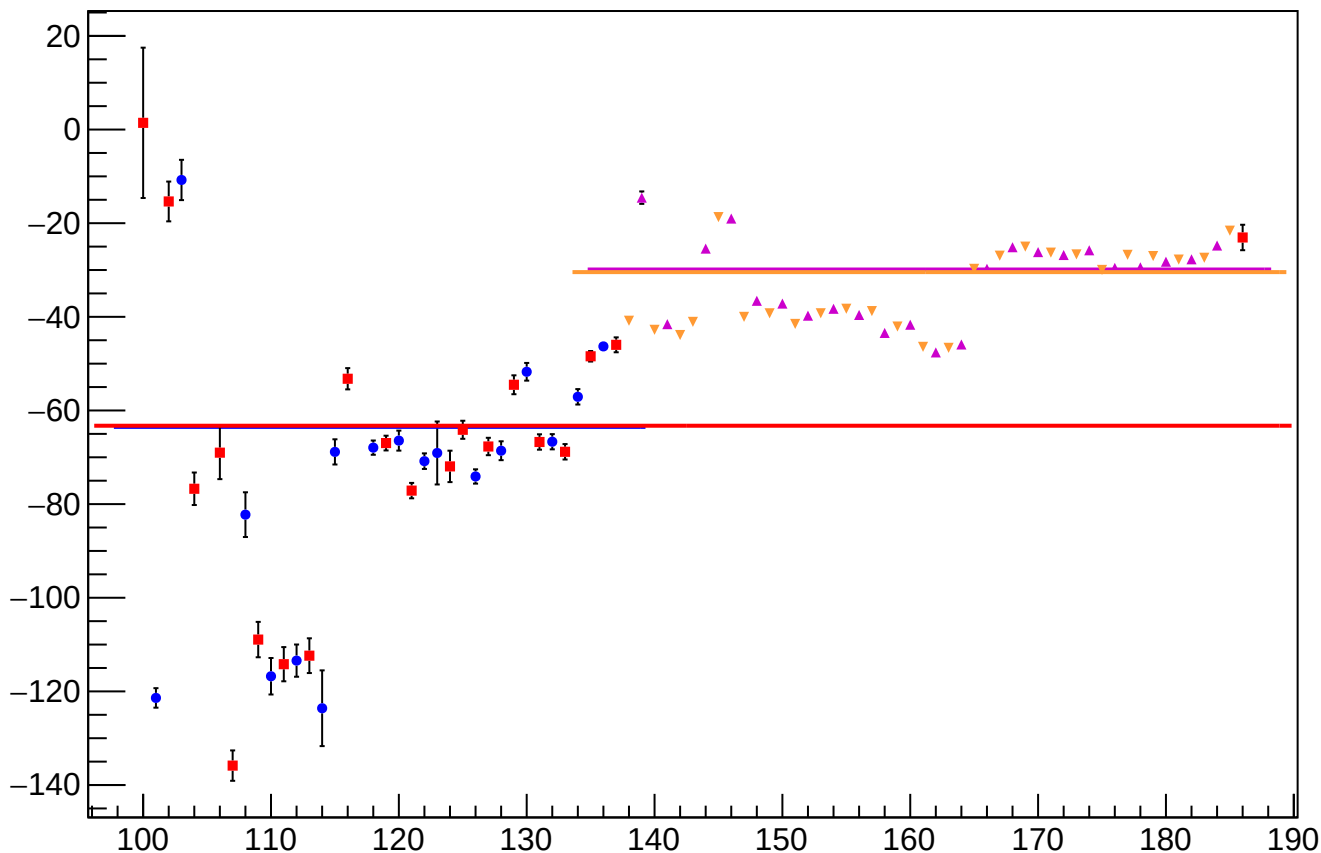
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.656 ± 0.088 χ^2/NDF : 13549.9/41

All: -35.754 ± 0.063 χ^2/NDF : 30362.8/84

- sign -35.853 ± 0.089 χ^2/NDF : 16810.5/42

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.501 ± 0.449 χ^2/NDF : 2006.3/16

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -63.259 ± 0.476 χ^2/NDF : 1830.1/19

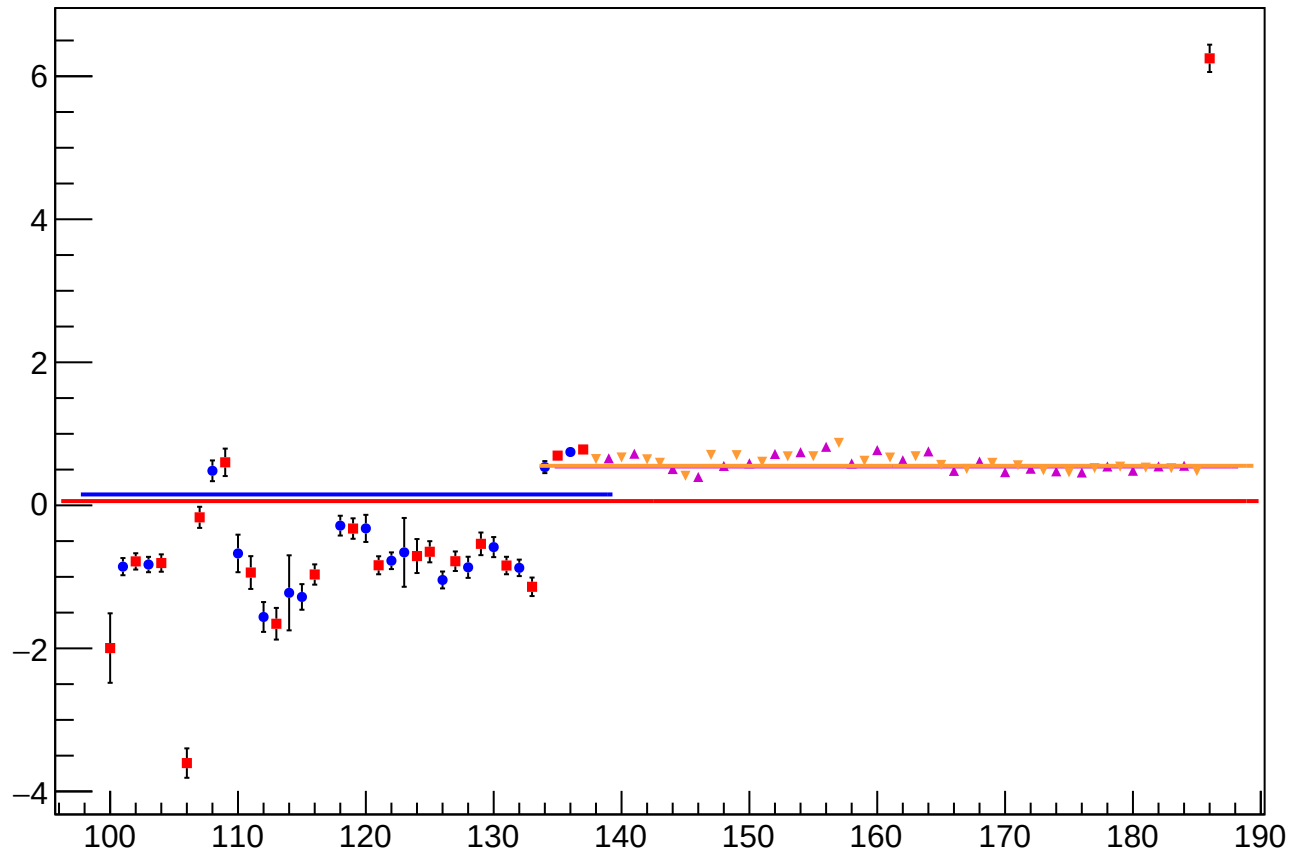
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.502 ± 0.080 χ^2/NDF : 15415.2/41

All: -31.188 ± 0.057 χ^2/NDF : 29154.7/84

- sign -30.866 ± 0.081 χ^2/NDF : 13708.5/42

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.553 ± 0.004 χ^2/NDF : 542.1/24

Right Out: 0.060 ± 0.026 χ^2/NDF : 2228.9/19

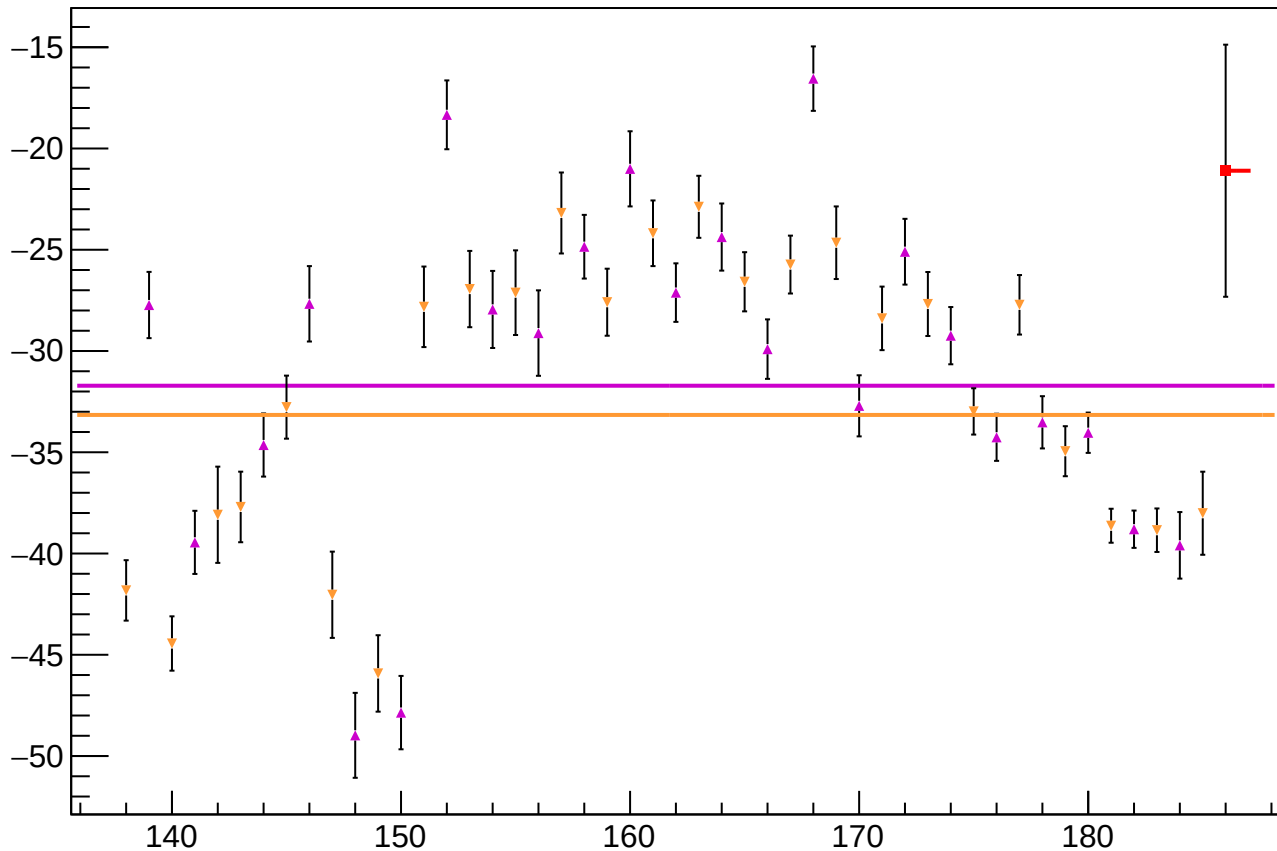
Left In: 0.544 ± 0.004 χ^2/NDF : 655.9/22

+ sign 0.544 ± 0.004 χ^2/NDF : 1800.3/41

All: 0.539 ± 0.003 χ^2/NDF : 5026.1/84

- sign 0.534 ± 0.004 χ^2/NDF : 3222.3/42

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -33.157 $\pm$ 0.300 χ^2 /NDF: 500.1/24

Right Out: -21.098 $\pm$ 6.224 χ^2 /NDF: 0.0/0

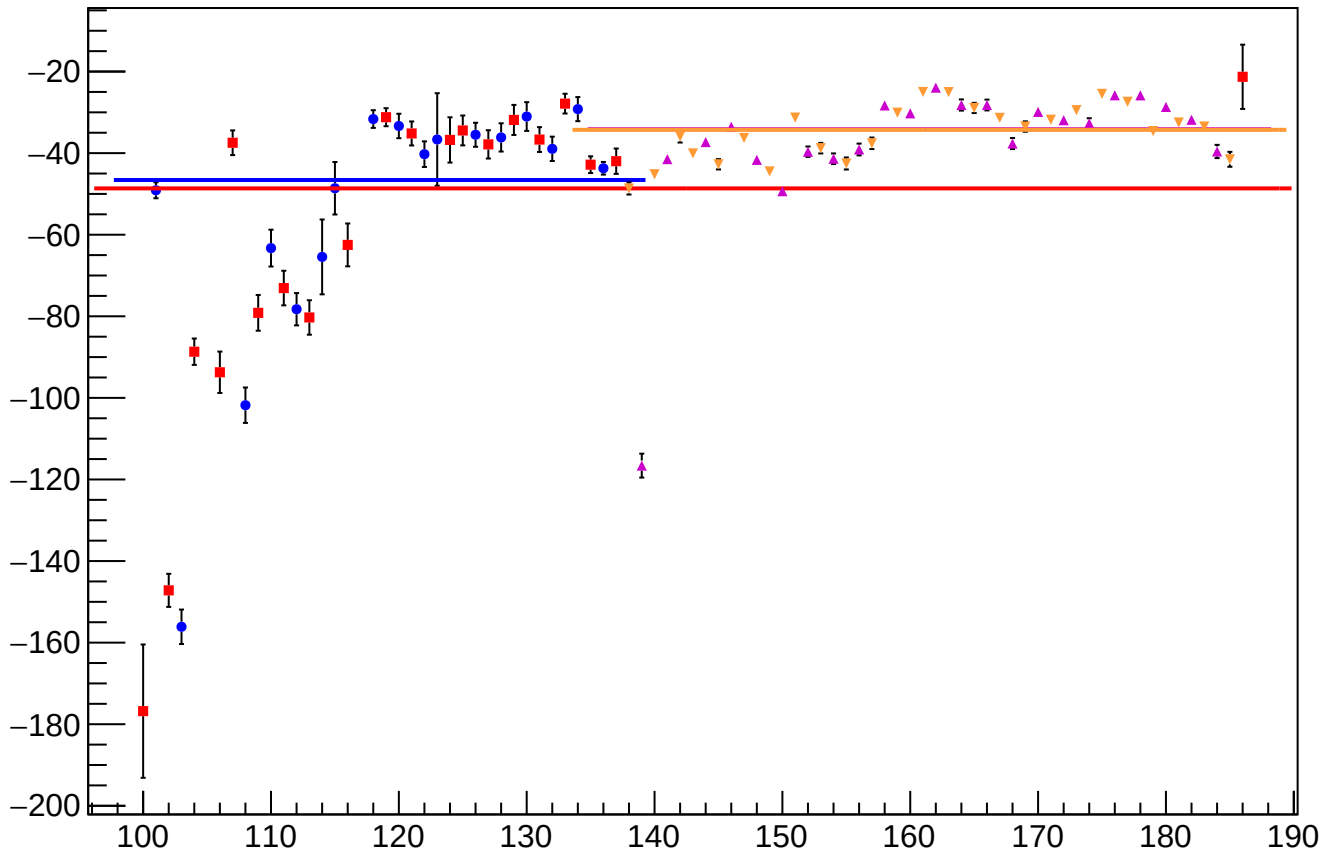
Left In: -31.714 $\pm$ 0.309 χ^2 /NDF: 542.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -32.443 $\pm$ 0.215 χ^2 /NDF: 1056.9/48

- sign -31.688 $\pm$ 0.309 χ^2 /NDF: 545.2/23

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.587 ± 0.730 χ^2/NDF : 1076.0/16

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -48.646 ± 0.761 χ^2/NDF : 1289.8/19

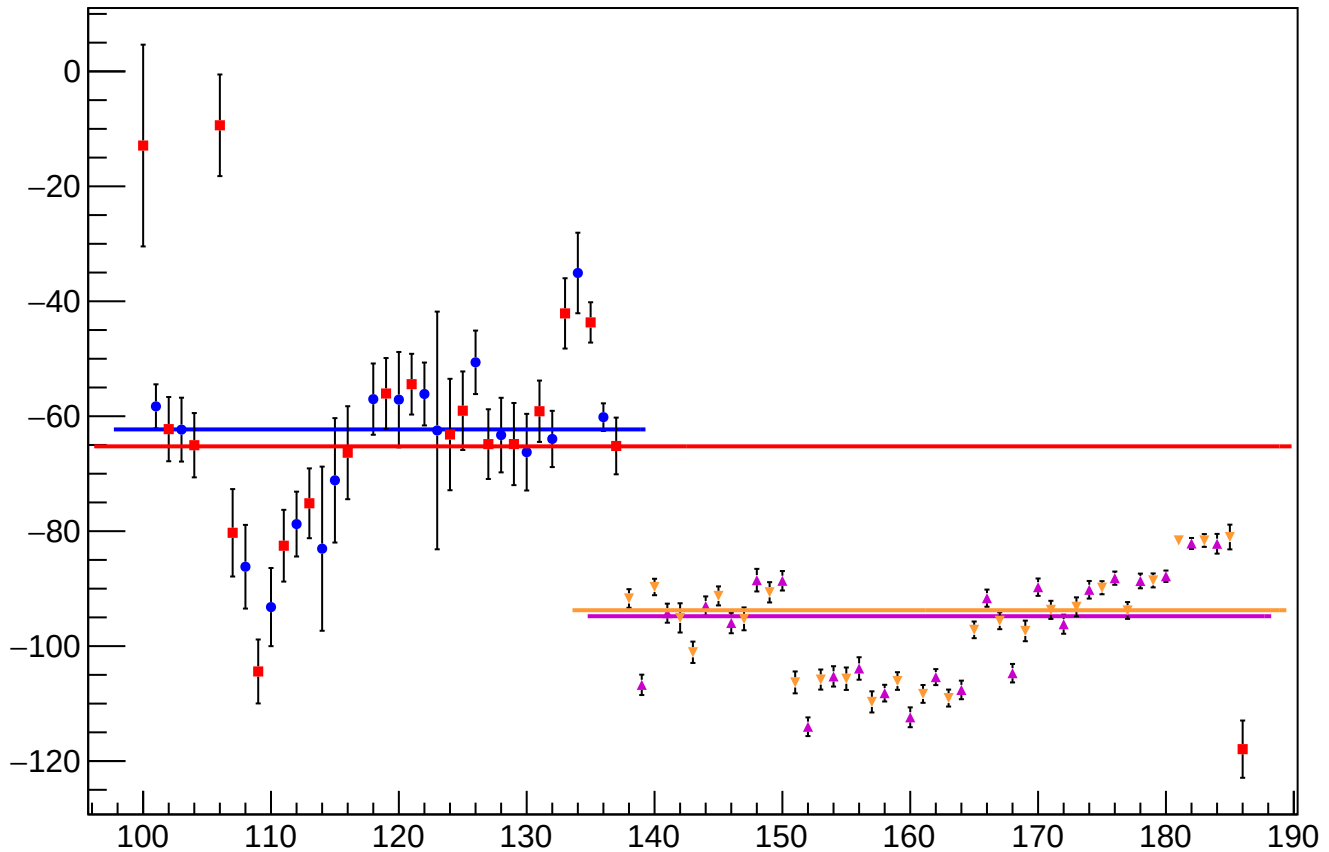
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -35.499 ± 0.229 χ^2/NDF : 2026.9/41

All: -35.531 ± 0.165 χ^2/NDF : 5097.0/84

- sign -35.566 ± 0.238 χ^2/NDF : 3070.0/42

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.294 ± 1.317 χ^2/NDF : 67.1/16

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -65.241 ± 1.333 χ^2/NDF : 285.5/19

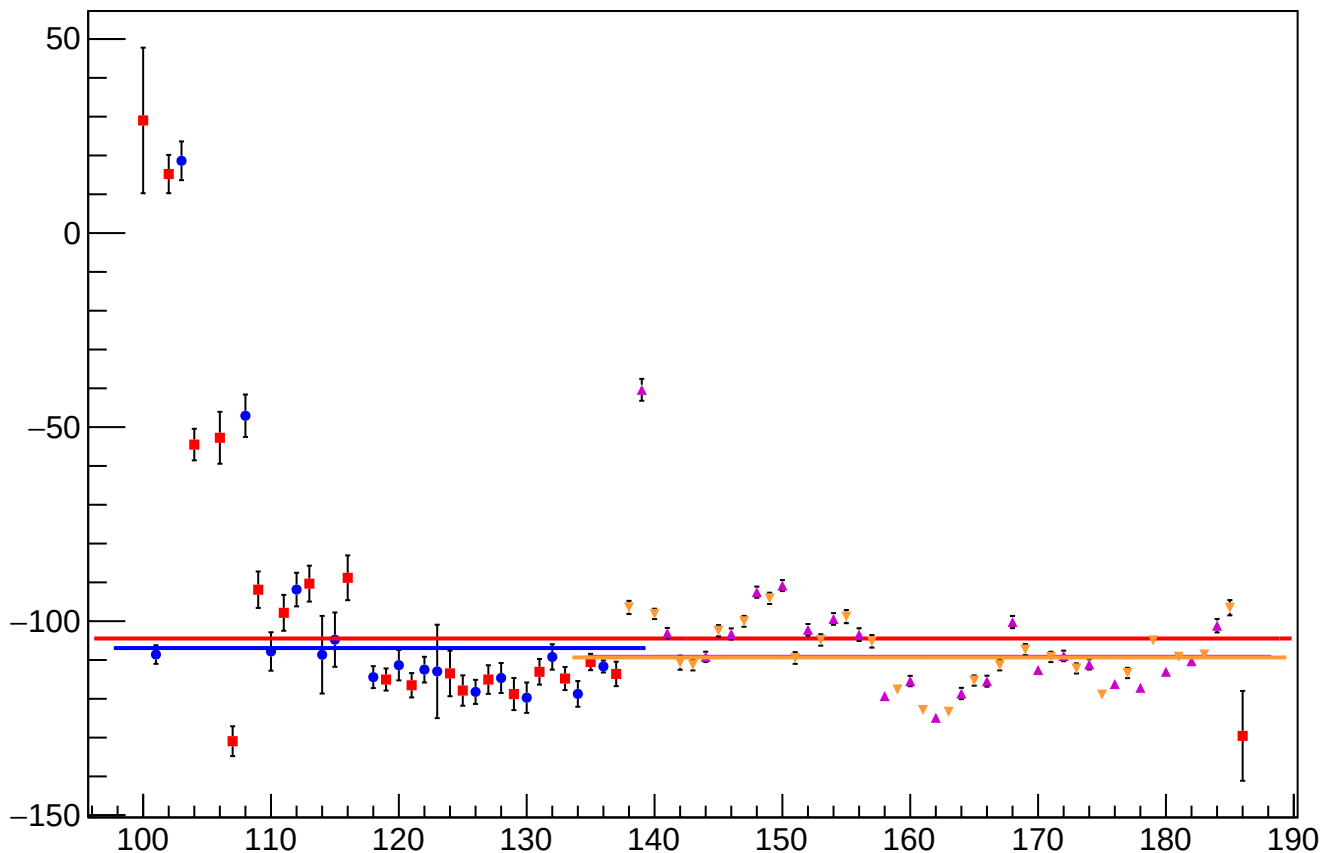
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.185 ± 0.294 χ^2/NDF : 1492.2/41

All: -92.727 ± 0.210 χ^2/NDF : 3226.1/84

- sign -93.293 ± 0.300 χ^2/NDF : 1727.0/42

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.926 ± 0.818 χ^2/NDF : 826.7/16

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -104.464 ± 0.860 χ^2/NDF : 1025.2/19

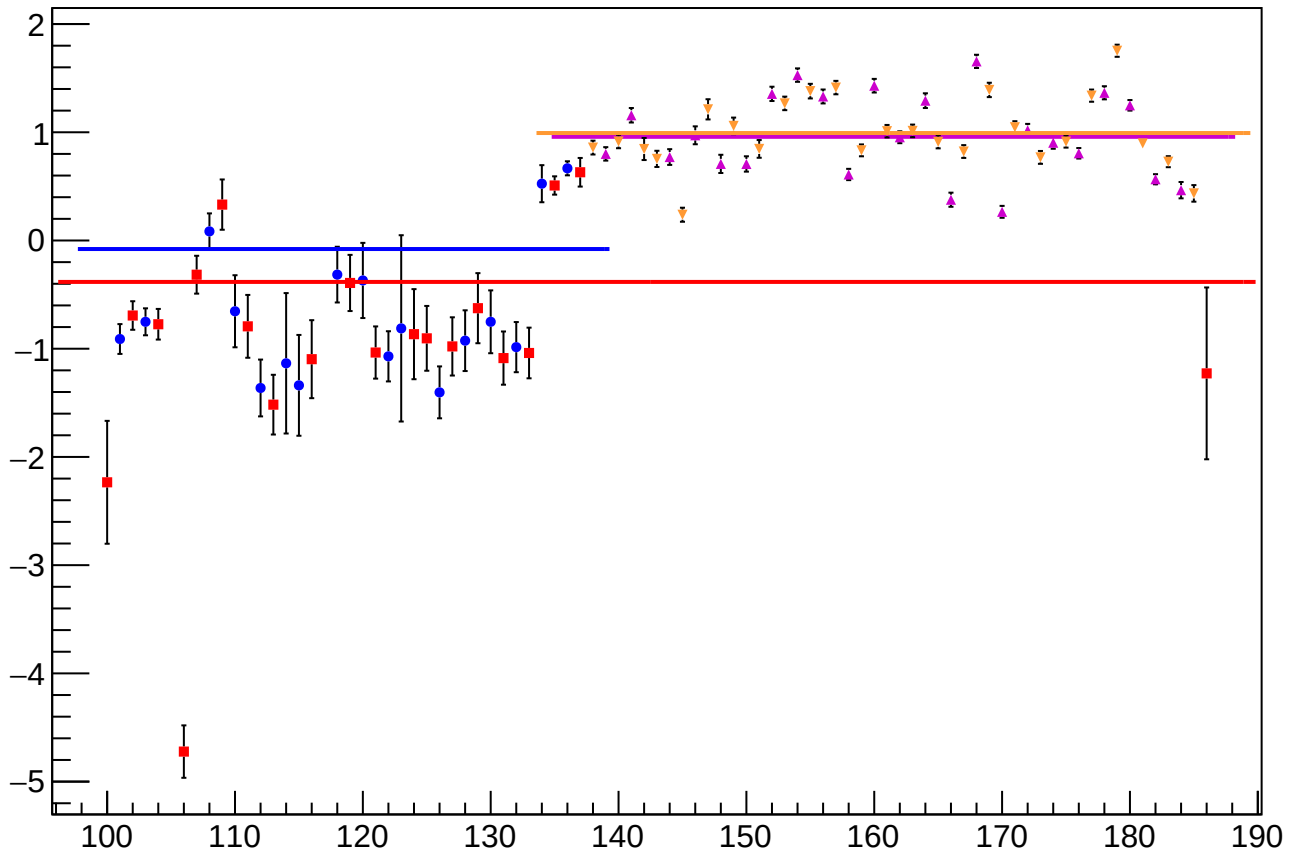
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -109.111 ± 0.257 χ^2/NDF : 1661.5/41

All: -108.928 ± 0.185 χ^2/NDF : 4216.1/84

- sign -108.732 ± 0.266 χ^2/NDF : 2553.6/42

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.6/16

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.383 ± 0.044 χ^2/NDF : 581.3/19

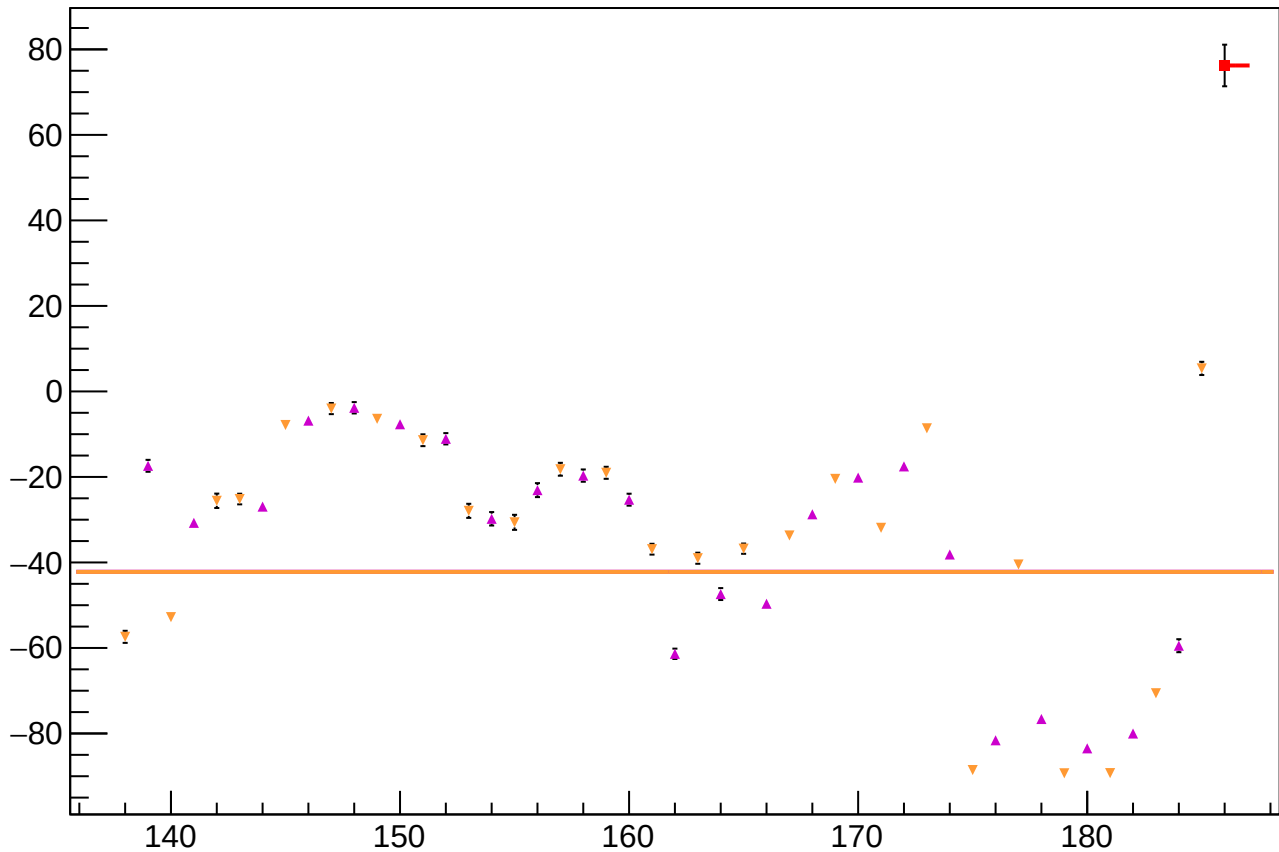
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.908 ± 0.012 χ^2/NDF : 1558.5/41

All: 0.882 ± 0.009 χ^2/NDF : 3902.2/84

- sign 0.855 ± 0.012 χ^2/NDF : 2334.1/42

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -42.213+/-0.222 χ^2/NDF :18309.1/24

Right Out: 76.234+/-4.867 χ^2/NDF : 0.0/0

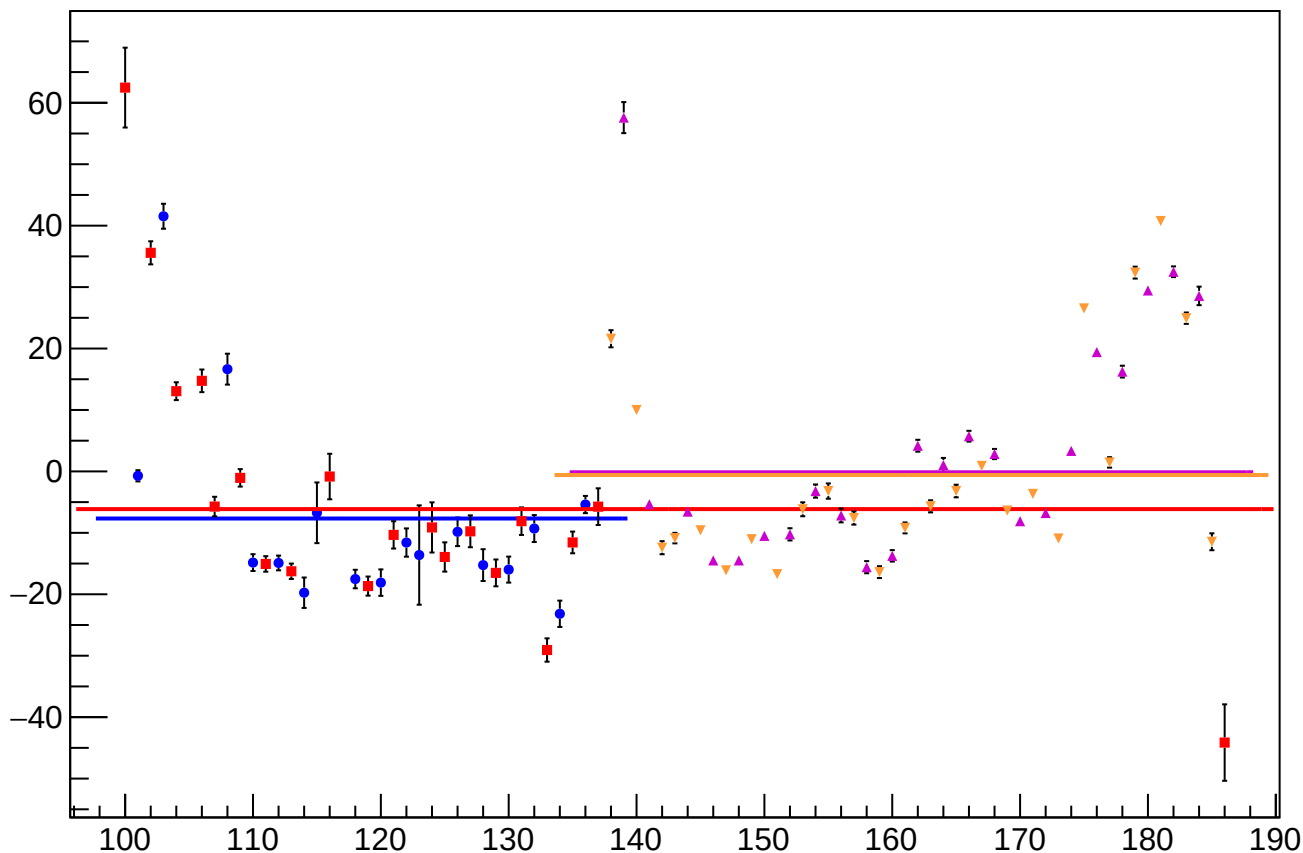
Left In: -42.176+/-0.227 χ^2/NDF :14575.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -42.069+/-0.159 χ^2/NDF : 33476.6/48

- sign -41.919+/-0.227 χ^2/NDF : 15166.6/23

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.668 ± 0.431 χ^2/NDF : 975.9/16

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: -6.135 ± 0.428 χ^2/NDF : 1335.9/19

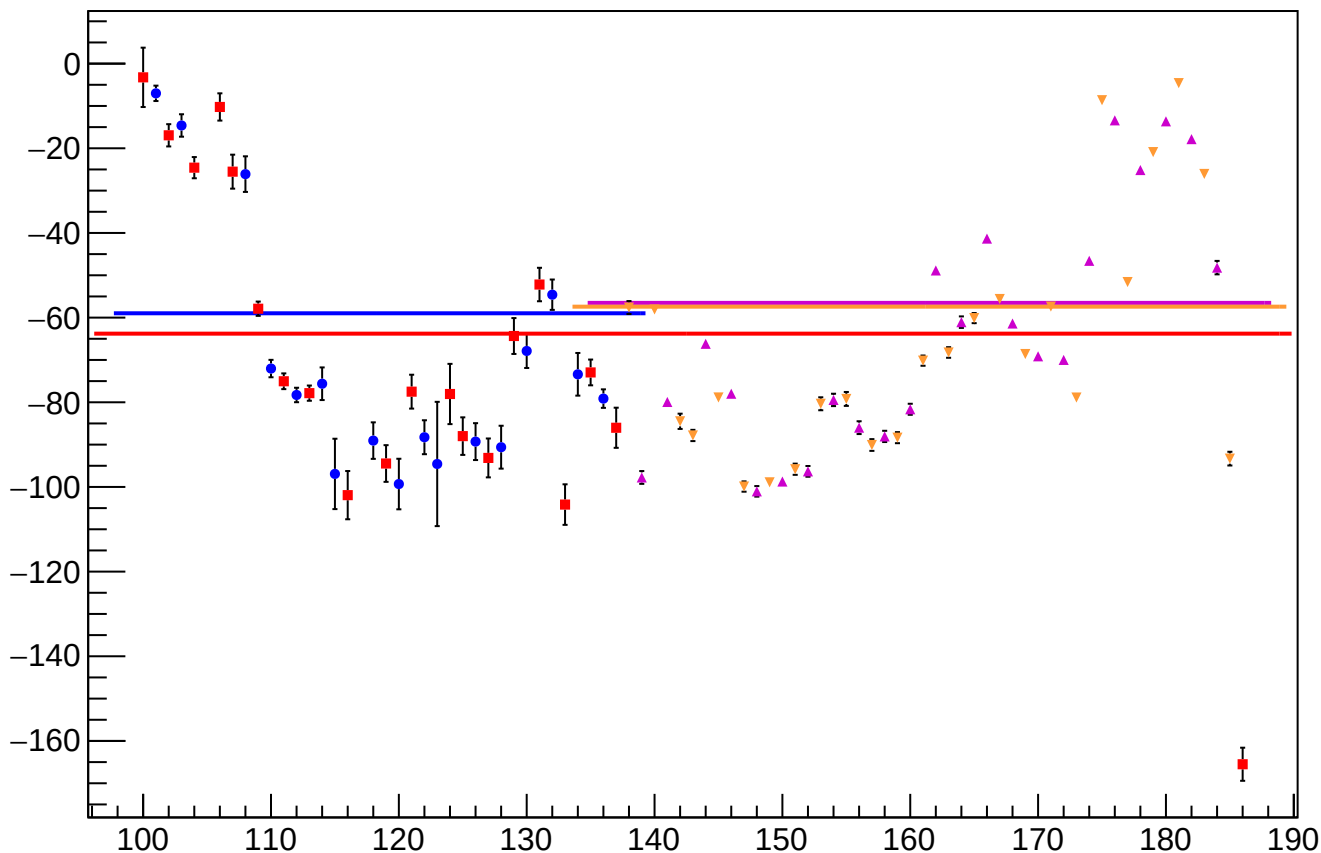
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -1.585 ± 0.162 χ^2/NDF : 9958.9/41

All: -1.316 ± 0.116 χ^2/NDF : 18329.6/84

- sign -1.034 ± 0.165 χ^2/NDF : 8365.0/42

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -58.976 ± 0.747 $\chi^2/\text{NDF}: 1707.7/16$

Left Out: -57.413 ± 0.223 $\chi^2/\text{NDF}: 18604.1/24$

Right Out: -63.788 ± 0.694 $\chi^2/\text{NDF}: 2083.2/19$

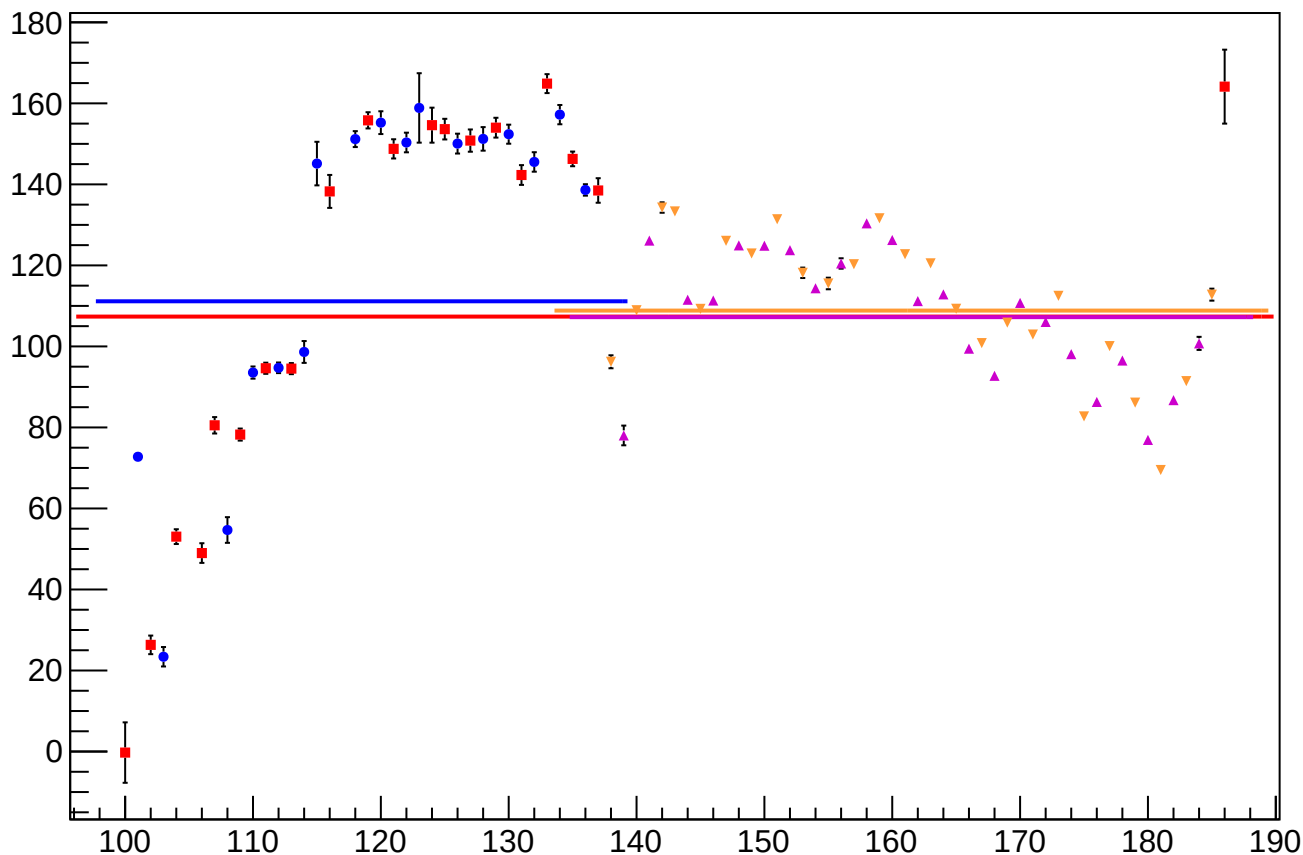
Left In: -56.519 ± 0.227 $\chi^2/\text{NDF}: 16352.6/22$

+ sign -57.541 ± 0.214 $\chi^2/\text{NDF}: 20315.8/41$

All: -57.383 ± 0.152 $\chi^2/\text{NDF}: 38851.8/84$

- sign -57.222 ± 0.216 $\chi^2/\text{NDF}: 18534.9/42$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.139 $\pm$ 0.490 χ^2 /NDF: 5863.6/16

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 107.364 $\pm$ 0.488 χ^2 /NDF: 7081.7/19

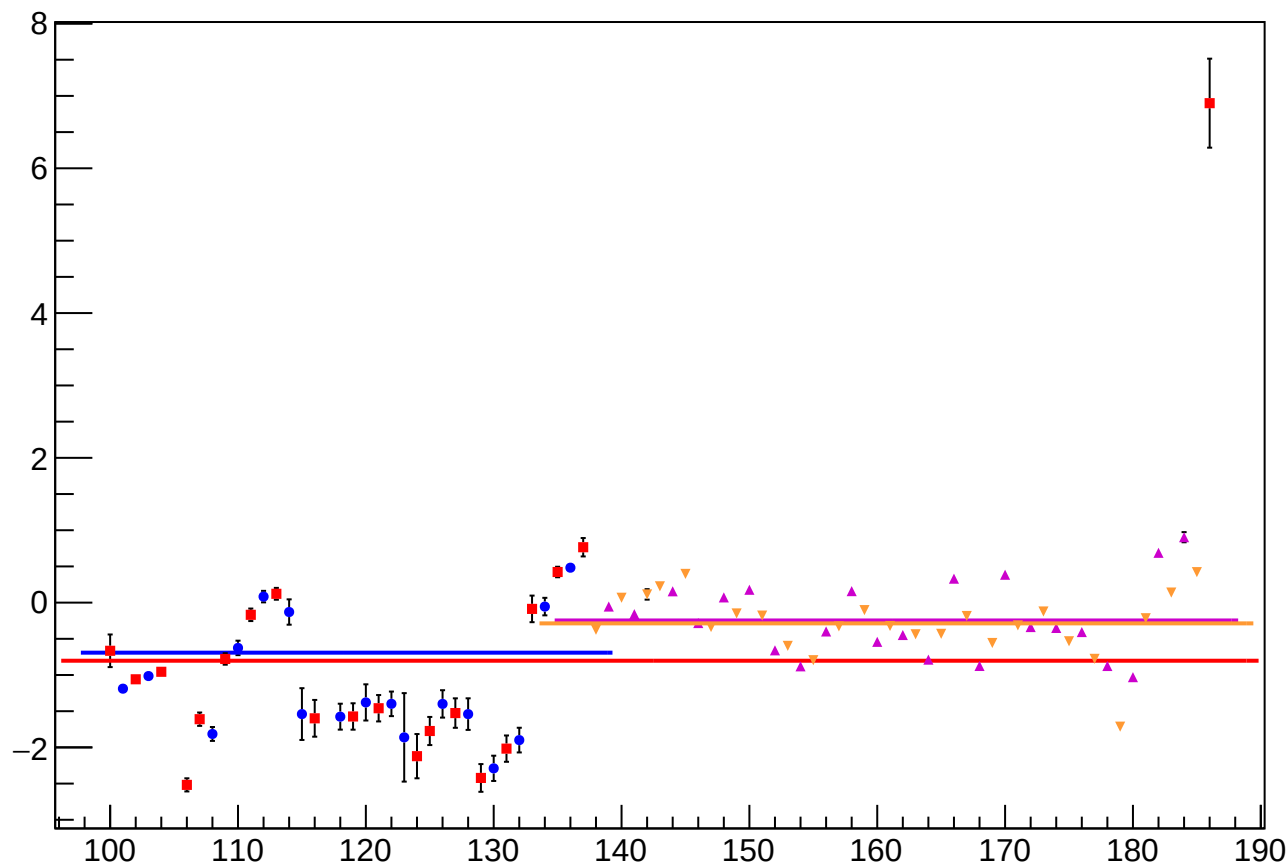
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 109.166 $\pm$ 0.183 χ^2 /NDF: 13282.7/41

All: 108.226 $\pm$ 0.131 χ^2 /NDF: 25983.6/84

- sign 107.245 $\pm$ 0.187 χ^2 /NDF: 12647.1/42

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 988.9/16

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.803 ± 0.024 χ^2/NDF : 1459.8/19

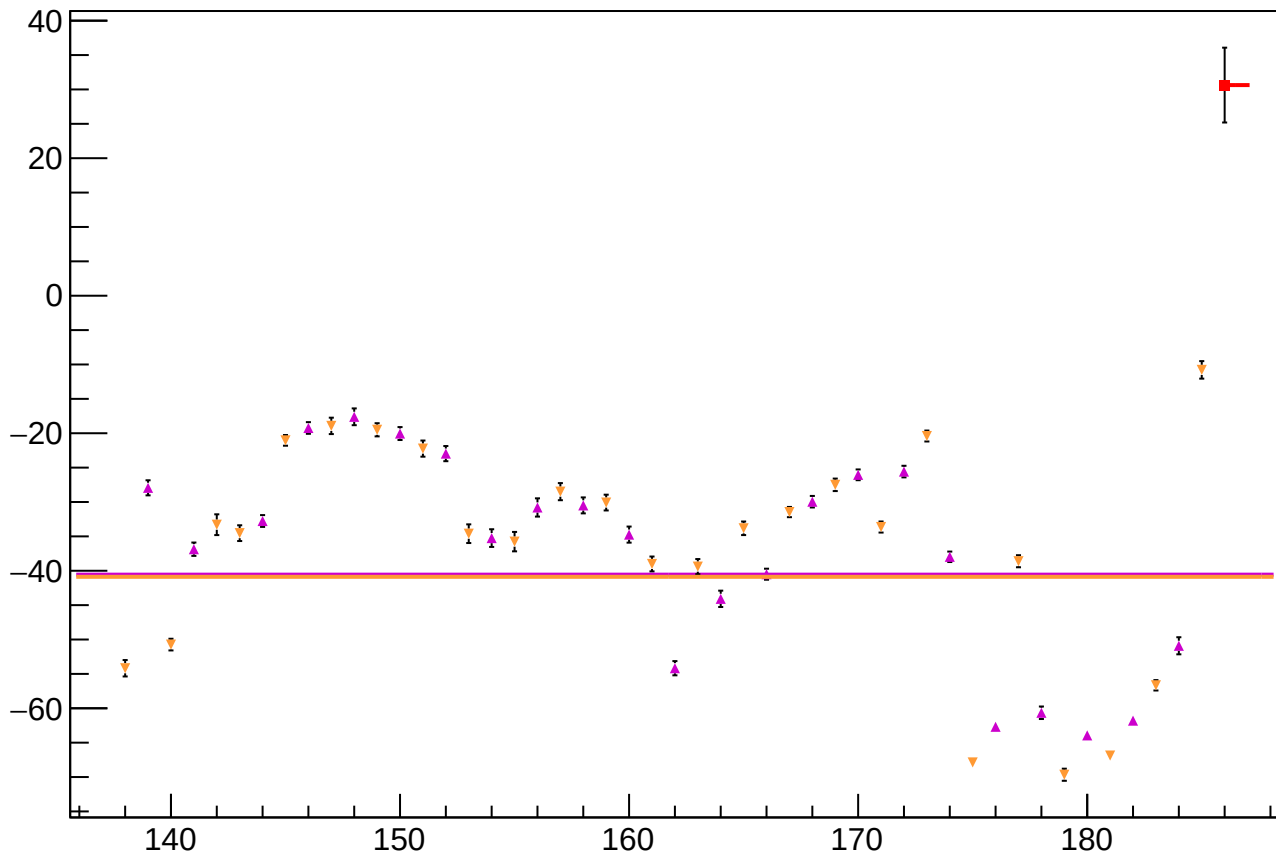
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.331 ± 0.009 χ^2/NDF : 3259.8/41

All: -0.324 ± 0.006 χ^2/NDF : 7969.2/84

- sign -0.317 ± 0.009 χ^2/NDF : 4708.0/42

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: 30.633 ± 5.441 χ^2/NDF : 0.0/0

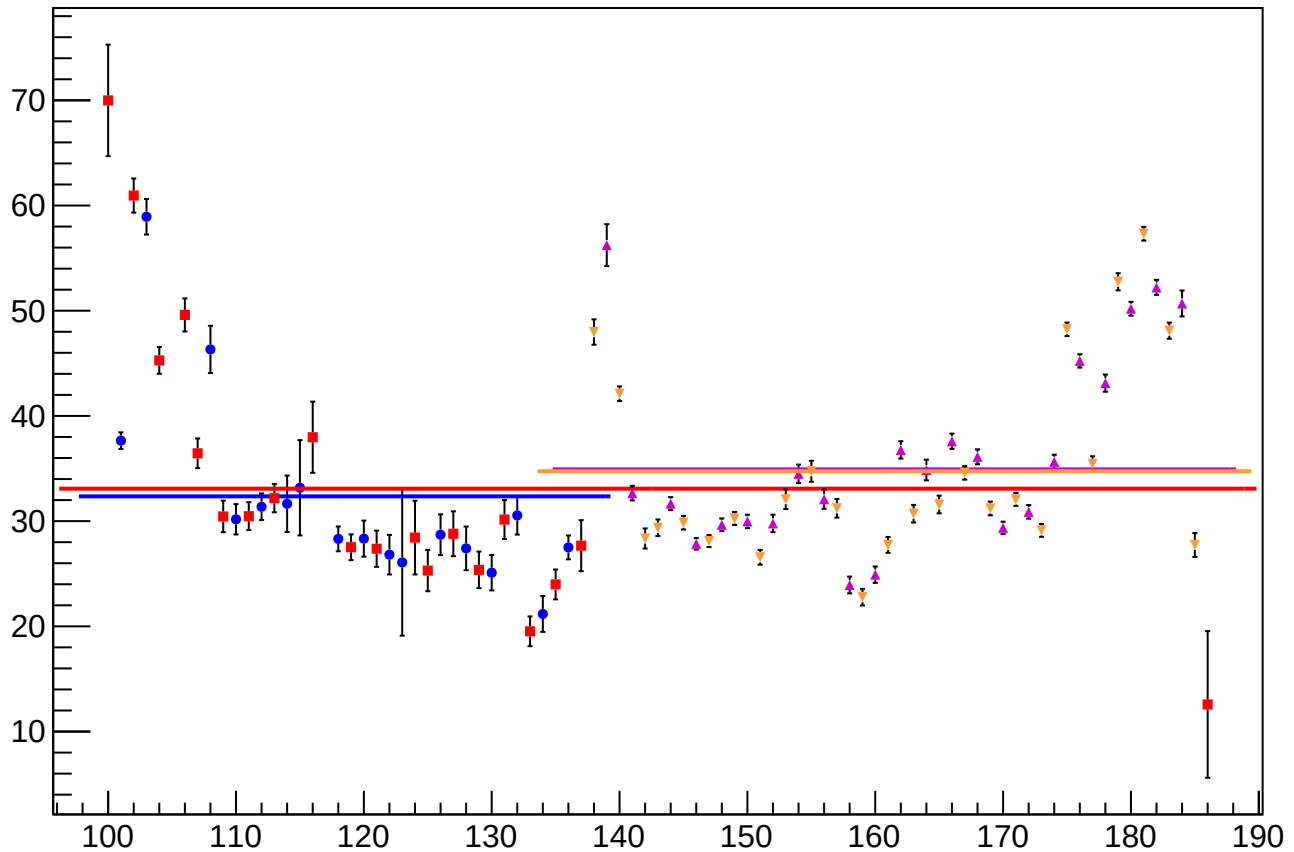
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -40.684 ± 0.133 χ^2/NDF : 16251.3/48

- sign -40.480 ± 0.190 χ^2/NDF : 7125.8/23

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.356 ± 0.376 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 34.741 ± 0.147 $\chi^2/\text{NDF}: 3693.2/24$

Right Out: 33.086 ± 0.379 $\chi^2/\text{NDF}: 782.0/19$

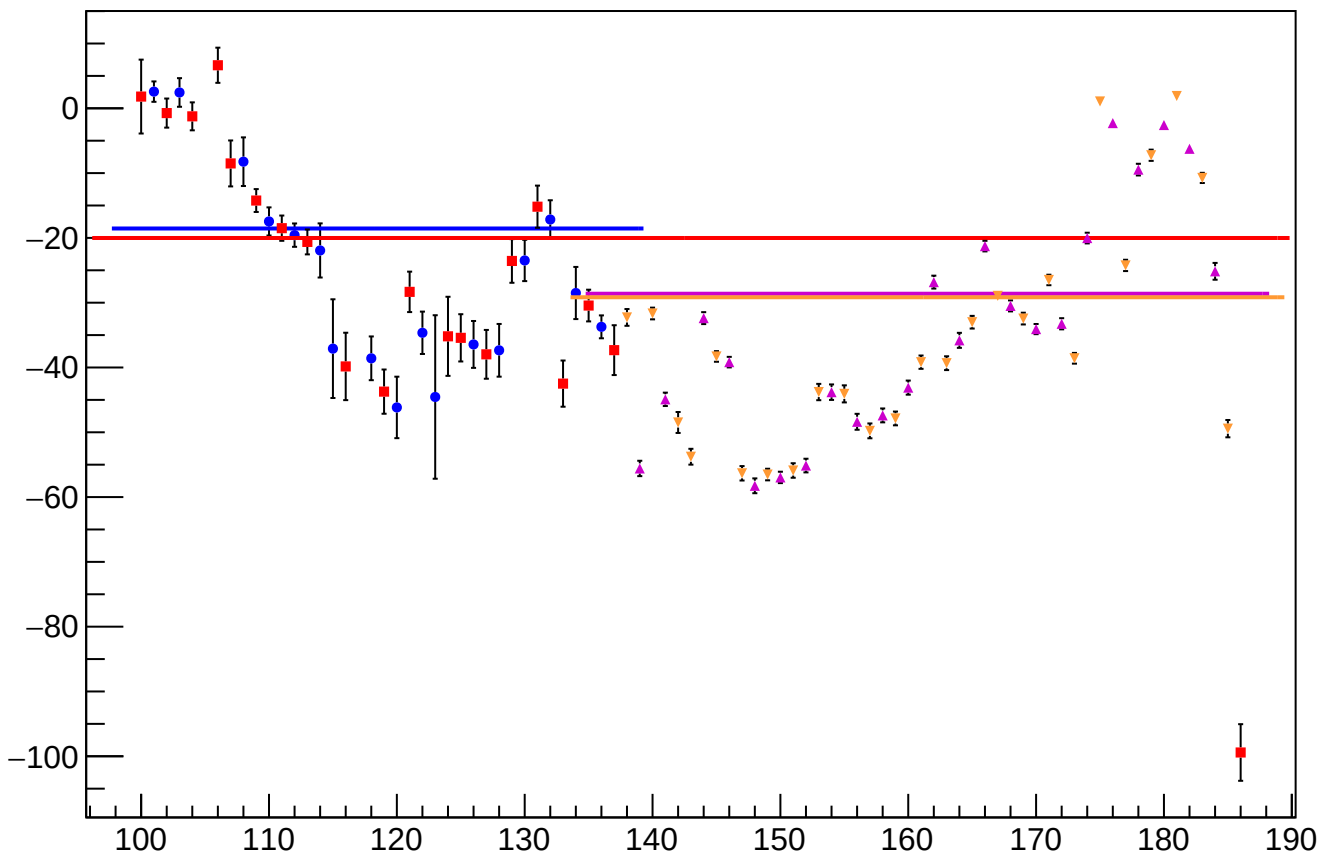
Left In: 34.922 ± 0.152 $\chi^2/\text{NDF}: 2672.9/22$

+ sign 34.423 ± 0.137 $\chi^2/\text{NDF}: 4178.5/41$

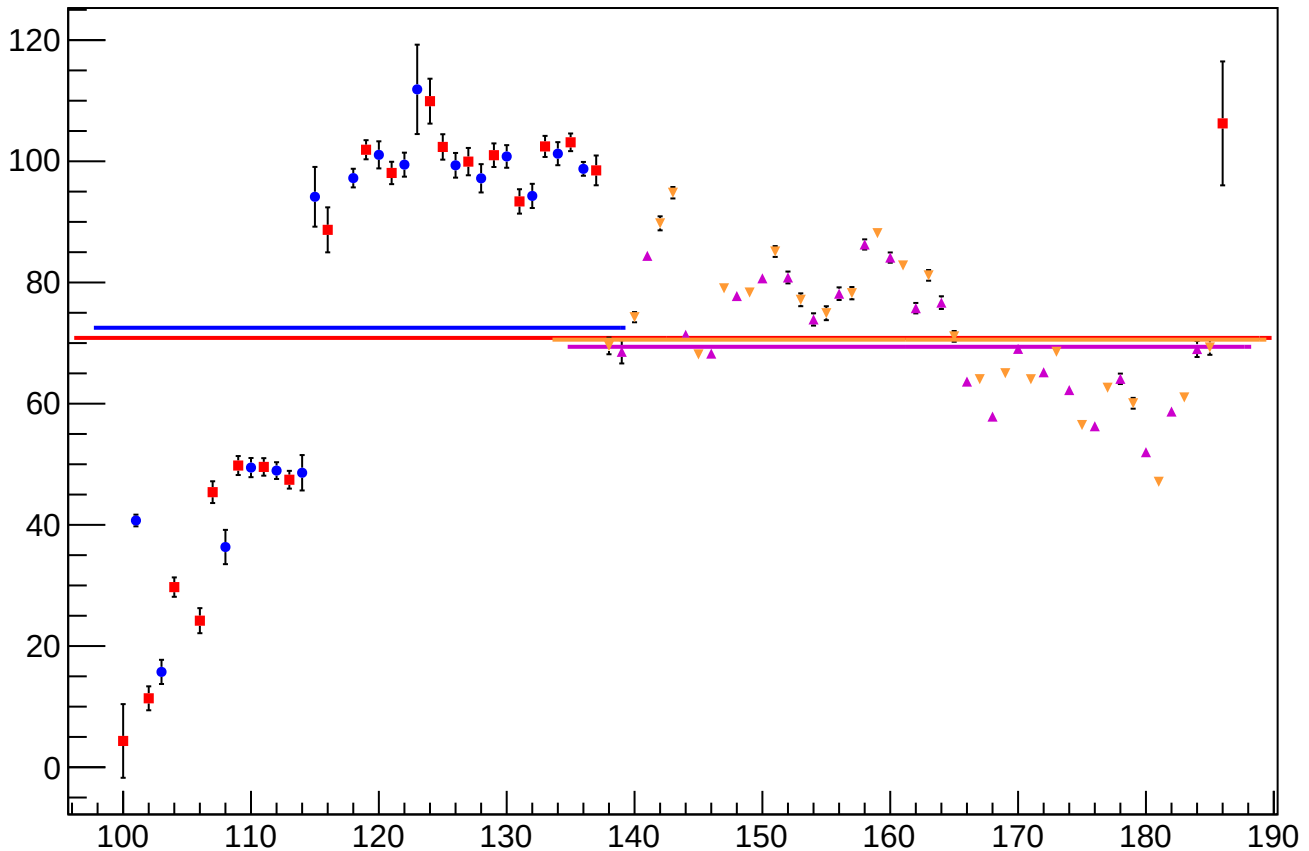
All: 34.543 ± 0.098 $\chi^2/\text{NDF}: 7655.2/84$

- sign 34.669 ± 0.141 $\chi^2/\text{NDF}: 3475.1/42$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.529 $\pm$ 0.429 χ^2 /NDF: 4672.2/16

Left Out: 70.563 $\pm$ 0.166 χ^2 /NDF: 4589.1/24

Right Out: 70.854 $\pm$ 0.433 χ^2 /NDF: 5506.6/19

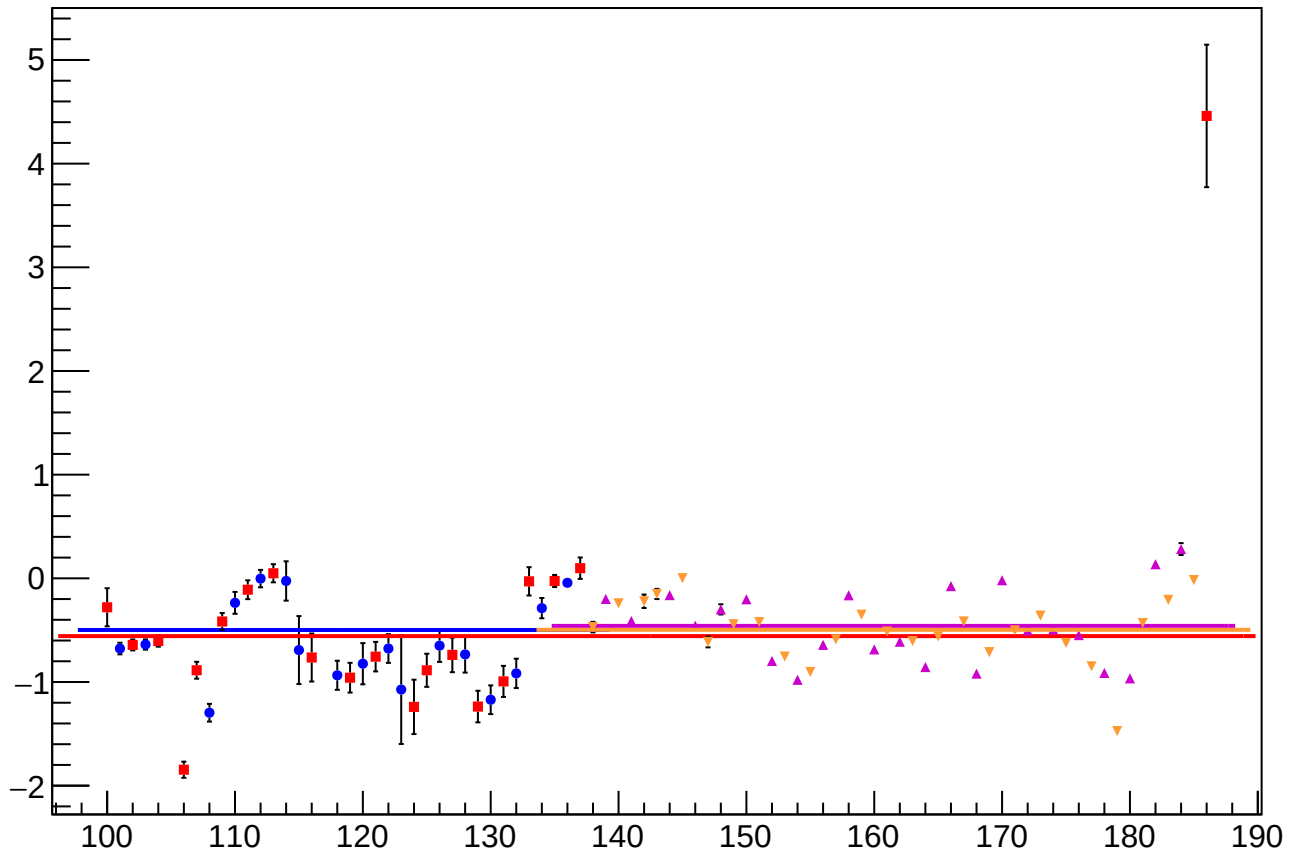
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF: 3321.8/22

+ sign 70.819 $\pm$ 0.155 χ^2 /NDF: 9279.6/41

All: 70.215 $\pm$ 0.111 χ^2 /NDF: 18149.0/84

- sign 69.583 $\pm$ 0.158 χ^2 /NDF: 8838.3/42

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.1/16

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.557 ± 0.021 χ^2/NDF : 613.6/19

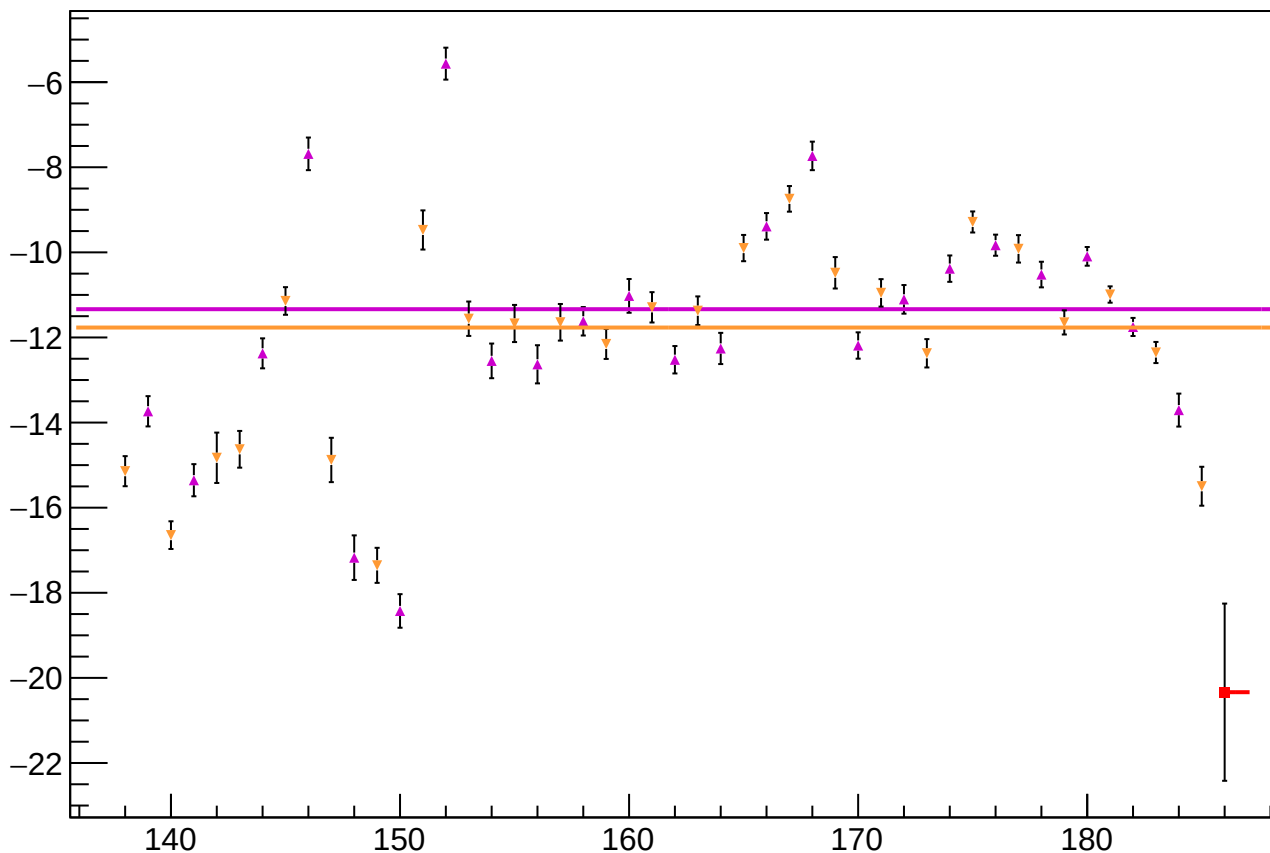
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.497 ± 0.007 χ^2/NDF : 1751.4/41

All: -0.484 ± 0.005 χ^2/NDF : 4349.0/84

- sign -0.470 ± 0.007 χ^2/NDF : 2590.8/42

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24

Right Out: -20.336 ± 2.082 χ^2/NDF : 0.0/0

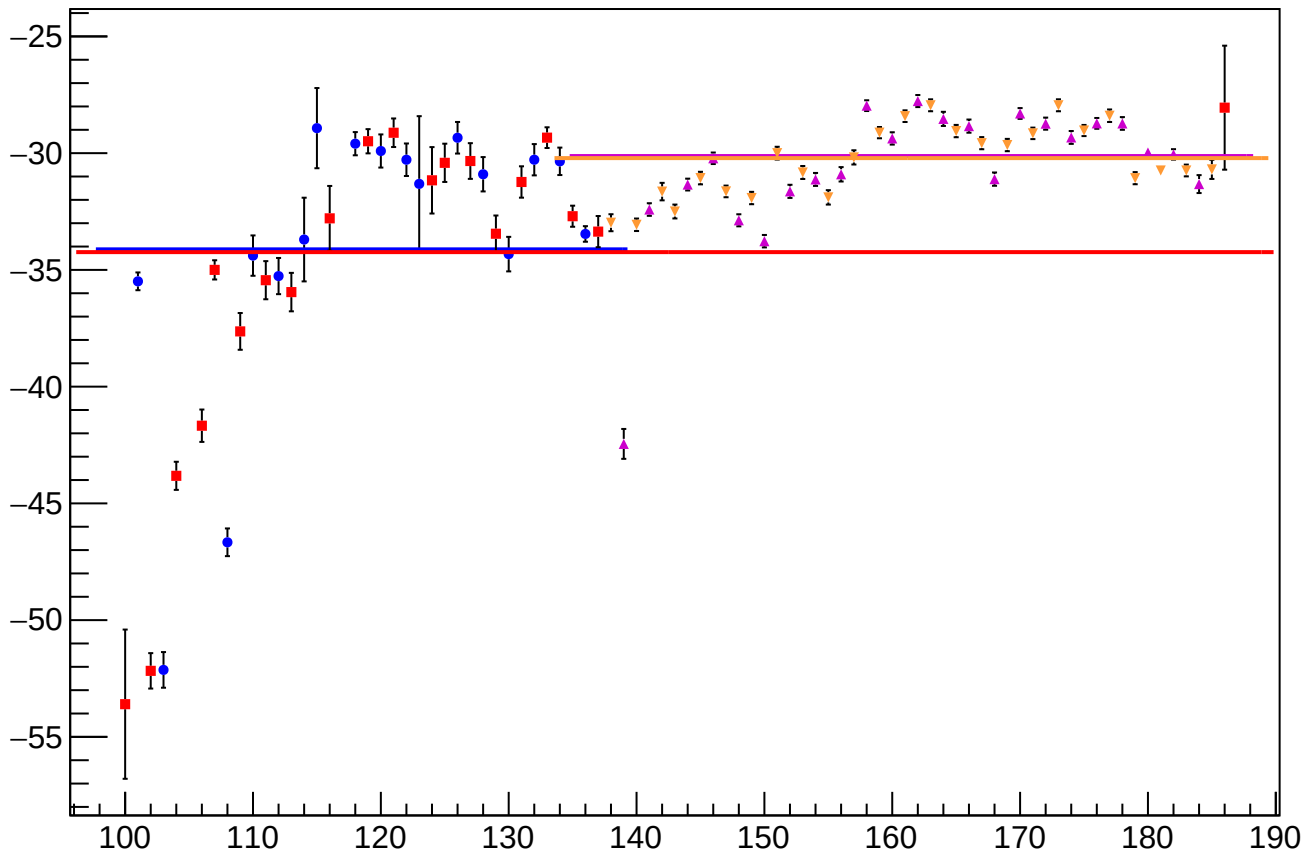
Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -11.560 ± 0.048 χ^2/NDF : 2328.4/48

- sign -11.345 ± 0.068 χ^2/NDF : 1288.0/23

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.120 ± 0.152 χ^2/NDF : 1324.4/16

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -34.238 ± 0.151 χ^2/NDF : 1361.5/19

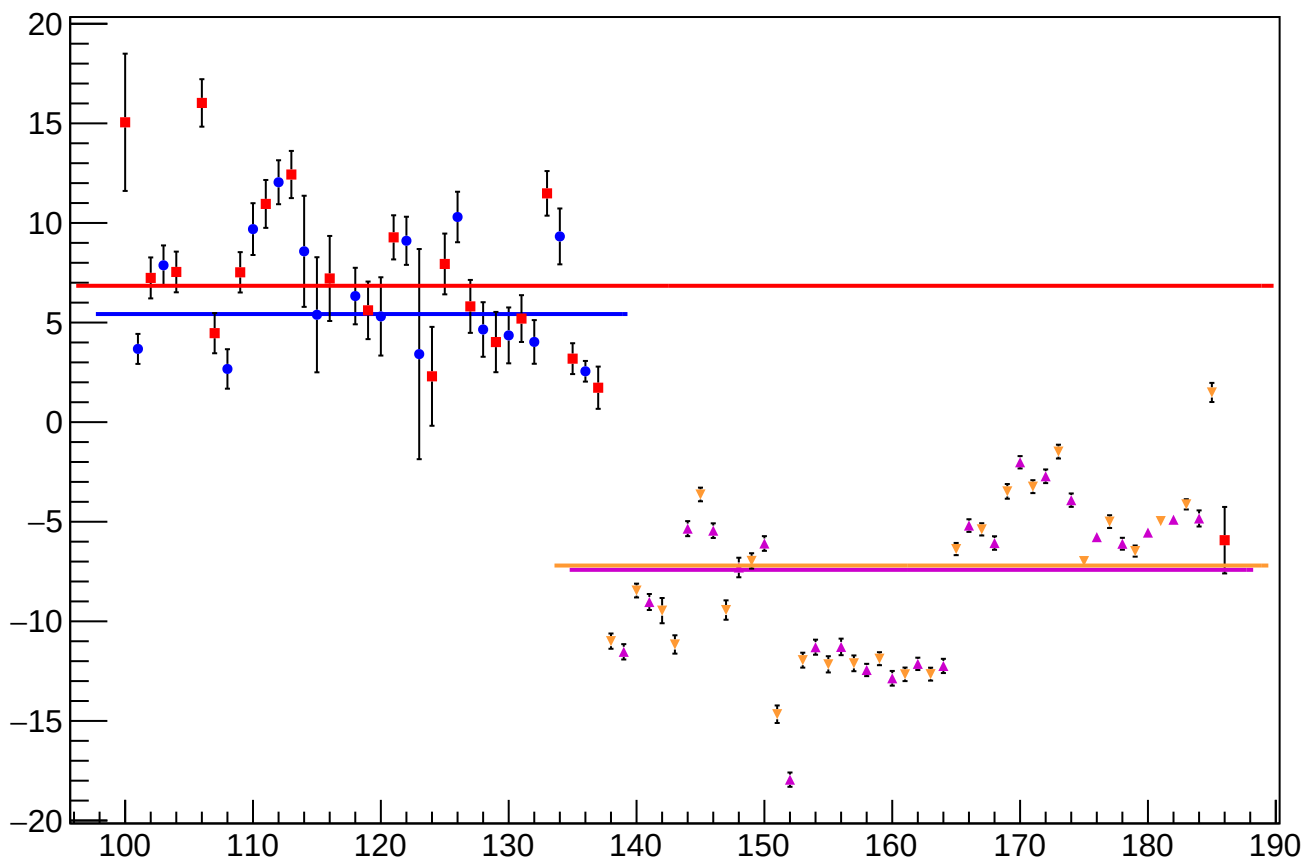
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.648 ± 0.051 χ^2/NDF : 2645.9/41

All: -30.632 ± 0.036 χ^2/NDF : 5889.8/84

- sign -30.615 ± 0.052 χ^2/NDF : 3243.7/42

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.427 ± 0.271 χ^2/NDF : 132.7/16

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: 6.846 ± 0.271 χ^2/NDF : 242.4/19

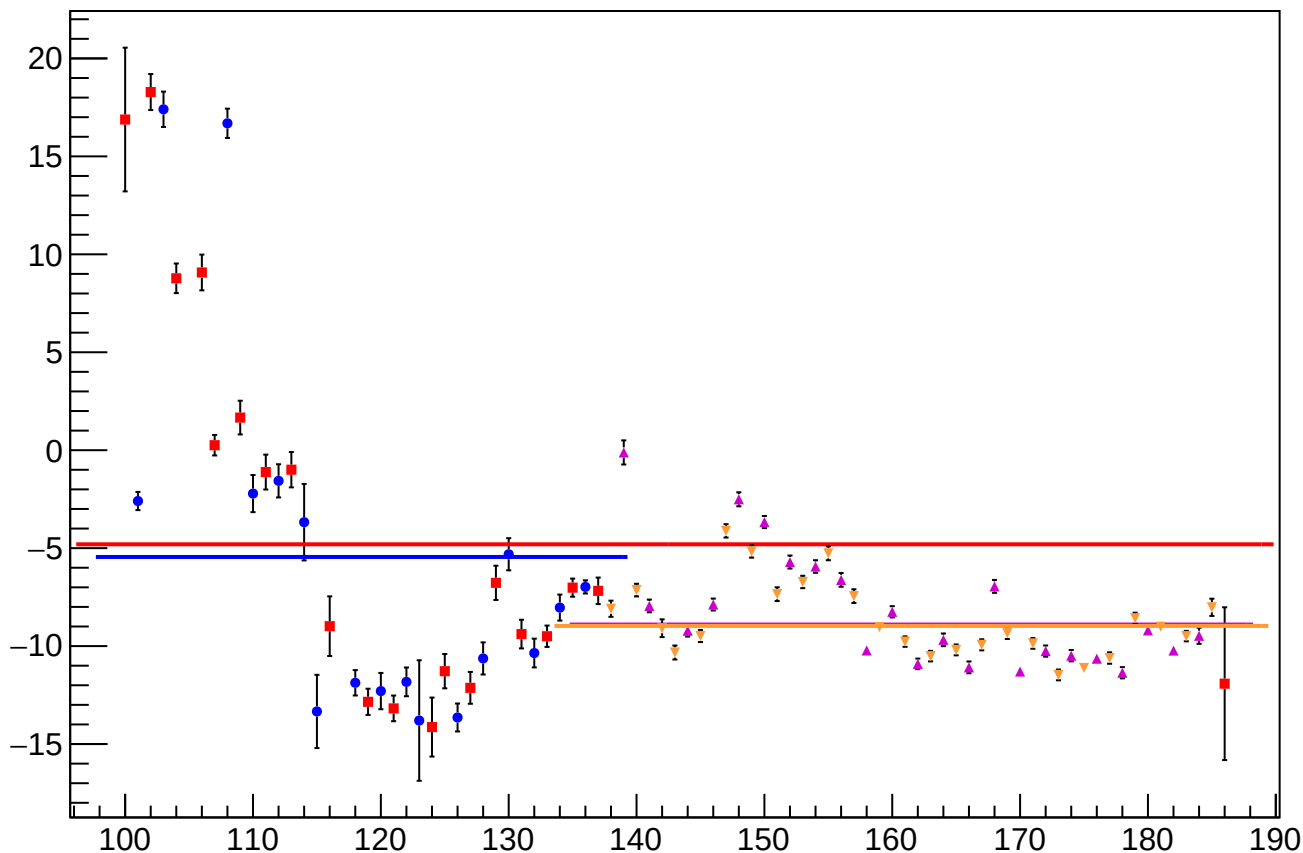
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.473 ± 0.065 χ^2/NDF : 5220.1/41

All: -6.523 ± 0.046 χ^2/NDF : 11189.6/84

- sign -6.574 ± 0.066 χ^2/NDF : 5968.3/42

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.450 ± 0.171 $\chi^2/\text{NDF}: 2097.1/16$

Left Out: -8.970 ± 0.060 $\chi^2/\text{NDF}: 878.8/24$

Right Out: -4.803 ± 0.173 $\chi^2/\text{NDF}: 2050.8/19$

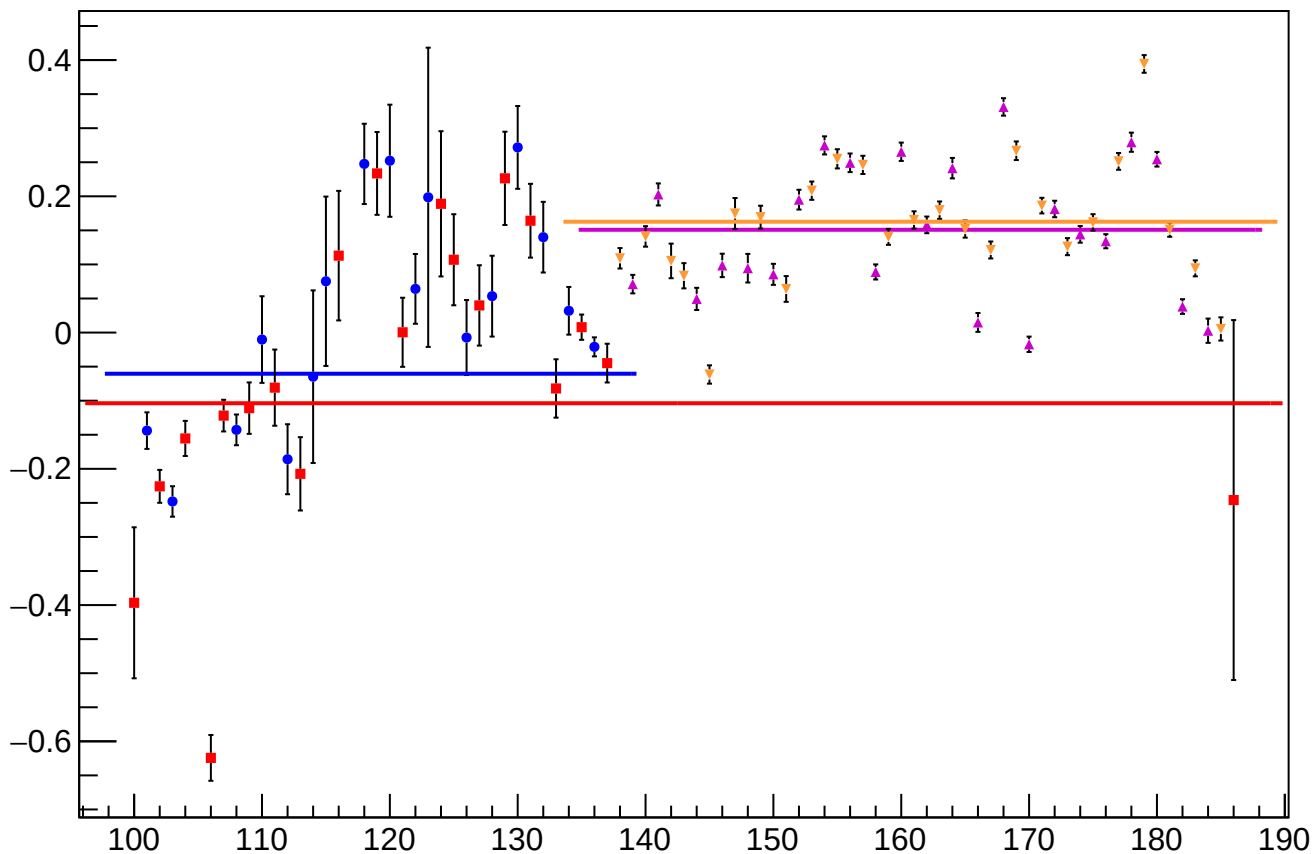
Left In: -8.900 ± 0.062 $\chi^2/\text{NDF}: 1533.9/22$

+ sign -8.582 ± 0.057 $\chi^2/\text{NDF}: 3352.6/41$

All: -8.512 ± 0.041 $\chi^2/\text{NDF}: 7438.2/84$

- sign -8.439 ± 0.058 $\chi^2/\text{NDF}: 4082.5/42$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 χ^2/NDF : 214.5/16

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.104 ± 0.008 χ^2/NDF : 433.4/19

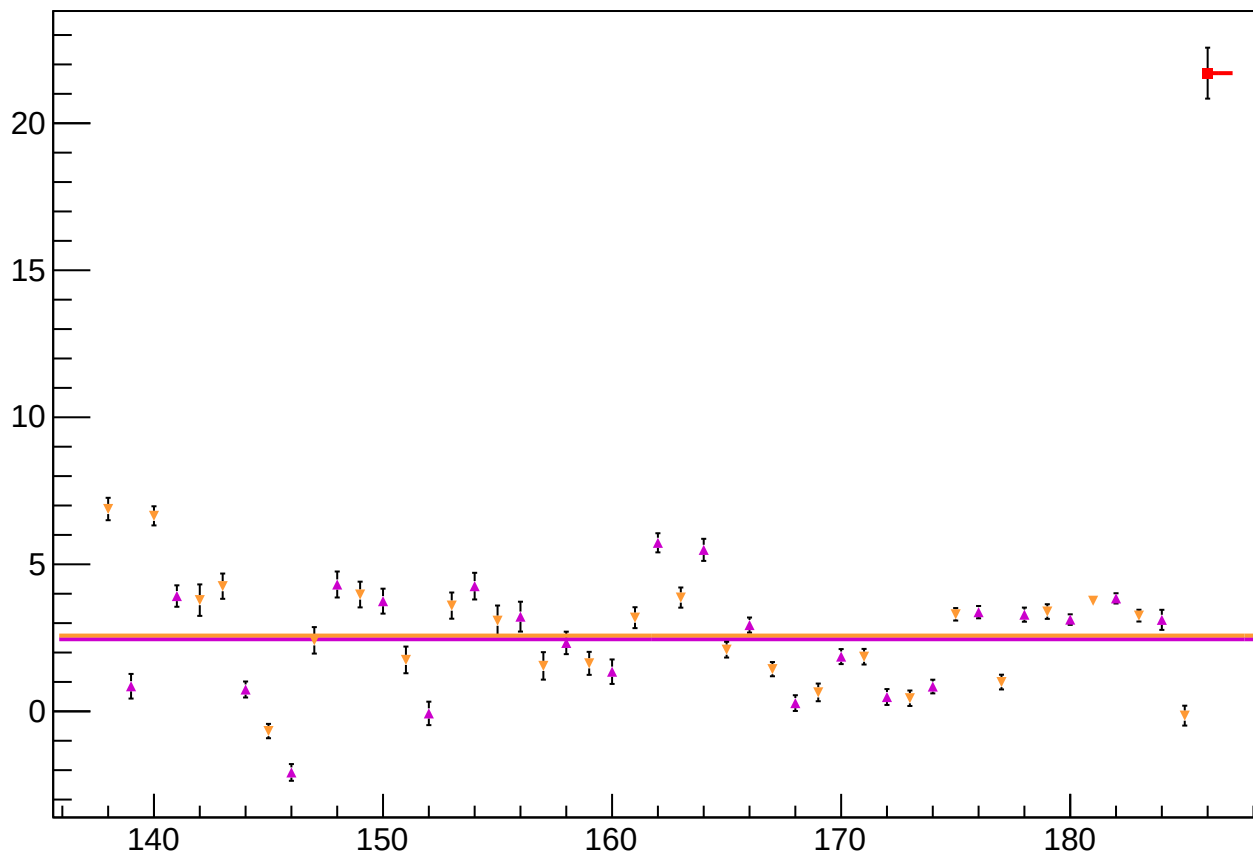
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.141 ± 0.003 χ^2/NDF : 1869.7/41

All: 0.134 ± 0.002 χ^2/NDF : 4428.6/84

- sign 0.126 ± 0.003 χ^2/NDF : 2541.7/42

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 2.577 $\pm$ 0.058 χ^2 /NDF:867.5/24

Right Out: 21.703 $\pm$ 0.867 χ^2 /NDF: 0.0/0

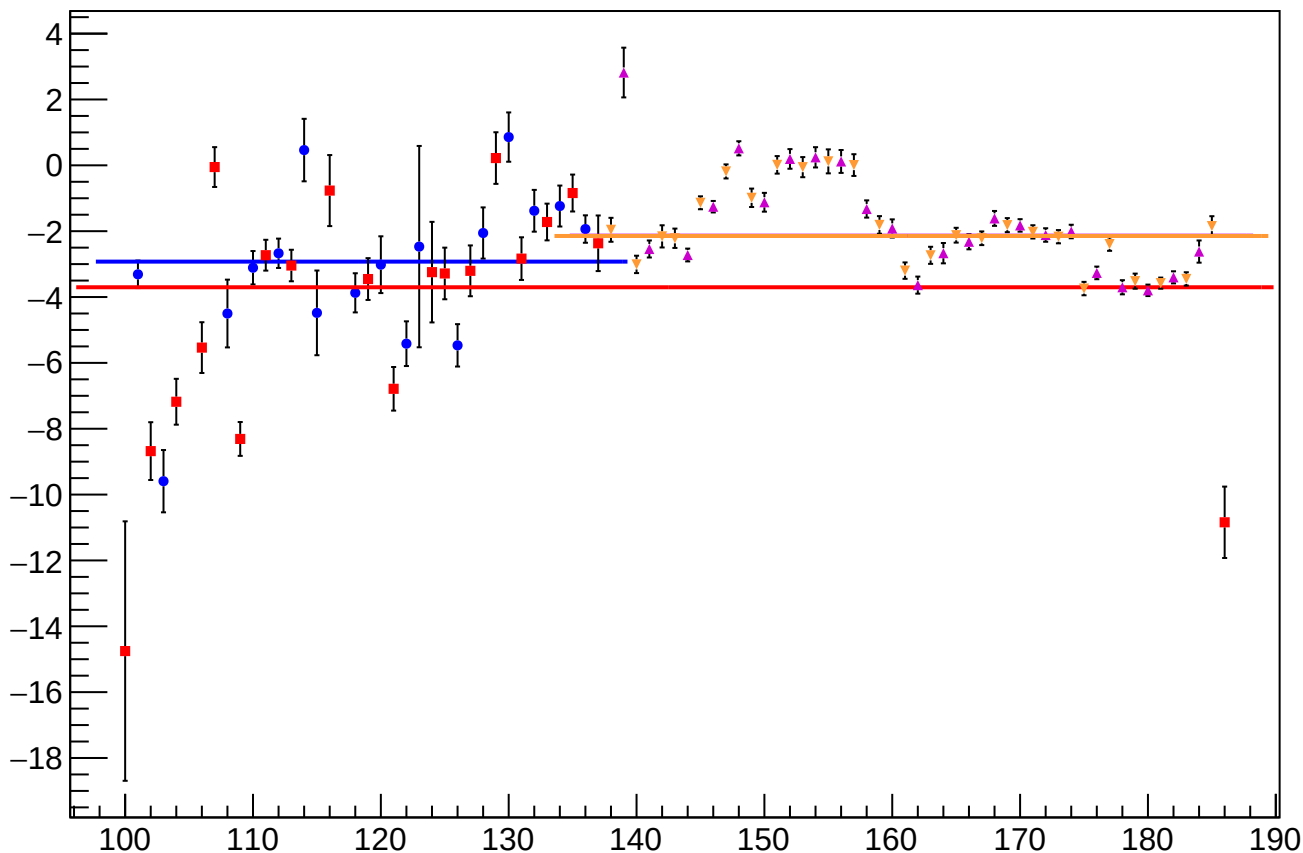
Left In: 2.452 $\pm$ 0.059 χ^2 /NDF:871.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 2.560 $\pm$ 0.042 χ^2 /NDF: 2230.2/48

- sign 2.542 $\pm$ 0.059 χ^2 /NDF: 1362.5/23

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.925 ± 0.155 χ^2/NDF : 144.9/16

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -3.703 ± 0.153 χ^2/NDF : 335.1/19

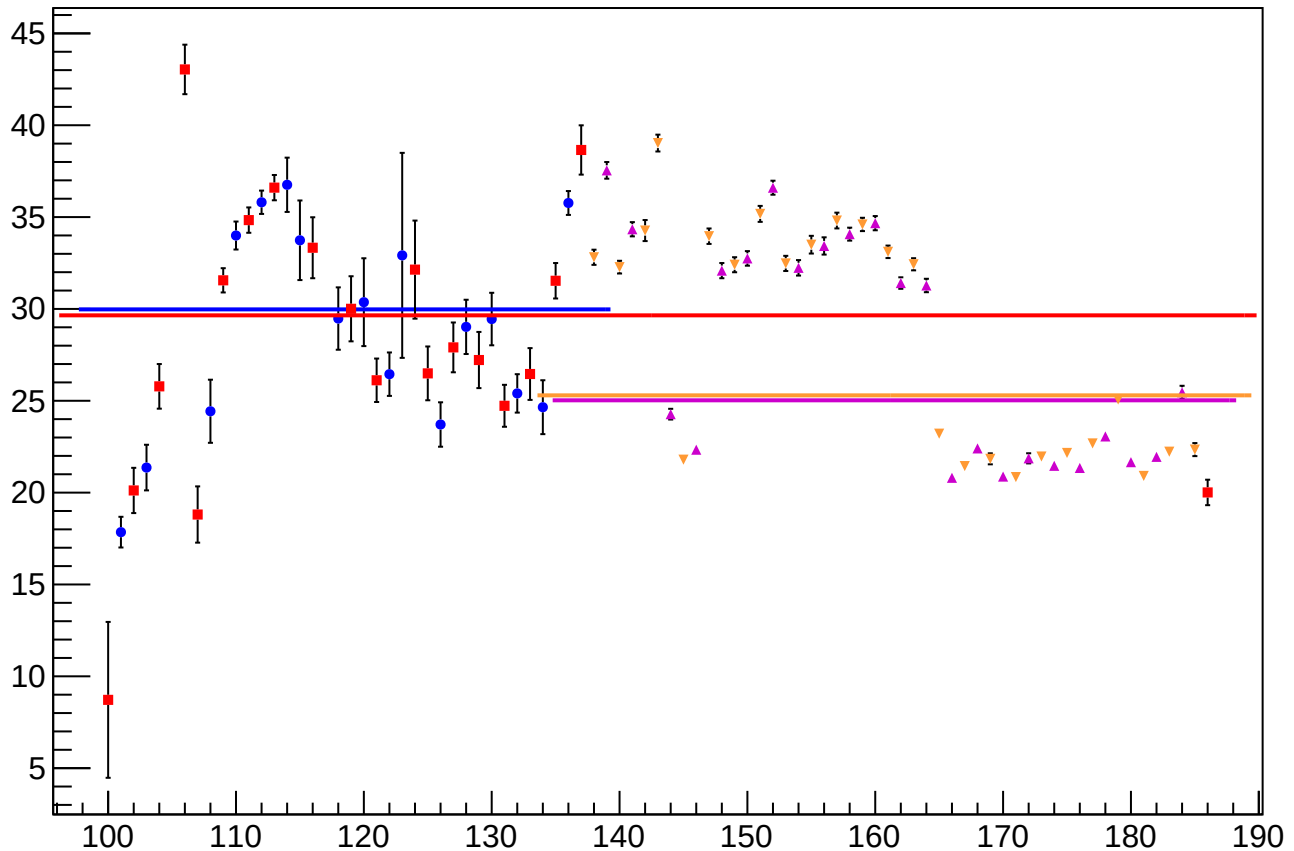
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.213 ± 0.046 χ^2/NDF : 741.3/41

All: -2.245 ± 0.032 χ^2/NDF : 1863.7/84

- sign -2.278 ± 0.046 χ^2/NDF : 1121.3/42

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.976 $\pm$ 0.268 χ^2 /NDF: 554.0/16

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 29.651 $\pm$ 0.244 χ^2 /NDF: 699.2/19

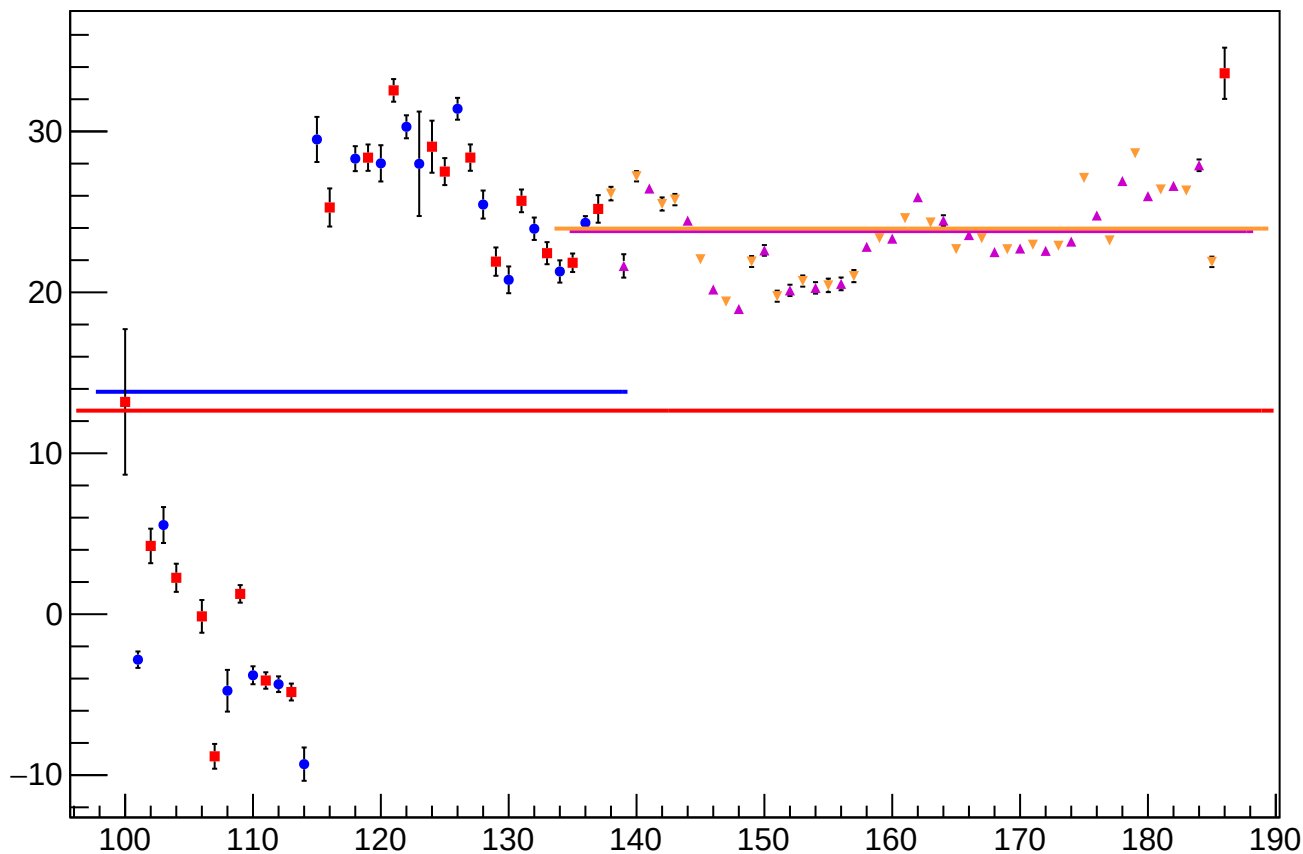
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.511 $\pm$ 0.057 χ^2 /NDF: 9117.7/41

All: 25.399 $\pm$ 0.041 χ^2 /NDF: 17774.7/84

- sign 25.286 $\pm$ 0.058 χ^2 /NDF: 8649.4/42

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.822 $\pm$ 0.173 χ^2 /NDF: 7274.7/16

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.650 $\pm$ 0.173 χ^2 /NDF: 7128.4/19

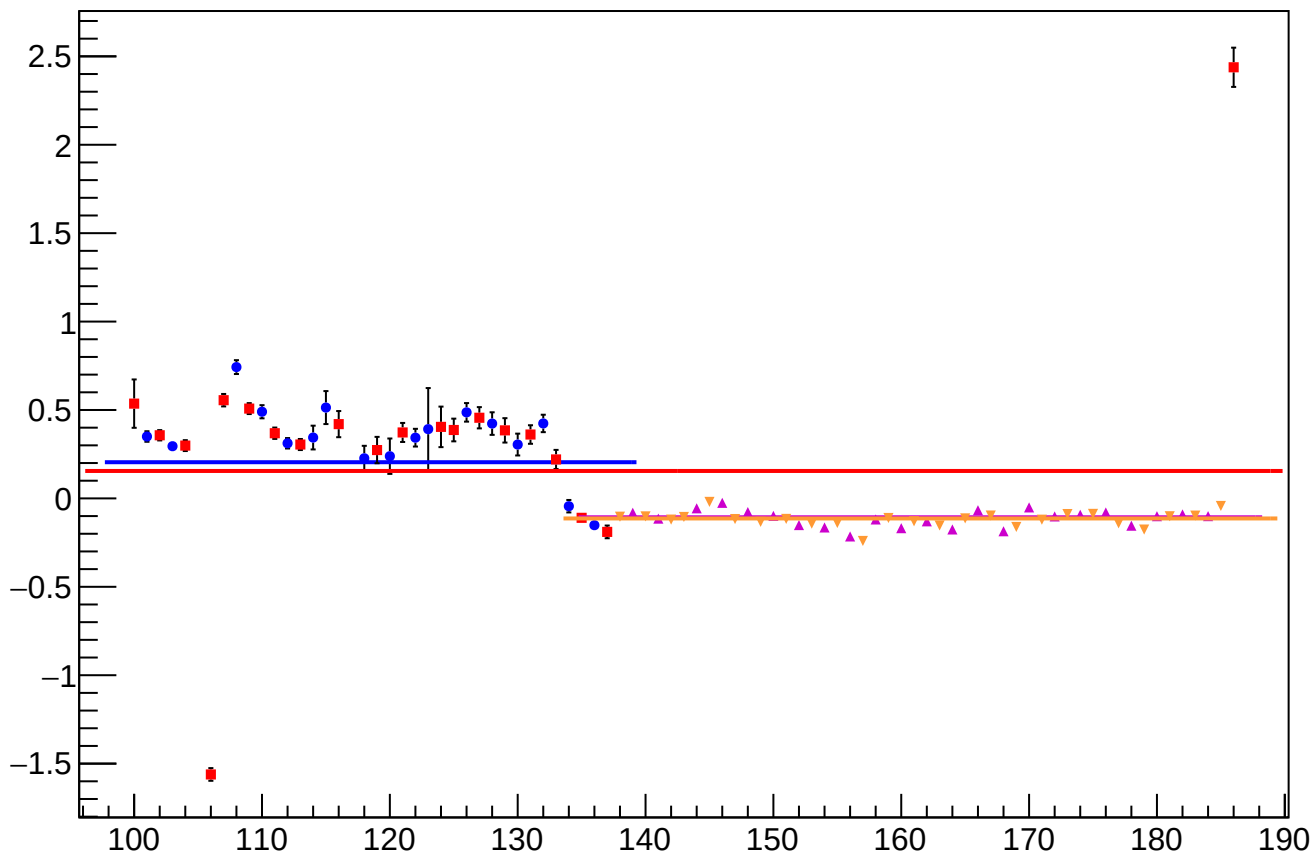
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.087 $\pm$ 0.051 χ^2 /NDF: 12335.6/41

All: 22.952 $\pm$ 0.036 χ^2 /NDF: 25029.5/84

- sign 22.813 $\pm$ 0.052 χ^2 /NDF: 12679.6/42

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.009 χ^2 /NDF: 846.4/16

Left Out: -0.113 $\pm$ 0.002 χ^2 /NDF: 291.0/24

Right Out: 0.155 $\pm$ 0.009 χ^2 /NDF: 3440.0/19

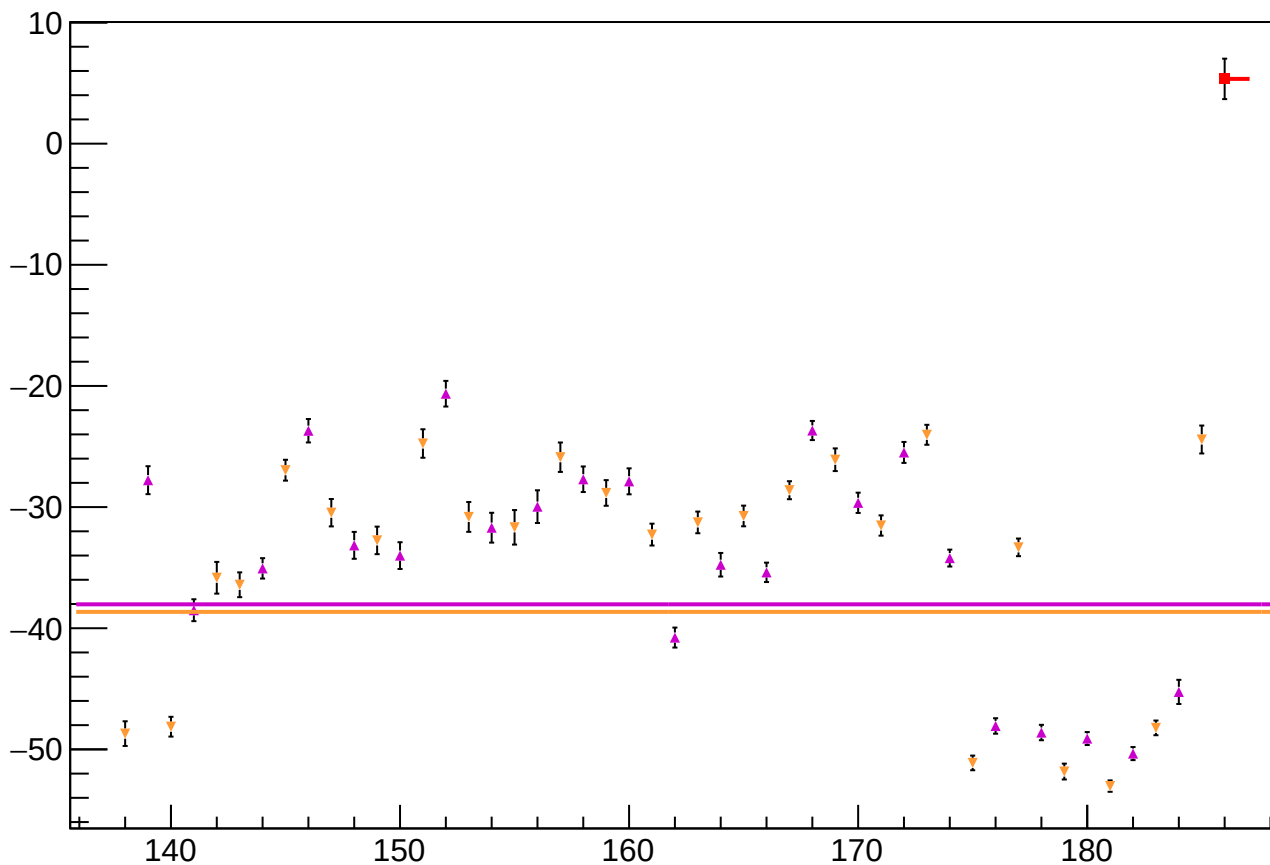
Left In: -0.107 $\pm$ 0.002 χ^2 /NDF: 321.8/22

+ sign -0.094 $\pm$ 0.002 χ^2 /NDF: 2214.4/41

All: -0.091 $\pm$ 0.002 χ^2 /NDF: 6736.0/84

- sign -0.089 $\pm$ 0.002 χ^2 /NDF: 4519.8/42

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -38.650 $\pm$ 0.169 χ^2 /NDF: 4077.2/24

Right Out: 5.346 $\pm$ 1.669 χ^2 /NDF: 0.0/0

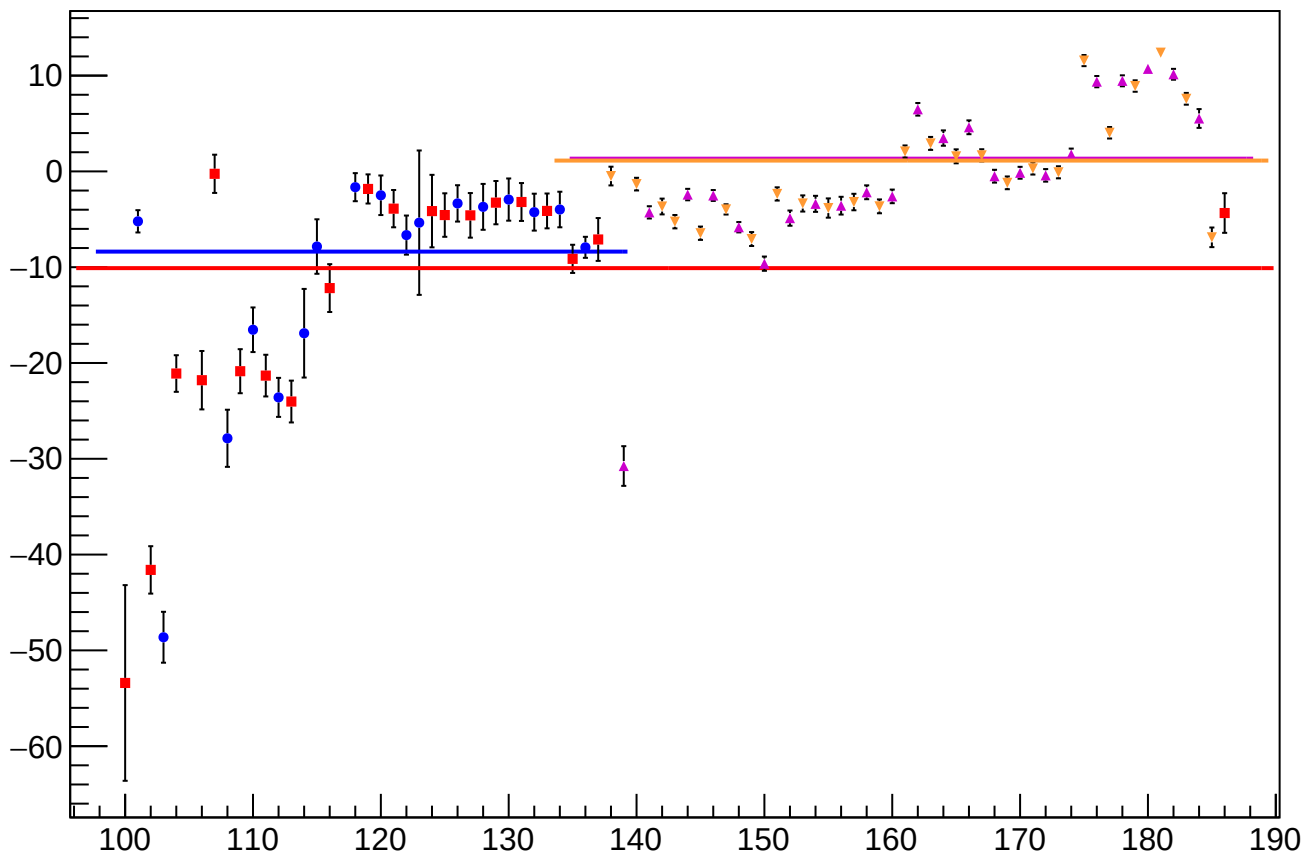
Left In: -38.027 $\pm$ 0.173 χ^2 /NDF: 3091.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -38.118 $\pm$ 0.121 χ^2 /NDF: 7857.4/48

- sign -37.565 $\pm$ 0.172 χ^2 /NDF: 3760.0/23

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.373 ± 0.467 χ^2/NDF : 408.5/16

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -10.098 ± 0.478 χ^2/NDF : 438.0/19

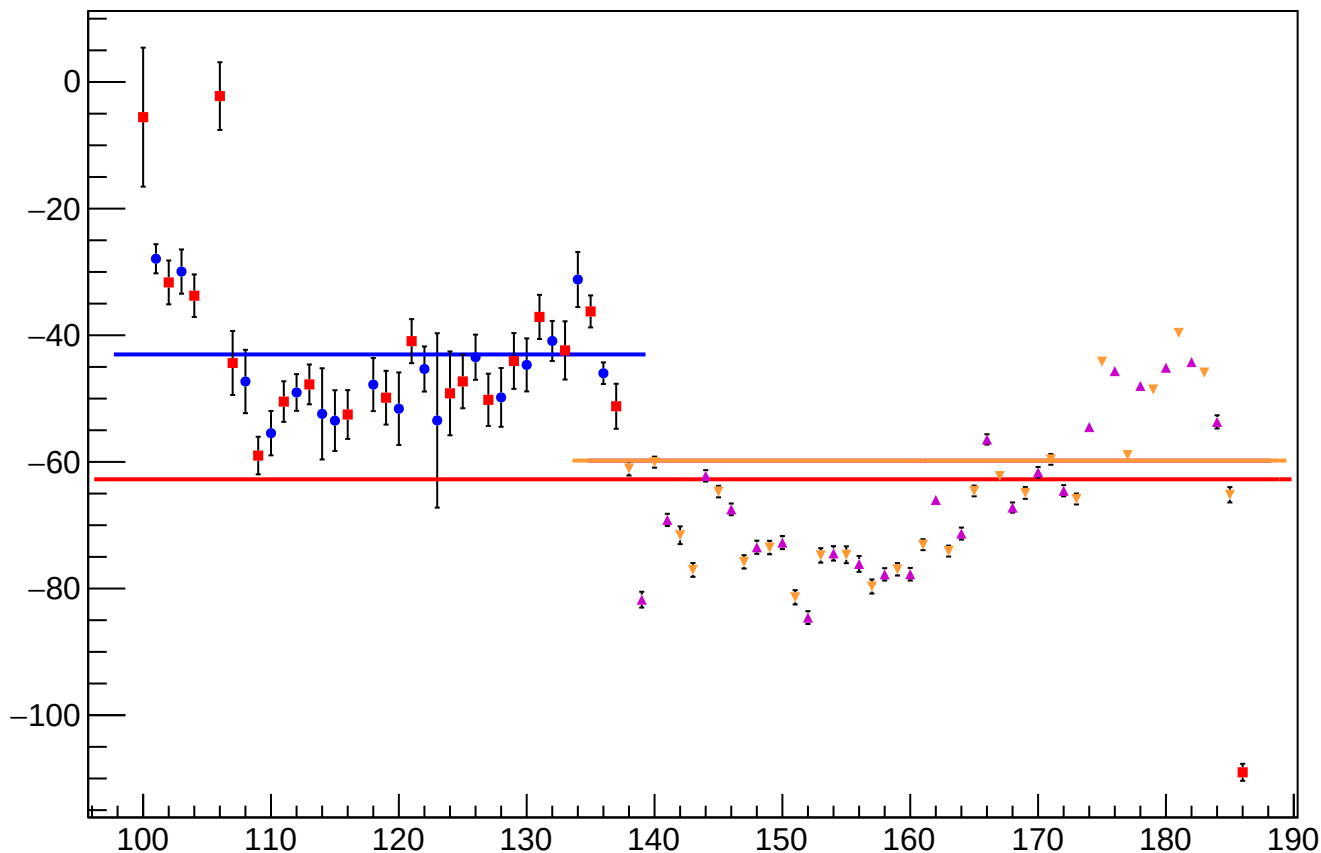
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.386 ± 0.131 χ^2/NDF : 2590.2/41

All: 0.407 ± 0.094 χ^2/NDF : 5602.0/84

- sign 0.430 ± 0.134 χ^2/NDF : 3011.8/42

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.028 ± 0.838 $\chi^2/\text{NDF}: 98.9/16$

Left Out: -59.789 ± 0.170 $\chi^2/\text{NDF}: 5837.7/24$

Right Out: -62.747 ± 0.729 $\chi^2/\text{NDF}: 1852.3/19$

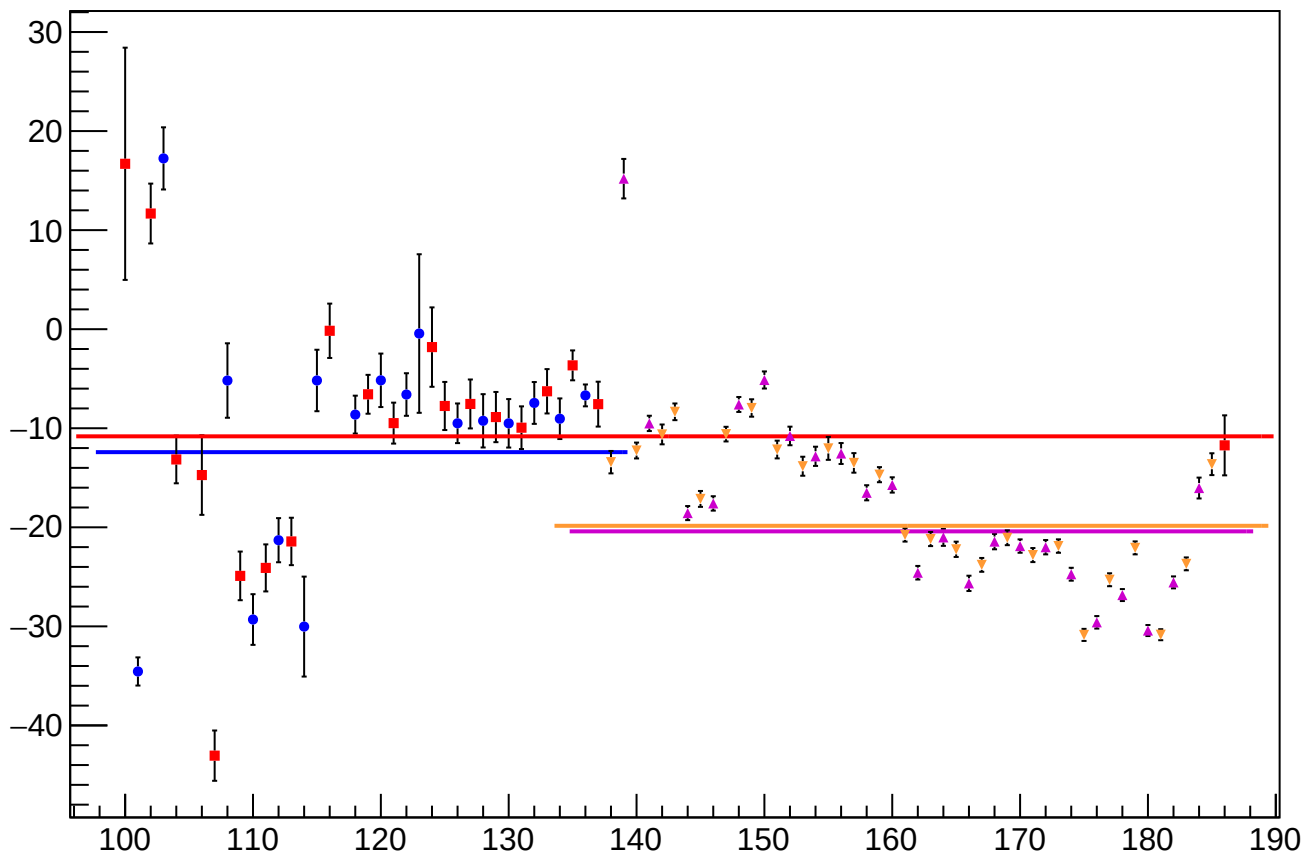
Left In: -59.802 ± 0.173 $\chi^2/\text{NDF}: 5217.5/22$

+ sign -59.126 ± 0.167 $\chi^2/\text{NDF}: 6320.4/41$

All: -59.538 ± 0.119 $\chi^2/\text{NDF}: 13418.1/84$

- sign -59.960 ± 0.169 $\chi^2/\text{NDF}: 7085.3/42$

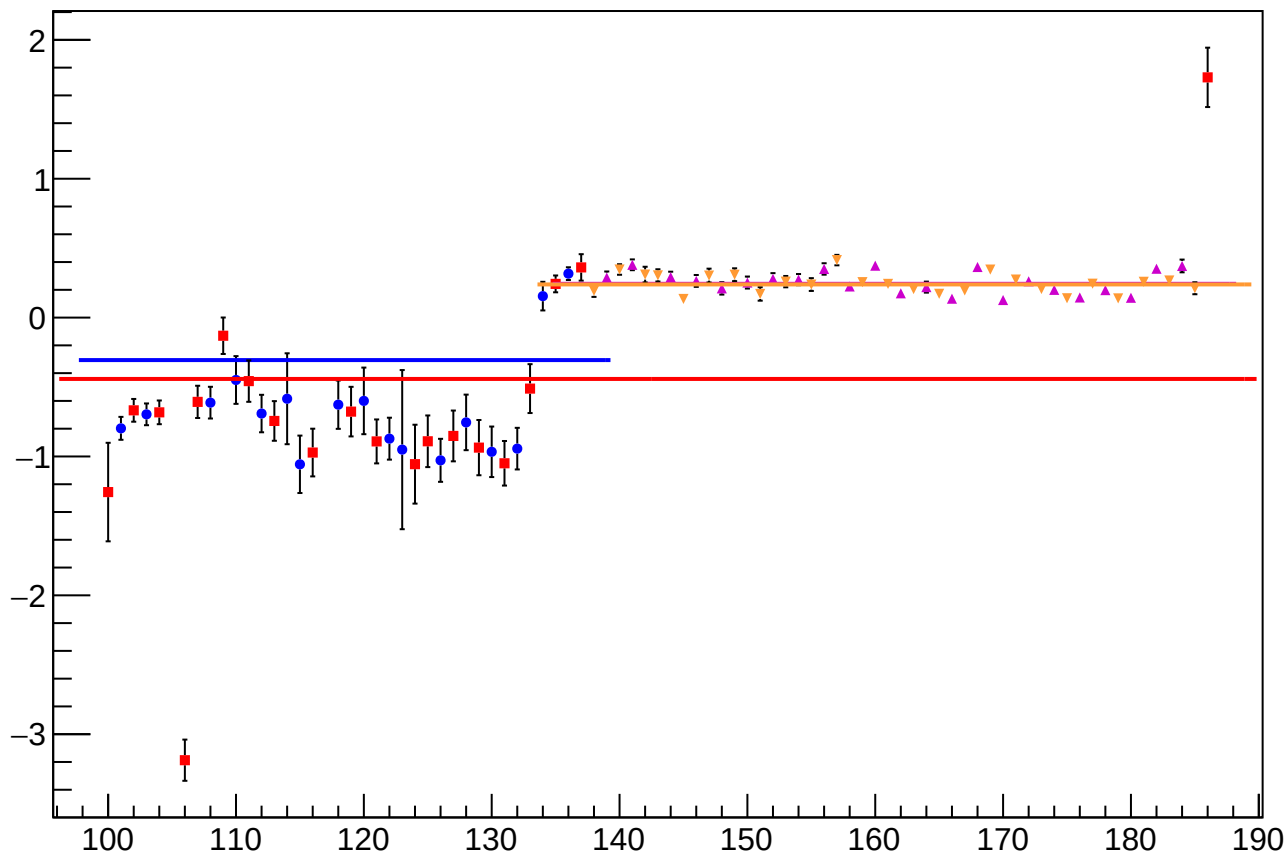
reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.412 ± 0.524 $\chi^2/\text{NDF}: 473.5/16$
 Left Out: -19.847 ± 0.153 $\chi^2/\text{NDF}: 1931.3/24$
 Right Out: -10.816 ± 0.546 $\chi^2/\text{NDF}: 366.0/19$
 Left In: -20.410 ± 0.157 $\chi^2/\text{NDF}: 2302.0/22$

+ sign -19.265 ± 0.147 $\chi^2/\text{NDF}: 2590.5/41$
 All: -19.466 ± 0.105 $\chi^2/\text{NDF}: 5548.1/84$
 - sign -19.679 ± 0.151 $\chi^2/\text{NDF}: 2953.7/42$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.442 ± 0.028 χ^2/NDF : 732.8/19

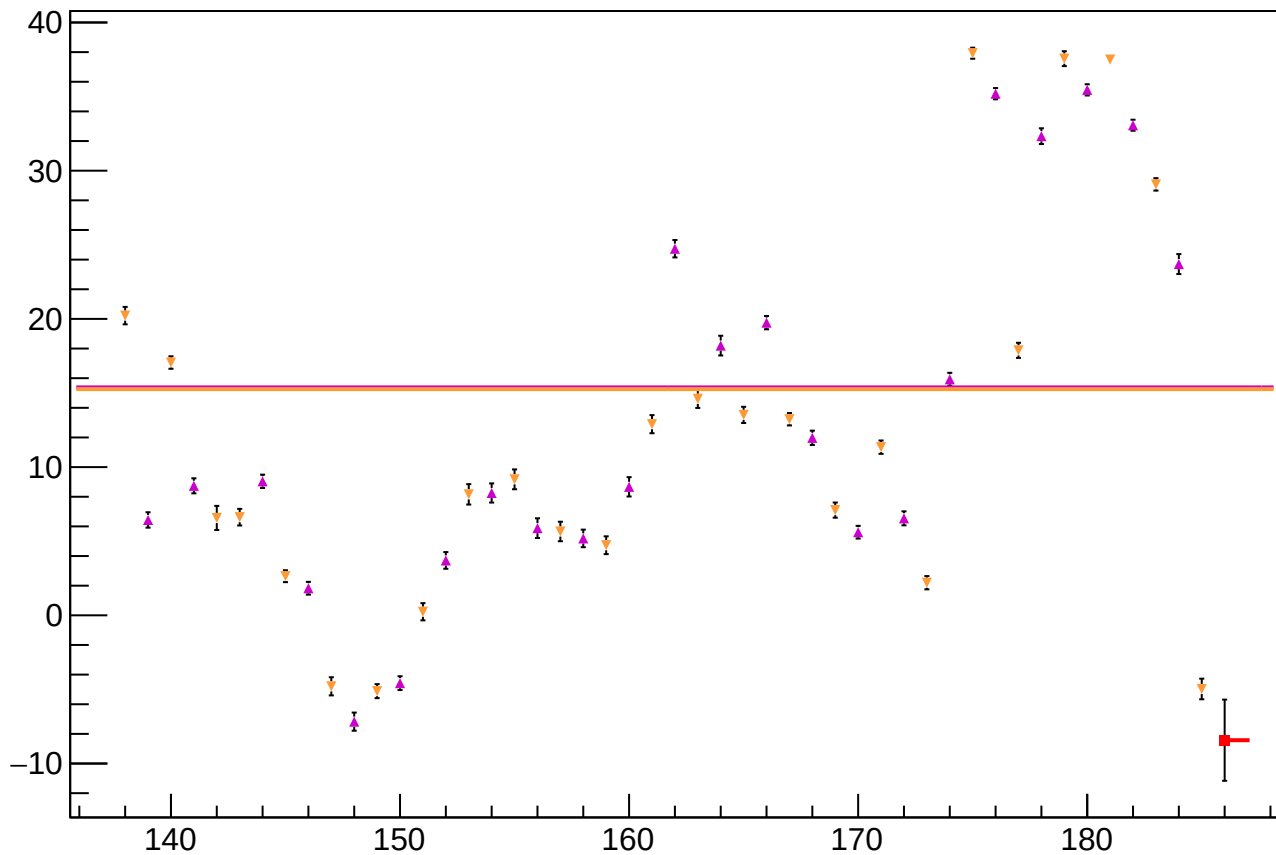
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.206 ± 0.007 χ^2/NDF : 830.8/41

All: 0.204 ± 0.005 χ^2/NDF : 2250.2/84

- sign 0.202 ± 0.007 χ^2/NDF : 1419.2/42

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 15.263 $\pm$ 0.100 χ^2 /NDF:19175.2/24

Right Out: -8.426 $\pm$ 2.739 χ^2 /NDF: 0.0/0

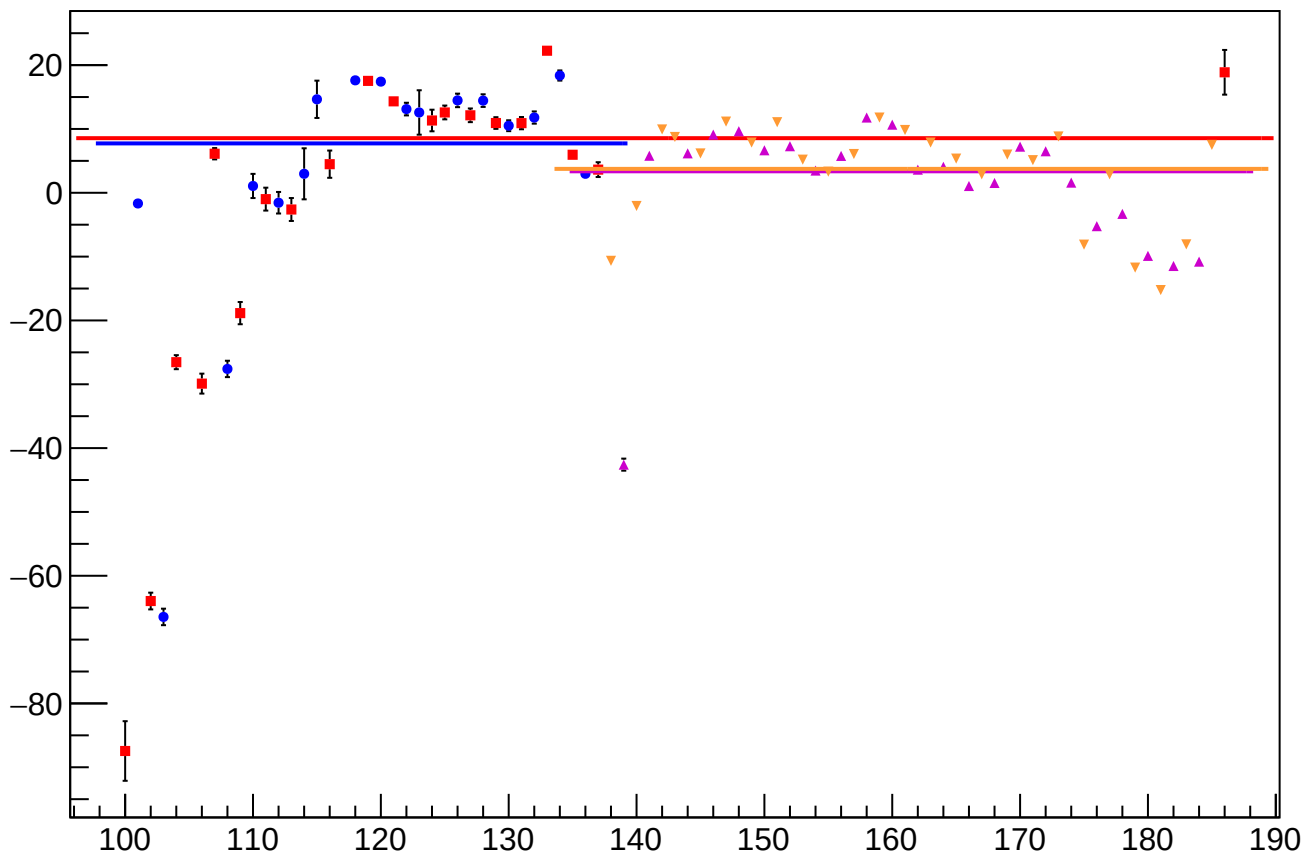
Left In: 15.377 $\pm$ 0.103 χ^2 /NDF:16268.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 15.302 $\pm$ 0.072 χ^2 /NDF: 35519.8/48

- sign 15.343 $\pm$ 0.103 χ^2 /NDF: 16344.3/23

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.736 ± 0.218 χ^2/NDF : 5301.4/16

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: 8.556 ± 0.213 χ^2/NDF : 6729.3/19

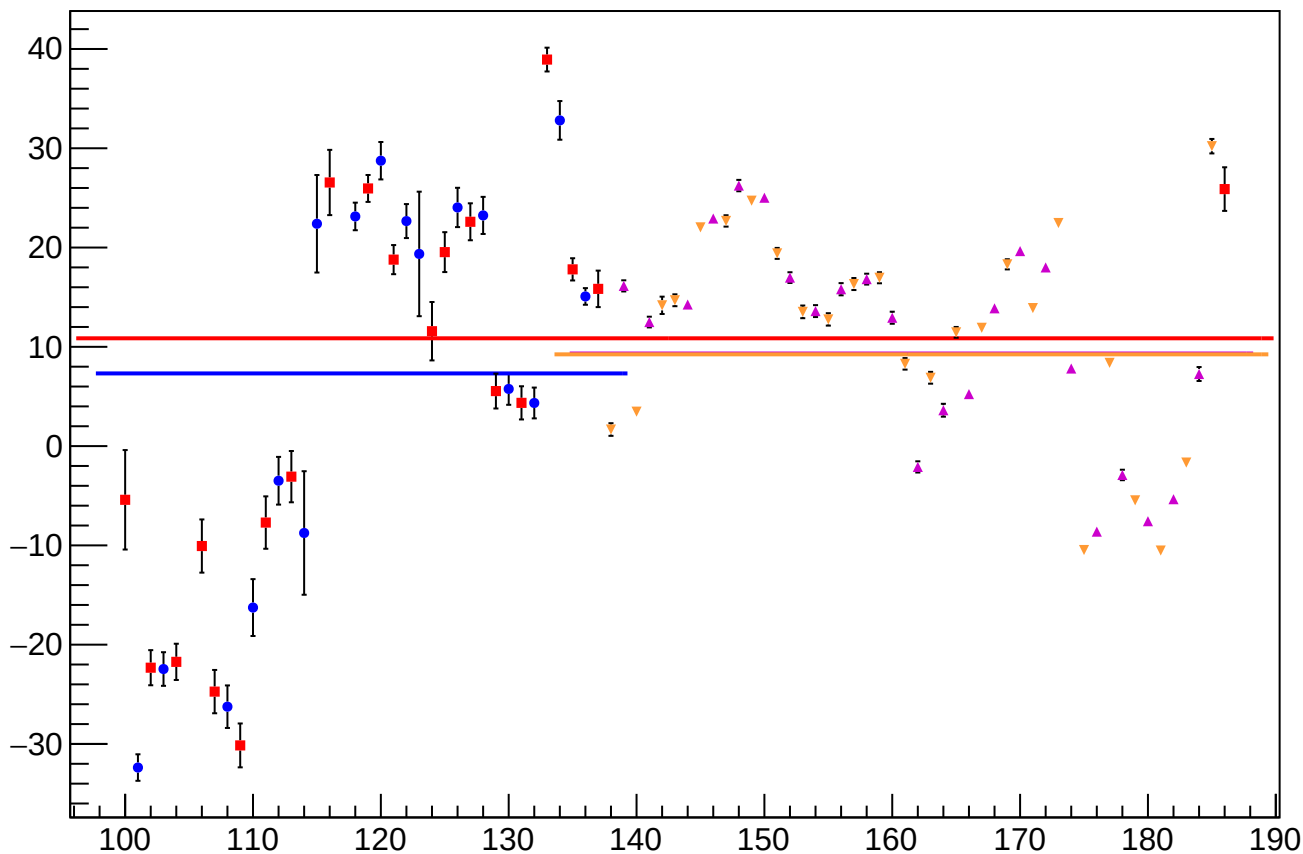
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 4.205 ± 0.074 χ^2/NDF : 14844.4/41

All: 4.117 ± 0.053 χ^2/NDF : 30621.7/84

- sign 4.024 ± 0.076 χ^2/NDF : 15774.4/42

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.321+/-0.419 χ^2/NDF : 2291.7/16

Left Out: 9.242+/-0.101 χ^2/NDF :13633.2/24

Right Out: 10.858+/-0.410 χ^2/NDF : 2331.4/19

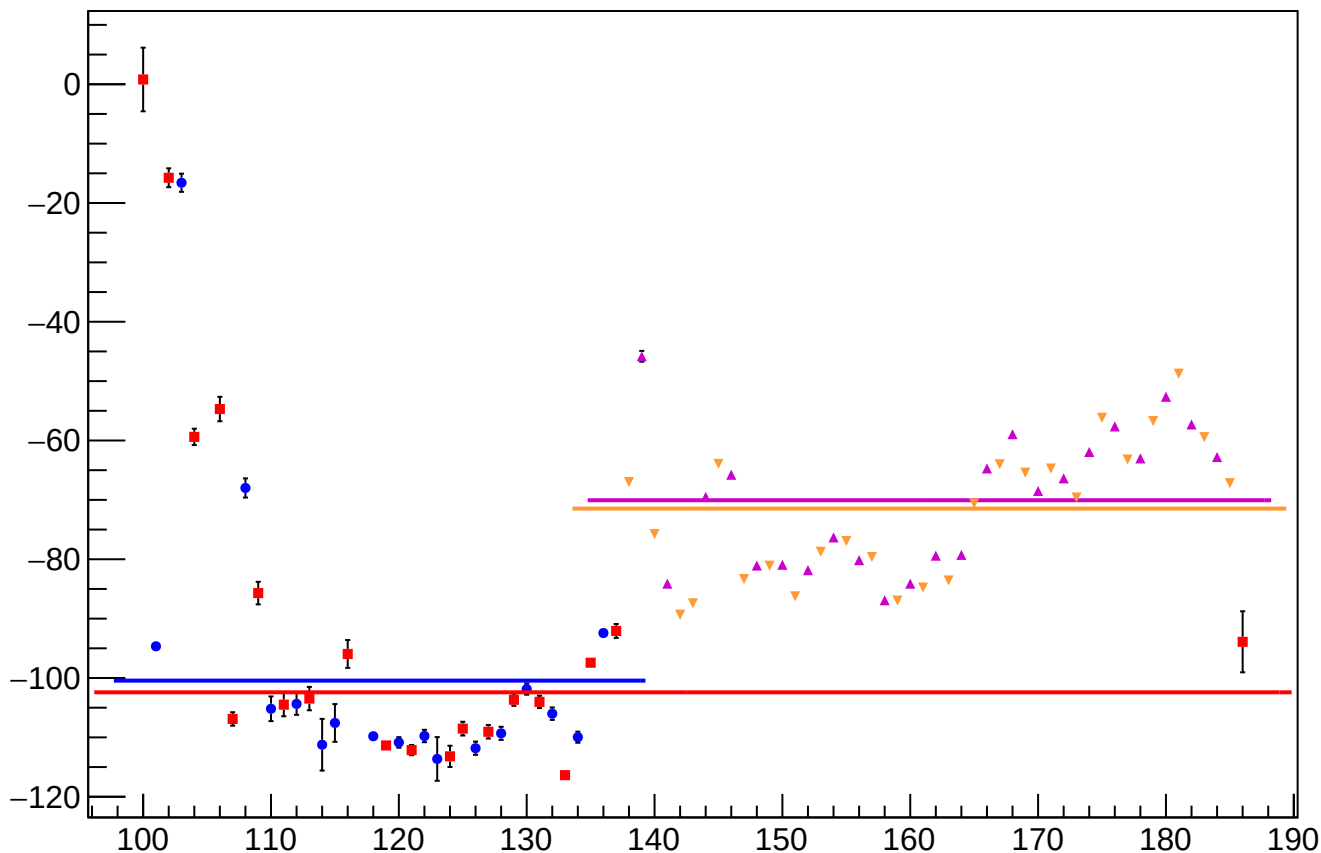
Left In: 9.328+/-0.103 χ^2/NDF :11968.5/22

+ sign 9.137+/-0.098 χ^2/NDF : 15944.7/41

All: 9.276+/-0.070 χ^2/NDF : 30261.7/84

- sign 9.418+/-0.099 χ^2/NDF : 14312.9/42

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.441+/-0.251 χ^2/NDF : 4458.9/16

Left Out: -71.465+/-0.089 χ^2/NDF : 16409.7/24

Right Out: -102.408+/-0.246 χ^2/NDF : 6097.7/19

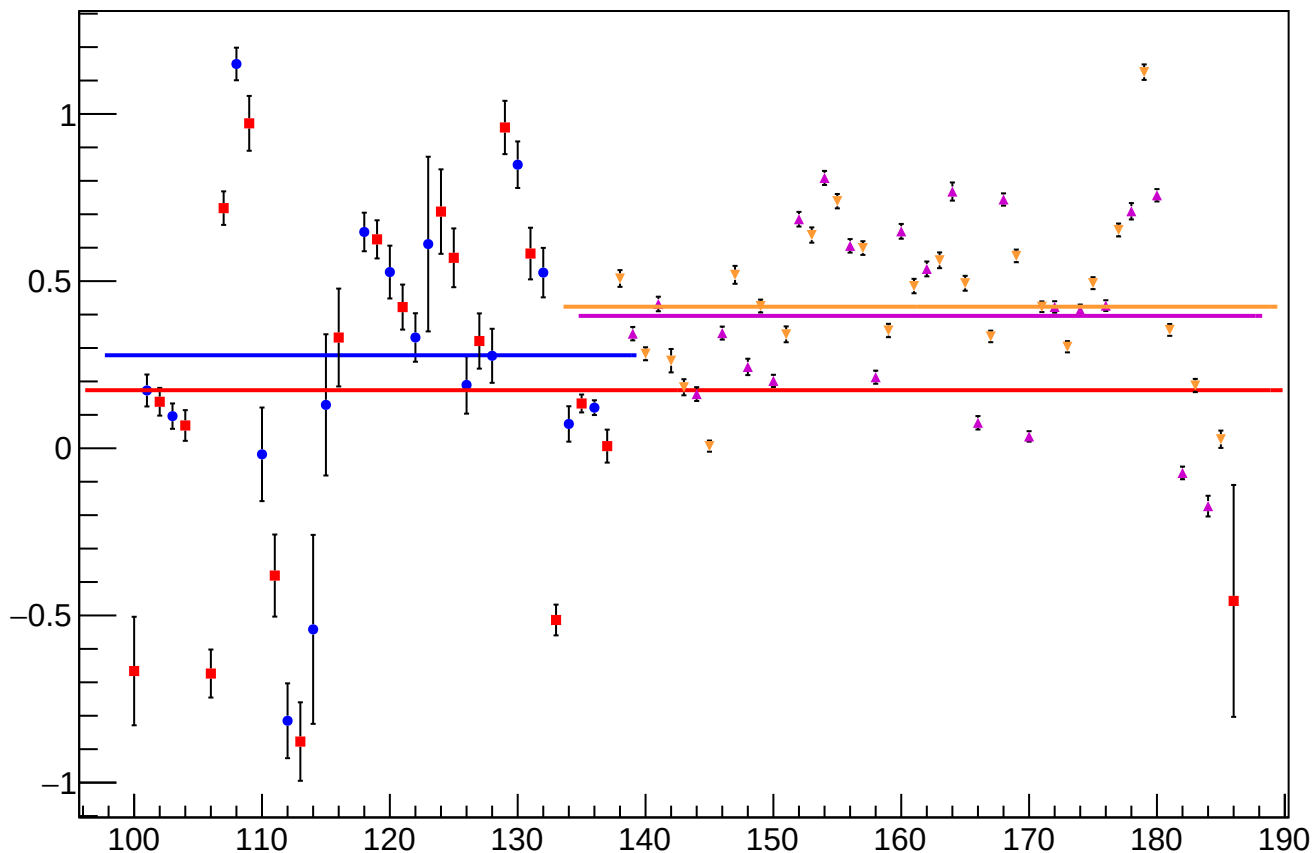
Left In: -70.061+/-0.092 χ^2/NDF : 13058.5/22

+ sign -74.719+/-0.084 χ^2/NDF : 32694.7/41

All: -74.366+/-0.060 χ^2/NDF : 67025.2/84

- sign -73.998+/-0.086 χ^2/NDF : 34294.6/42

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.278 $\pm$ 0.014 χ^2/NDF : 653.5/16

Left Out: 0.424 $\pm$ 0.004 χ^2/NDF :2885.0/24

Right Out: 0.174 $\pm$ 0.013 χ^2/NDF : 969.4/19

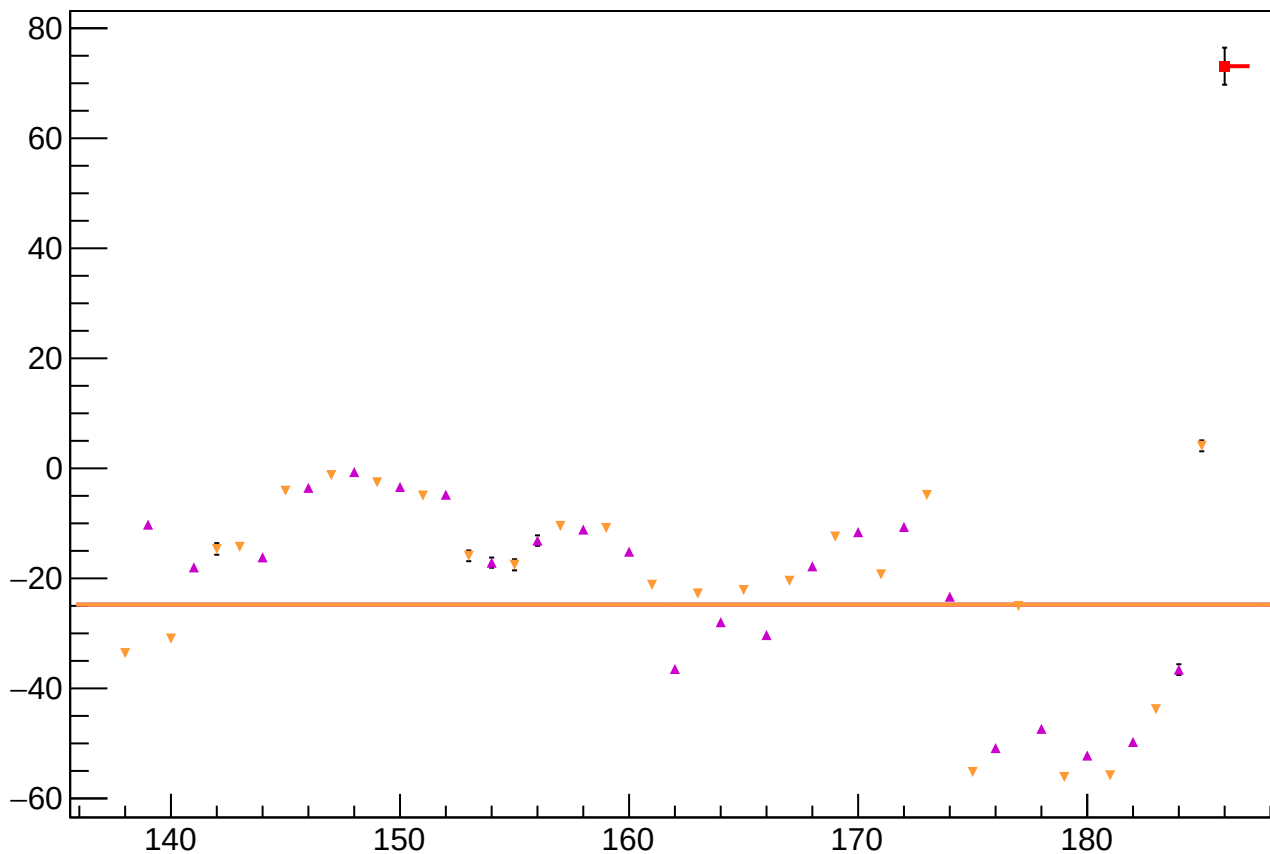
Left In: 0.396 $\pm$ 0.004 χ^2/NDF :4051.5/22

+ sign 0.411 $\pm$ 0.004 χ^2/NDF : 3644.0/41

All: 0.394 $\pm$ 0.003 χ^2/NDF : 8951.5/84

- sign 0.377 $\pm$ 0.004 χ^2/NDF : 5269.1/42

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -24.769 $\pm$ 0.139 χ^2 /NDF:18318.8/24

Right Out: 73.101 $\pm$ 3.369 χ^2 /NDF: 0.0/0

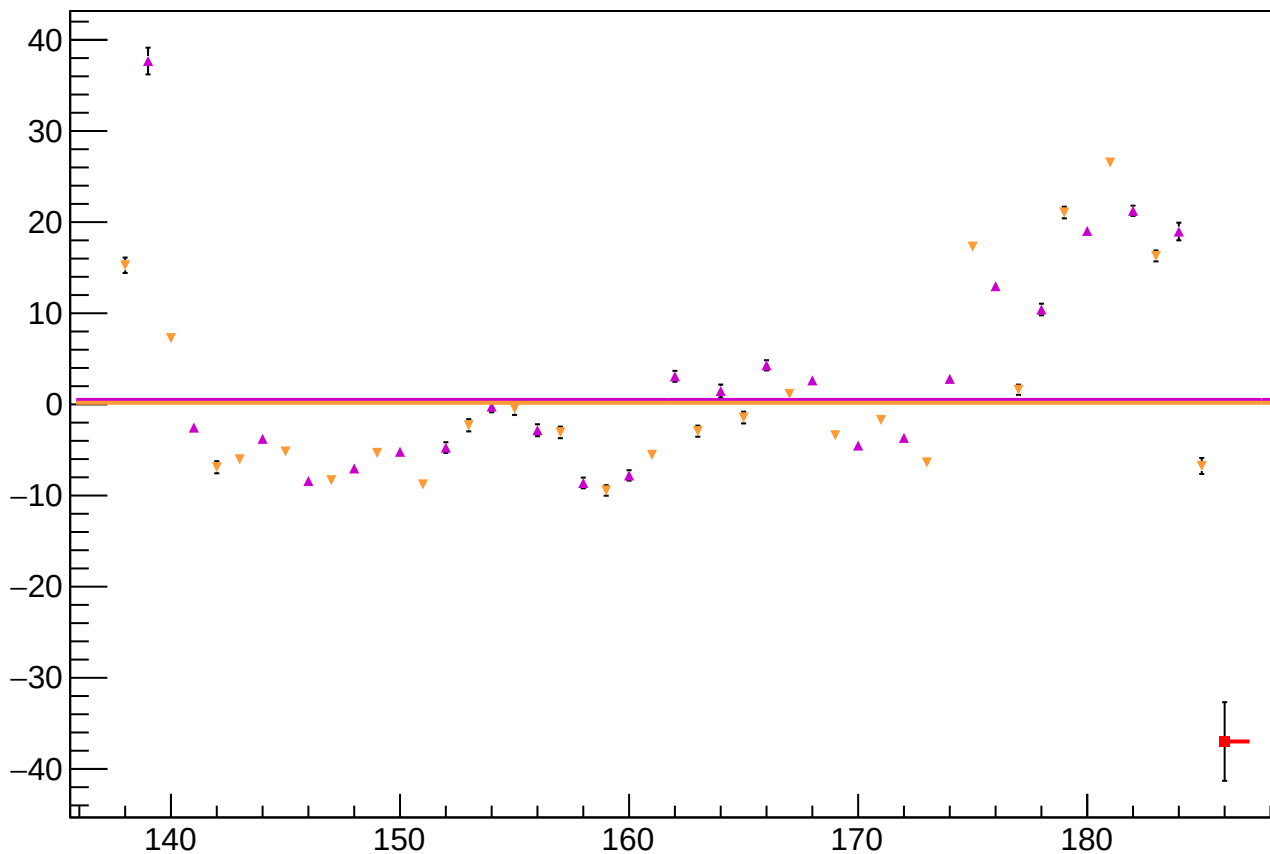
Left In: -24.775 $\pm$ 0.143 χ^2 /NDF:14807.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -24.686 $\pm$ 0.100 χ^2 /NDF: 33969.5/48

- sign -24.599 $\pm$ 0.143 χ^2 /NDF: 15650.0/23

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.177+/-0.109 χ^2/NDF : 8295.6/24

Right Out: -36.986+/-4.315 χ^2/NDF : 0.0/0

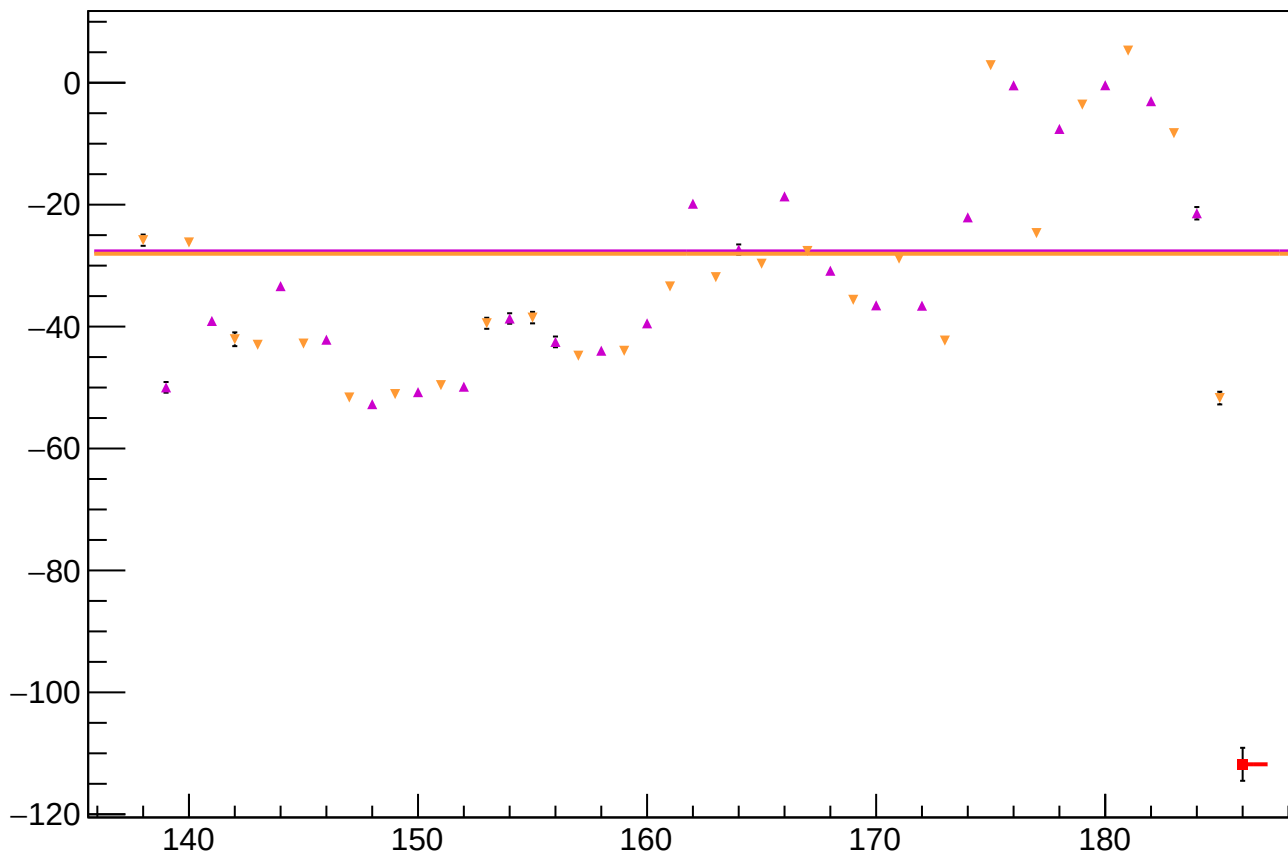
Left In: 0.493+/-0.112 χ^2/NDF : 6555.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.318+/-0.078 χ^2/NDF : 14929.8/48

- sign 0.468+/-0.112 χ^2/NDF : 6630.8/23

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -28.050+/-0.140 χ^2/NDF : 17144.5/24

Right Out: -111.801+/-2.706 χ^2/NDF : 0.0/0

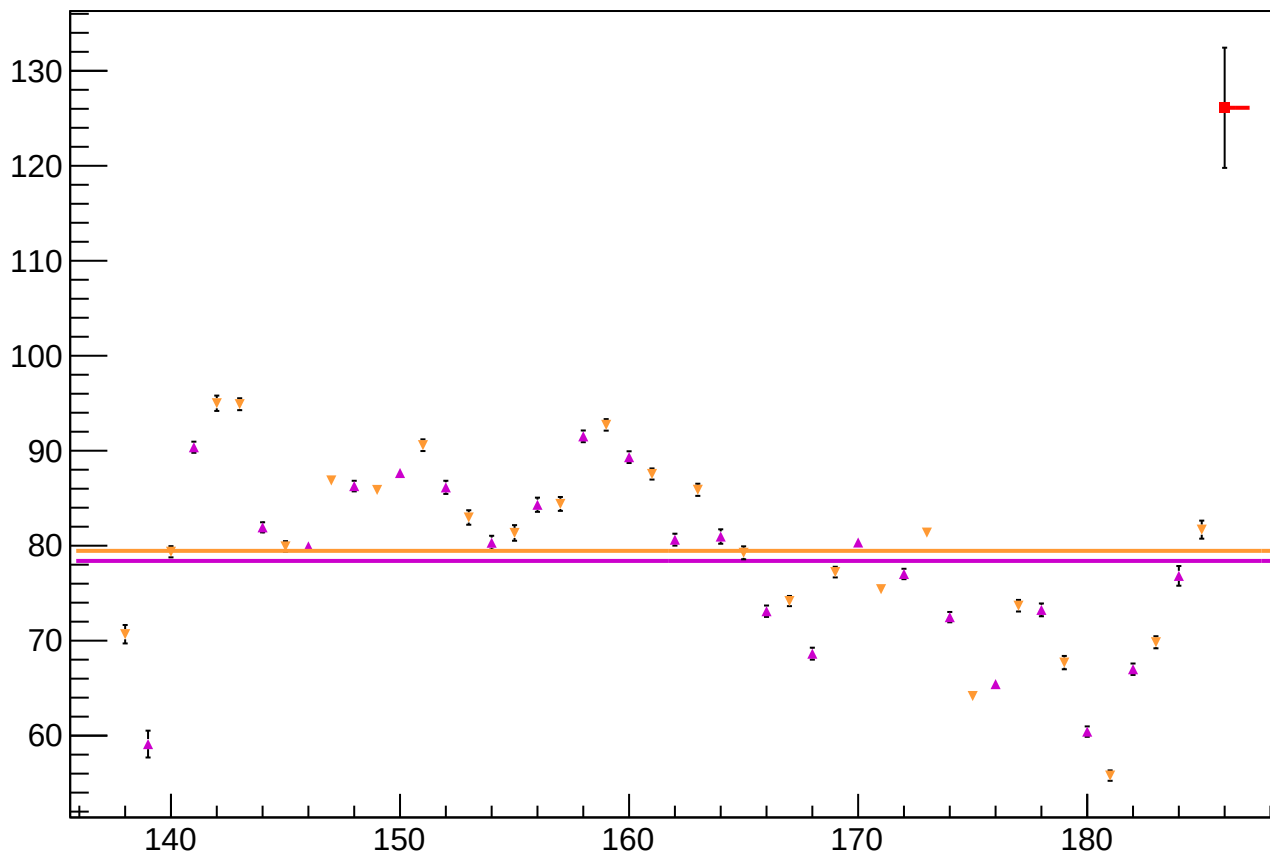
Left In: -27.666+/-0.142 χ^2/NDF : 15003.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -27.976+/-0.100 χ^2/NDF : 33112.5/48

- sign -27.899+/-0.142 χ^2/NDF : 15967.5/23

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 79.456+/-0.123 χ^2/NDF : 6077.1/24

Right Out: 126.108+/-6.329 χ^2/NDF : 0.0/0

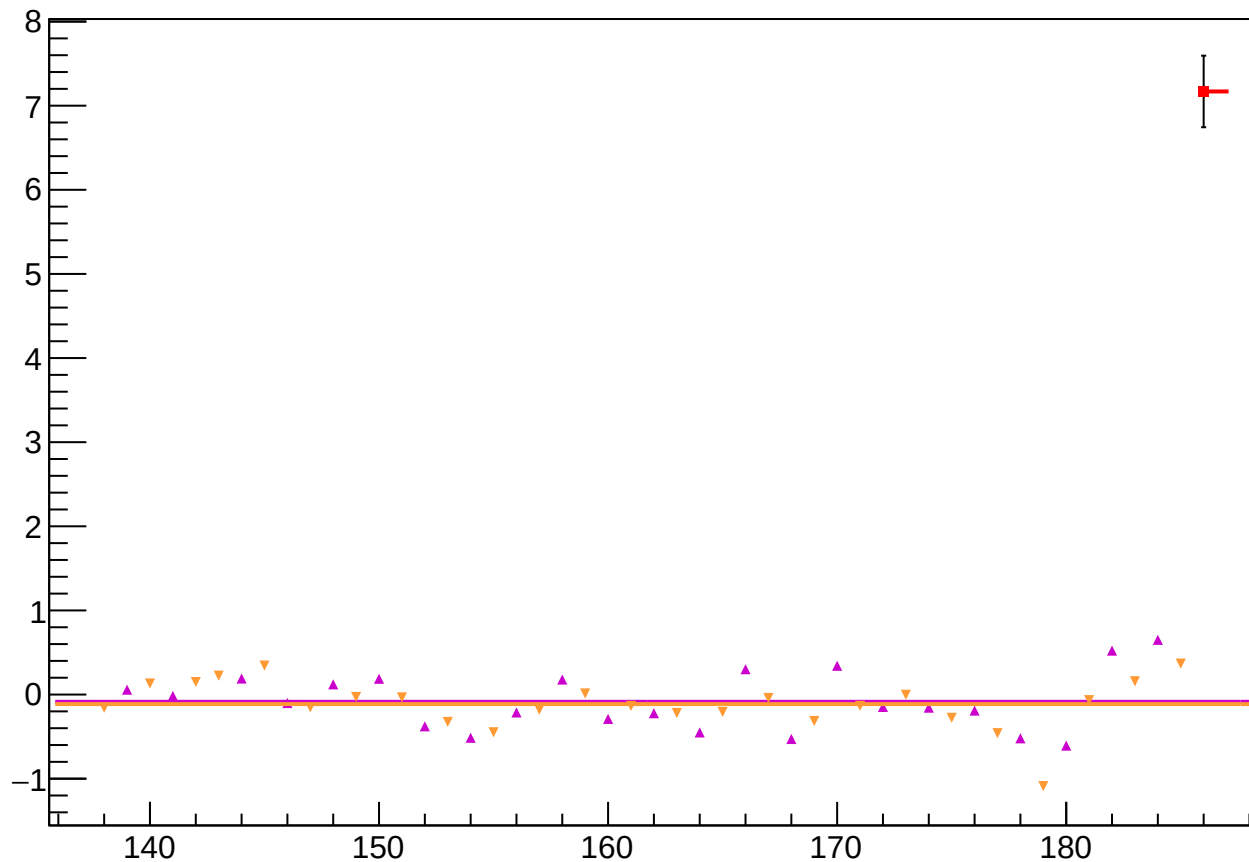
Left In: 78.396+/-0.127 χ^2/NDF : 4707.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 78.950+/-0.088 χ^2/NDF : 10875.9/48

- sign 78.415+/-0.127 χ^2/NDF : 4764.1/23

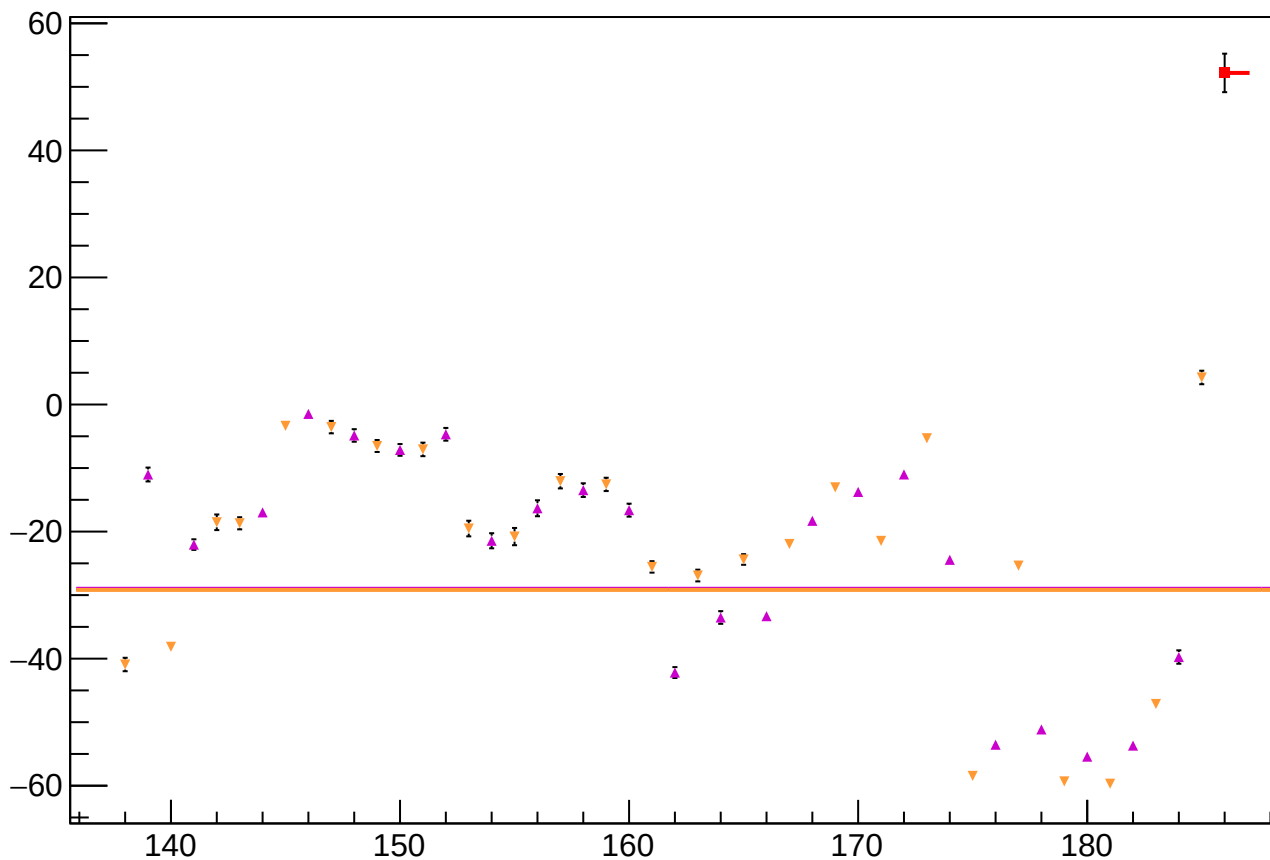
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.113+/-0.006 χ^2/NDF : 2303.1/24
 Right Out: 7.169+/-0.425 χ^2/NDF : 0.0/0
 Left In: -0.086+/-0.006 χ^2/NDF : 3132.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -0.099+/-0.004 χ^2/NDF : 5738.3/48
 - sign -0.085+/-0.006 χ^2/NDF : 3422.9/23

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -29.180 $\pm$ 0.157 χ^2 /NDF:16912.2/24

Right Out: 52.193 $\pm$ 3.030 χ^2 /NDF: 0.0/0

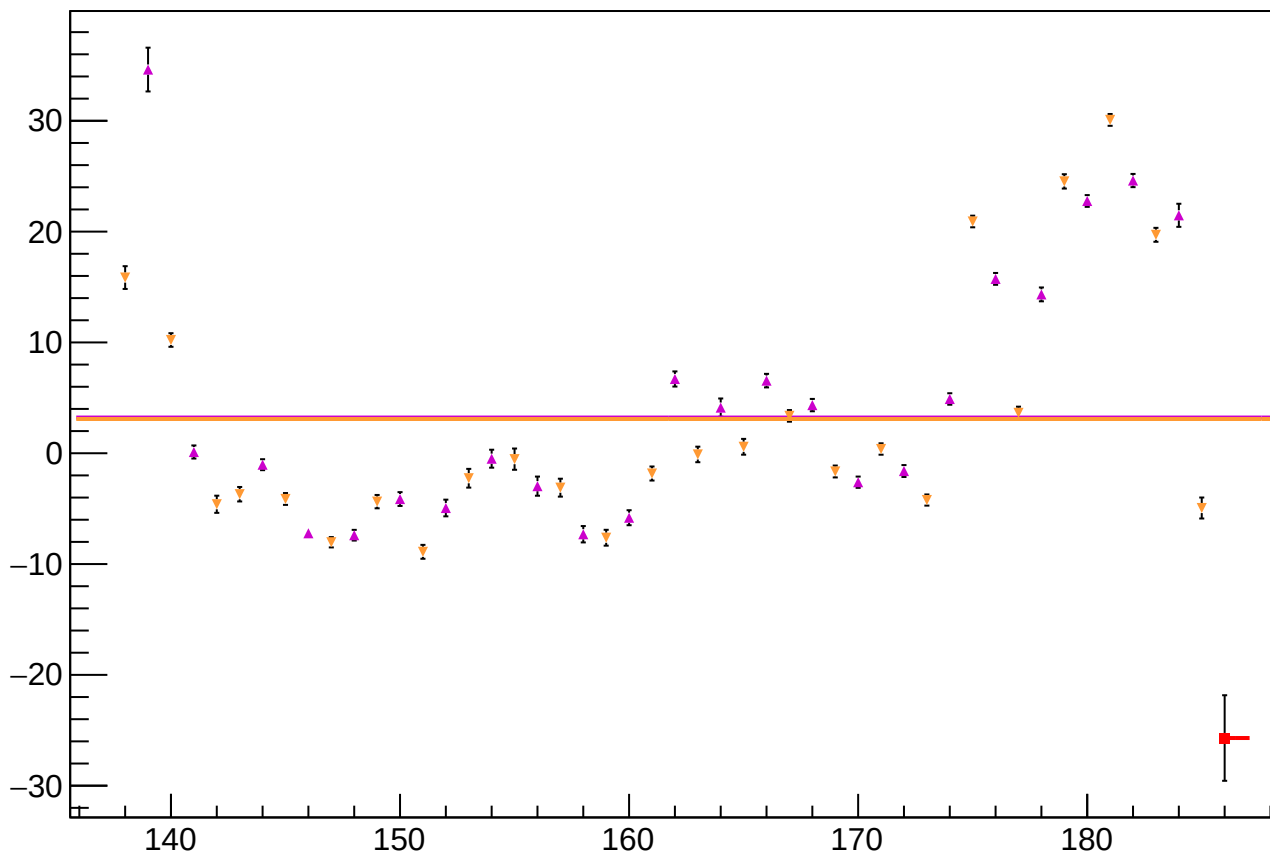
Left In: -29.003 $\pm$ 0.160 χ^2 /NDF:13416.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -28.982 $\pm$ 0.112 χ^2 /NDF: 31048.2/48

- sign -28.777 $\pm$ 0.160 χ^2 /NDF: 14132.8/23

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 3.091+/-0.124 χ^2/NDF : 8084.1/24

Right Out: -25.698+/-3.861 χ^2/NDF : 0.0/0

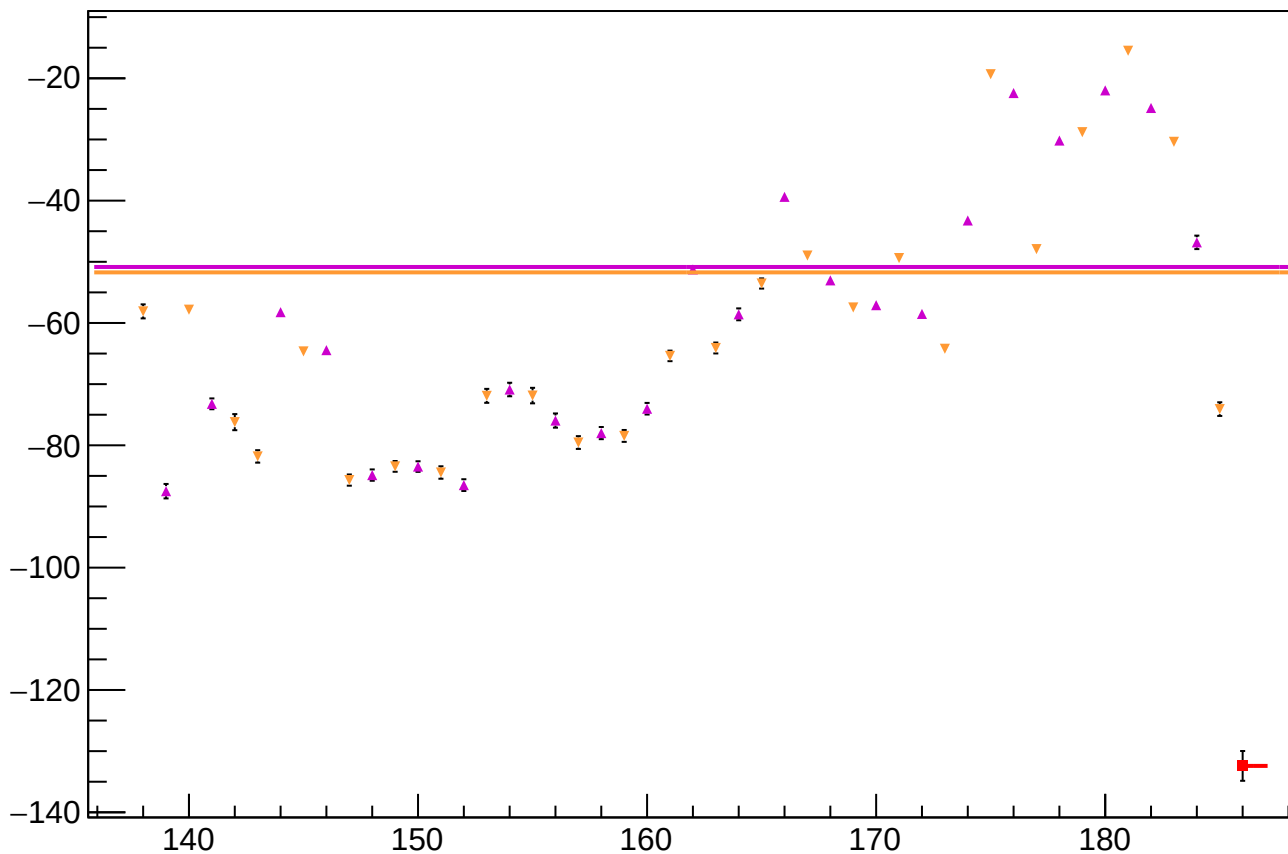
Left In: 3.221+/-0.127 χ^2/NDF : 6237.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 3.139+/-0.089 χ^2/NDF : 14378.0/48

- sign 3.190+/-0.127 χ^2/NDF : 6293.7/23

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -51.729 ± 0.158 $\chi^2/\text{NDF}: 19538.0/24$

Right Out: -132.413 ± 2.435 $\chi^2/\text{NDF}: 0.0/0$

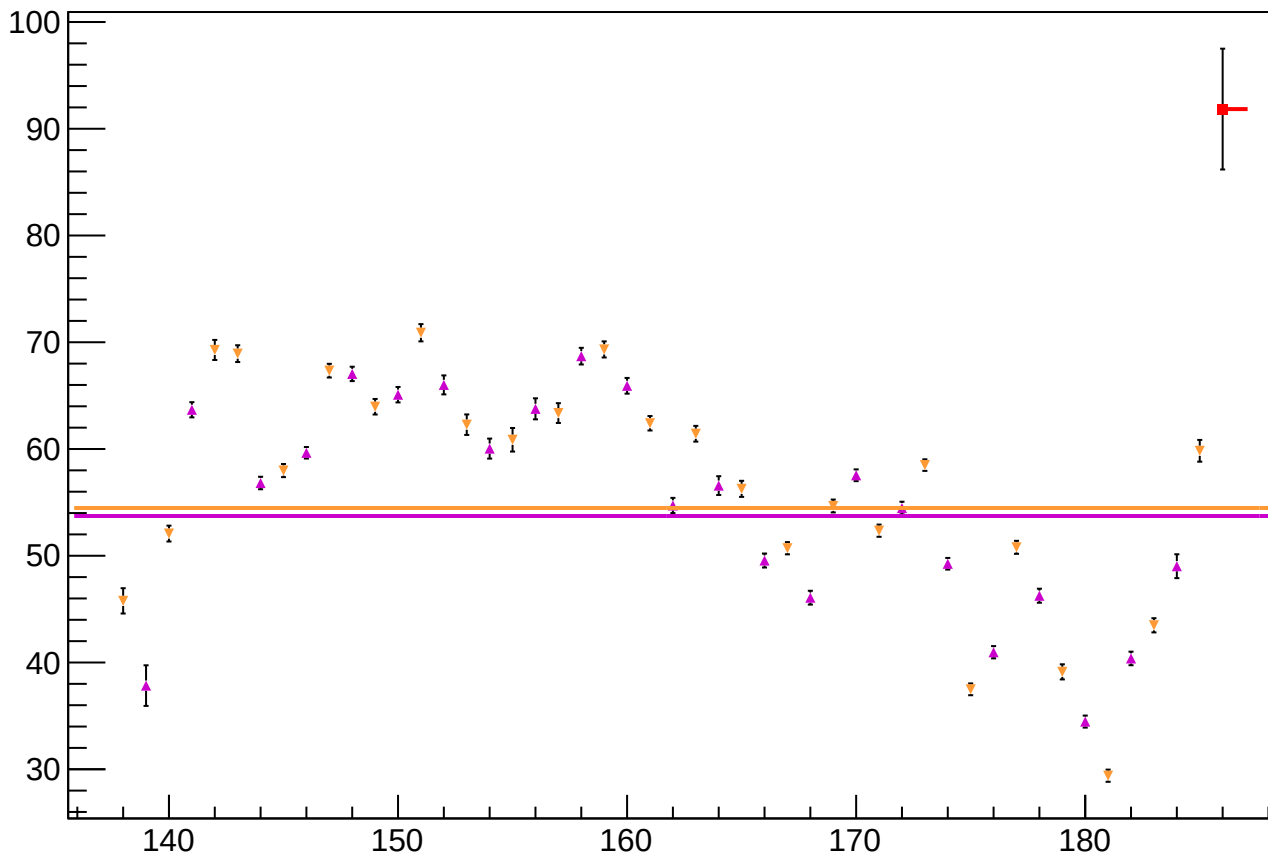
Left In: -50.844 ± 0.160 $\chi^2/\text{NDF}: 17272.0/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

All: -51.465 ± 0.112 $\chi^2/\text{NDF}: 37933.1/48$

- sign -51.195 ± 0.160 $\chi^2/\text{NDF}: 18389.5/23$

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 54.476 $\pm$ 0.140 χ^2 /NDF:6266.9/24

Right Out: 91.843 $\pm$ 5.659 χ^2 /NDF: 0.0/0

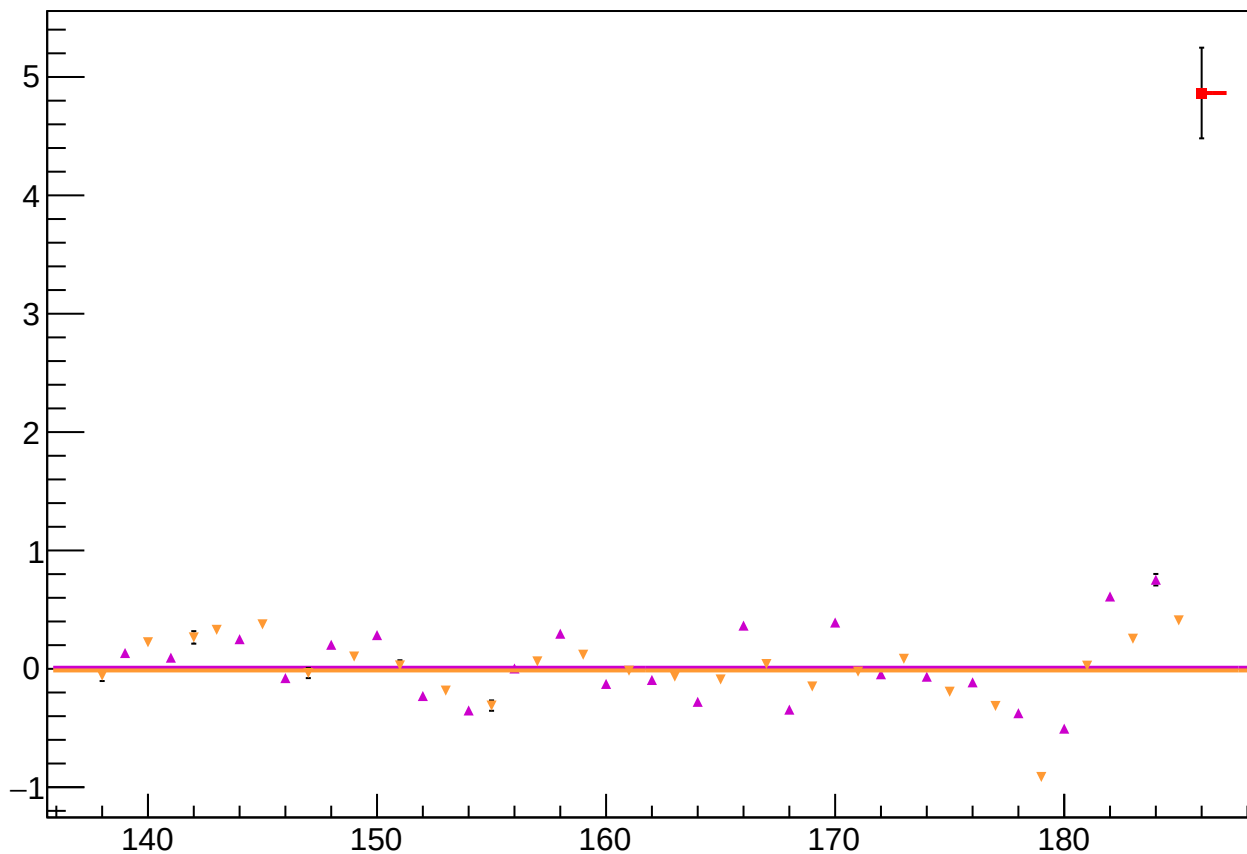
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF:4585.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 54.119 $\pm$ 0.100 χ^2 /NDF: 10911.2/48

- sign 53.748 $\pm$ 0.143 χ^2 /NDF: 4631.1/23

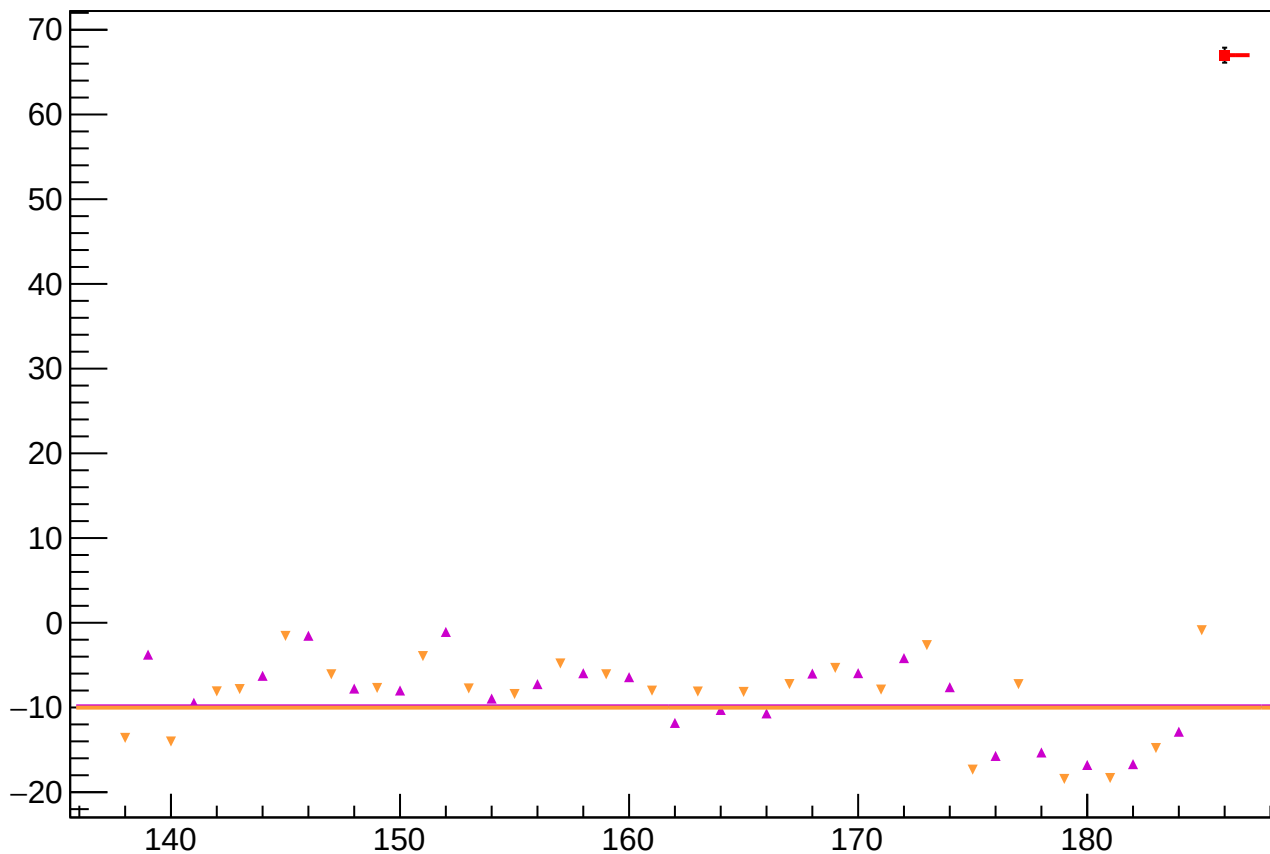
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.014+/-0.006 χ^2/NDF : 1654.7/24
 Right Out: 4.865+/-0.383 χ^2/NDF : 0.0/0
 Left In: 0.009+/-0.007 χ^2/NDF : 2220.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -0.002+/-0.005 χ^2/NDF : 4042.8/48
 - sign 0.010+/-0.007 χ^2/NDF : 2381.2/23

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -10.017 $\pm$ 0.051 χ^2 /NDF:12552.8/24

Right Out: 67.003 $\pm$ 0.885 χ^2 /NDF: 0.0/0

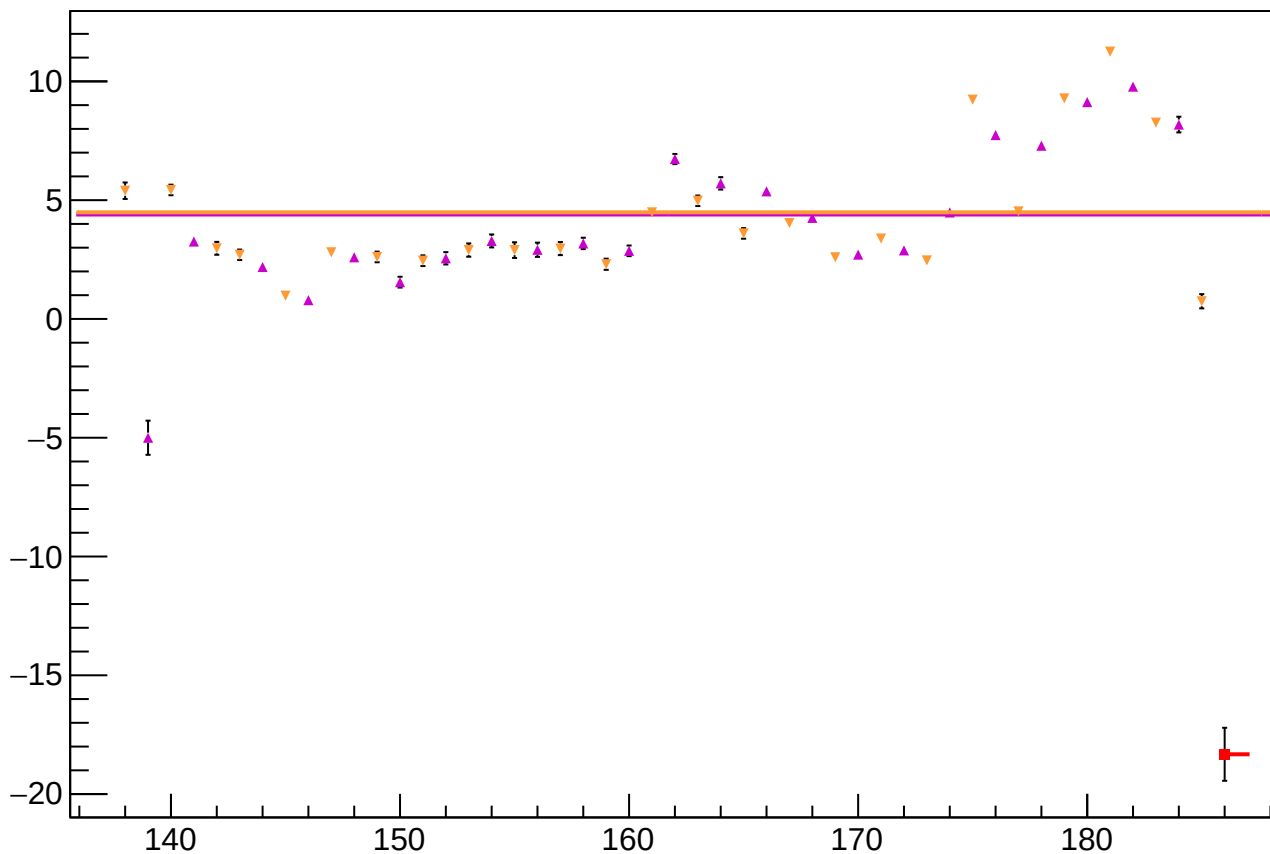
Left In: -9.865 $\pm$ 0.051 χ^2 /NDF:9345.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -9.815 $\pm$ 0.036 χ^2 /NDF: 29451.8/48

- sign -9.607 $\pm$ 0.051 χ^2 /NDF: 16866.7/23

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 4.489+/-0.041 χ^2/NDF : 4832.3/24

Right Out: -18.325+/-1.116 χ^2/NDF : 0.0/0

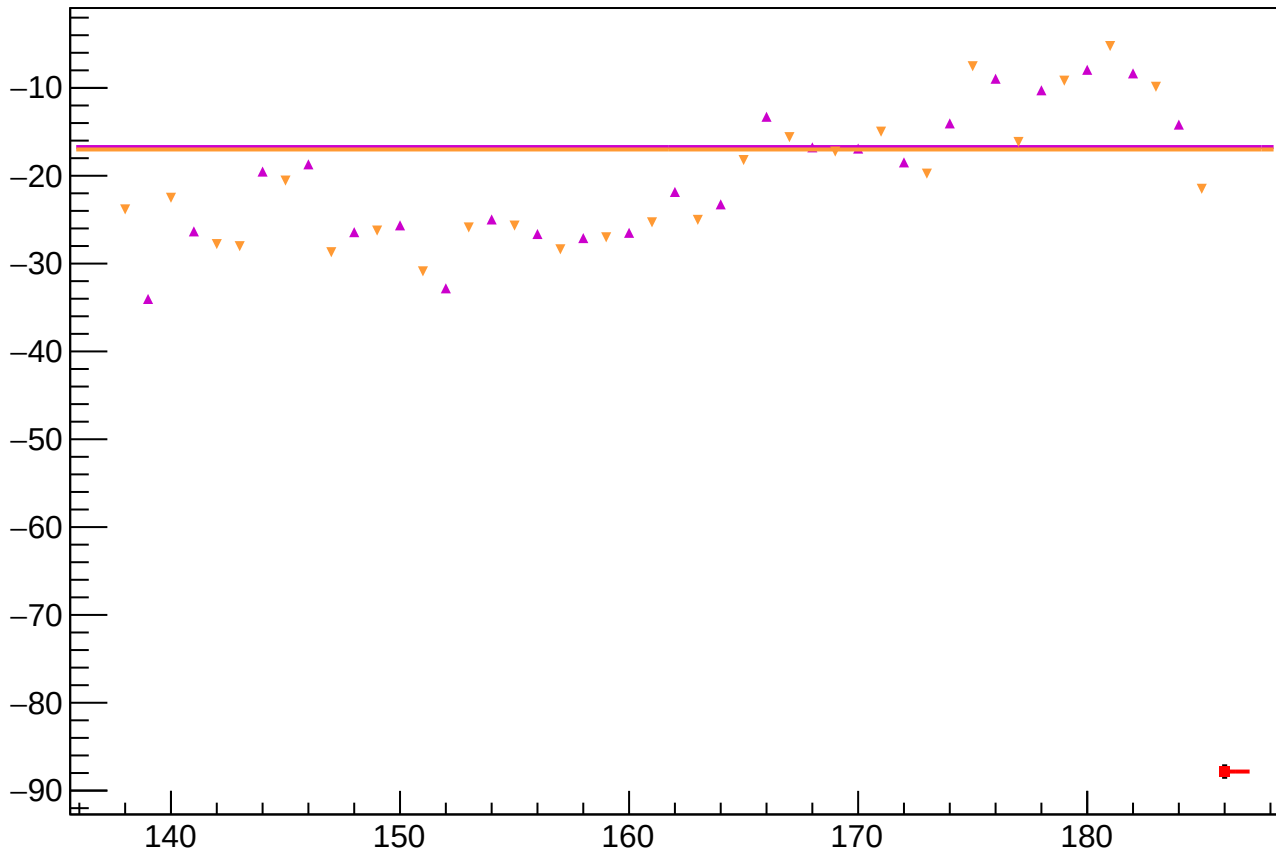
Left In: 4.396+/-0.041 χ^2/NDF : 4230.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4.428+/-0.029 χ^2/NDF : 9481.1/48

- sign 4.365+/-0.041 χ^2/NDF : 4644.2/23

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -17.008+/-0.051 χ^2/NDF : 22094.7/24

Right Out: -87.833+/-0.711 χ^2/NDF : 0.0/0

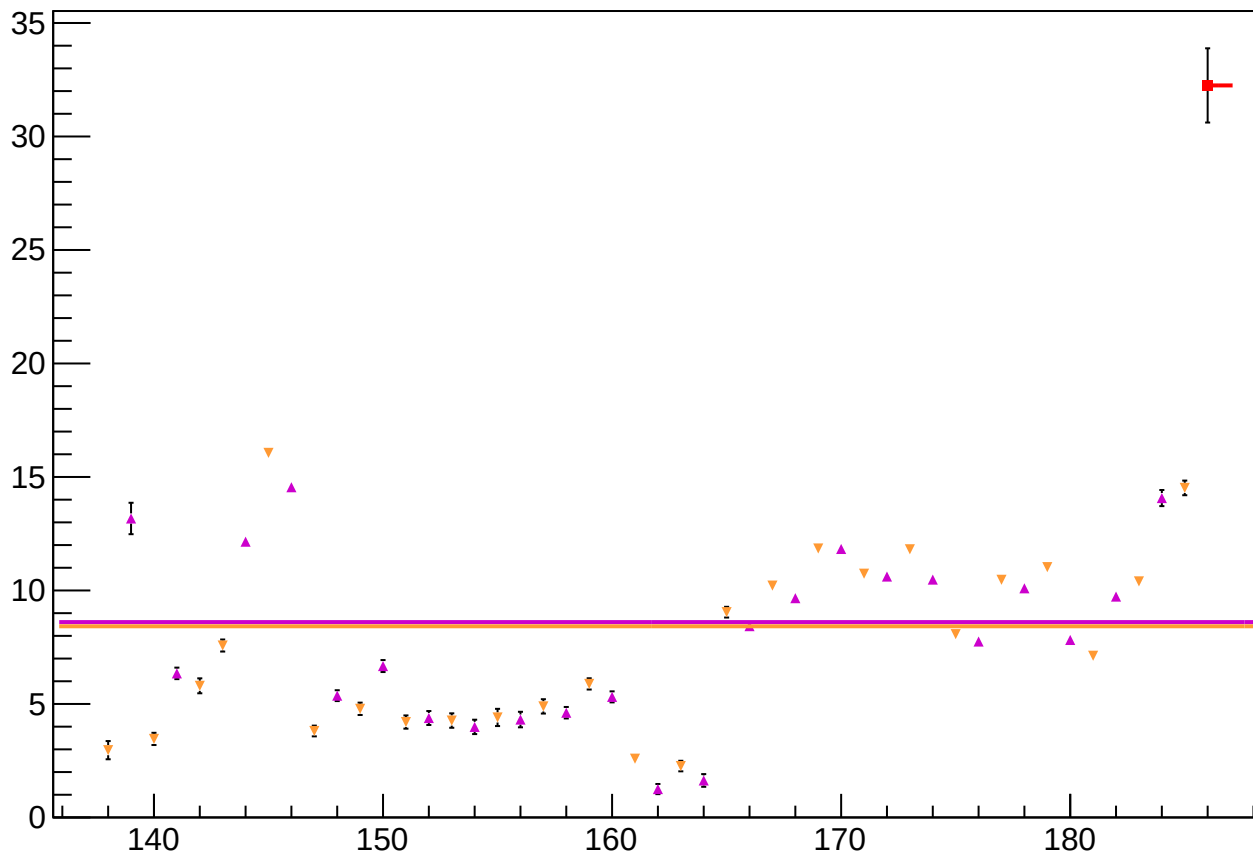
Left In: -16.732+/-0.052 χ^2/NDF : 18777.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.056+/-0.036 χ^2/NDF : 50824.0/48

- sign -17.103+/-0.051 χ^2/NDF : 28727.6/23

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 8.422 $\pm$ 0.046 χ^2 /NDF:6470.1/24

Right Out: 32.250 $\pm$ 1.635 χ^2 /NDF: 0.0/0

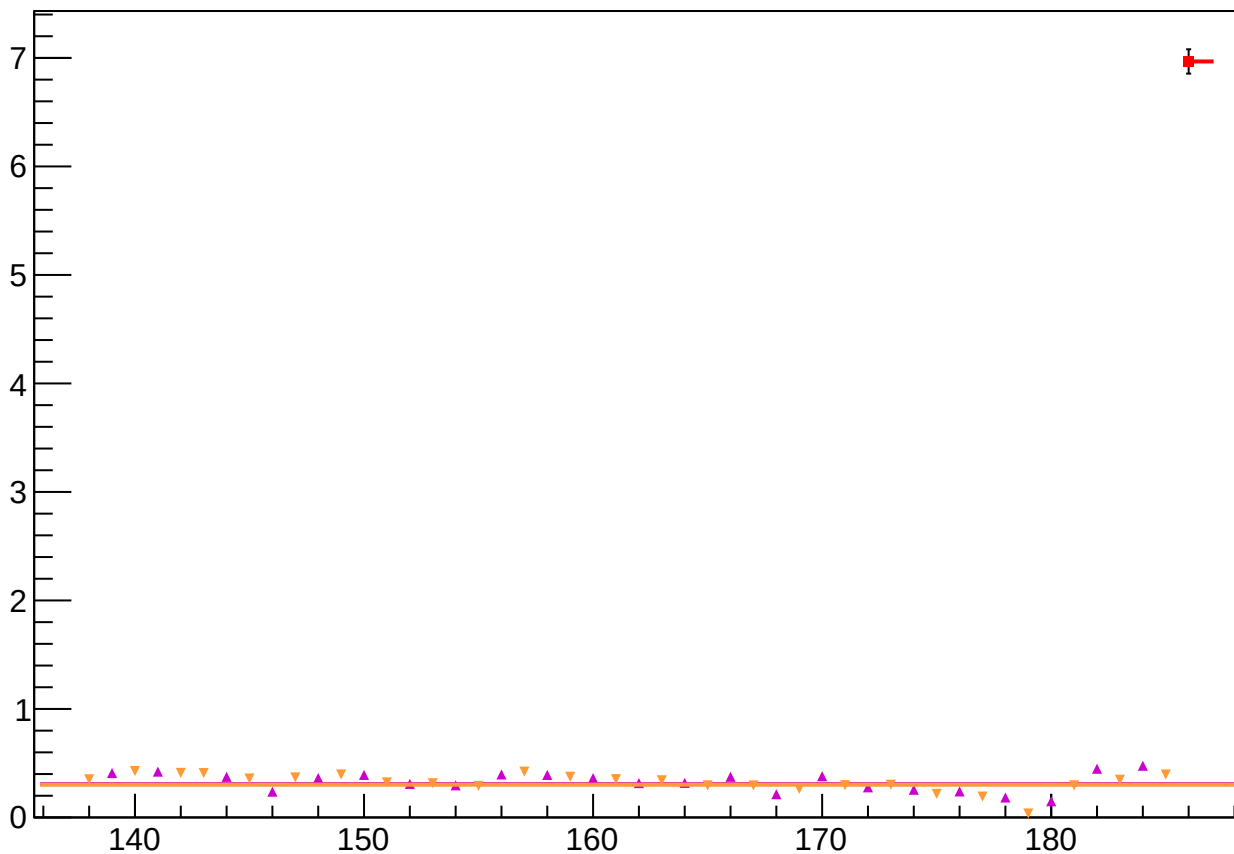
Left In: 8.606 $\pm$ 0.046 χ^2 /NDF:5504.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 8.522 $\pm$ 0.032 χ^2 /NDF: 12193.1/48

- sign 8.625 $\pm$ 0.046 χ^2 /NDF: 5713.1/23

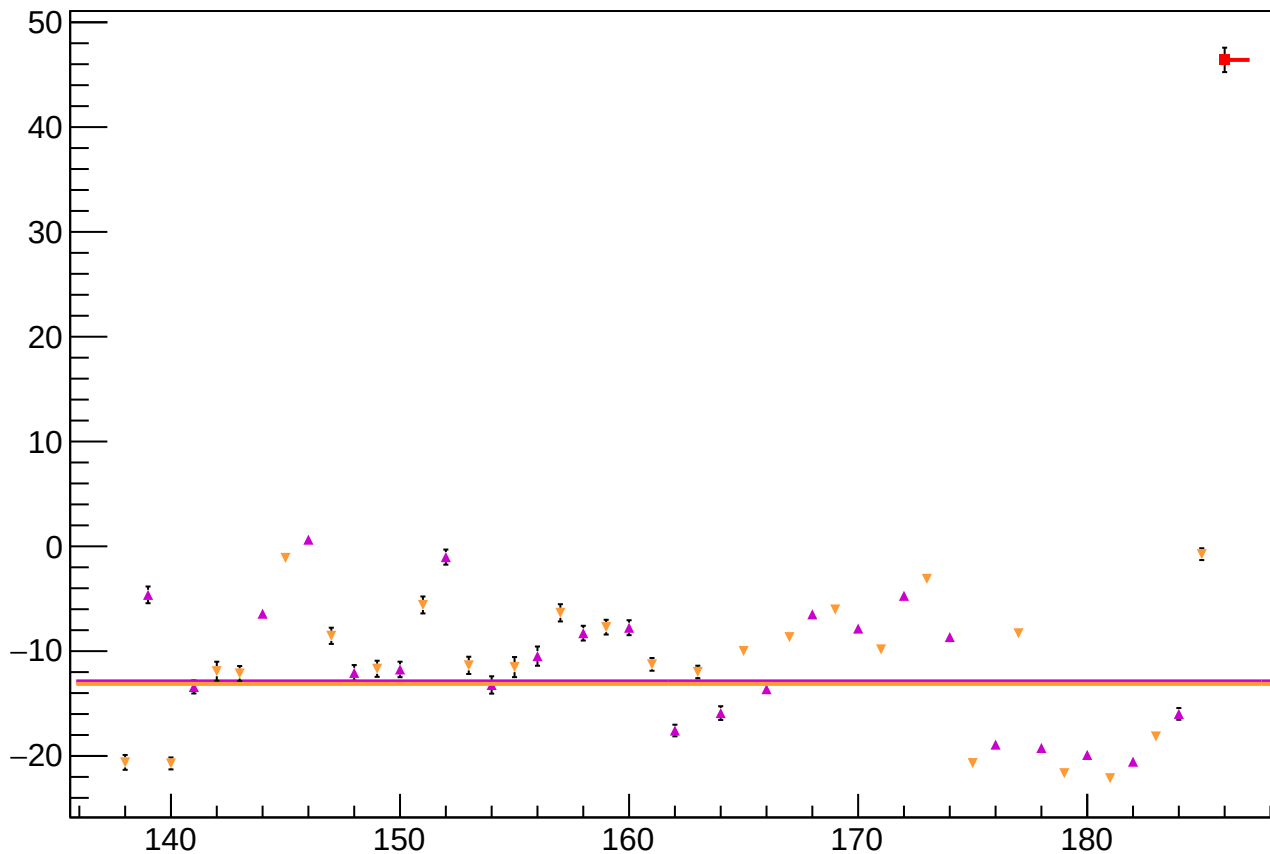
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.302 $\pm$ 0.002 χ^2 /NDF:1590.9/24
 Right Out: 6.968 $\pm$ 0.112 χ^2 /NDF: 0.0/0
 Left In: 0.307 $\pm$ 0.002 χ^2 /NDF:1699.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.306 $\pm$ 0.001 χ^2 /NDF: 6819.4/48
 - sign 0.310 $\pm$ 0.002 χ^2 /NDF: 5222.7/23

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -13.125 $\pm$ 0.094 χ^2 /NDF: 5977.6/24

Right Out: 46.411 $\pm$ 1.167 χ^2 /NDF: 0.0/0

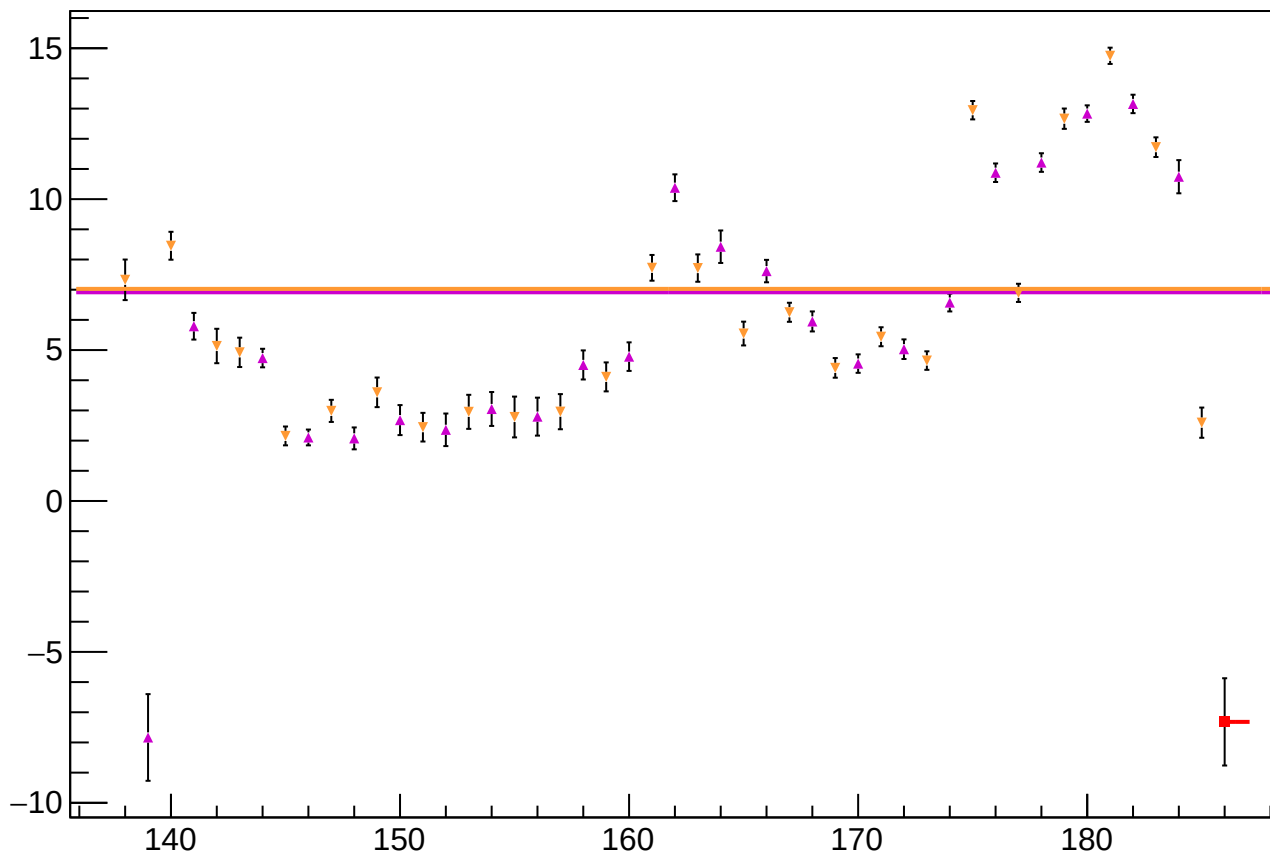
Left In: -12.885 $\pm$ 0.095 χ^2 /NDF: 4776.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -12.813 $\pm$ 0.067 χ^2 /NDF: 13343.1/48

- sign -12.494 $\pm$ 0.095 χ^2 /NDF: 7343.1/23

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 7.028 $\pm$ 0.077 χ^2 /NDF:2665.3/24

Right Out: -7.318 $\pm$ 1.446 χ^2 /NDF: 0.0/0

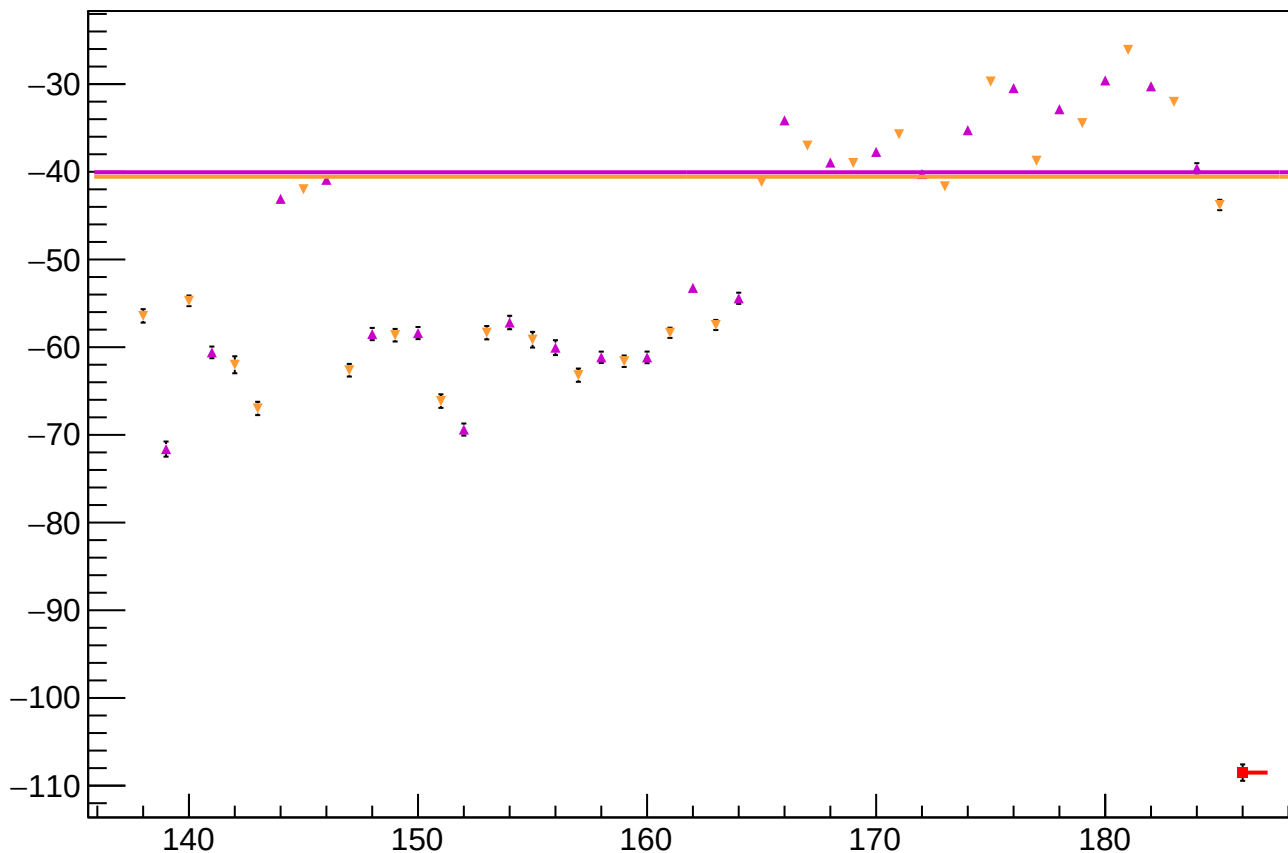
Left In: 6.914 $\pm$ 0.078 χ^2 /NDF:2428.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 6.951 $\pm$ 0.055 χ^2 /NDF: 5192.2/48

- sign 6.873 $\pm$ 0.078 χ^2 /NDF: 2524.9/23

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -40.563+/-0.095 χ^2/NDF :15637.6/24

Right Out: -108.510+/-0.936 χ^2/NDF : 0.0/0

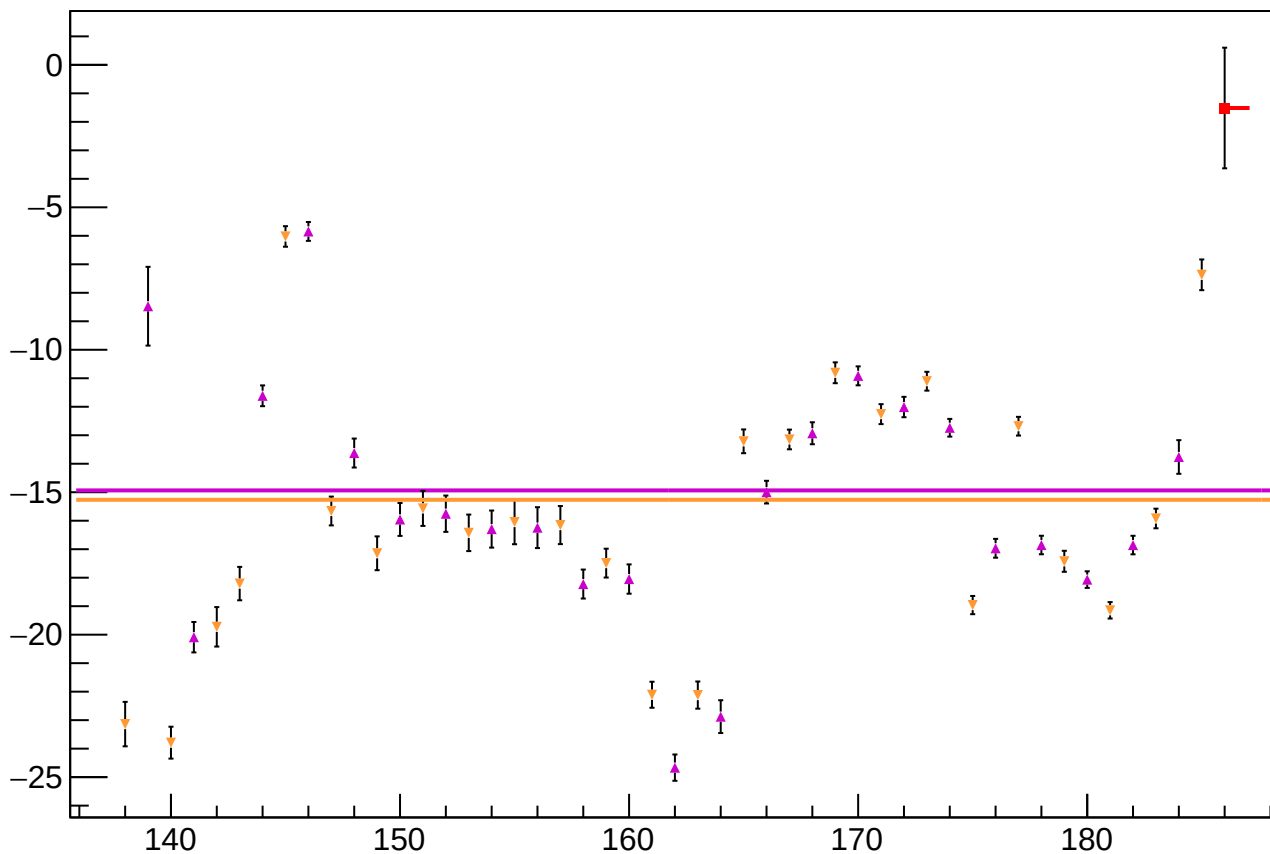
Left In: -40.053+/-0.096 χ^2/NDF :13927.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -40.662+/-0.067 χ^2/NDF : 34865.0/48

- sign -40.761+/-0.095 χ^2/NDF : 19225.3/23

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -15.266 $\pm$ 0.086 χ^2 /NDF:2595.5/24

Right Out: -1.514 $\pm$ 2.118 χ^2 /NDF: 0.0/0

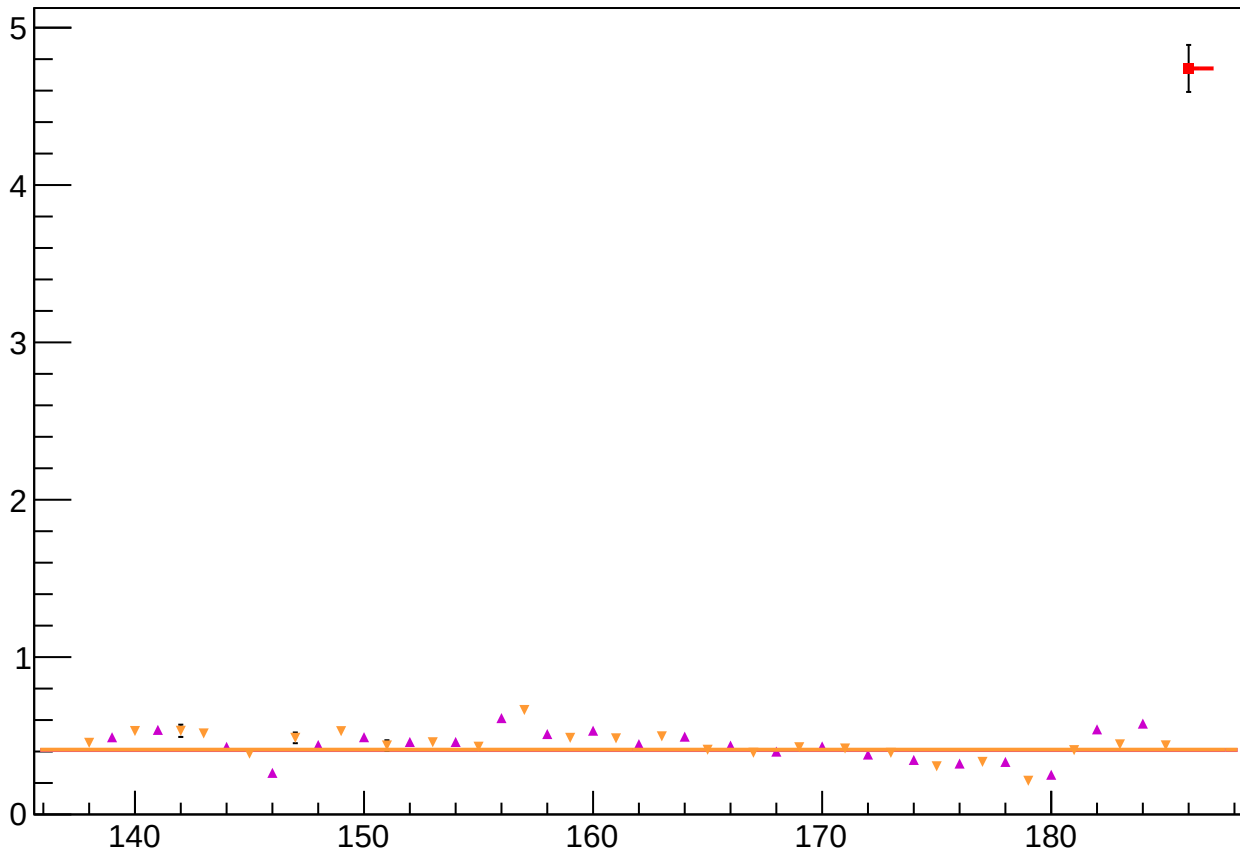
Left In: -14.936 $\pm$ 0.087 χ^2 /NDF:2199.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -15.091 $\pm$ 0.061 χ^2 /NDF: 4843.6/48

- sign -14.914 $\pm$ 0.087 χ^2 /NDF: 2239.8/23

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.411+/-0.004 χ^2/NDF : 428.7/24

Right Out: 4.741+/-0.149 χ^2/NDF : 0.0/0

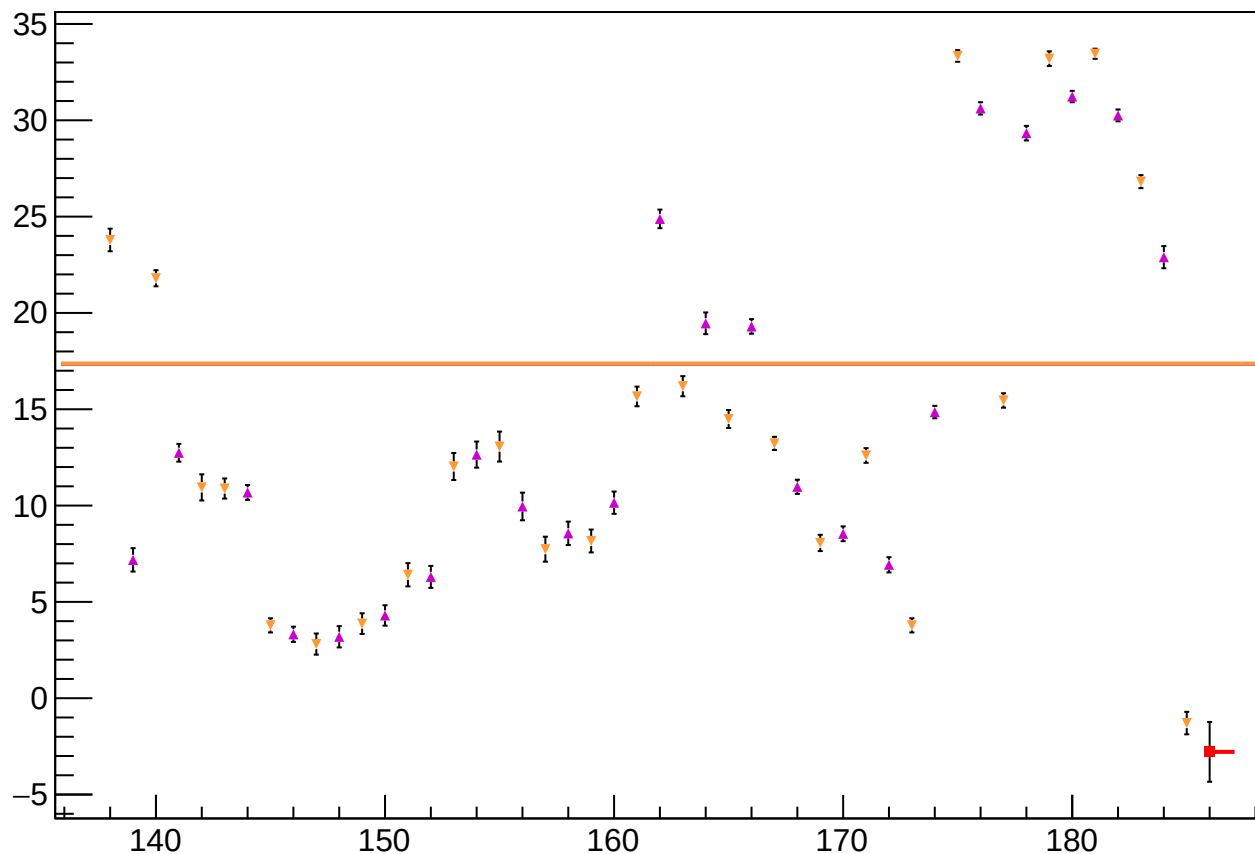
Left In: 0.409+/-0.004 χ^2/NDF : 557.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.412+/-0.003 χ^2/NDF : 1826.9/48

- sign 0.413+/-0.004 χ^2/NDF : 1398.1/23

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 17.367 $\pm$ 0.087 χ^2 /NDF:16337.6/24

Right Out: -2.785 $\pm$ 1.554 χ^2 /NDF: 0.0/0

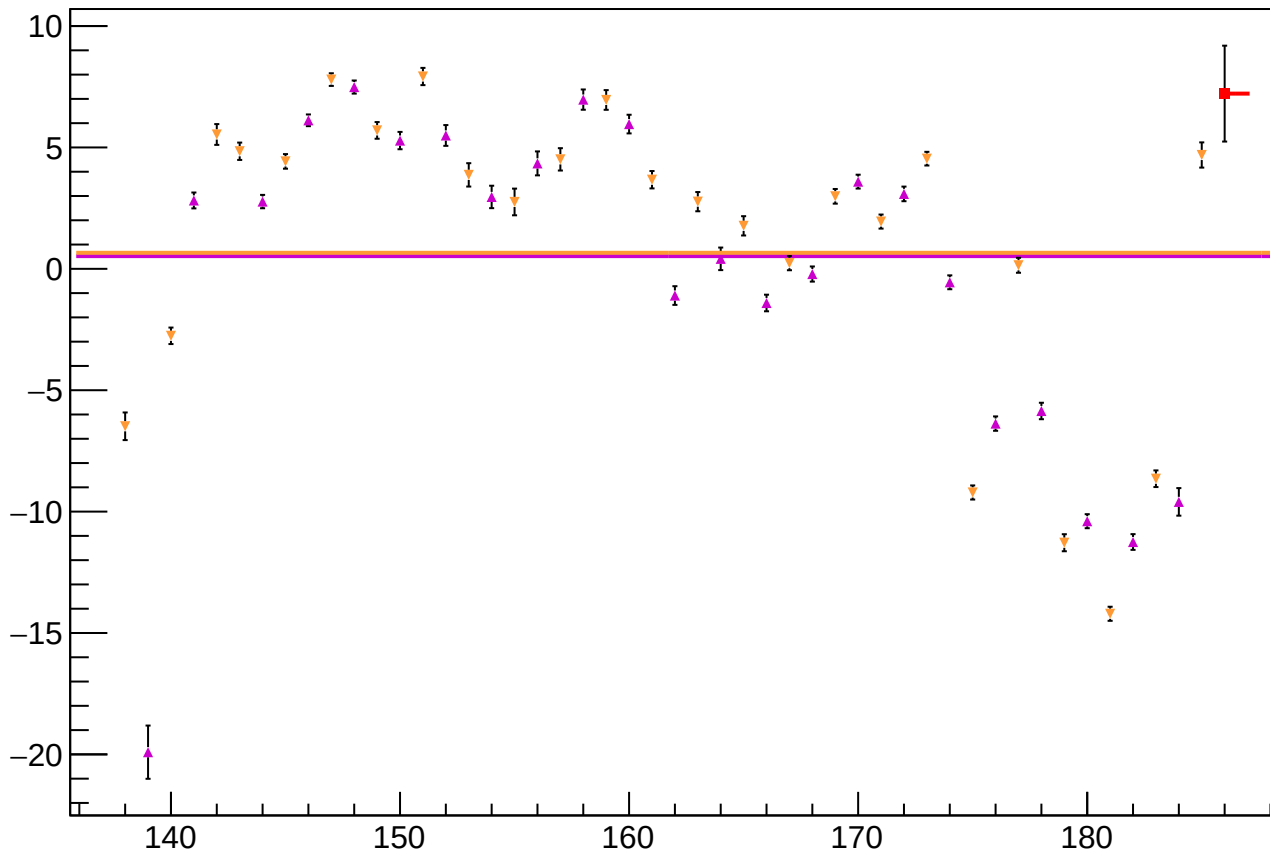
Left In: 17.355 $\pm$ 0.089 χ^2 /NDF:12745.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 17.329 $\pm$ 0.062 χ^2 /NDF: 29250.7/48

- sign 17.289 $\pm$ 0.089 χ^2 /NDF: 12912.6/23

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.661 $\pm$ 0.069 χ^2 /NDF:8553.9/24

Right Out: 7.217 $\pm$ 1.975 χ^2 /NDF: 0.0/0

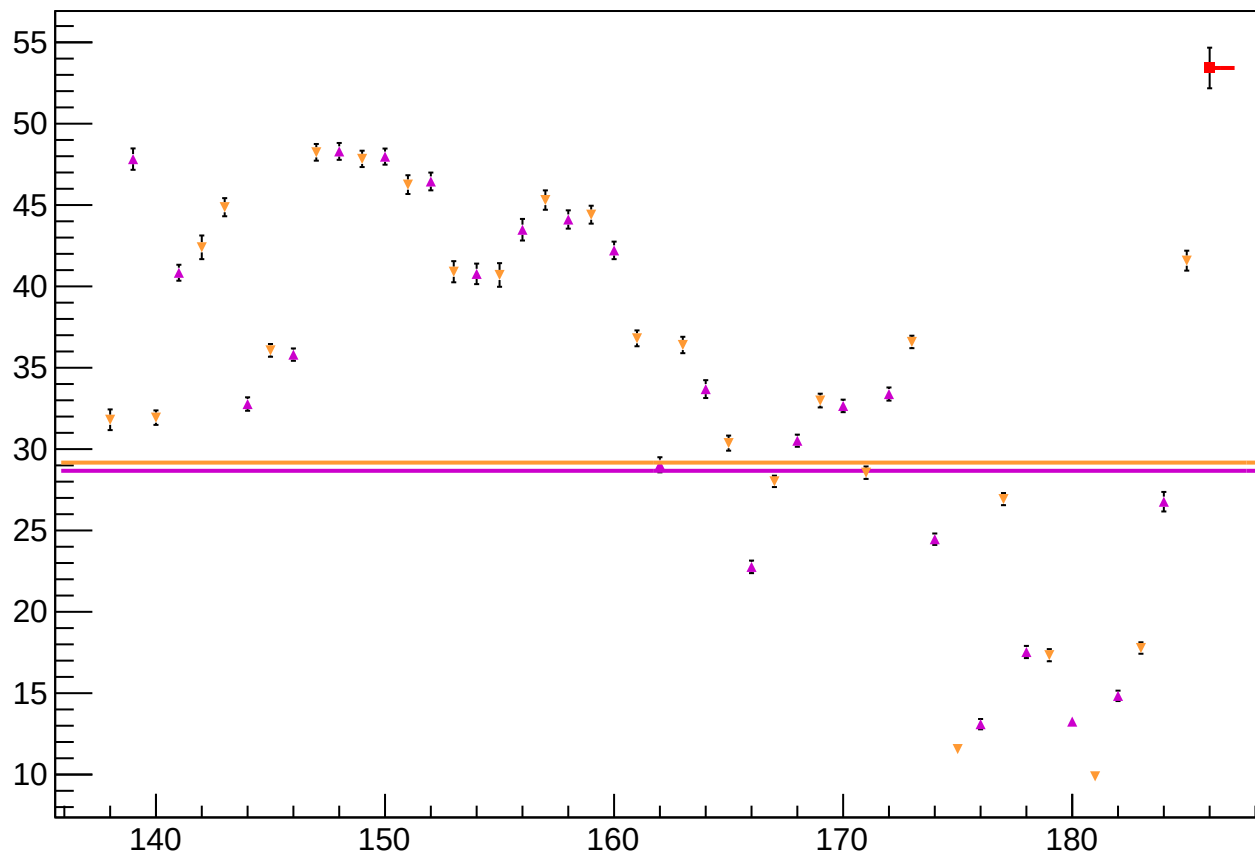
Left In: 0.524 $\pm$ 0.071 χ^2 /NDF:6729.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.598 $\pm$ 0.050 χ^2 /NDF: 15296.7/48

- sign 0.532 $\pm$ 0.071 χ^2 /NDF: 6741.2/23

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24

Right Out: 53.423 $\pm$ 1.248 χ^2 /NDF: 0.0/0

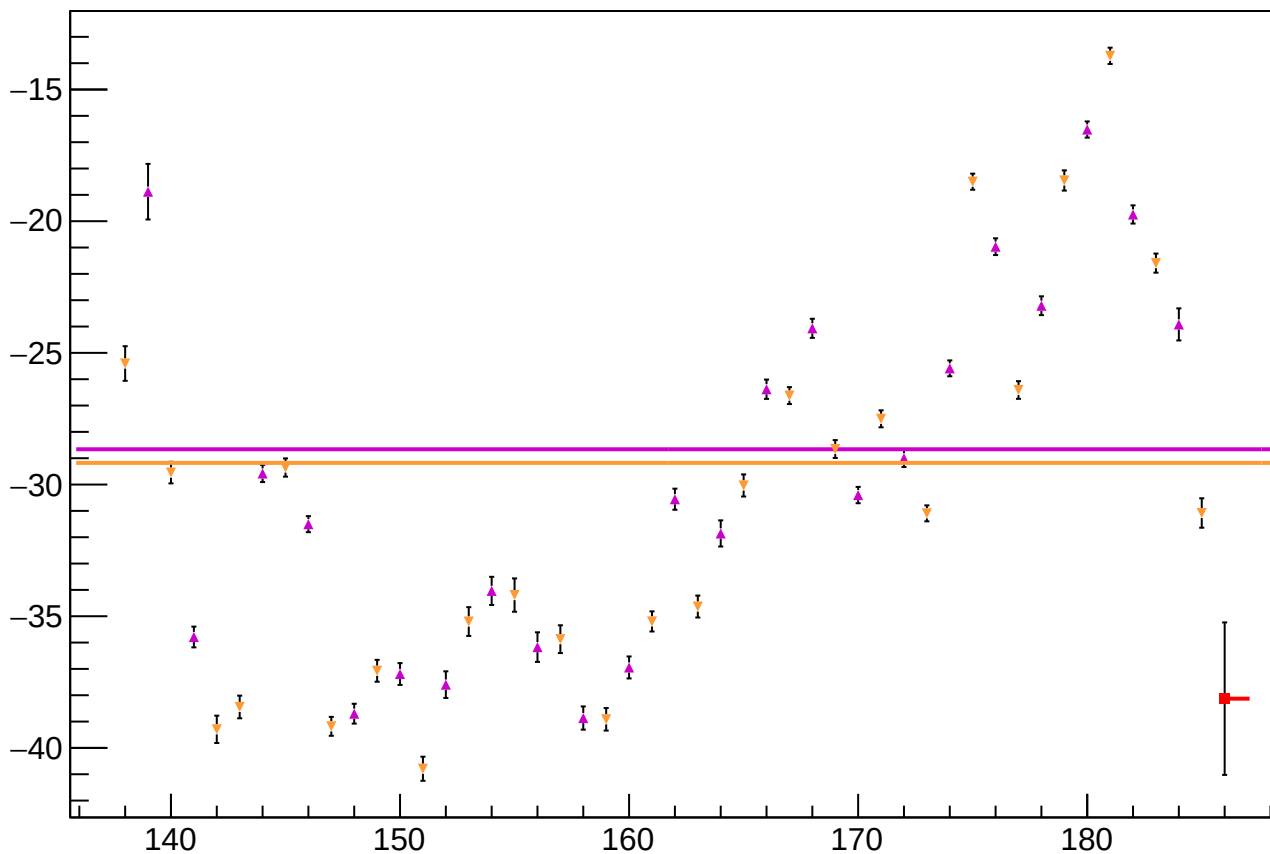
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 28.984 $\pm$ 0.062 χ^2 /NDF: 36222.5/48

- sign 28.793 $\pm$ 0.089 χ^2 /NDF: 17238.6/23

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -29.178 $\pm$ 0.078 χ^2 /NDF: 9081.4/24

Right Out: -38.130 $\pm$ 2.895 χ^2 /NDF: 0.0/0

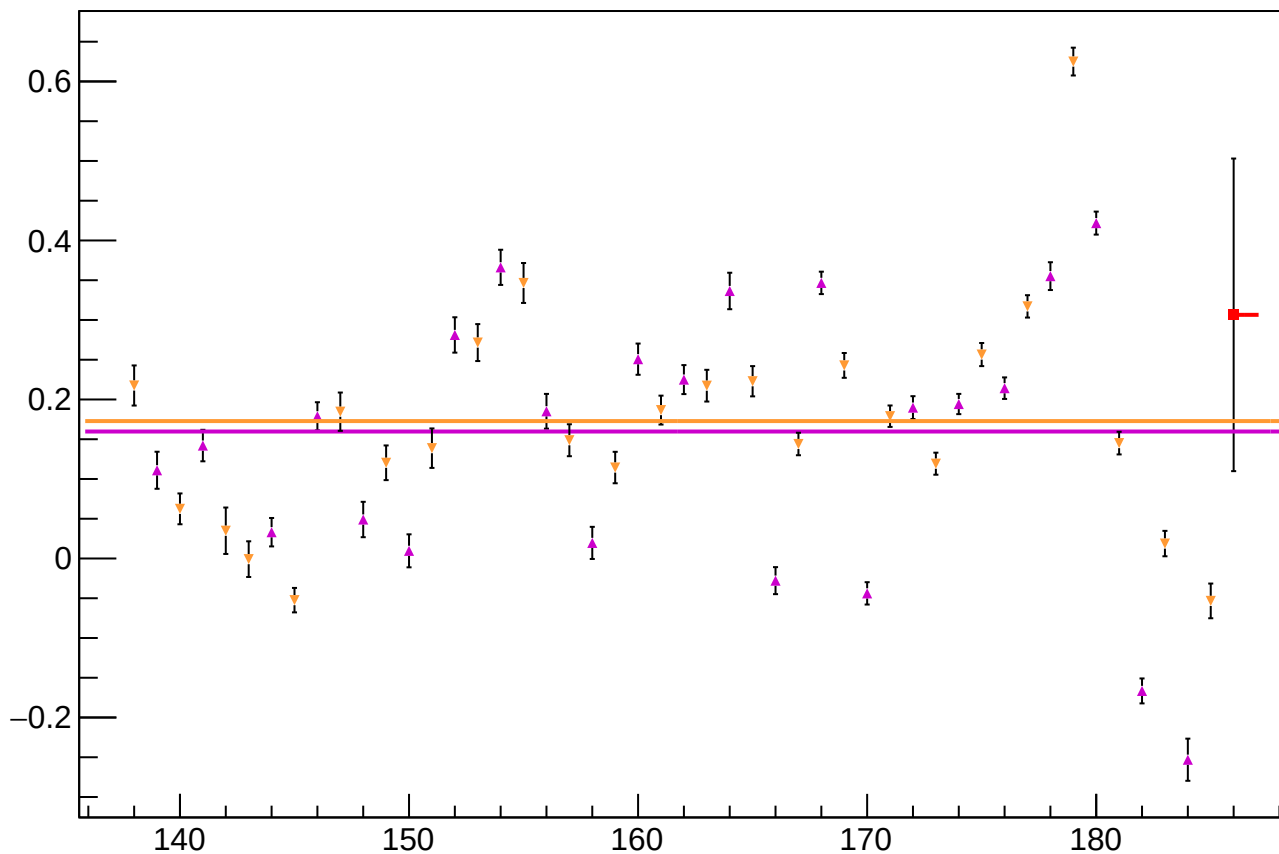
Left In: -28.660 $\pm$ 0.080 χ^2 /NDF: 6670.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -28.928 $\pm$ 0.056 χ^2 /NDF: 15783.1/48

- sign -28.667 $\pm$ 0.080 χ^2 /NDF: 6680.8/23

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.173 $\pm$ 0.004 χ^2 /NDF:1478.5/24

Right Out: 0.306 $\pm$ 0.197 χ^2 /NDF: 0.0/0

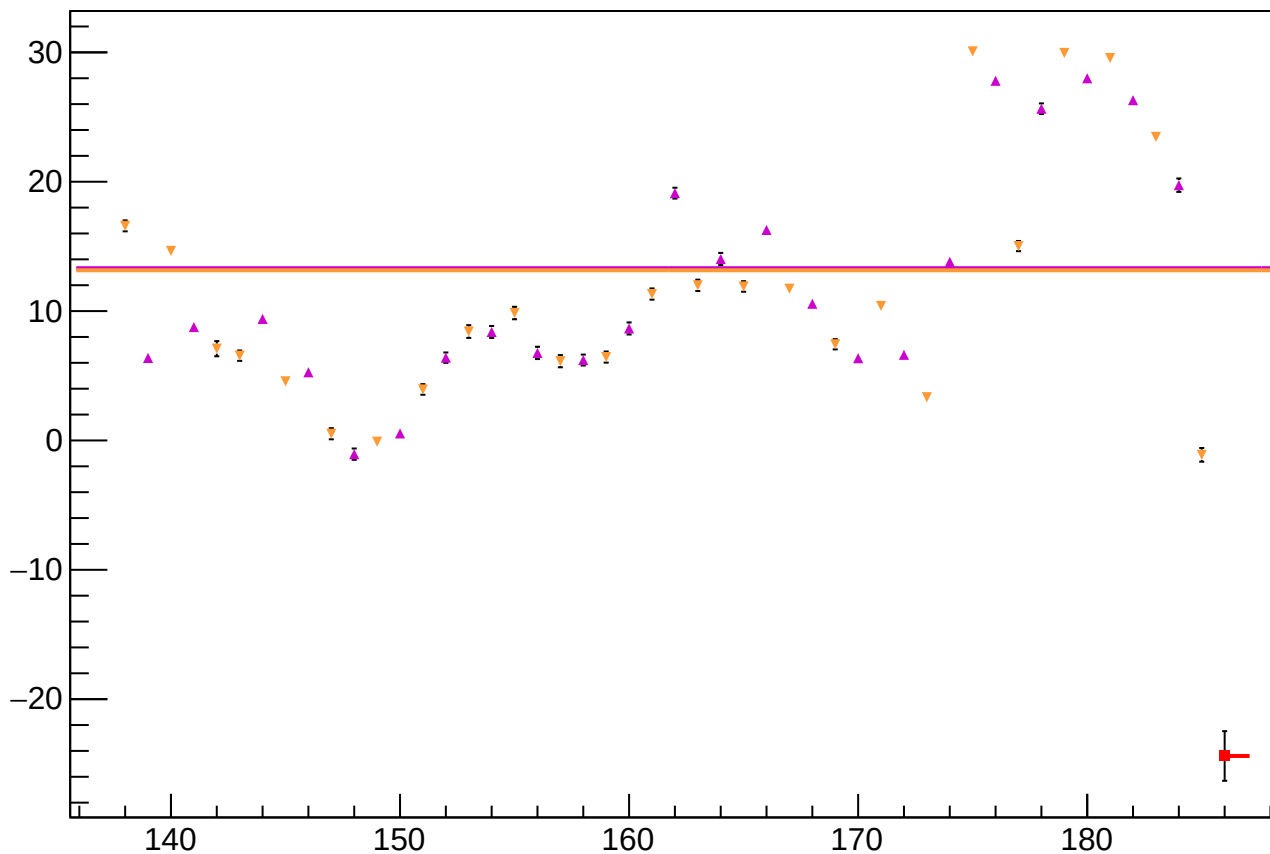
Left In: 0.160 $\pm$ 0.004 χ^2 /NDF:2057.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.166 $\pm$ 0.003 χ^2 /NDF: 3543.4/48

- sign 0.160 $\pm$ 0.004 χ^2 /NDF: 2058.5/23

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 13.153 $\pm$ 0.075 χ^2 /NDF:17079.7/24

Right Out: -24.391 $\pm$ 1.919 χ^2 /NDF: 0.0/0

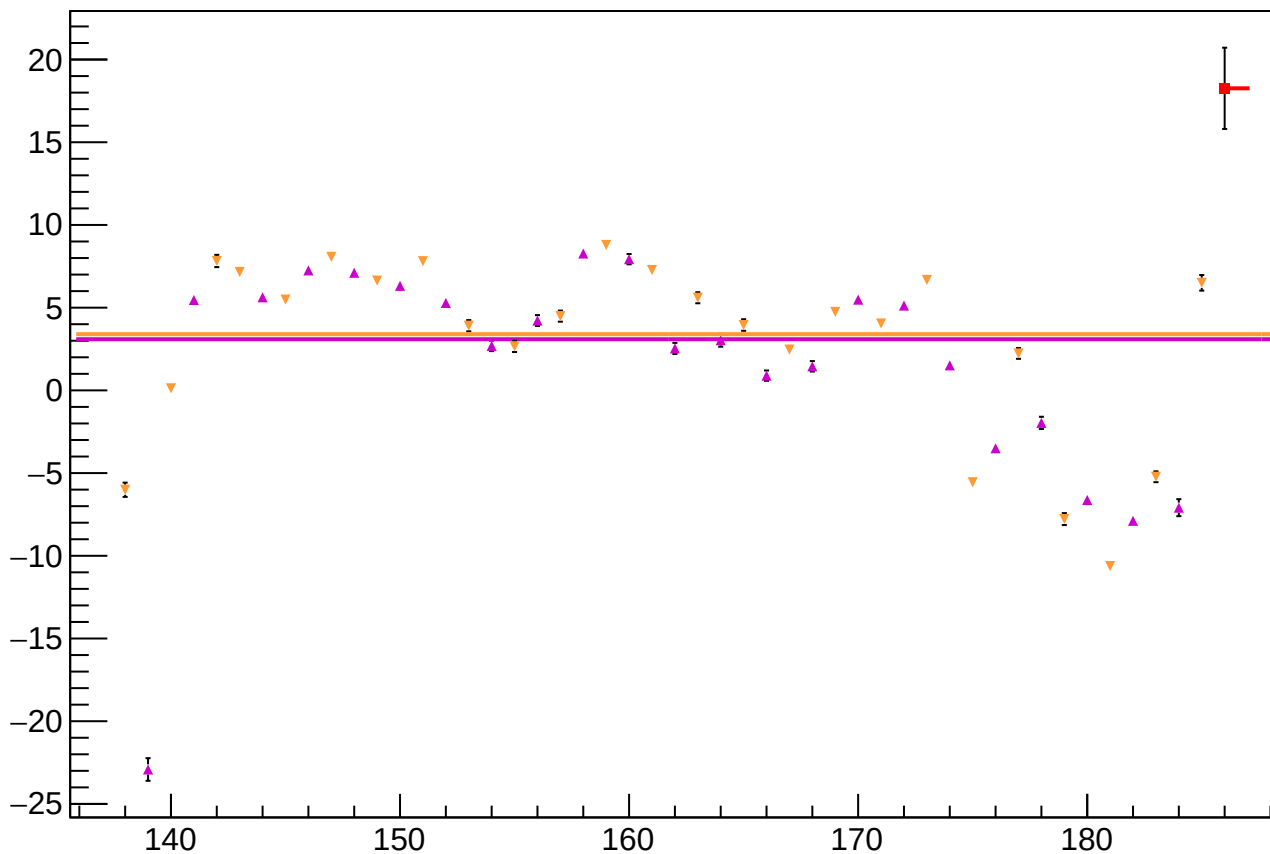
Left In: 13.315 $\pm$ 0.077 χ^2 /NDF:13977.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 13.203 $\pm$ 0.054 χ^2 /NDF: 31443.6/48

- sign 13.254 $\pm$ 0.077 χ^2 /NDF: 14363.0/23

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 3.396 $\pm$ 0.058 χ^2 /NDF:8101.5/24

Right Out: 18.260 $\pm$ 2.457 χ^2 /NDF: 0.0/0

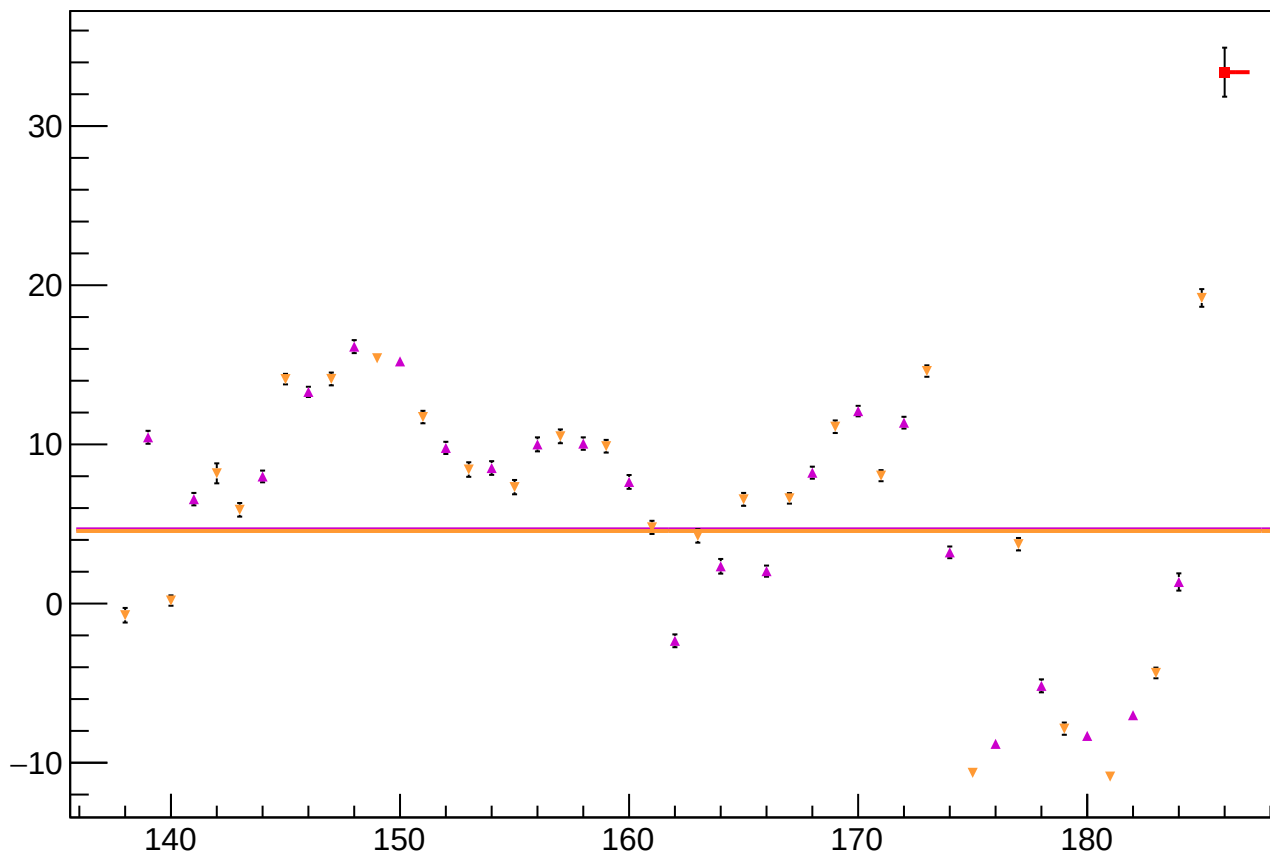
Left In: 3.092 $\pm$ 0.061 χ^2 /NDF:7104.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 3.254 $\pm$ 0.042 χ^2 /NDF: 15256.2/48

- sign 3.101 $\pm$ 0.061 χ^2 /NDF: 7142.5/23

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 33.385 $\pm$ 1.540 χ^2 /NDF: 0.0/0

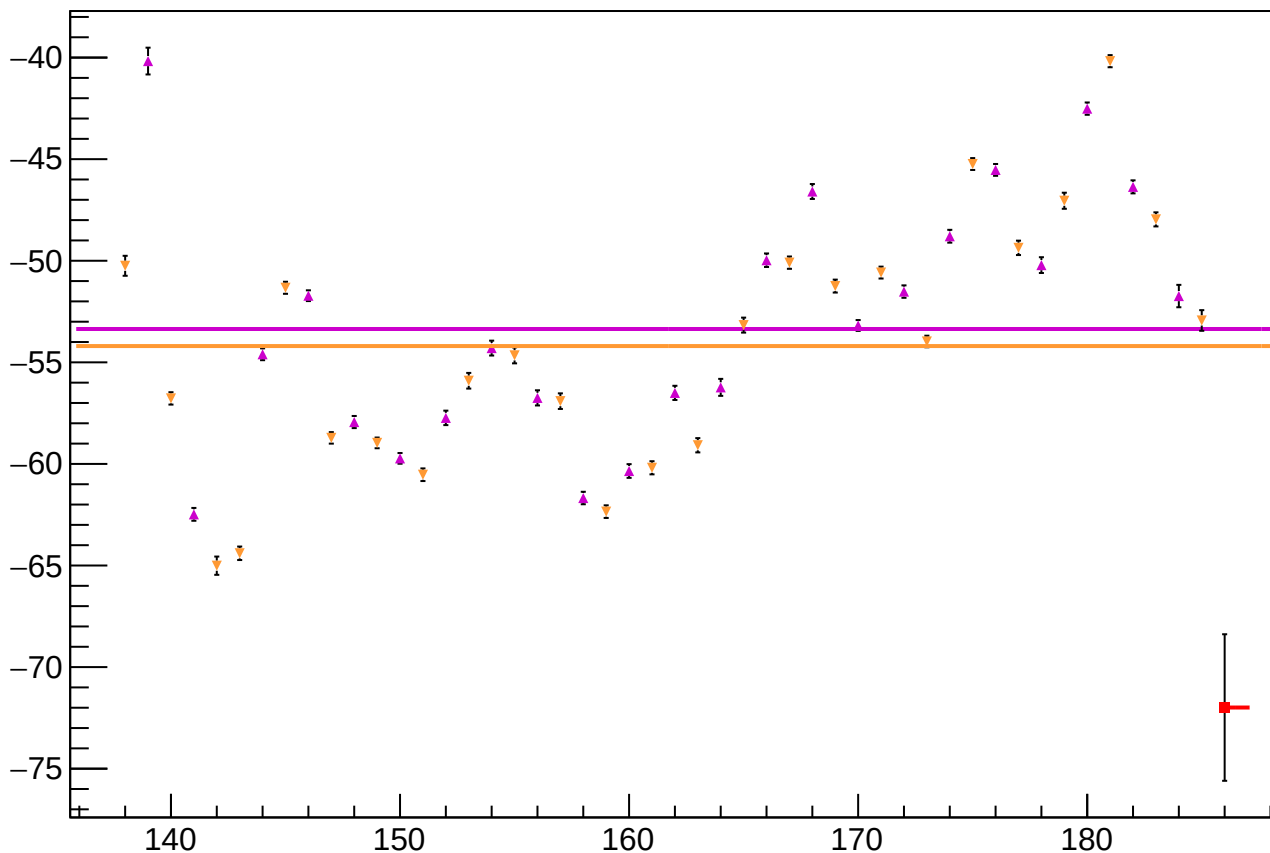
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 4.645 $\pm$ 0.054 χ^2 /NDF: 25223.1/48

- sign 4.733 $\pm$ 0.077 χ^2 /NDF: 11628.5/23

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -54.199+/-0.066 χ^2/NDF : 8454.7/24

Right Out: -71.990+/-3.606 χ^2/NDF : 0.0/0

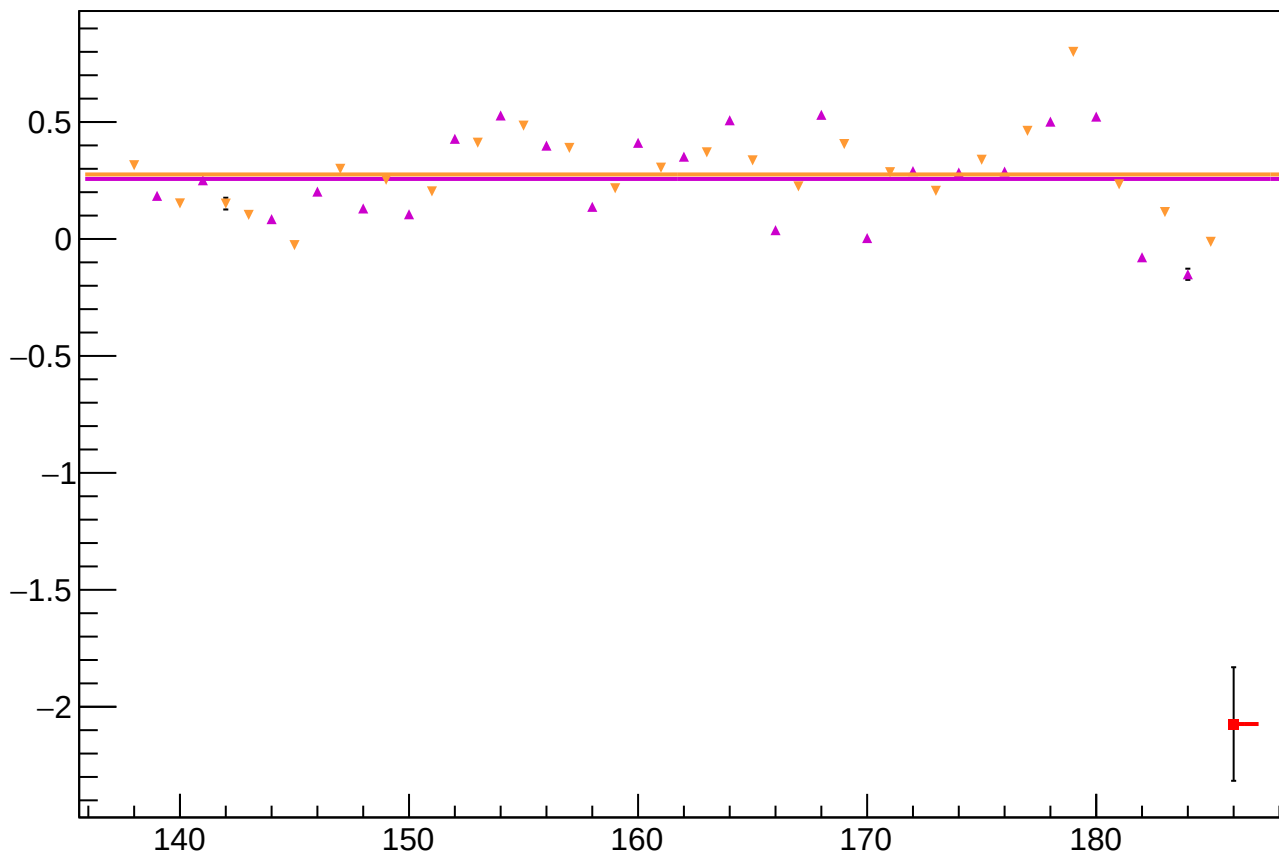
Left In: -53.359+/-0.068 χ^2/NDF : 6882.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -53.795+/-0.048 χ^2/NDF : 15439.8/48

- sign -53.366+/-0.068 χ^2/NDF : 6908.7/23

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.276 $\pm$ 0.003 χ^2 /NDF:2623.6/24

Right Out: -2.074 $\pm$ 0.243 χ^2 /NDF: 0.0/0

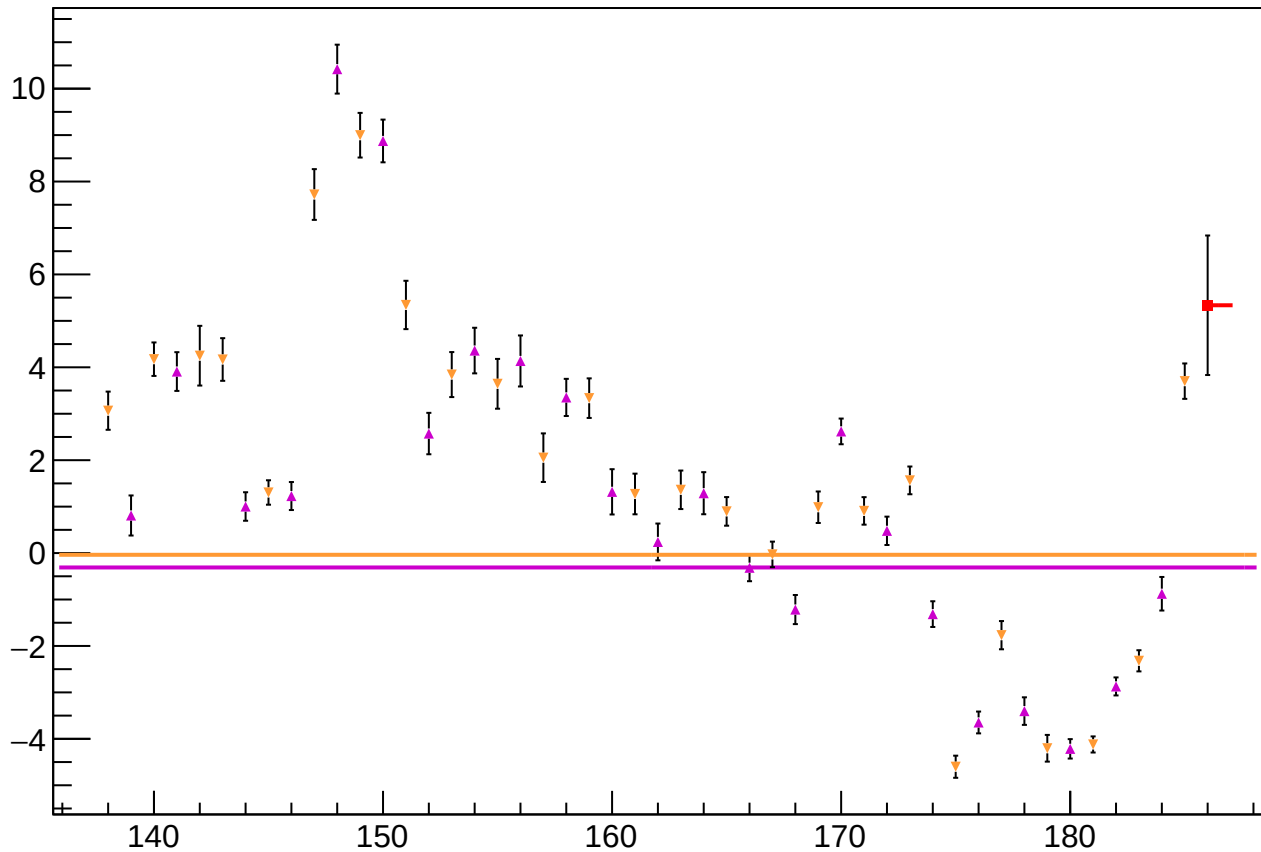
Left In: 0.257 $\pm$ 0.003 χ^2 /NDF:3623.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.266 $\pm$ 0.002 χ^2 /NDF: 6359.9/48

- sign 0.256 $\pm$ 0.003 χ^2 /NDF: 3716.0/23

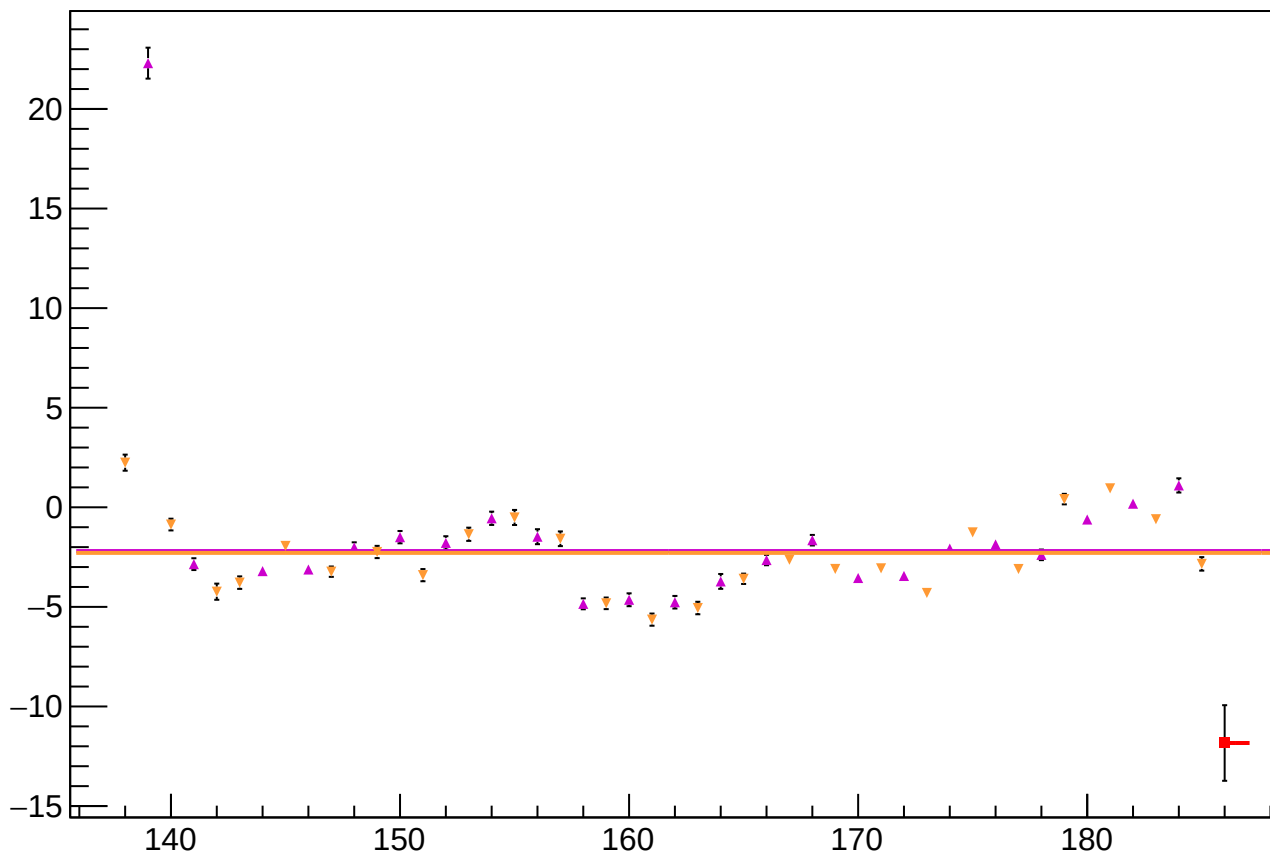
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.037 $\pm$ 0.066 χ^2 /NDF: 2637.7/24
 Right Out: 5.336 $\pm$ 1.502 χ^2 /NDF: 0.0/0
 Left In: -0.310 $\pm$ 0.067 χ^2 /NDF: 2250.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.166 $\pm$ 0.047 χ^2 /NDF: 4909.9/48
 - sign -0.299 $\pm$ 0.067 χ^2 /NDF: 2264.6/23

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -2.288 $\pm$ 0.054 χ^2 /NDF:1137.7/24

Right Out: -11.834 $\pm$ 1.898 χ^2 /NDF: 0.0/0

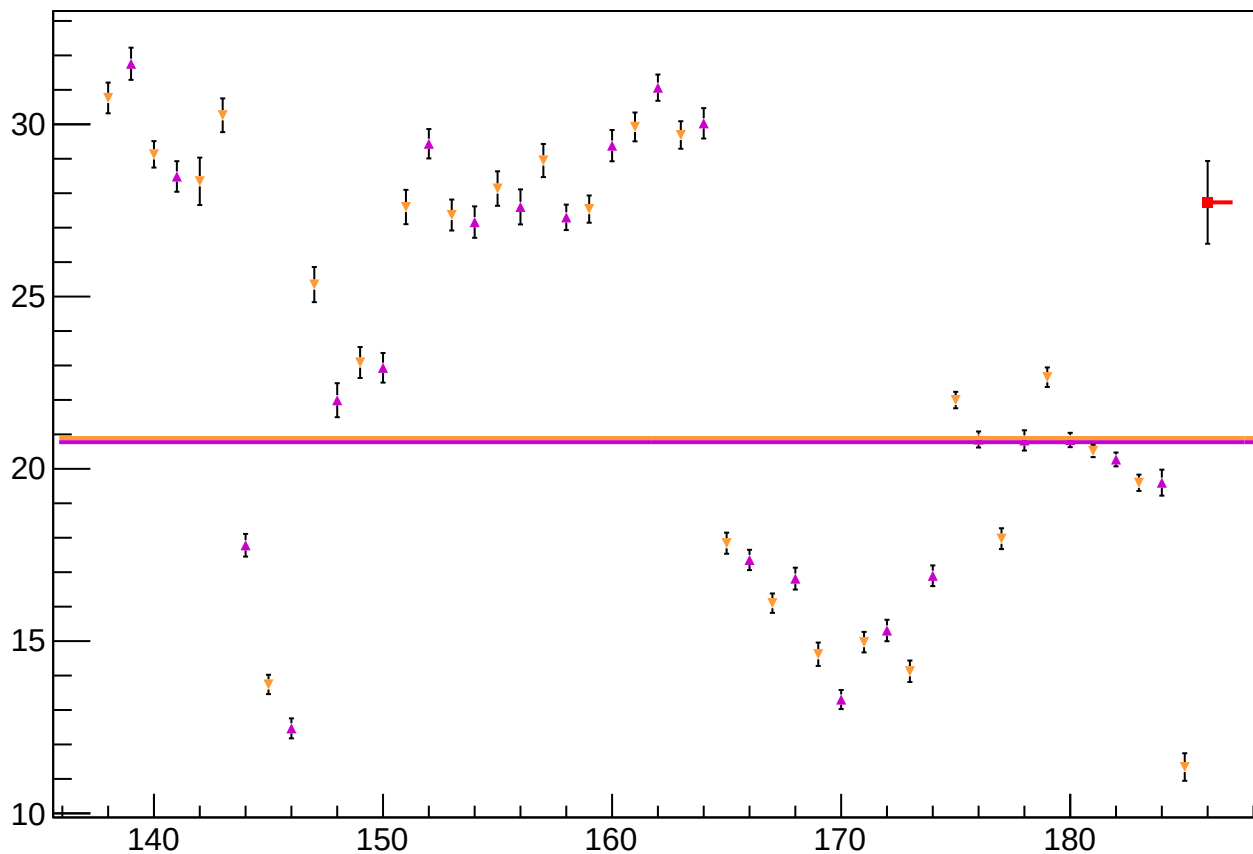
Left In: -2.198 $\pm$ 0.055 χ^2 /NDF:1673.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -2.248 $\pm$ 0.039 χ^2 /NDF: 2838.5/48

- sign -2.206 $\pm$ 0.055 χ^2 /NDF: 1699.6/23

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF:6655.4/24

Right Out: 27.735 $\pm$ 1.202 χ^2 /NDF: 0.0/0

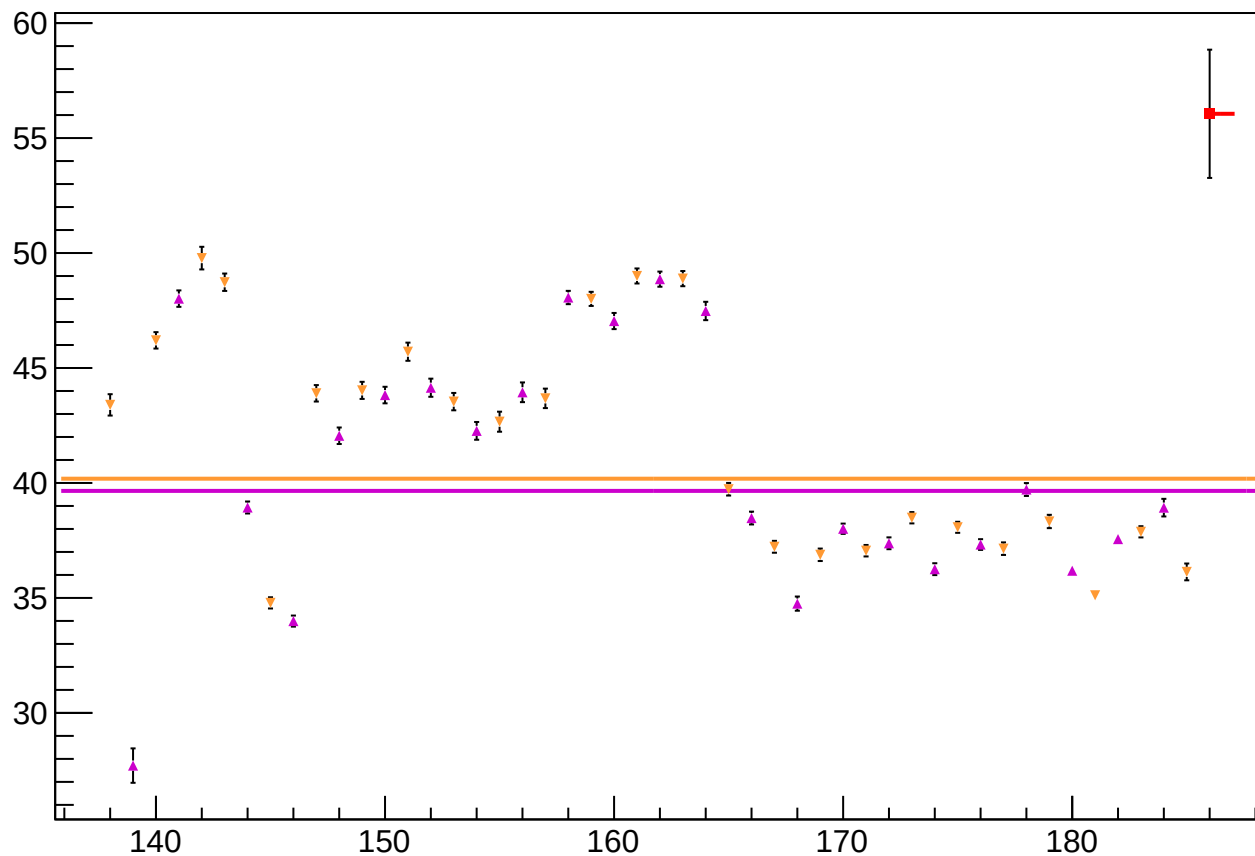
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF:5927.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 20.846 $\pm$ 0.047 χ^2 /NDF: 12617.7/48

- sign 20.796 $\pm$ 0.067 χ^2 /NDF: 5961.3/23

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 40.186 $\pm$ 0.060 χ^2 /NDF: 5932.7/24

Right Out: 56.055 $\pm$ 2.789 χ^2 /NDF: 0.0/0

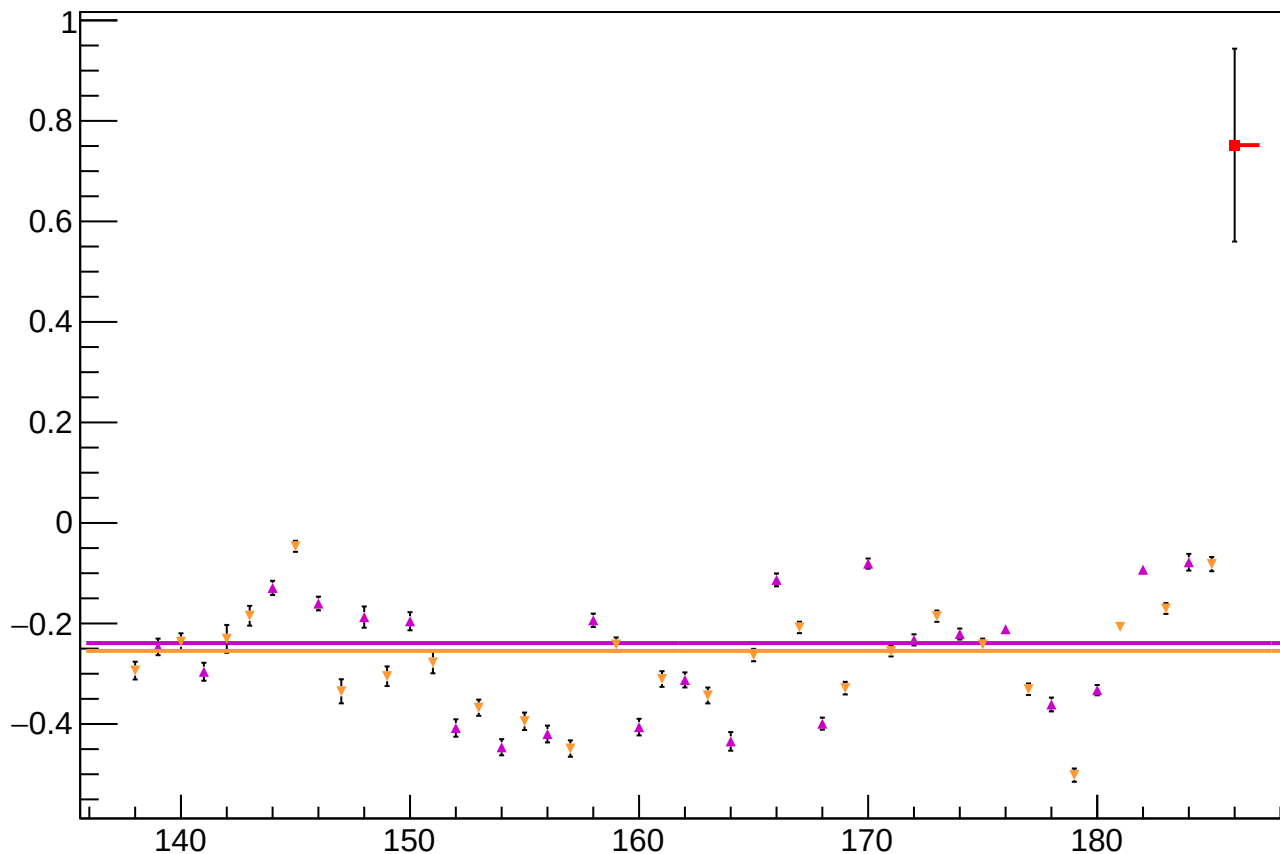
Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 39.929 $\pm$ 0.043 χ^2 /NDF: 11302.7/48

- sign 39.663 $\pm$ 0.061 χ^2 /NDF: 5333.1/23

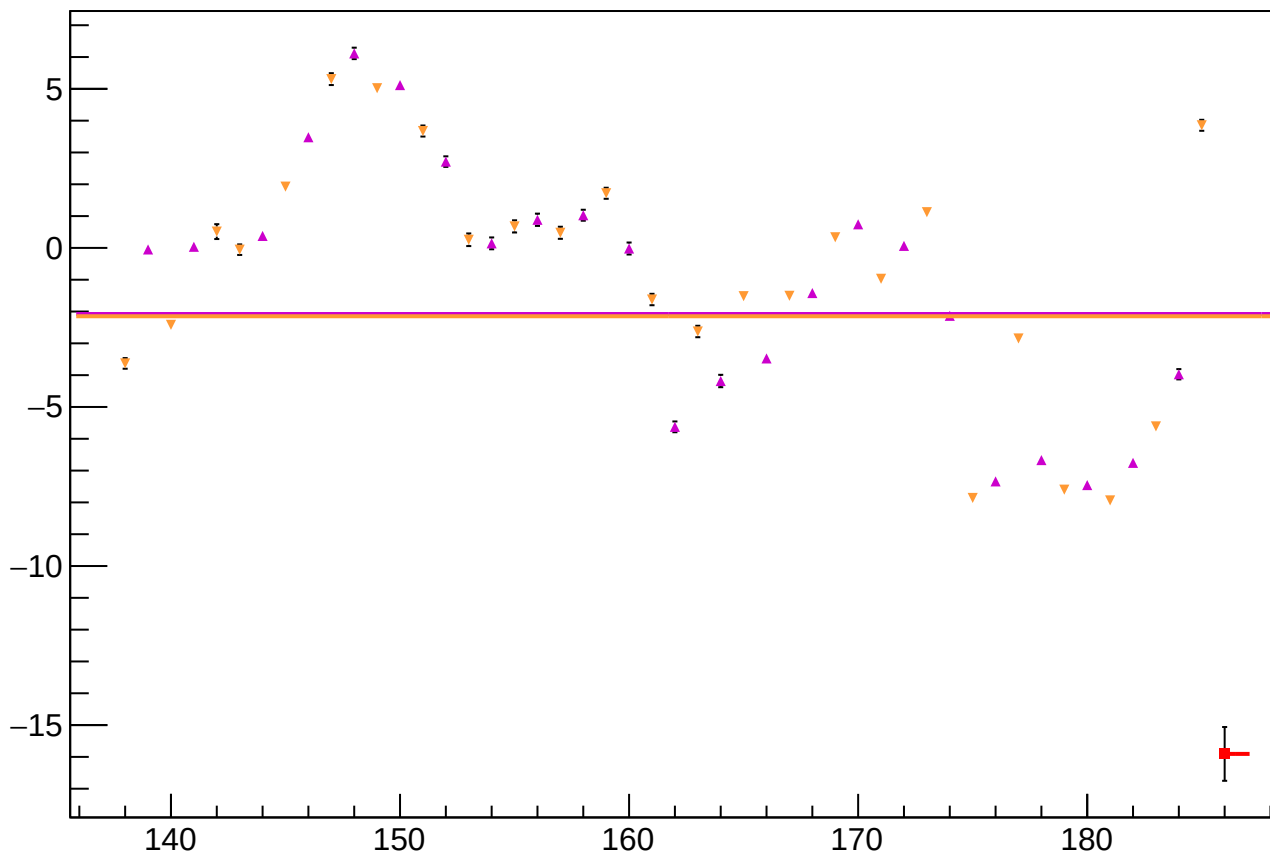
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.255 $\pm$ 0.003 χ^2 /NDF: 1420.4/24
 Right Out: 0.752 $\pm$ 0.192 χ^2 /NDF: 0.0/0
 Left In: -0.239 $\pm$ 0.003 χ^2 /NDF: 1750.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.247 $\pm$ 0.002 χ^2 /NDF: 3213.8/48
 - sign -0.239 $\pm$ 0.003 χ^2 /NDF: 1777.1/23

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2.149+/-0.026 χ^2/NDF : 24536.3/24

Right Out: -15.906+/-0.845 χ^2/NDF : 0.0/0

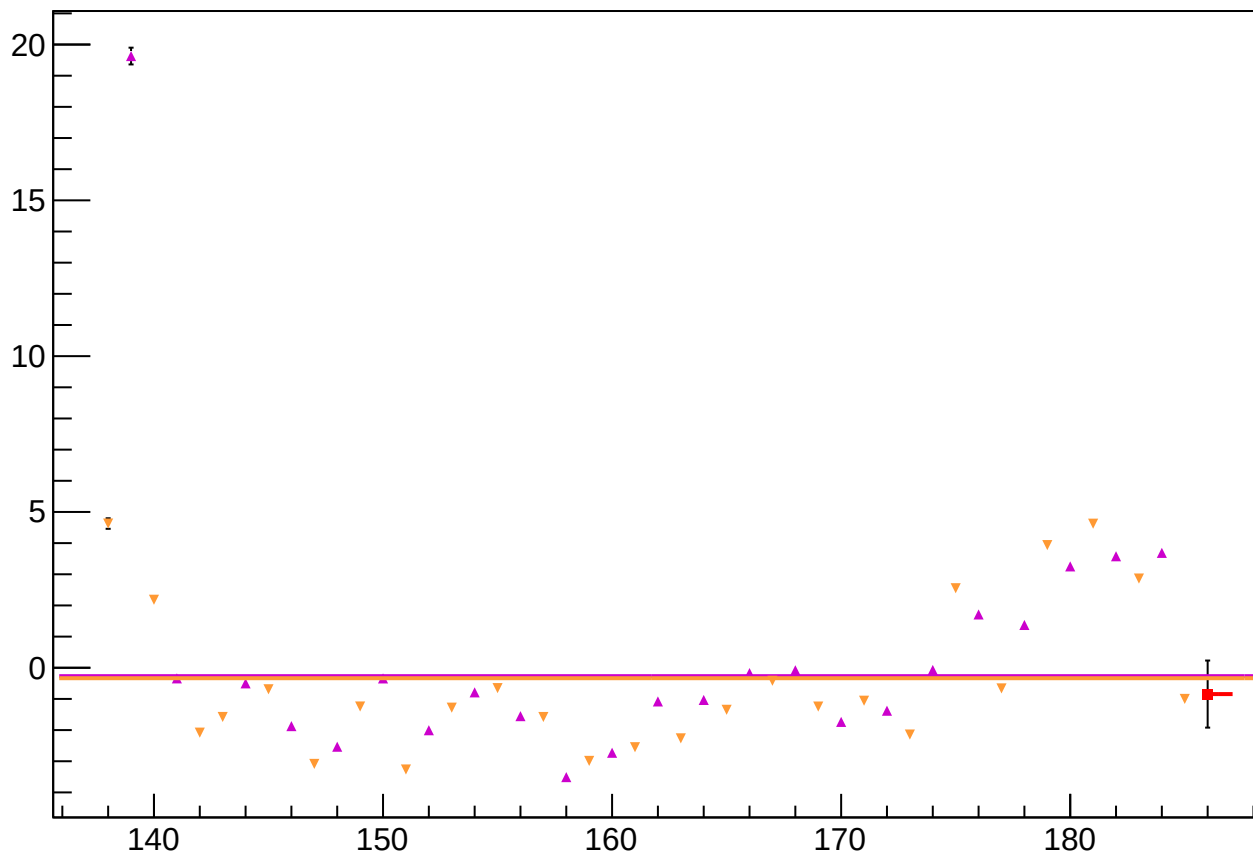
Left In: -2.078+/-0.026 χ^2/NDF : 23245.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2.120+/-0.018 χ^2/NDF : 48051.9/48

- sign -2.091+/-0.026 χ^2/NDF : 23513.1/23

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.335+/-0.021 χ^2/NDF : 12596.1/24

Right Out: -0.845+/-1.076 χ^2/NDF : 0.0/0

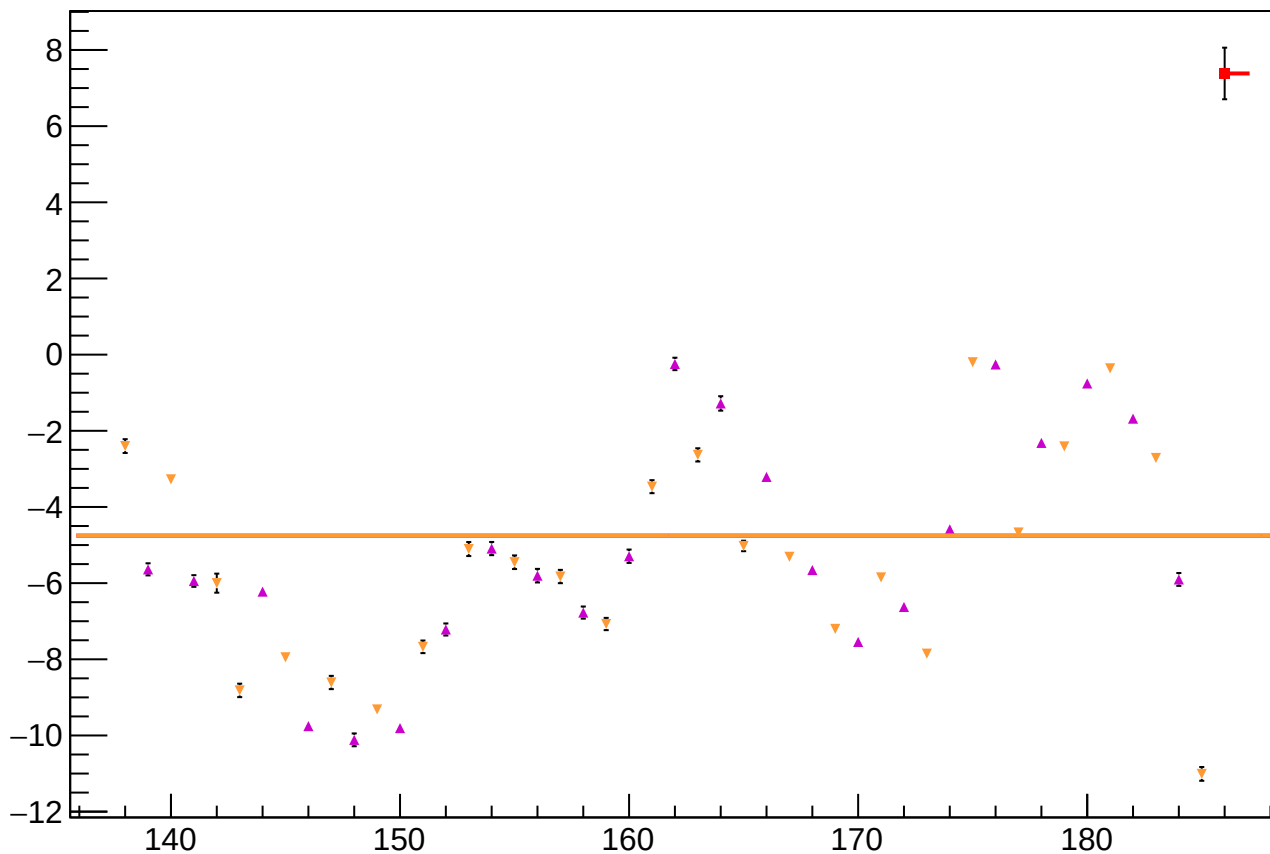
Left In: -0.269+/-0.021 χ^2/NDF : 13323.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.303+/-0.015 χ^2/NDF : 25924.4/48

- sign -0.270+/-0.021 χ^2/NDF : 13323.3/23

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: 7.383 ± 0.677 χ^2/NDF : 0.0/0

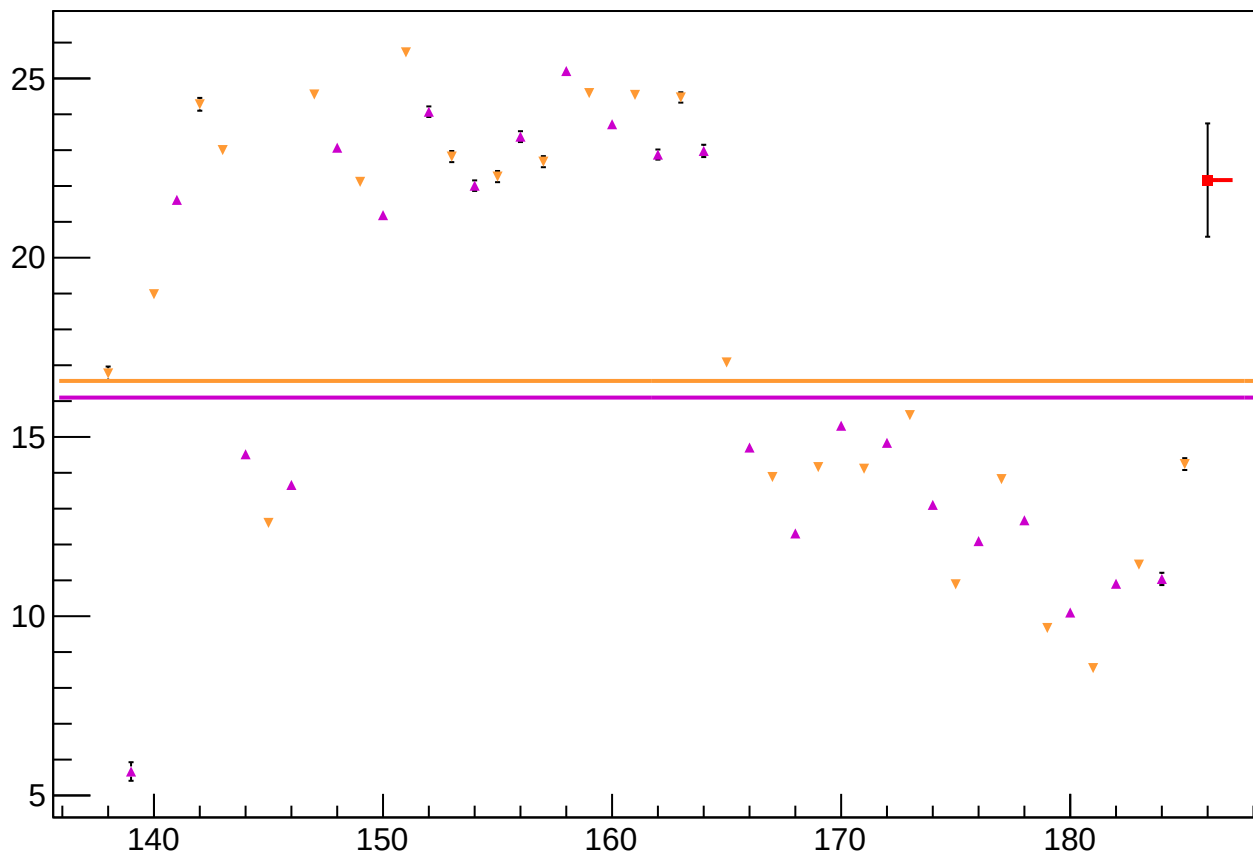
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -4.742 ± 0.018 χ^2/NDF : 27729.7/48

- sign -4.735 ± 0.026 χ^2/NDF : 14439.8/23

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 16.563 $\pm$ 0.023 χ^2 /NDF: 53858.5/24

Right Out: 22.165 $\pm$ 1.581 χ^2 /NDF: 0.0/0

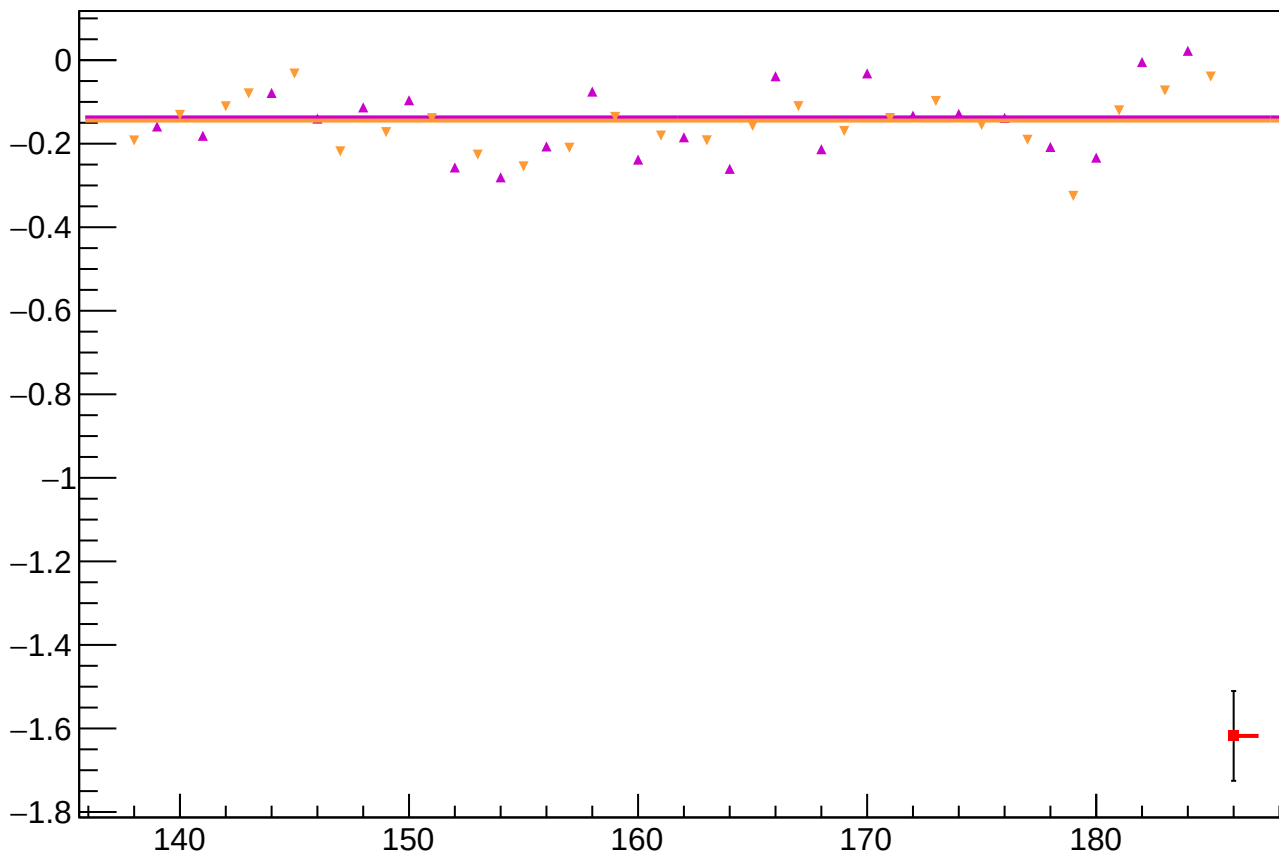
Left In: 16.098 $\pm$ 0.024 χ^2 /NDF: 42345.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 16.335 $\pm$ 0.017 χ^2 /NDF: 96415.5/48

- sign 16.100 $\pm$ 0.024 χ^2 /NDF: 42360.4/23

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.145 $\pm$ 0.001 χ^2 /NDF: 3769.7/24

Right Out: -1.618 $\pm$ 0.107 χ^2 /NDF: 0.0/0

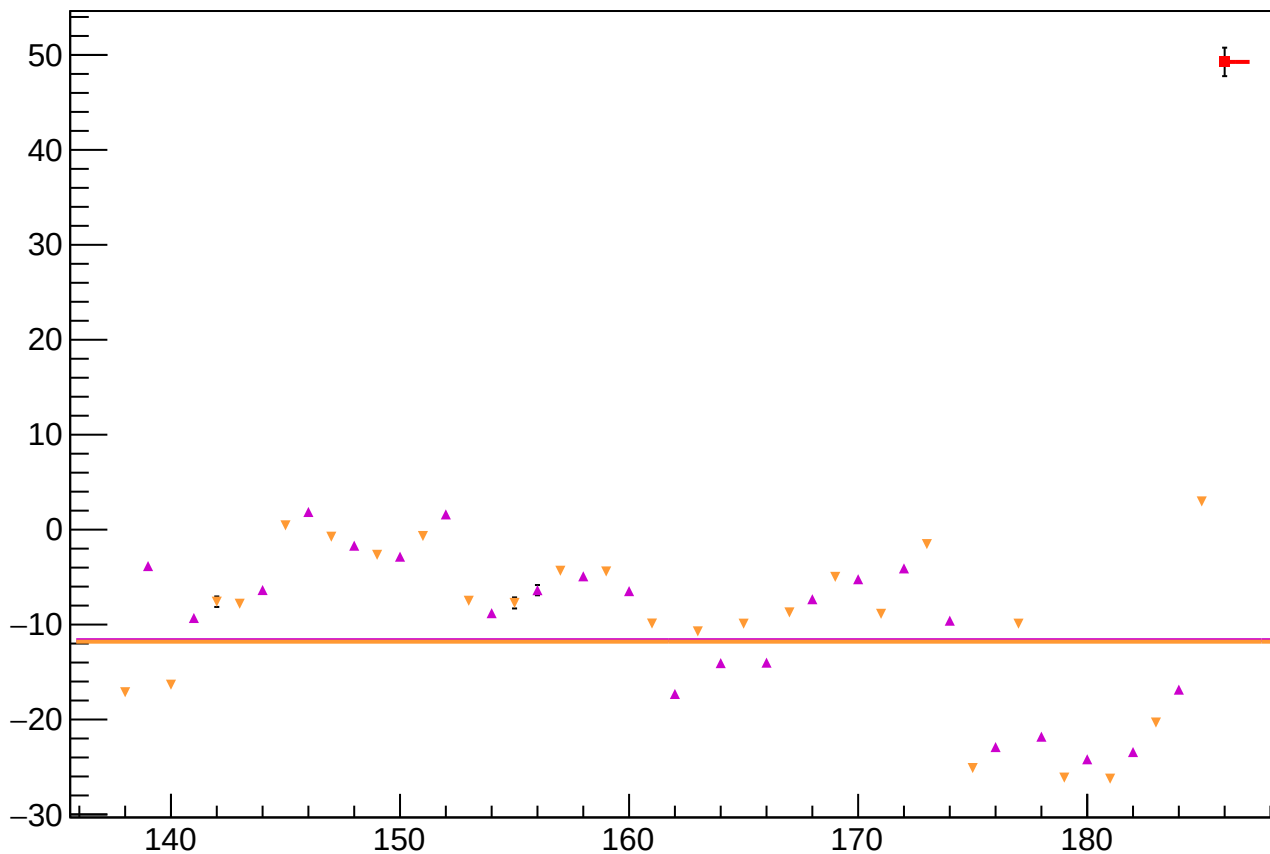
Left In: -0.137 $\pm$ 0.001 χ^2 /NDF: 5392.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -0.141 $\pm$ 0.001 χ^2 /NDF: 9376.5/48

- sign -0.137 $\pm$ 0.001 χ^2 /NDF: 5582.5/23

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -11.801+/-0.070 χ^2/NDF : 17308.2/24

Right Out: 49.267+/-1.500 χ^2/NDF : 0.0/0

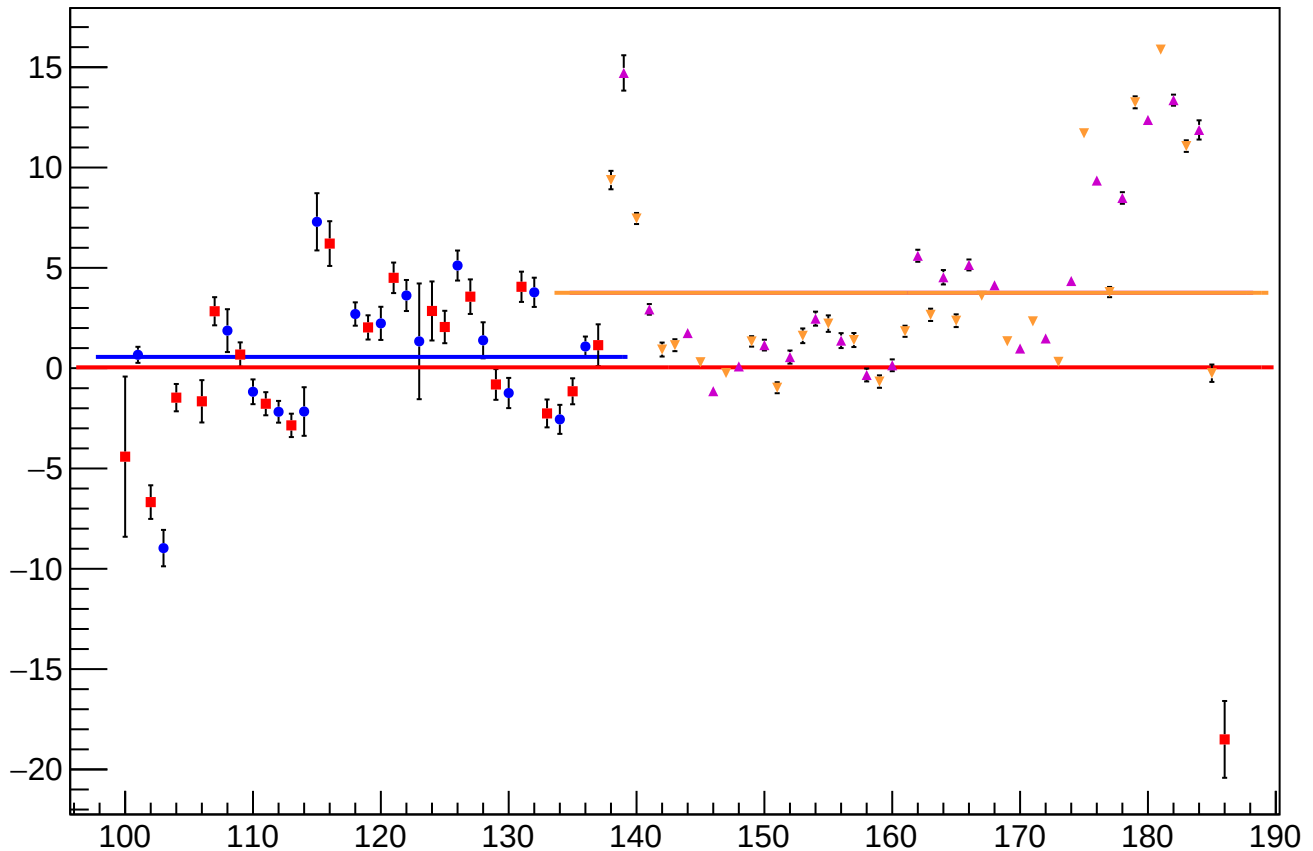
Left In: -11.642+/-0.072 χ^2/NDF : 14121.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.655+/-0.050 χ^2/NDF : 33083.9/48

- sign -11.503+/-0.071 χ^2/NDF : 15766.8/23

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.561 $\pm$ 0.170 χ^2 /NDF: 288.7/16

Left Out: 3.757 $\pm$ 0.056 χ^2 /NDF: 7450.7/24

Right Out: 0.041 $\pm$ 0.174 χ^2 /NDF: 365.8/19

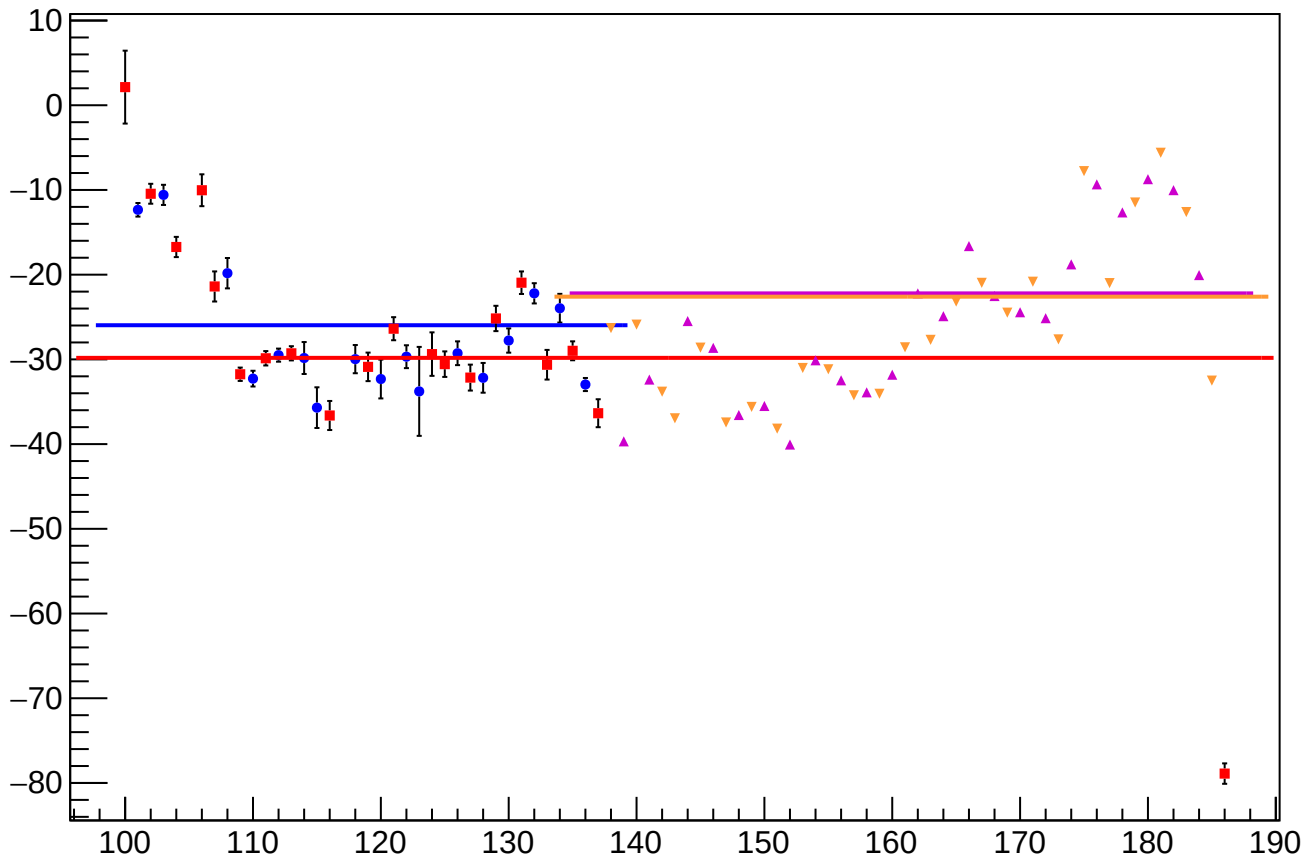
Left In: 3.757 $\pm$ 0.057 χ^2 /NDF: 5629.4/22

+ sign 3.450 $\pm$ 0.053 χ^2 /NDF: 8057.2/41

All: 3.426 $\pm$ 0.038 χ^2 /NDF: 14464.6/84

- sign 3.402 $\pm$ 0.054 χ^2 /NDF: 6407.0/42

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.968 ± 0.301 χ^2/NDF : 691.1/16

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -29.819 ± 0.289 χ^2/NDF : 2340.2/19

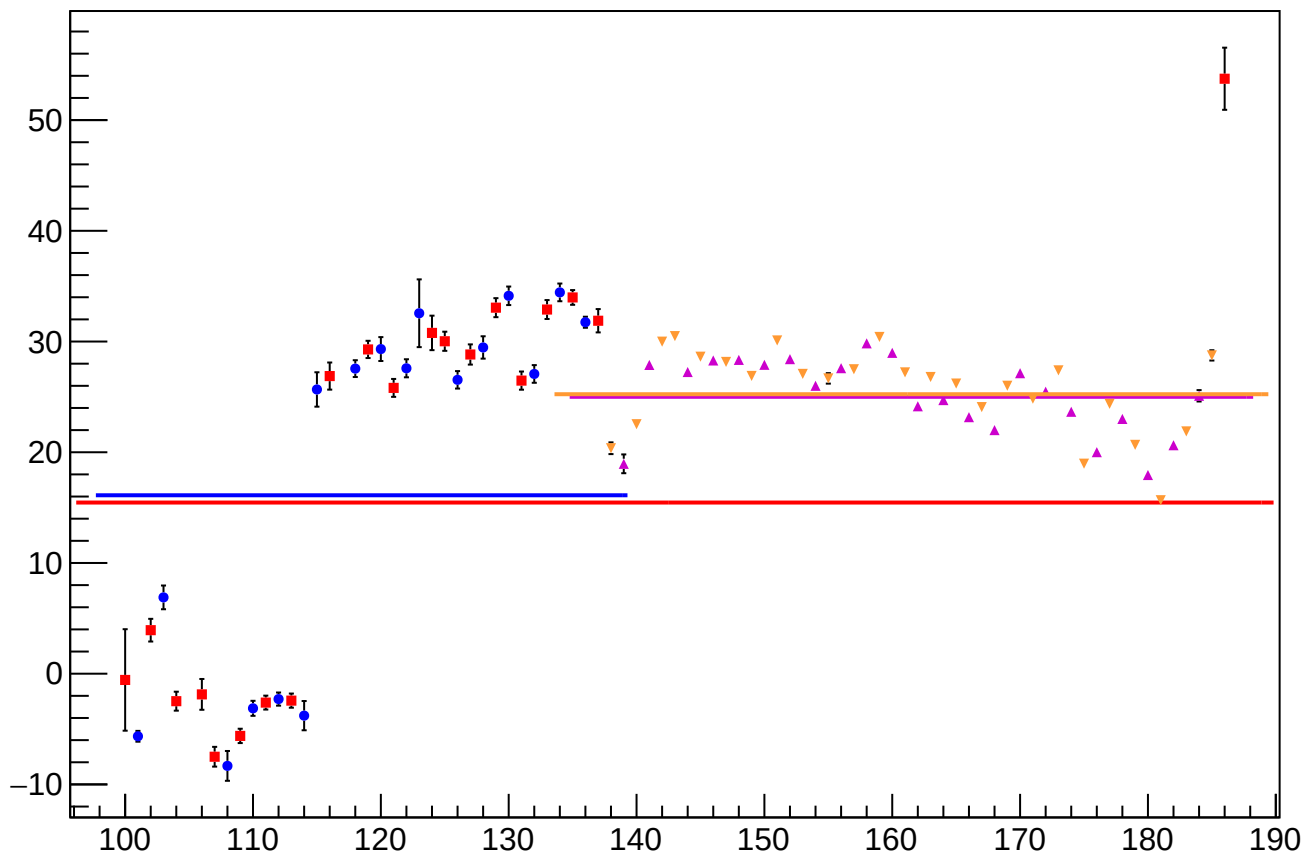
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -22.774 ± 0.069 χ^2/NDF : 20743.3/41

All: -22.712 ± 0.049 χ^2/NDF : 41364.4/84

- sign -22.648 ± 0.069 χ^2/NDF : 20619.4/42

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.115+/-0.192 χ^2/NDF : 7542.1/16

Left Out: 25.242+/-0.063 χ^2/NDF : 3786.5/24

Right Out: 15.458+/-0.197 χ^2/NDF : 7448.7/19

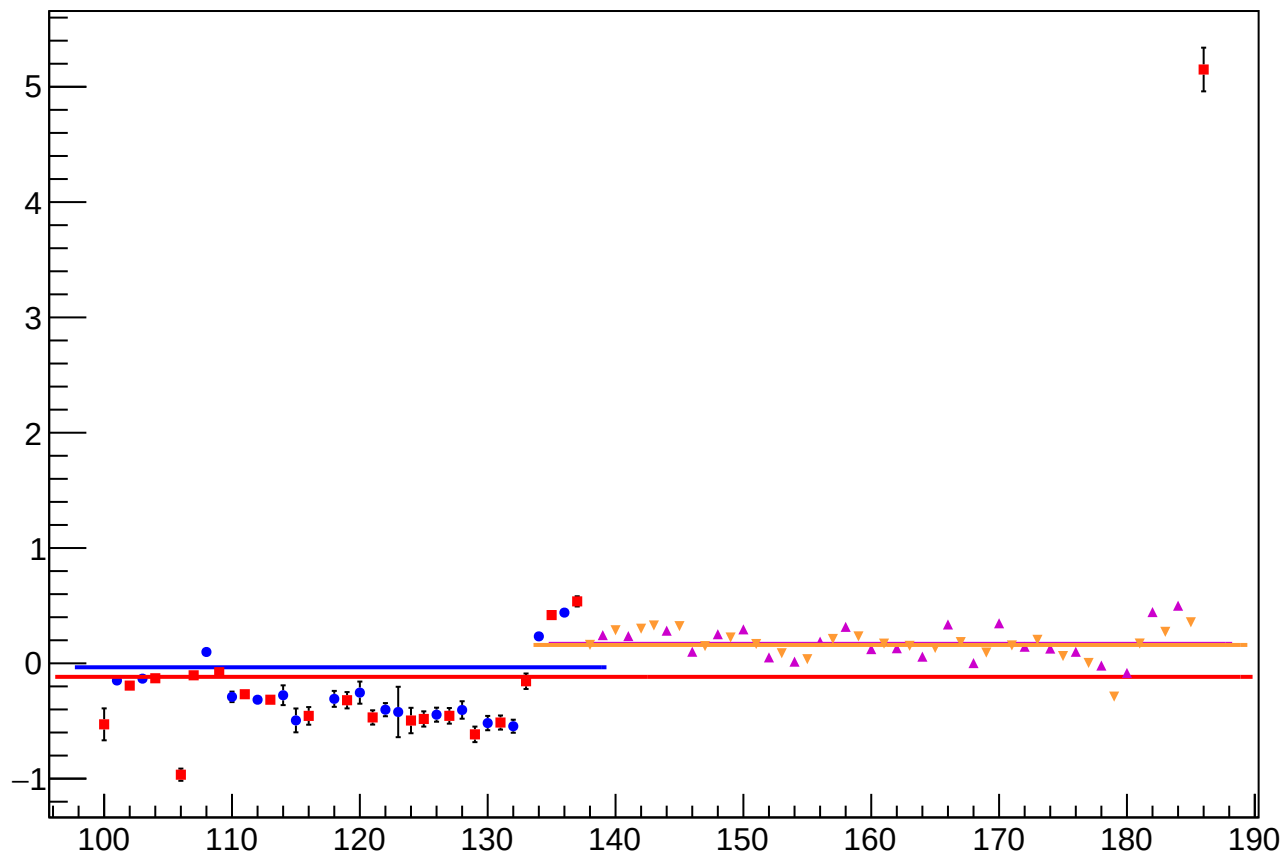
Left In: 25.009+/-0.064 χ^2/NDF : 2722.0/22

+ sign 24.368+/-0.060 χ^2/NDF : 13363.2/41

All: 24.237+/-0.043 χ^2/NDF : 25673.3/84

- sign 24.100+/-0.061 χ^2/NDF : 12300.2/42

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.034 ± 0.010 χ^2/NDF : 1011.4/16

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.117 ± 0.010 χ^2/NDF : 1936.1/19

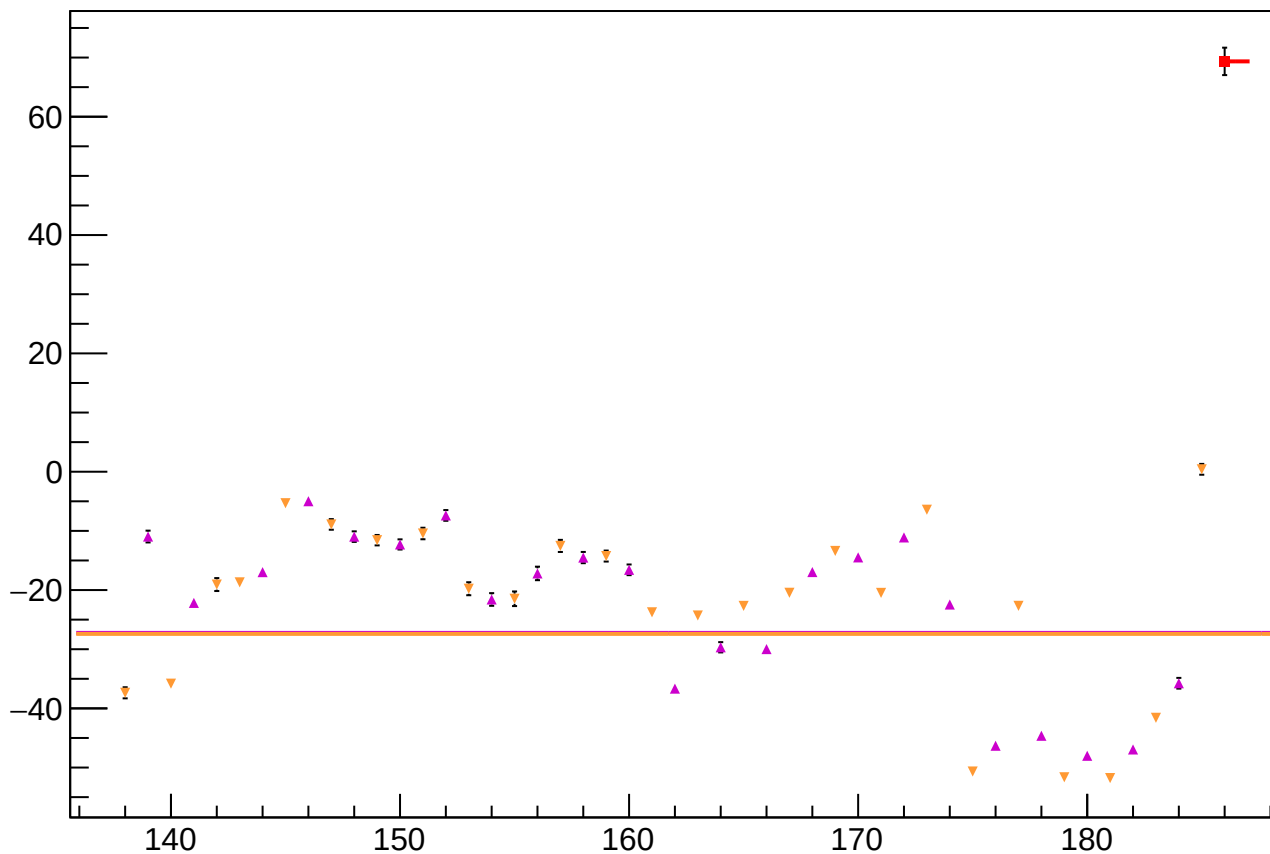
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.146 ± 0.003 χ^2/NDF : 3201.1/41

All: 0.147 ± 0.002 χ^2/NDF : 8262.5/84

- sign 0.148 ± 0.003 χ^2/NDF : 5061.0/42

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -27.408+/-0.137 χ^2/NDF :14850.5/24

Right Out: 69.353+/-2.317 χ^2/NDF : 0.0/0

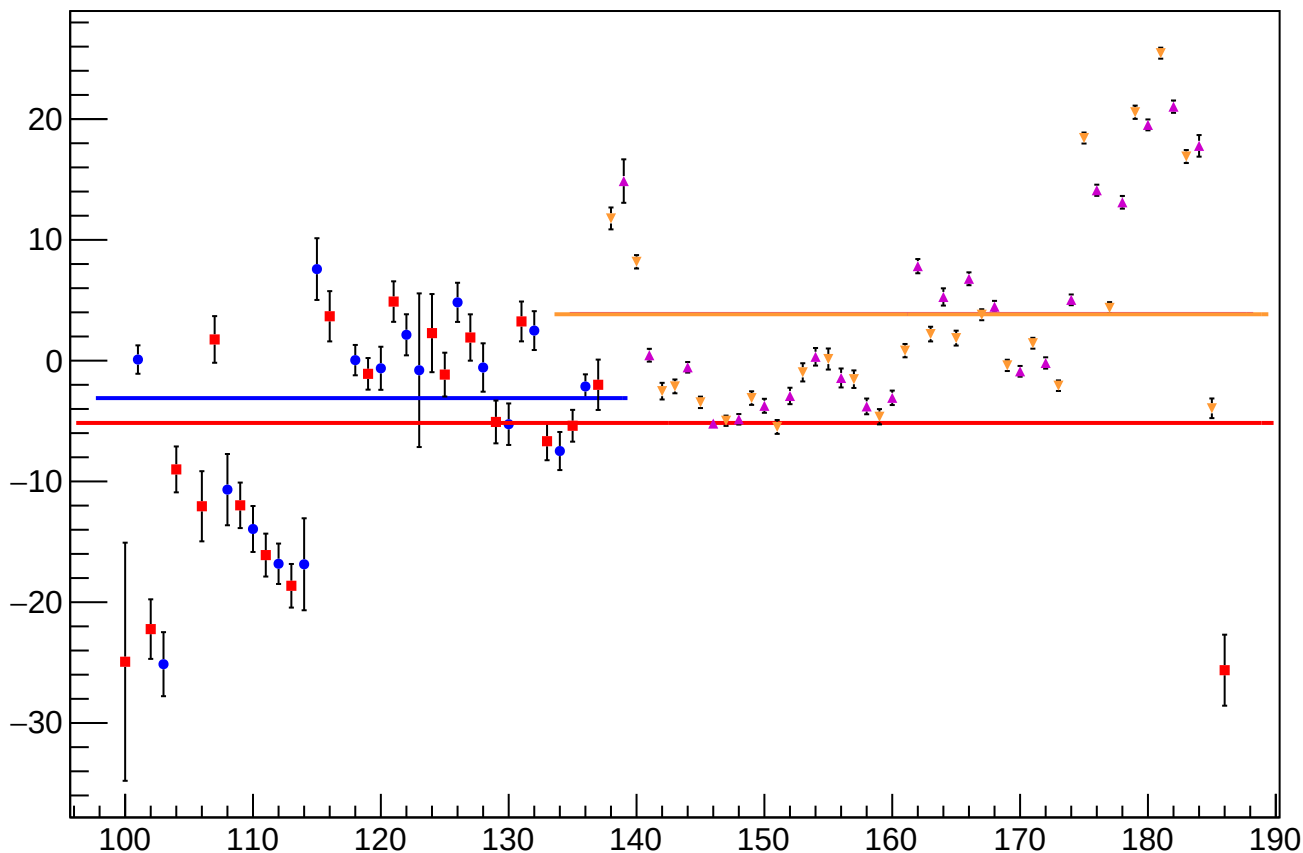
Left In: -27.243+/-0.139 χ^2/NDF :11305.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -27.156+/-0.098 χ^2/NDF : 27893.7/48

- sign -26.895+/-0.139 χ^2/NDF : 13036.3/23

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.101 ± 0.412 $\chi^2/\text{NDF}: 278.9/16$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -5.157 ± 0.423 $\chi^2/\text{NDF}: 346.3/19$

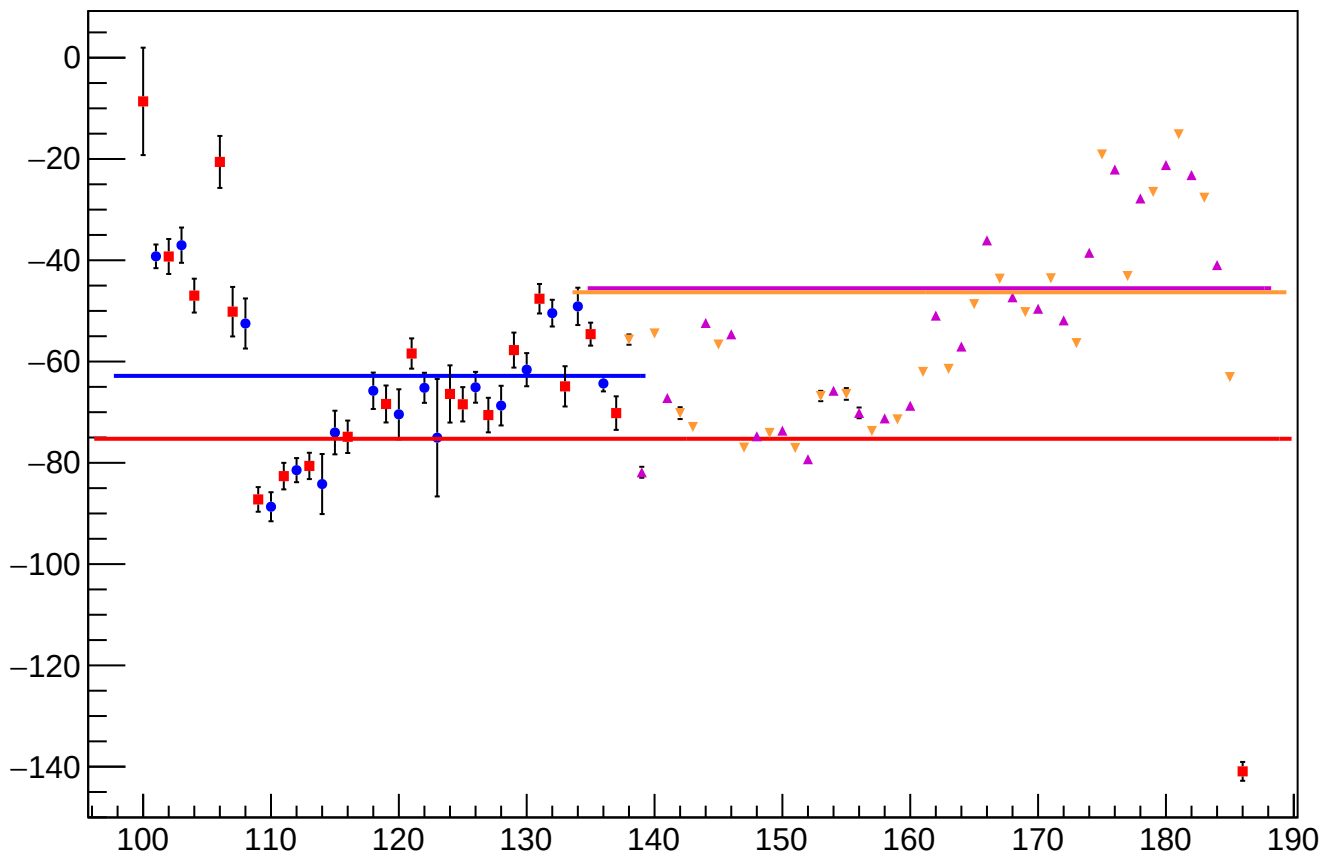
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.385 ± 0.106 $\chi^2/\text{NDF}: 7483.8/41$

All: 3.334 ± 0.075 $\chi^2/\text{NDF}: 13680.7/84$

- sign 3.282 ± 0.108 $\chi^2/\text{NDF}: 6196.5/42$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.830 ± 0.742 χ^2/NDF : 367.7/16

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -75.251 ± 0.698 χ^2/NDF : 1890.4/19

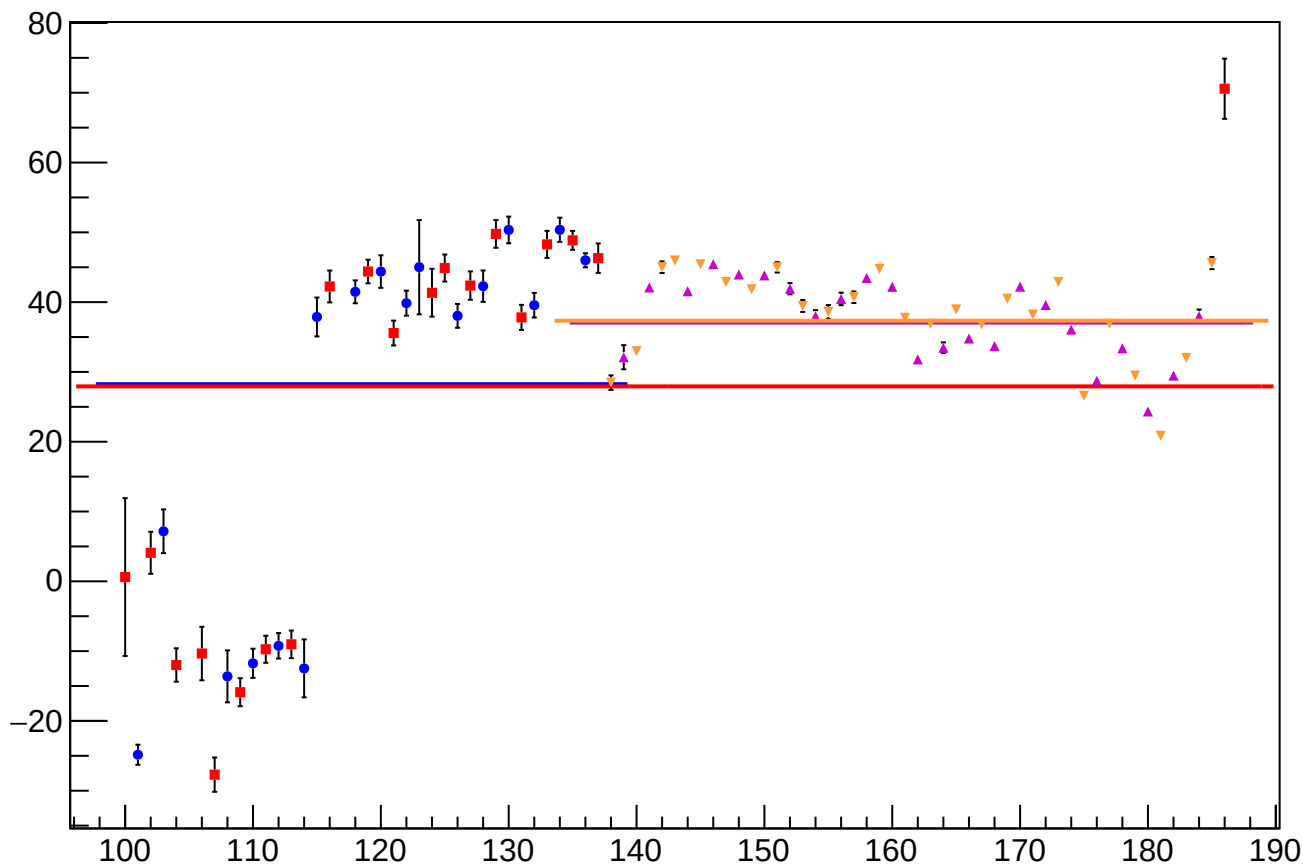
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -46.870 ± 0.136 χ^2/NDF : 20981.3/41

All: -46.770 ± 0.096 χ^2/NDF : 42141.9/84

- sign -46.667 ± 0.137 χ^2/NDF : 21159.5/42

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.247 $\pm$ 0.461 χ^2 /NDF: 3310.9/16

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 27.928 $\pm$ 0.477 χ^2 /NDF: 3130.7/19

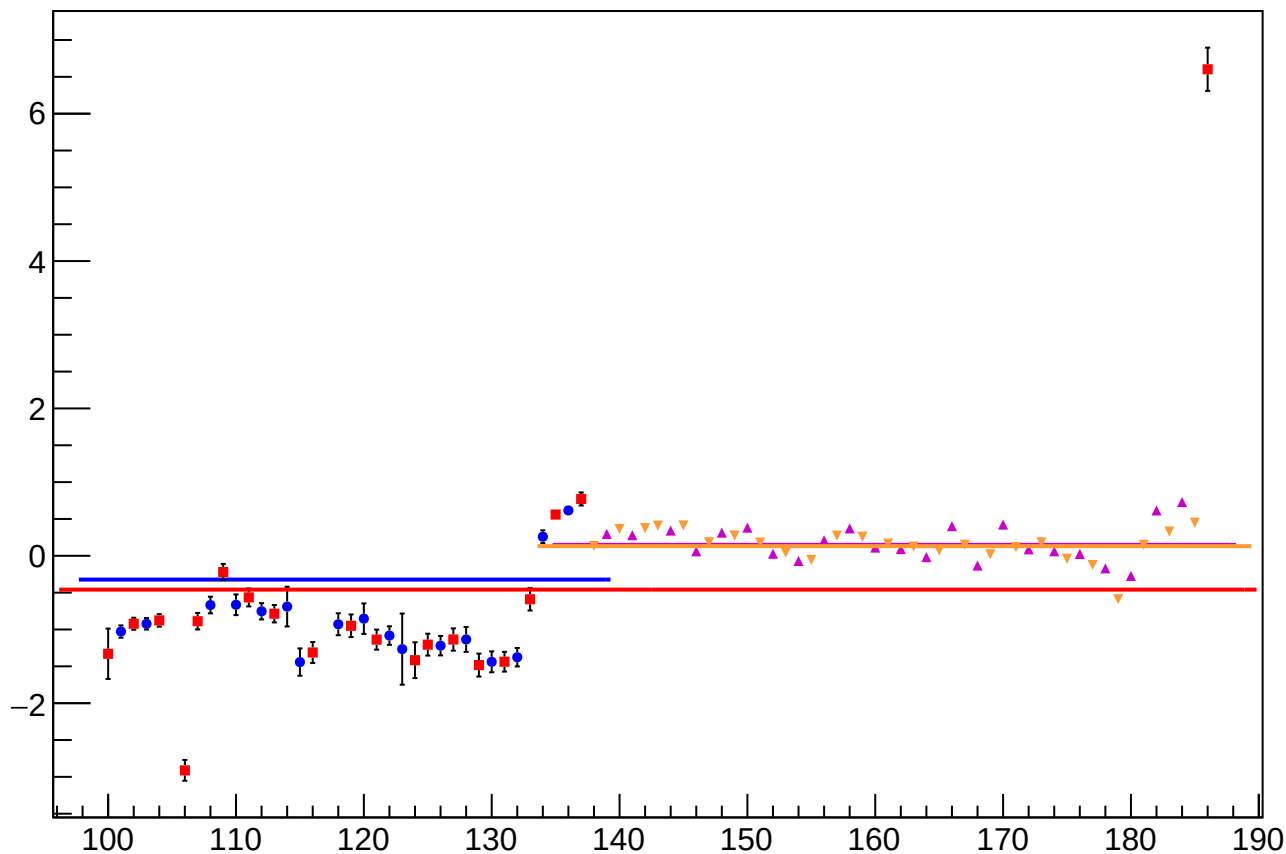
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.737 $\pm$ 0.119 χ^2 /NDF: 6823.4/41

All: 36.613 $\pm$ 0.085 χ^2 /NDF: 12698.0/84

- sign 36.484 $\pm$ 0.121 χ^2 /NDF: 5872.4/42

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.322 ± 0.025 χ^2/NDF : 1010.1/16

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.459 ± 0.026 χ^2/NDF : 1743.8/19

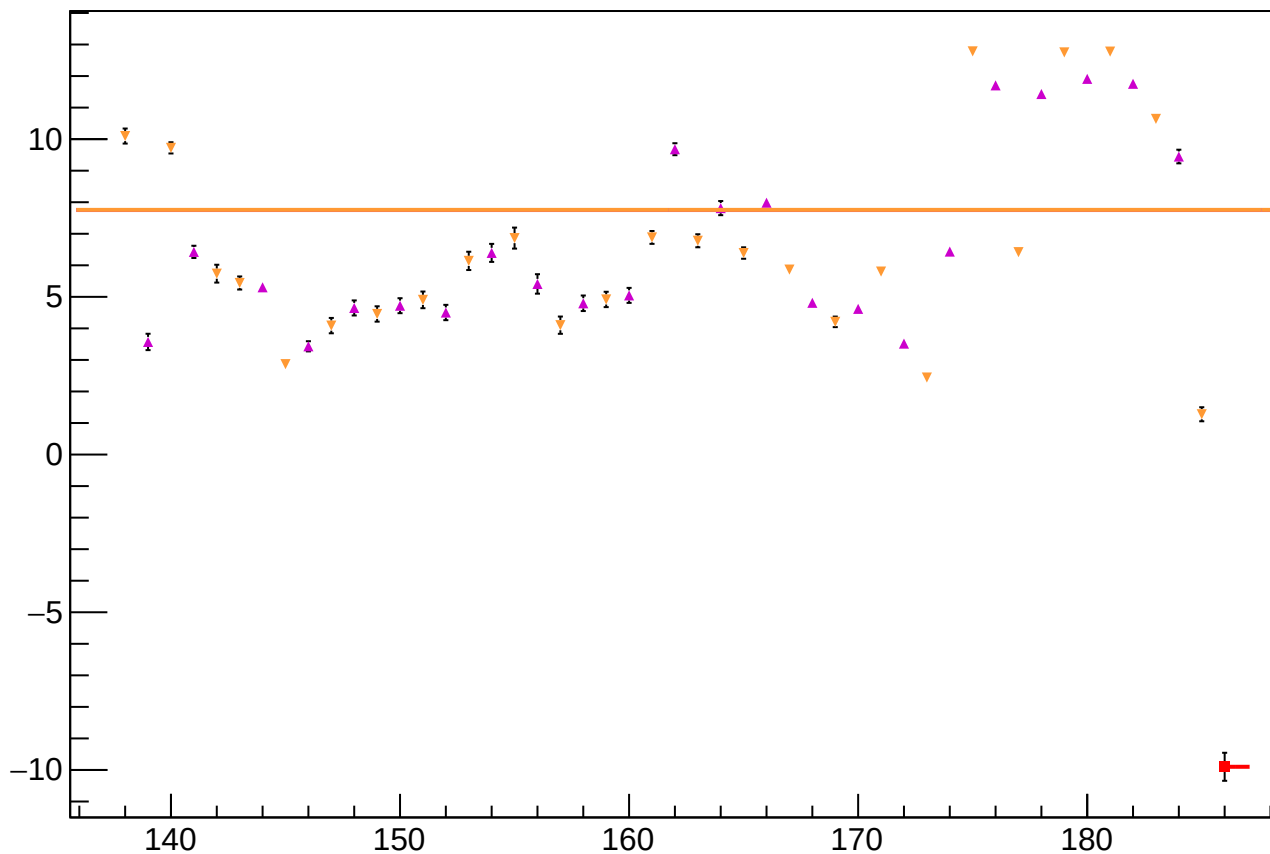
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.109 ± 0.005 χ^2/NDF : 2750.4/41

All: 0.114 ± 0.004 χ^2/NDF : 6832.8/84

- sign 0.120 ± 0.006 χ^2/NDF : 4080.6/42

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 7.757 $\pm$ 0.034 χ^2 /NDF:11728.6/24

Right Out: -9.899 $\pm$ 0.444 χ^2 /NDF: 0.0/0

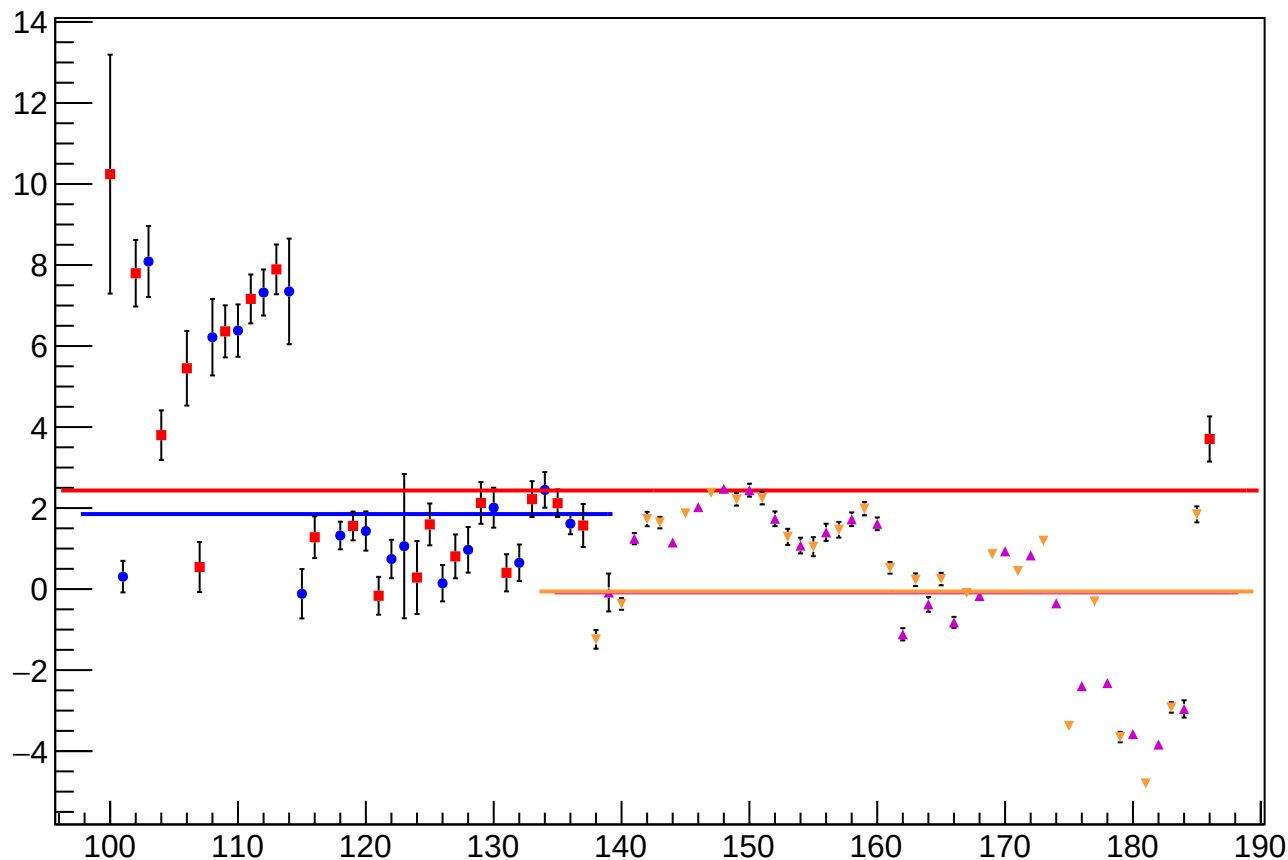
Left In: 7.753 $\pm$ 0.035 χ^2 /NDF:8345.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 7.701 $\pm$ 0.024 χ^2 /NDF: 21648.2/48

- sign 7.643 $\pm$ 0.035 χ^2 /NDF: 9914.2/23

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.852 ± 0.117 χ^2/NDF : 293.2/16

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.434 ± 0.120 χ^2/NDF : 341.0/19

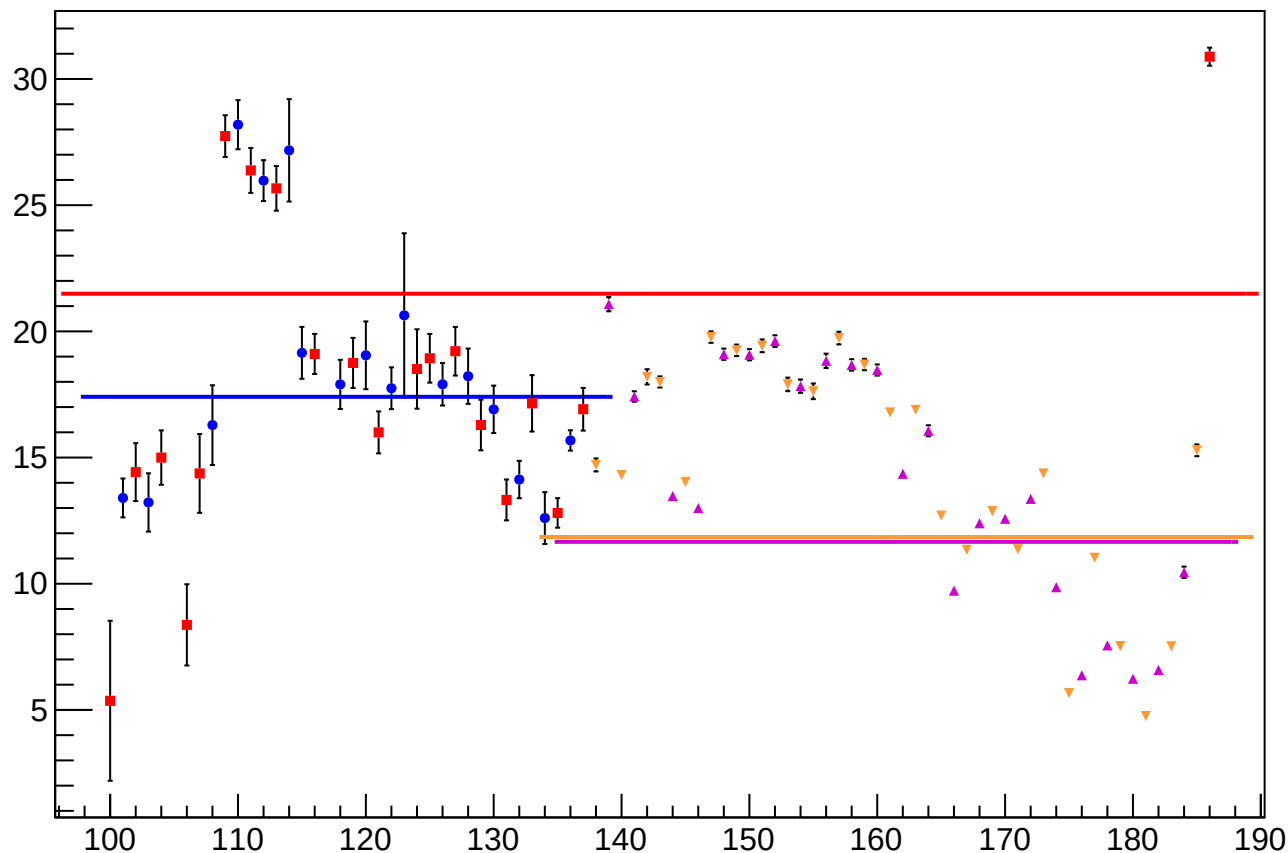
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.042 ± 0.027 χ^2/NDF : 6613.5/41

All: 0.047 ± 0.019 χ^2/NDF : 12350.8/84

- sign 0.052 ± 0.028 χ^2/NDF : 5737.3/42

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.407 ± 0.213 χ^2/NDF : 365.3/16

Left Out: 11.853 ± 0.035 χ^2/NDF : 19149.4/24

Right Out: 21.492 ± 0.187 χ^2/NDF : 1459.1/19

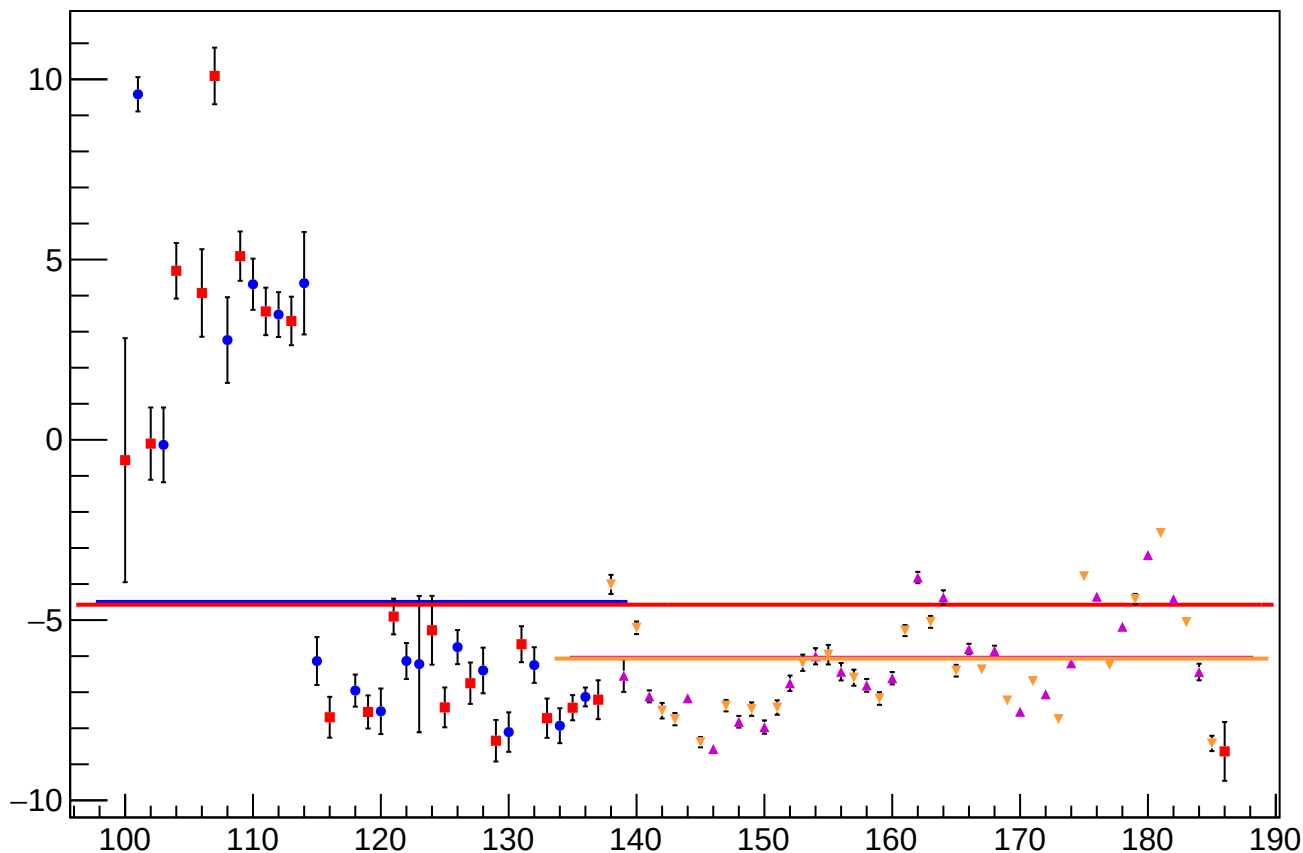
Left In: 11.660 ± 0.035 χ^2/NDF : 16710.2/22

+ sign 11.996 ± 0.034 χ^2/NDF : 20178.0/41

All: 11.996 ± 0.024 χ^2/NDF : 41018.6/84

- sign 11.996 ± 0.035 χ^2/NDF : 20840.6/42

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.497 ± 0.131 χ^2/NDF : 1582.8/16

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.574 ± 0.135 χ^2/NDF : 1366.1/19

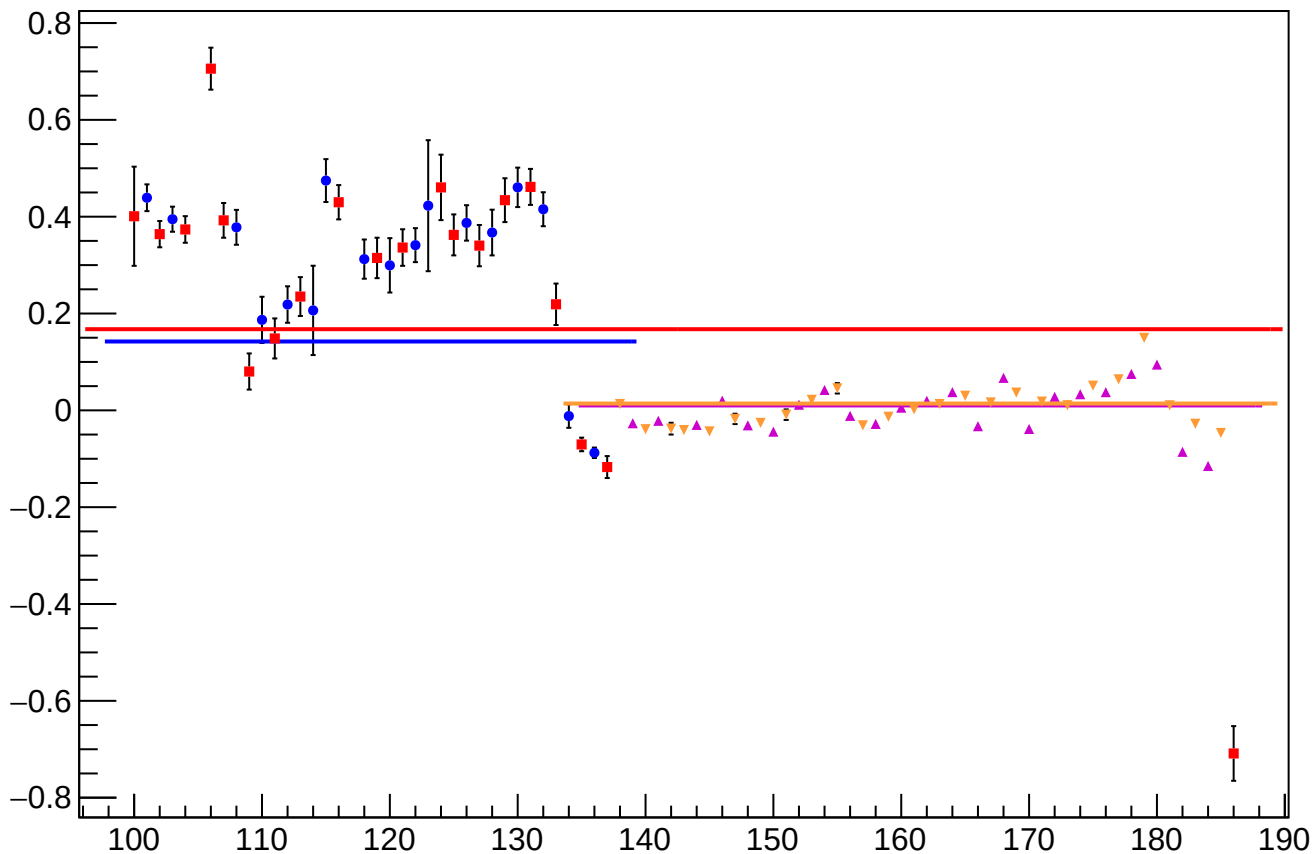
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.984 ± 0.030 χ^2/NDF : 4391.6/41

All: -5.976 ± 0.022 χ^2/NDF : 8163.7/84

- sign -5.968 ± 0.031 χ^2/NDF : 3771.9/42

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 χ^2/NDF : 1057.7/16

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.168 ± 0.007 χ^2/NDF : 1244.0/19

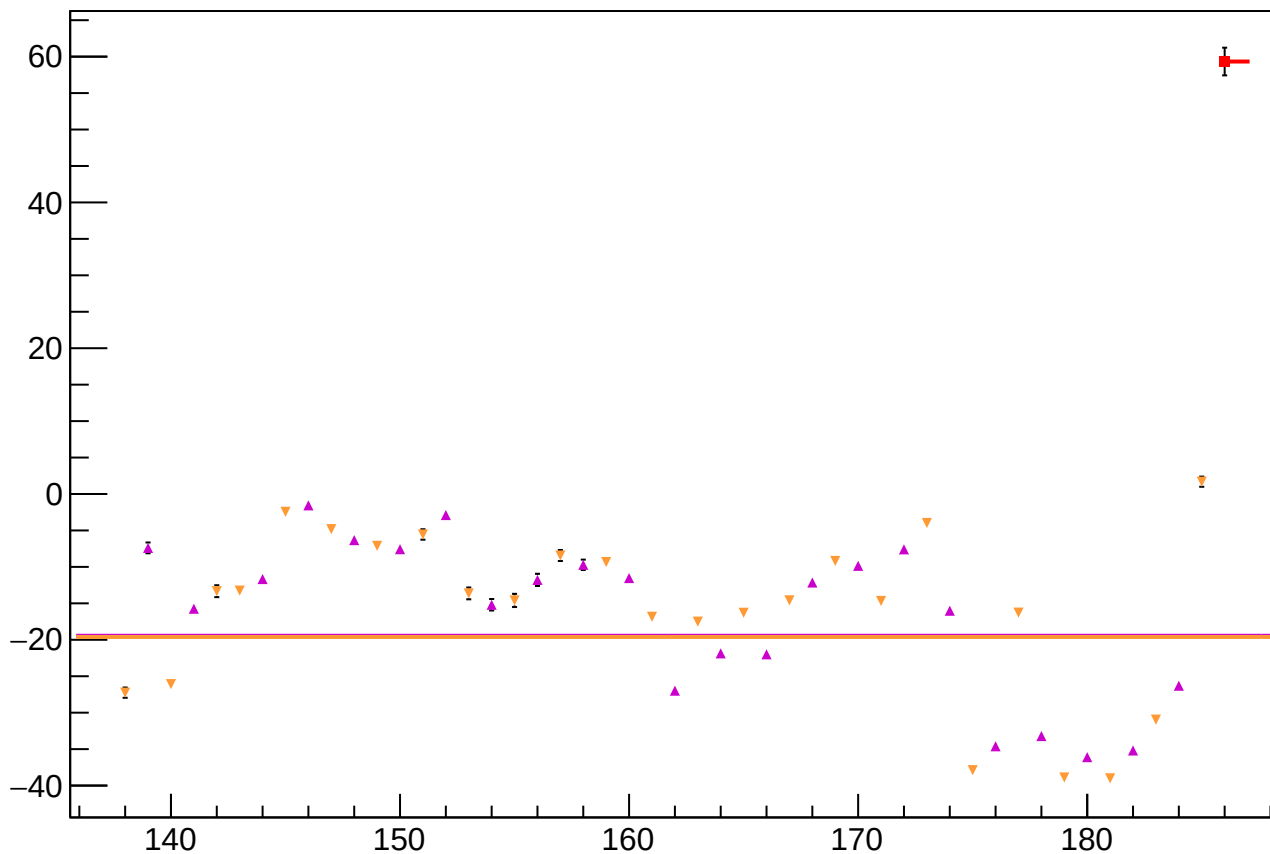
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.019 ± 0.001 χ^2/NDF : 2329.4/41

All: 0.018 ± 0.001 χ^2/NDF : 5233.8/84

- sign 0.016 ± 0.001 χ^2/NDF : 2902.1/42

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -19.612+/-0.103 χ^2/NDF :15761.3/24

Right Out: 59.330+/-1.901 χ^2/NDF : 0.0/0

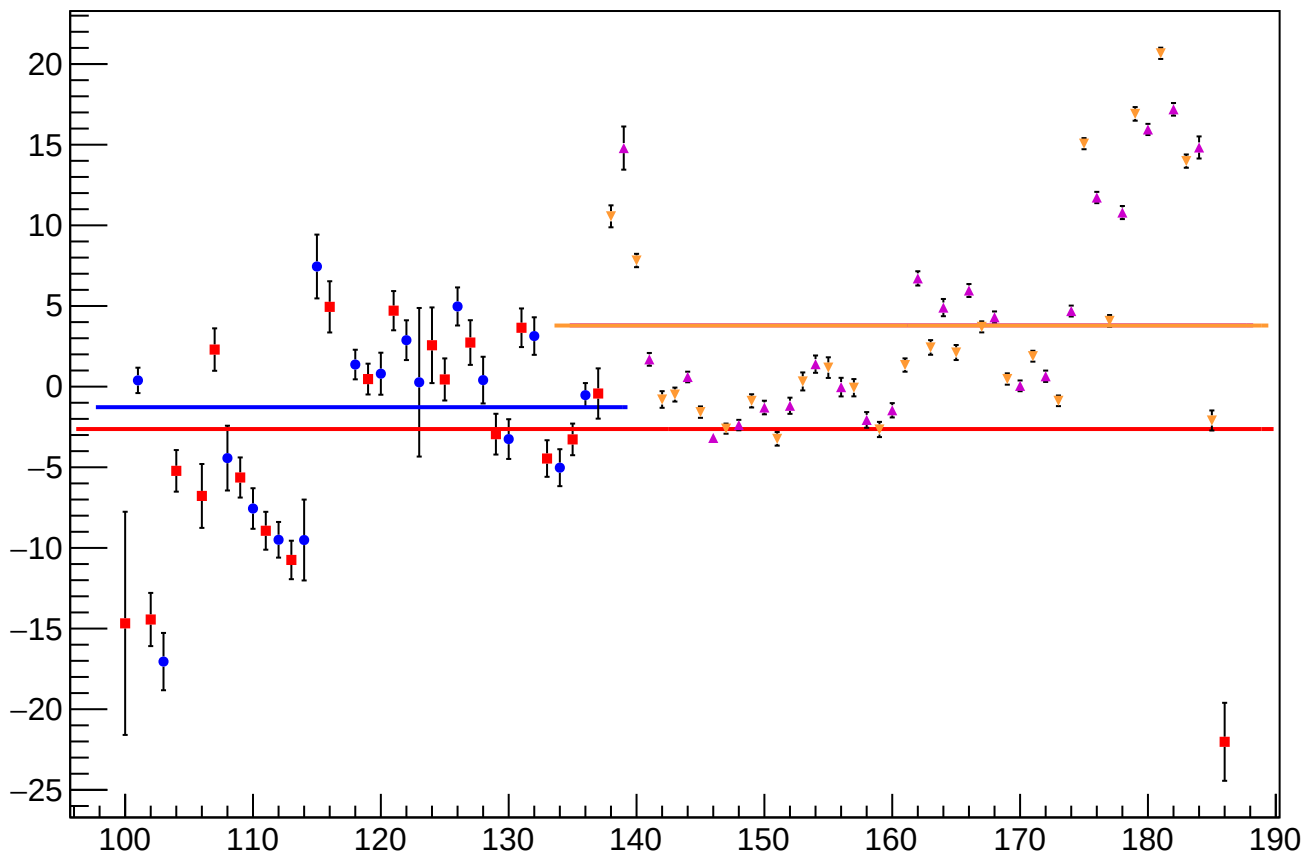
Left In: -19.450+/-0.105 χ^2/NDF :12283.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -19.415+/-0.074 χ^2/NDF : 29764.7/48

- sign -19.210+/-0.105 χ^2/NDF : 13995.9/23

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.274+/-0.293 χ^2 /NDF: 276.5/16

Left Out: 3.788+/-0.082 χ^2 /NDF: 7150.5/24

Right Out: -2.629+/-0.300 χ^2 /NDF: 349.8/19

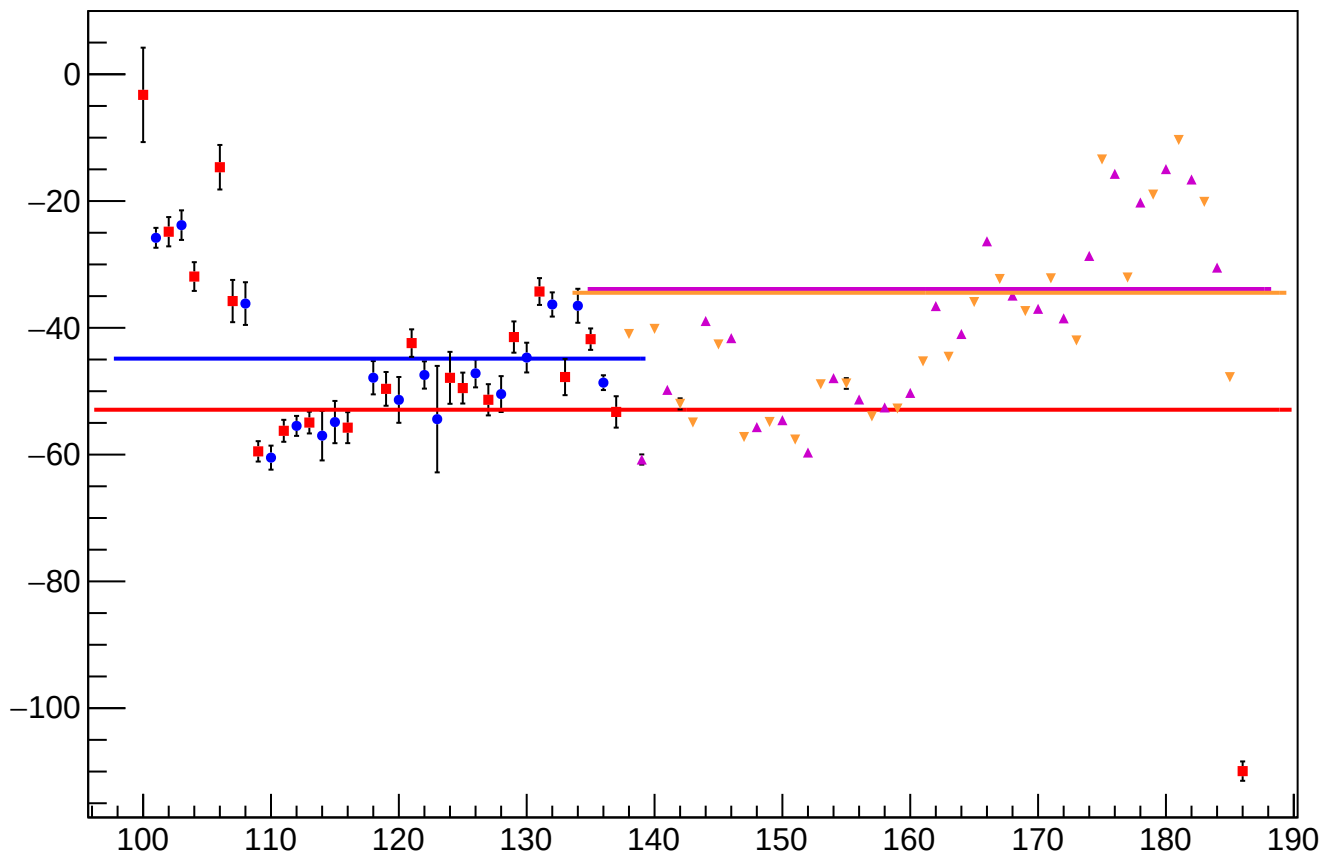
Left In: 3.799+/-0.084 χ^2 /NDF: 5517.0/22

+ sign 3.419+/-0.079 χ^2 /NDF: 7704.1/41

All: 3.379+/-0.056 χ^2 /NDF: 13996.4/84

- sign 3.337+/-0.081 χ^2 /NDF: 6291.7/42

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.859 ± 0.525 χ^2/NDF : 420.2/16

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -52.921 ± 0.500 χ^2/NDF : 2014.1/19

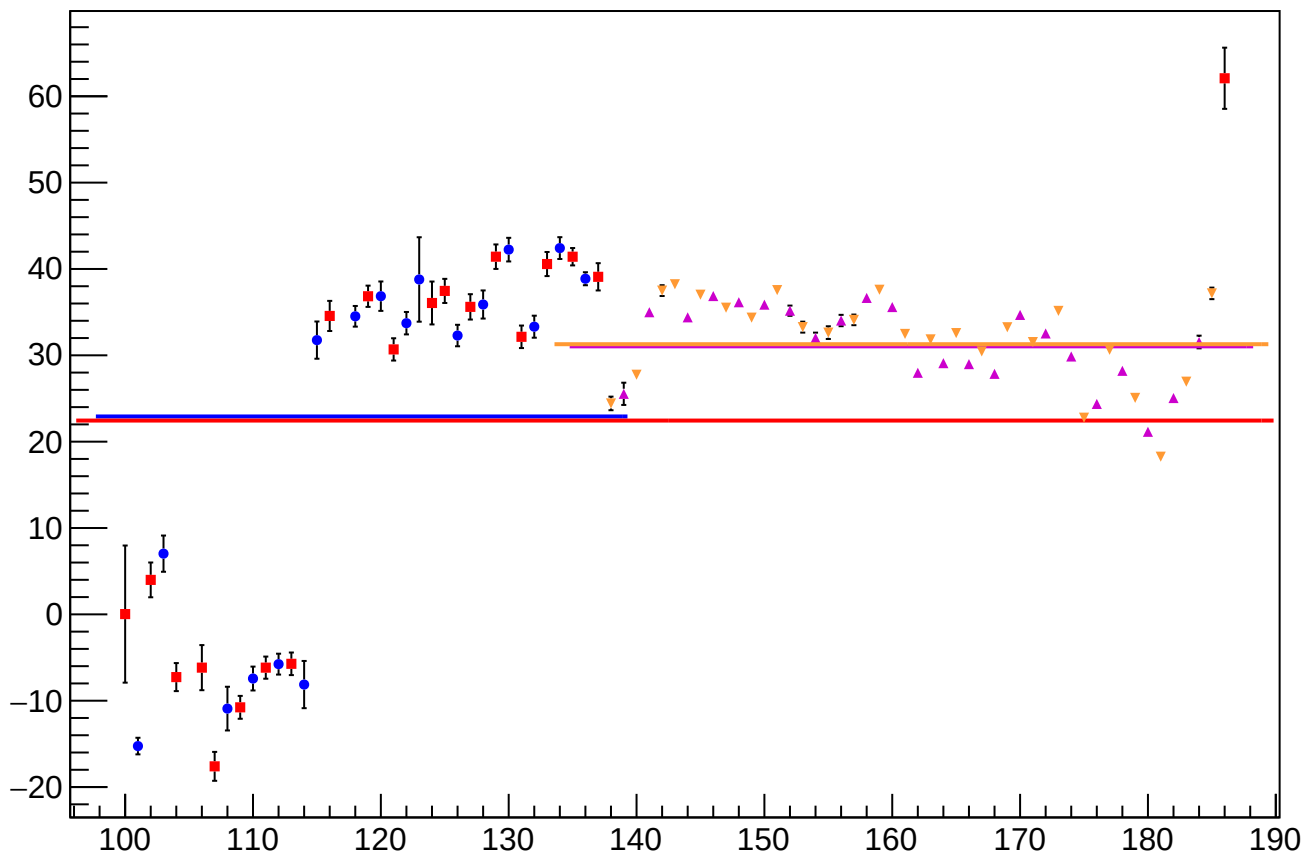
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -34.862 ± 0.102 χ^2/NDF : 20993.0/41

All: -34.773 ± 0.072 χ^2/NDF : 42035.5/84

- sign -34.683 ± 0.103 χ^2/NDF : 21040.9/42

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.917 $\pm$ 0.329 χ^2 /NDF: 4317.2/16

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.444 $\pm$ 0.339 χ^2 /NDF: 4156.3/19

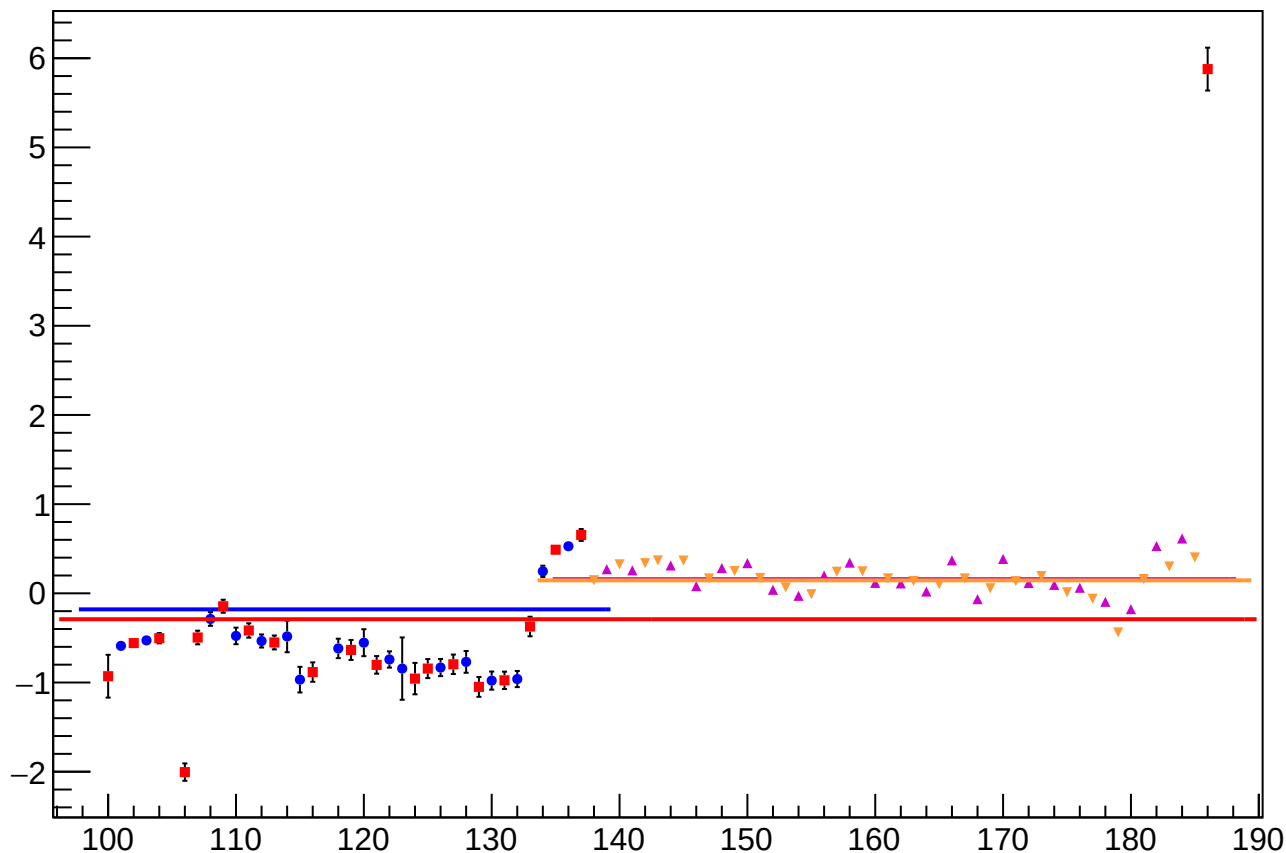
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.673 $\pm$ 0.089 χ^2 /NDF: 8263.9/41

All: 30.551 $\pm$ 0.064 χ^2 /NDF: 15500.8/84

- sign 30.423 $\pm$ 0.091 χ^2 /NDF: 7233.0/42

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.2/16

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.290 ± 0.018 χ^2/NDF : 1836.9/19

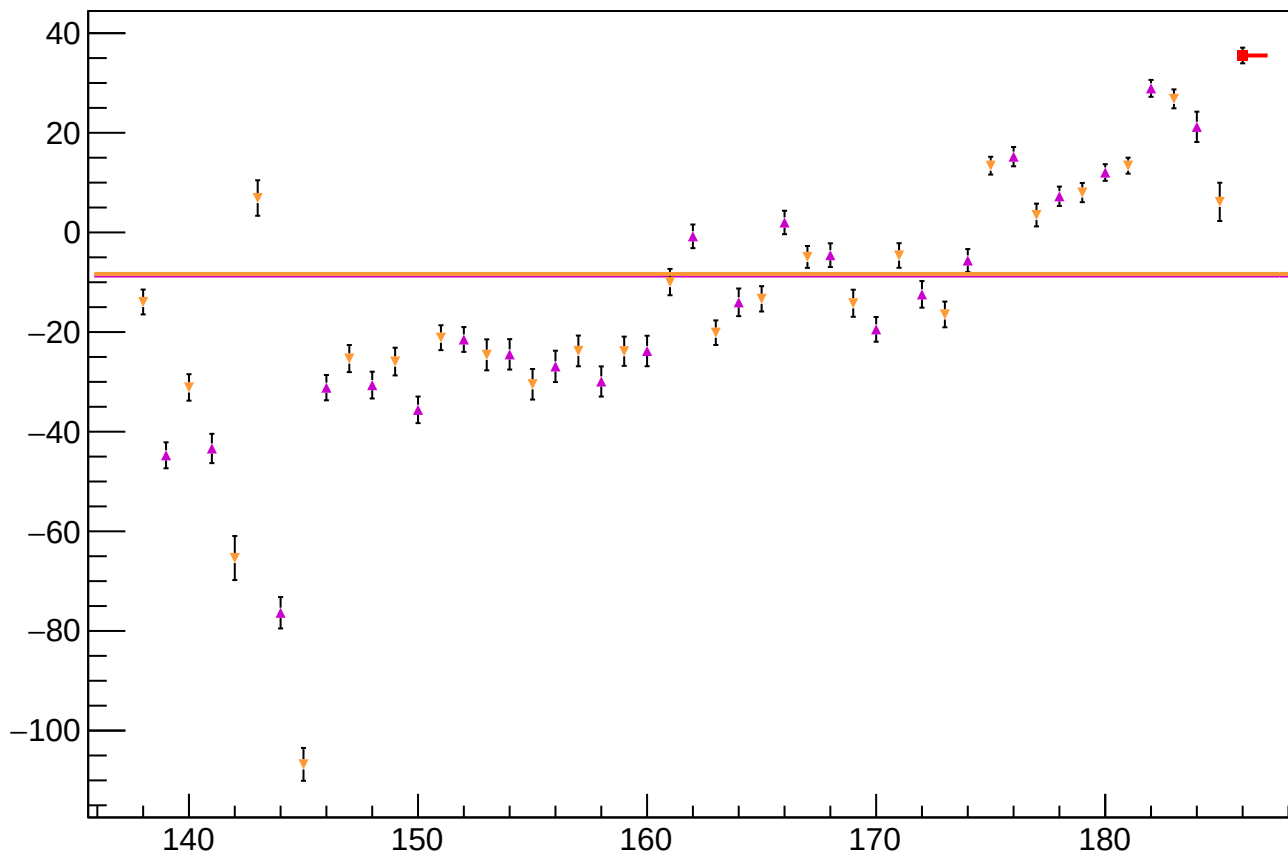
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.128 ± 0.004 χ^2/NDF : 2891.3/41

All: 0.131 ± 0.003 χ^2/NDF : 7318.3/84

- sign 0.135 ± 0.004 χ^2/NDF : 4425.7/42

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

Left Out: -8.332 +/- 0.500 χ^2/NDF : 2226.2/24

Right Out: 35.518 +/- 1.571 χ^2/NDF : 0.0/0

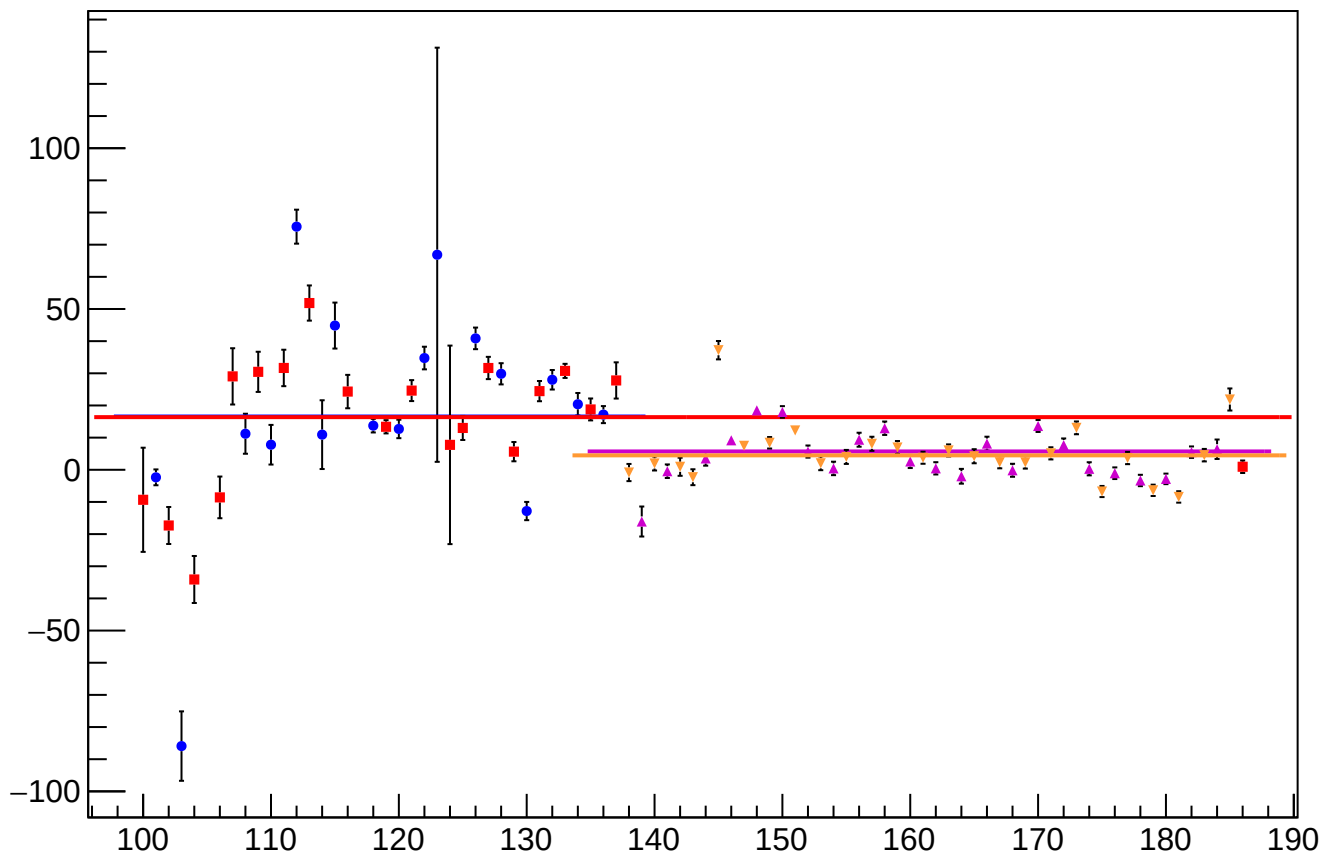
Left In: -8.652 +/- 0.507 χ^2/NDF : 2223.8/22

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -6.342 +/- 0.347 χ^2/NDF : 5196.3/48

- sign -4.484 +/- 0.483 χ^2/NDF : 2939.4/23

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.559 ± 0.860 $\chi^2/\text{NDF}: 514.9/16$

Left Out: 4.484 ± 0.392 $\chi^2/\text{NDF}: 371.9/24$

Right Out: 16.371 ± 0.815 $\chi^2/\text{NDF}: 317.5/19$

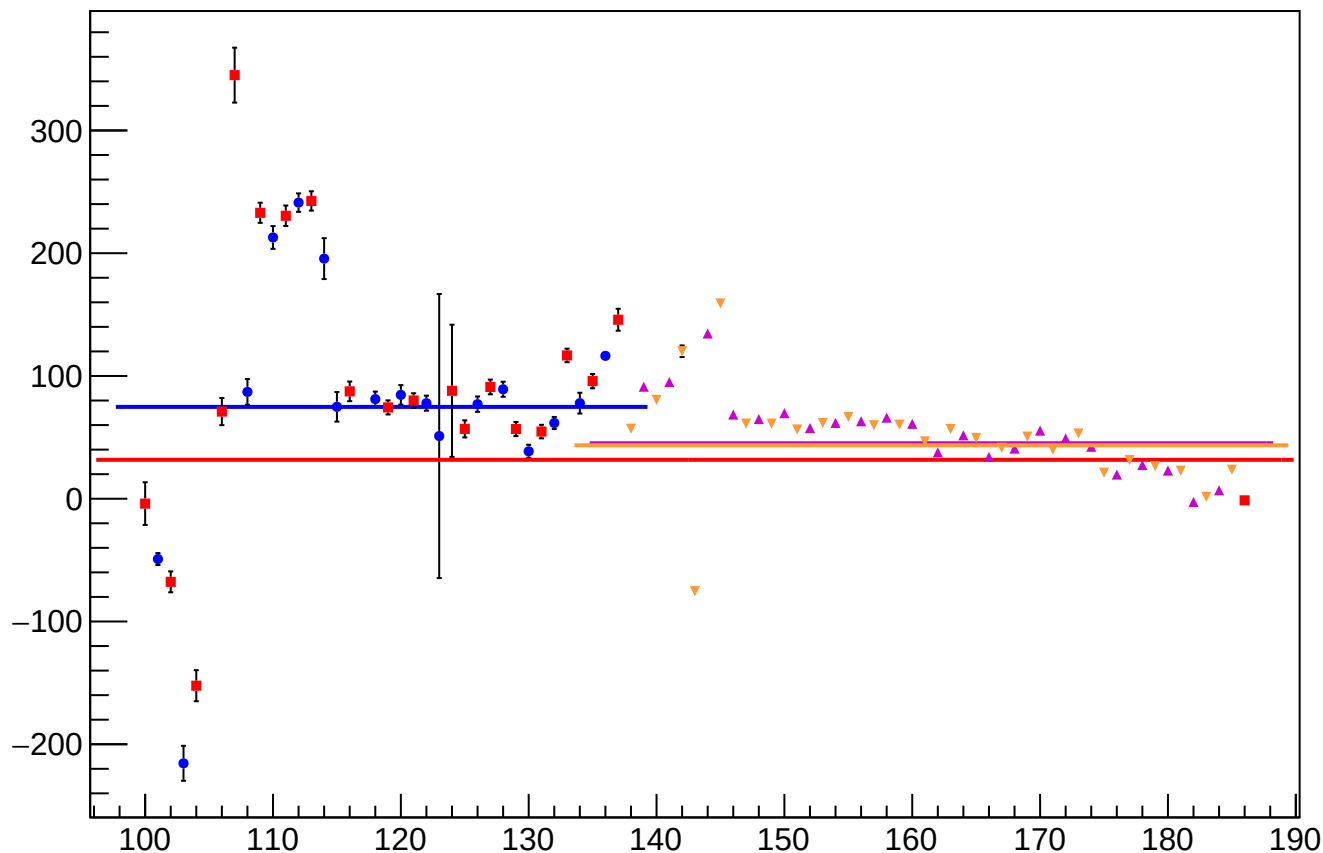
Left In: 5.705 ± 0.404 $\chi^2/\text{NDF}: 324.1/22$

+ sign 6.563 ± 0.357 $\chi^2/\text{NDF}: 1050.0/41$

All: 7.178 ± 0.254 $\chi^2/\text{NDF}: 1835.1/84$

- sign 7.812 ± 0.362 $\chi^2/\text{NDF}: 779.1/42$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 74.816 ± 1.649 χ^2/NDF : 1994.3/16

Left Out: 43.524 ± 0.498 χ^2/NDF : 3830.7/24

Right Out: 31.711 ± 1.014 χ^2/NDF : 3977.4/19

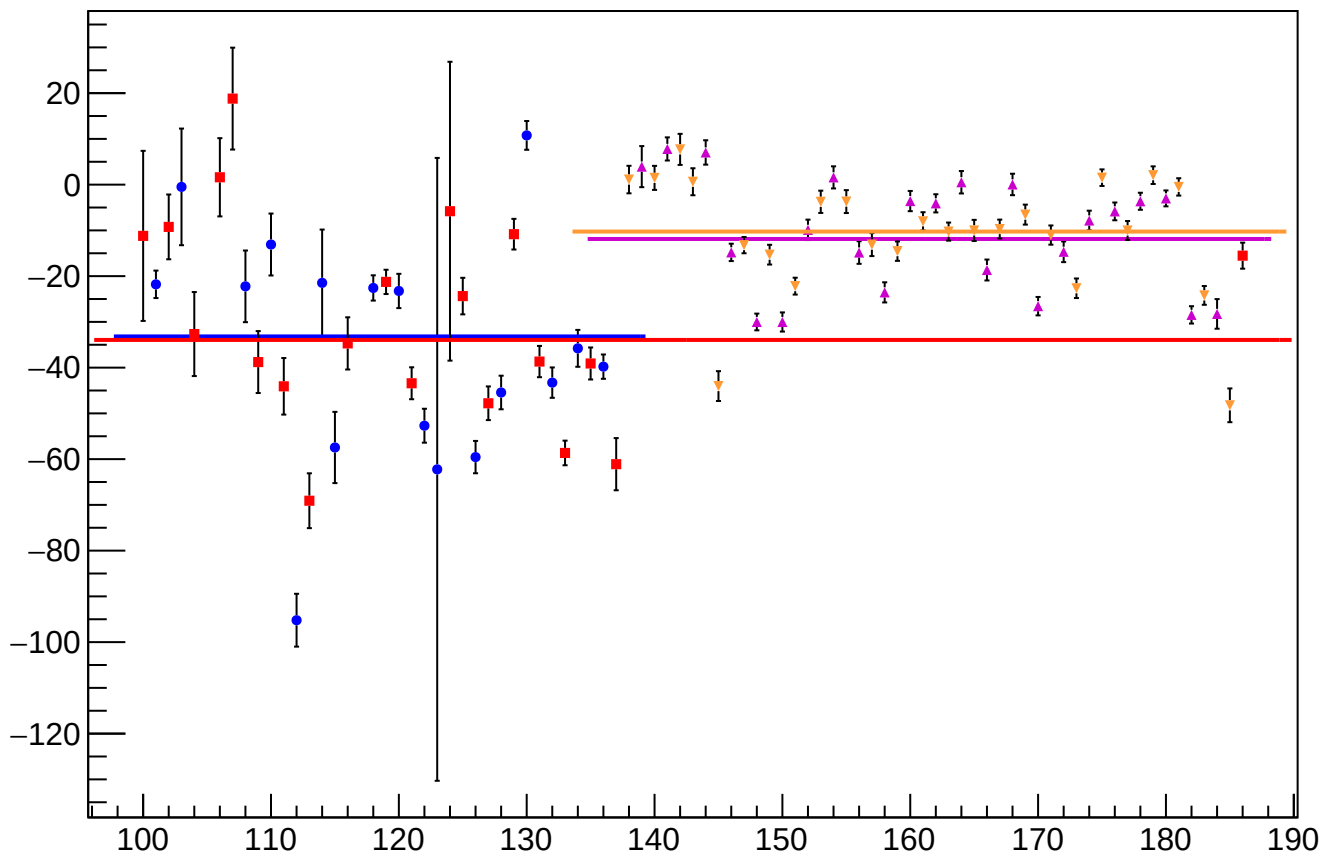
Left In: 45.211 ± 0.504 χ^2/NDF : 3048.5/22

+ sign 46.143 ± 0.477 χ^2/NDF : 6154.8/41

All: 44.239 ± 0.328 χ^2/NDF : 13353.0/84

- sign 42.534 ± 0.452 χ^2/NDF : 7168.0/42

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.182 ± 0.984 χ^2/NDF : 485.4/16

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -33.945 ± 0.965 χ^2/NDF : 342.4/19

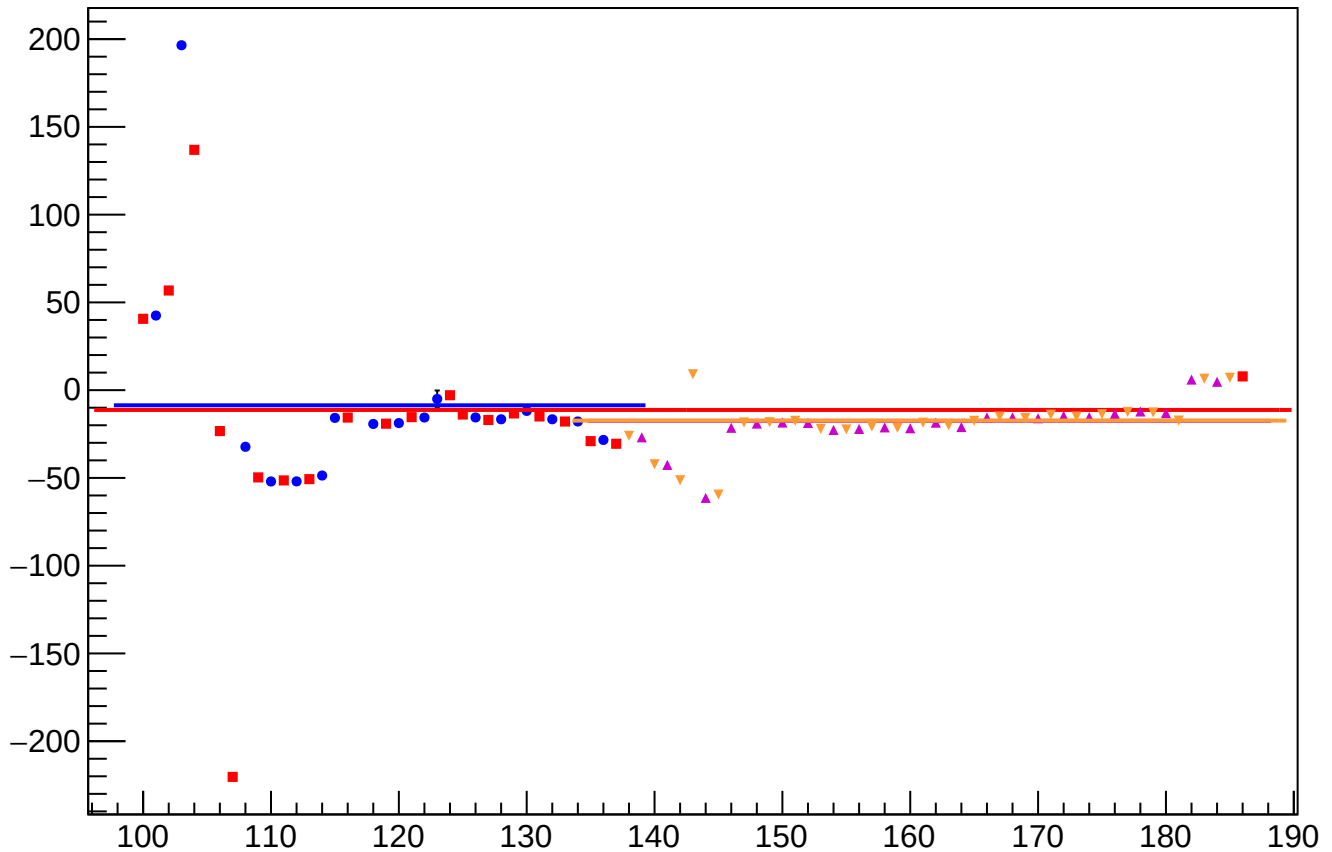
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -14.141 ± 0.405 χ^2/NDF : 1489.0/41

All: -15.006 ± 0.289 χ^2/NDF : 2934.3/84

- sign -15.904 ± 0.412 χ^2/NDF : 1436.0/42

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.630 ± 0.059 $\chi^2/\text{NDF}: 575559.8/16$

Left Out: -17.333 ± 0.020 $\chi^2/\text{NDF}: 325197.2/24$

Right Out: -11.274 ± 0.059 $\chi^2/\text{NDF}: 568070.3/19$

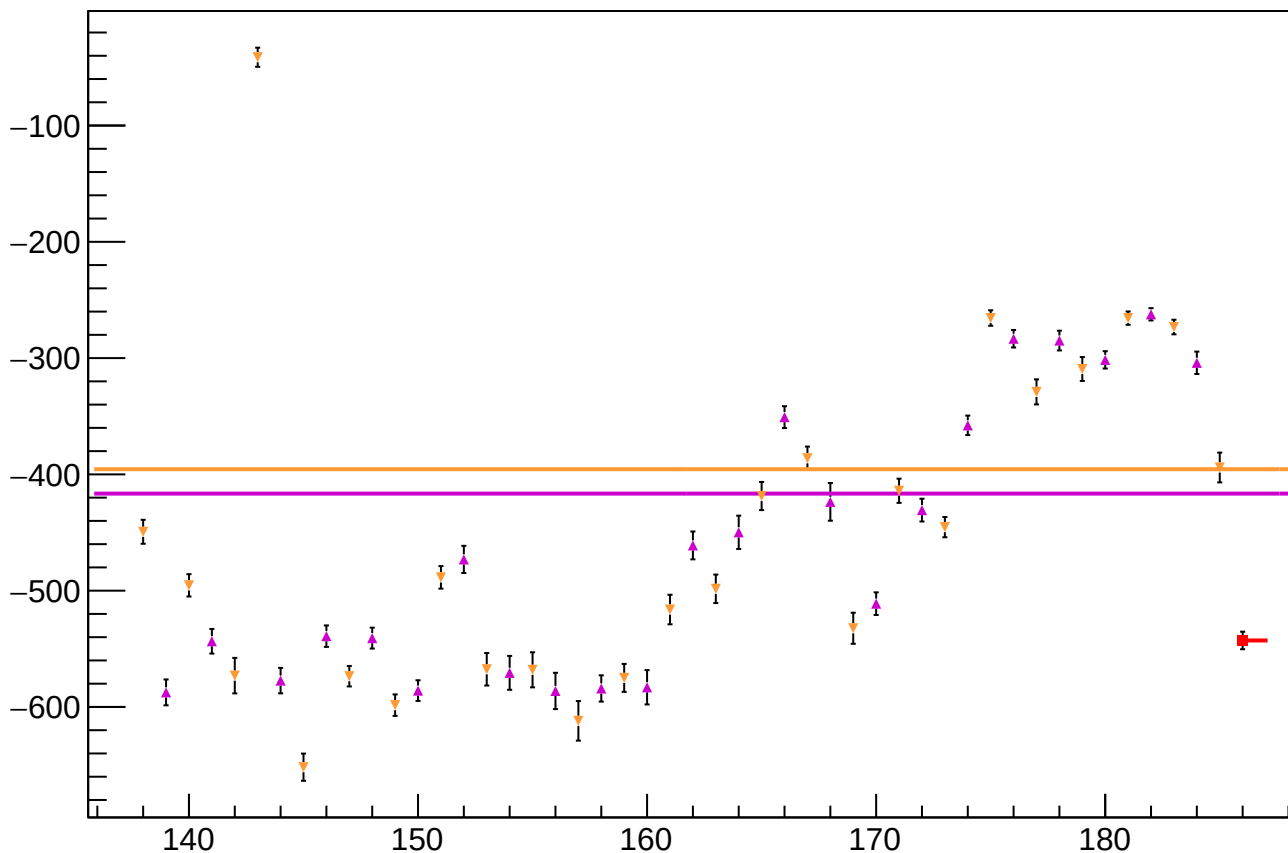
Left In: -17.491 ± 0.021 $\chi^2/\text{NDF}: 259215.8/22$

+ sign -16.407 ± 0.019 $\chi^2/\text{NDF}: 920106.0/41$

All: -16.609 ± 0.014 $\chi^2/\text{NDF}: 1757439.9/84$

- sign -16.815 ± 0.020 $\chi^2/\text{NDF}: 837113.2/42$

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -395.547+/-1.953 χ^2/NDF : 5946.5/24

Right Out: -542.818+/-7.555 χ^2/NDF : 0.0/0

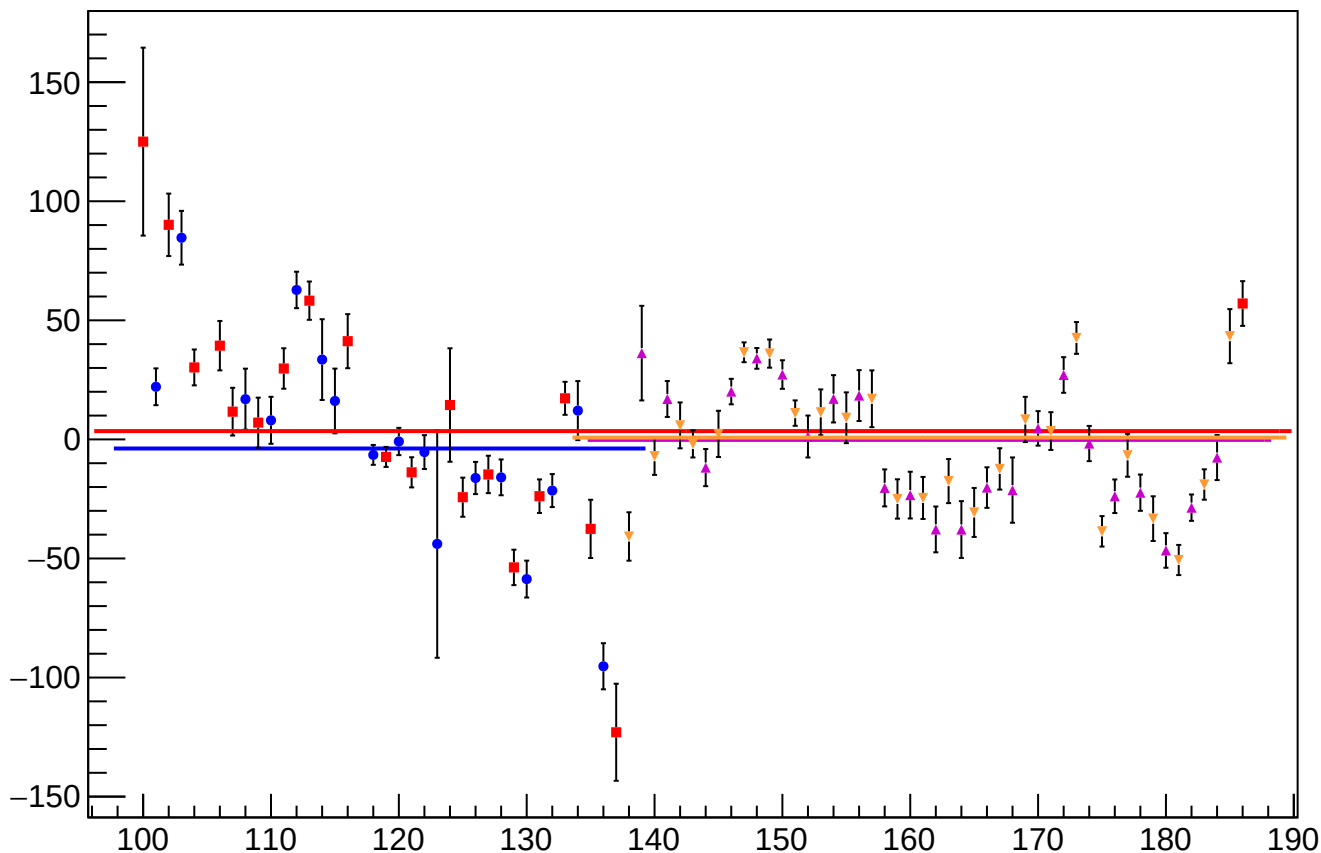
Left In: -416.521+/-2.005 χ^2/NDF : 3917.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -410.307+/-1.376 χ^2/NDF : 10237.9/48

- sign -424.830+/-1.938 χ^2/NDF : 4178.1/23

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.821 ± 1.927 χ^2/NDF : 314.4/16

Left Out: 0.767 ± 1.503 χ^2/NDF : 350.1/24

Right Out: 3.488 ± 1.878 χ^2/NDF : 337.3/19

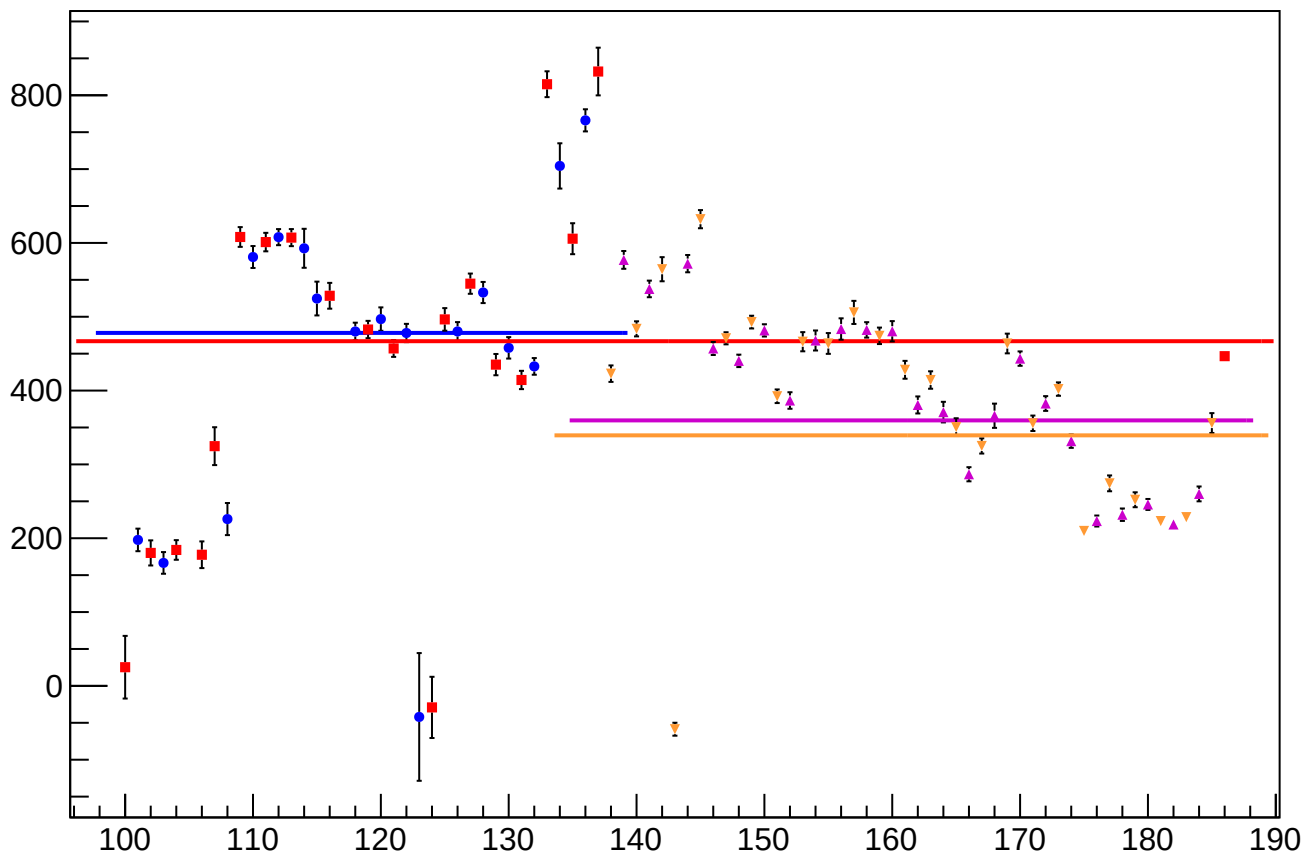
Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

+ sign -0.969 ± 1.185 χ^2/NDF : 668.0/41

All: 0.155 ± 0.846 χ^2/NDF : 1270.1/84

- sign 1.321 ± 1.207 χ^2/NDF : 600.3/42

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.121 $\pm$ 3.670 χ^2 /NDF: 1627.6/16

Left Out: 339.355 $\pm$ 1.963 χ^2 /NDF: 5502.5/24

Right Out: 466.884 $\pm$ 3.052 χ^2 /NDF: 2300.7/19

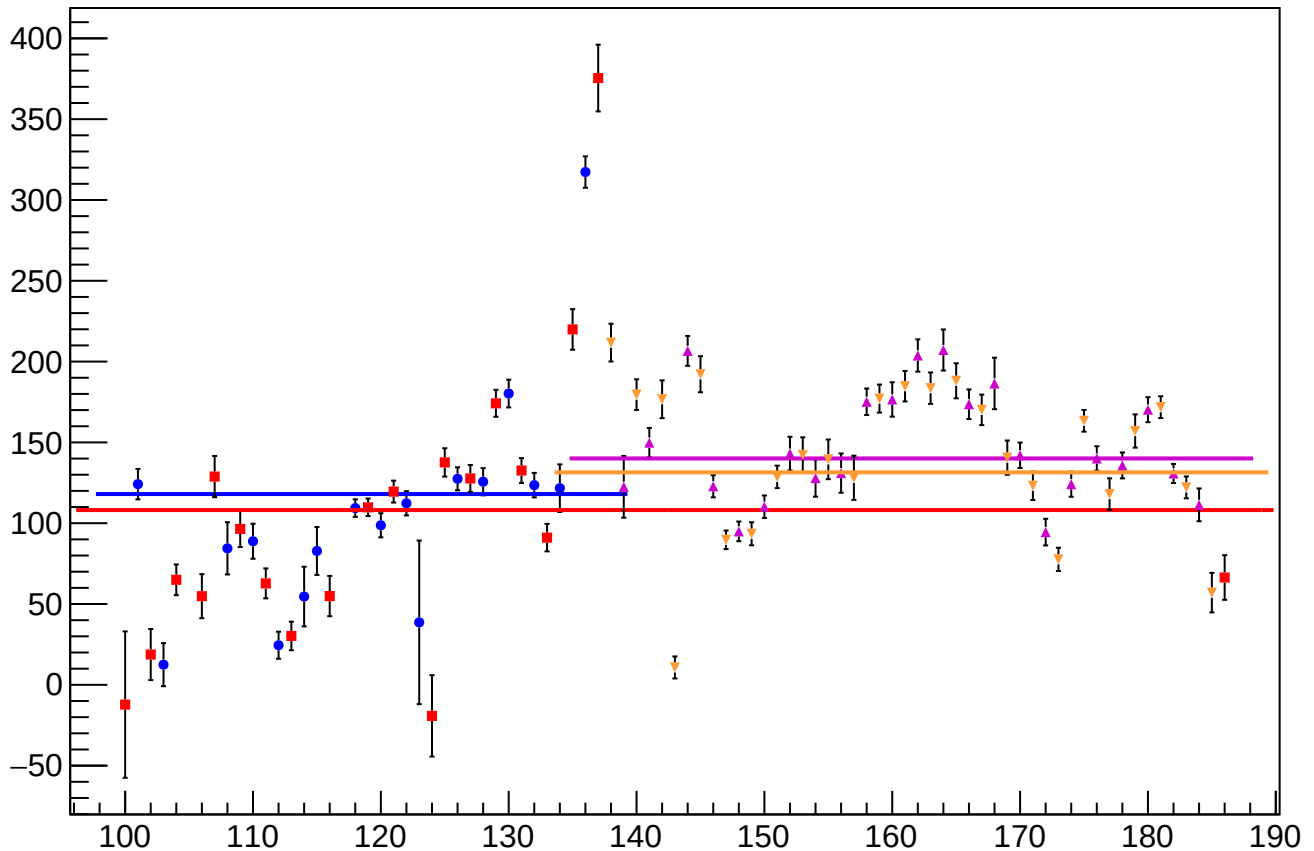
Left In: 359.609 $\pm$ 2.003 χ^2 /NDF: 3398.5/22

+ sign 370.208 $\pm$ 1.731 χ^2 /NDF: 8241.6/41

All: 381.409 $\pm$ 1.203 χ^2 /NDF: 14885.4/84

- sign 391.893 $\pm$ 1.674 χ^2 /NDF: 6562.7/42

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.036 $\pm$ 2.231 χ^2/NDF : 705.1/16

Left Out: 131.464 $\pm$ 1.728 χ^2/NDF : 809.3/24

Right Out: 108.137 $\pm$ 2.181 χ^2/NDF : 577.5/19

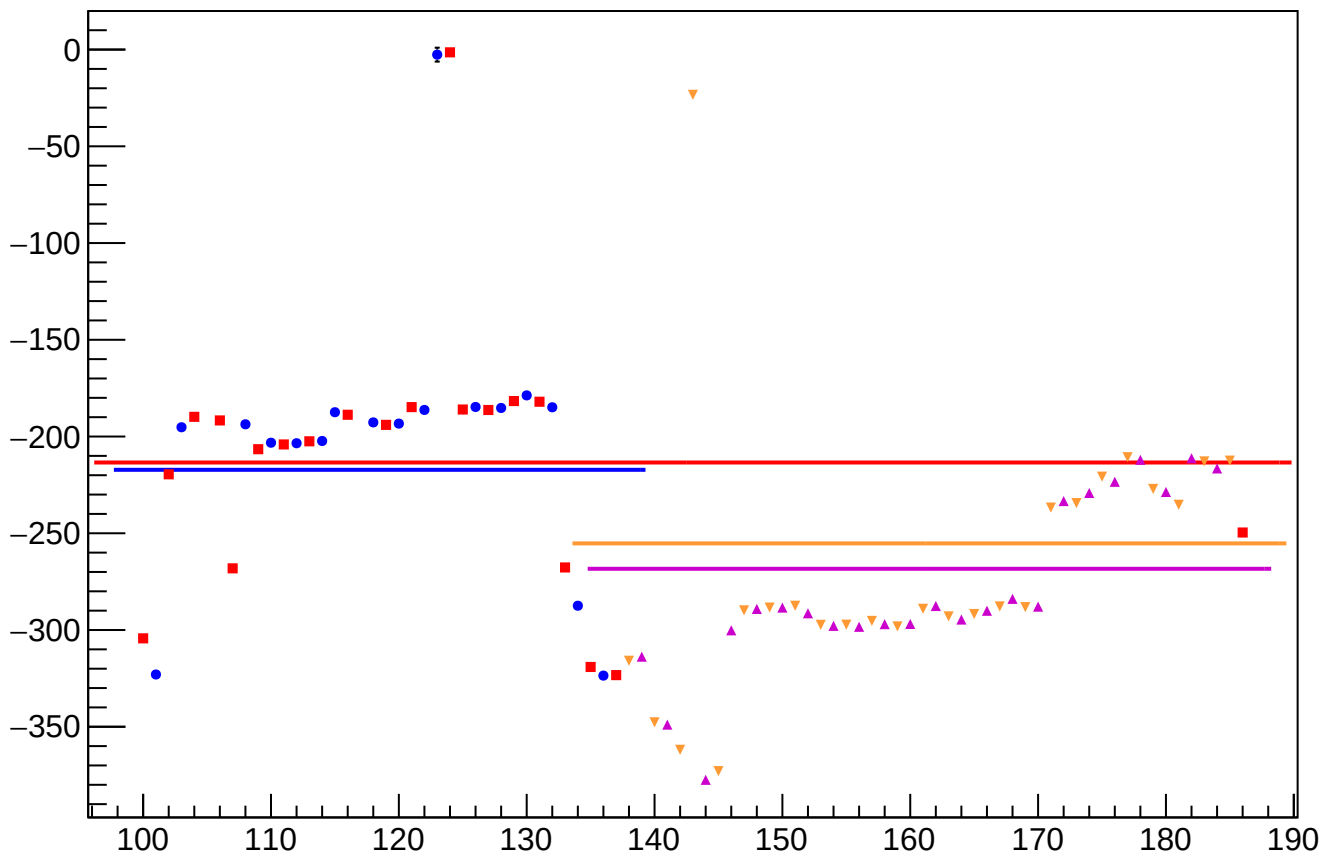
Left In: 140.069 $\pm$ 1.795 χ^2/NDF : 316.5/22

+ sign 126.429 $\pm$ 1.366 χ^2/NDF : 1537.0/41

All: 126.797 $\pm$ 0.973 χ^2/NDF : 2559.0/84

- sign 127.176 $\pm$ 1.386 χ^2/NDF : 1021.8/42

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.198 ± 0.137 $\chi^2/\text{NDF}: 146444.6/16$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -213.423 ± 0.129 $\chi^2/\text{NDF}: 116918.7/19$

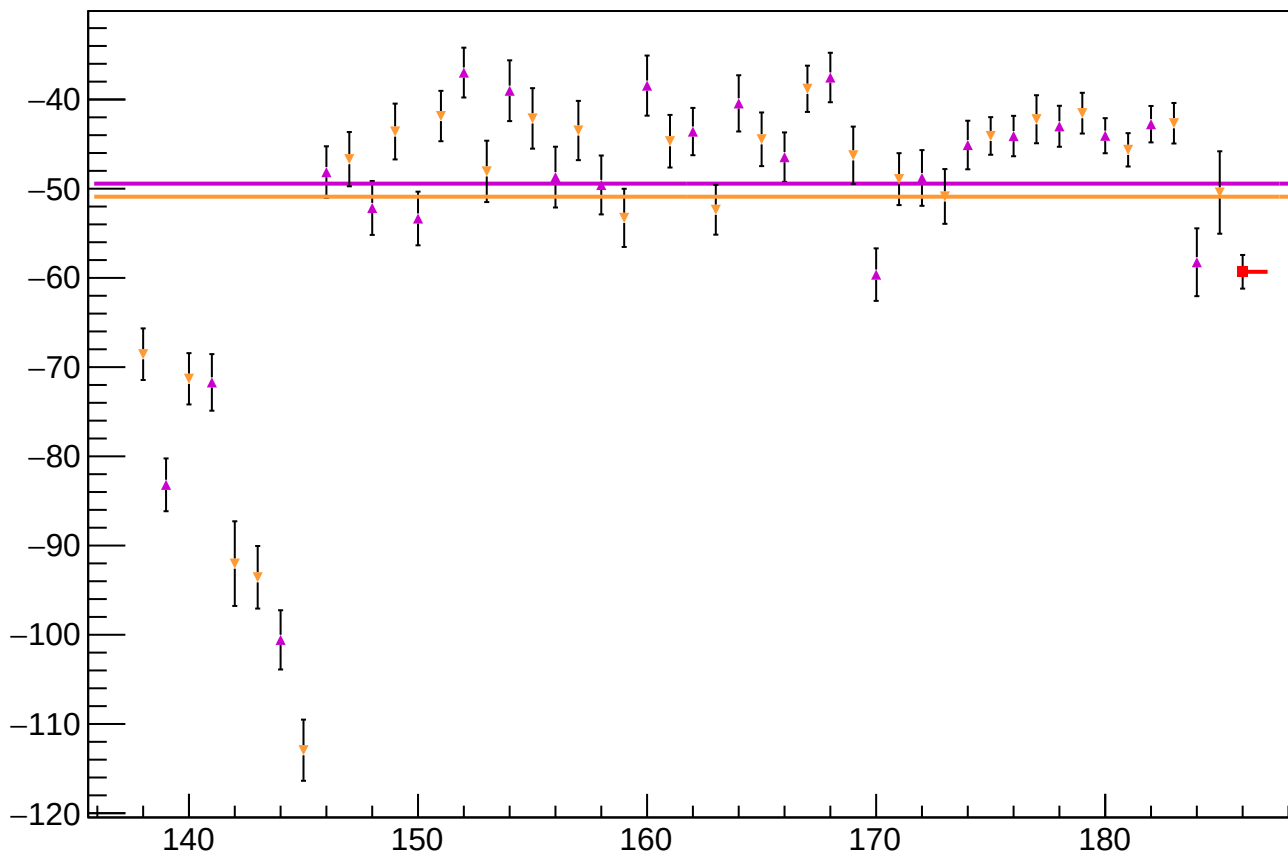
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.185 ± 0.070 $\chi^2/\text{NDF}: 931345.5/41$

All: -248.665 ± 0.050 $\chi^2/\text{NDF}: 1443033.3/84$

- sign -252.135 ± 0.070 $\chi^2/\text{NDF}: 506794.5/42$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -59.314 ± 1.886 χ^2/NDF : 0.0/0

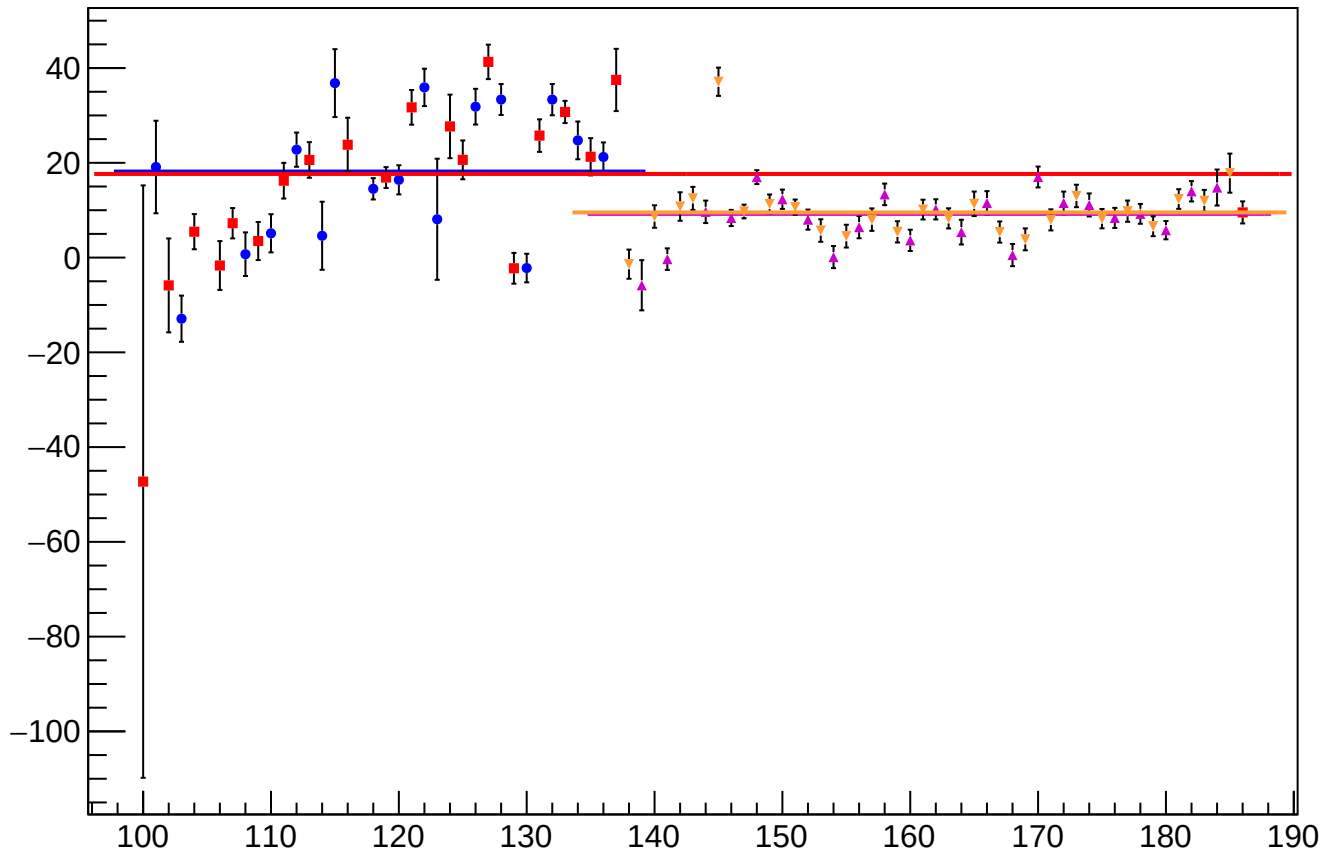
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -50.589 ± 0.400 χ^2/NDF : 1330.2/48

- sign -50.296 ± 0.558 χ^2/NDF : 568.5/23

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.157 ± 0.919 χ^2/NDF : 206.6/16

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 17.651 ± 0.810 χ^2/NDF : 212.9/19

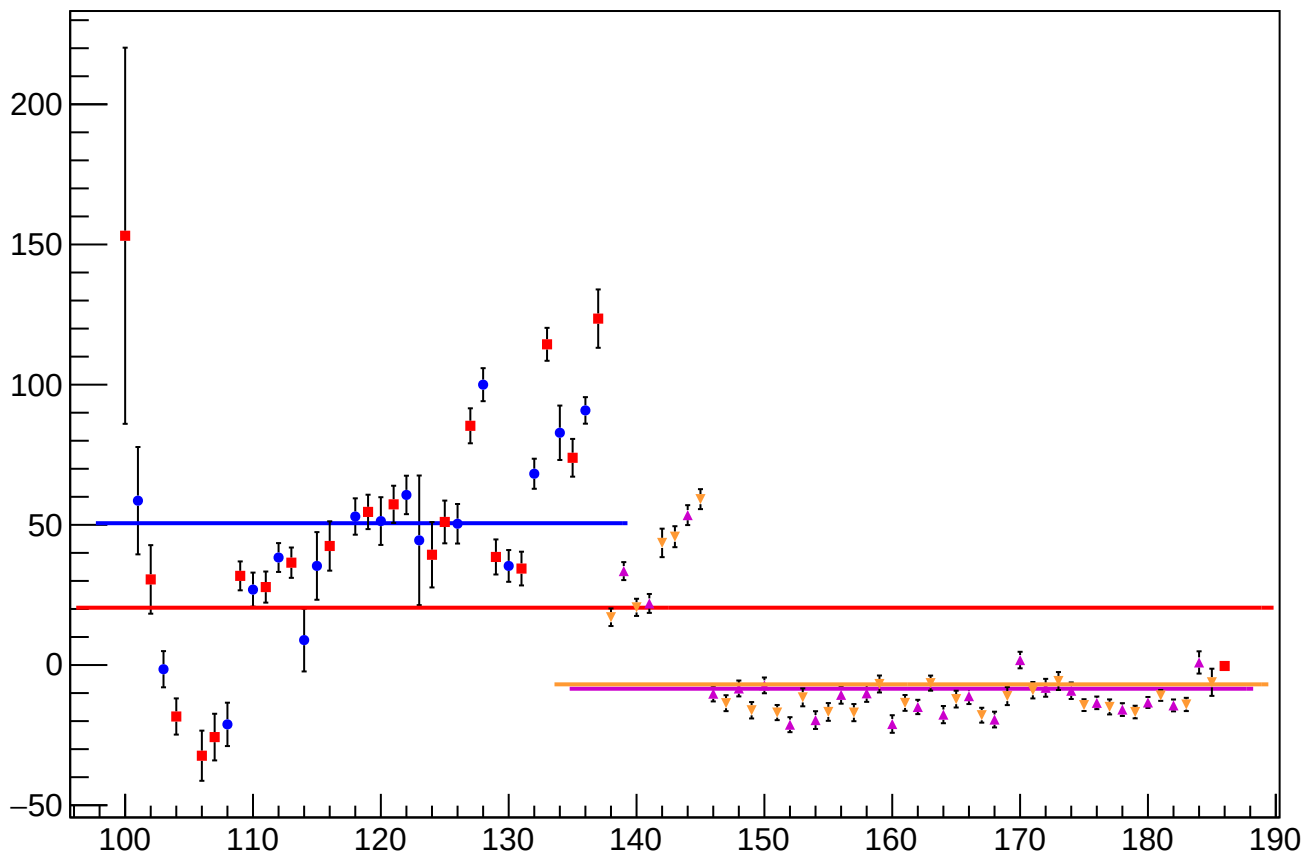
Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

+ sign 11.175 ± 0.401 χ^2/NDF : 412.3/41

All: 11.236 ± 0.284 χ^2/NDF : 830.8/84

- sign 11.297 ± 0.401 χ^2/NDF : 418.4/42

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.587 $\pm$ 1.681 χ^2 /NDF: 361.7/16

Left Out: -6.888 $\pm$ 0.571 χ^2 /NDF: 914.2/24

Right Out: 20.449 $\pm$ 1.100 χ^2 /NDF: 937.1/19

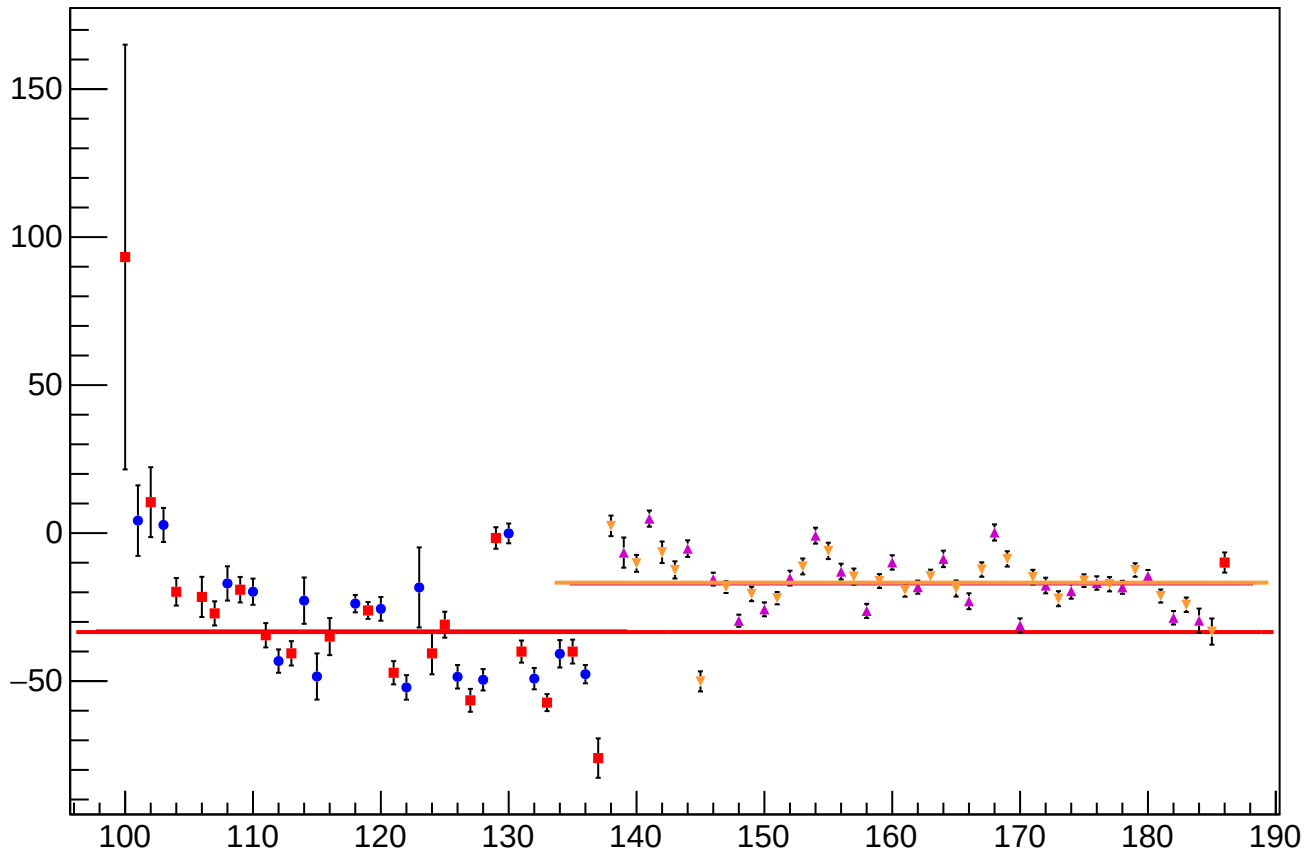
Left In: -8.451 $\pm$ 0.580 χ^2 /NDF: 688.9/22

+ sign -0.940 $\pm$ 0.541 χ^2 /NDF: 2324.6/41

All: -1.585 $\pm$ 0.372 χ^2 /NDF: 4493.6/84

- sign -2.166 $\pm$ 0.513 χ^2 /NDF: 2166.3/42

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.238 ± 1.045 χ^2/NDF : 291.4/16

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -33.432 ± 0.953 χ^2/NDF : 340.7/19

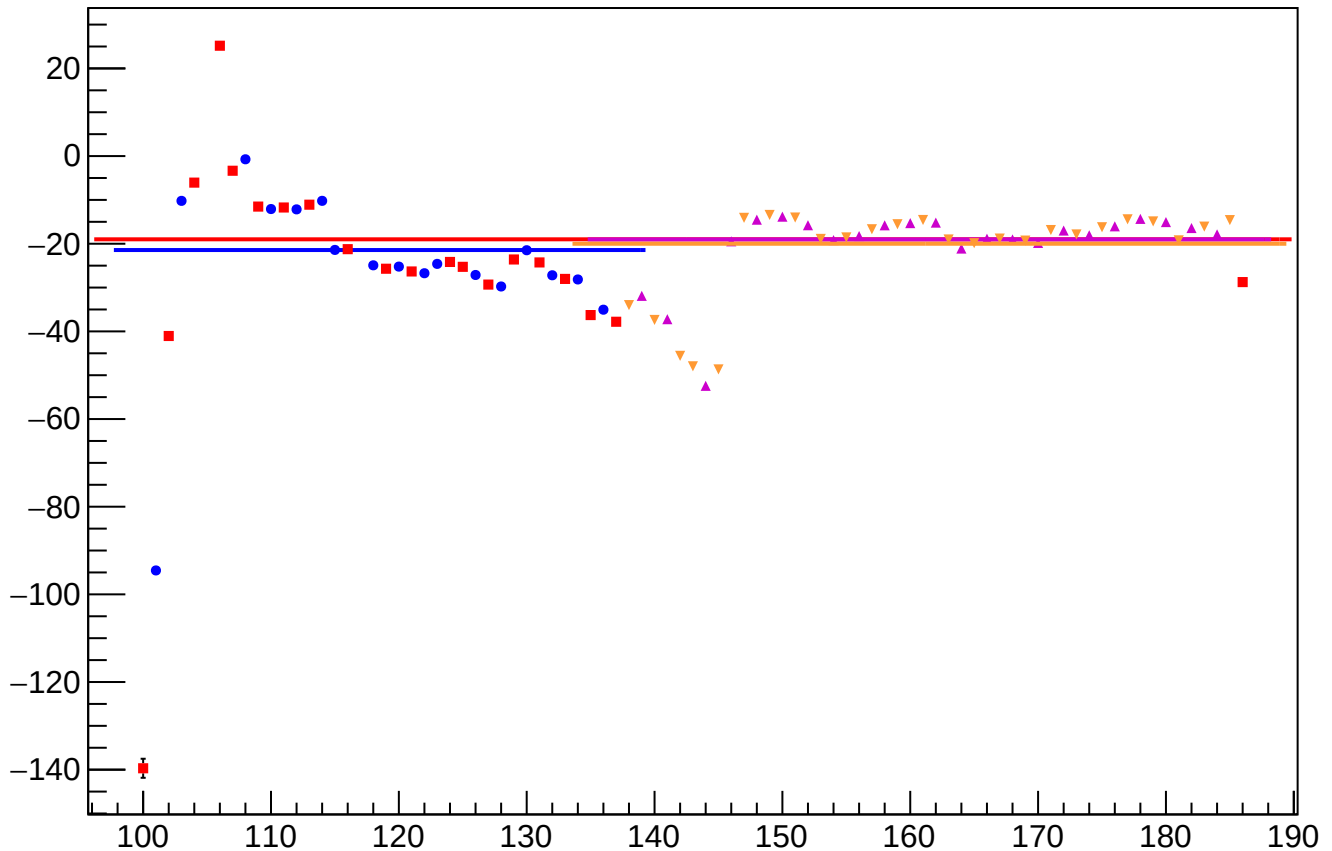
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.873 ± 0.456 χ^2/NDF : 716.5/41

All: -20.337 ± 0.323 χ^2/NDF : 1614.8/84

- sign -20.806 ± 0.458 χ^2/NDF : 896.2/42

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.439 ± 0.059 χ^2/NDF : 48930.7/16

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -18.991 ± 0.056 χ^2/NDF : 82134.4/19

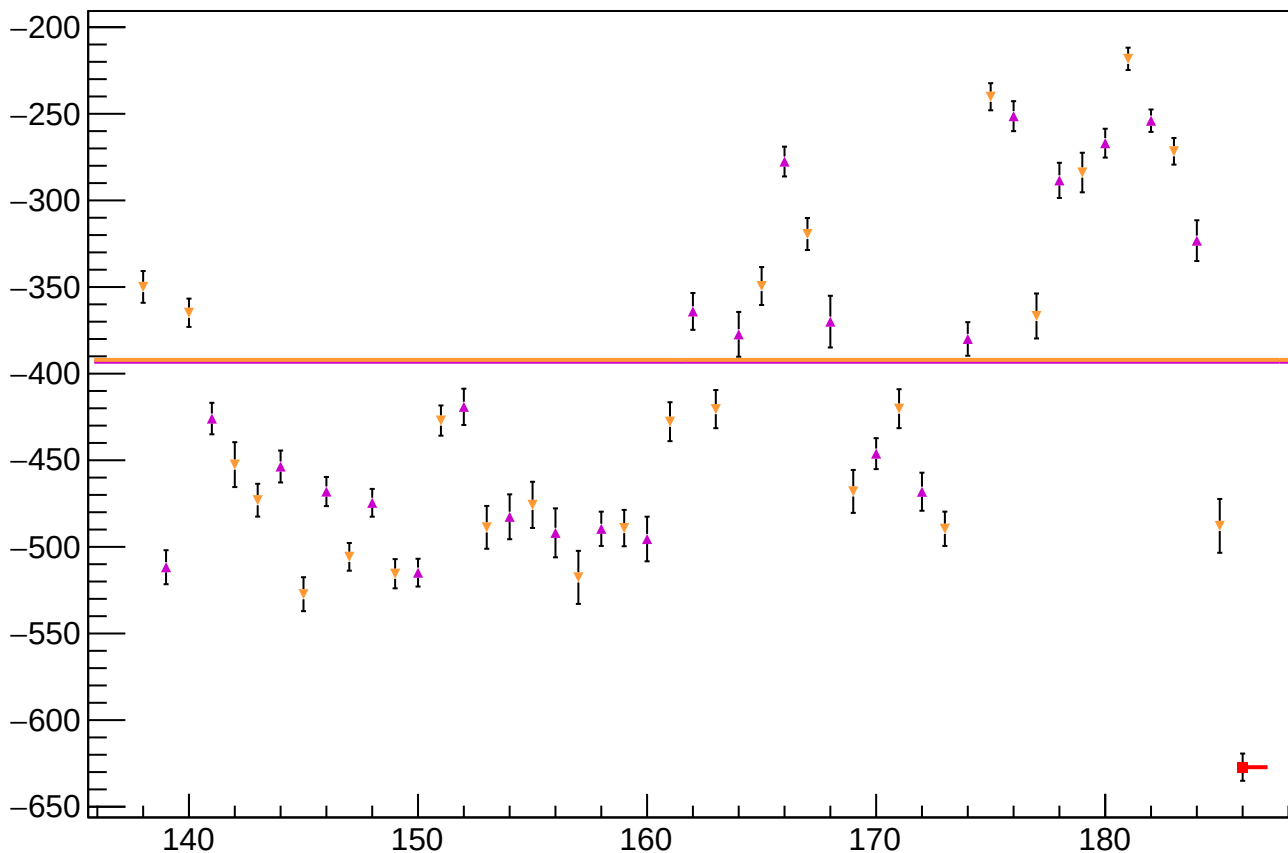
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -20.199 ± 0.022 χ^2/NDF : 195065.3/41

All: -19.606 ± 0.015 χ^2/NDF : 369582.4/84

- sign -19.005 ± 0.022 χ^2/NDF : 173007.8/42

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -392.054 $\pm$ 1.967 χ^2 /NDF:2717.2/24

Right Out: -627.170 $\pm$ 7.862 χ^2 /NDF: 0.0/0

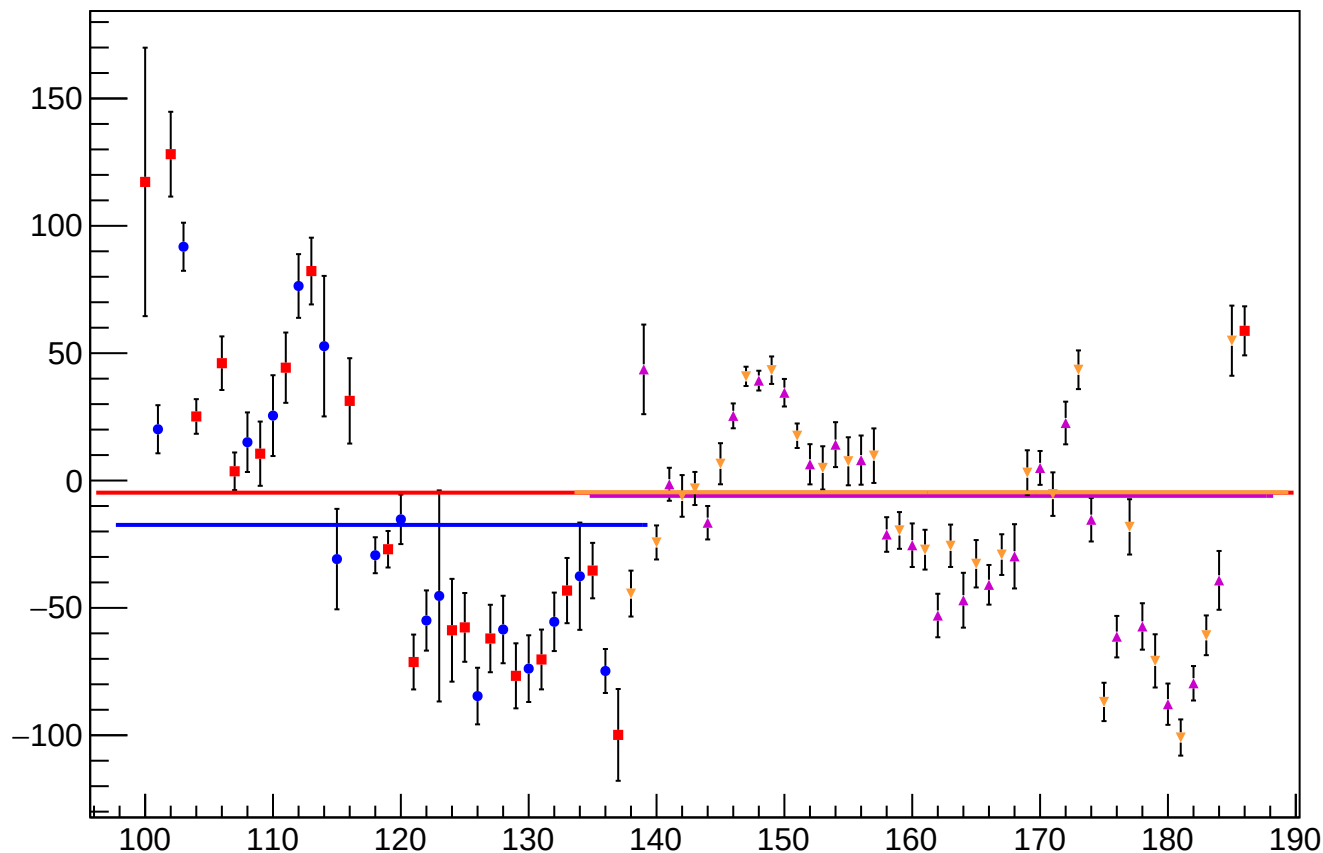
Left In: -393.113 $\pm$ 2.006 χ^2 /NDF:2253.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -399.825 $\pm$ 1.382 χ^2 /NDF: 5833.4/48

- sign -407.412 $\pm$ 1.943 χ^2 /NDF: 3085.4/23

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.419 ± 2.826 $\chi^2/\text{NDF}: 362.1/16$

Left Out: -4.624 ± 1.462 $\chi^2/\text{NDF}: 772.9/24$

Right Out: -4.757 ± 2.520 $\chi^2/\text{NDF}: 416.0/19$

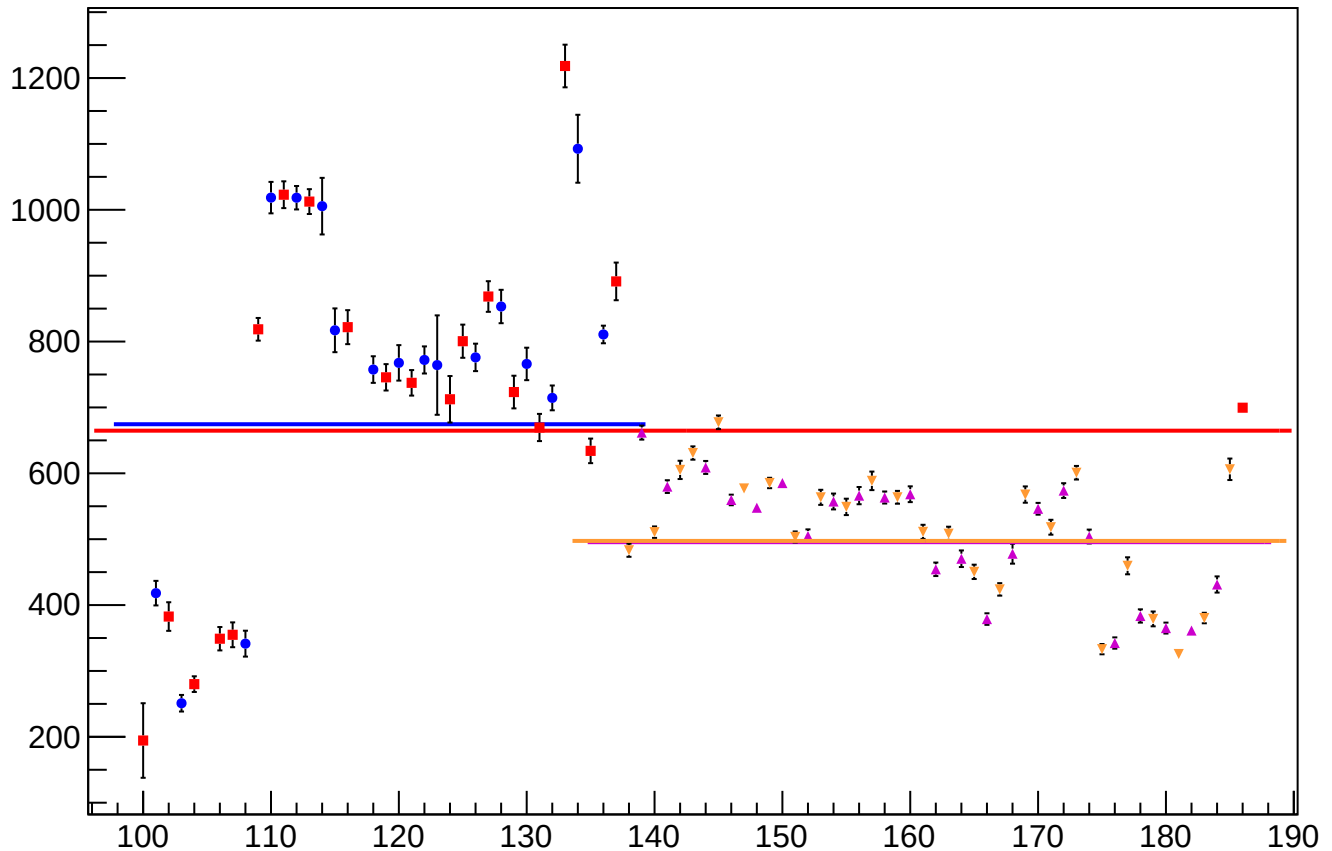
Left In: -6.019 ± 1.516 $\chi^2/\text{NDF}: 654.1/22$

+ sign -7.327 ± 1.299 $\chi^2/\text{NDF}: 1151.1/41$

All: -6.506 ± 0.918 $\chi^2/\text{NDF}: 2222.2/84$

- sign -5.683 ± 1.299 $\chi^2/\text{NDF}: 1070.3/42$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 674.502 $\pm$ 5.076 χ^2 /NDF: 2580.6/16

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF: 2614.6/24

Right Out: 664.727 $\pm$ 3.794 χ^2 /NDF: 3168.9/19

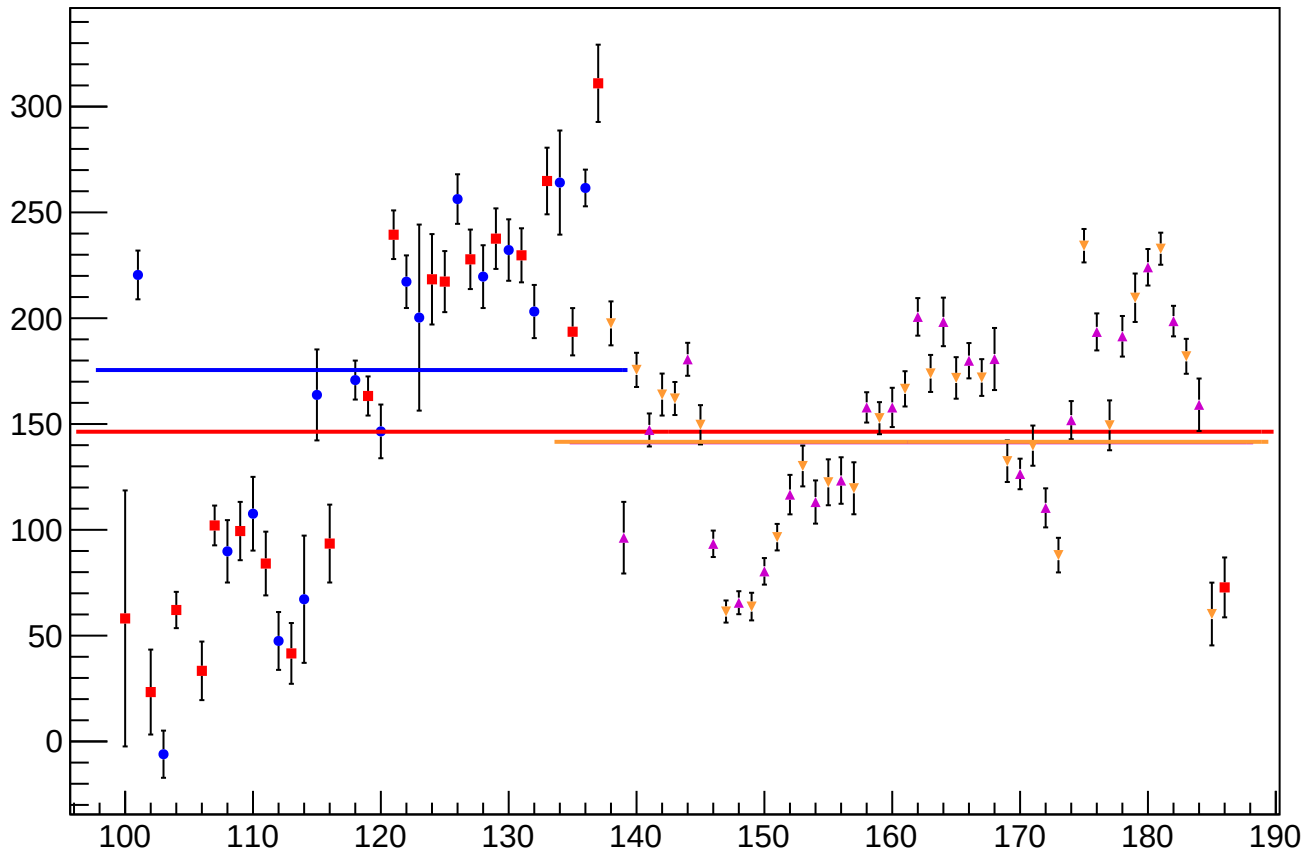
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 520.481 $\pm$ 1.833 χ^2 /NDF: 6253.8/41

All: 526.480 $\pm$ 1.271 χ^2 /NDF: 13257.4/84

- sign 532.033 $\pm$ 1.764 χ^2 /NDF: 6982.9/42

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.509 $\pm$ 3.245 χ^2 /NDF: 635.4/16

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 146.360 $\pm$ 2.978 χ^2 /NDF: 719.5/19

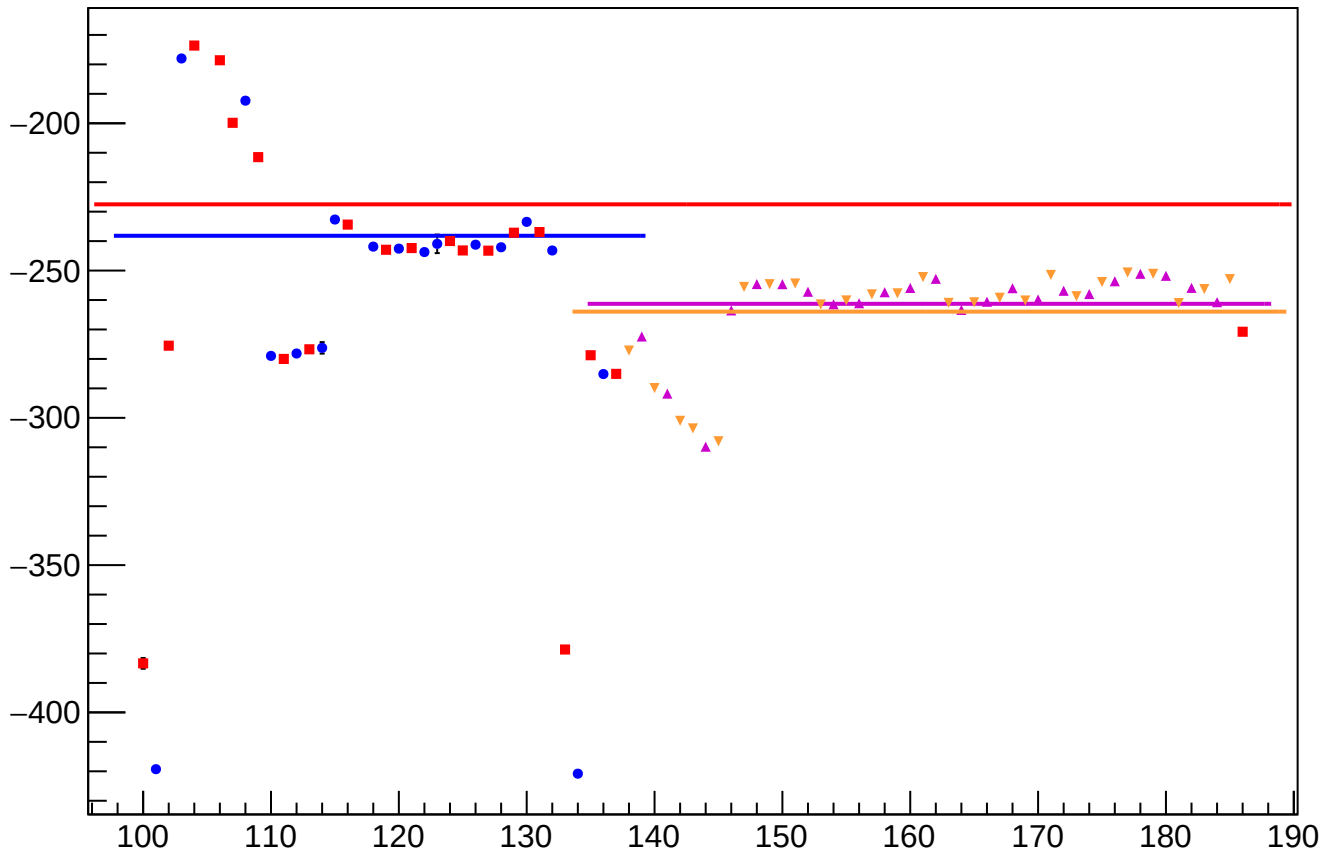
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 148.881 $\pm$ 1.505 χ^2 /NDF: 1680.8/41

All: 145.767 $\pm$ 1.065 χ^2 /NDF: 3152.2/84

- sign 142.642 $\pm$ 1.507 χ^2 /NDF: 1462.9/42

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.191 ± 0.161 $\chi^2/\text{NDF}: 167088.3/16$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

Right Out: -227.518 ± 0.150 $\chi^2/\text{NDF}: 104373.9/19$

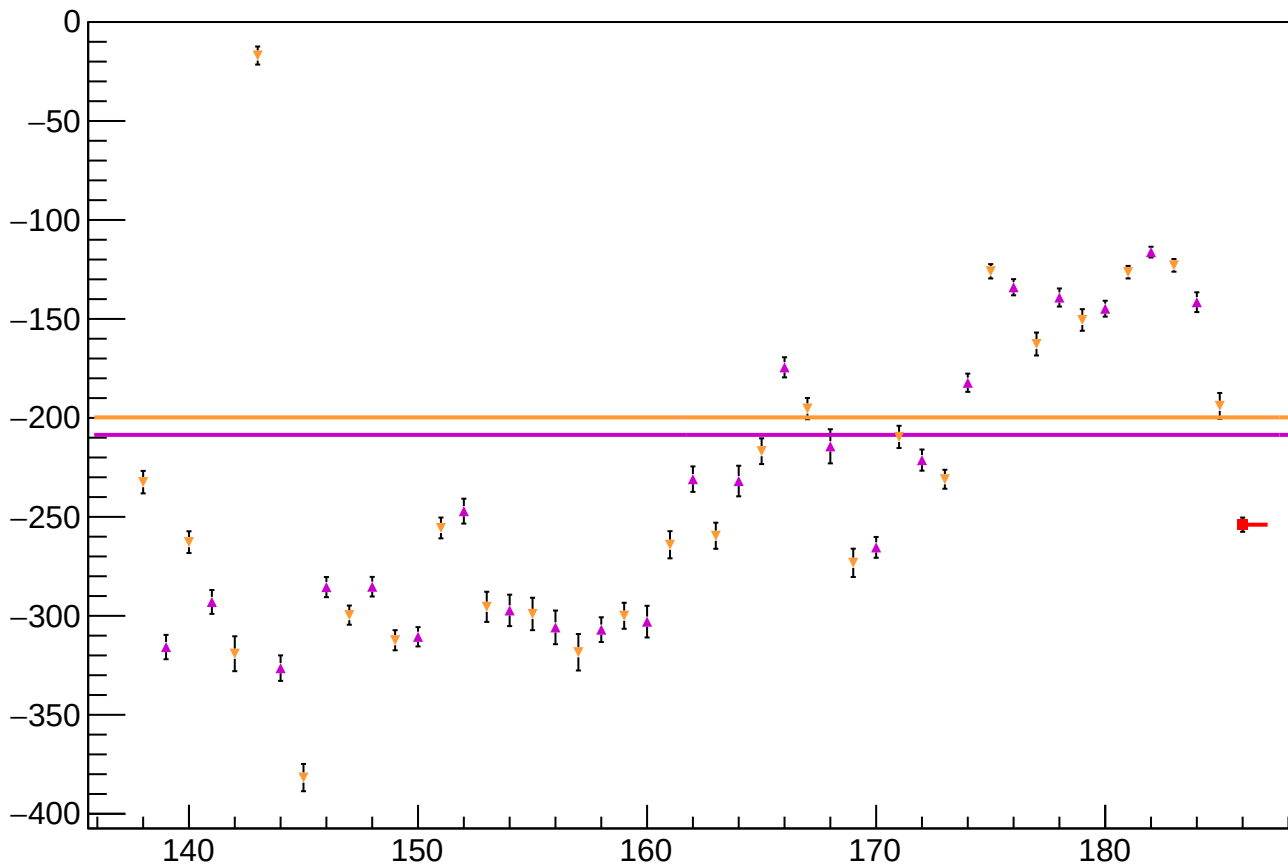
Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

+ sign -258.696 ± 0.072 $\chi^2/\text{NDF}: 226645.5/41$

All: -256.074 ± 0.051 $\chi^2/\text{NDF}: 396110.8/84$

- sign -253.496 ± 0.072 $\chi^2/\text{NDF}: 166871.8/42$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -199.741+/-1.061 χ^2/NDF : 6361.5/24

Right Out: -253.947+/-3.589 χ^2/NDF : 0.0/0

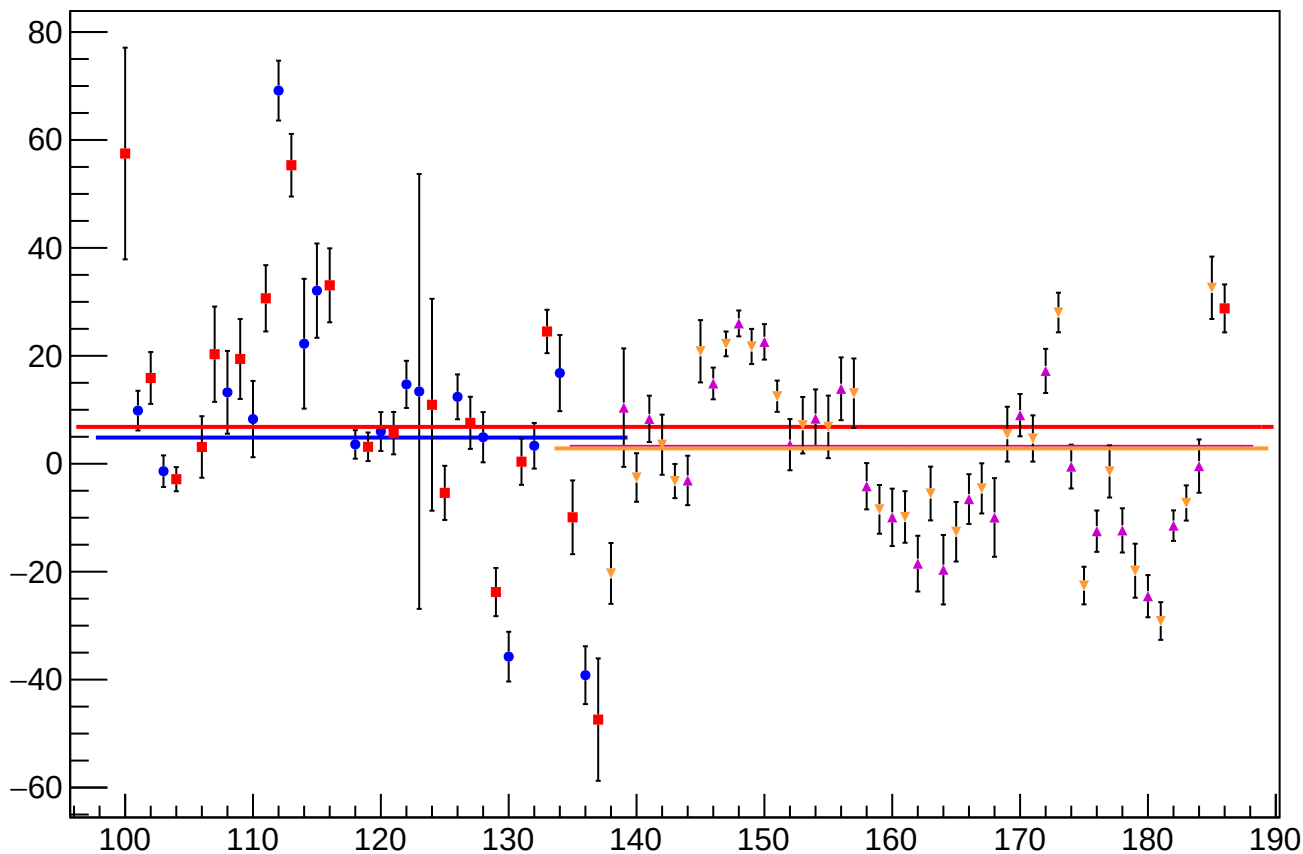
Left In: -208.579+/-1.082 χ^2/NDF : 4805.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -206.201+/-0.741 χ^2/NDF : 11385.5/48

- sign -212.361+/-1.036 χ^2/NDF : 4951.6/23

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.855 ± 1.107 χ^2/NDF : 310.9/16

Left Out: 2.853 ± 0.820 χ^2/NDF : 419.8/24

Right Out: 6.834 ± 1.040 χ^2/NDF : 264.2/19

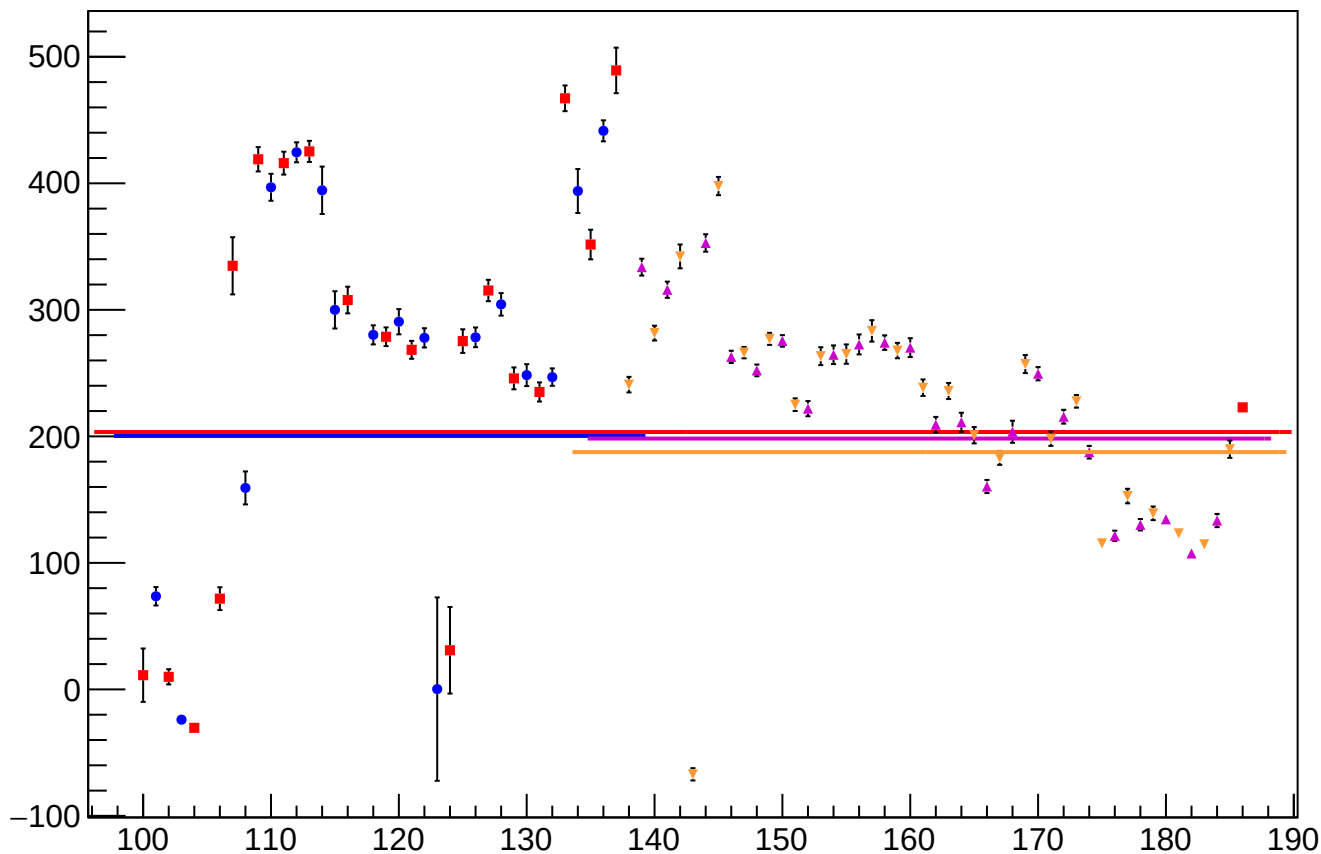
Left In: 3.136 ± 0.857 χ^2/NDF : 319.8/22

+ sign 3.562 ± 0.659 χ^2/NDF : 732.9/41

All: 4.094 ± 0.467 χ^2/NDF : 1325.7/84

- sign 4.630 ± 0.661 χ^2/NDF : 591.5/42

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.347 $\pm$ 1.987 χ^2 /NDF: 6717.6/16

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 203.450 $\pm$ 1.599 χ^2 /NDF: 8309.7/19

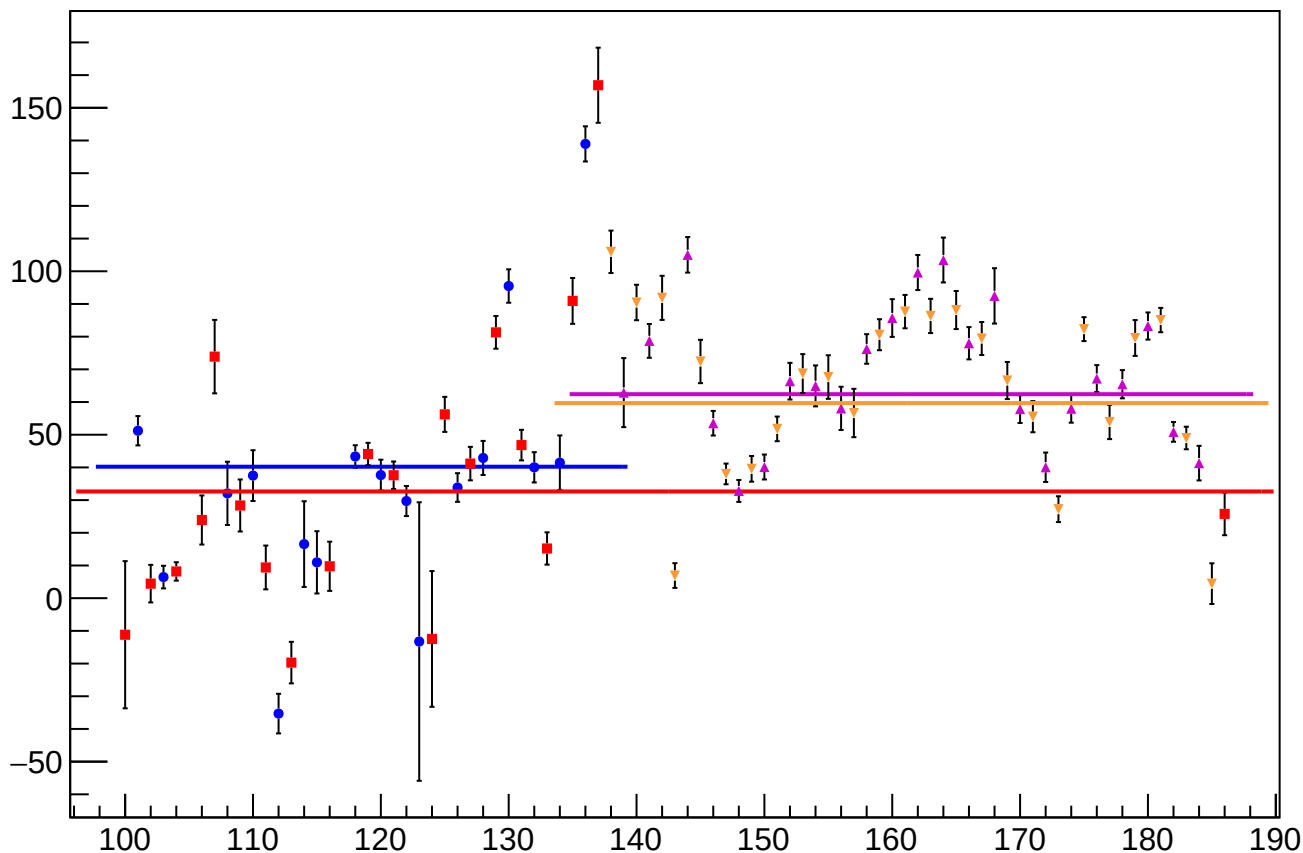
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 190.422 $\pm$ 0.939 χ^2 /NDF: 13831.7/41

All: 195.382 $\pm$ 0.648 χ^2 /NDF: 26717.7/84

- sign 199.895 $\pm$ 0.896 χ^2 /NDF: 12832.7/42

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.214 $\pm$ 1.286 χ^2 /NDF: 733.9/16

Left Out: 59.682 $\pm$ 0.941 χ^2 /NDF: 757.6/24

Right Out: 32.645 $\pm$ 1.230 χ^2 /NDF: 550.9/19

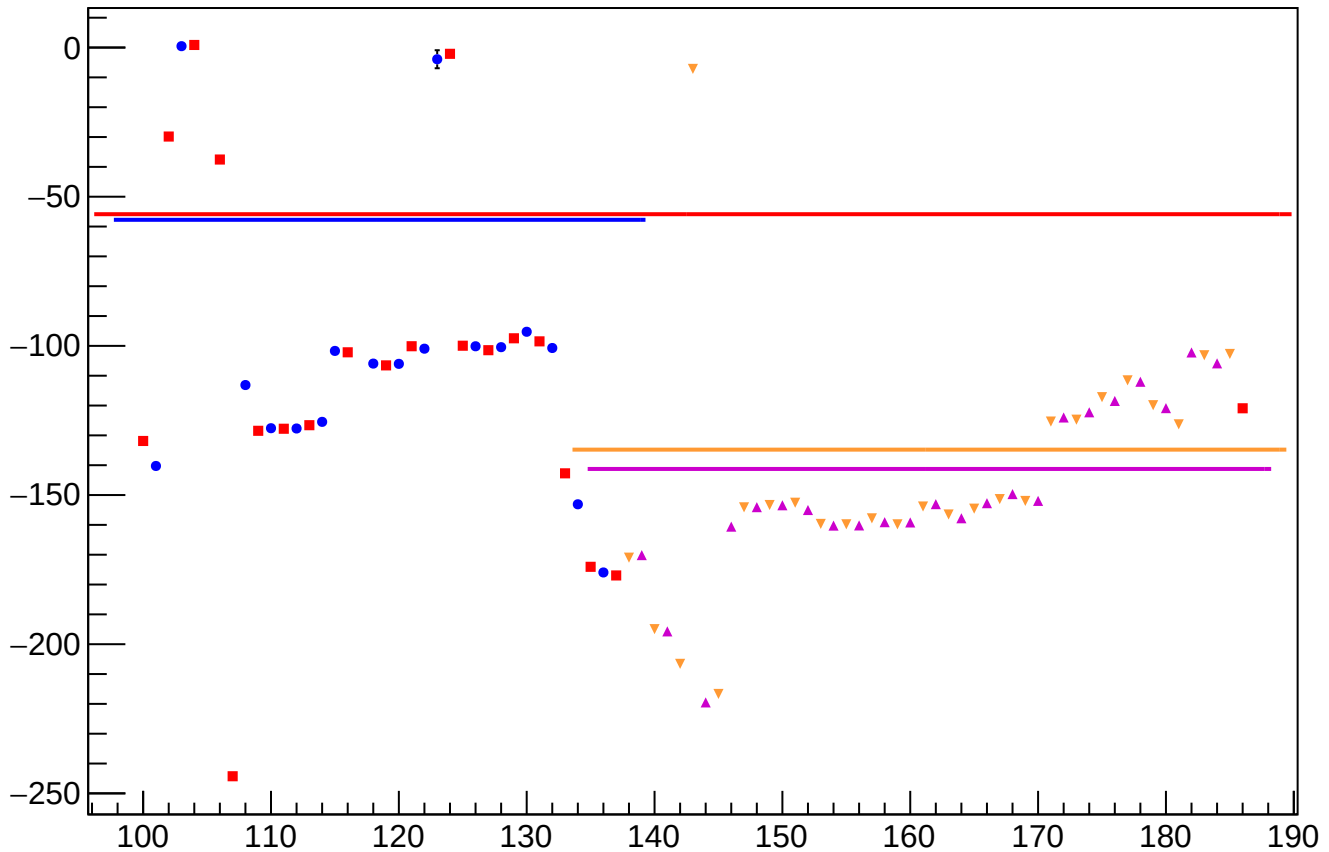
Left In: 62.400 $\pm$ 0.974 χ^2 /NDF: 406.3/22

+ sign 52.894 $\pm$ 0.759 χ^2 /NDF: 1640.9/41

All: 51.918 $\pm$ 0.538 χ^2 /NDF: 2961.0/84

- sign 50.931 $\pm$ 0.764 χ^2 /NDF: 1316.8/42

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.743 ± 0.062 $\chi^2/\text{NDF}: 1100251.3/16$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -55.862 ± 0.060 $\chi^2/\text{NDF}: 1019833.2/19$

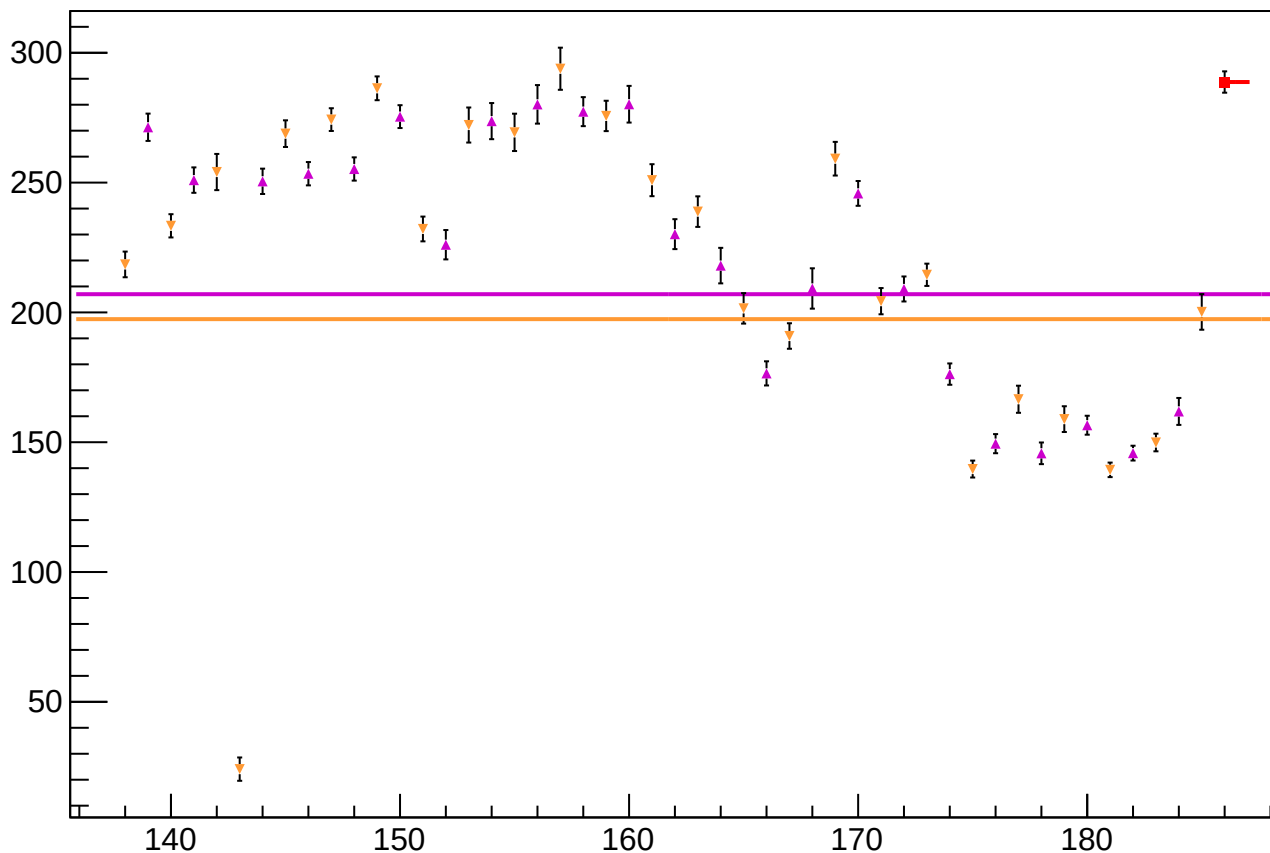
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -108.494 ± 0.036 $\chi^2/\text{NDF}: 2927448.9/41$

All: -109.303 ± 0.026 $\chi^2/\text{NDF}: 5592085.4/84$

- sign -110.110 ± 0.036 $\chi^2/\text{NDF}: 2663636.1/42$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 197.408+/-0.963 χ^2/NDF : 4384.2/24

Right Out: 288.742+/-4.111 χ^2/NDF : 0.0/0

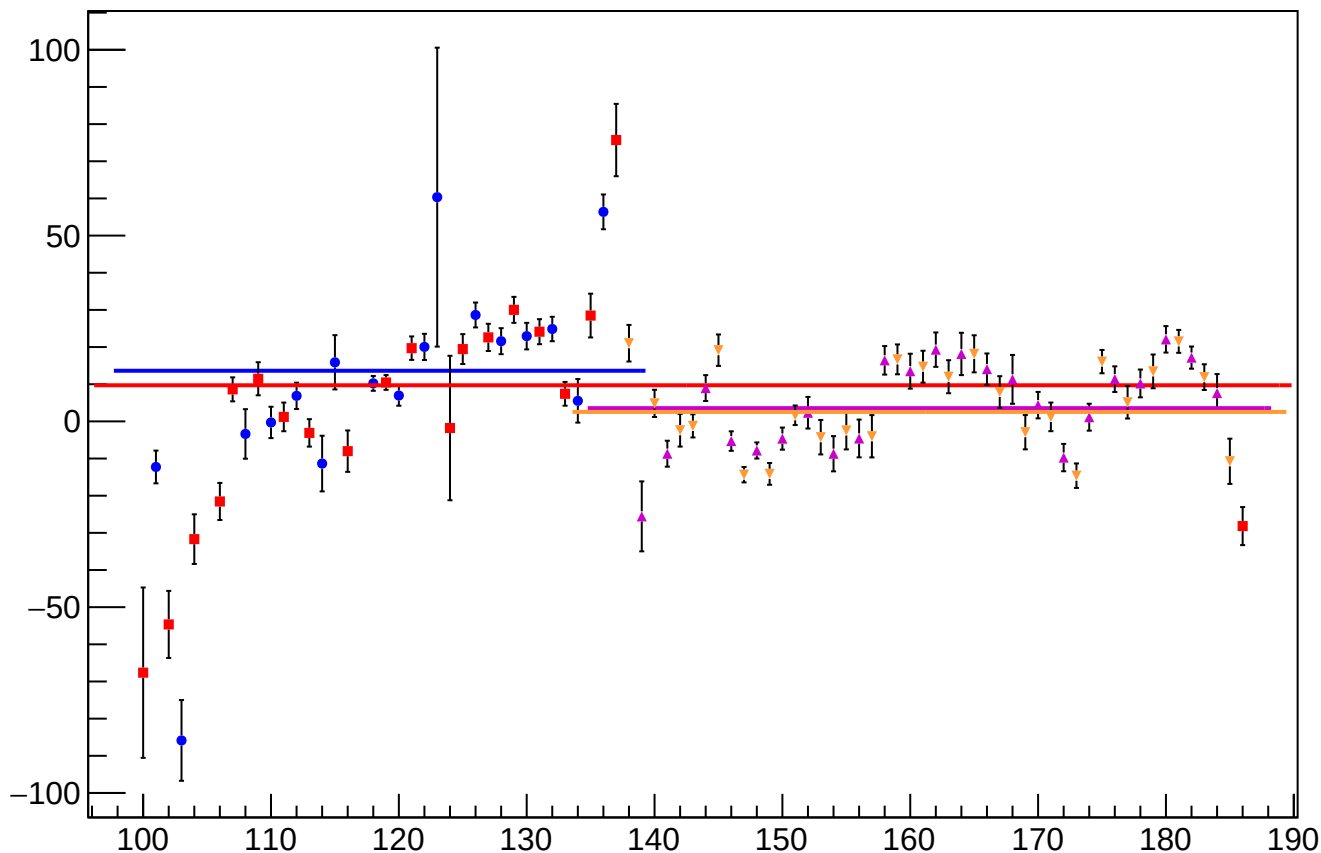
Left In: 207.014+/-0.990 χ^2/NDF : 2611.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 204.454+/-0.681 χ^2/NDF : 7476.4/48

- sign 211.497+/-0.963 χ^2/NDF : 2985.1/23

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.625 $\pm$ 0.938 χ^2 /NDF: 293.3/16

Left Out: 2.548 $\pm$ 0.741 χ^2 /NDF: 275.4/24

Right Out: 9.718 $\pm$ 0.900 χ^2 /NDF: 359.3/19

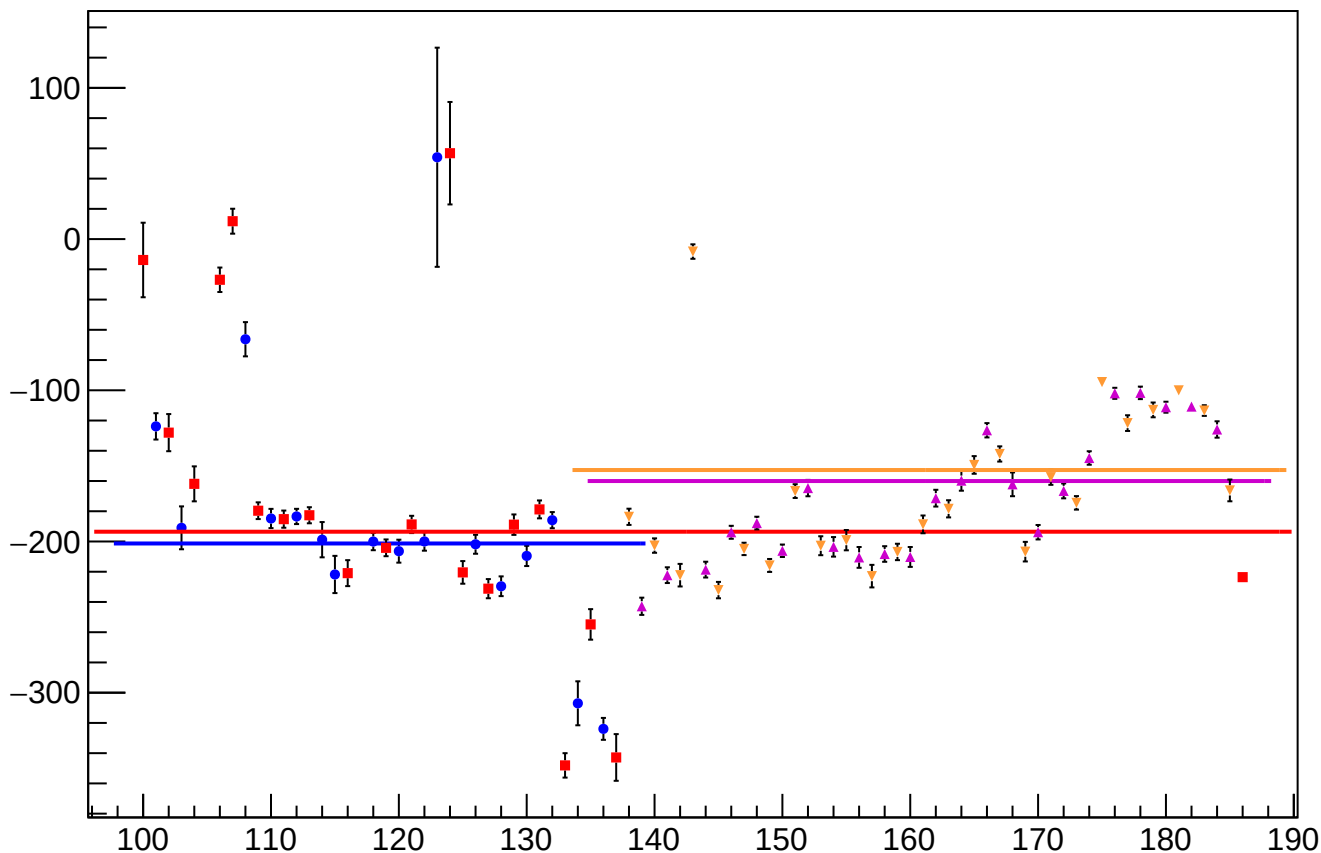
Left In: 3.559 $\pm$ 0.774 χ^2 /NDF: 192.0/22

+ sign 6.803 $\pm$ 0.581 χ^2 /NDF: 654.6/41

All: 6.493 $\pm$ 0.413 χ^2 /NDF: 1233.4/84

- sign 6.176 $\pm$ 0.587 χ^2 /NDF: 578.2/42

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.316 ± 1.800 χ^2/NDF : 624.9/16

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -193.536 ± 1.512 χ^2/NDF : 1851.1/19

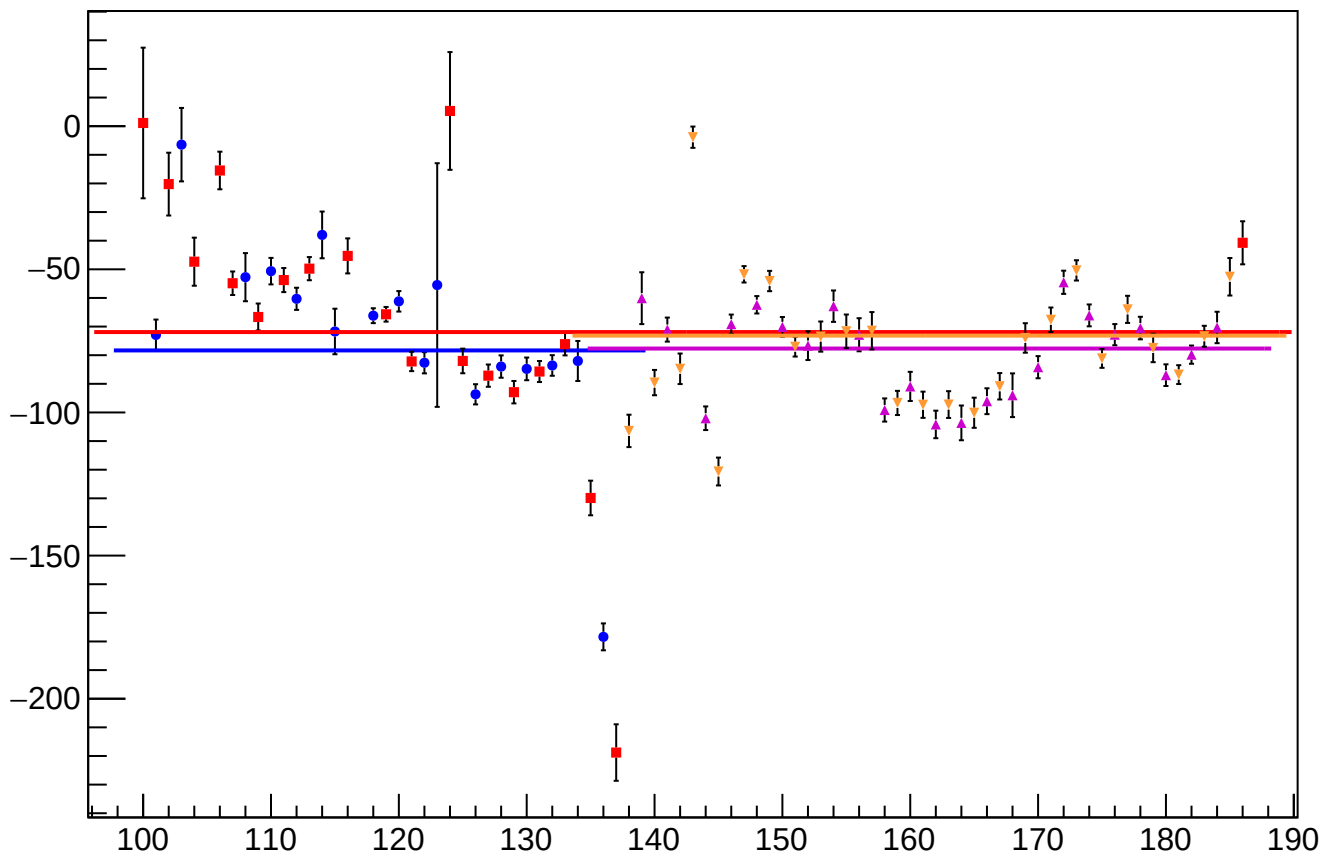
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -163.621 ± 0.852 χ^2/NDF : 4268.1/41

All: -166.934 ± 0.594 χ^2/NDF : 8517.2/84

- sign -170.062 ± 0.827 χ^2/NDF : 4219.7/42

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.334 ± 1.084 χ^2/NDF : 649.9/16

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -71.919 ± 1.044 χ^2/NDF : 623.0/19

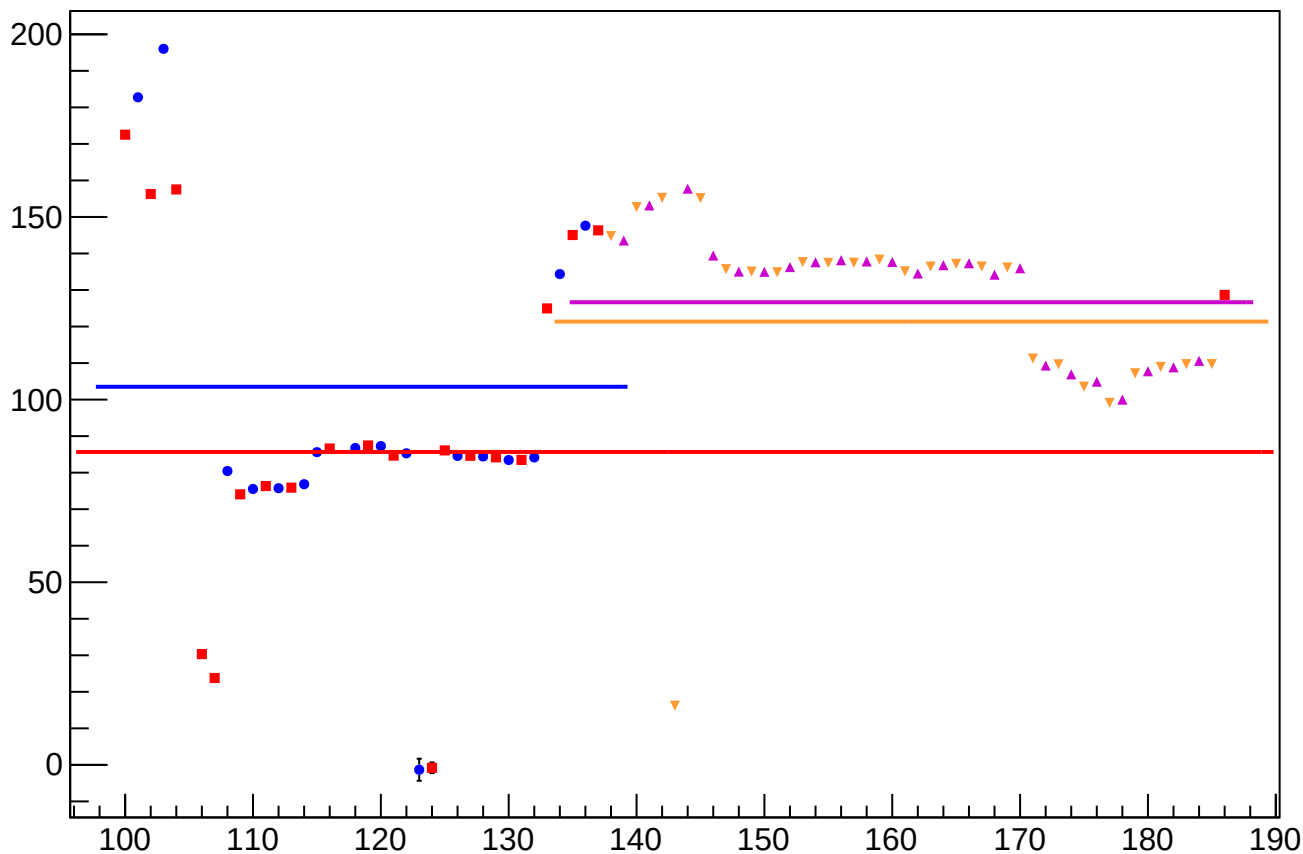
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -75.137 ± 0.669 χ^2/NDF : 1452.5/41

All: -75.206 ± 0.475 χ^2/NDF : 2341.5/84

- sign -75.275 ± 0.674 χ^2/NDF : 889.0/42

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.509 $\pm$ 0.071 χ^2/NDF : 272499.7/16

Left Out: 121.356 $\pm$ 0.040 χ^2/NDF : 481977.3/24

Right Out: 85.665 $\pm$ 0.063 χ^2/NDF : 429072.6/19

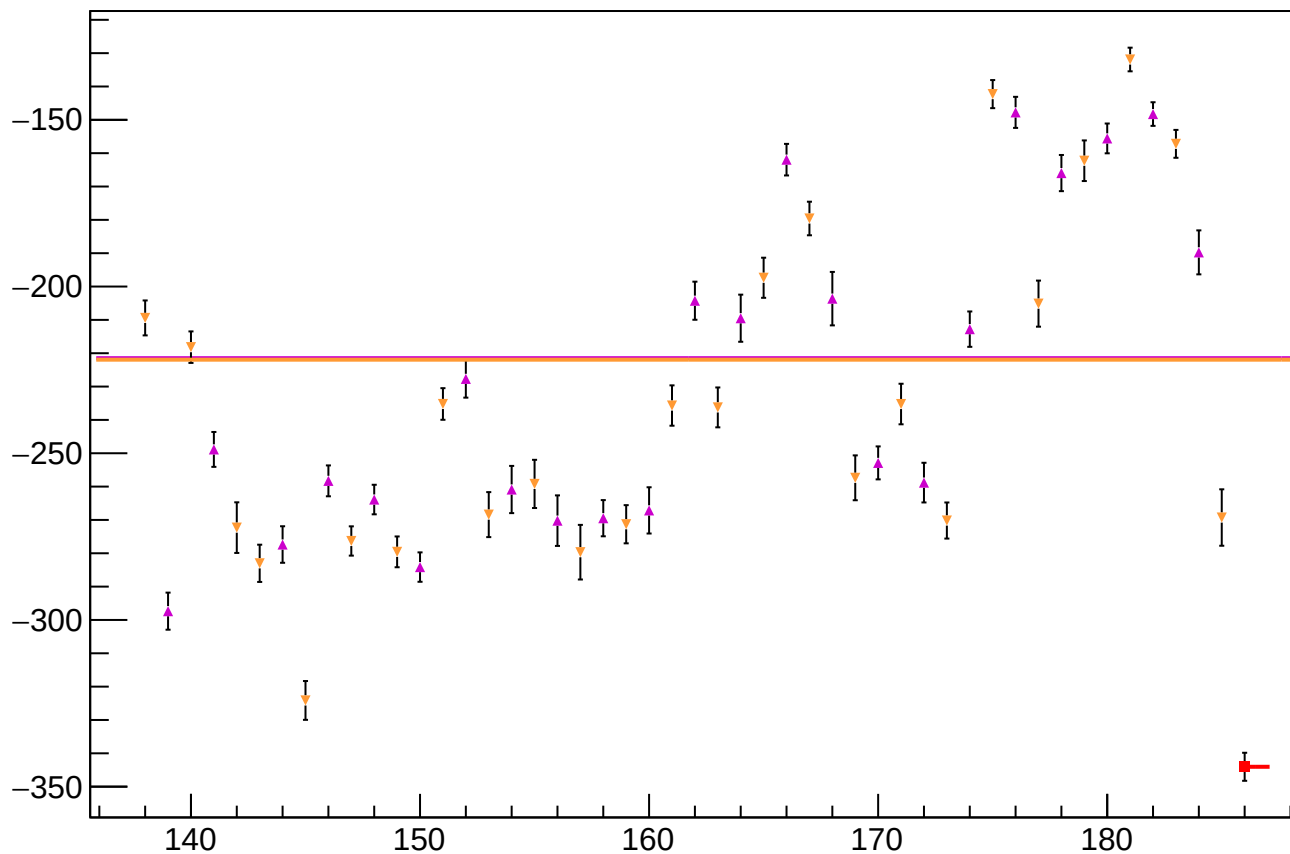
Left In: 126.653 $\pm$ 0.041 χ^2/NDF : 163046.1/22

+ sign 117.007 $\pm$ 0.035 χ^2/NDF : 802251.0/41

All: 115.746 $\pm$ 0.025 χ^2/NDF : 1691498.1/84

- sign 114.527 $\pm$ 0.034 χ^2/NDF : 886700.8/42

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -221.934 $\pm$ 1.084 χ^2 /NDF:2578.4/24

Right Out: -344.039 $\pm$ 4.204 χ^2 /NDF: 0.0/0

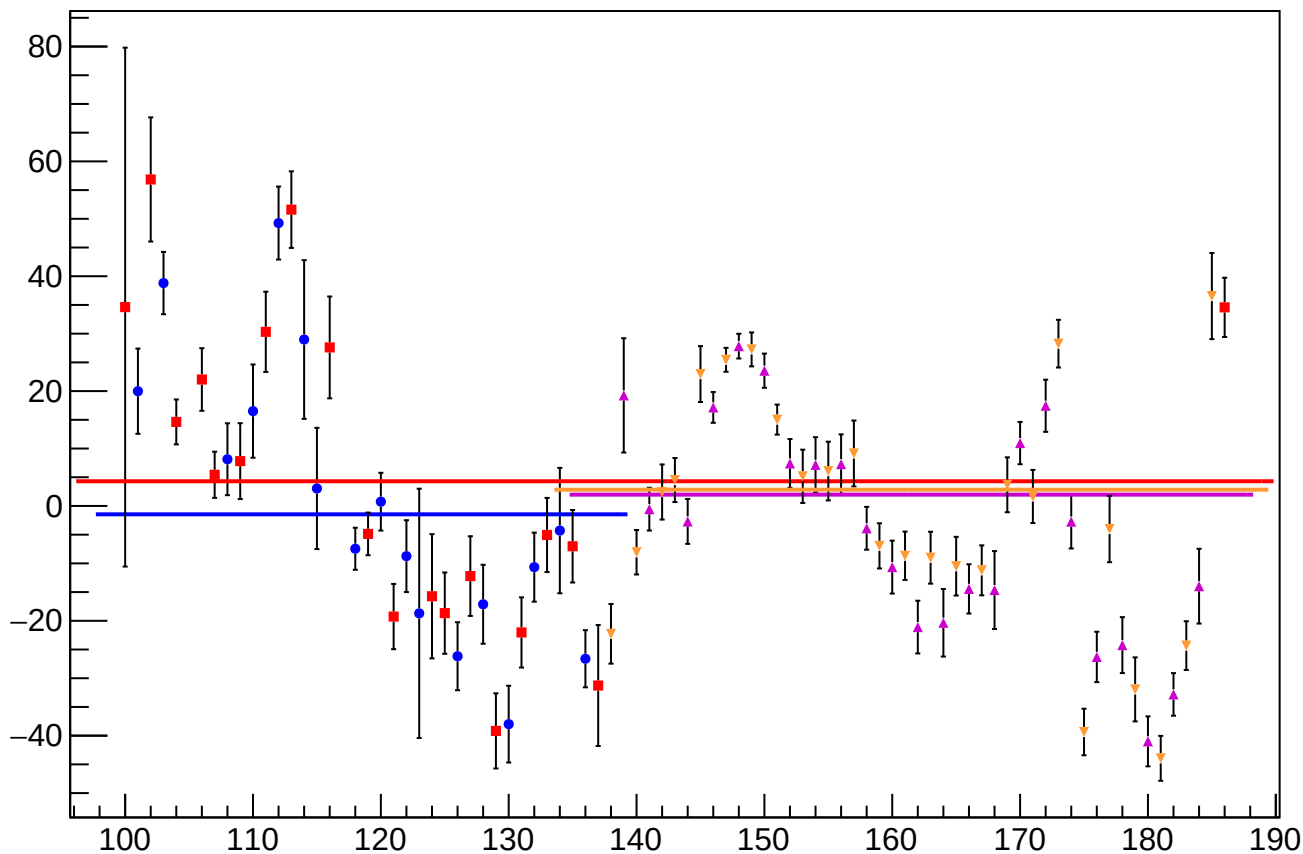
Left In: -221.483 $\pm$ 1.102 χ^2 /NDF:2149.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -225.713 $\pm$ 0.760 χ^2 /NDF: 5547.3/48

- sign -229.366 $\pm$ 1.066 χ^2 /NDF: 2945.0/23

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.459 ± 1.539 χ^2/NDF : 224.8/16

Left Out: 2.832 ± 0.807 χ^2/NDF : 686.9/24

Right Out: 4.302 ± 1.352 χ^2/NDF : 269.8/19

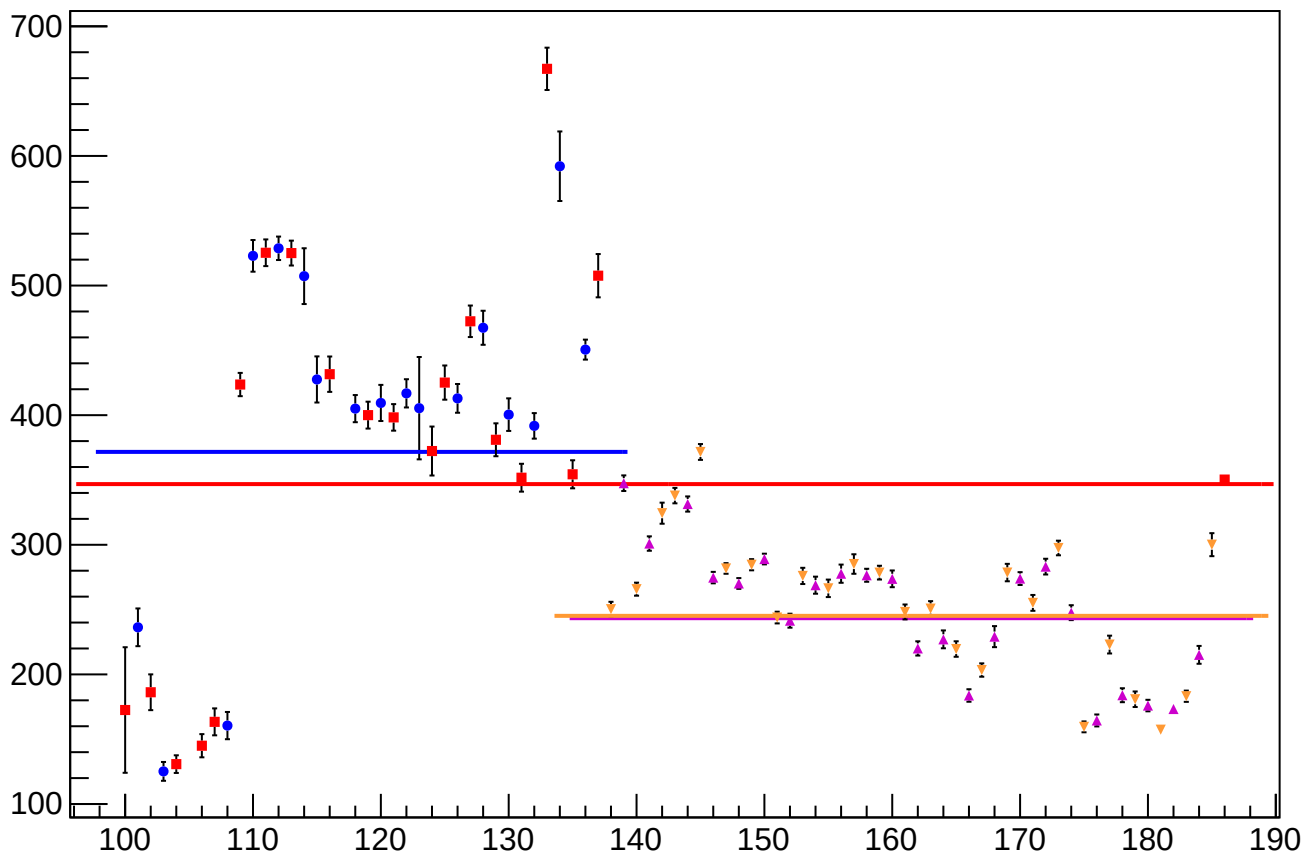
Left In: 1.969 ± 0.835 χ^2/NDF : 589.1/22

+ sign 1.907 ± 0.715 χ^2/NDF : 917.8/41

All: 2.262 ± 0.504 χ^2/NDF : 1779.3/84

- sign 2.613 ± 0.710 χ^2/NDF : 861.0/42

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.672 $\pm$ 2.783 χ^2 /NDF: 2430.1/16

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF:2597.4/24

Right Out: 346.822 $\pm$ 2.037 χ^2 /NDF: 3414.4/19

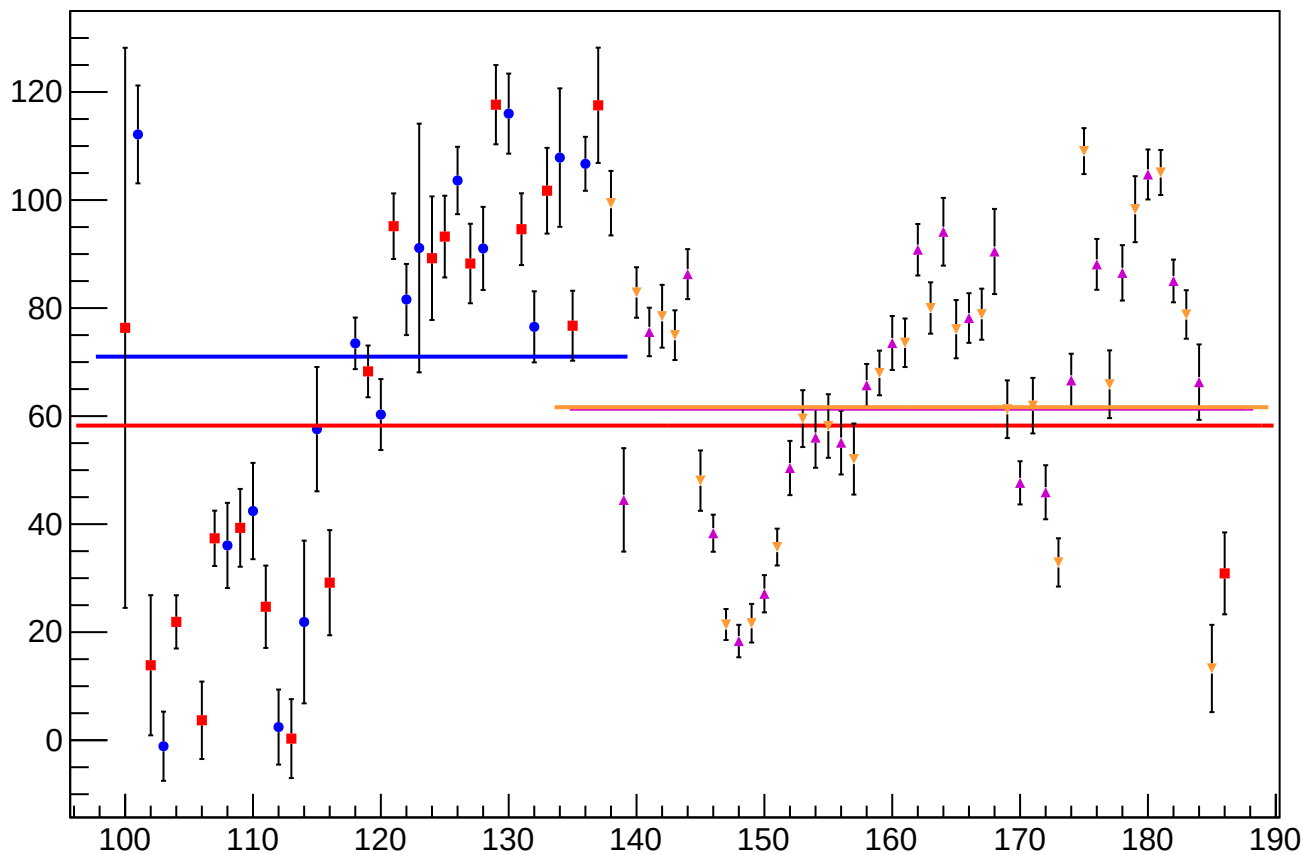
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF:2236.7/22

+ sign 261.788 $\pm$ 1.008 χ^2 /NDF: 6822.0/41

All: 264.254 $\pm$ 0.697 χ^2 /NDF: 14486.0/84

- sign 266.506 $\pm$ 0.964 χ^2 /NDF: 7652.6/42

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.009 $\pm$ 1.768 χ^2 /NDF: 424.1/16

Left Out: 61.647 $\pm$ 0.936 χ^2 /NDF: 871.5/24

Right Out: 58.248 $\pm$ 1.597 χ^2 /NDF: 503.0/19

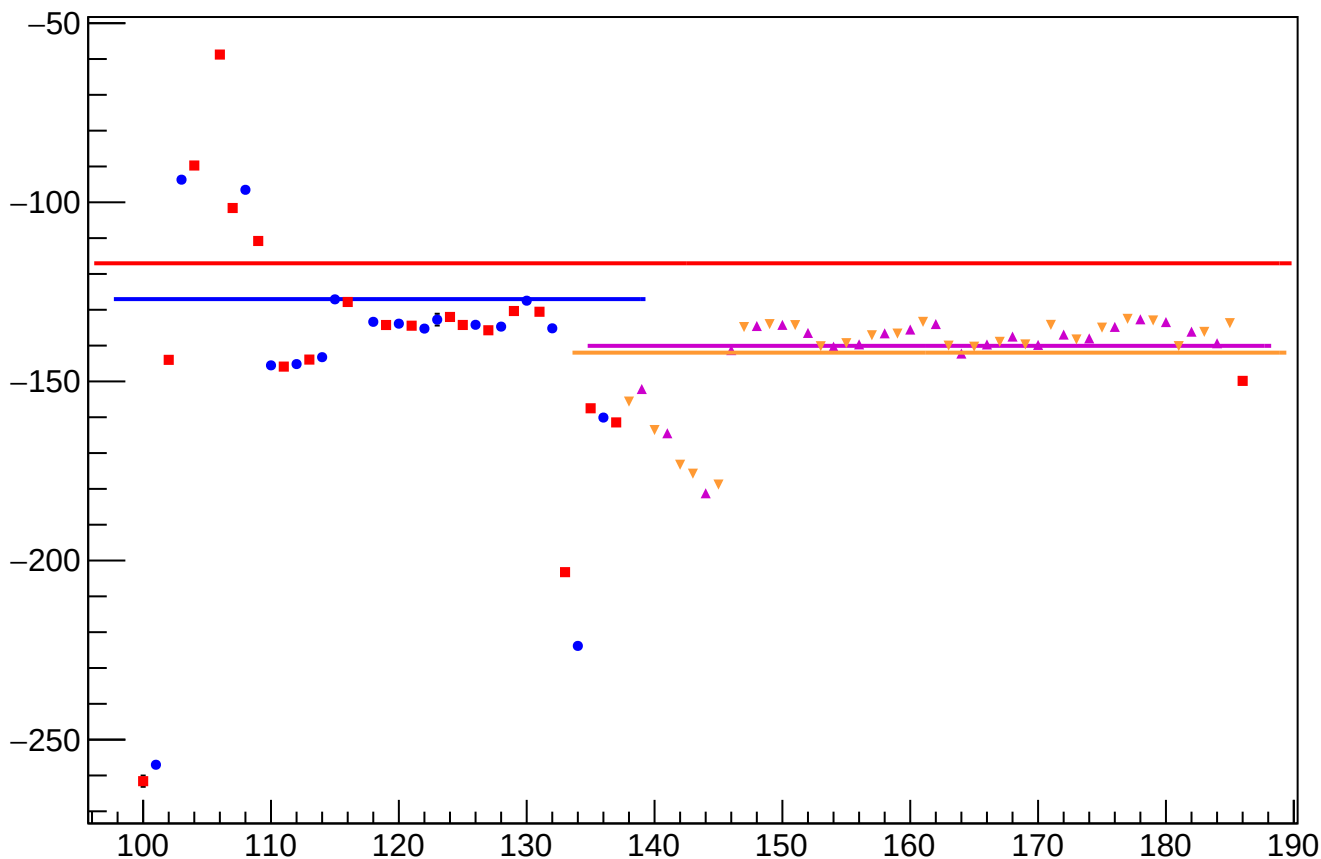
Left In: 61.375 $\pm$ 0.961 χ^2 /NDF: 699.7/22

+ sign 63.698 $\pm$ 0.827 χ^2 /NDF: 1317.6/41

All: 62.113 $\pm$ 0.584 χ^2 /NDF: 2530.4/84

- sign 60.544 $\pm$ 0.823 χ^2 /NDF: 1205.5/42

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.024 $\pm$ 0.090 χ^2 /NDF: 166974.0/16

Left Out: -141.969 $\pm$ 0.045 χ^2 /NDF: 80252.6/24

Right Out: -117.026 $\pm$ 0.082 χ^2 /NDF: 170731.9/19

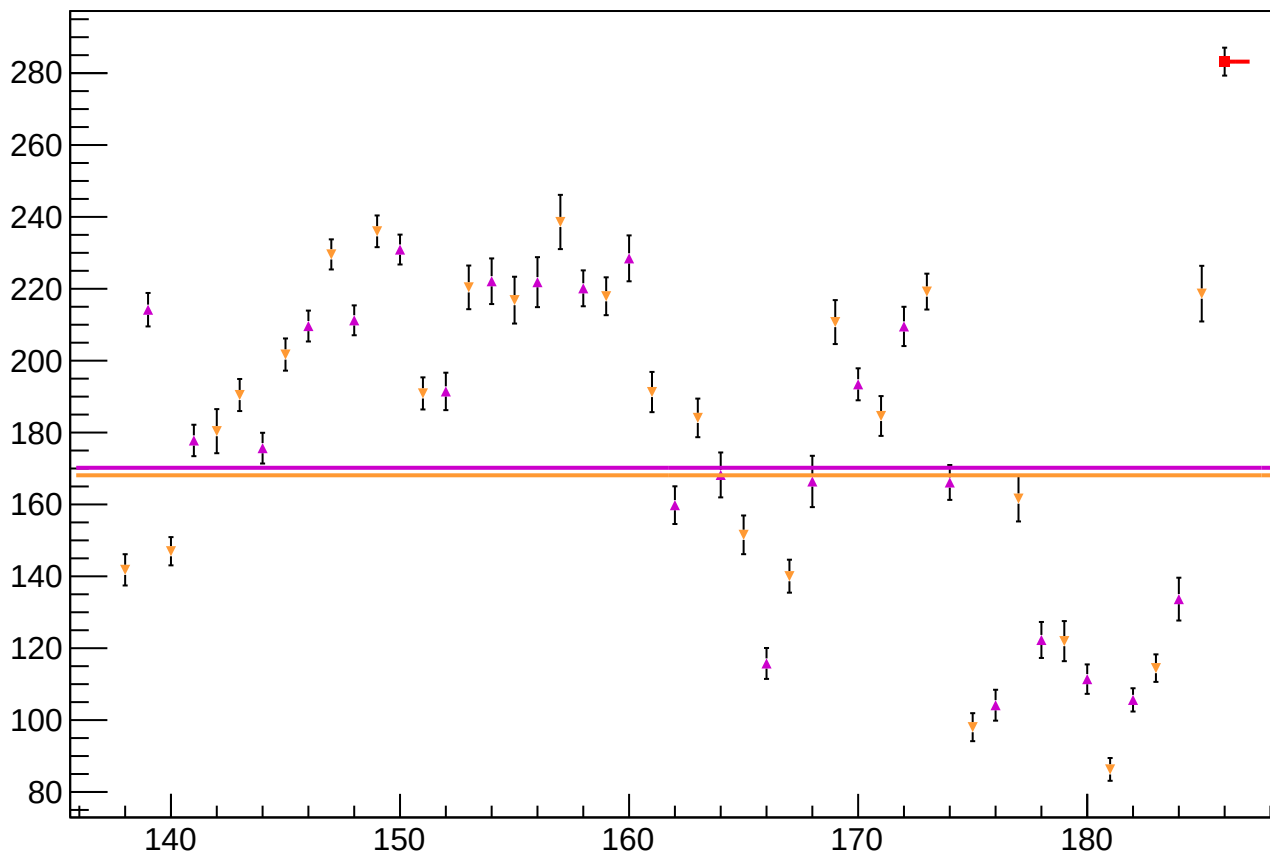
Left In: -140.068 $\pm$ 0.045 χ^2 /NDF: 48030.7/22

+ sign -139.005 $\pm$ 0.040 χ^2 /NDF: 269394.5/41

All: -136.844 $\pm$ 0.028 χ^2 /NDF: 554480.7/84

- sign -134.744 $\pm$ 0.039 χ^2 /NDF: 279338.7/42

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 168.106+/-0.970 χ^2/NDF : 2468.8/24

Right Out: 283.198+/-3.886 χ^2/NDF : 0.0/0

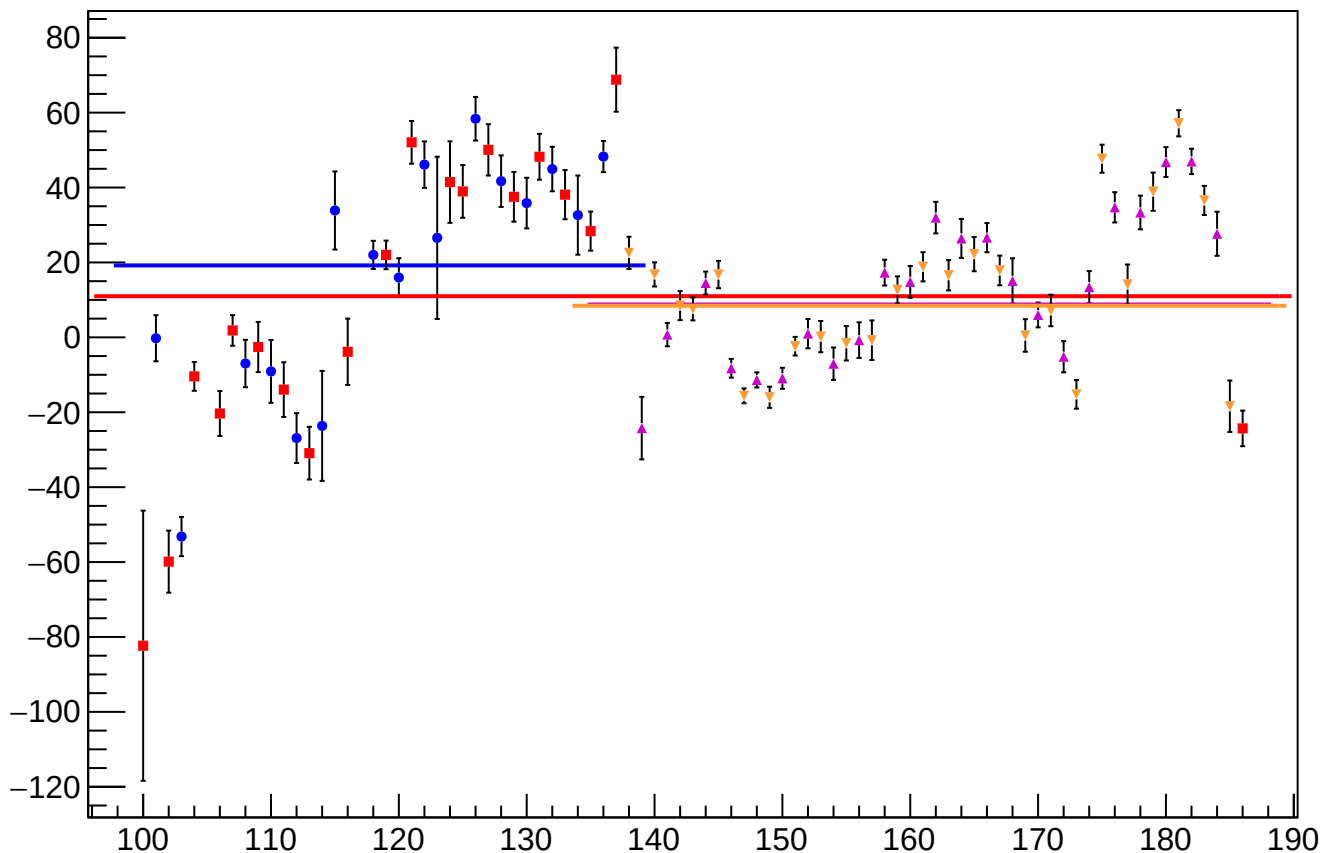
Left In: 170.198+/-0.995 χ^2/NDF : 2024.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 172.659+/-0.684 χ^2/NDF : 5330.5/48

- sign 177.155+/-0.964 χ^2/NDF : 2818.0/23

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.211 ± 1.503 $\chi^2/\text{NDF}: 439.4/16$

Left Out: 8.436 ± 0.728 $\chi^2/\text{NDF}: 752.0/24$

Right Out: 10.986 ± 1.335 $\chi^2/\text{NDF}: 495.4/19$

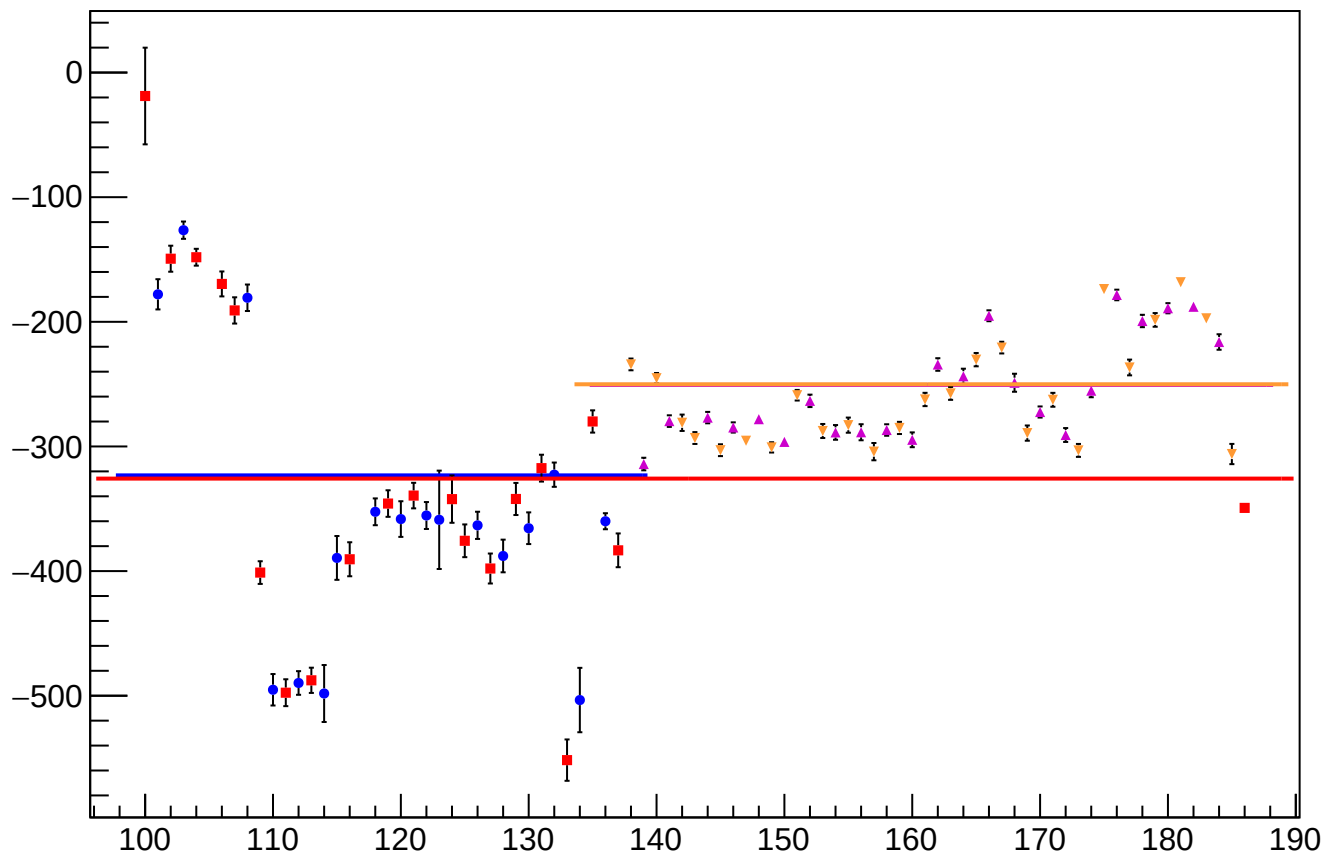
Left In: 8.769 ± 0.758 $\chi^2/\text{NDF}: 626.8/22$

+ sign 10.484 ± 0.655 $\chi^2/\text{NDF}: 1233.1/41$

All: 9.900 ± 0.465 $\chi^2/\text{NDF}: 2359.0/84$

- sign 9.309 ± 0.659 $\chi^2/\text{NDF}: 1124.3/42$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.205 ± 2.689 $\chi^2/\text{NDF}: 1846.8/16$

Left Out: -250.119 ± 0.972 $\chi^2/\text{NDF}: 2246.9/24$

Right Out: -325.790 ± 1.958 $\chi^2/\text{NDF}: 2393.9/19$

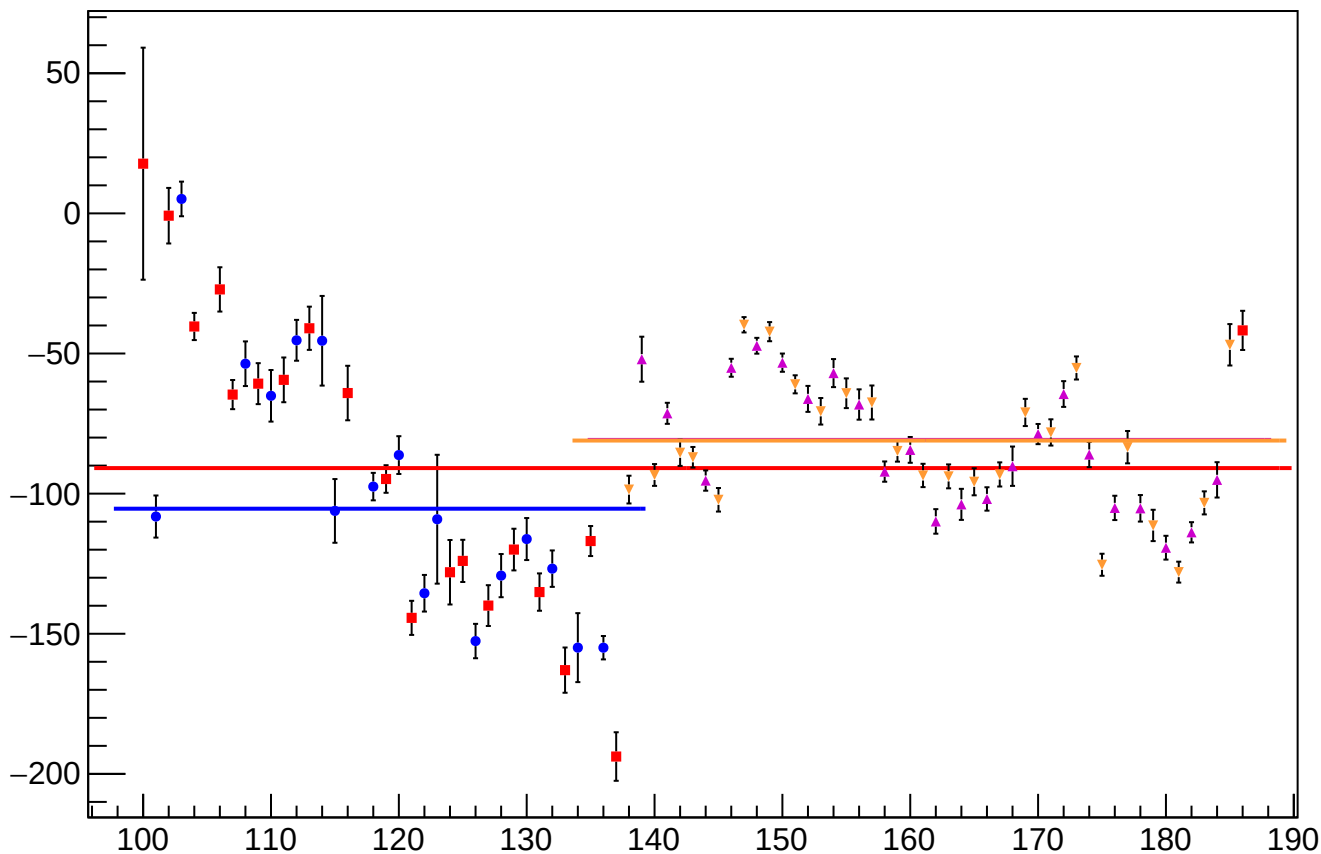
Left In: -250.628 ± 0.990 $\chi^2/\text{NDF}: 1937.1/22$

+ sign -258.571 ± 0.914 $\chi^2/\text{NDF}: 4747.2/41$

All: -262.381 ± 0.635 $\chi^2/\text{NDF}: 10285.2/84$

- sign -265.940 ± 0.884 $\chi^2/\text{NDF}: 5504.4/42$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.376 ± 1.716 χ^2/NDF : 734.7/16

Left Out: -81.057 ± 0.843 χ^2/NDF : 913.0/24

Right Out: -90.887 ± 1.571 χ^2/NDF : 876.9/19

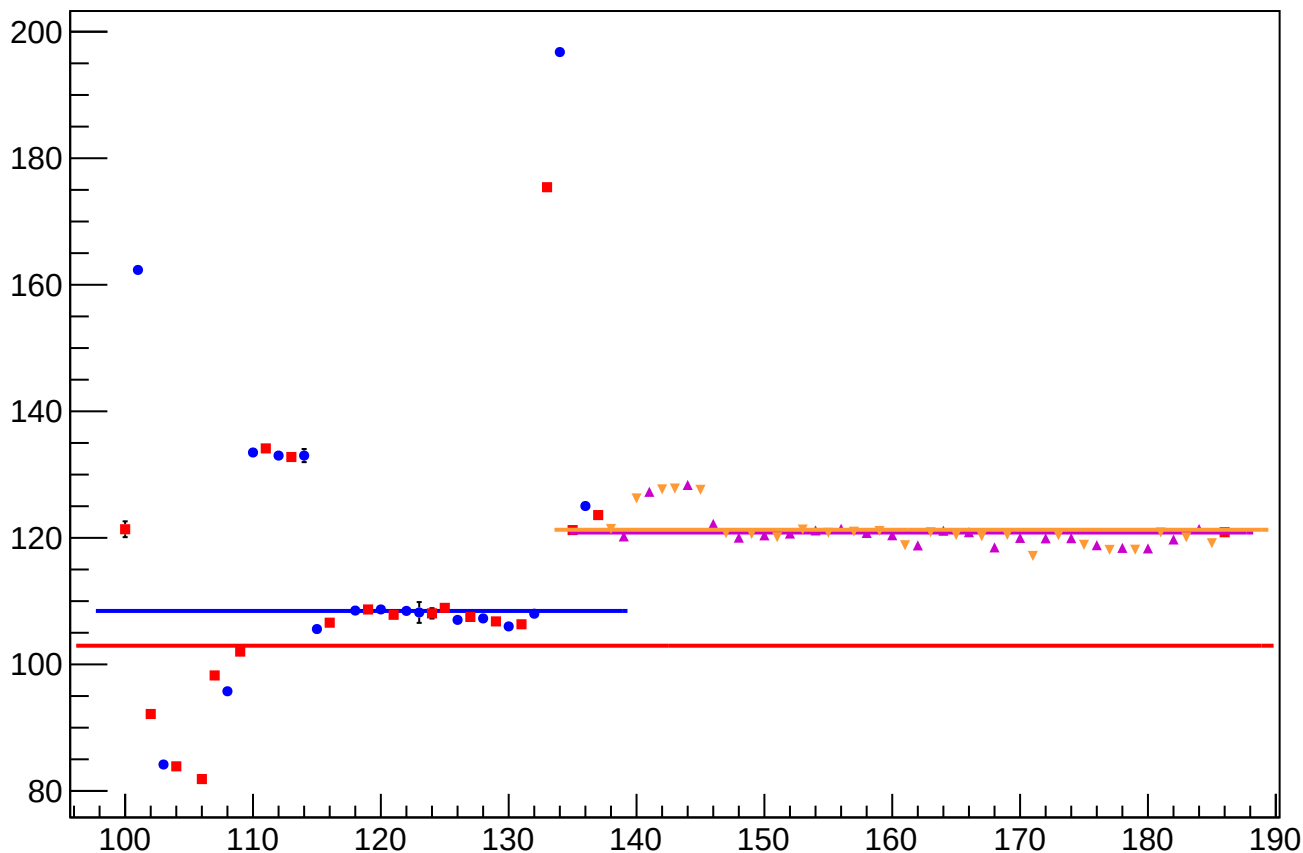
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -85.787 ± 0.757 χ^2/NDF : 1809.6/41

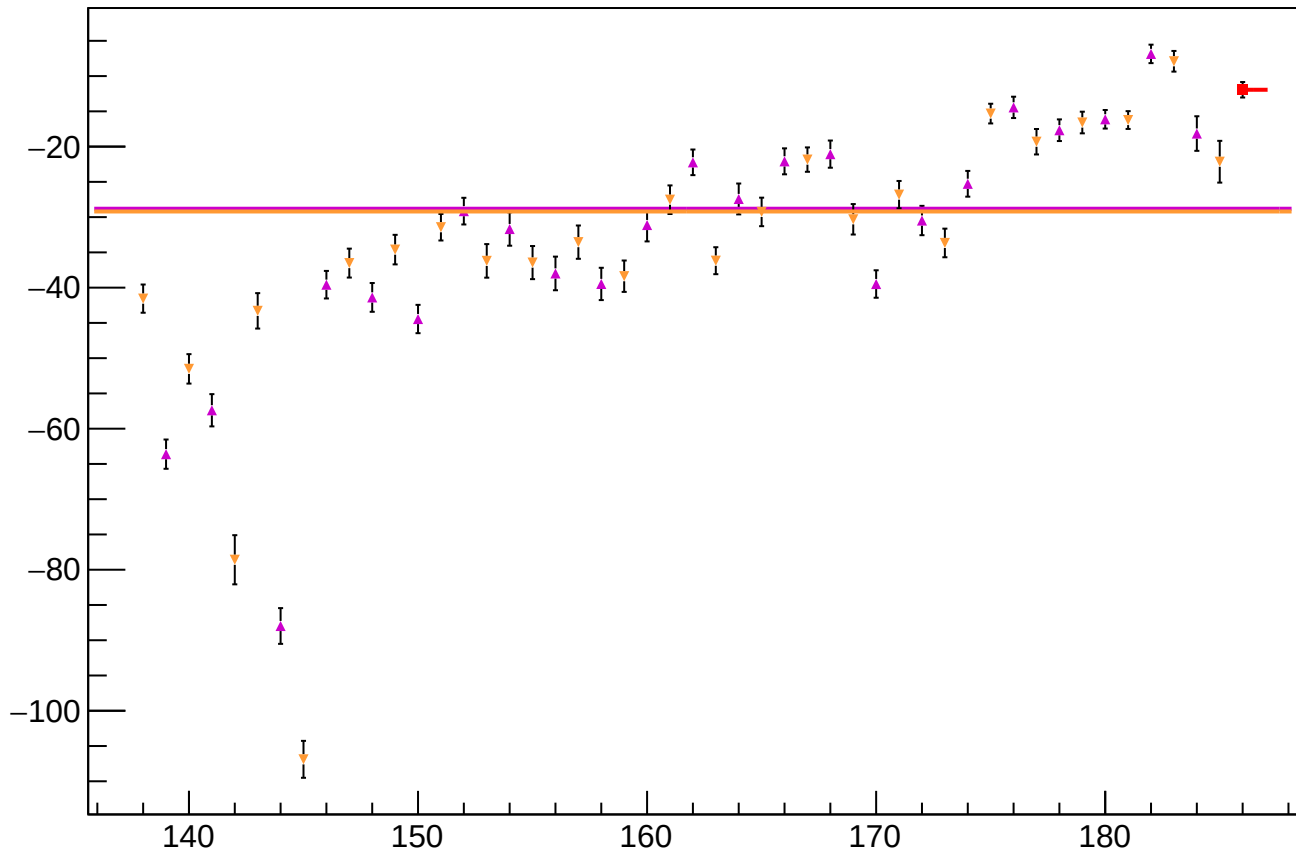
All: -84.504 ± 0.537 χ^2/NDF : 3416.7/84

- sign -83.200 ± 0.762 χ^2/NDF : 1601.3/42

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -29.199 $\pm$ 0.389 χ^2 /NDF:1881.5/24

Right Out: -11.940 $\pm$ 1.098 χ^2 /NDF: 0.0/0

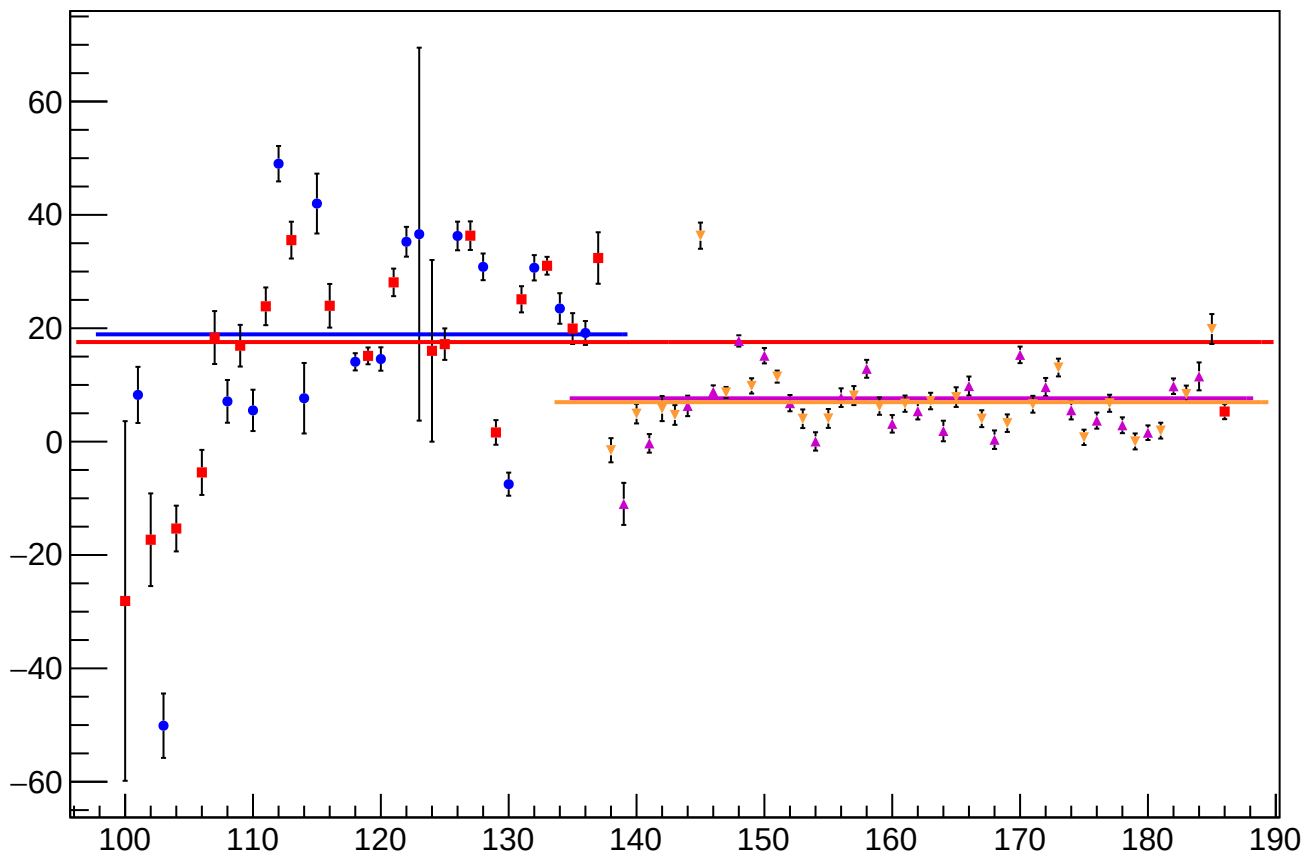
Left In: -28.810 $\pm$ 0.395 χ^2 /NDF:1763.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -27.986 $\pm$ 0.269 χ^2 /NDF: 3872.9/48

- sign -26.874 $\pm$ 0.372 χ^2 /NDF: 1972.8/23

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.924 $\pm$ 0.654 χ^2 /NDF: 616.2/16

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF: 321.3/24

Right Out: 17.564 $\pm$ 0.581 χ^2 /NDF: 466.1/19

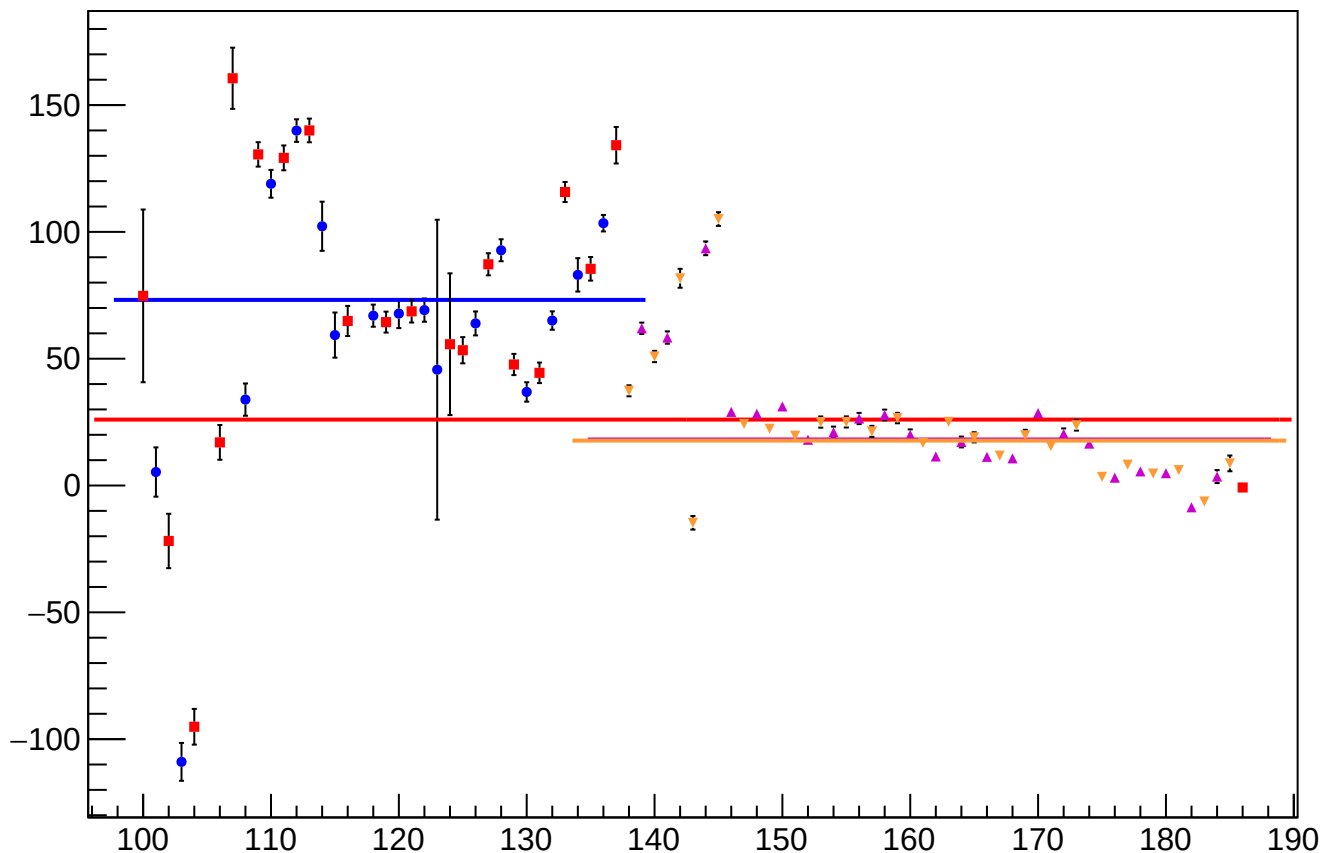
Left In: 7.638 $\pm$ 0.313 χ^2 /NDF: 337.7/22

+ sign 9.074 $\pm$ 0.275 χ^2 /NDF: 1213.0/41

All: 9.475 $\pm$ 0.195 χ^2 /NDF: 2247.4/84

- sign 9.879 $\pm$ 0.276 χ^2 /NDF: 1030.1/42

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.189 $\pm$ 1.239 χ^2 /NDF: 1199.7/16

Left Out: 17.705 $\pm$ 0.387 χ^2 /NDF: 2432.2/24

Right Out: 25.994 $\pm$ 0.714 χ^2 /NDF: 4287.7/19

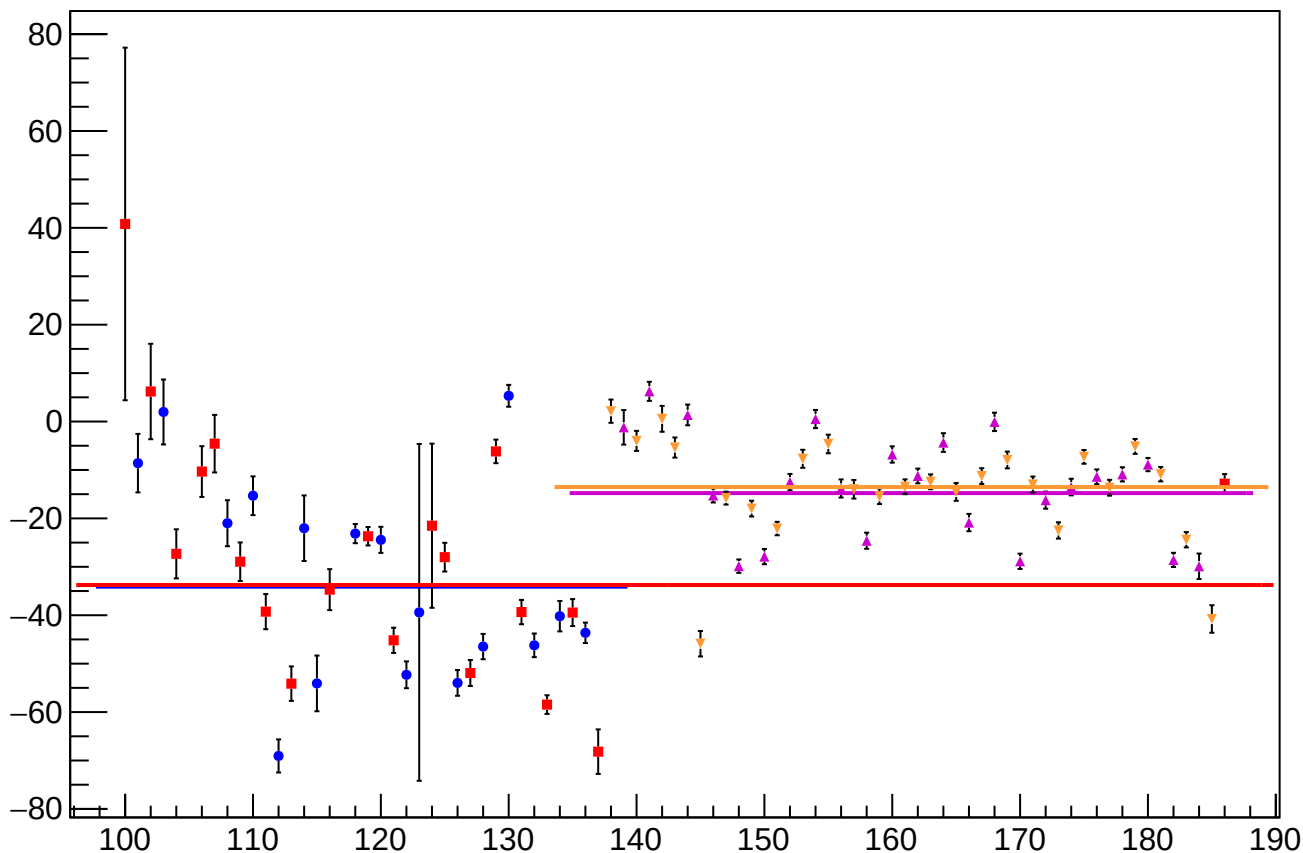
Left In: 18.150 $\pm$ 0.393 χ^2 /NDF: 2339.4/22

+ sign 22.644 $\pm$ 0.370 χ^2 /NDF: 5459.4/41

All: 21.212 $\pm$ 0.252 χ^2 /NDF: 12207.3/84

- sign 19.972 $\pm$ 0.344 χ^2 /NDF: 6719.8/42

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.097 ± 0.746 χ^2/NDF : 714.9/16

Left Out: -13.531 ± 0.344 χ^2/NDF : 572.8/24

Right Out: -33.762 ± 0.691 χ^2/NDF : 670.5/19

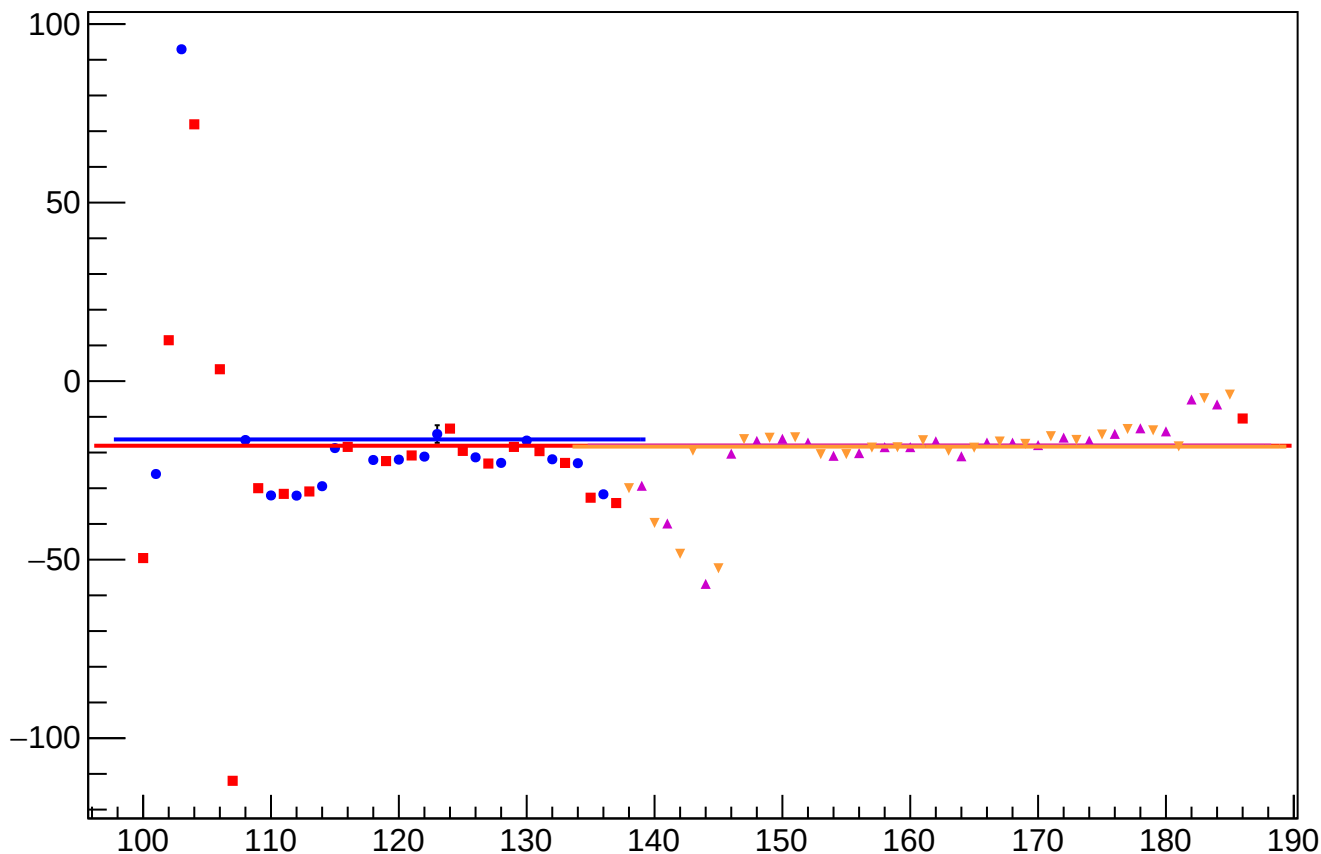
Left In: -14.778 ± 0.354 χ^2/NDF : 838.0/22

+ sign -17.136 ± 0.312 χ^2/NDF : 1914.1/41

All: -17.925 ± 0.222 χ^2/NDF : 4033.4/84

- sign -18.728 ± 0.315 χ^2/NDF : 2106.5/42

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.329 ± 0.045 $\chi^2/\text{NDF}: 474104.2/16$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -18.094 ± 0.043 $\chi^2/\text{NDF}: 436979.5/19$

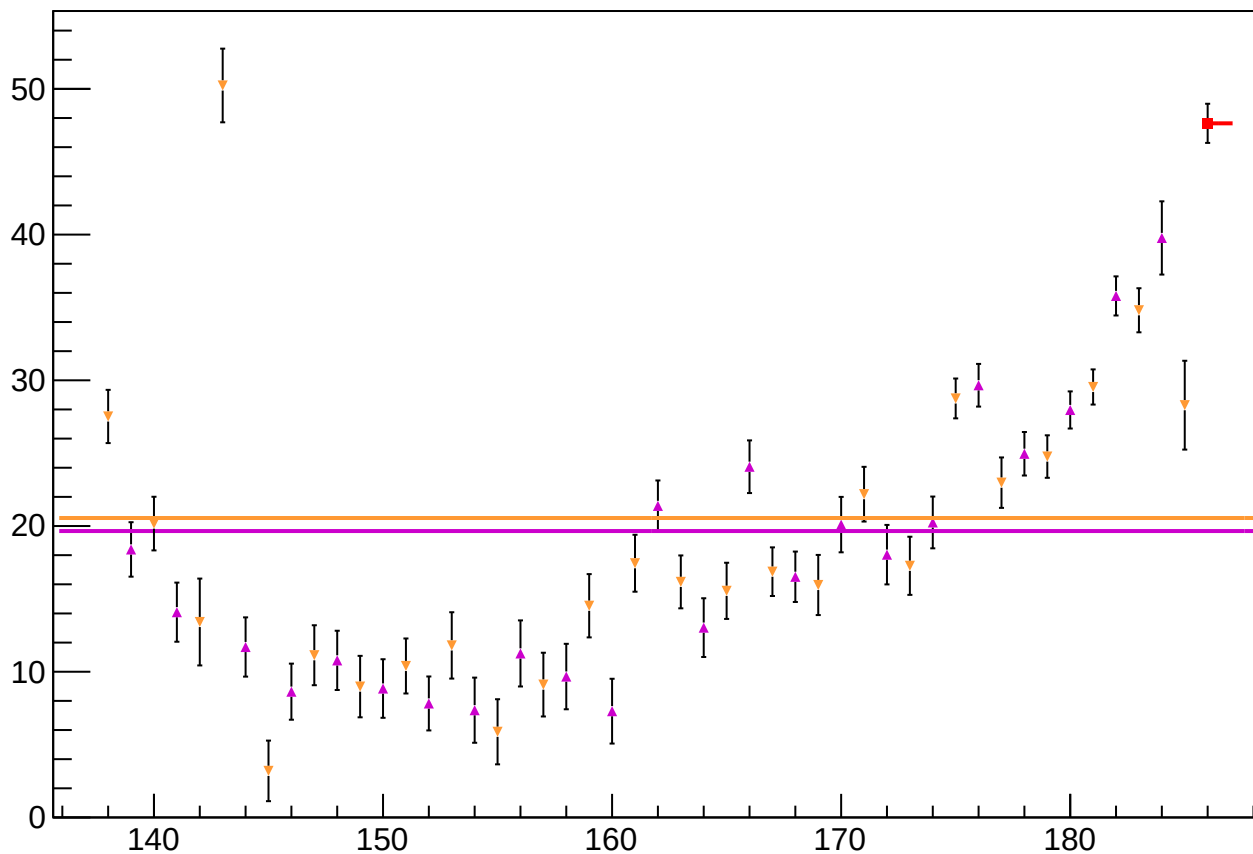
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.110 ± 0.015 $\chi^2/\text{NDF}: 760043.8/41$

All: -18.098 ± 0.011 $\chi^2/\text{NDF}: 1438974.3/84$

- sign -18.085 ± 0.015 $\chi^2/\text{NDF}: 678929.0/42$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF:626.4/24

Right Out: 47.635 $\pm$ 1.343 χ^2 /NDF: 0.0/0

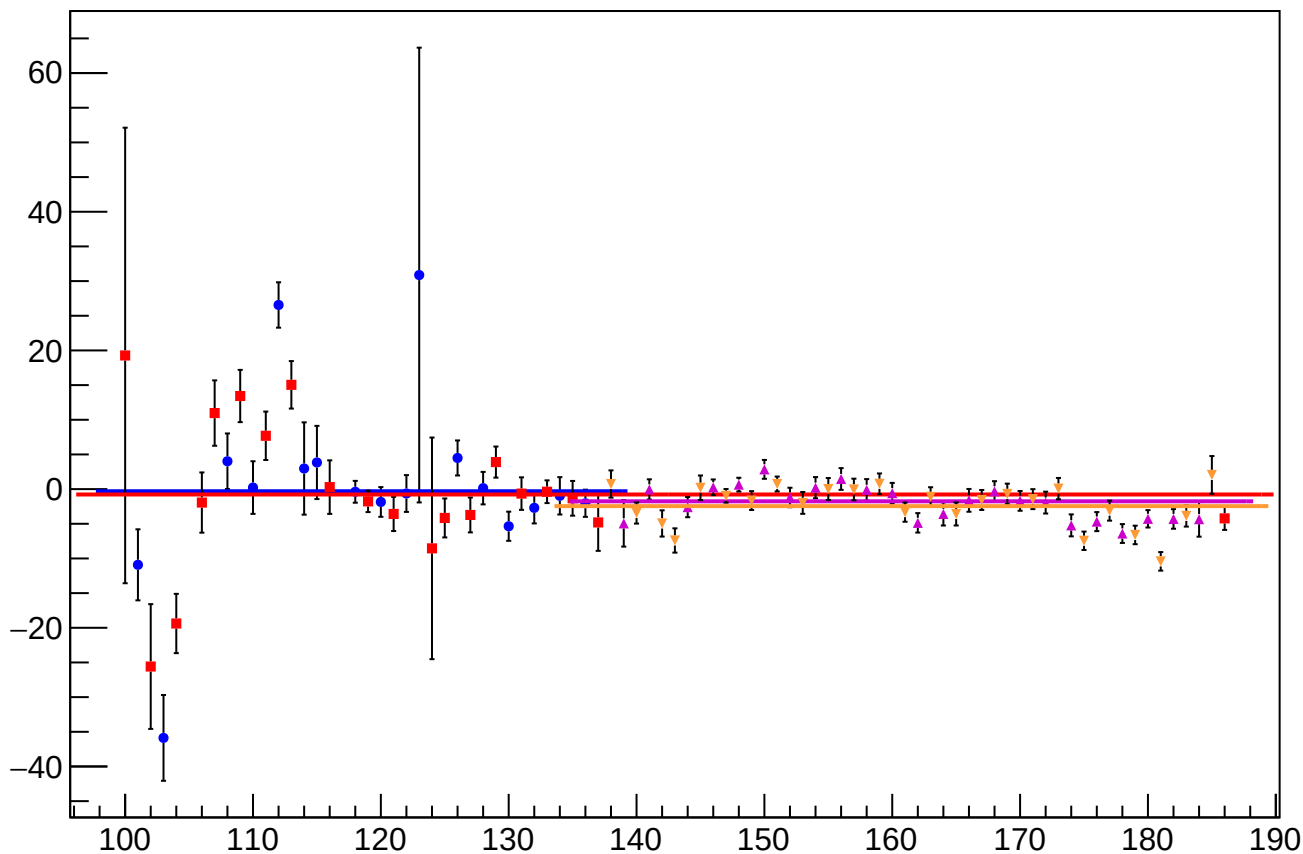
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF:571.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 21.153 $\pm$ 0.261 χ^2 /NDF: 1604.9/48

- sign 21.732 $\pm$ 0.366 χ^2 /NDF: 973.4/23

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.309 ± 0.663 χ^2/NDF : 119.6/16

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -0.776 ± 0.611 χ^2/NDF : 89.2/19

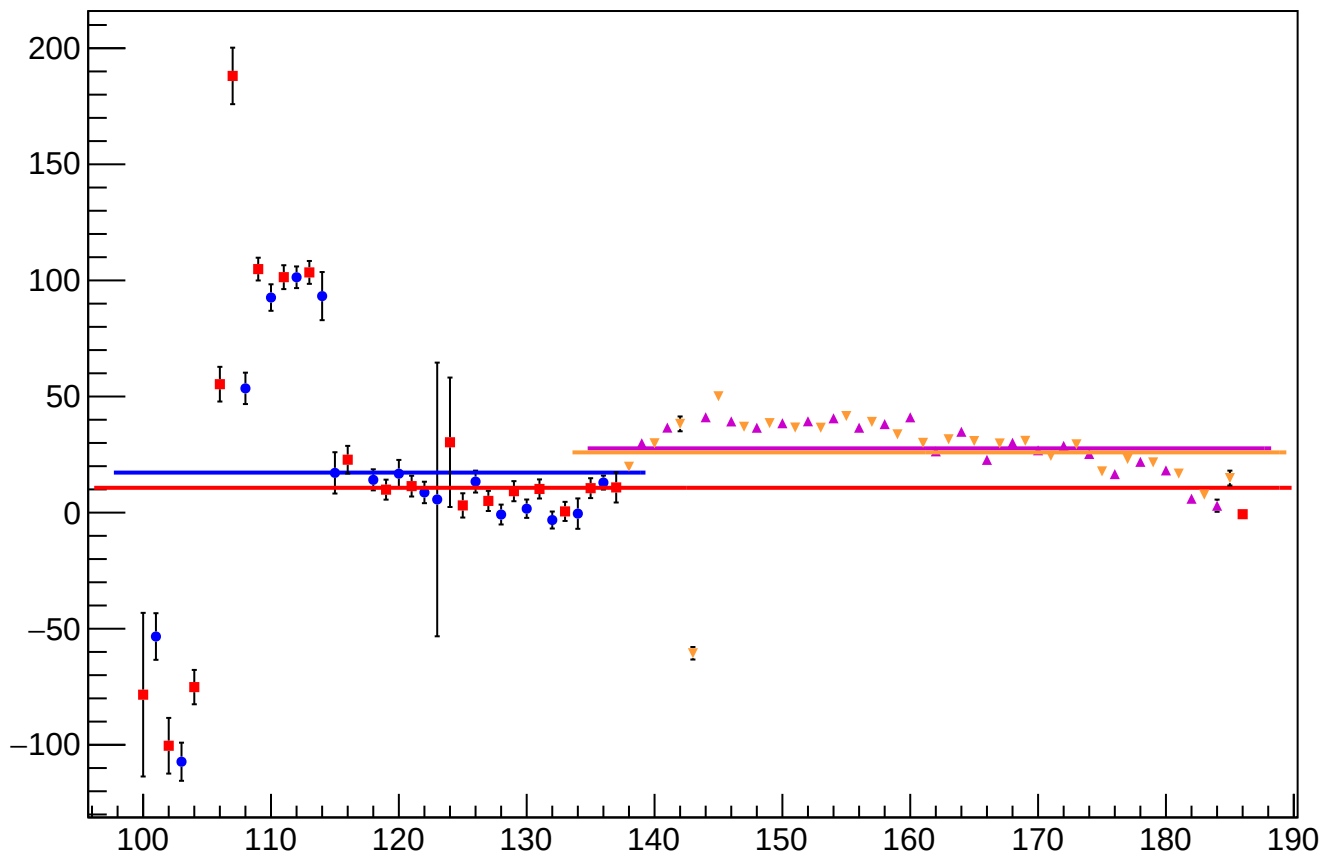
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.106 ± 0.267 χ^2/NDF : 234.3/41

All: -1.839 ± 0.190 χ^2/NDF : 395.0/84

- sign -1.565 ± 0.271 χ^2/NDF : 158.7/42

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.239 $\pm$ 1.249 χ^2 /NDF: 940.3/16

Left Out: 25.938 $\pm$ 0.372 χ^2 /NDF:1711.6/24

Right Out: 10.689 $\pm$ 0.814 χ^2 /NDF: 1636.1/19

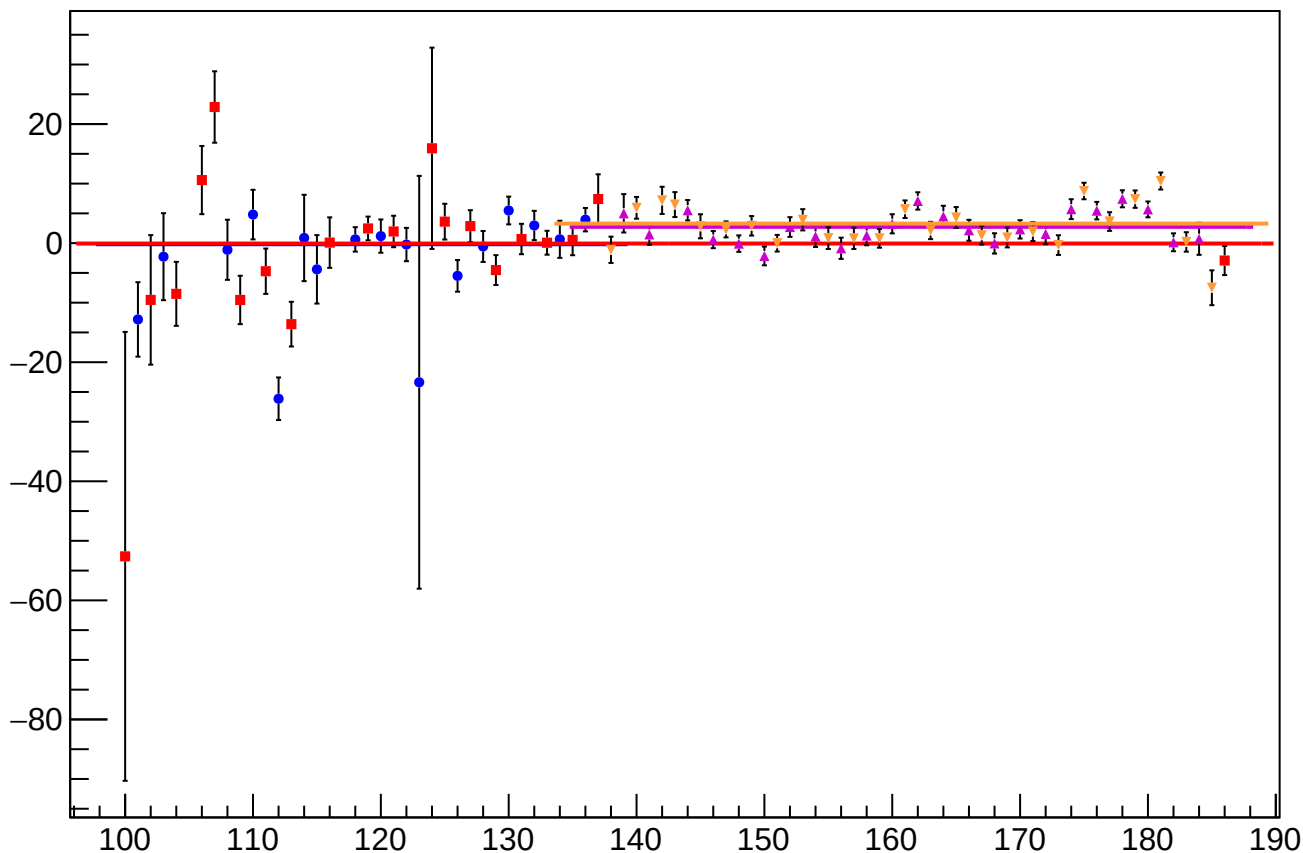
Left In: 27.677 $\pm$ 0.378 χ^2 /NDF:803.9/22

+ sign 25.228 $\pm$ 0.357 χ^2 /NDF: 2696.5/41

All: 24.934 $\pm$ 0.247 χ^2 /NDF: 5495.8/84

- sign 24.662 $\pm$ 0.343 χ^2 /NDF: 2798.1/42

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.183 ± 0.753 χ^2/NDF : 75.7/16

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -0.069 ± 0.717 χ^2/NDF : 56.9/19

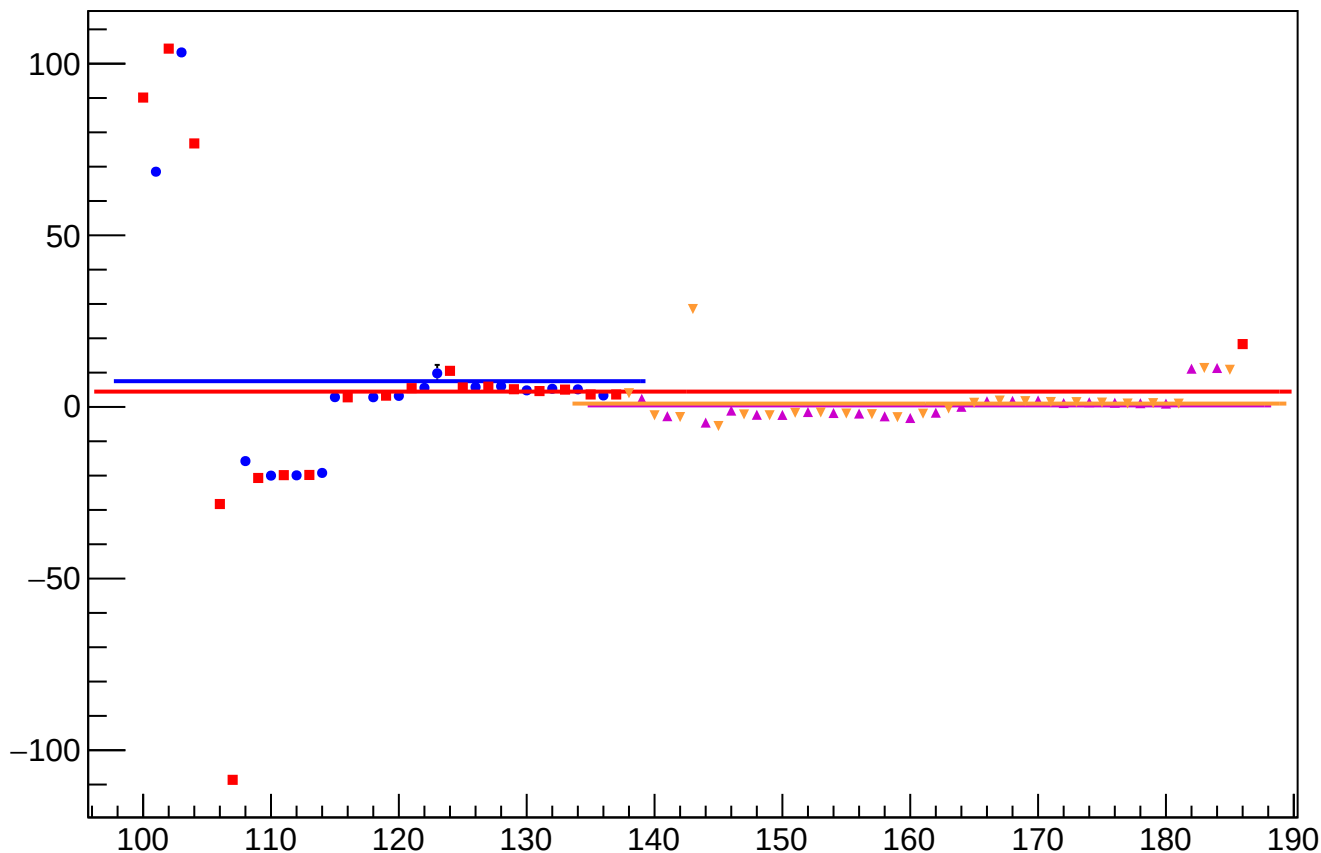
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.721 ± 0.303 χ^2/NDF : 195.7/41

All: 2.474 ± 0.216 χ^2/NDF : 330.9/84

- sign 2.220 ± 0.308 χ^2/NDF : 133.9/42

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.507 ± 0.045 $\chi^2/\text{NDF}: 355810.5/16$

Left Out: 0.979 ± 0.015 $\chi^2/\text{NDF}: 117391.3/24$

Right Out: 4.471 ± 0.044 $\chi^2/\text{NDF}: 517478.4/19$

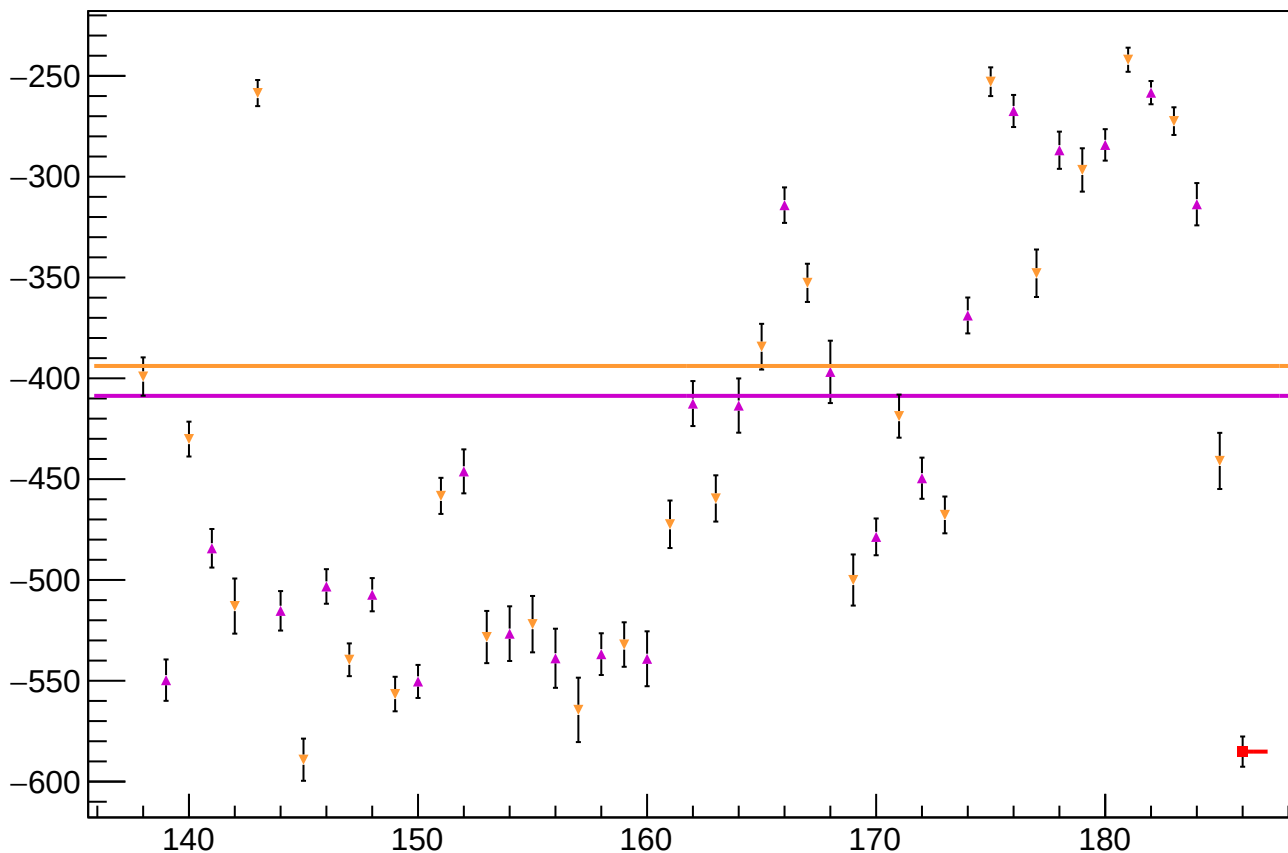
Left In: 0.451 ± 0.015 $\chi^2/\text{NDF}: 50699.8/22$

+ sign 1.655 ± 0.014 $\chi^2/\text{NDF}: 492332.8/41$

All: 1.277 ± 0.010 $\chi^2/\text{NDF}: 1069297.3/84$

- sign 0.889 ± 0.015 $\chi^2/\text{NDF}: 575561.6/42$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -393.871 ± 1.897 χ^2/NDF : 3772.8/24

Right Out: -585.144 ± 7.497 χ^2/NDF : 0.0/0

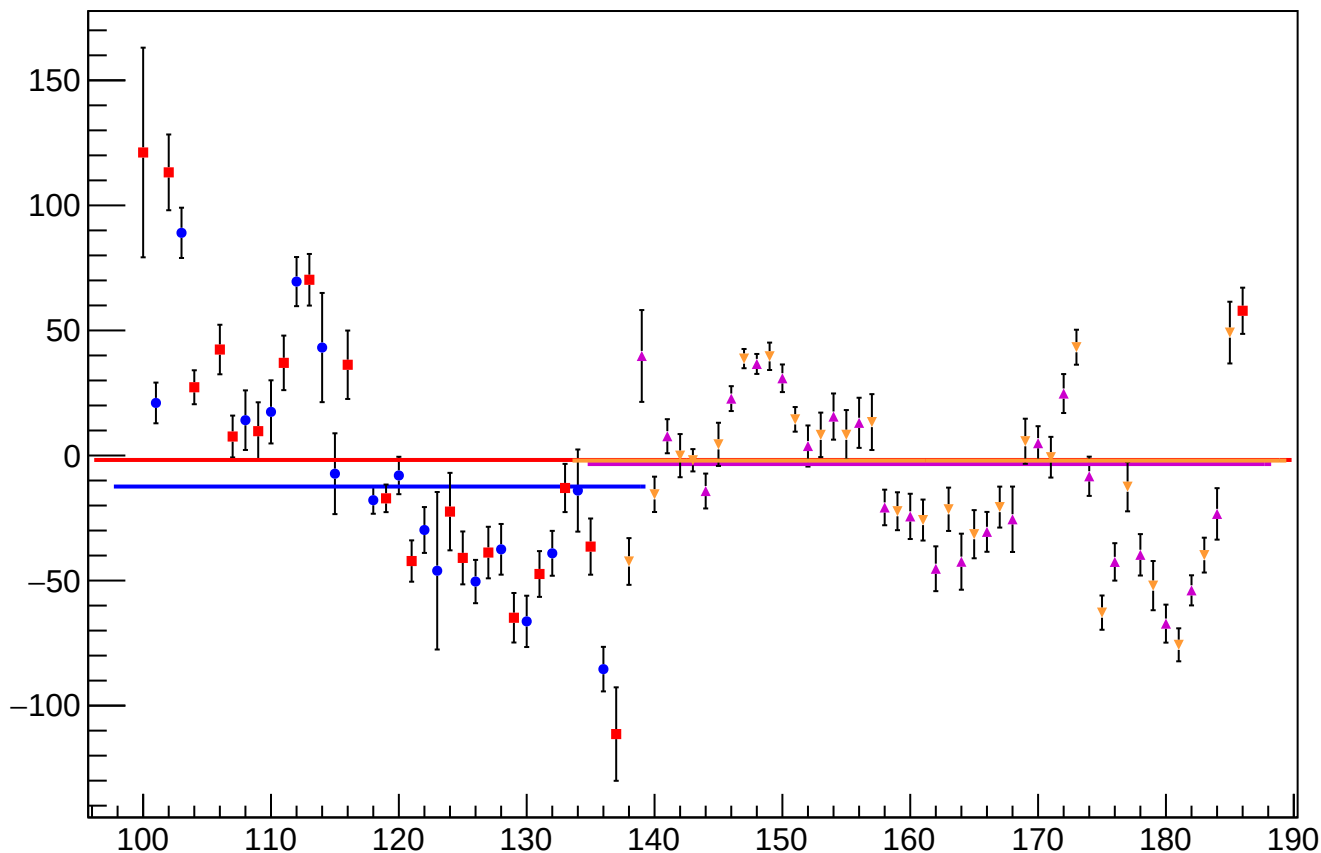
Left In: -408.696 ± 1.979 χ^2/NDF : 3062.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -406.918 ± 1.347 χ^2/NDF : 7449.0/48

- sign -420.191 ± 1.913 χ^2/NDF : 3580.8/23

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.408 ± 2.353 χ^2/NDF : 340.6/16

Left Out: -2.037 ± 1.424 χ^2/NDF : 563.8/24

Right Out: -1.780 ± 2.197 χ^2/NDF : 388.3/19

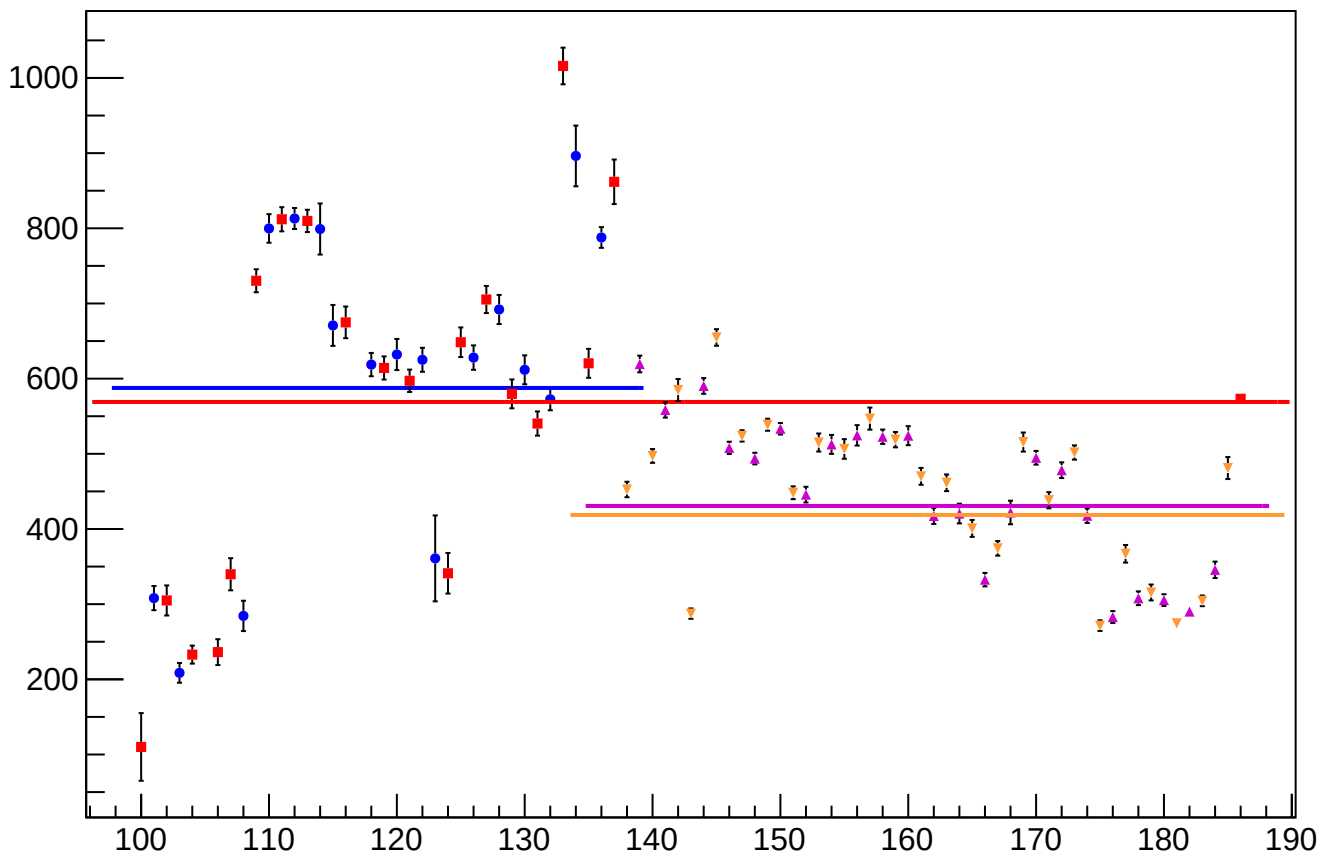
Left In: -3.420 ± 1.520 χ^2/NDF : 451.0/22

+ sign -4.817 ± 1.218 χ^2/NDF : 918.6/41

All: -3.878 ± 0.872 χ^2/NDF : 1759.5/84

- sign -2.889 ± 1.250 χ^2/NDF : 839.6/42

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.620 ± 4.361 $\chi^2/\text{NDF}: 2127.1/16$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 568.997 ± 3.405 $\chi^2/\text{NDF}: 2783.4/19$

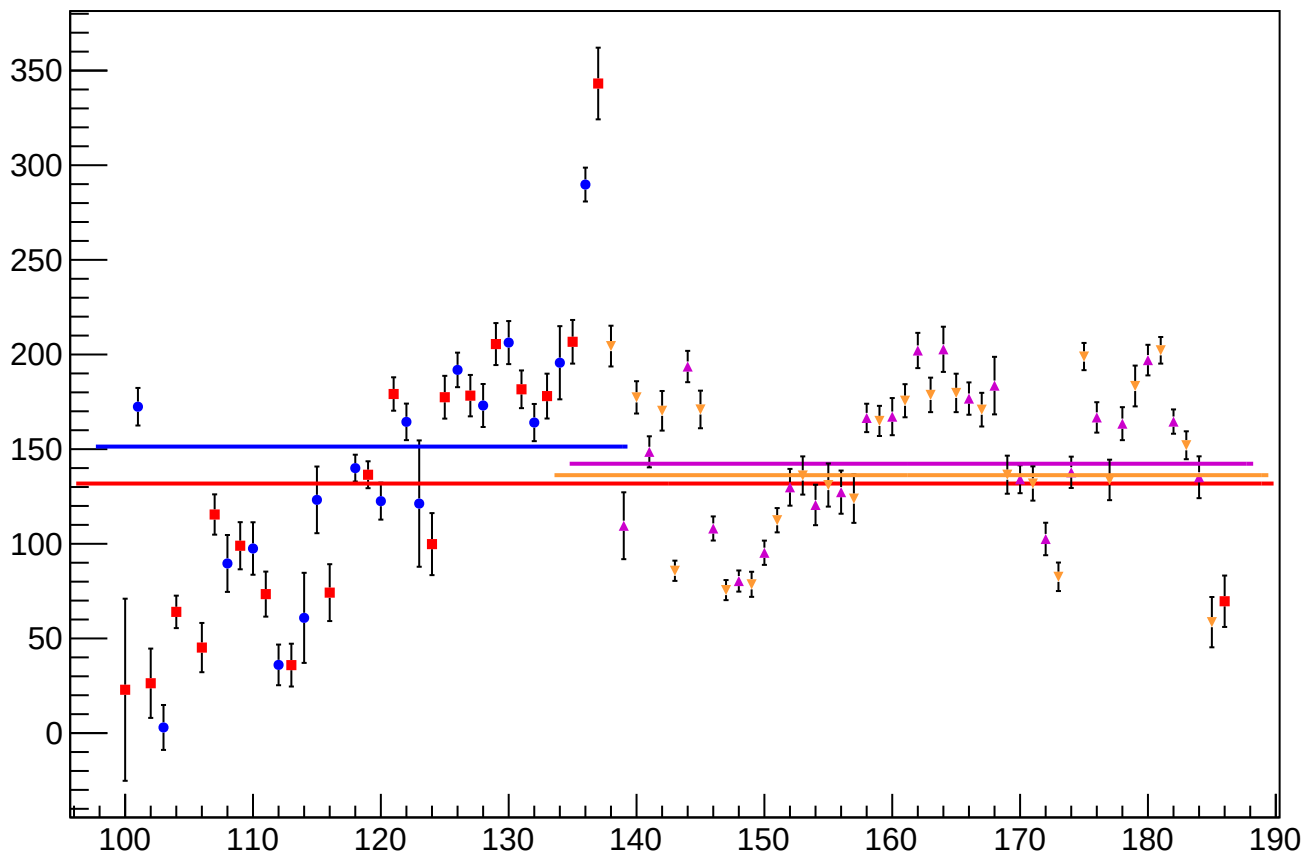
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 445.744 ± 1.746 $\chi^2/\text{NDF}: 6683.7/41$

All: 455.776 ± 1.220 $\chi^2/\text{NDF}: 13618.9/84$

- sign 465.353 ± 1.706 $\chi^2/\text{NDF}: 6870.6/42$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.359 ± 2.715 χ^2/NDF : 632.2/16

Left Out: 136.258 ± 1.651 χ^2/NDF : 758.3/24

Right Out: 131.832 ± 2.572 χ^2/NDF : 604.7/19

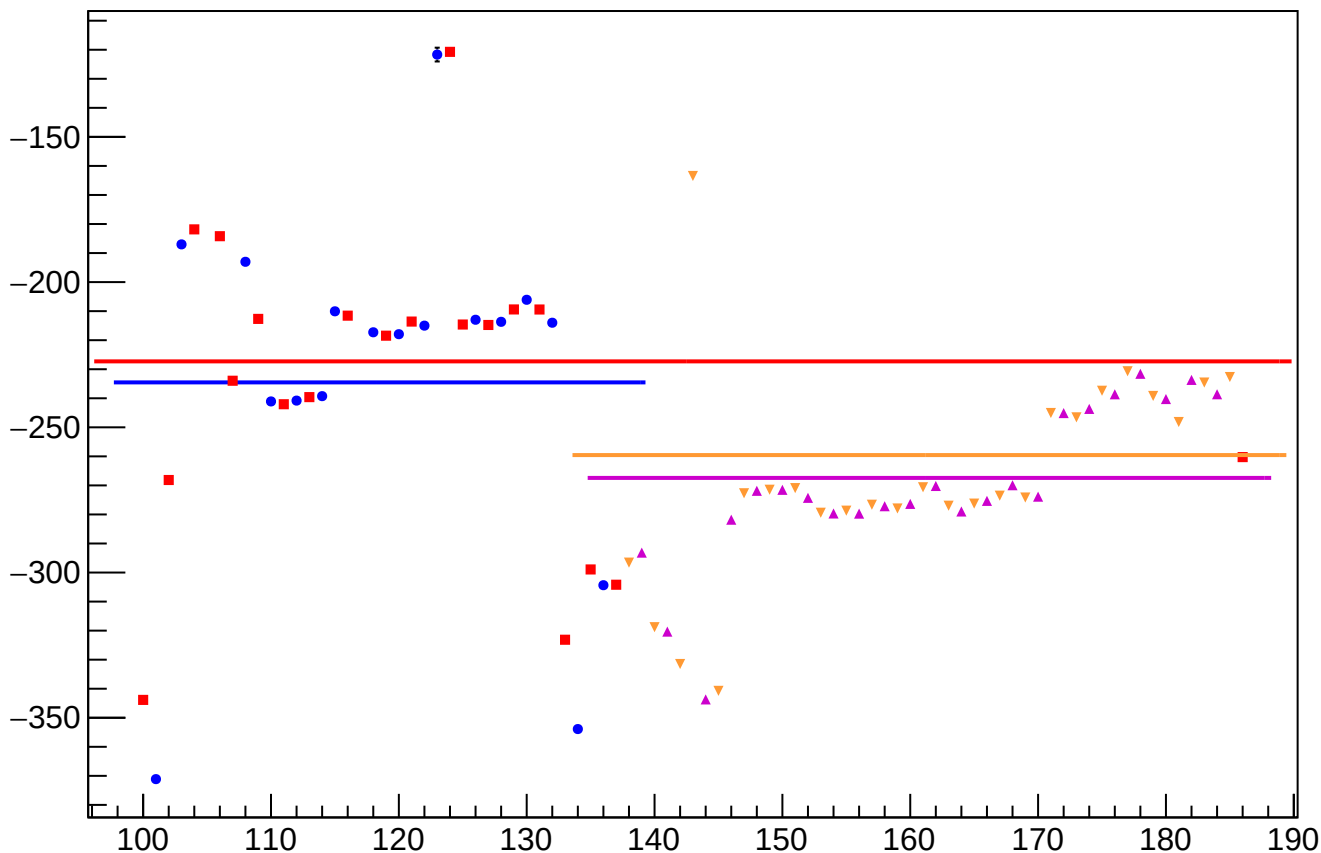
Left In: 142.296 ± 1.745 χ^2/NDF : 459.8/22

+ sign 140.334 ± 1.411 χ^2/NDF : 1413.1/41

All: 139.682 ± 1.009 χ^2/NDF : 2489.3/84

- sign 138.999 ± 1.444 χ^2/NDF : 1075.8/42

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.530 ± 0.149 $\chi^2/\text{NDF}: 145014.5/16$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -227.294 ± 0.140 $\chi^2/\text{NDF}: 100152.6/19$

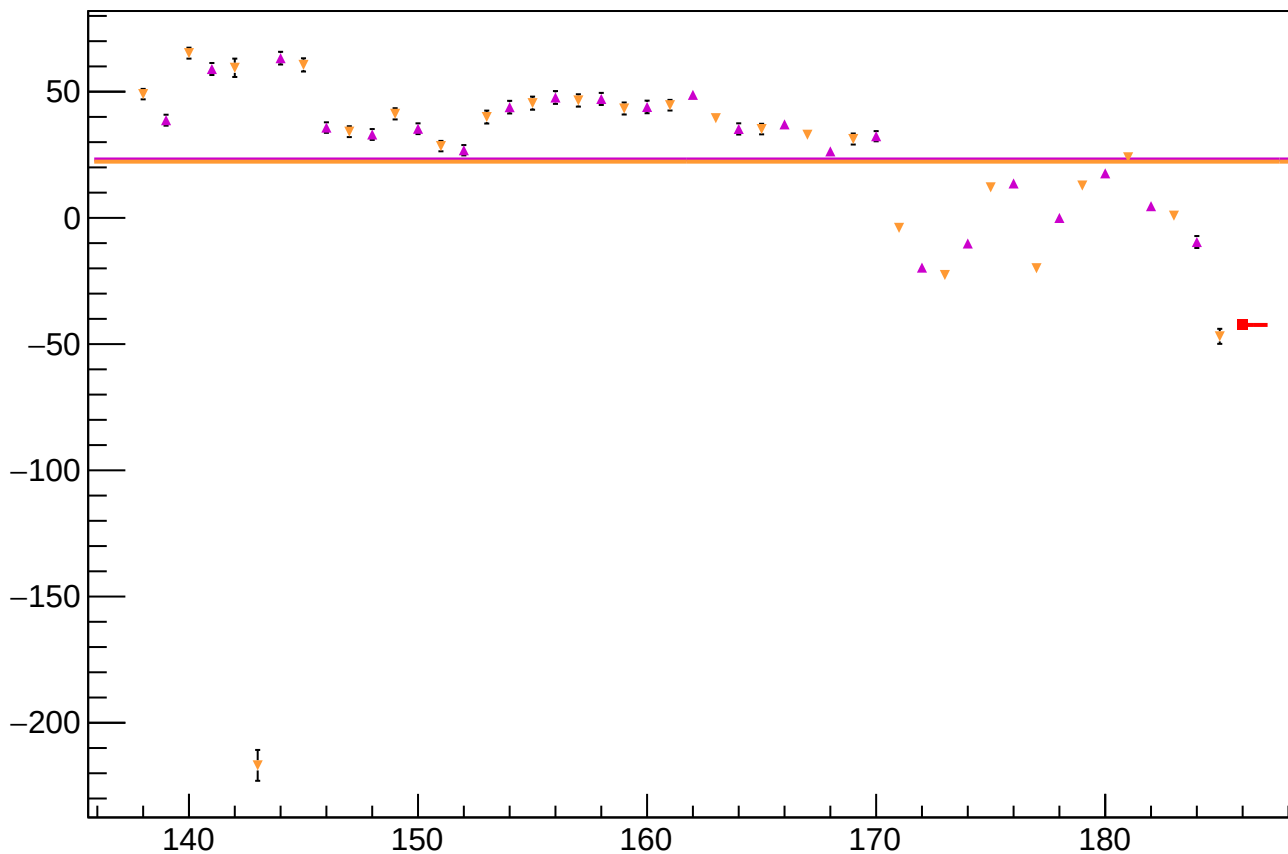
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -254.068 ± 0.070 $\chi^2/\text{NDF}: 405211.5/41$

All: -255.636 ± 0.050 $\chi^2/\text{NDF}: 665660.7/84$

- sign -257.236 ± 0.071 $\chi^2/\text{NDF}: 259431.5/42$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 22.279 $\pm$ 0.399 χ^2 /NDF:5171.0/24

Right Out: -42.407 $\pm$ 1.746 χ^2 /NDF: 0.0/0

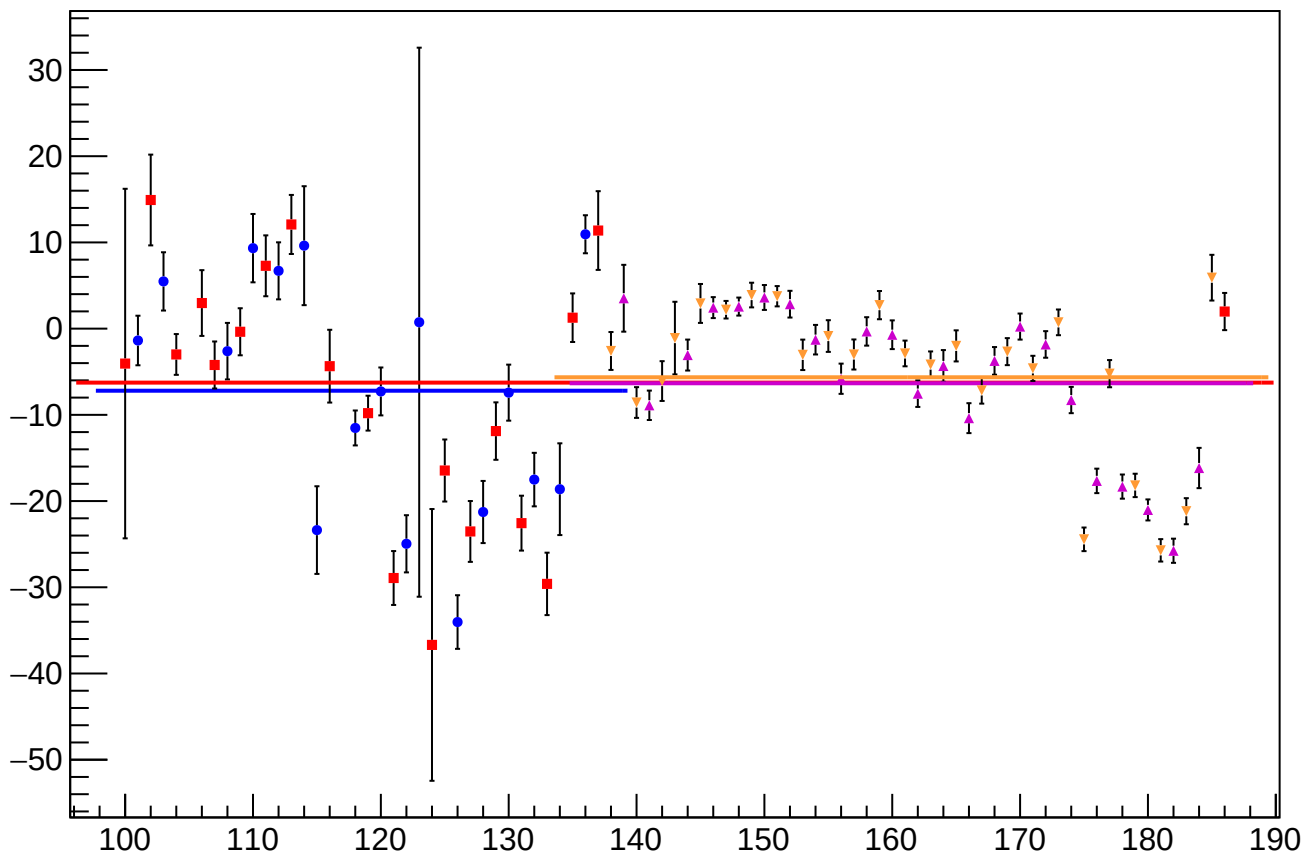
Left In: 23.136 $\pm$ 0.401 χ^2 /NDF:2744.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 21.039 $\pm$ 0.279 χ^2 /NDF: 9273.1/48

- sign 19.845 $\pm$ 0.391 χ^2 /NDF: 4083.1/23

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.201 ± 0.790 χ^2/NDF : 277.5/16

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -6.261 ± 0.718 χ^2/NDF : 271.4/19

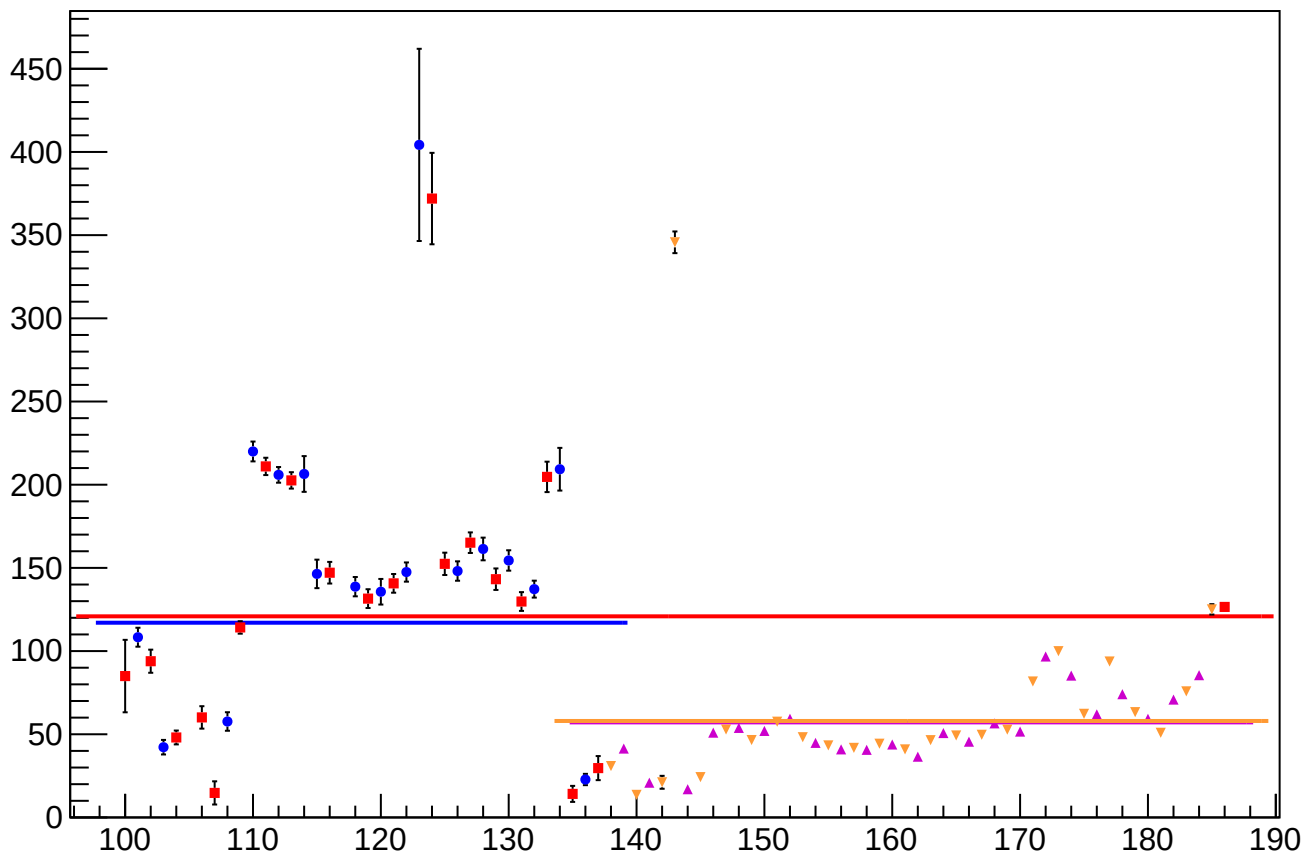
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -5.856 ± 0.293 χ^2/NDF : 1174.6/41

All: -6.090 ± 0.207 χ^2/NDF : 2230.2/84

- sign -6.324 ± 0.293 χ^2/NDF : 1054.4/42

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.046 ± 1.419 χ^2/NDF : 2159.0/16

Left Out: 57.990 ± 0.398 χ^2/NDF : 4635.7/24

Right Out: 120.885 ± 0.977 χ^2/NDF : 2167.3/19

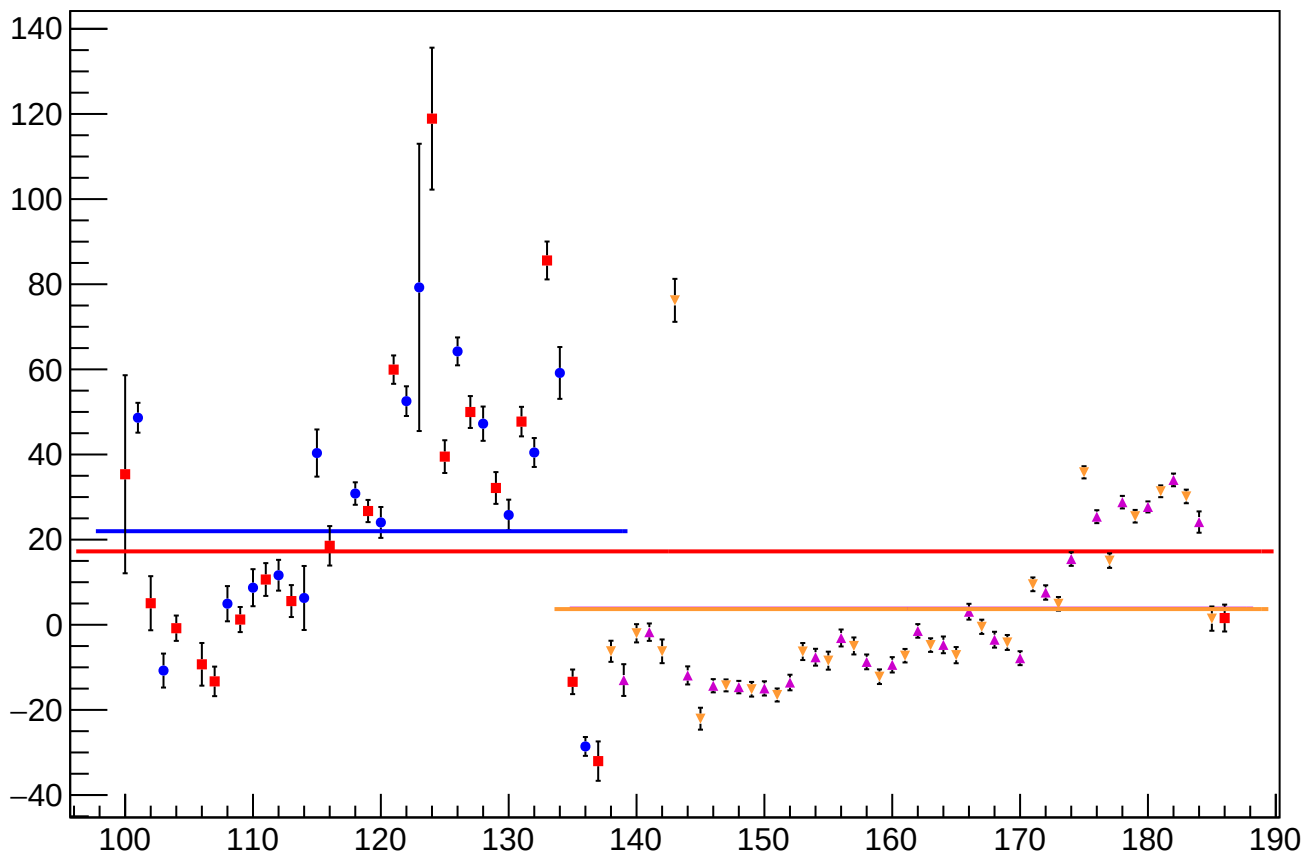
Left In: 57.139 ± 0.400 χ^2/NDF : 1803.4/22

+ sign 62.295 ± 0.383 χ^2/NDF : 8400.0/41

All: 64.356 ± 0.266 χ^2/NDF : 16075.0/84

- sign 66.276 ± 0.370 χ^2/NDF : 7619.1/42

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 21.981 $\pm$ 0.900 χ^2 /NDF: 1061.2/16

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF: 2541.7/24

Right Out: 17.237 $\pm$ 0.841 χ^2 /NDF: 1092.4/19

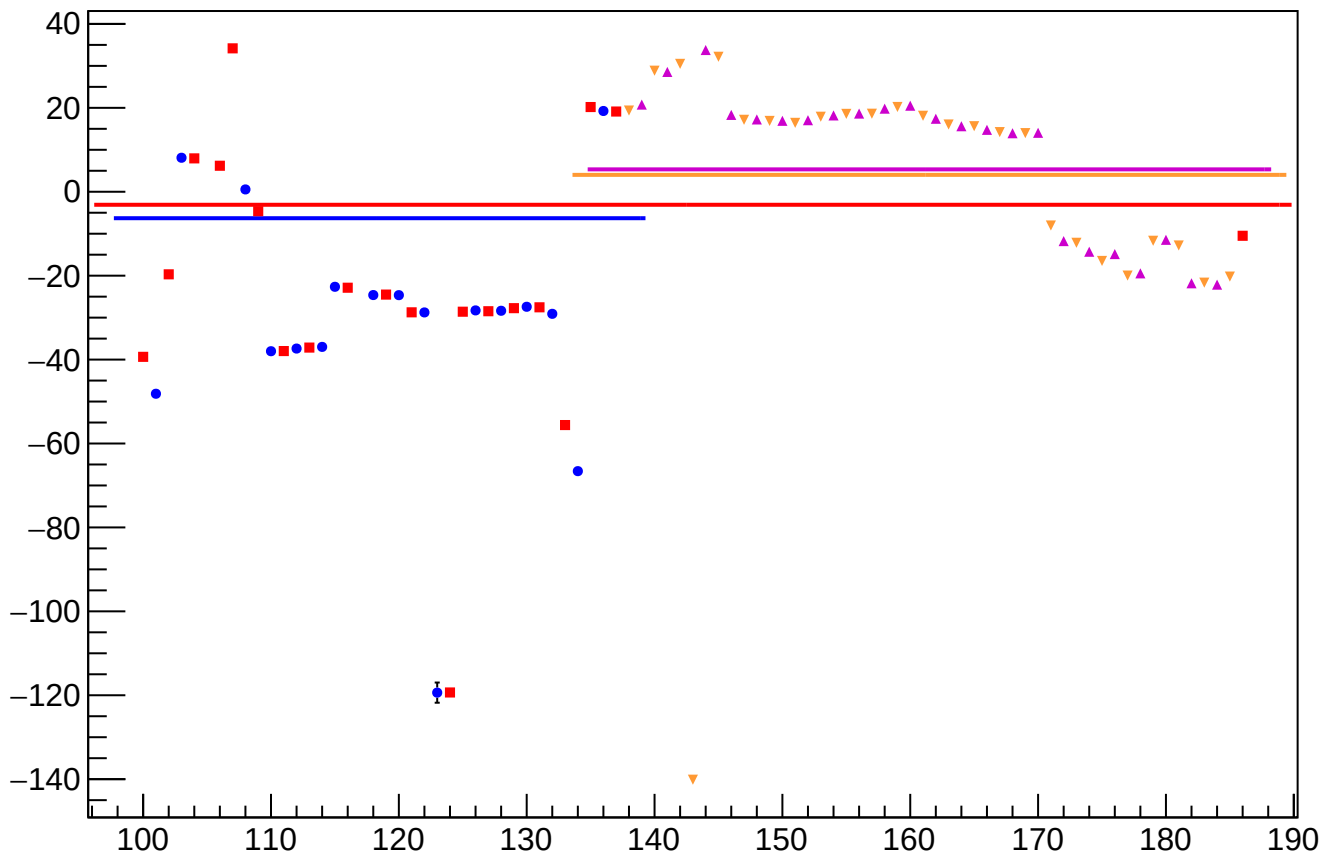
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF: 2198.8/22

+ sign 6.167 $\pm$ 0.332 χ^2 /NDF: 3959.9/41

All: 6.027 $\pm$ 0.235 χ^2 /NDF: 7467.3/84

- sign 5.886 $\pm$ 0.332 χ^2 /NDF: 3507.1/42

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.304 $\pm$ 0.046 χ^2 /NDF: 264097.6/16

Left Out: 4.026 $\pm$ 0.016 χ^2 /NDF:1383143.9/24

Right Out: -3.103 $\pm$ 0.045 χ^2 /NDF: 266158.9/19

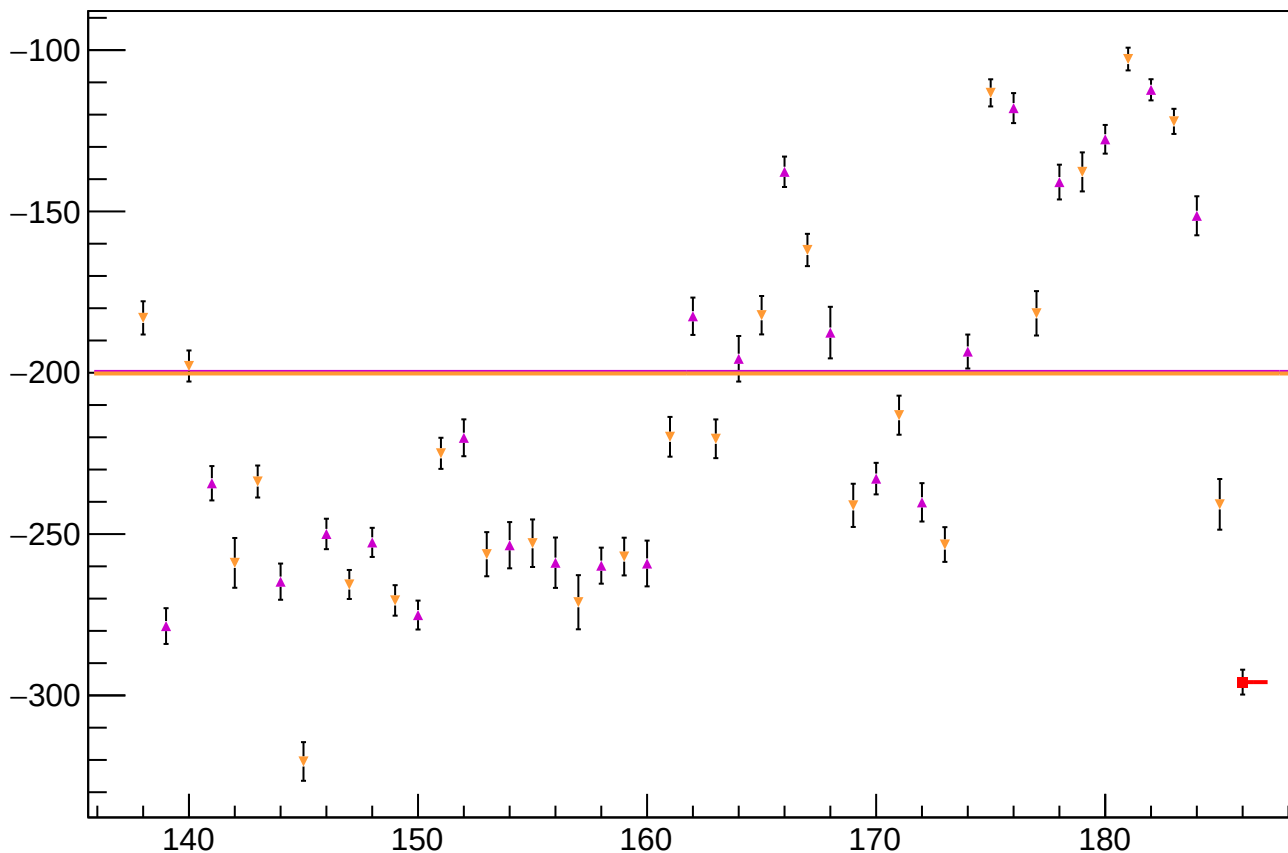
Left In: 5.335 $\pm$ 0.016 χ^2 /NDF:1077818.8/22

+ sign 2.882 $\pm$ 0.015 χ^2 /NDF: 1691379.6/41

All: 3.610 $\pm$ 0.011 χ^2 /NDF: 3071015.2/84

- sign 4.338 $\pm$ 0.015 χ^2 /NDF: 1375180.1/42

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -200.228 $\pm$ 1.078 χ^2 /NDF:3225.0/24

Right Out: -295.882 $\pm$ 3.855 χ^2 /NDF: 0.0/0

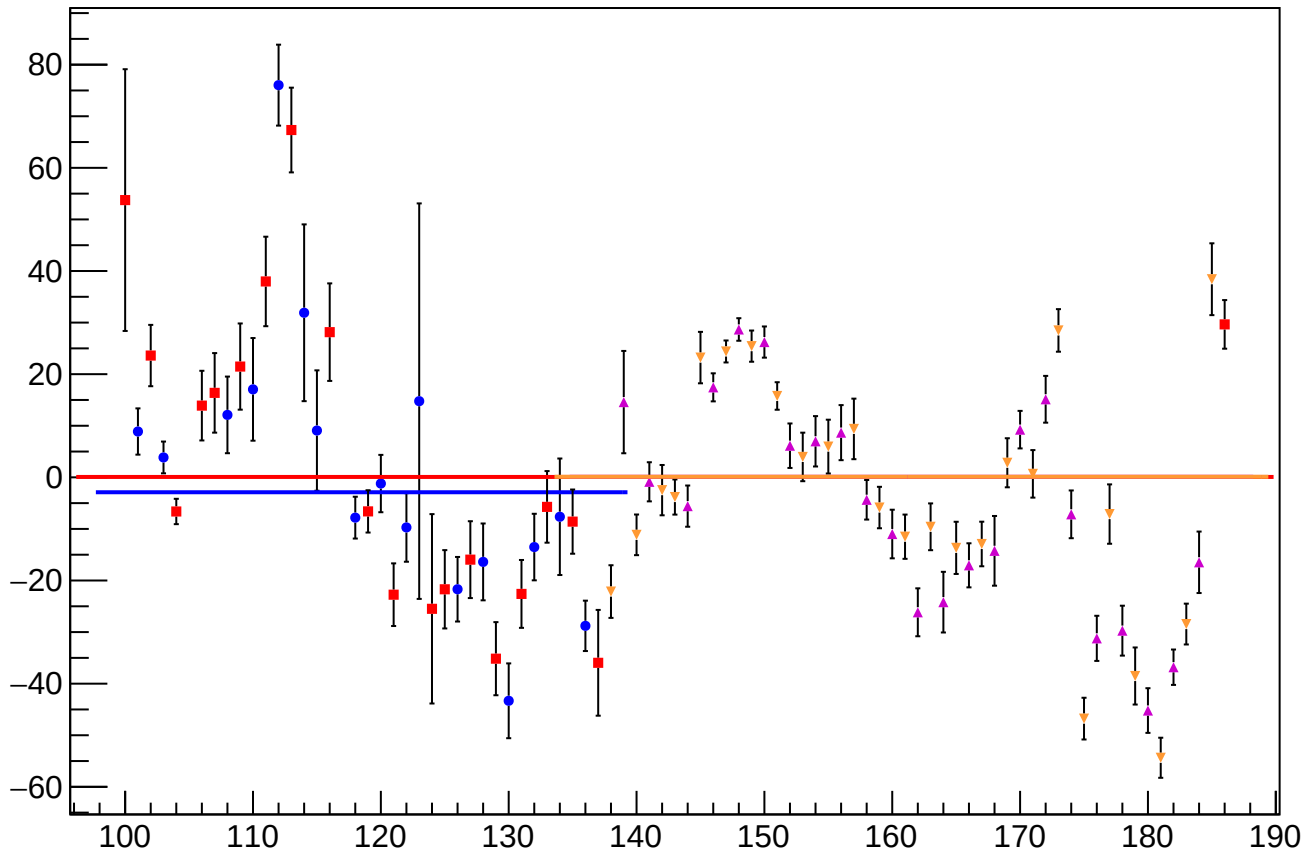
Left In: -199.739 $\pm$ 1.097 χ^2 /NDF:2968.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -203.657 $\pm$ 0.754 χ^2 /NDF: 6788.2/48

- sign -206.945 $\pm$ 1.055 χ^2 /NDF: 3543.3/23

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.891 ± 1.469 χ^2/NDF : 203.4/16

Left Out: 0.109 ± 0.807 χ^2/NDF : 831.2/24

Right Out: 0.076 ± 1.340 χ^2/NDF : 260.3/19

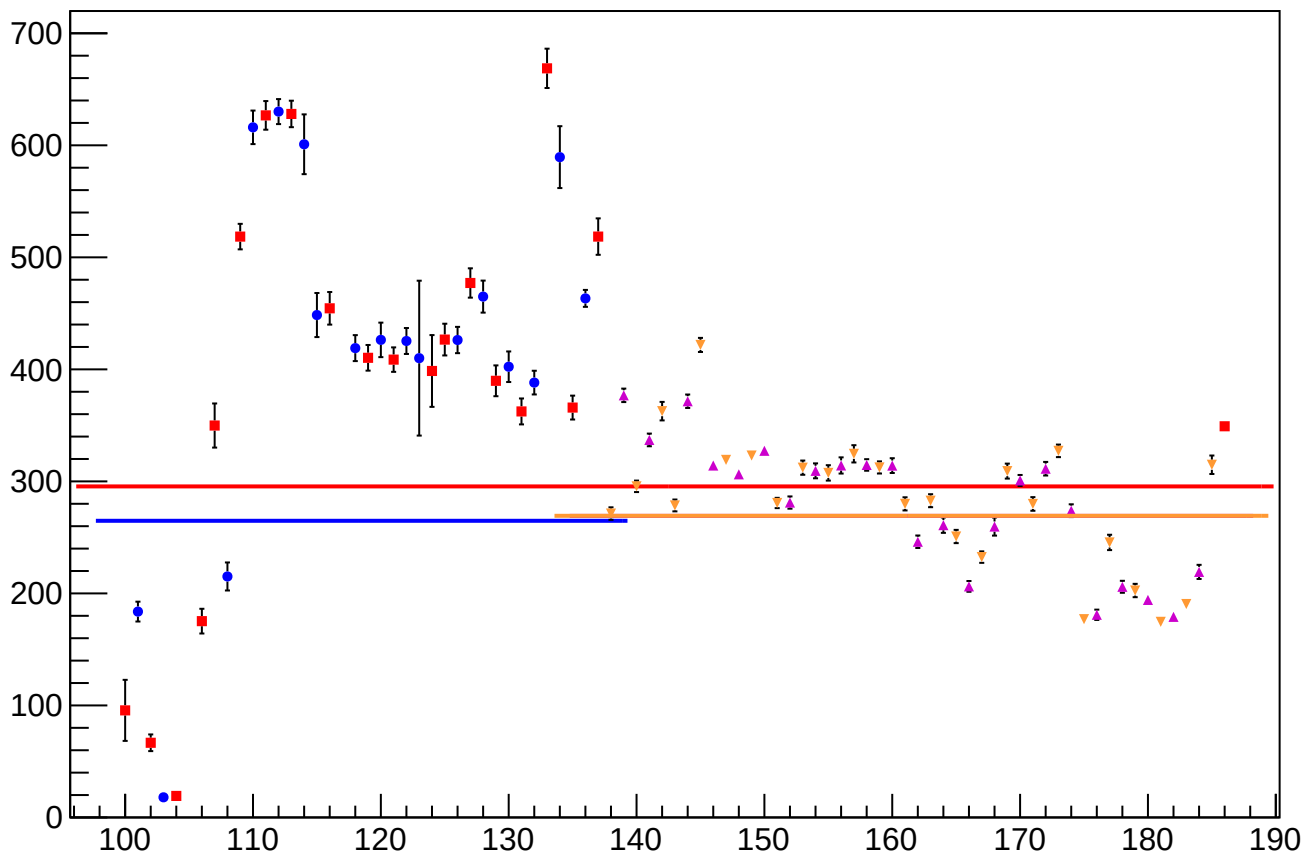
Left In: 0.097 ± 0.838 χ^2/NDF : 715.5/22

+ sign -0.587 ± 0.707 χ^2/NDF : 1037.9/41

All: -0.249 ± 0.501 χ^2/NDF : 2014.1/84

- sign 0.091 ± 0.710 χ^2/NDF : 975.8/42

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 264.819 $\pm$ 2.491 χ^2 /NDF: 7613.2/16

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 295.507 $\pm$ 1.921 χ^2 /NDF: 8695.6/19

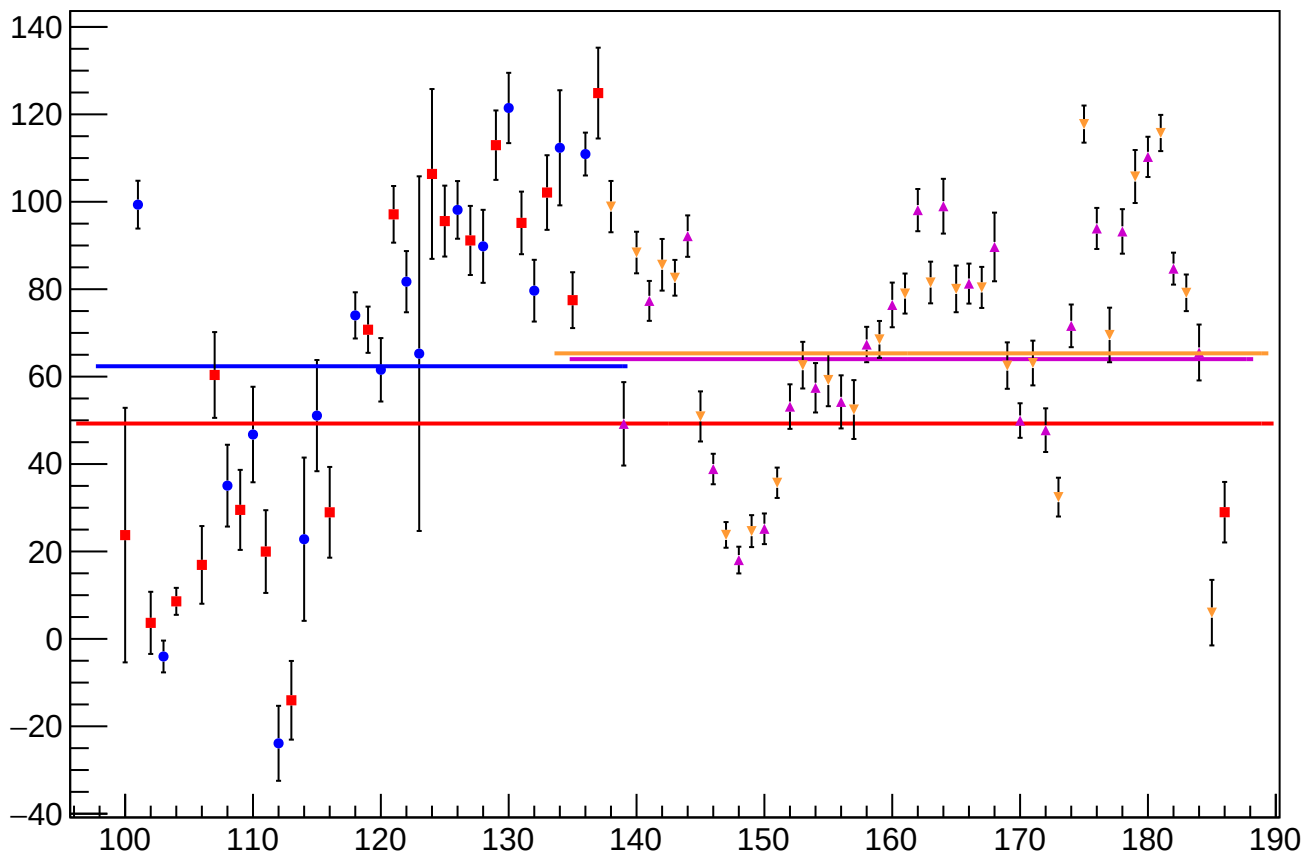
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 268.575 $\pm$ 0.989 χ^2 /NDF: 10762.6/41

All: 272.237 $\pm$ 0.685 χ^2 /NDF: 22796.6/84

- sign 275.605 $\pm$ 0.948 χ^2 /NDF: 12007.7/42

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.373 ± 1.697 $\chi^2/\text{NDF}: 720.9/16$

Left Out: 65.323 ± 0.935 $\chi^2/\text{NDF}: 1007.1/24$

Right Out: 49.269 ± 1.600 $\chi^2/\text{NDF}: 662.9/19$

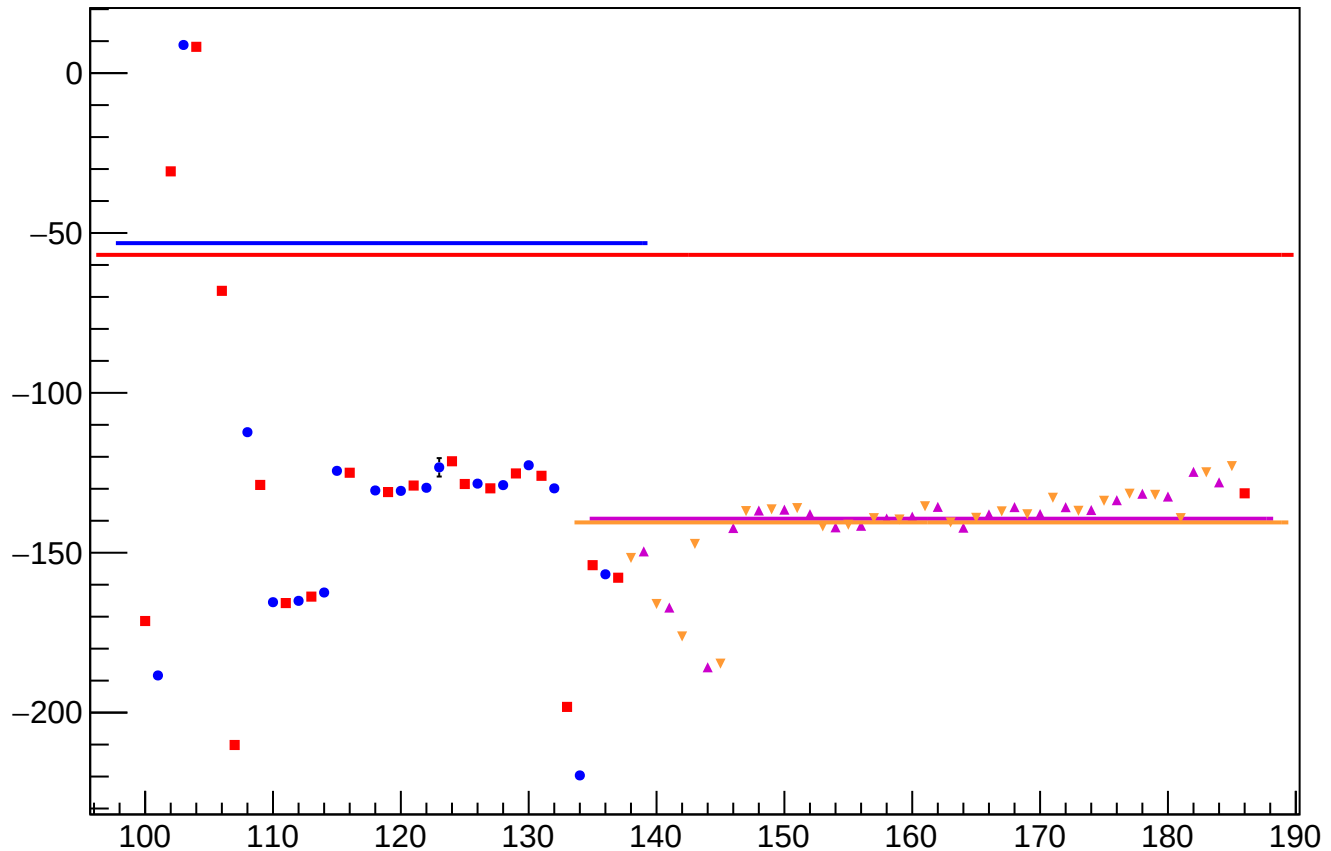
Left In: 63.999 ± 0.963 $\chi^2/\text{NDF}: 799.5/22$

+ sign 64.636 ± 0.819 $\chi^2/\text{NDF}: 1730.3/41$

All: 62.376 ± 0.581 $\chi^2/\text{NDF}: 3270.3/84$

- sign 60.081 ± 0.825 $\chi^2/\text{NDF}: 1524.6/42$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.177 ± 0.070 $\chi^2/\text{NDF}: 1223993.8/16$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -56.842 ± 0.071 $\chi^2/\text{NDF}: 988595.4/19$

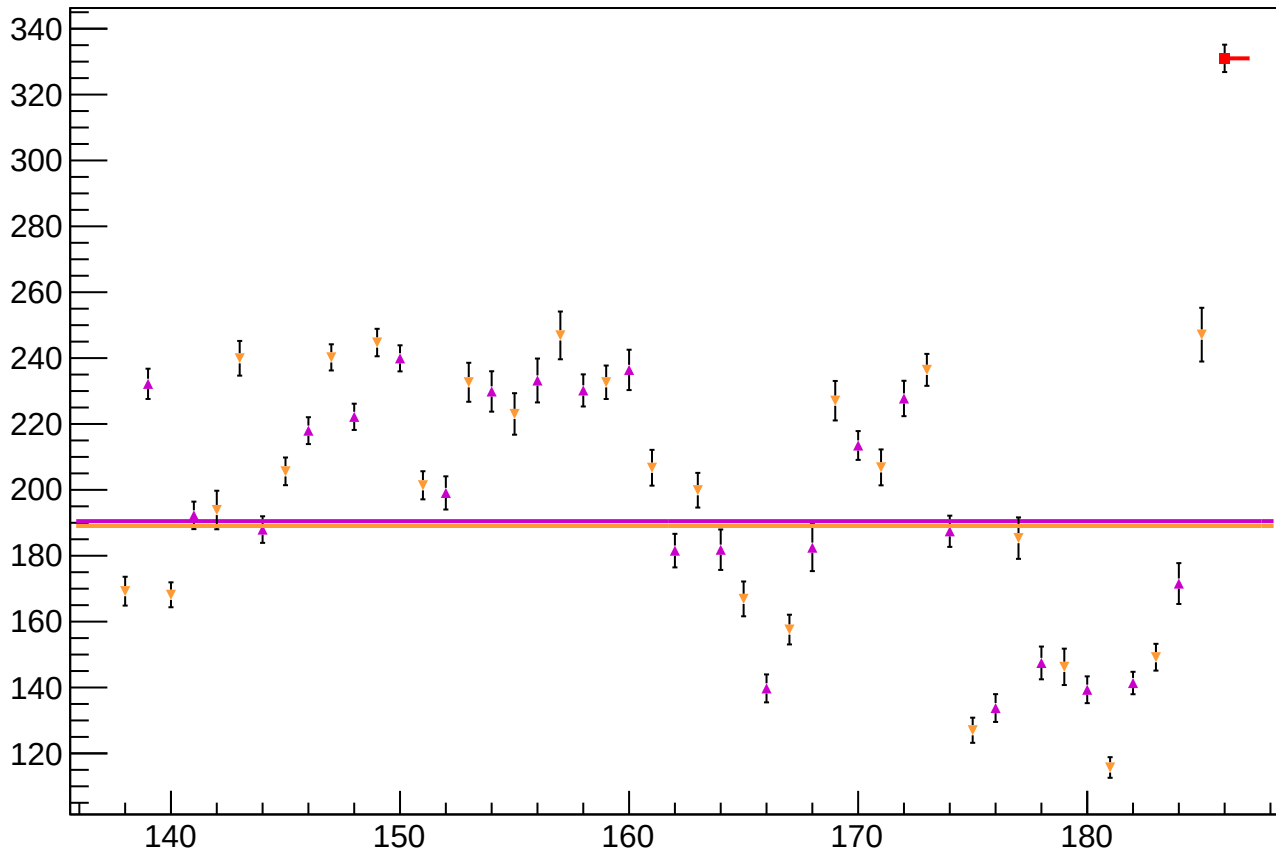
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -115.566 ± 0.038 $\chi^2/\text{NDF}: 2399446.7/41$

All: -115.693 ± 0.027 $\chi^2/\text{NDF}: 4409202.6/84$

- sign -115.823 ± 0.038 $\chi^2/\text{NDF}: 2009732.7/42$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 189.030+/-0.956 χ^2/NDF : 1980.9/24

Right Out: 330.994+/-4.156 χ^2/NDF : 0.0/0

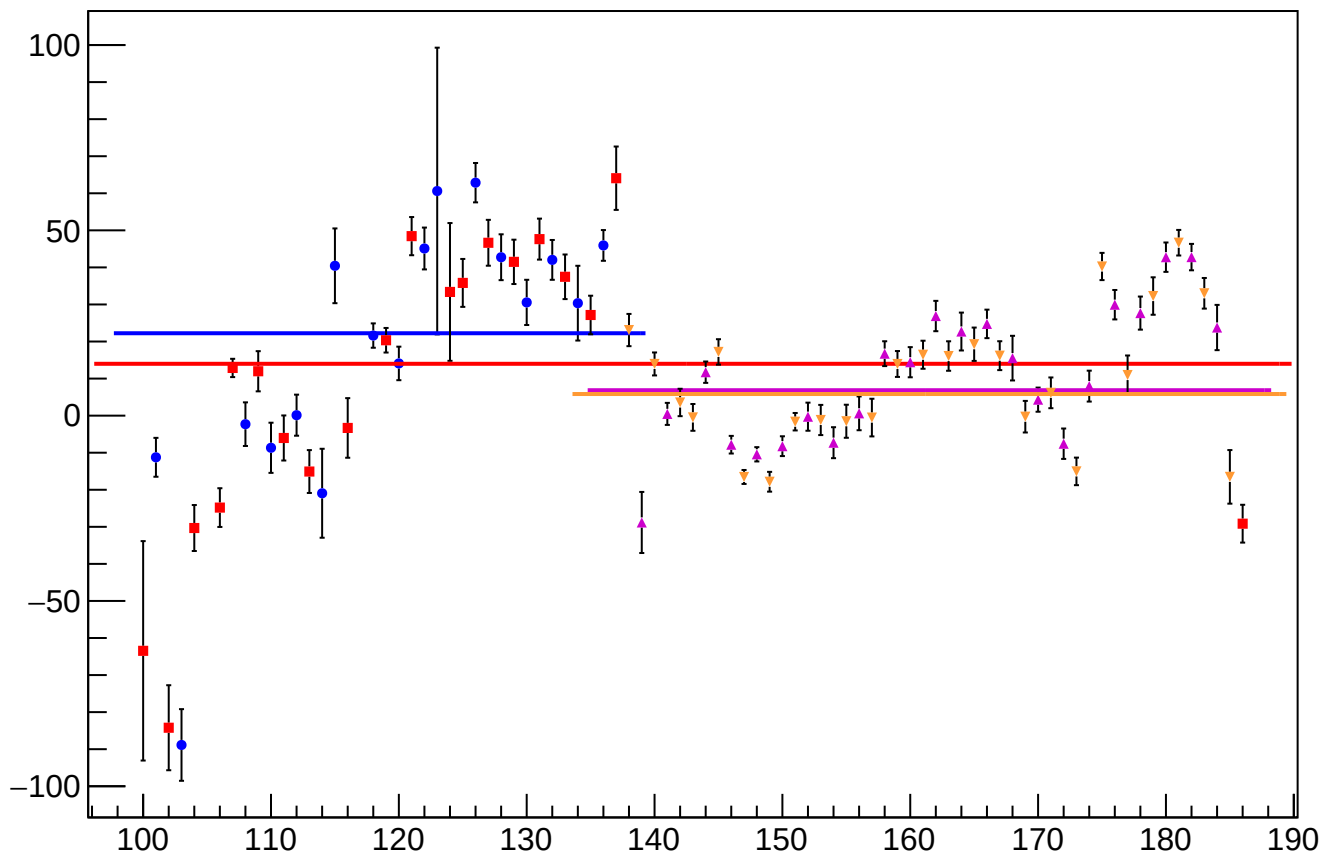
Left In: 190.506+/-0.975 χ^2/NDF : 1412.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 193.463+/-0.674 χ^2/NDF : 4519.5/48

- sign 197.836+/-0.949 χ^2/NDF : 2495.8/23

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.234 ± 1.398 $\chi^2/\text{NDF}: 382.0/16$

Left Out: 5.834 ± 0.712 $\chi^2/\text{NDF}: 652.2/24$

Right Out: 13.990 ± 1.194 $\chi^2/\text{NDF}: 501.7/19$

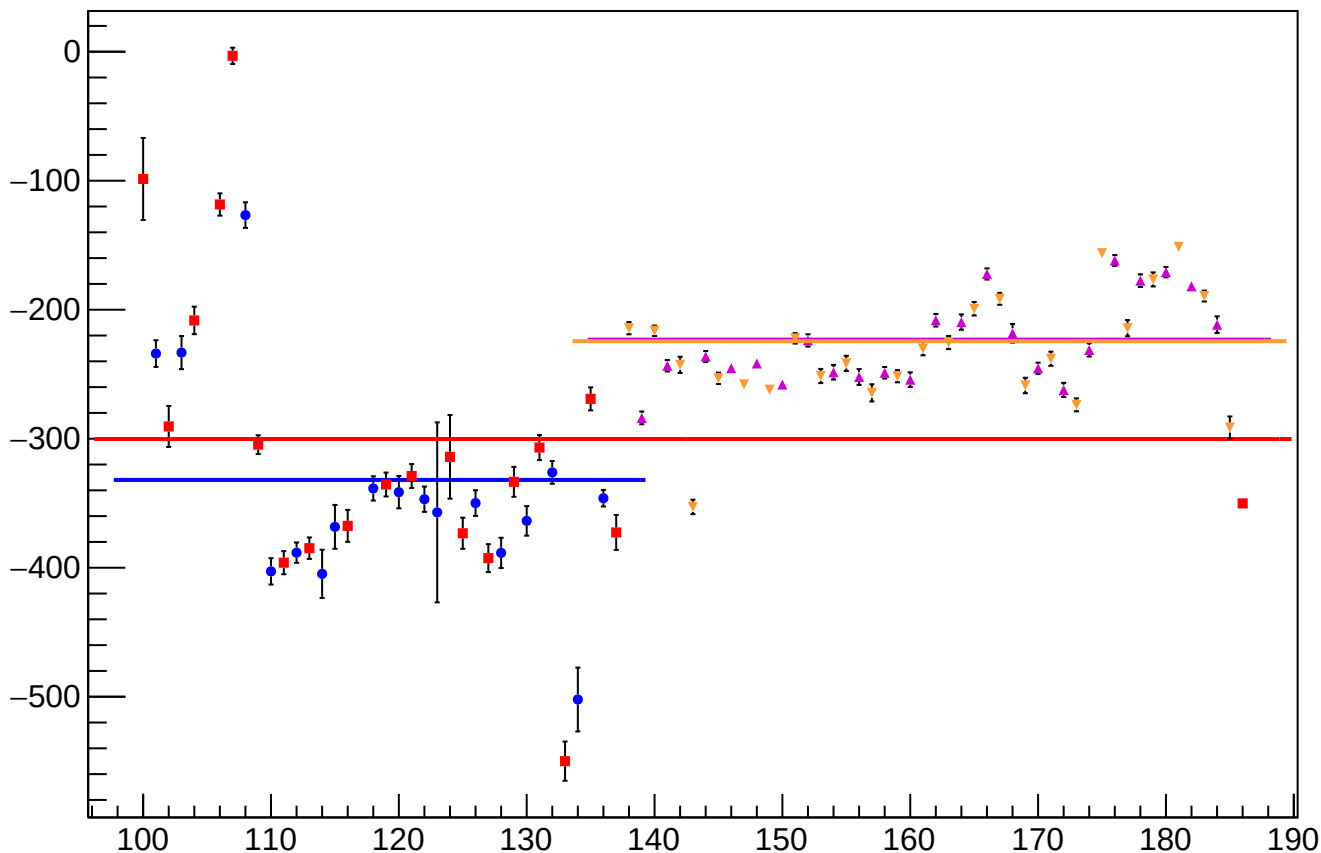
Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

+ sign 9.215 ± 0.635 $\chi^2/\text{NDF}: 1143.4/41$

All: 9.017 ± 0.446 $\chi^2/\text{NDF}: 2193.9/84$

- sign 8.824 ± 0.627 $\chi^2/\text{NDF}: 1050.3/42$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.943+/-2.586 χ^2 /NDF: 785.9/16

Left Out: -224.364+/-0.956 χ^2 /NDF:2103.2/24

Right Out: -300.232+/-1.905 χ^2 /NDF: 3697.0/19

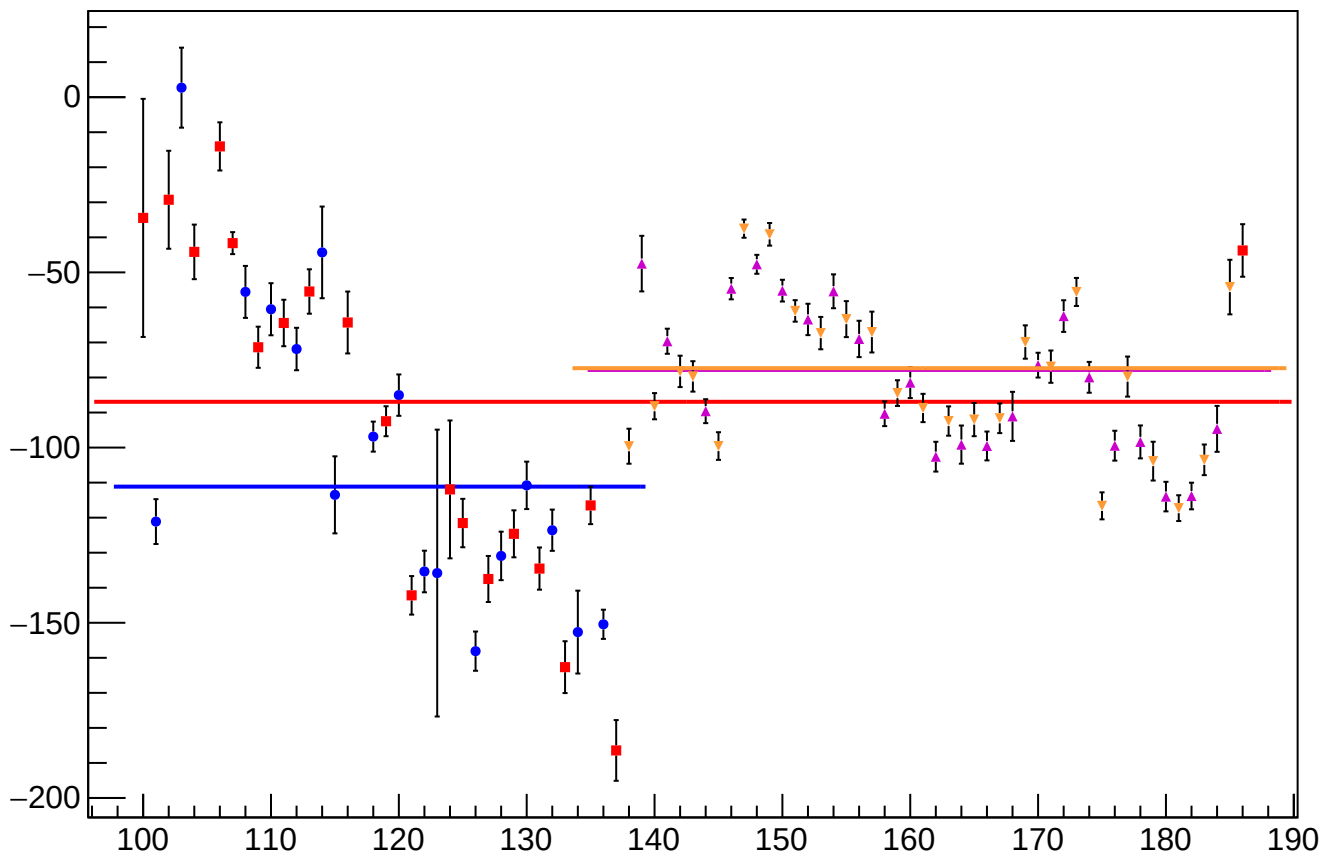
Left In: -223.223+/-0.969 χ^2 /NDF:1269.3/22

+ sign -237.302+/-0.897 χ^2 /NDF: 4411.9/41

All: -238.215+/-0.622 χ^2 /NDF: 10678.9/84

- sign -239.062+/-0.864 χ^2 /NDF: 6264.9/42

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.144 ± 1.601 $\chi^2/\text{NDF}: 504.6/16$

Left Out: -77.343 ± 0.827 $\chi^2/\text{NDF}: 846.2/24$

Right Out: -86.935 ± 1.409 $\chi^2/\text{NDF}: 1003.1/19$

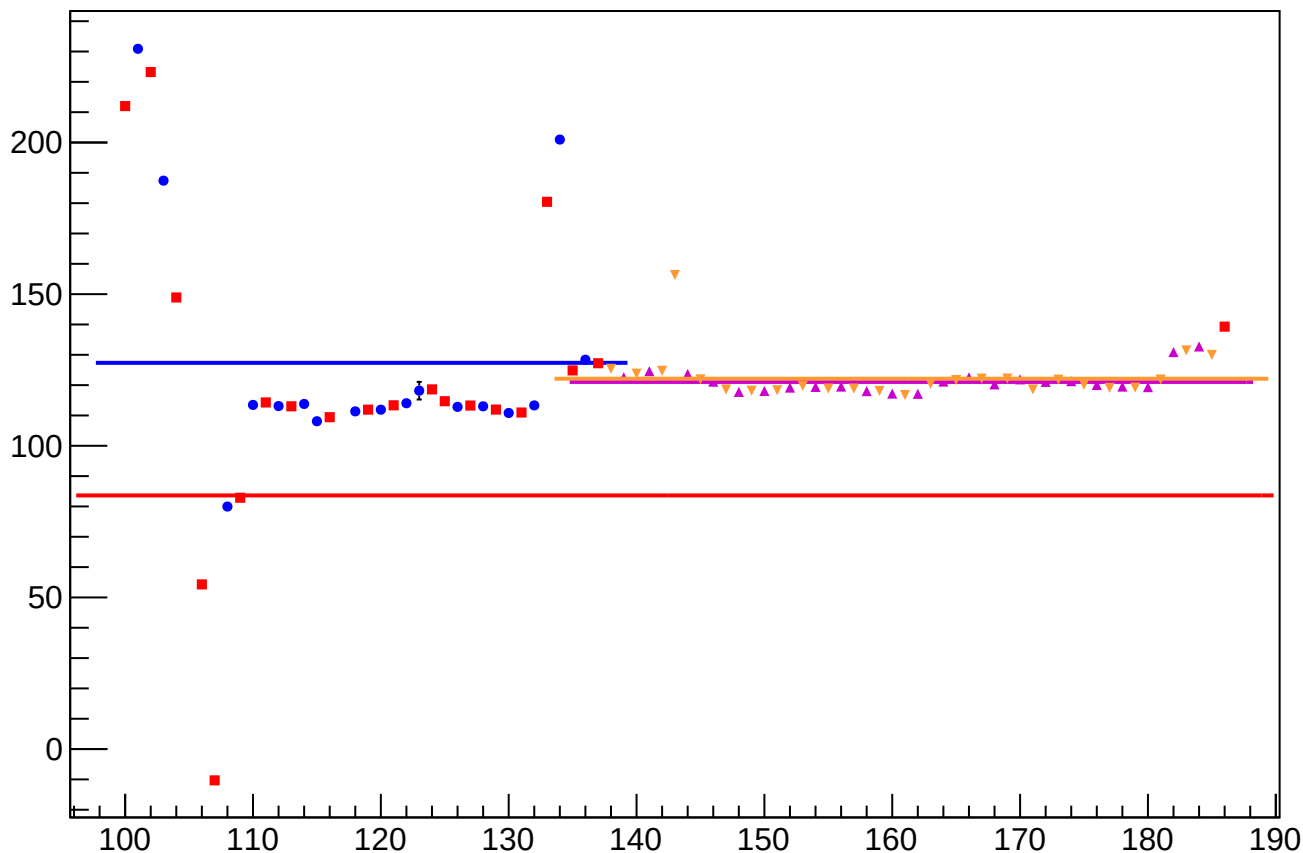
Left In: -77.838 ± 0.849 $\chi^2/\text{NDF}: 622.8/22$

+ sign -84.459 ± 0.734 $\chi^2/\text{NDF}: 1702.8/41$

All: -82.338 ± 0.517 $\chi^2/\text{NDF}: 3375.7/84$

- sign -80.259 ± 0.727 $\chi^2/\text{NDF}: 1656.5/42$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.355 $\pm$ 0.090 χ^2 /NDF: 187728.6/16

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF: 30480.7/24

Right Out: 83.635 $\pm$ 0.075 χ^2 /NDF: 775599.3/19

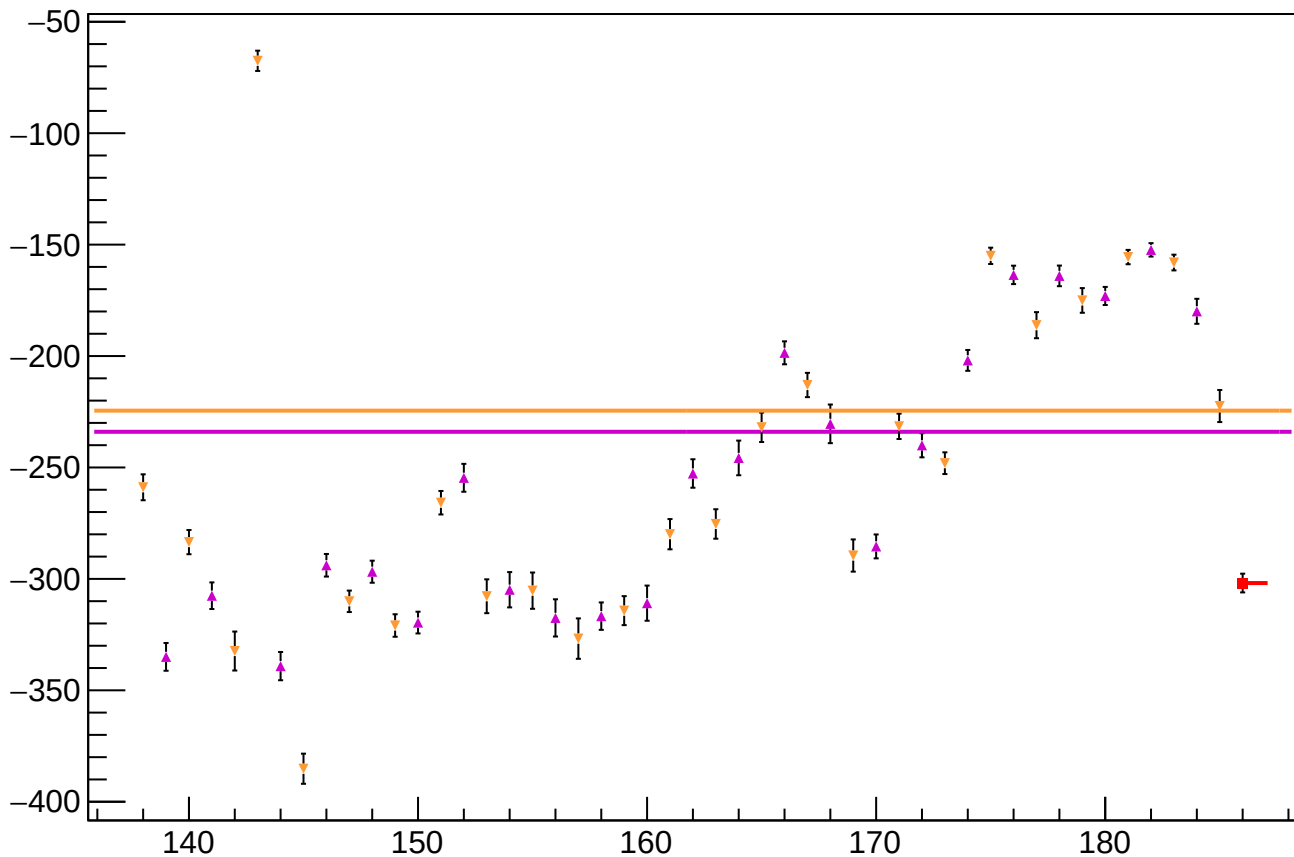
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 122.968 $\pm$ 0.036 χ^2 /NDF: 221072.8/41

All: 117.744 $\pm$ 0.025 χ^2 /NDF: 1241003.4/84

- sign 112.802 $\pm$ 0.035 χ^2 /NDF: 979114.5/42

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -224.501+/-1.079 χ^2/NDF : 4870.6/24

Right Out: -301.864+/-4.204 χ^2/NDF : 0.0/0

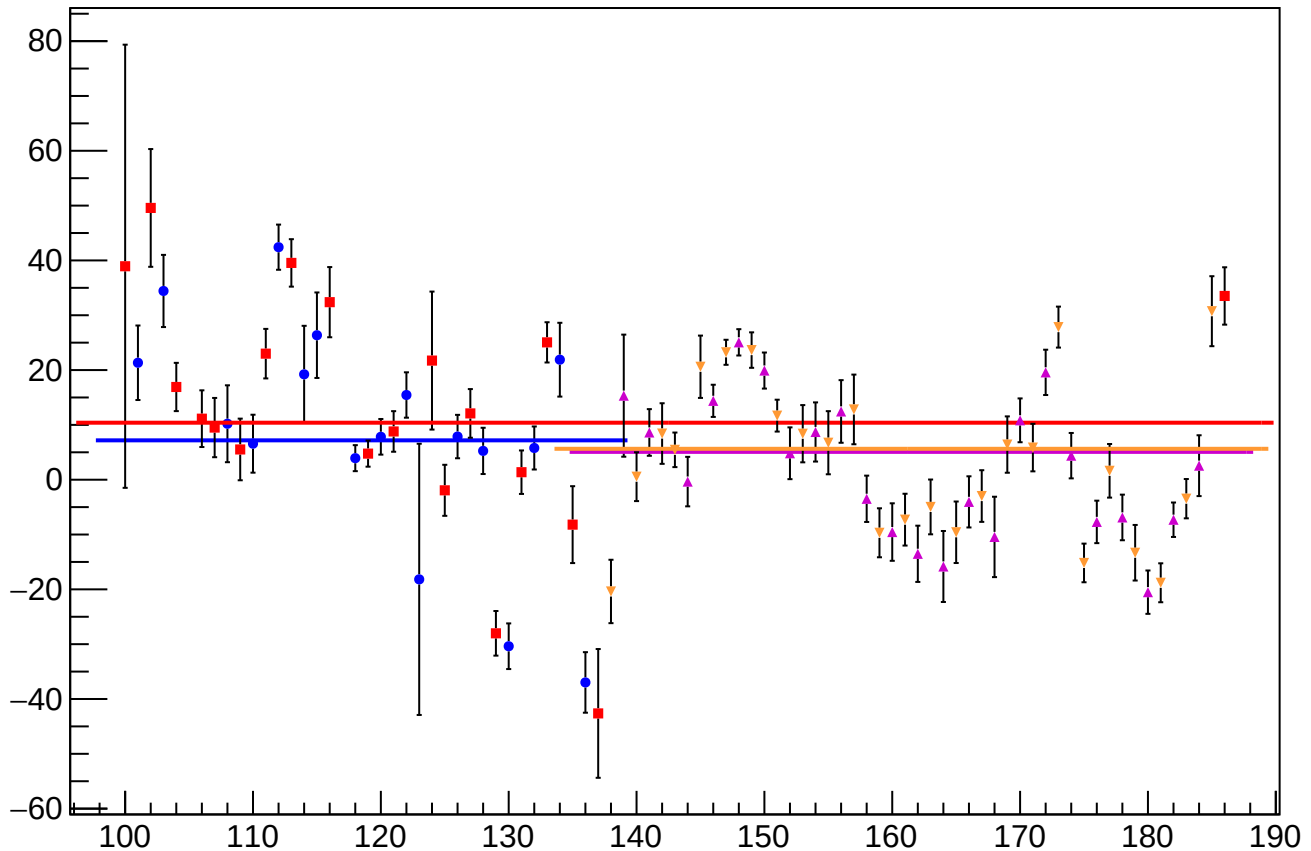
Left In: -233.988+/-1.109 χ^2/NDF : 3538.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -231.497+/-0.760 χ^2/NDF : 8736.3/48

- sign -238.401+/-1.072 χ^2/NDF : 3782.2/23

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.181 ± 1.105 χ^2/NDF : 260.1/16

Left Out: 5.638 ± 0.828 χ^2/NDF : 313.6/24

Right Out: 10.399 ± 1.051 χ^2/NDF : 252.6/19

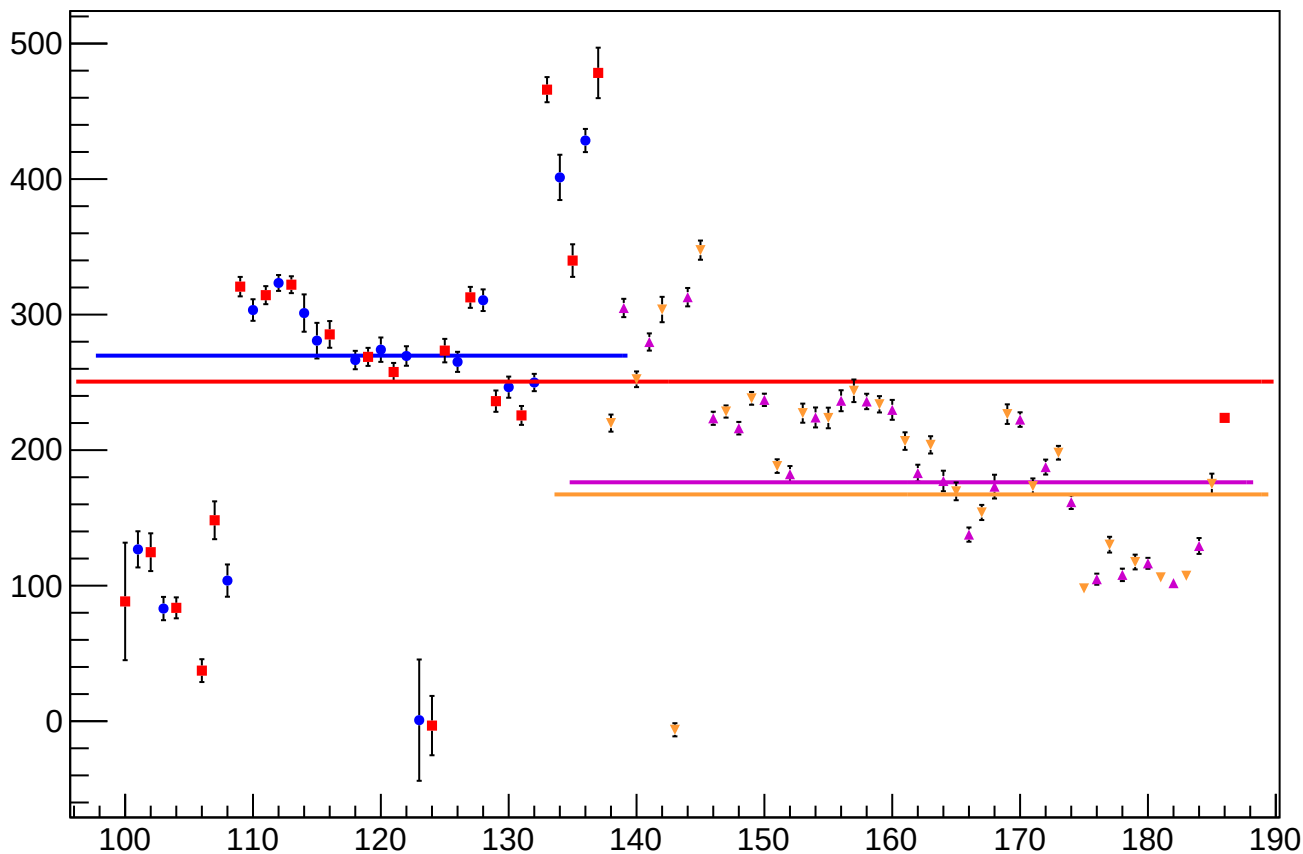
Left In: 5.077 ± 0.869 χ^2/NDF : 239.7/22

+ sign 6.193 ± 0.663 χ^2/NDF : 575.0/41

All: 6.710 ± 0.471 χ^2/NDF : 1083.8/84

- sign 7.238 ± 0.670 χ^2/NDF : 507.5/42

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.720 $\pm$ 2.094 χ^2 /NDF: 1375.9/16

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF: 4454.5/24

Right Out: 250.559 $\pm$ 1.707 χ^2 /NDF: 2625.7/19

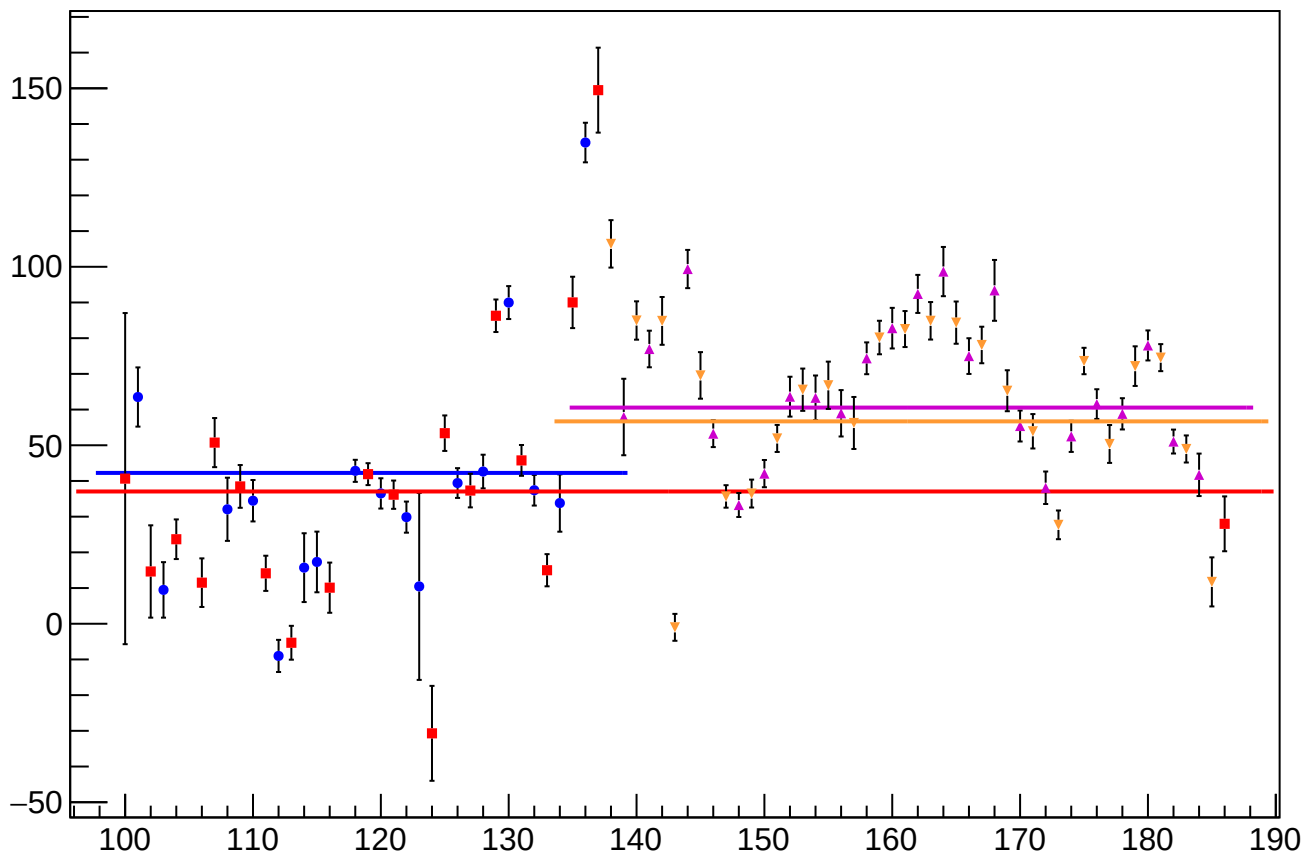
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF: 3169.5/22

+ sign 188.920 $\pm$ 0.962 χ^2 /NDF: 7717.1/41

All: 193.745 $\pm$ 0.668 χ^2 /NDF: 14895.7/84

- sign 198.238 $\pm$ 0.928 χ^2 /NDF: 7129.9/42

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.255 $\pm$ 1.277 χ^2 /NDF: 573.1/16

Left Out: 56.695 $\pm$ 0.952 χ^2 /NDF: 690.4/24

Right Out: 37.053 $\pm$ 1.221 χ^2 /NDF: 472.0/19

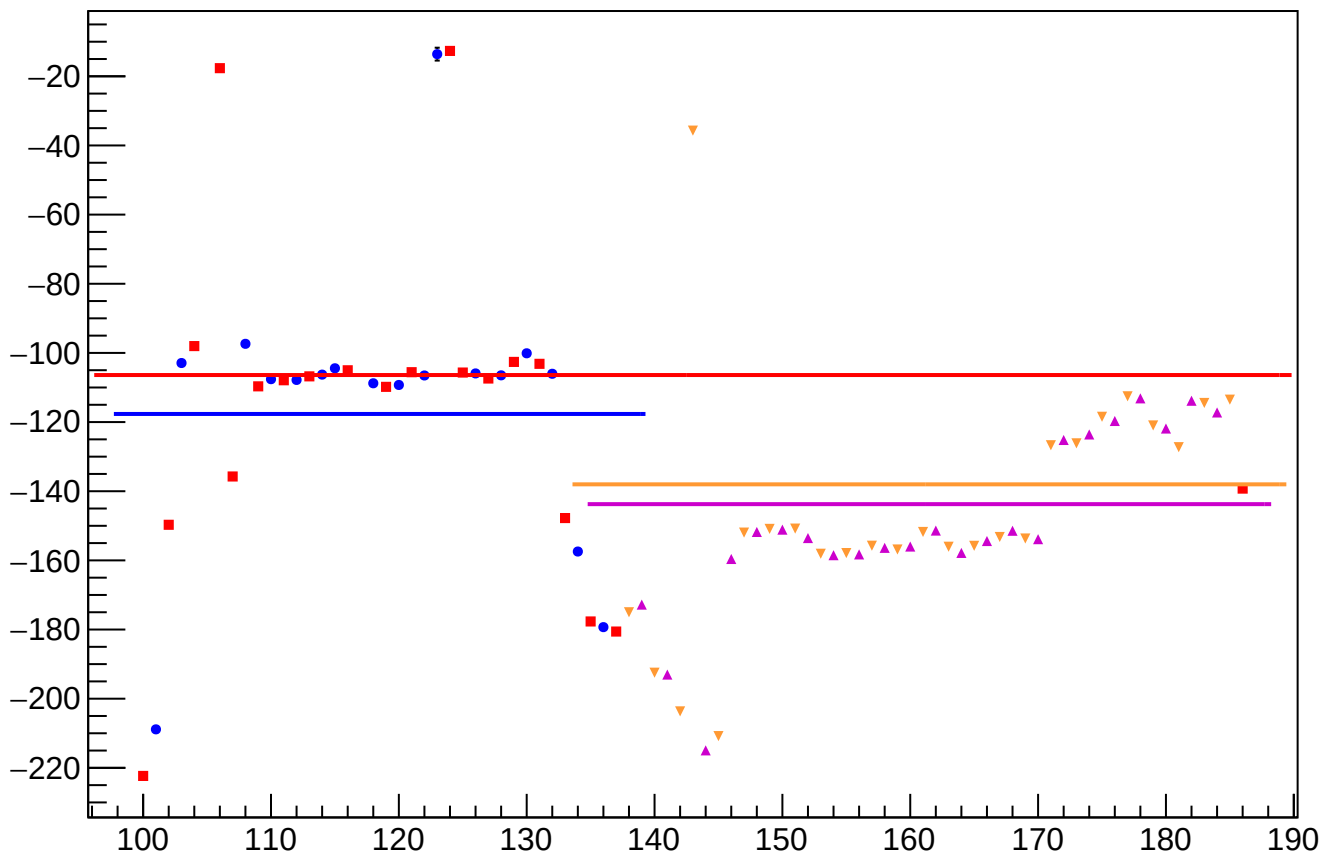
Left In: 60.555 $\pm$ 0.990 χ^2 /NDF: 335.6/22

+ sign 51.536 $\pm$ 0.763 χ^2 /NDF: 1345.7/41

All: 51.386 $\pm$ 0.542 χ^2 /NDF: 2376.9/84

- sign 51.233 $\pm$ 0.769 χ^2 /NDF: 1031.0/42

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.654+/-0.079 χ^2/NDF : 141832.7/16

Left Out: -138.008+/-0.045 χ^2/NDF : 565767.2/24

Right Out: -106.397+/-0.072 χ^2/NDF : 326894.5/19

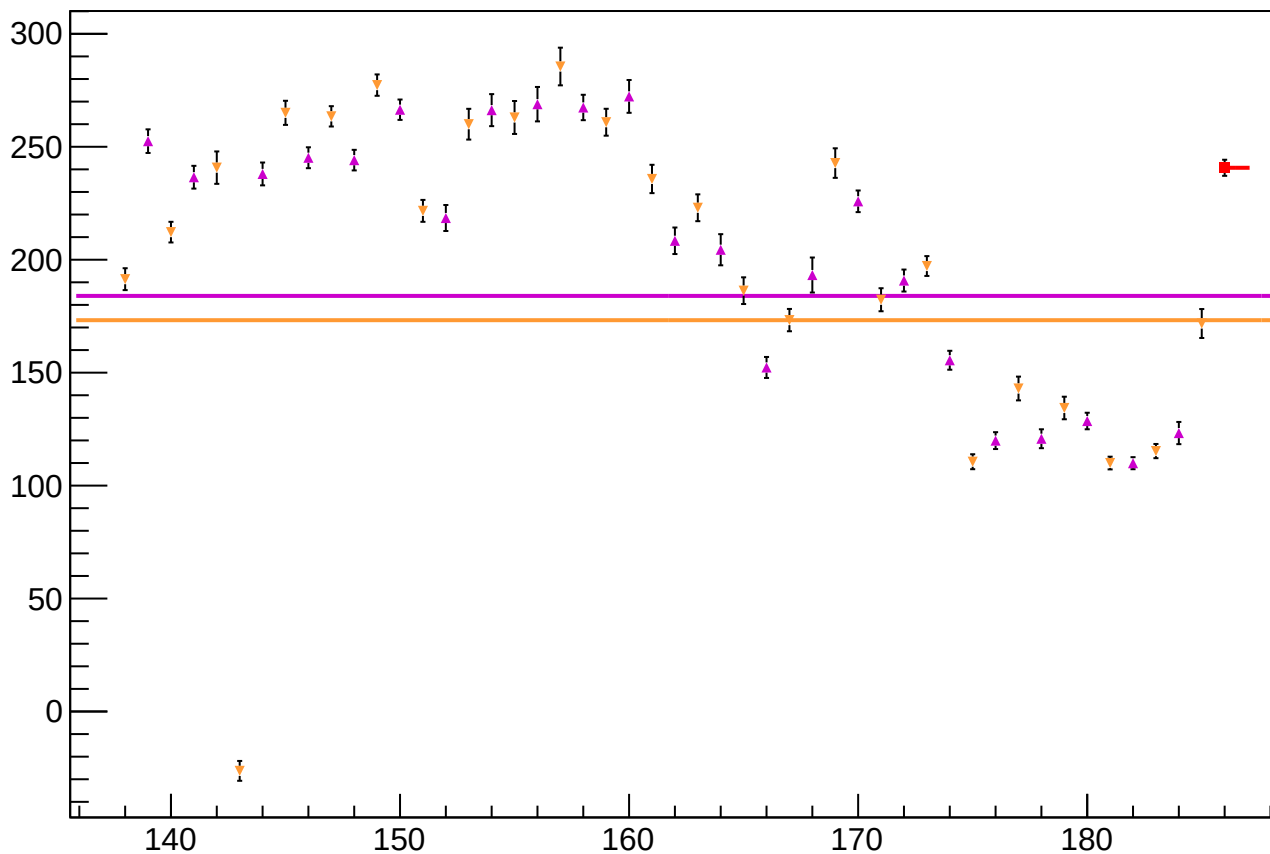
Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

+ sign -132.968+/-0.039 χ^2/NDF : 757977.8/41

All: -132.950+/-0.028 χ^2/NDF : 1533075.0/84

- sign -132.933+/-0.039 χ^2/NDF : 775096.8/42

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 173.229+/-0.966 χ^2/NDF : 5846.0/24

Right Out: 240.702+/-3.560 χ^2/NDF : 0.0/0

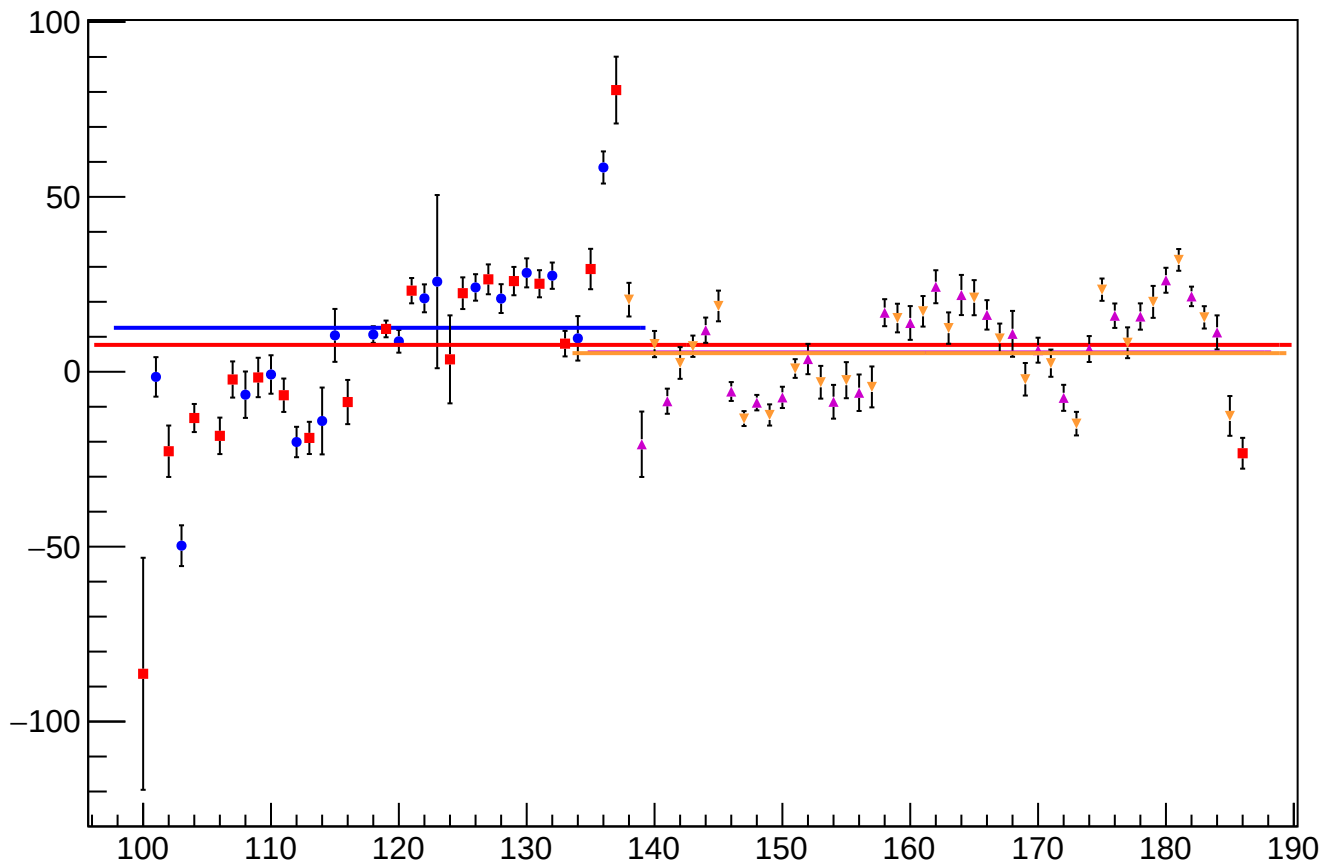
Left In: 183.984+/-0.991 χ^2/NDF : 3613.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 180.731+/-0.679 χ^2/NDF : 9814.6/48

- sign 188.063+/-0.955 χ^2/NDF : 3849.3/23

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.569+/-1.076 χ^2/NDF : 348.8/16

Left Out: 5.321+/-0.747 χ^2/NDF : 345.5/24

Right Out: 7.686+/-1.021 χ^2/NDF : 347.0/19

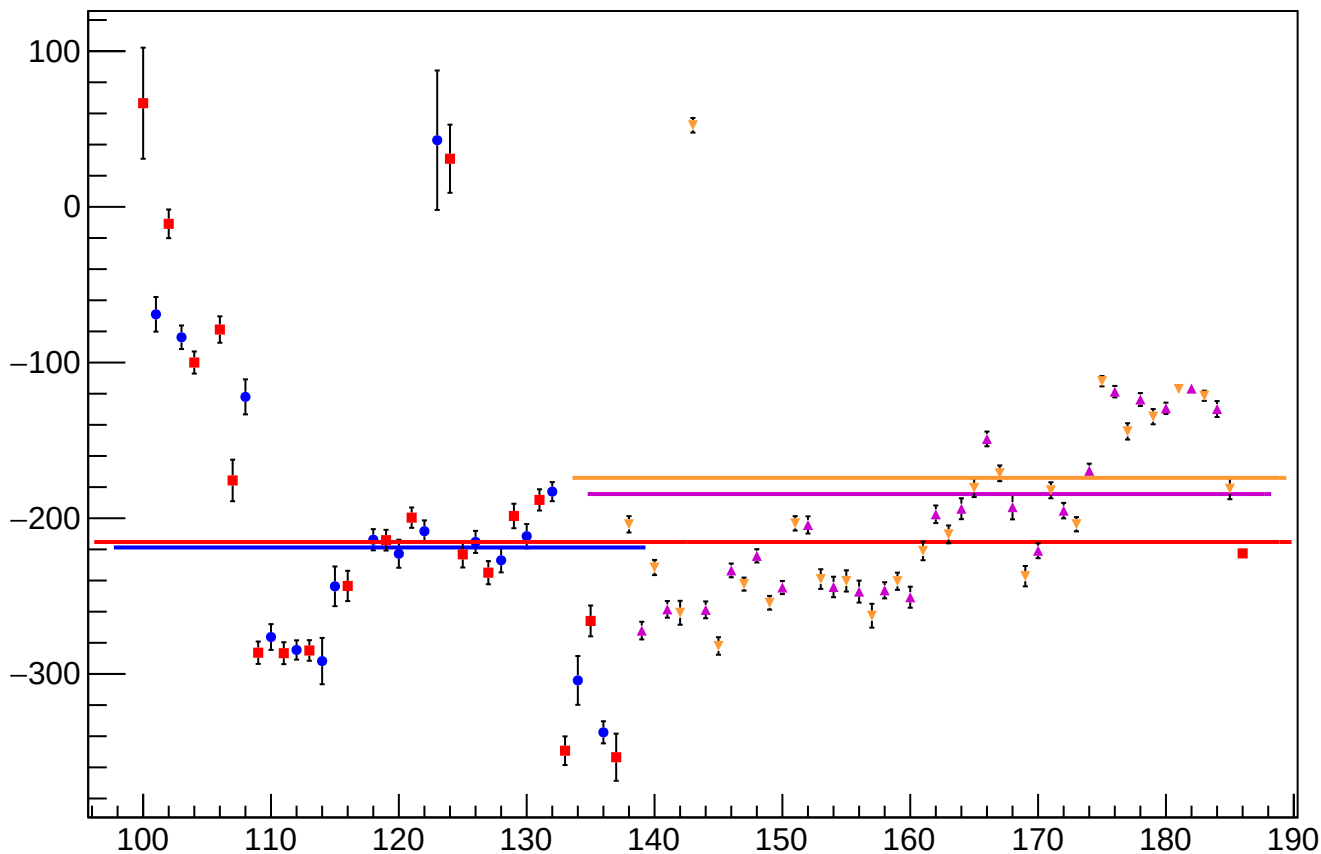
Left In: 5.527+/-0.781 χ^2/NDF : 256.3/22

+ sign 7.680+/-0.614 χ^2/NDF : 725.0/41

All: 7.009+/-0.436 χ^2/NDF : 1333.6/84

- sign 6.324+/-0.620 χ^2/NDF : 606.2/42

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.764 ± 2.027 χ^2/NDF : 1144.2/16

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -215.230 ± 1.595 χ^2/NDF : 1894.4/19

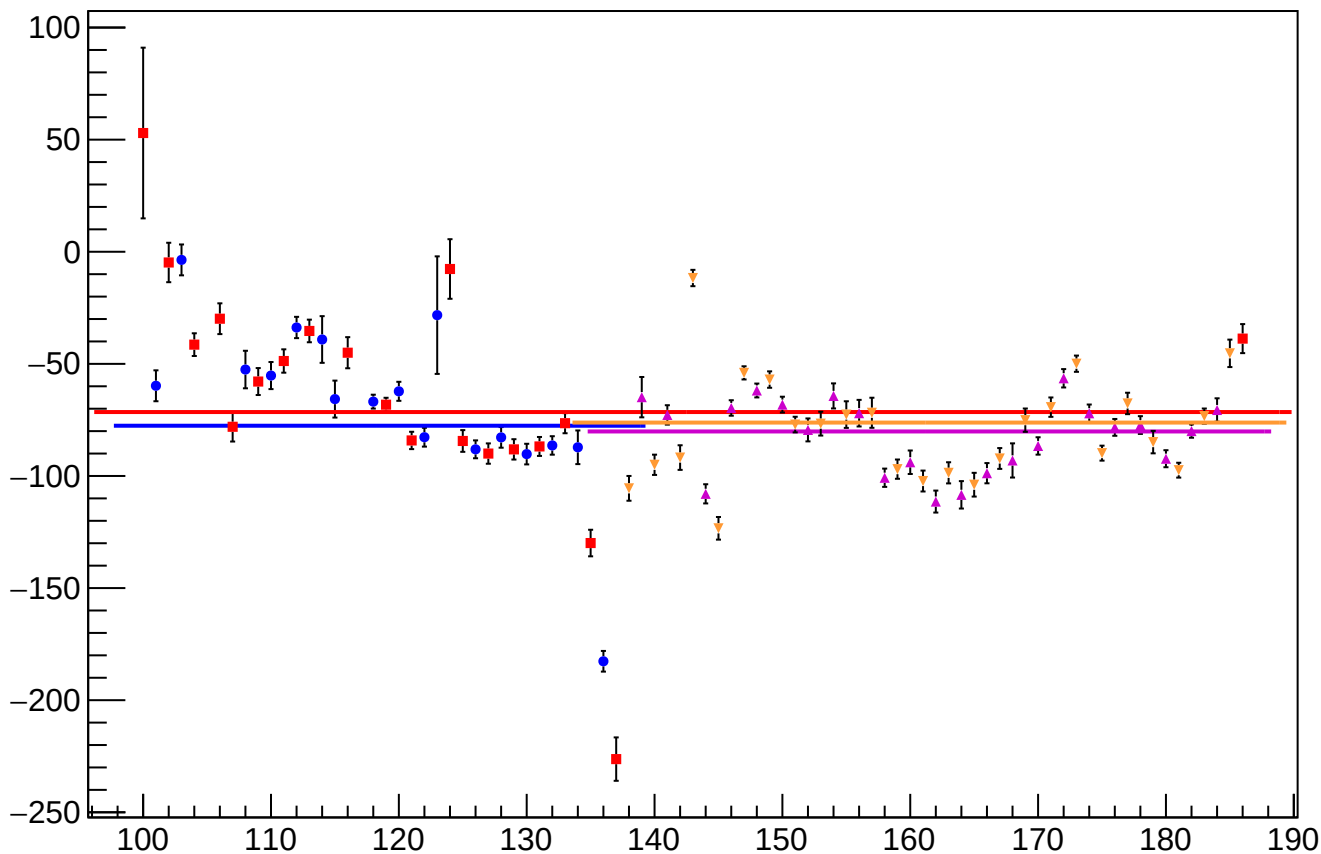
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -182.402 ± 0.876 χ^2/NDF : 6983.2/41

All: -187.922 ± 0.607 χ^2/NDF : 12274.2/84

- sign -193.021 ± 0.841 χ^2/NDF : 5214.6/42

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.591 ± 1.239 χ^2/NDF : 816.4/16

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -71.489 ± 1.188 χ^2/NDF : 696.7/19

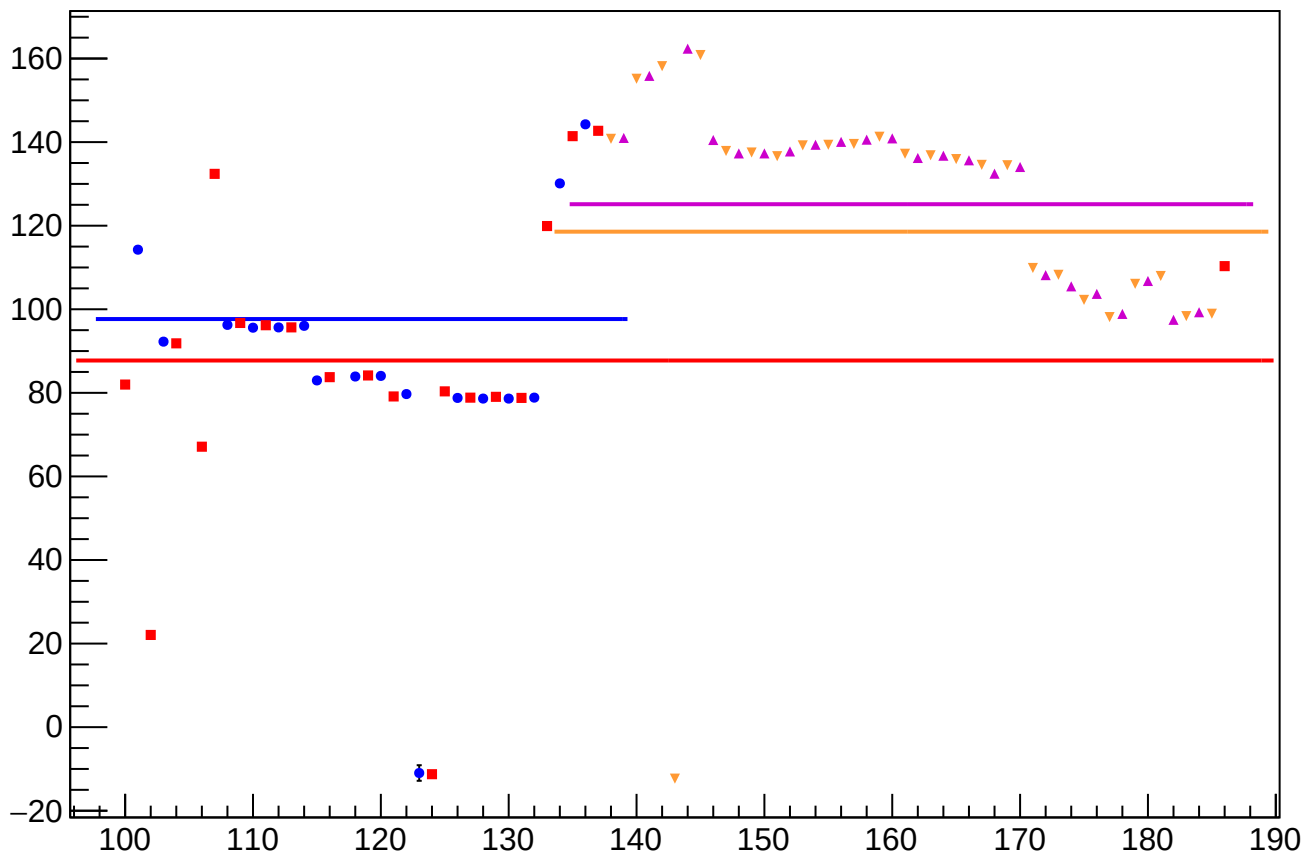
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -76.638 ± 0.705 χ^2/NDF : 1618.3/41

All: -76.837 ± 0.501 χ^2/NDF : 2632.4/84

- sign -77.040 ± 0.712 χ^2/NDF : 1014.0/42

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.659 $\pm$ 0.074 χ^2 /NDF: 93912.8/16

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 87.739 $\pm$ 0.068 χ^2 /NDF: 223310.6/19

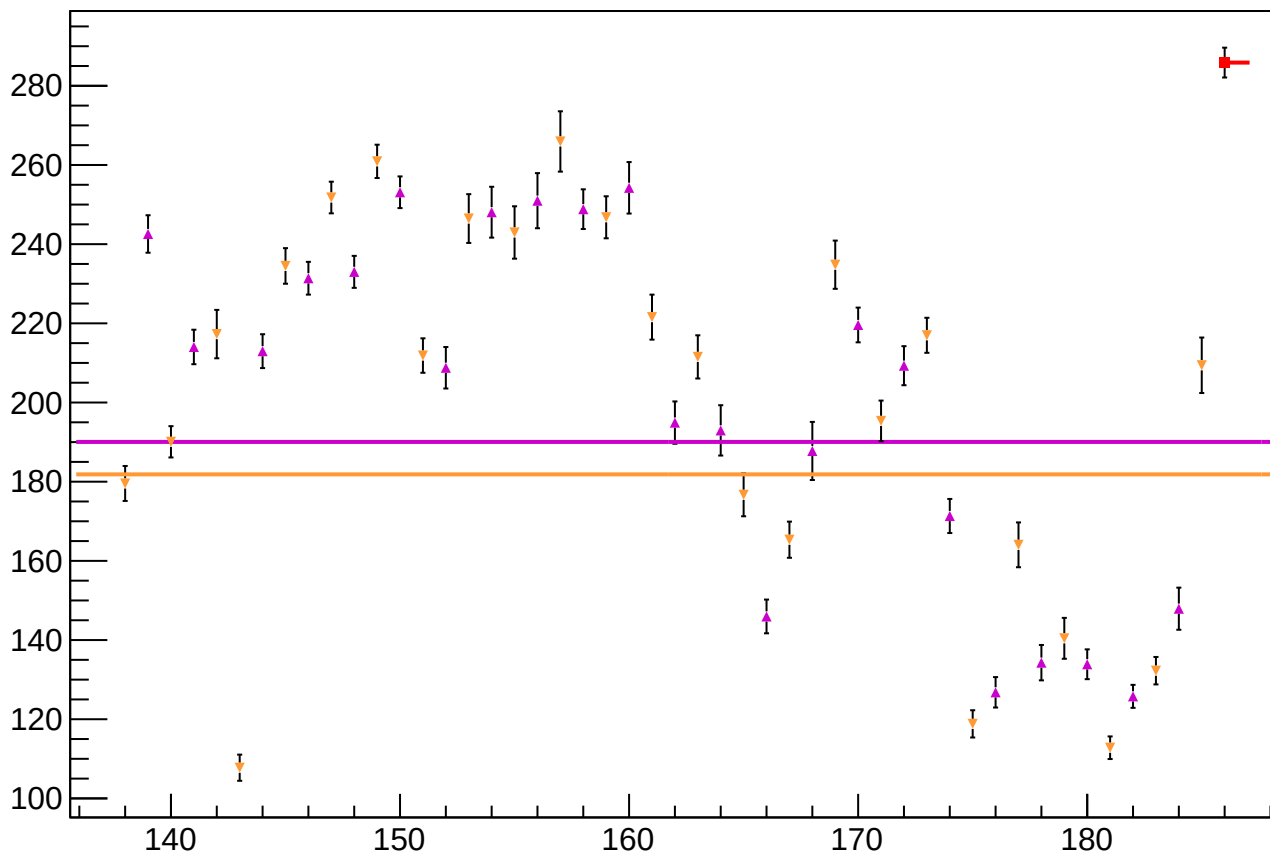
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 113.732 $\pm$ 0.036 χ^2 /NDF: 884279.1/41

All: 114.362 $\pm$ 0.025 χ^2 /NDF: 1552052.0/84

- sign 114.981 $\pm$ 0.035 χ^2 /NDF: 667149.3/42

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF:3303.4/24

Right Out: 285.865 $\pm$ 3.768 χ^2 /NDF: 0.0/0

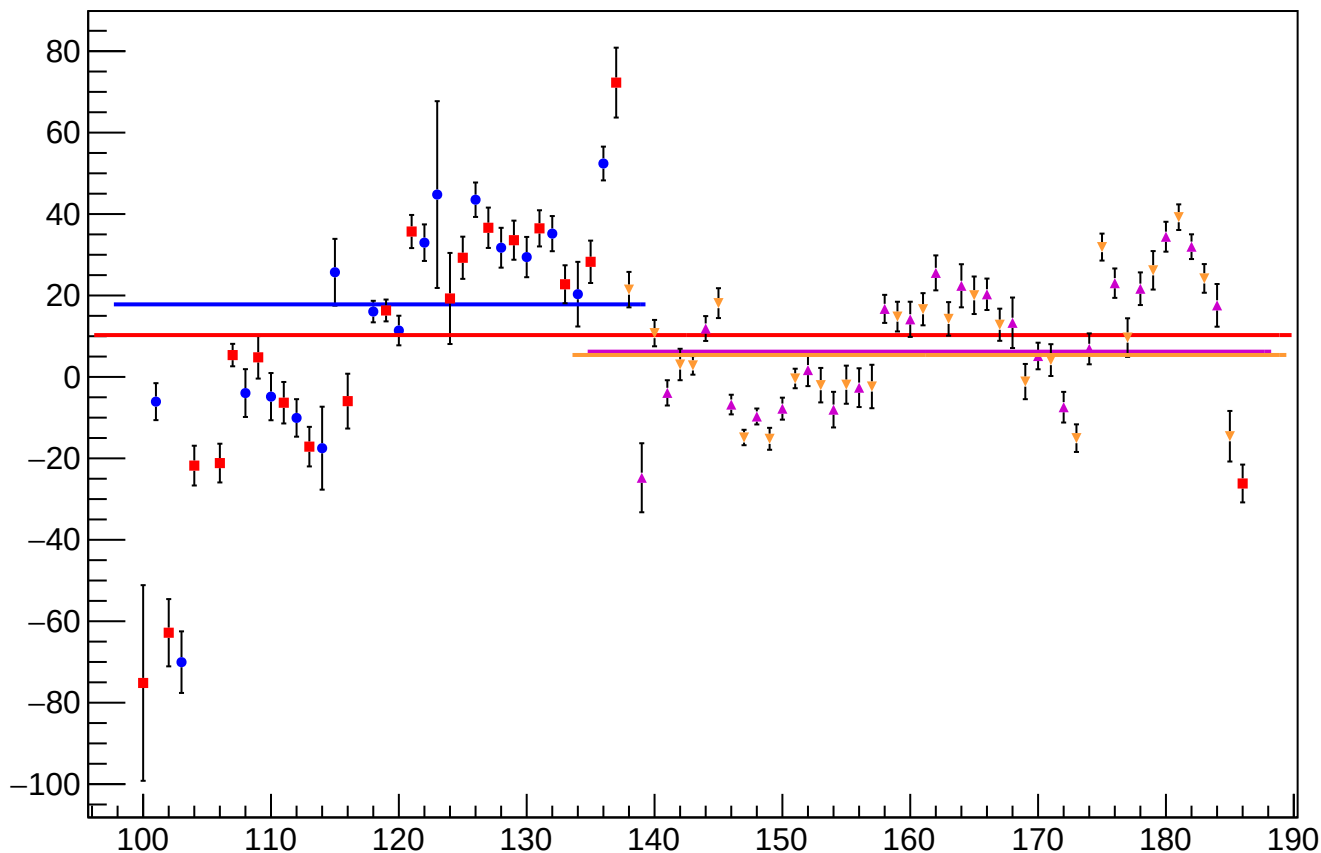
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 188.749 $\pm$ 0.649 χ^2 /NDF: 6465.0/48

- sign 195.807 $\pm$ 0.924 χ^2 /NDF: 3046.2/23

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.818 ± 1.168 $\chi^2/\text{NDF}: 394.0/16$

Left Out: 5.394 ± 0.688 $\chi^2/\text{NDF}: 526.5/24$

Right Out: 10.277 ± 1.056 $\chi^2/\text{NDF}: 508.0/19$

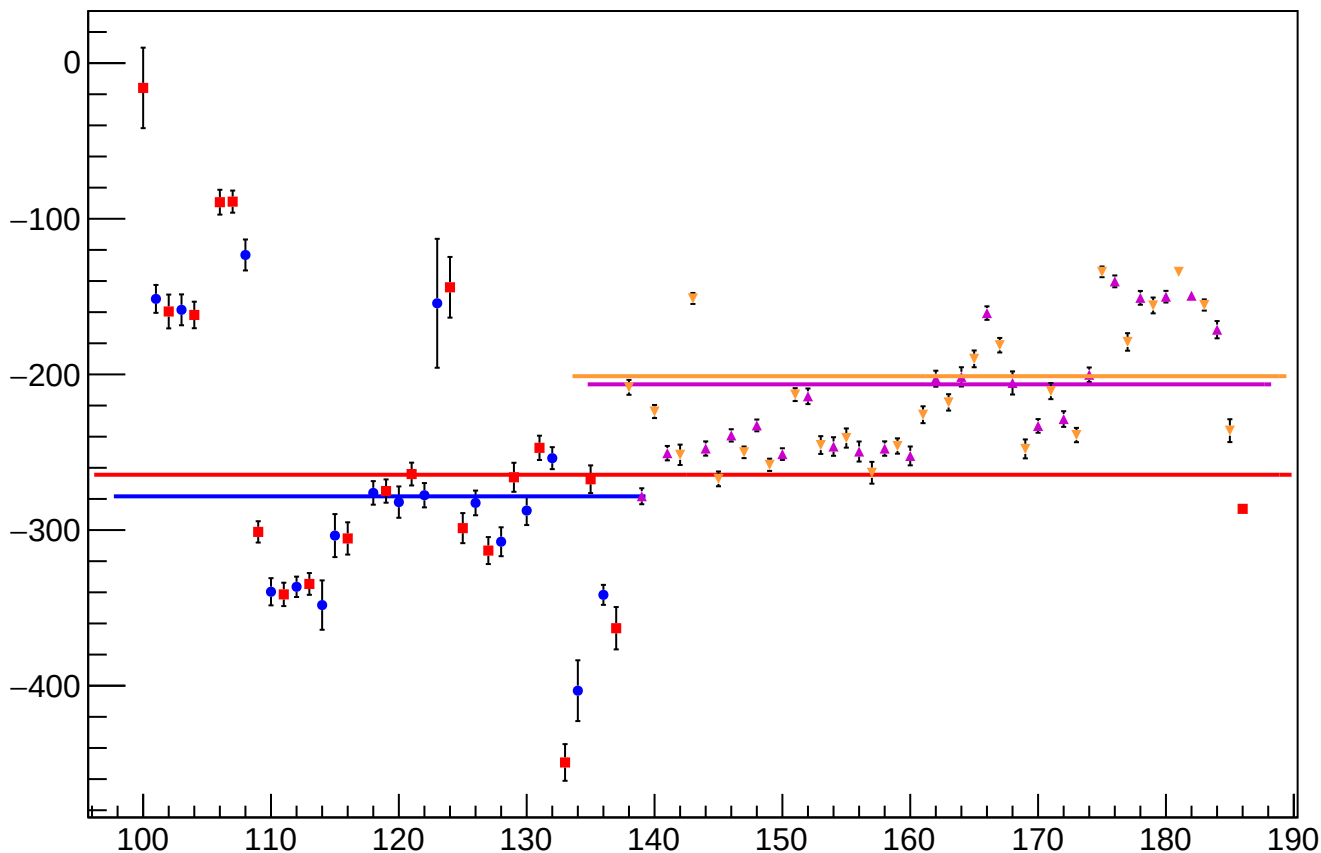
Left In: 6.206 ± 0.732 $\chi^2/\text{NDF}: 407.5/22$

+ sign 8.593 ± 0.593 $\chi^2/\text{NDF}: 1004.5/41$

All: 8.068 ± 0.422 $\chi^2/\text{NDF}: 1931.7/84$

- sign 7.526 ± 0.601 $\chi^2/\text{NDF}: 925.6/42$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.336 ± 2.190 χ^2/NDF : 910.1/16

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -264.458 ± 1.678 χ^2/NDF : 2113.9/19

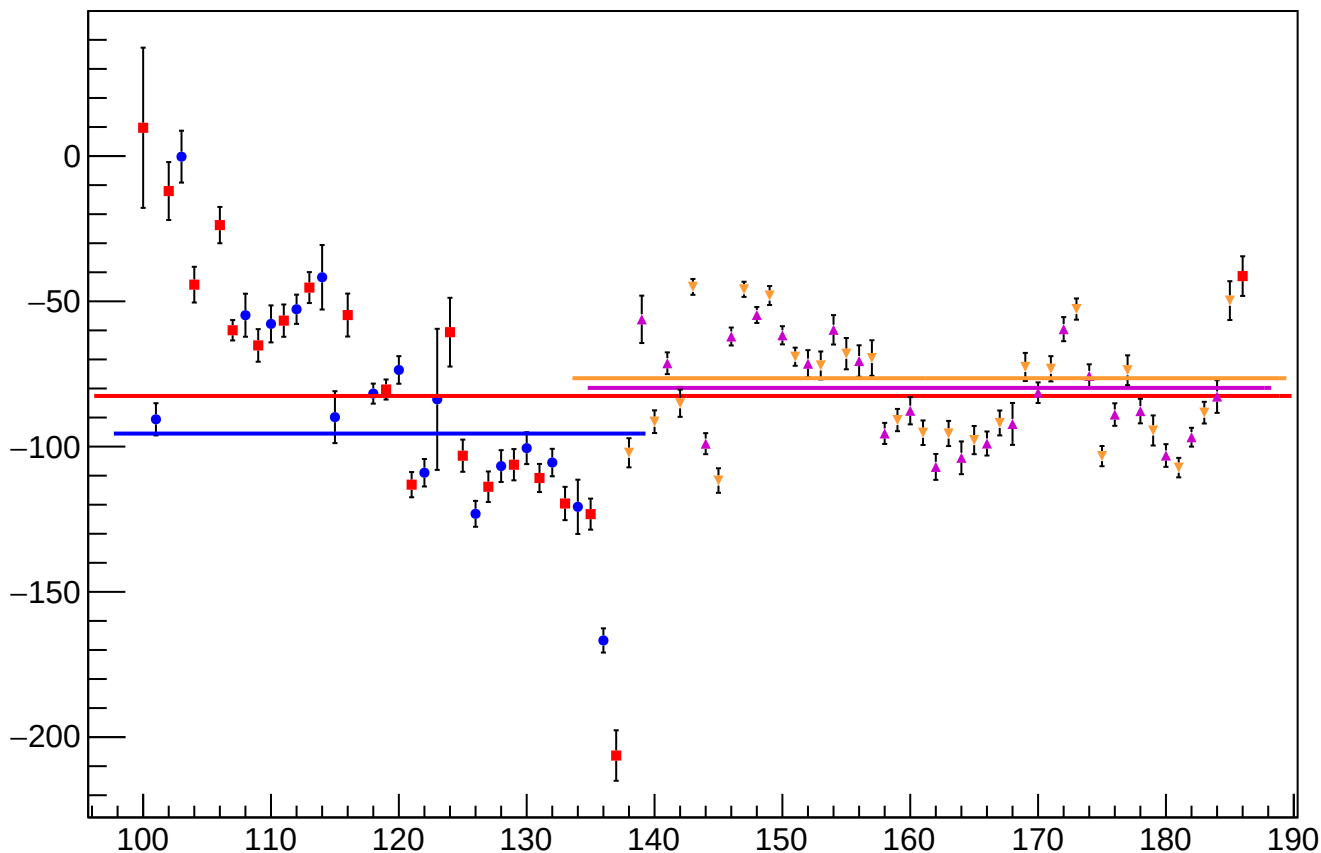
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -212.681 ± 0.846 χ^2/NDF : 4456.0/41

All: -216.666 ± 0.591 χ^2/NDF : 9632.1/84

- sign -220.465 ± 0.826 χ^2/NDF : 5132.8/42

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.515 ± 1.344 χ^2/NDF : 669.2/16

Left Out: -76.460 ± 0.797 χ^2/NDF : 781.3/24

Right Out: -82.567 ± 1.238 χ^2/NDF : 819.3/19

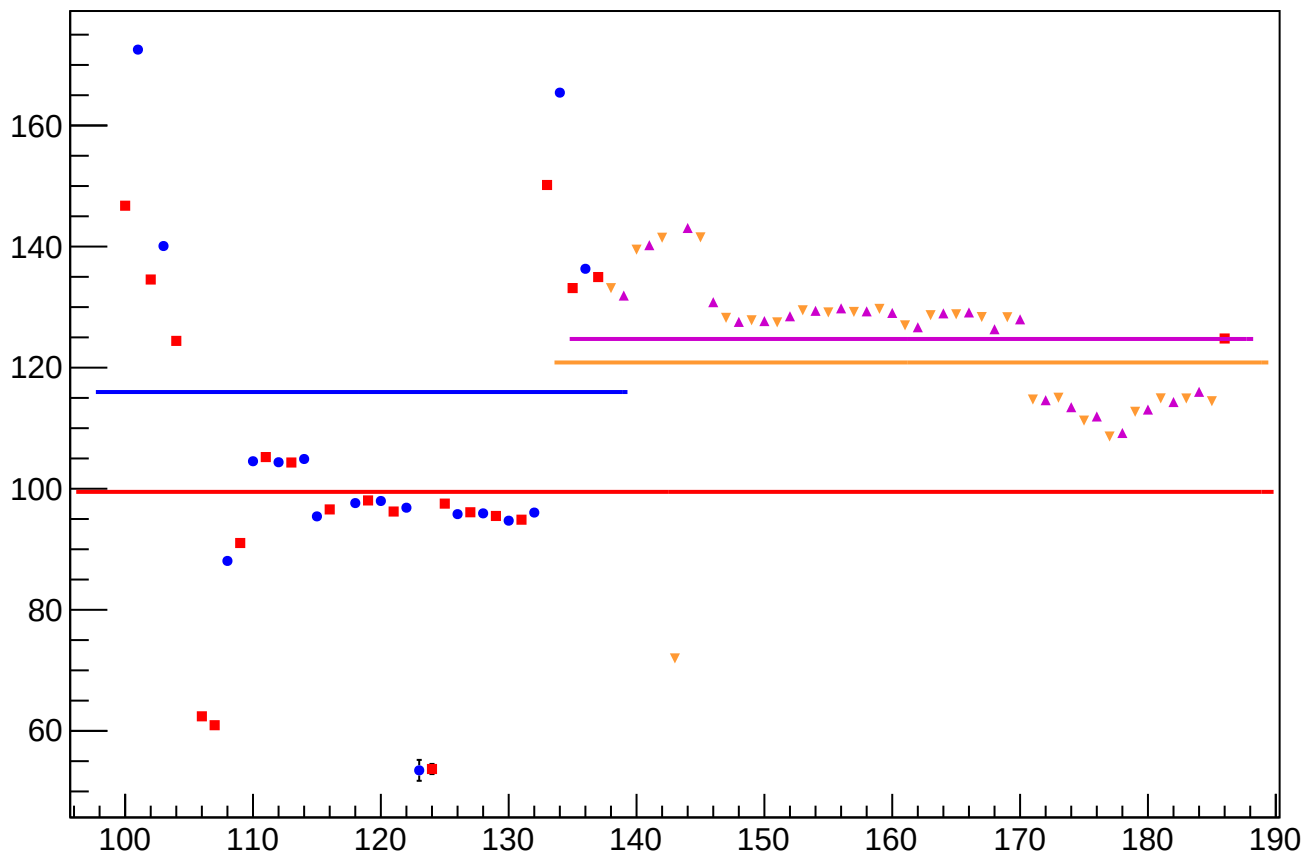
Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

+ sign -81.416 ± 0.685 χ^2/NDF : 1599.4/41

All: -81.047 ± 0.488 χ^2/NDF : 2835.0/84

- sign -80.667 ± 0.695 χ^2/NDF : 1235.0/42

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.974 $\pm$ 0.079 χ^2/NDF : 105656.7/16

Left Out: 120.855 $\pm$ 0.038 χ^2/NDF :182759.1/24

Right Out: 99.482 $\pm$ 0.068 χ^2/NDF : 175727.6/19

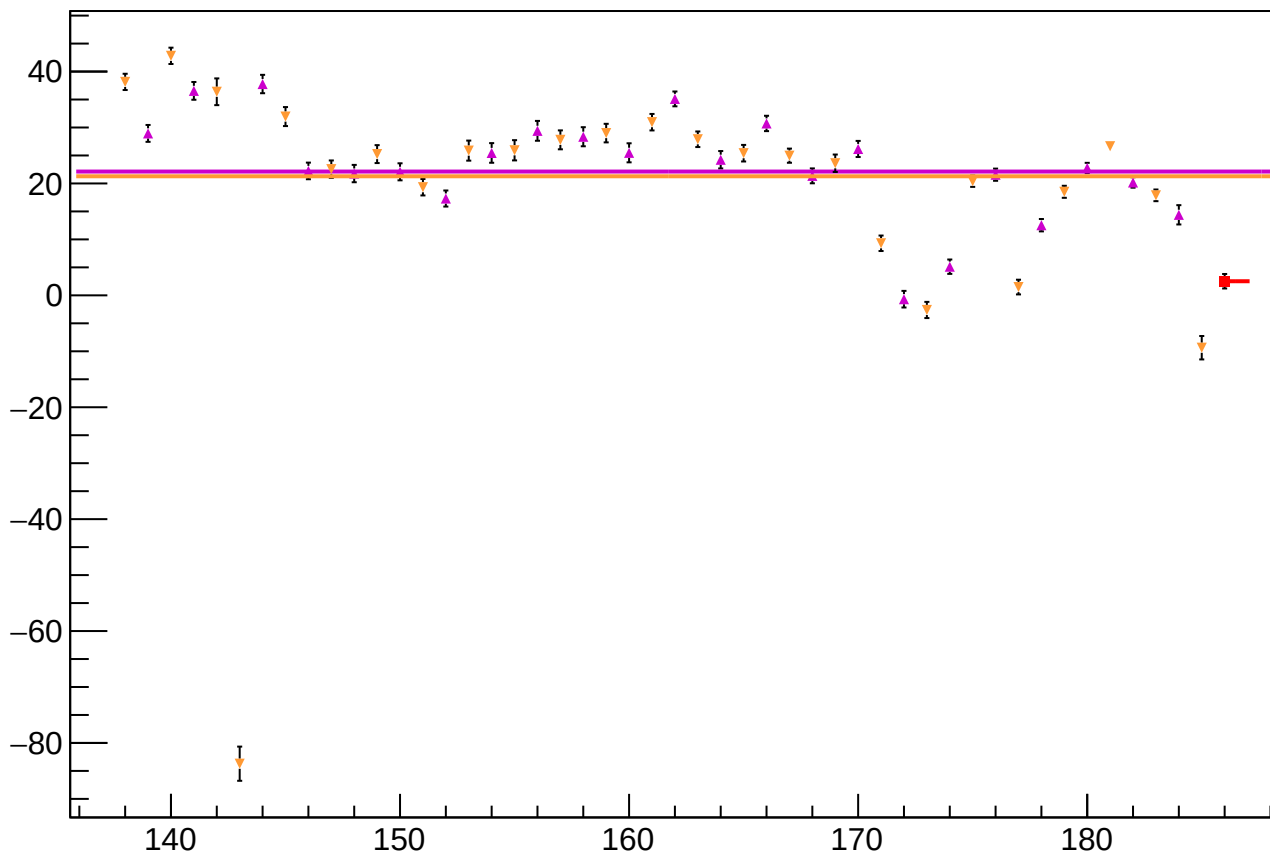
Left In: 124.738 $\pm$ 0.039 χ^2/NDF :51298.3/22

+ sign 119.927 $\pm$ 0.034 χ^2/NDF : 291544.7/41

All: 119.167 $\pm$ 0.024 χ^2/NDF : 623141.1/84

- sign 118.419 $\pm$ 0.034 χ^2/NDF : 330619.7/42

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF:2600.5/24

Right Out: 2.522 $\pm$ 1.295 χ^2 /NDF: 0.0/0

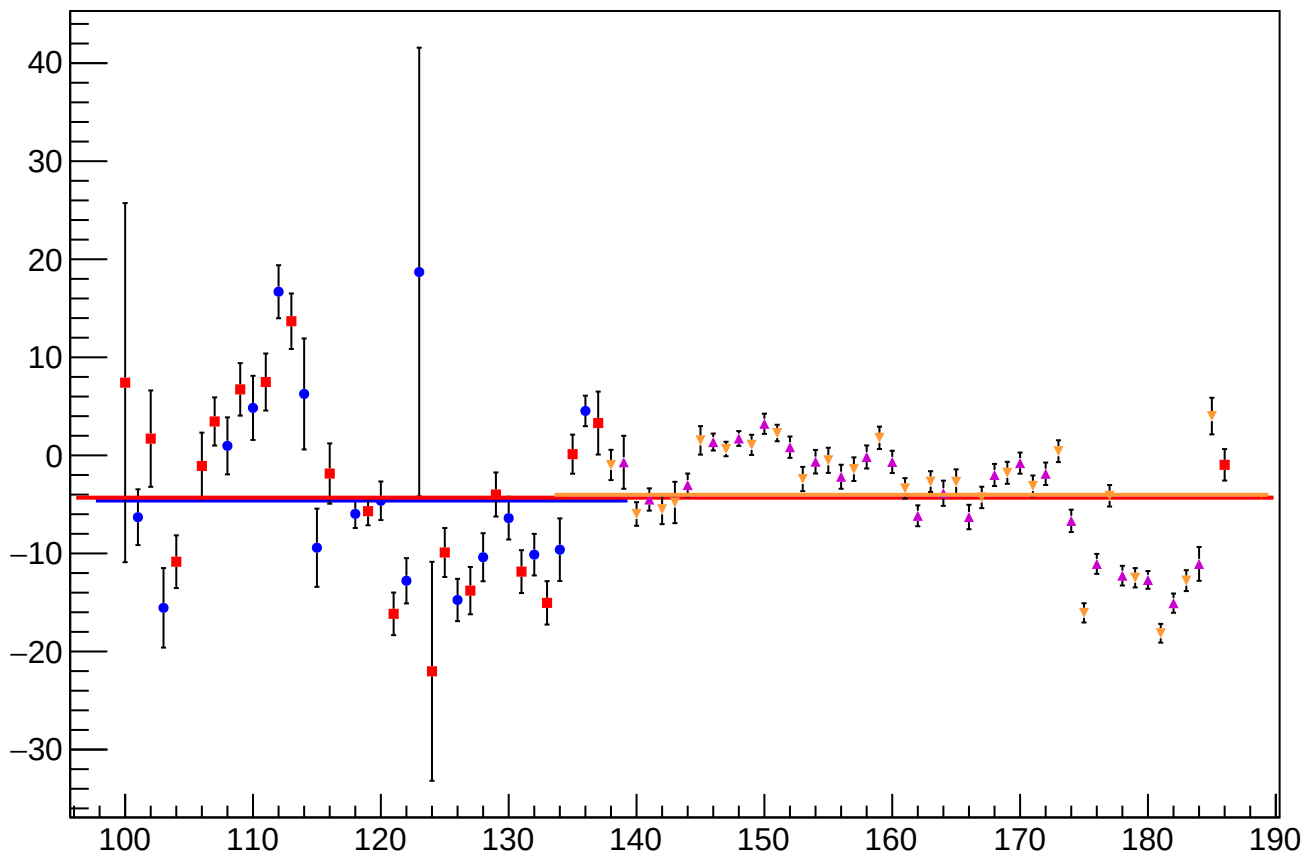
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF:900.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 21.249 $\pm$ 0.198 χ^2 /NDF: 3719.3/48

- sign 21.218 $\pm$ 0.279 χ^2 /NDF: 1118.8/23

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.606 ± 0.589 χ^2/NDF : 173.4/16

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -4.313 ± 0.550 χ^2/NDF : 197.2/19

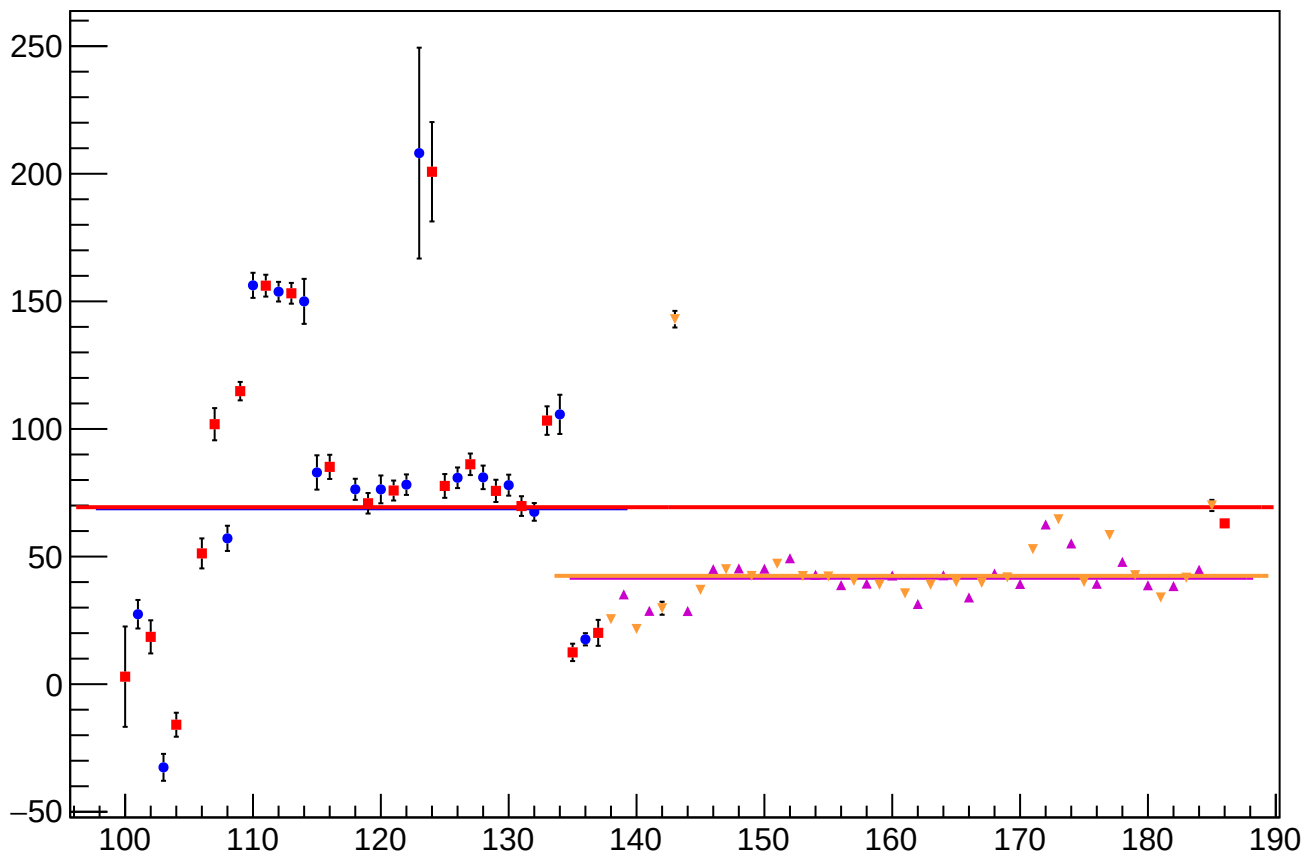
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -4.095 ± 0.209 χ^2/NDF : 908.4/41

All: -4.096 ± 0.148 χ^2/NDF : 1683.0/84

- sign -4.096 ± 0.211 χ^2/NDF : 774.6/42

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 68.921 ± 1.086 χ^2/NDF : 1844.0/16

Left Out: 42.452 ± 0.282 χ^2/NDF : 2016.0/24

Right Out: 69.346 ± 0.746 χ^2/NDF : 1958.4/19

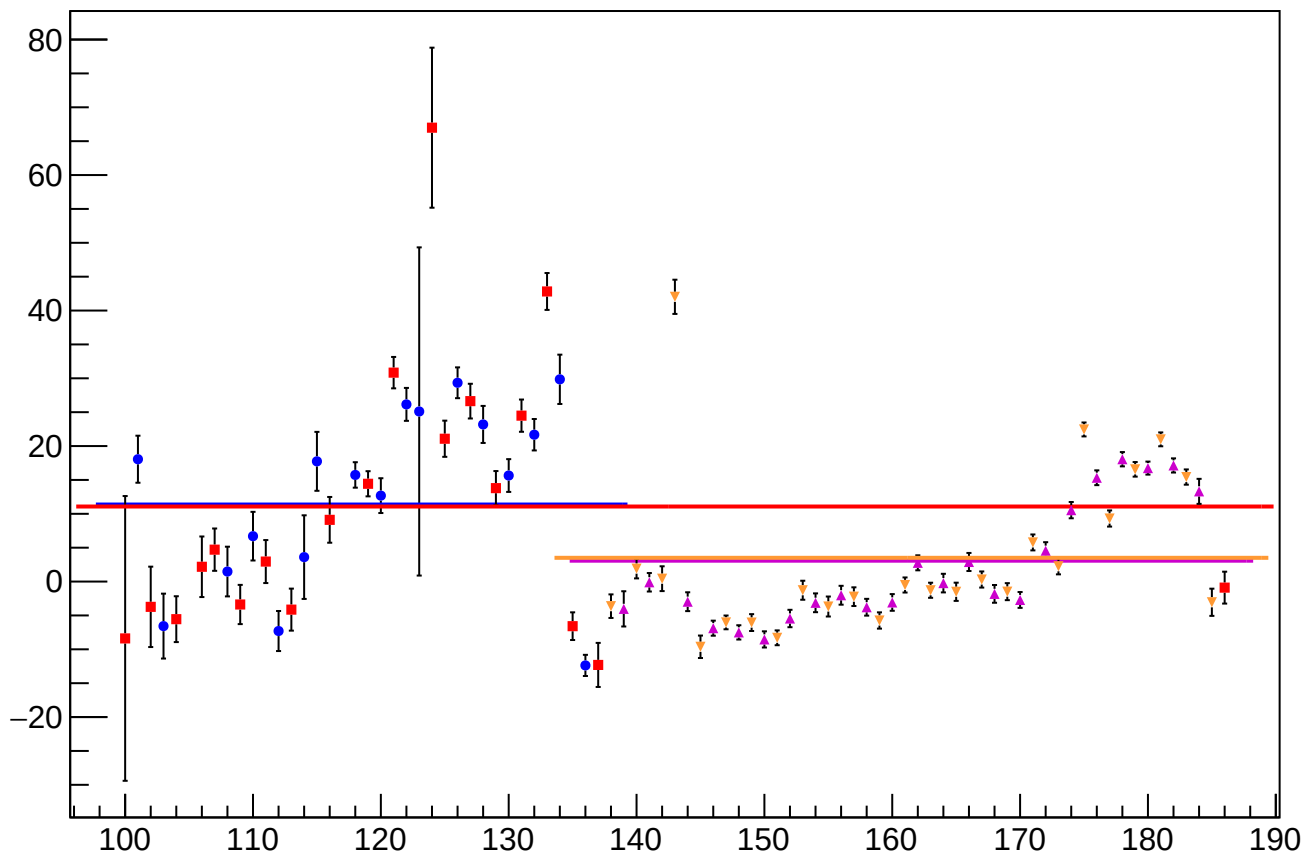
Left In: 41.695 ± 0.284 χ^2/NDF : 630.2/22

+ sign 44.124 ± 0.273 χ^2/NDF : 4416.7/41

All: 44.675 ± 0.190 χ^2/NDF : 8212.8/84

- sign 45.197 ± 0.266 χ^2/NDF : 3788.1/42

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.369 $\pm$ 0.667 χ^2 /NDF: 474.4/16

Left Out: 3.505 $\pm$ 0.252 χ^2 /NDF: 1691.3/24

Right Out: 11.077 $\pm$ 0.640 χ^2 /NDF: 565.7/19

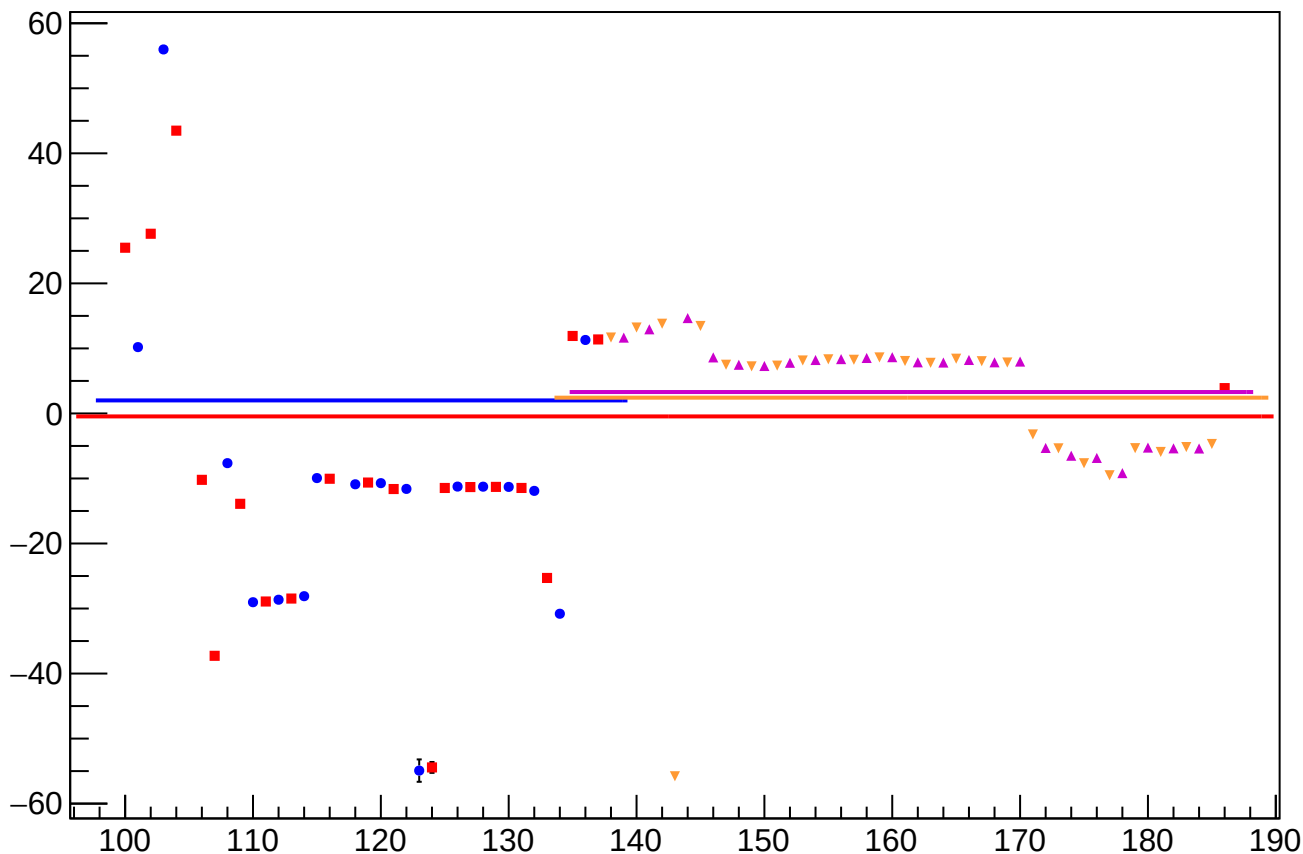
Left In: 3.081 $\pm$ 0.257 χ^2 /NDF: 1265.7/22

+ sign 4.490 $\pm$ 0.236 χ^2 /NDF: 2287.3/41

All: 4.342 $\pm$ 0.168 χ^2 /NDF: 4253.8/84

- sign 4.191 $\pm$ 0.238 χ^2 /NDF: 1965.8/42

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.002 ± 0.037 χ^2/NDF : 357872.4/16

Left Out: 2.425 ± 0.012 χ^2/NDF : 616382.5/24

Right Out: -0.459 ± 0.036 χ^2/NDF : 361683.1/19

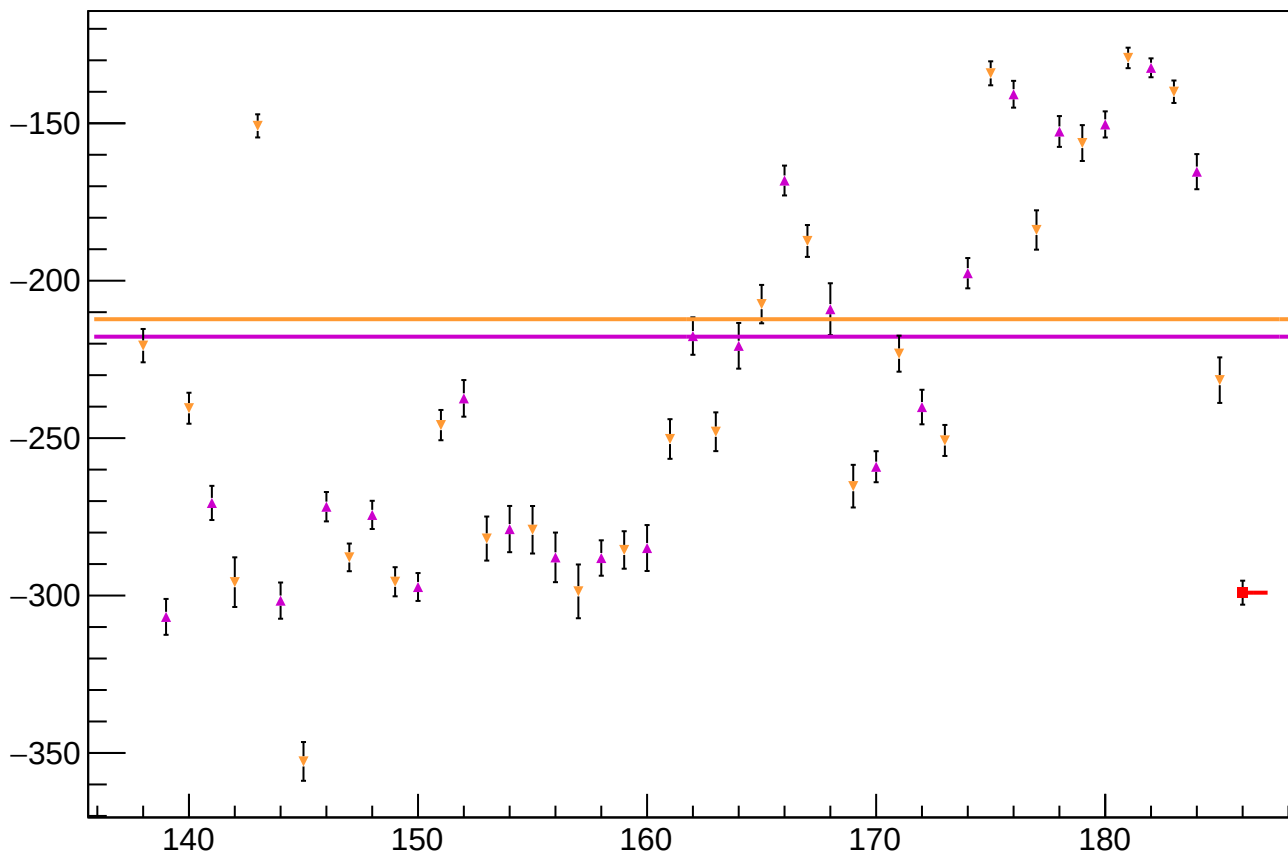
Left In: 3.293 ± 0.012 χ^2/NDF : 404323.8/22

+ sign 2.388 ± 0.011 χ^2/NDF : 974372.7/41

All: 2.663 ± 0.008 χ^2/NDF : 1751327.4/84

- sign 2.941 ± 0.011 χ^2/NDF : 775705.5/42

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -212.231 $\pm$ 1.029 χ^2 /NDF:3875.4/24

Right Out: -299.089 $\pm$ 3.810 χ^2 /NDF: 0.0/0

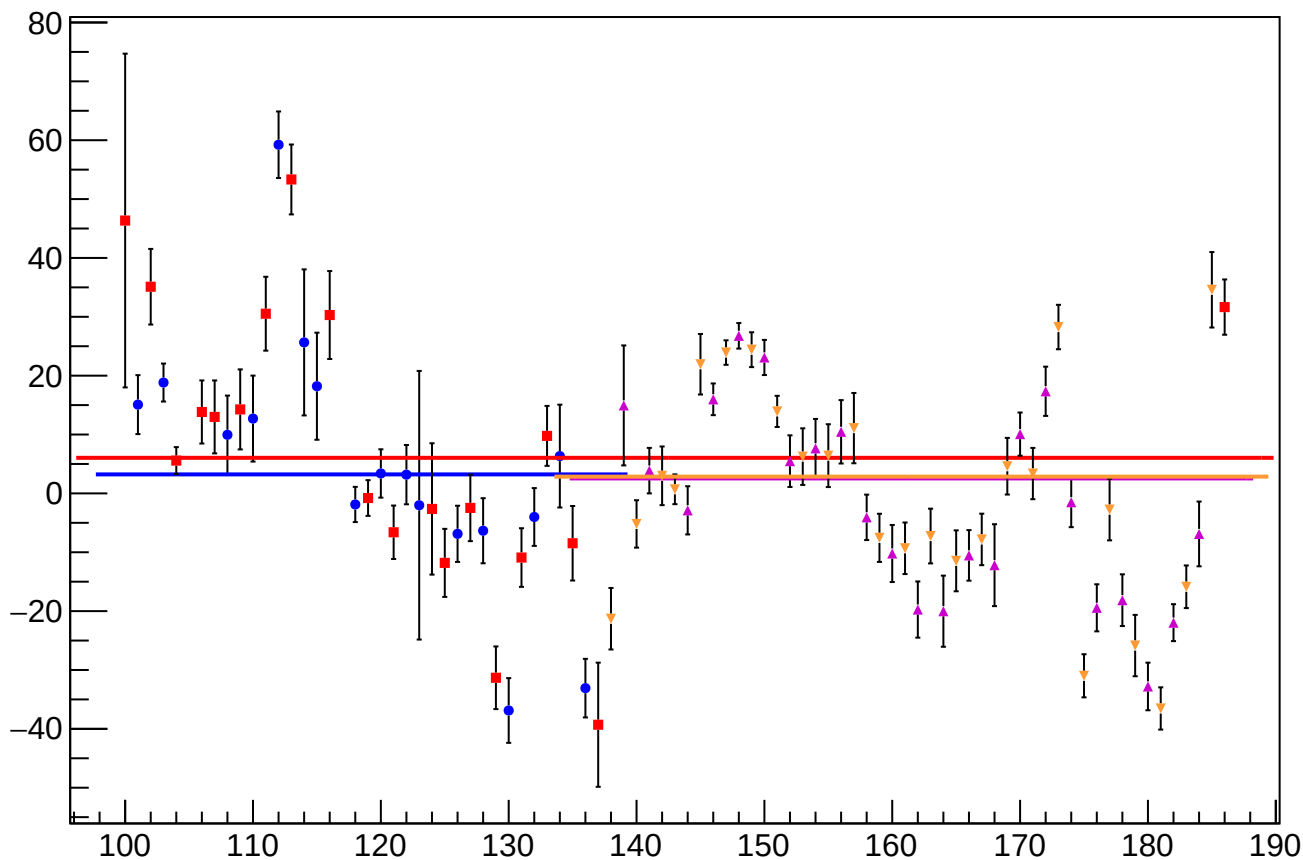
Left In: -217.779 $\pm$ 1.067 χ^2 /NDF:3448.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -217.973 $\pm$ 0.727 χ^2 /NDF: 7808.7/48

- sign -223.690 $\pm$ 1.027 χ^2 /NDF: 3871.3/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.227 ± 1.246 χ^2/NDF : 255.1/16

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 6.044 ± 1.125 χ^2/NDF : 256.7/19

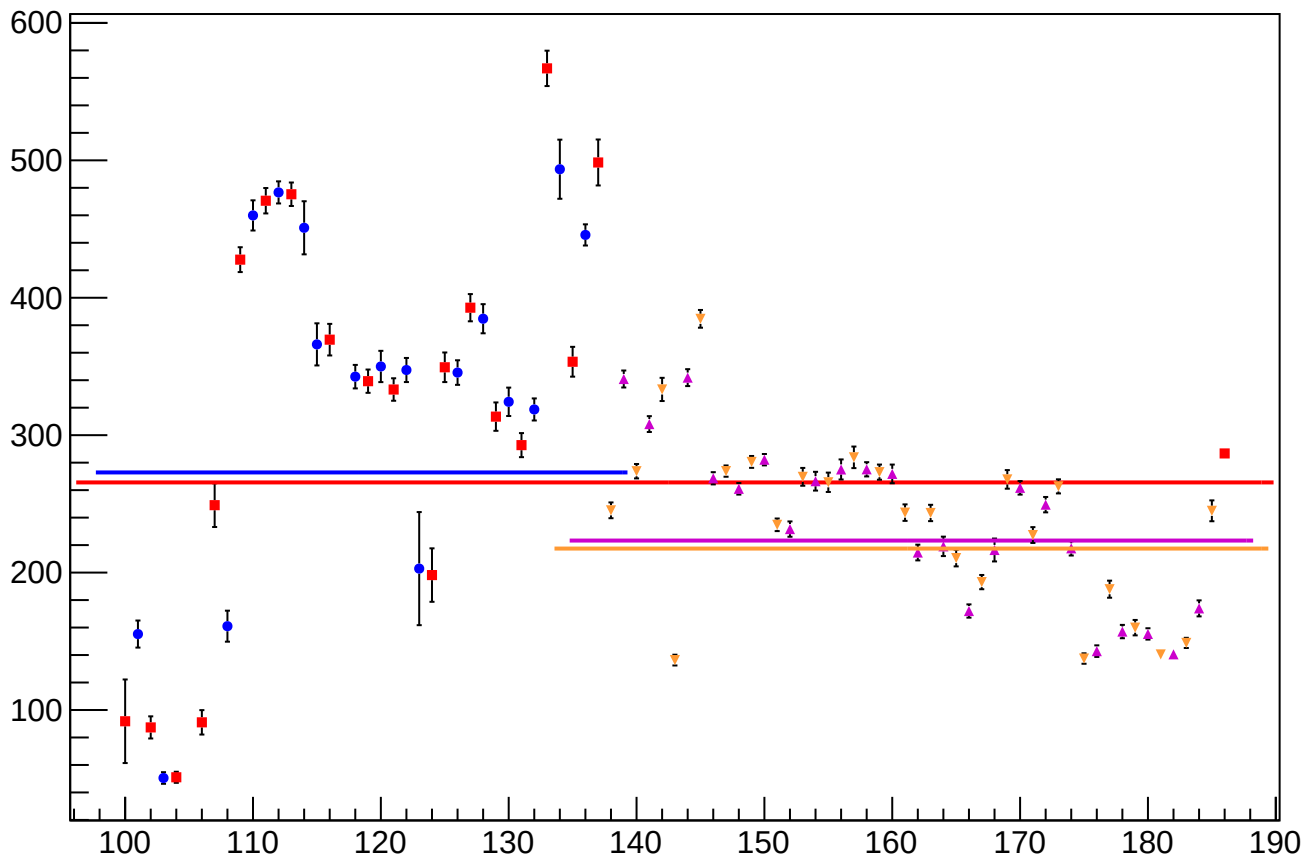
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 2.953 ± 0.658 χ^2/NDF : 837.3/41

All: 3.354 ± 0.467 χ^2/NDF : 1574.7/84

- sign 3.761 ± 0.664 χ^2/NDF : 736.6/42

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 272.880 ± 2.208 $\chi^2/\text{NDF}: 5091.5/16$

Left Out: 217.484 ± 1.032 $\chi^2/\text{NDF}: 3769.5/24$

Right Out: 265.609 ± 1.718 $\chi^2/\text{NDF}: 6503.9/19$

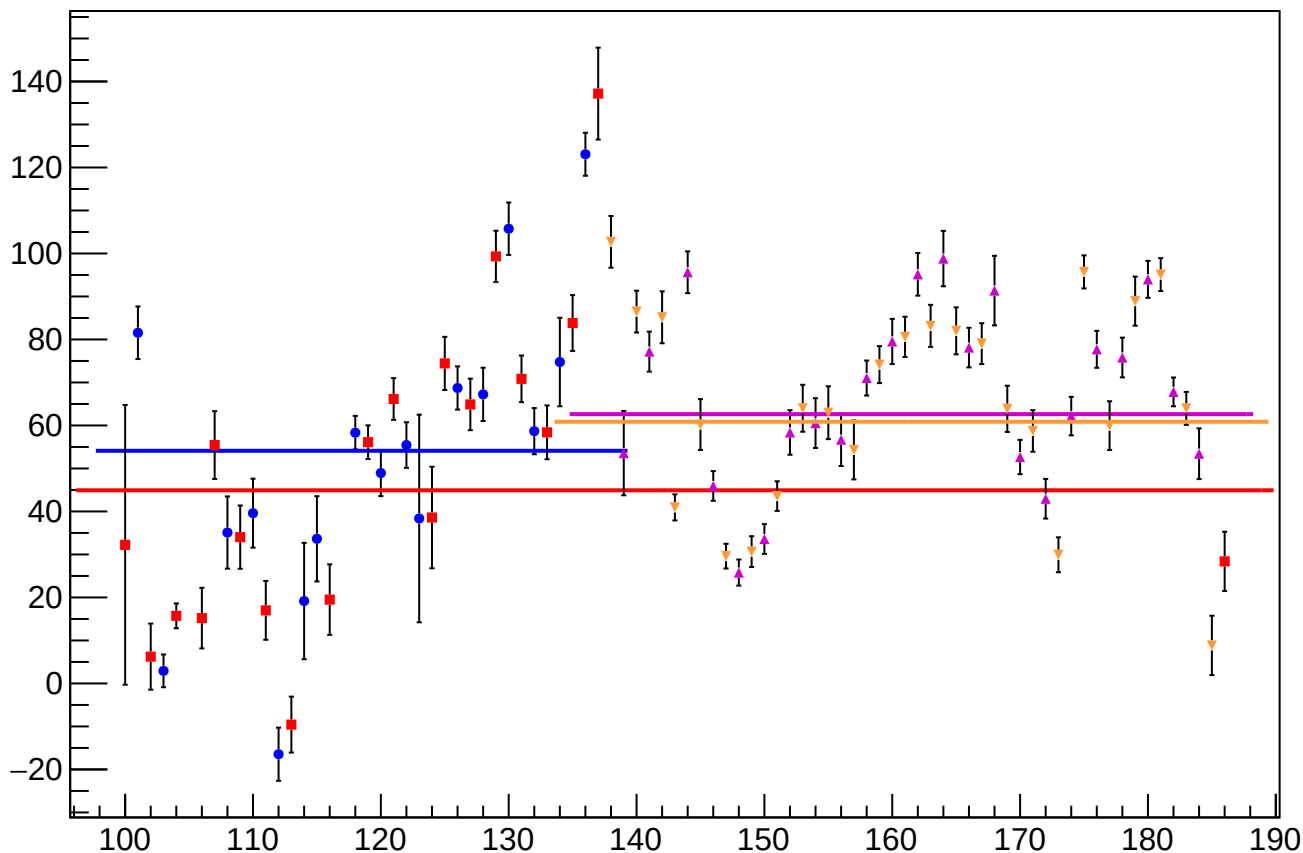
Left In: 223.309 ± 1.062 $\chi^2/\text{NDF}: 3378.0/22$

+ sign 227.419 ± 0.935 $\chi^2/\text{NDF}: 9377.4/41$

All: 231.342 ± 0.650 $\chi^2/\text{NDF}: 19731.9/84$

- sign 235.001 ± 0.903 $\chi^2/\text{NDF}: 10320.5/42$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.110 $\pm$ 1.441 χ^2 /NDF: 633.3/16

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 44.924 $\pm$ 1.333 χ^2 /NDF: 534.2/19

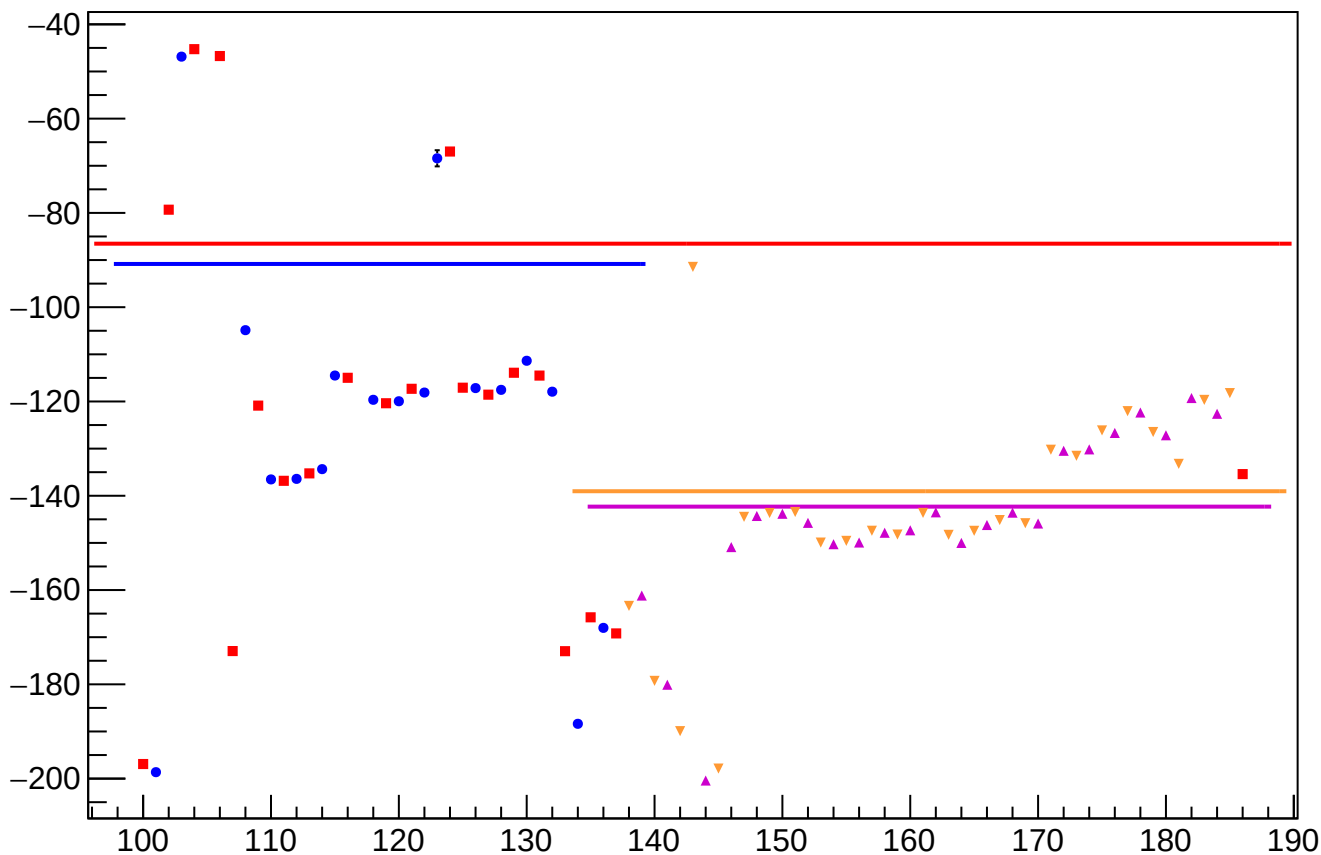
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 58.978 $\pm$ 0.761 χ^2 /NDF: 1380.8/41

All: 57.869 $\pm$ 0.541 χ^2 /NDF: 2552.3/84

- sign 56.736 $\pm$ 0.770 χ^2 /NDF: 1167.3/42

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.830 +/- 0.068 χ^2/NDF : 533047.0/16

Left Out: -139.040 +/- 0.043 χ^2/NDF : 258113.4/24

Right Out: -86.528 +/- 0.065 χ^2/NDF : 503812.6/19

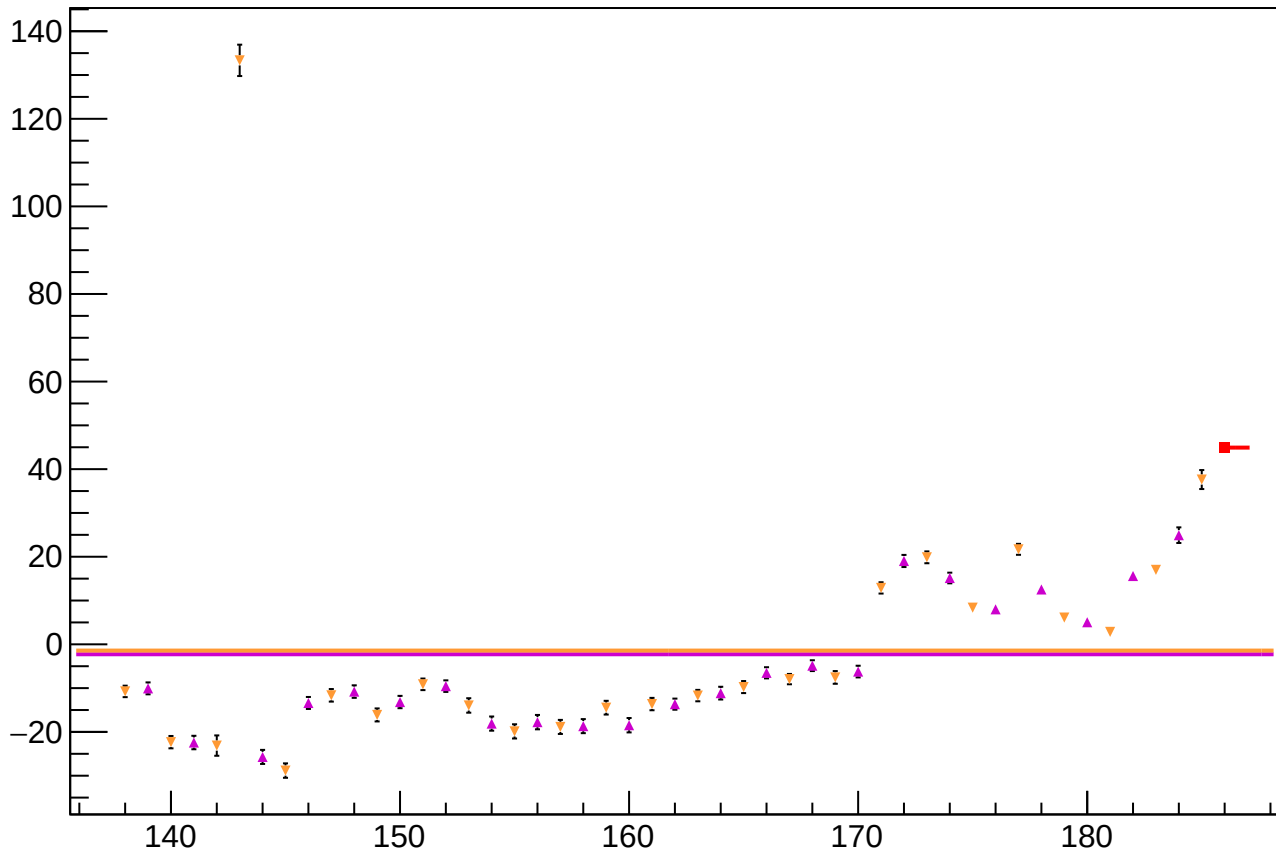
Left In: -142.305 +/- 0.044 χ^2/NDF : 143351.8/22

+ sign -125.273 +/- 0.036 χ^2/NDF : 1152305.2/41

All: -124.922 +/- 0.026 χ^2/NDF : 2308897.9/84

- sign -124.567 +/- 0.036 χ^2/NDF : 1156403.7/42

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1.427+/-0.268 χ^2/NDF : 4339.0/24

Right Out: 44.920+/-0.865 χ^2/NDF : 0.0/0

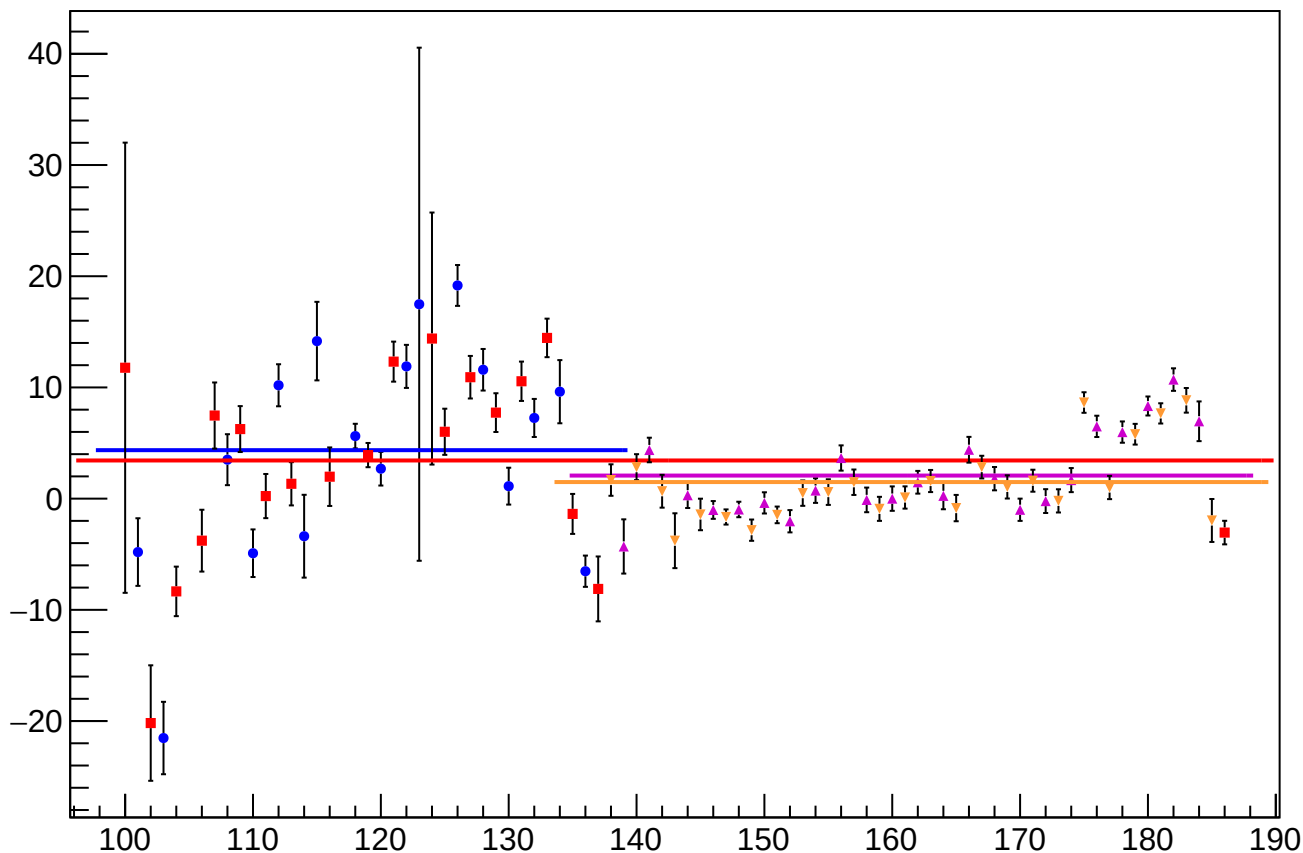
Left In: -2.270+/-0.271 χ^2/NDF : 2521.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.317+/-0.186 χ^2/NDF : 9655.0/48

- sign 1.943+/-0.258 χ^2/NDF : 5233.9/23

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.358 $\pm$ 0.472 χ^2/NDF : 280.7/16

Left Out: 1.491 $\pm$ 0.210 χ^2/NDF :259.1/24

Right Out: 3.432 $\pm$ 0.433 χ^2/NDF : 228.7/19

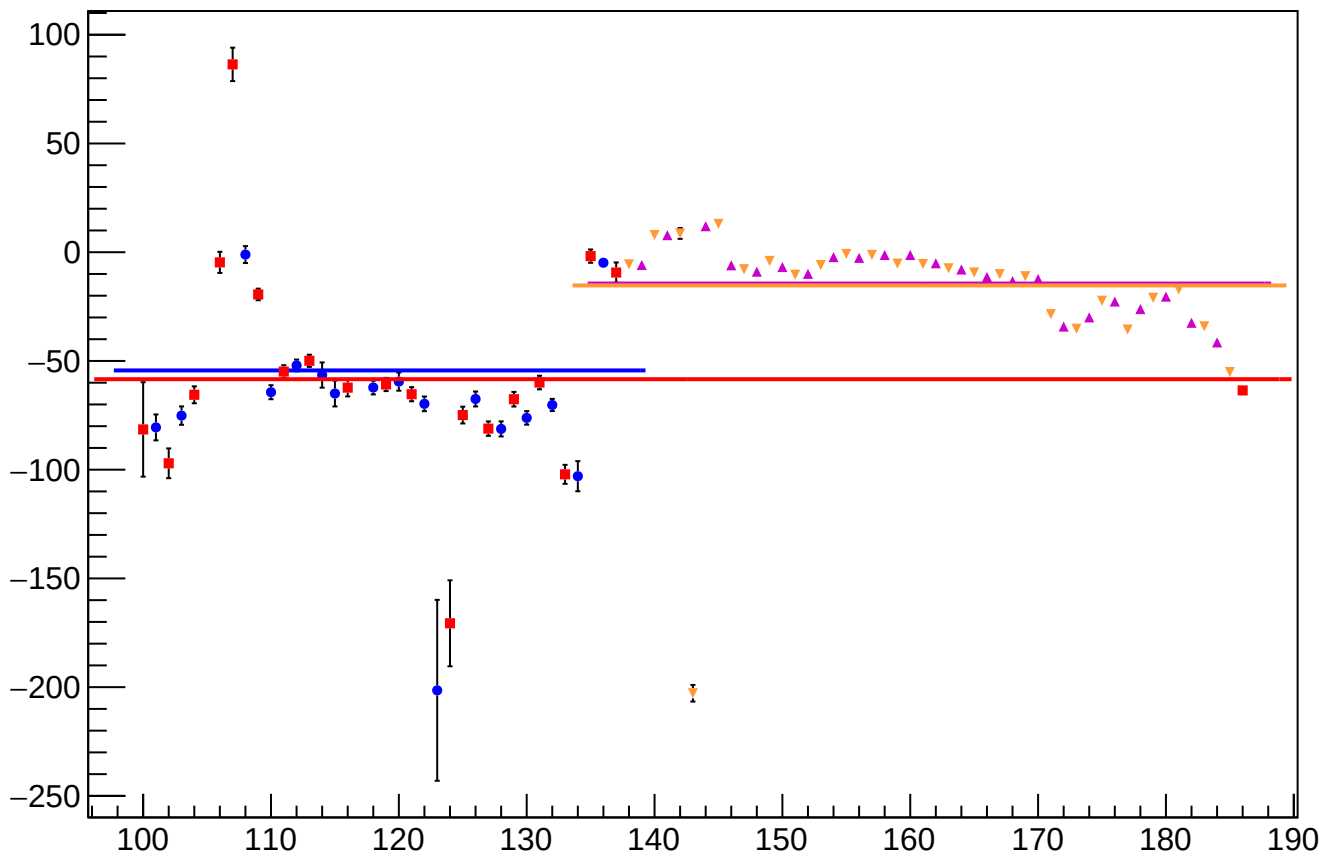
Left In: 2.075 $\pm$ 0.215 χ^2/NDF :274.6/22

+ sign 1.966 $\pm$ 0.192 χ^2/NDF : 570.6/41

All: 2.154 $\pm$ 0.136 χ^2/NDF : 1083.7/84

- sign 2.344 $\pm$ 0.193 χ^2/NDF : 511.2/42

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.358 ± 0.870 $\chi^2/\text{NDF}: 1014.3/16$

Left Out: -15.279 ± 0.267 $\chi^2/\text{NDF}: 4820.1/24$

Right Out: -58.390 ± 0.539 $\chi^2/\text{NDF}: 1458.4/19$

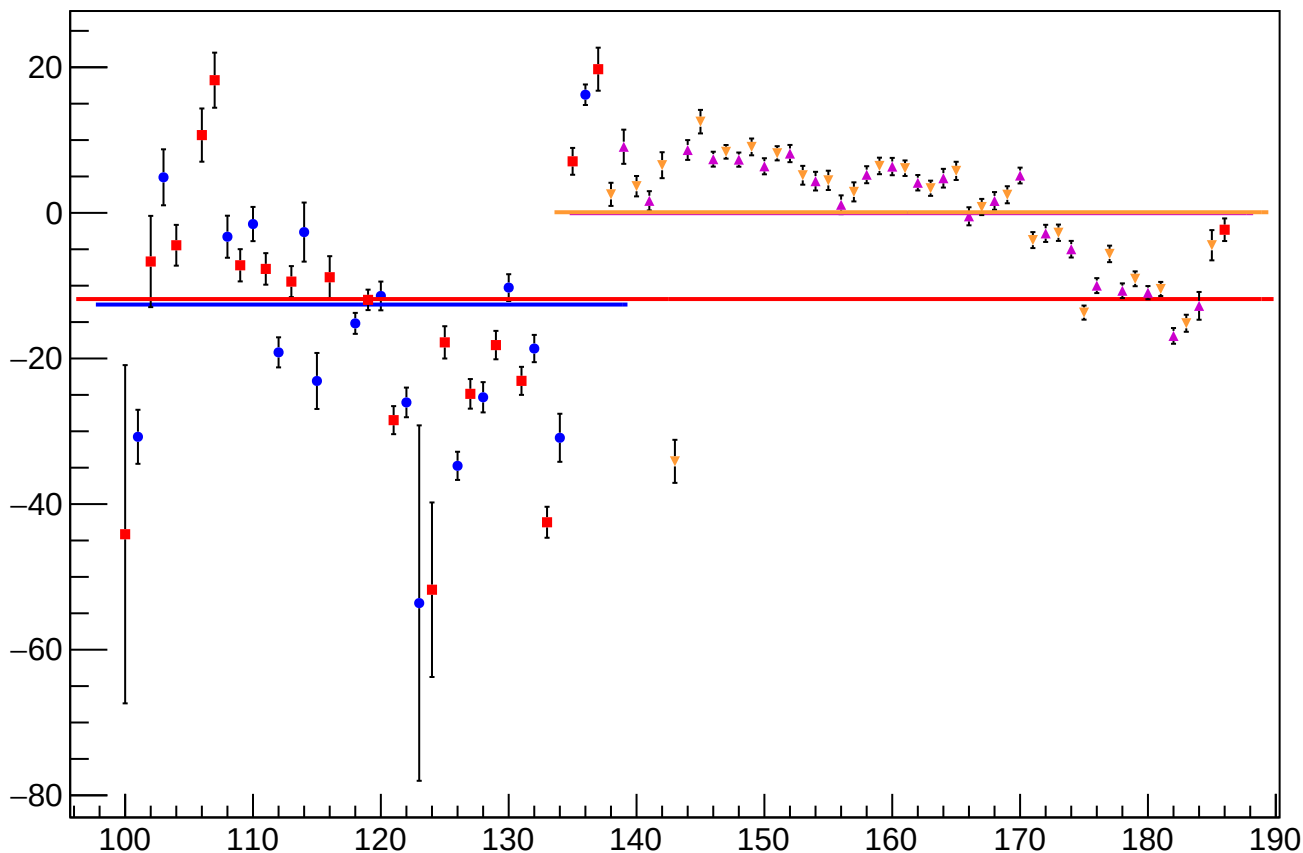
Left In: -14.406 ± 0.269 $\chi^2/\text{NDF}: 2032.4/22$

+ sign -18.637 ± 0.255 $\chi^2/\text{NDF}: 7677.6/41$

All: -21.044 ± 0.175 $\chi^2/\text{NDF}: 16671.7/84$

- sign -23.189 ± 0.241 $\chi^2/\text{NDF}: 8825.6/42$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.592 ± 0.538 χ^2/NDF : 779.7/16

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -11.837 ± 0.509 χ^2/NDF : 763.9/19

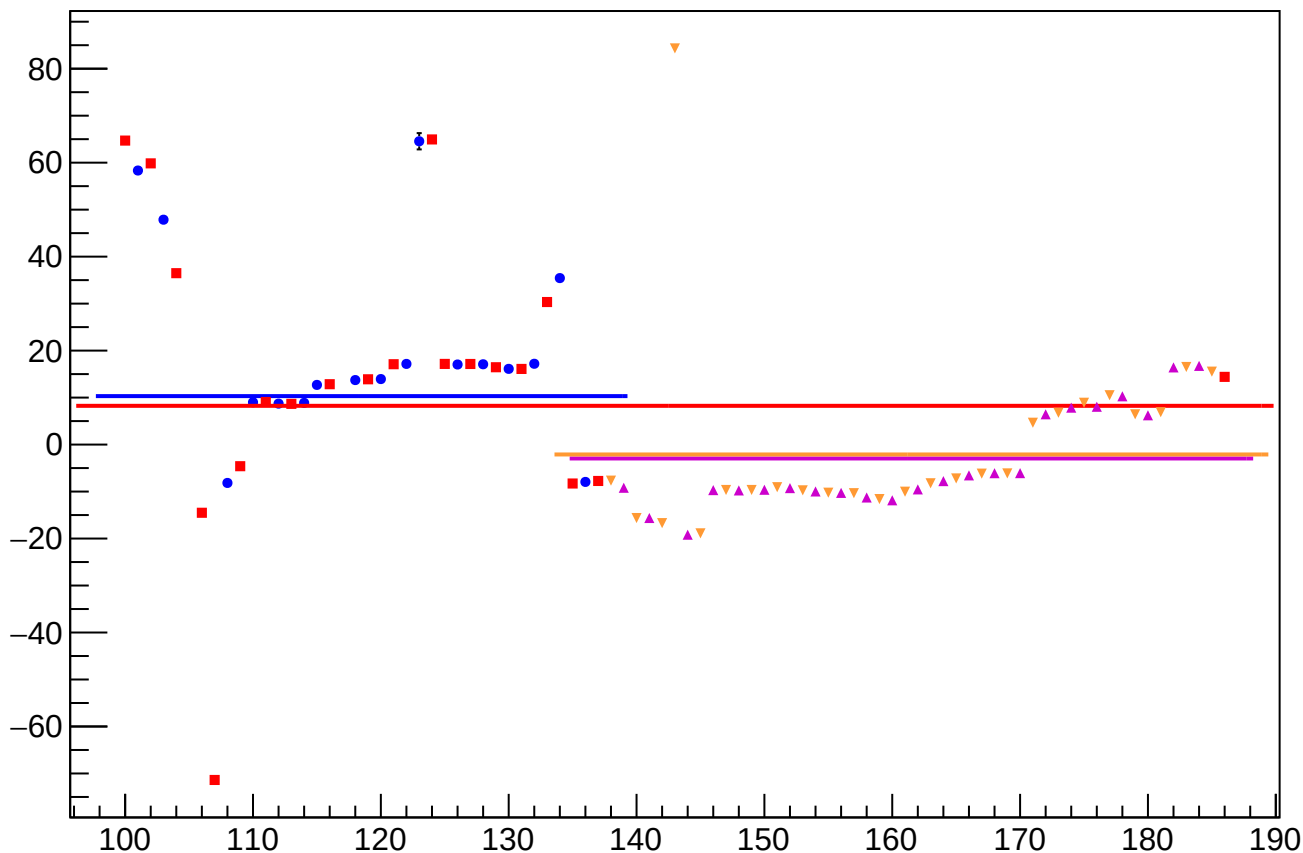
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.994 ± 0.218 χ^2/NDF : 2417.0/41

All: -2.114 ± 0.155 χ^2/NDF : 4647.0/84

- sign -2.235 ± 0.219 χ^2/NDF : 2229.4/42

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.315+/-0.031 χ^2/NDF : 380737.7/16

Left Out: -2.105+/-0.011 χ^2/NDF : 1093120.2/24

Right Out: 8.248+/-0.030 χ^2/NDF : 547179.2/19

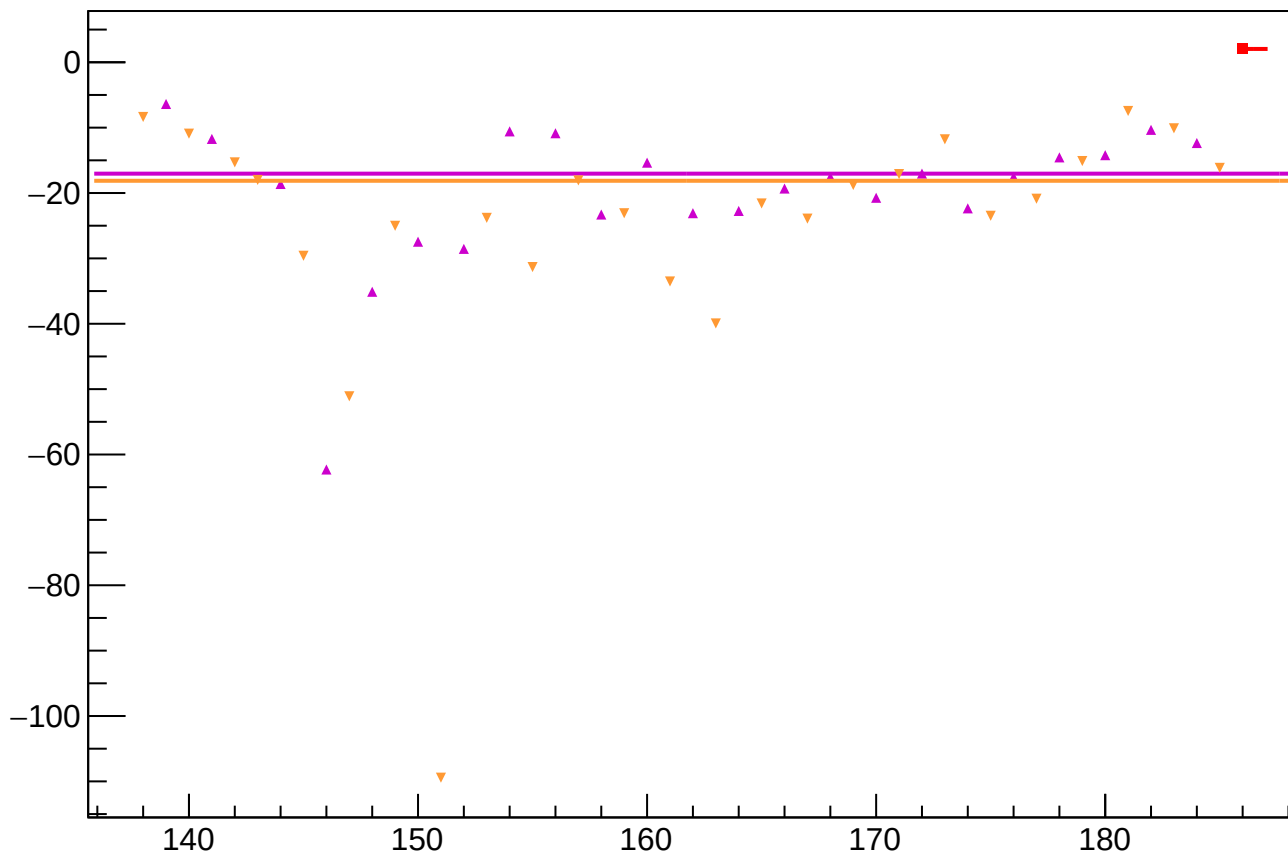
Left In: -2.959+/-0.011 χ^2/NDF : 763000.9/22

+ sign -0.711+/-0.010 χ^2/NDF : 1618939.0/41

All: -1.176+/-0.007 χ^2/NDF : 3054925.6/84

- sign -1.644+/-0.010 χ^2/NDF : 1431894.9/42

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.128+/-0.039 χ^2/NDF : 88551.6/24

Right Out: 2.038+/-0.194 χ^2/NDF : 0.0/0

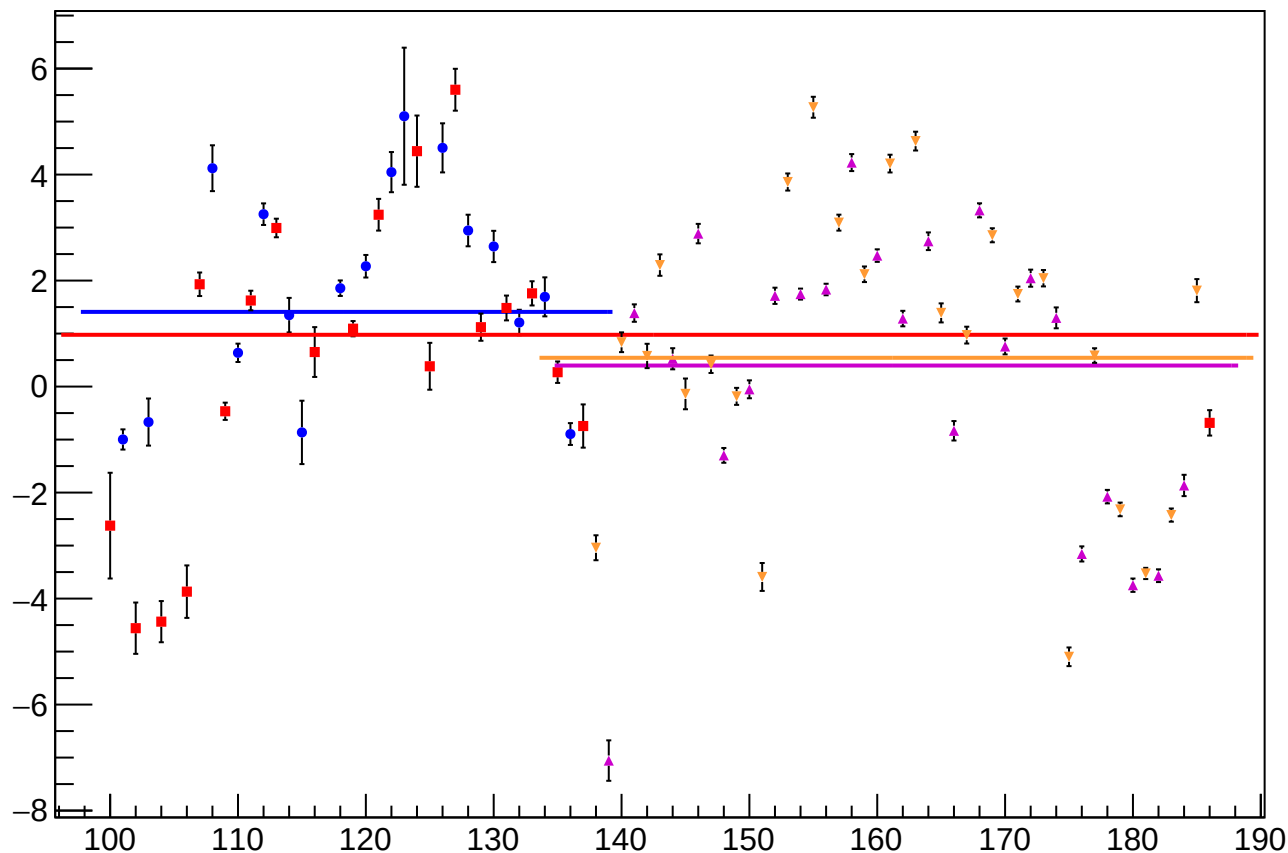
Left In: -17.038+/-0.038 χ^2/NDF : 44141.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.195+/-0.027 χ^2/NDF : 143071.2/48

- sign -16.331+/-0.037 χ^2/NDF : 53412.4/23

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.409 $\pm$ 0.062 χ^2/NDF : 634.6/16

Left Out: 0.543 $\pm$ 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.977 $\pm$ 0.056 χ^2/NDF : 993.4/19

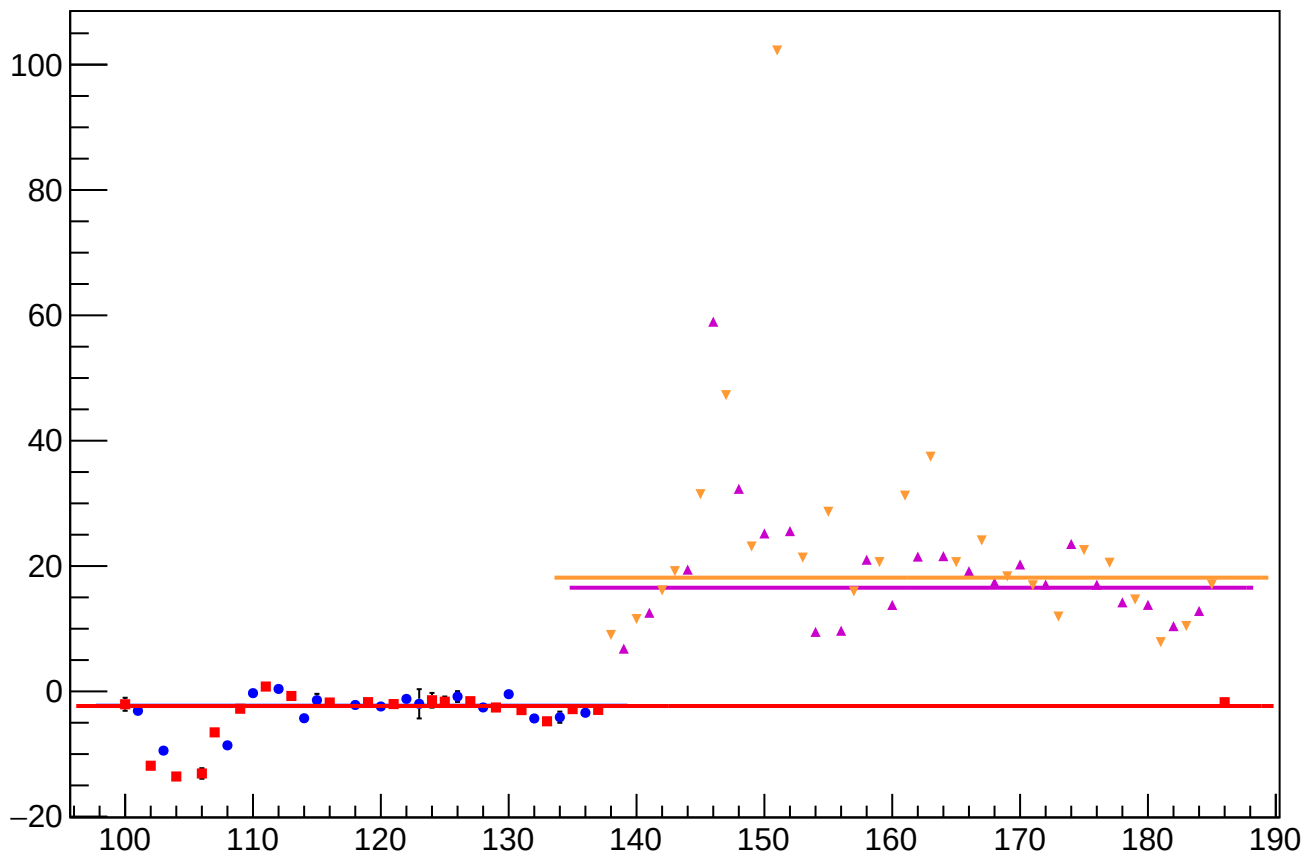
Left In: 0.397 $\pm$ 0.031 χ^2/NDF : 6235.6/22

+ sign 0.728 $\pm$ 0.029 χ^2/NDF : 7872.9/41

All: 0.623 $\pm$ 0.020 χ^2/NDF : 15208.9/84

- sign 0.529 $\pm$ 0.027 χ^2/NDF : 7310.4/42

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.289 ± 0.112 χ^2/NDF : 447.6/16

Left Out: 18.150 ± 0.039 χ^2/NDF : 77847.8/24

Right Out: -2.332 ± 0.083 χ^2/NDF : 913.1/19

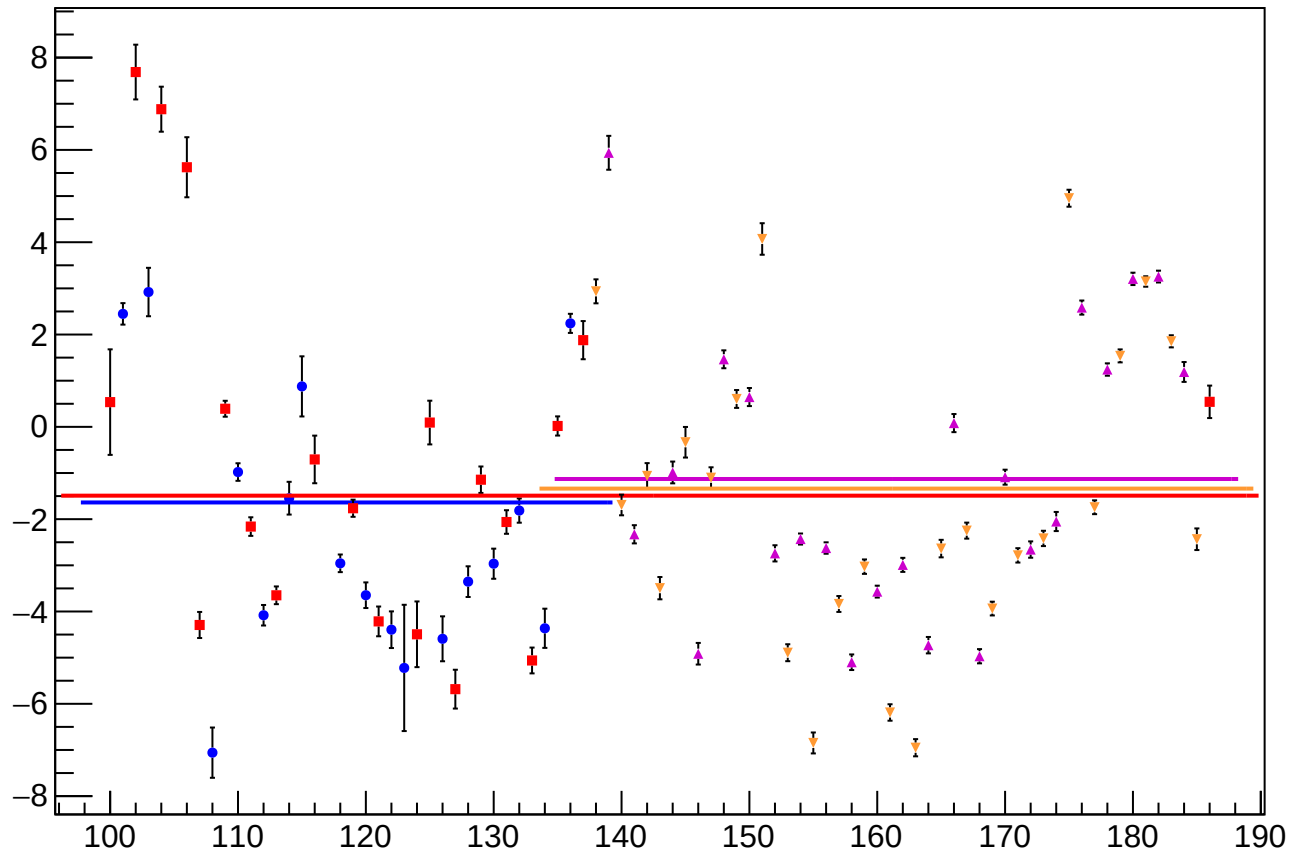
Left In: 16.543 ± 0.038 χ^2/NDF : 40855.0/22

+ sign 15.914 ± 0.037 χ^2/NDF : 108205.1/41

All: 14.535 ± 0.025 χ^2/NDF : 195022.0/84

- sign 13.337 ± 0.034 χ^2/NDF : 84208.0/42

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.638 $\pm$ 0.071 χ^2/NDF : 1258.5/16

Left Out: -1.338 $\pm$ 0.036 χ^2/NDF : 7943.1/24

Right Out: -1.491 $\pm$ 0.065 χ^2/NDF : 1538.4/19

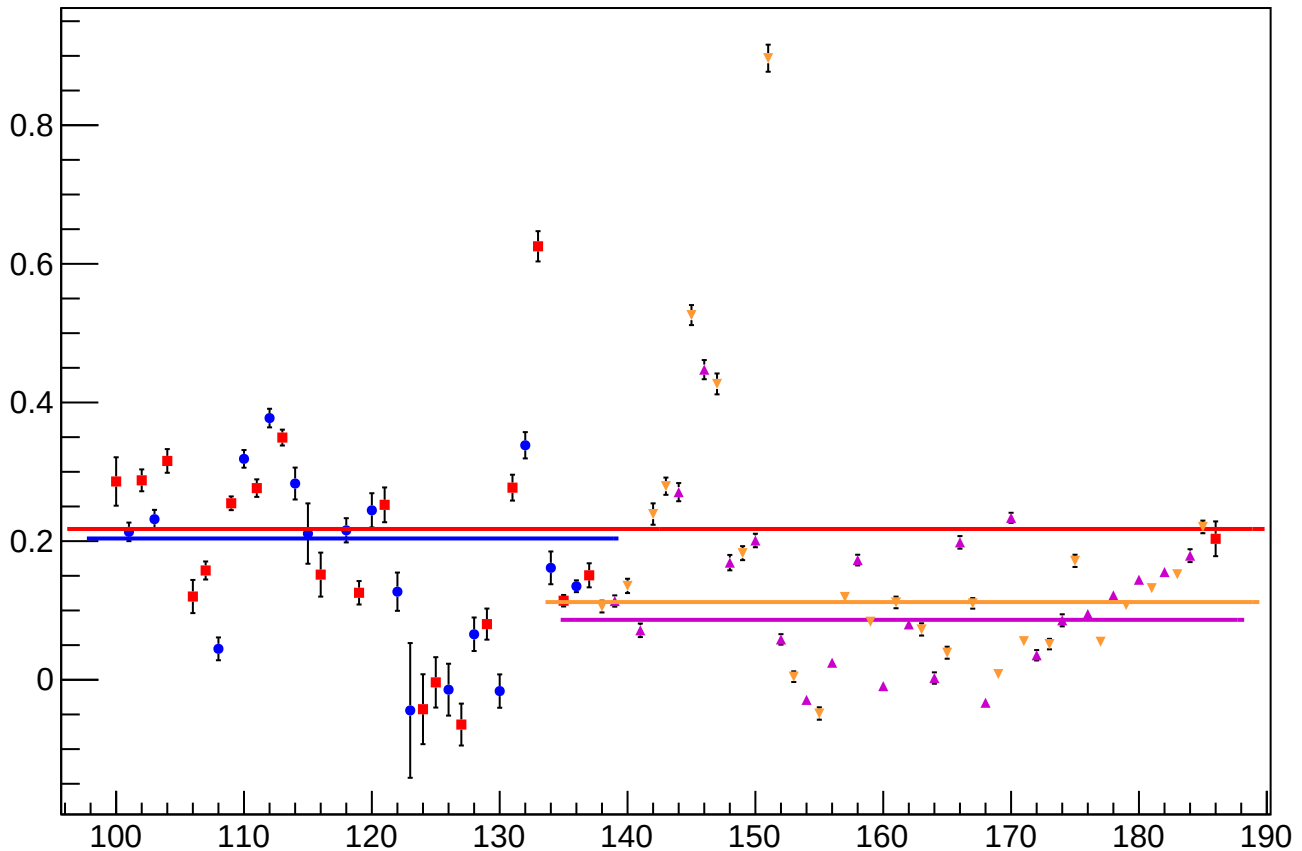
Left In: -1.129 $\pm$ 0.034 χ^2/NDF : 6740.3/22

+ sign -1.398 $\pm$ 0.032 χ^2/NDF : 9215.8/41

All: -1.298 $\pm$ 0.022 χ^2/NDF : 17537.5/84

- sign -1.208 $\pm$ 0.030 χ^2/NDF : 8303.1/42

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.204 ± 0.004 χ^2/NDF : 645.6/16

Left Out: 0.112 ± 0.002 χ^2/NDF : 4503.9/24

Right Out: 0.218 ± 0.004 χ^2/NDF : 1016.4/19

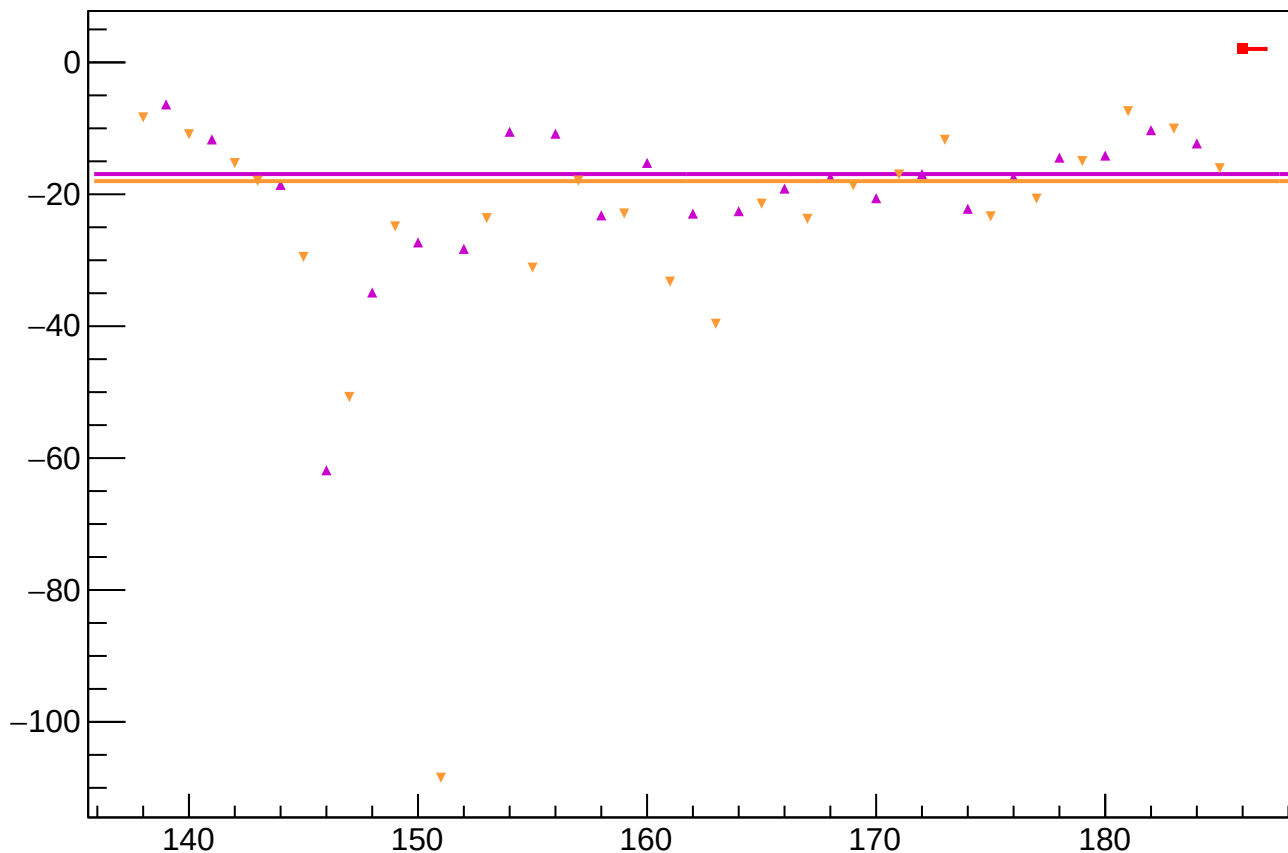
Left In: 0.087 ± 0.002 χ^2/NDF : 3655.4/22

+ sign 0.124 ± 0.001 χ^2/NDF : 5572.7/41

All: 0.114 ± 0.001 χ^2/NDF : 11425.7/84

- sign 0.105 ± 0.001 χ^2/NDF : 5770.1/42

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.005+/-0.039 χ^2/NDF : 88391.0/24

Right Out: 2.041+/-0.192 χ^2/NDF : 0.0/0

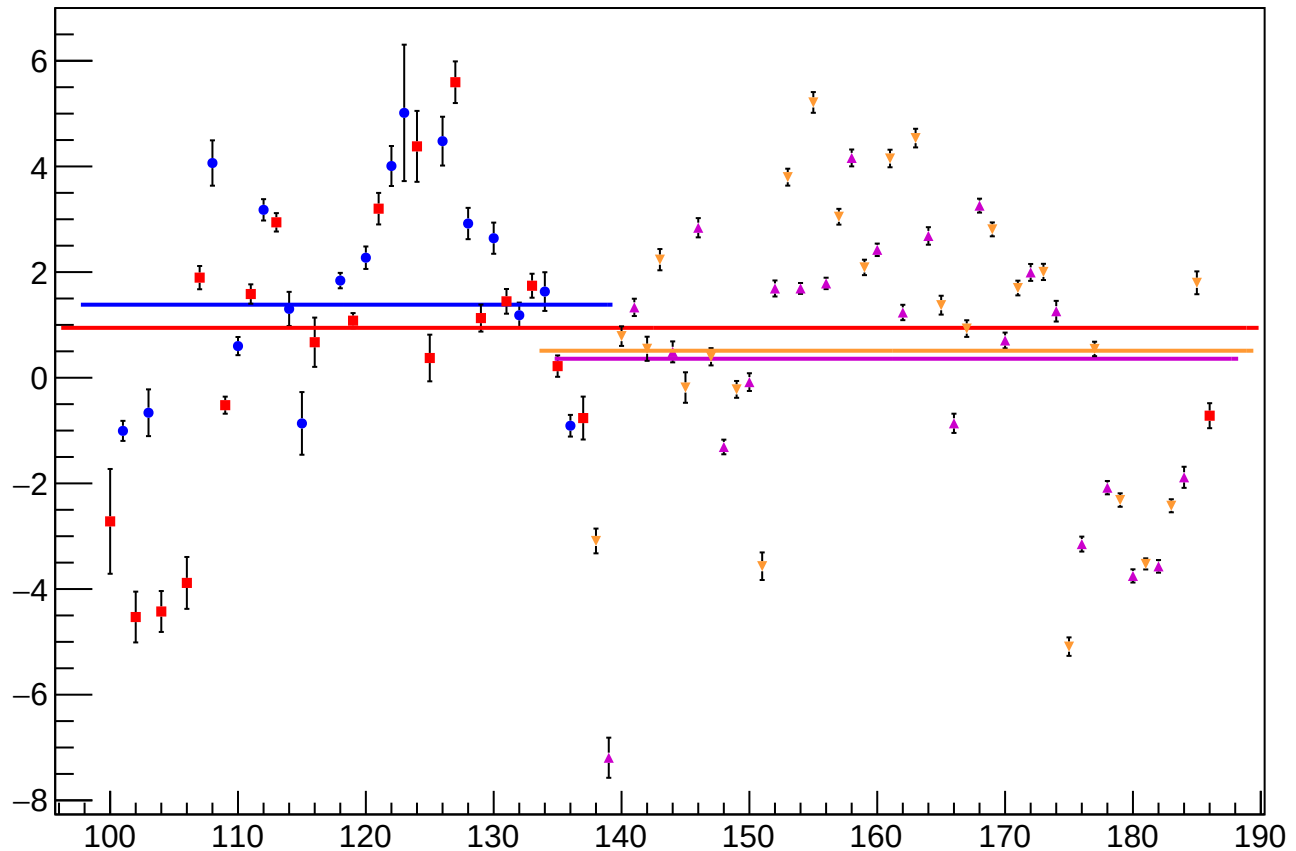
Left In: -16.934+/-0.038 χ^2/NDF : 44060.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.079+/-0.027 χ^2/NDF : 142973.9/48

- sign -16.221+/-0.037 χ^2/NDF : 53476.5/23

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.383 ± 0.062 χ^2/NDF : 632.3/16

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.945 ± 0.056 χ^2/NDF : 999.4/19

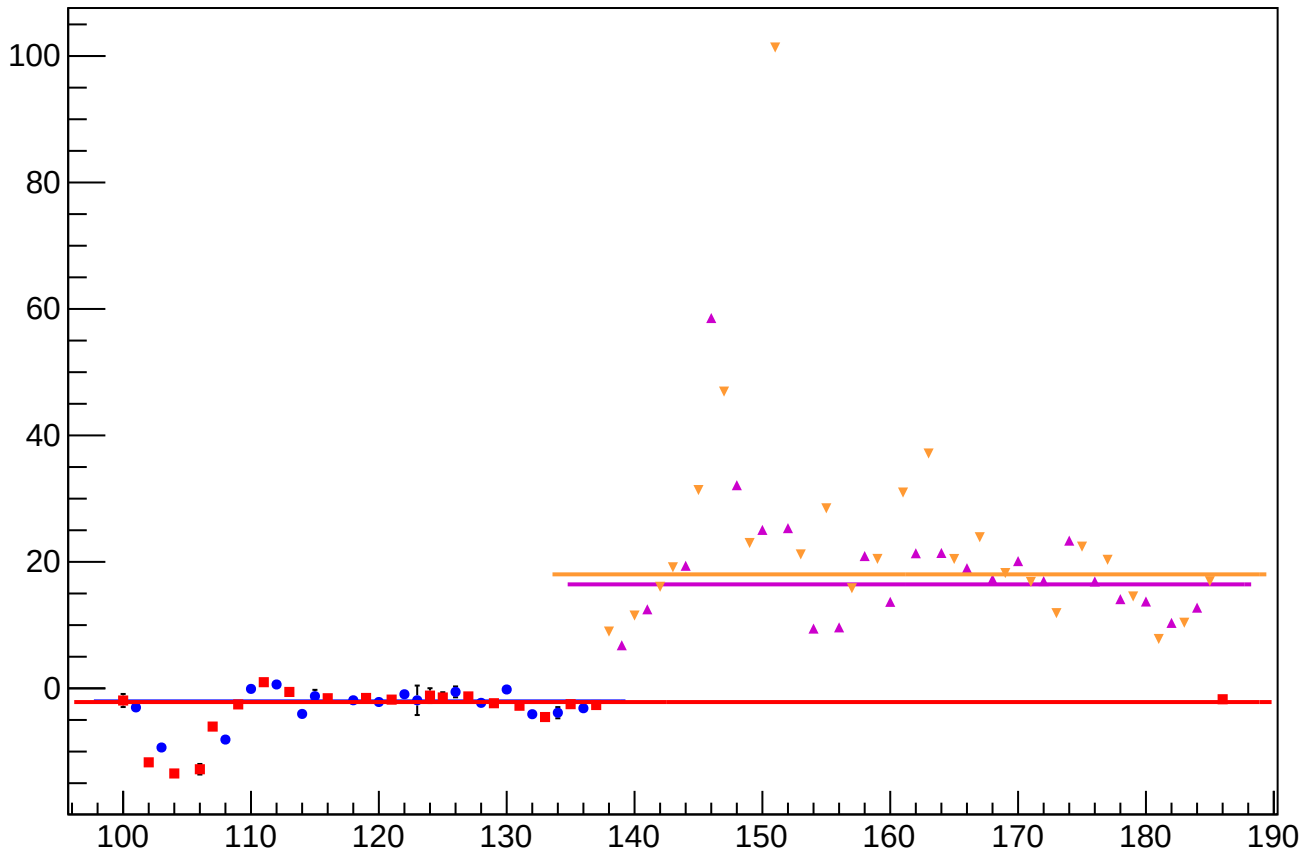
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.697 ± 0.029 χ^2/NDF : 7859.2/41

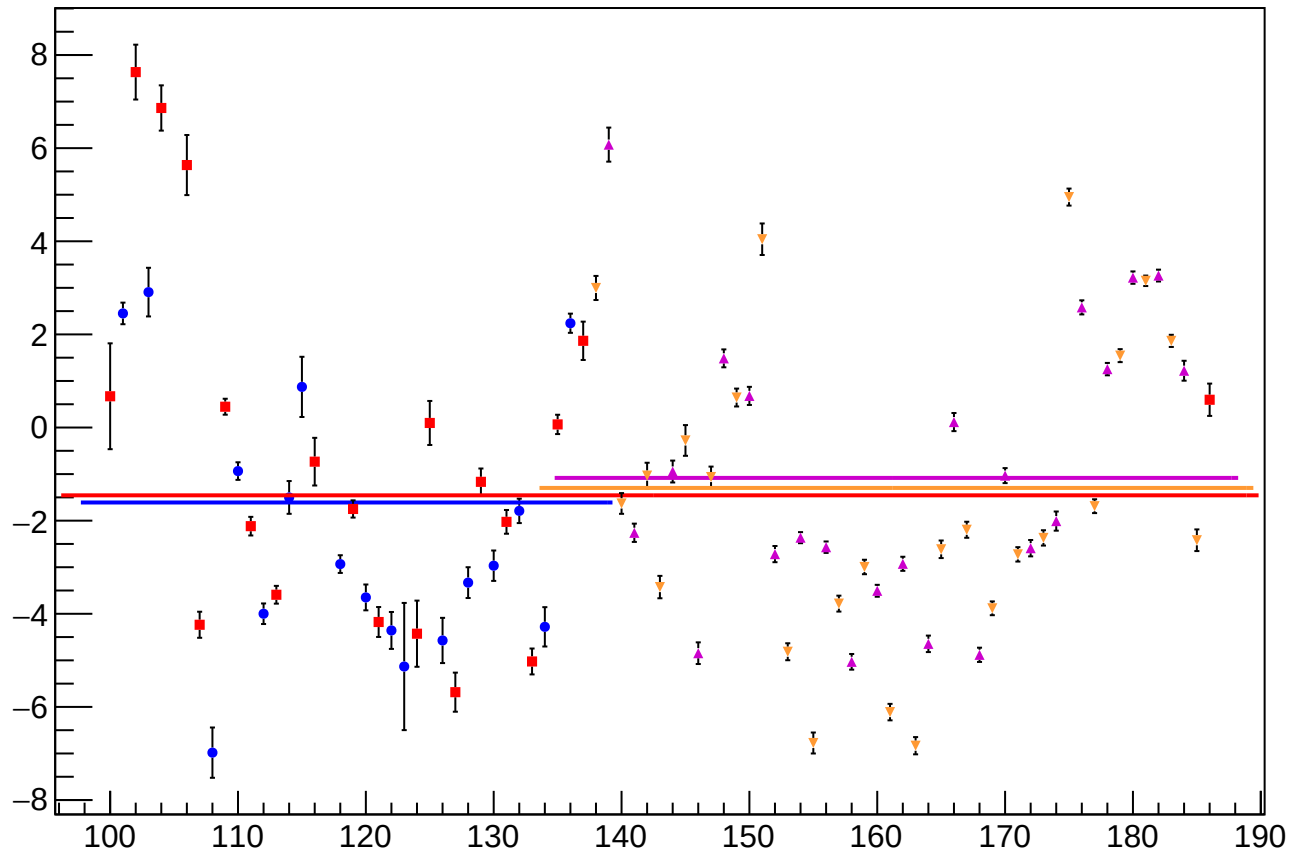
All: 0.589 ± 0.020 χ^2/NDF : 15190.7/84

- sign 0.493 ± 0.027 χ^2/NDF : 7304.3/42

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.610 $\pm$ 0.071 χ^2/NDF : 1253.3/16

Left Out: -1.297 $\pm$ 0.036 χ^2/NDF : 7925.1/24

Right Out: -1.456 $\pm$ 0.064 χ^2/NDF : 1544.1/19

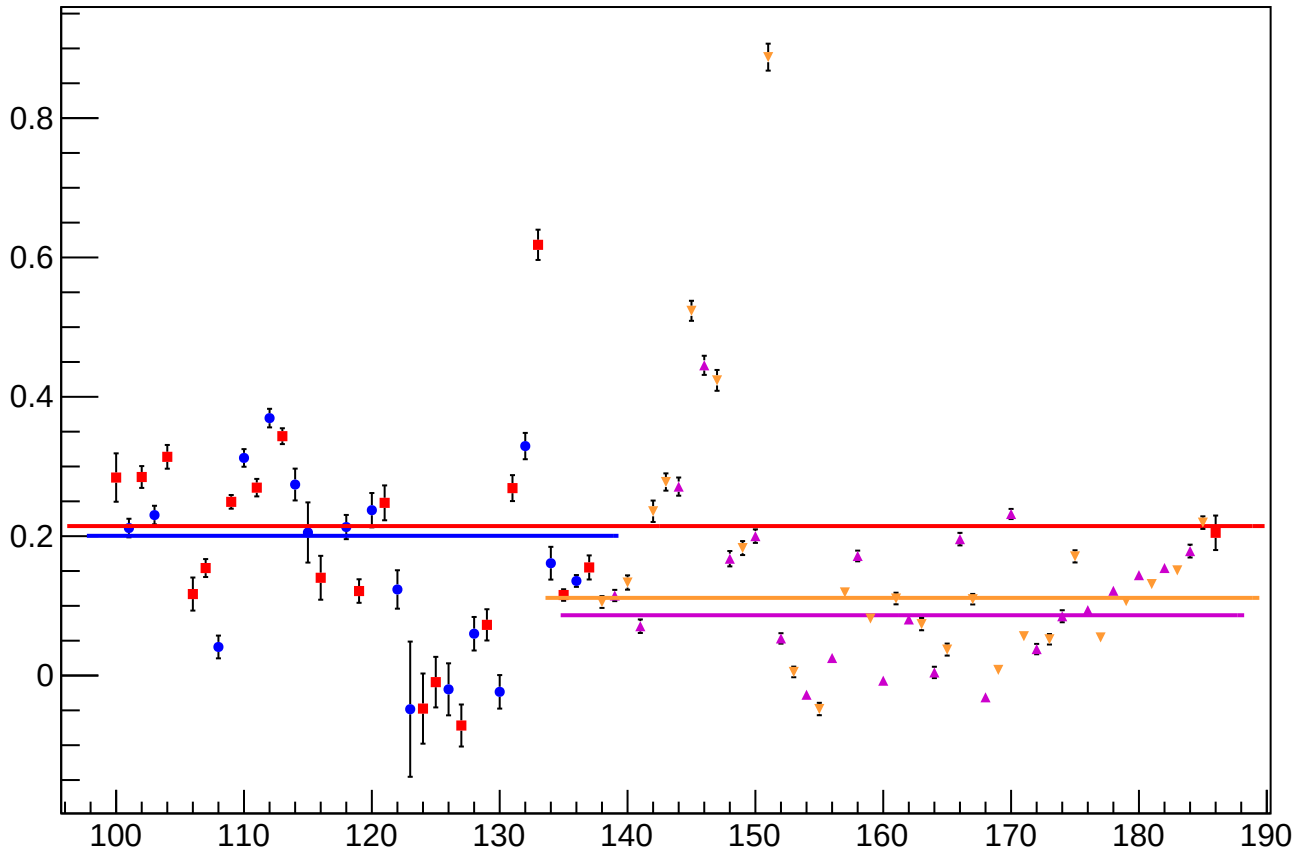
Left In: -1.082 $\pm$ 0.034 χ^2/NDF : 6724.1/22

+ sign -1.360 $\pm$ 0.032 χ^2/NDF : 9193.9/41

All: -1.256 $\pm$ 0.022 χ^2/NDF : 17508.9/84

- sign -1.163 $\pm$ 0.030 χ^2/NDF : 8294.8/42

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 630.5/16

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.214 ± 0.004 χ^2/NDF : 999.1/19

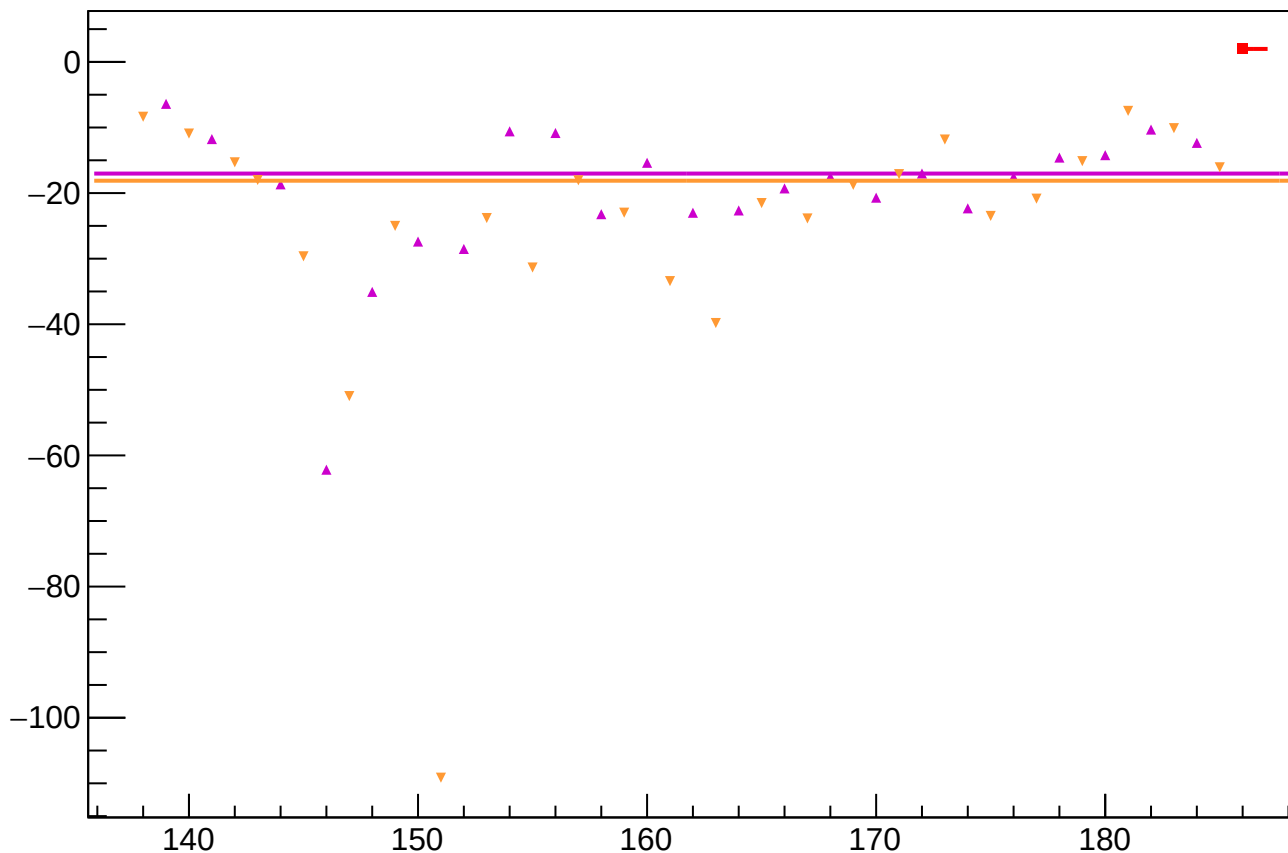
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.123 ± 0.001 χ^2/NDF : 5529.8/41

All: 0.113 ± 0.001 χ^2/NDF : 11291.5/84

- sign 0.105 ± 0.001 χ^2/NDF : 5683.1/42

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.112+/-0.039 χ^2/NDF : 88529.7/24

Right Out: 1.982+/-0.192 χ^2/NDF : 0.0/0

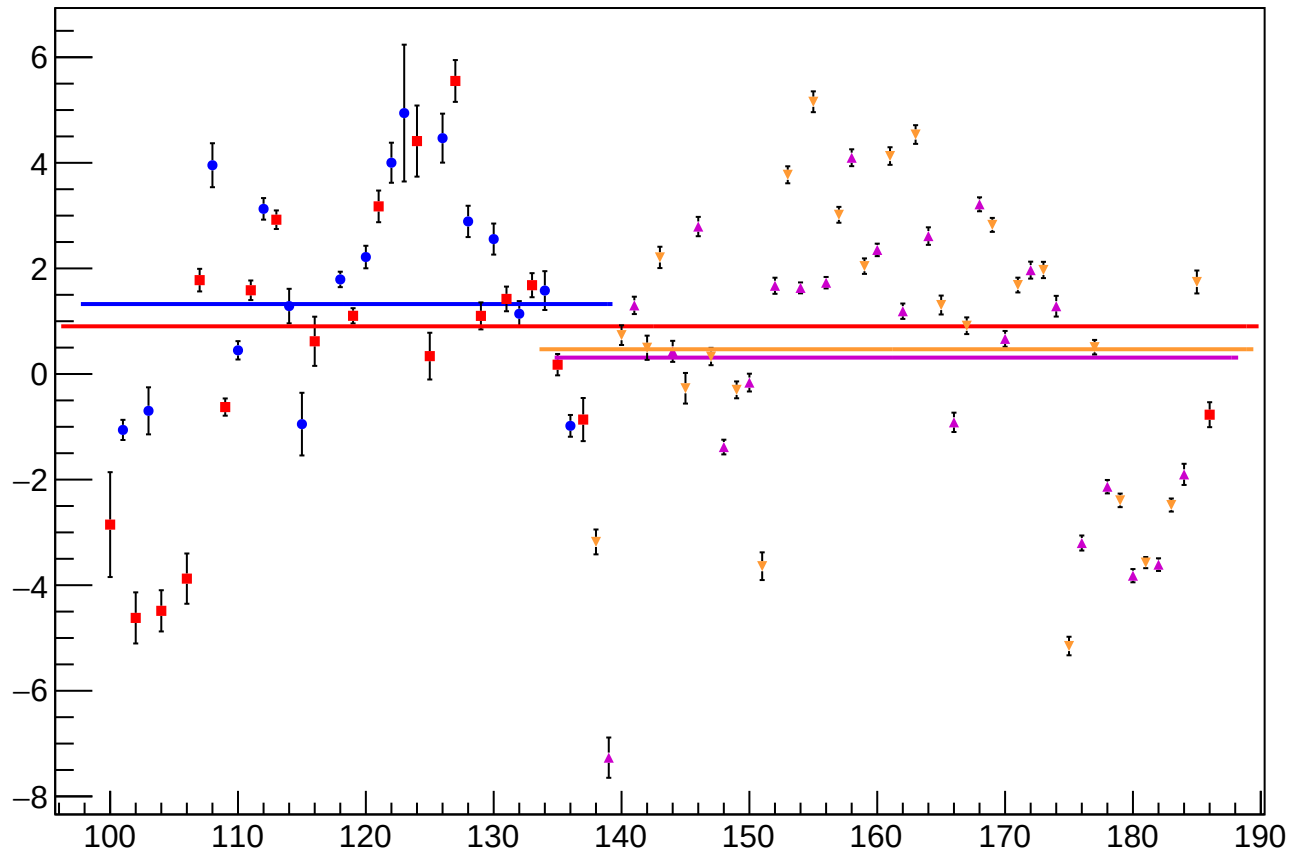
Left In: -17.024+/-0.038 χ^2/NDF : 44141.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.172+/-0.027 χ^2/NDF : 143275.0/48

- sign -16.302+/-0.037 χ^2/NDF : 53614.6/23

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.325 ± 0.062 χ^2/NDF : 637.1/16

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.903 ± 0.056 χ^2/NDF : 1011.0/19

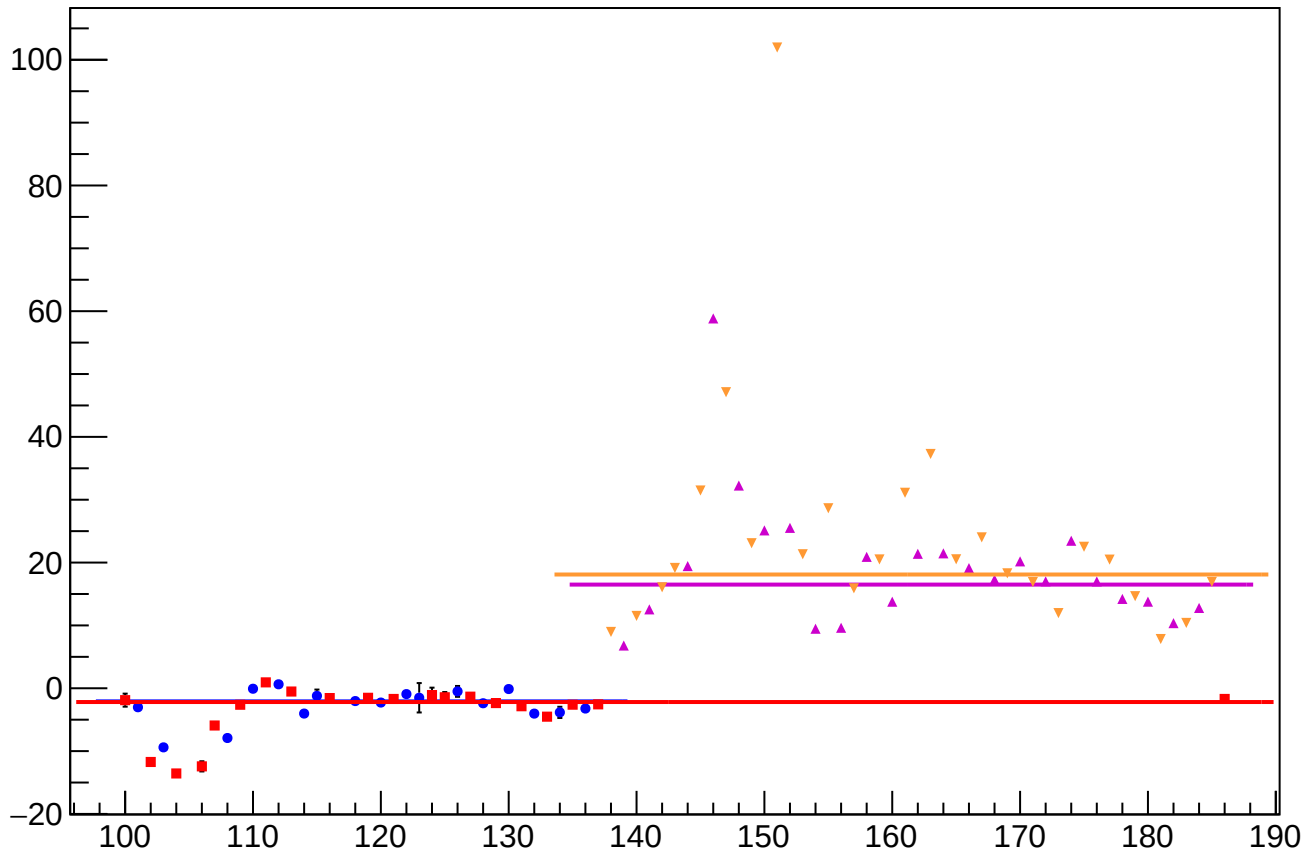
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.651 ± 0.029 χ^2/NDF : 7879.9/41

All: 0.542 ± 0.020 χ^2/NDF : 15186.9/84

- sign 0.446 ± 0.027 χ^2/NDF : 7279.7/42

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.090 ± 0.112 χ^2/NDF : 449.1/16

Left Out: 18.101 ± 0.039 χ^2/NDF : 77839.7/24

Right Out: -2.190 ± 0.083 χ^2/NDF : 903.6/19

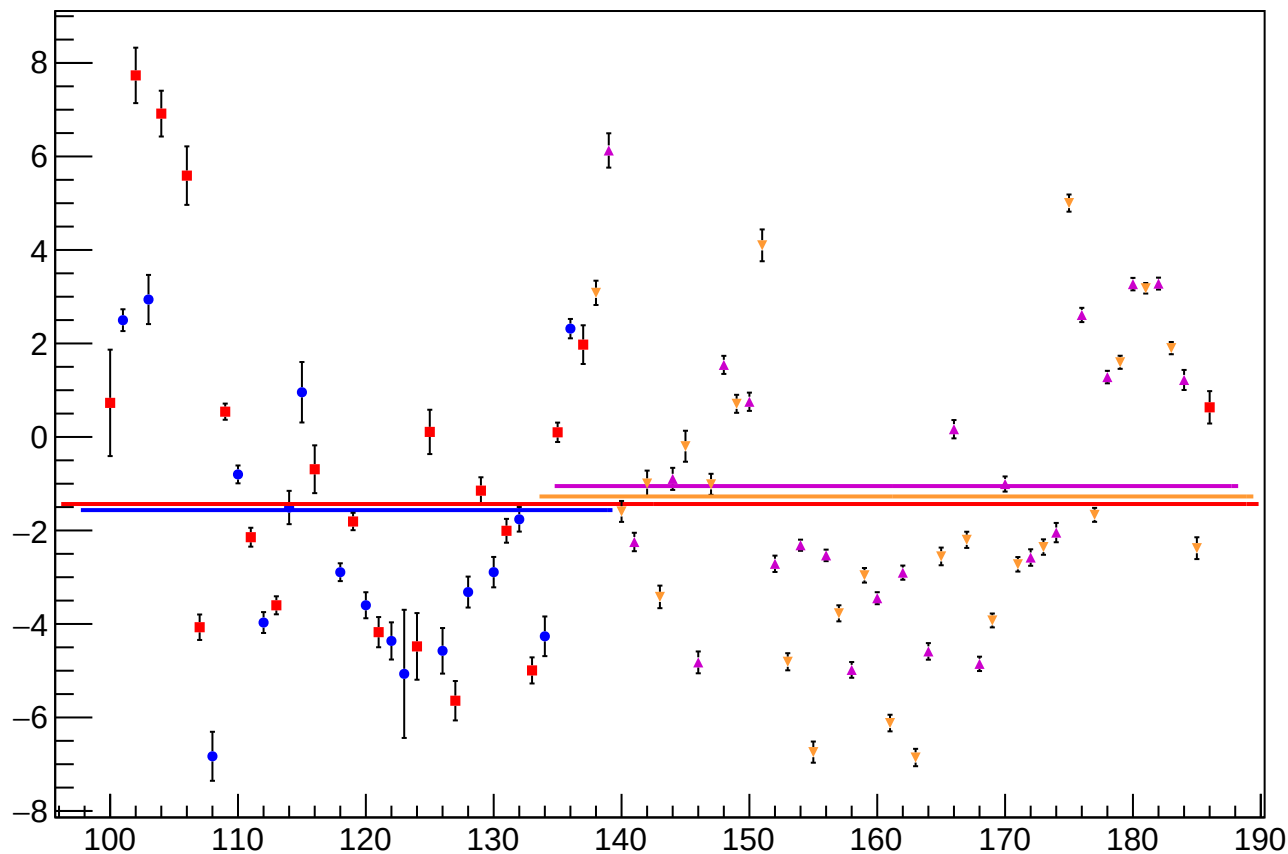
Left In: 16.496 ± 0.038 χ^2/NDF : 40867.3/22

+ sign 15.904 ± 0.037 χ^2/NDF : 107474.6/41

All: 14.517 ± 0.025 χ^2/NDF : 193854.8/84

- sign 13.312 ± 0.034 χ^2/NDF : 83726.9/42

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.565 $\pm$ 0.071 χ^2/NDF : 1258.1/16

Left Out: -1.273 $\pm$ 0.036 χ^2/NDF : 7951.6/24

Right Out: -1.434 $\pm$ 0.064 χ^2/NDF : 1555.7/19

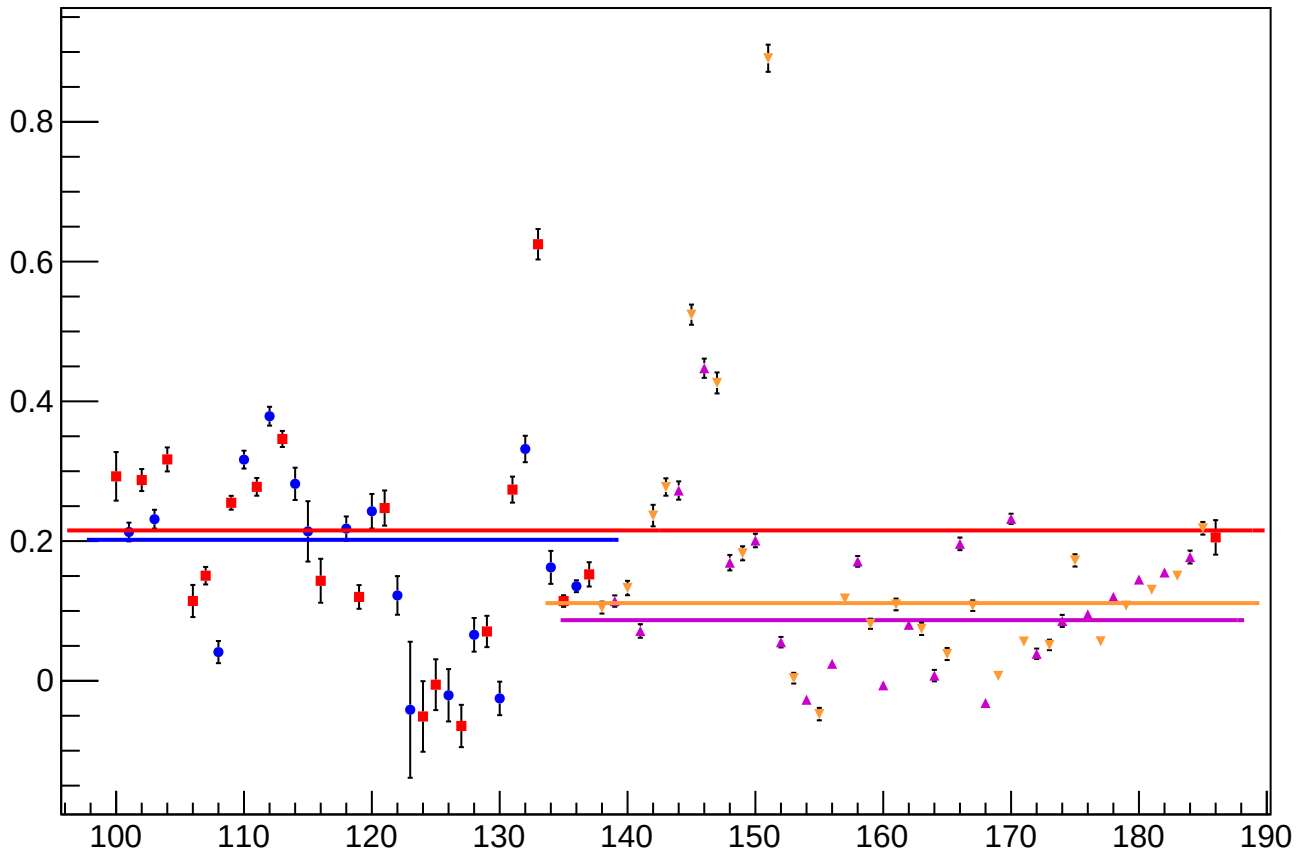
Left In: -1.050 $\pm$ 0.034 χ^2/NDF : 6673.4/22

+ sign -1.332 $\pm$ 0.032 χ^2/NDF : 9223.1/41

All: -1.227 $\pm$ 0.022 χ^2/NDF : 17500.2/84

- sign -1.134 $\pm$ 0.030 χ^2/NDF : 8256.9/42

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.004 χ^2/NDF : 658.6/16

Left Out: 0.111 ± 0.002 χ^2/NDF : 4474.5/24

Right Out: 0.215 ± 0.004 χ^2/NDF : 1031.6/19

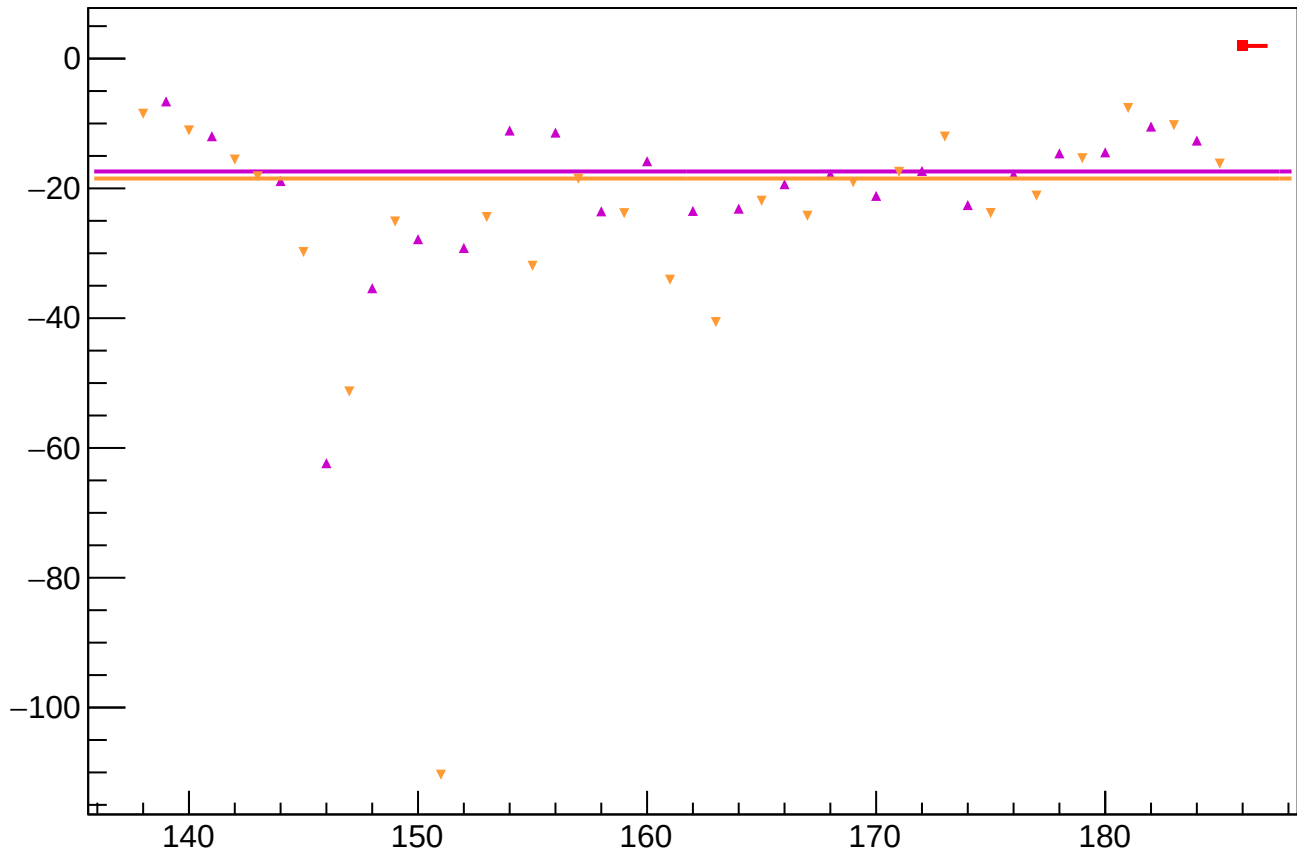
Left In: 0.087 ± 0.001 χ^2/NDF : 3598.5/22

+ sign 0.123 ± 0.001 χ^2/NDF : 5547.2/41

All: 0.114 ± 0.001 χ^2/NDF : 11312.8/84

- sign 0.105 ± 0.001 χ^2/NDF : 5691.3/42

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.479+/-0.040 χ^2/NDF : 87883.4/24

Right Out: 1.954+/-0.192 χ^2/NDF : 0.0/0

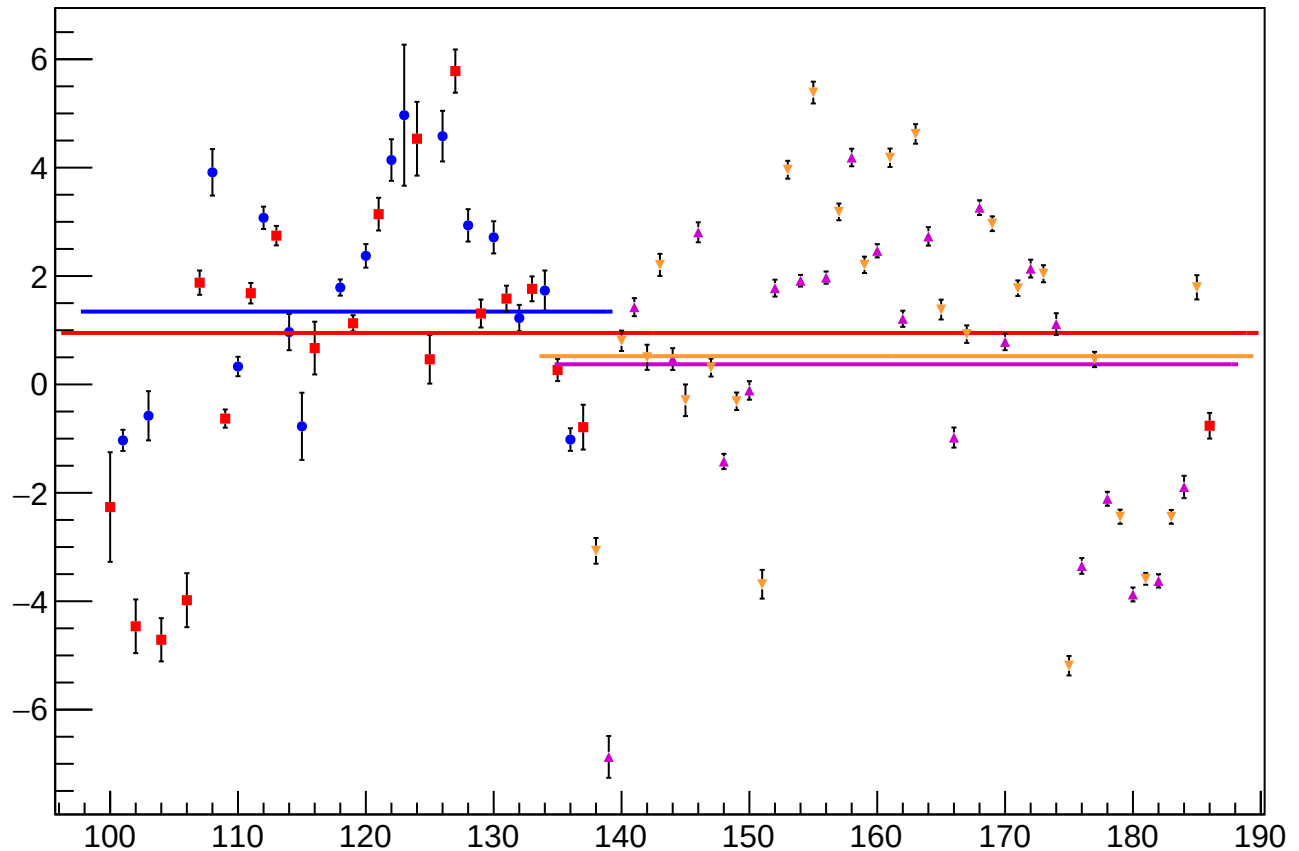
Left In: -17.393+/-0.039 χ^2/NDF : 43178.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.519+/-0.028 χ^2/NDF : 141905.2/48

- sign -16.631+/-0.038 χ^2/NDF : 52895.3/23

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.344 $\pm$ 0.063 χ^2/NDF : 636.3/16

Left Out: 0.522 $\pm$ 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.950 $\pm$ 0.057 χ^2/NDF : 982.9/19

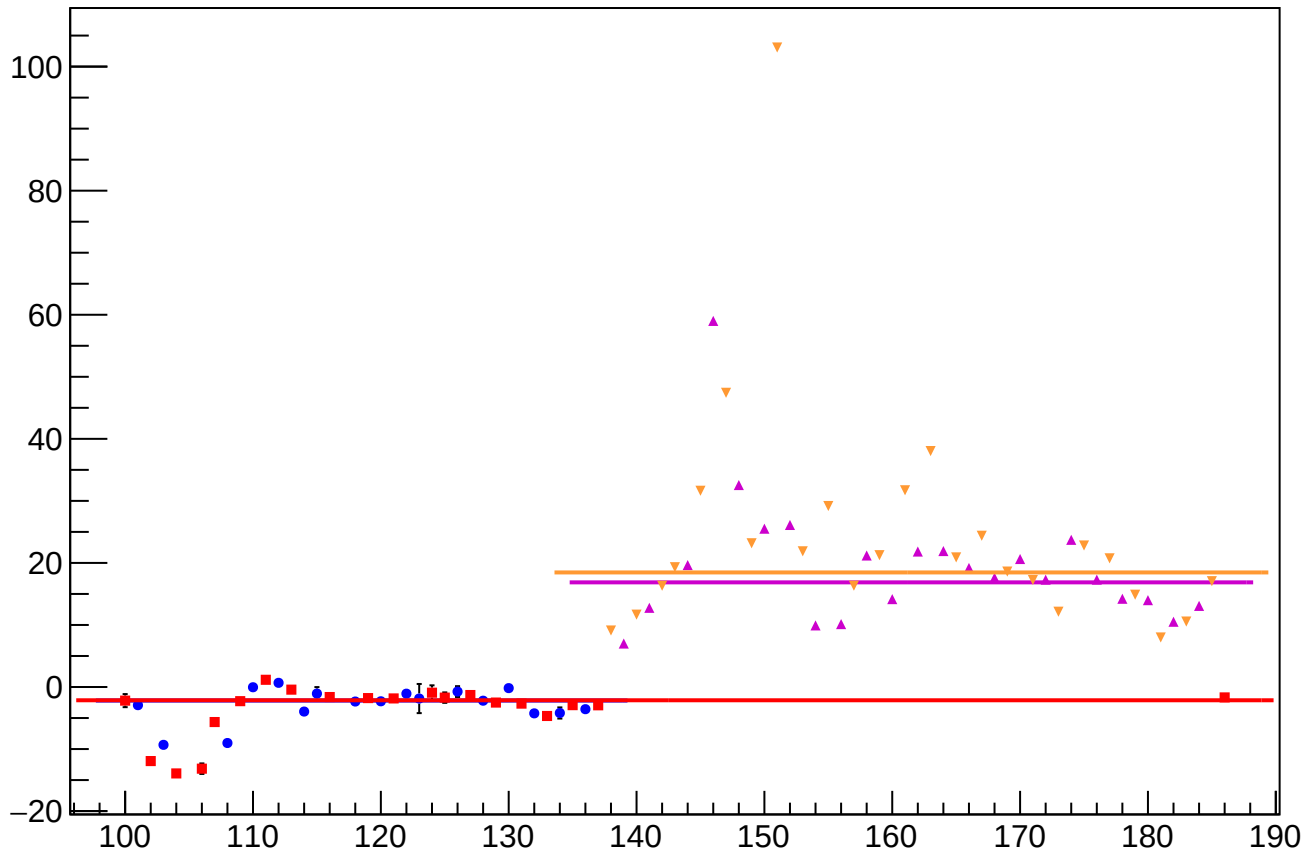
Left In: 0.371 $\pm$ 0.031 χ^2/NDF : 6217.4/22

+ sign 0.698 $\pm$ 0.029 χ^2/NDF : 7824.4/41

All: 0.595 $\pm$ 0.020 χ^2/NDF : 15126.1/84

- sign 0.504 $\pm$ 0.028 χ^2/NDF : 7278.5/42

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.181 ± 0.114 χ^2/NDF : 472.4/16

Left Out: 18.467 ± 0.040 χ^2/NDF : 77226.7/24

Right Out: -2.138 ± 0.084 χ^2/NDF : 922.9/19

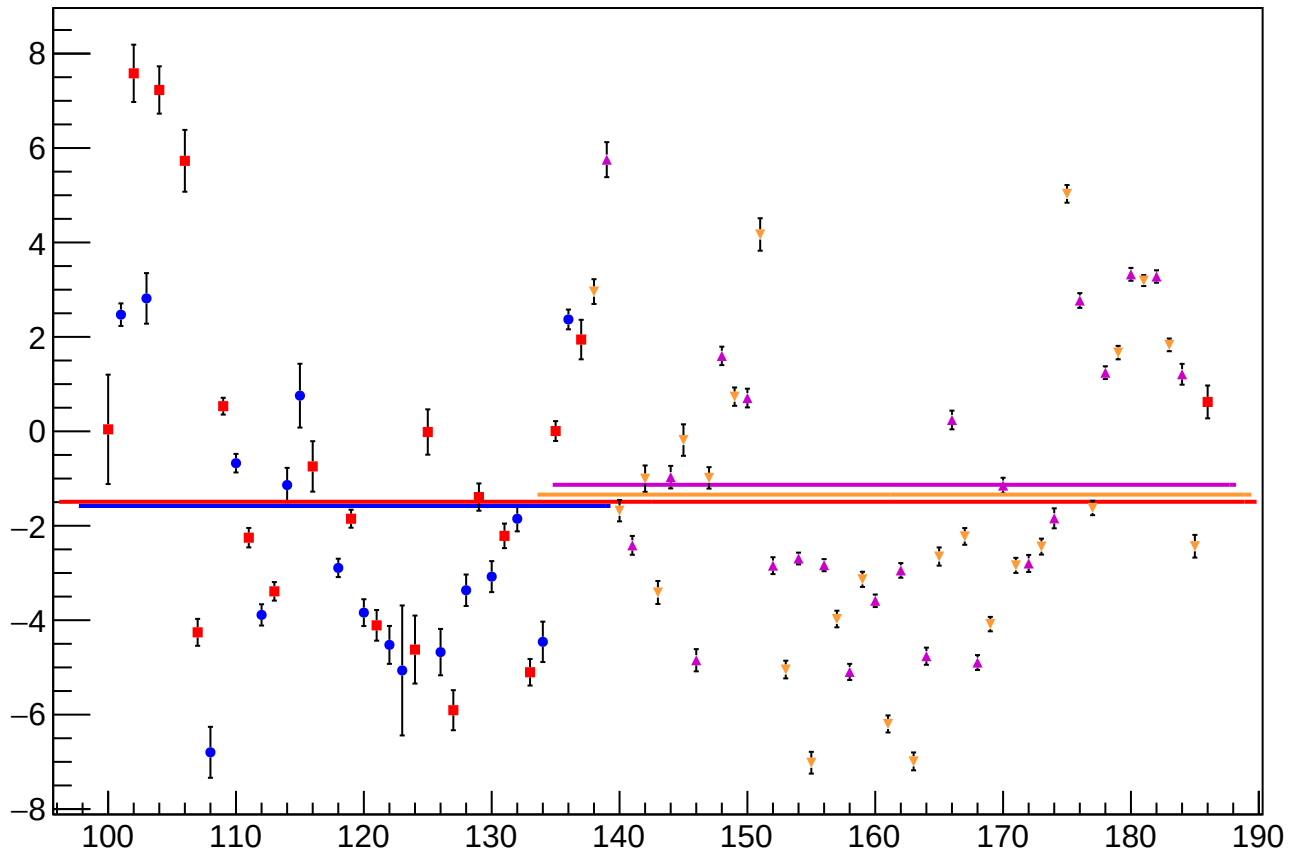
Left In: 16.867 ± 0.039 χ^2/NDF : 39779.0/22

+ sign 16.200 ± 0.038 χ^2/NDF : 107120.7/41

All: 14.802 ± 0.026 χ^2/NDF : 192323.0/84

- sign 13.586 ± 0.035 χ^2/NDF : 82620.4/42

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.581±/0.073 χ^2/NDF : 1247.7/16

Left Out: -1.340±/0.037 χ^2/NDF : 7907.4/24

Right Out: -1.492±/0.066 χ^2/NDF : 1515.9/19

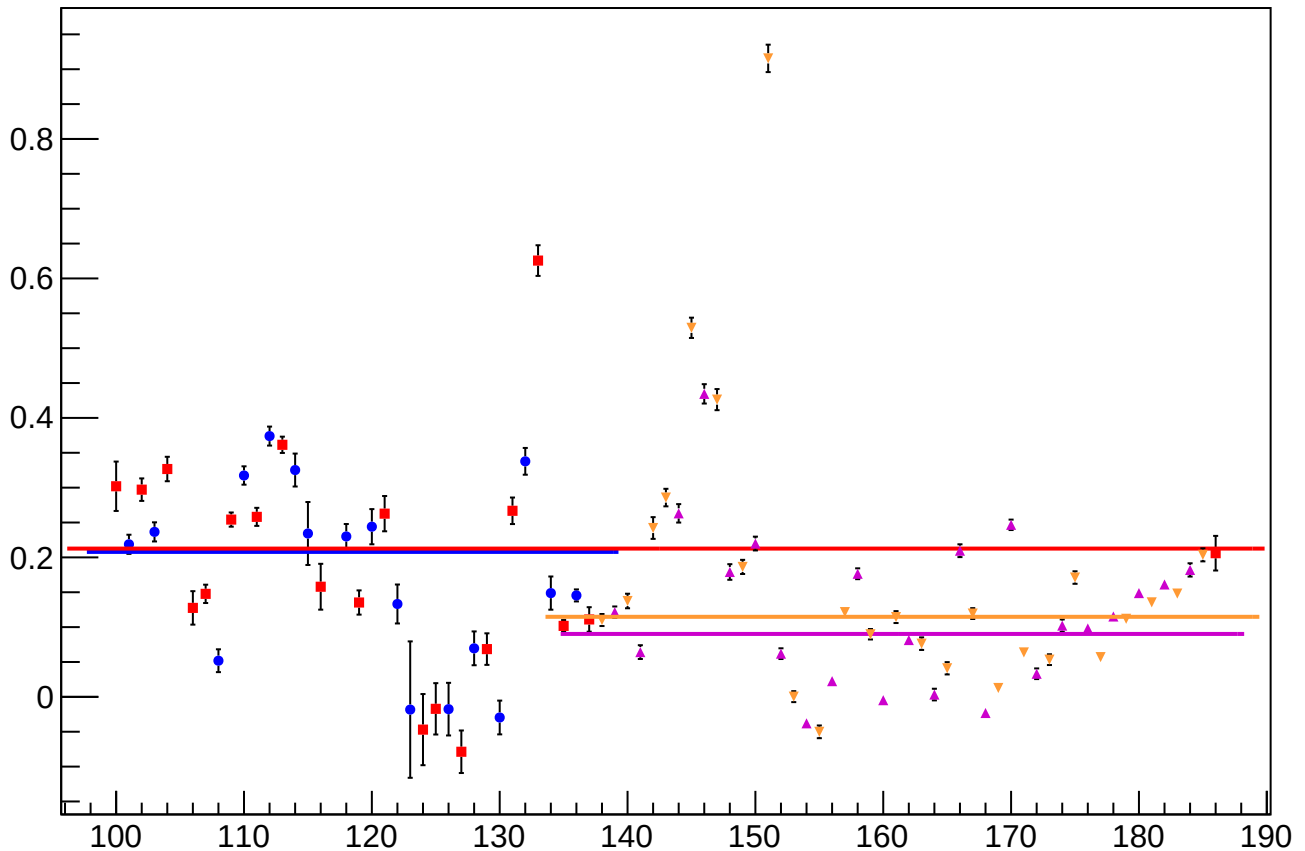
Left In: -1.132±/0.035 χ^2/NDF : 6708.5/22

+ sign -1.389±/0.033 χ^2/NDF : 9163.9/41

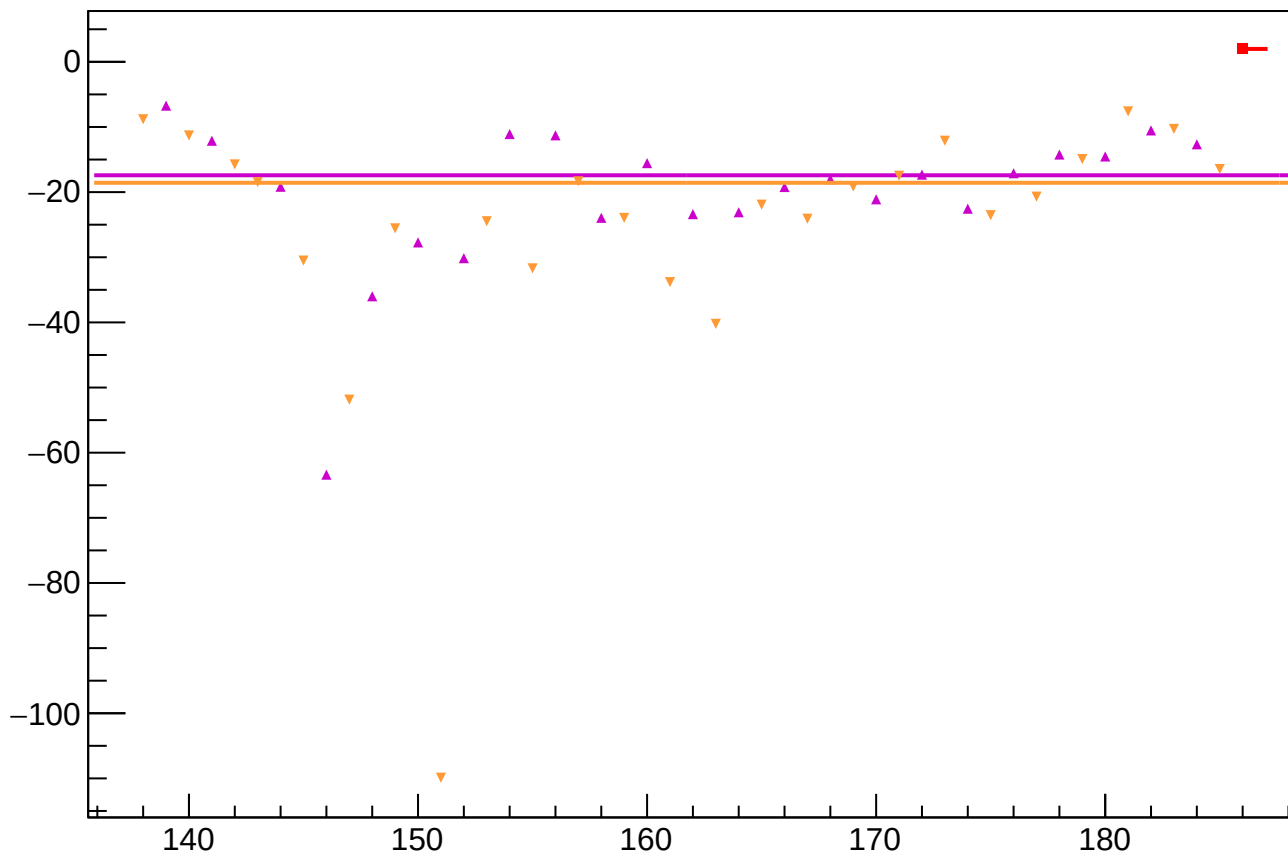
All: -1.295±/0.022 χ^2/NDF : 17427.4/84

- sign -1.211±/0.031 χ^2/NDF : 8247.8/42

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -18.566 $\pm$ 0.040 χ^2 /NDF: 86389.6/24

Right Out: 1.981 $\pm$ 0.193 χ^2 /NDF: 0.0/0

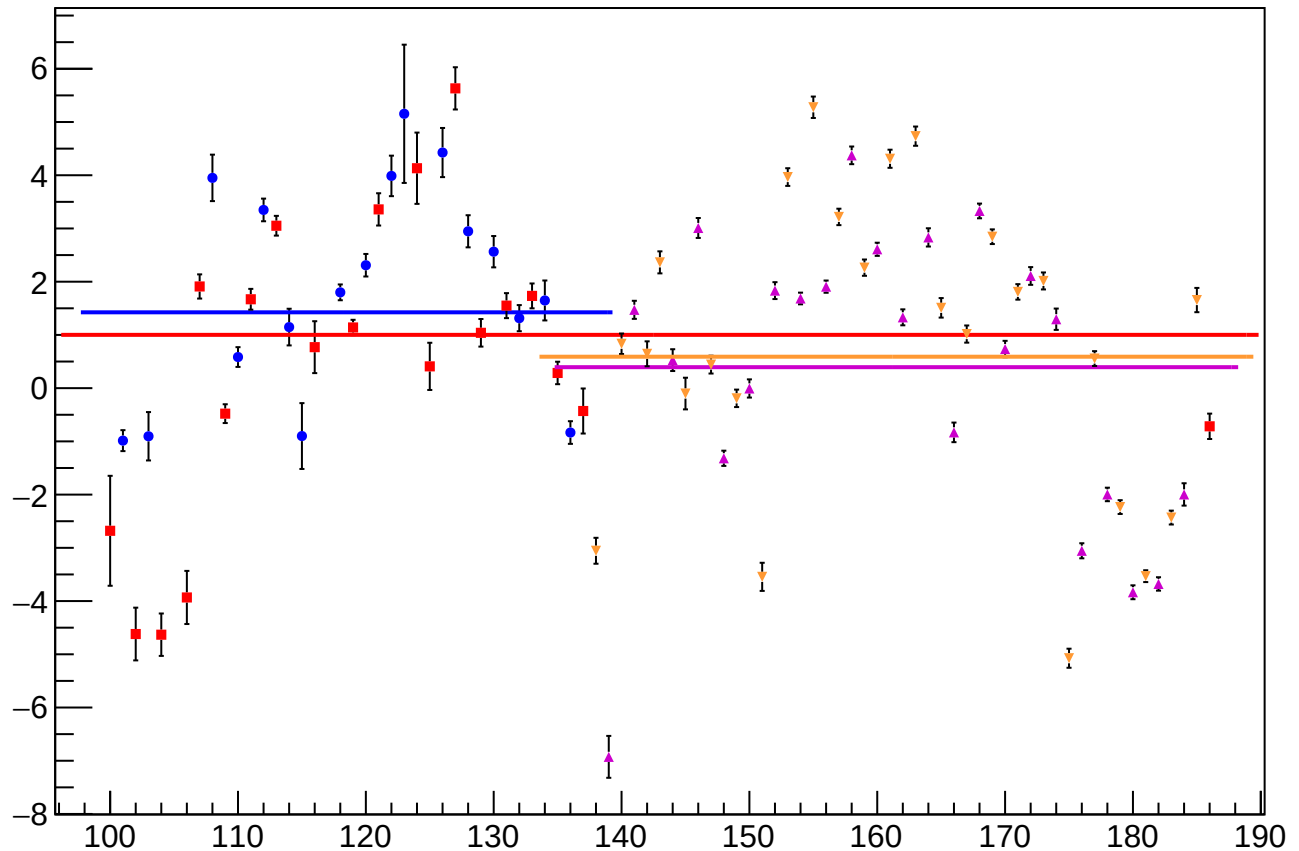
Left In: -17.414 $\pm$ 0.039 χ^2 /NDF: 43504.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -17.567 $\pm$ 0.028 χ^2 /NDF: 140751.9/48

- sign -16.645 $\pm$ 0.039 χ^2 /NDF: 53167.7/23

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.425 ± 0.064 χ^2/NDF : 599.8/16

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 1.001 ± 0.058 χ^2/NDF : 970.9/19

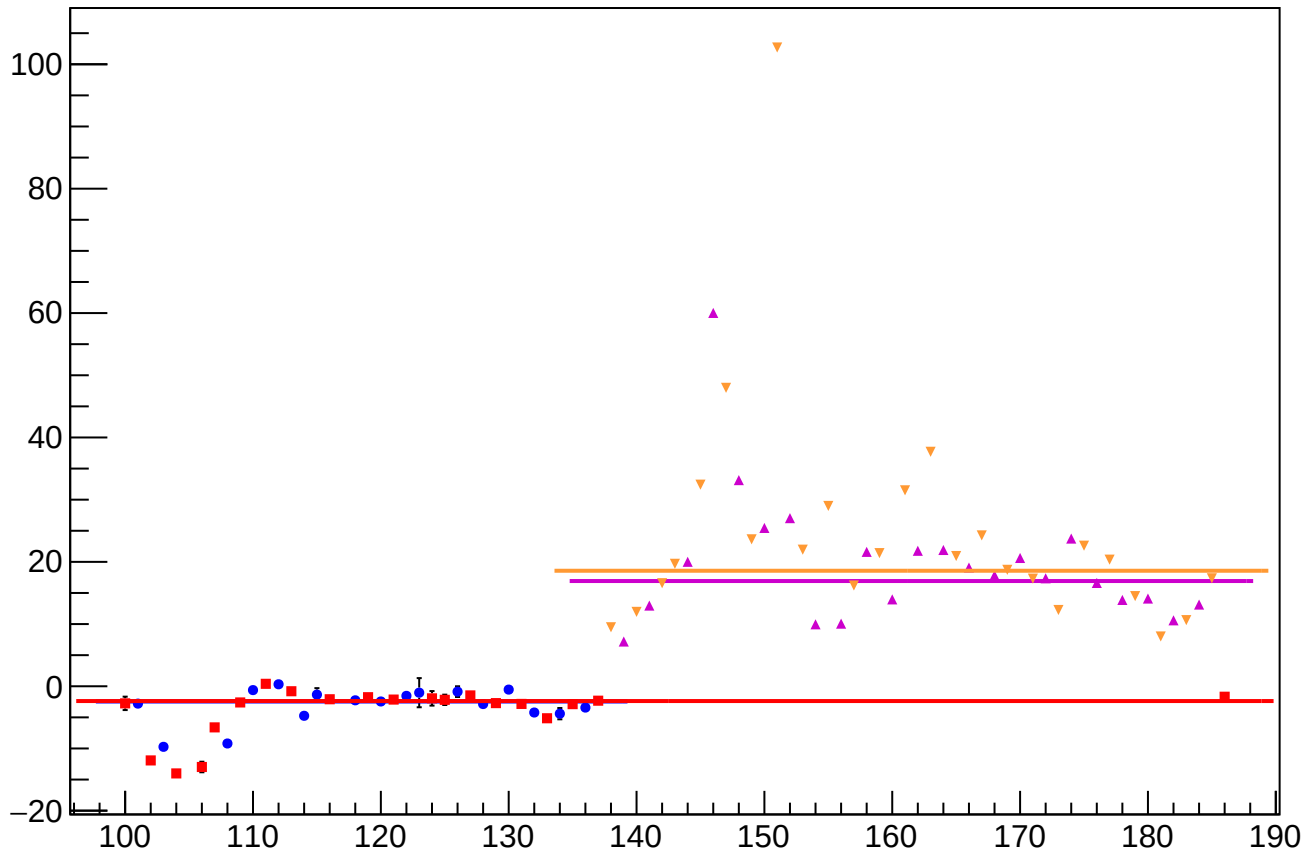
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.769 ± 0.030 χ^2/NDF : 7530.8/41

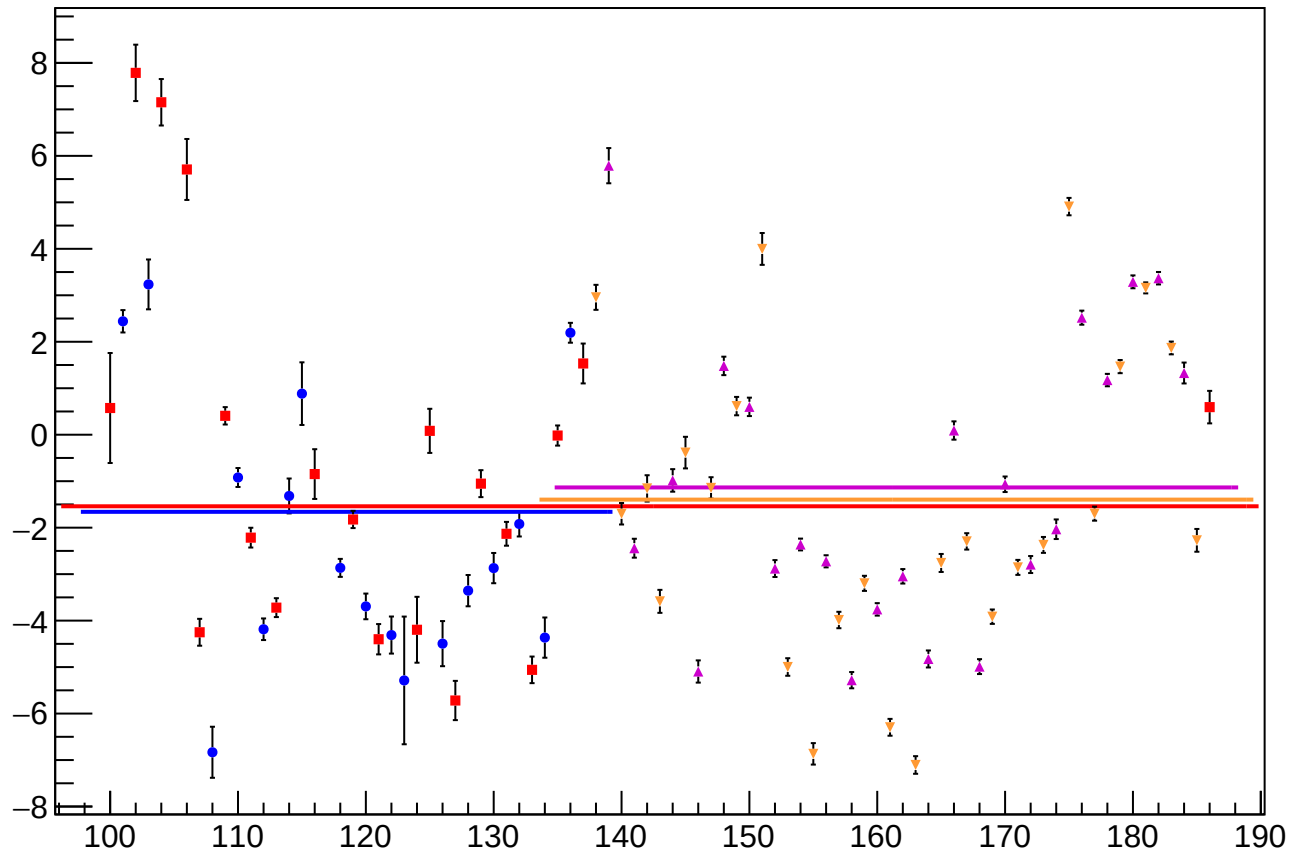
All: 0.644 ± 0.020 χ^2/NDF : 14679.6/84

- sign 0.533 ± 0.028 χ^2/NDF : 7114.9/42

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.659 ± 0.073 $\chi^2/\text{NDF}: 1190.9/16$

Left Out: -1.396 ± 0.037 $\chi^2/\text{NDF}: 7651.5/24$

Right Out: -1.540 ± 0.067 $\chi^2/\text{NDF}: 1487.4/19$

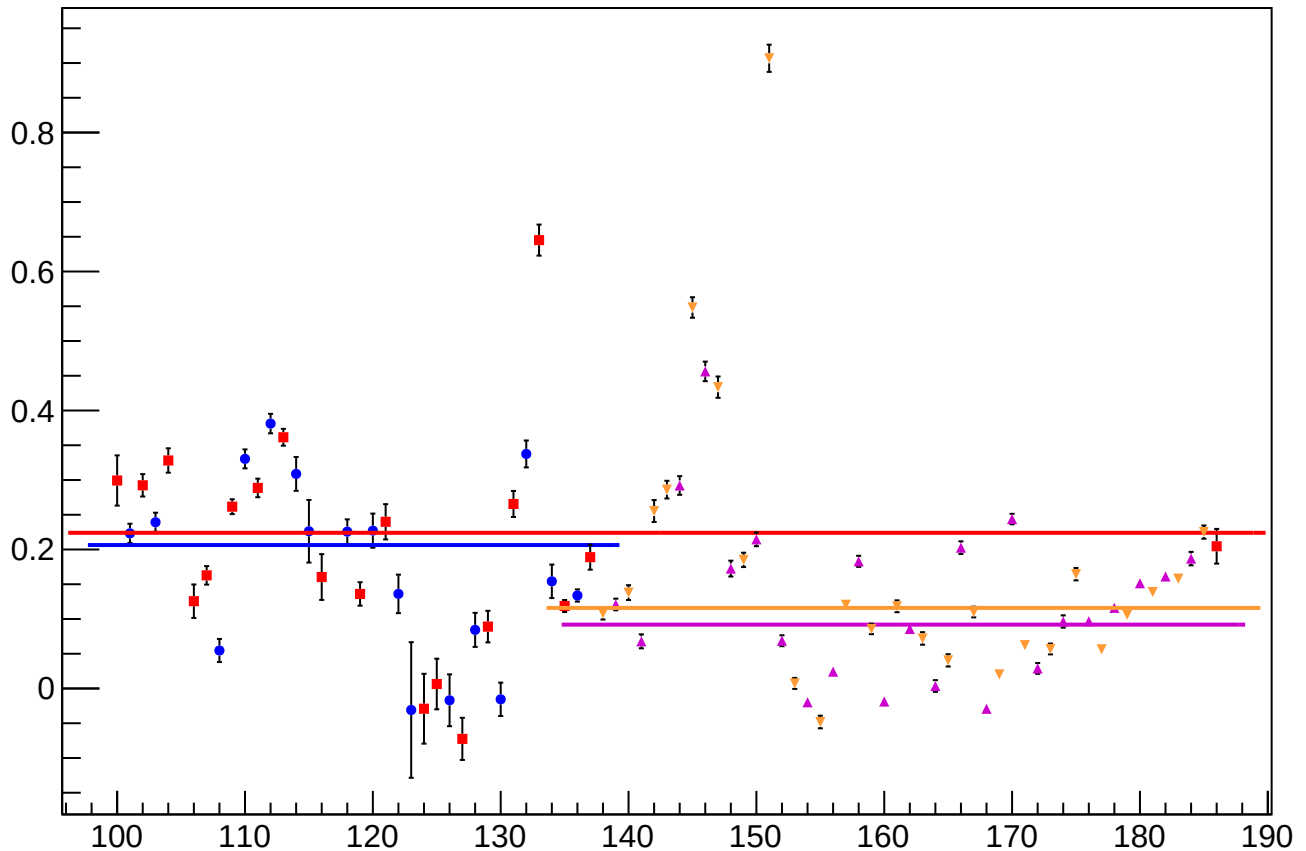
Left In: -1.135 ± 0.035 $\chi^2/\text{NDF}: 6597.7/22$

+ sign -1.450 ± 0.033 $\chi^2/\text{NDF}: 8852.7/41$

All: -1.330 ± 0.023 $\chi^2/\text{NDF}: 16991.7/84$

- sign -1.223 ± 0.031 $\chi^2/\text{NDF}: 8114.0/42$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.206 ± 0.004 χ^2/NDF : 625.2/16

Left Out: 0.116 ± 0.002 χ^2/NDF : 4463.0/24

Right Out: 0.224 ± 0.004 χ^2/NDF : 995.6/19

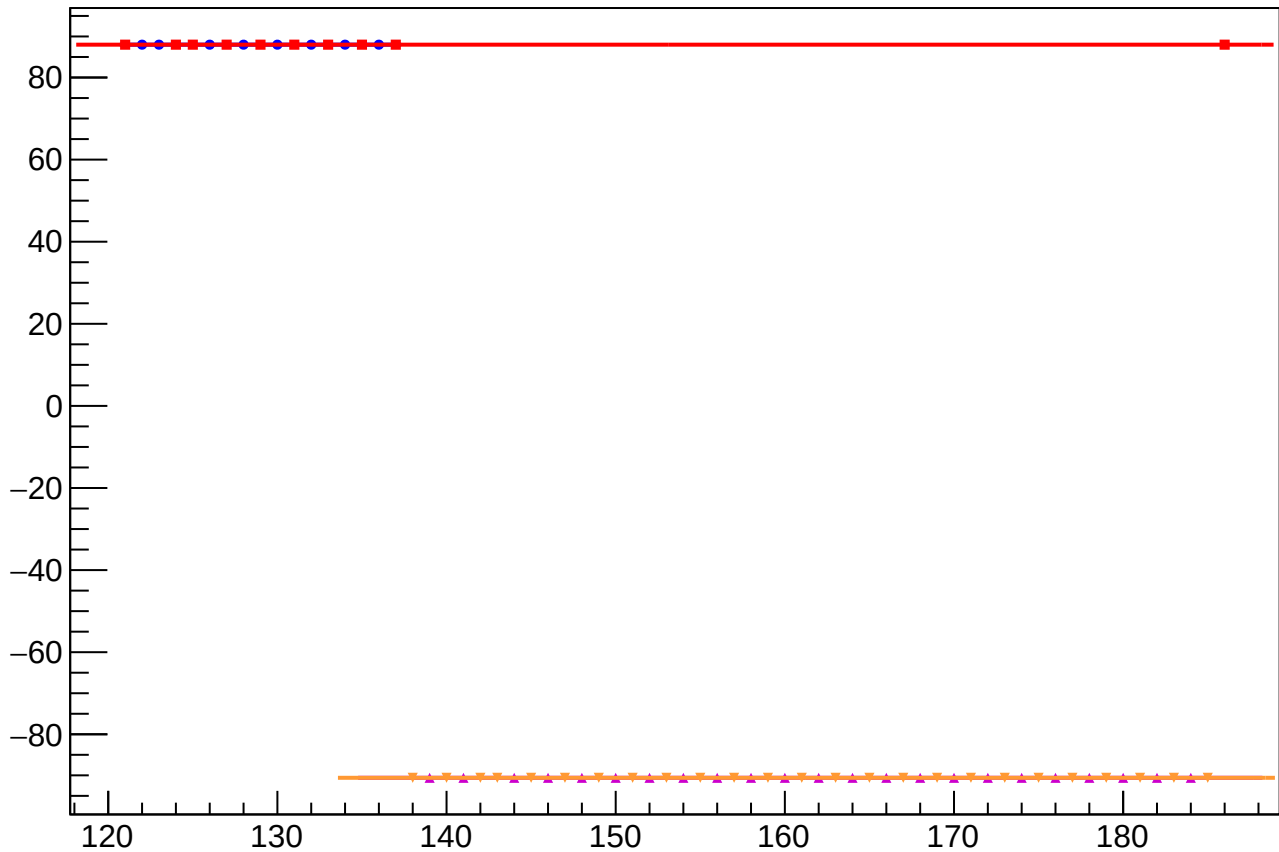
Left In: 0.092 ± 0.002 χ^2/NDF : 3631.4/22

+ sign 0.128 ± 0.002 χ^2/NDF : 5476.4/41

All: 0.119 ± 0.001 χ^2/NDF : 11206.6/84

- sign 0.111 ± 0.001 χ^2/NDF : 5666.3/42

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 922500.3/7

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 6053403.0/24

Right Out: 88.001 $\pm$ 0.000 χ^2 /NDF: 137123.0/9

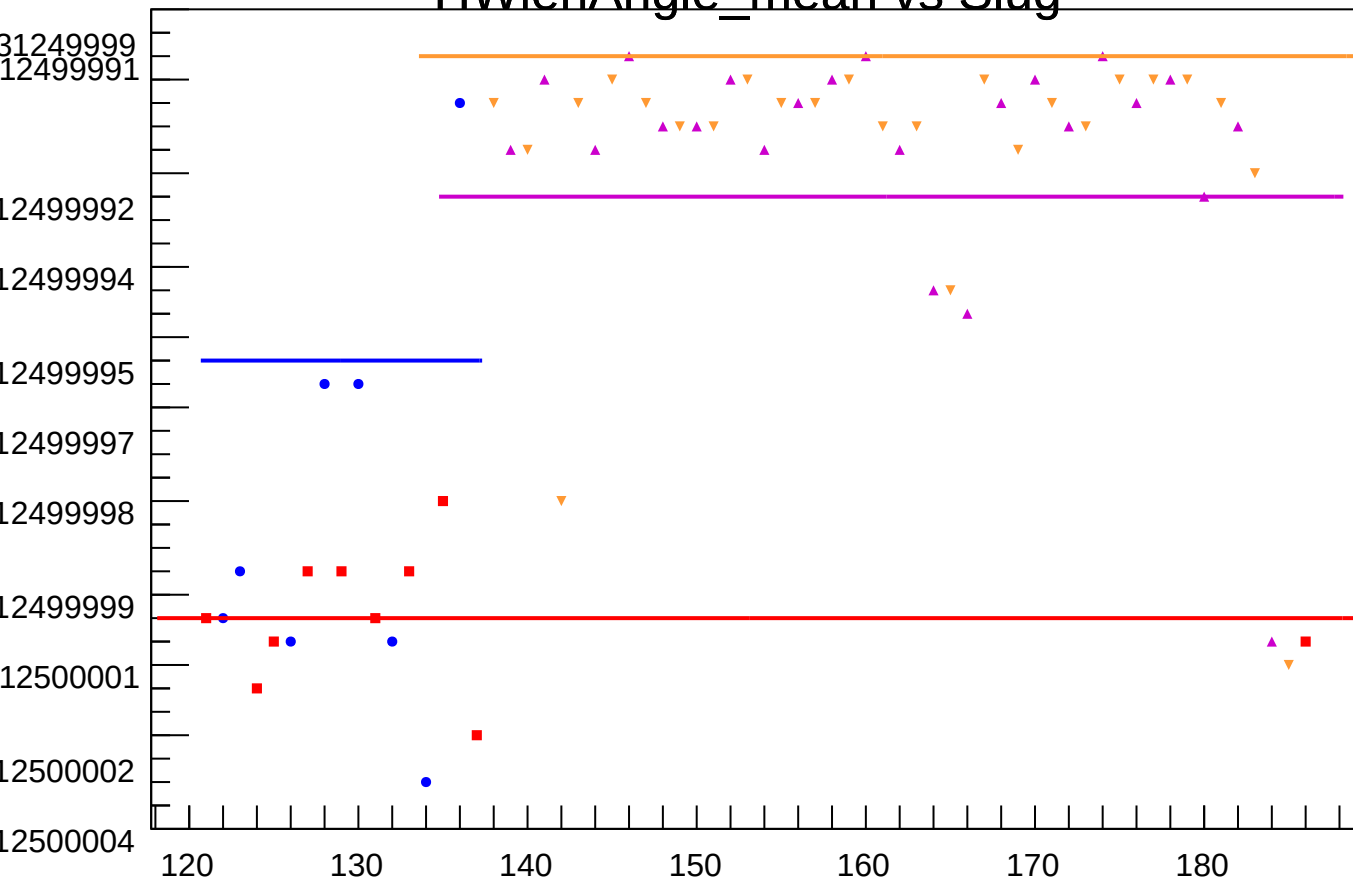
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5932436.0/22

+ sign -63.678 $\pm$ 0.000 χ^2 /NDF: 918346381520674

All: -62.525 $\pm$ 0.000 χ^2 /NDF: 186574094126

- sign -61.327 $\pm$ 0.000 χ^2 /NDF: 9467847633333318

HWienAngle_mean vs Slug



Right In: -29.641 ± 0.000 χ^2/NDF : 433709.4/7

Left Out: -29.641 ± 0.000 χ^2/NDF : 654199.2/24

Right Out: -29.641 ± 0.000 χ^2/NDF : 29774.8/9

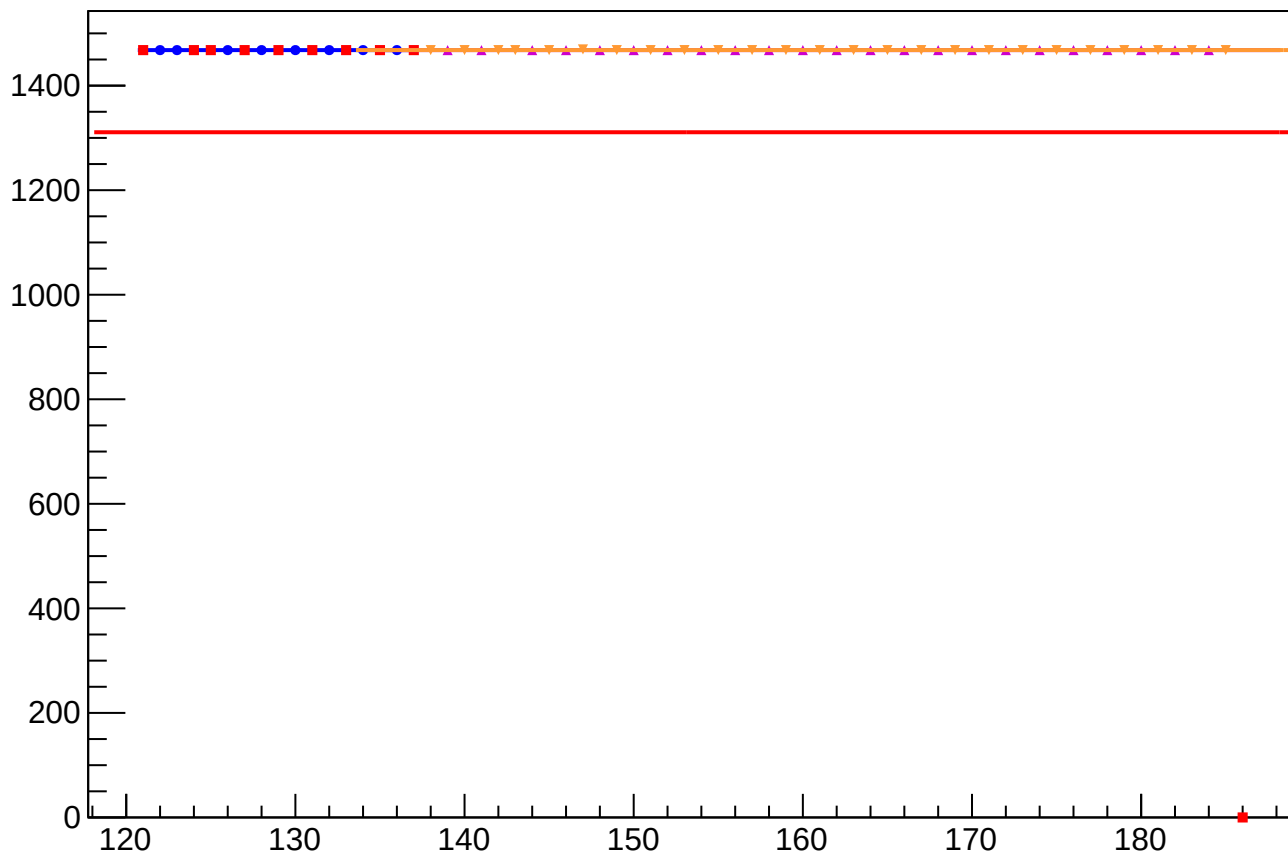
Left In: -29.641 ± 0.000 χ^2/NDF : 511825.6/22

+ sign -29.641 ± 0.000 χ^2/NDF : 1661177.0/32

All: -29.641 ± 0.000 χ^2/NDF : 5124718.1/65

- sign -29.641 ± 0.000 χ^2/NDF : 2023800.6/32

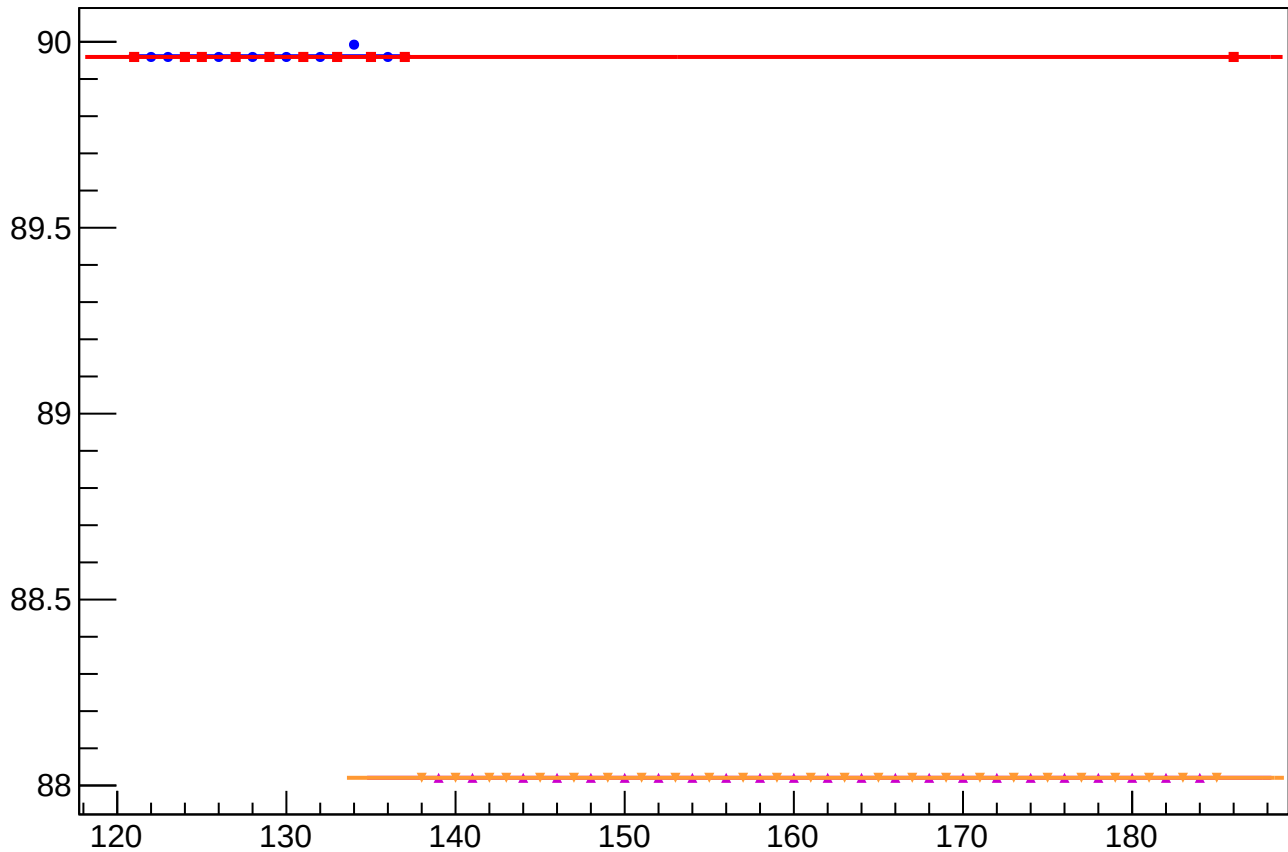
psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 $\chi^2/\text{NDF}: 426876894.9/7$
 Left Out: 1468.048+/-0.000 $\chi^2/\text{NDF}: 127960980922965975039069502046208.0/24$
 Right Out: 1310.844+/-0.000 $\chi^2/\text{NDF}: 73122127718779489374121349928022179840.0/9$
 Left In: 1467.994+/-0.000 $\chi^2/\text{NDF}: 145848702340275035310993178624.0/22$

All: 1455.380+/-0.000 $\chi^2/\text{NDF}: 81186844821$
 + sign 1468.037+/-0.000 $\chi^2/\text{NDF}: 12931101792093$
 - sign 1442.237+/-0.000 $\chi^2/\text{NDF}: 80452277042675$

Phi_FG_mean vs Slug



Right In: 89.961+/-0.000 χ^2/NDF : 21516176742595877338351665152.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 5326388.8/24

Right Out: 89.959+/-0.000 χ^2/NDF : 440449.4/9

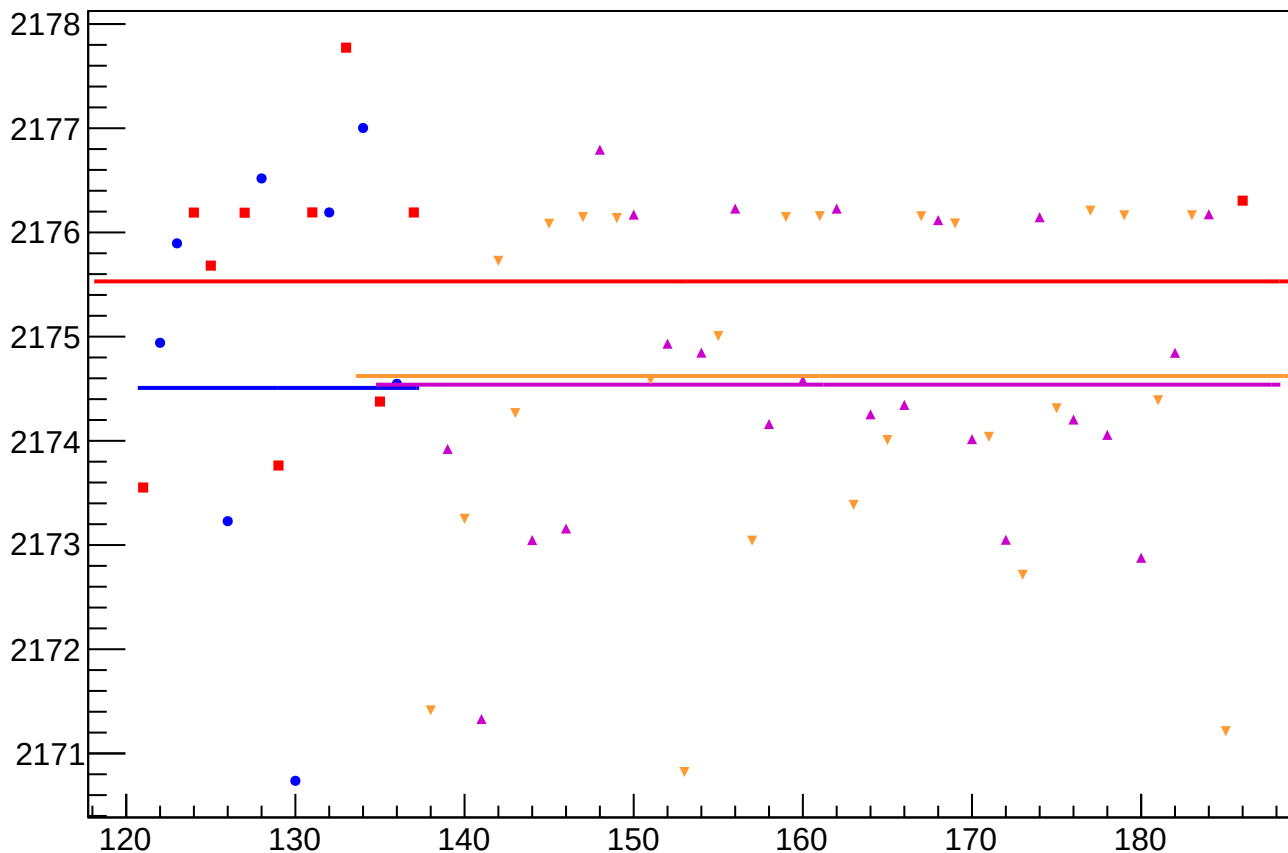
Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22

+ sign 88.313+/-0.000 χ^2/NDF : 1084283002694633

All: 88.326+/-0.000 χ^2/NDF : 2200464640333

- sign 88.338+/-0.000 χ^2/NDF : 1115480461202102

HALLA_p_mean vs Slug



Right In: 2174.508 ± 0.000 $\chi^2/NDF: 1288672467722248839202216695824384.0/7$

Left Out: 2174.622 ± 0.000 $\chi^2/NDF: 5110578135476093110874911595823104.0/24$

Right Out: 2175.530 ± 0.000 $\chi^2/NDF: 635454900926319334322921220866048.0/9$

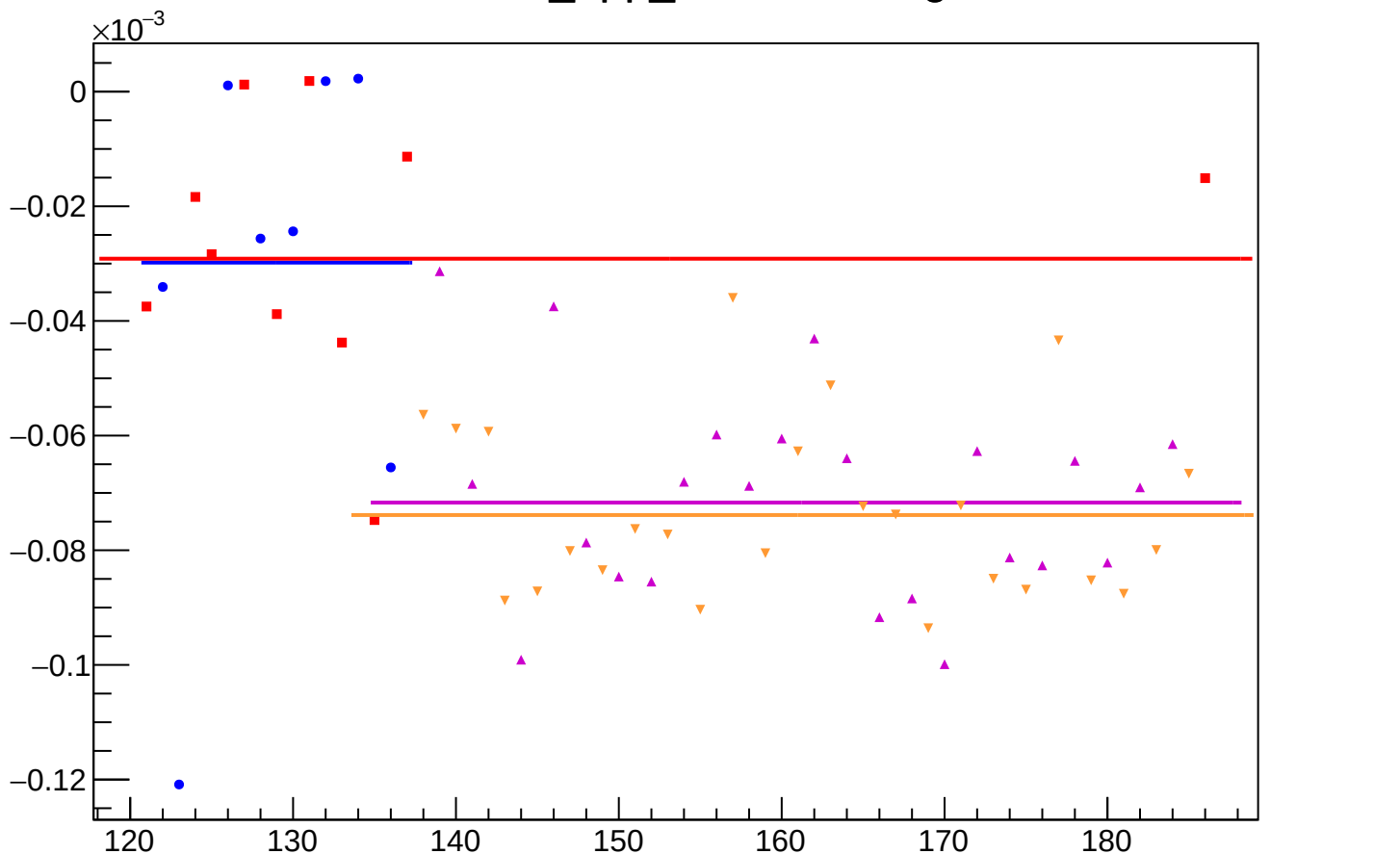
Left In: 2174.539 ± 0.000 $\chi^2/NDF: 3400742562425168967494665391570944.0/22$

+ sign 2174.605 ± 0.000 $\chi^2/NDF: 64029939606901$

All: 2174.652 ± 0.000 $\chi^2/NDF: 1074104595$

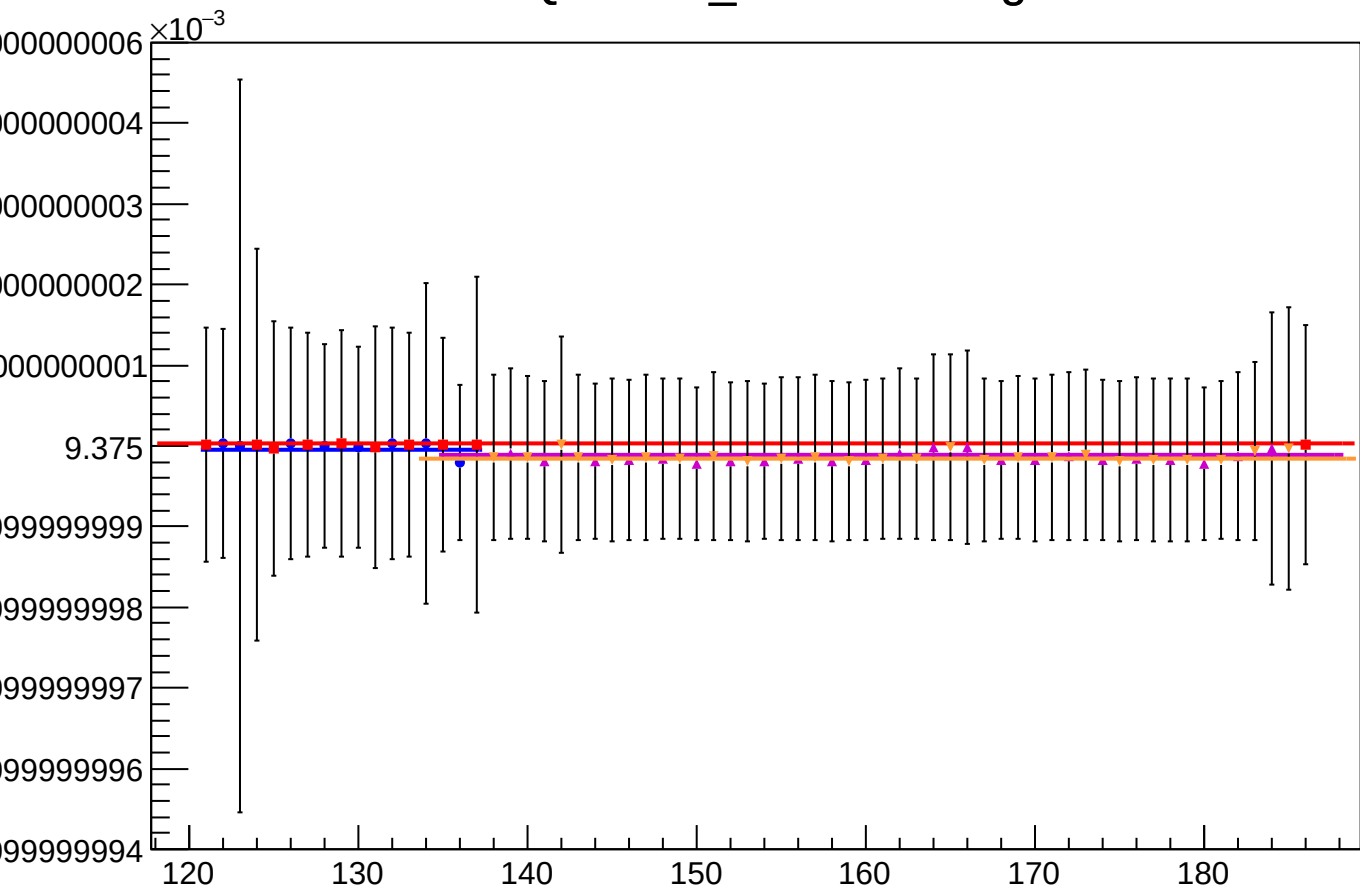
- sign 2174.701 ± 0.000 $\chi^2/NDF: 43277557292147$

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 248631969637472403456000.0/7	+ sign -0.000+/-0.000	χ^2/NDF : 1257298998226782
Left Out: -0.000+/-0.000	χ^2/NDF : 450400934180541069000704.0/24	All: -0.000+/-0.000	χ^2/NDF : 2567325499053
Right Out: -0.000+/-0.000	χ^2/NDF : 203905439167963289616384.0/9	- sign -0.000+/-0.000	χ^2/NDF : 1303070644662565
Left In: -0.000+/-0.000	χ^2/NDF : 562166279020739416817664.0/22		

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/9

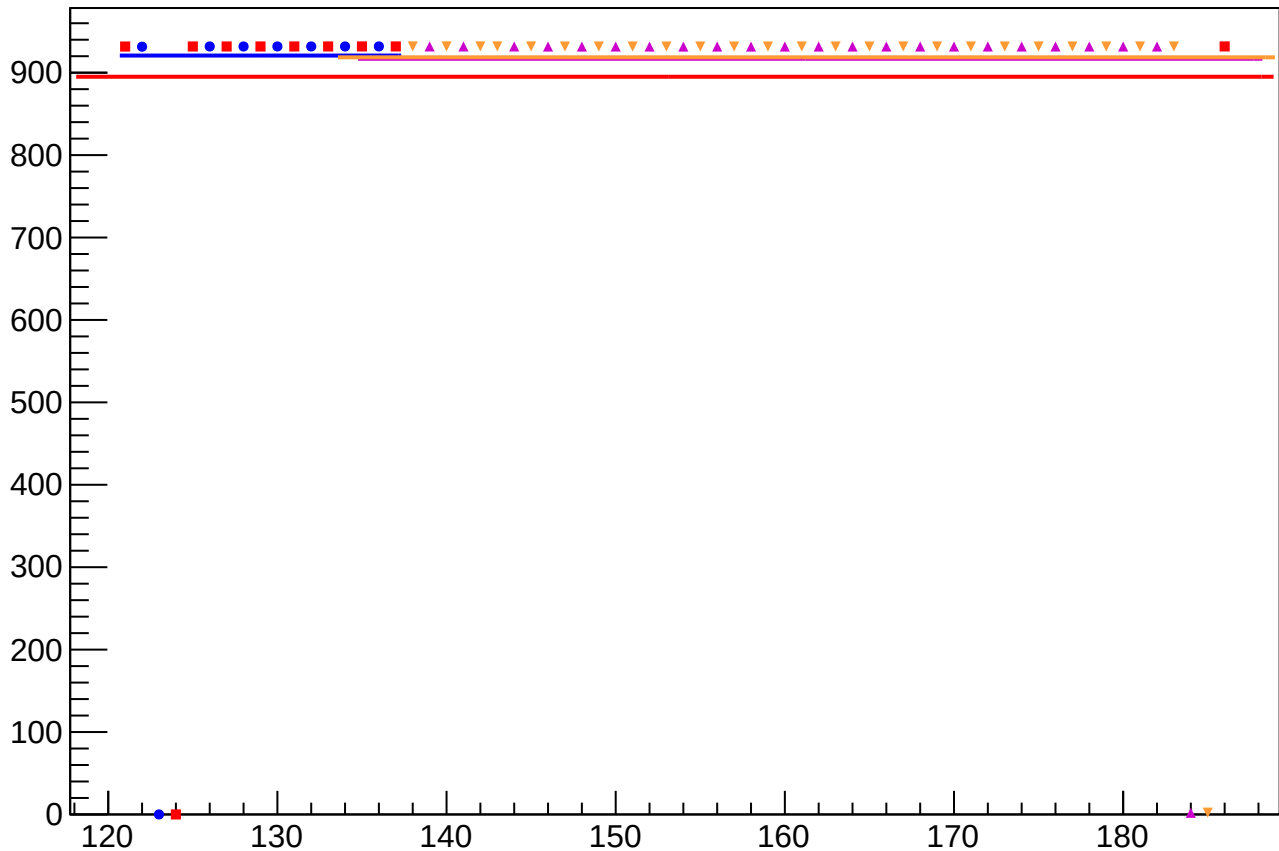
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/65

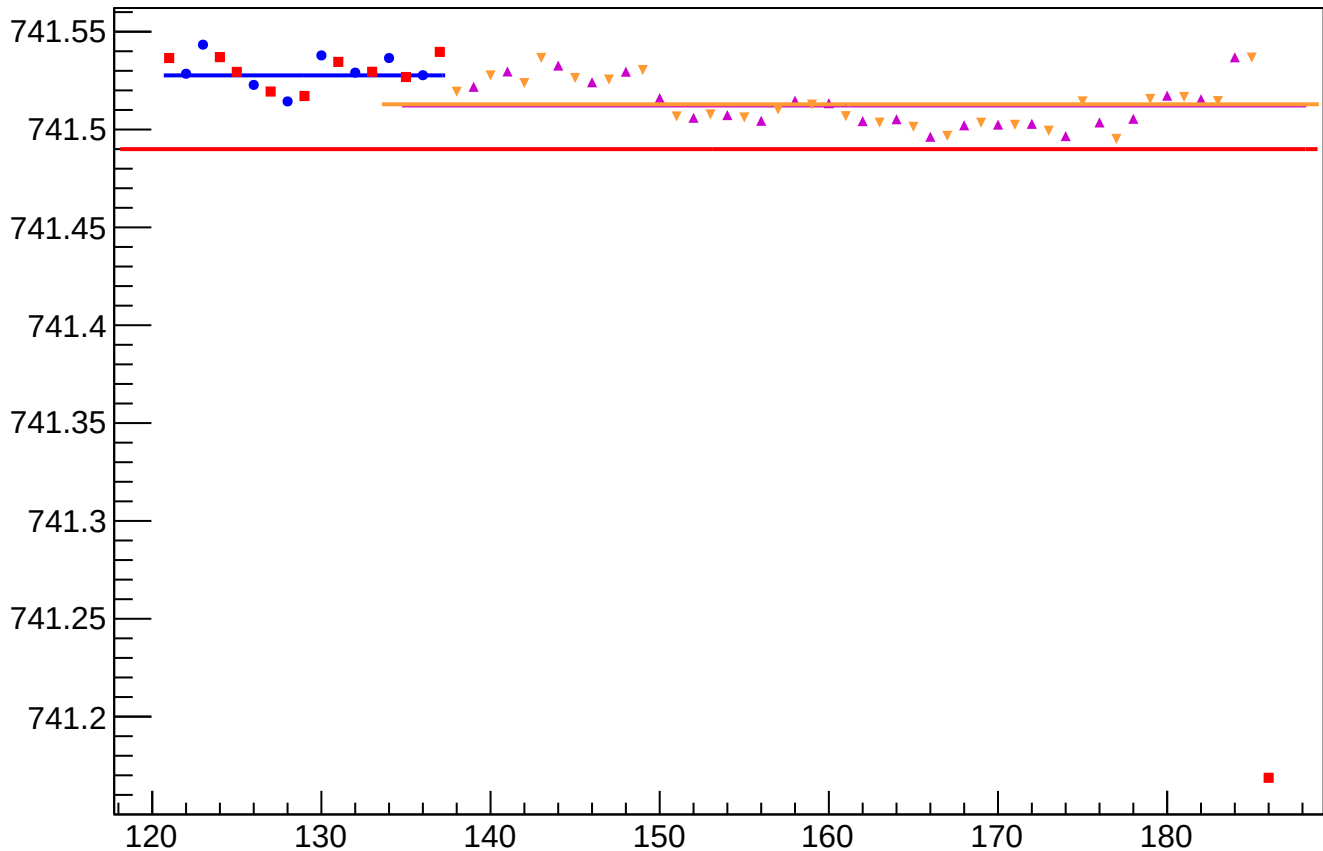
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.801+/-0.000 χ^2/NDF : 3431767977579138653856652958525030400.0/7
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 895.076+/-0.000 χ^2/NDF : 11675926731367361880524807293248733184.0/9
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22
 All: 916.195+/-0.000 χ^2/NDF : 629569461180
 + sign 918.970+/-0.000 χ^2/NDF : 264366057055463
 - sign 913.315+/-0.000 χ^2/NDF : 364850545361983

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528 ± 0.000 χ^2/NDF : 18410222451199973732634329088.0/7

Left Out: 741.513 ± 0.000 χ^2/NDF : 244782737401533731539808944128.0/24

Right Out: 741.490 ± 0.000 χ^2/NDF : 4408129519430321010793282273280.0/9

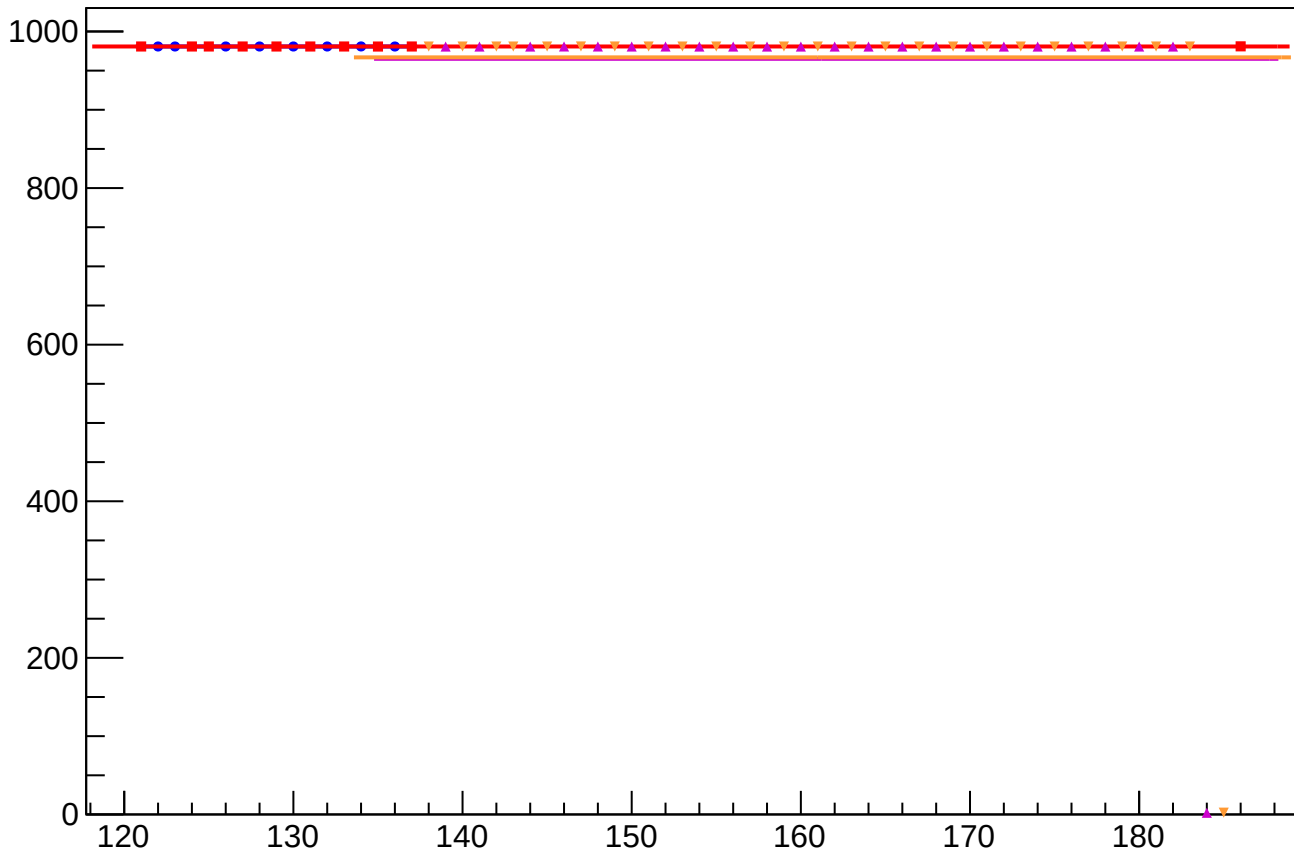
Left In: 741.512 ± 0.000 χ^2/NDF : 215375309108434607405602439168.0/22

+ sign 741.515 ± 0.000 χ^2/NDF : 326099735151563

All: 741.512 ± 0.000 χ^2/NDF : 514371001917

- sign 741.509 ± 0.000 χ^2/NDF : 477145031018245

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000

χ^2/NDF : 159096869175585744562040078336.0/7

Left Out: 966.936+/-0.000

χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.840+/-0.000

χ^2/NDF : 1545733700353009628695192666112.0/9

Left In: 965.102+/-0.000

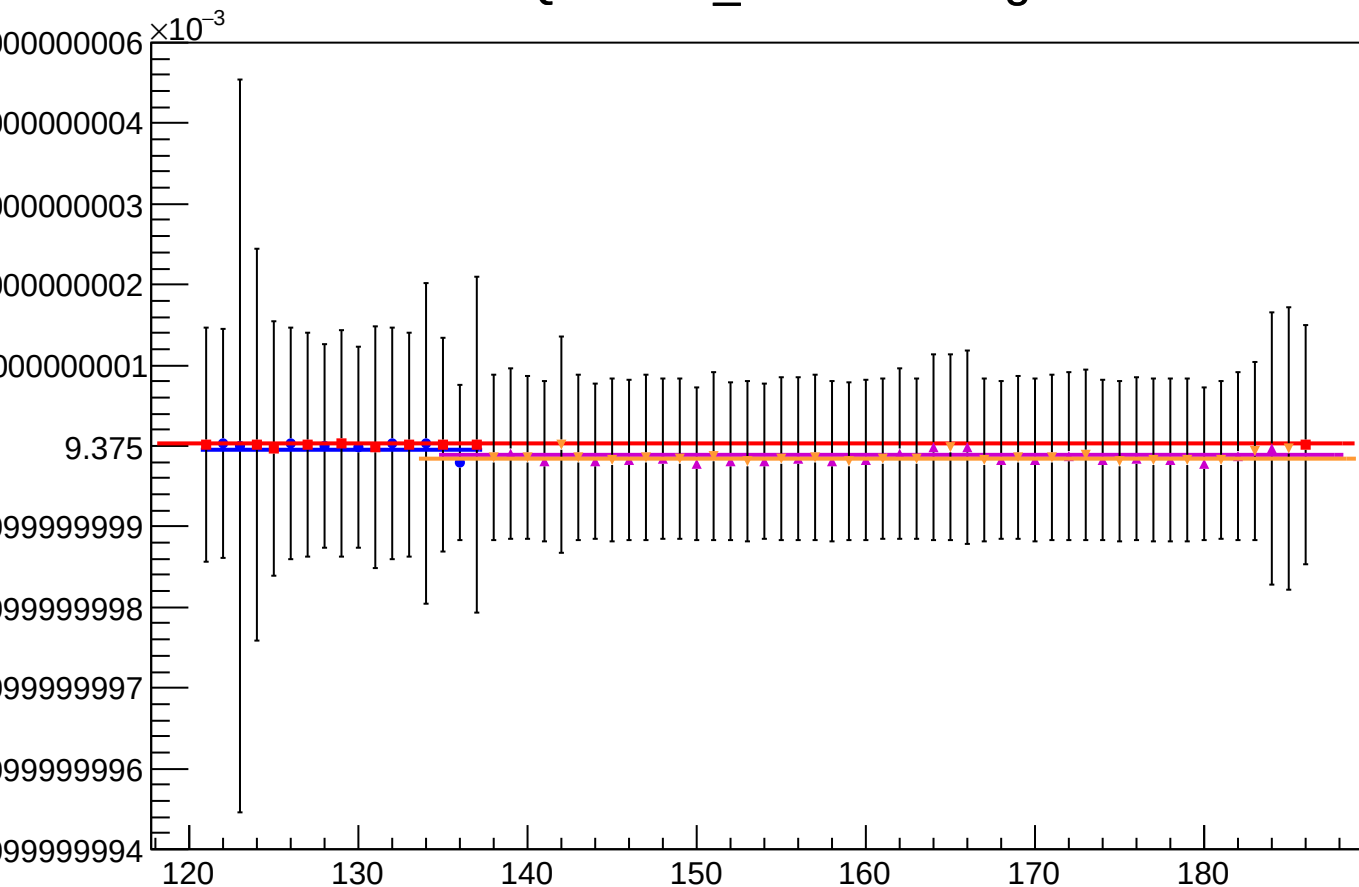
χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 969.030+/-0.000 χ^2/NDF : 255411190086935

All: 968.368+/-0.000 χ^2/NDF : 529469594616

- sign 967.681+/-0.000 χ^2/NDF : 274038352036378

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/9

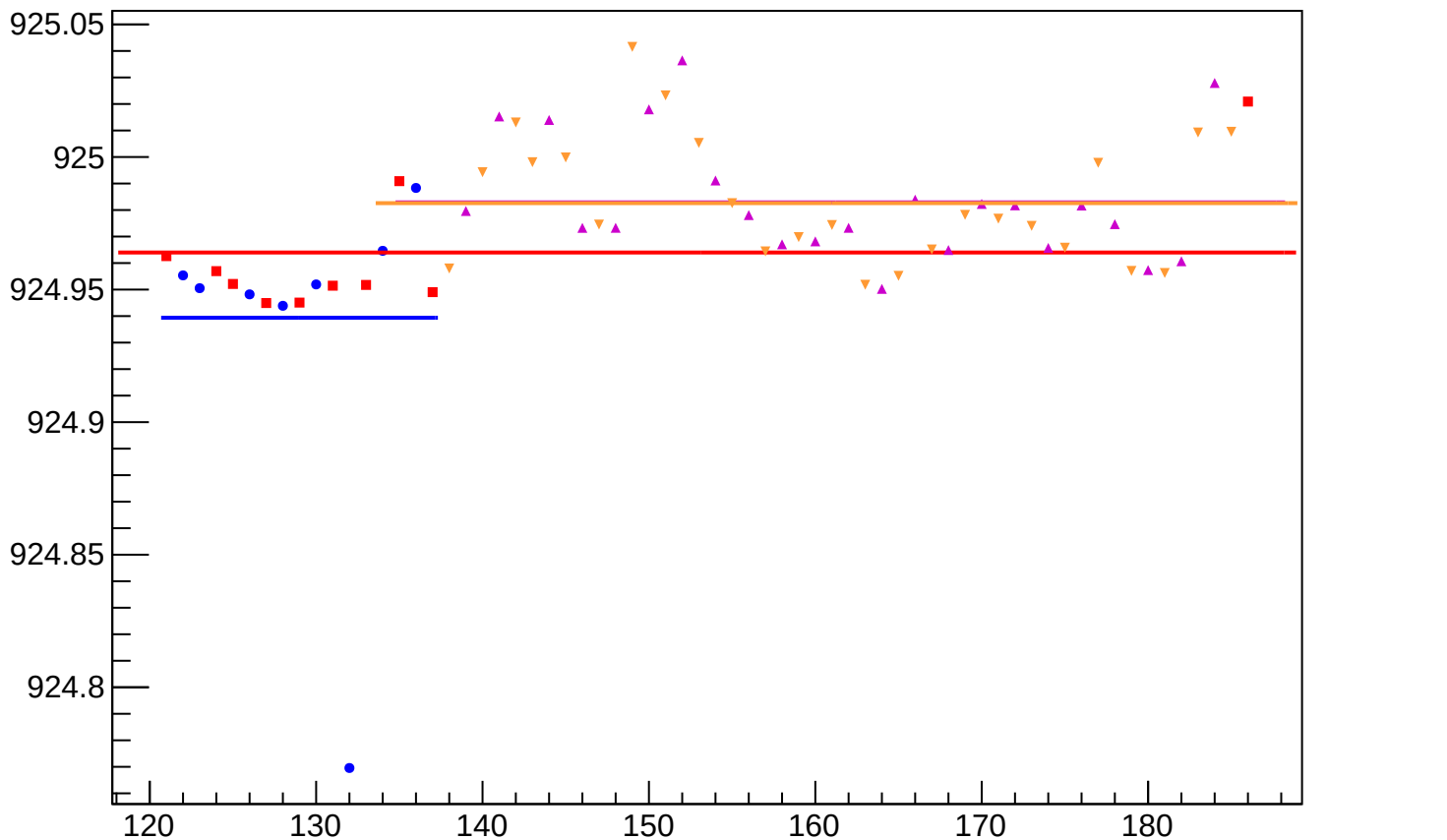
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/65

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

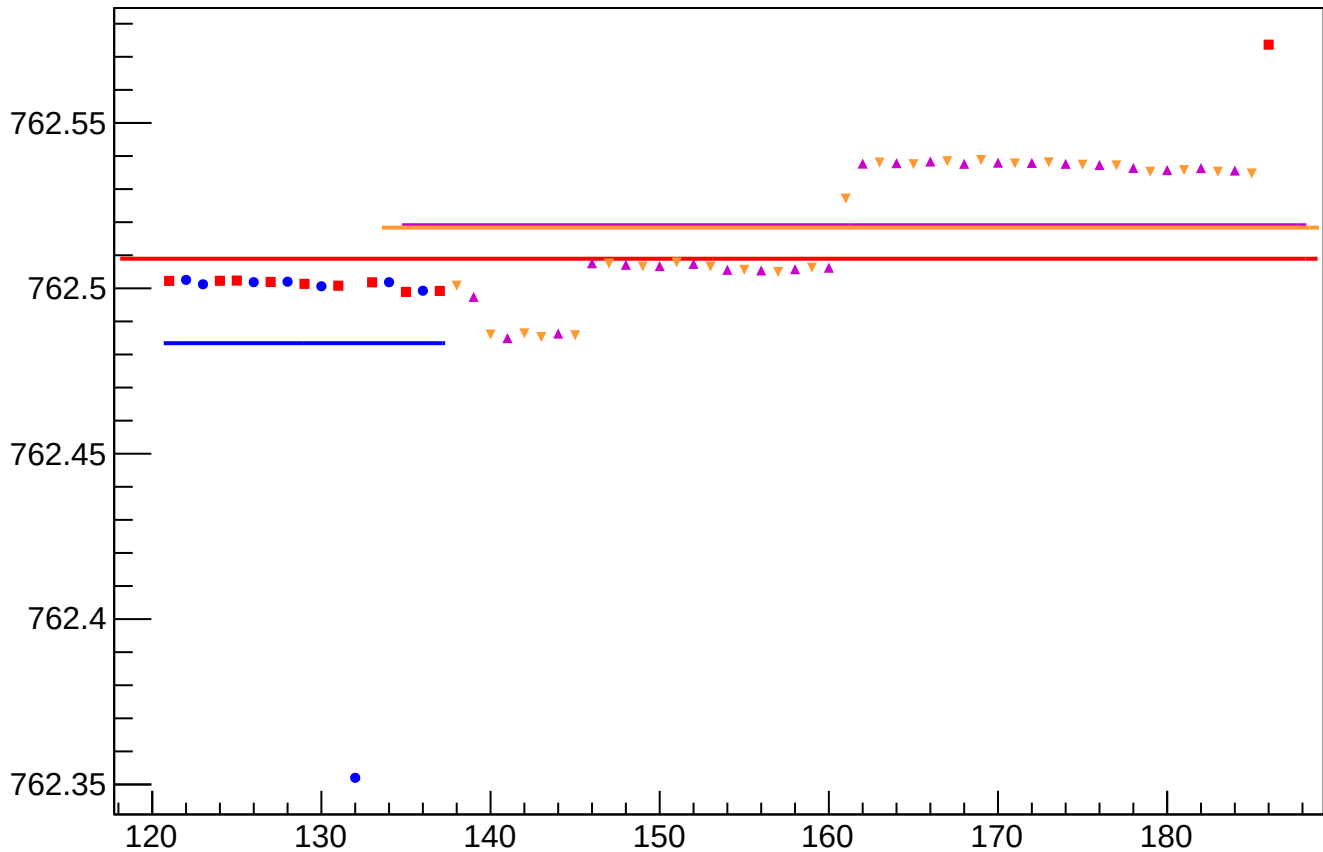
HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939 $\pm$ 0.000 χ^2 /NDF: 1401388477255469733232112566272.0/7
 Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1041831865443970524066476982272.0/24
 Right Out: 924.964 $\pm$ 0.000 χ^2 /NDF: 209678956766401229883231436800.0/9
 Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22

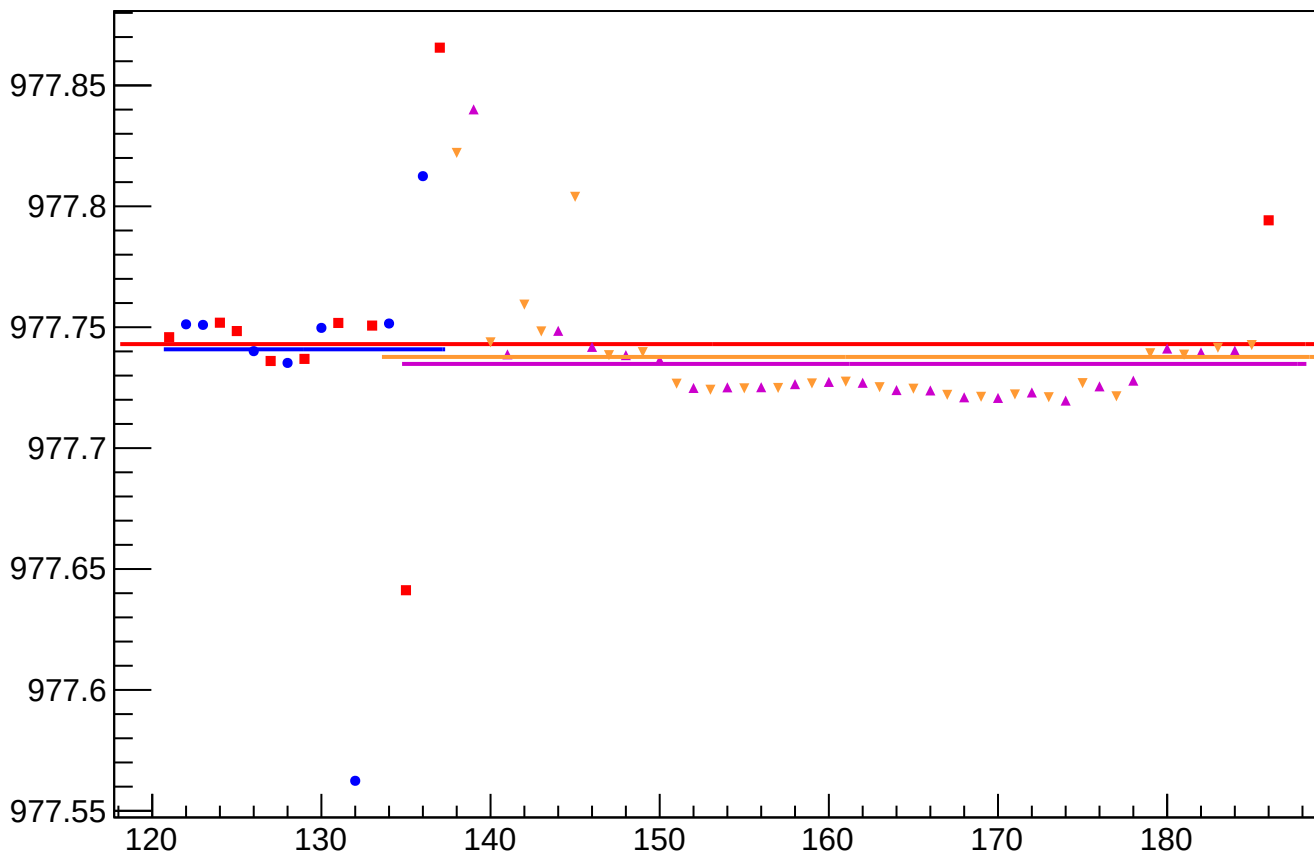
+ sign 924.976 $\pm$ 0.000 χ^2 /NDF: 298126734834667
 All: 924.978 $\pm$ 0.000 χ^2 /NDF: 420086820463
 - sign 924.980 $\pm$ 0.000 χ^2 /NDF: 120440918922759

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.483 $\pm$ 0.000 χ^2/NDF : 783456713793632421311688998912.0/7
 Left Out: 762.518 $\pm$ 0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 762.509 $\pm$ 0.000 χ^2/NDF : 178678150568968810217189933056.0/9
 Left In: 762.519 $\pm$ 0.000 χ^2/NDF : 629058355419214408155297480704.0/22

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741 ± 0.000 $\chi^2/\text{NDF}: 1738037233029946574744730992640.0/7$

Left Out: 977.738 ± 0.000 $\chi^2/\text{NDF}: 1154150409979077132991401558016.0/24$

Right Out: 977.743 ± 0.000 $\chi^2/\text{NDF}: 88349385928277767537323016192.0/9$

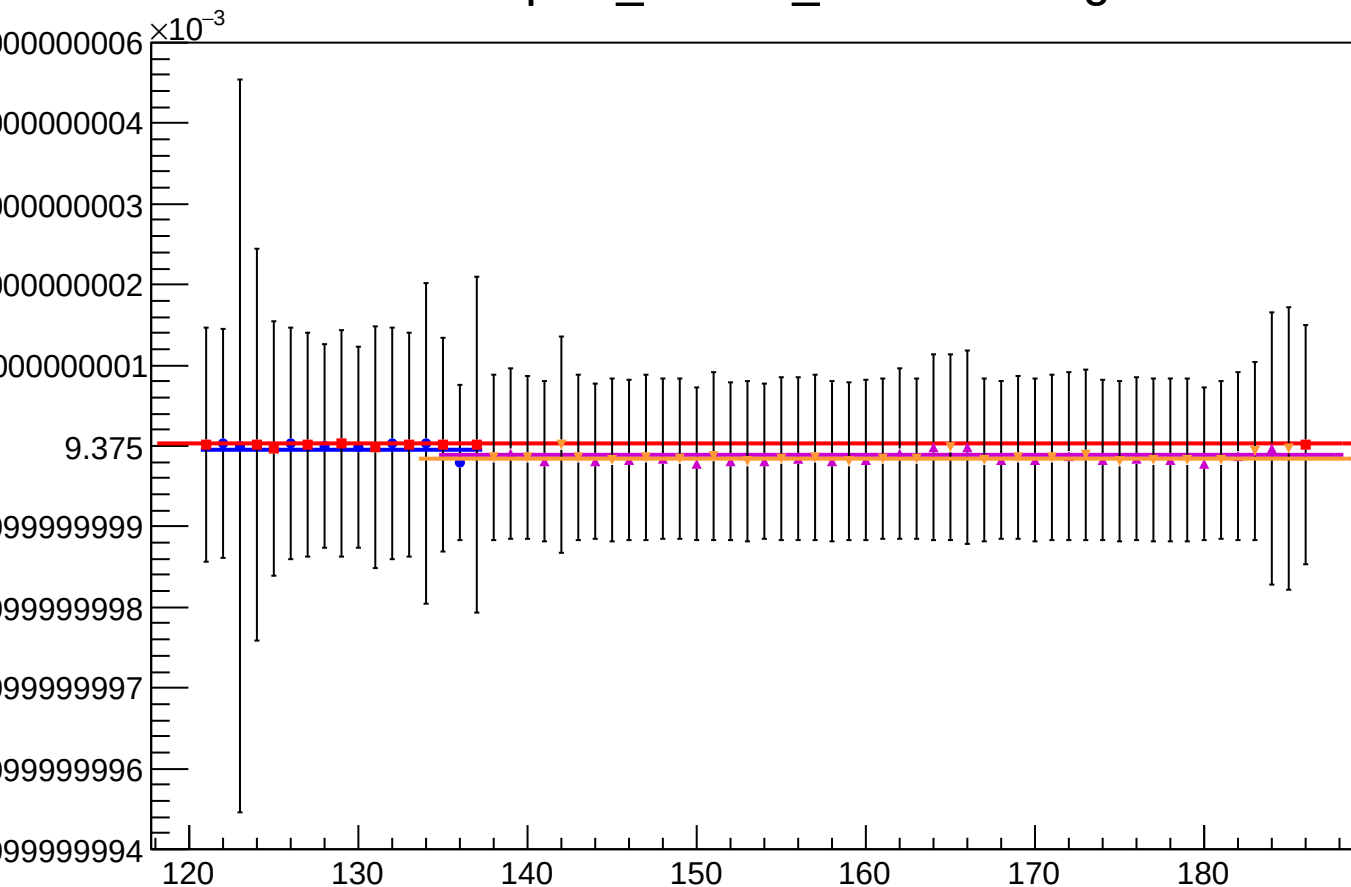
Left In: 977.735 ± 0.000 $\chi^2/\text{NDF}: 976503887937607318263199432704.0/22$

+ sign 977.738 ± 0.000 $\chi^2/\text{NDF}: 289504520251439$

All: 977.737 ± 0.000 $\chi^2/\text{NDF}: 477948113223$

- sign 977.736 ± 0.000 $\chi^2/\text{NDF}: 187993236353642$

hesDipole_current_mean vs Slug



Right In: 0.009 ± 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 ± 0.000 χ^2/NDF : 0.1/24

Right Out: 0.009 ± 0.000 χ^2/NDF : 0.0/9

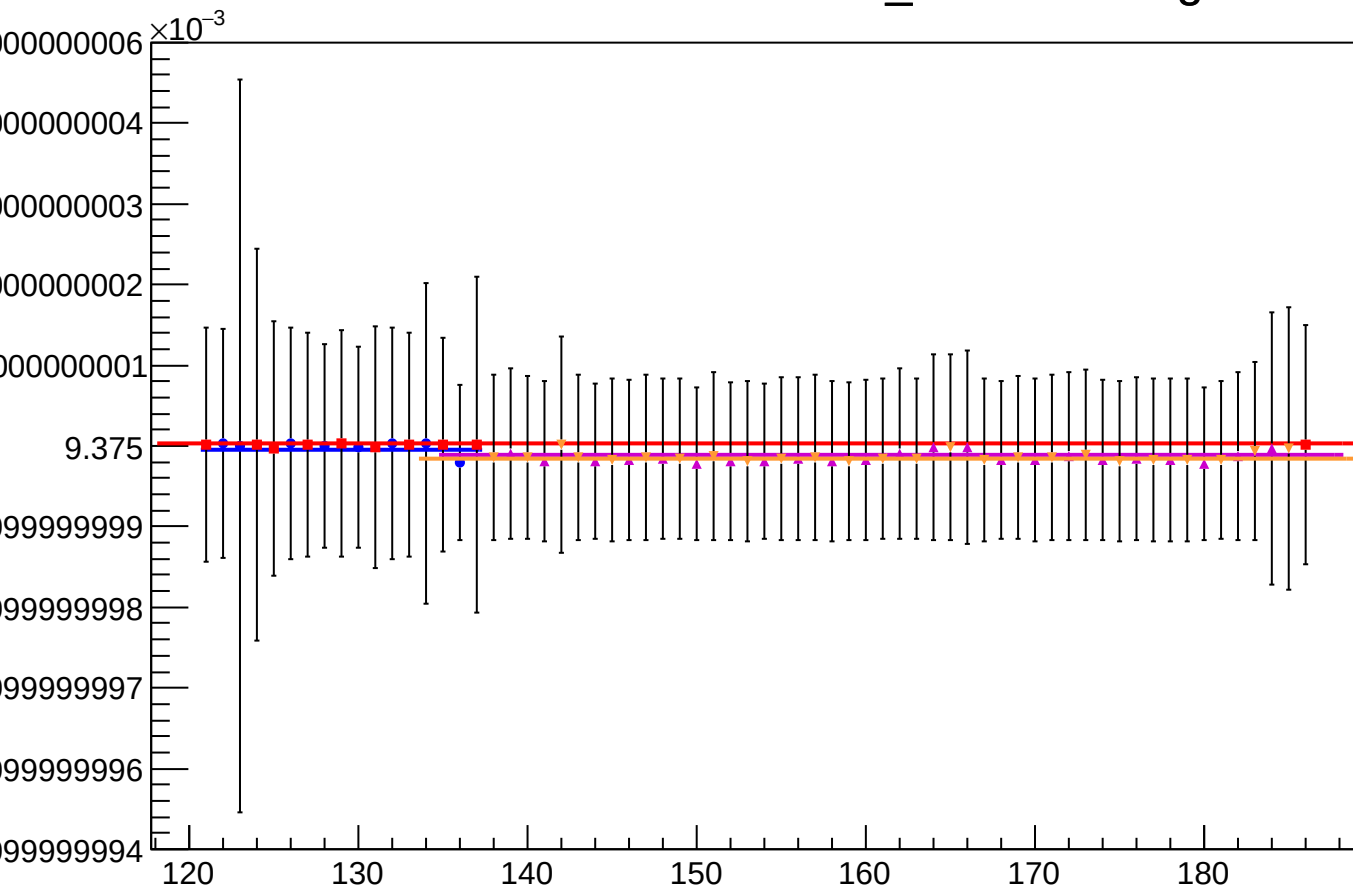
Left In: 0.009 ± 0.000 χ^2/NDF : 0.1/22

+ sign 0.009 ± 0.000 χ^2/NDF : 0.2/32

All: 0.009 ± 0.000 χ^2/NDF : 0.4/65

- sign 0.009 ± 0.000 χ^2/NDF : 0.2/32

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/9

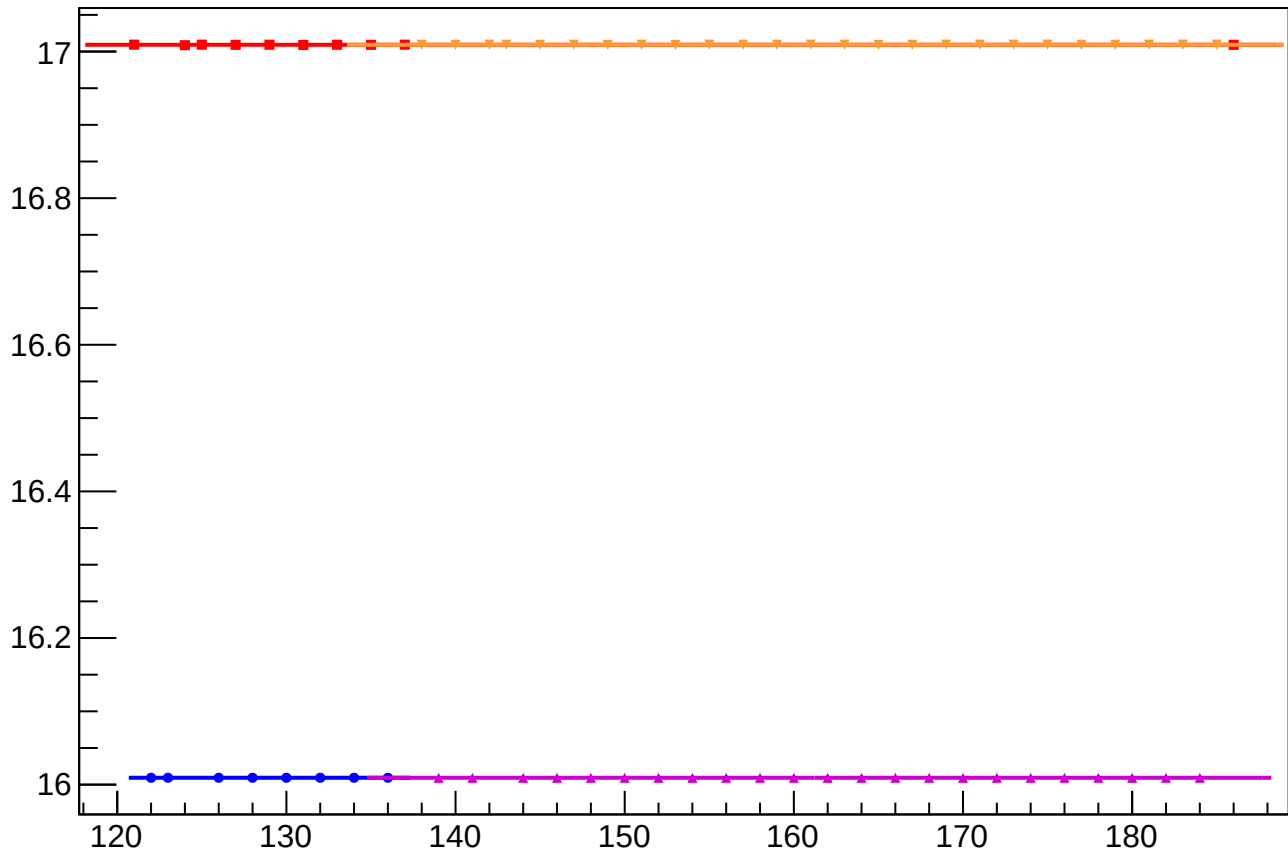
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/65

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 27843.6/7

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 26284444608576238643052544.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 8483717668631655053524992.0/9

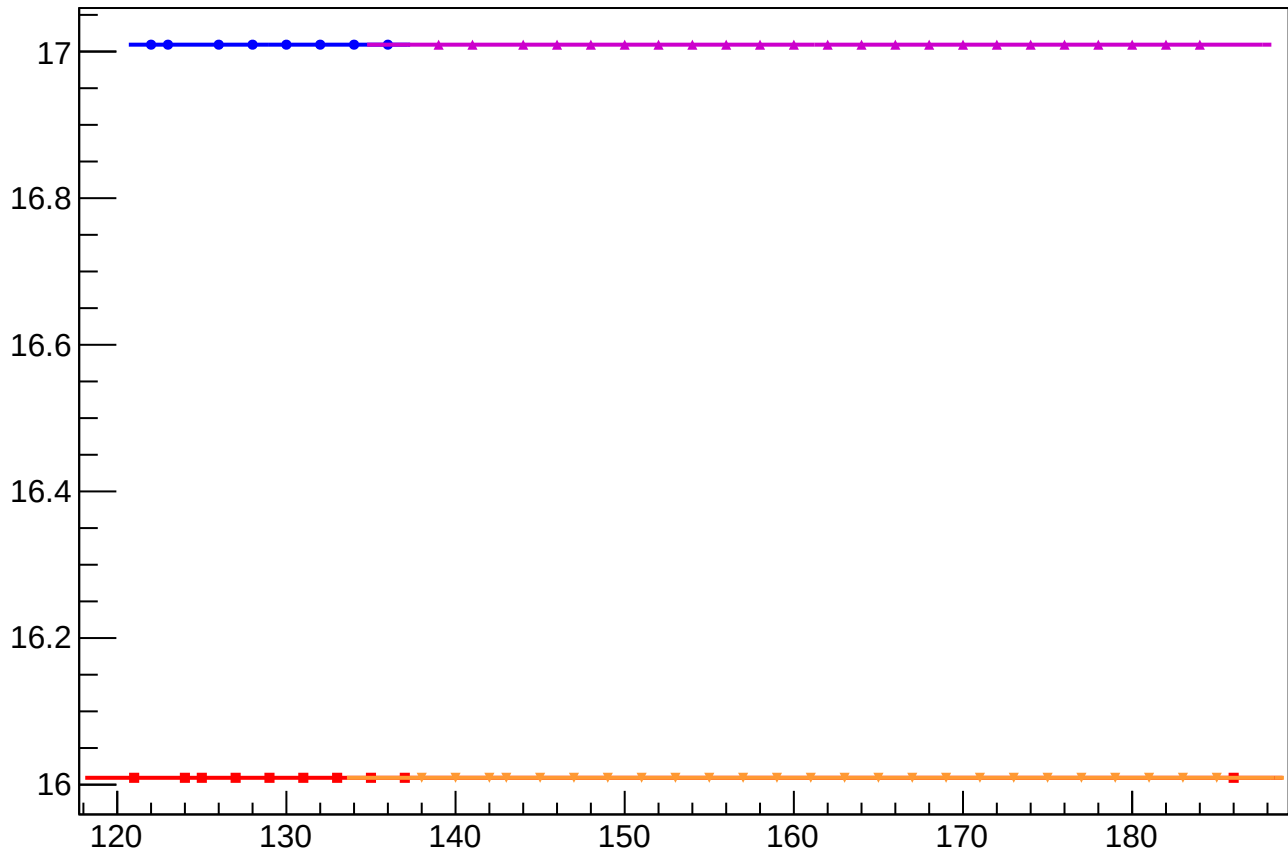
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 127973174512756677672960.0/22

+ sign 16.859 $\pm$ 0.000 χ^2/NDF : 2660219224144838

All: 16.524 $\pm$ 0.000 χ^2/NDF : 1026421070227

- sign 16.177 $\pm$ 0.000 χ^2/NDF : 2820851171537994

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 82003.7/7

Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24

Right Out: 16.009+/-0.000 χ^2/NDF : 18276.3/9

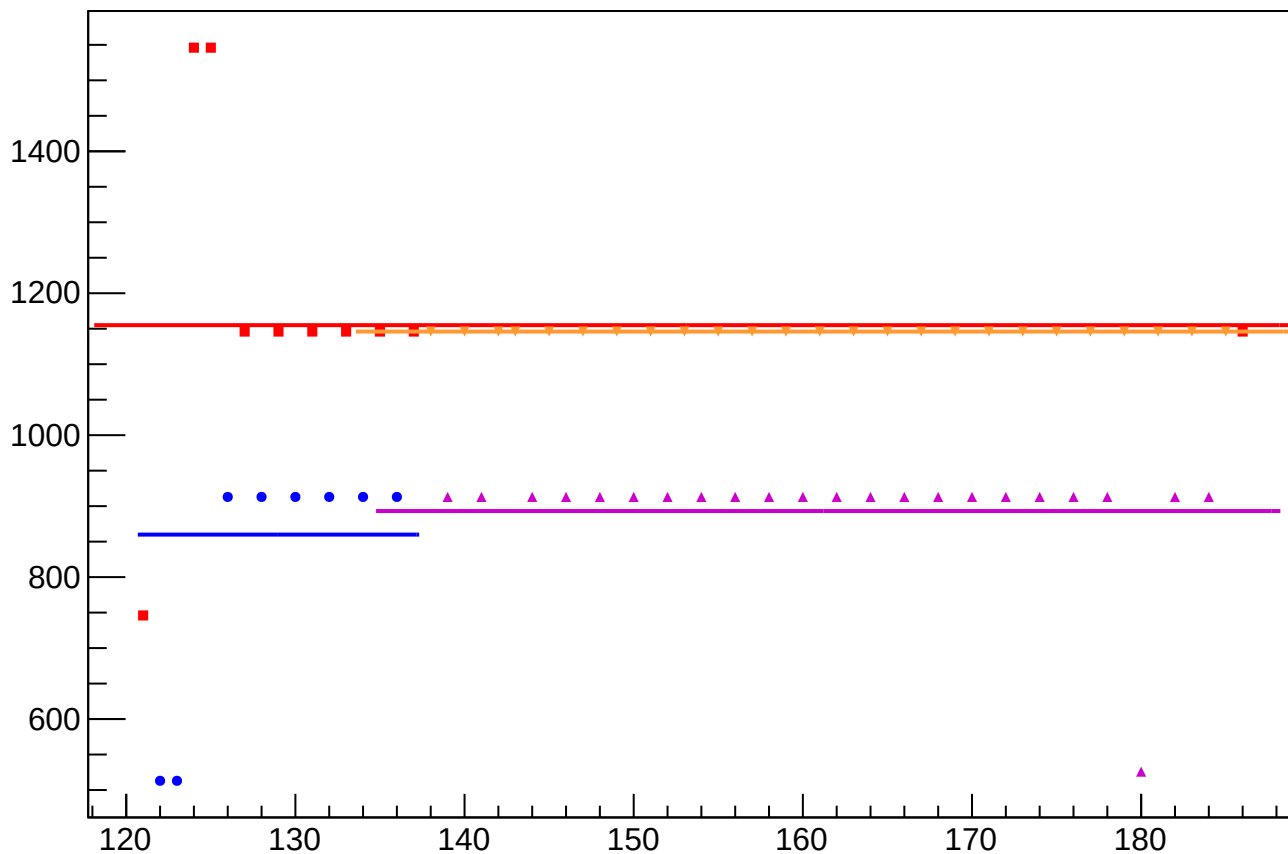
Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

+ sign 16.162+/-0.000 χ^2/NDF : 2873501123595465

All: 16.494+/-0.000 χ^2/NDF : 1085432810461

- sign 16.842+/-0.000 χ^2/NDF : 2955812265421467

RTPAPOSUCNT_mean vs Slug



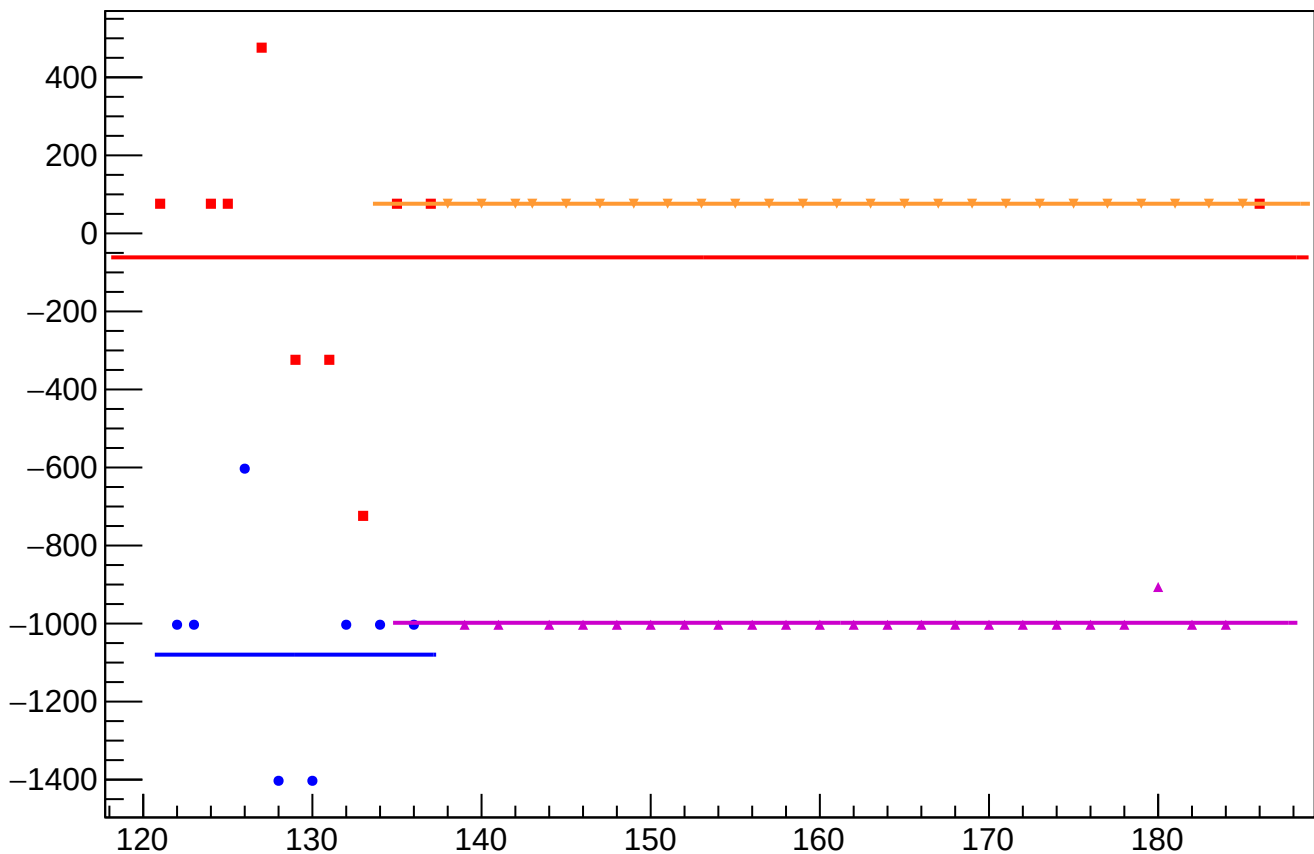
Right In: 859.895+/-0.000 χ^2/NDF : 6244310211396691746388505873258381312.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

Right Out: 1155.024+/-0.000 χ^2/NDF : 13731821965068823961882039392053231616.0/9

Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1079.685+/-0.000 χ^2/NDF : 21205581541739378673536668219320827904.0/7
 Left Out: 76.011+/-0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: -61.455+/-0.000 χ^2/NDF : 40331405056708569824943484777946677248.0/9
 Left In: -998.020+/-0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22