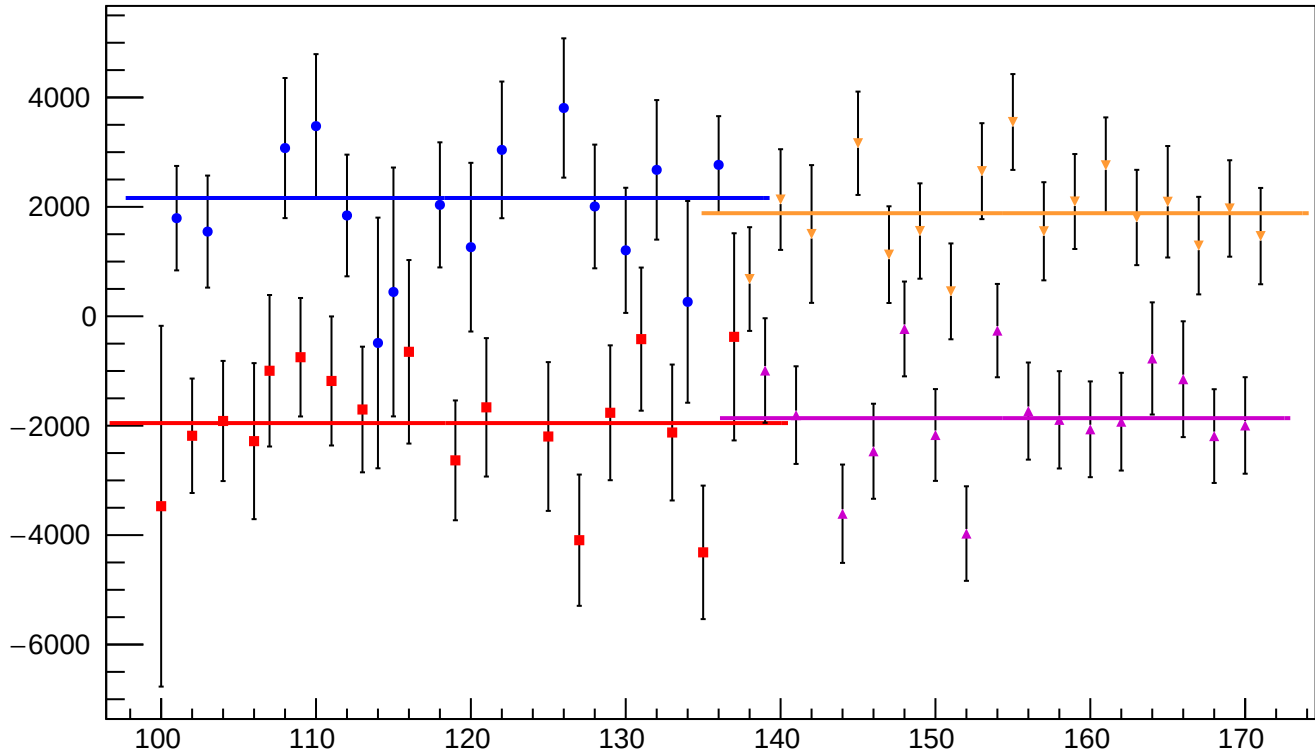


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1884.207+/-220.651

χ^2/NDF : 13.5/16

Right Out: -1952.148+/-300.581

χ^2/NDF : 12.6/17

Left In: -1861.976+/-223.832

χ^2/NDF : 20.1/15

+ sign 1978.808+/-179.235

χ^2/NDF : 22.9/32

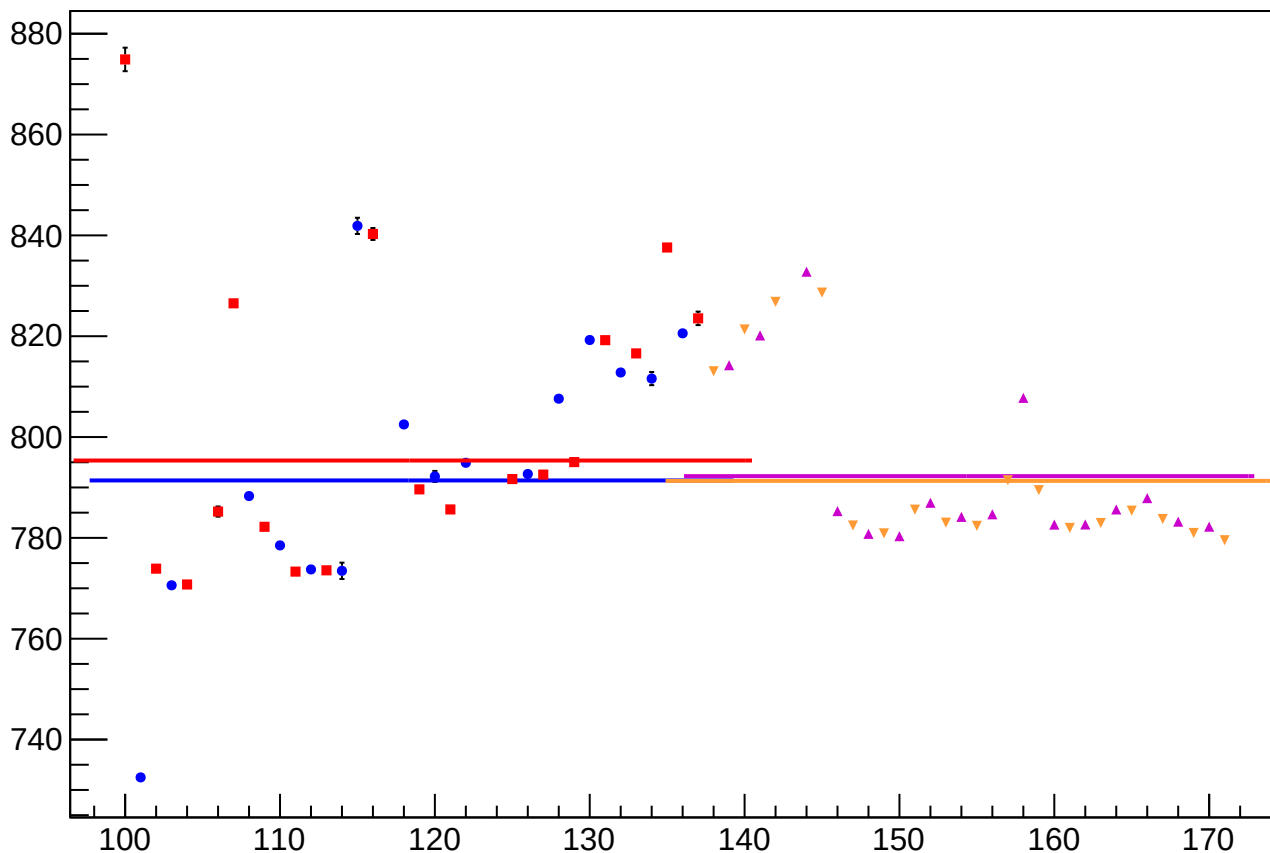
All: 45.456+/-126.841

χ^2/NDF : 288.8/66

- sign -1894.142+/-179.524

χ^2/NDF : 32.8/33

reg_asym_us_avg_rms vs Slug



Right In: 791.390+/-0.217 χ^2/NDF : 15008.3/15

Left Out: 791.301+/-0.156 χ^2/NDF : 10118.6/16

Right Out: 795.345+/-0.213 χ^2/NDF : 11559.8/17

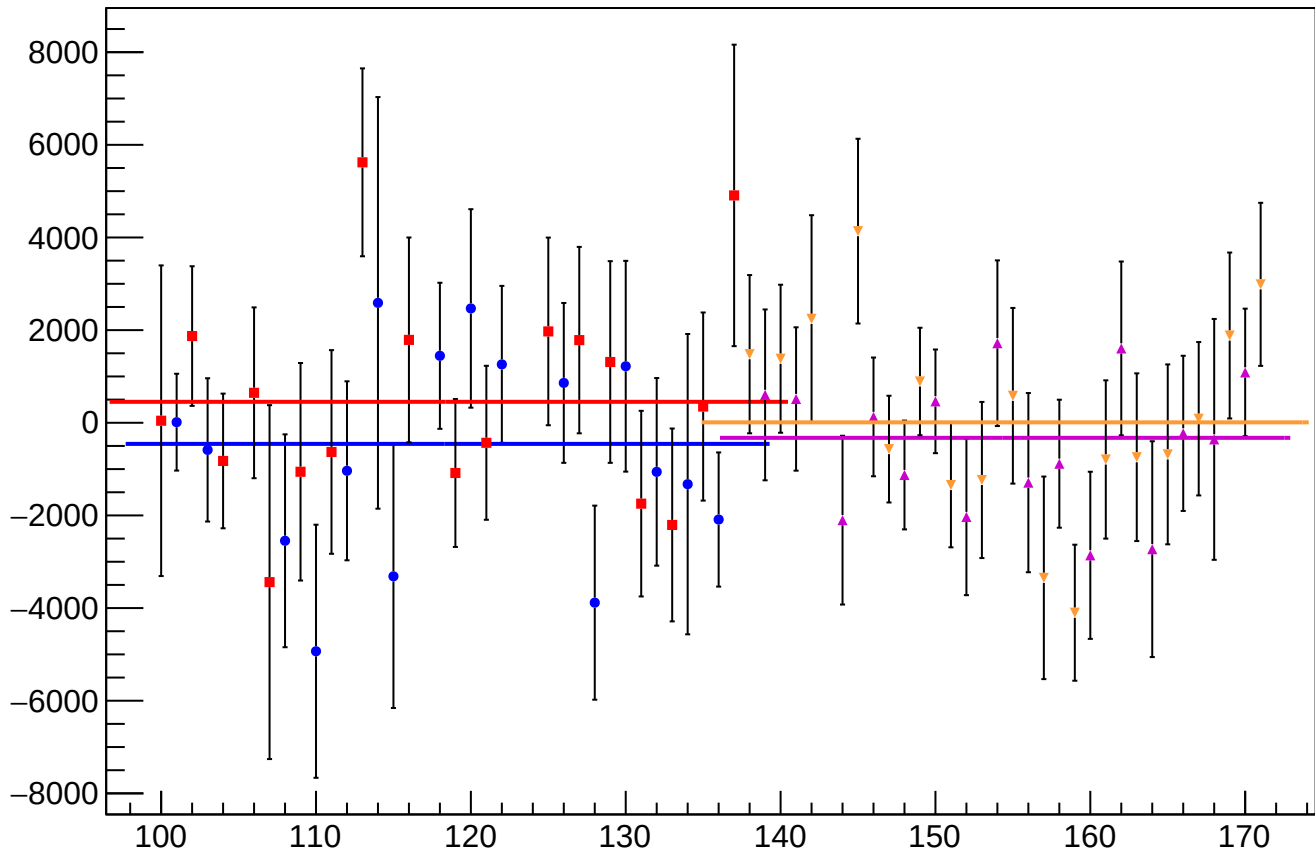
Left In: 792.245+/-0.158 χ^2/NDF : 10043.0/15

+ sign 791.332+/-0.127 χ^2/NDF : 25126.9/32

All: 792.339+/-0.090 χ^2/NDF : 46993.2/66

- sign 793.350+/-0.127 χ^2/NDF : 21739.7/33

asym_us_avg_correction_mean vs Slug



Right In: -455.675+/-464.232 χ^2/NDF : 14.9/15

Left Out: 9.299+/-393.705 χ^2/NDF : 23.9/16

Right Out: 452.644+/-472.760 χ^2/NDF : 17.3/17

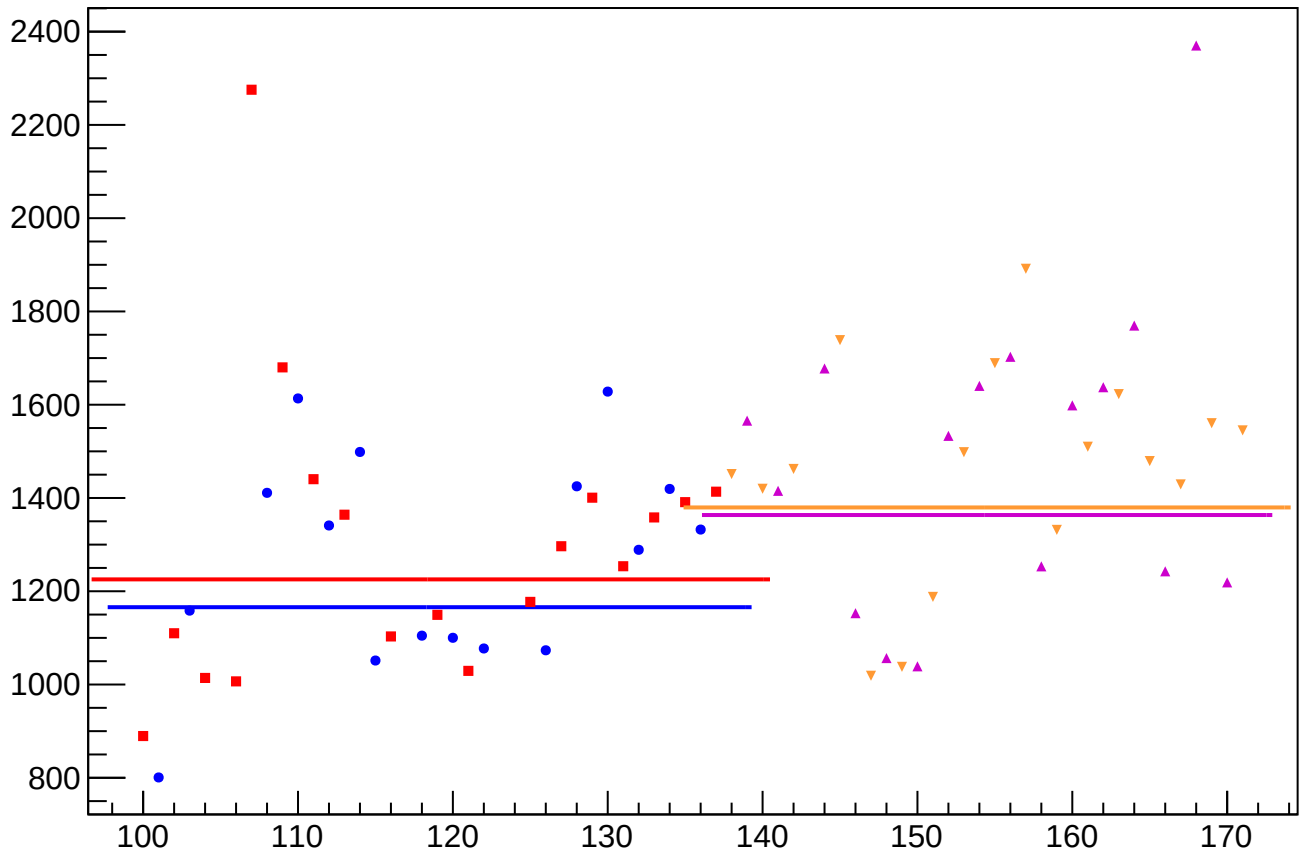
Left In: -325.031+/-395.040 χ^2/NDF : 10.5/15

+ sign -185.221+/-300.264 χ^2/NDF : 39.4/32

All: -96.112+/-213.328 χ^2/NDF : 68.9/66

- sign -5.288+/-303.139 χ^2/NDF : 29.4/33

asym_us_avg_correction_rms vs Slug



Right In: 1165.812 $\pm$ 0.328 χ^2 /NDF: 526801.3/15

Left Out: 1379.712 $\pm$ 0.278 χ^2 /NDF: 750509.7/16

Right Out: 1225.448 $\pm$ 0.334 χ^2 /NDF: 440420.8/17

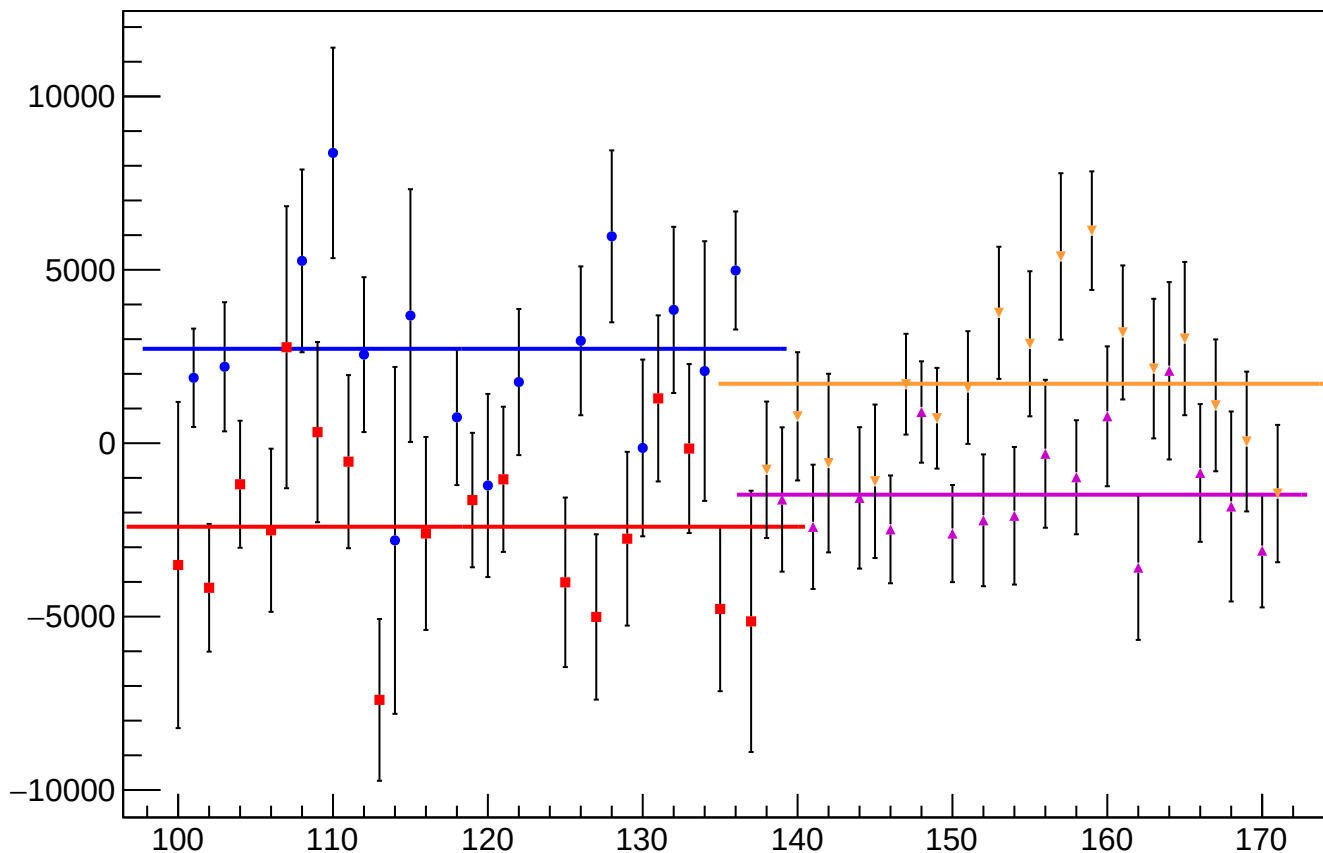
Left In: 1363.464 $\pm$ 0.279 χ^2 /NDF: 1056470.2/15

+ sign 1290.228 $\pm$ 0.212 χ^2 /NDF: 1524283.0/32

All: 1298.395 $\pm$ 0.151 χ^2 /NDF: 3124532.4/66

- sign 1306.718 $\pm$ 0.214 χ^2 /NDF: 1597261.8/33

asym_us_avg_mean vs Slug



Right In: 2722.309 $\pm$ 567.154 χ^2 /NDF: 14.6/15

Left Out: 1714.763 $\pm$ 458.870 χ^2 /NDF:19.5/16

Right Out: -2408.446 $\pm$ 568.977 χ^2 /NDF: 16.3/17

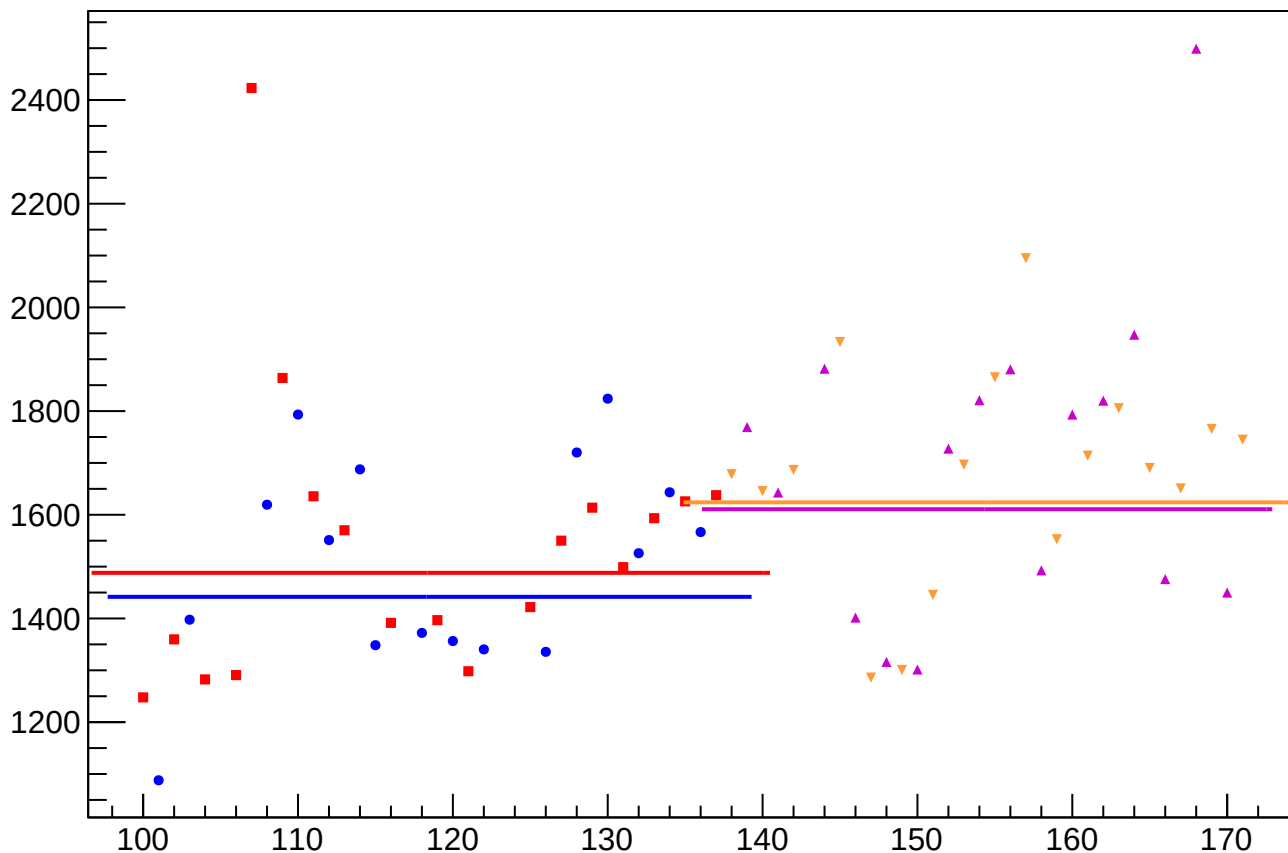
Left In: -1484.199 $\pm$ 462.035 χ^2 /NDF:10.0/15

+ sign 2113.373 $\pm$ 356.732 χ^2 /NDF: 36.0/32

All: 141.697 $\pm$ 252.931 χ^2 /NDF: 125.2/66

- sign -1851.476 $\pm$ 358.672 χ^2 /NDF: 27.8/33

asym_us_avg_rms vs Slug



Right In: 1441.720+/-0.401 χ^2/NDF : 275902.8/15

Left Out: 1623.968+/-0.324 χ^2/NDF : 423733.5/16

Right Out: 1488.026+/-0.402 χ^2/NDF : 256140.4/17

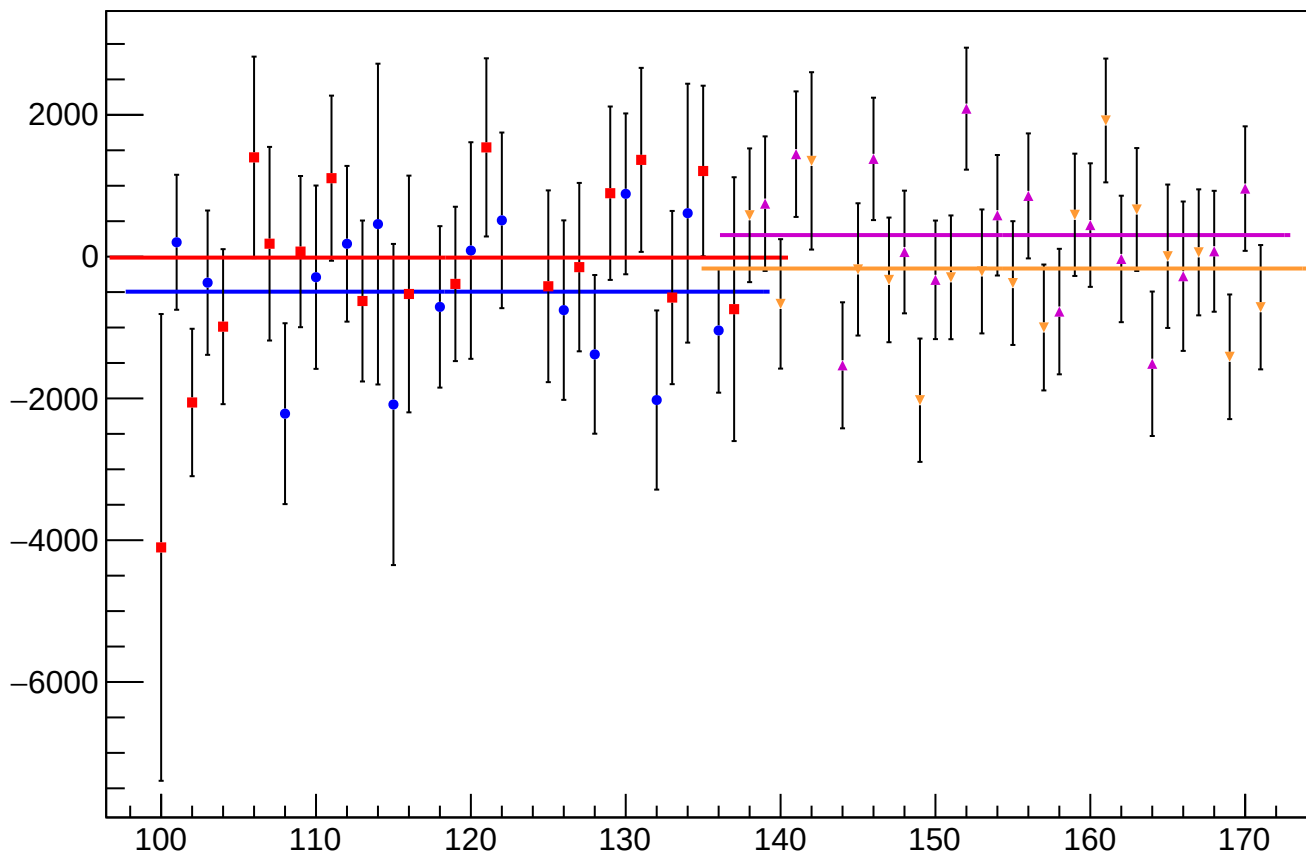
Left In: 1610.719+/-0.327 χ^2/NDF : 644745.4/15

+ sign 1551.866+/-0.252 χ^2/NDF : 824449.3/32

All: 1556.887+/-0.179 χ^2/NDF : 1782175.8/60

- sign 1561.963+/-0.254 χ^2/NDF : 956929.8/33

reg_asym_us_dd_mean vs Slug



Right In: -494.223+/-304.644 χ^2/NDF : 8.7/15

Left Out: -167.538+/-219.518 χ^2/NDF : 17.9/16

Right Out: -13.512+/-297.736 χ^2/NDF : 13.4/17

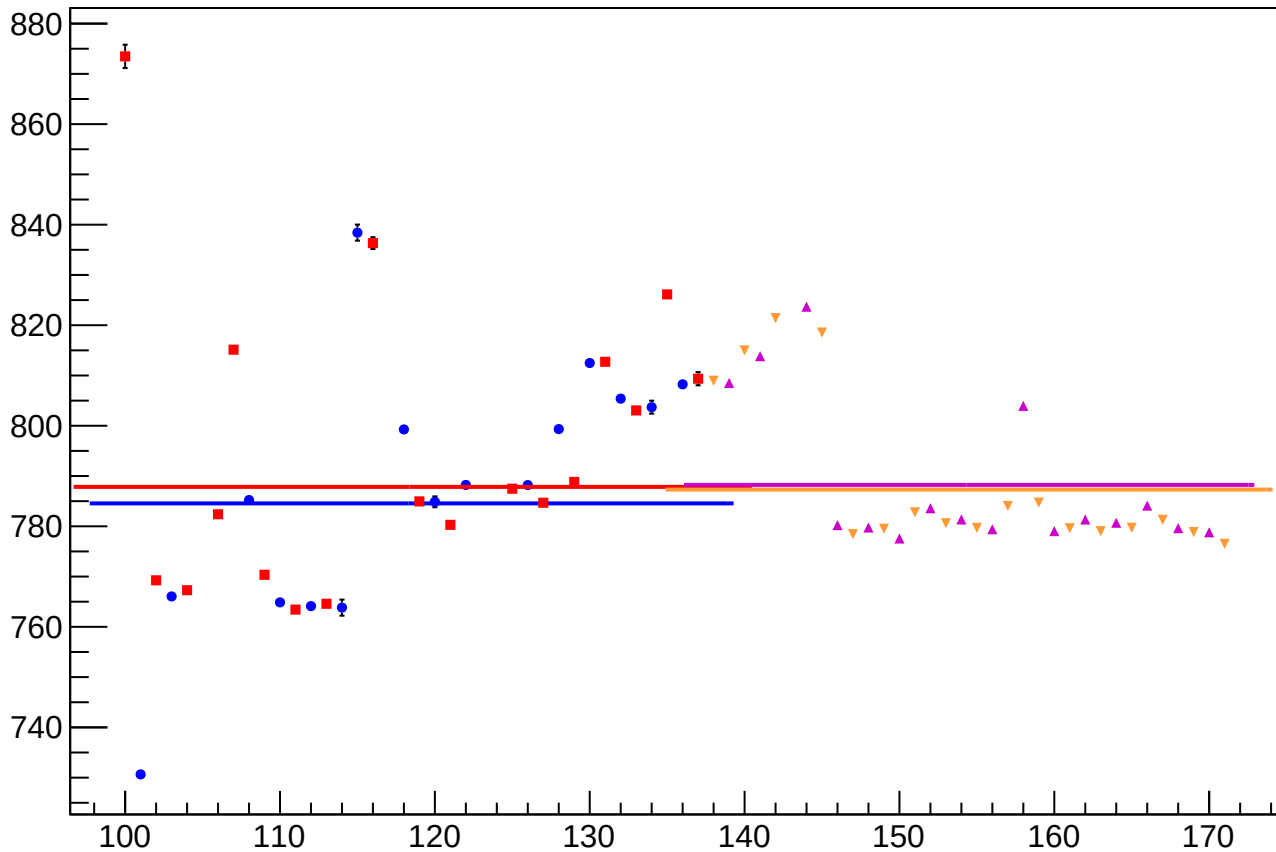
Left In: 304.132+/-222.688 χ^2/NDF : 18.9/15

+ sign -279.189+/-178.098 χ^2/NDF : 27.3/32

All: -44.804+/-126.015 χ^2/NDF : 63.7/66

- sign 190.183+/-178.327 χ^2/NDF : 33.0/33

reg_asym_us_dd_rms vs Slug



Right In: 784.558 ± 0.215 χ^2/NDF : 13677.7/15

Left Out: 787.306 ± 0.155 χ^2/NDF : 8384.3/16

Right Out: 787.844 ± 0.211 χ^2/NDF : 10909.0/17

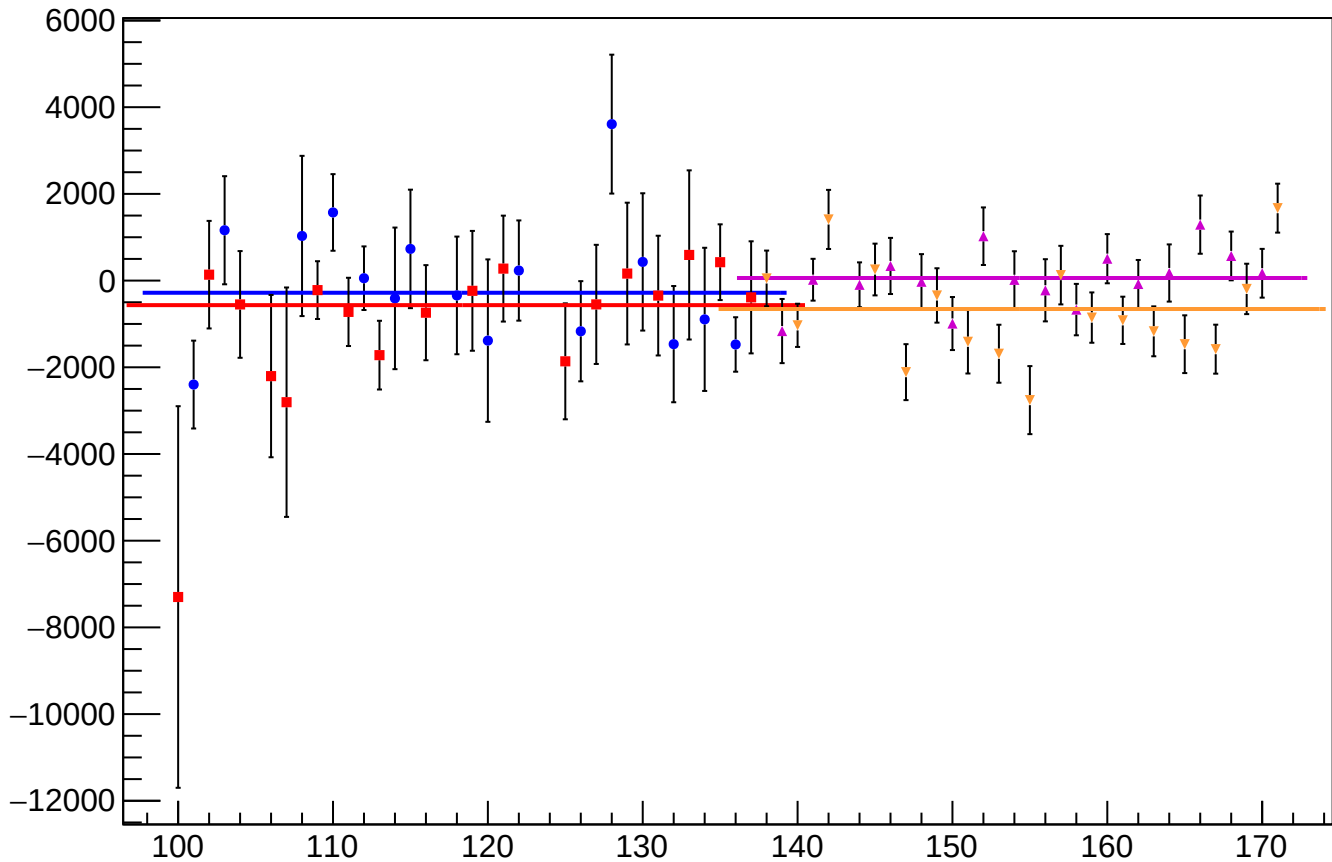
Left In: 788.233 ± 0.157 χ^2/NDF : 8391.7/15

+ sign 786.367 ± 0.126 χ^2/NDF : 22169.2/32

All: 787.229 ± 0.089 χ^2/NDF : 41565.9/66

- sign 788.093 ± 0.126 χ^2/NDF : 19302.9/33

asym_us_dd_correction_mean vs Slug



Right In: -280.632 ± 282.501 χ^2/NDF : 23.1/15

Left Out: -655.385 ± 148.898 χ^2/NDF : 53.5/16

Right Out: -566.224 ± 272.883 χ^2/NDF : 9.9/17

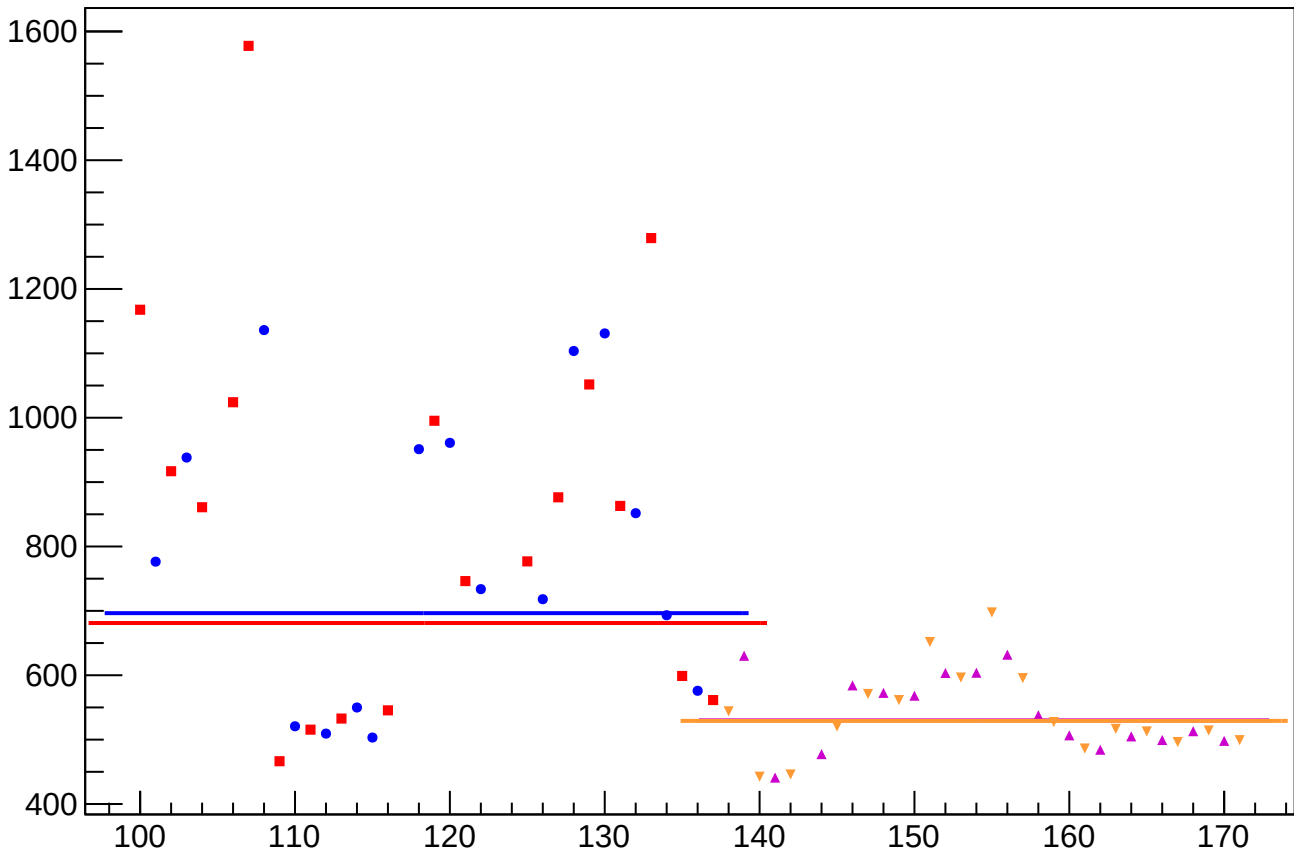
Left In: 59.740 ± 150.848 χ^2/NDF : 14.7/15

+ sign -573.911 ± 131.721 χ^2/NDF : 78.0/32

All: -330.892 ± 93.246 χ^2/NDF : 113.5/66

- sign -86.772 ± 132.020 χ^2/NDF : 28.7/33

asym_us_dd_correction_rms vs Slug



Right In: 696.462+/-0.200 χ^2/NDF : 959490.0/15

Left Out: 529.101+/-0.105 χ^2/NDF : 321554.5/16

Right Out: 681.127+/-0.193 χ^2/NDF : 1352555.6/17

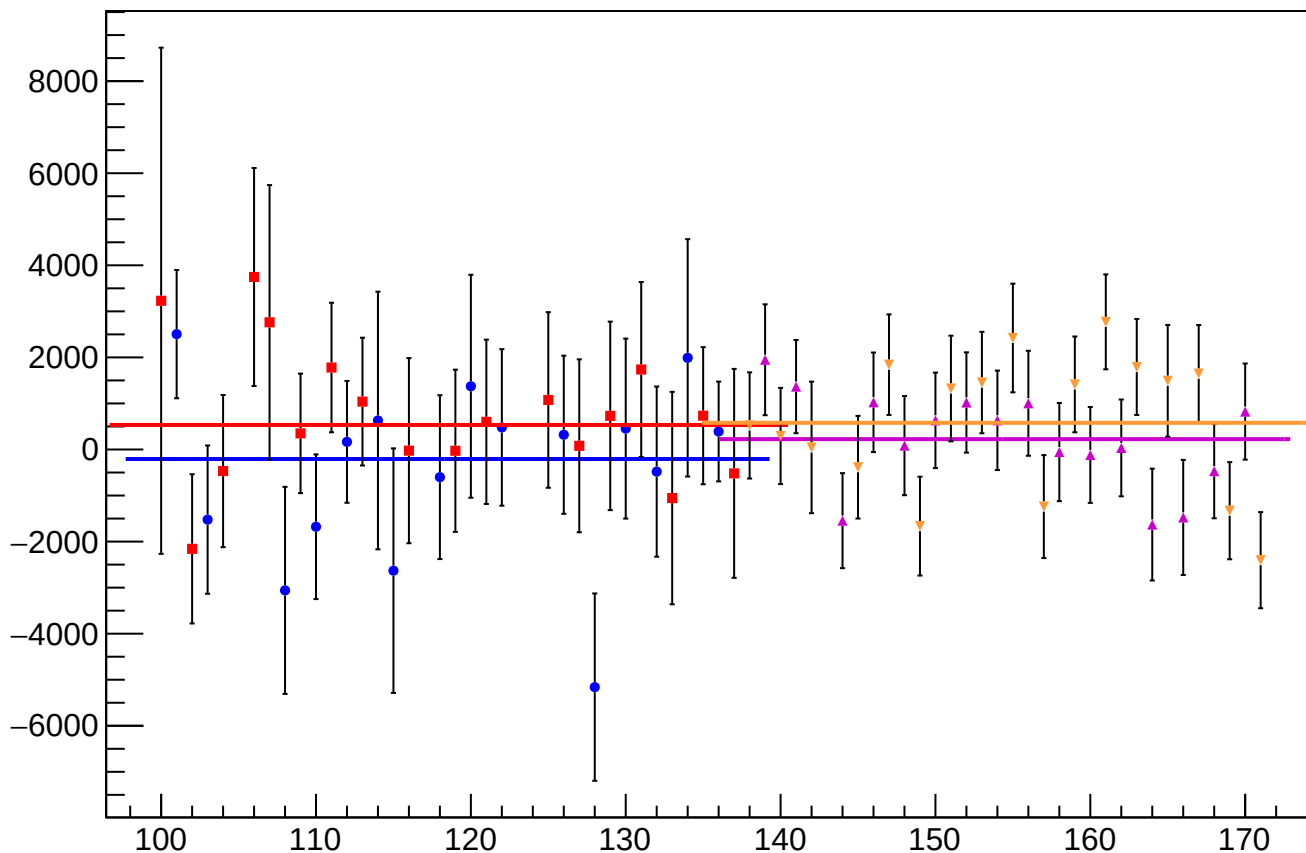
Left In: 529.960+/-0.107 χ^2/NDF : 278809.8/15

+ sign 565.487+/-0.093 χ^2/NDF : 1830373.4/32

All: 565.414+/-0.066 χ^2/NDF : 3931833.7/66

- sign 565.342+/-0.093 χ^2/NDF : 2101459.2/33

asym_us_dd_mean vs Slug



Right In: -206.385+/-433.774 χ^2/NDF : 15.8/15

Left Out: 579.799+/-267.693 χ^2/NDF : 32.4/16

Right Out: 532.837+/-427.128 χ^2/NDF : 8.1/17

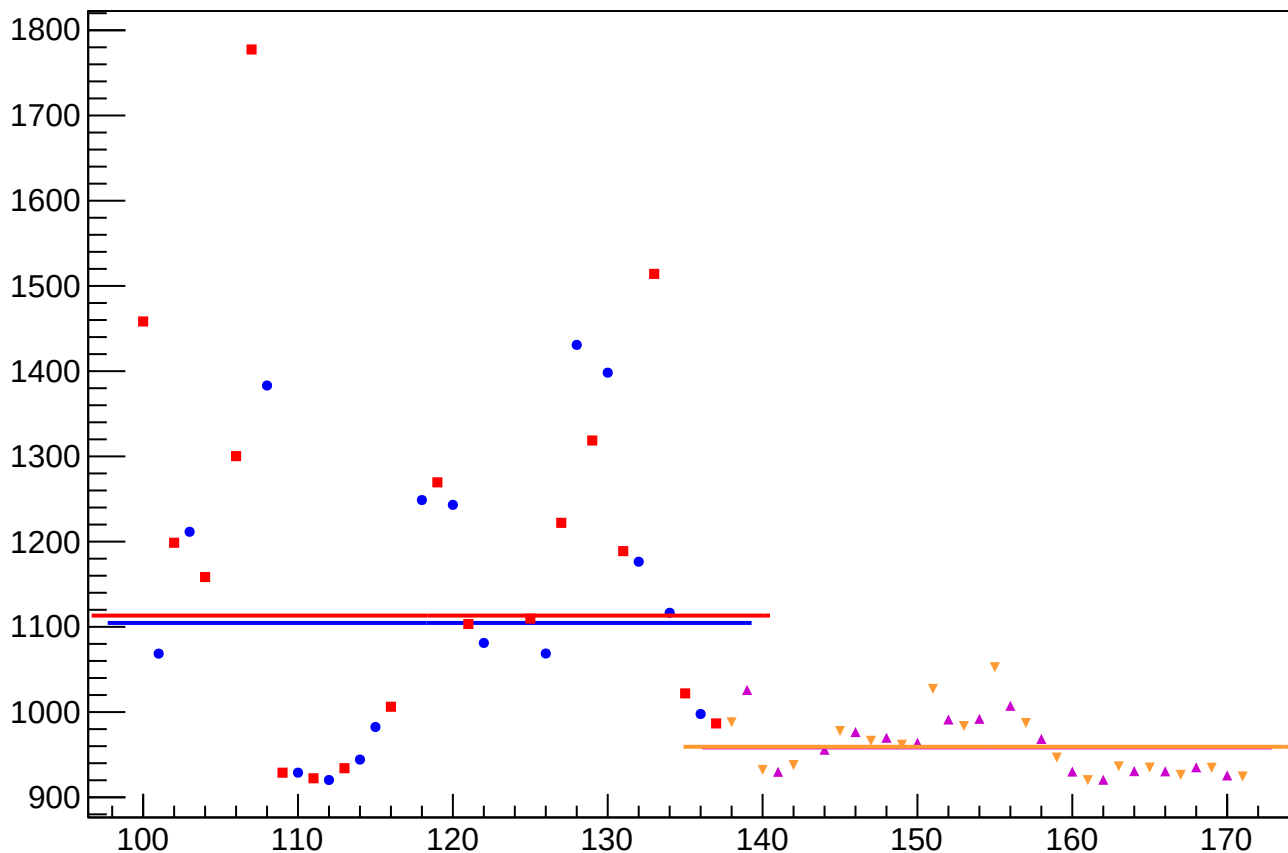
Left In: 225.358+/-270.946 χ^2/NDF : 13.3/15

+ sign 362.965+/-227.806 χ^2/NDF : 50.5/32

All: 338.381+/-161.432 χ^2/NDF : 72.4/66

- sign 313.584+/-228.796 χ^2/NDF : 21.8/33

asym_us_dd_rms vs Slug



Right In: 1104.596 $\pm$ 0.307 χ^2 /NDF: 255488.3/15

Left Out: 959.271 $\pm$ 0.189 χ^2 /NDF: 35665.5/16

Right Out: 1113.215 $\pm$ 0.302 χ^2 /NDF: 362982.2/17

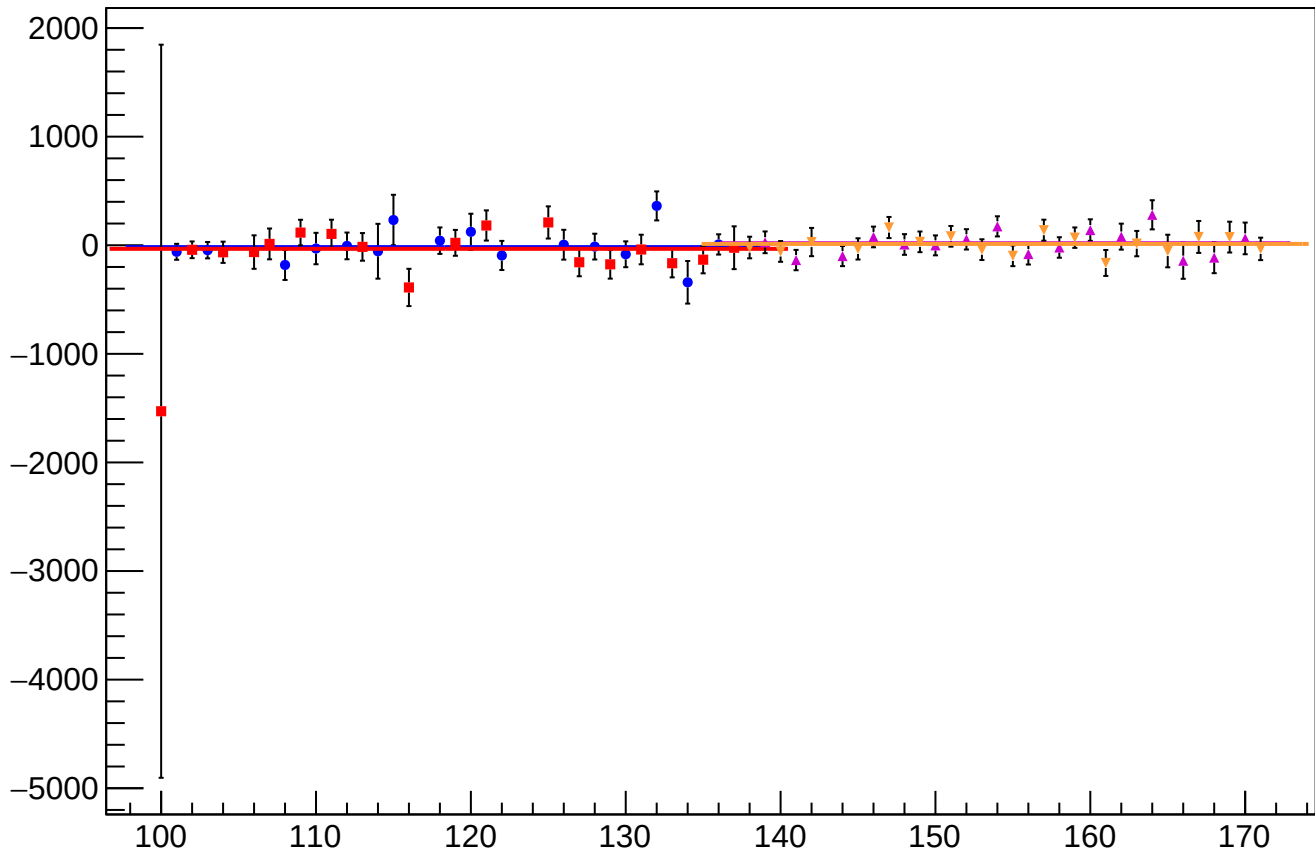
Left In: 958.513 $\pm$ 0.192 χ^2 /NDF: 25459.8/15

+ sign 999.353 $\pm$ 0.161 χ^2 /NDF: 453723.9/32

All: 1001.120 $\pm$ 0.114 χ^2 /NDF: 1029492.7/60

- sign 1002.902 $\pm$ 0.162 χ^2 /NDF: 575527.0/33

reg_asym_ds_avg_mean vs Slug



Right In: -17.236 ± 29.988 χ^2/NDF : 15.6/15

Left Out: 12.334 ± 25.672 χ^2/NDF : 10.5/16

Right Out: -32.892 ± 30.446 χ^2/NDF : 16.5/17

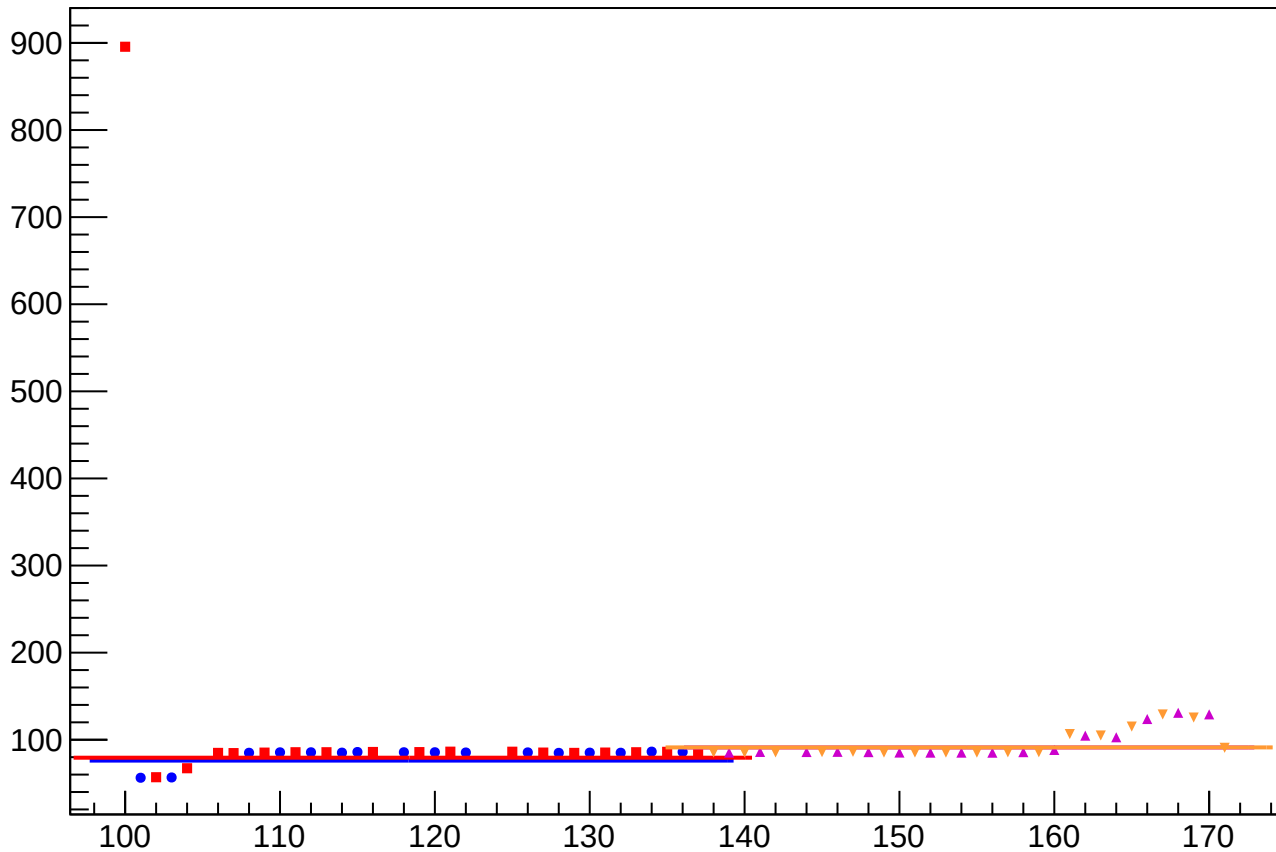
Left In: 18.699 ± 26.010 χ^2/NDF : 16.4/15

+ sign -0.172 ± 19.502 χ^2/NDF : 26.6/32

All: -1.599 ± 13.886 χ^2/NDF : 61.3/66

- sign -3.067 ± 19.776 χ^2/NDF : 34.6/33

reg_asym_ds_avg_rms vs Slug



Right In: 76.079 $\pm$ 0.021 χ^2 /NDF: 409170.8/15

Left Out: 91.216 $\pm$ 0.018 χ^2 /NDF: 435634.6/16

Right Out: 79.390 $\pm$ 0.022 χ^2 /NDF: 378526.1/17

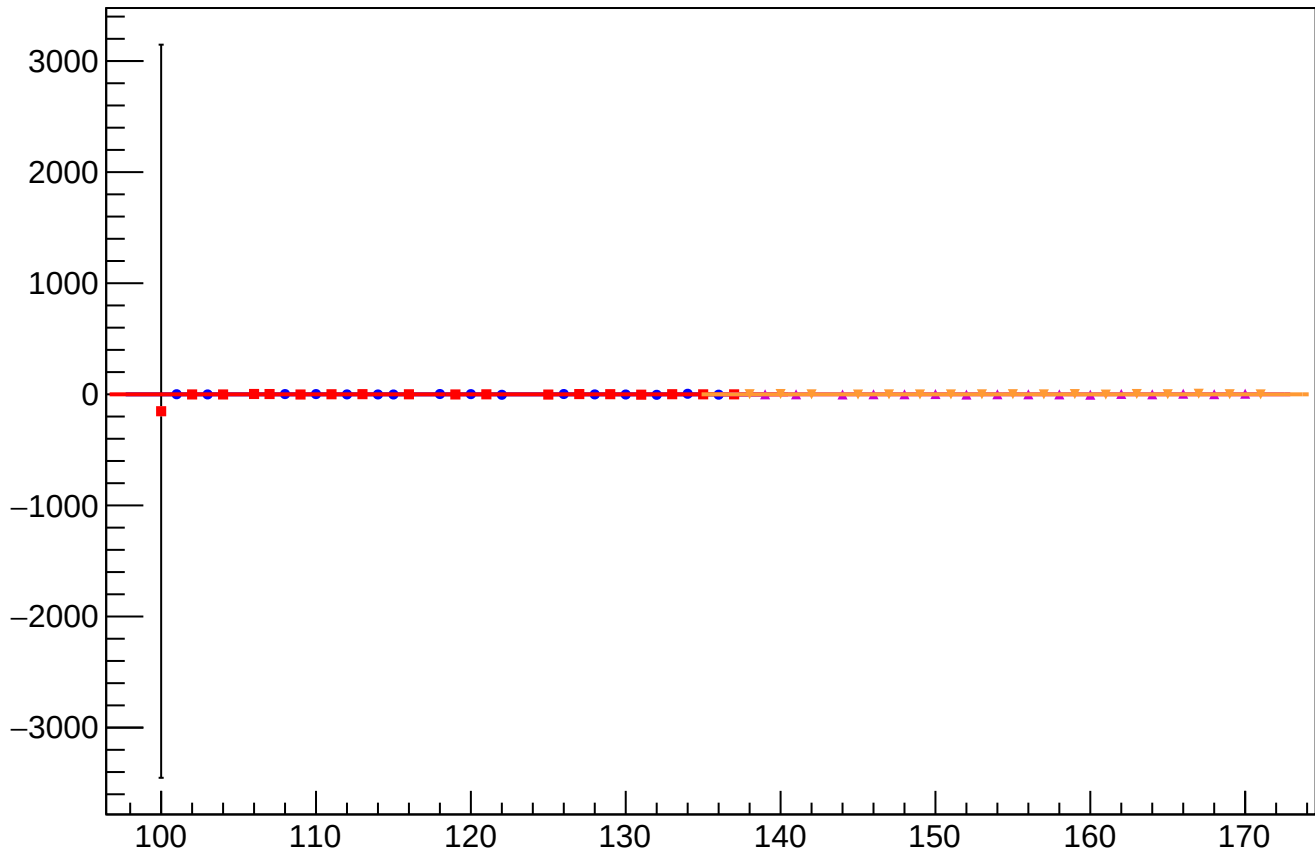
Left In: 91.145 $\pm$ 0.018 χ^2 /NDF: 478763.2/15

+ sign 84.814 $\pm$ 0.014 χ^2 /NDF: 1138869.9/32

All: 85.490 $\pm$ 0.010 χ^2 /NDF: 2173375.8/66

- sign 86.185 $\pm$ 0.014 χ^2 /NDF: 1029632.5/33

asym_ds_avg_correction_mean vs Slug



Right In: -0.281 ± 0.501 χ^2/NDF : 21.2/15

Left Out: -0.031 ± 0.441 χ^2/NDF : 12.9/16

Right Out: -0.078 ± 0.521 χ^2/NDF : 9.0/17

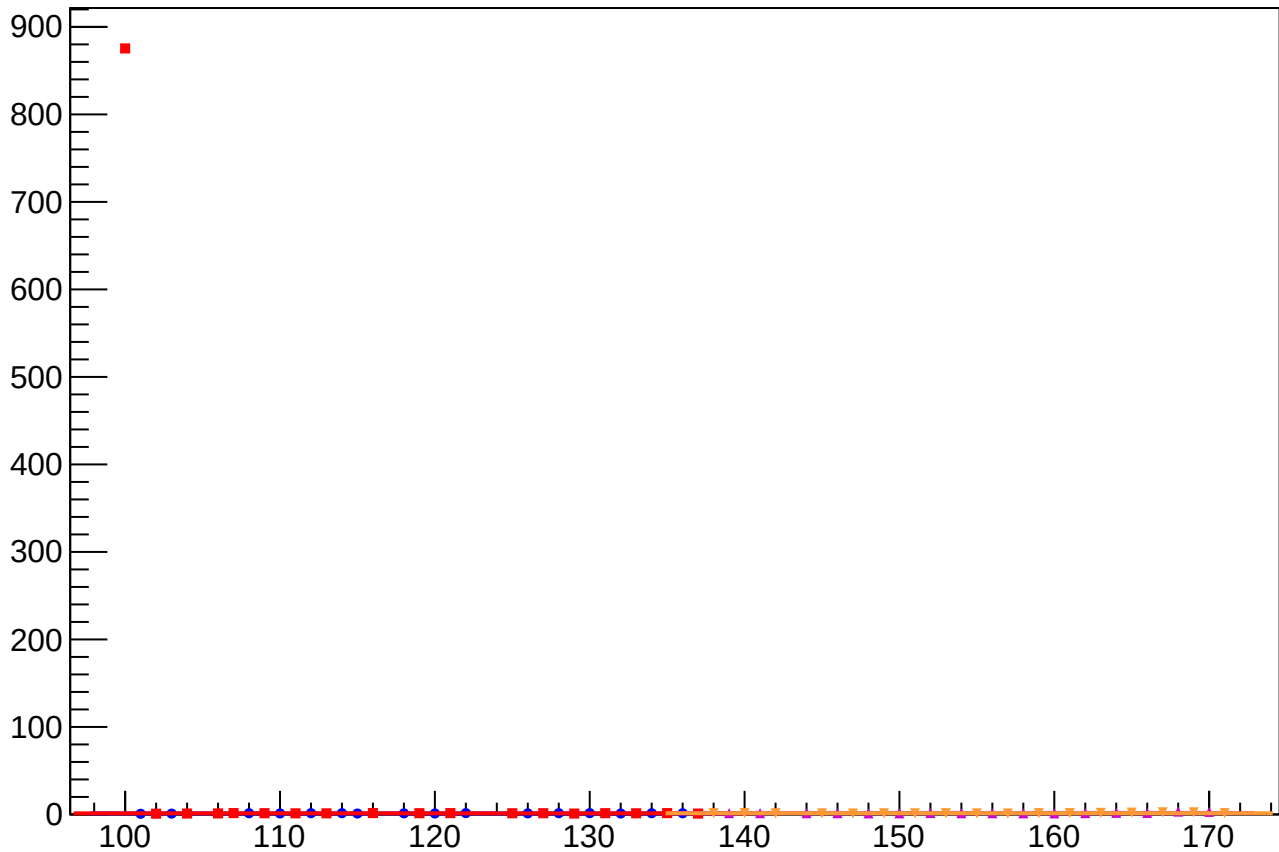
Left In: 0.433 ± 0.466 χ^2/NDF : 19.2/15

+ sign -0.140 ± 0.331 χ^2/NDF : 34.2/32

All: 0.025 ± 0.240 χ^2/NDF : 63.4/66

- sign 0.206 ± 0.347 χ^2/NDF : 28.7/33

asym_ds_avg_correction_rms vs Slug



Right In: 1.152 $\pm$ 0.000 χ^2 /NDF: 514348.9/15

Left Out: 1.388 $\pm$ 0.000 χ^2 /NDF: 898334.6/16

Right Out: 1.247 $\pm$ 0.000 χ^2 /NDF: 517130.7/17

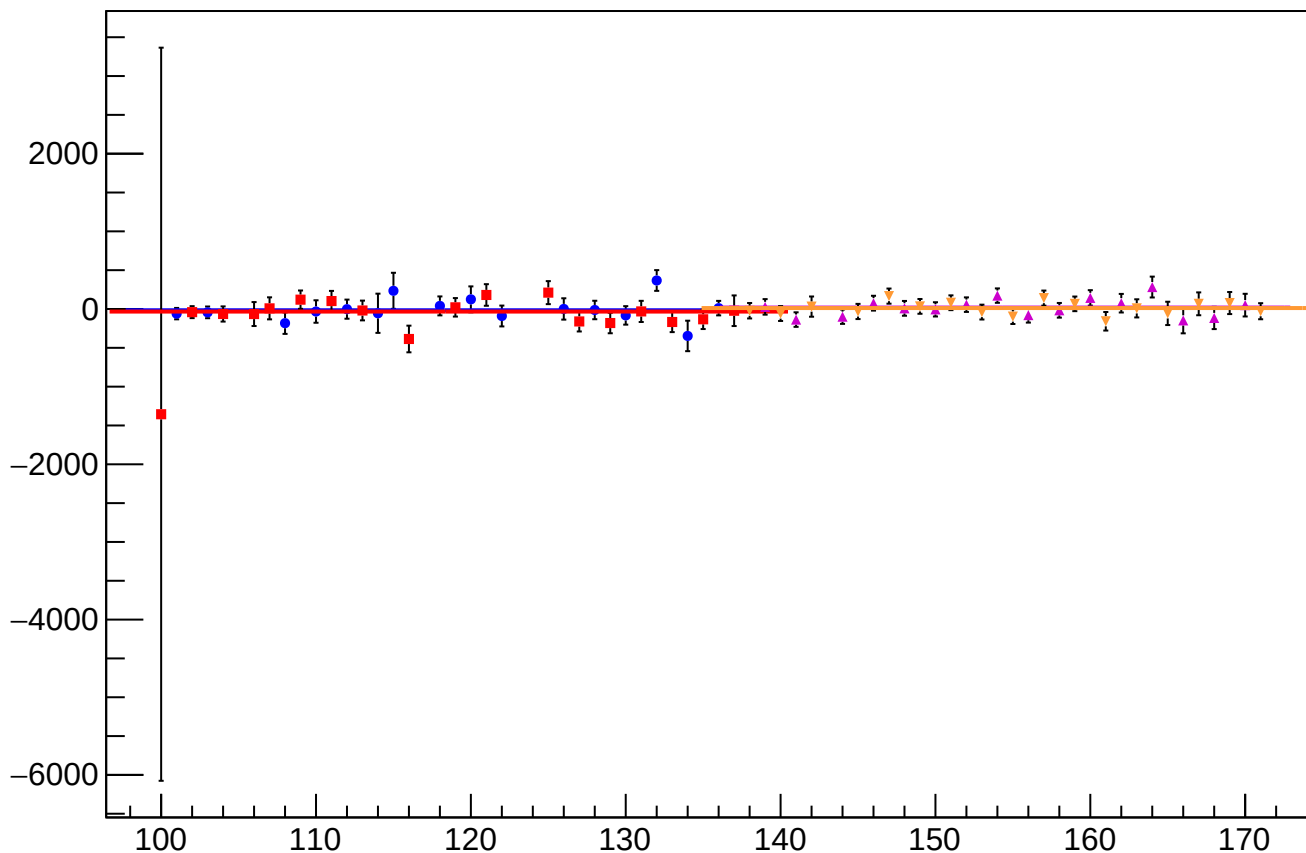
Left In: 1.475 $\pm$ 0.000 χ^2 /NDF: 967487.4/15

+ sign 1.285 $\pm$ 0.000 χ^2 /NDF: 1661394.5/32

All: 1.327 $\pm$ 0.000 χ^2 /NDF: 3426440.3/66

- sign 1.374 $\pm$ 0.000 χ^2 /NDF: 1697038.1/33

asym_ds_avg_mean vs Slug



Right In: -16.311 ± 29.996 χ^2/NDF : 15.9/15

Left Out: 12.177 ± 25.680 χ^2/NDF : 10.4/16

Right Out: -33.114 ± 30.455 χ^2/NDF : 16.5/17

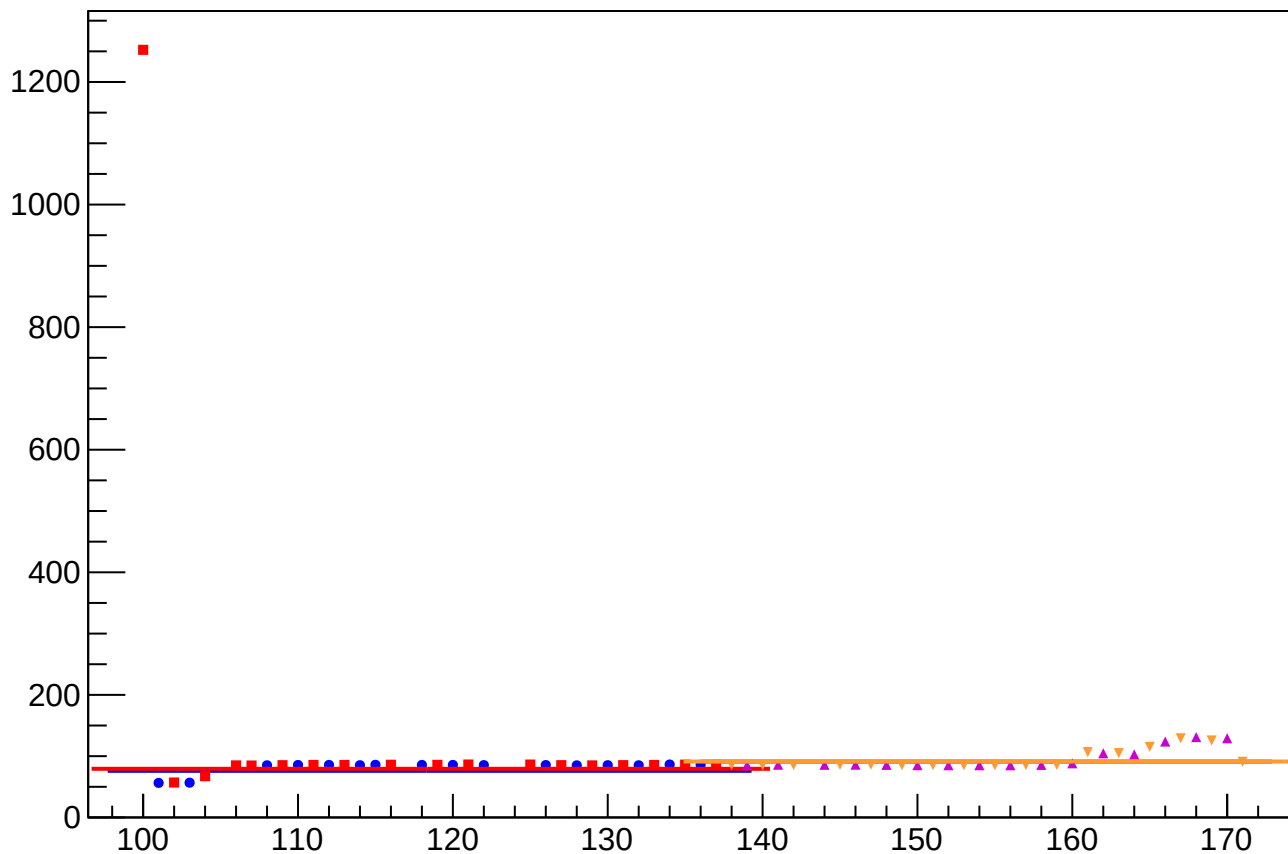
Left In: 18.459 ± 26.018 χ^2/NDF : 16.4/15

+ sign 0.128 ± 19.508 χ^2/NDF : 26.8/32

All: -1.562 ± 13.890 χ^2/NDF : 61.4/66

- sign -3.301 ± 19.782 χ^2/NDF : 34.6/33

asym_ds_avg_rms vs Slug



Right In: 76.099 $\pm$ 0.021 χ^2 /NDF: 409200.9/15

Left Out: 91.243 $\pm$ 0.018 χ^2 /NDF: 436374.2/16

Right Out: 79.393 $\pm$ 0.022 χ^2 /NDF: 385048.8/17

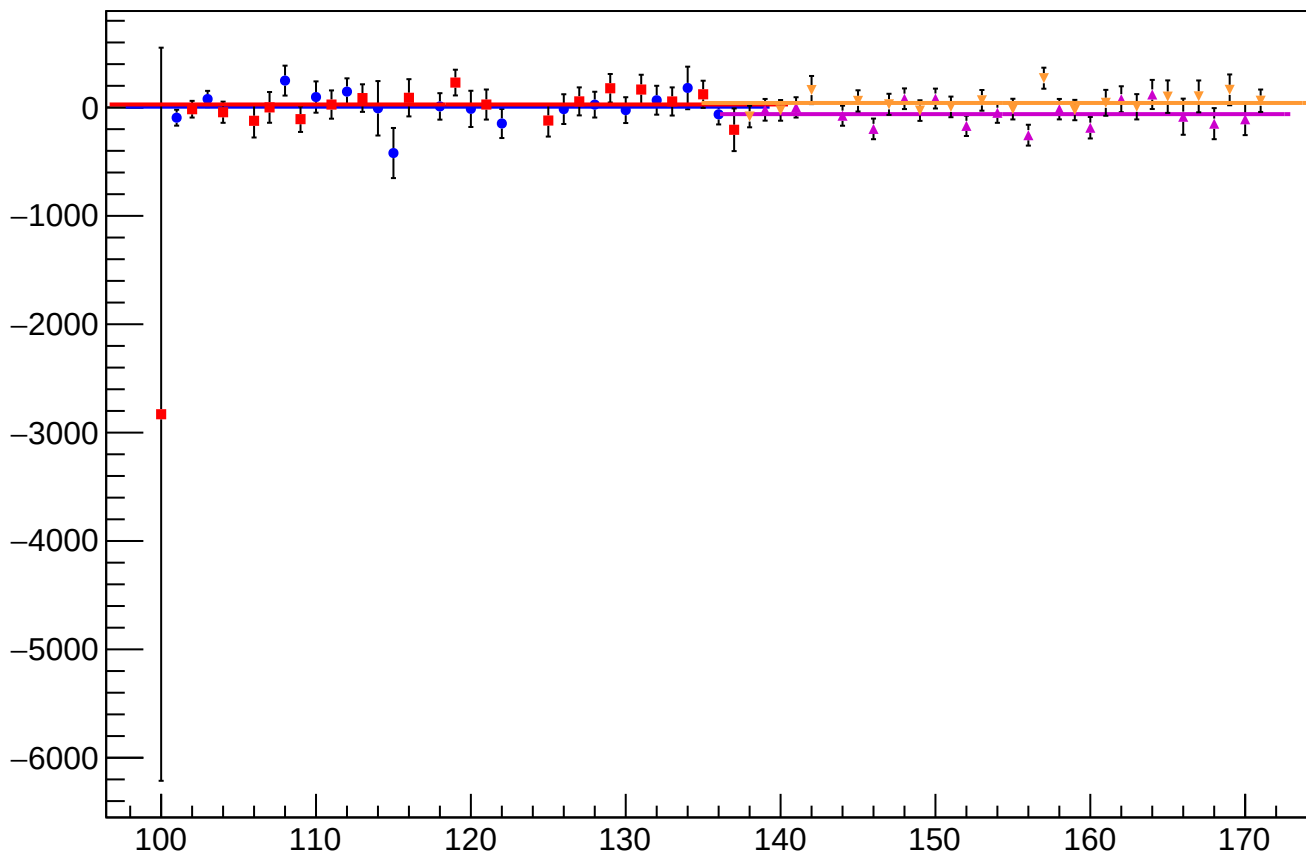
Left In: 91.172 $\pm$ 0.018 χ^2 /NDF: 479624.5/15

+ sign 84.838 $\pm$ 0.014 χ^2 /NDF: 1139745.7/32

All: 85.510 $\pm$ 0.010 χ^2 /NDF: 2182182.5/66

- sign 86.202 $\pm$ 0.014 χ^2 /NDF: 1037612.9/33

reg_asym_ds_dd_mean vs Slug



Right In: 7.460 ± 29.969 χ^2/NDF : 13.9/15

Left Out: 41.833 ± 25.672 χ^2/NDF : 11.3/16

Right Out: 27.920 ± 30.428 χ^2/NDF : 12.5/17

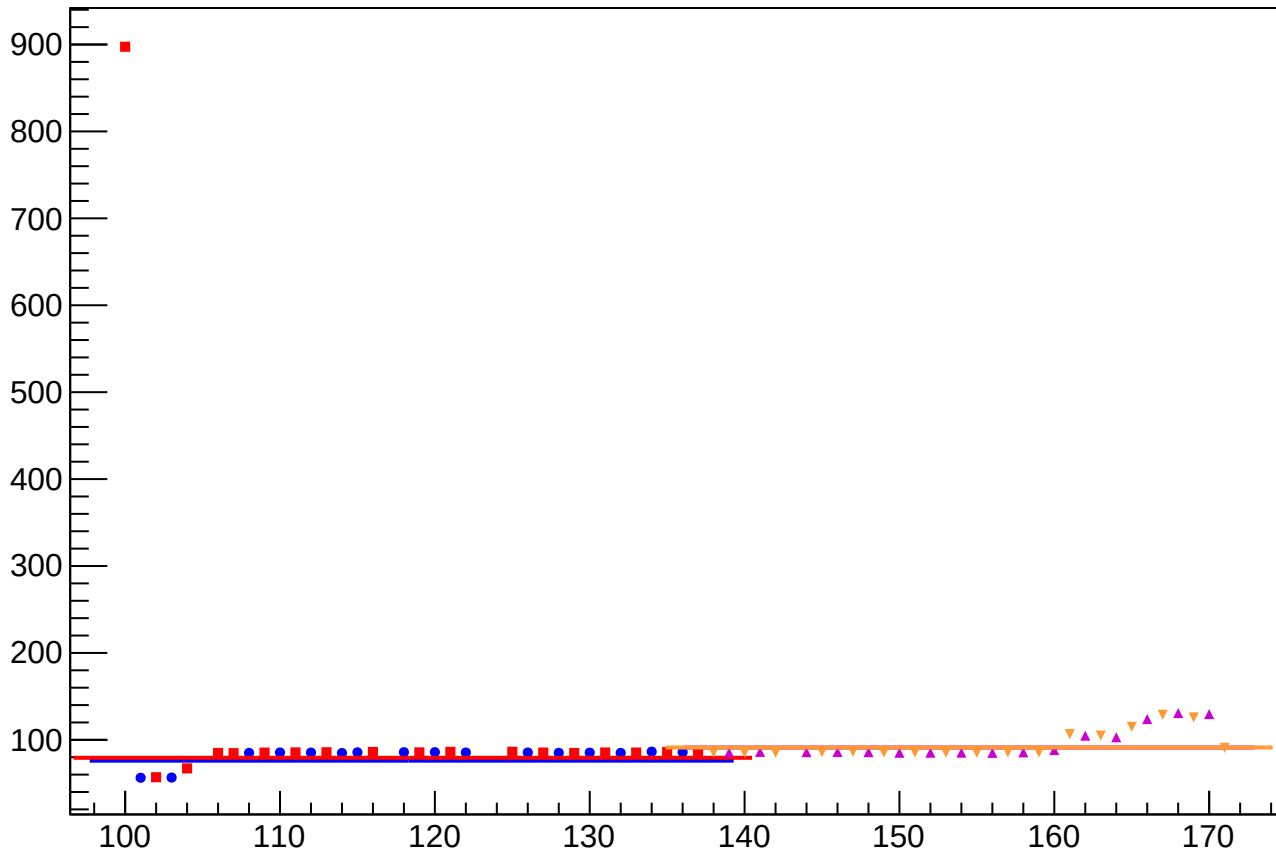
Left In: -61.264 ± 26.012 χ^2/NDF : 18.3/15

+ sign 27.285 ± 19.497 χ^2/NDF : 26.0/32

All: 2.196 ± 13.883 χ^2/NDF : 65.1/66

- sign -23.607 ± 19.772 χ^2/NDF : 35.7/33

reg_asym_ds_dd_rms vs Slug



Right In: 76.032 $\pm$ 0.021 χ^2 /NDF: 408917.7/15

Left Out: 91.214 $\pm$ 0.018 χ^2 /NDF: 435067.1/16

Right Out: 79.342 $\pm$ 0.022 χ^2 /NDF: 378371.9/17

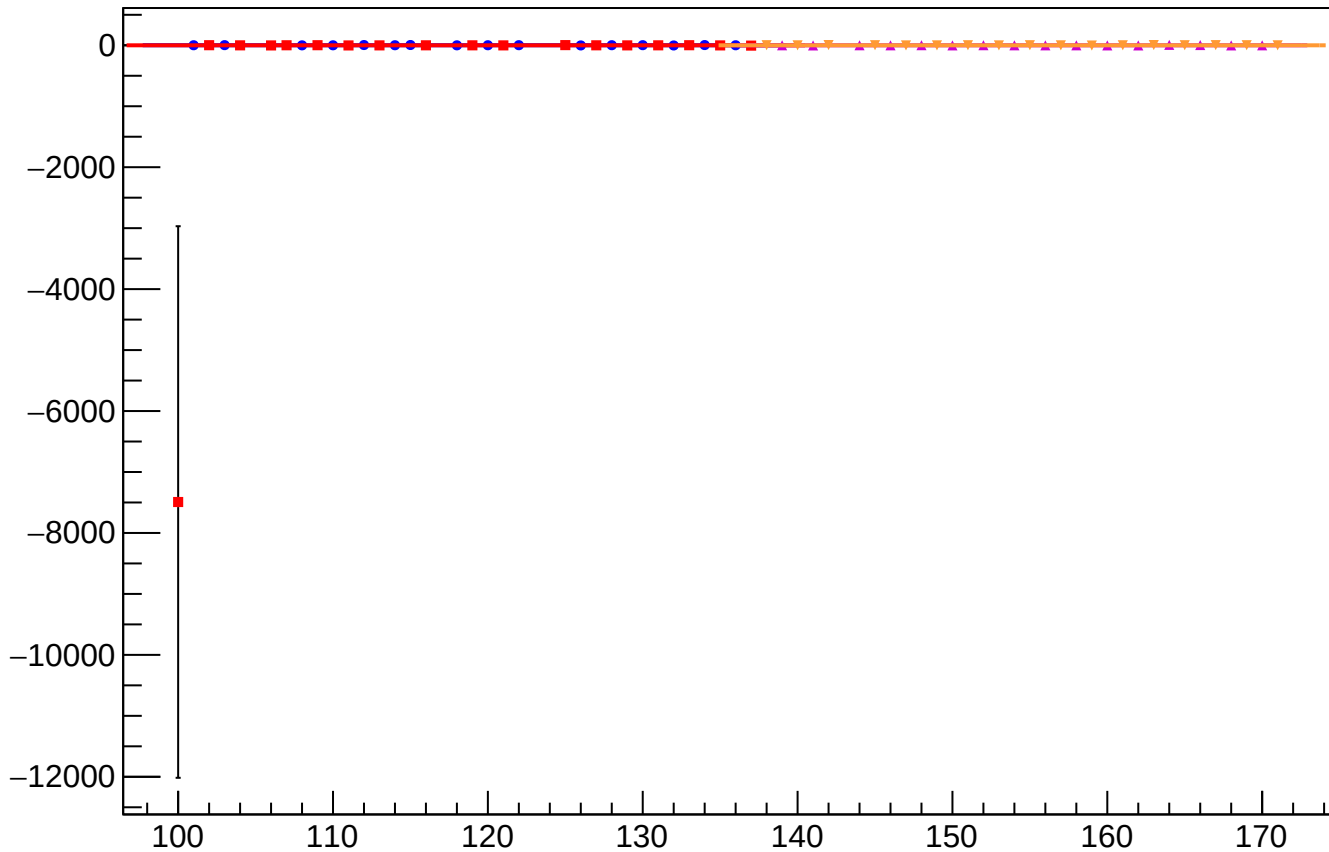
Left In: 91.144 $\pm$ 0.018 χ^2 /NDF: 482465.2/15

+ sign 84.789 $\pm$ 0.014 χ^2 /NDF: 1140047.2/32

All: 85.465 $\pm$ 0.010 χ^2 /NDF: 2179624.4/66

- sign 86.161 $\pm$ 0.014 χ^2 /NDF: 1034693.5/33

asym_ds_dd_correction_mean vs Slug



Right In: 0.911 ± 0.532 χ^2/NDF : 12.0/15

Left Out: -0.339 ± 0.456 χ^2/NDF : 16.5/16

Right Out: -0.314 ± 0.548 χ^2/NDF : 12.6/17

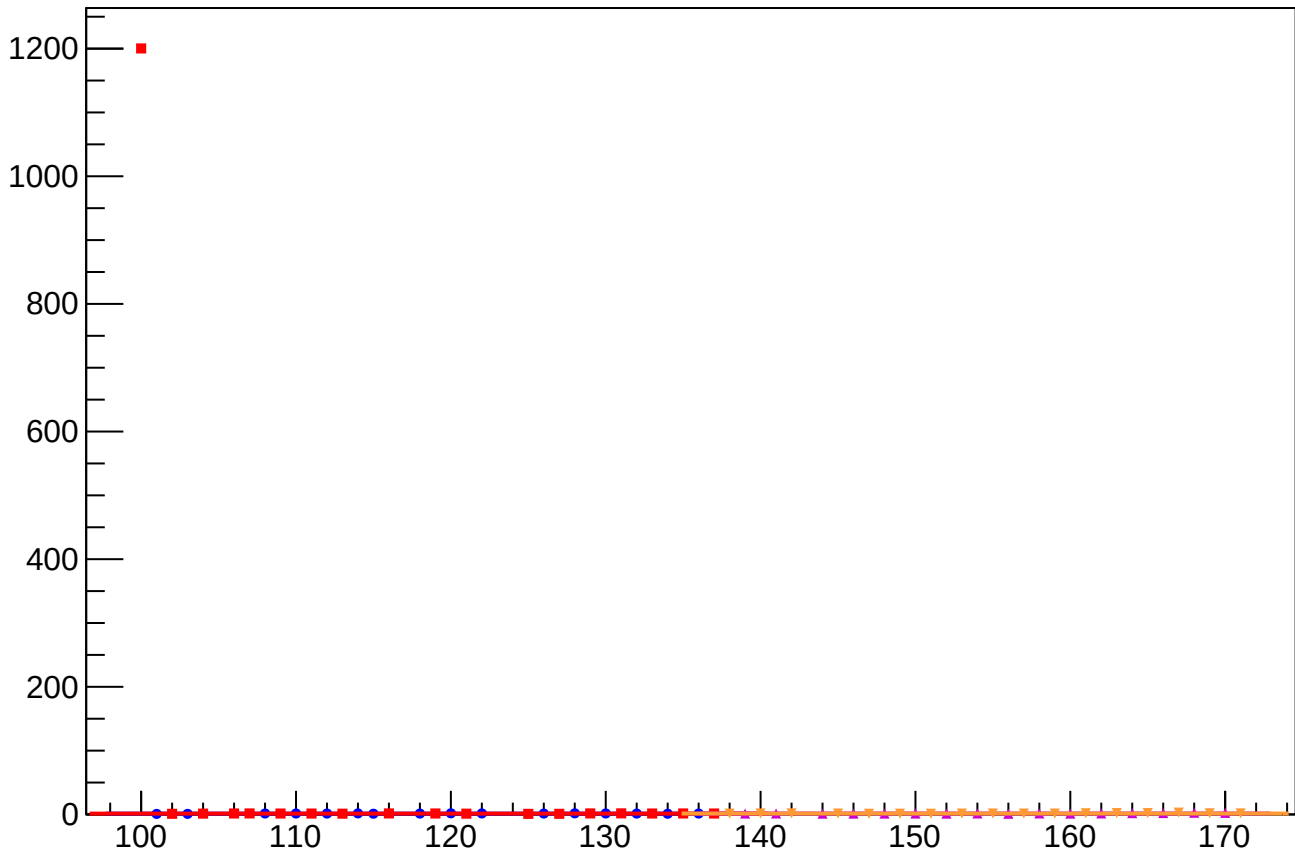
Left In: -0.107 ± 0.464 χ^2/NDF : 14.8/15

+ sign 0.189 ± 0.346 χ^2/NDF : 31.7/32

All: 0.003 ± 0.248 χ^2/NDF : 59.8/66

- sign -0.193 ± 0.354 χ^2/NDF : 27.5/33

asym_ds_dd_correction_rms vs Slug



Right In: 1.238 $\pm$ 0.000 χ^2 /NDF: 657848.9/15

Left Out: 1.446 $\pm$ 0.000 χ^2 /NDF:1037110.5/16

Right Out: 1.317 $\pm$ 0.000 χ^2 /NDF: 521587.9/17

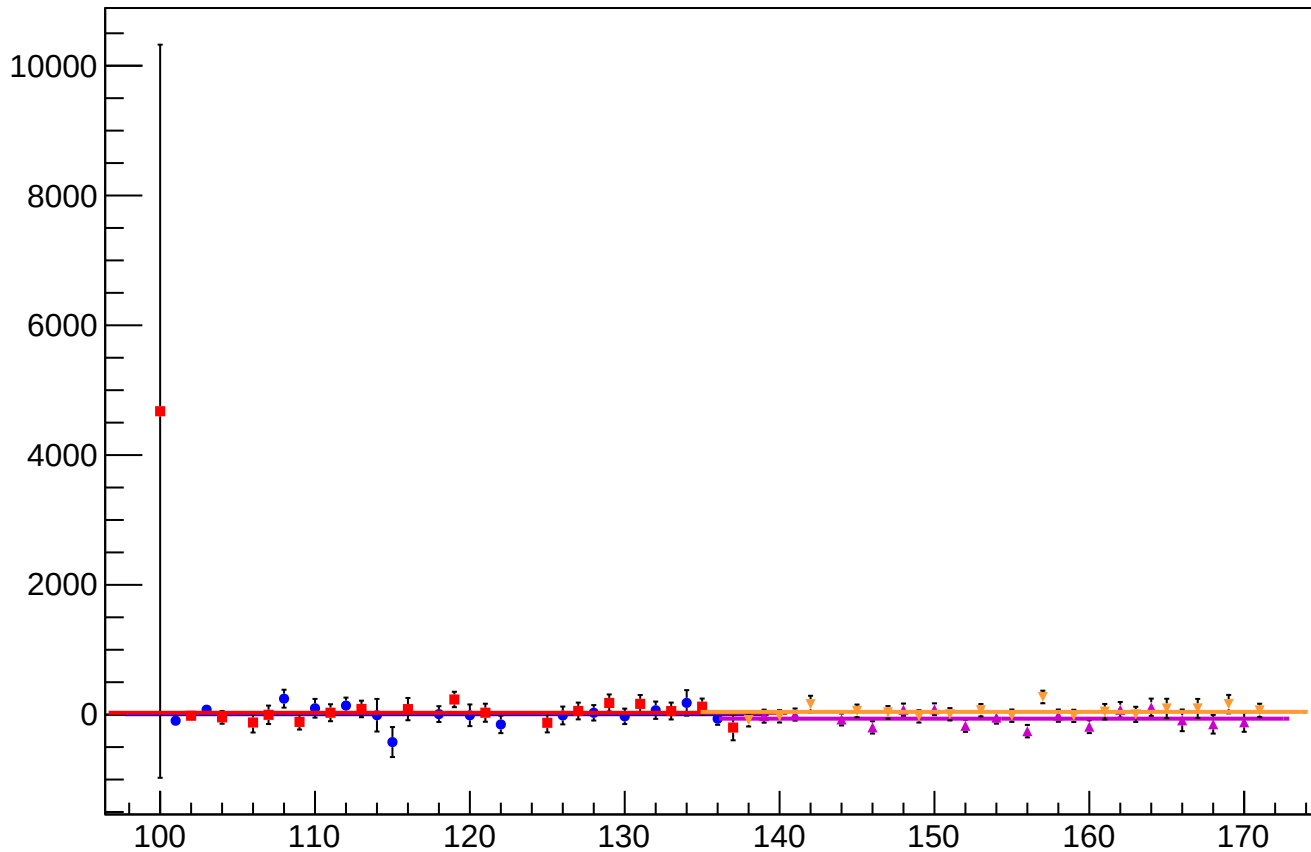
Left In: 1.459 $\pm$ 0.000 χ^2 /NDF:926384.5/15

+ sign 1.358 $\pm$ 0.000 χ^2 /NDF: 1871358.0/32

All: 1.378 $\pm$ 0.000 χ^2 /NDF: 3411390.5/66

- sign 1.400 $\pm$ 0.000 χ^2 /NDF: 1525562.6/33

asym_ds_dd_mean vs Slug



Right In: 6.781 ± 29.977 χ^2/NDF : 13.8/15

Left Out: 42.510 ± 25.680 χ^2/NDF : 11.2/16

Right Out: 28.551 ± 30.437 χ^2/NDF : 12.7/17

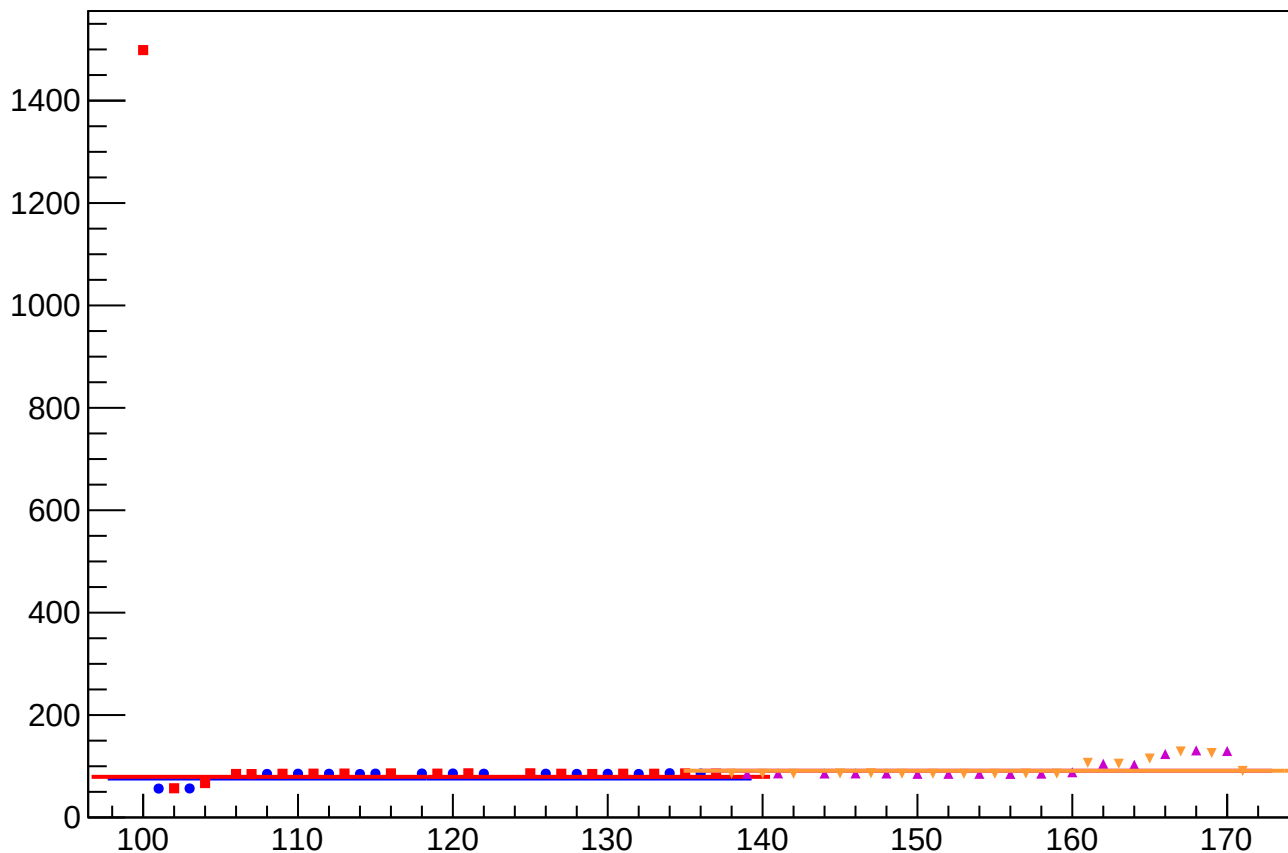
Left In: -61.915 ± 26.020 χ^2/NDF : 17.9/15

+ sign 27.388 ± 19.502 χ^2/NDF : 25.9/32

All: 2.194 ± 13.887 χ^2/NDF : 65.0/66

- sign -23.716 ± 19.778 χ^2/NDF : 35.7/33

asym_ds_dd_rms vs Slug



Right In: 76.052 $\pm$ 0.021 χ^2 /NDF: 408962.1/15

Left Out: 91.242 $\pm$ 0.018 χ^2 /NDF: 435809.0/16

Right Out: 79.338 $\pm$ 0.022 χ^2 /NDF: 387631.3/17

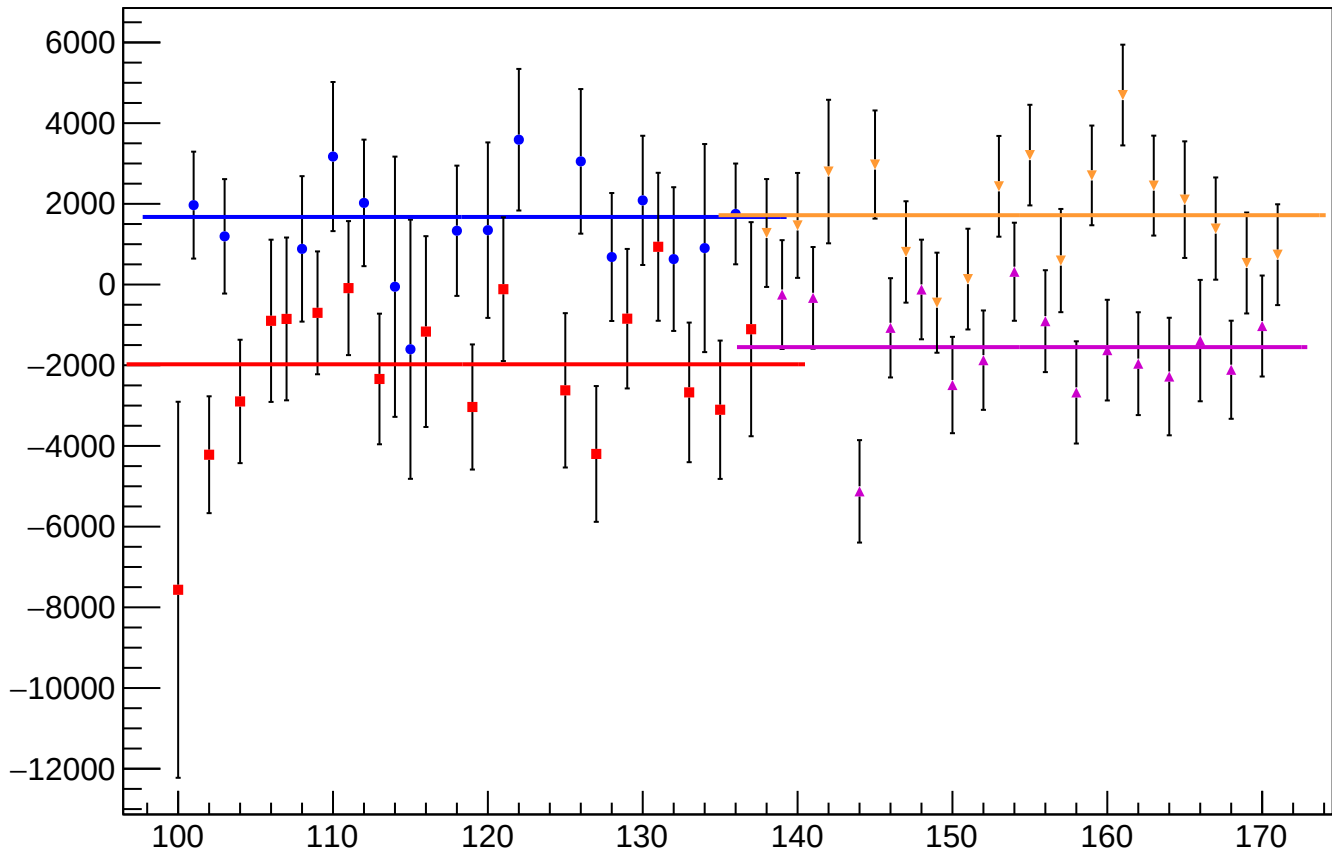
Left In: 91.172 $\pm$ 0.018 χ^2 /NDF: 483269.0/15

+ sign 84.813 $\pm$ 0.014 χ^2 /NDF: 1140920.5/32

All: 85.484 $\pm$ 0.010 χ^2 /NDF: 2191280.9/66

- sign 86.175 $\pm$ 0.014 χ^2 /NDF: 1045549.7/33

reg_asym_usl_mean vs Slug



Right In: 1674.993 $\pm$ 430.597 χ^2 /NDF: 5.1/15

Left Out: 1718.638 $\pm$ 313.499 χ^2 /NDF:17.4/16

Right Out: -1976.296 $\pm$ 422.405 χ^2 /NDF: 14.0/17

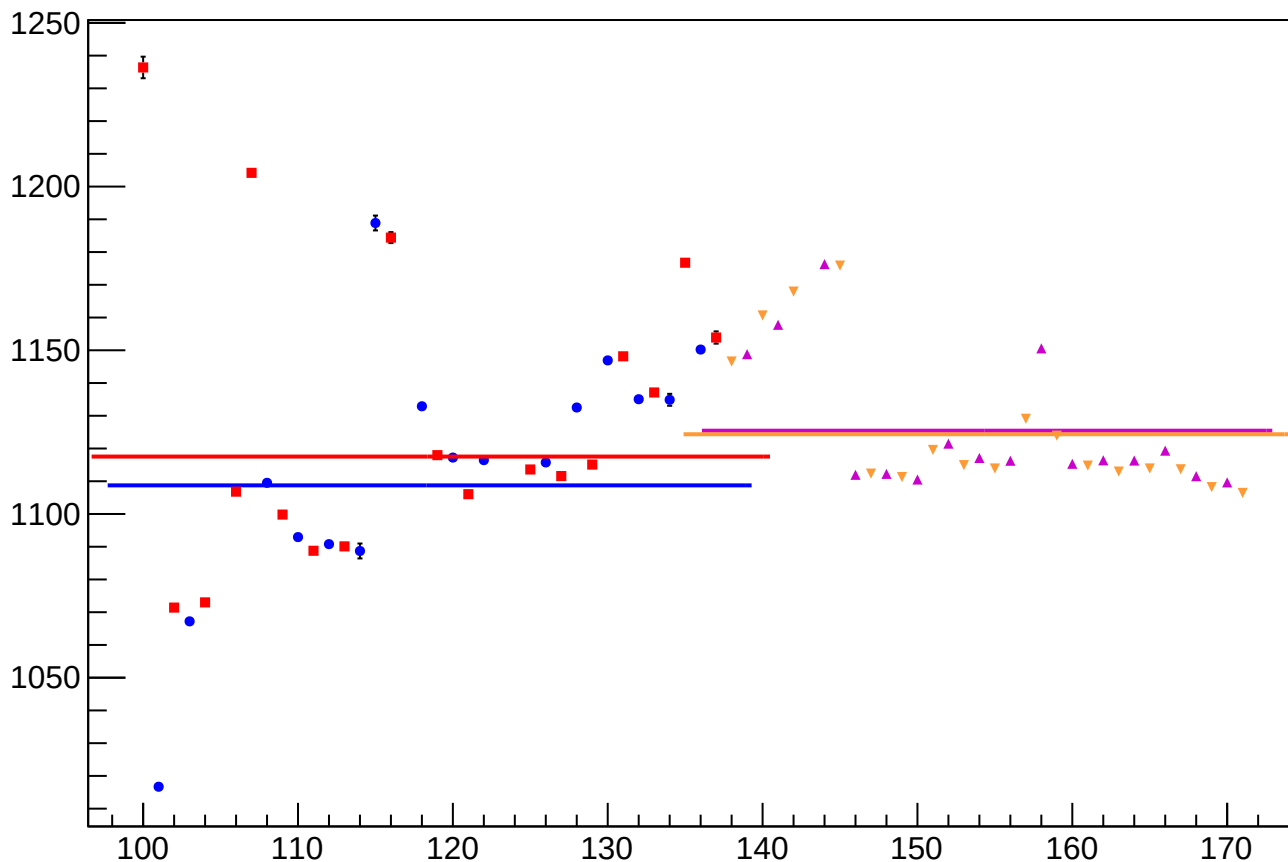
Left In: -1550.860 $\pm$ 317.952 χ^2 /NDF:16.1/15

+ sign 1703.518 $\pm$ 253.444 χ^2 /NDF: 22.6/32

All: 3.332 $\pm$ 179.419 χ^2 /NDF: 143.6/66

- sign -1704.727 $\pm$ 254.030 χ^2 /NDF: 30.8/33

reg_asym_usl_rms vs Slug



Right In: 1108.739 $\pm$ 0.304 χ^2 /NDF: 18080.7/15

Left Out: 1124.351 $\pm$ 0.222 χ^2 /NDF: 8259.9/16

Right Out: 1117.539 $\pm$ 0.299 χ^2 /NDF: 15515.2/17

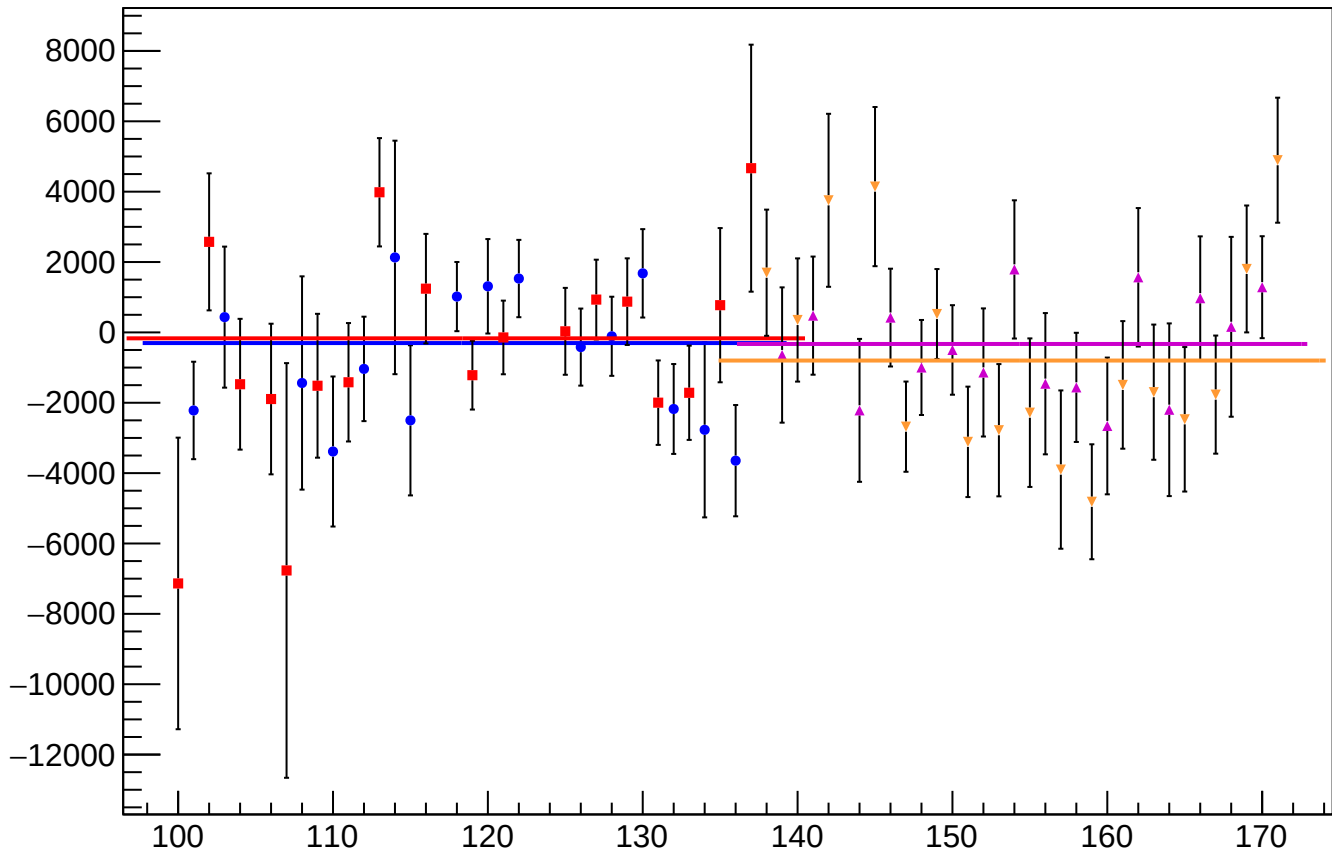
Left In: 1125.436 $\pm$ 0.225 χ^2 /NDF: 7842.5/15

+ sign 1118.942 $\pm$ 0.179 χ^2 /NDF: 28058.8/32

All: 1120.757 $\pm$ 0.127 χ^2 /NDF: 52068.1/66

- sign 1122.580 $\pm$ 0.180 χ^2 /NDF: 23803.8/33

asym_usl_correction_mean vs Slug



Right In: -303.335+/-360.068 χ^2/NDF : 22.3/15

Left Out: -799.964+/-426.585 χ^2/NDF : 39.2/16

Right Out: -168.849+/-356.237 χ^2/NDF : 24.9/17

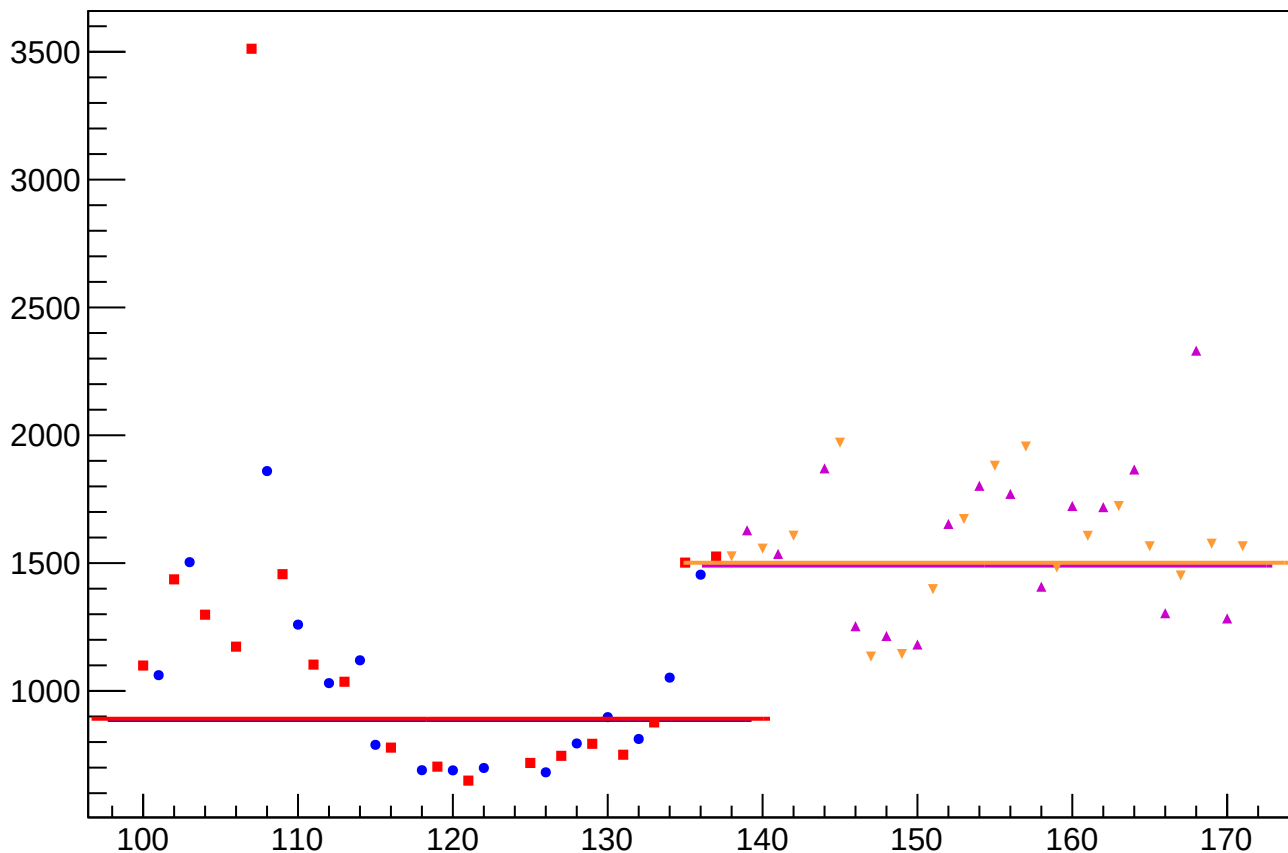
Left In: -329.141+/-429.634 χ^2/NDF : 8.8/15

+ sign -509.954+/-275.154 χ^2/NDF : 62.3/32

All: -371.591+/-194.236 χ^2/NDF : 96.5/66

- sign -234.154+/-274.230 χ^2/NDF : 33.7/33

asym_usl_correction_rms vs Slug



Right In: 886.691+/-0.255 χ^2/NDF : 1060864.2/15

Left Out: 1501.435+/-0.302 χ^2/NDF : 627339.6/16

Right Out: 891.197+/-0.252 χ^2/NDF : 1414187.9/17

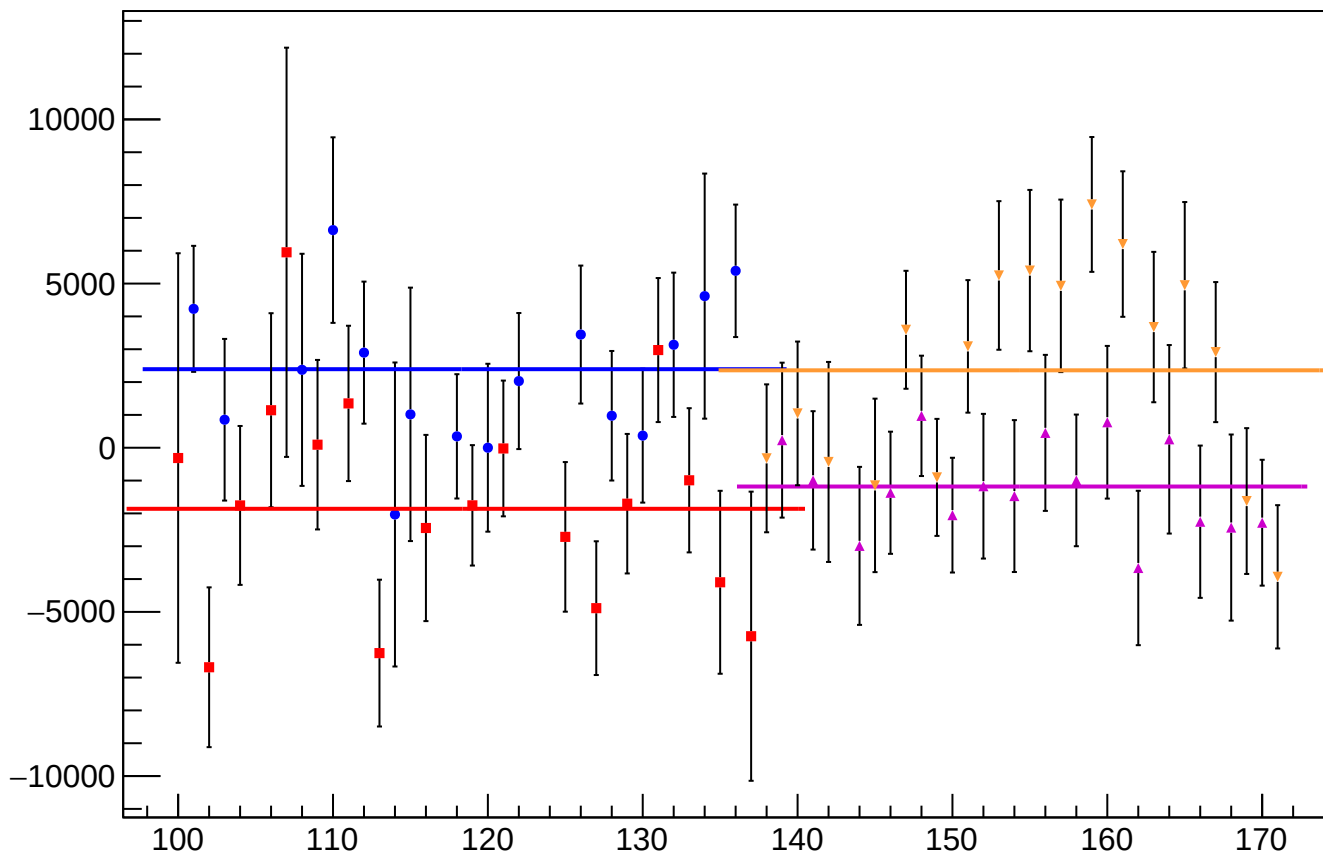
Left In: 1490.267+/-0.304 χ^2/NDF : 834347.9/15

+ sign 1142.451+/-0.195 χ^2/NDF : 4113623.0/32

All: 1138.846+/-0.137 χ^2/NDF : 8667150.1/60

- sign 1135.264+/-0.194 χ^2/NDF : 4552842.7/33

asym_usl_mean vs Slug



Right In: 2392.385 $\pm$ 588.991 χ^2 /NDF: 11.2/15

Left Out: 2357.823 $\pm$ 538.163 χ^2 /NDF:34.5/16

Right Out: -1859.867 $\pm$ 583.119 χ^2 /NDF: 22.5/17

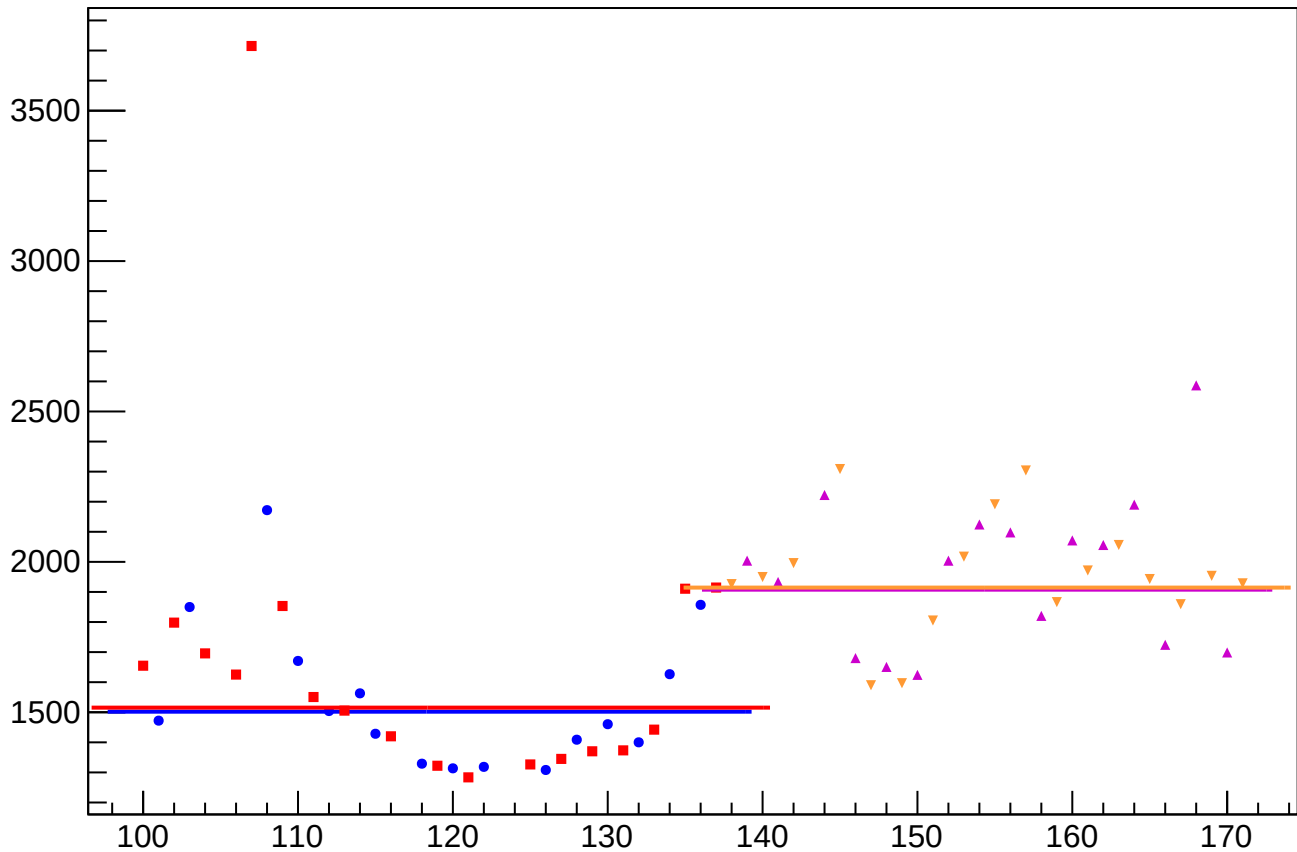
Left In: -1181.423 $\pm$ 543.928 χ^2 /NDF:5.9/15

+ sign 2373.549 $\pm$ 397.295 χ^2 /NDF: 45.6/32

All: 440.443 $\pm$ 281.090 χ^2 /NDF: 122.1/66

- sign -1497.082 $\pm$ 397.749 χ^2 /NDF: 29.1/33

asym_usl_rms vs Slug



Right In: 1501.937 $\pm$ 0.416 χ^2 /NDF: 254549.7/15

Left Out: 1914.485 $\pm$ 0.381 χ^2 /NDF: 267210.3/16

Right Out: 1515.406 $\pm$ 0.412 χ^2 /NDF: 479759.9/17

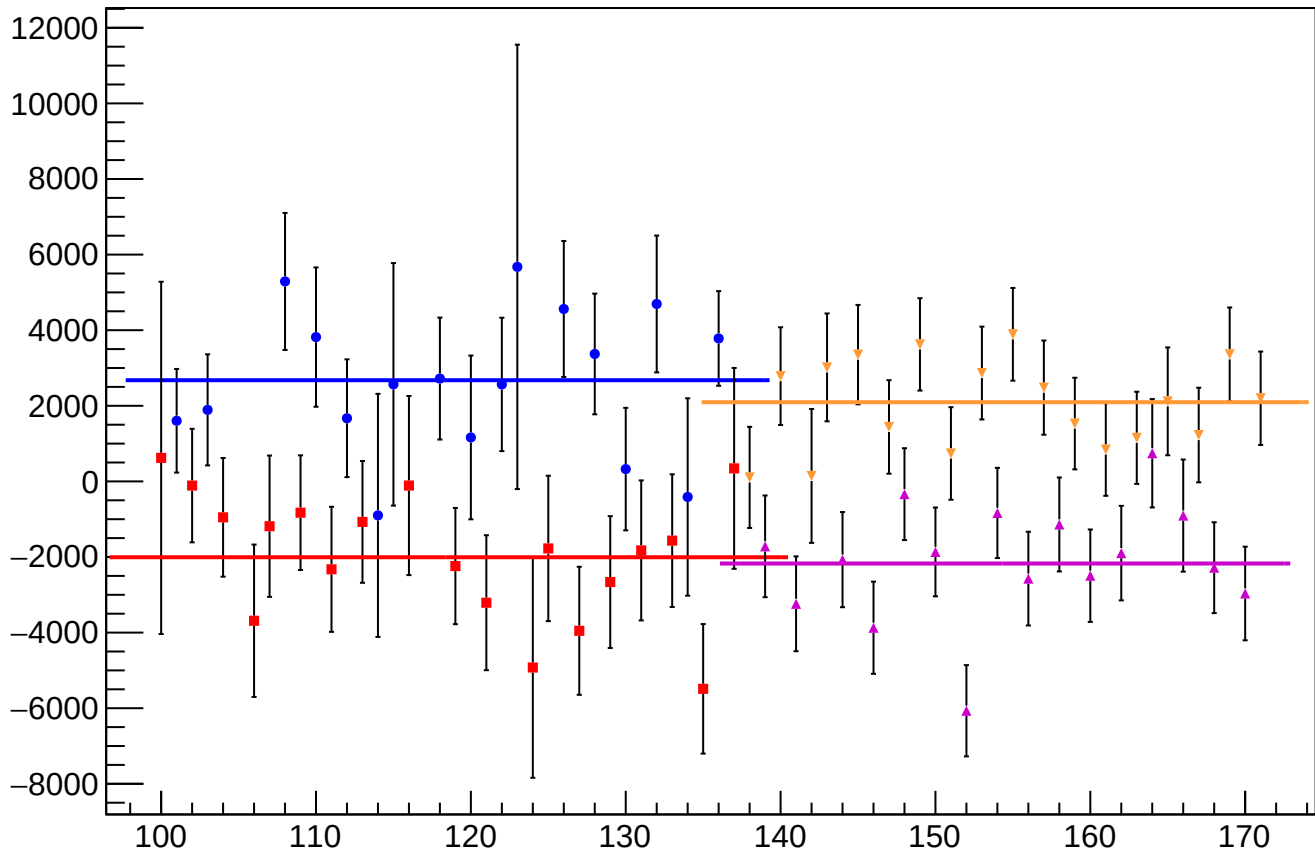
Left In: 1907.612 $\pm$ 0.385 χ^2 /NDF: 385904.0/15

+ sign 1726.776 $\pm$ 0.281 χ^2 /NDF: 1056521.2/32

All: 1725.955 $\pm$ 0.199 χ^2 /NDF: 2406019.5/60

- sign 1725.131 $\pm$ 0.281 χ^2 /NDF: 1349481.1/33

reg_asym_usr_mean vs Slug



Right In: 2676.683 $\pm$ 433.582 χ^2 /NDF: 12.6/16

Left Out: 2095.545 $\pm$ 301.985 χ^2 /NDF:14.1/17

Right Out: -2006.577 $\pm$ 419.165 χ^2 /NDF: 12.8/18

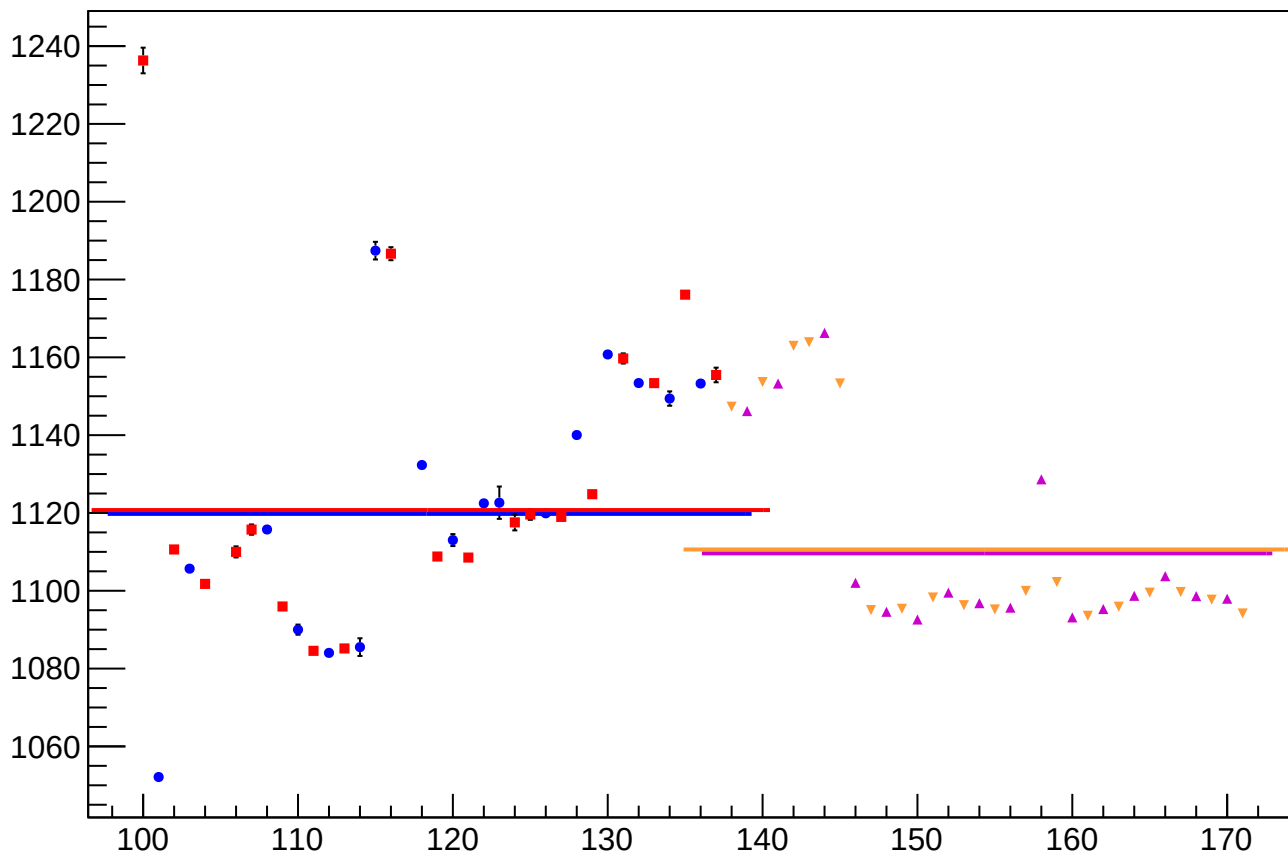
Left In: -2172.119 $\pm$ 313.505 χ^2 /NDF:23.0/15

+ sign 2285.370 $\pm$ 247.804 χ^2 /NDF: 27.9/34

All: 114.967 $\pm$ 176.361 χ^2 /NDF: 219.3/69

- sign -2112.735 $\pm$ 251.053 χ^2 /NDF: 35.9/34

reg_asym_usr_rms vs Slug



Right In: 1119.762 $\pm$ 0.307 χ^2 /NDF: 11876.8/16

Left Out: 1110.614 $\pm$ 0.214 χ^2 /NDF:13548.4/17

Right Out: 1120.746 $\pm$ 0.296 χ^2 /NDF: 9934.2/18

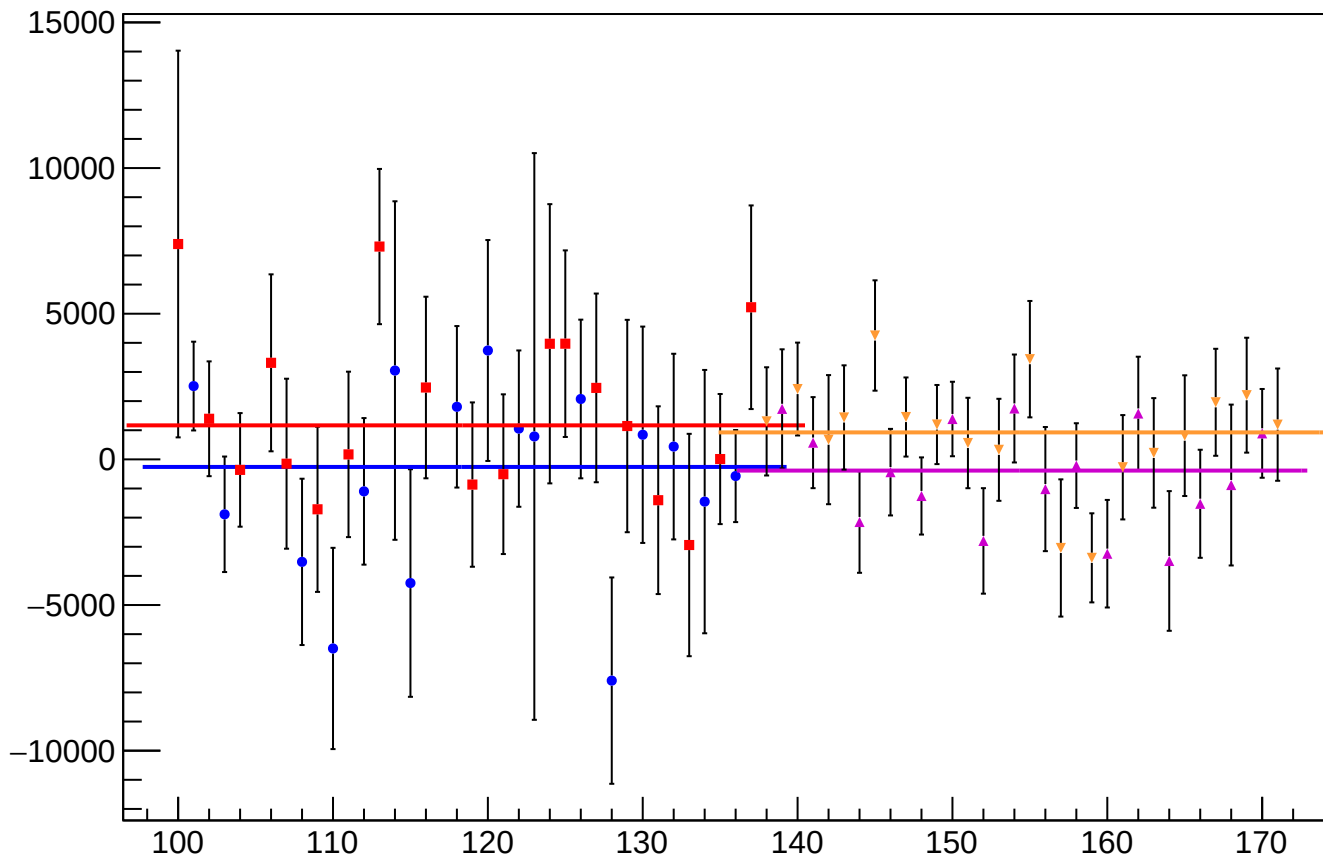
Left In: 1109.627 $\pm$ 0.222 χ^2 /NDF:10961.3/15

+ sign 1113.602 $\pm$ 0.175 χ^2 /NDF: 26024.7/34

All: 1113.609 $\pm$ 0.125 χ^2 /NDF: 47822.7/69

- sign 1113.616 $\pm$ 0.178 χ^2 /NDF: 21797.9/34

asym_usr_correction_mean vs Slug



Right In: -259.821 $\pm$ 655.275 χ^2 /NDF: 17.2/16

Left Out: 925.802 $\pm$ 414.777 χ^2 /NDF: 18.2/17

Right Out: 1167.598 $\pm$ 662.428 χ^2 /NDF: 14.4/18

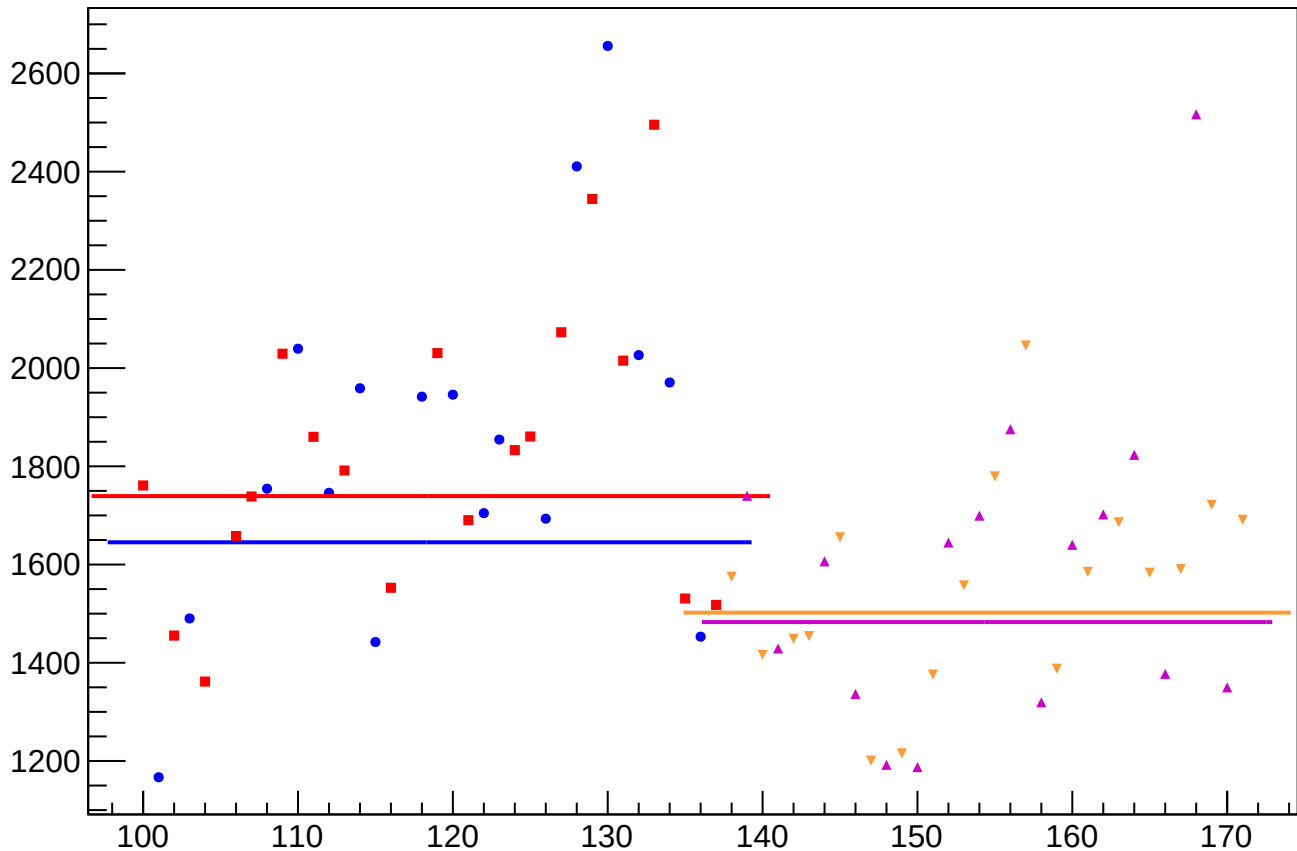
Left In: -385.009 $\pm$ 426.999 χ^2 /NDF: 14.2/15

+ sign 586.651 $\pm$ 350.467 χ^2 /NDF: 37.7/34

All: 334.827 $\pm$ 250.745 χ^2 /NDF: 71.3/69

- sign 70.741 $\pm$ 358.898 χ^2 /NDF: 32.5/34

asym_usr_correction_rms vs Slug



Right In: 1645.307+/-0.463 χ^2/NDF : 600915.2/16

Left Out: 1502.086+/-0.293 χ^2/NDF : 458936.3/17

Right Out: 1739.382+/-0.468 χ^2/NDF : 371012.9/18

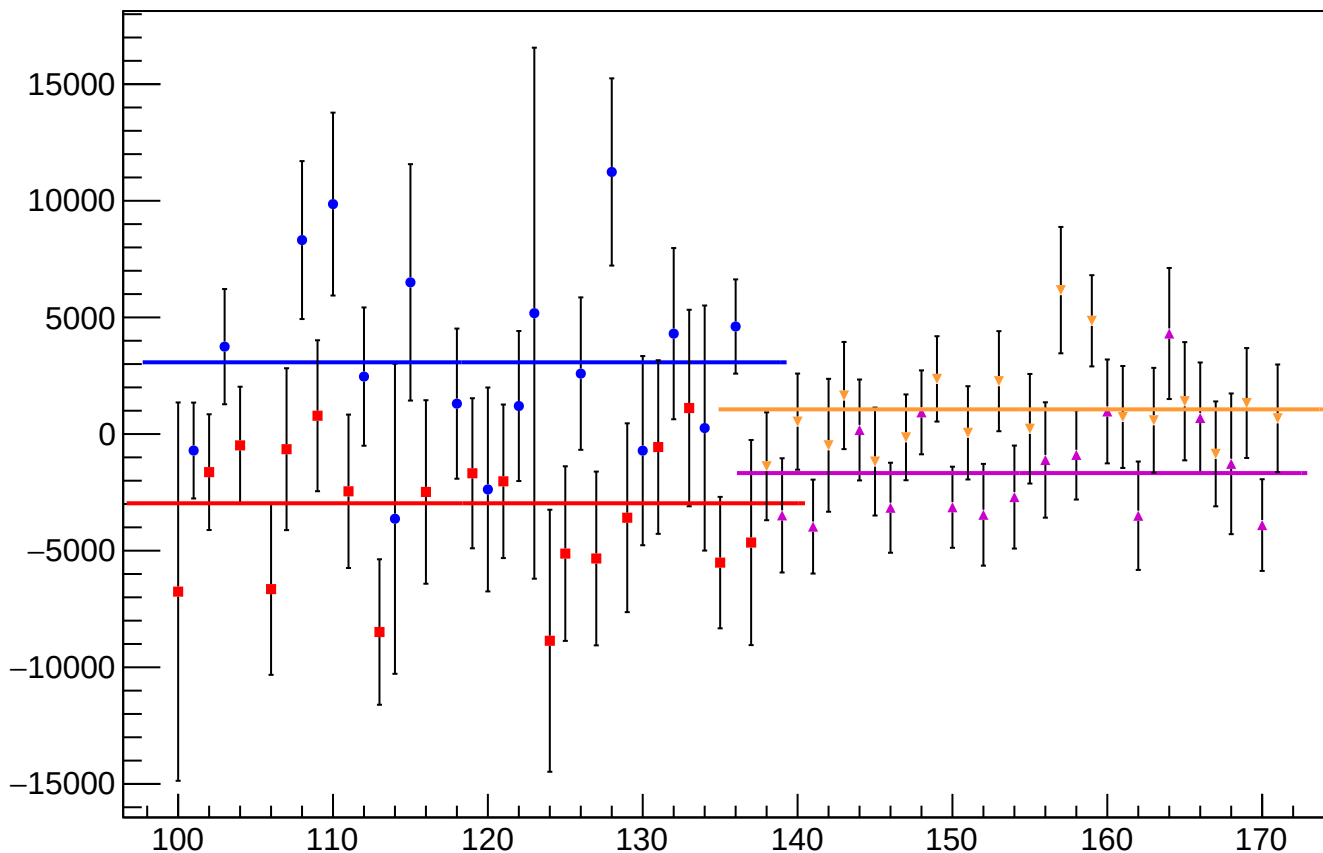
Left In: 1482.887+/-0.302 χ^2/NDF : 785350.0/15

+ sign 1543.055+/-0.248 χ^2/NDF : 1128063.0/34

All: 1550.437+/-0.177 χ^2/NDF : 2498078.0/69

- sign 1558.178+/-0.254 χ^2/NDF : 1368197.0/34

asym_usr_mean vs Slug



Right In: 3075.401 $\pm$ 802.249 χ^2 /NDF: 18.6/16

Left Out: 1058.912 $\pm$ 520.468 χ^2 /NDF:12.3/17

Right Out: -2967.536 $\pm$ 795.639 χ^2 /NDF: 11.9/18

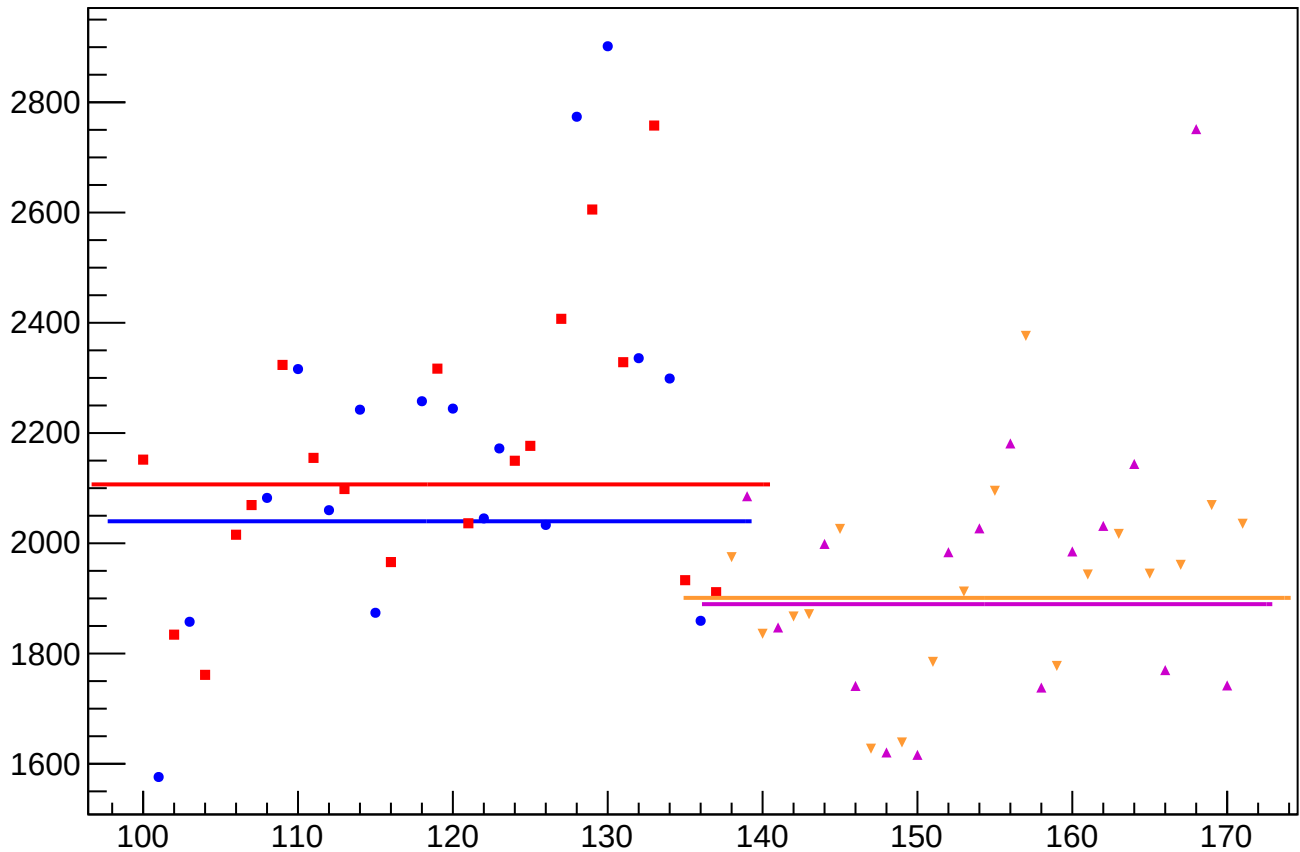
Left In: -1673.024 $\pm$ 538.692 χ^2 /NDF:15.9/15

+ sign 1656.229 $\pm$ 436.630 χ^2 /NDF: 35.3/34

All: -171.900 $\pm$ 312.028 χ^2 /NDF: 100.8/69

- sign -2079.914 $\pm$ 446.068 χ^2 /NDF: 29.6/34

asym_usr_rms vs Slug



Right In: 2039.942+/-0.567 χ^2/NDF : 331984.0/16

Left Out: 1900.982+/-0.368 χ^2/NDF : 210994.2/17

Right Out: 2106.832+/-0.563 χ^2/NDF : 195448.9/18

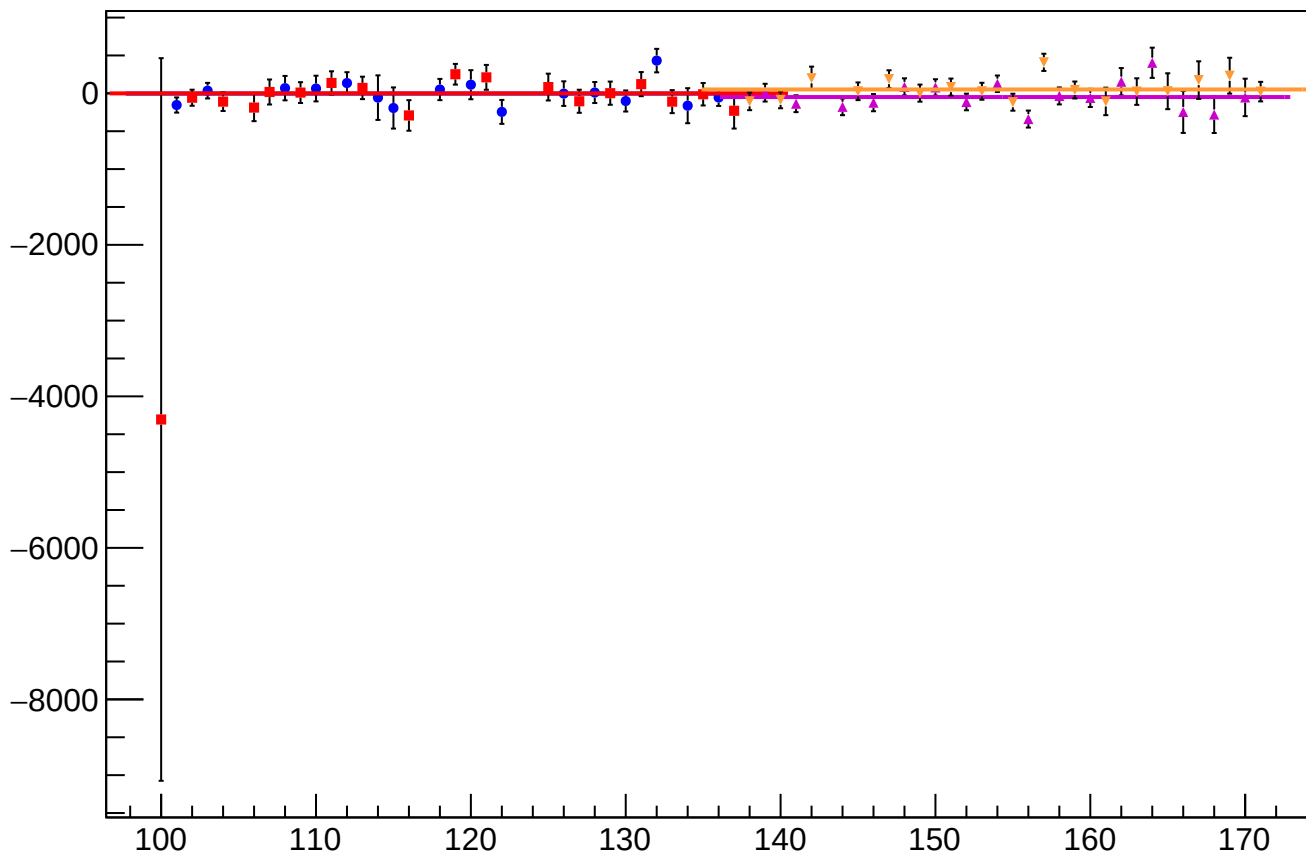
Left In: 1889.586+/-0.381 χ^2/NDF : 383662.8/15

+ sign 1942.144+/-0.309 χ^2/NDF : 585209.3/34

All: 1949.839+/-0.221 χ^2/NDF : 1267831.8/69

- sign 1957.871+/-0.315 χ^2/NDF : 681352.9/34

reg_asym_dsl_mean vs Slug



Right In: -3.283 ± 36.714 χ^2/NDF : 16.1/15

Left Out: 51.221 ± 31.727 χ^2/NDF : 19.8/16

Right Out: -0.487 ± 36.699 χ^2/NDF : 14.0/17

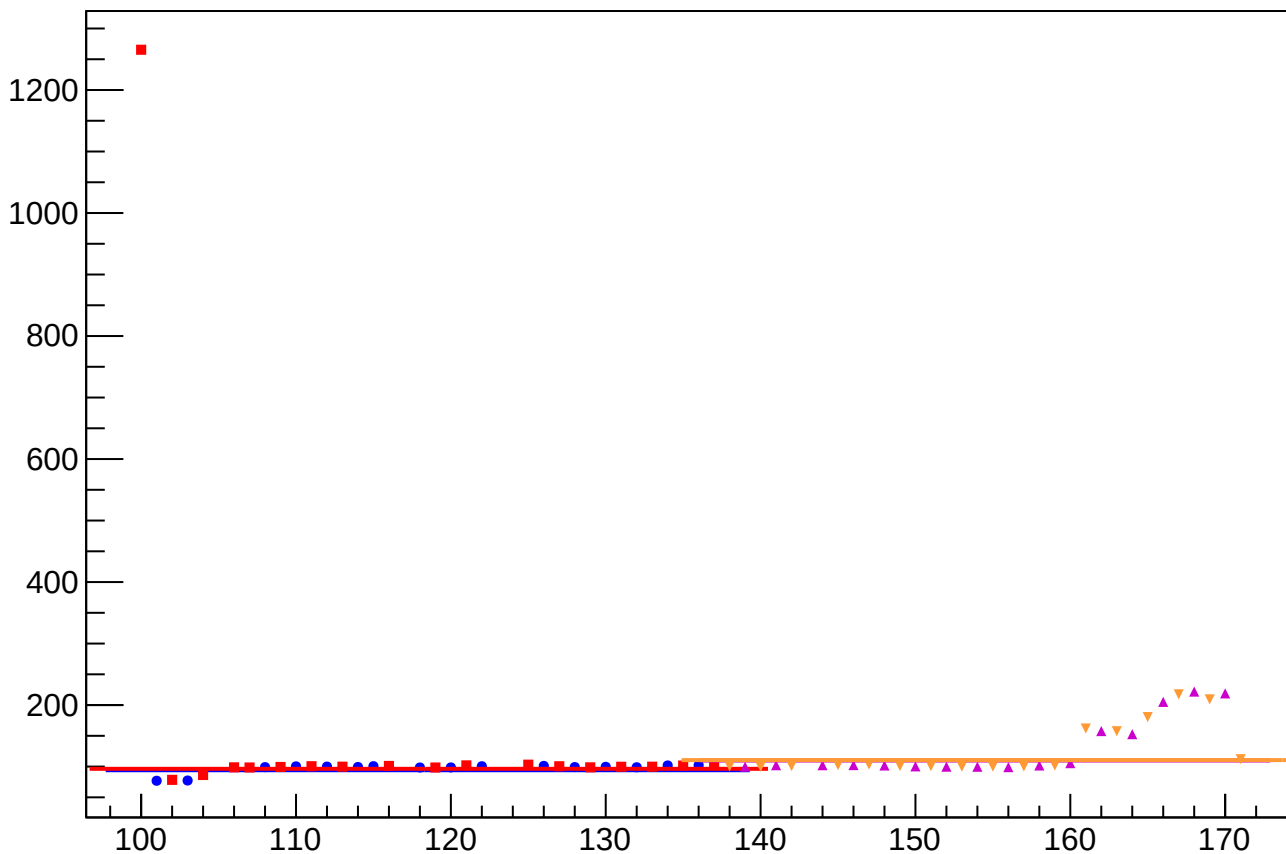
Left In: -49.027 ± 31.995 χ^2/NDF : 23.0/15

+ sign 27.919 ± 24.005 χ^2/NDF : 37.2/32

All: 0.057 ± 17.014 χ^2/NDF : 77.9/66

- sign -28.065 ± 24.117 χ^2/NDF : 37.9/33

reg_asym_dsl_rms vs Slug



Right In: 94.068+/-0.026 χ^2/NDF : 152285.6/15

Left Out: 110.502+/-0.022 χ^2/NDF : 1351376.8/16

Right Out: 96.372+/-0.026 χ^2/NDF : 209228.5/17

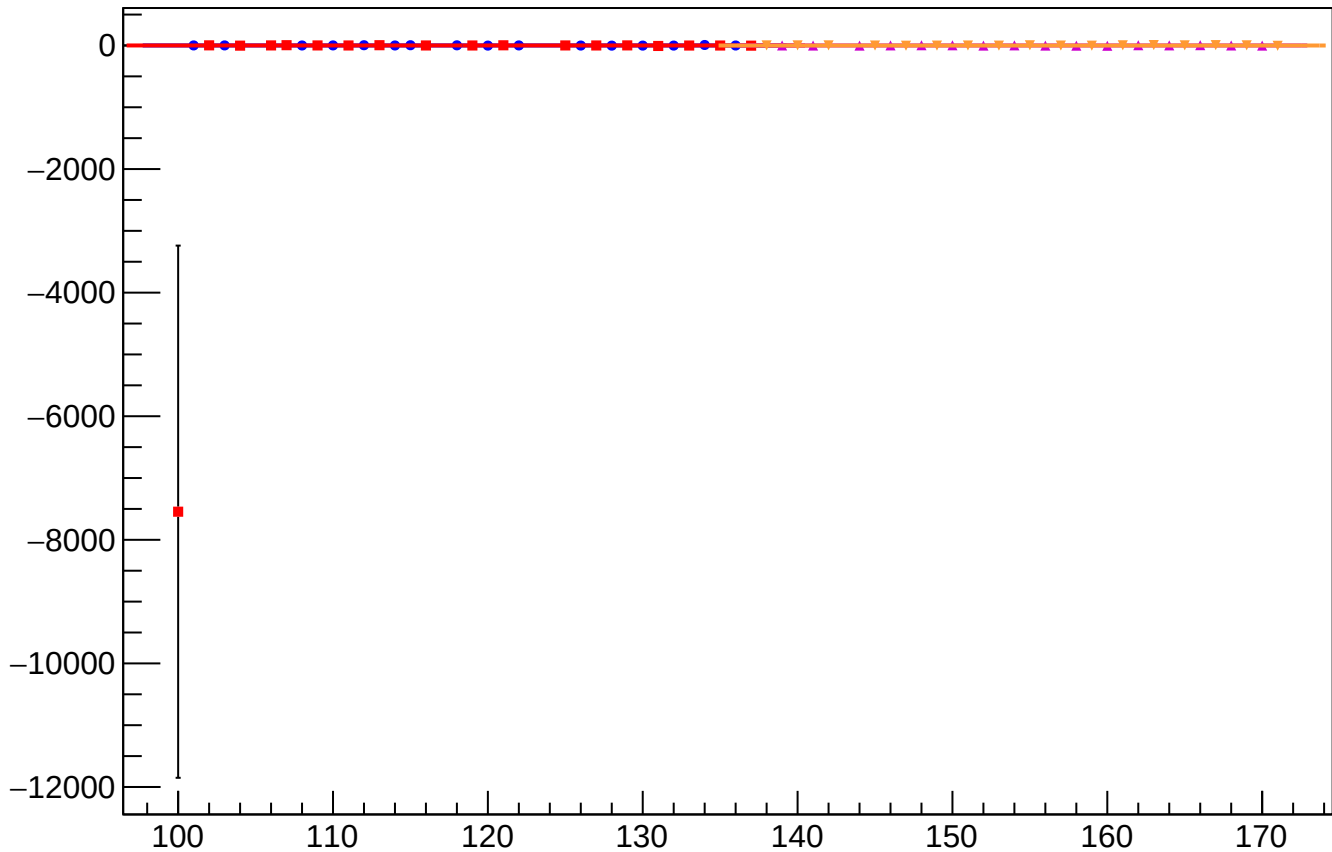
Left In: 109.834+/-0.023 χ^2/NDF : 1417327.1/15

+ sign 103.476+/-0.017 χ^2/NDF : 1733063.9/32

All: 103.747+/-0.012 χ^2/NDF : 3513032.3/66

- sign 104.021+/-0.017 χ^2/NDF : 1779456.5/33

asym_dsl_correction_mean vs Slug



Right In: 0.426 $\pm$ 0.616 χ^2/NDF : 9.7/15

Left Out: -0.581 $\pm$ 0.557 χ^2/NDF : 24.9/16

Right Out: 0.313 $\pm$ 0.643 χ^2/NDF : 22.8/17

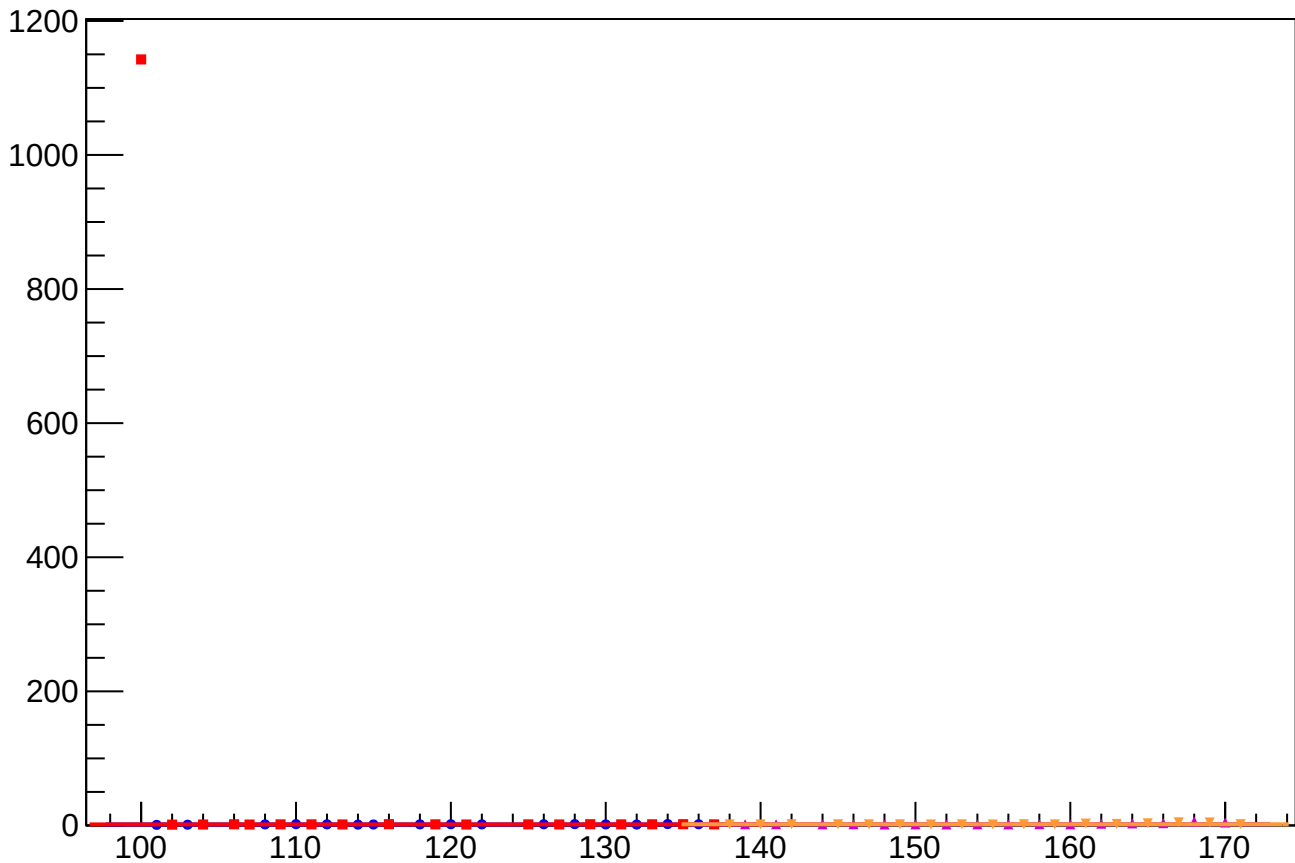
Left In: 0.075 $\pm$ 0.587 χ^2/NDF : 21.0/15

+ sign -0.128 $\pm$ 0.413 χ^2/NDF : 36.1/32

All: 0.020 $\pm$ 0.299 χ^2/NDF : 80.3/66

- sign 0.183 $\pm$ 0.433 χ^2/NDF : 43.9/33

asym_dsl_correction_rms vs Slug



Right In: 1.420 $\pm$ 0.000 χ^2 /NDF: 730935.2/15

Left Out: 1.739 $\pm$ 0.000 χ^2 /NDF: 1468394.1/16

Right Out: 1.556 $\pm$ 0.000 χ^2 /NDF: 315908.9/17

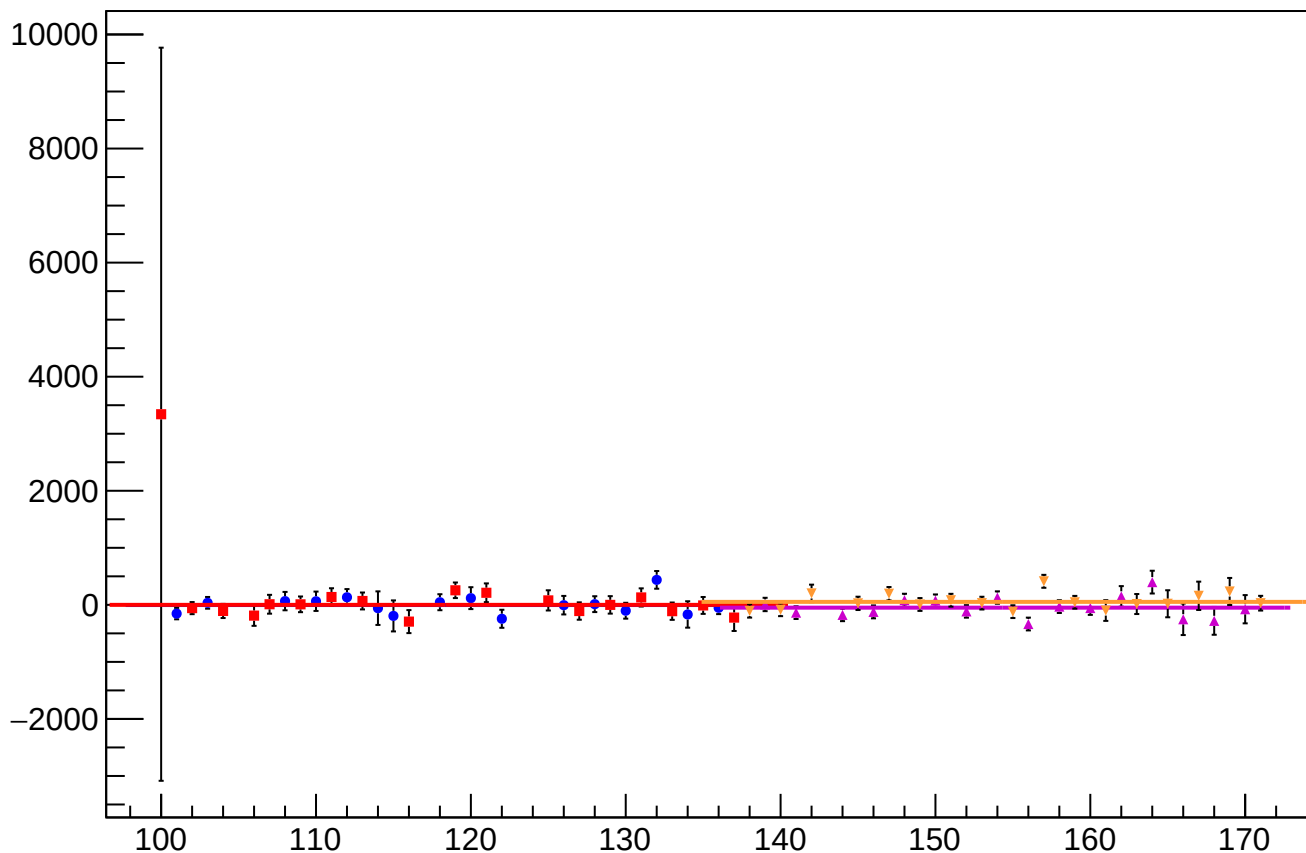
Left In: 1.835 $\pm$ 0.000 χ^2 /NDF: 1761068.7/15

+ sign 1.595 $\pm$ 0.000 χ^2 /NDF: 2495694.3/32

All: 1.649 $\pm$ 0.000 χ^2 /NDF: 4848396.3/66

- sign 1.708 $\pm$ 0.000 χ^2 /NDF: 2282312.9/33

asym_dsl_mean vs Slug



Right In: -3.099 ± 36.723 χ^2/NDF : 16.3/15

Left Out: 52.138 ± 31.737 χ^2/NDF : 20.2/16

Right Out: -0.172 ± 36.709 χ^2/NDF : 13.5/17

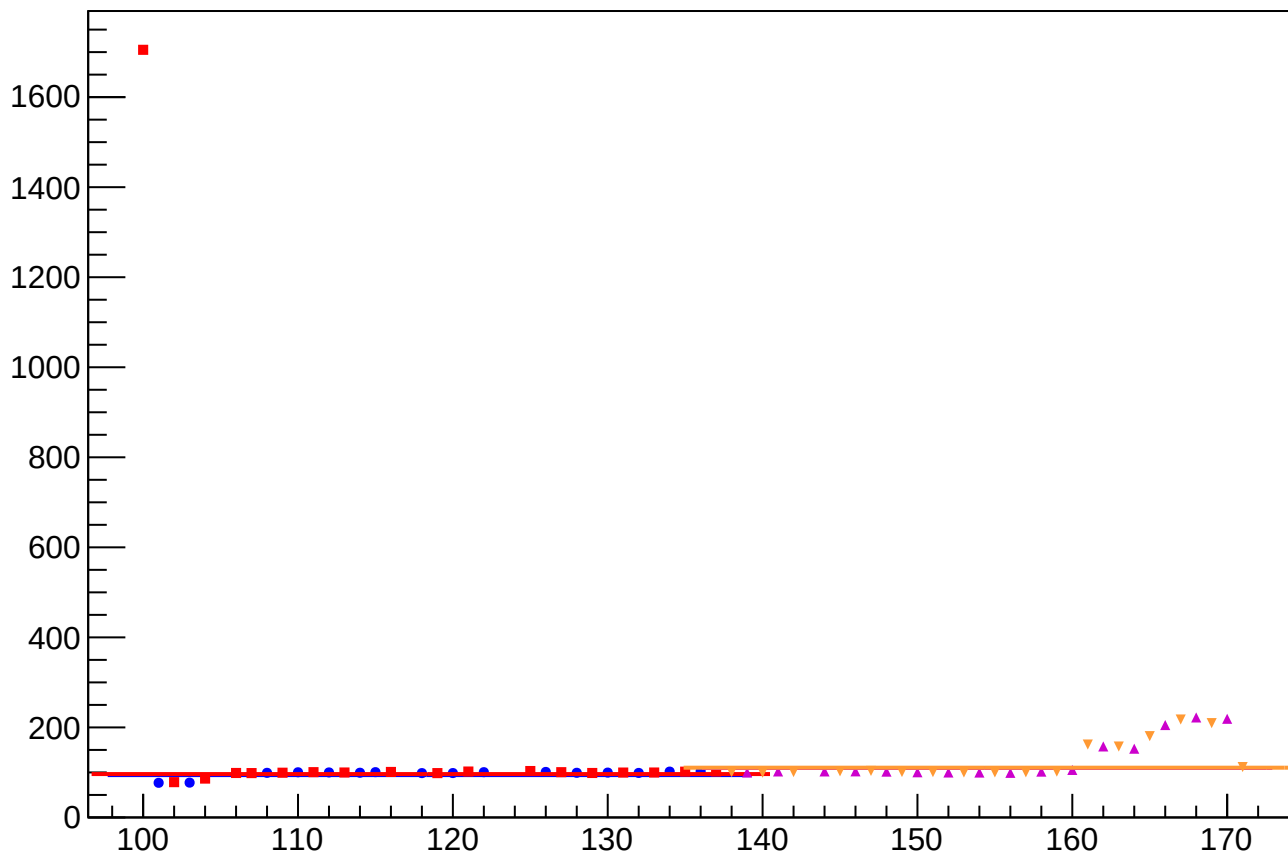
Left In: -49.350 ± 32.005 χ^2/NDF : 22.5/15

+ sign 28.522 ± 24.012 χ^2/NDF : 37.8/32

All: 0.336 ± 17.018 χ^2/NDF : 77.6/66

- sign -28.112 ± 24.124 χ^2/NDF : 37.1/33

asym_dsl_rms vs Slug



Right In: 94.093+/-0.026 χ^2/NDF : 152305.3/15

Left Out: 110.532+/-0.022 χ^2/NDF : 1352712.9/16

Right Out: 96.381+/-0.026 χ^2/NDF : 214362.3/17

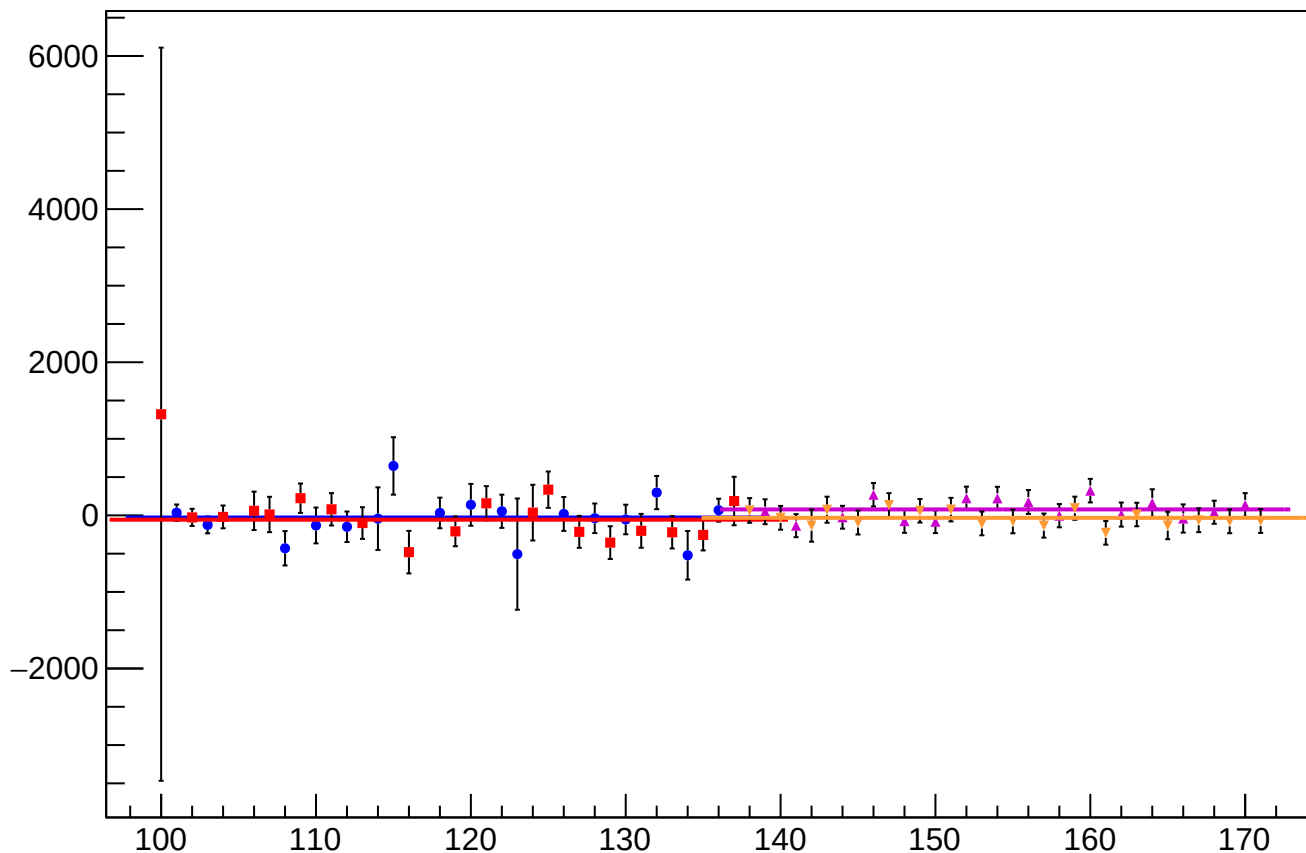
Left In: 109.864+/-0.023 χ^2/NDF : 1418596.6/15

+ sign 103.503+/-0.017 χ^2/NDF : 1734452.3/32

All: 103.771+/-0.012 χ^2/NDF : 3521207.1/66

- sign 104.041+/-0.017 χ^2/NDF : 1786255.6/33

reg_asym_dsr_mean vs Slug



Right In: -27.840 ± 46.777 χ^2/NDF : 14.3/16

Left Out: -32.310 ± 37.491 χ^2/NDF : 6.8/17

Right Out: -56.398 ± 47.708 χ^2/NDF : 14.9/18

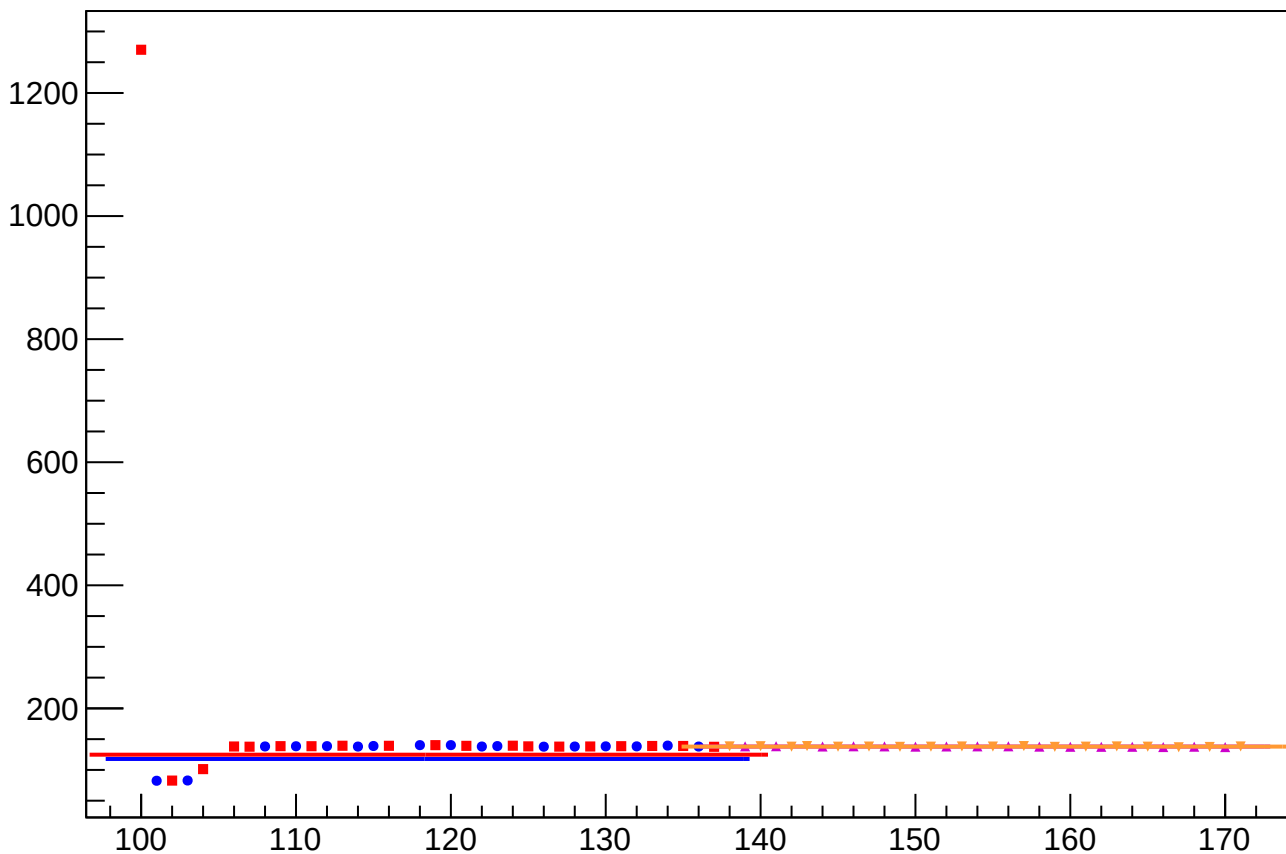
Left In: 77.827 ± 38.976 χ^2/NDF : 12.3/15

+ sign -30.562 ± 29.254 χ^2/NDF : 21.0/34

All: -4.086 ± 21.007 χ^2/NDF : 54.7/69

- sign 24.100 ± 30.184 χ^2/NDF : 31.9/34

reg_asym_dsr_rms vs Slug



Right In: 117.815 $\pm$ 0.033 χ^2 /NDF: 666581.7/16

Left Out: 137.913 $\pm$ 0.027 χ^2 /NDF: 326.0/17

Right Out: 124.763 $\pm$ 0.034 χ^2 /NDF: 569771.6/18

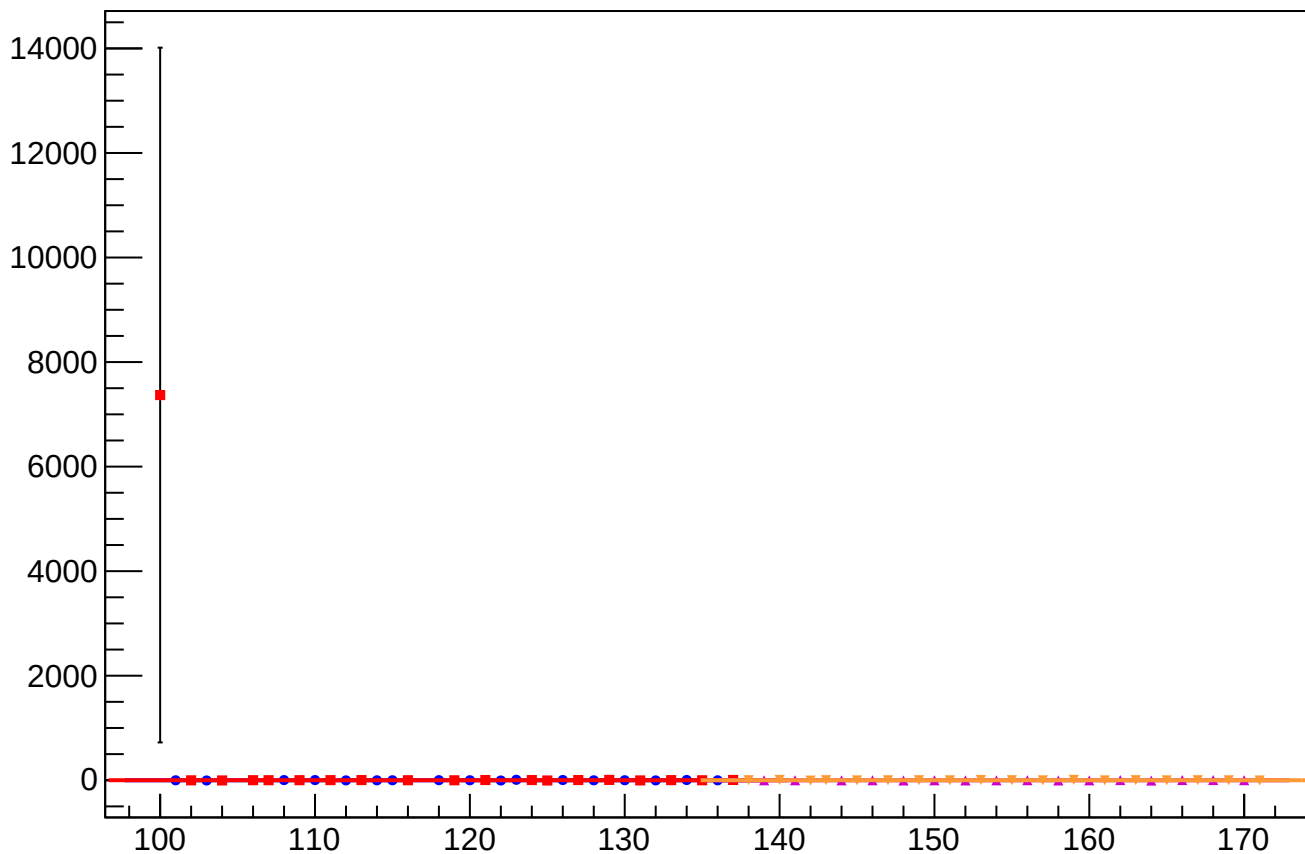
Left In: 137.975 $\pm$ 0.028 χ^2 /NDF: 221.3/15

+ sign 130.052 $\pm$ 0.021 χ^2 /NDF: 891706.5/34

All: 131.328 $\pm$ 0.015 χ^2 /NDF: 1561533.6/69

- sign 132.687 $\pm$ 0.021 χ^2 /NDF: 661970.2/34

asym_dsr_correction_mean vs Slug



Right In: -0.695 ± 0.810 χ^2/NDF : 12.7/16

Left Out: 0.198 ± 0.654 χ^2/NDF : 22.9/17

Right Out: 0.649 ± 0.851 χ^2/NDF : 13.7/18

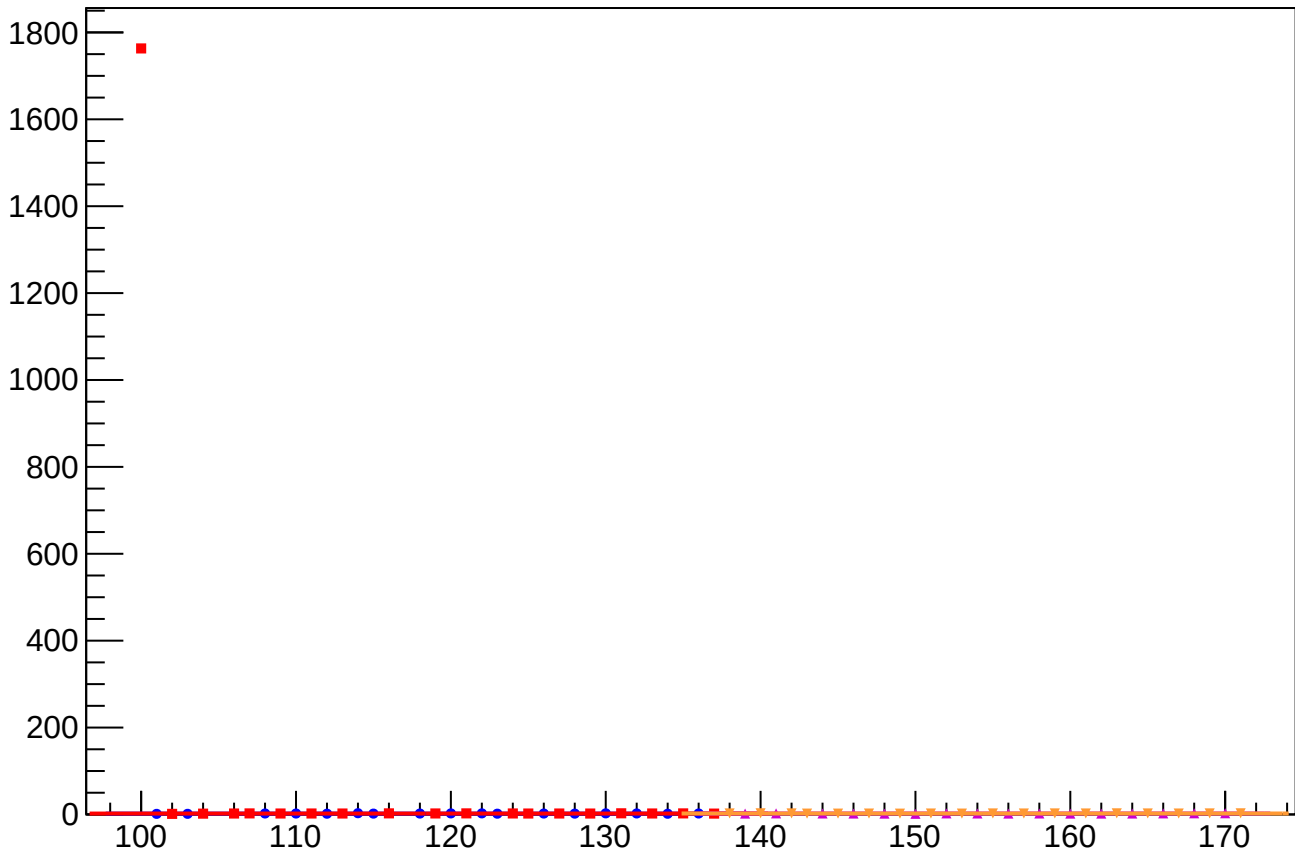
Left In: -0.628 ± 0.677 χ^2/NDF : 15.9/15

+ sign -0.155 ± 0.509 χ^2/NDF : 36.3/34

All: -0.144 ± 0.367 χ^2/NDF : 67.2/69

- sign -0.133 ± 0.530 χ^2/NDF : 30.9/34

asym_dsr_correction_rms vs Slug



Right In: 1.869 $\pm$ 0.001 χ^2 /NDF: 493173.6/16

Left Out: 2.210 $\pm$ 0.000 χ^2 /NDF:258575.4/17

Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 525497.0/18

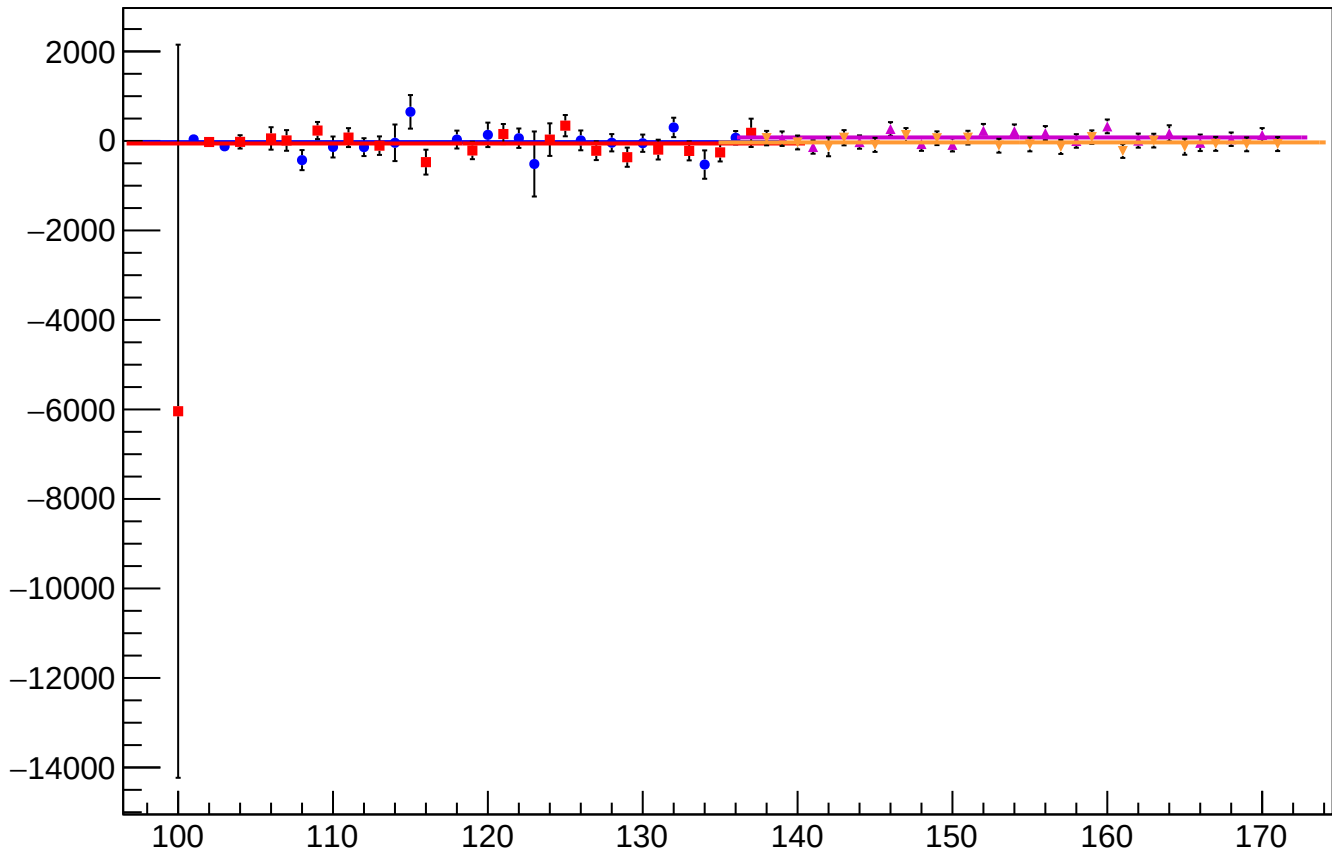
Left In: 2.158 $\pm$ 0.000 χ^2 /NDF:440687.0/15

+ sign 2.076 $\pm$ 0.000 χ^2 /NDF: 966485.7/34

All: 2.098 $\pm$ 0.000 χ^2 /NDF: 1955178.6/69

- sign 2.122 $\pm$ 0.000 χ^2 /NDF: 980755.7/34

asym_dsr_mean vs Slug



Right In: -26.258 ± 46.789 χ^2/NDF : 14.4/16

Left Out: -33.007 ± 37.501 χ^2/NDF : 6.5/17

Right Out: -57.268 ± 47.722 χ^2/NDF : 15.5/18

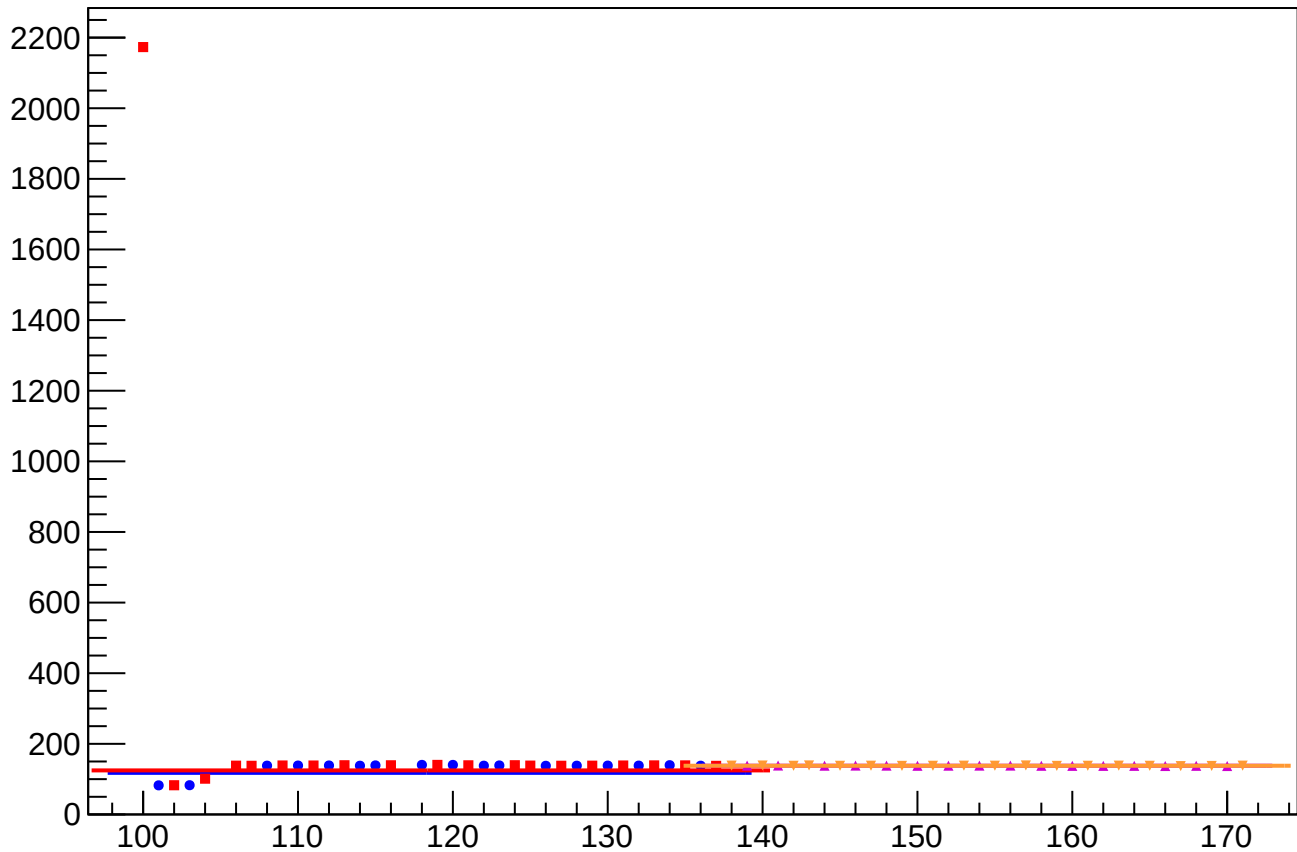
Left In: 78.024 ± 38.987 χ^2/NDF : 12.3/15

+ sign -30.368 ± 29.262 χ^2/NDF : 20.9/34

All: -4.097 ± 21.013 χ^2/NDF : 55.2/69

- sign 23.871 ± 30.192 χ^2/NDF : 32.7/34

asym_dsr_rms vs Slug



Right In: 117.847 $\pm$ 0.033 χ^2 /NDF: 666622.8/16

Left Out: 137.950 $\pm$ 0.027 χ^2 /NDF: 325.8/17

Right Out: 124.752 $\pm$ 0.034 χ^2 /NDF: 580350.4/18

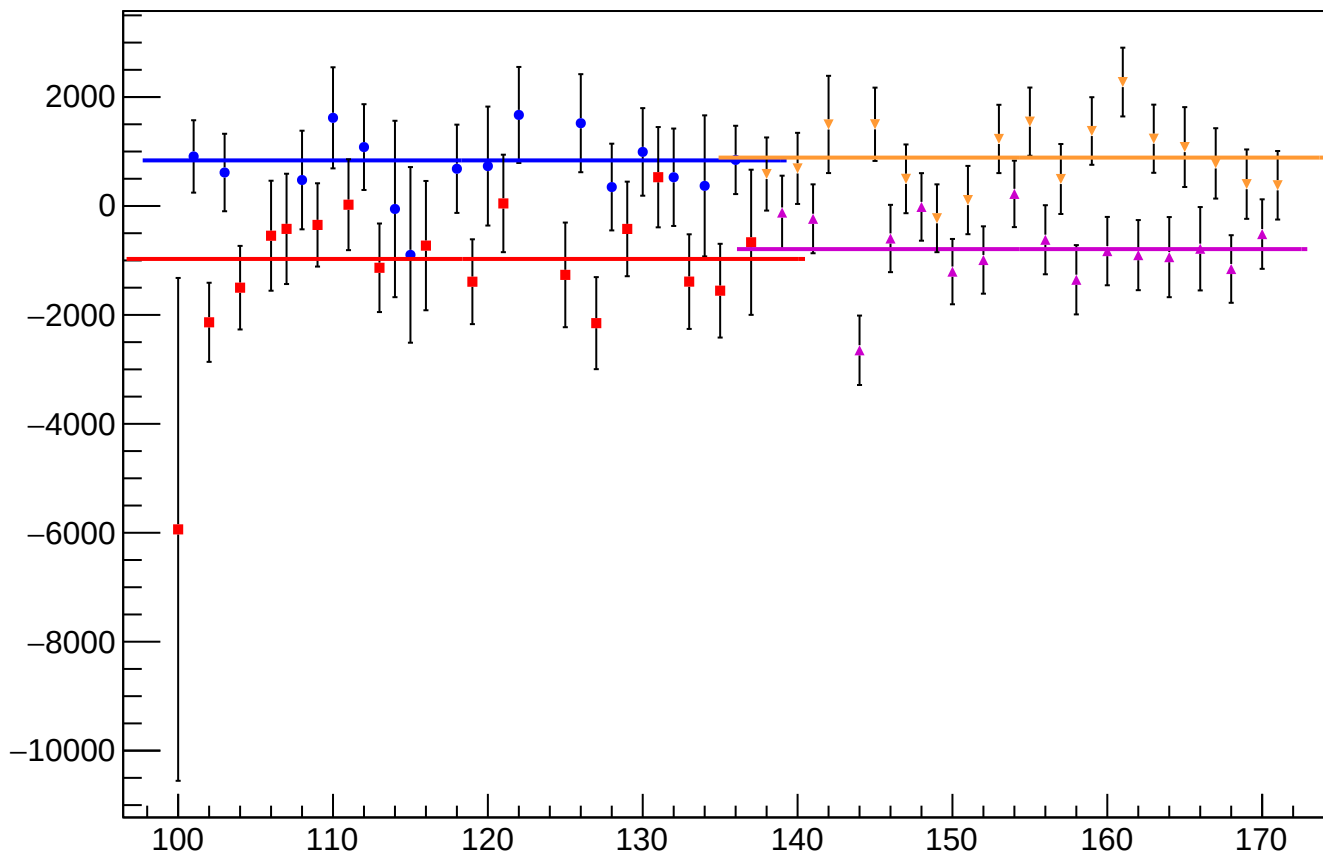
Left In: 138.014 $\pm$ 0.028 χ^2 /NDF: 217.8/15

+ sign 130.087 $\pm$ 0.021 χ^2 /NDF: 891740.2/34

All: 131.355 $\pm$ 0.015 χ^2 /NDF: 1572686.1/69

- sign 132.706 $\pm$ 0.021 χ^2 /NDF: 673187.9/34

reg_asym_left_avg_mean vs Slug



Right In: 837.048 $\pm$ 216.181 χ^2 /NDF: 4.7/15

Left Out: 888.429 $\pm$ 157.960 χ^2 /NDF: 15.6/16

Right Out: -972.425 $\pm$ 212.746 χ^2 /NDF: 14.3/17

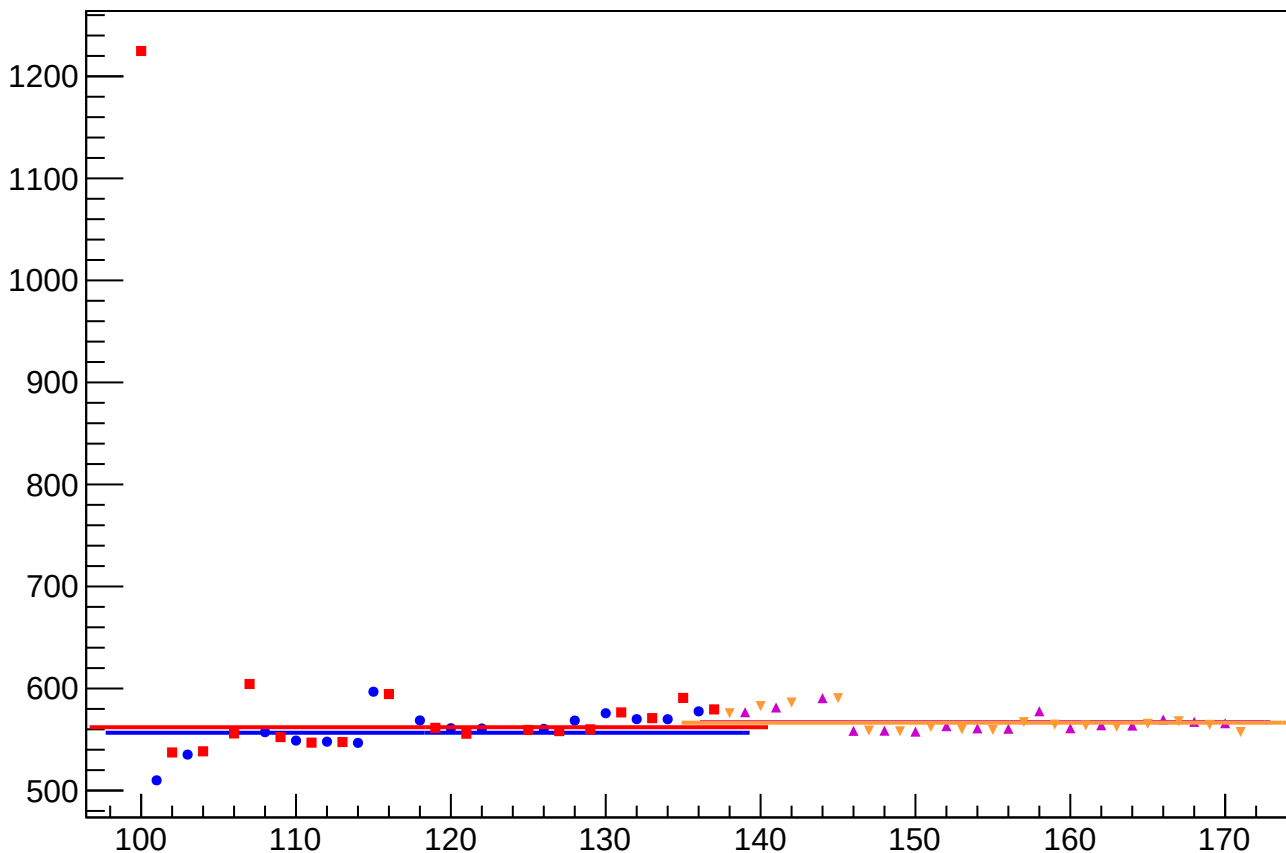
Left In: -791.671 $\pm$ 160.215 χ^2 /NDF: 16.7/15

+ sign 870.545 $\pm$ 127.541 χ^2 /NDF: 20.3/32

All: 9.720 $\pm$ 90.341 χ^2 /NDF: 143.2/66

- sign -857.085 $\pm$ 127.983 χ^2 /NDF: 31.4/33

reg_asym_left_avg_rms vs Slug



Right In: 556.637 $\pm$ 0.153 χ^2 /NDF: 18391.7/15

Left Out: 566.530 $\pm$ 0.112 χ^2 /NDF: 6983.8/16

Right Out: 562.048 $\pm$ 0.150 χ^2 /NDF: 55575.3/17

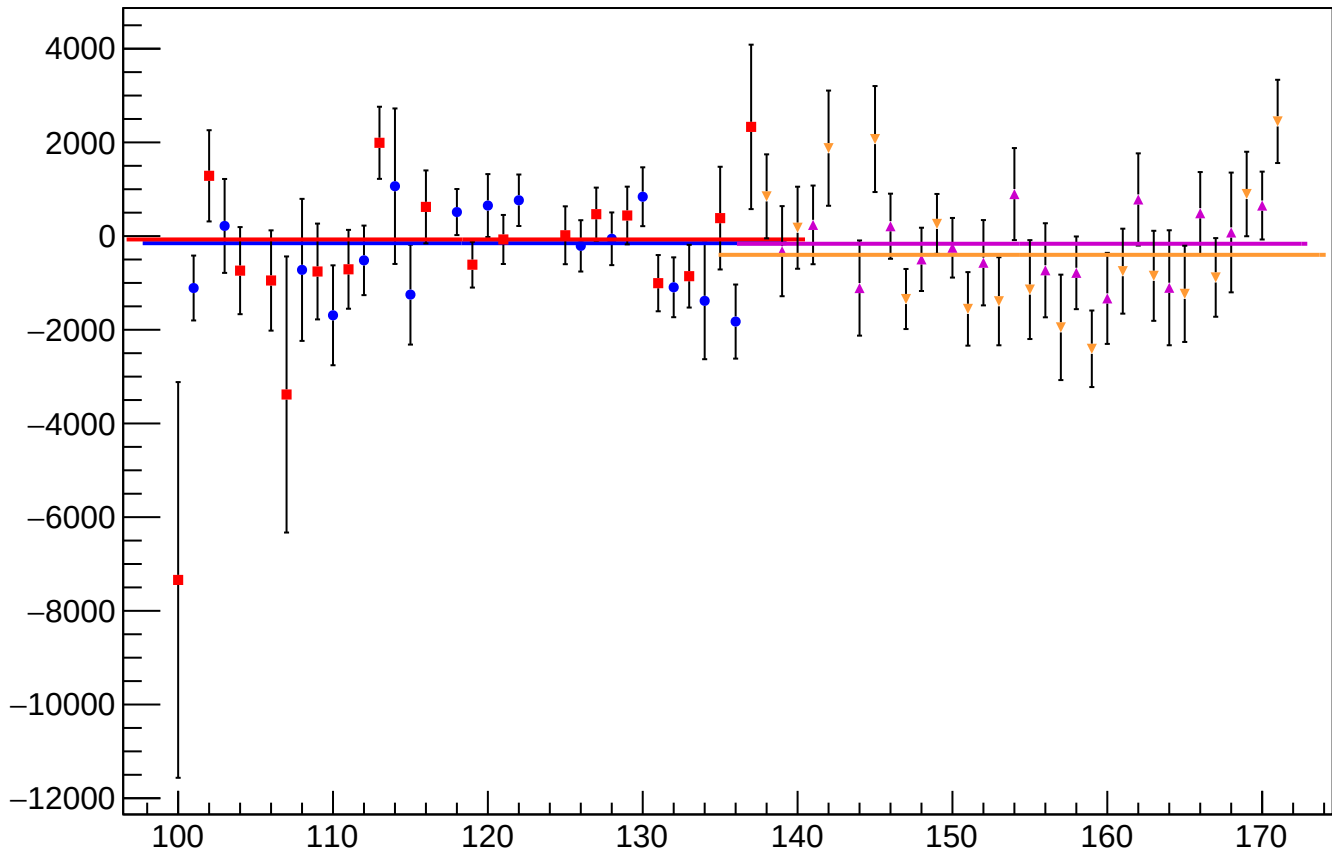
Left In: 567.118 $\pm$ 0.113 χ^2 /NDF: 6736.5/15

+ sign 563.086 $\pm$ 0.090 χ^2 /NDF: 28105.7/32

All: 564.181 $\pm$ 0.064 χ^2 /NDF: 91437.9/66

- sign 565.283 $\pm$ 0.090 χ^2 /NDF: 63036.5/33

asym_left_avg_correction_mean vs Slug



Right In: -151.876 ± 180.078 χ^2/NDF : 22.3/15

Left Out: -400.156 ± 213.337 χ^2/NDF : 39.2/16

Right Out: -71.760 ± 178.665 χ^2/NDF : 25.0/17

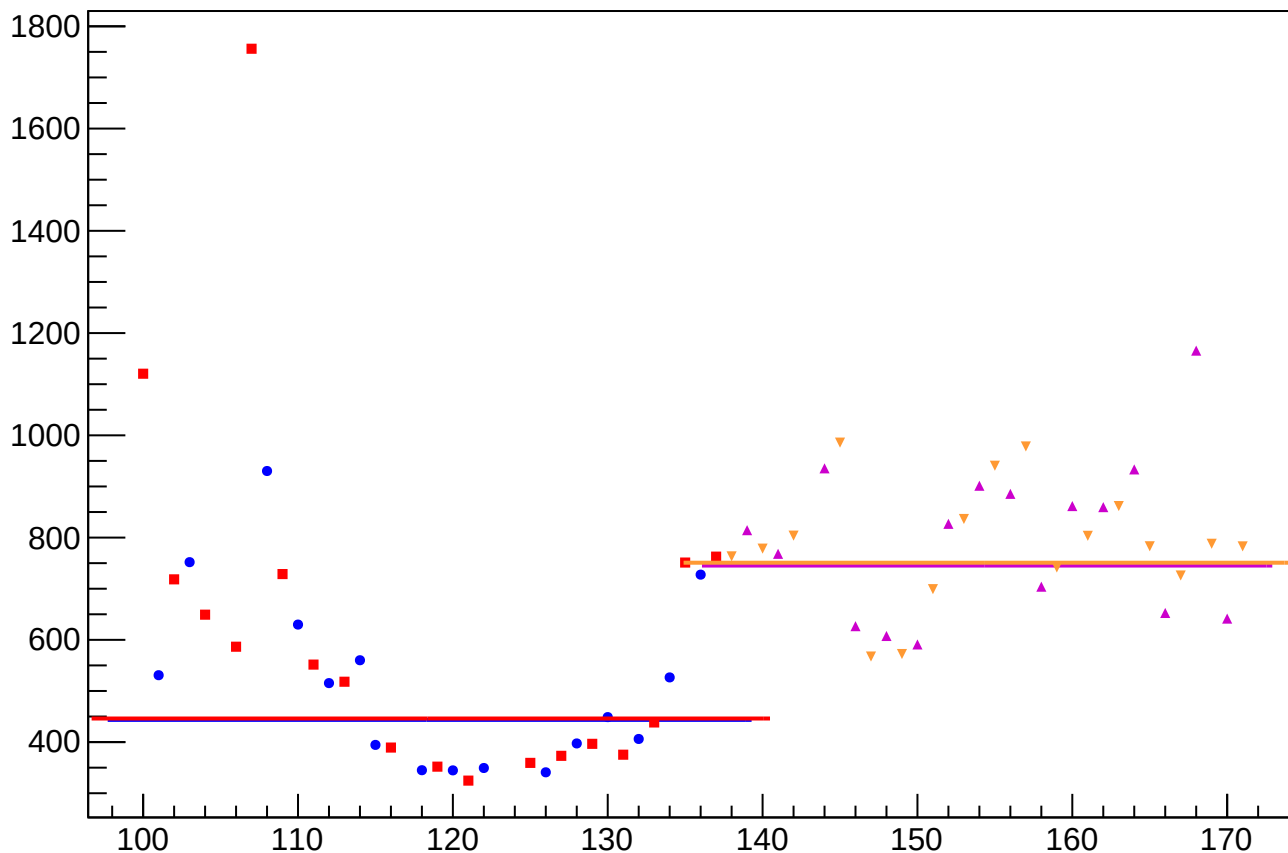
Left In: -163.890 ± 214.867 χ^2/NDF : 8.8/15

+ sign -255.176 ± 137.608 χ^2/NDF : 62.3/32

All: -182.176 ± 97.222 χ^2/NDF : 96.8/66

- sign -109.421 ± 137.377 χ^2/NDF : 33.9/33

asym_left_avg_correction_rms vs Slug



Right In: 443.451+/-0.127 χ^2/NDF : 1060940.9/15

Left Out: 750.864+/-0.151 χ^2/NDF : 627041.9/16

Right Out: 446.147+/-0.126 χ^2/NDF : 1459986.4/17

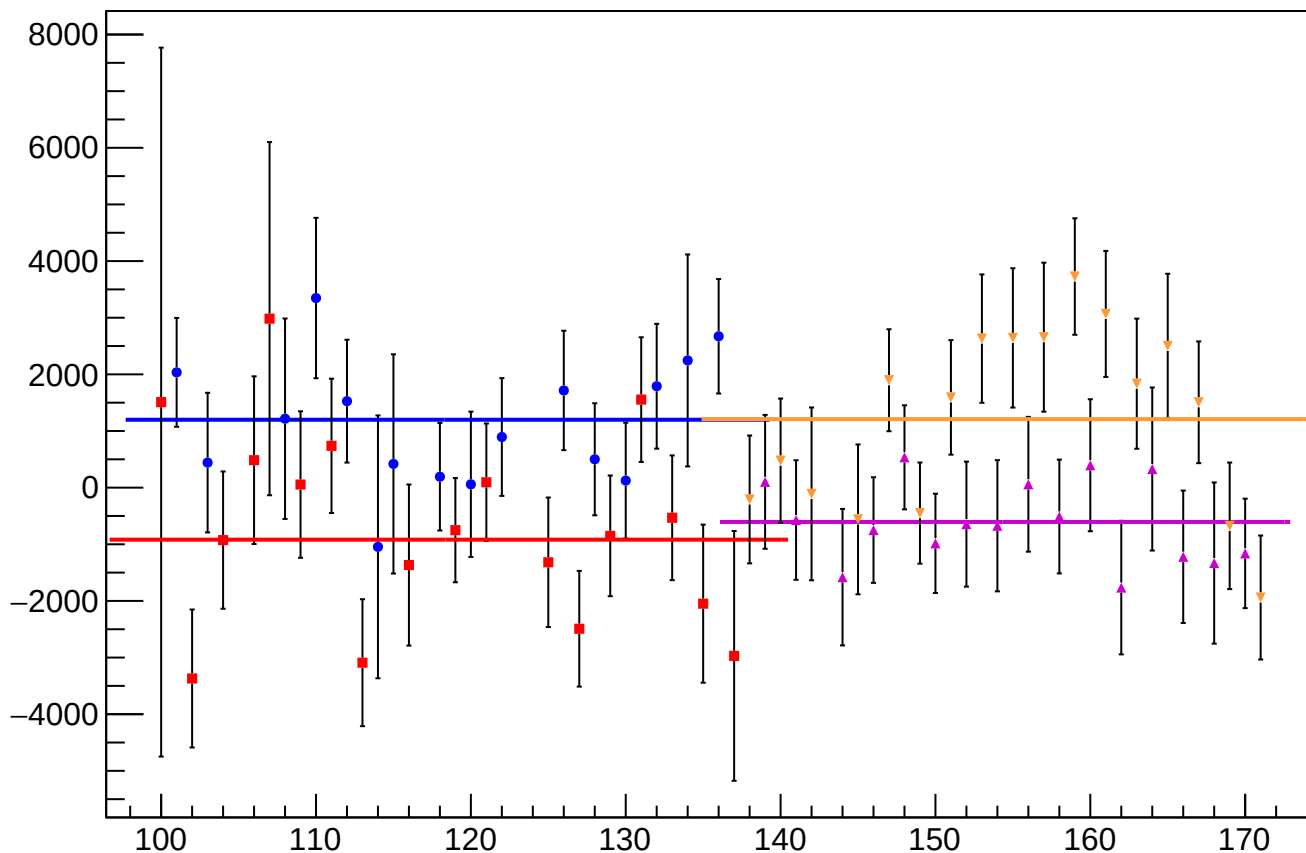
Left In: 745.307+/-0.152 χ^2/NDF : 834235.5/15

+ sign 571.354+/-0.097 χ^2/NDF : 4112976.7/32

All: 569.893+/-0.069 χ^2/NDF : 8699816.0/66

- sign 568.438+/-0.097 χ^2/NDF : 4586389.5/33

asym_left_avg_mean vs Slug



Right In: 1198.972 ± 295.243 χ^2/NDF : 11.2/15

Left Out: 1209.748 ± 269.856 χ^2/NDF : 34.2/16

Right Out: -918.412 ± 293.294 χ^2/NDF : 23.2/17

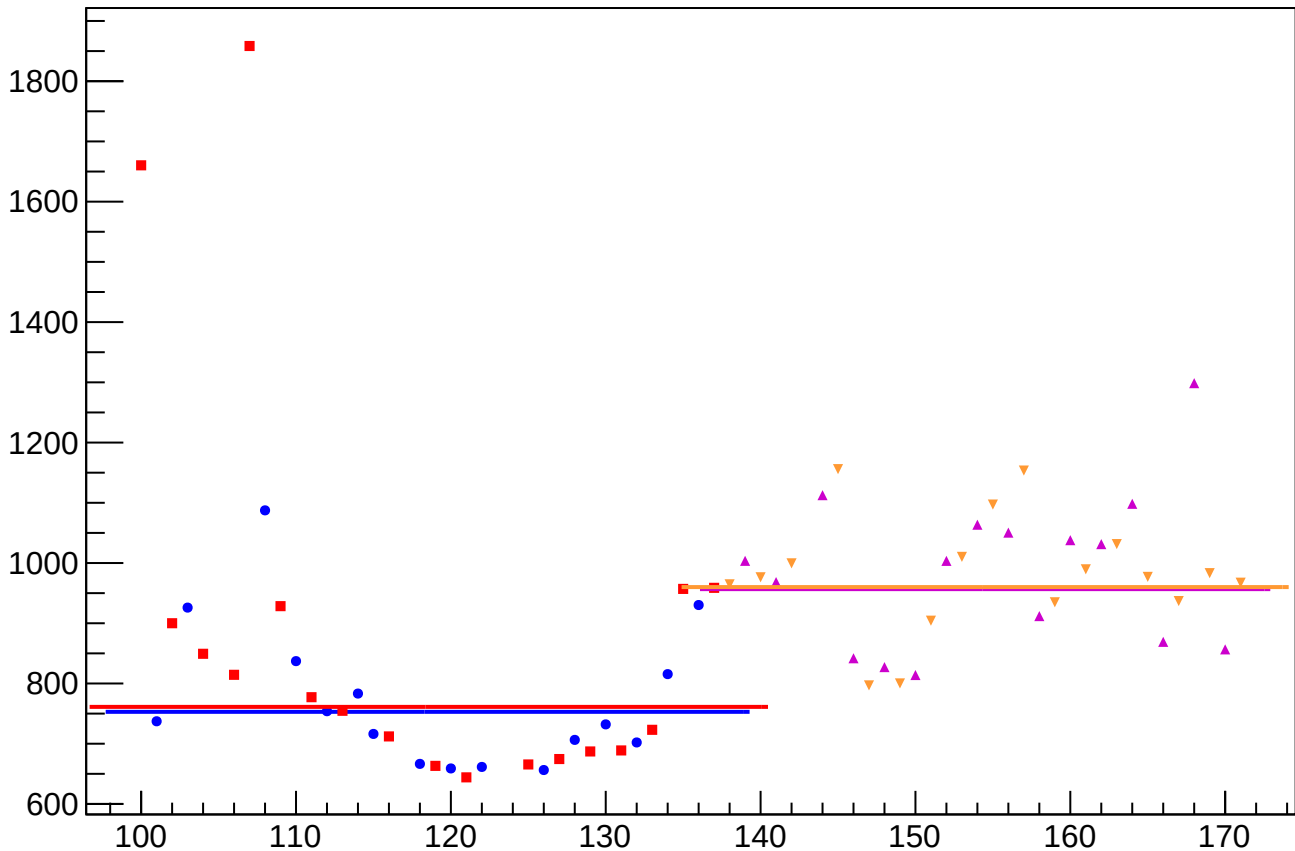
Left In: -605.923 ± 272.756 χ^2/NDF : 6.1/15

+ sign 1204.843 ± 199.189 χ^2/NDF : 45.4/32

All: 229.673 ± 141.040 χ^2/NDF : 123.4/66

- sign -750.844 ± 199.734 χ^2/NDF : 29.9/33

asym_left_avg_rms vs Slug



Right In: 752.937+/-0.209 χ^2/NDF : 252526.4/15

Left Out: 960.058+/-0.191 χ^2/NDF : 266214.7/16

Right Out: 761.160+/-0.207 χ^2/NDF : 517136.7/17

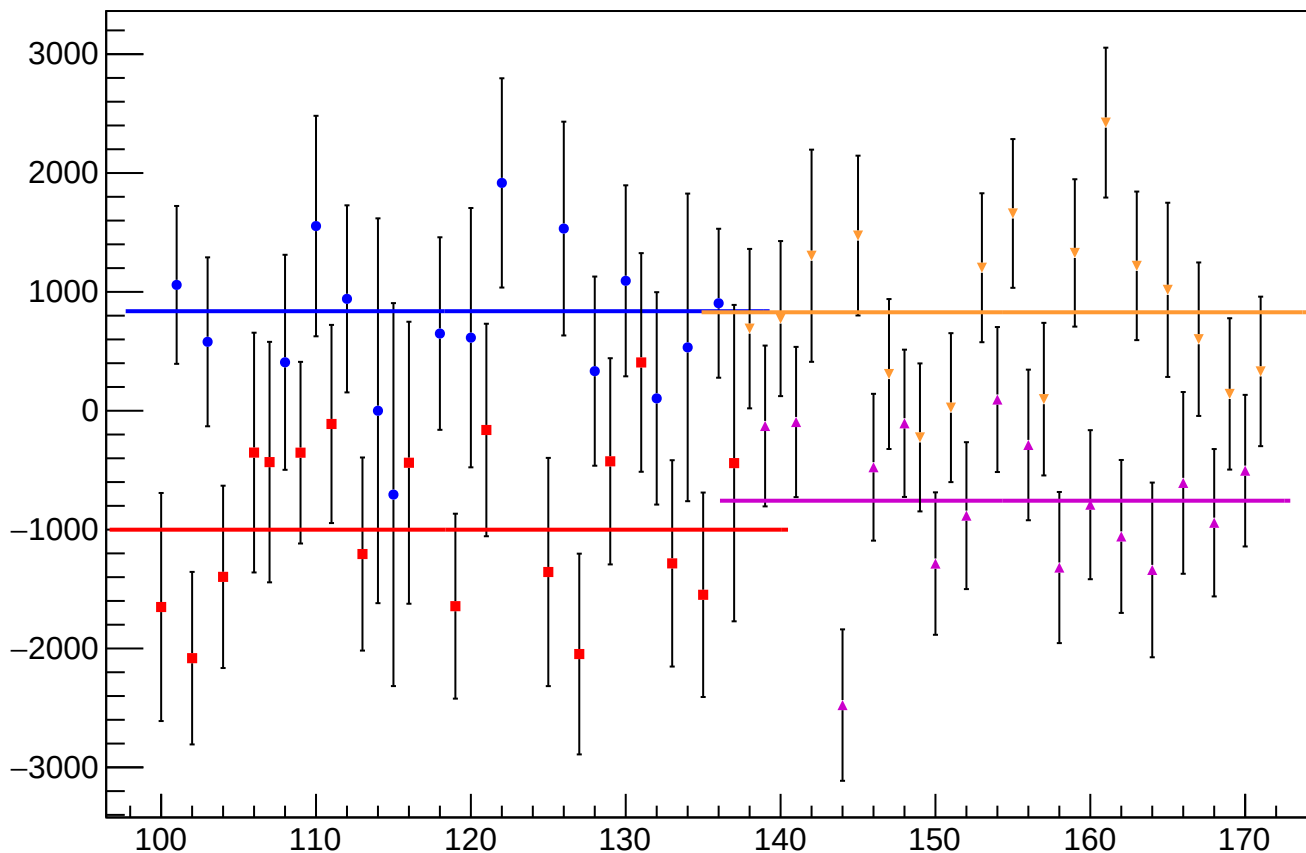
Left In: 956.670+/-0.193 χ^2/NDF : 382430.5/15

+ sign 865.784+/-0.141 χ^2/NDF : 1055010.7/32

All: 865.891+/-0.100 χ^2/NDF : 2431136.6/66

- sign 866.000+/-0.141 χ^2/NDF : 1376124.8/33

reg_asym_left_dd_mean vs Slug



Right In: 837.557 ± 216.015 χ^2/NDF : 5.7/15

Left Out: 828.505 ± 157.827 χ^2/NDF : 19.3/16

Right Out: -1000.617 ± 207.748 χ^2/NDF : 12.5/17

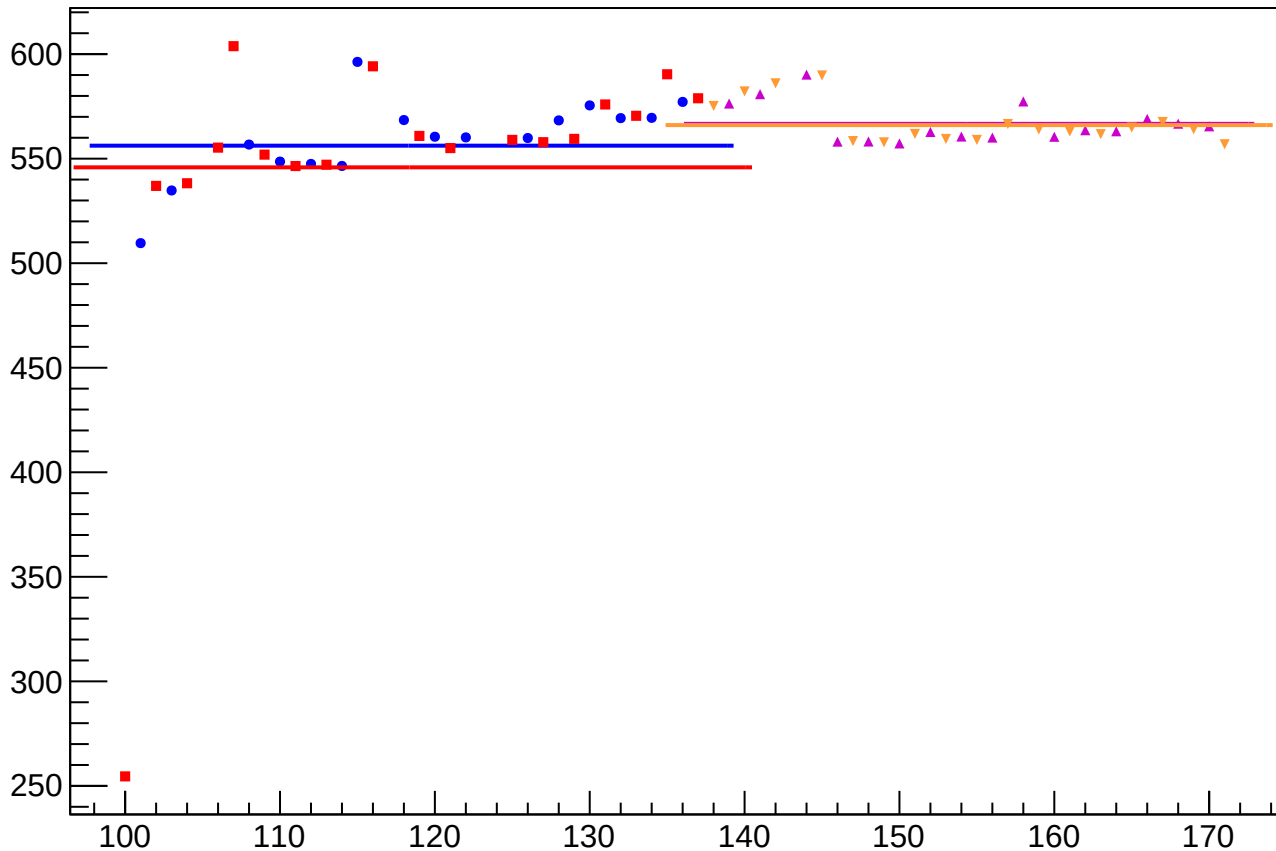
Left In: -756.825 ± 160.083 χ^2/NDF : 15.8/15

+ sign 831.655 ± 127.437 χ^2/NDF : 25.0/32

All: -12.178 ± 89.887 χ^2/NDF : 141.4/66

- sign -847.652 ± 126.804 χ^2/NDF : 29.2/33

reg_asym_left_dd_rms vs Slug



Right In: 556.210 $\pm$ 0.153 χ^2 /NDF: 18417.4/15

Left Out: 566.052 $\pm$ 0.112 χ^2 /NDF: 6931.5/16

Right Out: 545.844 $\pm$ 0.147 χ^2 /NDF: 207640.3/17

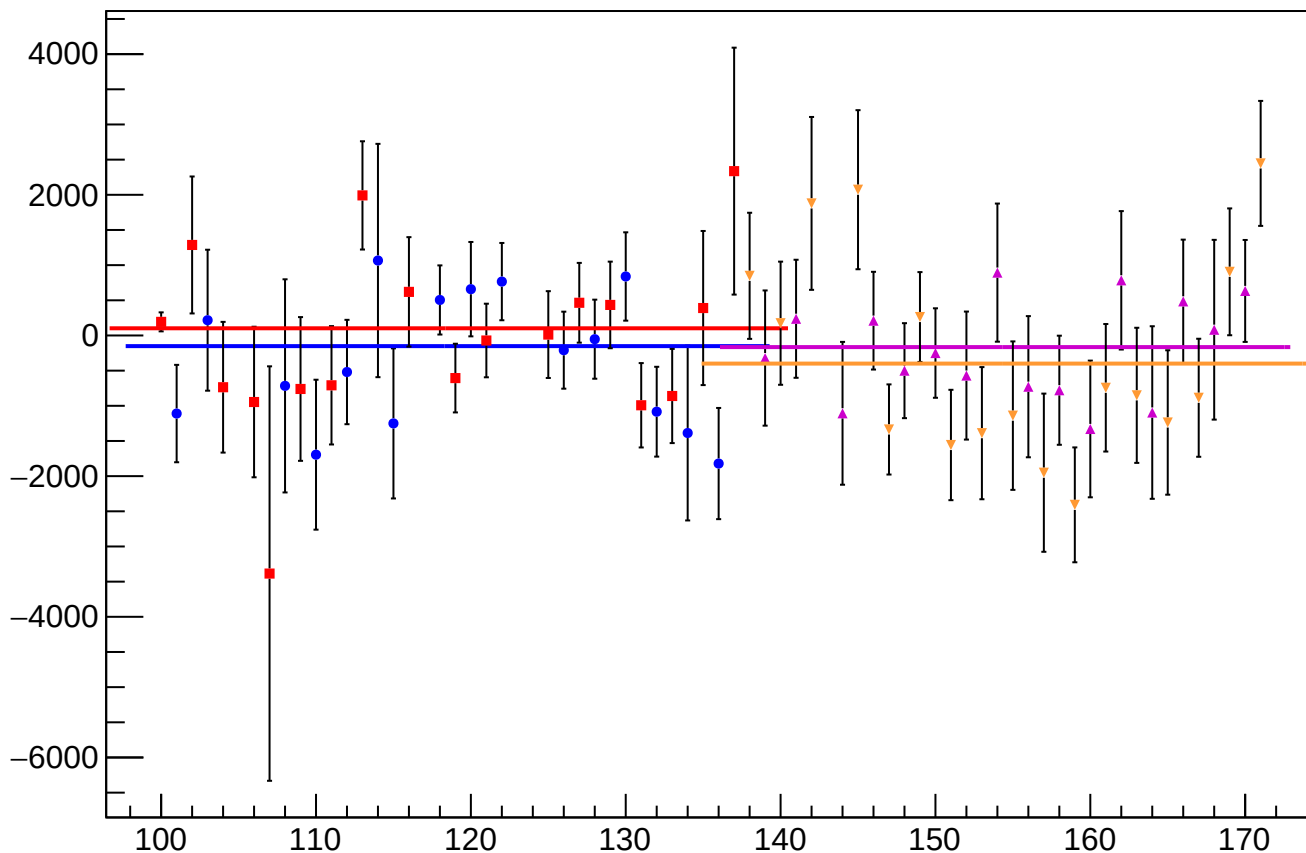
Left In: 566.649 $\pm$ 0.113 χ^2 /NDF: 6766.5/15

+ sign 562.627 $\pm$ 0.090 χ^2 /NDF: 28055.8/32

All: 560.753 $\pm$ 0.064 χ^2 /NDF: 255907.7/66

- sign 558.898 $\pm$ 0.090 χ^2 /NDF: 226991.4/33

asym_left_dd_correction_mean vs Slug



Right In: -151.459+/-179.991 χ^2/NDF : 22.3/15

Left Out: -399.804+/-213.249 χ^2/NDF : 39.2/16

Right Out: 102.079+/-107.707 χ^2/NDF : 23.2/17

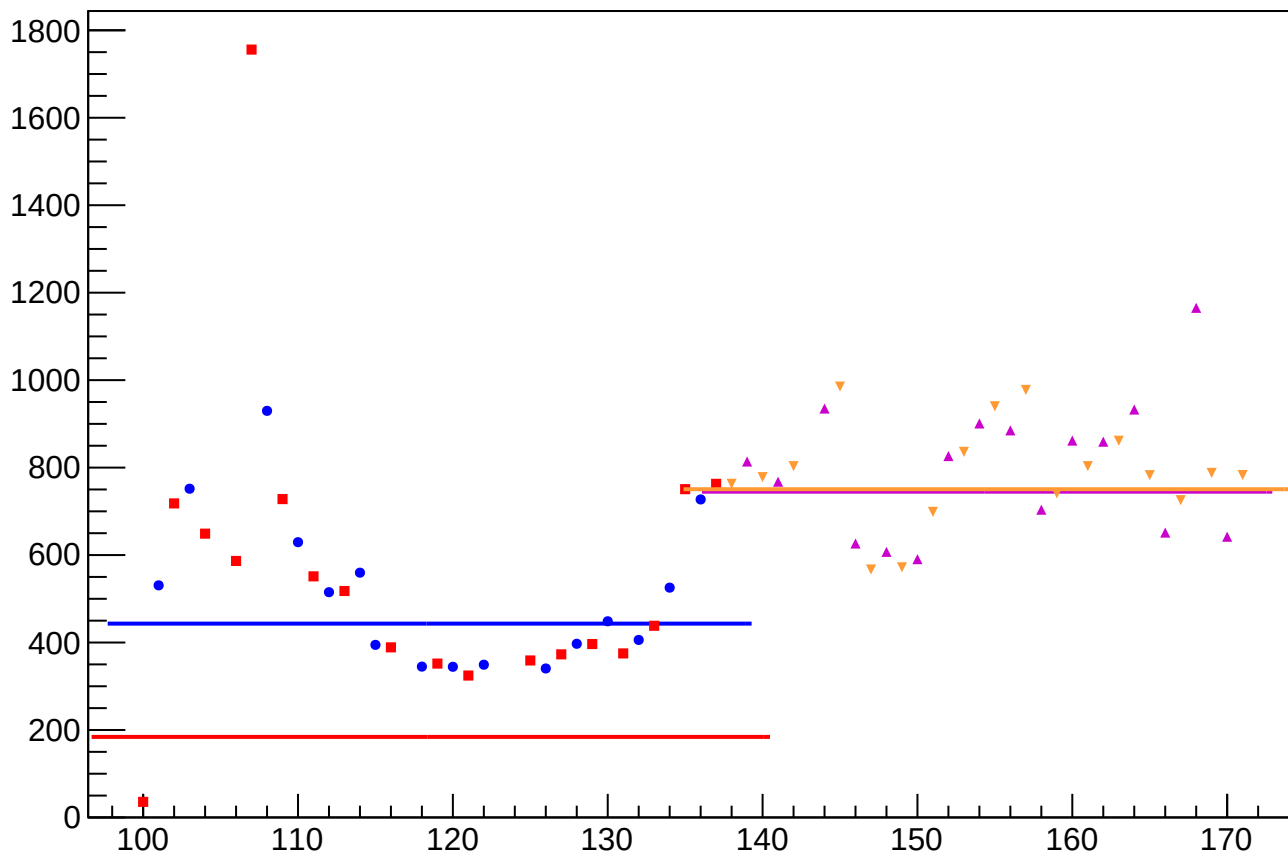
Left In: -165.249+/-214.768 χ^2/NDF : 8.7/15

+ sign -254.777+/-137.546 χ^2/NDF : 62.3/32

All: -51.327+/-78.875 χ^2/NDF : 98.8/66

- sign 48.356+/-96.278 χ^2/NDF : 33.2/33

asym_left_dd_correction_rms vs Slug



Right In: 443.240+/-0.127 χ^2/NDF : 1060784.8/15

Left Out: 750.569+/-0.151 χ^2/NDF : 627631.9/16

Right Out: 184.215+/-0.076 χ^2/NDF : 8079776.8/17

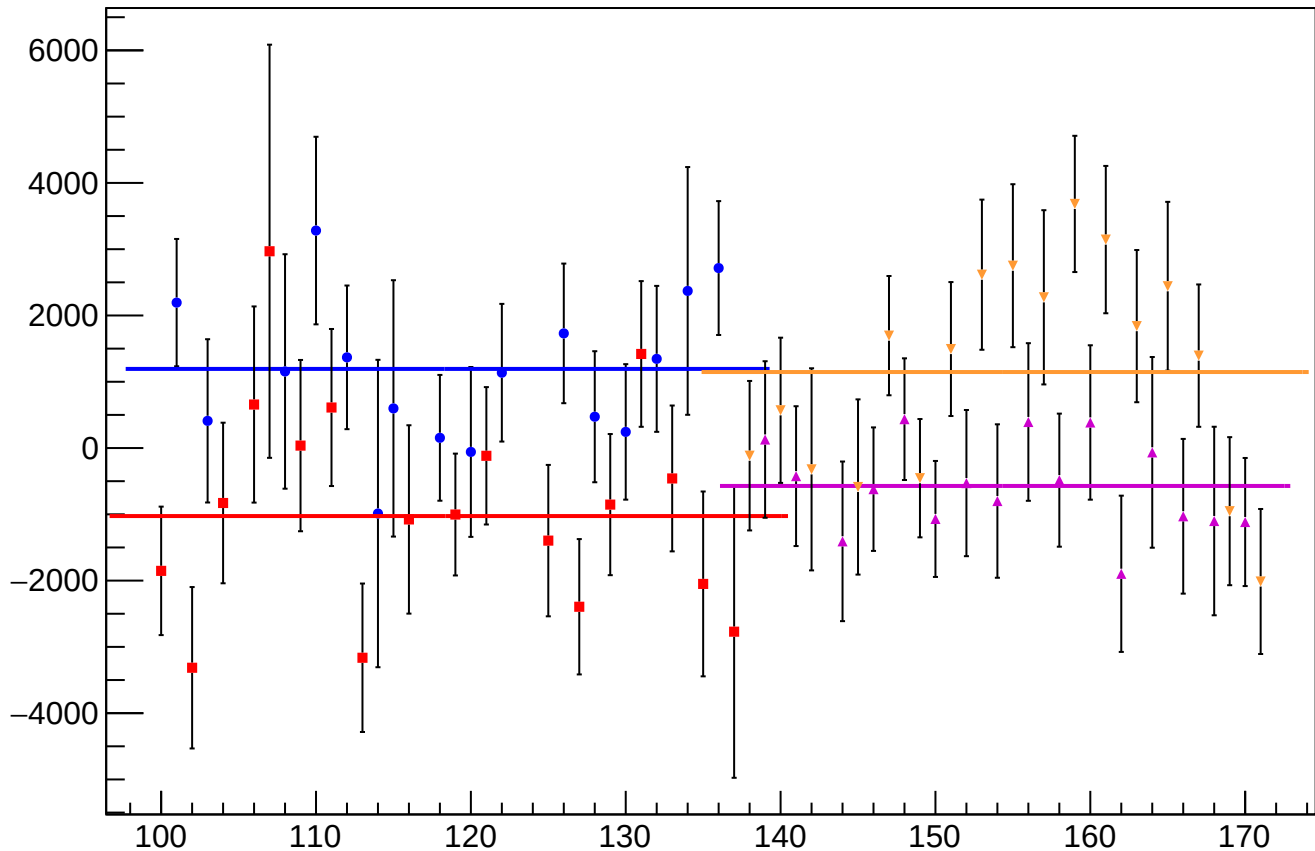
Left In: 744.959+/-0.152 χ^2/NDF : 834467.1/15

+ sign 571.097+/-0.097 χ^2/NDF : 4114227.8/32

All: 387.070+/-0.056 χ^2/NDF : 29256709.9/60

- sign 296.904+/-0.068 χ^2/NDF : 19808229.8/33

asym_left_dd_mean vs Slug



Right In: 1193.849 $\pm$ 295.046 χ^2 /NDF: 11.2/15

Left Out: 1146.926 $\pm$ 269.701 χ^2 /NDF:34.7/16

Right Out: -1026.130 $\pm$ 280.822 χ^2 /NDF: 22.5/17

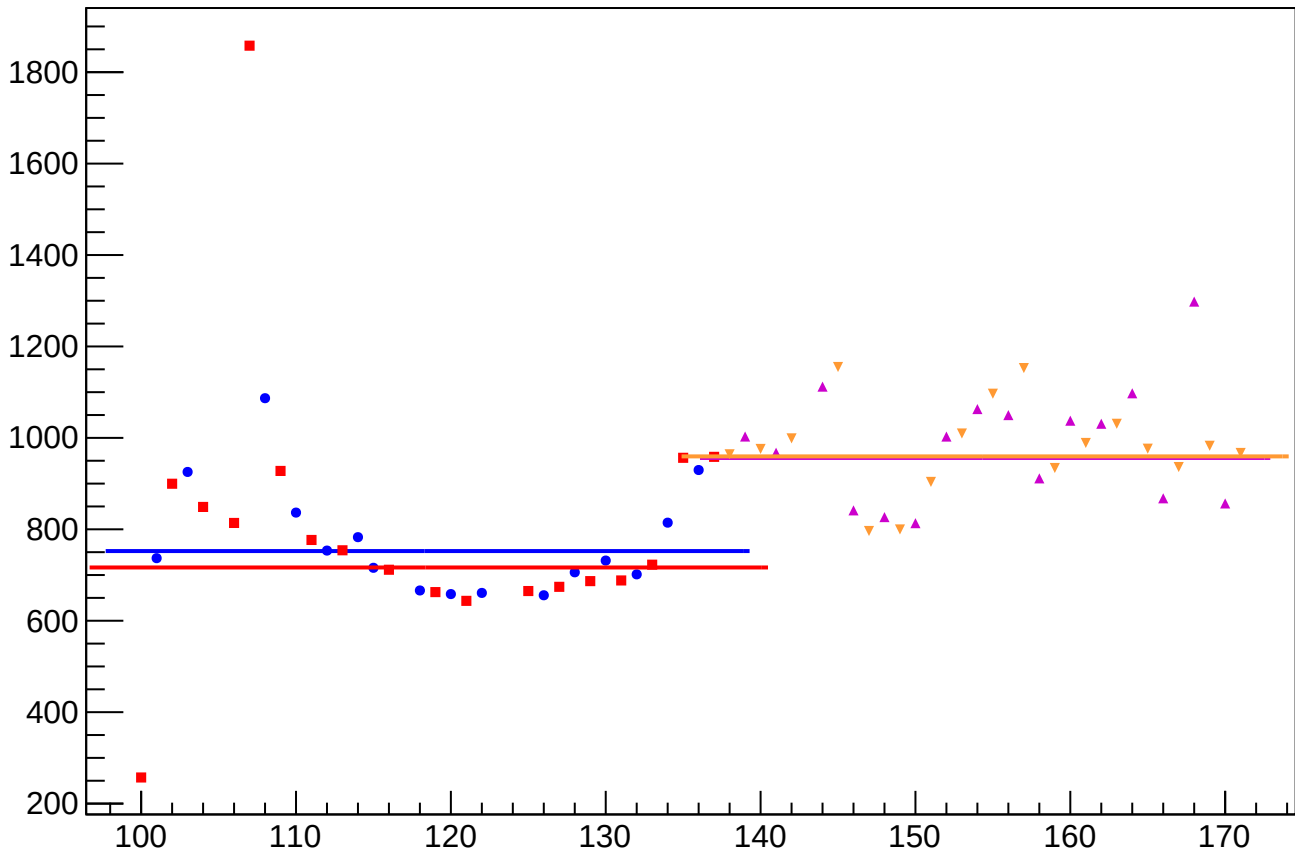
Left In: -571.847 $\pm$ 272.594 χ^2 /NDF:5.8/15

+ sign 1168.286 $\pm$ 199.066 χ^2 /NDF: 45.8/32

All: 170.797 $\pm$ 139.518 χ^2 /NDF: 124.8/66

- sign -792.236 $\pm$ 195.597 χ^2 /NDF: 29.6/33

asym_left_dd_rms vs Slug



Right In: 752.429+/-0.209 χ^2/NDF : 252705.1/15

Left Out: 959.516+/-0.191 χ^2/NDF : 266174.1/16

Right Out: 716.522+/-0.199 χ^2/NDF : 966934.7/17

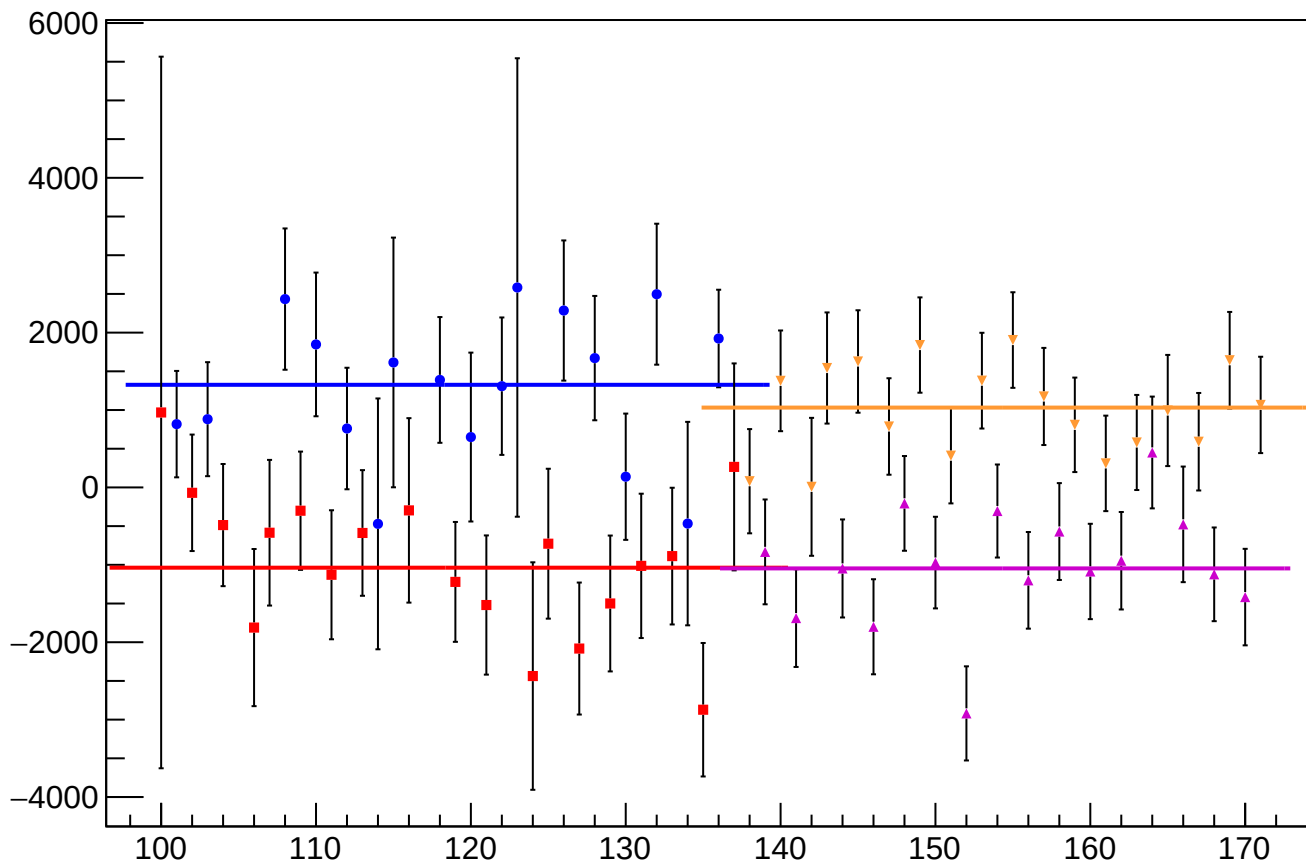
Left In: 956.096+/-0.193 χ^2/NDF : 382686.2/15

+ sign 865.247+/-0.141 χ^2/NDF : 1055646.6/32

All: 852.336+/-0.099 χ^2/NDF : 3171249.5/66

- sign 839.870+/-0.138 χ^2/NDF : 2099065.8/33

reg_asym_right_avg_mean vs Slug



Right In: 1325.776 $\pm$ 218.106 χ^2 /NDF: 12.9/16

Left Out: 1031.535 $\pm$ 152.077 χ^2 /NDF:13.7/17

Right Out: -1037.028 $\pm$ 211.583 χ^2 /NDF: 13.4/18

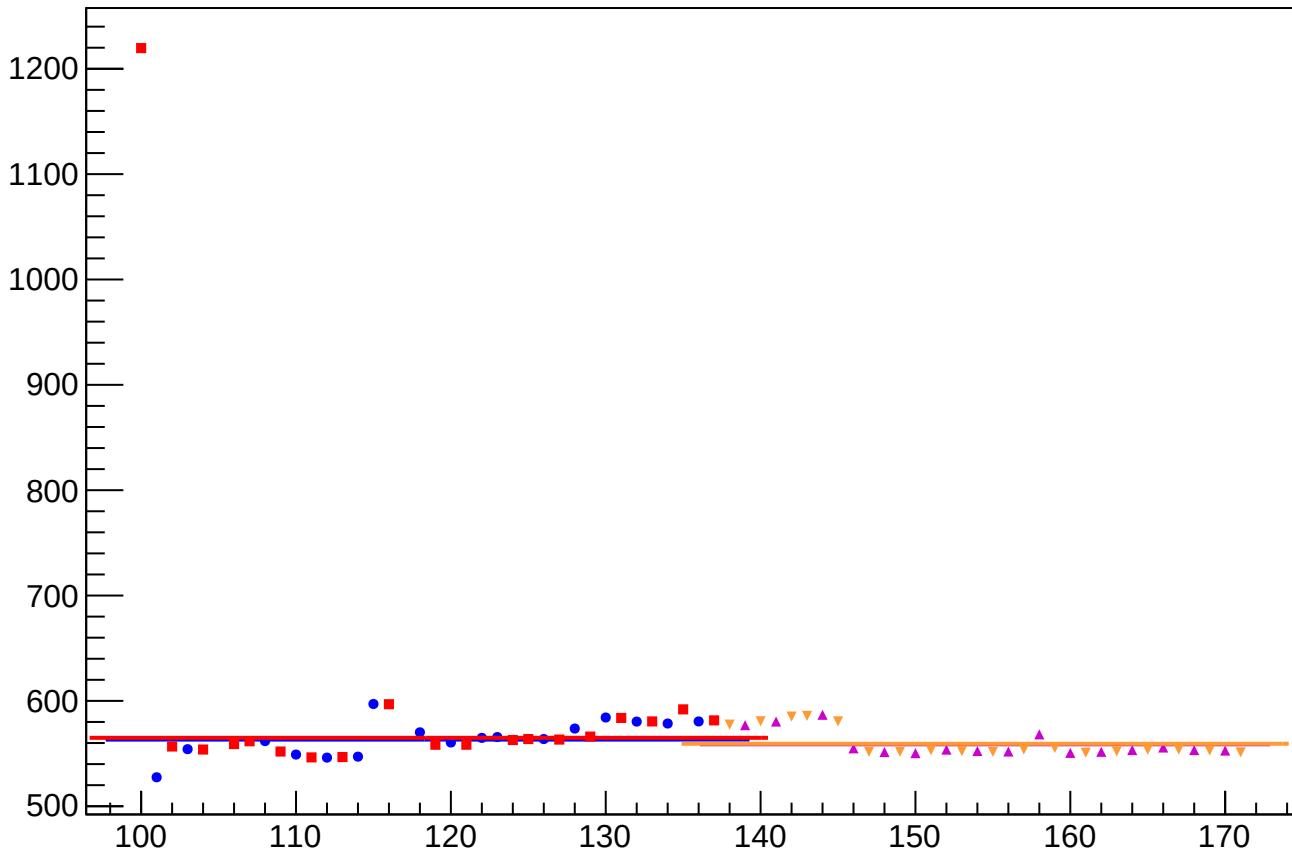
Left In: -1046.398 $\pm$ 157.875 χ^2 /NDF:21.5/15

+ sign 1127.790 $\pm$ 124.746 χ^2 /NDF: 27.8/34

All: 57.803 $\pm$ 88.834 χ^2 /NDF: 211.9/69

- sign -1043.047 $\pm$ 126.533 χ^2 /NDF: 34.9/34

reg_asym_right_avg_rms vs Slug



Right In: 563.266 $\pm$ 0.154 χ^2 /NDF: 12520.3/16

Left Out: 559.300 $\pm$ 0.108 χ^2 /NDF: 13161.2/17

Right Out: 564.944 $\pm$ 0.150 χ^2 /NDF: 49295.9/18

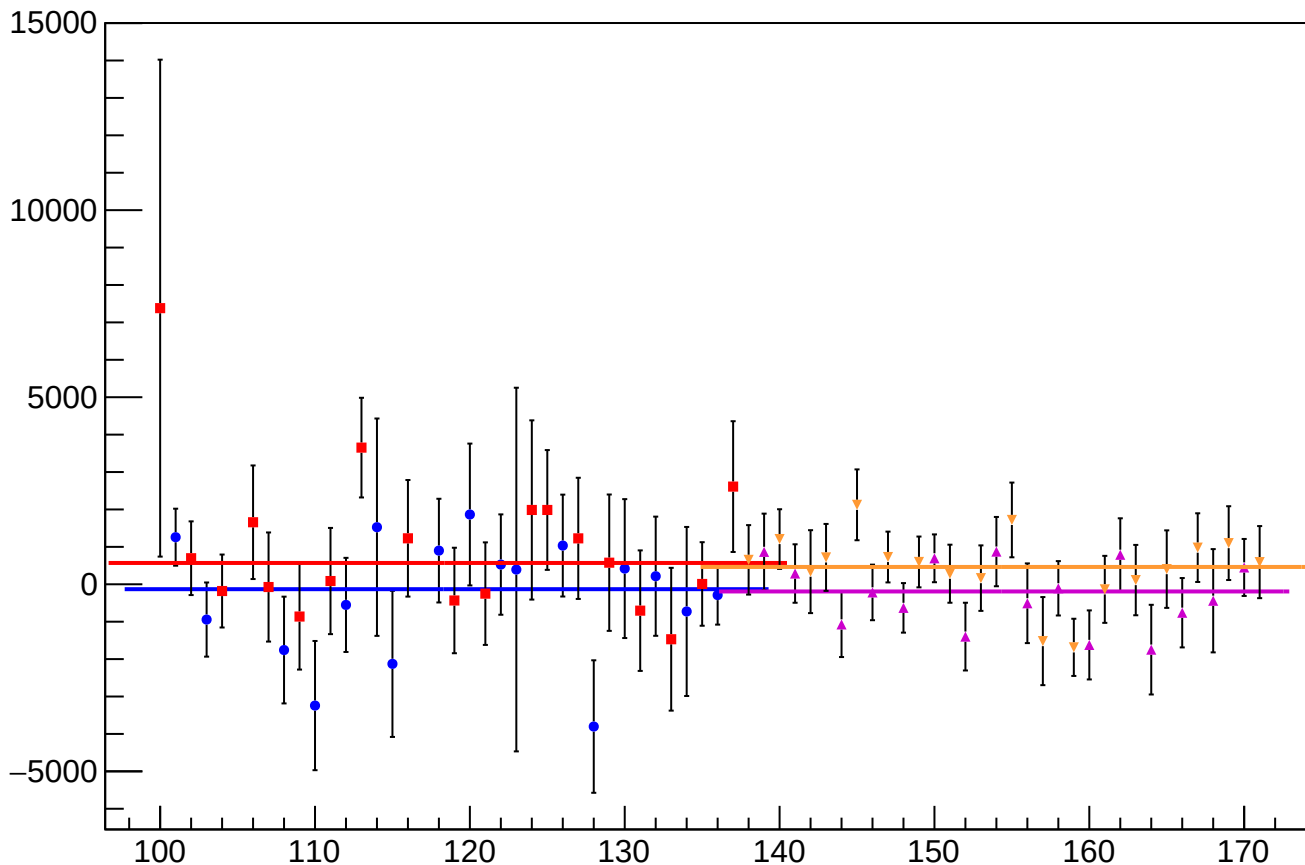
Left In: 558.790 $\pm$ 0.112 χ^2 /NDF: 10619.1/15

+ sign 560.597 $\pm$ 0.088 χ^2 /NDF: 26126.4/34

All: 560.791 $\pm$ 0.063 χ^2 /NDF: 87137.9/69

- sign 560.991 $\pm$ 0.089 χ^2 /NDF: 61001.7/34

asym_right_avg_correction_mean vs Slug



Right In: -131.097 ± 327.588 χ^2/NDF : 17.2/16

Left Out: 463.135 ± 207.352 χ^2/NDF : 18.1/17

Right Out: 569.844 ± 332.404 χ^2/NDF : 14.6/18

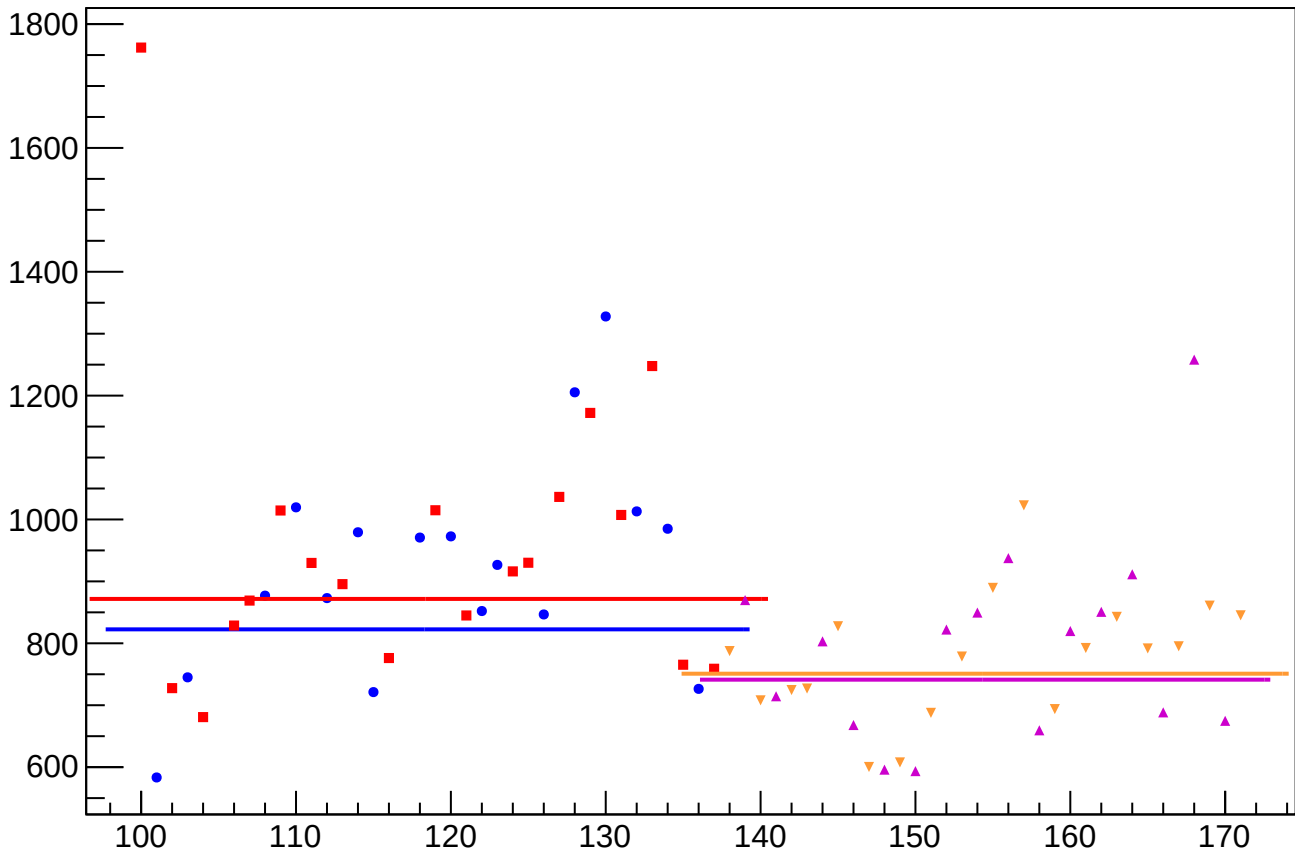
Left In: -191.984 ± 213.449 χ^2/NDF : 14.2/15

+ sign 293.159 ± 175.204 χ^2/NDF : 37.7/34

All: 165.057 ± 125.416 χ^2/NDF : 71.3/69

- sign 30.436 ± 179.608 χ^2/NDF : 32.6/34

asym_right_avg_correction_rms vs Slug



Right In: 822.527 ± 0.232 χ^2/NDF : 600956.1/16

Left Out: 750.916 ± 0.147 χ^2/NDF : 458911.3/17

Right Out: 871.679 ± 0.235 χ^2/NDF : 406857.8/18

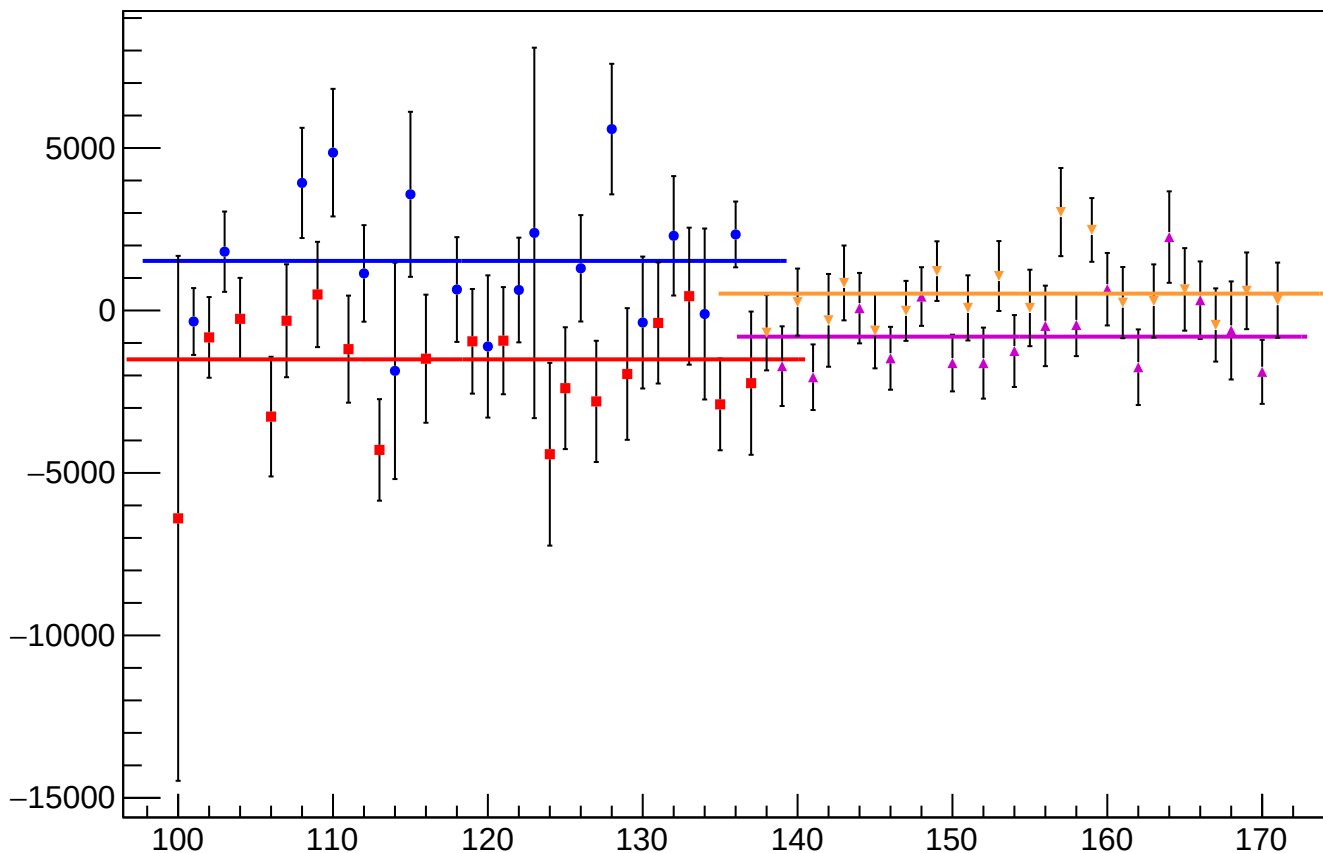
Left In: 741.265 ± 0.151 χ^2/NDF : 785484.1/15

+ sign 771.400 ± 0.124 χ^2/NDF : 1128102.1/34

All: 775.271 ± 0.089 χ^2/NDF : 2540420.2/69

- sign 779.340 ± 0.127 χ^2/NDF : 1410315.0/34

asym_right_avg_mean vs Slug



Right In: 1525.470 ± 401.784 χ^2/NDF : 18.2/16

Left Out: 518.261 ± 260.871 χ^2/NDF : 12.3/17

Right Out: -1504.406 ± 399.953 χ^2/NDF : 12.1/18

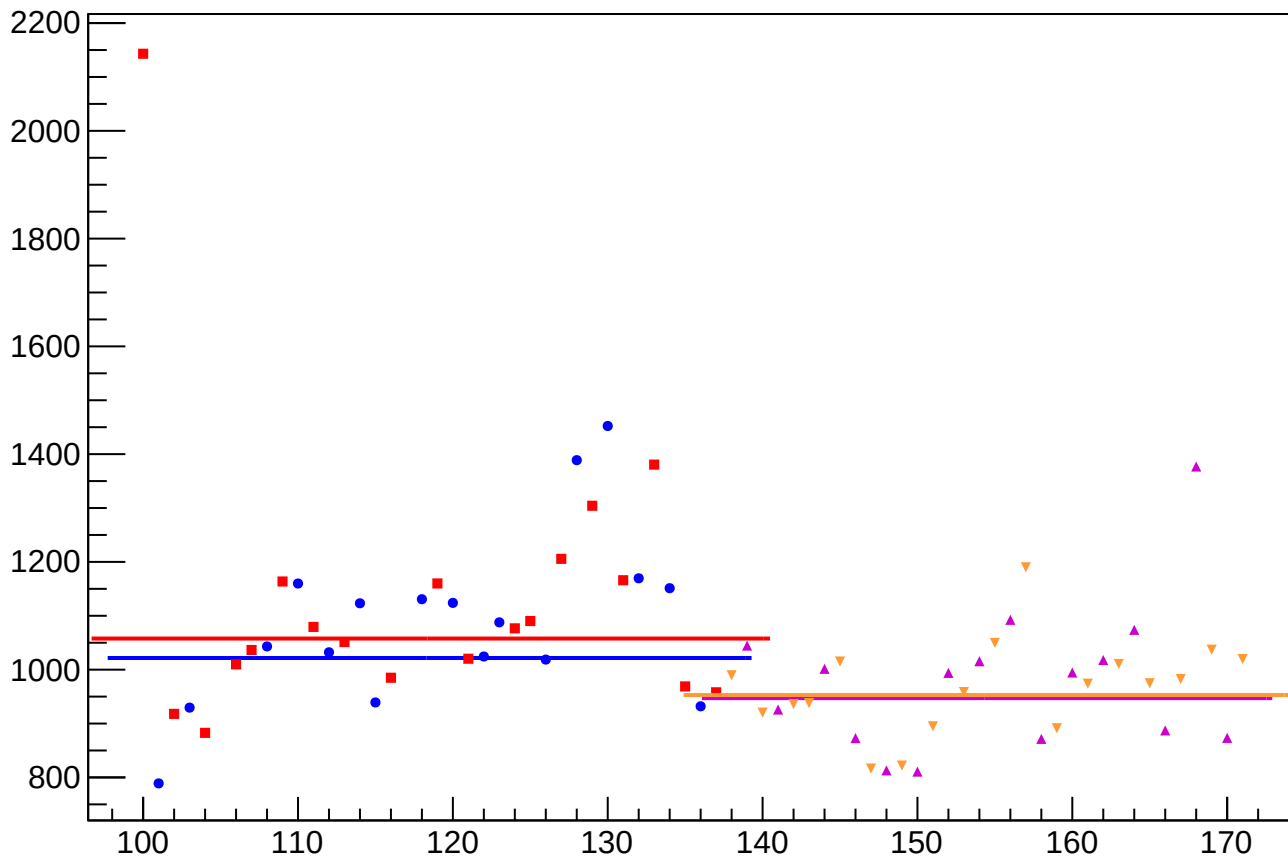
Left In: -805.537 ± 270.004 χ^2/NDF : 16.1/15

+ sign 816.950 ± 218.797 χ^2/NDF : 35.0/34

All: -82.949 ± 156.446 χ^2/NDF : 99.9/69

- sign -1024.330 ± 223.783 χ^2/NDF : 30.3/34

asym_right_avg_rms vs Slug



Right In: 1021.665 ± 0.284 $\chi^2/\text{NDF}: 331949.3/16$

Left Out: 952.886 ± 0.184 $\chi^2/\text{NDF}: 208878.9/17$

Right Out: 1057.748 ± 0.283 $\chi^2/\text{NDF}: 230944.1/18$

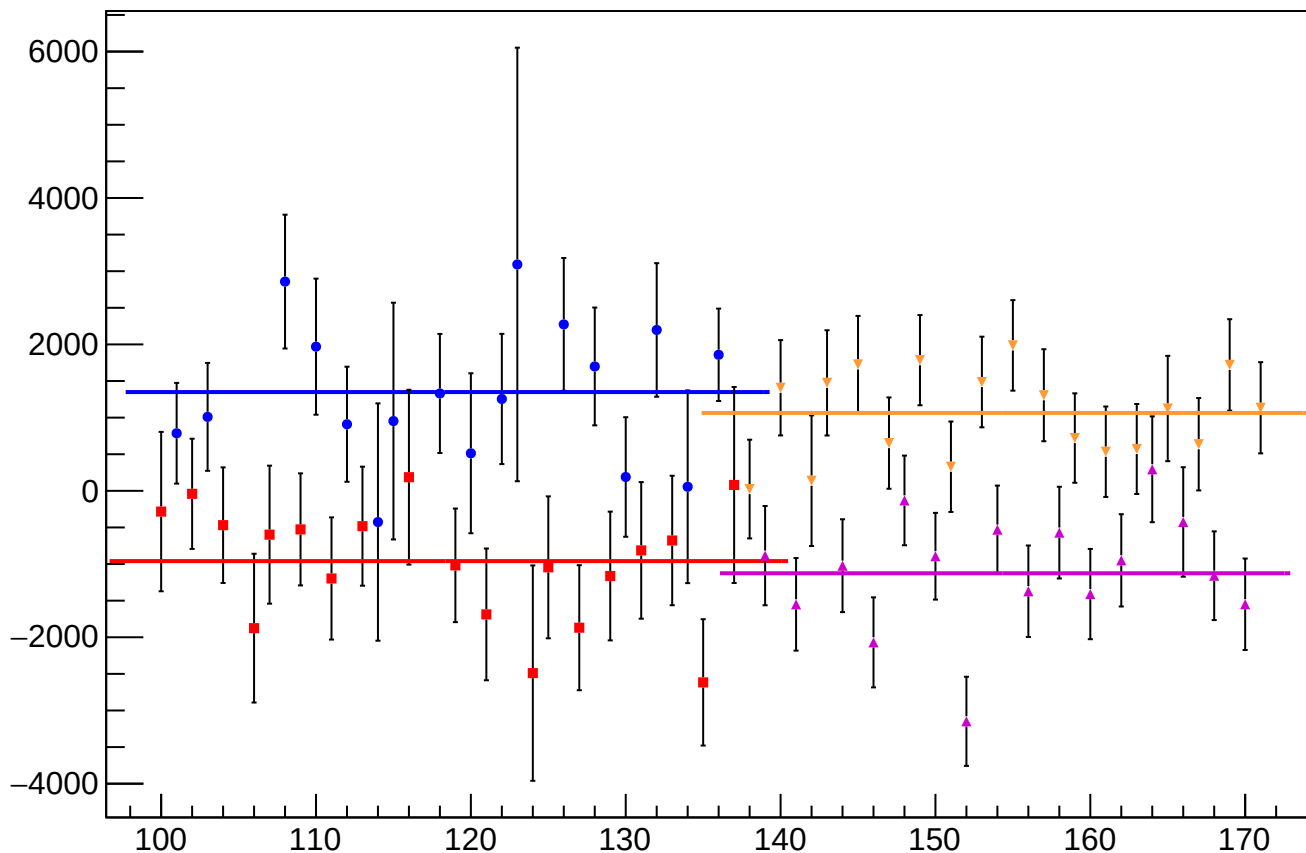
Left In: 947.178 ± 0.191 $\chi^2/\text{NDF}: 380339.3/15$

+ sign 973.282 ± 0.155 $\chi^2/\text{NDF}: 582056.1/34$

All: 977.442 ± 0.111 $\chi^2/\text{NDF}: 1299820.1/69$

- sign 981.794 ± 0.158 $\chi^2/\text{NDF}: 716284.6/34$

reg_asym_right_dd_mean vs Slug



Right In: 1349.156 $\pm$ 218.361 χ^2 /NDF: 12.3/16

Left Out: 1064.034 $\pm$ 152.232 χ^2 /NDF: 14.4/17

Right Out: -959.496 $\pm$ 208.143 χ^2 /NDF: 12.2/18

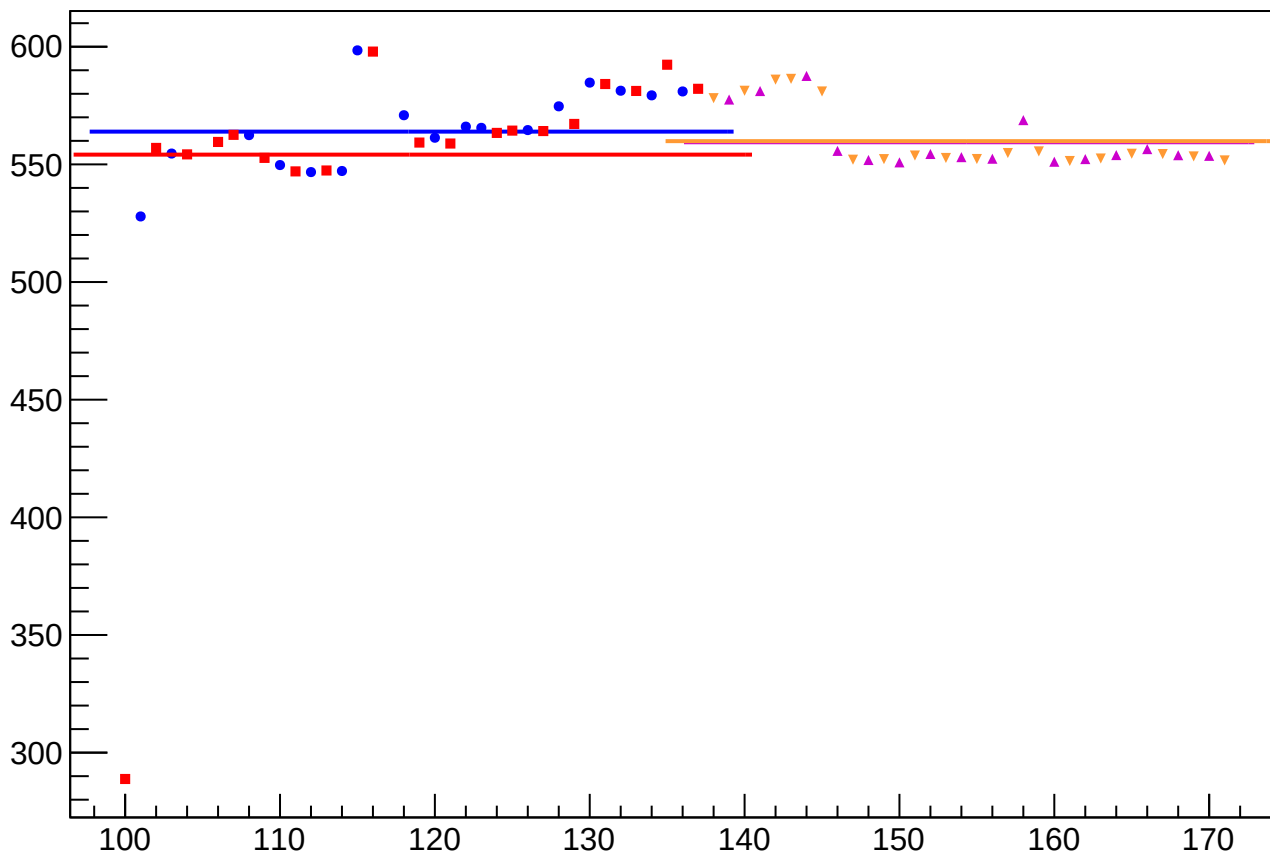
Left In: -1125.699 $\pm$ 158.048 χ^2 /NDF: 24.2/15

+ sign 1157.288 $\pm$ 124.880 χ^2 /NDF: 27.8/34

All: 54.984 $\pm$ 88.653 χ^2 /NDF: 221.8/69

- sign -1064.916 $\pm$ 125.873 χ^2 /NDF: 36.8/34

reg_asym_right_dd_rms vs Slug



Right In: 563.922 ± 0.154 χ^2/NDF : 12663.1/16

Left Out: 559.871 ± 0.108 χ^2/NDF : 13196.8/17

Right Out: 554.145 ± 0.147 χ^2/NDF : 131965.1/18

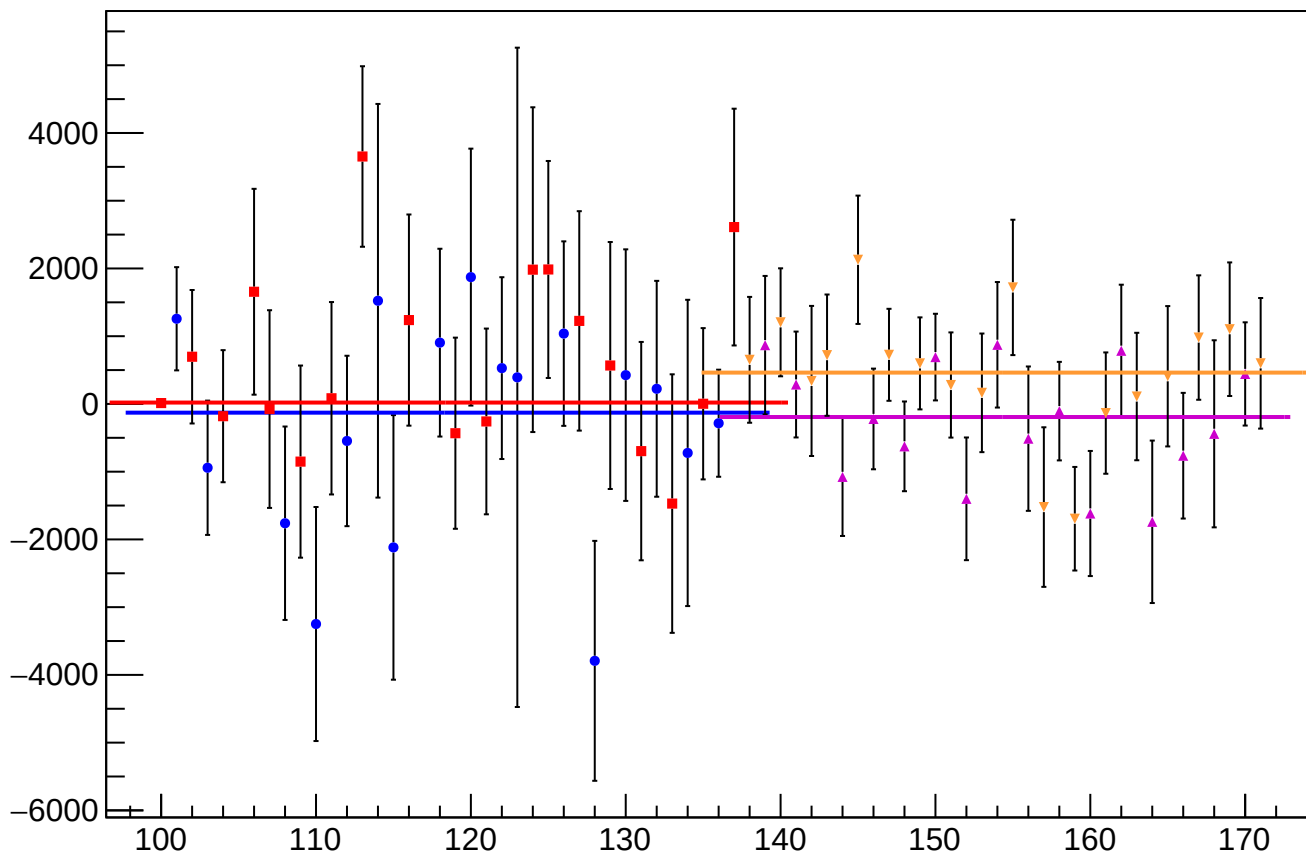
Left In: 559.403 ± 0.112 χ^2/NDF : 10699.6/15

+ sign 561.196 ± 0.088 χ^2/NDF : 26323.1/34

All: 559.353 ± 0.063 χ^2/NDF : 170675.9/69

- sign 557.480 ± 0.089 χ^2/NDF : 143474.4/34

asym_right_dd_correction_mean vs Slug



Right In: -128.725 ± 327.688 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 462.661 ± 207.425 $\chi^2/\text{NDF}: 18.2/17$

Right Out: 20.384 ± 38.954 $\chi^2/\text{NDF}: 16.1/18$

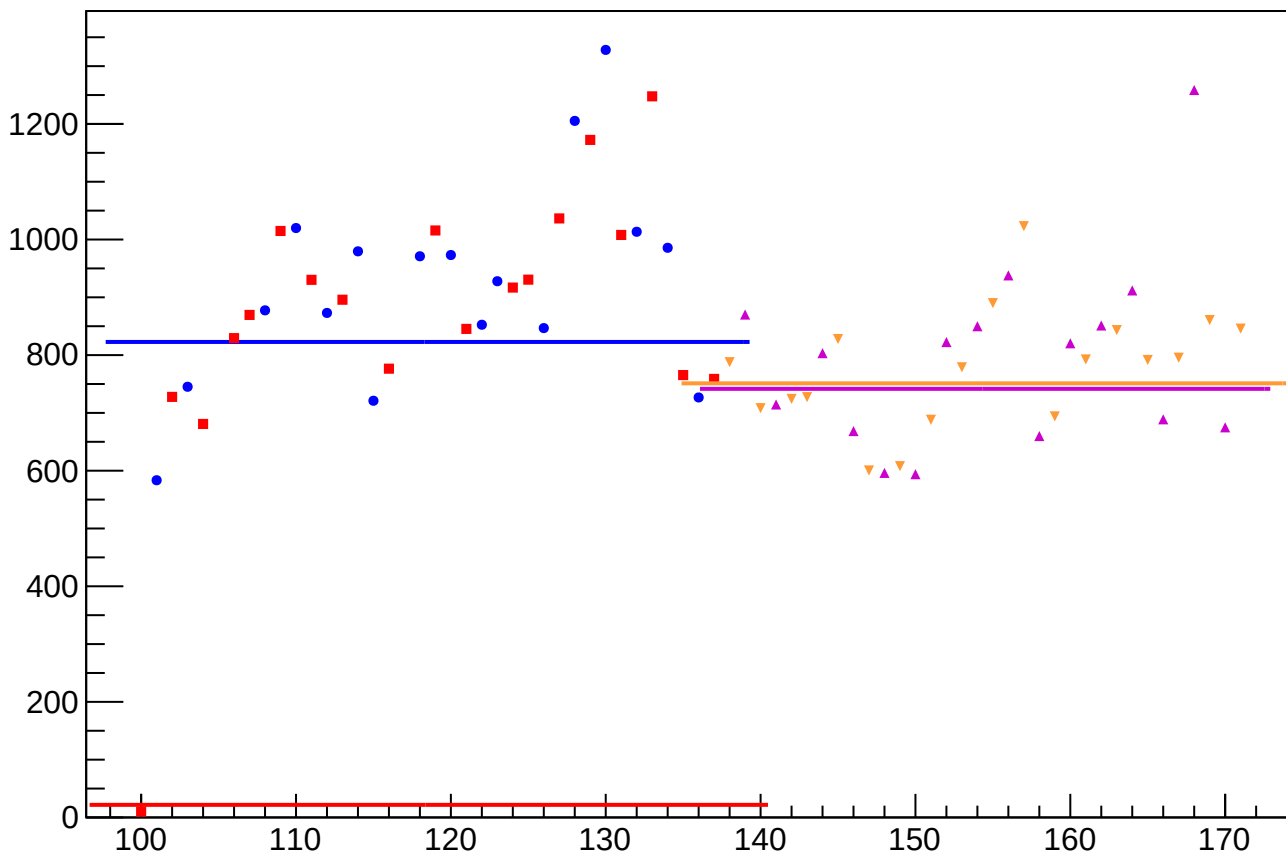
Left In: -193.025 ± 213.550 $\chi^2/\text{NDF}: 14.2/15$

+ sign 293.487 ± 175.263 $\chi^2/\text{NDF}: 37.7/34$

All: 26.286 ± 37.437 $\chi^2/\text{NDF}: 71.4/69$

- sign 13.512 ± 38.322 $\chi^2/\text{NDF}: 31.3/34$

asym_right_dd_correction_rms vs Slug



Right In: 822.780 $\pm$ 0.232 χ^2 /NDF: 600873.9/16

Left Out: 751.170 $\pm$ 0.147 χ^2 /NDF: 458961.2/17

Right Out: 21.812 $\pm$ 0.028 χ^2 /NDF: 13523611.9/18

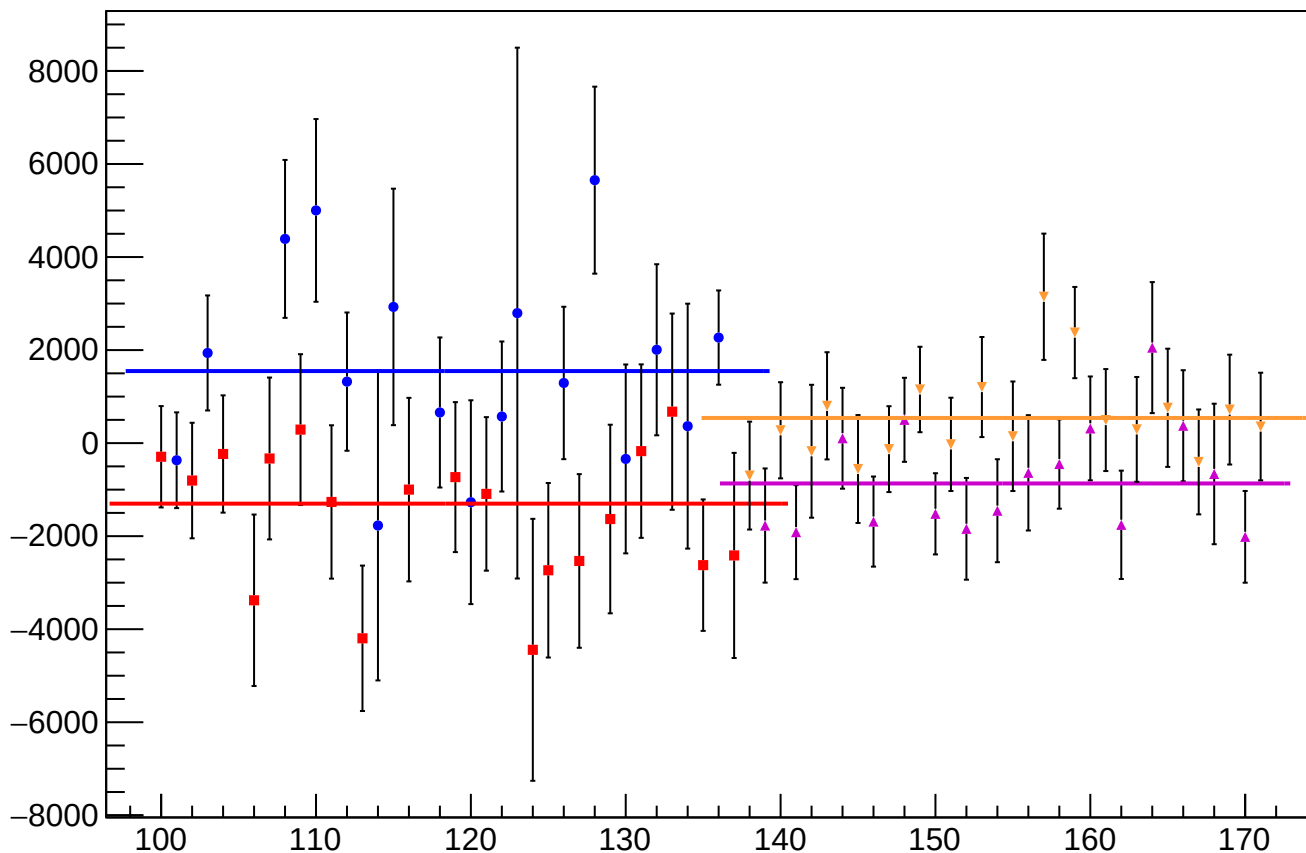
Left In: 741.623 $\pm$ 0.151 χ^2 /NDF: 785212.9/15

+ sign 771.655 $\pm$ 0.124 χ^2 /NDF: 1128023.1/34

All: 78.148 $\pm$ 0.026 χ^2 /NDF: 70240086.0/69

- sign 44.992 $\pm$ 0.027 χ^2 /NDF: 36300105.2/34

asym_right_dd_mean vs Slug



Right In: 1548.873 $\pm$ 402.008 χ^2/NDF : 19.0/16

Left Out: 540.954 $\pm$ 261.020 χ^2/NDF : 12.2/17

Right Out: -1300.945 $\pm$ 376.043 χ^2/NDF : 12.5/18

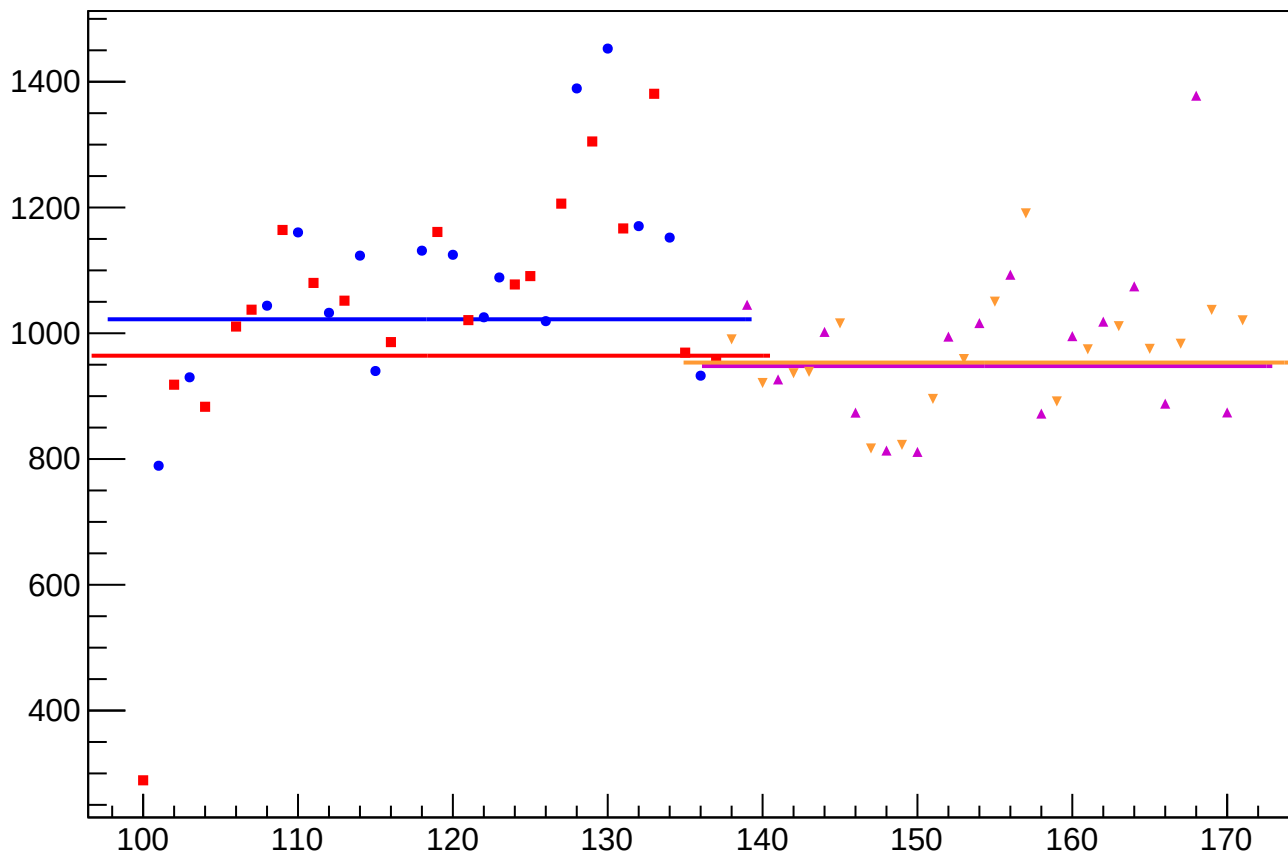
Left In: -867.089 $\pm$ 270.192 χ^2/NDF : 15.7/15

+ sign 839.859 $\pm$ 218.922 χ^2/NDF : 35.6/34

All: -85.348 $\pm$ 154.978 χ^2/NDF : 100.6/69

- sign -1014.810 $\pm$ 219.424 χ^2/NDF : 29.2/34

asym_right_dd_rms vs Slug



Right In: 1022.241+/-0.284 χ^2/NDF : 331865.9/16

Left Out: 953.424+/-0.185 χ^2/NDF : 208980.2/17

Right Out: 964.330+/-0.266 χ^2/NDF : 1067281.2/18

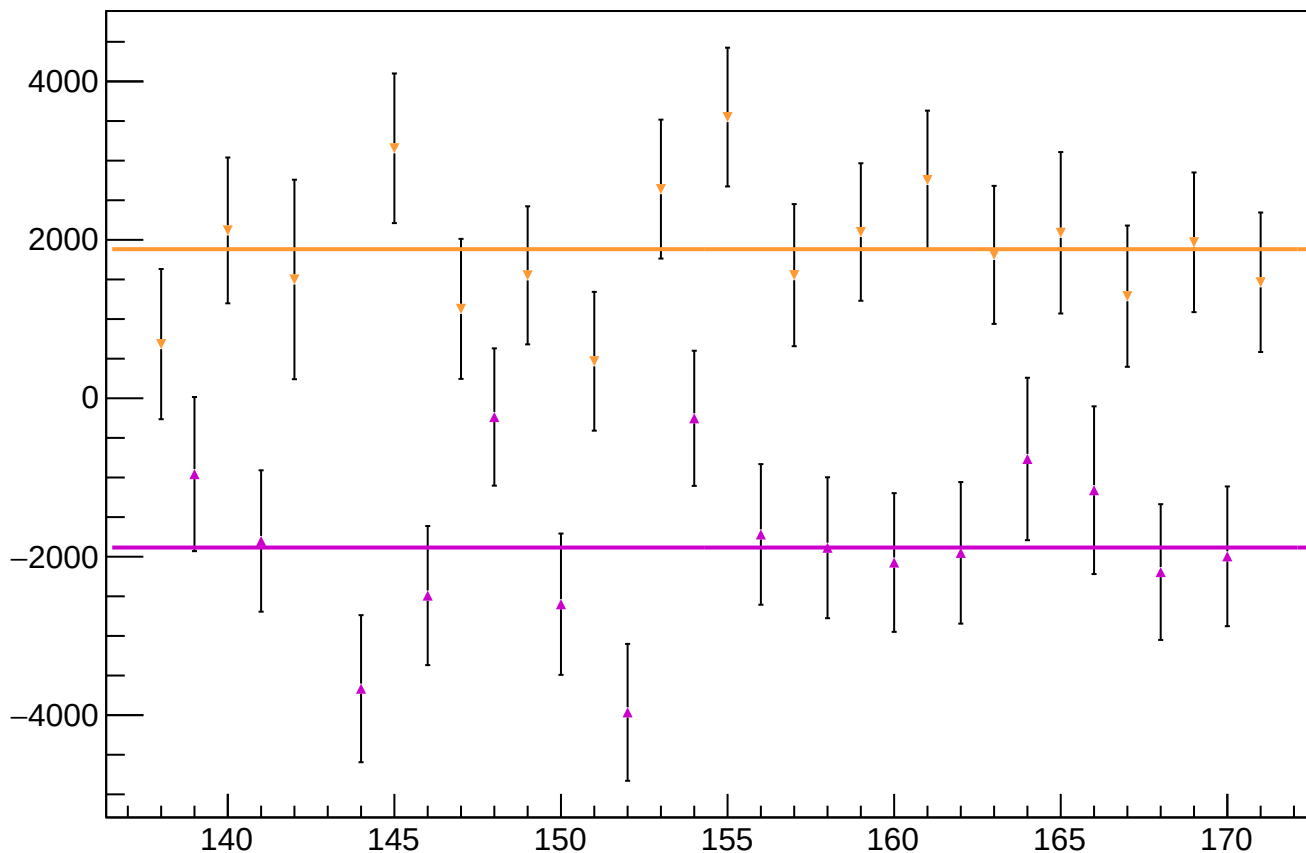
Left In: 947.844+/-0.191 χ^2/NDF : 380054.5/15

+ sign 973.832+/-0.155 χ^2/NDF : 582073.5/34

All: 963.668+/-0.110 χ^2/NDF : 2040587.0/69

- sign 953.457+/-0.155 χ^2/NDF : 1449871.0/34

cor_asym_us_avg_mean vs Slug



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

Left Out: 1882.255+/-220.660 χ^2/NDF :13.3/16

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

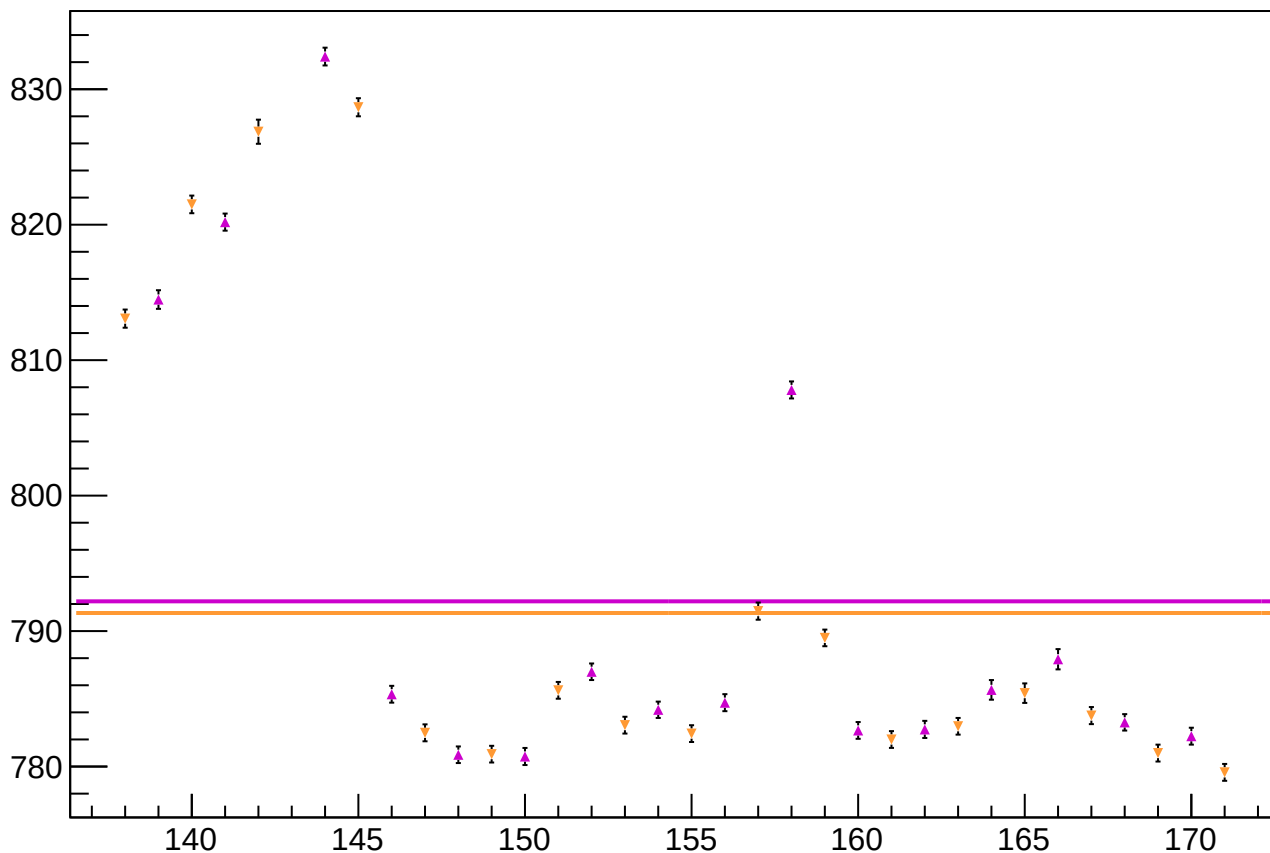
Left In: -1884.266+/-225.576 χ^2/NDF :20.7/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 40.487+/-157.740 χ^2/NDF : 176.5/32

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_avg_rms vs Slug



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

Left Out: 791.335+/-0.156 χ^2/NDF :10136.0/16

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

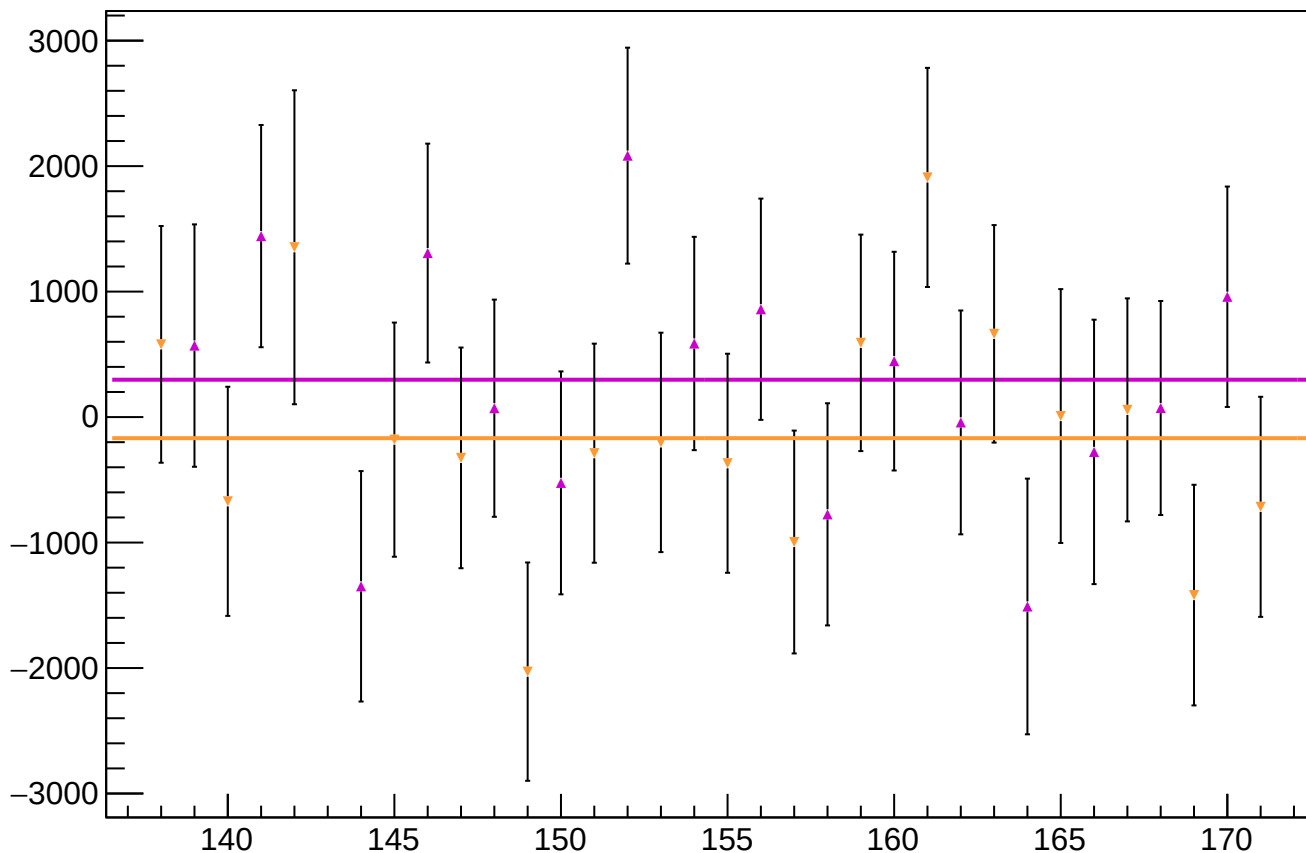
Left In: 792.196+/-0.160 χ^2/NDF :9617.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 791.756+/-0.112 χ^2/NDF : 19768.5/32

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_mean vs Slug



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

Left Out: -168.020+/-219.524 χ^2/NDF : 17.8/16

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

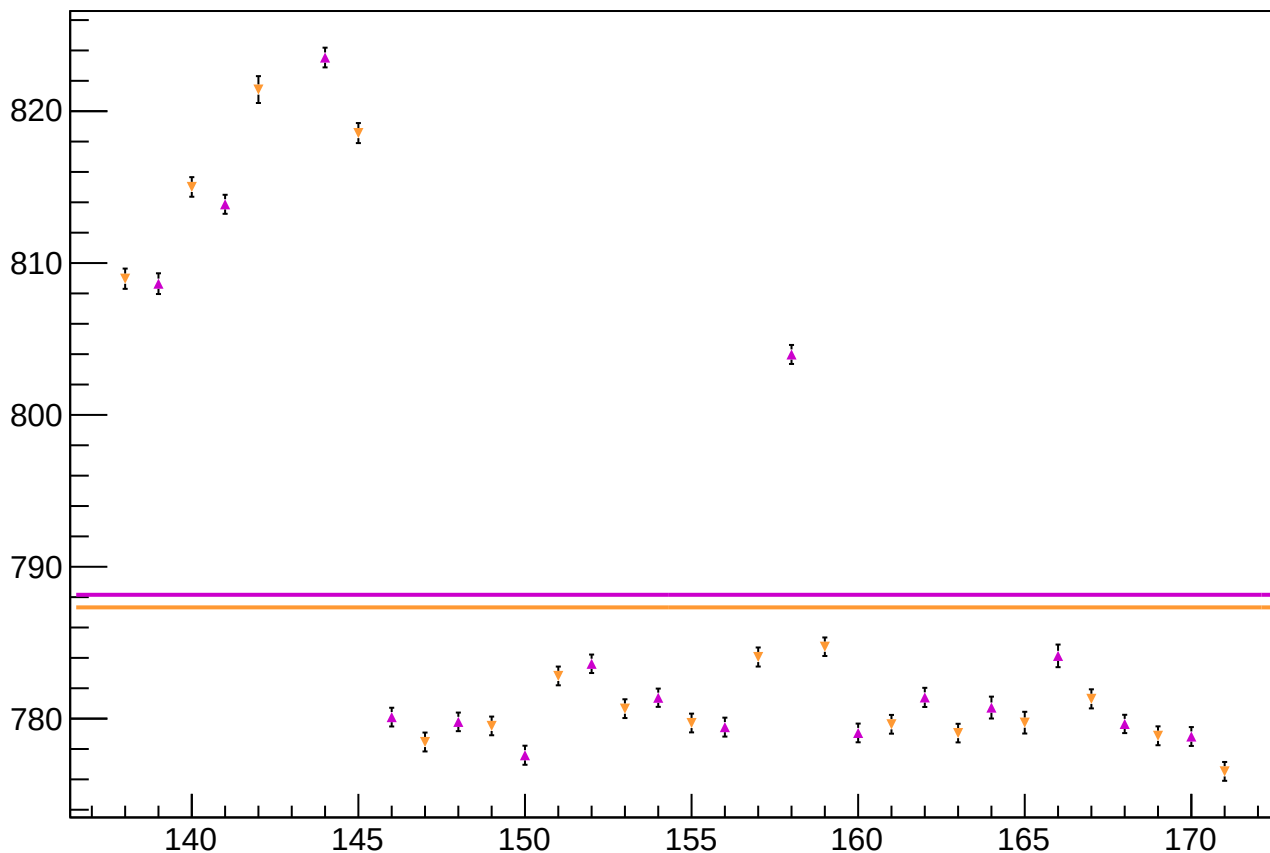
Left In: 297.813+/-224.415 χ^2/NDF : 17.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 59.764+/-156.927 χ^2/NDF : 37.8/32

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_rms vs Slug



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

Left Out: 787.326+/-0.155 χ^2/NDF : 8381.4/16

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

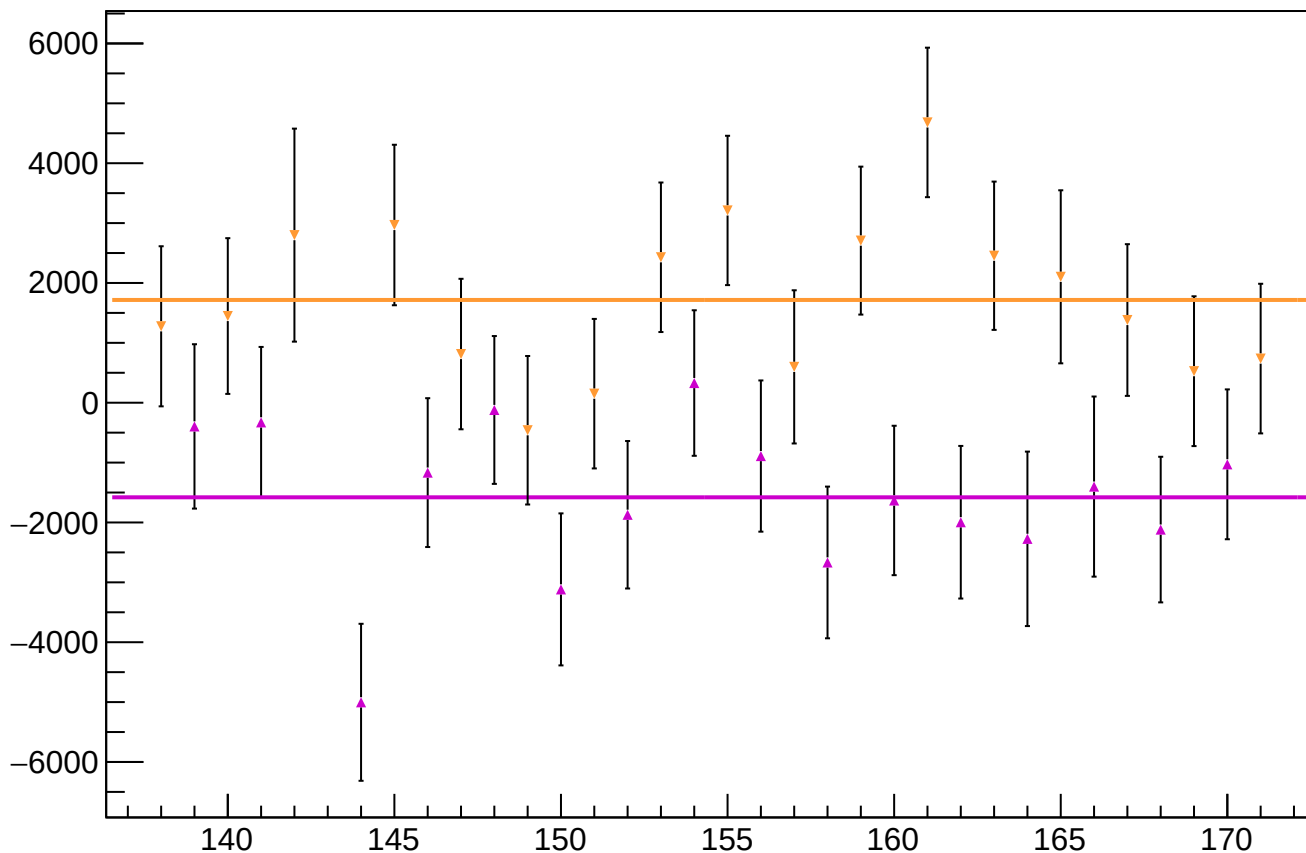
Left In: 788.154+/-0.159 χ^2/NDF : 8106.2/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 787.731+/-0.111 χ^2/NDF : 16501.5/32

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usl_mean vs Slug



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

Left Out: 1716.261+/-313.511 χ^2/NDF : 17.4/16

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

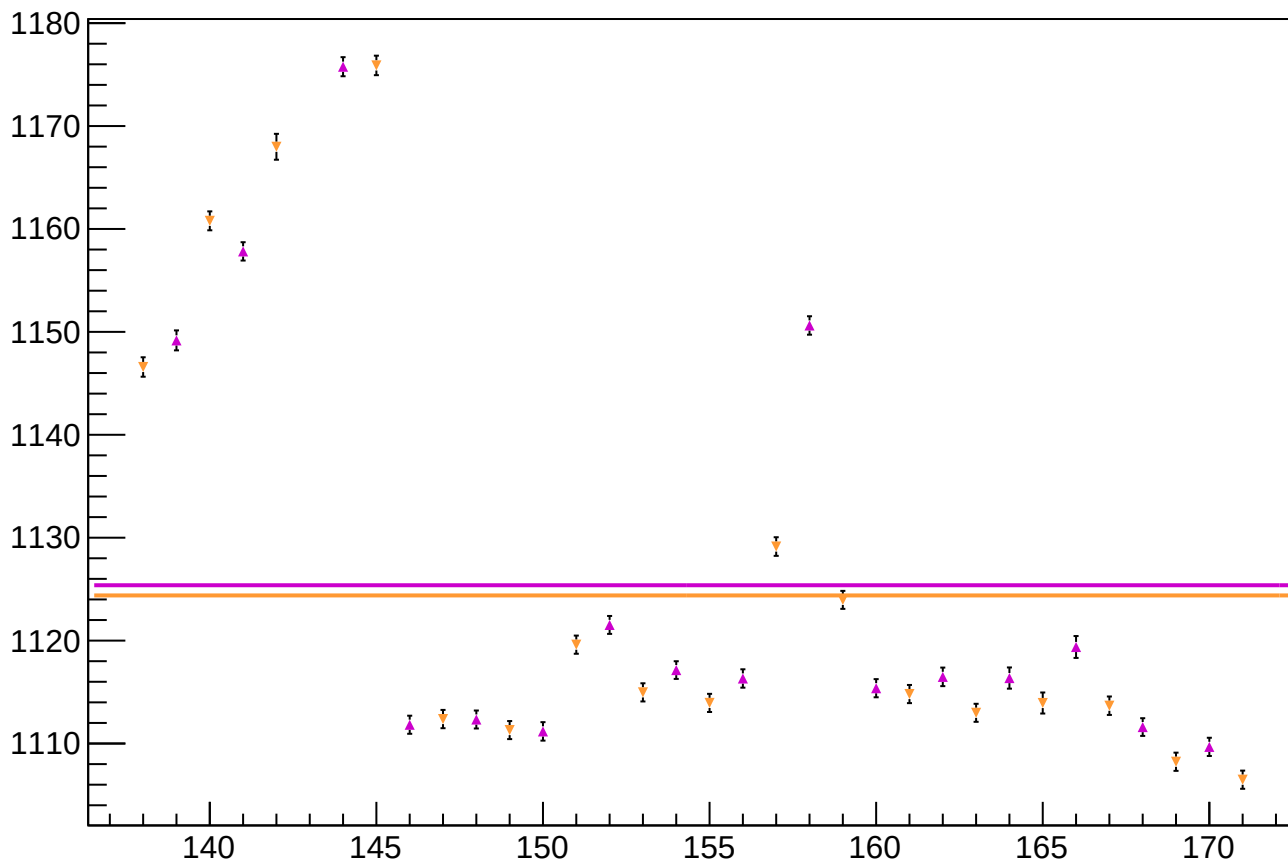
Left In: -1579.929+/-320.433 χ^2/NDF : 15.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 104.157+/-224.093 χ^2/NDF : 87.3/32

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usl_rms vs Slug



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

Left Out: 1124.390+/-0.222 χ^2/NDF : 8268.7/16

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

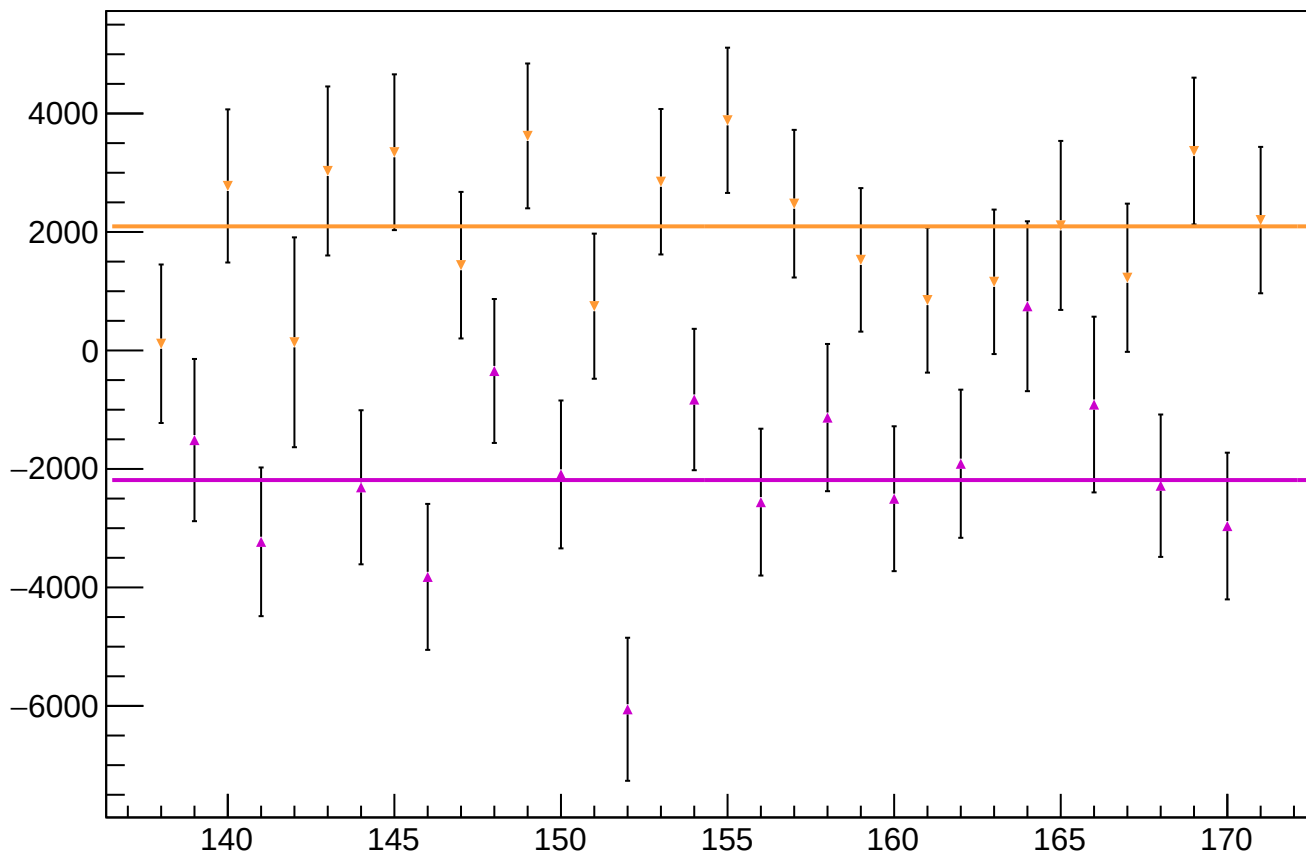
Left In: 1125.381+/-0.227 χ^2/NDF : 7507.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1124.875+/-0.158 χ^2/NDF : 15786.2/32

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usr_mean vs Slug



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

Left Out: 2094.883 $\pm$ 301.995 χ^2 /NDF:14.1/17

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

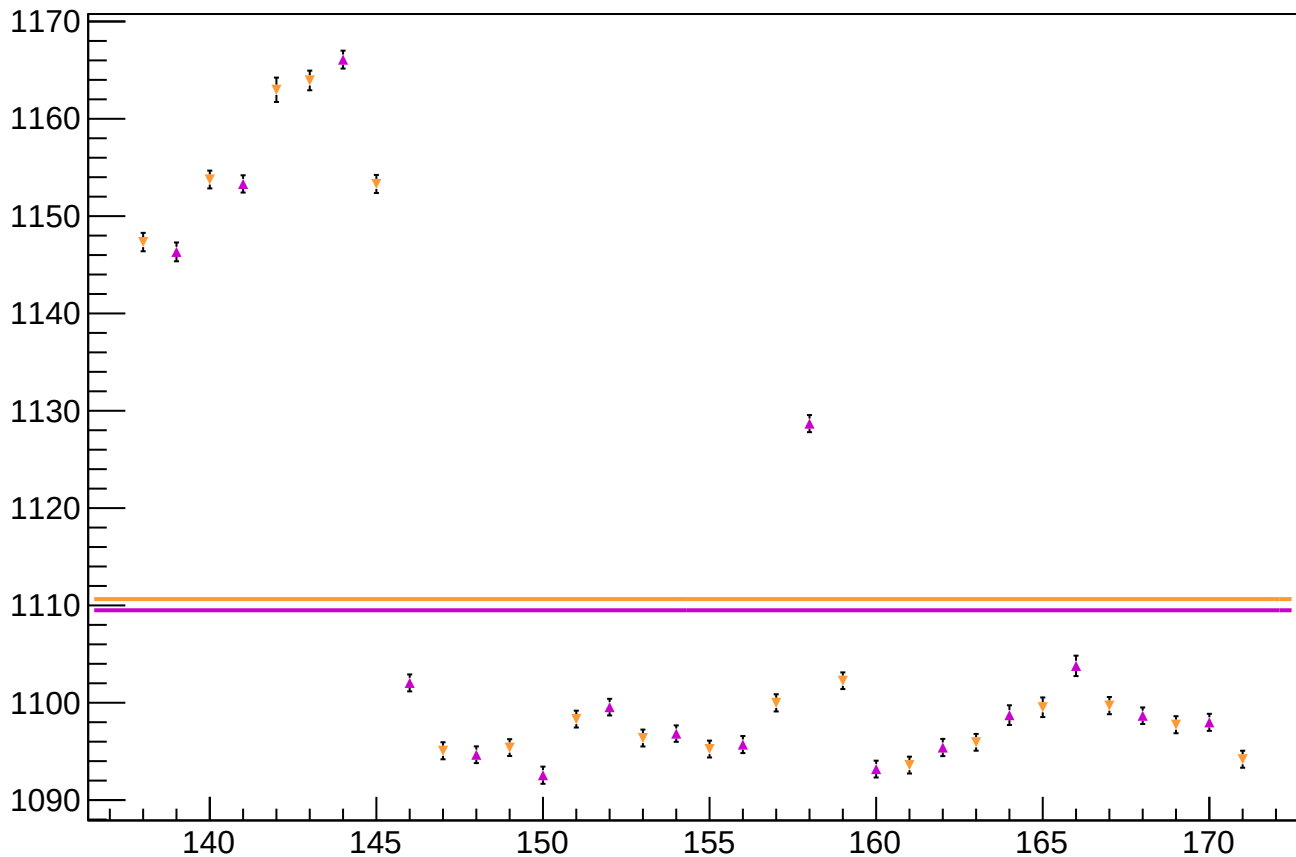
Left In: -2187.704 $\pm$ 315.932 χ^2 /NDF:22.8/15

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

All: 50.131 $\pm$ 218.304 χ^2 /NDF: 132.9/33

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

cor_asym_usr_rms vs Slug



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

Left Out: 1110.651+/-0.214 χ^2/NDF :13556.1/17

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

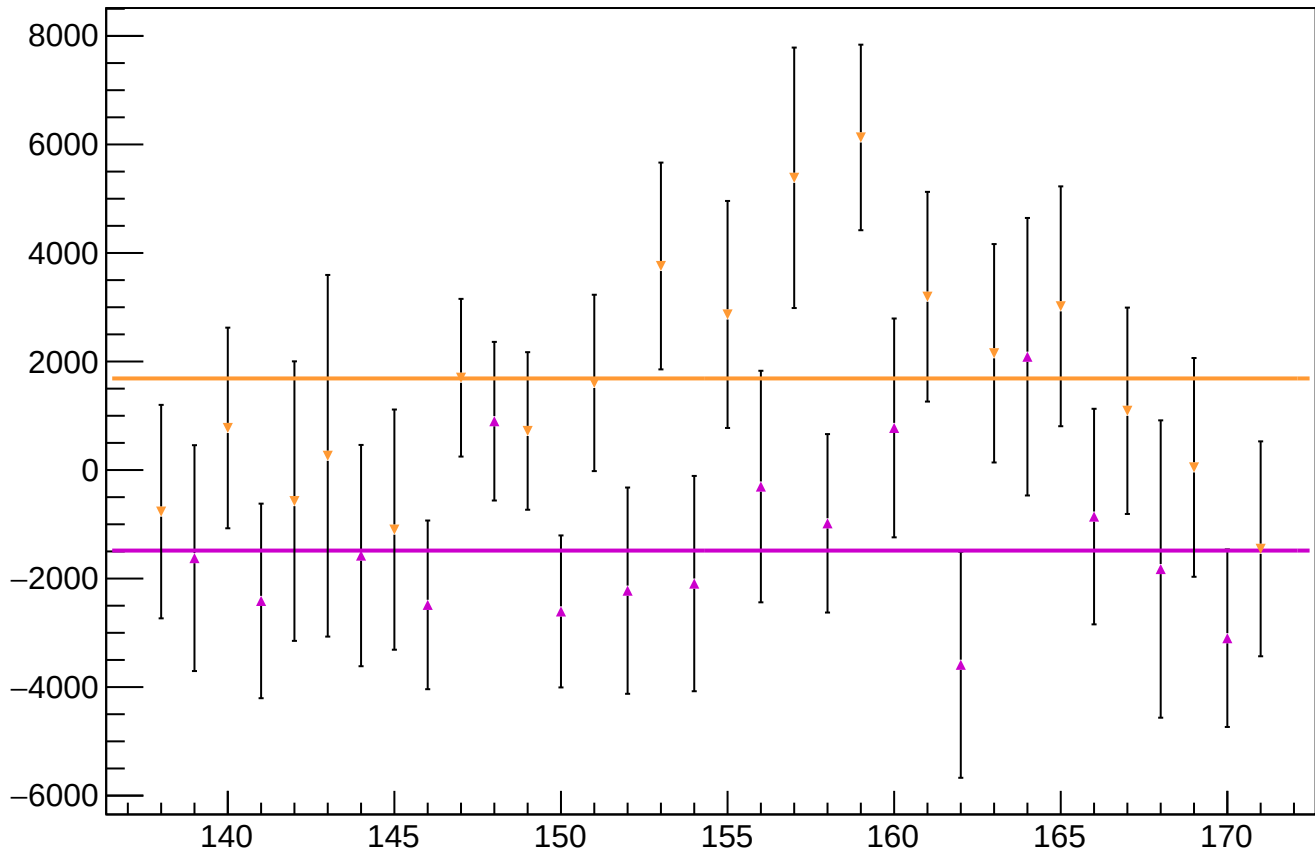
Left In: 1109.502+/-0.223 χ^2/NDF :10586.0/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1110.103+/-0.154 χ^2/NDF : 24156.0/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_mean vs Slug



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

Left Out: 1687.744+/-454.580 χ^2/NDF :19.7/17

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

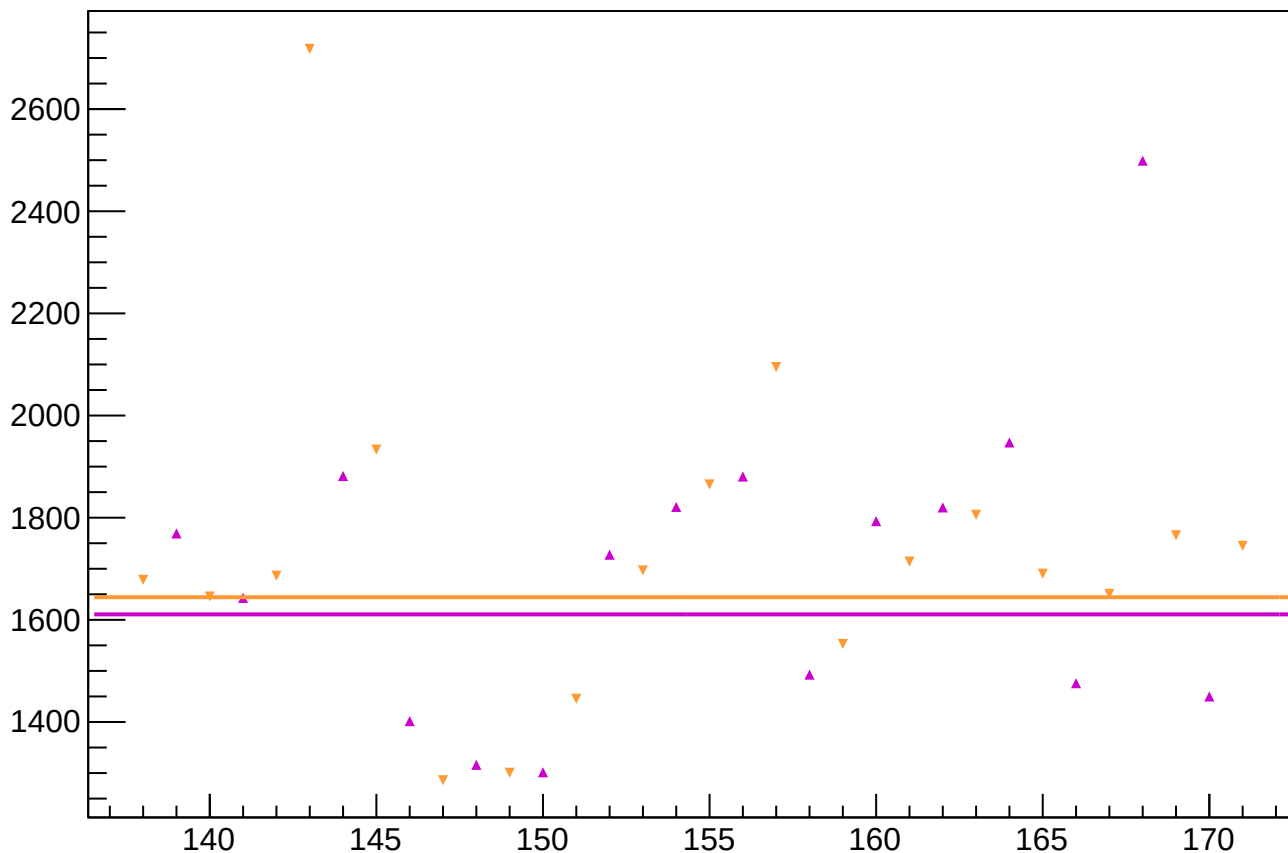
Left In: -1484.199+/-462.035 χ^2/NDF :10.0/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 127.568+/-324.040 χ^2/NDF : 53.6/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_rms vs Slug



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

Left Out: 1644.324+/-0.321 χ^2/NDF : 635238.8/17

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

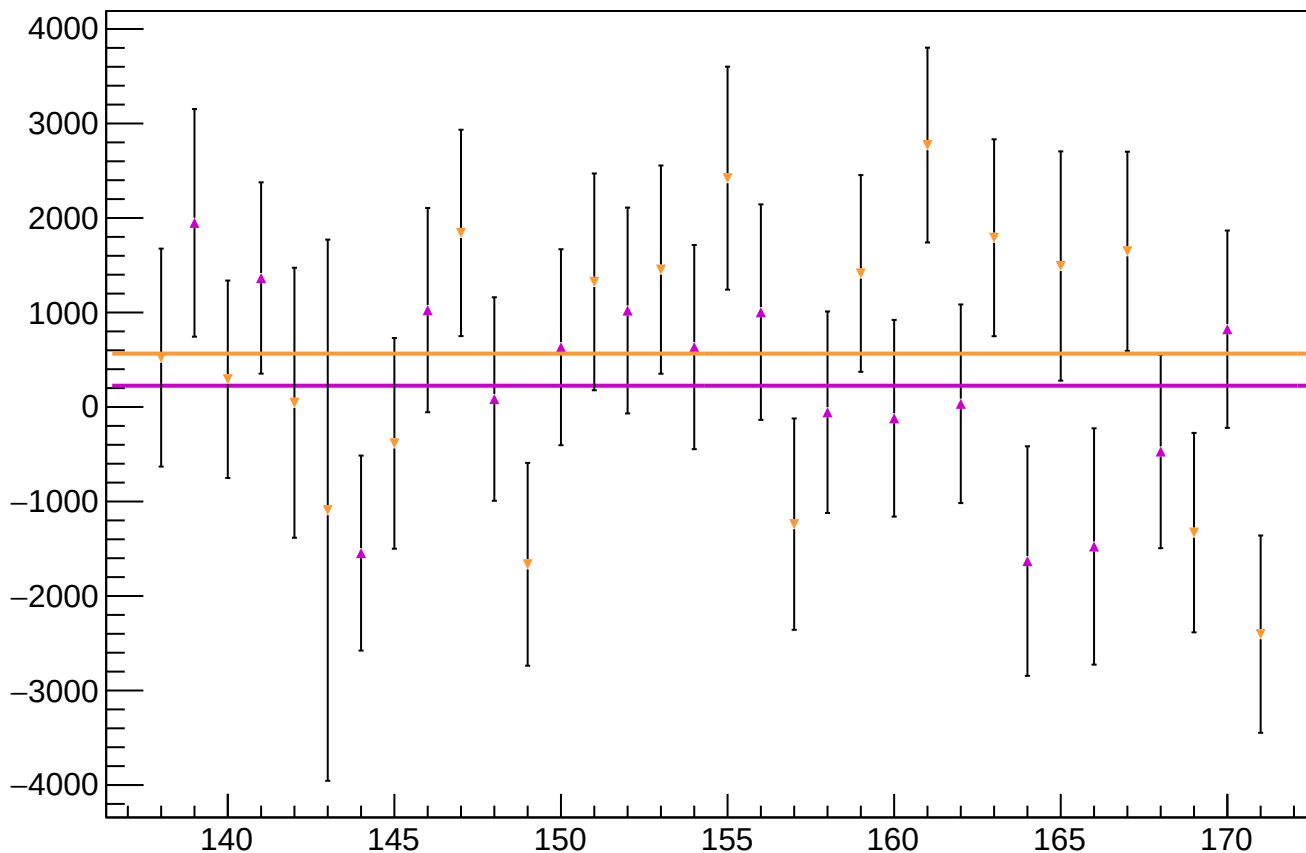
Left In: 1610.719+/-0.327 χ^2/NDF : 644745.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1627.795+/-0.229 χ^2/NDF : 1285360.0/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_mean vs Slug



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

Left Out: 565.312 $\pm$ 266.531 χ^2 /NDF:32.7/17

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

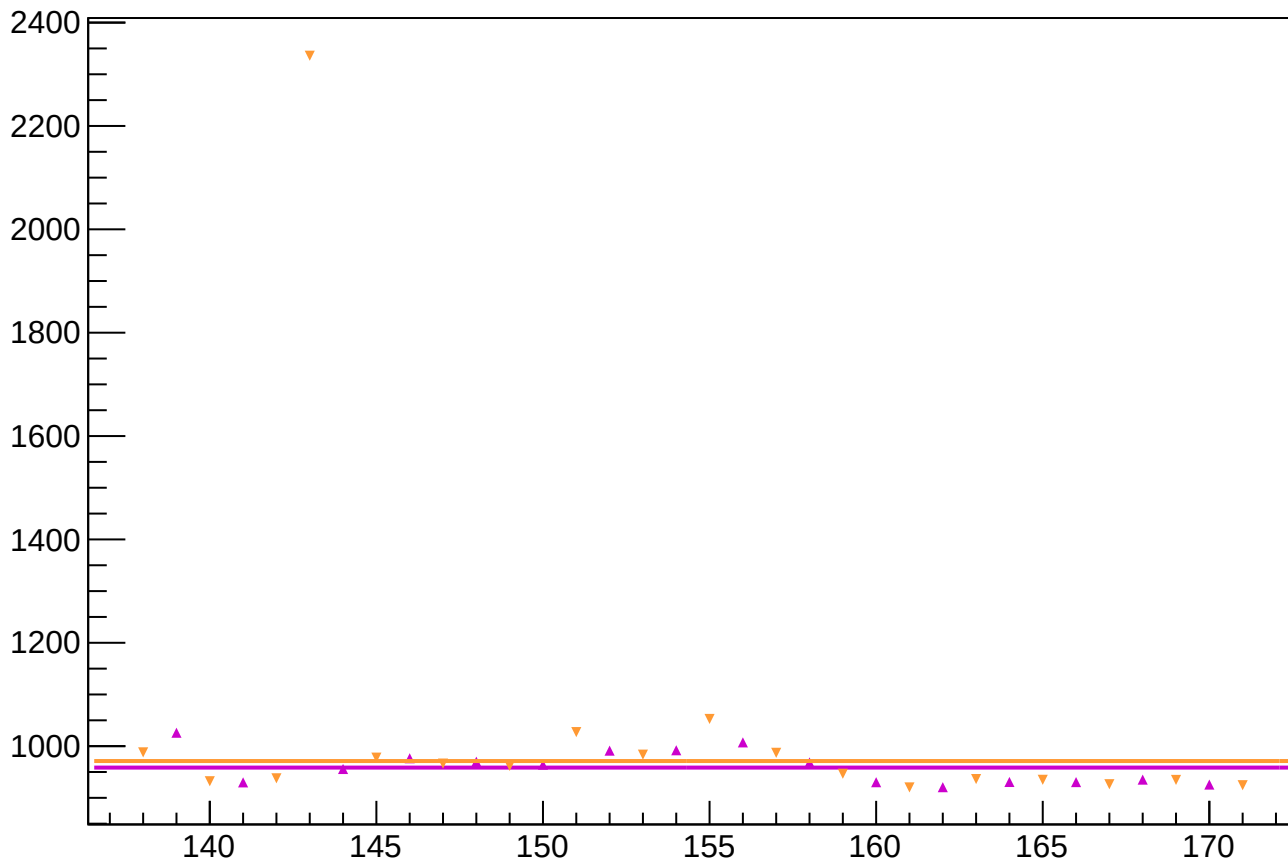
Left In: 225.358 $\pm$ 270.946 χ^2 /NDF:13.3/15

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

All: 398.127 $\pm$ 190.008 χ^2 /NDF: 46.8/33

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

asym_us_agg_dd_rms vs Slug



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

Left Out: 971.200+/-0.188 χ^2/NDF : 493992.5/17

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

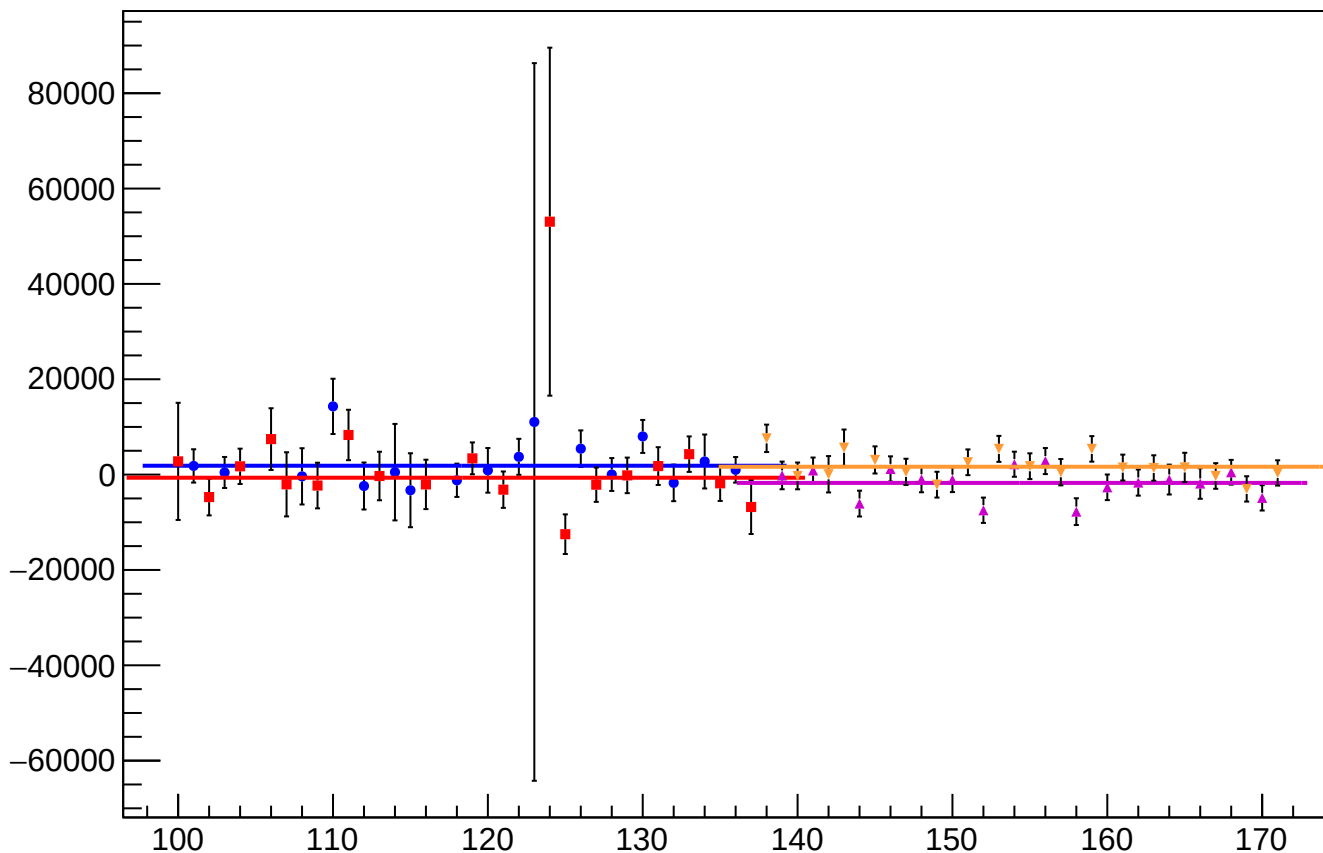
Left In: 958.513+/-0.192 χ^2/NDF : 25459.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 964.961+/-0.134 χ^2/NDF : 521681.0/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_mean vs Slug



Right In: 1859.767 $\pm$ 1013.438 χ^2 /NDF: 12.5/16

Left Out: 1646.796 $\pm$ 664.915 χ^2 /NDF:16.3/17

Right Out: -654.213 $\pm$ 1023.772 χ^2 /NDF: 22.1/18

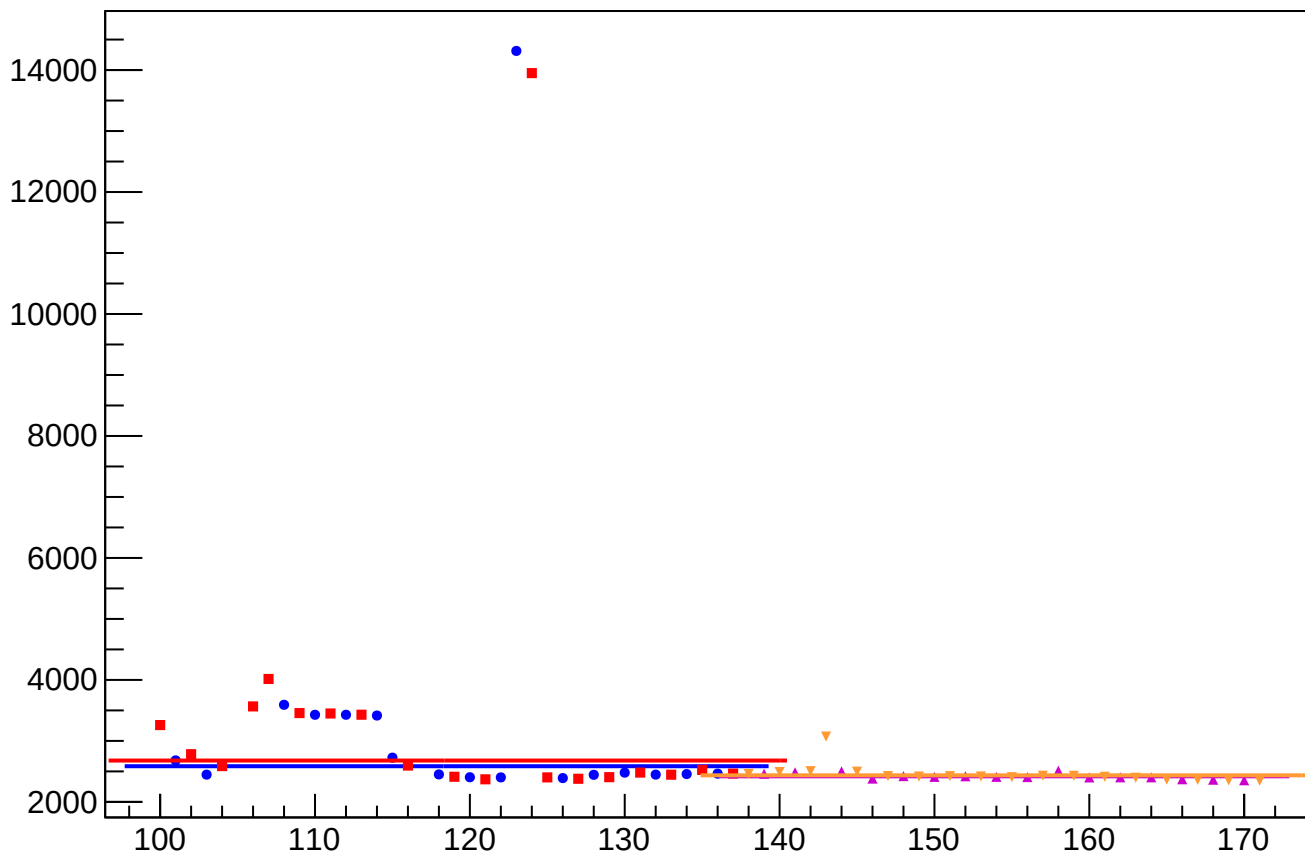
Left In: -1741.077 $\pm$ 685.614 χ^2 /NDF:21.8/15

+ sign 1710.885 $\pm$ 555.939 χ^2 /NDF: 28.9/34

All: 191.158 $\pm$ 397.874 χ^2 /NDF: 88.8/69

- sign -1404.556 $\pm$ 569.668 χ^2 /NDF: 44.6/34

reg_asym_atl1_rms vs Slug



Right In: 2584.819+/-0.717 χ^2 /NDF: 255710.5/16

Left Out: 2435.669+/-0.470 χ^2 /NDF: 65967.0/17

Right Out: 2678.229+/-0.724 χ^2 /NDF: 532096.9/18

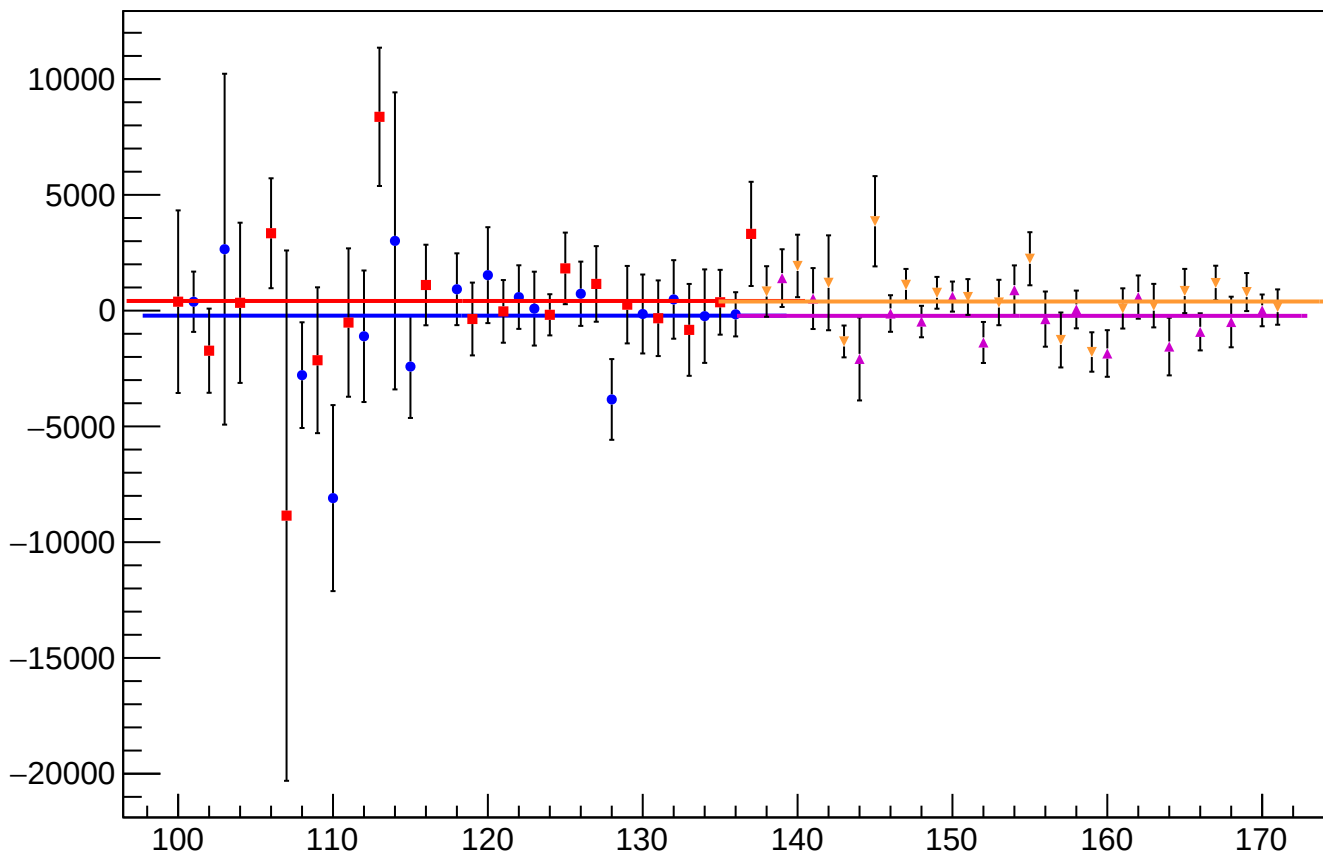
Left In: 2419.268+/-0.485 χ^2 /NDF: 8826.8/15

+ sign 2480.552+/-0.393 χ^2 /NDF: 351960.7/34

All: 2489.770+/-0.281 χ^2 /NDF: 982355.1/69

- sign 2499.449+/-0.403 χ^2 /NDF: 629267.2/34

asym_atl1_correction_mean vs Slug



Right In: -217.017 ± 420.077 χ^2/NDF : 13.4/16

Left Out: 394.489 ± 211.509 χ^2/NDF : 25.5/17

Right Out: 417.202 ± 408.976 χ^2/NDF : 15.7/18

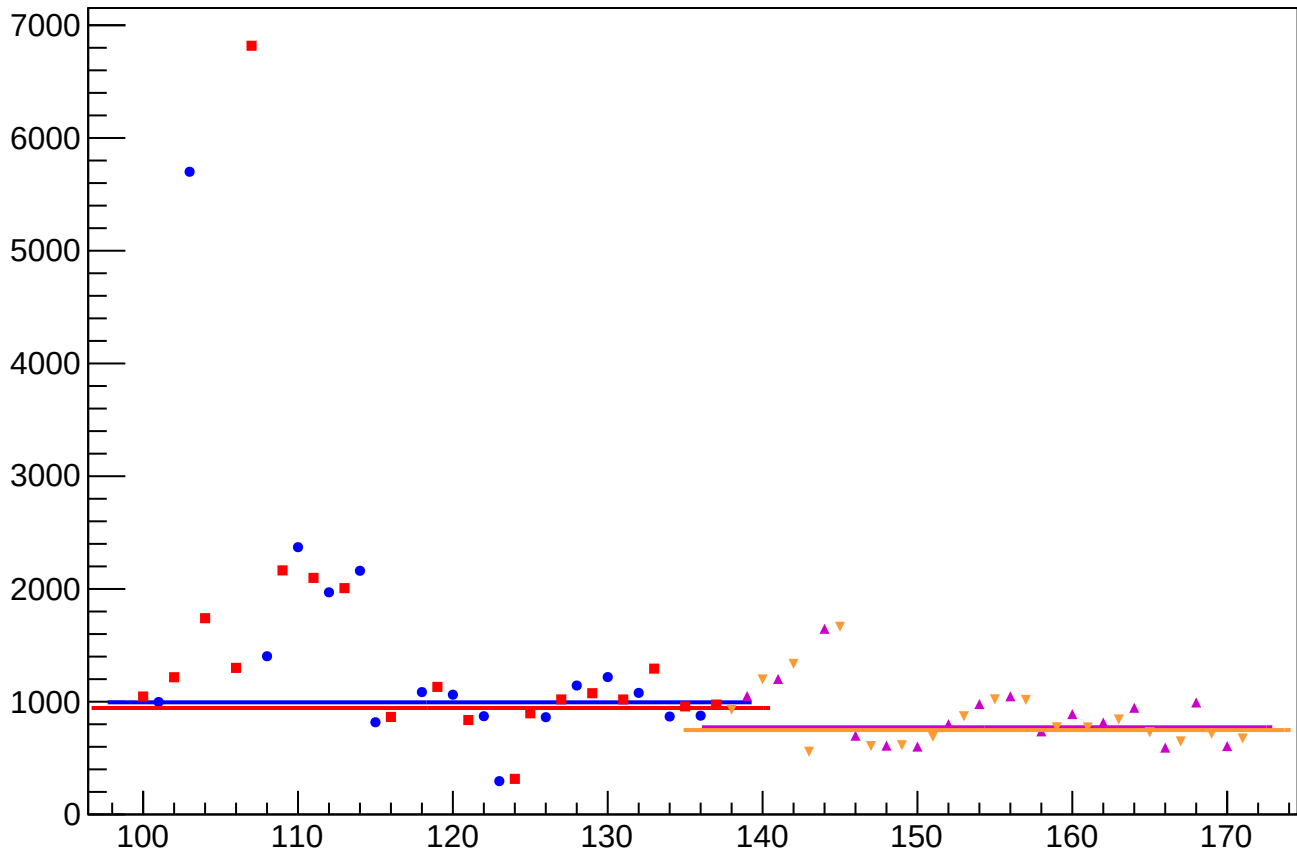
Left In: -225.088 ± 227.472 χ^2/NDF : 13.2/15

+ sign 270.817 ± 188.914 χ^2/NDF : 40.6/34

All: 107.503 ± 136.942 χ^2/NDF : 72.9/69

- sign -73.336 ± 198.792 χ^2/NDF : 30.8/34

asym_atl1_correction_rms vs Slug



Right In: 994.541 $\pm$ 0.297 χ^2 /NDF: 1904549.2/16

Left Out: 748.443 $\pm$ 0.150 χ^2 /NDF:1540243.2/17

Right Out: 944.286 $\pm$ 0.289 χ^2 /NDF: 2666007.0/18

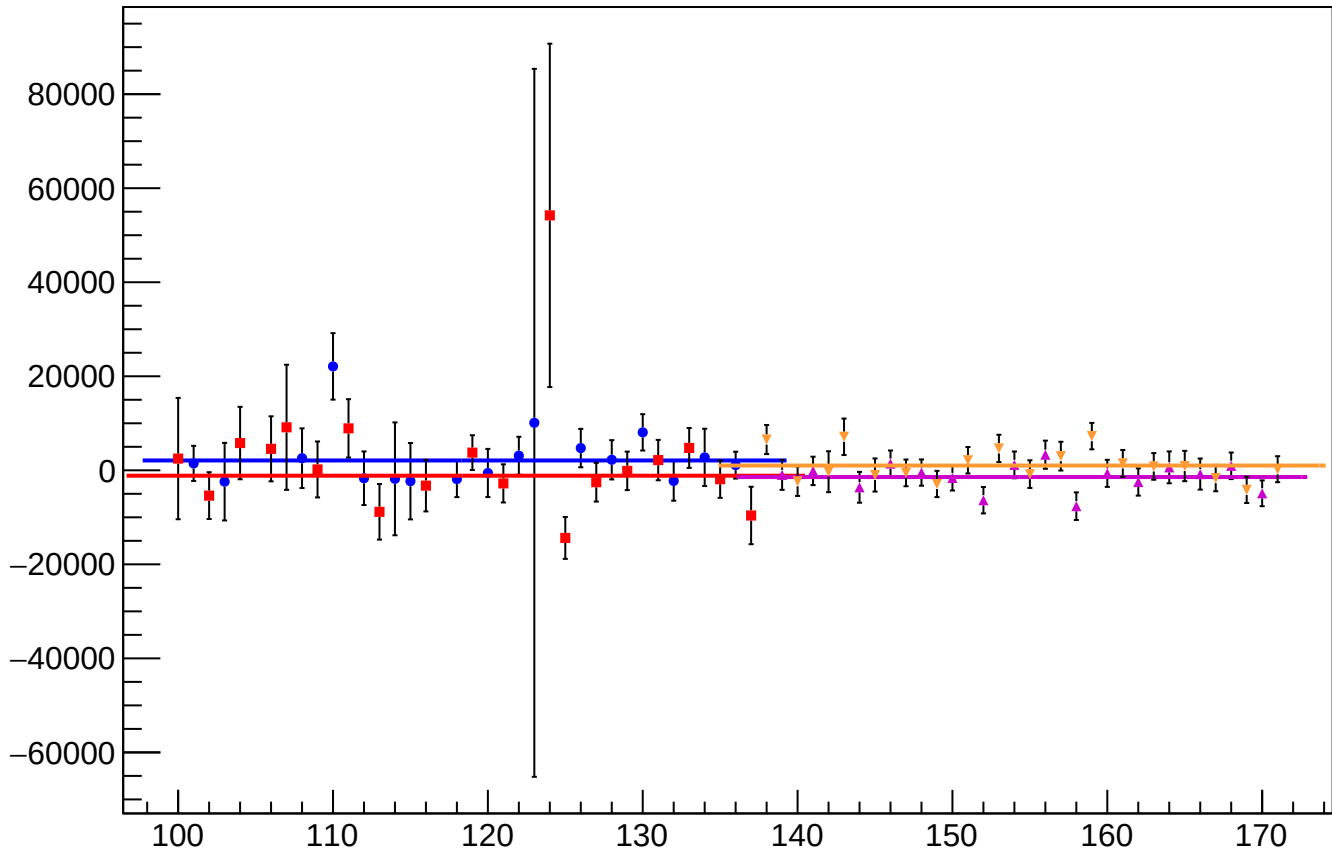
Left In: 773.188 $\pm$ 0.161 χ^2 /NDF:1613695.8/15

+ sign 798.214 $\pm$ 0.134 χ^2 /NDF: 3992387.6/34

All: 805.521 $\pm$ 0.097 χ^2 /NDF: 8545739.1/69

- sign 813.613 $\pm$ 0.141 χ^2 /NDF: 4547045.6/34

asym_atl1_mean vs Slug



Right In: 2094.050+/-1160.426 χ^2/NDF : 14.6/16

Left Out: 1015.172+/-710.415 χ^2/NDF : 21.4/17

Right Out: -1147.788+/-1187.007 χ^2/NDF : 25.1/18

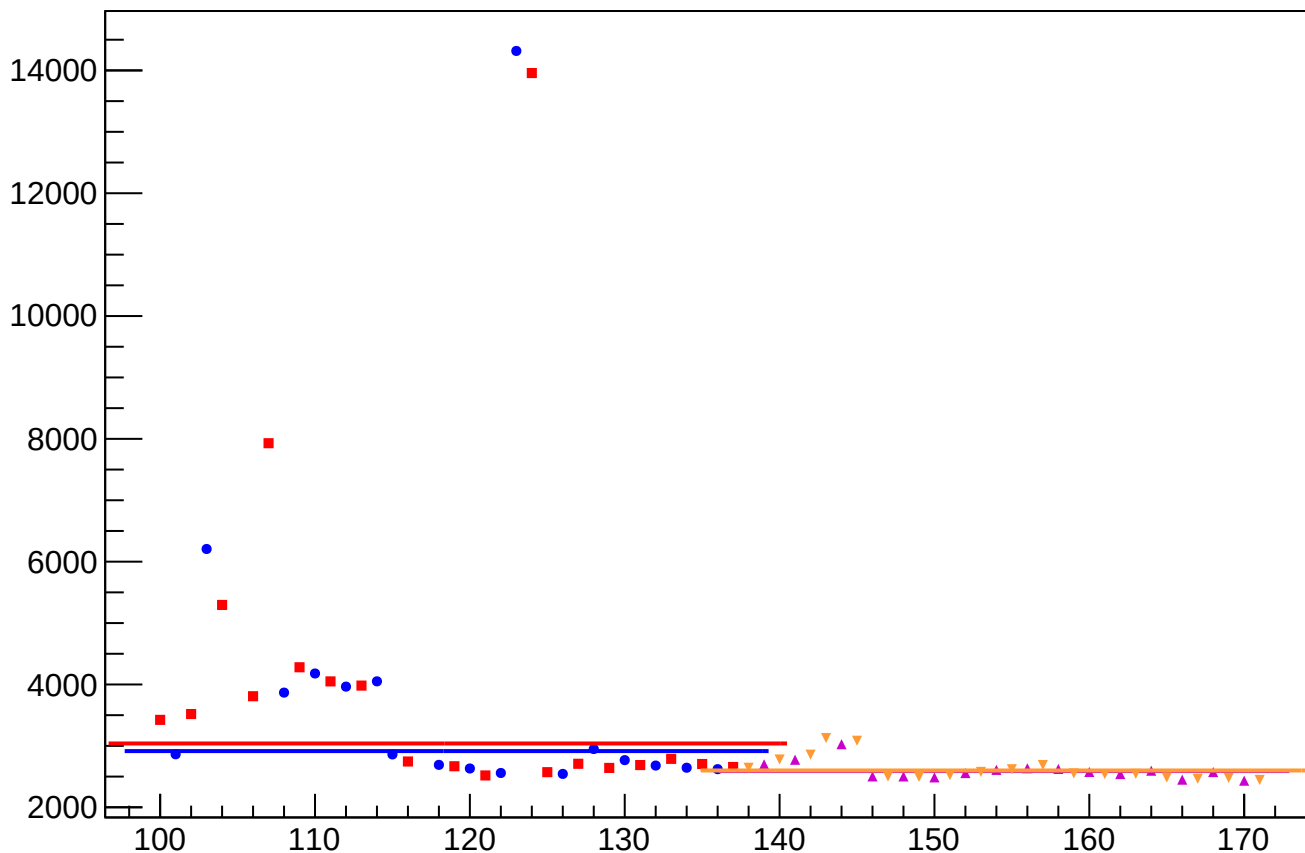
Left In: -1432.395+/-734.829 χ^2/NDF : 15.6/15

+ sign 1309.293+/-605.890 χ^2/NDF : 36.7/34

All: 18.772+/-434.959 χ^2/NDF : 86.8/69

- sign -1353.542+/-624.796 χ^2/NDF : 40.8/34

asym_atl1_rms vs Slug



Right In: 2915.201+/-0.821 χ^2 /NDF: 639136.4/16

Left Out: 2599.465+/-0.502 χ^2 /NDF:116747.5/17

Right Out: 3039.139+/-0.839 χ^2 /NDF: 1011383.0/18

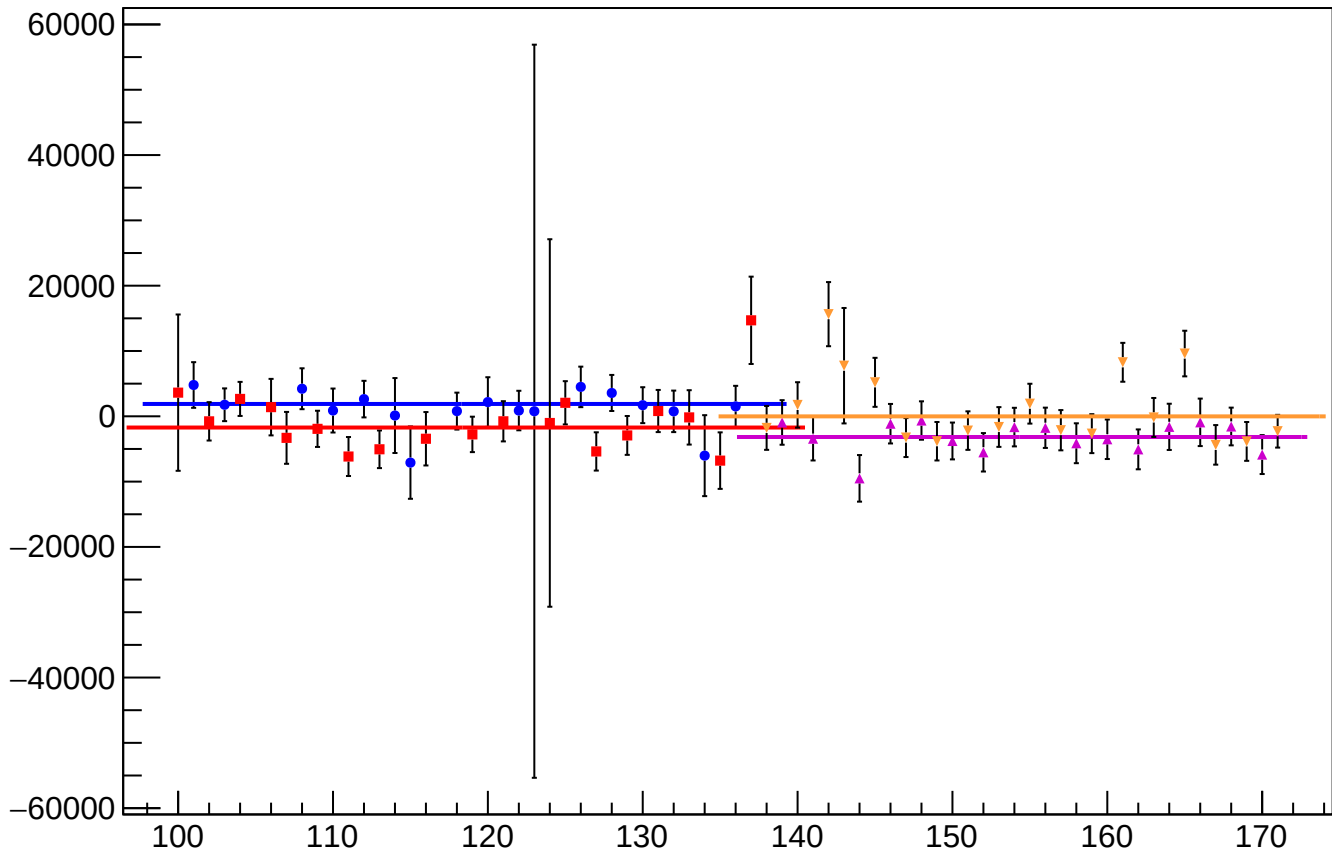
Left In: 2589.853+/-0.520 χ^2 /NDF:64208.0/15

+ sign 2685.540+/-0.428 χ^2 /NDF: 863581.2/34

All: 2699.494+/-0.308 χ^2 /NDF: 2148505.0/69

- sign 2714.331+/-0.442 χ^2 /NDF: 1282735.2/34

reg_asym_atl2_mean vs Slug



Right In: 1889.943 ± 811.431 χ^2/NDF : 7.3/16

Left Out: -11.238 ± 753.570 χ^2/NDF : 38.6/17

Right Out: -1719.130 ± 790.110 χ^2/NDF : 19.0/18

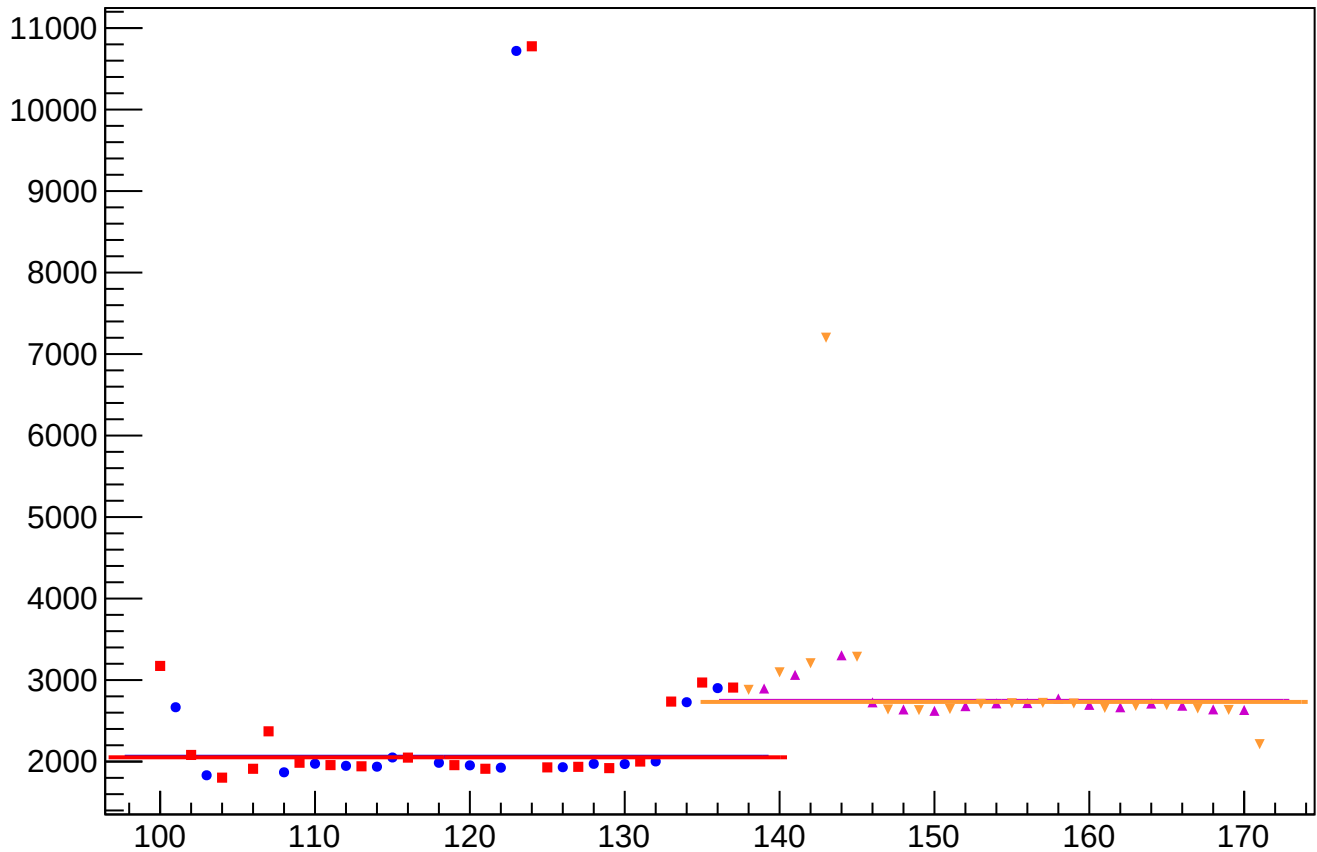
Left In: -3168.303 ± 778.004 χ^2/NDF : 8.1/15

+ sign 869.158 ± 552.178 χ^2/NDF : 48.8/34

All: -786.310 ± 391.219 χ^2/NDF : 95.7/69

- sign -2454.904 ± 554.362 χ^2/NDF : 28.8/34

reg_asym_atl2_rms vs Slug



Right In: 2058.963+/-0.574 χ^2/NDF : 318561.5/16

Left Out: 2731.724+/-0.533 χ^2/NDF : 696827.0/17

Right Out: 2052.260+/-0.559 χ^2/NDF : 443321.6/18

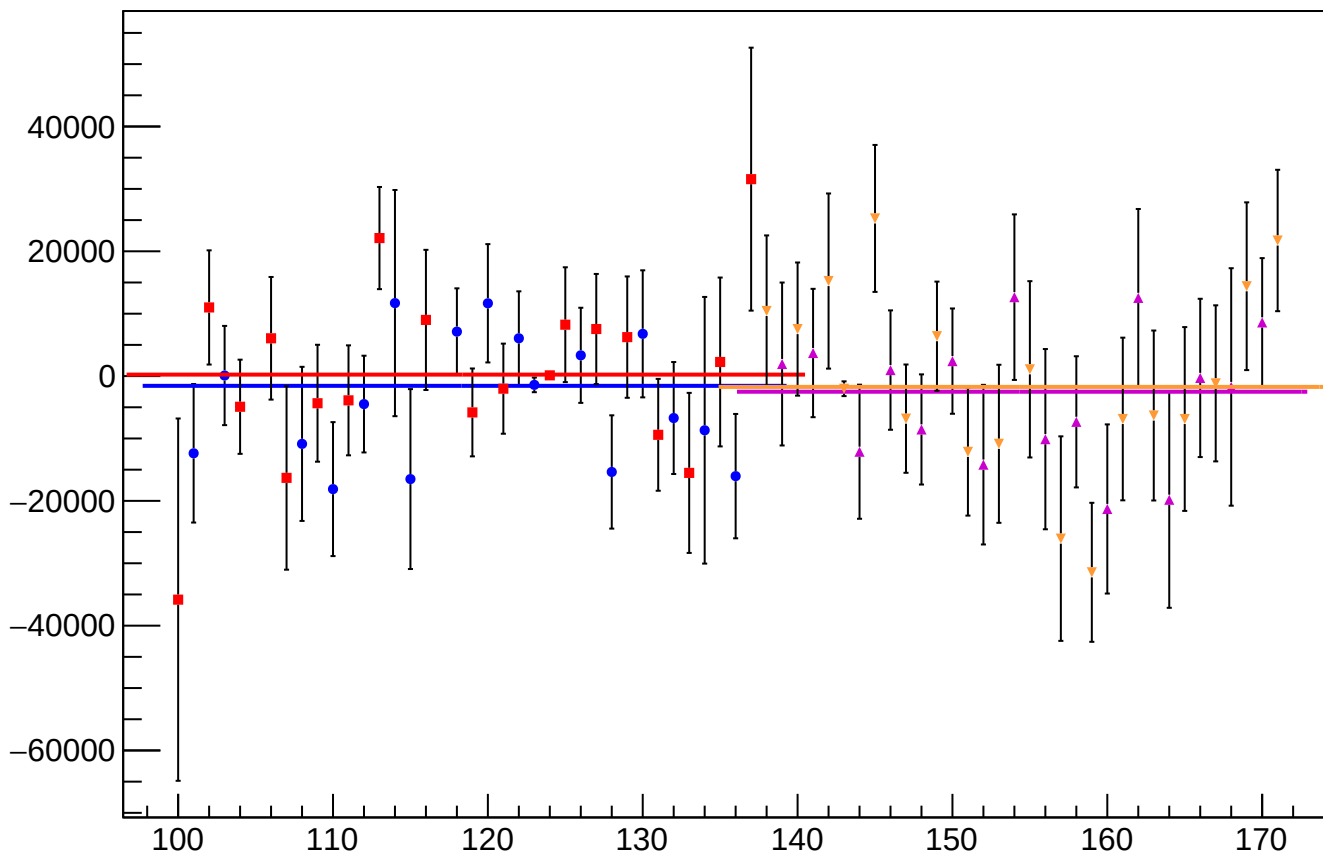
Left In: 2744.593+/-0.550 χ^2/NDF : 87286.8/15

+ sign 2420.183+/-0.390 χ^2/NDF : 1753563.6/34

All: 2412.009+/-0.277 χ^2/NDF : 3064724.5/69

- sign 2403.769+/-0.392 χ^2/NDF : 1310280.8/34

asym_atl2_correction_mean vs Slug



Right In: -1563.218 $\pm$ 1053.946 χ^2 /NDF: 16.2/16

Left Out: -1733.503 $\pm$ 1092.767 χ^2 /NDF: 26.8/17

Right Out: 236.197 $\pm$ 695.167 χ^2 /NDF: 20.8/18

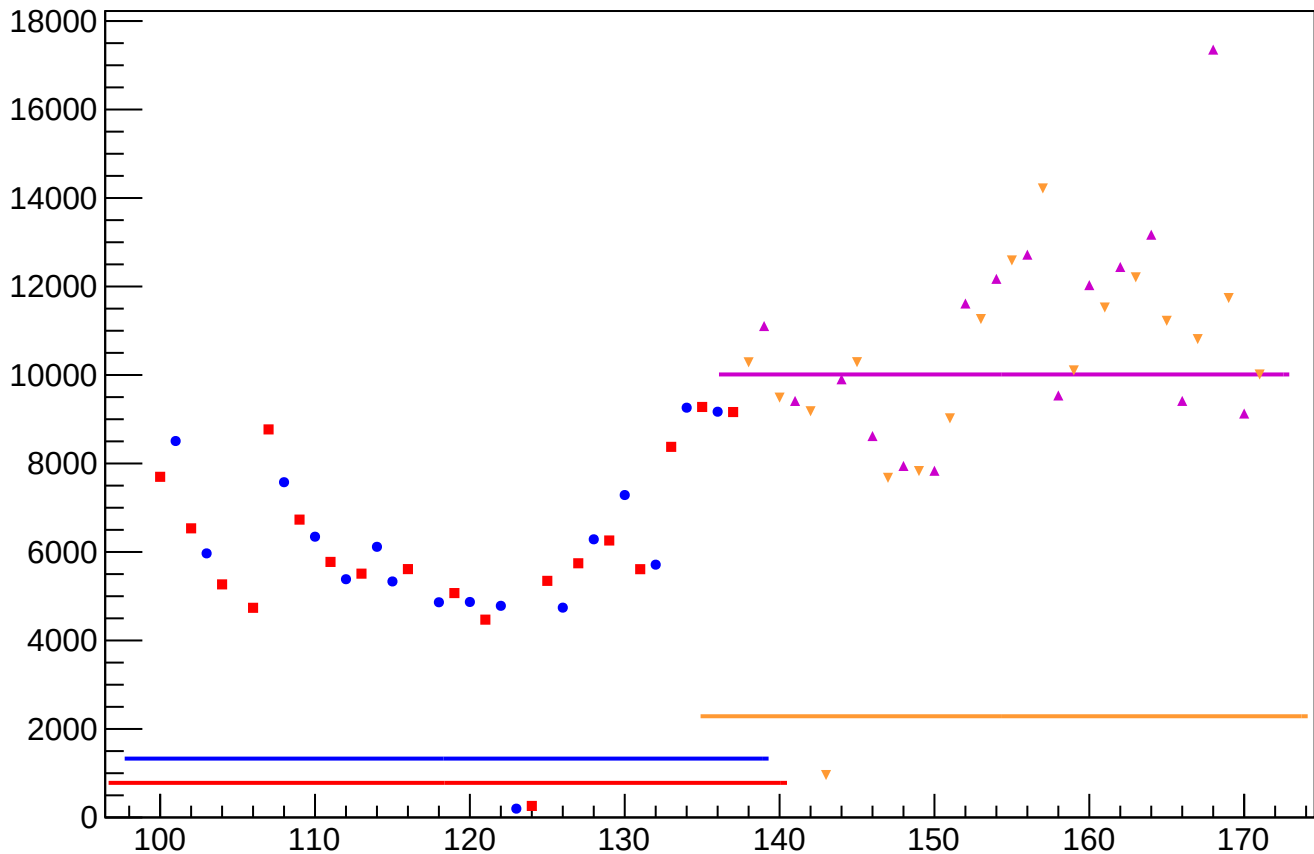
Left In: -2508.956 $\pm$ 2892.625 χ^2 /NDF: 10.1/15

+ sign -1645.282 $\pm$ 758.605 χ^2 /NDF: 43.0/34

All: -680.014 $\pm$ 504.660 χ^2 /NDF: 77.6/69

- sign 86.306 $\pm$ 675.922 χ^2 /NDF: 31.7/34

asym_atl2_correction_rms vs Slug



Right In: 1330.250+/-0.745 χ^2/NDF : 10046828.9/16

Left Out: 2287.216+/-0.773 χ^2/NDF : 17917417.9/17

Right Out: 781.848+/-0.492 χ^2/NDF : 11439893.7/18

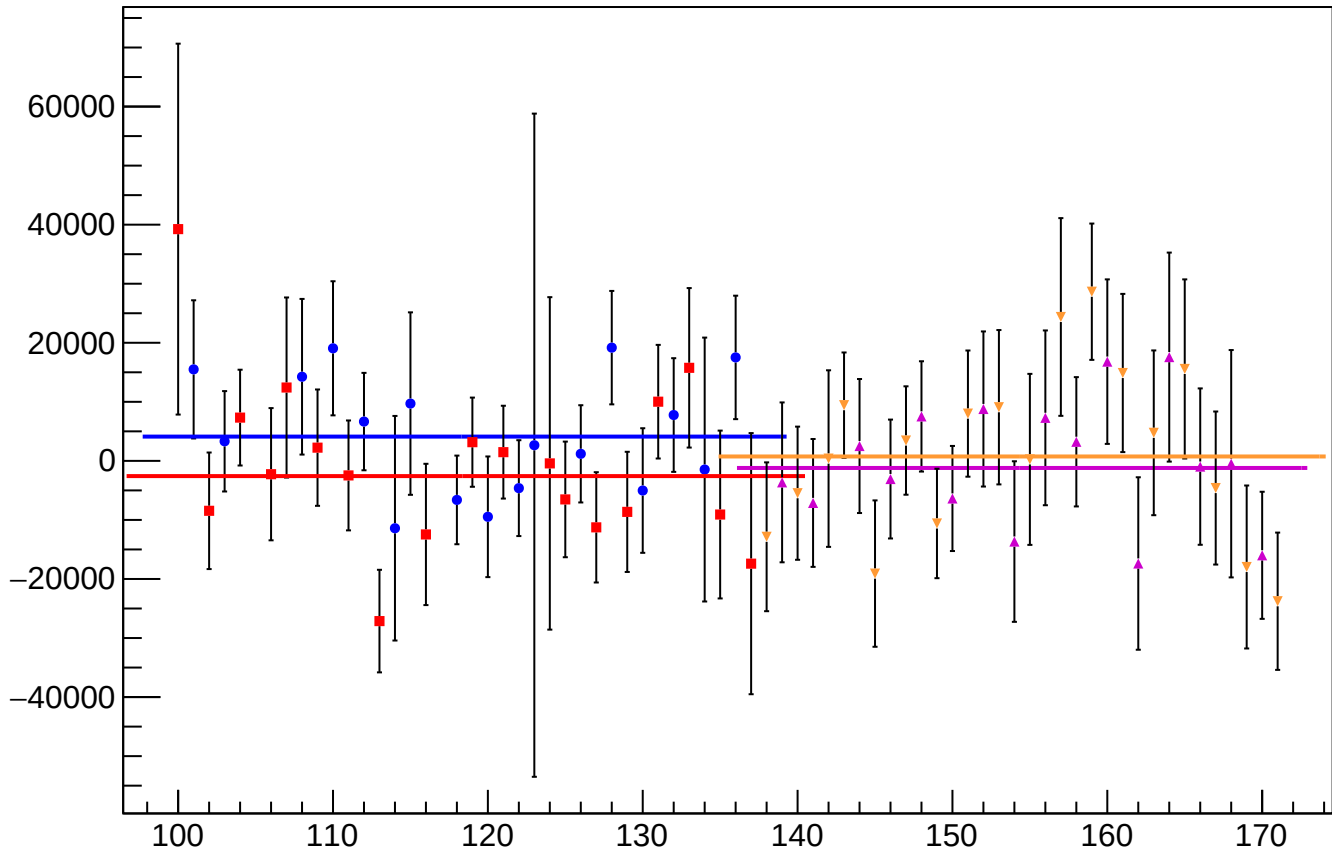
Left In: 10012.294+/-2.045 χ^2/NDF : 950871.7/15

+ sign 1791.433+/-0.536 χ^2/NDF : 28758873.7/34

All: 1509.597+/-0.357 χ^2/NDF : 60898175.3/6

- sign 1285.849+/-0.478 χ^2/NDF : 31644093.4/34

asym_atl2_mean vs Slug



Right In: 4111.784+/-2534.444 χ^2/NDF : 14.3/16

Left Out: 744.742+/-2824.472 χ^2/NDF : 23.9/17

Right Out: -2577.719+/-2420.480 χ^2/NDF : 20.0/18

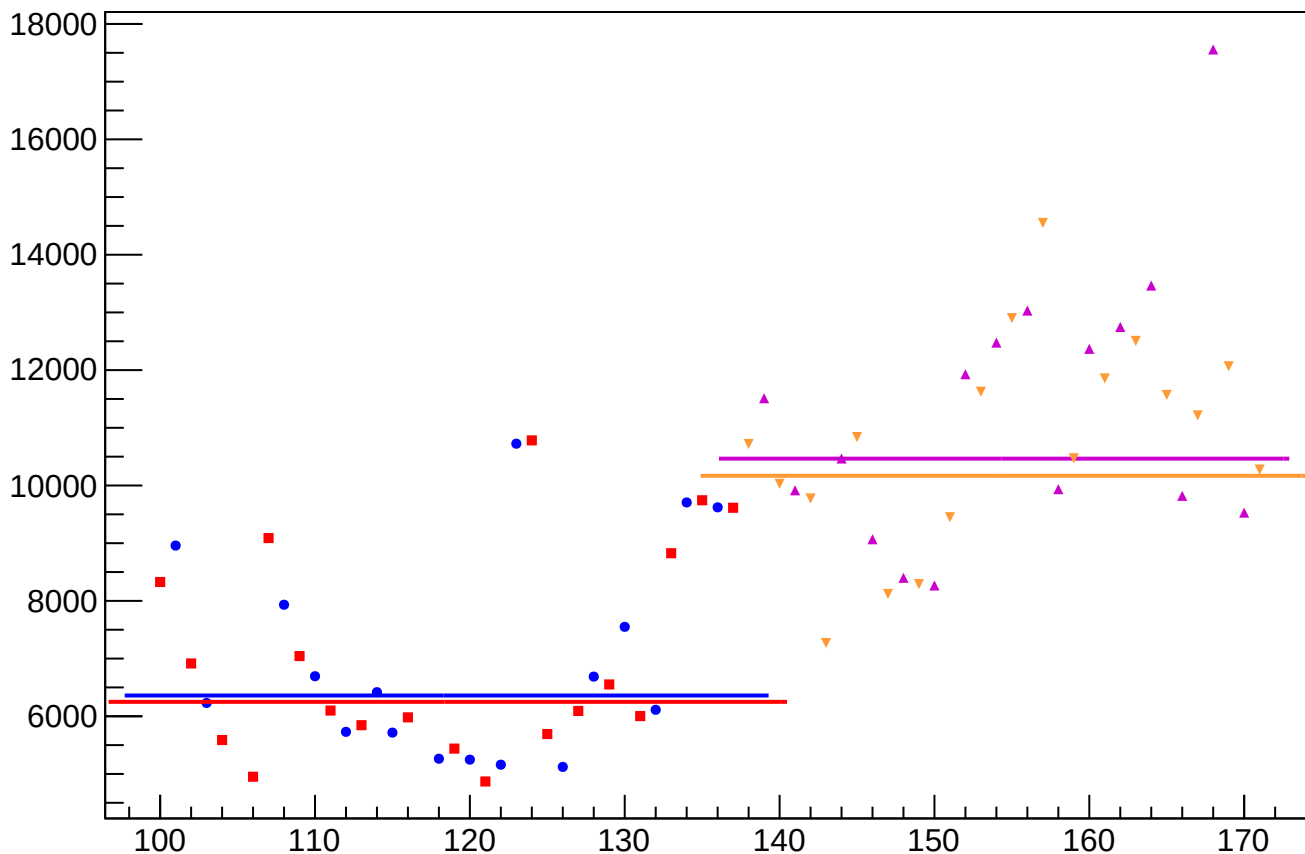
Left In: -1200.182+/-3016.462 χ^2/NDF : 9.5/15

+ sign 2609.958+/-1886.353 χ^2/NDF : 39.0/34

All: 287.735+/-1334.380 χ^2/NDF : 71.6/69

- sign -2038.159+/-1887.844 χ^2/NDF : 29.6/34

asym_atl2_rms vs Slug



Right In: 6359.928+/-1.792 χ^2/NDF : 580471.0/16

Left Out: 10168.843+/-1.997 χ^2/NDF : 803928.8/17

Right Out: 6250.049+/-1.711 χ^2/NDF : 532966.2/18

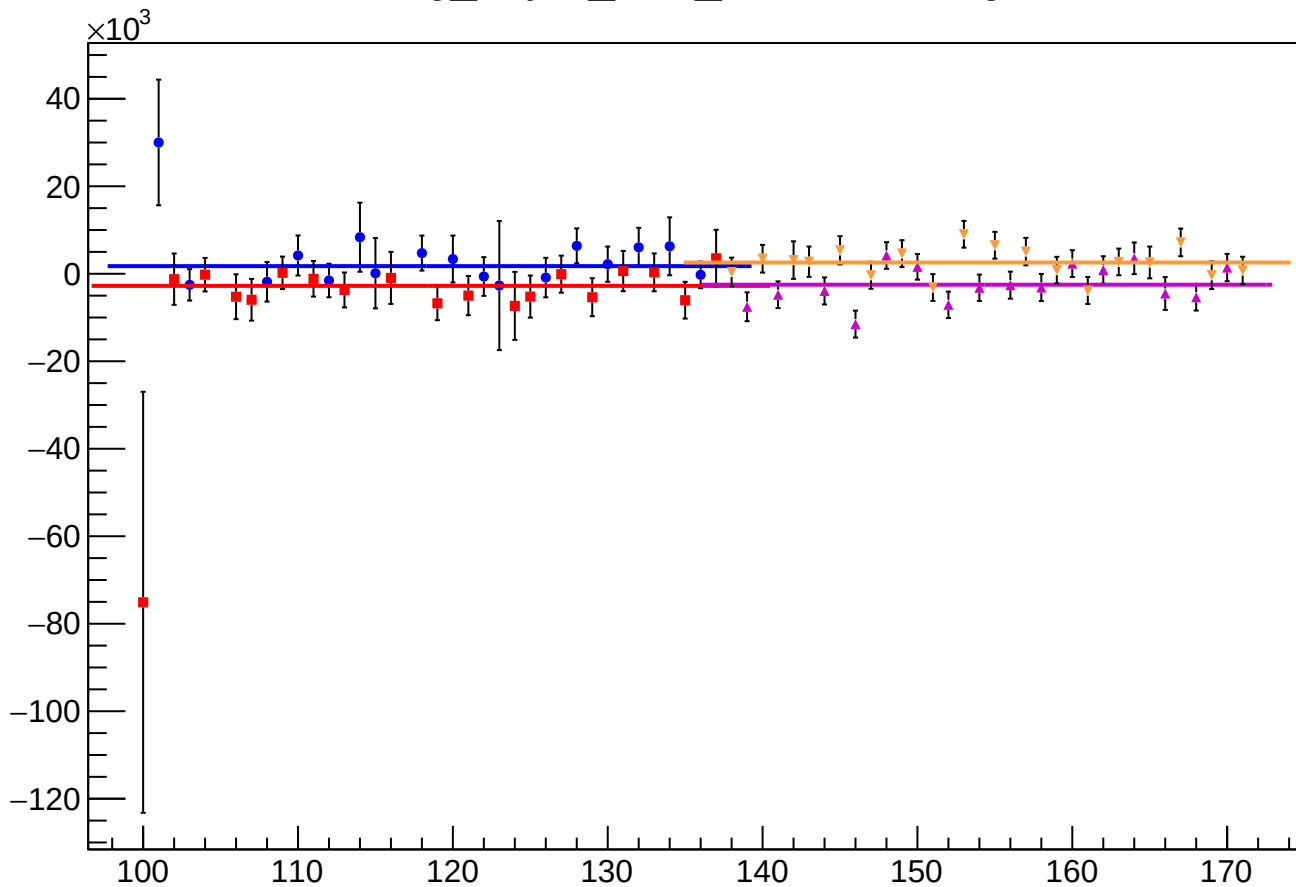
Left In: 10465.340+/-2.133 χ^2/NDF : 843968.2/15

+ sign 8058.838+/-1.334 χ^2/NDF : 3399238.4/34

All: 7979.989+/-0.944 χ^2/NDF : 7159099.1/69

- sign 7901.020+/-1.335 χ^2/NDF : 3752866.5/34

reg_asym_atr1_mean vs Slug



Right In: 1746.001 ± 1128.522 χ^2/NDF : 12.2/16

Left Out: 2576.734 ± 754.199 χ^2/NDF : 20.7/17

Right Out: -2763.863 ± 1071.947 χ^2/NDF : 9.7/18

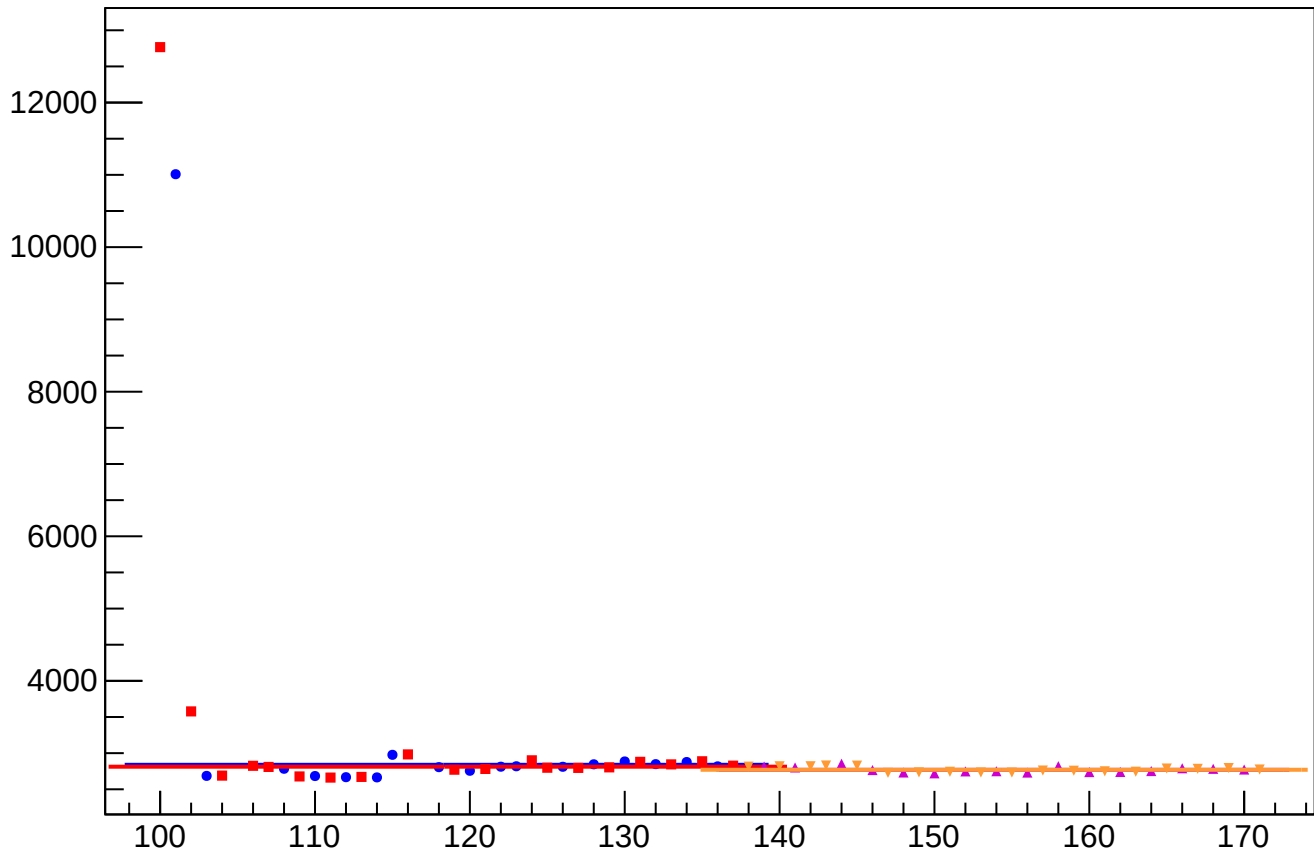
Left In: -2499.563 ± 783.274 χ^2/NDF : 30.1/15

+ sign 2320.253 ± 627.057 χ^2/NDF : 33.3/34

All: -114.703 ± 445.283 χ^2/NDF : 103.5/69

- sign -2591.560 ± 632.429 χ^2/NDF : 39.8/34

reg_asym_atr1_rms vs Slug



Right In: 2838.737 $\pm$ 0.798 χ^2 /NDF: 660209.3/16

Left Out: 2770.086 $\pm$ 0.533 χ^2 /NDF: 4220.6/17

Right Out: 2812.627 $\pm$ 0.758 χ^2 /NDF: 133064.0/18

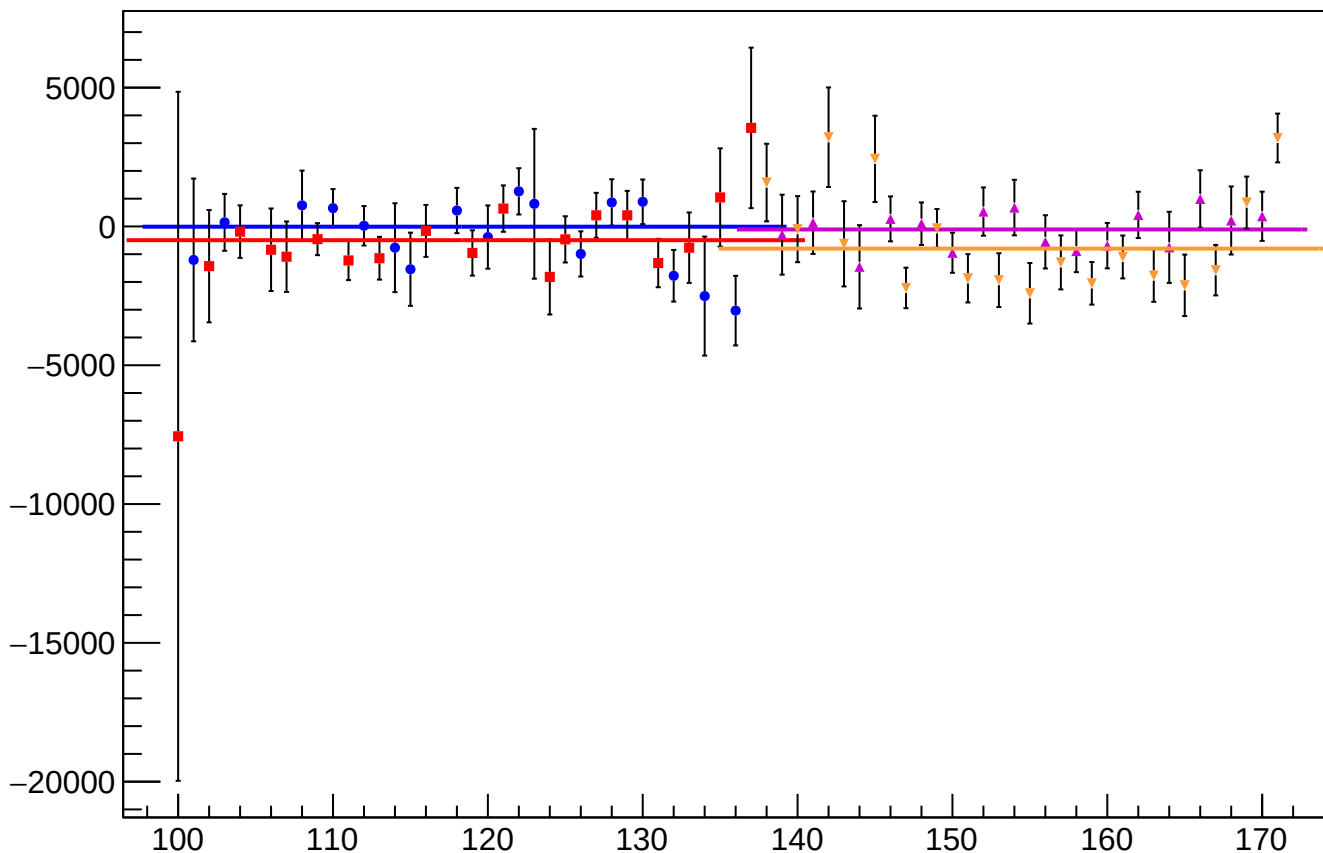
Left In: 2768.924 $\pm$ 0.554 χ^2 /NDF: 4524.5/15

+ sign 2791.281 $\pm$ 0.443 χ^2 /NDF: 669546.1/34

All: 2787.739 $\pm$ 0.315 χ^2 /NDF: 809430.7/69

- sign 2784.136 $\pm$ 0.447 χ^2 /NDF: 139755.8/34

asym_atr1_correction_mean vs Slug



Right In: -9.845 ± 241.678 χ^2/NDF : 20.7/16

Left Out: -797.837 ± 226.200 χ^2/NDF : 52.5/17

Right Out: -495.250 ± 221.487 χ^2/NDF : 11.9/18

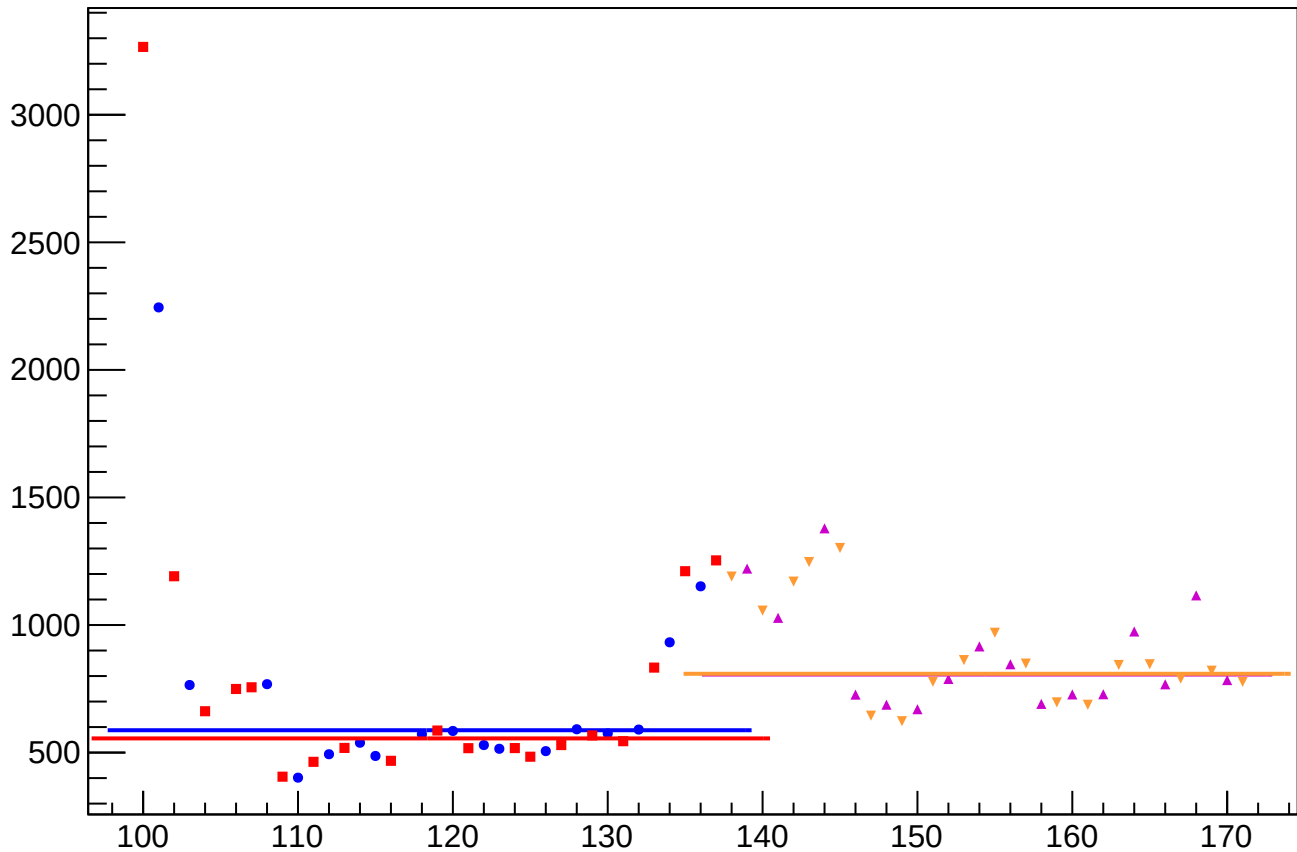
Left In: -109.324 ± 233.047 χ^2/NDF : 7.6/15

+ sign -429.882 ± 165.148 χ^2/NDF : 78.8/34

All: -369.325 ± 115.116 χ^2/NDF : 100.0/69

- sign -312.096 ± 160.546 χ^2/NDF : 20.9/34

asym_atr1_correction_rms vs Slug



Right In: 587.596+/-0.171 χ^2/NDF : 1425769.6/16

Left Out: 808.853+/-0.160 χ^2/NDF : 1081013.2/17

Right Out: 555.534+/-0.157 χ^2/NDF : 1106760.5/18

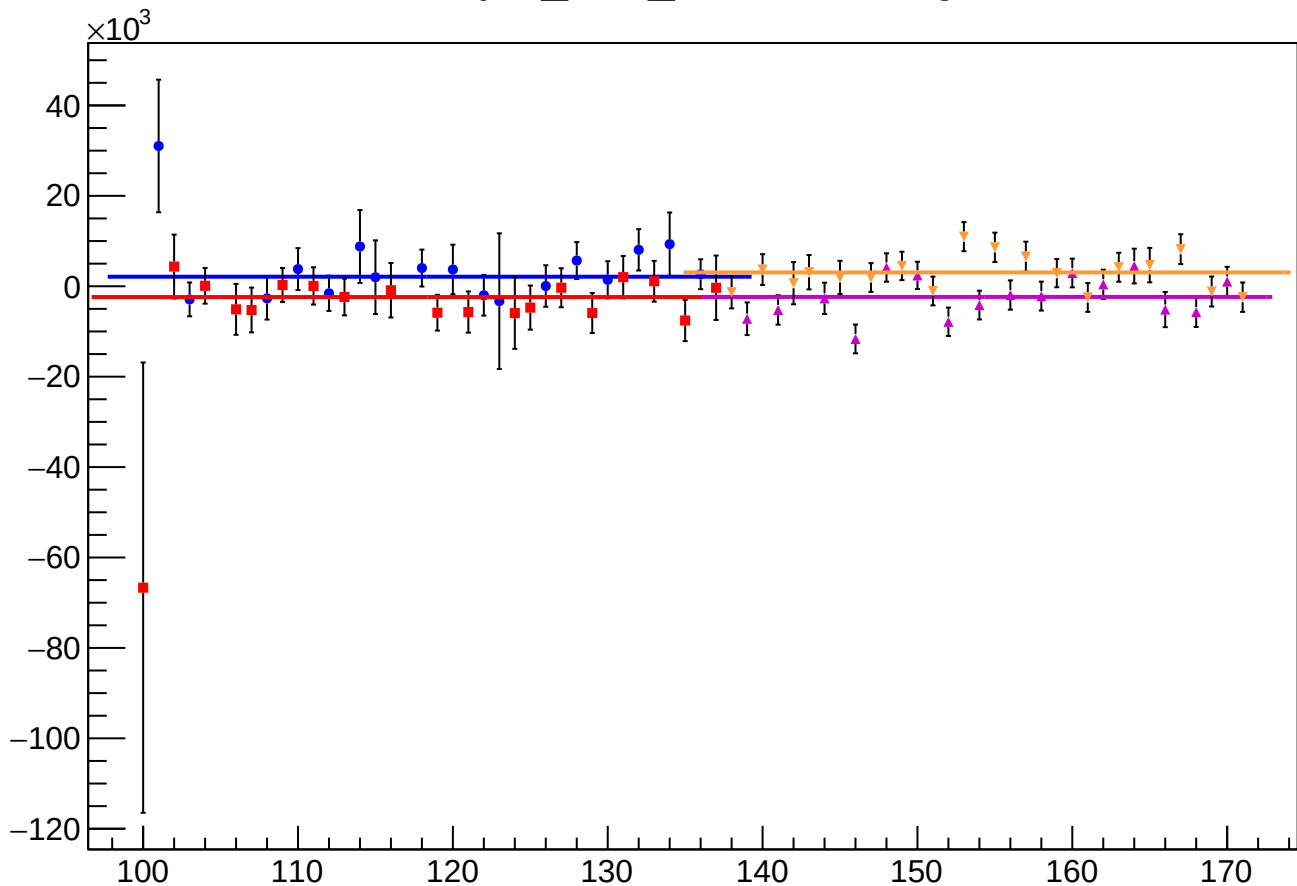
Left In: 805.902+/-0.165 χ^2/NDF : 949560.4/15

+ sign 705.537+/-0.117 χ^2/NDF : 3400323.3/34

All: 689.505+/-0.081 χ^2/NDF : 6706147.5/69

- sign 674.355+/-0.114 χ^2/NDF : 3269167.0/34

asym_atr1_mean vs Slug



Right In: 2108.498 $\pm$ 1164.336 χ^2 /NDF: 13.5/16

Left Out: 3059.153 $\pm$ 795.457 χ^2 /NDF:24.2/17

Right Out: -2385.851 $\pm$ 1110.248 χ^2 /NDF: 9.9/18

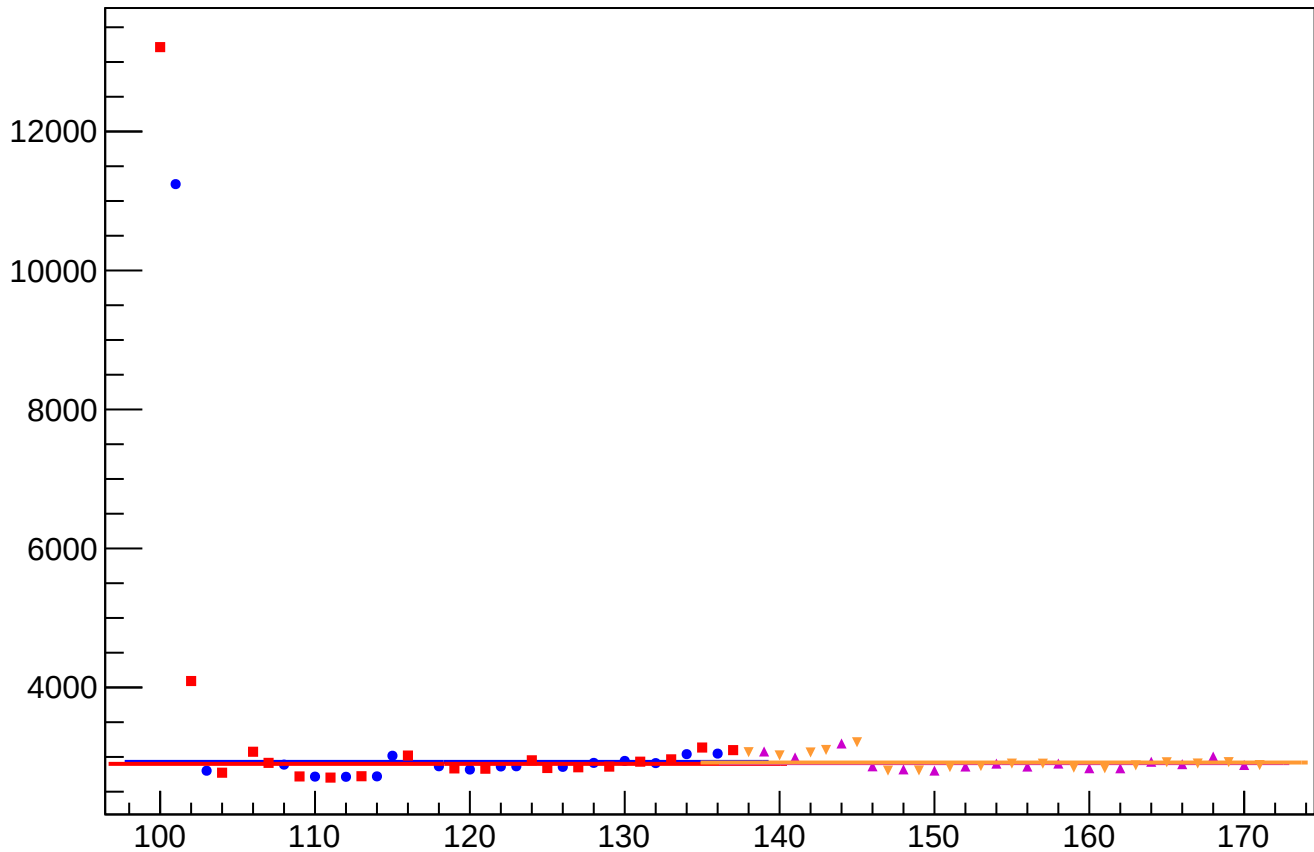
Left In: -2358.358 $\pm$ 823.952 χ^2 /NDF:30.6/15

+ sign 2756.638 $\pm$ 656.810 χ^2 /NDF: 38.1/34

All: 213.074 $\pm$ 466.137 χ^2 /NDF: 108.9/69

- sign -2368.122 $\pm$ 661.651 χ^2 /NDF: 40.5/34

asym_atr1_rms vs Slug



Right In: 2928.700+/-0.823 χ^2/NDF : 662362.9/16

Left Out: 2919.605+/-0.562 χ^2/NDF : 34221.6/17

Right Out: 2900.472+/-0.785 χ^2/NDF : 169720.6/18

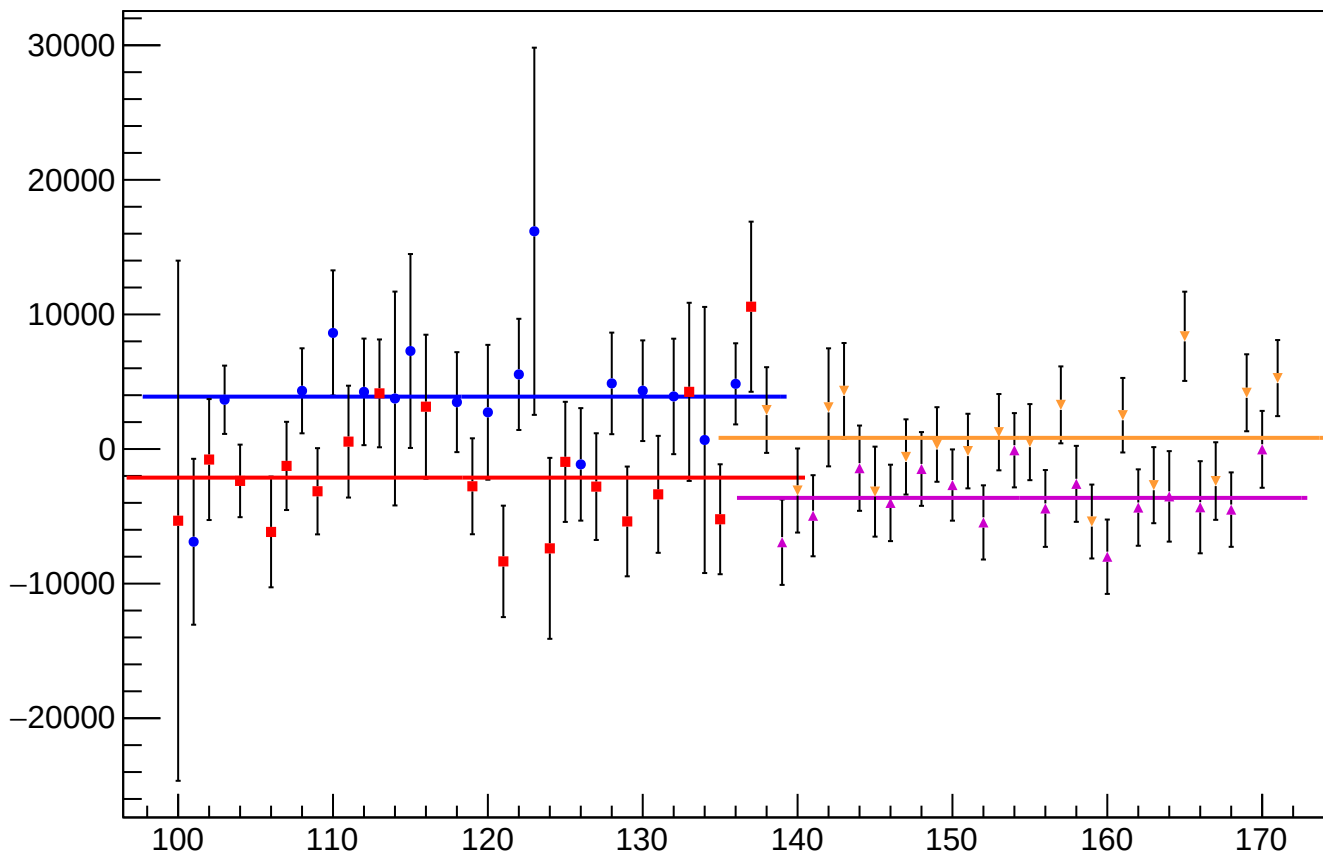
Left In: 2911.304+/-0.583 χ^2/NDF : 28421.2/15

+ sign 2922.499+/-0.464 χ^2/NDF : 696667.7/34

All: 2915.033+/-0.330 χ^2/NDF : 895452.9/69

- sign 2907.457+/-0.468 χ^2/NDF : 198264.6/34

reg_asym_atr2_mean vs Slug



Right In: 3892.504+/-1011.718 χ^2/NDF : 7.1/16

Left Out: 829.908+/-701.961 χ^2/NDF : 23.1/17

Right Out: -2124.700+/-958.418 χ^2/NDF : 14.3/18

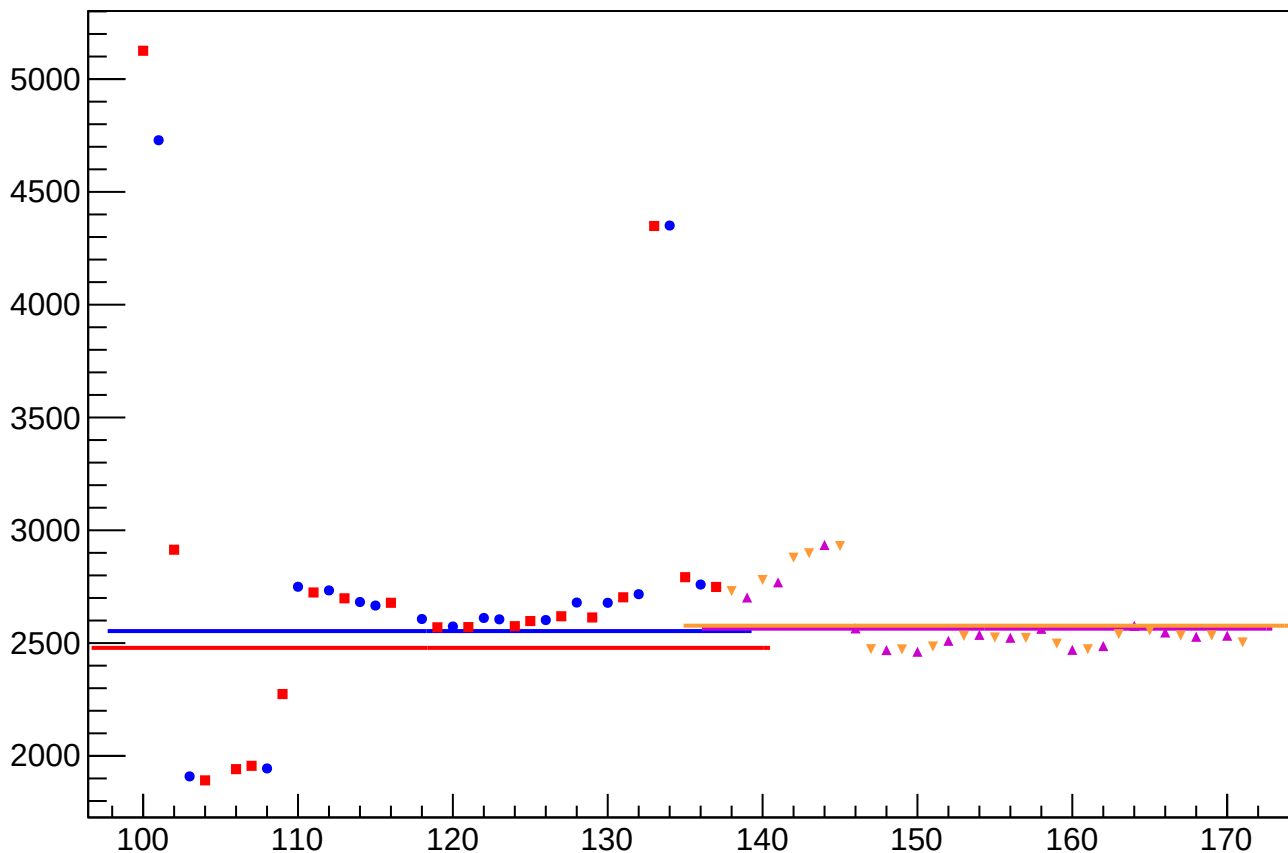
Left In: -3630.675+/-724.998 χ^2/NDF : 9.1/15

+ sign 1825.139+/-576.736 χ^2/NDF : 36.5/34

All: -622.479+/-408.331 χ^2/NDF : 97.6/69

- sign -3082.565+/-578.203 χ^2/NDF : 25.0/34

reg_asym_atr2_rms vs Slug



Right In: 2553.280+/-0.715 χ^2/NDF : 545226.9/16

Left Out: 2577.152+/-0.496 χ^2/NDF : 78136.7/17

Right Out: 2478.860+/-0.678 χ^2/NDF : 449502.6/18

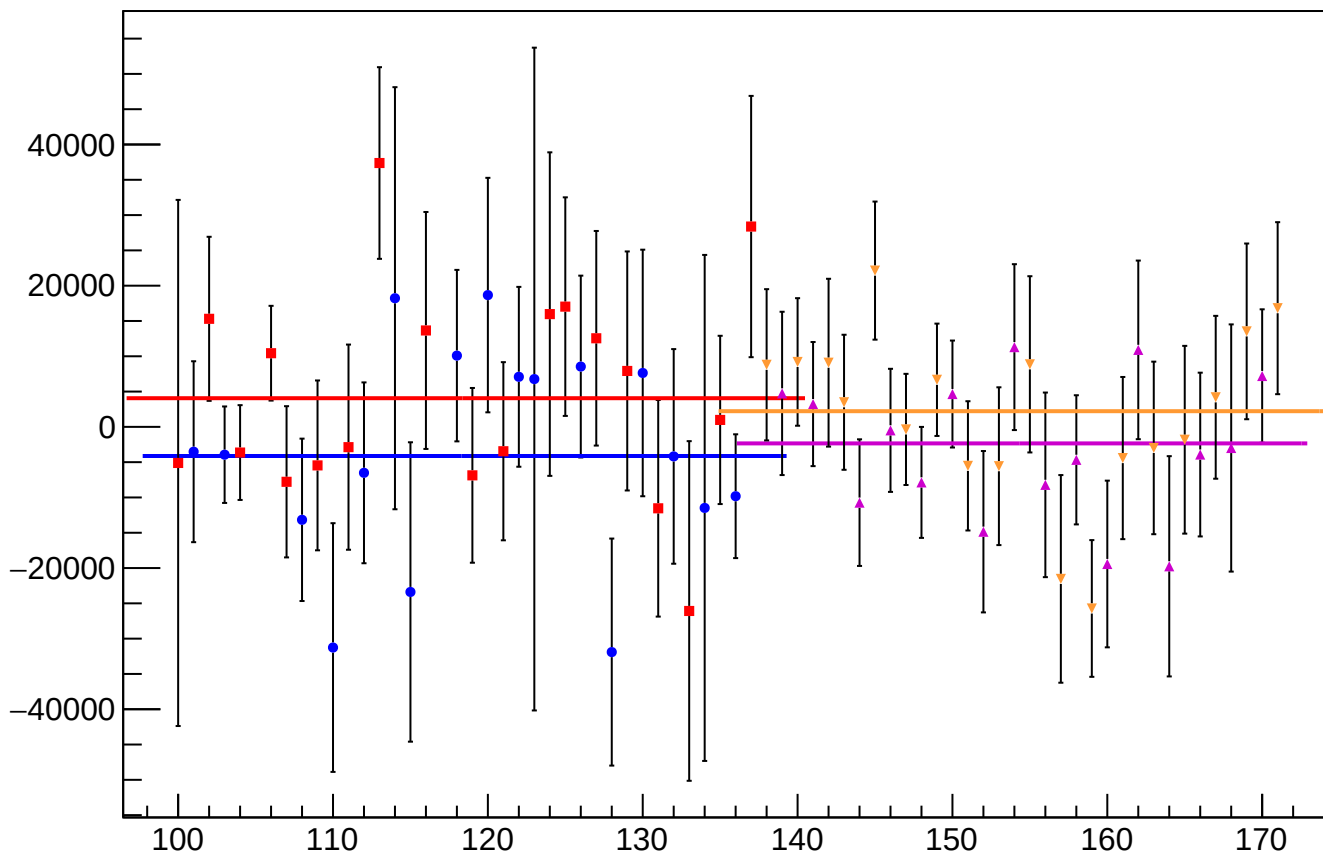
Left In: 2563.861+/-0.513 χ^2/NDF : 51711.5/15

+ sign 2569.395+/-0.408 χ^2/NDF : 624115.2/34

All: 2551.206+/-0.289 χ^2/NDF : 1139323.9/69

- sign 2532.924+/-0.409 χ^2/NDF : 511220.0/34

asym_atr2_correction_mean vs Slug



Right In: -4126.319 ± 3227.044 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 2220.773 ± 2472.083 $\chi^2/\text{NDF}: 21.2/17$

Right Out: 4060.328 ± 2834.326 $\chi^2/\text{NDF}: 18.5/18$

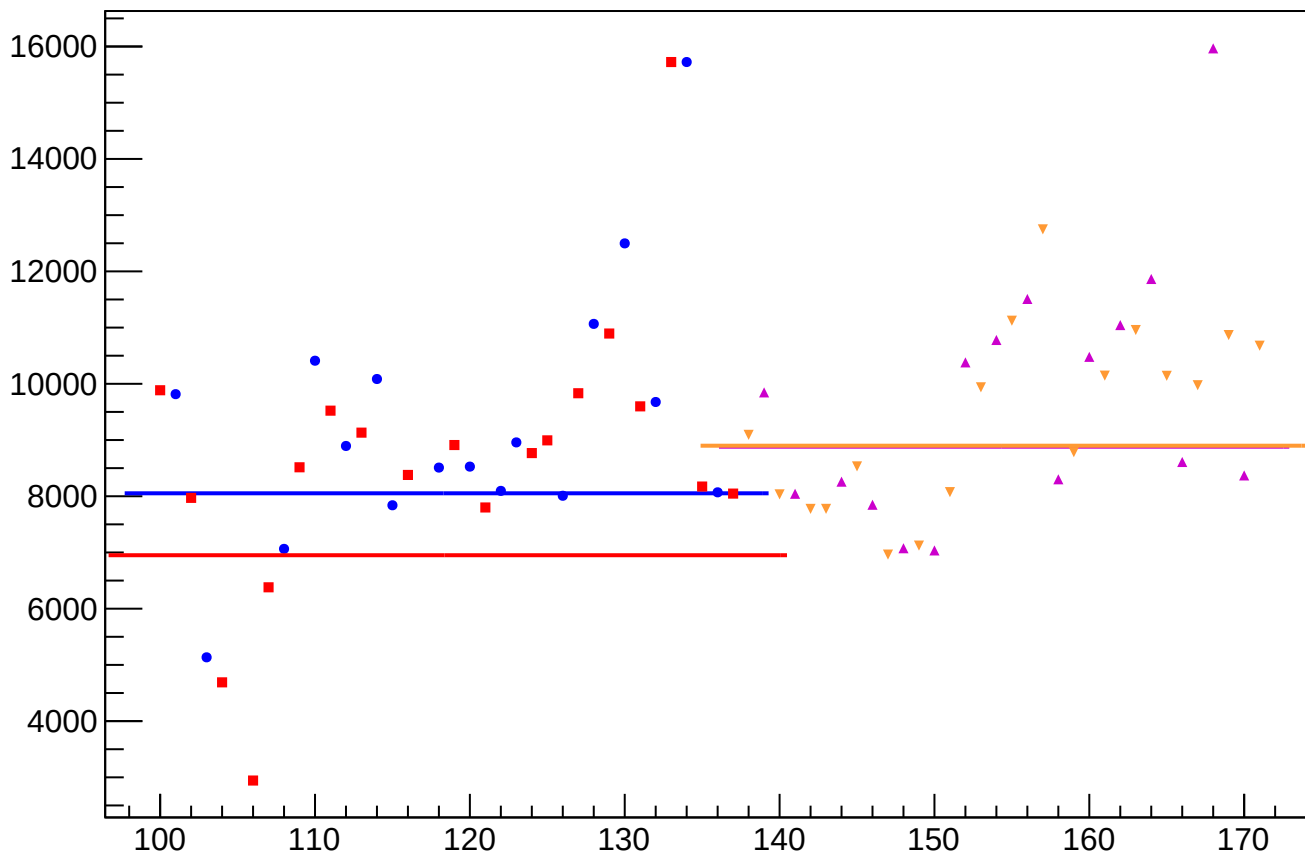
Left In: -2341.123 ± 2567.214 $\chi^2/\text{NDF}: 11.3/15$

+ sign -126.477 ± 1962.443 $\chi^2/\text{NDF}: 37.0/34$

All: 219.021 ± 1366.059 $\chi^2/\text{NDF}: 69.7/69$

- sign 543.816 ± 1902.738 $\chi^2/\text{NDF}: 32.6/34$

asym_atr2_correction_rms vs Slug



Right In: 8052.552+/-2.282 χ^2/NDF : 790724.2/16

Left Out: 8899.035+/-1.748 χ^2/NDF : 730034.4/17

Right Out: 6950.943+/-2.004 χ^2/NDF : 1776578.9/18

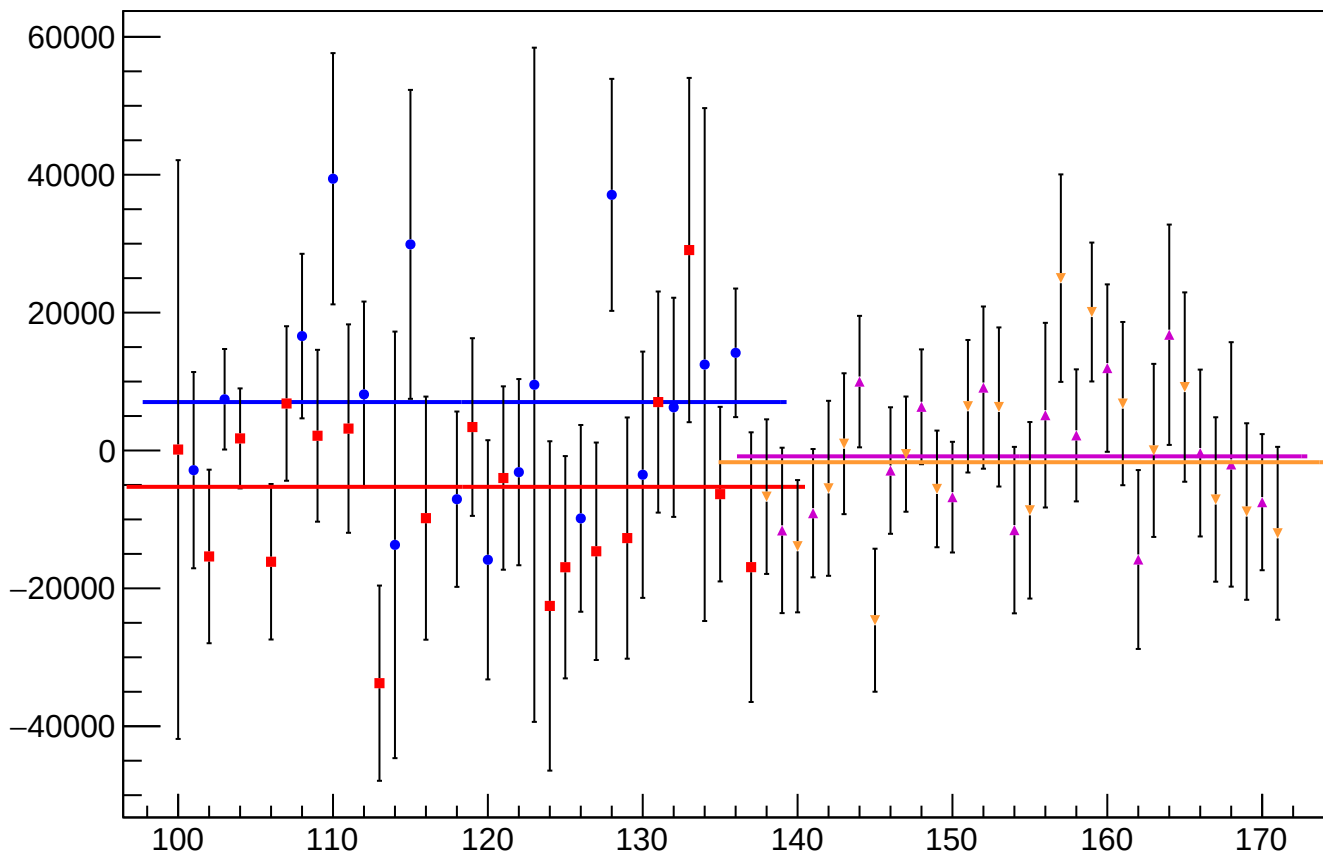
Left In: 8881.243+/-1.815 χ^2/NDF : 972188.8/15

+ sign 8585.993+/-1.388 χ^2/NDF : 1607479.8/34

All: 8289.780+/-0.966 χ^2/NDF : 4954231.4/69

- sign 8011.316+/-1.345 χ^2/NDF : 3258349.3/34

asym_atr2_mean vs Slug



Right In: 7025.400+/-3409.490 χ^2/NDF : 15.0/16

Left Out: -1700.601+/-2589.302 χ^2/NDF : 18.8/17

Right Out: -5271.793+/-3168.195 χ^2/NDF : 13.4/18

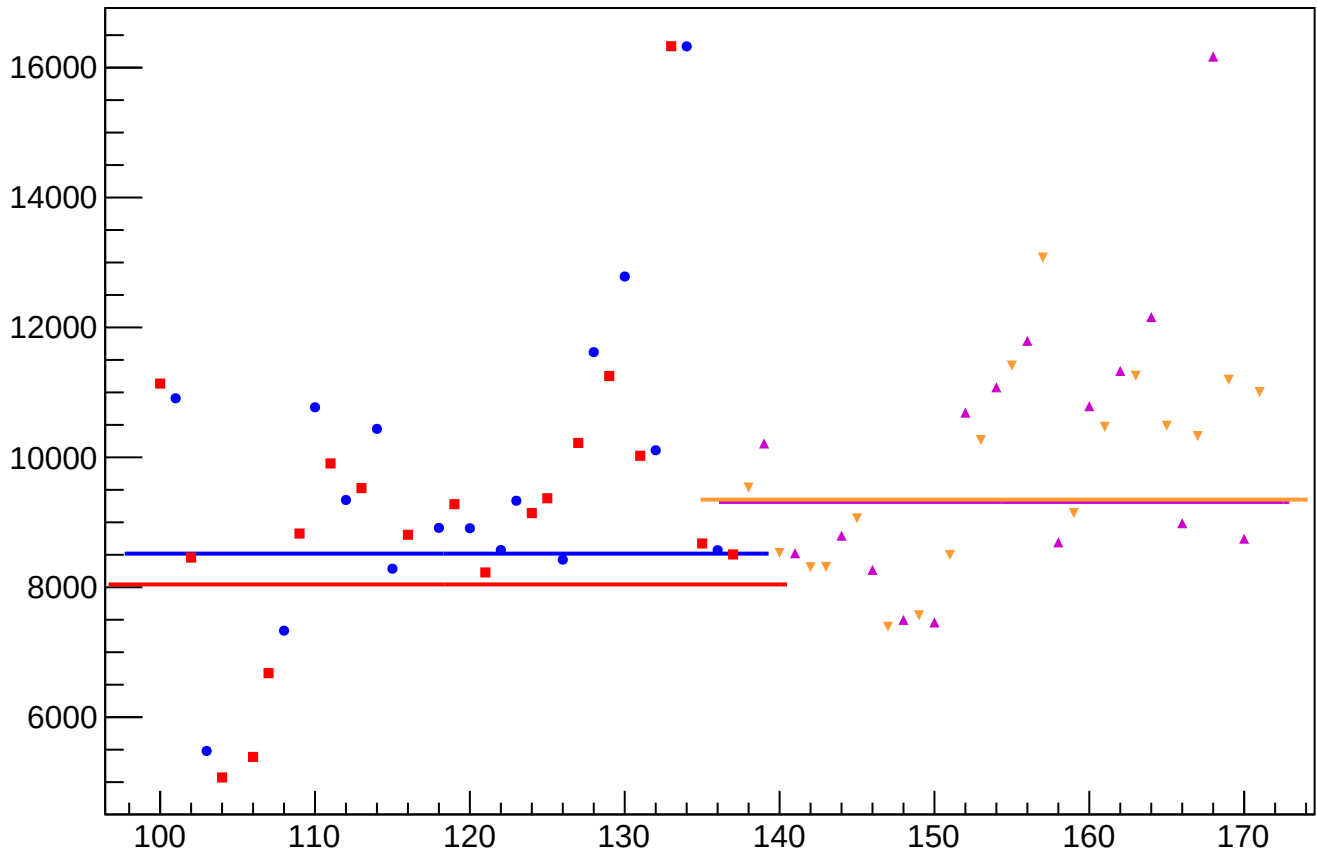
Left In: -847.804+/-2684.597 χ^2/NDF : 10.1/15

+ sign 1491.226+/-2062.061 χ^2/NDF : 37.9/34

All: -616.911+/-1453.160 χ^2/NDF : 64.6/69

- sign -2696.737+/-2048.168 χ^2/NDF : 24.6/34

asym_atr2_rms vs Slug



Right In: 8517.886+/-2.411 χ^2/NDF : 763281.4/16

Left Out: 9349.437+/-1.831 χ^2/NDF : 620332.0/17

Right Out: 8043.998+/-2.240 χ^2/NDF : 952125.8/18

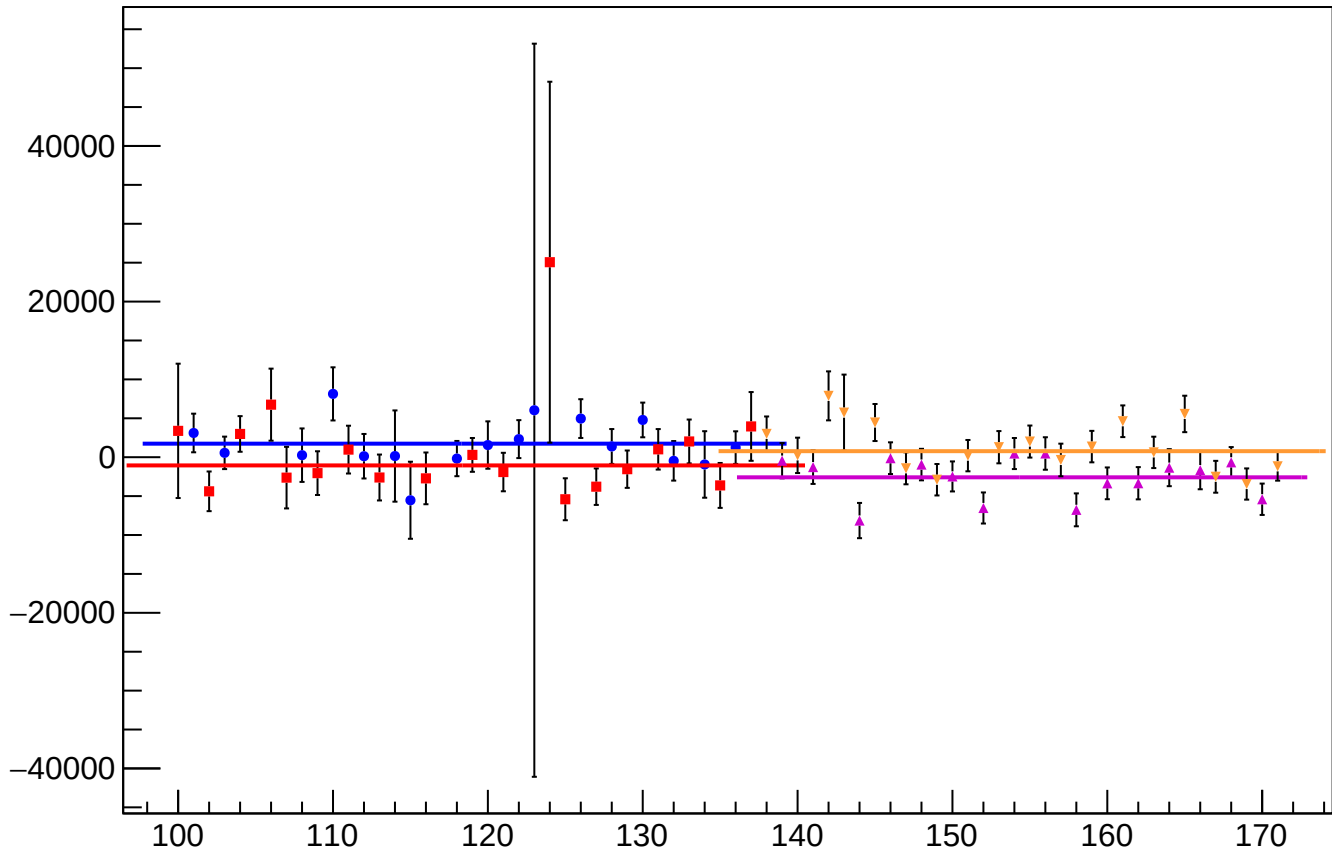
Left In: 9314.179+/-1.898 χ^2/NDF : 854785.6/15

+ sign 9045.270+/-1.458 χ^2/NDF : 1459064.7/34

All: 8913.400+/-1.028 χ^2/NDF : 3469348.0/69

- sign 8783.306+/-1.448 χ^2/NDF : 1994034.9/34

reg_asym_atl_avg_mean vs Slug



Right In: 1739.640 ± 670.395 χ^2/NDF : 12.4/16

Left Out: 774.644 ± 510.731 χ^2/NDF : 30.8/17

Right Out: -1055.584 ± 670.984 χ^2/NDF : 18.9/18

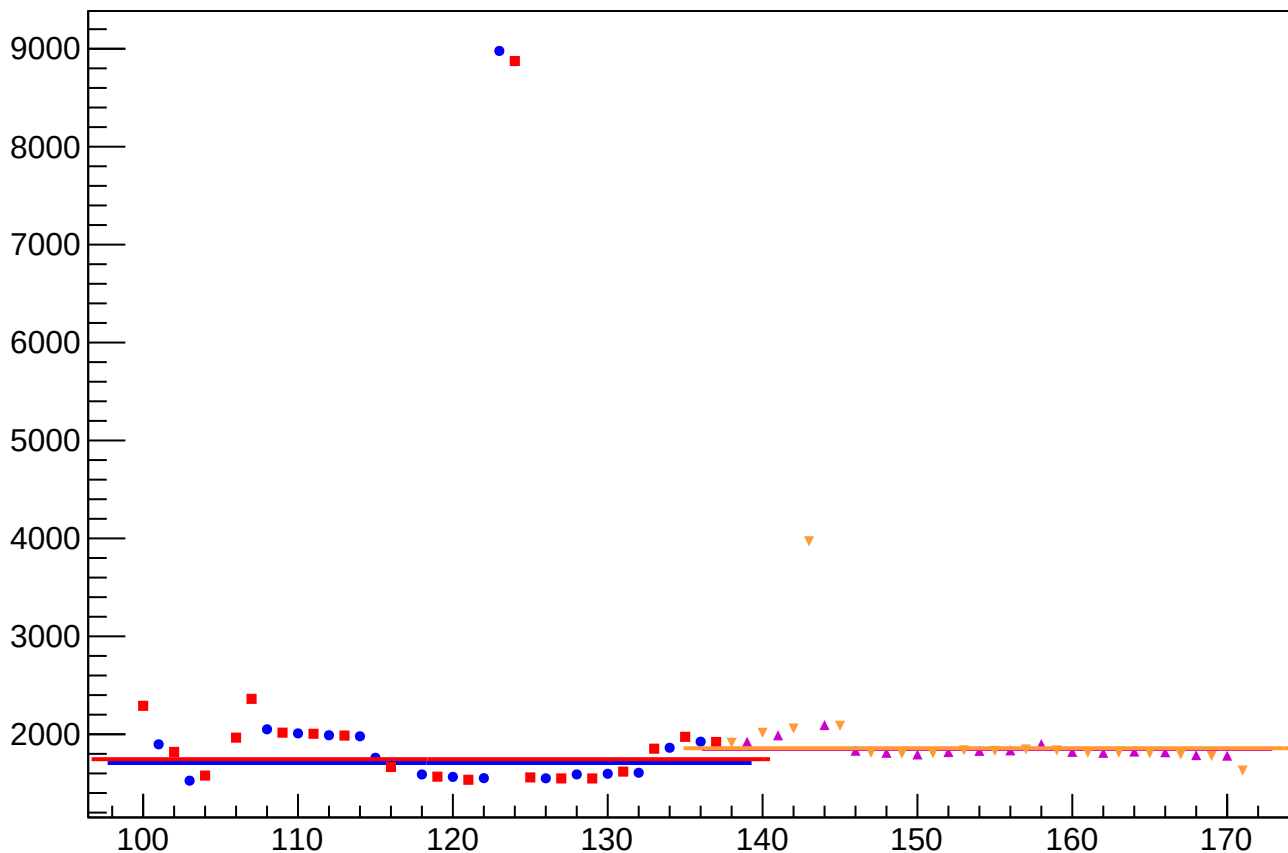
Left In: -2585.959 ± 524.805 χ^2/NDF : 25.3/15

+ sign 1129.035 ± 406.265 χ^2/NDF : 44.5/34

All: -410.828 ± 289.756 χ^2/NDF : 121.1/69

- sign -2005.099 ± 413.380 χ^2/NDF : 47.4/34

reg_asym_atl_avg_rms vs Slug



Right In: 1706.867+/-0.474 χ^2/NDF : 197555.1/16

Left Out: 1857.205+/-0.361 χ^2/NDF : 454856.0/17

+ sign 1801.994+/-0.287 χ^2/NDF : 716052.7/34

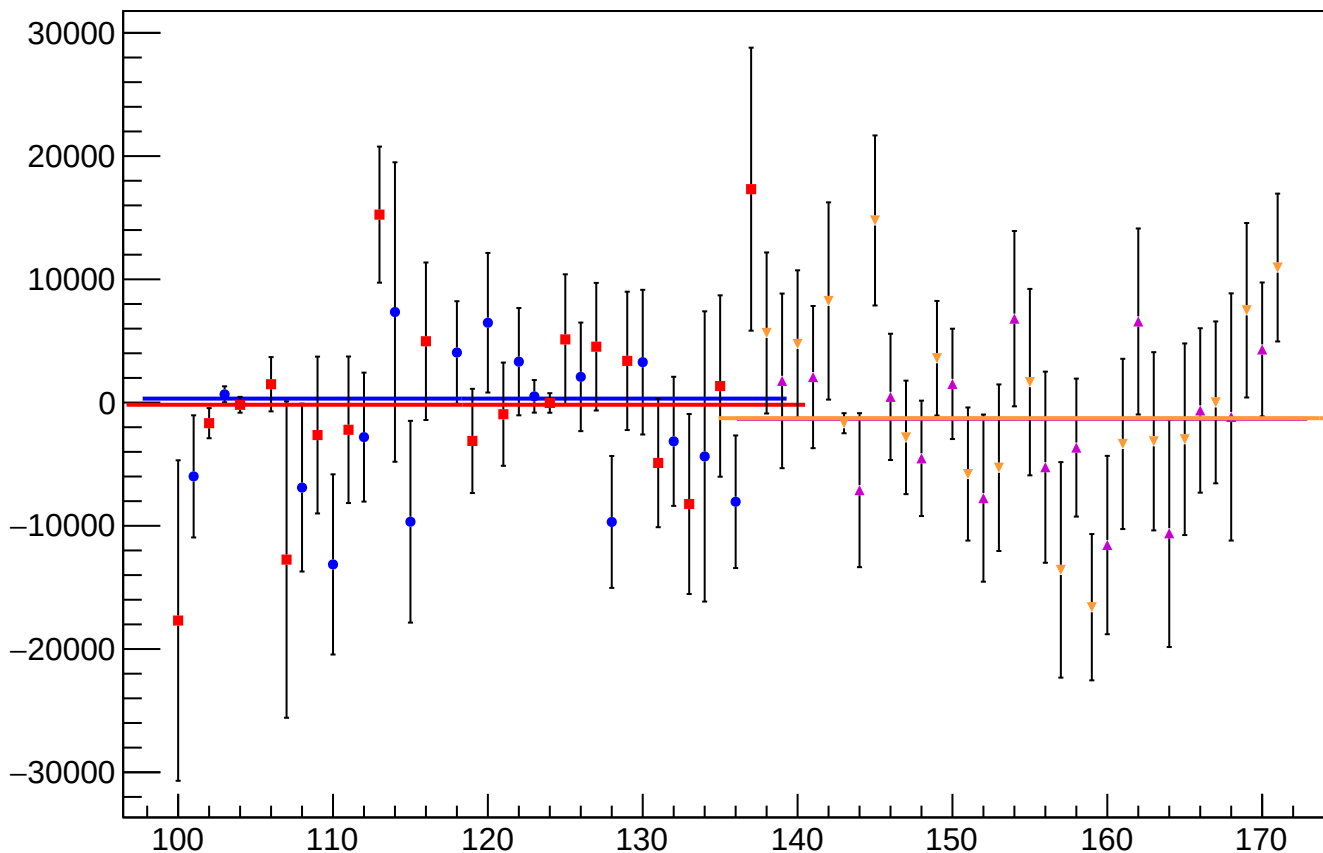
Right Out: 1745.434+/-0.472 χ^2/NDF : 399811.9/18

All: 1805.850+/-0.205 χ^2/NDF : 1190545.1/69

- sign 1809.829+/-0.292 χ^2/NDF : 474126.4/34

Left In: 1849.575+/-0.371 χ^2/NDF : 44256.8/15

asym_atl_avg_correction_mean vs Slug



Right In: 320.899 $\pm$ 540.384 χ^2 /NDF: 18.0/16

Left Out: -1266.572 $\pm$ 719.664 χ^2 /NDF:26.2/17

Right Out: -176.640 $\pm$ 433.552 χ^2 /NDF: 20.8/18

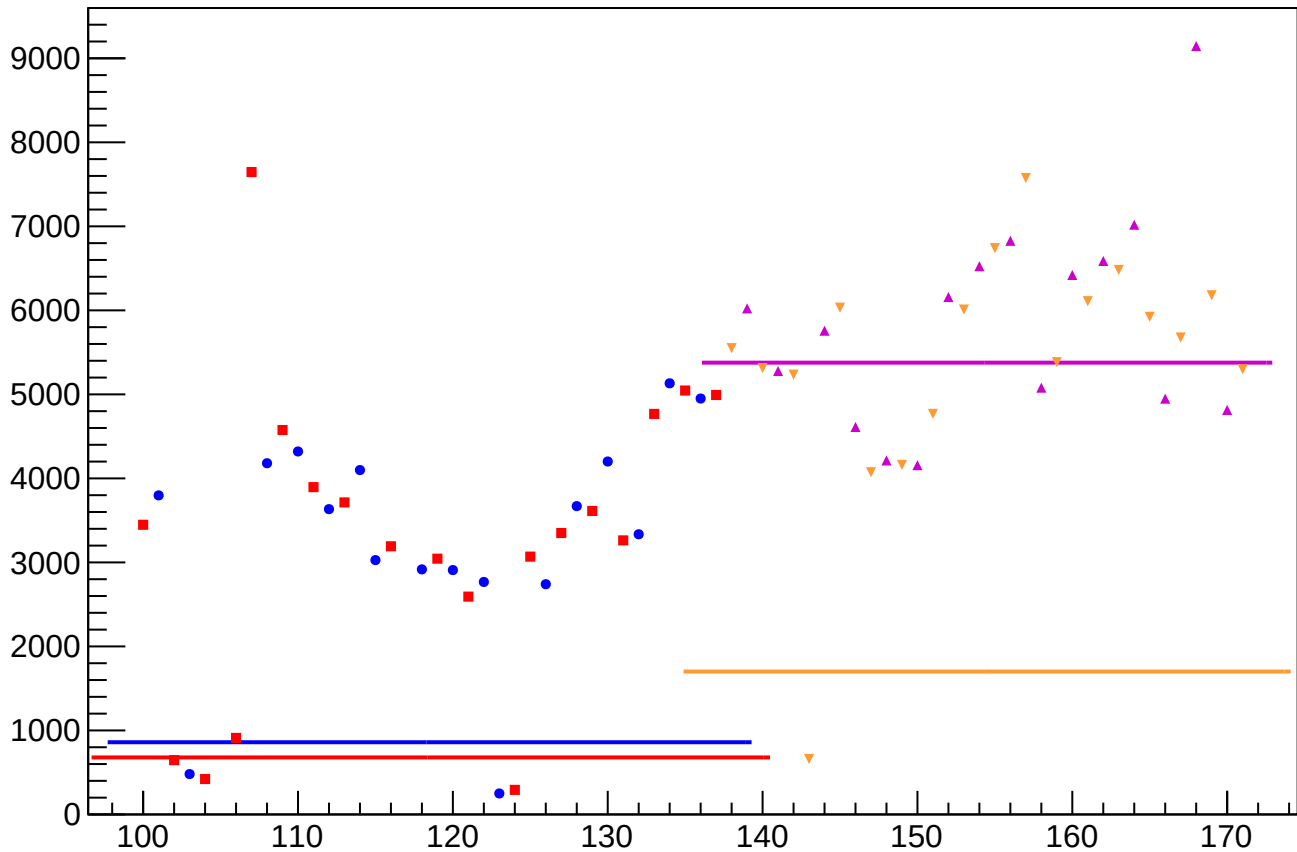
Left In: -1317.691 $\pm$ 1554.343 χ^2 /NDF:10.2/15

+ sign -251.452 $\pm$ 432.124 χ^2 /NDF: 47.3/34

All: -255.358 $\pm$ 300.295 χ^2 /NDF: 78.8/69

- sign -259.007 $\pm$ 417.611 χ^2 /NDF: 31.5/34

asym_atl_avg_correction_rms vs Slug



Right In: 859.557 $\pm$ 0.382 χ^2 /NDF: 8143264.5/16

Left Out: 1700.721 $\pm$ 0.509 χ^2 /NDF: 15505963.4/17

Right Out: 678.603 $\pm$ 0.307 χ^2 /NDF: 8384814.2/18

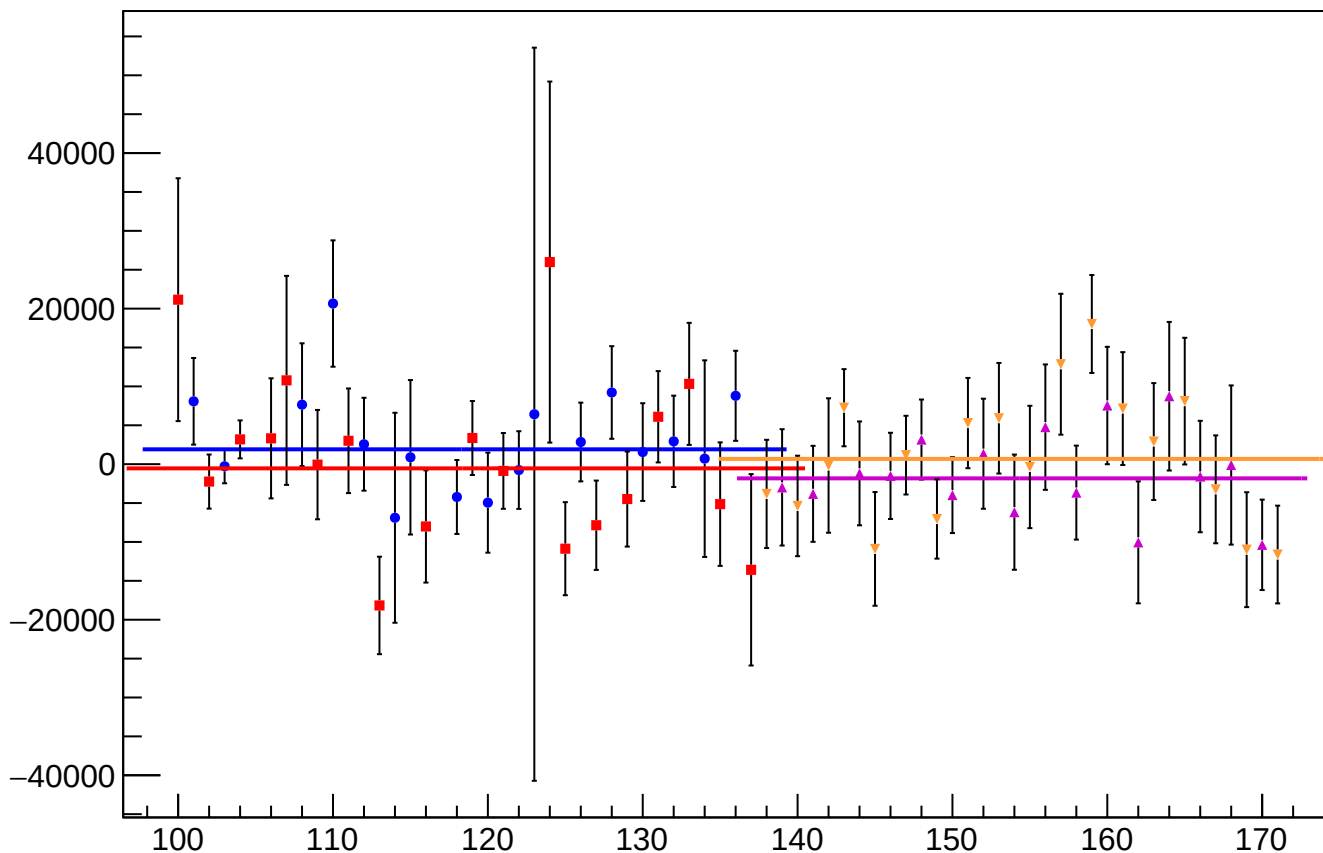
Left In: 5377.592 $\pm$ 1.099 χ^2 /NDF: 964088.4/15

+ sign 1162.833 $\pm$ 0.306 χ^2 /NDF: 25396431.5/34

All: 1087.840 $\pm$ 0.212 χ^2 /NDF: 51821052.9/6

- sign 1017.801 $\pm$ 0.295 χ^2 /NDF: 26308130.3/34

asym_atl_avg_mean vs Slug



Right In: 1909.348+/-1310.219 χ^2/NDF : 14.6/16

Left Out: 678.895+/-1553.924 χ^2/NDF : 26.8/17

Right Out: -539.549+/-1285.817 χ^2/NDF : 26.4/18

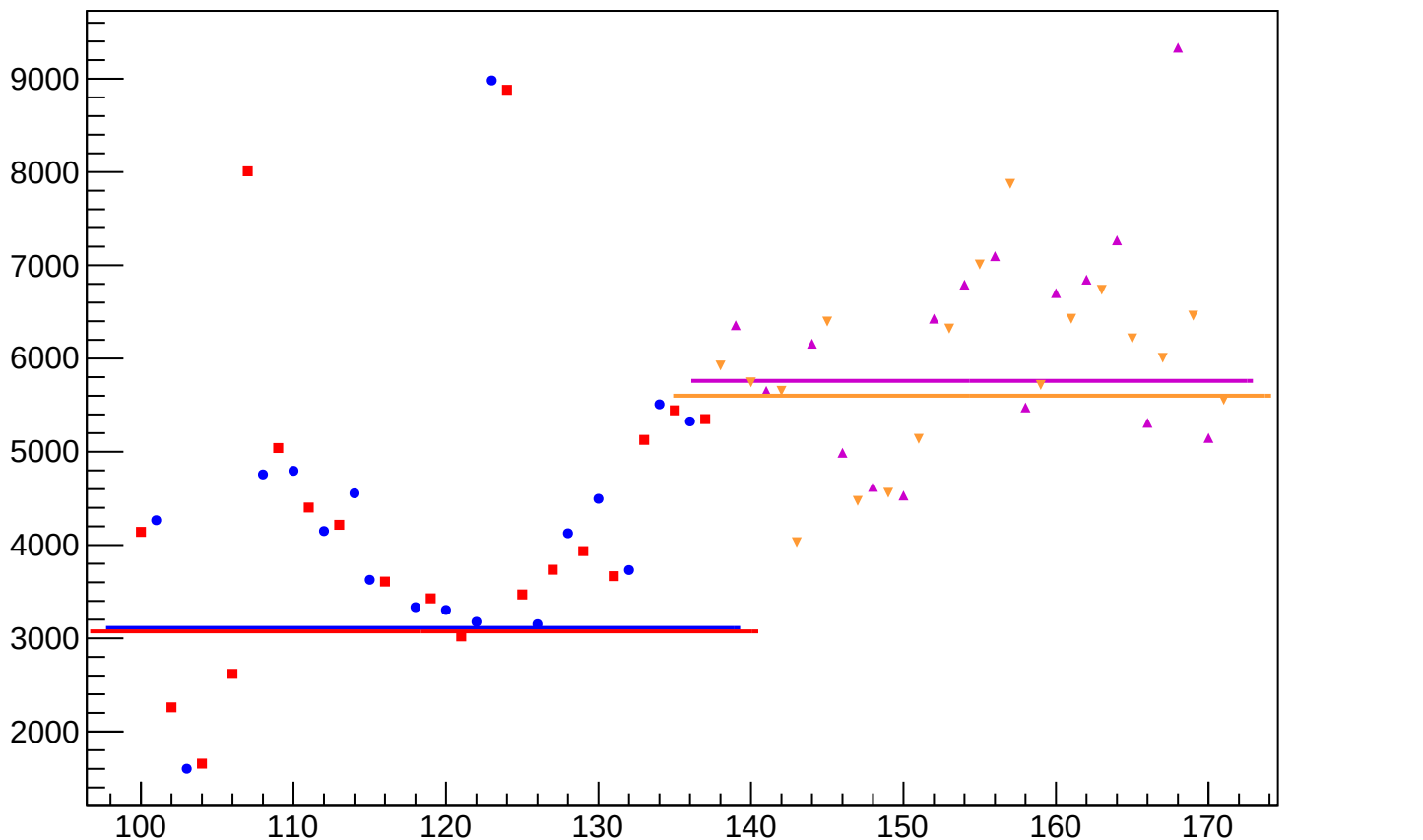
Left In: -1825.900+/-1659.108 χ^2/NDF : 8.6/15

+ sign 1398.066+/-1001.676 χ^2/NDF : 41.8/34

All: 205.479+/-713.415 χ^2/NDF : 80.1/69

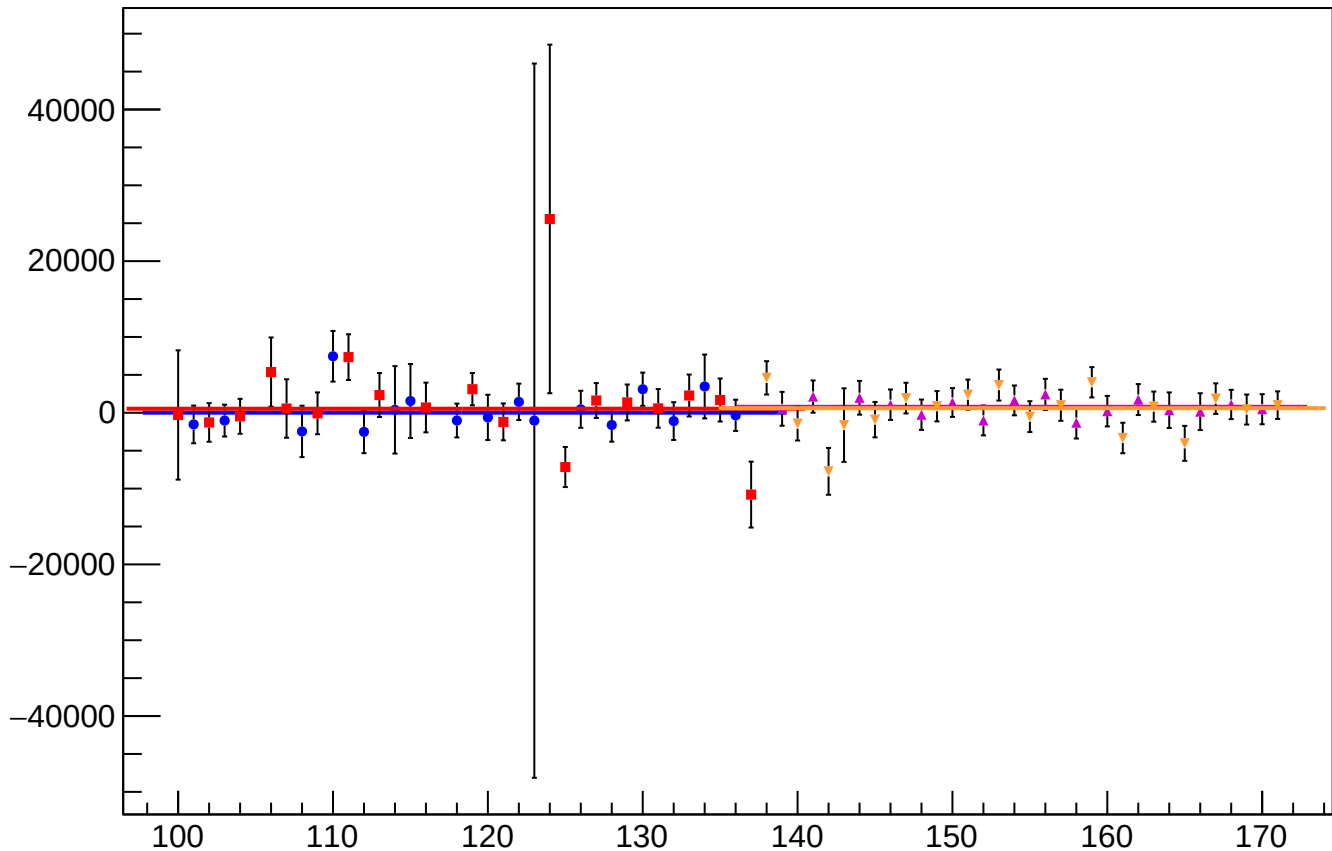
- sign -1022.248+/-1016.327 χ^2/NDF : 35.4/34

asym_atl_avg_rms vs Slug



Right In: 3111.825 ± 0.926 χ^2/NDF : 1879558.6/16
 Left Out: 5600.362 ± 1.099 χ^2/NDF : 752998.7/17
 Right Out: 3074.771 ± 0.896 χ^2/NDF : 2005627.6/18
 Left In: 5760.767 ± 1.173 χ^2/NDF : 792967.9/15
 + sign 4145.864 ± 0.708 χ^2/NDF : 5630529.9/34
 All: 4105.349 ± 0.502 χ^2/NDF : 11746306.1/6
 - sign 4064.397 ± 0.712 χ^2/NDF : 6109197.1/34

reg_asym_atl_dd_mean vs Slug



Right In: 14.118+/-661.101 χ^2/NDF : 11.1/16

Left Out: 610.086+/-503.238 χ^2/NDF : 27.1/17

Right Out: 537.476+/-661.143 χ^2/NDF : 26.7/18

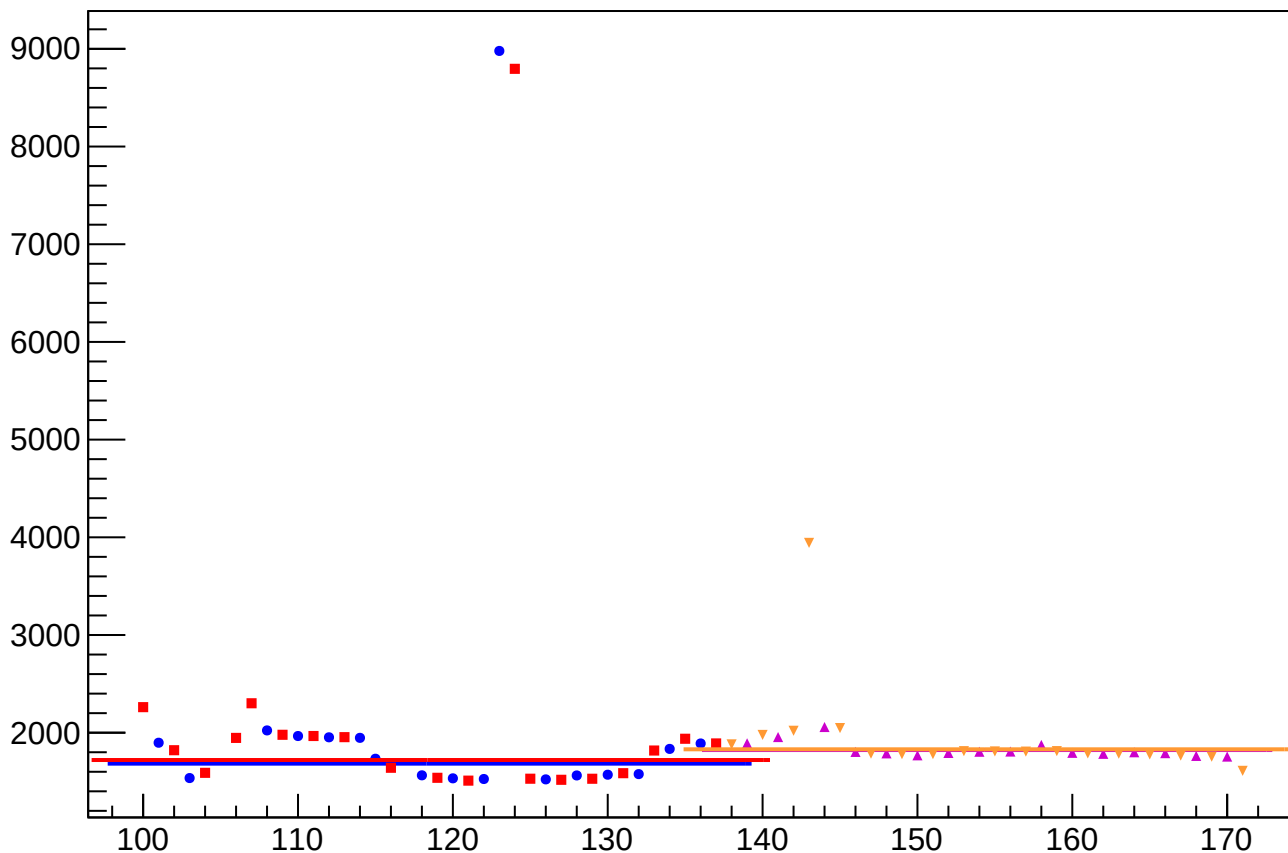
Left In: 790.148+/-517.115 χ^2/NDF : 4.2/15

+ sign 391.445+/-400.425 χ^2/NDF : 38.8/34

All: 540.260+/-285.550 χ^2/NDF : 70.0/69

- sign 694.243+/-407.321 χ^2/NDF : 31.0/34

reg_asym_atl_dd_rms vs Slug



Right In: 1683.259+/-0.467 χ^2/NDF : 195893.7/16

Left Out: 1829.954+/-0.356 χ^2/NDF : 455257.2/17

Right Out: 1720.379+/-0.465 χ^2/NDF : 396099.9/18

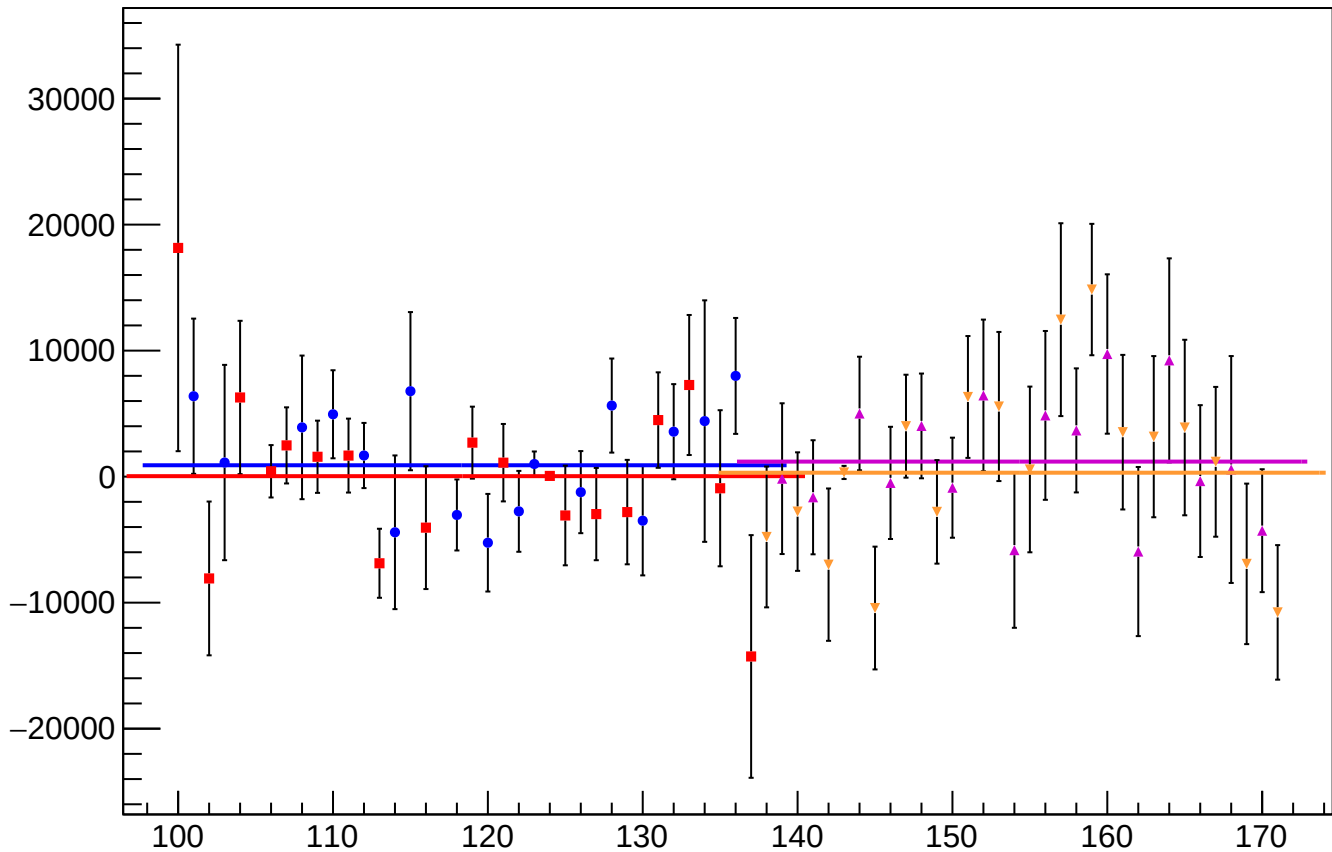
Left In: 1822.496+/-0.366 χ^2/NDF : 42368.0/15

+ sign 1776.136+/-0.283 χ^2/NDF : 713498.7/34

All: 1779.775+/-0.202 χ^2/NDF : 1182064.3/69

- sign 1783.528+/-0.288 χ^2/NDF : 468230.1/34

asym_atl_dd_correction_mean vs Slug



Right In: 903.344 ± 705.564 $\chi^2/\text{NDF}: 16.0/16$

Left Out: 312.096 ± 485.802 $\chi^2/\text{NDF}: 28.0/17$

Right Out: 38.143 ± 357.176 $\chi^2/\text{NDF}: 20.5/18$

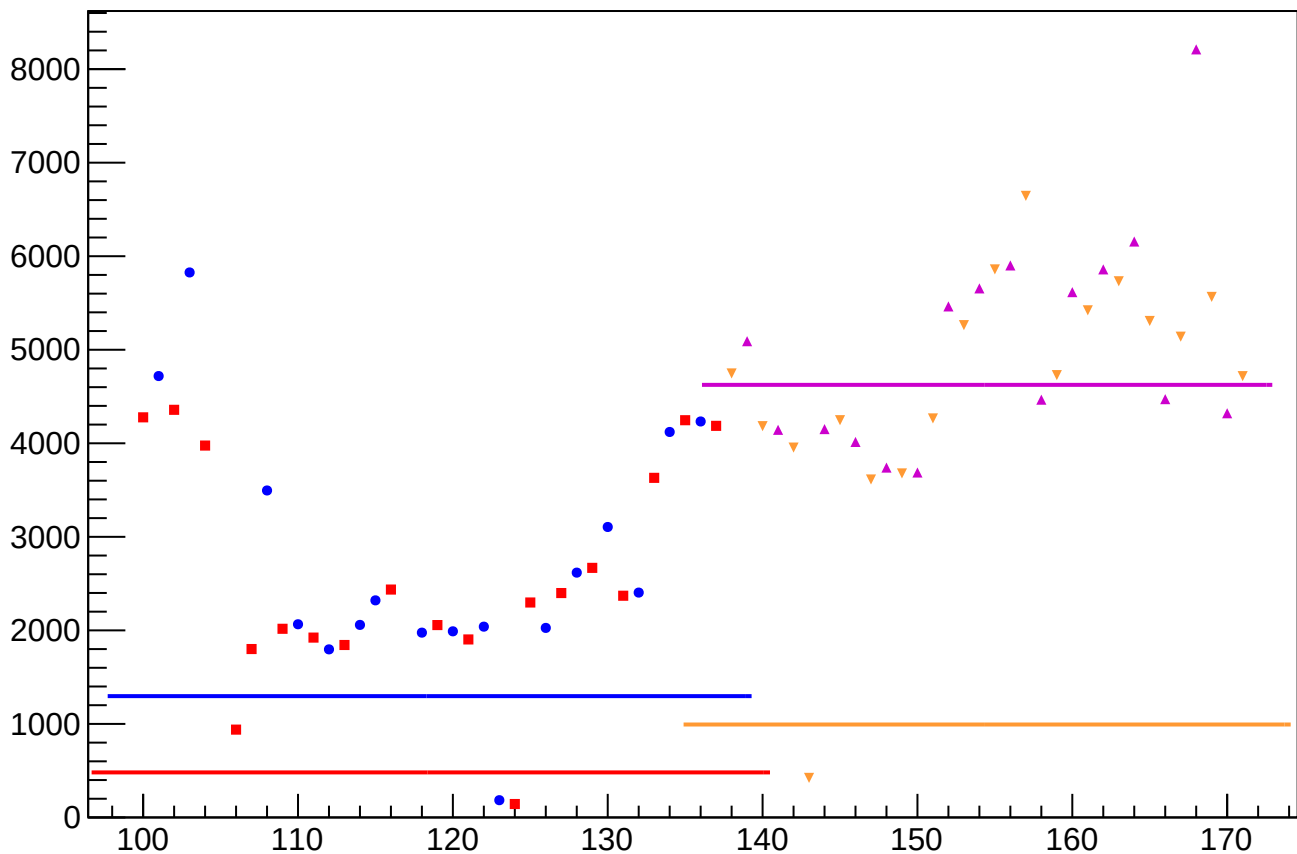
Left In: 1193.684 ± 1336.735 $\chi^2/\text{NDF}: 9.9/15$

+ sign 502.246 ± 400.129 $\chi^2/\text{NDF}: 44.4/34$

All: 280.251 ± 261.317 $\chi^2/\text{NDF}: 76.1/69$

- sign 115.146 ± 345.070 $\chi^2/\text{NDF}: 31.1/34$

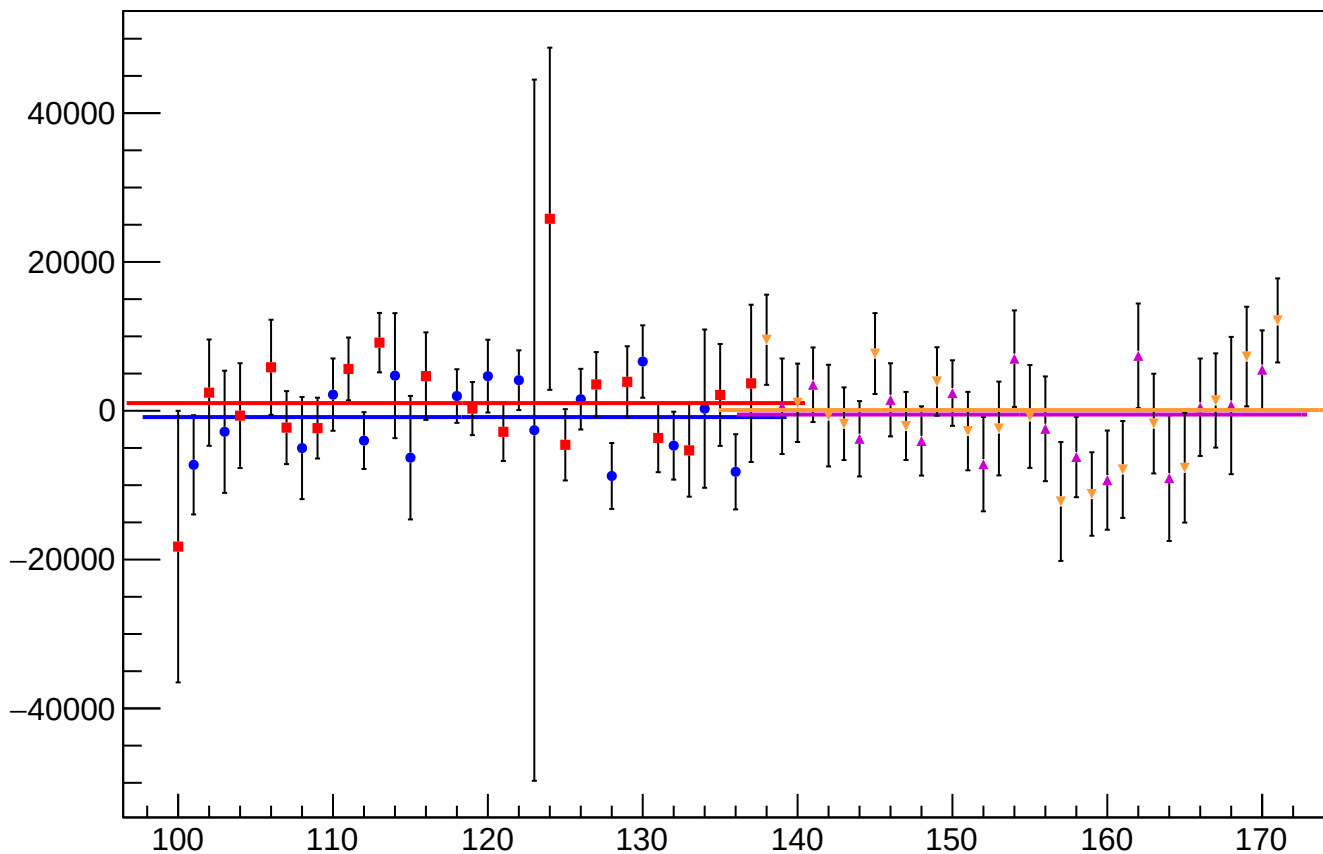
asym_atl_dd_correction_rms vs Slug



Right In: 1297.005+/-0.499 χ^2/NDF : 6509608.5/16
 Left Out: 993.637+/-0.344 χ^2/NDF : 18309747.5/17
 Right Out: 481.577+/-0.253 χ^2/NDF : 10144170.1/18
 Left In: 4624.685+/-0.945 χ^2/NDF : 980650.8/15

+ sign 1091.202+/-0.283 χ^2/NDF : 25070184.0/34
 All: 899.926+/-0.185 χ^2/NDF : 54924489.2/69
 - sign 757.667+/-0.244 χ^2/NDF : 29057350.4/34

asym_atl_dd_mean vs Slug



Right In: -849.372 ± 1261.026 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 96.515 ± 1376.276 $\chi^2/\text{NDF}: 20.8/17$

Right Out: 1033.205 ± 1190.714 $\chi^2/\text{NDF}: 15.0/18$

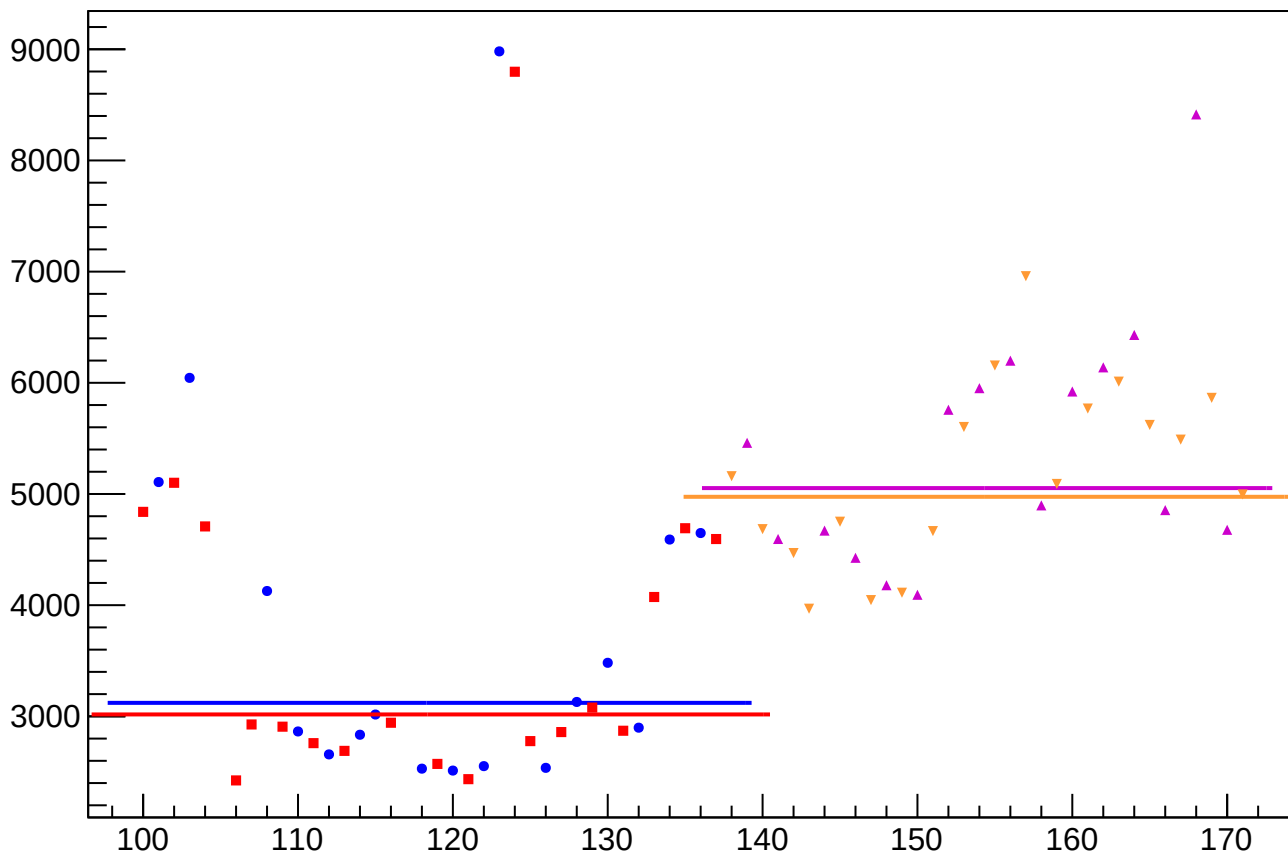
Left In: -508.690 ± 1454.042 $\chi^2/\text{NDF}: 11.3/15$

+ sign -417.685 ± 929.759 $\chi^2/\text{NDF}: 36.5/34$

All: 2.123 ± 654.405 $\chi^2/\text{NDF}: 63.8/69$

- sign 414.271 ± 921.238 $\chi^2/\text{NDF}: 26.9/34$

asym_atl_dd_rms vs Slug



Right In: 3121.417+/-0.892 χ^2/NDF : 945708.1/16

Left Out: 4974.722+/-0.973 χ^2/NDF : 610952.1/17

Right Out: 3017.215+/-0.831 χ^2/NDF : 791997.9/18

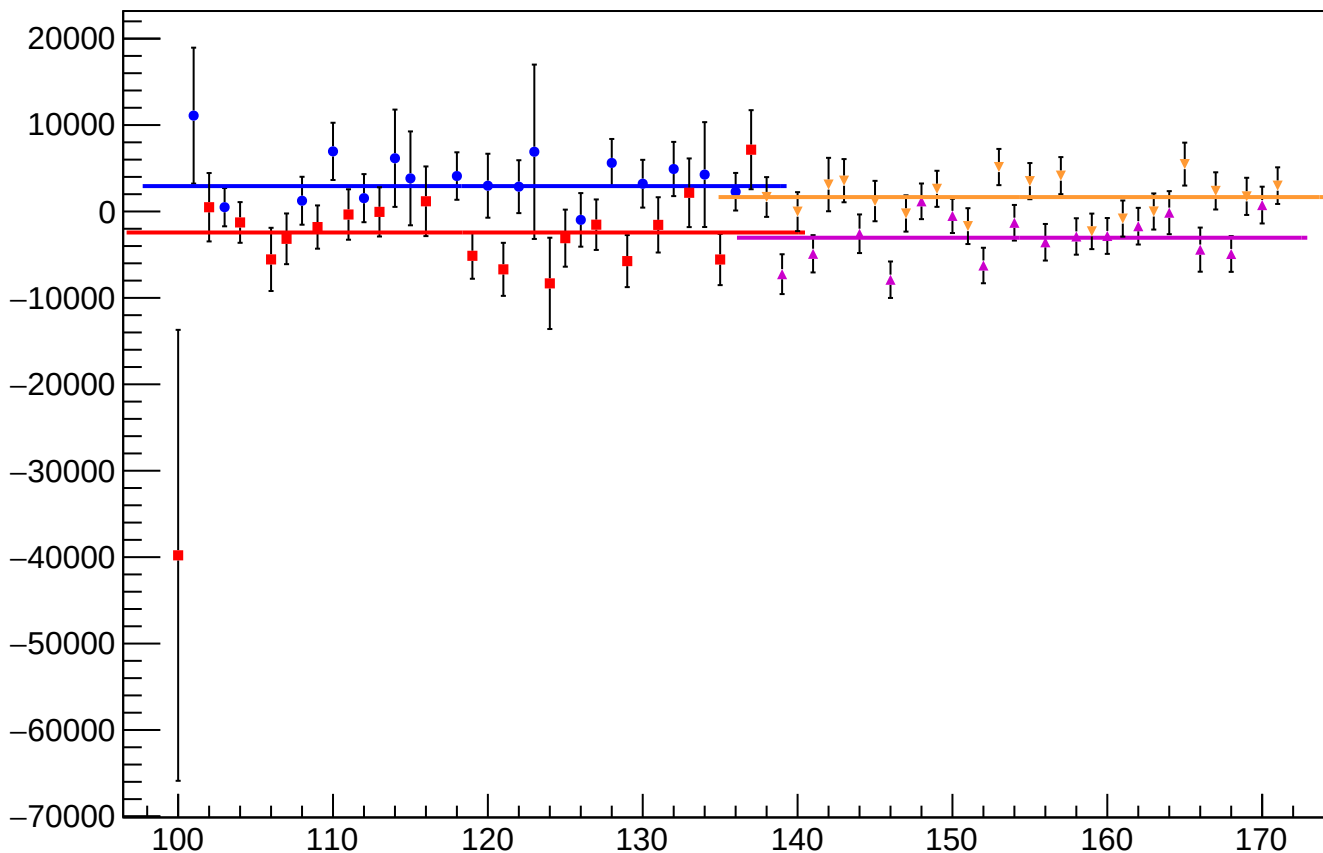
Left In: 5053.077+/-1.028 χ^2/NDF : 764212.5/15

+ sign 3967.230+/-0.657 χ^2/NDF : 3528209.1/34

All: 3893.507+/-0.461 χ^2/NDF : 7479630.3/69

- sign 3822.211+/-0.647 χ^2/NDF : 3926685.8/34

reg_asym_atr_avg_mean vs Slug



Right In: 2935.827 $\pm$ 775.365 χ^2 /NDF: 8.2/16

Left Out: 1665.190 $\pm$ 519.376 χ^2 /NDF: 18.6/17

Right Out: -2432.756 $\pm$ 740.416 χ^2 /NDF: 18.2/18

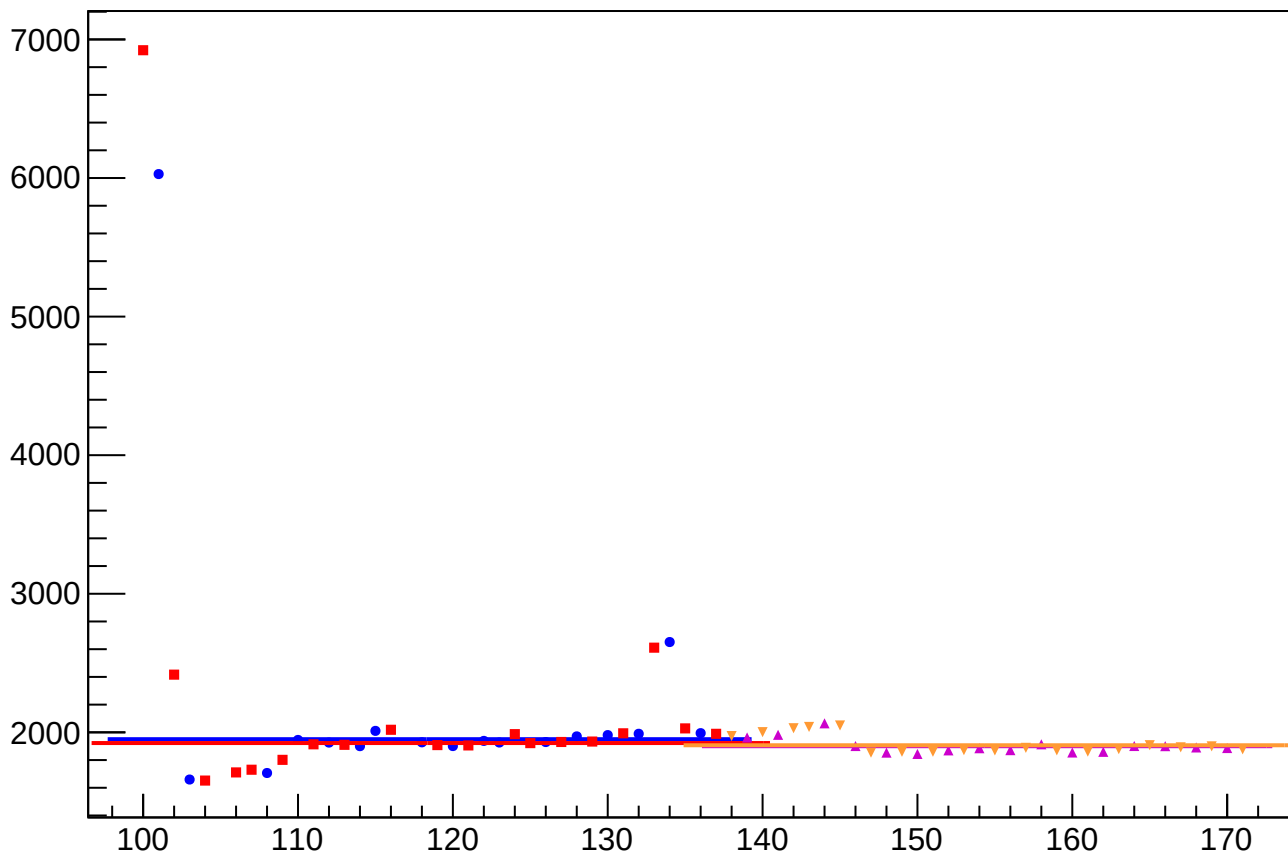
Left In: -3039.248 $\pm$ 537.456 χ^2 /NDF: 24.5/15

+ sign 2058.736 $\pm$ 431.512 χ^2 /NDF: 28.6/34

All: -366.230 $\pm$ 306.333 χ^2 /NDF: 135.3/69

- sign -2829.959 $\pm$ 434.947 χ^2 /NDF: 43.1/34

reg_asym_atr_avg_rms vs Slug



Right In: 1950.615+/-0.548 χ^2/NDF : 617332.2/16

Left Out: 1906.731+/-0.367 χ^2/NDF : 28566.7/17

Right Out: 1922.752+/-0.522 χ^2/NDF : 217400.0/18

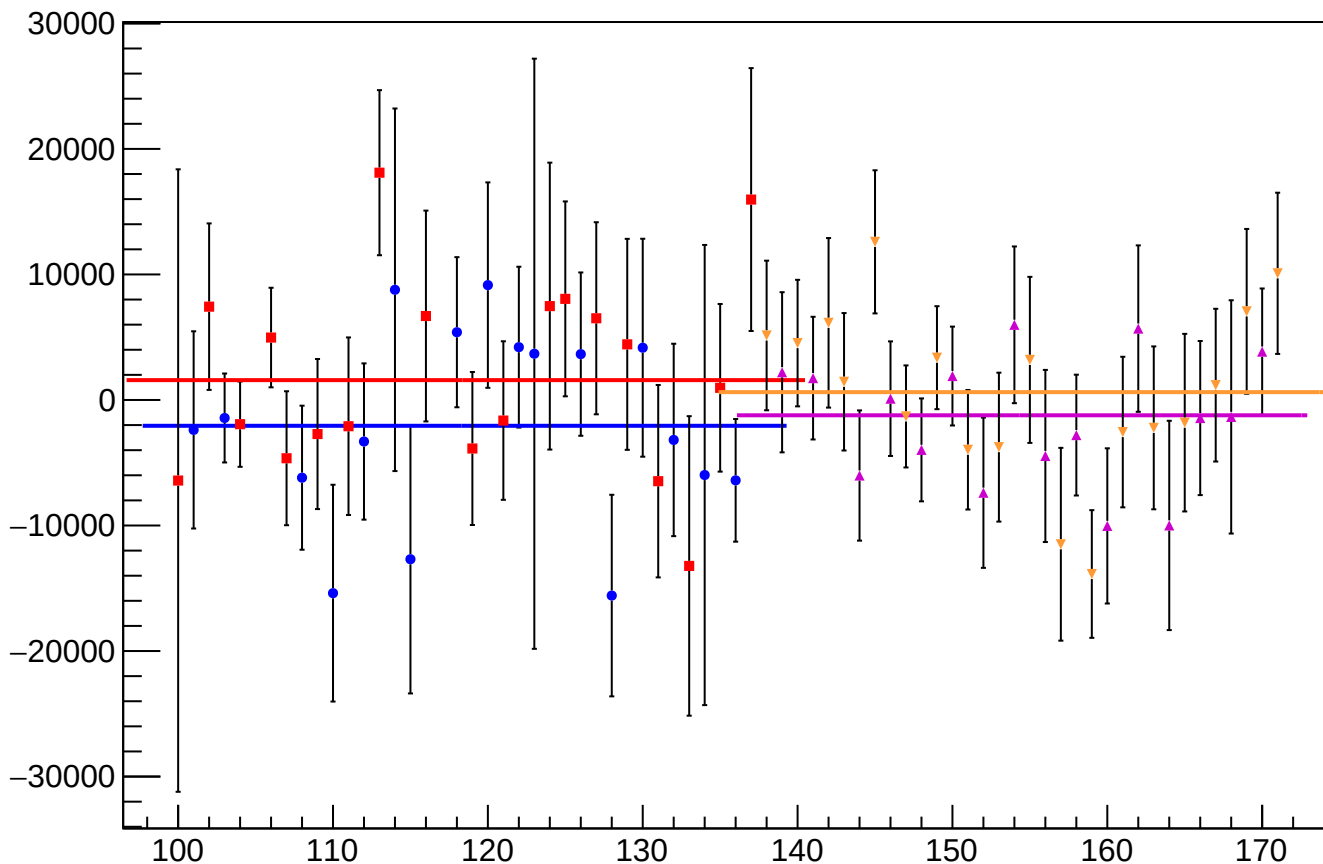
Left In: 1899.939+/-0.380 χ^2/NDF : 20670.6/15

+ sign 1920.323+/-0.305 χ^2/NDF : 650321.2/34

All: 1914.123+/-0.217 χ^2/NDF : 890470.5/69

- sign 1907.835+/-0.307 χ^2/NDF : 239317.8/34

asym_atr_avg_correction_mean vs Slug



Right In: -2056.876 ± 1661.079 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 623.197 ± 1323.816 $\chi^2/\text{NDF}: 22.9/17$

Right Out: 1580.717 ± 1477.405 $\chi^2/\text{NDF}: 18.6/18$

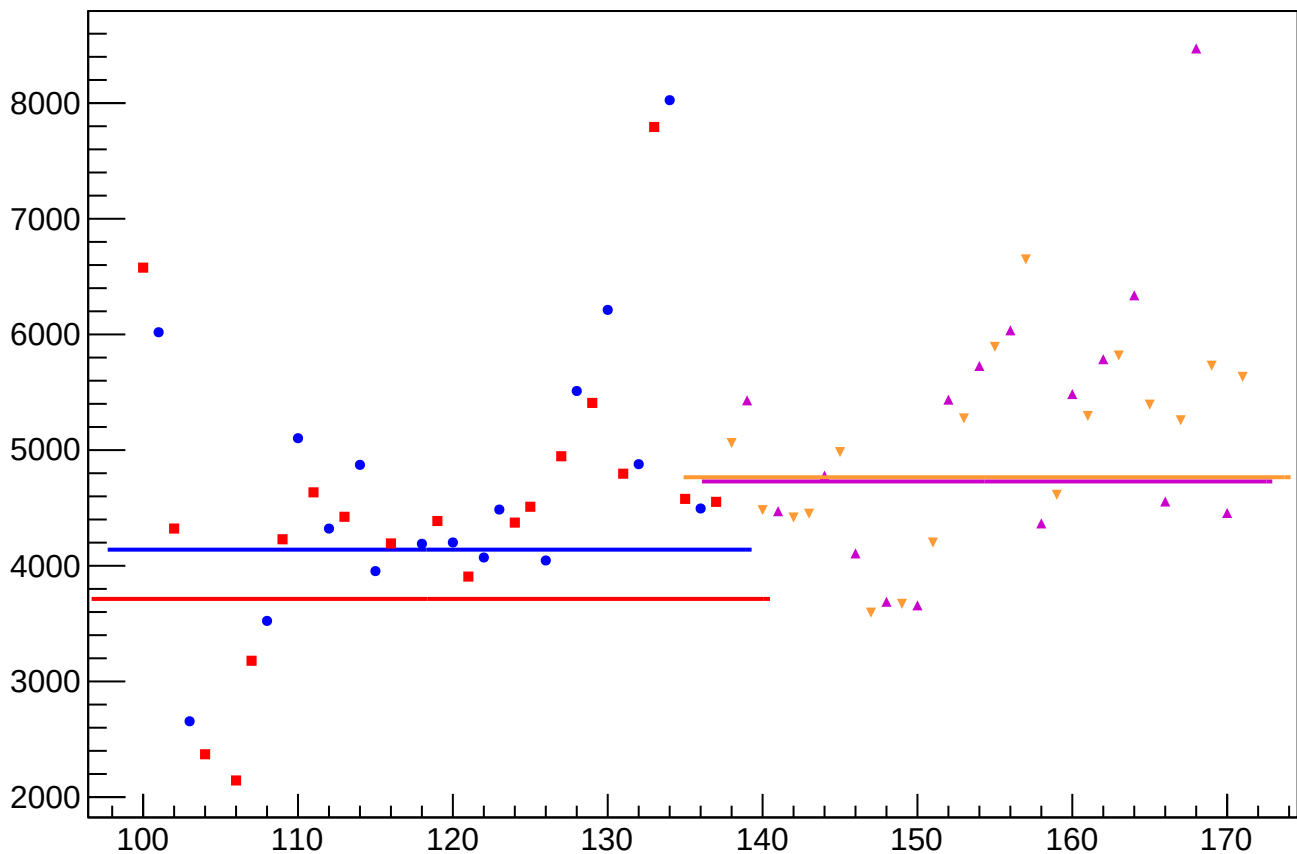
Left In: -1220.230 ± 1367.729 $\chi^2/\text{NDF}: 10.6/15$

+ sign -417.836 ± 1035.259 $\chi^2/\text{NDF}: 38.5/34$

All: -165.108 ± 720.610 $\chi^2/\text{NDF}: 69.8/69$

- sign 72.431 ± 1003.667 $\chi^2/\text{NDF}: 31.2/34$

asym_atr_avg_correction_rms vs Slug



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4765.514+/-0.936 χ^2/NDF : 734264.0/17

+ sign 4522.307+/-0.732 χ^2/NDF : 1721597.9/34

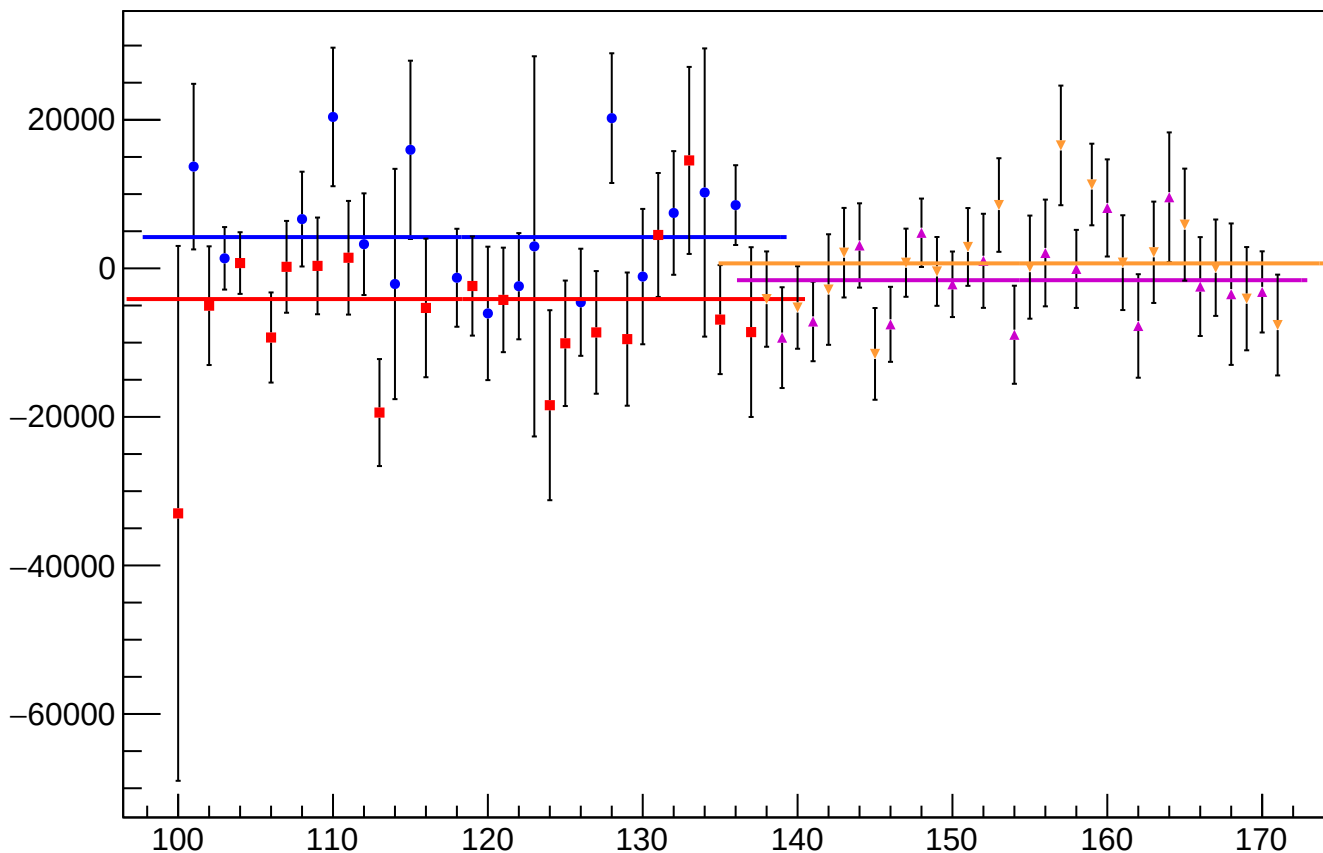
Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

All: 4387.296+/-0.510 χ^2/NDF : 4566457.9/69

Left In: 4729.091+/-0.967 χ^2/NDF : 994154.1/15

- sign 4260.399+/-0.710 χ^2/NDF : 2778874.0/34

asym_atr_avg_mean vs Slug



Right In: 4211.844+/-1871.304 χ^2/NDF : 14.4/16

Left Out: 671.460+/-1438.594 χ^2/NDF : 17.8/17

Right Out: -4133.660+/-1725.341 χ^2/NDF : 14.8/18

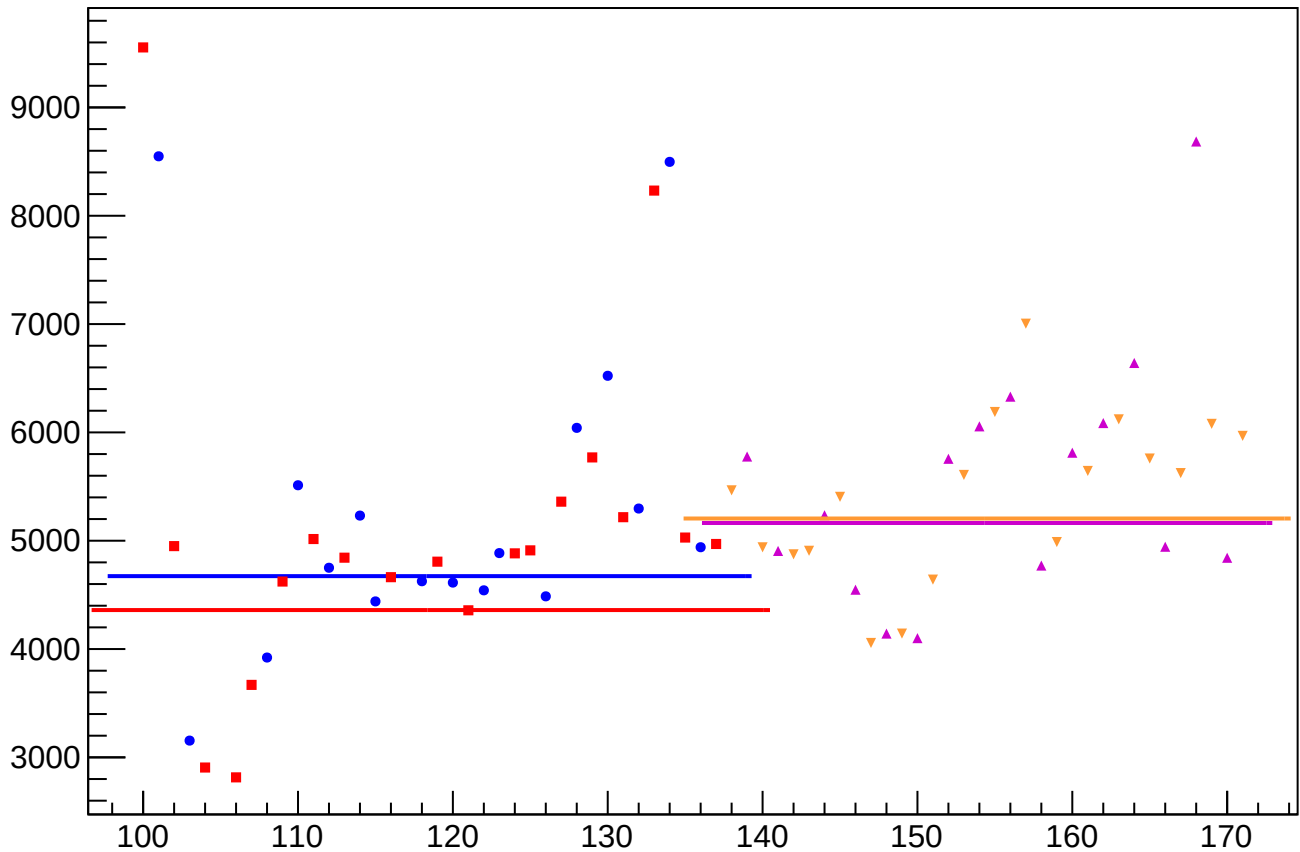
Left In: -1592.694+/-1485.873 χ^2/NDF : 12.9/15

+ sign 1986.588+/-1140.520 χ^2/NDF : 34.5/34

All: -374.153+/-801.249 χ^2/NDF : 71.9/69

- sign -2674.739+/-1125.896 χ^2/NDF : 28.9/34

asym_atr_avg_rms vs Slug



Right In: 4673.046 $\pm$ 1.323 χ^2 /NDF: 777321.1/16

Left Out: 5205.081 $\pm$ 1.017 χ^2 /NDF: 545181.3/17

Right Out: 4359.833 $\pm$ 1.213 χ^2 /NDF: 832191.0/18

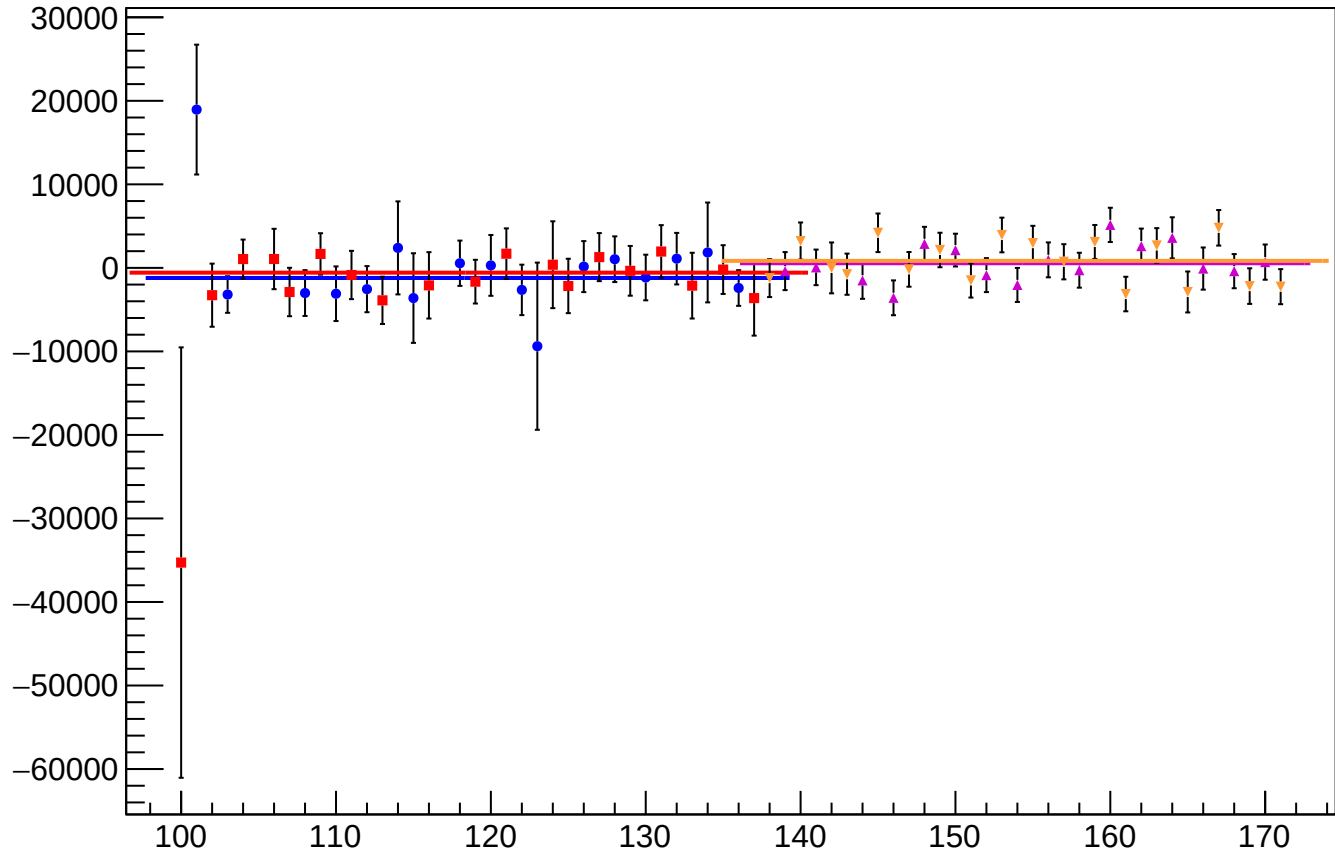
Left In: 5163.651 $\pm$ 1.051 χ^2 /NDF: 777913.6/15

+ sign 5007.449 $\pm$ 0.806 χ^2 /NDF: 1424116.1/34

All: 4911.813 $\pm$ 0.566 χ^2 /NDF: 3312824.8/69

- sign 4819.075 $\pm$ 0.794 χ^2 /NDF: 1861009.8/34

reg_asym_atr_dd_mean vs Slug



Right In: -1211.176 ± 765.294 χ^2/NDF : 12.7/16

Left Out: 837.941 ± 513.429 χ^2/NDF : 25.5/17

Right Out: -573.457 ± 730.668 χ^2/NDF : 8.7/18

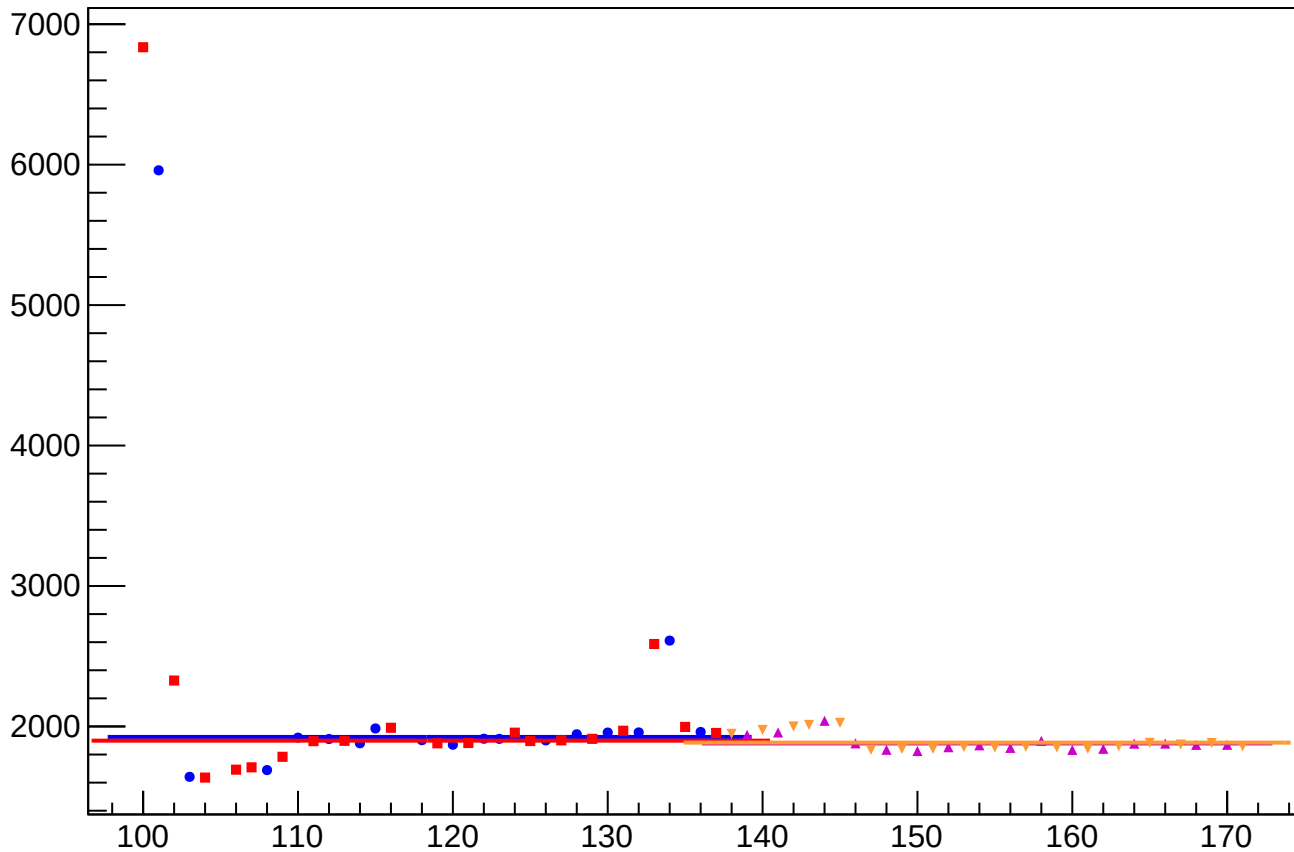
Left In: 554.088 ± 531.521 χ^2/NDF : 17.0/15

+ sign 201.915 ± 426.366 χ^2/NDF : 43.1/34

All: 183.059 ± 302.702 χ^2/NDF : 70.4/69

- sign 163.896 ± 429.825 χ^2/NDF : 27.3/34

reg_asym_atr_dd_rms vs Slug



Right In: 1925.320+/-0.541 χ^2 /NDF: 615863.6/16

Left Out: 1884.984+/-0.363 χ^2 /NDF: 26929.2/17

Right Out: 1898.854+/-0.515 χ^2 /NDF: 210875.1/18

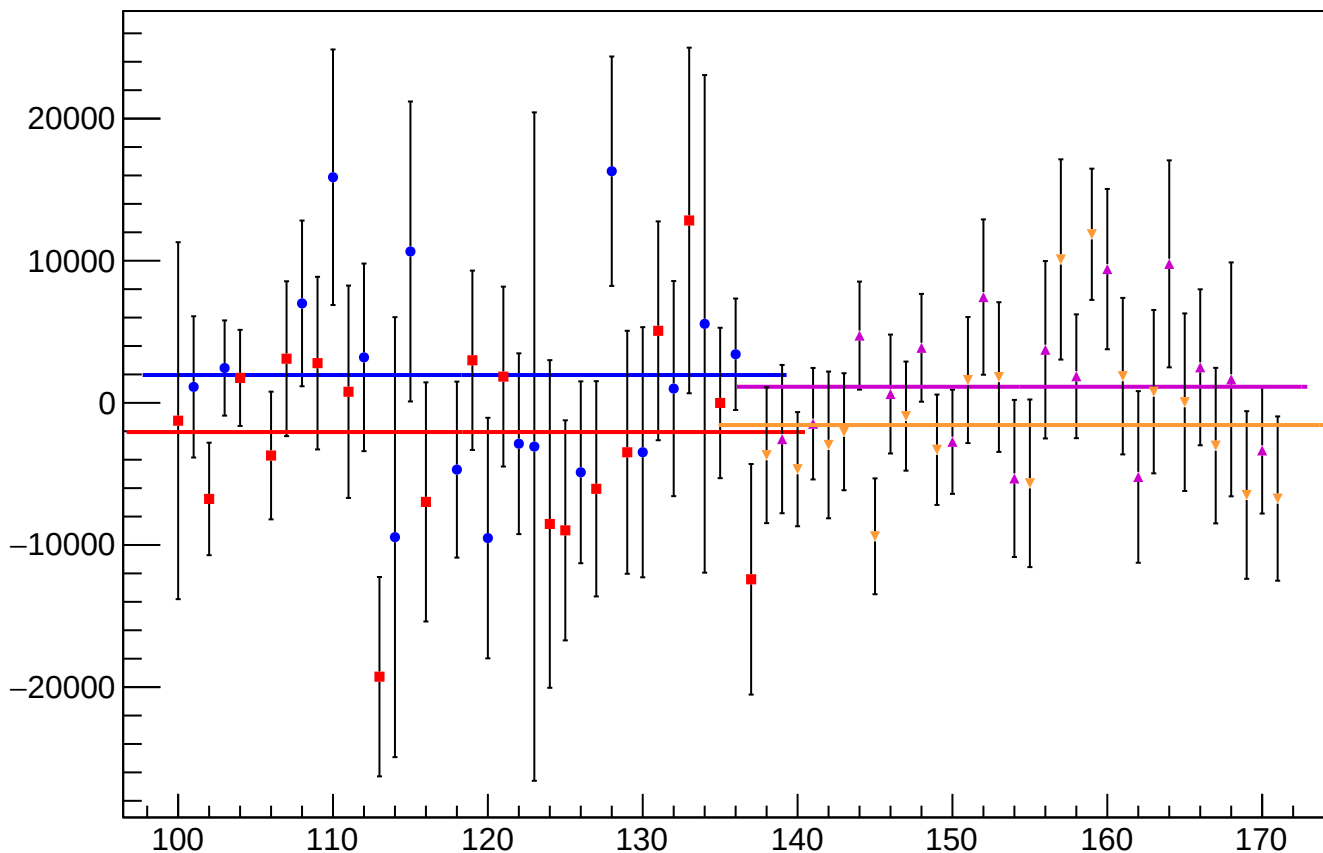
Left In: 1878.985+/-0.376 χ^2 /NDF: 20087.1/15

+ sign 1897.504+/-0.301 χ^2 /NDF: 646624.3/34

All: 1891.735+/-0.214 χ^2 /NDF: 879294.2/69

- sign 1885.881+/-0.304 χ^2 /NDF: 231932.2/34

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060+/-1556.840 χ^2/NDF : 12.9/16

Left Out: -1560.002+/-1146.737 χ^2/NDF : 19.6/17

Right Out: -2052.842+/-1413.641 χ^2/NDF : 17.4/18

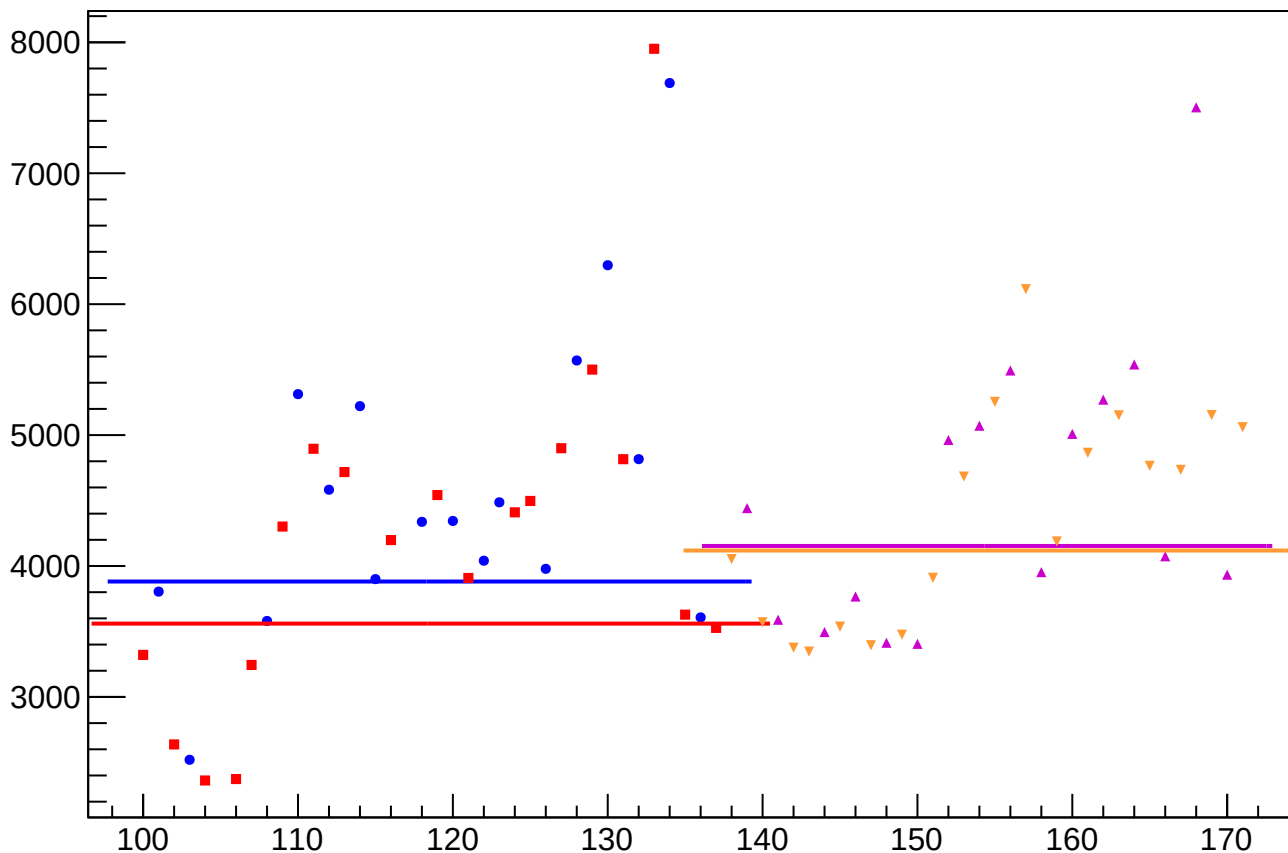
Left In: 1132.297+/-1201.220 χ^2/NDF : 12.1/15

+ sign -322.268+/-923.303 χ^2/NDF : 35.8/34

All: -262.232+/-650.053 χ^2/NDF : 68.4/69

- sign -203.221+/-915.377 χ^2/NDF : 32.5/34

asym_atr_dd_correction_rms vs Slug



Right In: 3881.577+/-1.101 χ^2 /NDF: 817466.6/16

Left Out: 4118.274+/-0.811 χ^2 /NDF:841268.2/17

Right Out: 3560.054+/-1.000 χ^2 /NDF: 1241523.0/18

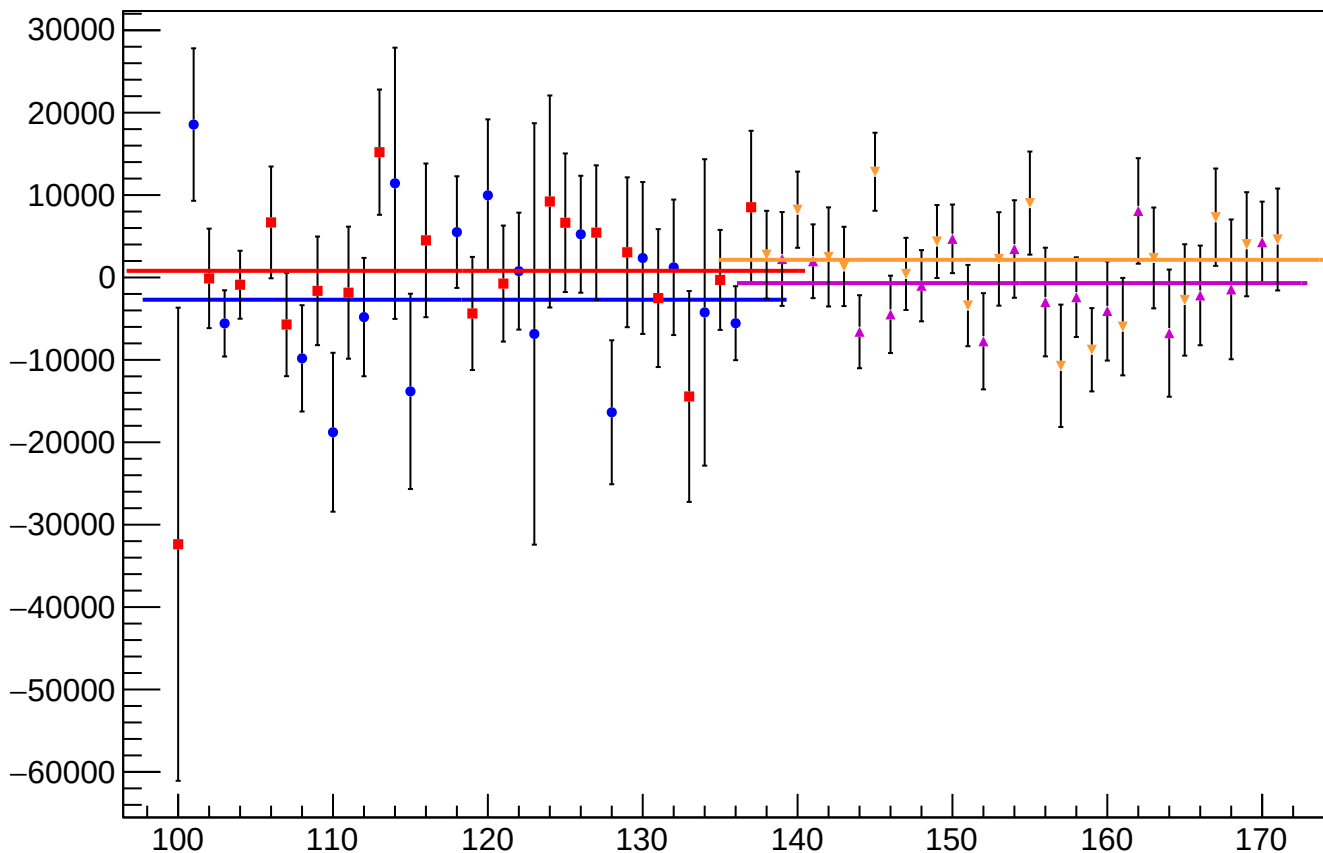
Left In: 4153.052+/-0.849 χ^2 /NDF:1002955.5/15

+ sign 4035.022+/-0.653 χ^2 /NDF: 1688704.8/34

All: 3969.153+/-0.460 χ^2 /NDF: 4157735.8/69

- sign 3904.410+/-0.647 χ^2 /NDF: 2448846.9/34

asym_atr_dd_mean vs Slug



Right In: -2700.702 ± 1809.055 χ^2/NDF : 19.8/16

Left Out: 2142.443 ± 1277.420 χ^2/NDF : 20.8/17

Right Out: 805.951 ± 1690.353 χ^2/NDF : 11.6/18

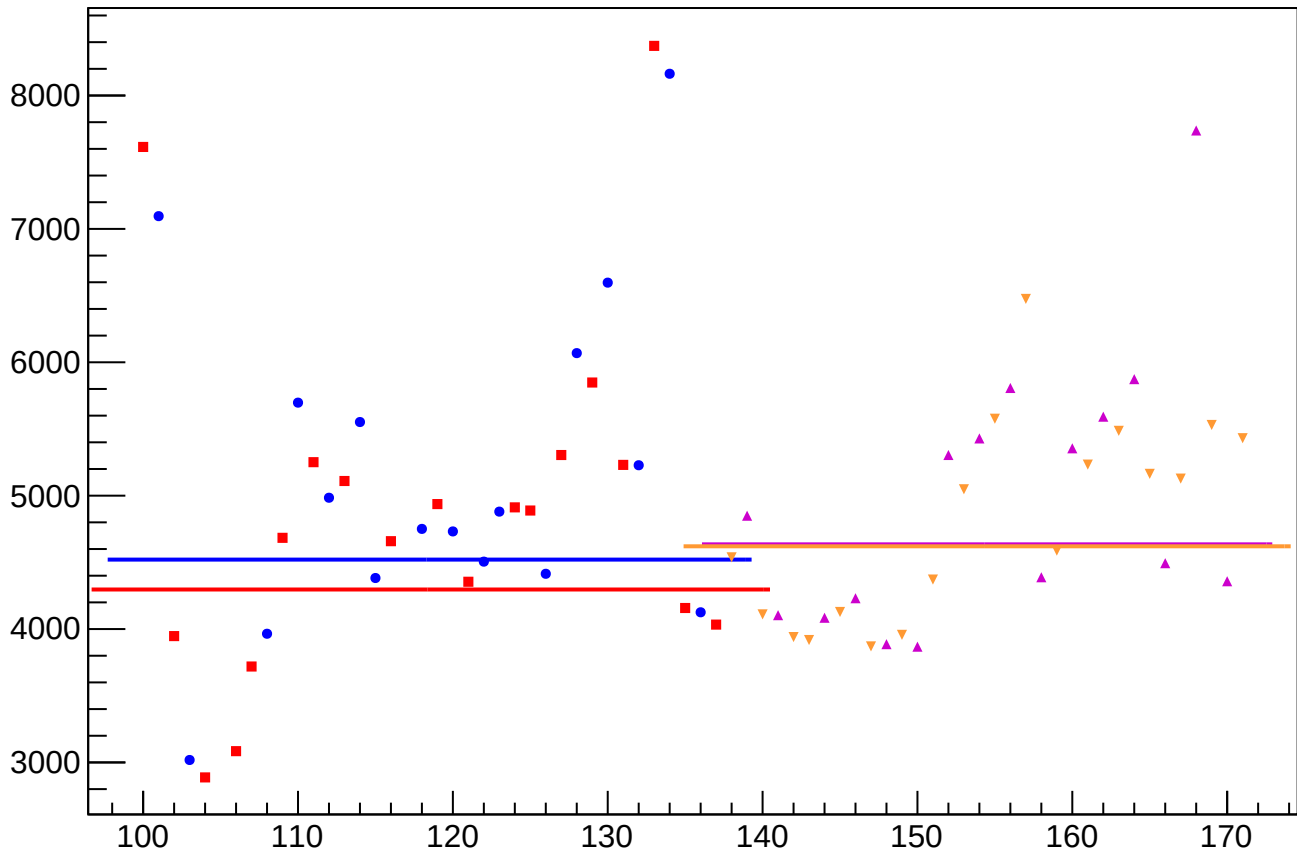
Left In: -682.957 ± 1332.284 χ^2/NDF : 10.8/15

+ sign 531.050 ± 1043.491 χ^2/NDF : 45.4/34

All: 210.185 ± 738.869 χ^2/NDF : 68.4/69

- sign -112.442 ± 1046.351 χ^2/NDF : 22.8/34

asym_atr_dd_rms vs Slug



Right In: 4520.685 ± 1.279 χ^2/NDF : 770887.4/16

Left Out: 4620.379 ± 0.903 χ^2/NDF : 571557.7/17

+ sign 4587.209 ± 0.738 χ^2/NDF : 1346498.2/34

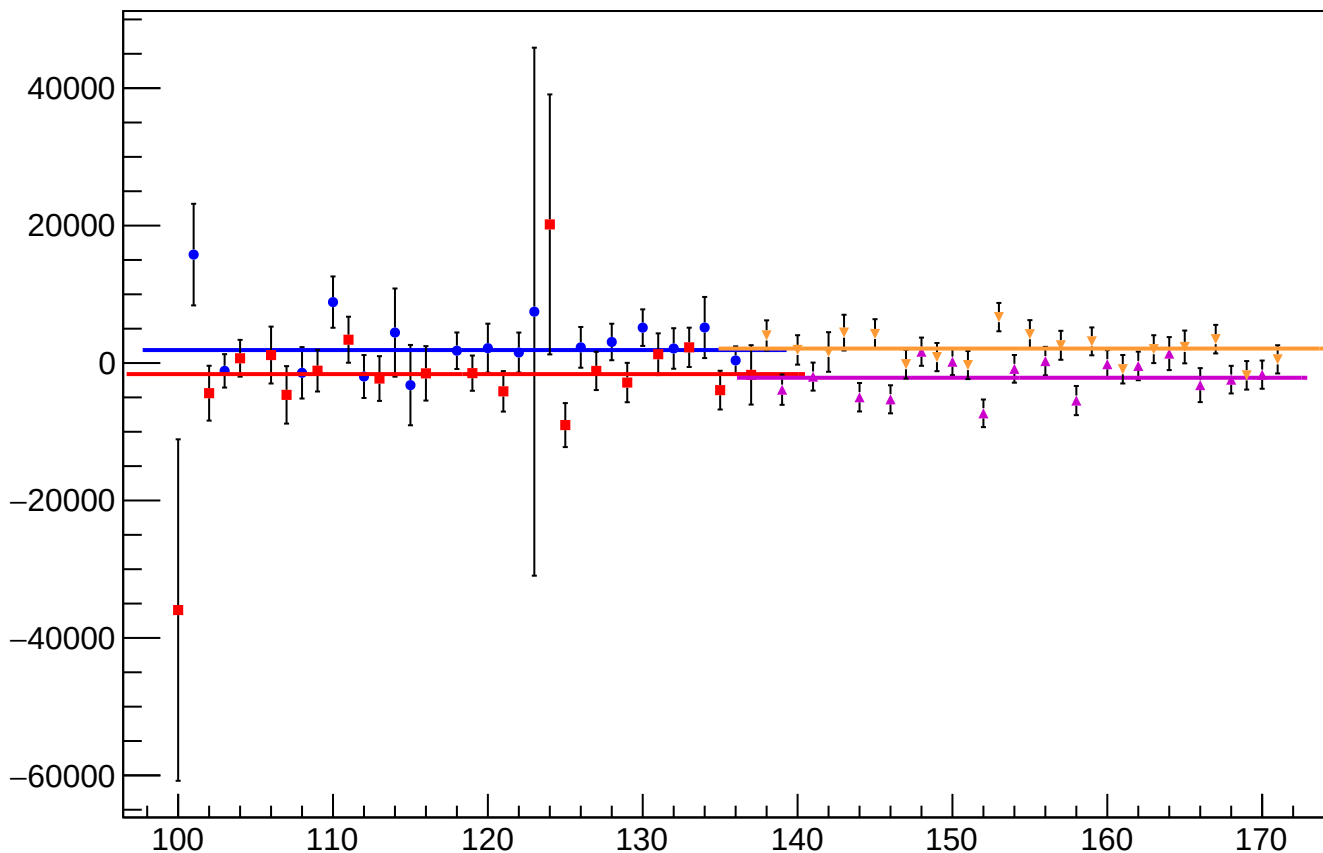
Right Out: 4296.527 ± 1.189 χ^2/NDF : 771785.2/18

All: 4545.851 ± 0.522 χ^2/NDF : 2909636.8/69

- sign 4504.442 ± 0.738 χ^2/NDF : 1556851.2/34

Left In: 4635.047 ± 0.942 χ^2/NDF : 735249.0/15

reg_asym_at1_avg_mean vs Slug



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 2106.969 $\pm$ 505.440 χ^2 /NDF:18.5/17

Right Out: -1610.310 $\pm$ 765.843 χ^2 /NDF: 17.5/18

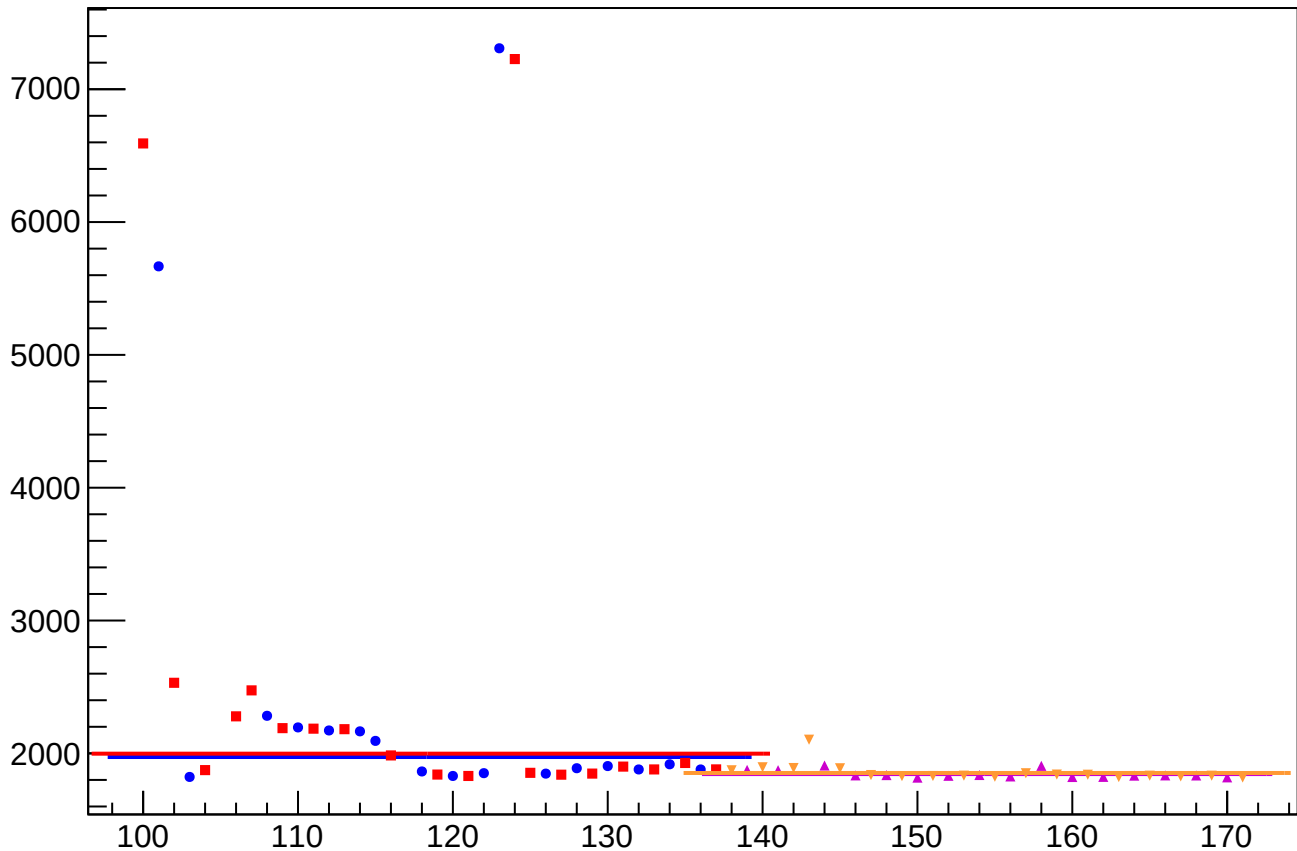
Left In: -2141.664 $\pm$ 522.671 χ^2 /NDF:24.6/15

+ sign 2042.634 $\pm$ 424.783 χ^2 /NDF: 33.2/34

All: 67.394 $\pm$ 302.787 χ^2 /NDF: 119.5/69

- sign -1972.817 $\pm$ 431.712 χ^2 /NDF: 42.4/34

reg_asym_at1_avg_rms vs Slug



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1852.299+/-0.357 χ^2/NDF : 23471.7/17

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

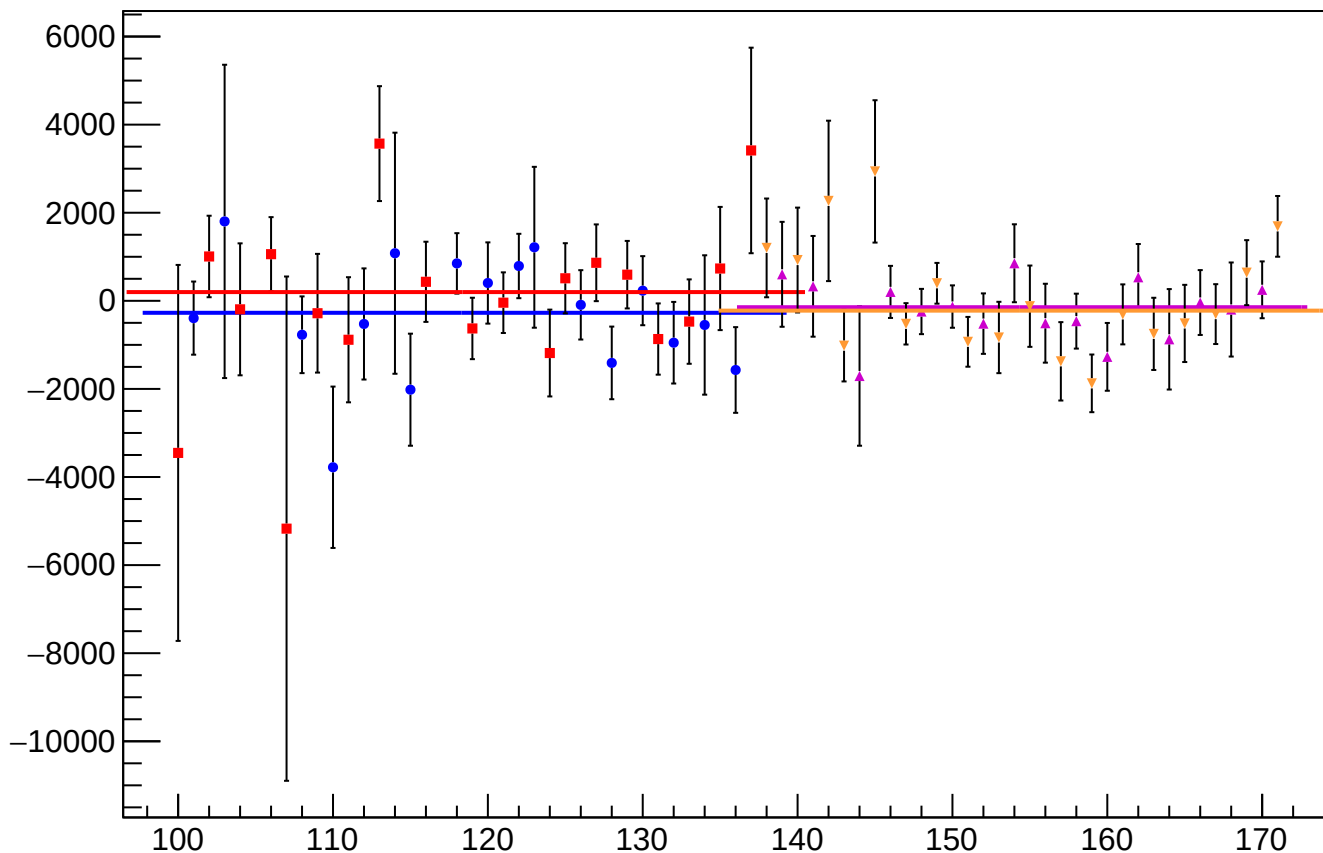
Left In: 1844.037+/-0.370 χ^2/NDF : 6016.8/15

+ sign 1887.596+/-0.300 χ^2/NDF : 657552.7/34

All: 1890.180+/-0.214 χ^2/NDF : 1074186.5/69

- sign 1892.850+/-0.305 χ^2/NDF : 416483.3/34

asym_at1_avg_correction_mean vs Slug



Right In: -271.773+/-240.214 χ^2 /NDF: 17.2/16

Left Out: -222.758+/-173.056 χ^2 /NDF:31.2/17

Right Out: 198.424+/-229.035 χ^2 /NDF: 19.7/18

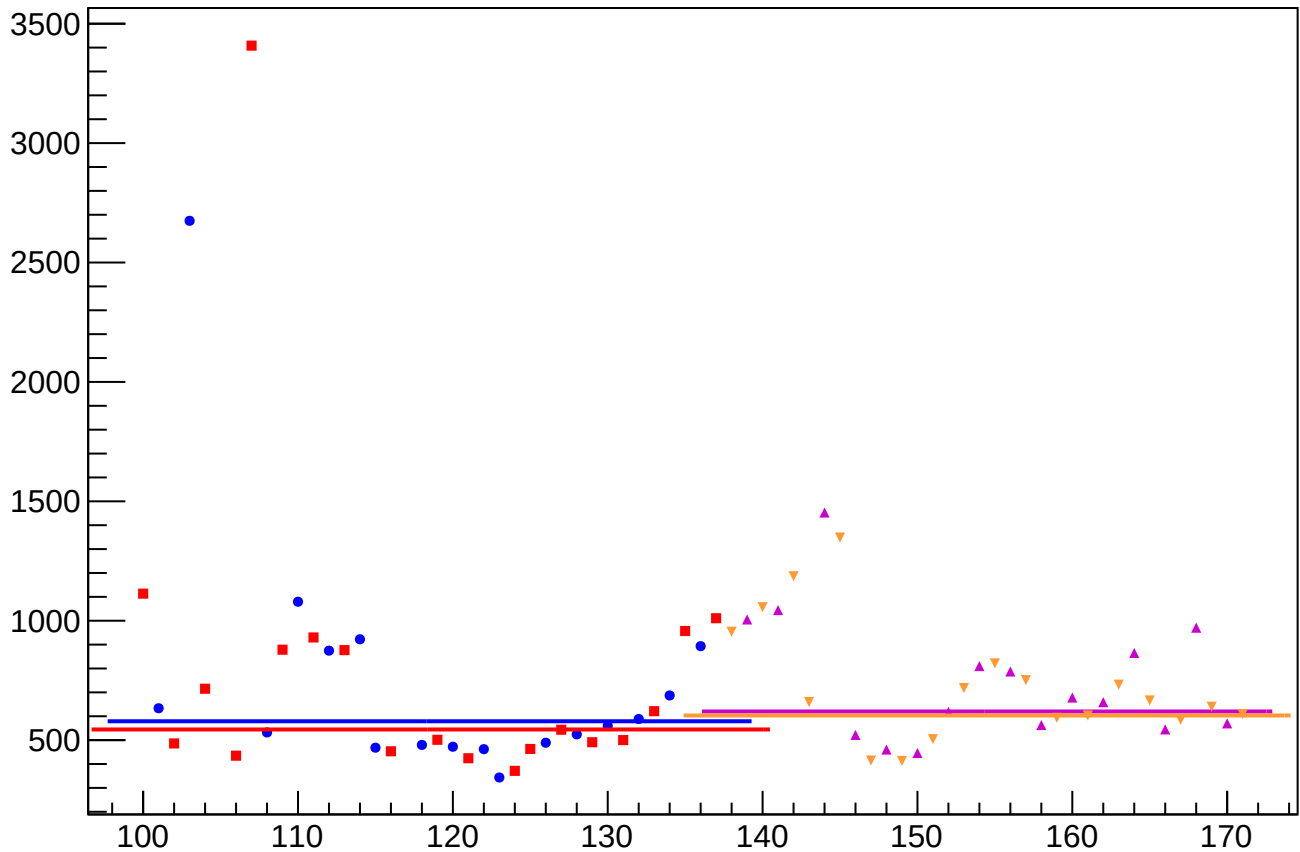
Left In: -145.088+/-184.467 χ^2 /NDF:7.7/15

+ sign -239.505+/-140.413 χ^2 /NDF: 48.5/34

All: -127.346+/-100.417 χ^2 /NDF: 78.5/69

- sign -9.932+/-143.665 χ^2 /NDF: 28.8/34

asym_at1_avg_correction_rms vs Slug



Right In: 579.010 $\pm$ 0.170 χ^2 /NDF: 1422148.6/16

Left Out: 603.235 $\pm$ 0.122 χ^2 /NDF: 2122959.4/17

Right Out: 544.674 $\pm$ 0.162 χ^2 /NDF: 1457799.9/18

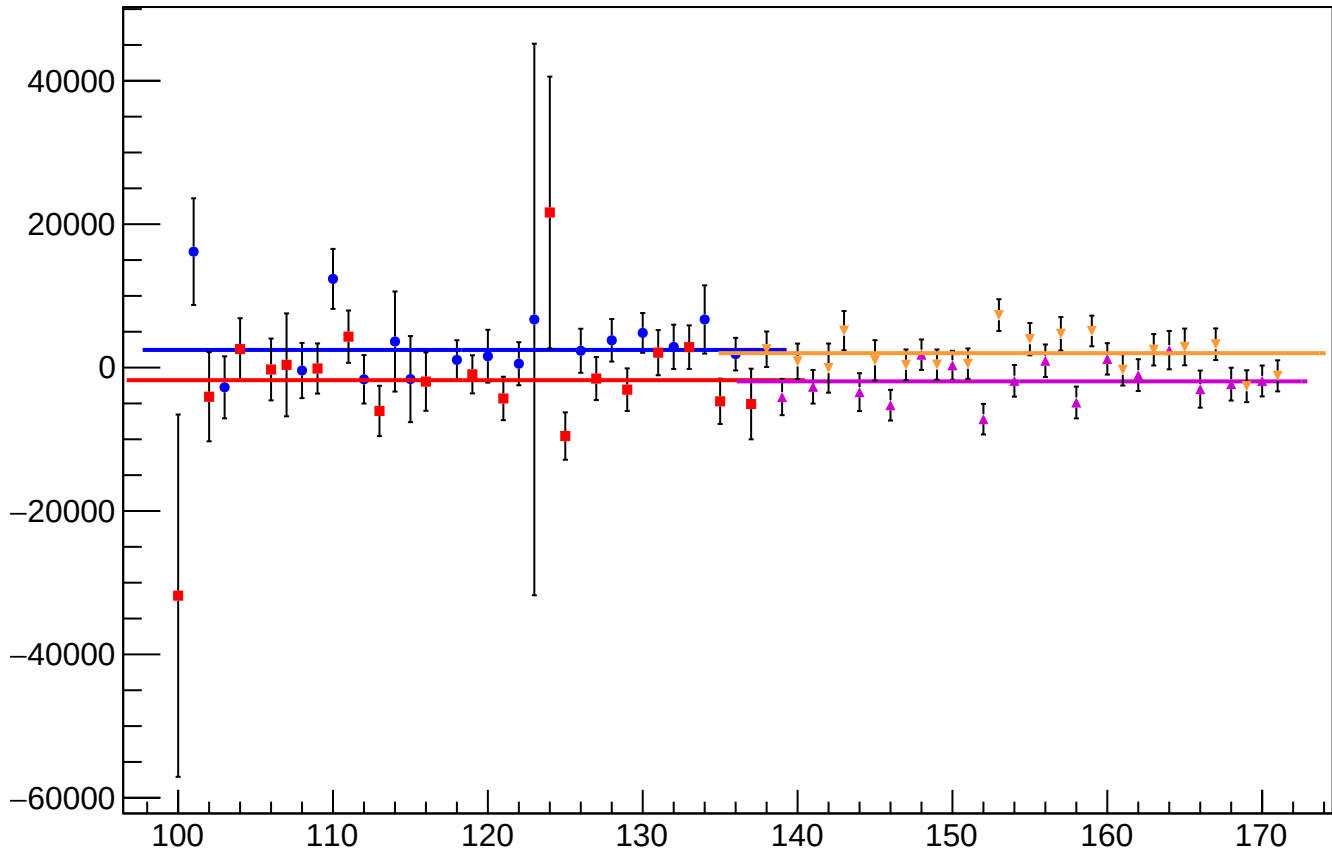
Left In: 619.998 $\pm$ 0.130 χ^2 /NDF: 2084715.2/15

+ sign 594.958 $\pm$ 0.099 χ^2 /NDF: 3558497.9/34

All: 592.712 $\pm$ 0.071 χ^2 /NDF: 7233266.4/69

- sign 590.361 $\pm$ 0.102 χ^2 /NDF: 3673721.4/34

asym_at1_avg_mean vs Slug



Right In: 2464.076 $\pm$ 863.197 χ^2 /NDF: 15.5/16

Left Out: 2015.203 $\pm$ 547.961 χ^2 /NDF:21.6/17

Right Out: -1756.788 $\pm$ 853.292 χ^2 /NDF: 20.5/18

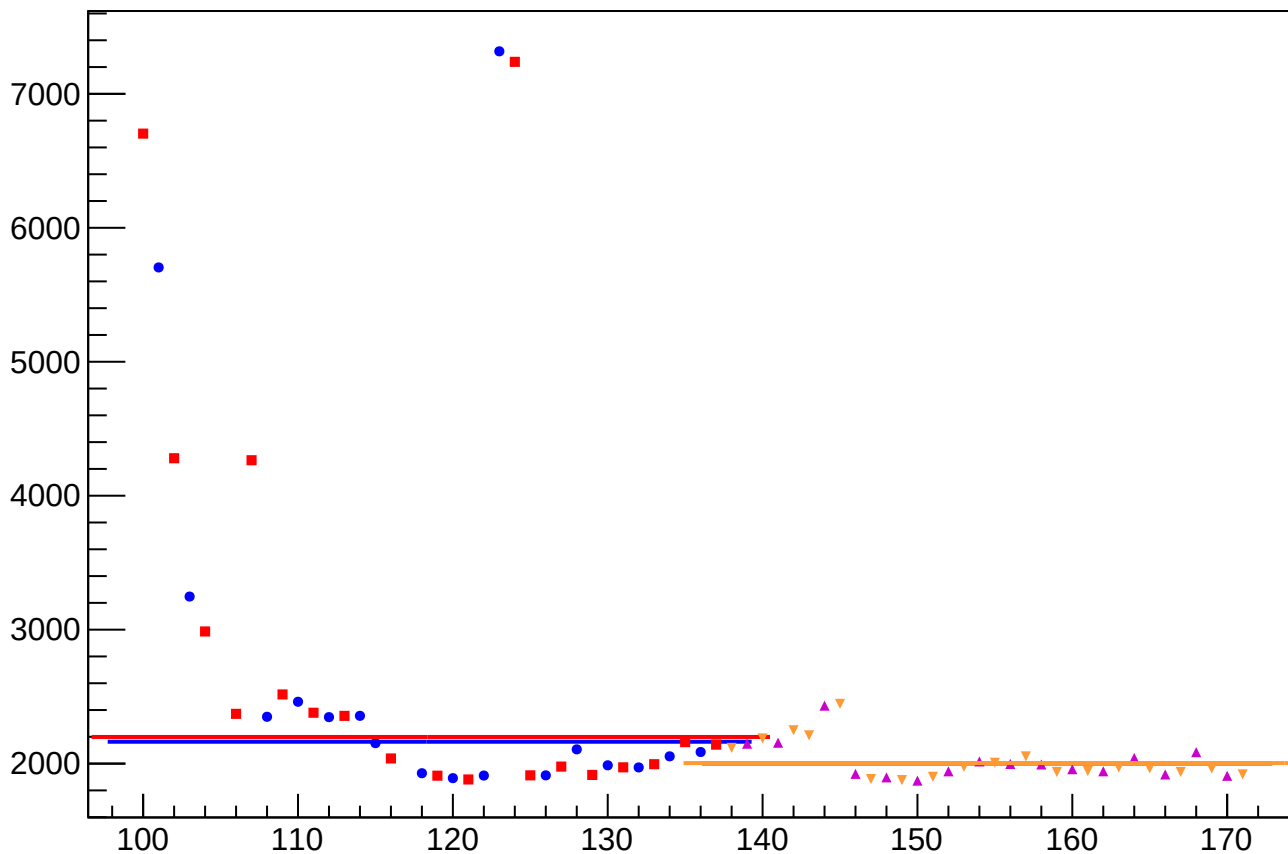
Left In: -1921.280 $\pm$ 568.129 χ^2 /NDF:22.4/15

+ sign 2144.133 $\pm$ 462.620 χ^2 /NDF: 37.3/34

All: 180.795 $\pm$ 330.696 χ^2 /NDF: 117.1/69

- sign -1870.758 $\pm$ 472.899 χ^2 /NDF: 42.9/34

asym_at1_avg_rms vs Slug



Right In: 2163.303+/-0.610 χ^2/NDF : 709584.4/16

Left Out: 2003.981+/-0.387 χ^2/NDF : 115920.3/17

Right Out: 2199.003+/-0.603 χ^2/NDF : 803297.2/18

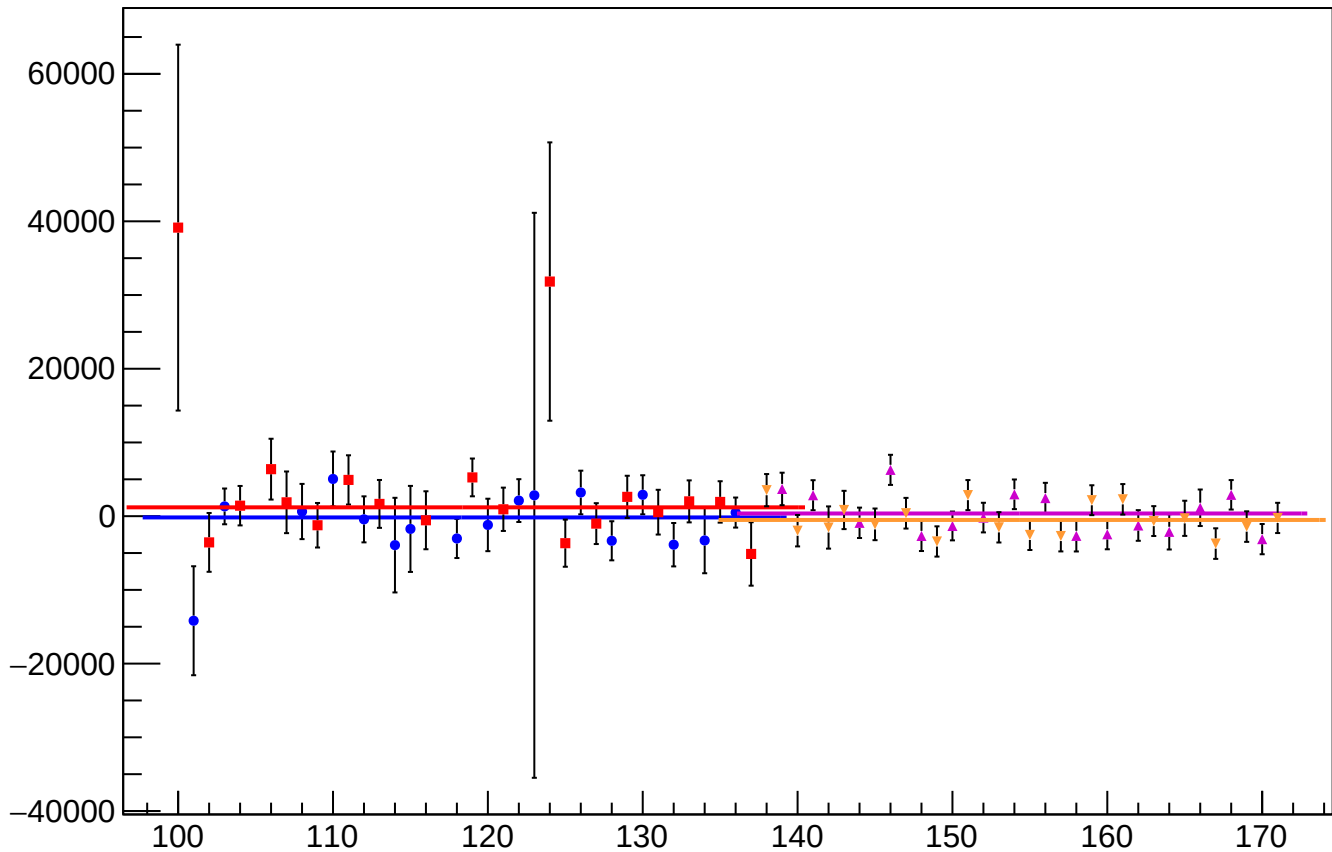
Left In: 2000.712+/-0.402 χ^2/NDF : 97094.6/15

+ sign 2049.743+/-0.327 χ^2/NDF : 874068.4/34

All: 2055.549+/-0.234 χ^2/NDF : 1849936.1/69

- sign 2061.616+/-0.334 χ^2/NDF : 975223.5/34

reg_asym_at1_dd_mean vs Slug



Right In: -170.351 ± 782.384 χ^2/NDF : 14.5/16

Left Out: -513.313 ± 504.530 χ^2/NDF : 17.8/17

Right Out: 1197.543 ± 764.254 χ^2/NDF : 18.2/18

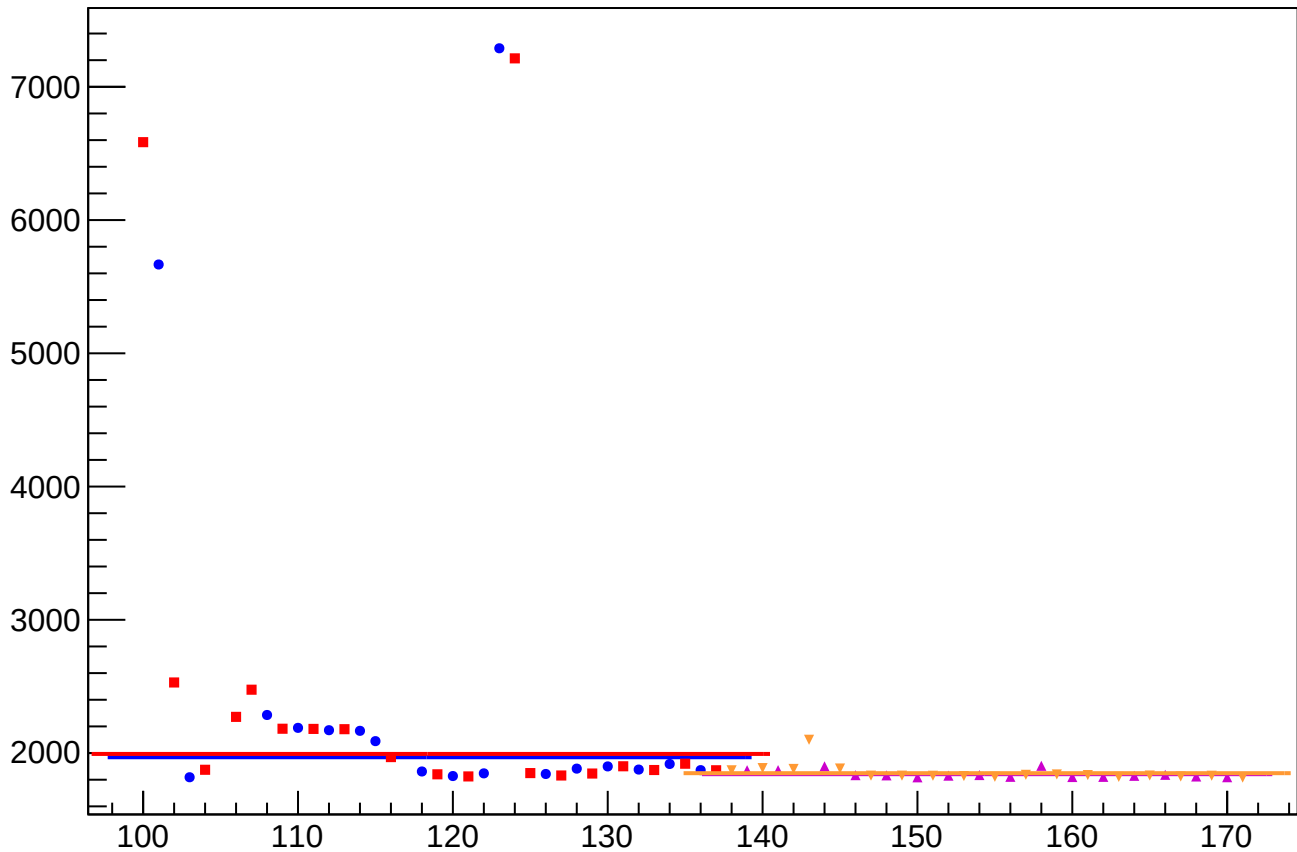
Left In: 365.016 ± 521.953 χ^2/NDF : 28.5/15

+ sign -412.582 ± 424.013 χ^2/NDF : 32.5/34

All: 100.073 ± 302.270 χ^2/NDF : 82.9/69

- sign 629.820 ± 431.023 χ^2/NDF : 47.5/34

reg_asym_at1_dd_rms vs Slug



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1848.998 $\pm$ 0.357 χ^2 /NDF: 23048.8/17

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

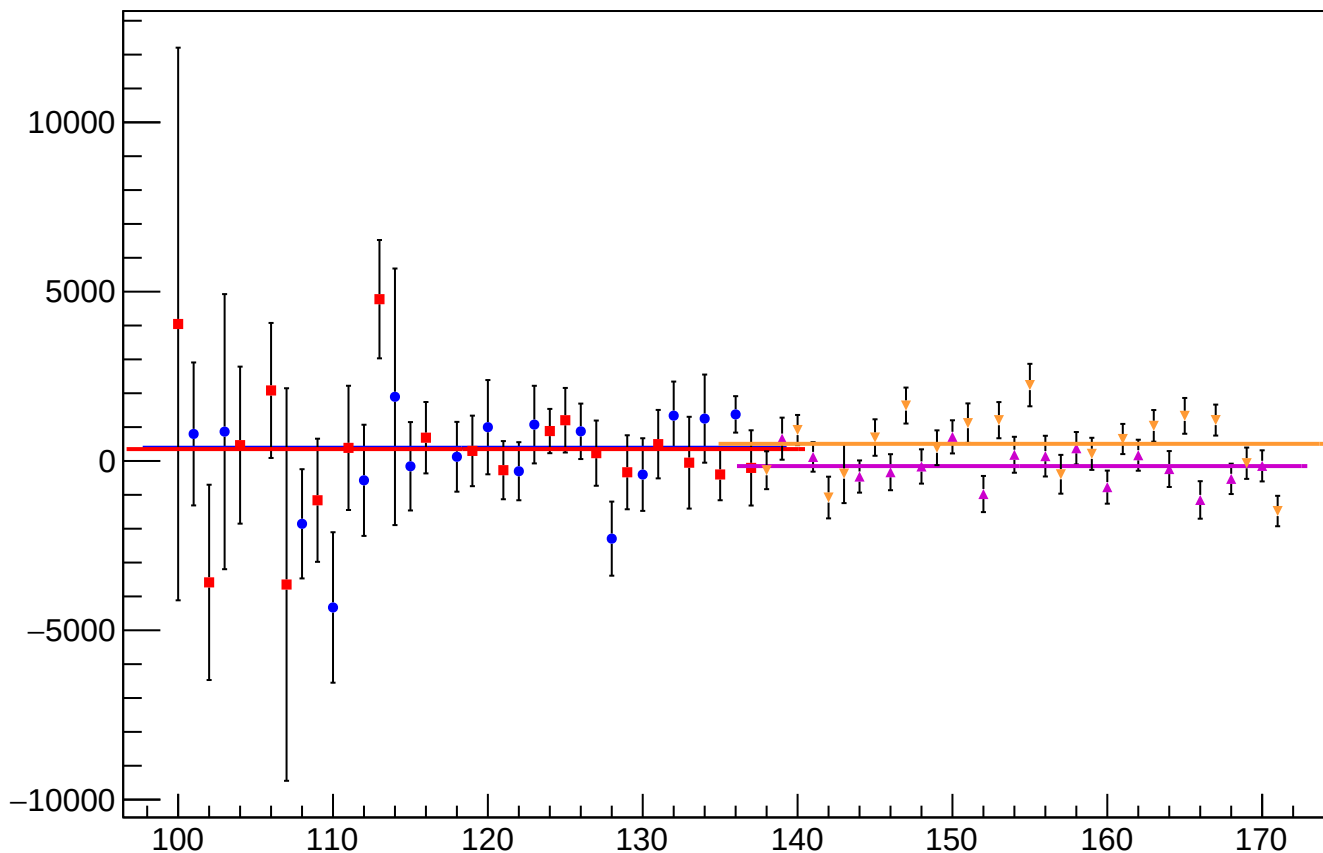
Left In: 1841.514 $\pm$ 0.369 χ^2 /NDF: 5681.1/15

+ sign 1884.135 $\pm$ 0.300 χ^2 /NDF: 659050.1/34

All: 1886.937 $\pm$ 0.214 χ^2 /NDF: 1074964.2/69

- sign 1889.832 $\pm$ 0.305 χ^2 /NDF: 415736.5/34

asym_at1_dd_correction_mean vs Slug



Right In: 390.923 $\pm$ 270.128 χ^2/NDF : 20.0/16

Left Out: 506.031 $\pm$ 122.093 χ^2/NDF : 55.7/17

Right Out: 350.642 $\pm$ 266.097 χ^2/NDF : 14.2/18

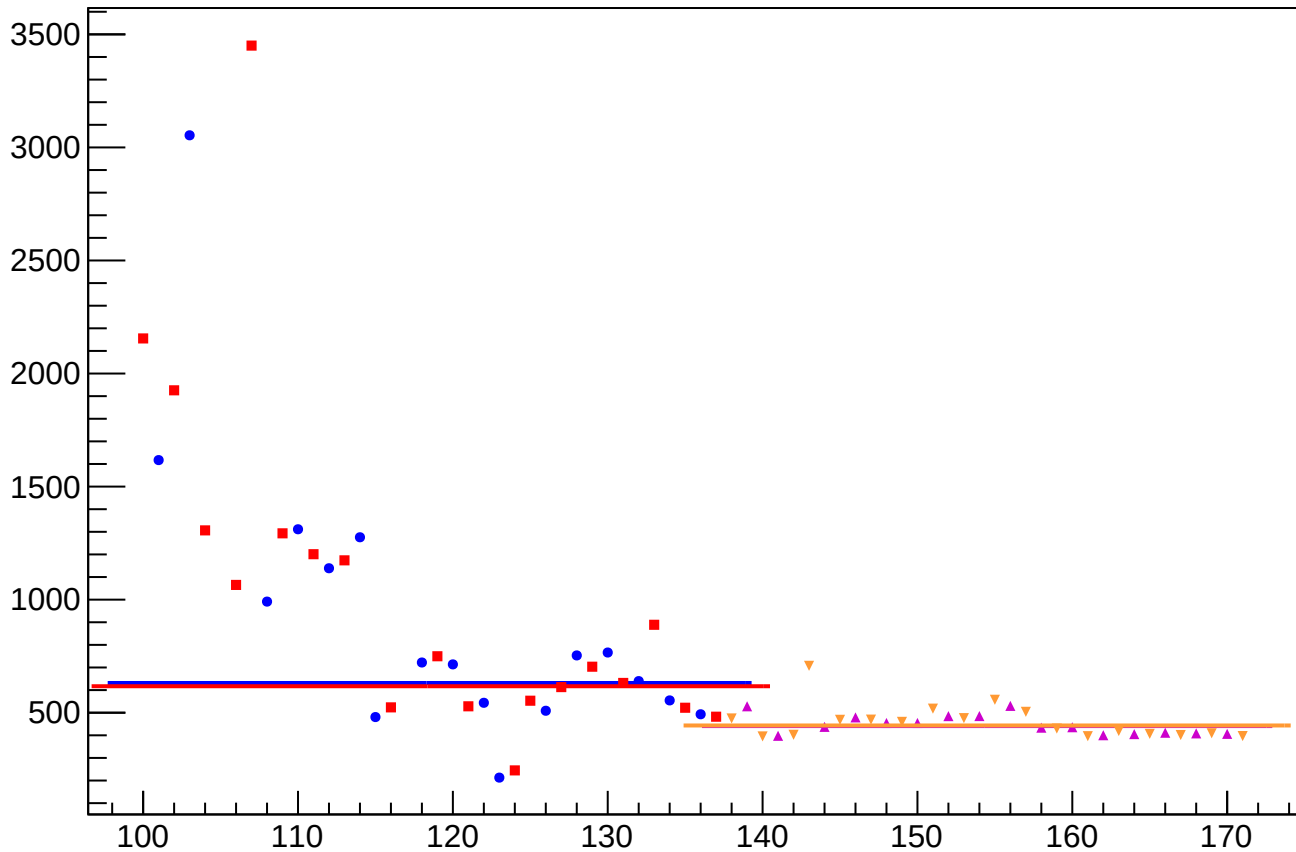
Left In: -151.003 $\pm$ 125.418 χ^2/NDF : 16.1/15

+ sign 486.505 $\pm$ 111.256 χ^2/NDF : 75.9/34

All: 218.672 $\pm$ 79.434 χ^2/NDF : 120.9/69

- sign -59.819 $\pm$ 113.449 χ^2/NDF : 33.2/34

asym_at1_dd_correction_rms vs Slug



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 443.525 $\pm$ 0.086 χ^2 /NDF: 450715.3/17

Right Out: 617.035 $\pm$ 0.188 χ^2 /NDF: 2802149.9/18

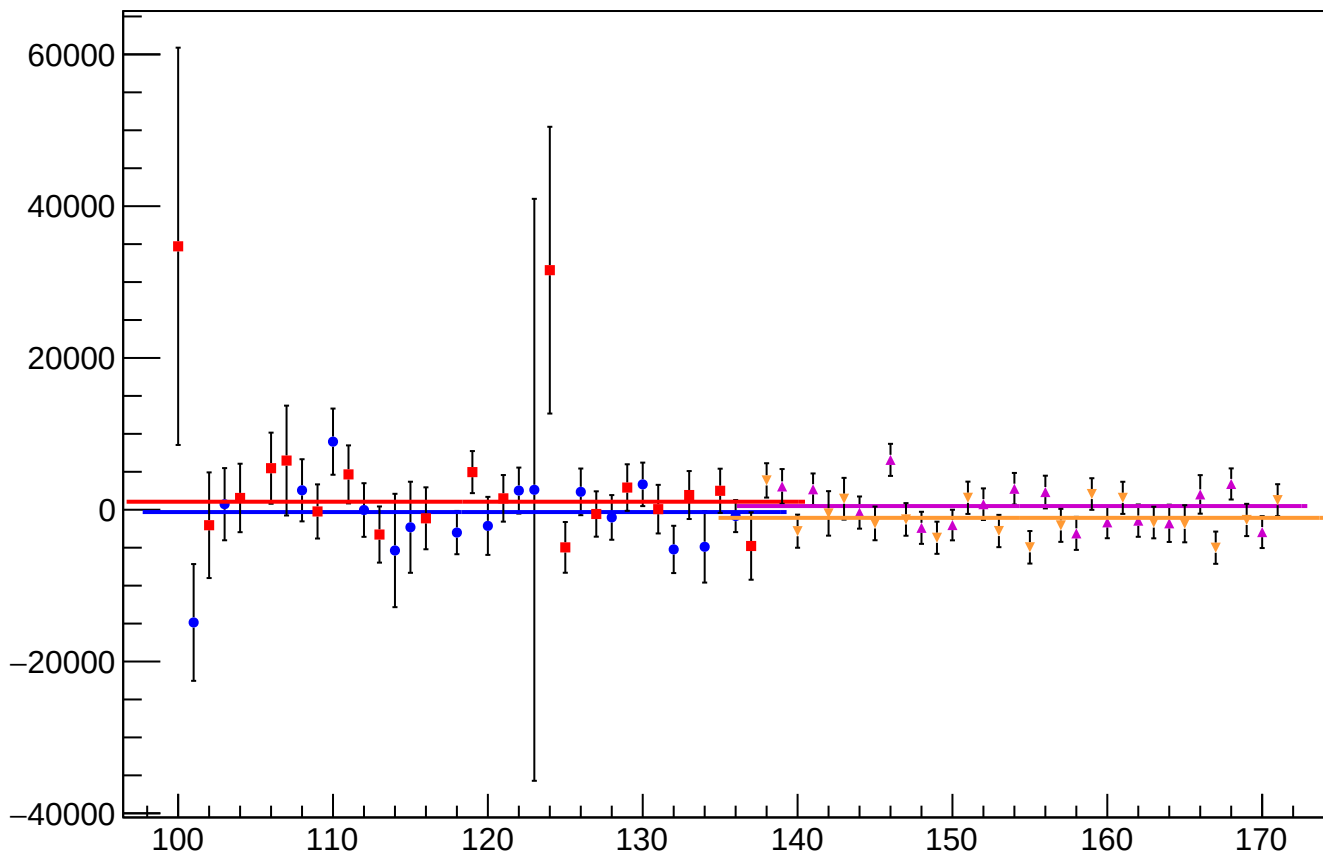
Left In: 440.873 $\pm$ 0.089 χ^2 /NDF: 196766.6/15

+ sign 475.400 $\pm$ 0.079 χ^2 /NDF: 3515001.5/34

All: 474.171 $\pm$ 0.056 χ^2 /NDF: 7231640.1/69

- sign 472.894 $\pm$ 0.080 χ^2 /NDF: 3716141.2/34

asym_at1_dd_mean vs Slug



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -1069.037 ± 520.633 χ^2/NDF : 22.3/17

Right Out: 1056.856 ± 867.445 χ^2/NDF : 16.6/18

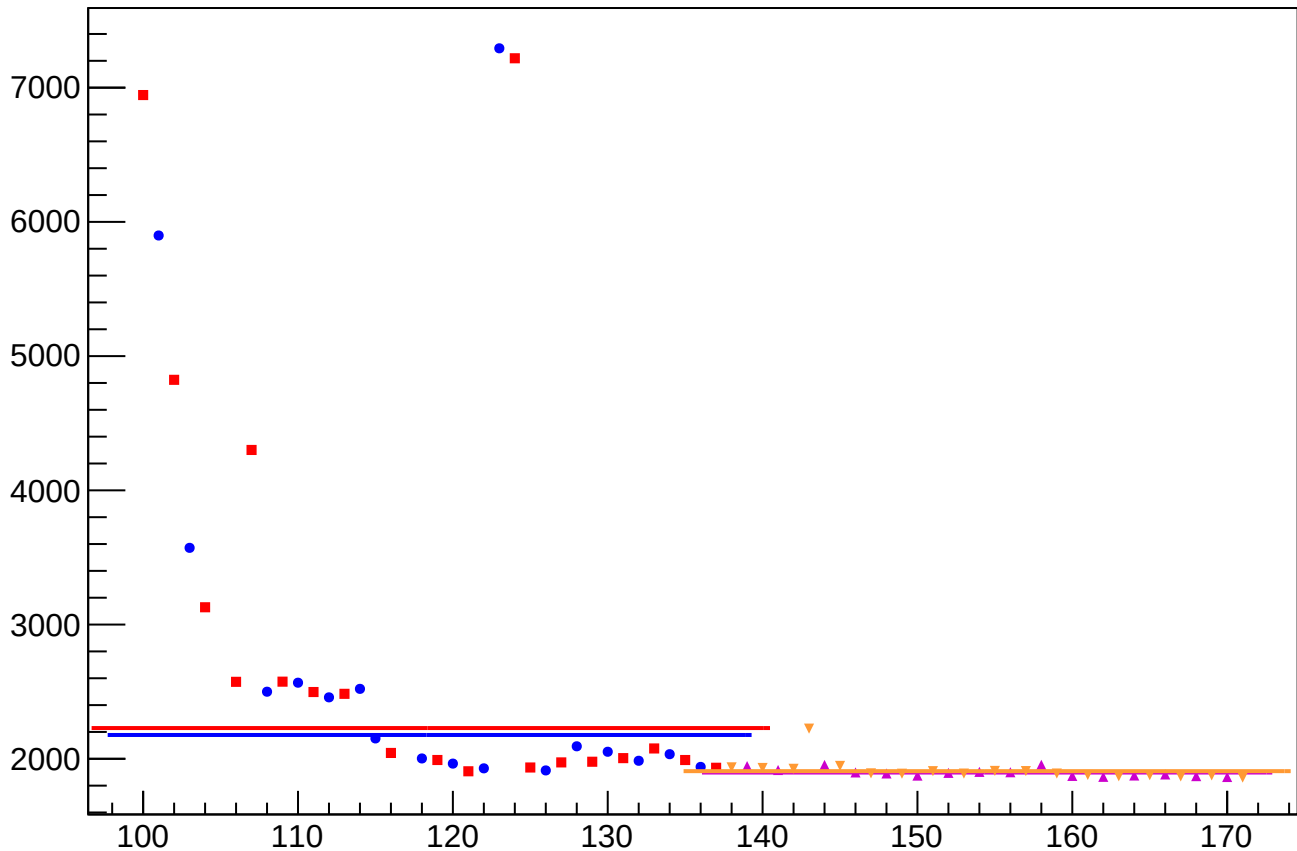
Left In: 485.031 ± 537.809 χ^2/NDF : 26.7/15

+ sign -868.412 ± 447.008 χ^2/NDF : 40.0/34

All: -129.160 ± 319.586 χ^2/NDF : 89.3/69

- sign 643.804 ± 457.087 χ^2/NDF : 43.6/34

asym_at1_dd_rms vs Slug



Right In: 2177.446 $\pm$ 0.617 χ^2 /NDF: 802836.7/16

Left Out: 1907.905 $\pm$ 0.368 χ^2 /NDF:31894.9/17

Right Out: 2229.014 $\pm$ 0.613 χ^2 /NDF: 895809.1/18

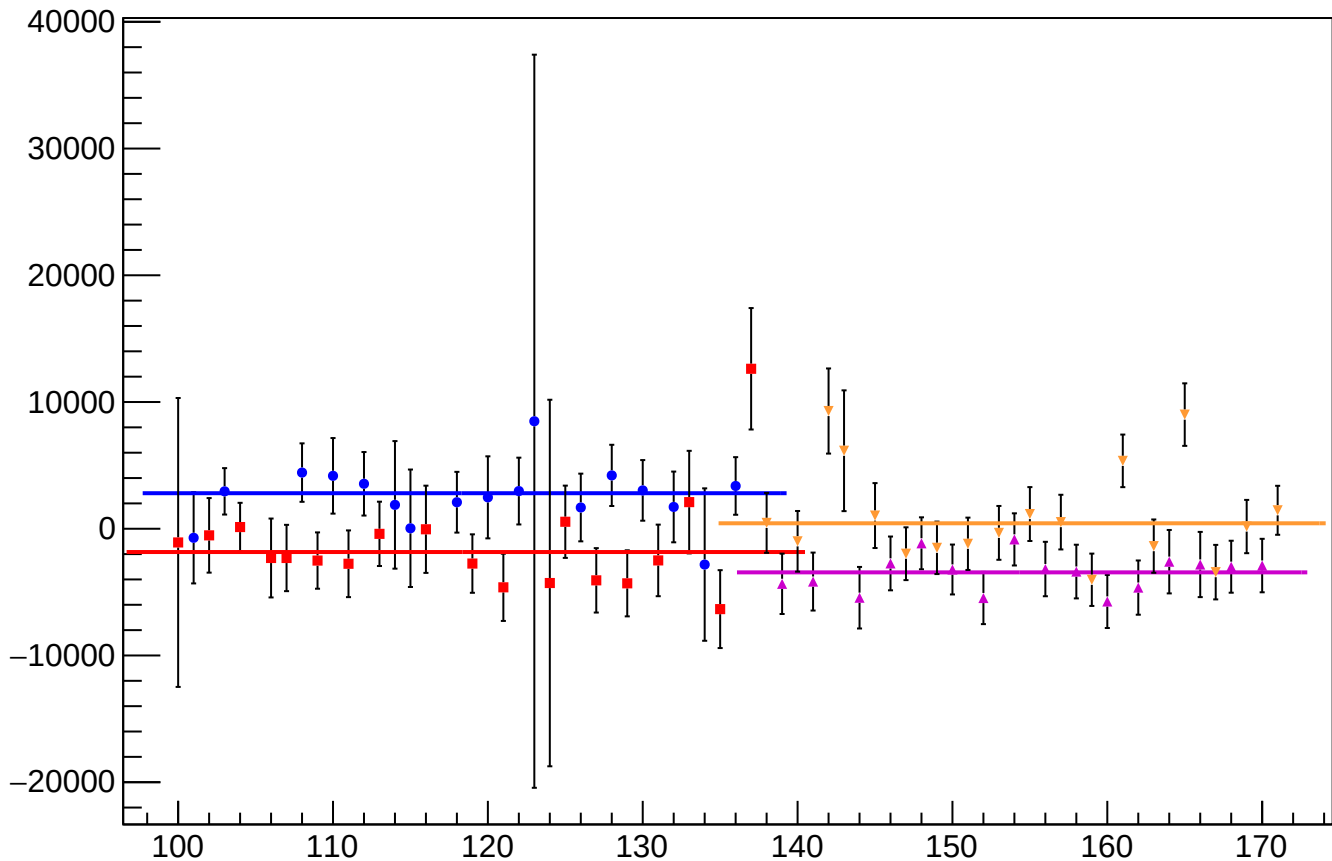
Left In: 1897.618 $\pm$ 0.380 χ^2 /NDF:5981.3/15

+ sign 1978.749 $\pm$ 0.316 χ^2 /NDF: 975625.1/34

All: 1984.070 $\pm$ 0.226 χ^2 /NDF: 2088849.9/69

- sign 1989.634 $\pm$ 0.323 χ^2 /NDF: 1112645.1/34

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917 ± 678.548 χ^2/NDF : 3.9/16

Left Out: 430.607 ± 529.837 χ^2/NDF : 38.5/17

Right Out: -1837.168 ± 655.307 χ^2/NDF : 18.0/18

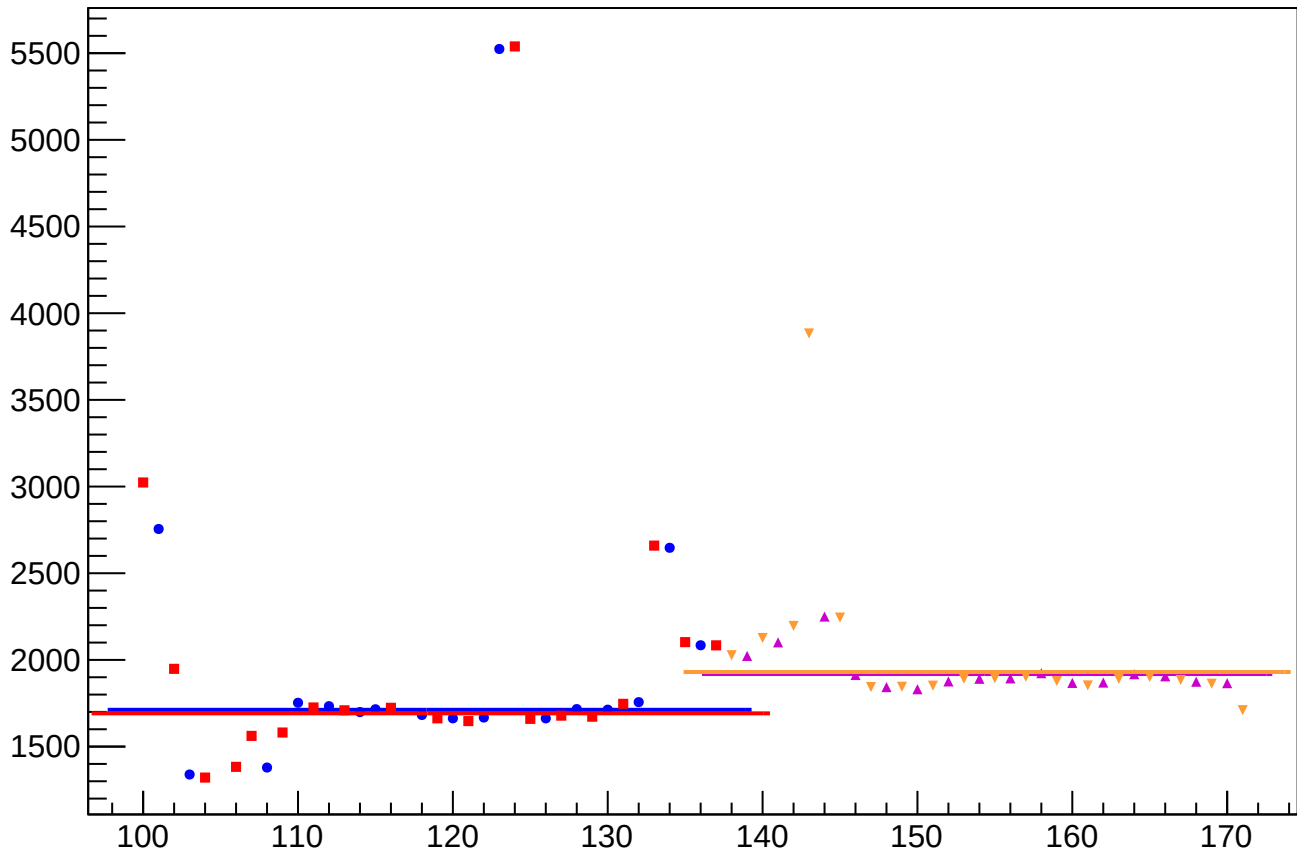
Left In: -3441.771 ± 543.403 χ^2/NDF : 6.7/15

+ sign 1329.546 ± 417.608 χ^2/NDF : 50.0/34

All: -725.825 ± 295.536 χ^2/NDF : 126.8/69

- sign -2787.971 ± 418.296 χ^2/NDF : 28.3/34

reg_asym_at2_avg_rms vs Slug



Right In: 1712.154 ± 0.480 χ^2/NDF : 432478.4/16

Left Out: 1930.279 ± 0.375 χ^2/NDF : 440584.2/17

Right Out: 1691.747 ± 0.463 χ^2/NDF : 454922.1/18

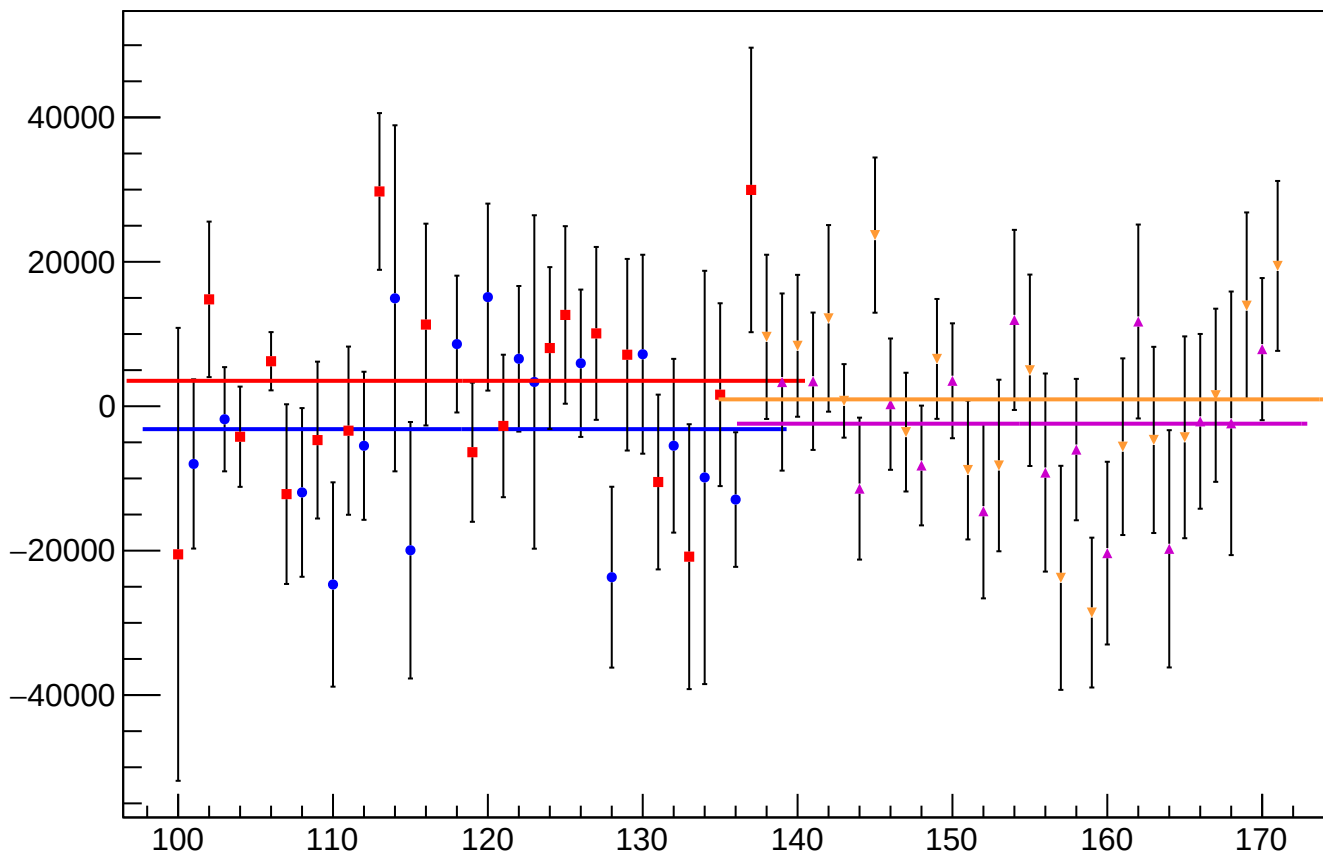
Left In: 1918.558 ± 0.384 χ^2/NDF : 66542.1/15

+ sign 1847.660 ± 0.295 χ^2/NDF : 1001452.9/34

All: 1836.919 ± 0.209 χ^2/NDF : 1667538.1/69

- sign 1826.142 ± 0.296 χ^2/NDF : 663434.7/34

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 ± 2851.982 χ^2/NDF : 14.4/16

Left Out: 951.592 ± 2386.159 χ^2/NDF : 23.6/17

Right Out: 3520.105 ± 2266.532 χ^2/NDF : 19.5/18

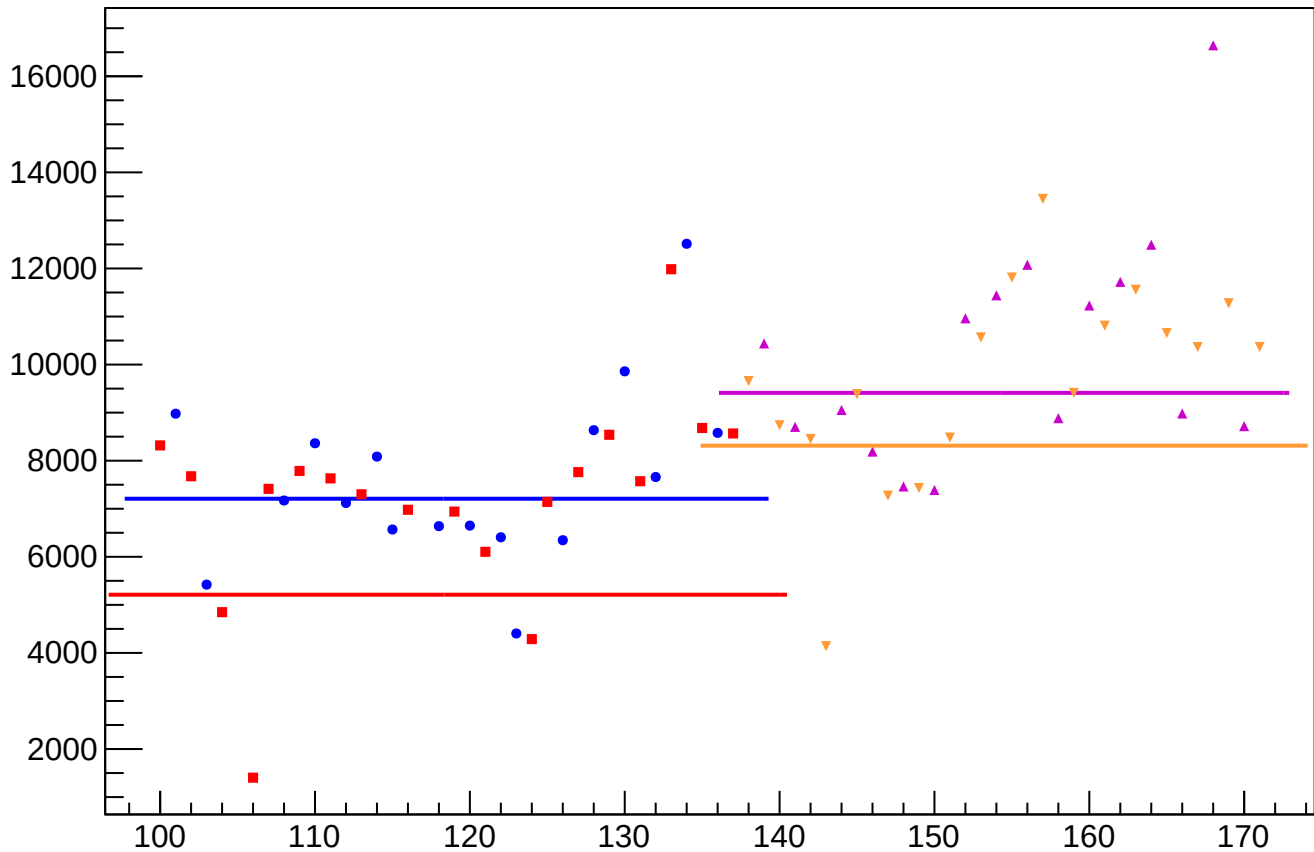
Left In: -2418.051 ± 2720.034 χ^2/NDF : 10.6/15

+ sign -746.887 ± 1830.094 χ^2/NDF : 39.2/34

All: 215.461 ± 1261.489 χ^2/NDF : 72.7/69

- sign 1086.641 ± 1741.249 χ^2/NDF : 32.9/34

asym_at2_avg_correction_rms vs Slug



Right In: 7208.567+/-2.017 χ^2/NDF : 469302.0/16

Left Out: 8312.939+/-1.687 χ^2/NDF : 2394132.4/17

Right Out: 5211.187+/-1.603 χ^2/NDF : 3196870.2/18

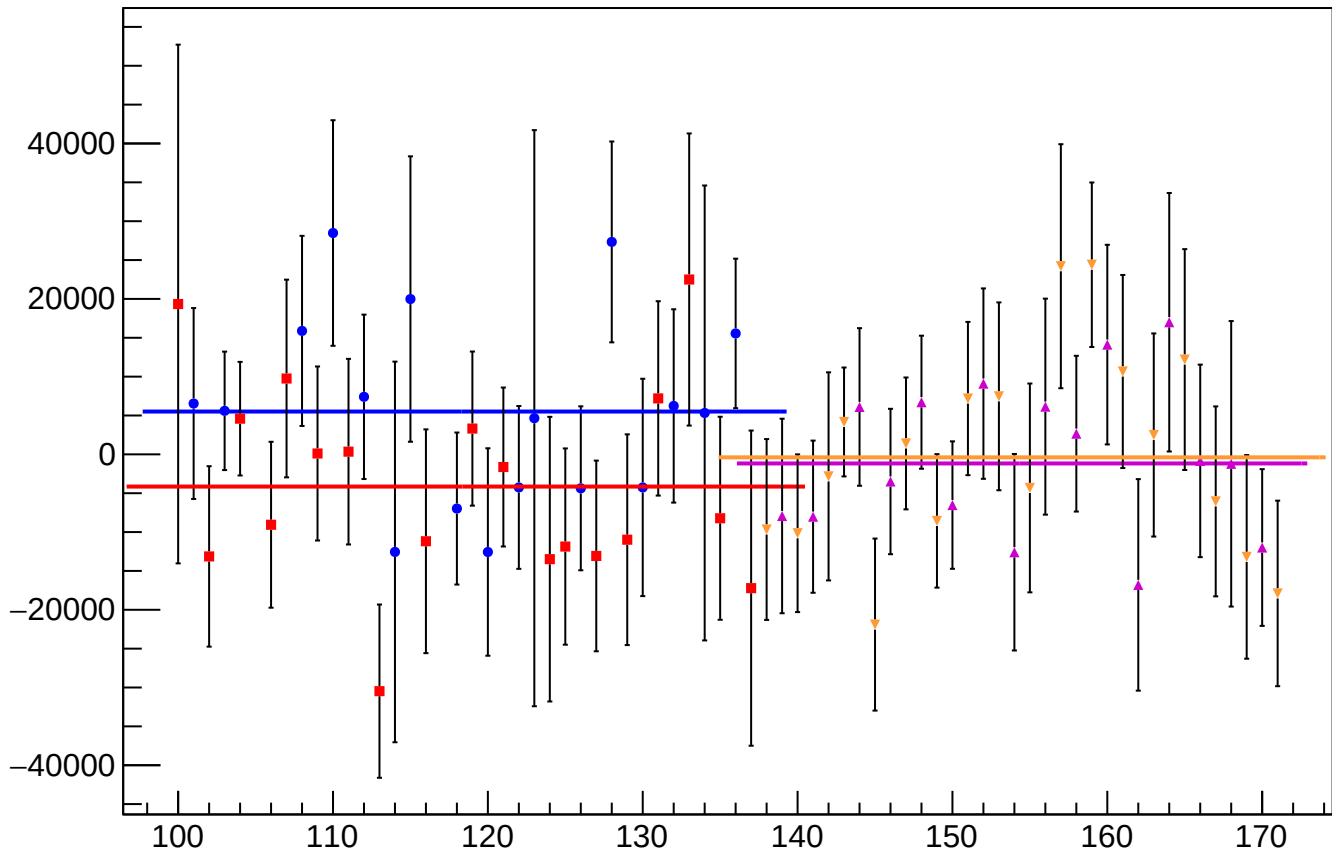
Left In: 9411.056+/-1.923 χ^2/NDF : 967958.7/15

+ sign 7858.193+/-1.294 χ^2/NDF : 3039841.0/34

All: 7372.227+/-0.892 χ^2/NDF : 10287534.9/6

- sign 6932.299+/-1.231 χ^2/NDF : 6979004.1/34

asym_at2_avg_mean vs Slug



Right In: 5509.395 ± 2971.033 χ^2/NDF : 14.1/16

Left Out: -384.261 ± 2572.187 χ^2/NDF : 20.7/17

Right Out: -4146.067 ± 2790.212 χ^2/NDF : 15.4/18

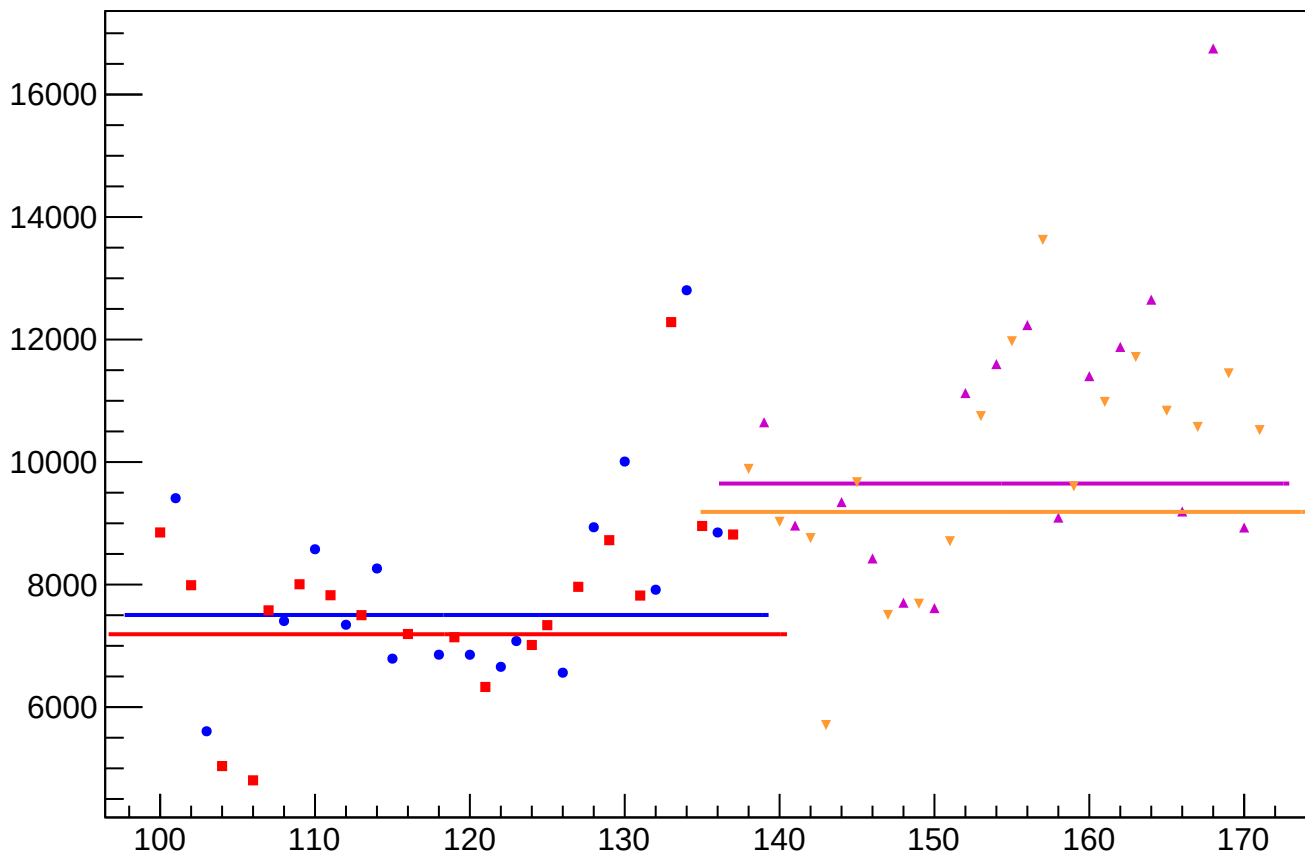
Left In: -1171.055 ± 2784.747 χ^2/NDF : 9.7/15

+ sign 2140.690 ± 1944.651 χ^2/NDF : 37.1/34

All: -225.151 ± 1384.313 χ^2/NDF : 65.7/69

- sign -2655.645 ± 1971.043 χ^2/NDF : 25.6/34

asym_at2_avg_rms vs Slug



Right In: 7503.667 $\pm$ 2.101 χ^2 /NDF: 427313.5/16

Left Out: 9186.297 $\pm$ 1.819 χ^2 /NDF:1187765.2/17

Right Out: 7189.231 $\pm$ 1.973 χ^2 /NDF: 557703.4/18

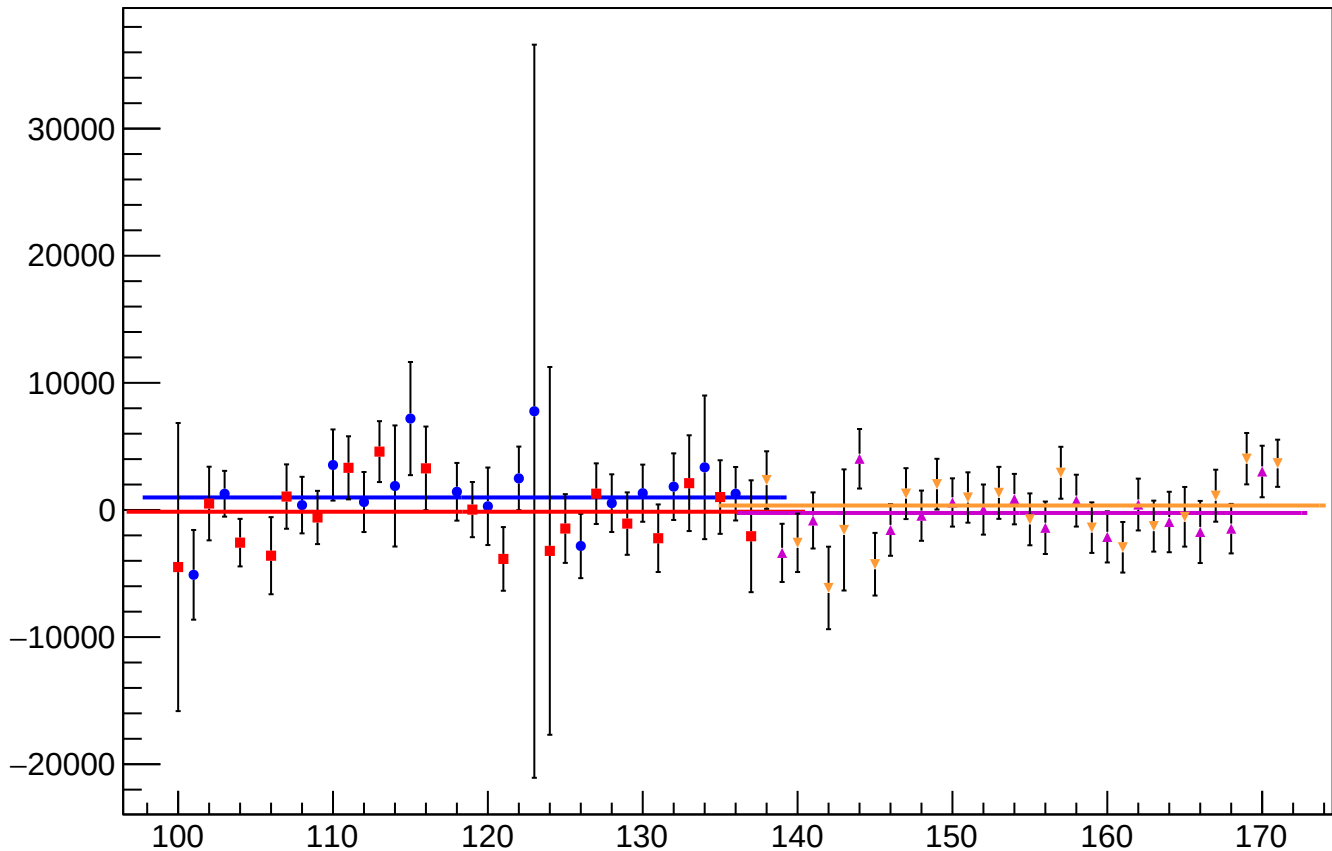
Left In: 9649.283 $\pm$ 1.969 χ^2 /NDF:904964.0/15

+ sign 8465.406 $\pm$ 1.375 χ^2 /NDF: 1981755.3/34

All: 8443.753 $\pm$ 0.979 χ^2 /NDF: 4223895.1/69

- sign 8421.511 $\pm$ 1.394 χ^2 /NDF: 2241637.1/34

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 ± 644.630 χ^2/NDF : 9.1/16

Left Out: 351.299 ± 508.141 χ^2/NDF : 24.2/17

Right Out: -138.627 ± 623.555 χ^2/NDF : 14.7/18

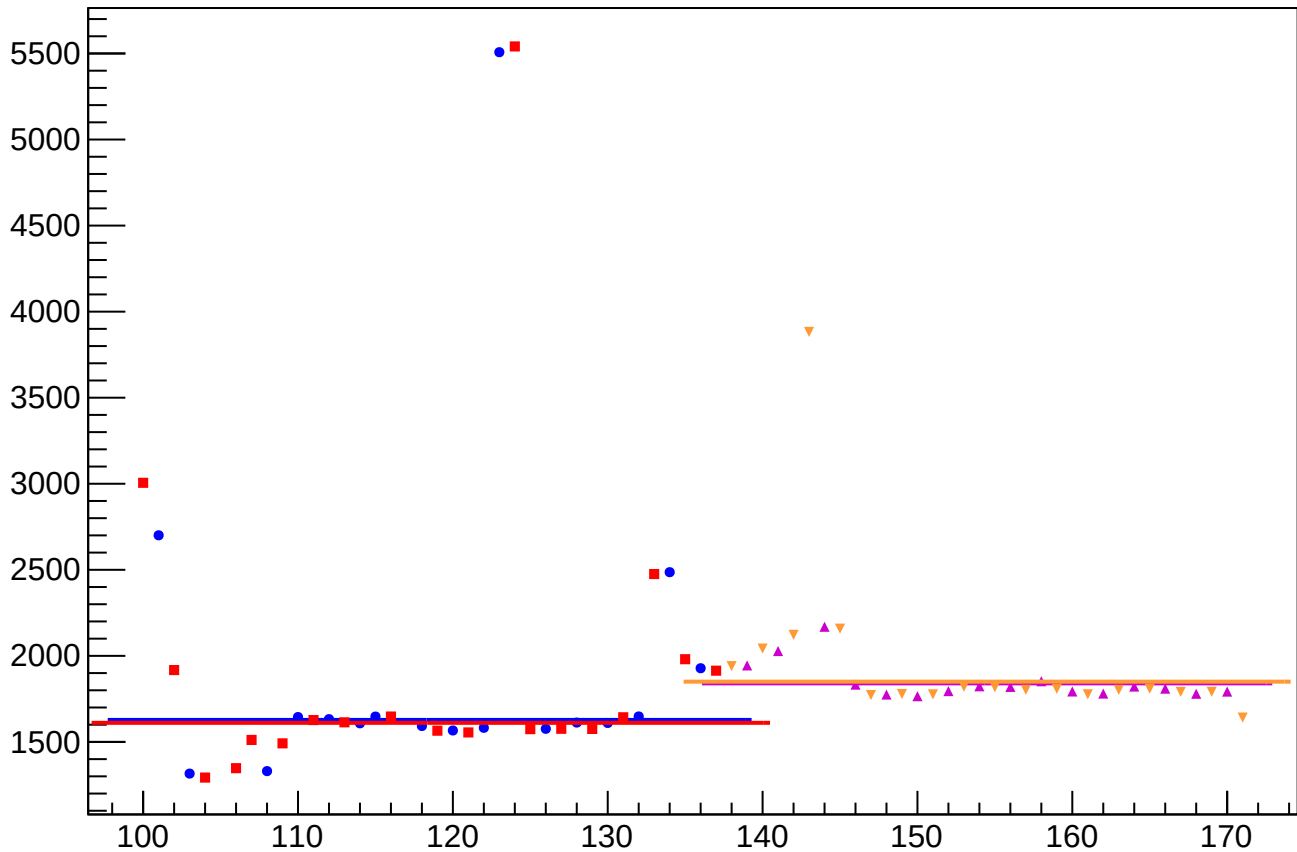
Left In: -235.855 ± 521.256 χ^2/NDF : 11.2/15

+ sign 594.330 ± 399.065 χ^2/NDF : 33.8/34

All: 200.086 ± 282.486 χ^2/NDF : 61.7/69

- sign -195.860 ± 399.926 χ^2/NDF : 25.9/34

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1850.151 $\pm$ 0.359 χ^2 /NDF: 470727.8/17

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

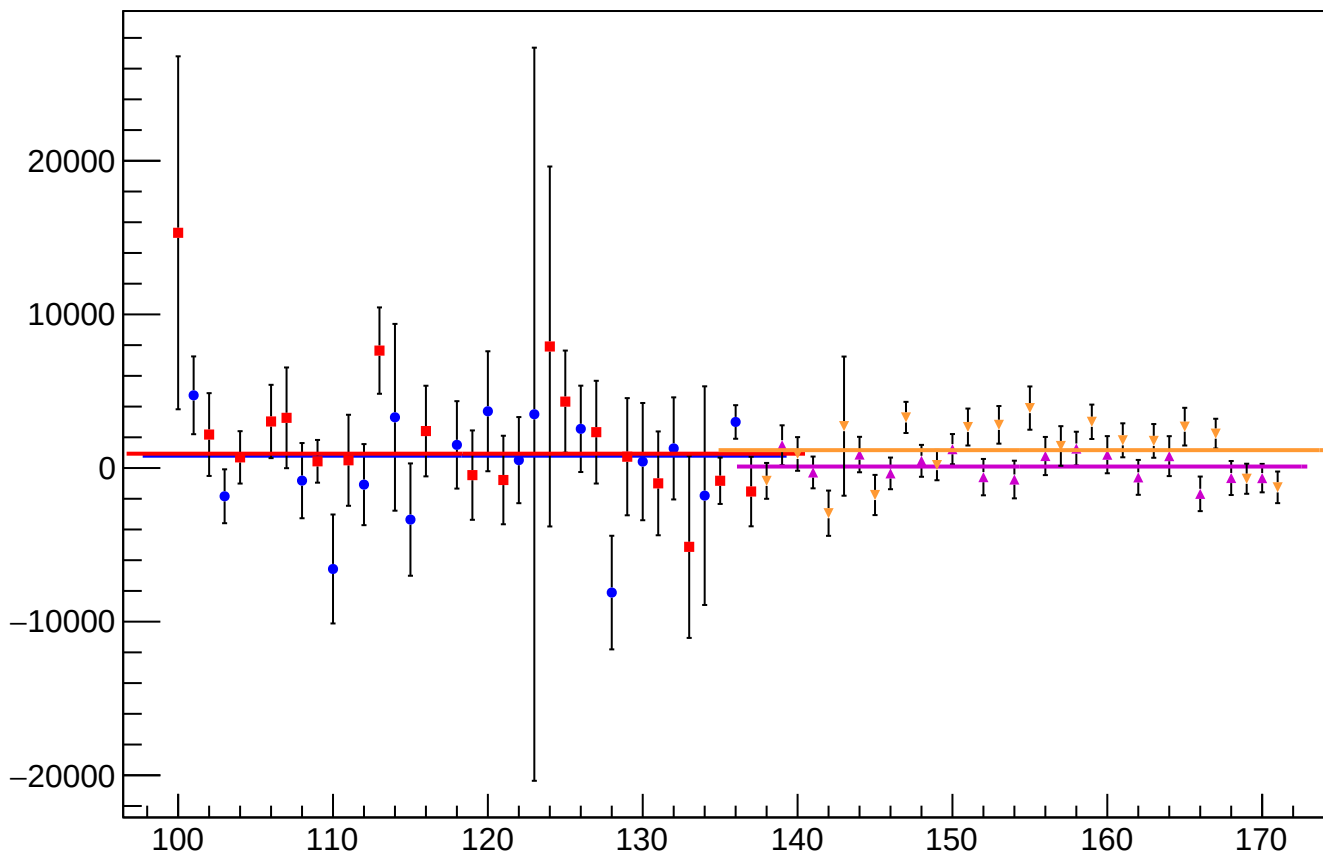
Left In: 1840.164 $\pm$ 0.369 χ^2 /NDF: 71108.0/15

+ sign 1764.951 $\pm$ 0.282 χ^2 /NDF: 1024545.6/34

All: 1755.434 $\pm$ 0.200 χ^2 /NDF: 1690979.1/69

- sign 1745.876 $\pm$ 0.283 χ^2 /NDF: 664153.6/34

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 1163.616 $\pm$ 274.377 χ^2 /NDF:43.7/17

Right Out: 933.645 $\pm$ 589.727 χ^2 /NDF: 15.3/18

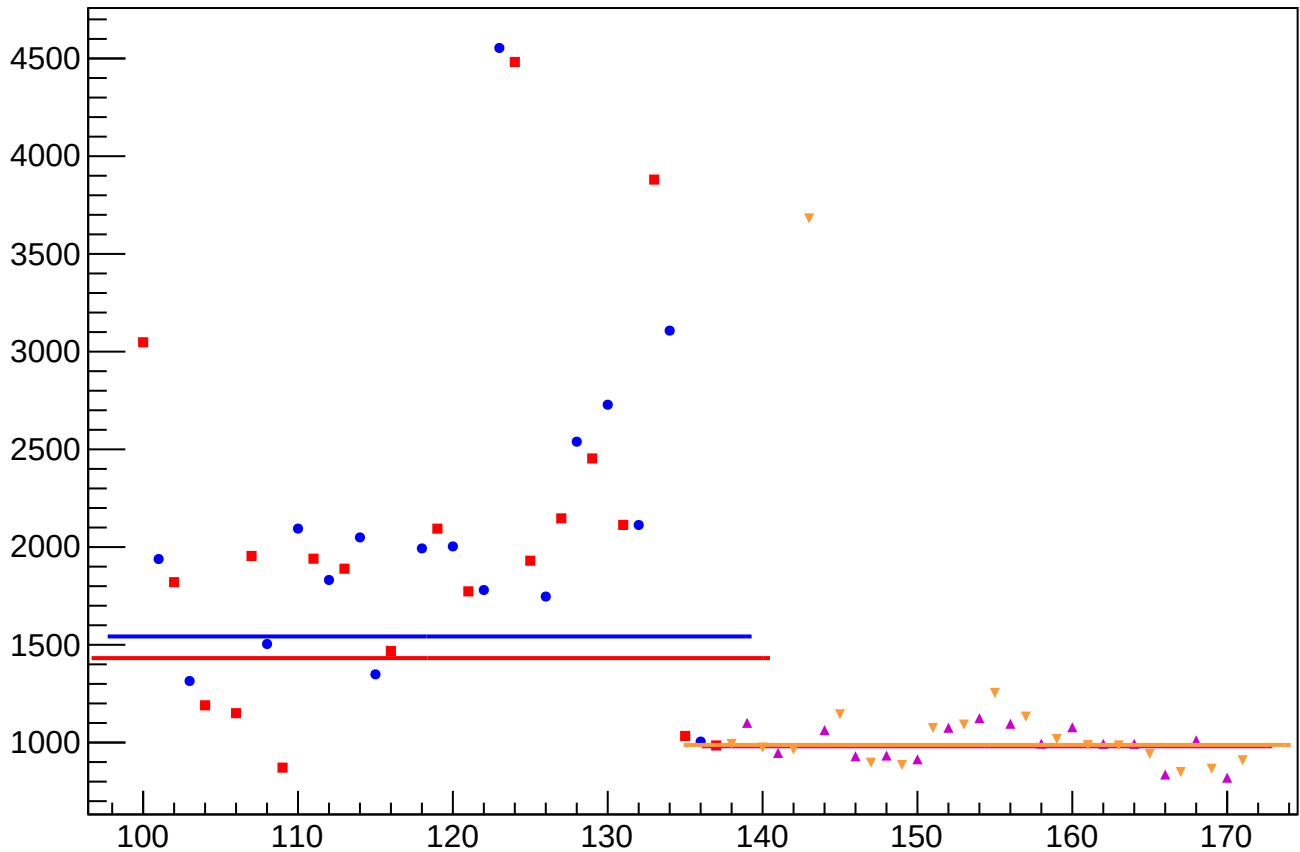
Left In: 96.816 $\pm$ 278.812 χ^2 /NDF:10.3/15

+ sign 1106.385 $\pm$ 251.662 χ^2 /NDF: 66.4/34

All: 678.718 $\pm$ 178.093 χ^2 /NDF: 99.4/69

- sign 249.695 $\pm$ 252.061 χ^2 /NDF: 27.2/34

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705 $\pm$ 0.447 χ^2/NDF : 1287946.3/16

Left Out: 987.840 $\pm$ 0.194 χ^2/NDF : 984244.9/17

+ sign 1075.911 $\pm$ 0.178 χ^2/NDF : 3570426.4/34

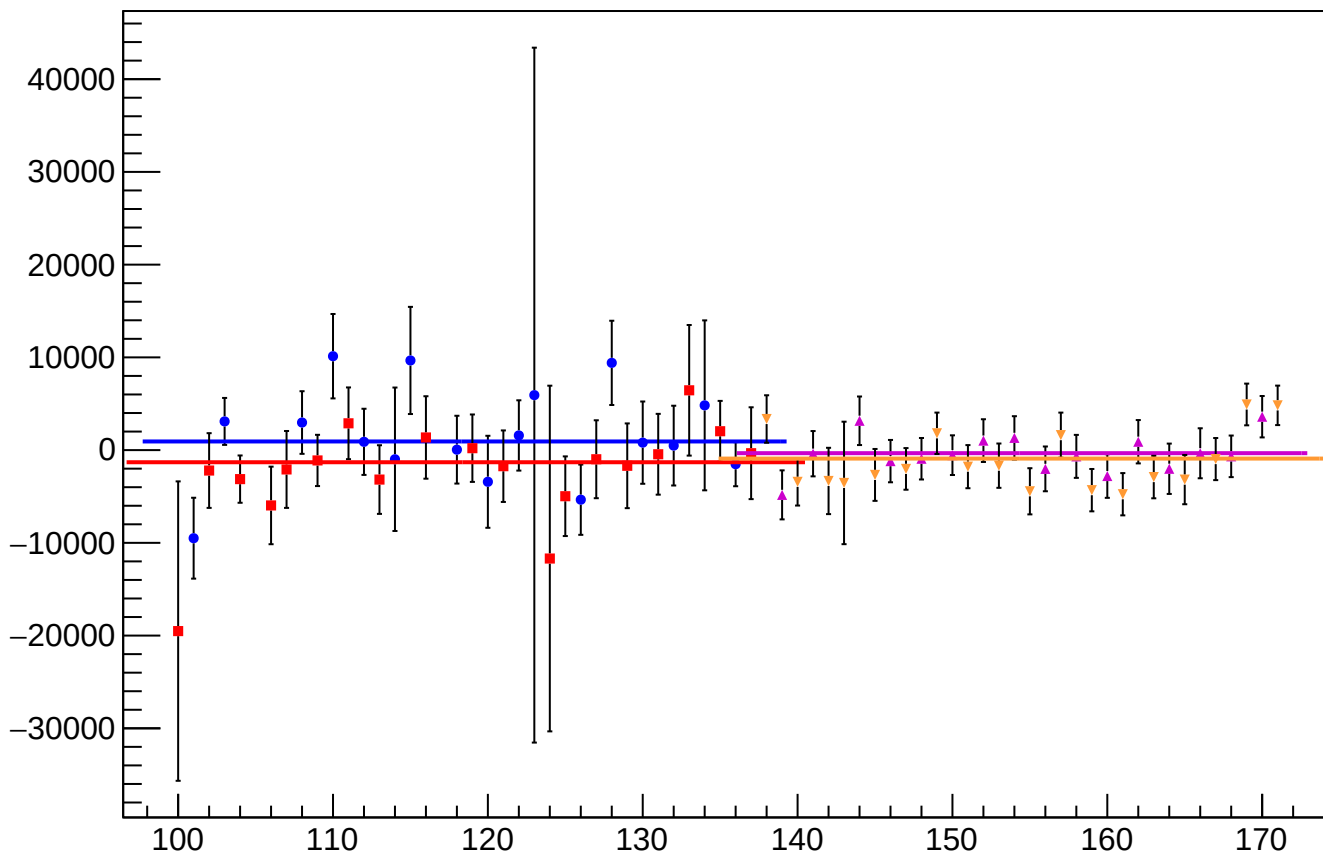
Right Out: 1432.013 $\pm$ 0.417 χ^2/NDF : 1823809.4/18

All: 1069.511 $\pm$ 0.126 χ^2/NDF : 6568078.3/69

Left In: 980.627 $\pm$ 0.197 χ^2/NDF : 213589.7/15

- sign 1063.090 $\pm$ 0.178 χ^2/NDF : 2995060.4/34

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -913.517 ± 581.857 χ^2/NDF : 30.4/17

Right Out: -1307.802 ± 925.415 χ^2/NDF : 8.5/18

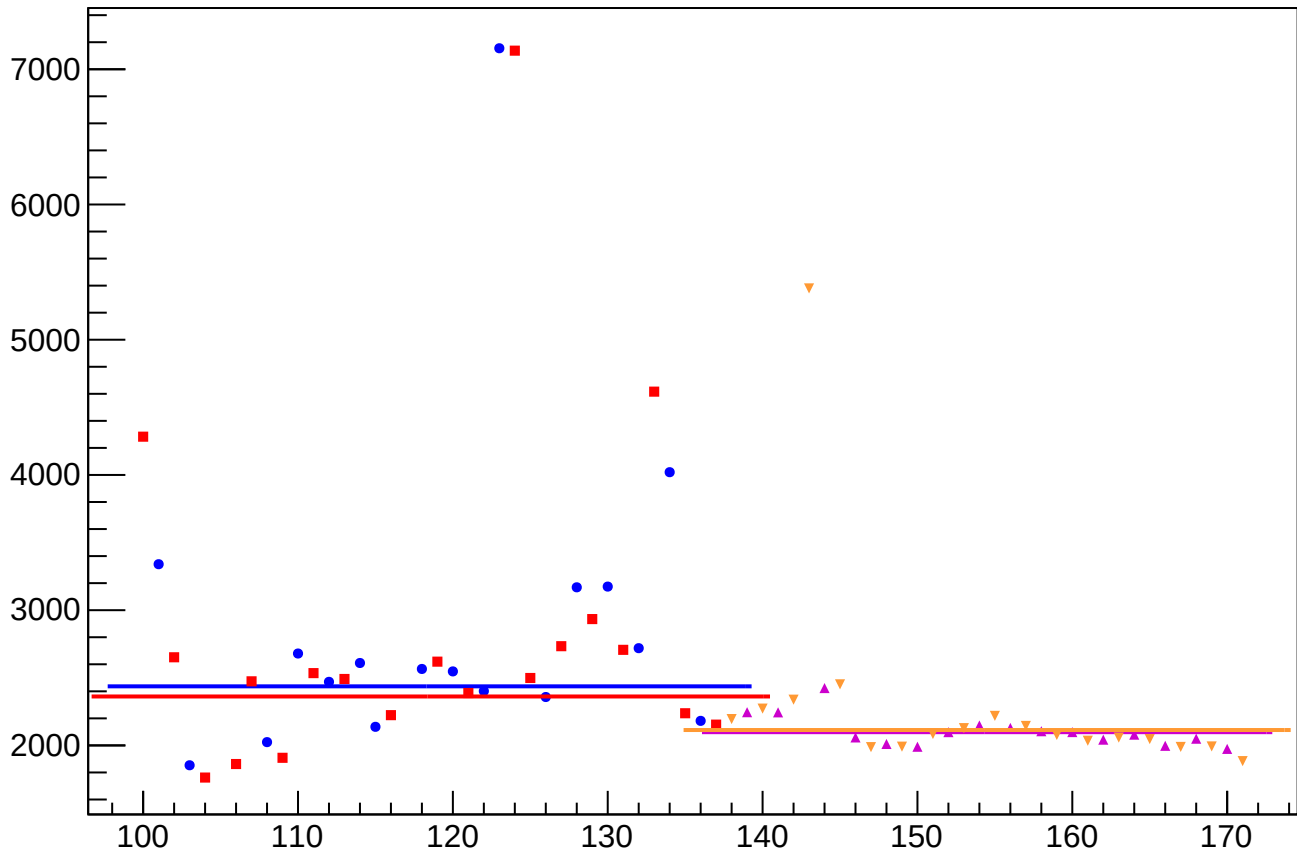
Left In: -329.798 ± 594.187 χ^2/NDF : 11.1/15

+ sign -423.429 ± 498.690 χ^2/NDF : 54.7/34

All: -519.110 ± 353.088 χ^2/NDF : 75.1/69

- sign -615.293 ± 499.995 χ^2/NDF : 20.4/34

asym_at2_dd_rms vs Slug



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2113.822+/-0.411 χ^2/NDF : 593129.4/17

Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

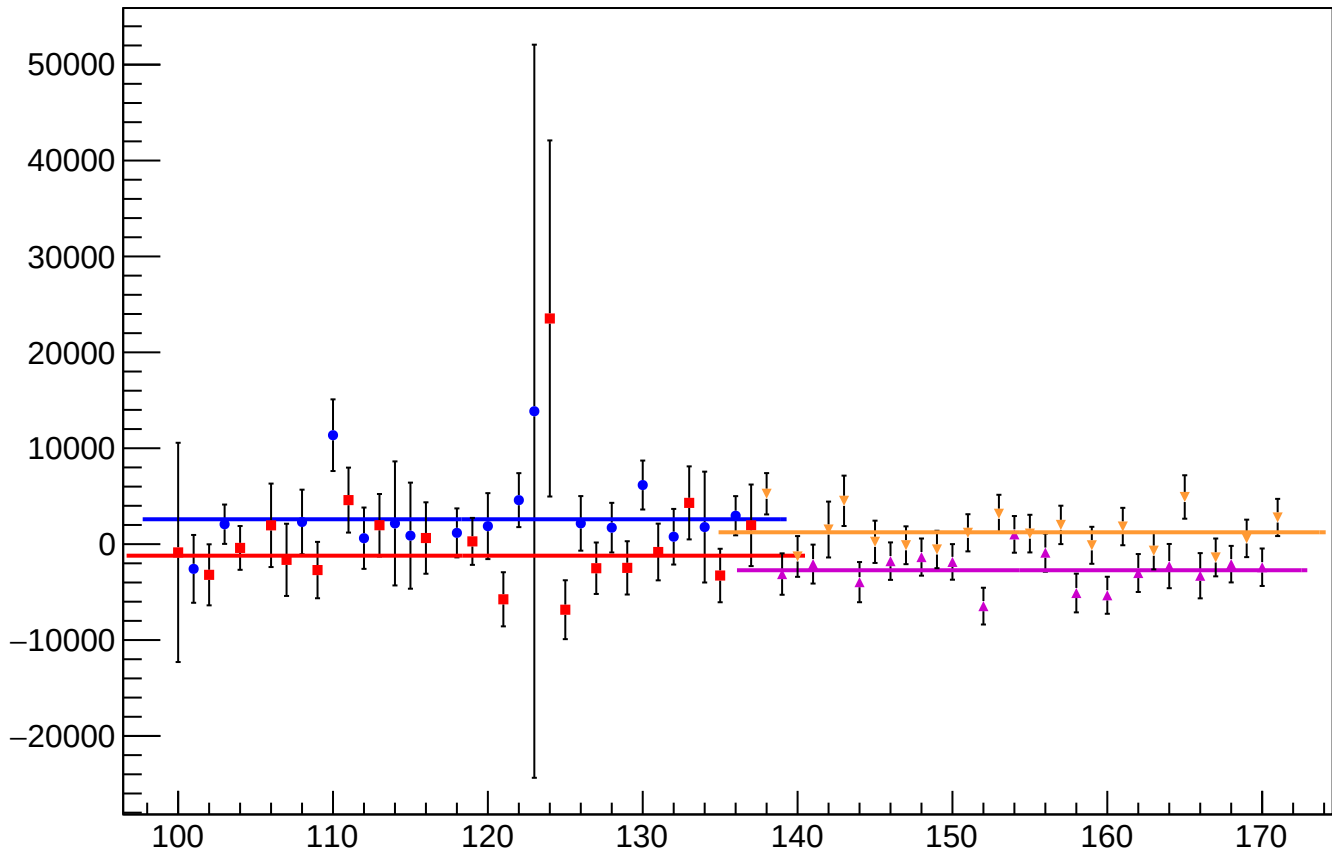
Left In: 2097.949+/-0.420 χ^2/NDF : 65507.4/15

+ sign 2199.568+/-0.353 χ^2/NDF : 1225786.6/34

All: 2187.313+/-0.250 χ^2/NDF : 2064756.0/69

- sign 2174.995+/-0.354 χ^2/NDF : 836547.8/34

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684 $\pm$ 743.000 χ^2 /NDF: 11.7/16

Left Out: 1237.021 $\pm$ 486.114 χ^2 /NDF: 15.8/17

Right Out: -1202.548 $\pm$ 739.618 χ^2 /NDF: 17.2/18

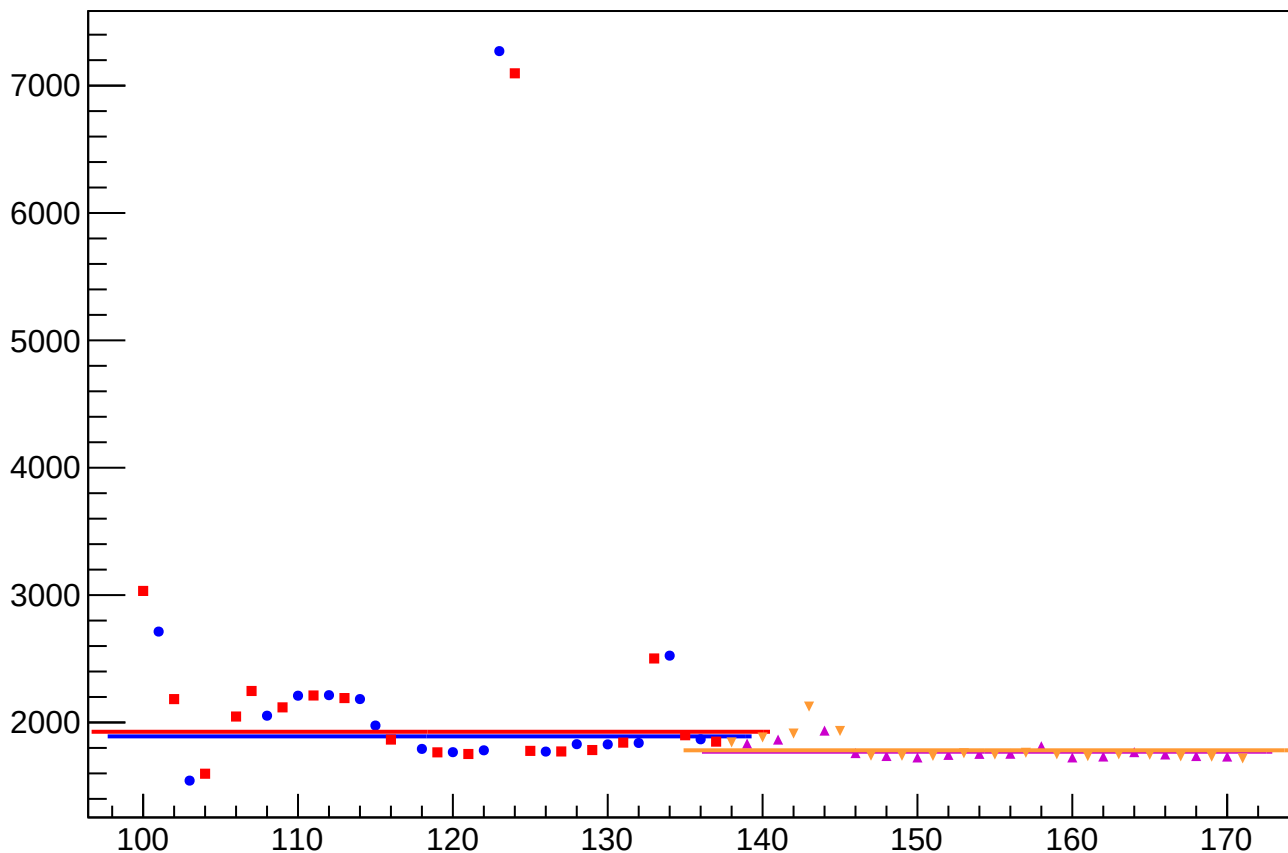
Left In: -2720.580 $\pm$ 501.484 χ^2 /NDF: 13.4/15

+ sign 1643.976 $\pm$ 406.786 χ^2 /NDF: 29.8/34

All: -260.088 $\pm$ 290.526 χ^2 /NDF: 108.0/69

- sign -2242.491 $\pm$ 415.070 χ^2 /NDF: 33.5/34

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1781.368+/-0.344 χ^2/NDF : 65197.5/17

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

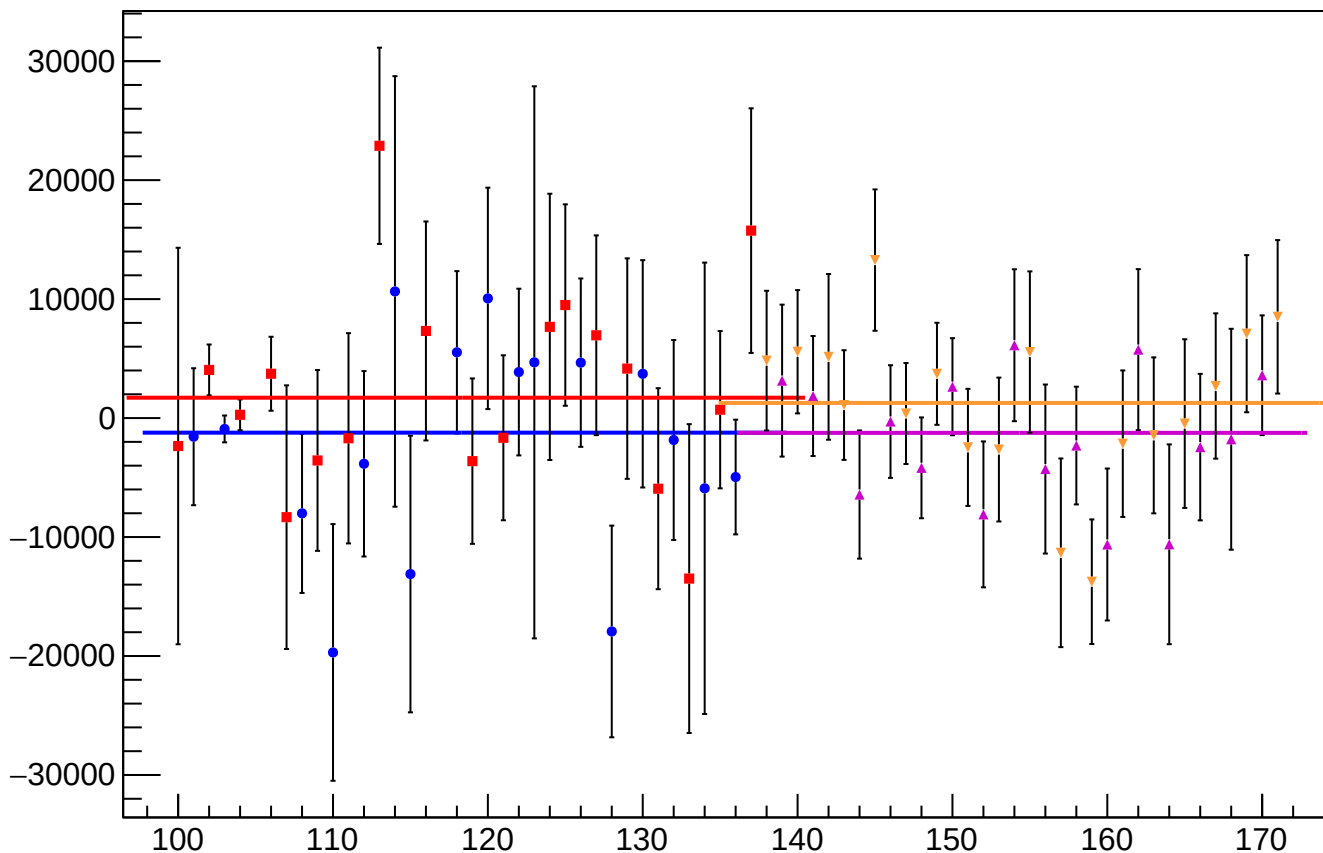
Left In: 1770.296+/-0.355 χ^2/NDF : 25402.1/15

+ sign 1814.146+/-0.288 χ^2/NDF : 384479.2/34

All: 1816.888+/-0.205 χ^2/NDF : 833917.4/69

- sign 1819.739+/-0.293 χ^2/NDF : 449252.9/34

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1226.915 ± 984.603 χ^2/NDF : 13.8/16

Left Out: 1270.954 ± 1338.324 χ^2/NDF : 20.6/17

Right Out: 1711.747 ± 941.580 χ^2/NDF : 17.8/18

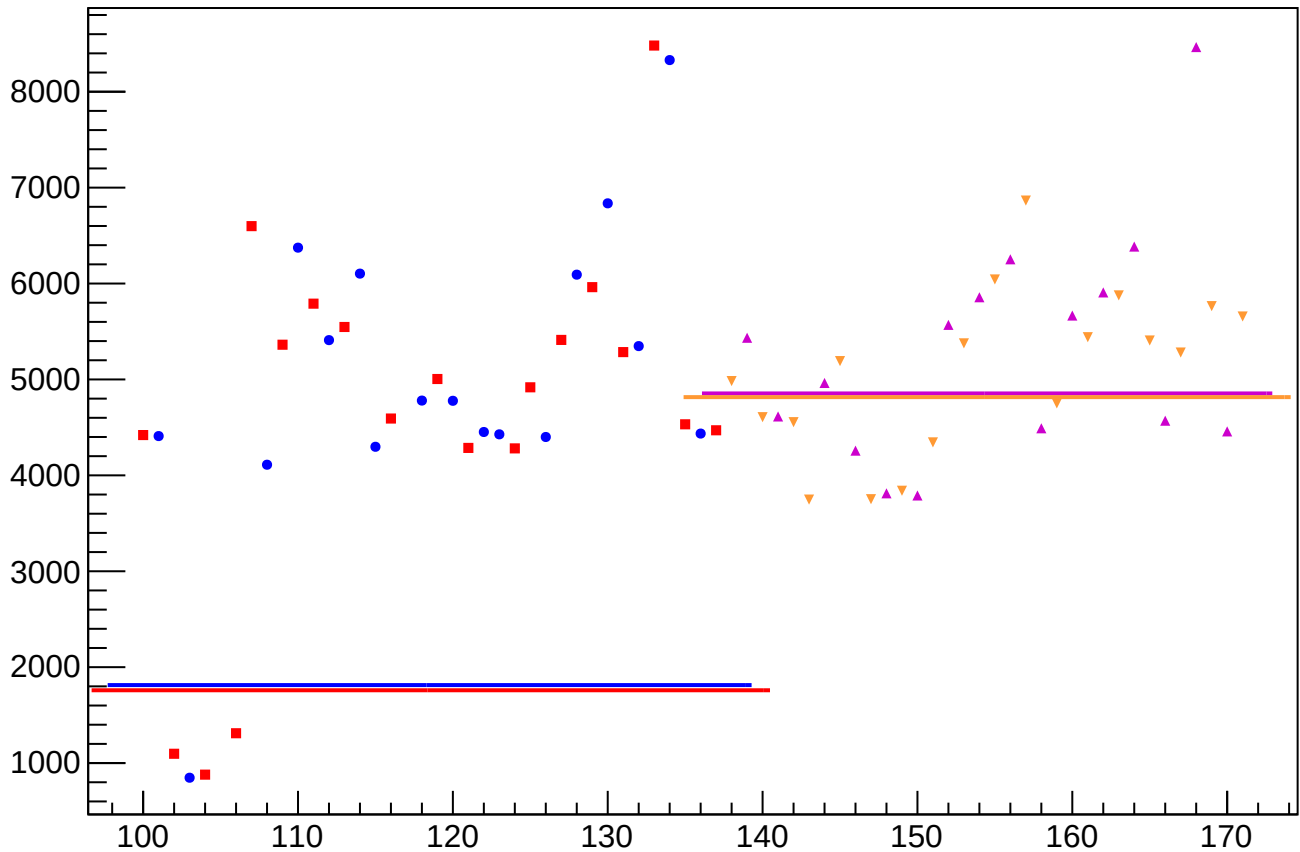
Left In: -1242.703 ± 1402.392 χ^2/NDF : 11.4/15

+ sign -349.721 ± 793.093 χ^2/NDF : 36.7/34

All: 230.261 ± 556.739 χ^2/NDF : 70.1/69

- sign 793.737 ± 781.727 χ^2/NDF : 32.3/34

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4815.525+/-0.946 χ^2/NDF : 761344.5/17

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

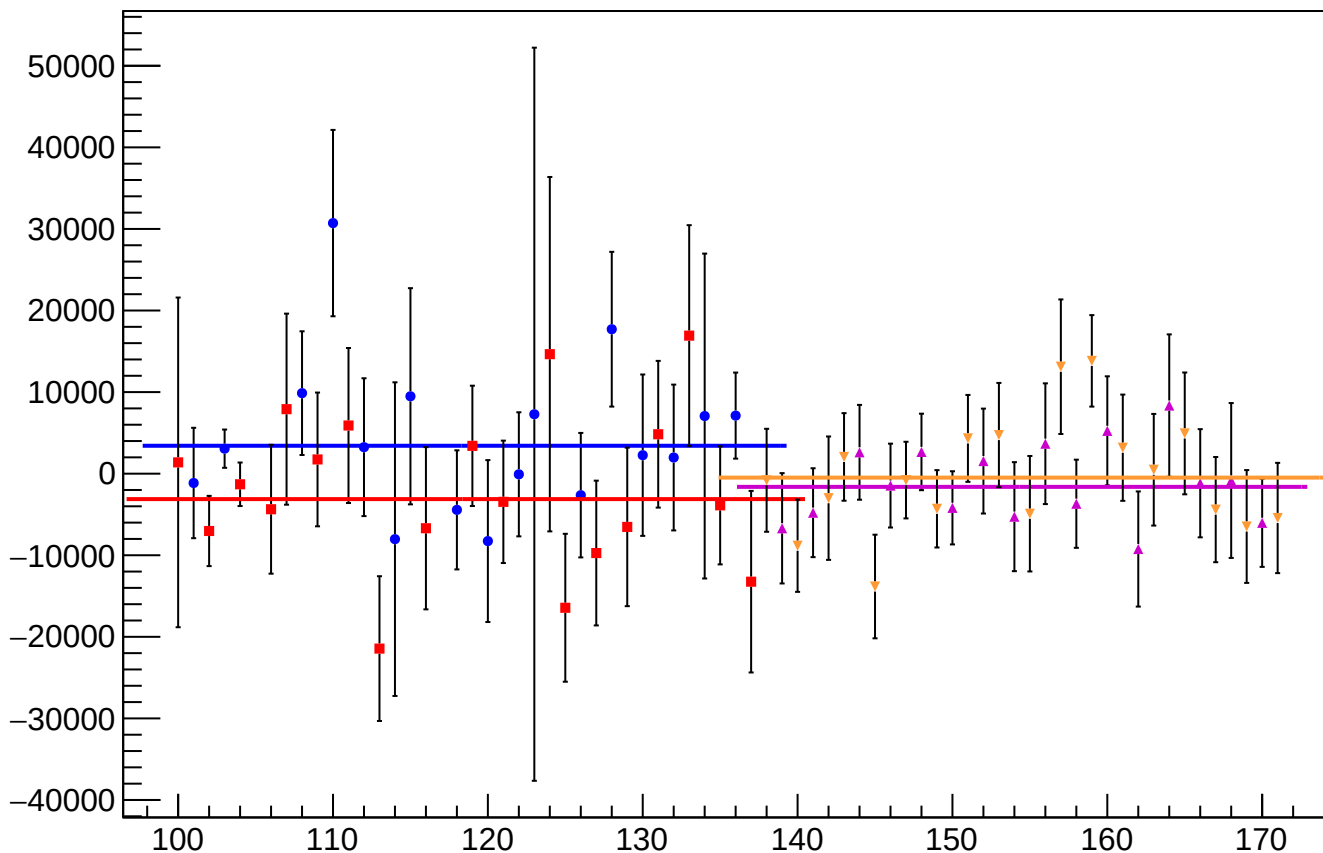
Left In: 4853.981+/-0.992 χ^2/NDF : 941869.0/15

+ sign 2867.544+/-0.561 χ^2/NDF : 13740941.0/34

All: 2793.097+/-0.394 χ^2/NDF : 27744358.7/6

- sign 2720.769+/-0.553 χ^2/NDF : 13968673.7/34

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264 $\pm$ 1606.678 χ^2 /NDF: 13.7/16

Left Out: -483.069 $\pm$ 1444.769 χ^2 /NDF:21.2/17

Right Out: -3117.857 $\pm$ 1605.930 χ^2 /NDF: 16.0/18

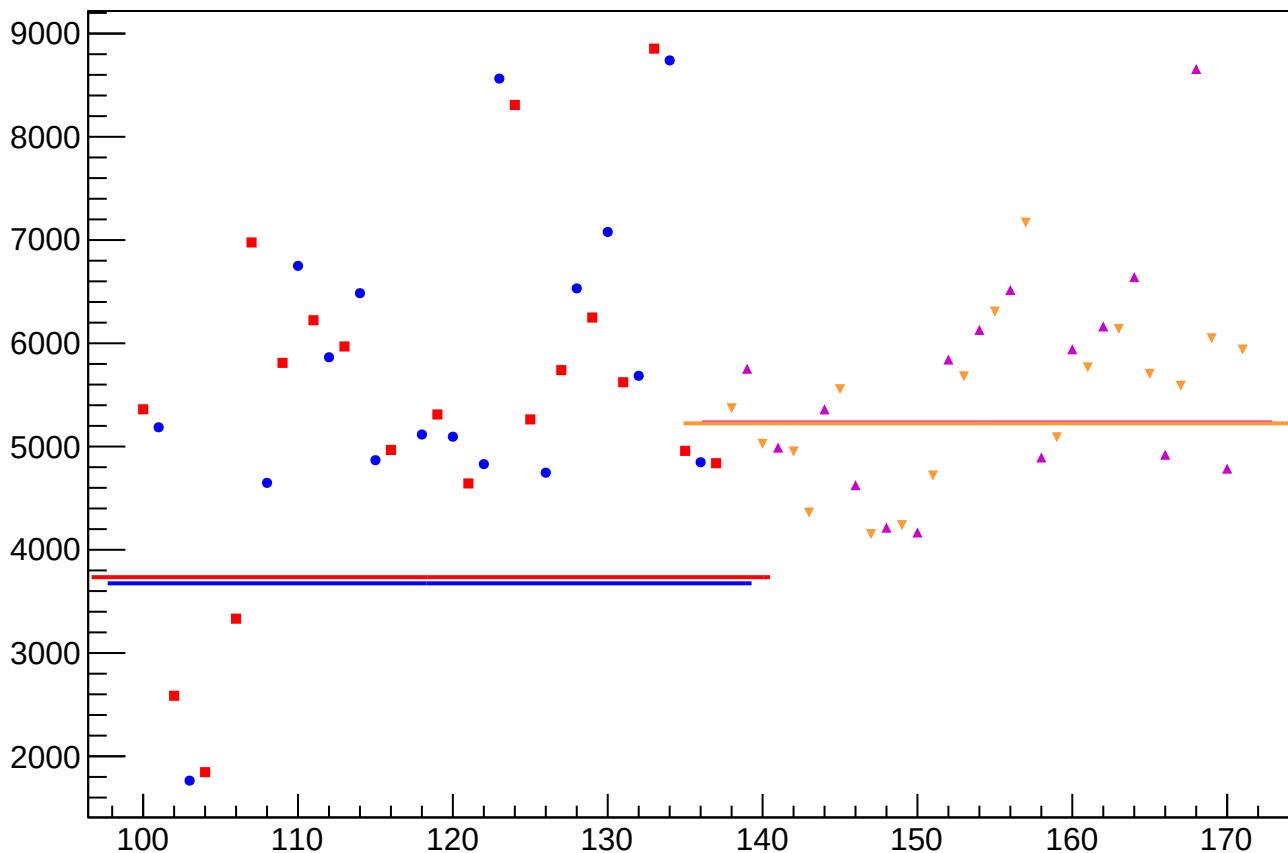
Left In: -1617.149 $\pm$ 1505.858 χ^2 /NDF:8.0/15

+ sign 1262.516 $\pm$ 1074.301 χ^2 /NDF: 38.2/34

All: -488.537 $\pm$ 768.051 χ^2 /NDF: 68.1/69

- sign -2319.291 $\pm$ 1098.478 χ^2 /NDF: 24.5/34

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003 ± 1.136 $\chi^2/\text{NDF}: 2775085.7/16$

Left Out: 5224.780 ± 1.022 $\chi^2/\text{NDF}: 556299.5/17$

Right Out: 3734.796 ± 1.128 $\chi^2/\text{NDF}: 2693929.0/18$

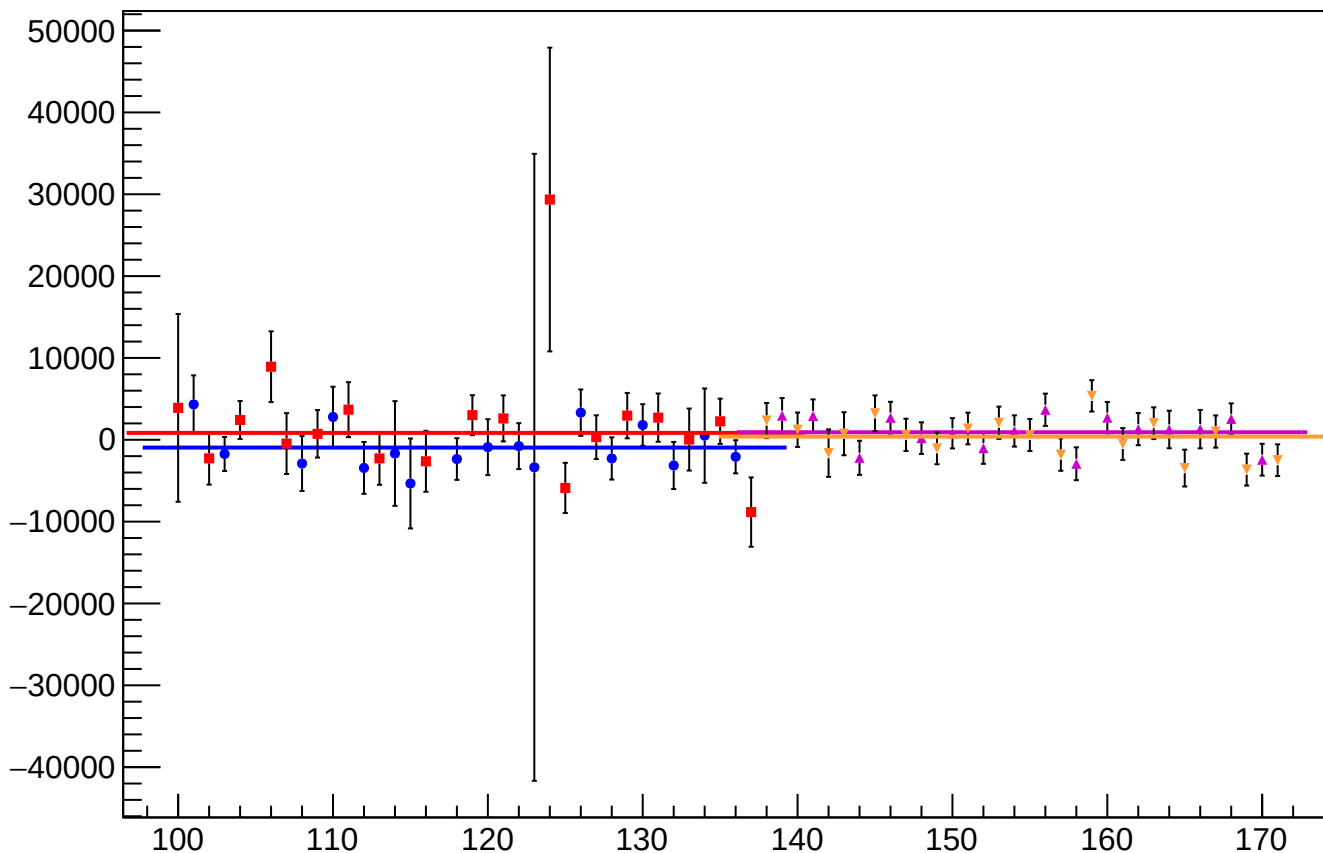
Left In: 5232.980 ± 1.065 $\chi^2/\text{NDF}: 761505.9/15$

+ sign 4531.891 ± 0.760 $\chi^2/\text{NDF}: 4360267.1/34$

All: 4529.515 ± 0.542 $\chi^2/\text{NDF}: 8748527.7/69$

- sign 4527.046 ± 0.774 $\chi^2/\text{NDF}: 4388240.6/34$

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 390.431 ± 484.209 χ^2/NDF : 23.2/17

Right Out: 843.515 ± 737.527 χ^2/NDF : 22.5/18

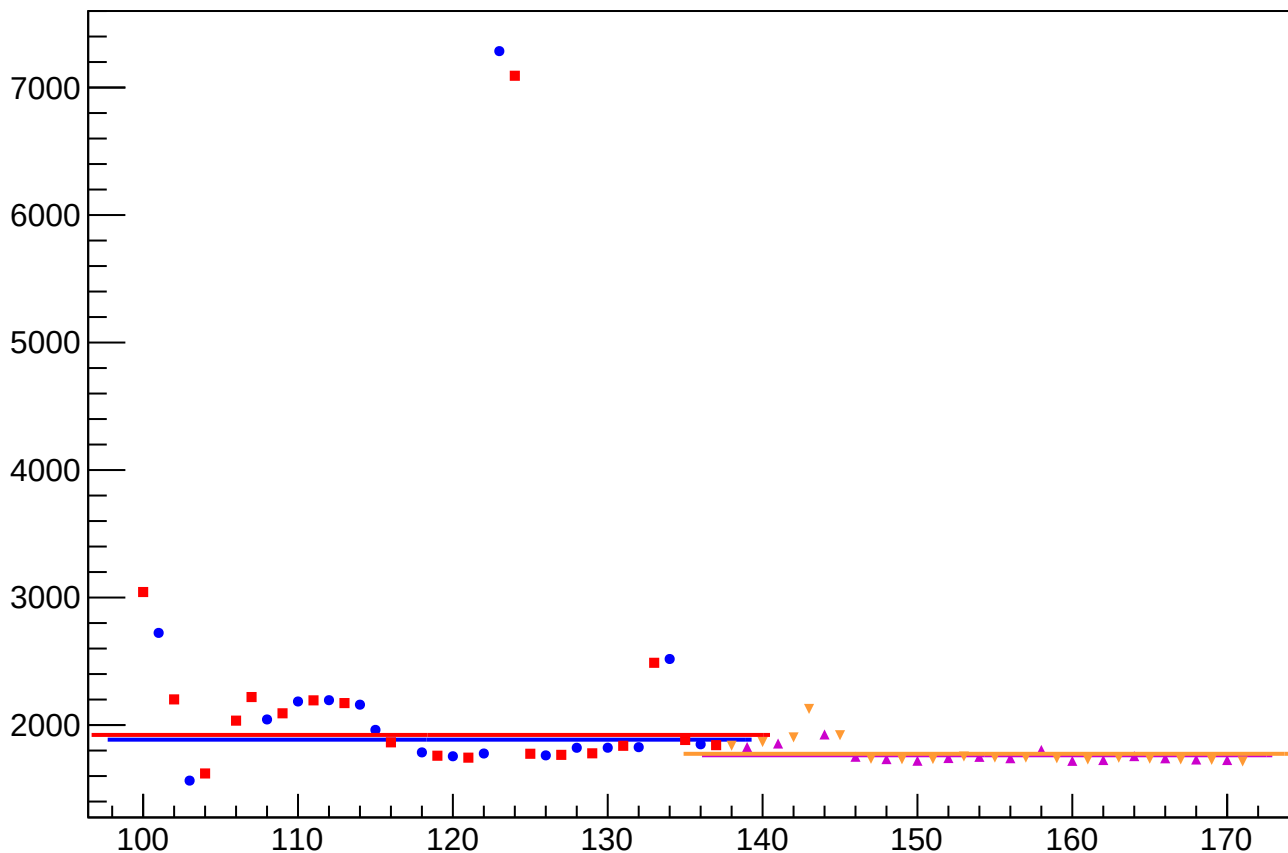
Left In: 918.701 ± 499.399 χ^2/NDF : 16.4/15

+ sign -11.330 ± 405.287 χ^2/NDF : 35.4/34

All: 432.757 ± 289.447 χ^2/NDF : 76.8/69

- sign 895.065 ± 413.518 χ^2/NDF : 38.9/34

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360 ± 0.524 χ^2/NDF : 280429.0/16

Left Out: 1774.443 ± 0.342 χ^2/NDF : 65022.7/17

Right Out: 1922.538 ± 0.521 χ^2/NDF : 351512.1/18

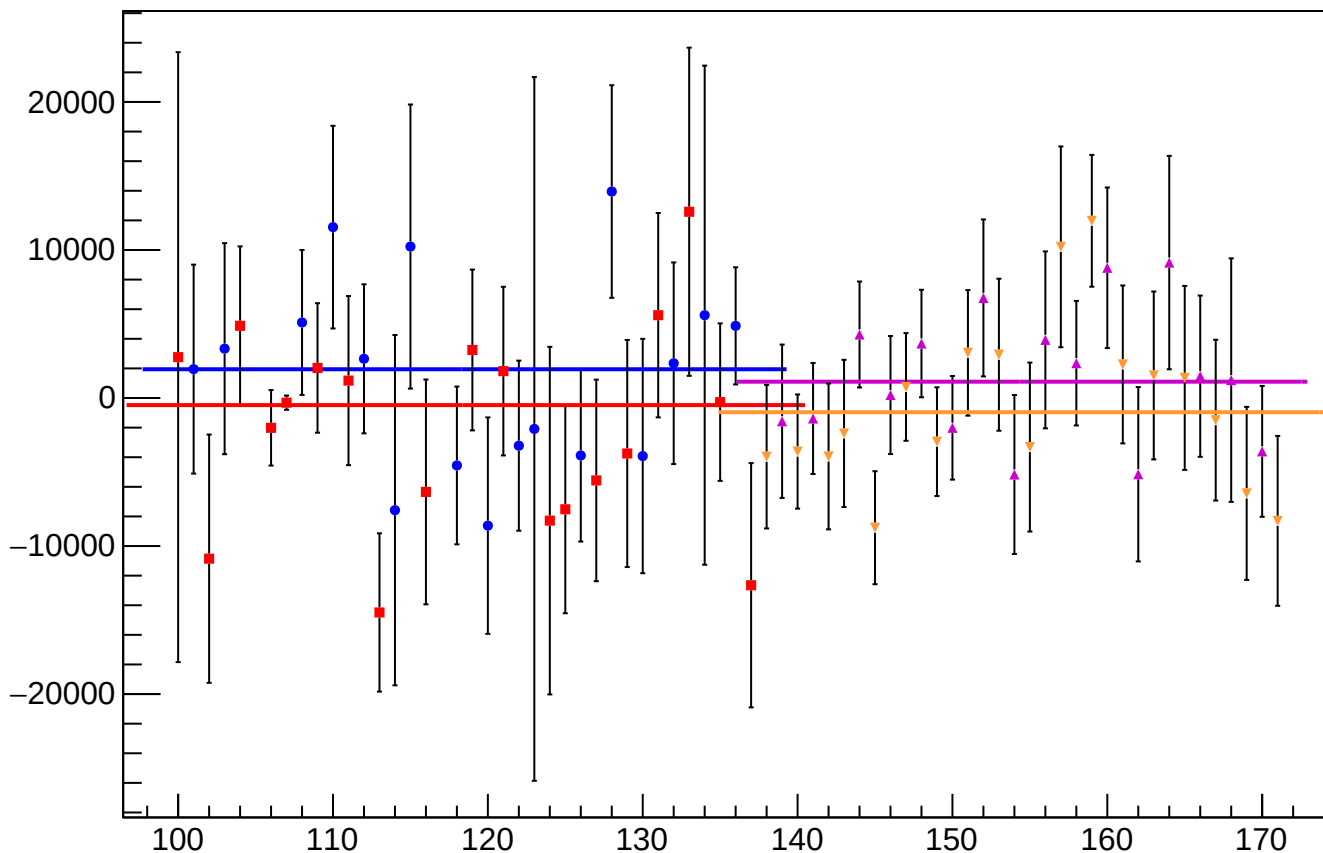
Left In: 1762.967 ± 0.353 χ^2/NDF : 24650.2/15

+ sign 1807.654 ± 0.287 χ^2/NDF : 376874.0/34

All: 1810.391 ± 0.205 χ^2/NDF : 817551.4/69

- sign 1813.238 ± 0.292 χ^2/NDF : 440491.2/34

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -958.580+/-1123.847 χ^2/NDF : 22.0/17

Right Out: -478.828+/-453.684 χ^2/NDF : 18.1/18

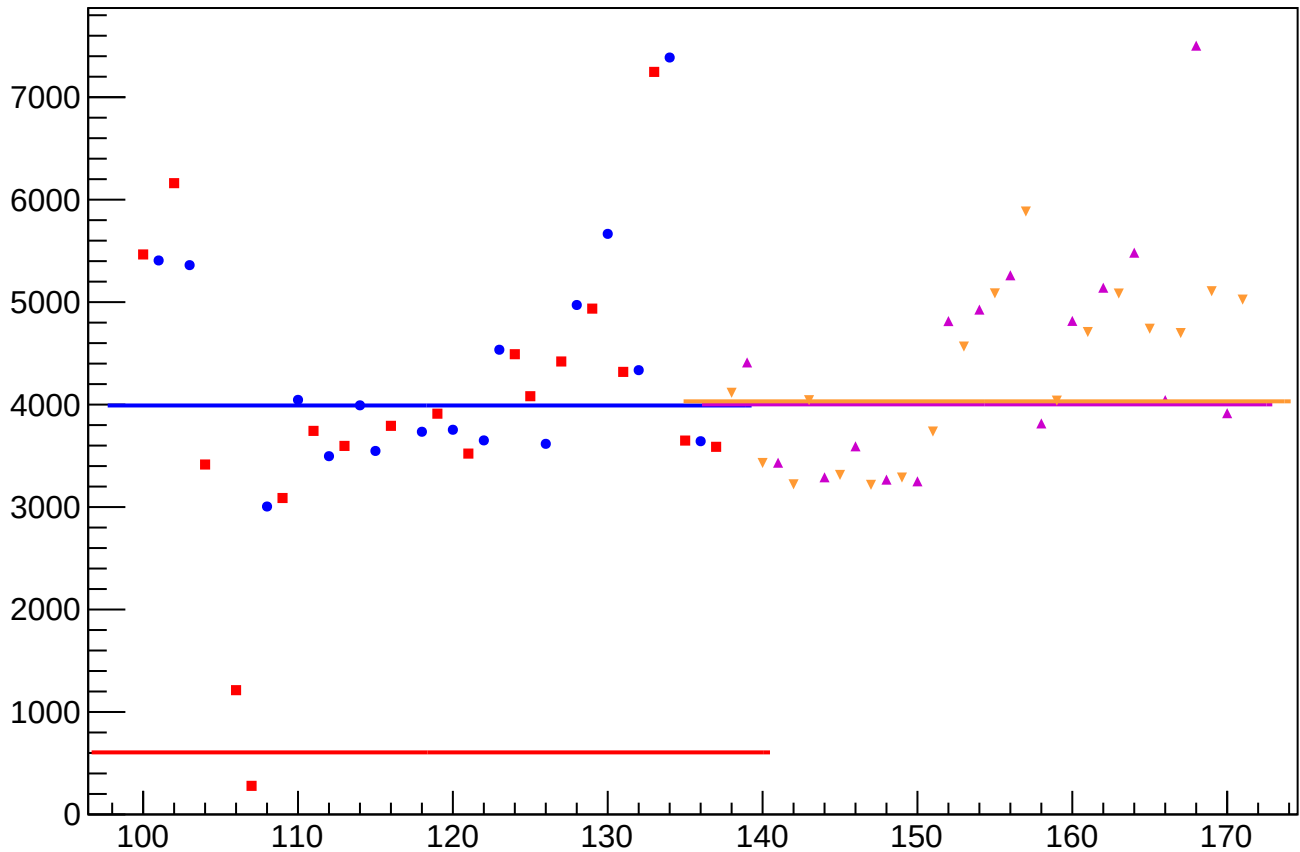
Left In: 1103.390+/-1159.908 χ^2/NDF : 11.2/15

+ sign 15.437+/-916.012 χ^2/NDF : 37.4/34

All: -219.006+/-383.667 χ^2/NDF : 68.4/69

- sign -268.885+/-422.514 χ^2/NDF : 30.9/34

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 4031.796+/-0.795 χ^2/NDF : 889813.0/17

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

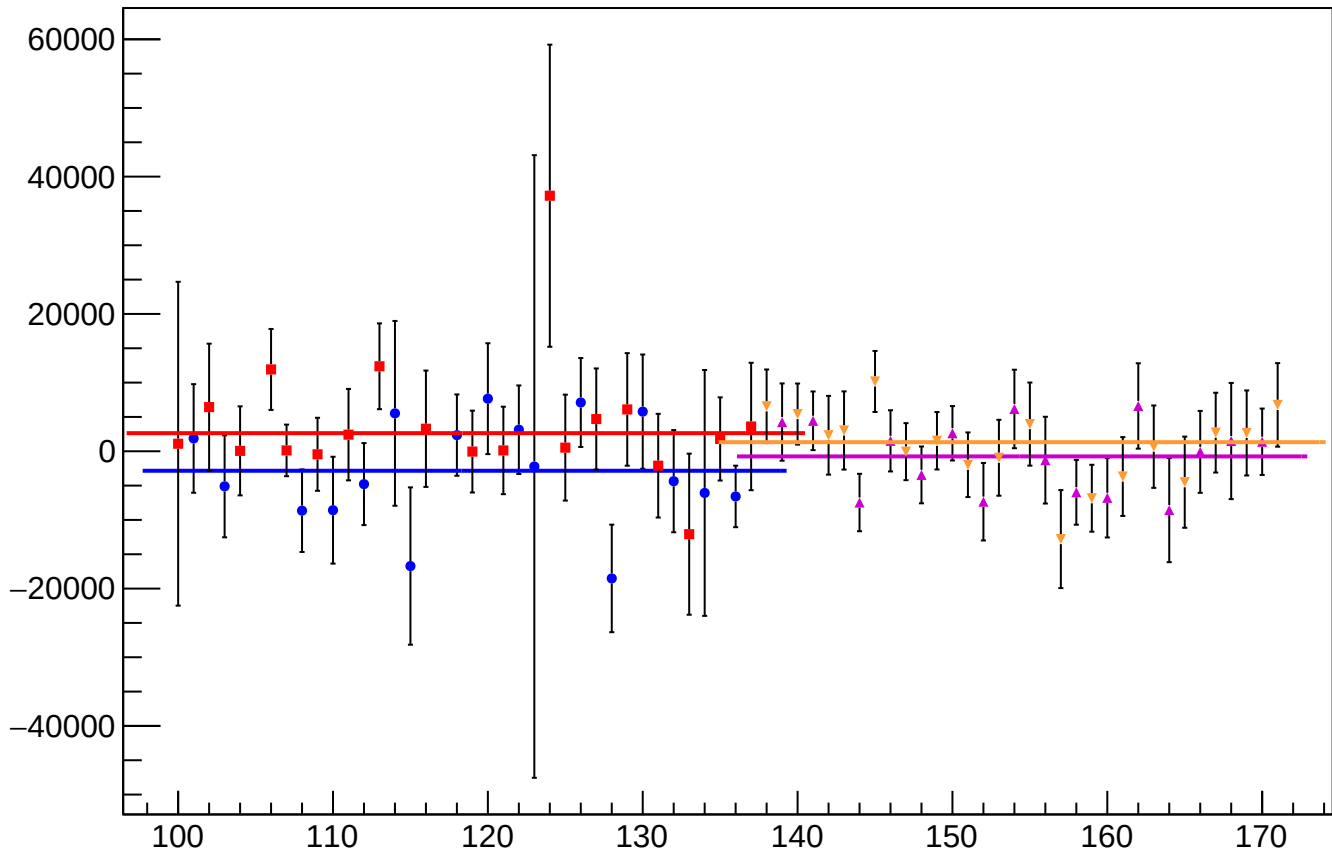
Left In: 4002.184+/-0.820 χ^2/NDF : 1098944.5/15

+ sign 4018.242+/-0.648 χ^2/NDF : 1401462.4/34

All: 1576.003+/-0.271 χ^2/NDF : 44861947.7/6

- sign 1056.403+/-0.299 χ^2/NDF : 26218886.3/34

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599 ± 1786.019 χ^2/NDF : 15.4/16

Left Out: 1323.762 ± 1247.302 χ^2/NDF : 16.0/17

Right Out: 2637.071 ± 1575.105 χ^2/NDF : 11.2/18

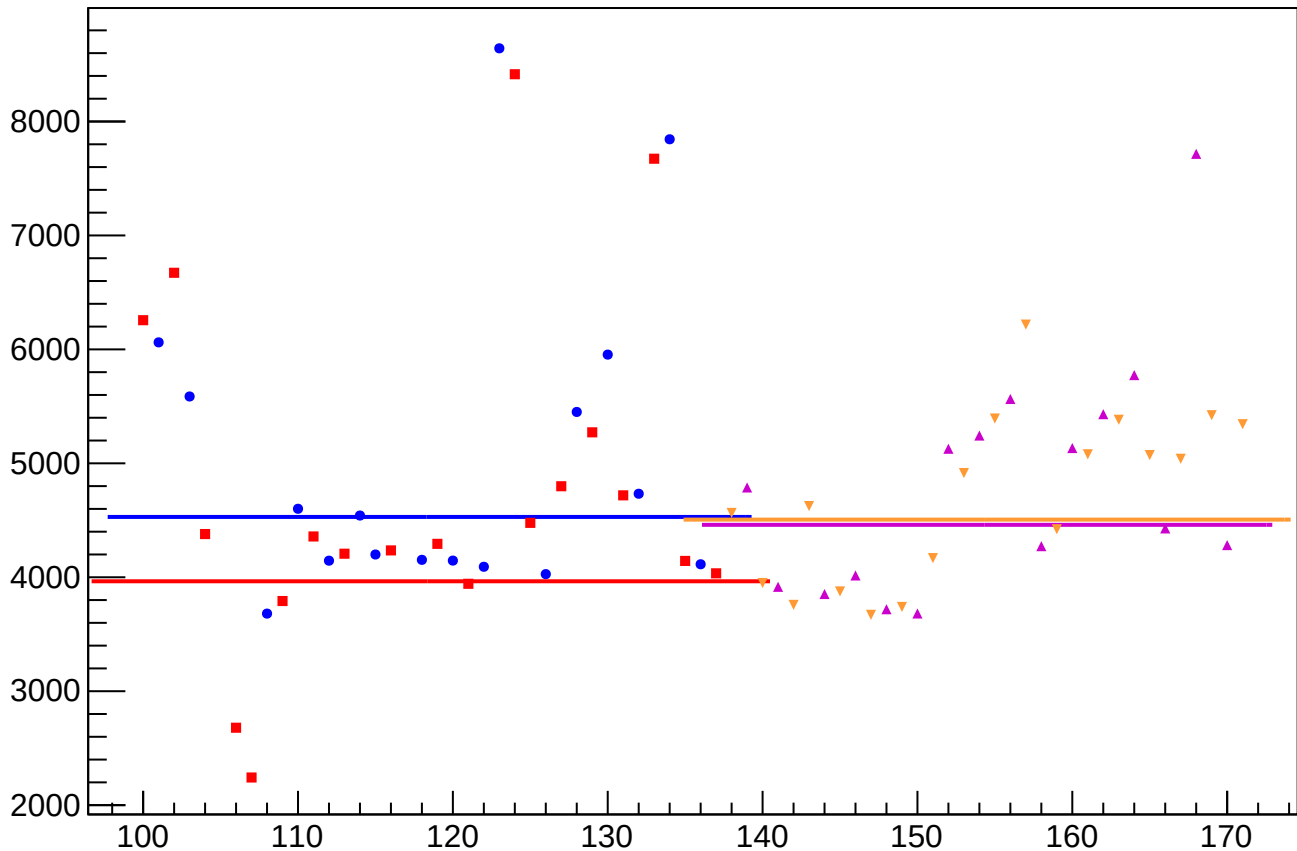
Left In: -749.893 ± 1284.416 χ^2/NDF : 14.1/15

+ sign -41.115 ± 1022.612 χ^2/NDF : 35.1/34

All: 289.521 ± 713.286 χ^2/NDF : 63.4/69

- sign 602.804 ± 995.416 χ^2/NDF : 28.1/34

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4506.027 $\pm$ 0.882 χ^2 /NDF: 610415.7/17

+ sign 4513.710 $\pm$ 0.723 χ^2 /NDF: 999973.3/34

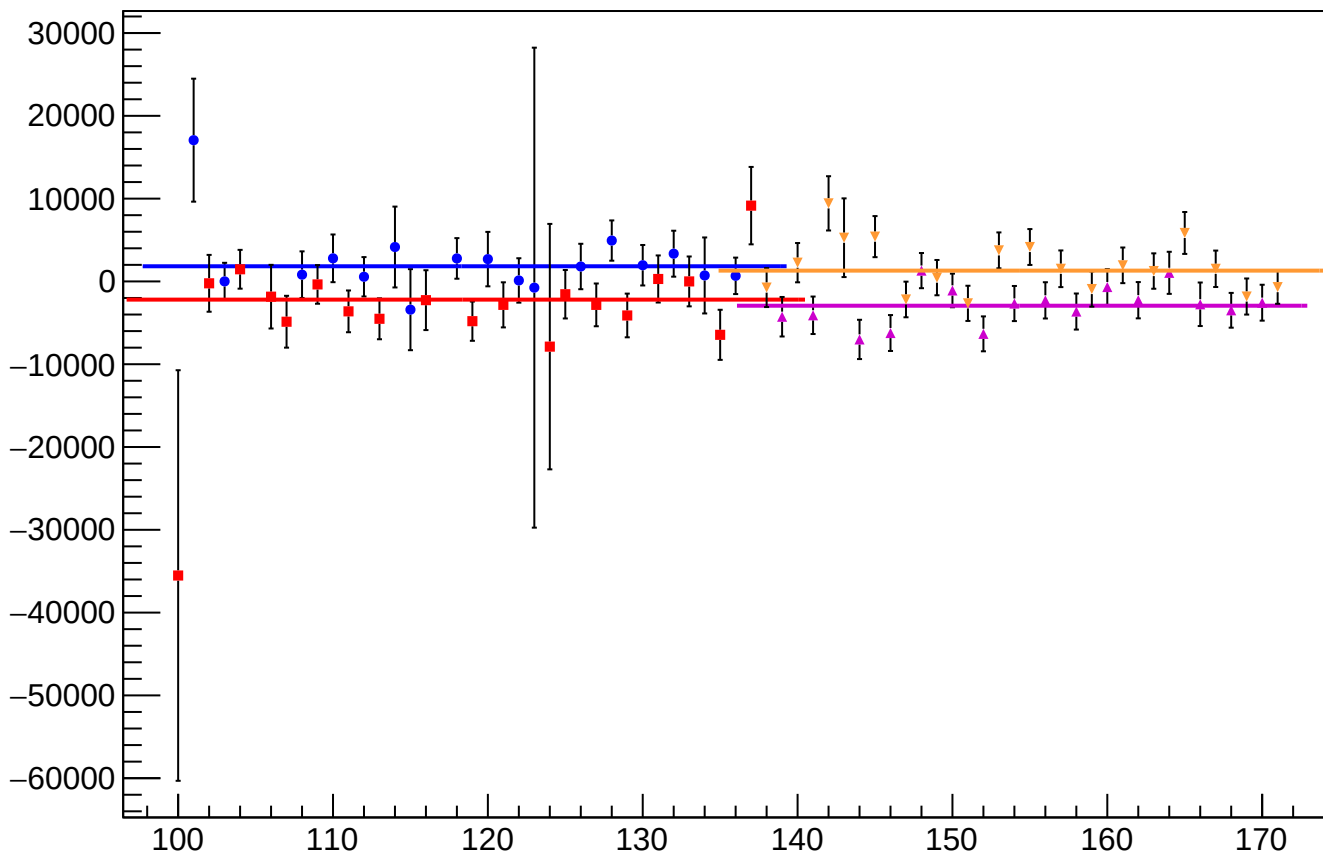
Right Out: 3964.829 $\pm$ 1.107 χ^2 /NDF: 1140409.6/18

All: 4383.560 $\pm$ 0.504 χ^2 /NDF: 3130550.6/69

- sign 4260.873 $\pm$ 0.702 χ^2 /NDF: 2067642.3/34

Left In: 4460.269 $\pm$ 0.908 χ^2 /NDF: 807468.5/15

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102 ± 711.335 χ^2/NDF : 9.7/16

Left Out: 1304.355 ± 540.608 χ^2/NDF : 27.2/17

Right Out: -2198.063 ± 684.205 χ^2/NDF : 18.3/18

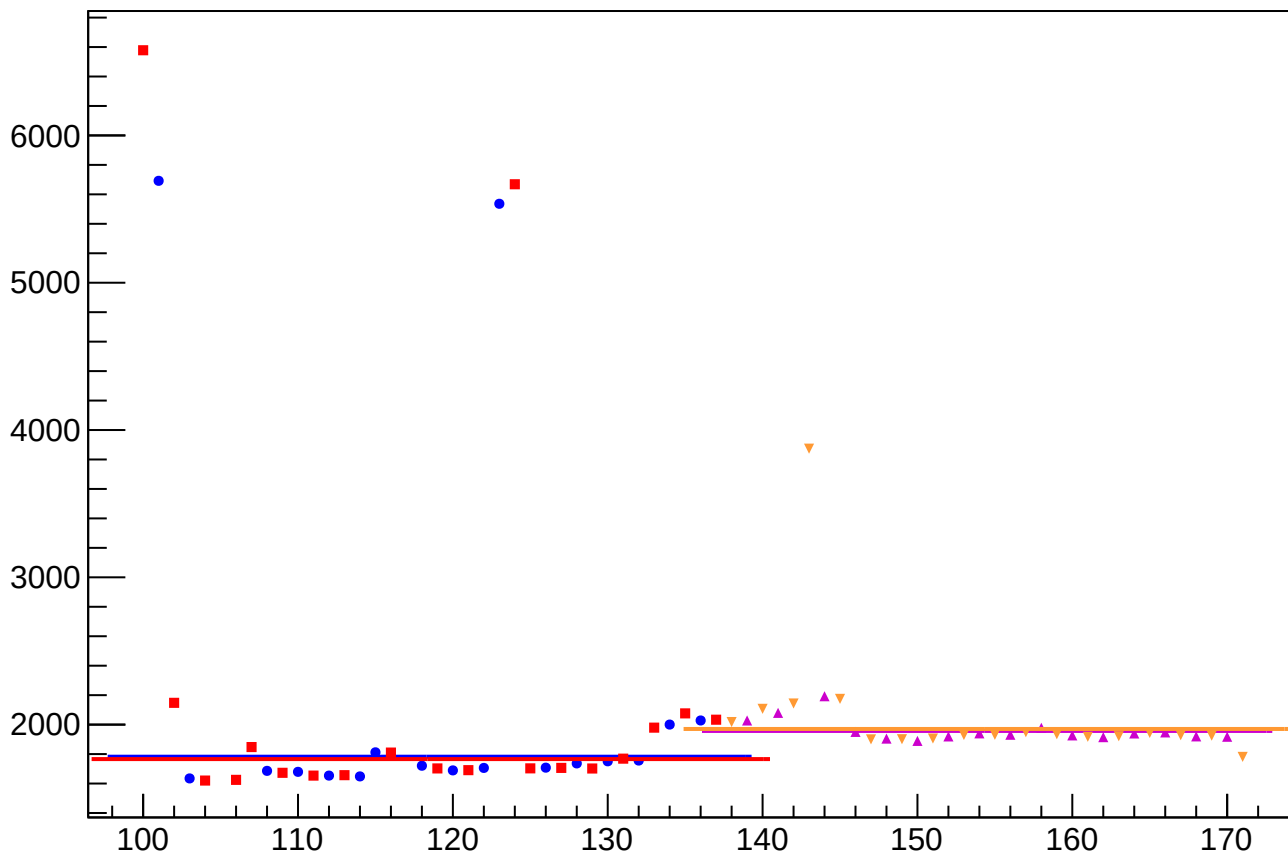
Left In: -2935.014 ± 554.462 χ^2/NDF : 17.2/15

+ sign 1496.842 ± 430.413 χ^2/NDF : 37.2/34

All: -571.293 ± 304.476 χ^2/NDF : 119.7/69

- sign -2642.892 ± 430.774 χ^2/NDF : 36.2/34

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137 $\pm$ 0.503 χ^2 /NDF: 645188.8/16

Left Out: 1970.480 $\pm$ 0.382 χ^2 /NDF: 377313.8/17

Right Out: 1765.967 $\pm$ 0.480 χ^2 /NDF: 306798.2/18

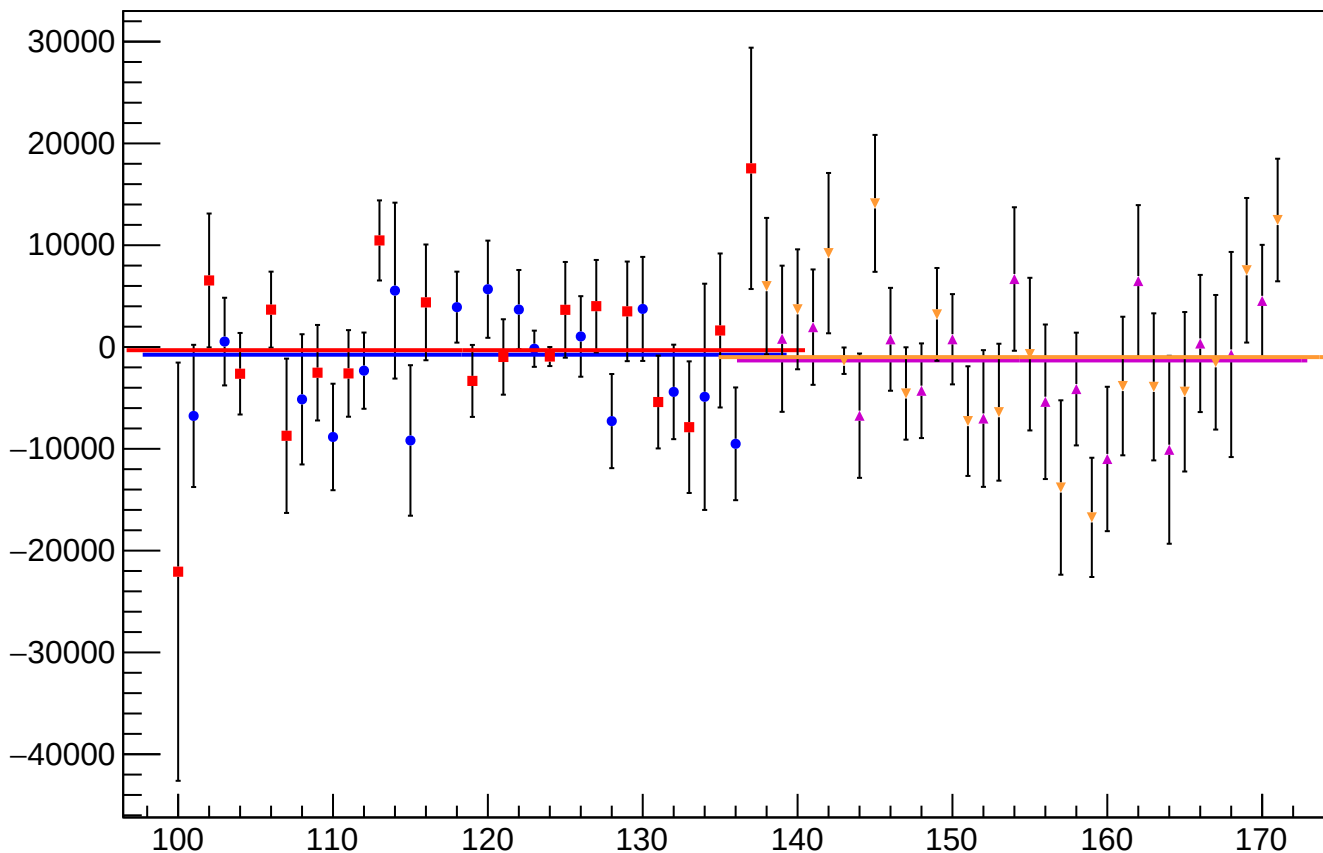
Left In: 1957.082 $\pm$ 0.392 χ^2 /NDF: 34543.4/15

+ sign 1901.524 $\pm$ 0.304 χ^2 /NDF: 1111379.3/34

All: 1891.090 $\pm$ 0.215 χ^2 /NDF: 1550038.2/69

- sign 1880.696 $\pm$ 0.304 χ^2 /NDF: 436313.0/34

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -991.008+/-988.626 χ^2/NDF : 28.4/17

Right Out: -311.405+/-725.132 χ^2/NDF : 22.0/18

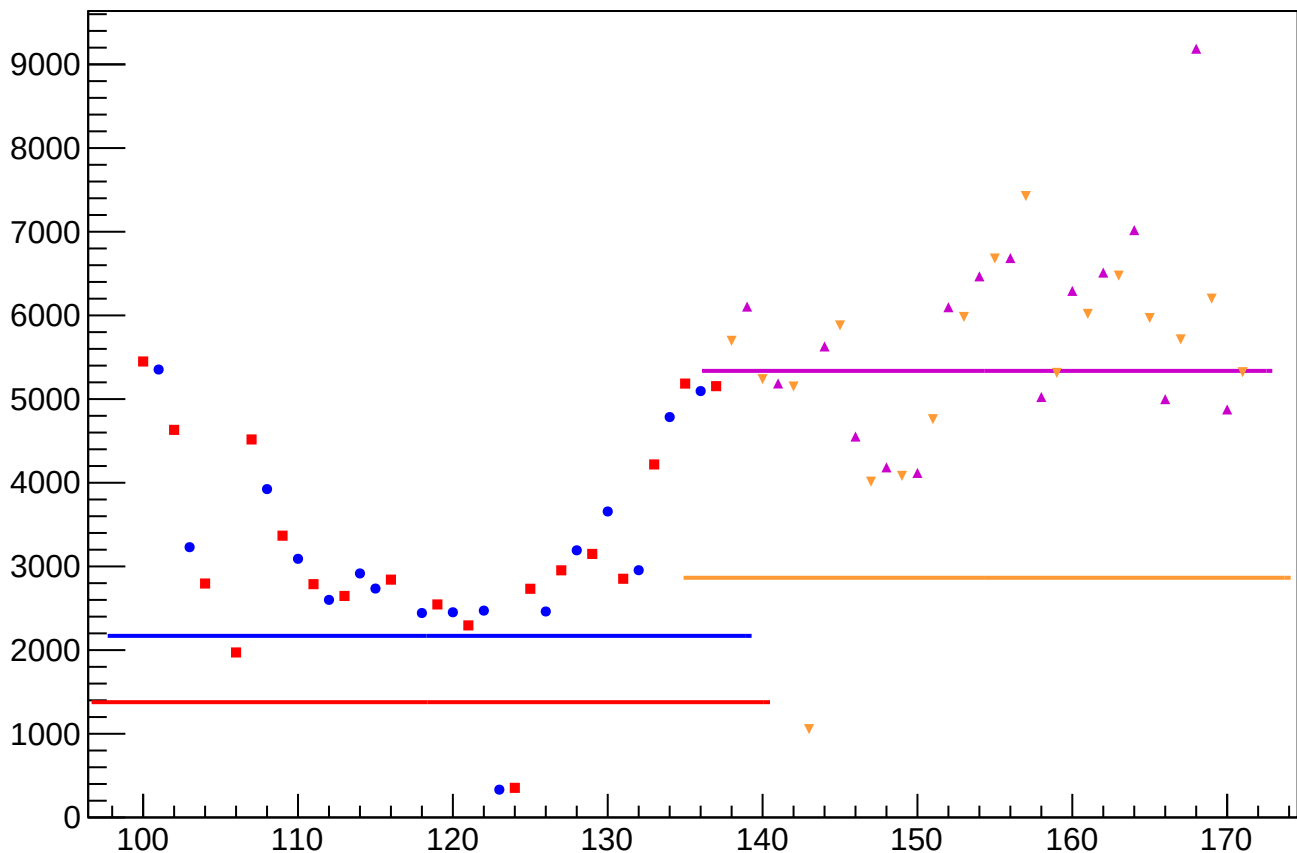
Left In: -1317.392+/-1542.332 χ^2/NDF : 9.6/15

+ sign -874.585+/-705.994 χ^2/NDF : 45.4/34

All: -670.146+/-480.653 χ^2/NDF : 77.5/69

- sign -493.517+/-656.223 χ^2/NDF : 32.0/34

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2864.395+/-0.699 χ^2/NDF :9902673.2/17

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

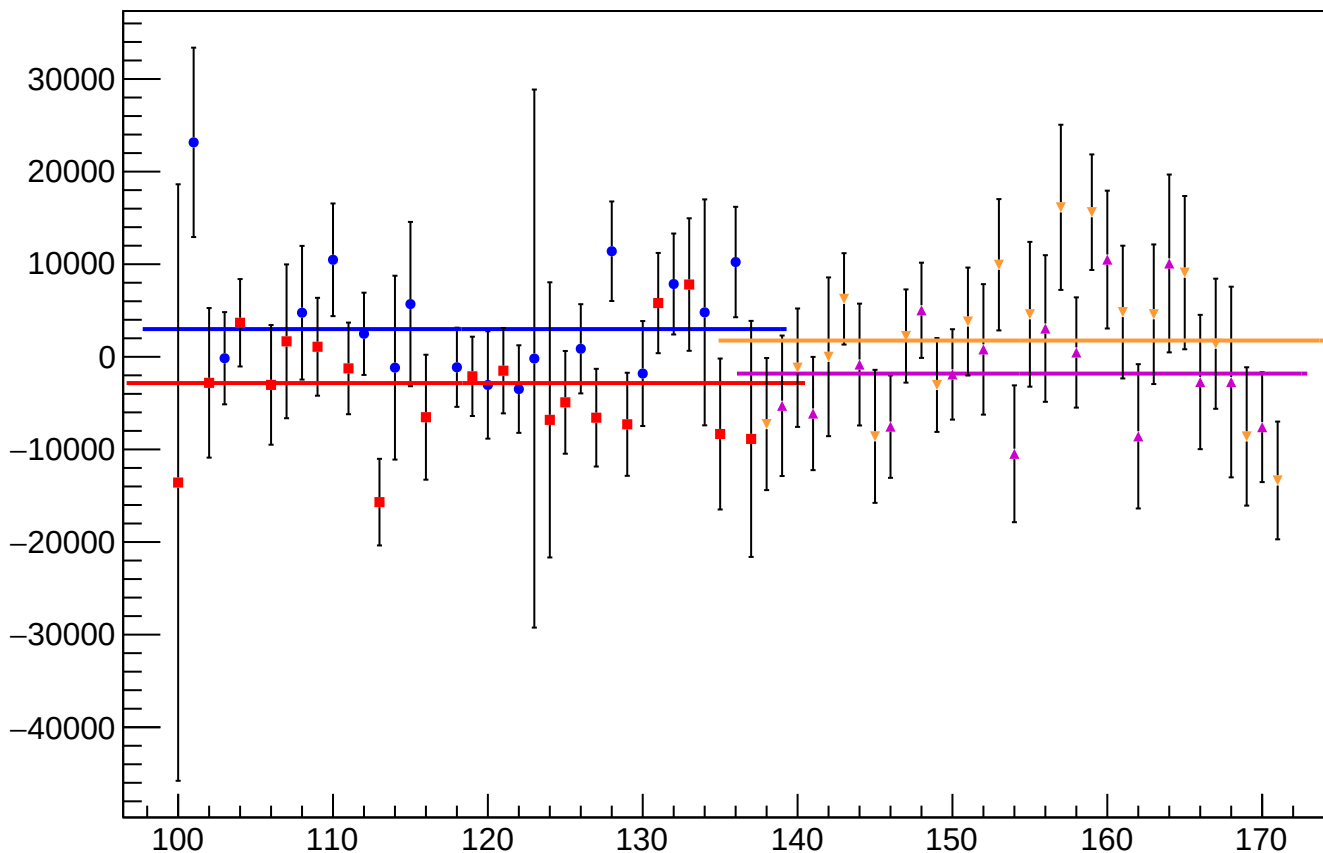
Left In: 5337.075+/-1.091 χ^2/NDF :961491.2/15

+ sign 2524.234+/-0.499 χ^2/NDF : 14359576.5/34

All: 2293.672+/-0.340 χ^2/NDF : 33360213.6/6

- sign 2094.473+/-0.464 χ^2/NDF : 18603041.2/34

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 1759.106 $\pm$ 1552.041 χ^2 /NDF:23.5/17

Right Out: -2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

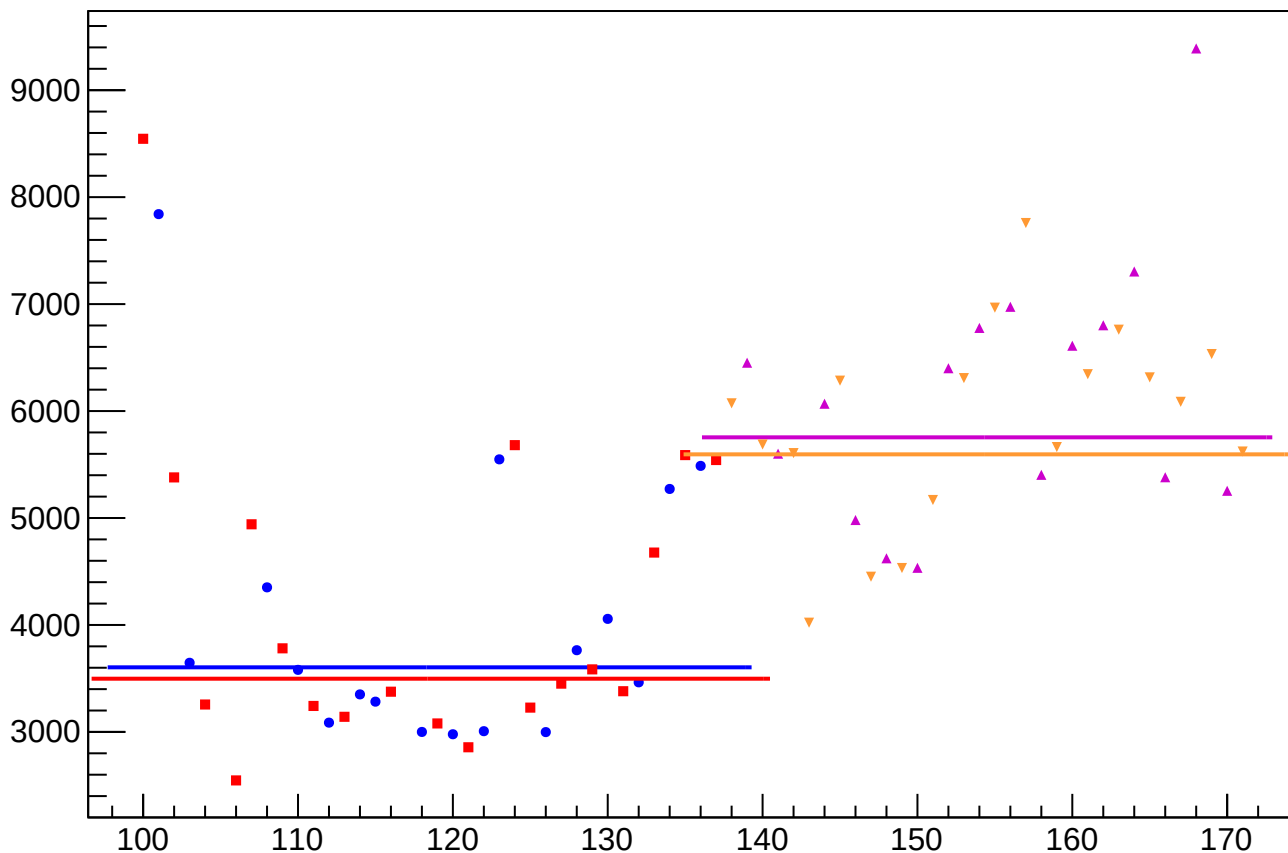
Left In: -1811.918 $\pm$ 1656.109 χ^2 /NDF:11.6/15

+ sign 2419.024 $\pm$ 1058.454 χ^2 /NDF: 39.5/34

All: 4.958 $\pm$ 748.905 χ^2 /NDF: 79.5/69

- sign -2415.116 $\pm$ 1059.770 χ^2 /NDF: 29.6/34

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 χ^2/NDF : 784674.5/16

Left Out: 5595.253 ± 1.097 χ^2/NDF : 759059.2/17

Right Out: 3497.586 ± 0.962 χ^2/NDF : 661898.6/18

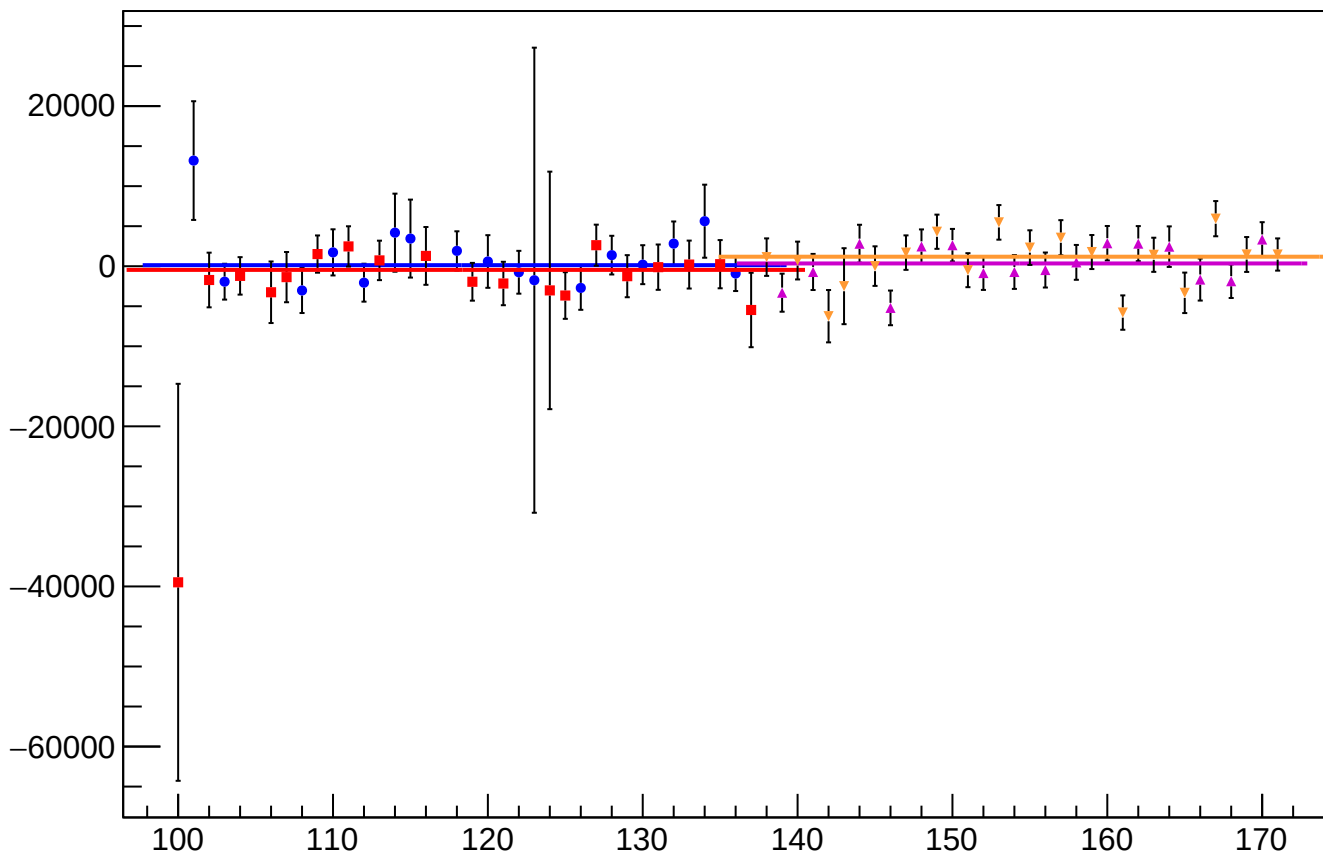
Left In: 5754.235 ± 1.171 χ^2/NDF : 776872.5/15

+ sign 4530.069 ± 0.748 χ^2/NDF : 3304857.7/34

All: 4467.814 ± 0.527 χ^2/NDF : 6975274.2/69

- sign 4406.432 ± 0.743 χ^2/NDF : 3656675.7/34

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1187.536 $\pm$ 539.506 χ^2 /NDF: 32.8/17

Right Out: -459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

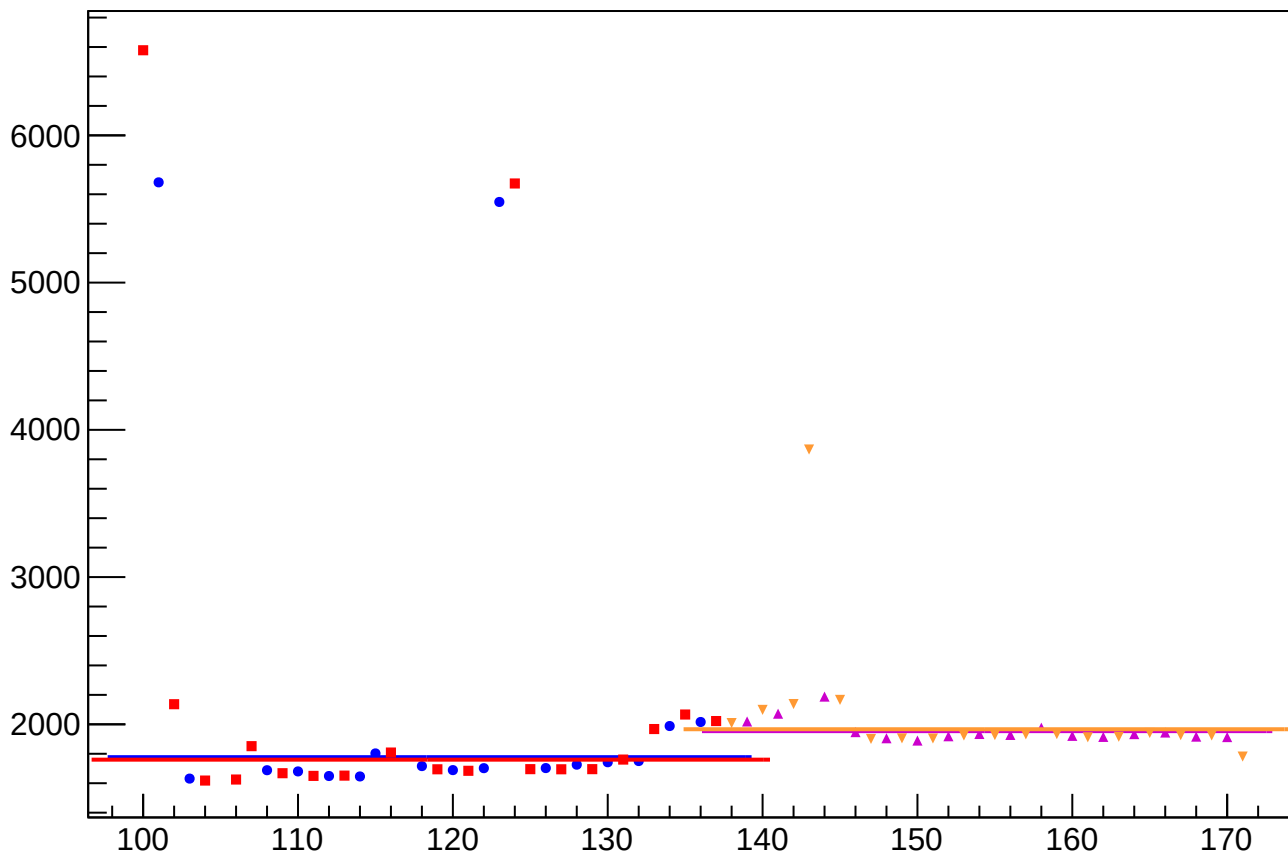
Left In: 345.387 $\pm$ 553.497 χ^2 /NDF: 20.2/15

+ sign 800.216 $\pm$ 429.386 χ^2 /NDF: 46.4/34

All: 413.348 $\pm$ 303.744 χ^2 /NDF: 79.7/69

- sign 25.858 $\pm$ 429.731 χ^2 /NDF: 31.7/34

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879 $\pm$ 0.501 χ^2/NDF : 643576.8/16

Left Out: 1966.622 $\pm$ 0.381 χ^2/NDF : 374837.5/17

Right Out: 1759.990 $\pm$ 0.479 χ^2/NDF : 306154.6/18

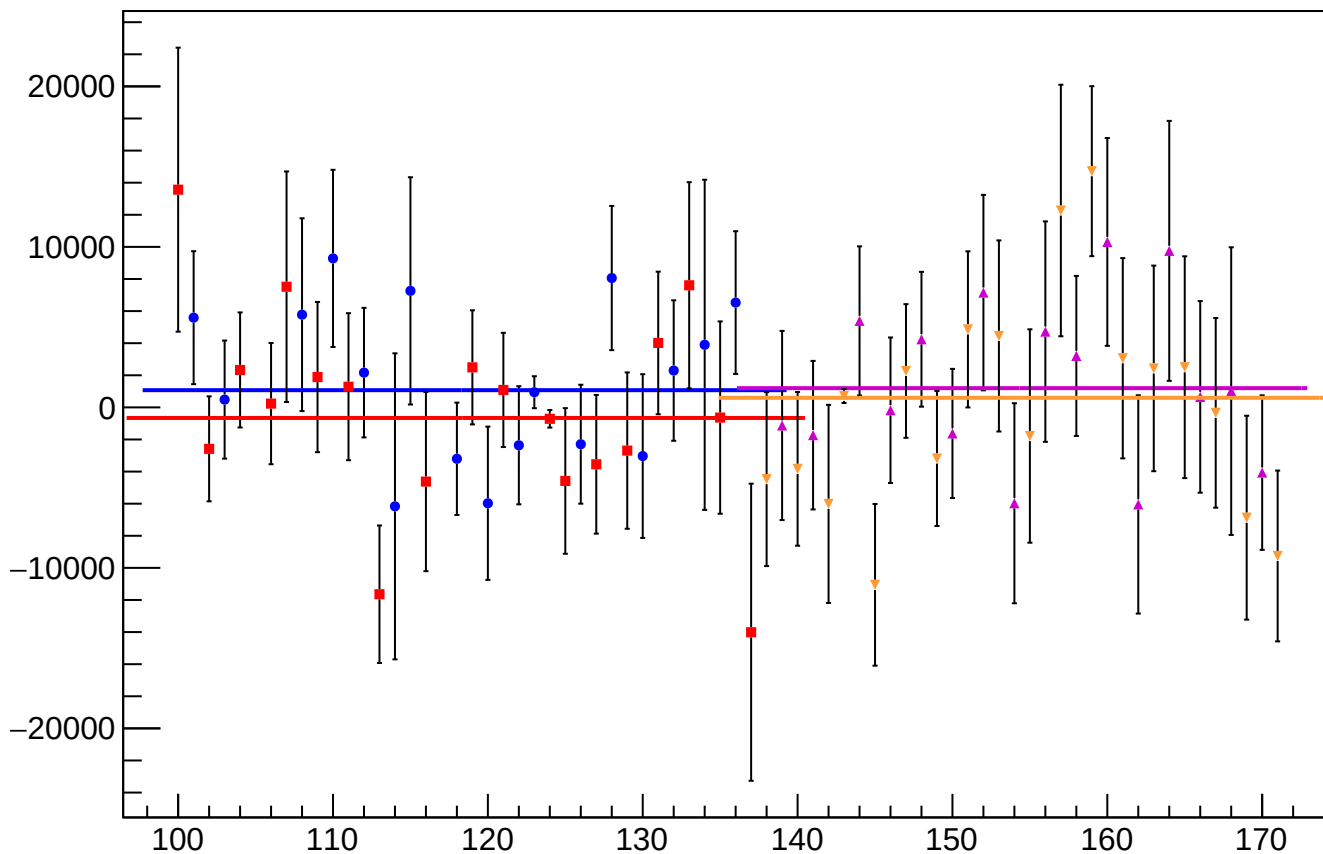
Left In: 1953.736 $\pm$ 0.391 χ^2/NDF : 33493.0/15

+ sign 1897.069 $\pm$ 0.304 χ^2/NDF : 1109095.7/34

All: 1886.586 $\pm$ 0.214 χ^2/NDF : 1549264.4/69

- sign 1876.143 $\pm$ 0.303 χ^2/NDF : 437789.2/34

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194 $\pm$ 752.280 χ^2 /NDF: 15.6/16

Left Out: 596.664 $\pm$ 416.903 χ^2 /NDF: 25.1/17

Right Out: -658.759 $\pm$ 488.034 χ^2 /NDF: 19.8/18

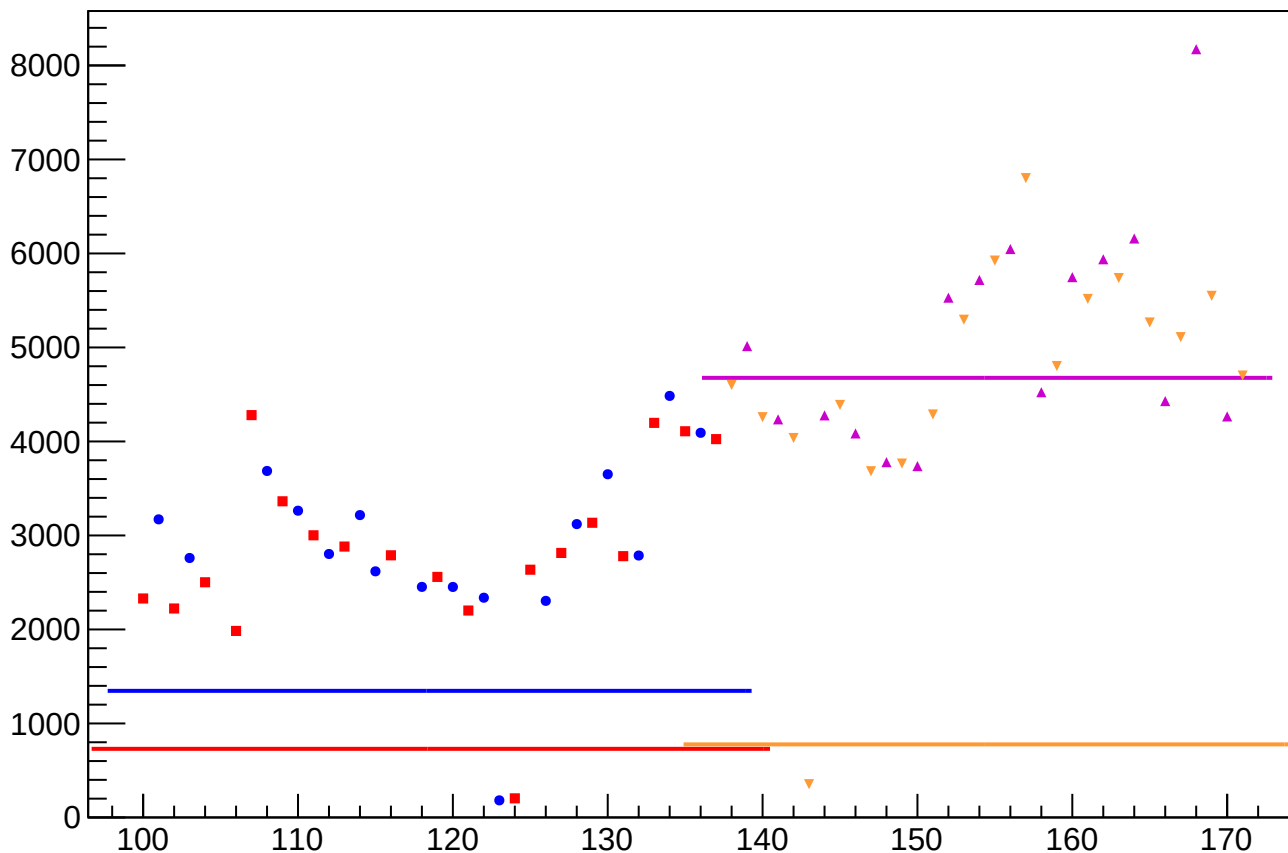
Left In: 1198.389 $\pm$ 1351.468 χ^2 /NDF: 10.6/15

+ sign 708.395 $\pm$ 364.651 χ^2 /NDF: 40.9/34

All: 262.320 $\pm$ 285.522 χ^2 /NDF: 76.9/69

- sign -444.518 $\pm$ 459.022 χ^2 /NDF: 32.1/34

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 777.348 $\pm$ 0.295 χ^2 /NDF: 19701254.0/17

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

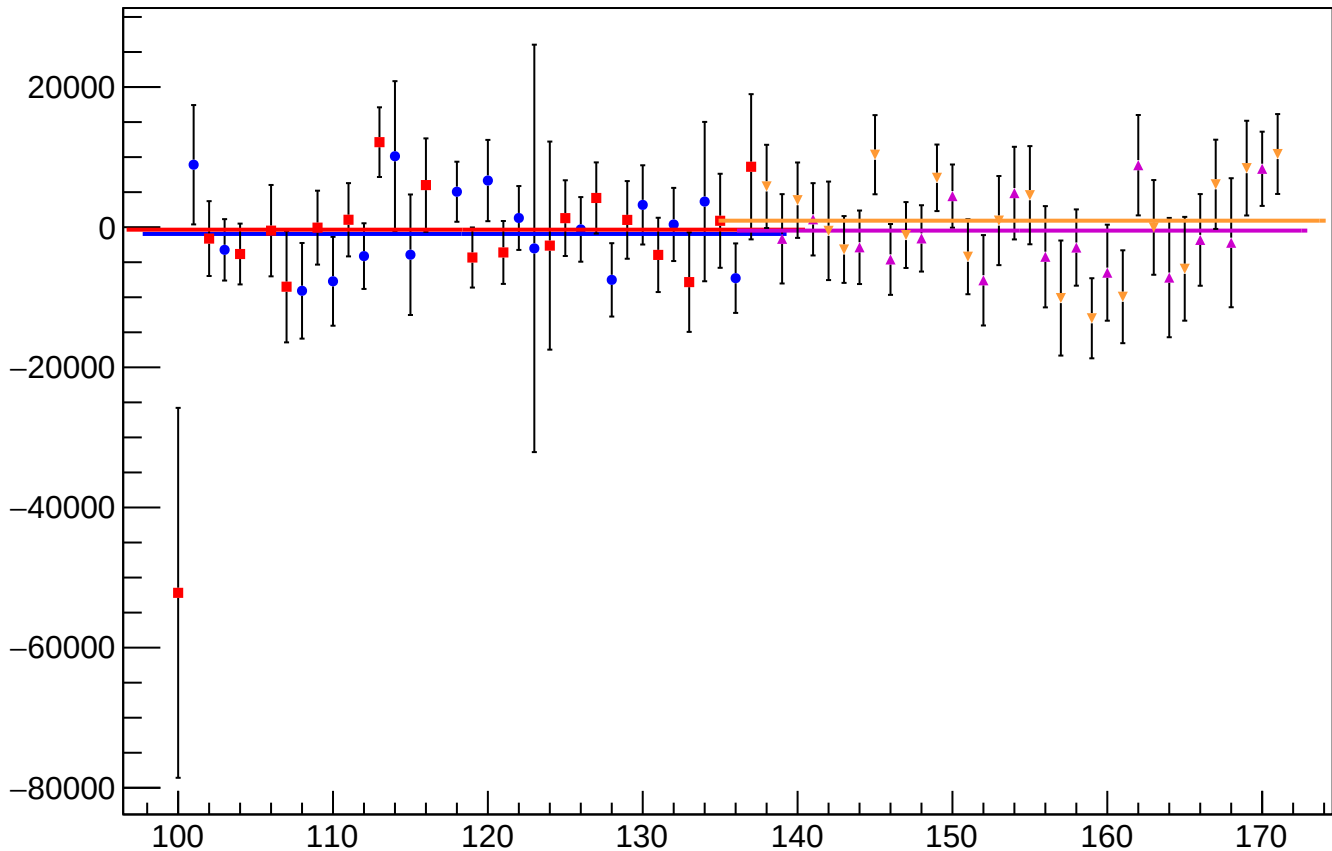
Left In: 4676.714 $\pm$ 0.956 χ^2 /NDF: 963300.2/15

+ sign 911.155 $\pm$ 0.258 χ^2 /NDF: 27417213.7/34

All: 1017.263 $\pm$ 0.202 χ^2 /NDF: 53409266.5/6

- sign 1185.398 $\pm$ 0.325 χ^2 /NDF: 25554372.4/34

asym_atr1l2_dd_mean vs Slug



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 929.315 ± 1395.112 χ^2/NDF : 23.6/17

Right Out: -354.646 ± 1329.760 χ^2/NDF : 17.6/18

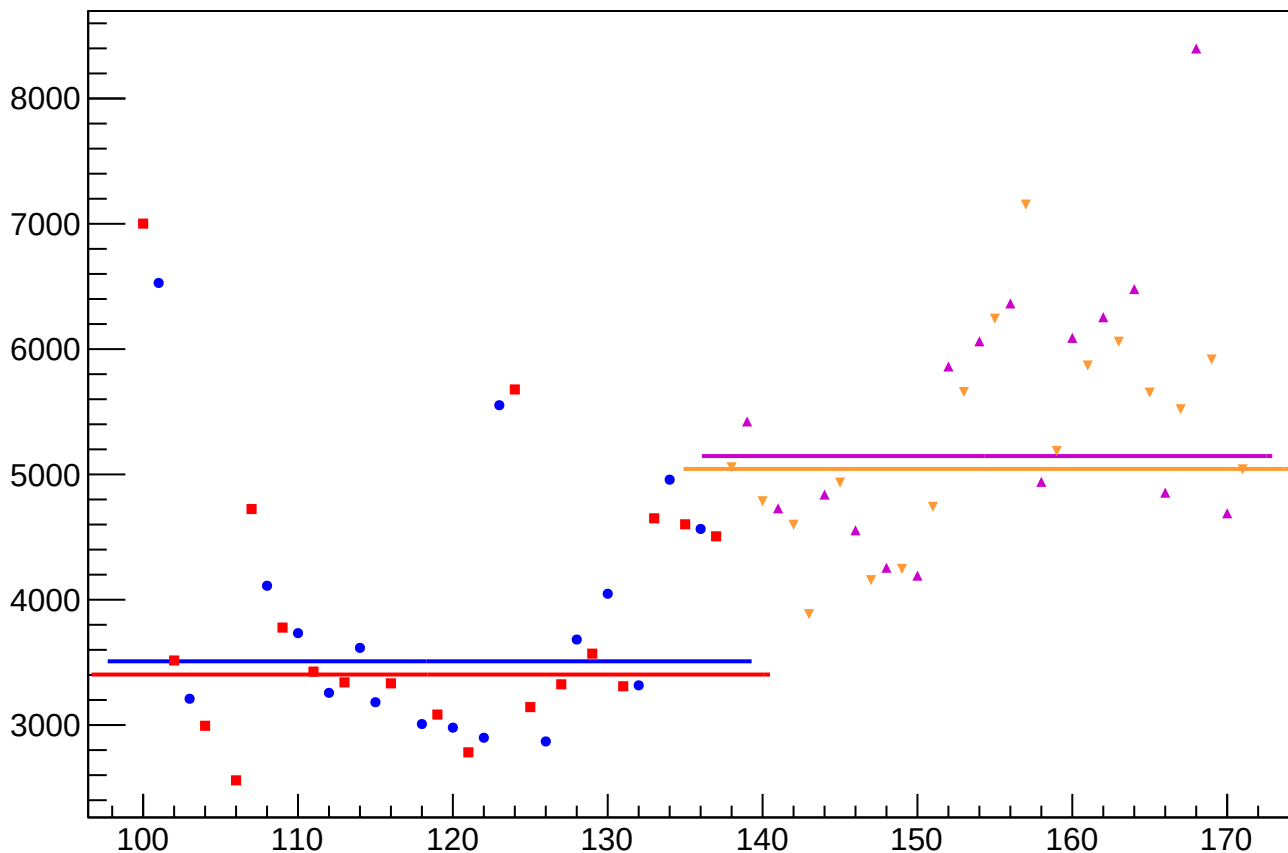
Left In: -487.100 ± 1479.833 χ^2/NDF : 10.5/15

+ sign -17.069 ± 986.675 χ^2/NDF : 38.2/34

All: -214.957 ± 698.539 χ^2/NDF : 66.4/69

- sign -413.818 ± 989.097 χ^2/NDF : 28.1/34

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 5043.941+/-0.986 χ^2/NDF : 610620.8/17

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

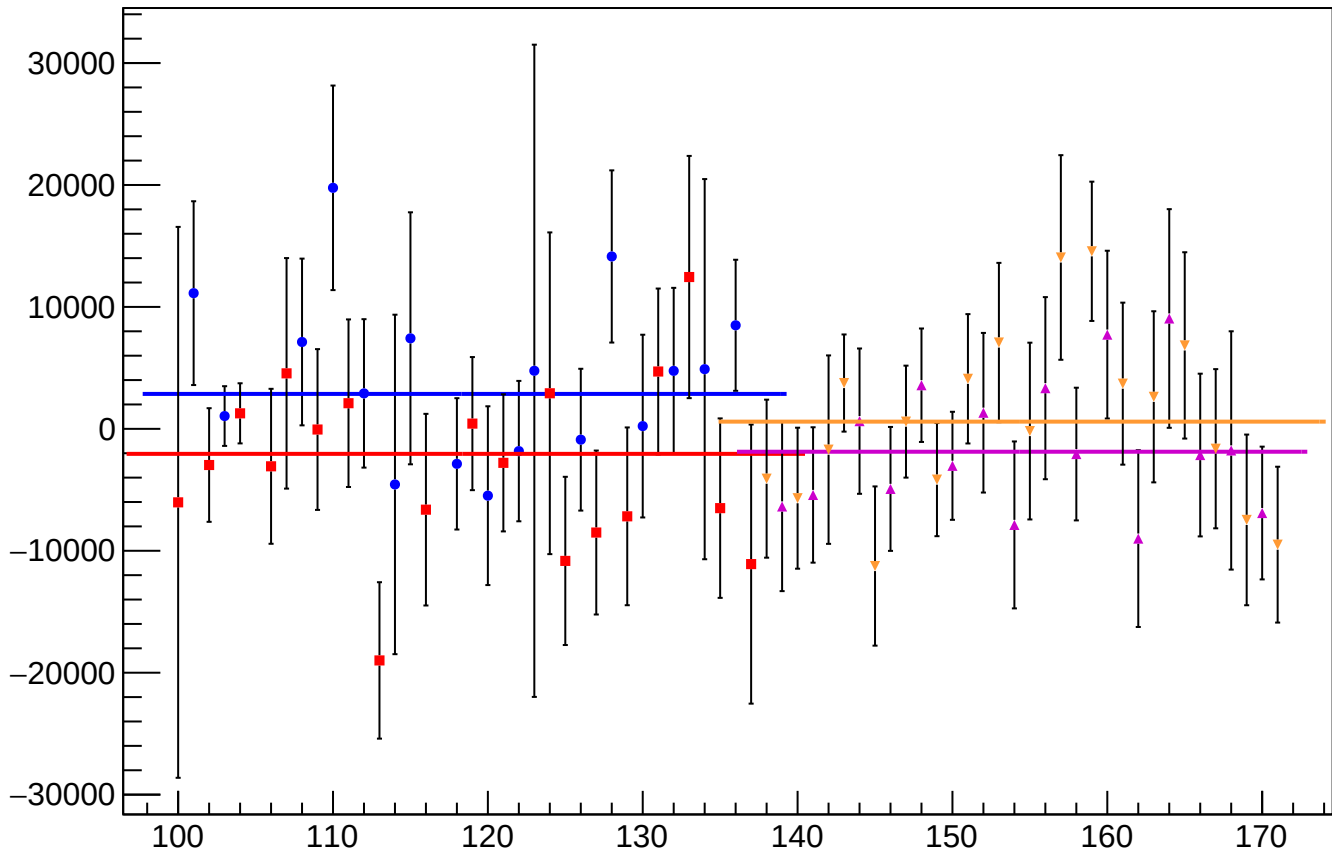
Left In: 5146.570+/-1.046 χ^2/NDF : 737396.5/15

+ sign 4276.490+/-0.698 χ^2/NDF : 2383695.1/34

All: 4223.311+/-0.492 χ^2/NDF : 5115358.0/69

- sign 4170.640+/-0.694 χ^2/NDF : 2720098.9/34

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 591.816+/-1411.193 χ^2/NDF : 21.7/17

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

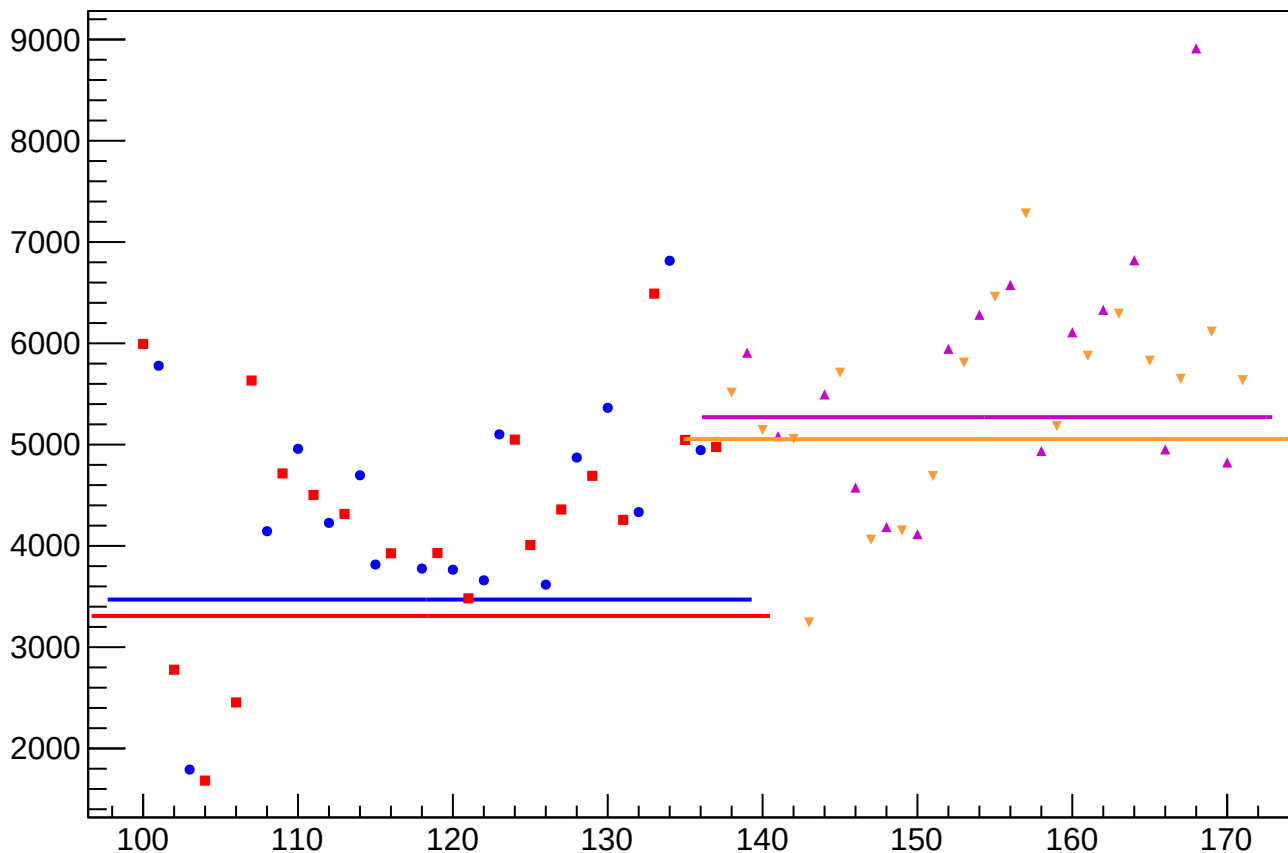
Left In: -1876.893+/-1519.975 χ^2/NDF : 9.6/15

+ sign 1695.391+/-1012.206 χ^2/NDF : 37.0/34

All: -120.179+/-719.300 χ^2/NDF : 70.7/69

- sign -1972.348+/-1022.357 χ^2/NDF : 27.2/34

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 5054.207+/-0.998 χ^2/NDF : 1058839.2/17

Right Out: 3308.243+/-0.968 χ^2/NDF : 1910782.0/18

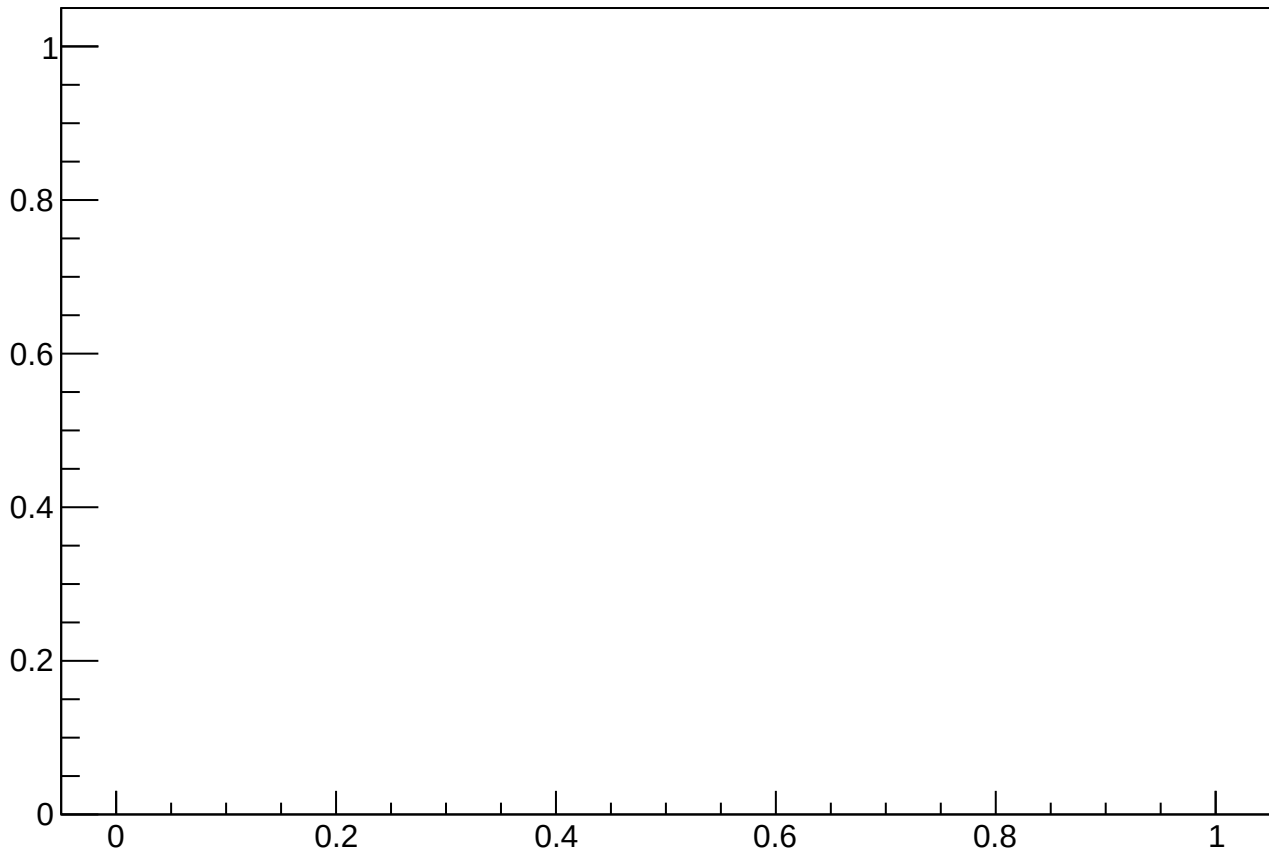
Left In: 5270.945+/-1.075 χ^2/NDF : 865426.6/15

+ sign 4285.037+/-0.716 χ^2/NDF : 4043414.2/34

All: 4236.396+/-0.507 χ^2/NDF : 8670142.3/69

- sign 4187.272+/-0.719 χ^2/NDF : 4617445.0/34

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: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

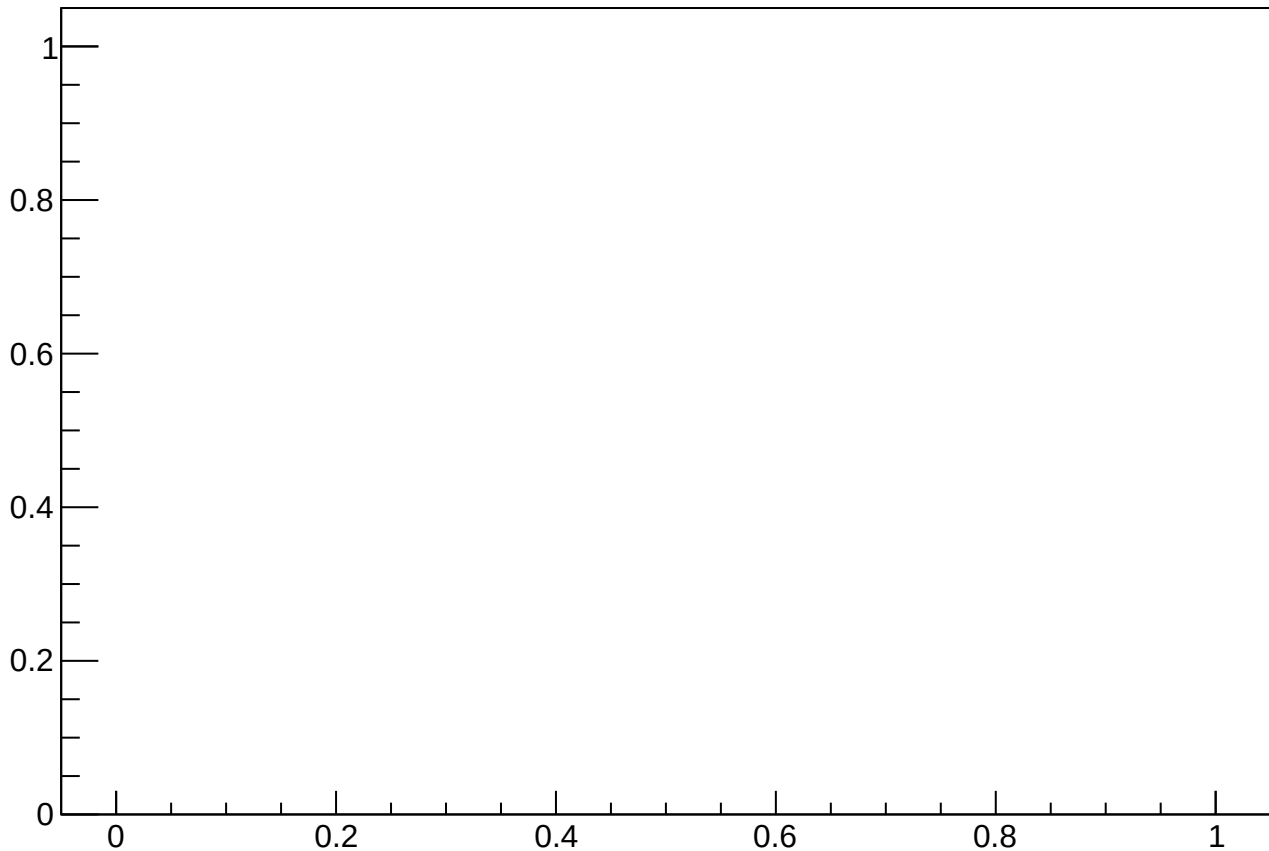
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

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: 0.000+/-0.000 χ^2/NDF : 0.0/0

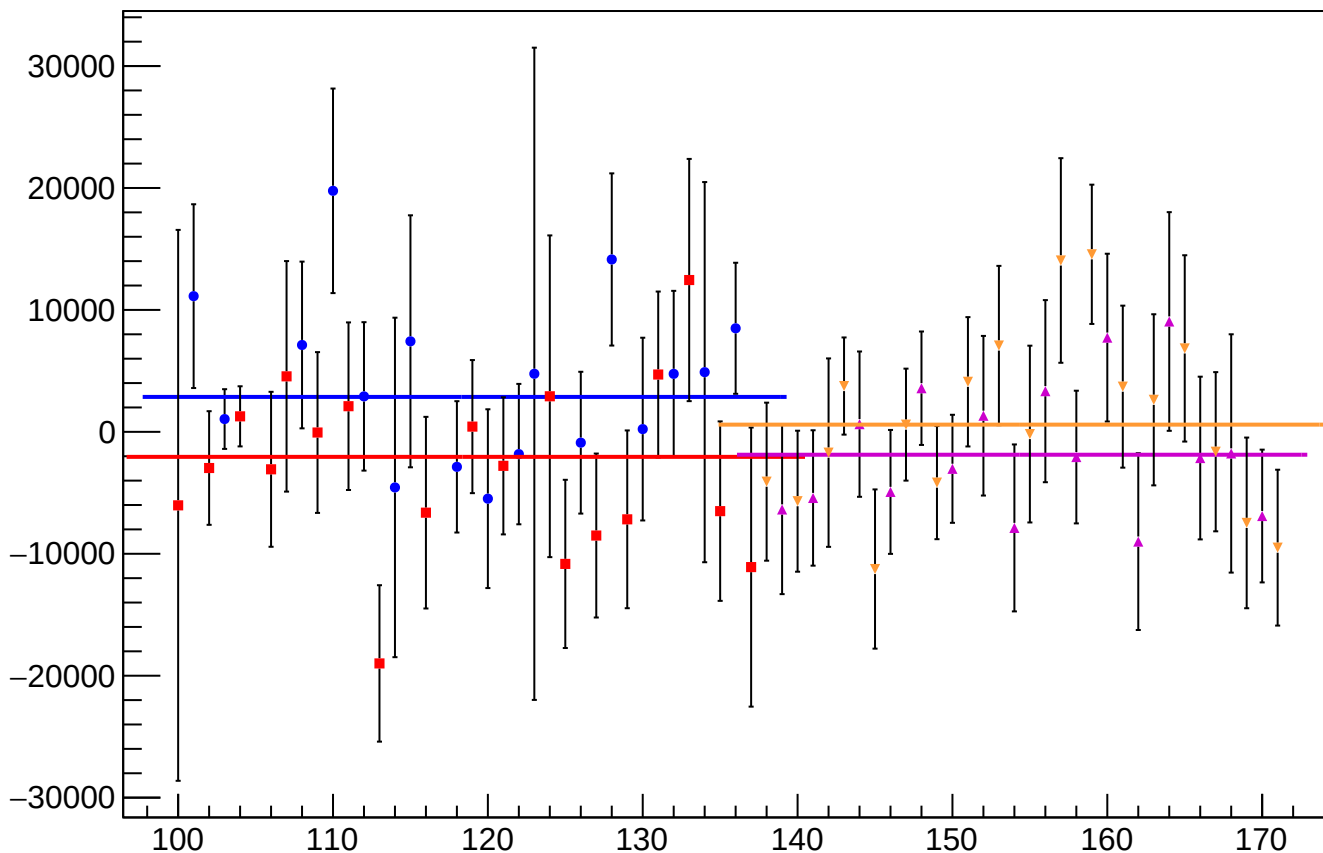
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 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: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 591.816+/-1411.193 χ^2/NDF : 21.7/17

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

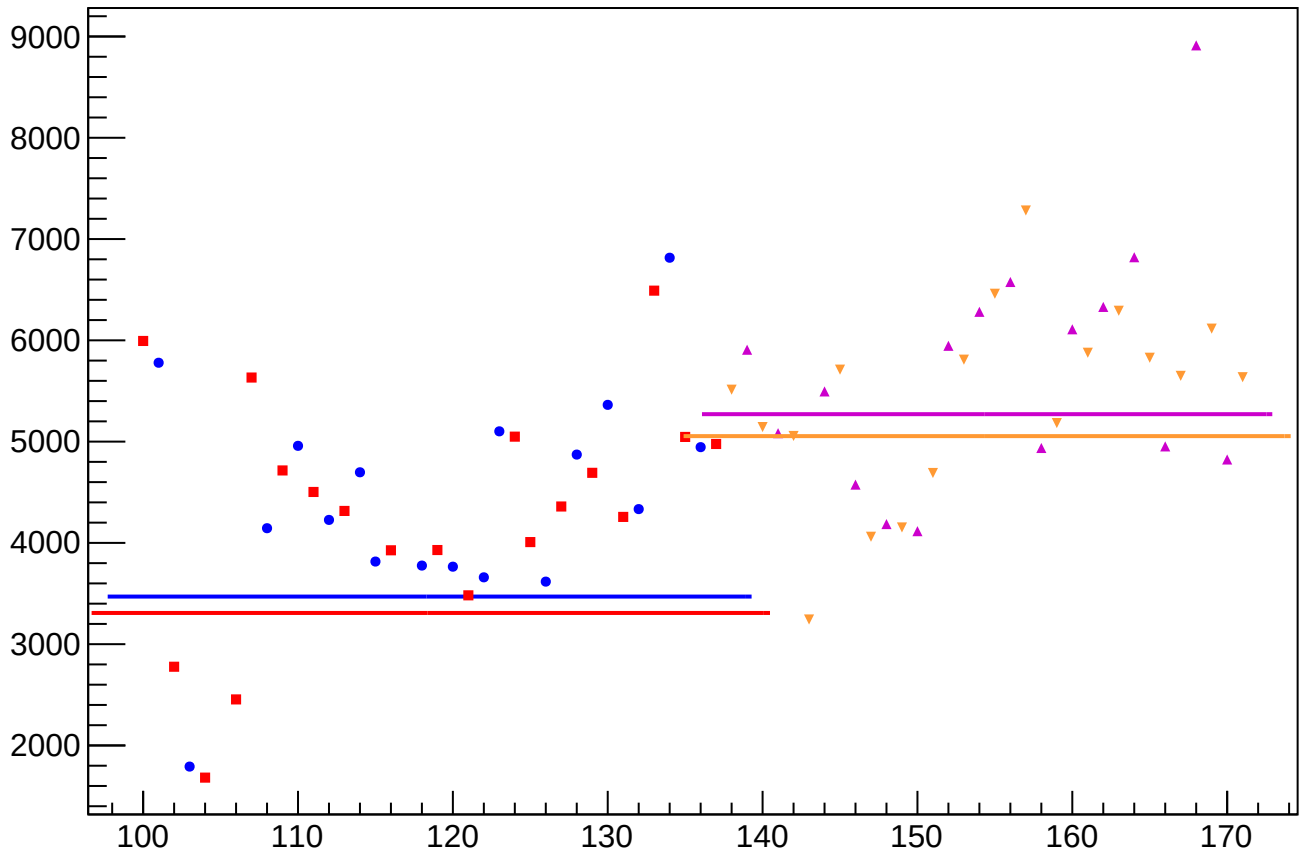
Left In: -1876.893+/-1519.975 χ^2/NDF : 9.6/15

+ sign 1695.391+/-1012.206 χ^2/NDF : 37.0/34

All: -120.179+/-719.300 χ^2/NDF : 70.7/69

- sign -1972.348+/-1022.357 χ^2/NDF : 27.2/34

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 ± 1.027 χ^2/NDF : 1760860.6/16

Left Out: 5054.207 ± 0.998 χ^2/NDF : 1058839.2/17

Right Out: 3308.243 ± 0.968 χ^2/NDF : 1910782.0/18

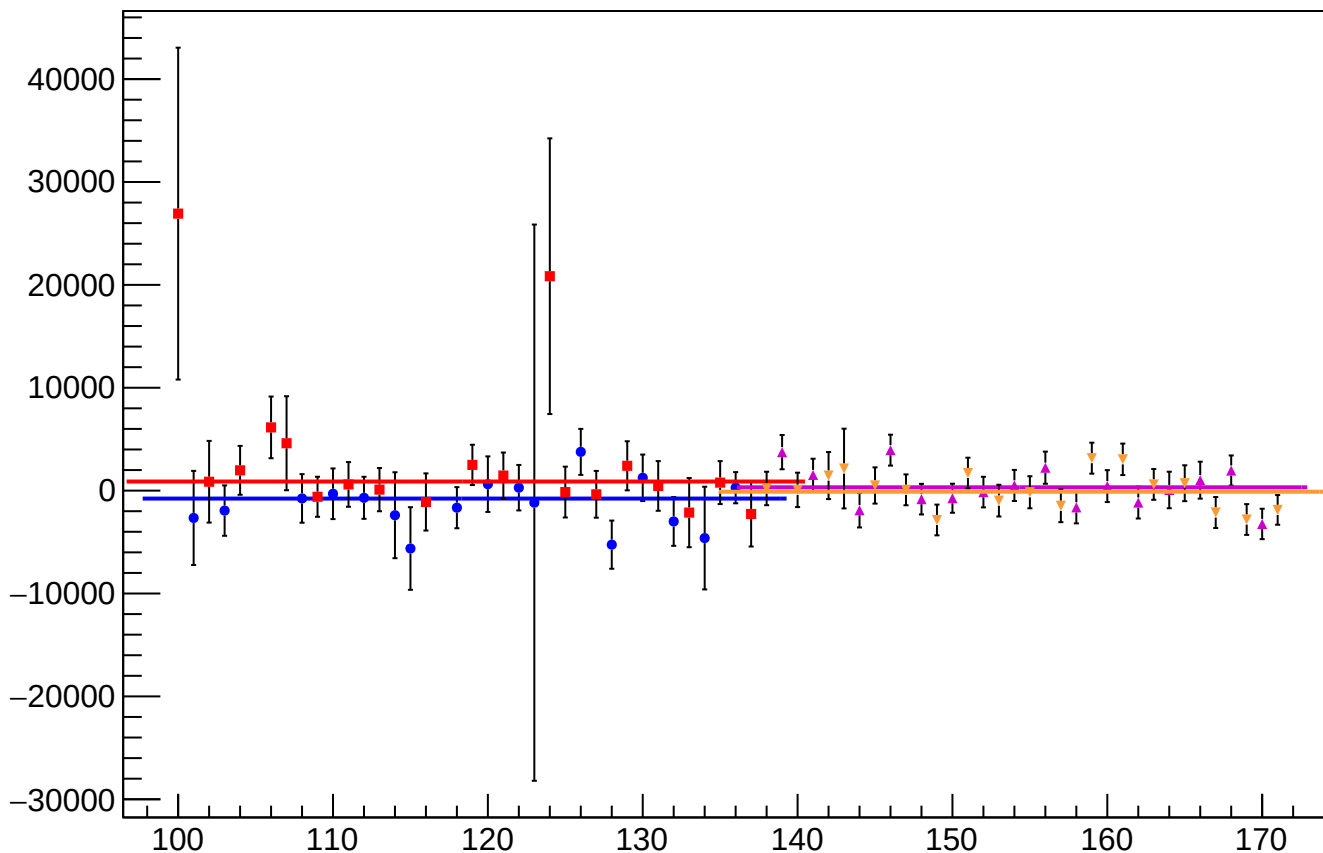
Left In: 5270.945 ± 1.075 χ^2/NDF : 865426.6/15

+ sign 4285.037 ± 0.716 χ^2/NDF : 4043414.2/34

All: 4236.396 ± 0.507 χ^2/NDF : 8670142.3/69

- sign 4187.272 ± 0.719 χ^2/NDF : 4617445.0/34

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -105.514+/-380.700 χ^2/NDF : 22.9/17

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

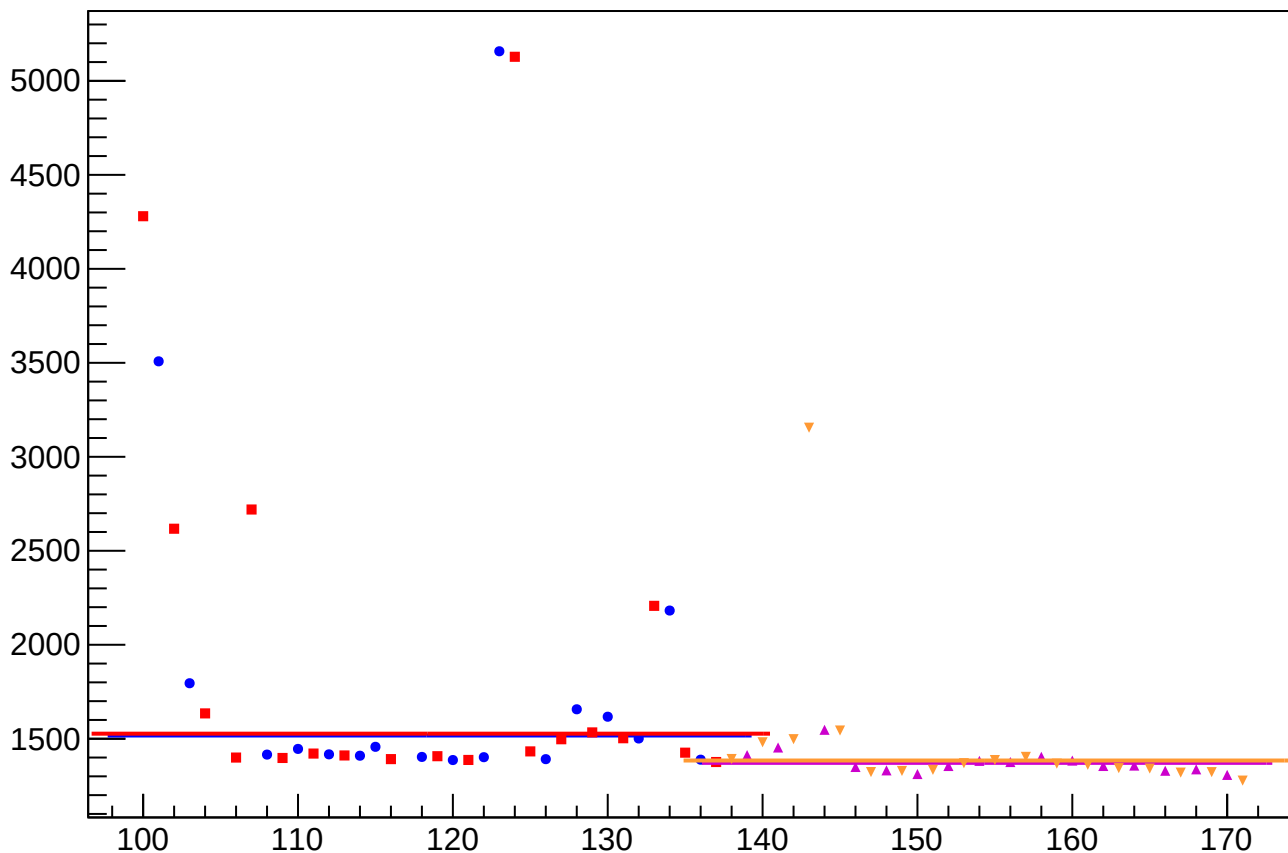
Left In: 323.918+/-388.958 χ^2/NDF : 24.8/15

+ sign -294.909+/-322.017 χ^2/NDF : 37.0/34

All: 94.185+/-228.948 χ^2/NDF : 78.9/69

- sign 491.925+/-325.575 χ^2/NDF : 38.9/34

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1384.206+/-0.269 χ^2/NDF : 475813.5/17

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

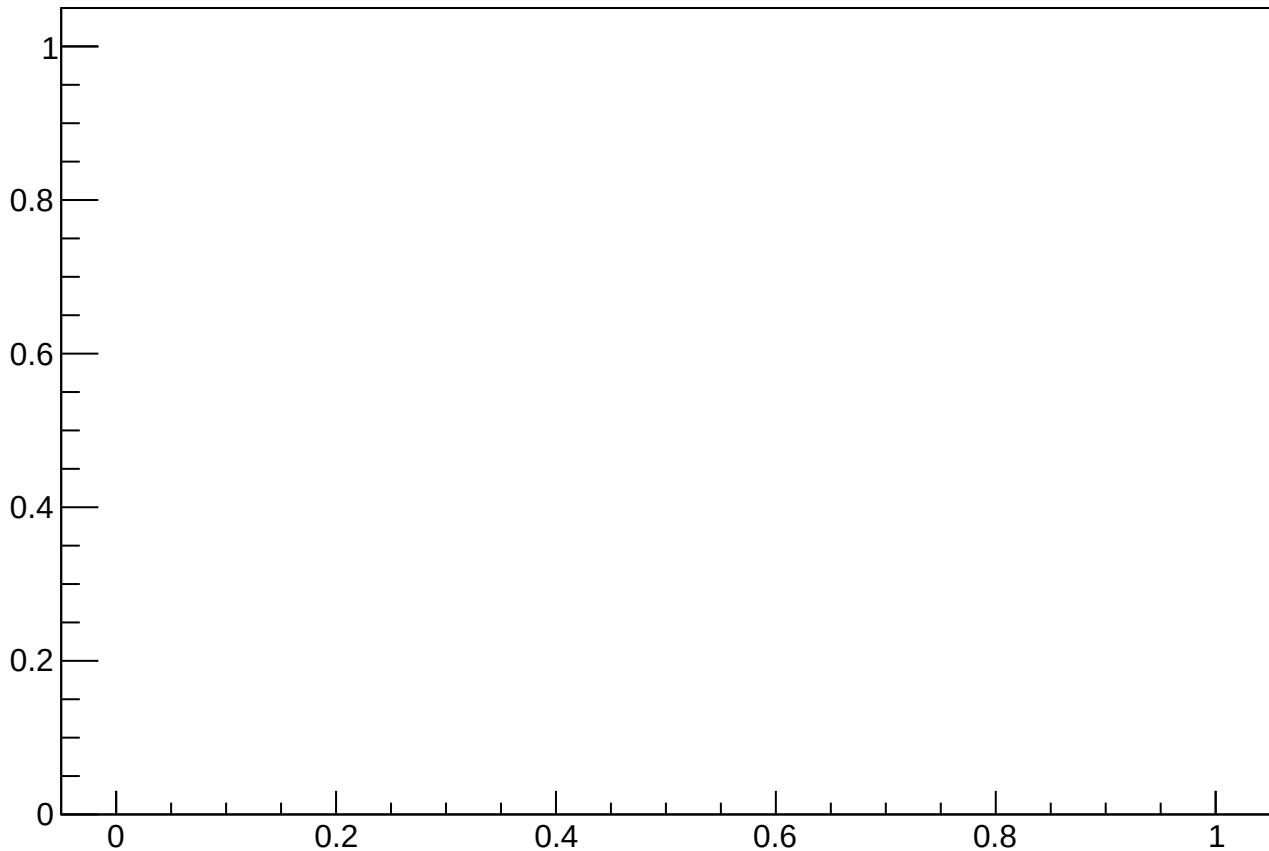
Left In: 1371.793+/-0.275 χ^2/NDF : 41711.5/15

+ sign 1422.085+/-0.228 χ^2/NDF : 1082064.5/34

All: 1420.192+/-0.162 χ^2/NDF : 1850938.9/69

- sign 1418.257+/-0.230 χ^2/NDF : 768734.7/34

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

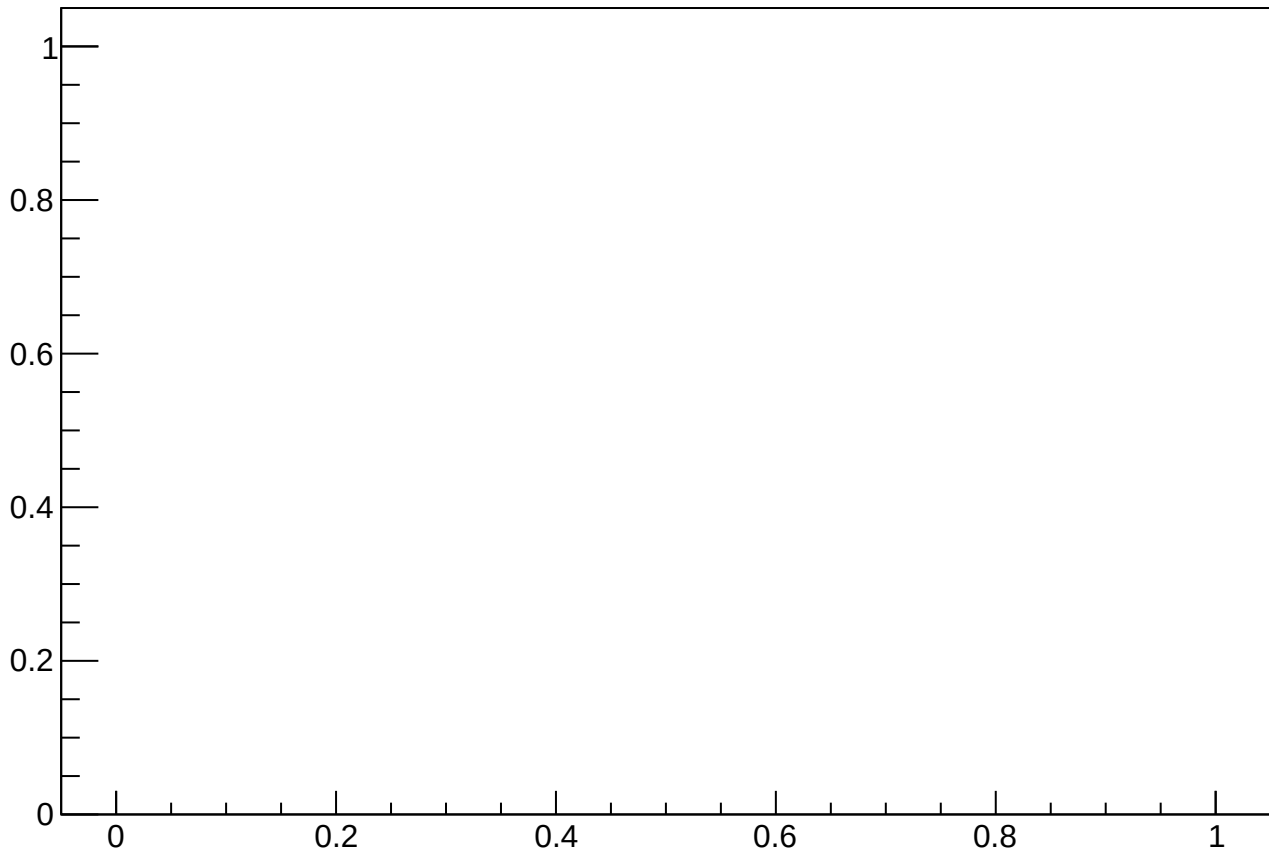
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

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

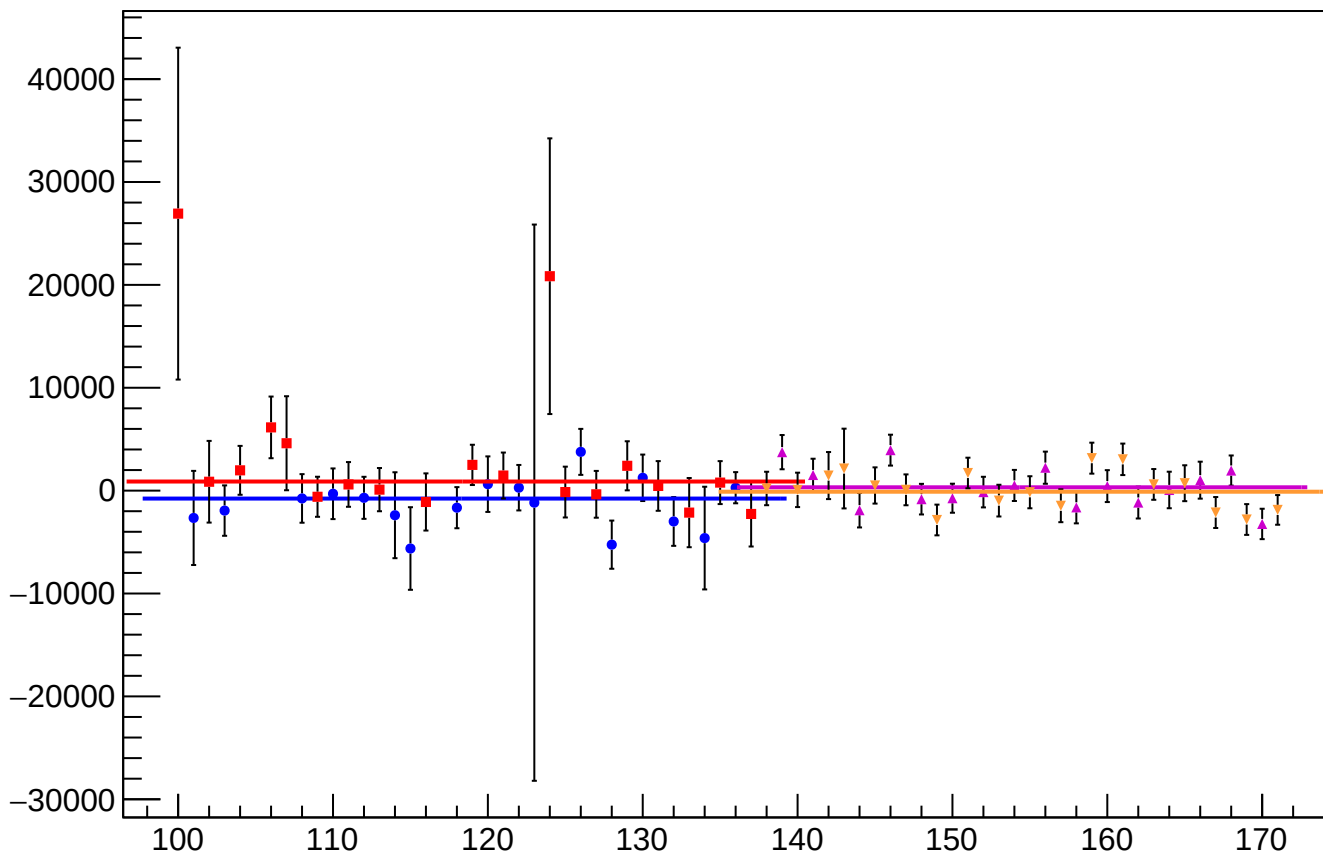
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -105.514+/-380.700 χ^2/NDF : 22.9/17

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

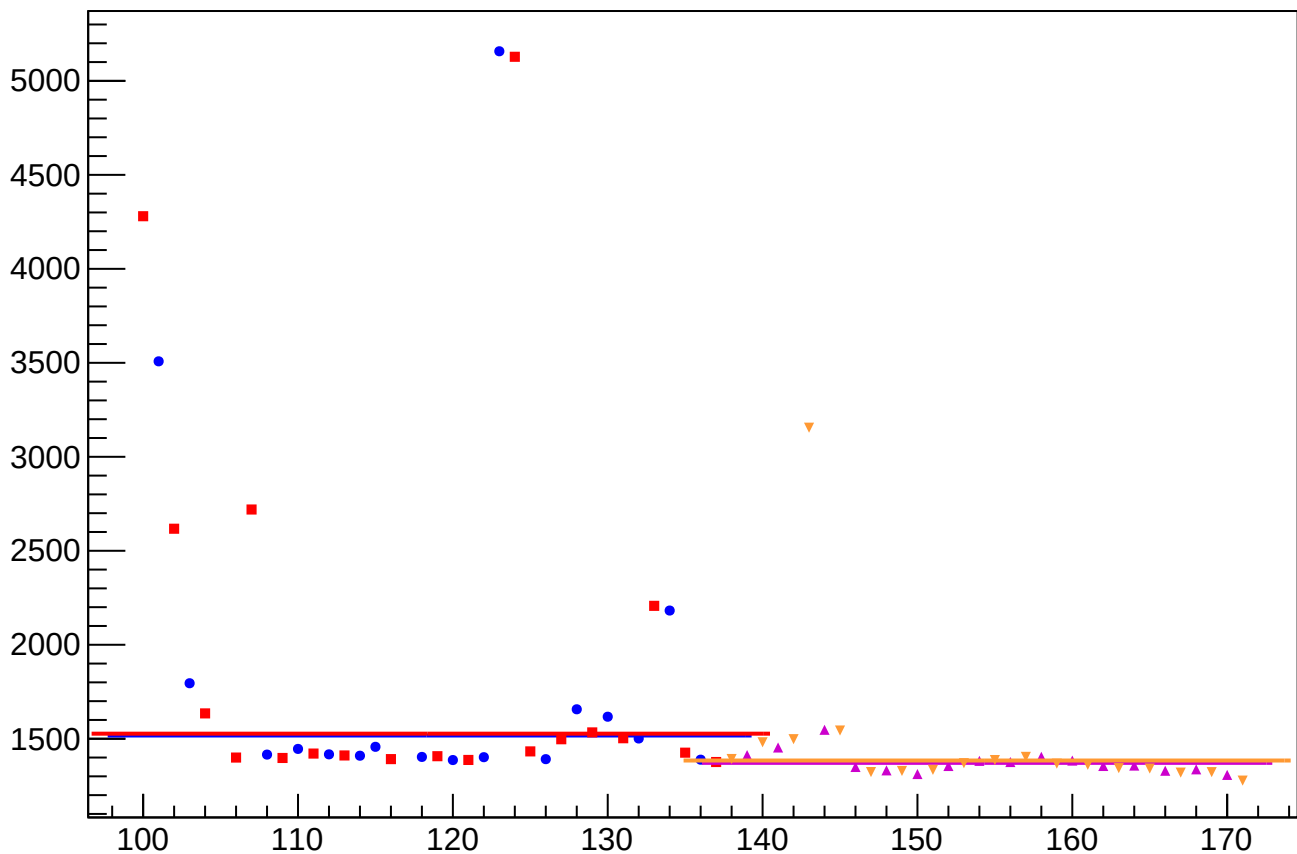
Left In: 323.918+/-388.958 χ^2/NDF : 24.8/15

+ sign -294.909+/-322.017 χ^2/NDF : 37.0/34

All: 94.185+/-228.948 χ^2/NDF : 78.9/69

- sign 491.925+/-325.575 χ^2/NDF : 38.9/34

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1384.206+/-0.269 χ^2/NDF : 475813.5/17

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

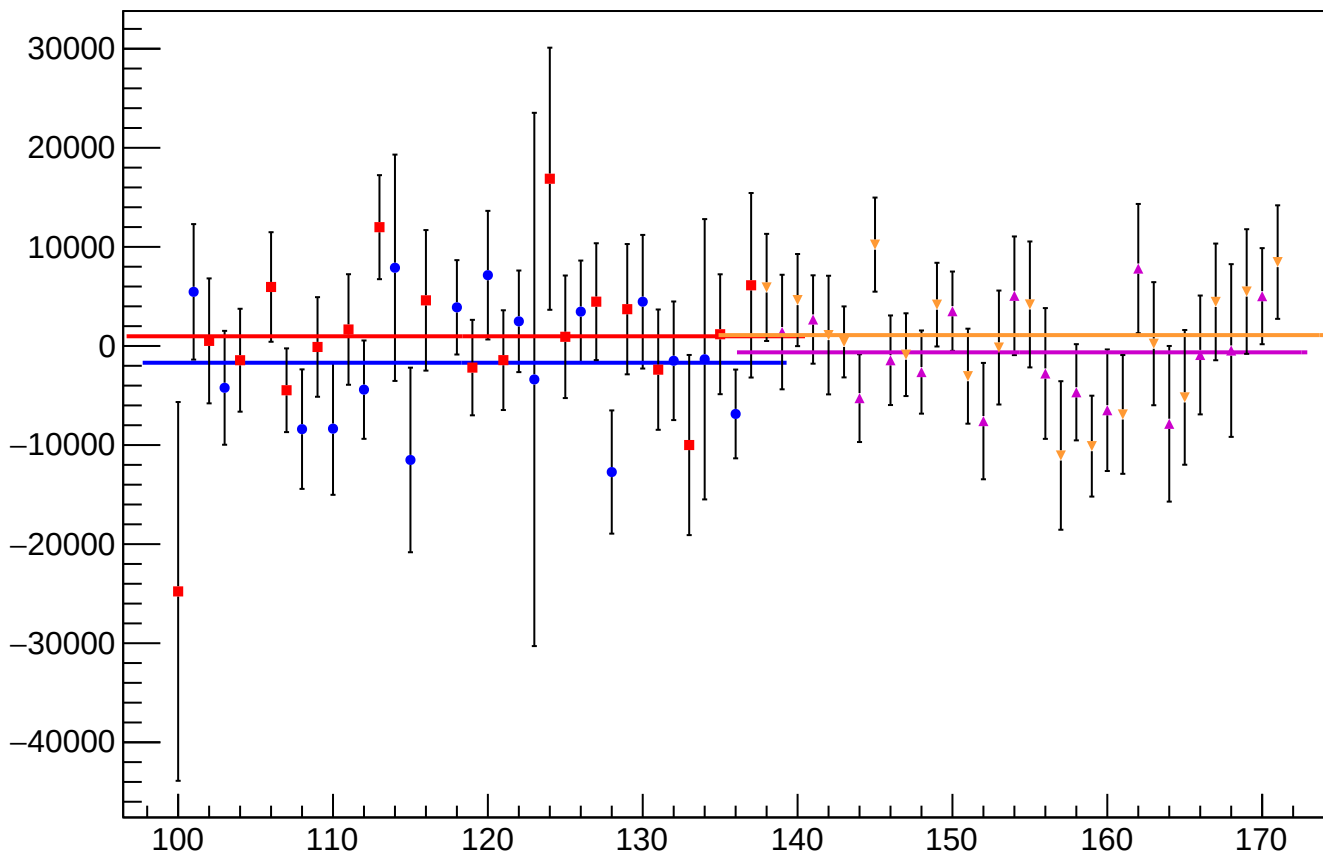
Left In: 1371.793+/-0.275 χ^2/NDF : 41711.5/15

+ sign 1422.085+/-0.228 χ^2/NDF : 1082064.5/34

All: 1420.192+/-0.162 χ^2/NDF : 1850938.9/69

- sign 1418.257+/-0.230 χ^2/NDF : 768734.7/34

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 1096.394 ± 1231.960 χ^2/NDF : 19.5/17

Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

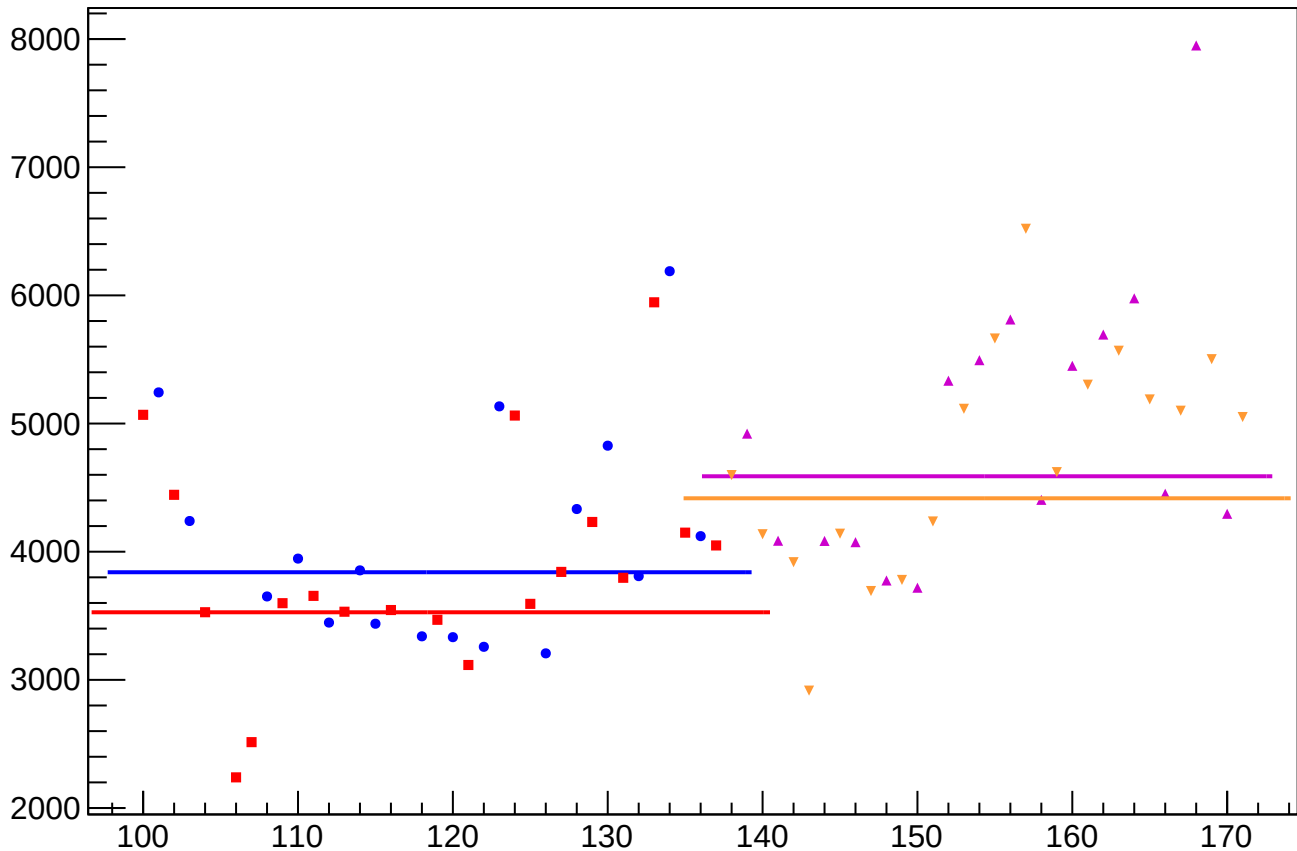
Left In: -642.185 ± 1322.972 χ^2/NDF : 11.0/15

+ sign -15.575 ± 955.306 χ^2/NDF : 37.4/34

All: 59.441 ± 675.266 χ^2/NDF : 63.0/69

- sign 134.352 ± 954.634 χ^2/NDF : 25.6/34

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751 $\pm$ 1.070 χ^2 /NDF: 325959.2/16

Left Out: 4416.736 $\pm$ 0.871 χ^2 /NDF: 1005824.2/17

Right Out: 3527.320 $\pm$ 0.966 χ^2 /NDF: 554785.4/18

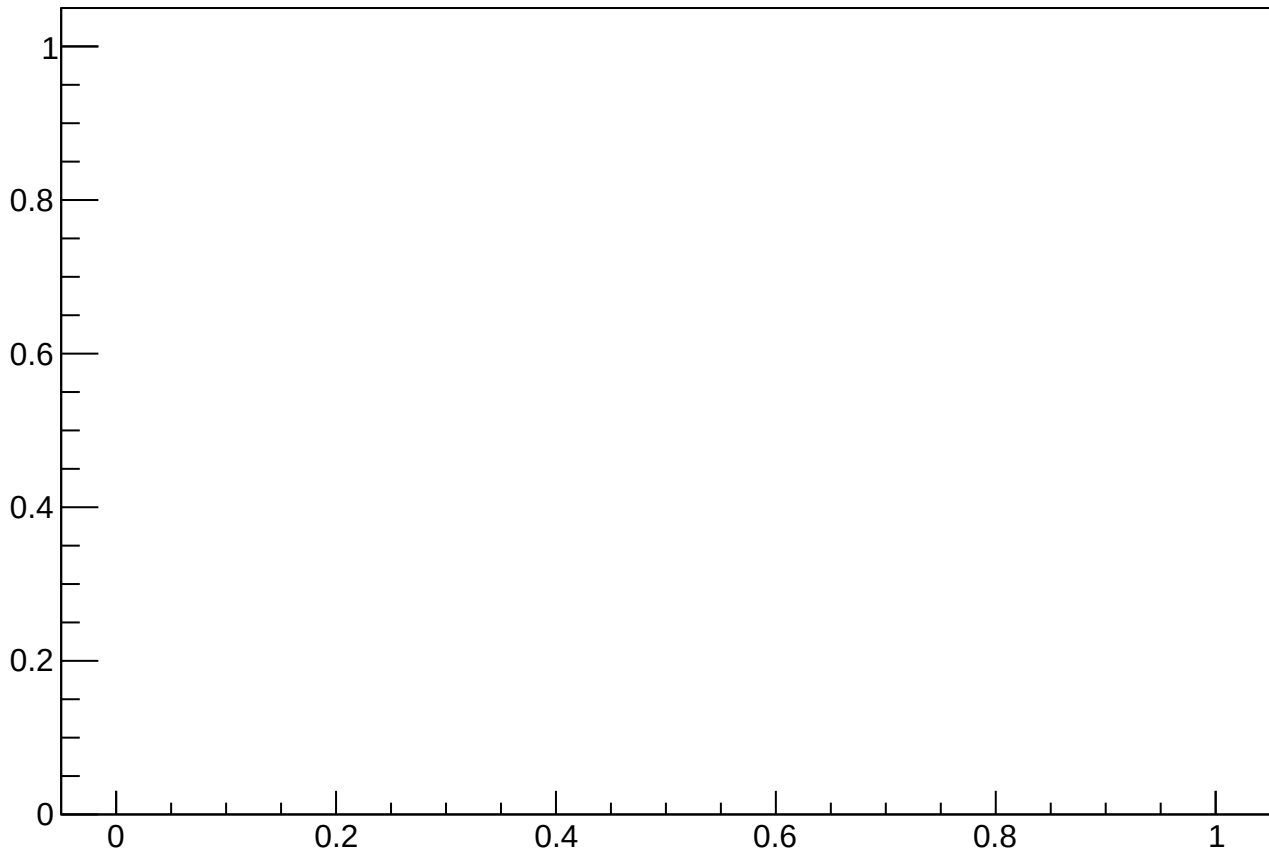
Left In: 4588.570 $\pm$ 0.935 χ^2 /NDF: 868189.0/15

+ sign 4186.686 $\pm$ 0.675 χ^2 /NDF: 1506697.4/34

All: 4130.586 $\pm$ 0.476 χ^2 /NDF: 3566126.6/69

- sign 4075.055 $\pm$ 0.672 χ^2 /NDF: 2045704.6/34

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

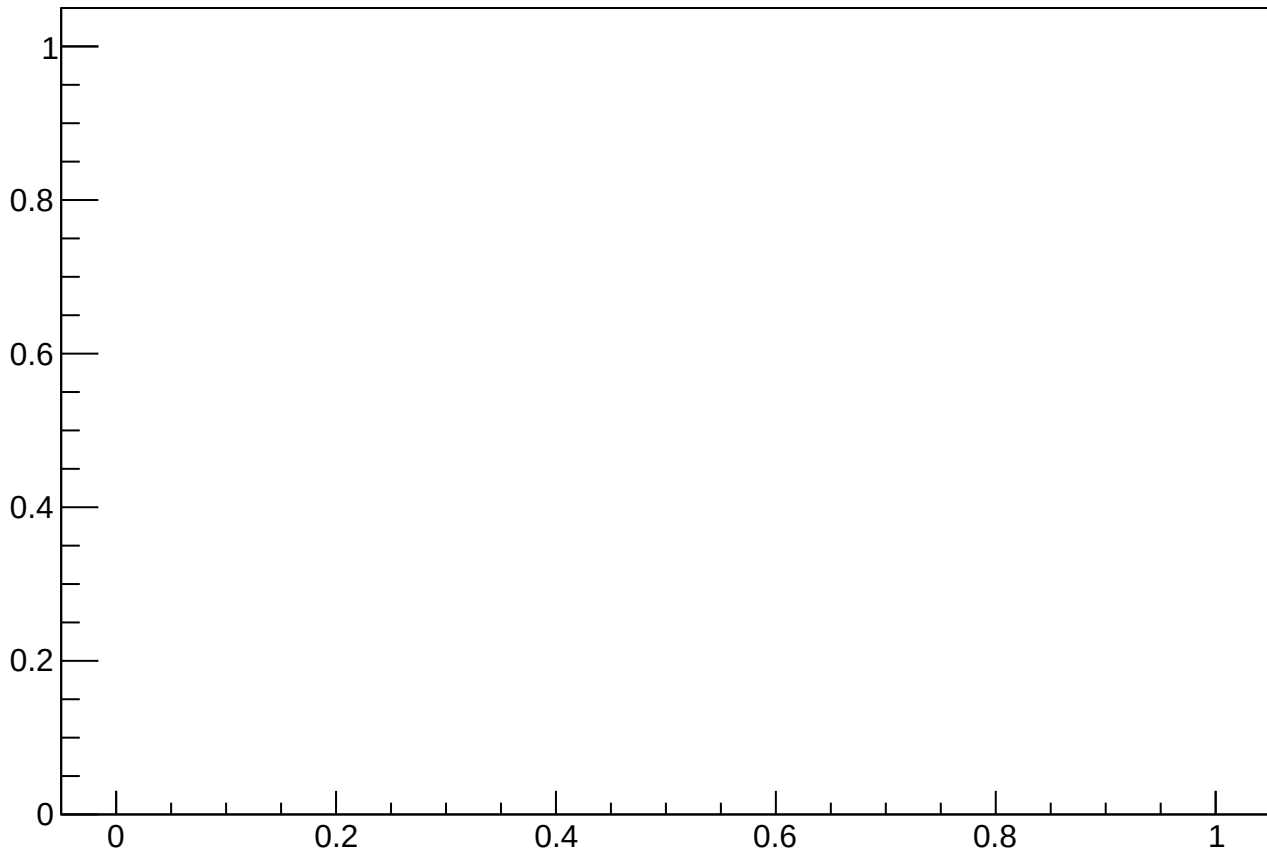
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

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

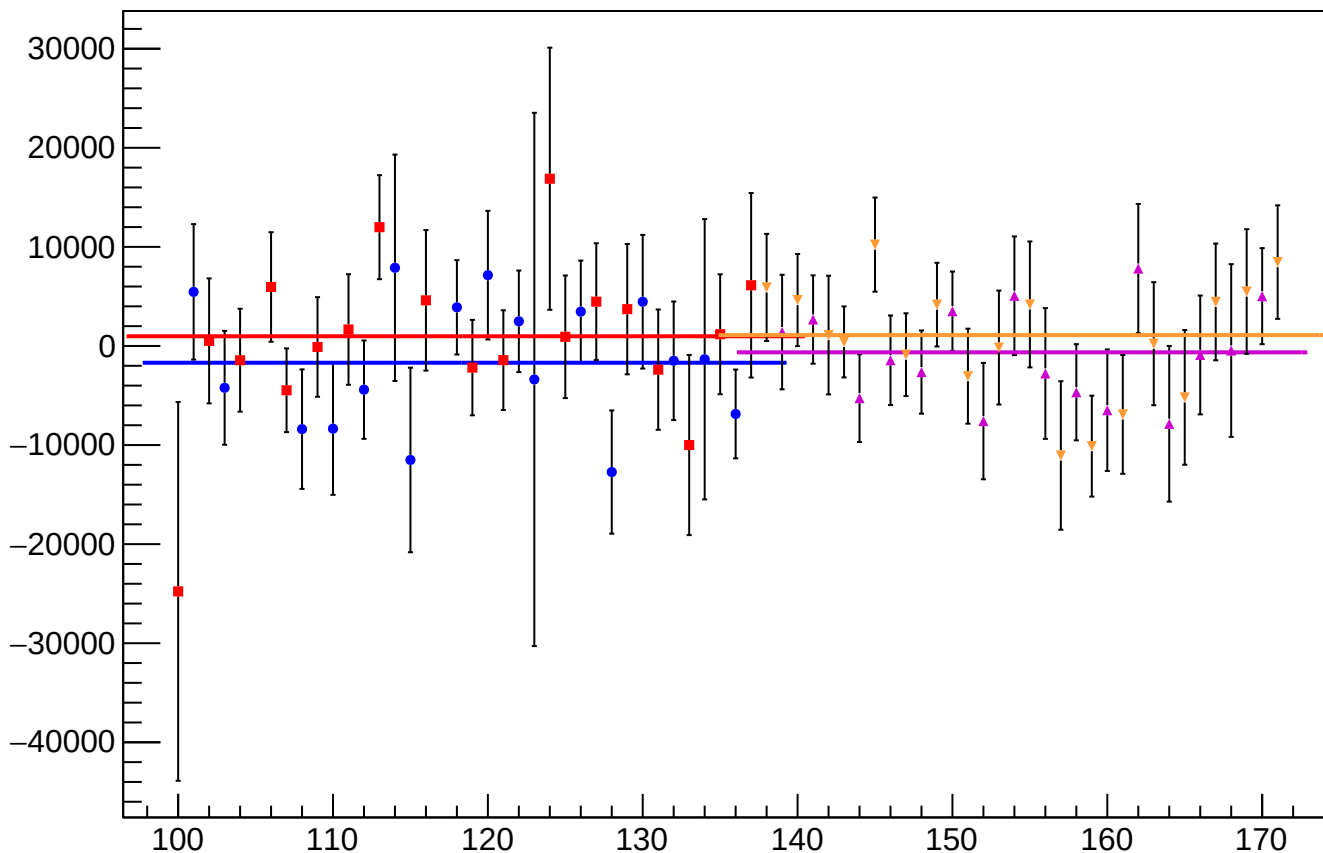
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 1096.394 ± 1231.960 χ^2/NDF : 19.5/17

Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

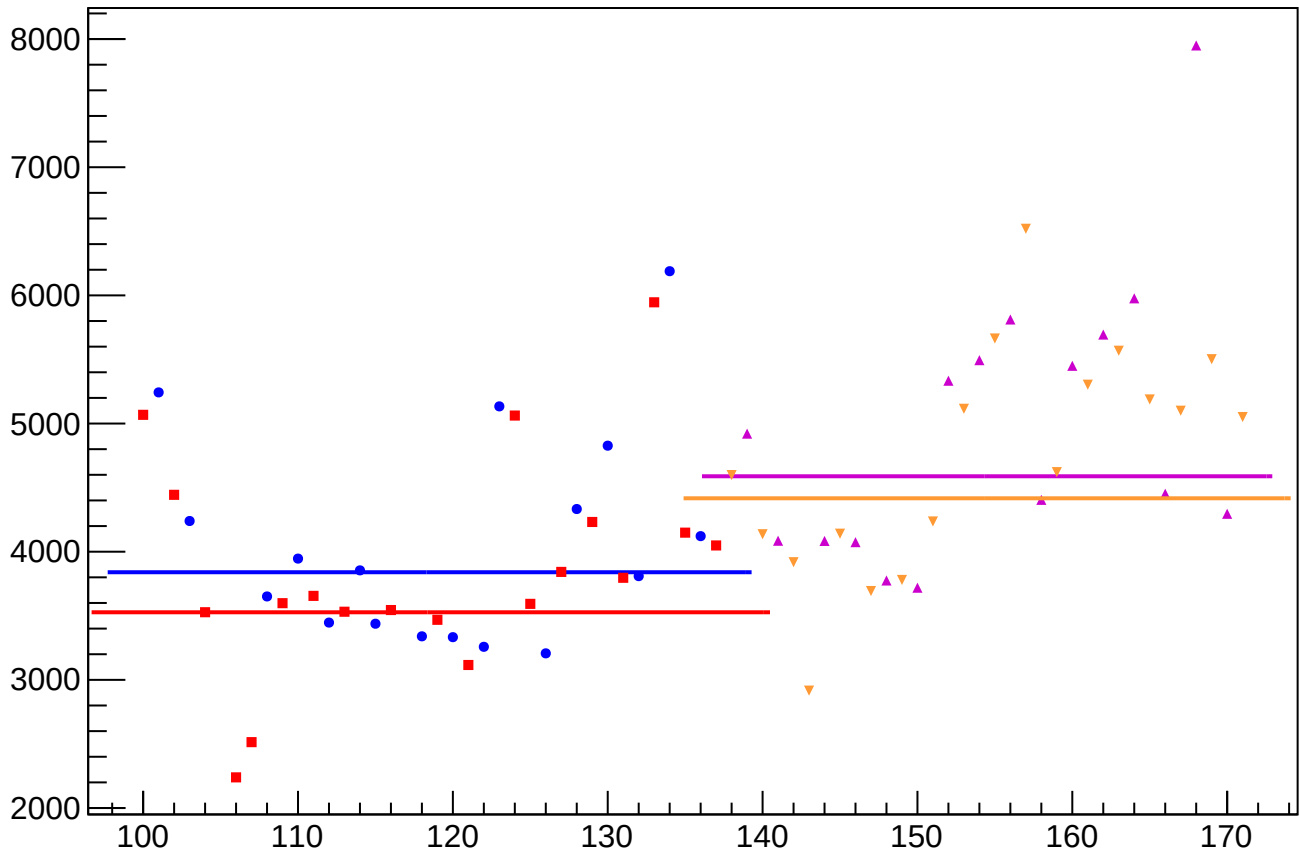
Left In: -642.185 ± 1322.972 χ^2/NDF : 11.0/15

+ sign -15.575 ± 955.306 χ^2/NDF : 37.4/34

All: 59.441 ± 675.266 χ^2/NDF : 63.0/69

- sign 134.352 ± 954.634 χ^2/NDF : 25.6/34

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4416.736+/-0.871 χ^2/NDF : 1005824.2/17

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

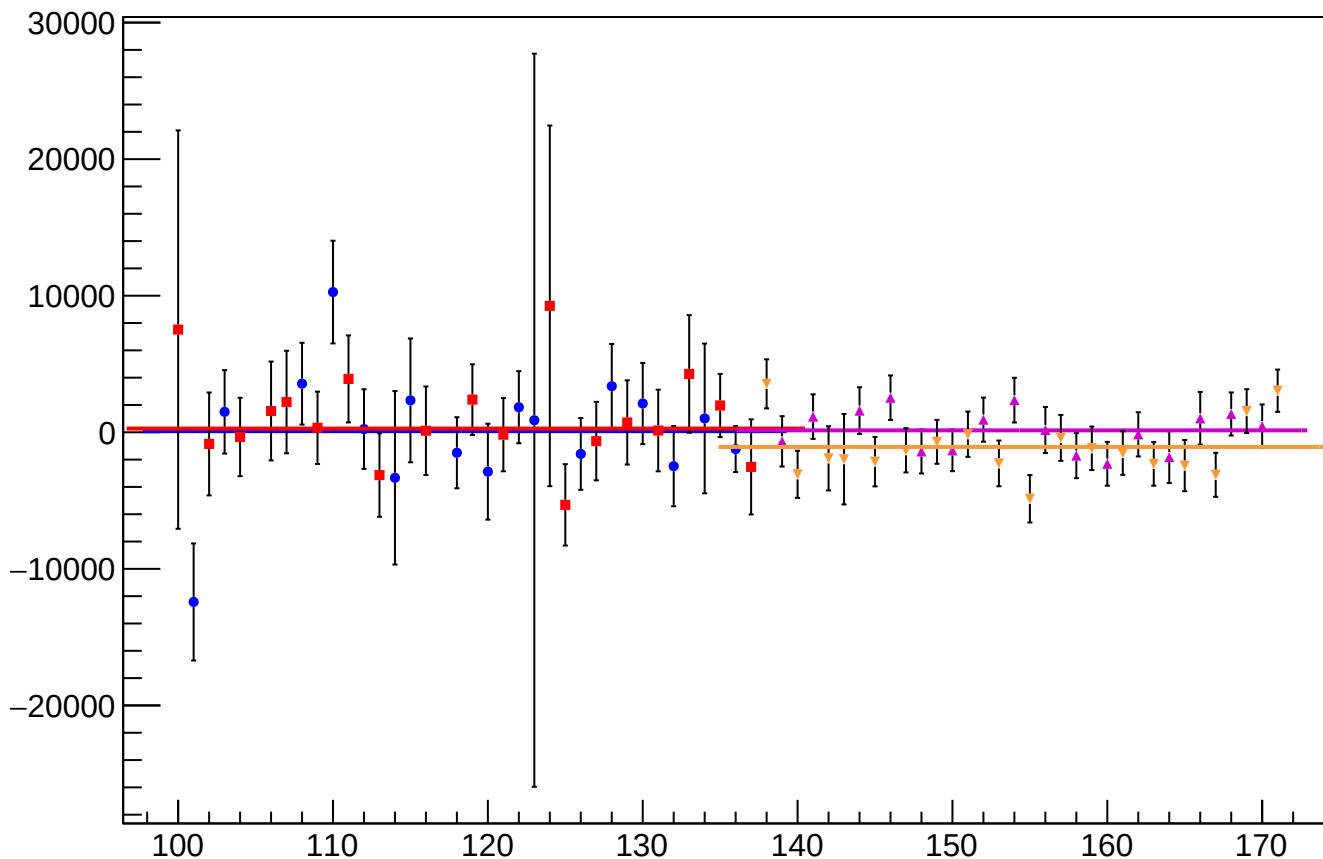
Left In: 4588.570+/-0.935 χ^2/NDF : 868189.0/15

+ sign 4186.686+/-0.675 χ^2/NDF : 1506697.4/34

All: 4130.586+/-0.476 χ^2/NDF : 3566126.6/69

- sign 4075.055+/-0.672 χ^2/NDF : 2045704.6/34

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1072.601 $\pm$ 406.524 χ^2 /NDF:26.9/17

Right Out: 272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

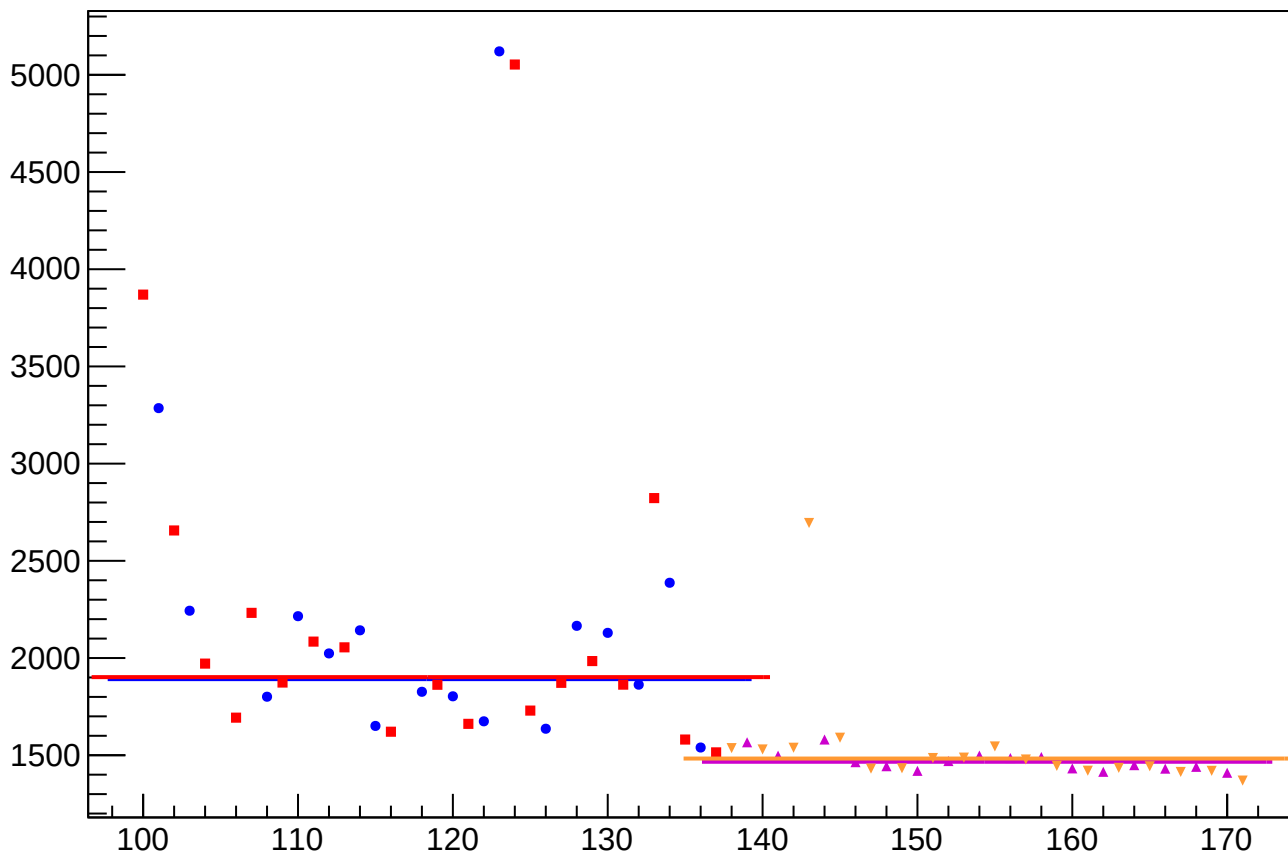
Left In: 142.147 $\pm$ 415.548 χ^2 /NDF:12.8/15

+ sign -810.287 $\pm$ 357.458 χ^2 /NDF: 51.7/34

All: -323.940 $\pm$ 254.223 χ^2 /NDF: 78.5/69

- sign 173.829 $\pm$ 361.631 χ^2 /NDF: 23.0/34

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1482.963 $\pm$ 0.287 χ^2 /NDF: 310214.2/17

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

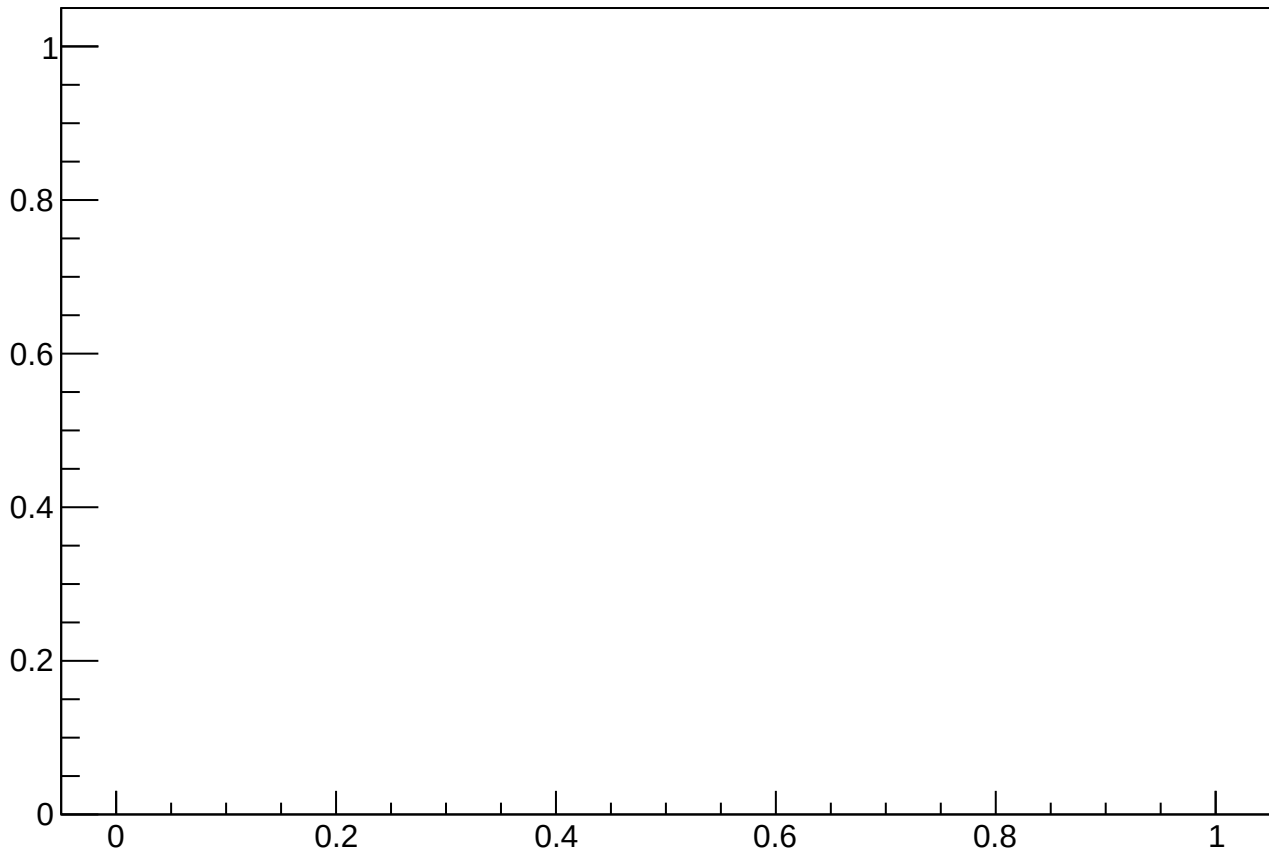
Left In: 1466.394 $\pm$ 0.294 χ^2 /NDF: 26176.3/15

+ sign 1575.628 $\pm$ 0.253 χ^2 /NDF: 1232854.6/34

All: 1573.861 $\pm$ 0.180 χ^2 /NDF: 2252640.9/69

- sign 1572.053 $\pm$ 0.256 χ^2 /NDF: 1019687.4/34

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: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

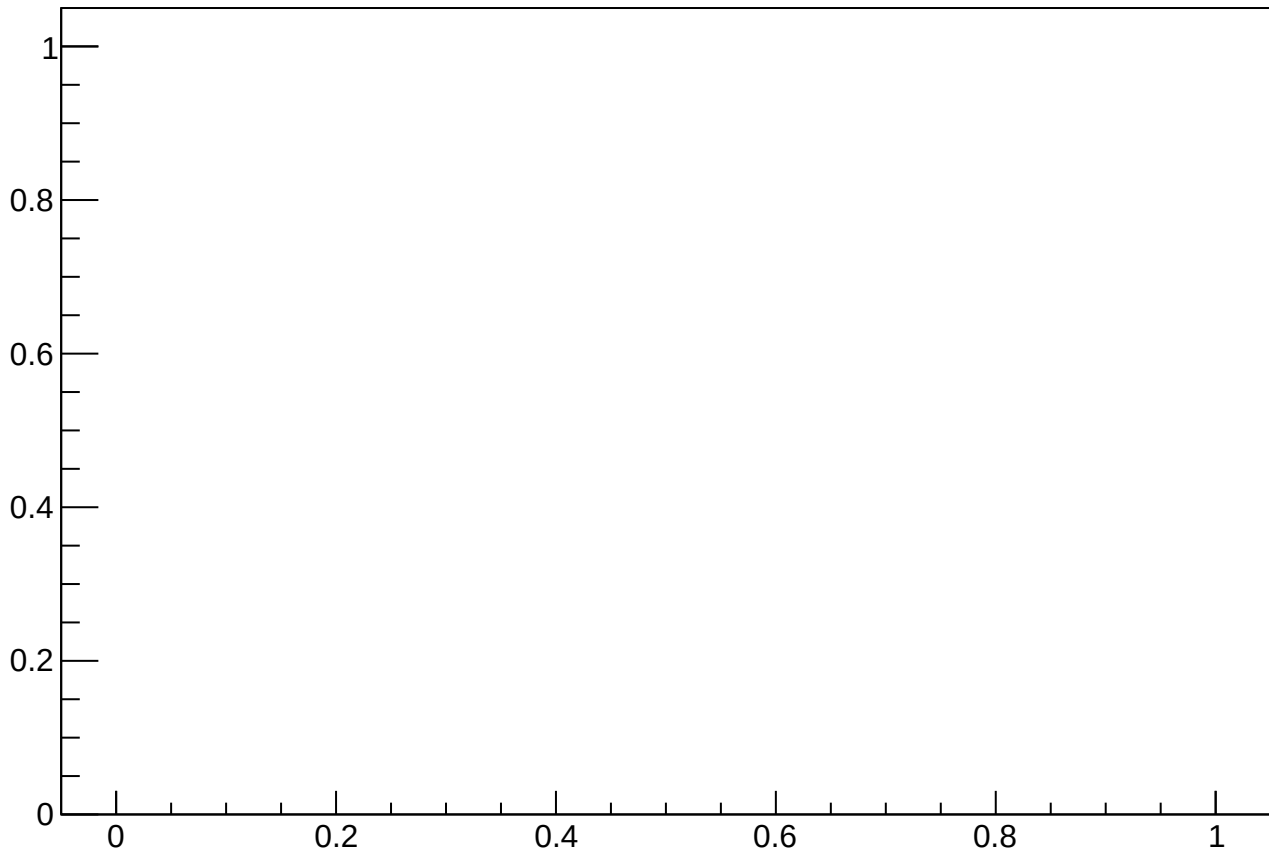
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

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: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

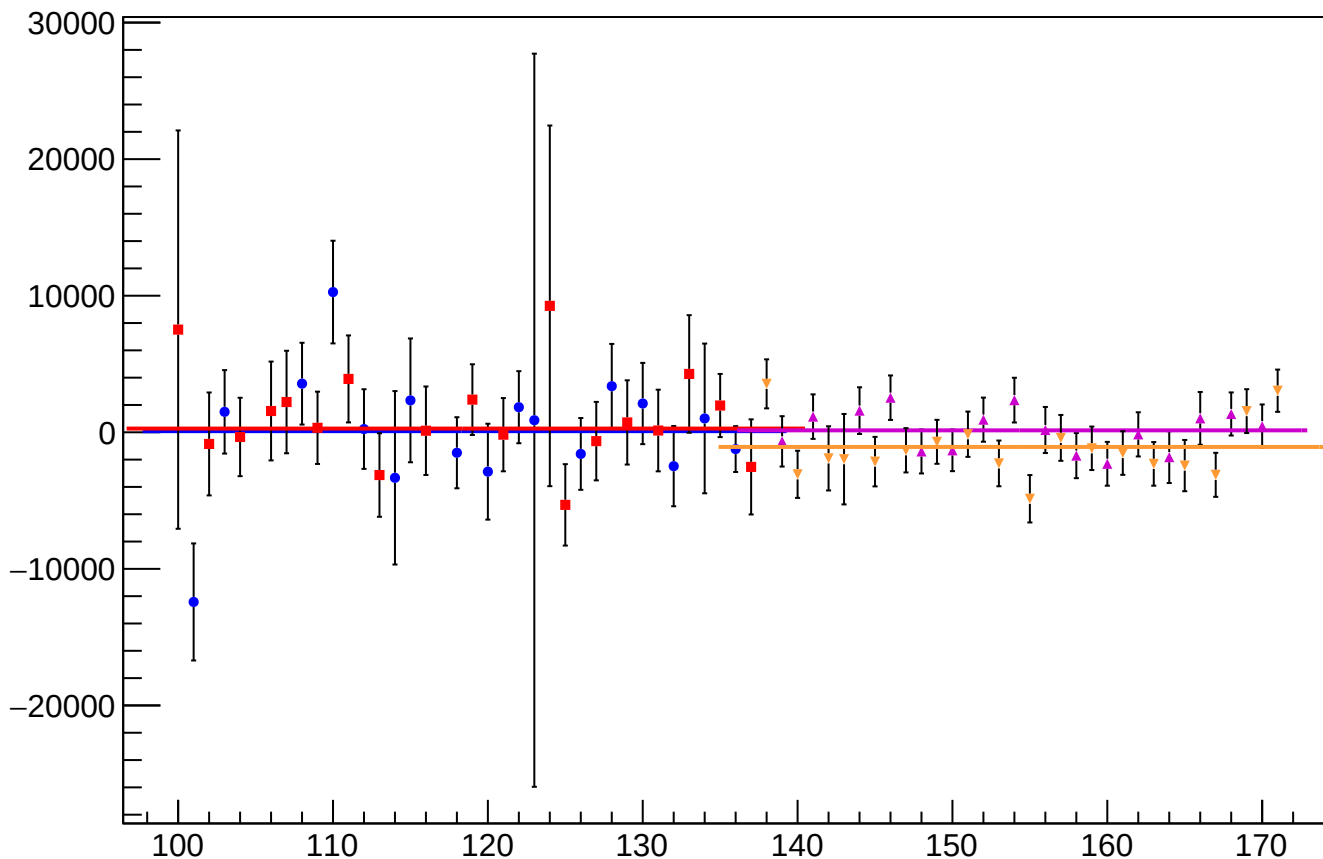
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 ± 750.549 χ^2/NDF : 22.9/16

Left Out: -1072.601 ± 406.524 χ^2/NDF : 26.9/17

Right Out: 272.707 ± 734.115 χ^2/NDF : 10.2/18

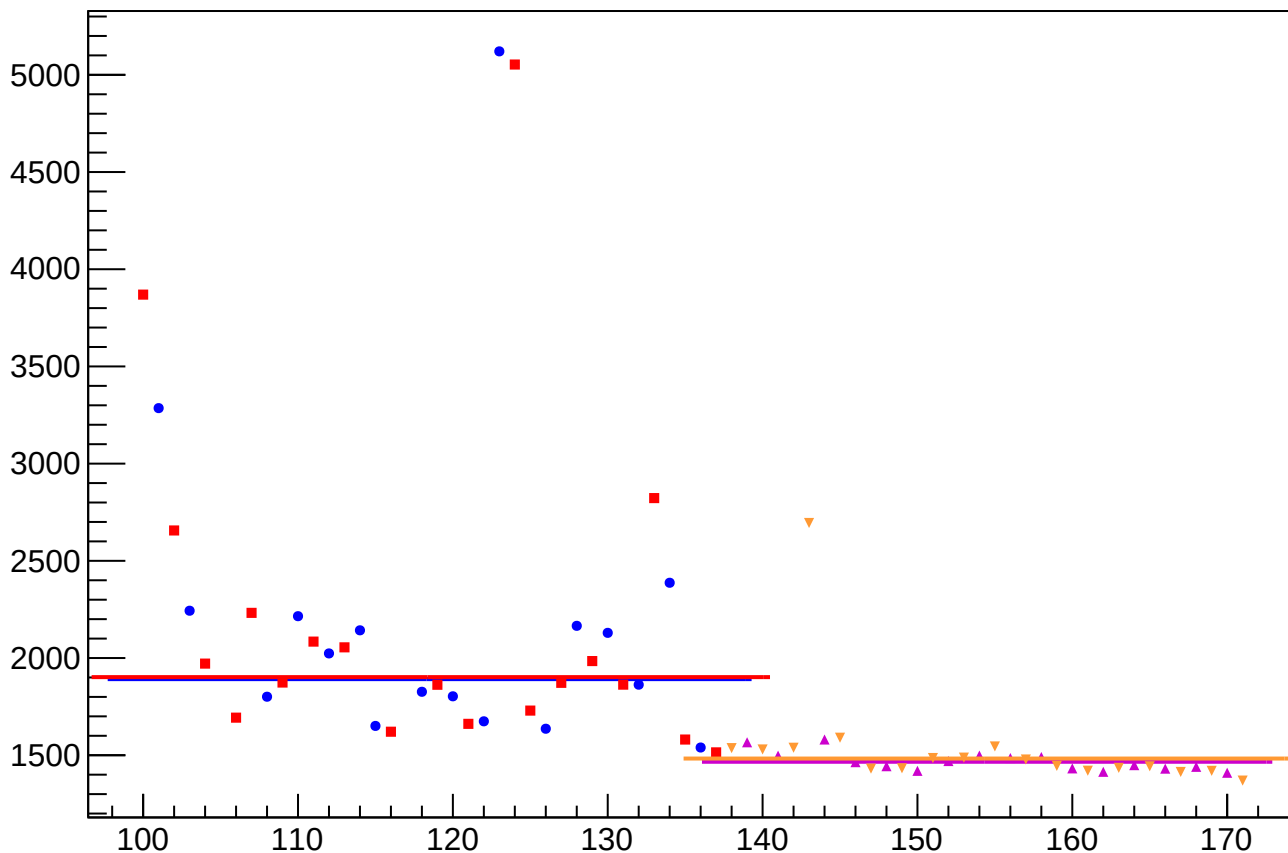
Left In: 142.147 ± 415.548 χ^2/NDF : 12.8/15

+ sign -810.287 ± 357.458 χ^2/NDF : 51.7/34

All: -323.940 ± 254.223 χ^2/NDF : 78.5/69

- sign 173.829 ± 361.631 χ^2/NDF : 23.0/34

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1482.963 $\pm$ 0.287 χ^2 /NDF: 310214.2/17

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

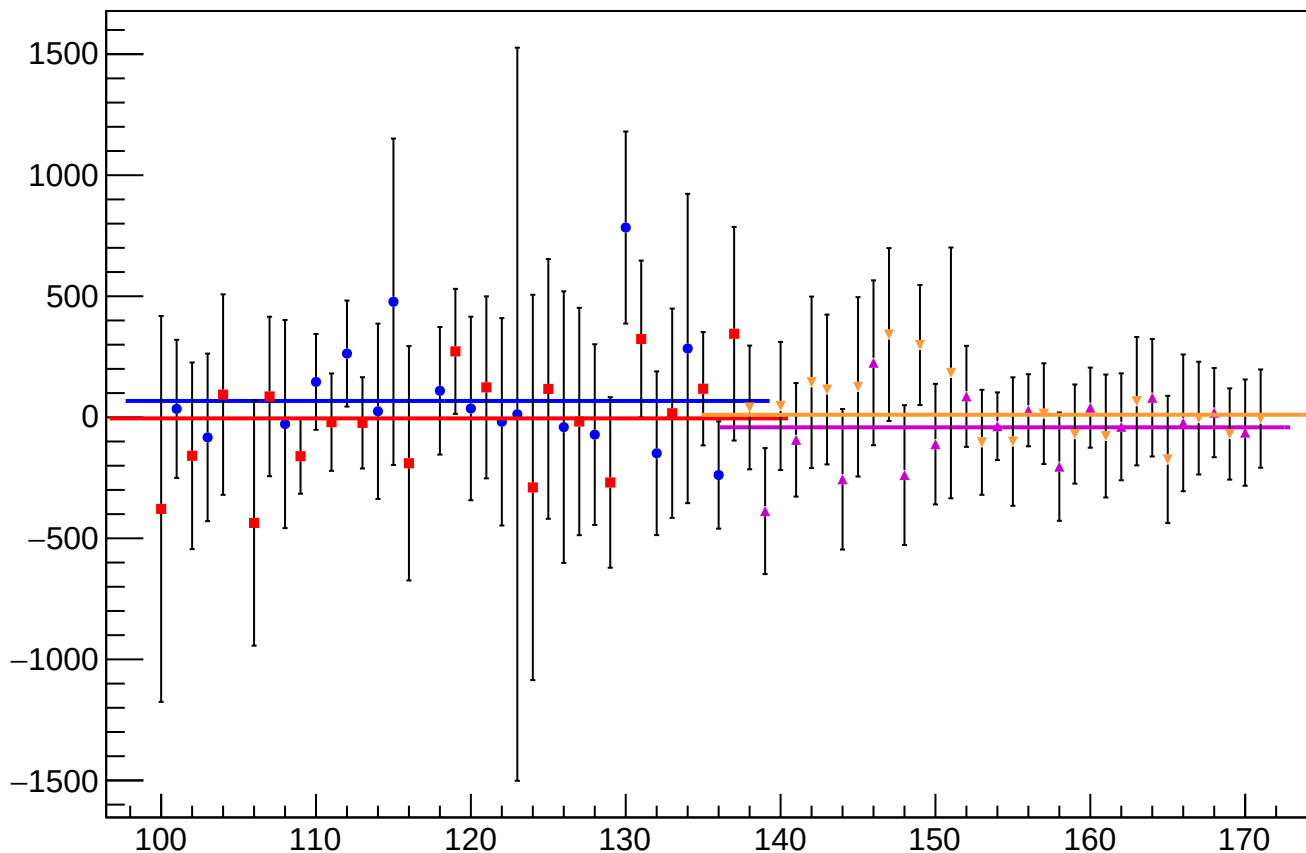
Left In: 1466.394 $\pm$ 0.294 χ^2 /NDF: 26176.3/15

+ sign 1575.628 $\pm$ 0.253 χ^2 /NDF: 1232854.6/34

All: 1573.861 $\pm$ 0.180 χ^2 /NDF: 2252640.9/69

- sign 1572.053 $\pm$ 0.256 χ^2 /NDF: 1019687.4/34

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 10.508 $\pm$ 59.696 χ^2 /NDF: 4.2/17

Right Out: -4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

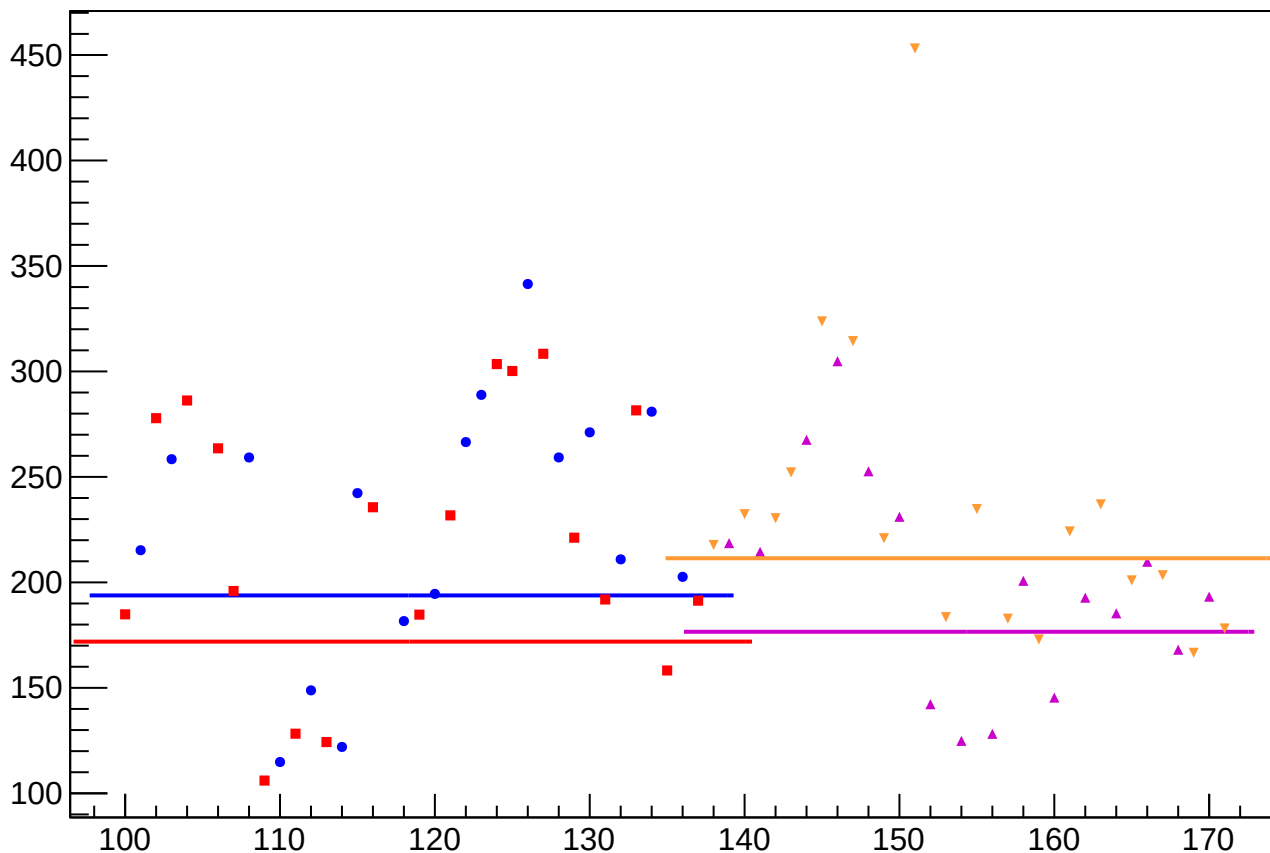
Left In: -41.468 $\pm$ 52.880 χ^2 /NDF: 5.3/15

+ sign 31.036 $\pm$ 47.760 χ^2 /NDF: 12.0/34

All: -2.126 $\pm$ 31.622 χ^2 /NDF: 24.7/69

- sign -28.011 $\pm$ 42.196 χ^2 /NDF: 11.8/34

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 211.441 $\pm$ 0.042 χ^2 /NDF: 1195215.9/17

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

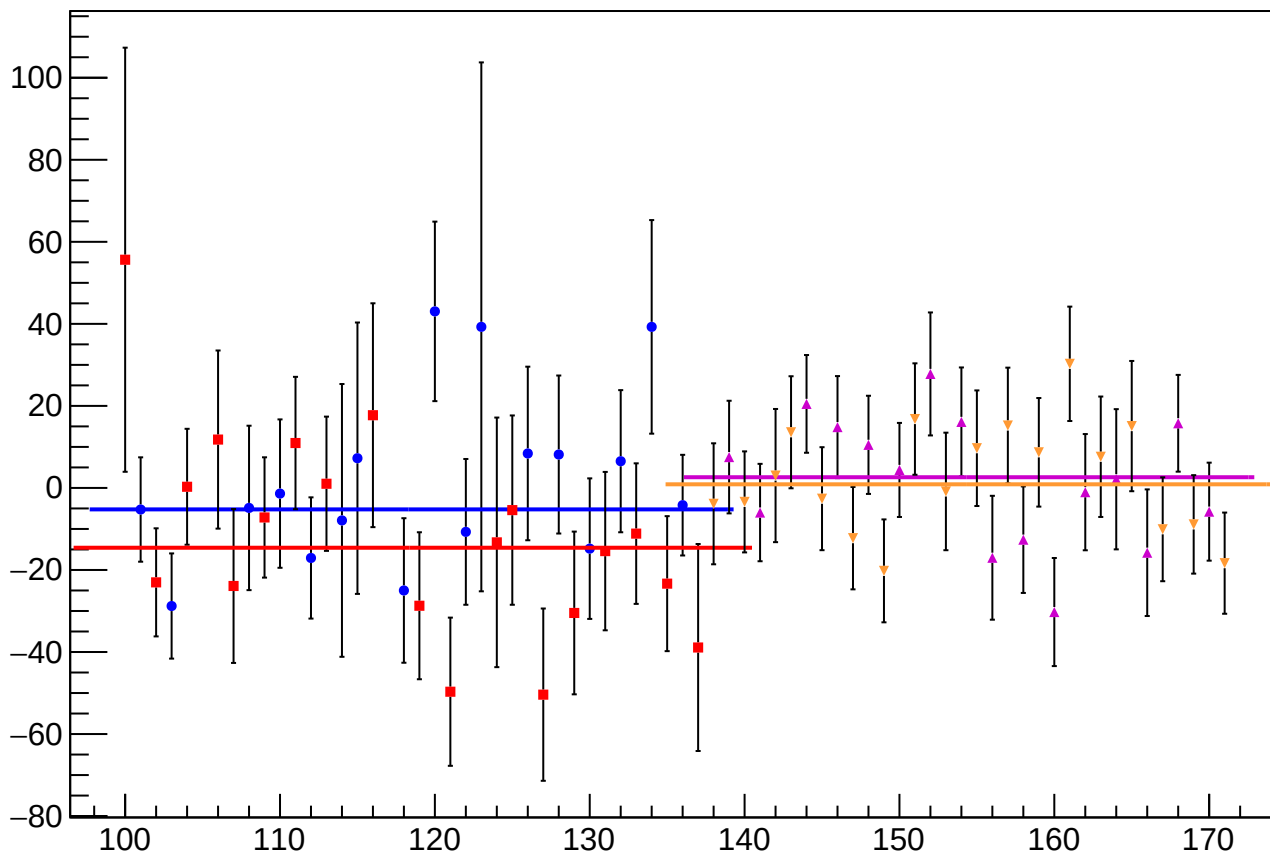
Left In: 176.587 $\pm$ 0.037 χ^2 /NDF: 1509863.7/15

+ sign 205.097 $\pm$ 0.034 χ^2 /NDF: 2268292.7/34

All: 188.133 $\pm$ 0.022 χ^2 /NDF: 5810154.8/69

- sign 174.892 $\pm$ 0.030 χ^2 /NDF: 3092599.2/34

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: 0.885 ± 3.178 χ^2/NDF : 17.6/17

Right Out: -14.579 ± 4.265 χ^2/NDF : 19.5/18

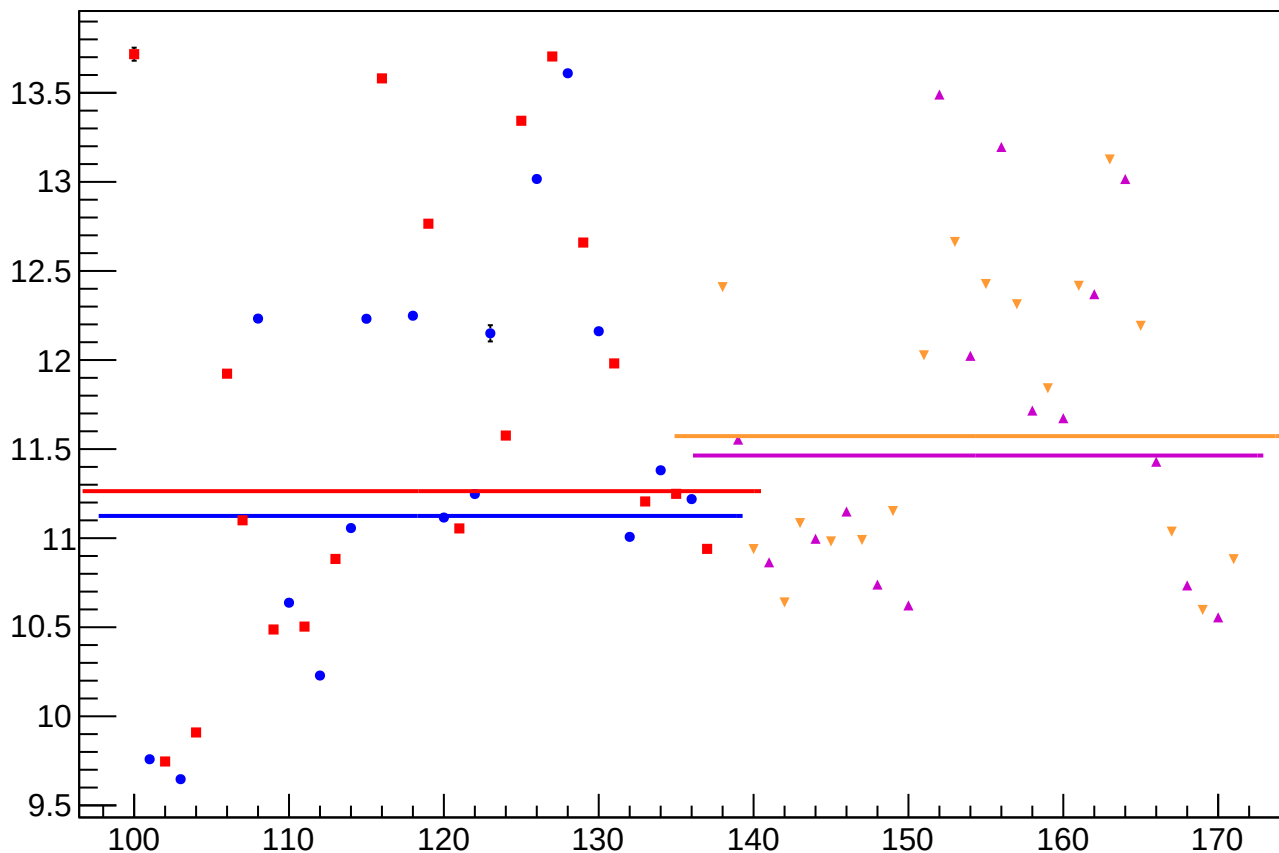
Left In: 2.611 ± 3.270 χ^2/NDF : 20.7/15

+ sign -1.239 ± 2.567 χ^2/NDF : 34.4/34

All: -2.483 ± 1.825 χ^2/NDF : 85.3/69

- sign -3.754 ± 2.595 χ^2/NDF : 50.4/34

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.573 $\pm$ 0.002 χ^2 /NDF: 115263.4/17

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

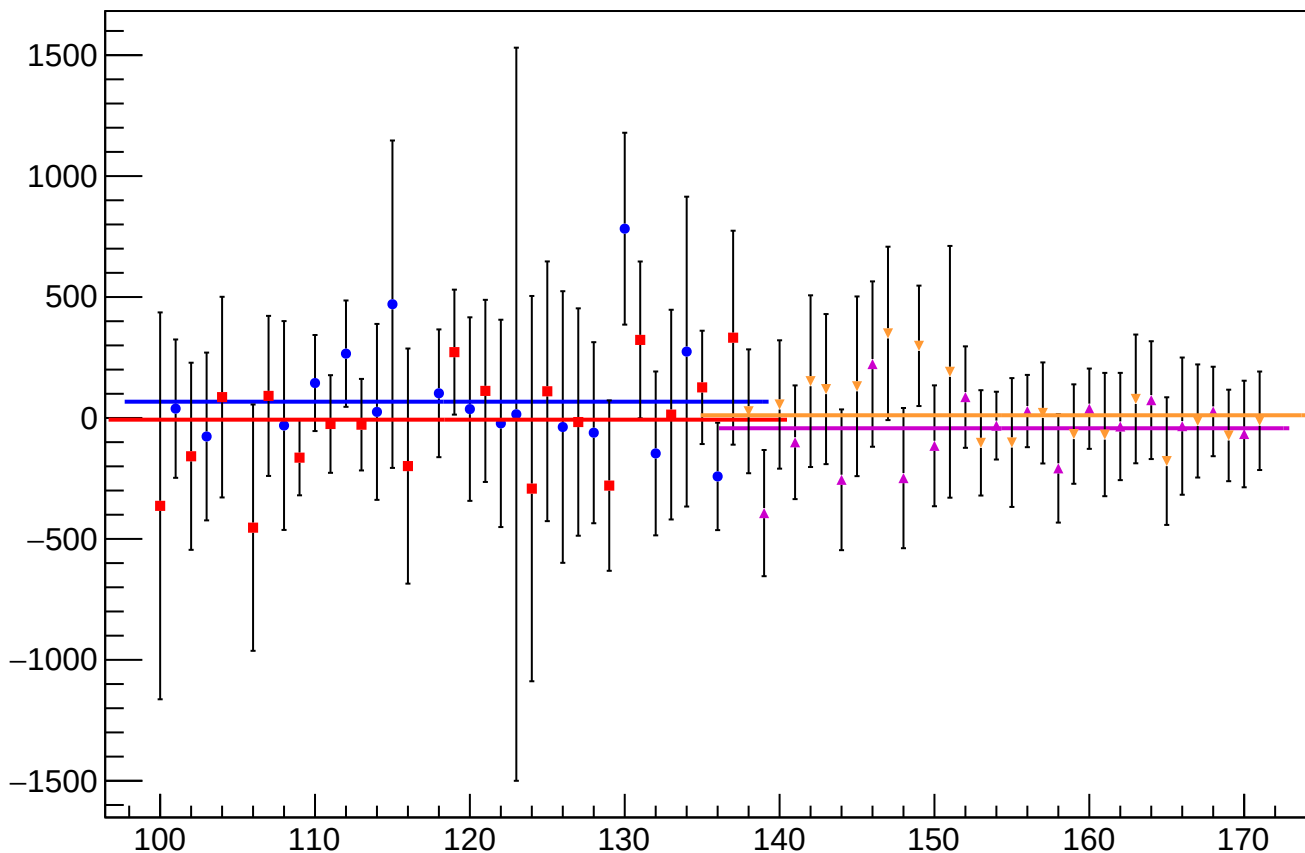
Left In: 11.464 $\pm$ 0.002 χ^2 /NDF: 139196.9/15

+ sign 11.417 $\pm$ 0.002 χ^2 /NDF: 261593.8/34

All: 11.404 $\pm$ 0.001 χ^2 /NDF: 551406.2/69

- sign 11.390 $\pm$ 0.002 χ^2 /NDF: 289700.3/34

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305 $\pm$ 79.817 χ^2 /NDF: 7.5/16

Left Out: 11.210 $\pm$ 59.905 χ^2 /NDF: 4.3/17

Right Out: -7.039 $\pm$ 70.212 χ^2 /NDF: 6.4/18

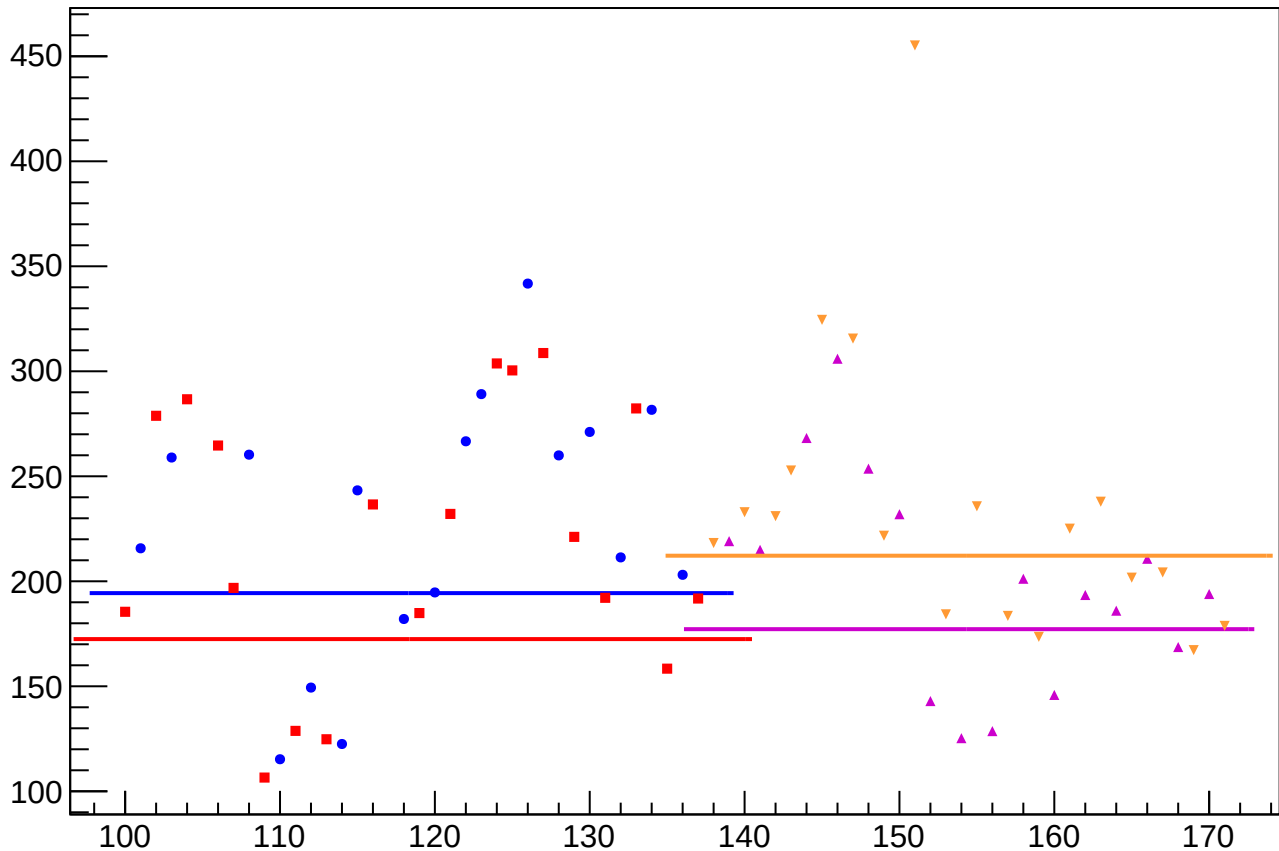
Left In: -42.502 $\pm$ 53.063 χ^2 /NDF: 5.4/15

+ sign 31.422 $\pm$ 47.912 χ^2 /NDF: 12.0/34

All: -2.853 $\pm$ 31.724 χ^2 /NDF: 24.9/69

- sign -29.611 $\pm$ 42.333 χ^2 /NDF: 12.0/34

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 212.182 $\pm$ 0.042 χ^2 /NDF: 1194300.9/17

Right Out: 172.471 $\pm$ 0.050 χ^2 /NDF: 1569648.4/18

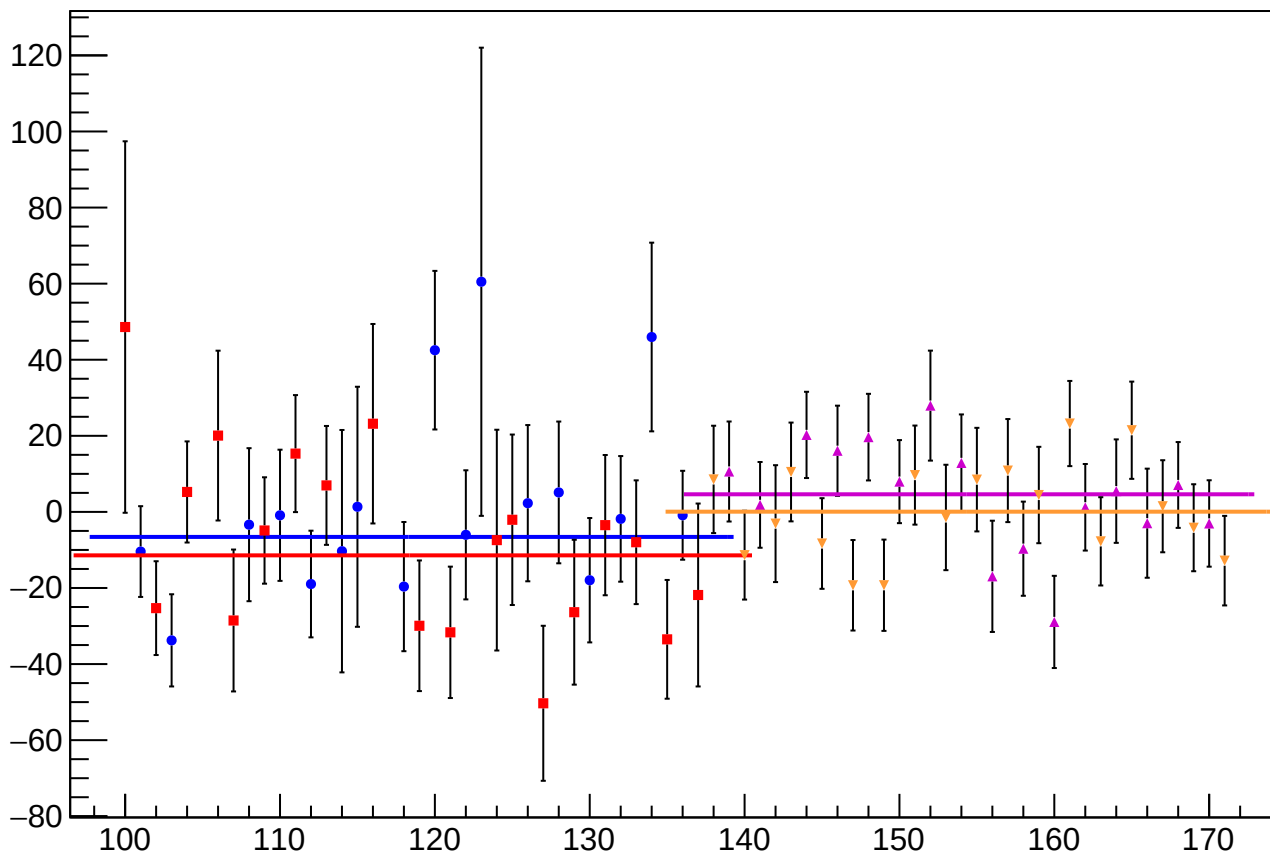
Left In: 177.202 $\pm$ 0.038 χ^2 /NDF: 1507954.6/15

+ sign 205.762 $\pm$ 0.034 χ^2 /NDF: 2263284.7/34

All: 188.758 $\pm$ 0.022 χ^2 /NDF: 5795278.6/69

- sign 175.482 $\pm$ 0.030 χ^2 /NDF: 3083381.6/34

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 ± 4.157 χ^2/NDF : 19.3/16

Left Out: 0.059 ± 2.949 χ^2/NDF : 18.3/17

Right Out: -11.423 ± 4.080 χ^2/NDF : 23.0/18

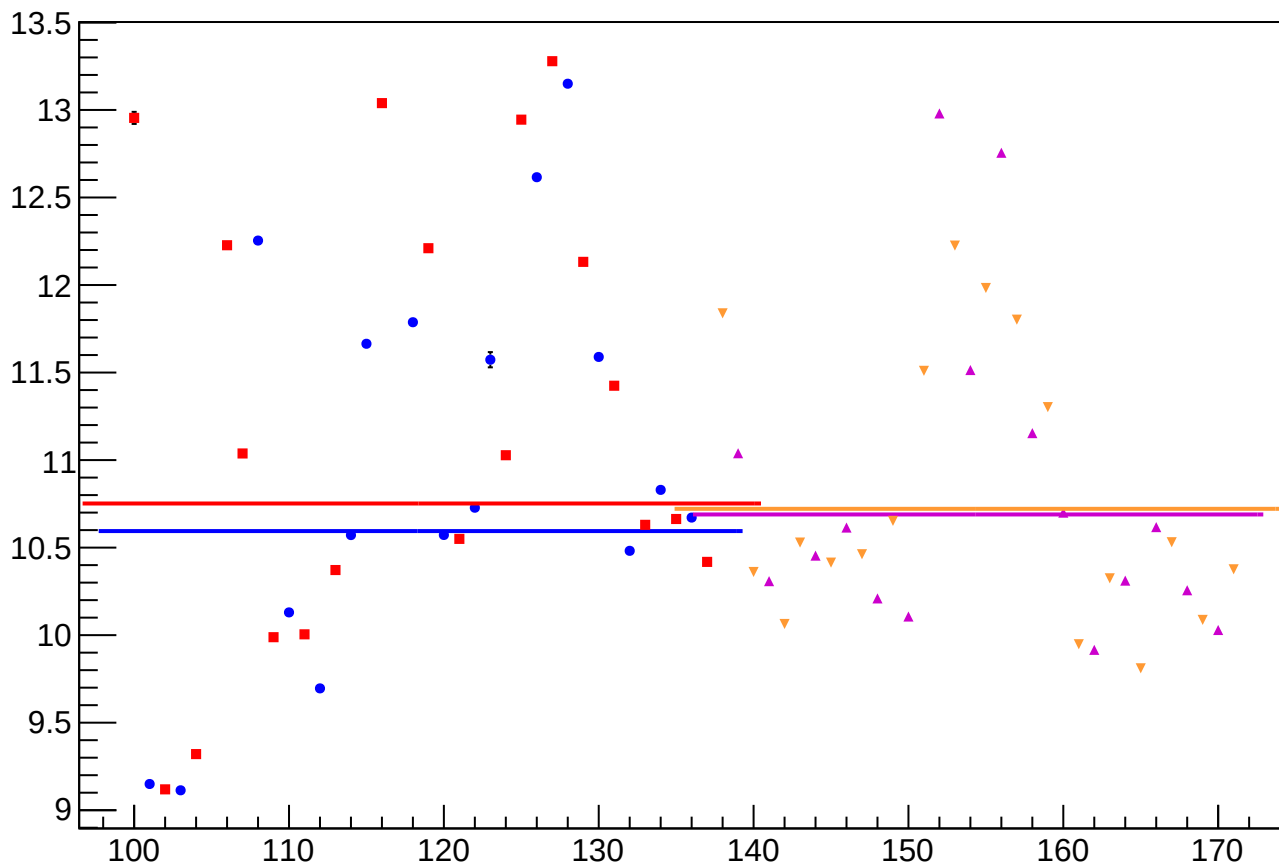
Left In: 4.630 ± 3.054 χ^2/NDF : 20.0/15

+ sign -2.162 ± 2.405 χ^2/NDF : 39.4/34

All: -1.657 ± 1.715 χ^2/NDF : 92.3/69

- sign -1.135 ± 2.445 χ^2/NDF : 52.9/34

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 ± 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.722 ± 0.002 χ^2/NDF : 116307.1/17

Right Out: 10.752 ± 0.003 χ^2/NDF : 177173.0/18

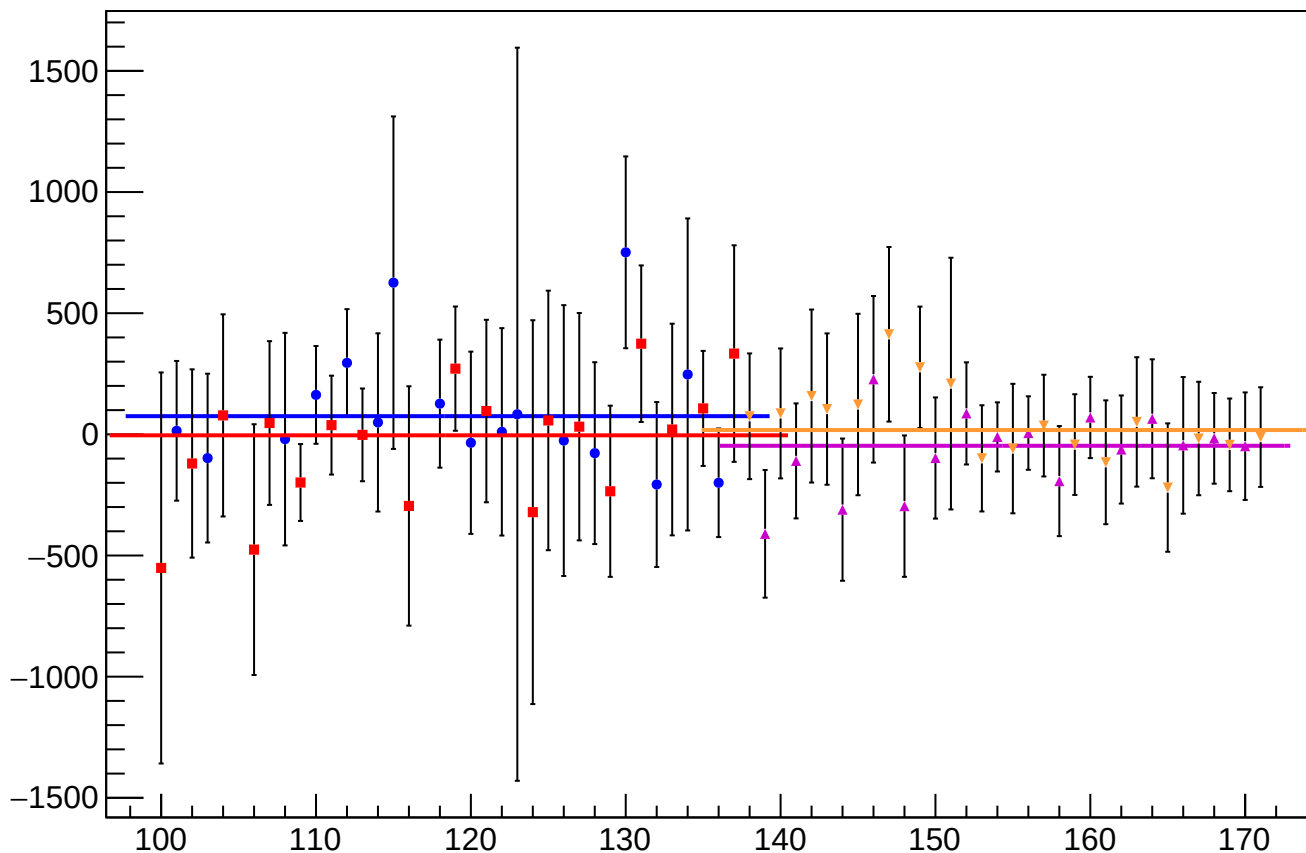
Left In: 10.689 ± 0.002 χ^2/NDF : 135788.3/15

+ sign 10.679 ± 0.002 χ^2/NDF : 277610.3/34

All: 10.695 ± 0.001 χ^2/NDF : 591057.1/69

- sign 10.712 ± 0.002 χ^2/NDF : 313263.4/34

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086+/-80.352 χ^2/NDF : 7.7/16

Left Out: 17.779+/-60.317 χ^2/NDF : 4.5/17

Right Out: -3.999+/-70.883 χ^2/NDF : 7.3/18

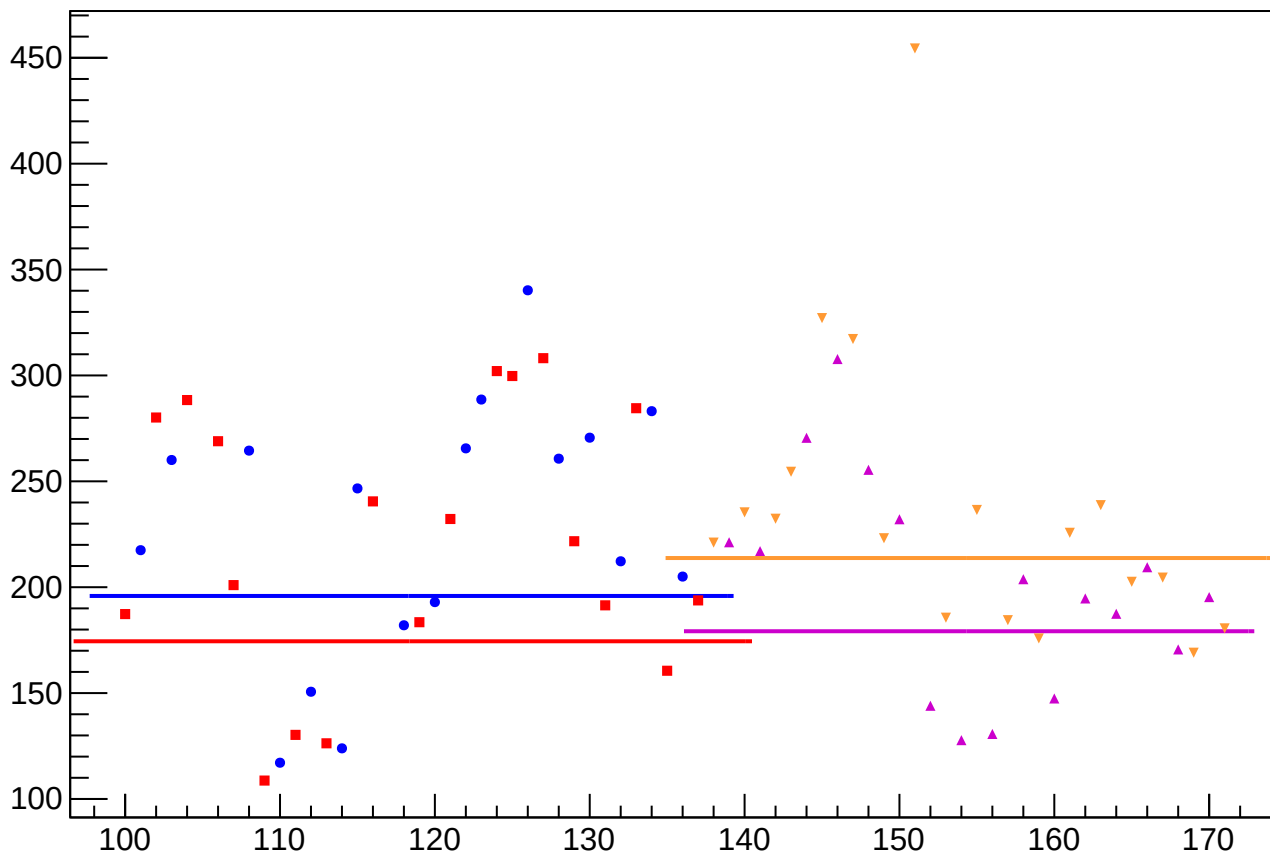
Left In: -47.150+/-53.591 χ^2/NDF : 5.9/15

+ sign 38.433+/-48.238 χ^2/NDF : 12.5/34

All: -0.713+/-31.993 χ^2/NDF : 27.2/69

- sign -31.456+/-42.748 χ^2/NDF : 13.5/34

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 213.779 $\pm$ 0.043 χ^2 /NDF: 1177402.3/17

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

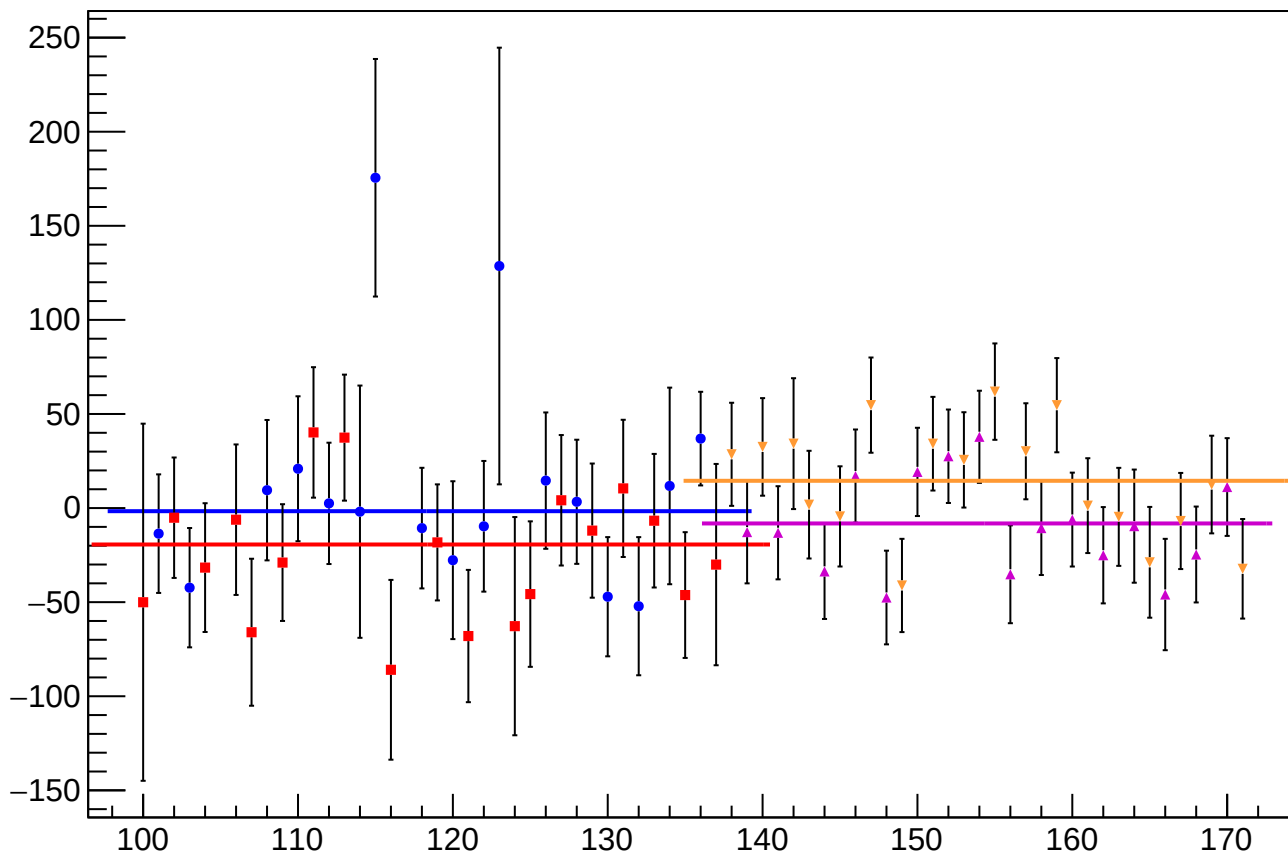
Left In: 179.205 $\pm$ 0.038 χ^2 /NDF: 1465939.5/15

+ sign 207.324 $\pm$ 0.034 χ^2 /NDF: 2220206.0/34

All: 190.609 $\pm$ 0.023 χ^2 /NDF: 5649378.2/69

- sign 177.481 $\pm$ 0.030 χ^2 /NDF: 3000407.7/34

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 14.492 ± 6.208 χ^2/NDF : 23.3/17

Right Out: -19.357 ± 8.556 χ^2/NDF : 14.8/18

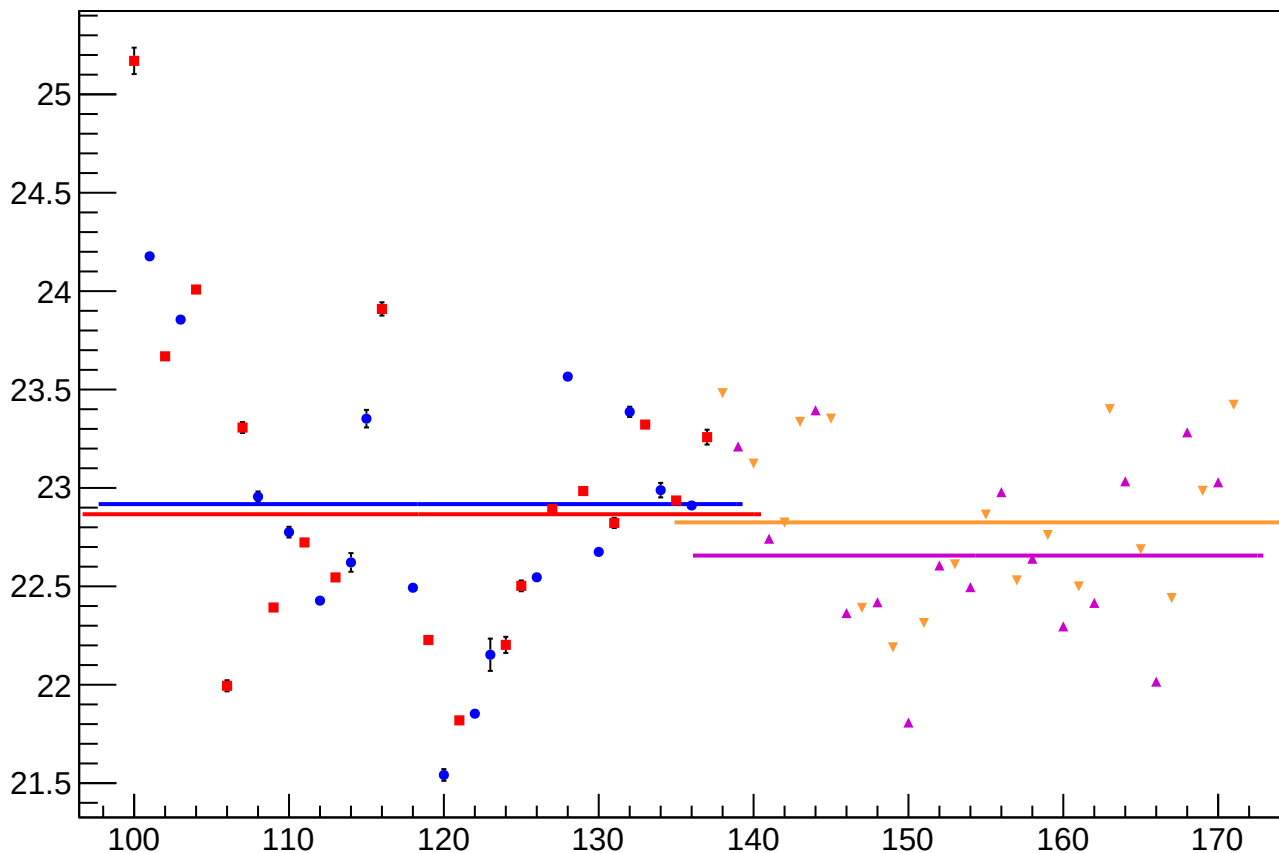
Left In: -8.174 ± 6.403 χ^2/NDF : 15.7/15

+ sign 9.192 ± 5.088 χ^2/NDF : 44.1/34

All: -1.418 ± 3.611 χ^2/NDF : 84.4/69

- sign -12.189 ± 5.126 χ^2/NDF : 31.6/34

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.825 $\pm$ 0.004 χ^2 /NDF: 8911.8/17

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

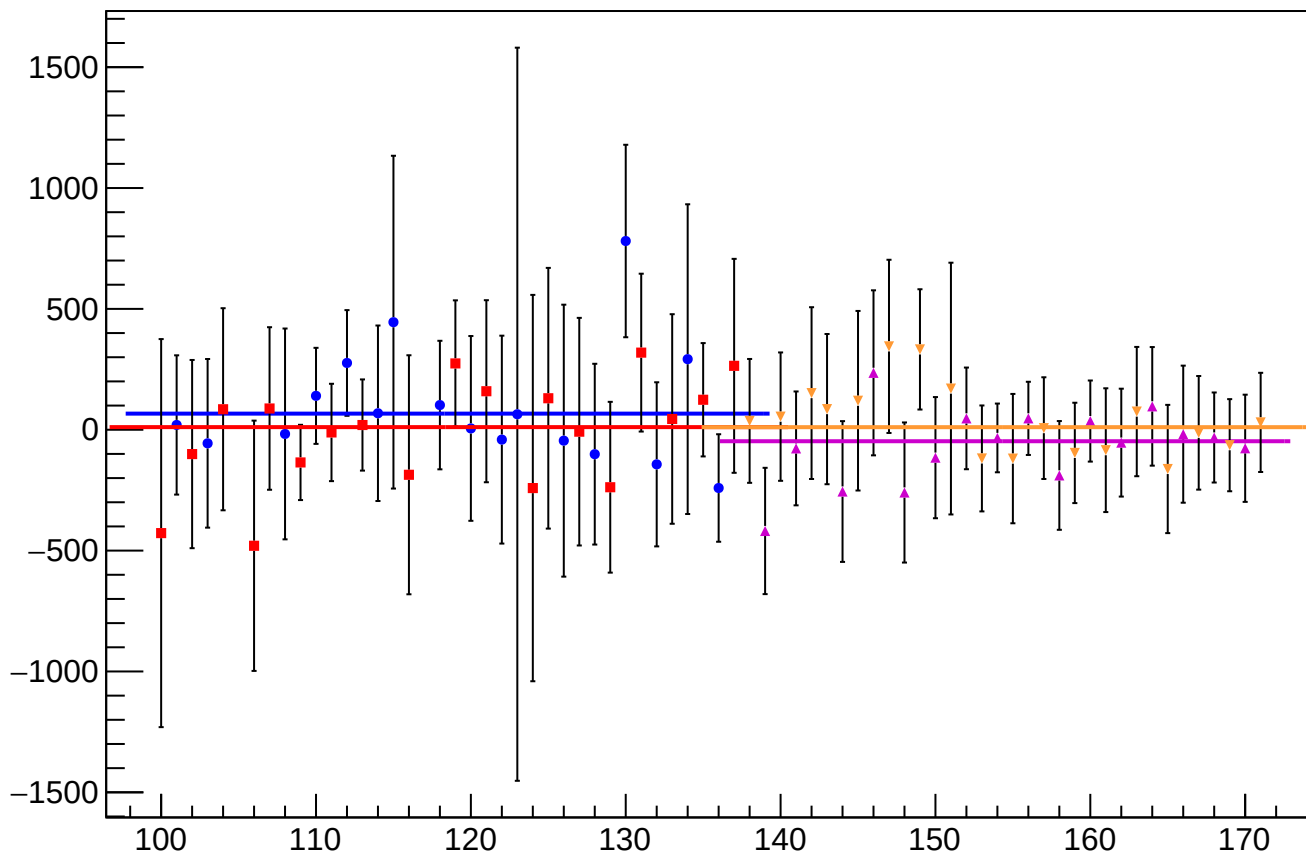
Left In: 22.656 $\pm$ 0.005 χ^2 /NDF: 9503.8/15

+ sign 22.856 $\pm$ 0.004 χ^2 /NDF: 20530.8/34

All: 22.794 $\pm$ 0.003 χ^2 /NDF: 42446.0/69

- sign 22.732 $\pm$ 0.004 χ^2 /NDF: 21328.5/34

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 10.655 $\pm$ 60.191 χ^2 /NDF: 4.6/17

Right Out: 10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

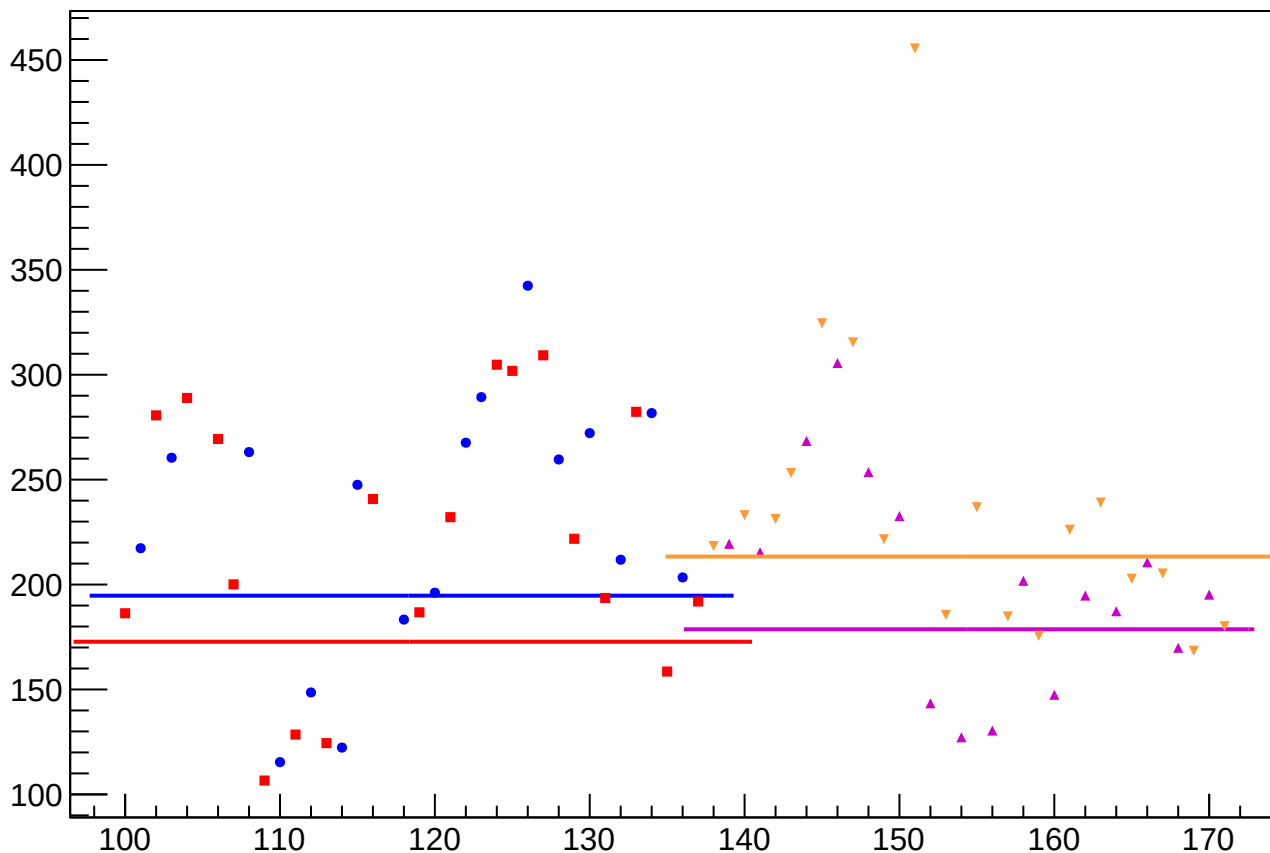
Left In: -47.517 $\pm$ 53.438 χ^2 /NDF: 5.5/15

+ sign 30.915 $\pm$ 48.097 χ^2 /NDF: 12.5/34

All: -1.099 $\pm$ 31.874 χ^2 /NDF: 24.9/69

- sign -26.168 $\pm$ 42.561 χ^2 /NDF: 11.6/34

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 213.344+/-0.043 χ^2/NDF : 1168797.0/17

Right Out: 172.753+/-0.050 χ^2/NDF : 1596944.9/18

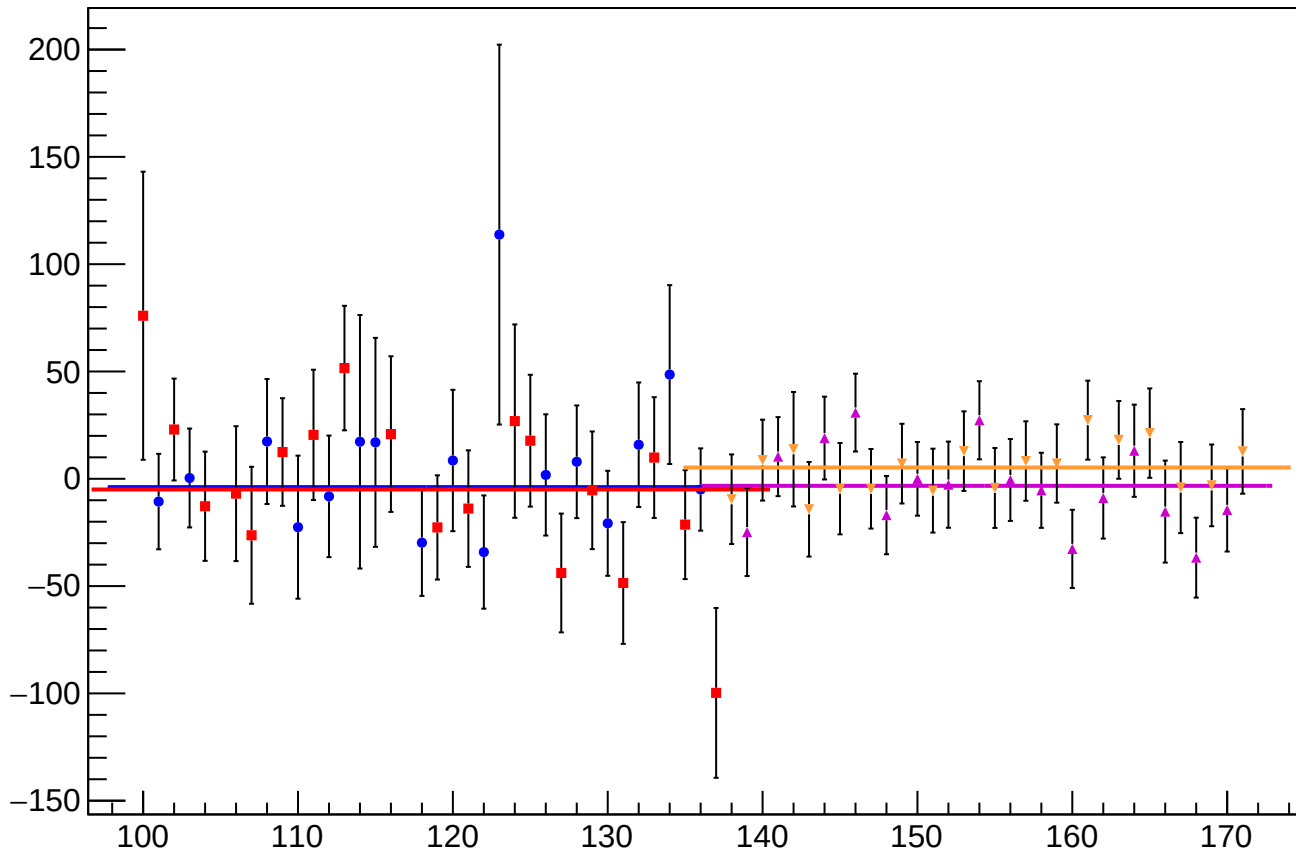
Left In: 178.691+/-0.038 χ^2/NDF : 1455824.5/15

+ sign 206.605+/-0.034 χ^2/NDF : 2258014.4/34

All: 189.733+/-0.023 χ^2/NDF : 5758683.0/69

- sign 176.520+/-0.030 χ^2/NDF : 3061798.0/34

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 5.263 ± 4.624 χ^2/NDF : 5.8/17

Right Out: -4.985 ± 6.727 χ^2/NDF : 21.3/18

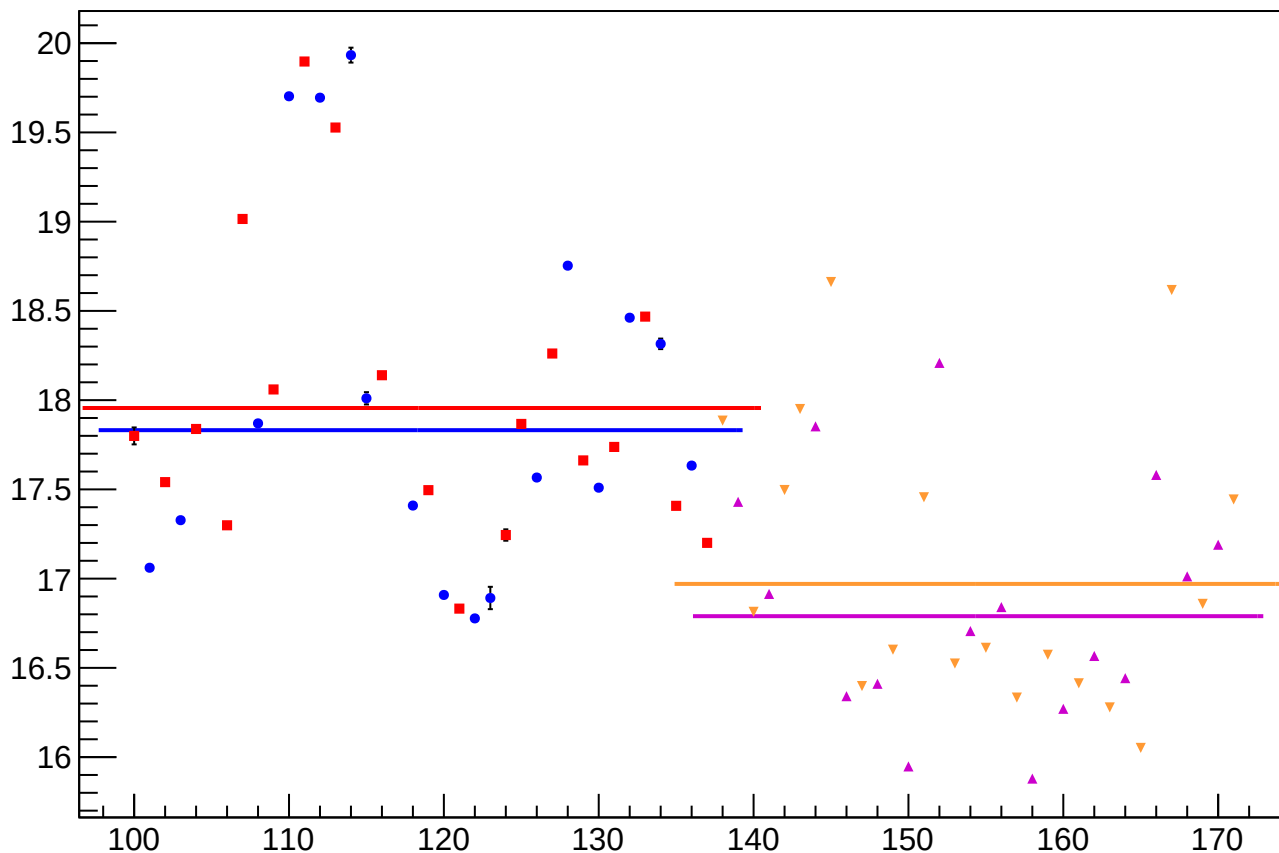
Left In: -3.276 ± 4.754 χ^2/NDF : 17.1/15

+ sign 2.434 ± 3.844 χ^2/NDF : 15.4/34

All: -0.674 ± 2.731 χ^2/NDF : 55.1/69

- sign -3.845 ± 3.882 χ^2/NDF : 38.4/34

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 16.970 $\pm$ 0.003 χ^2 /NDF: 52363.7/17

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

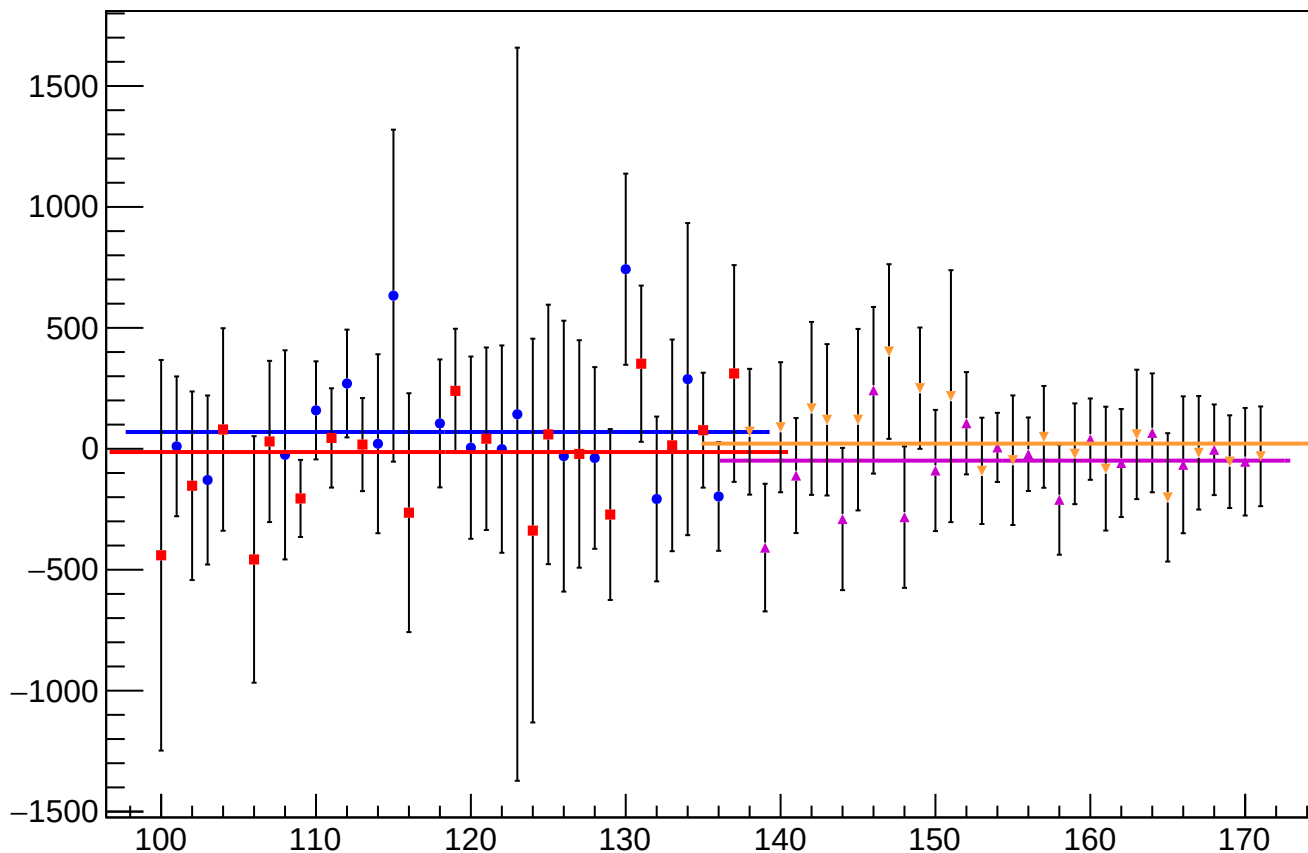
Left In: 16.790 $\pm$ 0.003 χ^2 /NDF: 36247.6/15

+ sign 17.237 $\pm$ 0.003 χ^2 /NDF: 104672.0/34

All: 17.208 $\pm$ 0.002 χ^2 /NDF: 206696.6/69

- sign 17.178 $\pm$ 0.003 χ^2 /NDF: 101796.0/34

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 21.465 $\pm$ 60.453 χ^2 /NDF: 4.0/17

Right Out: -13.410 $\pm$ 71.041 χ^2 /NDF: 6.7/18

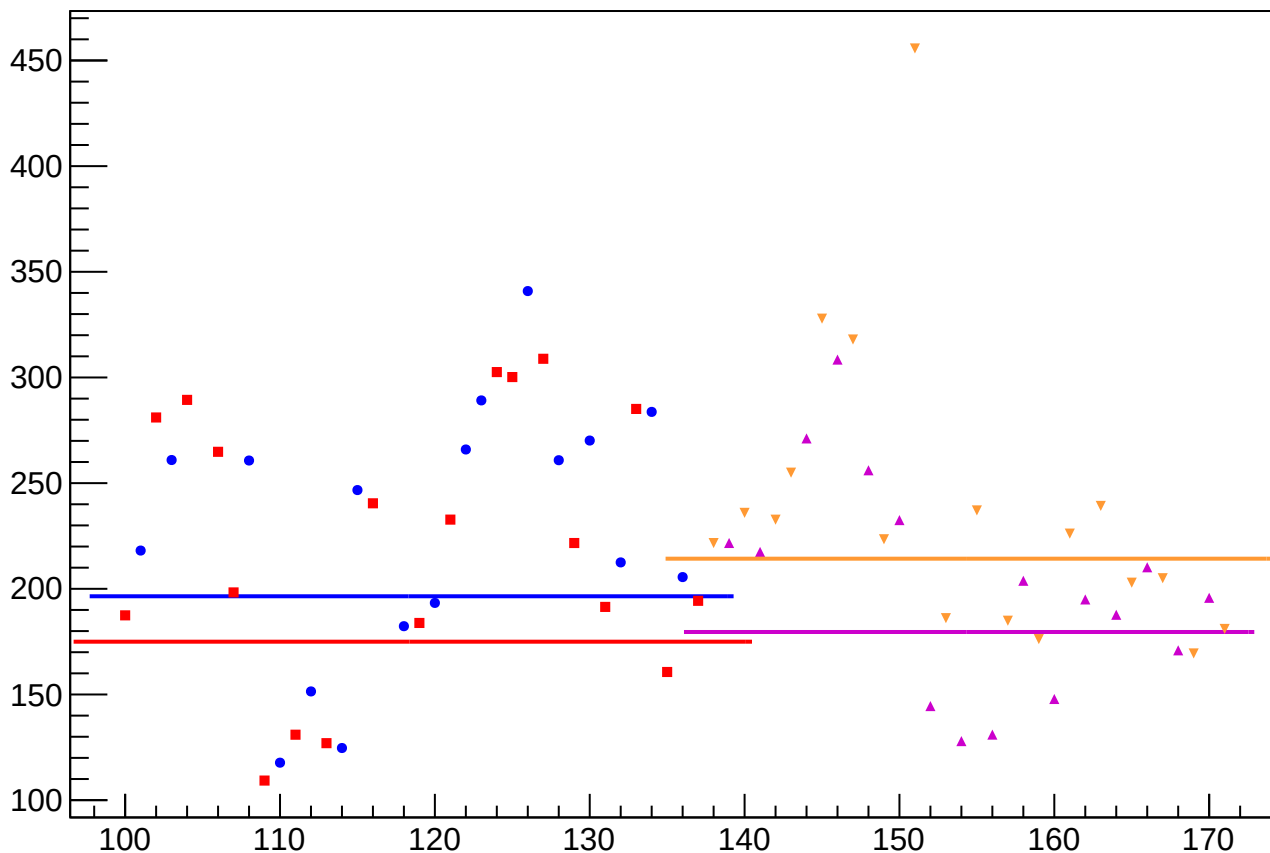
Left In: -48.956 $\pm$ 53.700 χ^2 /NDF: 5.8/15

+ sign 38.776 $\pm$ 48.351 χ^2 /NDF: 11.6/34

All: -3.133 $\pm$ 32.064 χ^2 /NDF: 25.6/69

- sign -36.031 $\pm$ 42.838 χ^2 /NDF: 12.6/34

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 214.259 $\pm$ 0.043 χ^2 /NDF:1177404.3/17

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

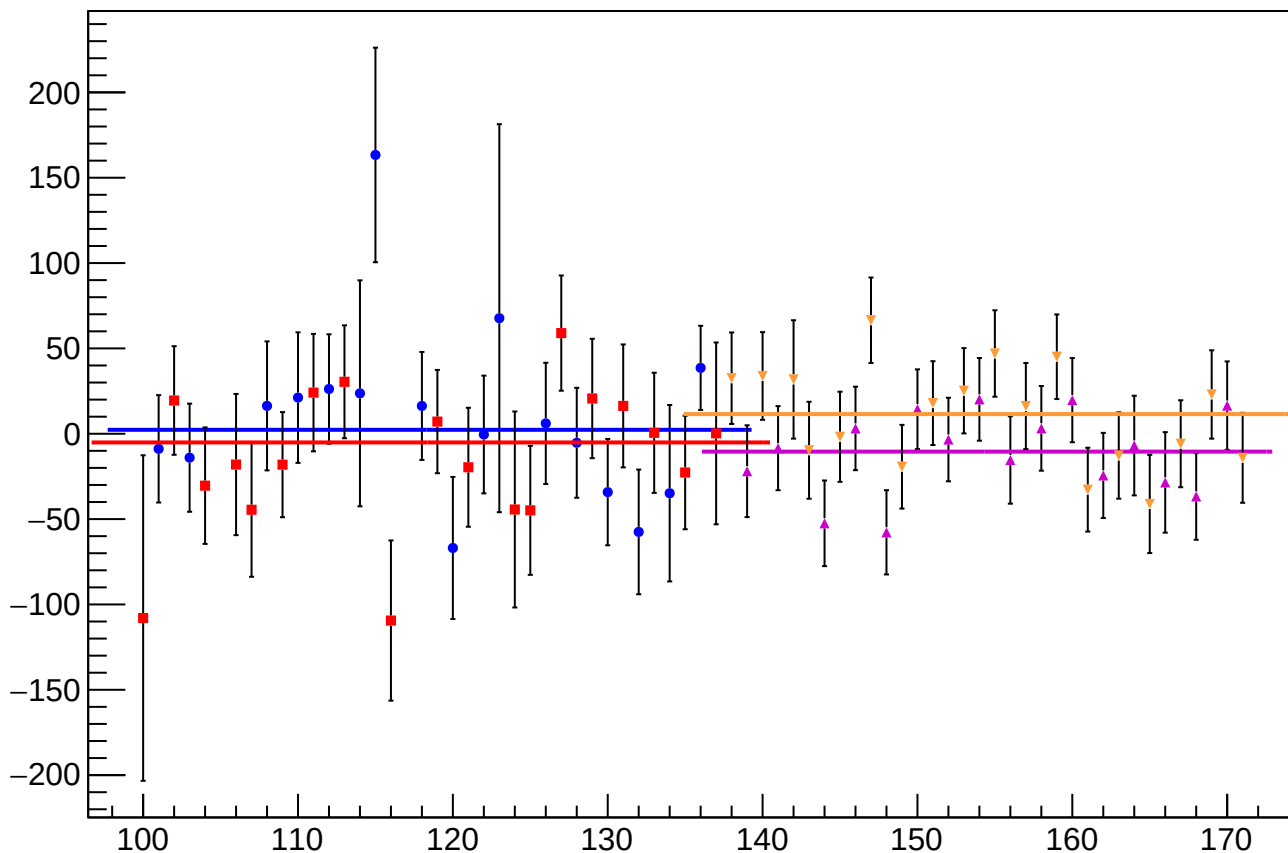
Left In: 179.569 $\pm$ 0.038 χ^2 /NDF:1465726.9/15

+ sign 207.849 $\pm$ 0.034 χ^2 /NDF: 2204079.8/34

All: 191.071 $\pm$ 0.023 χ^2 /NDF: 5616104.0/69

- sign 177.900 $\pm$ 0.030 χ^2 /NDF: 2982136.4/34

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 $\pm$ 8.805 χ^2/NDF : 18.1/16

Left Out: 11.513 $\pm$ 6.132 χ^2/NDF :22.3/17

Right Out: -5.089 $\pm$ 8.479 χ^2/NDF : 17.1/18

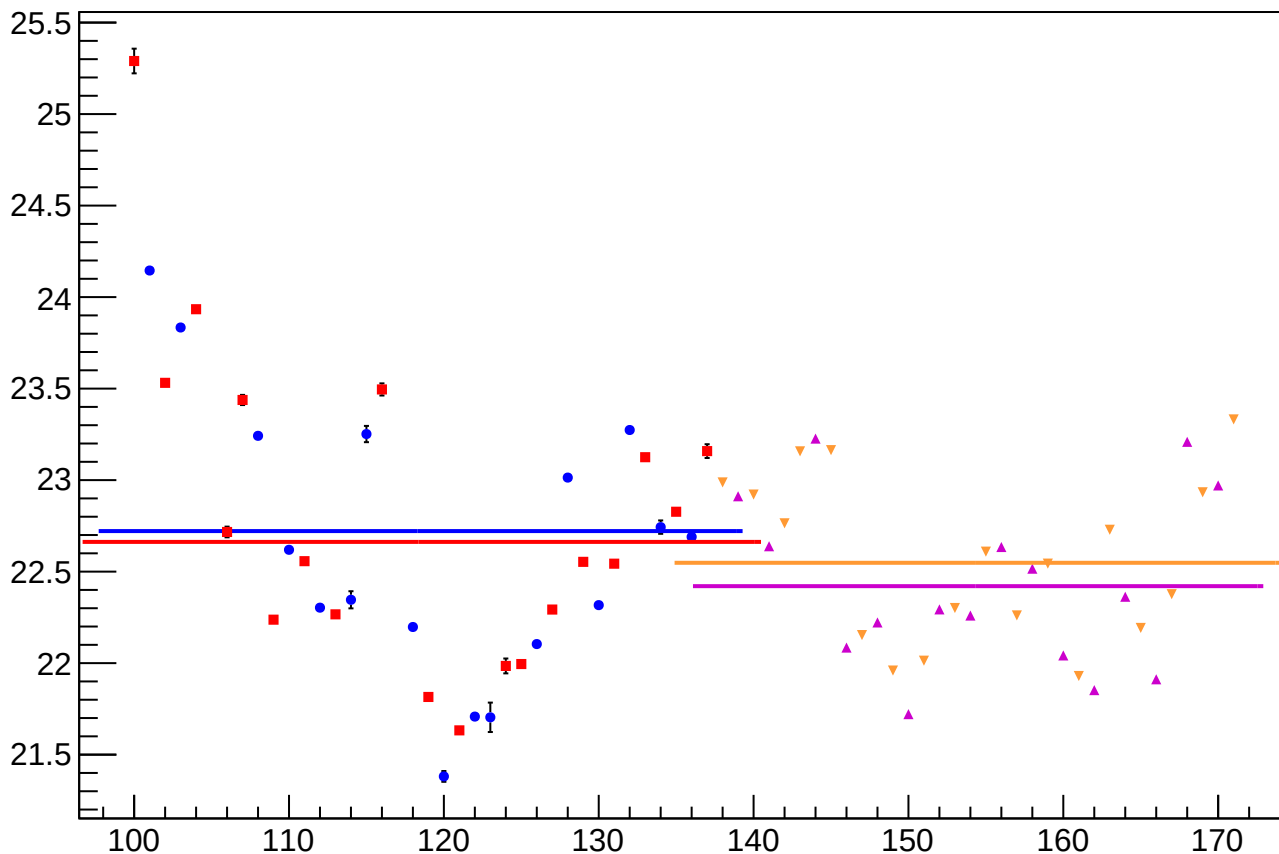
Left In: -10.468 $\pm$ 6.336 χ^2/NDF :14.5/15

+ sign 8.506 $\pm$ 5.032 χ^2/NDF : 41.1/34

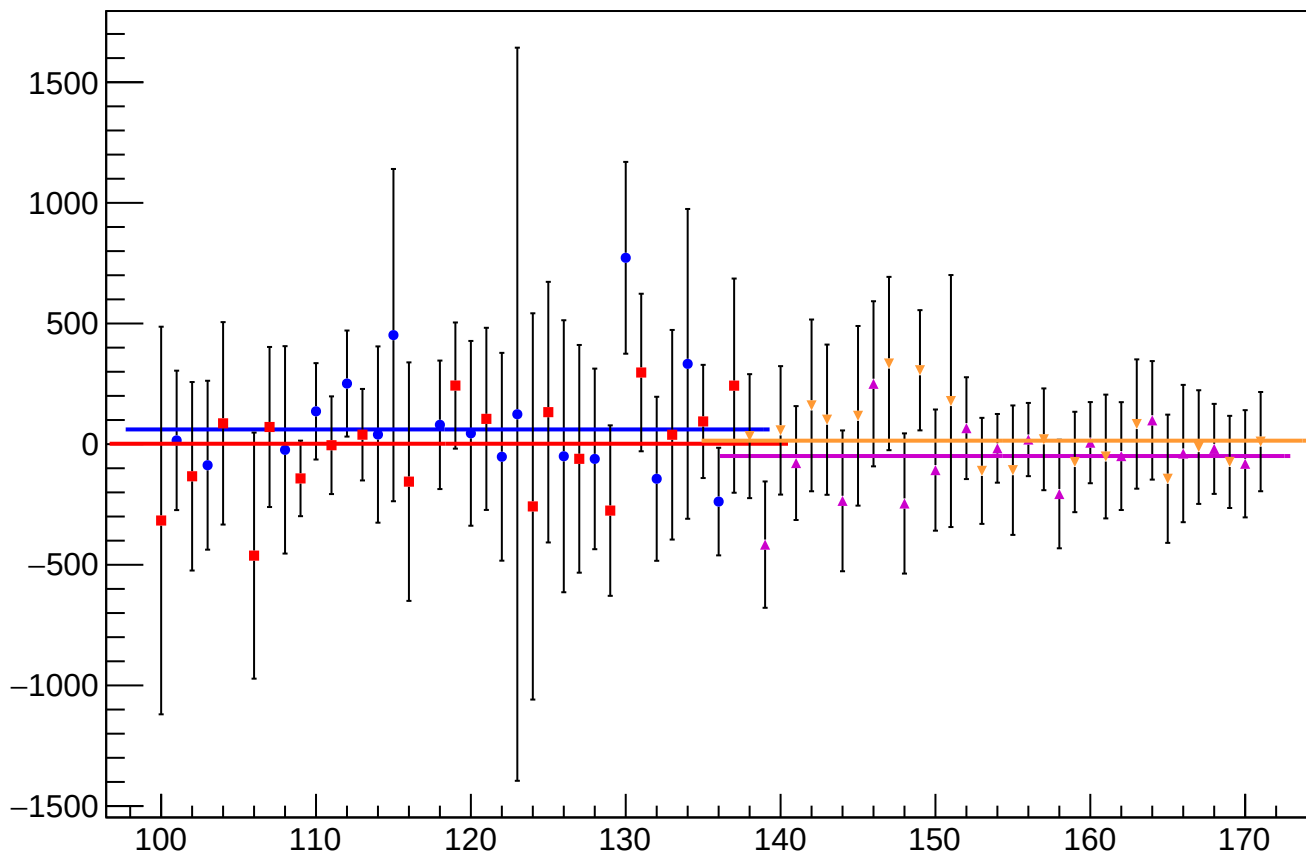
All: 0.056 $\pm$ 3.573 χ^2/NDF : 78.7/69

- sign -8.541 $\pm$ 5.075 χ^2/NDF : 31.9/34

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 14.393 $\pm$ 60.327 χ^2 /NDF: 4.0/17

Right Out: 1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

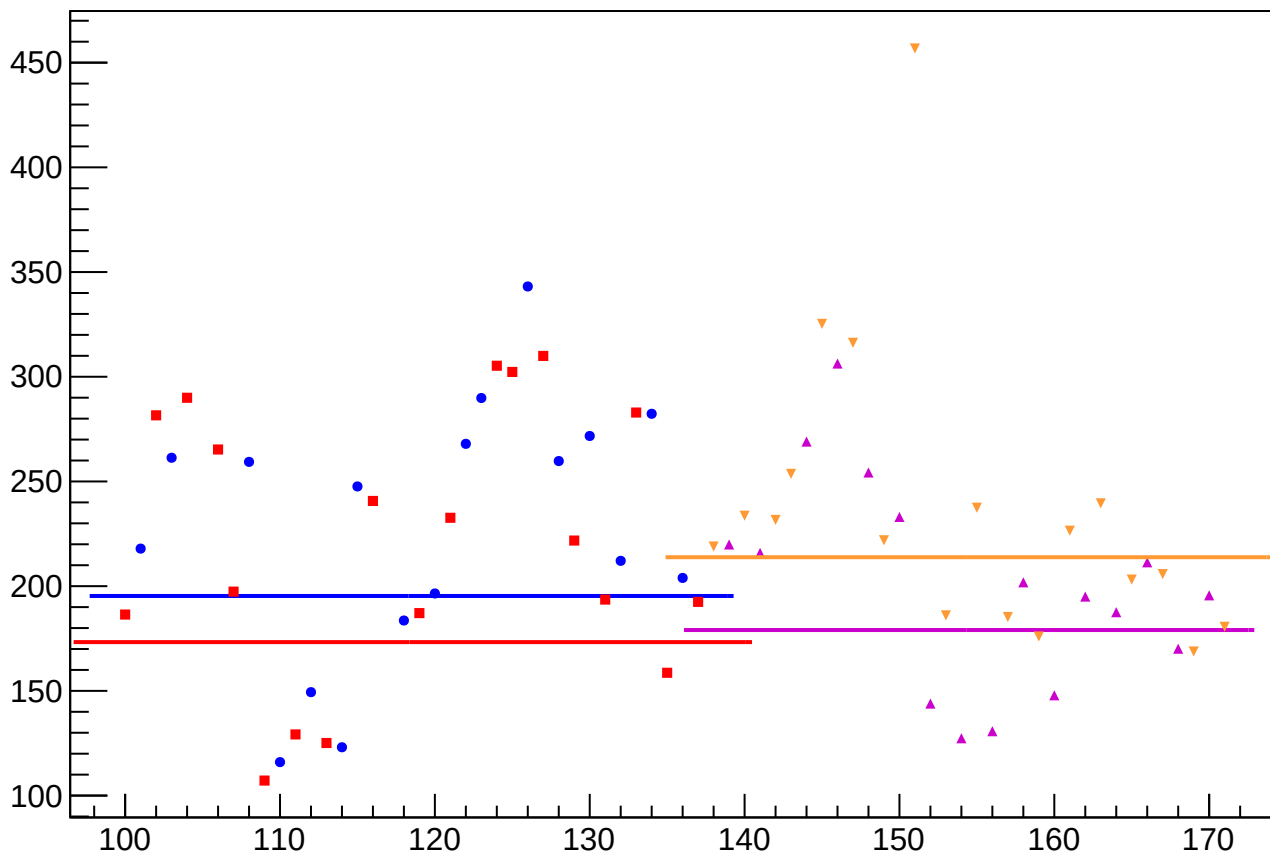
Left In: -49.254 $\pm$ 53.546 χ^2 /NDF: 5.2/15

+ sign 31.221 $\pm$ 48.210 χ^2 /NDF: 11.5/34

All: -3.484 $\pm$ 31.945 χ^2 /NDF: 23.1/69

- sign -30.649 $\pm$ 42.652 χ^2 /NDF: 10.7/34

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 213.822 $\pm$ 0.043 χ^2 /NDF:1168801.1/17

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

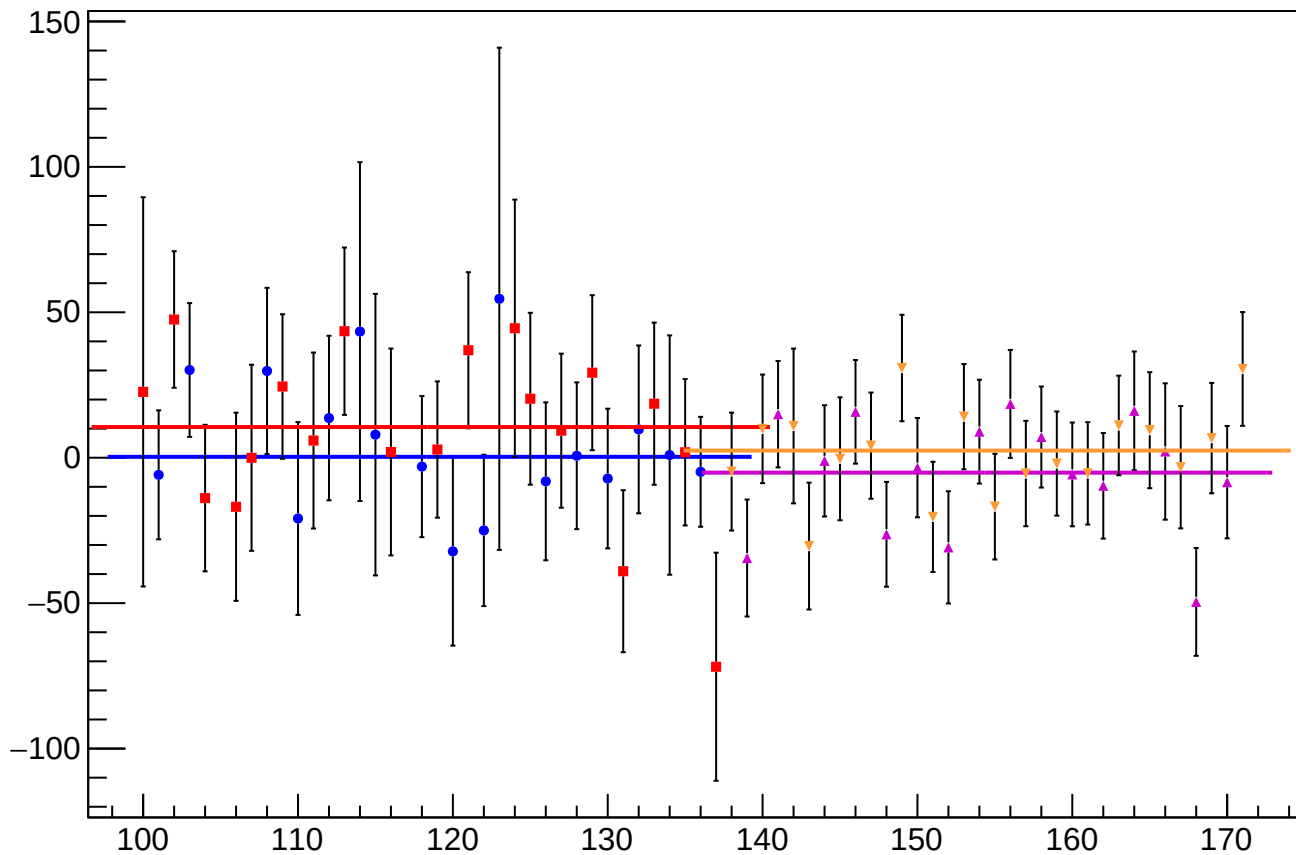
Left In: 179.053 $\pm$ 0.038 χ^2 /NDF:1455707.5/15

+ sign 207.135 $\pm$ 0.034 χ^2 /NDF: 2241030.8/34

All: 190.200 $\pm$ 0.023 χ^2 /NDF: 5723548.6/69

- sign 176.945 $\pm$ 0.030 χ^2 /NDF: 3042572.1/34

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: 2.460 ± 4.523 χ^2/NDF : 11.1/17

Right Out: 10.553 ± 6.628 χ^2/NDF : 16.0/18

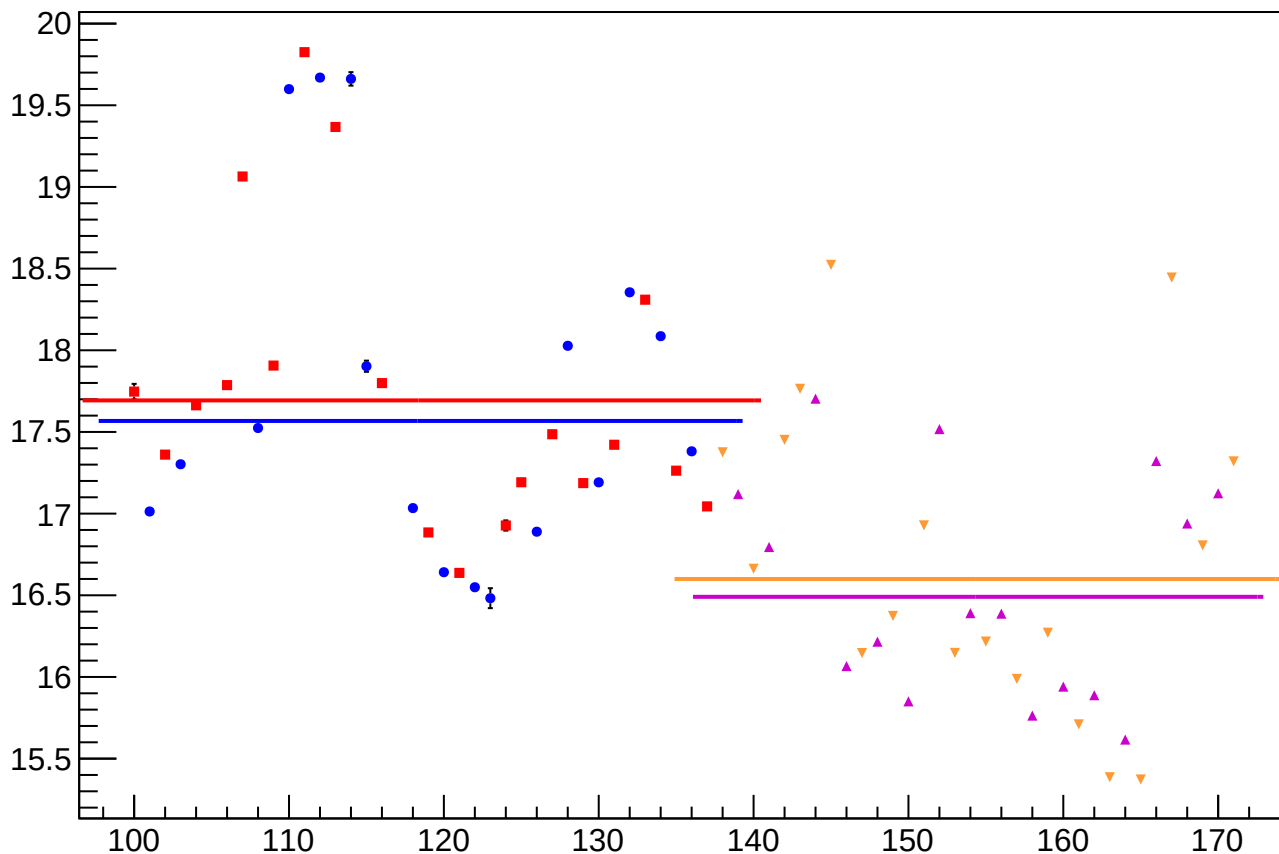
Left In: -5.125 ± 4.668 χ^2/NDF : 17.7/15

+ sign 1.801 ± 3.768 χ^2/NDF : 17.9/34

All: 0.948 ± 2.681 χ^2/NDF : 55.5/69

- sign 0.073 ± 3.816 χ^2/NDF : 37.5/34

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.600 $\pm$ 0.003 χ^2 /NDF: 75574.7/17

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

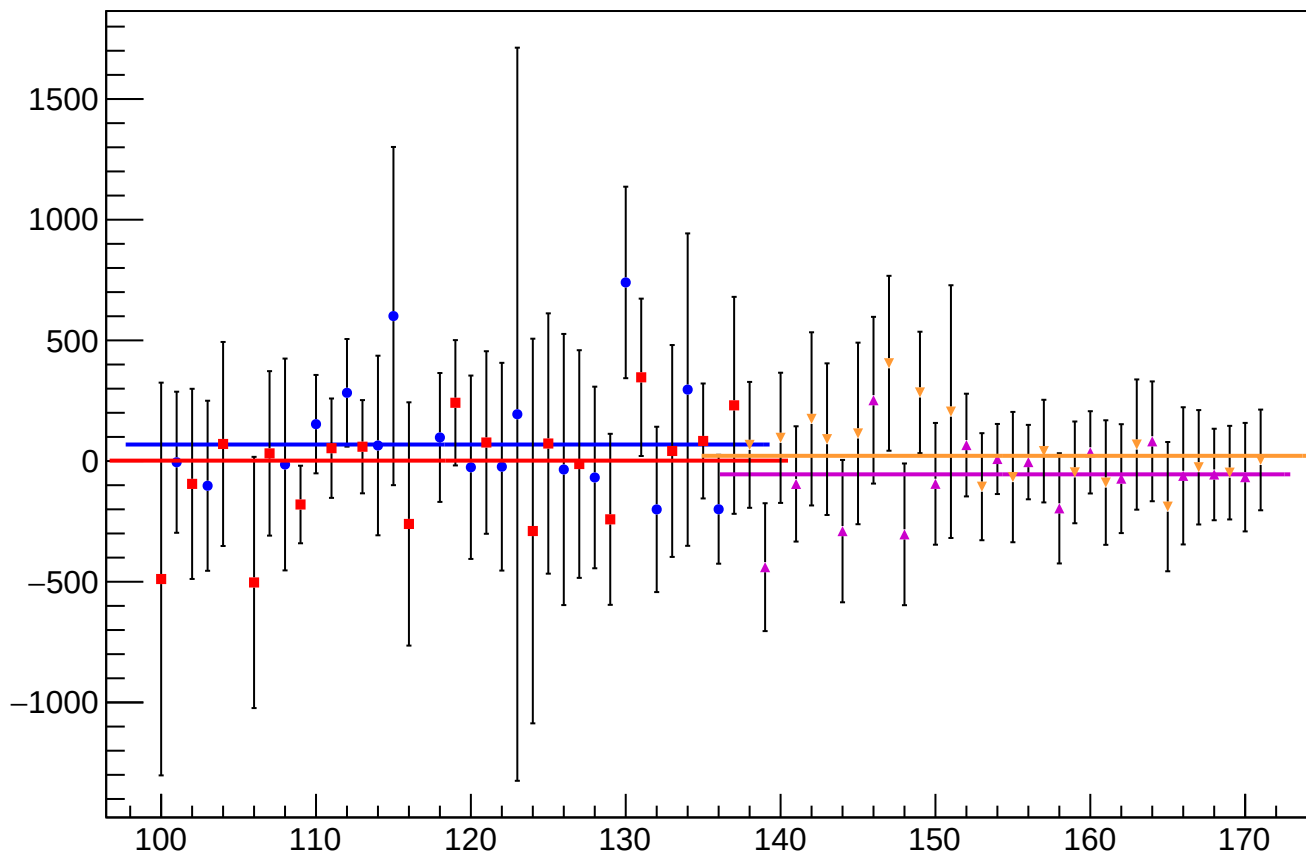
Left In: 16.491 $\pm$ 0.003 χ^2 /NDF: 37881.4/15

+ sign 16.896 $\pm$ 0.003 χ^2 /NDF: 136715.9/34

All: 16.893 $\pm$ 0.002 χ^2 /NDF: 249378.9/69

- sign 16.889 $\pm$ 0.003 χ^2 /NDF: 112660.0/34

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553 ± 81.018 χ^2/NDF : 7.3/16

Left Out: 21.751 ± 60.943 χ^2/NDF : 4.3/17

Right Out: 1.831 ± 71.538 χ^2/NDF : 6.1/18

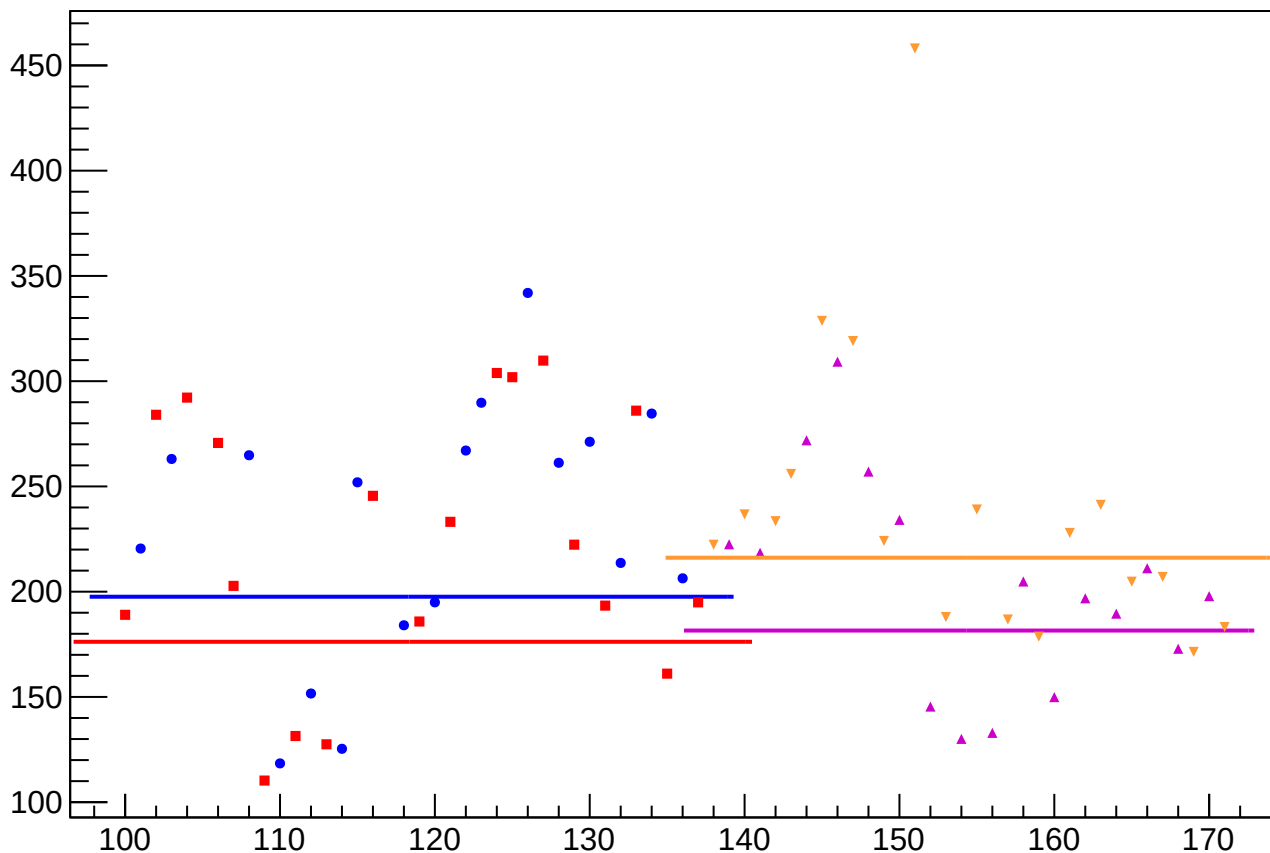
Left In: -54.989 ± 54.229 χ^2/NDF : 5.9/15

+ sign 38.663 ± 48.703 χ^2/NDF : 11.8/34

All: -2.133 ± 32.325 χ^2/NDF : 25.5/69

- sign -34.254 ± 43.216 χ^2/NDF : 12.4/34

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 216.141 $\pm$ 0.043 χ^2 /NDF: 1151363.5/17

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

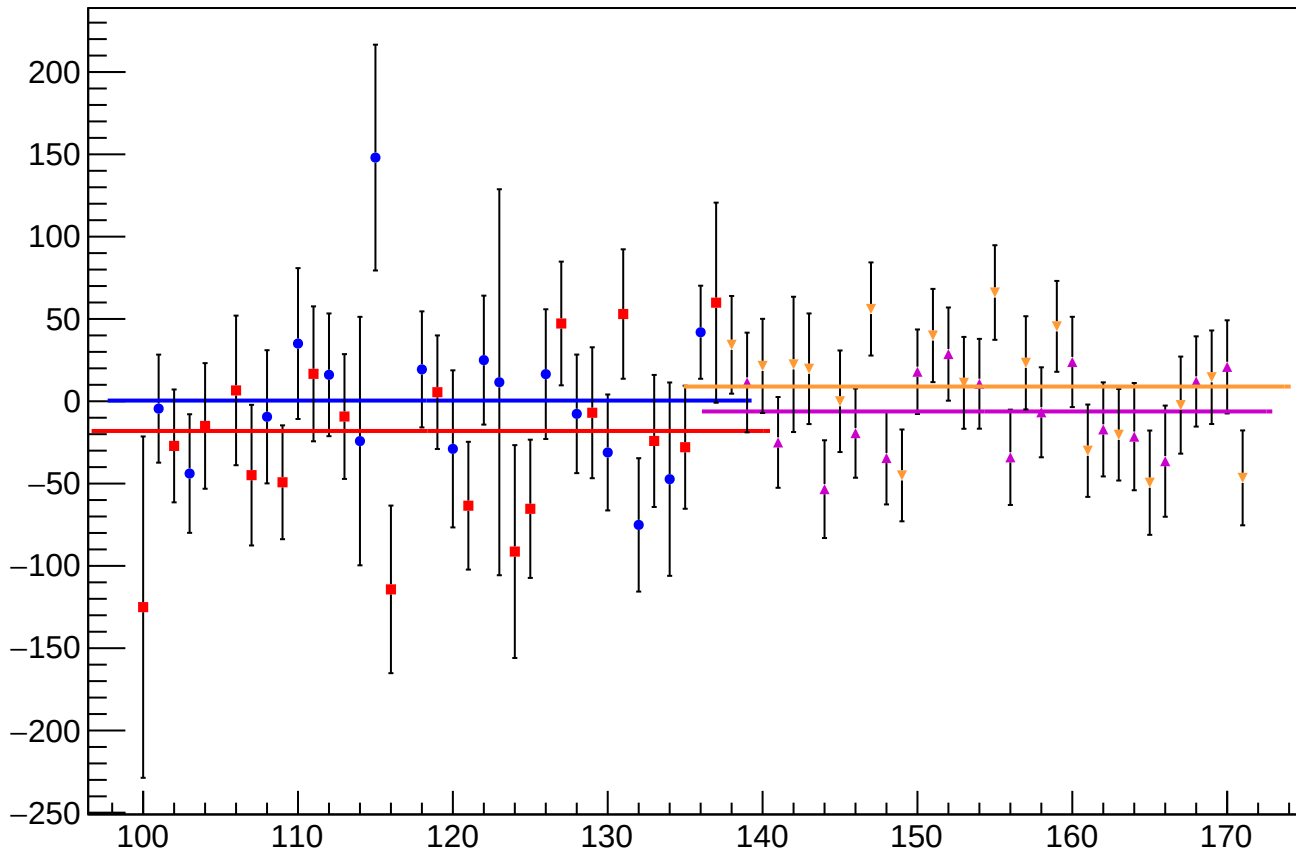
Left In: 181.537 $\pm$ 0.038 χ^2 /NDF: 1421234.9/15

+ sign 209.442 $\pm$ 0.034 χ^2 /NDF: 2187059.9/34

All: 192.740 $\pm$ 0.023 χ^2 /NDF: 5555596.1/69

- sign 179.590 $\pm$ 0.031 χ^2 /NDF: 2948134.1/34

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 $\pm$ 9.884 χ^2/NDF : 15.5/16

Left Out: 8.942 $\pm$ 6.920 χ^2/NDF :25.2/17

Right Out: -18.044 $\pm$ 9.499 χ^2/NDF : 19.5/18

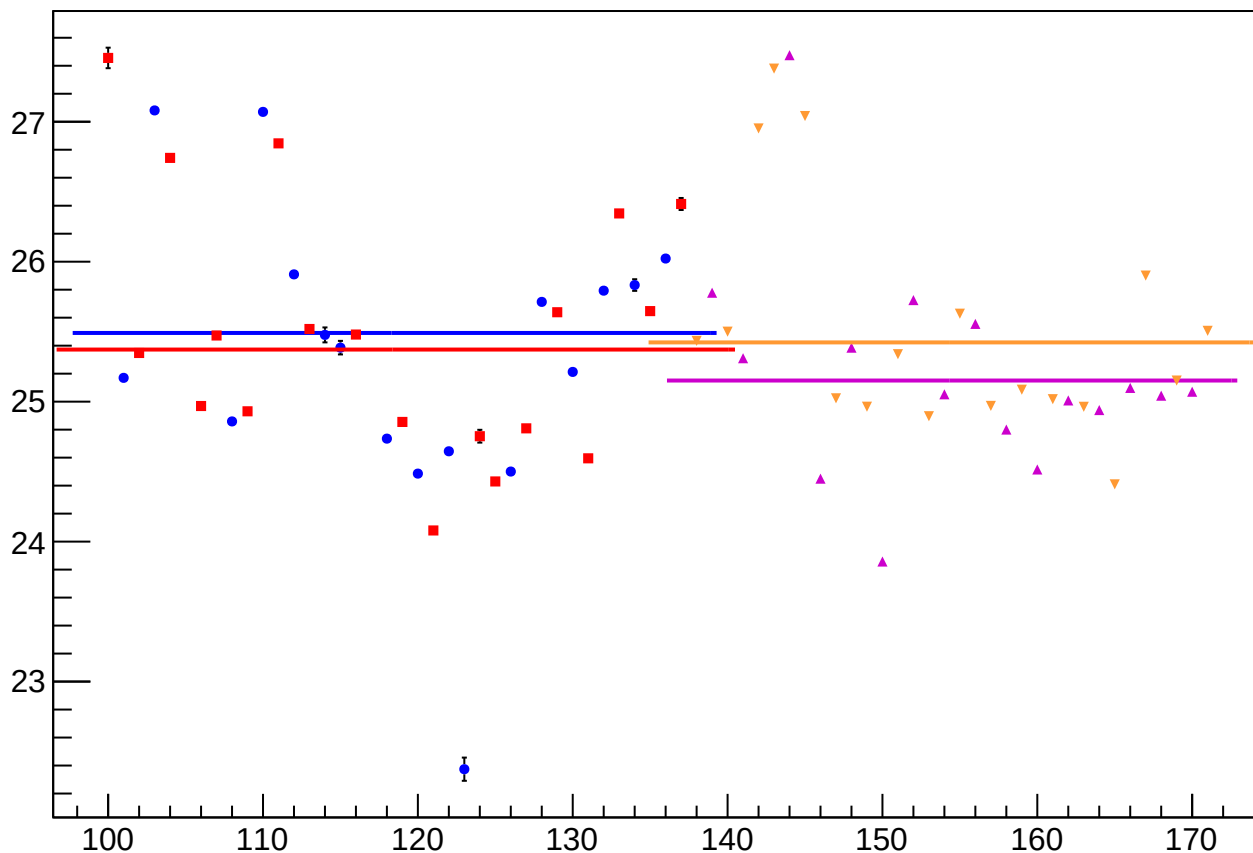
Left In: -6.188 $\pm$ 7.115 χ^2/NDF :12.0/15

+ sign 6.141 $\pm$ 5.669 χ^2/NDF : 41.2/34

All: -2.116 $\pm$ 4.018 χ^2/NDF : 77.9/69

- sign -10.449 $\pm$ 5.695 χ^2/NDF : 32.5/34

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 25.423 $\pm$ 0.005 χ^2 /NDF:21392.6/17

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

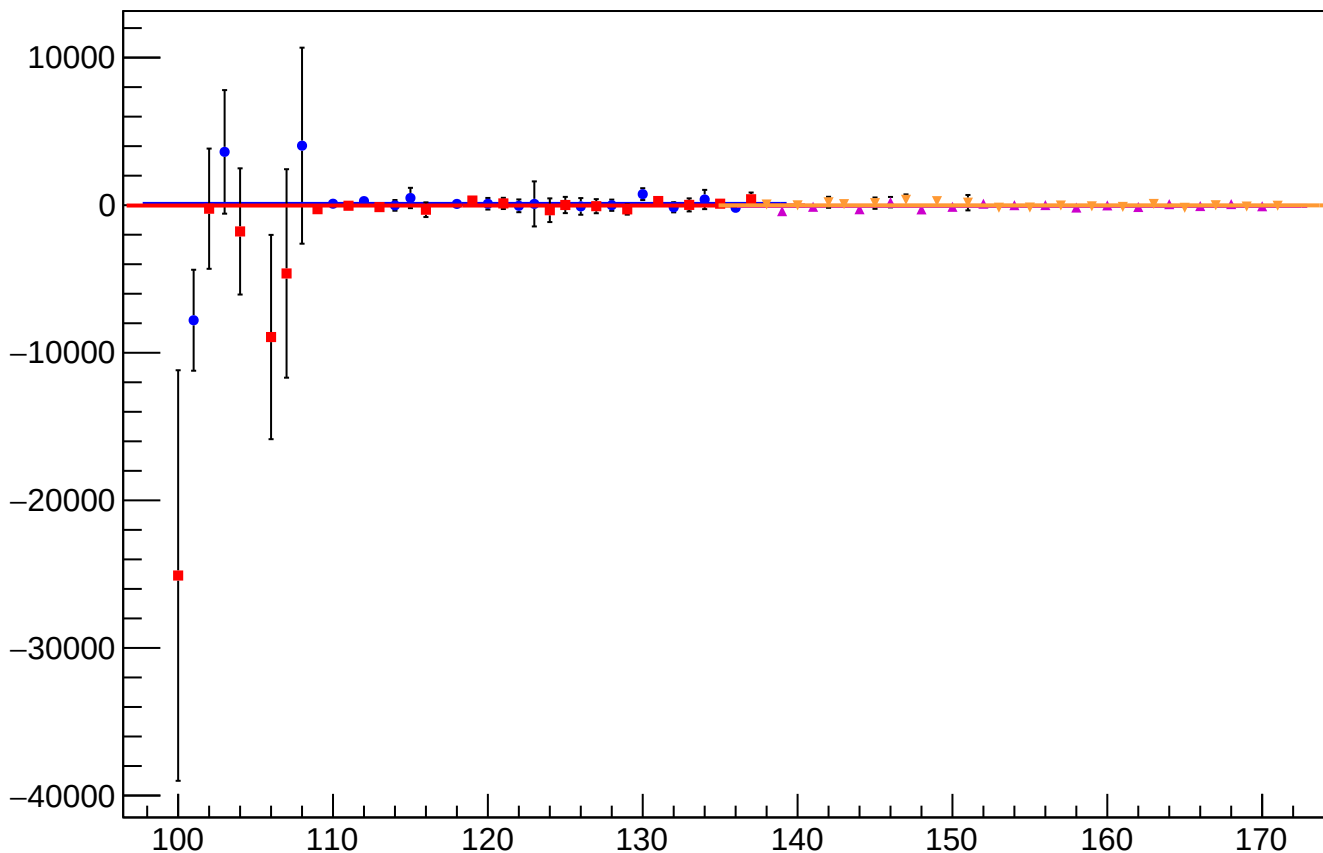
Left In: 25.151 $\pm$ 0.005 χ^2 /NDF:22563.7/15

+ sign 25.446 $\pm$ 0.004 χ^2 /NDF: 35168.4/34

All: 25.338 $\pm$ 0.003 χ^2 /NDF: 73410.4/69

- sign 25.230 $\pm$ 0.004 χ^2 /NDF: 36809.5/34

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: -12.510+/-61.317 χ^2/NDF : 4.7/17

Right Out: -23.352+/-80.948 χ^2/NDF : 11.9/18

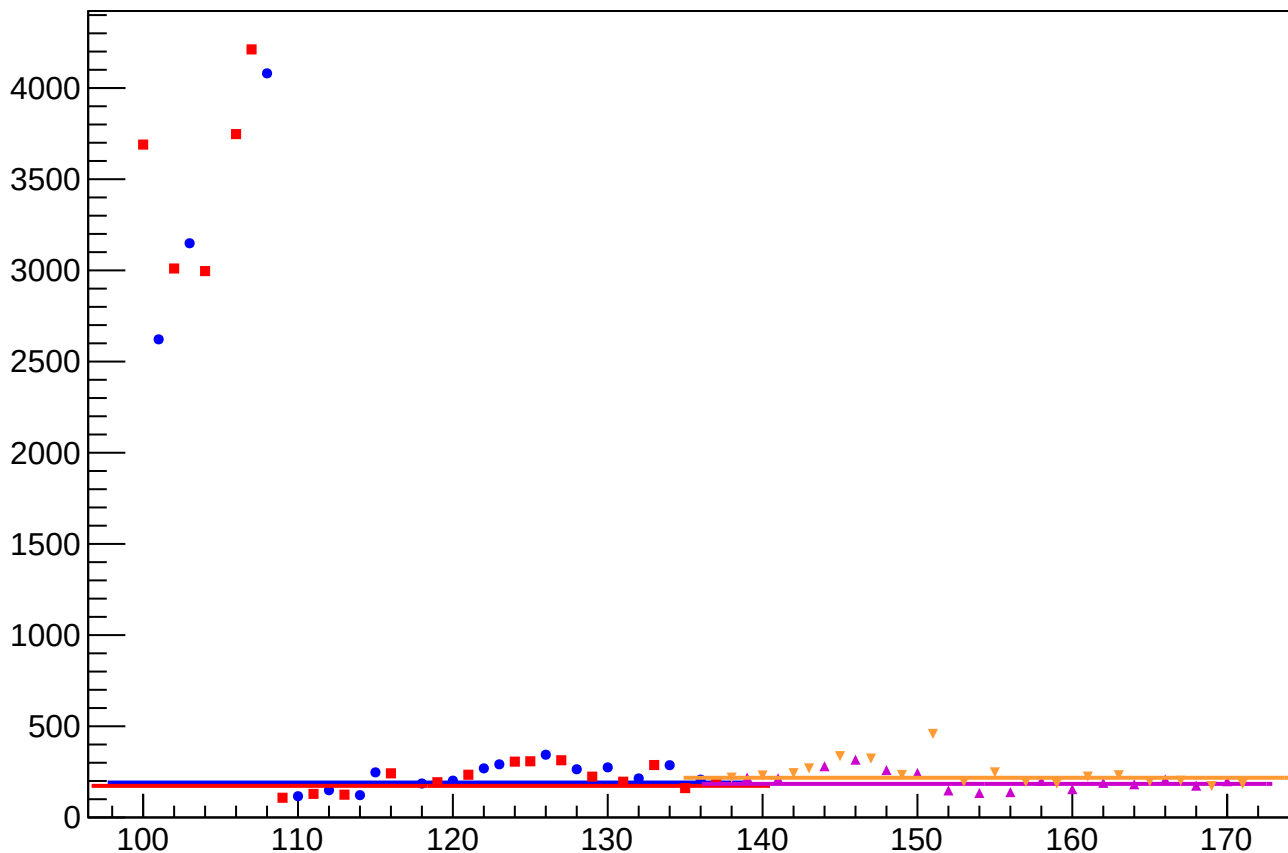
Left In: -49.392+/-54.847 χ^2/NDF : 5.5/15

+ sign 19.659+/-50.387 χ^2/NDF : 18.0/34

All: -13.926+/-33.731 χ^2/NDF : 36.3/69

- sign -41.199+/-45.406 χ^2/NDF : 17.5/34

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.478 ± 0.063 χ^2/NDF : 3573154.3/16

Left Out: 217.576 ± 0.043 χ^2/NDF : 1151631.9/17

Right Out: 173.297 ± 0.057 χ^2/NDF : 4207424.0/18

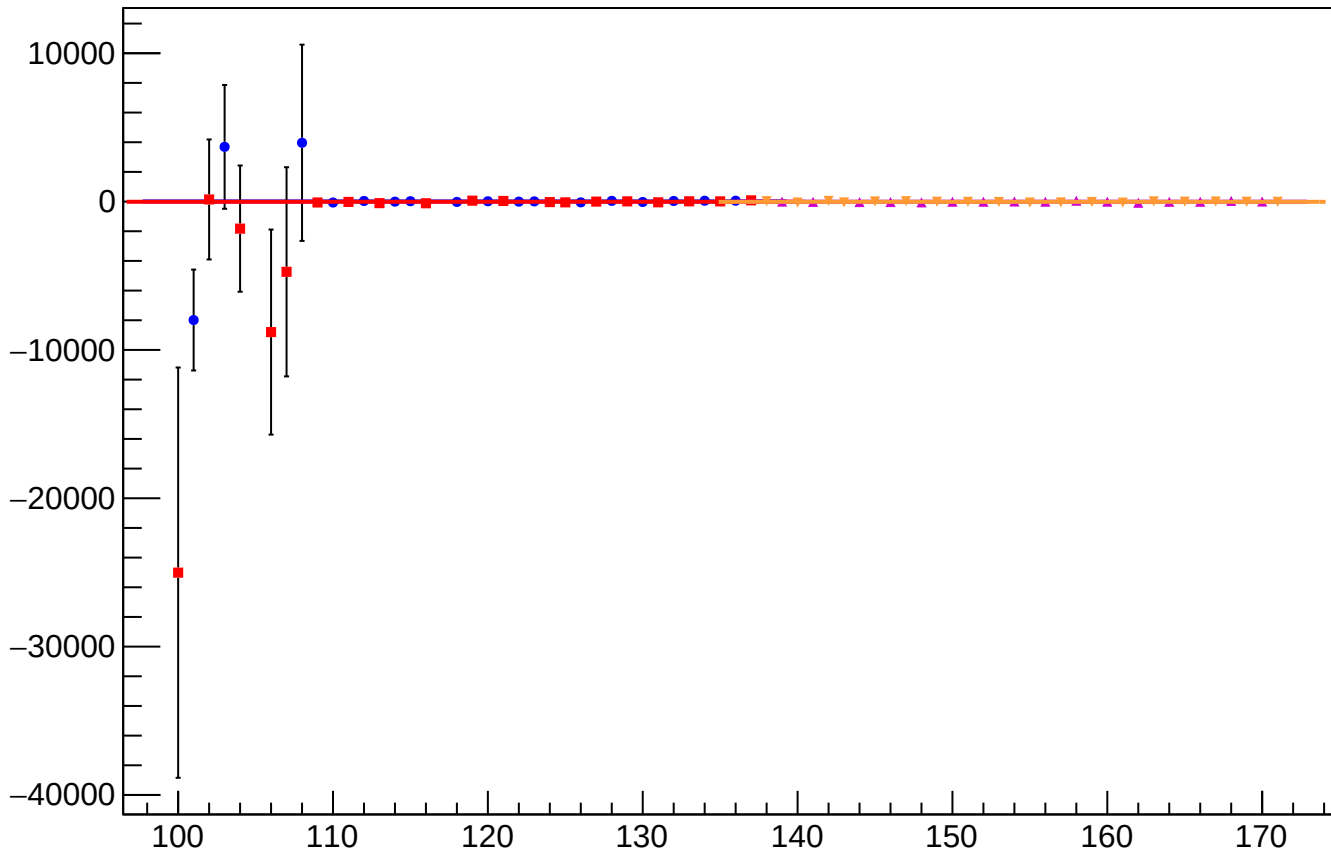
Left In: 184.104 ± 0.039 χ^2/NDF : 1313313.1/15

+ sign 209.101 ± 0.036 χ^2/NDF : 4842432.5/34

All: 193.430 ± 0.024 χ^2/NDF : 10738167.1/69

- sign 180.704 ± 0.032 χ^2/NDF : 5545165.0/34

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -16.883+/-7.877 χ^2/NDF : 16.7/17

Right Out: -12.668+/-12.232 χ^2/NDF : 24.8/18

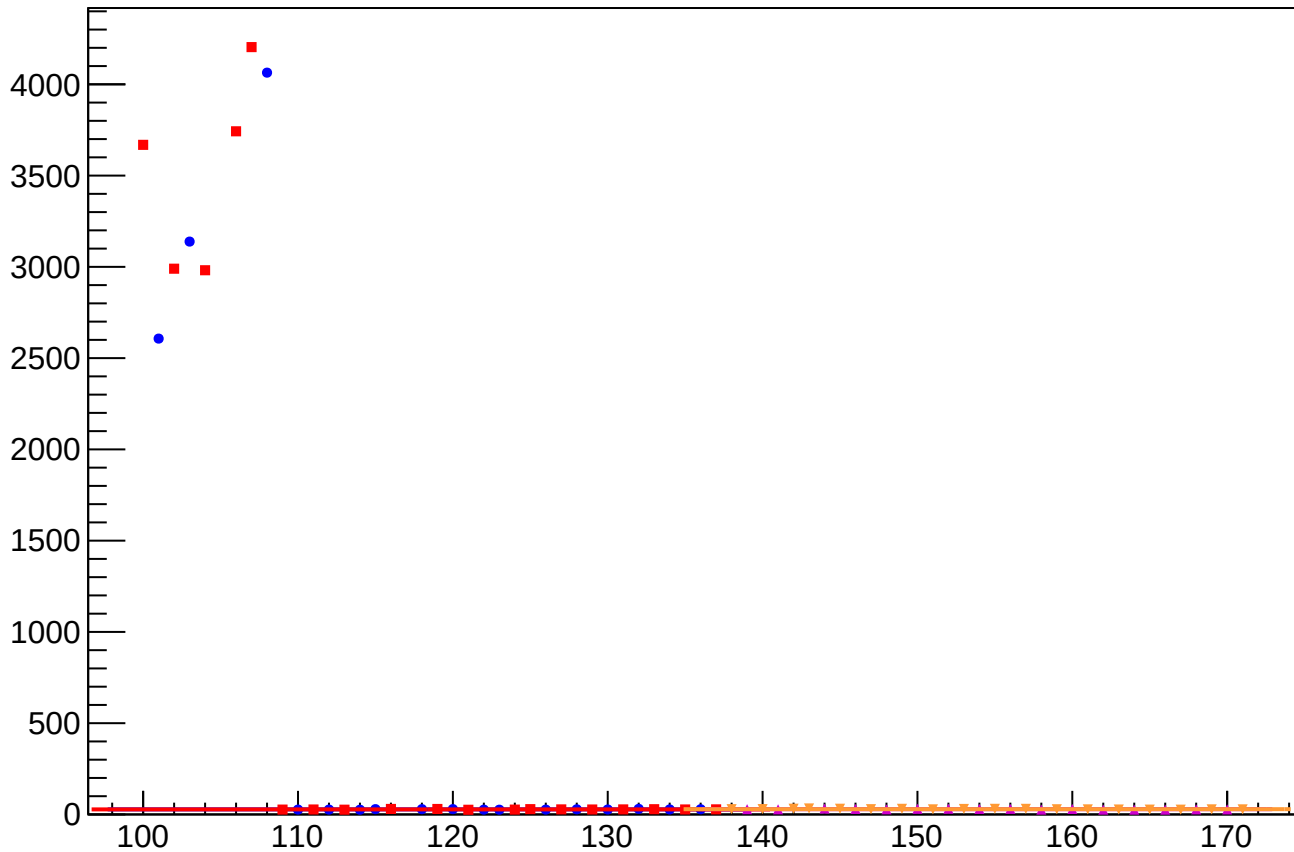
Left In: -7.806+/-8.184 χ^2/NDF : 17.4/15

+ sign -8.965+/-6.630 χ^2/NDF : 38.5/34

All: -9.133+/-4.748 χ^2/NDF : 80.9/69

- sign -9.310+/-6.802 χ^2/NDF : 42.3/34

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 28.880+/-0.006 χ^2/NDF : 96534.7/17

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

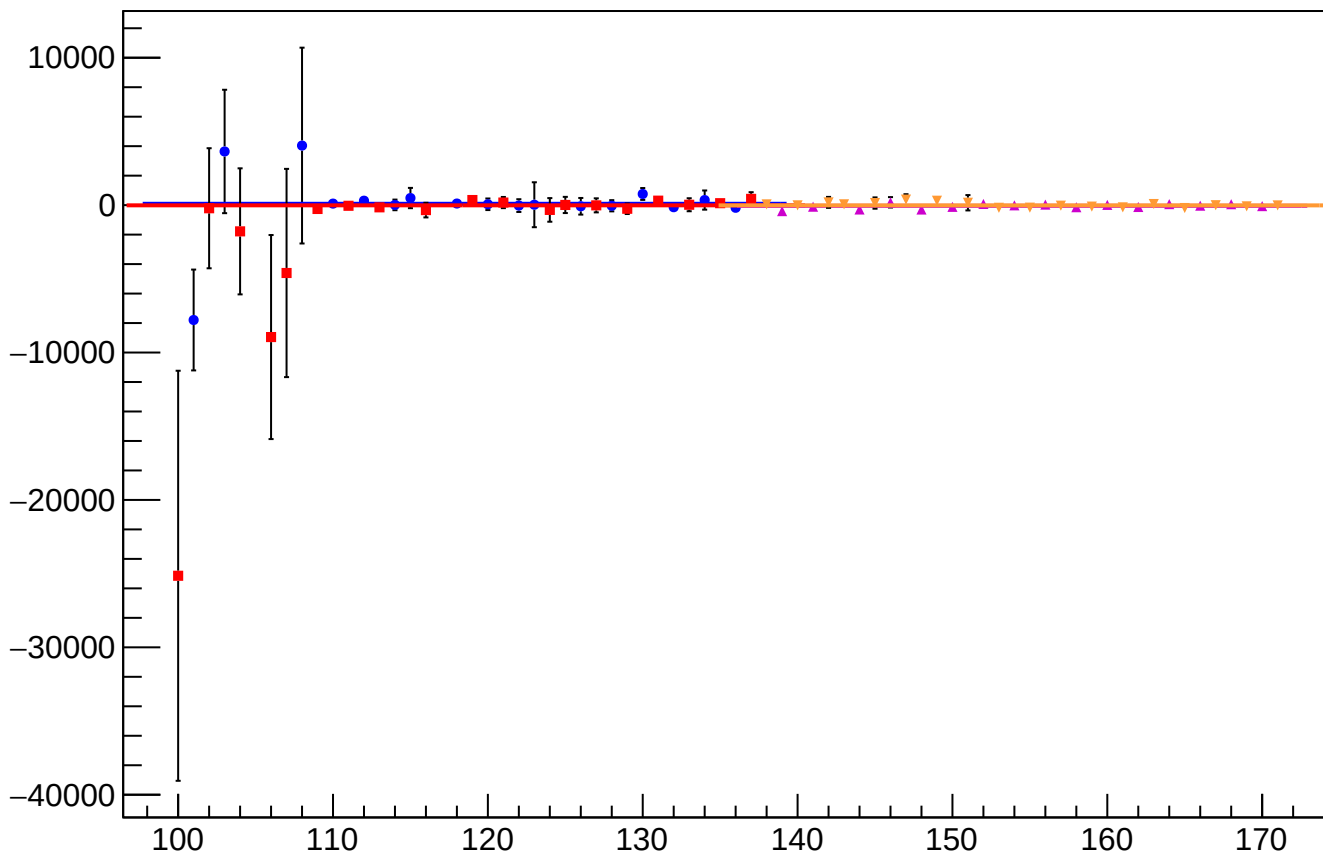
Left In: 28.851+/-0.006 χ^2/NDF : 110795.4/15

+ sign 28.581+/-0.005 χ^2/NDF : 3134070.1/34

All: 28.538+/-0.003 χ^2/NDF : 6734225.7/69

- sign 28.493+/-0.005 χ^2/NDF : 3599985.1/34

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: -16.431+/-61.183 χ^2/NDF : 5.3/17

Right Out: -13.341+/-80.686 χ^2/NDF : 12.7/18

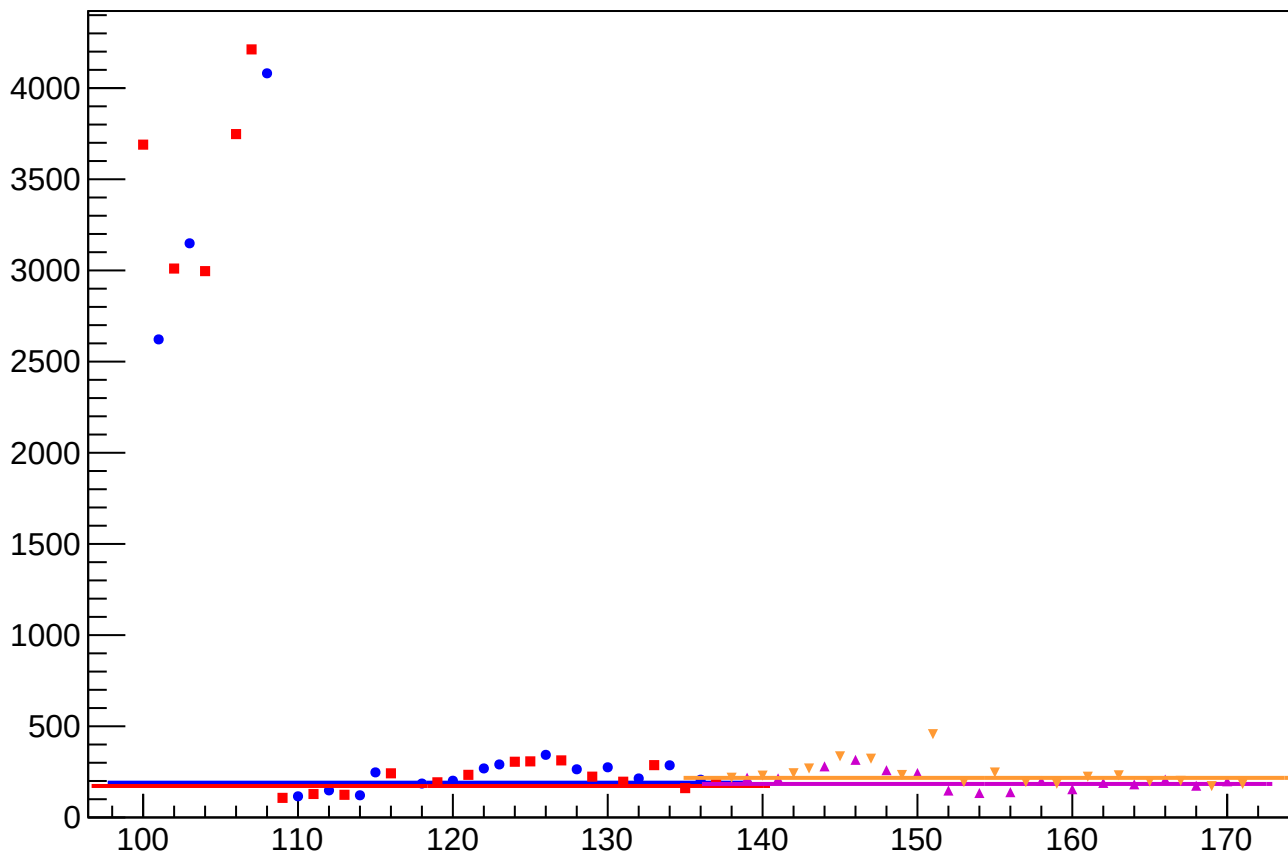
Left In: -47.763+/-54.740 χ^2/NDF : 5.6/15

+ sign 18.424+/-50.262 χ^2/NDF : 19.1/34

All: -12.111+/-33.650 χ^2/NDF : 38.1/69

- sign -36.913+/-45.299 χ^2/NDF : 18.4/34

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 217.104+/-0.043 χ^2/NDF : 1151457.0/17

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

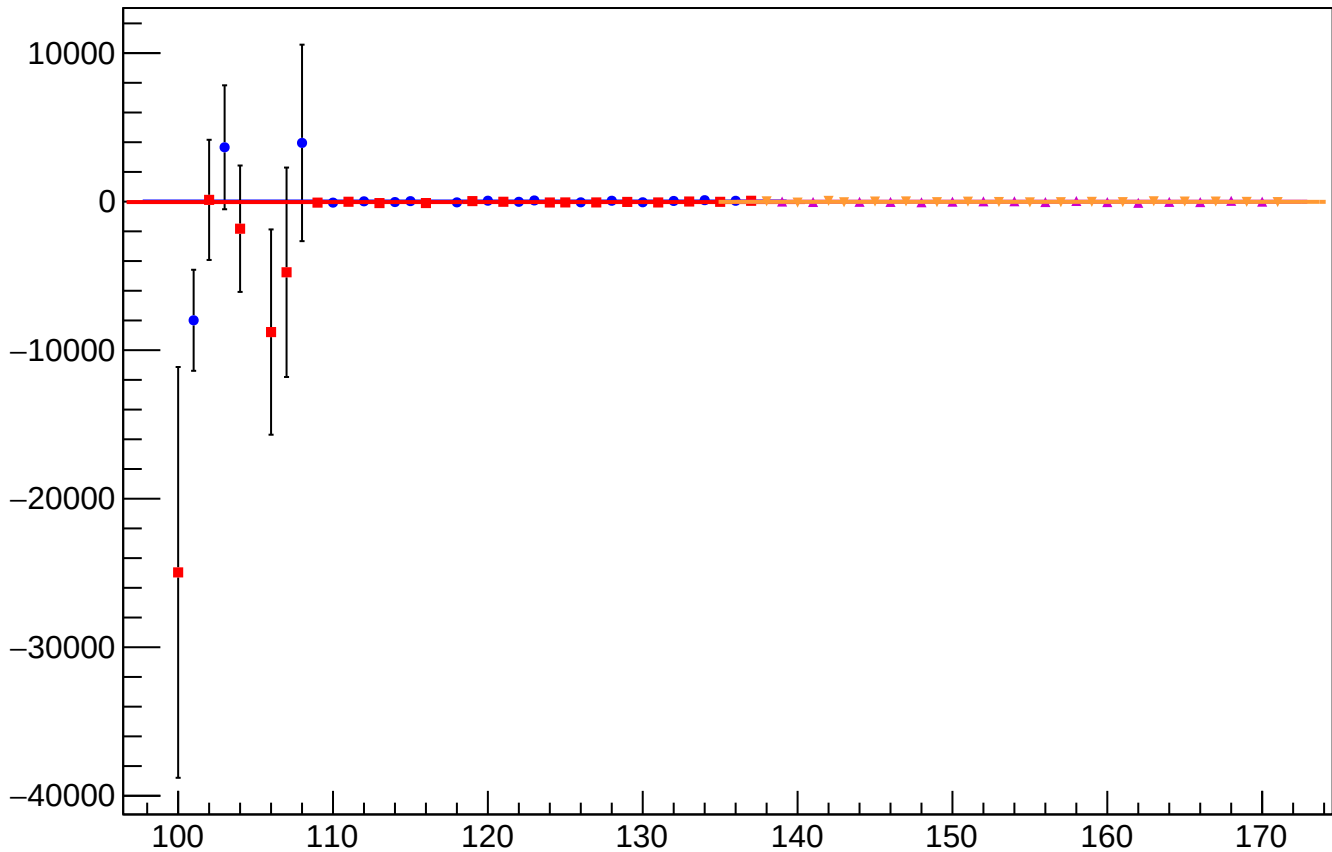
Left In: 183.747+/-0.039 χ^2/NDF : 1313044.3/15

+ sign 208.542+/-0.036 χ^2/NDF : 4856954.9/34

All: 192.927+/-0.024 χ^2/NDF : 10764457.8/69

- sign 180.243+/-0.032 χ^2/NDF : 5557674.5/34

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -13.679 $\pm$ 7.931 χ^2 /NDF: 11.8/17

Right Out: -29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

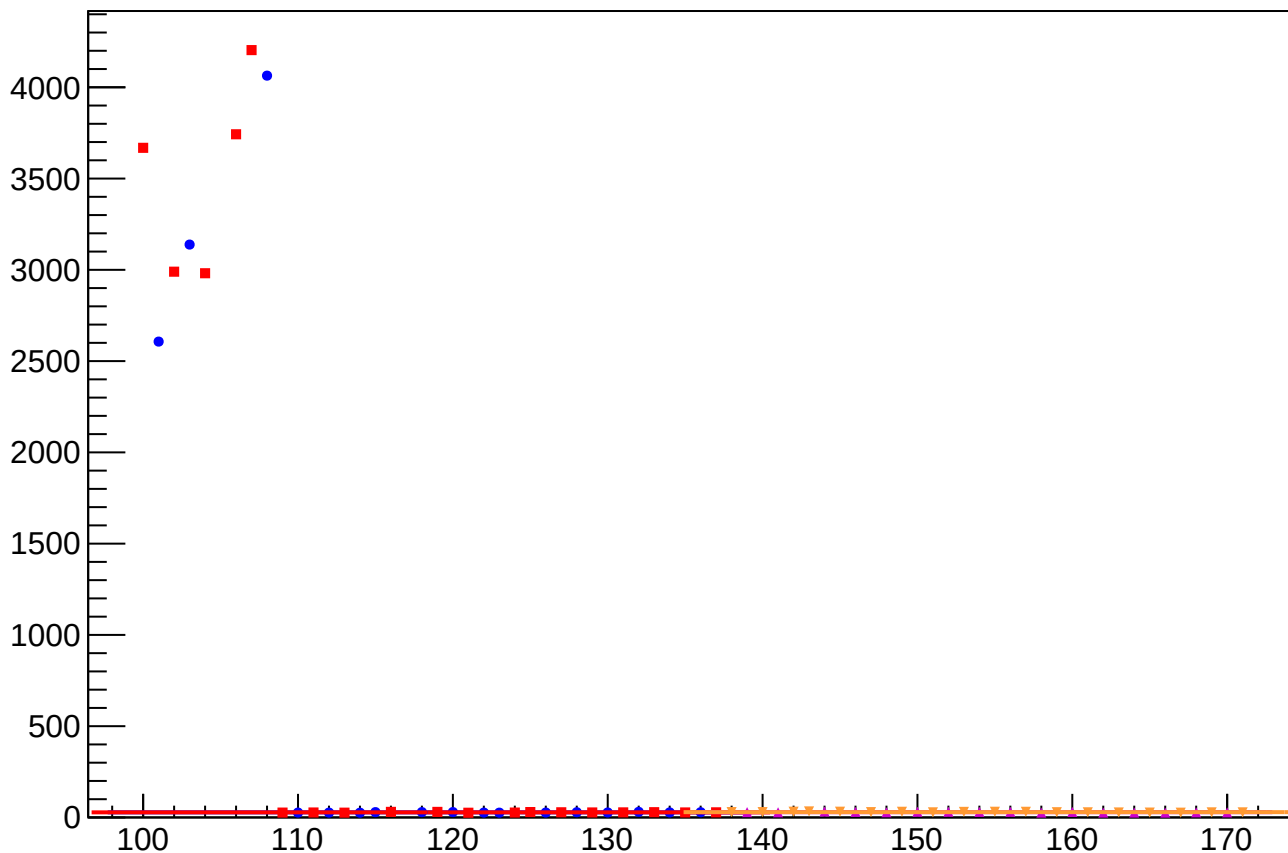
Left In: -6.689 $\pm$ 8.233 χ^2 /NDF: 17.4/15

+ sign -7.187 $\pm$ 6.676 χ^2 /NDF: 37.3/34

All: -10.355 $\pm$ 4.780 χ^2 /NDF: 74.3/69

- sign -13.688 $\pm$ 6.847 χ^2 /NDF: 36.6/34

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044 $\pm$ 0.009 χ^2 /NDF: 3027898.7/16

Left Out: 29.074 $\pm$ 0.006 χ^2 /NDF: 102128.8/17

Right Out: 27.918 $\pm$ 0.009 χ^2 /NDF: 3479690.8/18

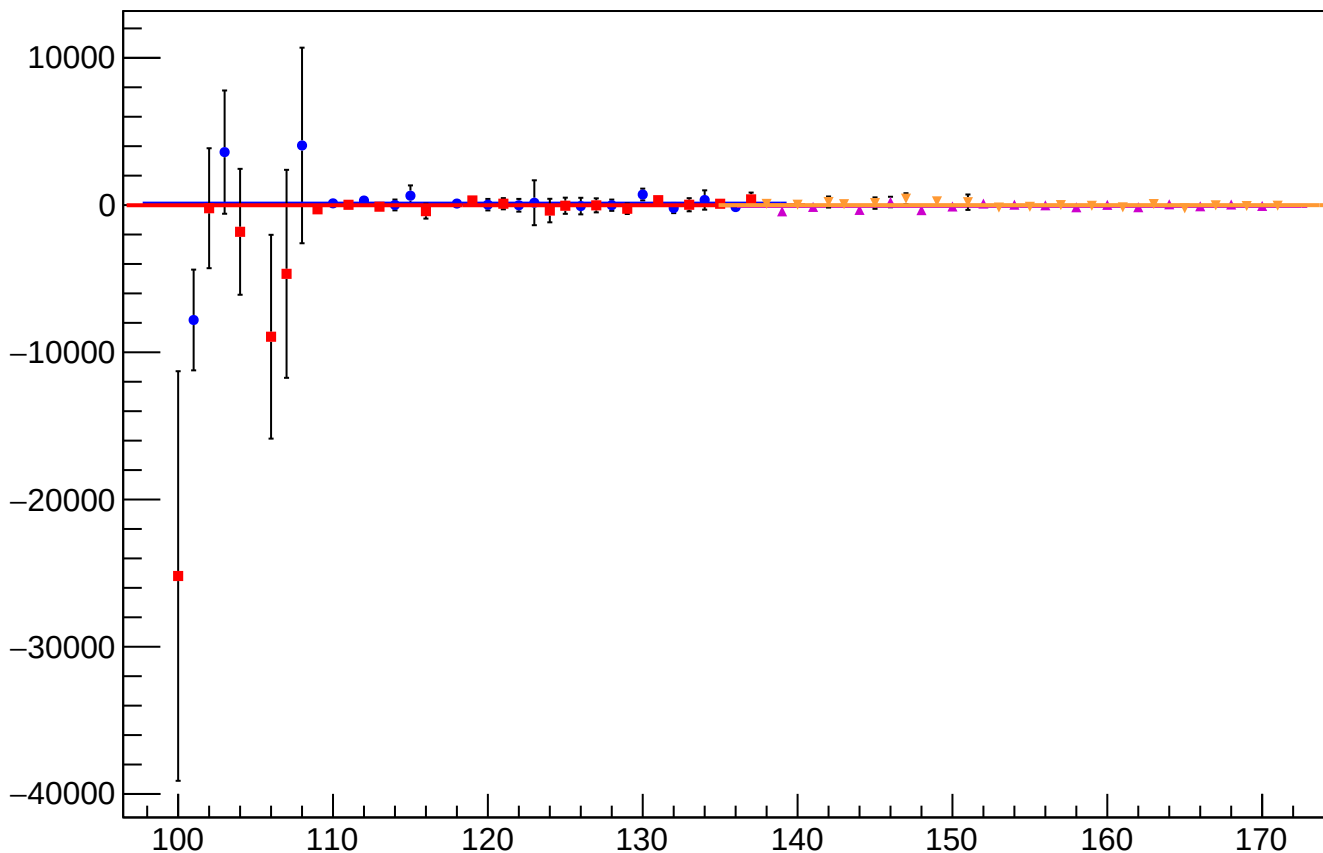
Left In: 29.024 $\pm$ 0.006 χ^2 /NDF: 111798.5/15

+ sign 28.774 $\pm$ 0.005 χ^2 /NDF: 3139867.9/34

All: 28.730 $\pm$ 0.003 χ^2 /NDF: 6742670.6/69

- sign 28.683 $\pm$ 0.005 χ^2 /NDF: 3602621.8/34

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142 $\pm$ 89.203 χ^2 /NDF: 12.5/16

Left Out: -5.841 $\pm$ 61.914 χ^2 /NDF: 5.1/17

Right Out: -11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

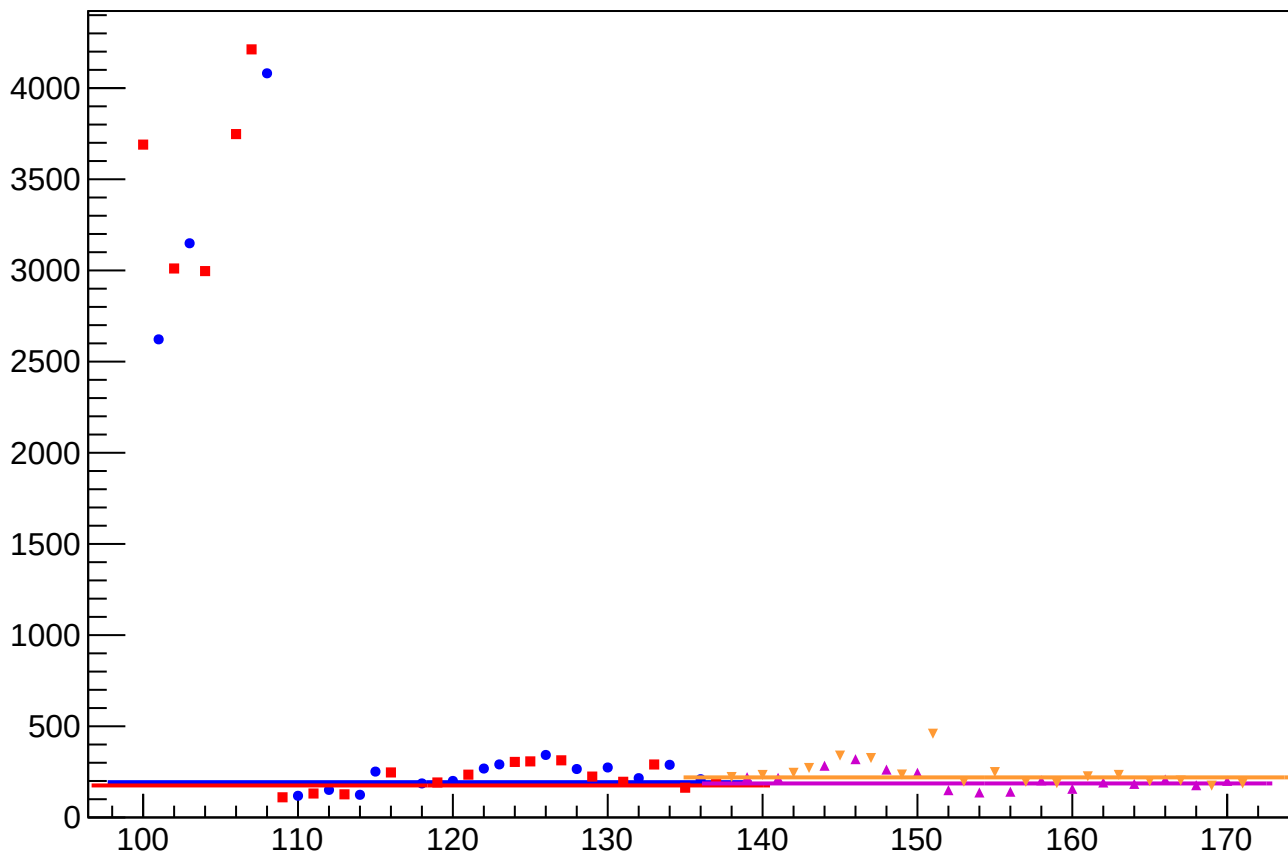
Left In: -55.584 $\pm$ 55.513 χ^2 /NDF: 6.1/15

+ sign 27.967 $\pm$ 50.863 χ^2 /NDF: 18.5/34

All: -10.436 $\pm$ 34.088 χ^2 /NDF: 38.2/69

- sign -41.749 $\pm$ 45.929 χ^2 /NDF: 18.6/34

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 219.811+/-0.044 χ^2/NDF : 1137892.2/17

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

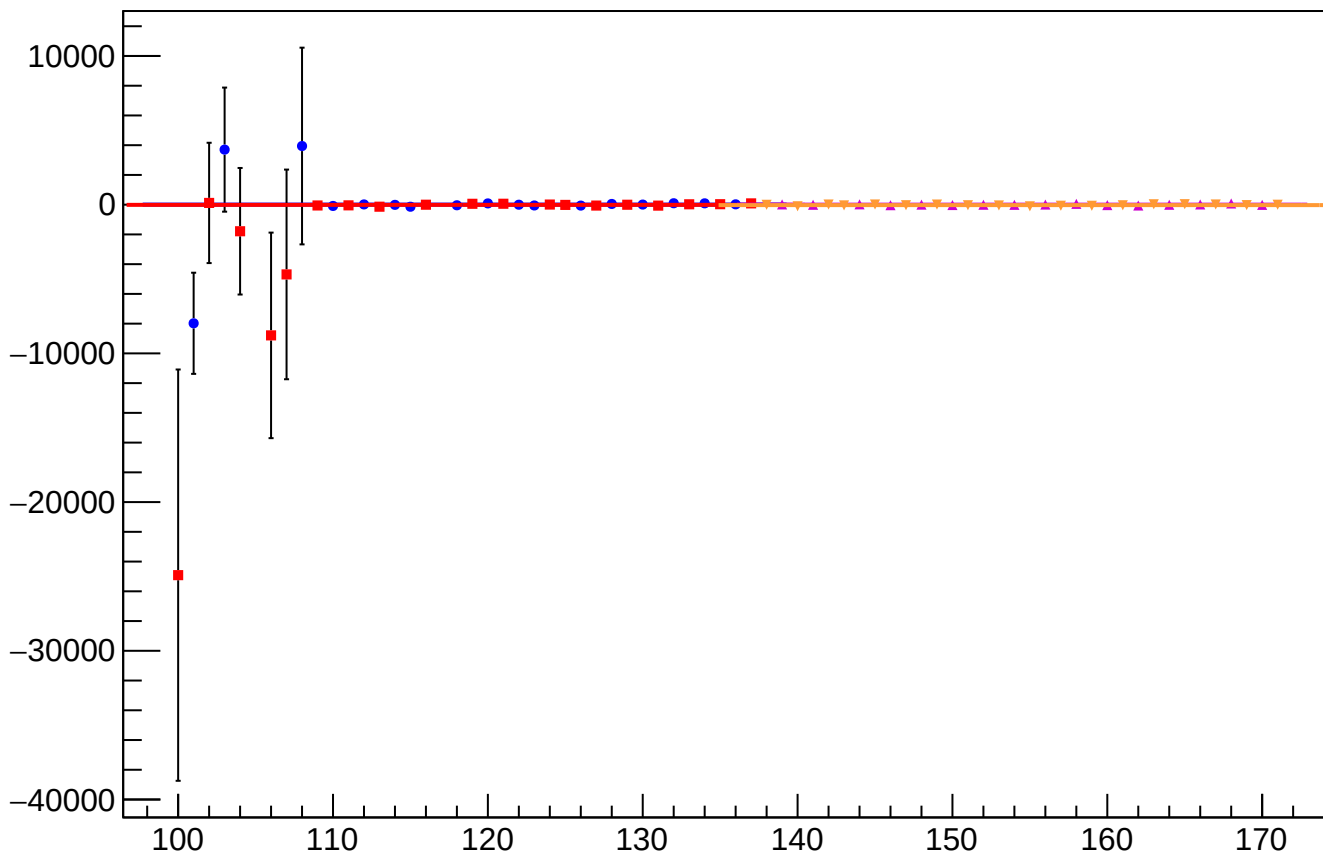
Left In: 186.521+/-0.039 χ^2/NDF : 1283871.1/15

+ sign 211.262+/-0.036 χ^2/NDF : 4792119.0/34

All: 195.720+/-0.024 χ^2/NDF : 10605398.6/69

- sign 183.047+/-0.032 χ^2/NDF : 5474271.1/34

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -29.500 $\pm$ 9.449 χ^2 /NDF:19.9/17

Right Out: -12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

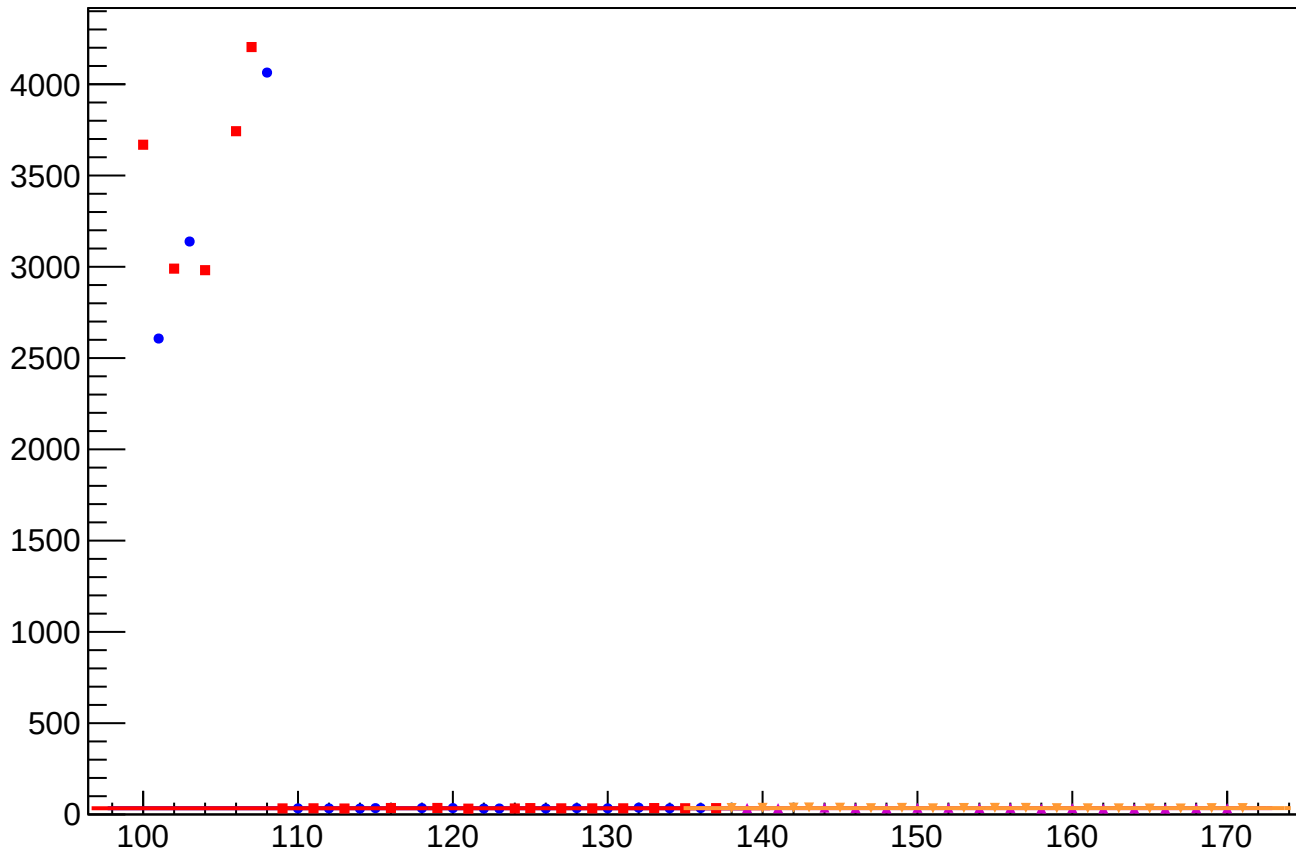
Left In: 2.450 $\pm$ 9.818 χ^2 /NDF:11.8/15

+ sign -19.587 $\pm$ 8.003 χ^2 /NDF: 44.3/34

All: -10.991 $\pm$ 5.730 χ^2 /NDF: 81.1/69

- sign -1.951 $\pm$ 8.207 χ^2 /NDF: 34.4/34

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 34.699 $\pm$ 0.007 χ^2 /NDF: 46889.6/17

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

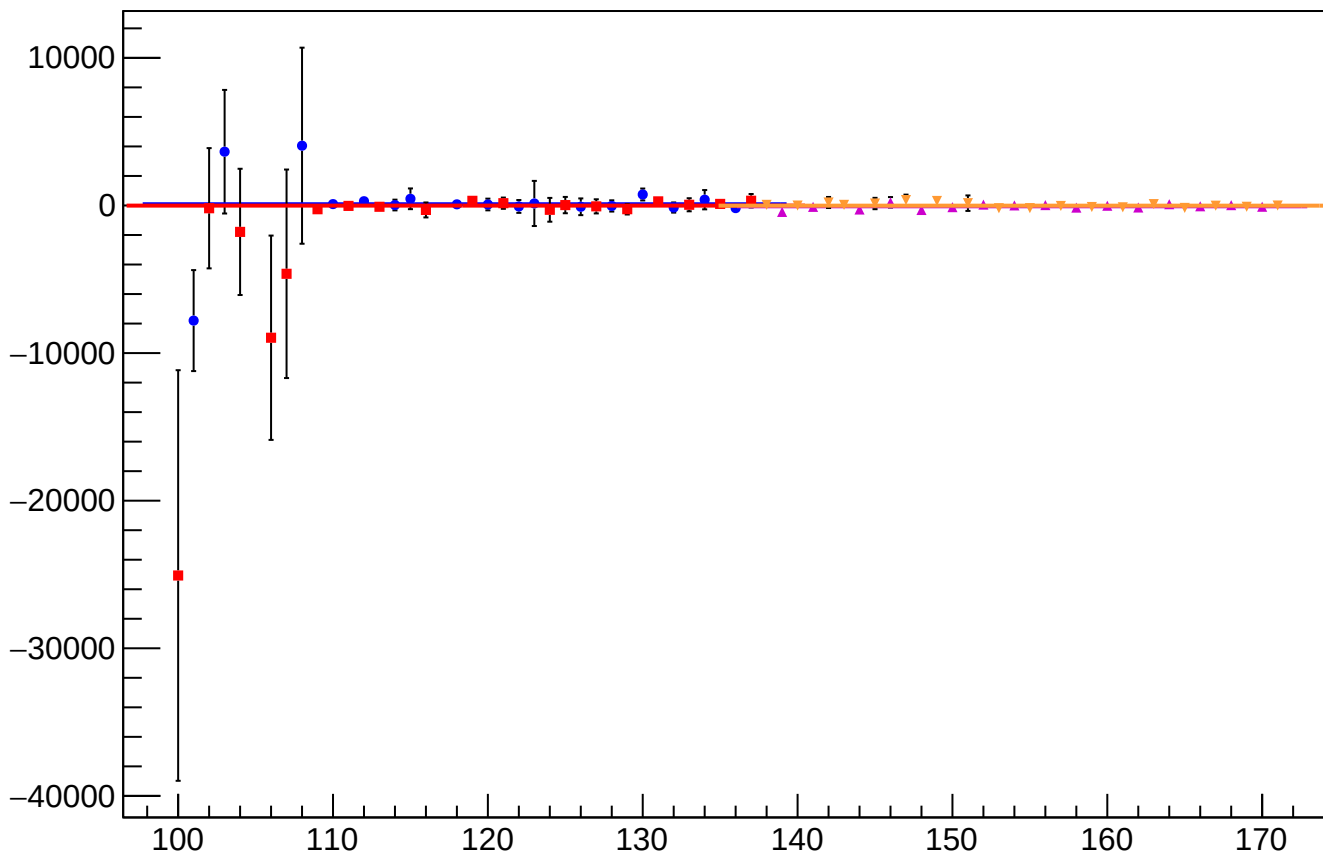
Left In: 34.683 $\pm$ 0.007 χ^2 /NDF: 51761.0/15

+ sign 34.549 $\pm$ 0.006 χ^2 /NDF: 3055194.0/34

All: 34.501 $\pm$ 0.004 χ^2 /NDF: 6562722.0/69

- sign 34.451 $\pm$ 0.006 χ^2 /NDF: 3507381.2/34

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: -12.033+/-61.791 χ^2/NDF : 5.1/17

Right Out: -8.565+/-81.257 χ^2/NDF : 11.1/18

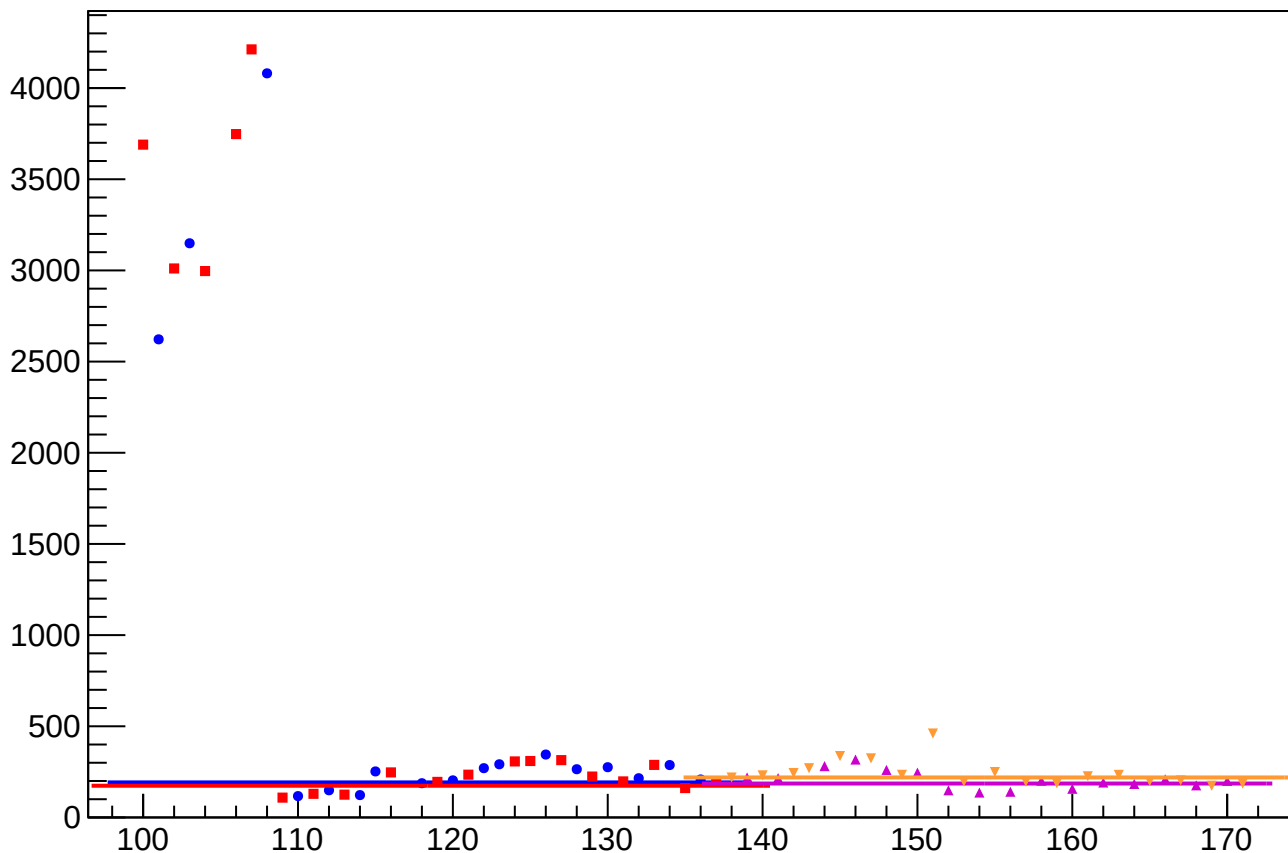
Left In: -55.657+/-55.365 χ^2/NDF : 5.5/15

+ sign 19.487+/-50.710 χ^2/NDF : 18.5/34

All: -13.705+/-33.970 χ^2/NDF : 36.1/69

- sign -40.726+/-45.754 χ^2/NDF : 16.8/34

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 219.389+/-0.044 χ^2/NDF : 1129018.2/17

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

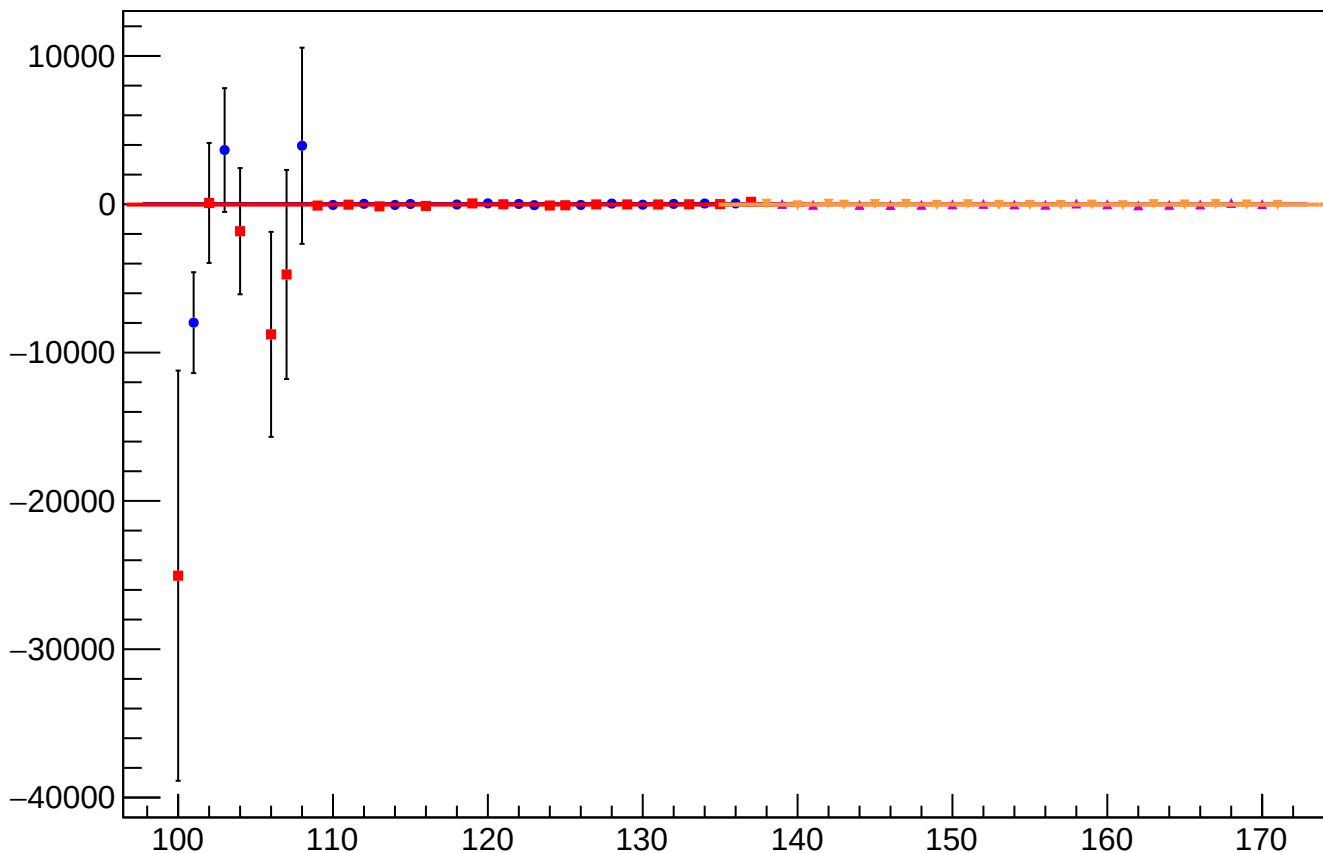
Left In: 186.035+/-0.039 χ^2/NDF : 1271718.1/15

+ sign 210.504+/-0.036 χ^2/NDF : 4830279.2/34

All: 194.905+/-0.024 χ^2/NDF : 10687075.4/69

- sign 182.206+/-0.032 χ^2/NDF : 5513492.3/34

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -21.126+/-8.563 χ^2/NDF : 12.5/17

Right Out: -22.618+/-13.660 χ^2/NDF : 28.0/18

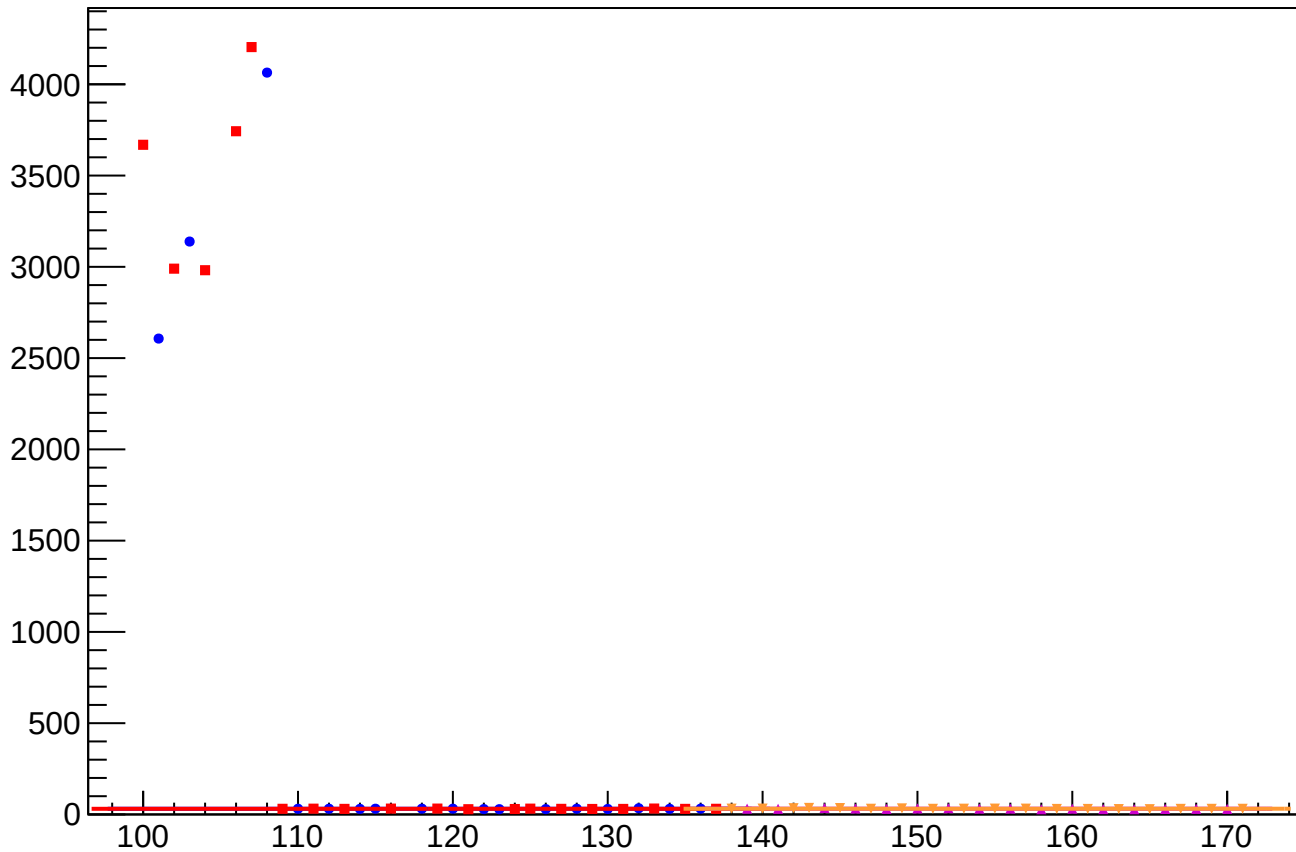
Left In: -3.038+/-8.884 χ^2/NDF : 21.5/15

+ sign -11.633+/-7.265 χ^2/NDF : 31.5/34

All: -10.280+/-5.200 χ^2/NDF : 82.6/69

- sign -8.858+/-7.447 χ^2/NDF : 51.0/34

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 31.412+/-0.006 χ^2/NDF : 73693.4/17

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

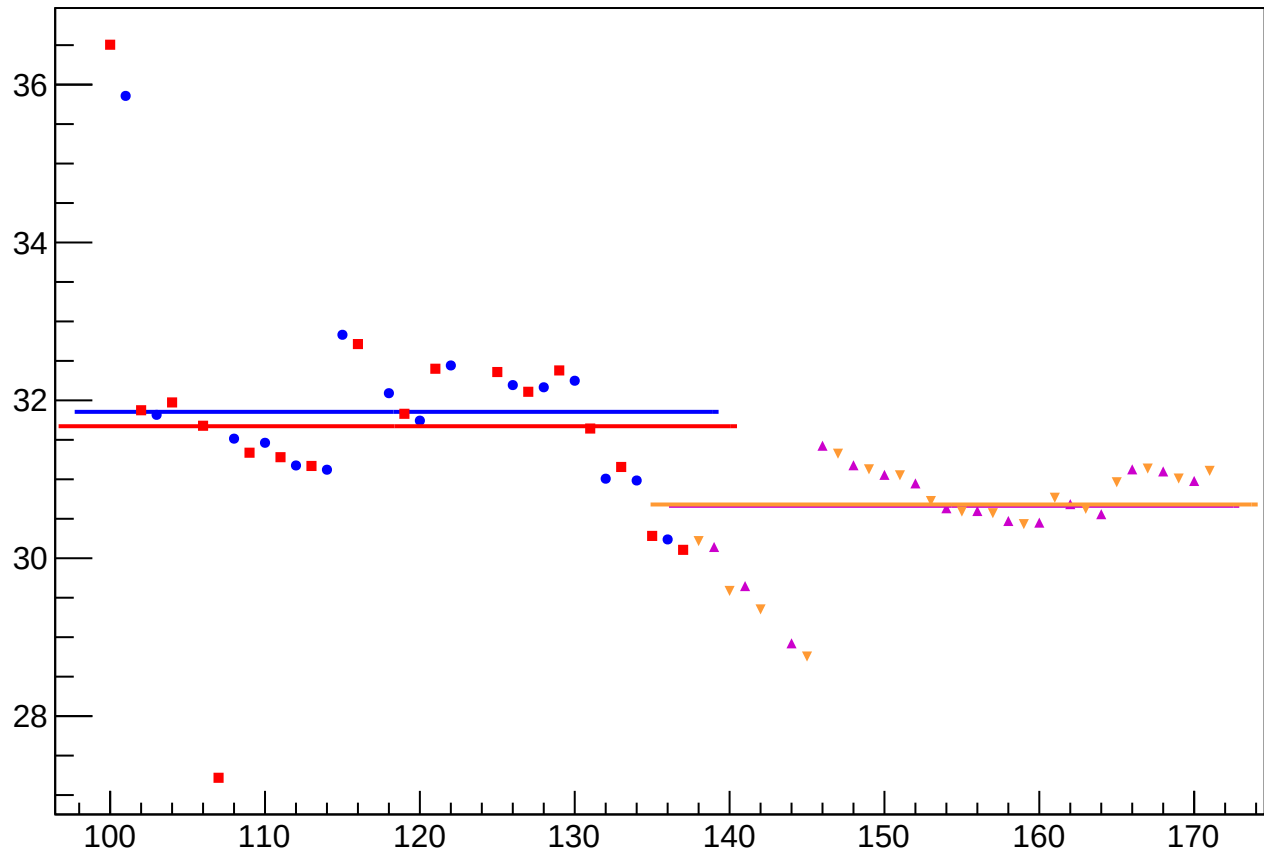
Left In: 31.336+/-0.006 χ^2/NDF : 81160.4/15

+ sign 31.339+/-0.005 χ^2/NDF : 3088721.5/34

All: 31.284+/-0.004 χ^2/NDF : 6630098.9/69

- sign 31.225+/-0.005 χ^2/NDF : 3541135.1/34

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.681+/-0.000 χ^2/NDF : 696018017.0/16

Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

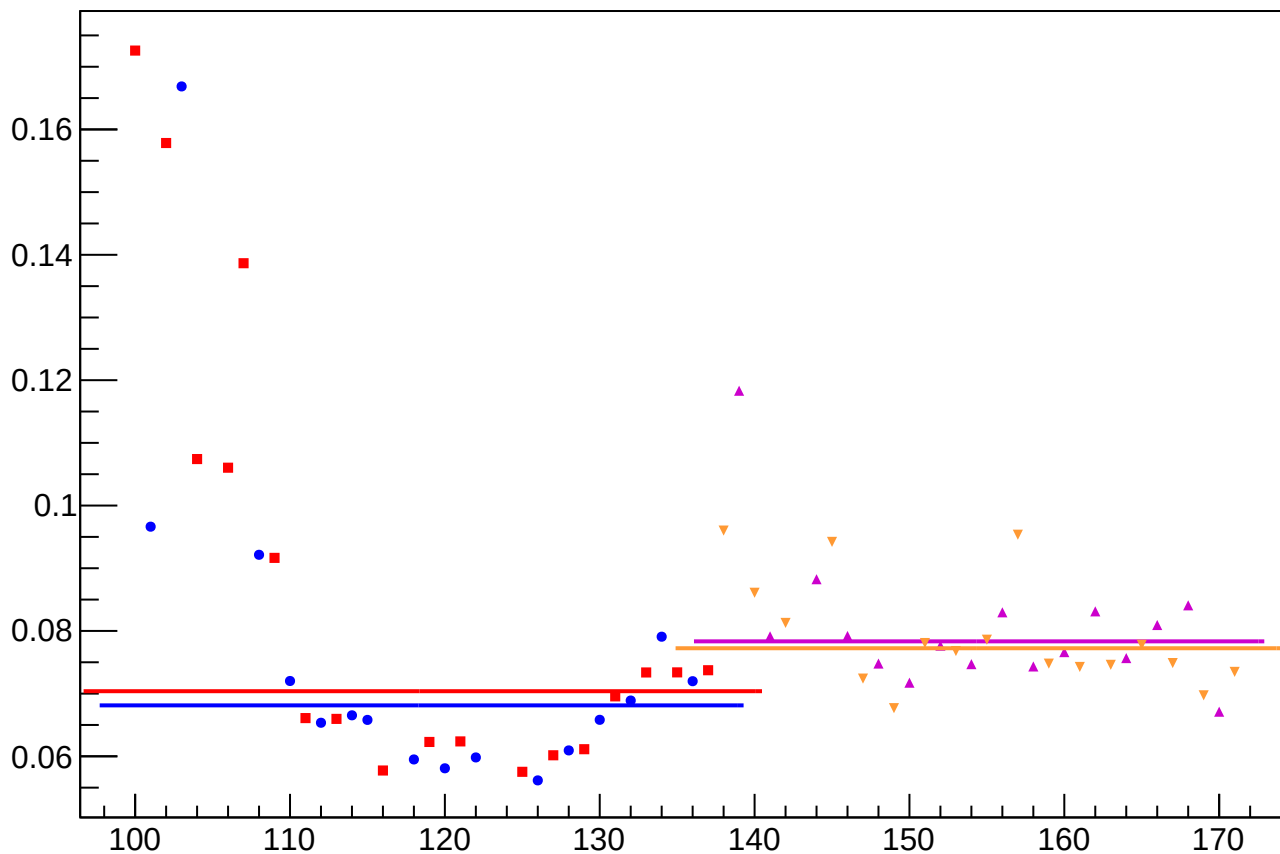
Left In: 30.664+/-0.000 χ^2/NDF : 631247164.3/15

+ sign 31.139+/-0.000 χ^2/NDF : 3310640988.9/32

All: 31.101+/-0.000 χ^2/NDF : 5605322784.9/6

- sign 31.061+/-0.000 χ^2/NDF : 2285149812.8/33

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 224188.4/16

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841320.1/17

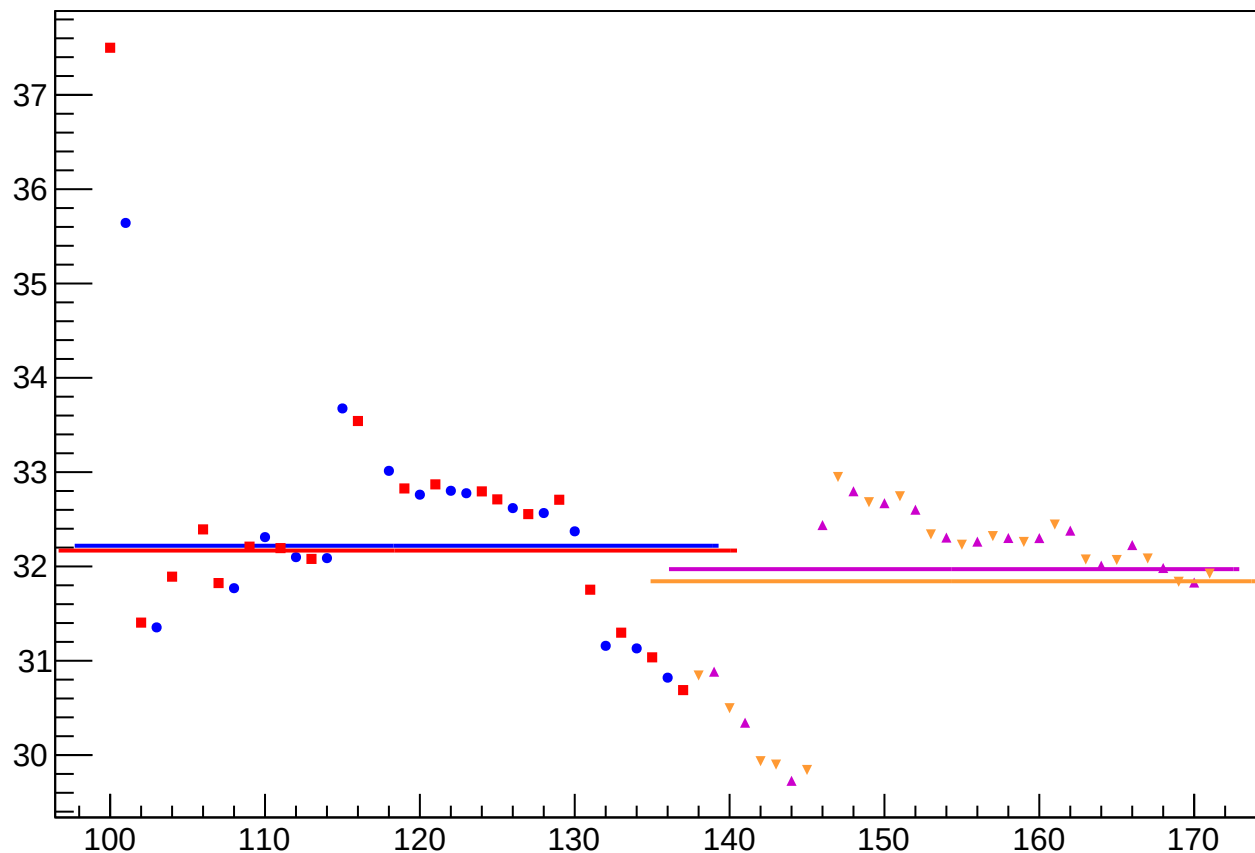
Left In: 0.078 $\pm$ 0.000 χ^2 /NDF: 264667.9/15

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 979838.9/32

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 2184636.1/66

- sign 0.075 $\pm$ 0.000 χ^2 /NDF: 1197532.7/33

yield_usr_mean vs Slug



Right In: 32.220 ± 0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.843 ± 0.000 χ^2/NDF : 1826778677.7/17

Right Out: 32.168 ± 0.000 χ^2/NDF : 442298310.3/18

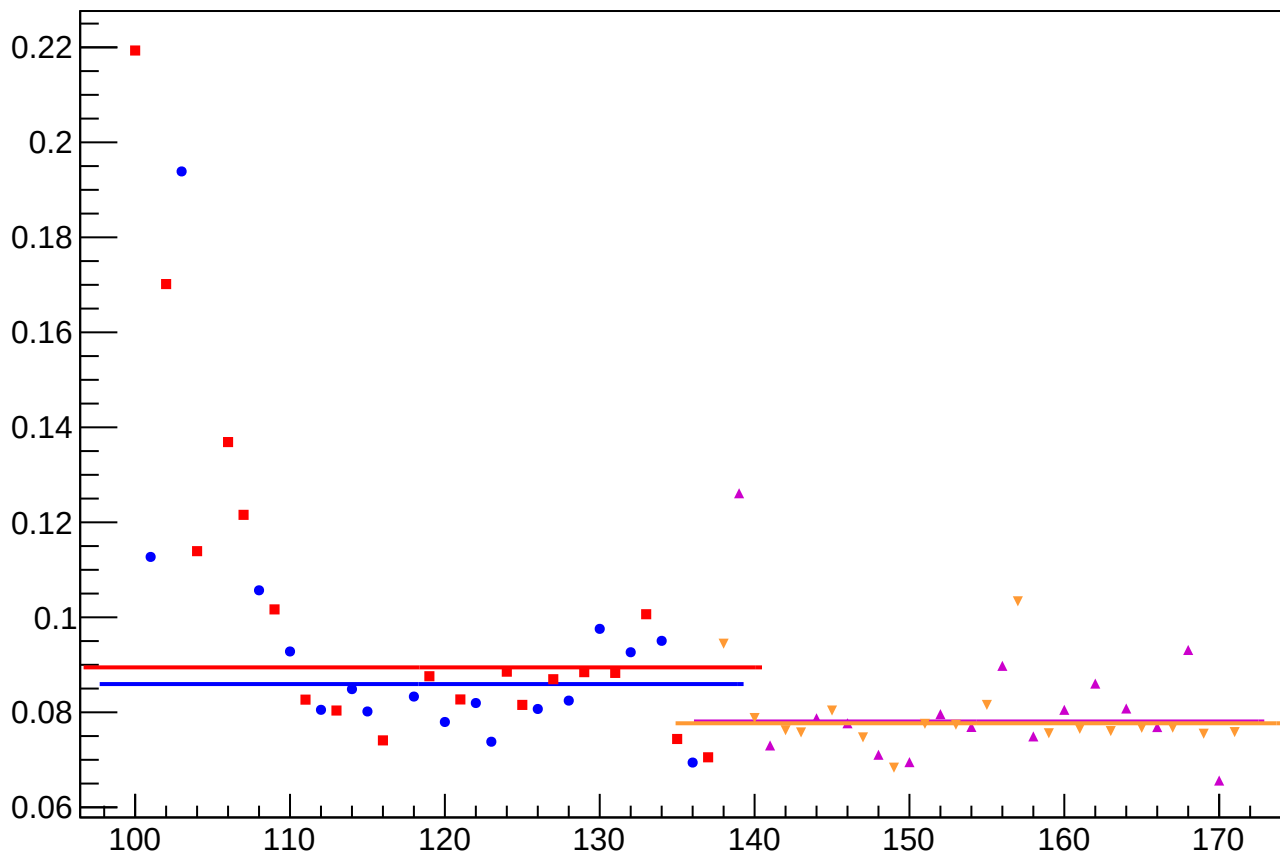
Left In: 31.971 ± 0.000 χ^2/NDF : 1403020177.7/15

+ sign 31.948 ± 0.000 χ^2/NDF : 2920912084.2/34

All: 31.987 ± 0.000 χ^2/NDF : 4796285984.4/6

- sign 32.029 ± 0.000 χ^2/NDF : 1866467063.9/34

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 553280.3/16

Left Out: 0.078 $\pm$ 0.000 χ^2 /NDF:163024.5/17

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 539869.9/18

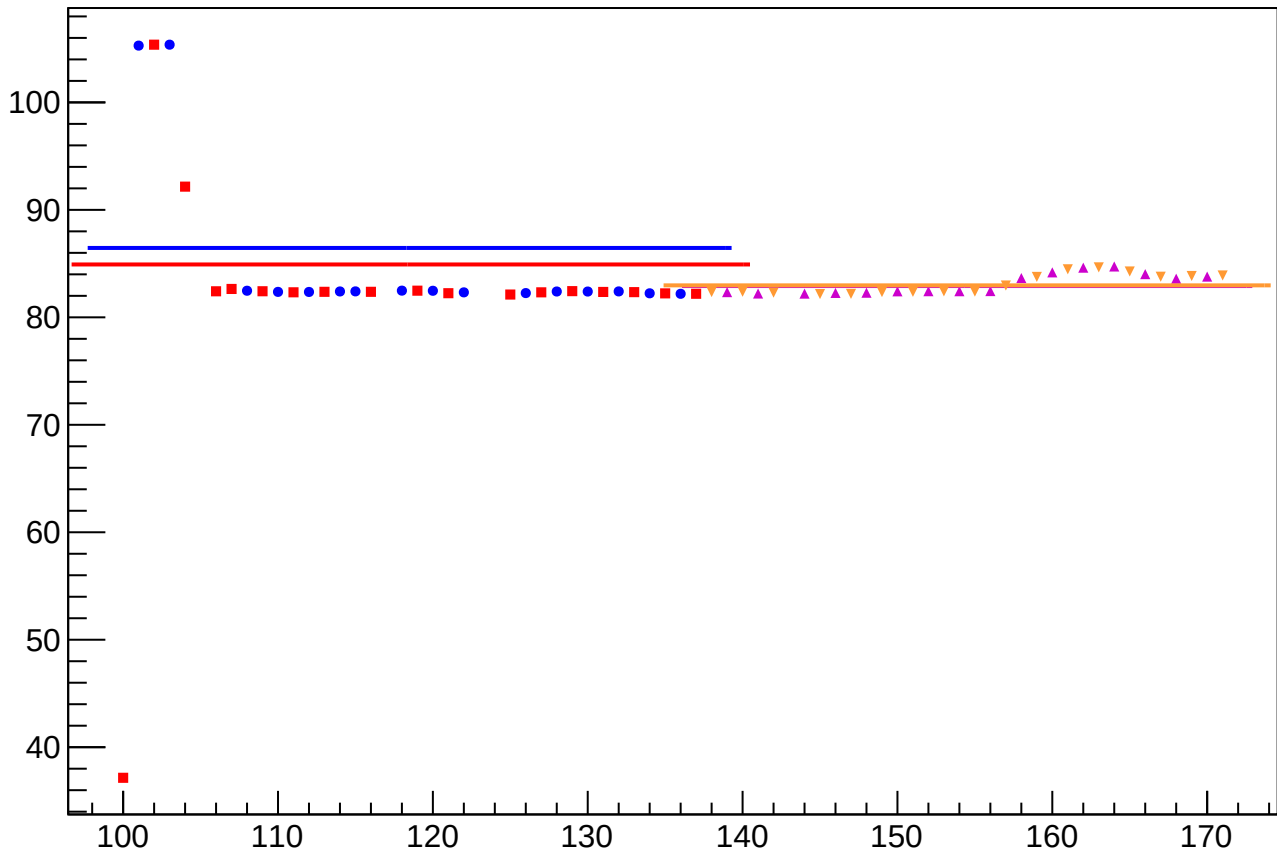
Left In: 0.078 $\pm$ 0.000 χ^2 /NDF:388234.3/15

+ sign 0.080 $\pm$ 0.000 χ^2 /NDF: 793463.4/34

All: 0.081 $\pm$ 0.000 χ^2 /NDF: 1868075.2/69

- sign 0.081 $\pm$ 0.000 χ^2 /NDF: 1069339.6/34

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.975+/-0.000 χ^2/NDF : 4447507882.1/16

Right Out: 84.920+/-0.000 χ^2/NDF : 172195187677.7/17

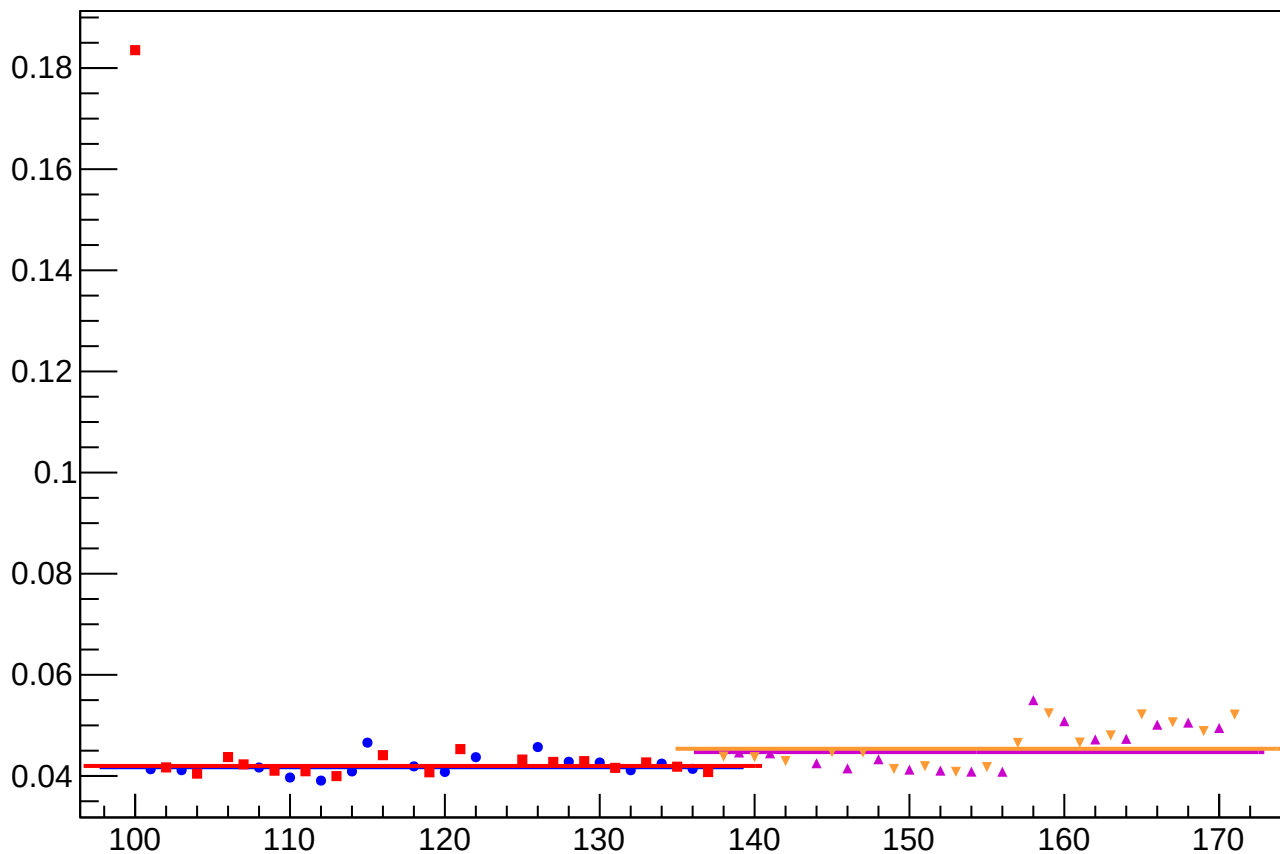
Left In: 82.911+/-0.000 χ^2/NDF : 4434484524.7/15

+ sign 84.314+/-0.000 χ^2/NDF : 323985457594.5/32

All: 84.002+/-0.000 χ^2/NDF : 512091785444.4

- sign 83.697+/-0.000 χ^2/NDF : 186222157610.9/33

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 18887.0/15

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:167517.6/16

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96869.3/17

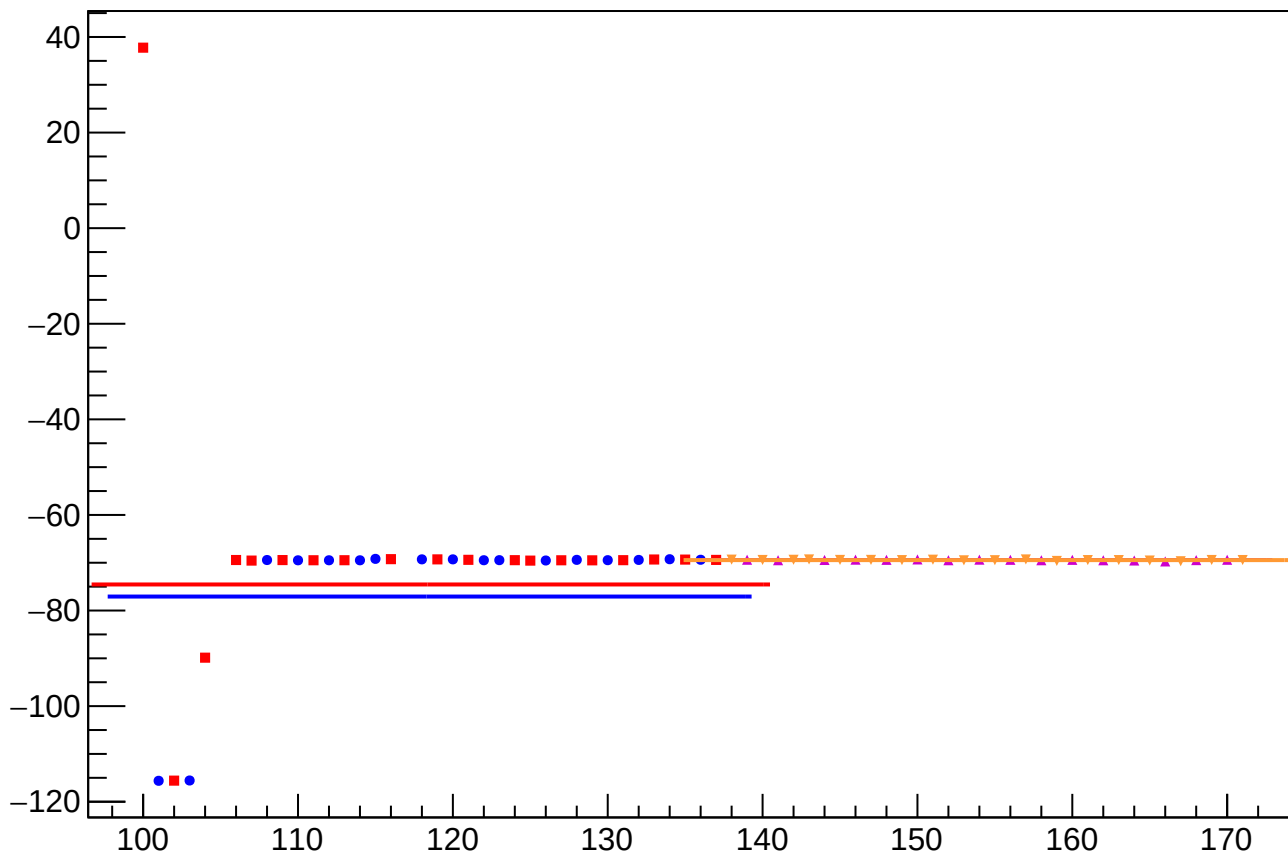
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:203456.4/15

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 248363.5/32

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 585402.7/66

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 335965.4/33

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.449+/-0.000 χ^2/NDF : 39384662.4/17

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

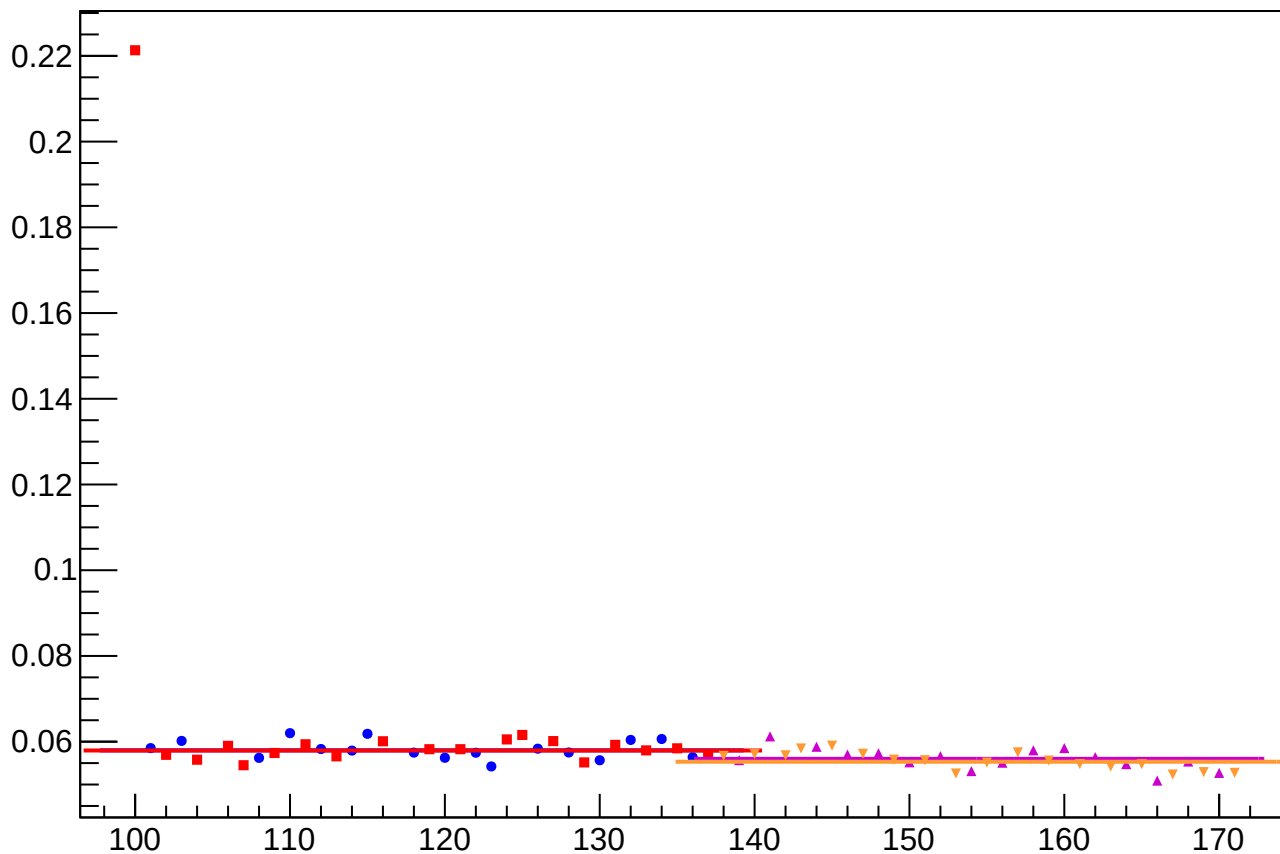
Left In: -69.428+/-0.000 χ^2/NDF : 31664318.6/15

+ sign -71.818+/-0.000 χ^2/NDF : 642183095136.1/3

All: -71.517+/-0.000 χ^2/NDF : 105020931839

- sign -71.203+/-0.000 χ^2/NDF : 406886692339.5/3

yield_dsr_rms vs Slug



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12275.6/16

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:33227.6/17

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 86466.5/18

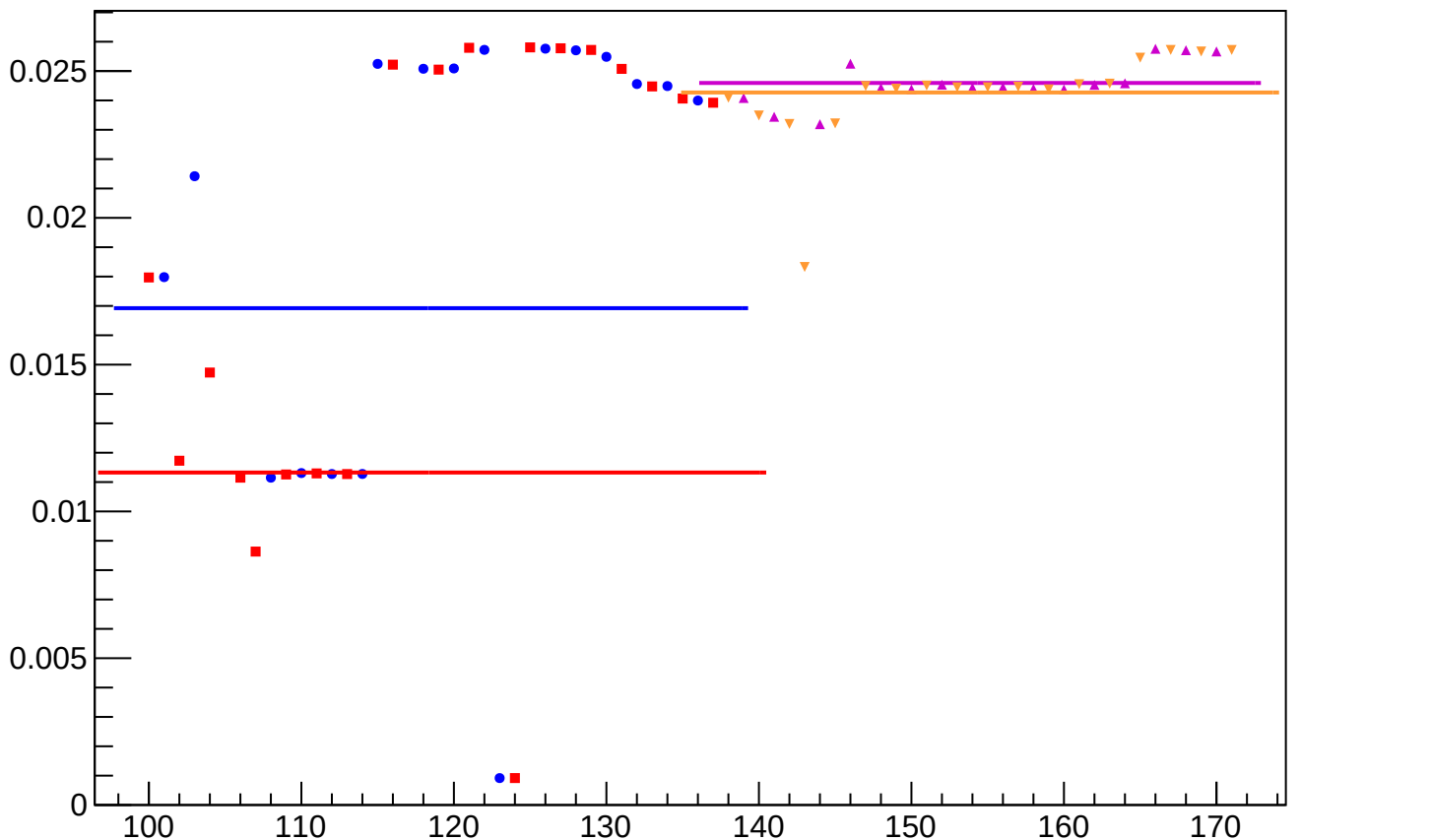
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:44771.7/15

+ sign 0.056 $\pm$ 0.000 χ^2 /NDF: 64134.9/34

All: 0.056 $\pm$ 0.000 χ^2 /NDF: 207205.4/69

- sign 0.057 $\pm$ 0.000 χ^2 /NDF: 141402.6/34

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 6669711024.5/17

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 188493350146.5/34

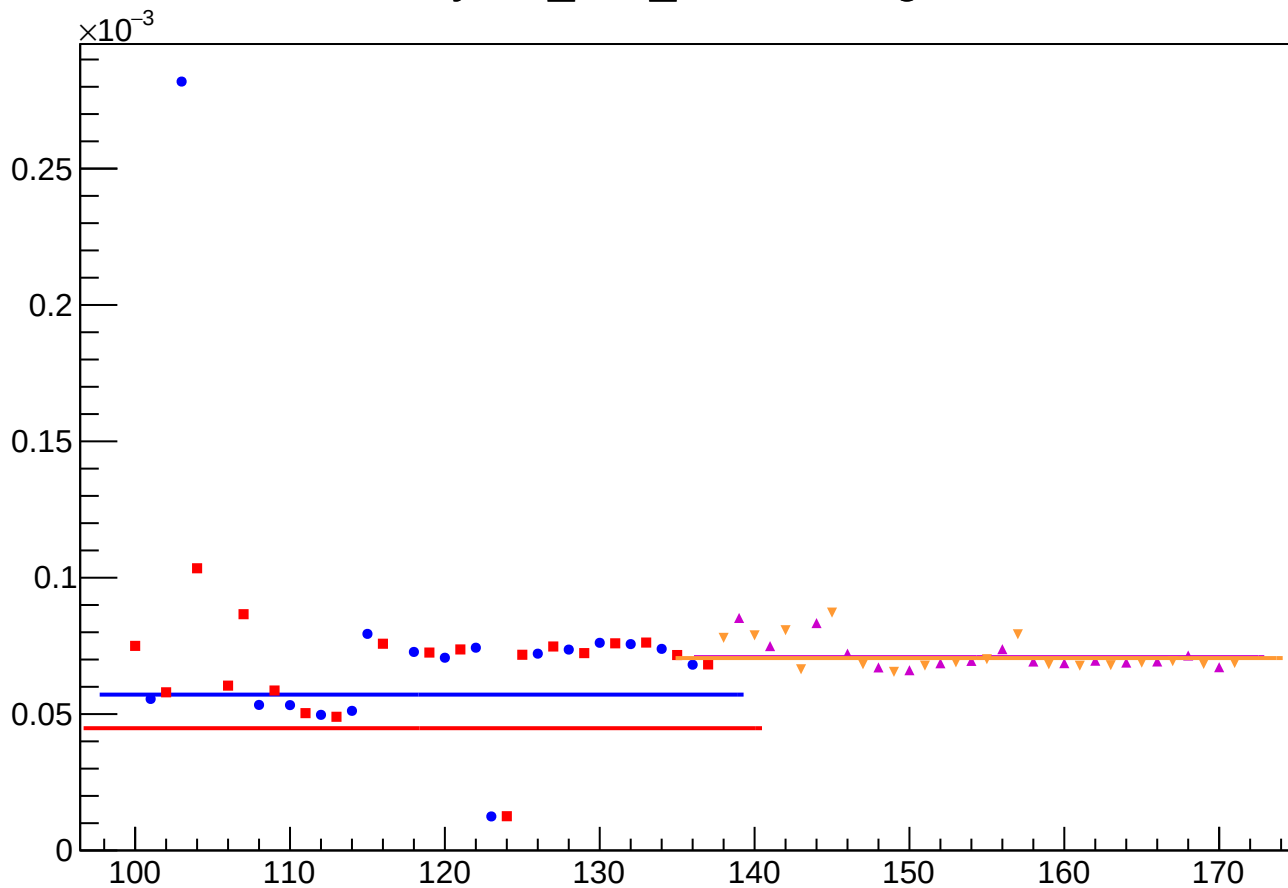
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 234754769754.2/18

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 663555075781.3

Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 1111977029.8/15

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 448688591520.5/34

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :144006.9/17

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

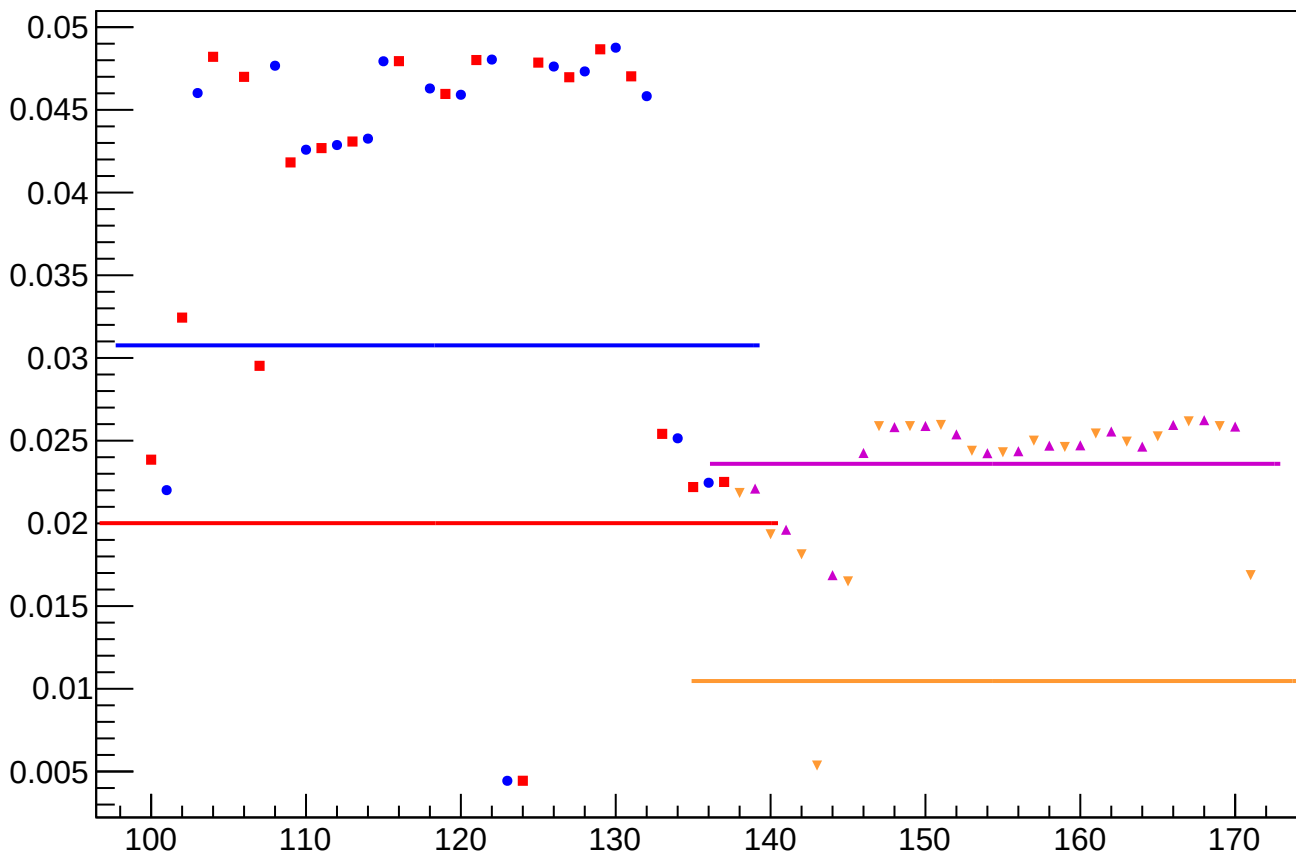
Left In: 0.000+/-0.000 χ^2/NDF :111162.0/15

+ sign 0.000+/-0.000 χ^2/NDF : 2512808.3/34

All: 0.000+/-0.000 χ^2/NDF : 8106419.2/69

- sign 0.000+/-0.000 χ^2/NDF : 5346504.1/34

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 32571246096.1/17

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

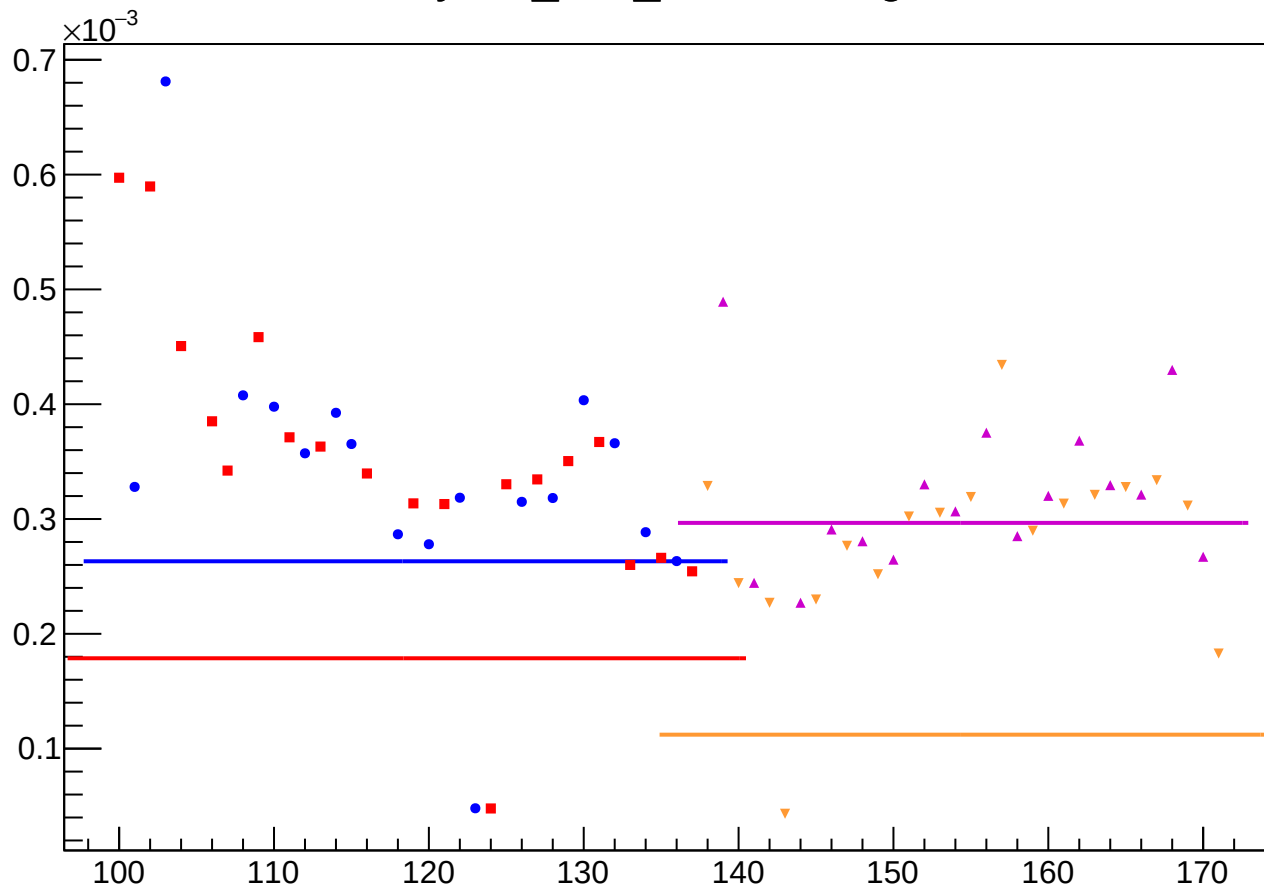
Left In: 0.024+/-0.000 χ^2/NDF : 1176385773.5/15

+ sign 0.013+/-0.000 χ^2/NDF : 79267327937.5/34

All: 0.016+/-0.000 χ^2/NDF : 134678555834.9

- sign 0.022+/-0.000 χ^2/NDF : 41970737301.0/34

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2401048.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:11947907.8/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5341022.6/18

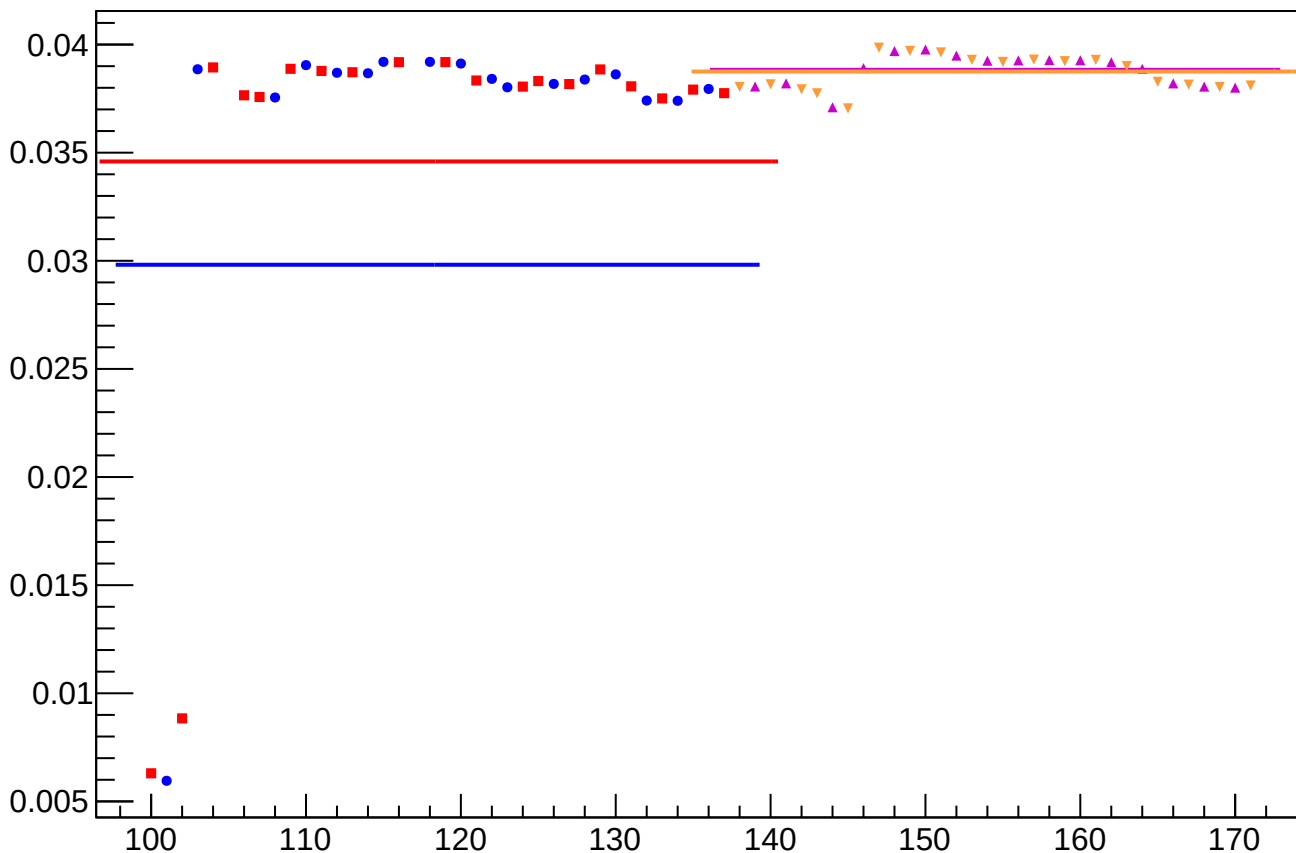
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:786418.1/15

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17176164.5/34

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29041449.7/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7819669.7/34

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 439273750.3/17

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 120803353214.9/34

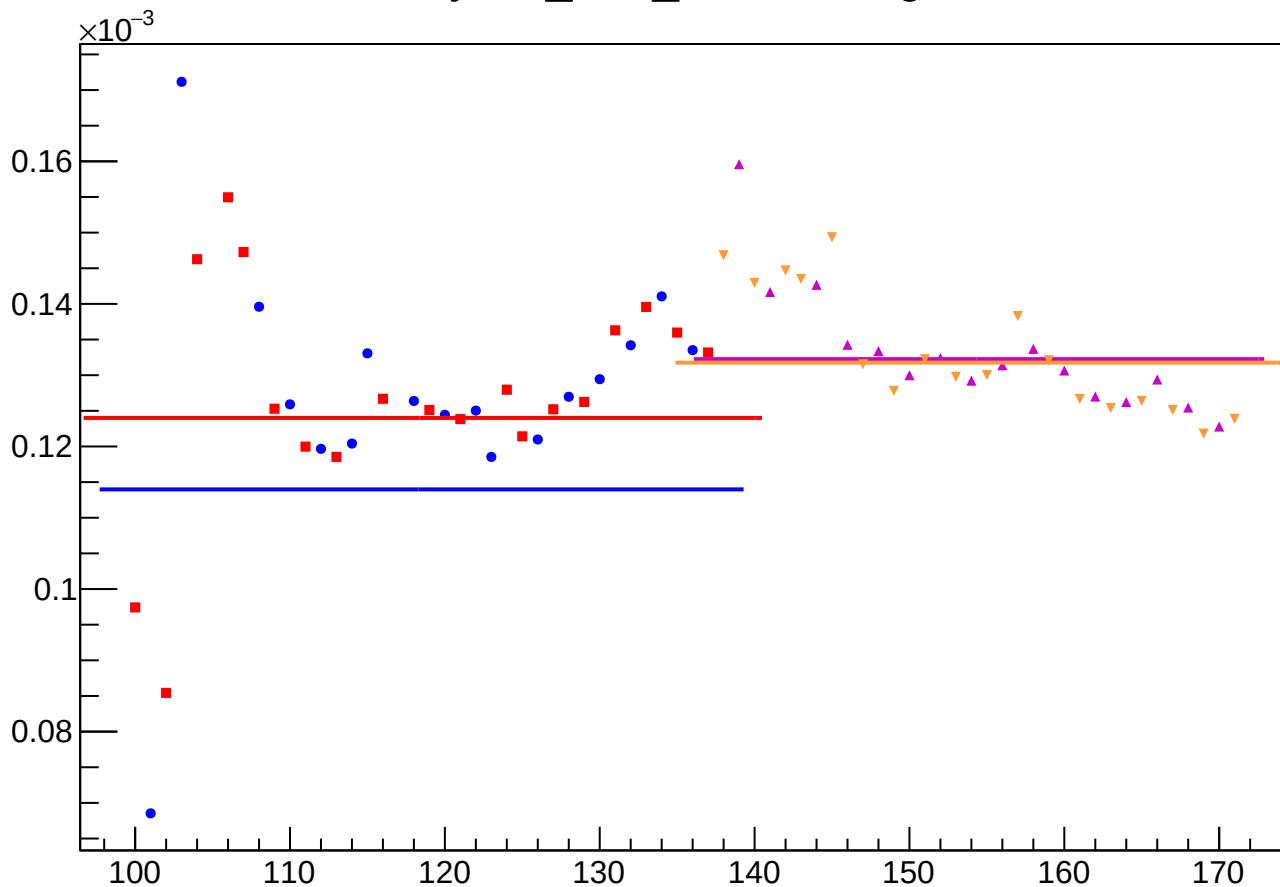
Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43669374279.3/18

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 171739650493.4

Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 372558614.0/15

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 48833841844.9/34

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 94643.5/17

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

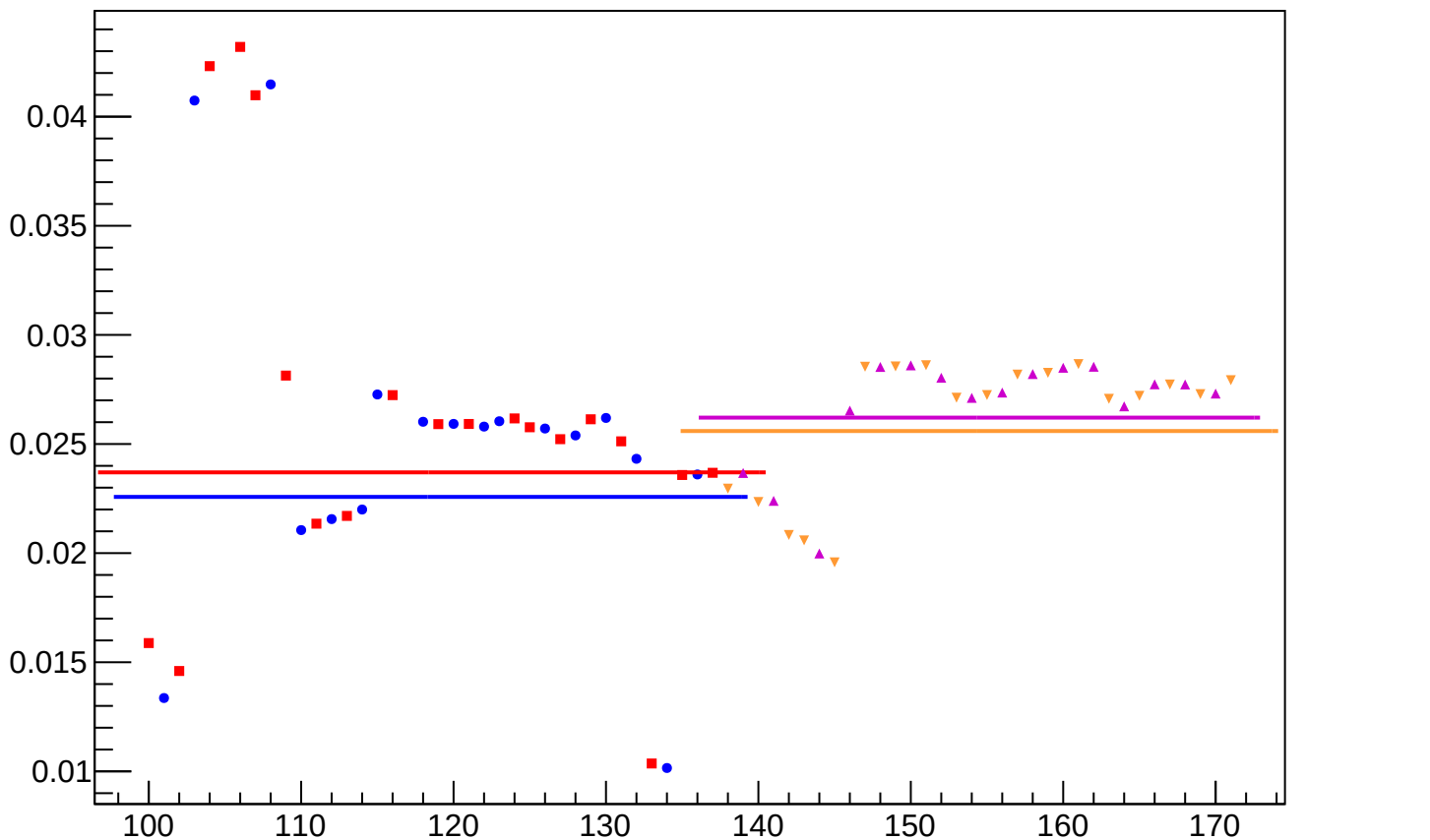
Left In: 0.000+/-0.000 χ^2/NDF : 79994.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 1073006.8/34

All: 0.000+/-0.000 χ^2/NDF : 1454911.9/69

- sign 0.000+/-0.000 χ^2/NDF : 361452.7/34

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.026+/-0.000 χ^2/NDF : 1715597583.7/17

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

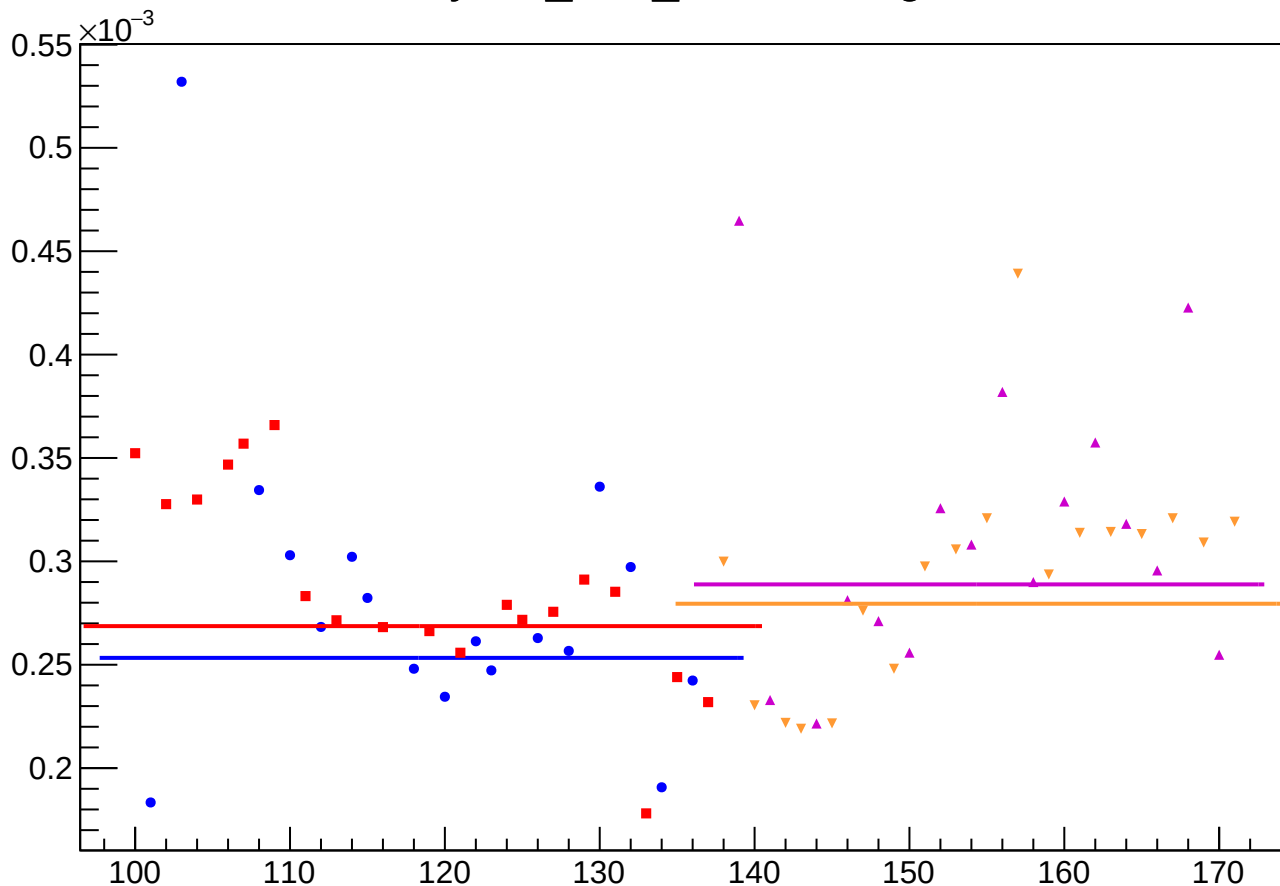
Left In: 0.026+/-0.000 χ^2/NDF : 1145645392.8/15

+ sign 0.024+/-0.000 χ^2/NDF : 6478640874.1/34

All: 0.025+/-0.000 χ^2/NDF : 13670094790.1/6

- sign 0.025+/-0.000 χ^2/NDF : 7124560223.3/34

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 628101.5/17

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

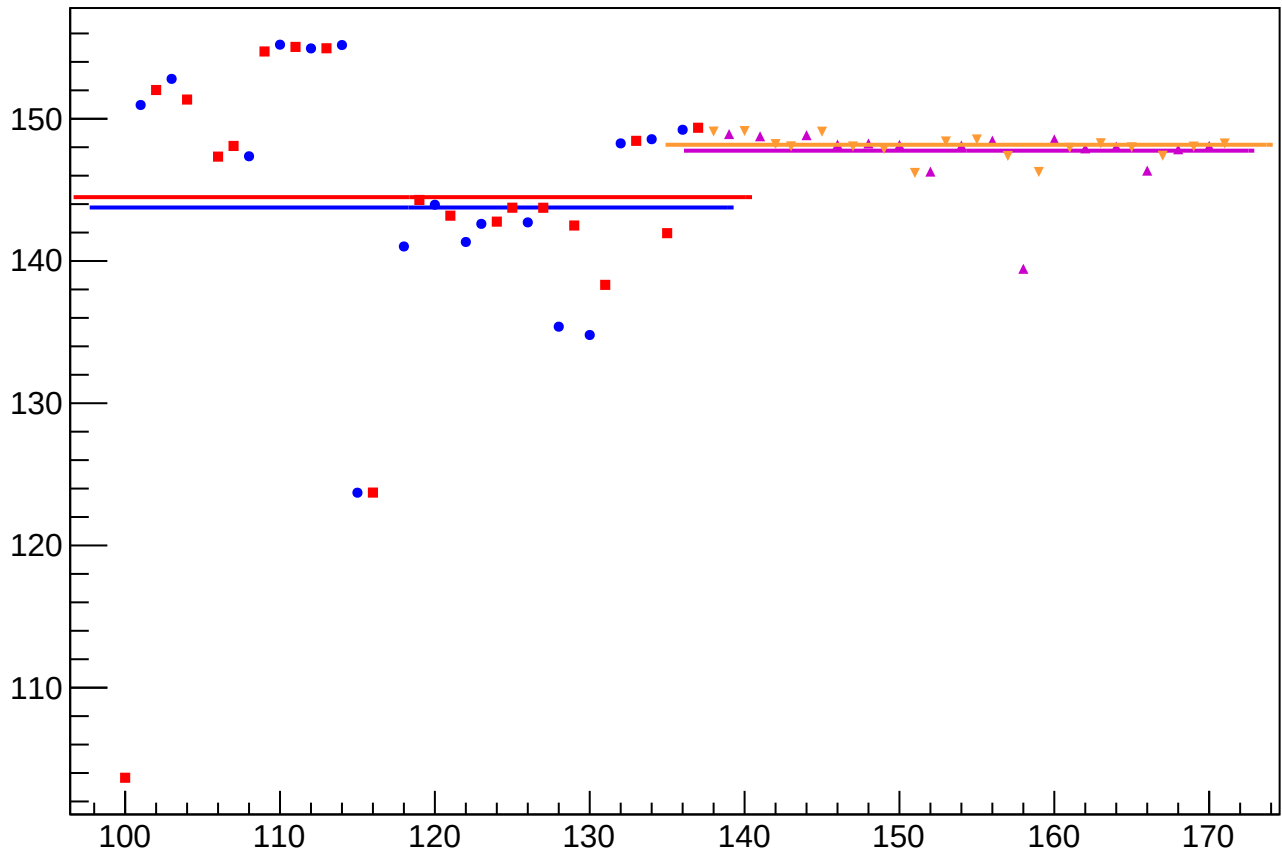
Left In: 0.000+/-0.000 χ^2/NDF : 841631.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 1334807.8/34

All: 0.000+/-0.000 χ^2/NDF : 2676290.9/69

- sign 0.000+/-0.000 χ^2/NDF : 1312363.5/34

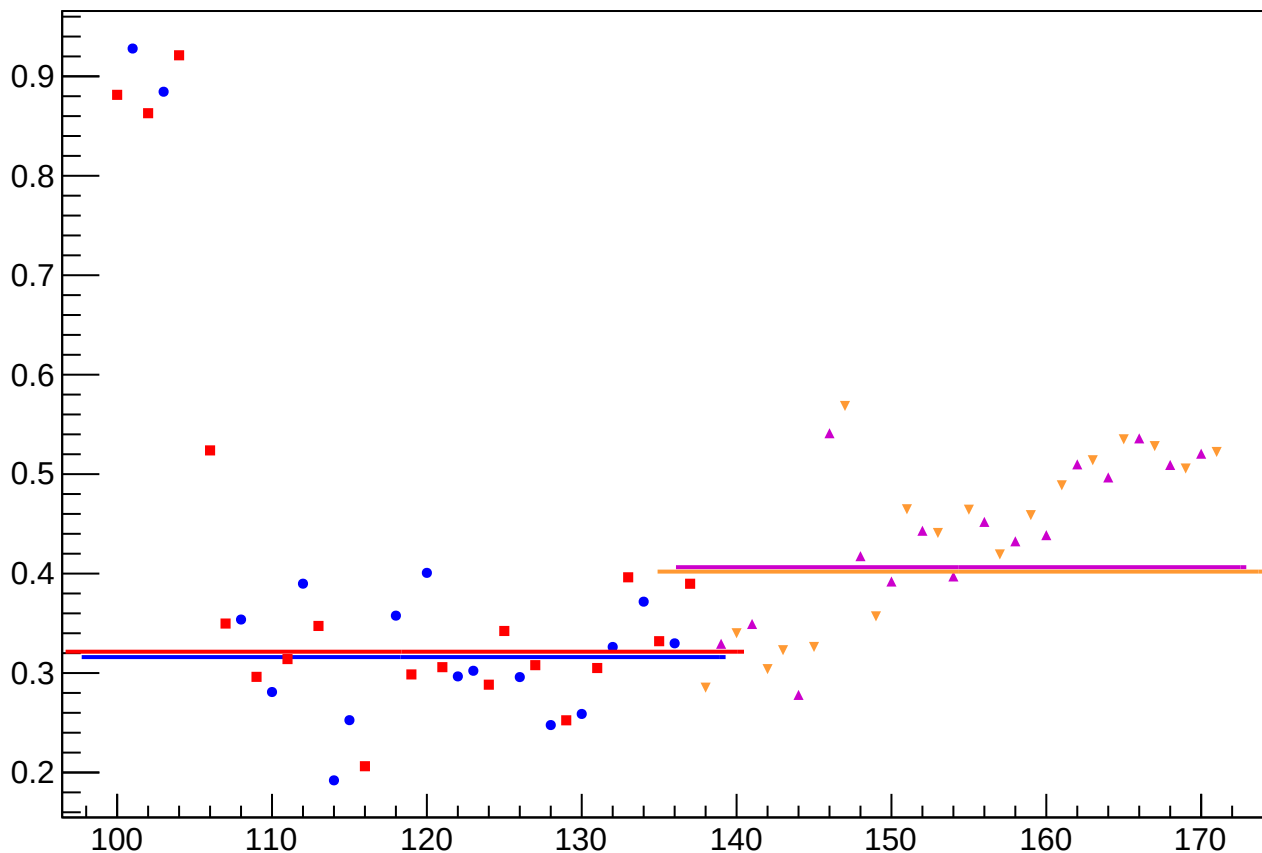
yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16
 Left Out: 148.174 $\pm$ 0.000 χ^2 /NDF: 52480898.2/17
 Right Out: 144.490 $\pm$ 0.000 χ^2 /NDF: 4182548232.5/18
 Left In: 147.757 $\pm$ 0.000 χ^2 /NDF: 325567373.3/15

+ sign 146.322 $\pm$ 0.000 χ^2 /NDF: 4215047688.4/34
 All: 146.311 $\pm$ 0.000 χ^2 /NDF: 9058359597.8
 - sign 146.300 $\pm$ 0.000 χ^2 /NDF: 4843280094.9/34

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 $\pm$ 0.000 χ^2 /NDF: 1265921.5/16

Left Out: 0.402 $\pm$ 0.000 χ^2 /NDF:1203210.5/17

Right Out: 0.321 $\pm$ 0.000 χ^2 /NDF: 1219073.9/18

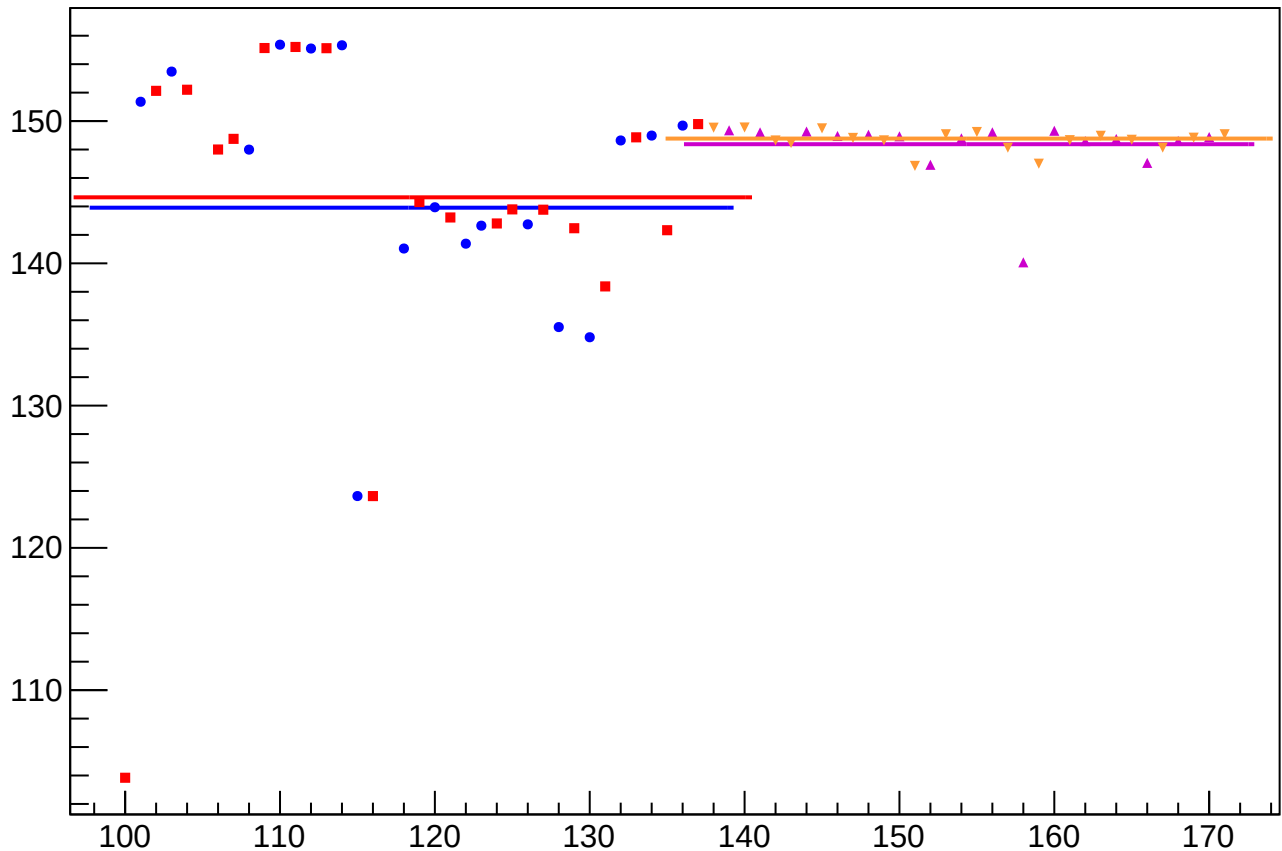
Left In: 0.406 $\pm$ 0.000 χ^2 /NDF:920643.0/15

+ sign 0.366 $\pm$ 0.000 χ^2 /NDF: 2946085.7/34

All: 0.367 $\pm$ 0.000 χ^2 /NDF: 5540300.3/69

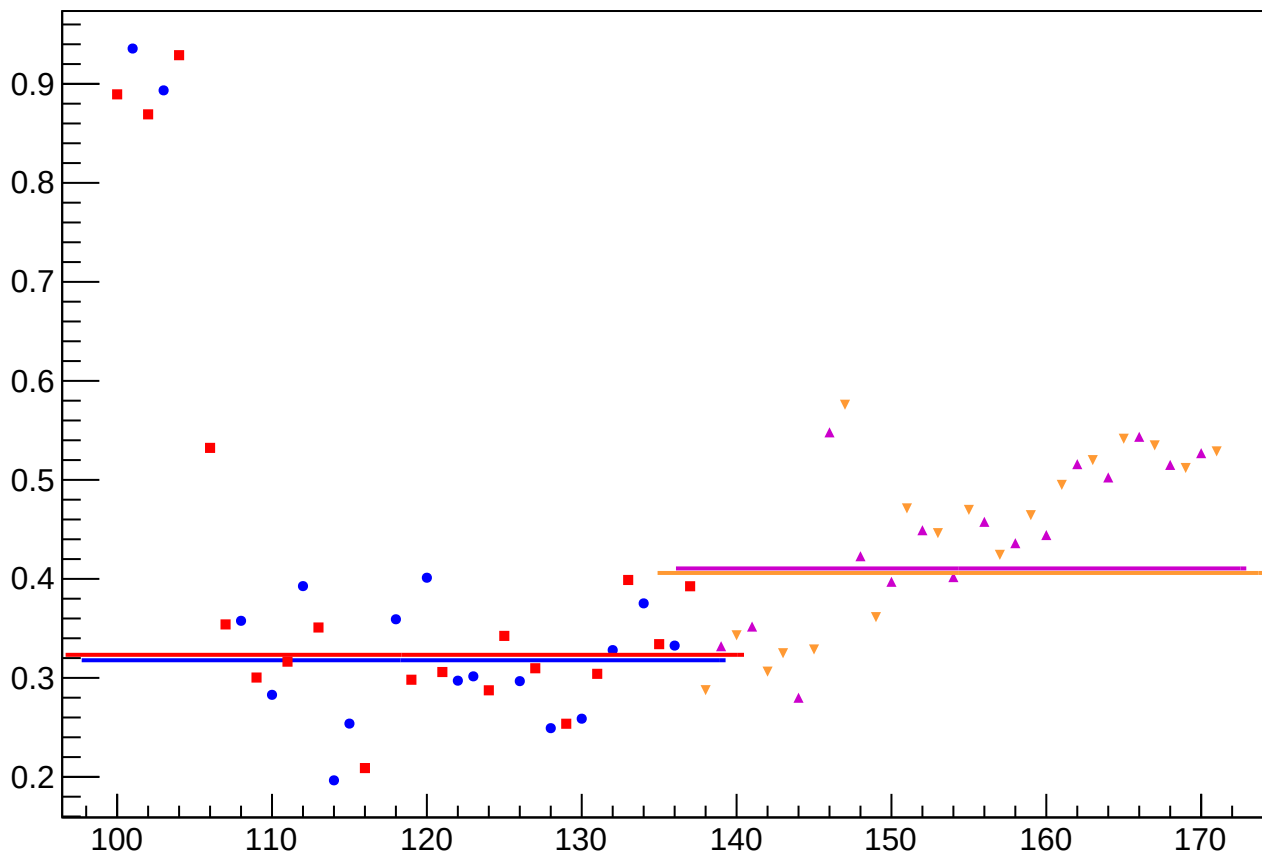
- sign 0.369 $\pm$ 0.000 χ^2 /NDF: 2593319.0/34

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000	χ^2 /NDF: 3587769790.2/16	+ sign 146.720 $\pm$ 0.000	χ^2 /NDF: 4378953945.1/34
Left Out: 148.770 $\pm$ 0.000	χ^2 /NDF: 41169234.5/17	All: 146.711 $\pm$ 0.000	χ^2 /NDF: 9334354638.0
Right Out: 144.640 $\pm$ 0.000	χ^2 /NDF: 4209610240.4/18	- sign 146.701 $\pm$ 0.000	χ^2 /NDF: 4955377437.5/34
Left In: 148.374 $\pm$ 0.000	χ^2 /NDF: 314840600.9/15		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.406 $\pm$ 0.000 χ^2 /NDF:1225237.0/17

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222241.9/18

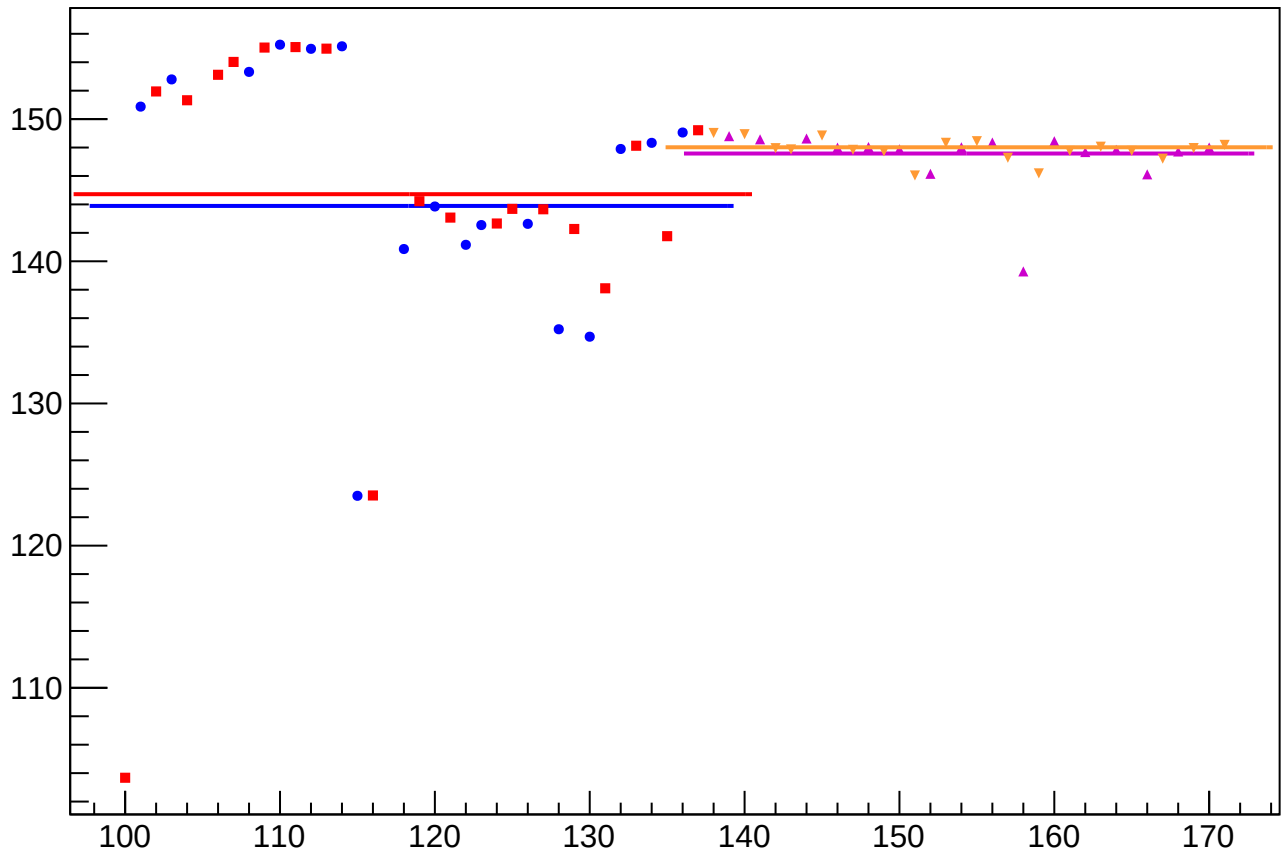
Left In: 0.411 $\pm$ 0.000 χ^2 /NDF:939183.8/15

+ sign 0.369 $\pm$ 0.000 χ^2 /NDF: 2987800.0/34

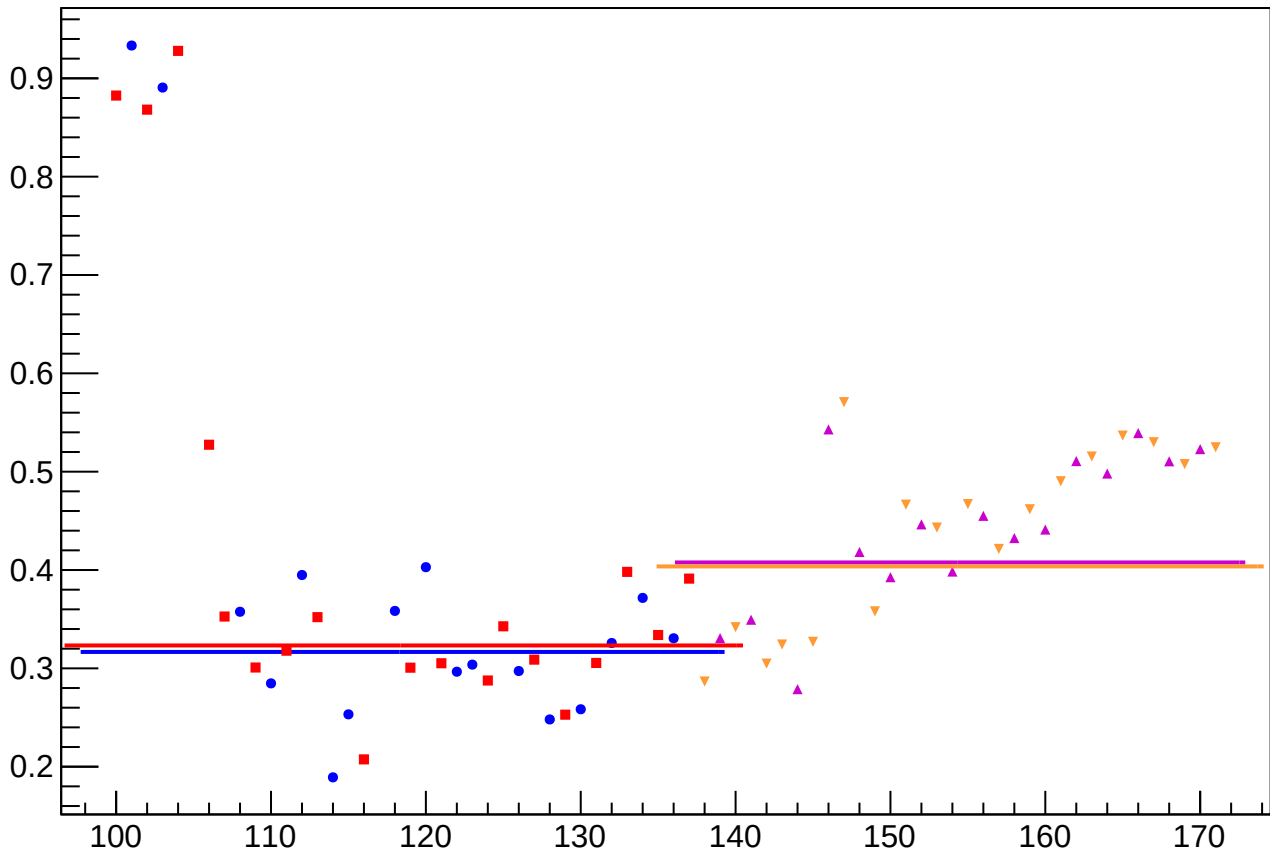
All: 0.370 $\pm$ 0.000 χ^2 /NDF: 5620700.9/69

- sign 0.371 $\pm$ 0.000 χ^2 /NDF: 2631988.7/34

yield_bcm_an_us_mean vs Slug



yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.404 ± 0.000 χ^2/NDF : 1204524.1/17

Right Out: 0.323 ± 0.000 χ^2/NDF : 1222784.7/18

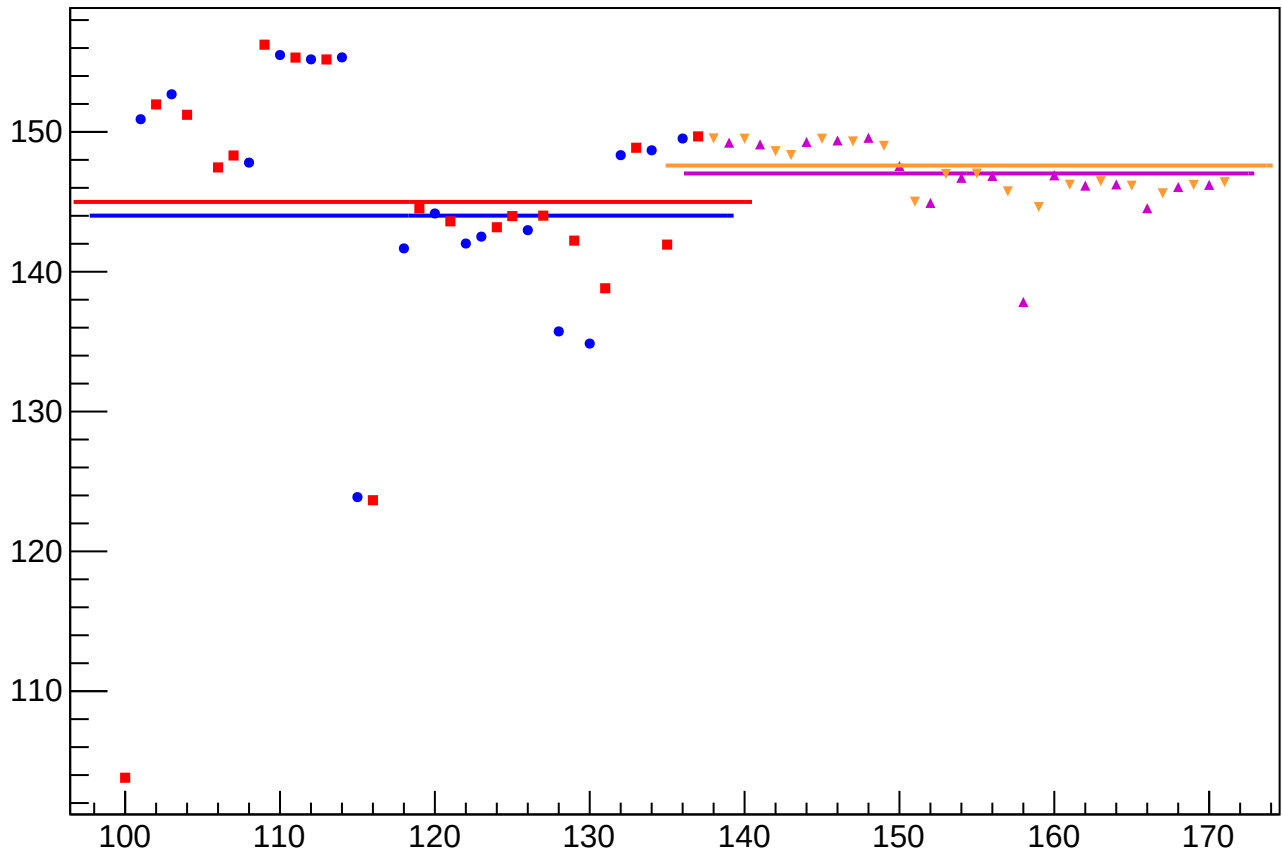
Left In: 0.408 ± 0.000 χ^2/NDF : 925583.4/15

+ sign 0.367 ± 0.000 χ^2/NDF : 2969489.8/34

All: 0.369 ± 0.000 χ^2/NDF : 5562430.5/69

- sign 0.370 ± 0.000 χ^2/NDF : 2591743.0/34

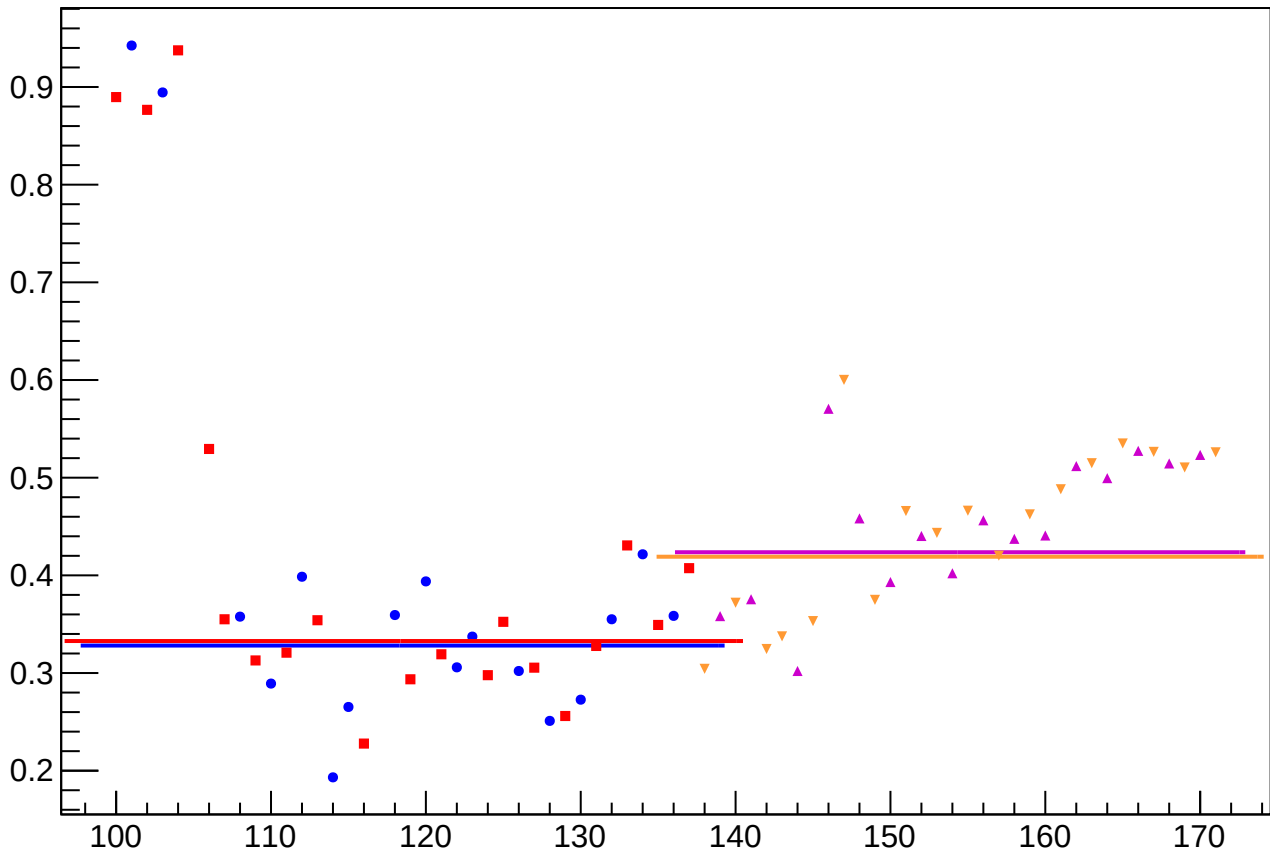
yield_bcm_dg_us_mean vs Slug



Right In: 144.012 ± 0.000 χ^2/NDF : 3241696920.3/16
 Left Out: 147.598 ± 0.000 χ^2/NDF : 200446219.4/17
 Right Out: 144.994 ± 0.000 χ^2/NDF : 3852381452.1/18
 Left In: 147.029 ± 0.000 χ^2/NDF : 505064251.7/15

+ sign 146.096 ± 0.000 χ^2/NDF : 3825664147.6/34
 All: 146.108 ± 0.000 χ^2/NDF : 8304137015.0
 - sign 146.119 ± 0.000 χ^2/NDF : 4478441839.5/34

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.419 ± 0.000 χ^2/NDF : 937025.3/17

Right Out: 0.333 ± 0.000 χ^2/NDF : 1185129.6/18

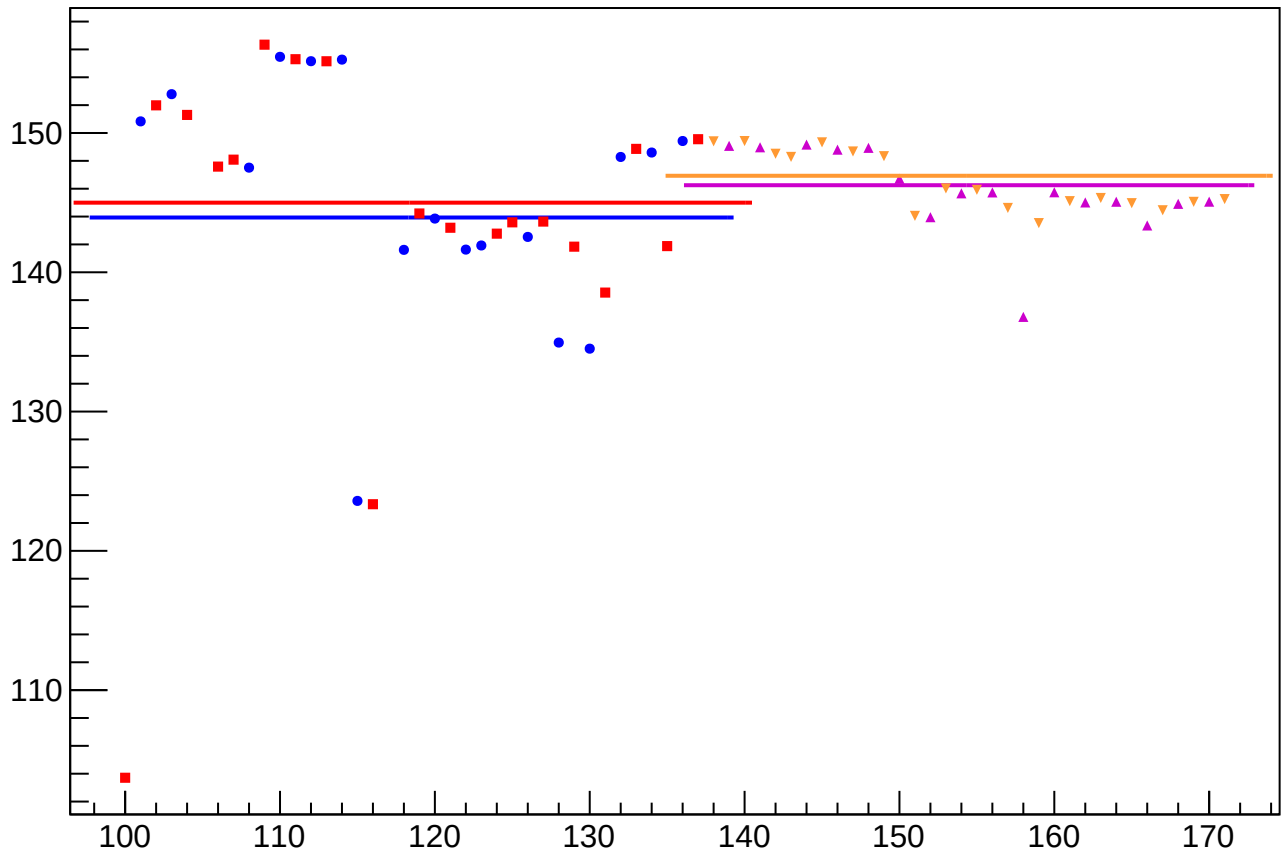
Left In: 0.424 ± 0.000 χ^2/NDF : 700193.7/15

+ sign 0.381 ± 0.000 χ^2/NDF : 2696486.0/34

All: 0.382 ± 0.000 χ^2/NDF : 5065028.8/69

- sign 0.383 ± 0.000 χ^2/NDF : 2368042.1/34

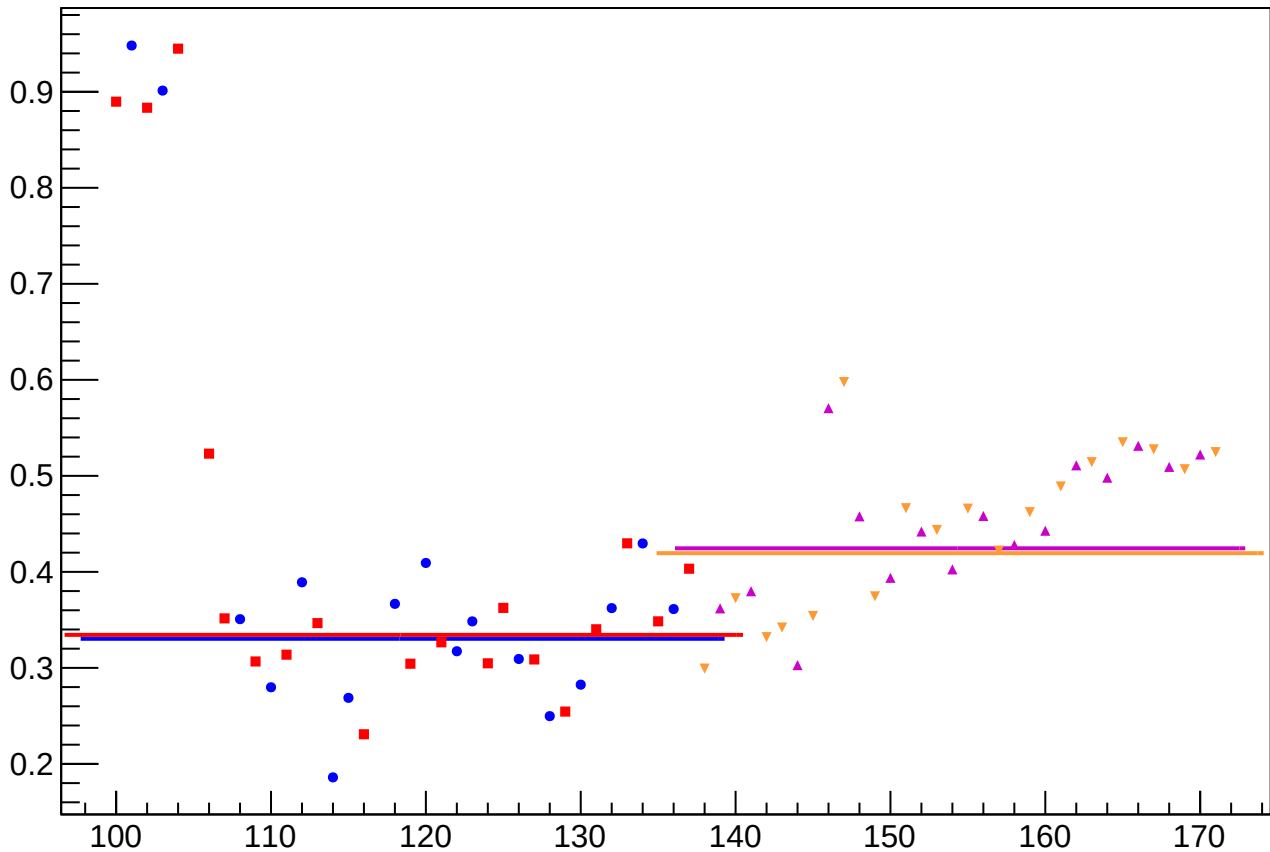
yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 ± 0.000 χ^2/NDF : 3383012861.2/16
 Left Out: 146.929 ± 0.000 χ^2/NDF : 311106280.9/17
 Right Out: 144.998 ± 0.000 χ^2/NDF : 3932958476.0/18
 Left In: 146.251 ± 0.000 χ^2/NDF : 625372659.3/15

+ sign 145.685 ± 0.000 χ^2/NDF : 3959079062.6/34
 All: 145.689 ± 0.000 χ^2/NDF : 8562878234.0
 - sign 145.693 ± 0.000 χ^2/NDF : 4603795225.5/34

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.419 ± 0.000 χ^2/NDF : 929954.9/17

Right Out: 0.334 ± 0.000 χ^2/NDF : 1174012.0/18

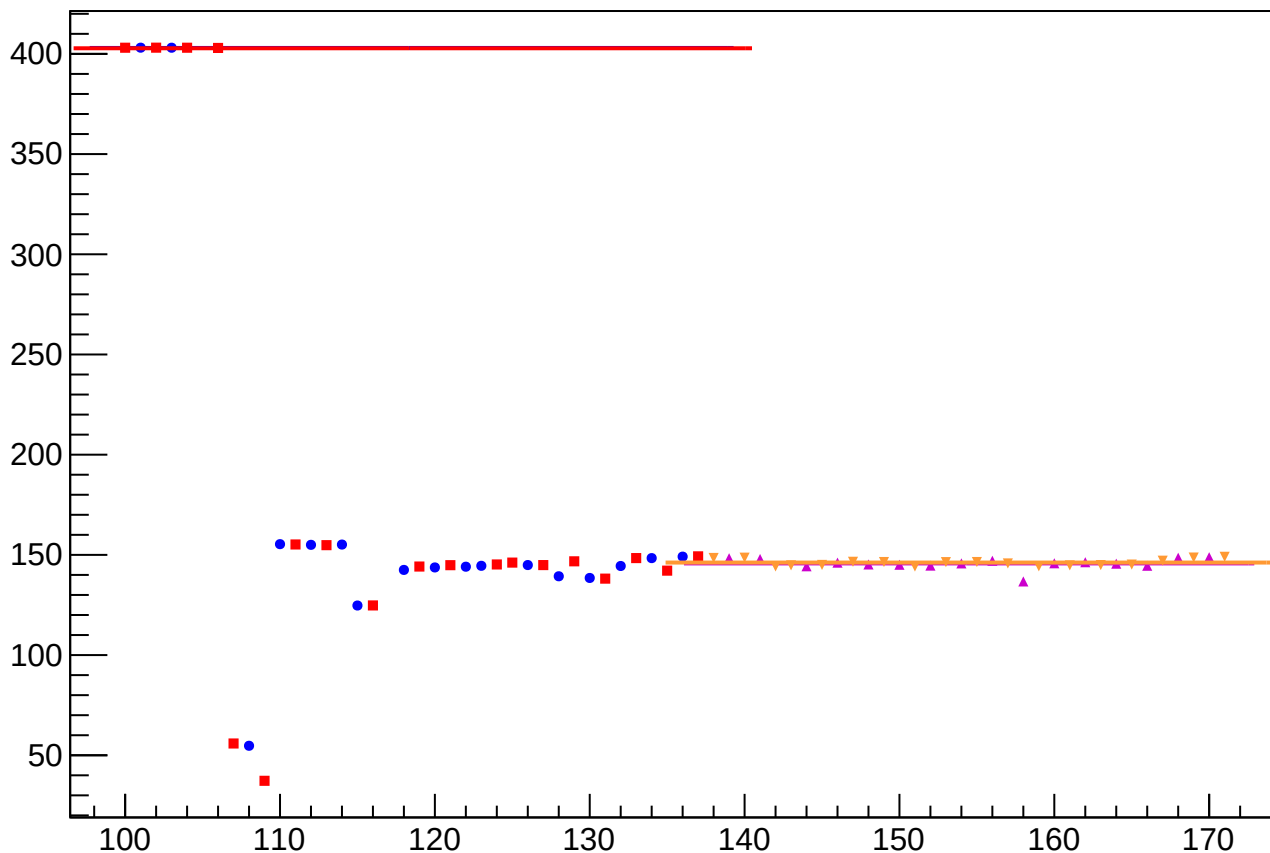
Left In: 0.425 ± 0.000 χ^2/NDF : 676603.0/15

+ sign 0.382 ± 0.000 χ^2/NDF : 2683072.4/34

All: 0.383 ± 0.000 χ^2/NDF : 5004972.0/69

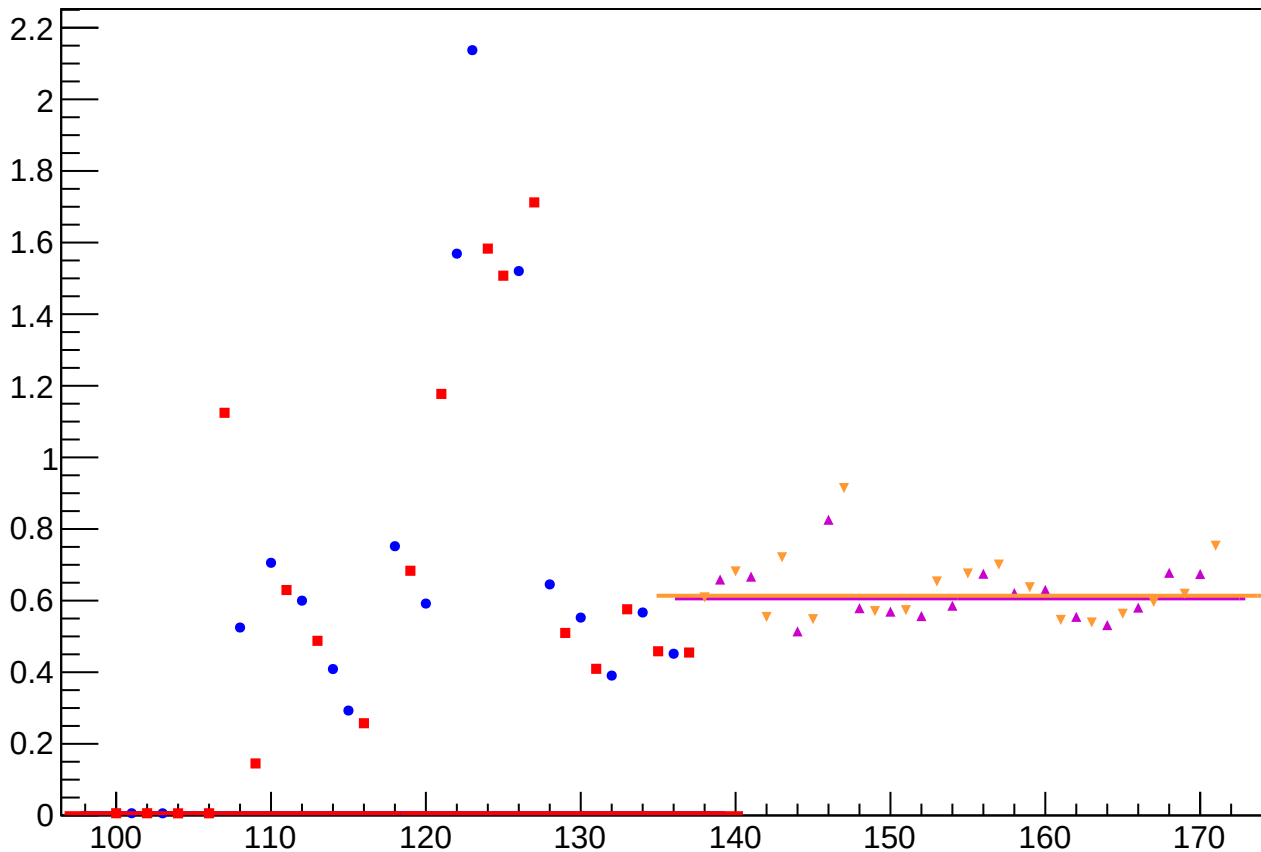
- sign 0.384 ± 0.000 χ^2/NDF : 2321448.3/34

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000	χ^2/NDF : 1094364588383.4/16	+ sign 402.738+/-0.000	χ^2/NDF : 2851362047595.0
Left Out: 146.170+/-0.000	χ^2/NDF : 71249401.3/17	All: 402.673+/-0.000	χ^2/NDF : 761564450790
Right Out: 402.799+/-0.000	χ^2/NDF : 3102036567767.5/18	- sign 402.615+/-0.000	χ^2/NDF : 4764034082387.0
Left In: 145.735+/-0.000	χ^2/NDF : 165252271.5/15		

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.614+/-0.000 χ^2/NDF :309657.1/17

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

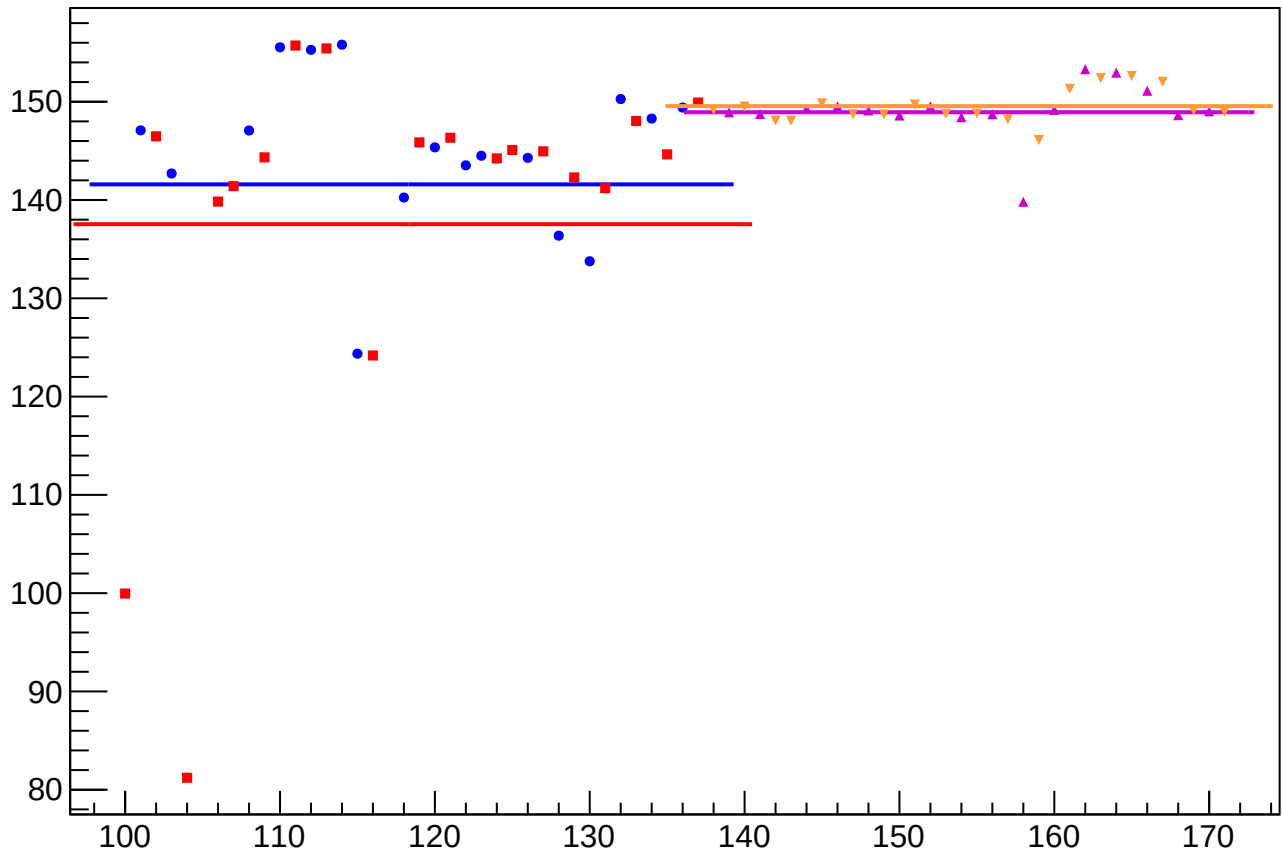
Left In: 0.606+/-0.000 χ^2/NDF :226071.4/15

+ sign 0.007+/-0.000 χ^2/NDF : 29043539.4/34

All: 0.007+/-0.000 χ^2/NDF : 56565272.1/69

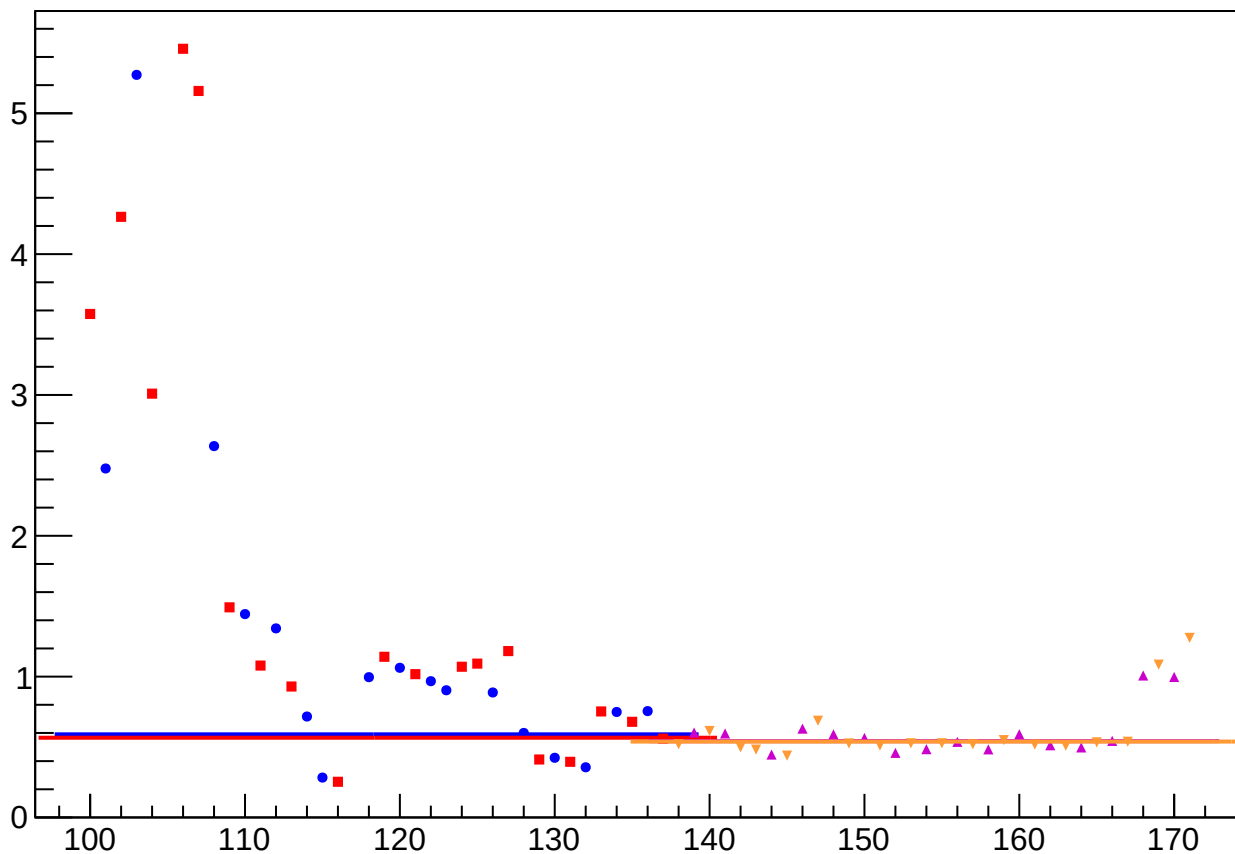
- sign 0.007+/-0.000 χ^2/NDF : 27521388.6/34

yield_cav4cQ_mean vs Slug



Right In: 141.593+/-0.000	χ^2/NDF : 980101868.2/16	+ sign 147.936+/-0.000	χ^2/NDF : 1609599209.8/34
Left Out: 149.551+/-0.000	χ^2/NDF : 119957794.7/17	All: 147.169+/-0.000	χ^2/NDF : 4416281967.2
Right Out: 137.539+/-0.000	χ^2/NDF : 1316096307.7/18	- sign 146.360+/-0.000	χ^2/NDF : 2746616870.8/34
Left In: 148.931+/-0.000	χ^2/NDF : 363120794.8/15		

yield_cav4cQ_rms vs Slug



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.539+/-0.000 χ^2/NDF : 1026039.5/17

Right Out: 0.566+/-0.000 χ^2/NDF : 4683596.4/18

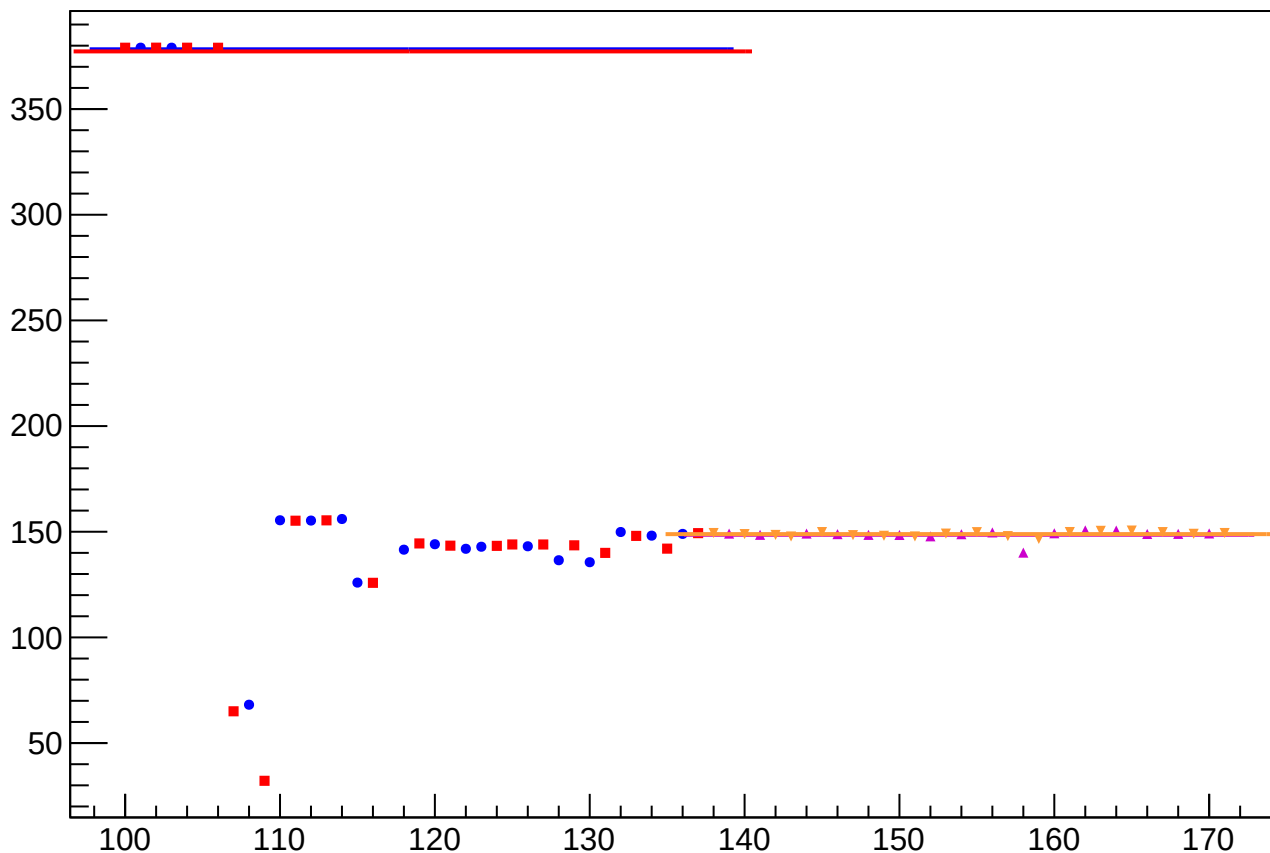
Left In: 0.542+/-0.000 χ^2/NDF : 830198.5/15

+ sign 0.549+/-0.000 χ^2/NDF : 4560665.8/34

All: 0.548+/-0.000 χ^2/NDF : 10084451.5/69

- sign 0.547+/-0.000 χ^2/NDF : 5523582.3/34

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.865+/-0.000 χ^2/NDF : 60638060.3/17

Right Out: 377.287+/-0.000 χ^2/NDF : 8286303106836.4/18

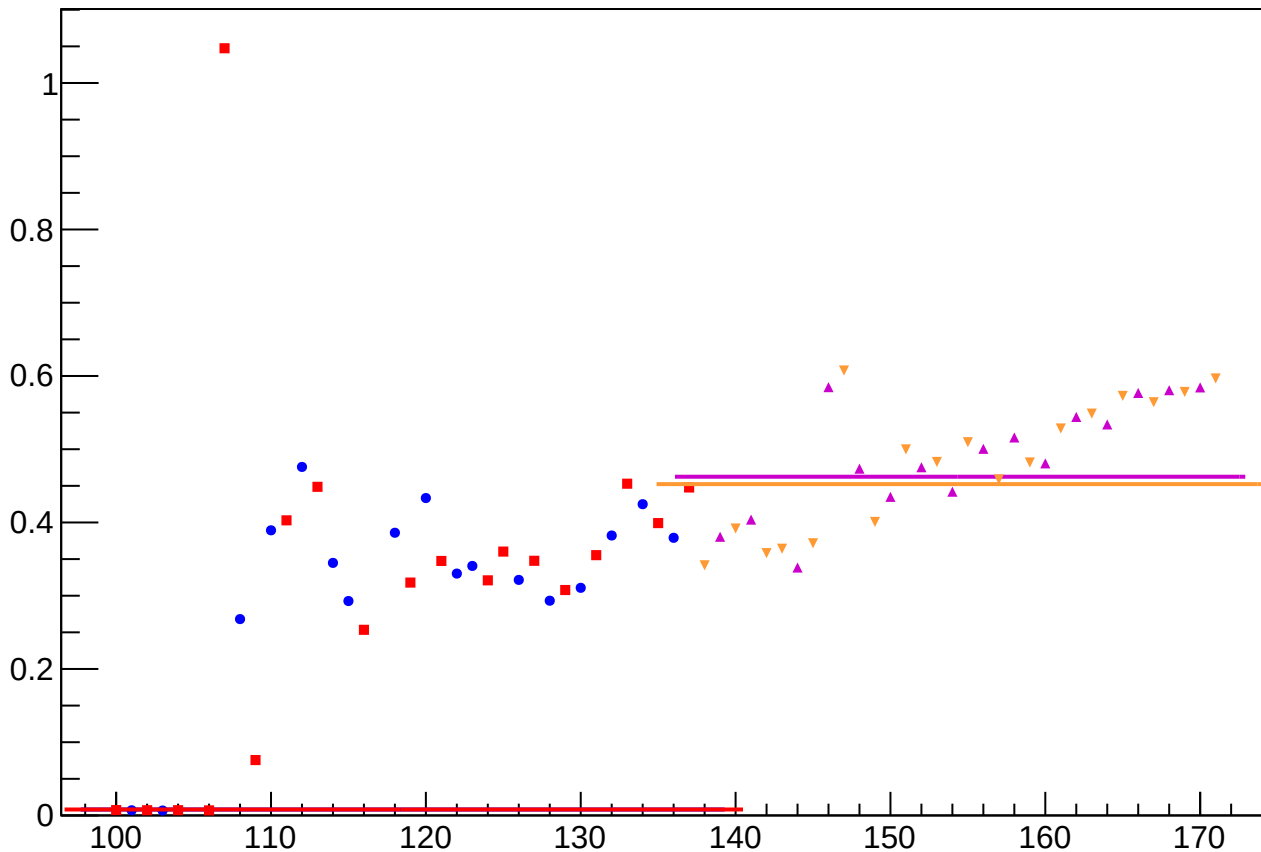
Left In: 148.566+/-0.000 χ^2/NDF : 234725527.8/15

+ sign 377.225+/-0.000 χ^2/NDF : 5738703383441.2

All: 376.817+/-0.000 χ^2/NDF : 169085157970

- sign 376.458+/-0.000 χ^2/NDF : 11165619310126.2

yield_cav4dQ_rms vs Slug



Right In: 0.008 ± 0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.452 ± 0.000 χ^2/NDF : 912441.0/17

Right Out: 0.008 ± 0.000 χ^2/NDF : 9522827.2/18

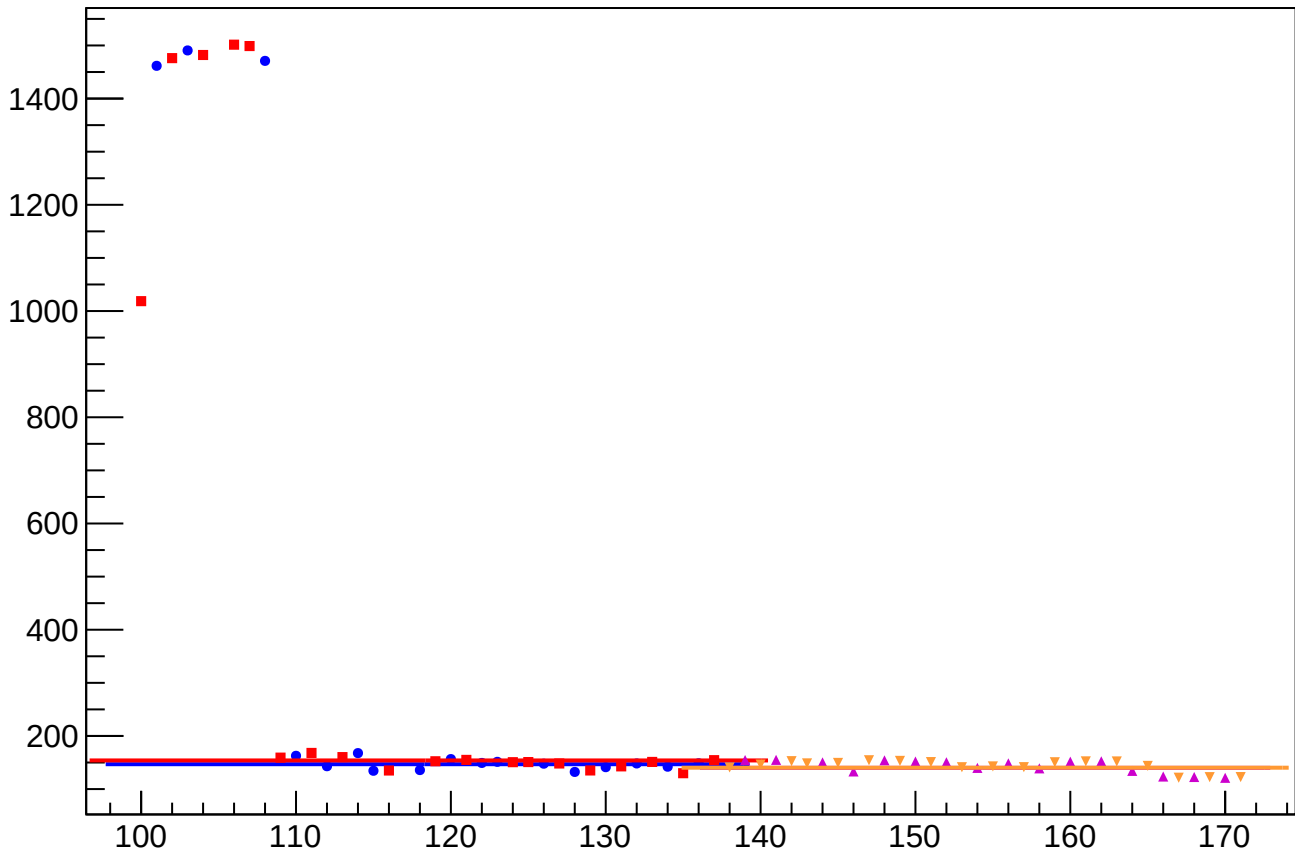
Left In: 0.462 ± 0.000 χ^2/NDF : 666167.1/15

+ sign 0.010 ± 0.000 χ^2/NDF : 34943015.0/34

All: 0.010 ± 0.000 χ^2/NDF : 67852103.3/69

- sign 0.010 ± 0.000 χ^2/NDF : 32907078.0/34

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 140.242+/-0.000 χ^2/NDF : 2367738556.7/17

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

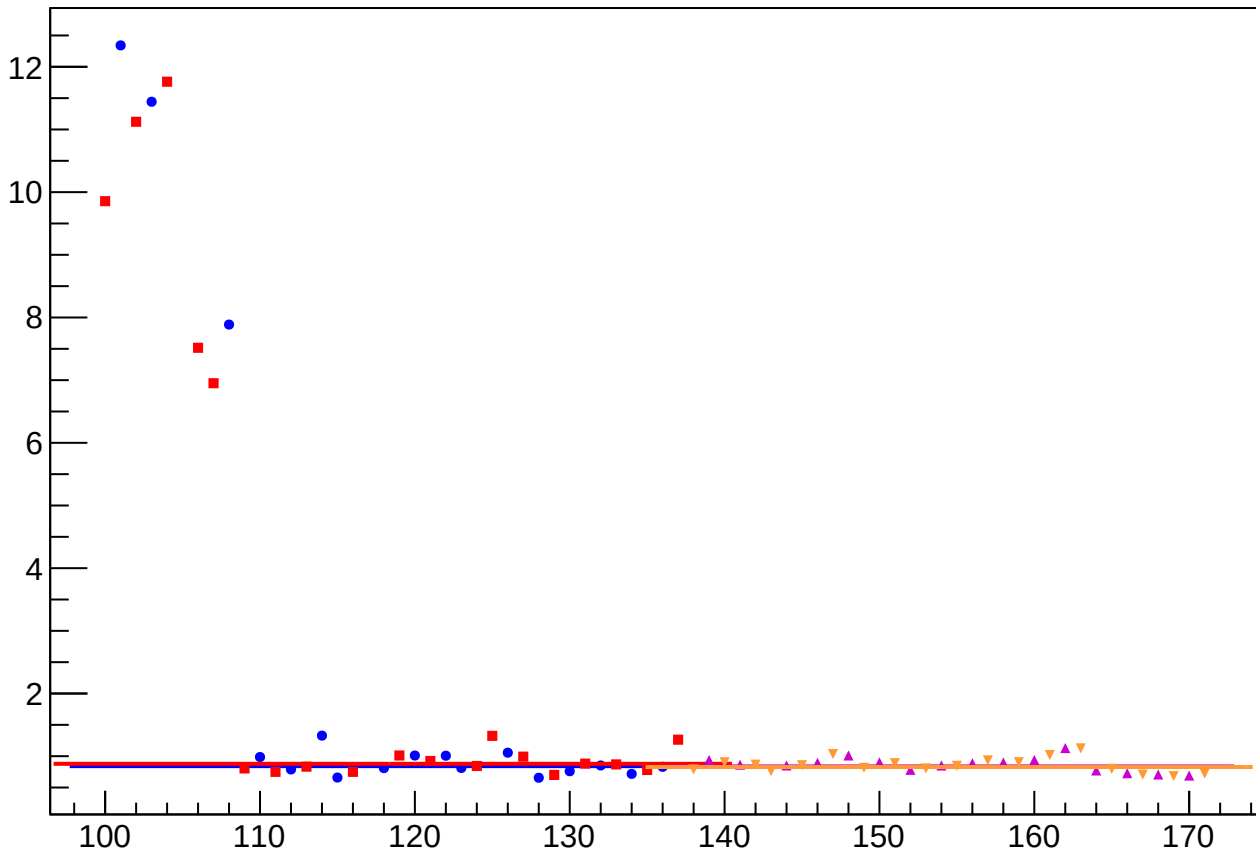
Left In: 139.906+/-0.000 χ^2/NDF : 2405136484.9/15

+ sign 141.881+/-0.000 χ^2/NDF : 26901423401.0/34

All: 142.718+/-0.000 χ^2/NDF : 63836414512.0/34

- sign 143.614+/-0.000 χ^2/NDF : 36904020942.0/34

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.827 ± 0.000 χ^2/NDF : 396897.7/17

Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

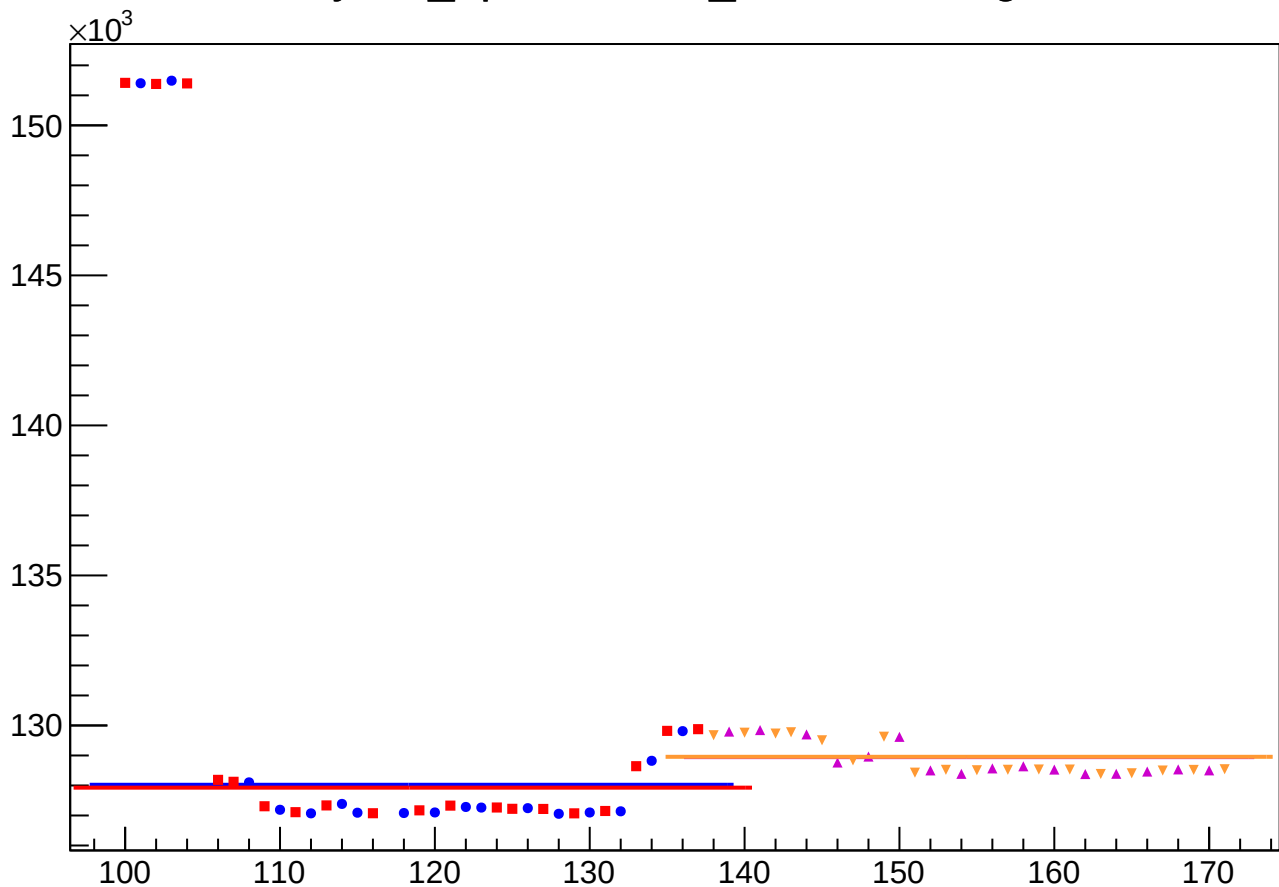
Left In: 0.837 ± 0.000 χ^2/NDF : 343000.9/15

+ sign 0.831 ± 0.000 χ^2/NDF : 3060902.3/34

All: 0.839 ± 0.000 χ^2/NDF : 6238036.2/69

- sign 0.848 ± 0.000 χ^2/NDF : 3170829.8/34

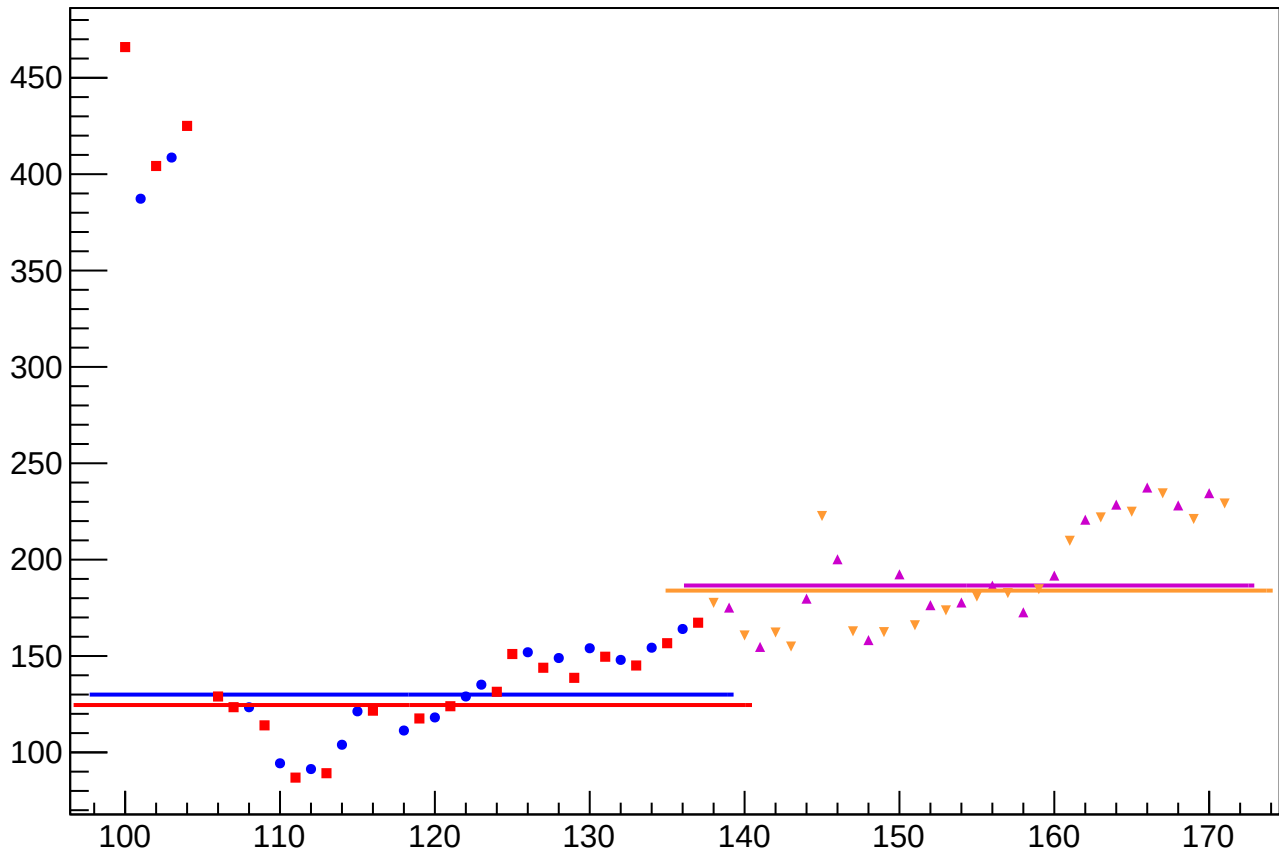
yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128955.486 $\pm$ 0.051 χ^2 /NDF: 124474599.6/17
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 128945.014 $\pm$ 0.053 χ^2 /NDF: 110408599.5/15

+ sign 128522.488 $\pm$ 0.037 χ^2 /NDF: 4597351158.3
 - sign 128405.845 $\pm$ 0.037 χ^2 /NDF: 4069288656.7
 All: 128463.366 $\pm$ 0.026 χ^2 /NDF: 867162997

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 ± 0.039 χ^2/NDF : 1485519.5/16

Left Out: 183.942 ± 0.036 χ^2/NDF : 506994.4/17

Right Out: 124.566 ± 0.036 χ^2/NDF : 1531273.9/18

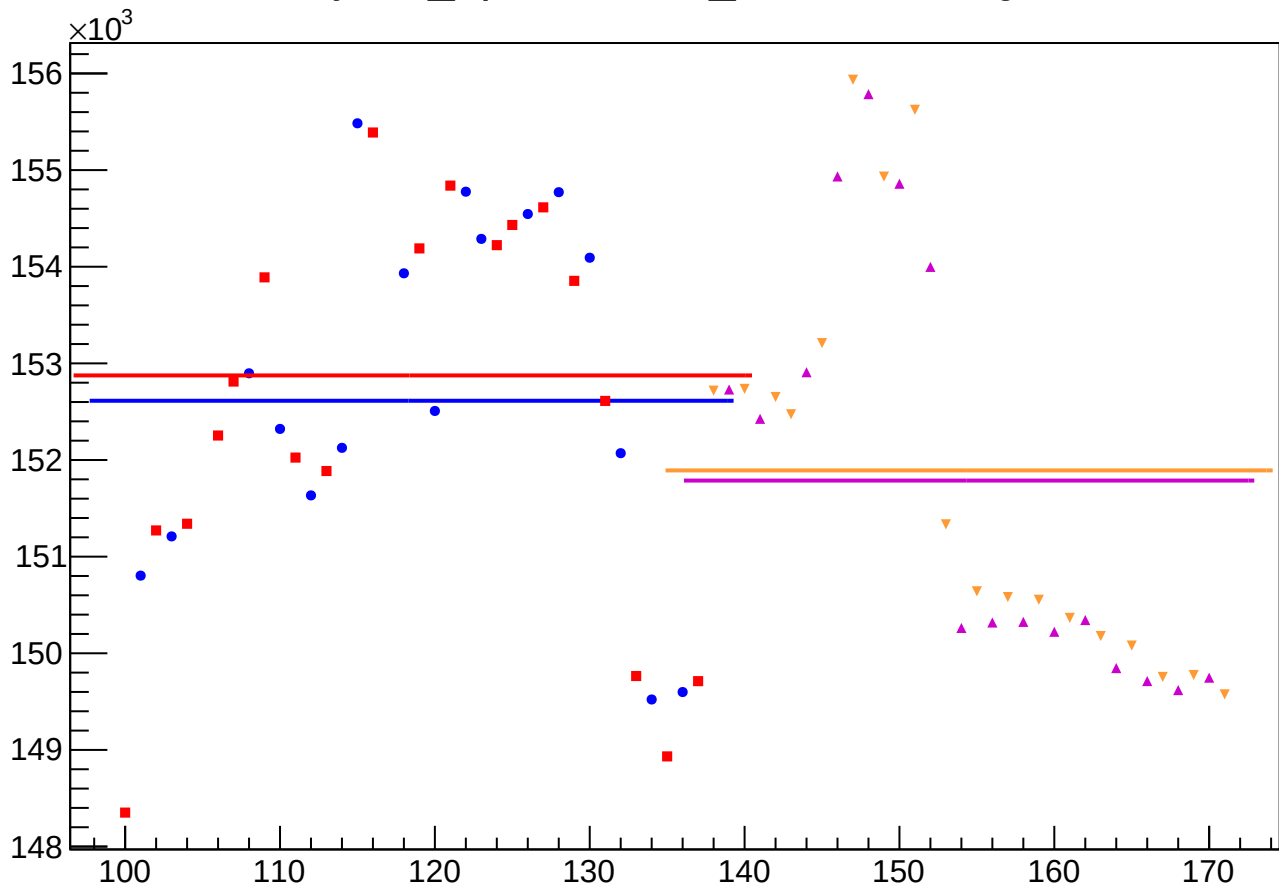
Left In: 186.582 ± 0.038 χ^2/NDF : 408145.5/15

+ sign 158.870 ± 0.026 χ^2/NDF : 3040777.4/34

All: 156.261 ± 0.018 χ^2/NDF : 6424779.9/69

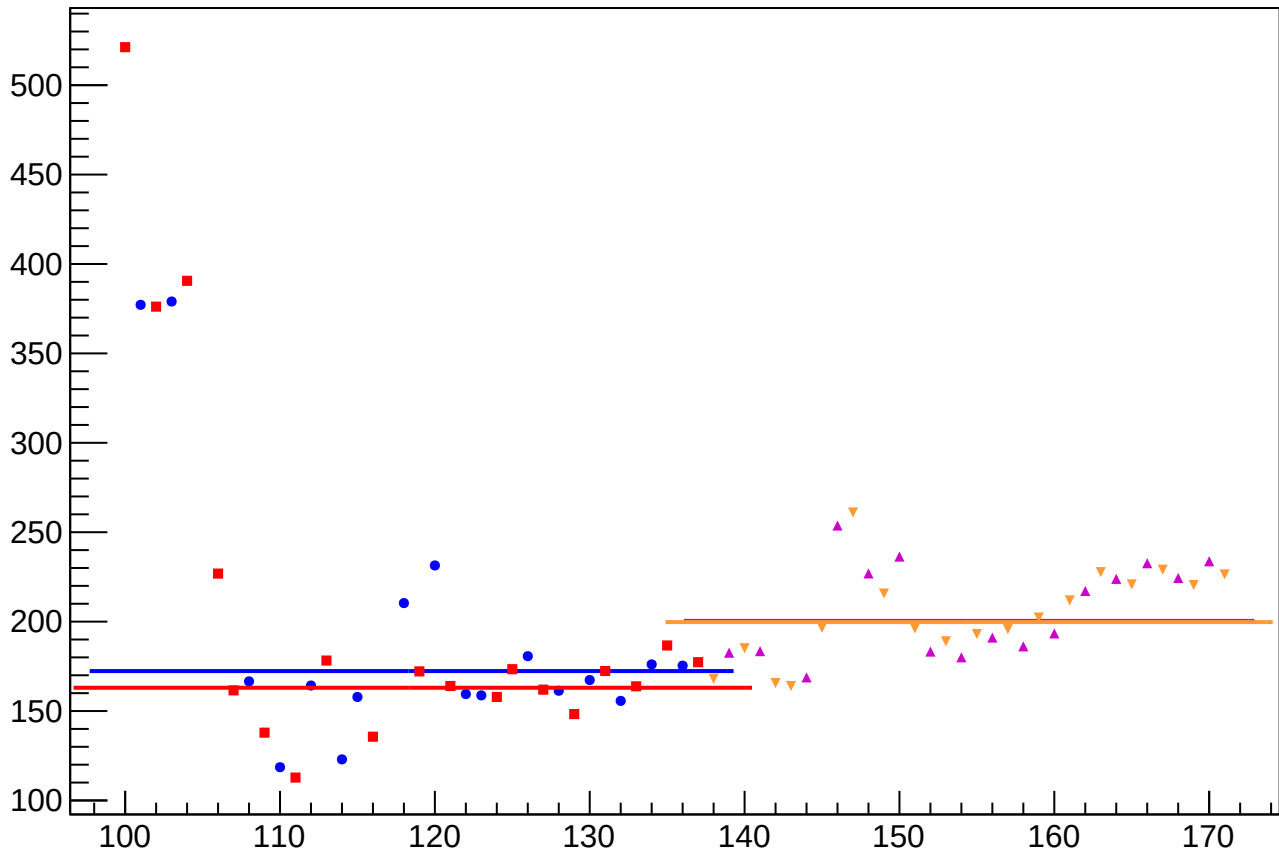
- sign 153.722 ± 0.026 χ^2/NDF : 3364557.3/34

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122+/-0.072	χ^2/NDF : 623356098.4/16	+ sign 152157.644+/-0.044	χ^2/NDF : 1857869405.5
Left Out: 151892.227+/-0.055	χ^2/NDF : 1171639731.5/17	All: 152206.958+/-0.031	χ^2/NDF : 388715648
Right Out: 152875.313+/-0.066	χ^2/NDF : 716358700.9/18	- sign 152255.297+/-0.043	χ^2/NDF : 2026782502.0/15
Left In: 151787.355+/-0.058	χ^2/NDF : 1156486433.9/15		

yield_bpm0i07WS_rms vs Slug



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 199.743+/-0.039 χ^2/NDF : 360984.8/17

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

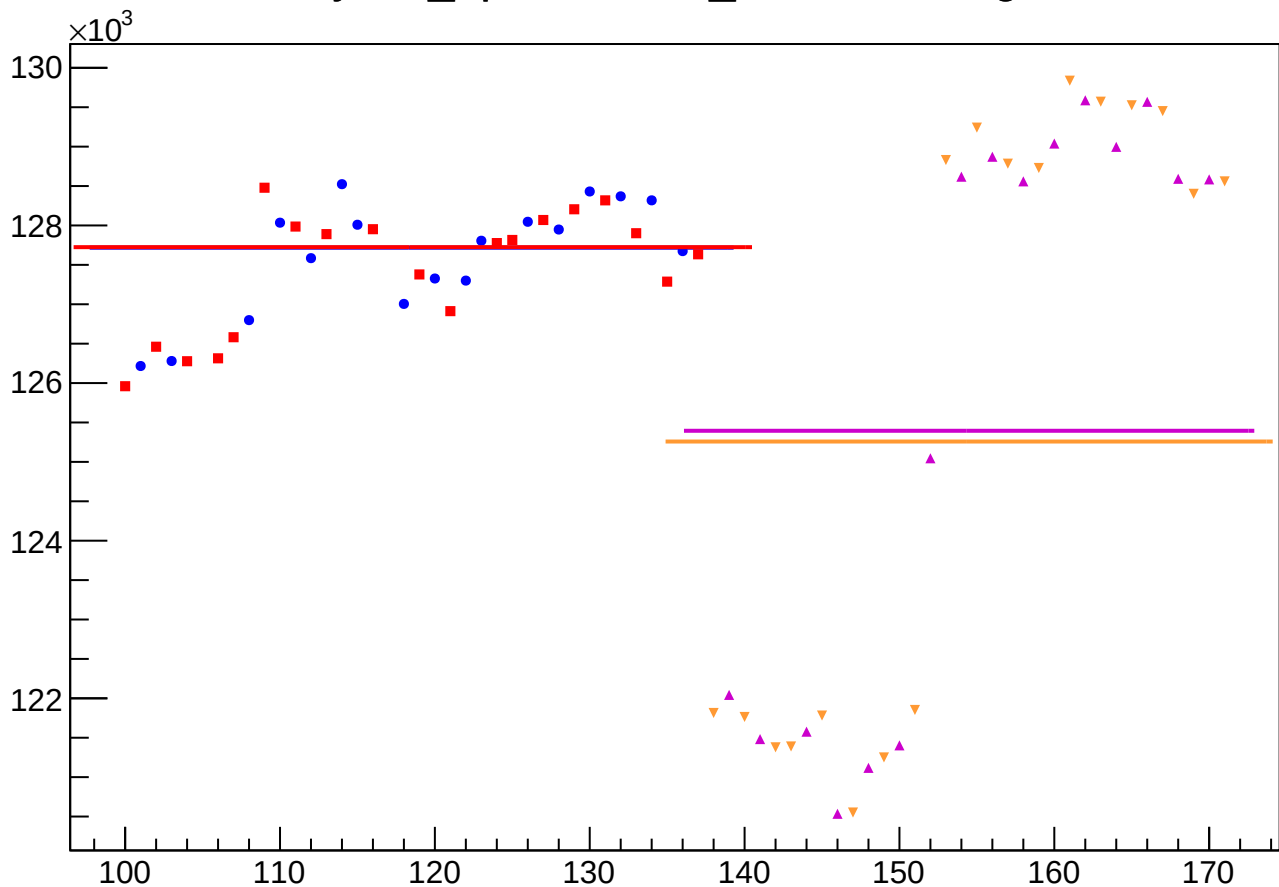
Left In: 200.417+/-0.041 χ^2/NDF : 361878.4/15

+ sign 189.658+/-0.031 χ^2/NDF : 1464450.2/34

All: 186.971+/-0.022 χ^2/NDF : 3237520.0/69

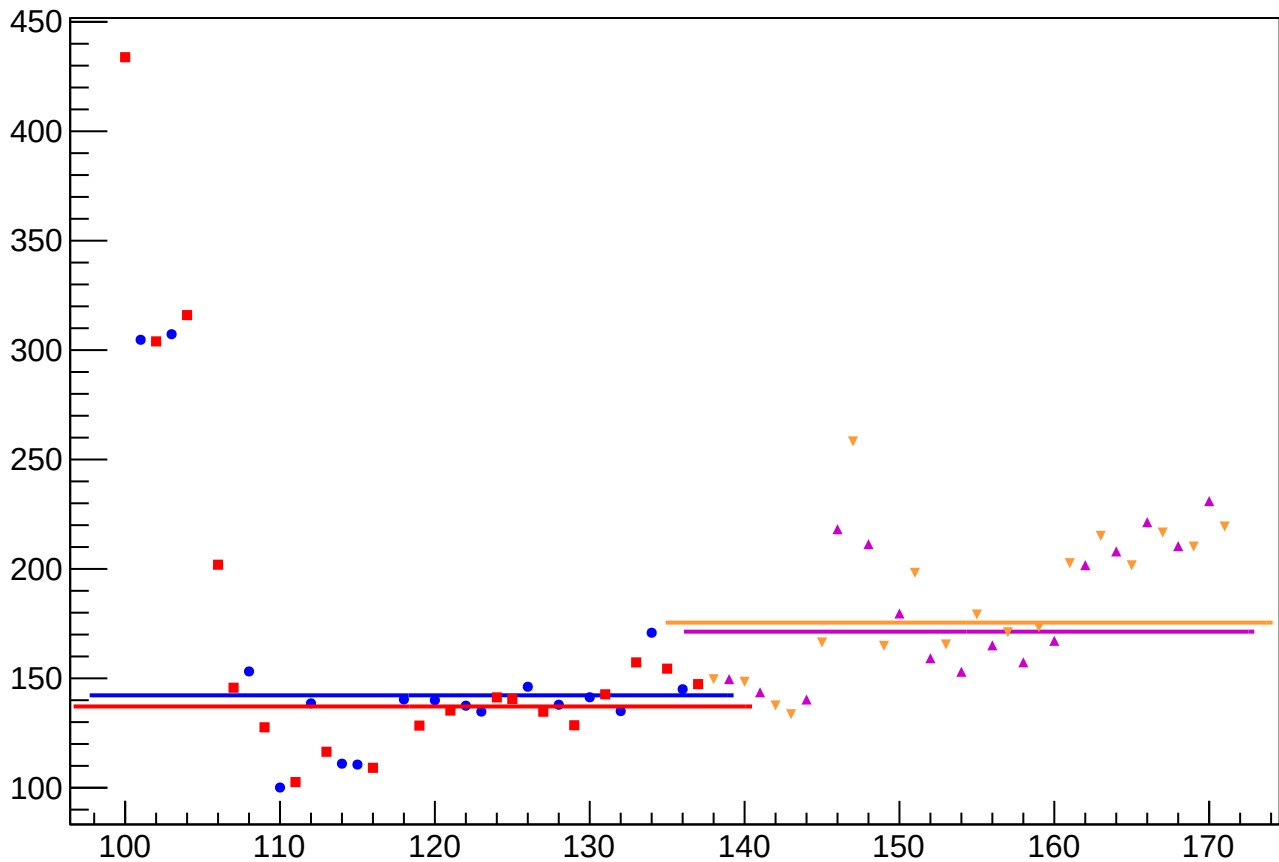
- sign 184.336+/-0.031 χ^2/NDF : 1758192.2/34

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058	χ^2 /NDF: 95177660.2/16	+ sign 126278.131 $\pm$ 0.038	χ^2 /NDF: 7061757736.8
Left Out: 125258.380 $\pm$ 0.049	χ^2 /NDF: 5924189620.0/17	All: 126366.190 $\pm$ 0.026	χ^2 /NDF: 13334615
Right Out: 127724.519 $\pm$ 0.055	χ^2 /NDF: 112550604.4/18	- sign 126450.405 $\pm$ 0.037	χ^2 /NDF: 6262087212.9/15
Left In: 125394.684 $\pm$ 0.050	χ^2 /NDF: 5150936624.0/15		

yield_bpm0l01WS_rms vs Slug



Right In: 142.240+/-0.041 χ^2/NDF : 836415.1/16

Left Out: 175.466+/-0.035 χ^2/NDF : 741134.8/17

Right Out: 137.151+/-0.039 χ^2/NDF : 957730.8/18

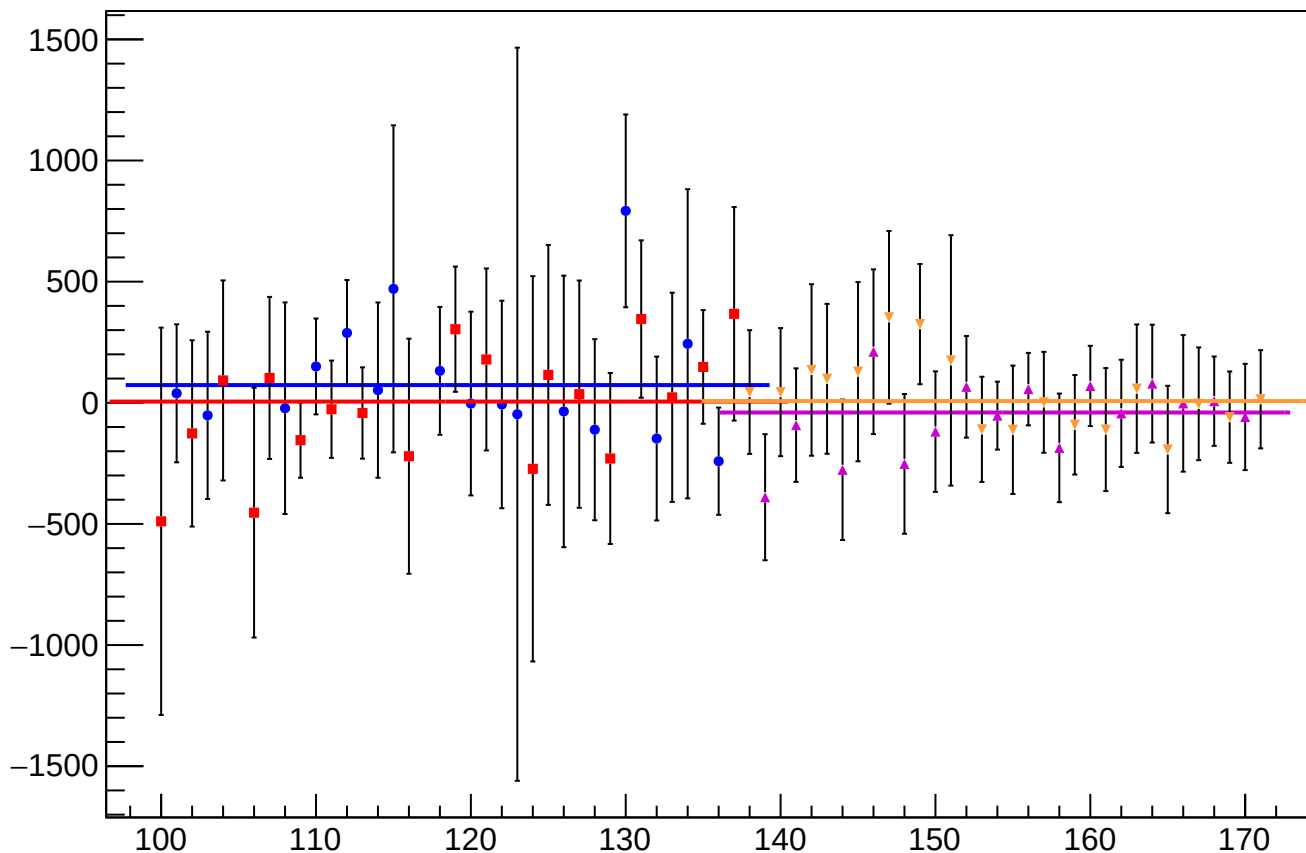
Left In: 171.336+/-0.035 χ^2/NDF : 641655.9/15

+ sign 161.690+/-0.027 χ^2/NDF : 1958022.8/34

All: 158.703+/-0.019 χ^2/NDF : 4012179.0/69

- sign 155.846+/-0.026 χ^2/NDF : 2029365.4/34

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 7.100+/-59.694 χ^2/NDF : 4.7/17

Right Out: 5.021+/-70.098 χ^2/NDF : 7.1/18

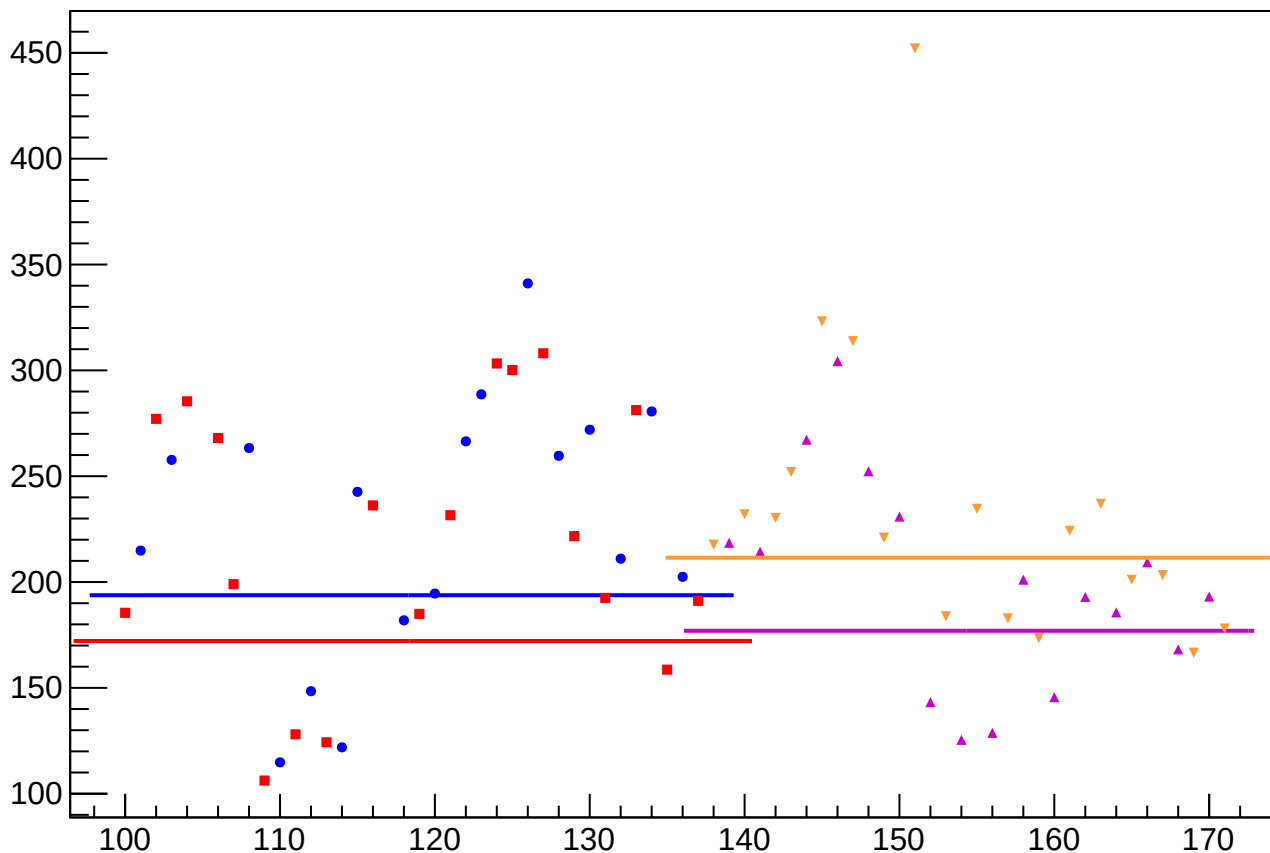
Left In: -40.103+/-52.962 χ^2/NDF : 5.6/15

+ sign 30.859+/-47.758 χ^2/NDF : 13.0/34

All: 0.255+/-31.647 χ^2/NDF : 26.7/69

- sign -23.705+/-42.257 χ^2/NDF : 12.9/34

asym_bcm_an_ds_rms vs Slug



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 211.493 $\pm$ 0.042 χ^2 /NDF: 1187136.1/17

Right Out: 172.142 $\pm$ 0.050 χ^2 /NDF: 1580035.1/18

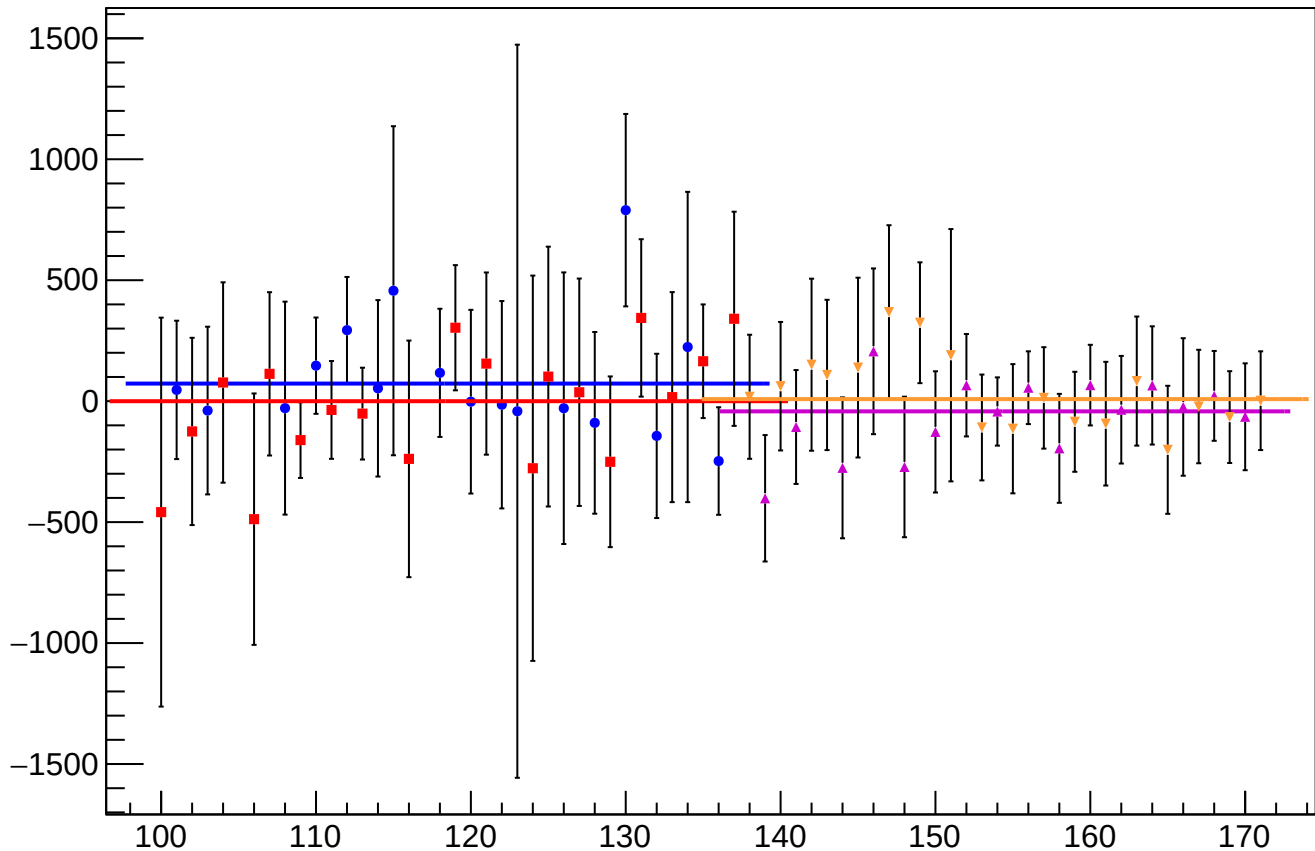
Left In: 176.979 $\pm$ 0.037 χ^2 /NDF: 1486593.9/15

+ sign 205.115 $\pm$ 0.034 χ^2 /NDF: 2267657.4/34

All: 188.348 $\pm$ 0.022 χ^2 /NDF: 5779872.7/69

- sign 175.221 $\pm$ 0.030 χ^2 /NDF: 3072691.7/34

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675 $\pm$ 79.992 χ^2 /NDF: 7.8/16

Left Out: 8.481 $\pm$ 60.085 χ^2 /NDF: 4.9/17

Right Out: -0.181 $\pm$ 70.467 χ^2 /NDF: 7.3/18

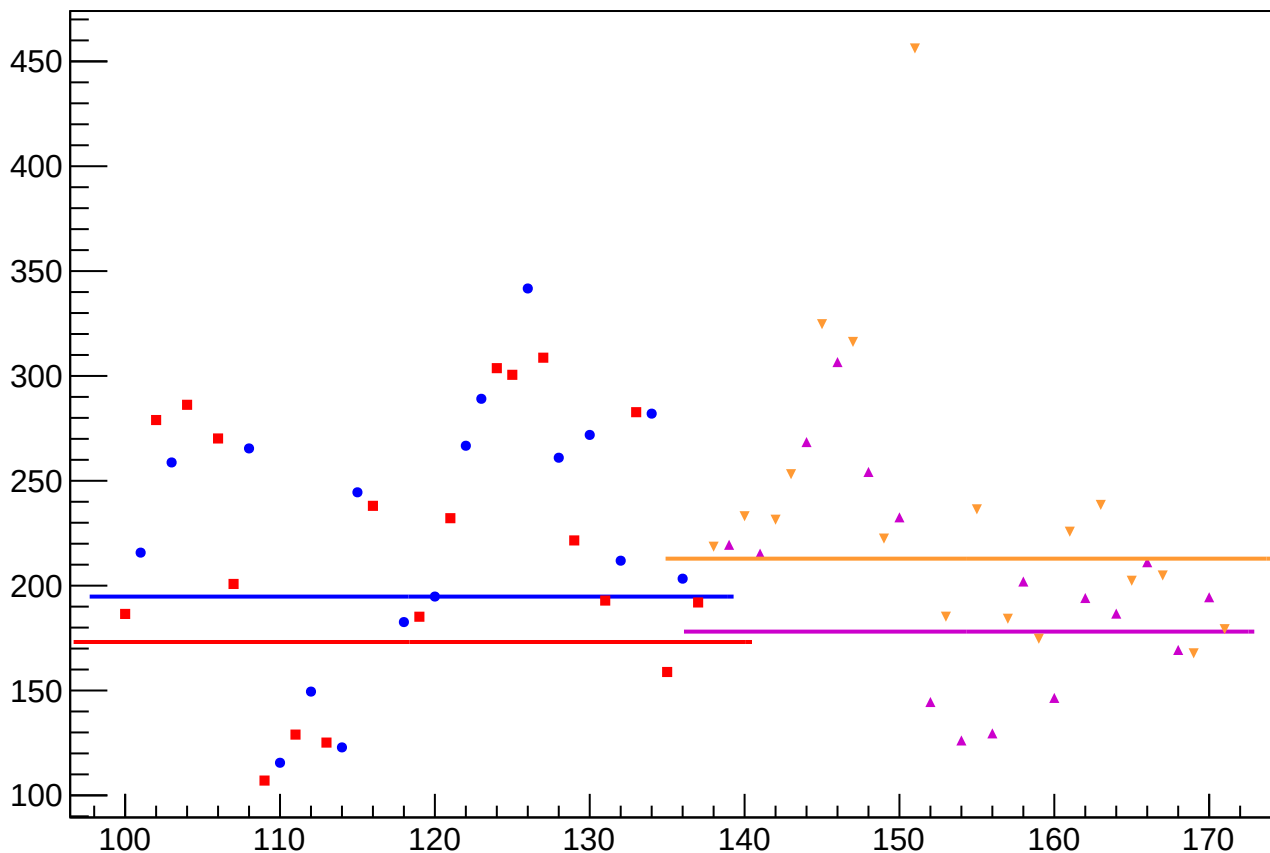
Left In: -42.133 $\pm$ 53.293 χ^2 /NDF: 5.8/15

+ sign 31.636 $\pm$ 48.041 χ^2 /NDF: 13.1/34

All: -1.180 $\pm$ 31.834 χ^2 /NDF: 27.2/69

- sign -26.868 $\pm$ 42.506 χ^2 /NDF: 13.3/34

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 212.876 $\pm$ 0.042 χ^2 /NDF:1186069.6/17

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

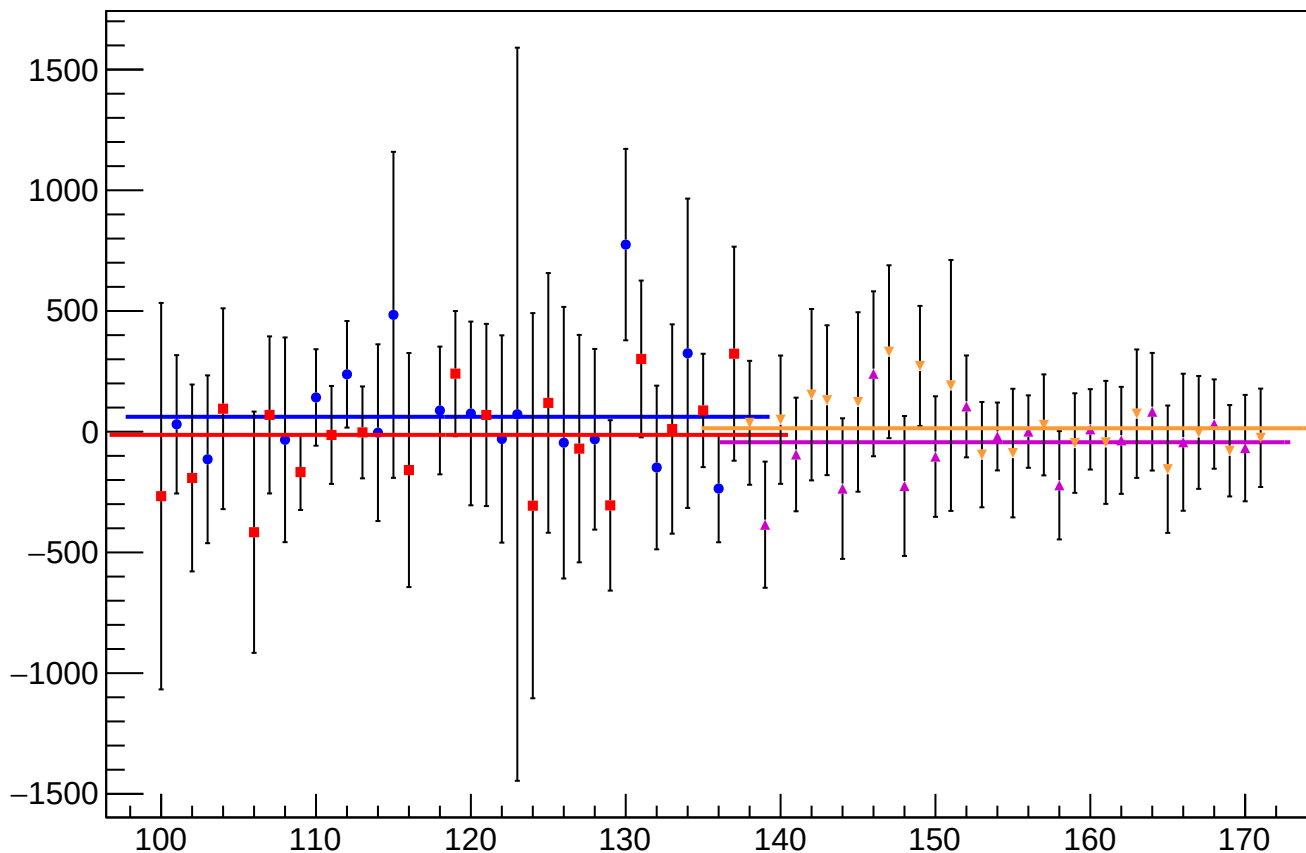
Left In: 178.084 $\pm$ 0.038 χ^2 /NDF:1485285.3/15

+ sign 206.349 $\pm$ 0.034 χ^2 /NDF: 2259779.5/34

All: 189.484 $\pm$ 0.023 χ^2 /NDF: 5758326.4/69

- sign 176.282 $\pm$ 0.030 χ^2 /NDF: 3059126.7/34

asym_bcm_an_us_mean vs Slug



Right In: 61.814 ± 79.986 χ^2/NDF : 7.3/16

Left Out: 14.400 ± 59.949 χ^2/NDF : 3.7/17

Right Out: -13.101 ± 70.391 χ^2/NDF : 5.8/18

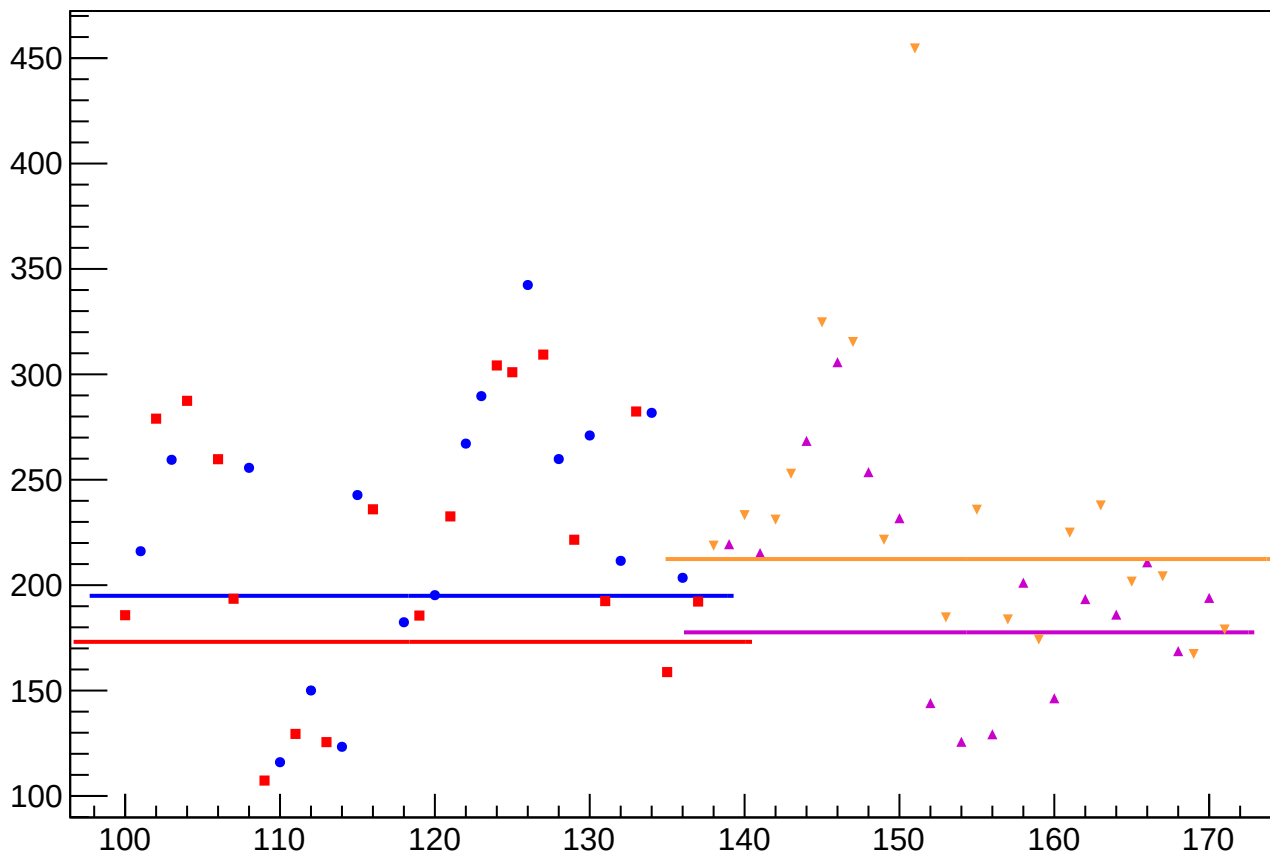
Left In: -43.559 ± 53.156 χ^2/NDF : 5.1/15

+ sign 31.454 ± 47.971 χ^2/NDF : 11.2/34

All: -4.434 ± 31.777 χ^2/NDF : 23.2/69

- sign -32.498 ± 42.420 χ^2/NDF : 11.0/34

asym_bcm_an_us_rms vs Slug



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 212.388 $\pm$ 0.042 χ^2 /NDF:1187641.9/17

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

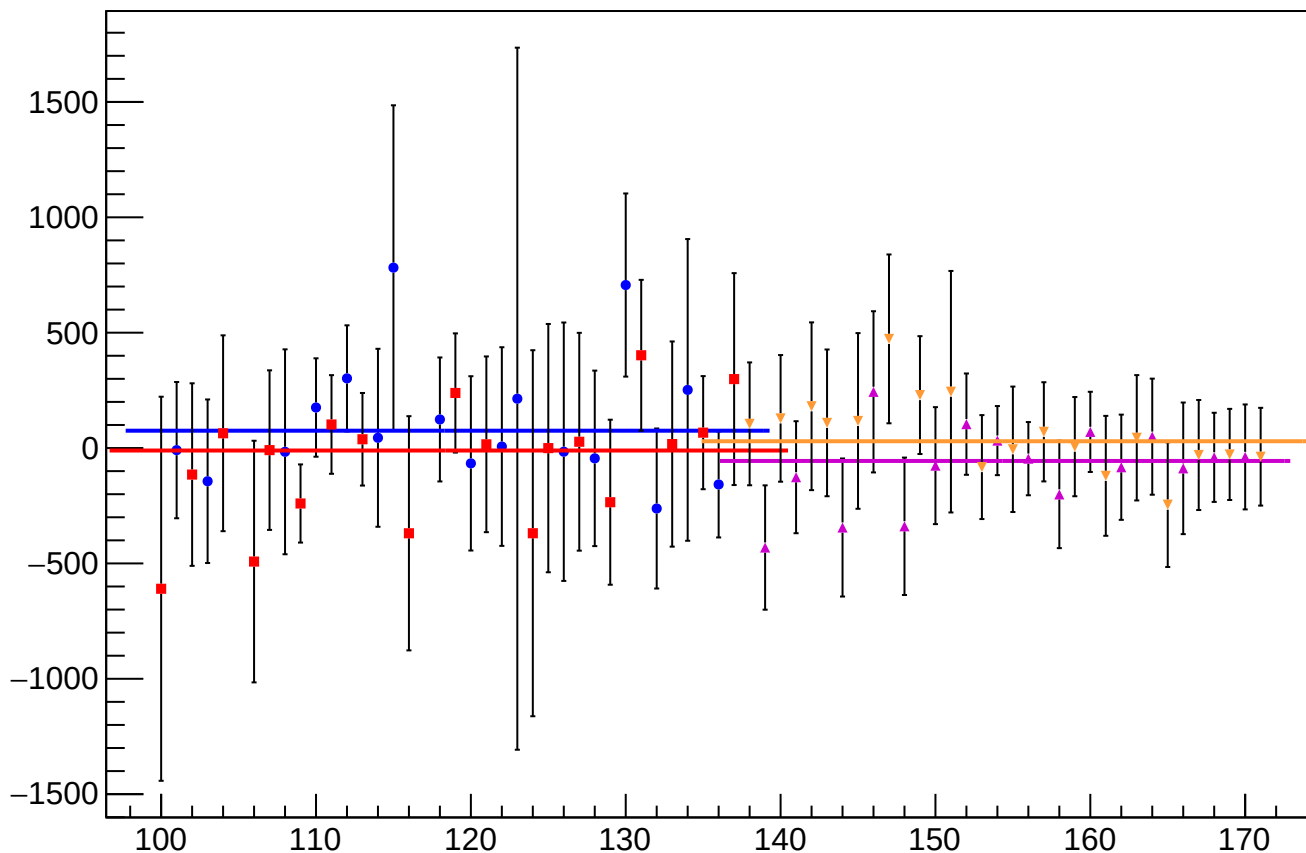
Left In: 177.615 $\pm$ 0.038 χ^2 /NDF:1489103.6/15

+ sign 206.112 $\pm$ 0.034 χ^2 /NDF: 2235217.9/34

All: 189.202 $\pm$ 0.022 χ^2 /NDF: 5717140.9/69

- sign 175.978 $\pm$ 0.030 χ^2 /NDF: 3039046.1/34

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 29.510 $\pm$ 61.744 χ^2 /NDF: 4.7/17

Right Out: -10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

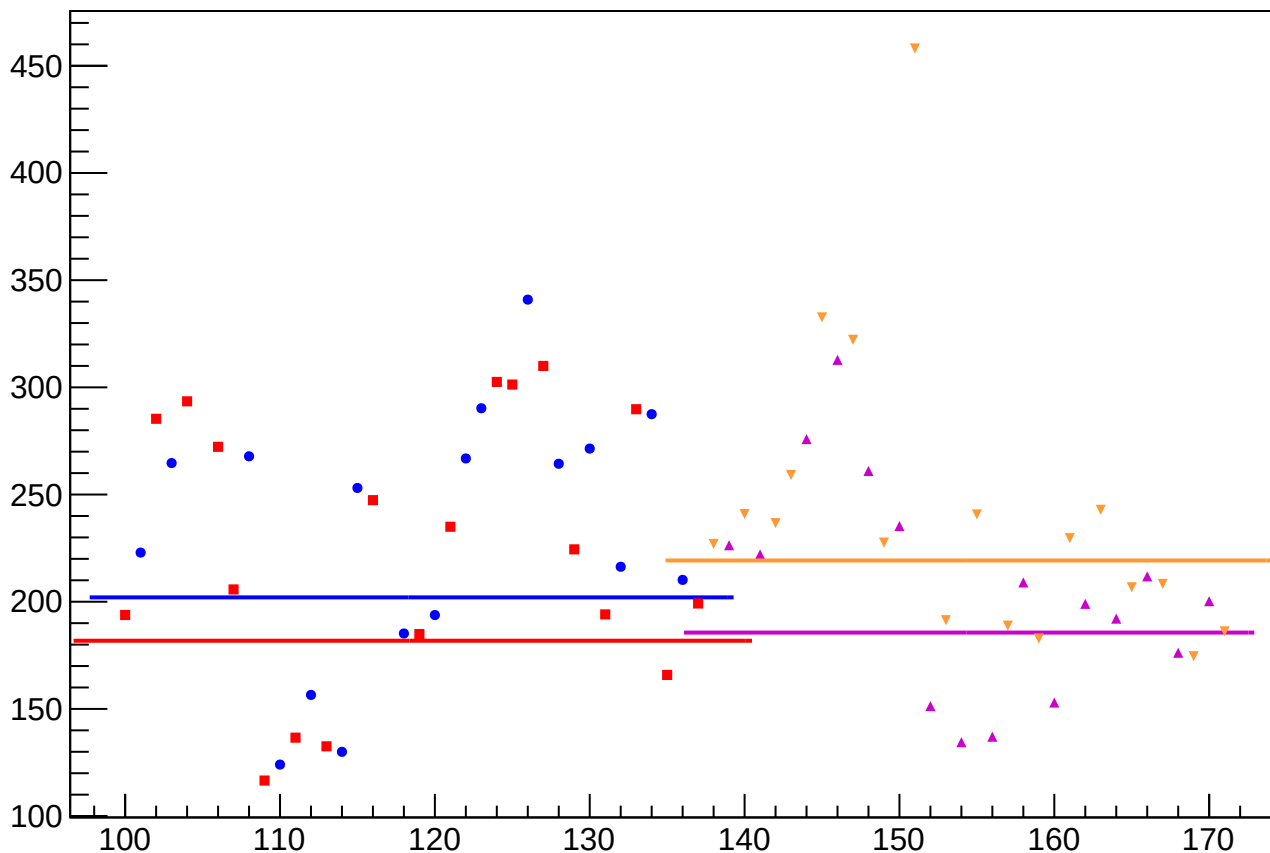
Left In: -55.910 $\pm$ 55.297 χ^2 /NDF: 6.6/15

+ sign 45.915 $\pm$ 49.434 χ^2 /NDF: 12.5/34

All: -1.605 $\pm$ 32.930 χ^2 /NDF: 28.8/69

- sign -39.514 $\pm$ 44.152 χ^2 /NDF: 14.7/34

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 219.241 $\pm$ 0.044 χ^2 /NDF:1123047.4/17

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

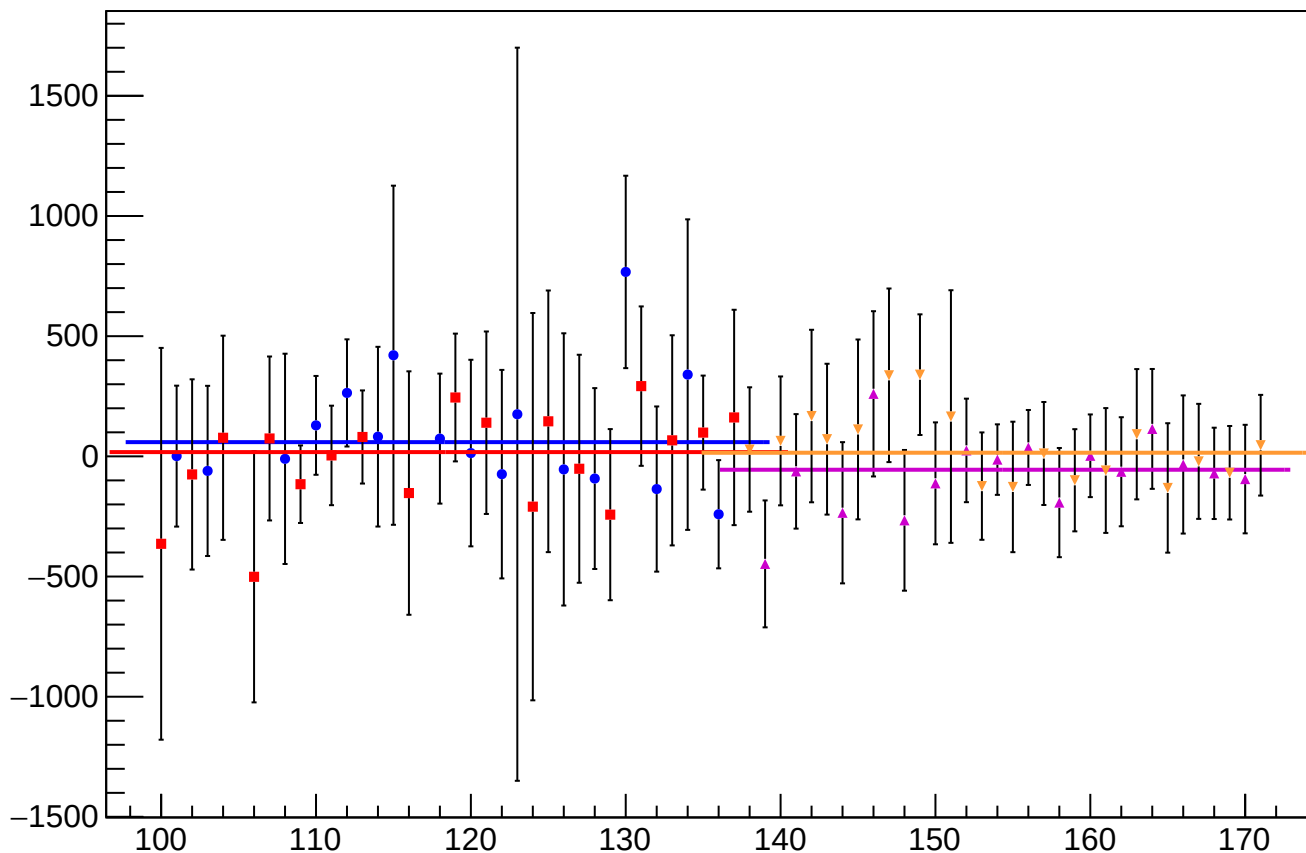
Left In: 185.611 $\pm$ 0.039 χ^2 /NDF:1341477.3/15

+ sign 213.062 $\pm$ 0.035 χ^2 /NDF: 2060452.4/34

All: 197.026 $\pm$ 0.023 χ^2 /NDF: 5161240.9/69

- sign 184.234 $\pm$ 0.031 χ^2 /NDF: 2722437.1/34

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 ± 81.417 χ^2/NDF : 7.1/16

Left Out: 15.094 ± 61.138 χ^2/NDF : 4.5/17

Right Out: 17.727 ± 71.900 χ^2/NDF : 4.7/18

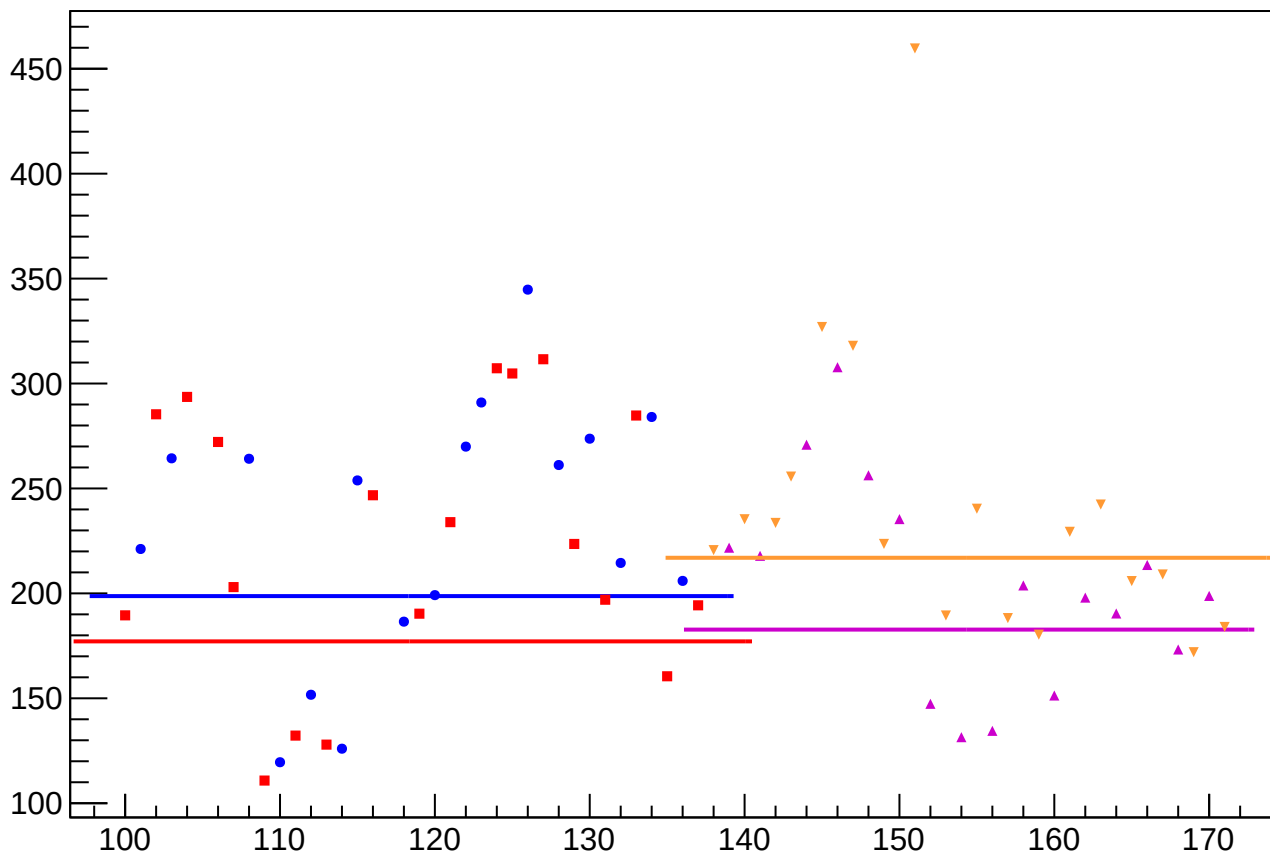
Left In: -55.683 ± 54.515 χ^2/NDF : 5.5/15

+ sign 30.988 ± 48.889 χ^2/NDF : 11.8/34

All: -2.470 ± 32.473 χ^2/NDF : 23.5/69

- sign -28.886 ± 43.440 χ^2/NDF : 10.9/34

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 216.965 $\pm$ 0.043 χ^2 /NDF: 1126480.6/17

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

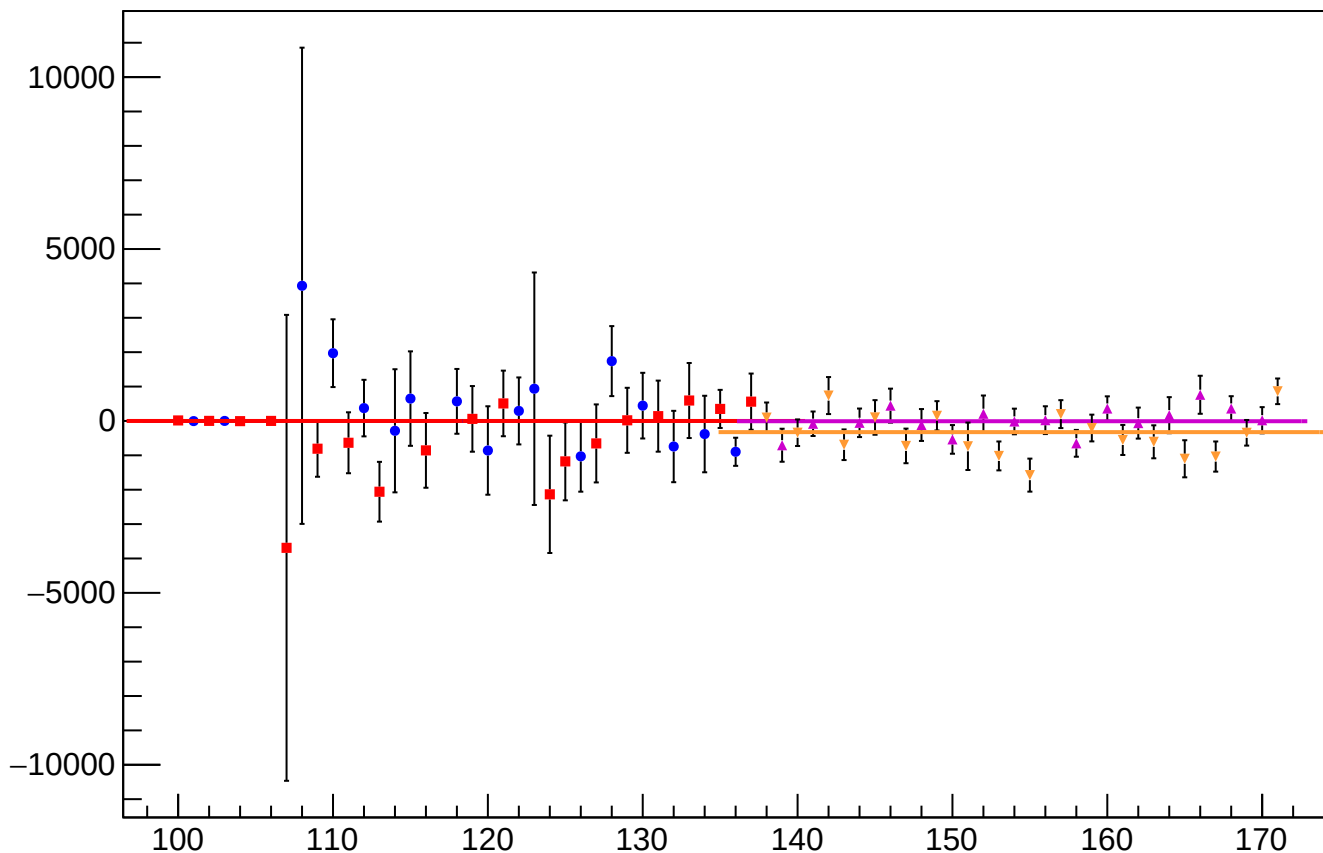
Left In: 182.738 $\pm$ 0.039 χ^2 /NDF: 1366409.8/15

+ sign 210.381 $\pm$ 0.035 χ^2 /NDF: 2154215.5/34

All: 193.789 $\pm$ 0.023 χ^2 /NDF: 5465490.5/69

- sign 180.689 $\pm$ 0.031 χ^2 /NDF: 2899040.3/34

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -325.187 ± 104.729 χ^2/NDF : 35.2/17

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.4/18

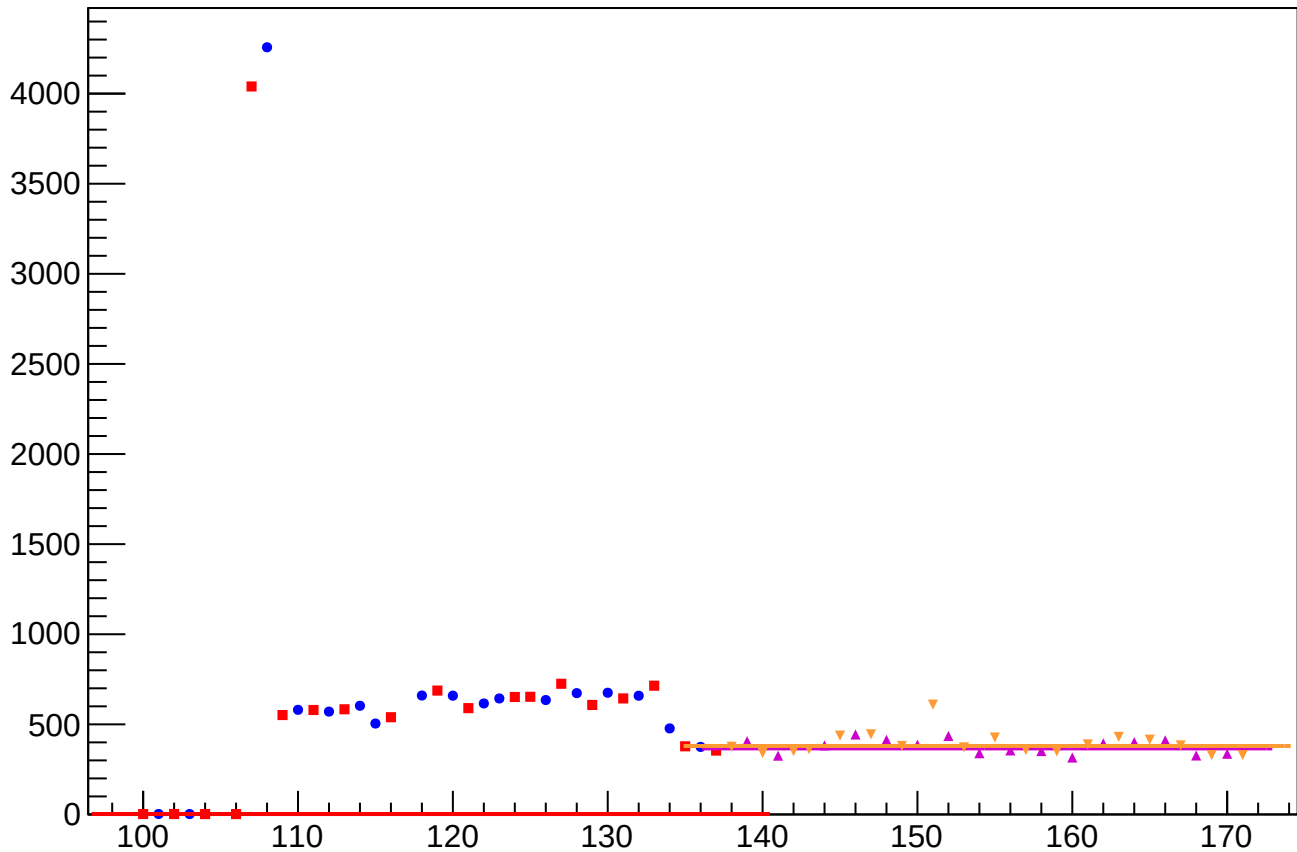
Left In: -8.104 ± 105.189 χ^2/NDF : 11.8/15

+ sign -1.678 ± 2.251 χ^2/NDF : 61.4/34

All: -1.176 ± 1.540 χ^2/NDF : 91.6/69

- sign -0.734 ± 2.111 χ^2/NDF : 30.2/34

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 380.006+/-0.074 χ^2/NDF : 451726.5/17

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

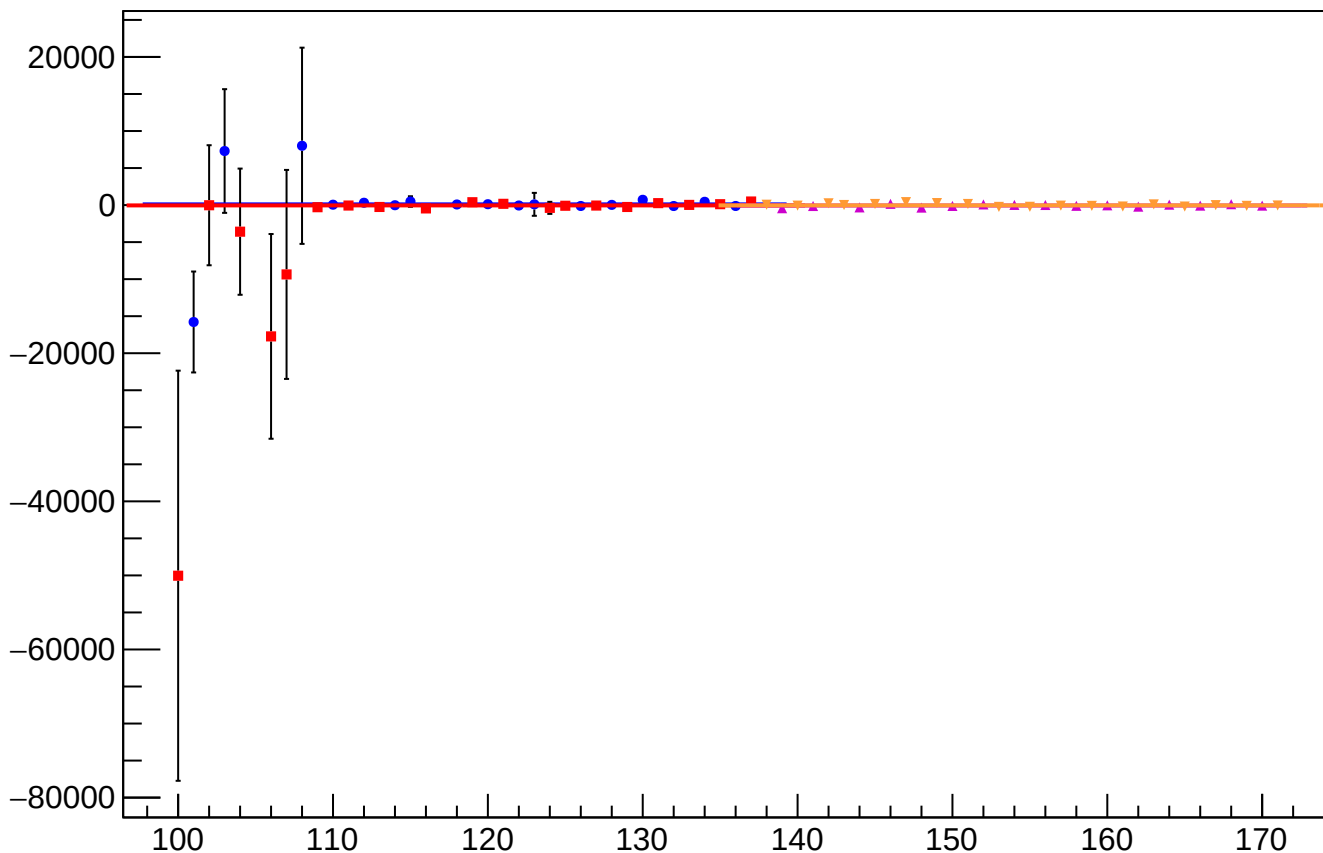
Left In: 366.527+/-0.074 χ^2/NDF : 272690.4/15

+ sign 2.631+/-0.002 χ^2/NDF : 37138373.7/34

All: 2.605+/-0.001 χ^2/NDF : 72503057.8/69

- sign 2.583+/-0.001 χ^2/NDF : 35364214.7/34

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -37.617+/-63.606 χ^2/NDF : 5.9/17

Right Out: -42.617+/-84.547 χ^2/NDF : 14.0/18

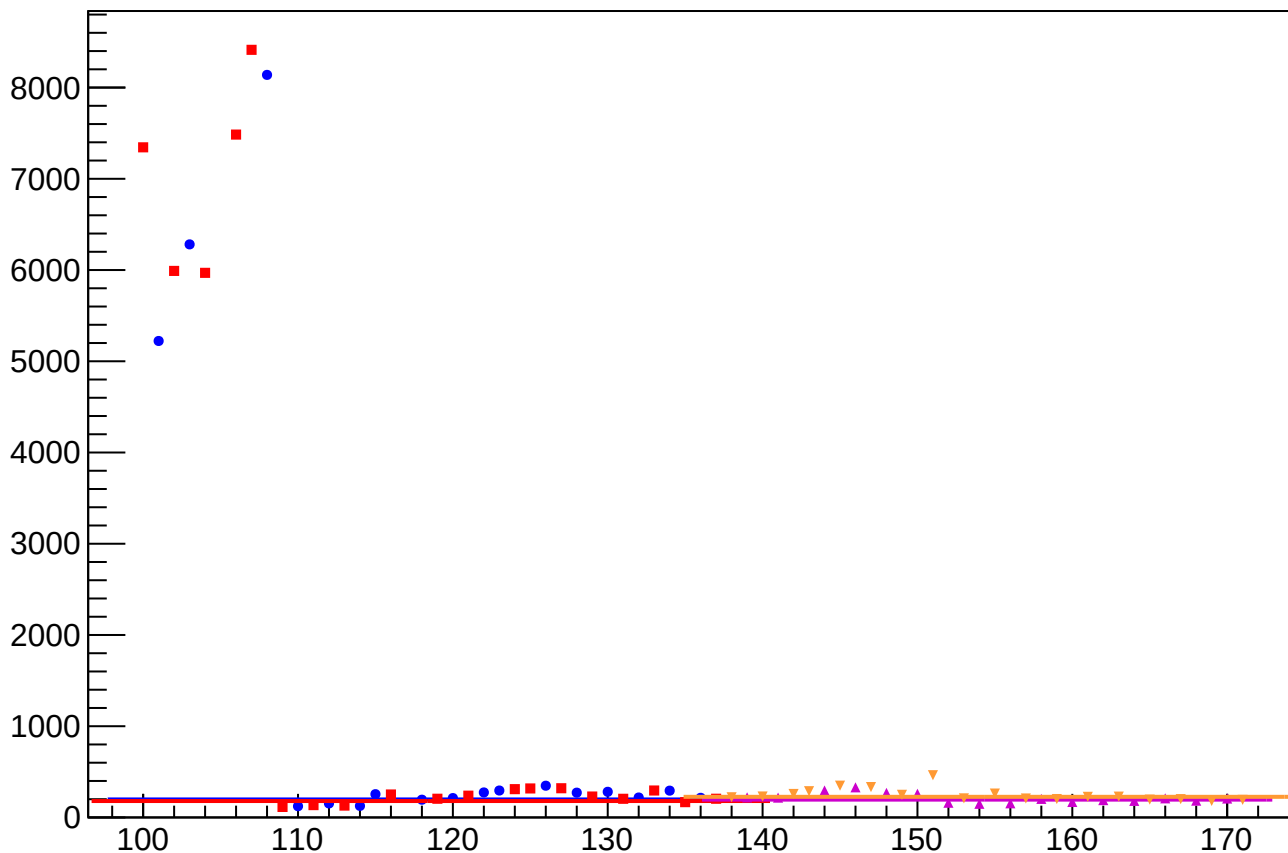
Left In: -58.443+/-57.845 χ^2/NDF : 6.2/15

+ sign 5.572+/-52.265 χ^2/NDF : 19.4/34

All: -26.575+/-35.249 χ^2/NDF : 40.3/69

- sign -53.397+/-47.741 χ^2/NDF : 20.2/34

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 226.171+/-0.045 χ^2/NDF : 1107568.9/17

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

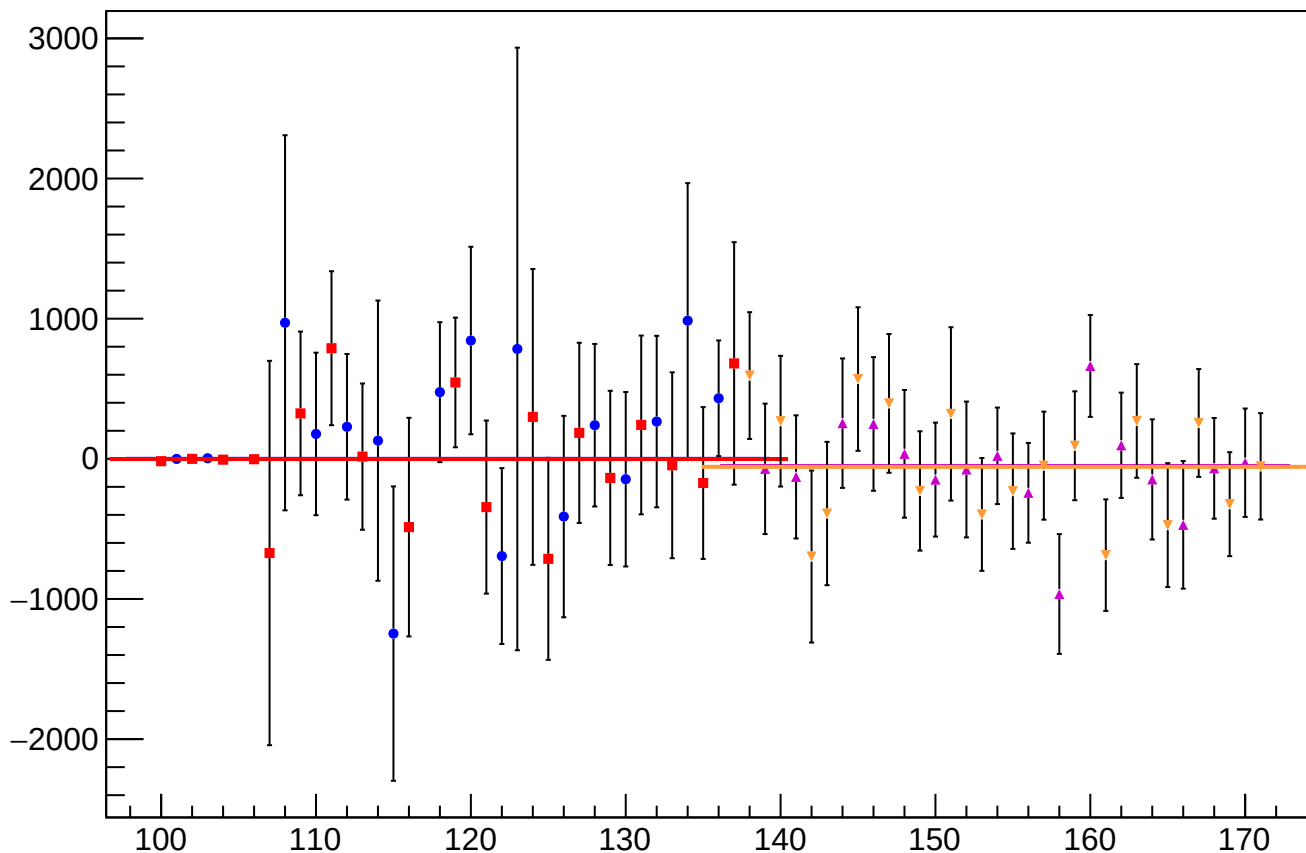
Left In: 195.466+/-0.041 χ^2/NDF : 1076697.0/15

+ sign 216.834+/-0.037 χ^2/NDF : 4936129.2/34

All: 202.494+/-0.025 χ^2/NDF : 10656090.2/69

- sign 190.529+/-0.034 χ^2/NDF : 5443788.6/34

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -57.161 ± 102.119 χ^2/NDF : 13.2/17

Right Out: -1.324 ± 1.623 χ^2/NDF : 9.5/18

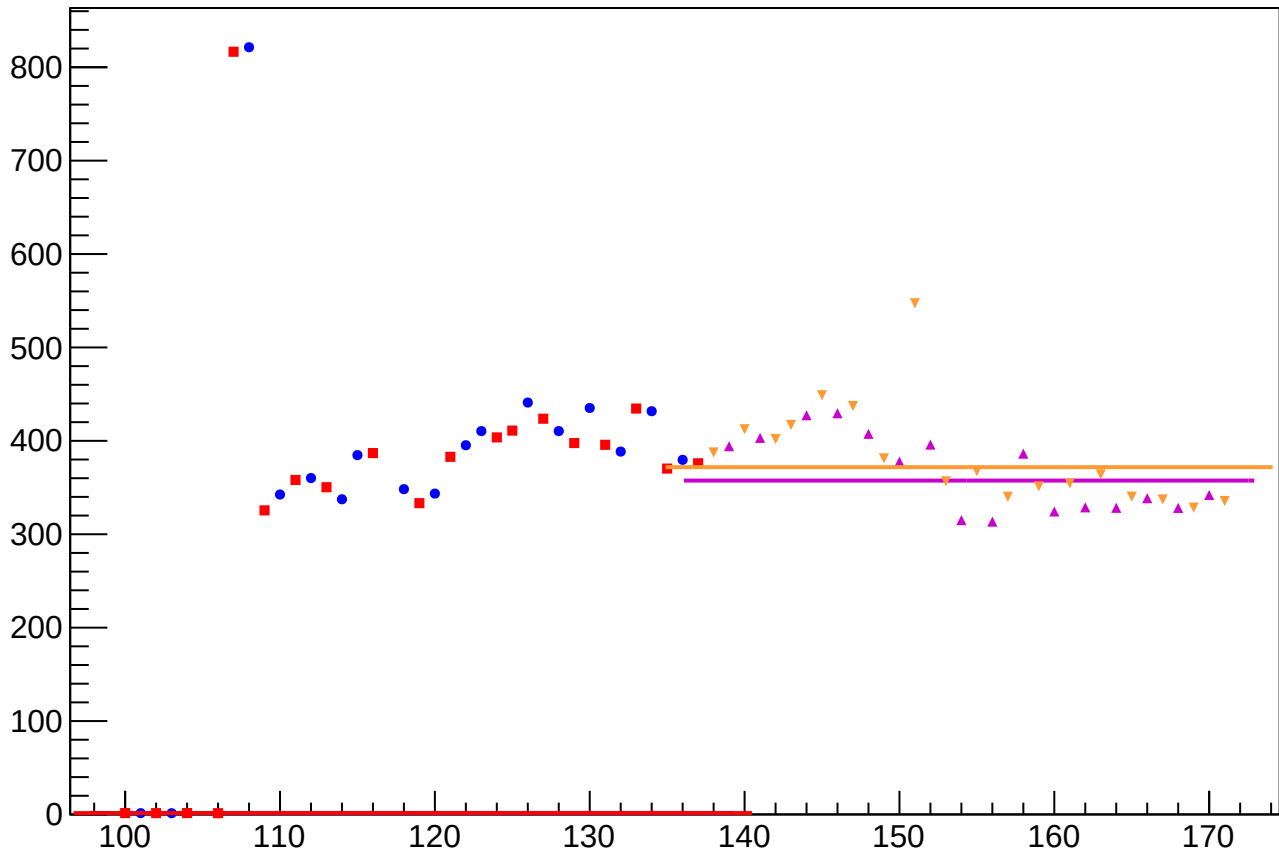
Left In: -51.048 ± 102.500 χ^2/NDF : 10.8/15

+ sign -0.155 ± 1.736 χ^2/NDF : 23.3/34

All: -0.786 ± 1.185 χ^2/NDF : 44.1/69

- sign -1.336 ± 1.622 χ^2/NDF : 20.5/34

asym_cav4dQ_rms vs Slug



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10815892.9/16

Left Out: 371.835 $\pm$ 0.072 χ^2 /NDF: 378661.0/17

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10873552.2/18

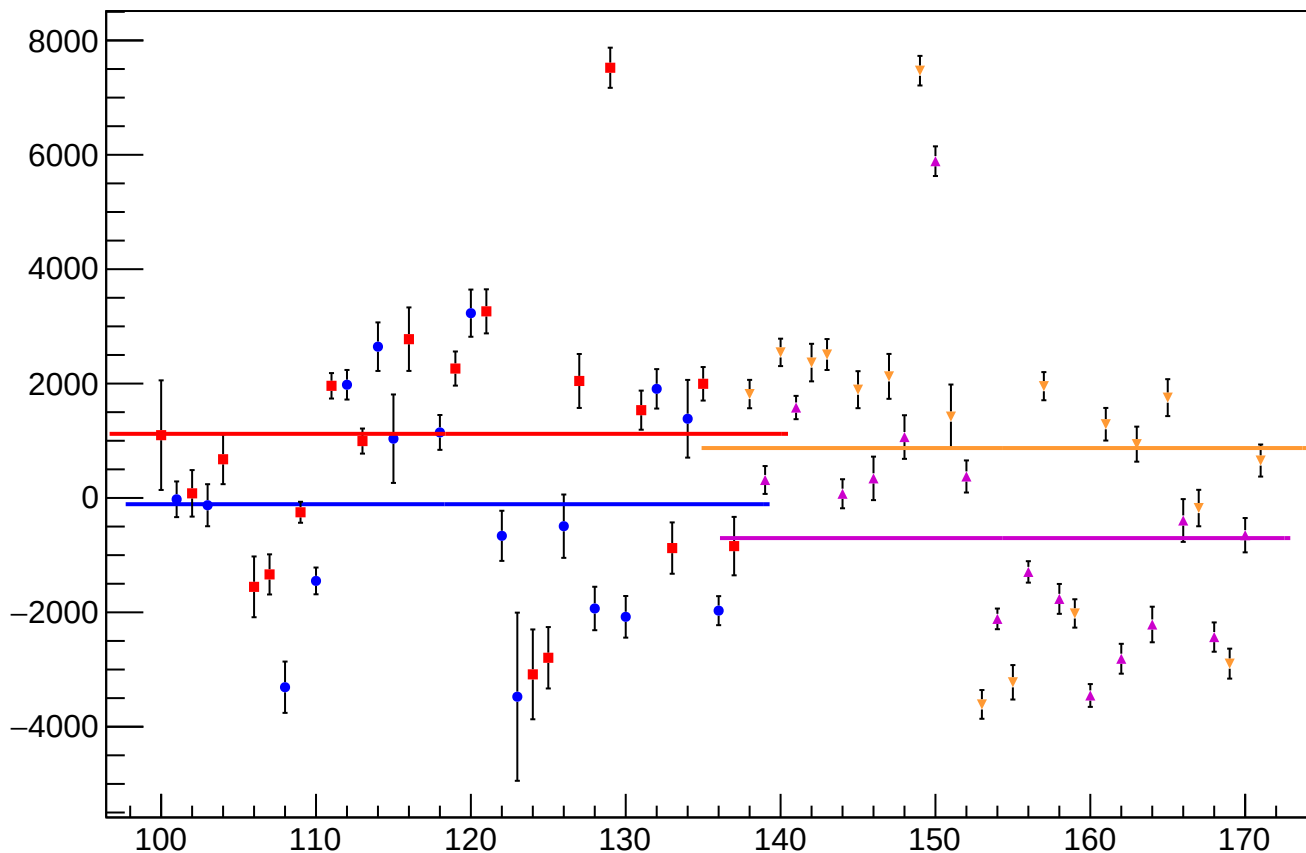
Left In: 357.478 $\pm$ 0.072 χ^2 /NDF: 294770.2/15

+ sign 1.559 $\pm$ 0.001 χ^2 /NDF: 37496617.3/34

All: 1.549 $\pm$ 0.001 χ^2 /NDF: 72788497.8/69

- sign 1.540 $\pm$ 0.001 χ^2 /NDF: 35291751.8/34

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 872.656 ± 67.412 $\chi^2/\text{NDF}: 1677.8/17$

Right Out: 1121.203 ± 78.396 $\chi^2/\text{NDF}: 670.1/18$

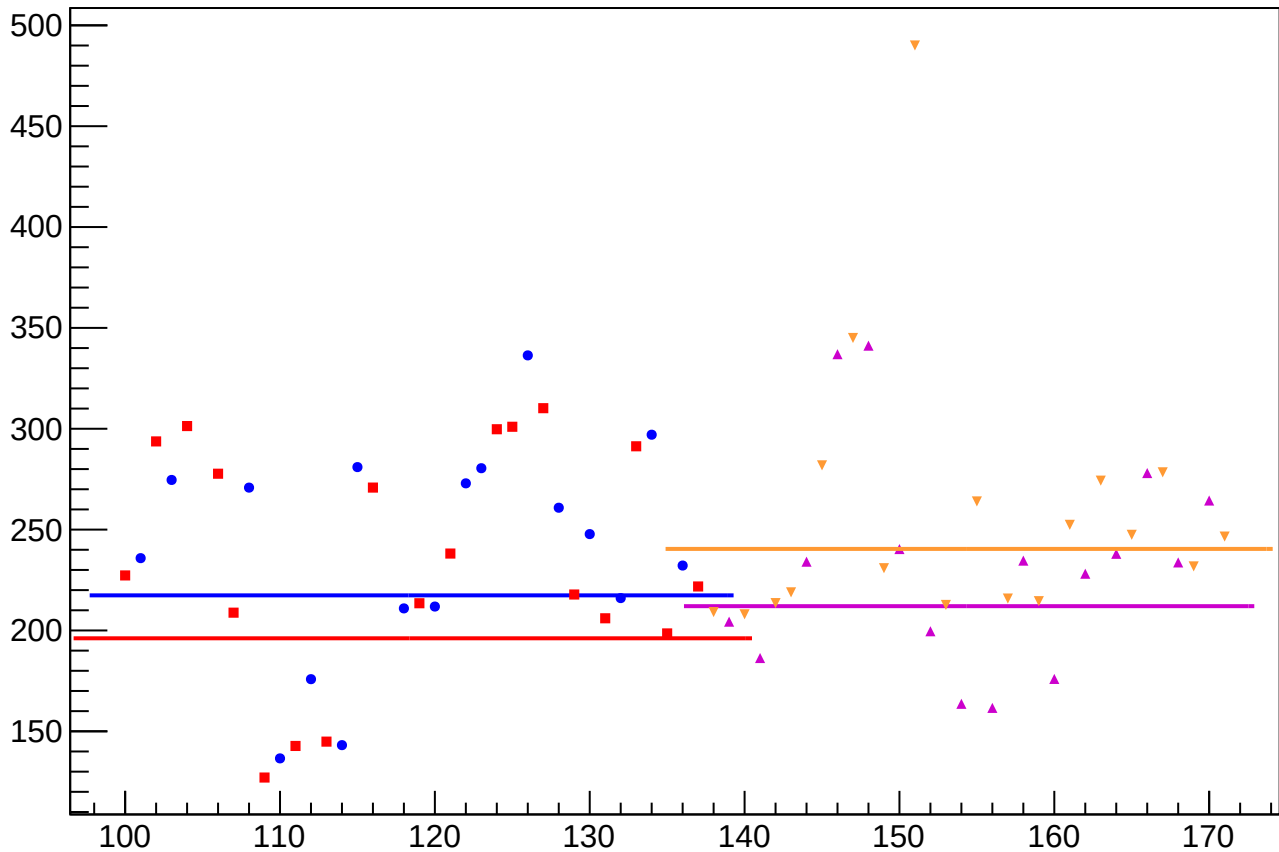
Left In: -701.724 ± 62.602 $\chi^2/\text{NDF}: 1254.5/15$

+ sign 509.347 ± 53.506 $\chi^2/\text{NDF}: 2184.7/34$

All: 236.310 ± 36.104 $\chi^2/\text{NDF}: 4487.2/69$

- sign 8.078 ± 48.919 $\chi^2/\text{NDF}: 2254.8/34$

asym_bcm0l02_rms vs Slug



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 240.431+/-0.048 χ^2/NDF : 806791.2/17

Right Out: 196.112+/-0.055 χ^2/NDF : 1190862.3/18

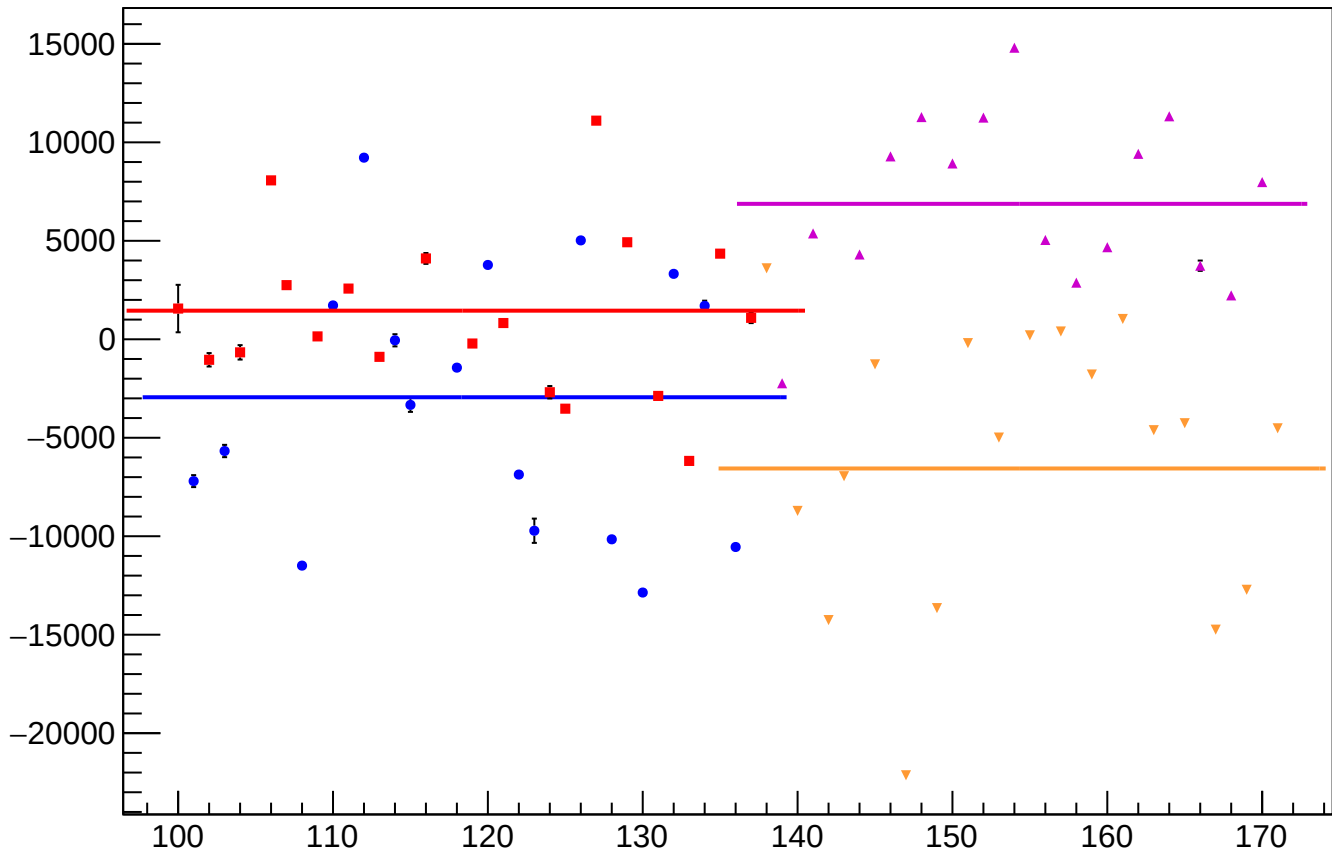
Left In: 212.044+/-0.044 χ^2/NDF : 1049569.0/15

+ sign 231.910+/-0.038 χ^2/NDF : 1545779.8/34

All: 217.710+/-0.026 χ^2/NDF : 4095260.2/69

- sign 205.840+/-0.035 χ^2/NDF : 2290868.3/34

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 χ^2/NDF : 20909.8/16

Left Out: -6560.071 ± 38.265 χ^2/NDF : 36467.5/17

Right Out: 1453.116 ± 46.404 χ^2/NDF : 7996.0/18

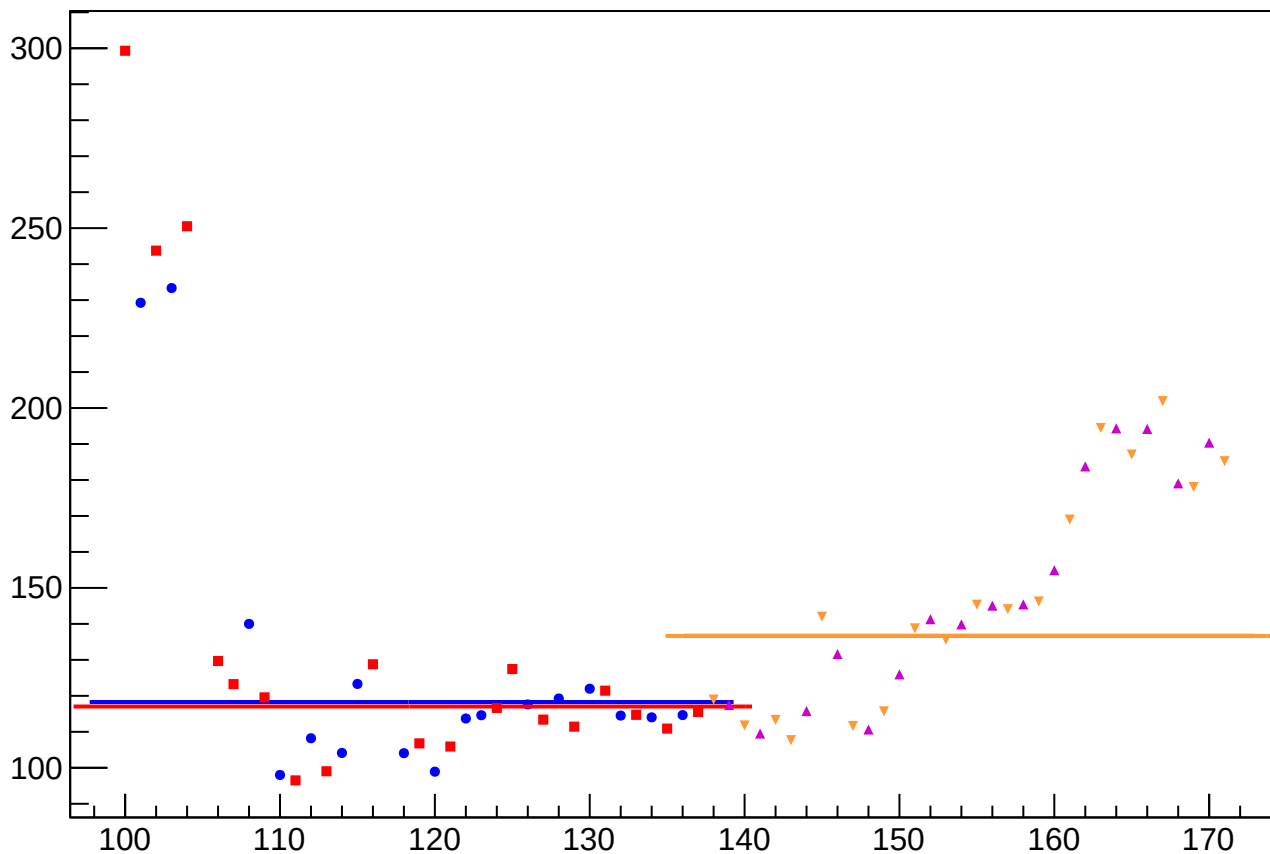
Left In: 6877.047 ± 39.679 χ^2/NDF : 11944.8/15

+ sign -5176.367 ± 30.067 χ^2/NDF : 60795.5/34

All: -309.678 ± 21.293 χ^2/NDF : 141182.1/69

- sign 4586.183 ± 30.157 χ^2/NDF : 27832.7/34

asym_bpm2i01WS_rms vs Slug



Right In: 118.286 $\pm$ 0.034 χ^2 /NDF: 636918.0/16

Left Out: 136.644 $\pm$ 0.027 χ^2 /NDF: 1016162.1/17

Right Out: 117.031 $\pm$ 0.033 χ^2 /NDF: 690861.5/18

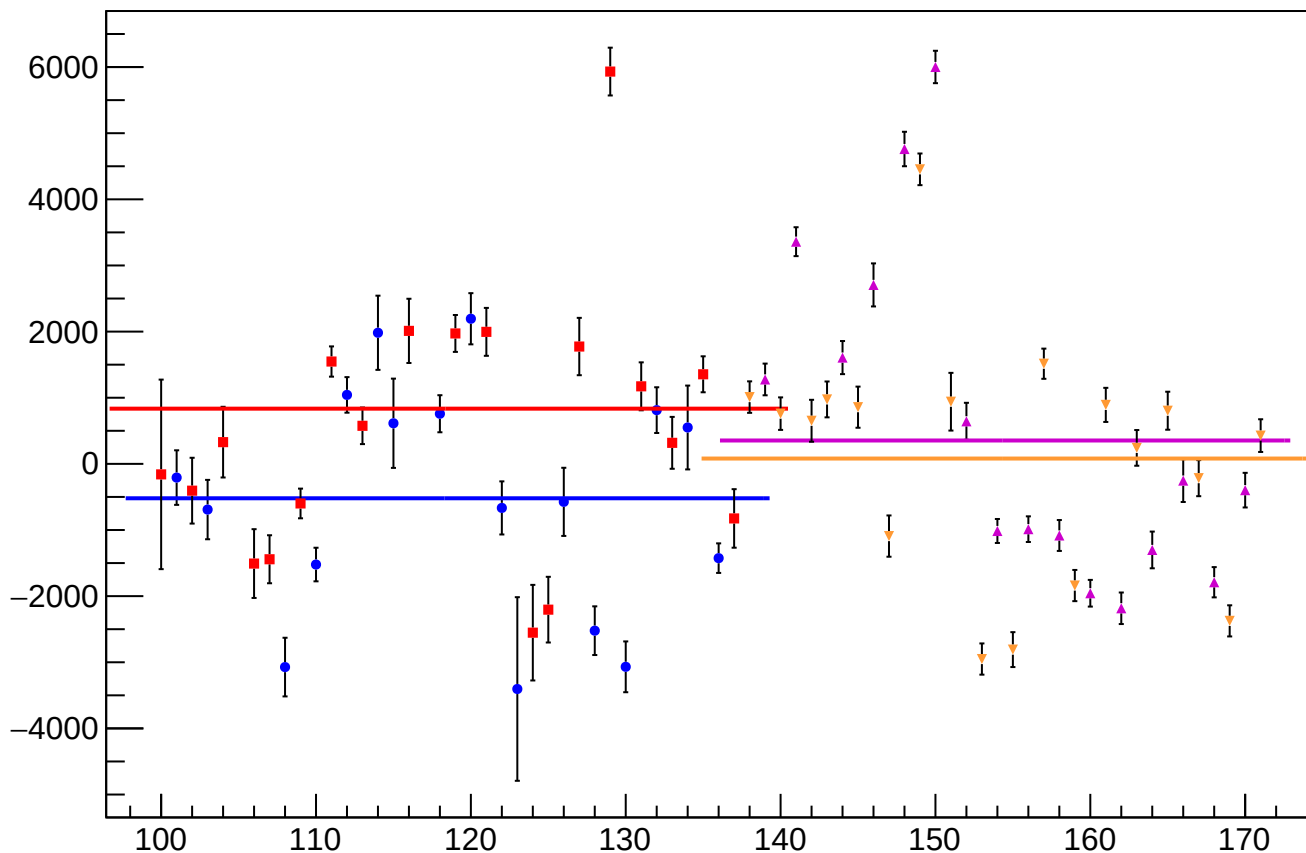
Left In: 136.680 $\pm$ 0.028 χ^2 /NDF: 845408.3/15

+ sign 129.621 $\pm$ 0.021 χ^2 /NDF: 1829202.4/34

All: 129.003 $\pm$ 0.015 χ^2 /NDF: 3574295.9/69

- sign 128.381 $\pm$ 0.021 χ^2 /NDF: 1743398.4/34

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 80.520 ± 62.102 χ^2/NDF : 914.3/17

Right Out: 834.834 ± 82.273 χ^2/NDF : 434.7/18

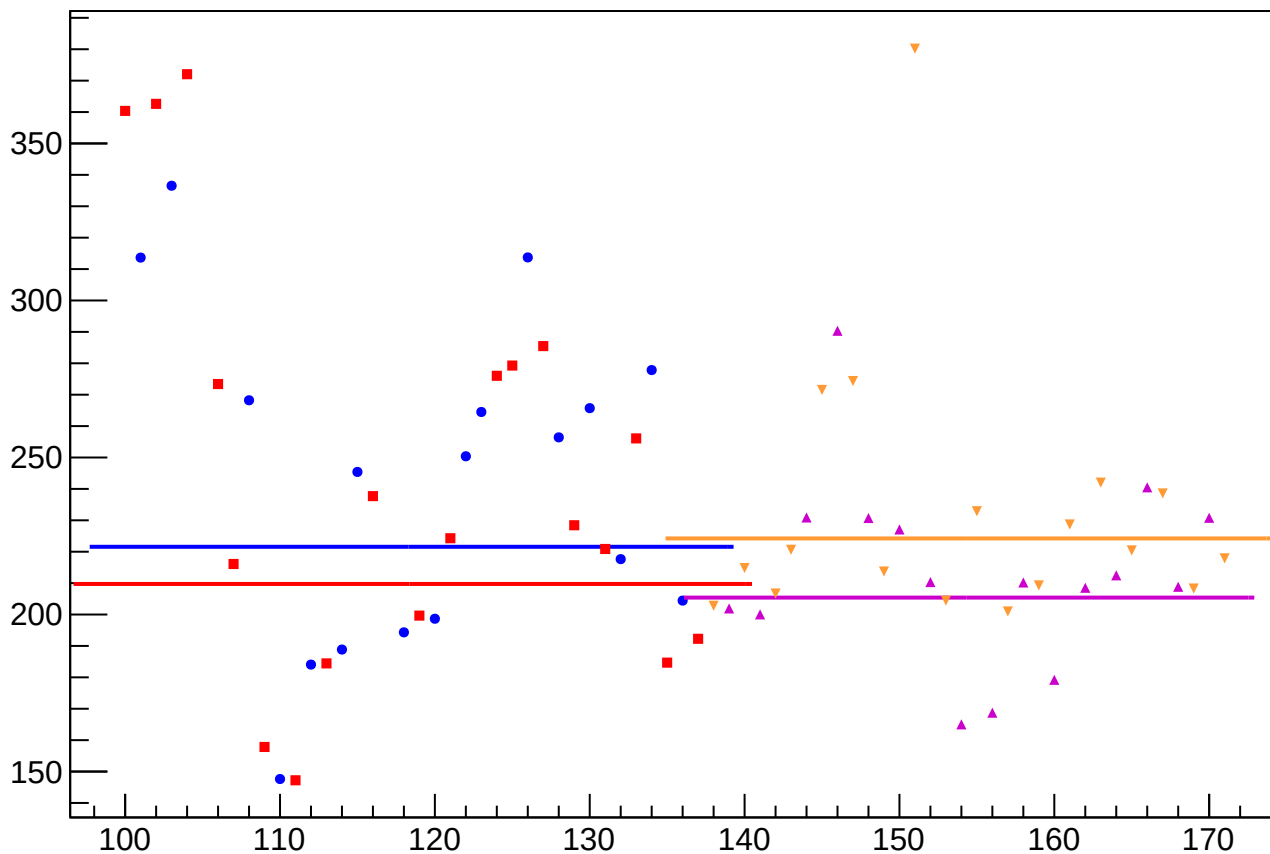
Left In: 353.490 ± 59.592 χ^2/NDF : 1622.0/15

+ sign -115.497 ± 50.974 χ^2/NDF : 1232.9/34

All: 219.145 ± 35.046 χ^2/NDF : 3393.8/69

- sign 519.122 ± 48.262 χ^2/NDF : 2079.2/34

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 224.232 $\pm$ 0.044 χ^2 /NDF: 453561.1/17

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

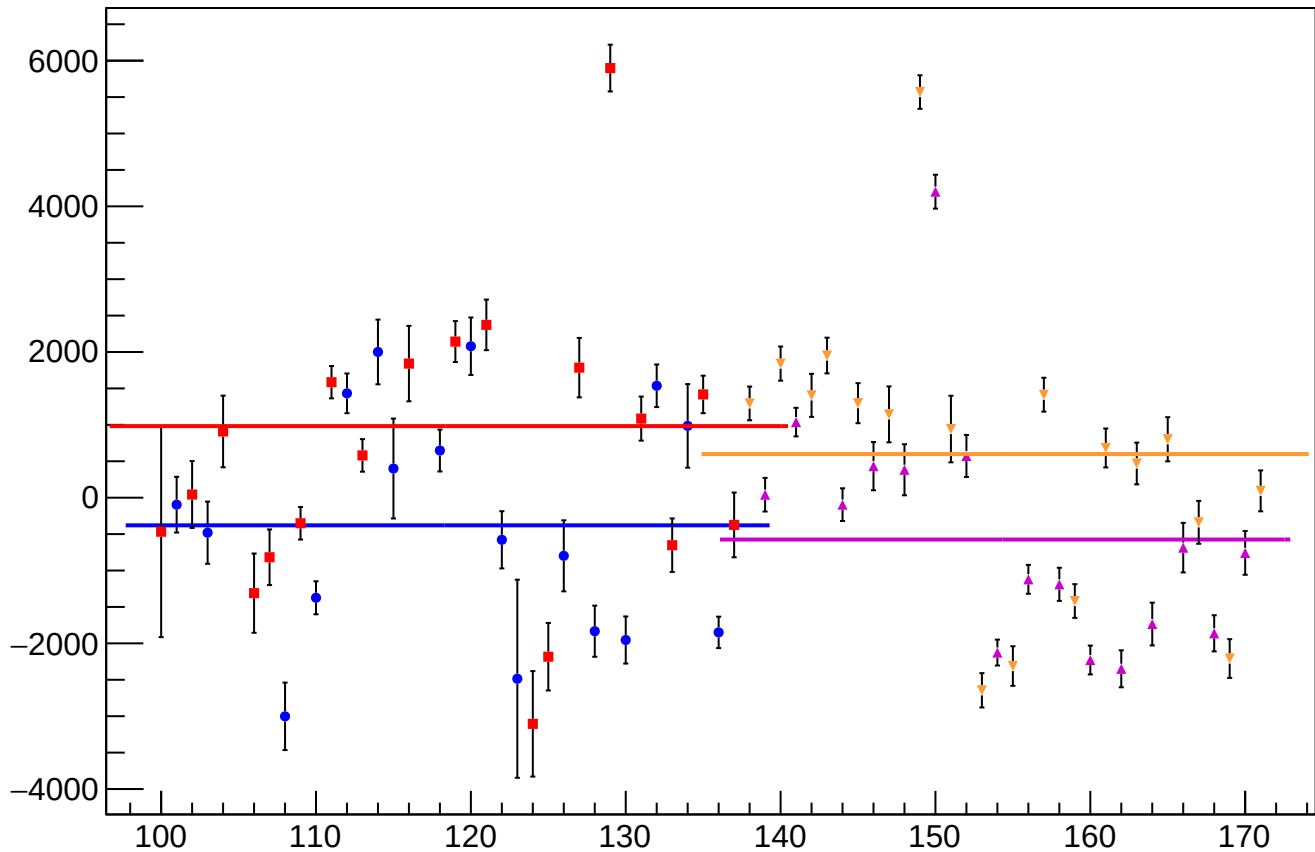
Left In: 205.390 $\pm$ 0.042 χ^2 /NDF: 443422.0/15

+ sign 223.363 $\pm$ 0.036 χ^2 /NDF: 1099701.4/34

All: 214.674 $\pm$ 0.025 χ^2 /NDF: 2540912.9/69

- sign 206.885 $\pm$ 0.034 χ^2 /NDF: 1331005.1/34

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 599.109 ± 62.897 χ^2/NDF : 1067.8/17

Right Out: 982.539 ± 77.724 χ^2/NDF : 476.3/18

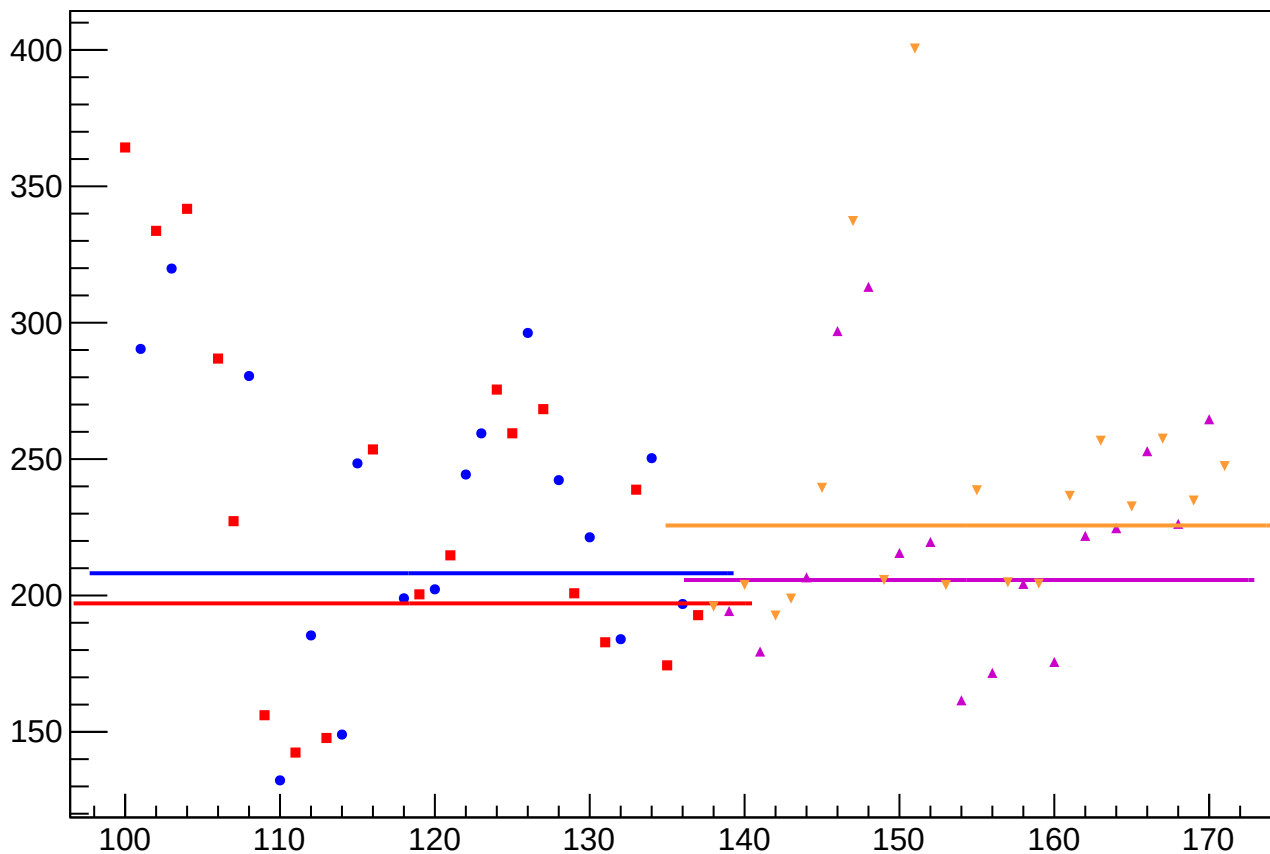
Left In: -574.609 ± 60.053 χ^2/NDF : 785.9/15

+ sign 248.882 ± 50.403 χ^2/NDF : 1471.6/34

All: 121.083 ± 34.577 χ^2/NDF : 2997.2/69

- sign 7.481 ± 47.521 χ^2/NDF : 1513.5/34

asym_bpm0l01WS_rms vs Slug



Right In: 208.151 ± 0.060 χ^2/NDF : 699084.2/16

Left Out: 225.671 ± 0.044 χ^2/NDF : 701580.1/17

Right Out: 197.103 ± 0.055 χ^2/NDF : 926467.5/18

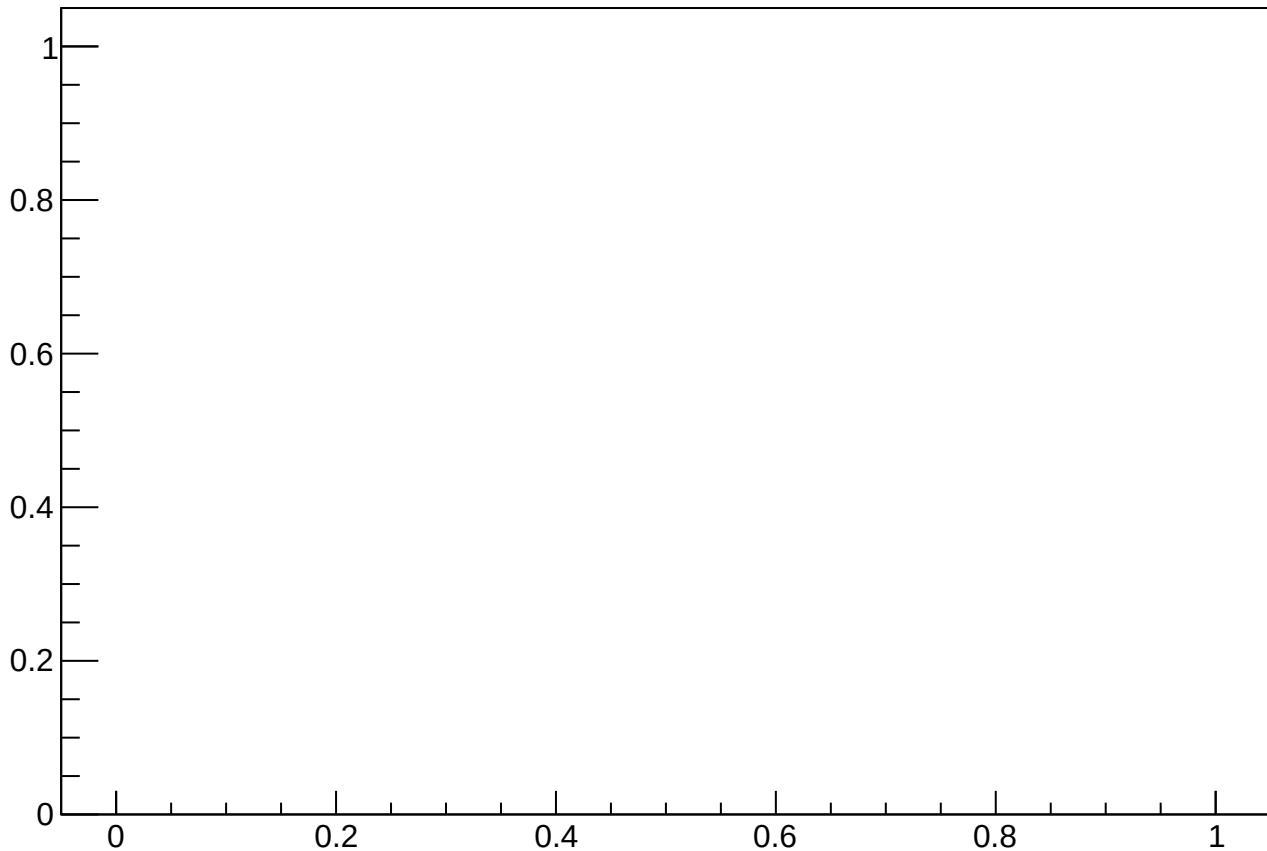
Left In: 205.673 ± 0.042 χ^2/NDF : 762997.9/15

+ sign 219.402 ± 0.036 χ^2/NDF : 1456193.3/34

All: 210.438 ± 0.024 χ^2/NDF : 3280379.6/69

- sign 202.469 ± 0.034 χ^2/NDF : 1704693.6/34

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

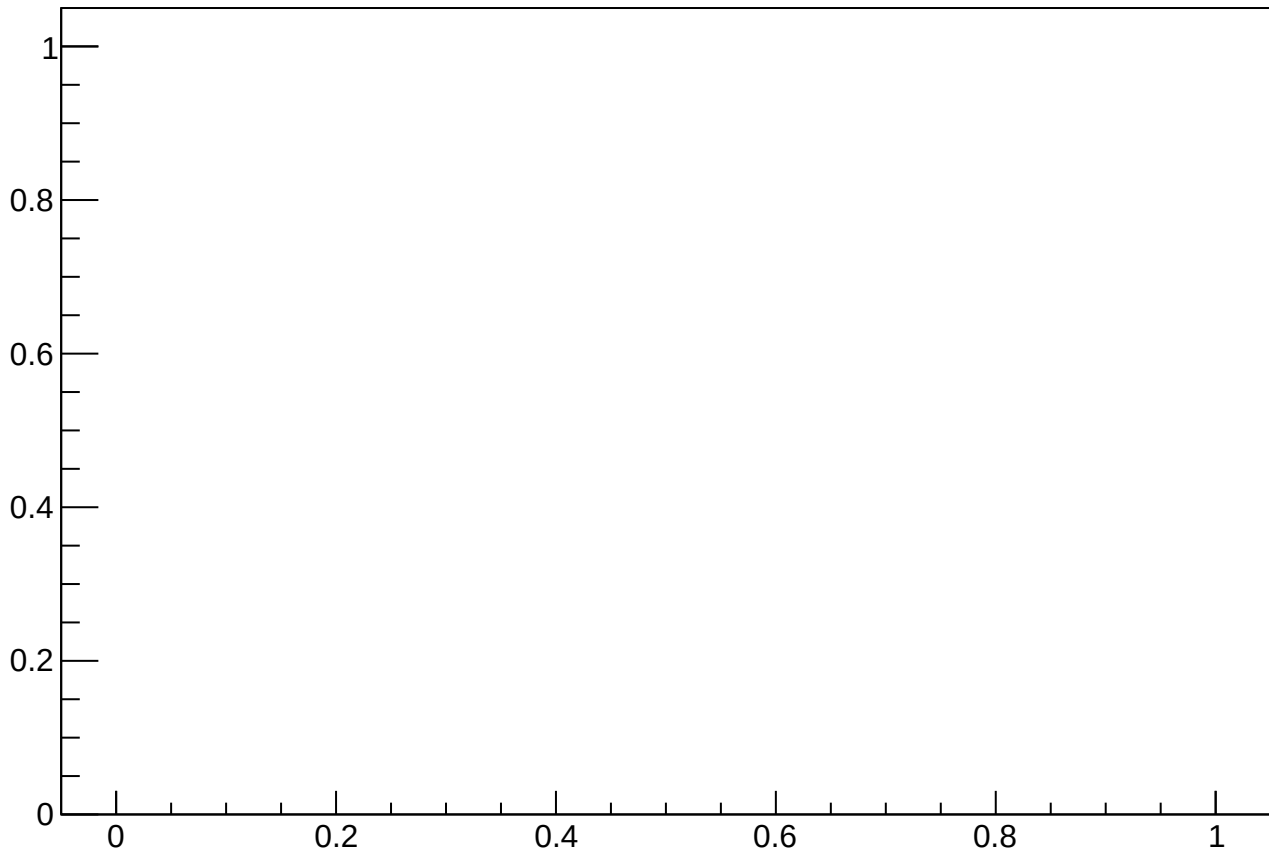
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

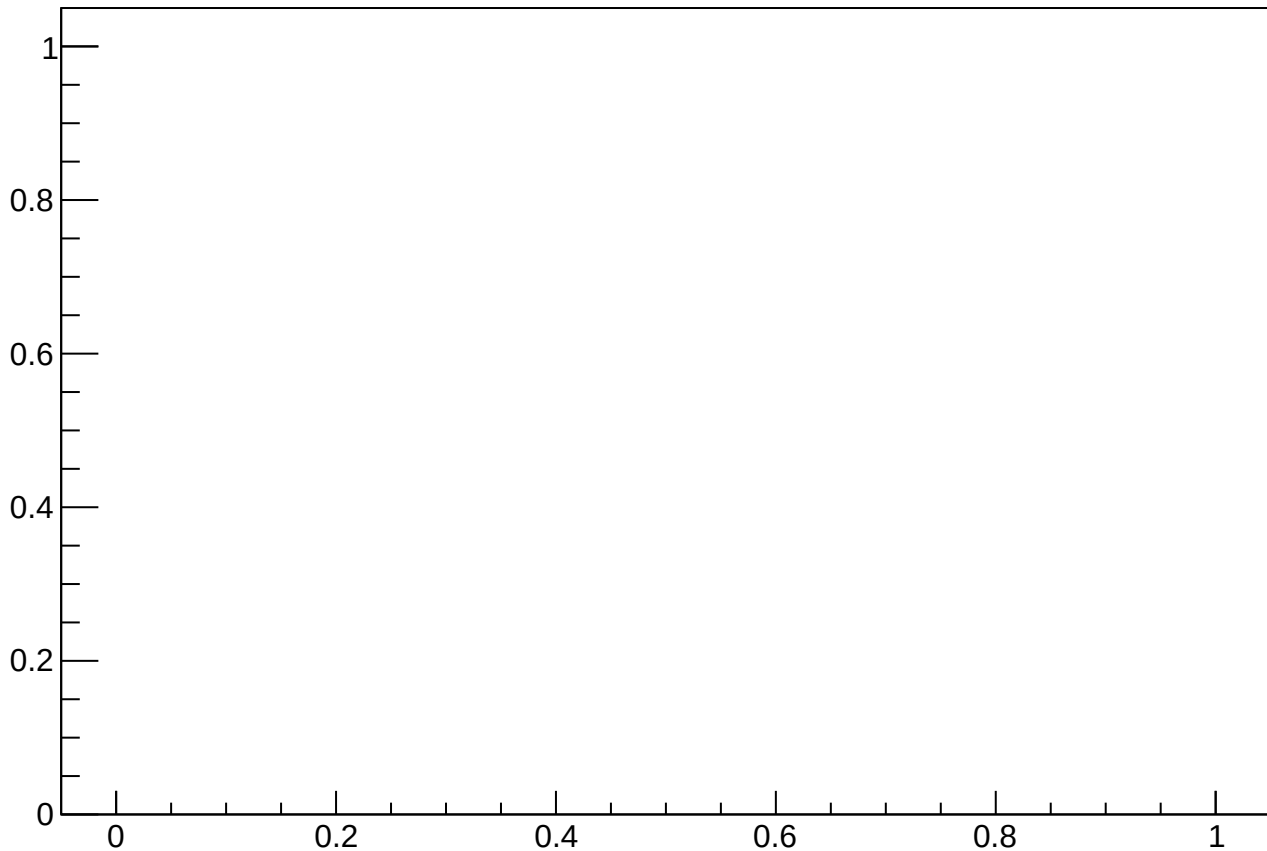
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

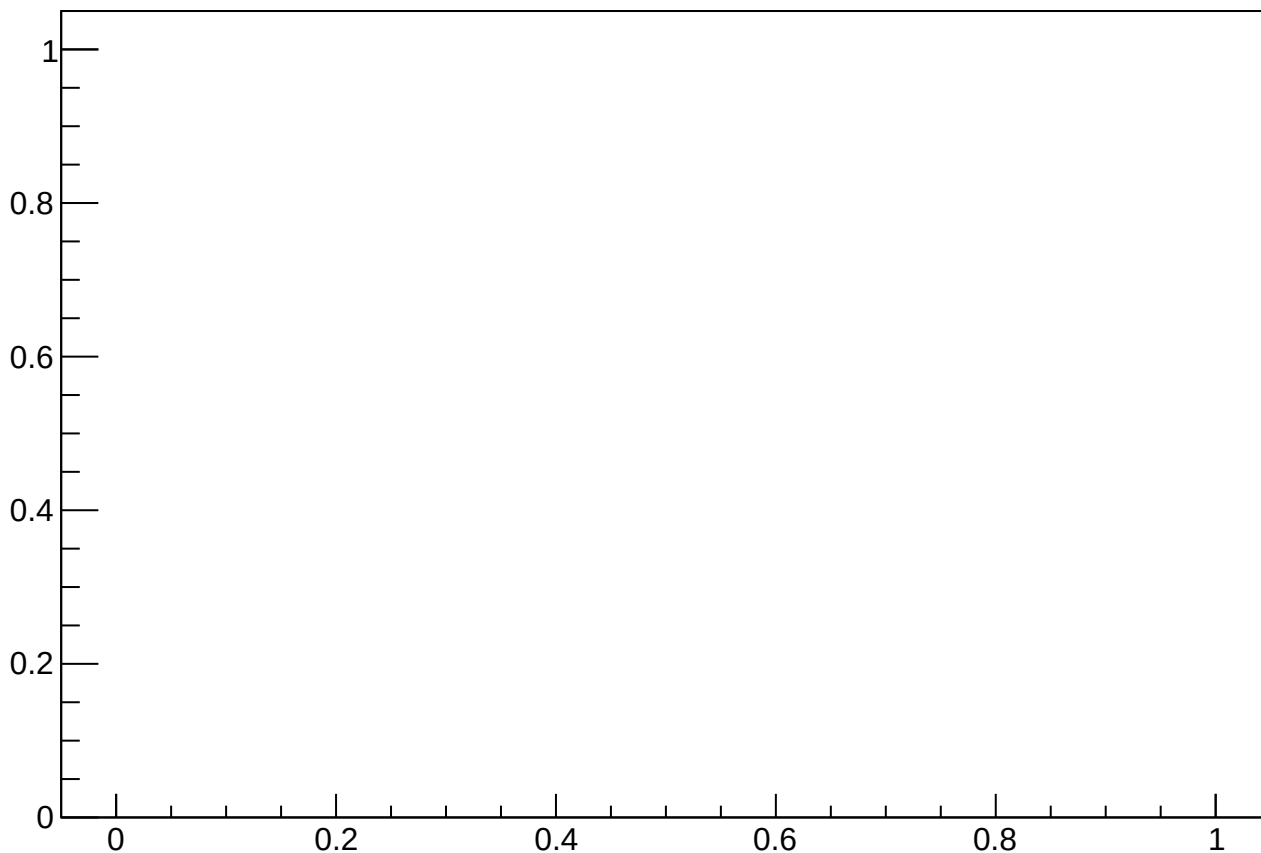
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

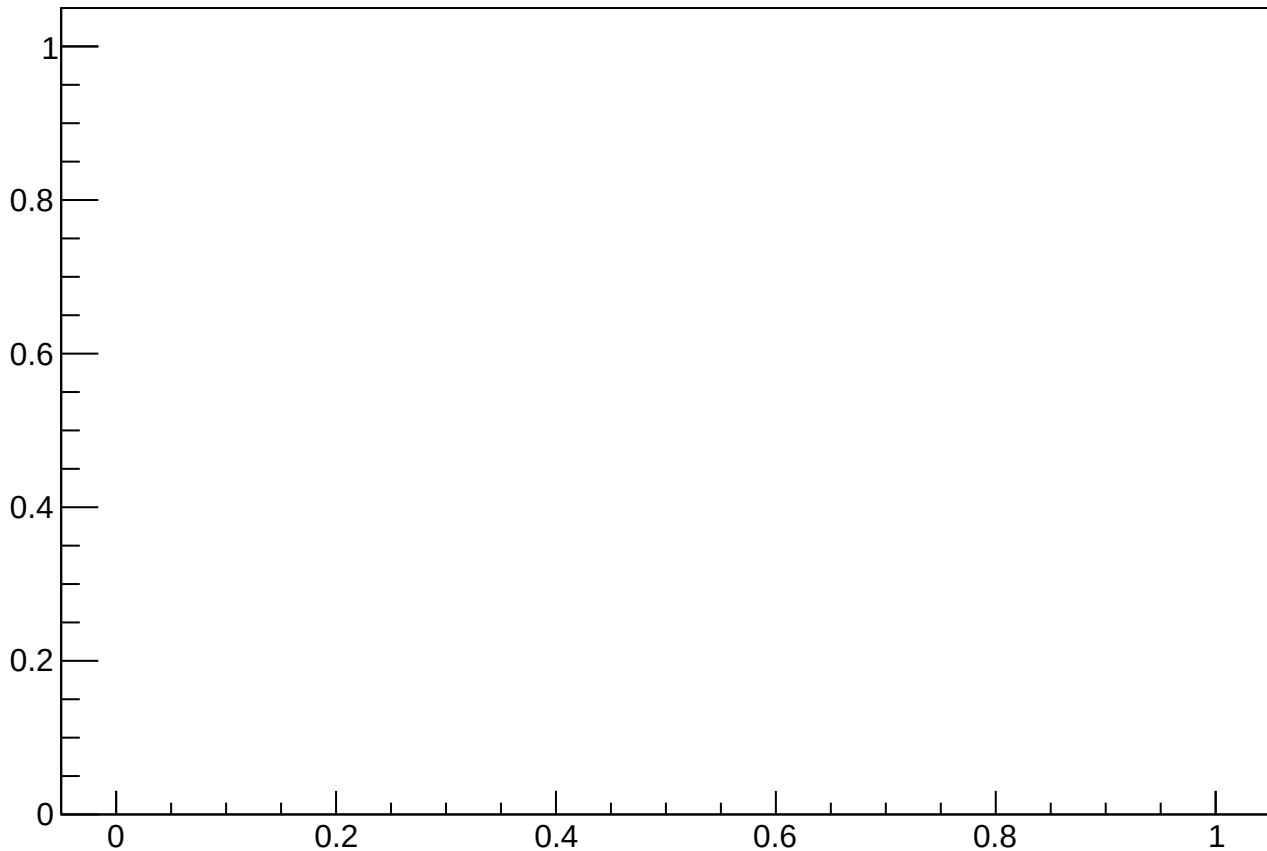
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

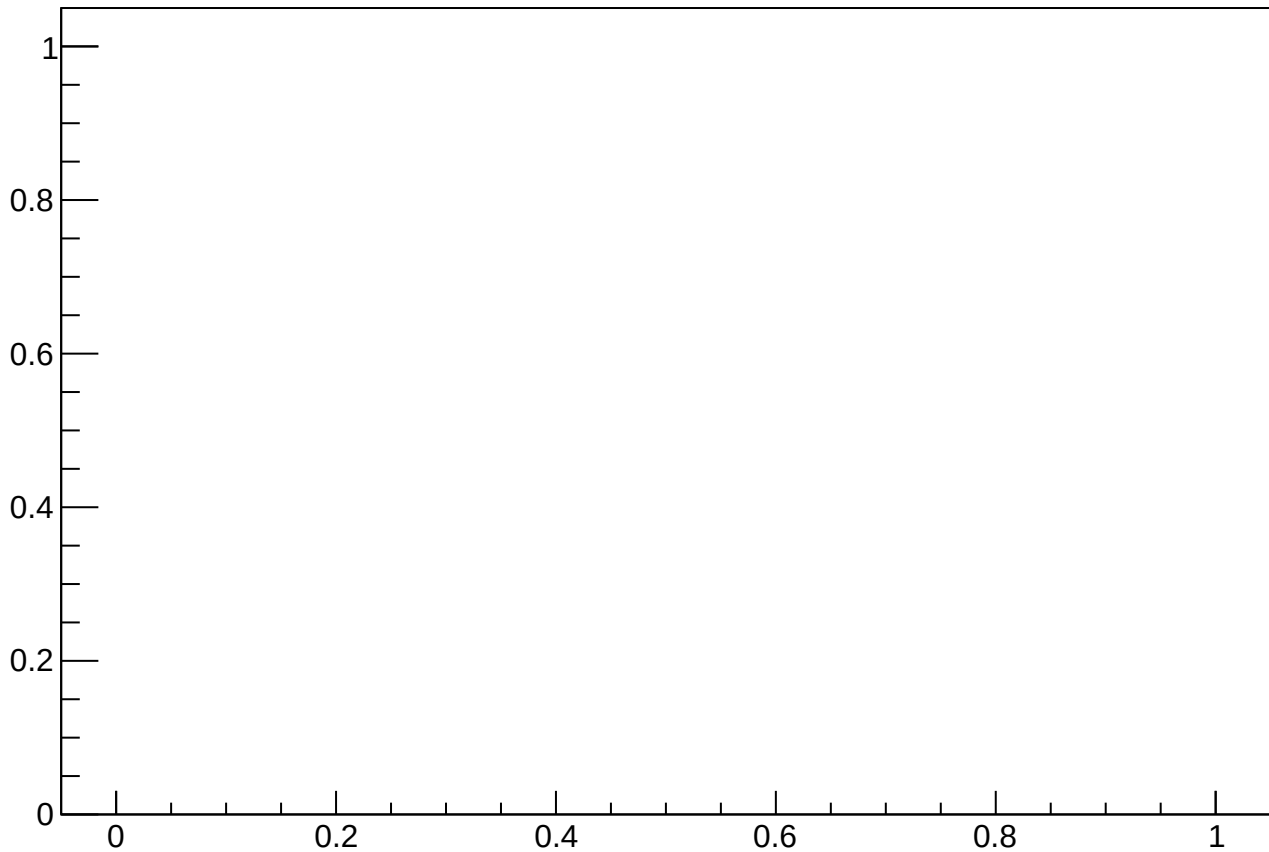
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

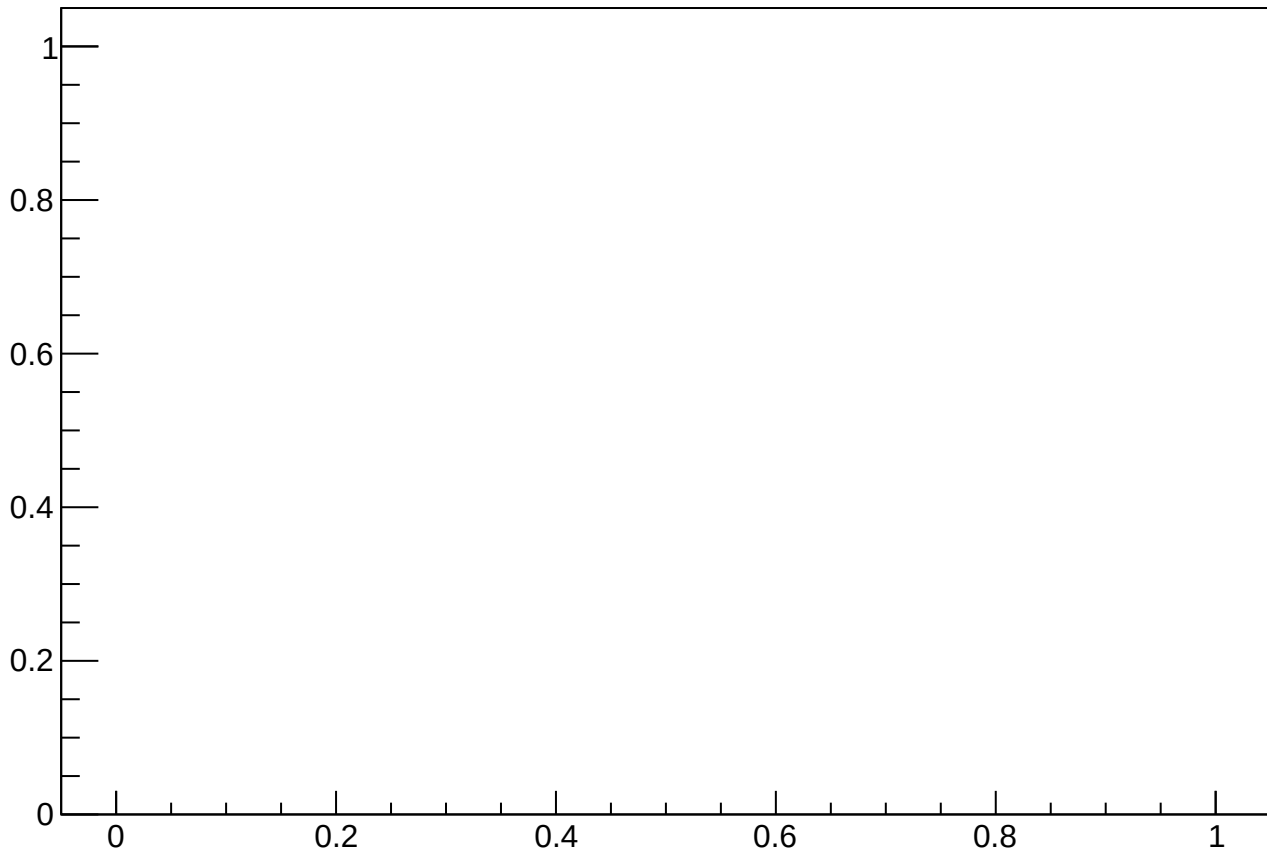
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

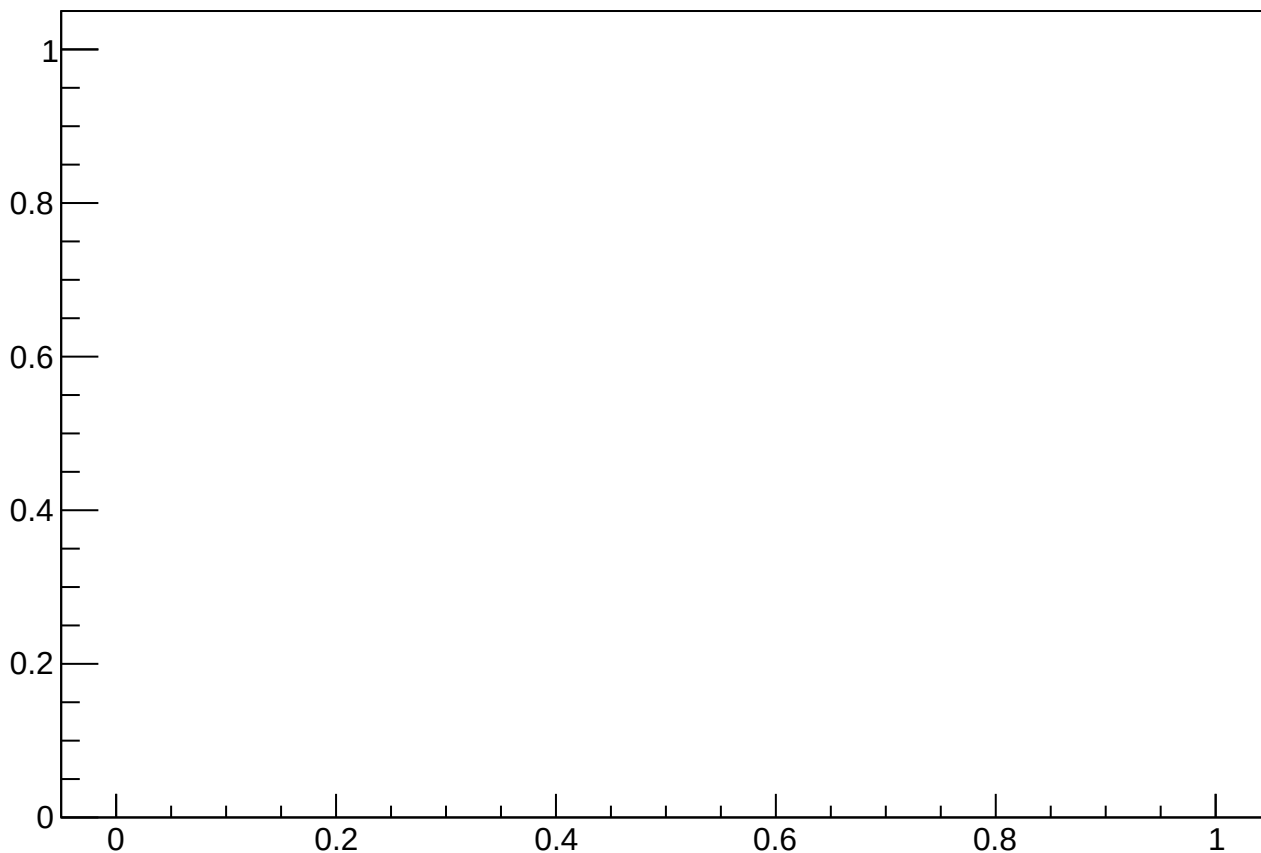
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

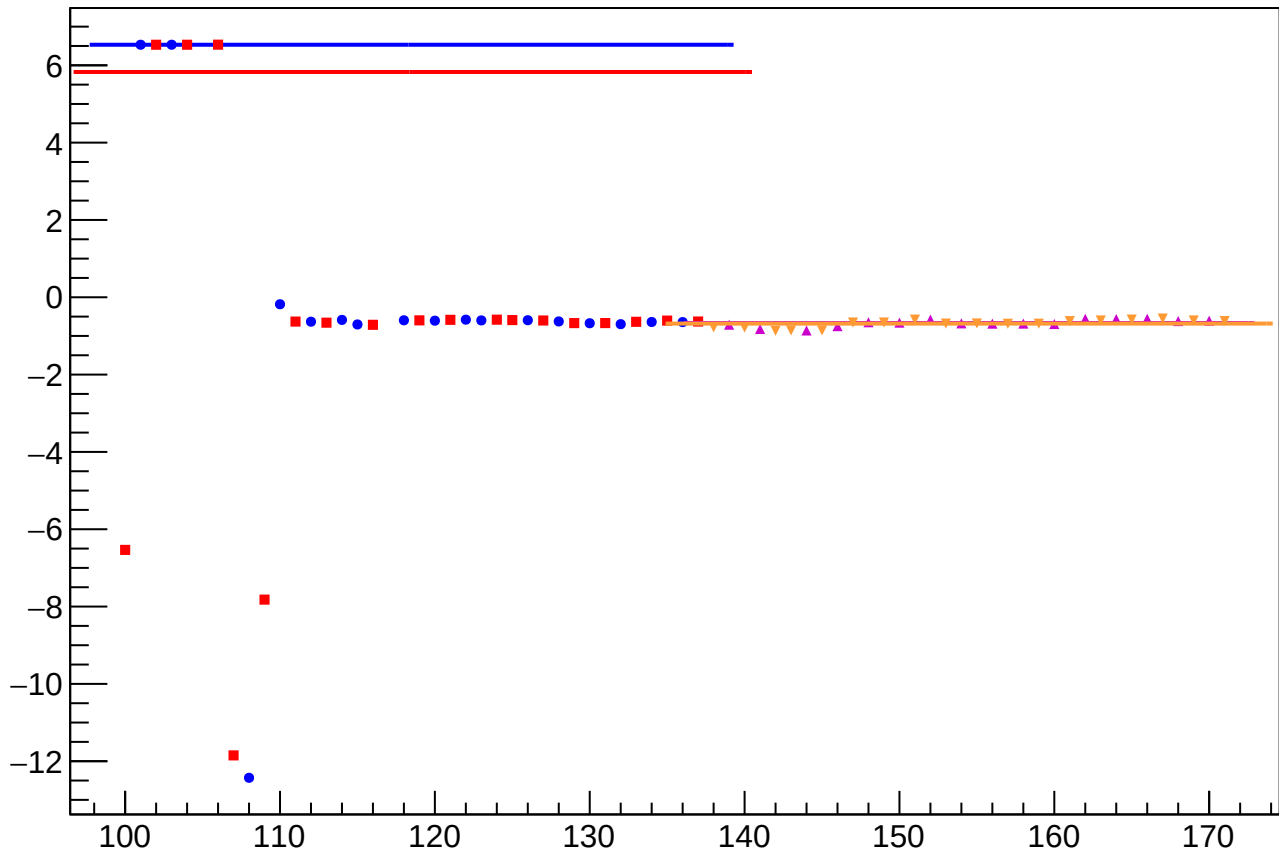
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 127219747629.7/16

Left Out: -0.680 $\pm$ 0.000 χ^2 /NDF: 127411928.9/17

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755963218053643.4/18

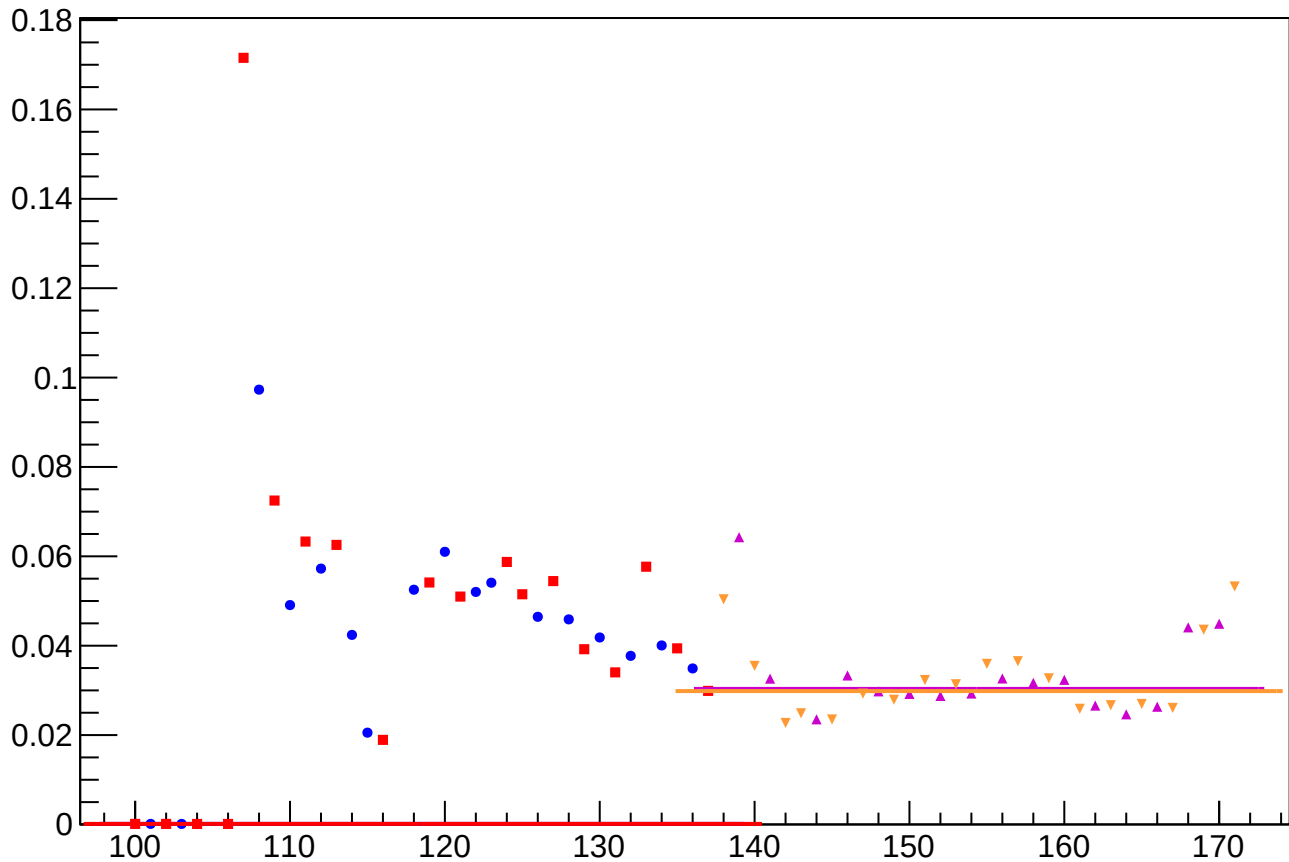
Left In: -0.667 $\pm$ 0.000 χ^2 /NDF: 96483421.1/15

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 744390998755.8/34

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77714885529973

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756416313485142.4/18

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.030+/-0.000 χ^2/NDF :1000943.2/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

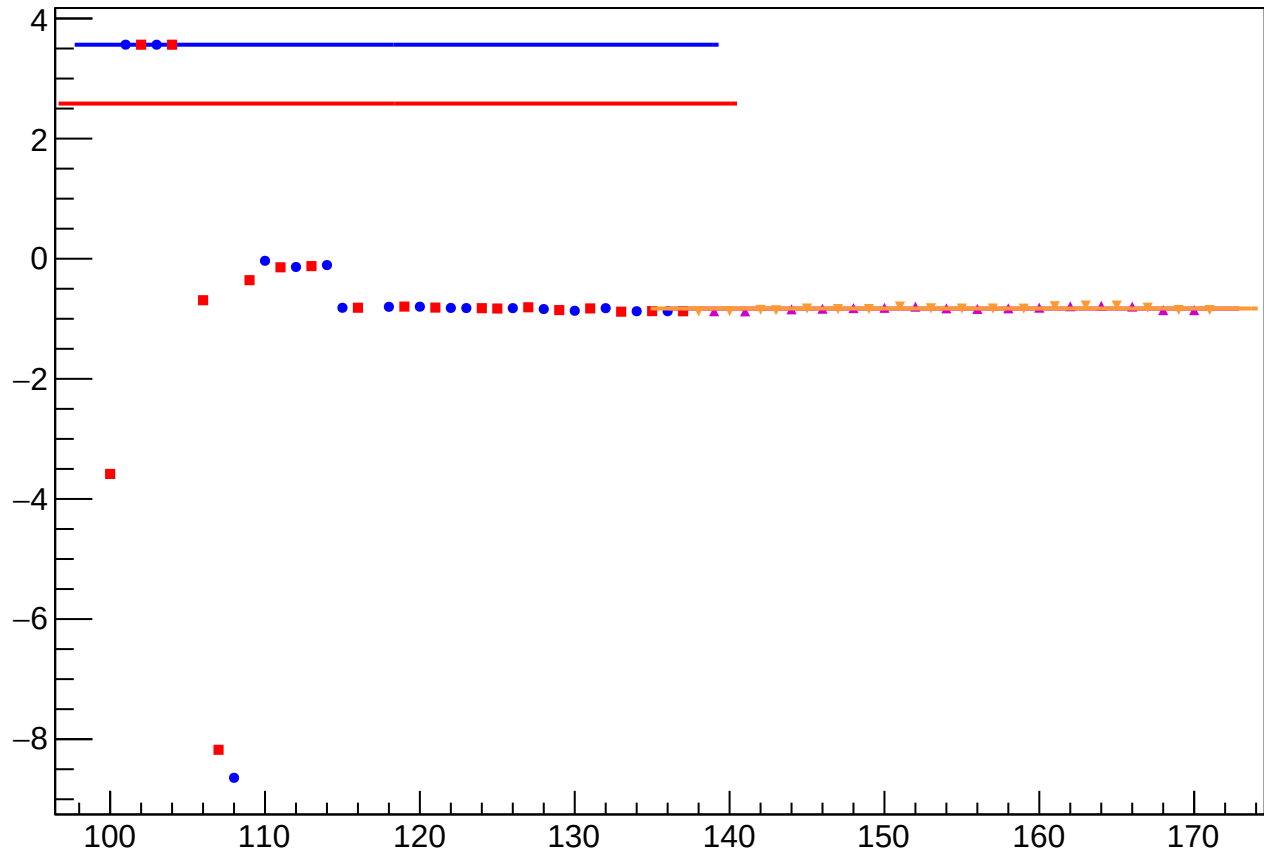
Left In: 0.030+/-0.000 χ^2/NDF :905598.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 30850218.0/34

All: 0.000+/-0.000 χ^2/NDF : 60710711.2/69

- sign 0.000+/-0.000 χ^2/NDF : 29859911.4/34

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.829+/-0.000 χ^2/NDF : 140304841.4/17

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

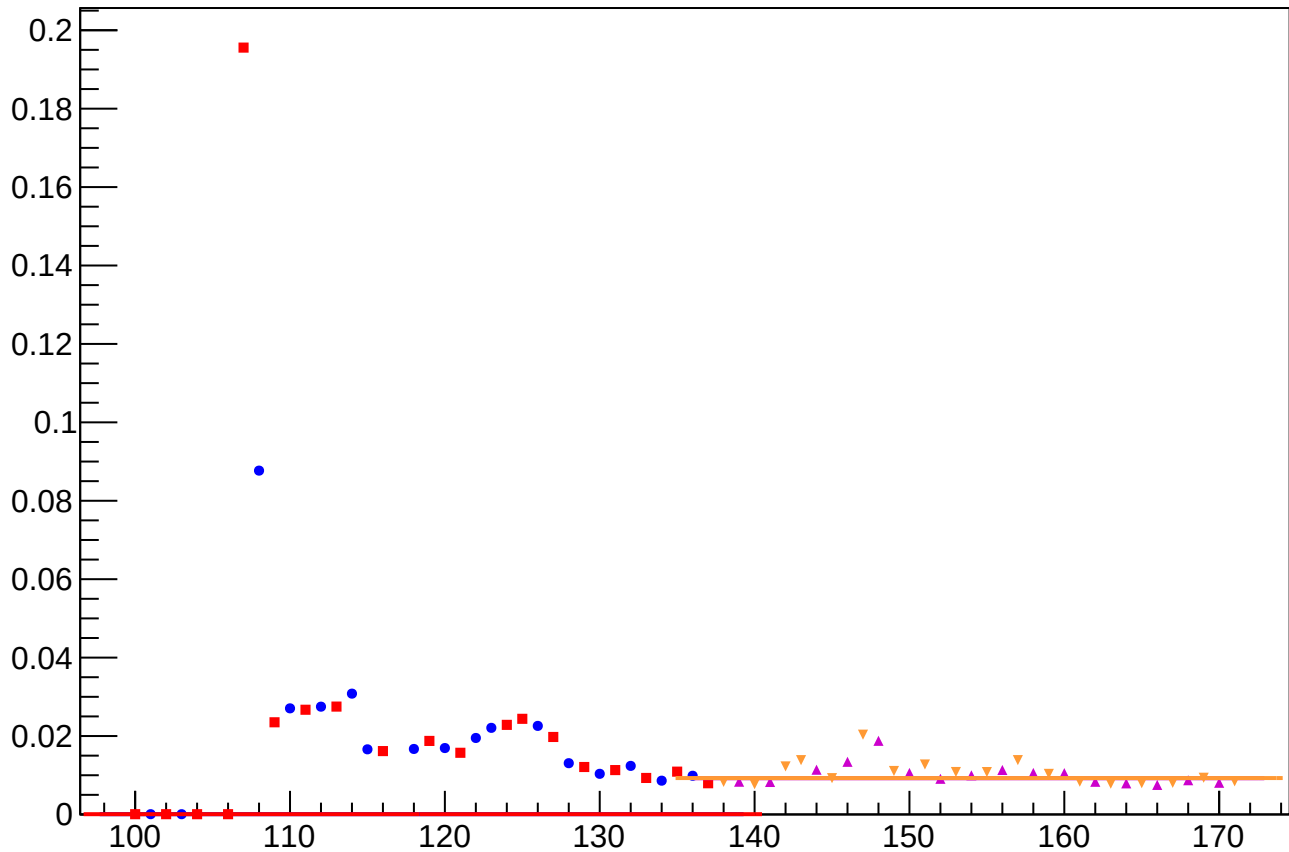
Left In: -0.830+/-0.000 χ^2/NDF : 117587265.8/15

+ sign 3.561+/-0.000 χ^2/NDF : 2912460288854.7/34

All: 3.039+/-0.000 χ^2/NDF : 13859139562447.0/34

- sign 2.582+/-0.000 χ^2/NDF : 1254881020552989.5/18

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :1077871.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

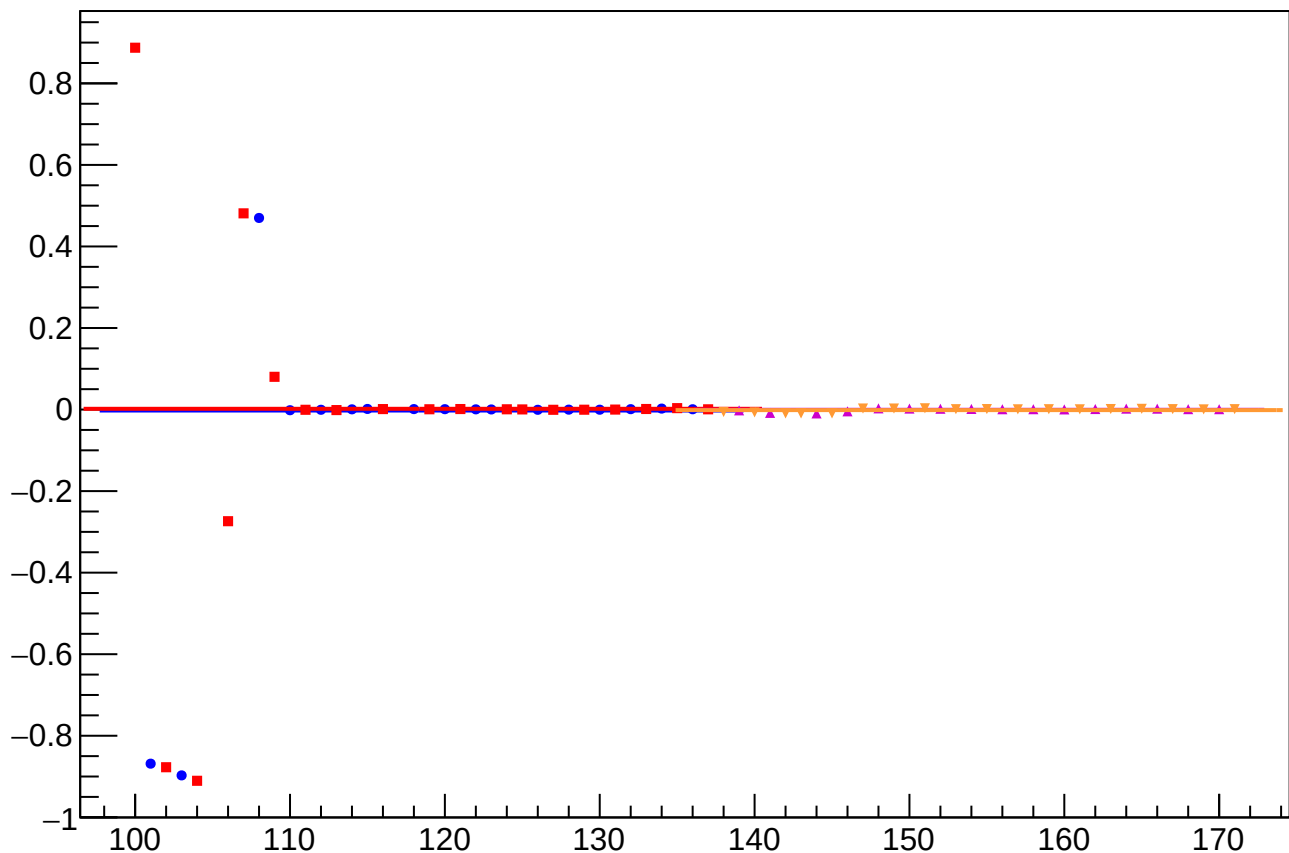
Left In: 0.009+/-0.000 χ^2/NDF :790115.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 32182564.9/34

All: 0.000+/-0.000 χ^2/NDF : 62712896.7/69

- sign 0.000+/-0.000 χ^2/NDF : 30529403.0/34

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.001+/-0.000 χ^2/NDF : 94829285.7/17

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

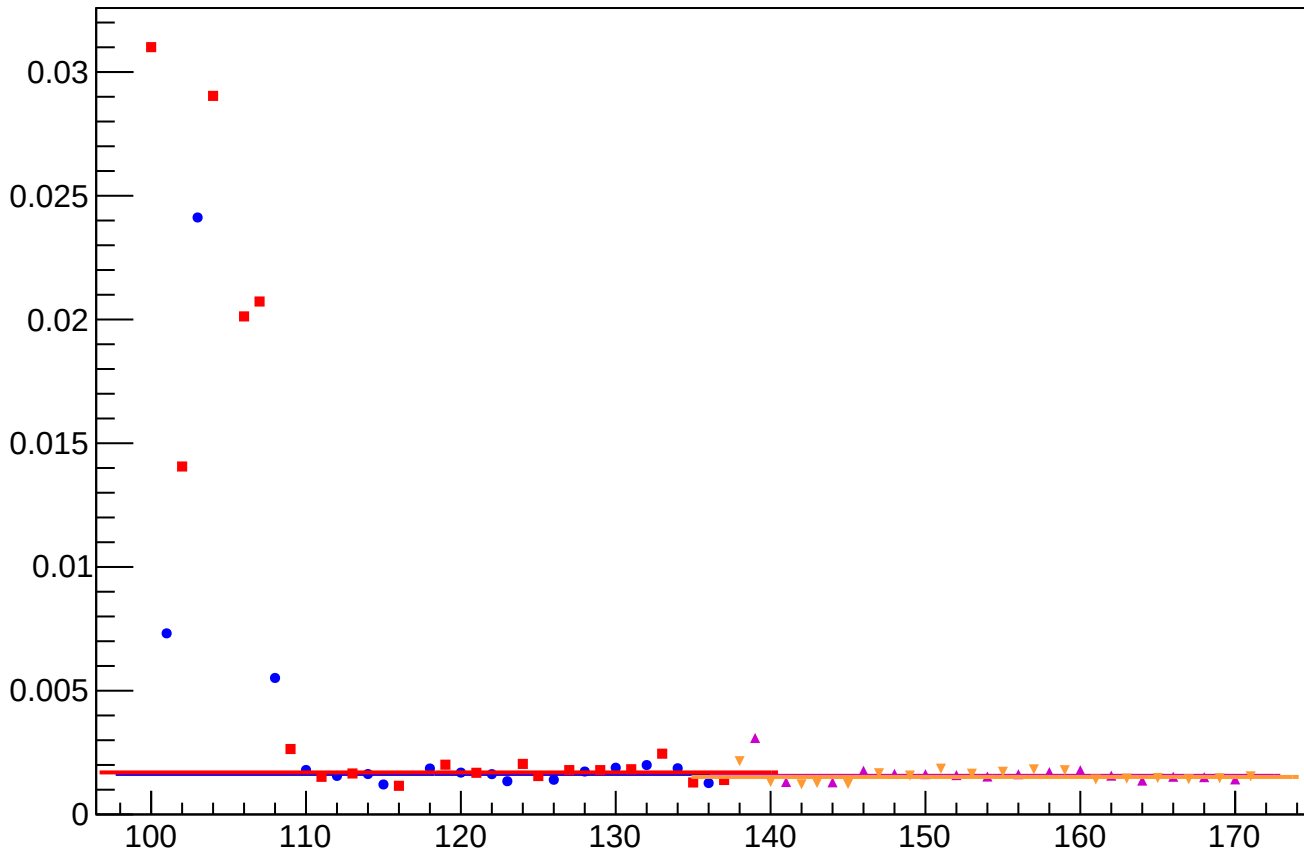
Left In: -0.001+/-0.000 χ^2/NDF : 67345316.0/15

+ sign -0.002+/-0.000 χ^2/NDF : 9890893210.0/34

All: -0.001+/-0.000 χ^2/NDF : 13014914848.4/34

- sign 0.000+/-0.000 χ^2/NDF : 3115329528.2/34

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 429212.8/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

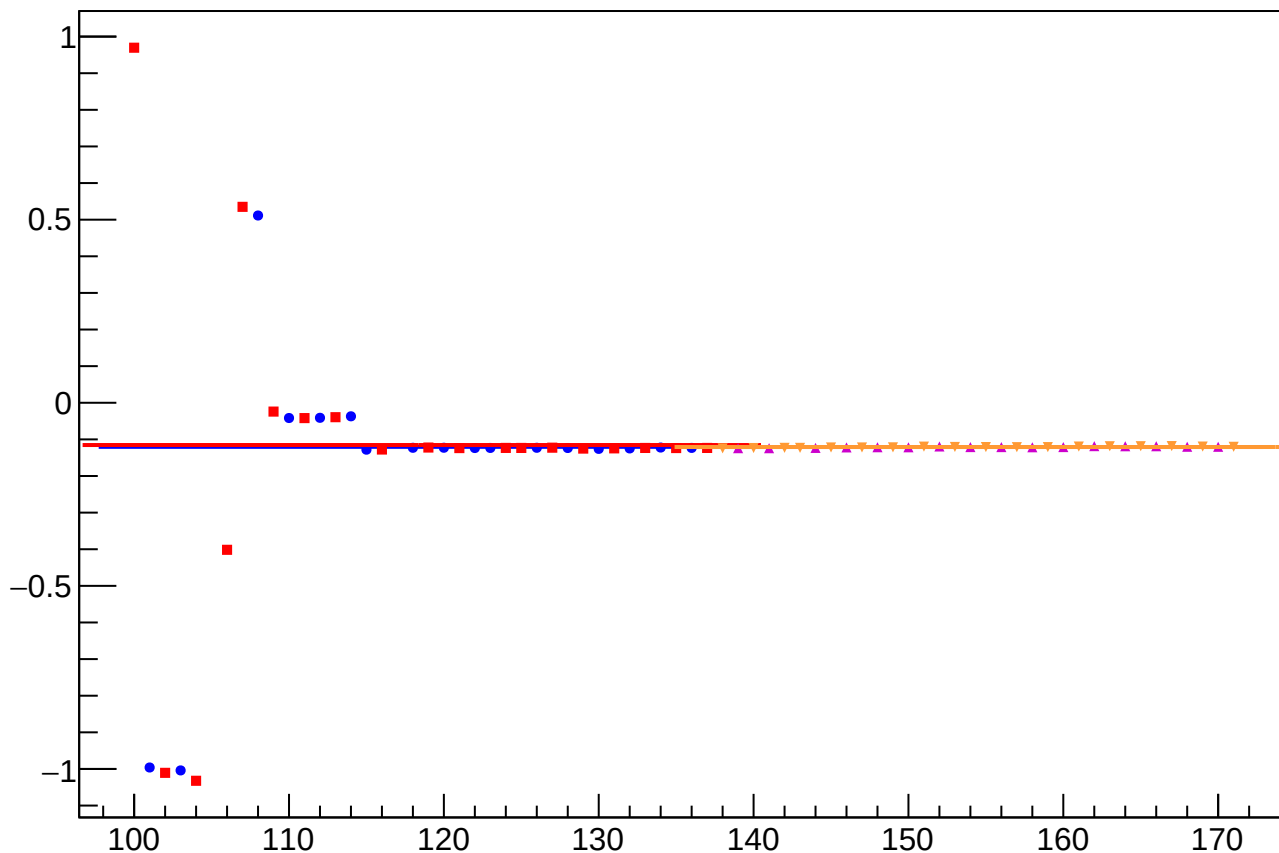
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 539796.7/15

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2382476.7/34

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6003697.5/69

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3606051.1/34

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.121+/-0.000 χ^2/NDF : 32229205.6/17

+ sign -0.121+/-0.000 χ^2/NDF : 3964781658.5/34

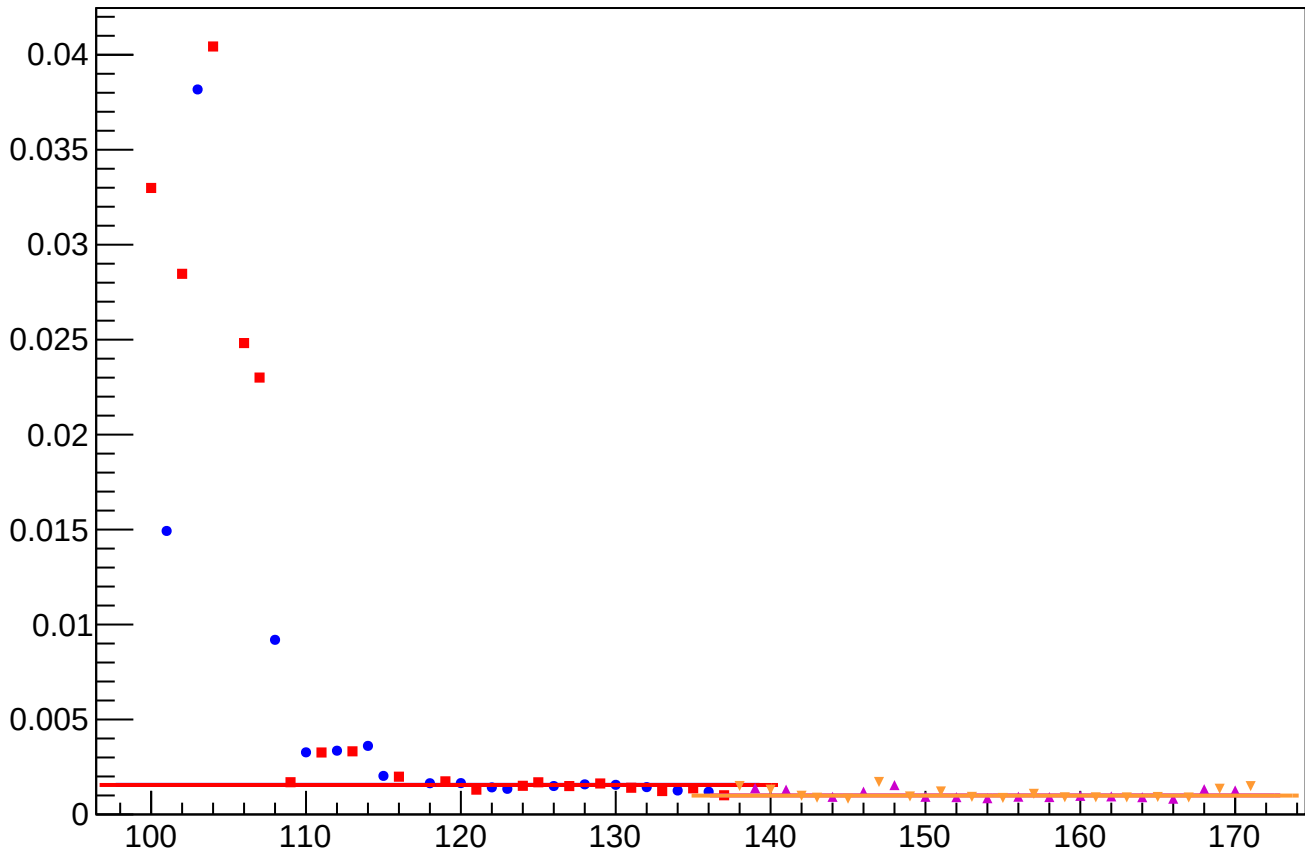
Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

All: -0.120+/-0.000 χ^2/NDF : 6501263344.0/6

- sign -0.120+/-0.000 χ^2/NDF : 2533245937.3/34

Left In: -0.121+/-0.000 χ^2/NDF : 28632825.7/15

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1012160.7/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

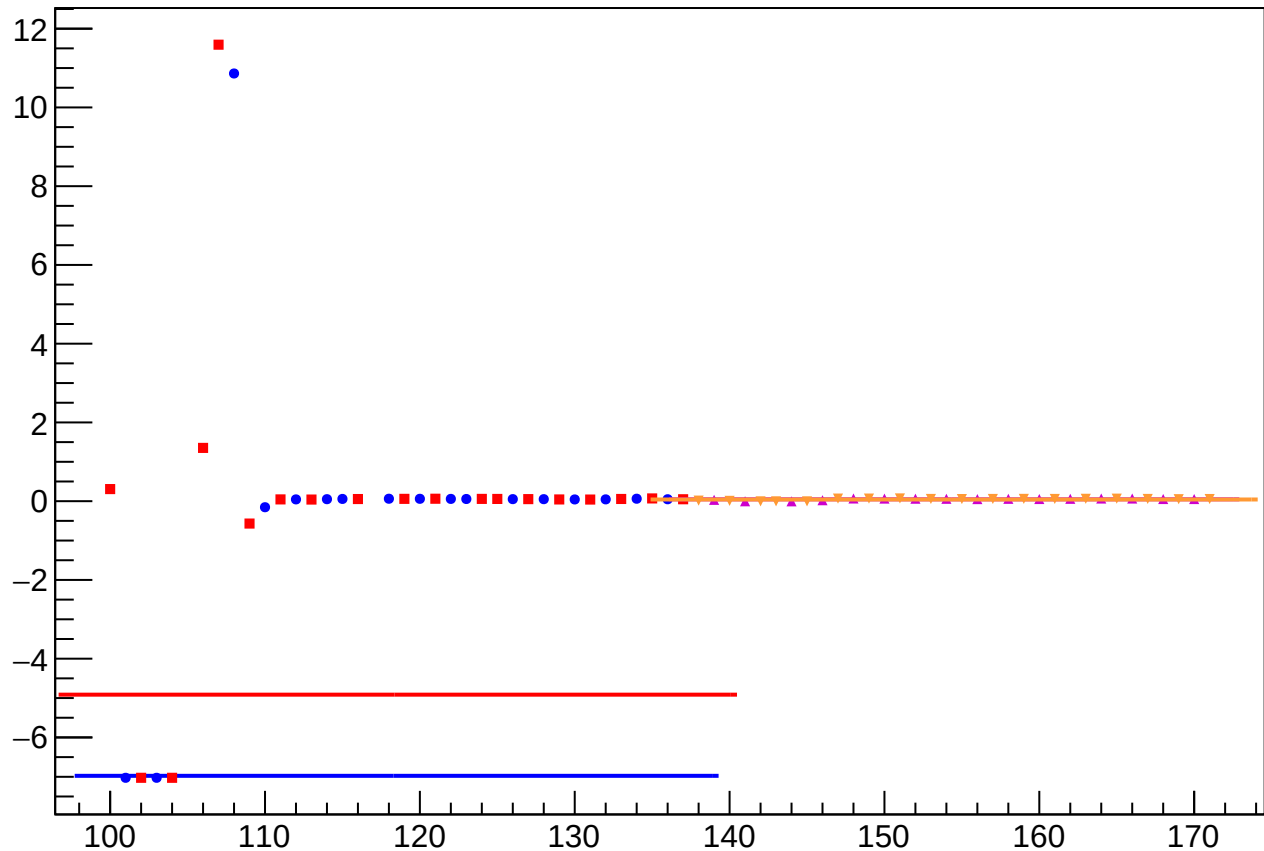
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:731586.4/15

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4948861.7/34

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10202027.2/69

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5250623.7/34

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2 /NDF: 8749579700722.8/16

Left Out: 0.043+/-0.000 χ^2 /NDF: 95871841.3/17

Right Out: -4.914+/-0.000 χ^2 /NDF: 365358092730279.9/18

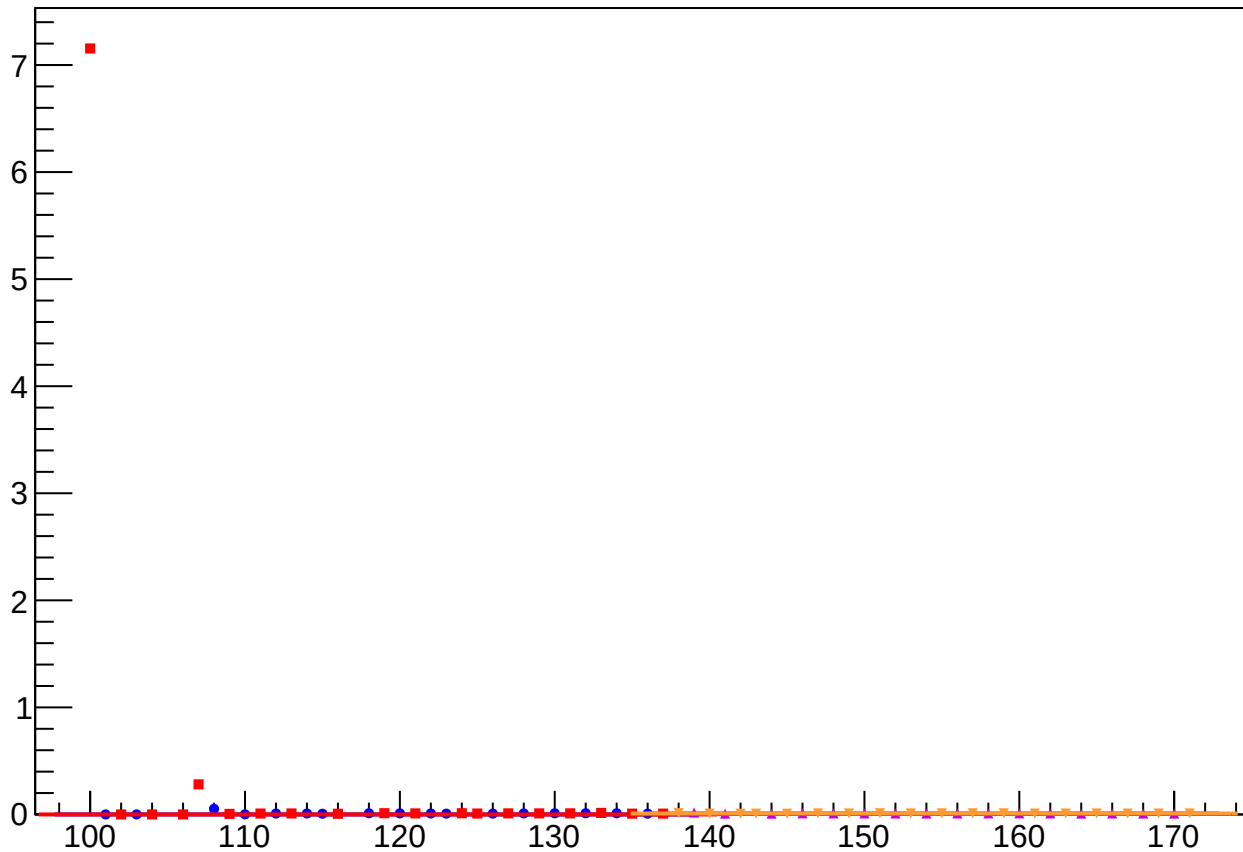
Left In: 0.047+/-0.000 χ^2 /NDF: 74630319.3/15

+ sign -6.938+/-0.000 χ^2 /NDF: 15370837469995.1/16

All: -5.871+/-0.000 χ^2 /NDF: 4392404578428

- sign -4.893+/-0.000 χ^2 /NDF: 368270087882625.5

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 422695.4/17

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

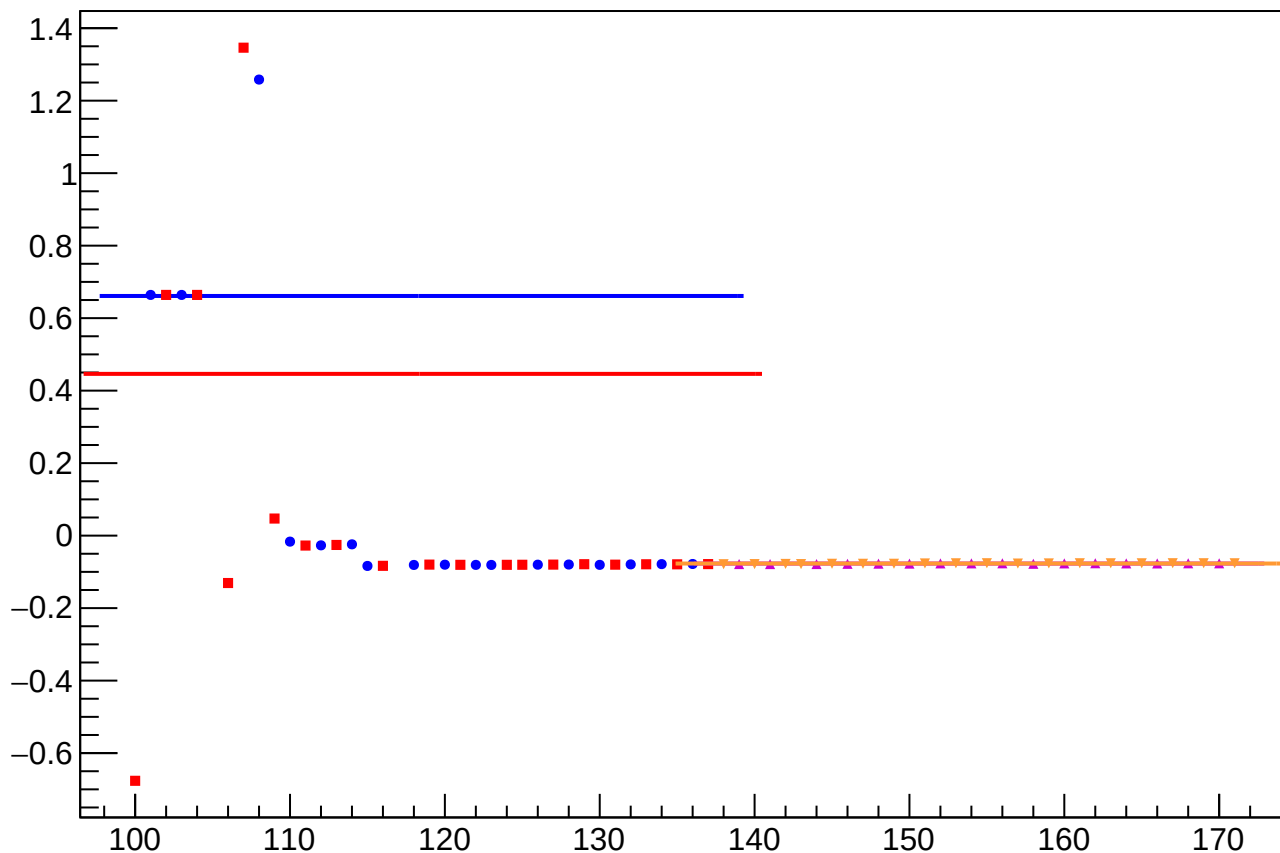
Left In: 0.009+/-0.000 χ^2/NDF : 531135.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 29324709.9/34

All: 0.000+/-0.000 χ^2/NDF : 57974315.5/69

- sign 0.000+/-0.000 χ^2/NDF : 28646335.4/34

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5607525081216.0/16

Left Out: -0.077 $\pm$ 0.000 χ^2 /NDF: 33554186.4/17

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405416924315199.0/18

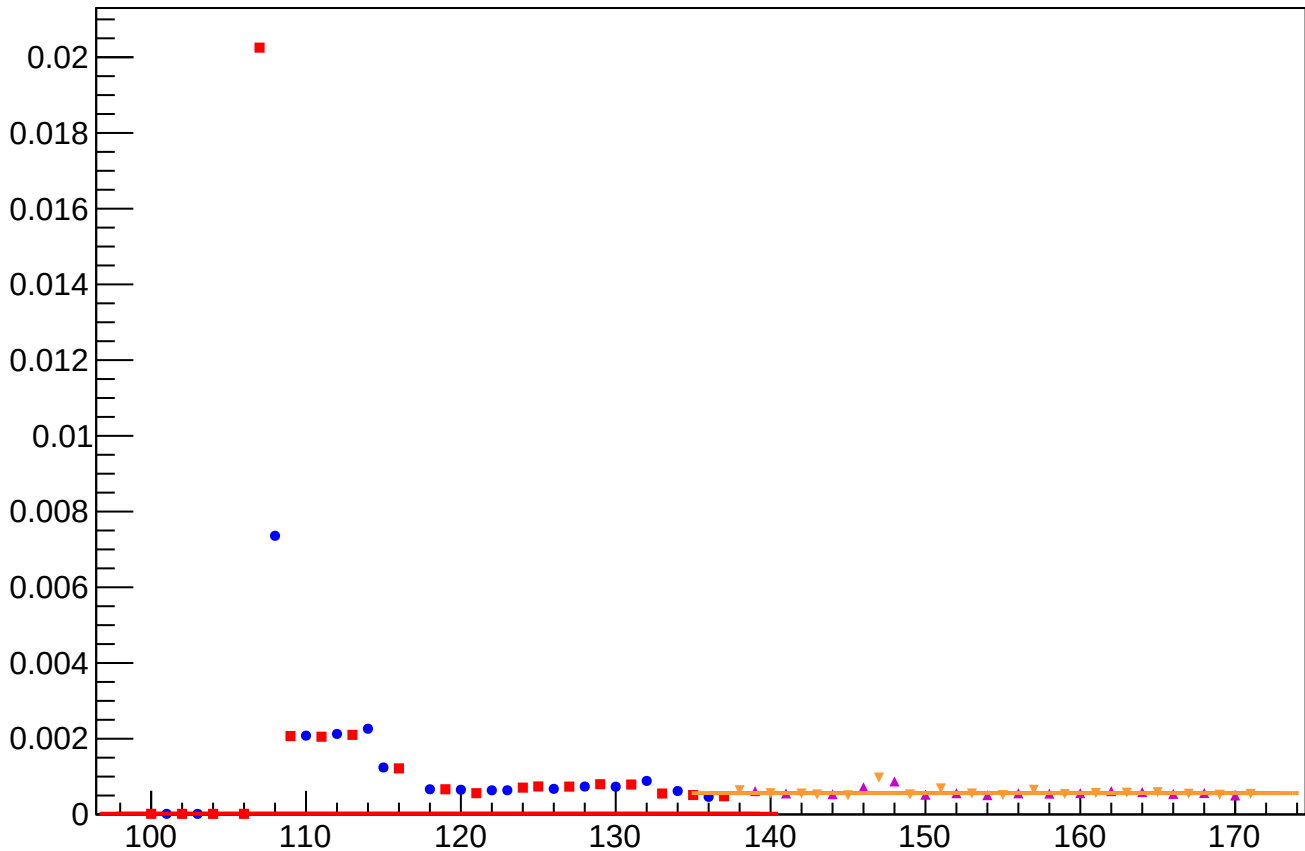
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 23463511.6/15

+ sign 0.650 $\pm$ 0.000 χ^2 /NDF: 27131564300981.4/3

All: 0.540 $\pm$ 0.000 χ^2 /NDF: 50376901867372

- sign 0.440 $\pm$ 0.000 χ^2 /NDF: 415445223800952.2/3

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 426206.6/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

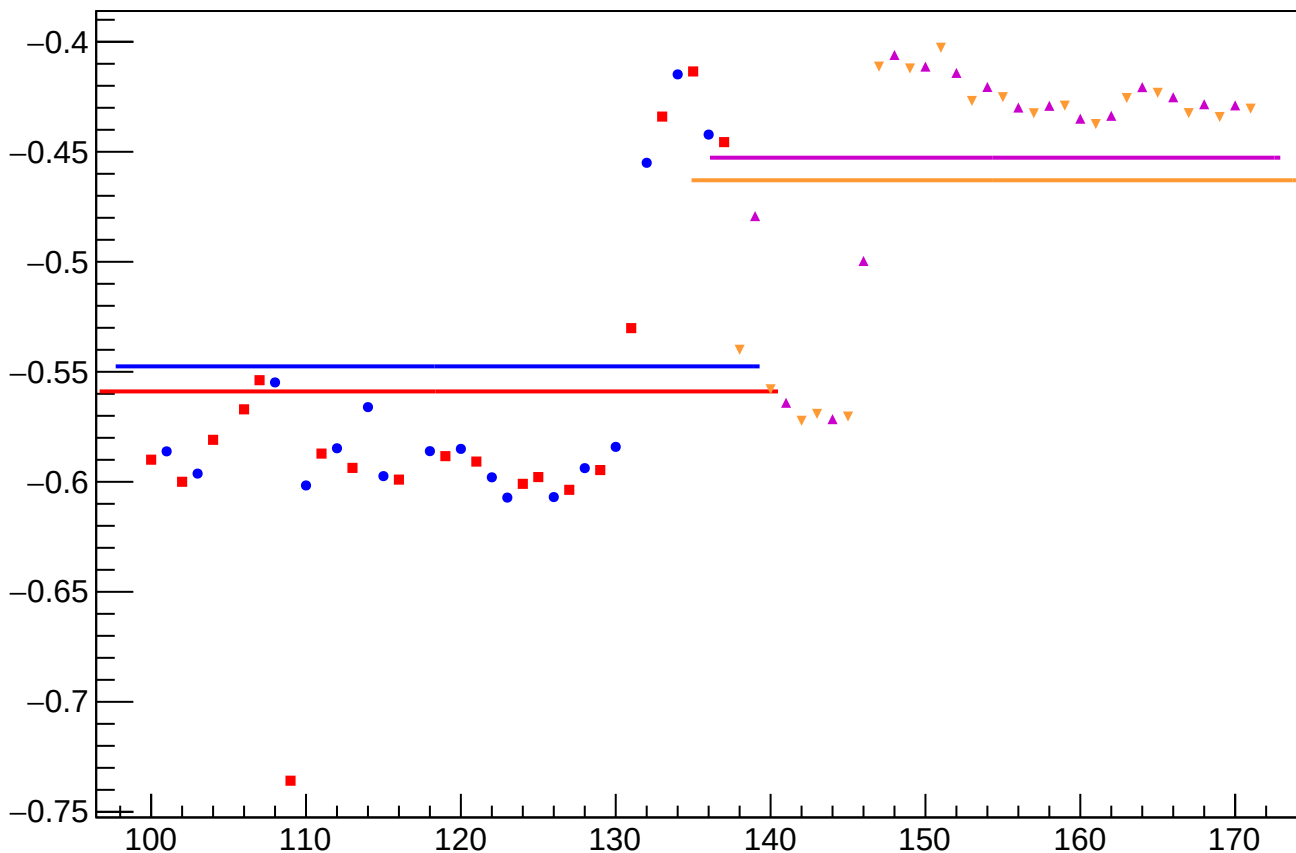
Left In: 0.001+/-0.000 χ^2/NDF : 343444.9/15

+ sign 0.000+/-0.000 χ^2/NDF : 33877054.2/34

All: 0.000+/-0.000 χ^2/NDF : 65710387.6/69

- sign 0.000+/-0.000 χ^2/NDF : 31828681.8/34

yield_bpm4aX_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.463 ± 0.000 χ^2/NDF : 105966967.5/17

Right Out: -0.559 ± 0.000 χ^2/NDF : 65330923.3/18

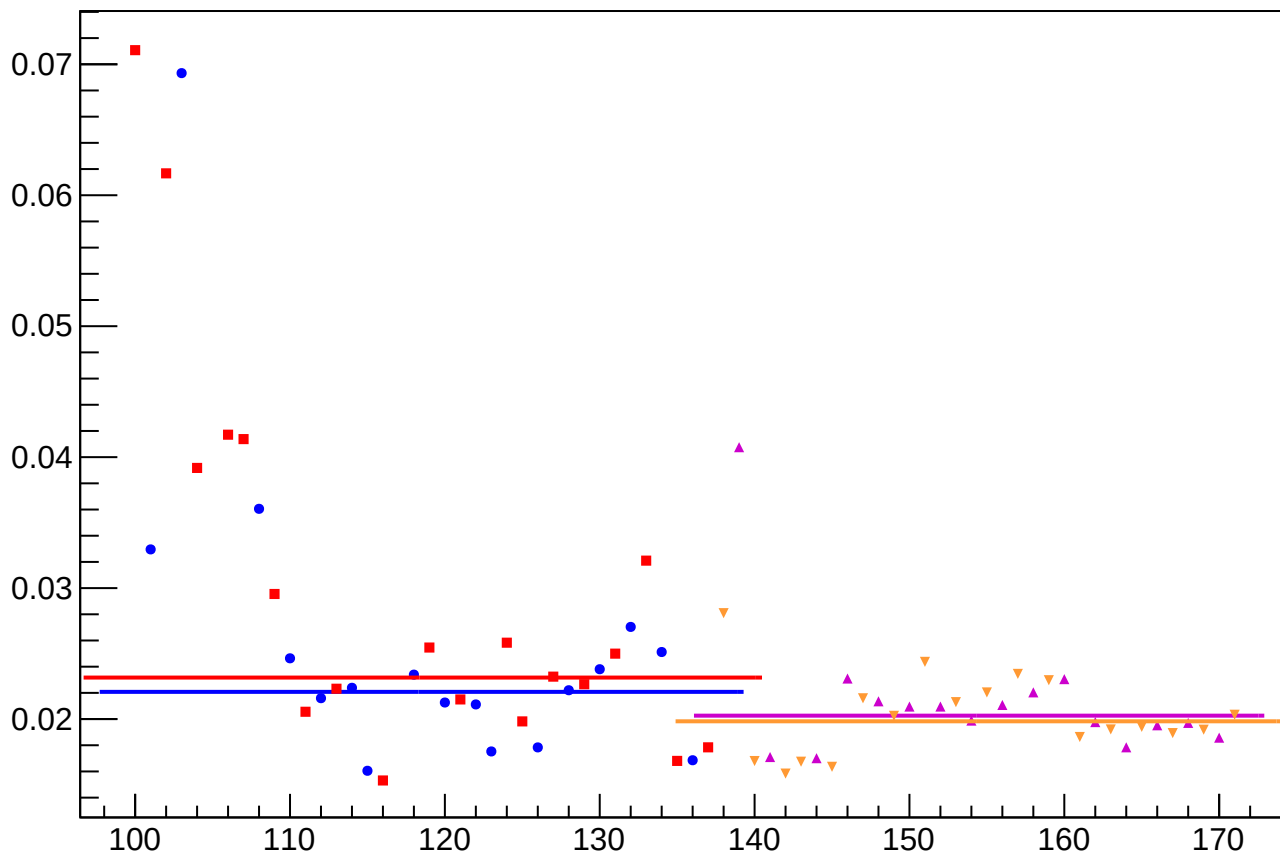
Left In: -0.453 ± 0.000 χ^2/NDF : 75112108.5/15

+ sign -0.486 ± 0.000 χ^2/NDF : 208272983.6/34

All: -0.485 ± 0.000 χ^2/NDF : 428495297.3/69

- sign -0.483 ± 0.000 χ^2/NDF : 220078503.3/34

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020 ± 0.000 χ^2/NDF : 398833.3/17

Right Out: 0.023 ± 0.000 χ^2/NDF : 1156758.3/18

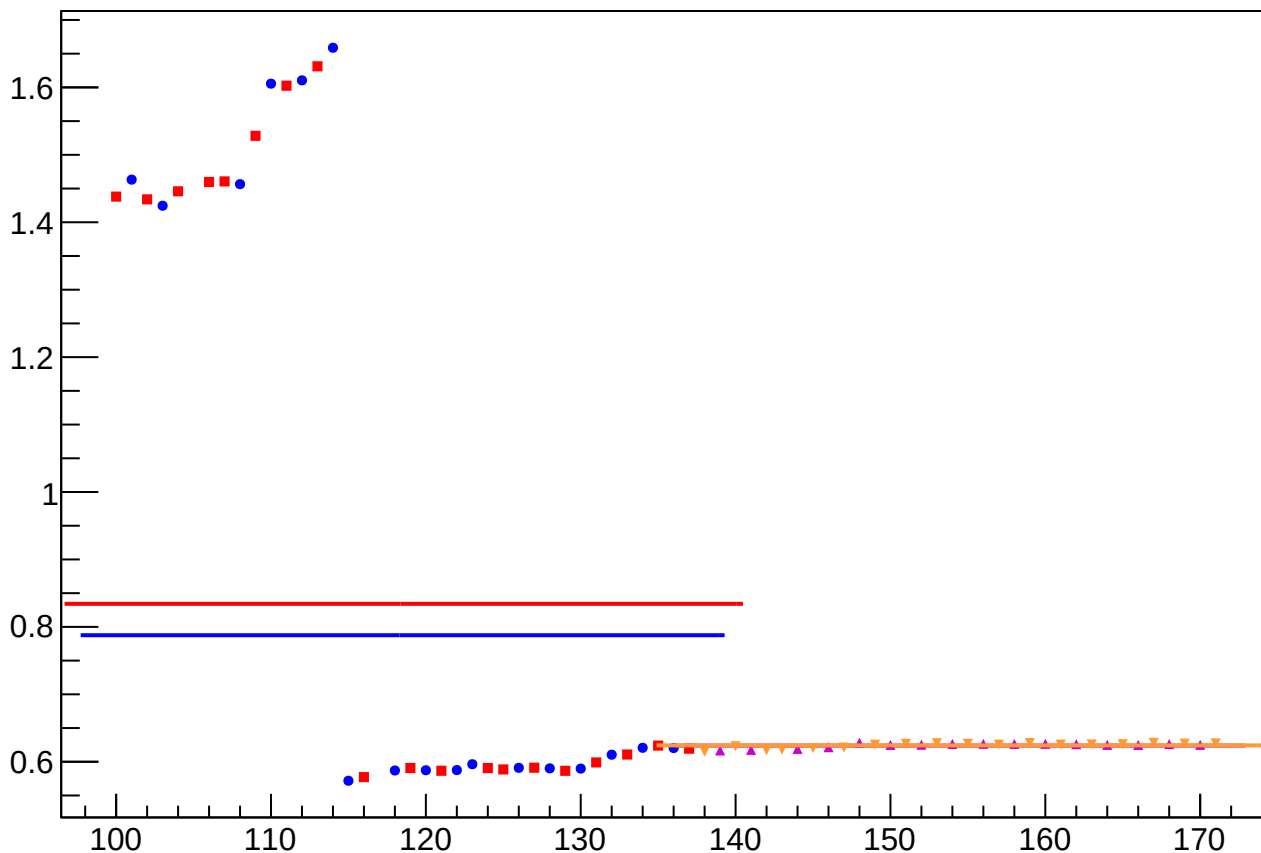
Left In: 0.020 ± 0.000 χ^2/NDF : 538919.3/15

+ sign 0.020 ± 0.000 χ^2/NDF : 1429575.0/34

All: 0.021 ± 0.000 χ^2/NDF : 3260002.2/69

- sign 0.021 ± 0.000 χ^2/NDF : 1815049.3/34

yield_bpm4aY_mean vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.624 $\pm$ 0.000 χ^2 /NDF:1230481.8/17

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152115639.4/18

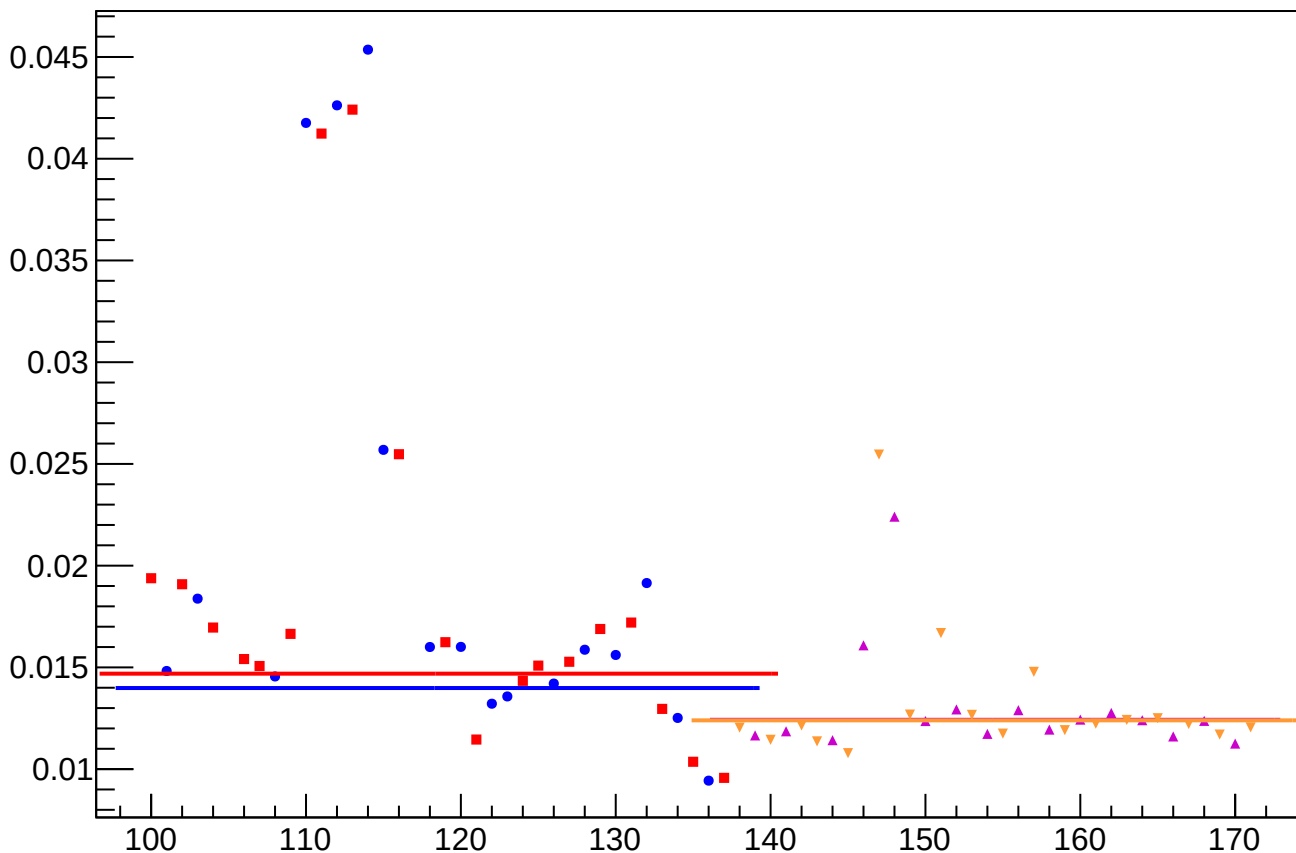
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:915502.0/15

+ sign 0.666 $\pm$ 0.000 χ^2 /NDF: 4152745655.8/34

All: 0.673 $\pm$ 0.000 χ^2 /NDF: 9220609125.5/69

- sign 0.679 $\pm$ 0.000 χ^2 /NDF: 5058207132.6/34

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 596872.4/17

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1258511.3/18

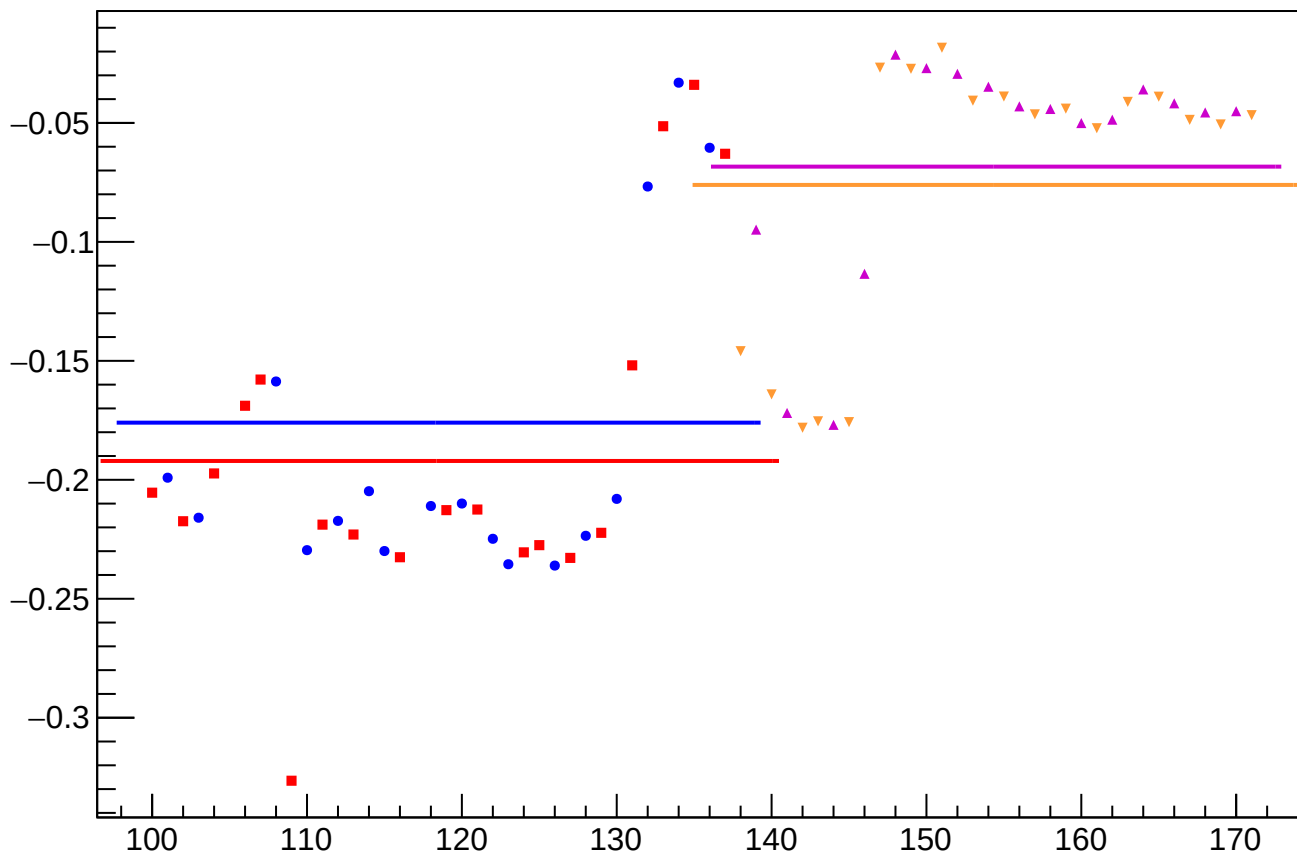
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 435977.7/15

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2103182.3/34

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4013455.7/69

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1905082.6/34

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.076+/-0.000 χ^2/NDF : 100967154.5/17

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

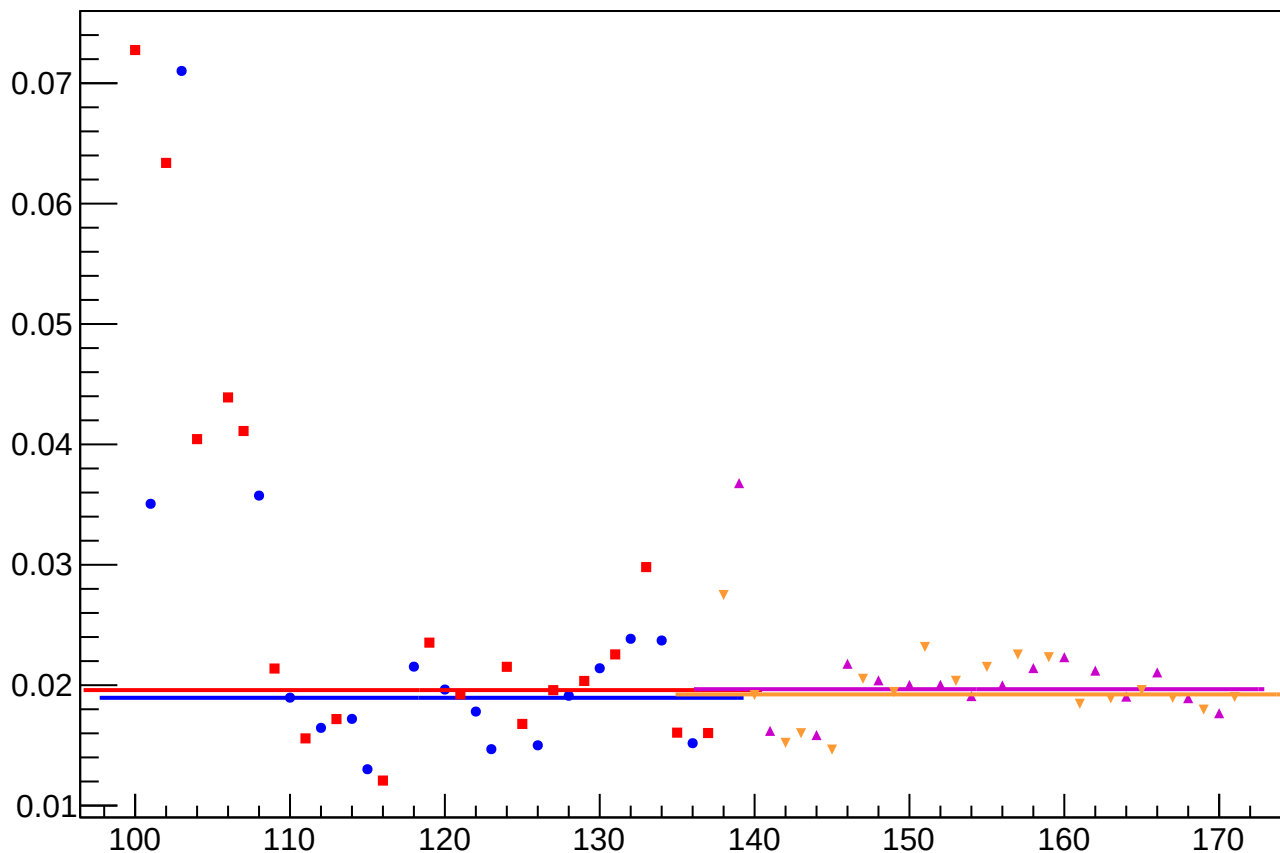
Left In: -0.068+/-0.000 χ^2/NDF : 75493045.7/15

+ sign -0.108+/-0.000 χ^2/NDF : 264834960.2/34

All: -0.109+/-0.000 χ^2/NDF : 560184331.4/69

- sign -0.110+/-0.000 χ^2/NDF : 295218234.9/34

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1203275.7/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:425518.1/17

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1455327.3/18

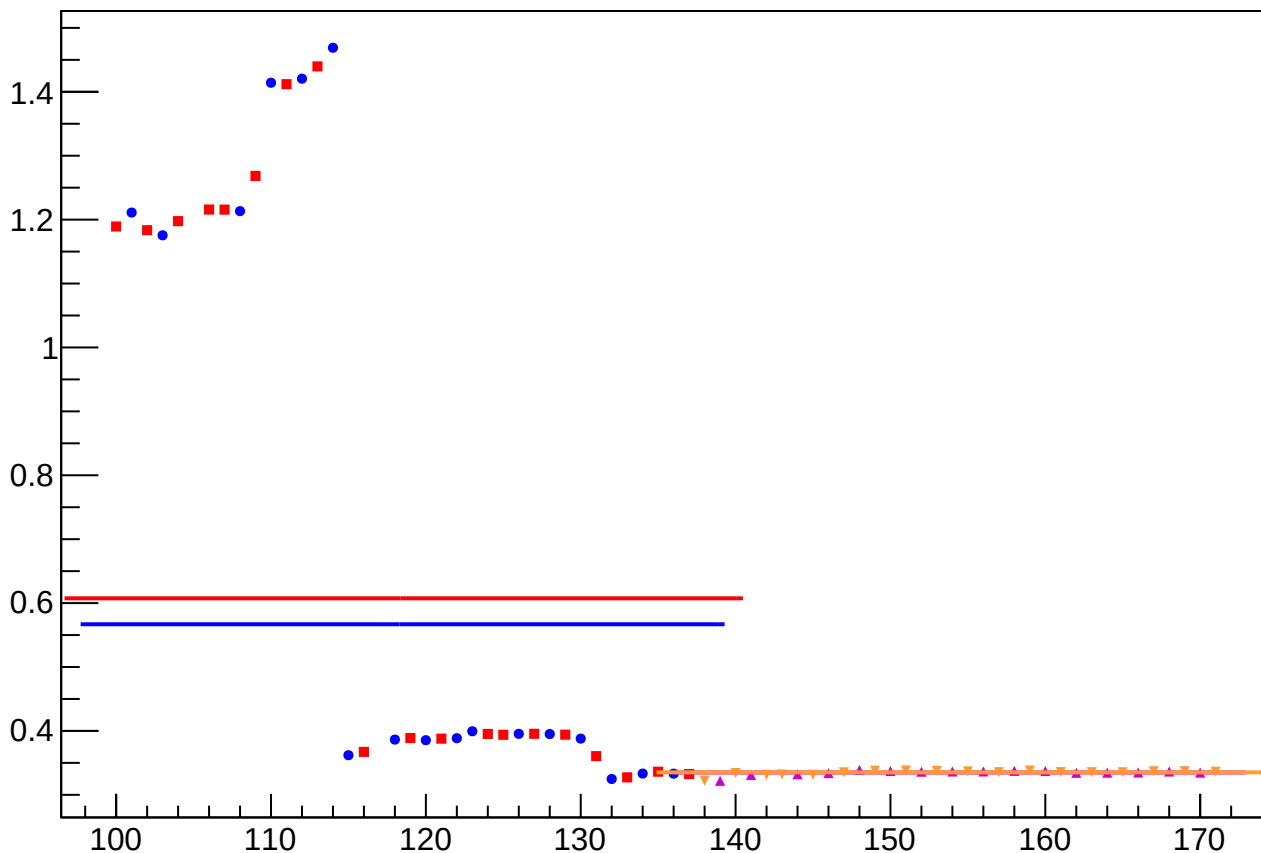
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:515475.1/15

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1630283.4/34

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3611486.4/69

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1970906.6/34

yield_bpm4eY_mean vs Slug



Right In: 0.567±0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.335±0.000 χ^2/NDF : 1130077.2/17

Right Out: 0.607±0.000 χ^2/NDF : 5505226431.3/18

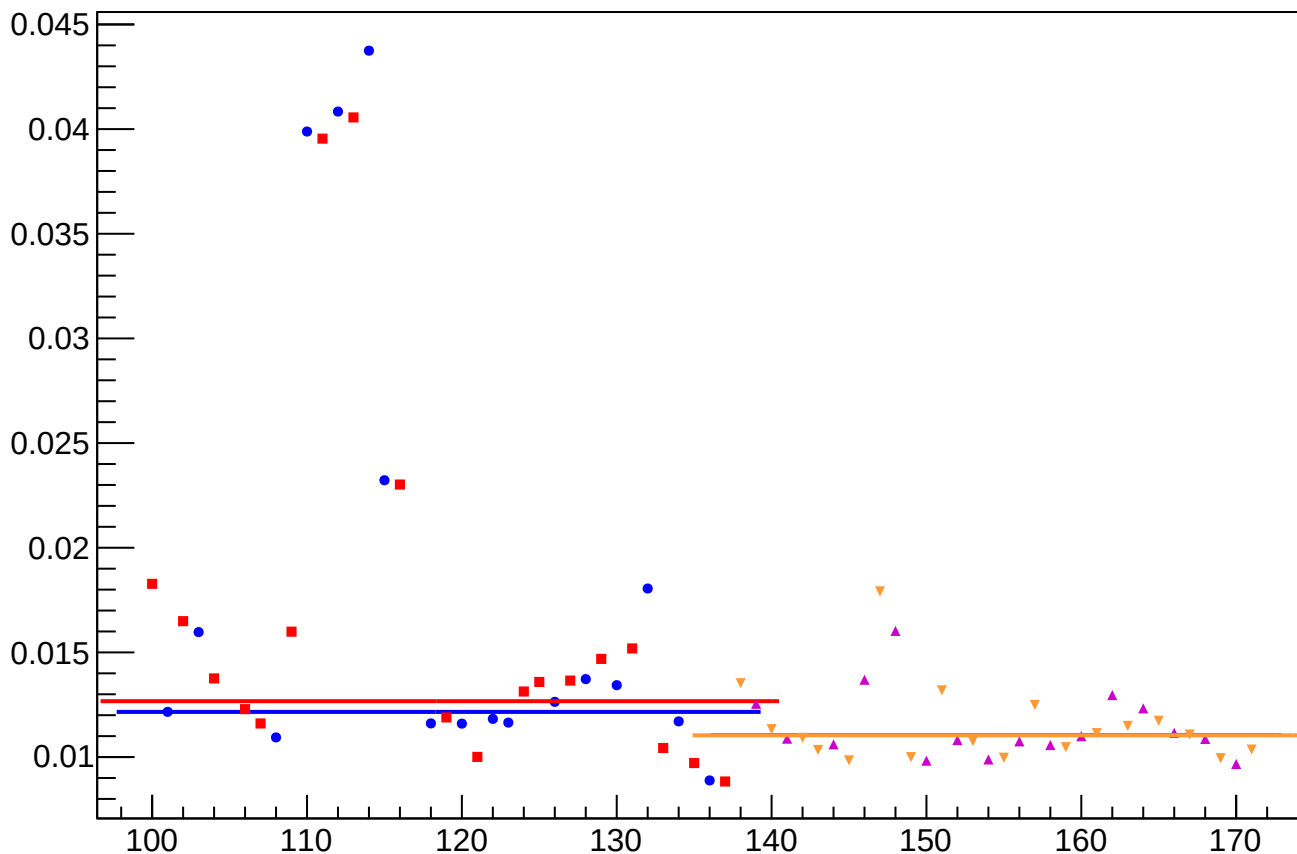
Left In: 0.335±0.000 χ^2/NDF : 1168867.8/15

+ sign 0.397±0.000 χ^2/NDF : 6513025057.0/34

All: 0.403±0.000 χ^2/NDF : 14008926843.0/6

- sign 0.410±0.000 χ^2/NDF : 7484466499.6/34

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:428346.5/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

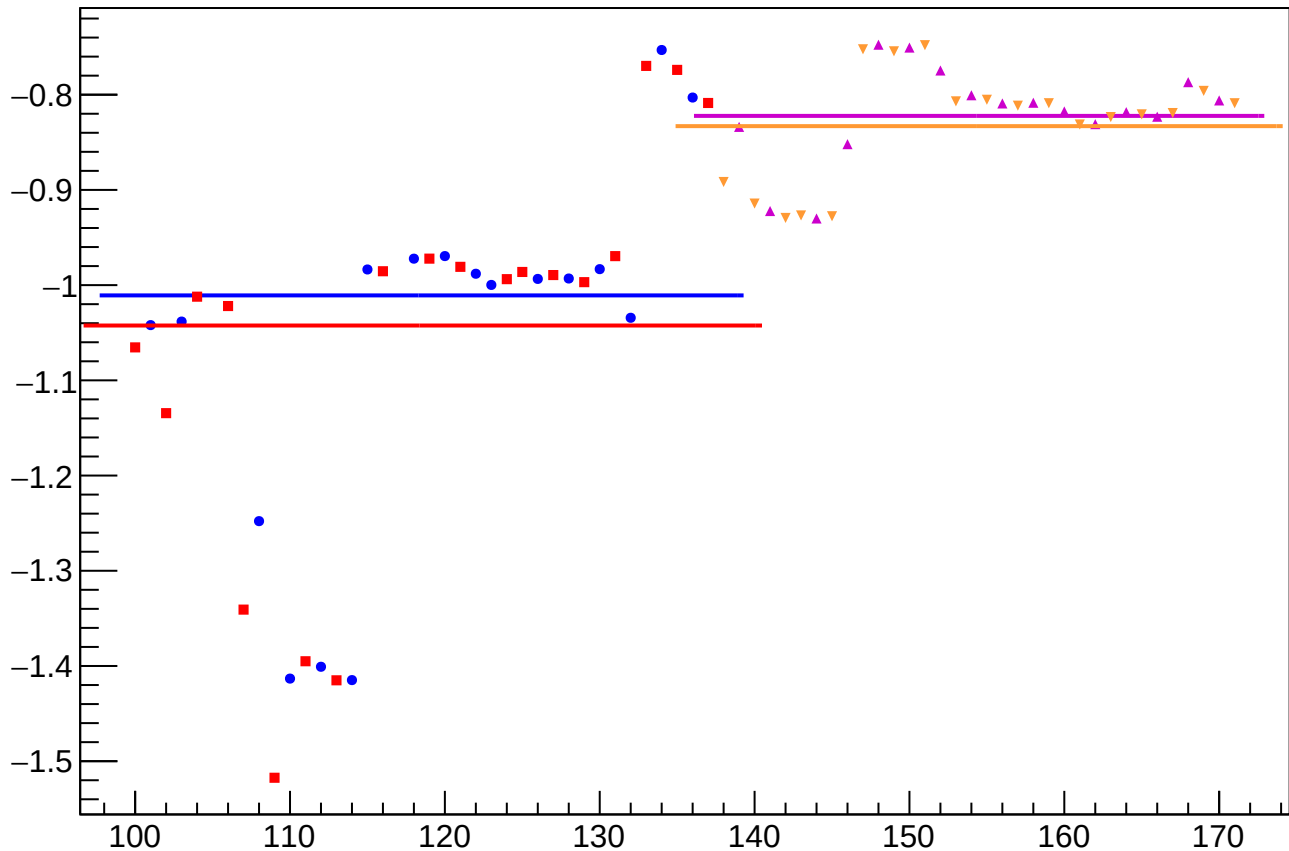
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:357636.1/15

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1805876.8/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3573281.8/69

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1763897.4/34

yield_bpm4acX_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.833+/-0.000 χ^2/NDF : 97620487.2/17

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

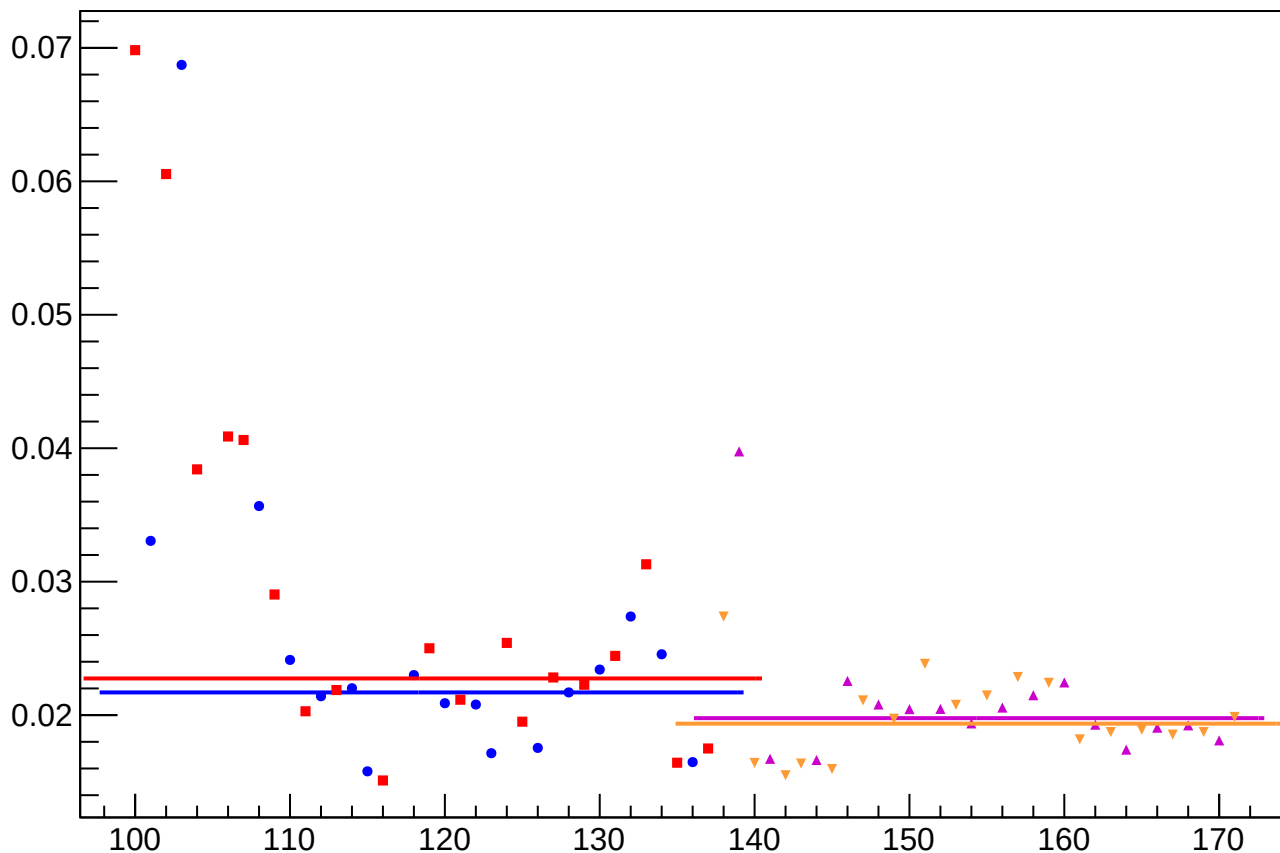
Left In: -0.822+/-0.000 χ^2/NDF : 73593016.2/15

+ sign -0.881+/-0.000 χ^2/NDF : 731049194.8/34

All: -0.883+/-0.000 χ^2/NDF : 1689352701.1/6

- sign -0.885+/-0.000 χ^2/NDF : 958025167.1/34

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 979293.5/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:396711.1/17

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152332.6/18

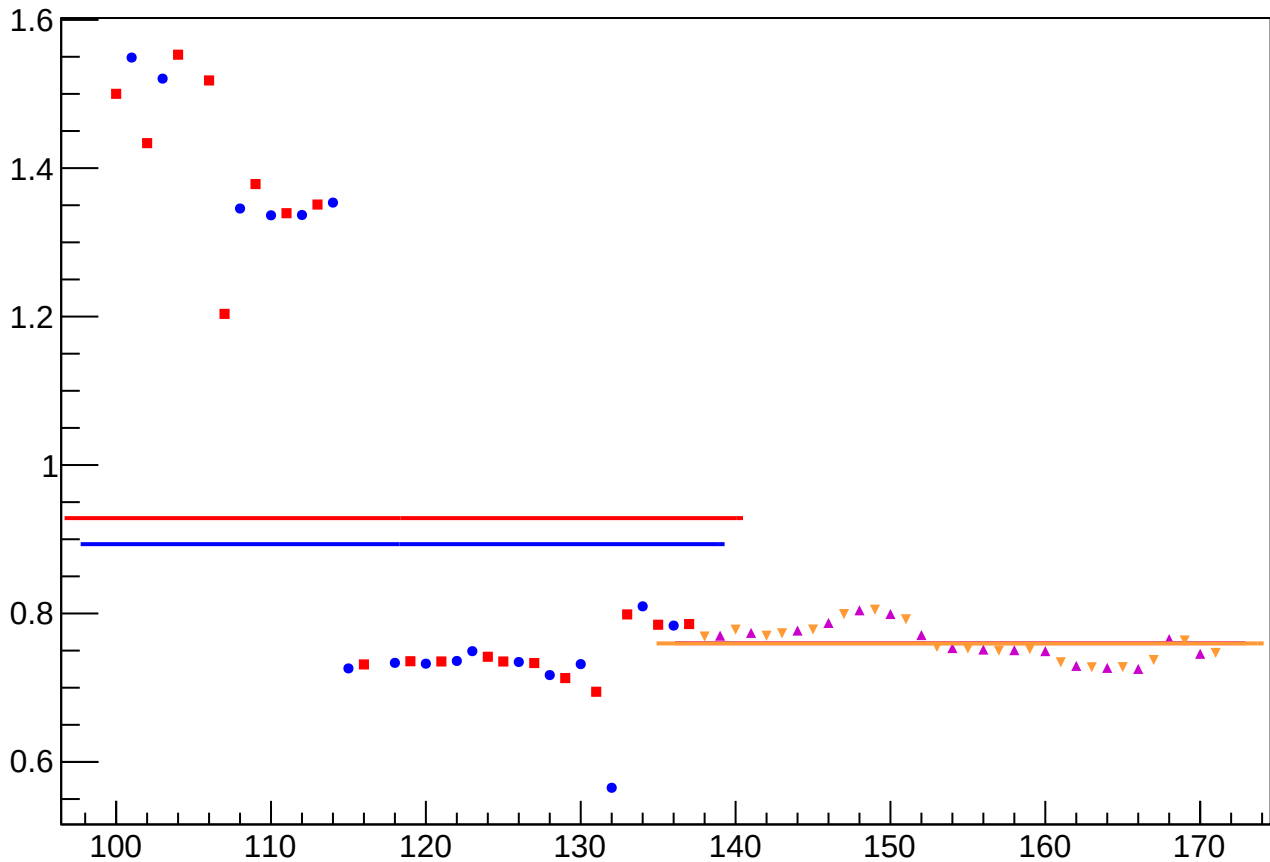
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:536244.9/15

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1461356.0/34

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3294470.0/69

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1818376.2/34

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.760+/-0.000 χ^2/NDF :37422966.9/17

Right Out: 0.928+/-0.000 χ^2/NDF : 2435640156.0/18

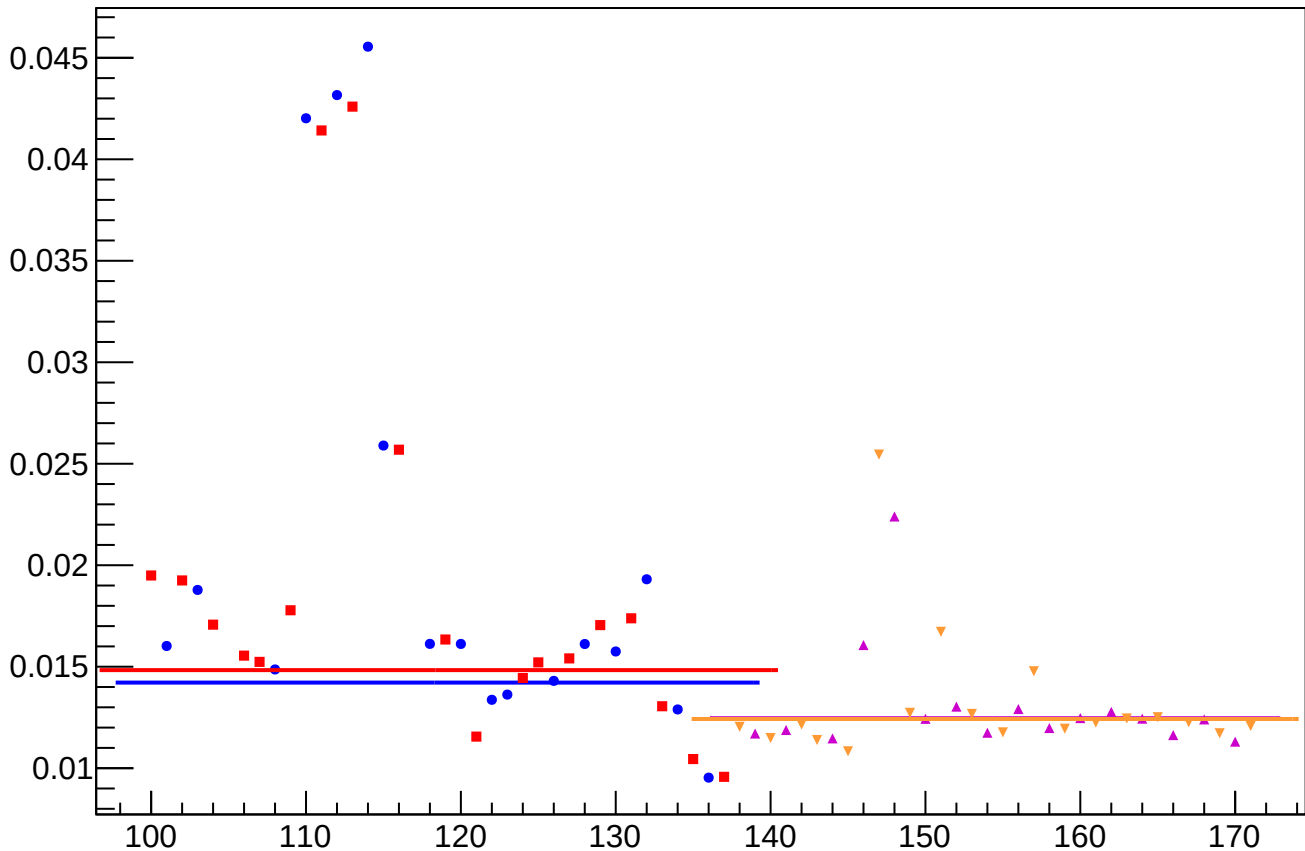
Left In: 0.760+/-0.000 χ^2/NDF :33992764.2/15

+ sign 0.793+/-0.000 χ^2/NDF : 2816259627.9/34

All: 0.798+/-0.000 χ^2/NDF : 5862353271.7/69

- sign 0.804+/-0.000 χ^2/NDF : 3039717831.9/34

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:592267.6/17

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1269559.2/18

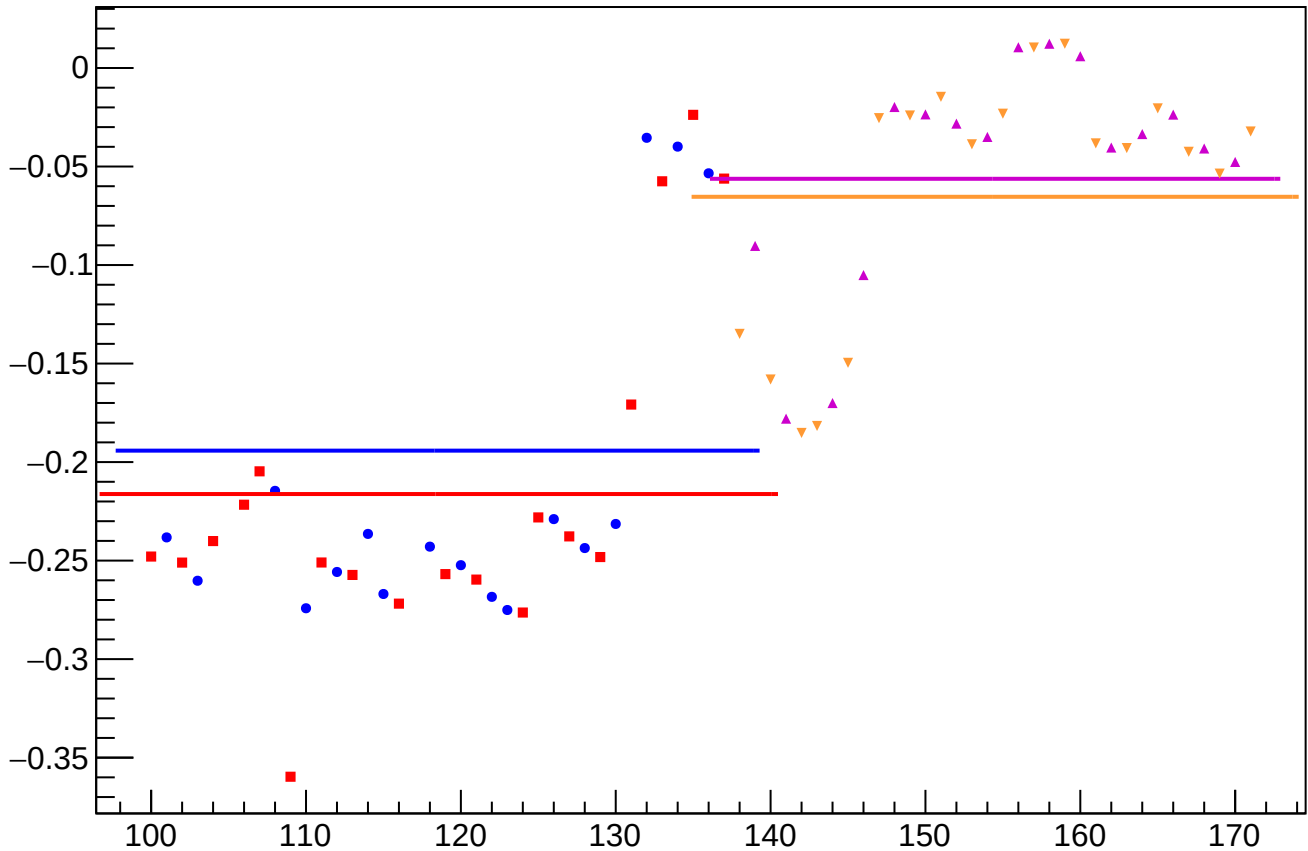
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:431126.6/15

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2135201.9/34

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4066066.2/69

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1926182.6/34

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.065+/-0.000 χ^2/NDF : 117173163.9/17

+ sign -0.105+/-0.000 χ^2/NDF : 378964613.8/34

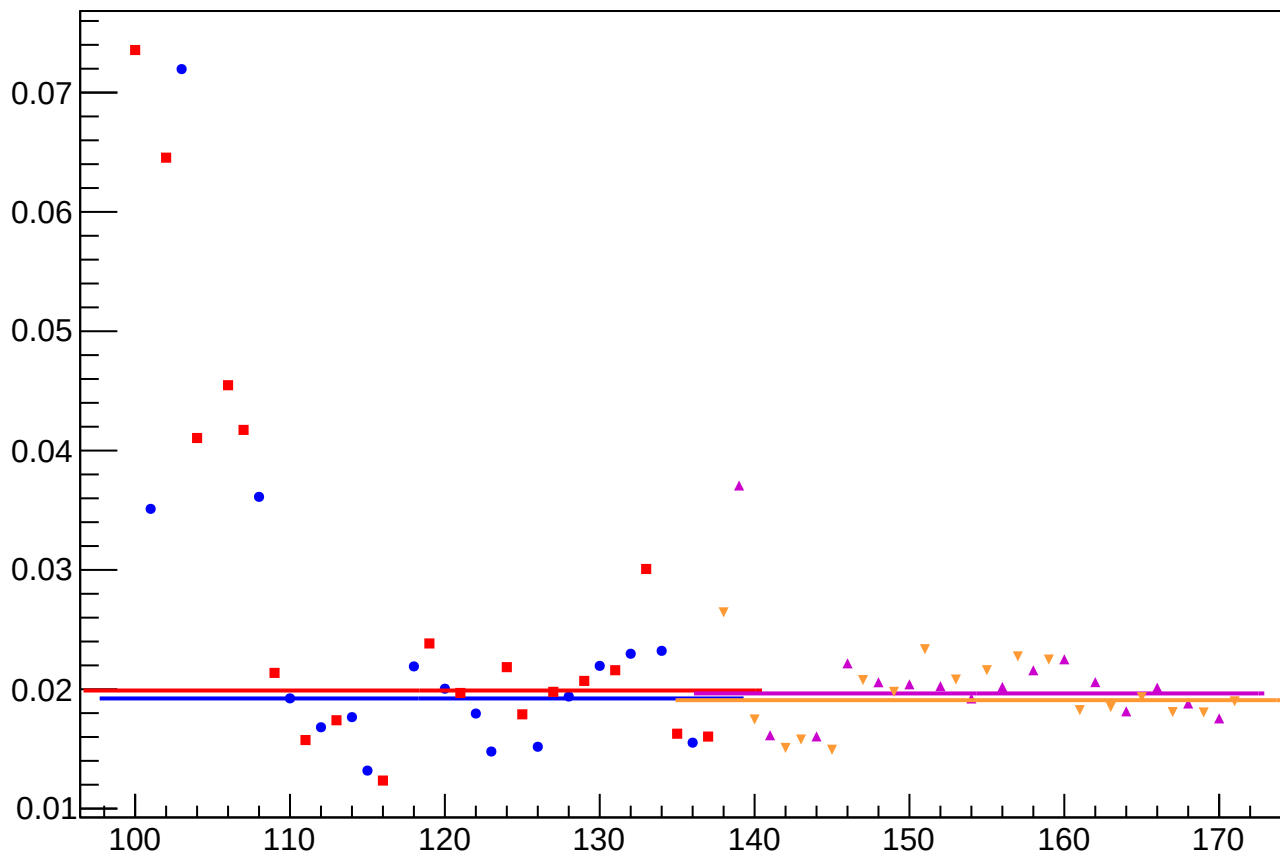
Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

All: -0.107+/-0.000 χ^2/NDF : 810874178.2/69

- sign -0.110+/-0.000 χ^2/NDF : 431546354.2/34

Left In: -0.056+/-0.000 χ^2/NDF : 97454047.3/15

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1174577.3/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 430745.7/17

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1444442.2/18

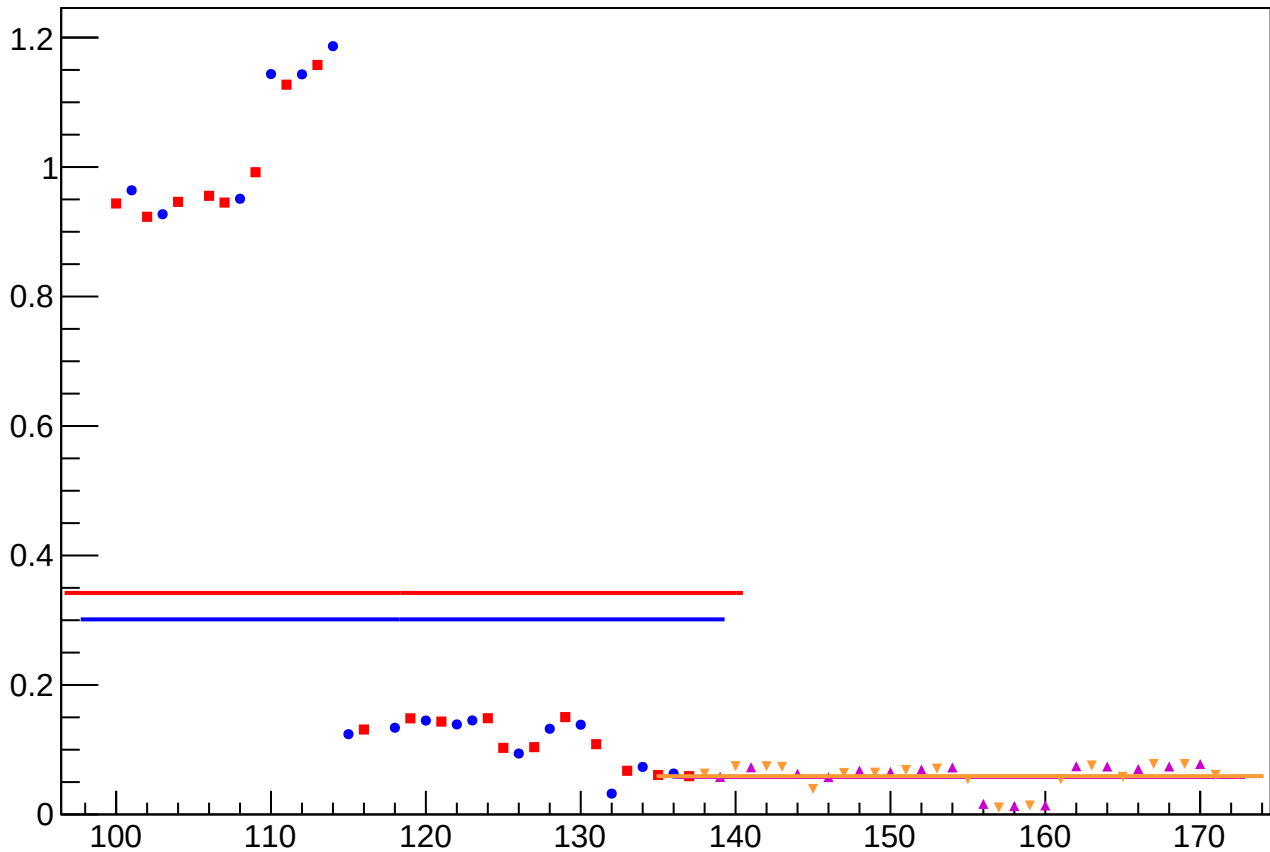
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 526575.5/15

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1605709.1/34

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3592673.2/69

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1972061.5/34

yield_bpm4ecY_mean vs Slug



Right In: 0.301 $\pm$ 0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.059 $\pm$ 0.000 χ^2/NDF : 43501129.1/17

Right Out: 0.342 $\pm$ 0.000 χ^2/NDF : 5442717599.3/18

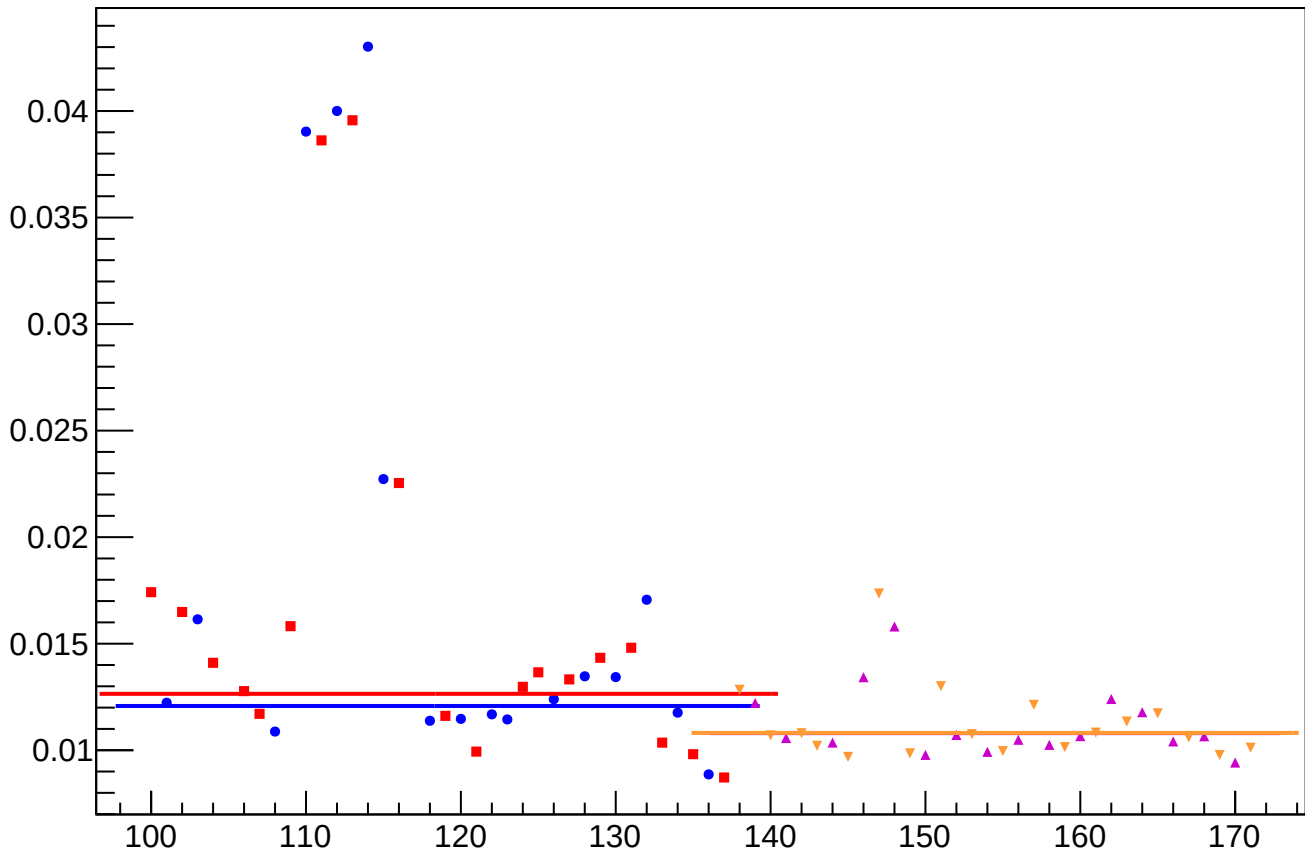
Left In: 0.058 $\pm$ 0.000 χ^2/NDF : 54807583.3/15

+ sign 0.122 $\pm$ 0.000 χ^2/NDF : 6867006307.4/34

All: 0.128 $\pm$ 0.000 χ^2/NDF : 14557648720.1/6

- sign 0.133 $\pm$ 0.000 χ^2/NDF : 7681456678.6/34

yield_bpm4ecY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 400444.5/17

Right Out: 0.013 ± 0.000 χ^2/NDF : 1236084.9/18

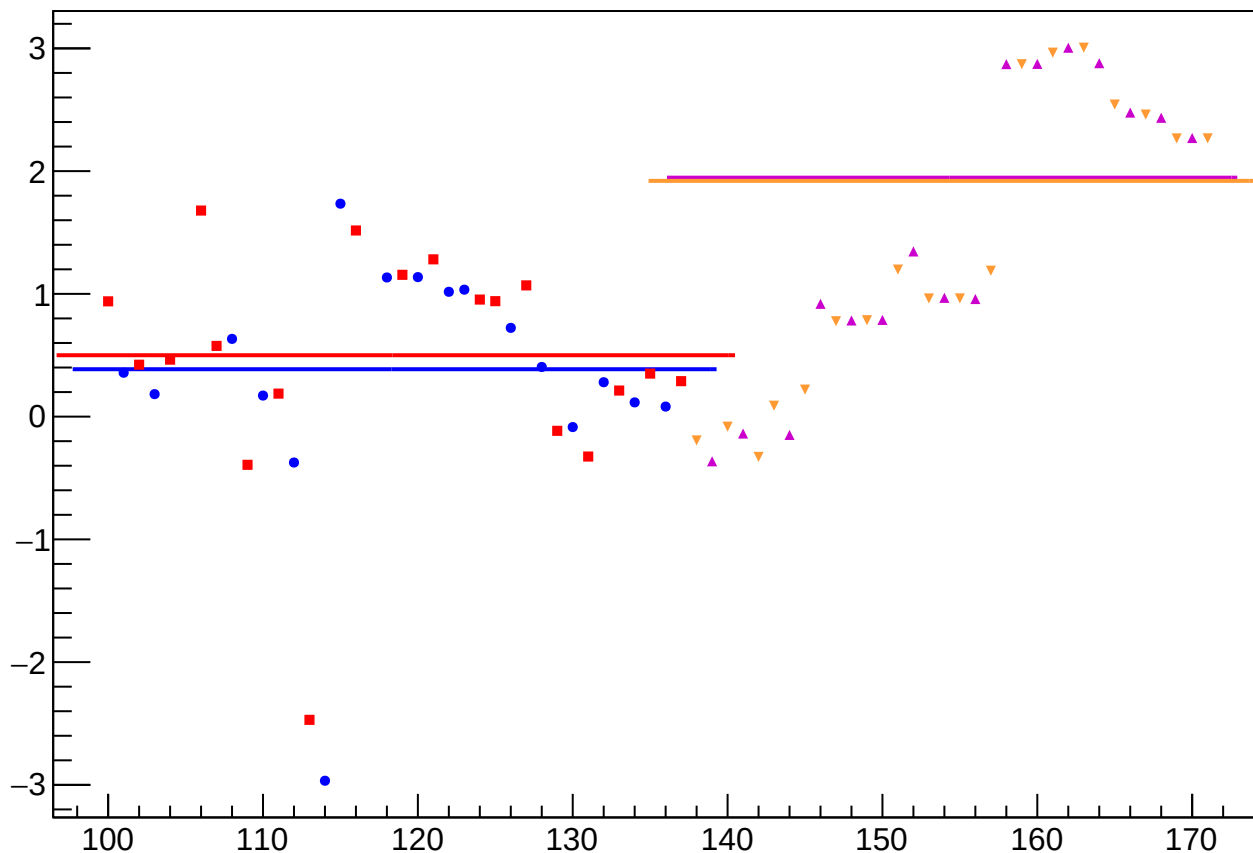
Left In: 0.011 ± 0.000 χ^2/NDF : 339338.2/15

+ sign 0.011 ± 0.000 χ^2/NDF : 1771712.1/34

All: 0.011 ± 0.000 χ^2/NDF : 3534292.7/69

- sign 0.011 ± 0.000 χ^2/NDF : 1759319.3/34

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.921+/-0.000 χ^2/NDF : 27099137809.0/17

Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

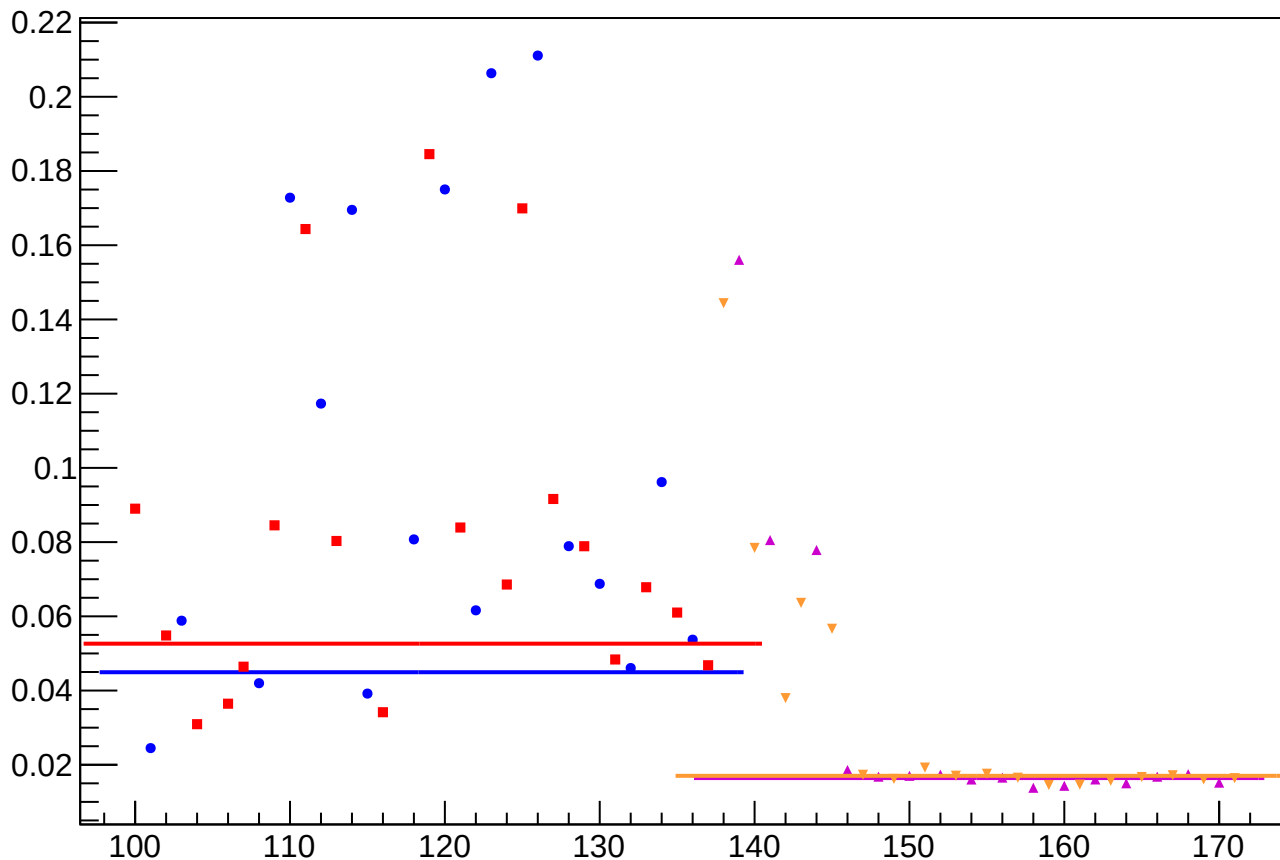
Left In: 1.947+/-0.000 χ^2/NDF : 28105225477.4/15

+ sign 1.845+/-0.000 χ^2/NDF : 31256747066.9/34

All: 1.866+/-0.000 χ^2/NDF : 63359123071.3/6

- sign 1.886+/-0.000 χ^2/NDF : 32072308981.9/34

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2741988.0/17

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

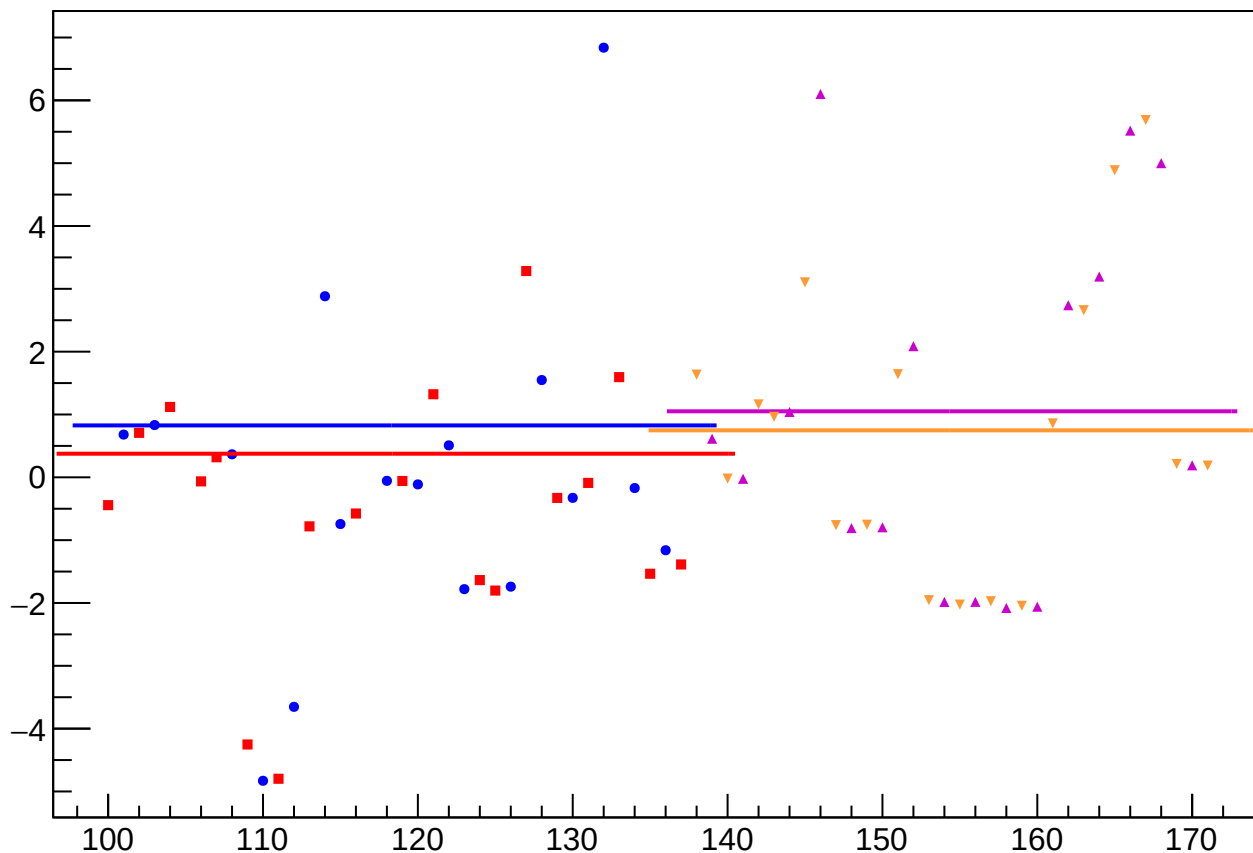
Left In: 0.016+/-0.000 χ^2/NDF : 2416699.9/15

+ sign 0.018+/-0.000 χ^2/NDF : 8119413.5/34

All: 0.018+/-0.000 χ^2/NDF : 16476107.2/69

- sign 0.018+/-0.000 χ^2/NDF : 8349017.3/34

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.748+/-0.000 χ^2/NDF : 364726787987.1/17

Right Out: 0.376+/-0.000 χ^2/NDF : 4947158634.2/18

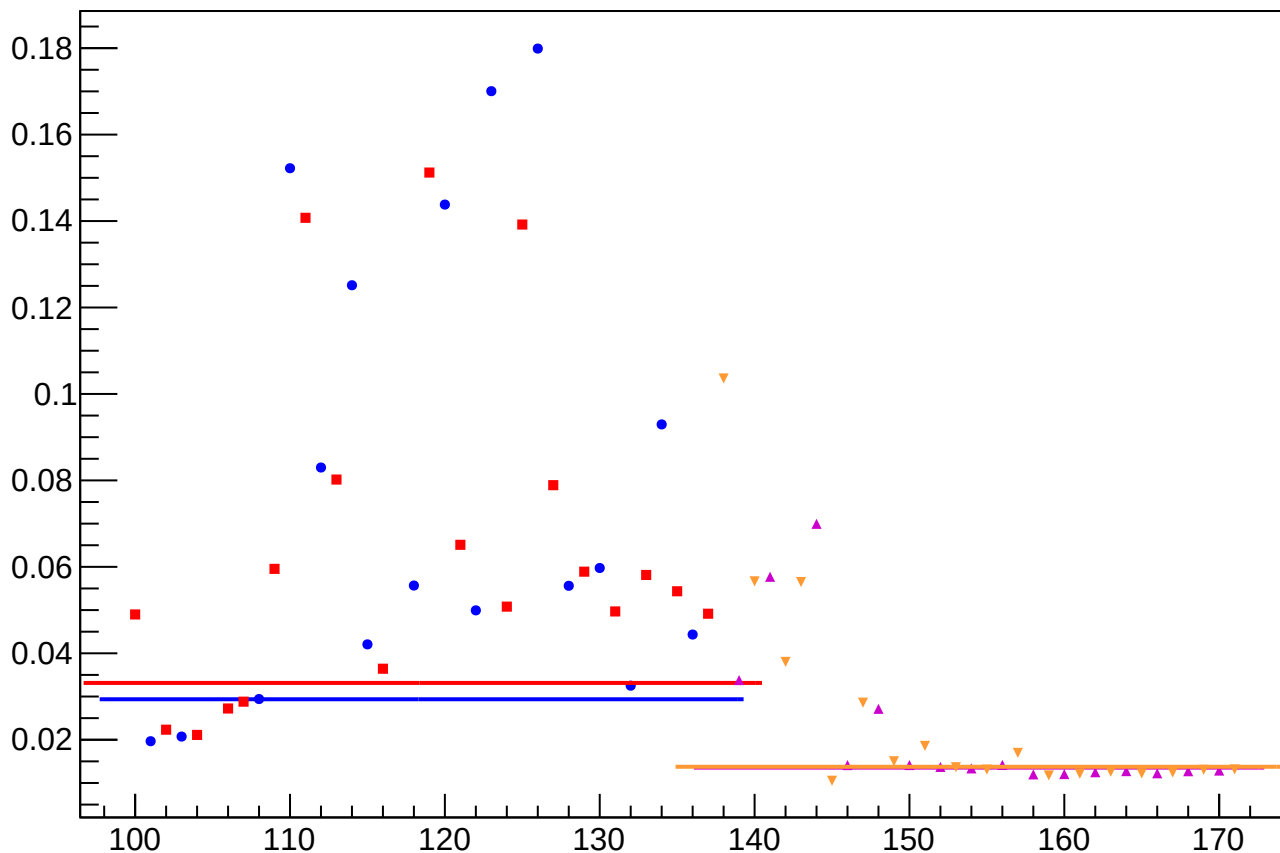
Left In: 1.051+/-0.000 χ^2/NDF : 478909682520.4/15

+ sign 0.753+/-0.000 χ^2/NDF : 375694650586.1/34

All: 0.881+/-0.000 χ^2/NDF : 862976131624.7

- sign 1.010+/-0.000 χ^2/NDF : 485352500374.1/34

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.014+/-0.000 χ^2/NDF :2844930.7/17

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

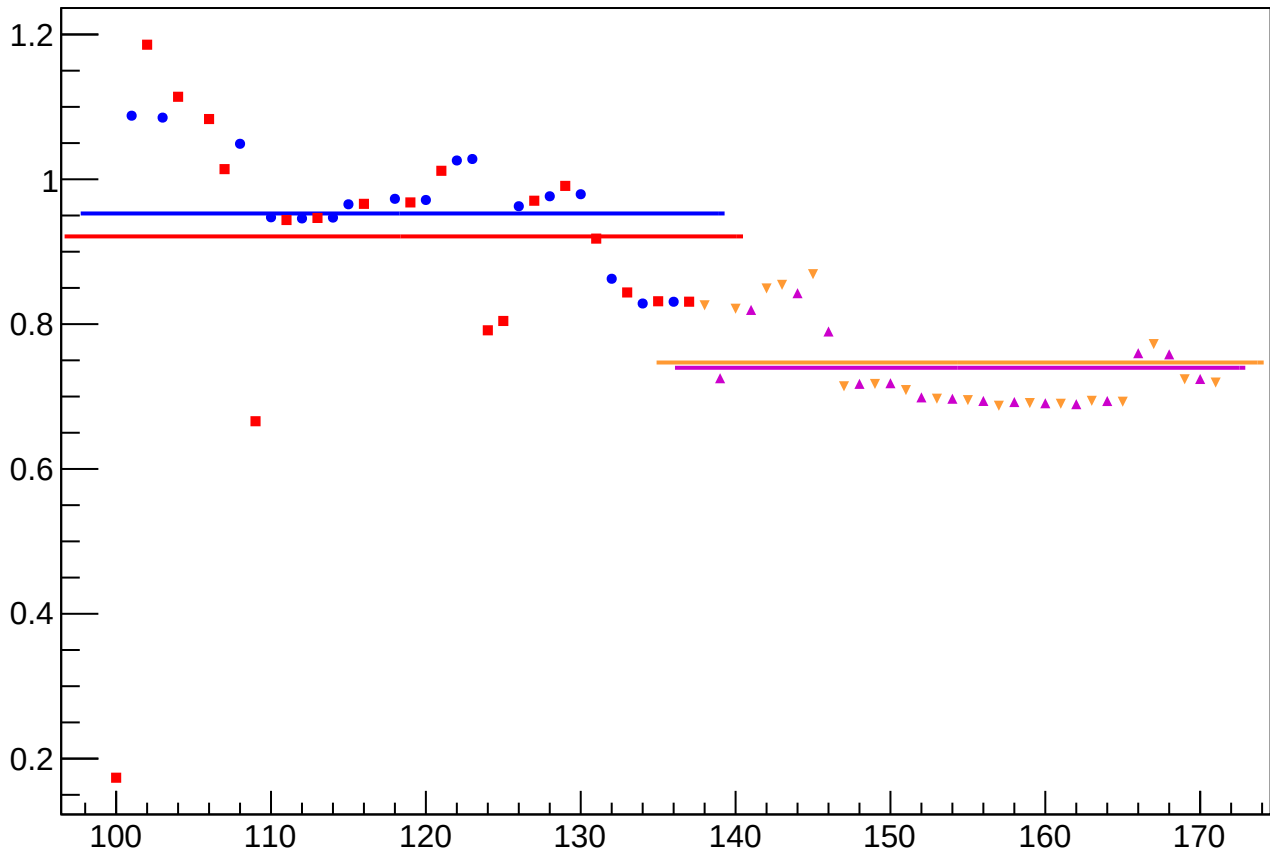
Left In: 0.014+/-0.000 χ^2/NDF :1894773.4/15

+ sign 0.015+/-0.000 χ^2/NDF : 7622736.2/34

All: 0.015+/-0.000 χ^2/NDF : 15136338.5/69

- sign 0.015+/-0.000 χ^2/NDF : 7513408.6/34

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.747 $\pm$ 0.000 χ^2 /NDF:265391353.5/17

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

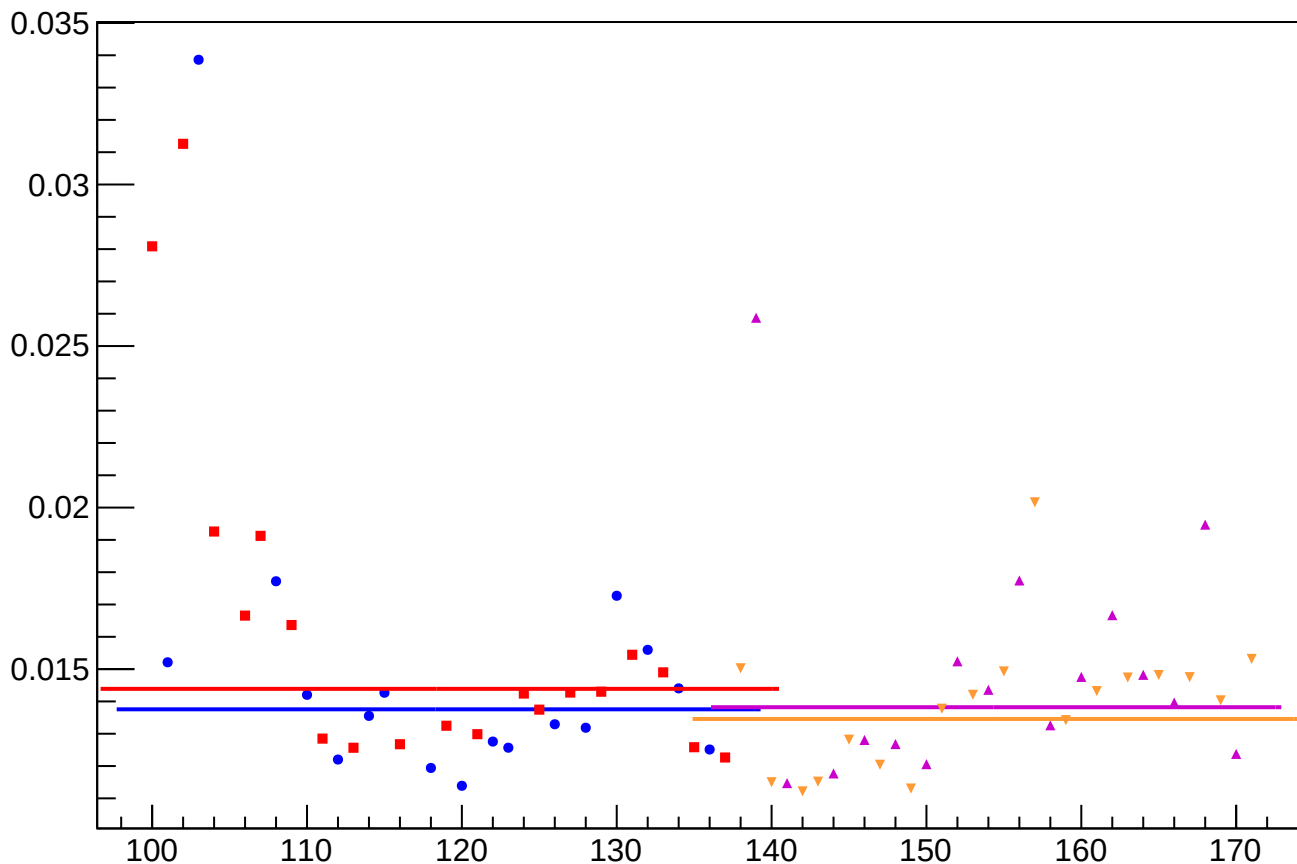
Left In: 0.740 $\pm$ 0.000 χ^2 /NDF:157814928.8/15

+ sign 0.813 $\pm$ 0.000 χ^2 /NDF: 1317702231.8/34

All: 0.807 $\pm$ 0.000 χ^2 /NDF: 2495595001.1/69

- sign 0.801 $\pm$ 0.000 χ^2 /NDF: 1171567427.7/34

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538469.4/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 396041.1/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 503813.0/18

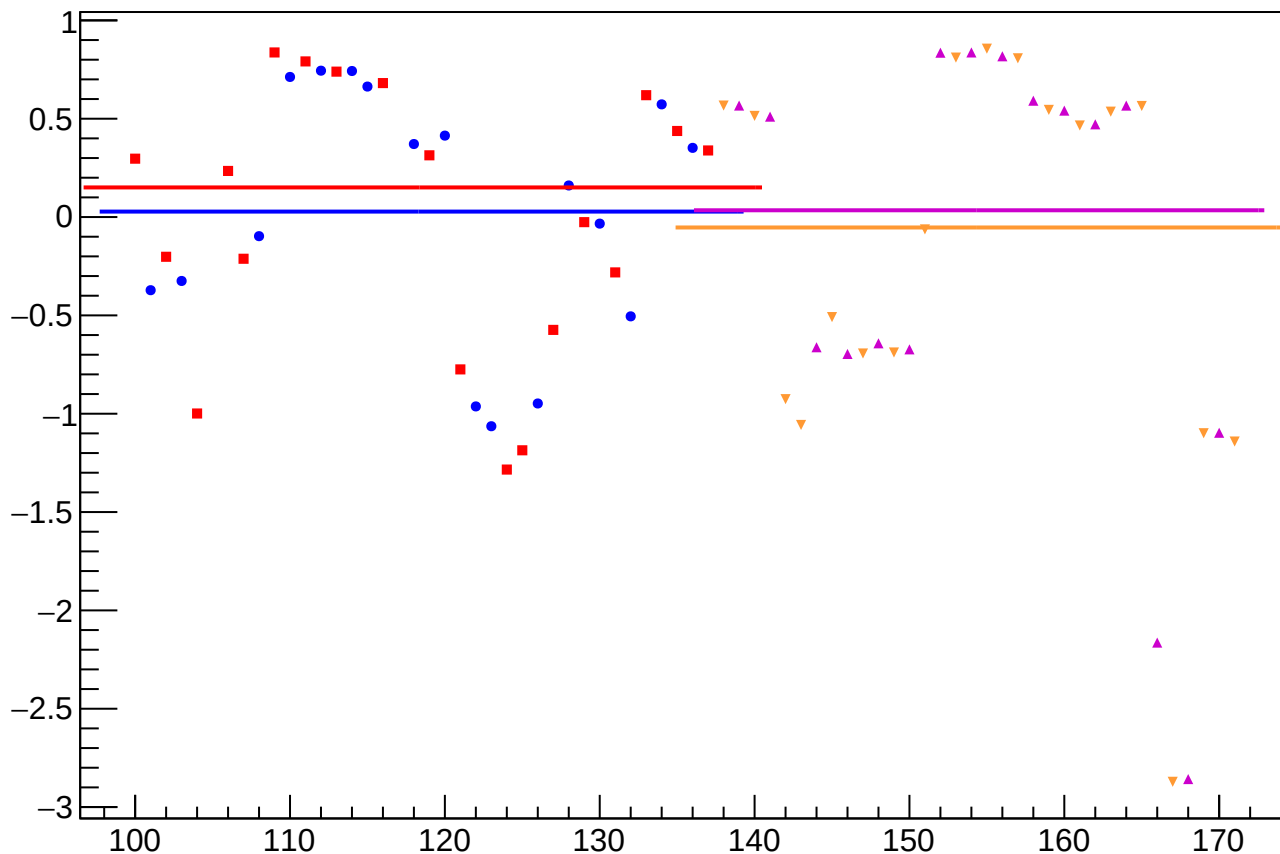
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 750732.4/15

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 938192.9/34

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2224545.3/69

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1267115.8/34

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: -0.053+/-0.000 χ^2/NDF : 72209593641.9/17

Right Out: 0.151+/-0.000 χ^2/NDF : 12653743155.9/18

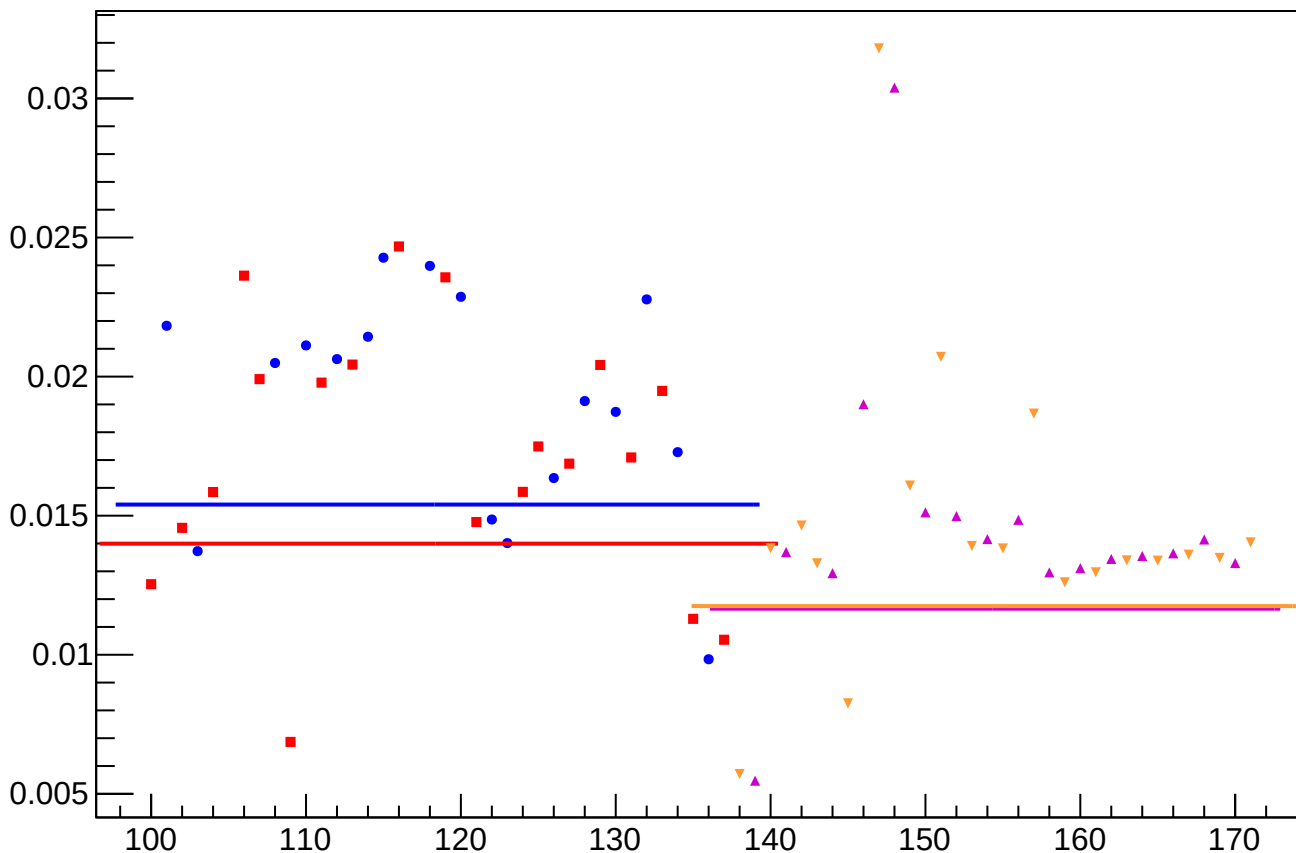
Left In: 0.034+/-0.000 χ^2/NDF : 77990237246.4/15

+ sign -0.035+/-0.000 χ^2/NDF : 78606132478.0/34

All: 0.016+/-0.000 χ^2/NDF : 170065496610.7

- sign 0.066+/-0.000 χ^2/NDF : 90925167318.6/34

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1141655.8/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3016952.3/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1561550.9/18

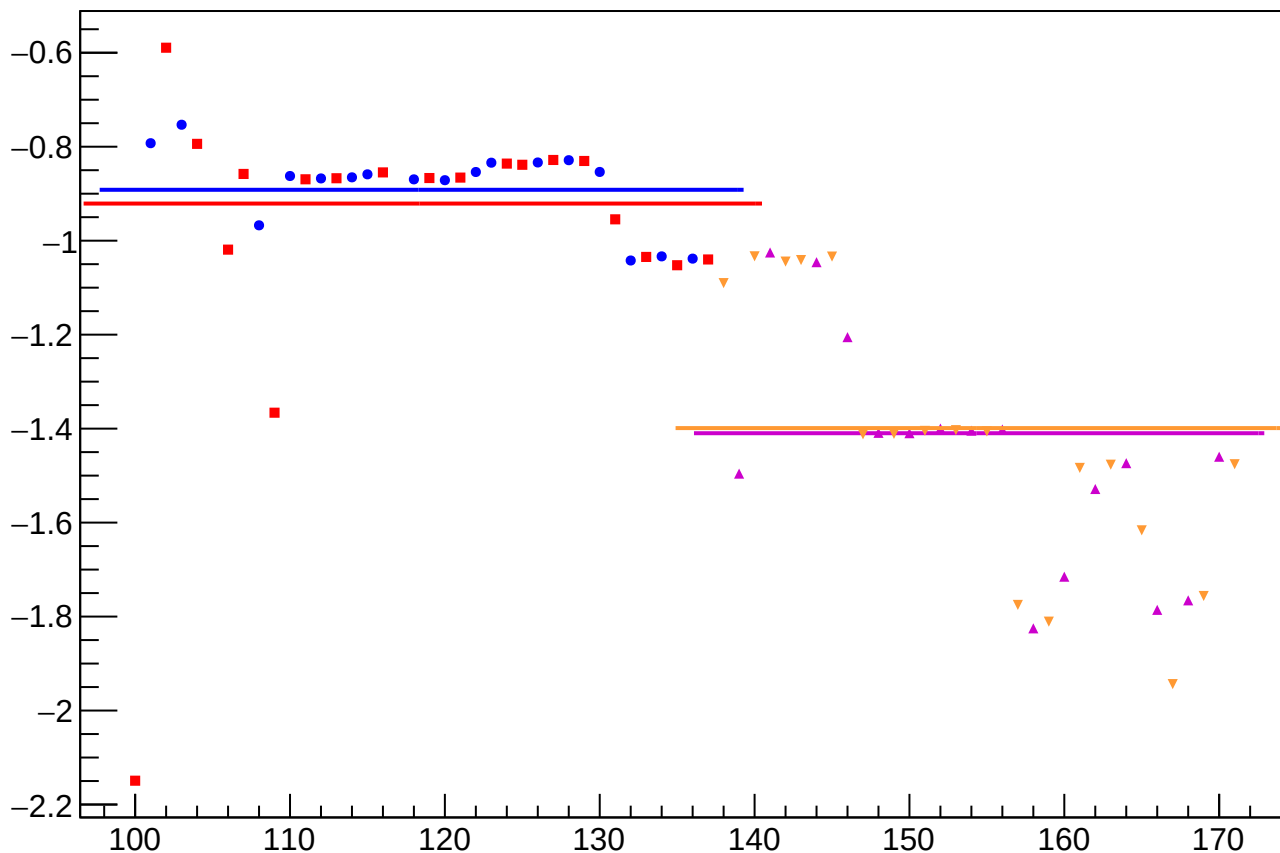
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3033003.9/15

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4646529.1/34

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 9477340.6/69

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4822453.8/34

yield_bpm12X_mean vs Slug



Right In: -0.892 ± 0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.399 ± 0.000 χ^2/NDF : 714290327.0/17

Right Out: -0.921 ± 0.000 χ^2/NDF : 131159330.1/18

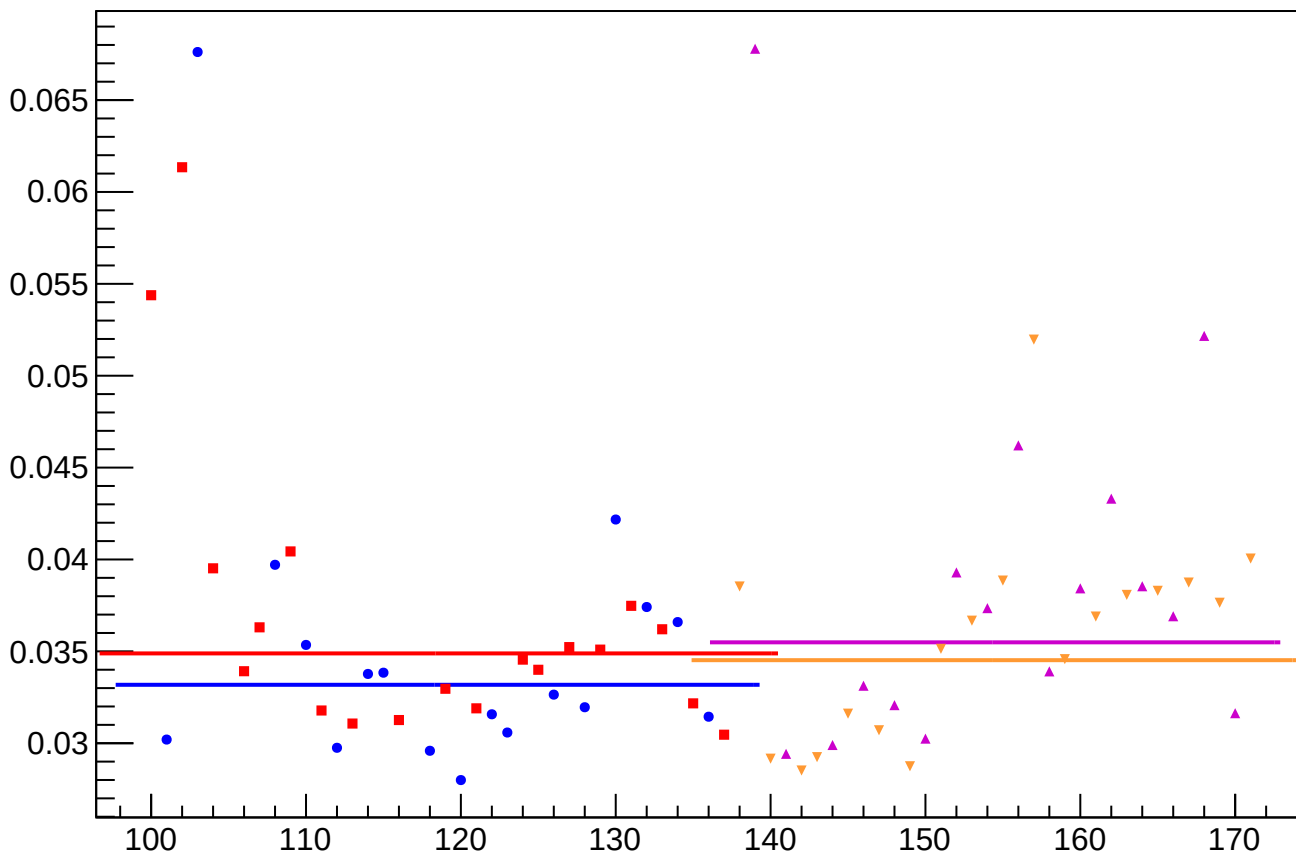
Left In: -1.410 ± 0.000 χ^2/NDF : 511150351.5/15

+ sign -1.221 ± 0.000 χ^2/NDF : 1634753575.2/34

All: -1.225 ± 0.000 χ^2/NDF : 3038884135.6/6

- sign -1.229 ± 0.000 χ^2/NDF : 1403579167.6/34

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 400106.0/16

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:451841.0/17

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 275013.9/18

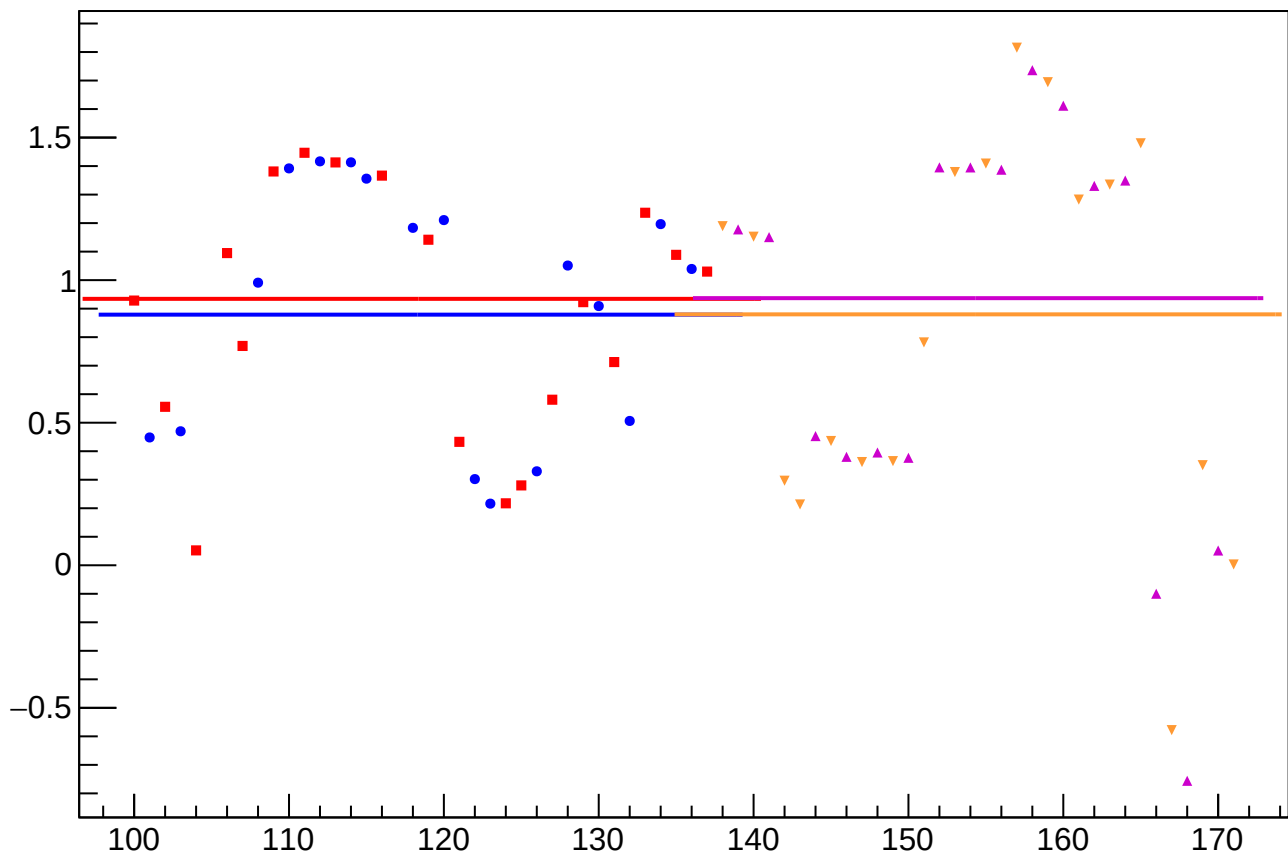
Left In: 0.035 $\pm$ 0.000 χ^2 /NDF:835888.7/15

+ sign 0.034 $\pm$ 0.000 χ^2 /NDF: 864238.6/34

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 1998753.6/69

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1113217.3/34

yield_bpm12Y_mean vs Slug



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.880+/-0.000 χ^2/NDF : 63237776616.4/17

Right Out: 0.934+/-0.000 χ^2/NDF : 9827120184.9/18

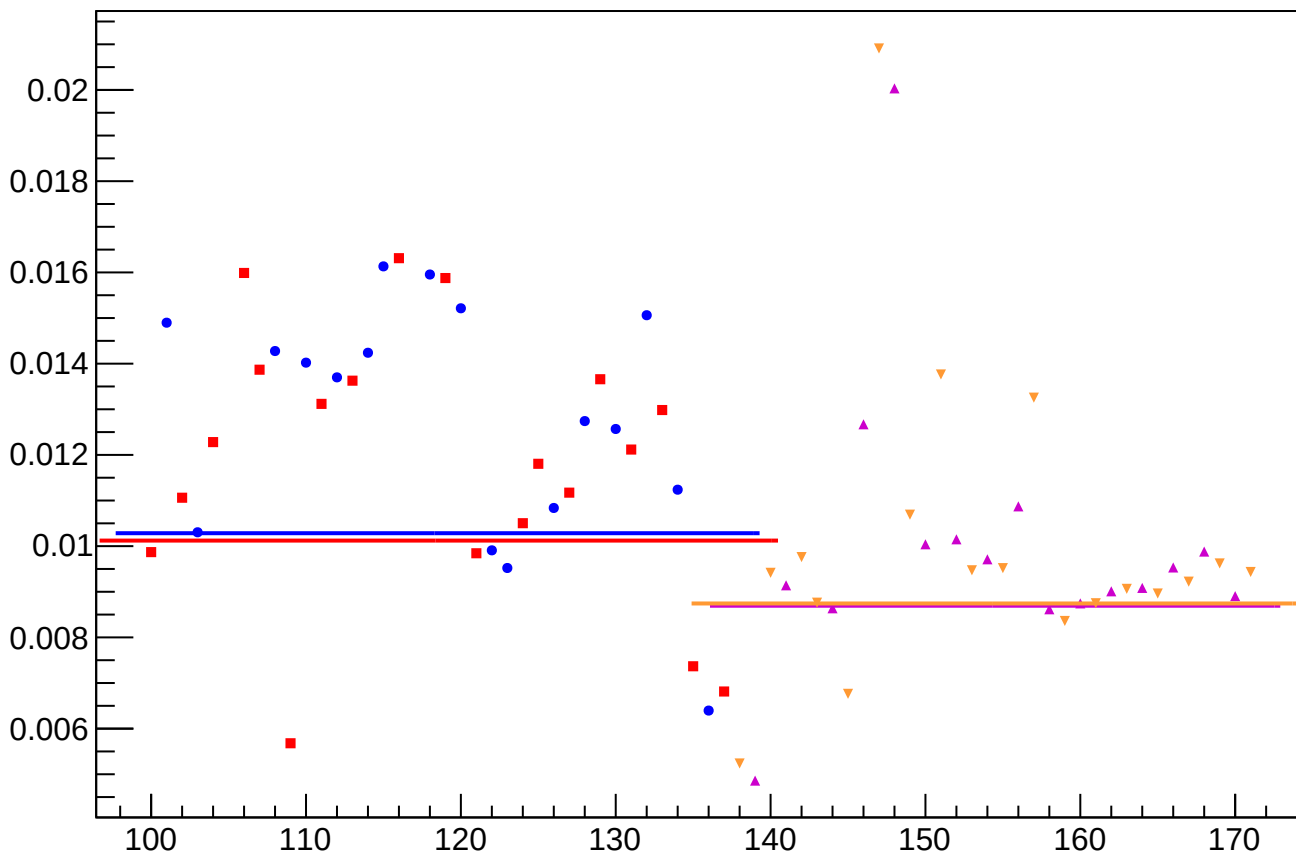
Left In: 0.937+/-0.000 χ^2/NDF : 65097285417.3/15

+ sign 0.880+/-0.000 χ^2/NDF : 69609423977.8/34

All: 0.908+/-0.000 χ^2/NDF : 144862842724.9

- sign 0.936+/-0.000 χ^2/NDF : 74924644519.5/34

yield_bpm12Y_rms vs Slug



Right In: 0.010 ± 0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.009 ± 0.000 χ^2/NDF : 1688698.9/17

Right Out: 0.010 ± 0.000 χ^2/NDF : 1176642.1/18

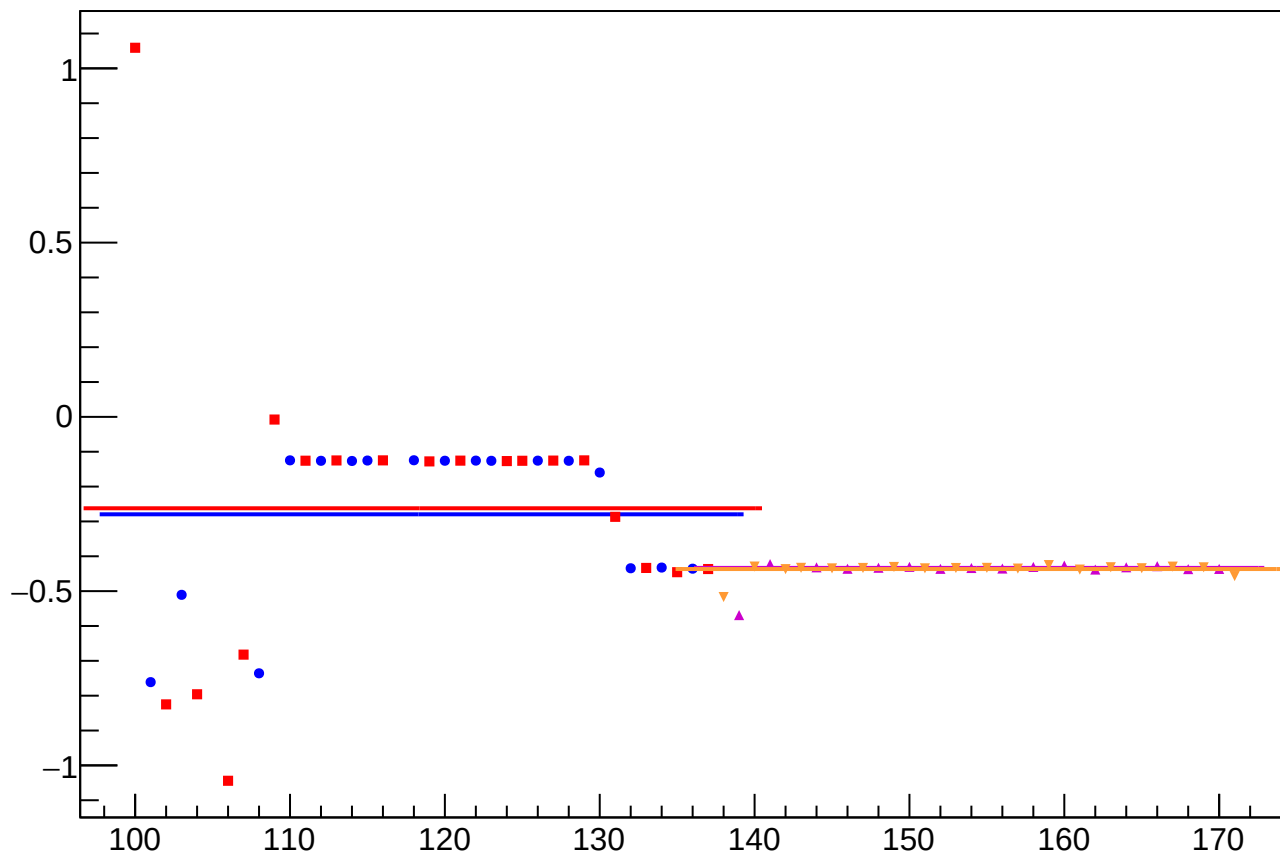
Left In: 0.009 ± 0.000 χ^2/NDF : 1653785.7/15

+ sign 0.009 ± 0.000 χ^2/NDF : 3083077.6/34

All: 0.009 ± 0.000 χ^2/NDF : 6081284.1/69

- sign 0.009 ± 0.000 χ^2/NDF : 2997921.9/34

yield_bpm16X_mean vs Slug



Right In: -0.280+/-0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.437+/-0.000 χ^2/NDF : 28636794.7/17

Right Out: -0.262+/-0.000 χ^2/NDF : 1006263824.6/18

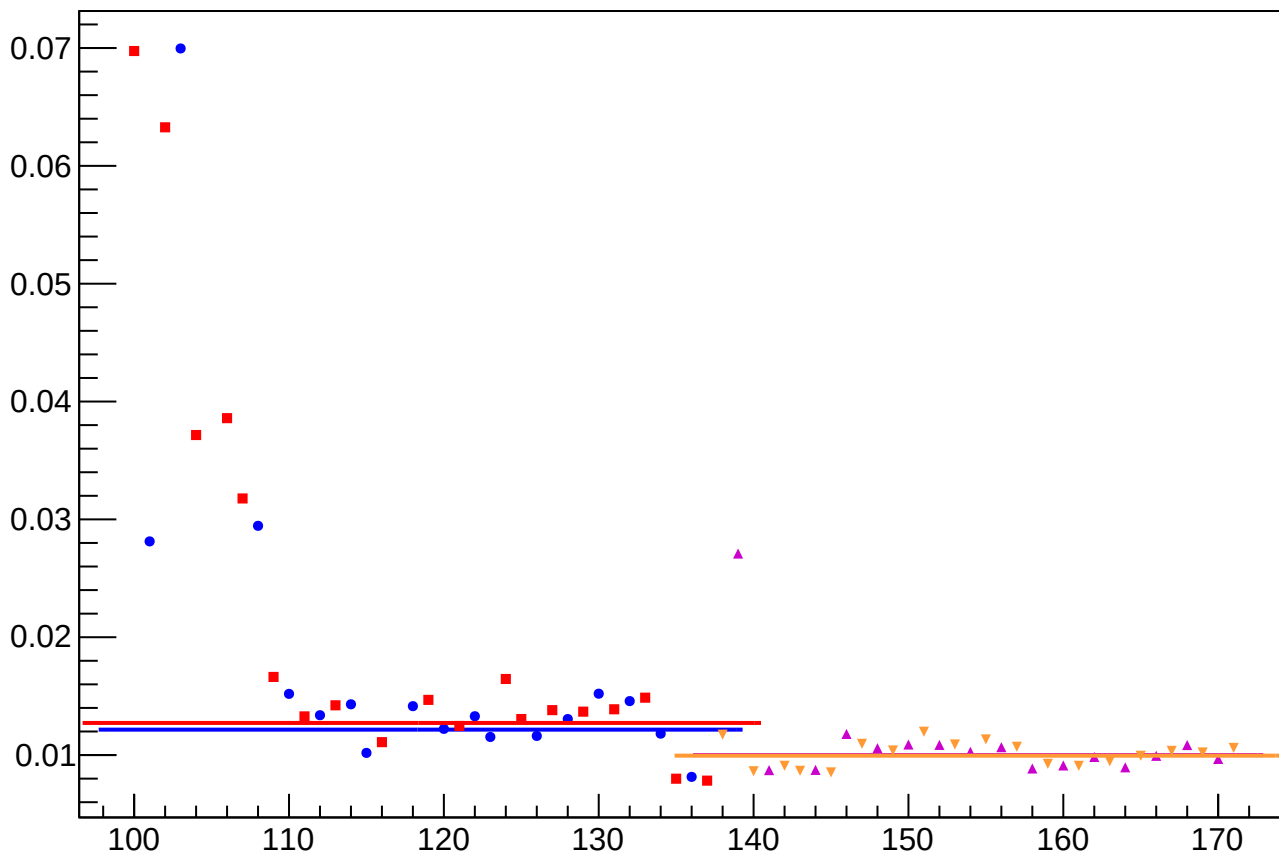
Left In: -0.433+/-0.000 χ^2/NDF : 19793468.0/15

+ sign -0.403+/-0.000 χ^2/NDF : 1566442356.6/34

All: -0.399+/-0.000 χ^2/NDF : 3275361425.8/6

- sign -0.395+/-0.000 χ^2/NDF : 1705054520.6/34

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:235367.0/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

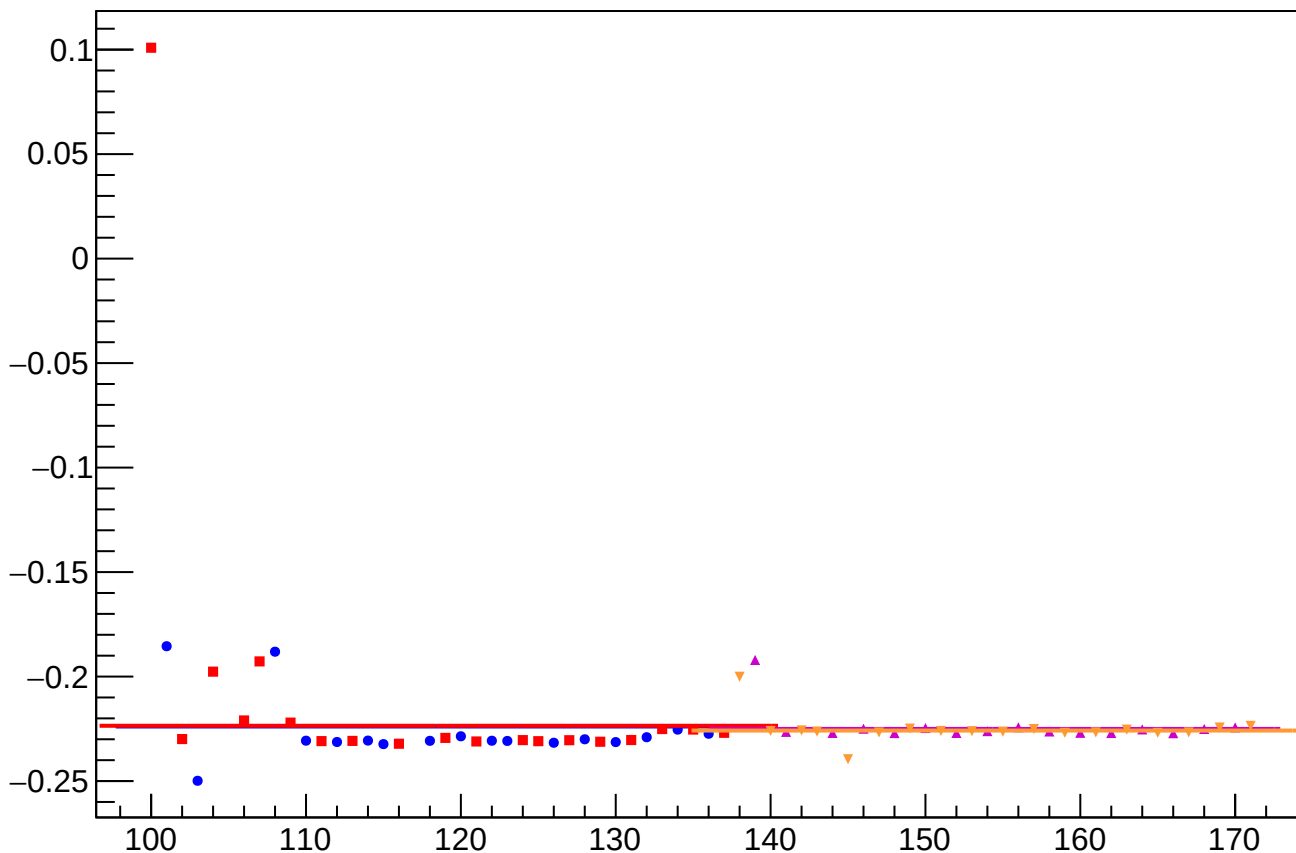
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:742096.5/15

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2198566.0/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5257322.4/69

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3054301.7/34

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20834519.5/17

Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

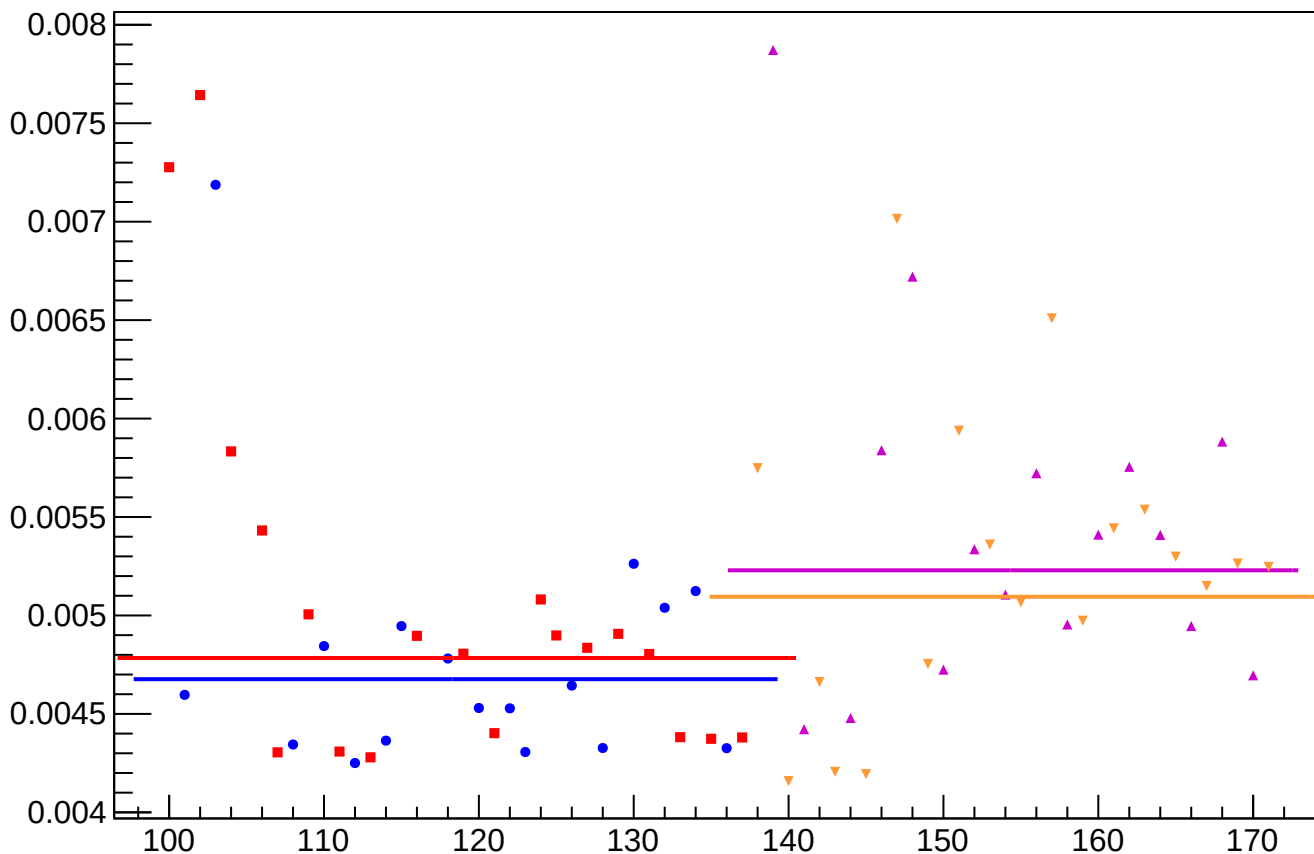
Left In: -0.225+/-0.000 χ^2/NDF : 12854420.6/15

+ sign -0.225+/-0.000 χ^2/NDF : 96098685.4/34

All: -0.225+/-0.000 χ^2/NDF : 277626403.9/69

- sign -0.224+/-0.000 χ^2/NDF : 181364592.4/34

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 452554.0/17

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

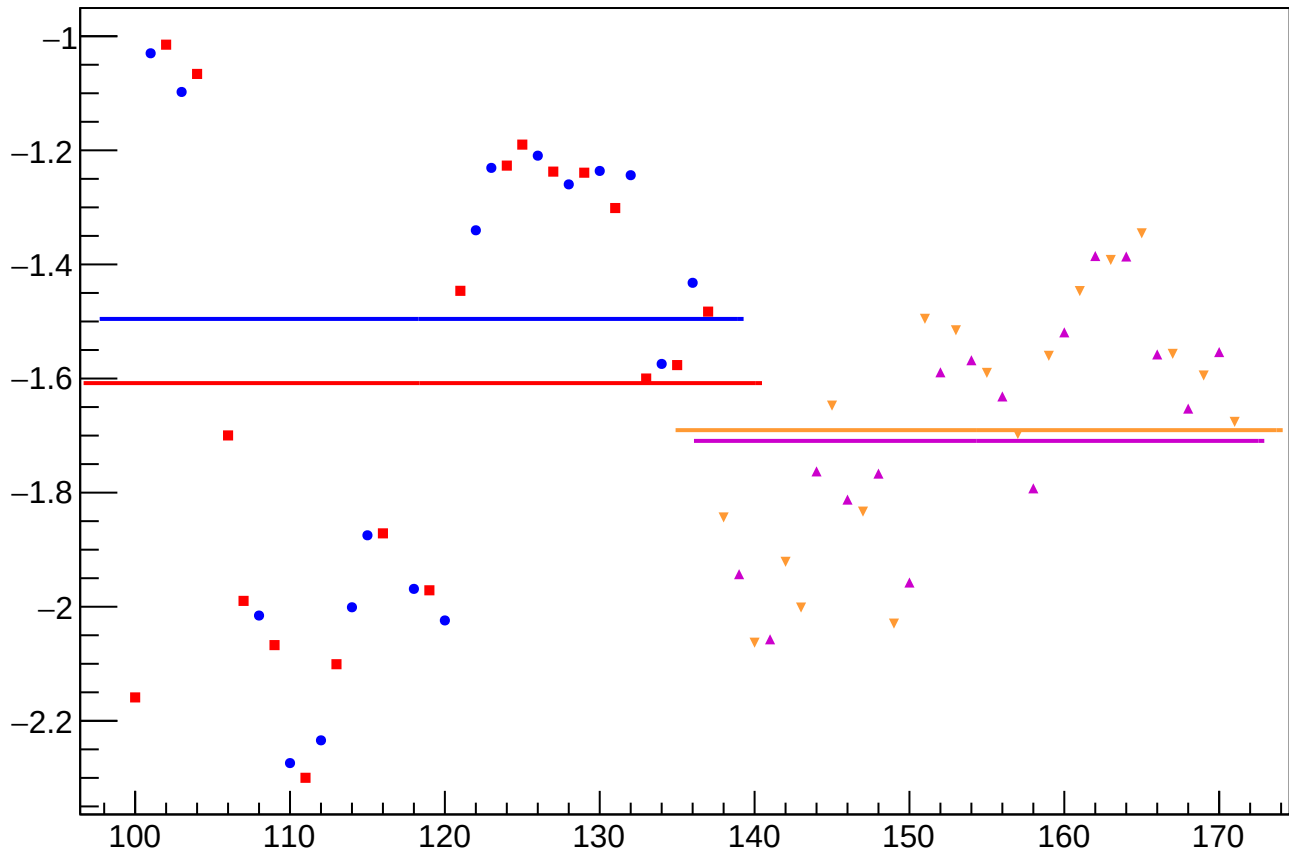
Left In: 0.005+/-0.000 χ^2/NDF : 436042.2/15

+ sign 0.005+/-0.000 χ^2/NDF : 694472.8/34

All: 0.005+/-0.000 χ^2/NDF : 1454583.0/69

- sign 0.005+/-0.000 χ^2/NDF : 751278.1/34

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.690+/-0.000 χ^2/NDF : 15733082276.3/17

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

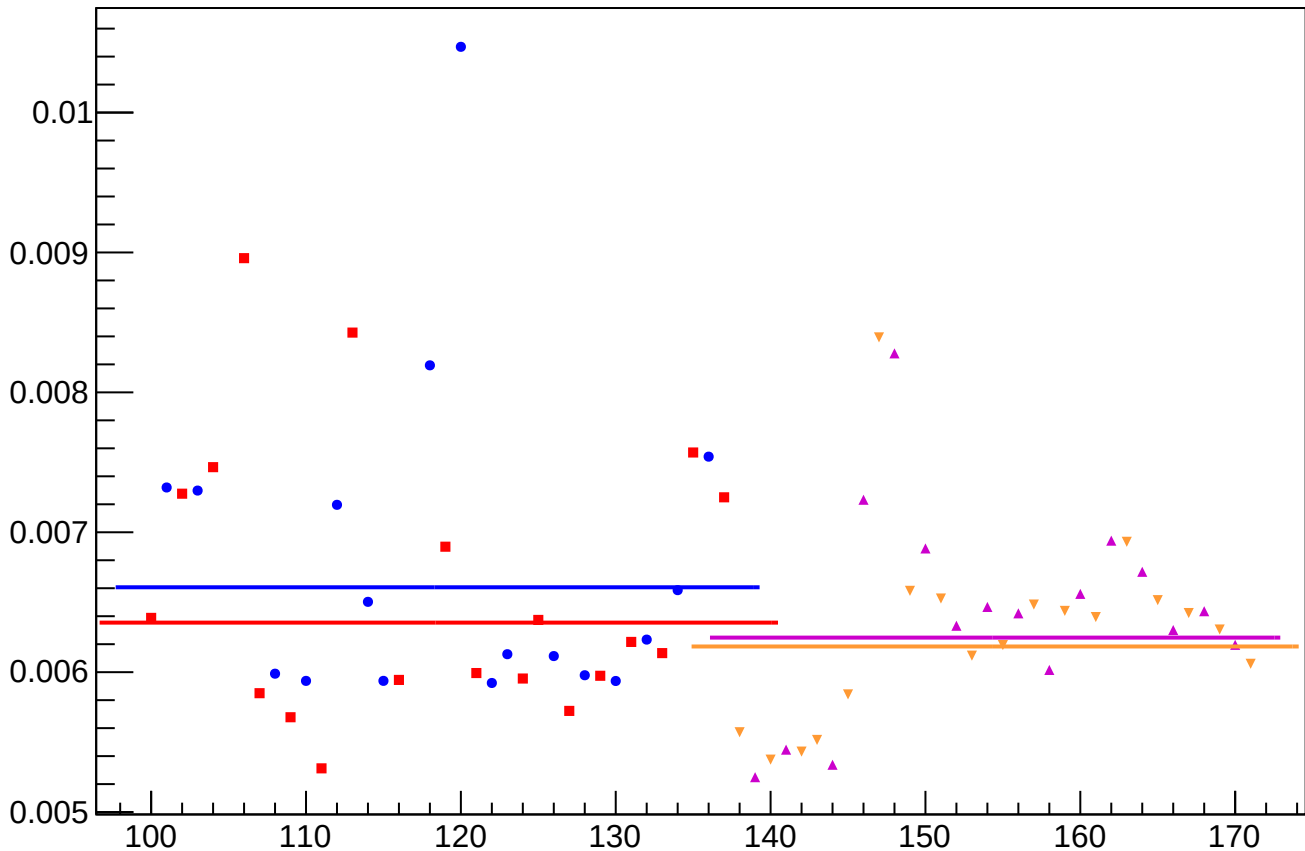
Left In: -1.709+/-0.000 χ^2/NDF : 11416199938.6/15

+ sign -1.633+/-0.000 χ^2/NDF : 41964292745.4/34

All: -1.653+/-0.000 χ^2/NDF : 82700994767.6/34

- sign -1.674+/-0.000 χ^2/NDF : 40352967929.1/34

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF : 229624.5/17

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

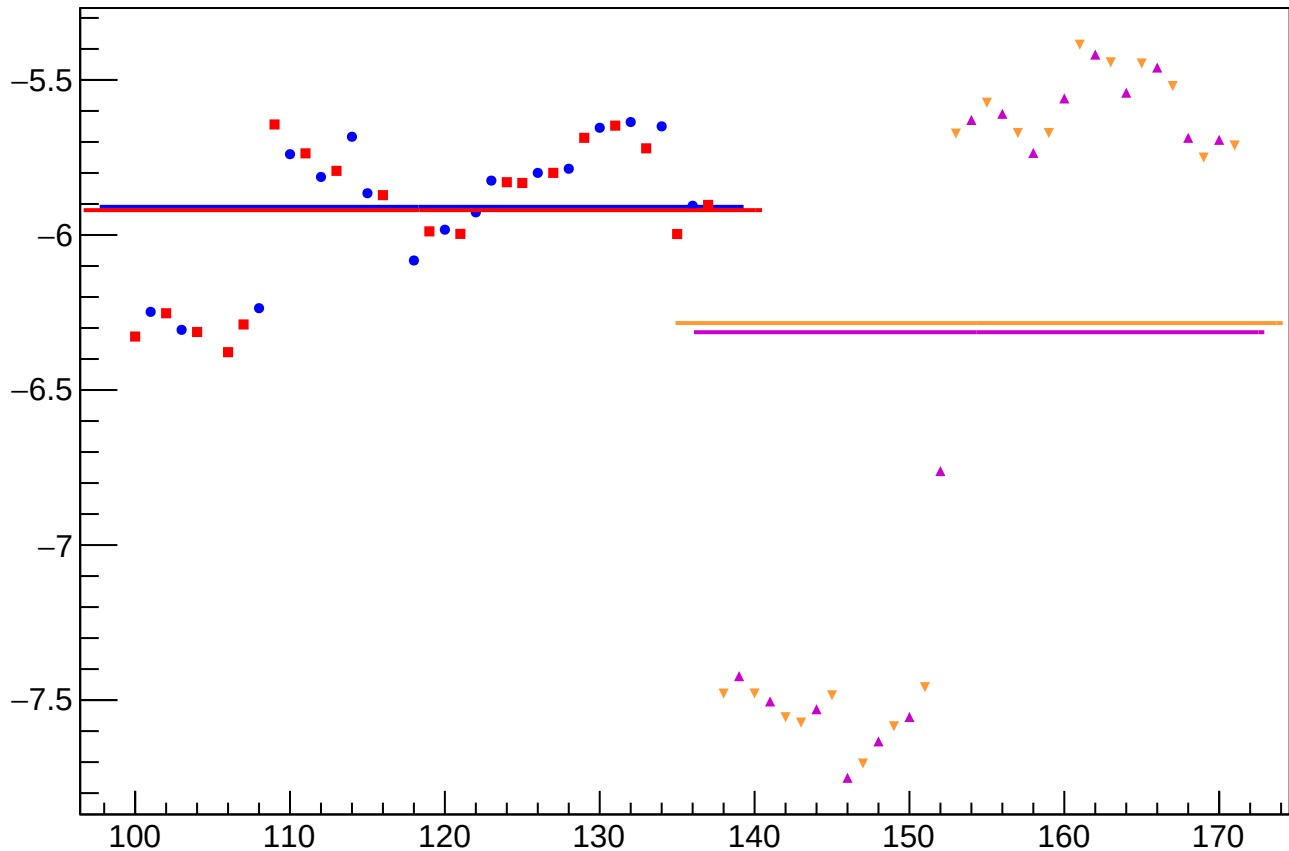
Left In: 0.006+/-0.000 χ^2/NDF : 291083.9/15

+ sign 0.006+/-0.000 χ^2/NDF : 466052.0/34

All: 0.006+/-0.000 χ^2/NDF : 987104.8/69

- sign 0.006+/-0.000 χ^2/NDF : 520798.4/34

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.284+/-0.000 χ^2/NDF : 167774366680.6/17

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

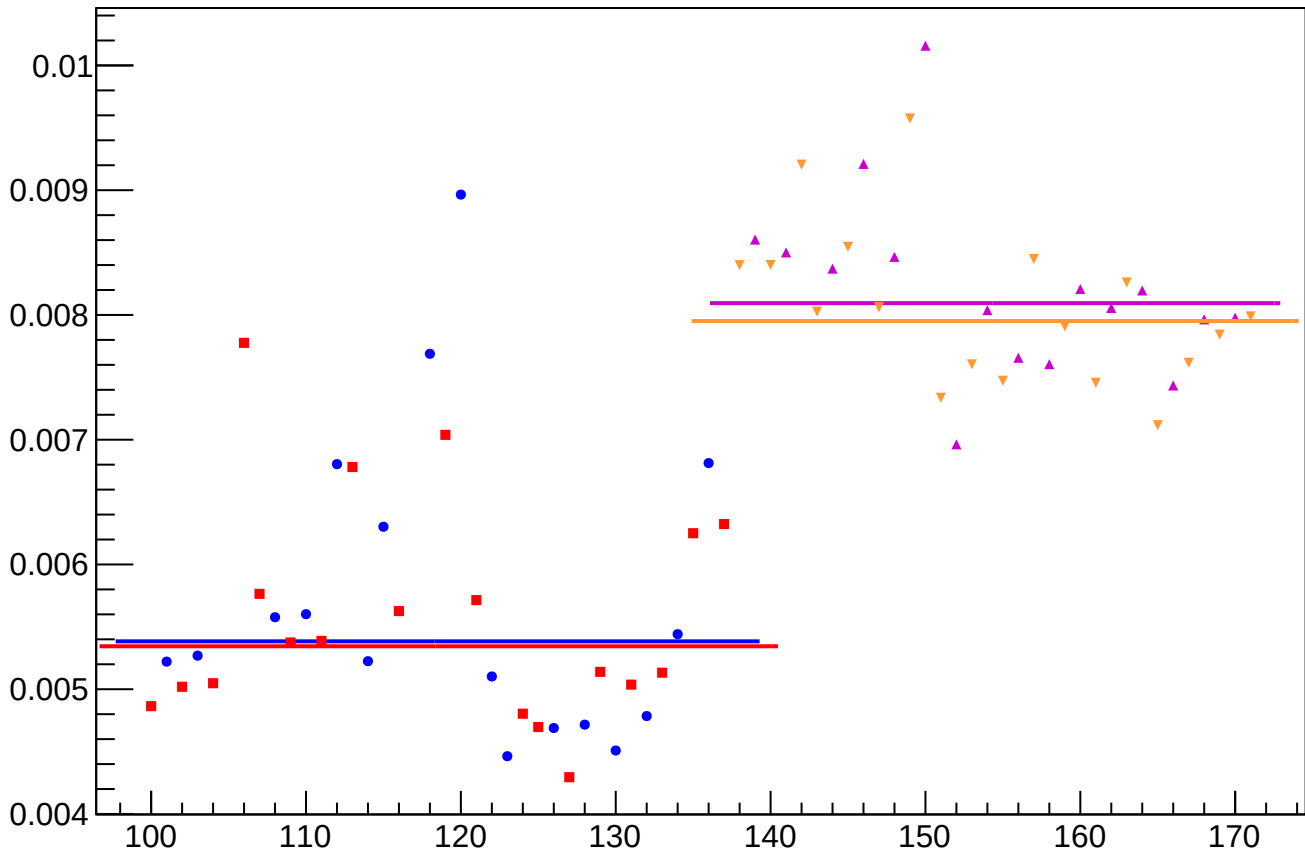
Left In: -6.314+/-0.000 χ^2/NDF : 139347990683.4/15

+ sign -6.090+/-0.000 χ^2/NDF : 192614679197.2/34

All: -6.091+/-0.000 χ^2/NDF : 359746706462.0

- sign -6.091+/-0.000 χ^2/NDF : 167131960470.0/34

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :116162.5/17

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

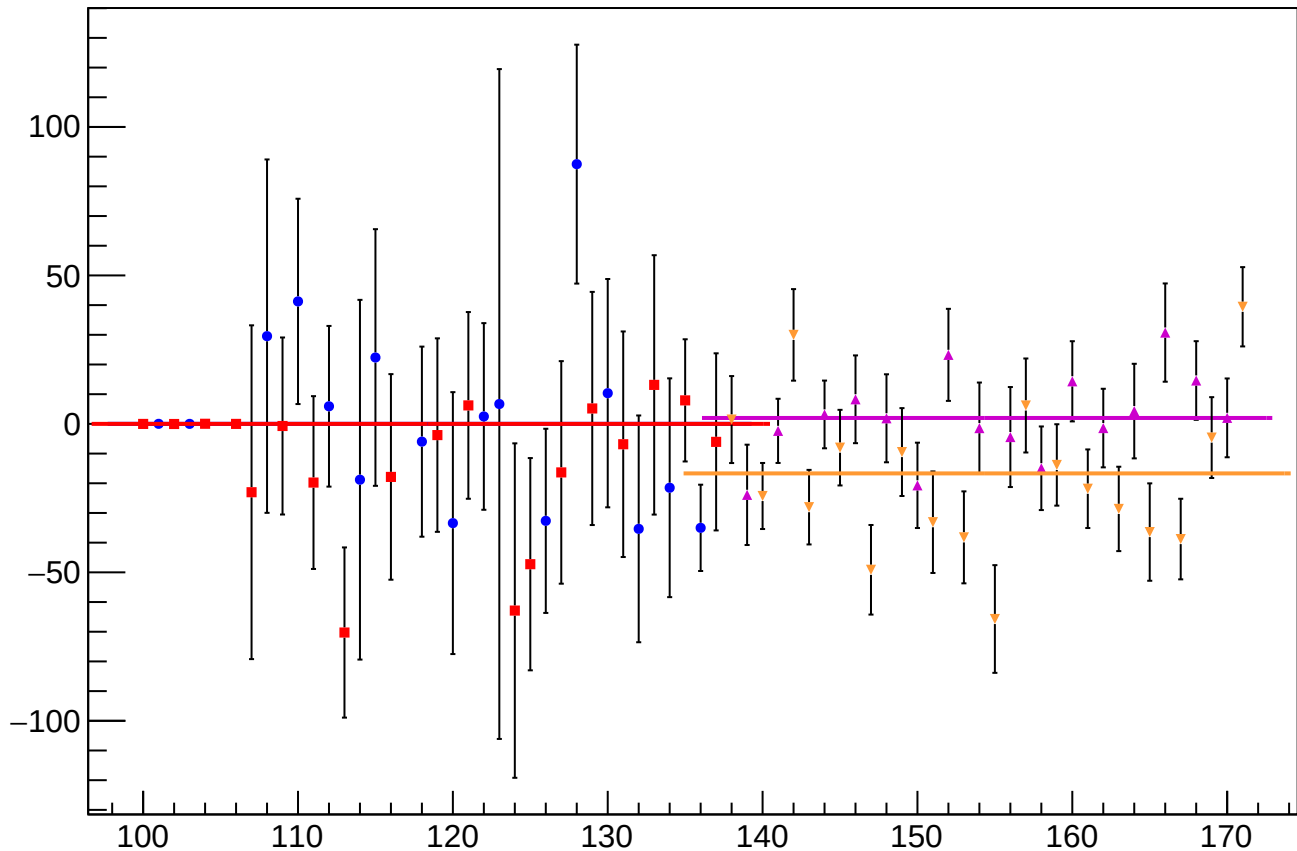
Left In: 0.008+/-0.000 χ^2/NDF :150319.8/15

+ sign 0.007+/-0.000 χ^2/NDF : 1751252.8/34

All: 0.007+/-0.000 χ^2/NDF : 3613170.4/69

- sign 0.007+/-0.000 χ^2/NDF : 1859063.1/34

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -16.678 ± 3.349 χ^2/NDF : 53.0/17

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.3/18

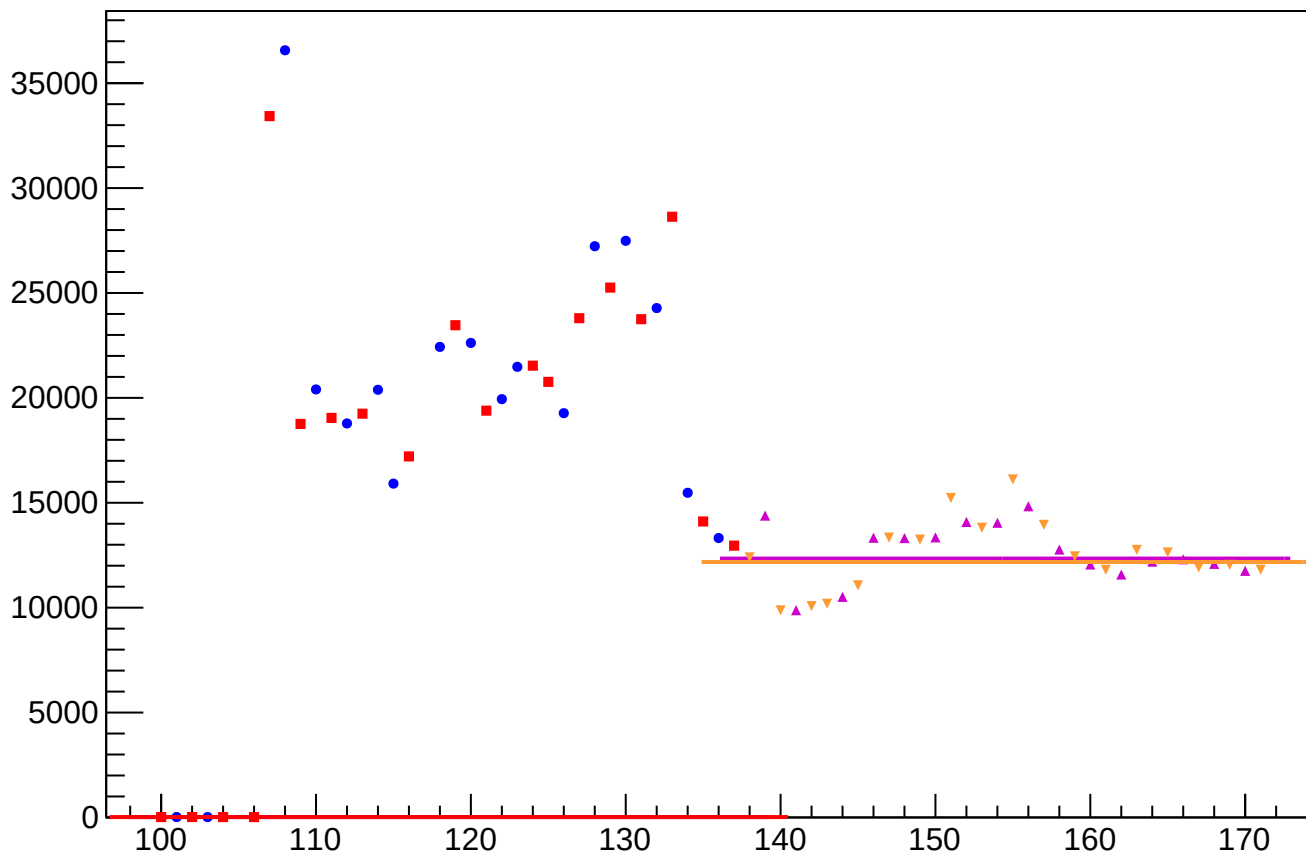
Left In: 1.993 ± 3.516 χ^2/NDF : 13.6/15

+ sign 0.013 ± 0.017 χ^2/NDF : 93.6/34

All: 0.008 ± 0.012 χ^2/NDF : 123.0/69

- sign 0.003 ± 0.016 χ^2/NDF : 29.2/34

diff_cav4bX_rms vs Slug



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 10841561.4/16

Left Out: 12176.761 $\pm$ 2.368 χ^2 /NDF: 426053.1/17

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11103320.8/18

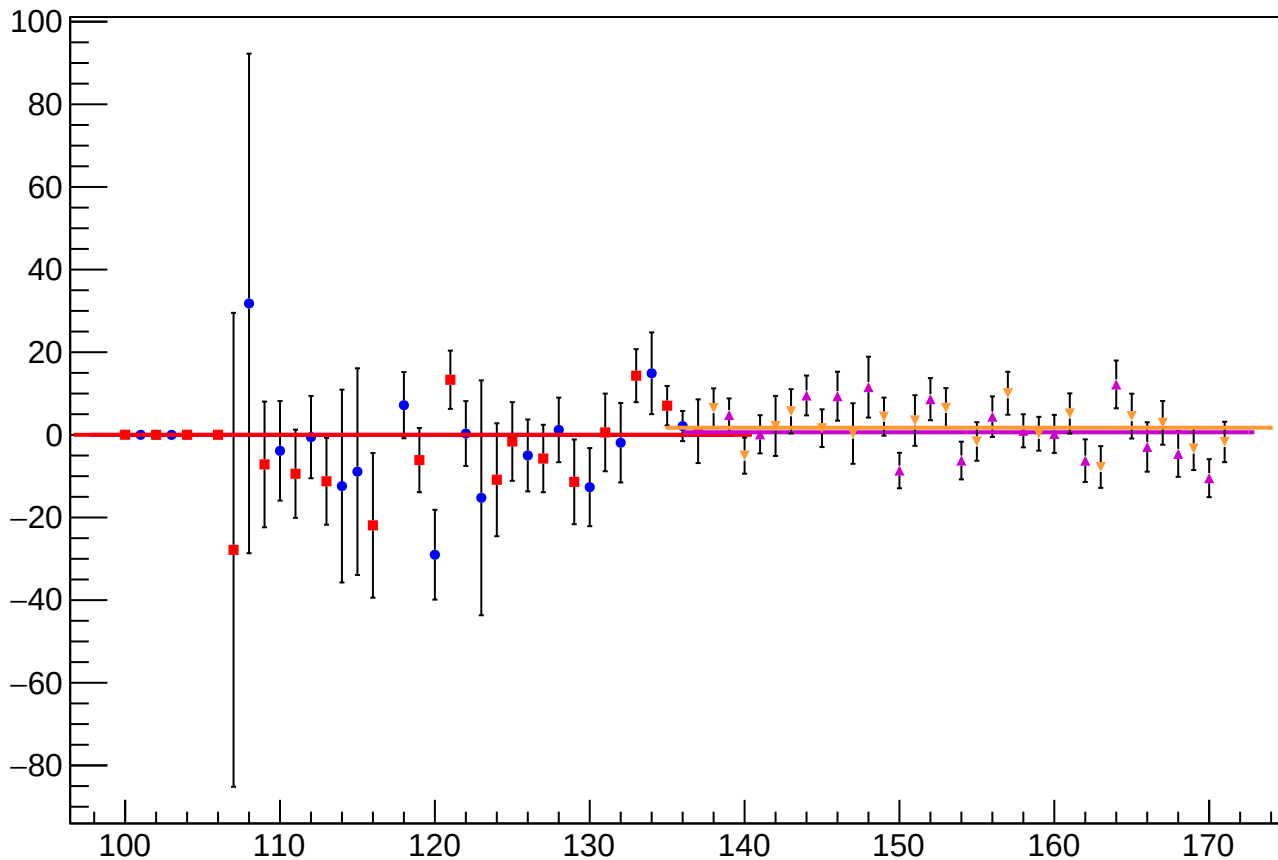
Left In: 12340.742 $\pm$ 2.487 χ^2 /NDF: 319909.1/15

+ sign 18.967 $\pm$ 0.012 χ^2 /NDF: 37631196.8/34

All: 18.753 $\pm$ 0.008 χ^2 /NDF: 73613266.9/69

- sign 18.569 $\pm$ 0.011 χ^2 /NDF: 35981503.6/34

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 1.731 $\pm$ 1.190 χ^2 /NDF:14.4/17

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

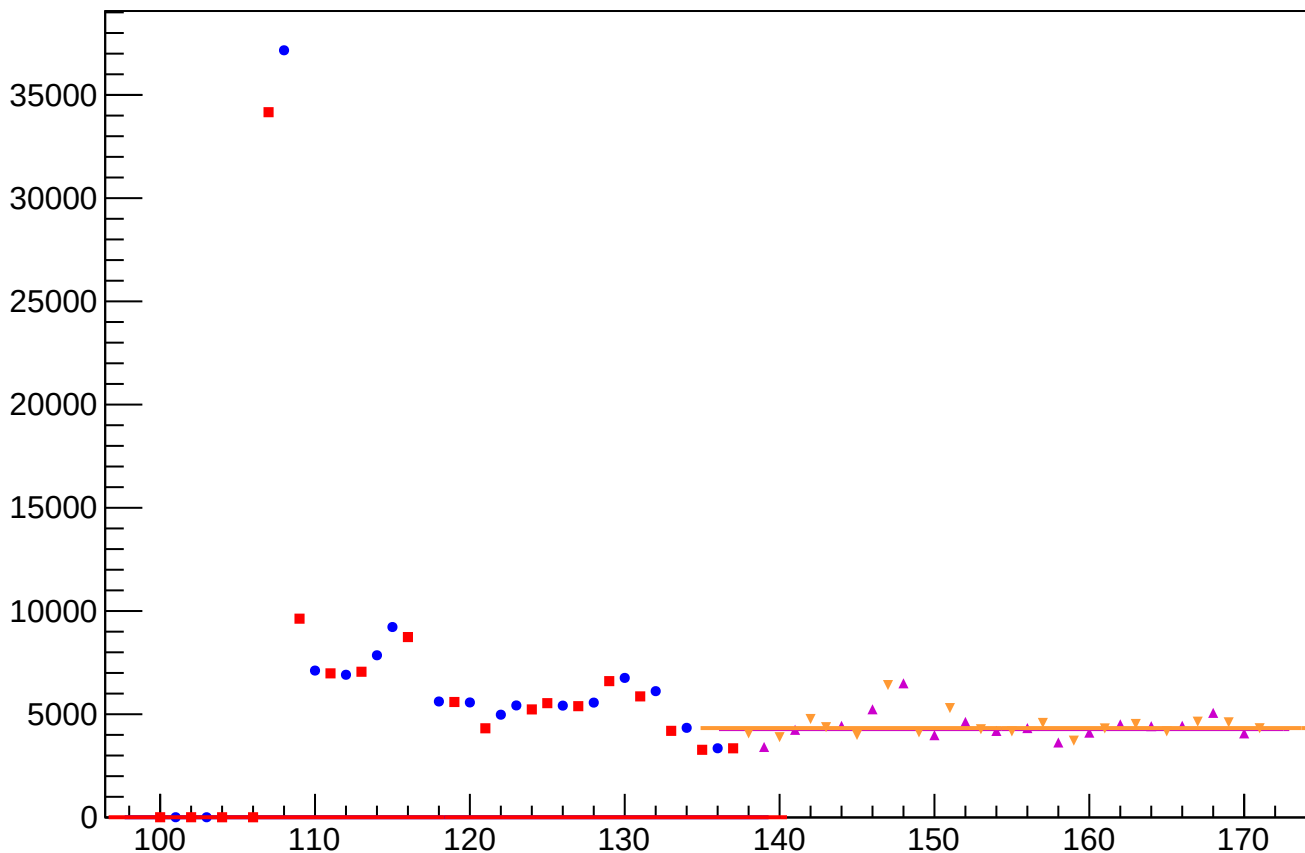
Left In: 0.629 $\pm$ 1.226 χ^2 /NDF:31.7/15

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 31.4/34

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 82.9/69

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 50.4/34

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4329.015+/-0.841 χ^2/NDF : 329378.6/17

Right Out: 9.854+/-0.006 χ^2/NDF : 11152667.7/18

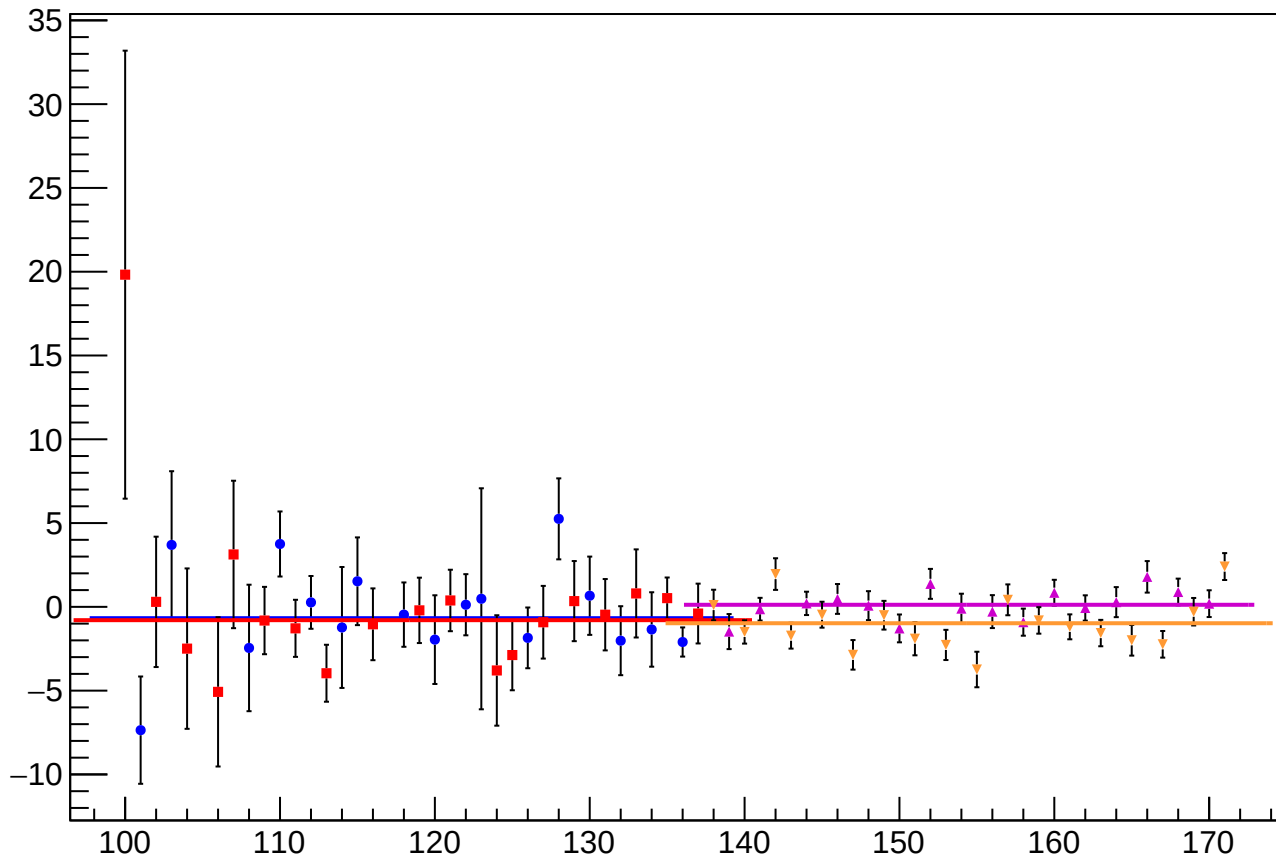
Left In: 4280.356+/-0.867 χ^2/NDF : 454263.1/15

+ sign 10.196+/-0.007 χ^2/NDF : 37664850.0/34

All: 10.128+/-0.004 χ^2/NDF : 73550856.6/69

- sign 10.067+/-0.006 χ^2/NDF : 35885796.5/34

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.978 ± 0.198 χ^2/NDF : 52.8/17

Right Out: -0.795 ± 0.501 χ^2/NDF : 12.0/18

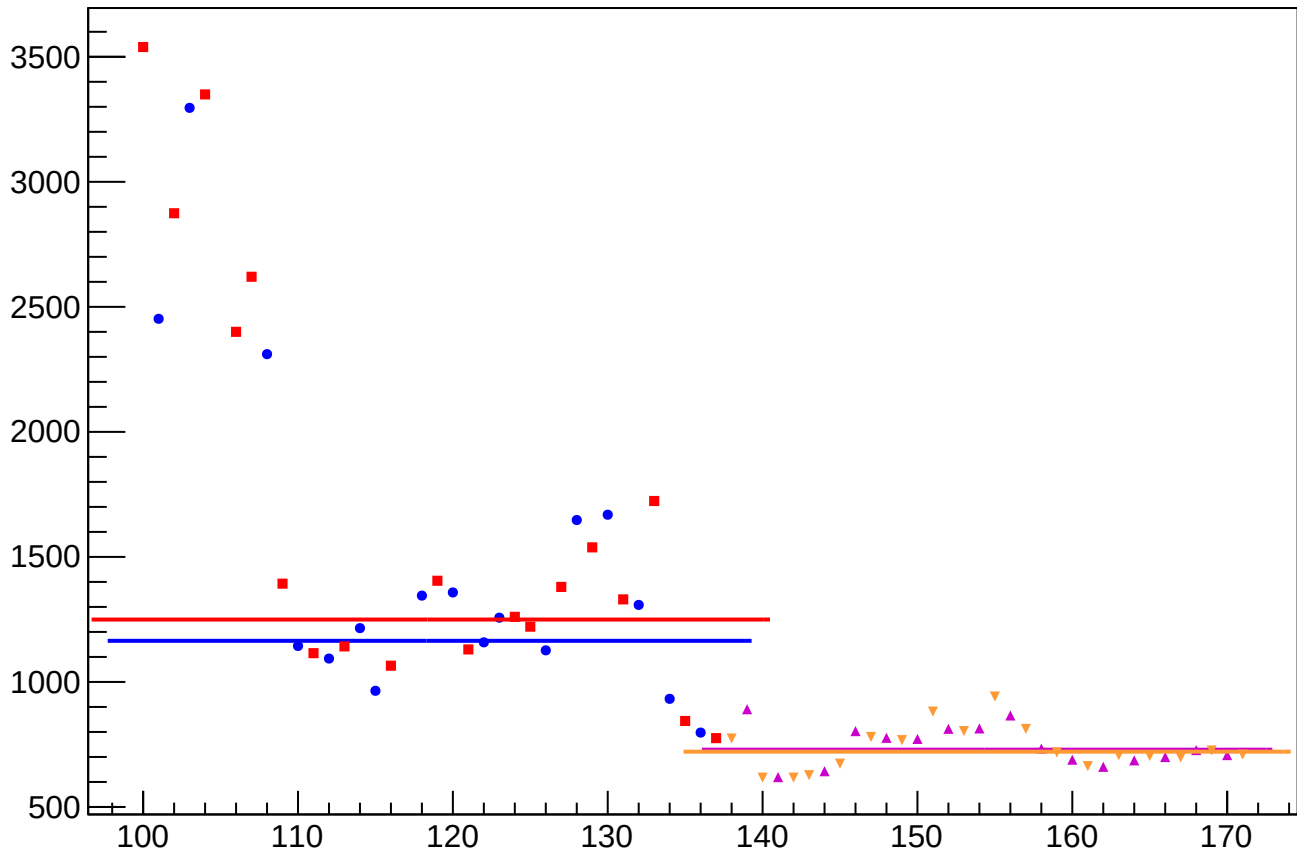
Left In: 0.123 ± 0.207 χ^2/NDF : 14.4/15

+ sign -0.935 ± 0.183 χ^2/NDF : 75.4/34

All: -0.494 ± 0.132 χ^2/NDF : 116.8/69

- sign -0.011 ± 0.192 χ^2/NDF : 29.3/34

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 721.147 $\pm$ 0.140 χ^2 /NDF: 318473.1/17

Right Out: 1249.596 $\pm$ 0.354 χ^2 /NDF: 1650133.1/18

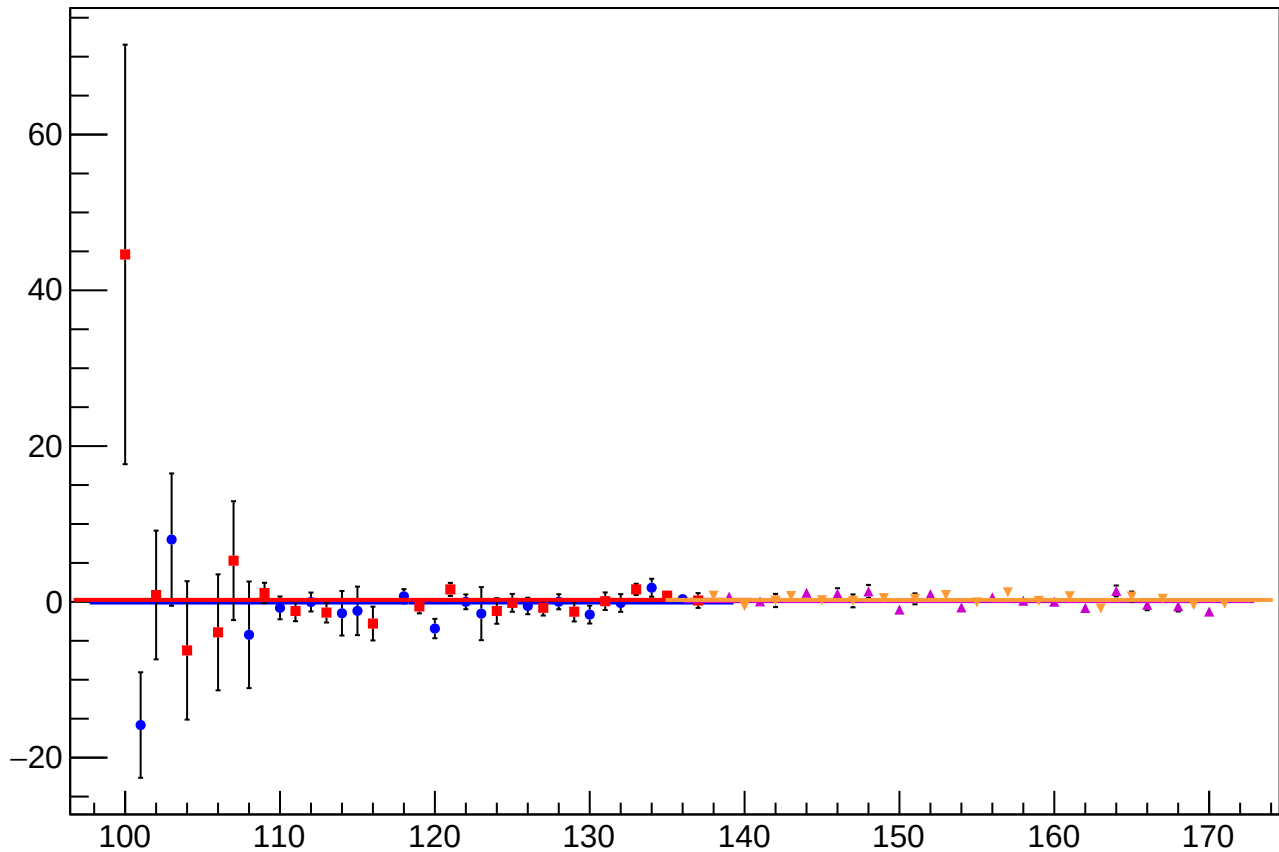
Left In: 729.155 $\pm$ 0.147 χ^2 /NDF: 260428.1/15

+ sign 784.584 $\pm$ 0.130 χ^2 /NDF: 3339639.4/34

All: 794.449 $\pm$ 0.094 χ^2 /NDF: 7102865.7/69

- sign 805.256 $\pm$ 0.136 χ^2 /NDF: 3751067.3/34

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.248 ± 0.143 χ^2/NDF : 14.1/17

Right Out: 0.259 ± 0.264 χ^2/NDF : 20.4/18

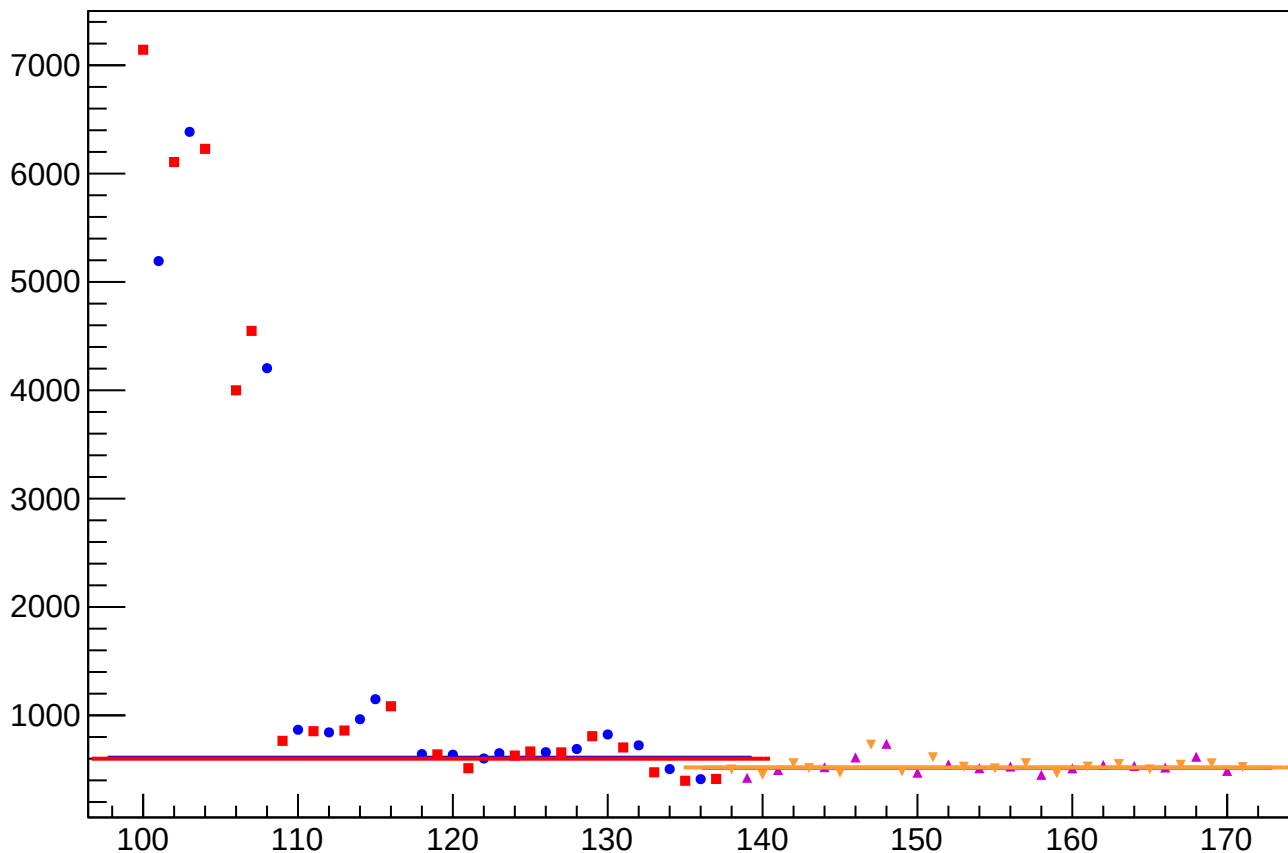
Left In: 0.094 ± 0.147 χ^2/NDF : 31.4/15

+ sign 0.175 ± 0.126 χ^2/NDF : 36.3/34

All: 0.155 ± 0.090 χ^2/NDF : 88.6/69

- sign 0.133 ± 0.129 χ^2/NDF : 52.2/34

diff_cav4cY_rms vs Slug



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 519.275 $\pm$ 0.101 χ^2 /NDF:282185.9/17

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

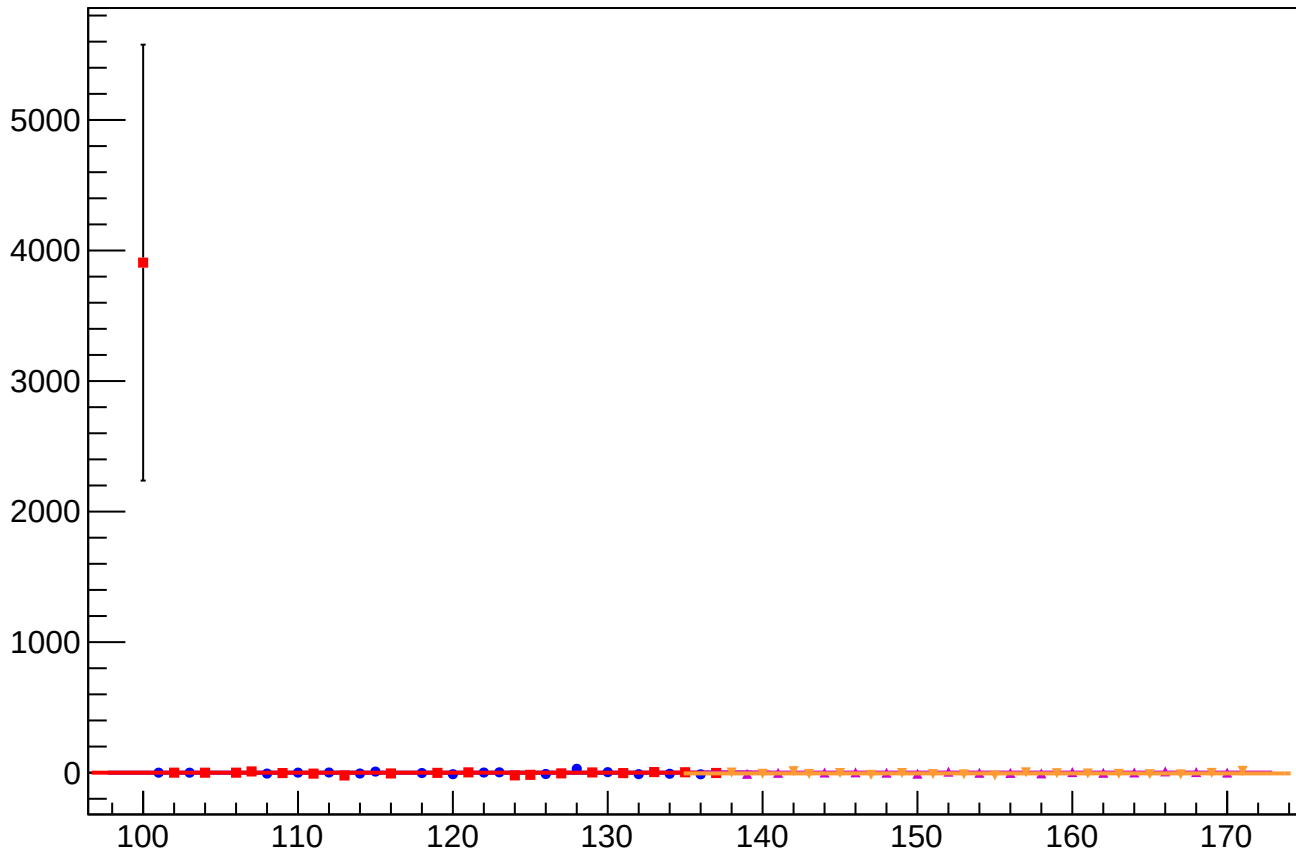
Left In: 515.873 $\pm$ 0.104 χ^2 /NDF:362382.3/15

+ sign 538.810 $\pm$ 0.089 χ^2 /NDF: 3594070.2/34

All: 537.339 $\pm$ 0.064 χ^2 /NDF: 7658810.3/69

- sign 535.804 $\pm$ 0.091 χ^2 /NDF: 4064183.3/34

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -5.643 ± 1.152 χ^2/NDF : 52.6/17

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.3/18

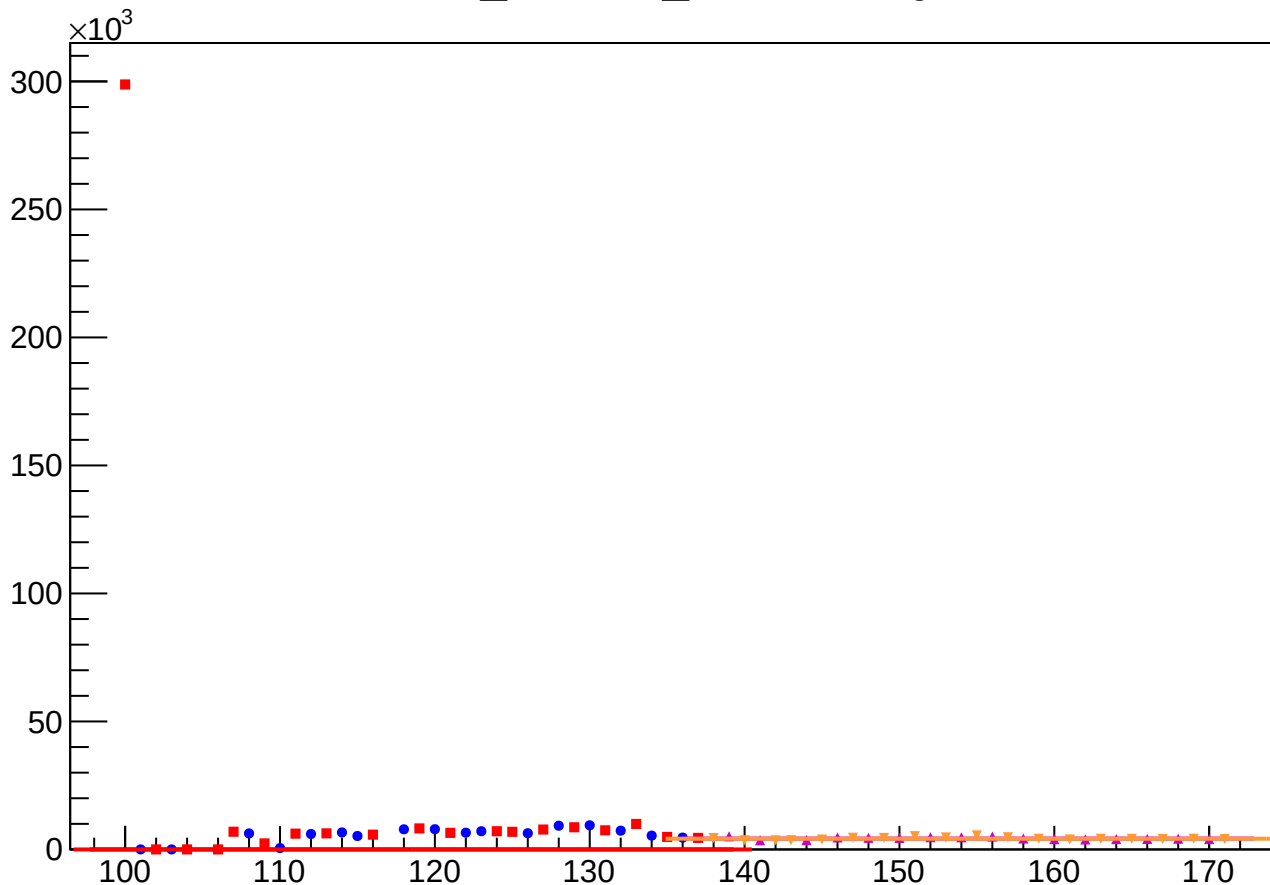
Left In: 0.718 ± 1.210 χ^2/NDF : 14.0/15

+ sign -0.023 ± 0.021 χ^2/NDF : 91.7/34

All: -0.025 ± 0.014 χ^2/NDF : 123.4/69

- sign -0.027 ± 0.020 χ^2/NDF : 31.7/34

diff_cav4dX_rms vs Slug



Right In: 17.337 ± 0.015 χ^2/NDF : 10359409.4/16

Left Out: 4197.492 ± 0.815 χ^2/NDF : 336670.8/17

Right Out: 17.268 ± 0.014 χ^2/NDF : 10813350.8/18

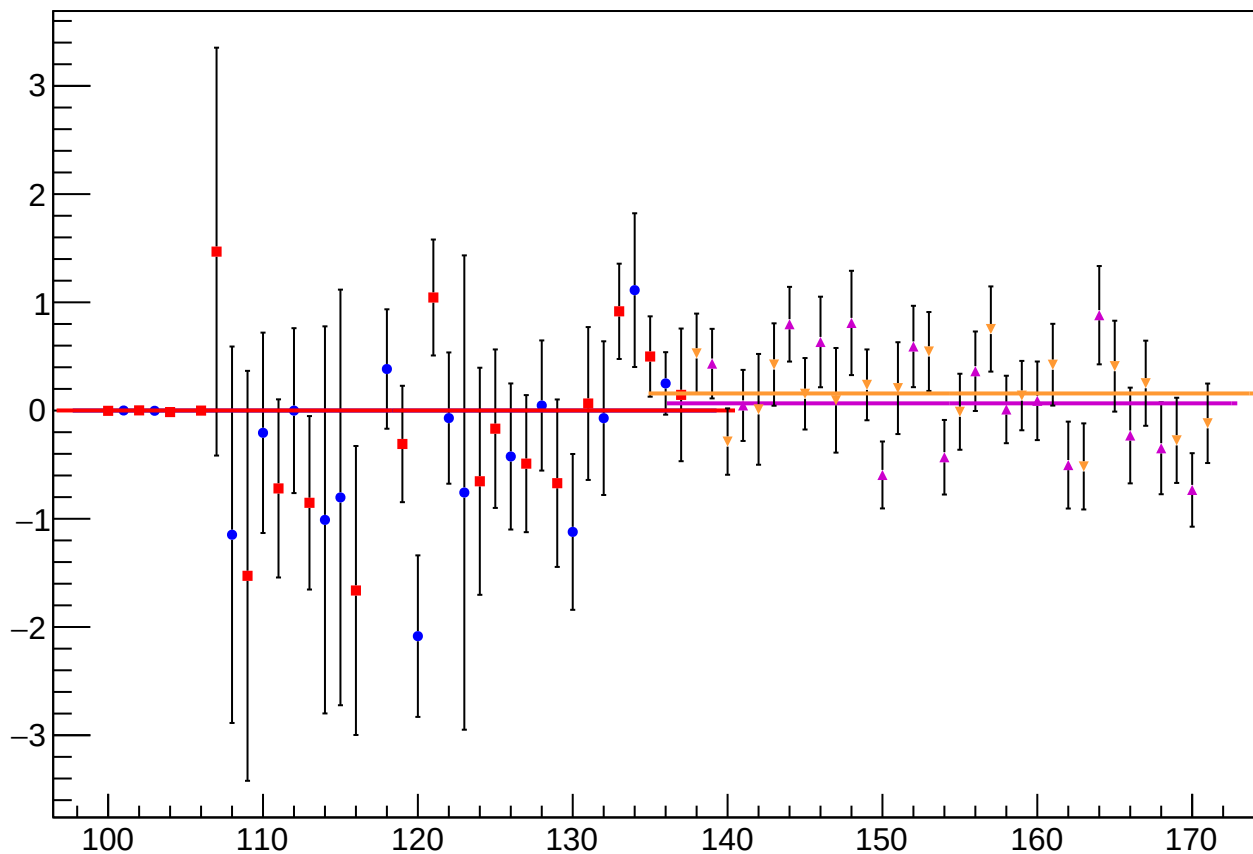
Left In: 4251.969 ± 0.856 χ^2/NDF : 265249.2/15

+ sign 18.698 ± 0.015 χ^2/NDF : 37020376.7/34

All: 18.541 ± 0.010 χ^2/NDF : 72593905.6/69

- sign 18.399 ± 0.014 χ^2/NDF : 35573311.7/34

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.158 ± 0.088 χ^2/NDF : 13.0/17

Right Out: 0.001 ± 0.002 χ^2/NDF : 17.8/18

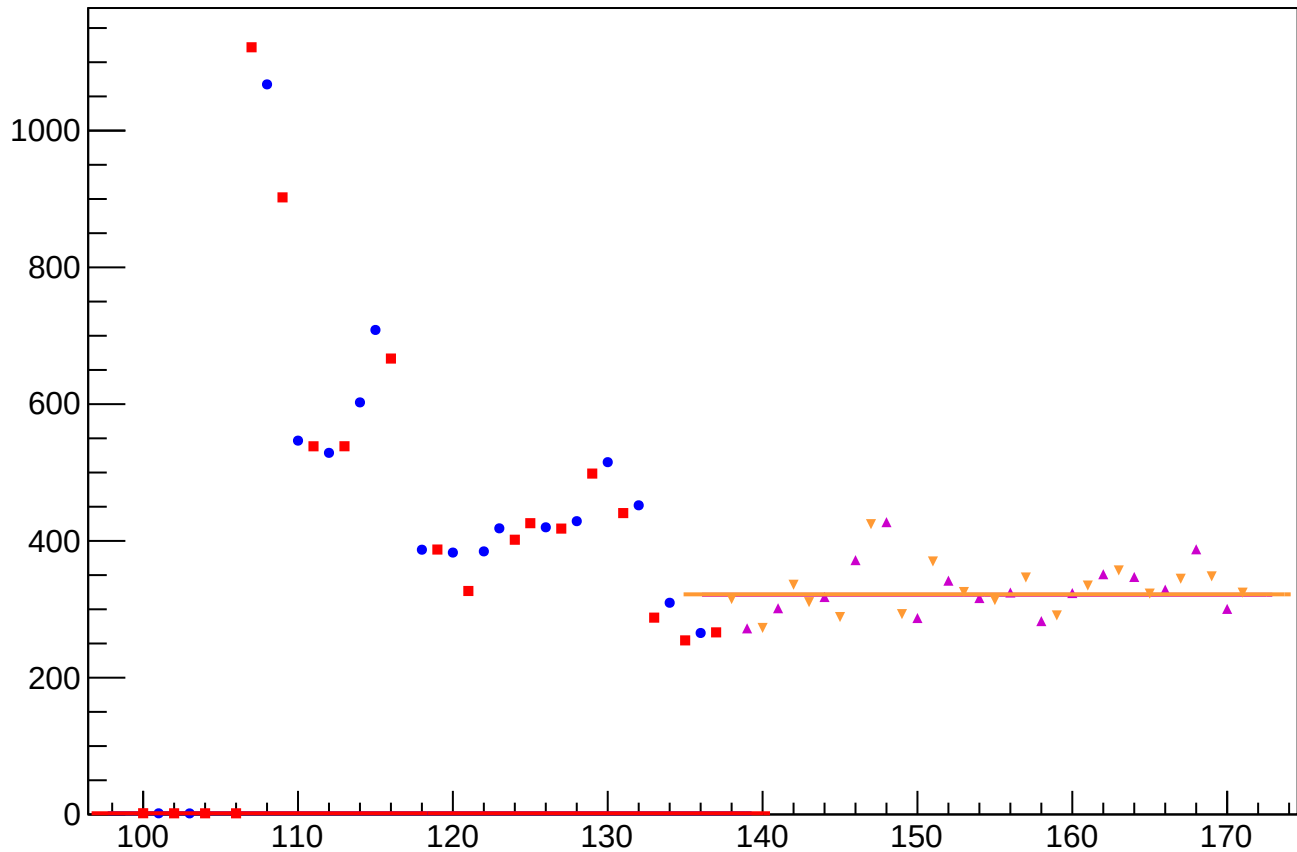
Left In: 0.067 ± 0.092 χ^2/NDF : 31.5/15

+ sign 0.000 ± 0.002 χ^2/NDF : 31.8/34

All: 0.001 ± 0.001 χ^2/NDF : 81.7/69

- sign 0.001 ± 0.002 χ^2/NDF : 49.8/34

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 321.878+/-0.062 χ^2/NDF : 268125.6/17

Right Out: 1.728+/-0.001 χ^2/NDF : 10736674.8/18

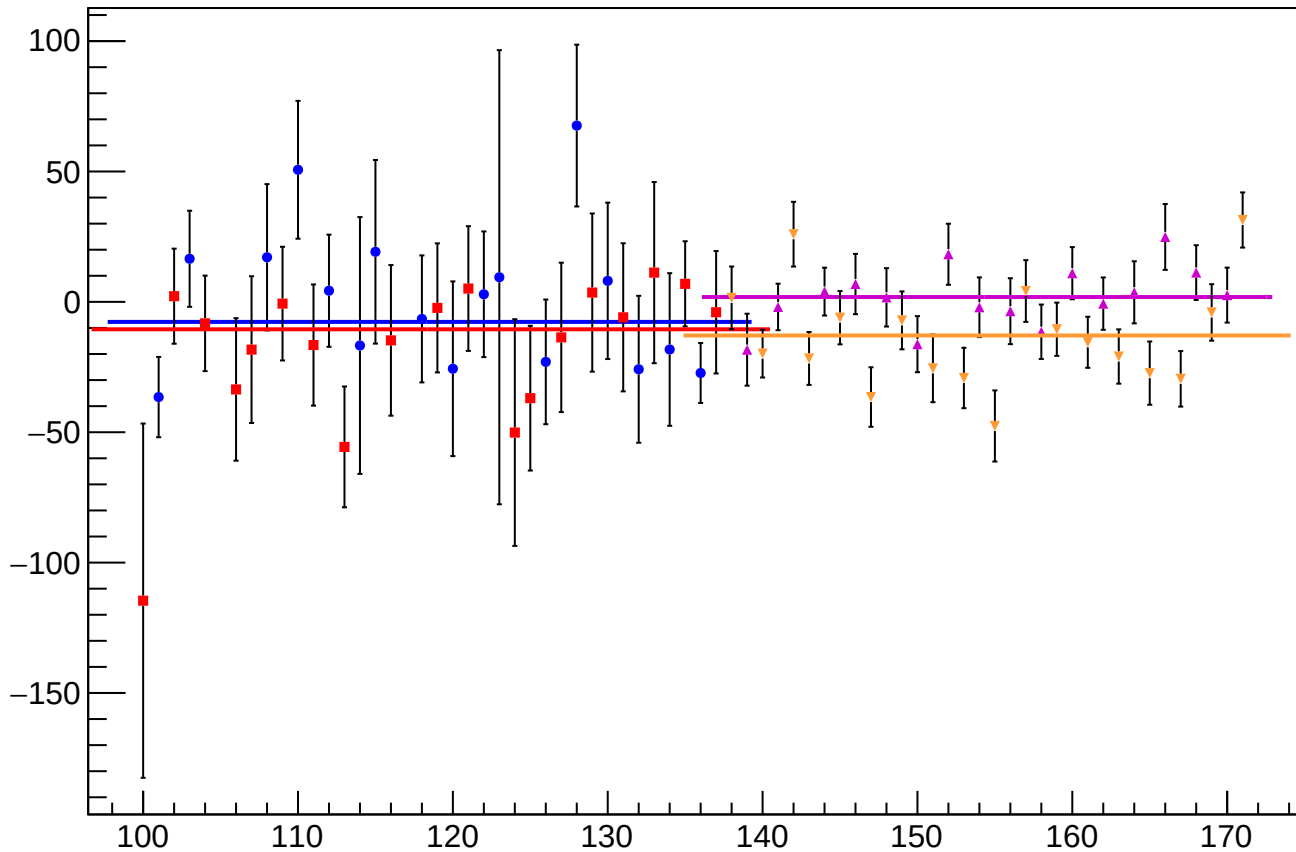
Left In: 321.251+/-0.065 χ^2/NDF : 316588.8/15

+ sign 1.867+/-0.001 χ^2/NDF : 37459392.6/34

All: 1.869+/-0.001 χ^2/NDF : 72798508.3/69

- sign 1.871+/-0.001 χ^2/NDF : 35339110.7/34

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -12.889 ± 2.594 $\chi^2/\text{NDF}: 51.8/17$

Right Out: -10.524 ± 5.682 $\chi^2/\text{NDF}: 11.9/18$

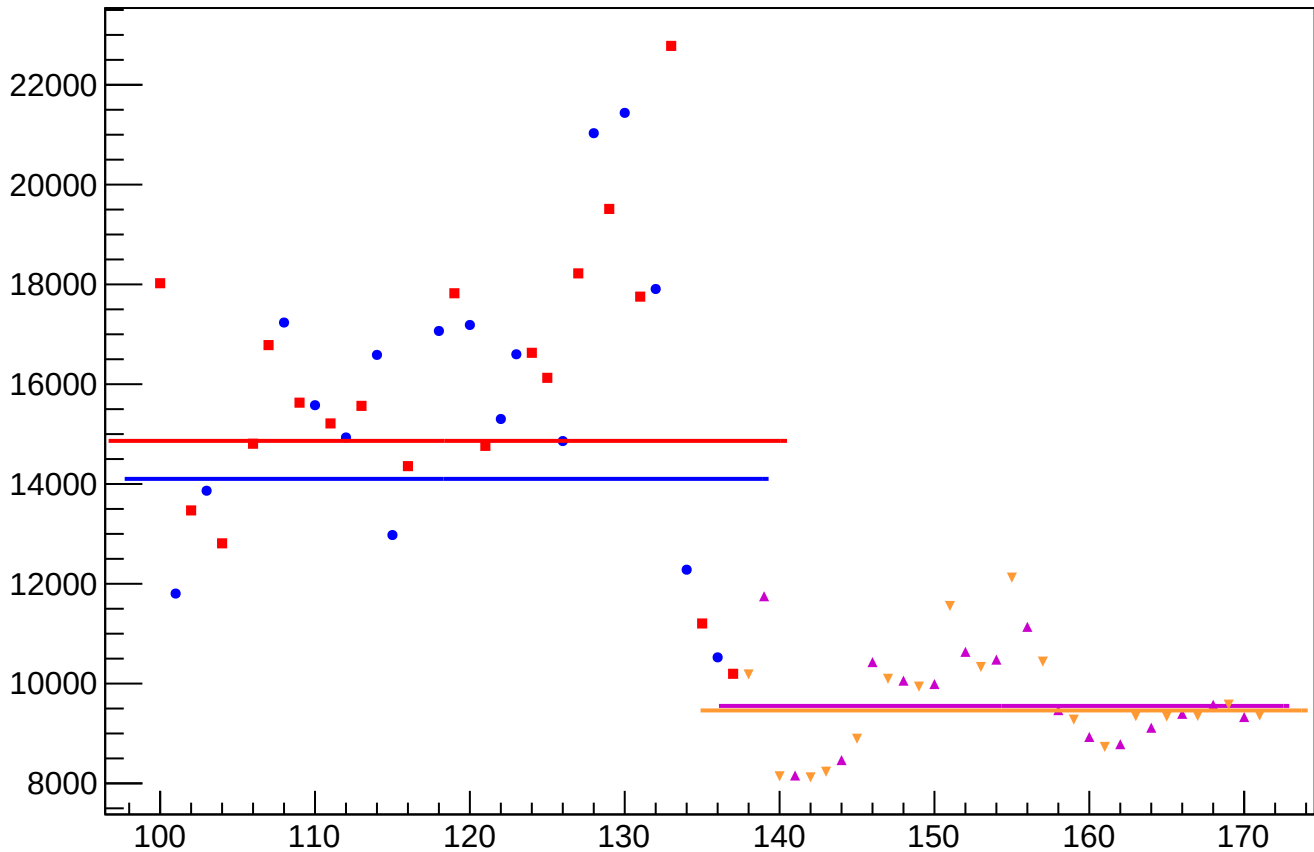
Left In: 1.850 ± 2.716 $\chi^2/\text{NDF}: 14.3/15$

+ sign -11.977 ± 2.356 $\chi^2/\text{NDF}: 74.9/34$

All: -6.442 ± 1.698 $\chi^2/\text{NDF}: 116.4/69$

- sign -0.452 ± 2.451 $\chi^2/\text{NDF}: 30.1/34$

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9461.404+/-1.834 χ^2/NDF : 283357.9/17

Right Out: 14864.163+/-4.018 χ^2/NDF : 470280.3/18

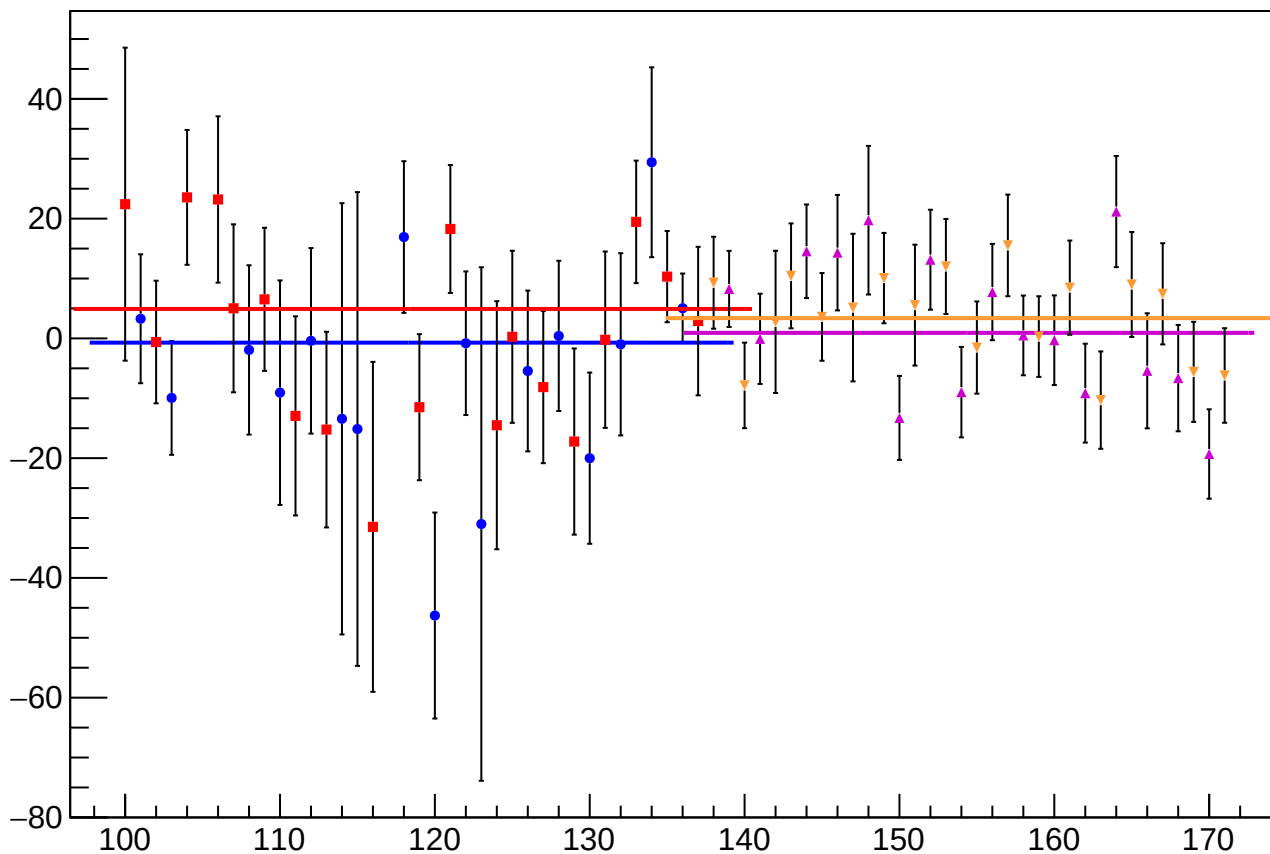
Left In: 9552.405+/-1.921 χ^2/NDF : 231737.3/15

+ sign 10274.746+/-1.666 χ^2/NDF : 2004344.2/34

All: 10402.358+/-1.201 χ^2/NDF : 4141183.1/6

- sign 10540.473+/-1.733 χ^2/NDF : 2124617.5/34

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 3.383 ± 1.937 χ^2/NDF : 14.9/17

Right Out: 4.918 ± 2.940 χ^2/NDF : 19.8/18

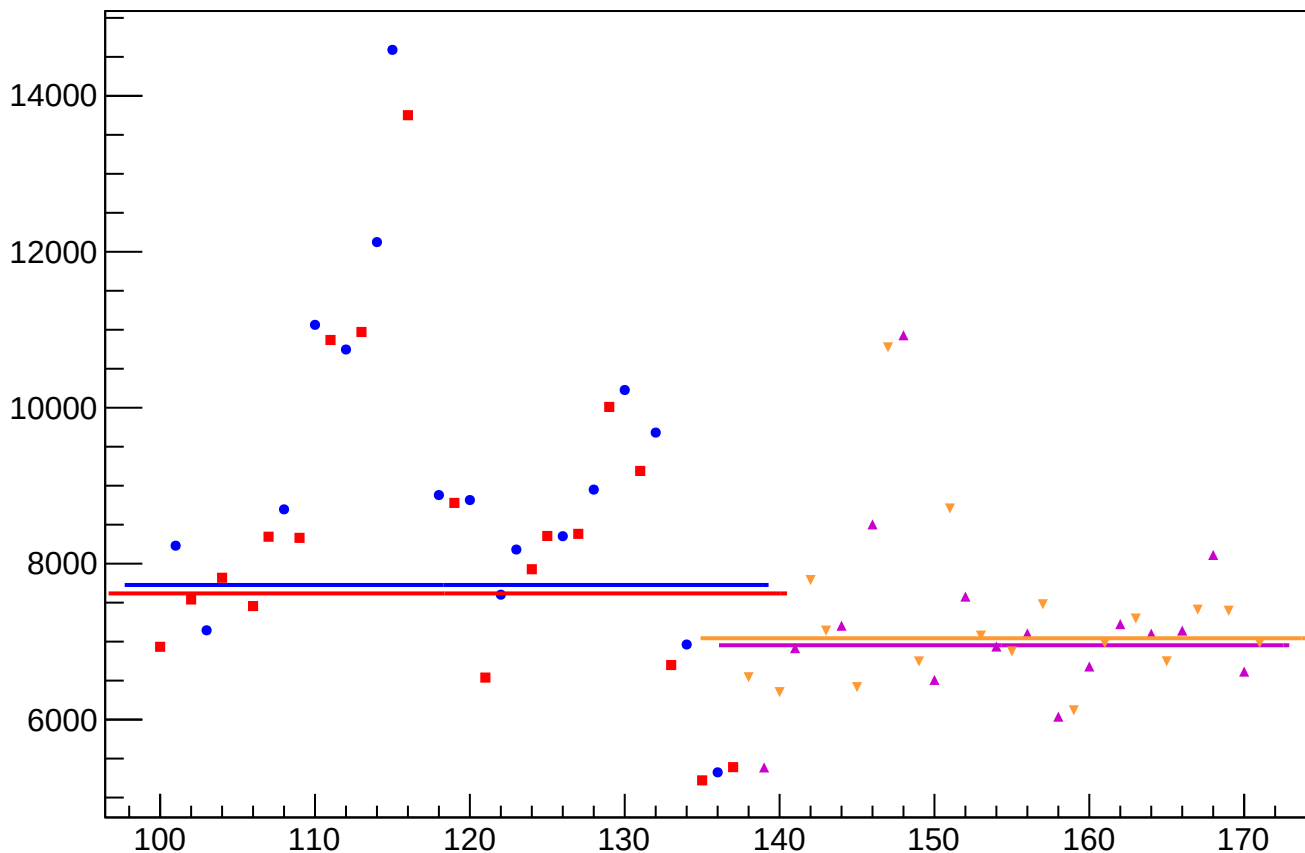
Left In: 0.926 ± 1.993 χ^2/NDF : 32.1/15

+ sign 2.226 ± 1.640 χ^2/NDF : 33.8/34

All: 2.204 ± 1.163 χ^2/NDF : 86.9/69

- sign 2.183 ± 1.650 χ^2/NDF : 53.1/34

diff_bpm4aY_rms vs Slug



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 7043.233+/-1.369 χ^2/NDF : 346606.0/17

Right Out: 7618.206+/-2.079 χ^2/NDF : 675125.4/18

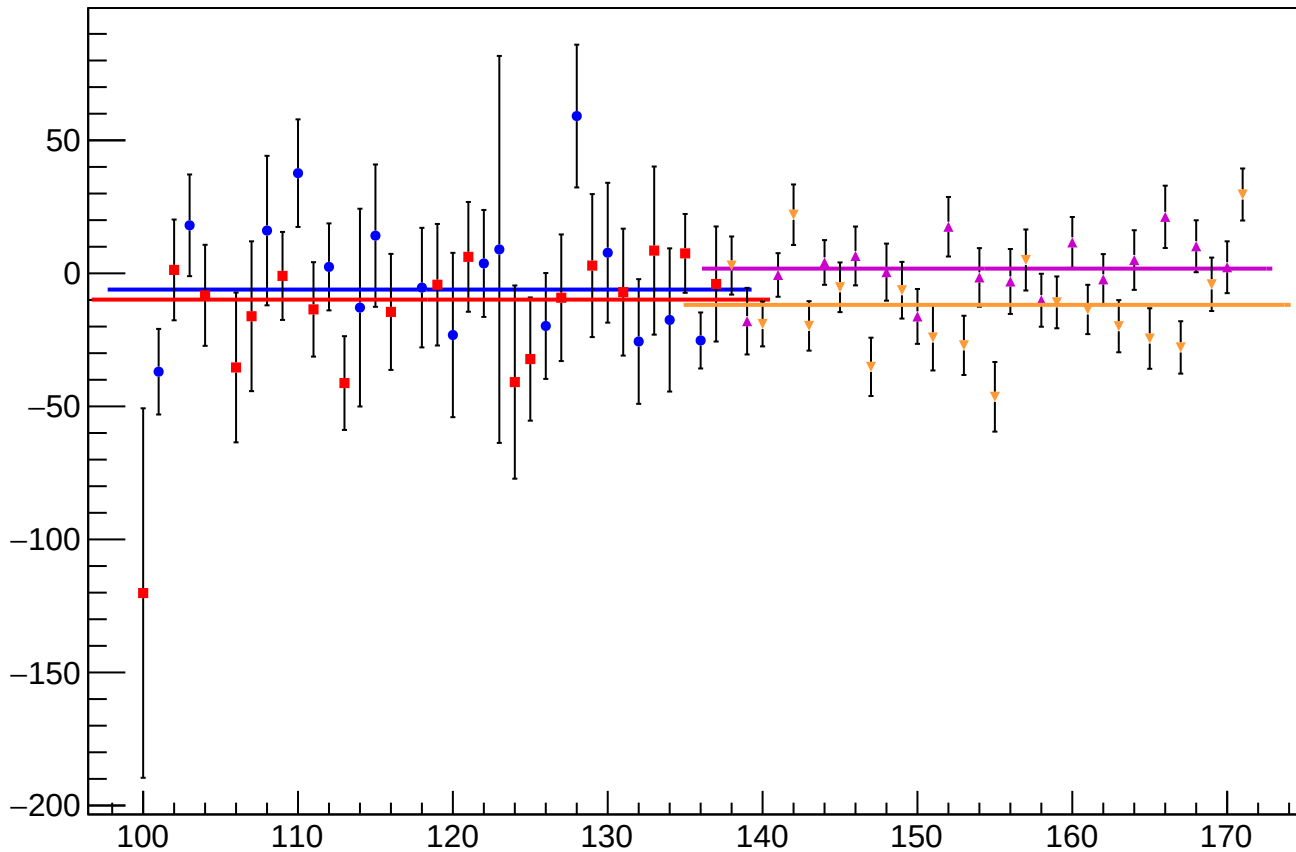
Left In: 6953.293+/-1.409 χ^2/NDF : 482647.7/15

+ sign 7236.574+/-1.160 χ^2/NDF : 1159593.4/34

All: 7199.834+/-0.822 χ^2/NDF : 2389493.2/69

- sign 7162.665+/-1.166 χ^2/NDF : 1227880.5/34

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -11.839 ± 2.429 χ^2/NDF : 52.6/17

Right Out: -9.864 ± 5.004 χ^2/NDF : 11.6/18

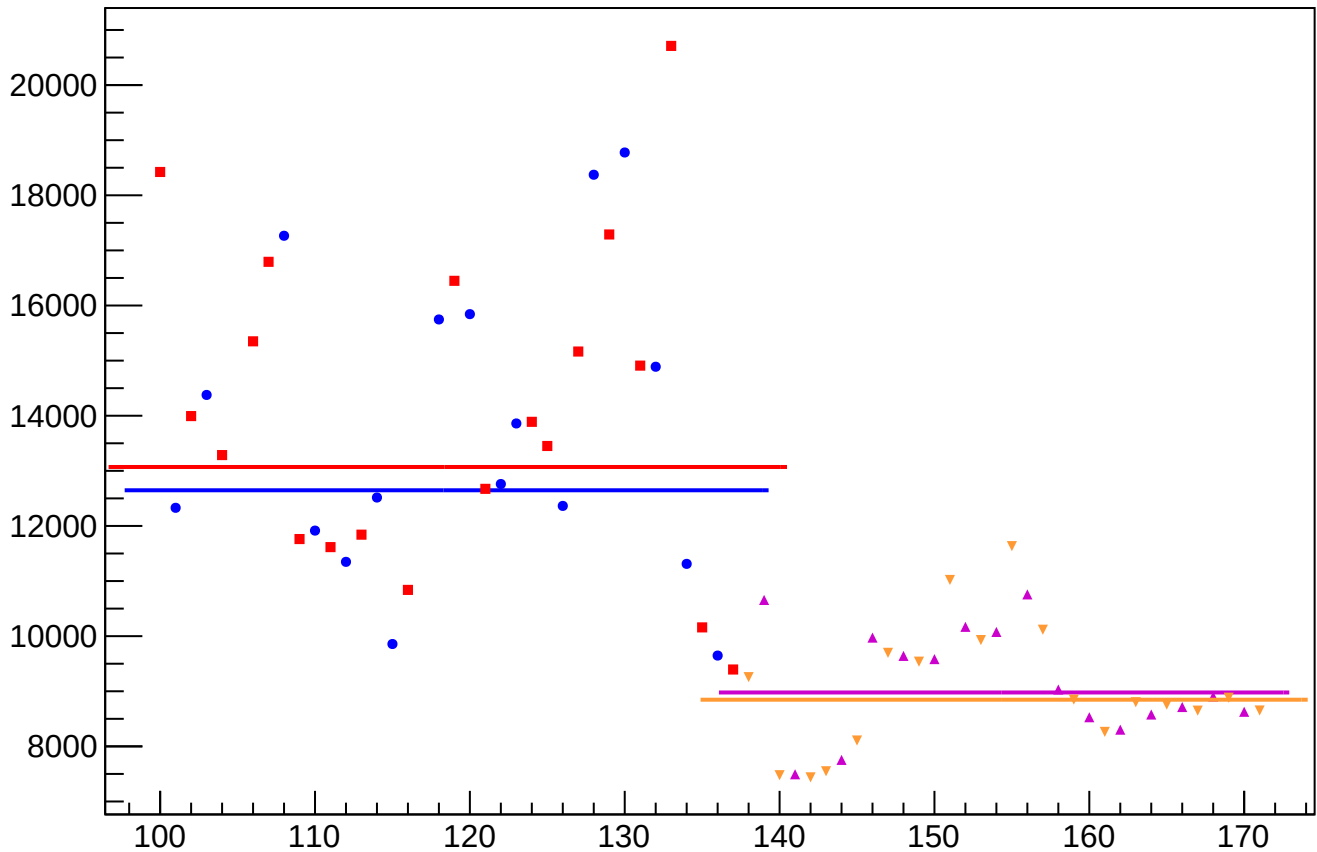
Left In: 1.781 ± 2.555 χ^2/NDF : 14.4/15

+ sign -10.753 ± 2.188 χ^2/NDF : 76.5/34

All: -5.890 ± 1.577 χ^2/NDF : 117.1/69

- sign -0.628 ± 2.276 χ^2/NDF : 30.3/34

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8846.872+/-1.718 χ^2/NDF : 363962.5/17

Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

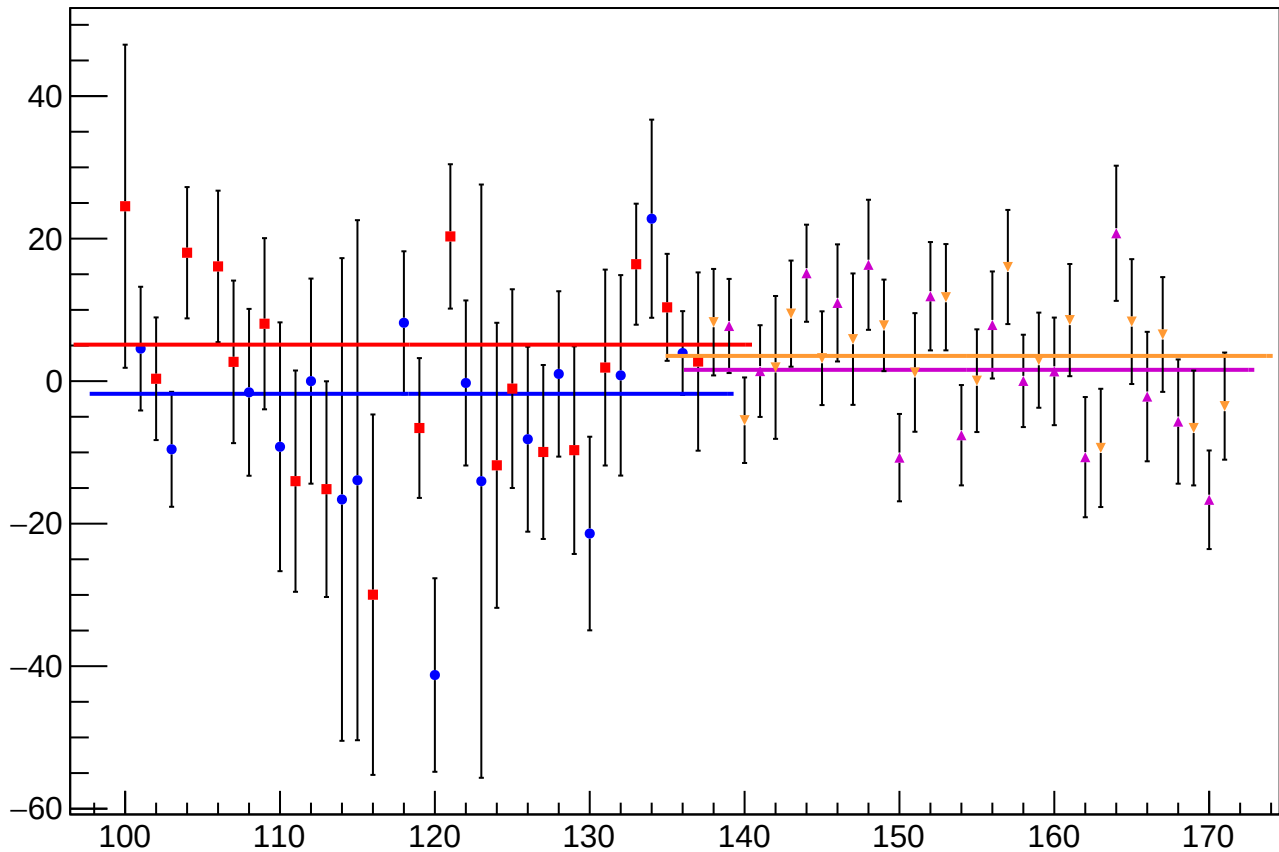
Left In: 8978.107+/-1.807 χ^2/NDF : 280797.3/15

+ sign 9564.836+/-1.547 χ^2/NDF : 1842930.3/34

All: 9689.613+/-1.115 χ^2/NDF : 3694387.1/69

- sign 9824.620+/-1.609 χ^2/NDF : 1837913.2/34

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 3.541 ± 1.783 $\chi^2/\text{NDF}: 13.5/17$

Right Out: 5.122 ± 2.642 $\chi^2/\text{NDF}: 18.9/18$

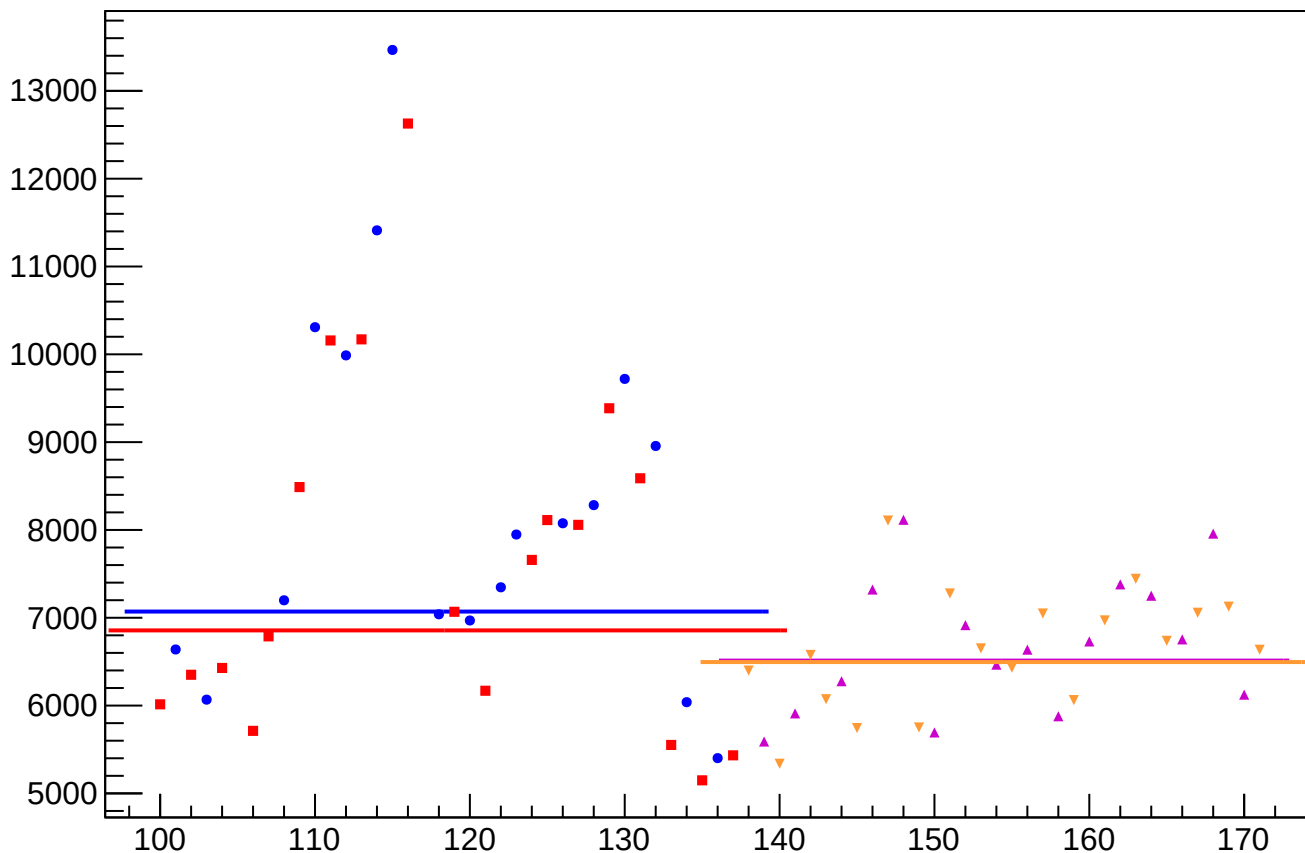
Left In: 1.588 ± 1.857 $\chi^2/\text{NDF}: 31.1/15$

+ sign 2.012 ± 1.505 $\chi^2/\text{NDF}: 34.1/34$

All: 2.381 ± 1.069 $\chi^2/\text{NDF}: 85.4/69$

- sign 2.757 ± 1.519 $\chi^2/\text{NDF}: 51.2/34$

diff_bpm4eY_rms vs Slug



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6495.684 $\pm$ 1.261 χ^2 /NDF: 289605.5/17

Right Out: 6856.136 $\pm$ 1.868 χ^2 /NDF: 682220.3/18

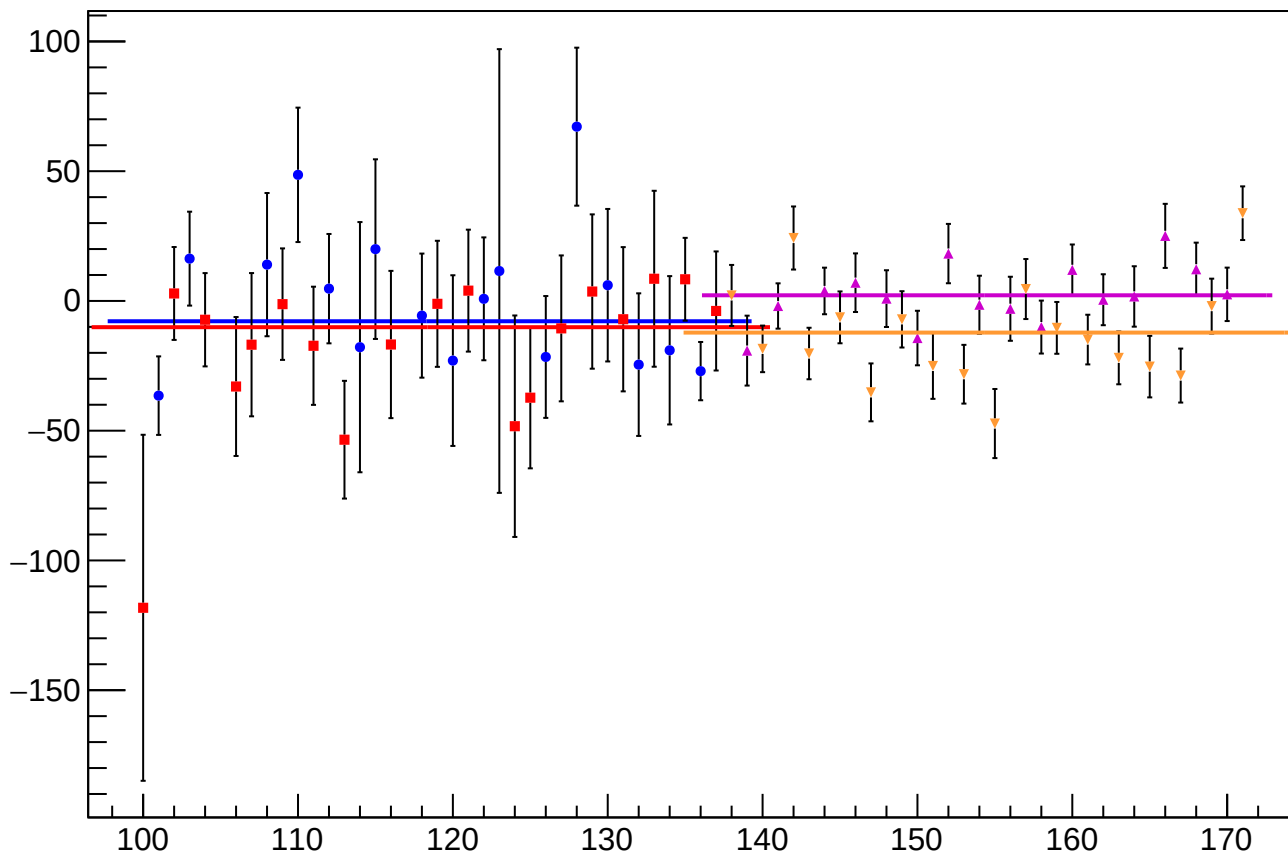
Left In: 6512.344 $\pm$ 1.313 χ^2 /NDF: 298656.9/15

+ sign 6661.022 $\pm$ 1.064 χ^2 /NDF: 951129.2/34

All: 6643.706 $\pm$ 0.756 χ^2 /NDF: 1955208.3/69

- sign 6626.050 $\pm$ 1.074 χ^2 /NDF: 1003544.1/34

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -12.195 ± 2.536 χ^2/NDF : 54.1/17

Right Out: -10.117 ± 5.571 χ^2/NDF : 12.2/18

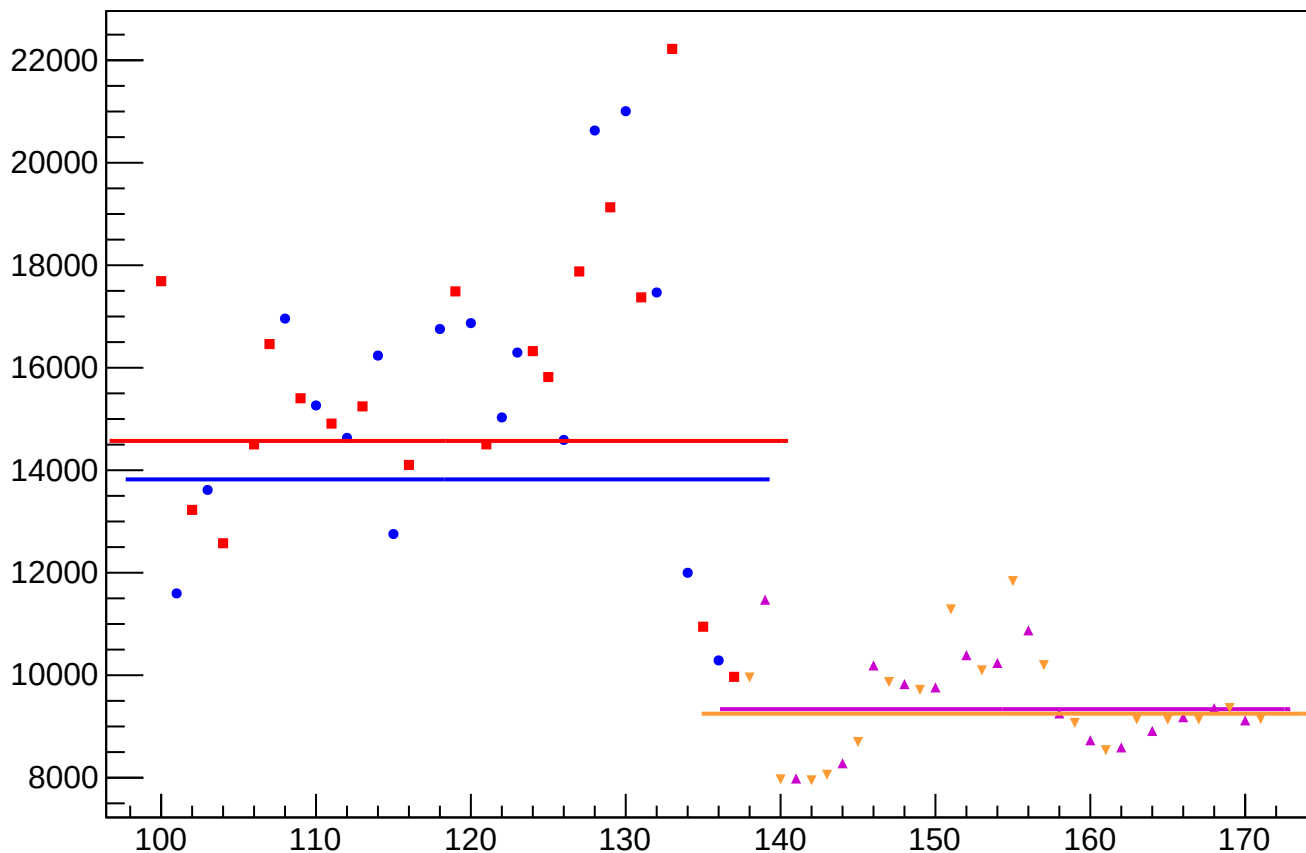
Left In: 2.177 ± 2.655 χ^2/NDF : 14.6/15

+ sign -11.432 ± 2.304 χ^2/NDF : 76.8/34

All: -5.990 ± 1.661 χ^2/NDF : 119.2/69

- sign -0.099 ± 2.397 χ^2/NDF : 30.7/34

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9249.759+/-1.793 χ^2/NDF : 280149.5/17

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

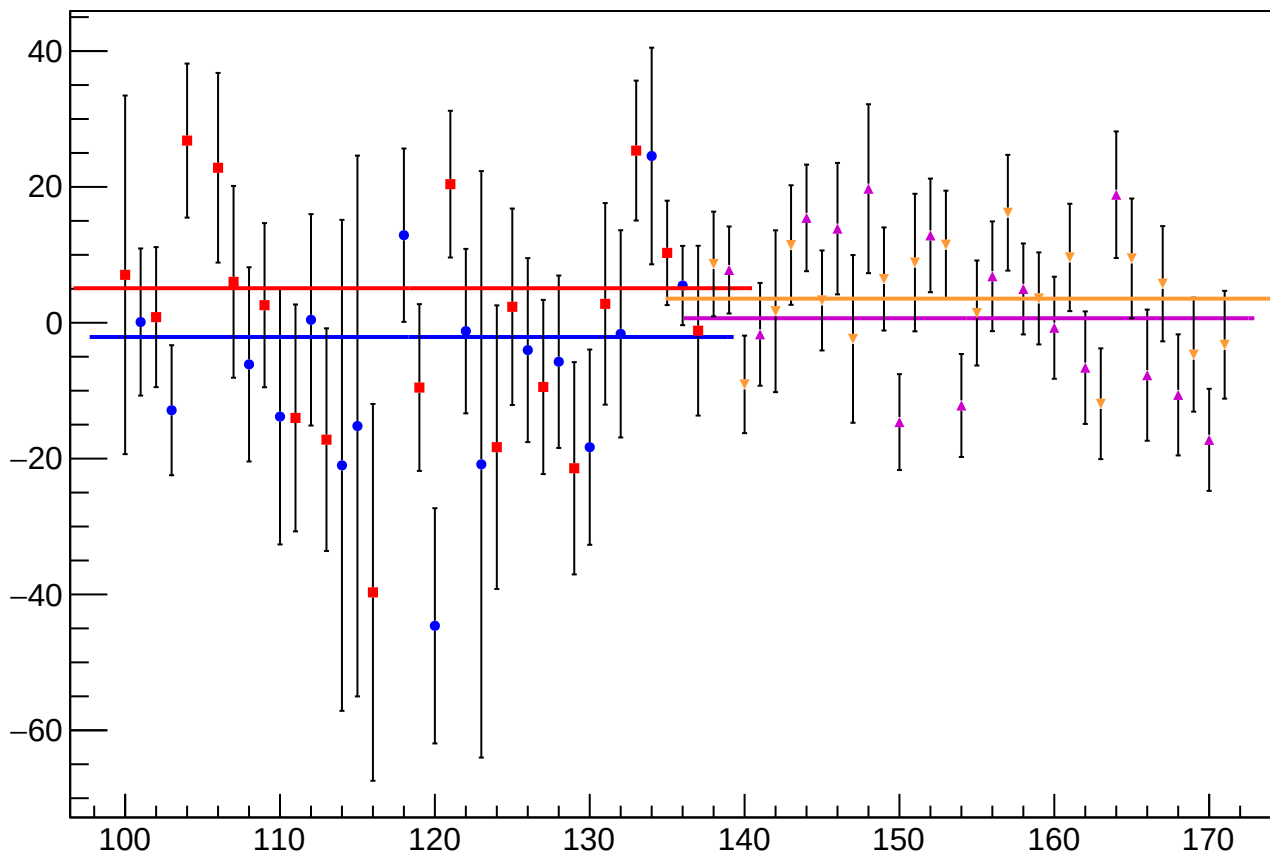
Left In: 9337.795+/-1.877 χ^2/NDF : 228979.9/15

+ sign 10047.299+/-1.629 χ^2/NDF : 2016950.9/34

All: 10171.859+/-1.174 χ^2/NDF : 4169442.7/6

- sign 10306.676+/-1.695 χ^2/NDF : 2140318.0/34

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 3.549 ± 1.945 χ^2/NDF : 14.7/17

Right Out: 5.085 ± 2.962 χ^2/NDF : 24.8/18

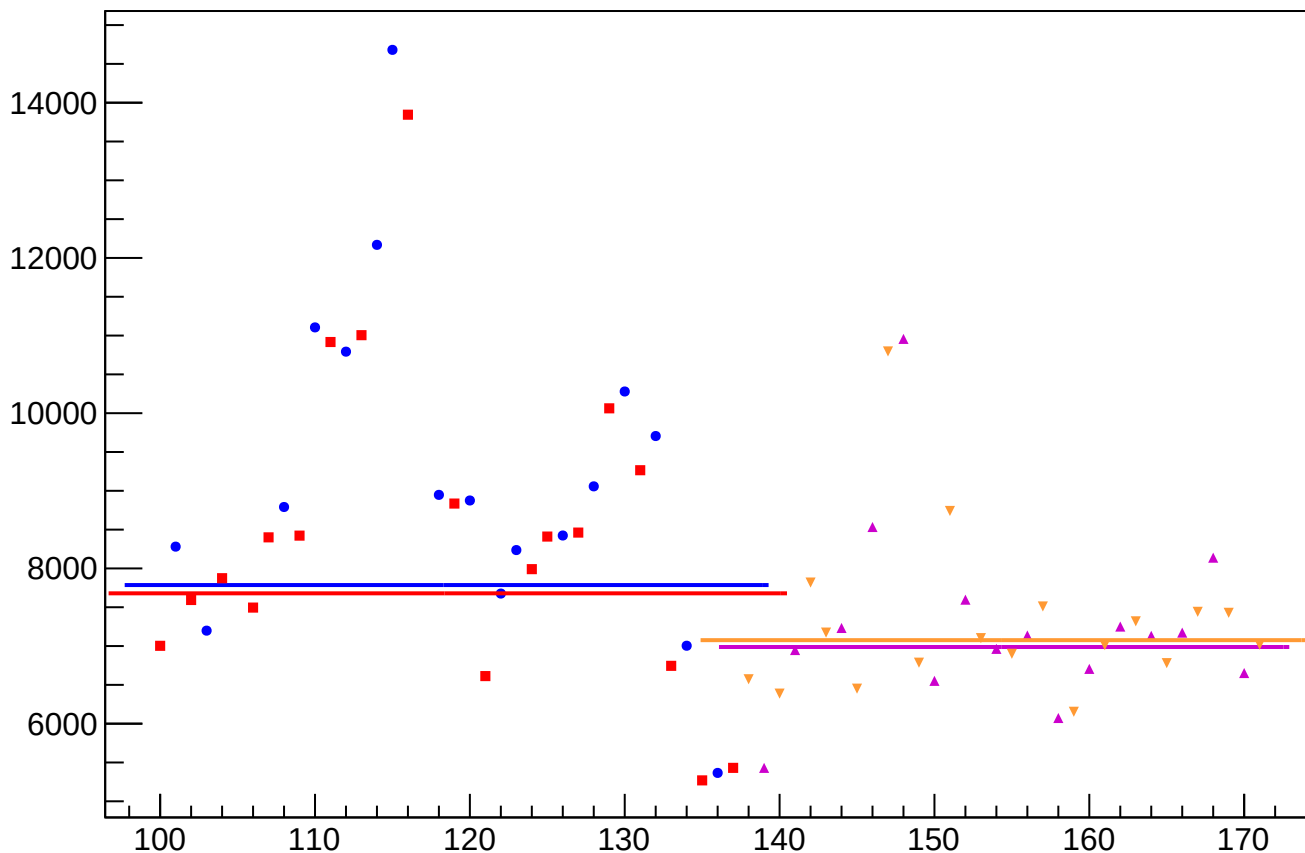
Left In: 0.664 ± 2.002 χ^2/NDF : 32.4/15

+ sign 1.959 ± 1.649 χ^2/NDF : 32.7/34

All: 2.004 ± 1.169 χ^2/NDF : 91.4/69

- sign 2.051 ± 1.659 χ^2/NDF : 58.7/34

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7075.868+/-1.375 χ^2/NDF : 342679.0/17

Right Out: 7679.182+/-2.095 χ^2/NDF : 668736.8/18

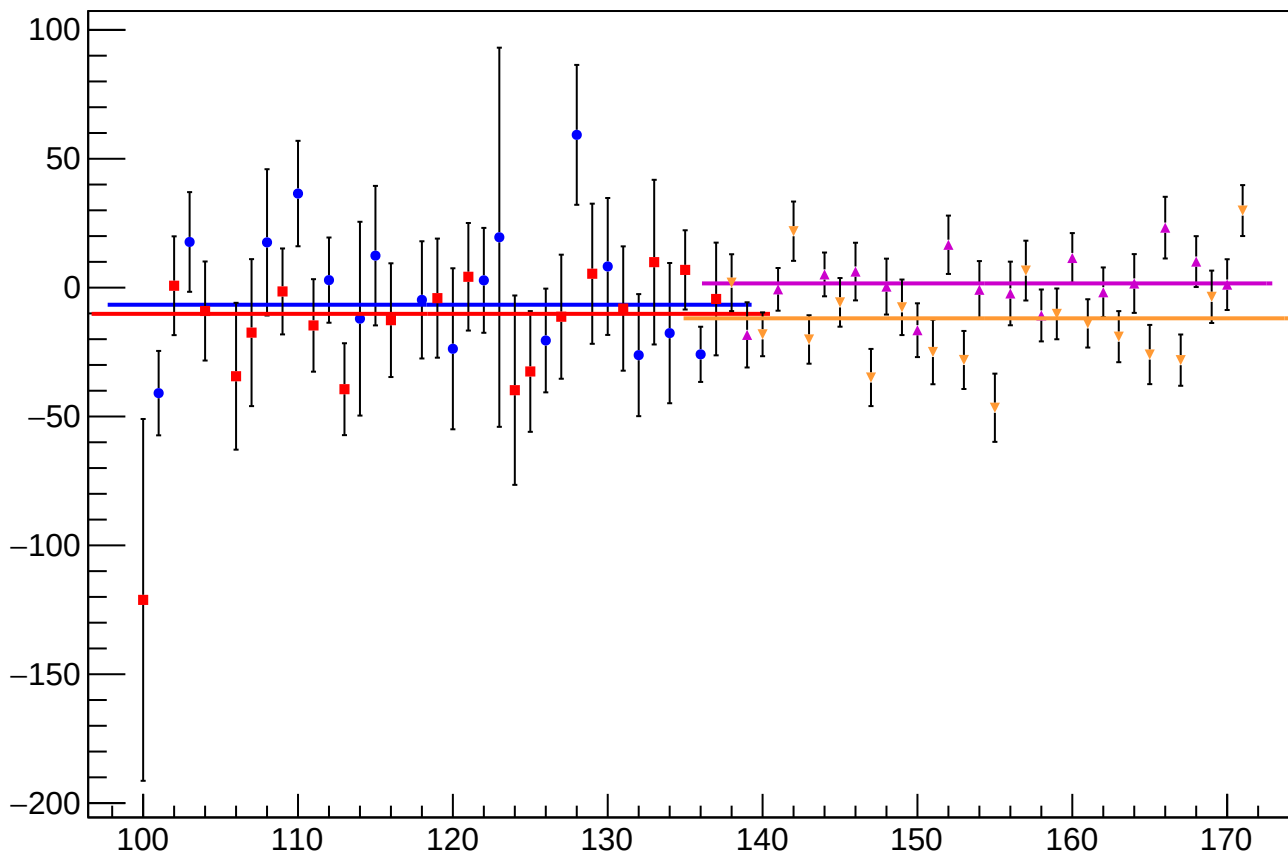
Left In: 6987.722+/-1.416 χ^2/NDF : 474601.6/15

+ sign 7275.867+/-1.166 χ^2/NDF : 1155842.3/34

All: 7240.435+/-0.827 χ^2/NDF : 2375841.0/69

- sign 7204.565+/-1.173 χ^2/NDF : 1218139.9/34

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -11.905 ± 2.456 χ^2/NDF : 52.2/17

Right Out: -10.172 ± 5.075 χ^2/NDF : 10.8/18

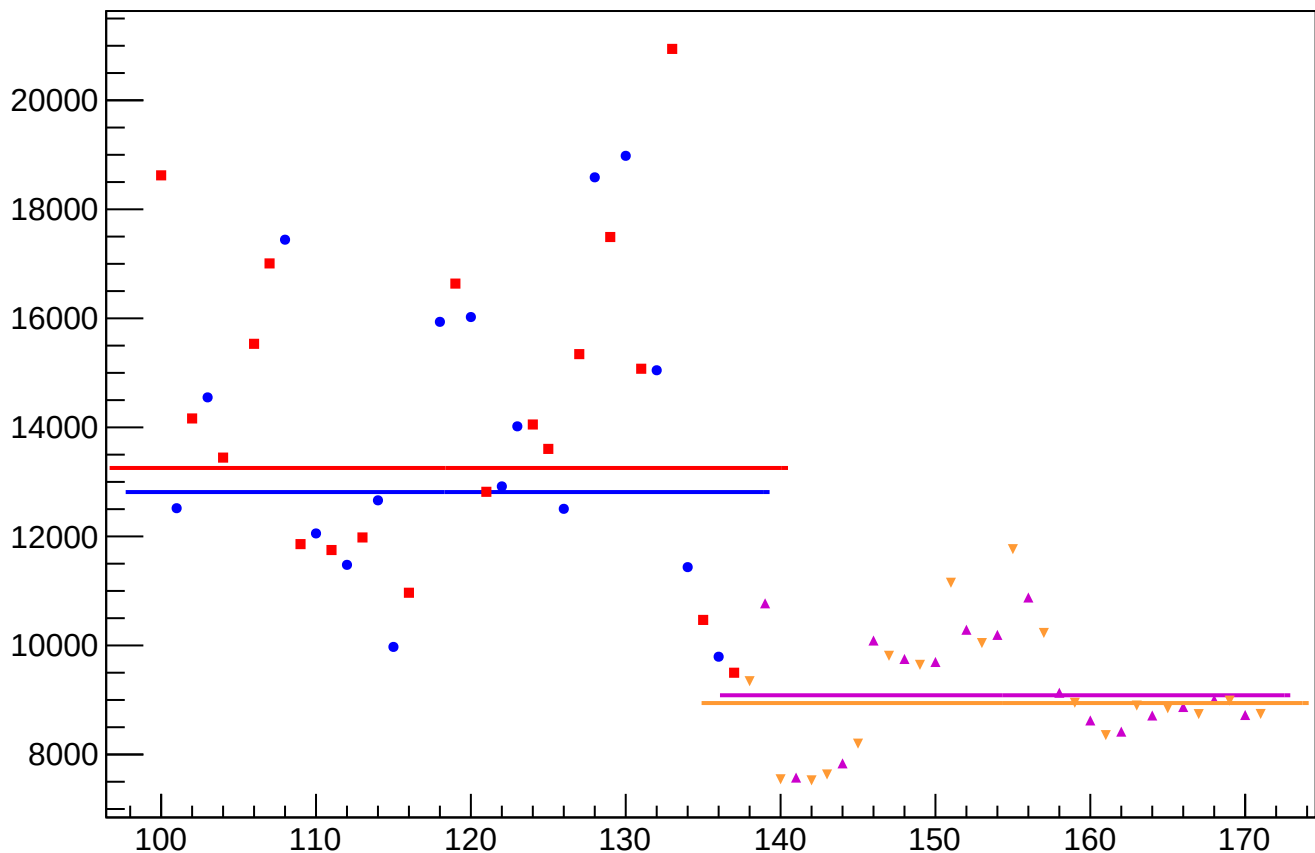
Left In: 1.639 ± 2.587 χ^2/NDF : 14.6/15

+ sign -10.913 ± 2.213 χ^2/NDF : 76.5/34

All: -6.061 ± 1.596 χ^2/NDF : 116.2/69

- sign -0.797 ± 2.305 χ^2/NDF : 29.6/34

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8943.453+/-1.737 χ^2/NDF : 365597.6/17

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

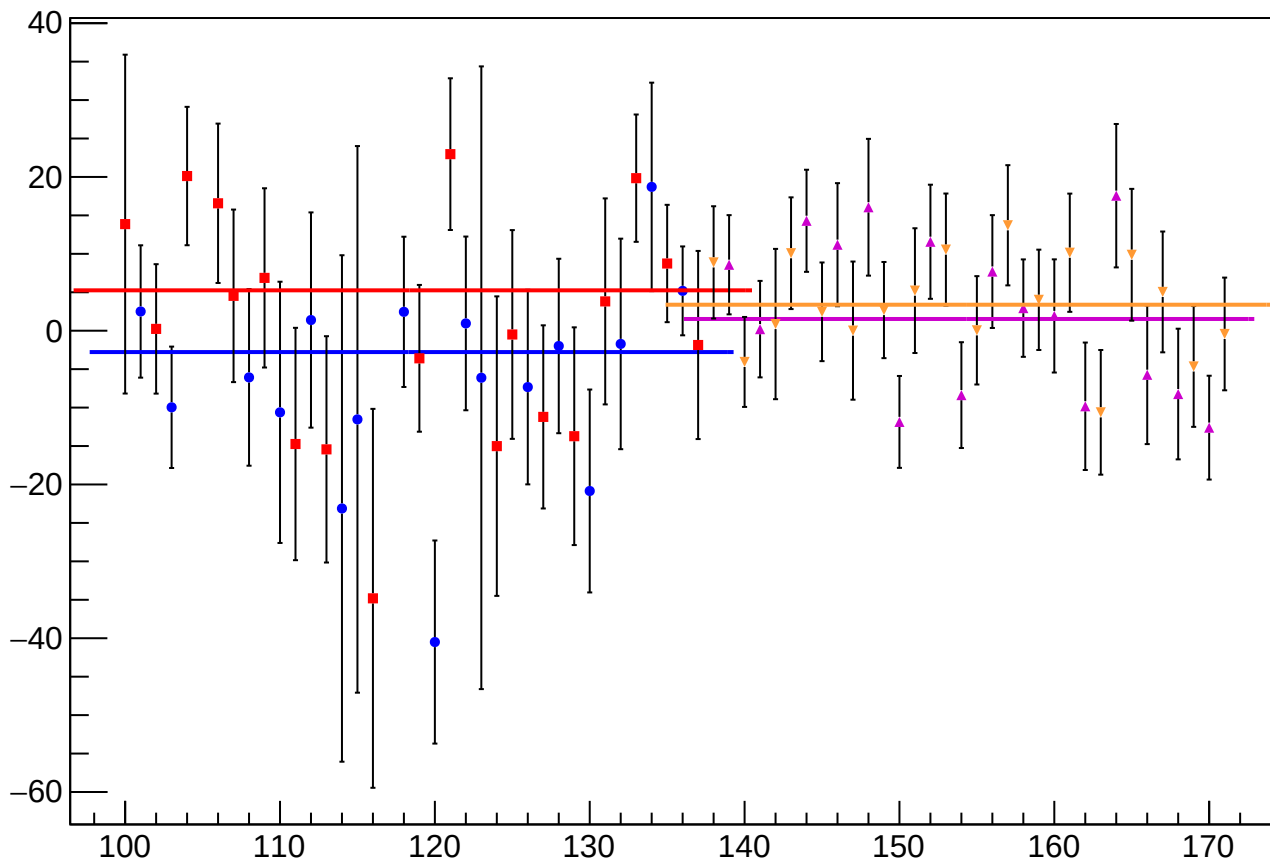
Left In: 9086.217+/-1.829 χ^2/NDF : 280156.6/15

+ sign 9671.712+/-1.565 χ^2/NDF : 1848297.3/34

All: 9803.346+/-1.129 χ^2/NDF : 3699038.8/69

- sign 9946.132+/-1.630 χ^2/NDF : 1835987.7/34

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.381 ± 1.740 χ^2/NDF : 12.0/17

Right Out: 5.252 ± 2.590 χ^2/NDF : 23.5/18

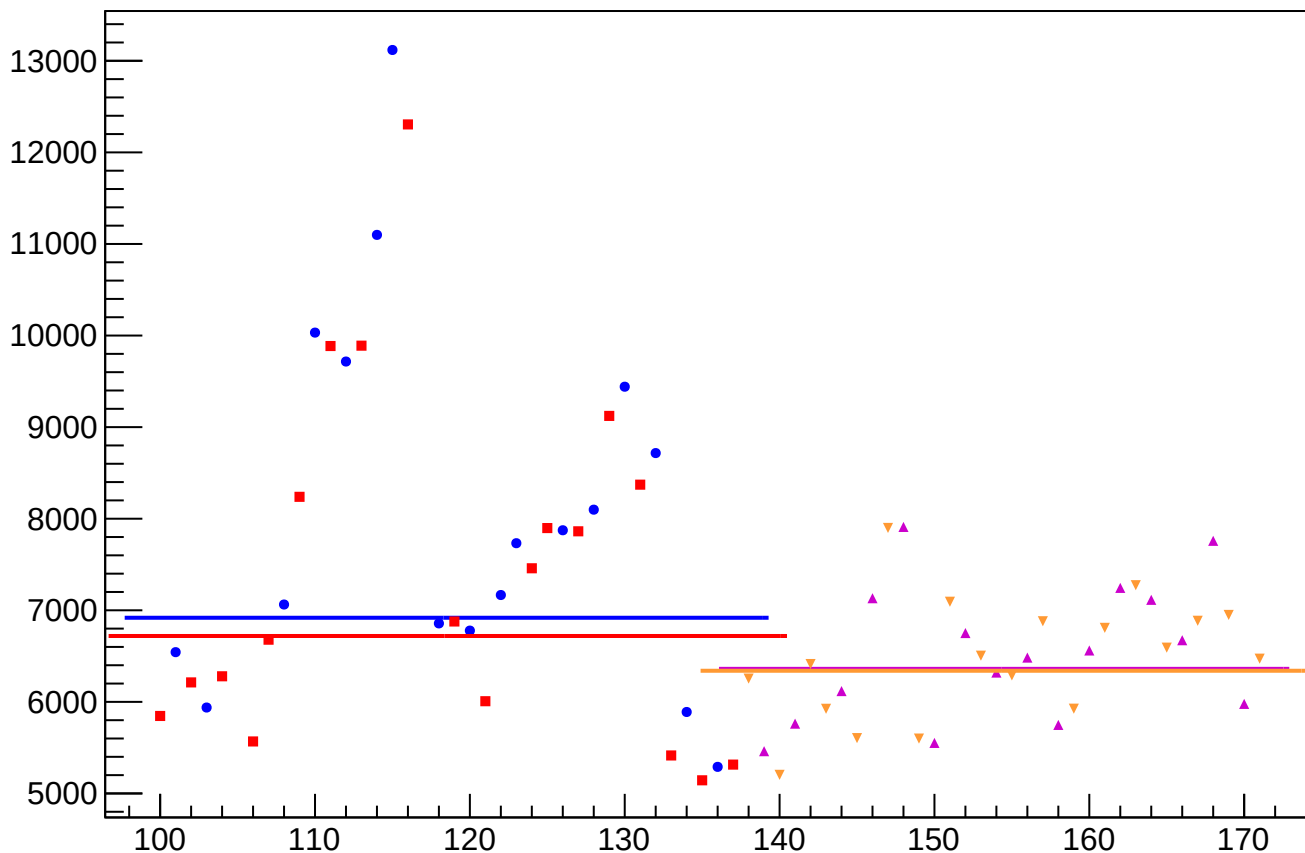
Left In: 1.526 ± 1.815 χ^2/NDF : 29.9/15

+ sign 1.618 ± 1.470 χ^2/NDF : 32.6/34

All: 2.179 ± 1.045 χ^2/NDF : 87.7/69

- sign 2.753 ± 1.486 χ^2/NDF : 54.8/34

diff_bpm4ecY_rms vs Slug



Right In: 6918.554 ± 1.943 $\chi^2/\text{NDF}: 587976.6/16$

Left Out: 6339.793 ± 1.230 $\chi^2/\text{NDF}: 290973.5/17$

Right Out: 6719.404 ± 1.831 $\chi^2/\text{NDF}: 653831.7/18$

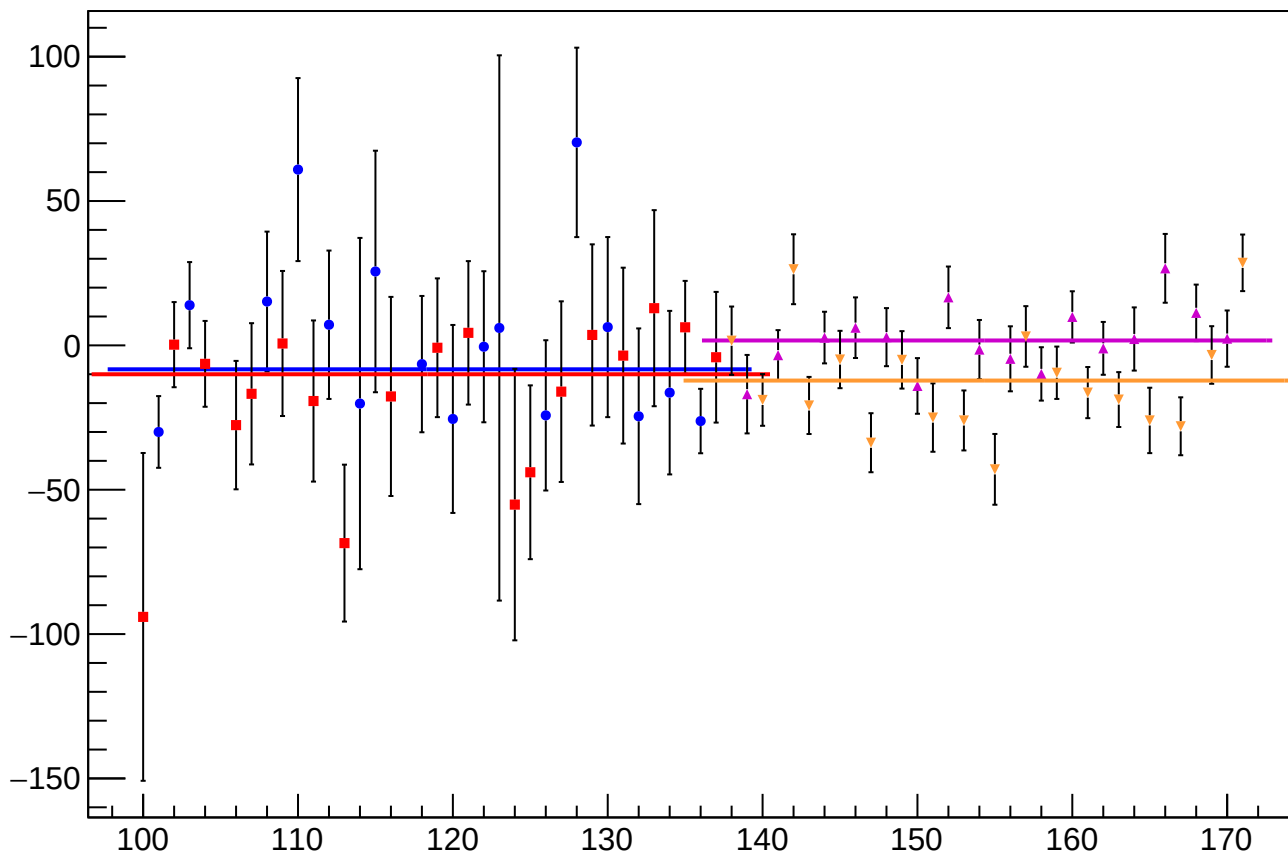
Left In: 6360.682 ± 1.283 $\chi^2/\text{NDF}: 300661.3/15$

+ sign 6505.488 ± 1.039 $\chi^2/\text{NDF}: 942306.3/34$

All: 6492.302 ± 0.739 $\chi^2/\text{NDF}: 1922862.8/69$

- sign 6478.824 ± 1.051 $\chi^2/\text{NDF}: 980231.0/34$

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -12.186 ± 2.406 χ^2/NDF : 52.5/17

Right Out: -10.007 ± 5.513 χ^2/NDF : 12.9/18

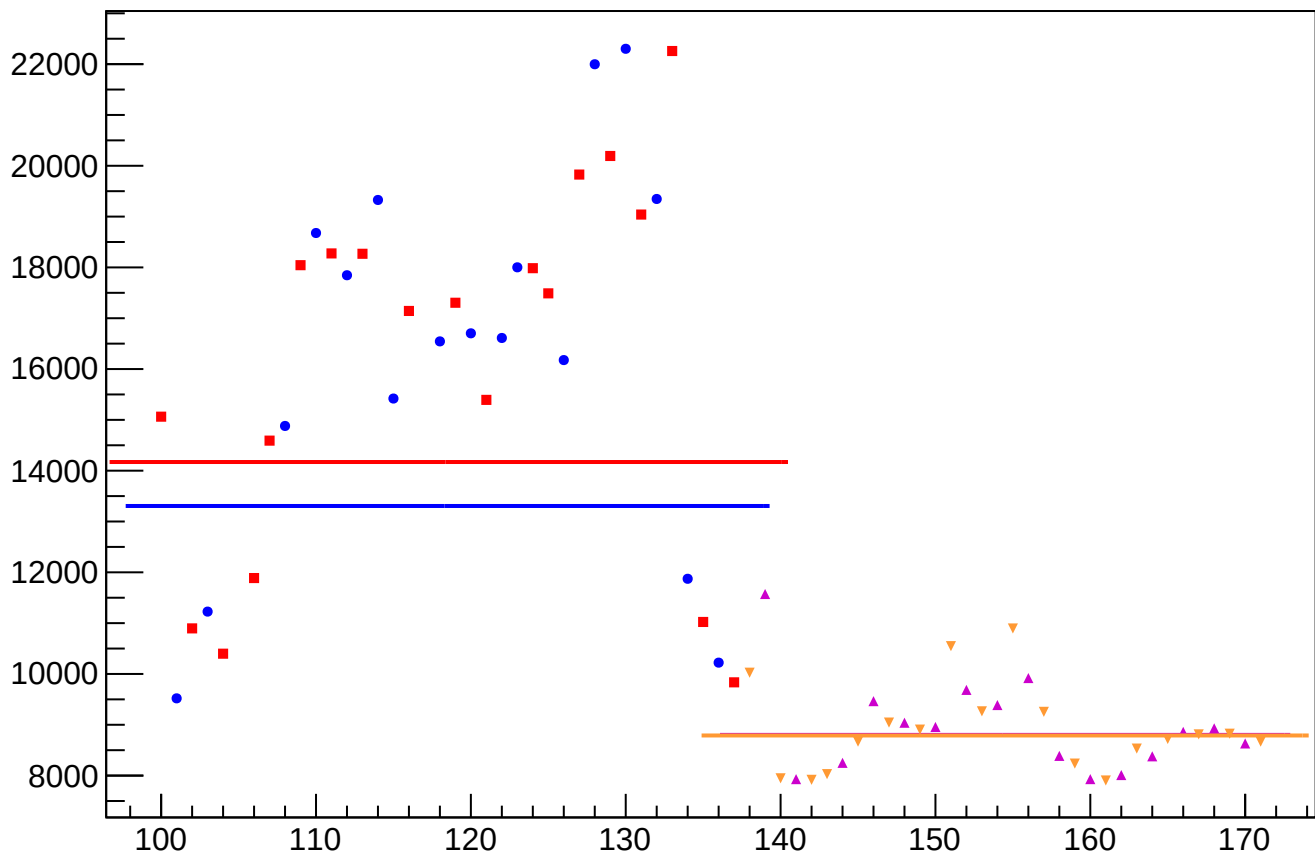
Left In: 1.697 ± 2.501 χ^2/NDF : 15.3/15

+ sign -11.542 ± 2.198 χ^2/NDF : 74.7/34

All: -6.122 ± 1.582 χ^2/NDF : 119.3/69

- sign -0.301 ± 2.278 χ^2/NDF : 32.0/34

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8789.455+/-1.701 χ^2/NDF : 204008.9/17

Right Out: 14170.668+/-3.898 χ^2/NDF : 930612.1/18

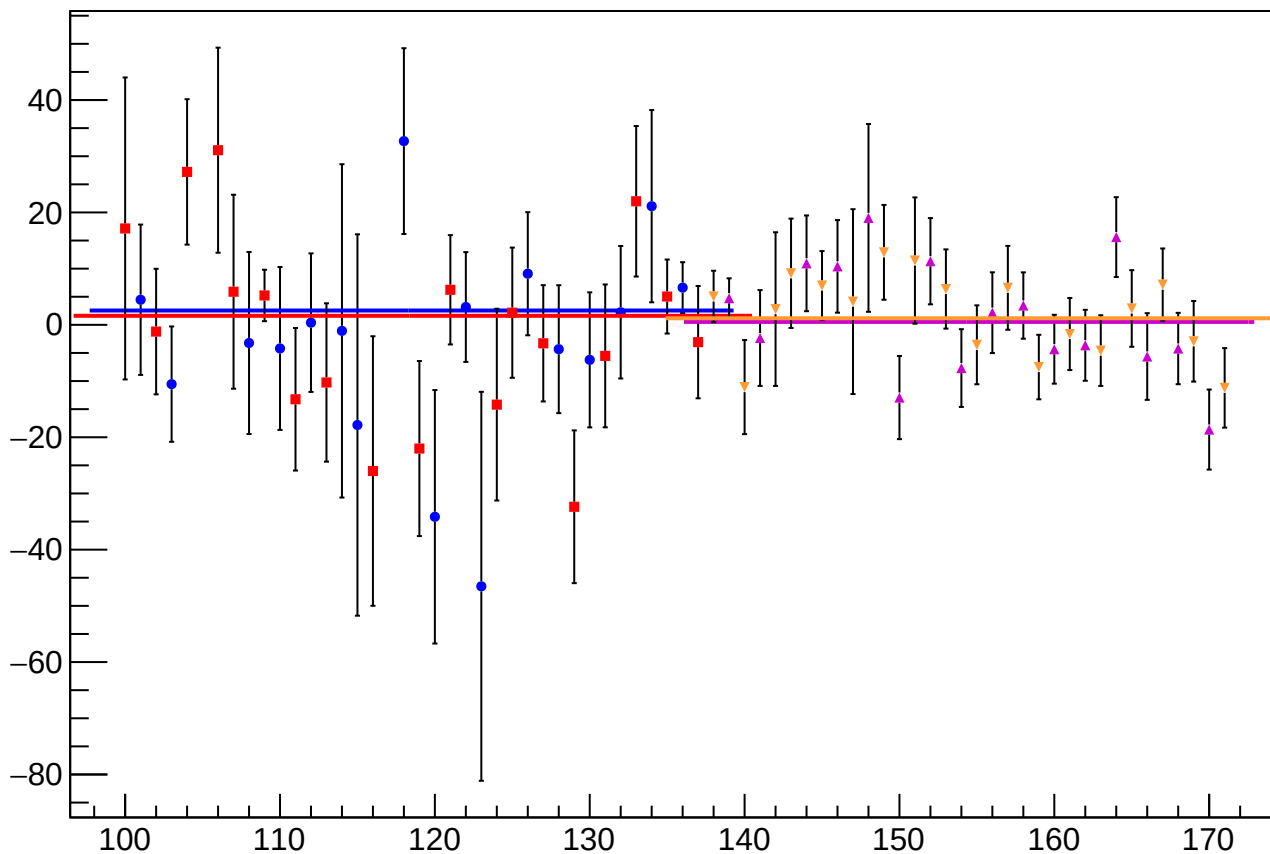
Left In: 8800.971+/-1.769 χ^2/NDF : 202787.2/15

+ sign 9534.988+/-1.554 χ^2/NDF : 2411564.2/34

All: 9623.090+/-1.118 χ^2/NDF : 5125026.3/69

- sign 9717.698+/-1.611 χ^2/NDF : 2706799.5/34

diff_bpm1Y_mean vs Slug



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 1.170 ± 1.681 χ^2/NDF : 16.4/17

Right Out: 1.613 ± 2.442 χ^2/NDF : 24.0/18

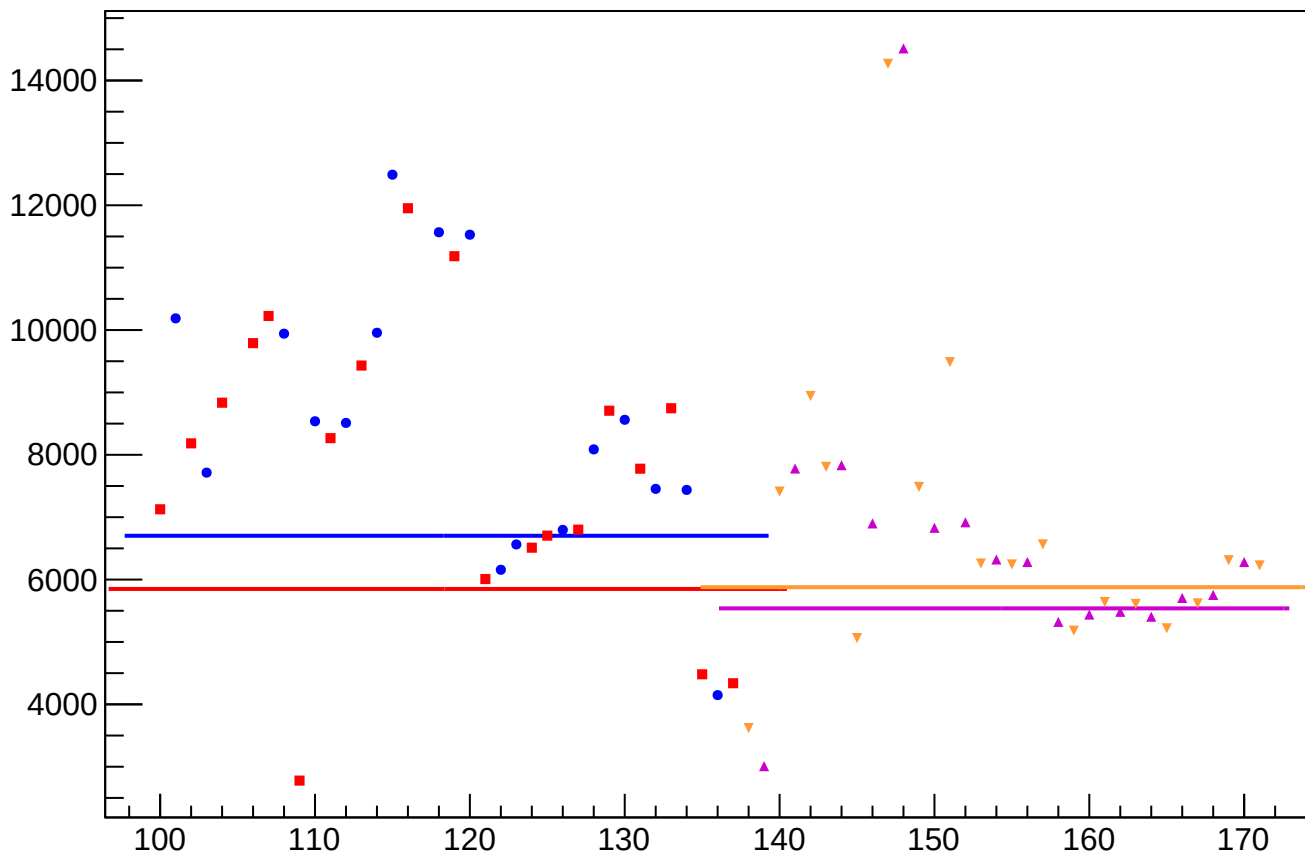
Left In: 0.528 ± 1.660 χ^2/NDF : 26.7/15

+ sign 1.545 ± 1.435 χ^2/NDF : 30.2/34

All: 1.193 ± 0.992 χ^2/NDF : 81.2/69

- sign 0.871 ± 1.373 χ^2/NDF : 50.8/34

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5878.137+/-1.189 χ^2/NDF : 1665469.1/17

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

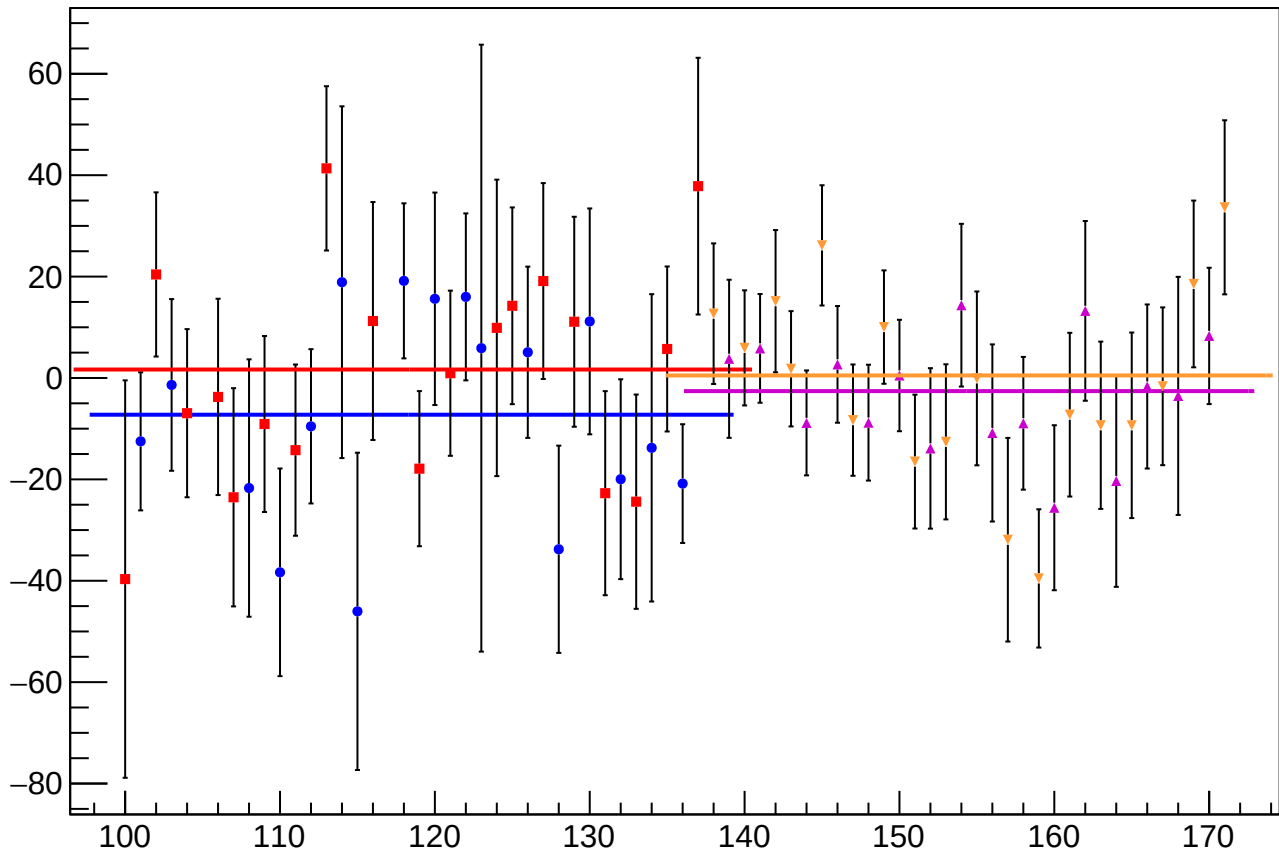
Left In: 5538.358+/-1.173 χ^2/NDF : 2141596.5/15

+ sign 6101.574+/-1.015 χ^2/NDF : 3185695.1/34

All: 5858.732+/-0.701 χ^2/NDF : 7737558.4/69

- sign 5636.675+/-0.971 χ^2/NDF : 4442282.6/34

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 0.499 ± 3.294 χ^2/NDF : 27.6/17

Right Out: 1.671 ± 4.373 χ^2/NDF : 19.9/18

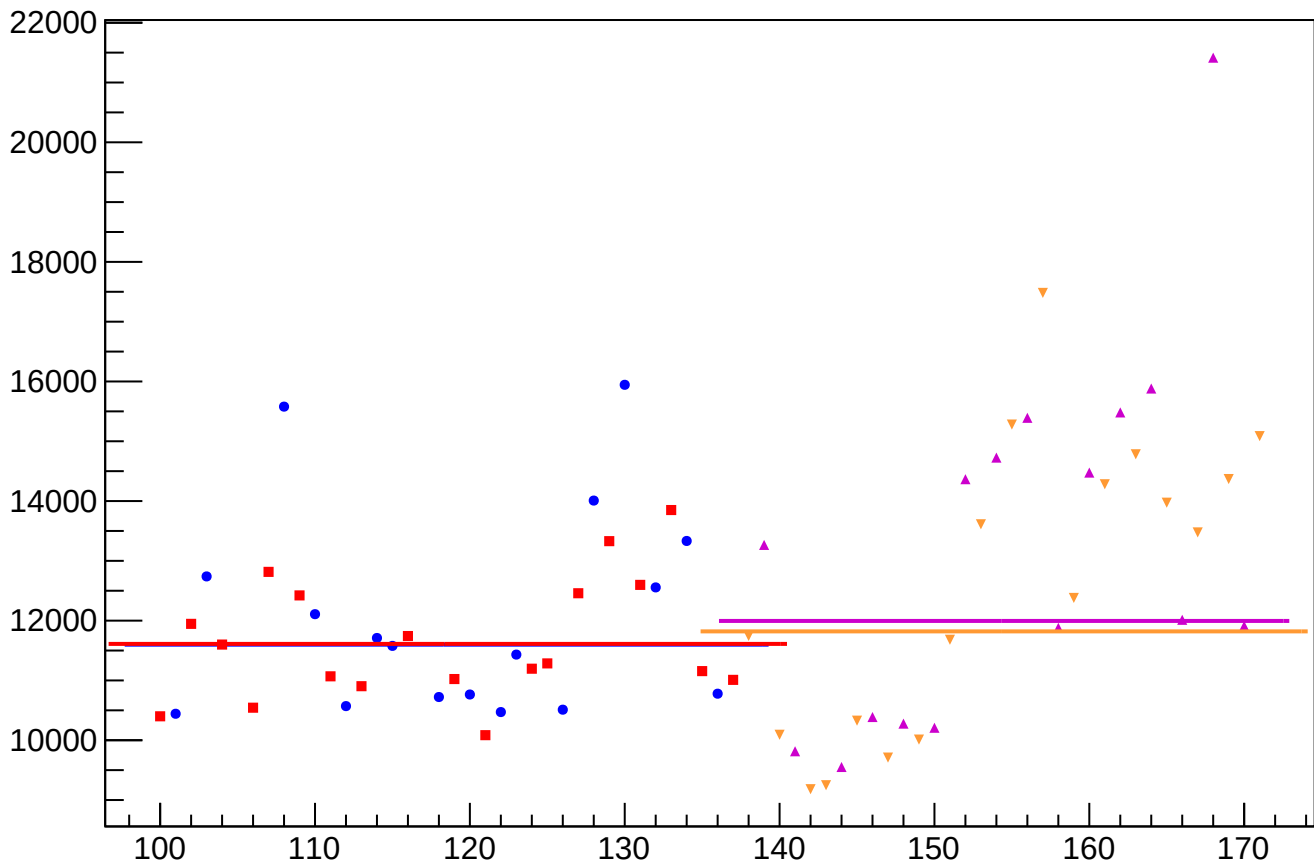
Left In: -2.590 ± 3.470 χ^2/NDF : 8.0/15

+ sign -2.166 ± 2.668 χ^2/NDF : 45.4/34

All: -1.566 ± 1.904 χ^2/NDF : 74.0/69

- sign -0.943 ± 2.718 χ^2/NDF : 28.4/34

diff_bpm11X_rms vs Slug



Right In: 11598.751 ± 3.215 $\chi^2/\text{NDF}: 235423.8/16$

Left Out: 11820.418 ± 2.329 $\chi^2/\text{NDF}: 930459.2/17$

Right Out: 11610.941 ± 3.092 $\chi^2/\text{NDF}: 94447.0/18$

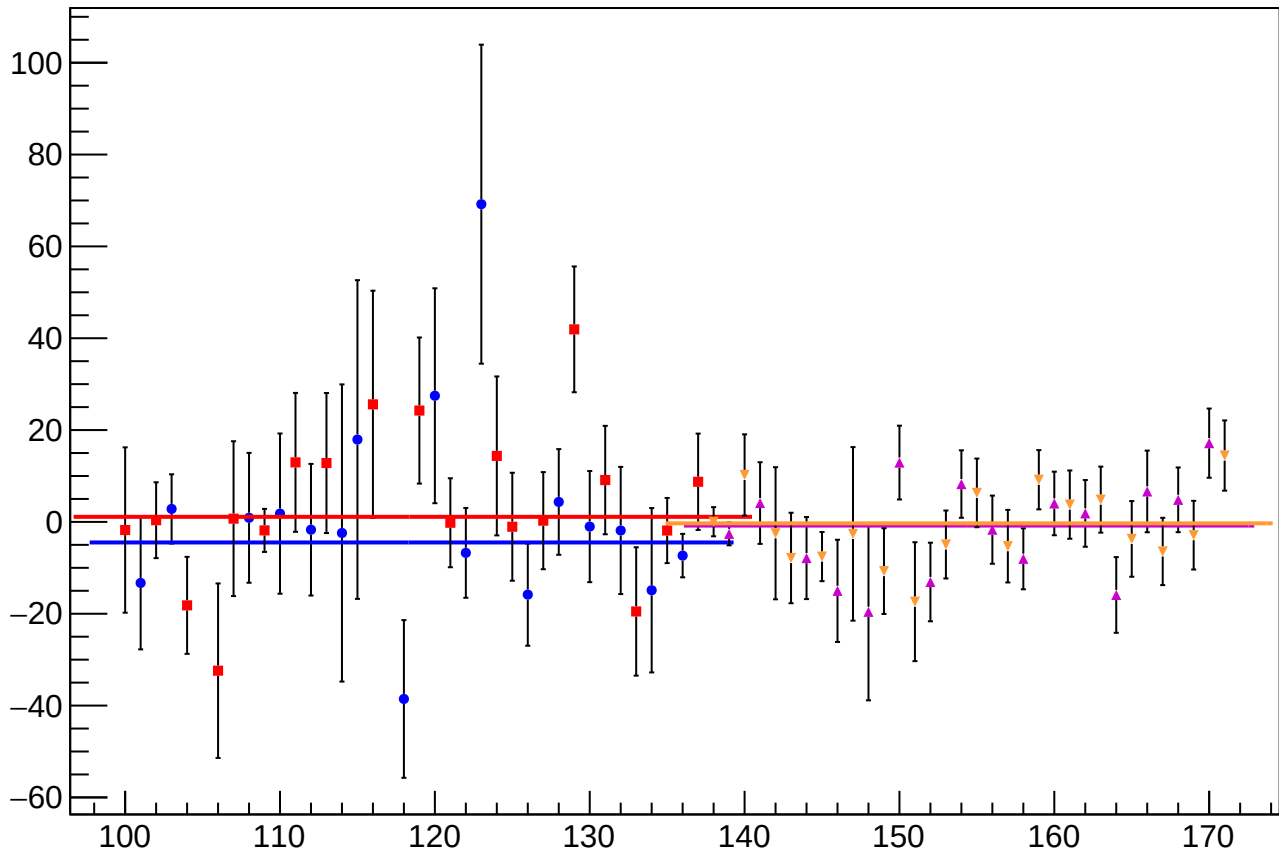
Left In: 11995.086 ± 2.454 $\chi^2/\text{NDF}: 1038058.2/15$

+ sign 11744.125 ± 1.886 $\chi^2/\text{NDF}: 1169000.3/34$

All: 11794.417 ± 1.346 $\chi^2/\text{NDF}: 2312424.1/6$

- sign 11846.645 ± 1.922 $\chi^2/\text{NDF}: 1141974.7/34$

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.310 ± 1.657 χ^2/NDF : 16.1/17

Right Out: 1.105 ± 2.429 χ^2/NDF : 24.0/18

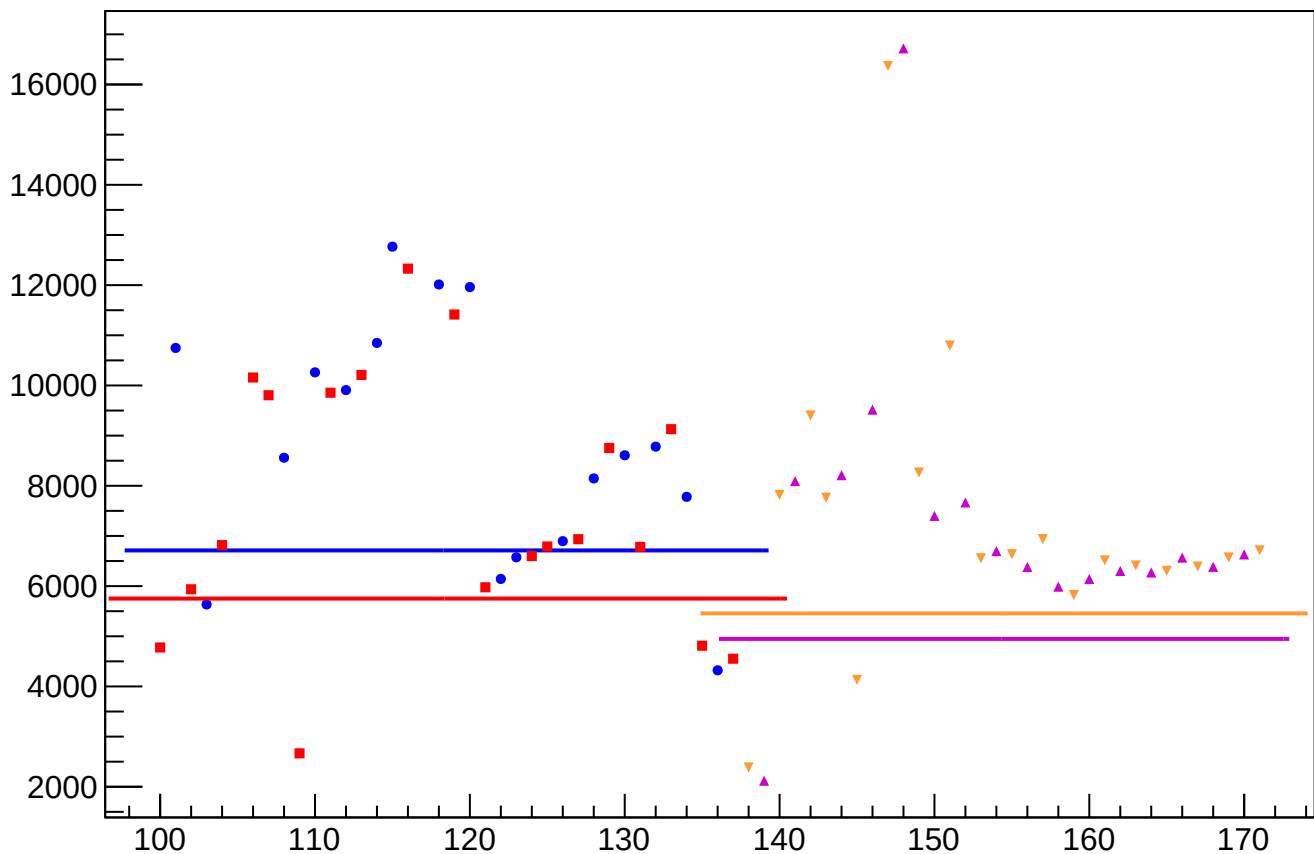
Left In: -0.798 ± 1.600 χ^2/NDF : 22.7/15

+ sign -1.402 ± 1.424 χ^2/NDF : 32.6/34

All: -0.775 ± 0.974 χ^2/NDF : 80.2/69

- sign -0.222 ± 1.336 χ^2/NDF : 47.2/34

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 5455.628+/-1.172 χ^2/NDF : 3980025.9/17

Right Out: 5751.505+/-1.718 χ^2/NDF : 2165110.0/18

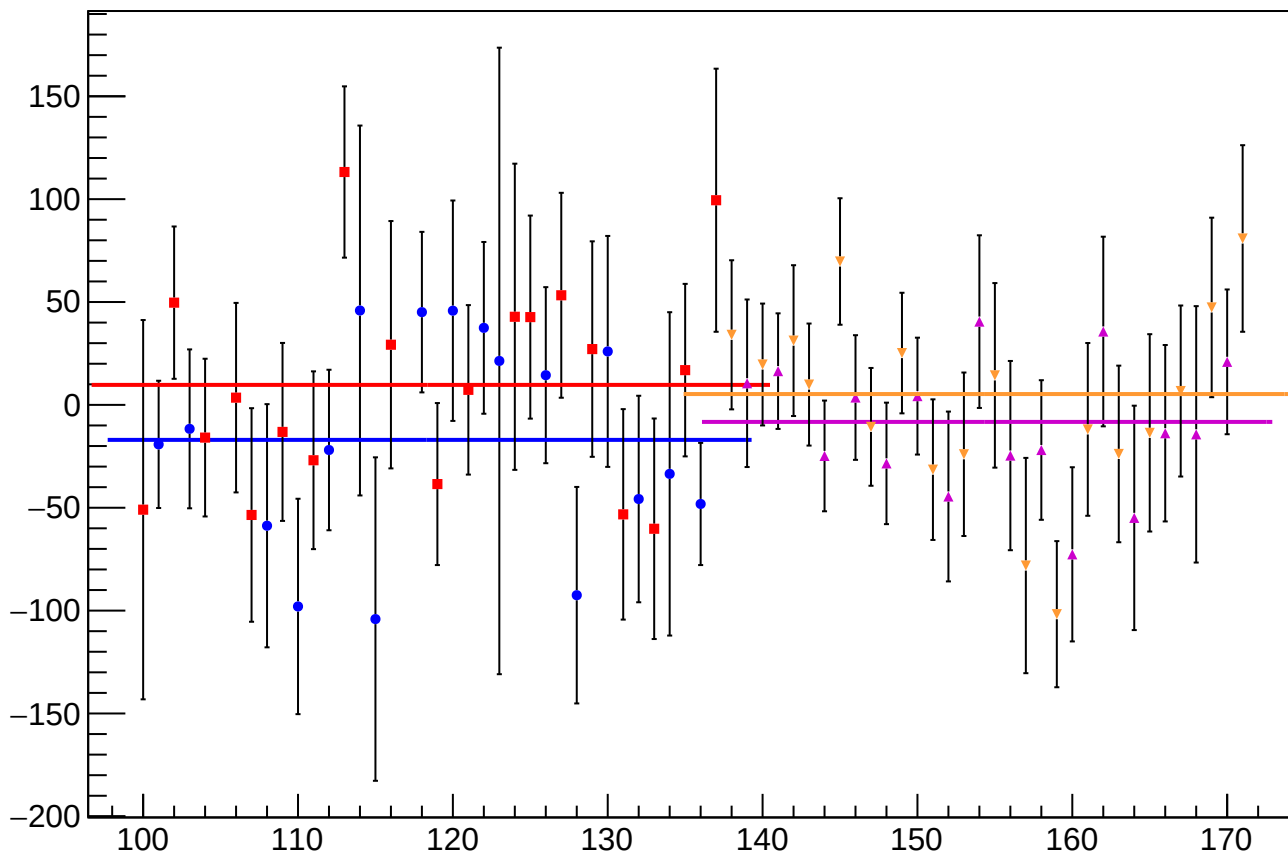
Left In: 4947.708+/-1.132 χ^2/NDF : 5232148.3/15

+ sign 5784.679+/-1.007 χ^2/NDF : 5727878.3/34

All: 5469.033+/-0.689 χ^2/NDF : 13462733.1/6

- sign 5190.997+/-0.945 χ^2/NDF : 7549985.3/34

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 5.267 ± 8.605 χ^2/NDF : 24.4/17

Right Out: 9.719 ± 10.891 χ^2/NDF : 19.1/18

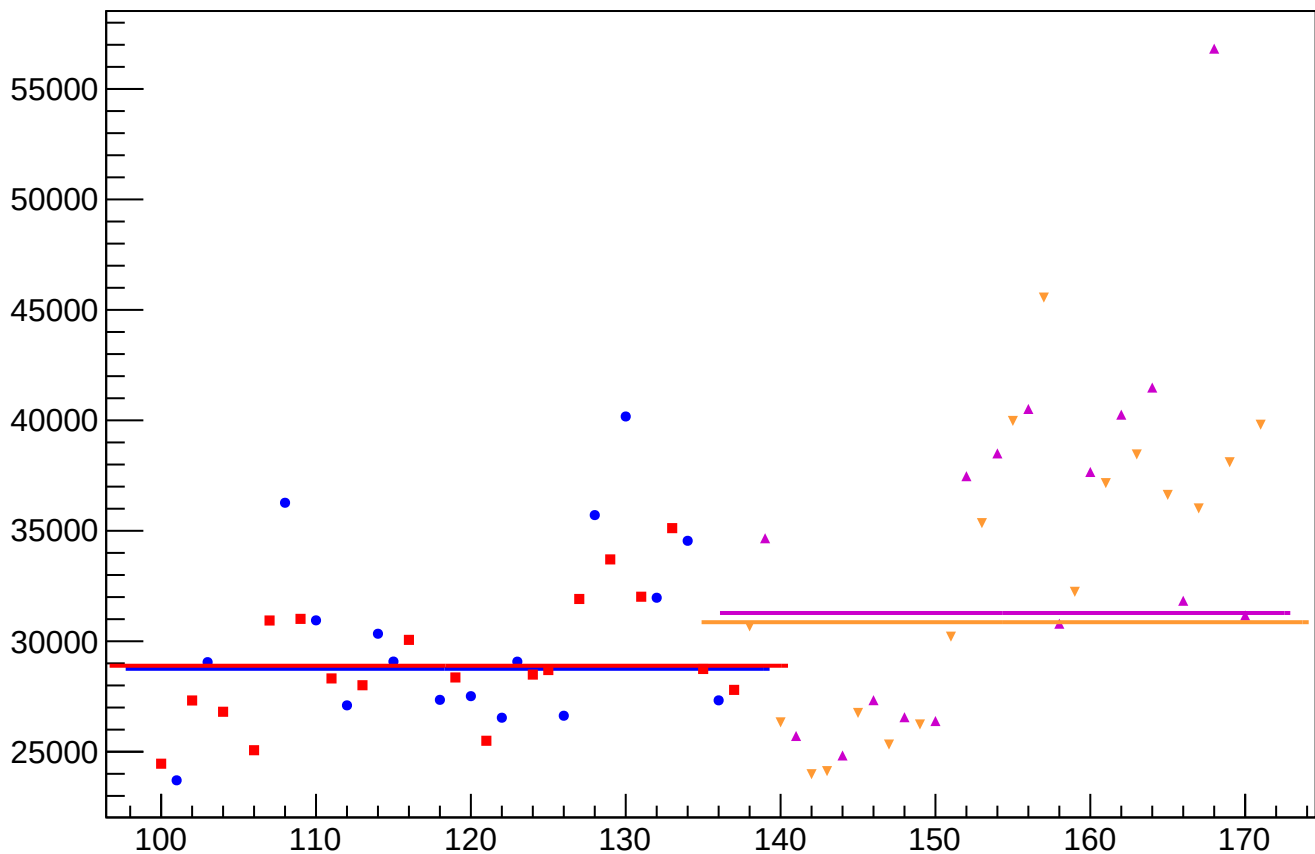
Left In: -8.274 ± 9.055 χ^2/NDF : 9.3/15

+ sign -2.922 ± 6.843 χ^2/NDF : 41.8/34

All: -1.938 ± 4.881 χ^2/NDF : 71.8/69

- sign -0.920 ± 6.963 χ^2/NDF : 29.9/34

diff_bpm12X_rms vs Slug



Right In: 28753.787 $\pm$ 7.981 χ^2 /NDF: 249215.1/16

Left Out: 30863.093 $\pm$ 6.085 χ^2 /NDF: 950443.2/17

Right Out: 28892.154 $\pm$ 7.701 χ^2 /NDF: 111241.2/18

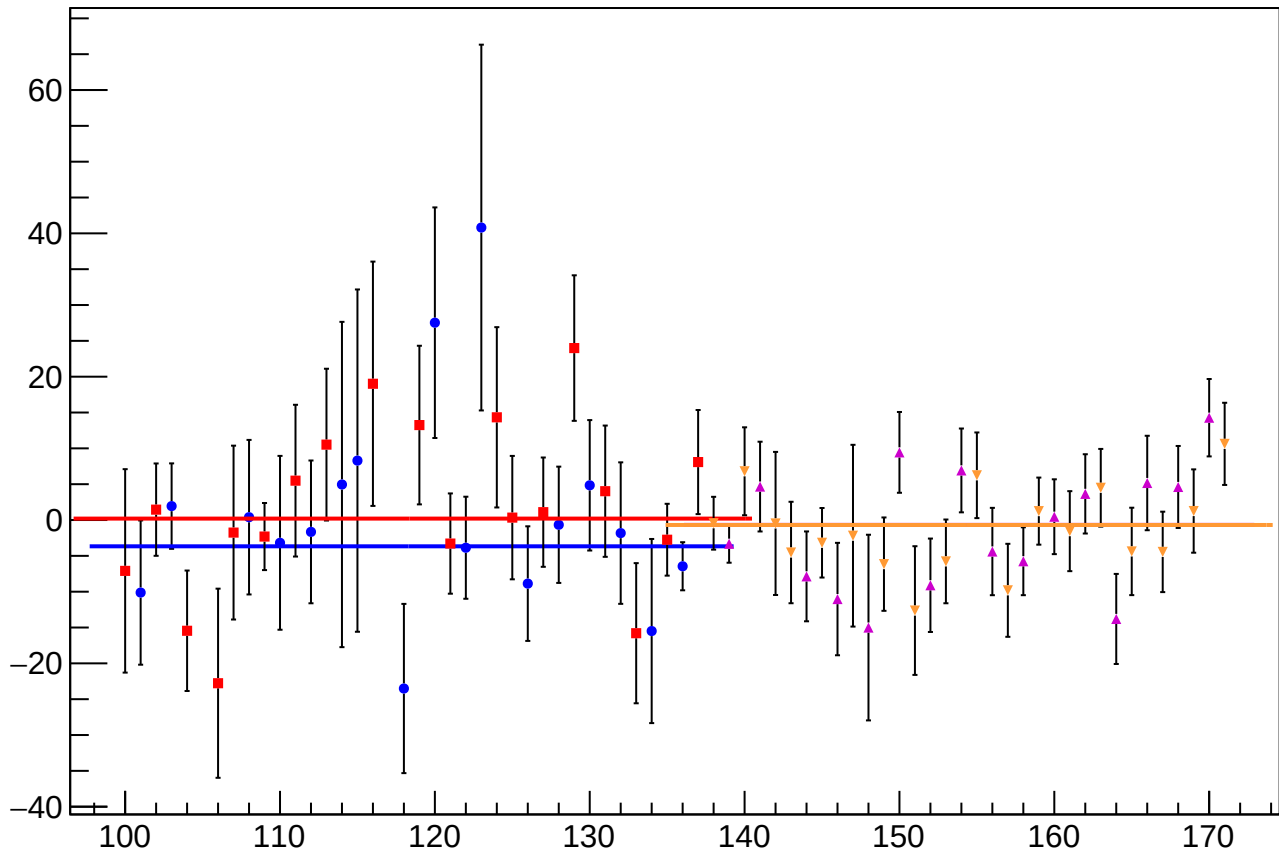
Left In: 31280.065 $\pm$ 6.403 χ^2 /NDF: 1064643.7/15

+ sign 30087.735 $\pm$ 4.839 χ^2 /NDF: 1243830.0/34

All: 30194.032 $\pm$ 3.451 χ^2 /NDF: 2477548.9/6

- sign 30304.068 $\pm$ 4.923 χ^2 /NDF: 1232736.8/34

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.691 ± 1.378 χ^2/NDF : 14.6/17

Right Out: 0.199 ± 1.893 χ^2/NDF : 22.3/18

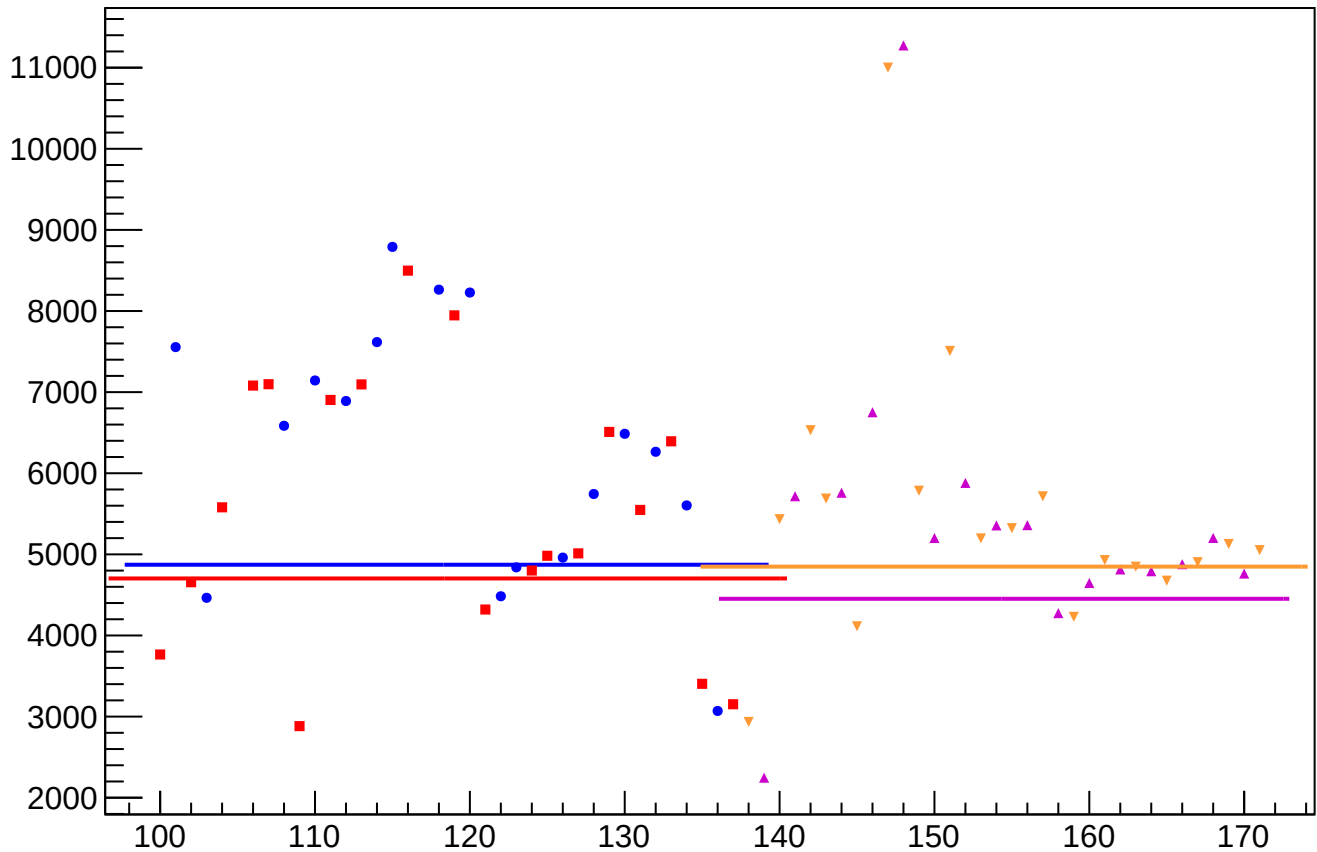
Left In: -0.679 ± 1.343 χ^2/NDF : 28.4/15

+ sign -1.643 ± 1.137 χ^2/NDF : 30.5/34

All: -0.991 ± 0.789 χ^2/NDF : 82.1/69

- sign -0.385 ± 1.095 χ^2/NDF : 50.9/34

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4848.812+/-0.975 χ^2/NDF : 1476278.6/17

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

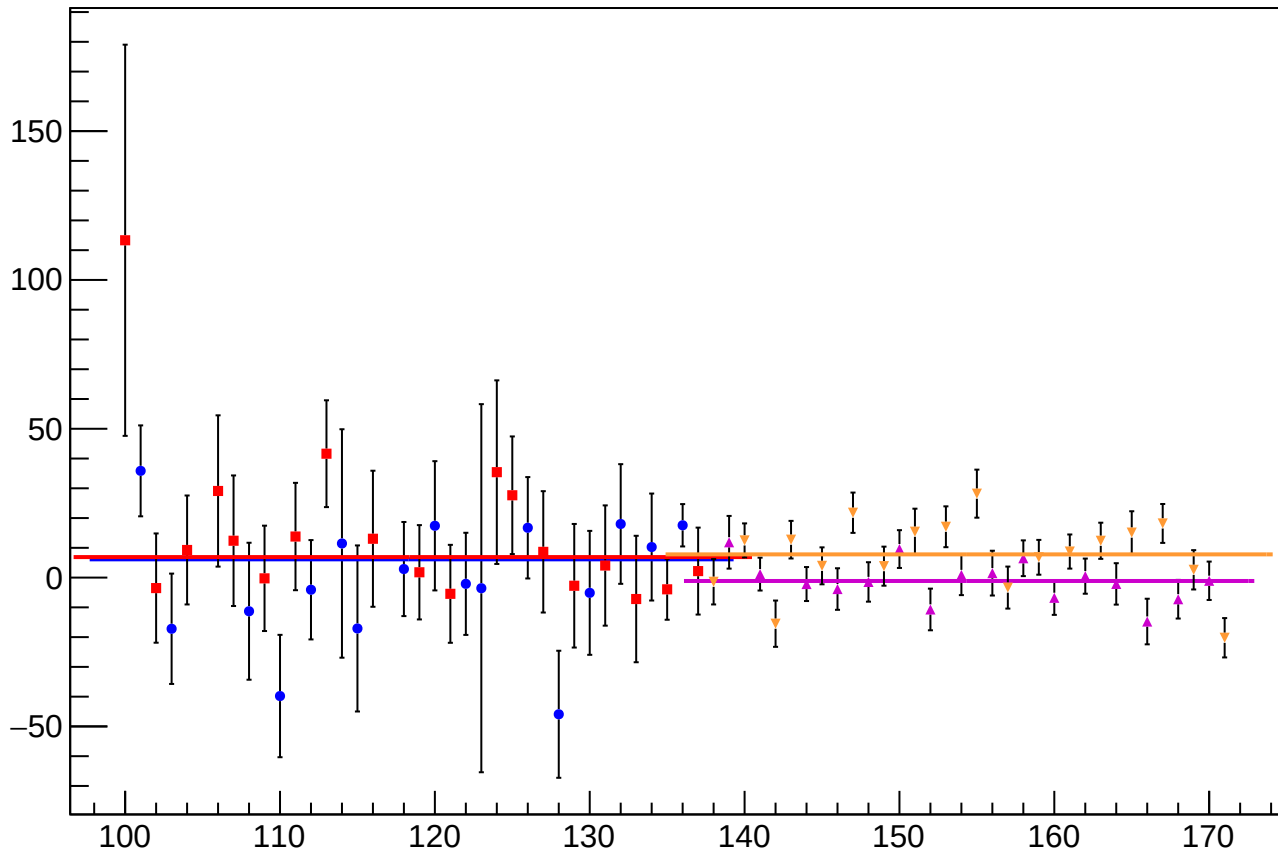
Left In: 4452.214+/-0.950 χ^2/NDF : 2576956.9/15

+ sign 4856.263+/-0.804 χ^2/NDF : 2881714.5/34

All: 4690.312+/-0.558 χ^2/NDF : 6876960.8/69

- sign 4536.208+/-0.775 χ^2/NDF : 3913030.0/34

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 7.801 ± 1.563 χ^2/NDF : 51.2/17

Right Out: 6.892 ± 4.224 χ^2/NDF : 12.5/18

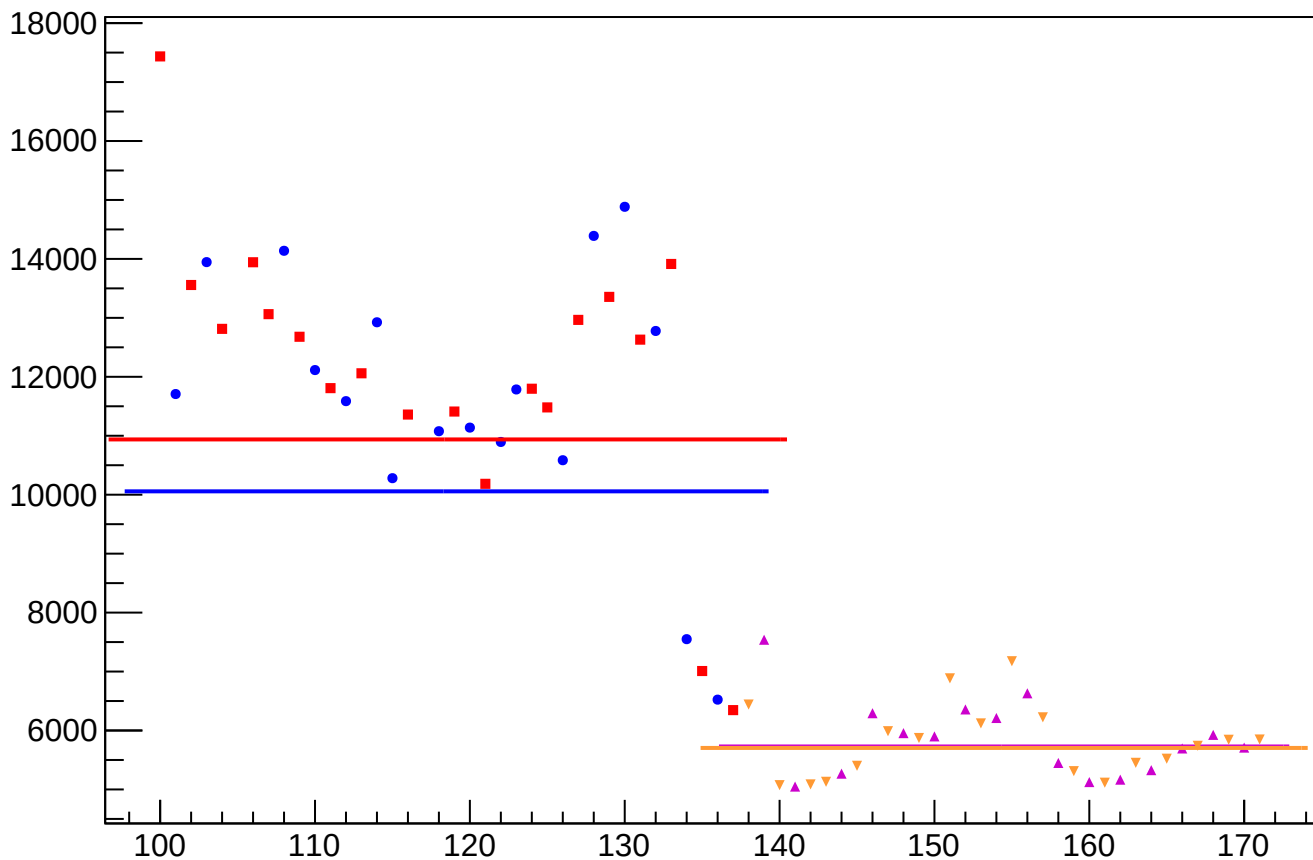
Left In: -1.139 ± 1.630 χ^2/NDF : 14.2/15

+ sign 7.588 ± 1.460 χ^2/NDF : 73.5/34

All: 3.902 ± 1.053 χ^2/NDF : 116.6/69

- sign -0.098 ± 1.521 χ^2/NDF : 29.8/34

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2/NDF : 1002872.6/16

Left Out: 5704.134 $\pm$ 1.105 χ^2/NDF :249969.0/17

+ sign 6261.159 $\pm$ 1.032 χ^2/NDF : 3237788.8/34

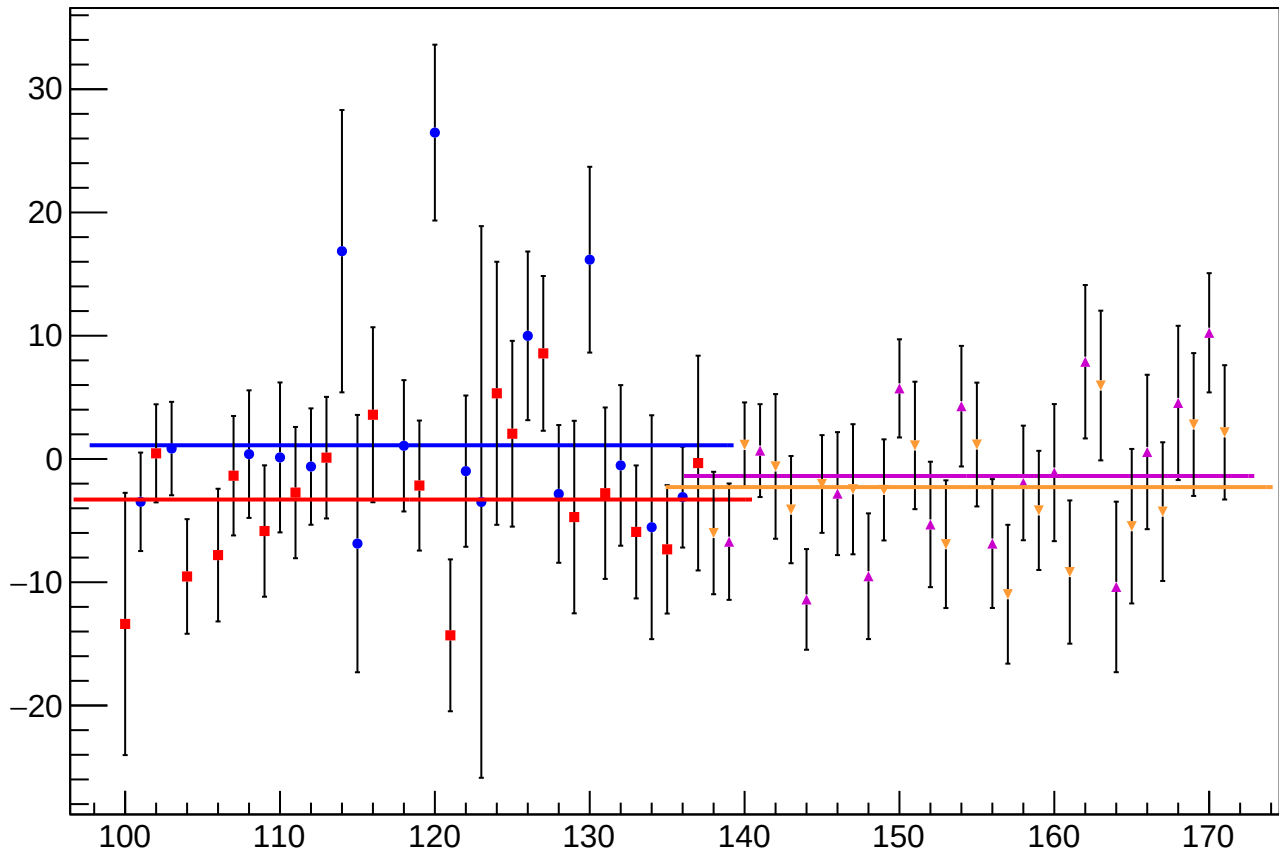
Right Out: 10937.573 $\pm$ 2.987 χ^2/NDF : 762909.5/18

All: 6329.608 $\pm$ 0.745 χ^2/NDF : 6908514.8/69

Left In: 5729.019 $\pm$ 1.152 χ^2/NDF :252176.4/15

- sign 6403.900 $\pm$ 1.075 χ^2/NDF : 3661553.6/34

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.282 ± 1.169 χ^2/NDF : 11.1/17

Right Out: -3.290 ± 1.334 χ^2/NDF : 15.1/18

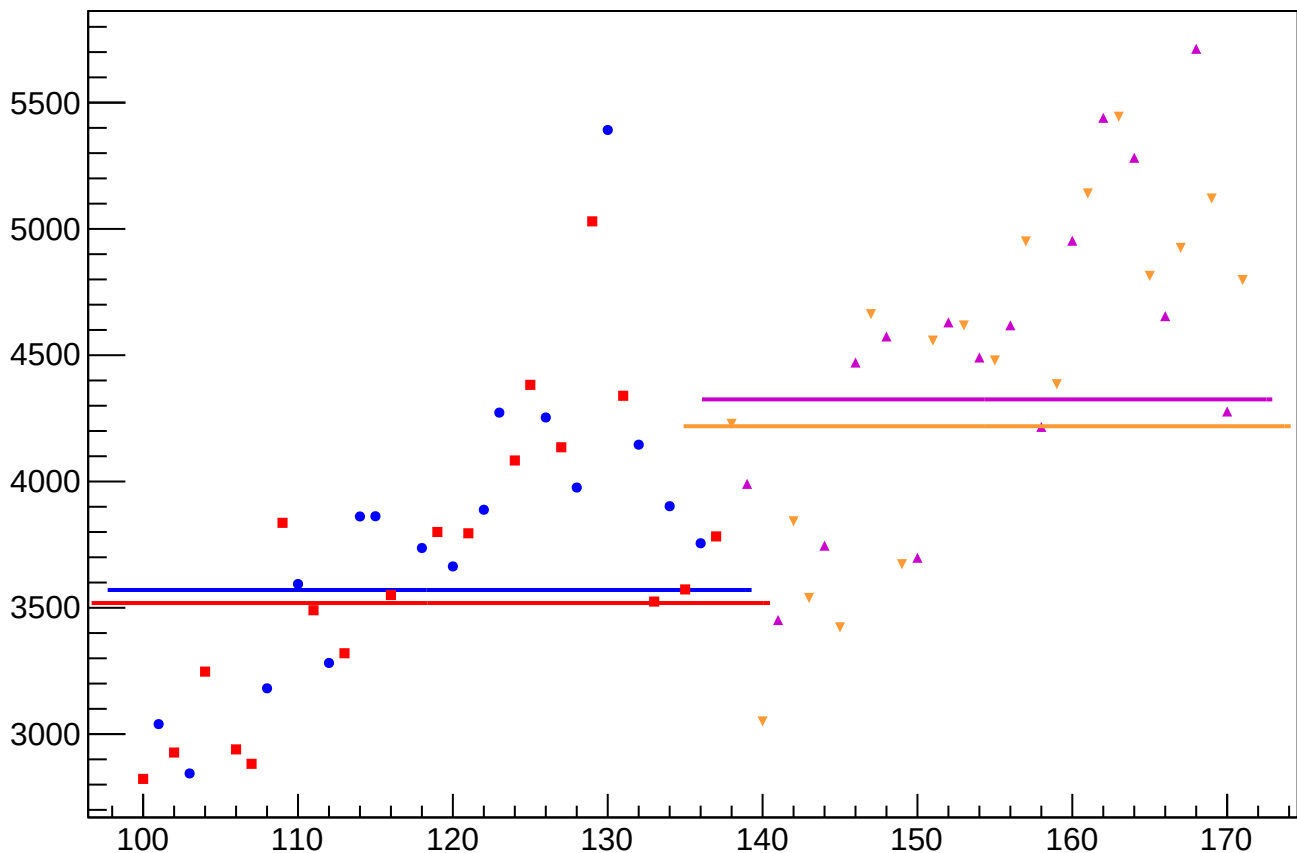
Left In: -1.380 ± 1.237 χ^2/NDF : 27.1/15

+ sign -0.891 ± 0.898 χ^2/NDF : 39.2/34

All: -1.570 ± 0.638 χ^2/NDF : 83.6/69

- sign -2.264 ± 0.907 χ^2/NDF : 43.3/34

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4218.852+/-0.827 χ^2/NDF : 732142.1/17

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

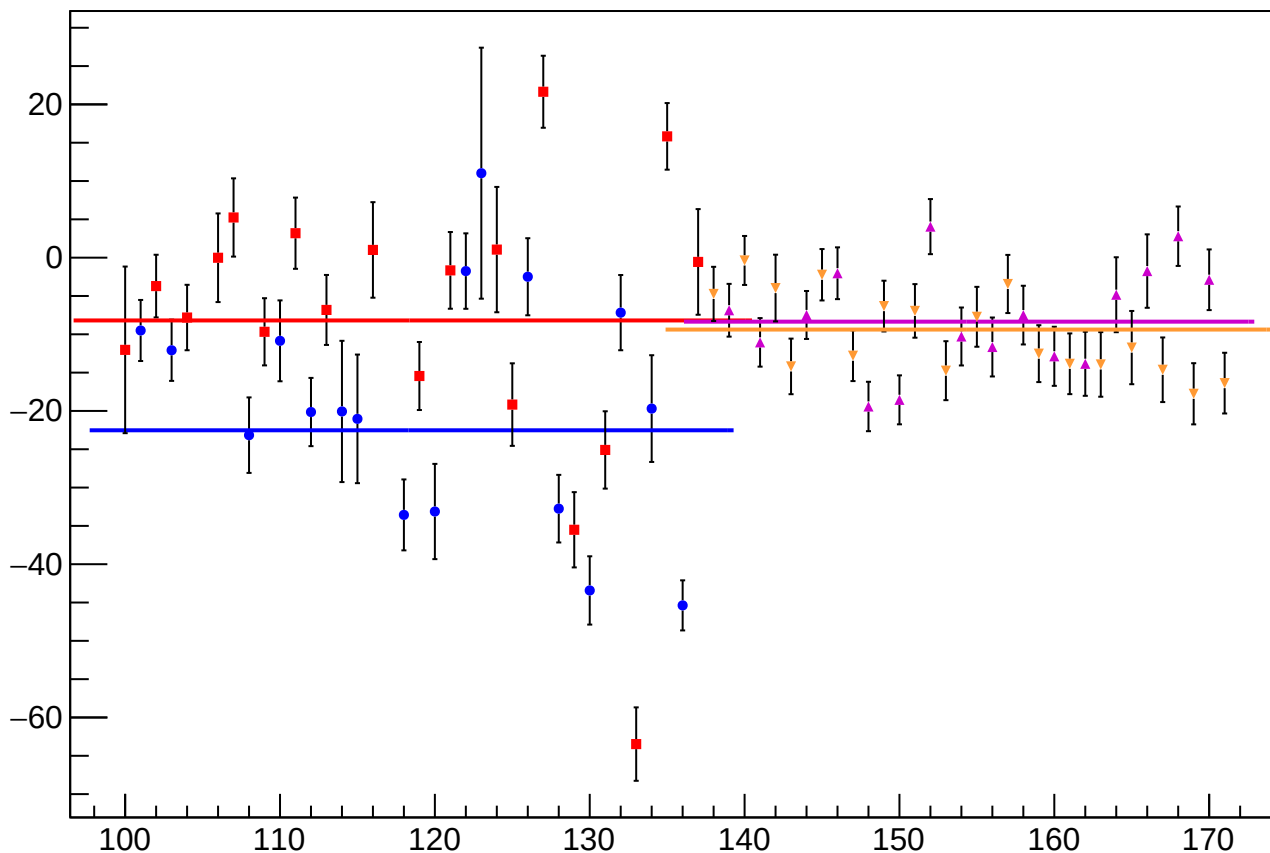
Left In: 4325.057+/-0.875 χ^2/NDF : 462691.2/15

+ sign 3953.105+/-0.635 χ^2/NDF : 1293966.9/34

All: 3952.591+/-0.451 χ^2/NDF : 2442760.3/69

- sign 3952.067+/-0.641 χ^2/NDF : 1148792.1/34

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -9.382 ± 0.883 χ^2/NDF : 37.0/17

Right Out: -8.192 ± 1.157 χ^2/NDF : 275.8/18

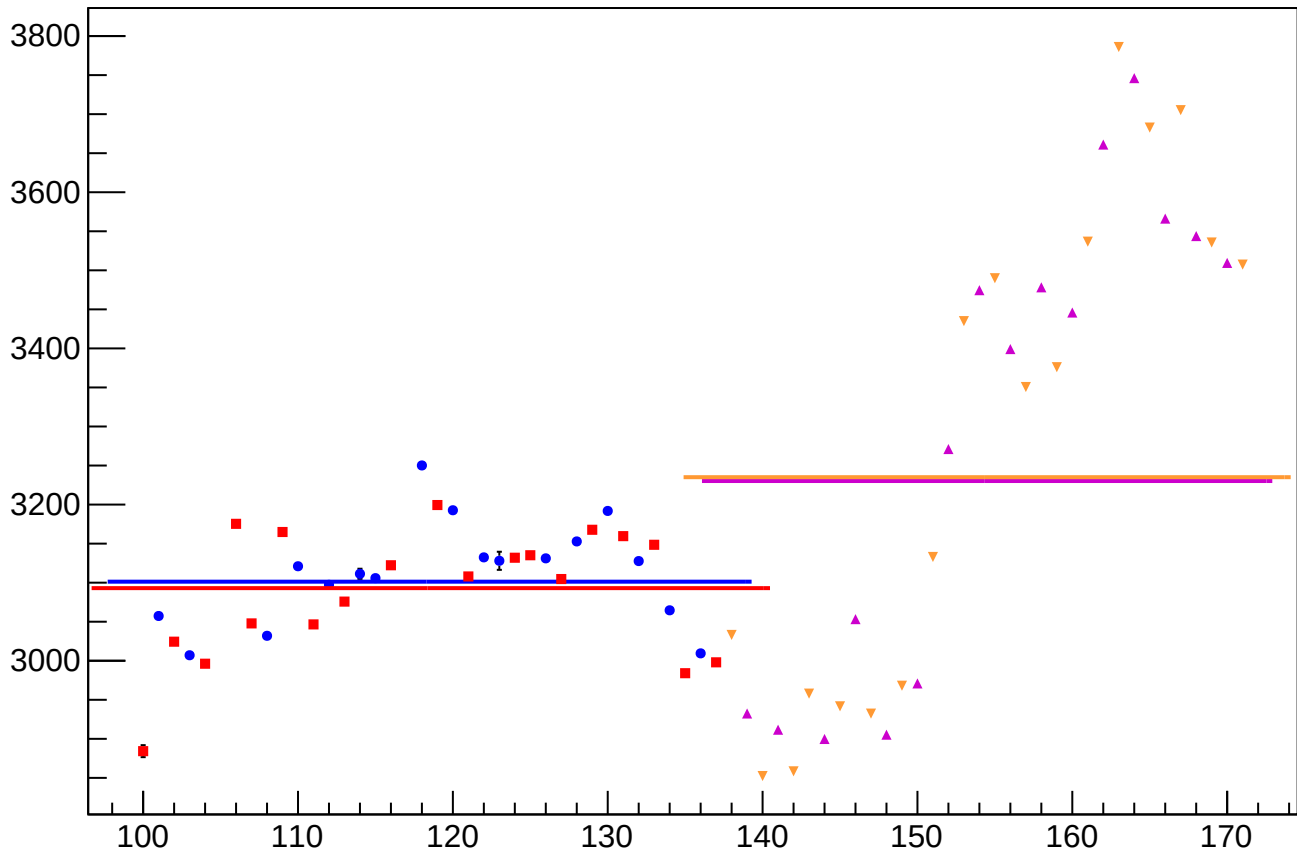
Left In: -8.350 ± 0.916 χ^2/NDF : 55.1/15

+ sign -13.999 ± 0.712 χ^2/NDF : 270.2/34

All: -11.171 ± 0.506 χ^2/NDF : 633.1/69

- sign -8.289 ± 0.718 χ^2/NDF : 331.0/34

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 3235.071+/-0.625 χ^2/NDF : 236197.4/17

Right Out: 3092.993+/-0.818 χ^2/NDF : 7766.0/18

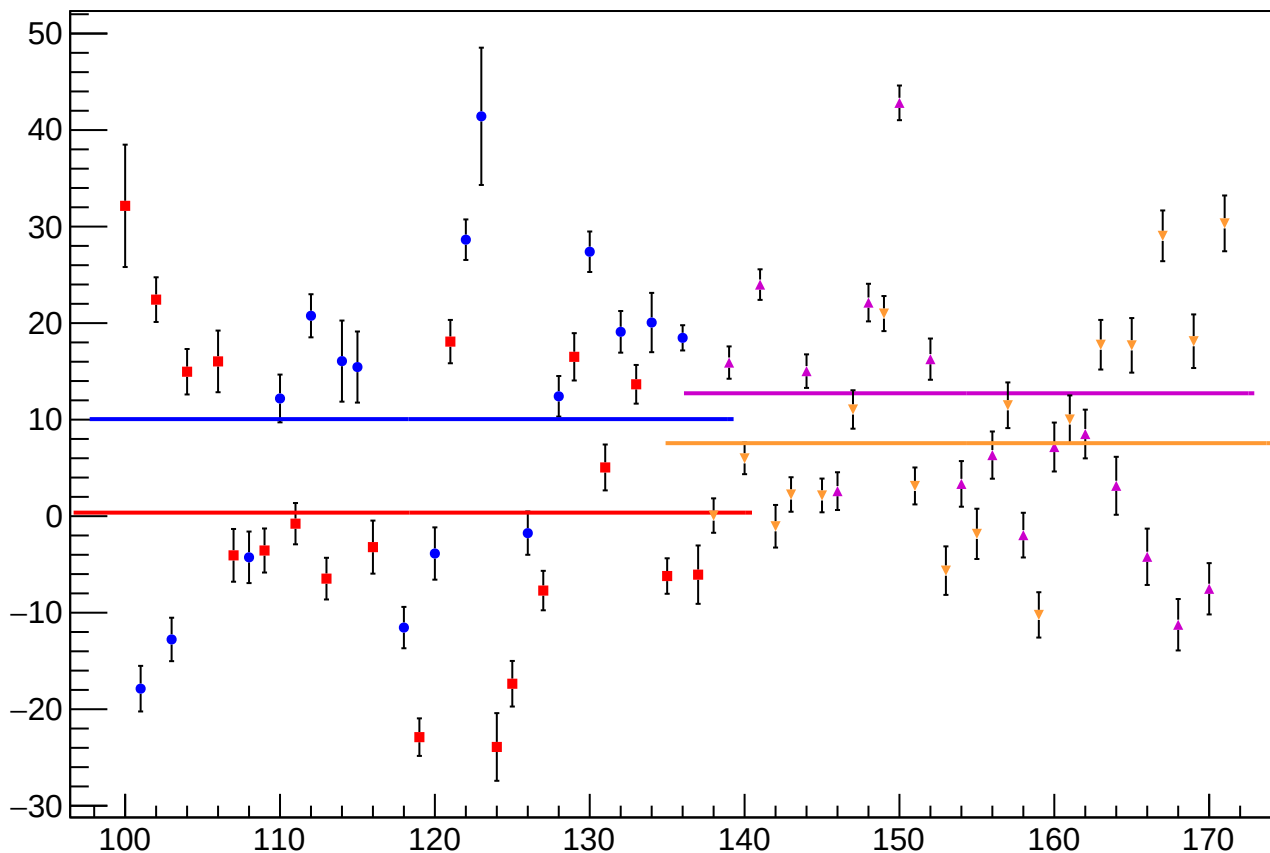
Left In: 3230.174+/-0.648 χ^2/NDF : 199917.2/15

+ sign 3188.070+/-0.503 χ^2/NDF : 259547.3/34

All: 3182.732+/-0.357 χ^2/NDF : 484738.5/69

- sign 3177.293+/-0.508 χ^2/NDF : 224964.0/34

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 ± 0.562 χ^2/NDF : 692.2/16

Left Out: 7.563 ± 0.509 χ^2/NDF : 389.0/17

Right Out: 0.367 ± 0.547 χ^2/NDF : 629.8/18

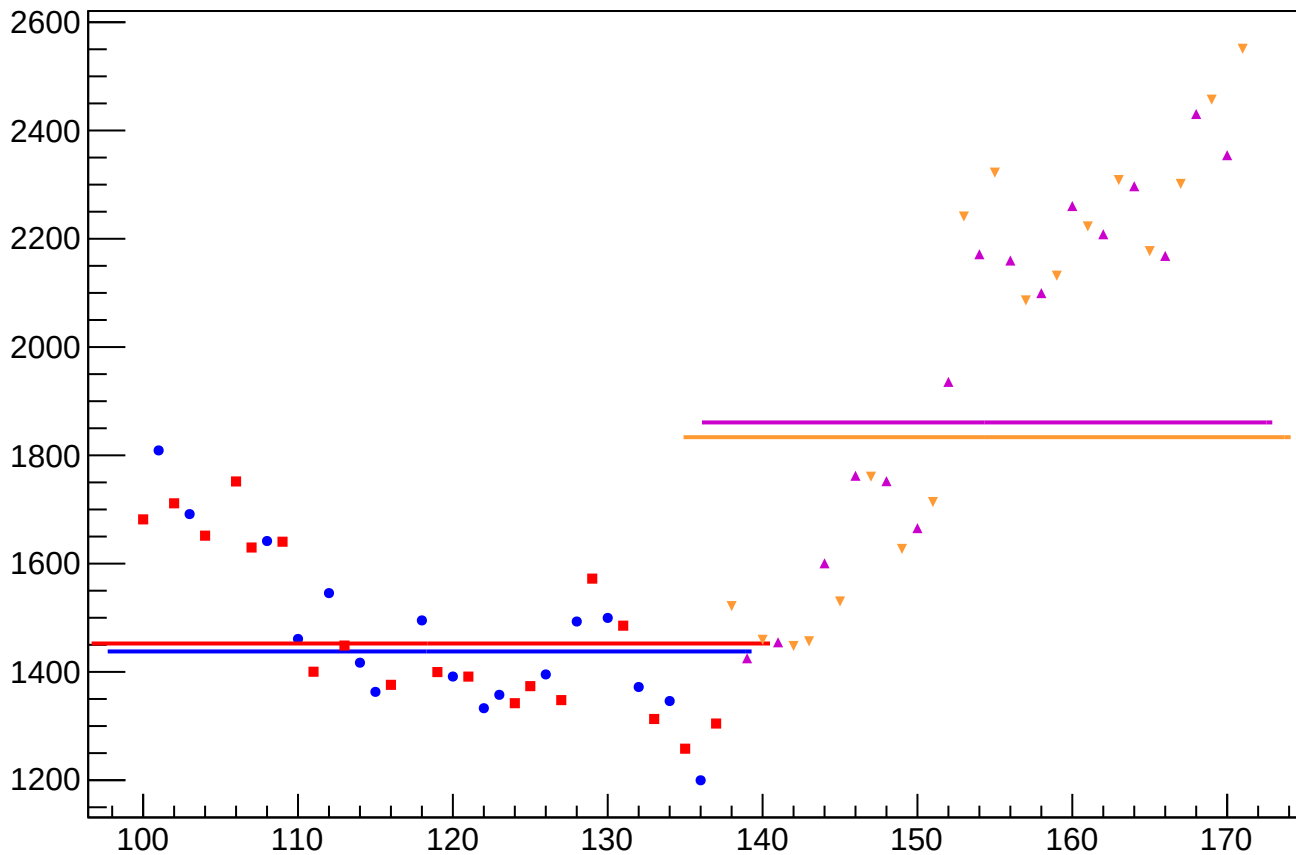
Left In: 12.731 ± 0.535 χ^2/NDF : 643.0/15

+ sign 8.687 ± 0.377 χ^2/NDF : 1092.0/34

All: 7.702 ± 0.269 χ^2/NDF : 2639.9/69

- sign 6.689 ± 0.382 χ^2/NDF : 1534.0/34

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1833.531 $\pm$ 0.360 χ^2 /NDF: 1024312.7/17

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

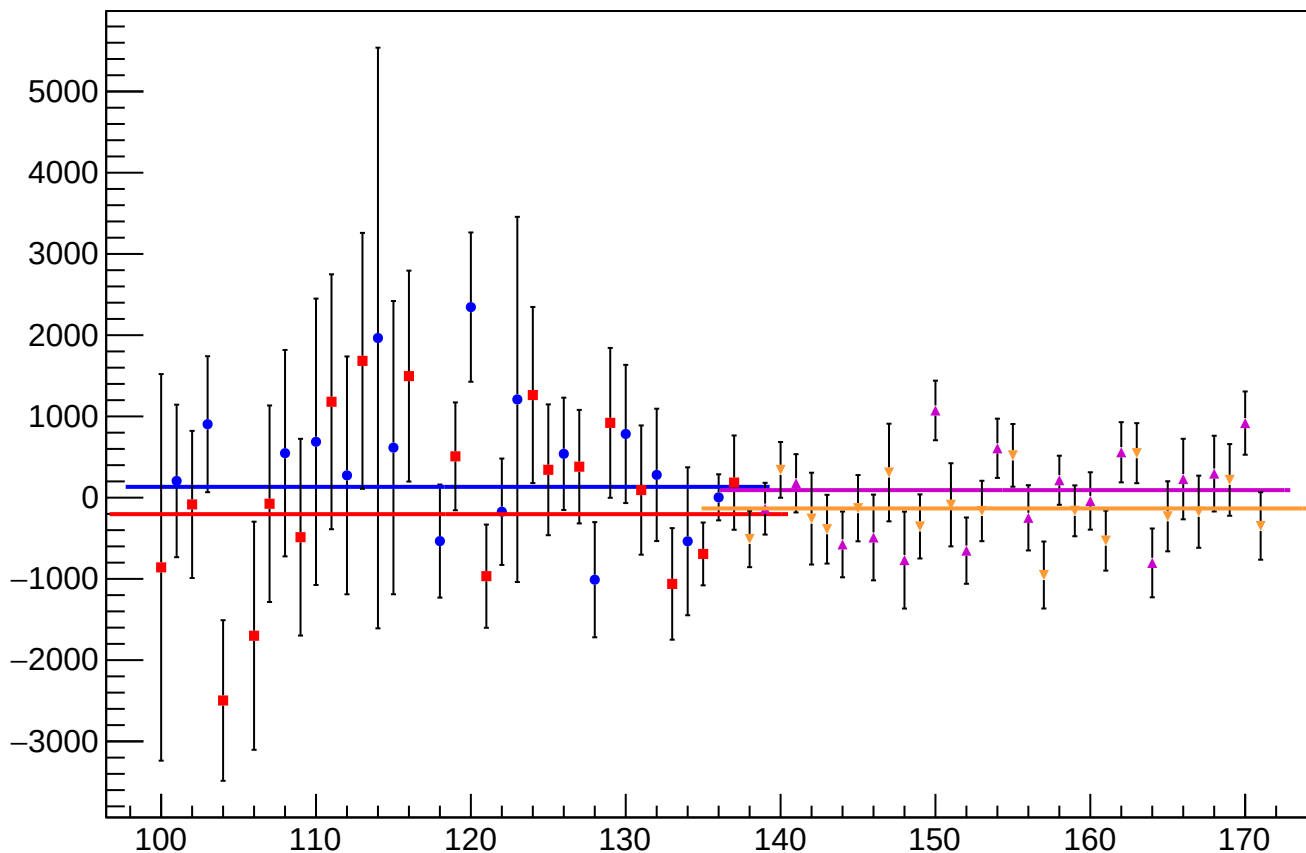
Left In: 1860.765 $\pm$ 0.378 χ^2 /NDF: 747087.2/15

+ sign 1655.025 $\pm$ 0.267 χ^2 /NDF: 1742642.4/34

All: 1658.081 $\pm$ 0.190 χ^2 /NDF: 3198269.8/69

- sign 1661.223 $\pm$ 0.270 χ^2 /NDF: 1455361.2/34

asym_sam1_mean vs Slug



Right In: 132.921 ± 180.271 χ^2/NDF : 12.9/16

Left Out: -132.669 ± 95.086 χ^2/NDF : 16.7/17

Right Out: -203.062 ± 184.353 χ^2/NDF : 21.4/18

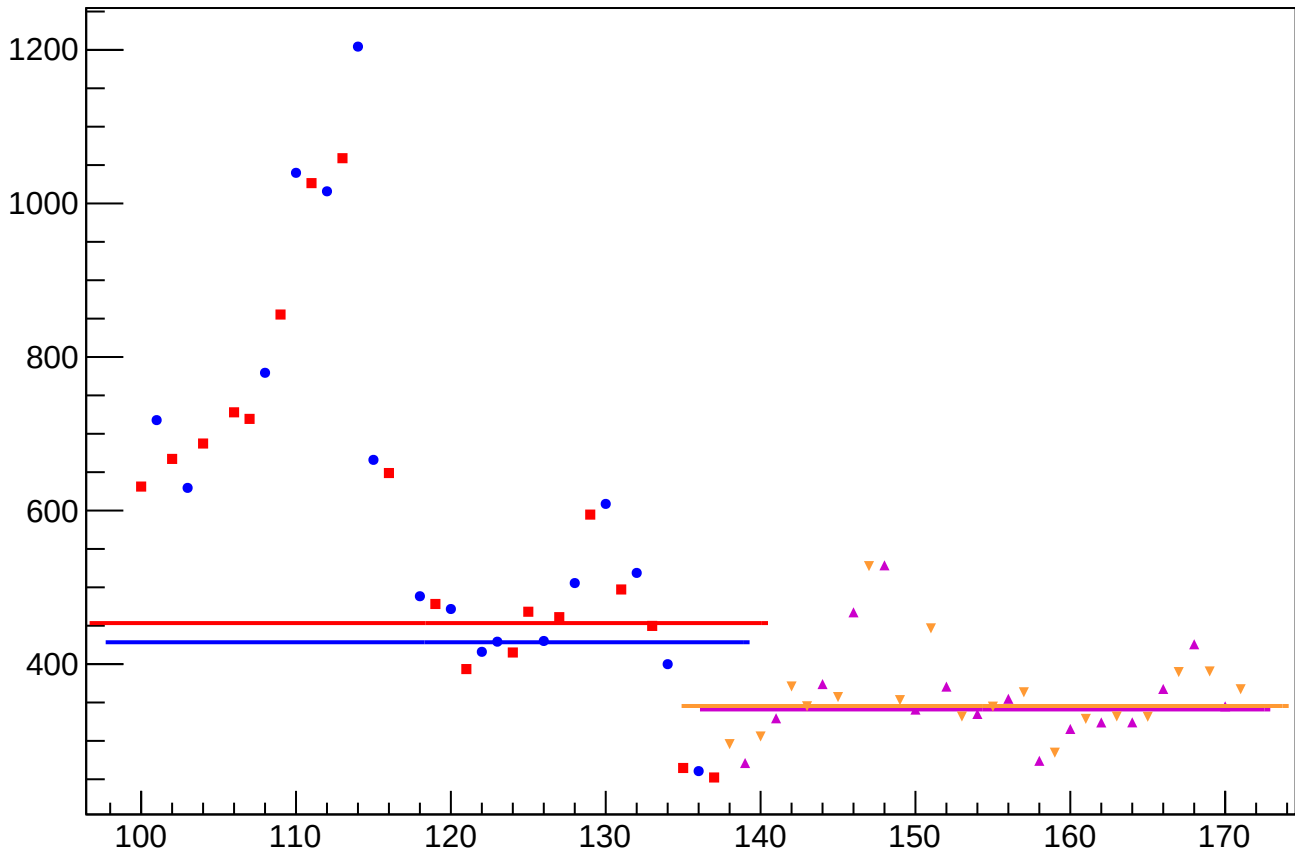
Left In: 92.558 ± 97.885 χ^2/NDF : 30.9/15

+ sign -74.861 ± 84.103 χ^2/NDF : 31.3/34

All: -25.069 ± 60.284 χ^2/NDF : 86.3/69

- sign 27.545 ± 86.454 χ^2/NDF : 54.3/34

asym_sam1_rms vs Slug



Right In: 428.460 ± 0.127 χ^2/NDF : 2011453.8/16

Left Out: 345.444 ± 0.067 χ^2/NDF : 473067.3/17

Right Out: 453.435 ± 0.130 χ^2/NDF : 2029813.8/18

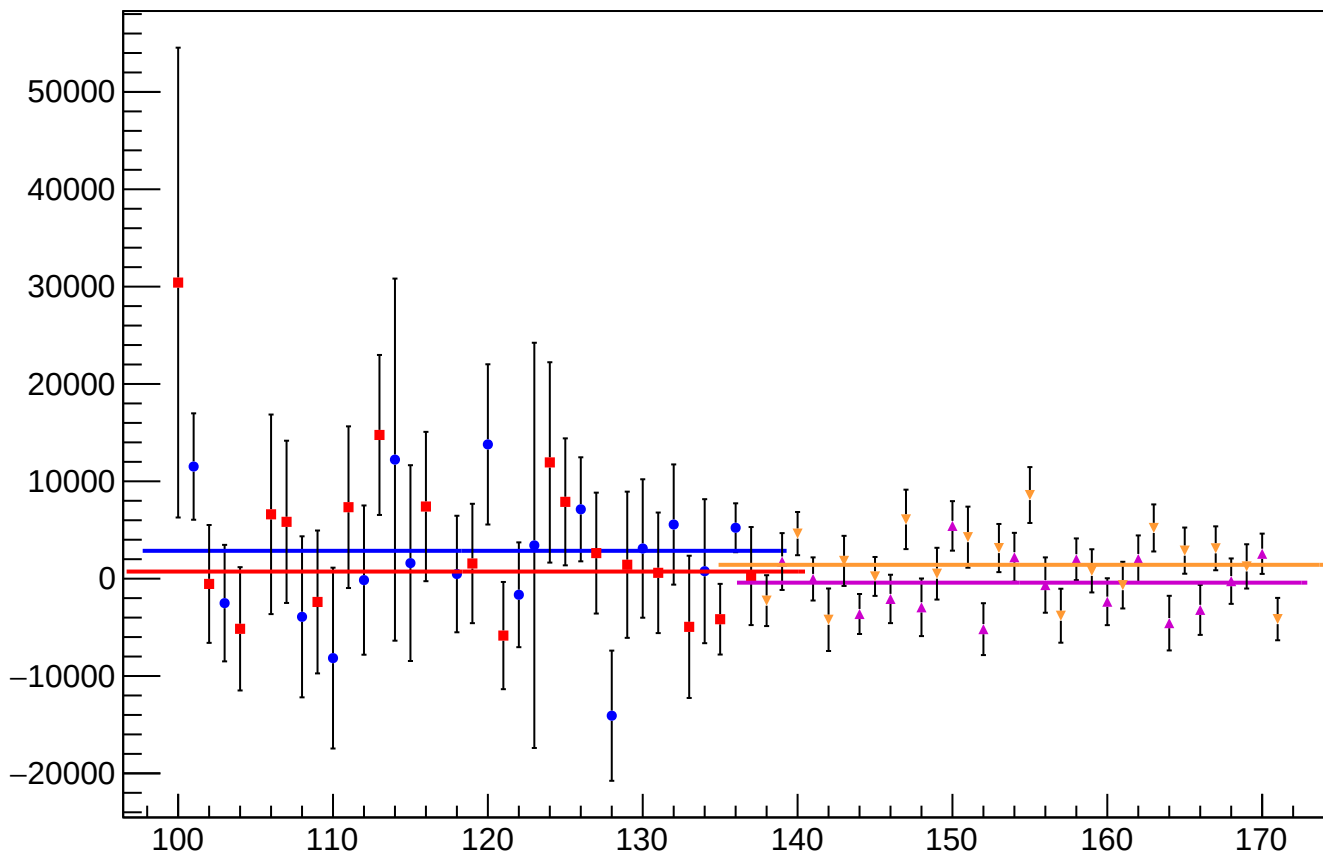
Left In: 340.936 ± 0.069 χ^2/NDF : 625801.6/15

+ sign 363.513 ± 0.059 χ^2/NDF : 2816339.5/34

All: 364.565 ± 0.043 χ^2/NDF : 6053583.0/69

- sign 365.677 ± 0.061 χ^2/NDF : 3236599.8/34

asym_sam2_mean vs Slug



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1422.476 $\pm$ 583.177 χ^2 /NDF:31.9/17

Right Out: 729.571 $\pm$ 1509.224 χ^2 /NDF: 14.0/18

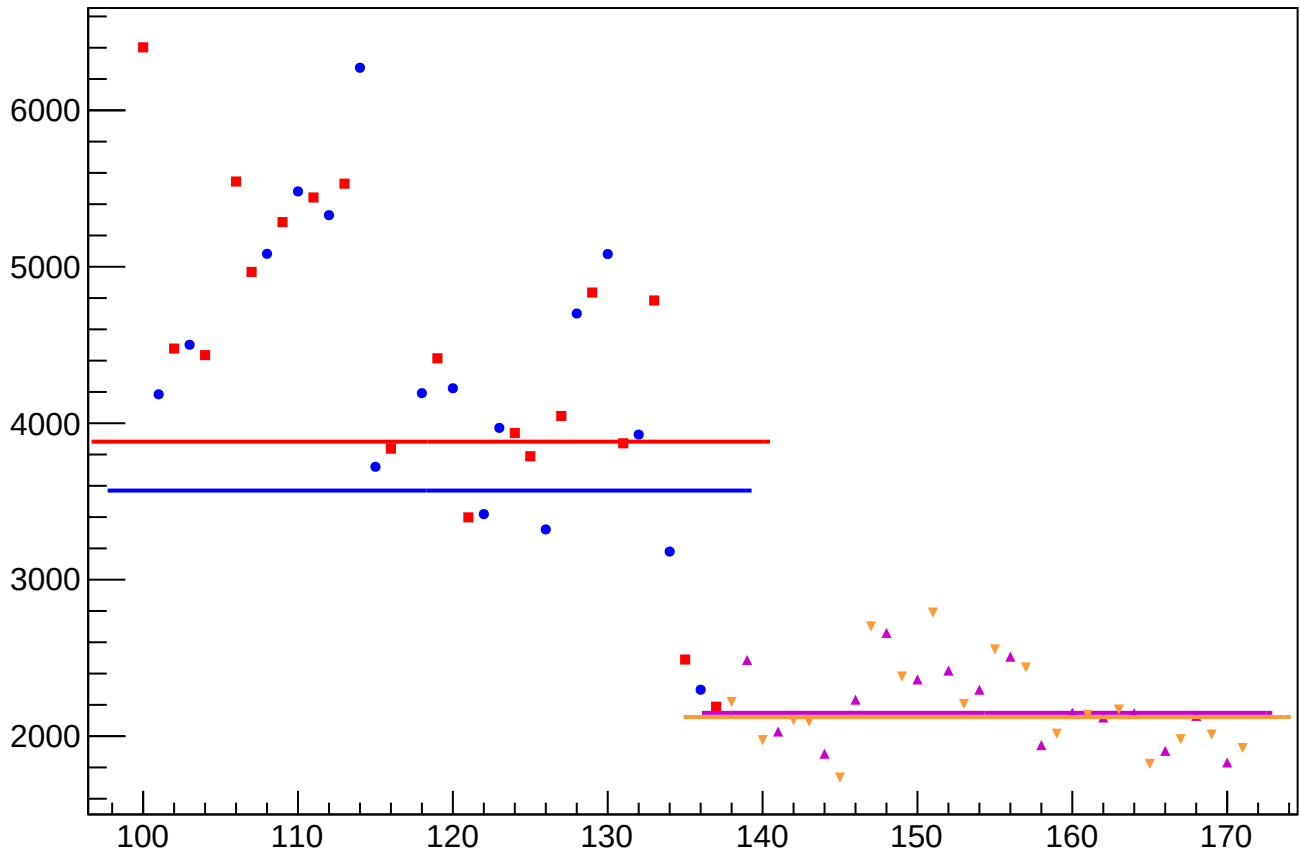
Left In: -412.234 $\pm$ 612.098 χ^2 /NDF:22.1/15

+ sign 1623.081 $\pm$ 540.946 χ^2 /NDF: 49.4/34

All: 730.476 $\pm$ 391.466 χ^2 /NDF: 91.7/69

- sign -250.950 $\pm$ 567.222 χ^2 /NDF: 36.6/34

asym_sam2_rms vs Slug



Right In: 3569.631 $\pm$ 1.024 χ^2 /NDF: 1087935.4/16

Left Out: 2121.953 $\pm$ 0.412 χ^2 /NDF: 408973.3/17

Right Out: 3882.169 $\pm$ 1.067 χ^2 /NDF: 983087.5/18

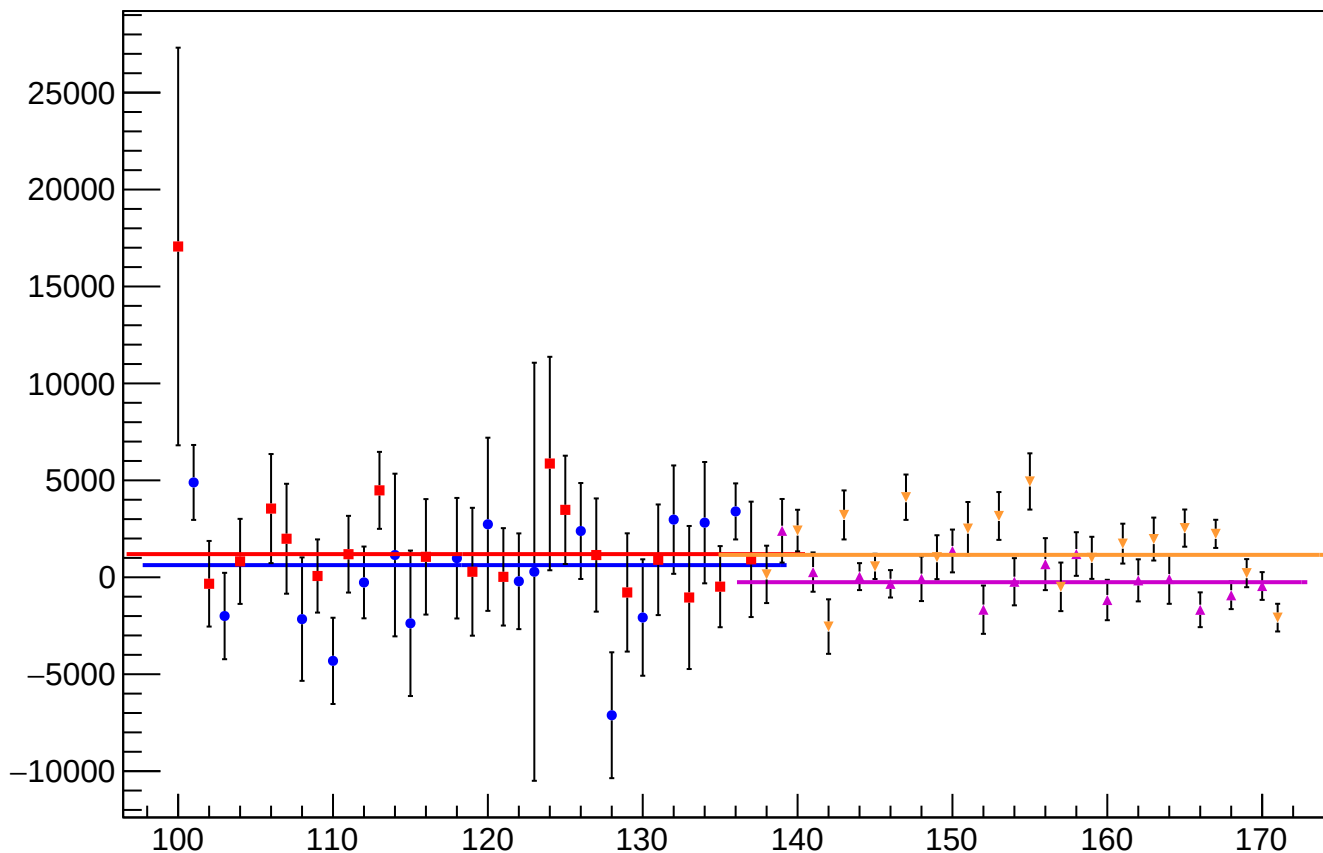
Left In: 2149.058 $\pm$ 0.433 χ^2 /NDF: 284232.8/15

+ sign 2324.028 $\pm$ 0.383 χ^2 /NDF: 3217248.1/34

All: 2357.292 $\pm$ 0.277 χ^2 /NDF: 6765299.4/69

- sign 2393.866 $\pm$ 0.401 χ^2 /NDF: 3532174.0/34

asym_sam3_mean vs Slug



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 1156.794+/-235.098 χ^2/NDF : 58.3/17

Right Out: 1195.385+/-603.058 χ^2/NDF : 9.9/18

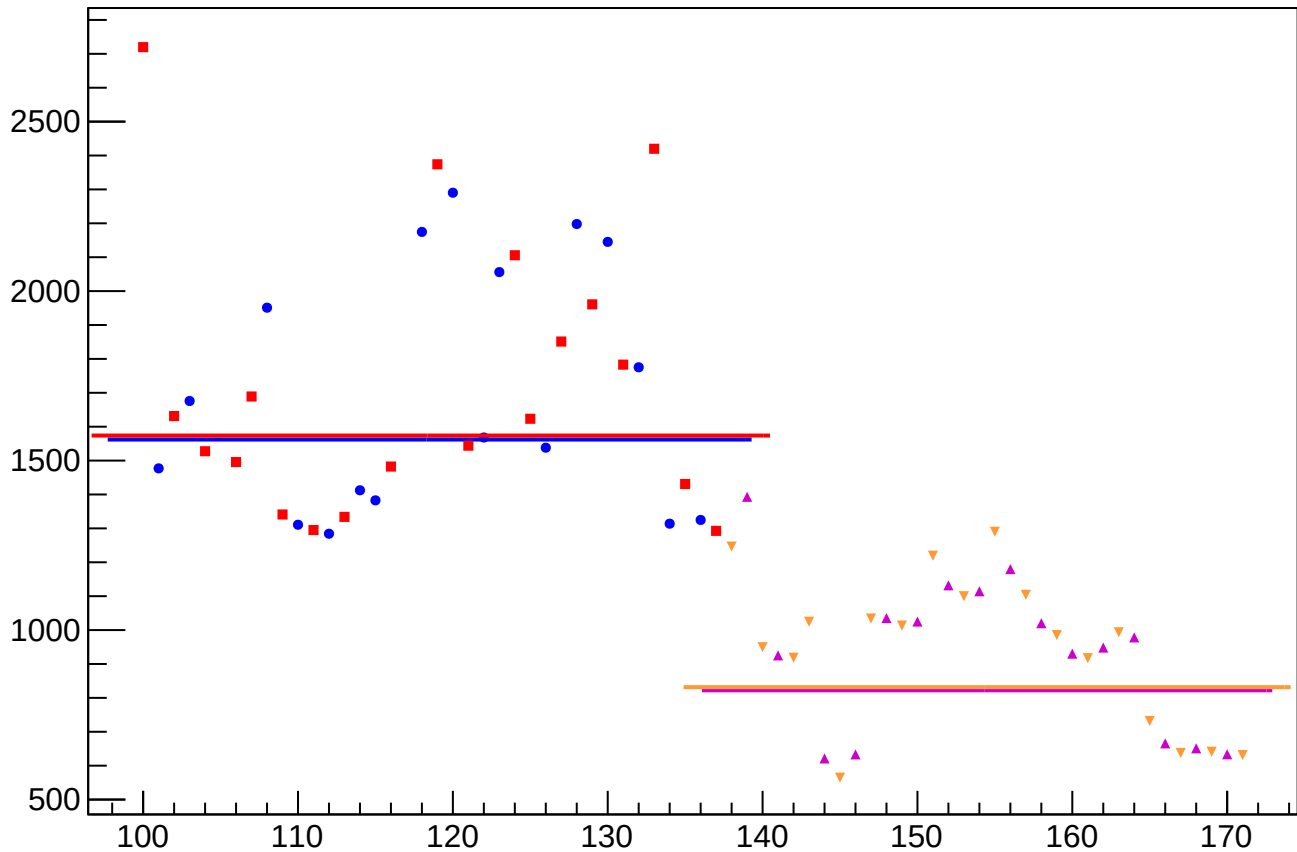
Left In: -252.553+/-241.198 χ^2/NDF : 12.9/15

+ sign 1090.450+/-219.866 χ^2/NDF : 84.0/34

All: 529.306+/-156.893 χ^2/NDF : 125.1/69

- sign -52.874+/-223.950 χ^2/NDF : 27.8/34

asym_sam3_rms vs Slug



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 831.573 $\pm$ 0.166 χ^2 /NDF: 1789776.1/17

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

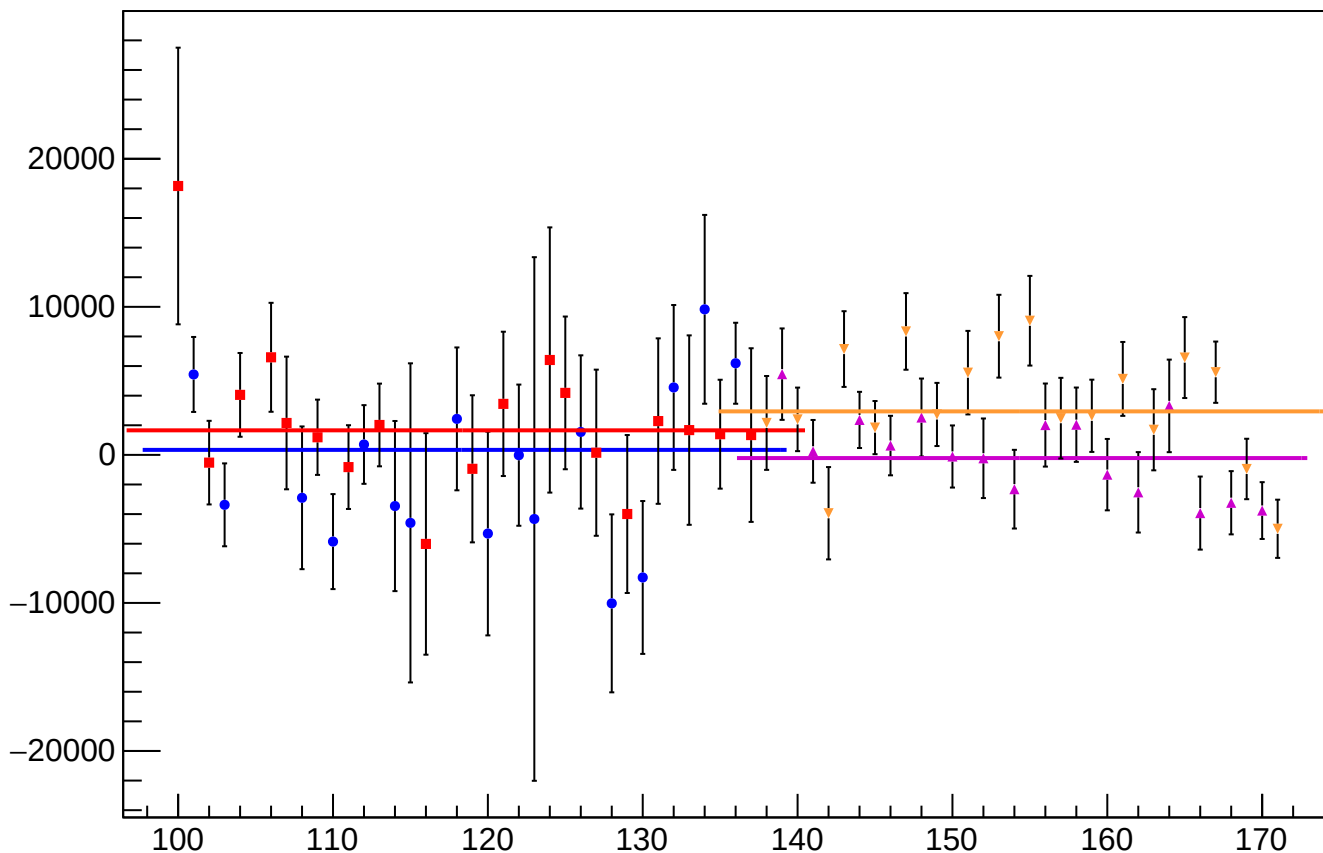
Left In: 822.321 $\pm$ 0.171 χ^2 /NDF: 1544912.6/15

+ sign 923.168 $\pm$ 0.155 χ^2 /NDF: 4693106.8/34

All: 924.543 $\pm$ 0.111 χ^2 /NDF: 9380246.4/69

- sign 925.969 $\pm$ 0.158 χ^2 /NDF: 4686980.2/34

asym_sam4_mean vs Slug



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 2938.898 ± 570.098 χ^2/NDF : 45.0/17

Right Out: 1658.069 ± 924.453 χ^2/NDF : 10.3/18

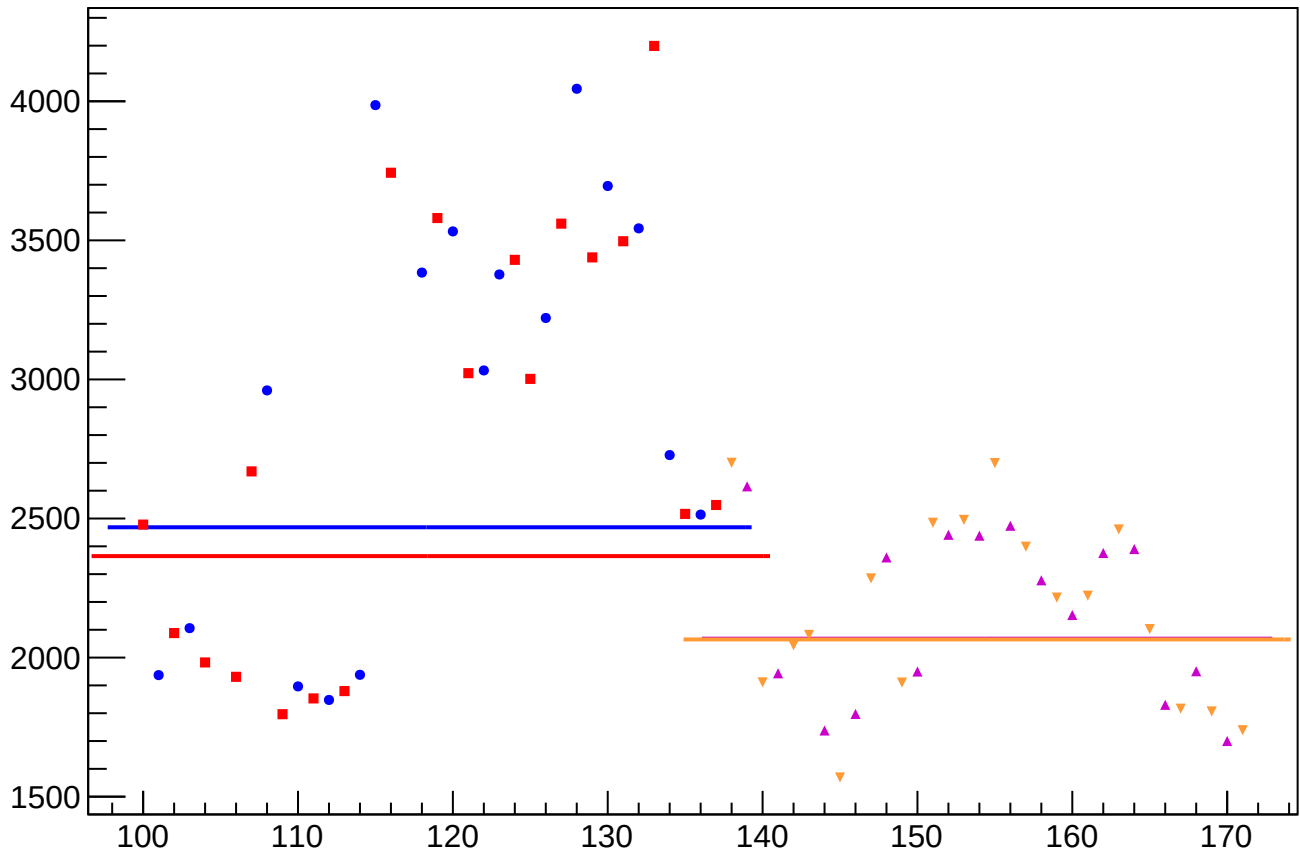
Left In: -215.162 ± 591.853 χ^2/NDF : 18.5/15

+ sign 2296.933 ± 494.760 χ^2/NDF : 74.9/34

All: 1320.490 ± 351.146 χ^2/NDF : 114.4/69

- sign 329.424 ± 498.451 χ^2/NDF : 31.6/34

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2065.232+/-0.403 χ^2/NDF : 651407.6/17

Right Out: 2364.833+/-0.654 χ^2/NDF : 1025161.0/18

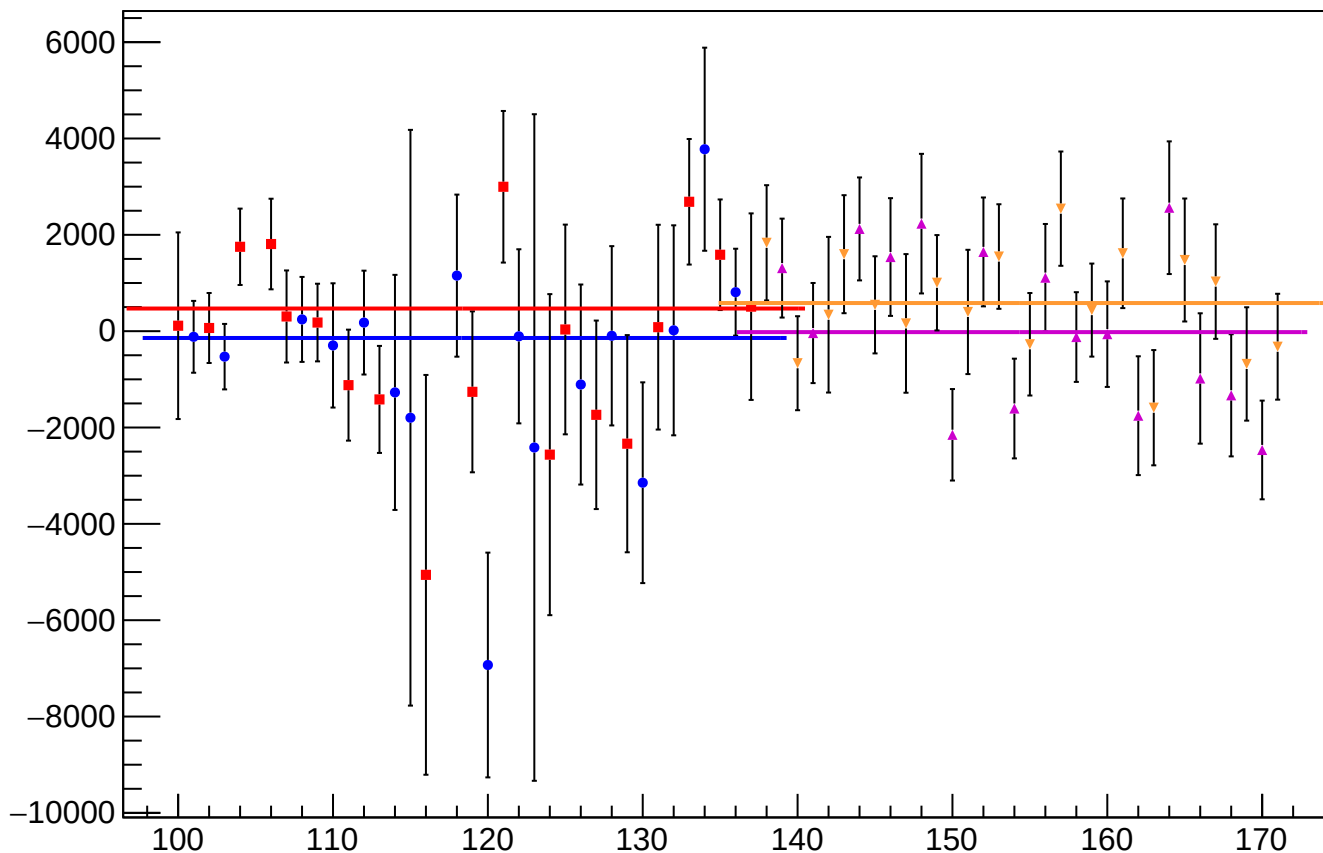
Left In: 2068.042+/-0.419 χ^2/NDF : 478417.6/15

+ sign 2164.770+/-0.350 χ^2/NDF : 1794564.9/34

All: 2159.586+/-0.248 χ^2/NDF : 3444796.8/69

- sign 2154.325+/-0.352 χ^2/NDF : 1649789.6/34

asym_sam5_mean vs Slug



Right In: -141.213 ± 313.319 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 584.163 ± 269.731 $\chi^2/\text{NDF}: 14.5/17$

Right Out: 470.143 ± 282.892 $\chi^2/\text{NDF}: 22.9/18$

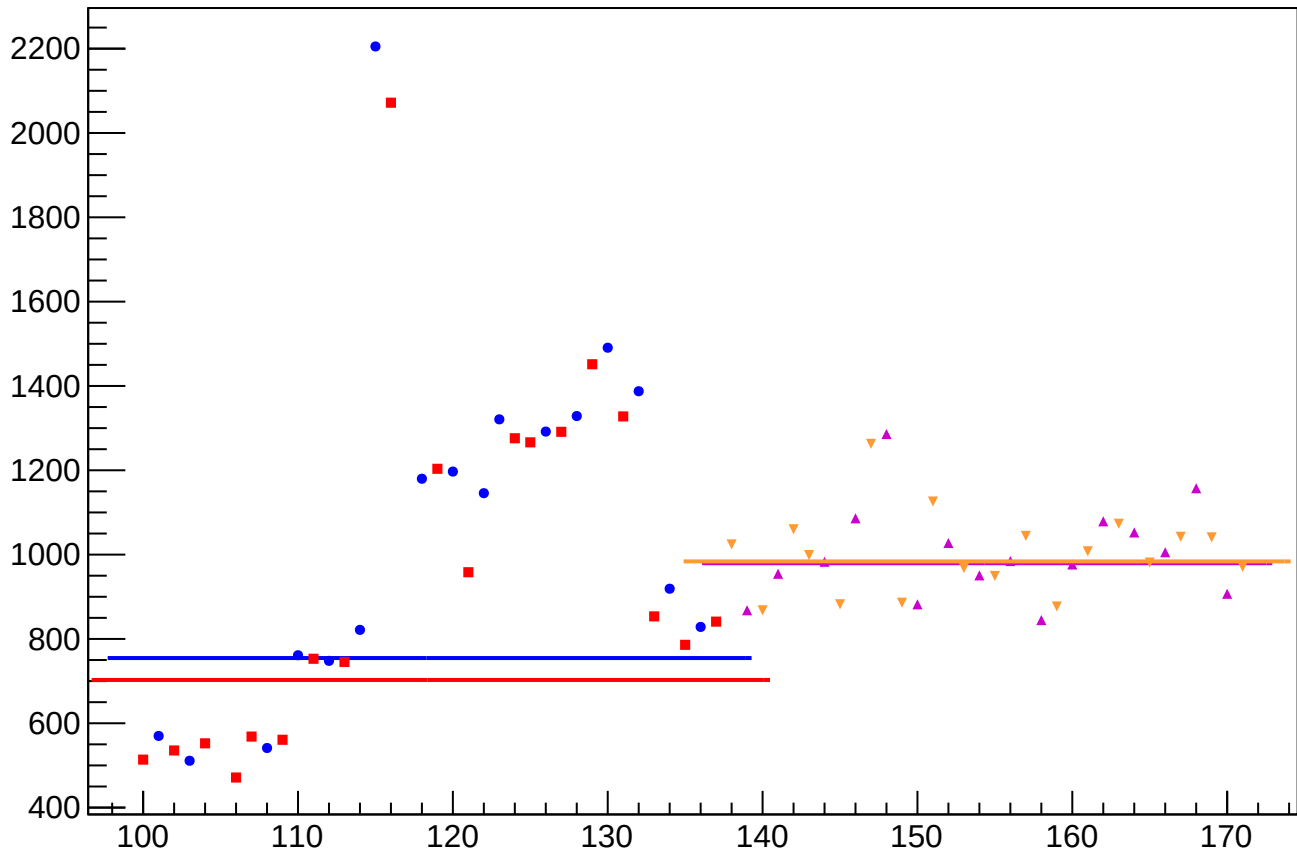
Left In: -19.586 ± 279.320 $\chi^2/\text{NDF}: 33.1/15$

+ sign 275.401 ± 204.417 $\chi^2/\text{NDF}: 34.5/34$

All: 248.037 ± 142.502 $\chi^2/\text{NDF}: 92.1/69$

- sign 222.167 ± 198.760 $\chi^2/\text{NDF}: 57.5/34$

asym_sam5_rms vs Slug



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 983.928 $\pm$ 0.191 χ^2 /NDF:228700.2/17

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

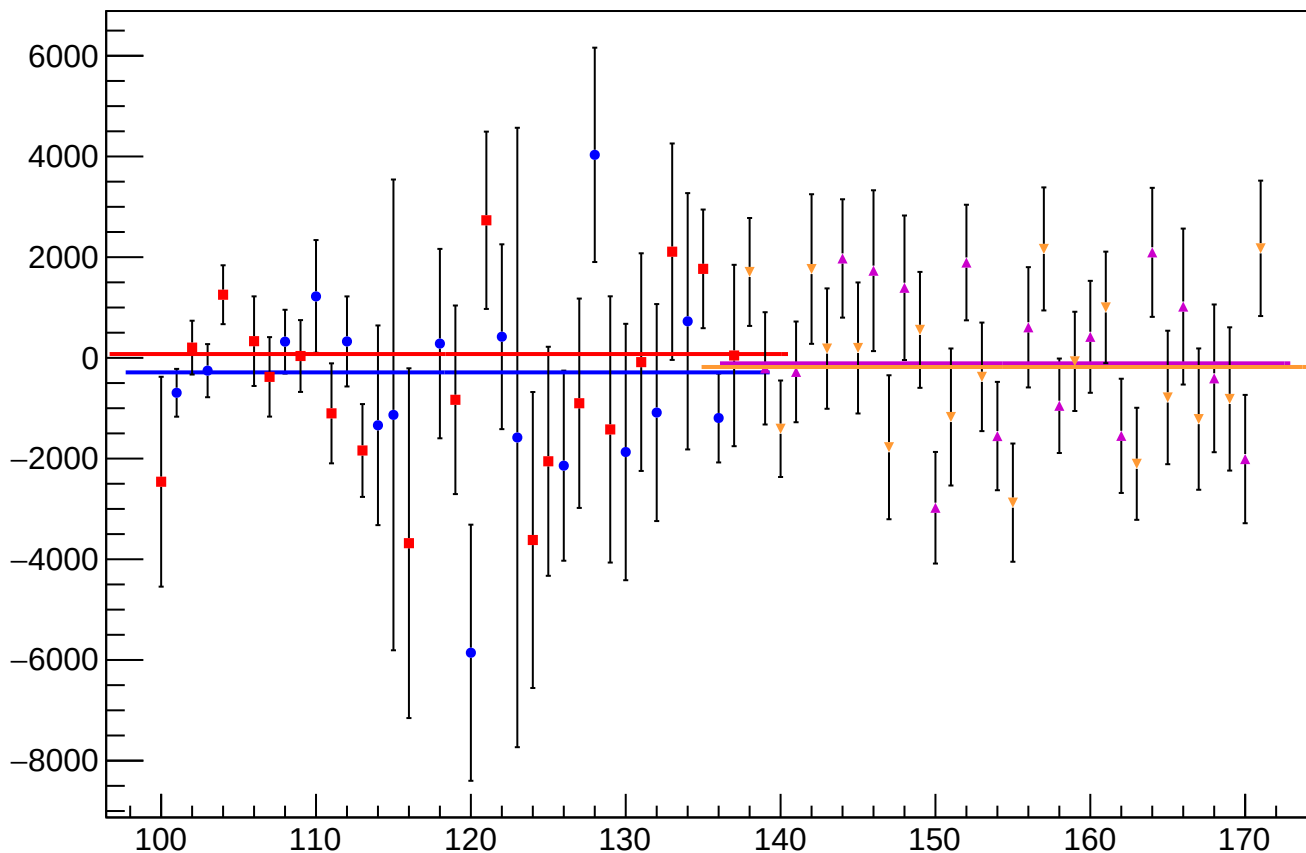
Left In: 979.576 $\pm$ 0.198 χ^2 /NDF:266296.3/15

+ sign 886.348 $\pm$ 0.145 χ^2 /NDF: 2534249.4/34

All: 864.019 $\pm$ 0.101 χ^2 /NDF: 5508516.5/69

- sign 842.908 $\pm$ 0.141 χ^2 /NDF: 2927839.3/34

asym_sam6_mean vs Slug



Right In: -288.037 ± 250.436 χ^2/NDF : 16.2/16

Left Out: -180.899 ± 282.629 χ^2/NDF : 26.0/17

Right Out: 76.119 ± 246.083 χ^2/NDF : 21.4/18

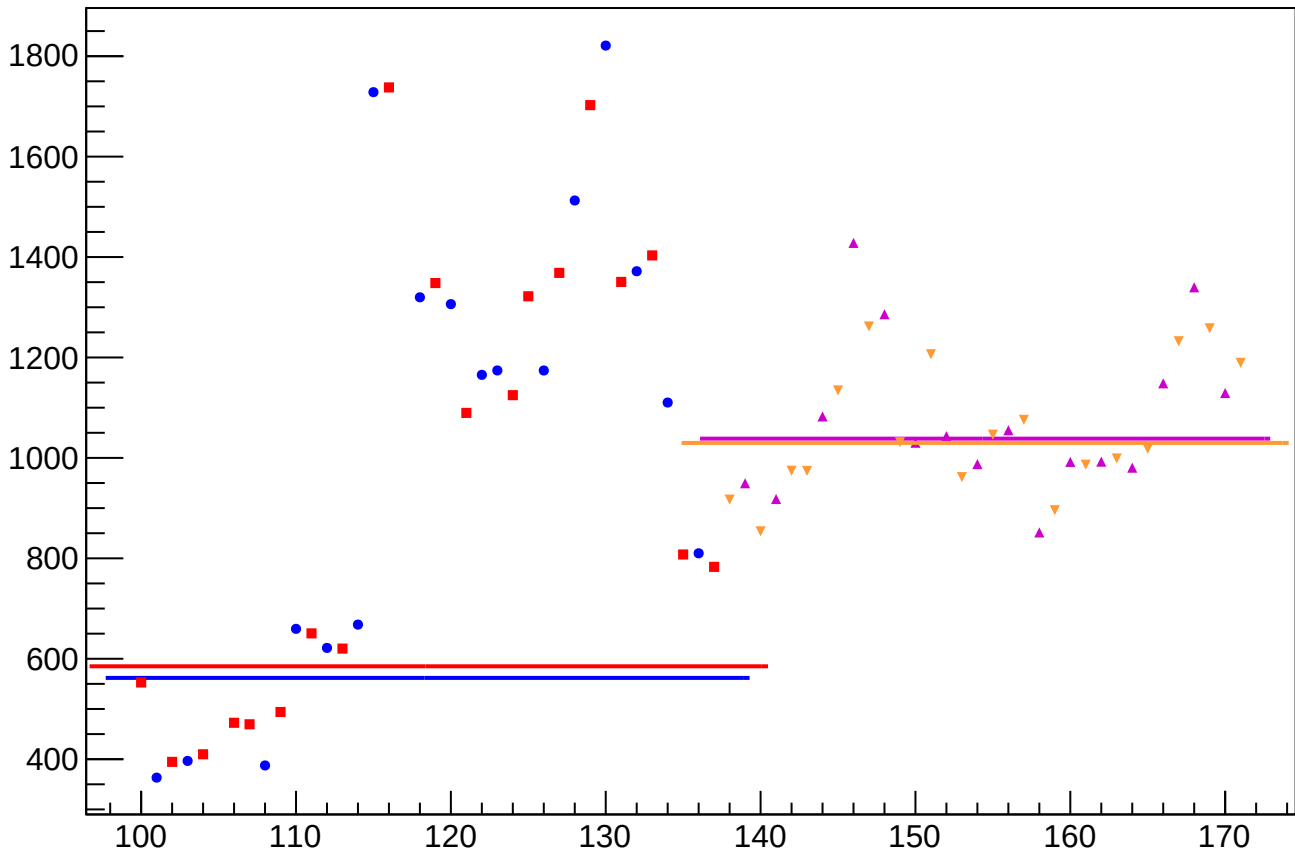
Left In: -108.496 ± 296.547 χ^2/NDF : 25.9/15

+ sign -240.915 ± 187.438 χ^2/NDF : 42.2/34

All: -121.282 ± 133.217 χ^2/NDF : 90.5/69

- sign 0.833 ± 189.372 χ^2/NDF : 47.5/34

asym_sam6_rms vs Slug



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1029.861 $\pm$ 0.200 χ^2 /NDF:370296.4/17

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

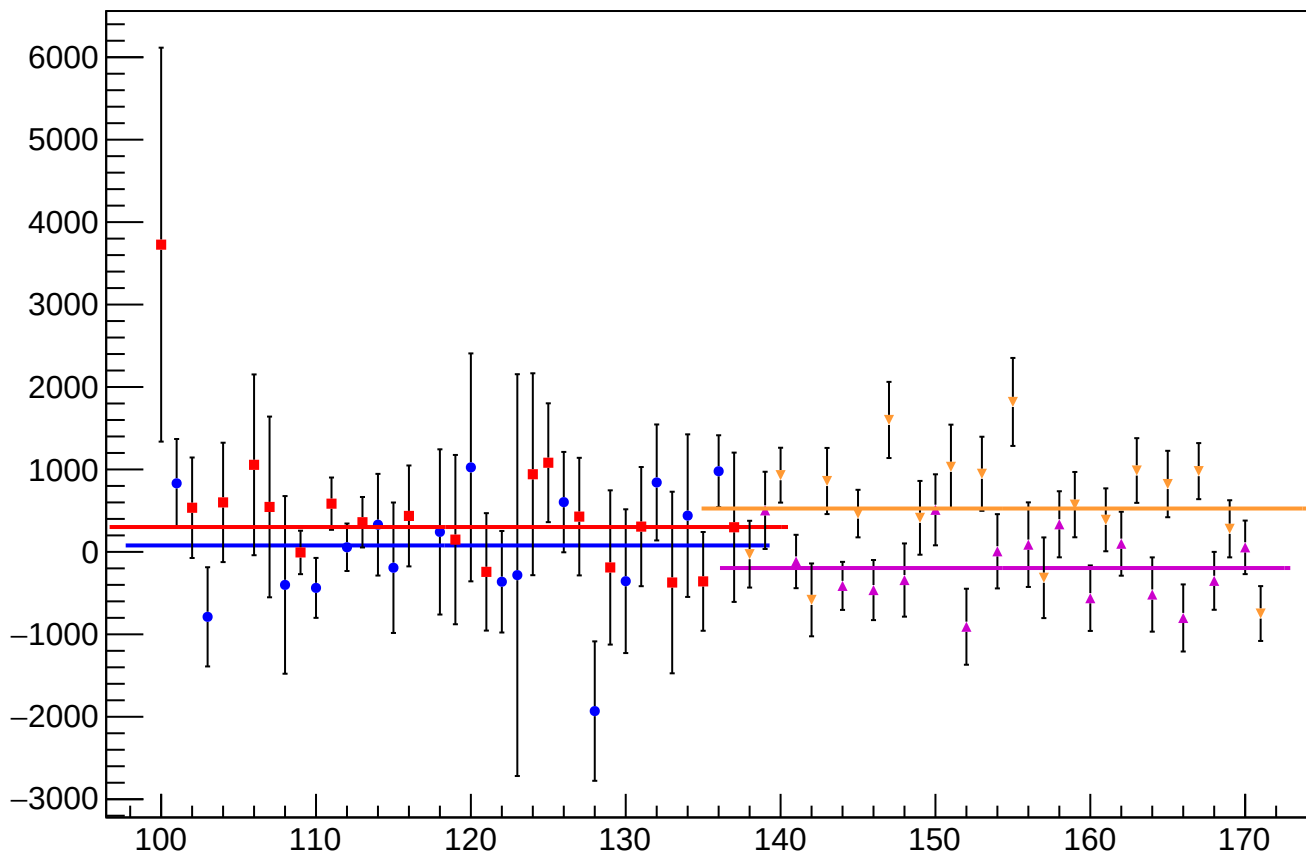
Left In: 1038.358 $\pm$ 0.210 χ^2 /NDF:422928.2/15

+ sign 767.718 $\pm$ 0.133 χ^2 /NDF: 6658447.4/34

All: 768.785 $\pm$ 0.094 χ^2 /NDF: 12674225.7/69

- sign 769.875 $\pm$ 0.134 χ^2 /NDF: 6015647.2/34

asym_sam7_mean vs Slug



Right In: 78.184+/-142.869 χ^2 /NDF: 19.8/16

Left Out: 526.114+/-92.624 χ^2 /NDF:45.5/17

Right Out: 301.651+/-129.650 χ^2 /NDF: 9.1/18

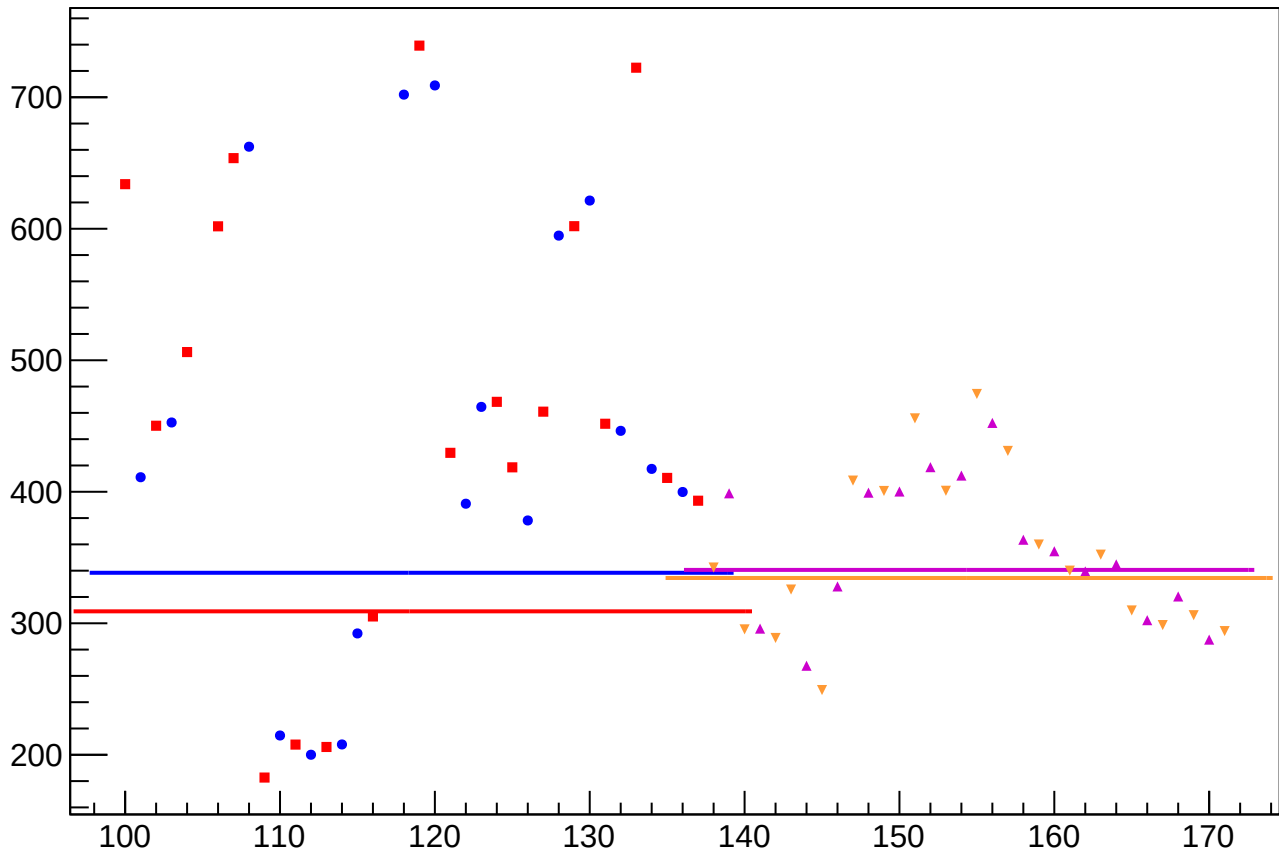
Left In: -195.734+/-97.556 χ^2 /NDF:15.8/15

+ sign 393.560+/-77.720 χ^2 /NDF: 72.2/34

All: 189.431+/-55.038 χ^2 /NDF: 120.3/69

- sign -15.924+/-77.953 χ^2 /NDF: 34.2/34

asym_sam7_rms vs Slug



Right In: 338.408 ± 0.101 χ^2/NDF : 2009287.1/16

Left Out: 334.450 ± 0.065 χ^2/NDF : 777417.7/17

Right Out: 309.081 ± 0.092 χ^2/NDF : 2733465.5/18

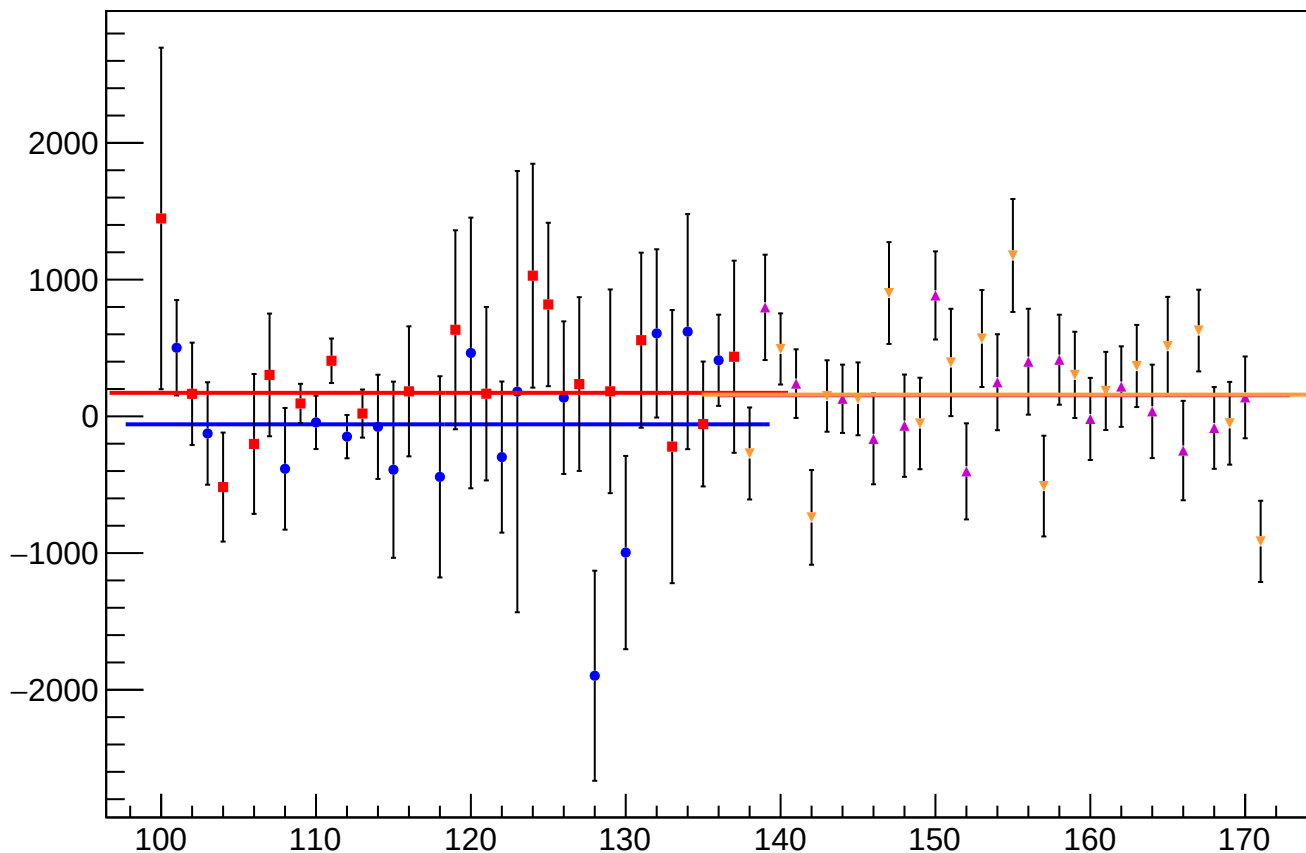
Left In: 340.594 ± 0.069 χ^2/NDF : 559715.6/15

+ sign 335.621 ± 0.055 χ^2/NDF : 2787785.3/34

All: 332.421 ± 0.039 χ^2/NDF : 6163210.5/69

- sign 329.202 ± 0.055 χ^2/NDF : 3368622.6/34

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 158.920 ± 74.735 χ^2/NDF : 43.1/17

Right Out: 171.954 ± 76.920 χ^2/NDF : 11.3/18

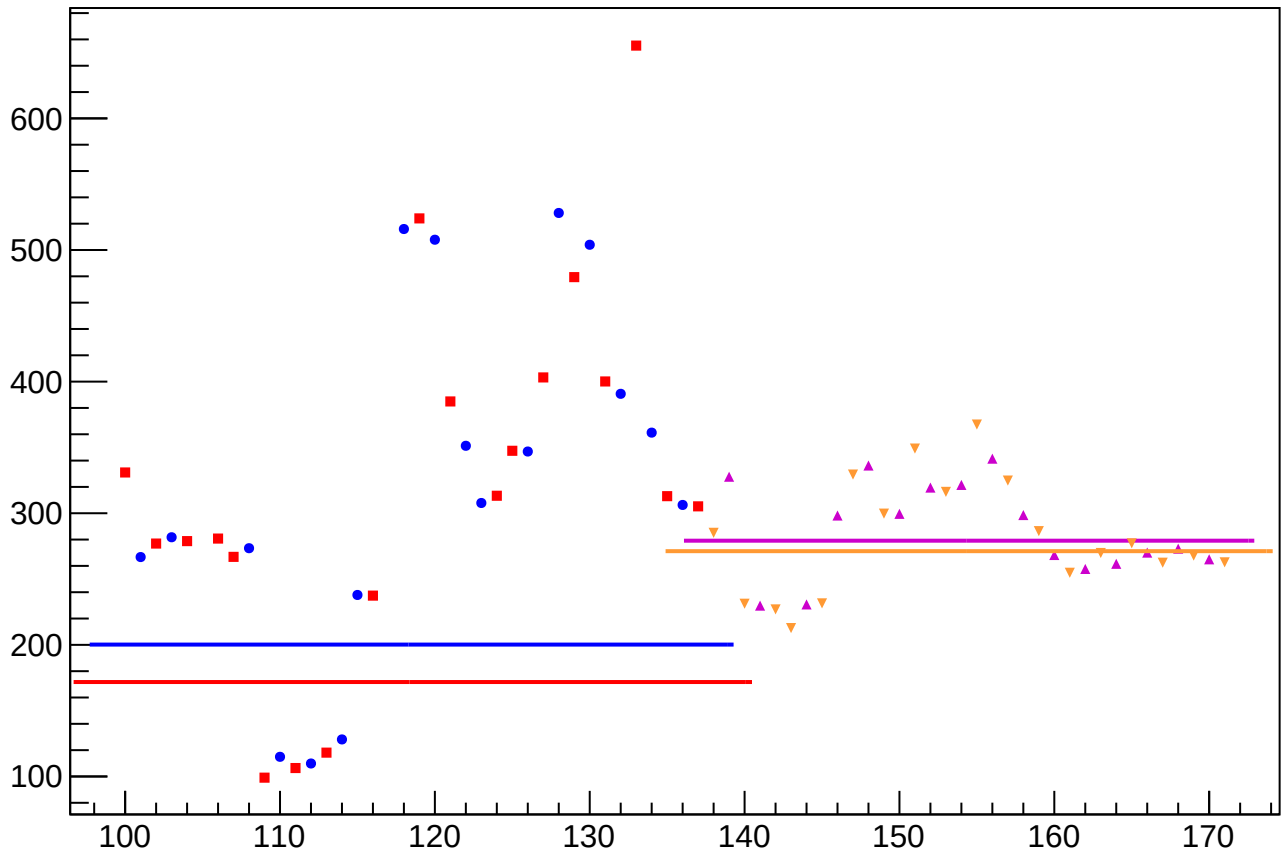
Left In: 154.314 ± 79.631 χ^2/NDF : 15.3/15

+ sign 70.831 ± 57.622 χ^2/NDF : 62.4/34

All: 119.018 ± 39.908 χ^2/NDF : 90.5/69

- sign 163.440 ± 55.324 χ^2/NDF : 26.7/34

asym_sam8_rms vs Slug



Right In: 200.209 $\pm$ 0.064 χ^2 /NDF: 3387197.7/16

Left Out: 271.180 $\pm$ 0.053 χ^2 /NDF: 568455.9/17

Right Out: 171.757 $\pm$ 0.054 χ^2 /NDF: 4093922.6/18

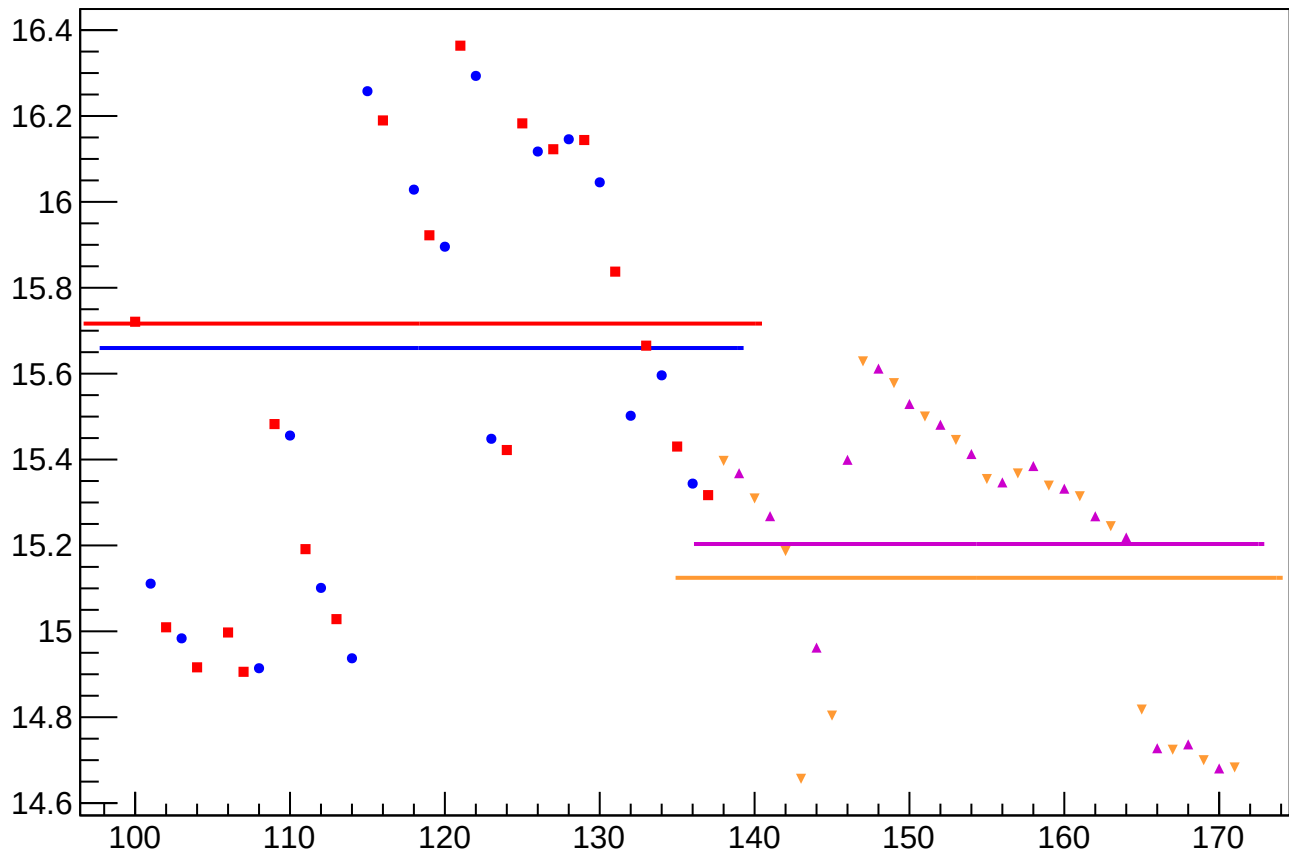
Left In: 279.145 $\pm$ 0.056 χ^2 /NDF: 384855.2/15

+ sign 242.399 $\pm$ 0.041 χ^2 /NDF: 4687088.7/34

All: 232.613 $\pm$ 0.028 χ^2 /NDF: 11158333.3/69

- sign 223.592 $\pm$ 0.039 χ^2 /NDF: 6360386.3/34

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.125 $\pm$ 0.000 χ^2 /NDF: 12131802372.0/17

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

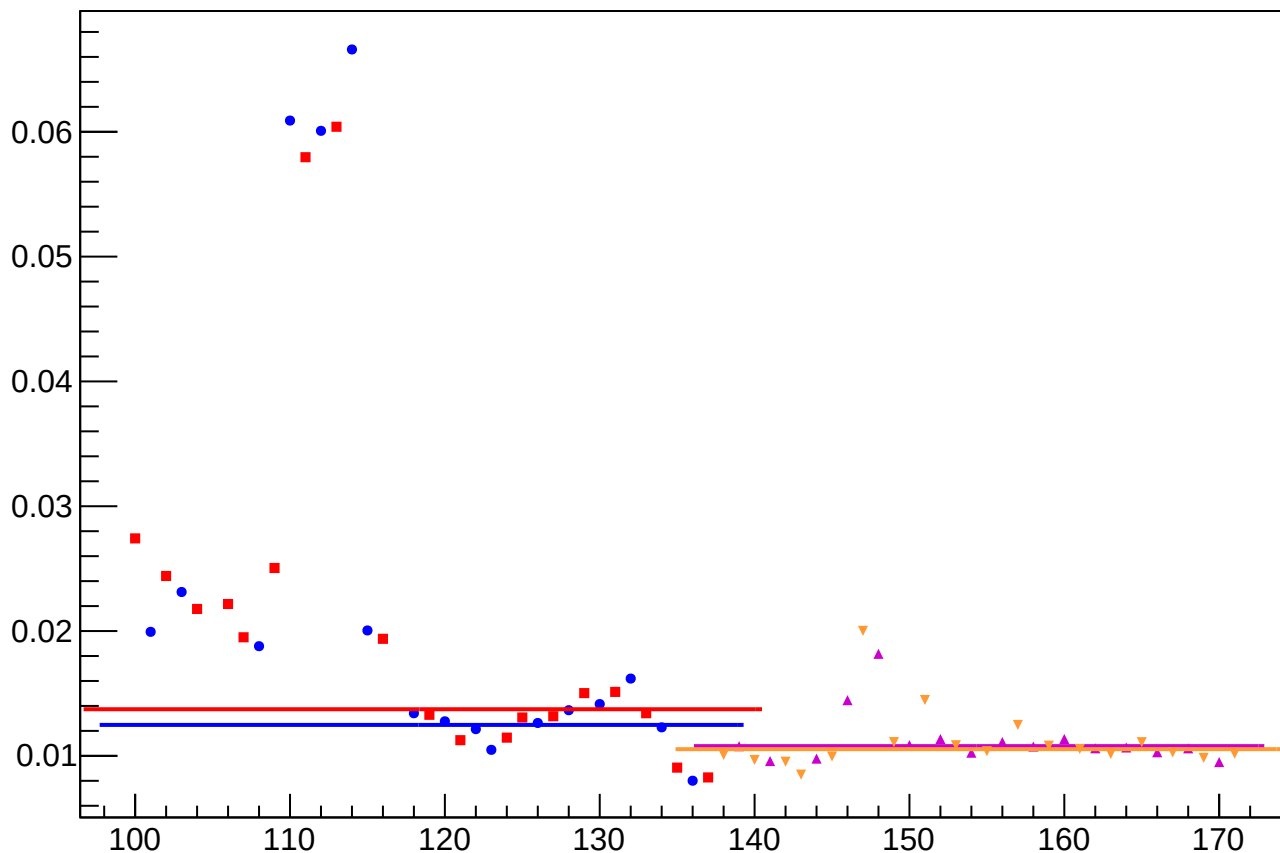
Left In: 15.203 $\pm$ 0.000 χ^2 /NDF: 8272540797.6/15

+ sign 15.246 $\pm$ 0.000 χ^2 /NDF: 25247628643.6/34

All: 15.279 $\pm$ 0.000 χ^2 /NDF: 45249276072.4

- sign 15.317 $\pm$ 0.000 χ^2 /NDF: 19647339201.1/34

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:601741.7/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

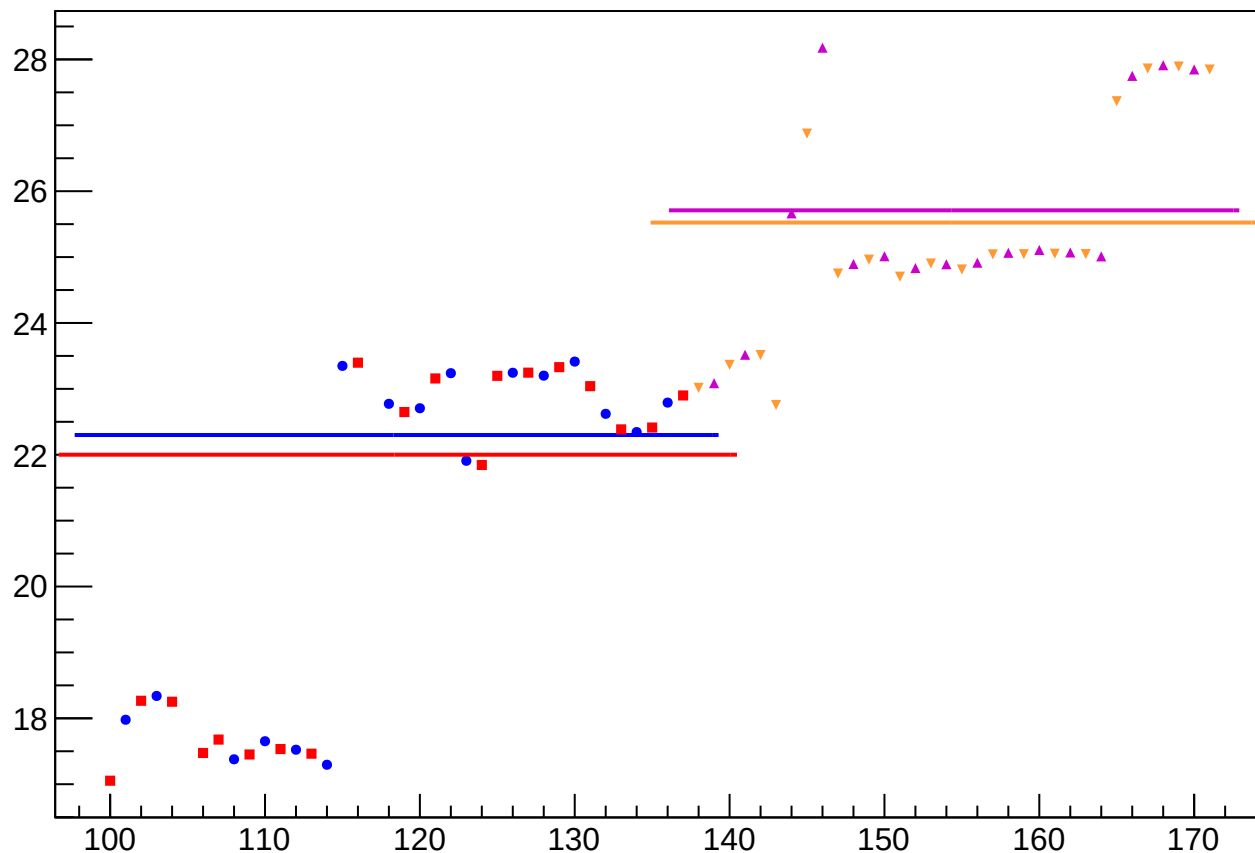
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:433917.8/15

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2948125.5/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5881224.3/69

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2903982.7/34

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 25.524+/-0.000 χ^2/NDF : 2667394186.8/17

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

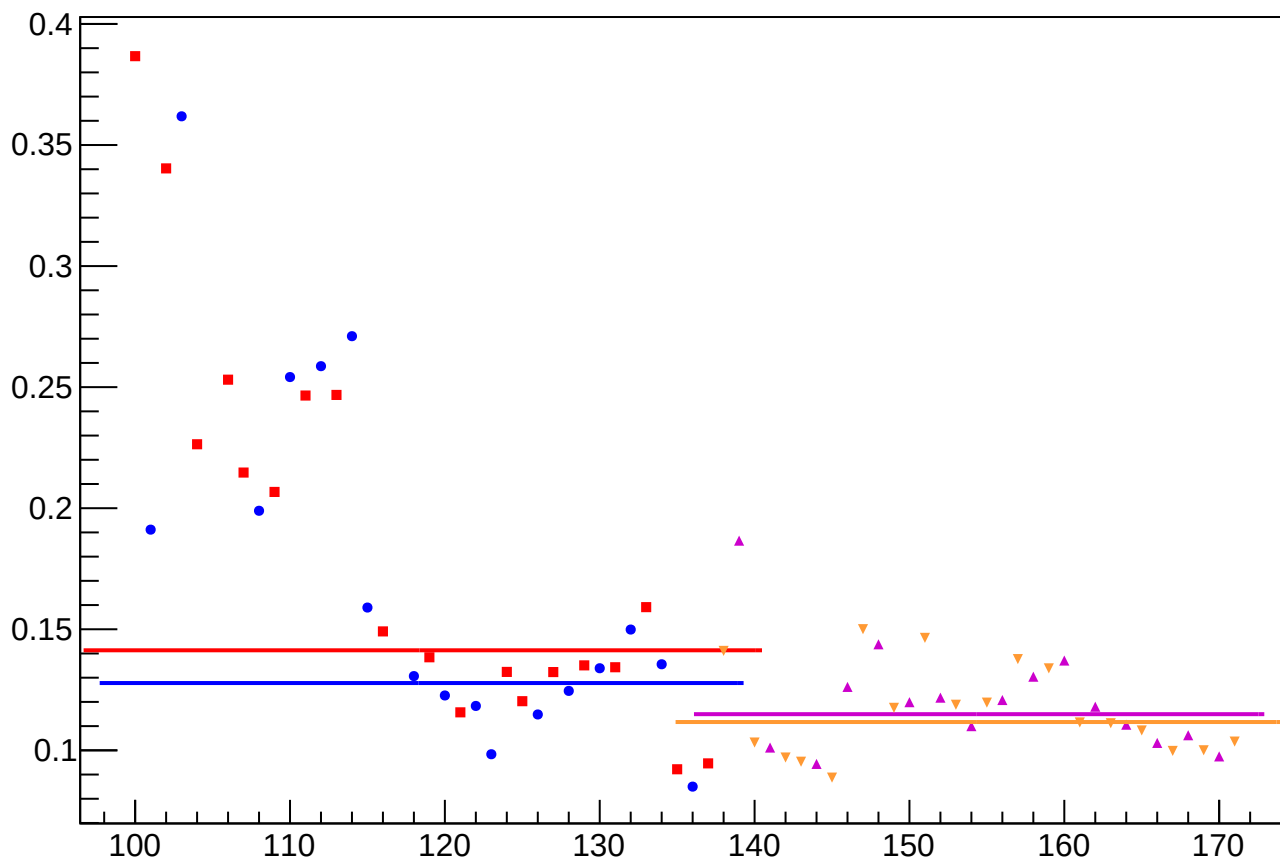
Left In: 25.709+/-0.000 χ^2/NDF : 1809963987.0/15

+ sign 24.714+/-0.000 χ^2/NDF : 6016523797.5/34

All: 24.741+/-0.000 χ^2/NDF : 11727044983.7

- sign 24.771+/-0.000 χ^2/NDF : 5708678743.6/34

yield_sam2_rms vs Slug



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.112 $\pm$ 0.000 χ^2 /NDF:520725.1/17

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1449275.1/18

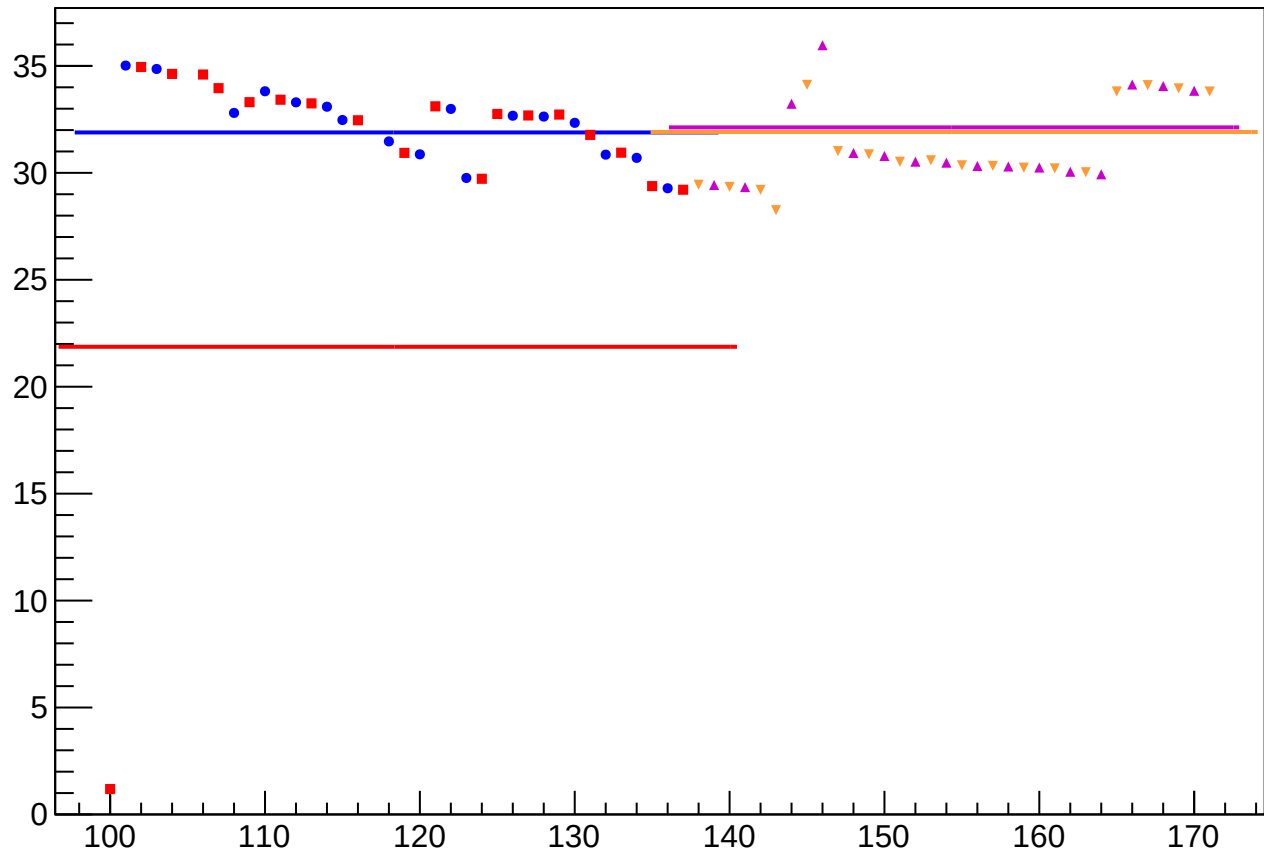
Left In: 0.115 $\pm$ 0.000 χ^2 /NDF:517366.5/15

+ sign 0.116 $\pm$ 0.000 χ^2 /NDF: 2133059.5/34

All: 0.118 $\pm$ 0.000 χ^2 /NDF: 4426282.4/69

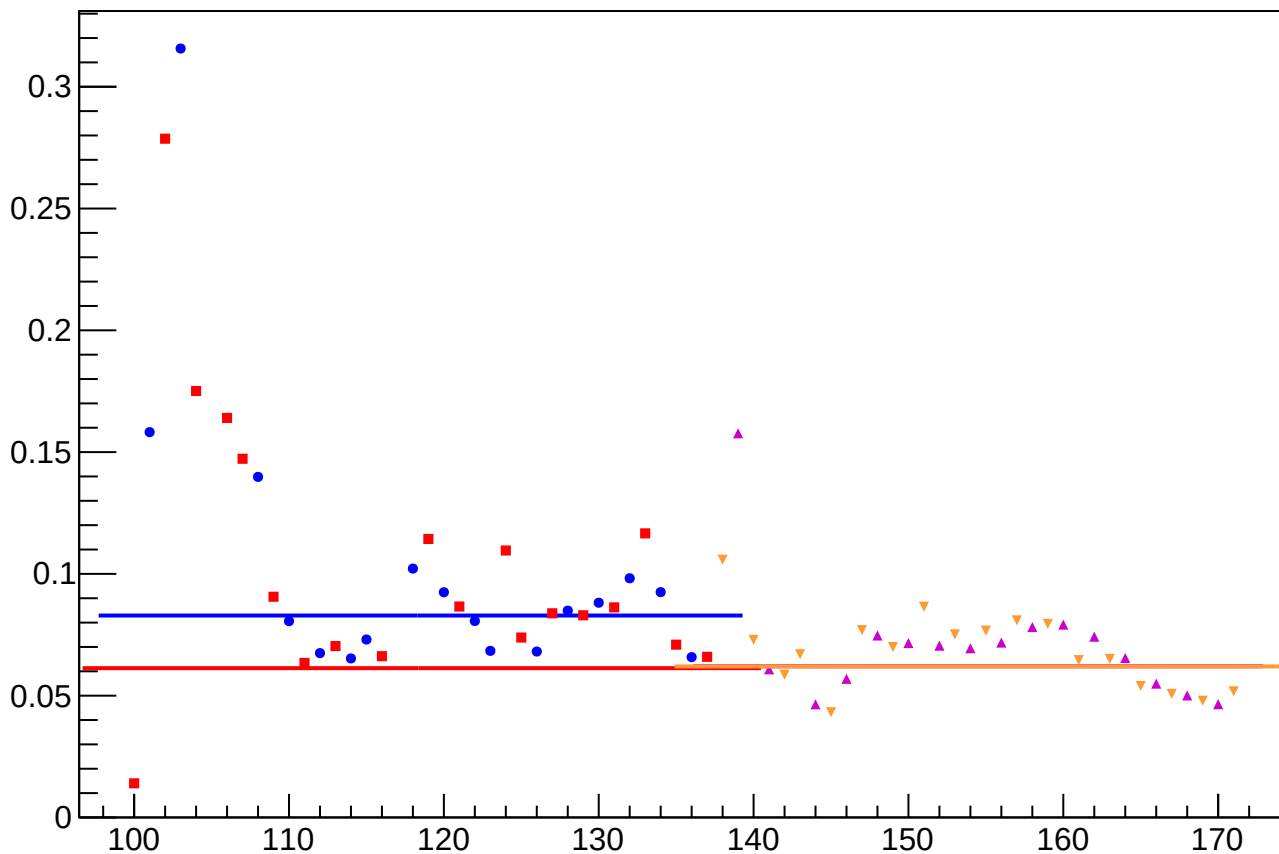
- sign 0.122 $\pm$ 0.000 χ^2 /NDF: 2253247.8/34

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000	χ^2/NDF : 1930403776.3/16	+ sign 31.907+/-0.000	χ^2/NDF : 12559096703.8/34
Left Out: 31.912+/-0.000	χ^2/NDF : 10628404486.0/17	All: 30.433+/-0.000	χ^2/NDF : 345365372819.
Right Out: 21.867+/-0.000	χ^2/NDF : 230068750081.7/18	- sign 29.019+/-0.000	χ^2/NDF : 318459419082.4/34
Left In: 32.126+/-0.000	χ^2/NDF : 10295996429.6/15		

yield_sam3_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.062 $\pm$ 0.000 χ^2 /NDF:1082197.2/17

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

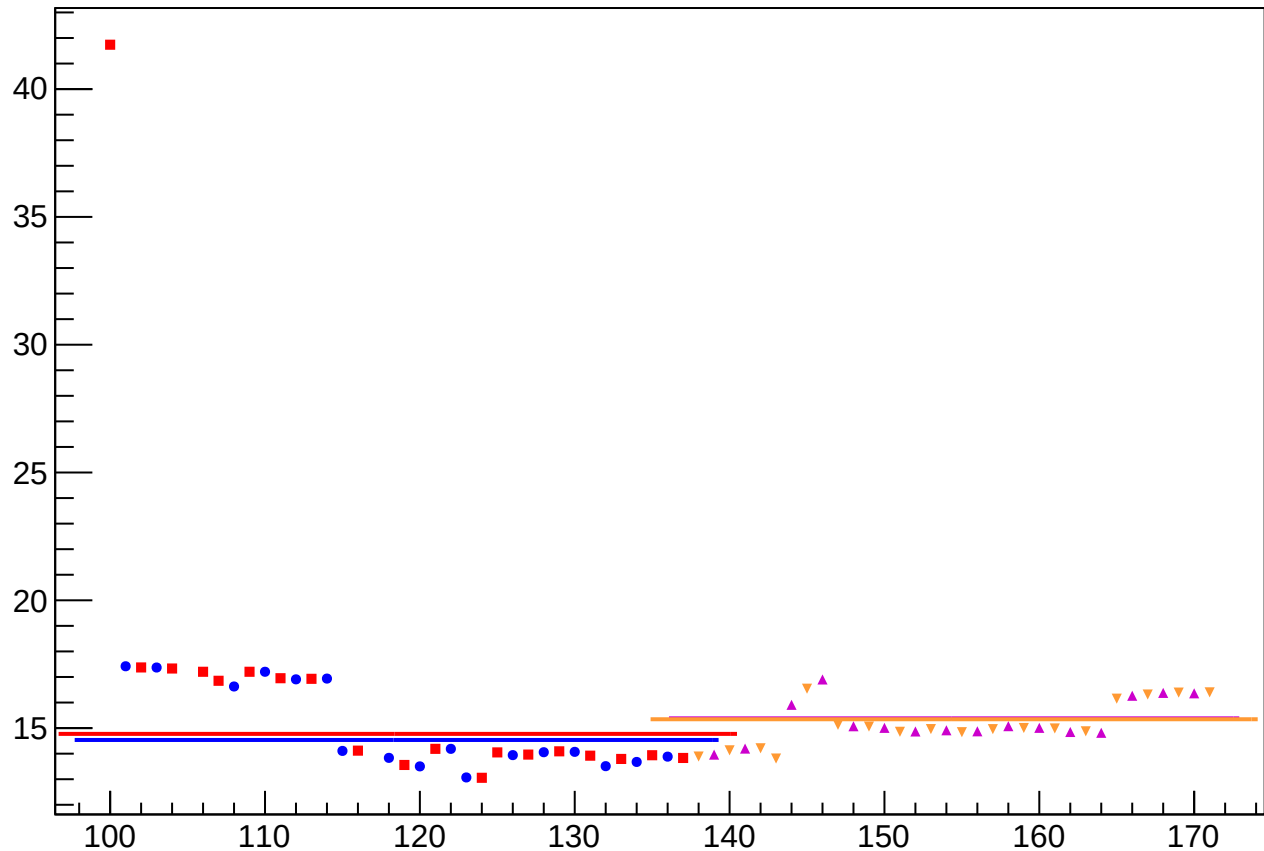
Left In: 0.062 $\pm$ 0.000 χ^2 /NDF:1184477.6/15

+ sign 0.066 $\pm$ 0.000 χ^2 /NDF: 2737626.5/34

All: 0.064 $\pm$ 0.000 χ^2 /NDF: 7599171.0/69

- sign 0.062 $\pm$ 0.000 χ^2 /NDF: 4789259.0/34

yield_sam4_mean vs Slug



Right In: 14.536 ± 0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.346 ± 0.000 χ^2/NDF : 1972609481.8/17

Right Out: 14.774 ± 0.000 χ^2/NDF : 1886755709.2/18

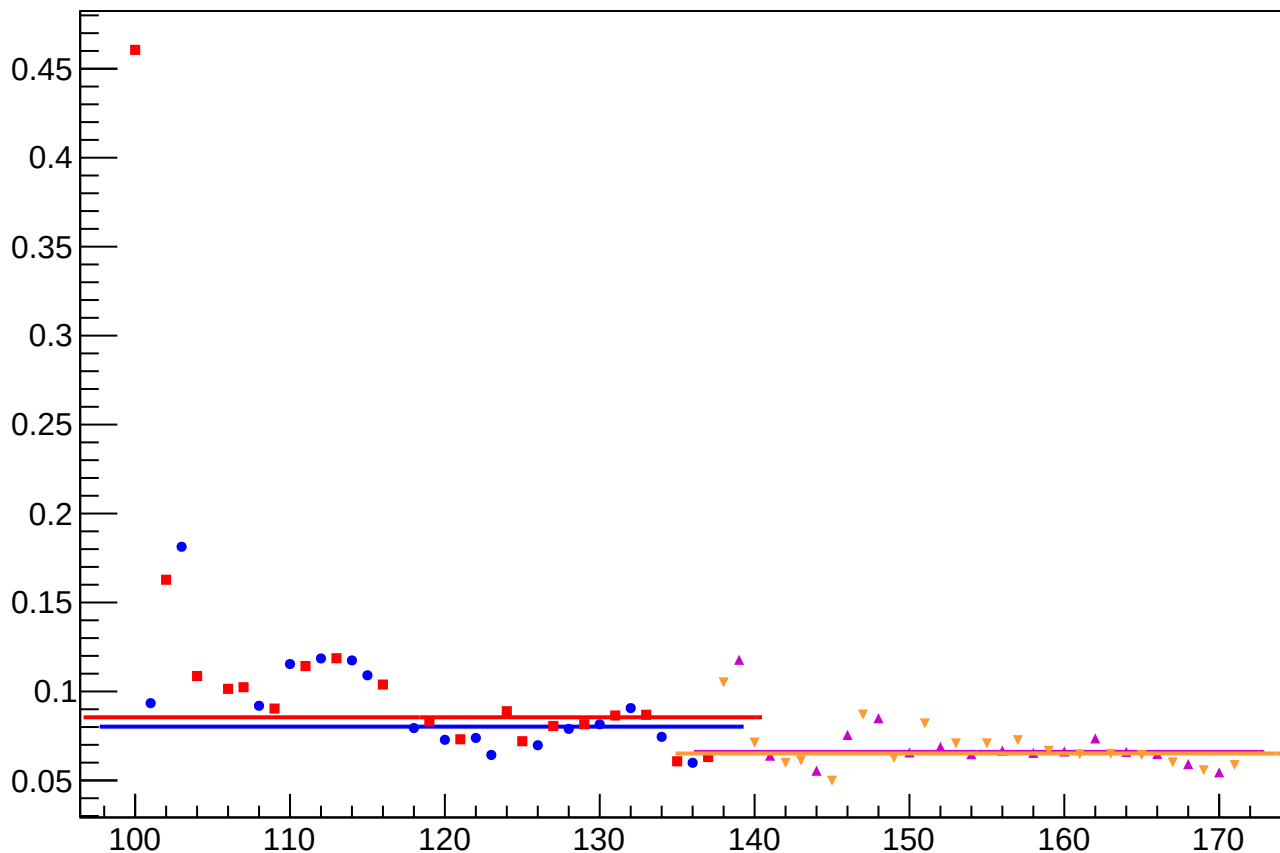
Left In: 15.382 ± 0.000 χ^2/NDF : 1430214333.4/15

+ sign 15.149 ± 0.000 χ^2/NDF : 3869230102.6/34

All: 15.188 ± 0.000 χ^2/NDF : 7420362602.8/6

- sign 15.230 ± 0.000 χ^2/NDF : 3540046297.1/34

yield_sam4_rms vs Slug



Right In: 0.080 ± 0.000 χ^2/NDF : 778734.5/16

Left Out: 0.065 ± 0.000 χ^2/NDF : 564542.6/17

Right Out: 0.085 ± 0.000 χ^2/NDF : 738043.0/18

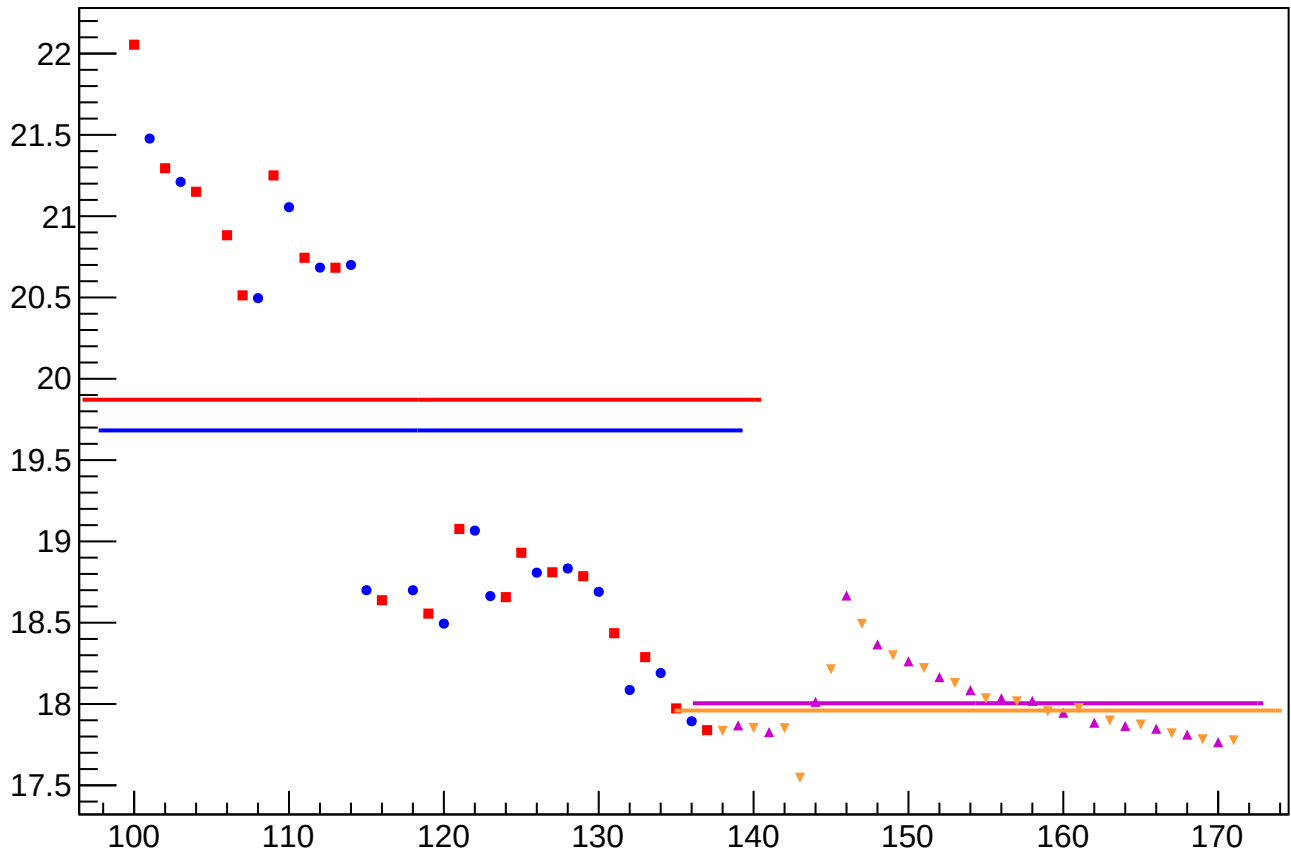
Left In: 0.066 ± 0.000 χ^2/NDF : 513901.5/15

+ sign 0.069 ± 0.000 χ^2/NDF : 1638197.7/34

All: 0.070 ± 0.000 χ^2/NDF : 3360128.0/69

- sign 0.071 ± 0.000 χ^2/NDF : 1707230.0/34

yield_sam5_mean vs Slug



Right In: 19.683 $\pm$ 0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.960 $\pm$ 0.000 χ^2/NDF : 533245476.1/17

Right Out: 19.871 $\pm$ 0.000 χ^2/NDF : 11324266794.7/18

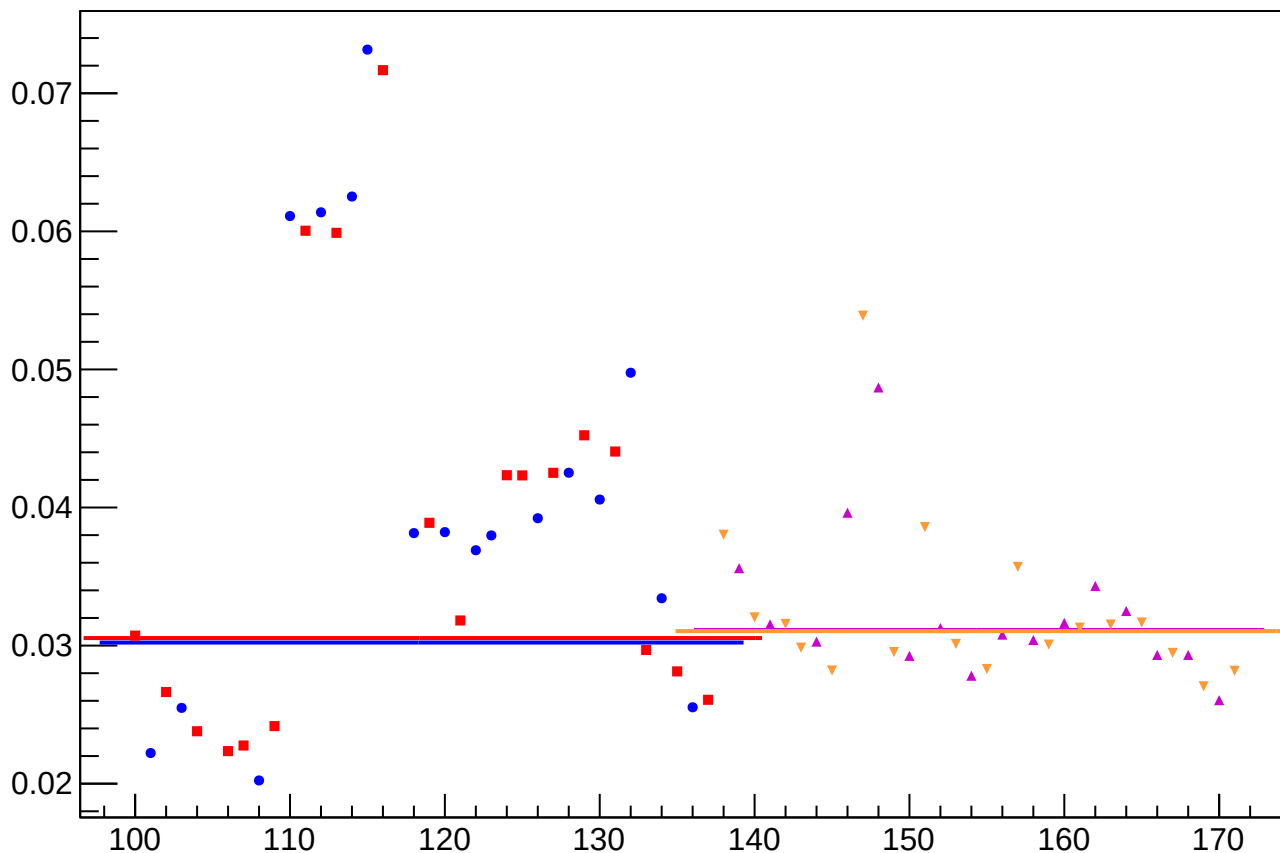
Left In: 18.005 $\pm$ 0.000 χ^2/NDF : 519720817.9/15

+ sign 18.505 $\pm$ 0.000 χ^2/NDF : 25210368921.8/34

All: 18.572 $\pm$ 0.000 χ^2/NDF : 51744731614.8

- sign 18.641 $\pm$ 0.000 χ^2/NDF : 26358750833.3/34

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.031+/-0.000 χ^2/NDF : 492613.7/17

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

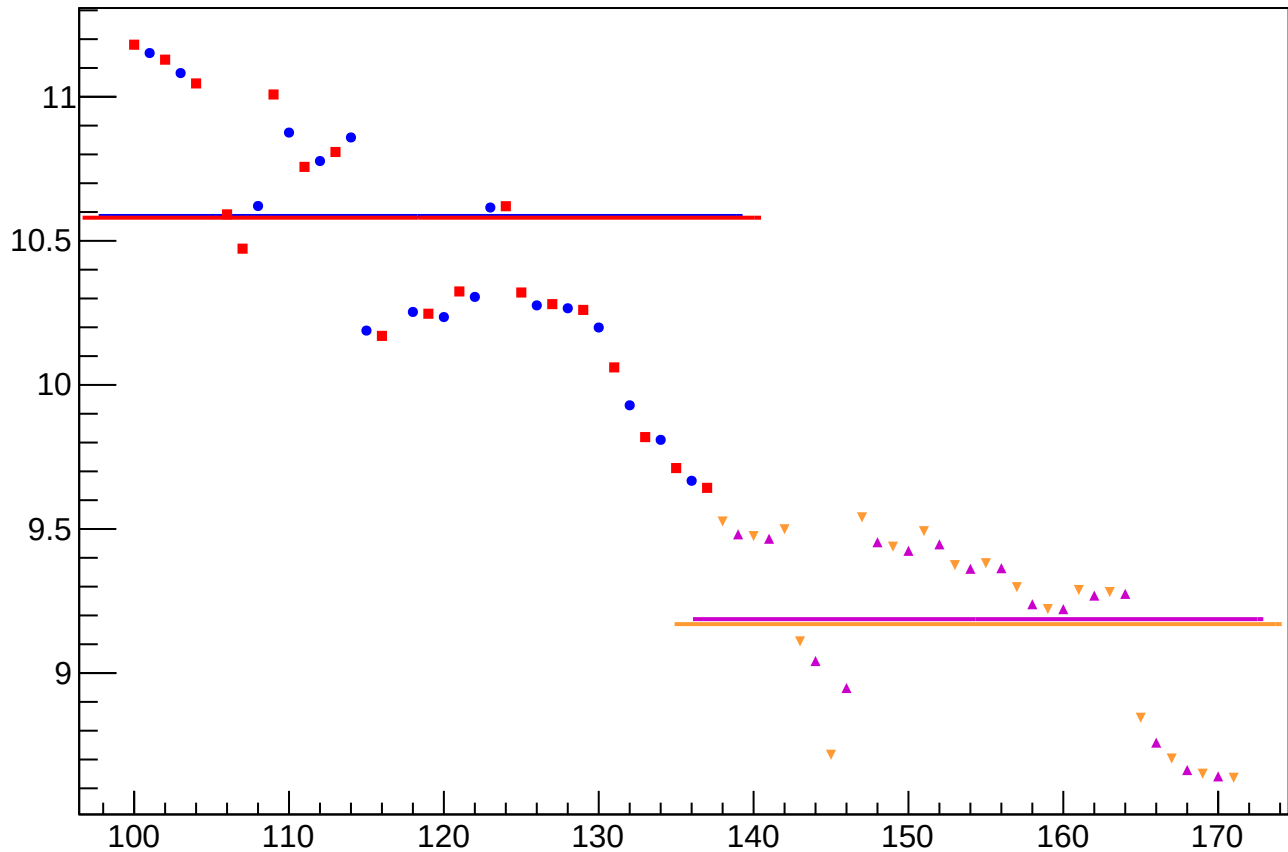
Left In: 0.031+/-0.000 χ^2/NDF : 406661.2/15

+ sign 0.031+/-0.000 χ^2/NDF : 1822862.4/34

All: 0.031+/-0.000 χ^2/NDF : 3422500.2/69

- sign 0.031+/-0.000 χ^2/NDF : 1599243.6/34

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.170 $\pm$ 0.000 χ^2 /NDF: 3304859759.9/17

+ sign 9.804 $\pm$ 0.000 χ^2 /NDF: 39595797234.1/34

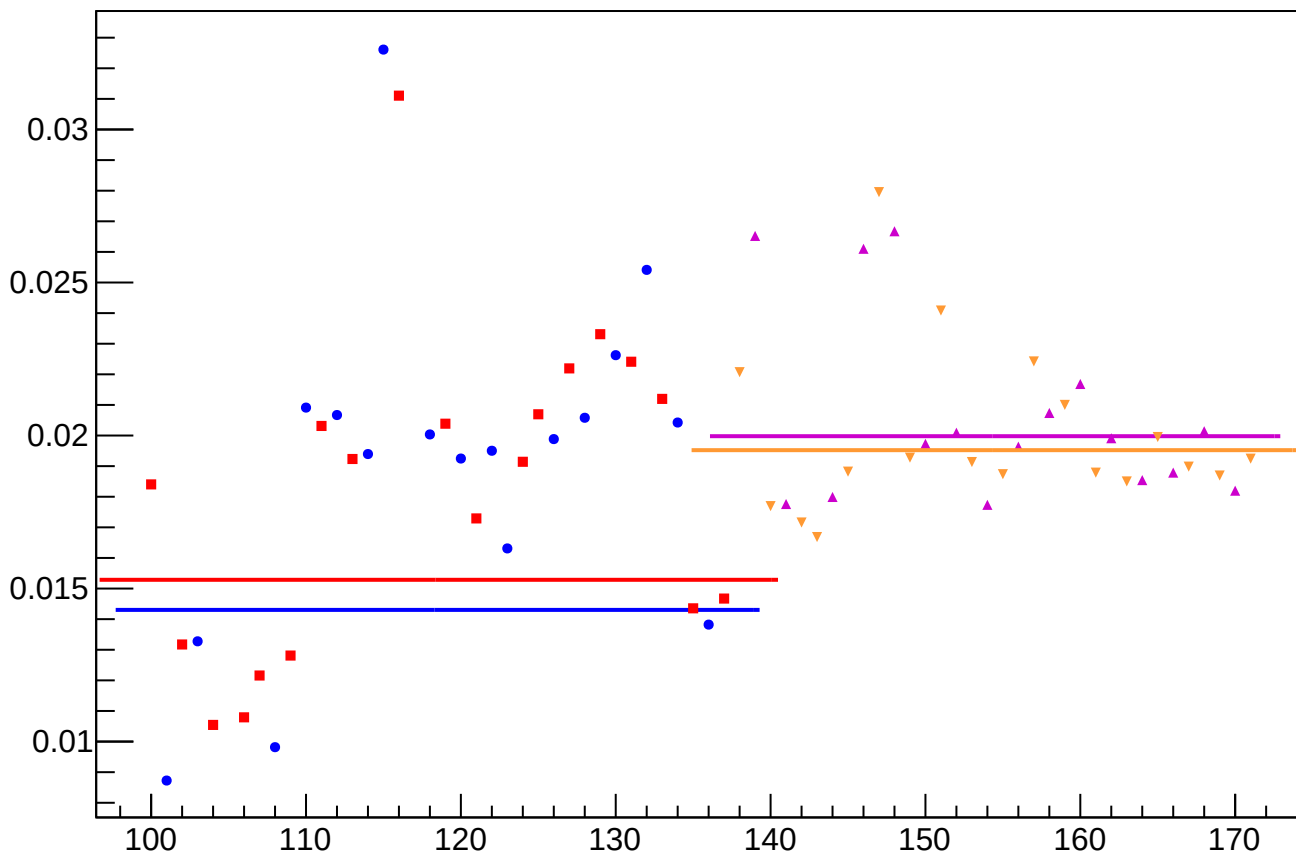
Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5763852721.2/18

All: 9.822 $\pm$ 0.000 χ^2 /NDF: 73696610434.6/6

Left In: 9.187 $\pm$ 0.000 χ^2 /NDF: 2313228463.6/15

- sign 9.842 $\pm$ 0.000 χ^2 /NDF: 34058737030.8/34

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:319446.4/17

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

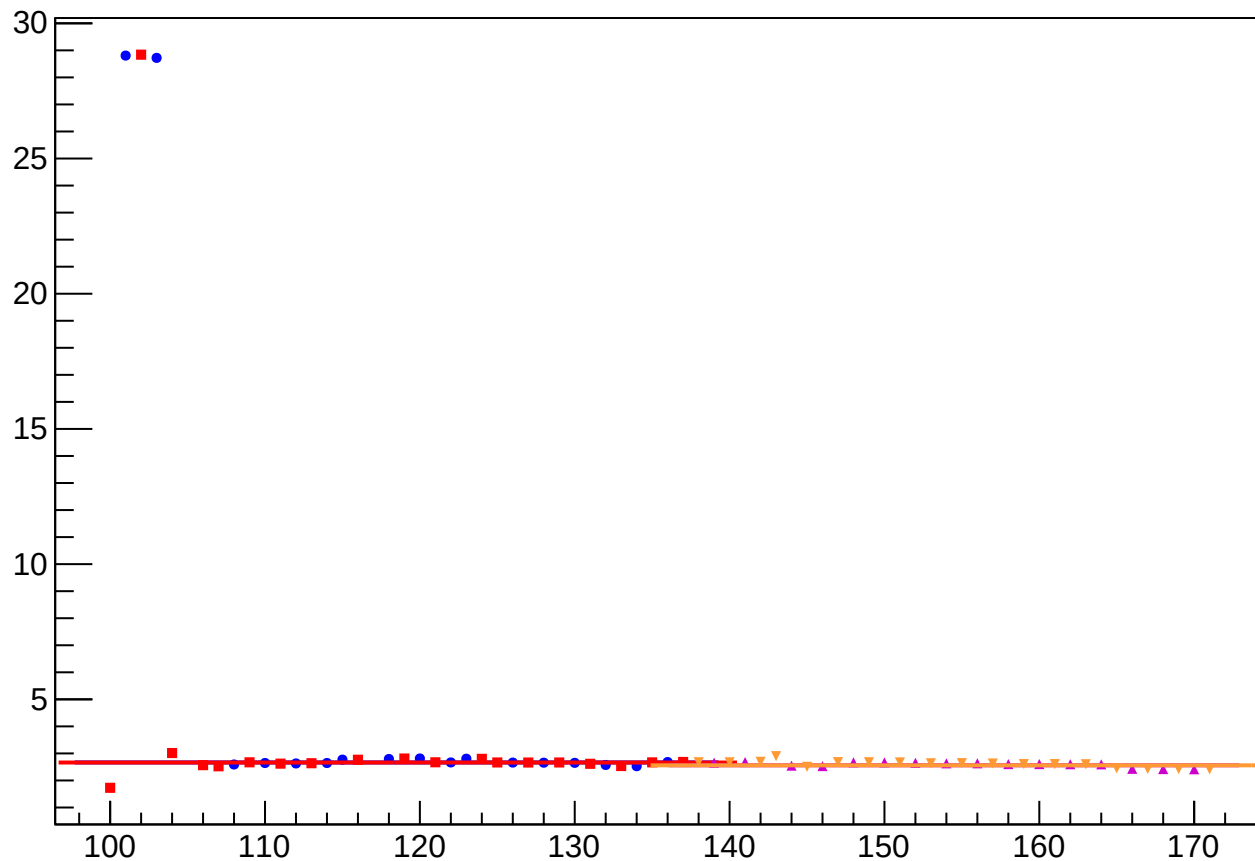
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:366778.5/15

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2511365.5/34

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 4475731.7/69

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 1945249.2/34

yield_sam7_mean vs Slug



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.560 $\pm$ 0.000 χ^2 /NDF: 36351190547.1/17

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

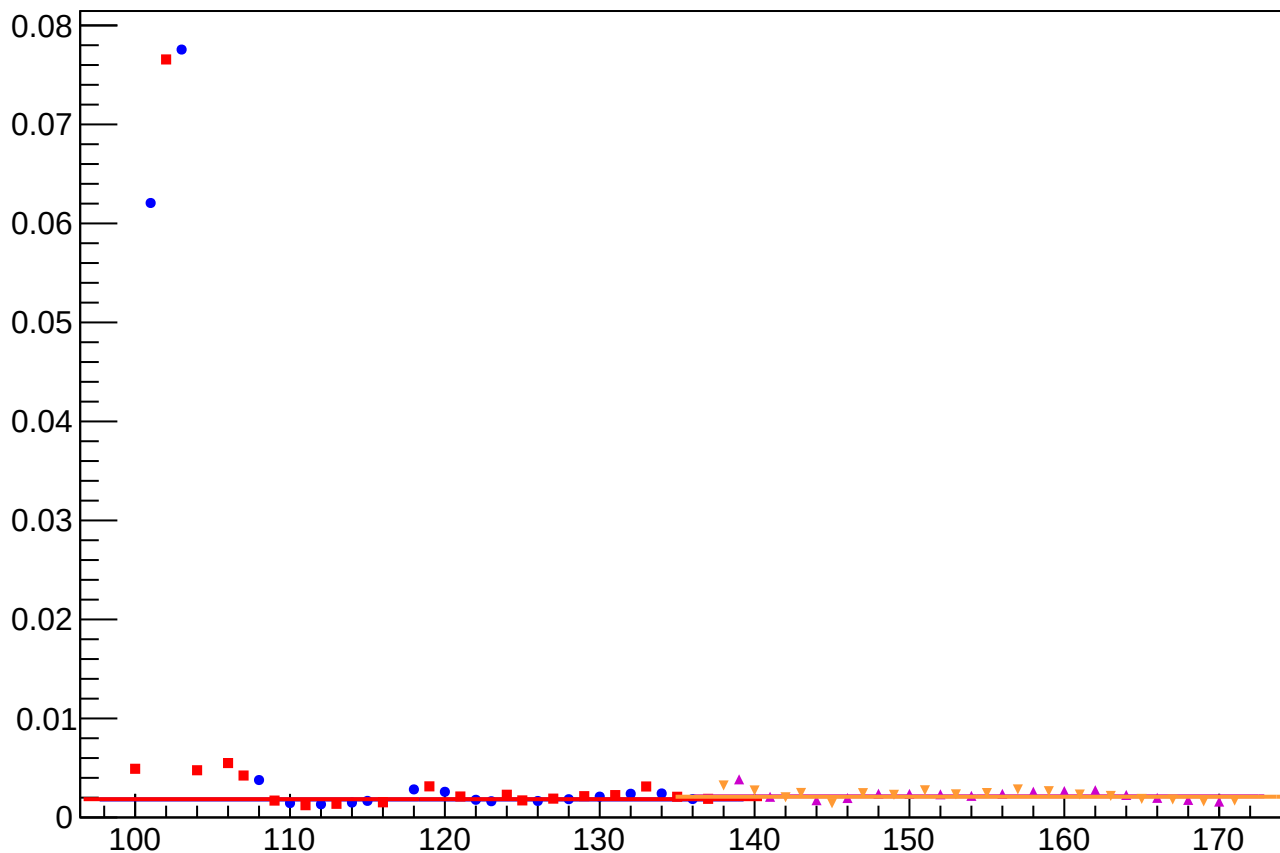
Left In: 2.562 $\pm$ 0.000 χ^2 /NDF: 20921808297.4/15

+ sign 2.597 $\pm$ 0.000 χ^2 /NDF: 209341390612.7/34

All: 2.600 $\pm$ 0.000 χ^2 /NDF: 309568972406.4

- sign 2.602 $\pm$ 0.000 χ^2 /NDF: 100192938172.1/34

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2661372.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1060023.3/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2331228.4/18

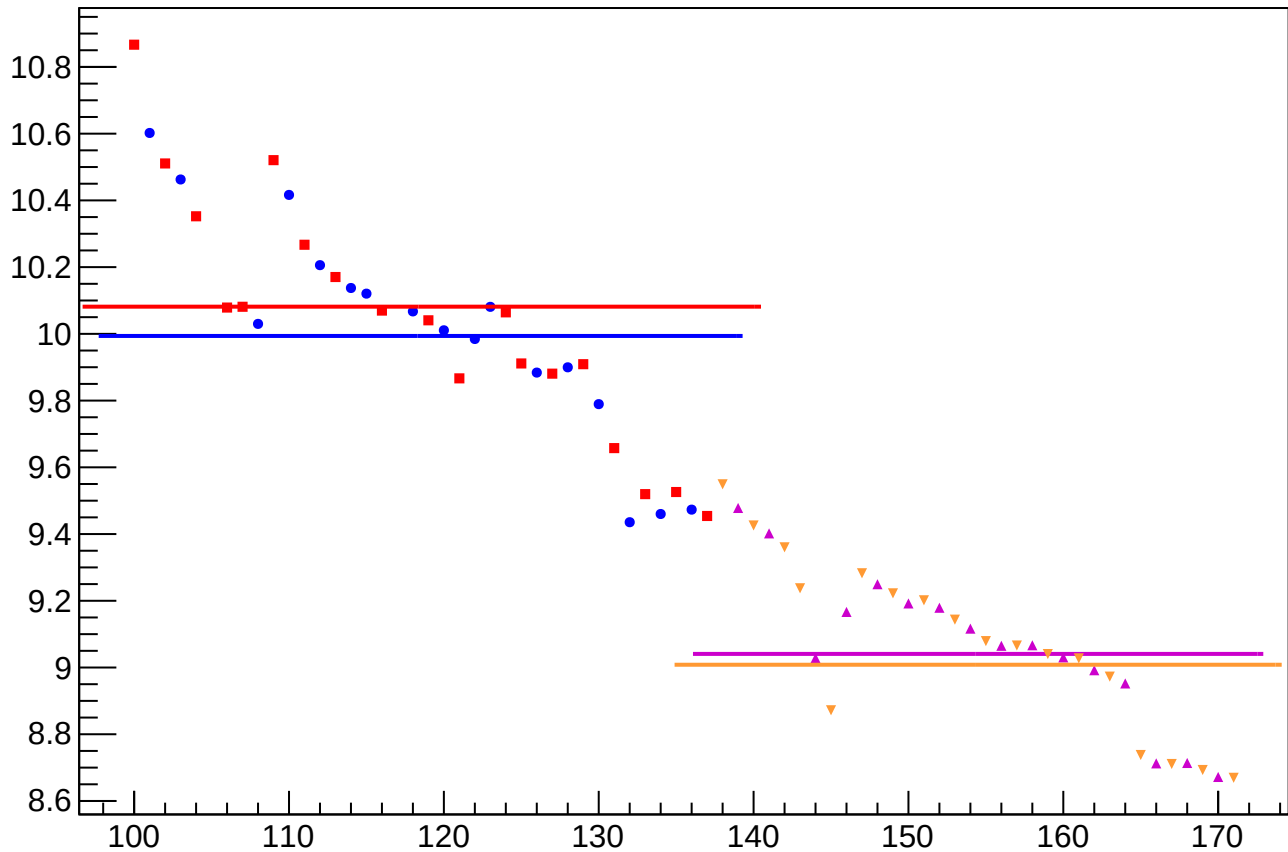
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:799895.7/15

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3854634.7/34

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7135815.1/69

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3278271.3/34

yield_sam8_mean vs Slug



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 9.008 $\pm$ 0.000 χ^2 /NDF: 15877801574.4/17

+ sign 9.384 $\pm$ 0.000 χ^2 /NDF: 143250369063.2/34

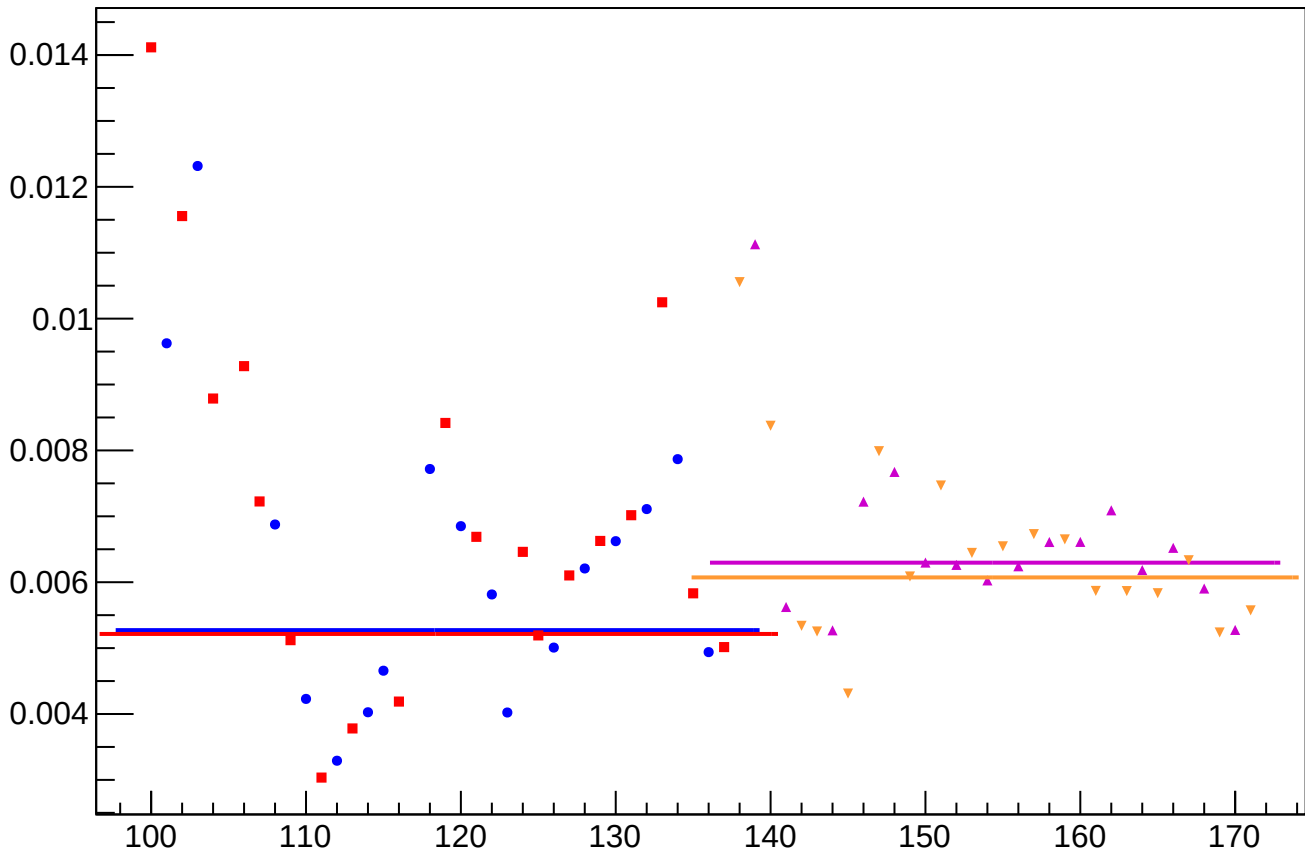
Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

All: 9.435 $\pm$ 0.000 χ^2 /NDF: 291572383782.8

- sign 9.488 $\pm$ 0.000 χ^2 /NDF: 145844320202.6/34

Left In: 9.041 $\pm$ 0.000 χ^2 /NDF: 11688840502.8/15

yield_sam8_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1245563.1/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 737026.8/17

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1657948.7/18

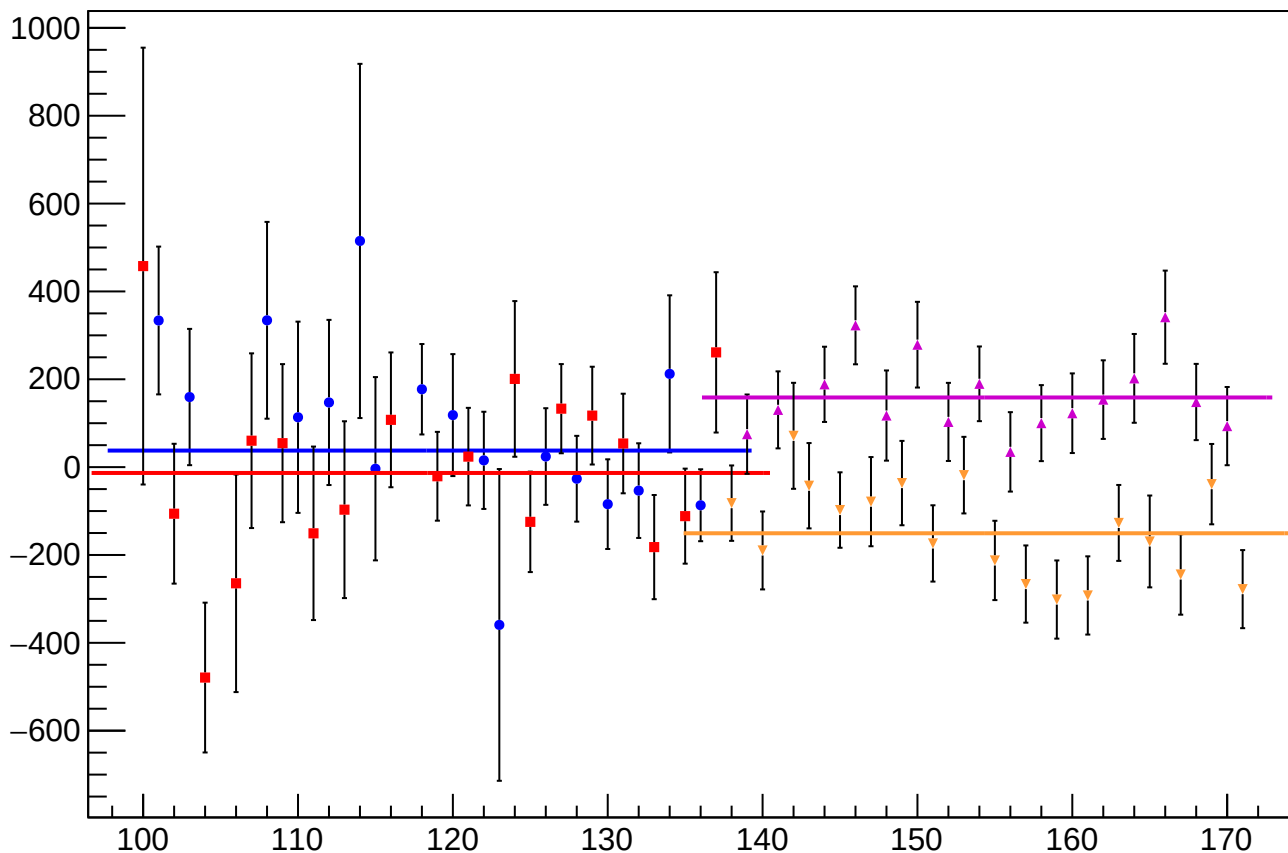
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 470398.5/15

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2125610.9/34

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4512161.5/69

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2384671.2/34

reg_asym_sam1_mean vs Slug



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -150.571 $\pm$ 21.628 χ^2 /NDF: 22.4/17

Right Out: -13.278 $\pm$ 32.066 χ^2 /NDF: 22.7/18

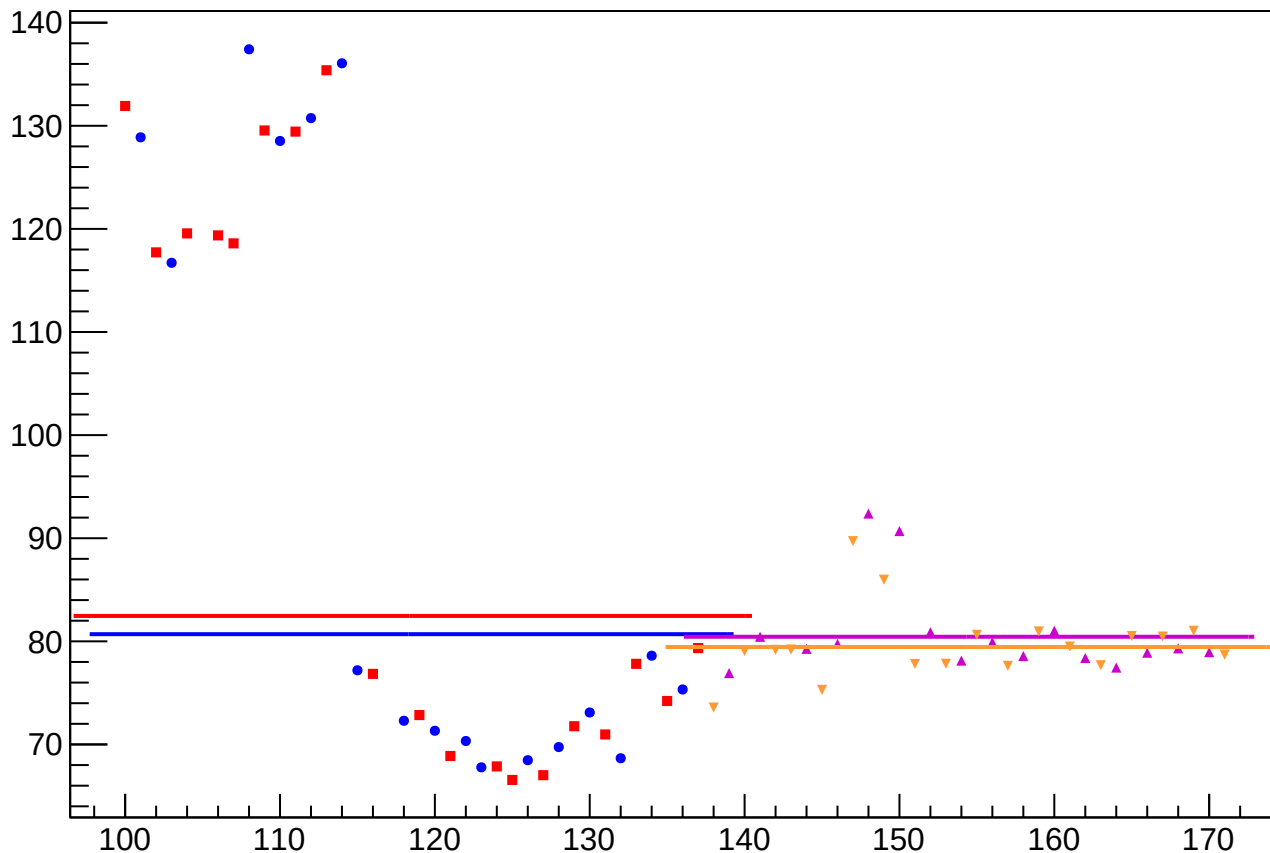
Left In: 158.570 $\pm$ 22.769 χ^2 /NDF: 12.9/15

+ sign -92.175 $\pm$ 17.963 χ^2 /NDF: 62.6/34

All: 1.216 $\pm$ 12.909 χ^2 /NDF: 173.2/69

- sign 100.969 $\pm$ 18.565 χ^2 /NDF: 54.7/34

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.449 $\pm$ 0.015 χ^2 /NDF: 49023.9/17

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

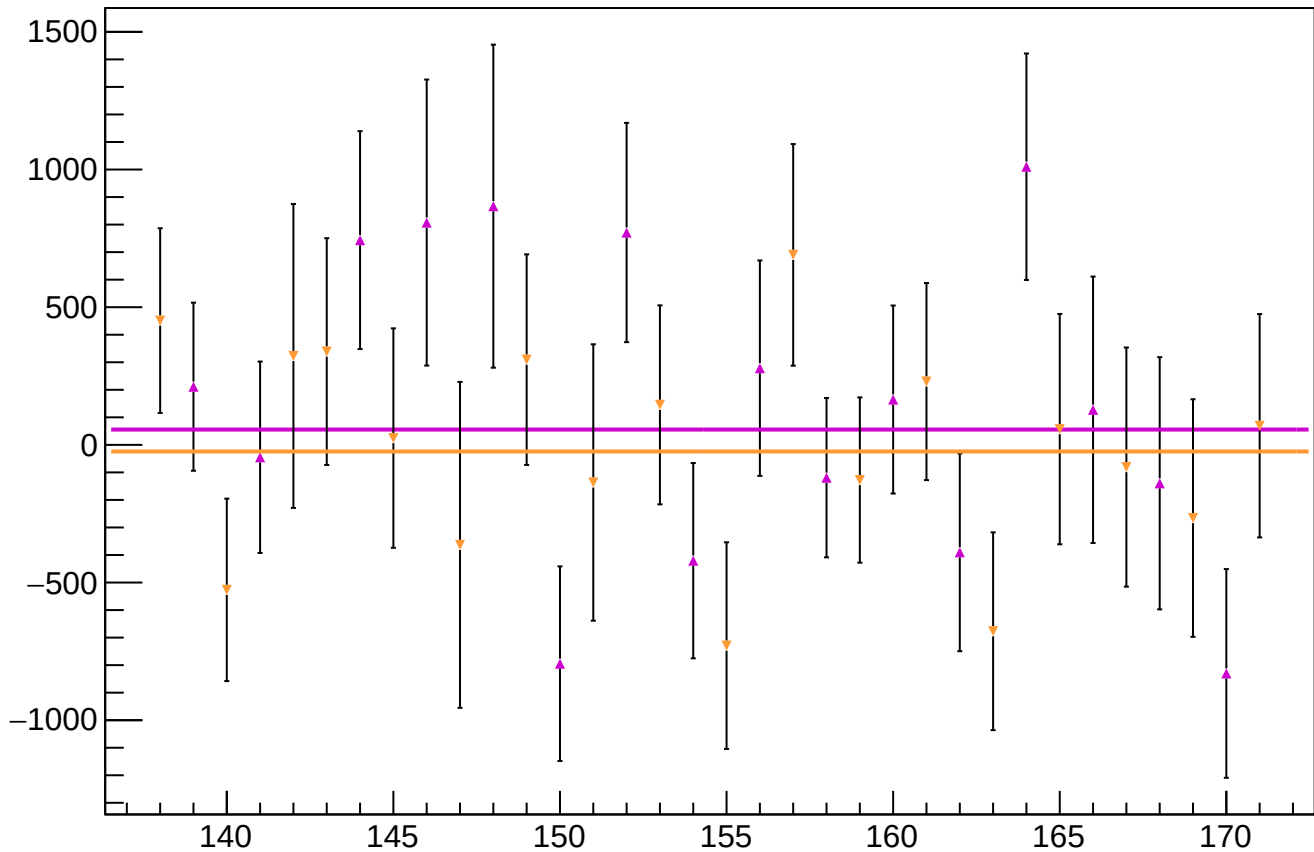
Left In: 80.444 $\pm$ 0.016 χ^2 /NDF: 59450.1/15

+ sign 79.835 $\pm$ 0.013 χ^2 /NDF: 865106.7/34

All: 80.457 $\pm$ 0.009 χ^2 /NDF: 1849663.1/69

- sign 81.121 $\pm$ 0.013 χ^2 /NDF: 979602.5/34

asym_sam1_correction_mean vs Slug



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

Left Out: -24.026 $\pm$ 92.374 χ^2 /NDF:17.9/17

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

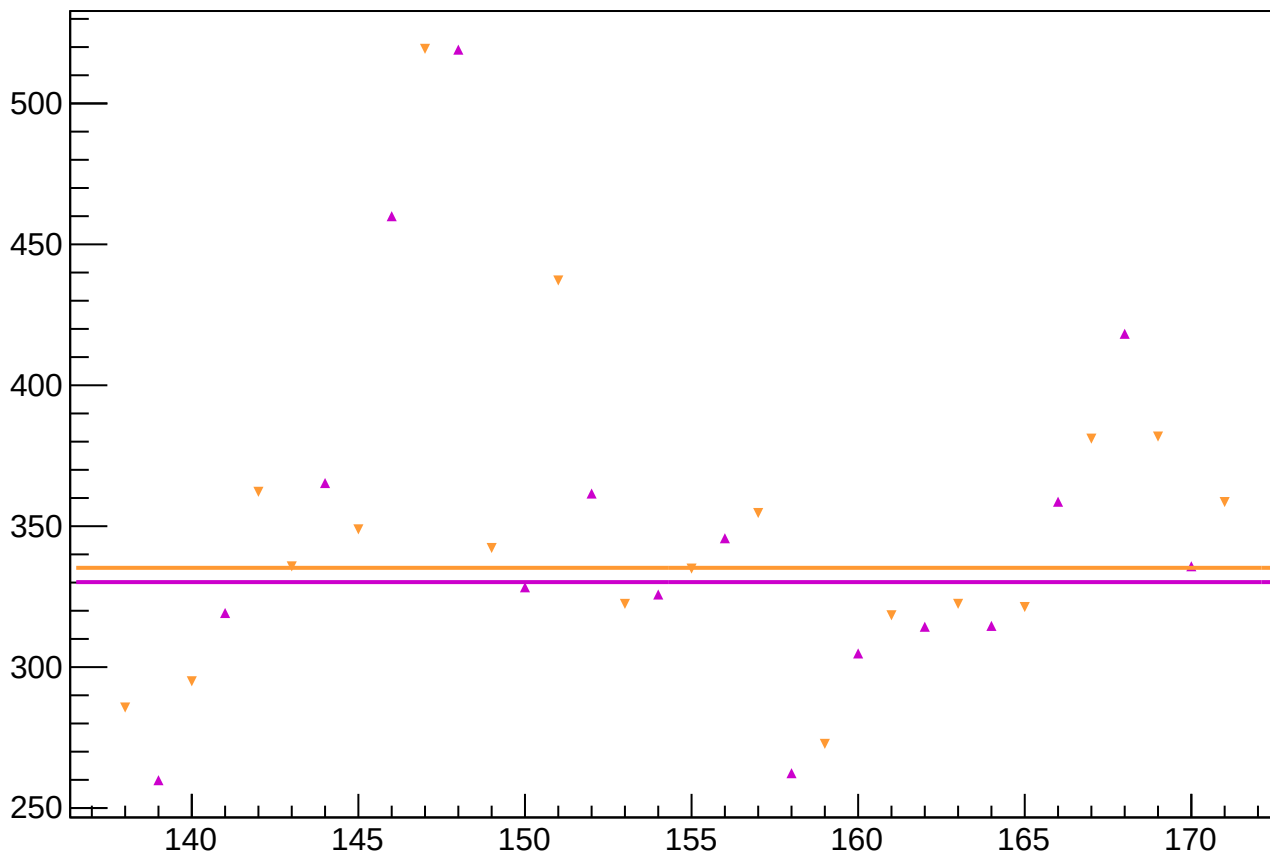
Left In: 55.626 $\pm$ 94.922 χ^2 /NDF:31.6/15

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

All: 14.717 $\pm$ 66.201 χ^2 /NDF: 49.8/33

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

asym_sam1_correction_rms vs Slug



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

Left Out: 335.231+/-0.065 χ^2/NDF : 512308.6/17

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

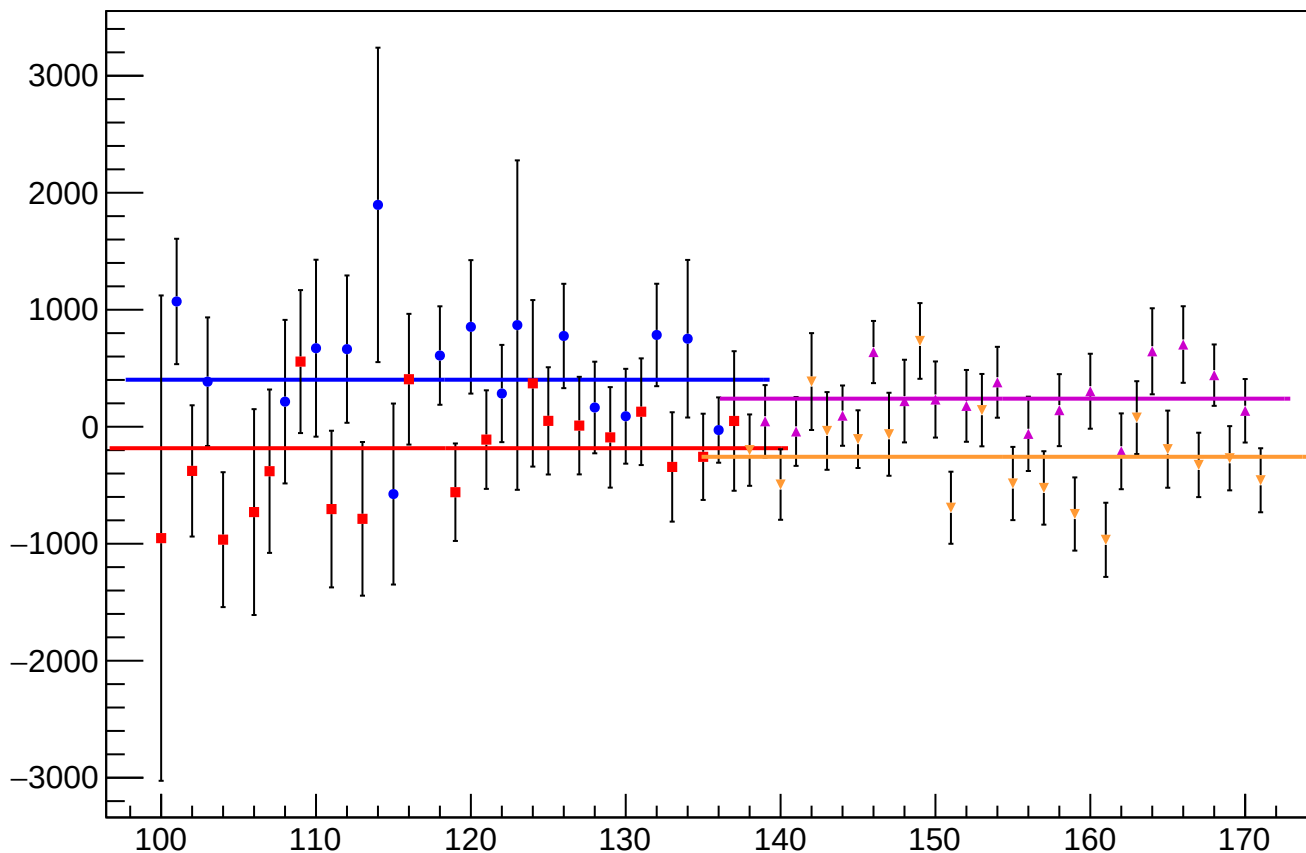
Left In: 330.162+/-0.067 χ^2/NDF : 681140.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 332.766+/-0.047 χ^2/NDF : 1196378.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam2_mean vs Slug



Right In: 401.871+/-121.048 χ^2/NDF : 10.9/16

Left Out: -256.906+/-72.266 χ^2/NDF : 27.7/17

Right Out: -183.481+/-120.338 χ^2/NDF : 9.3/18

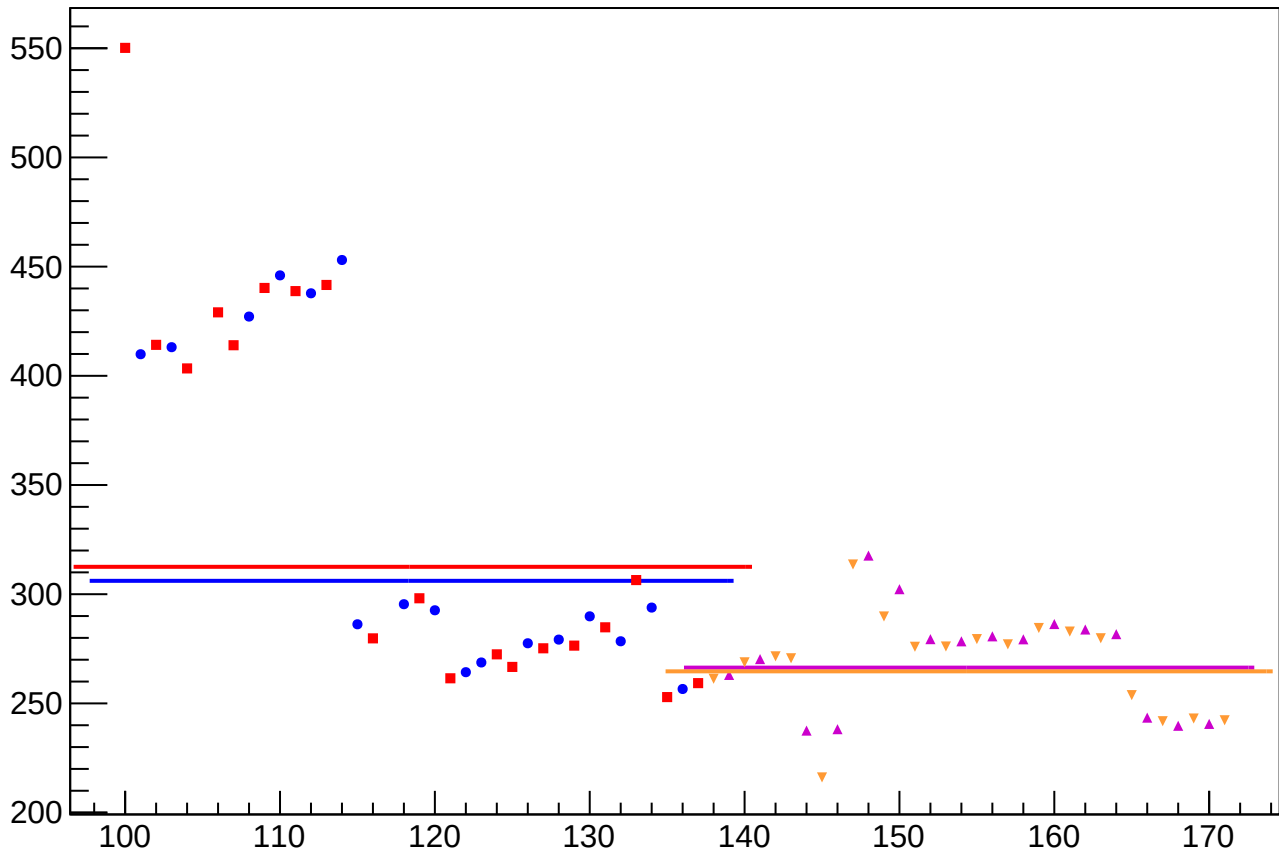
Left In: 239.891+/-75.638 χ^2/NDF : 11.0/15

+ sign -83.802+/-62.050 χ^2/NDF : 60.4/34

All: 14.883+/-44.562 χ^2/NDF : 94.9/69

- sign 119.996+/-64.039 χ^2/NDF : 29.2/34

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 264.679+/-0.051 χ^2/NDF : 203593.5/17

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

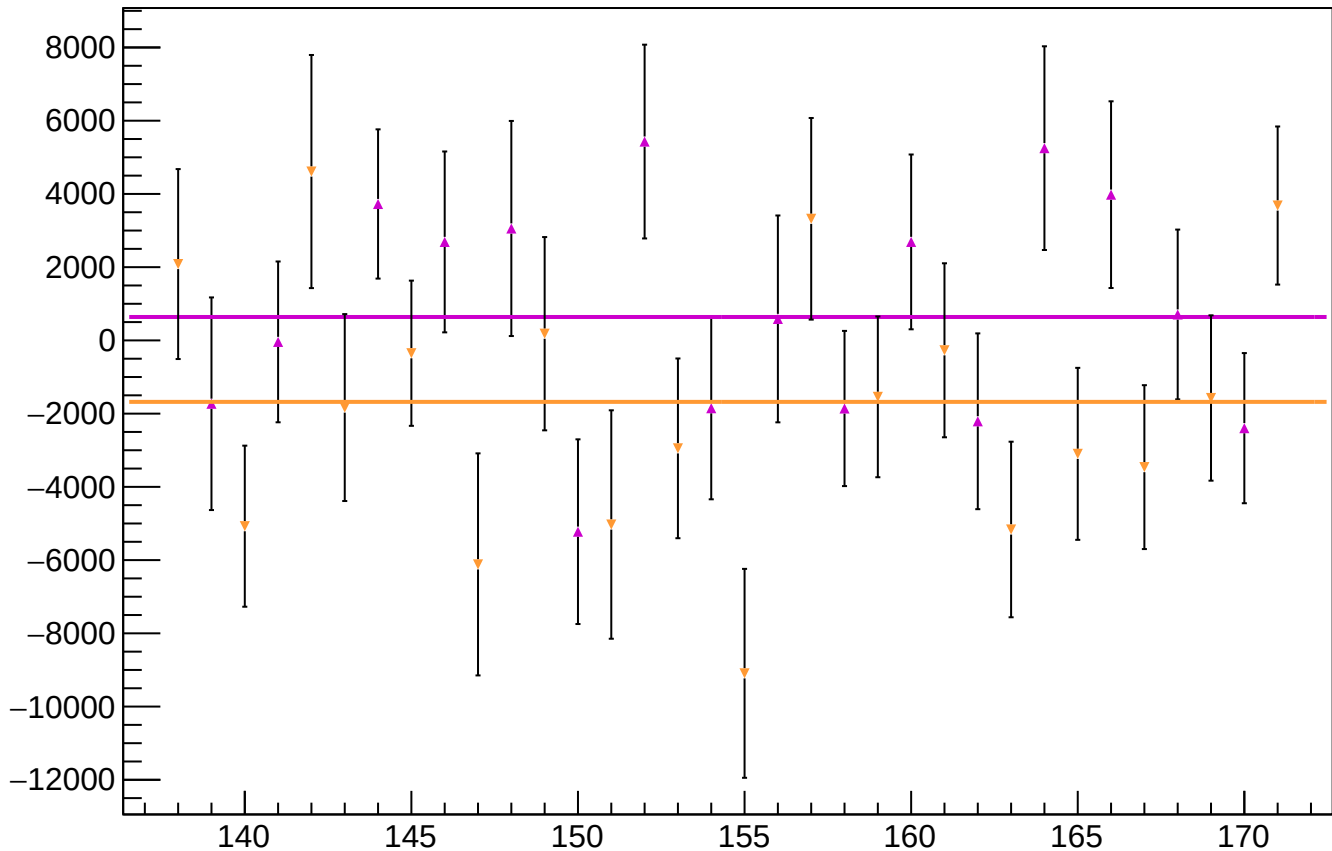
Left In: 266.378+/-0.053 χ^2/NDF : 194520.4/15

+ sign 275.569+/-0.044 χ^2/NDF : 884877.1/34

All: 277.449+/-0.032 χ^2/NDF : 1919937.3/69

- sign 279.452+/-0.045 χ^2/NDF : 1031268.1/34

asym_sam2_correction_mean vs Slug



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

Left Out: -1678.666+/-578.487 χ^2/NDF : 32.6/17

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

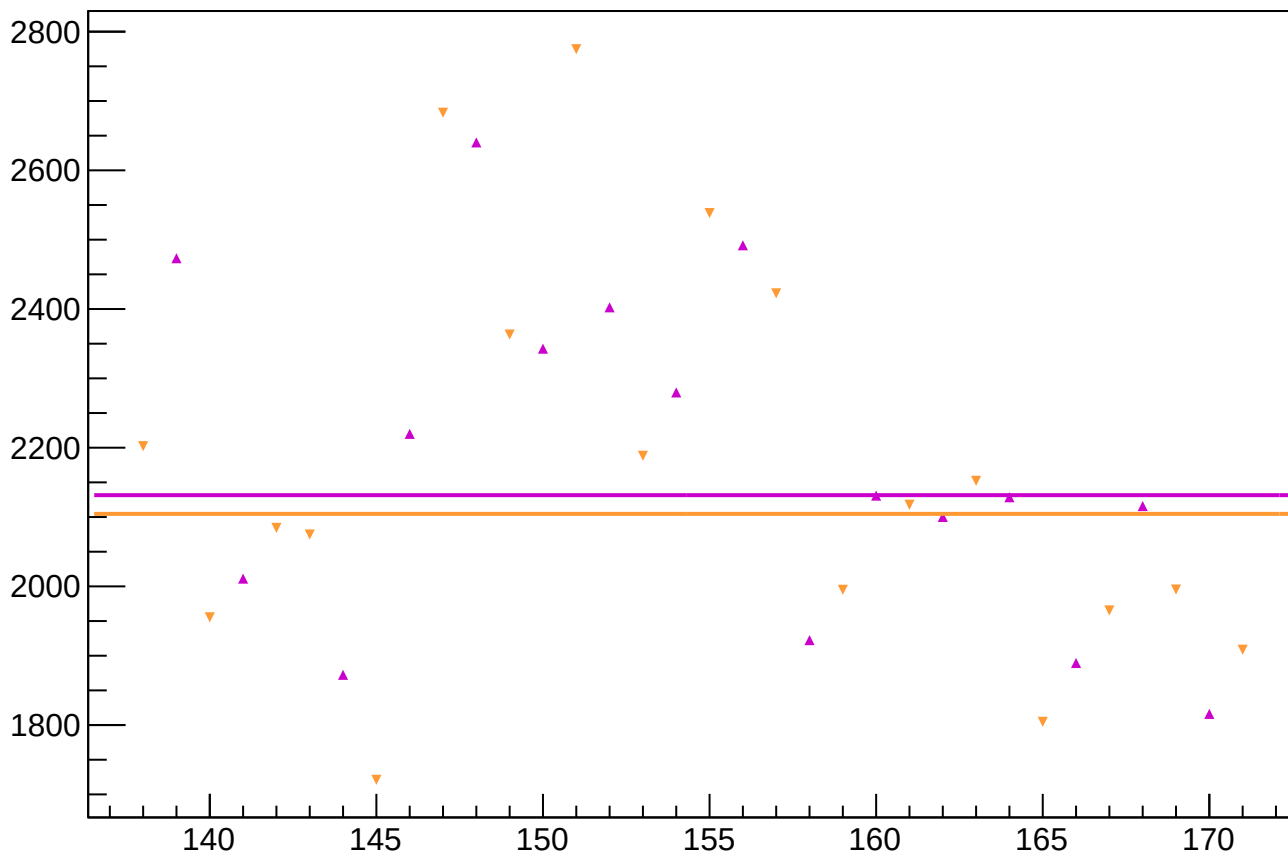
Left In: 639.573+/-607.195 χ^2/NDF : 24.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -575.644+/-418.833 χ^2/NDF : 64.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam2_correction_rms vs Slug



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

Left Out: 2104.529+/-0.409 χ^2/NDF : 414144.4/17

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

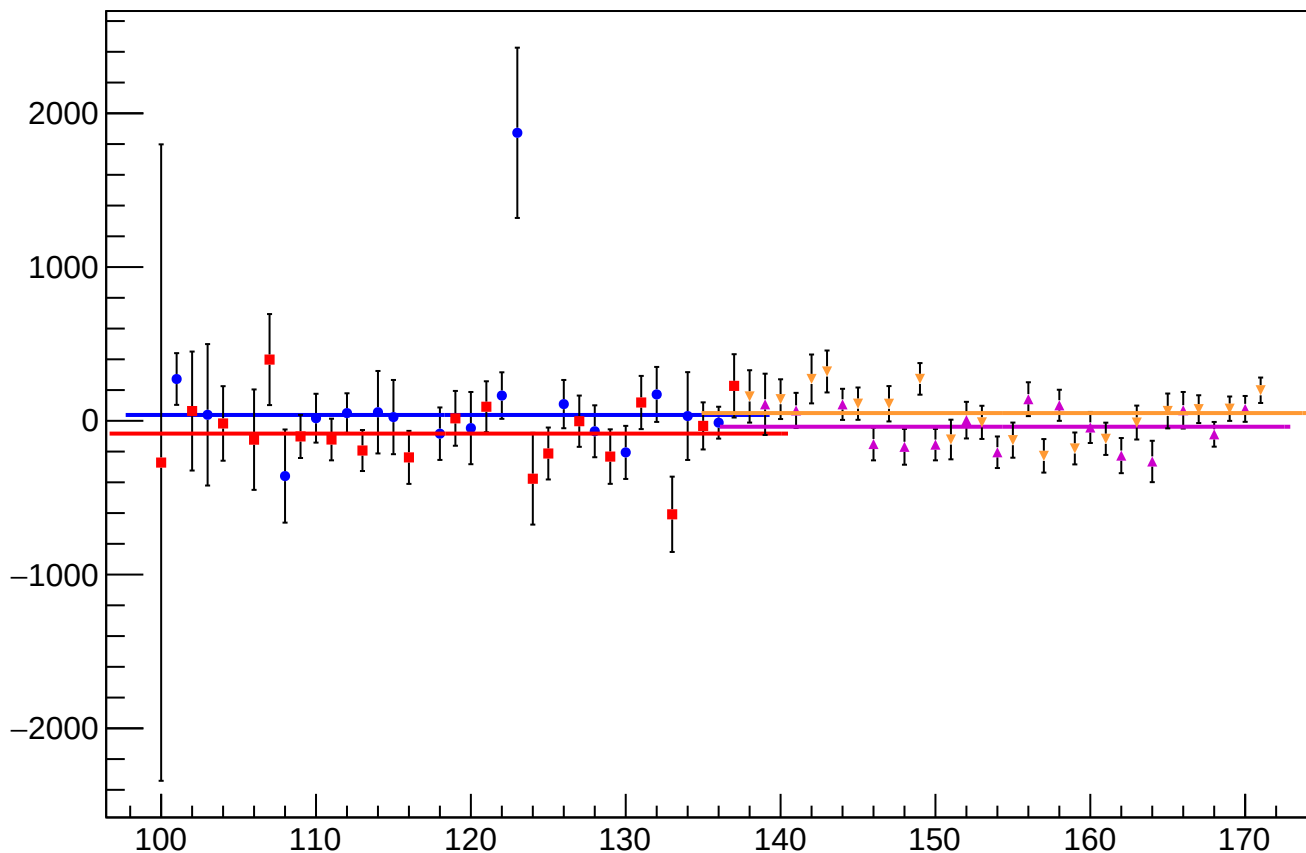
Left In: 2131.557+/-0.429 χ^2/NDF : 288519.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2117.389+/-0.296 χ^2/NDF : 704741.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_mean vs Slug



Right In: 38.126 ± 43.548 χ^2/NDF : 19.4/16

Left Out: 50.406 ± 25.595 χ^2/NDF : 34.3/17

Right Out: -83.101 ± 43.098 χ^2/NDF : 16.7/18

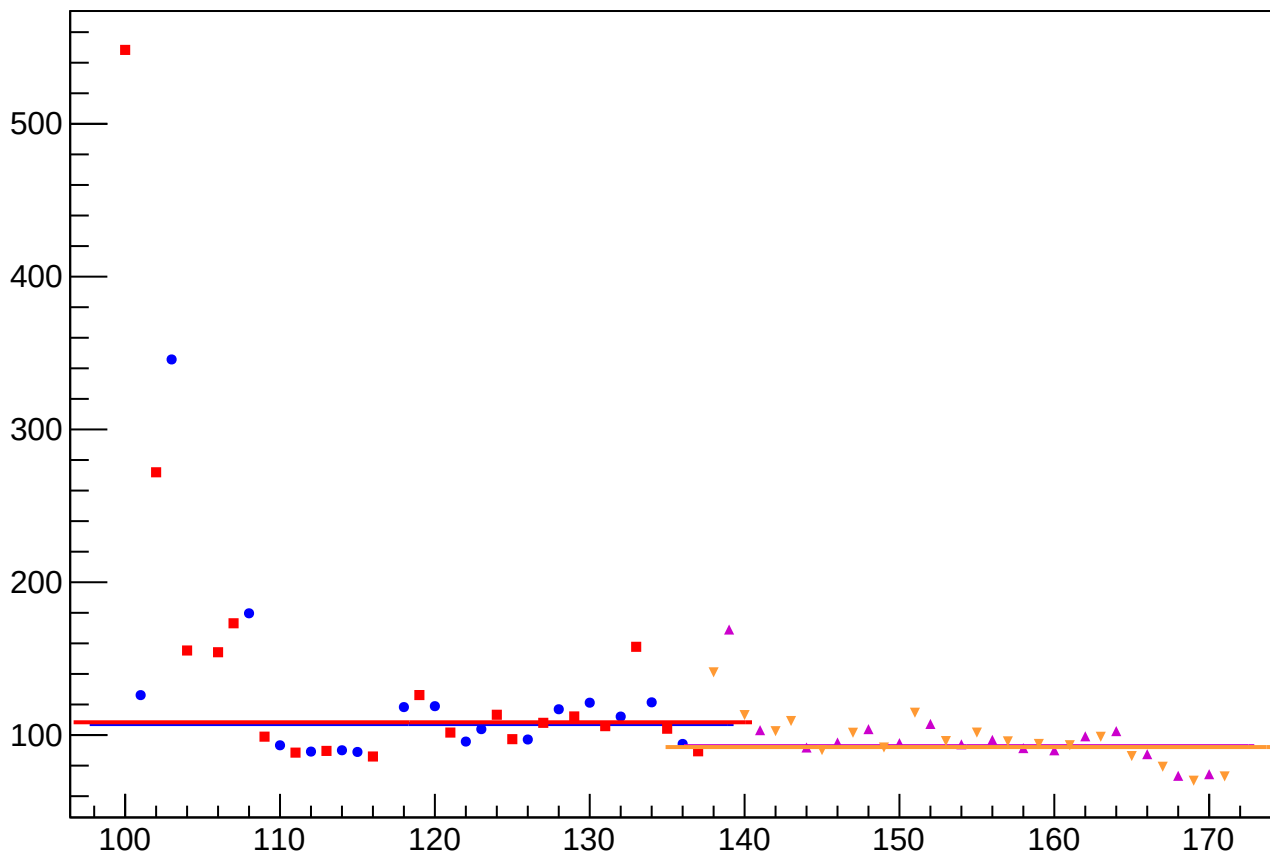
Left In: -38.483 ± 26.725 χ^2/NDF : 23.0/15

+ sign 47.253 ± 22.066 χ^2/NDF : 53.7/34

All: -0.394 ± 15.827 χ^2/NDF : 103.9/69

- sign -50.875 ± 22.713 χ^2/NDF : 40.6/34

reg_asym_sam3_rms vs Slug



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 92.140 $\pm$ 0.018 χ^2 /NDF: 667393.8/17

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

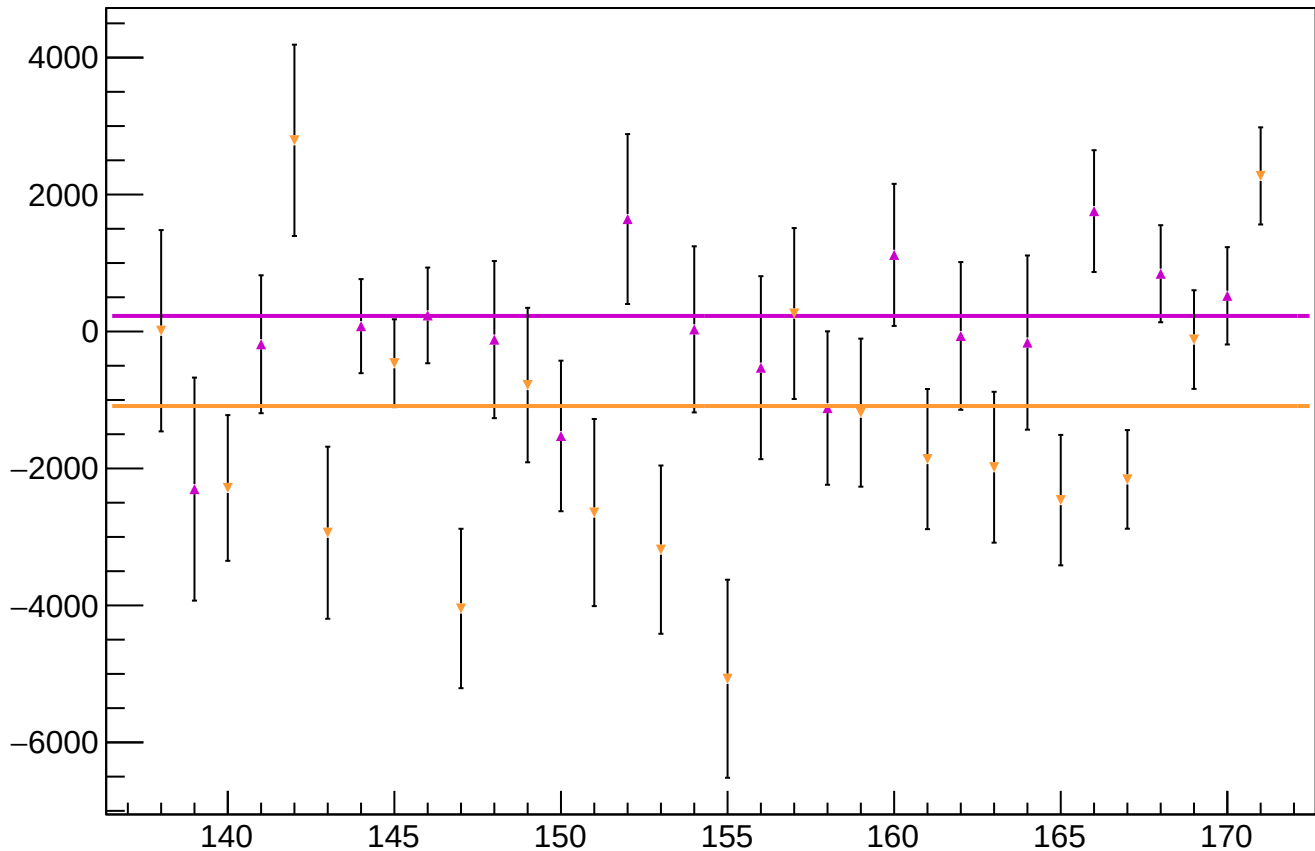
Left In: 92.758 $\pm$ 0.019 χ^2 /NDF: 597641.3/15

+ sign 96.004 $\pm$ 0.016 χ^2 /NDF: 1688023.6/34

All: 96.532 $\pm$ 0.011 χ^2 /NDF: 3394582.4/69

- sign 97.091 $\pm$ 0.016 χ^2 /NDF: 1704201.1/34

asym_sam3_correction_mean vs Slug



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

Left Out: -1088.291+/-233.451 χ^2/NDF : 61.9/17

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

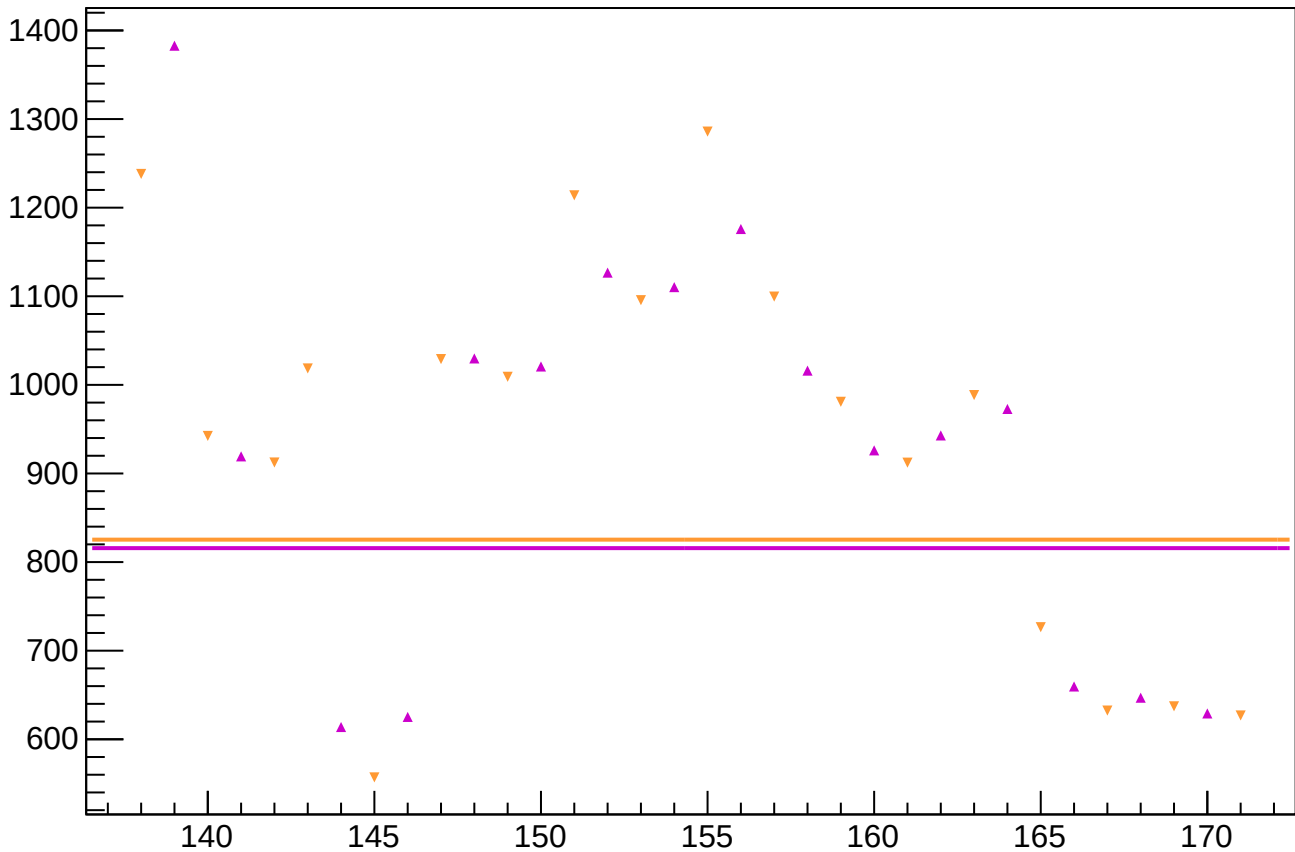
Left In: 227.259+/-239.409 χ^2/NDF : 13.1/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -447.090+/-167.142 χ^2/NDF : 90.6/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam3_correction_rms vs Slug



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

Left Out: 825.320+/-0.165 χ^2/NDF :1817499.5/17

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

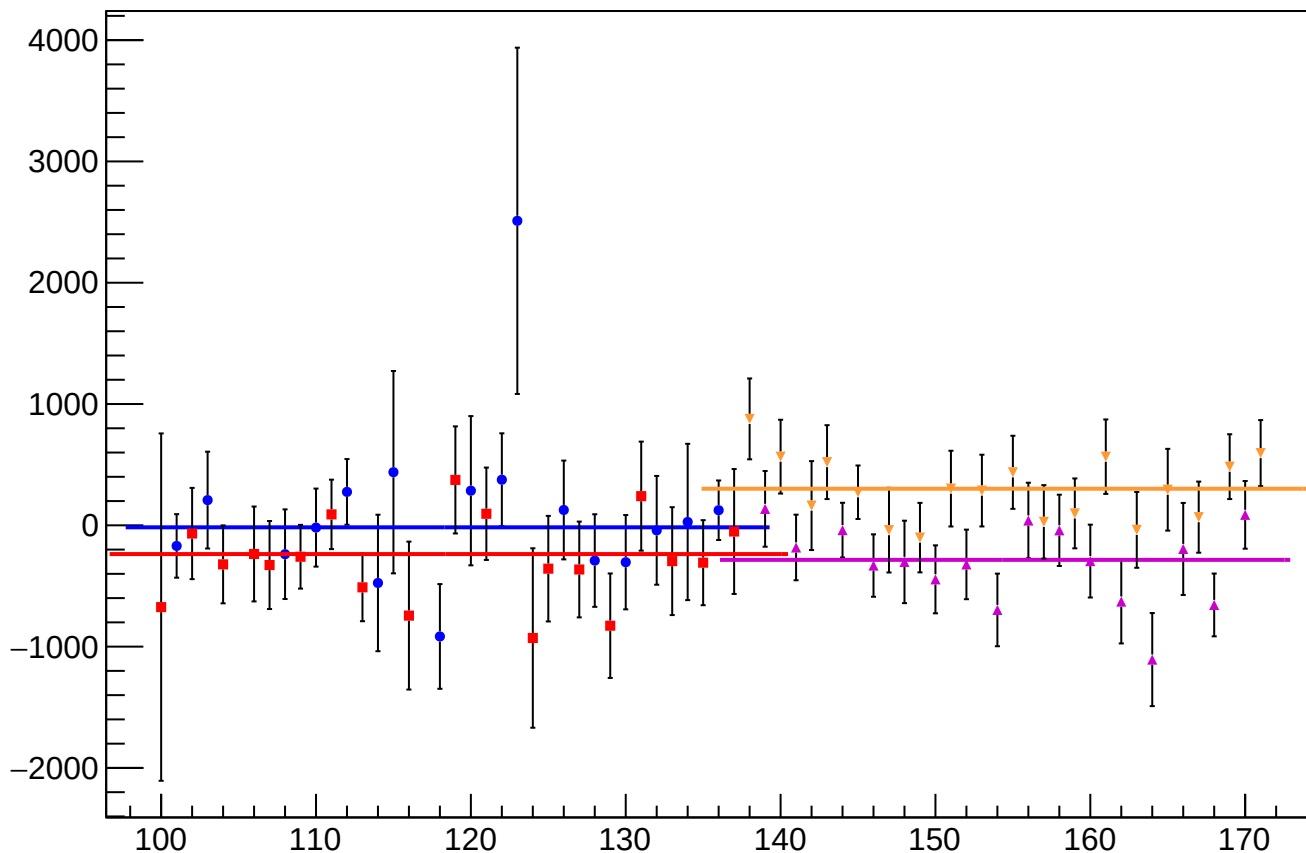
Left In: 815.738+/-0.169 χ^2/NDF :1571127.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 820.650+/-0.118 χ^2/NDF : 3390269.1/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 301.741 ± 70.104 χ^2/NDF : 13.1/17

Right Out: -236.984 ± 88.937 χ^2/NDF : 10.3/18

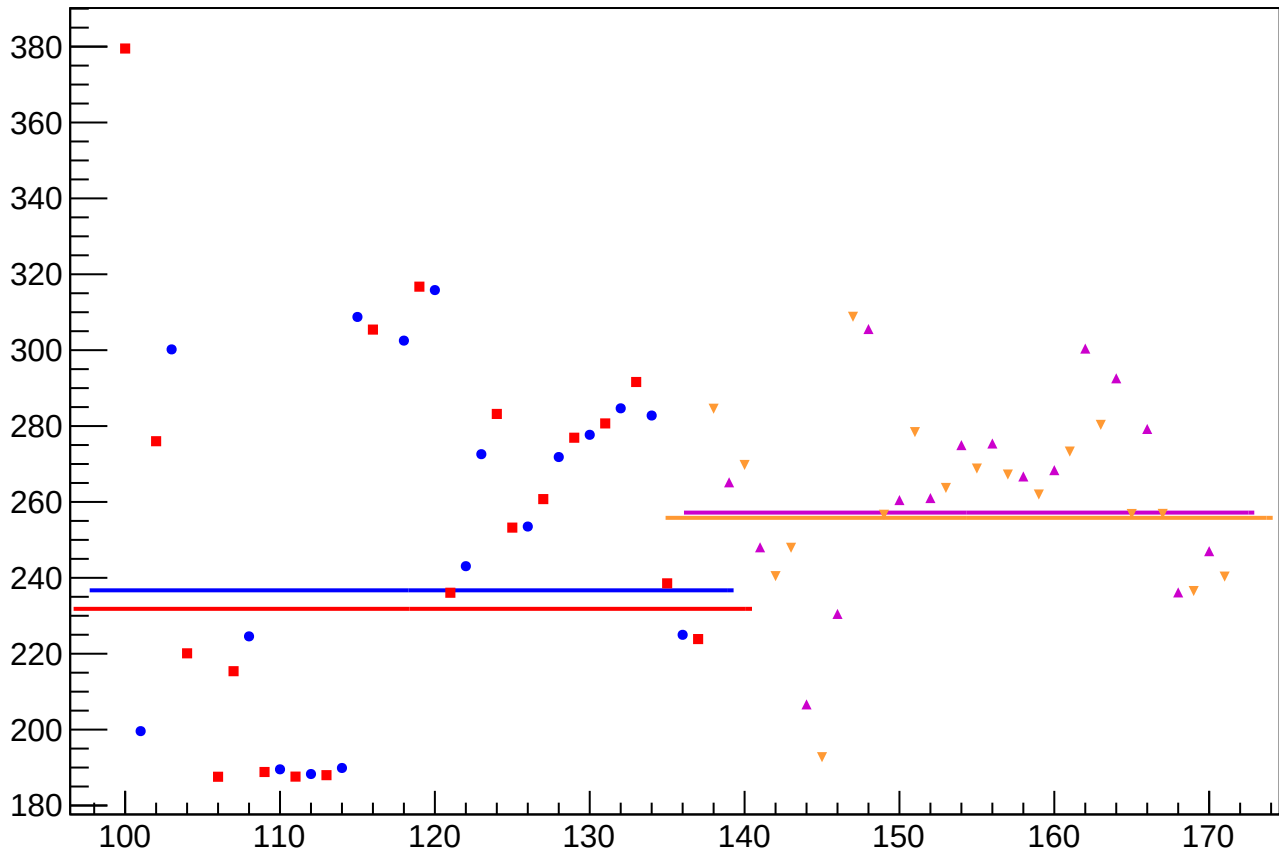
Left In: -284.773 ± 73.260 χ^2/NDF : 16.7/15

+ sign 186.894 ± 56.043 χ^2/NDF : 33.9/34

All: -37.257 ± 39.805 χ^2/NDF : 93.4/69

- sign -265.454 ± 56.546 χ^2/NDF : 27.2/34

reg_asym_sam4_rms vs Slug



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 255.811 $\pm$ 0.050 χ^2 /NDF: 288672.7/17

Right Out: 231.828 $\pm$ 0.063 χ^2 /NDF: 443276.3/18

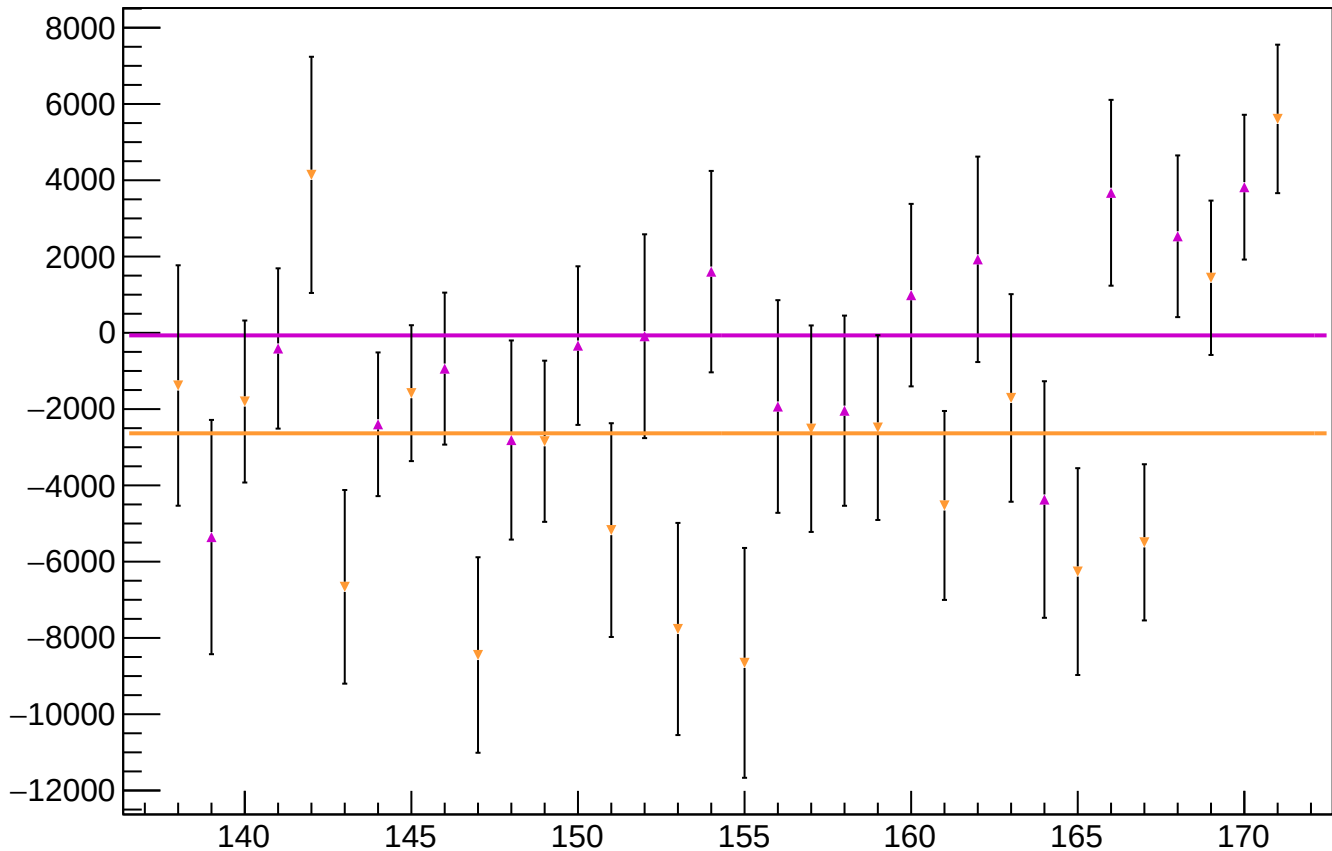
Left In: 257.191 $\pm$ 0.052 χ^2 /NDF: 256603.9/15

+ sign 248.915 $\pm$ 0.040 χ^2 /NDF: 732626.2/34

All: 247.936 $\pm$ 0.028 χ^2 /NDF: 1530638.0/69

- sign 246.938 $\pm$ 0.040 χ^2 /NDF: 796778.1/34

asym_sam4_correction_mean vs Slug



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

Left Out: -2634.900+/-565.485 χ^2/NDF : 47.8/17

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

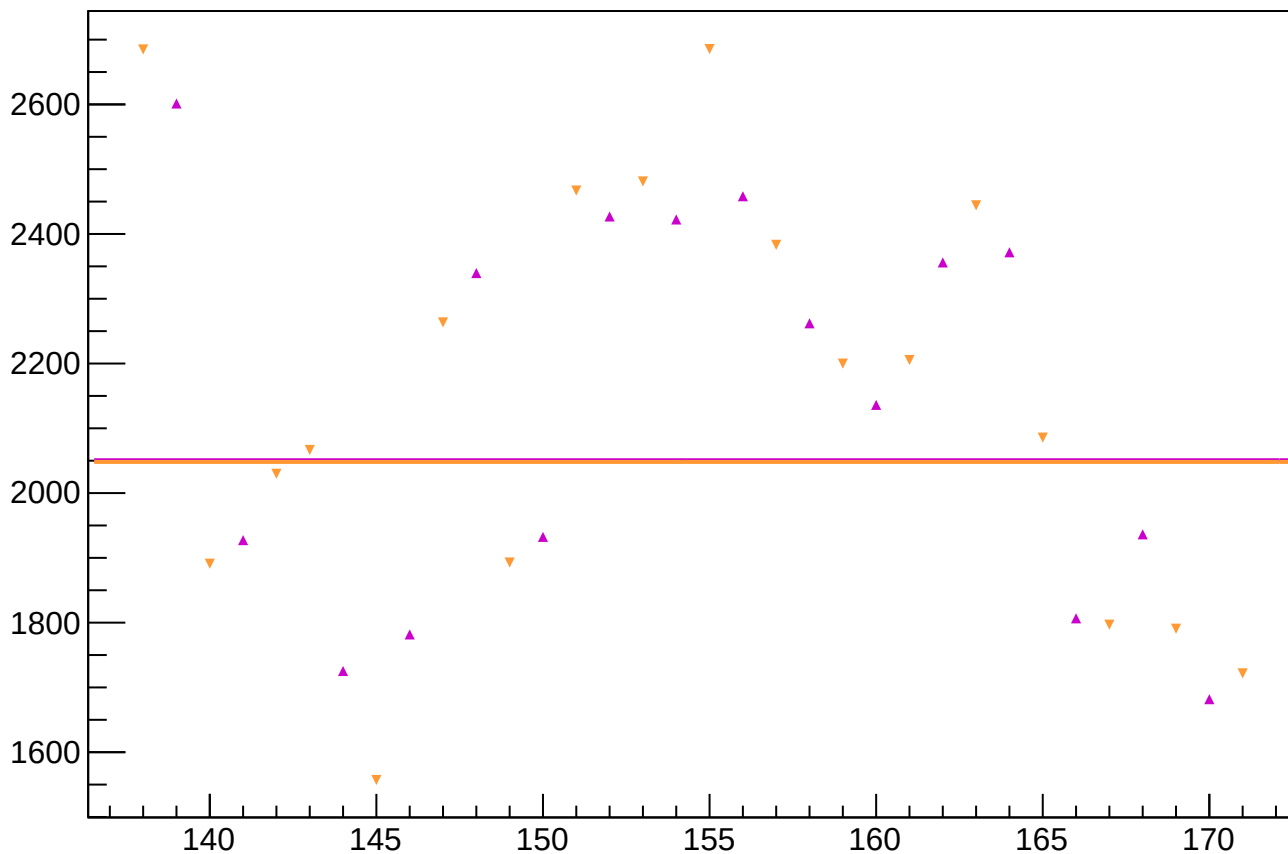
Left In: -67.404+/-587.003 χ^2/NDF : 18.0/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1399.072+/-407.253 χ^2/NDF : 75.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam4_correction_rms vs Slug



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

Left Out: 2048.079+/-0.400 χ^2/NDF : 660242.8/17

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

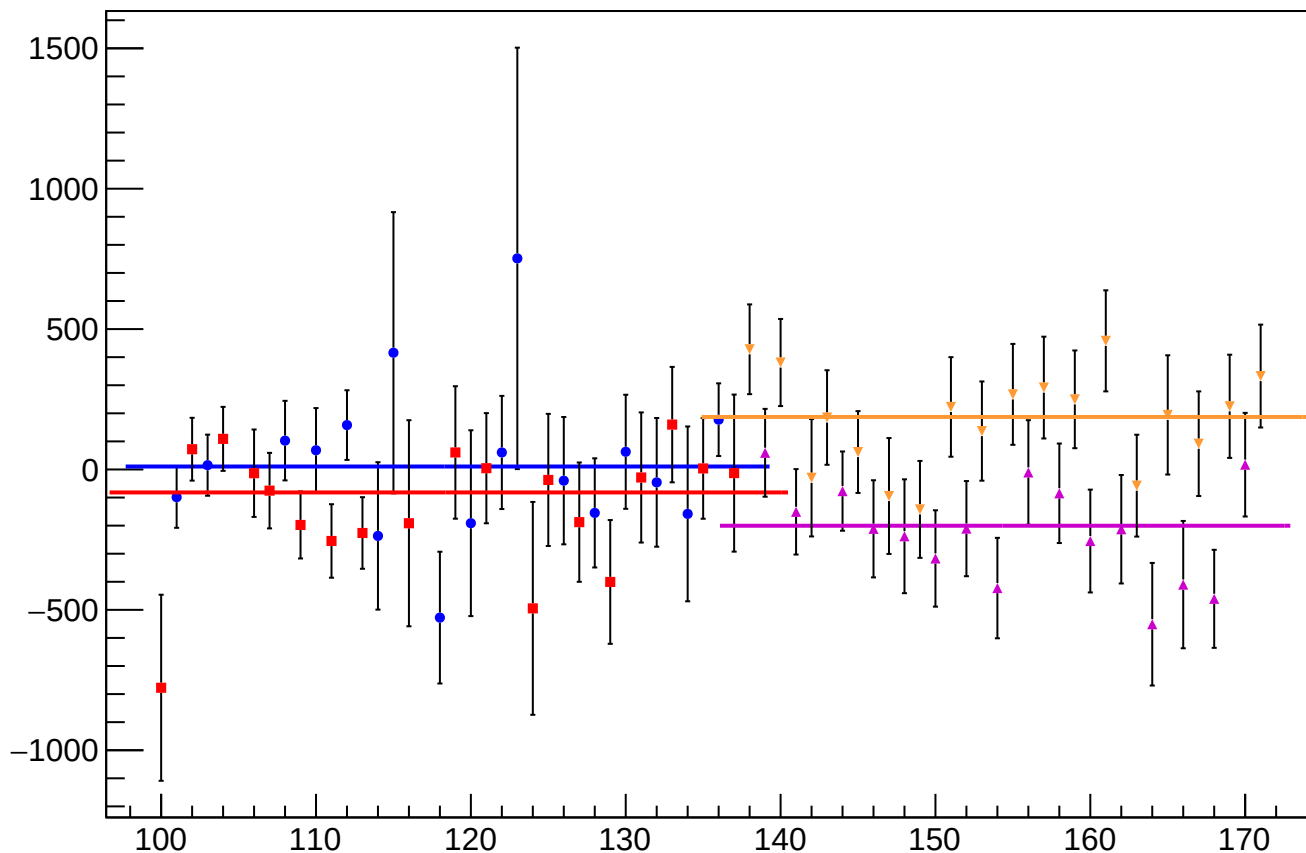
Left In: 2050.707+/-0.415 χ^2/NDF : 485755.1/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2049.344+/-0.288 χ^2/NDF : 1146018.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 χ^2/NDF : 14.1/16

Left Out: 187.056 ± 41.783 χ^2/NDF : 17.0/17

Right Out: -81.802 ± 38.985 χ^2/NDF : 19.2/18

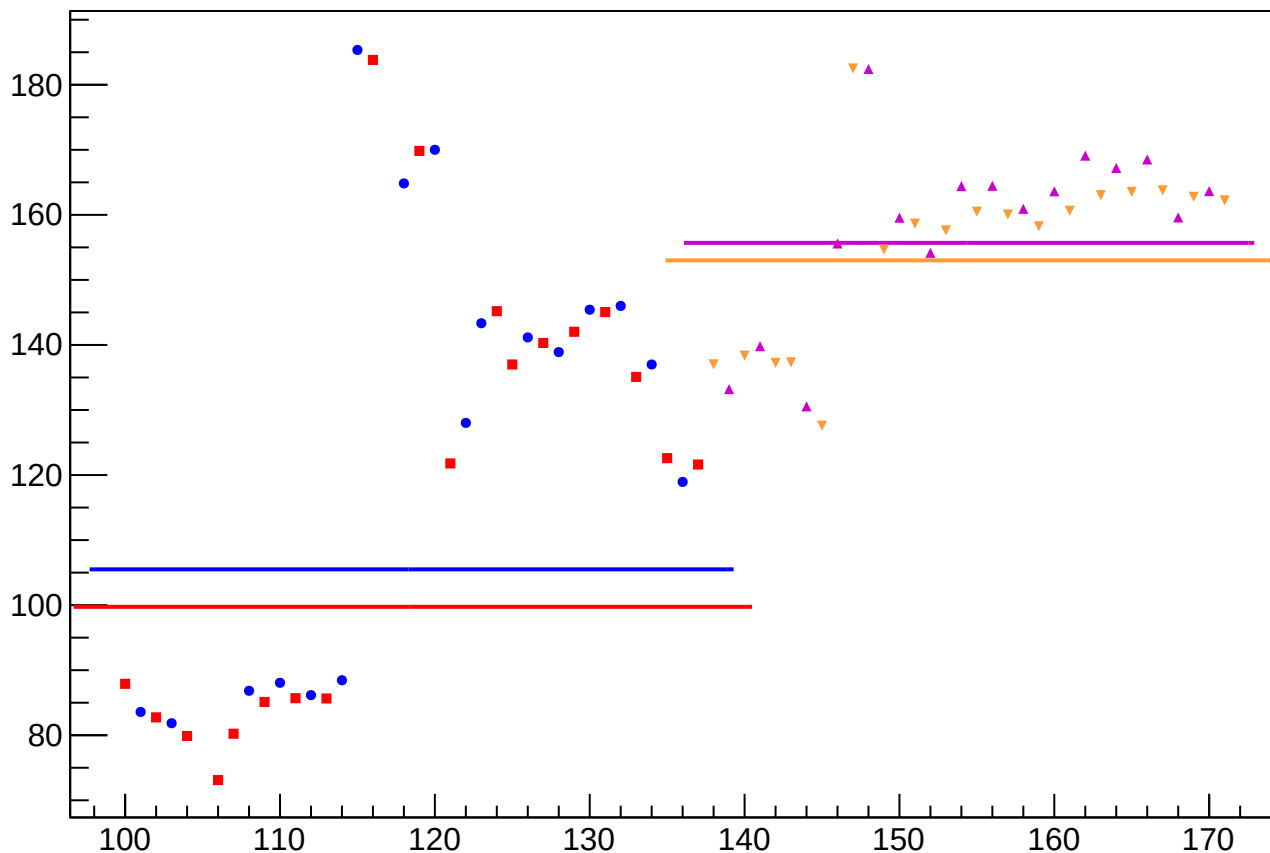
Left In: -200.369 ± 44.197 χ^2/NDF : 14.3/15

+ sign 99.866 ± 29.724 χ^2/NDF : 39.8/34

All: -18.841 ± 20.844 χ^2/NDF : 108.7/69

- sign -133.685 ± 29.236 χ^2/NDF : 37.5/34

reg_asym_sam5_rms vs Slug



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 153.001 $\pm$ 0.030 χ^2 /NDF: 212136.1/17

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

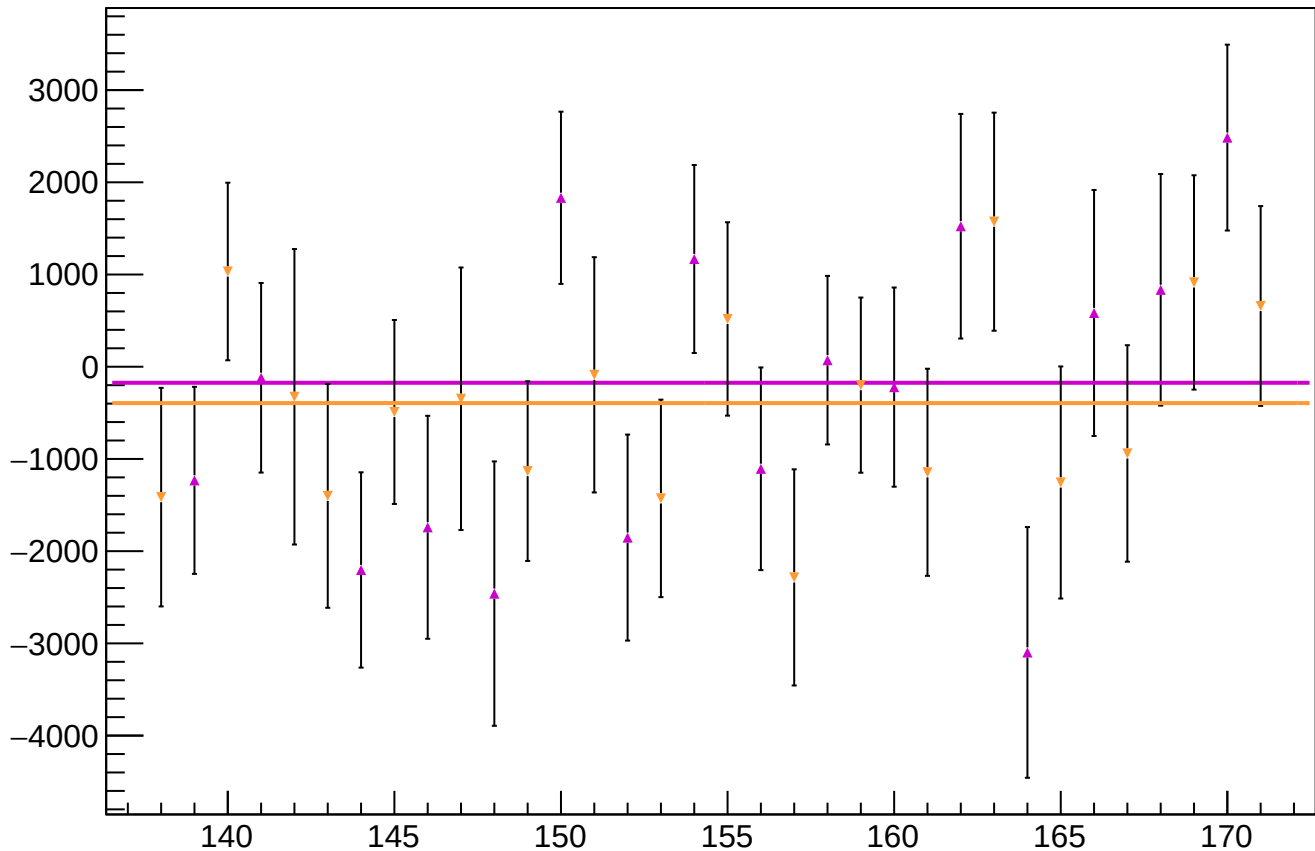
Left In: 155.697 $\pm$ 0.031 χ^2 /NDF: 203482.2/15

+ sign 129.540 $\pm$ 0.021 χ^2 /NDF: 2357707.4/34

All: 126.840 $\pm$ 0.015 χ^2 /NDF: 5396539.5/69

- sign 124.228 $\pm$ 0.021 χ^2 /NDF: 3006362.5/34

asym_sam5_correction_mean vs Slug



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

Left Out: -394.272+/-266.289 χ^2/NDF : 14.7/17

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

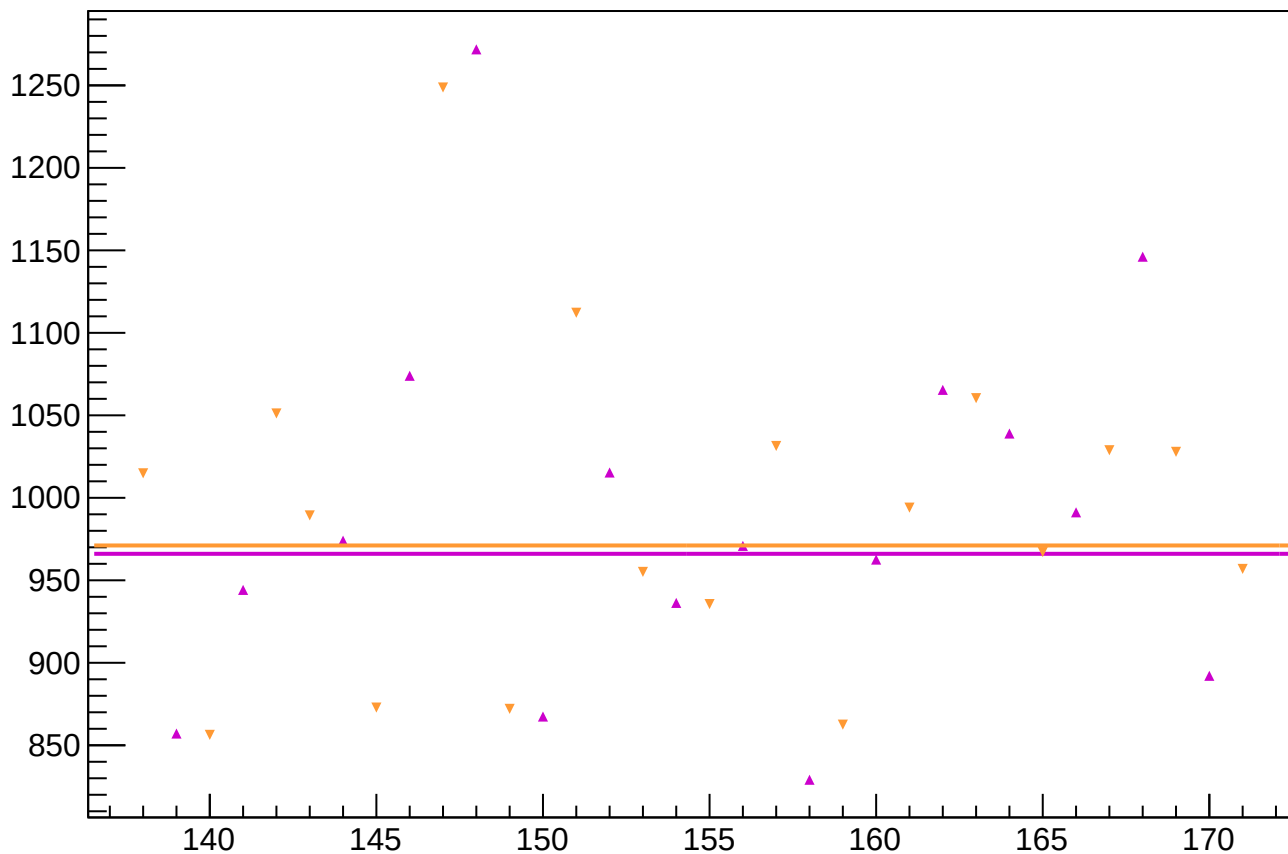
Left In: -173.906+/-275.555 χ^2/NDF : 32.9/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -287.856+/-191.487 χ^2/NDF : 47.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam5_correction_rms vs Slug



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

Left Out: 971.119+/-0.188 χ^2/NDF : 233594.5/17

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

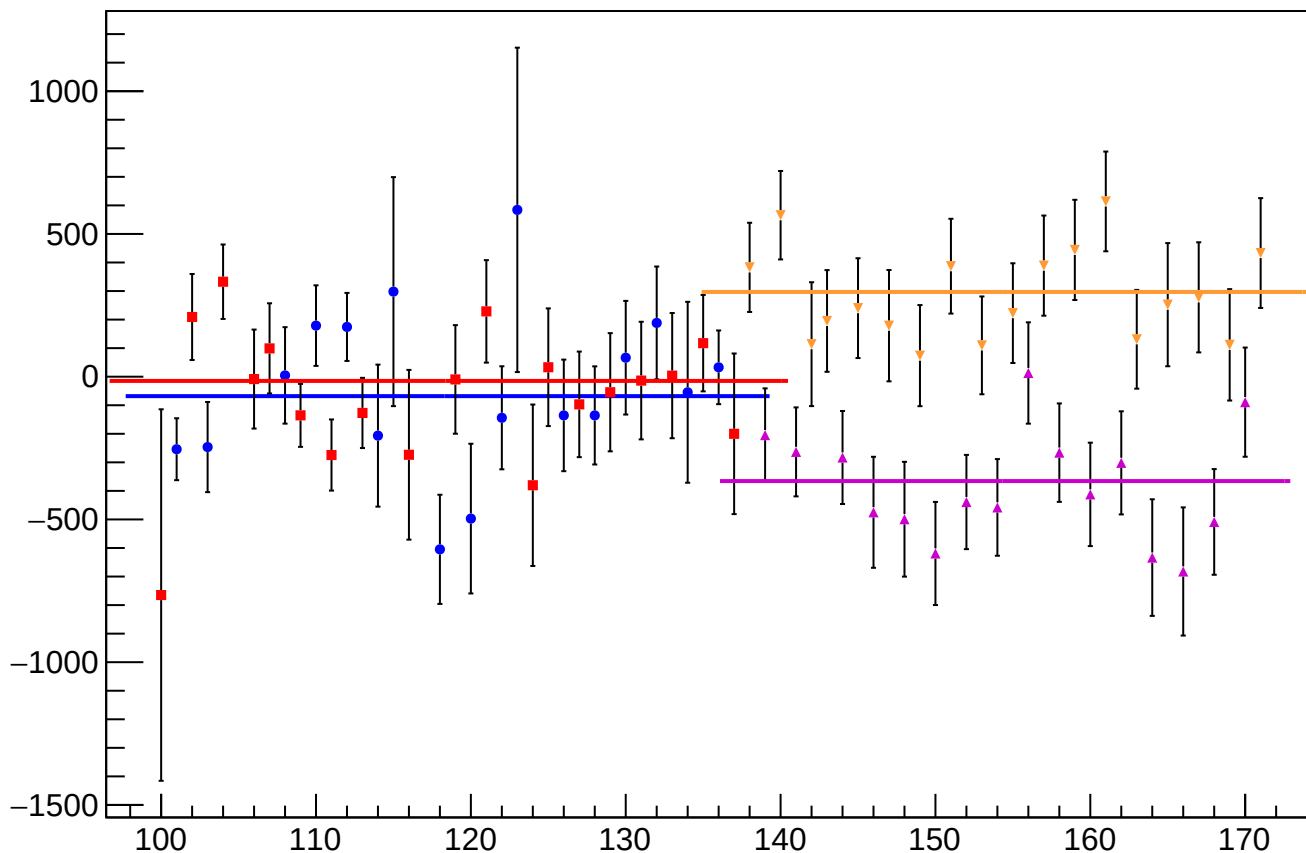
Left In: 966.057+/-0.195 χ^2/NDF : 275576.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 968.675+/-0.135 χ^2/NDF : 509520.0/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 296.849 ± 42.169 χ^2/NDF : 14.7/17

Right Out: -14.800 ± 39.467 χ^2/NDF : 23.1/18

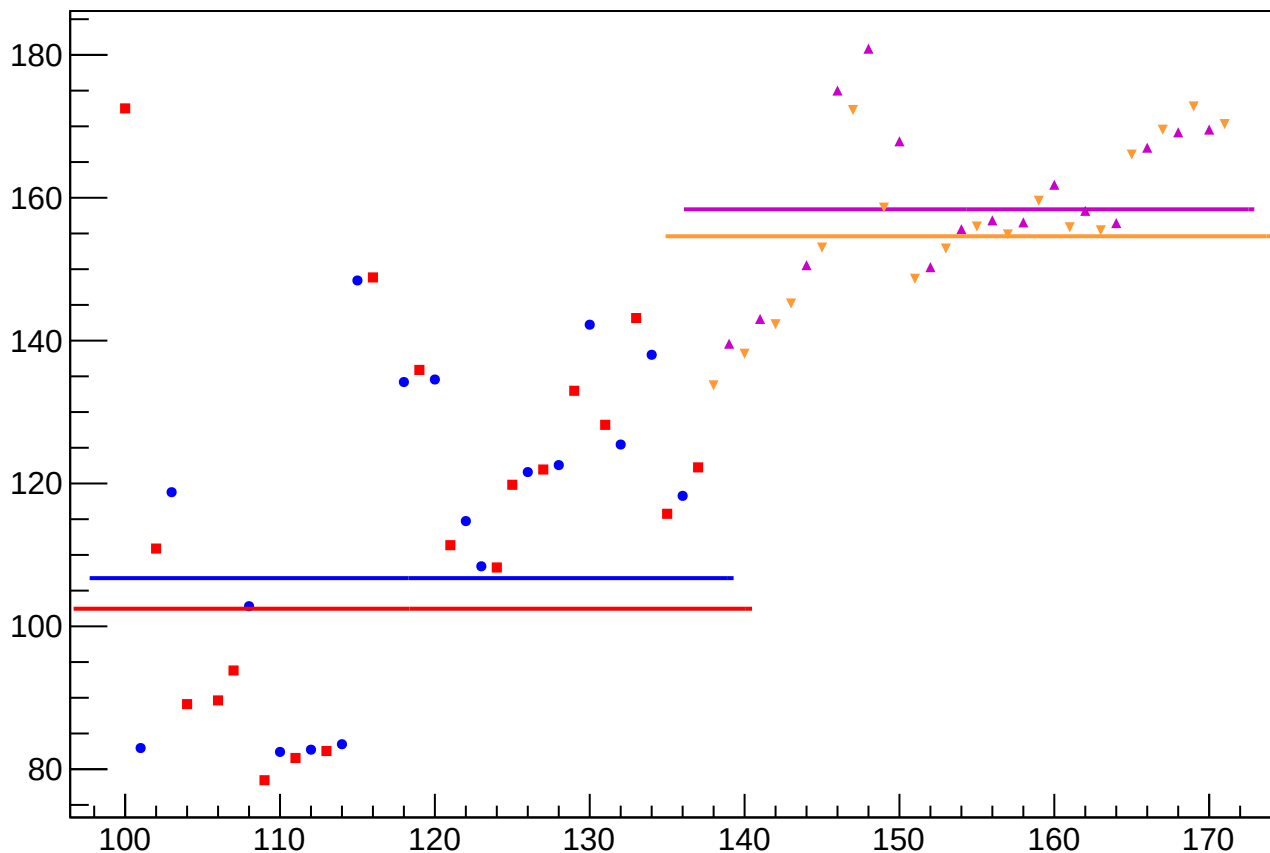
Left In: -365.578 ± 44.879 χ^2/NDF : 16.4/15

+ sign 114.786 ± 29.852 χ^2/NDF : 79.9/34

All: -27.515 ± 21.032 χ^2/NDF : 199.0/69

- sign -167.773 ± 29.637 χ^2/NDF : 73.9/34

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 154.609 $\pm$ 0.030 χ^2 /NDF:140836.7/17

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

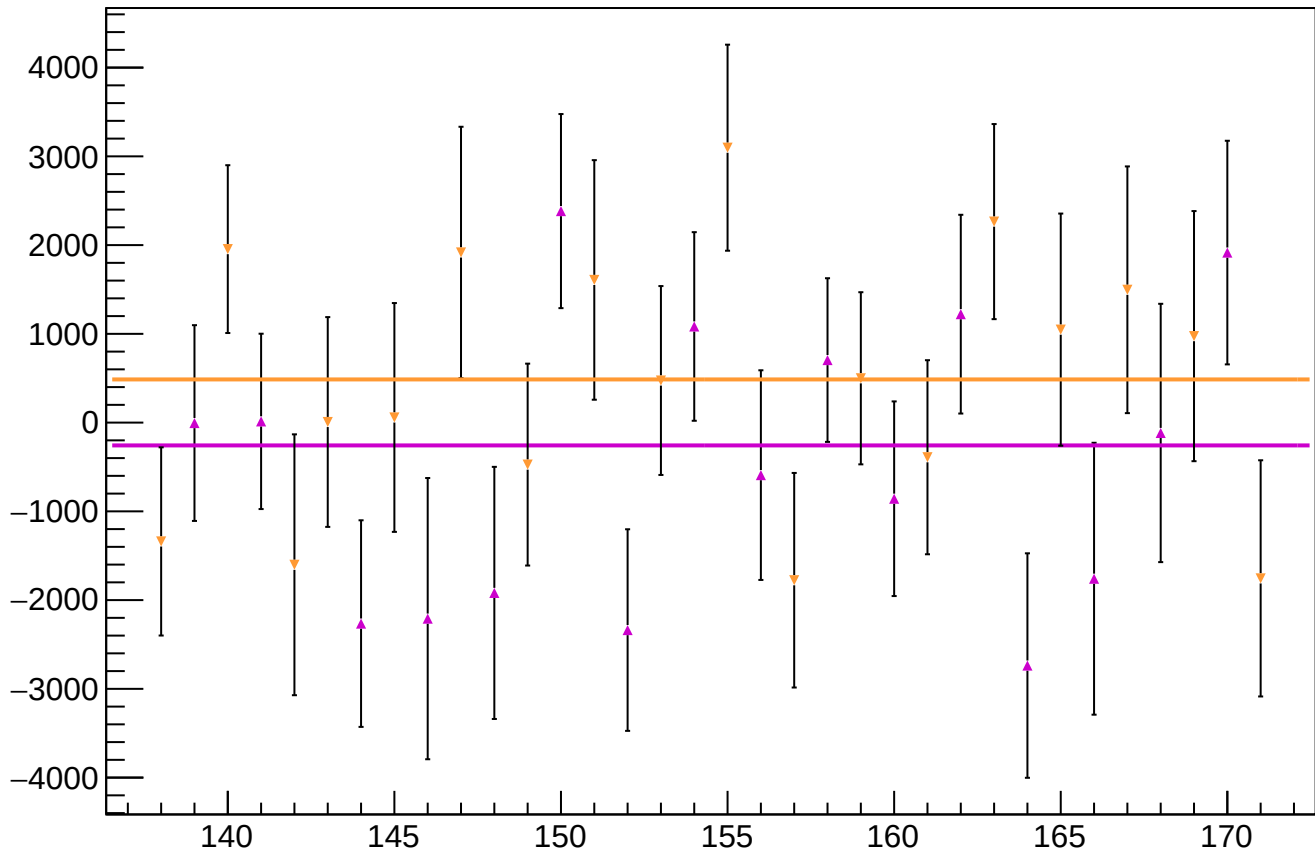
Left In: 158.382 $\pm$ 0.032 χ^2 /NDF:118782.6/15

+ sign 130.734 $\pm$ 0.021 χ^2 /NDF: 1927773.0/34

All: 128.779 $\pm$ 0.015 χ^2 /NDF: 4403657.3/69

- sign 126.852 $\pm$ 0.021 χ^2 /NDF: 2458845.9/34

asym_sam6_correction_mean vs Slug



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

Left Out: 486.403+/-279.322 χ^2/NDF : 25.6/17

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

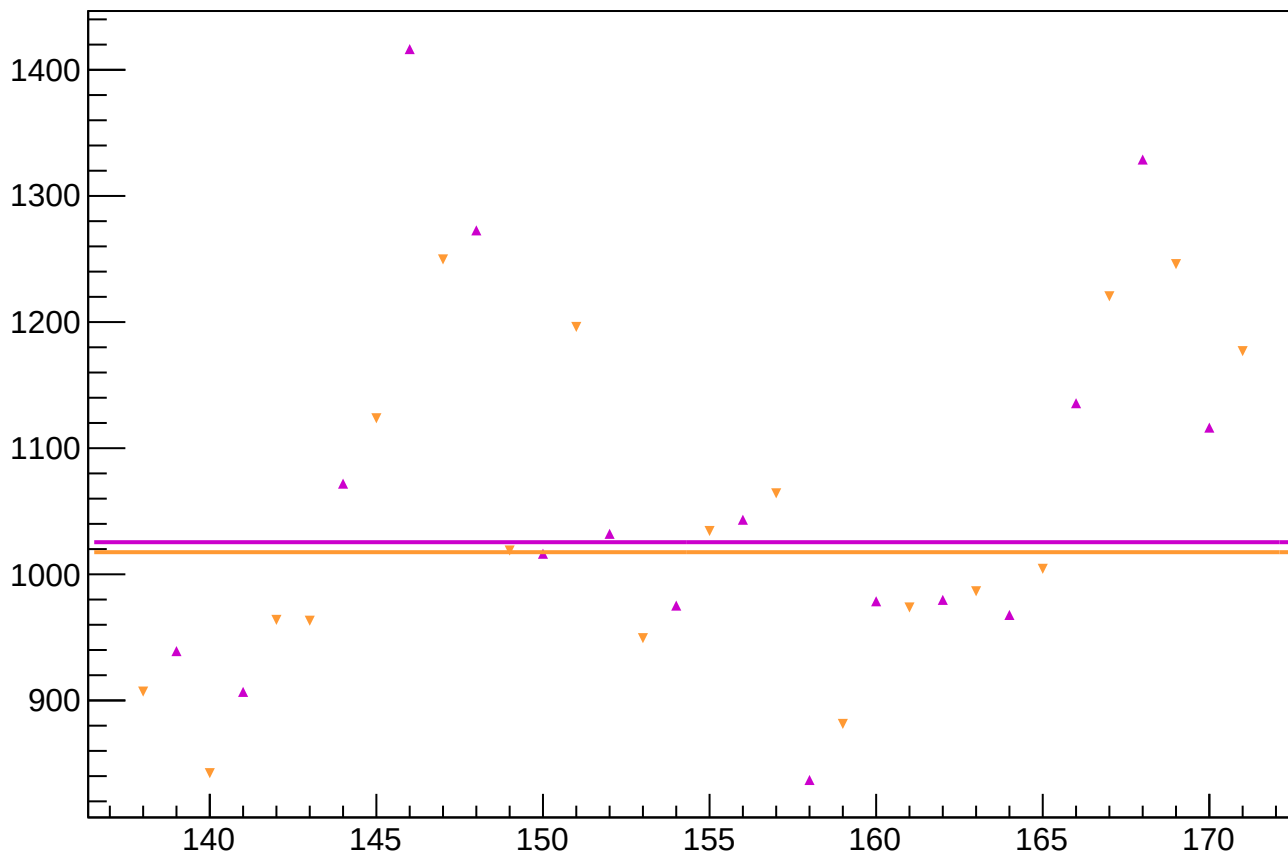
Left In: -257.110+/-292.957 χ^2/NDF : 27.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 132.350+/-202.159 χ^2/NDF : 56.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam6_correction_rms vs Slug



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

Left Out: 1017.551+/-0.198 χ^2/NDF : 379538.7/17

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

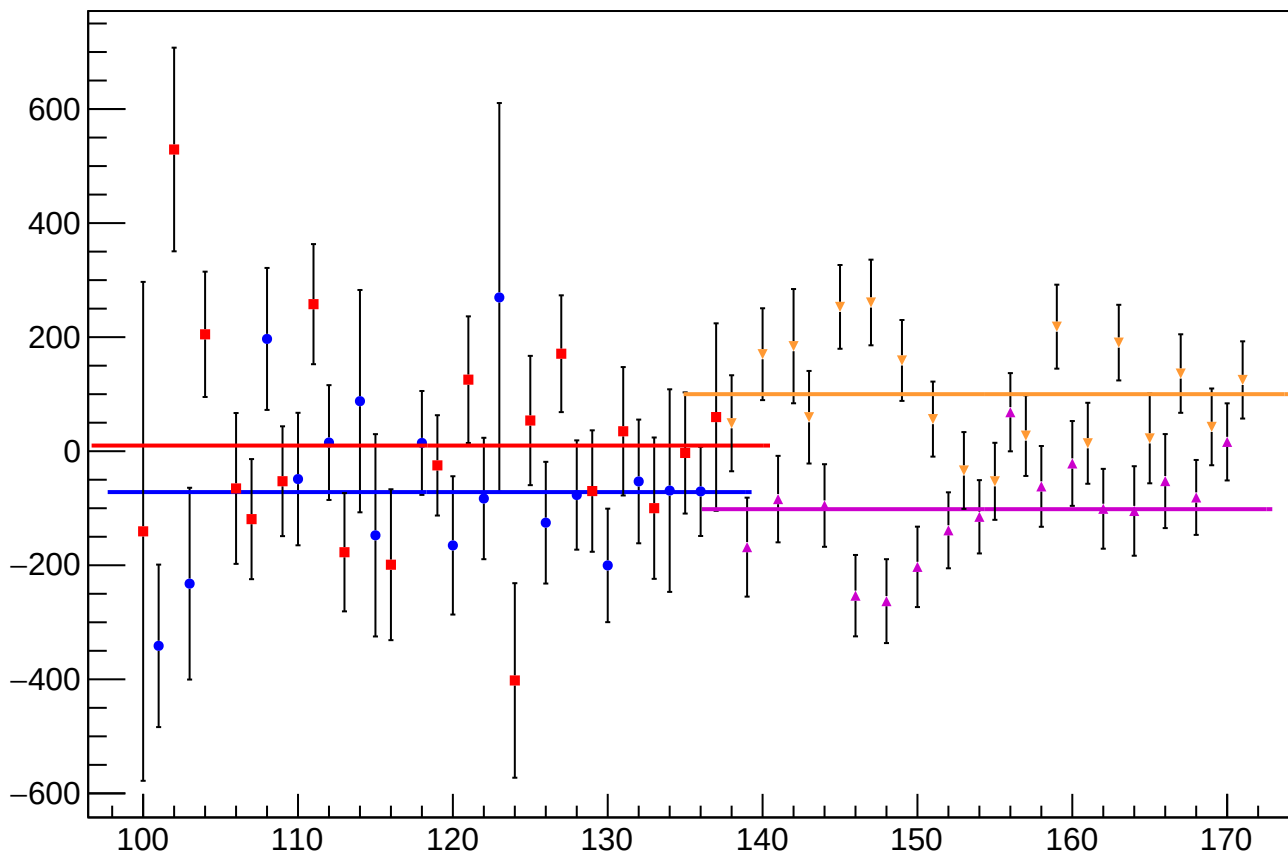
Left In: 1025.469+/-0.207 χ^2/NDF : 434264.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1021.321+/-0.143 χ^2/NDF : 814568.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 χ^2/NDF : 15.2/16

Left Out: 100.041 ± 17.149 χ^2/NDF : 30.3/17

Right Out: 9.917 ± 26.816 χ^2/NDF : 36.5/18

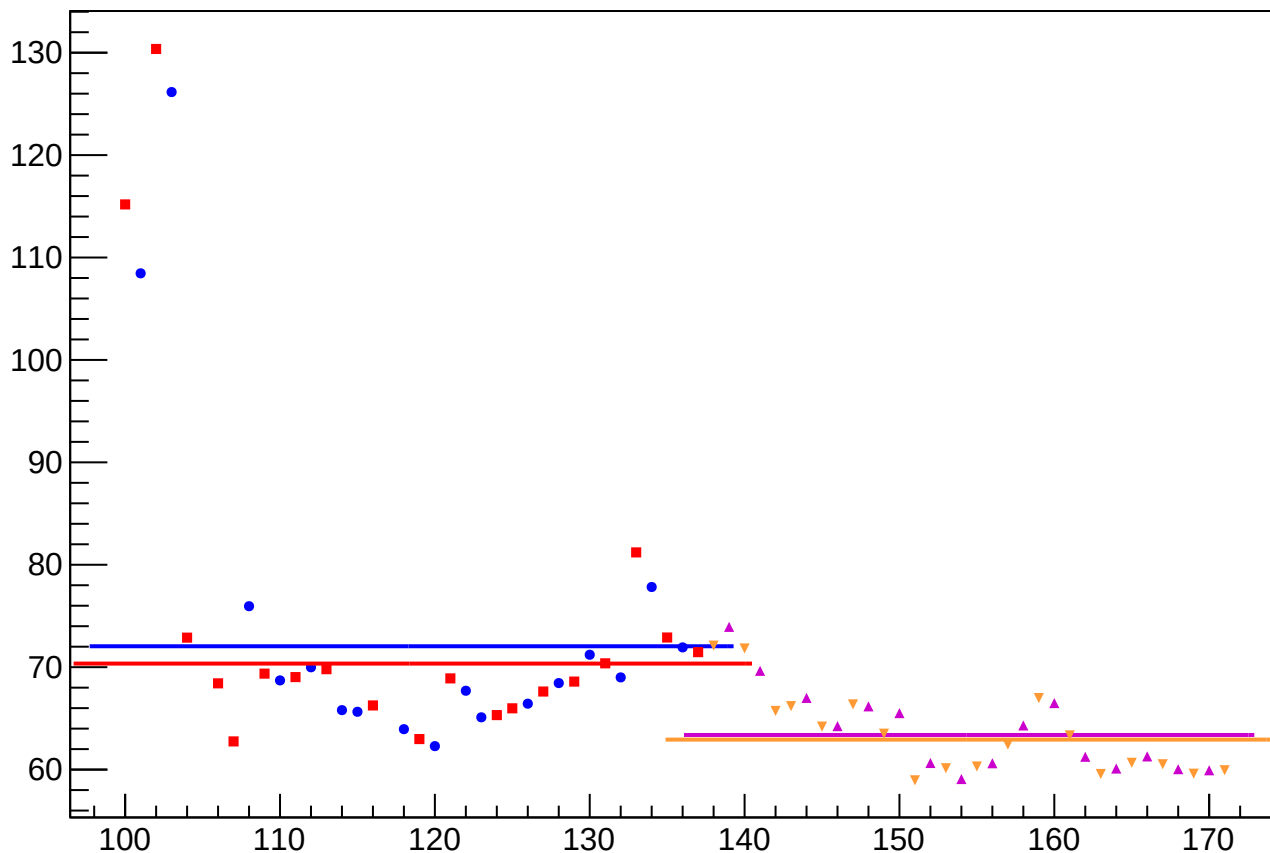
Left In: -101.636 ± 17.950 χ^2/NDF : 23.5/15

+ sign 54.062 ± 14.674 χ^2/NDF : 72.4/34

All: -5.539 ± 10.461 χ^2/NDF : 177.8/69

- sign -67.120 ± 14.916 χ^2/NDF : 71.9/34

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 62.928 $\pm$ 0.012 χ^2 /NDF: 95935.2/17

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

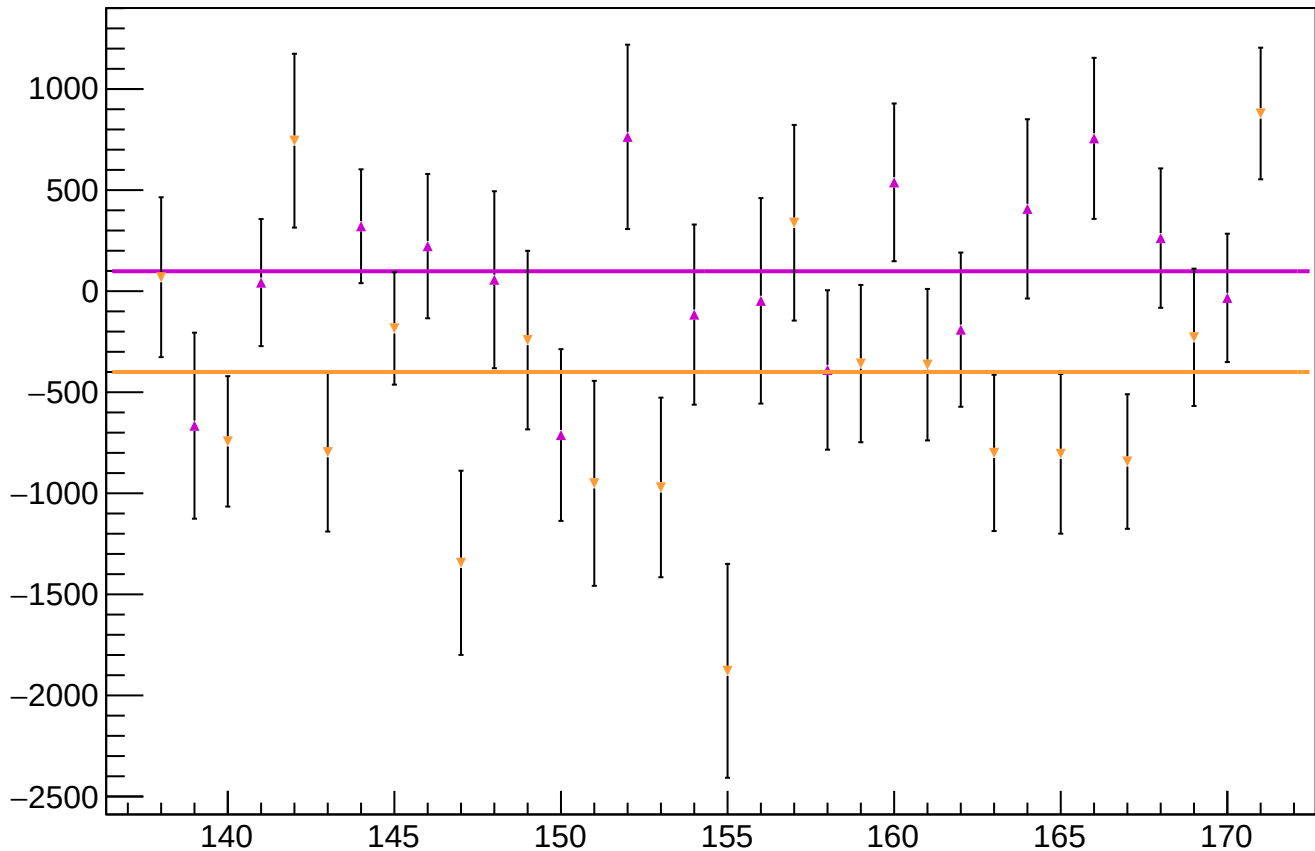
Left In: 63.380 $\pm$ 0.013 χ^2 /NDF: 89672.1/15

+ sign 65.369 $\pm$ 0.010 χ^2 /NDF: 639170.4/34

All: 65.451 $\pm$ 0.007 χ^2 /NDF: 1121314.9/69

- sign 65.537 $\pm$ 0.011 χ^2 /NDF: 482015.8/34

asym_sam7_correction_mean vs Slug



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

Left Out: -399.812 ± 90.719 χ^2/NDF : 48.2/17

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

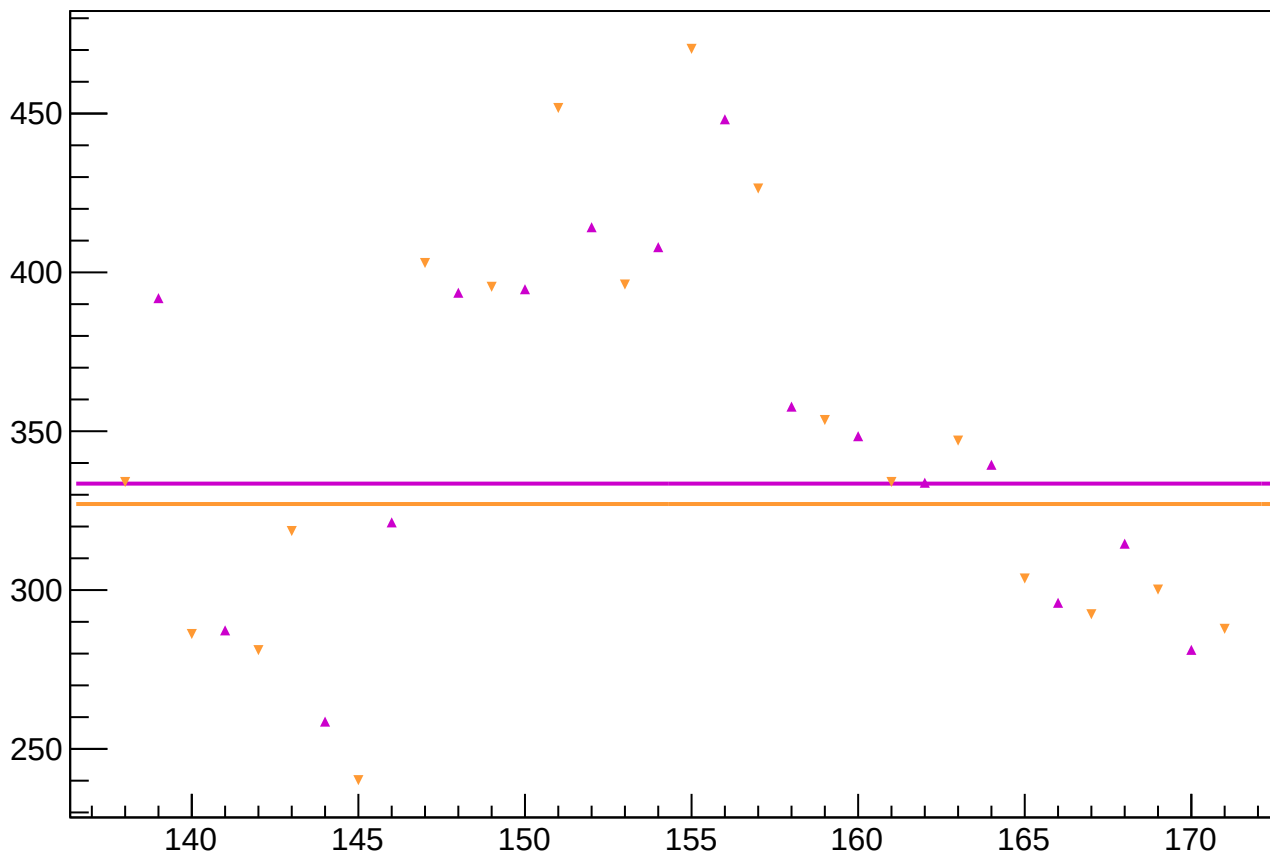
Left In: 98.496 ± 95.637 χ^2/NDF : 16.6/15

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -163.800 ± 65.818 χ^2/NDF : 79.1/33

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

asym_sam7_correction_rms vs Slug



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

Left Out: 327.086+/-0.064 χ^2/NDF : 841106.9/17

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

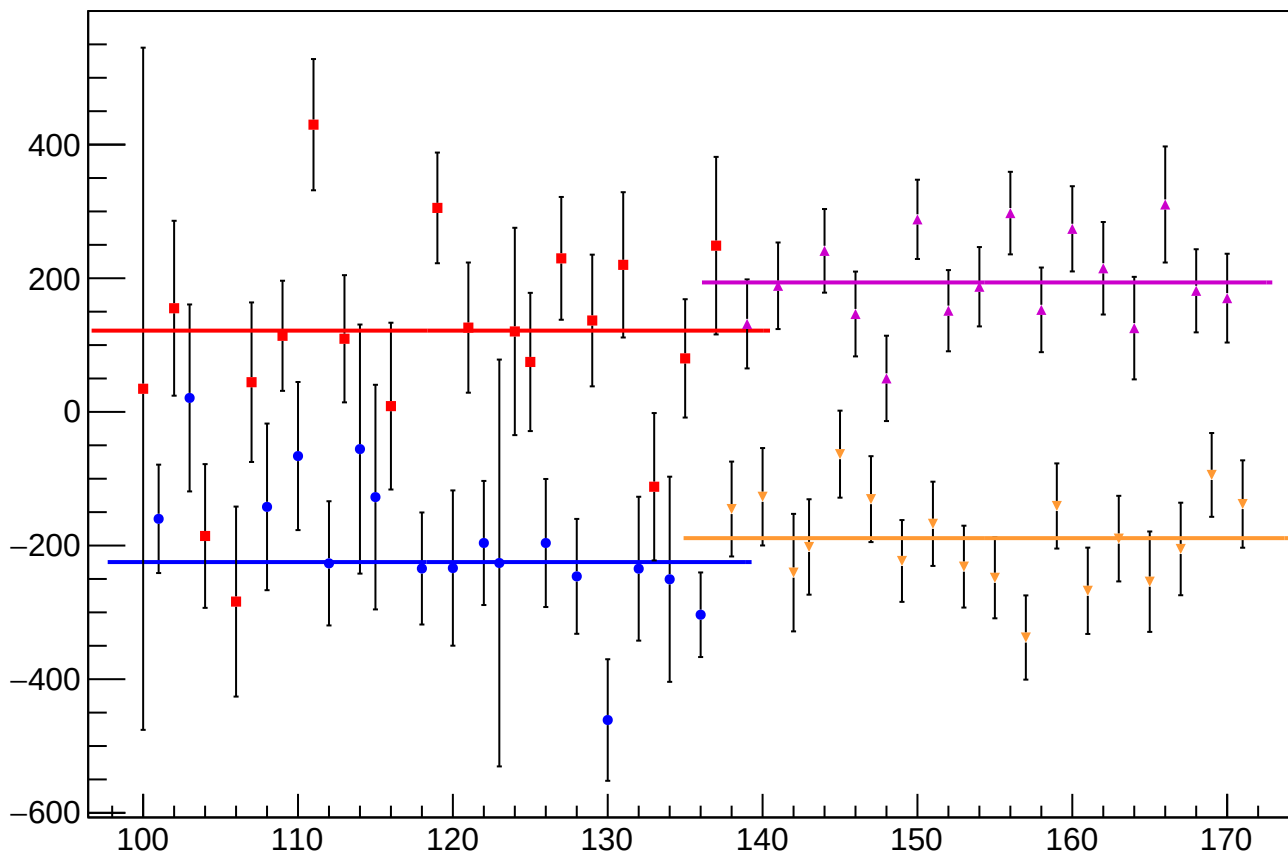
Left In: 333.508+/-0.068 χ^2/NDF : 607396.2/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 330.128+/-0.047 χ^2/NDF : 1453250.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_mean vs Slug



Right In: -224.727 $\pm$ 24.880 χ^2/NDF : 16.0/16

Left Out: -188.915 $\pm$ 15.612 χ^2/NDF : 19.2/17

Right Out: 121.633 $\pm$ 24.599 χ^2/NDF : 40.5/18

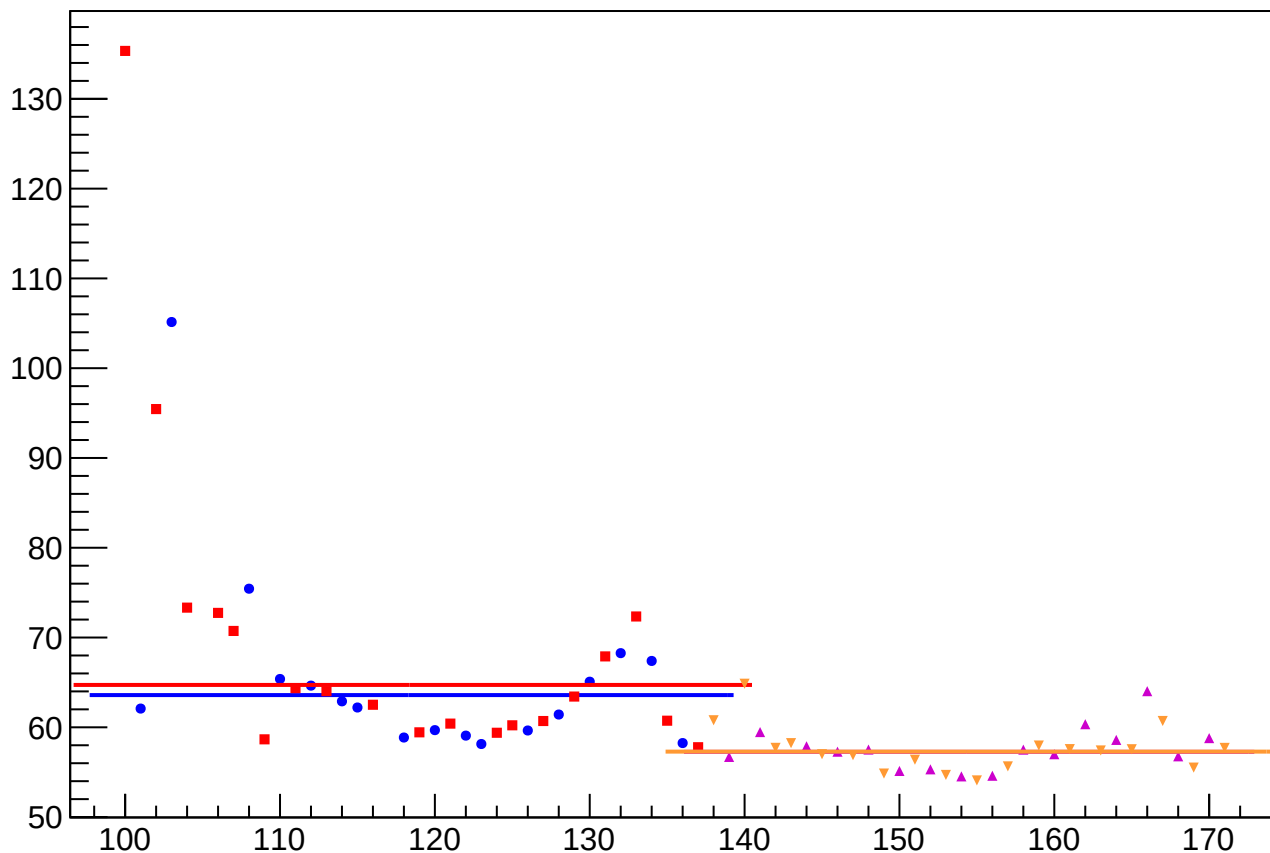
Left In: 193.729 $\pm$ 16.212 χ^2/NDF : 17.8/15

+ sign -199.032 $\pm$ 13.224 χ^2/NDF : 36.7/34

All: -17.895 $\pm$ 9.459 χ^2/NDF : 485.1/69

- sign 171.898 $\pm$ 13.537 χ^2/NDF : 64.2/34

reg_asym_sam8_rms vs Slug



Right In: 63.589 $\pm$ 0.018 χ^2 /NDF: 234601.0/16

Left Out: 57.293 $\pm$ 0.011 χ^2 /NDF: 47868.9/17

Right Out: 64.720 $\pm$ 0.017 χ^2 /NDF: 227506.4/18

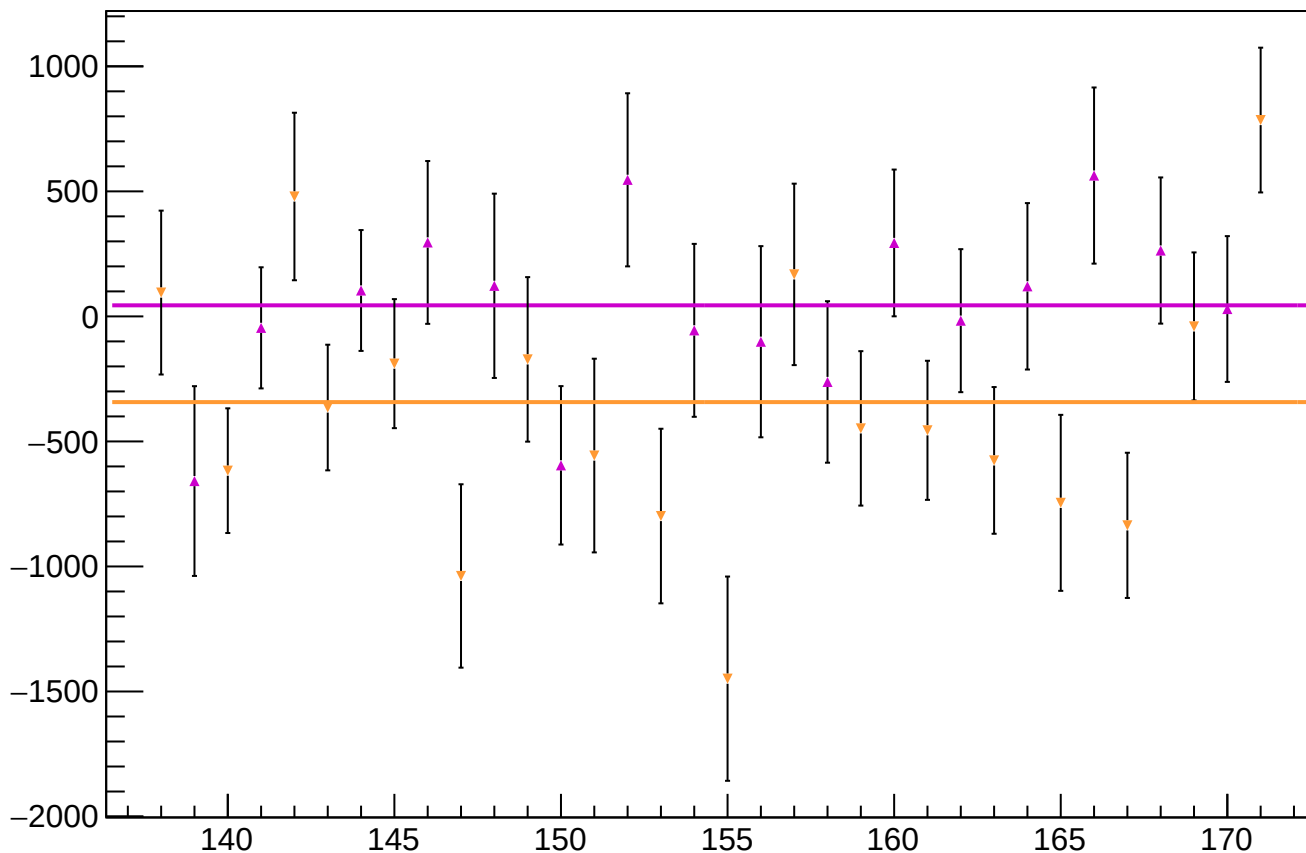
Left In: 57.266 $\pm$ 0.011 χ^2 /NDF: 33190.4/15

+ sign 59.071 $\pm$ 0.009 χ^2 /NDF: 374375.9/34

All: 59.292 $\pm$ 0.007 χ^2 /NDF: 764244.9/69

- sign 59.523 $\pm$ 0.010 χ^2 /NDF: 388728.3/34

asym_sam8_correction_mean vs Slug



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

Left Out: -342.741 $\pm$ 72.806 χ^2/NDF : 45.9/17

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

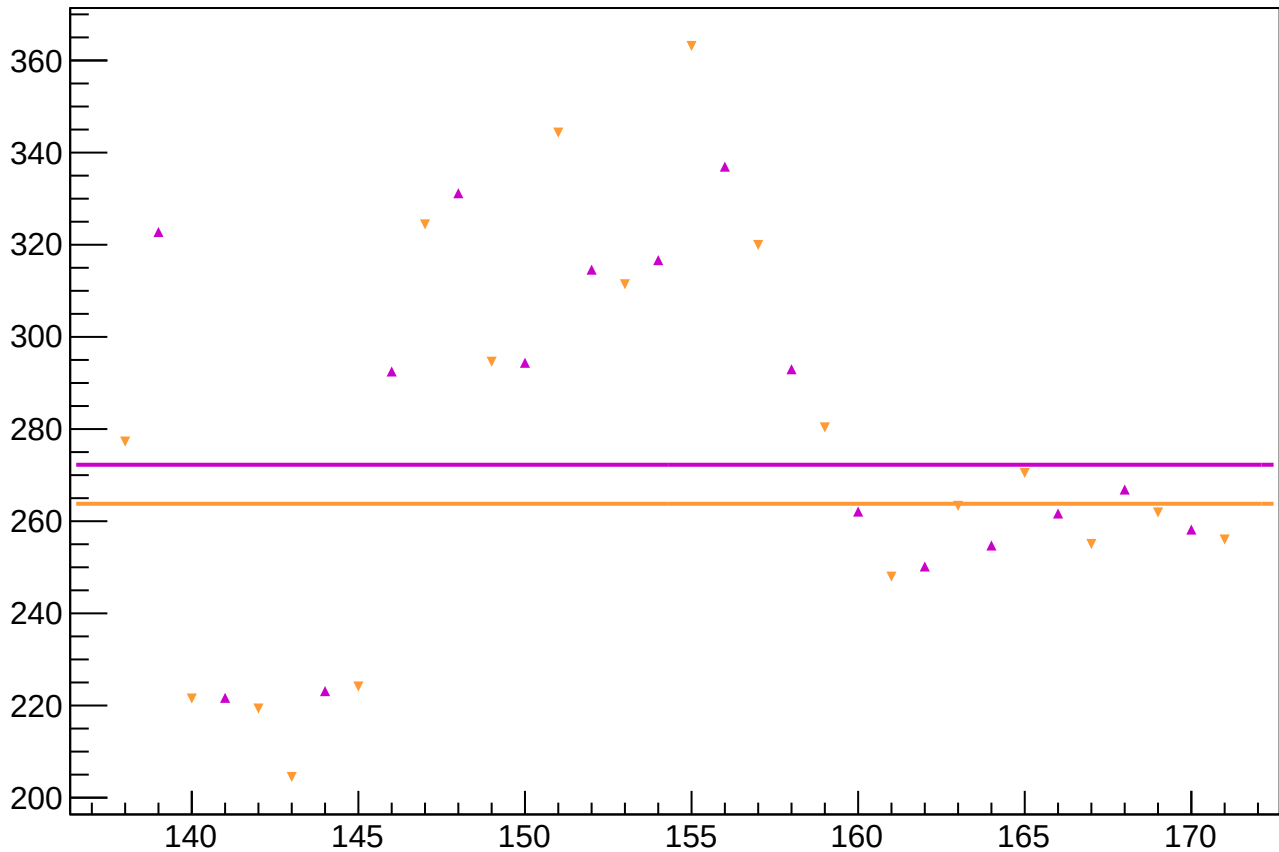
Left In: 44.238 $\pm$ 77.746 χ^2/NDF : 15.1/15

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

All: -161.934 $\pm$ 53.142 χ^2/NDF : 74.2/33

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

asym_sam8_correction_rms vs Slug



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

Left Out: 263.787+/-0.051 χ^2/NDF : 633313.6/17

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

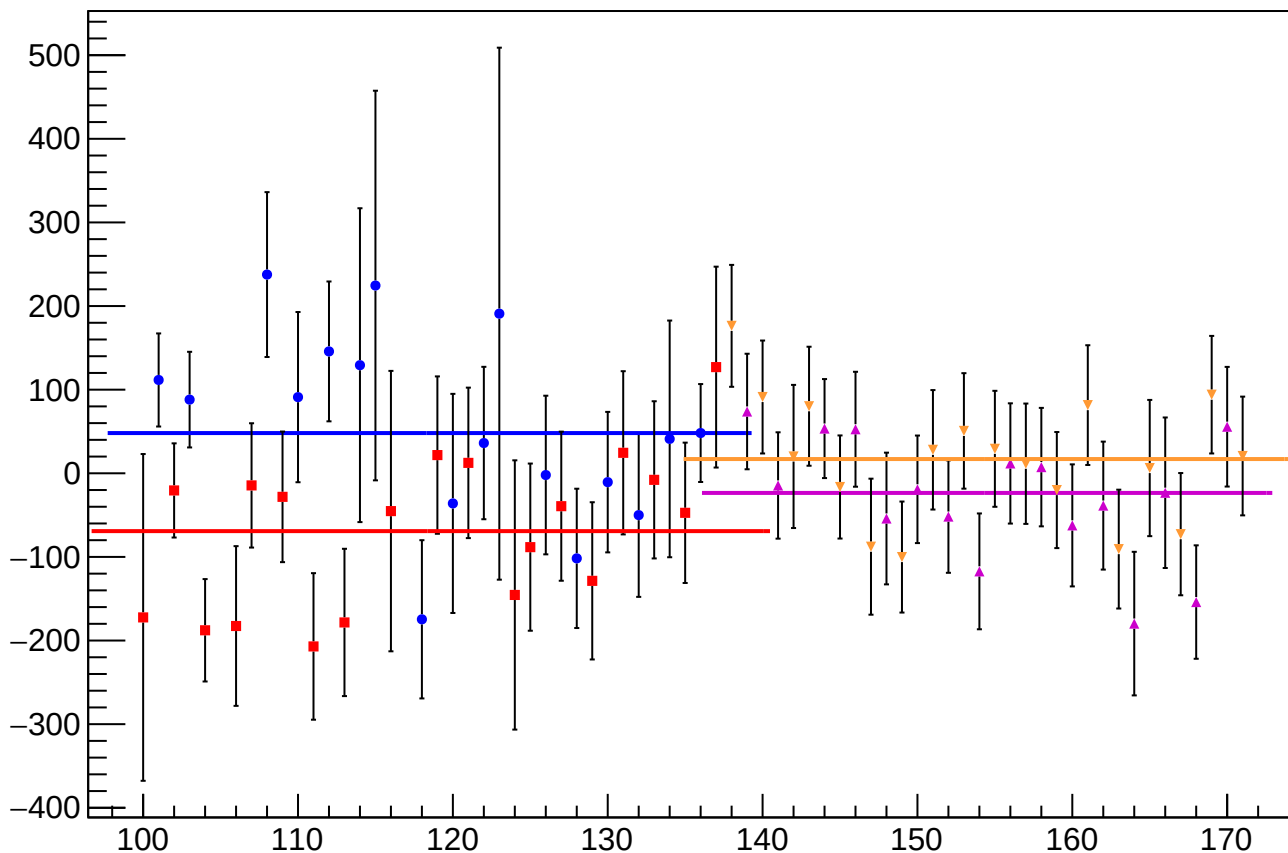
Left In: 272.252+/-0.055 χ^2/NDF : 429471.0/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 267.742+/-0.038 χ^2/NDF : 1075416.1/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109 $\pm$ 21.510 χ^2 /NDF: 19.0/16

Left Out: 17.042 $\pm$ 16.833 χ^2 /NDF: 18.3/17

Right Out: -69.156 $\pm$ 20.407 χ^2 /NDF: 17.7/18

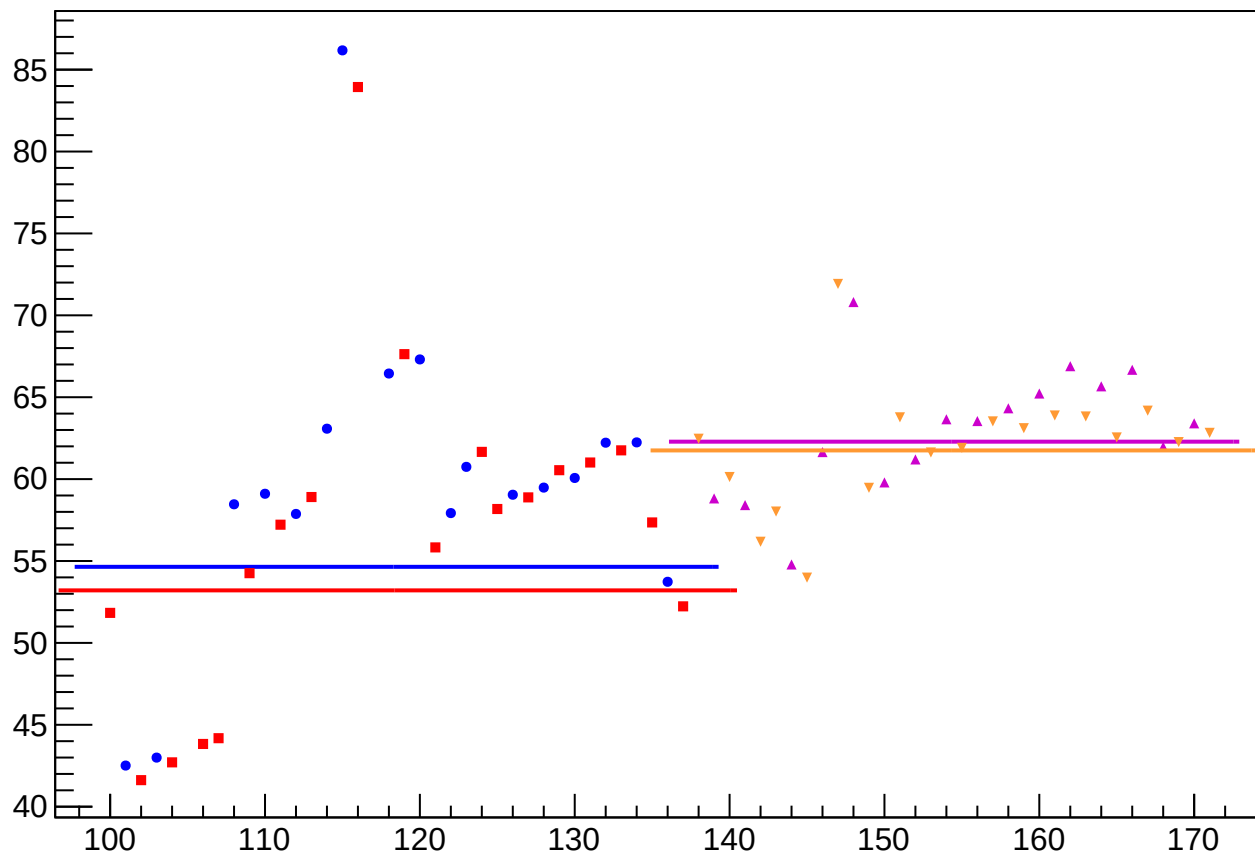
Left In: -23.473 $\pm$ 17.651 χ^2 /NDF: 16.1/15

+ sign 28.842 $\pm$ 13.257 χ^2 /NDF: 38.5/34

All: -6.838 $\pm$ 9.407 χ^2 /NDF: 89.7/69

- sign -43.023 $\pm$ 13.350 χ^2 /NDF: 36.6/34

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 61.751 $\pm$ 0.012 χ^2 /NDF: 90715.8/17

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

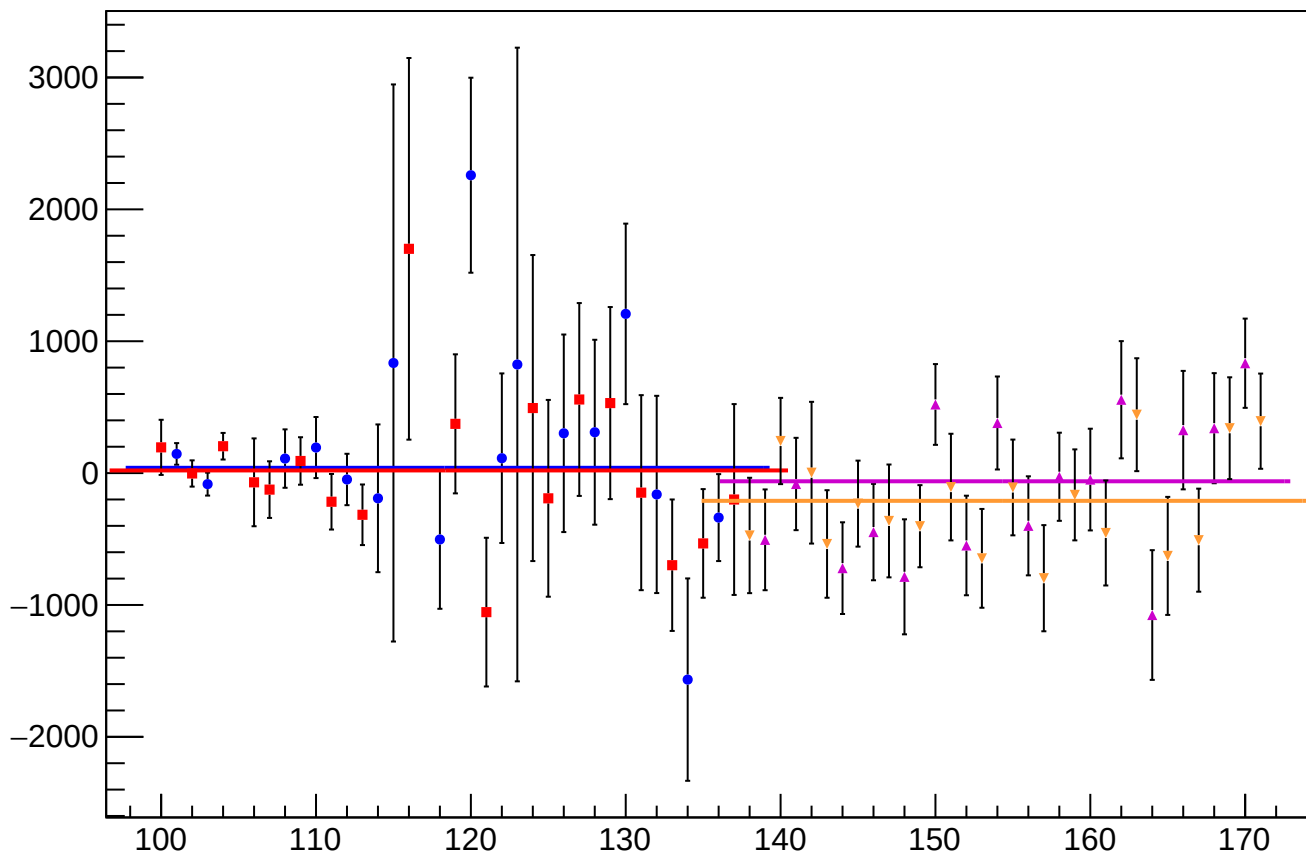
Left In: 62.286 $\pm$ 0.012 χ^2 /NDF: 93578.7/15

+ sign 59.052 $\pm$ 0.009 χ^2 /NDF: 545406.0/34

All: 58.729 $\pm$ 0.007 χ^2 /NDF: 1254150.9/69

- sign 58.401 $\pm$ 0.009 χ^2 /NDF: 706346.1/34

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 ± 51.542 χ^2/NDF : 23.9/16

Left Out: -210.288 ± 90.416 χ^2/NDF : 16.2/17

Right Out: 20.232 ± 53.274 χ^2/NDF : 18.9/18

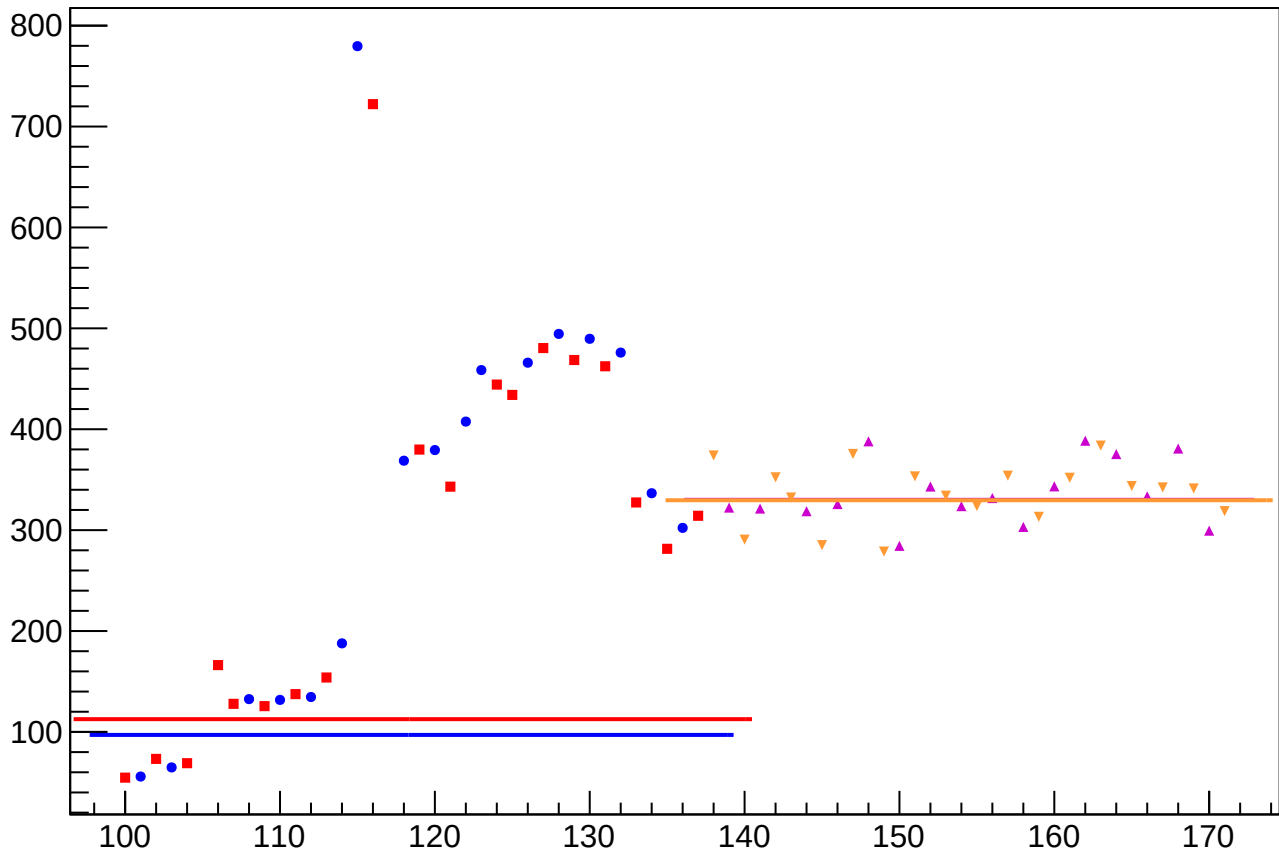
Left In: -62.078 ± 94.013 χ^2/NDF : 31.3/15

+ sign -21.230 ± 44.778 χ^2/NDF : 45.9/34

All: -10.872 ± 32.204 χ^2/NDF : 96.8/69

- sign 0.225 ± 46.350 χ^2/NDF : 50.8/34

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 329.623+/-0.064 χ^2/NDF : 231884.5/17

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

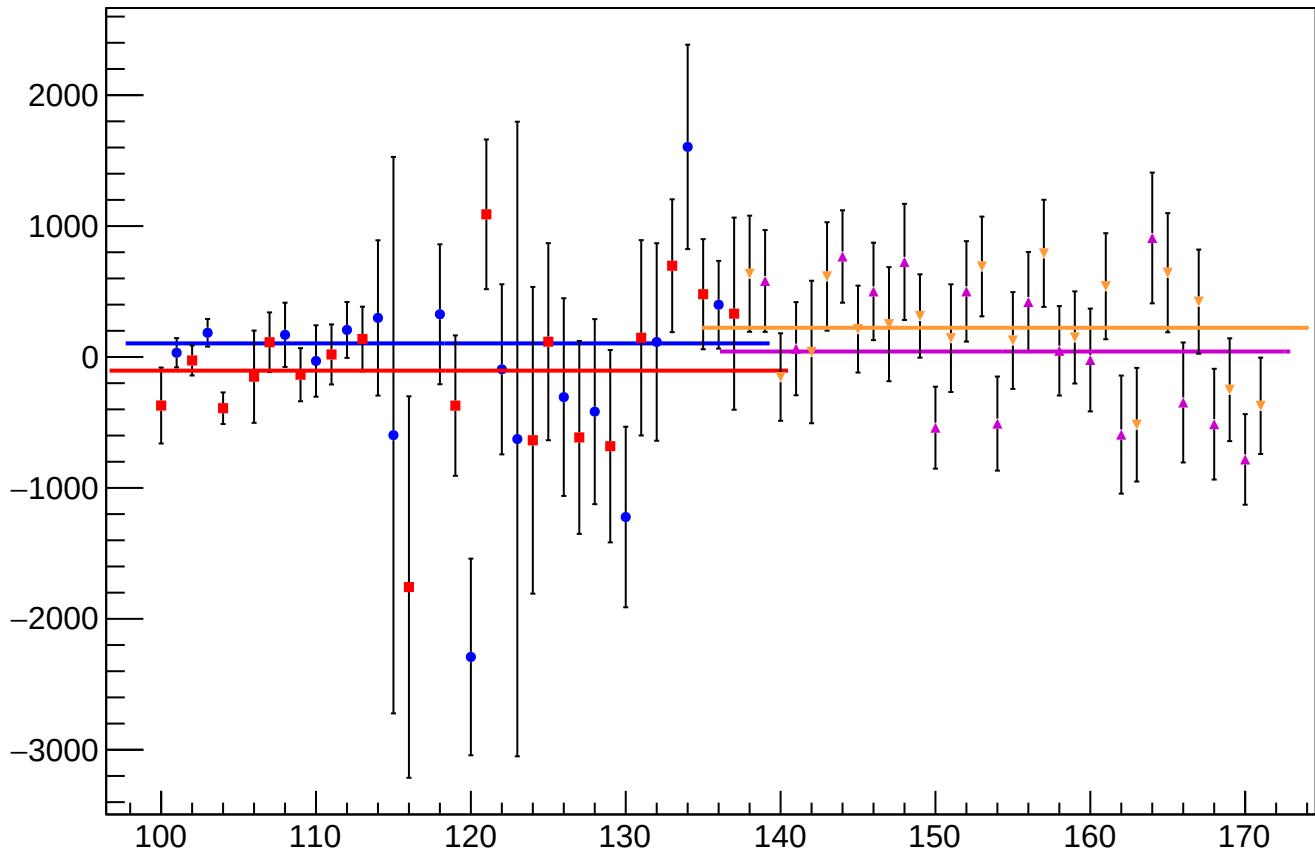
Left In: 330.045+/-0.066 χ^2/NDF : 200404.4/15

+ sign 154.083+/-0.032 χ^2/NDF : 16040020.4/34

All: 159.591+/-0.023 χ^2/NDF : 29434052.8/69

- sign 165.493+/-0.033 χ^2/NDF : 13331347.1/34

asym_sam_15_avg_mean vs Slug



Right In: 104.001 ± 63.156 $\chi^2/\text{NDF}: 21.3/16$

Left Out: 223.270 ± 92.042 $\chi^2/\text{NDF}: 15.5/17$

Right Out: -104.140 ± 60.857 $\chi^2/\text{NDF}: 21.3/18$

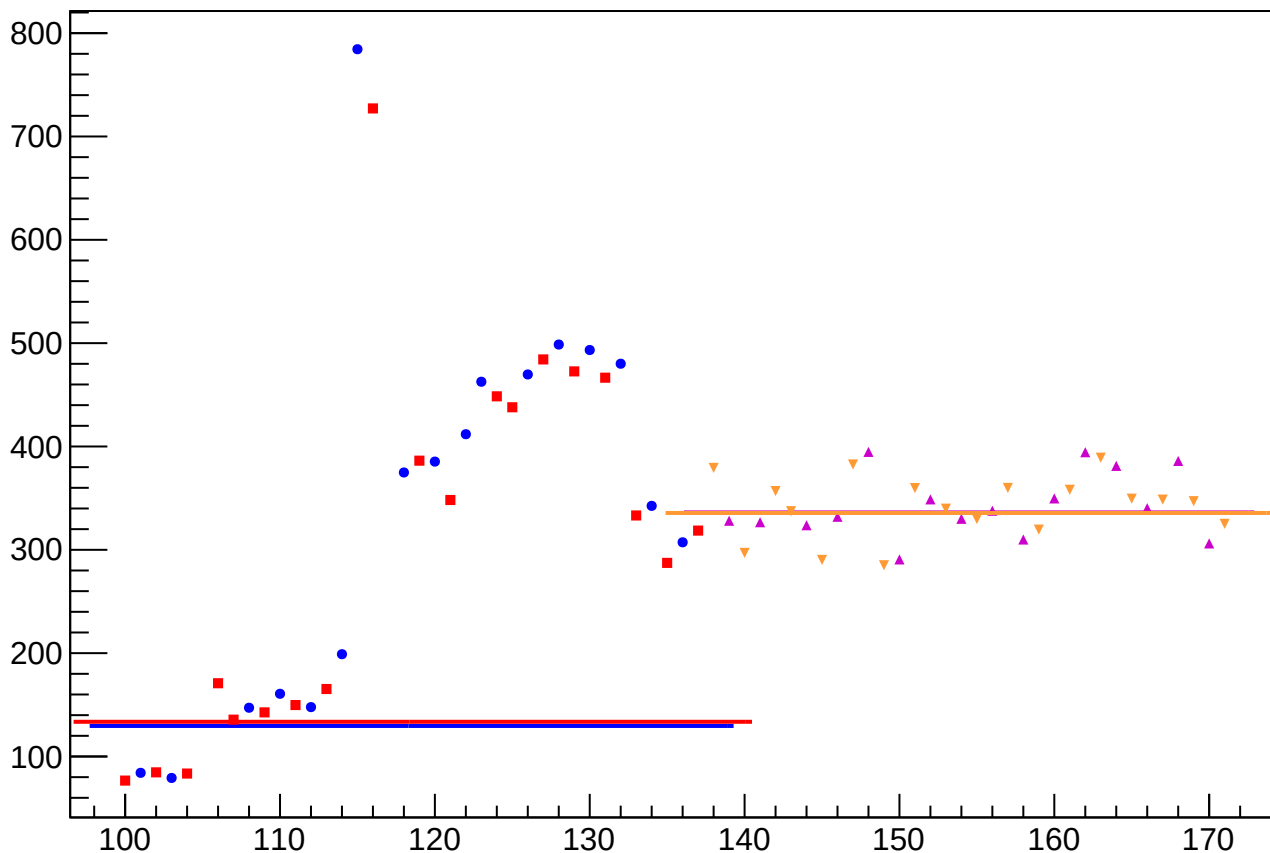
Left In: 41.883 ± 95.734 $\chi^2/\text{NDF}: 31.4/15$

+ sign 142.180 ± 52.076 $\chi^2/\text{NDF}: 38.0/34$

All: 38.616 ± 36.567 $\chi^2/\text{NDF}: 100.2/69$

- sign -62.115 ± 51.358 $\chi^2/\text{NDF}: 54.4/34$

asym_sam_15_avg_rms vs Slug



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 335.686 $\pm$ 0.065 χ^2 /NDF: 222915.0/17

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

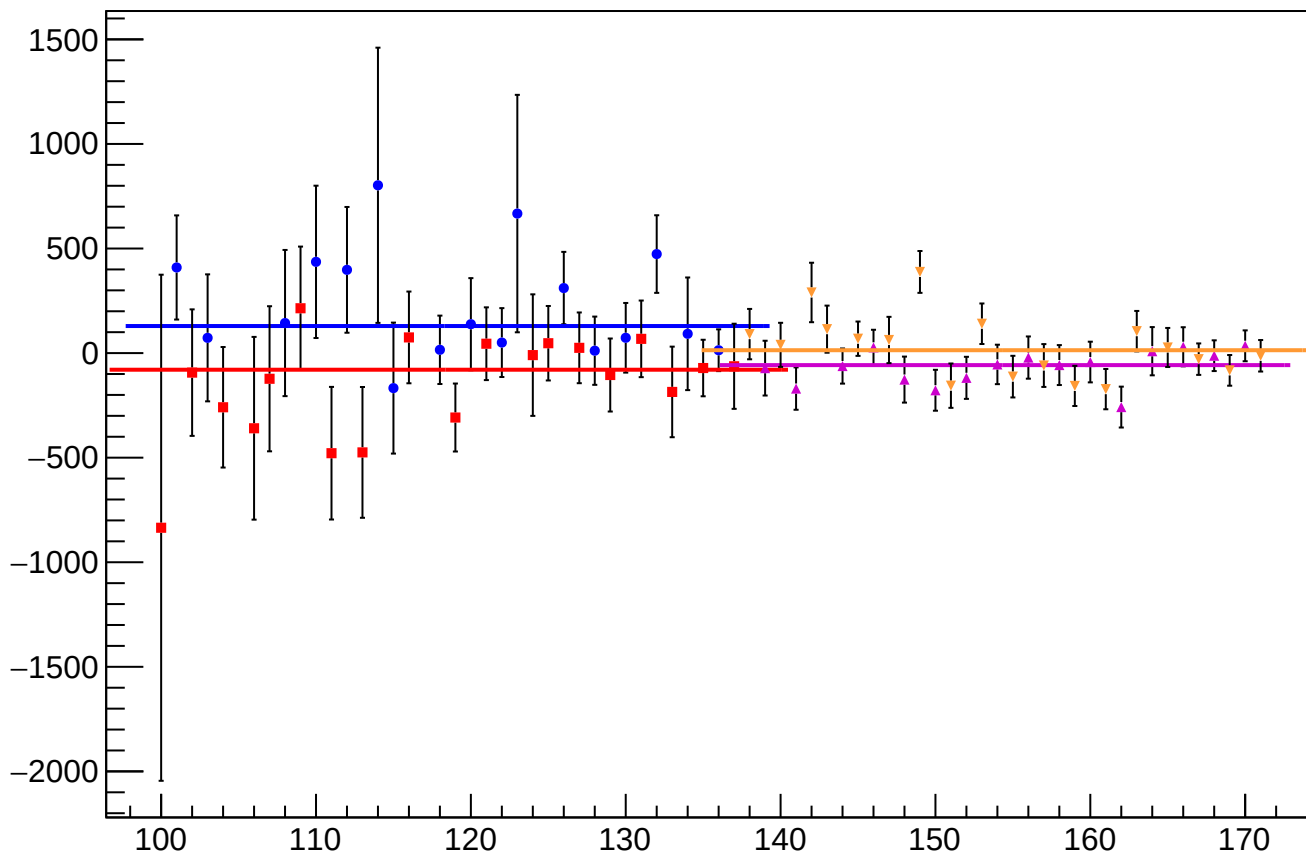
Left In: 336.214 $\pm$ 0.068 χ^2 /NDF: 191658.8/15

+ sign 195.538 $\pm$ 0.037 χ^2 /NDF: 11815587.2/34

All: 193.697 $\pm$ 0.026 χ^2 /NDF: 22759141.0/69

- sign 191.907 $\pm$ 0.036 χ^2 /NDF: 10938624.7/34

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 ± 49.122 χ^2/NDF : 12.9/16

Left Out: 13.755 ± 22.440 χ^2/NDF : 36.0/17

Right Out: -79.483 ± 49.886 χ^2/NDF : 10.2/18

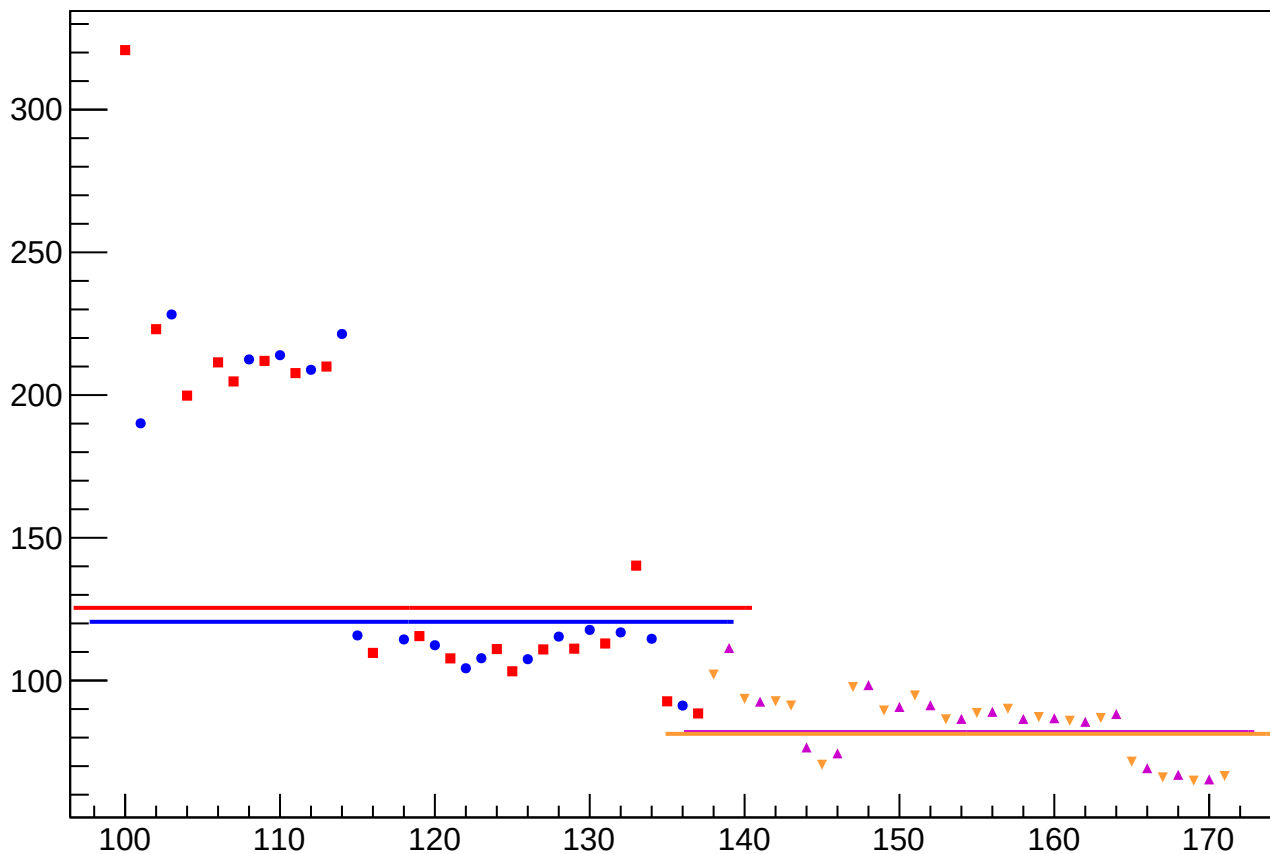
Left In: -57.478 ± 23.483 χ^2/NDF : 12.0/15

+ sign 33.722 ± 20.411 χ^2/NDF : 53.5/34

All: -11.966 ± 14.719 χ^2/NDF : 86.4/69

- sign -61.470 ± 21.247 χ^2/NDF : 22.4/34

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 81.315 $\pm$ 0.016 χ^2 /NDF: 569754.0/17

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

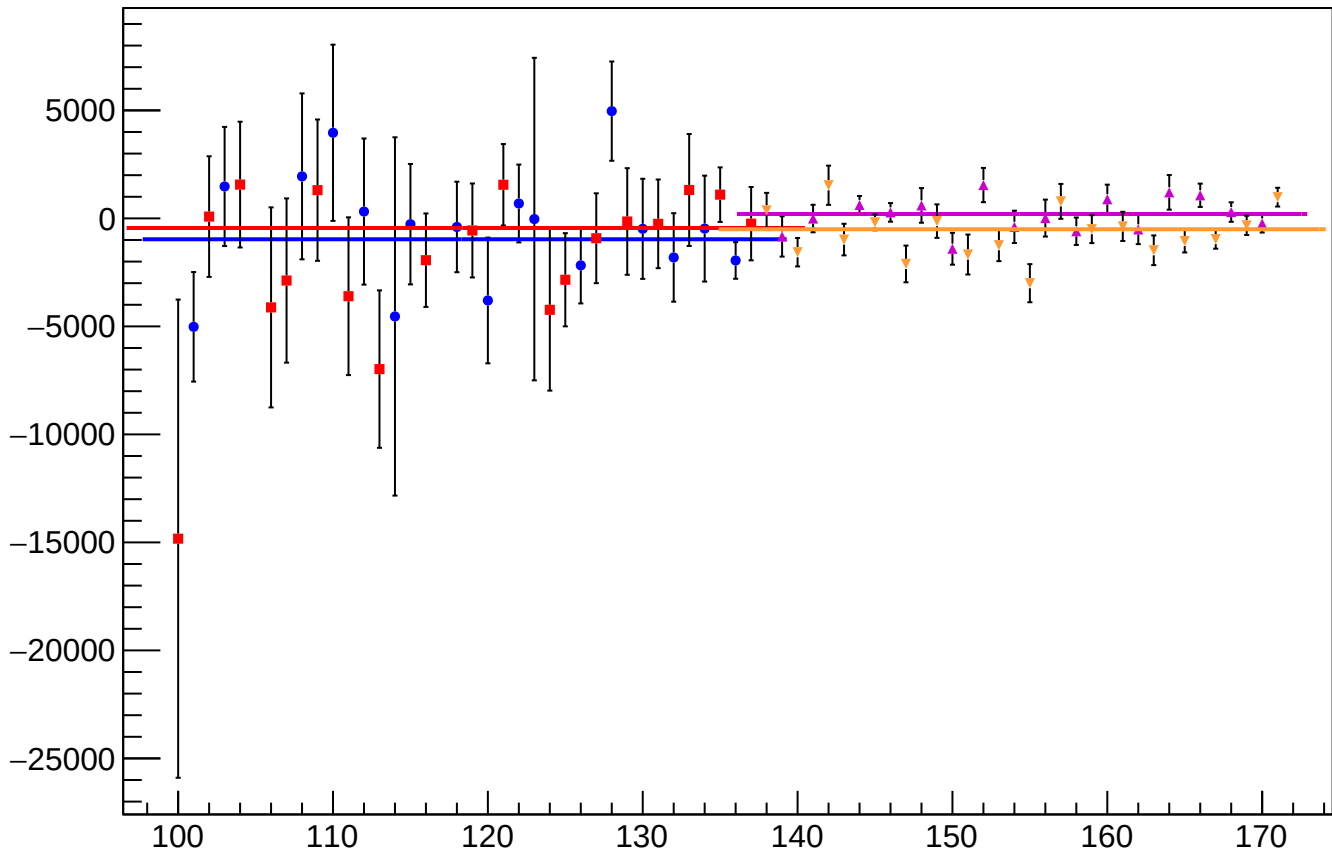
Left In: 81.929 $\pm$ 0.017 χ^2 /NDF: 479152.7/15

+ sign 88.092 $\pm$ 0.014 χ^2 /NDF: 2738293.7/34

All: 88.923 $\pm$ 0.010 χ^2 /NDF: 5804709.5/69

- sign 89.825 $\pm$ 0.015 χ^2 /NDF: 3059495.8/34

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587+/-512.340 χ^2 /NDF: 16.4/16

Left Out: -502.352+/-143.306 χ^2 /NDF: 43.0/17

Right Out: -444.406+/-545.370 χ^2 /NDF: 13.4/18

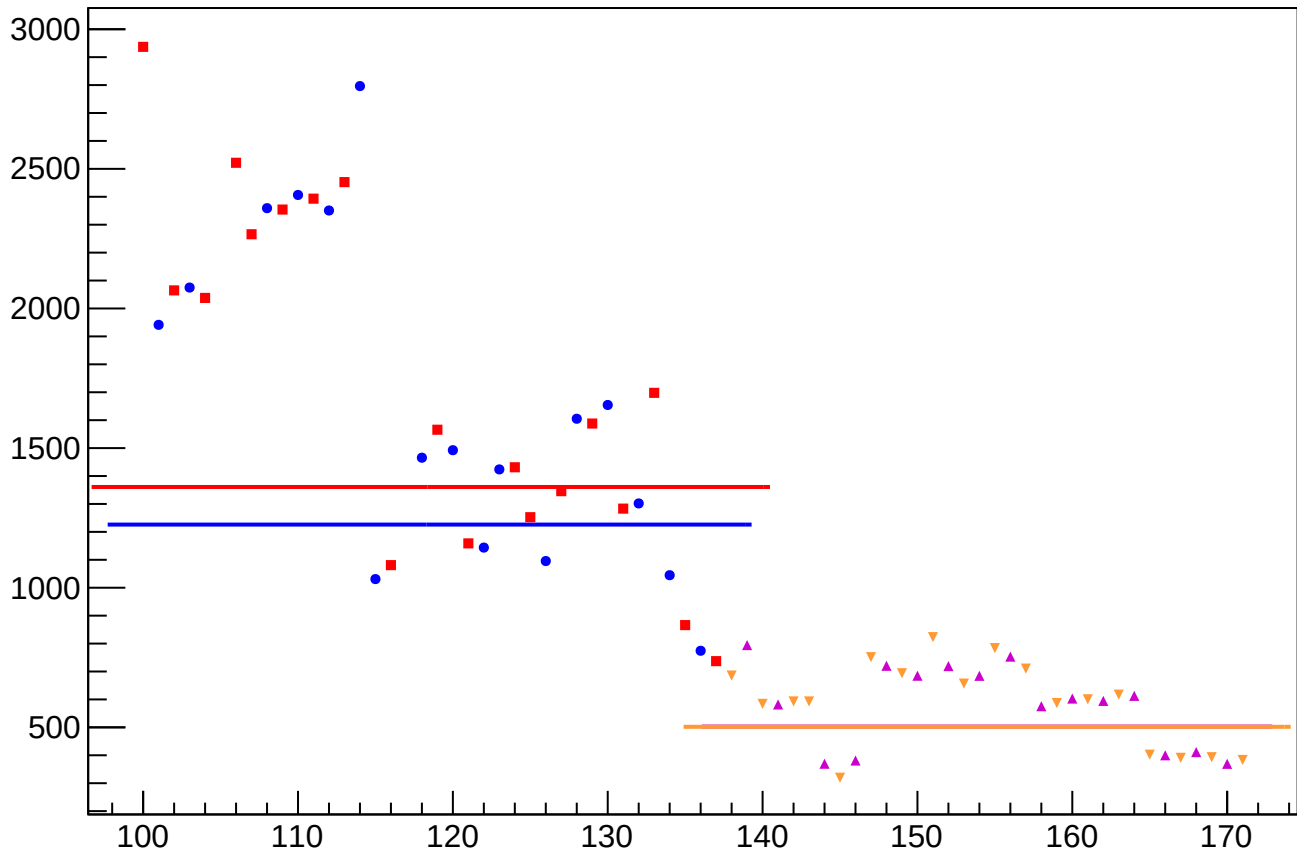
Left In: 202.477+/-148.500 χ^2 /NDF: 19.9/15

+ sign -536.036+/-138.009 χ^2 /NDF: 60.1/34

All: -202.113+/-99.399 χ^2 /NDF: 106.9/69

- sign 157.825+/-143.284 χ^2 /NDF: 34.6/34

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135 $\pm$ 0.362 χ^2/NDF : 1756323.1/16

Left Out: 501.981 $\pm$ 0.101 χ^2/NDF : 2225683.3/17

Right Out: 1360.770 $\pm$ 0.386 χ^2/NDF : 1749074.9/18

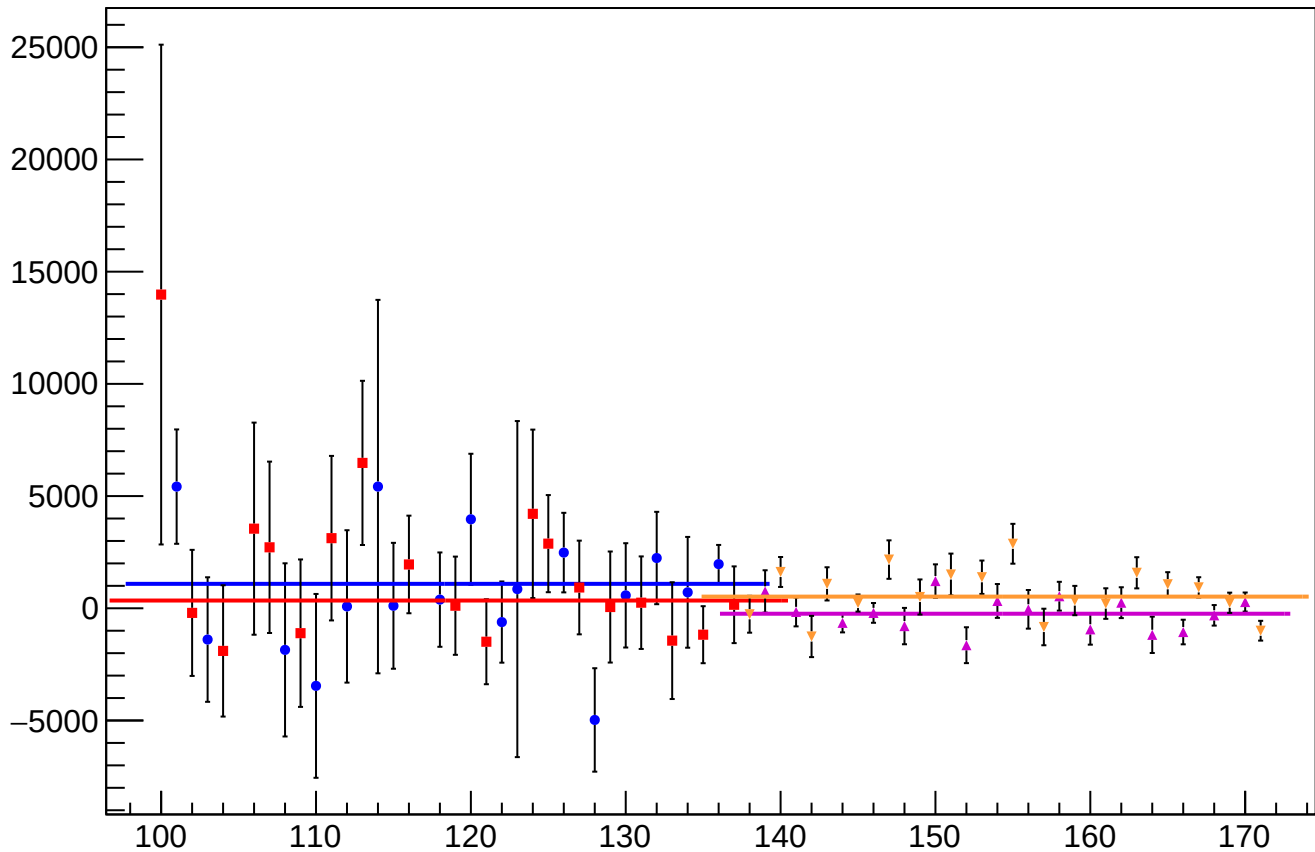
Left In: 502.780 $\pm$ 0.105 χ^2/NDF : 1800460.1/15

+ sign 554.525 $\pm$ 0.098 χ^2/NDF : 7687629.2/34

All: 558.124 $\pm$ 0.070 χ^2/NDF : 15848384.8/69

- sign 562.003 $\pm$ 0.101 χ^2/NDF : 8157929.9/34

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 ± 515.272 χ^2/NDF : 16.9/16

Left Out: 519.873 ± 145.337 χ^2/NDF : 41.2/17

Right Out: 345.640 ± 548.191 χ^2/NDF : 12.5/18

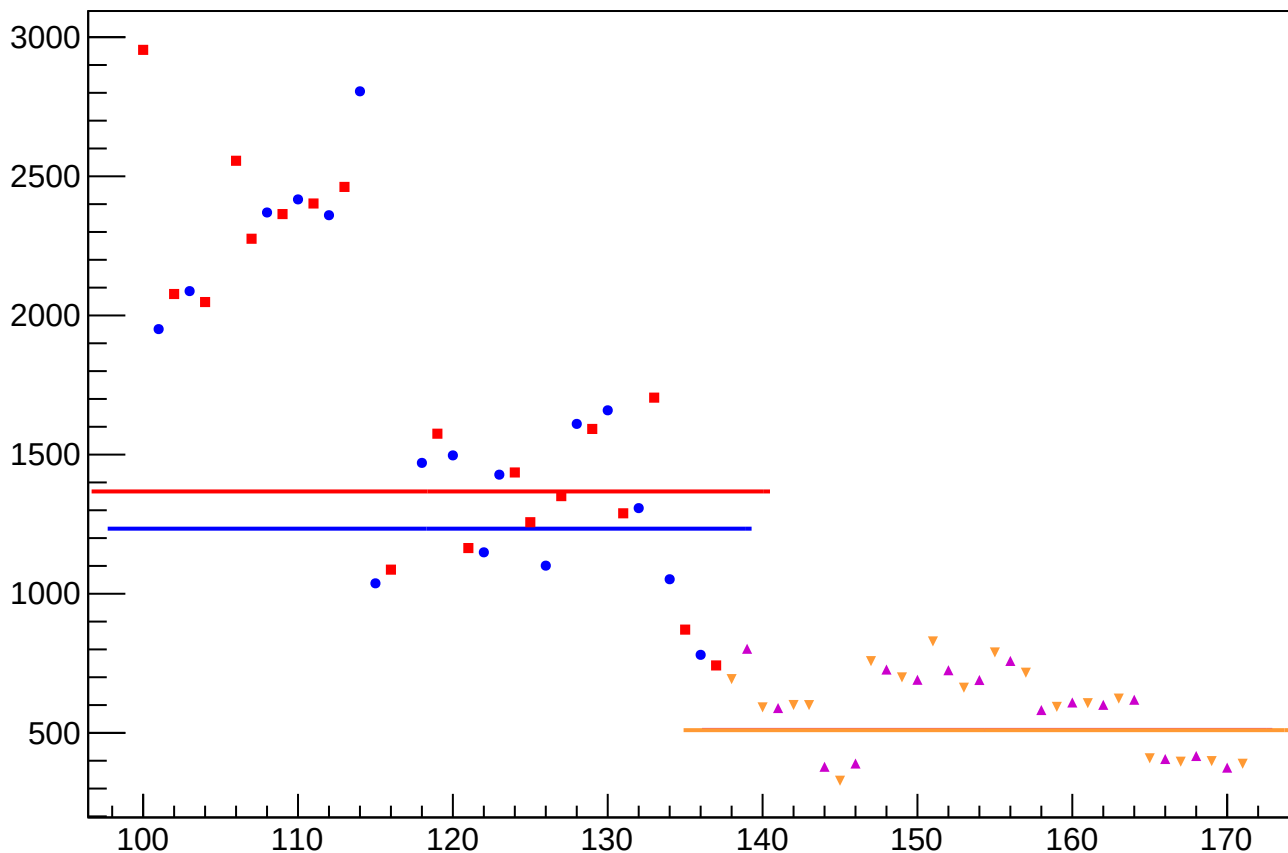
Left In: -242.950 ± 150.652 χ^2/NDF : 18.1/15

+ sign 561.819 ± 139.879 χ^2/NDF : 59.3/34

All: 194.517 ± 100.760 χ^2/NDF : 105.4/69

- sign -201.619 ± 145.266 χ^2/NDF : 31.7/34

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 509.836+/-0.103 χ^2/NDF : 2158496.7/17

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

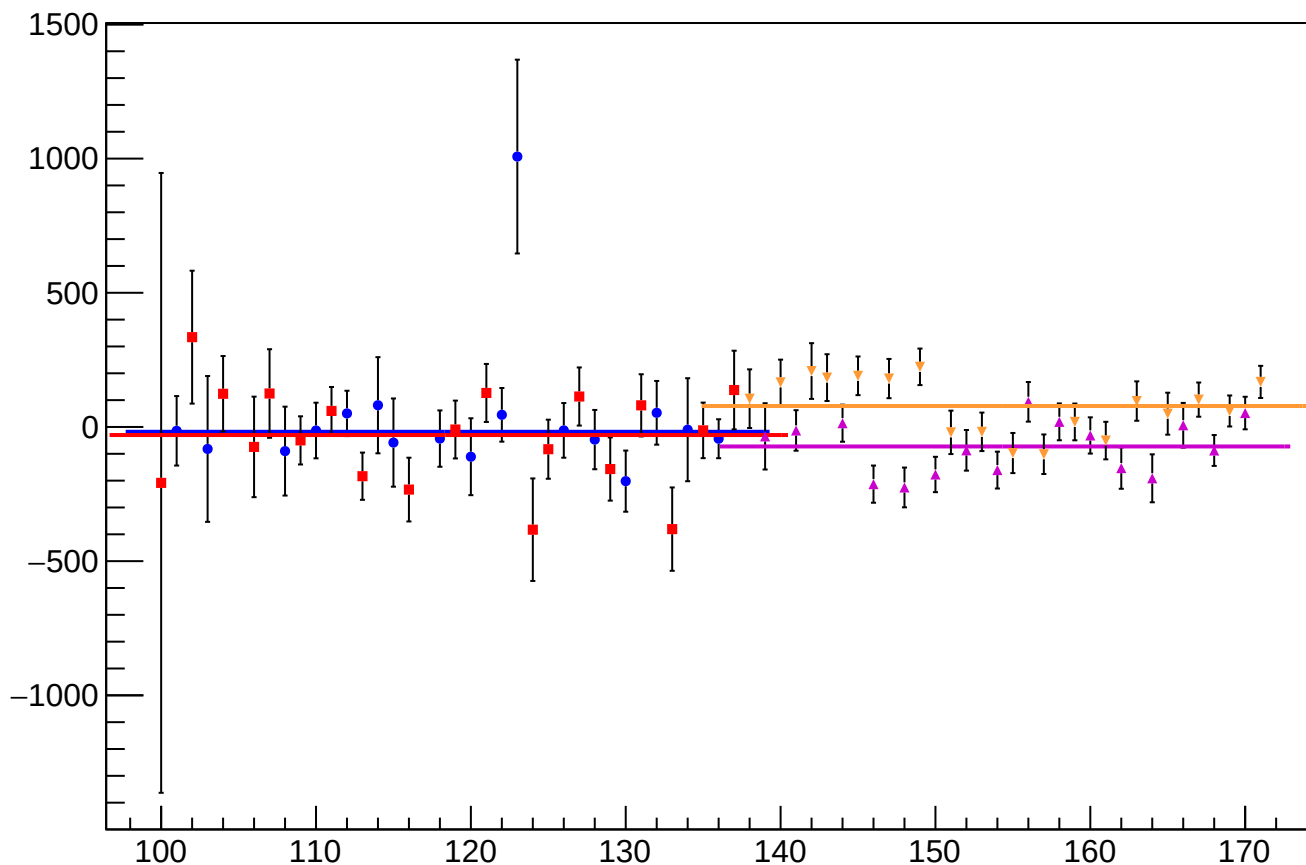
Left In: 510.738+/-0.107 χ^2/NDF : 1745459.8/15

+ sign 563.192+/-0.099 χ^2/NDF : 7560351.0/34

All: 566.904+/-0.071 χ^2/NDF : 15596693.1/69

- sign 570.908+/-0.103 χ^2/NDF : 8033414.8/34

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 78.070 ± 17.286 $\chi^2/\text{NDF}: 34.8/17$

Right Out: -30.070 ± 27.976 $\chi^2/\text{NDF}: 27.4/18$

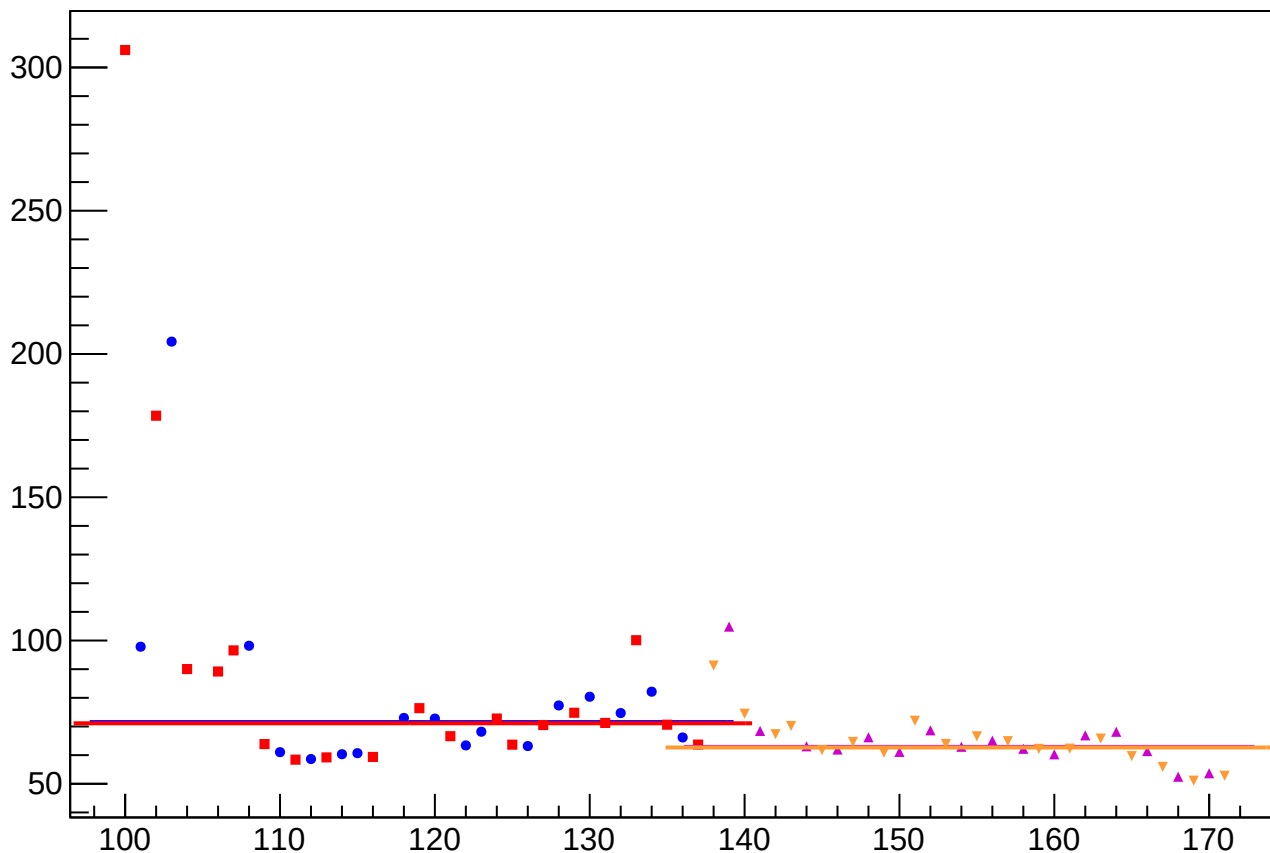
Left In: -72.651 ± 18.003 $\chi^2/\text{NDF}: 30.1/15$

+ sign 52.697 ± 14.828 $\chi^2/\text{NDF}: 56.3/34$

All: -2.567 ± 10.593 $\chi^2/\text{NDF}: 143.8/69$

- sign -60.182 ± 15.139 $\chi^2/\text{NDF}: 59.1/34$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 62.673+/-0.012 χ^2/NDF : 396366.7/17

Right Out: 71.115+/-0.020 χ^2/NDF : 765159.2/18

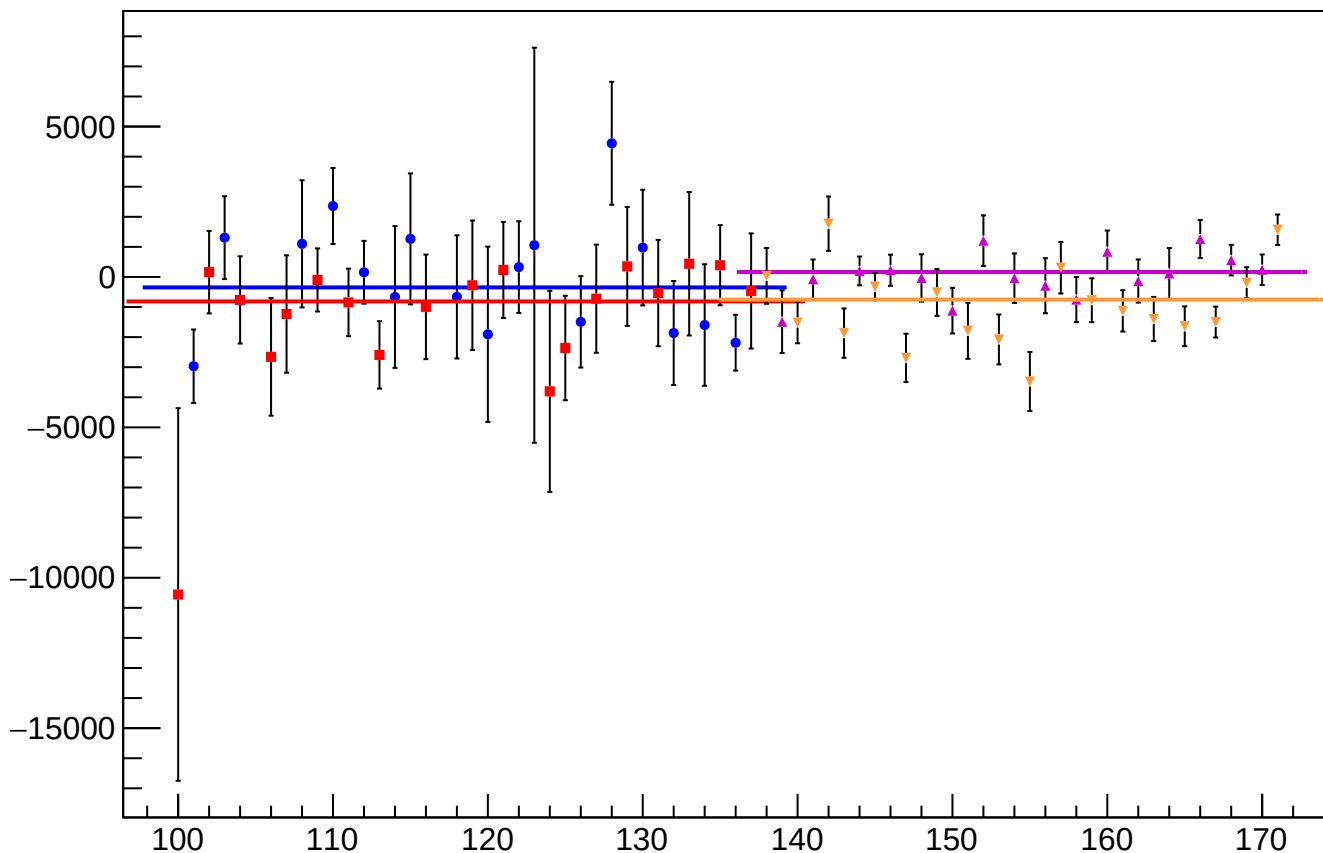
Left In: 62.874+/-0.013 χ^2/NDF : 389099.4/15

+ sign 65.014+/-0.010 χ^2/NDF : 1294237.7/34

All: 65.148+/-0.007 χ^2/NDF : 2571561.4/69

- sign 65.287+/-0.011 χ^2/NDF : 1276992.5/34

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 $\pm$ 381.994 χ^2/NDF : 24.1/16

Left Out: -752.879 $\pm$ 160.843 χ^2/NDF : 58.6/17

Right Out: -814.154 $\pm$ 369.807 χ^2/NDF : 10.5/18

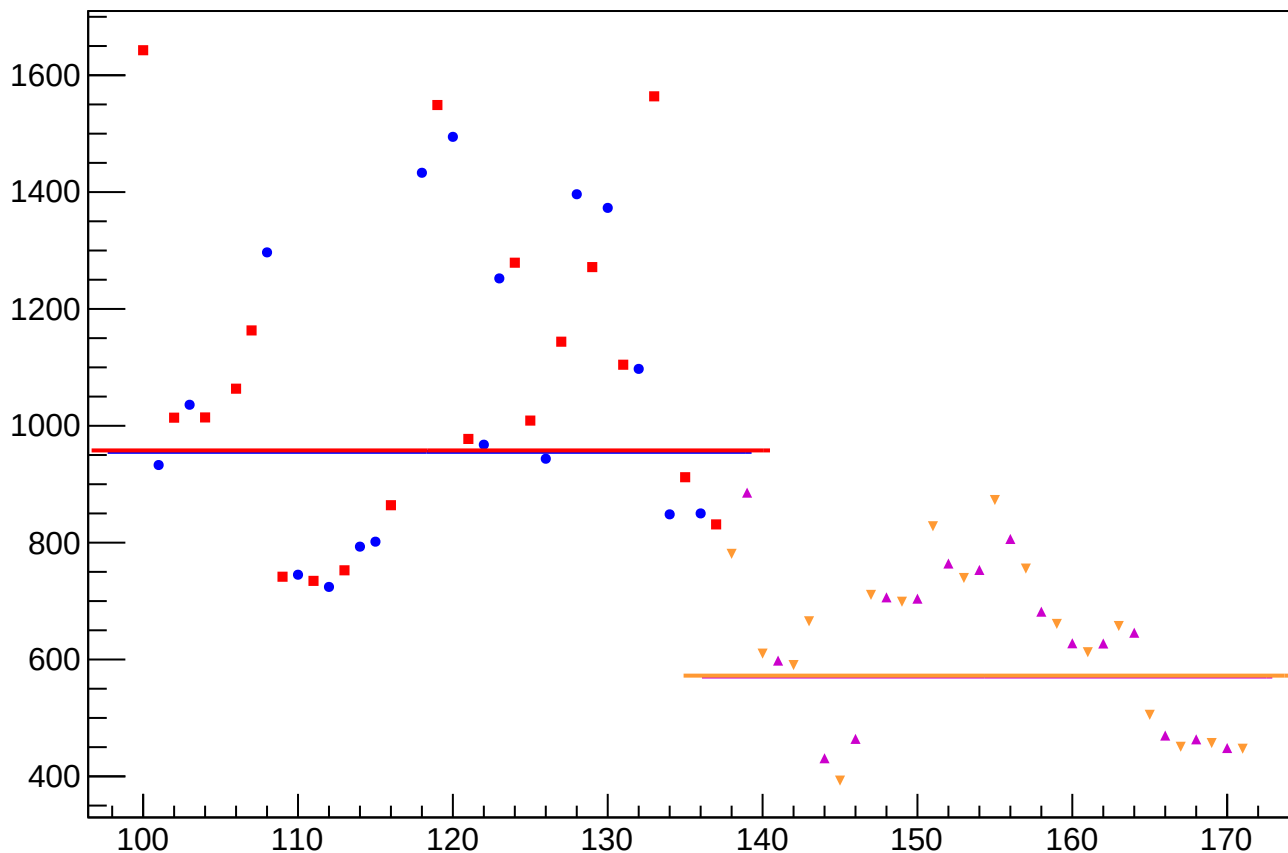
Left In: 165.347 $\pm$ 166.215 χ^2/NDF : 13.7/15

+ sign -691.897 $\pm$ 148.238 χ^2/NDF : 83.7/34

All: -353.363 $\pm$ 105.991 χ^2/NDF : 124.3/69

- sign 0.726 $\pm$ 151.605 χ^2/NDF : 30.0/34

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 572.407+/-0.114 χ^2/NDF : 1488976.5/17

Right Out: 957.849+/-0.261 χ^2/NDF : 693081.8/18

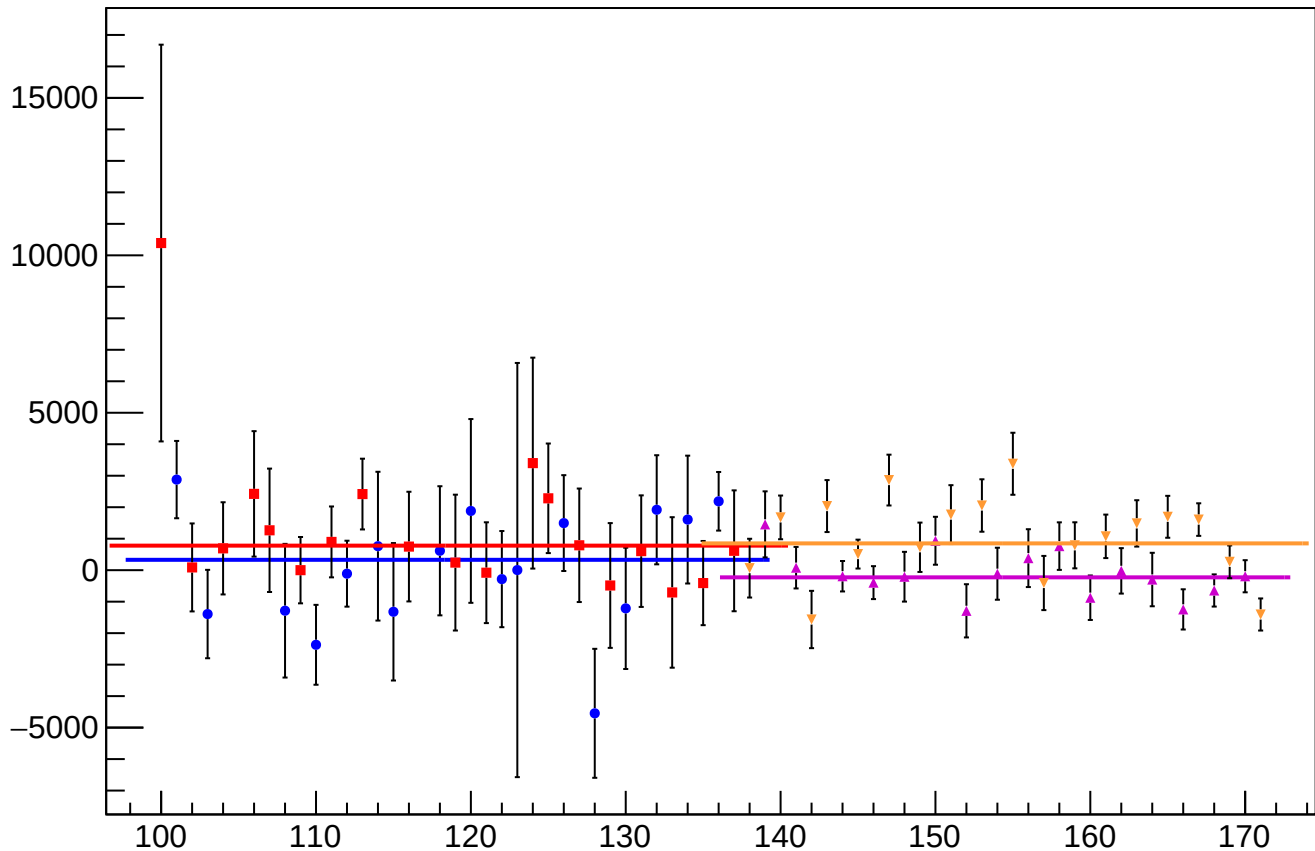
Left In: 570.856+/-0.118 χ^2/NDF : 1241483.2/15

+ sign 630.087+/-0.105 χ^2/NDF : 3843429.0/34

All: 632.926+/-0.075 χ^2/NDF : 7601604.3/69

- sign 635.896+/-0.107 χ^2/NDF : 3756674.2/34

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 850.779 ± 161.935 χ^2/NDF : 55.3/17

Right Out: 779.623 ± 371.673 χ^2/NDF : 9.3/18

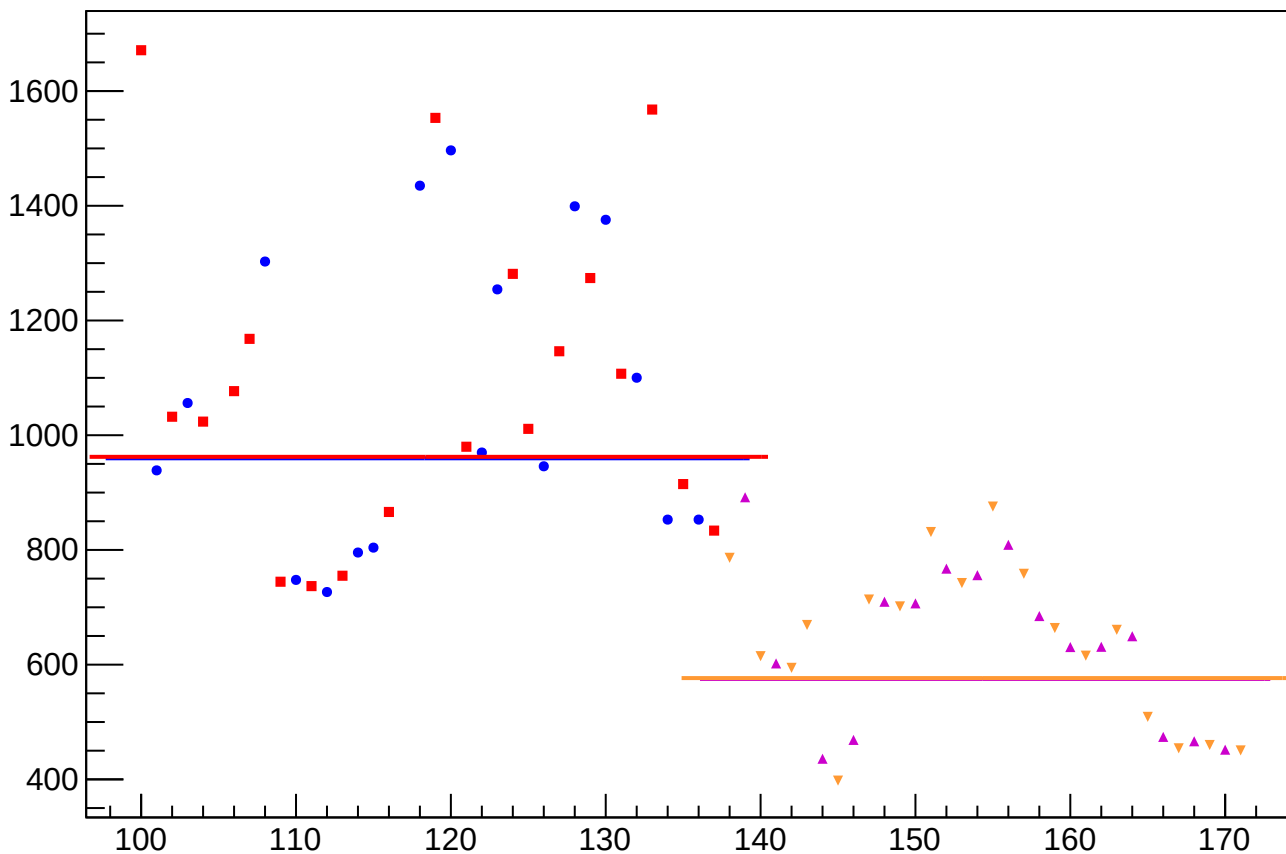
Left In: -227.744 ± 167.361 χ^2/NDF : 13.1/15

+ sign 771.928 ± 149.194 χ^2/NDF : 81.2/34

All: 366.377 ± 106.681 χ^2/NDF : 124.8/69

- sign -57.921 ± 152.604 χ^2/NDF : 28.6/34

asym_sam_37_avg_rms vs Slug



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 576.577 $\pm$ 0.115 χ^2 /NDF:1463053.6/17

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

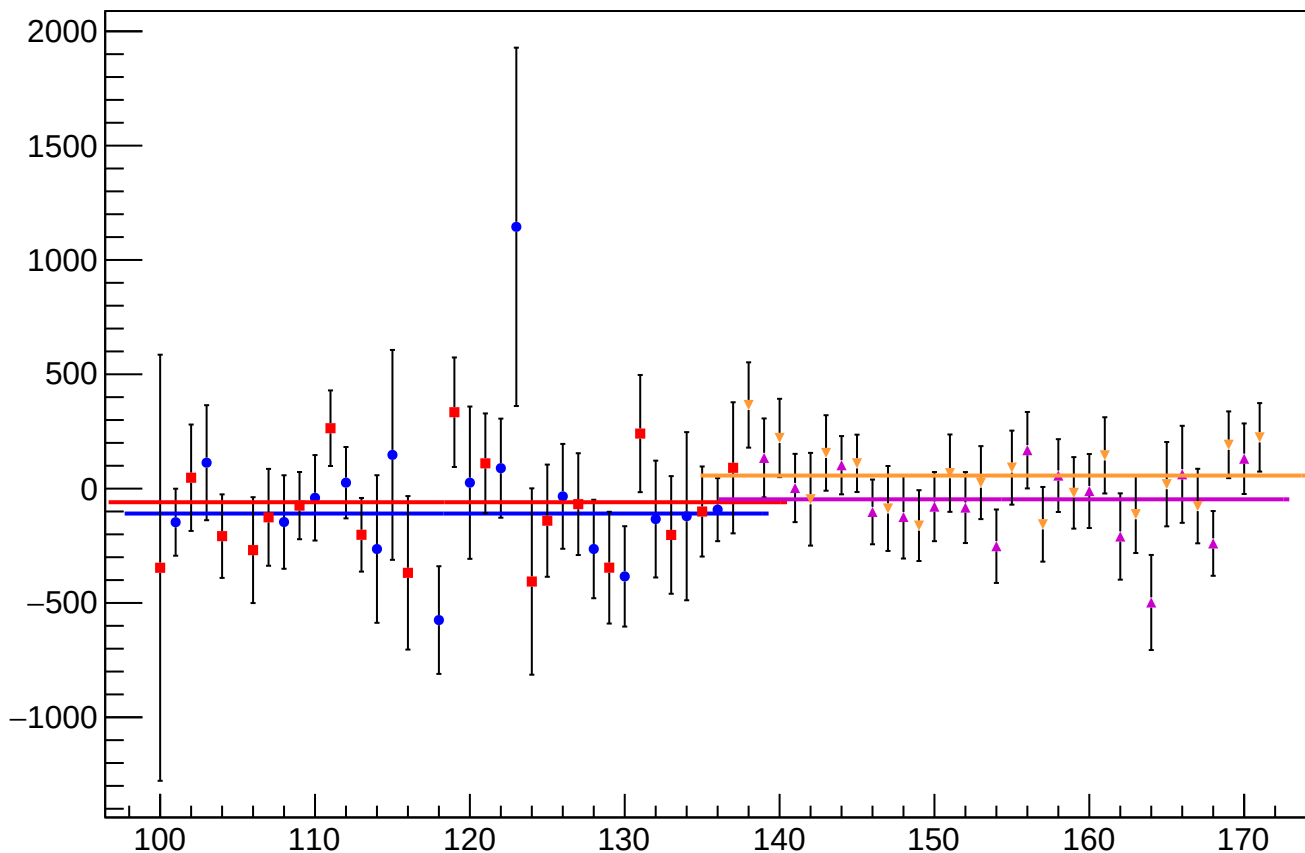
Left In: 575.070 $\pm$ 0.118 χ^2 /NDF:1220121.4/15

+ sign 634.503 $\pm$ 0.105 χ^2 /NDF: 3802721.0/34

All: 637.361 $\pm$ 0.075 χ^2 /NDF: 7525182.1/69

- sign 640.352 $\pm$ 0.108 χ^2 /NDF: 3720958.7/34

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 57.166 ± 38.400 χ^2/NDF : 13.2/17

Right Out: -59.475 ± 50.822 χ^2/NDF : 14.9/18

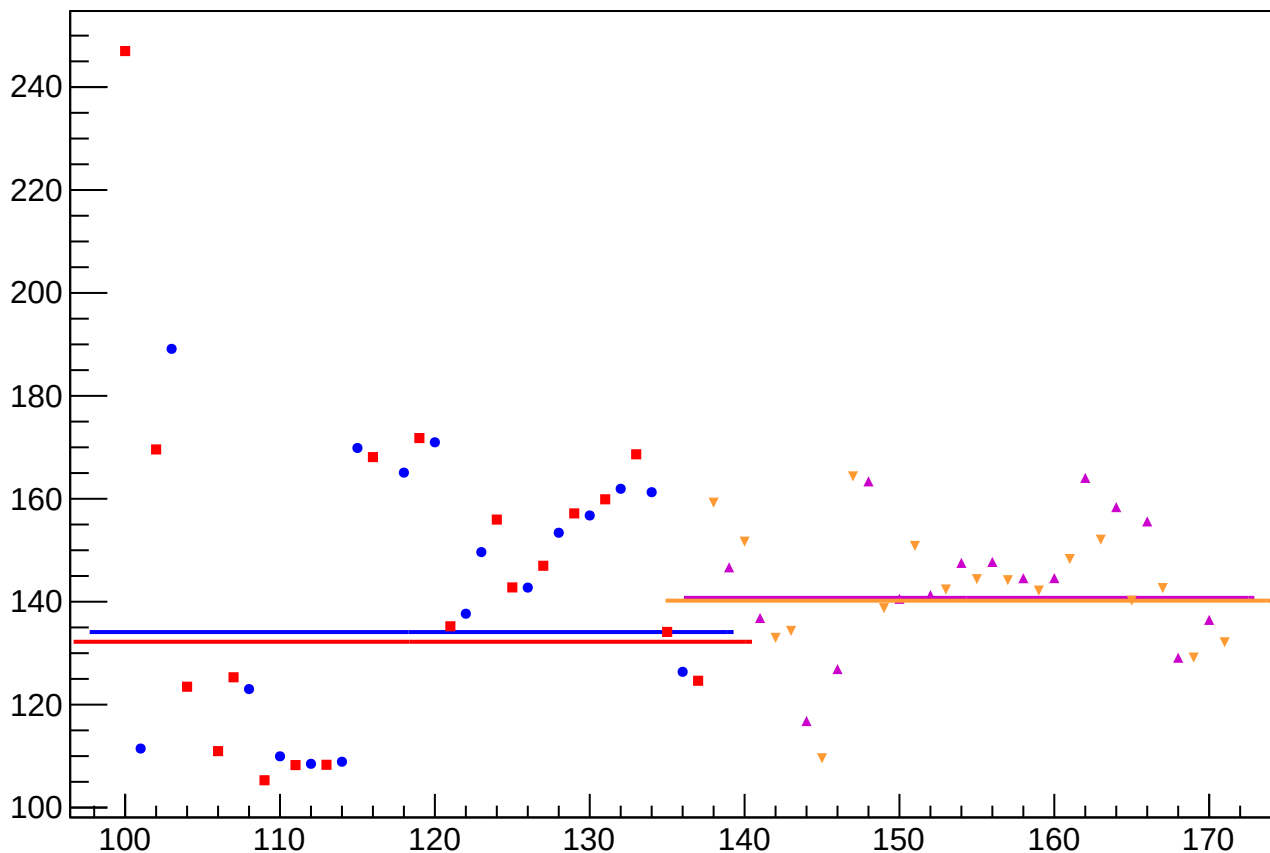
Left In: -46.775 ± 40.064 χ^2/NDF : 15.7/15

+ sign -0.136 ± 31.080 χ^2/NDF : 31.6/34

All: -25.574 ± 22.111 χ^2/NDF : 63.6/69

- sign -51.643 ± 31.463 χ^2/NDF : 30.6/34

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 140.203 $\pm$ 0.027 χ^2 /NDF:231455.7/17

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

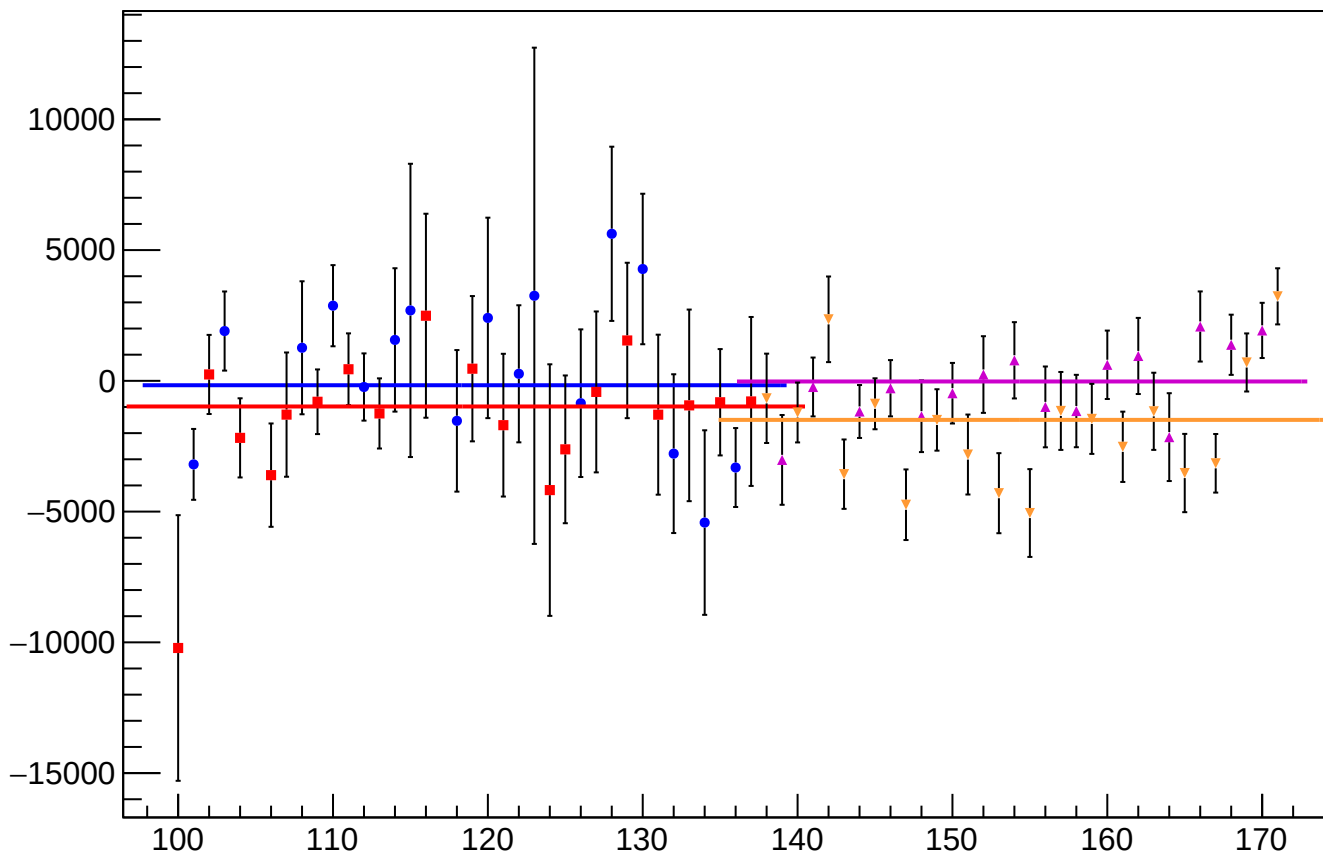
Left In: 140.750 $\pm$ 0.028 χ^2 /NDF:203626.6/15

+ sign 138.099 $\pm$ 0.022 χ^2 /NDF: 651444.3/34

All: 137.794 $\pm$ 0.016 χ^2 /NDF: 1331959.6/69

- sign 137.480 $\pm$ 0.022 χ^2 /NDF: 680123.3/34

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -1493.005 ± 308.220 χ^2/NDF : 51.1/17

Right Out: -980.517 ± 480.968 χ^2/NDF : 10.2/18

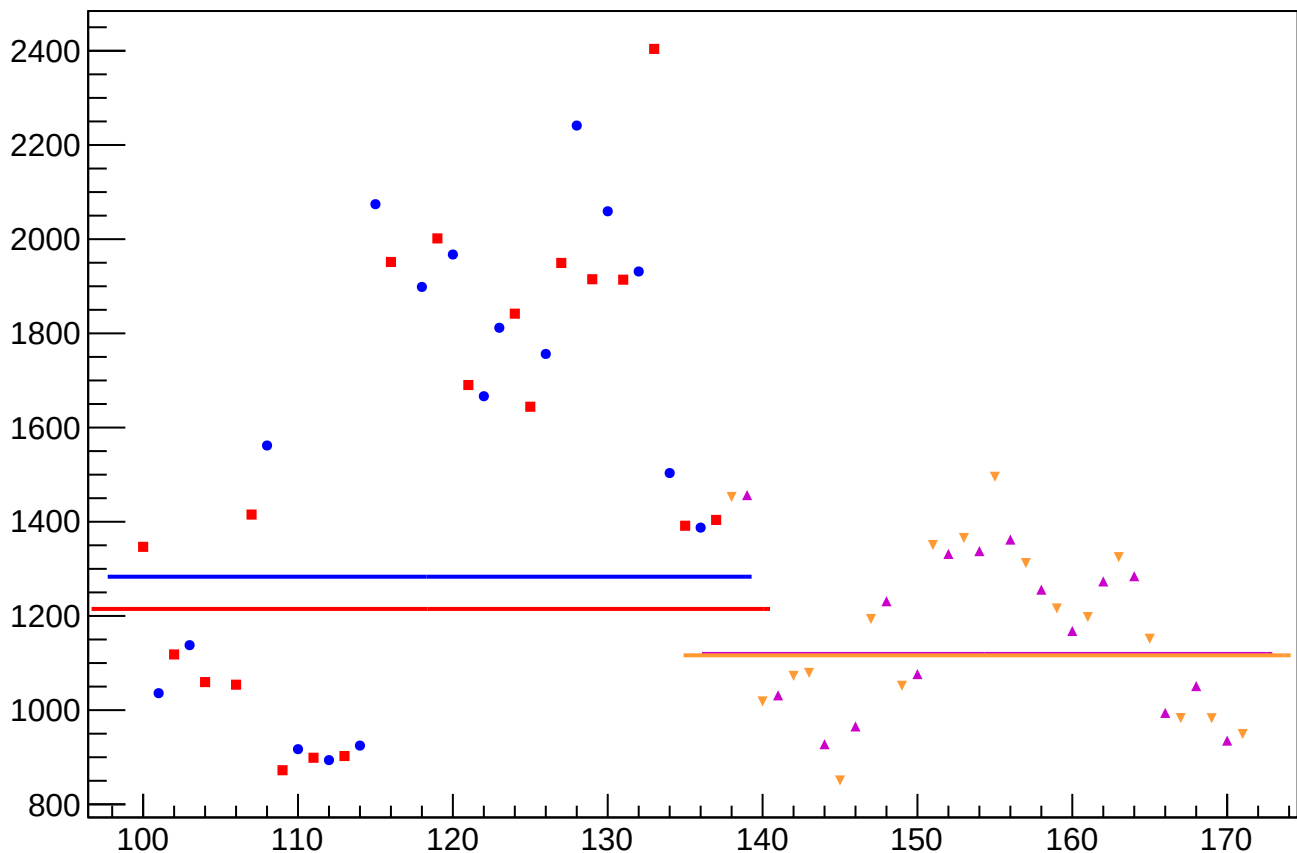
Left In: -24.514 ± 320.403 χ^2/NDF : 16.6/15

+ sign -1152.156 ± 265.626 χ^2/NDF : 81.1/34

All: -736.868 ± 188.188 χ^2/NDF : 115.6/69

- sign -318.361 ± 266.654 χ^2/NDF : 29.5/34

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318 $\pm$ 0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1116.417 $\pm$ 0.218 χ^2 /NDF: 657956.0/17

Right Out: 1214.883 $\pm$ 0.340 χ^2 /NDF: 1360860.3/18

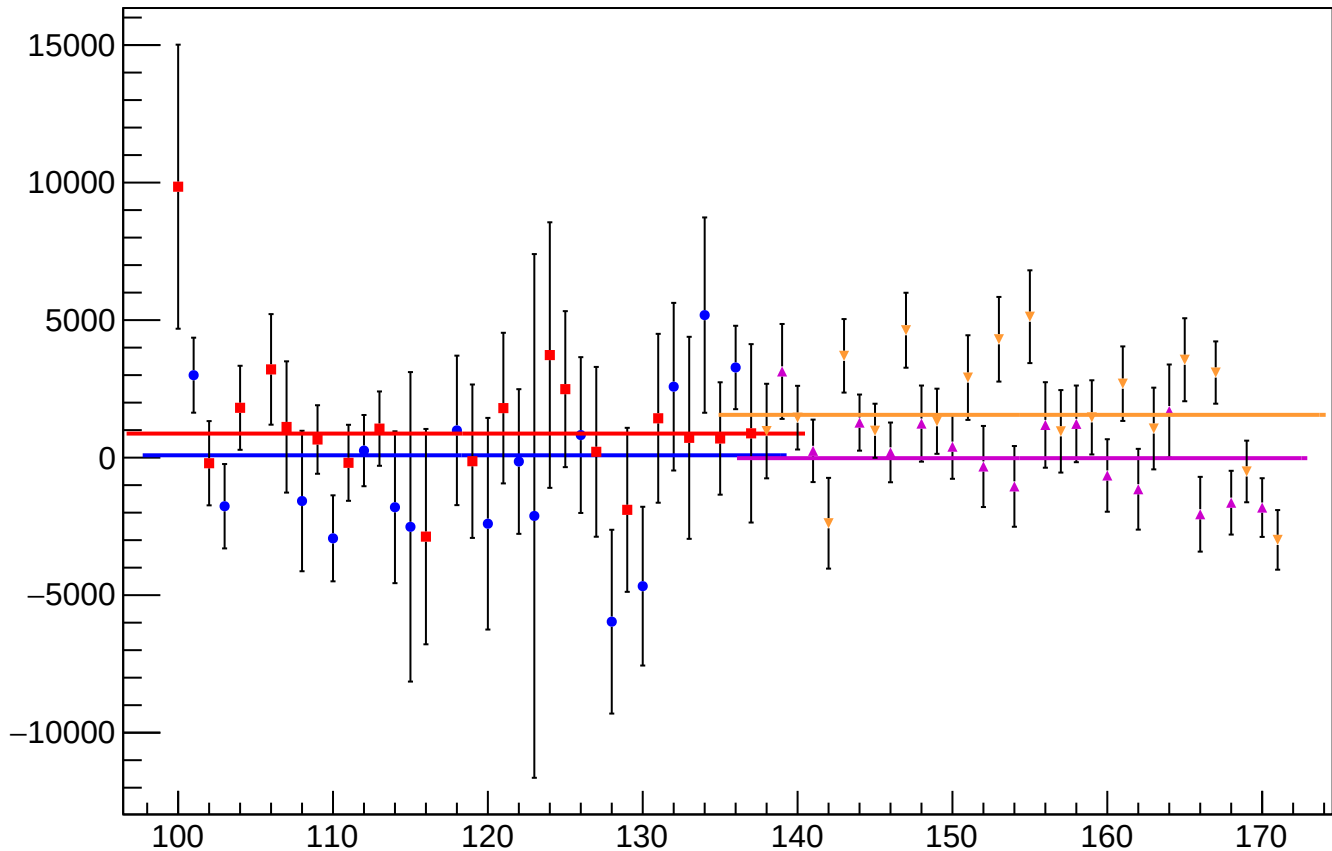
Left In: 1119.368 $\pm$ 0.227 χ^2 /NDF: 503469.4/15

+ sign 1159.359 $\pm$ 0.188 χ^2 /NDF: 1978273.2/34

All: 1154.063 $\pm$ 0.133 χ^2 /NDF: 3898829.7/69

- sign 1148.727 $\pm$ 0.189 χ^2 /NDF: 1918960.5/34

asym_sam_48_avg_mean vs Slug



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 1555.687 ± 310.786 χ^2/NDF : 47.9/17

Right Out: 874.592 ± 484.647 χ^2/NDF : 8.7/18

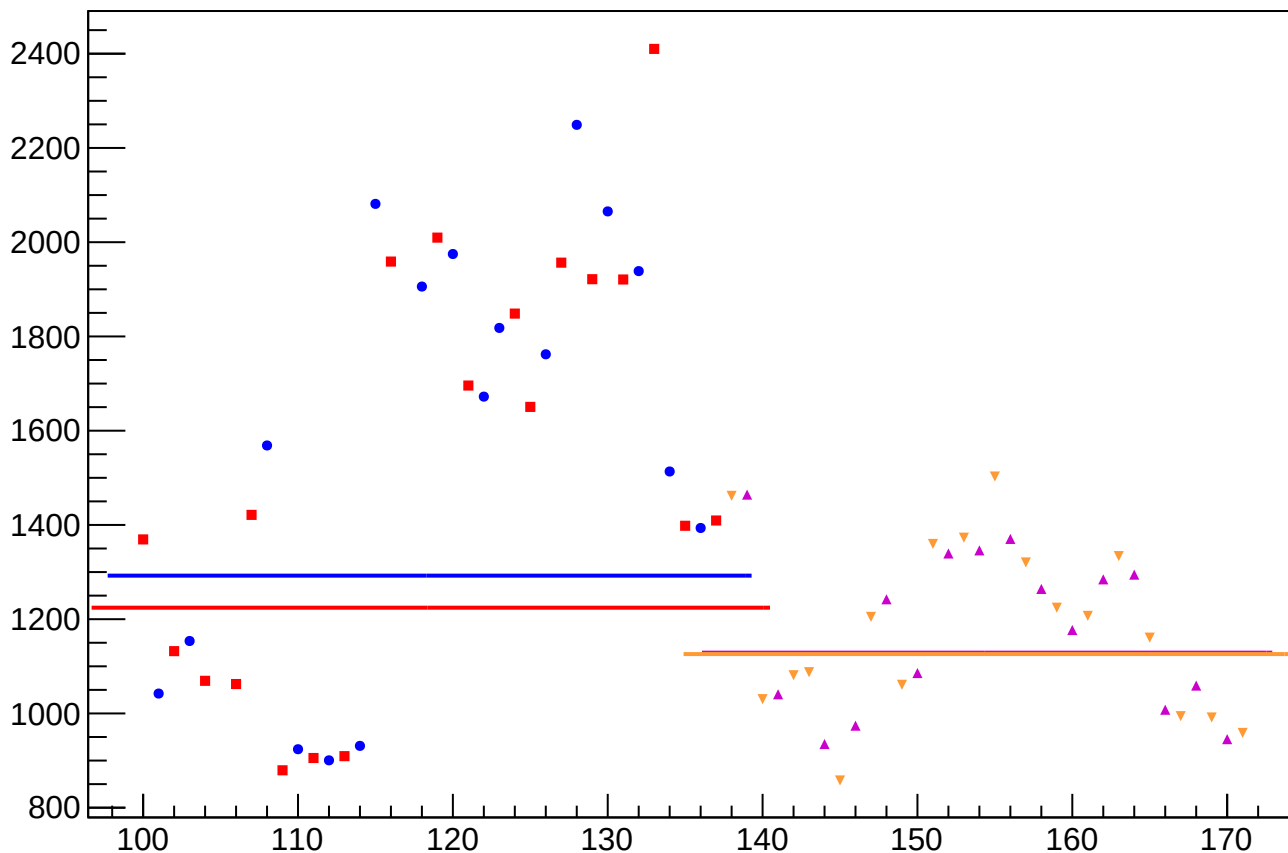
Left In: -19.210 ± 323.083 χ^2/NDF : 16.8/15

+ sign 1176.302 ± 267.713 χ^2/NDF : 78.3/34

All: 717.954 ± 189.694 χ^2/NDF : 112.1/69

- sign 255.789 ± 268.825 χ^2/NDF : 27.8/34

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1125.981+/-0.220 χ^2/NDF : 647530.0/17

Right Out: 1224.429+/-0.343 χ^2/NDF : 1345748.2/18

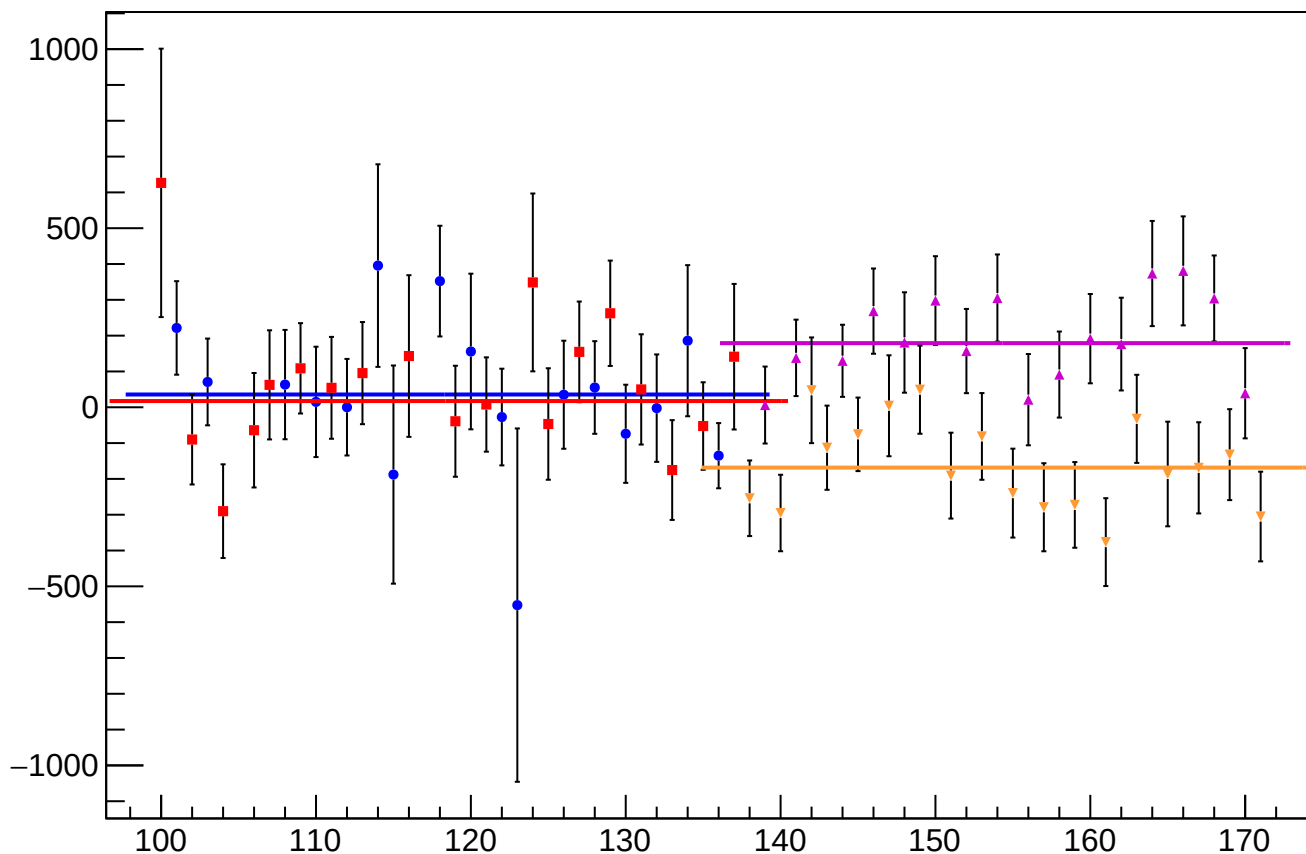
Left In: 1128.969+/-0.228 χ^2/NDF : 494796.2/15

+ sign 1168.920+/-0.189 χ^2/NDF : 1952094.5/34

All: 1163.652+/-0.134 χ^2/NDF : 3847914.2/69

- sign 1158.340+/-0.190 χ^2/NDF : 1894264.2/34

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679 ± 36.350 χ^2/NDF : 15.3/16

Left Out: -168.452 ± 28.713 χ^2/NDF : 17.7/17

Right Out: 17.418 ± 34.691 χ^2/NDF : 18.9/18

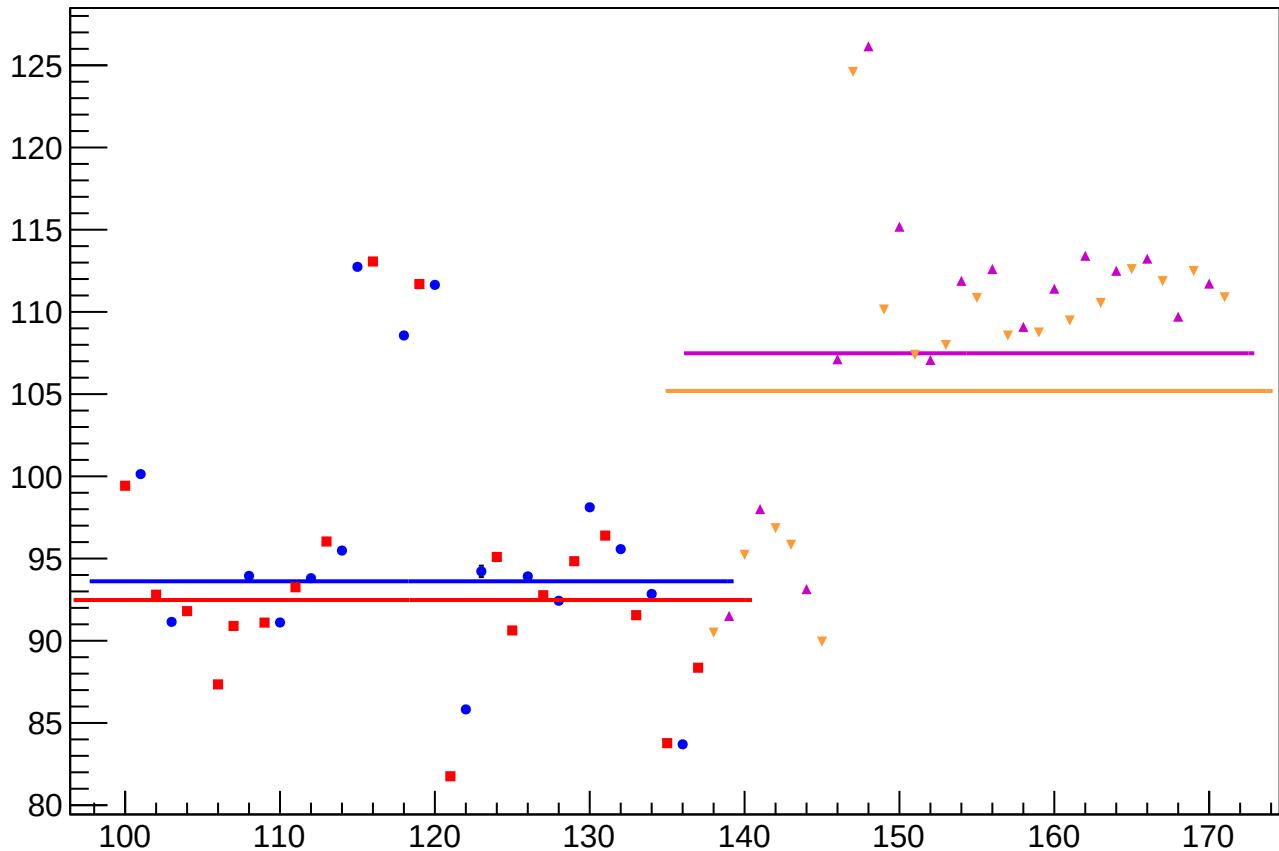
Left In: 179.086 ± 30.480 χ^2/NDF : 13.5/15

+ sign -90.021 ± 22.532 χ^2/NDF : 52.4/34

All: 7.717 ± 16.060 χ^2/NDF : 135.3/69

- sign 108.653 ± 22.898 χ^2/NDF : 44.6/34

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 105.191+/-0.020 χ^2/NDF : 197346.2/17

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

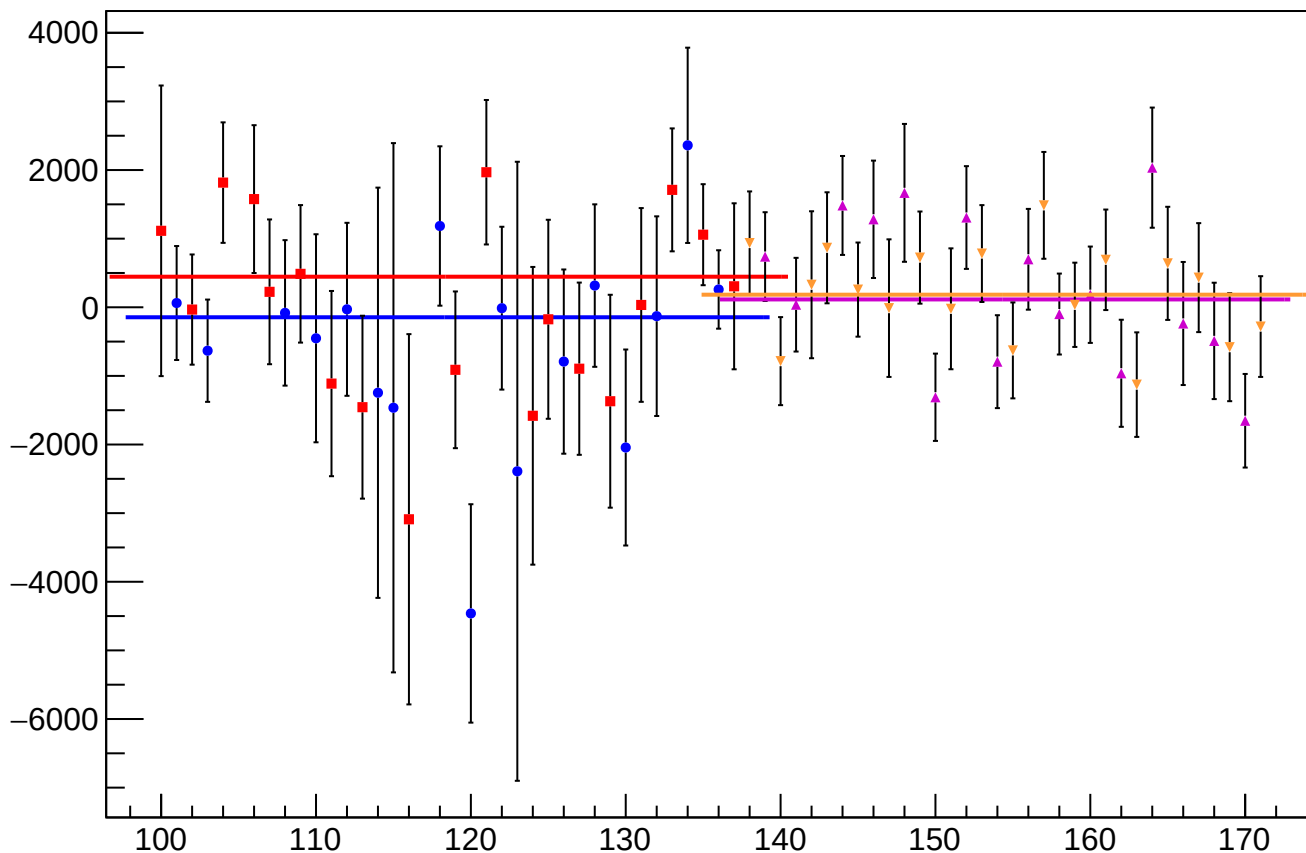
Left In: 107.483+/-0.022 χ^2/NDF : 164389.9/15

+ sign 100.744+/-0.016 χ^2/NDF : 402161.9/34

All: 100.843+/-0.011 χ^2/NDF : 856408.2/69

- sign 100.946+/-0.016 χ^2/NDF : 454167.5/34

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464+/-276.629 χ^2 /NDF: 15.5/16

Left Out: 183.540+/-177.614 χ^2 /NDF:14.9/17

Right Out: 445.575+/-260.276 χ^2 /NDF: 19.0/18

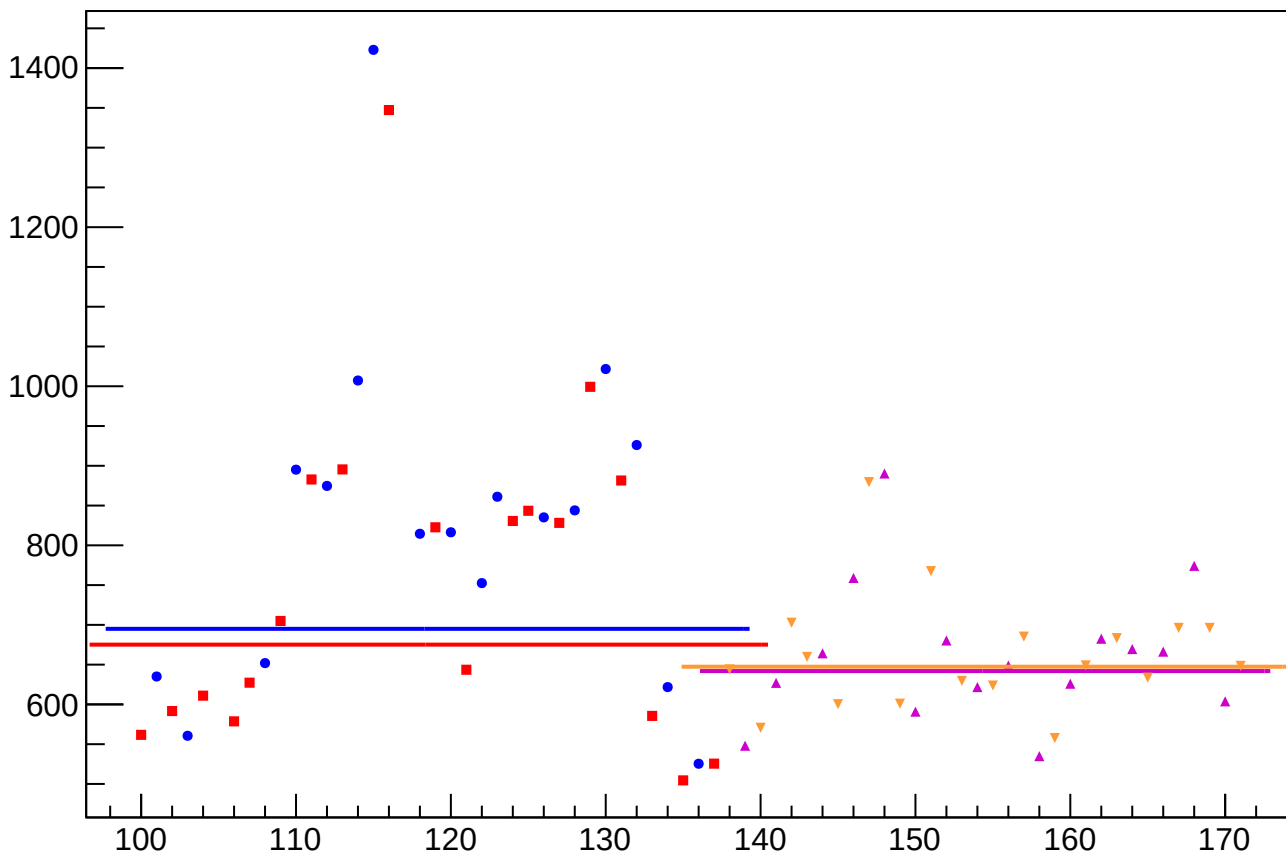
Left In: 114.196+/-183.358 χ^2 /NDF:33.0/15

+ sign 87.501+/-149.459 χ^2 /NDF: 31.4/34

All: 155.604+/-105.838 χ^2 /NDF: 84.9/69

- sign 224.107+/-149.897 χ^2 /NDF: 53.1/34

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 647.404 $\pm$ 0.126 χ^2 /NDF:269137.6/17

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

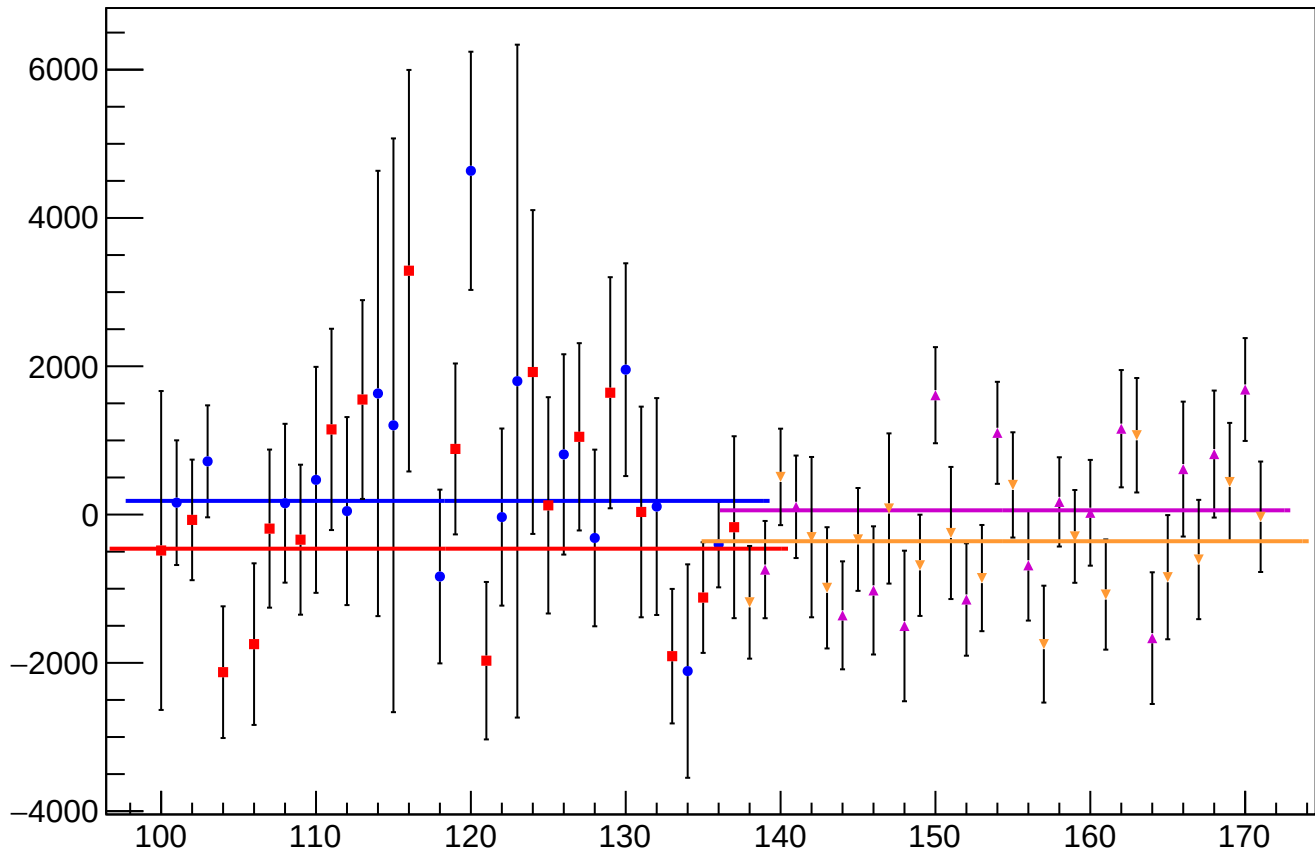
Left In: 641.918 $\pm$ 0.130 χ^2 /NDF:355462.5/15

+ sign 661.302 $\pm$ 0.106 χ^2 /NDF: 988799.1/34

All: 657.133 $\pm$ 0.075 χ^2 /NDF: 2045568.1/69

- sign 652.940 $\pm$ 0.106 χ^2 /NDF: 1053648.4/34

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -359.511 ± 180.066 χ^2/NDF : 14.7/17

Right Out: -460.174 ± 262.960 χ^2/NDF : 22.3/18

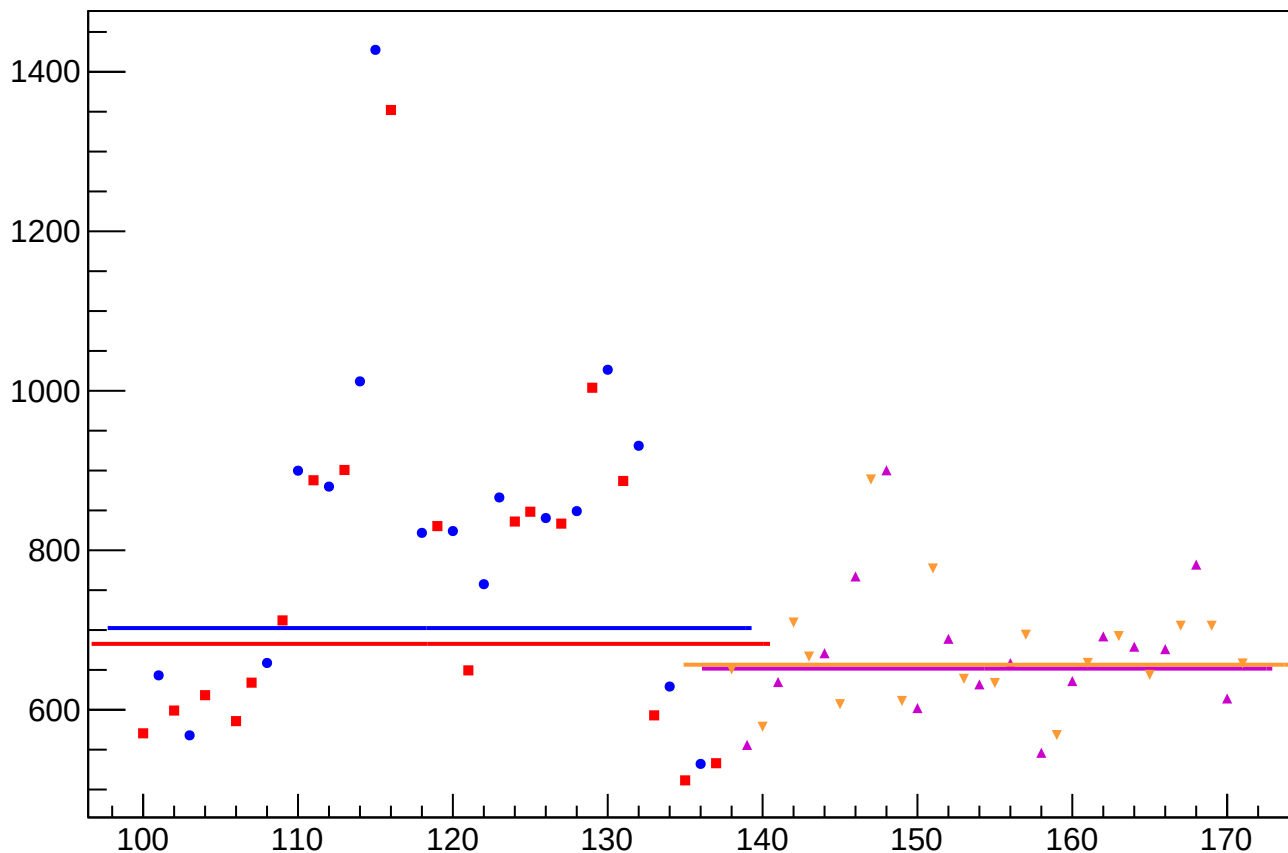
Left In: 57.313 ± 186.056 χ^2/NDF : 33.2/15

+ sign -199.852 ± 151.355 χ^2/NDF : 32.3/34

All: -157.736 ± 107.210 χ^2/NDF : 90.5/69

- sign -115.325 ± 151.883 χ^2/NDF : 58.0/34

asym_sam_15_dd_rms vs Slug



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 656.547 $\pm$ 0.127 χ^2 /NDF: 262110.4/17

Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

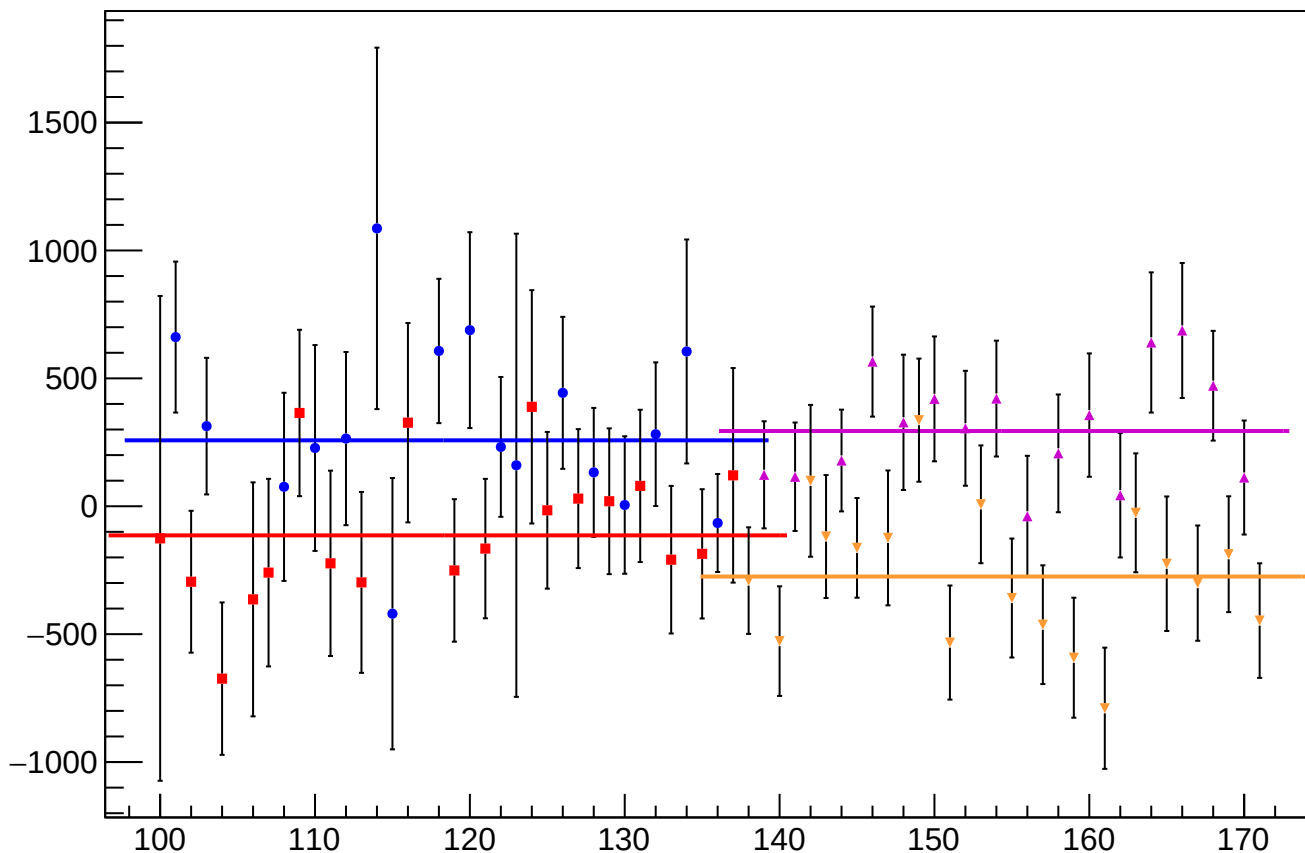
Left In: 651.627 $\pm$ 0.132 χ^2 /NDF: 342412.7/15

+ sign 670.024 $\pm$ 0.107 χ^2 /NDF: 960811.3/34

All: 666.016 $\pm$ 0.076 χ^2 /NDF: 1984123.8/69

- sign 661.980 $\pm$ 0.107 χ^2 /NDF: 1020498.4/34

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -274.683 $\pm$ 54.593 χ^2 /NDF:22.6/17

Right Out: -113.851 $\pm$ 74.211 χ^2 /NDF: 11.2/18

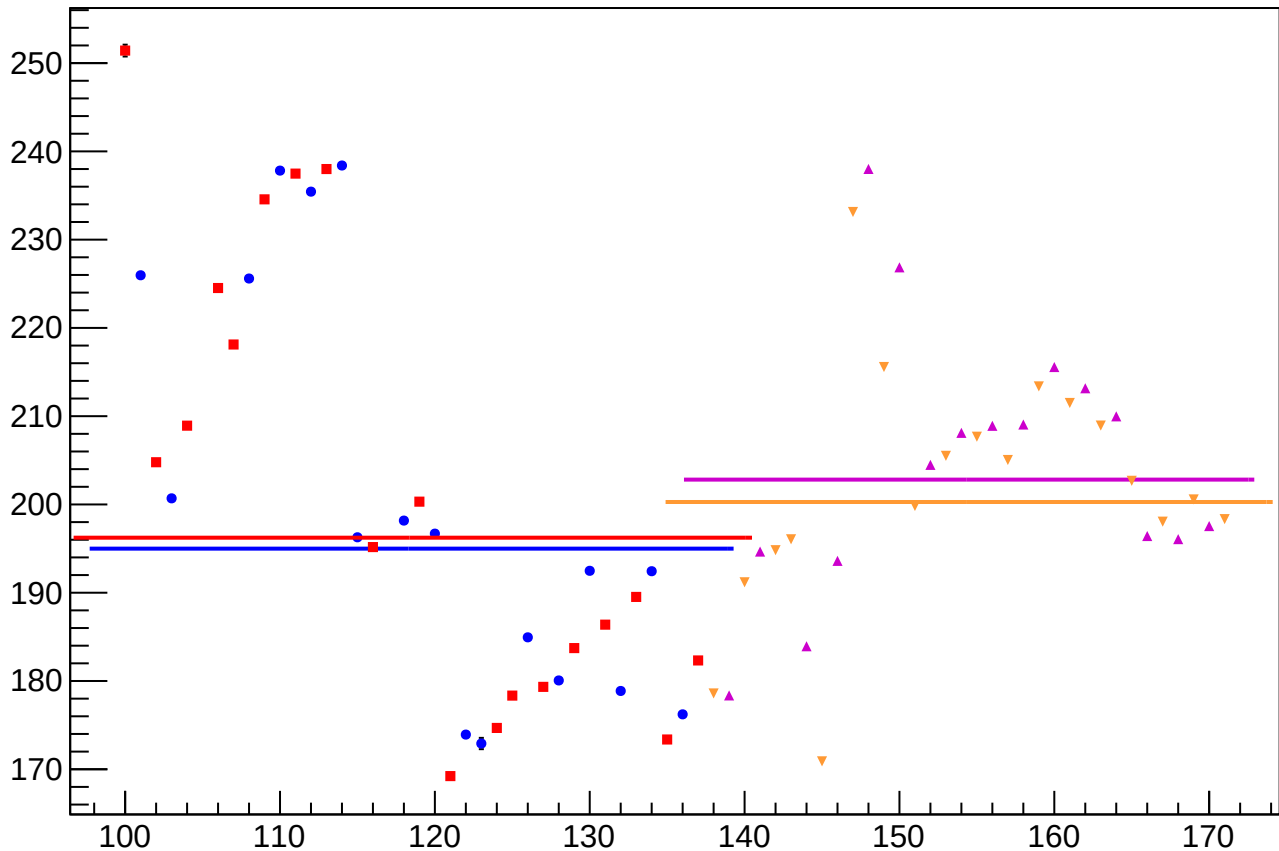
Left In: 294.134 $\pm$ 57.471 χ^2 /NDF:12.3/15

+ sign -93.252 $\pm$ 44.326 χ^2 /NDF: 68.0/34

All: 21.058 $\pm$ 31.729 χ^2 /NDF: 124.2/69

- sign 141.181 $\pm$ 45.439 χ^2 /NDF: 42.5/34

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 200.279 $\pm$ 0.039 χ^2 /NDF:129079.1/17

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

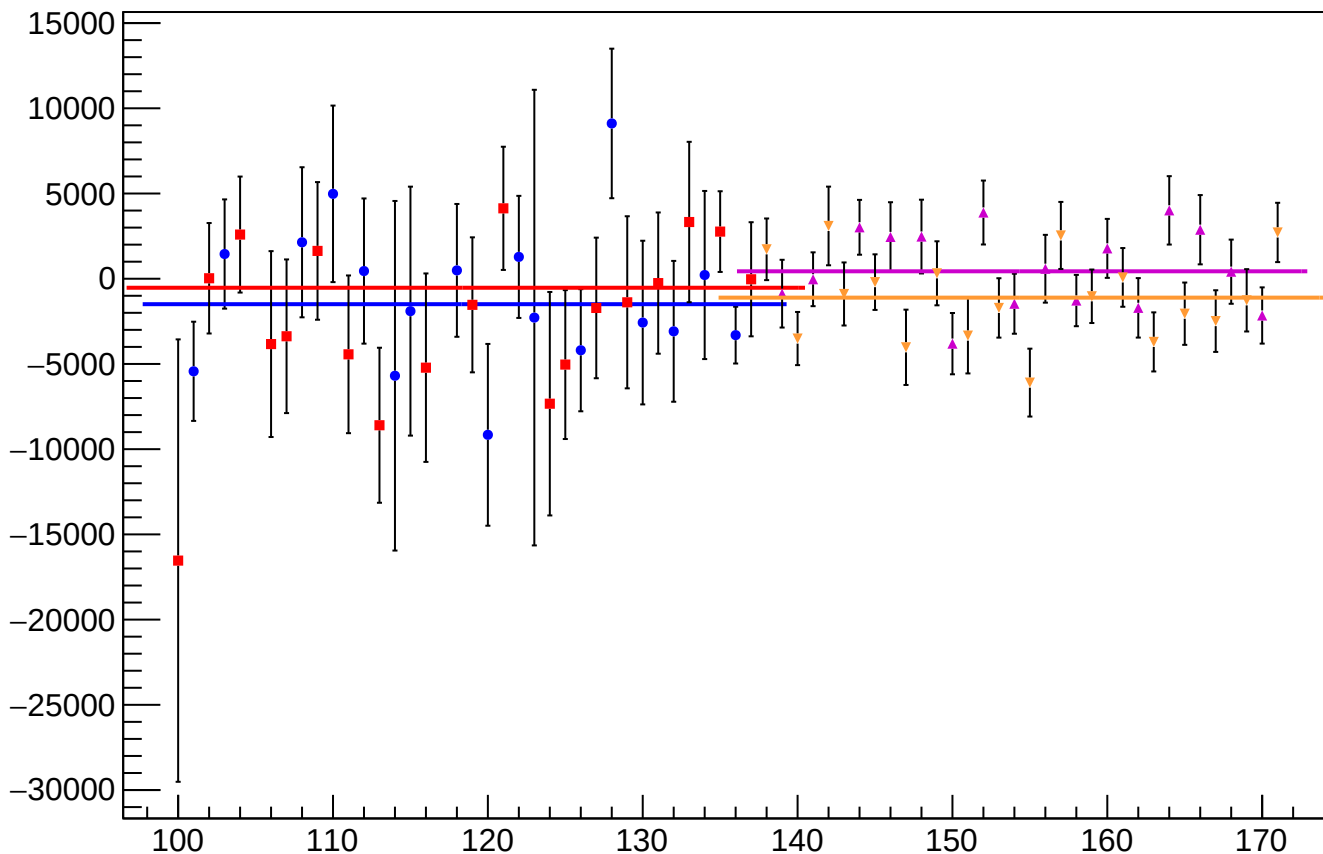
Left In: 202.814 $\pm$ 0.041 χ^2 /NDF:125615.2/15

+ sign 198.478 $\pm$ 0.031 χ^2 /NDF: 279736.6/34

All: 199.390 $\pm$ 0.022 χ^2 /NDF: 590405.1/69

- sign 200.348 $\pm$ 0.032 χ^2 /NDF: 308933.6/34

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -1109.207 ± 429.747 χ^2/NDF : 30.0/17

Right Out: -528.758 ± 934.718 χ^2/NDF : 14.6/18

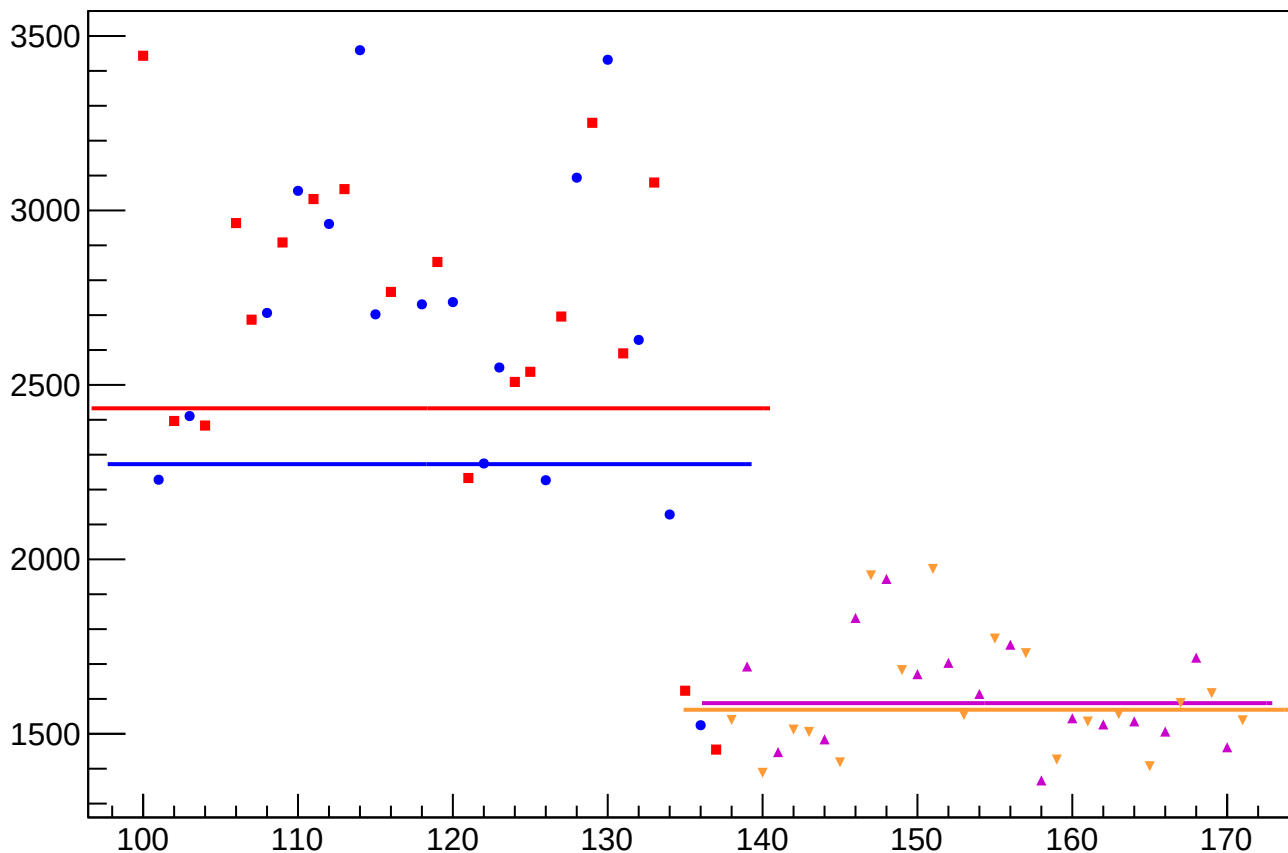
Left In: 435.938 ± 451.394 χ^2/NDF : 25.6/15

+ sign -1179.139 ± 388.659 χ^2/NDF : 46.3/34

All: -494.906 ± 280.912 χ^2/NDF : 93.9/69

- sign 253.505 ± 406.478 χ^2/NDF : 41.1/34

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883 +/- 0.644 χ^2/NDF : 805650.3/16

Left Out: 1568.960 +/- 0.304 χ^2/NDF : 252381.9/17

Right Out: 2432.950 +/- 0.661 χ^2/NDF : 680783.9/18

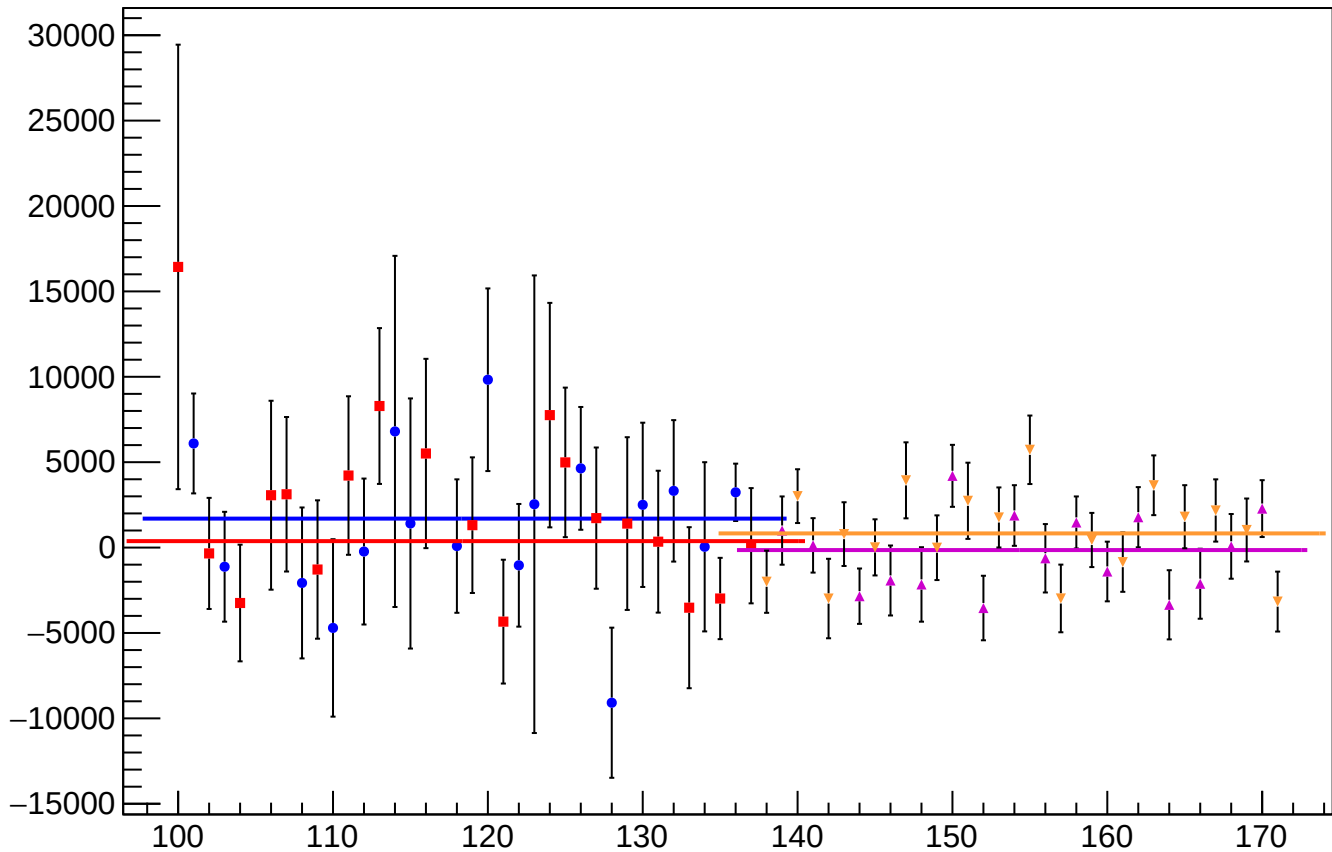
Left In: 1587.911 +/- 0.319 χ^2/NDF : 211988.8/15

+ sign 1697.130 +/- 0.275 χ^2/NDF : 2035075.1/34

All: 1721.290 +/- 0.199 χ^2/NDF : 4269543.9/69

- sign 1747.716 +/- 0.287 χ^2/NDF : 2218287.2/34

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 829.747 $\pm$ 433.374 χ^2 /NDF: 29.7/17

Right Out: 377.629 $\pm$ 938.528 χ^2 /NDF: 15.0/18

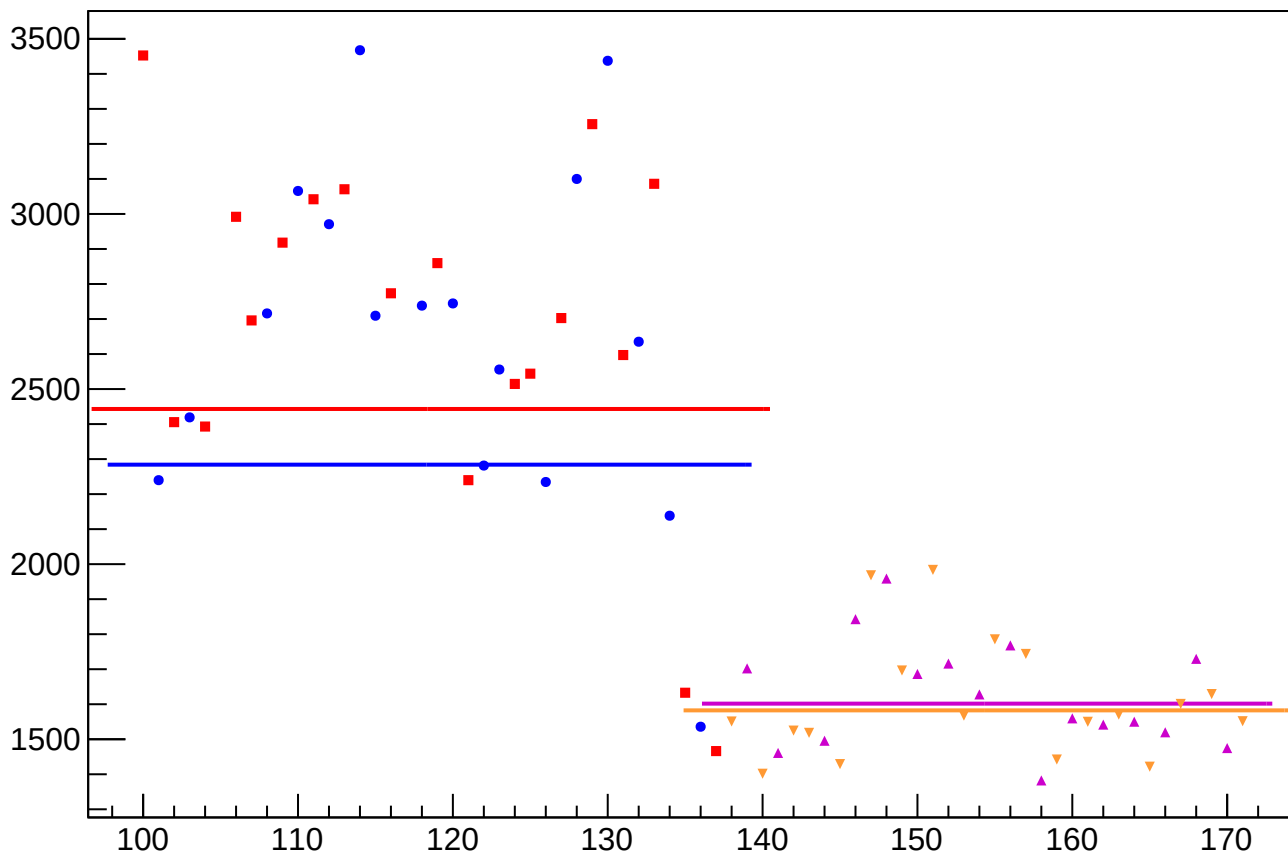
Left In: -145.582 $\pm$ 455.241 χ^2 /NDF: 23.5/15

+ sign 988.500 $\pm$ 391.653 χ^2 /NDF: 47.0/34

All: 494.442 $\pm$ 283.072 χ^2 /NDF: 89.0/69

- sign -45.927 $\pm$ 409.598 χ^2 /NDF: 38.7/34

asym_sam_26_dd_rms vs Slug



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1582.463 $\pm$ 0.306 χ^2 /NDF: 247601.8/17

Right Out: 2443.124 $\pm$ 0.664 χ^2 /NDF: 672899.9/18

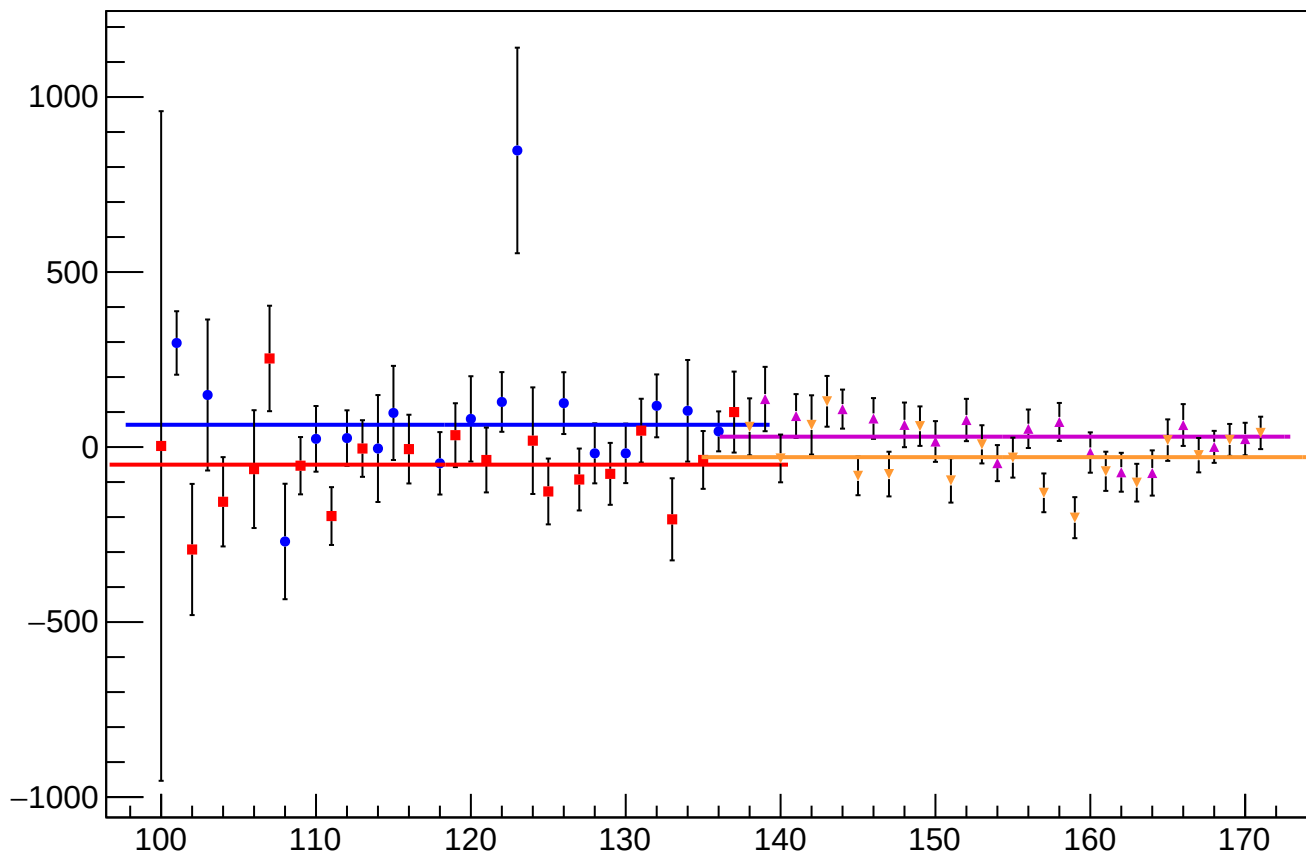
Left In: 1601.703 $\pm$ 0.322 χ^2 /NDF: 206666.4/15

+ sign 1711.054 $\pm$ 0.277 χ^2 /NDF: 2002393.2/34

All: 1735.371 $\pm$ 0.200 χ^2 /NDF: 4199457.7/69

- sign 1761.966 $\pm$ 0.290 χ^2 /NDF: 2180922.8/34

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 +/- 23.743 χ^2/NDF : 23.7/16

Left Out: -28.850 +/- 13.608 χ^2/NDF : 31.2/17

Right Out: -50.278 +/- 23.661 χ^2/NDF : 16.8/18

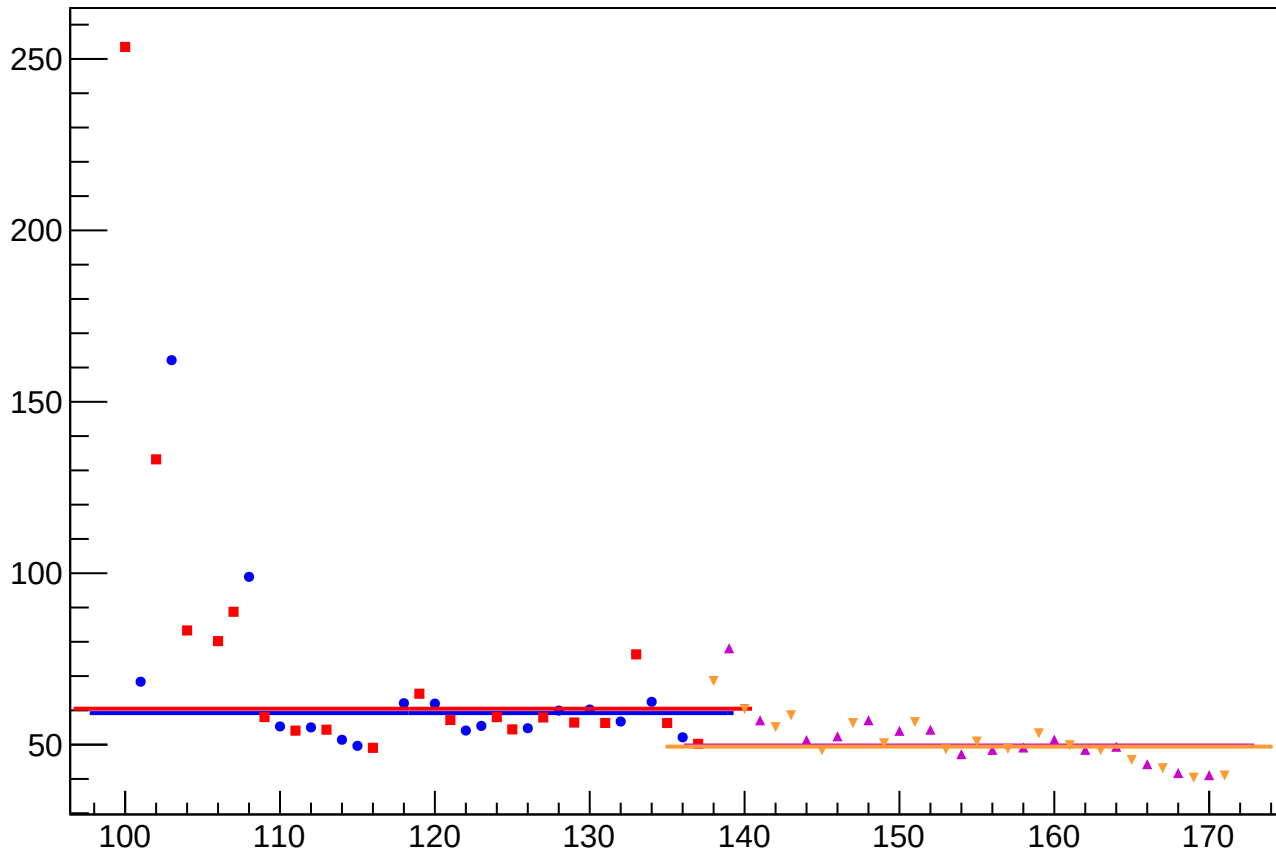
Left In: 29.648 +/- 14.227 χ^2/NDF : 16.2/15

+ sign -5.974 +/- 11.806 χ^2/NDF : 66.3/34

All: 0.994 +/- 8.482 χ^2/NDF : 108.4/69

- sign 8.425 +/- 12.192 χ^2/NDF : 41.4/34

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 49.432 $\pm$ 0.010 χ^2 /NDF: 451373.9/17

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

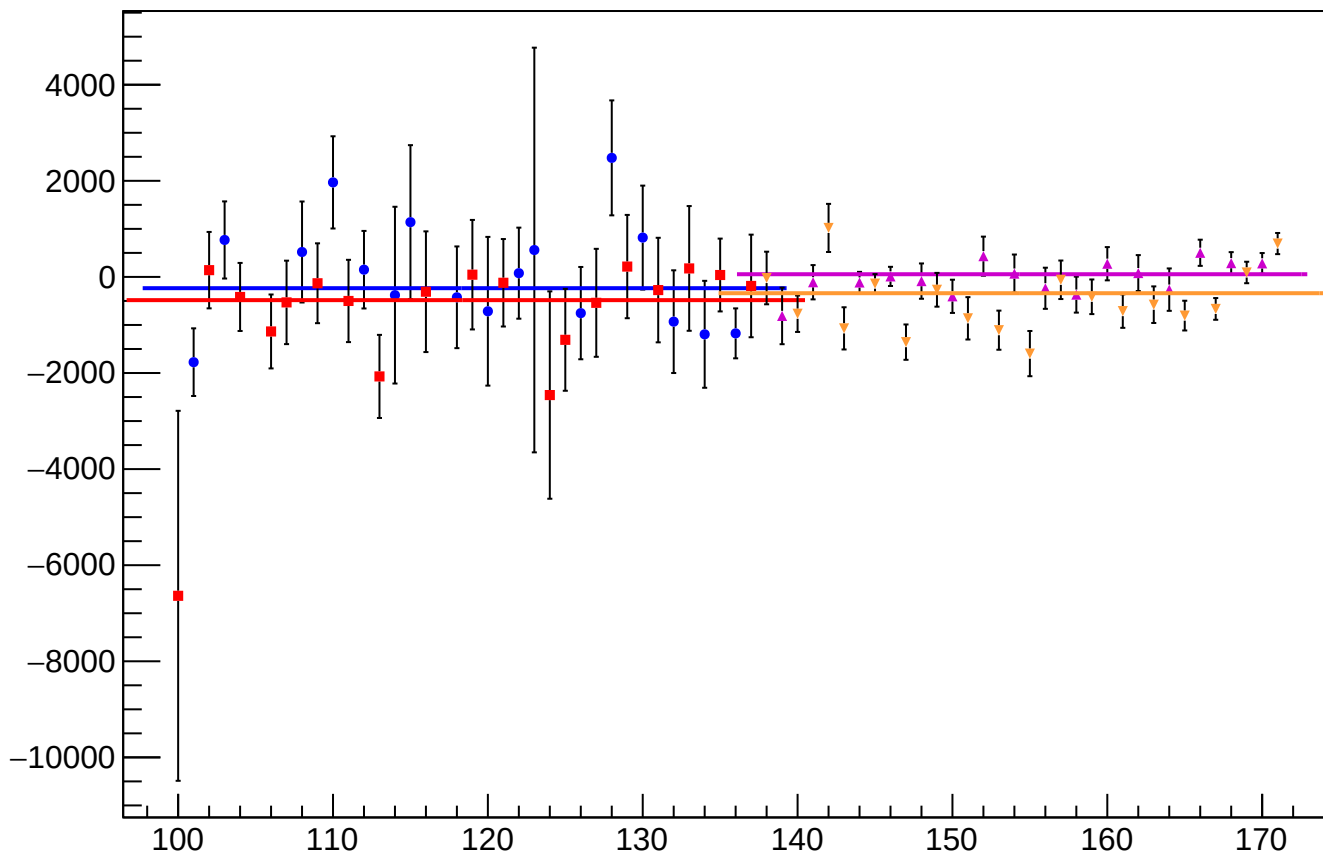
Left In: 49.749 $\pm$ 0.010 χ^2 /NDF: 429373.1/15

+ sign 51.847 $\pm$ 0.008 χ^2 /NDF: 1371697.7/34

All: 52.211 $\pm$ 0.006 χ^2 /NDF: 2787364.7/69

- sign 52.599 $\pm$ 0.009 χ^2 /NDF: 1411738.0/34

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -339.006 ± 75.405 χ^2/NDF : 64.8/17

Right Out: -483.305 ± 222.314 χ^2/NDF : 10.6/18

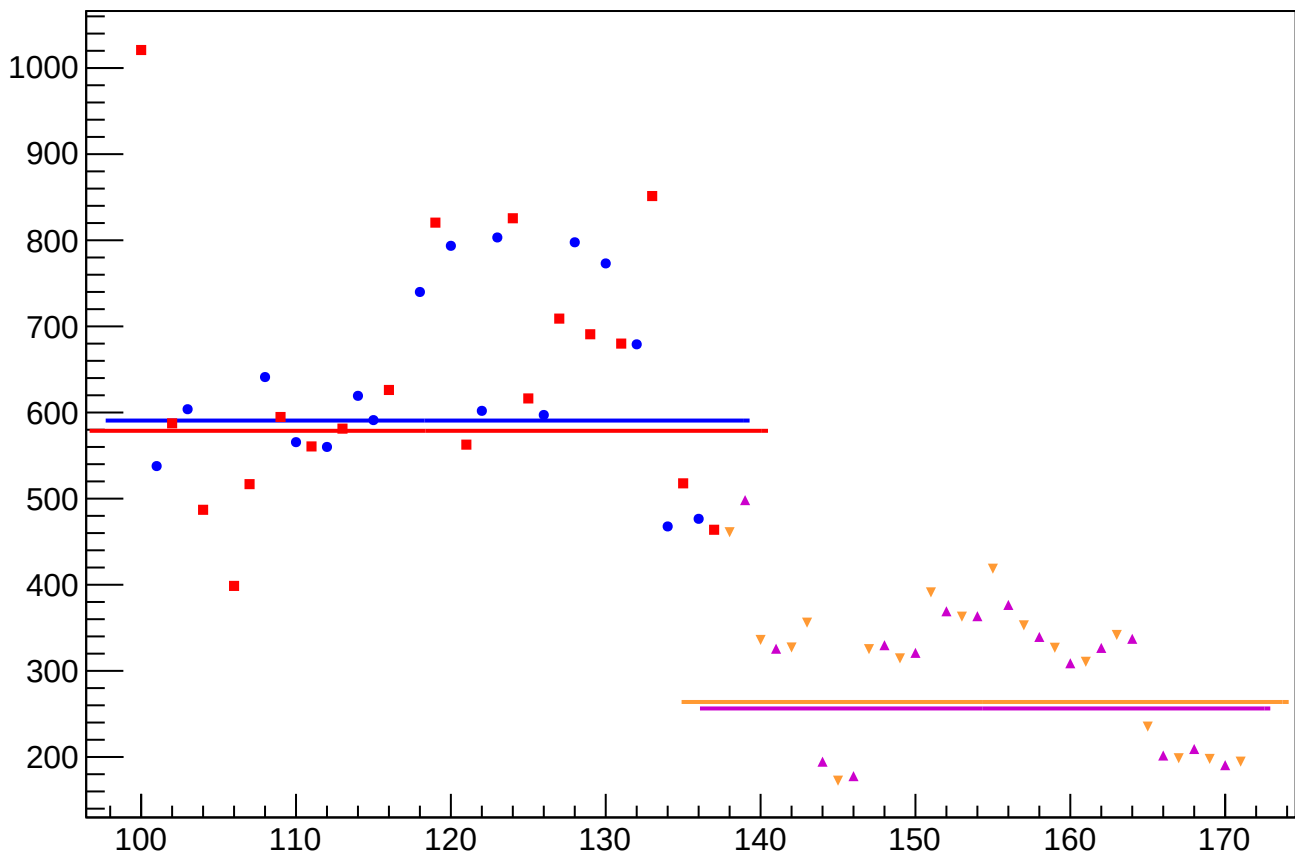
Left In: 55.977 ± 76.267 χ^2/NDF : 13.3/15

+ sign -329.165 ± 71.768 χ^2/NDF : 89.1/34

All: -165.836 ± 50.878 χ^2/NDF : 128.7/69

- sign -0.808 ± 72.140 χ^2/NDF : 29.1/34

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 263.881 $\pm$ 0.053 χ^2 /NDF: 2312180.6/17

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

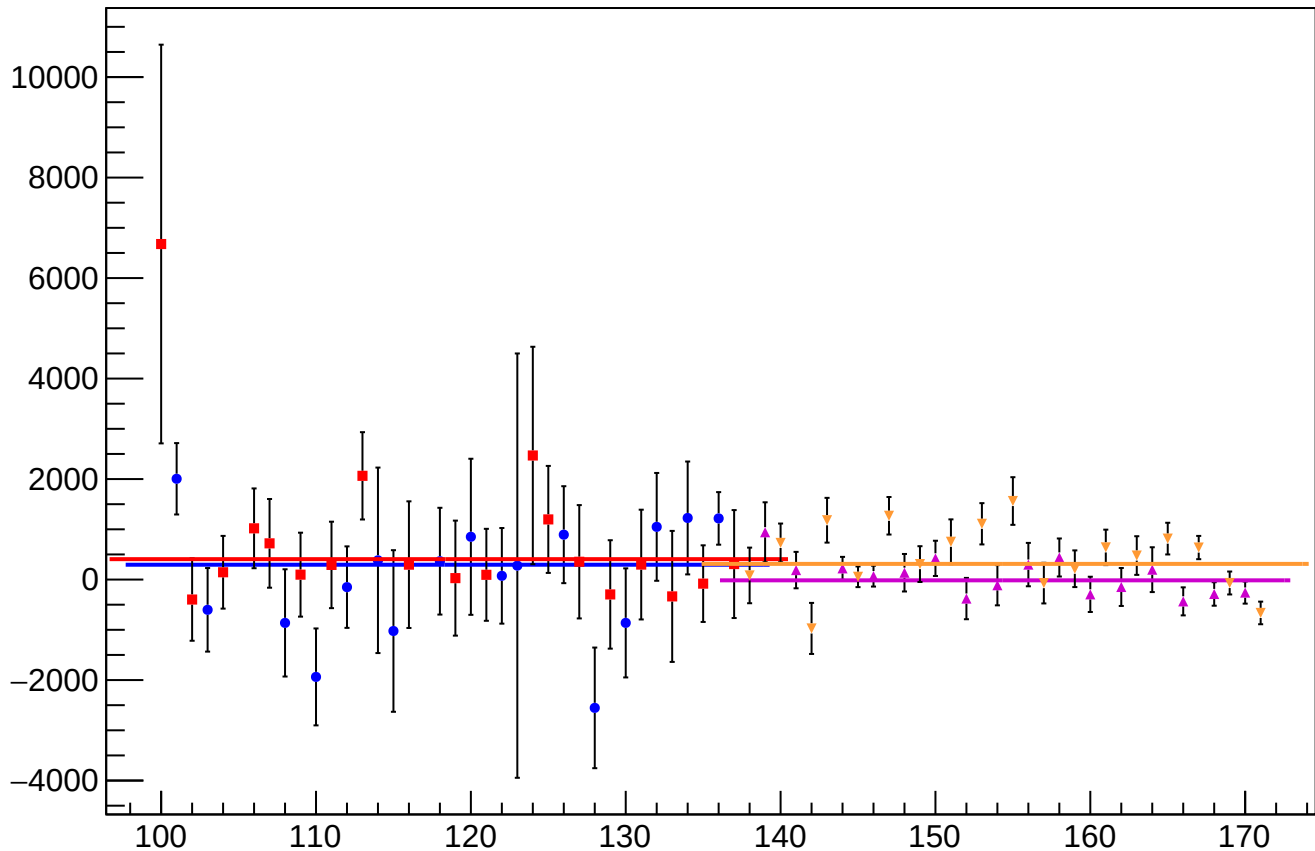
Left In: 256.342 $\pm$ 0.054 χ^2 /NDF: 2122438.5/15

+ sign 294.651 $\pm$ 0.051 χ^2 /NDF: 6200979.6/34

All: 292.482 $\pm$ 0.036 χ^2 /NDF: 12584580.7/69

- sign 290.291 $\pm$ 0.051 χ^2 /NDF: 6379929.5/34

asym_sam_37_dd_mean vs Slug



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 311.864 $\pm$ 76.903 χ^2 /NDF:59.5/17

Right Out: 406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

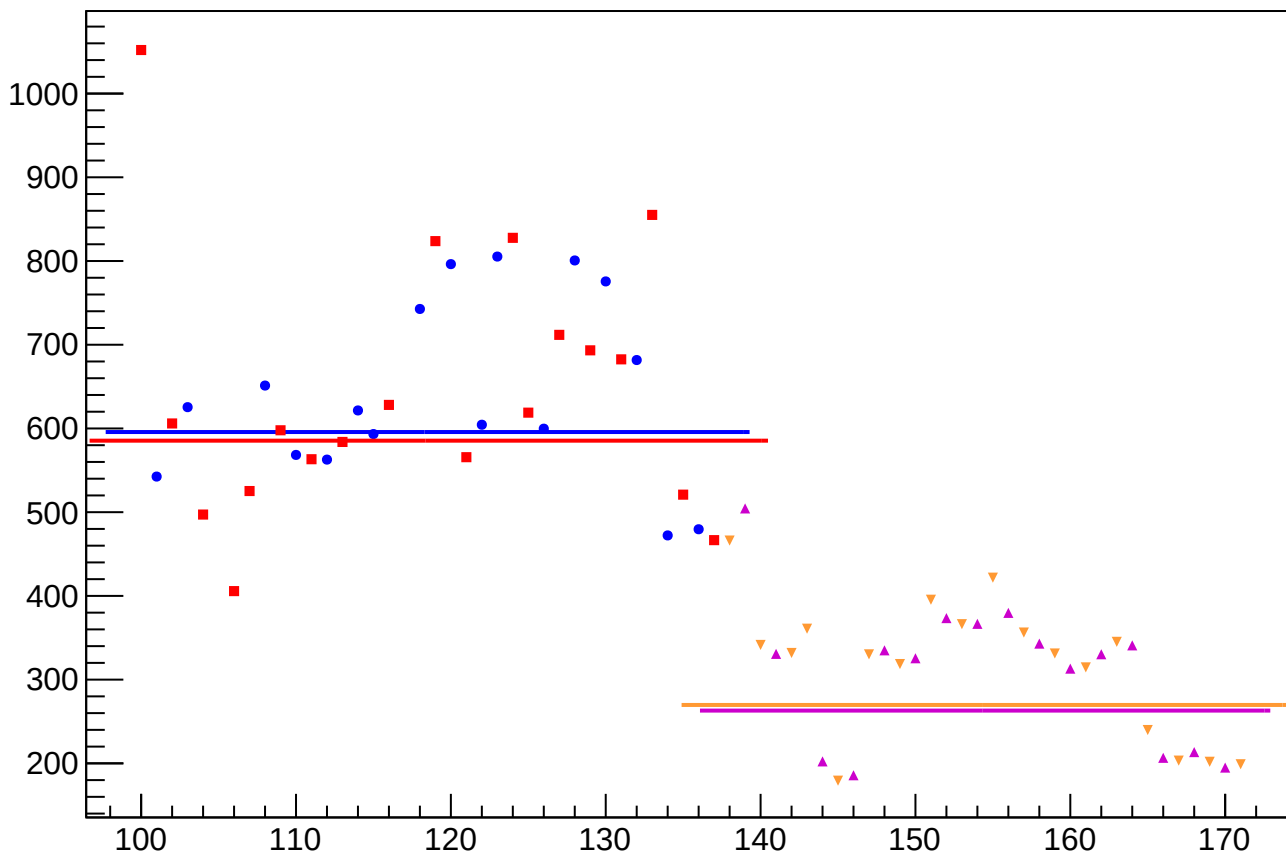
Left In: -15.363 $\pm$ 78.005 χ^2 /NDF:14.5/15

+ sign 310.282 $\pm$ 73.115 χ^2 /NDF: 85.6/34

All: 171.210 $\pm$ 51.904 χ^2 /NDF: 121.5/69

- sign 29.917 $\pm$ 73.696 χ^2 /NDF: 28.6/34

asym_sam_37_dd_rms vs Slug



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 269.752 $\pm$ 0.054 χ^2 /NDF:2201575.5/17

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

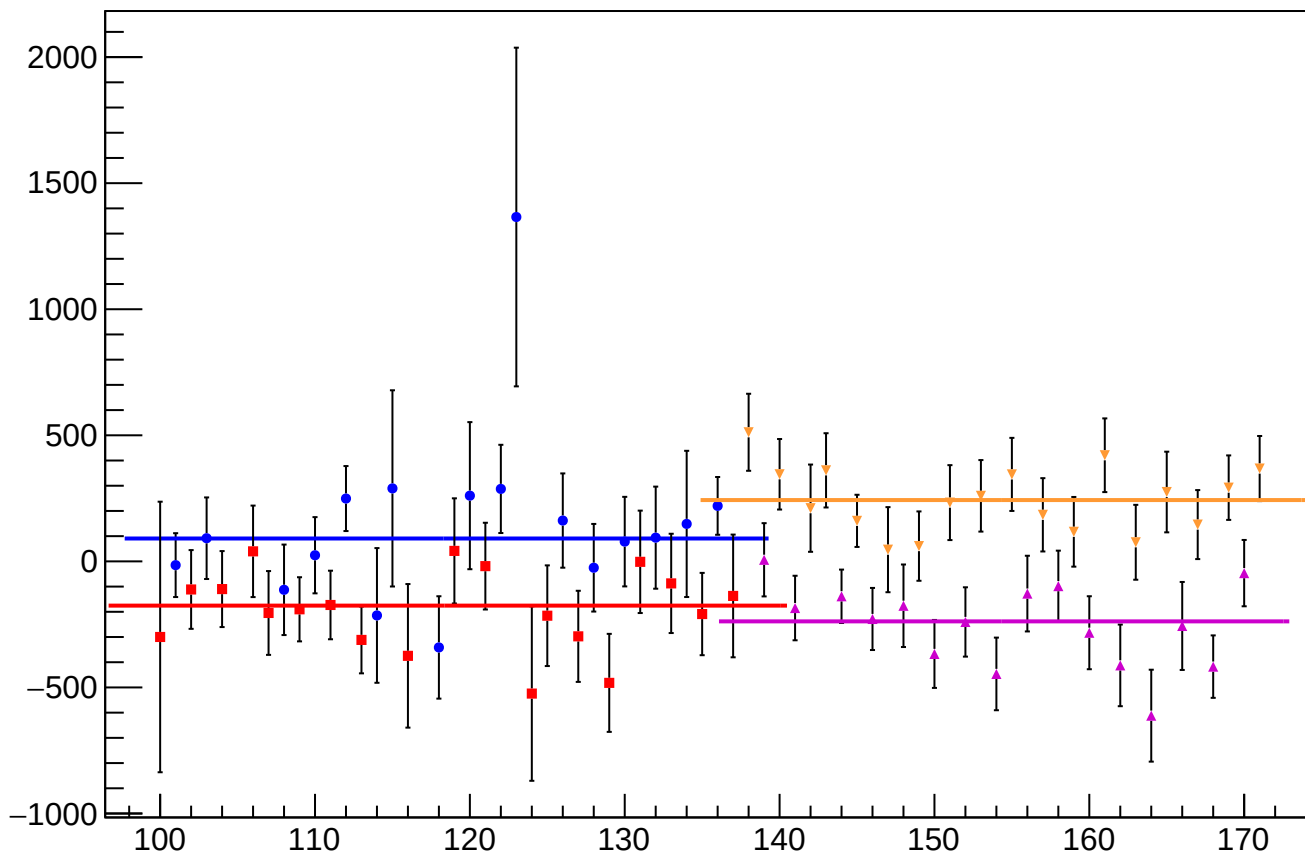
Left In: 263.015 $\pm$ 0.055 χ^2 /NDF:1994085.5/15

+ sign 301.077 $\pm$ 0.052 χ^2 /NDF: 6004888.0/34

All: 299.376 $\pm$ 0.037 χ^2 /NDF: 12145745.8/69

- sign 297.648 $\pm$ 0.052 χ^2 /NDF: 6138675.3/34

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711 ± 43.312 χ^2/NDF : 16.9/16

Left Out: 243.146 ± 33.278 χ^2/NDF : 14.0/17

Right Out: -175.485 ± 41.101 χ^2/NDF : 10.3/18

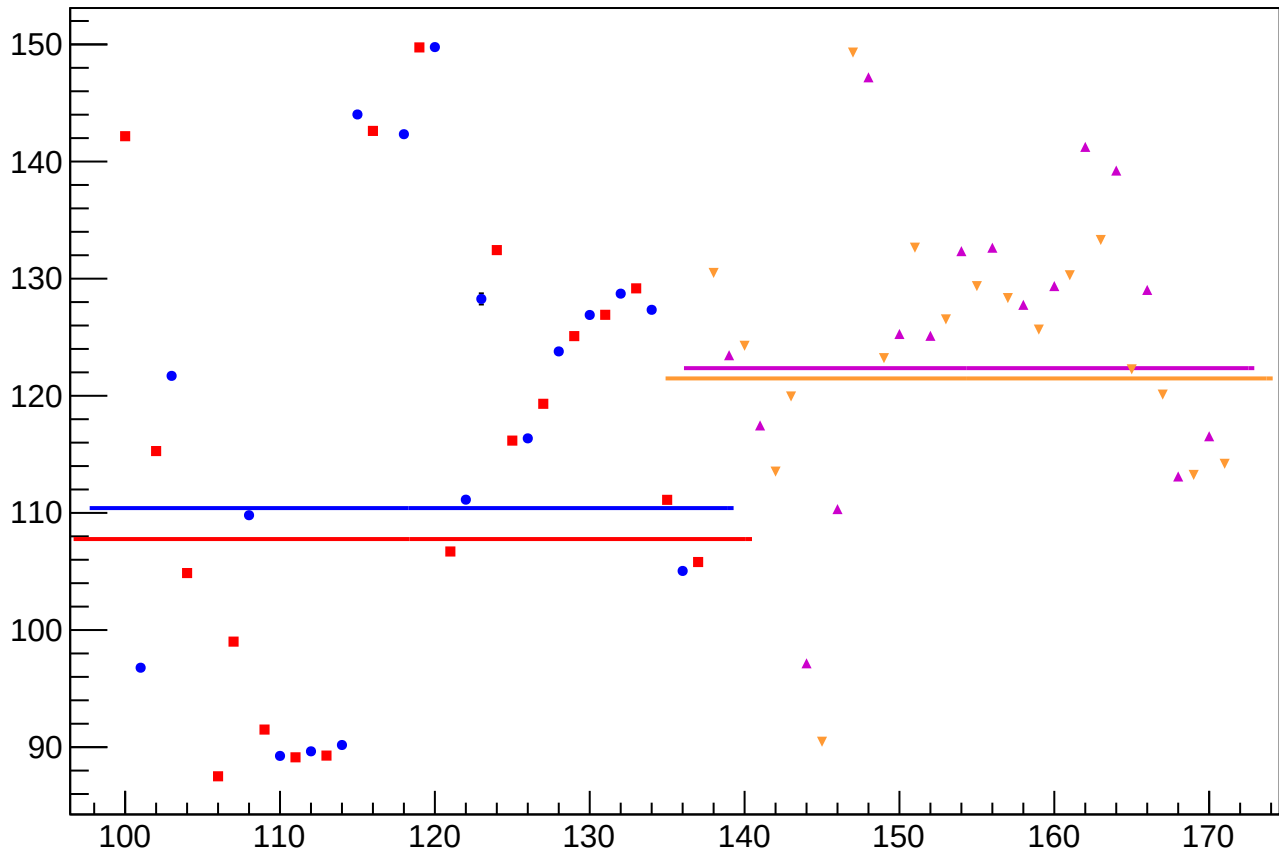
Left In: -237.992 ± 34.840 χ^2/NDF : 18.3/15

+ sign 186.562 ± 26.388 χ^2/NDF : 38.6/34

All: -11.232 ± 18.726 χ^2/NDF : 181.7/69

- sign -211.857 ± 26.577 χ^2/NDF : 29.9/34

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 121.482 $\pm$ 0.024 χ^2 /NDF:307524.9/17

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

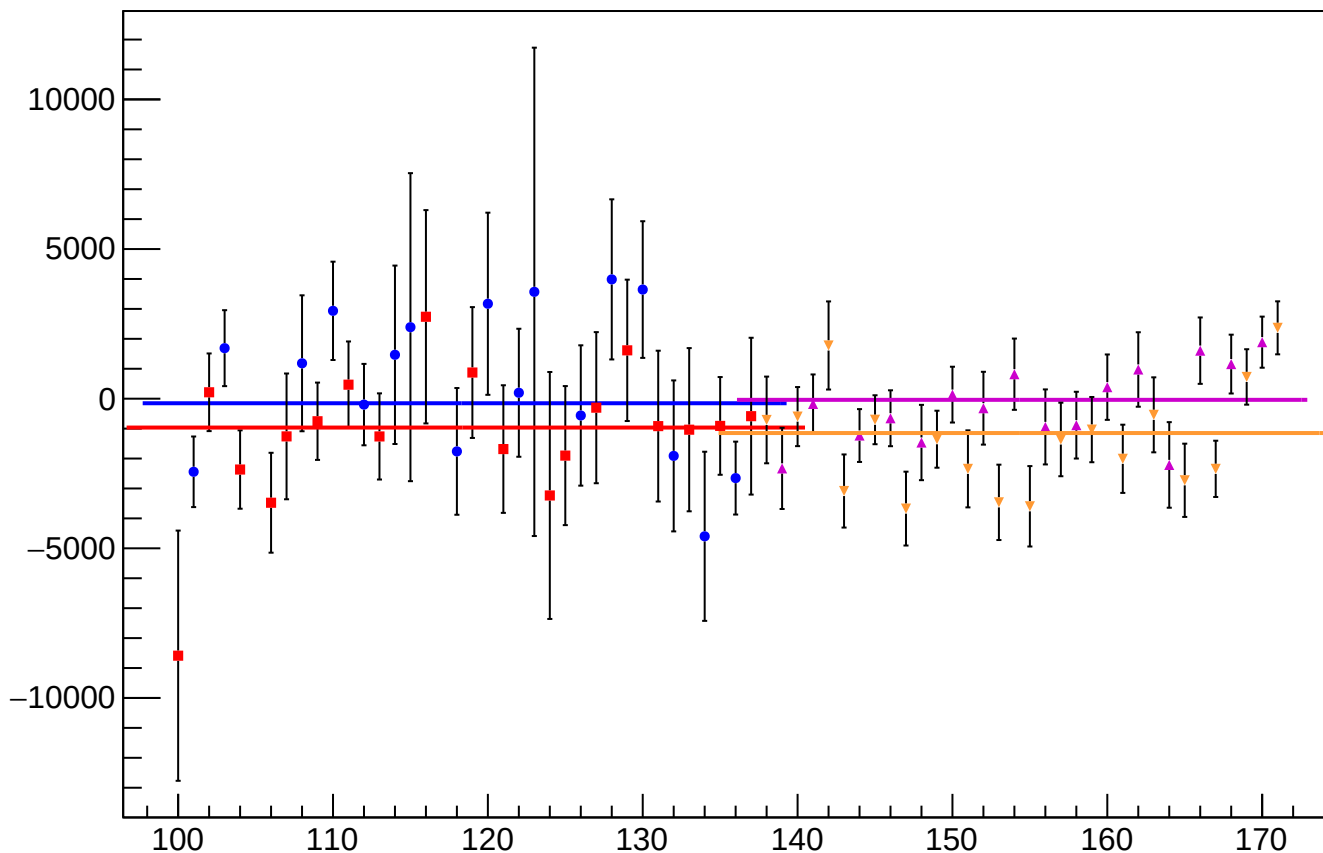
Left In: 122.359 $\pm$ 0.025 χ^2 /NDF:272236.8/15

+ sign 117.372 $\pm$ 0.019 χ^2 /NDF: 686109.1/34

All: 116.819 $\pm$ 0.013 χ^2 /NDF: 1451236.4/69

- sign 116.258 $\pm$ 0.019 χ^2 /NDF: 763357.6/34

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1147.757 ± 259.681 χ^2/NDF : 43.0/17

Right Out: -964.716 ± 435.111 χ^2/NDF : 12.3/18

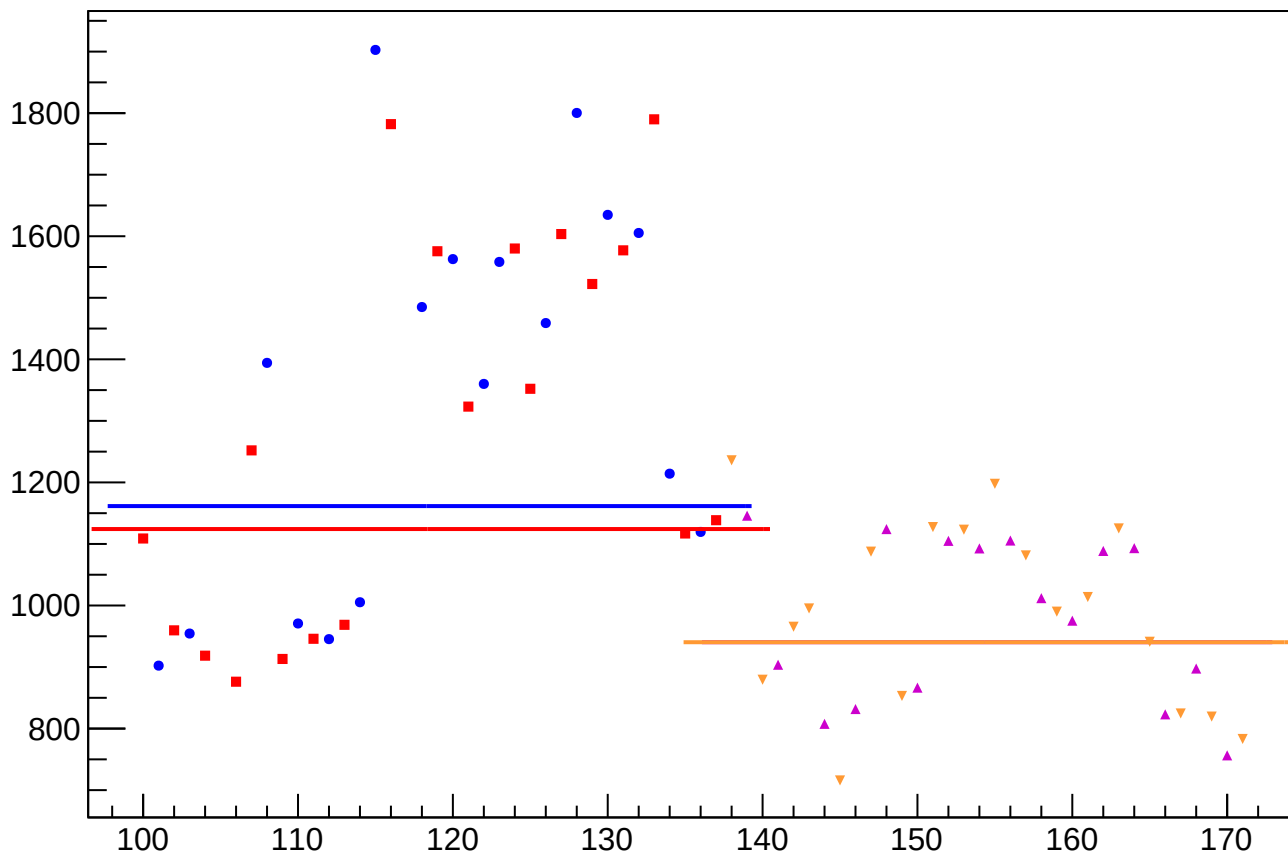
Left In: -38.575 ± 269.191 χ^2/NDF : 20.0/15

+ sign -910.940 ± 226.694 χ^2/NDF : 71.1/34

All: -605.951 ± 161.079 χ^2/NDF : 110.3/69

- sign -294.936 ± 228.922 χ^2/NDF : 35.6/34

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 940.333+/-0.184 χ^2/NDF : 659329.0/17

Right Out: 1124.235+/-0.308 χ^2/NDF : 767790.0/18

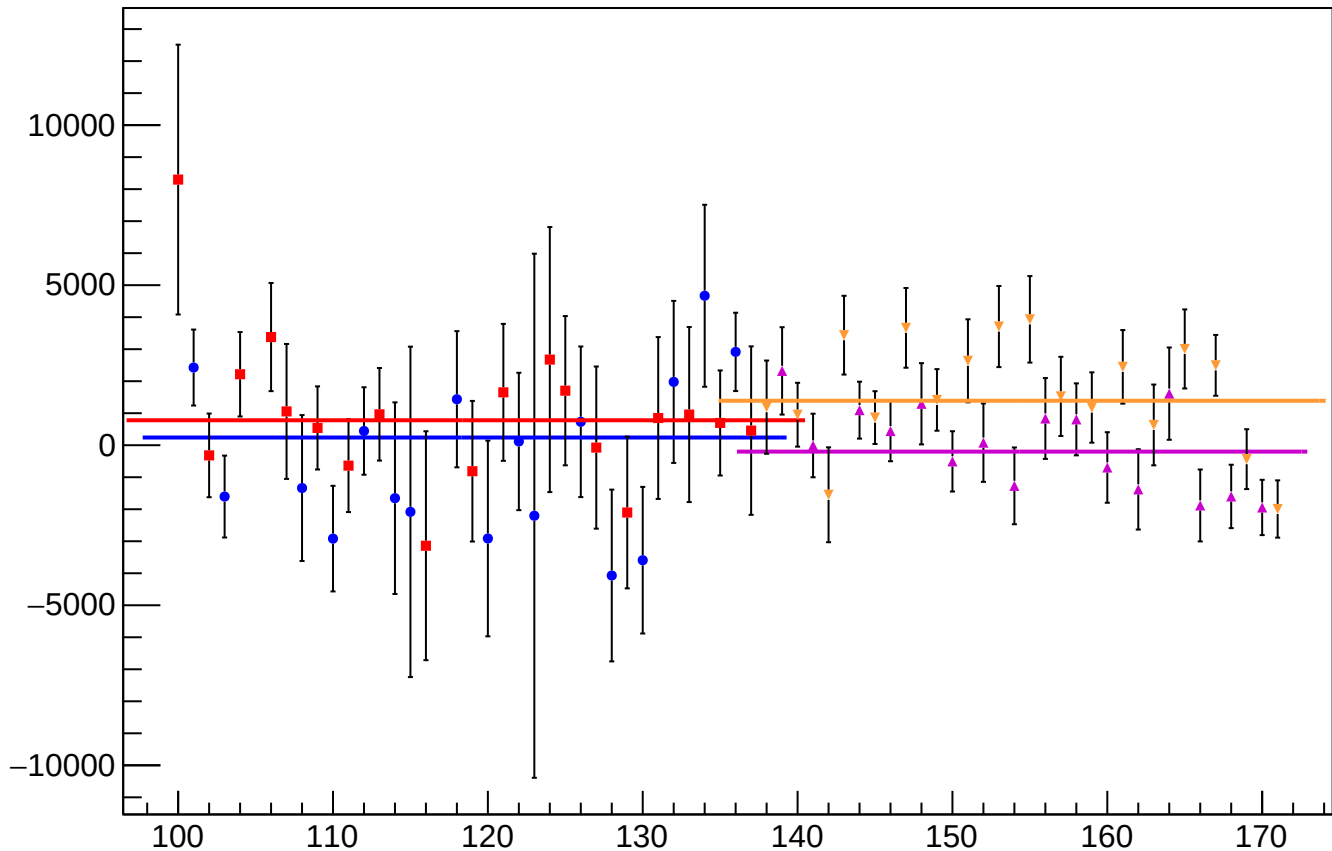
Left In: 940.364+/-0.190 χ^2/NDF : 460679.9/15

+ sign 992.961+/-0.160 χ^2/NDF : 1700495.3/34

All: 992.119+/-0.114 χ^2/NDF : 3187311.5/69

- sign 991.260+/-0.162 χ^2/NDF : 1486760.5/34

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1389.374 $\pm$ 261.929 χ^2 /NDF:40.9/17

Right Out: 779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

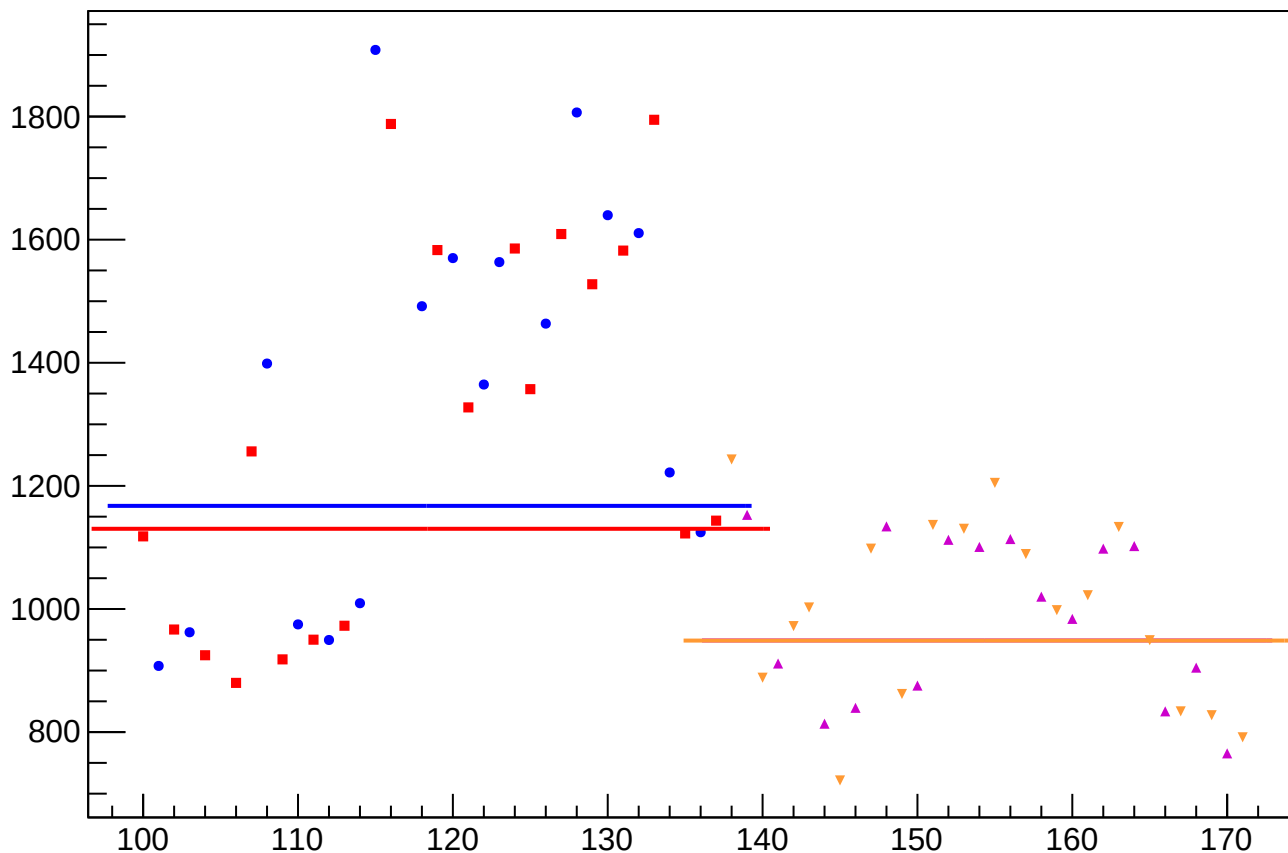
Left In: -199.864 $\pm$ 271.569 χ^2 /NDF:20.8/15

+ sign 1114.534 $\pm$ 228.454 χ^2 /NDF: 70.3/34

All: 598.662 $\pm$ 162.340 χ^2 /NDF: 117.4/69

- sign 72.459 $\pm$ 230.730 χ^2 /NDF: 36.8/34

asym_sam_48_dd_rms vs Slug



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 948.696 $\pm$ 0.185 χ^2 /NDF: 650597.8/17

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

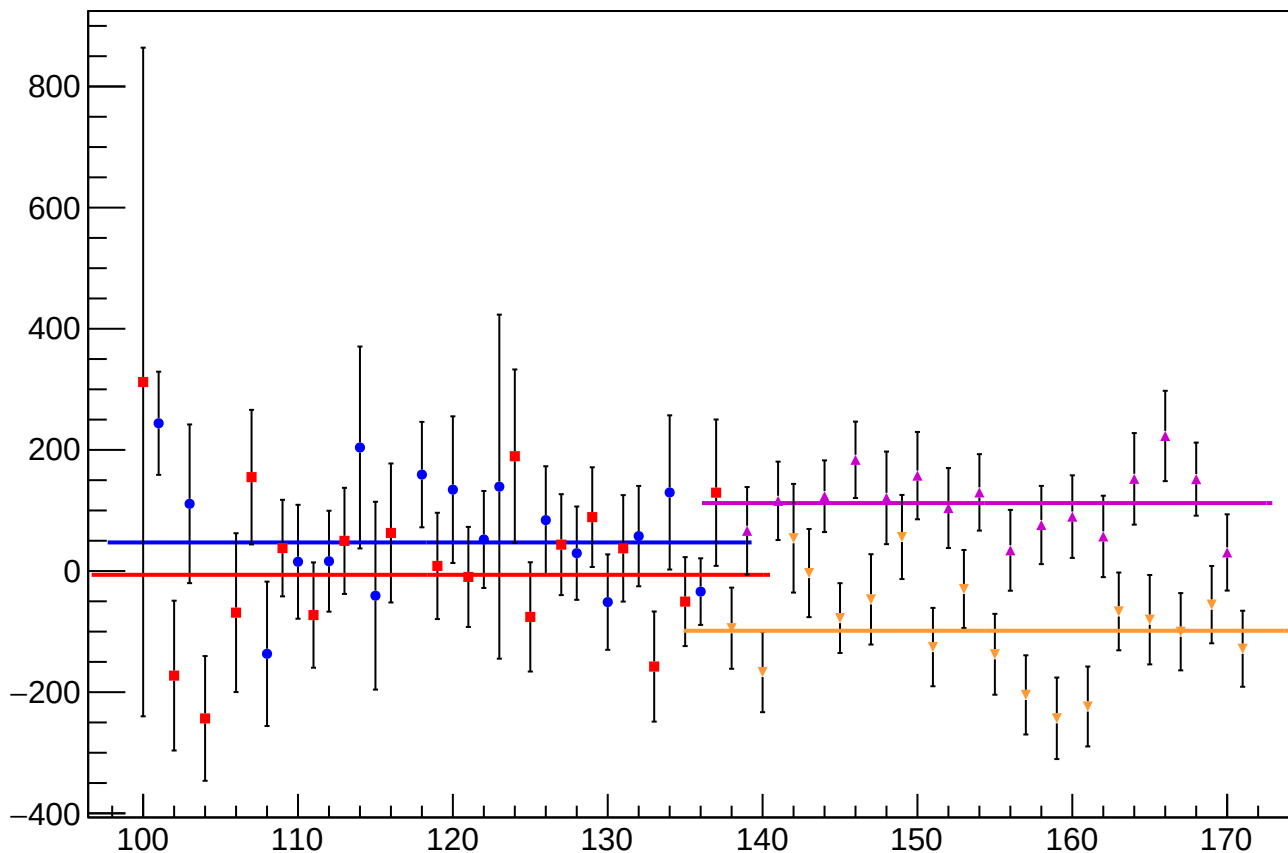
Left In: 948.867 $\pm$ 0.192 χ^2 /NDF: 453418.9/15

+ sign 1001.059 $\pm$ 0.162 χ^2 /NDF: 1675140.5/34

All: 1000.205 $\pm$ 0.115 χ^2 /NDF: 3138423.4/69

- sign 999.333 $\pm$ 0.163 χ^2 /NDF: 1463226.4/34

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -98.615 $\pm$ 15.789 χ^2 /NDF:24.7/17

Right Out: -6.246 $\pm$ 22.128 χ^2 /NDF: 20.3/18

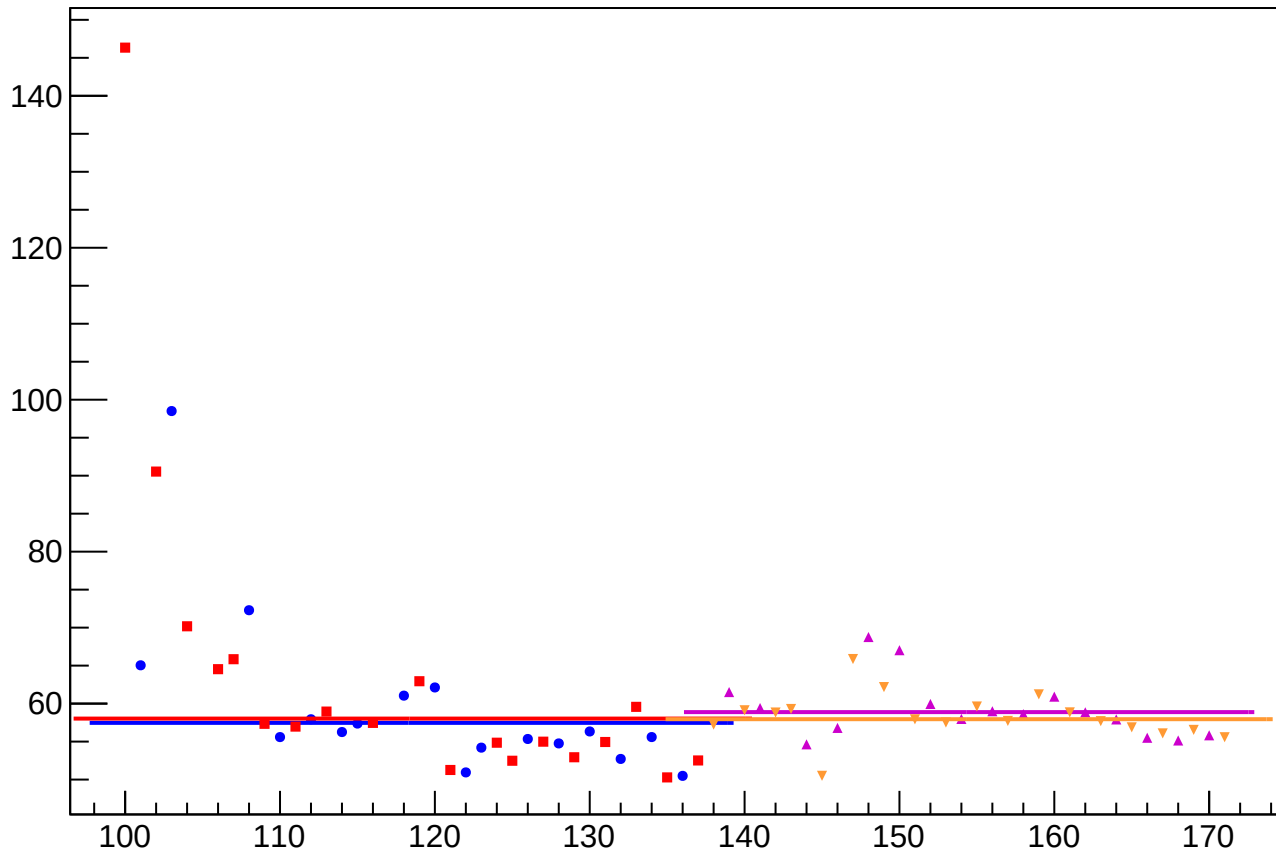
Left In: 112.223 $\pm$ 16.680 χ^2 /NDF:9.3/15

+ sign -50.681 $\pm$ 12.937 χ^2 /NDF: 68.9/34

All: 7.559 $\pm$ 9.280 χ^2 /NDF: 158.5/69

- sign 69.298 $\pm$ 13.319 χ^2 /NDF: 47.8/34

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 57.947 $\pm$ 0.011 χ^2 /NDF: 77591.8/17

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

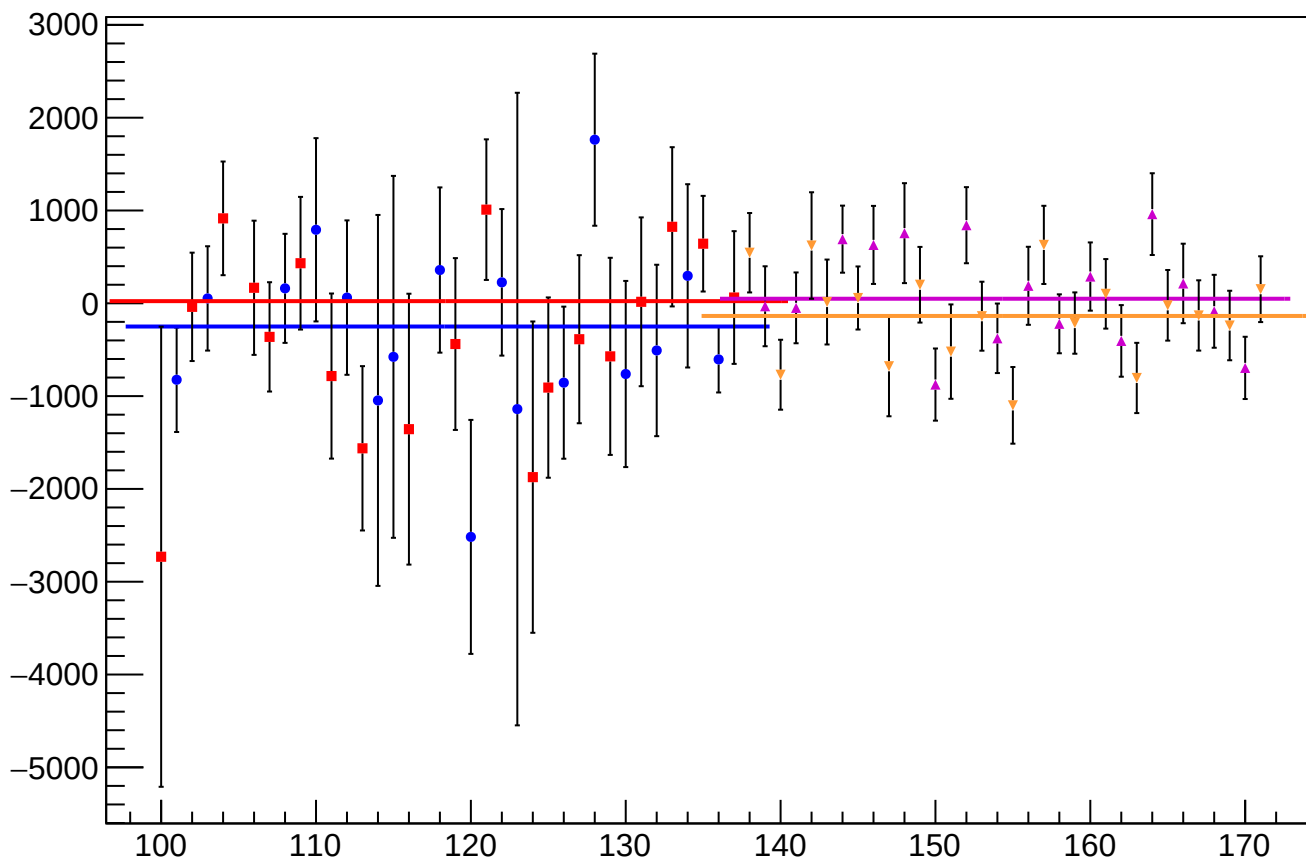
Left In: 58.880 $\pm$ 0.012 χ^2 /NDF: 93760.2/15

+ sign 57.789 $\pm$ 0.009 χ^2 /NDF: 385360.6/34

All: 58.169 $\pm$ 0.007 χ^2 /NDF: 785351.7/69

- sign 58.571 $\pm$ 0.009 χ^2 /NDF: 396443.1/34

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 ± 184.092 χ^2/NDF : 14.3/16

Left Out: -136.298 ± 93.956 χ^2/NDF : 23.0/17

Right Out: 23.314 ± 181.834 χ^2/NDF : 16.1/18

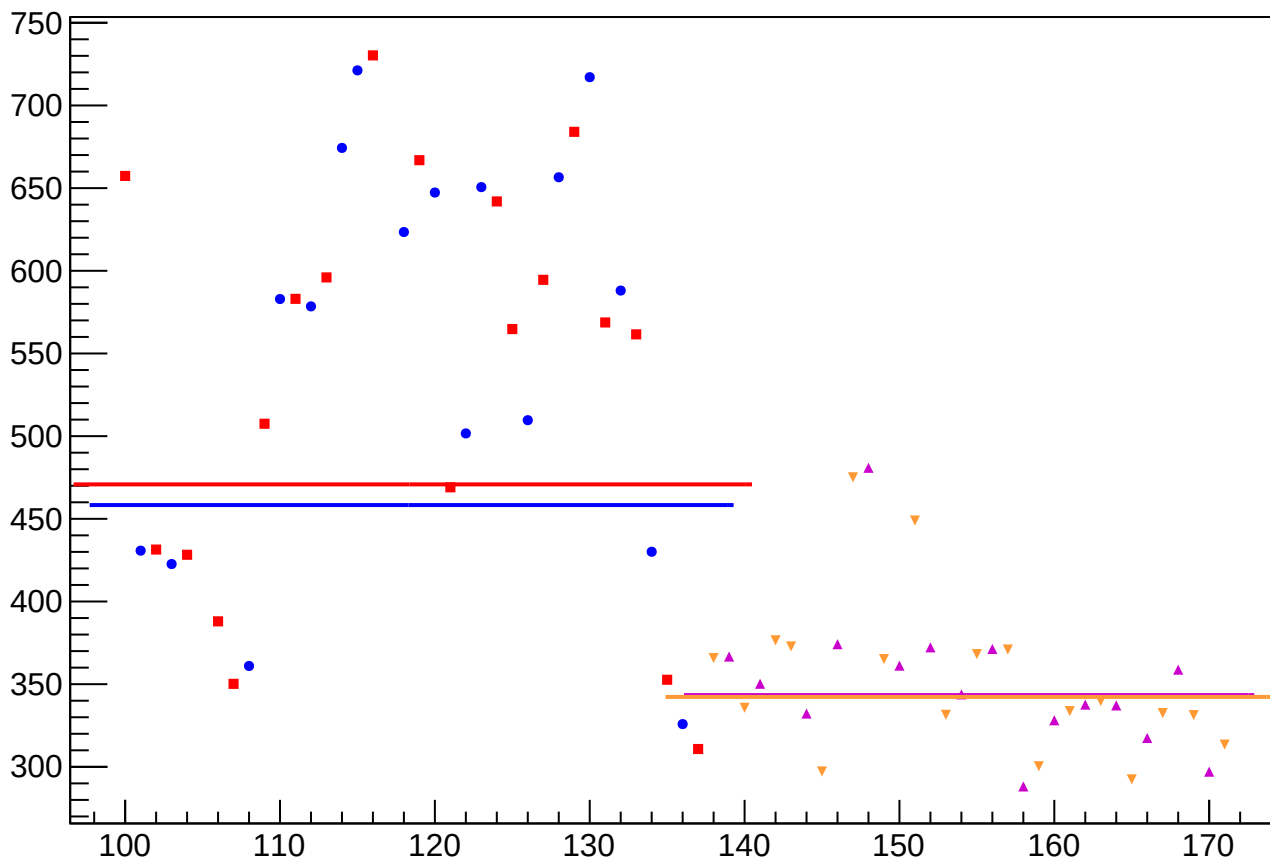
Left In: 49.175 ± 97.879 χ^2/NDF : 29.7/15

+ sign -159.824 ± 83.687 χ^2/NDF : 37.5/34

All: -61.219 ± 60.039 χ^2/NDF : 86.2/69

- sign 43.365 ± 86.186 χ^2/NDF : 45.8/34

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 342.303+/-0.066 χ^2/NDF : 376393.6/17

Right Out: 470.827+/-0.129 χ^2/NDF : 778635.2/18

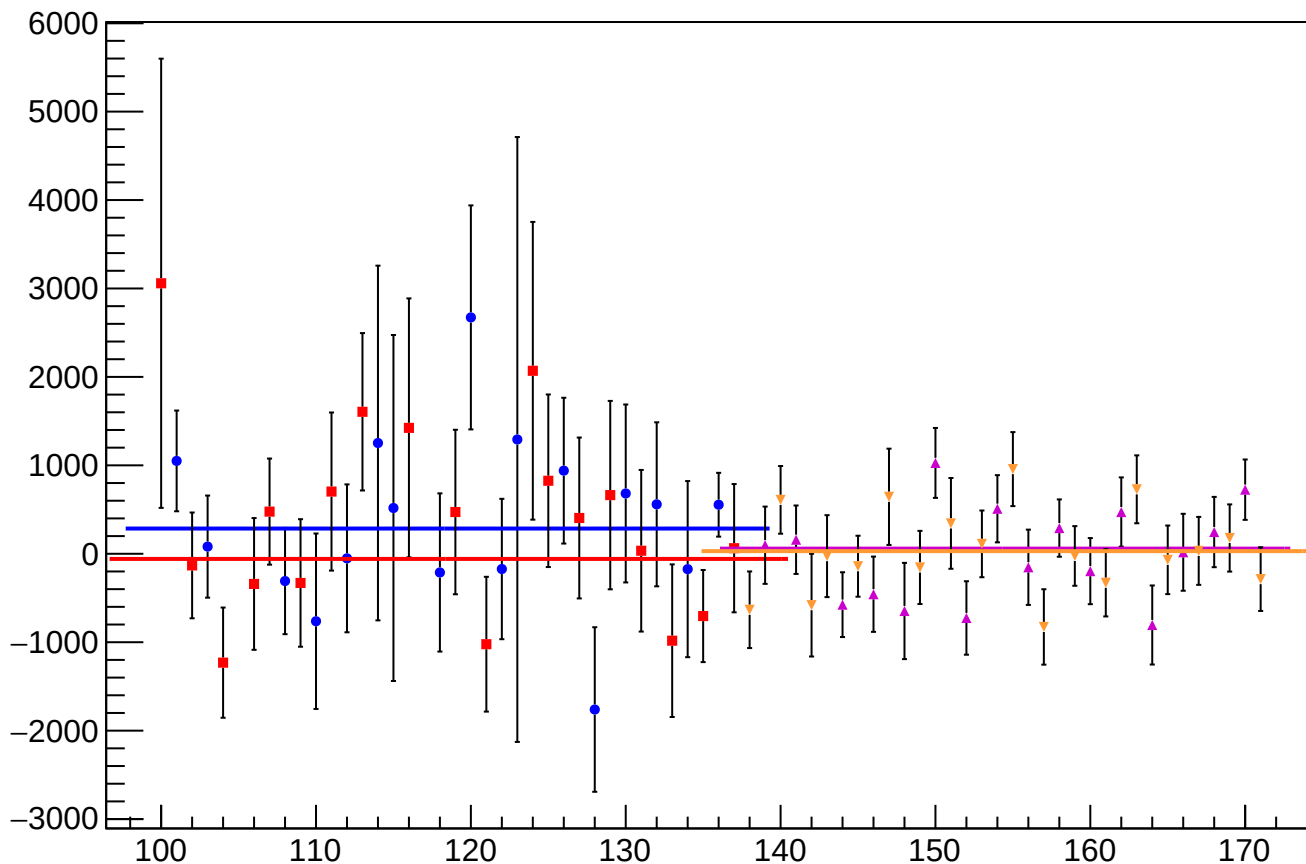
Left In: 343.409+/-0.069 χ^2/NDF : 285780.1/15

+ sign 366.279+/-0.059 χ^2/NDF : 1883828.5/34

All: 369.072+/-0.042 χ^2/NDF : 3714279.2/69

- sign 372.034+/-0.061 χ^2/NDF : 1825860.1/34

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: 30.069 $\pm$ 95.344 χ^2 /NDF:22.1/17

Right Out: -58.001 $\pm$ 184.074 χ^2 /NDF: 19.2/18

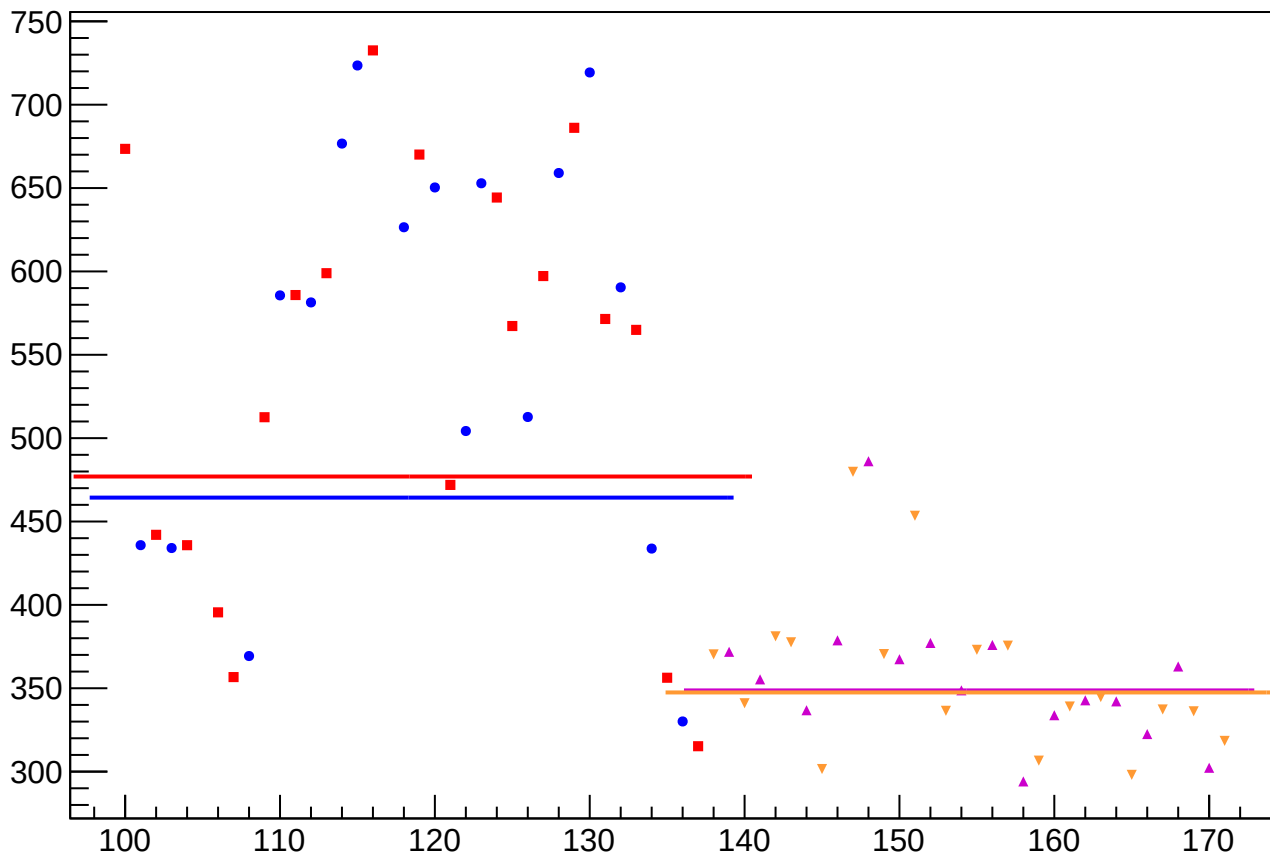
Left In: 58.306 $\pm$ 99.355 χ^2 /NDF:27.3/15

+ sign 83.070 $\pm$ 84.871 χ^2 /NDF: 38.7/34

All: 58.326 $\pm$ 60.898 χ^2 /NDF: 85.7/69

- sign 32.067 $\pm$ 87.432 χ^2 /NDF: 46.8/34

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 347.481 $\pm$ 0.067 χ^2 /NDF: 363522.9/17

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

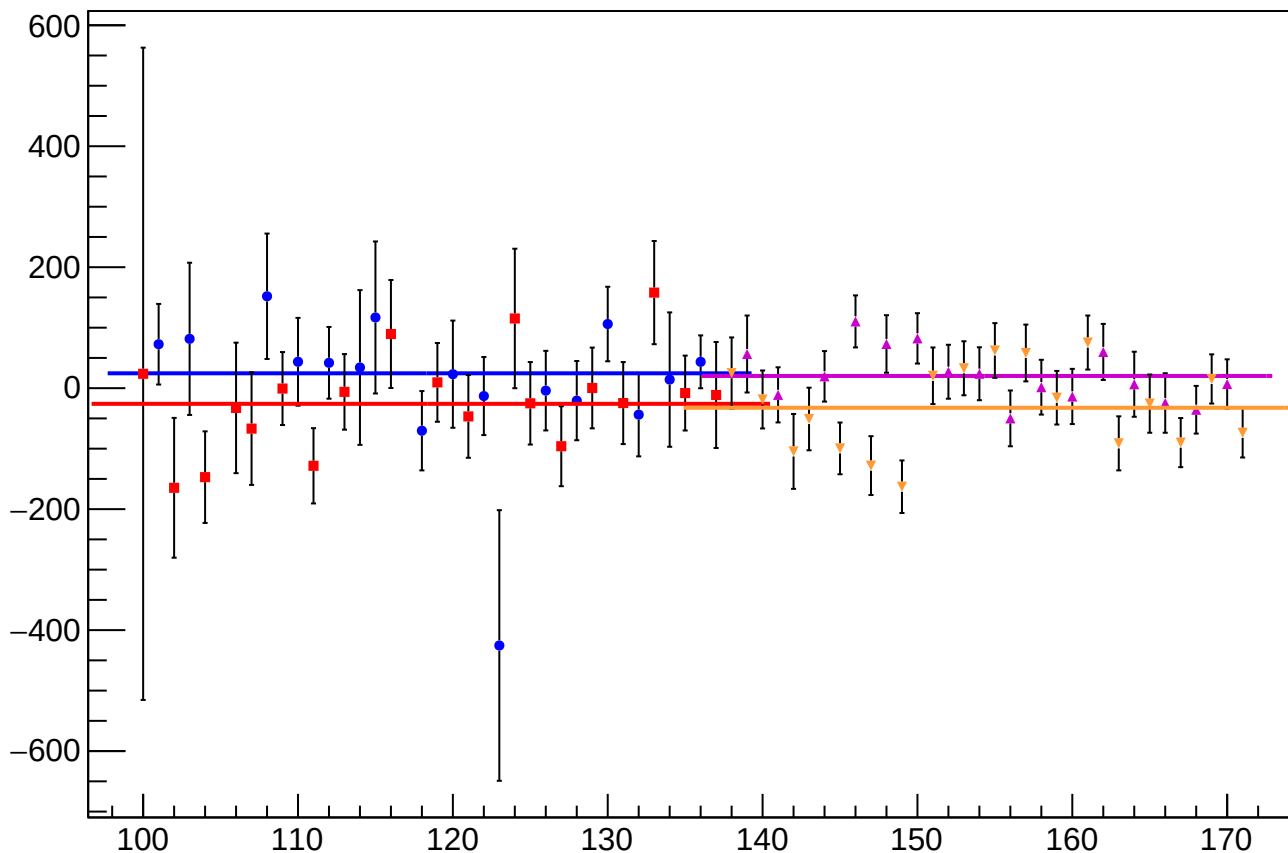
Left In: 348.693 $\pm$ 0.070 χ^2 /NDF: 275567.2/15

+ sign 371.743 $\pm$ 0.060 χ^2 /NDF: 1833227.1/34

All: 374.603 $\pm$ 0.043 χ^2 /NDF: 3615174.8/69

- sign 377.638 $\pm$ 0.062 χ^2 /NDF: 1777267.4/34

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584+/-17.839 χ^2/NDF : 13.0/16

Left Out: -32.418+/-10.842 χ^2/NDF : 41.5/17

Right Out: -25.884+/-17.386 χ^2/NDF : 16.8/18

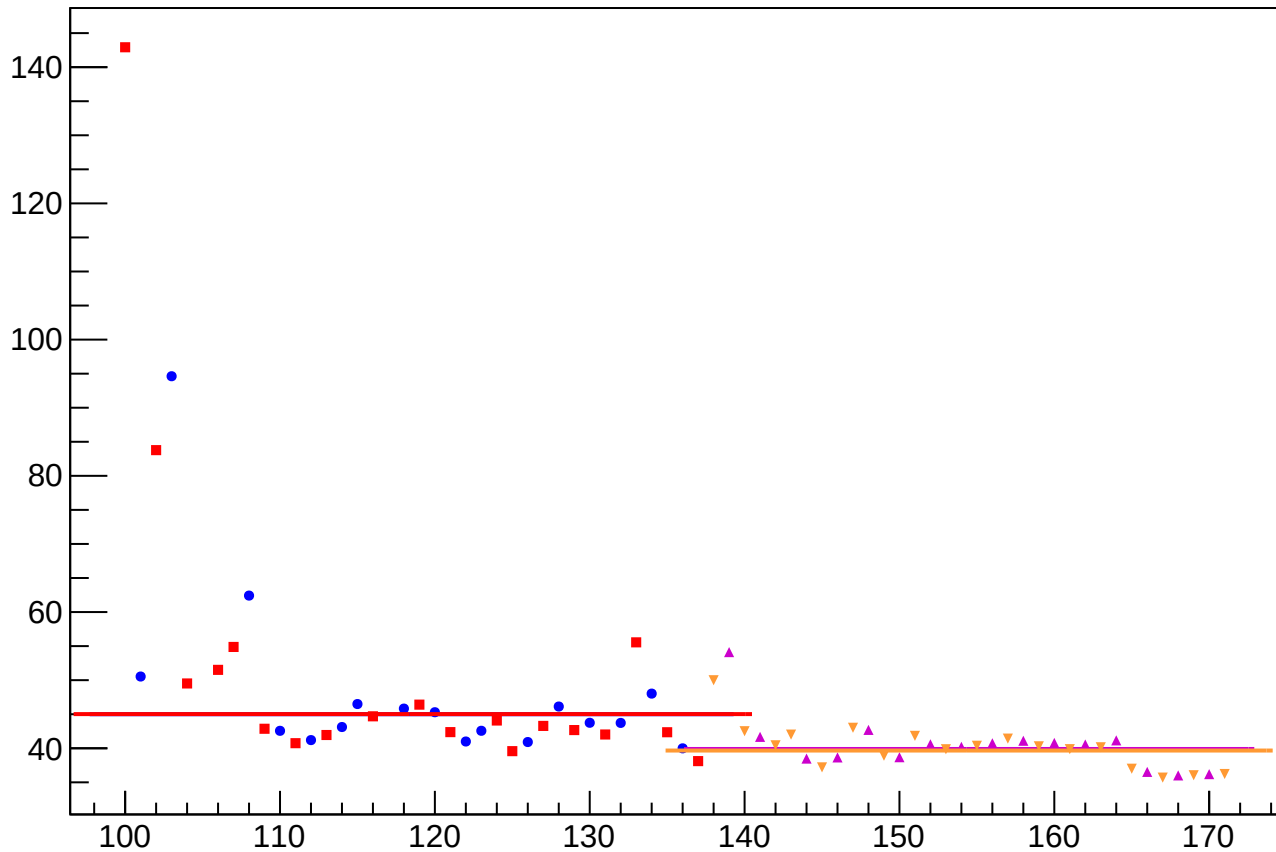
Left In: 20.194+/-11.328 χ^2/NDF : 15.5/15

+ sign -17.042+/-9.265 χ^2/NDF : 62.0/34

All: -5.574+/-6.630 χ^2/NDF : 102.3/69

- sign 6.462+/-9.491 χ^2/NDF : 37.2/34

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 ± 0.013 $\chi^2/\text{NDF}: 438352.8/16$

Left Out: 39.668 ± 0.008 $\chi^2/\text{NDF}: 152926.1/17$

Right Out: 45.017 ± 0.012 $\chi^2/\text{NDF}: 415509.0/18$

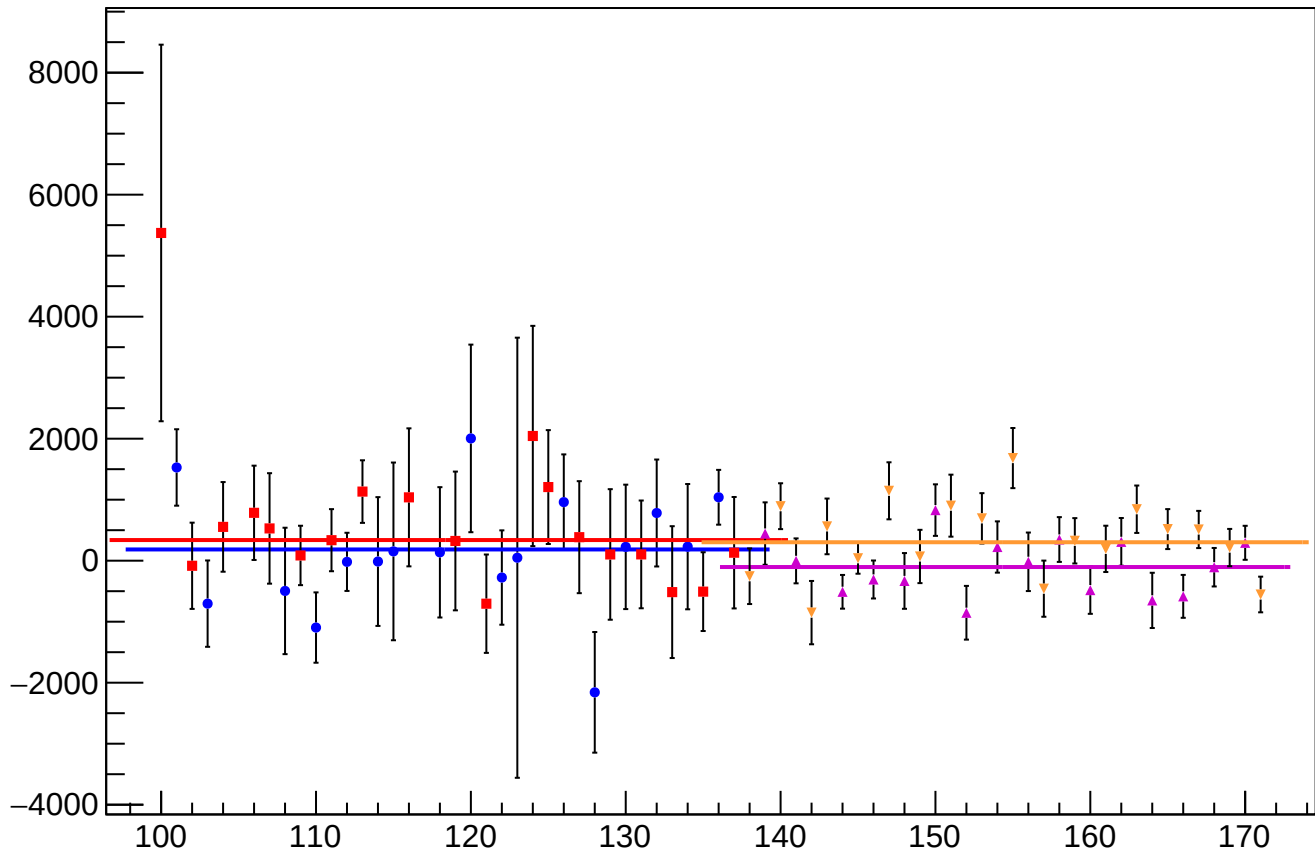
Left In: 39.897 ± 0.008 $\chi^2/\text{NDF}: 165628.5/15$

+ sign 41.106 ± 0.007 $\chi^2/\text{NDF}: 721840.9/34$

All: 41.261 ± 0.005 $\chi^2/\text{NDF}: 1425881.2/69$

- sign 41.423 ± 0.007 $\chi^2/\text{NDF}: 702900.7/34$

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 302.422 ± 88.504 χ^2/NDF : 38.3/17

Right Out: 338.329 ± 179.381 χ^2/NDF : 12.5/18

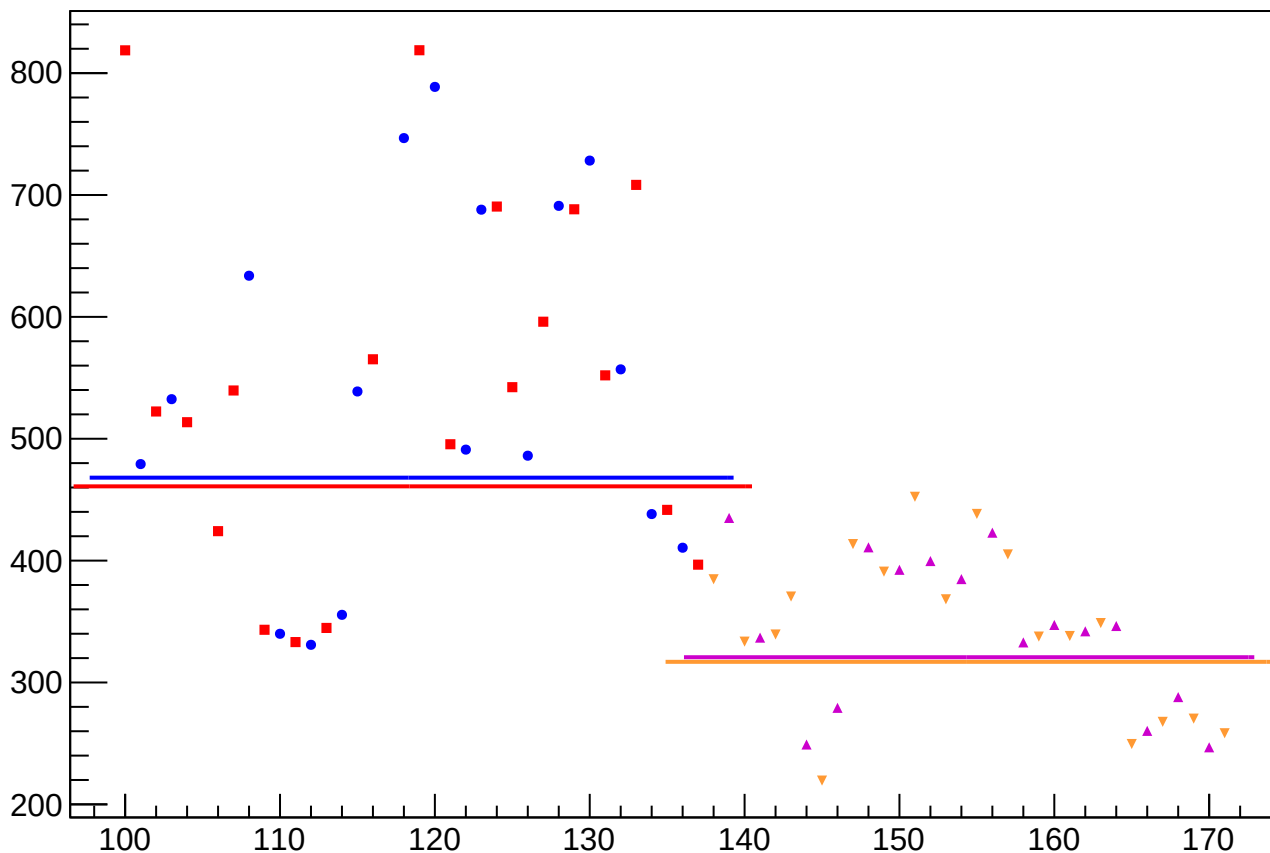
Left In: -103.964 ± 92.603 χ^2/NDF : 21.4/15

+ sign 281.076 ± 80.118 χ^2/NDF : 62.8/34

All: 138.987 ± 57.403 χ^2/NDF : 108.0/69

- sign -10.895 ± 82.286 χ^2/NDF : 38.7/34

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 316.952 $\pm$ 0.063 χ^2 /NDF:1175547.7/17

Right Out: 460.939 $\pm$ 0.127 χ^2 /NDF: 955028.5/18

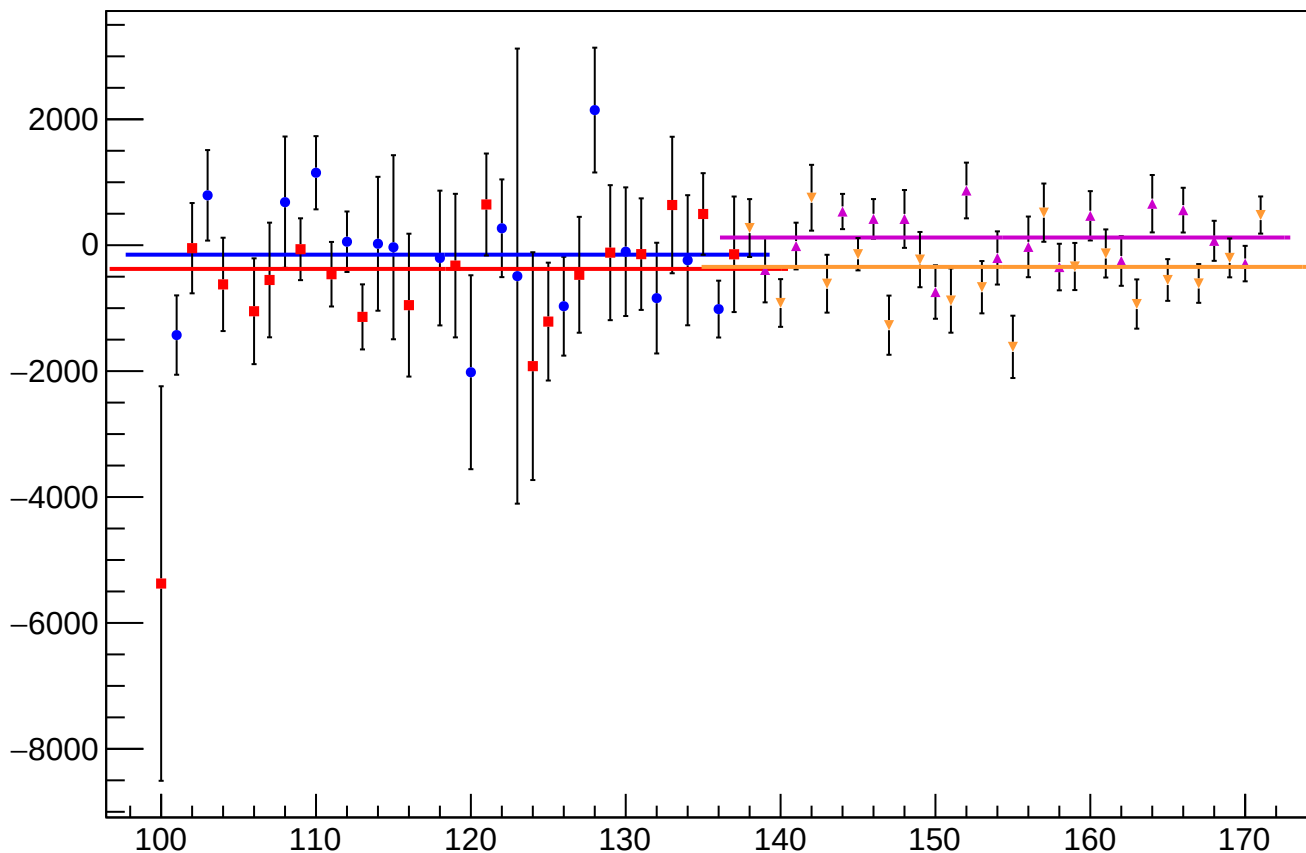
Left In: 320.723 $\pm$ 0.065 χ^2 /NDF:855638.3/15

+ sign 344.234 $\pm$ 0.057 χ^2 /NDF: 3108585.2/34

All: 347.151 $\pm$ 0.041 χ^2 /NDF: 5889564.8/69

- sign 350.228 $\pm$ 0.058 χ^2 /NDF: 2775532.7/34

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -344.548 ± 89.252 χ^2/NDF : 36.9/17

Right Out: -376.554 ± 181.258 χ^2/NDF : 12.4/18

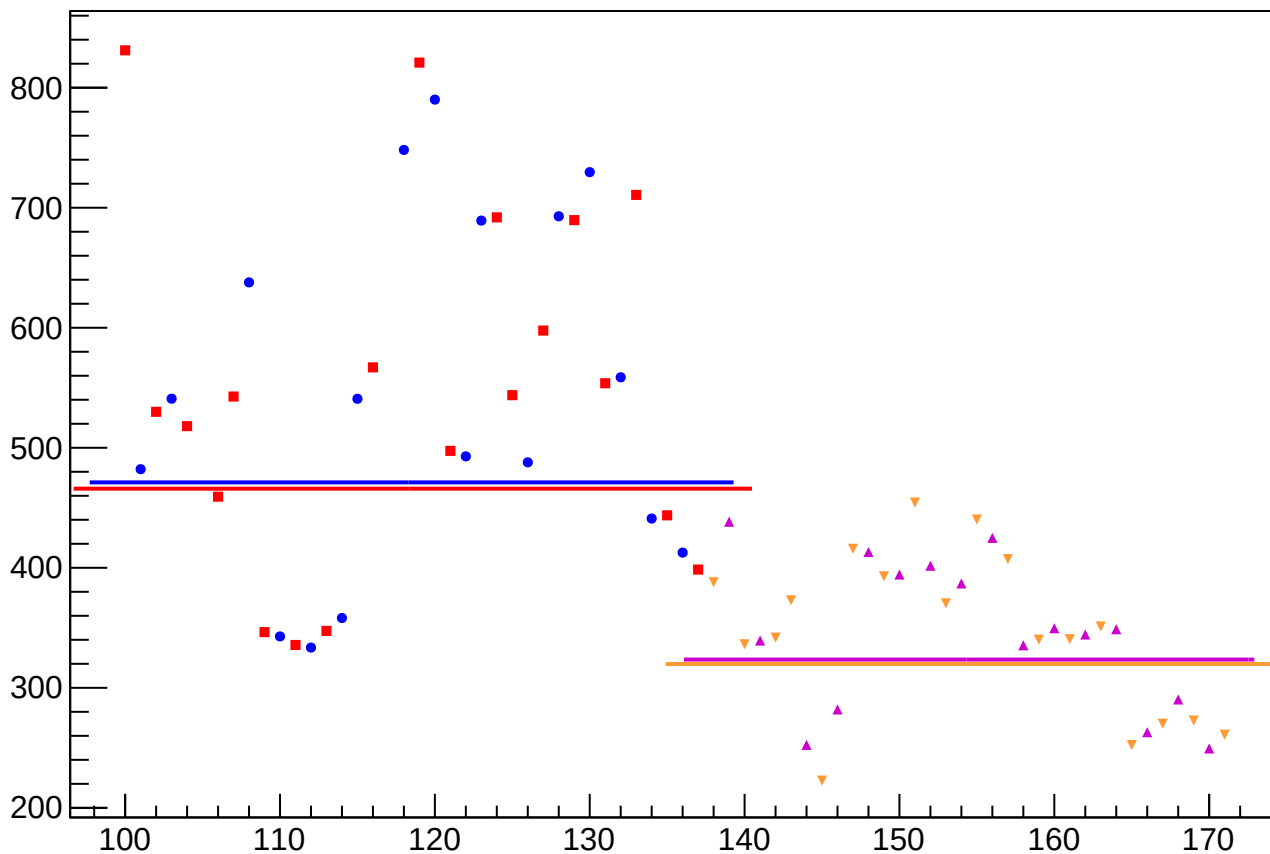
Left In: 122.202 ± 93.372 χ^2/NDF : 20.7/15

+ sign -309.352 ± 80.762 χ^2/NDF : 61.9/34

All: -150.352 ± 57.884 χ^2/NDF : 109.0/69

- sign 17.606 ± 83.006 χ^2/NDF : 39.1/34

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156 $\pm$ 0.134 χ^2/NDF : 871832.5/16

Left Out: 319.825 $\pm$ 0.063 χ^2/NDF : 1147017.8/17

Right Out: 465.935 $\pm$ 0.128 χ^2/NDF : 940521.6/18

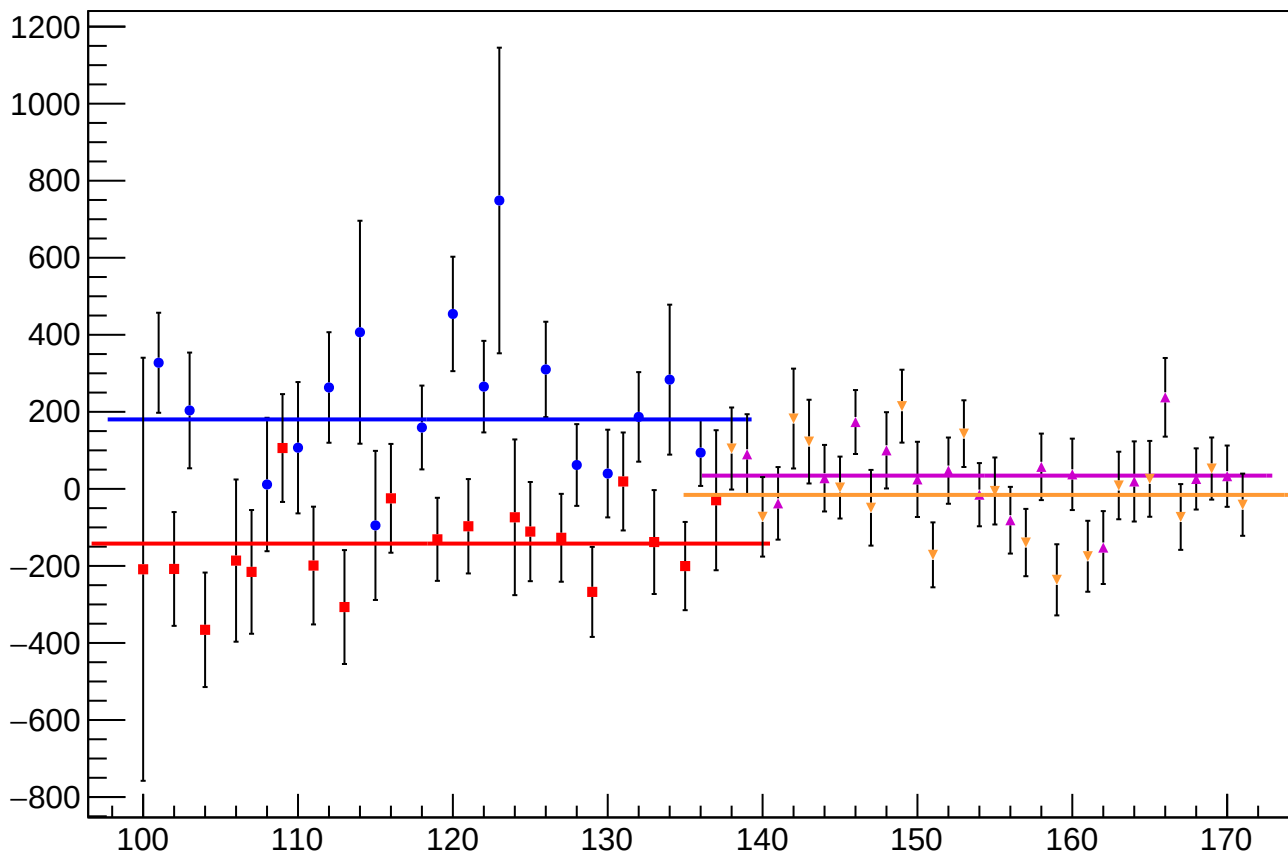
Left In: 323.550 $\pm$ 0.066 χ^2/NDF : 835560.6/15

+ sign 347.245 $\pm$ 0.057 χ^2/NDF : 3060689.3/34

All: 350.243 $\pm$ 0.041 χ^2/NDF : 5817775.1/69

- sign 353.410 $\pm$ 0.059 χ^2/NDF : 2751419.1/34

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 ± 32.769 $\chi^2/\text{NDF}: 16.6/16$

Left Out: -15.621 ± 21.585 $\chi^2/\text{NDF}: 30.7/17$

Right Out: -142.040 ± 32.338 $\chi^2/\text{NDF}: 11.7/18$

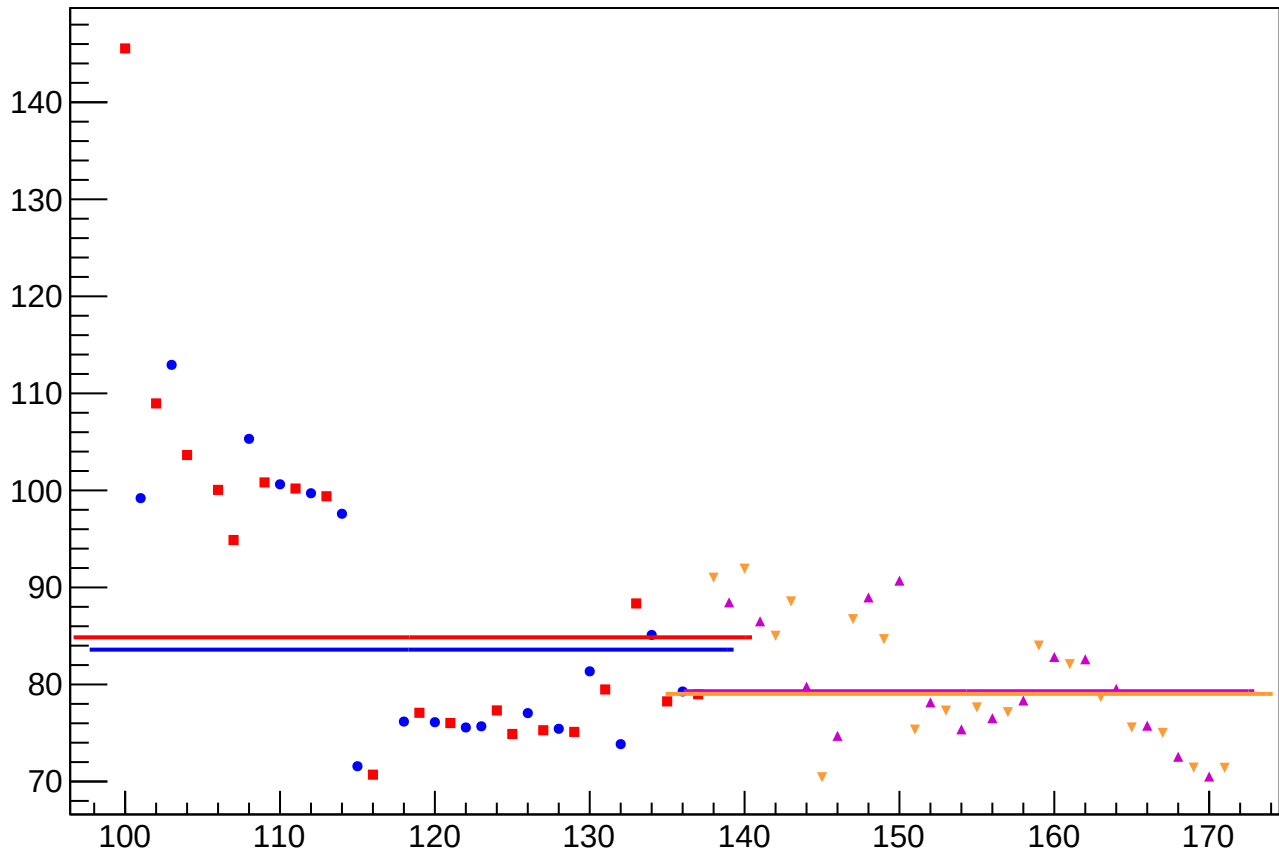
Left In: 34.421 ± 22.500 $\chi^2/\text{NDF}: 14.3/15$

+ sign 43.672 ± 18.026 $\chi^2/\text{NDF}: 72.2/34$

All: 11.078 ± 12.900 $\chi^2/\text{NDF}: 124.9/69$

- sign -23.140 ± 18.469 $\chi^2/\text{NDF}: 46.0/34$

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 79.032 $\pm$ 0.015 χ^2 /NDF:175003.1/17

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

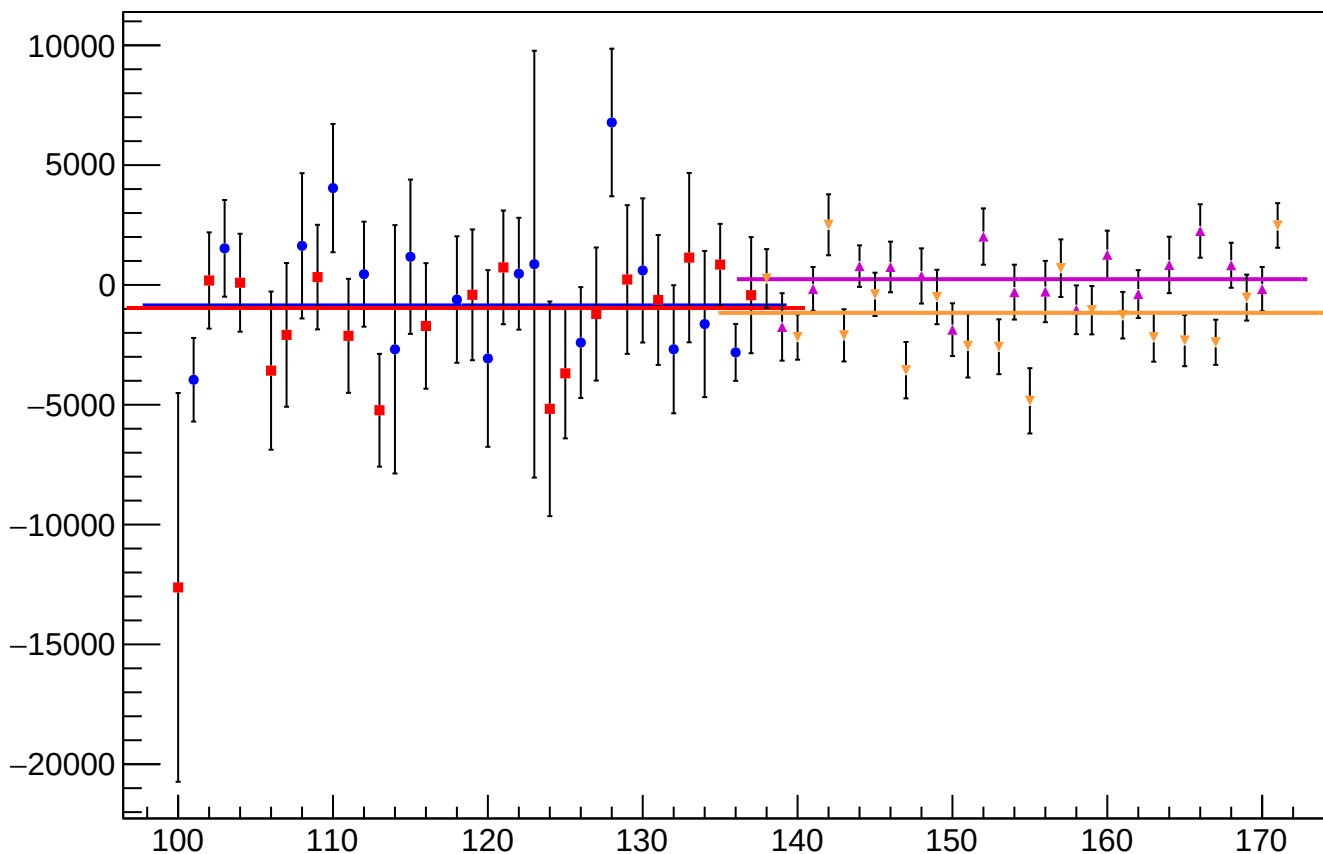
Left In: 79.305 $\pm$ 0.016 χ^2 /NDF:133621.0/15

+ sign 80.411 $\pm$ 0.013 χ^2 /NDF: 457919.8/34

All: 80.756 $\pm$ 0.009 χ^2 /NDF: 923425.5/69

- sign 81.117 $\pm$ 0.013 χ^2 /NDF: 464009.4/34

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308+/-583.290 χ^2 /NDF: 20.3/16

Left Out: -1163.256+/-251.842 χ^2 /NDF: 48.7/17

Right Out: -962.932+/-589.071 χ^2 /NDF: 11.5/18

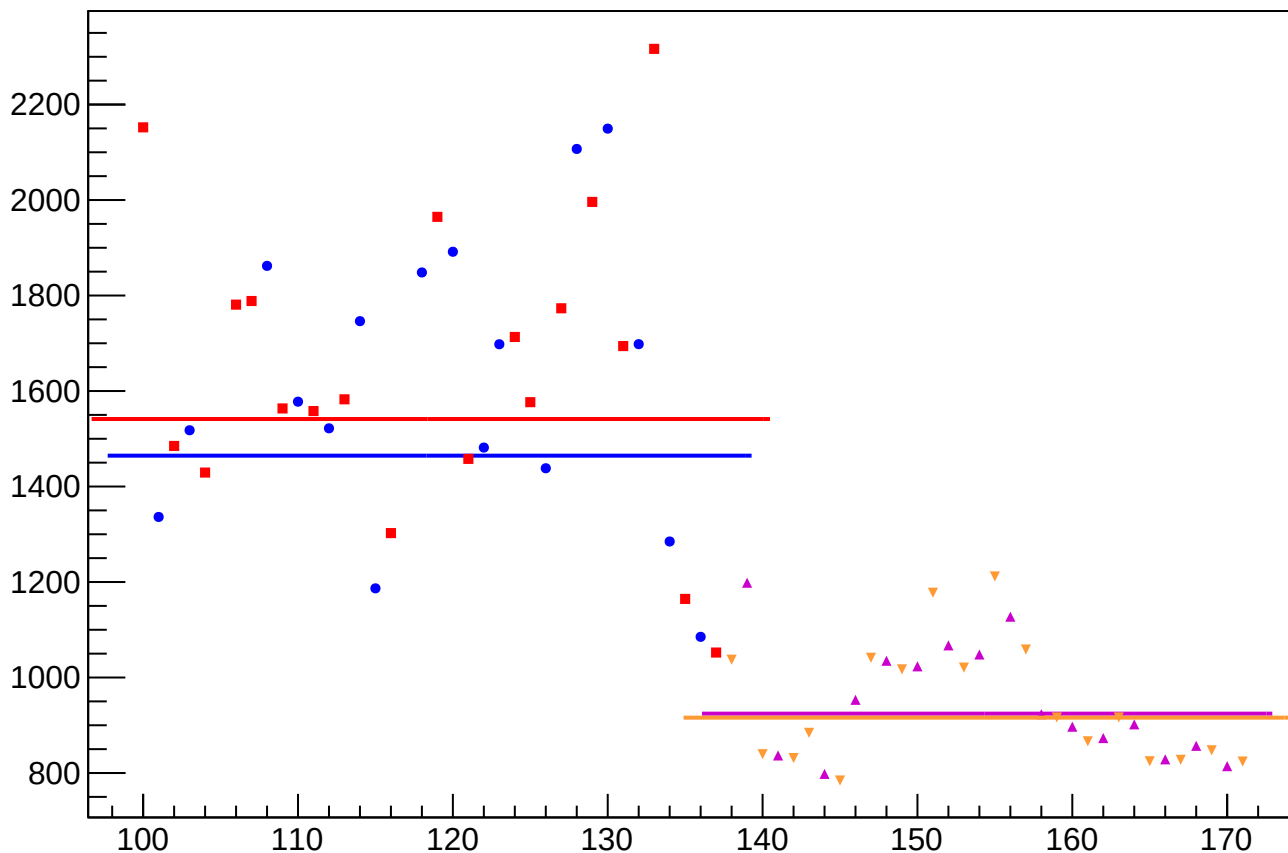
Left In: 239.361+/-263.494 χ^2 /NDF: 16.3/15

+ sign -1114.869+/-231.212 χ^2 /NDF: 69.2/34

All: -560.755+/-166.687 χ^2 /NDF: 112.4/69

- sign 38.912+/-240.528 χ^2 /NDF: 31.3/34

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 915.953 $\pm$ 0.178 χ^2 /NDF: 408409.9/17

Right Out: 1541.388 $\pm$ 0.417 χ^2 /NDF: 453710.5/18

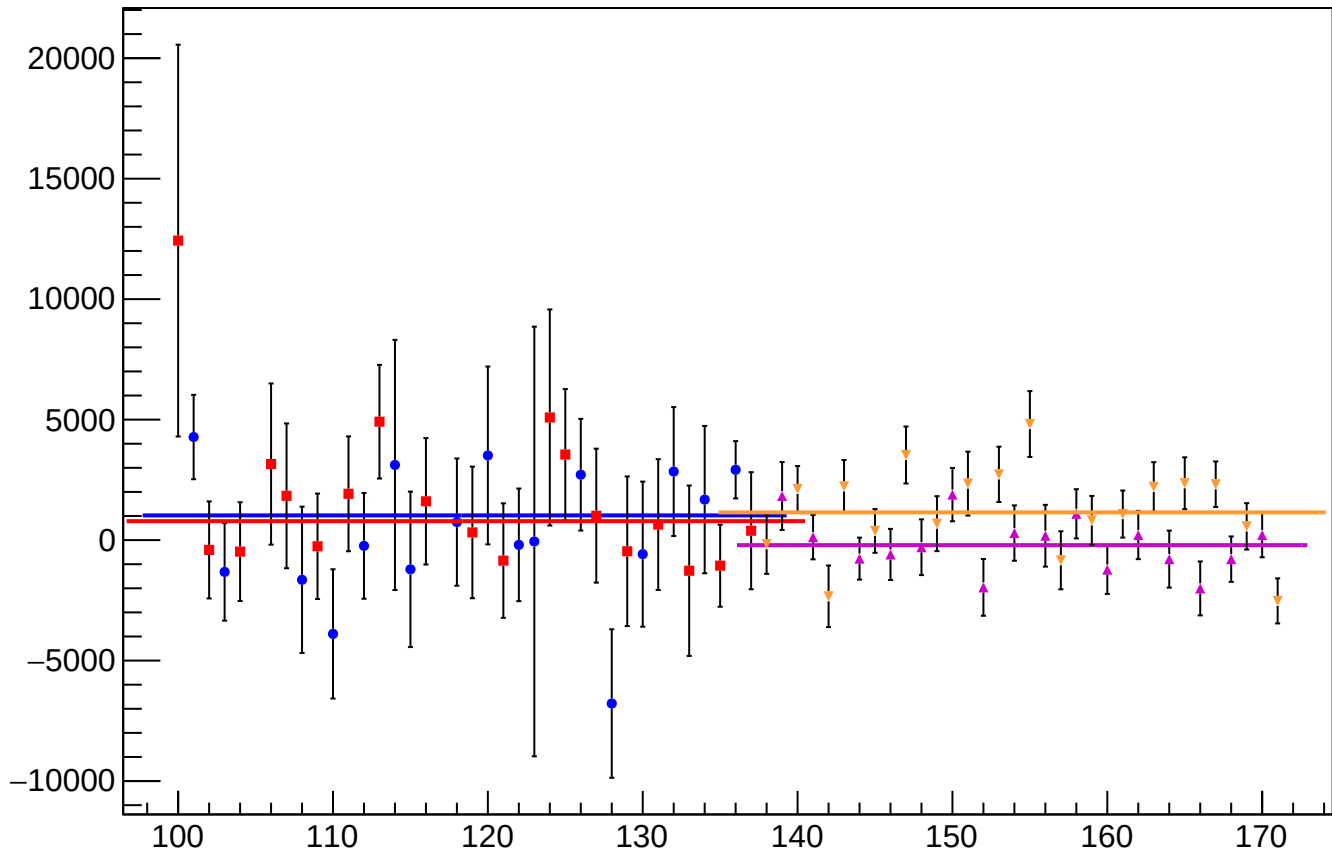
Left In: 924.355 $\pm$ 0.186 χ^2 /NDF: 337270.3/15

+ sign 1002.166 $\pm$ 0.163 χ^2 /NDF: 2460918.8/34

All: 1014.202 $\pm$ 0.118 χ^2 /NDF: 5091711.8/69

- sign 1027.228 $\pm$ 0.170 χ^2 /NDF: 2619506.8/34

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527+/-584.500 χ^2/NDF : 20.9/16

Left Out: 1150.180+/-252.853 χ^2/NDF : 47.9/17

Right Out: 787.007+/-590.388 χ^2/NDF : 11.2/18

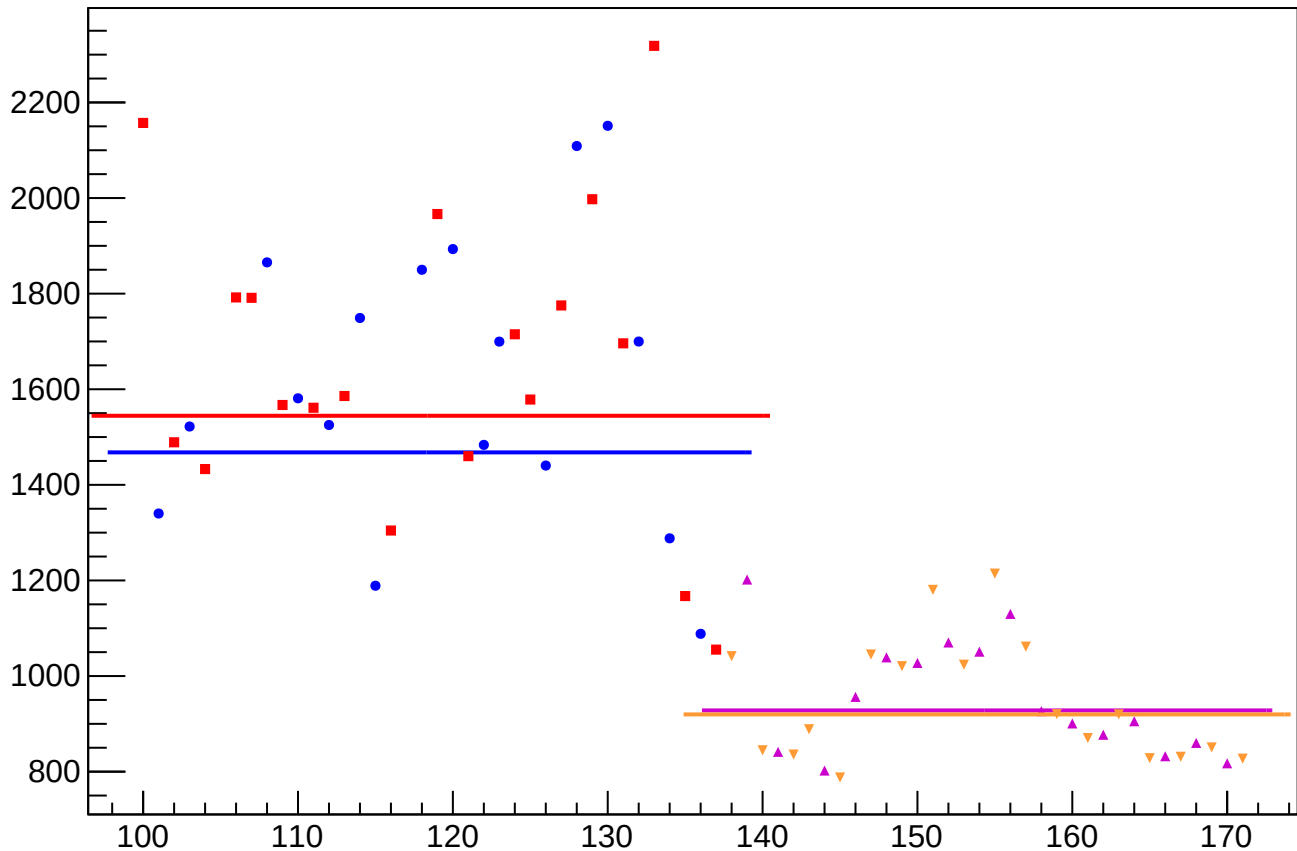
Left In: -208.735+/-264.528 χ^2/NDF : 15.1/15

+ sign 1130.530+/-232.069 χ^2/NDF : 68.9/34

All: 567.251+/-167.300 χ^2/NDF : 109.8/69

- sign -42.255+/-241.404 χ^2/NDF : 28.6/34

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905 $\pm$ 0.413 χ^2 /NDF: 557458.9/16

Left Out: 919.744 $\pm$ 0.179 χ^2 /NDF: 404056.2/17

Right Out: 1544.513 $\pm$ 0.417 χ^2 /NDF: 451805.9/18

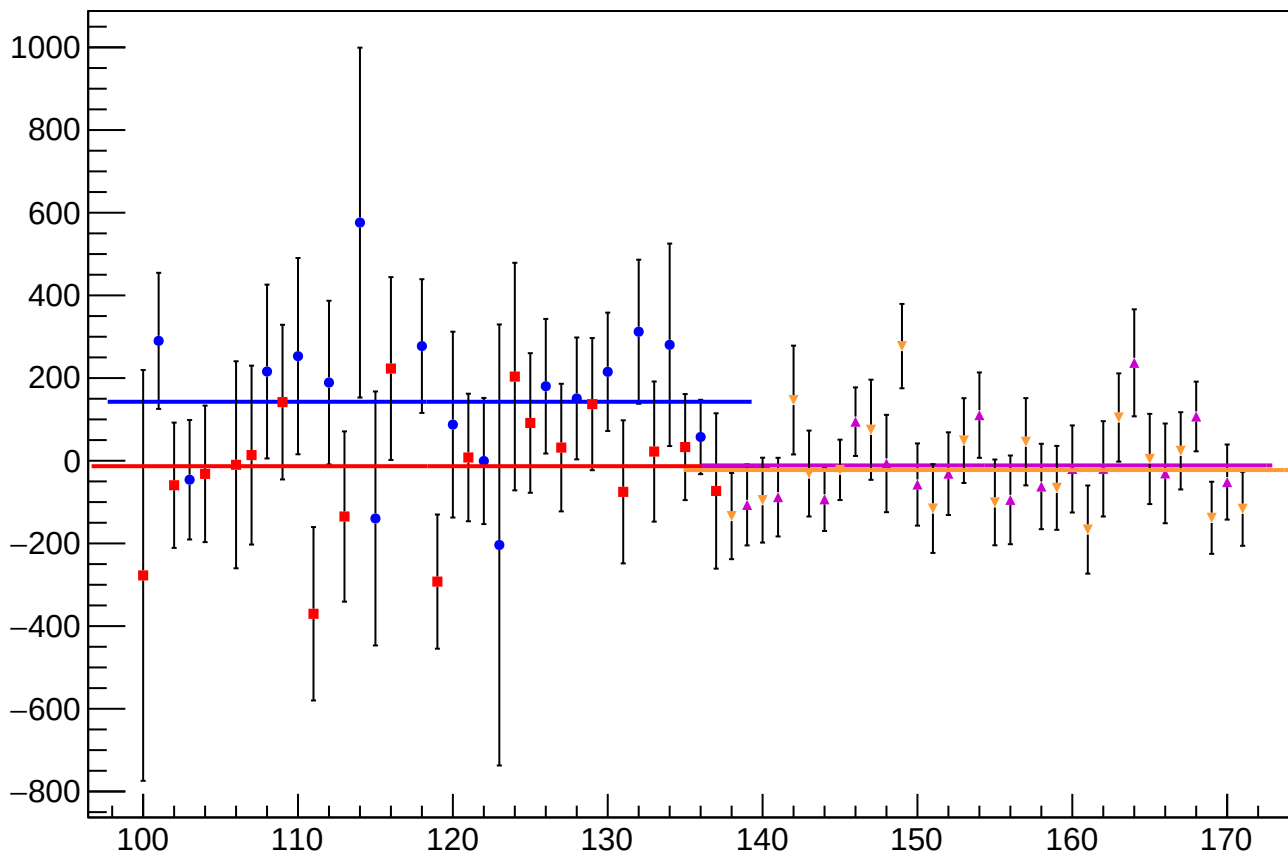
Left In: 928.081 $\pm$ 0.187 χ^2 /NDF: 333488.3/15

+ sign 1006.156 $\pm$ 0.164 χ^2 /NDF: 2443269.7/34

All: 1018.157 $\pm$ 0.118 χ^2 /NDF: 5055514.6/69

- sign 1031.143 $\pm$ 0.171 χ^2 /NDF: 2601108.6/34

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -22.514 $\pm$ 23.694 χ^2 /NDF:21.4/17

Right Out: -13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

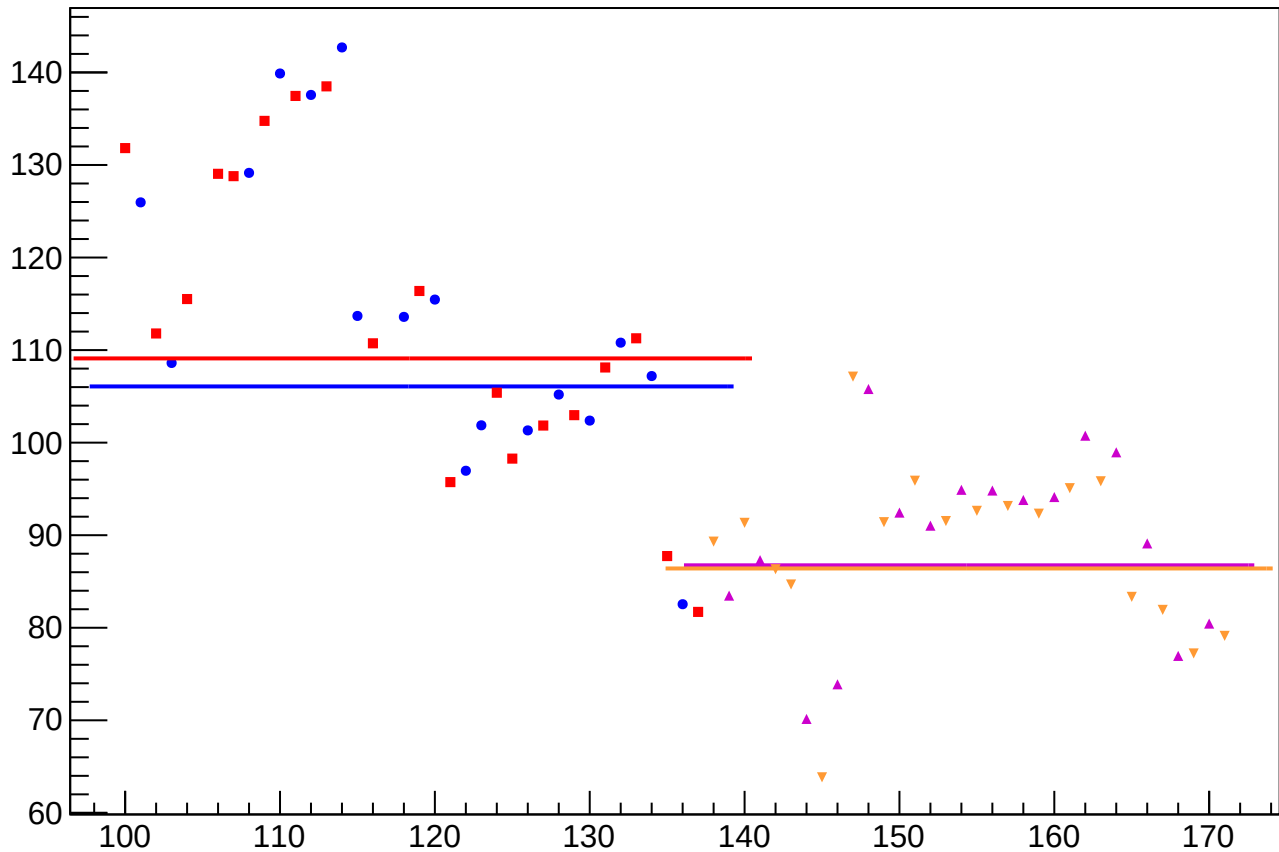
Left In: -11.307 $\pm$ 24.742 χ^2 /NDF:12.7/15

+ sign 17.913 $\pm$ 20.592 χ^2 /NDF: 42.6/34

All: 3.516 $\pm$ 14.784 χ^2 /NDF: 67.2/69

- sign -11.799 $\pm$ 21.238 χ^2 /NDF: 23.6/34

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 86.406 $\pm$ 0.017 χ^2 /NDF: 374471.7/17

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

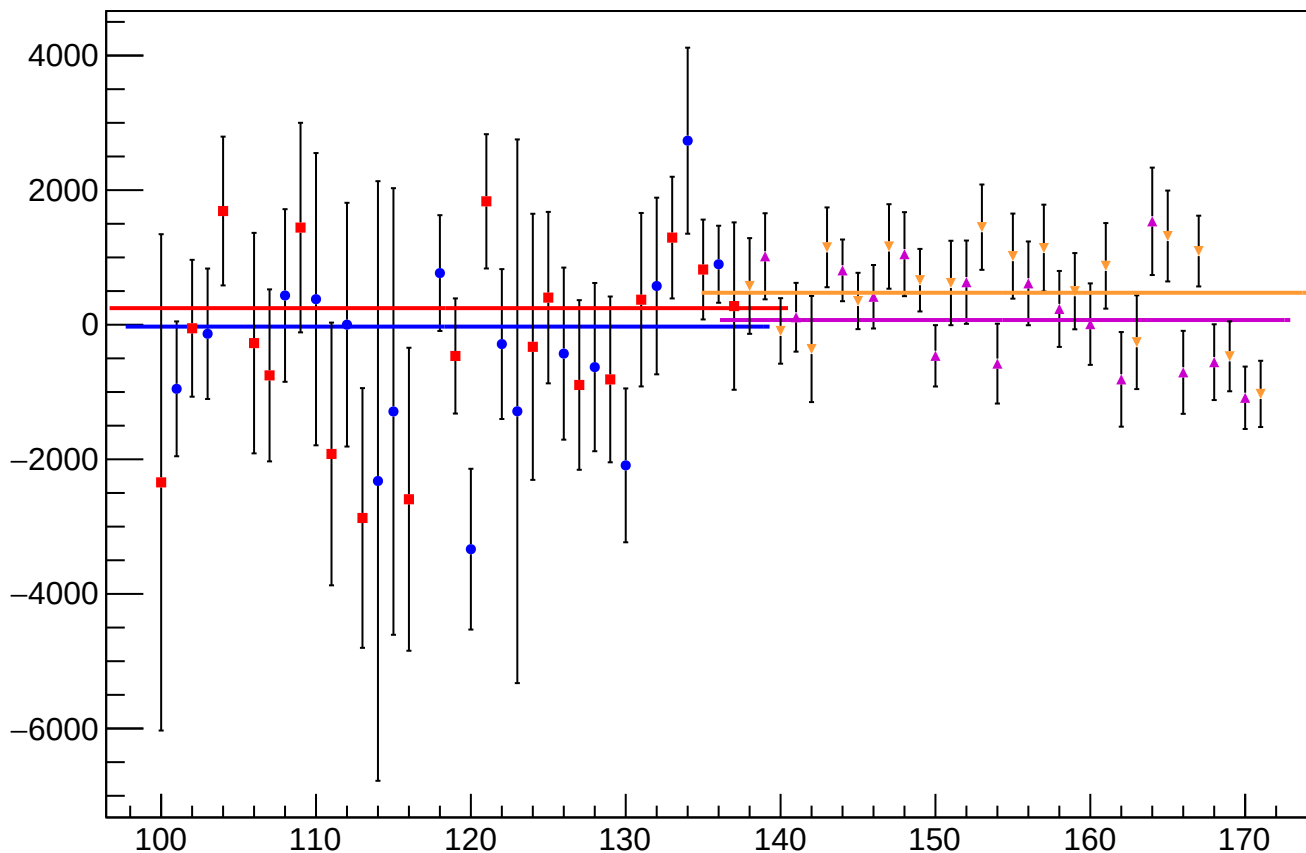
Left In: 86.745 $\pm$ 0.017 χ^2 /NDF: 334422.2/15

+ sign 91.219 $\pm$ 0.015 χ^2 /NDF: 1029612.0/34

All: 91.903 $\pm$ 0.010 χ^2 /NDF: 2083711.8/69

- sign 92.630 $\pm$ 0.015 χ^2 /NDF: 1049553.1/34

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 474.873 ± 135.139 χ^2/NDF : 26.5/17

Right Out: 246.386 ± 279.451 χ^2/NDF : 15.9/18

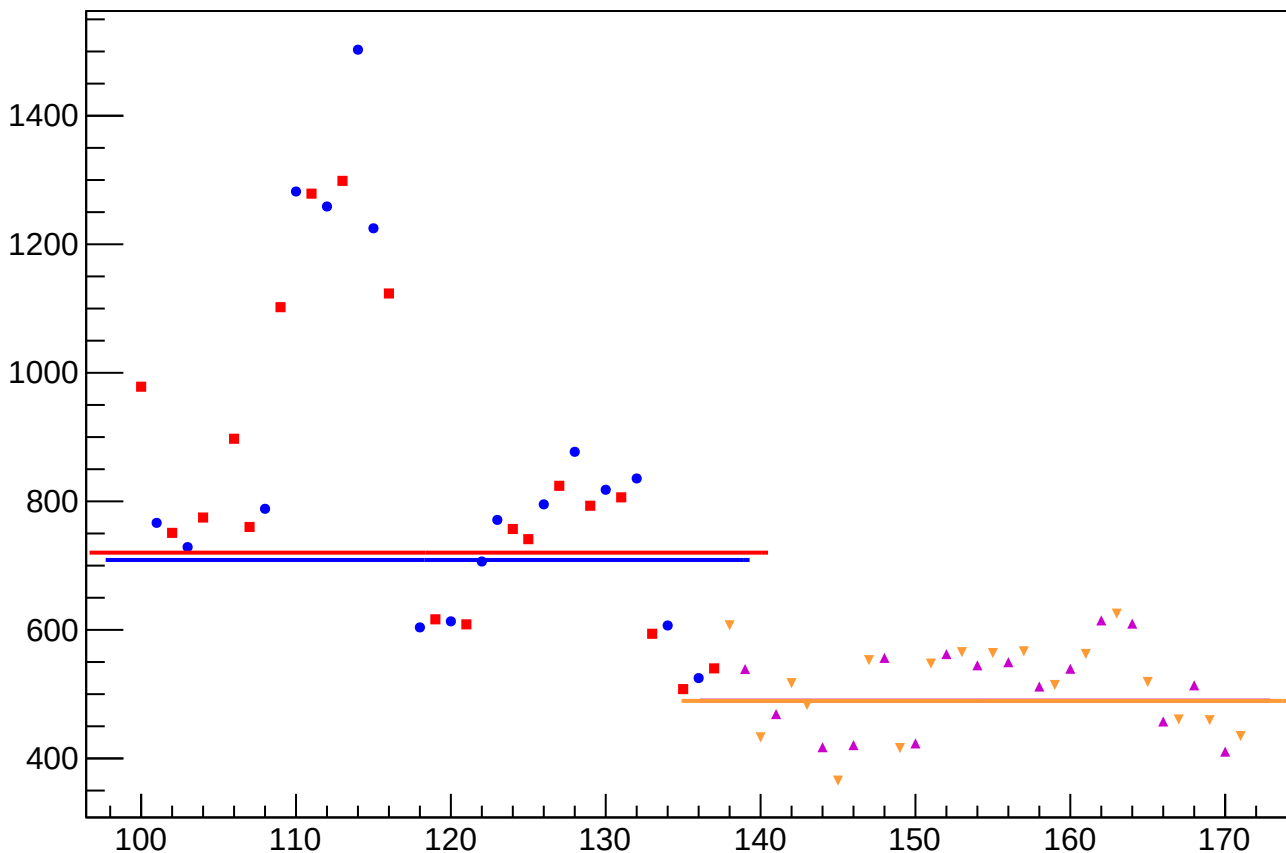
Left In: 69.829 ± 140.249 χ^2/NDF : 26.0/15

+ sign 381.900 ± 122.007 χ^2/NDF : 49.6/34

All: 247.361 ± 87.430 χ^2/NDF : 94.3/69

- sign 105.352 ± 125.348 χ^2/NDF : 42.2/34

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784+/-0.201 χ^2/NDF : 793538.1/16

Left Out: 489.522+/-0.096 χ^2/NDF : 579826.5/17

Right Out: 720.201+/-0.198 χ^2/NDF : 899934.4/18

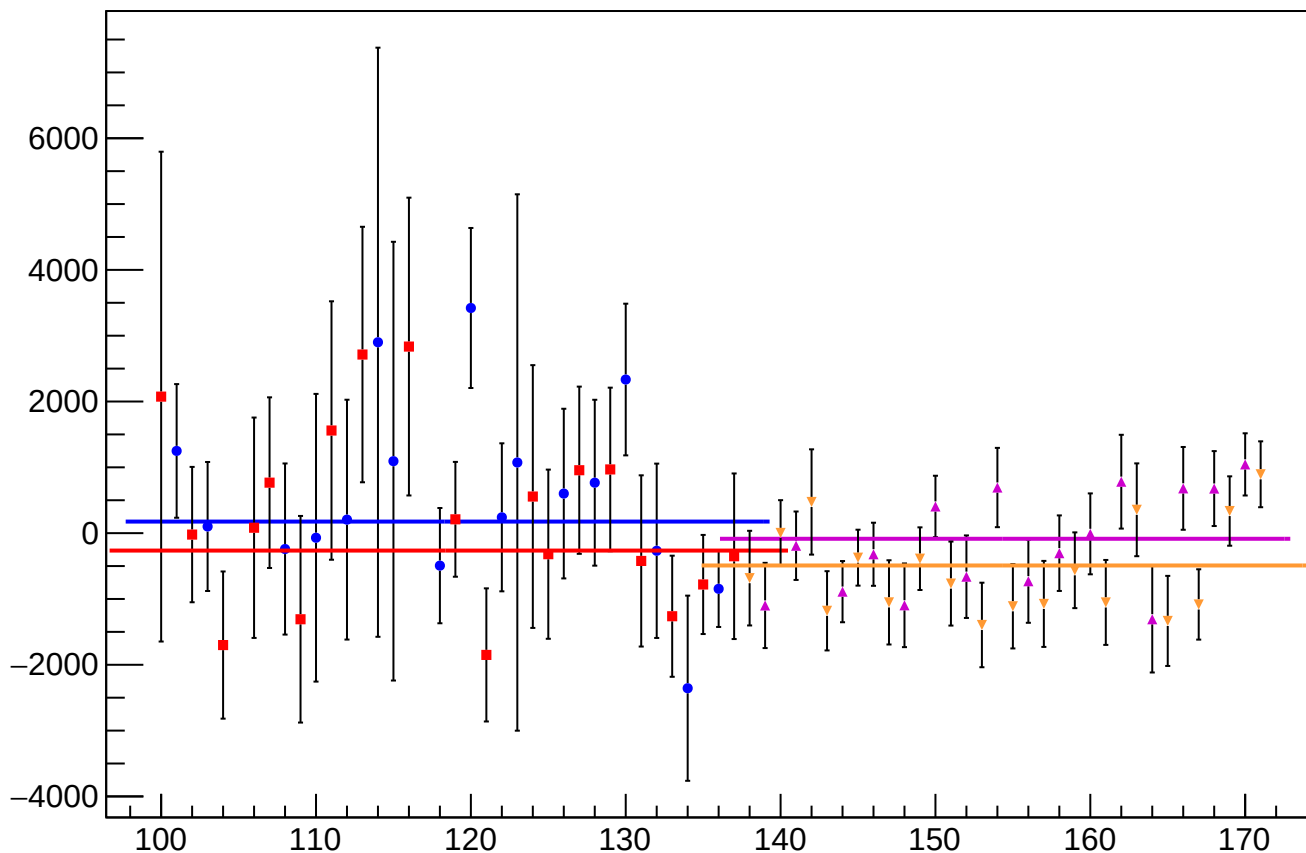
Left In: 489.927+/-0.099 χ^2/NDF : 428943.1/15

+ sign 530.063+/-0.086 χ^2/NDF : 2346837.1/34

All: 533.077+/-0.062 χ^2/NDF : 4763013.0/69

- sign 536.258+/-0.089 χ^2/NDF : 2413667.2/34

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -491.116 $\pm$ 137.349 χ^2 /NDF:23.7/17

Right Out: -264.622 $\pm$ 283.074 χ^2 /NDF: 14.8/18

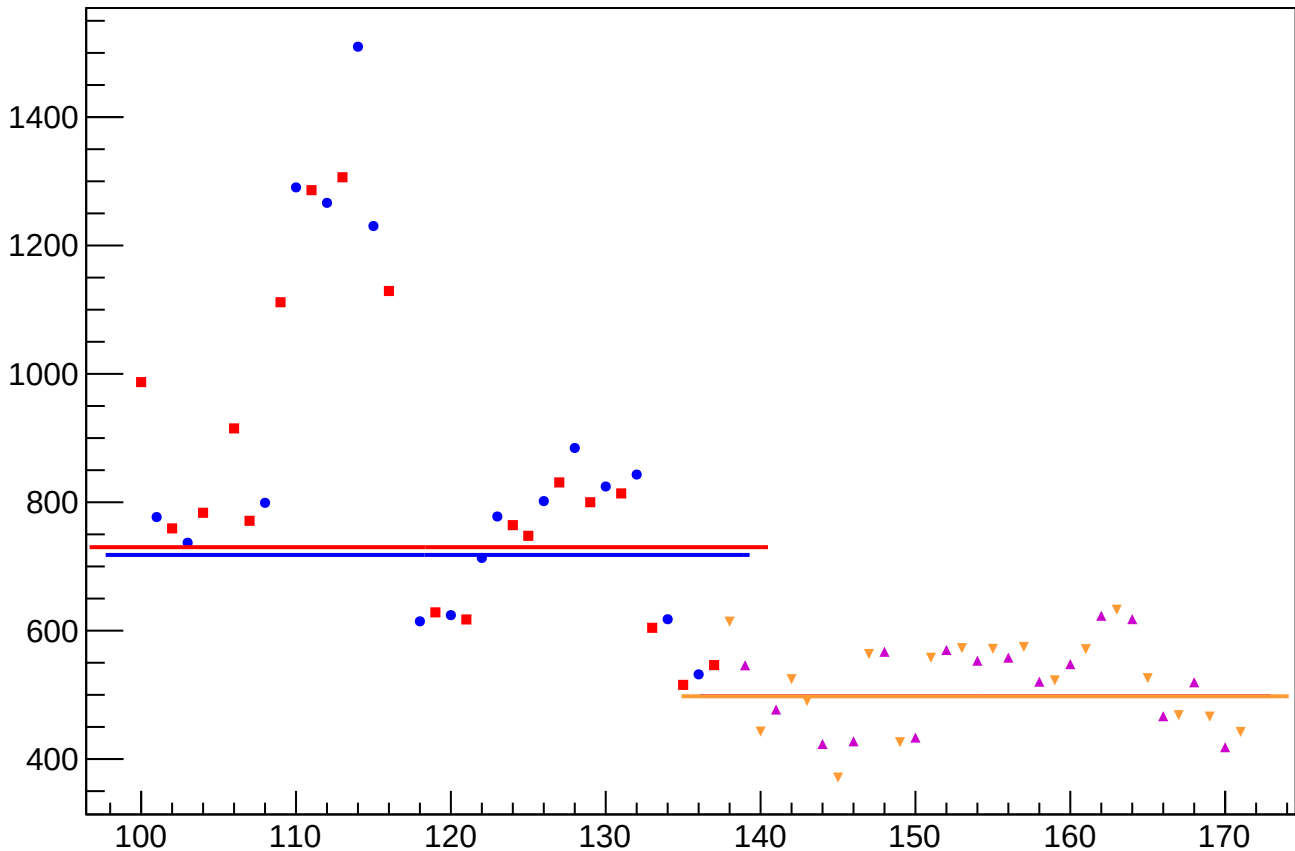
Left In: -85.553 $\pm$ 142.555 χ^2 /NDF:25.8/15

+ sign -366.981 $\pm$ 123.910 χ^2 /NDF: 47.8/34

All: -247.709 $\pm$ 88.799 χ^2 /NDF: 90.7/69

- sign -121.779 $\pm$ 127.321 χ^2 /NDF: 41.0/34

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973 $\pm$ 0.203 χ^2 /NDF: 778580.1/16

Left Out: 497.758 $\pm$ 0.097 χ^2 /NDF:566743.5/17

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

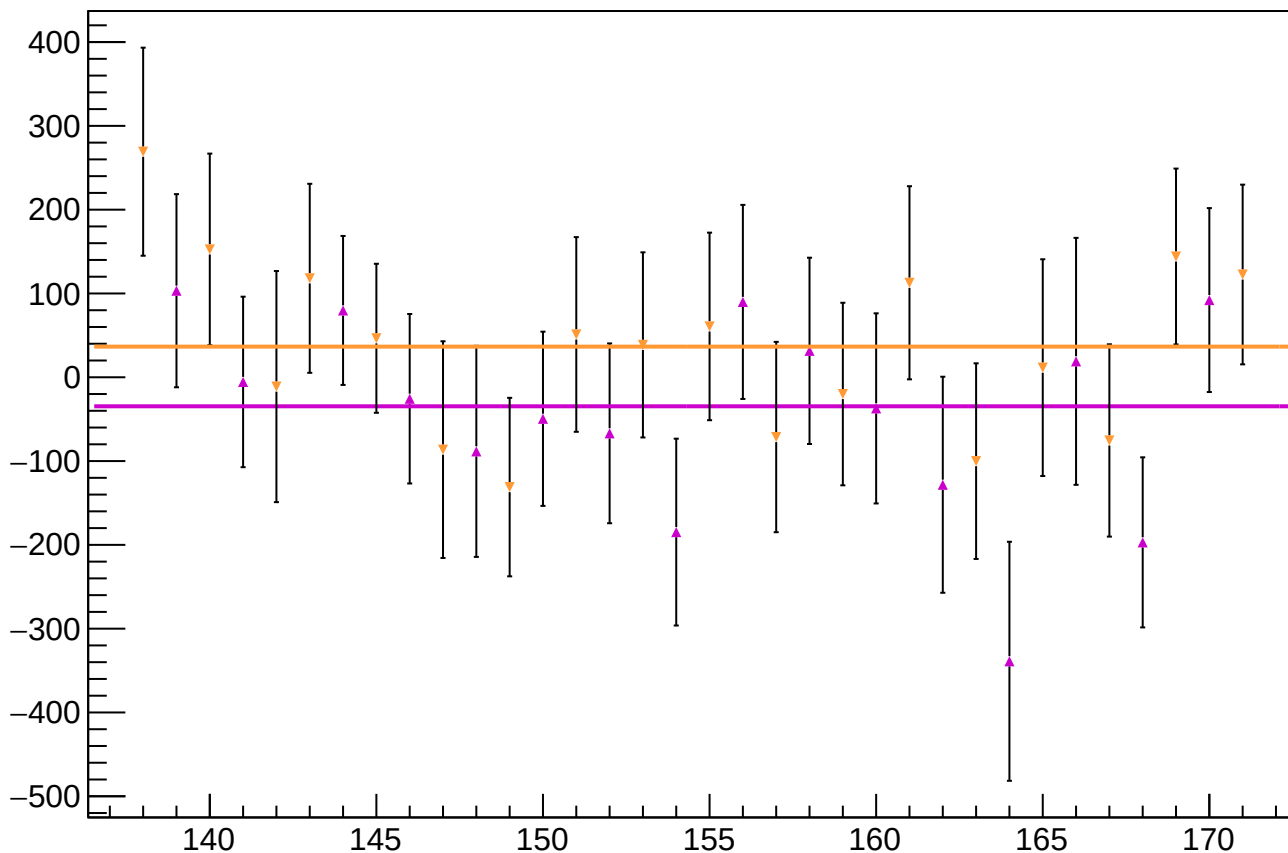
Left In: 498.160 $\pm$ 0.101 χ^2 /NDF:418231.0/15

+ sign 538.744 $\pm$ 0.088 χ^2 /NDF: 2302210.7/34

All: 541.821 $\pm$ 0.063 χ^2 /NDF: 4675339.3/69

- sign 545.070 $\pm$ 0.090 χ^2 /NDF: 2370593.0/34

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 36.562 $\pm$ 26.660 χ^2 /NDF:14.3/17

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

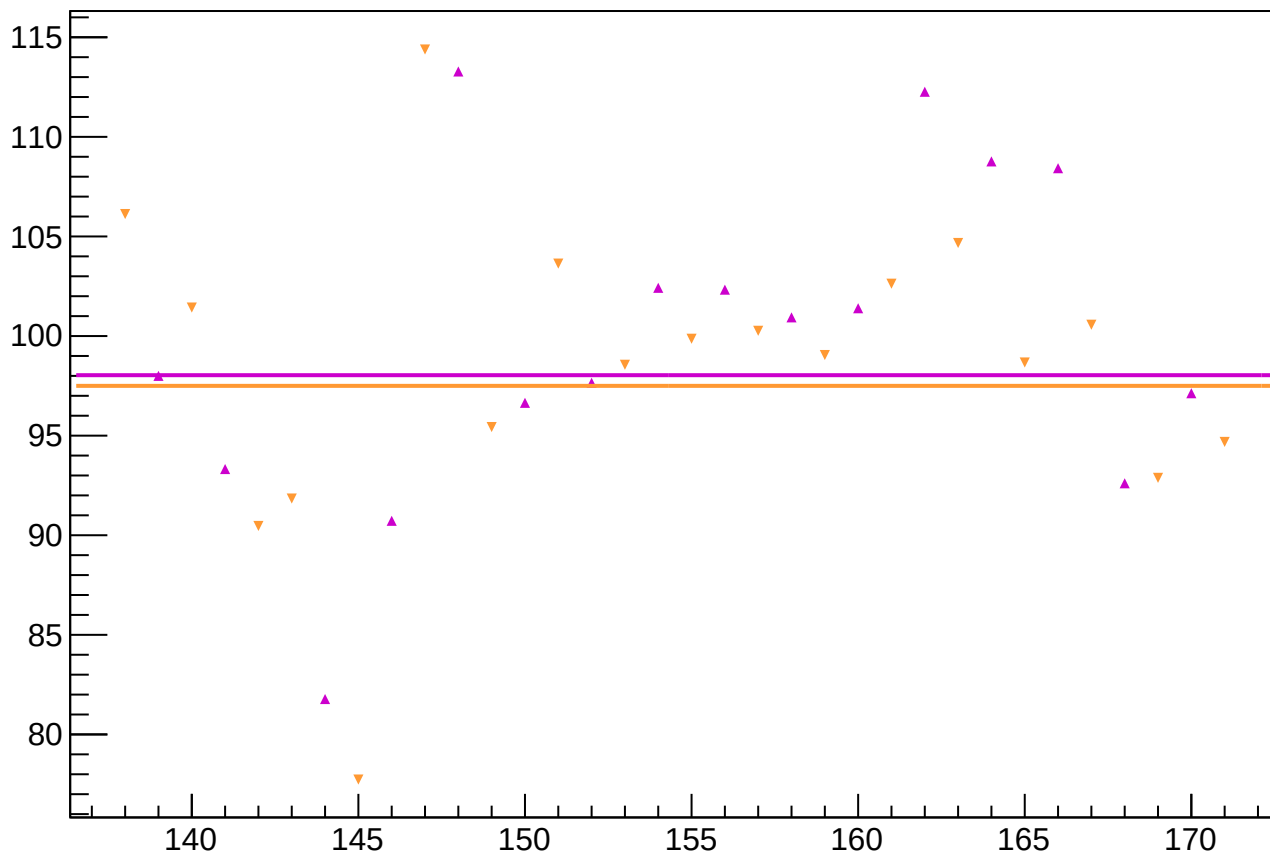
Left In: -34.649 $\pm$ 27.864 χ^2 /NDF:15.9/15

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

All: 2.529 $\pm$ 19.263 χ^2 /NDF: 33.6/33

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

reg_asym_sam_1548_avg_rms vs Slug



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

Left Out: 97.500+/-0.019 χ^2/NDF : 182544.5/17

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

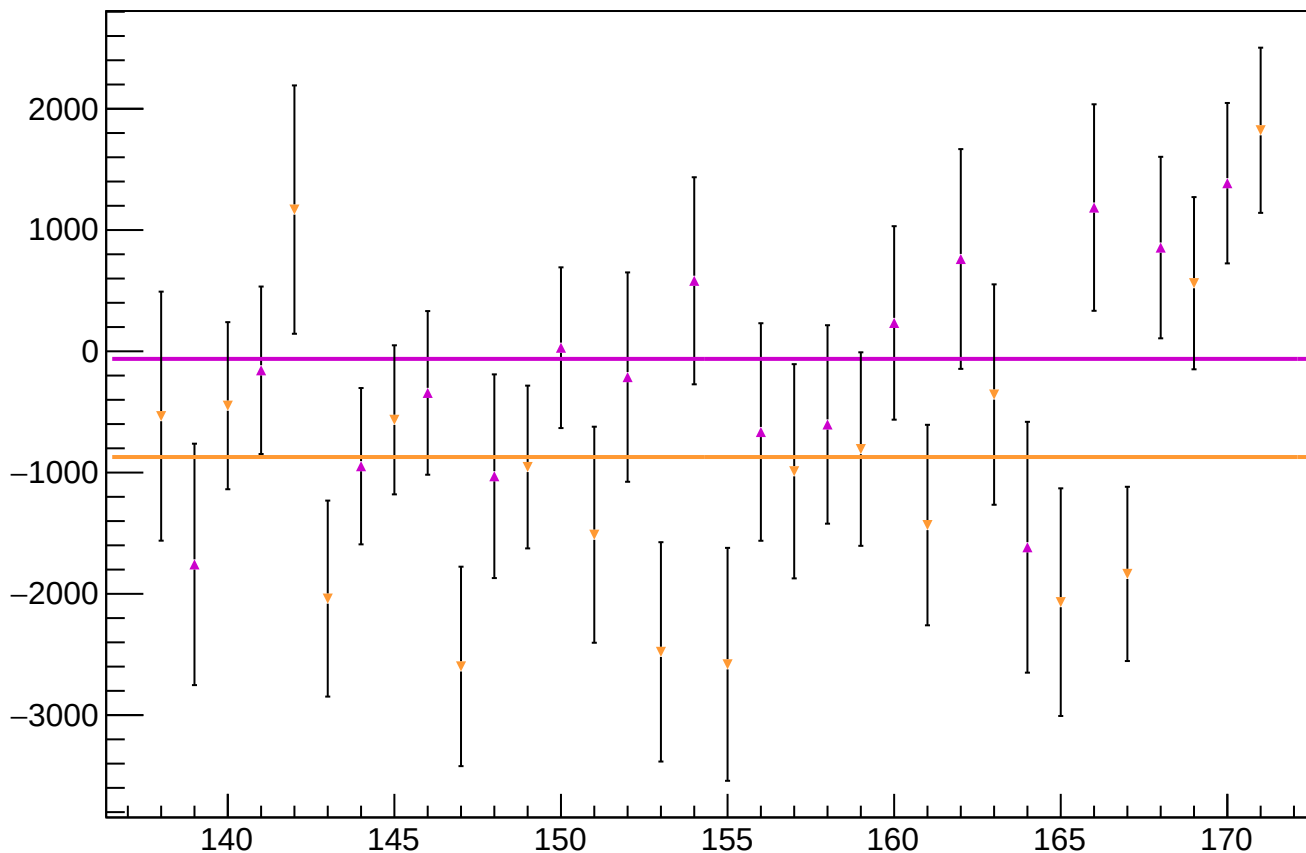
Left In: 98.035+/-0.020 χ^2/NDF : 171804.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 97.756+/-0.014 χ^2/NDF : 354734.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -871.756+/-188.342 χ^2/NDF : 42.0/17

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

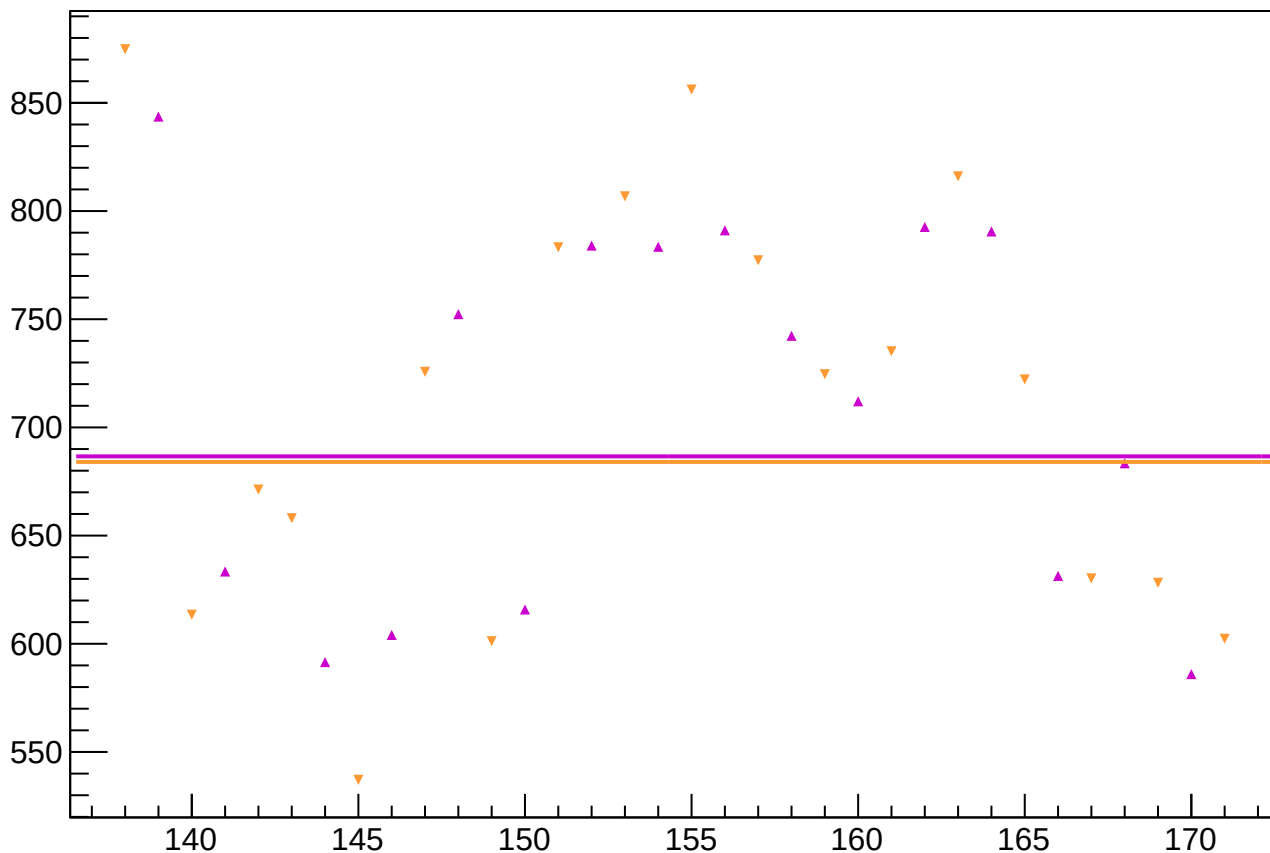
Left In: -62.526+/-196.009 χ^2/NDF : 19.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -483.276+/-135.807 χ^2/NDF : 70.4/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 684.056+/-0.133 χ^2/NDF : 501149.8/17

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

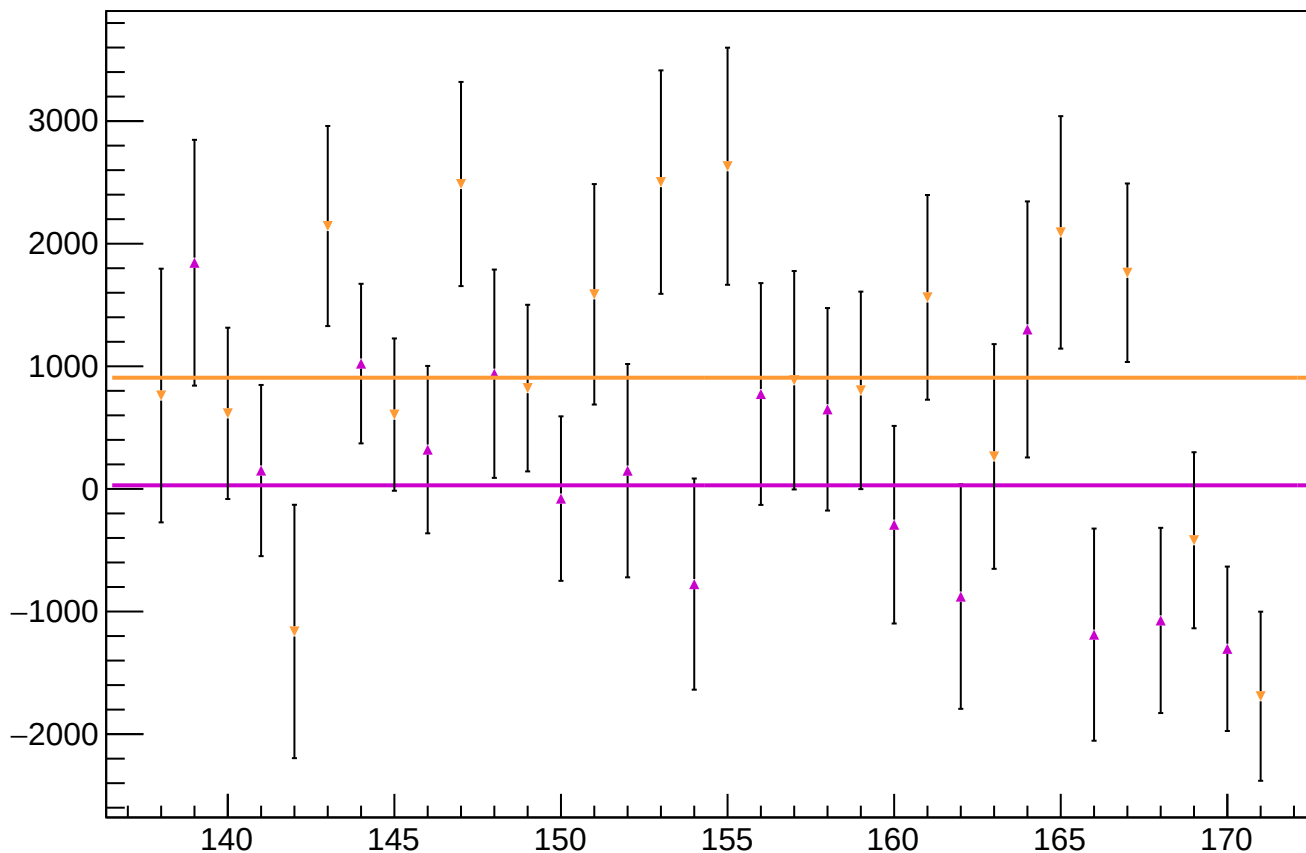
Left In: 686.623+/-0.139 χ^2/NDF : 362132.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 685.288+/-0.096 χ^2/NDF : 863460.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_mean vs Slug



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

Left Out: 907.088+/-190.341 χ^2/NDF : 38.8/17

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

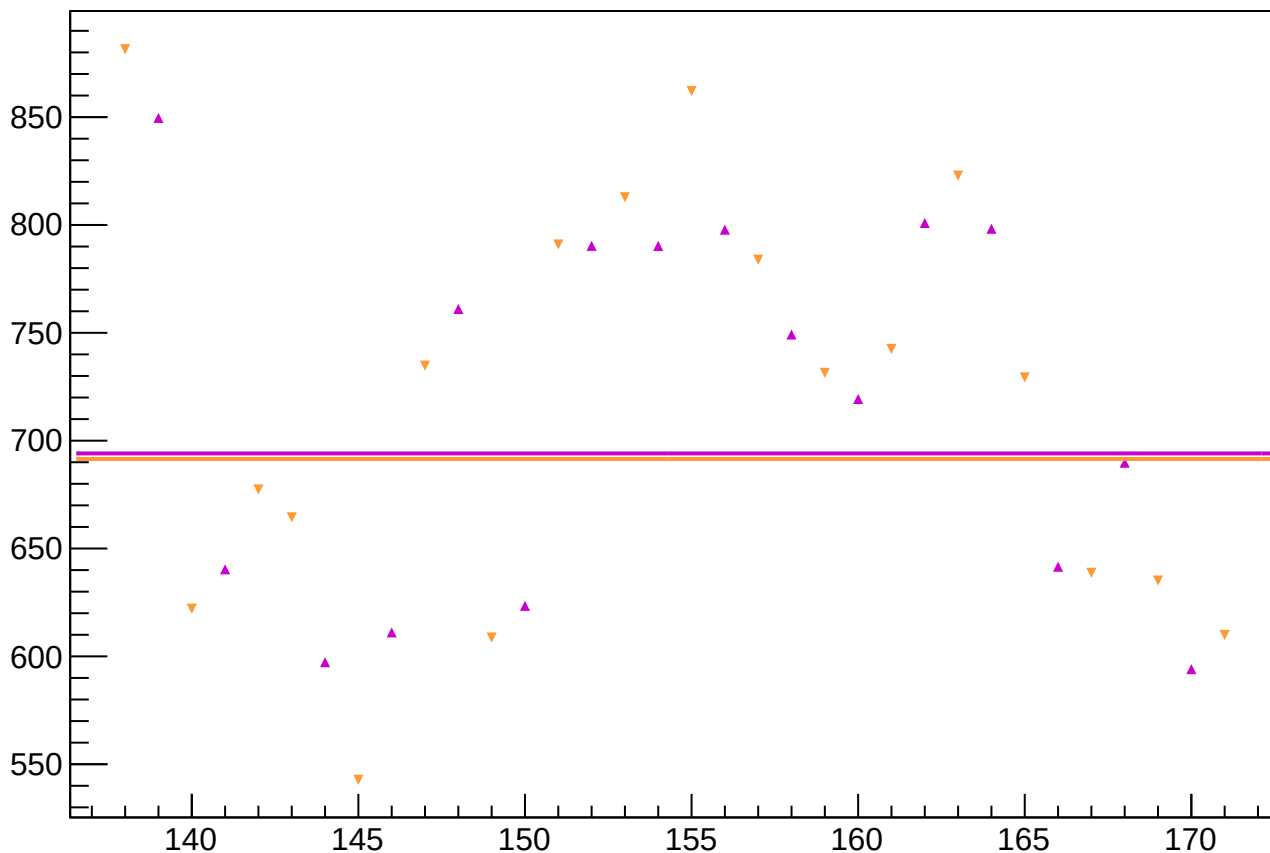
Left In: 29.352+/-198.097 χ^2/NDF : 19.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 485.739+/-137.252 χ^2/NDF : 68.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_rms vs Slug



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

Left Out: 691.506+/-0.135 χ^2/NDF : 490741.8/17

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

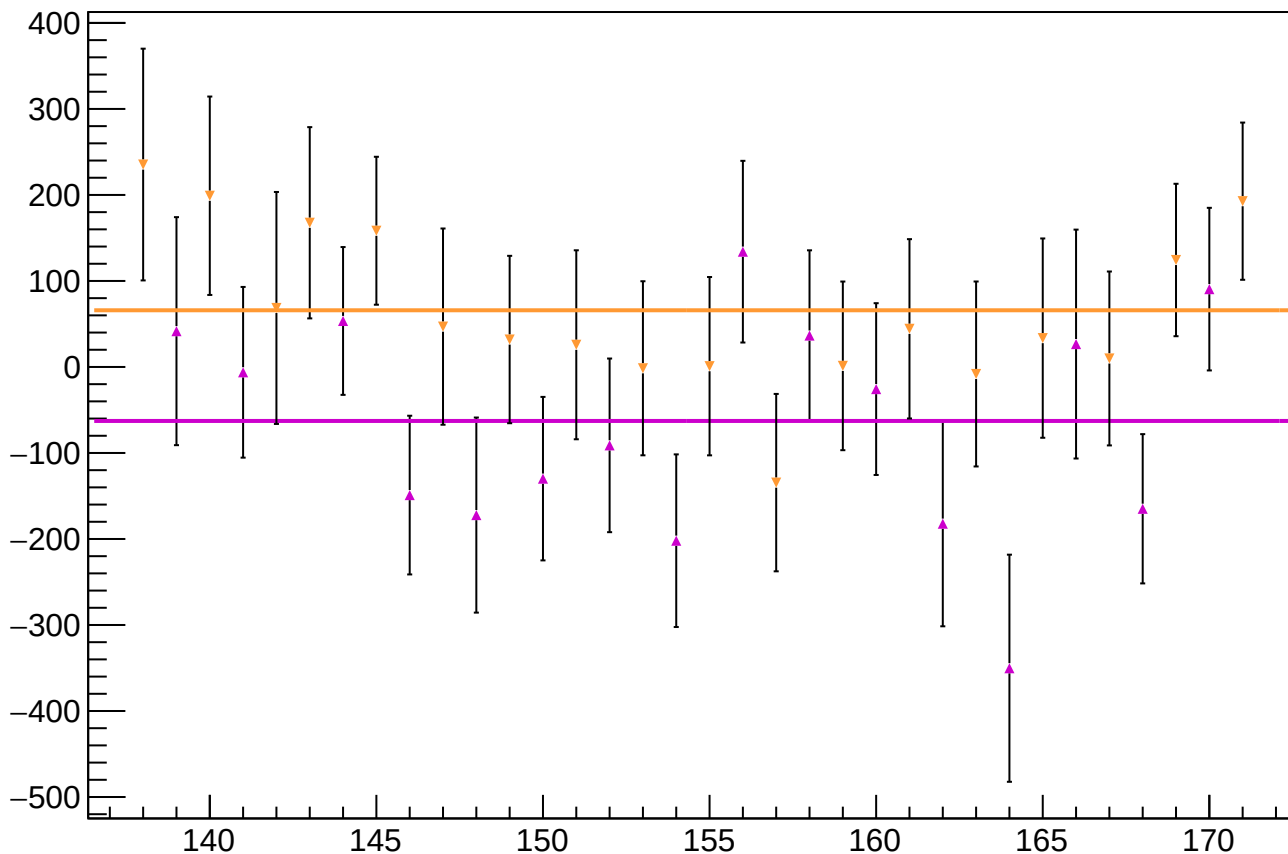
Left In: 694.094+/-0.140 χ^2/NDF : 354067.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 692.748+/-0.097 χ^2/NDF : 844986.6/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 65.906+/-24.594 χ^2/NDF :13.5/17

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

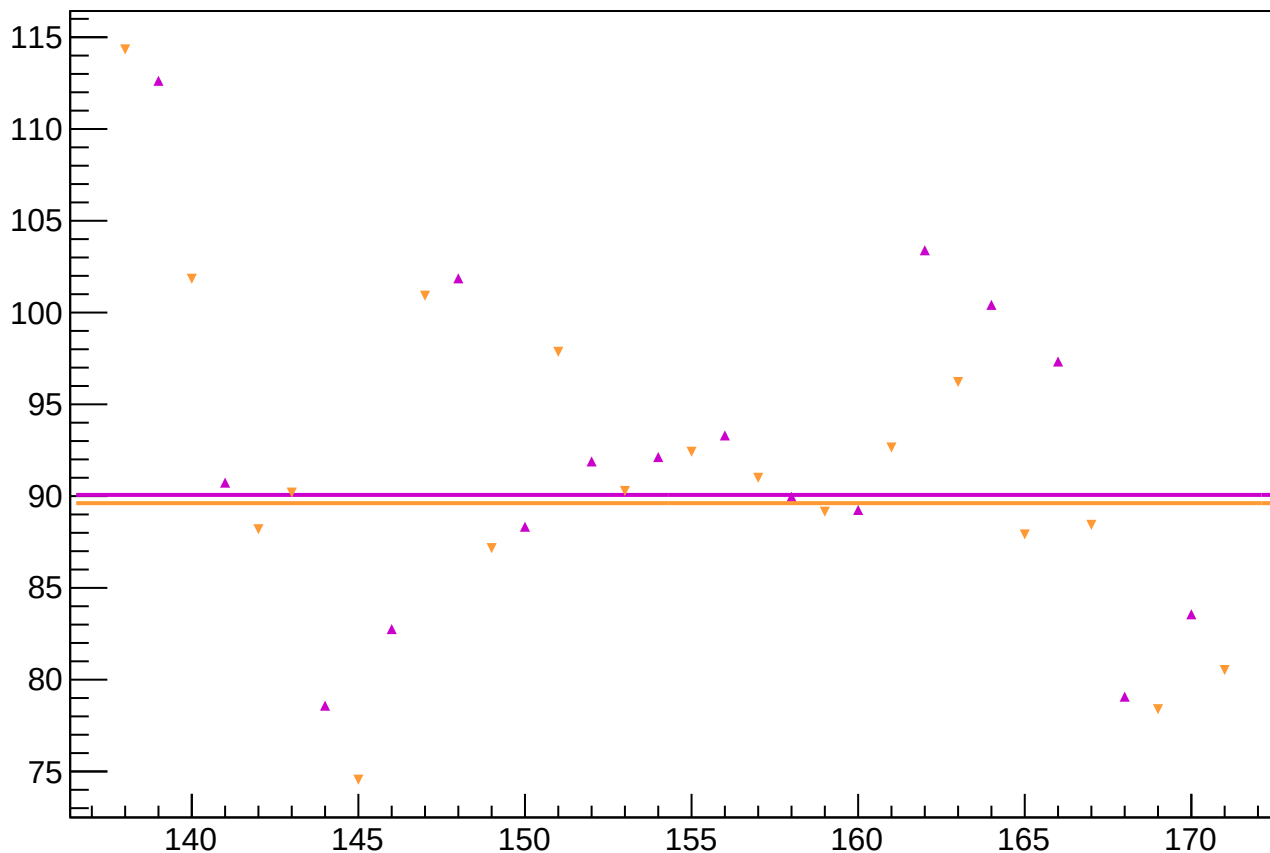
Left In: -62.778+/-25.669 χ^2/NDF :21.9/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4.316+/-17.758 χ^2/NDF : 48.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 89.616+/-0.017 χ^2/NDF :247370.8/17

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

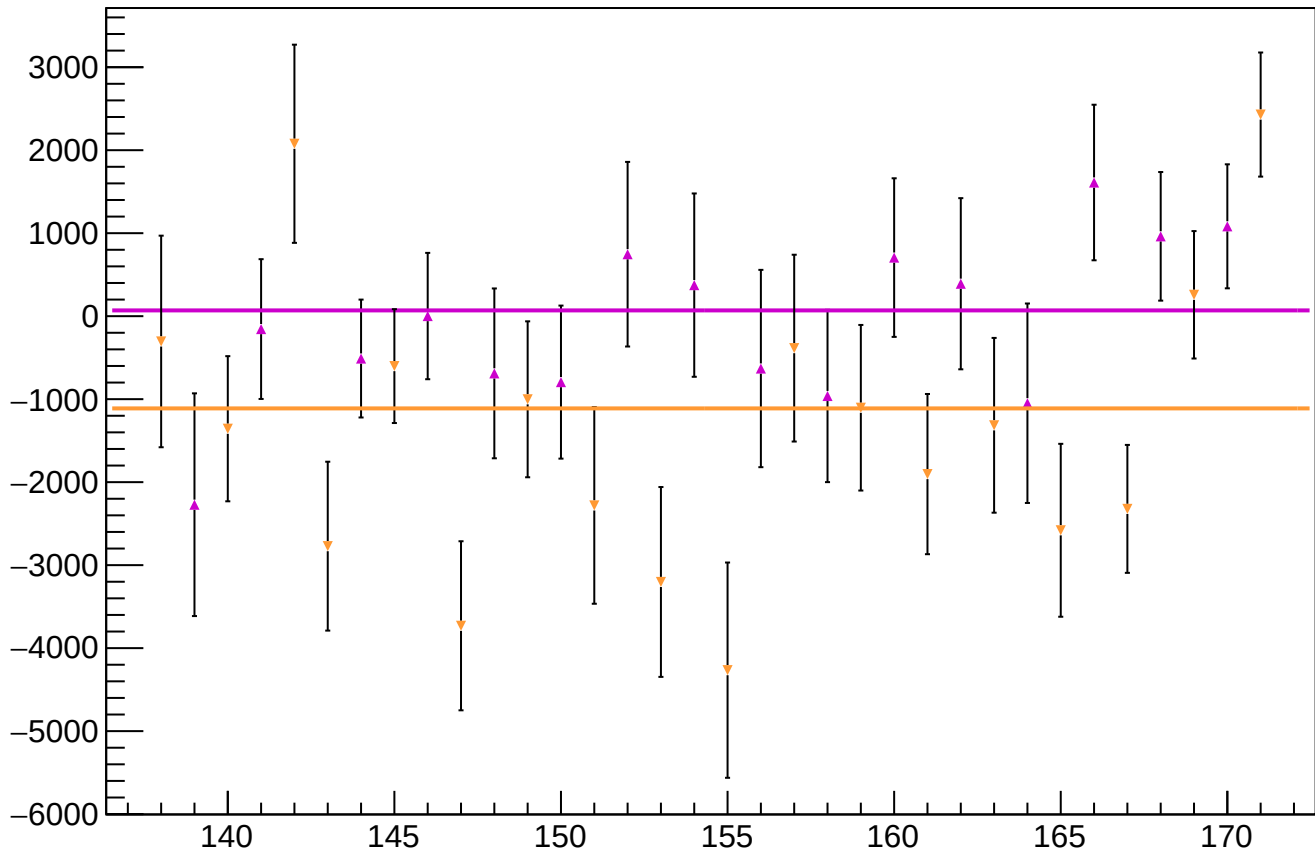
Left In: 90.066+/-0.018 χ^2/NDF :216868.2/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 89.832+/-0.013 χ^2/NDF : 464558.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -1111.361 $\pm$ 225.063 χ^2 /NDF:58.9/17

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

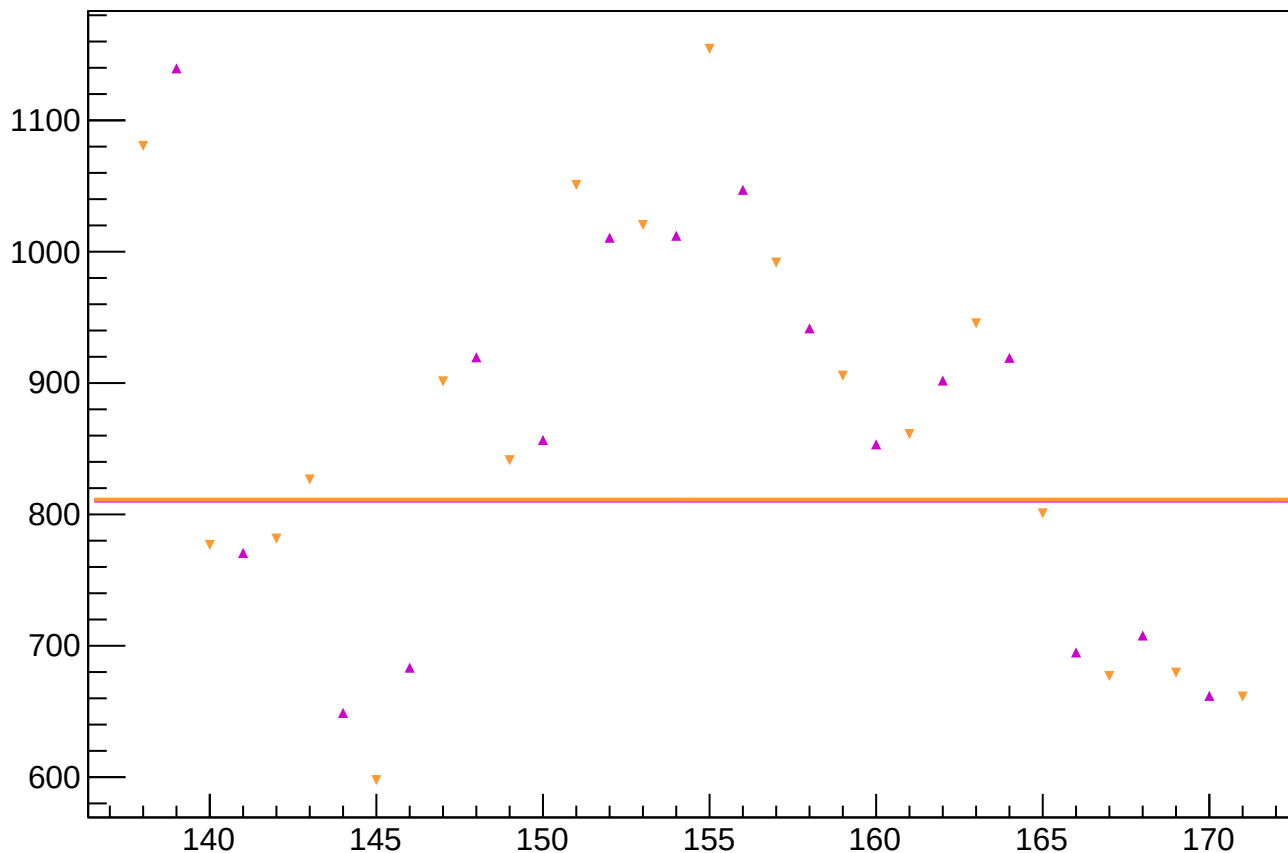
Left In: 69.511 $\pm$ 233.178 χ^2 /NDF:14.3/15

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

All: -541.830 $\pm$ 161.937 χ^2 /NDF: 86.4/33

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

asym_sam_3748_avg_correction_rms vs Slug



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

Left Out: 811.273+/-0.159 χ^2/NDF : 901434.9/17

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

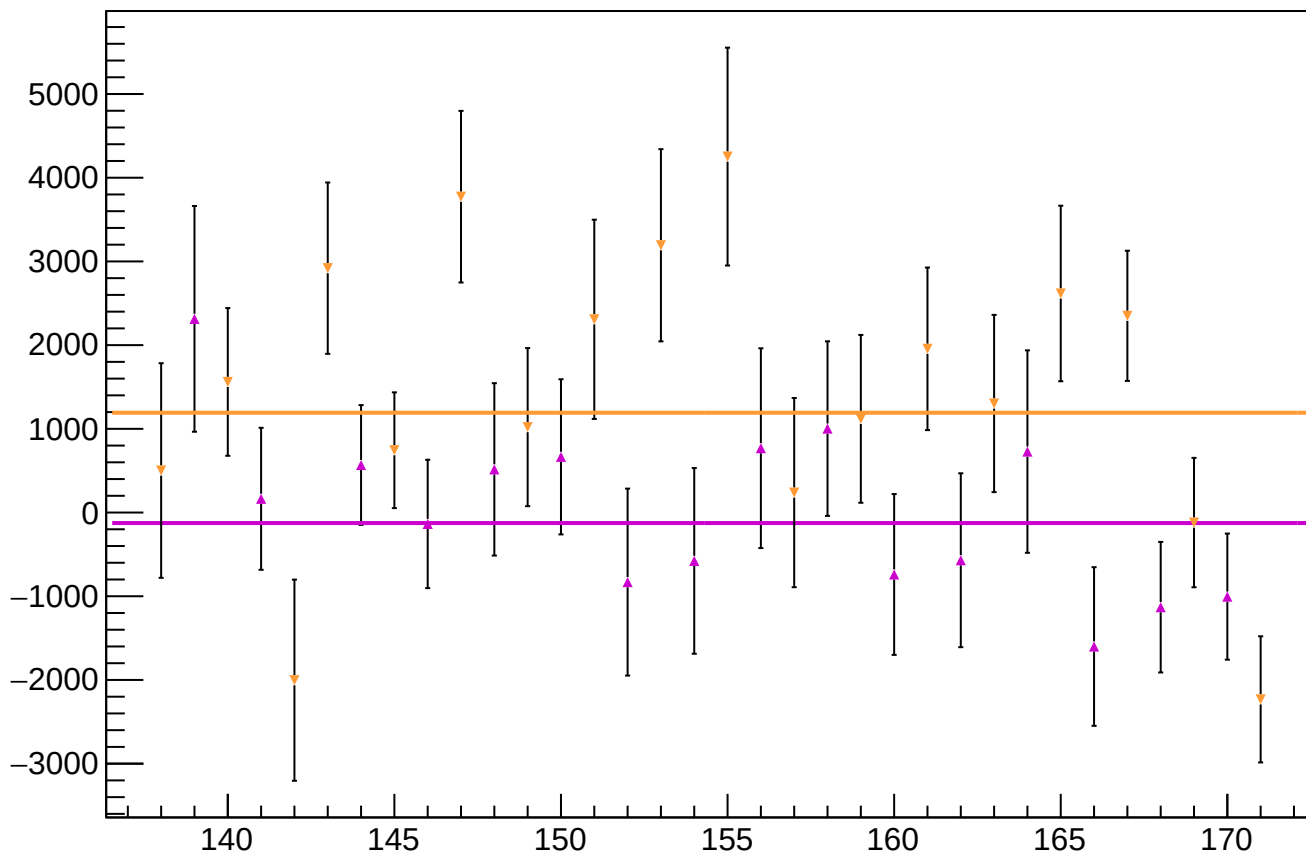
Left In: 810.557+/-0.165 χ^2/NDF : 735249.7/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 810.927+/-0.115 χ^2/NDF : 1636694.4/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_mean vs Slug



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

Left Out: 1192.155+/-226.535 χ^2/NDF : 55.6/17

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

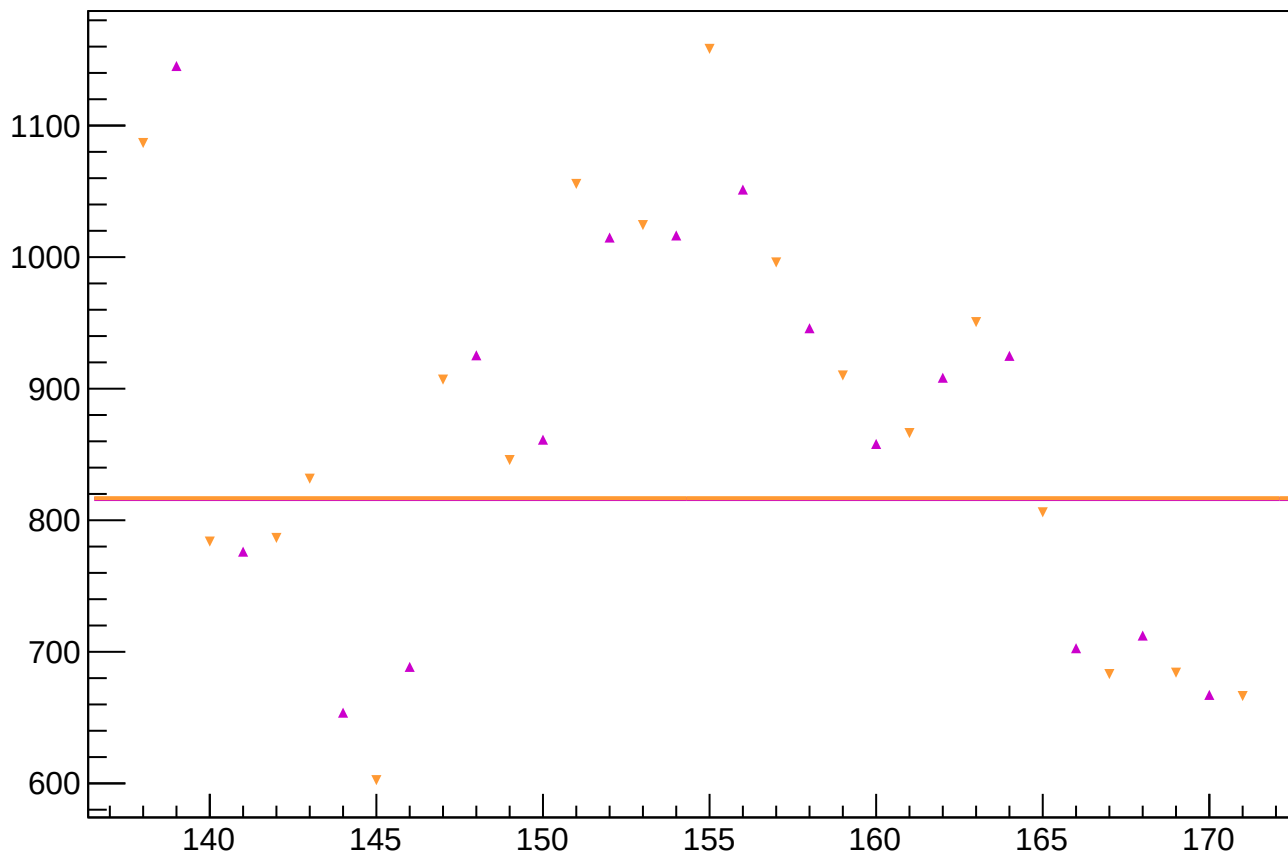
Left In: -125.506+/-234.722 χ^2/NDF : 14.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 556.706+/-163.002 χ^2/NDF : 86.2/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_rms vs Slug



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

Left Out: 816.782+/-0.160 χ^2/NDF : 888841.6/17

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

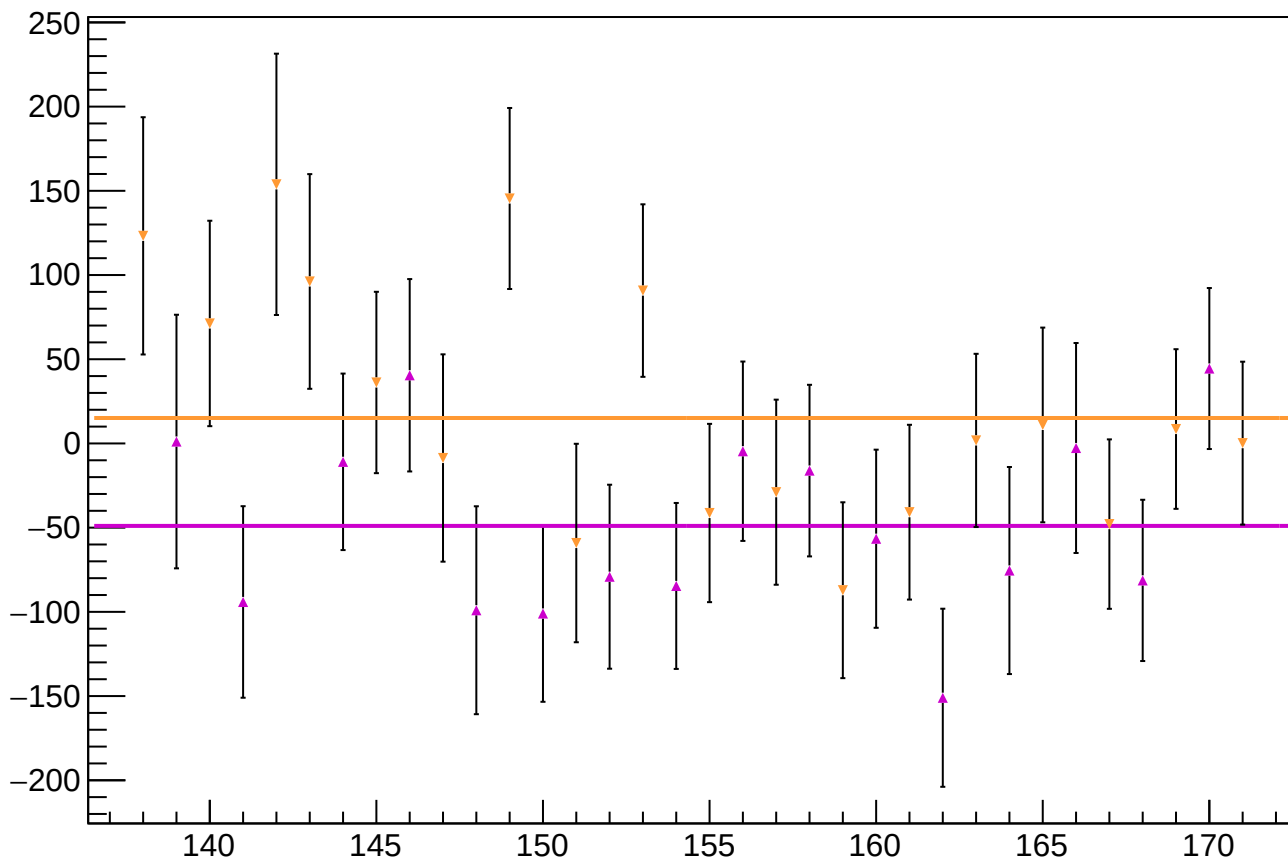
Left In: 816.120+/-0.166 χ^2/NDF : 724338.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 816.463+/-0.115 χ^2/NDF : 1613188.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 15.110+/-13.043 χ^2/NDF : 26.5/17

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

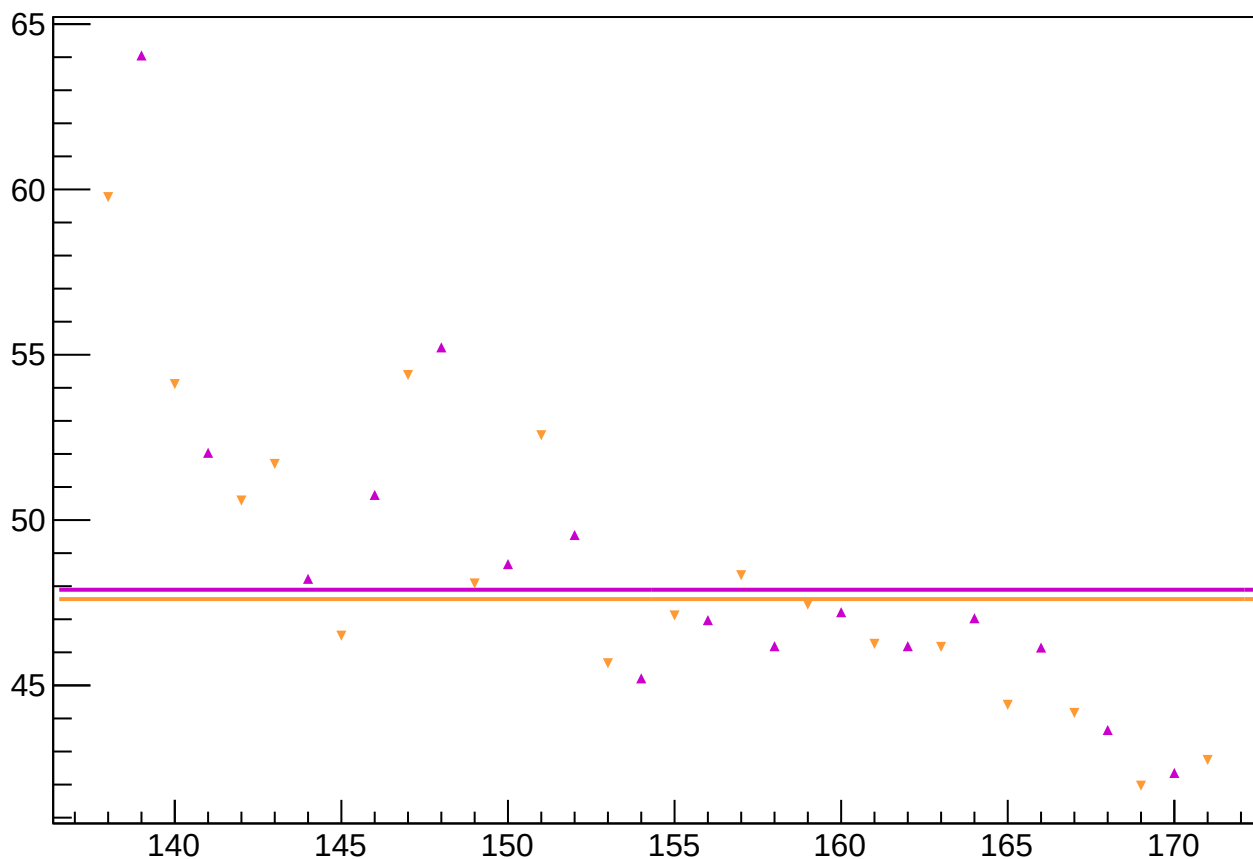
Left In: -48.960+/-13.635 χ^2/NDF : 16.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -15.504+/-9.425 χ^2/NDF : 54.4/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 47.610+/-0.009 χ^2/NDF :203313.0/17

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

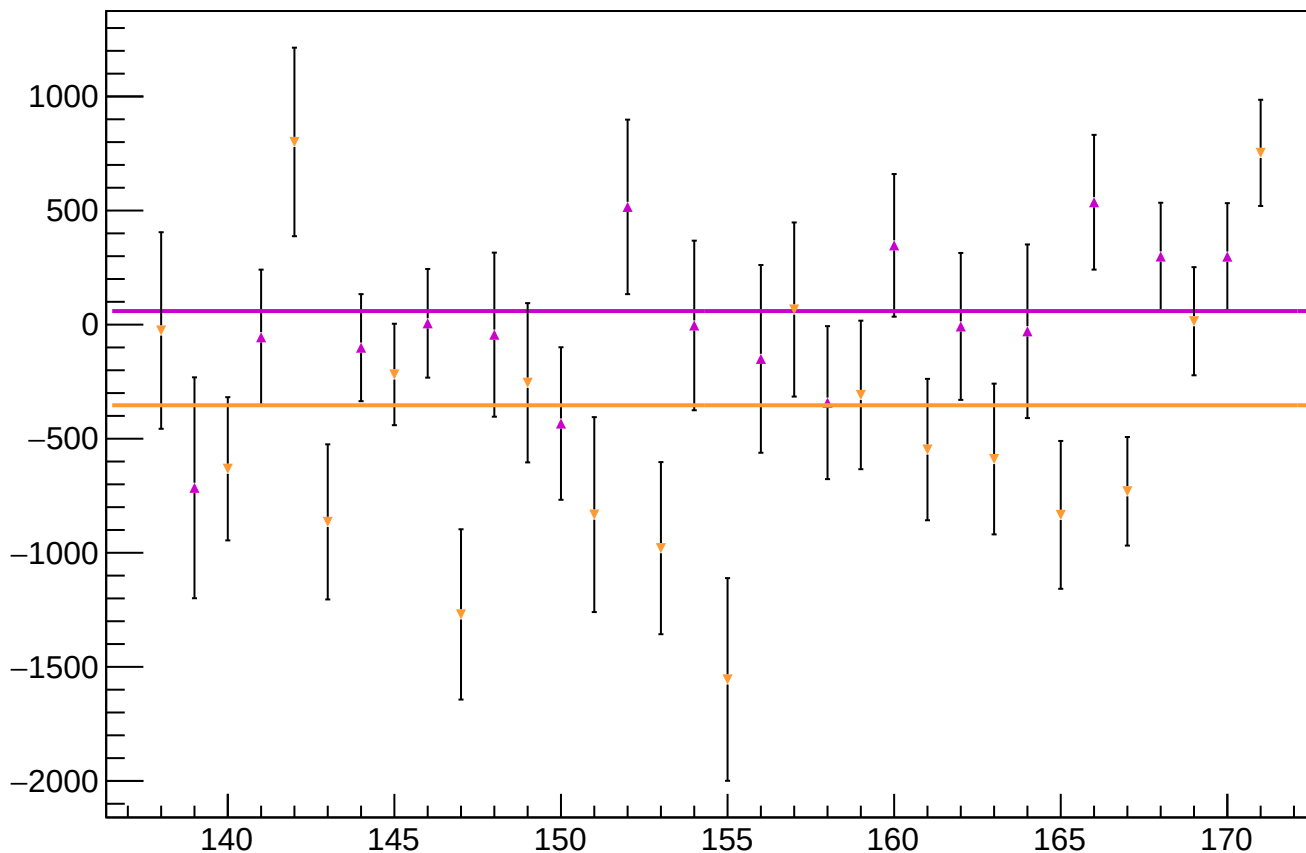
Left In: 47.893+/-0.010 χ^2/NDF :194047.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.745+/-0.007 χ^2/NDF : 397811.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -353.403 $\pm$ 74.005 χ^2 /NDF:61.1/17

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

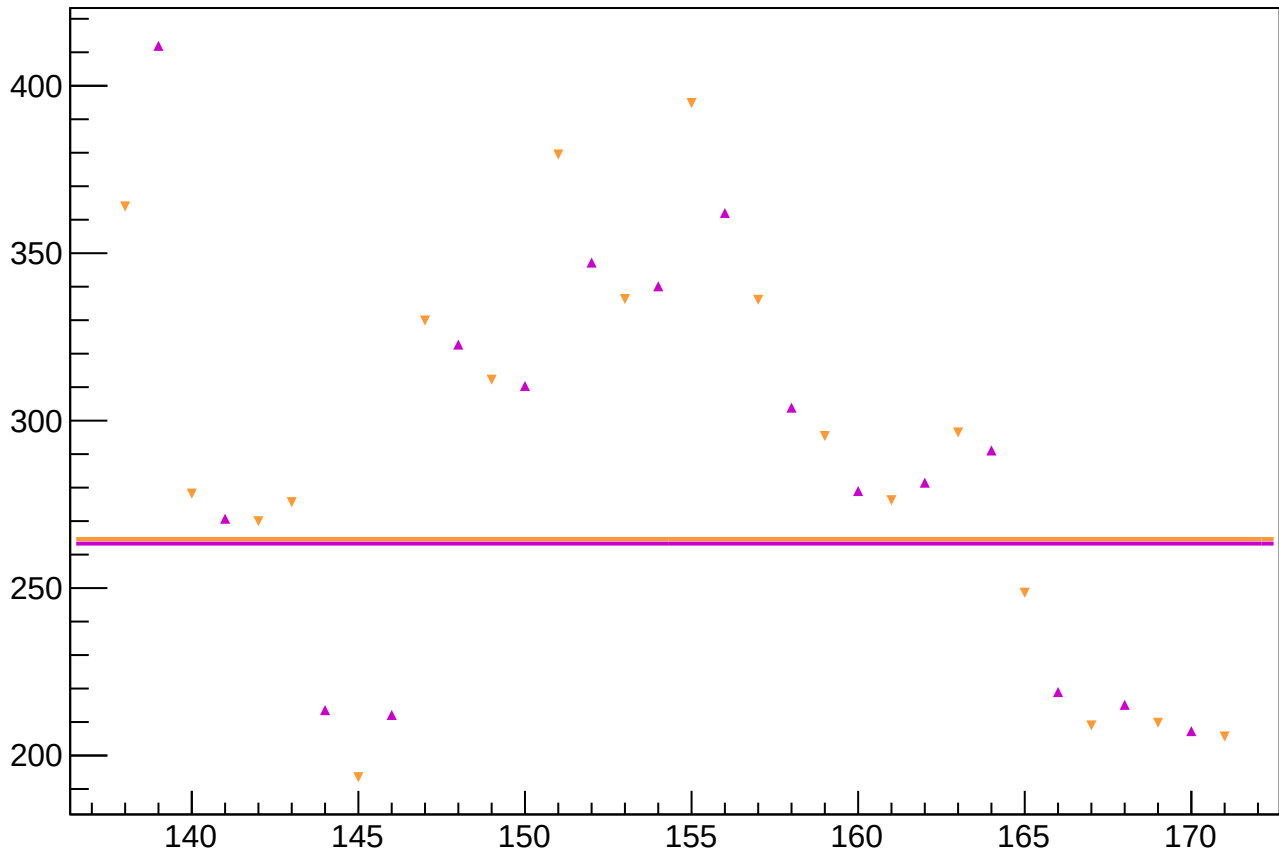
Left In: 59.464 $\pm$ 76.351 χ^2 /NDF:14.3/15

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

All: -153.408 $\pm$ 53.140 χ^2 /NDF: 90.4/33

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

asym_sam_1526_avg_correction_rms vs Slug



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

Left Out: 264.656+/-0.052 χ^2/NDF :1263319.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

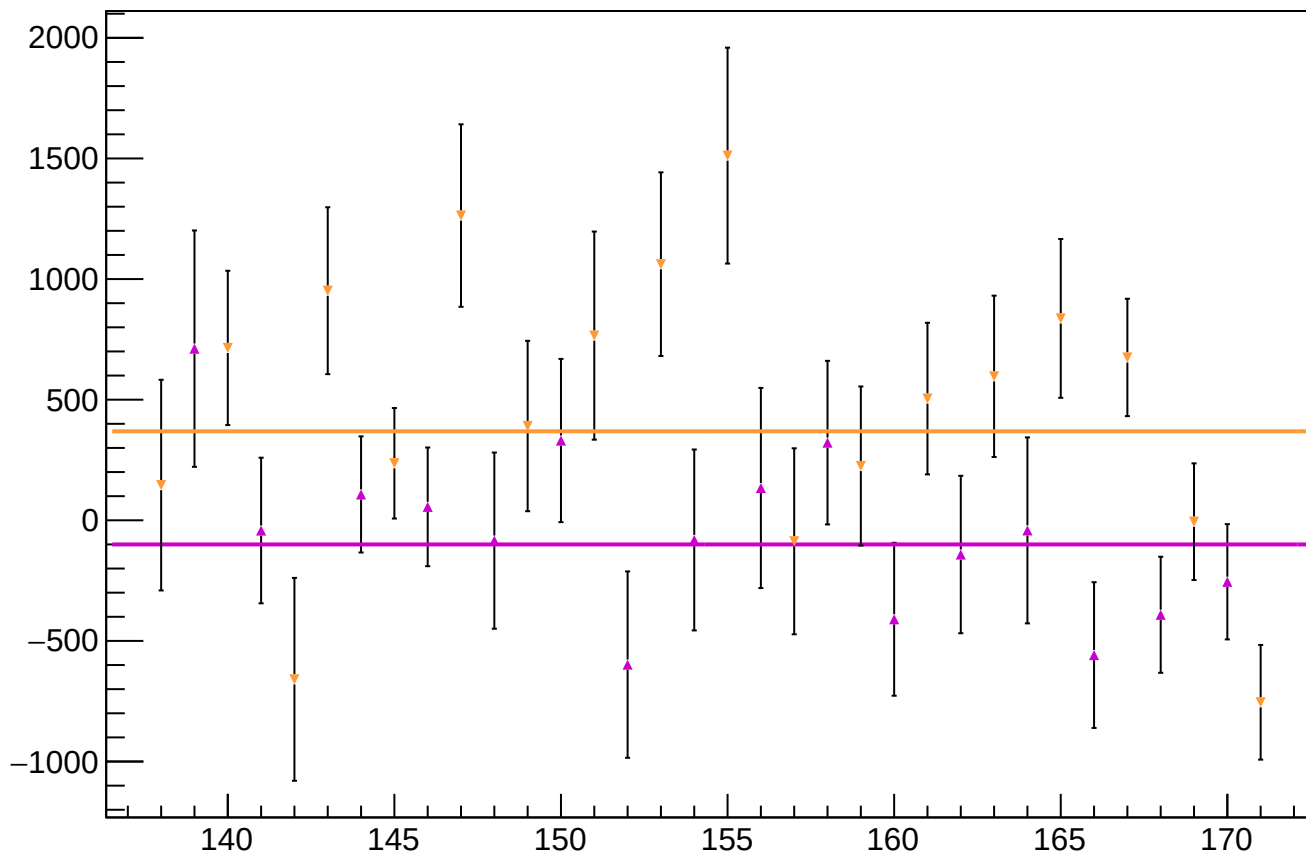
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 263.993+/-0.038 χ^2/NDF : 2321304.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 263.286+/-0.054 χ^2/NDF :1057652.9/15

asym_sam_1526_avg_mean vs Slug



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

Left Out: 368.945+/-75.318 χ^2/NDF :57.4/17

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

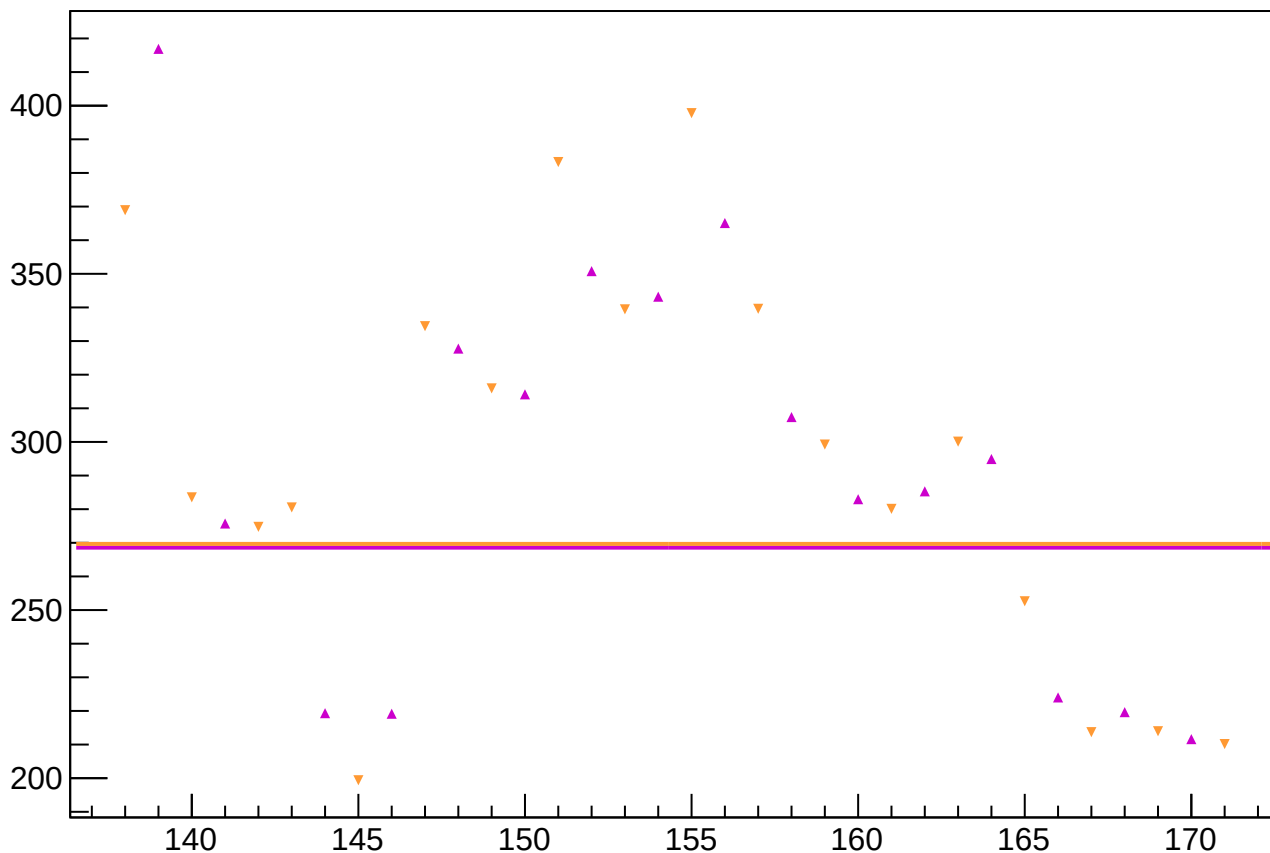
Left In: -100.050+/-77.781 χ^2/NDF :14.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 141.992+/-54.108 χ^2/NDF : 90.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_rms vs Slug



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

Left Out: 269.676+/-0.053 χ^2/NDF :1203706.5/17

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

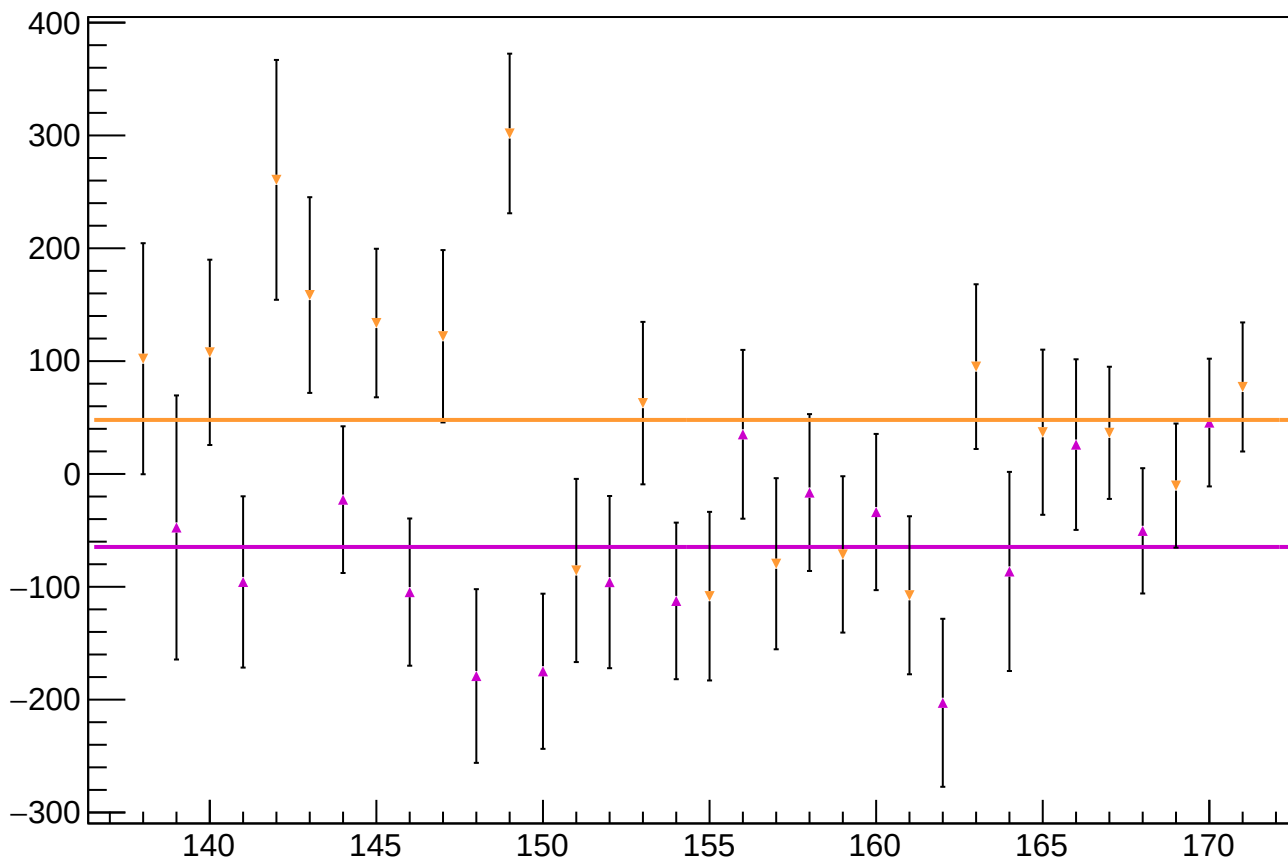
Left In: 268.567+/-0.055 χ^2/NDF :1000491.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 269.139+/-0.038 χ^2/NDF : 2204407.6/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 47.891+/-16.952 χ^2/NDF : 41.7/17

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

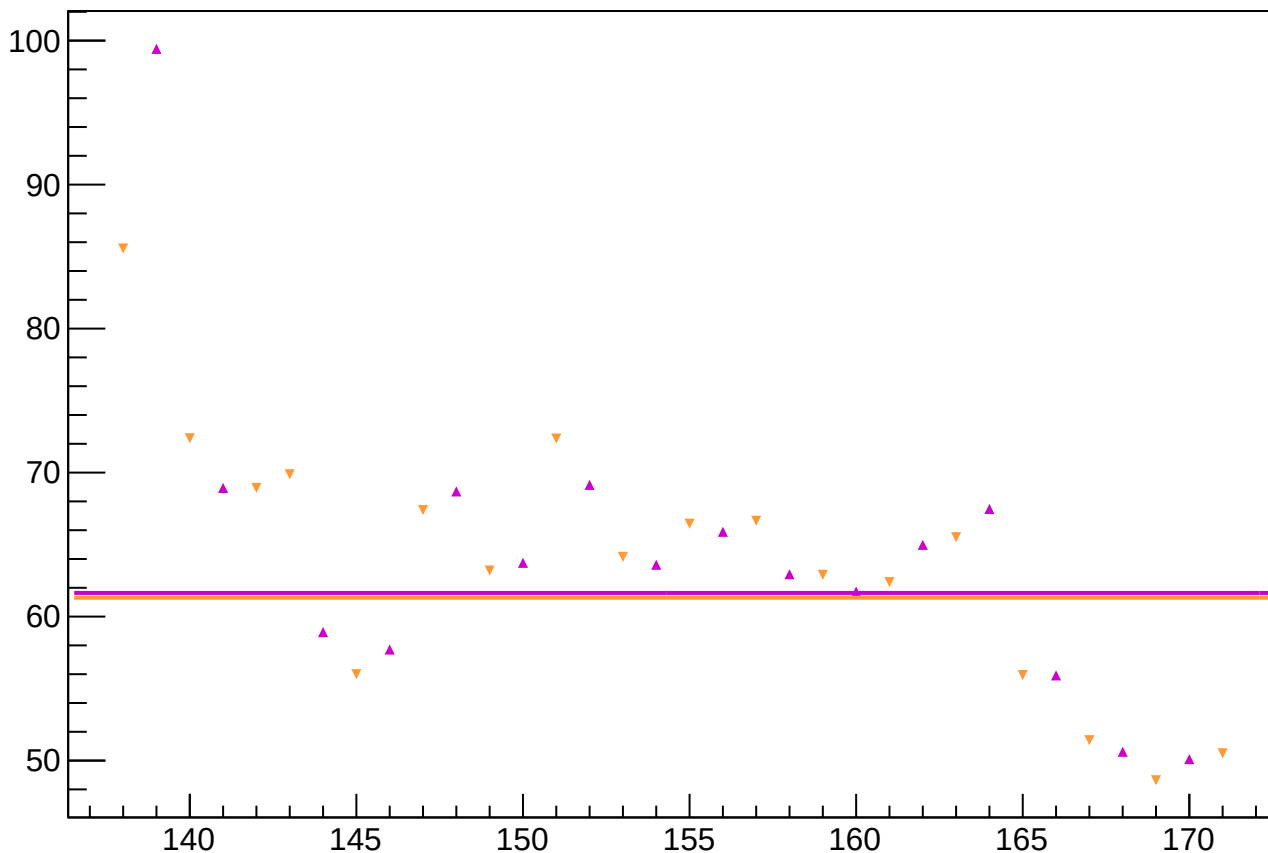
Left In: -64.688+/-17.697 χ^2/NDF : 17.7/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -5.978+/-12.242 χ^2/NDF : 80.4/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 61.310+/-0.012 χ^2/NDF : 518890.4/17

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

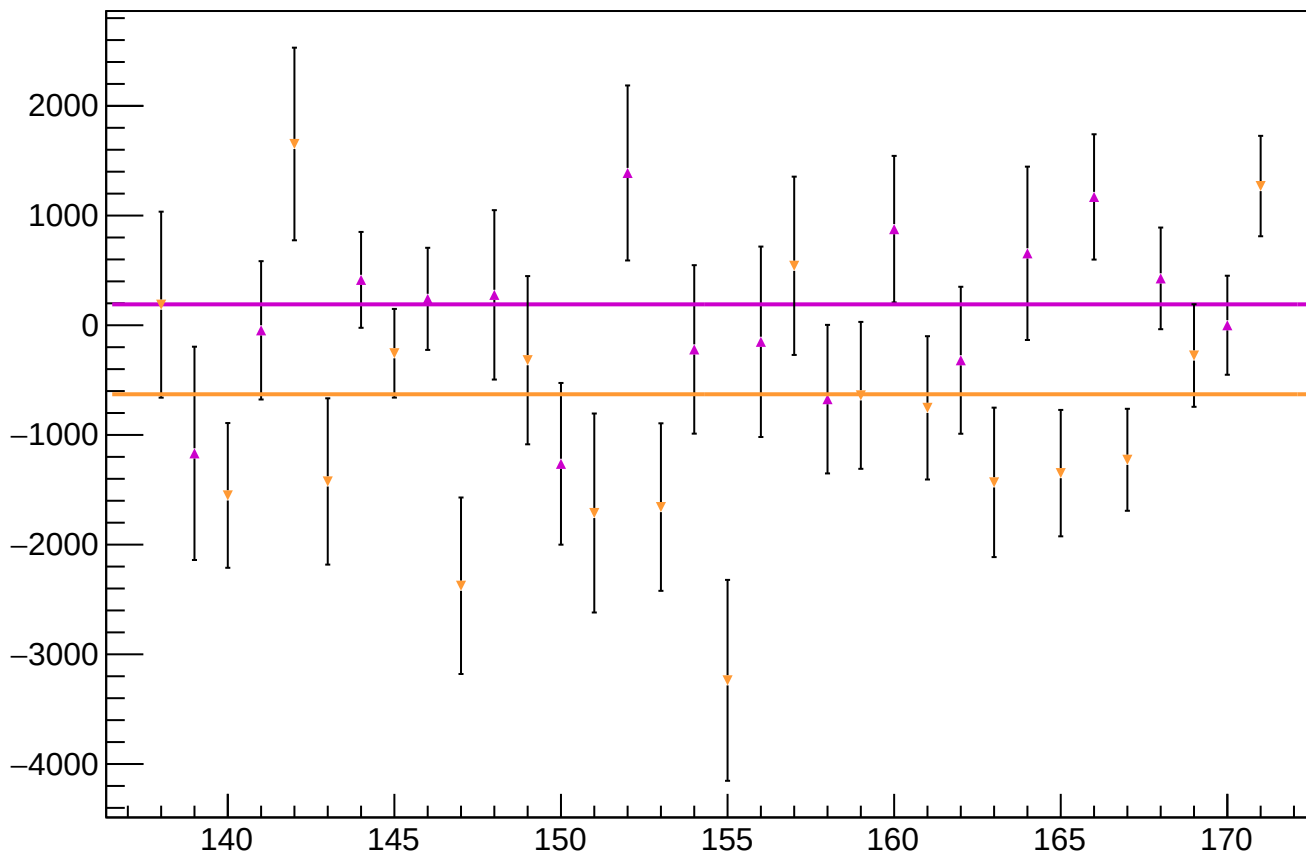
Left In: 61.645+/-0.013 χ^2/NDF : 470822.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 61.470+/-0.009 χ^2/NDF : 990085.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -629.143 $\pm$ 148.343 χ^2 /NDF:52.3/17

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

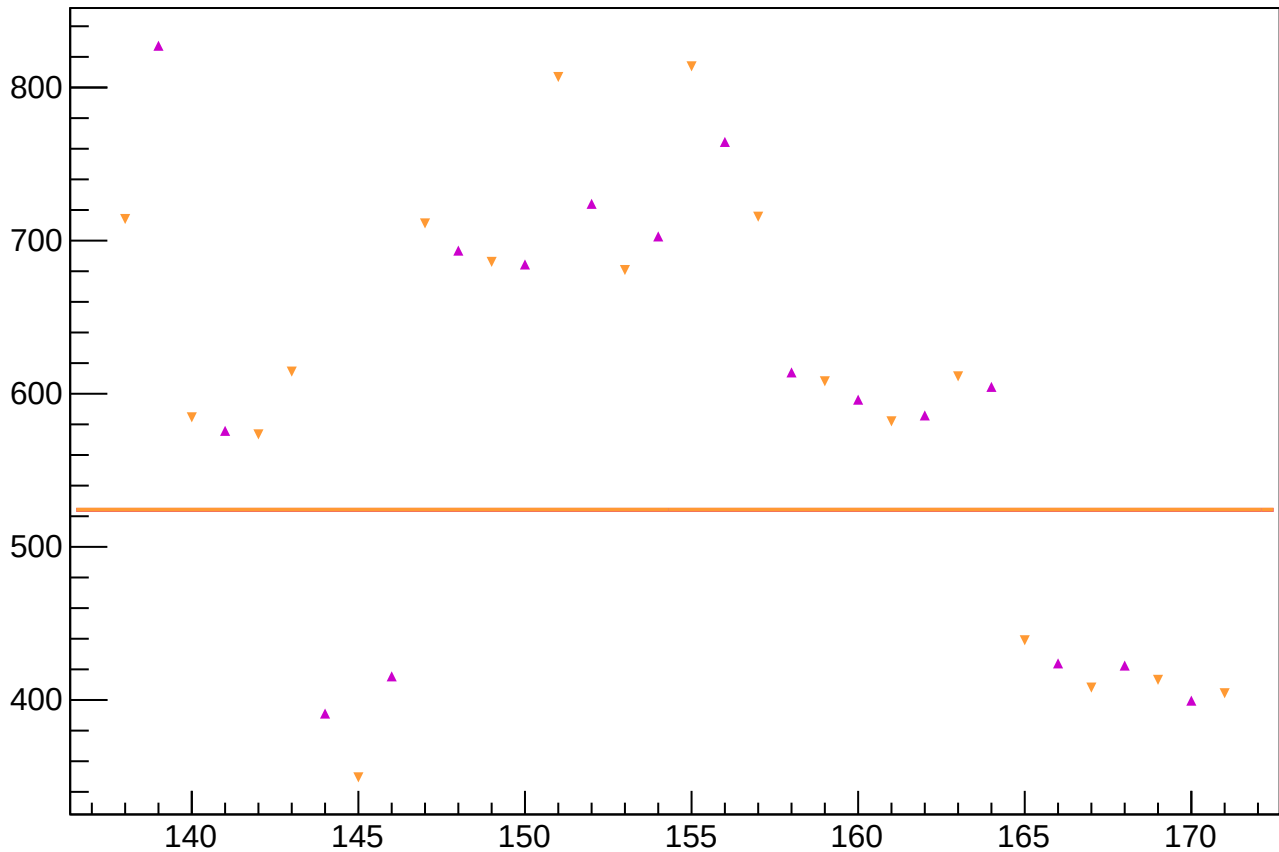
Left In: 190.576 $\pm$ 153.546 χ^2 /NDF:15.9/15

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

All: -233.407 $\pm$ 106.686 χ^2 /NDF: 83.0/33

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

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 524.252+/-0.105 χ^2/NDF :1810134.5/17

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

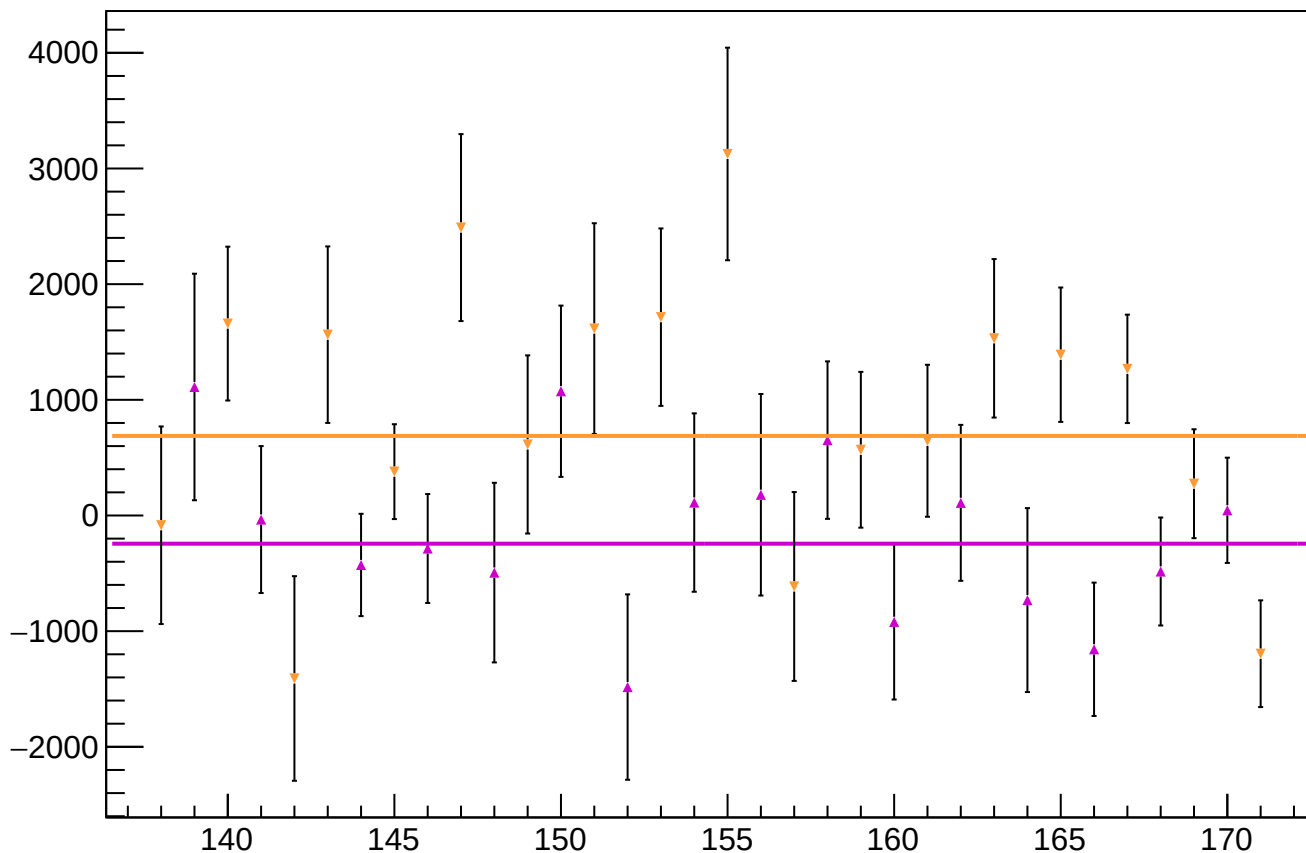
Left In: 524.121+/-0.109 χ^2/NDF :1486070.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 524.189+/-0.075 χ^2/NDF : 3296205.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_mean vs Slug



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

Left Out: 687.921 $\pm$ 149.466 χ^2 /NDF:49.8/17

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

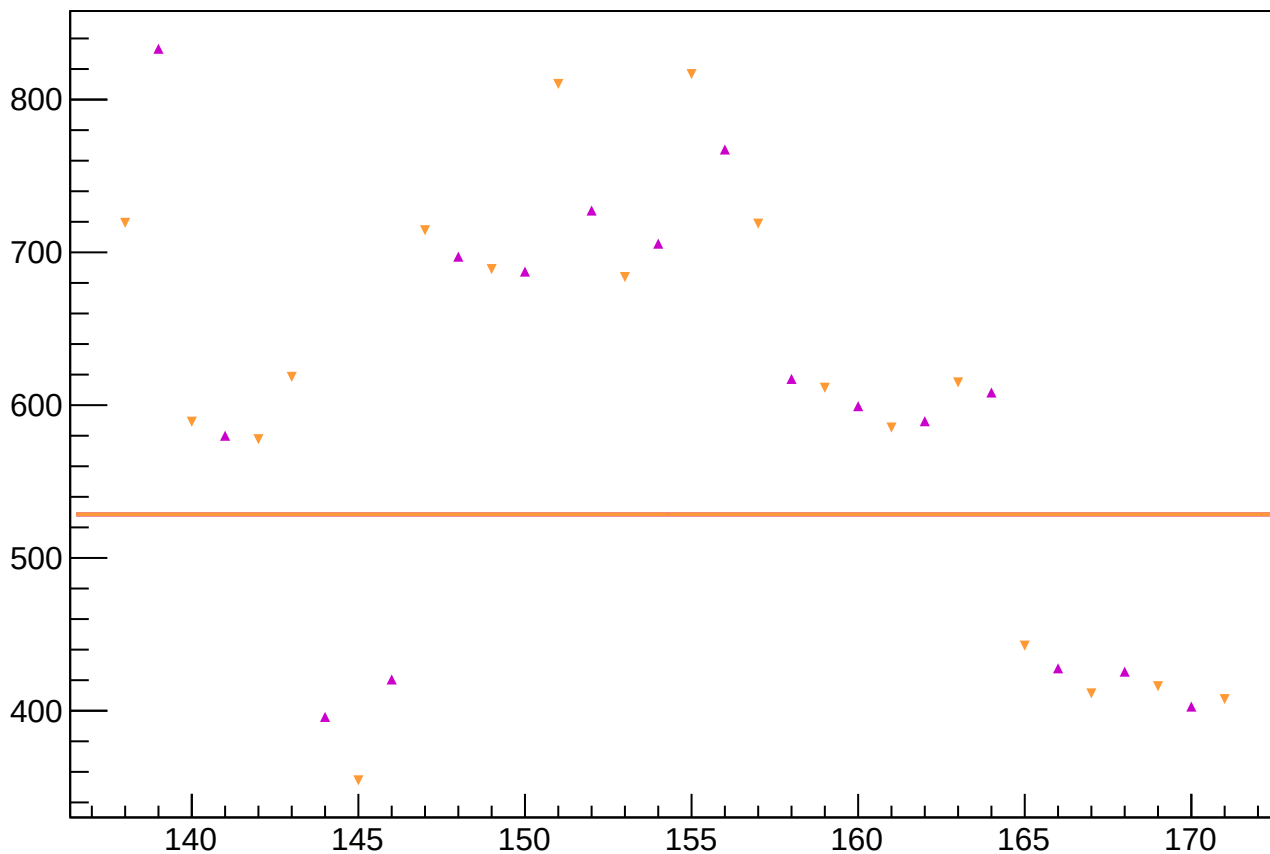
Left In: -243.801 $\pm$ 154.736 χ^2 /NDF:14.9/15

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

All: 238.195 $\pm$ 107.503 χ^2 /NDF: 83.5/33

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

asym_sam_3726_avg_rms vs Slug



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

Left Out: 528.537+/-0.106 χ^2/NDF :1779633.4/17

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

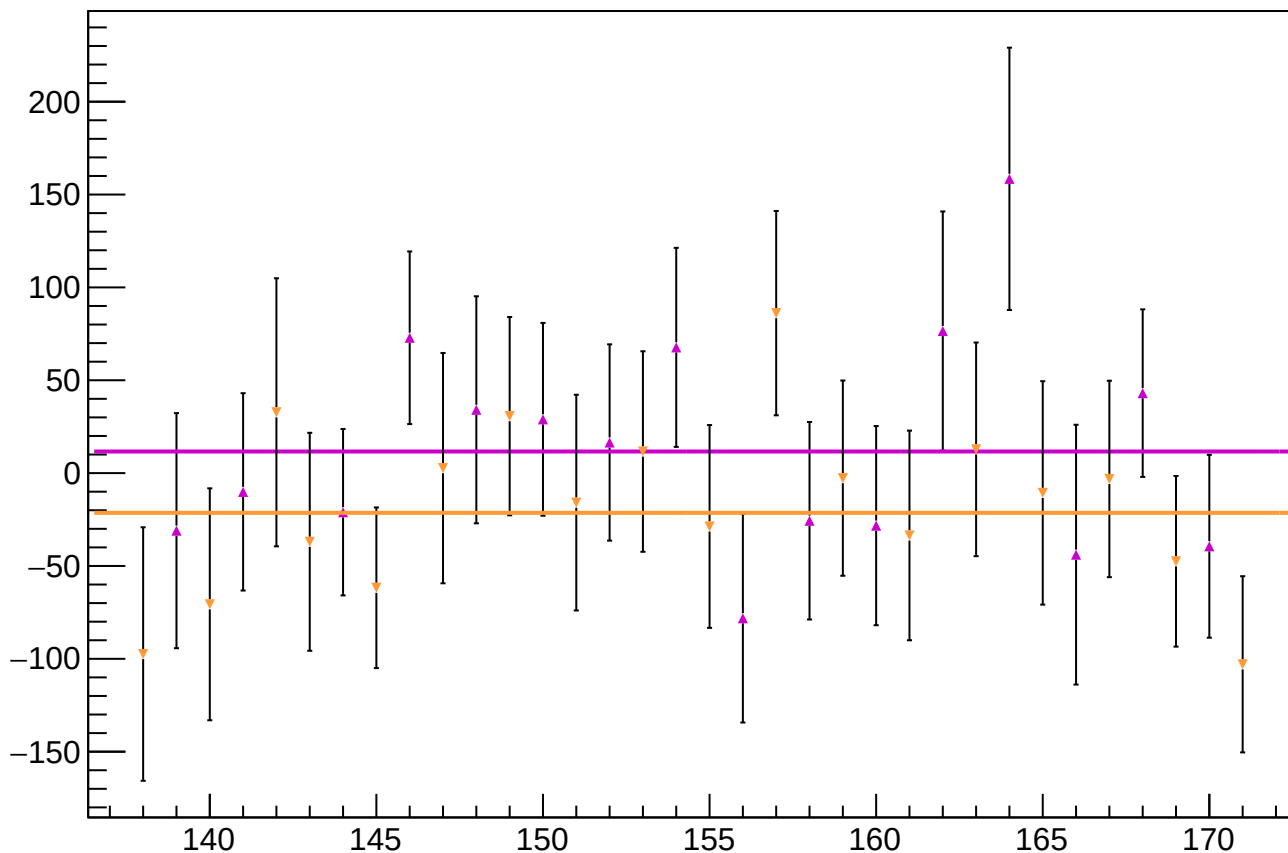
Left In: 528.482+/-0.109 χ^2/NDF :1461006.2/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 528.511+/-0.076 χ^2/NDF : 3240639.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -21.386+/-12.981 χ^2/NDF : 12.6/17

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

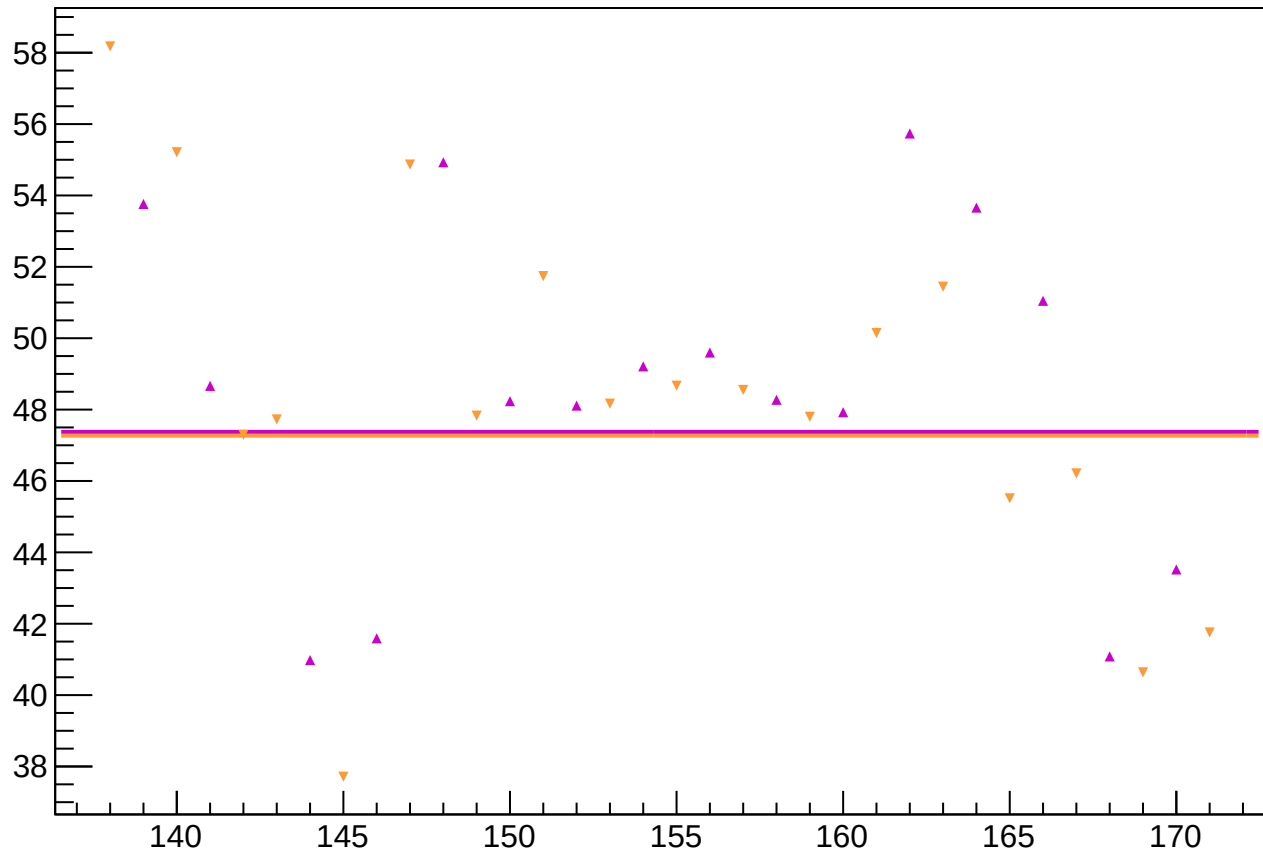
Left In: 11.634+/-13.511 χ^2/NDF : 15.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -5.536+/-9.361 χ^2/NDF : 31.1/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 47.270+/-0.009 χ^2/NDF : 313381.2/17

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

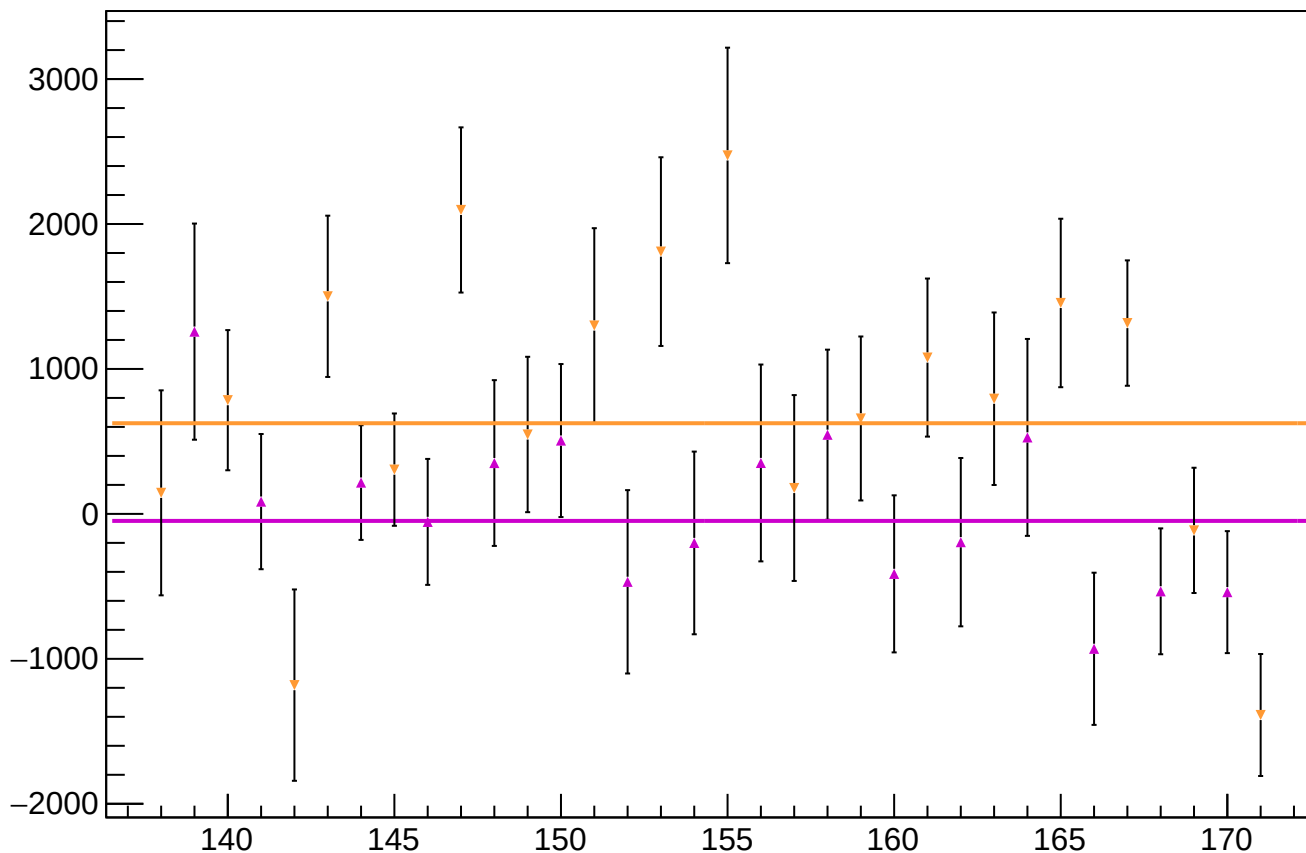
Left In: 47.375+/-0.010 χ^2/NDF : 237228.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.320+/-0.007 χ^2/NDF : 550671.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 625.485+/-126.528 χ^2/NDF : 60.1/17

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

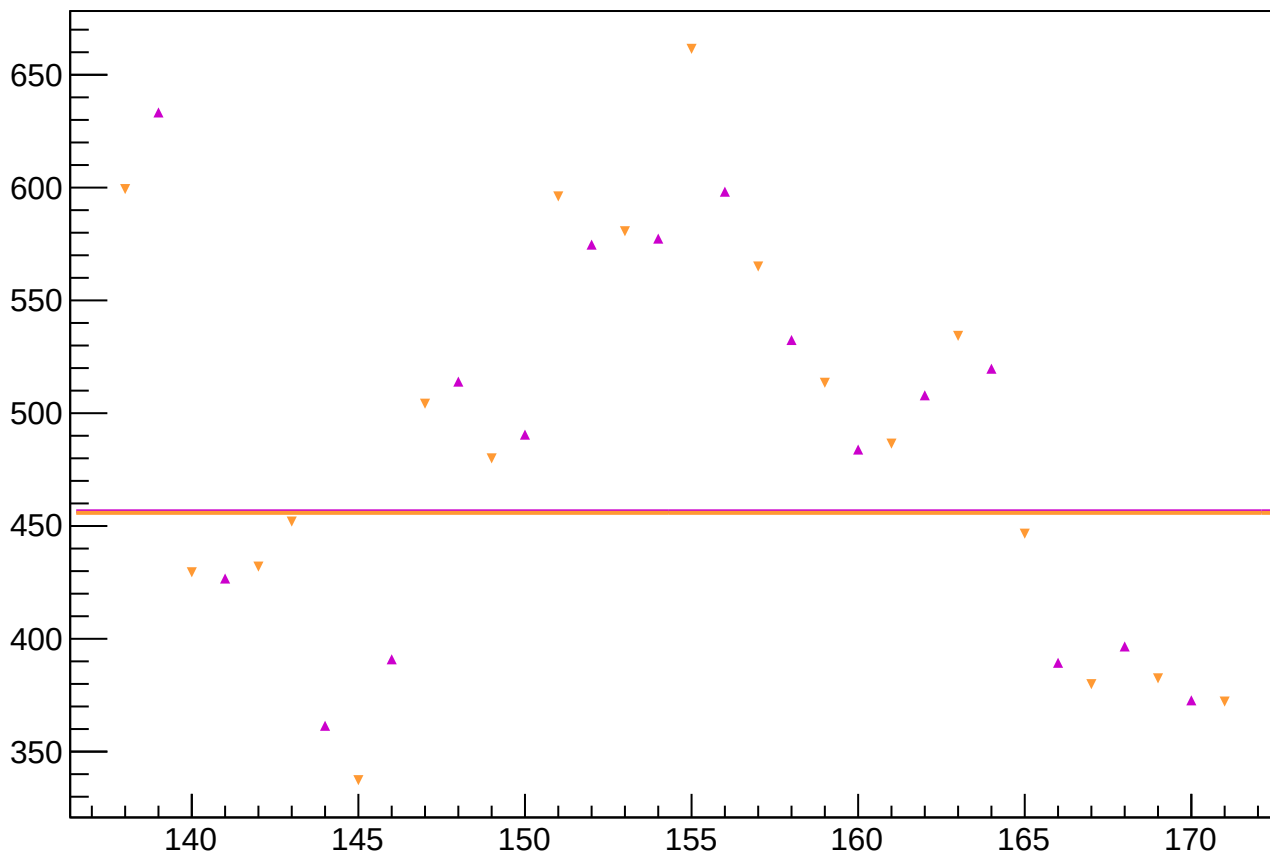
Left In: -48.396+/-131.373 χ^2/NDF : 13.7/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 301.201+/-91.133 χ^2/NDF : 87.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_correction_rms vs Slug



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

Left Out: 455.838+/-0.089 χ^2/NDF : 929125.2/17

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

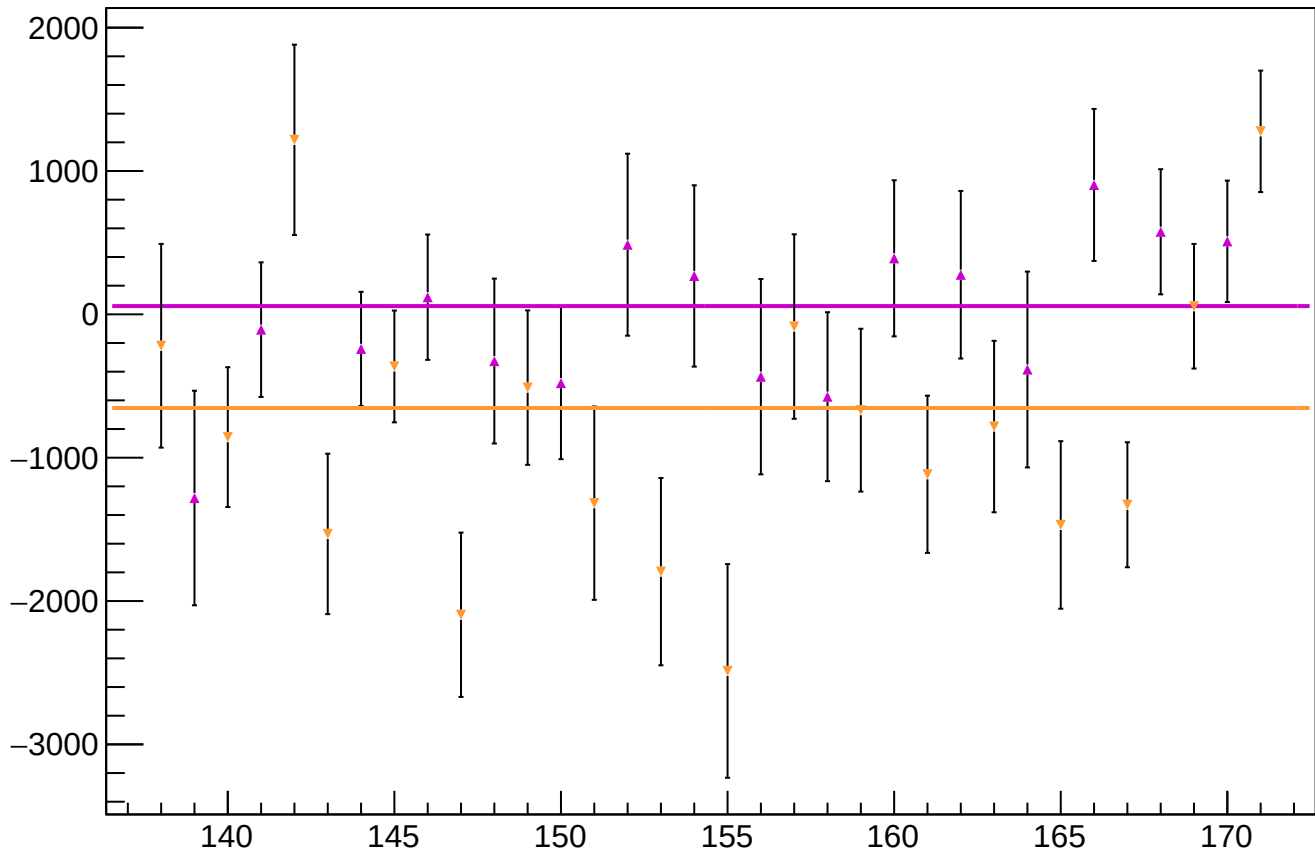
Left In: 456.503+/-0.093 χ^2/NDF : 762420.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 456.158+/-0.064 χ^2/NDF : 1691572.2/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -653.137+/-127.260 χ^2/NDF : 57.3/17

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

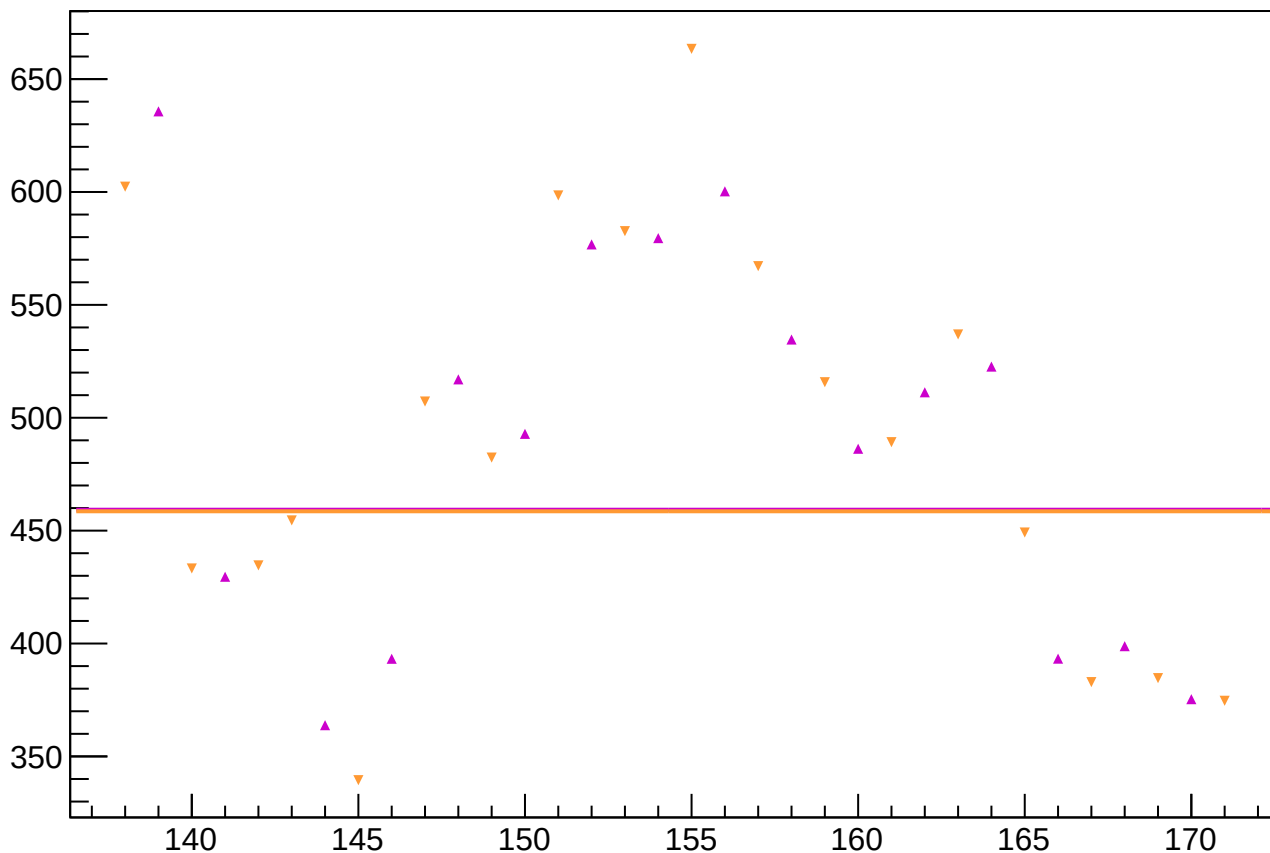
Left In: 57.650+/-132.139 χ^2/NDF : 13.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -311.109+/-91.663 χ^2/NDF : 85.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_rms vs Slug



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

Left Out: 458.576+/-0.090 χ^2/NDF : 918978.7/17

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

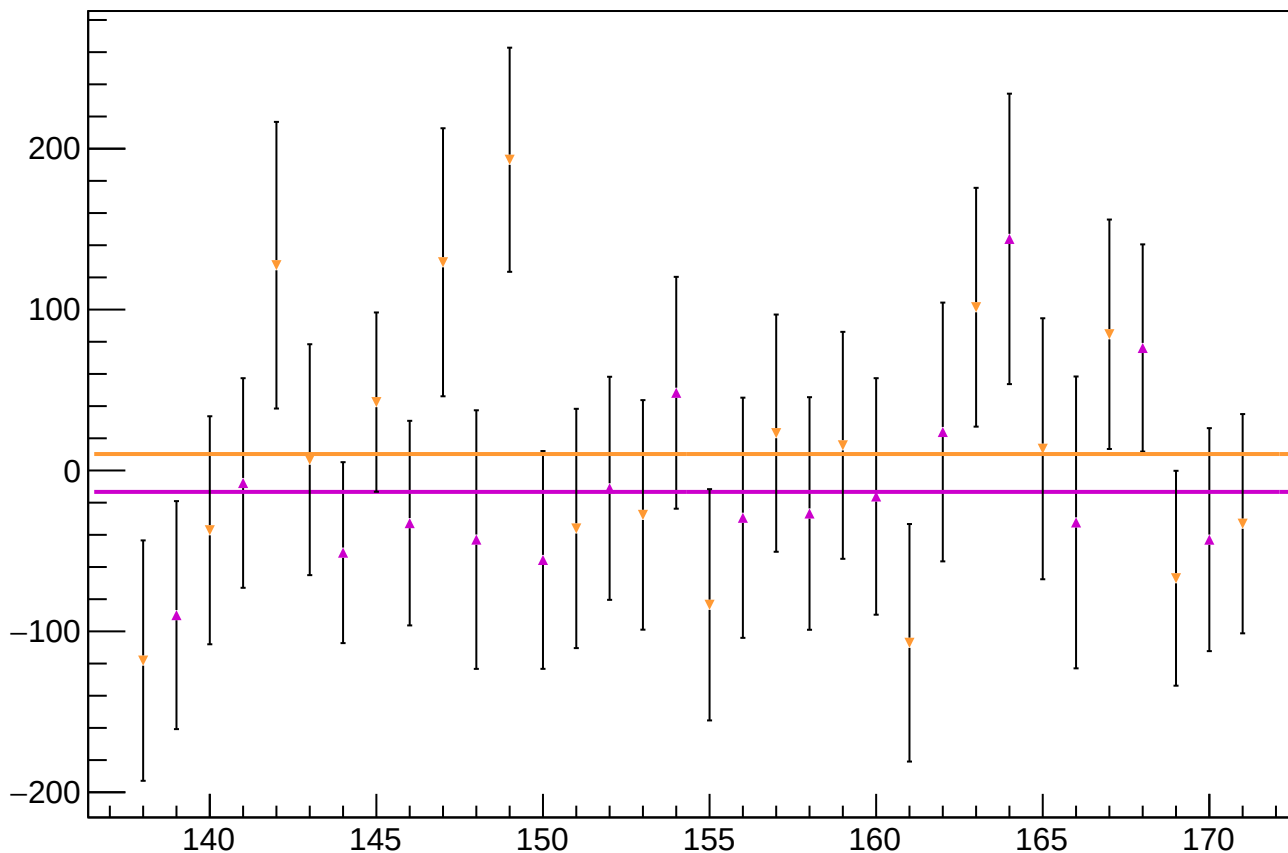
Left In: 459.265+/-0.093 χ^2/NDF : 752875.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 458.908+/-0.065 χ^2/NDF : 1671882.1/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: 10.222 $\pm$ 16.951 χ^2 /NDF:23.7/17

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

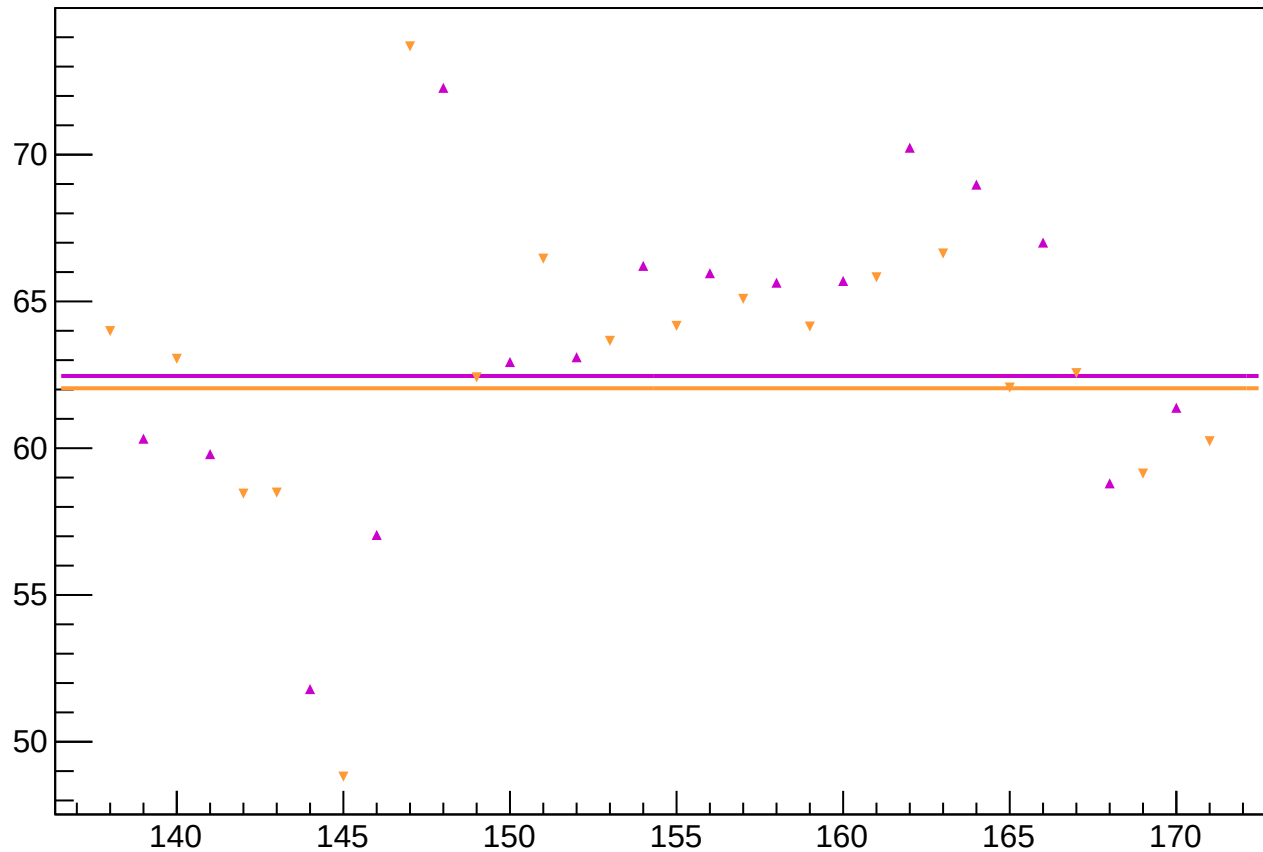
Left In: -13.314 $\pm$ 17.743 χ^2 /NDF:8.5/15

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

All: -1.009 $\pm$ 12.257 χ^2 /NDF: 33.1/33

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

reg_asym_sam_37_48_dd_rms vs Slug



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

Left Out: 62.042+/-0.012 χ^2/NDF :195009.0/17

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

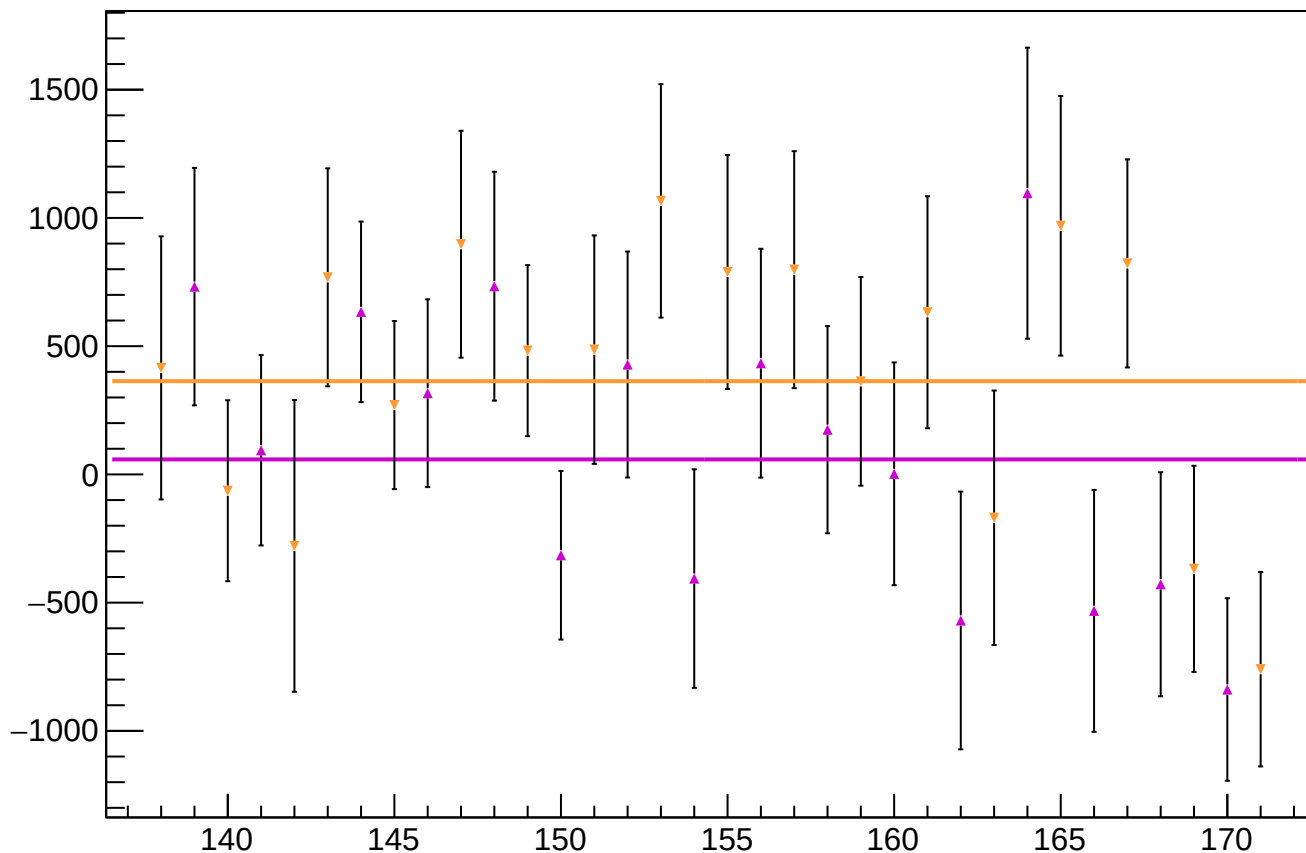
Left In: 62.460+/-0.013 χ^2/NDF :180395.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 62.242+/-0.009 χ^2/NDF : 375984.0/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 363.588+/-99.310 χ^2/NDF :25.9/17

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

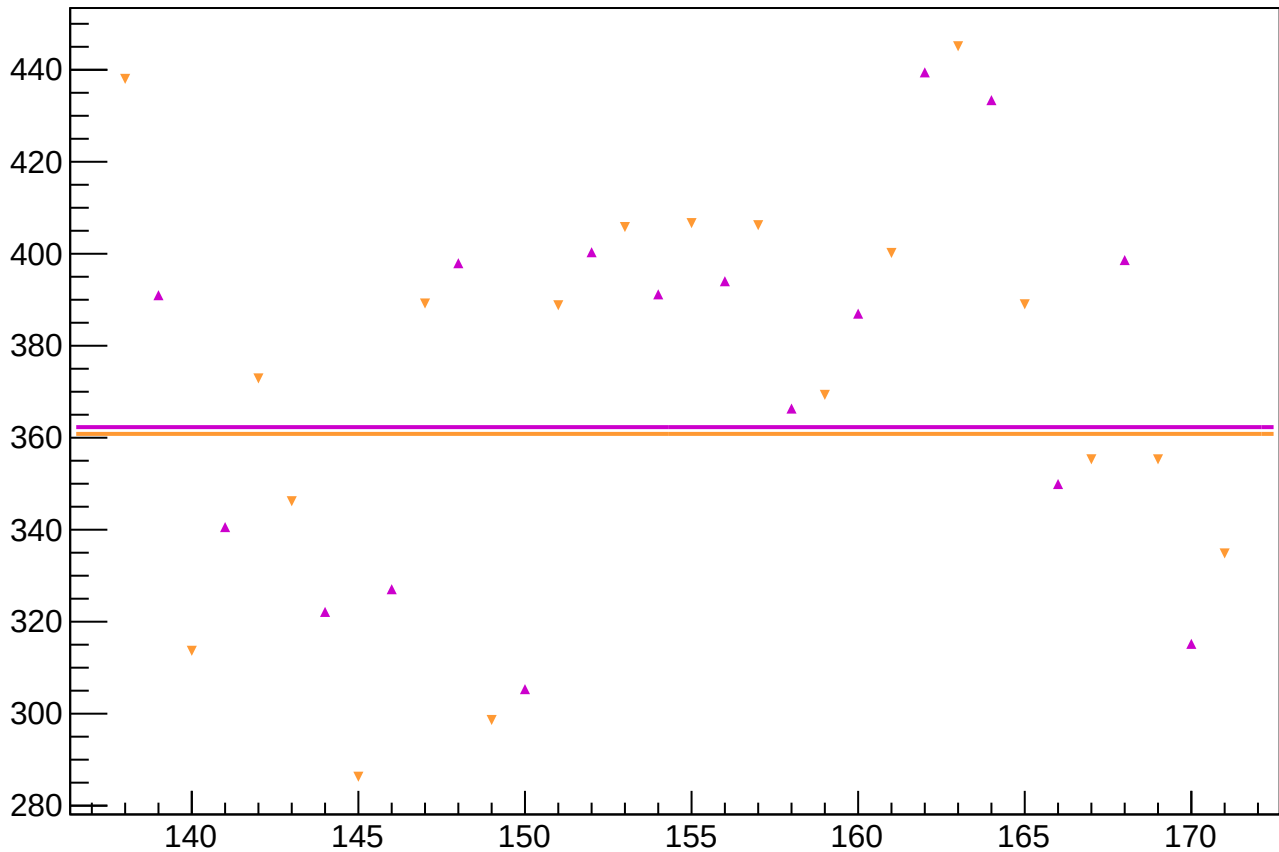
Left In: 58.471+/-103.386 χ^2/NDF :25.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 217.163+/-71.620 χ^2/NDF : 56.0/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 360.834+/-0.070 χ^2/NDF : 422718.9/17

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

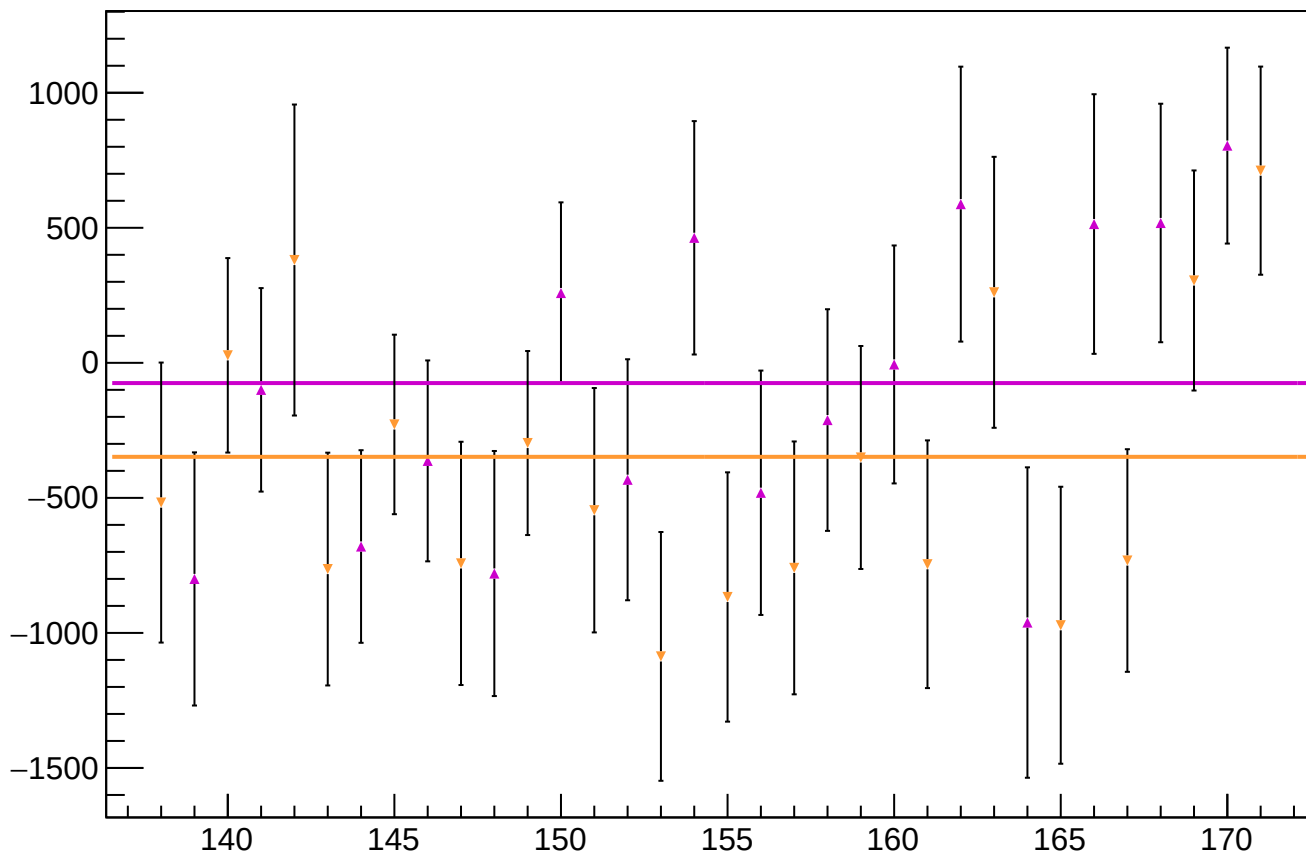
Left In: 362.305+/-0.073 χ^2/NDF : 301607.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 361.540+/-0.051 χ^2/NDF : 724537.2/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -348.007 $\pm$ 100.842 χ^2 /NDF:24.2/17

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

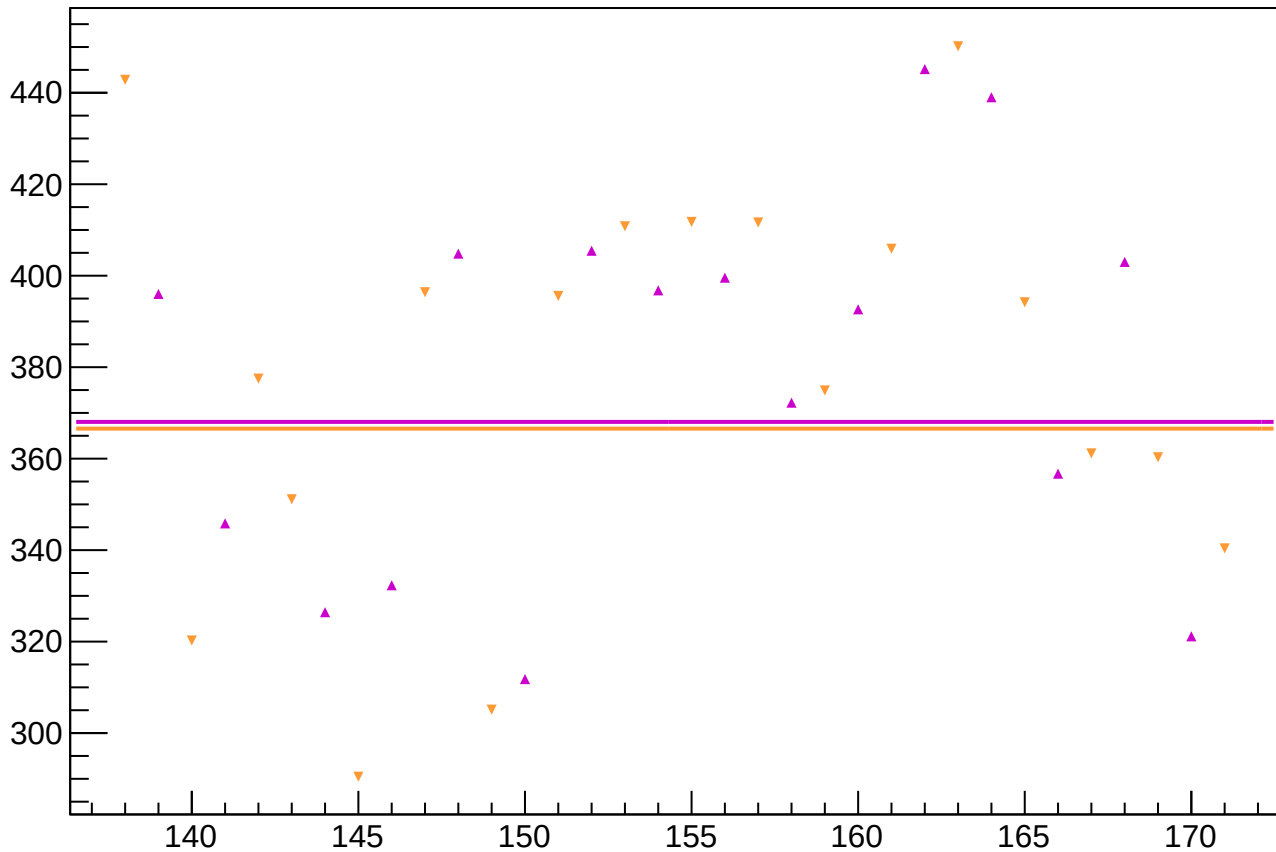
Left In: -74.919 $\pm$ 104.985 χ^2 /NDF:25.7/15

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

All: -216.958 $\pm$ 72.727 χ^2 /NDF: 53.3/33

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

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 366.566+/-0.071 χ^2/NDF : 409688.0/17

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

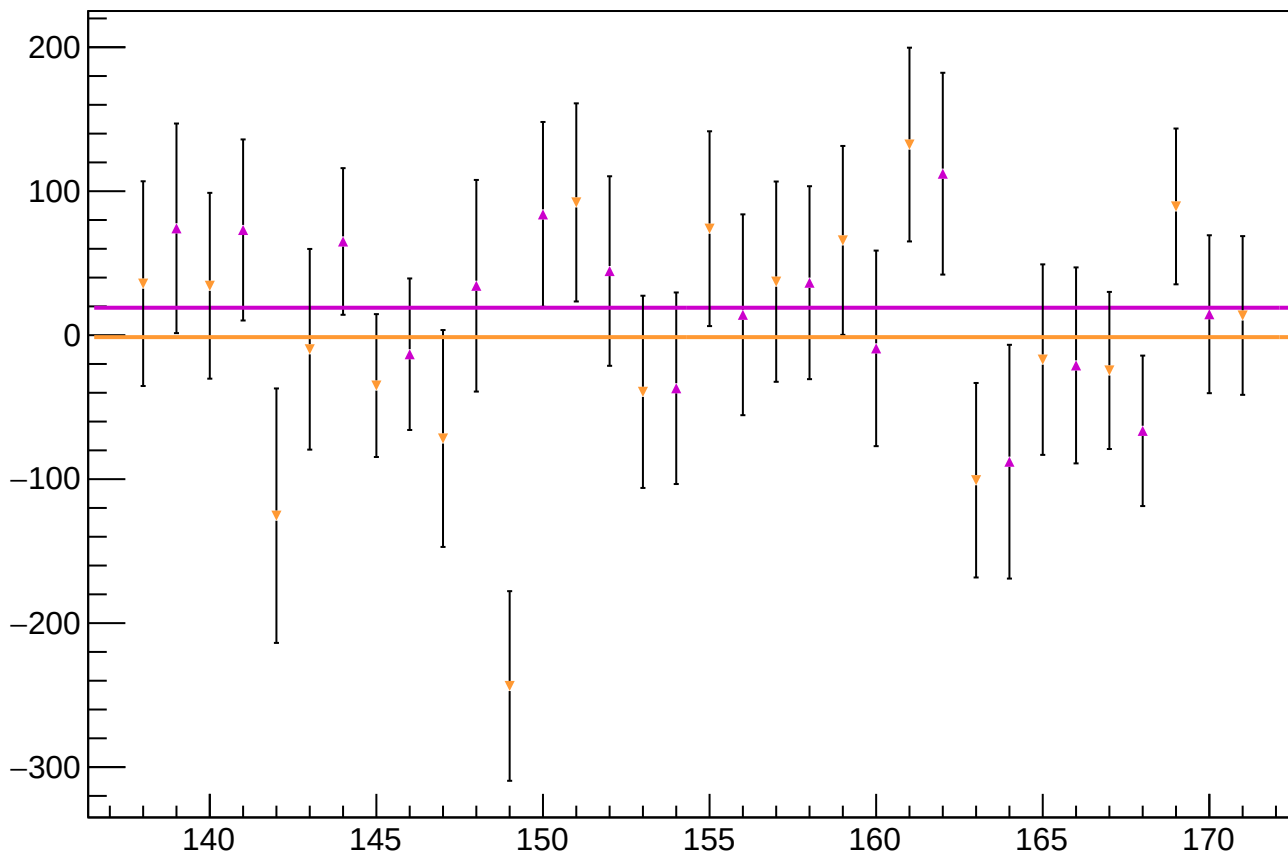
Left In: 368.036+/-0.074 χ^2/NDF : 291644.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 367.272+/-0.051 χ^2/NDF : 701536.4/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: -1.354 $\pm$ 15.157 χ^2 /NDF:31.4/17

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

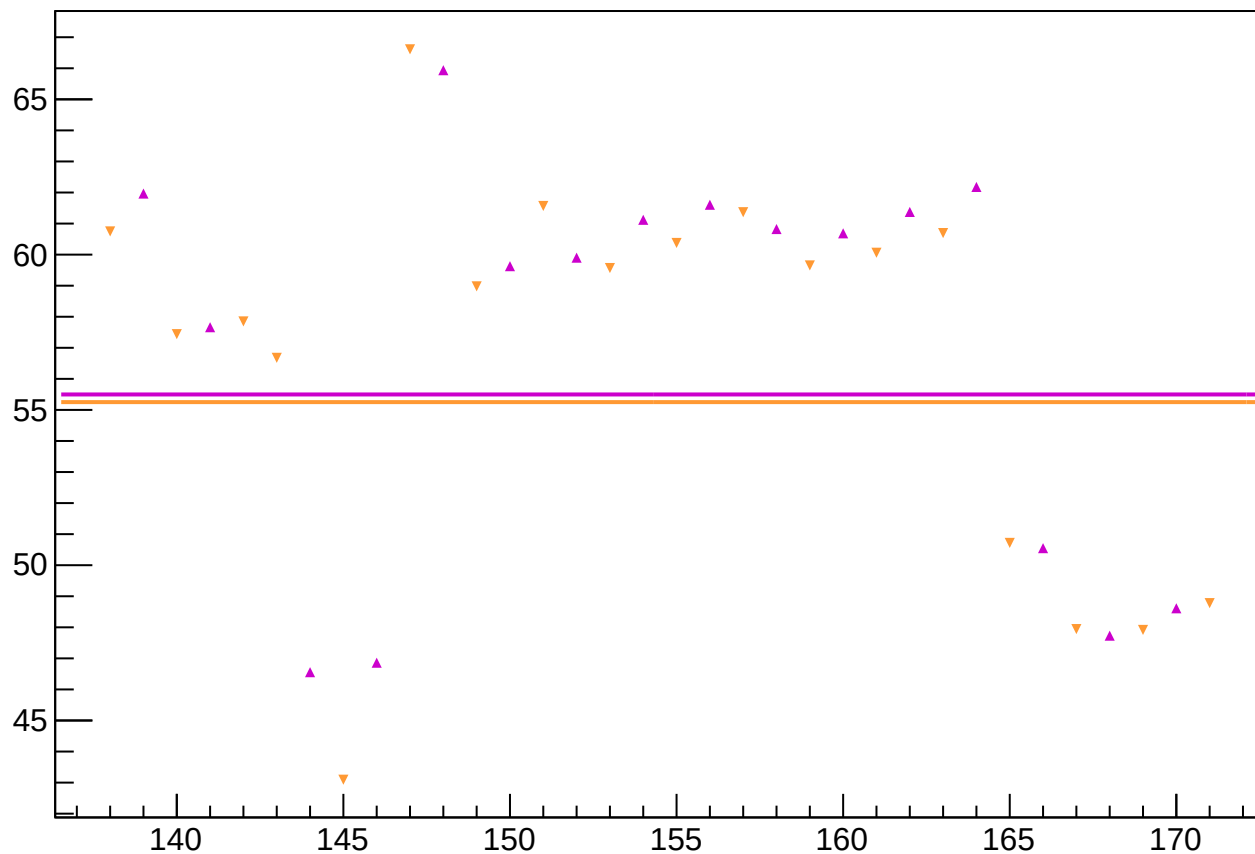
Left In: 19.060 $\pm$ 15.835 χ^2 /NDF:11.2/15

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

All: 8.406 $\pm$ 10.949 χ^2 /NDF: 43.5/33

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

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 55.251+/-0.011 χ^2/NDF :382742.9/17

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

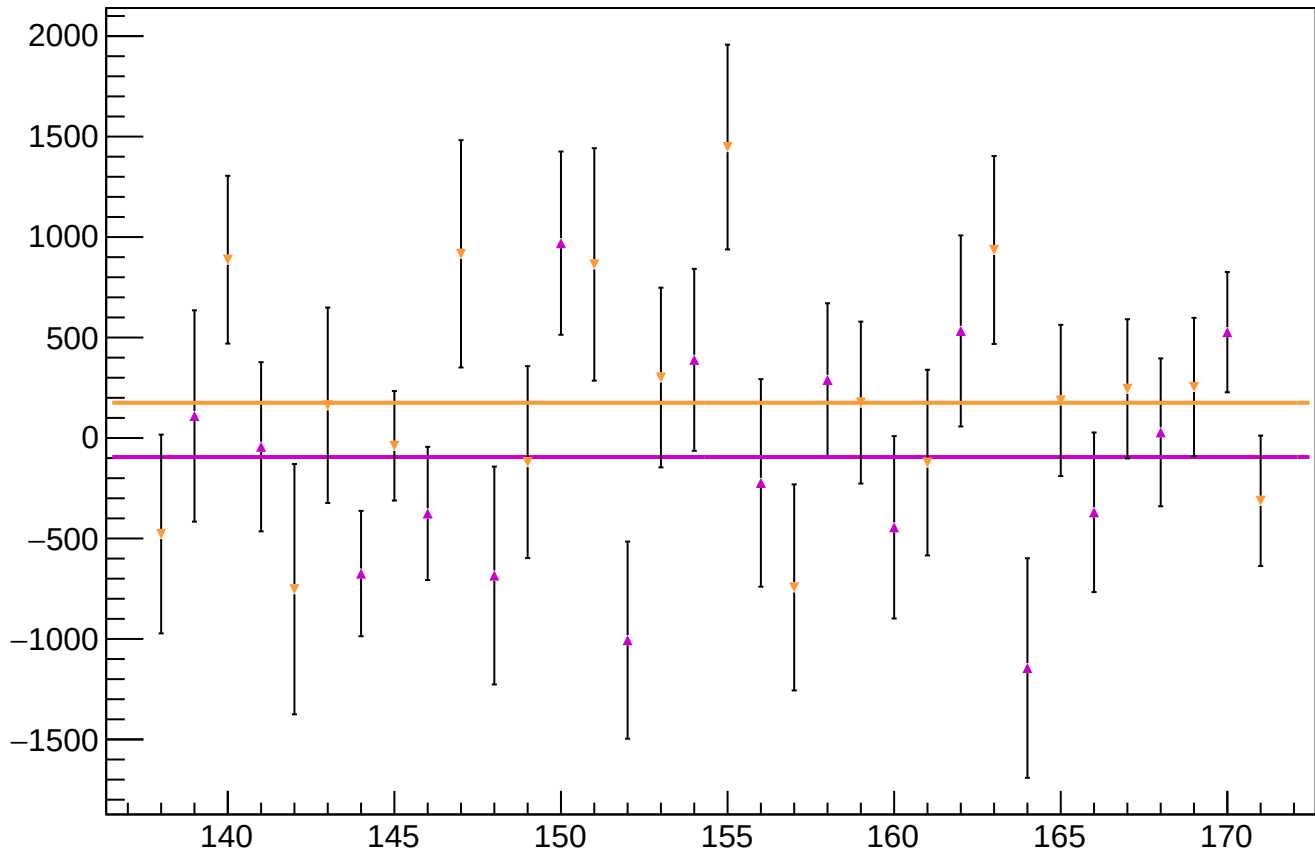
Left In: 55.498+/-0.011 χ^2/NDF :359137.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 55.369+/-0.008 χ^2/NDF : 742133.4/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 175.152 $\pm$ 99.018 χ^2 /NDF:25.9/17

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

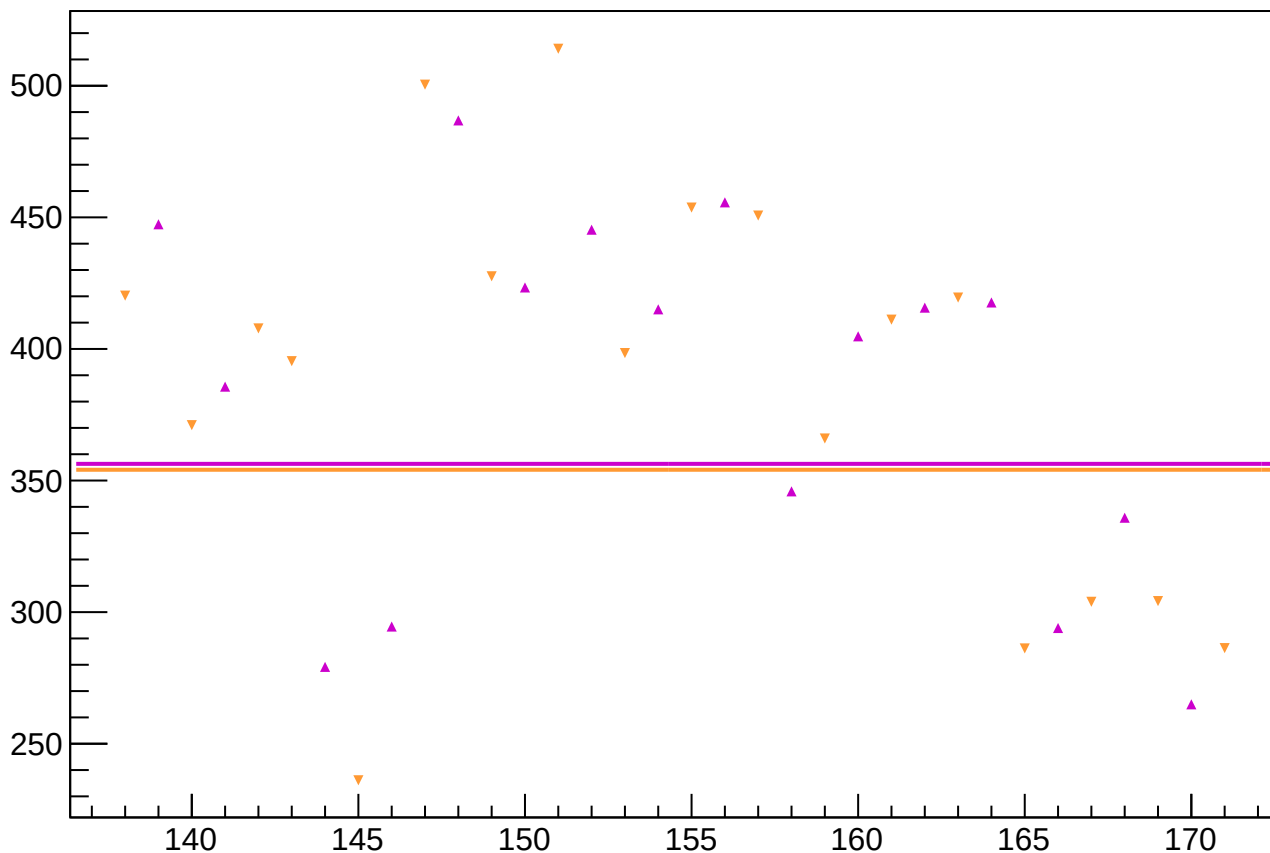
Left In: -94.670 $\pm$ 103.136 χ^2 /NDF:27.6/15

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

All: 45.735 $\pm$ 71.428 χ^2 /NDF: 57.1/33

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

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 354.098+/-0.070 χ^2/NDF :1252139.0/17

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

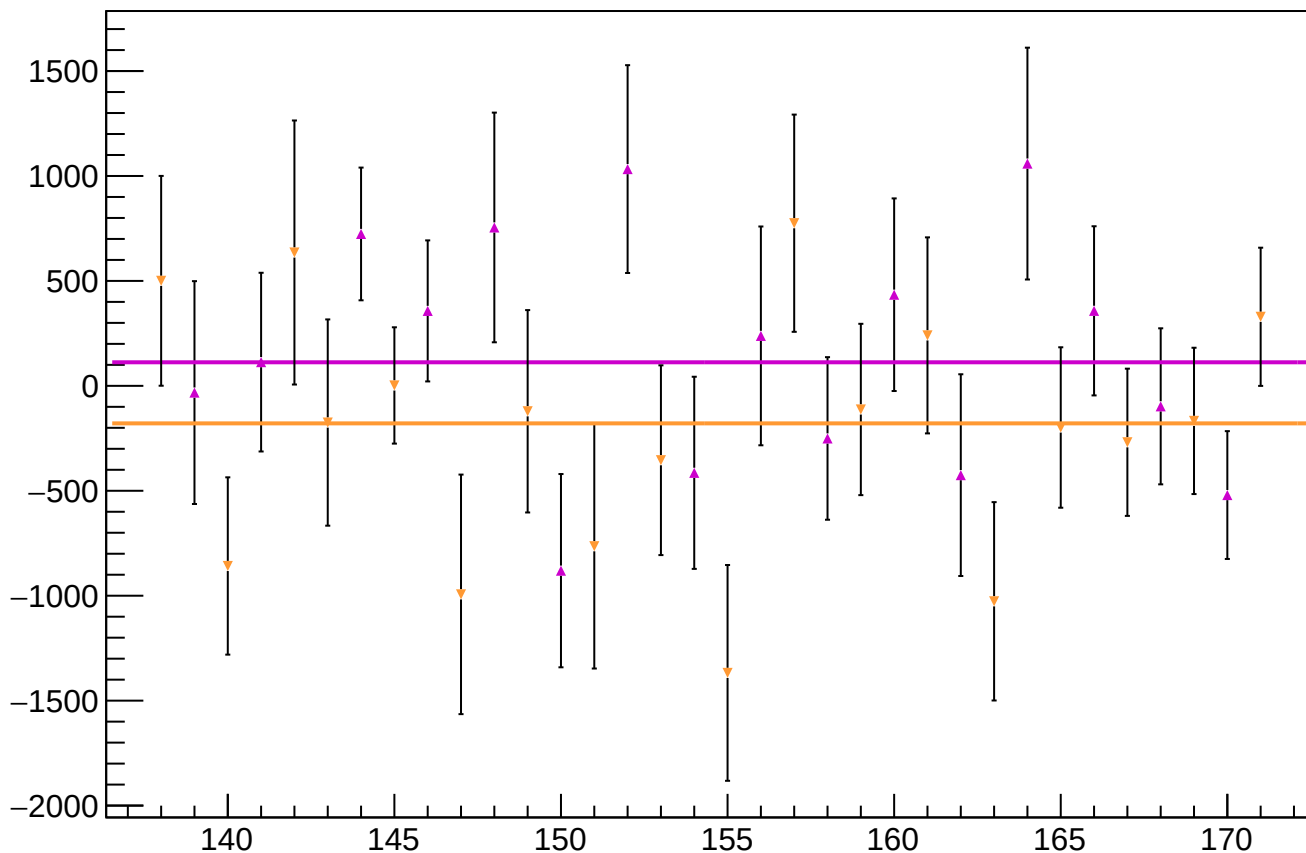
Left In: 356.343+/-0.073 χ^2/NDF :916459.9/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 355.175+/-0.051 χ^2/NDF : 2169092.0/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -178.810 $\pm$ 100.246 χ^2 /NDF:25.0/17

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

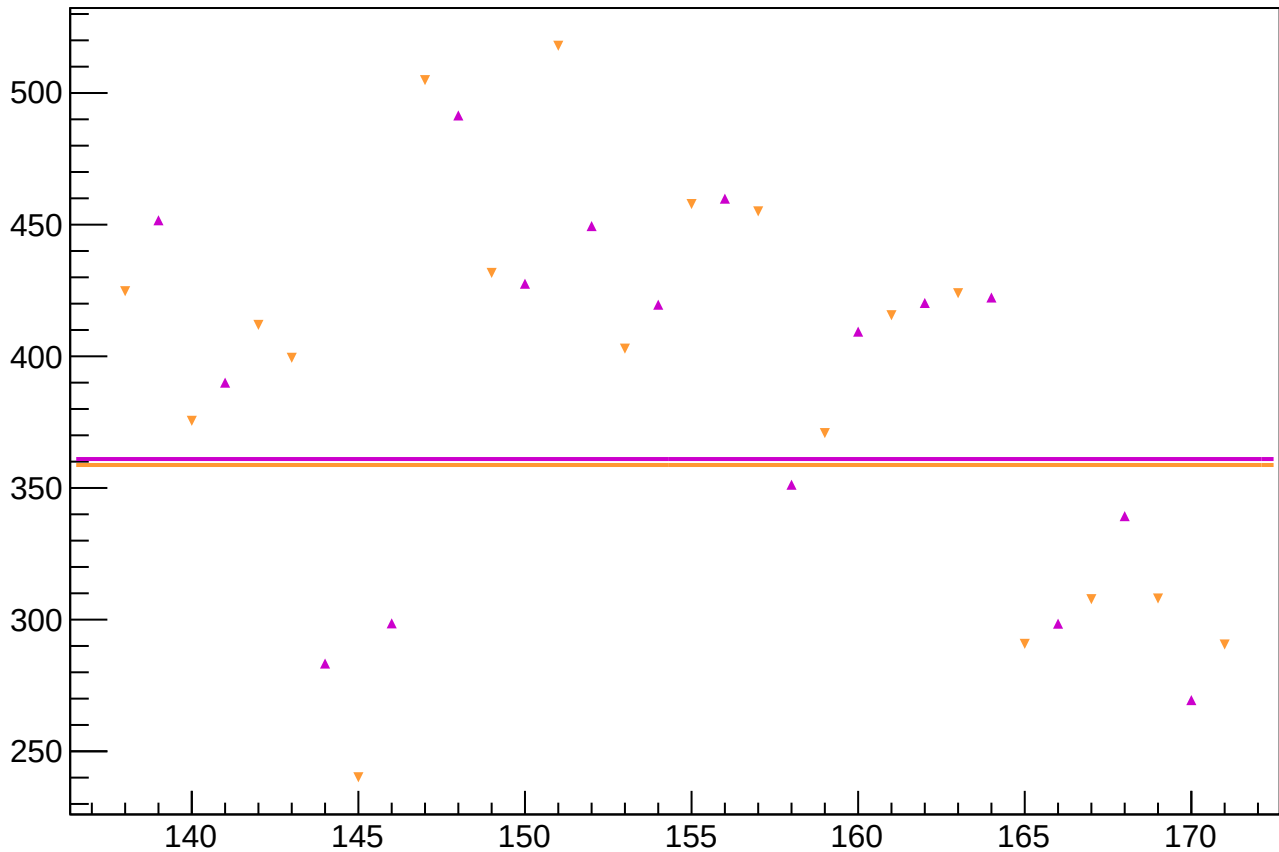
Left In: 112.245 $\pm$ 104.425 χ^2 /NDF:25.8/15

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

All: -39.223 $\pm$ 72.317 χ^2 /NDF: 54.8/33

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

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 358.720+/-0.071 χ^2/NDF :1224243.0/17

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

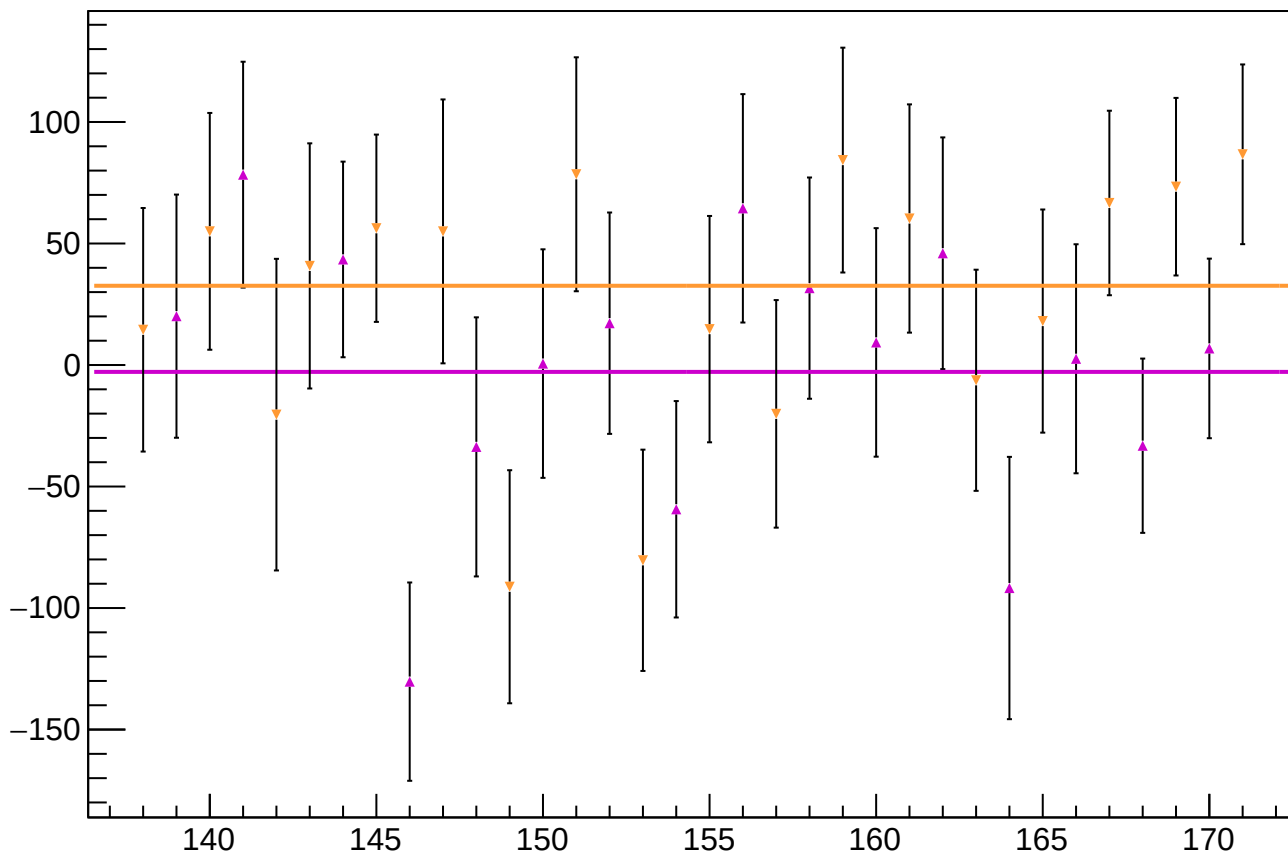
Left In: 360.994+/-0.074 χ^2/NDF :895668.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 359.811+/-0.051 χ^2/NDF : 2120404.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 32.612 $\pm$ 10.668 χ^2 /NDF:23.4/17

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

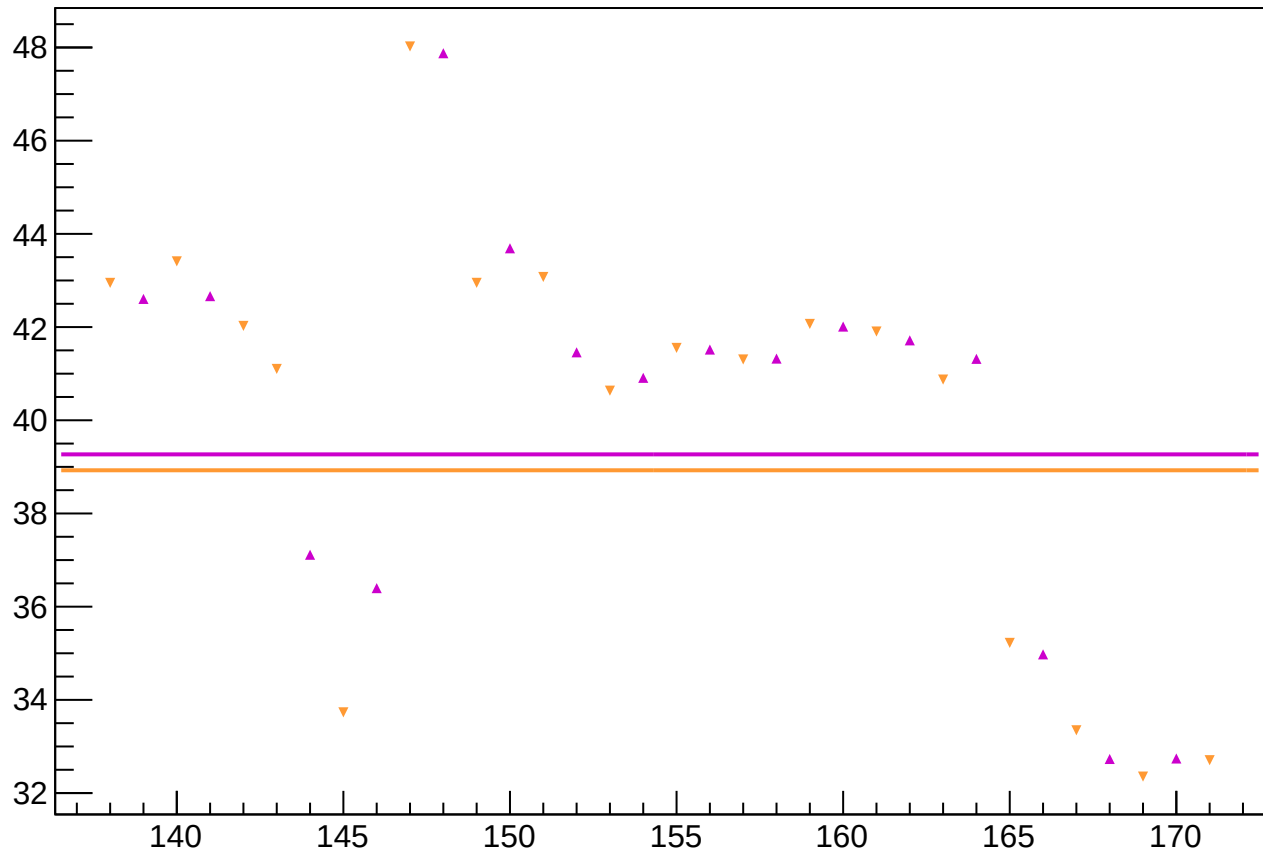
Left In: -2.829 $\pm$ 11.178 χ^2 /NDF:23.7/15

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

All: 15.719 $\pm$ 7.717 χ^2 /NDF: 52.4/33

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

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 38.927+/-0.008 χ^2/NDF : 372419.5/17

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

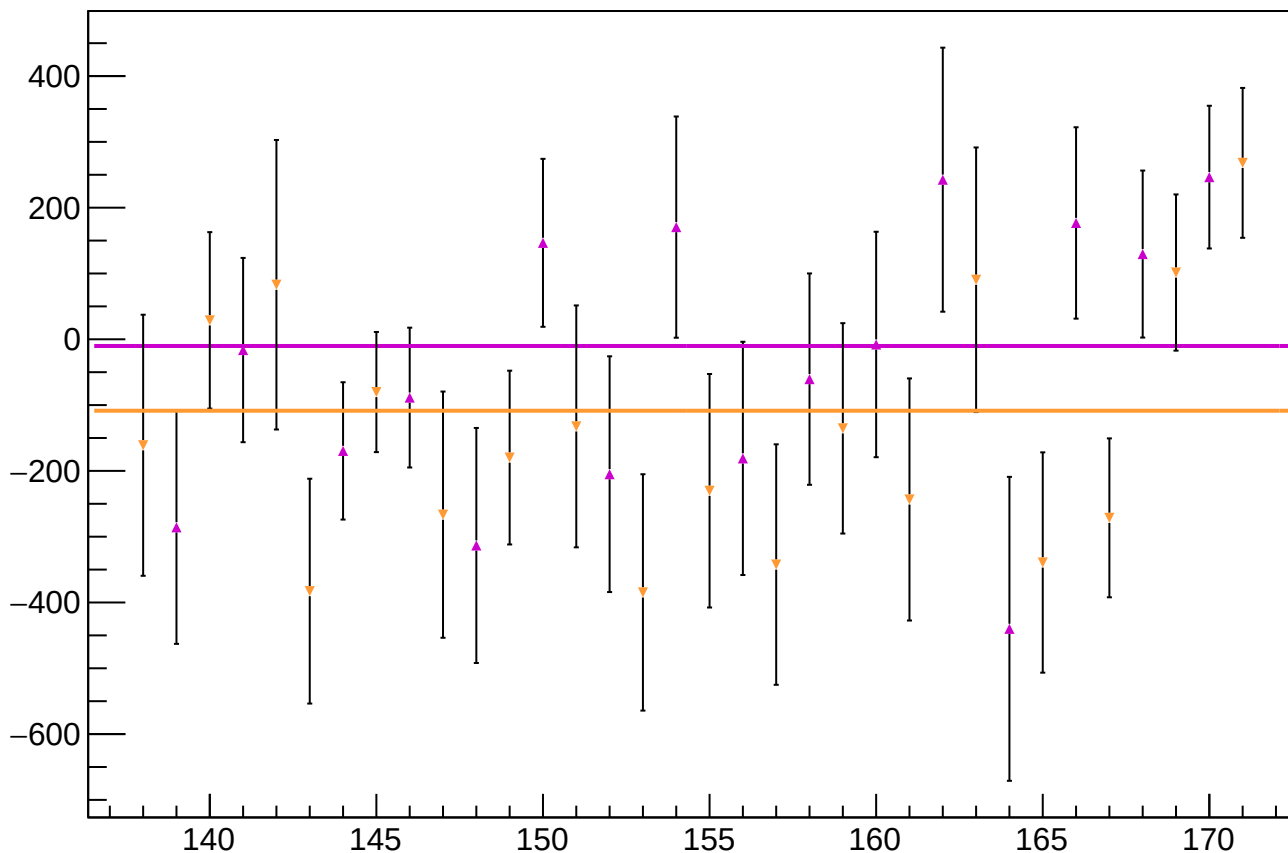
Left In: 39.268+/-0.008 χ^2/NDF : 281465.1/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 39.090+/-0.005 χ^2/NDF : 654861.4/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -108.592+/-35.139 χ^2/NDF : 29.4/17

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

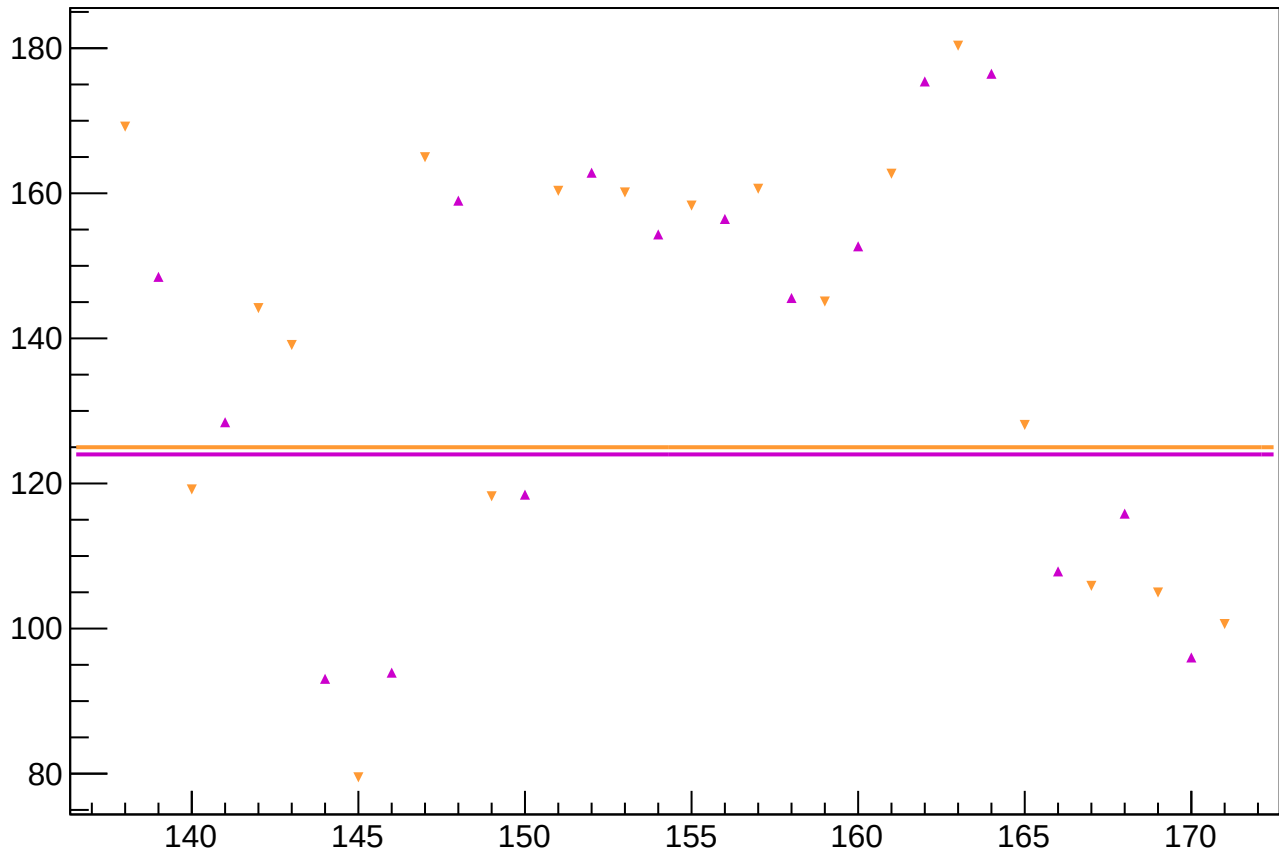
Left In: -10.183+/-36.148 χ^2/NDF : 26.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -60.780+/-25.196 χ^2/NDF : 59.8/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_correction_rms vs Slug



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

Left Out: 124.997+/-0.025 χ^2/NDF :1488480.3/17

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

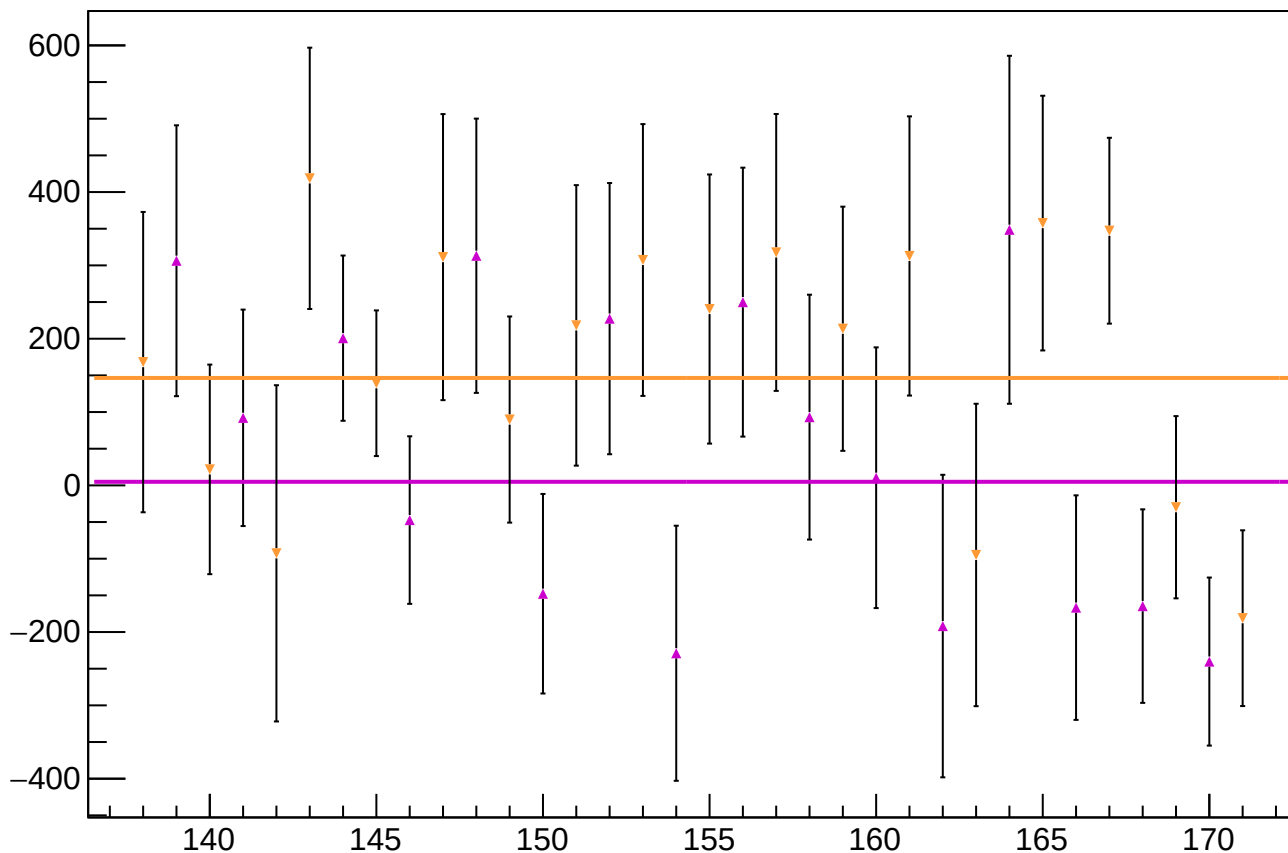
Left In: 124.006+/-0.026 χ^2/NDF :1175745.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 124.515+/-0.018 χ^2/NDF : 2664998.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 146.502 $\pm$ 36.941 χ^2 /NDF:22.8/17

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

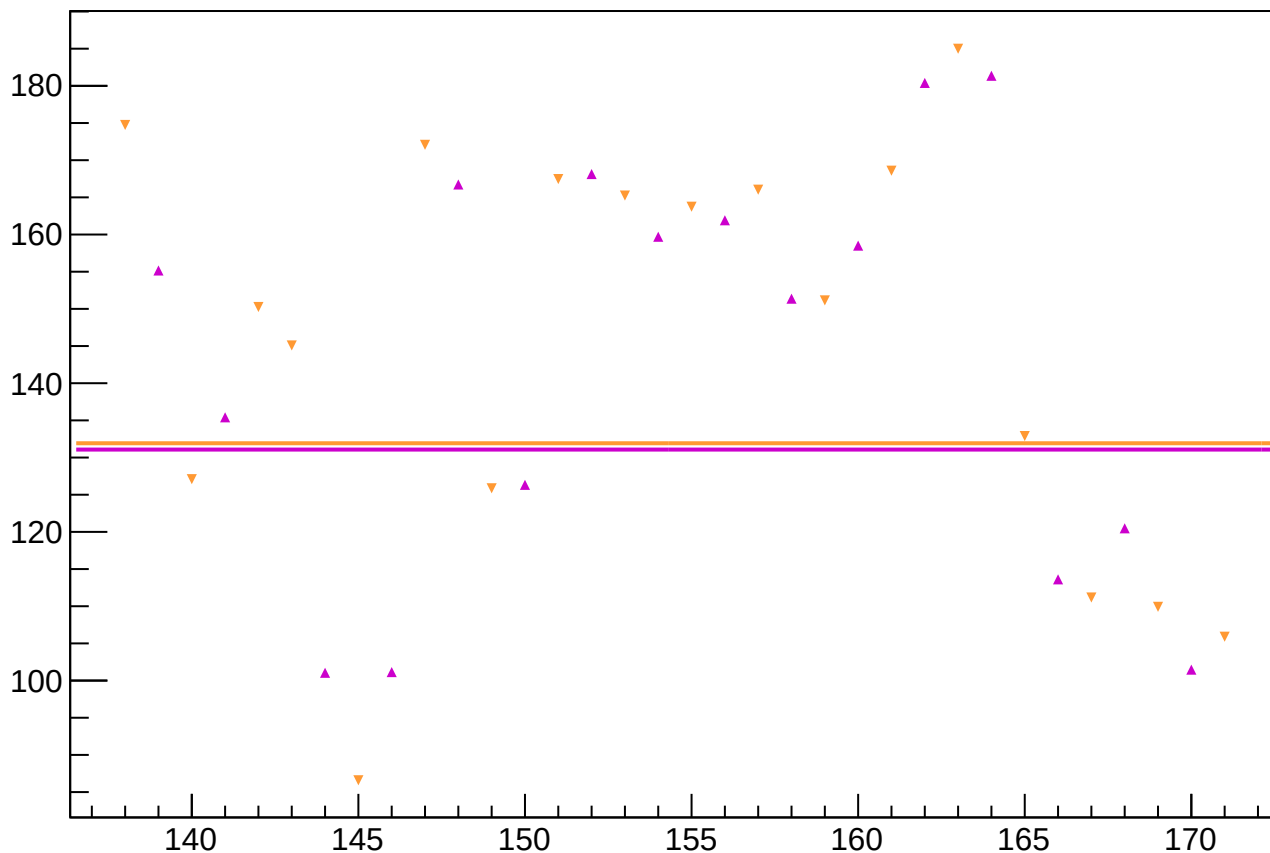
Left In: 4.871 $\pm$ 38.062 χ^2 /NDF:26.0/15

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

All: 77.802 $\pm$ 26.509 χ^2 /NDF: 56.0/33

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

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 131.923+/-0.026 χ^2/NDF :1321557.0/17

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

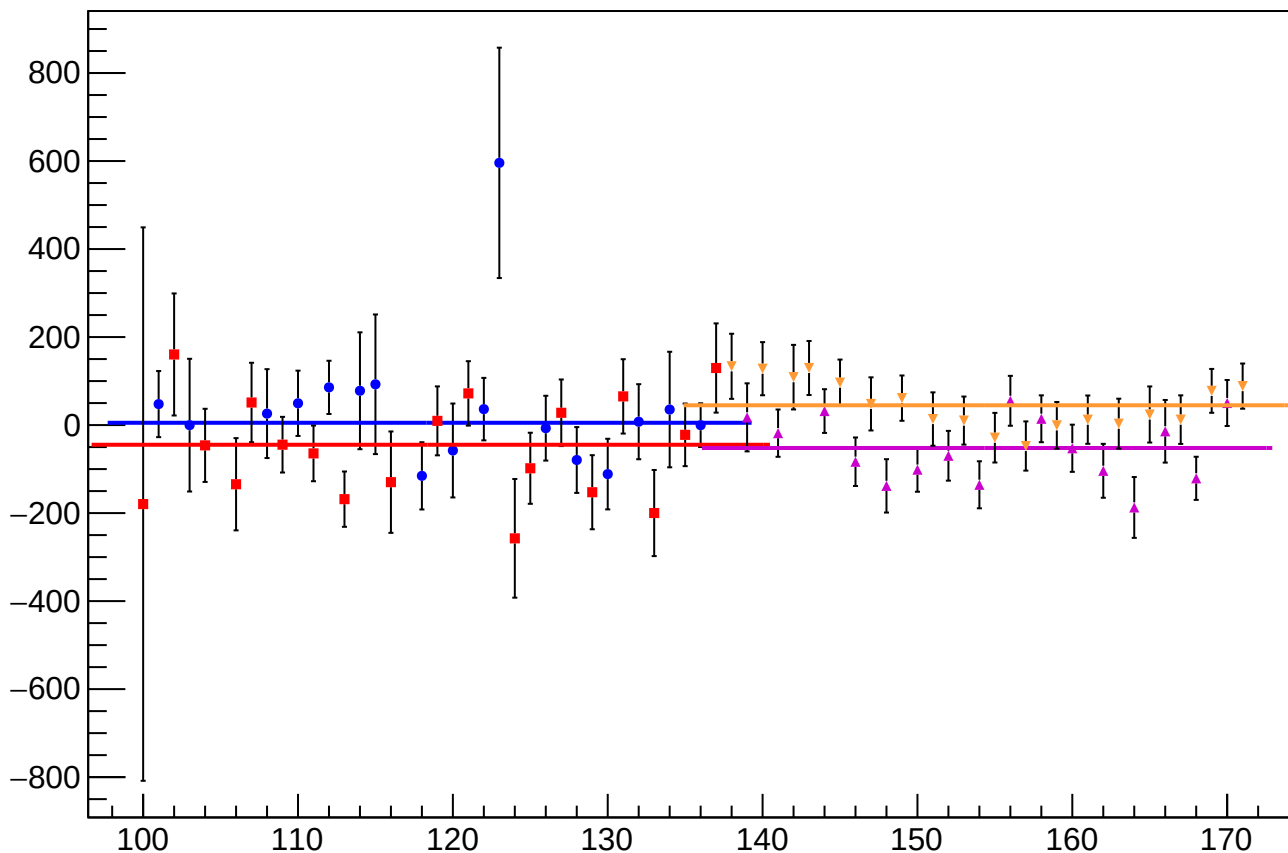
Left In: 131.073+/-0.027 χ^2/NDF :1035024.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 131.511+/-0.019 χ^2/NDF : 2357095.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 44.993 ± 13.458 χ^2/NDF : 15.4/17

Right Out: -44.715 ± 19.410 χ^2/NDF : 24.4/18

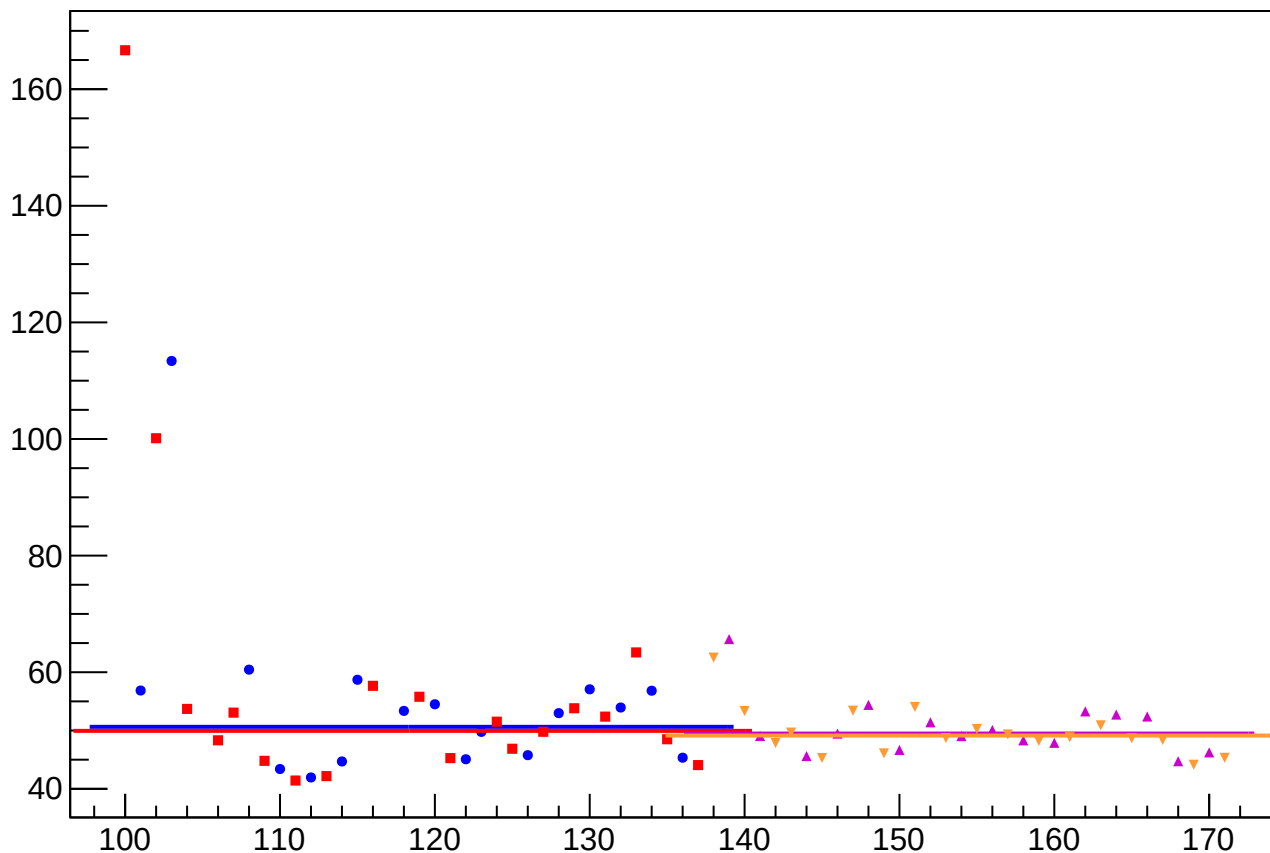
Left In: -52.058 ± 14.076 χ^2/NDF : 25.7/15

+ sign 32.725 ± 11.191 χ^2/NDF : 32.8/34

All: -7.659 ± 7.984 χ^2/NDF : 109.5/69

- sign -49.527 ± 11.395 χ^2/NDF : 50.1/34

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.140 $\pm$ 0.010 χ^2 /NDF: 151936.6/17

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

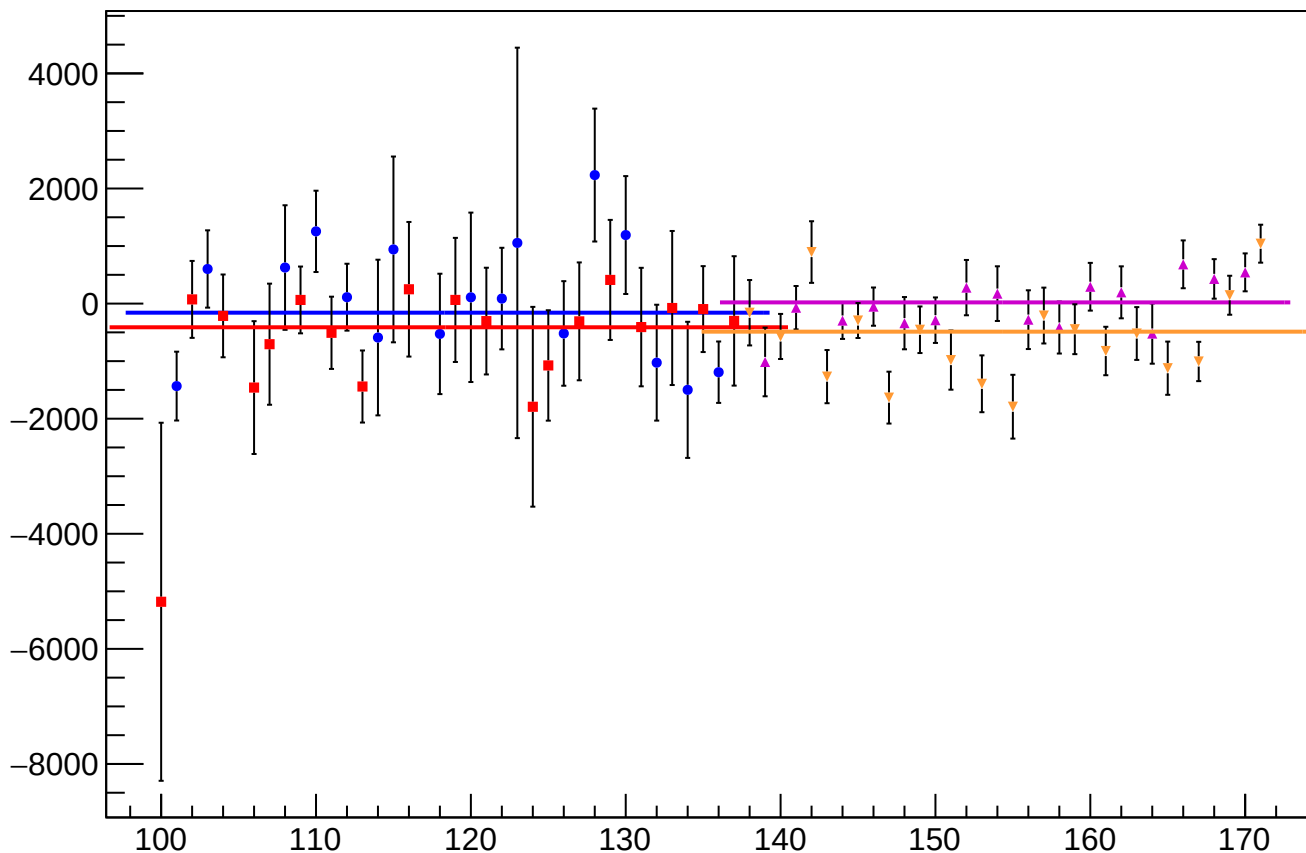
Left In: 49.483 $\pm$ 0.010 χ^2 /NDF: 166757.8/15

+ sign 49.601 $\pm$ 0.008 χ^2 /NDF: 679230.7/34

All: 49.621 $\pm$ 0.006 χ^2 /NDF: 1347225.8/69

- sign 49.641 $\pm$ 0.008 χ^2 /NDF: 667982.6/34

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 ± 210.181 χ^2/NDF : 23.5/16

Left Out: -487.746 ± 99.057 χ^2/NDF : 56.8/17

Right Out: -411.611 ± 203.633 χ^2/NDF : 9.8/18

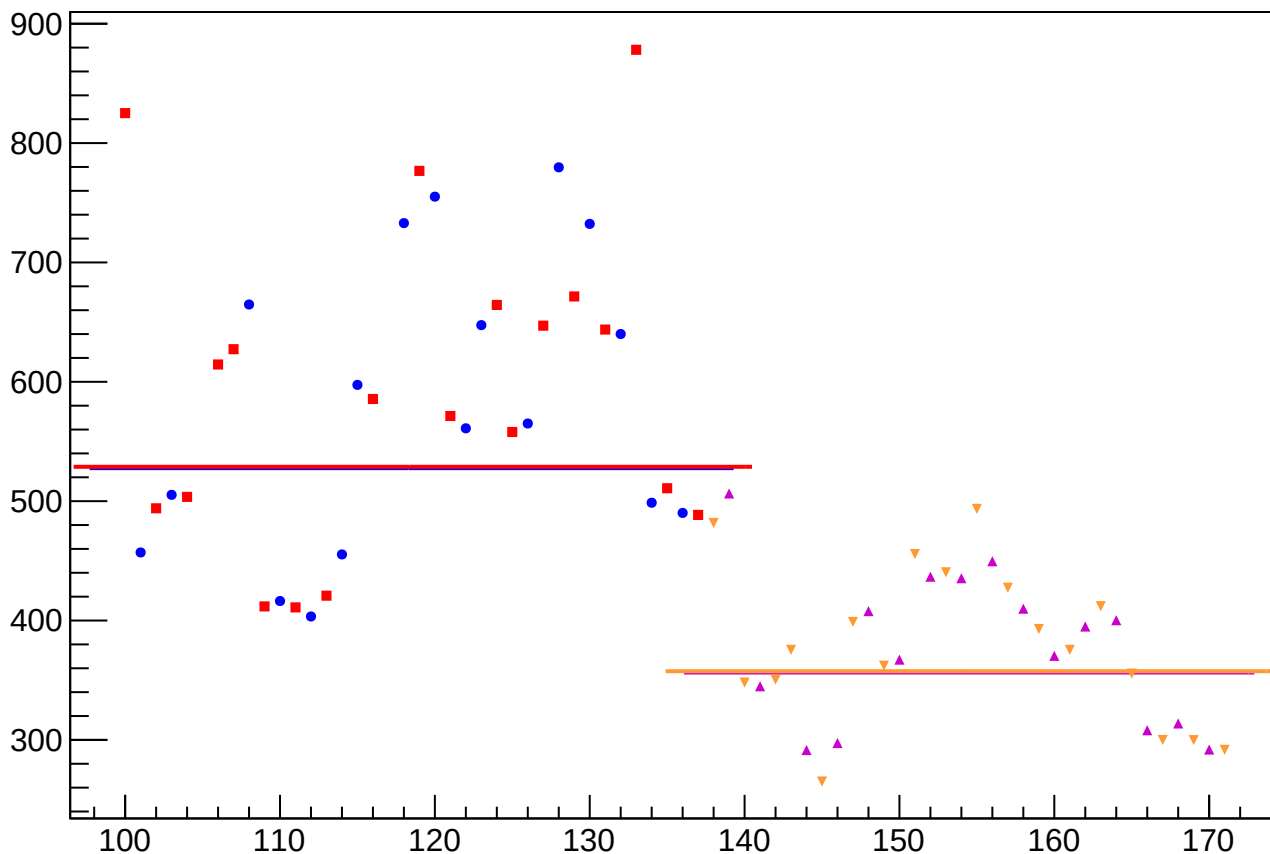
Left In: 20.762 ± 102.422 χ^2/NDF : 15.1/15

+ sign -427.816 ± 89.604 χ^2/NDF : 82.2/34

All: -250.958 ± 64.019 χ^2/NDF : 118.7/69

- sign -66.536 ± 91.500 χ^2/NDF : 28.5/34

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 357.542 $\pm$ 0.070 χ^2 /NDF: 833206.4/17

Right Out: 528.806 $\pm$ 0.144 χ^2 /NDF: 623364.6/18

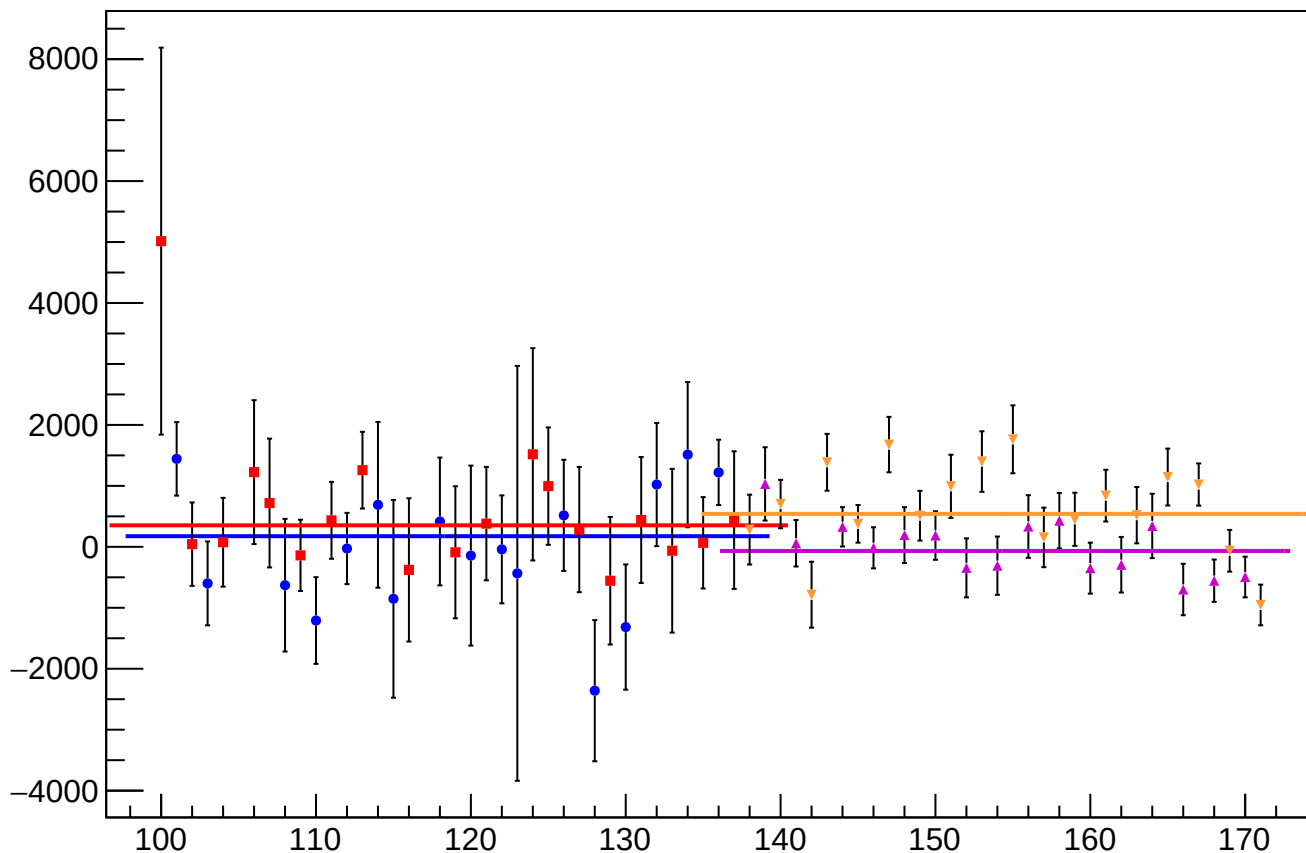
Left In: 356.418 $\pm$ 0.072 χ^2 /NDF: 672907.0/15

+ sign 388.461 $\pm$ 0.063 χ^2 /NDF: 2462757.6/34

All: 389.814 $\pm$ 0.045 χ^2 /NDF: 4903898.2/69

- sign 391.224 $\pm$ 0.065 χ^2 /NDF: 2440209.8/34

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 540.505 $\pm$ 100.059 χ^2 /NDF: 52.7/17

Right Out: 352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

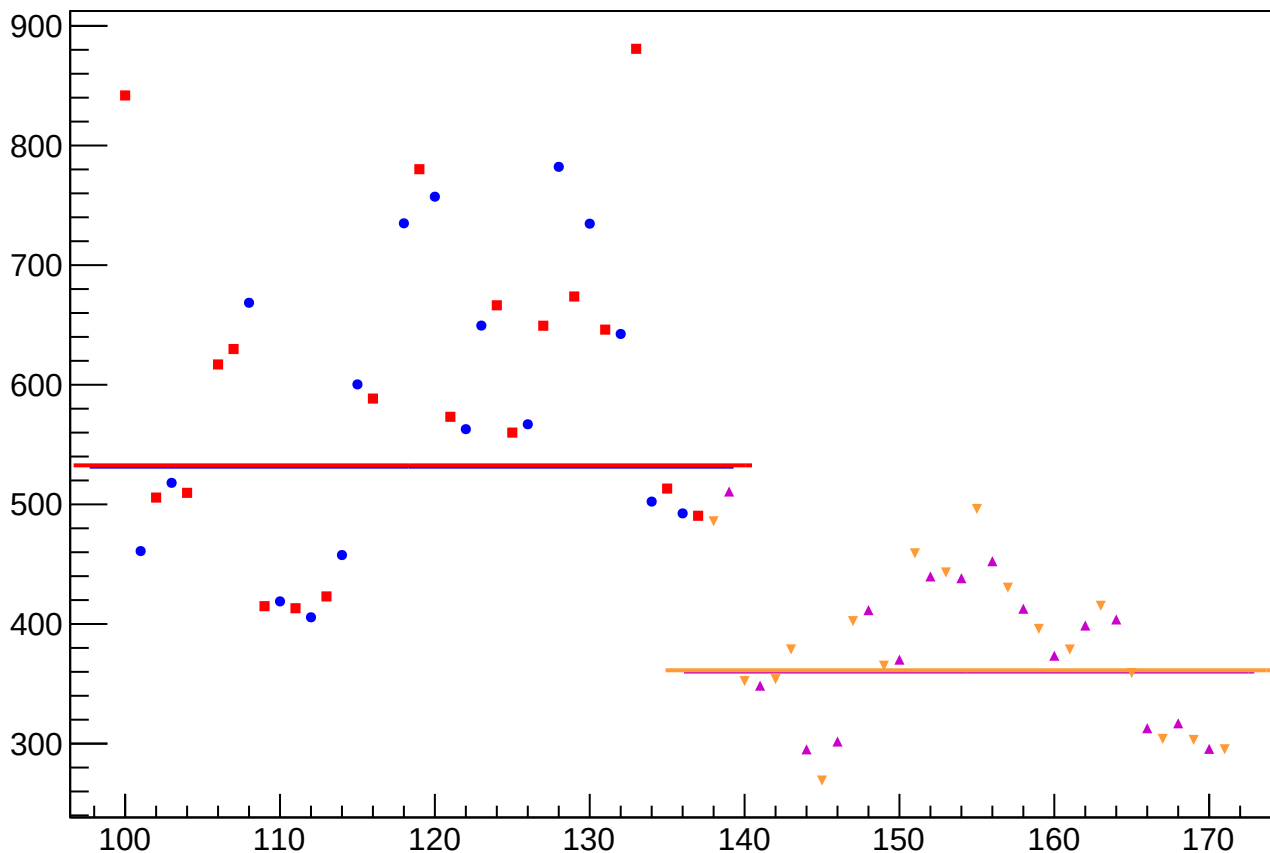
Left In: -67.545 $\pm$ 103.477 χ^2 /NDF: 15.3/15

+ sign 473.672 $\pm$ 90.460 χ^2 /NDF: 78.8/34

All: 250.472 $\pm$ 64.638 χ^2 /NDF: 118.3/69

- sign 17.625 $\pm$ 92.394 χ^2 /NDF: 27.0/34

asym_sam_1357_avg_rms vs Slug



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 361.320 $\pm$ 0.071 χ^2 /NDF: 810347.1/17

Right Out: 532.620 $\pm$ 0.145 χ^2 /NDF: 615746.2/18

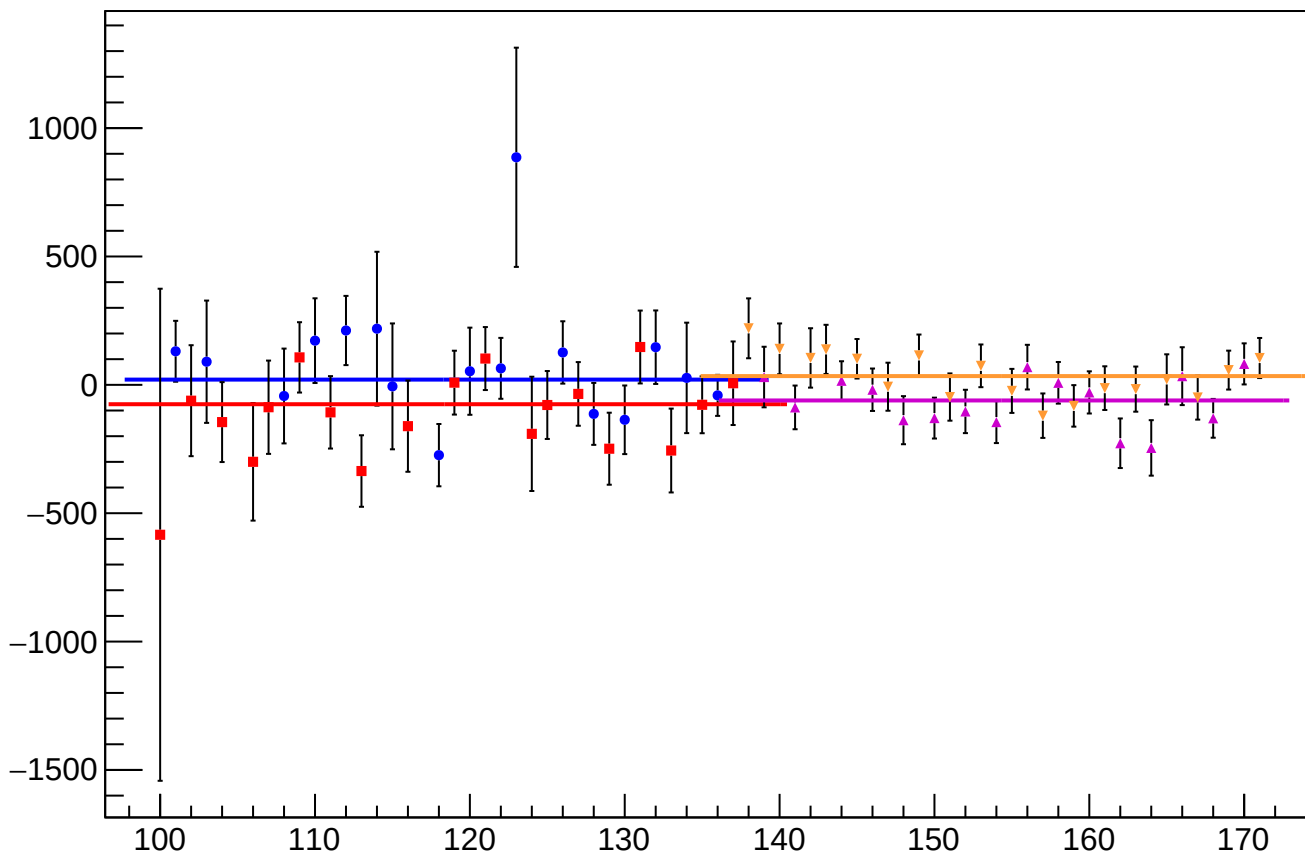
Left In: 360.240 $\pm$ 0.073 χ^2 /NDF: 654447.4/15

+ sign 392.414 $\pm$ 0.064 χ^2 /NDF: 2417842.3/34

All: 393.771 $\pm$ 0.046 χ^2 /NDF: 4814181.4/69

- sign 395.187 $\pm$ 0.065 χ^2 /NDF: 2395419.3/34

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 34.114 $\pm$ 20.744 χ^2 /NDF:16.4/17

Right Out: -75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

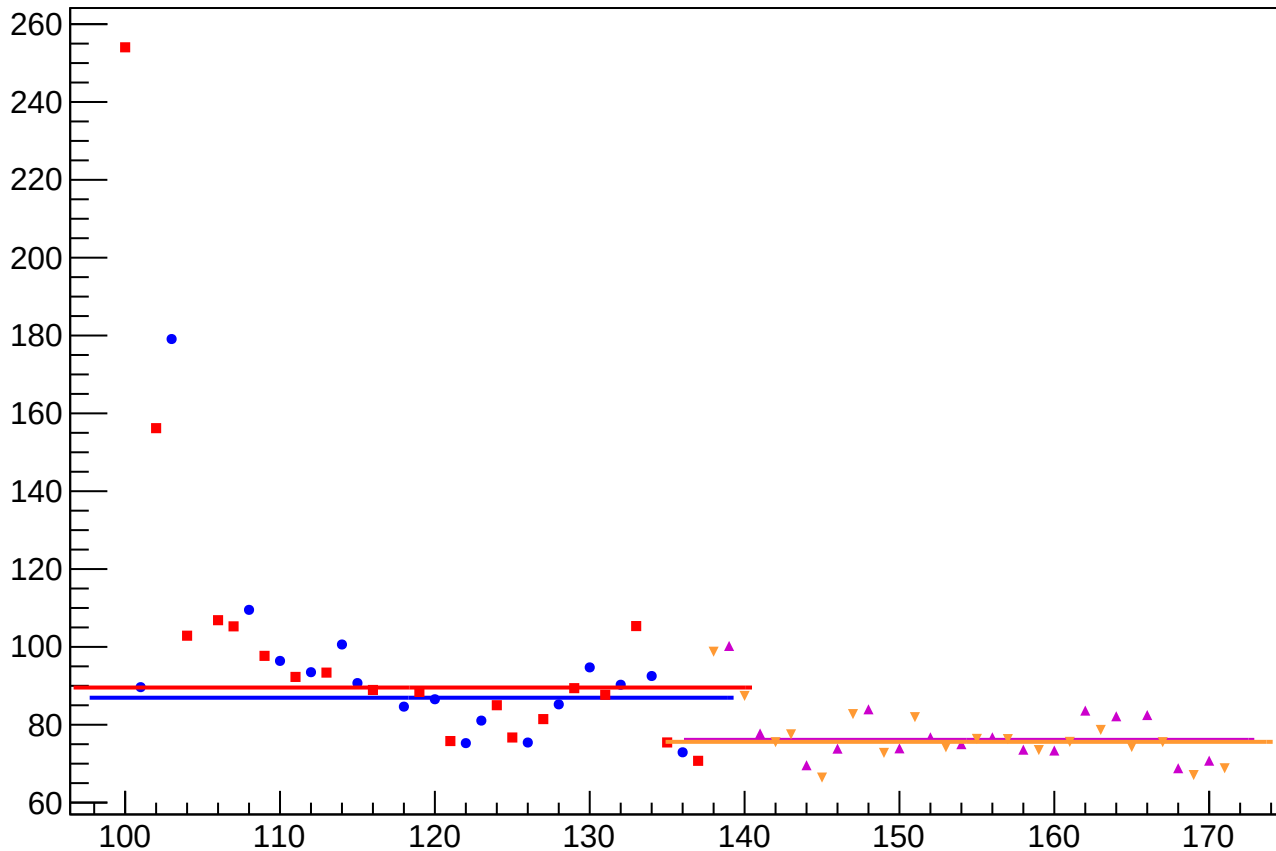
Left In: -60.790 $\pm$ 21.685 χ^2 /NDF:18.4/15

+ sign 30.496 $\pm$ 17.789 χ^2 /NDF: 35.8/34

All: -15.624 $\pm$ 12.786 χ^2 /NDF: 83.6/69

- sign -64.909 $\pm$ 18.389 χ^2 /NDF: 33.9/34

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 75.607+/-0.015 χ^2/NDF : 205571.0/17

Right Out: 89.561+/-0.025 χ^2/NDF : 431229.7/18

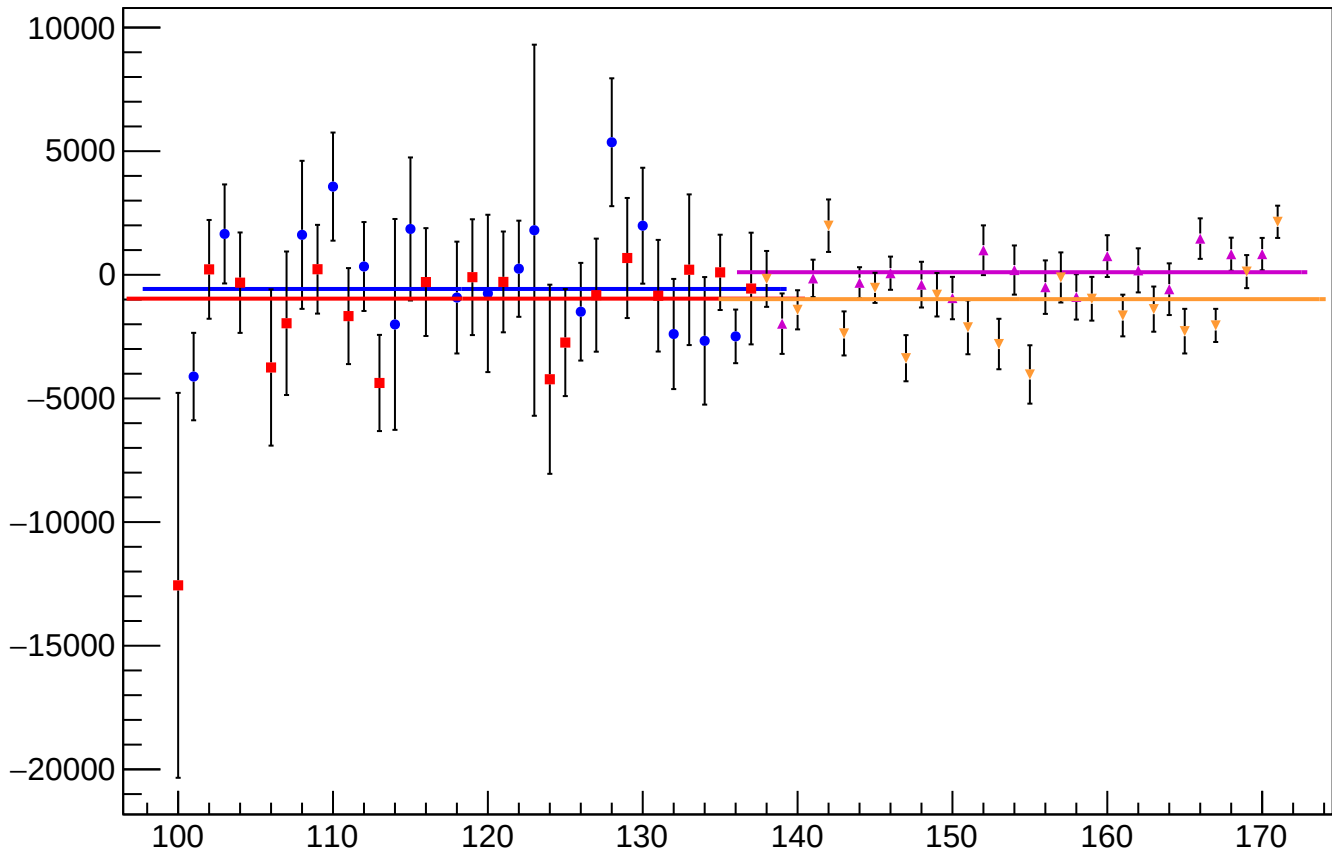
Left In: 76.116+/-0.015 χ^2/NDF : 173276.8/15

+ sign 78.607+/-0.013 χ^2/NDF : 819393.6/34

All: 79.228+/-0.009 χ^2/NDF : 1644879.1/69

- sign 79.893+/-0.013 χ^2/NDF : 820432.6/34

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -983.866 ± 199.654 χ^2/NDF : 61.0/17

Right Out: -963.846 ± 514.621 χ^2/NDF : 10.1/18

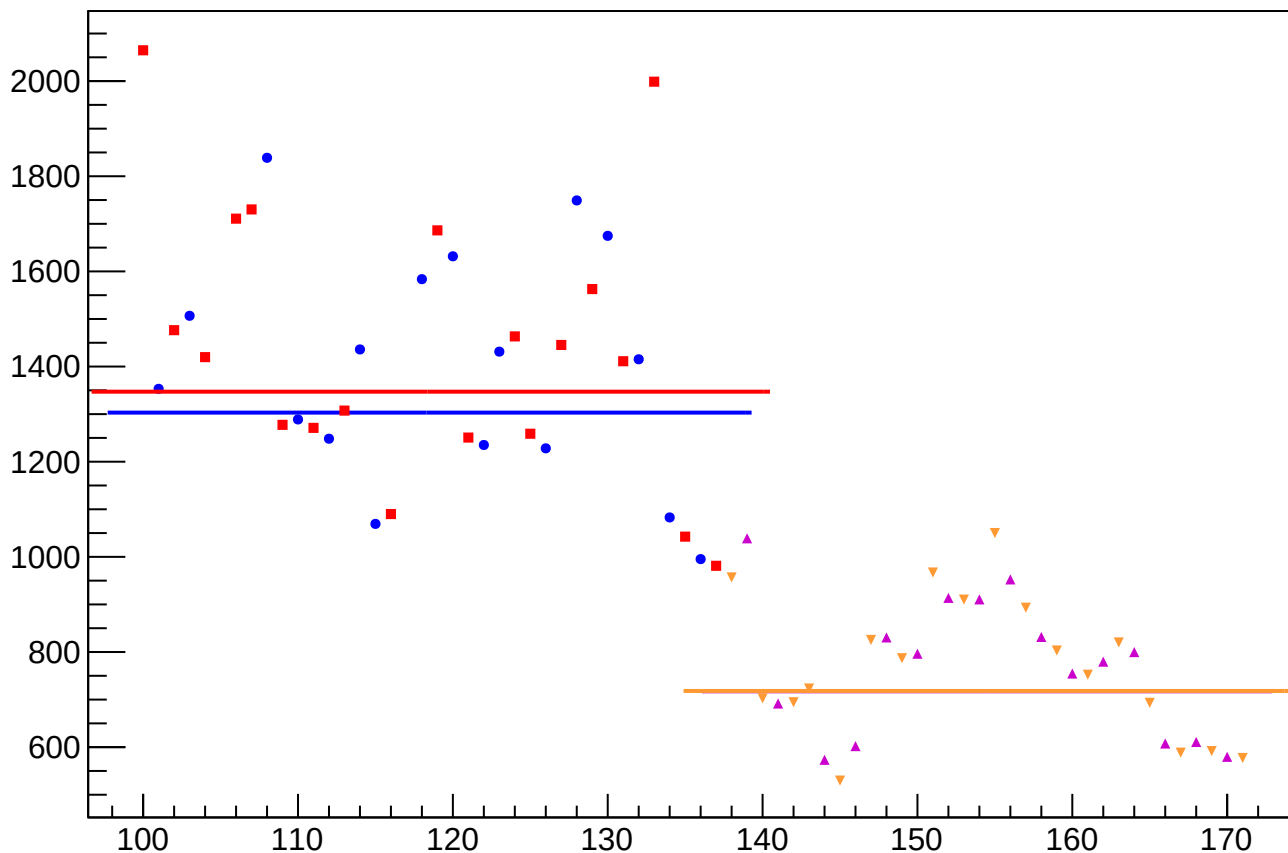
Left In: 105.089 ± 206.818 χ^2/NDF : 13.8/15

+ sign -930.462 ± 186.250 χ^2/NDF : 83.4/34

All: -500.255 ± 133.652 χ^2/NDF : 122.0/69

- sign -43.548 ± 191.901 χ^2/NDF : 27.6/34

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201 $\pm$ 0.366 χ^2 /NDF: 451961.9/16

Left Out: 718.115 $\pm$ 0.141 χ^2 /NDF: 1002363.1/17

Right Out: 1347.177 $\pm$ 0.364 χ^2 /NDF: 420774.0/18

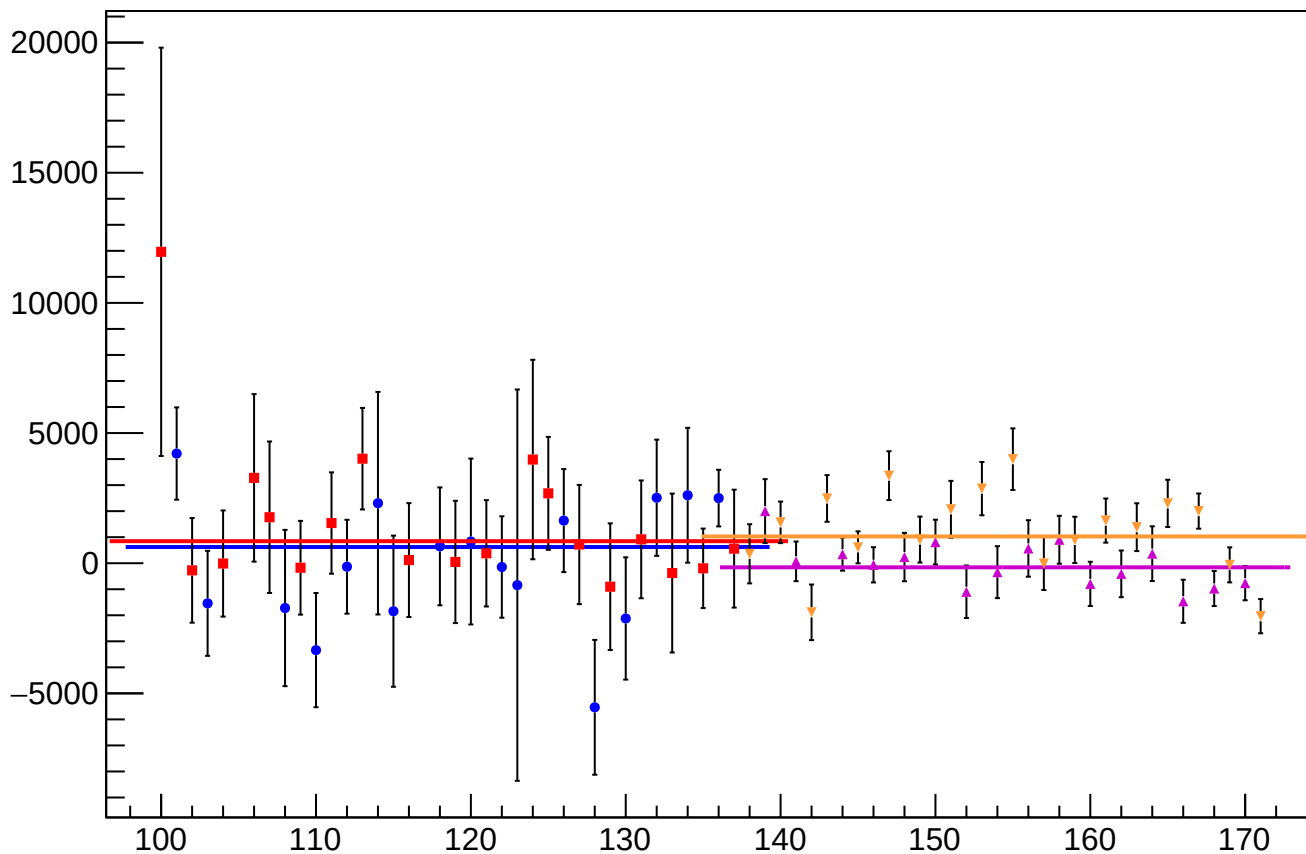
Left In: 717.379 $\pm$ 0.146 χ^2 /NDF: 830296.8/15

+ sign 794.042 $\pm$ 0.132 χ^2 /NDF: 3683215.0/34

All: 799.335 $\pm$ 0.095 χ^2 /NDF: 7516512.3/69

- sign 804.954 $\pm$ 0.136 χ^2 /NDF: 3829967.2/34

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 ± 518.496 $\chi^2/\text{NDF}: 22.0/16$

Left Out: 1028.491 ± 200.869 $\chi^2/\text{NDF}: 58.1/17$

Right Out: 846.021 ± 516.325 $\chi^2/\text{NDF}: 9.1/18$

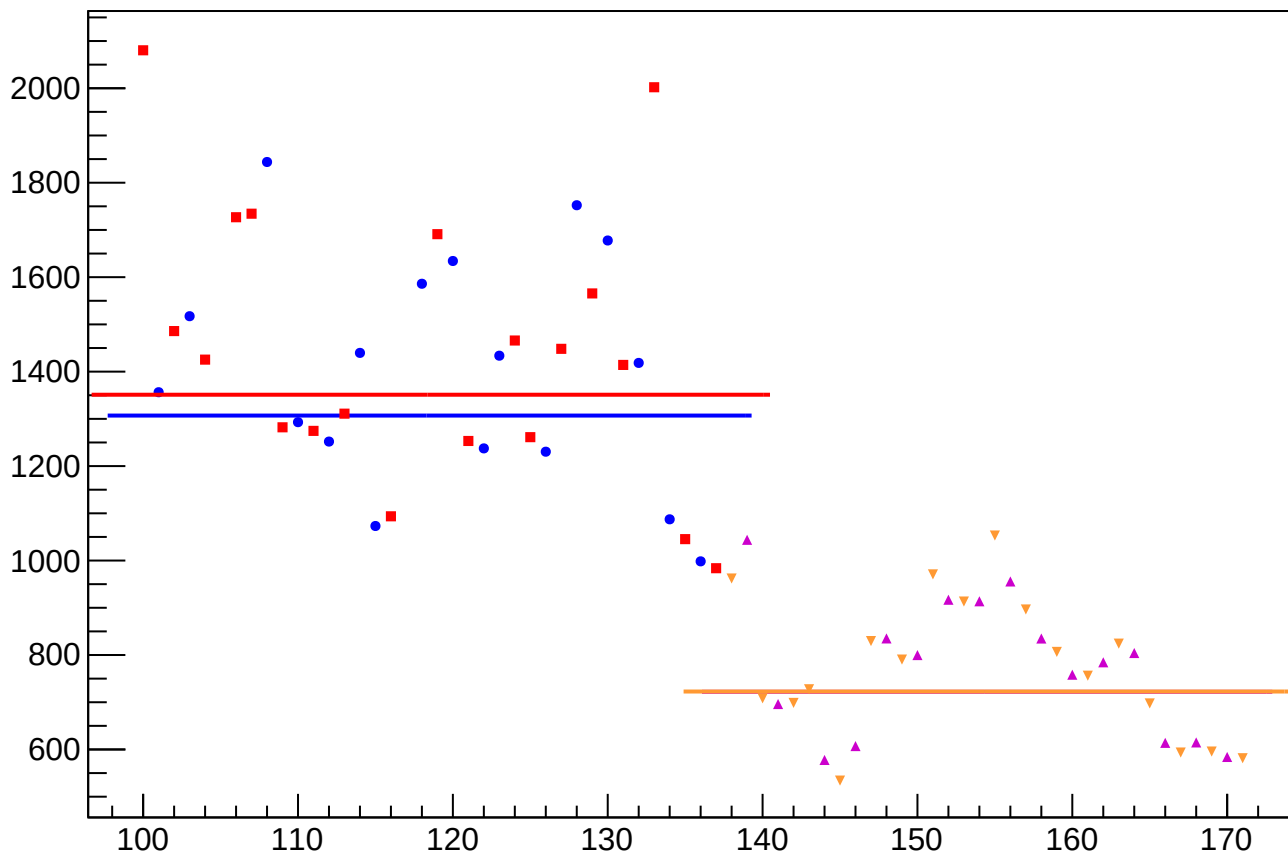
Left In: -157.783 ± 208.107 $\chi^2/\text{NDF}: 13.6/15$

+ sign 975.498 ± 187.305 $\chi^2/\text{NDF}: 80.6/34$

All: 493.913 ± 134.419 $\chi^2/\text{NDF}: 120.2/69$

- sign -17.501 ± 193.018 $\chi^2/\text{NDF}: 26.0/34$

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 ± 0.367 $\chi^2/\text{NDF}: 451191.7/16$

Left Out: 722.703 ± 0.142 $\chi^2/\text{NDF}: 986951.9/17$

Right Out: 1351.096 ± 0.365 $\chi^2/\text{NDF}: 421804.6/18$

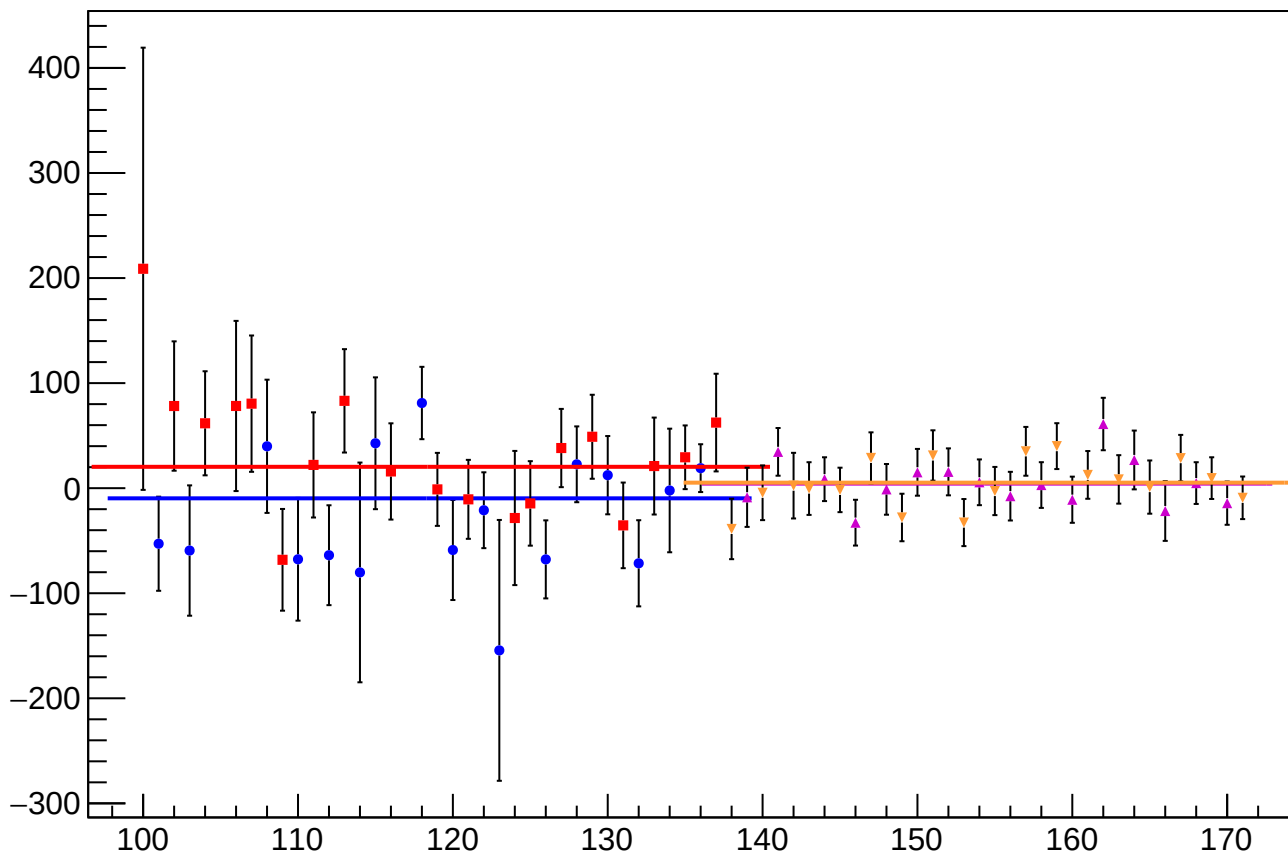
Left In: 722.072 ± 0.147 $\chi^2/\text{NDF}: 816279.6/15$

+ sign 798.950 ± 0.132 $\chi^2/\text{NDF}: 3646394.0/34$

All: 804.299 ± 0.095 $\chi^2/\text{NDF}: 7441384.4/69$

- sign 809.978 ± 0.136 $\chi^2/\text{NDF}: 3791627.9/34$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 5.244 ± 5.492 χ^2/NDF : 15.9/17

Right Out: 20.335 ± 10.444 χ^2/NDF : 14.7/18

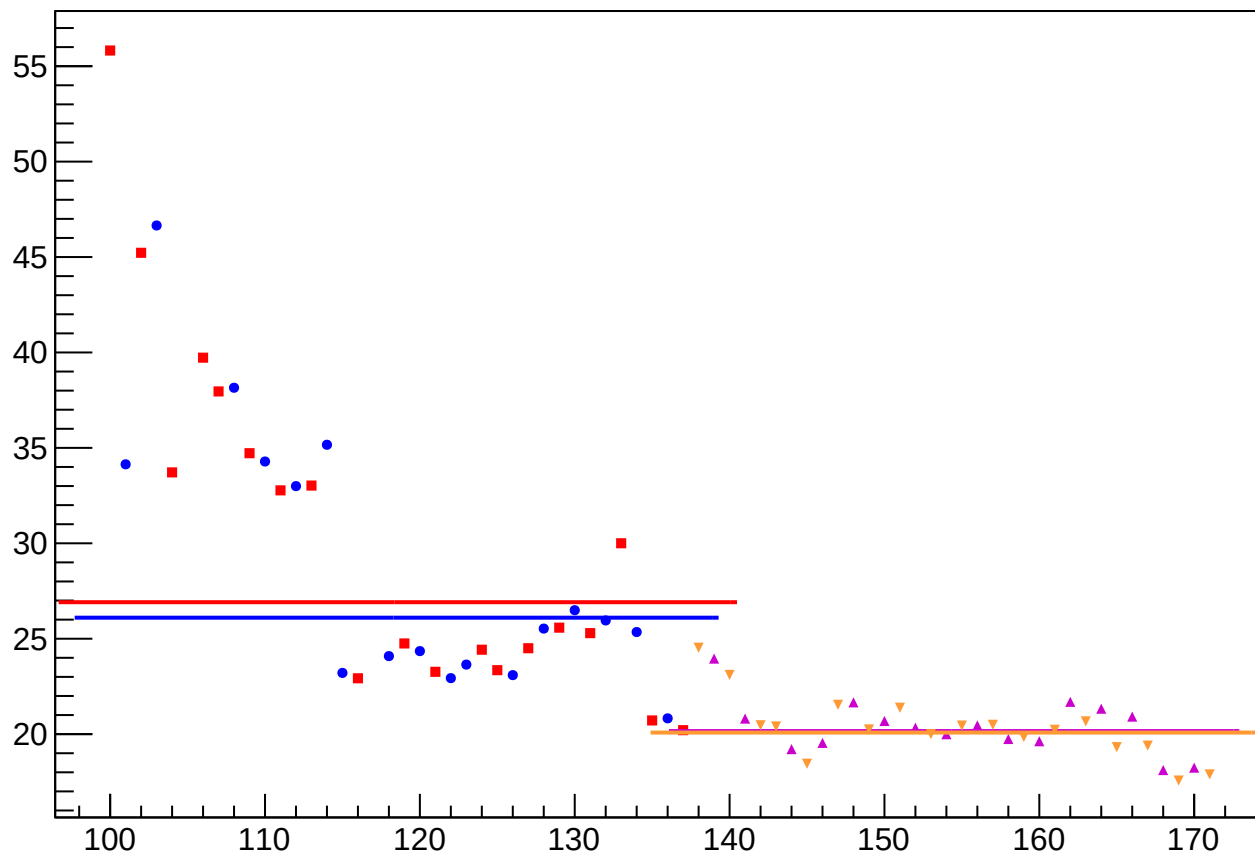
Left In: 4.313 ± 5.725 χ^2/NDF : 13.7/15

+ sign 1.996 ± 4.857 χ^2/NDF : 40.1/34

All: 4.906 ± 3.491 χ^2/NDF : 71.0/69

- sign 8.015 ± 5.020 χ^2/NDF : 30.2/34

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103 $\pm$ 0.007 χ^2/NDF : 604038.5/16

Left Out: 20.083 $\pm$ 0.004 χ^2/NDF : 162328.6/17

Right Out: 26.914 $\pm$ 0.007 χ^2/NDF : 678970.2/18

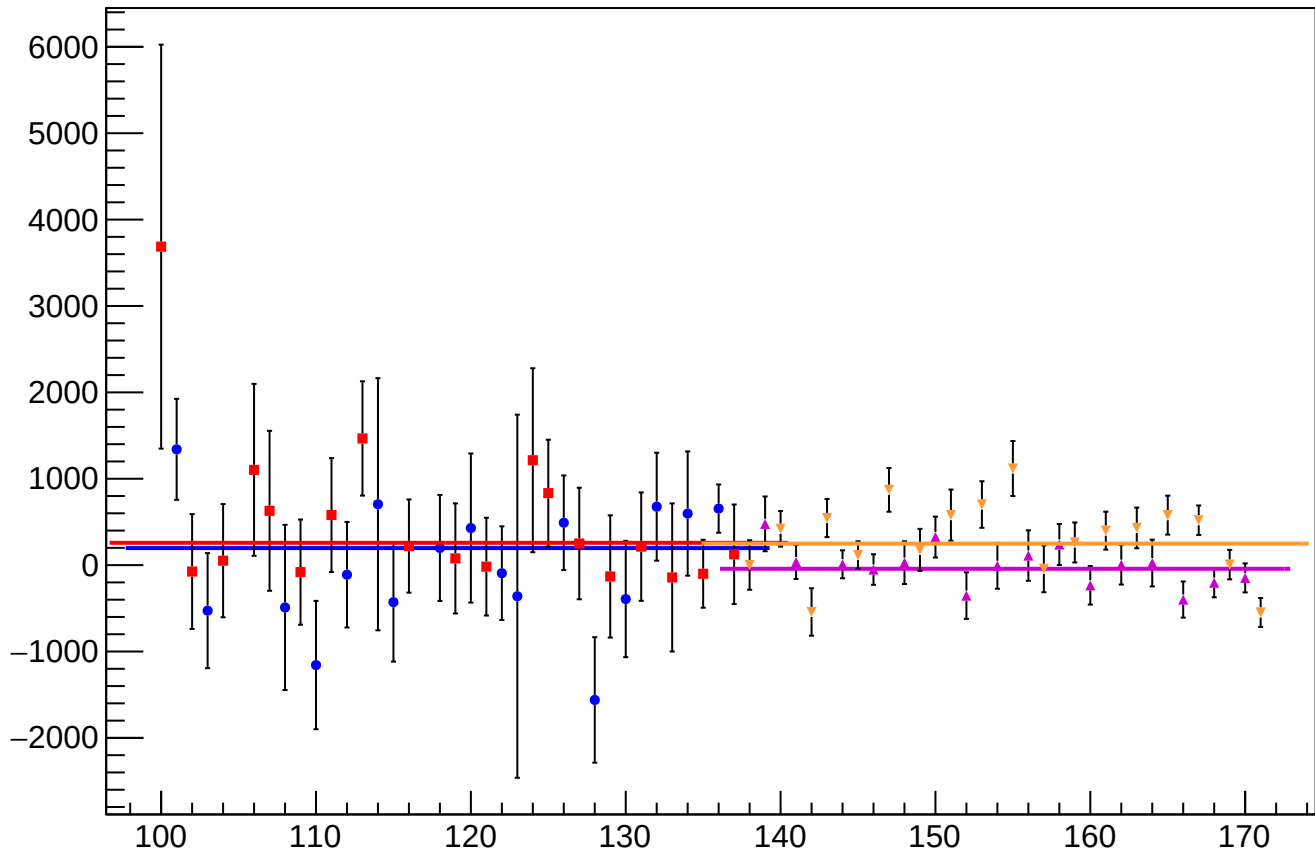
Left In: 20.161 $\pm$ 0.004 χ^2/NDF : 105996.4/15

+ sign 21.394 $\pm$ 0.003 χ^2/NDF : 1289680.2/34

All: 21.552 $\pm$ 0.002 χ^2/NDF : 2722010.2/69

- sign 21.721 $\pm$ 0.004 χ^2/NDF : 1427942.3/34

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 249.242 ± 51.860 χ^2/NDF : 61.5/17

Right Out: 258.537 ± 149.867 χ^2/NDF : 10.7/18

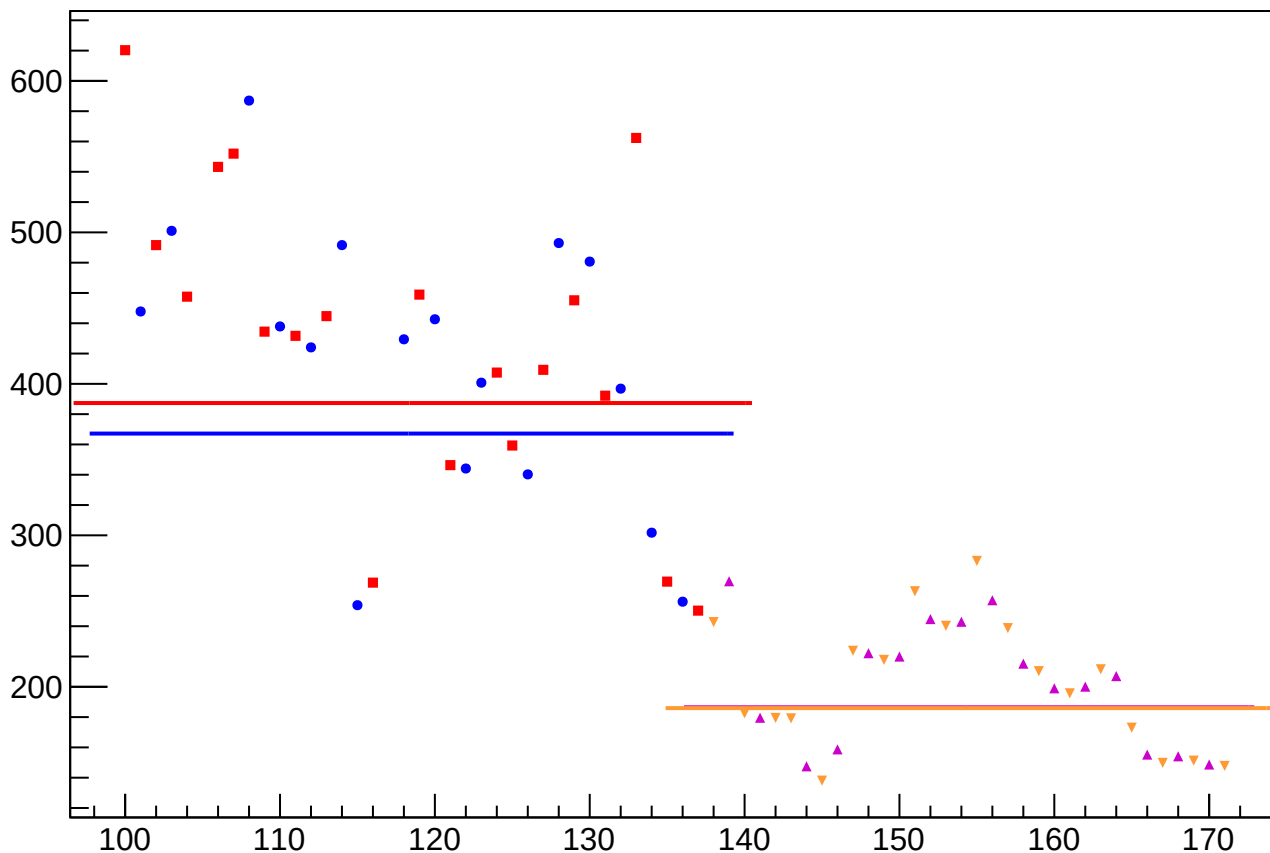
Left In: -42.265 ± 53.910 χ^2/NDF : 13.5/15

+ sign 243.557 ± 48.938 χ^2/NDF : 82.6/34

All: 122.389 ± 35.220 χ^2/NDF : 123.1/69

- sign -7.802 ± 50.728 χ^2/NDF : 27.7/34

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 185.920 $\pm$ 0.037 χ^2 /NDF: 1154738.8/17

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

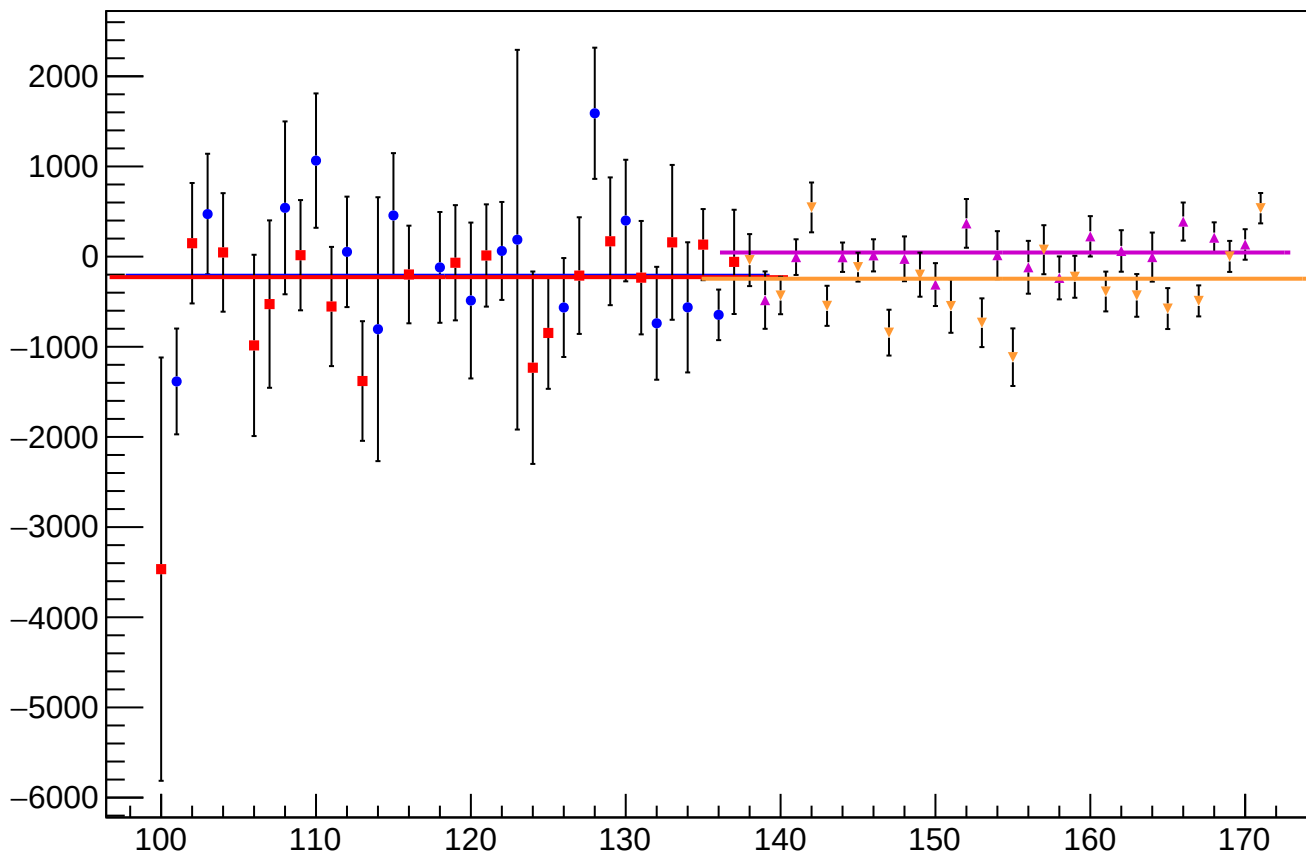
Left In: 186.474 $\pm$ 0.038 χ^2 /NDF: 962528.6/15

+ sign 205.770 $\pm$ 0.035 χ^2 /NDF: 4657509.4/34

All: 207.562 $\pm$ 0.025 χ^2 /NDF: 9581431.6/69

- sign 209.488 $\pm$ 0.036 χ^2 /NDF: 4918357.6/34

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -245.085 ± 52.189 χ^2/NDF : 59.5/17

Right Out: -227.831 ± 150.317 χ^2/NDF : 10.1/18

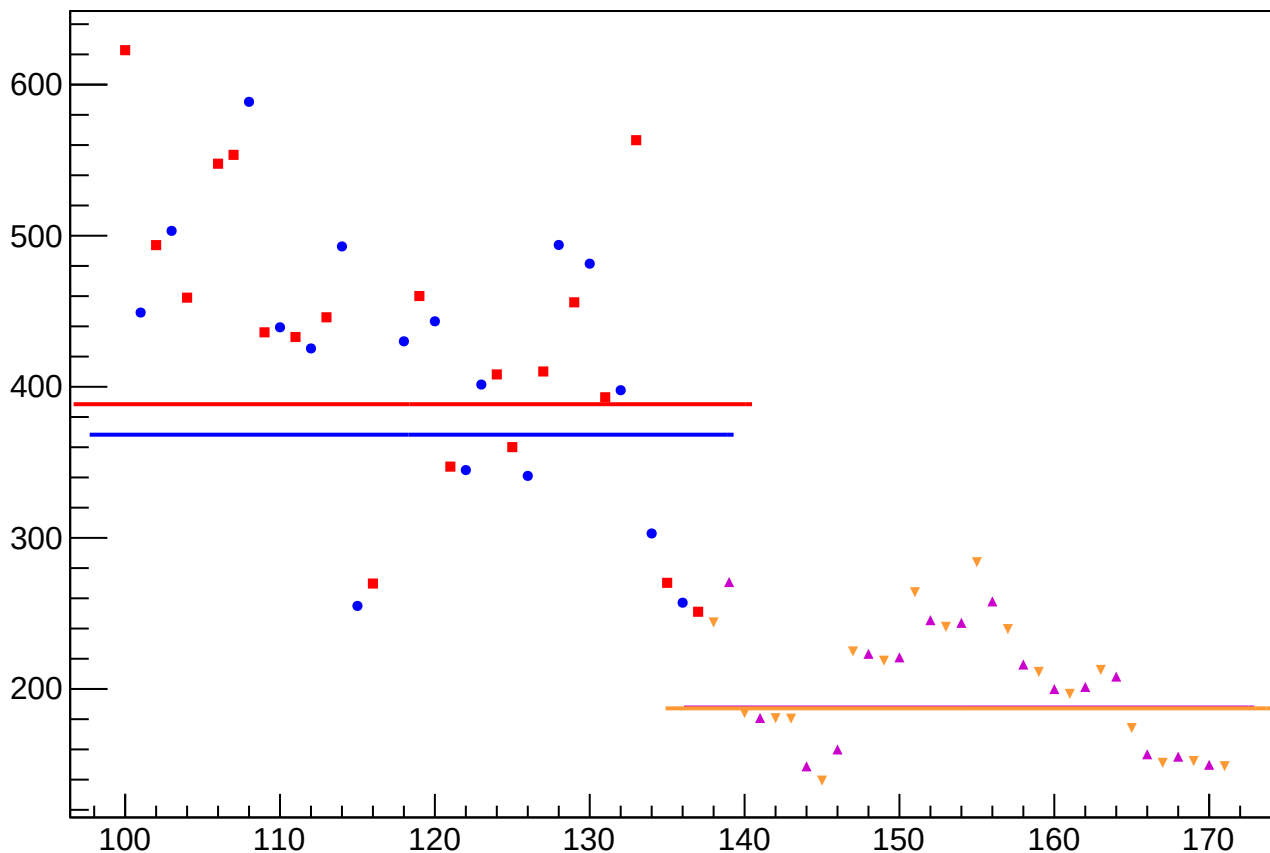
Left In: 45.454 ± 54.256 χ^2/NDF : 13.0/15

+ sign -241.424 ± 49.230 χ^2/NDF : 80.6/34

All: -118.325 ± 35.431 χ^2/NDF : 119.5/69

- sign 13.955 ± 51.033 χ^2/NDF : 25.9/34

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 187.174 $\pm$ 0.037 χ^2 /NDF: 1136316.9/17

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

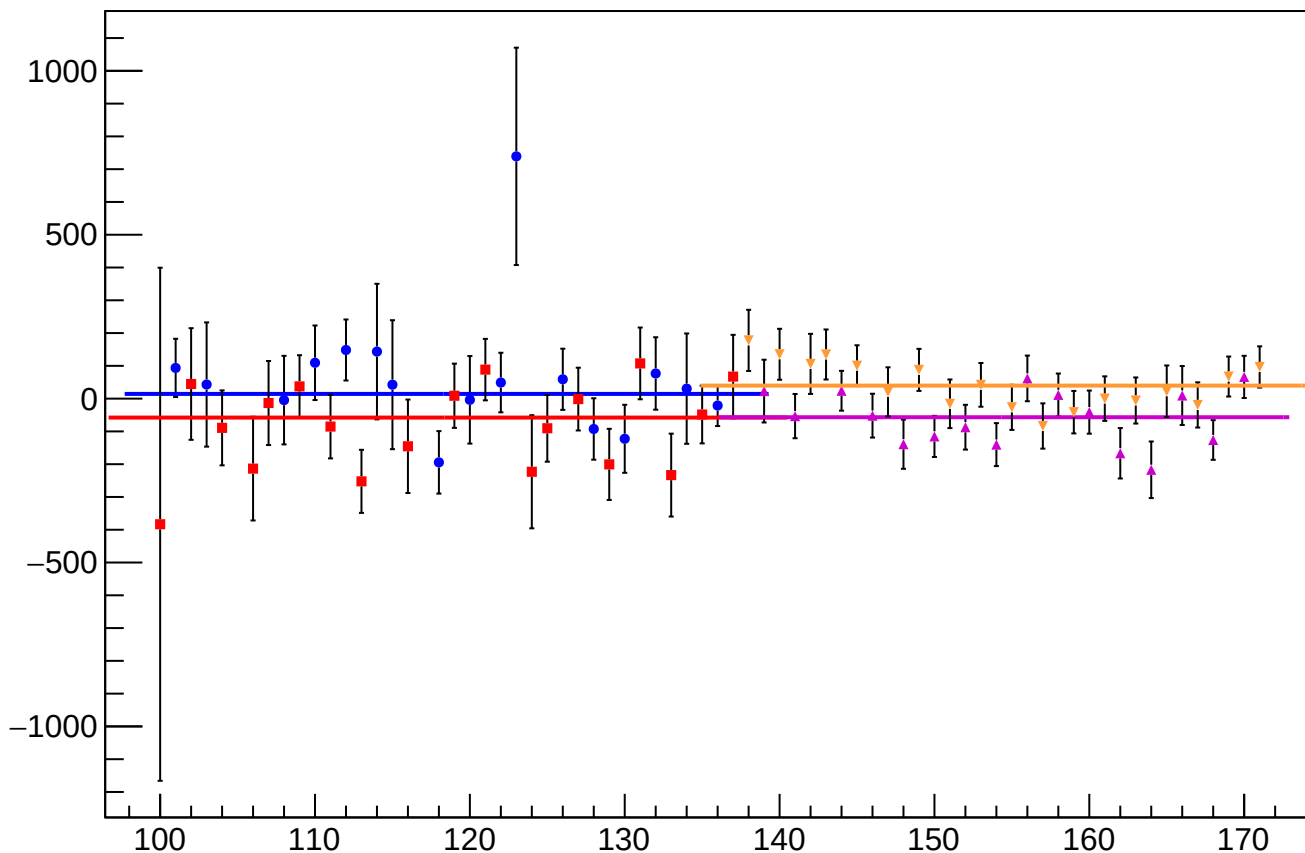
Left In: 187.744 $\pm$ 0.038 χ^2 /NDF: 945499.8/15

+ sign 207.130 $\pm$ 0.035 χ^2 /NDF: 4615108.0/34

All: 208.938 $\pm$ 0.025 χ^2 /NDF: 9496260.8/69

- sign 210.881 $\pm$ 0.036 χ^2 /NDF: 4875555.4/34

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 39.707+/-16.601 χ^2/NDF : 16.1/17

Right Out: -57.795+/-26.121 χ^2/NDF : 18.4/18

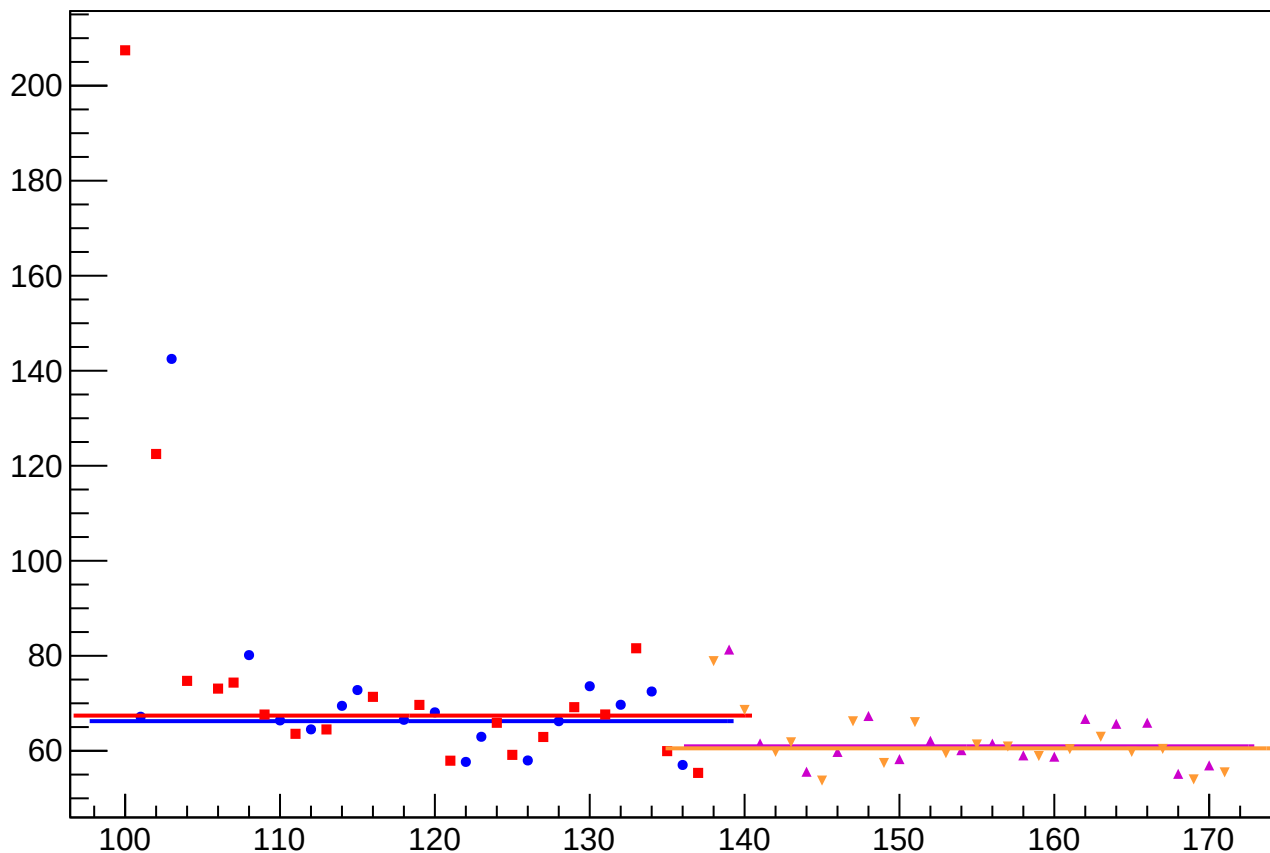
Left In: -56.765+/-17.361 χ^2/NDF : 21.4/15

+ sign 32.506+/-14.043 χ^2/NDF : 34.5/34

All: -10.981+/-10.074 χ^2/NDF : 94.1/69

- sign -57.081+/-14.459 χ^2/NDF : 39.8/34

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247 ± 0.019 χ^2/NDF : 440944.2/16

Left Out: 60.523 ± 0.012 χ^2/NDF : 191195.1/17

Right Out: 67.415 ± 0.018 χ^2/NDF : 393608.5/18

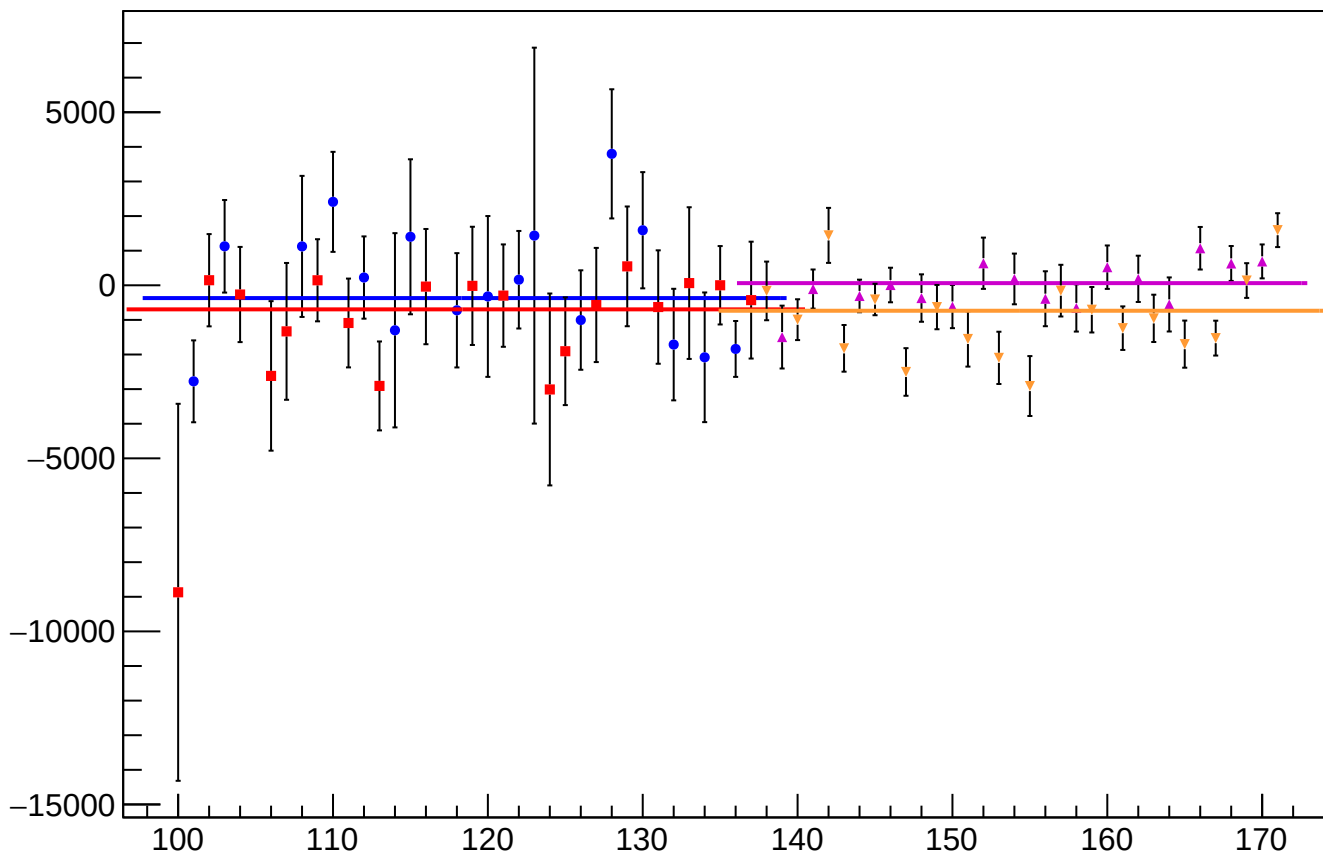
Left In: 60.948 ± 0.012 χ^2/NDF : 179388.7/15

+ sign 62.151 ± 0.010 χ^2/NDF : 699770.1/34

All: 62.529 ± 0.007 χ^2/NDF : 1360782.0/69

- sign 62.930 ± 0.010 χ^2/NDF : 658024.2/34

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 ± 366.432 χ^2/NDF : 22.3/16

Left Out: -735.466 ± 148.829 χ^2/NDF : 60.0/17

Right Out: -695.425 ± 361.887 χ^2/NDF : 9.9/18

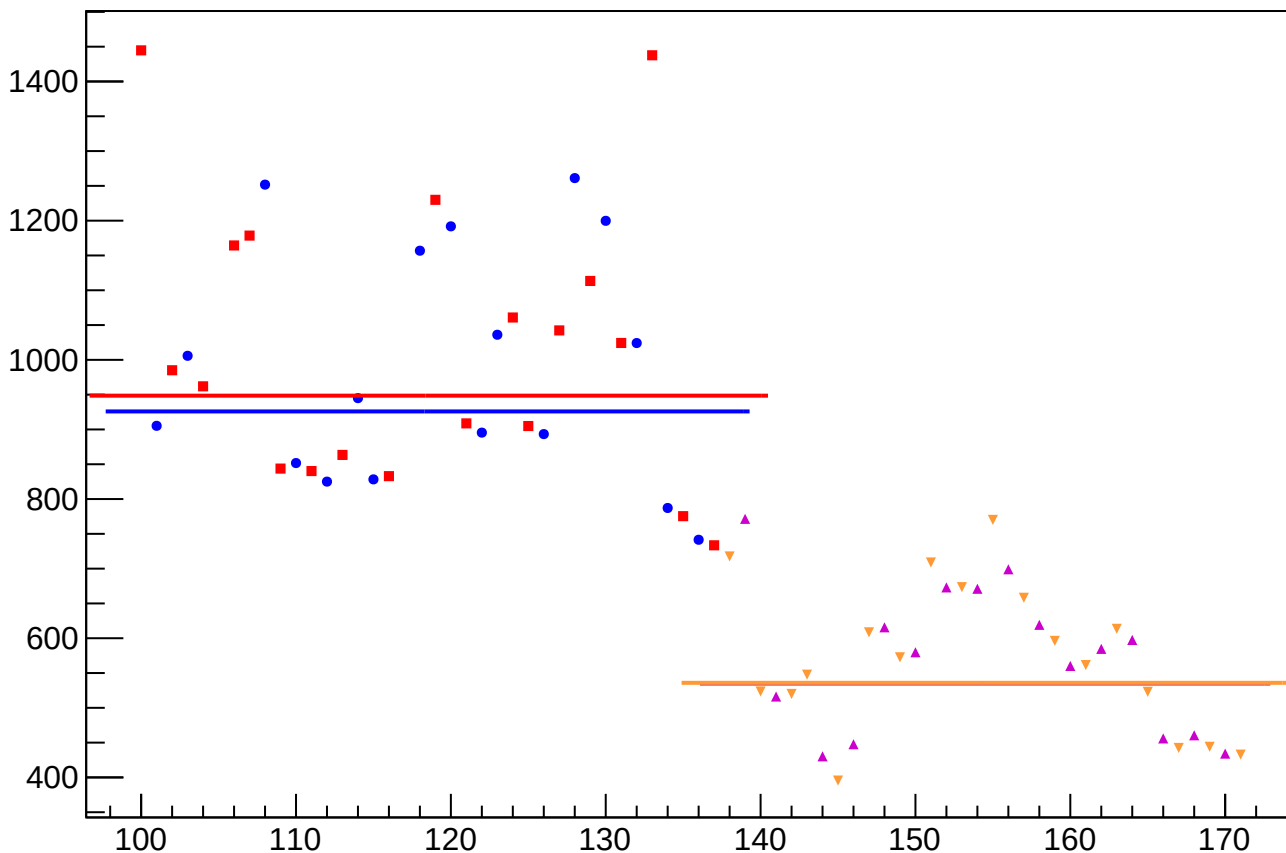
Left In: 62.535 ± 154.047 χ^2/NDF : 14.1/15

+ sign -683.650 ± 137.890 χ^2/NDF : 83.2/34

All: -377.365 ± 98.836 χ^2/NDF : 121.1/69

- sign -53.738 ± 141.739 χ^2/NDF : 27.7/34

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 535.945 $\pm$ 0.105 χ^2 /NDF: 946158.1/17

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

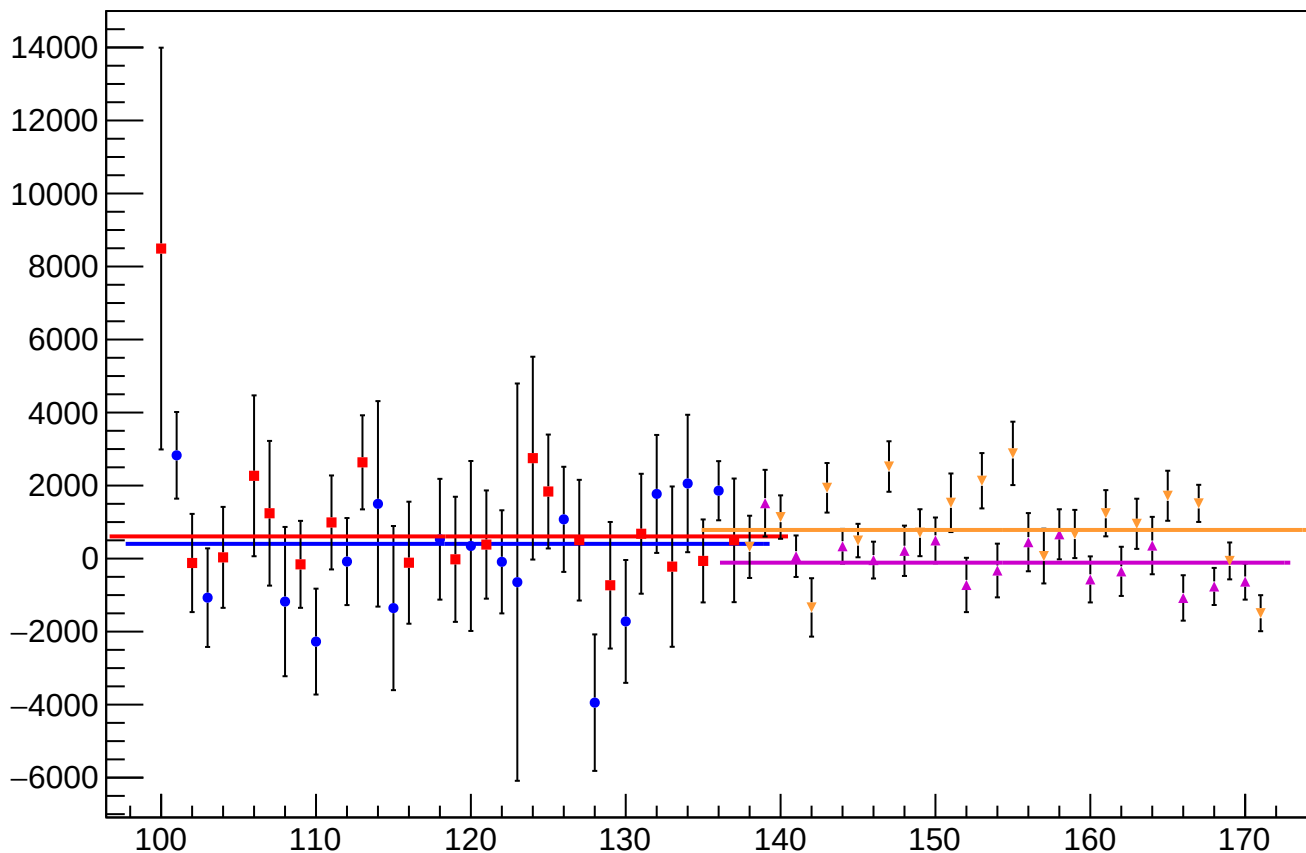
Left In: 534.911 $\pm$ 0.109 χ^2 /NDF: 778633.0/15

+ sign 591.162 $\pm$ 0.098 χ^2 /NDF: 3281366.3/34

All: 594.665 $\pm$ 0.070 χ^2 /NDF: 6656701.8/69

- sign 598.365 $\pm$ 0.100 χ^2 /NDF: 3372682.0/34

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591 ± 367.686 χ^2/NDF : 22.4/16

Left Out: 784.247 ± 149.865 χ^2/NDF : 56.7/17

Right Out: 607.276 ± 363.327 χ^2/NDF : 8.8/18

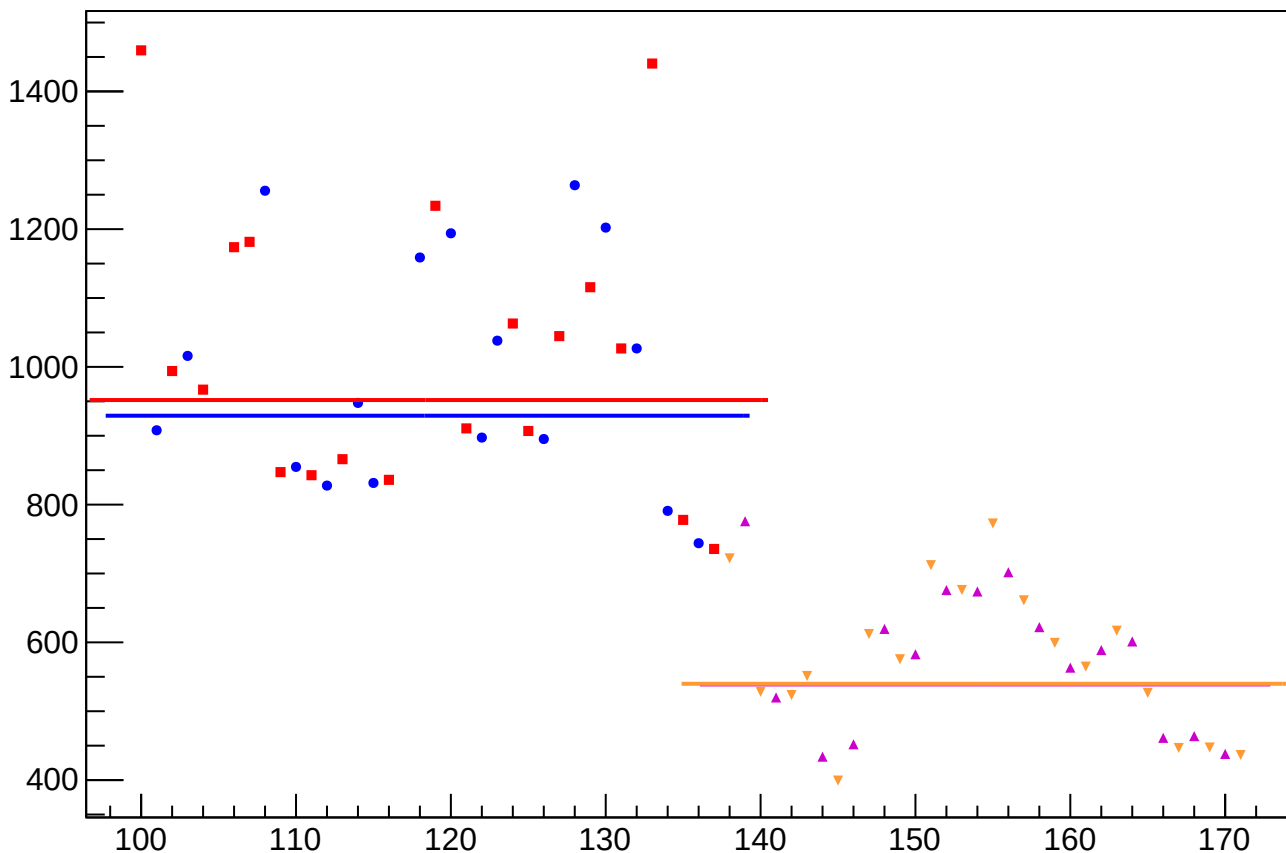
Left In: -112.245 ± 155.143 χ^2/NDF : 14.1/15

+ sign 730.018 ± 138.780 χ^2/NDF : 80.1/34

All: 374.500 ± 99.482 χ^2/NDF : 119.8/69

- sign -1.284 ± 142.680 χ^2/NDF : 26.2/34

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 539.852+/-0.106 χ^2/NDF : 929128.3/17

Right Out: 951.847+/-0.257 χ^2/NDF : 382219.3/18

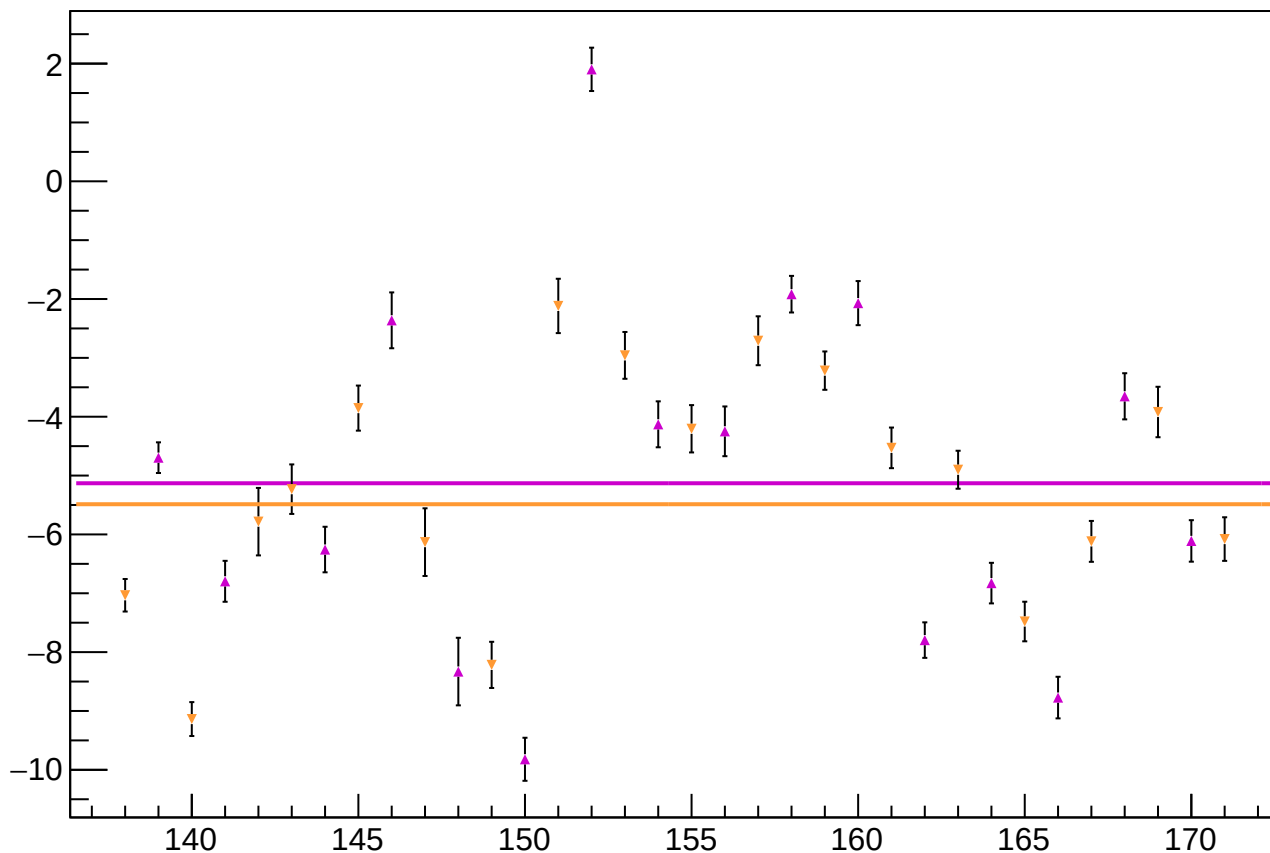
Left In: 538.896+/-0.110 χ^2/NDF : 763703.1/15

+ sign 595.305+/-0.098 χ^2/NDF : 3241513.7/34

All: 598.841+/-0.070 χ^2/NDF : 6575302.2/69

- sign 602.579+/-0.101 χ^2/NDF : 3331116.8/34

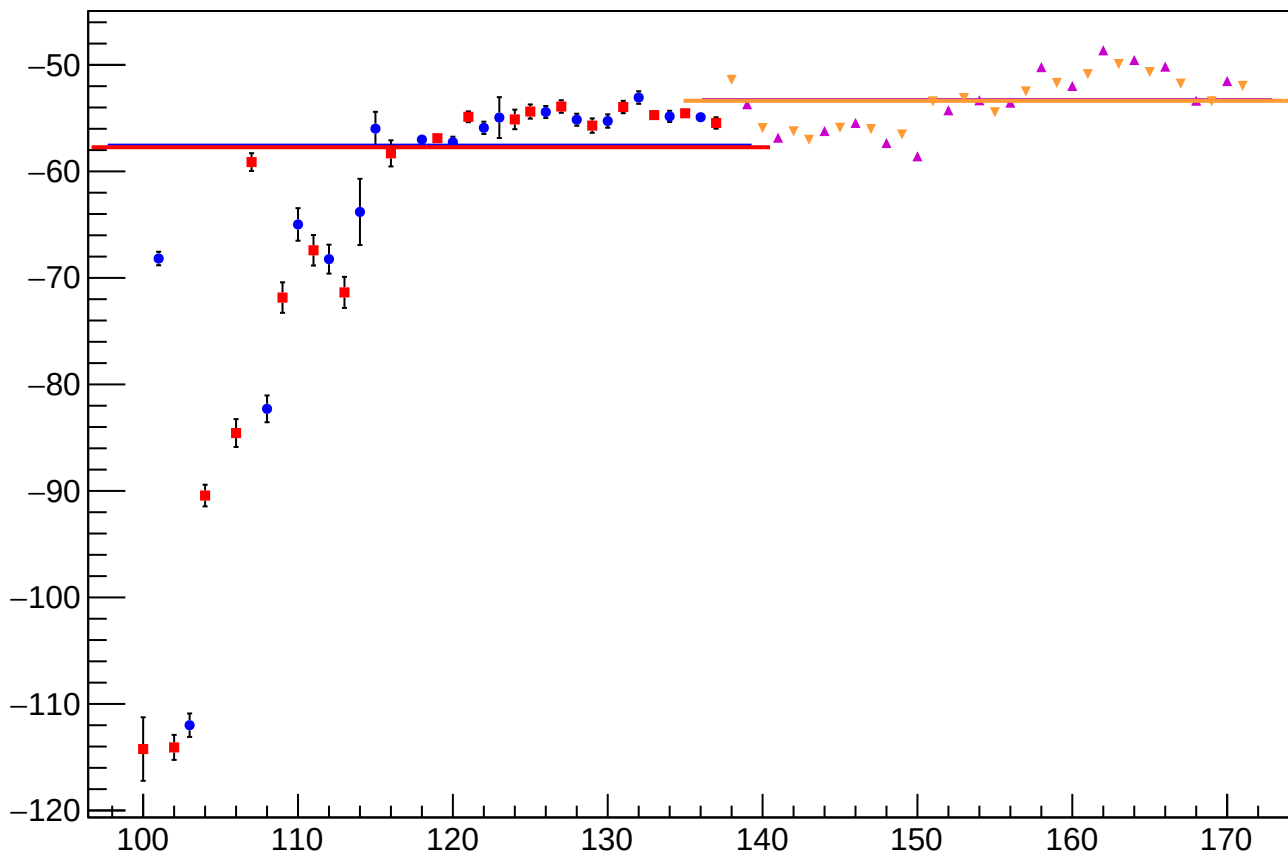
reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -5.487+/-0.088 χ^2/NDF : 522.7/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.131+/-0.090 χ^2/NDF : 1043.0/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -5.314+/-0.063 χ^2/NDF : 1573.8/33
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -53.371 ± 0.066 χ^2/NDF : 1193.8/17

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

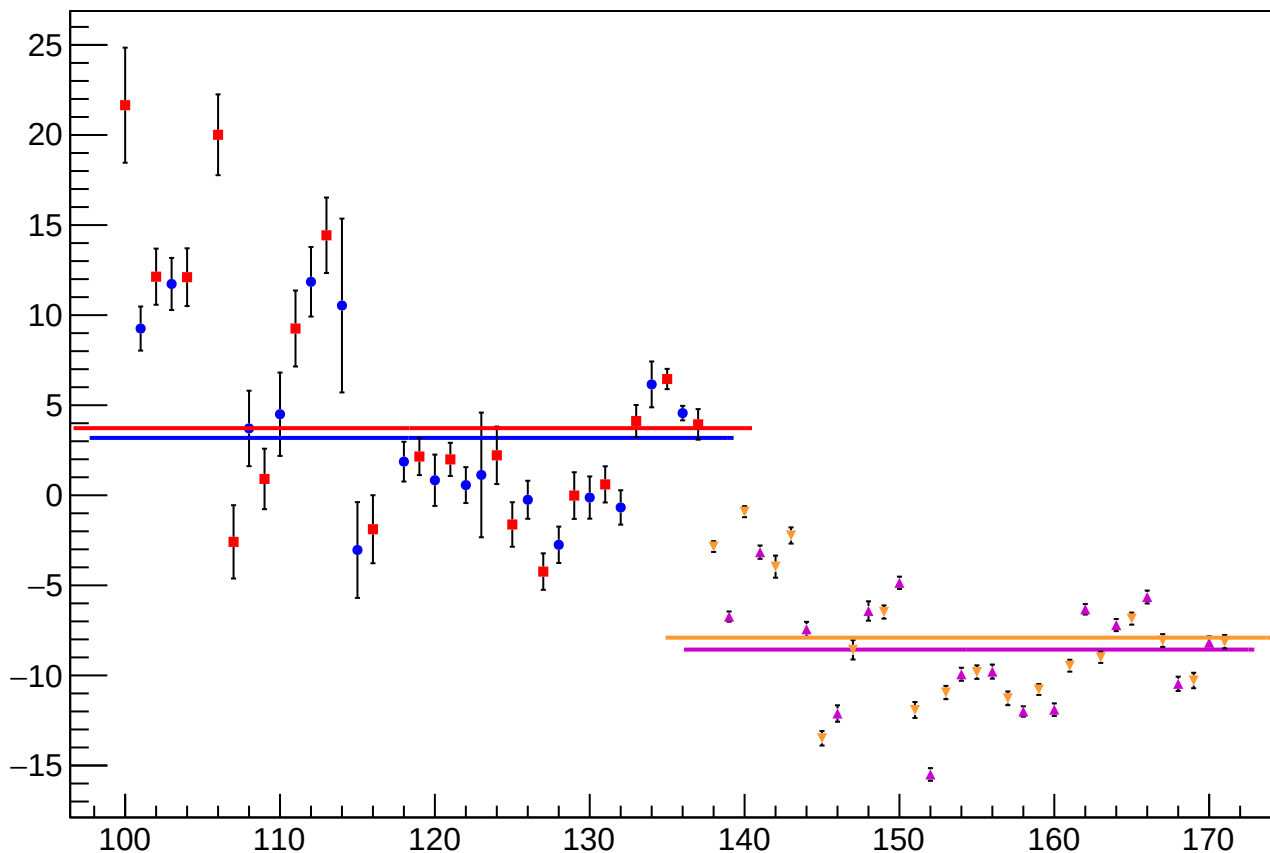
Left In: -53.306 ± 0.069 χ^2/NDF : 1930.0/15

+ sign -54.103 ± 0.060 χ^2/NDF : 5364.7/34

All: -54.122 ± 0.043 χ^2/NDF : 12770.9/69

- sign -54.142 ± 0.062 χ^2/NDF : 7405.9/34

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -7.904 ± 0.087 χ^2/NDF : 1632.2/17

Right Out: 3.726 ± 0.268 χ^2/NDF : 324.1/18

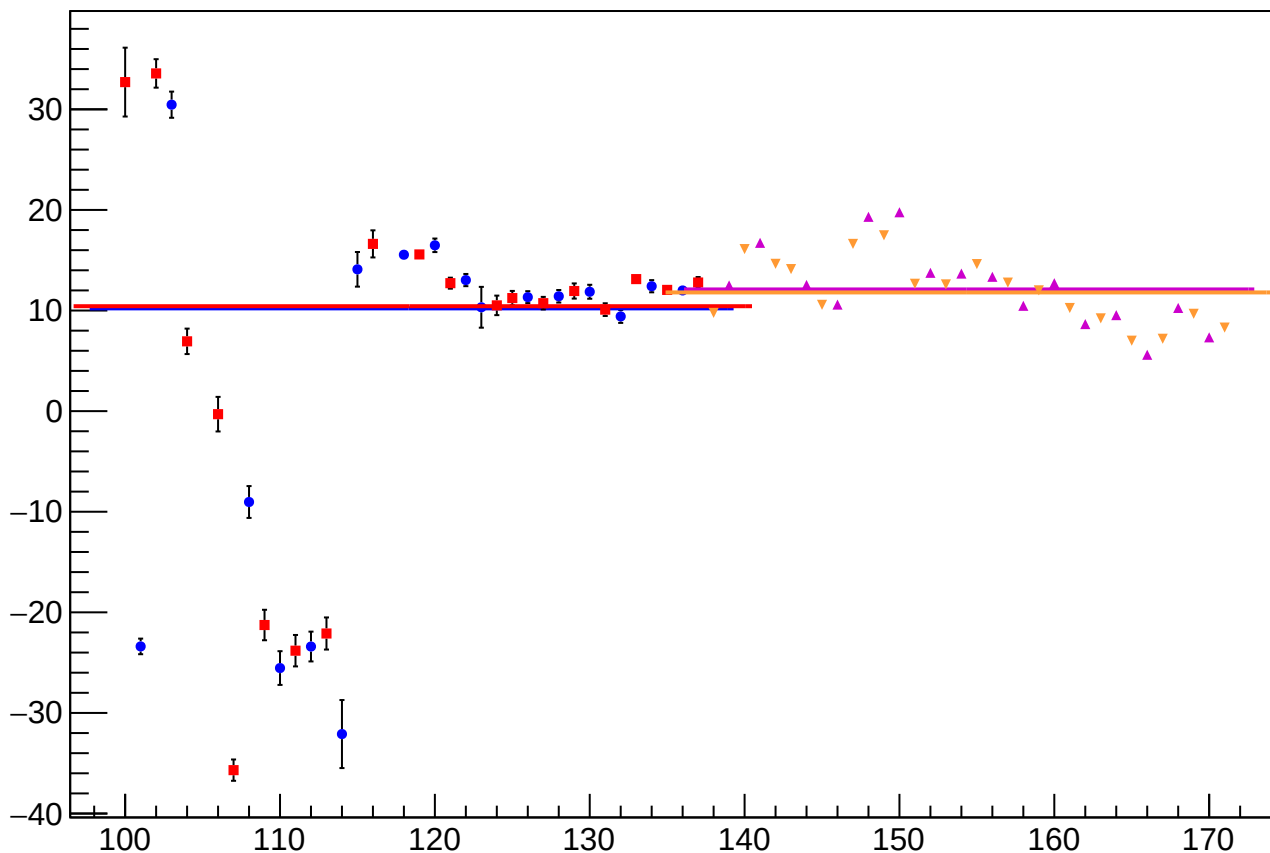
Left In: -8.566 ± 0.088 χ^2/NDF : 1268.6/15

+ sign -6.784 ± 0.082 χ^2/NDF : 3466.2/34

All: -7.064 ± 0.059 χ^2/NDF : 6985.4/69

- sign -7.355 ± 0.084 χ^2/NDF : 3495.7/34

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 11.800 $\pm$ 0.074 χ^2 /NDF:1688.2/17

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

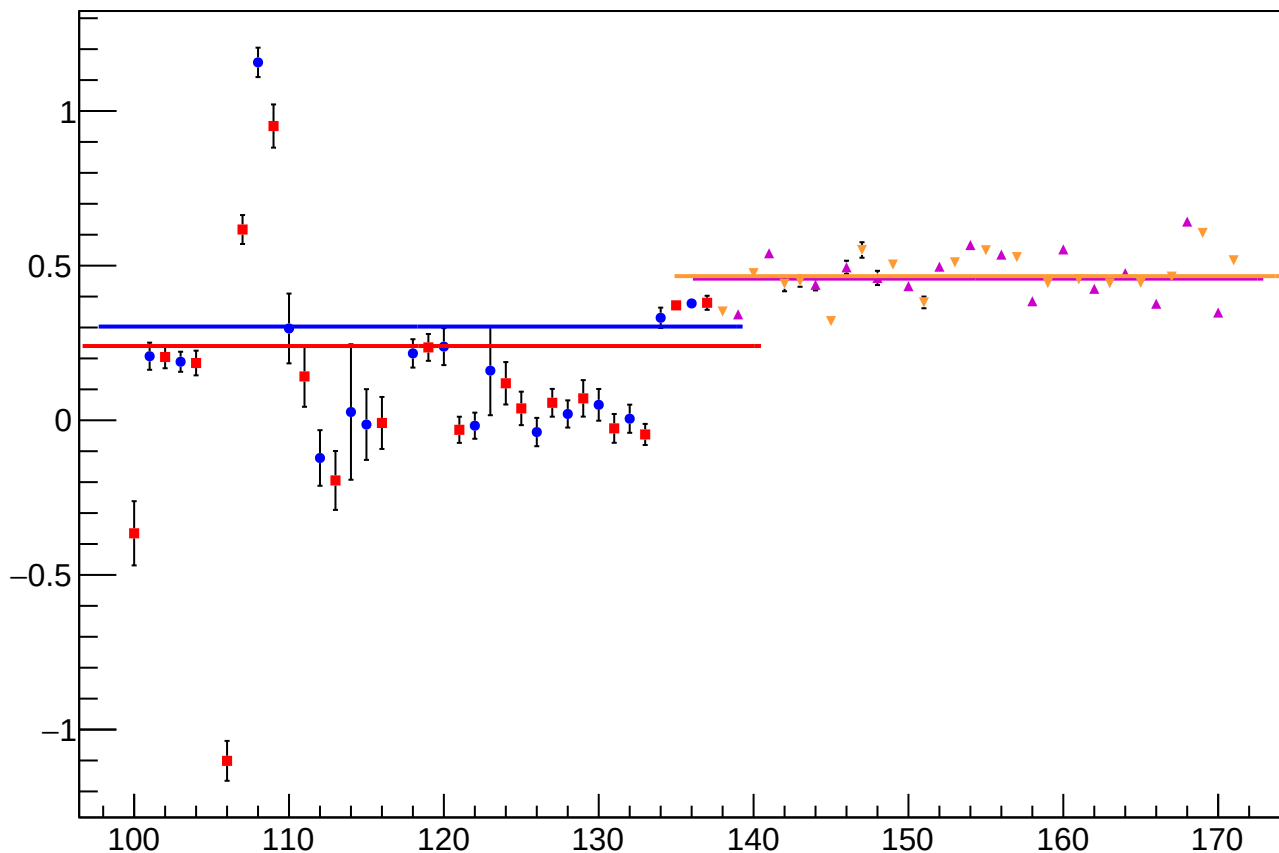
Left In: 12.097 $\pm$ 0.078 χ^2 /NDF:2336.7/15

+ sign 11.512 $\pm$ 0.067 χ^2 /NDF: 5463.1/34

All: 11.641 $\pm$ 0.048 χ^2 /NDF: 11722.1/69

- sign 11.780 $\pm$ 0.070 χ^2 /NDF: 6251.4/34

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.466 $\pm$ 0.003 χ^2 /NDF: 401.6/17

Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.4/18

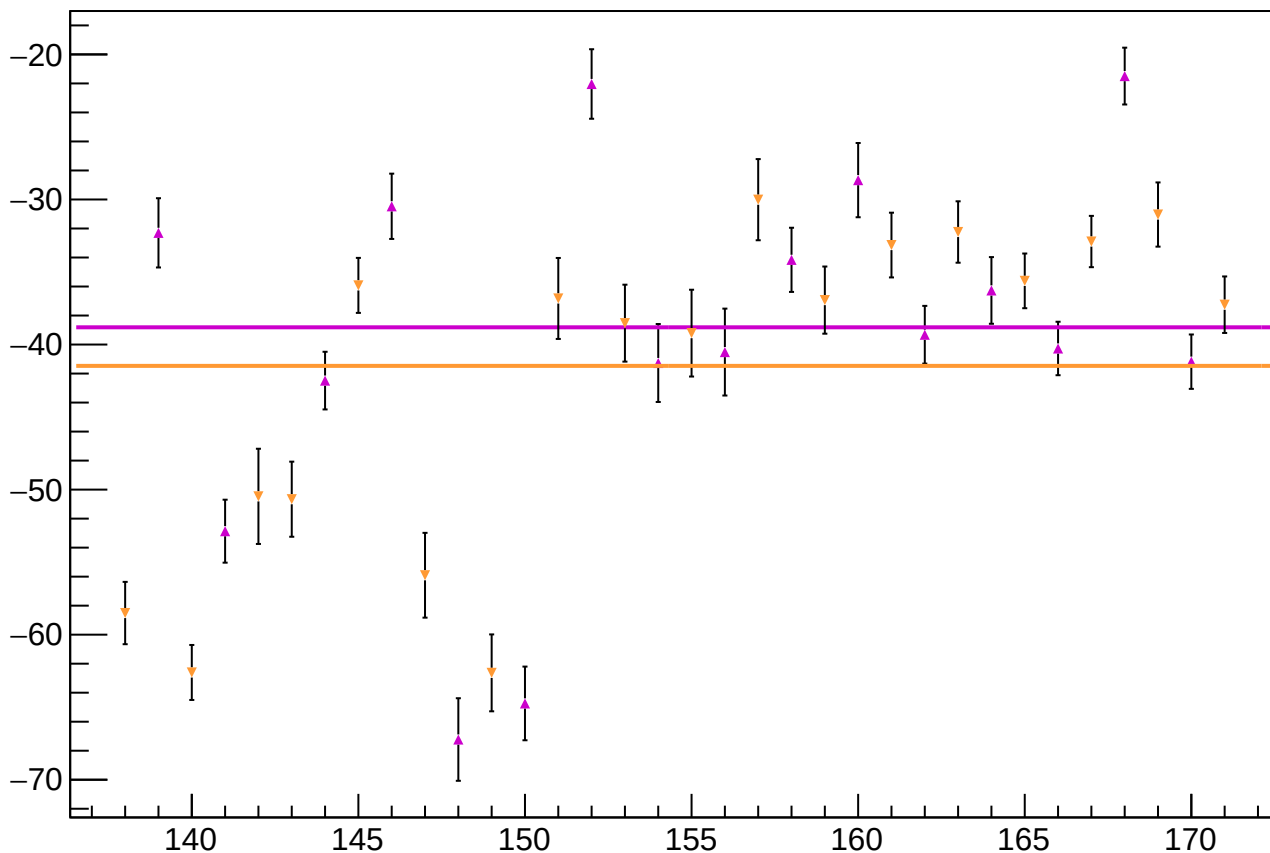
Left In: 0.458 $\pm$ 0.003 χ^2 /NDF: 655.0/15

+ sign 0.443 $\pm$ 0.003 χ^2 /NDF: 1385.8/34

All: 0.436 $\pm$ 0.002 χ^2 /NDF: 3599.7/69

- sign 0.428 $\pm$ 0.003 χ^2 /NDF: 2202.8/34

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -41.470+/-0.537 χ^2/NDF : 422.3/17

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

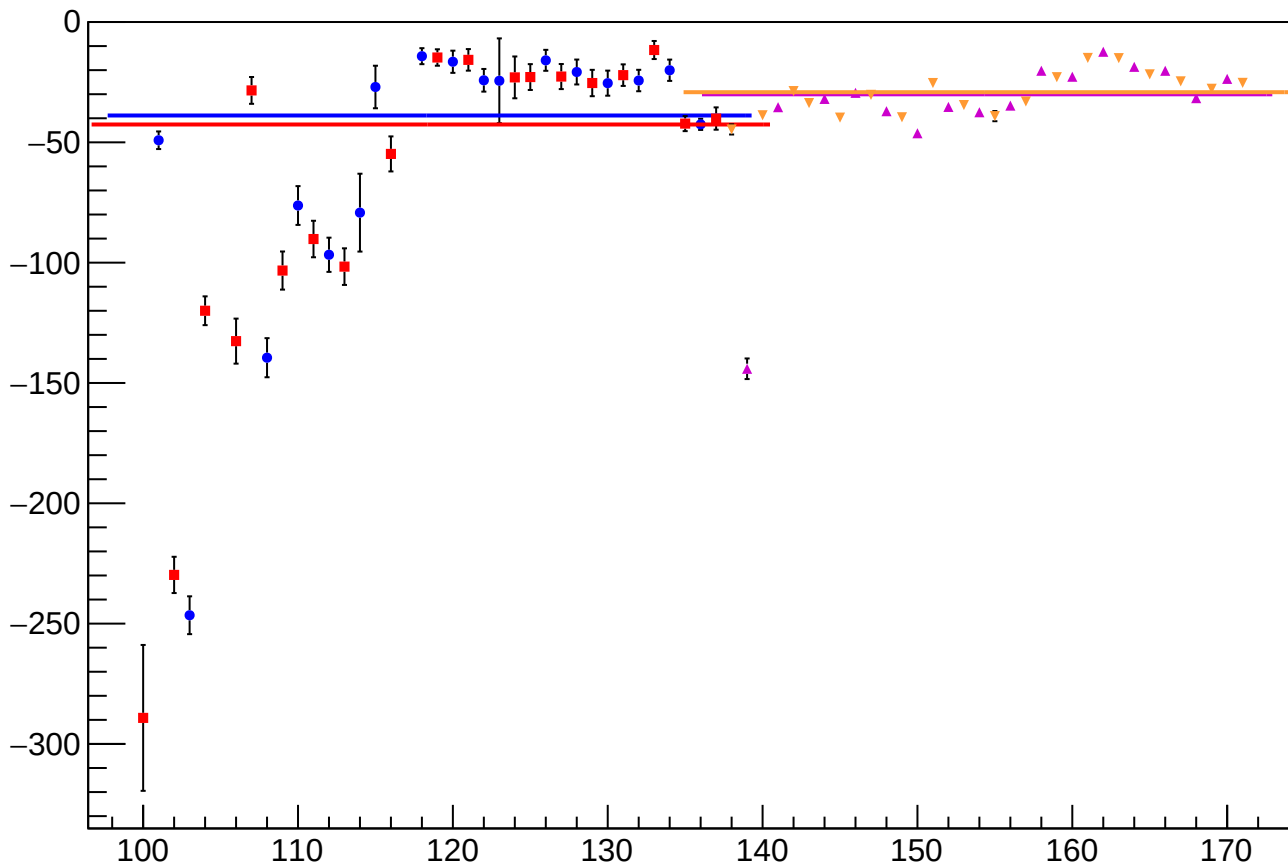
Left In: -38.812+/-0.561 χ^2/NDF : 422.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -40.198+/-0.388 χ^2/NDF : 856.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -29.162 ± 0.392 χ^2/NDF : 438.6/17

Right Out: -42.586 ± 1.210 χ^2/NDF : 1345.7/18

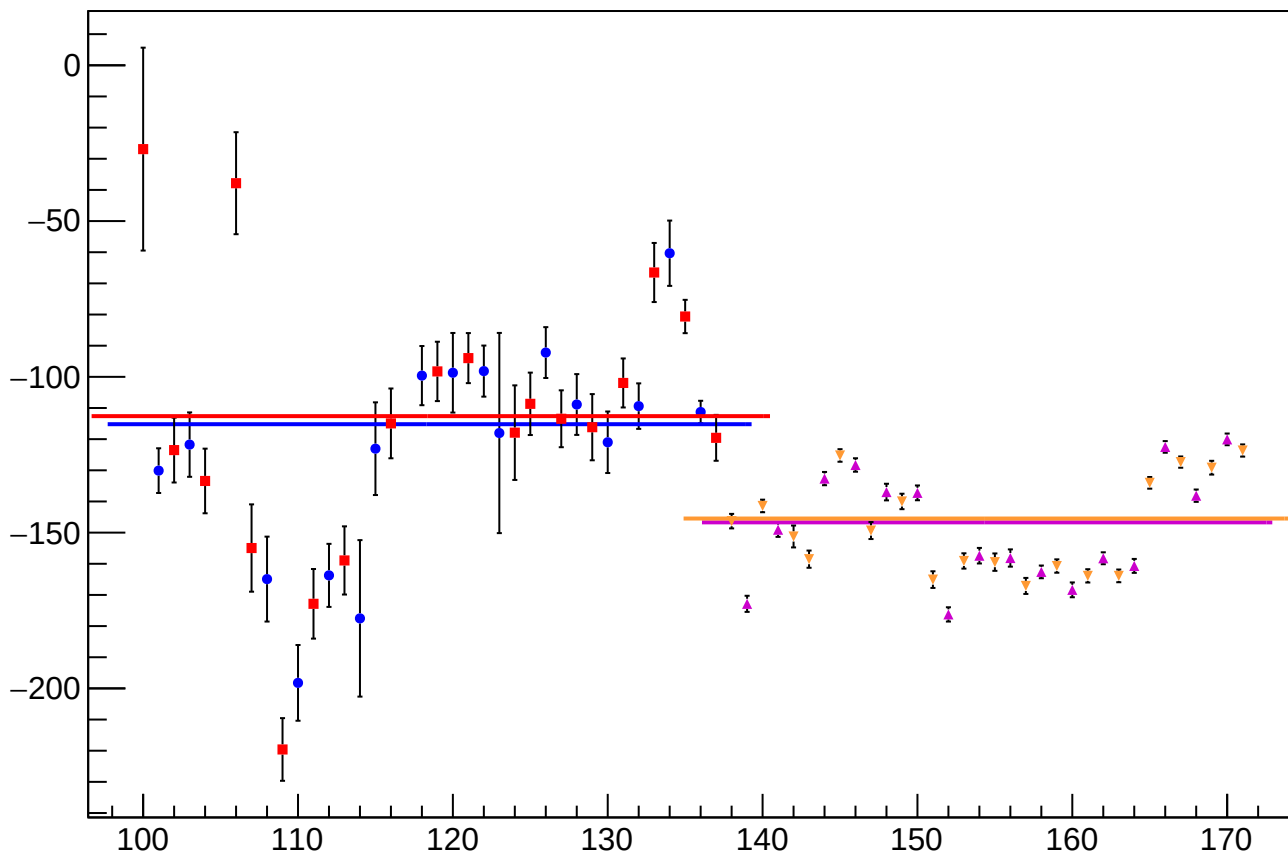
Left In: -30.043 ± 0.412 χ^2/NDF : 1145.4/15

+ sign -30.173 ± 0.371 χ^2/NDF : 1624.2/34

All: -30.730 ± 0.269 χ^2/NDF : 4216.2/69

- sign -31.347 ± 0.390 χ^2/NDF : 2587.3/34

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -145.476 ± 0.534 $\chi^2/\text{NDF}: 839.1/17$

Right Out: -112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

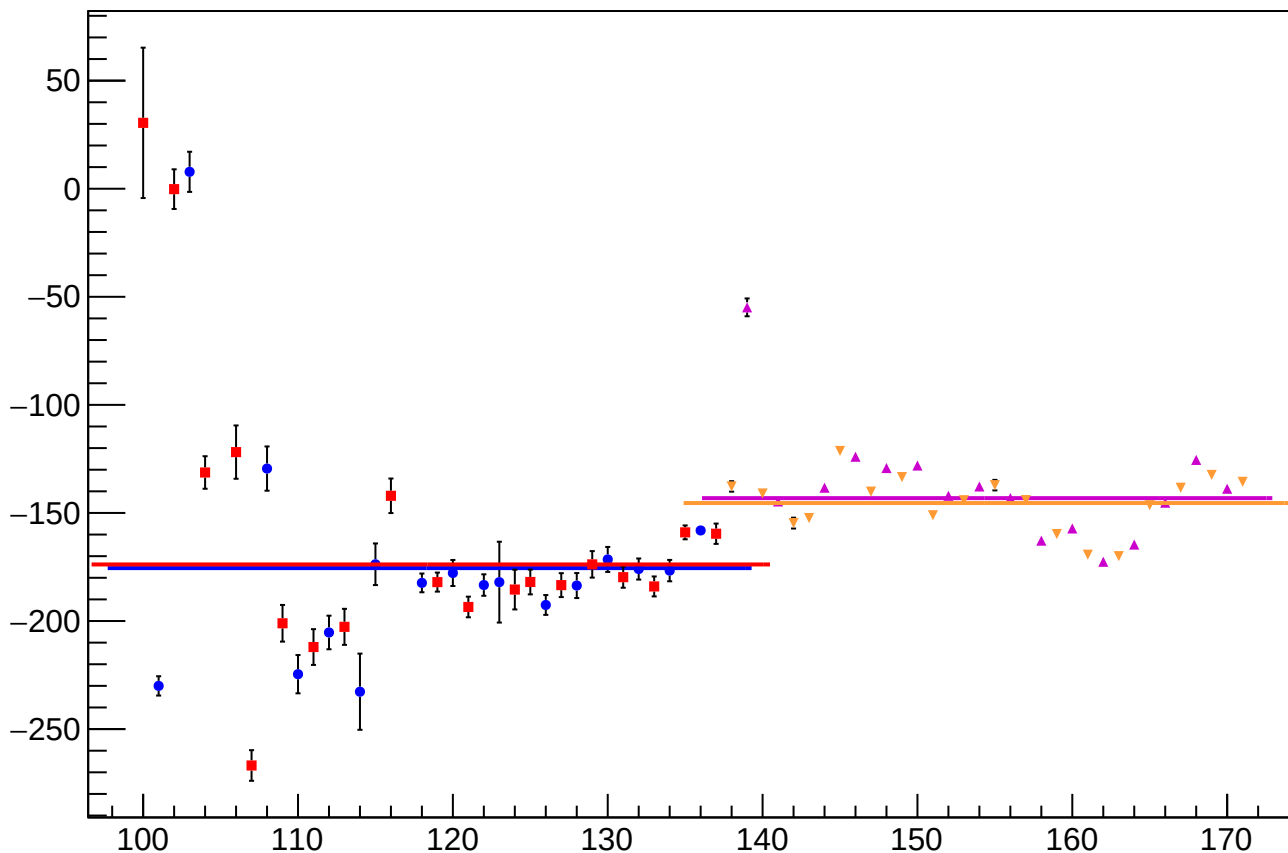
Left In: -146.706 ± 0.552 $\chi^2/\text{NDF}: 1055.9/15$

+ sign -143.603 ± 0.518 $\chi^2/\text{NDF}: 1178.4/34$

All: -144.134 ± 0.372 $\chi^2/\text{NDF}: 2733.1/69$

- sign -144.703 ± 0.535 $\chi^2/\text{NDF}: 1552.5/34$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 $\pm$ 1.277 χ^2/NDF : 692.3/16

Left Out: -145.420 $\pm$ 0.450 χ^2/NDF : 886.2/17

Right Out: -173.830 $\pm$ 1.357 χ^2/NDF : 737.9/18

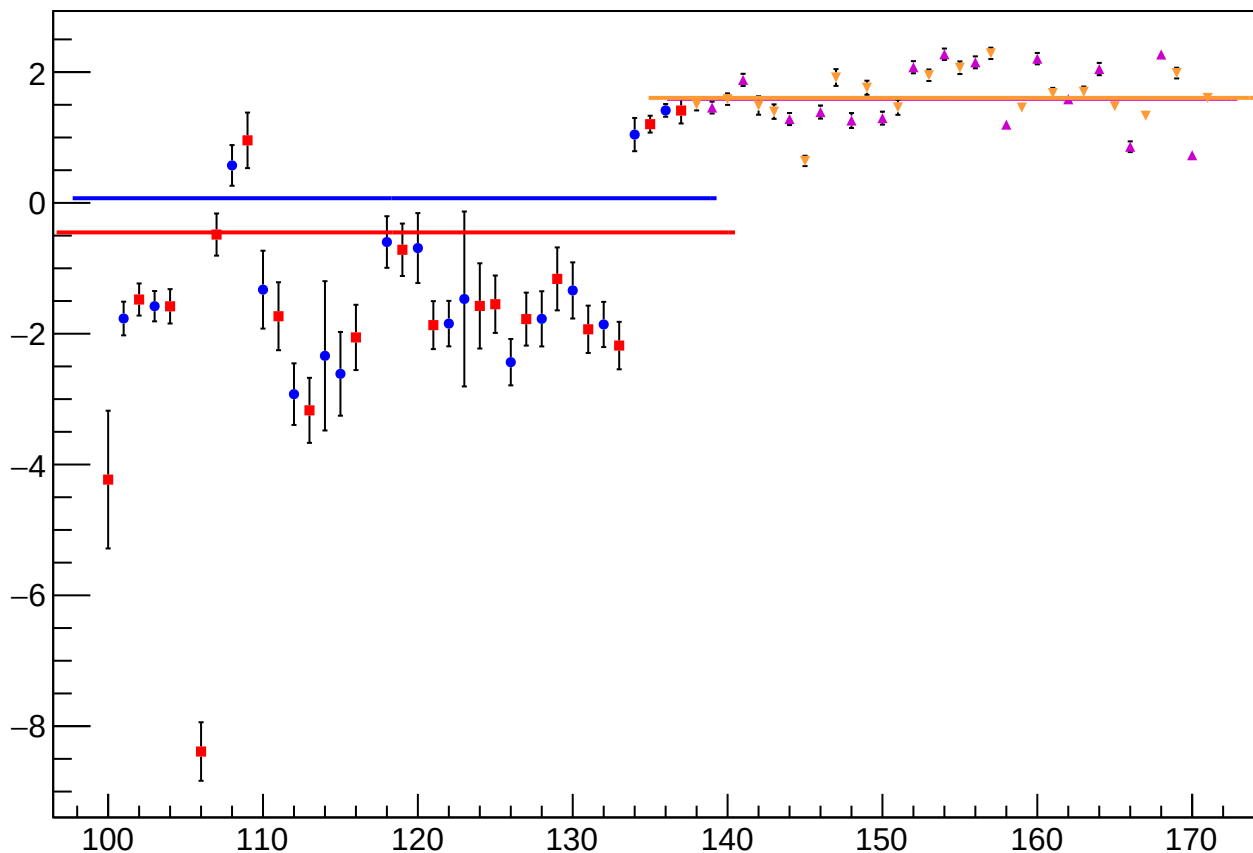
Left In: -143.149 $\pm$ 0.472 χ^2/NDF : 1434.8/15

+ sign -148.739 $\pm$ 0.424 χ^2/NDF : 2072.8/34

All: -147.657 $\pm$ 0.307 χ^2/NDF : 4715.5/69

- sign -146.462 $\pm$ 0.446 χ^2/NDF : 2629.0/34

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.606 ± 0.021 χ^2/NDF : 307.1/17

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

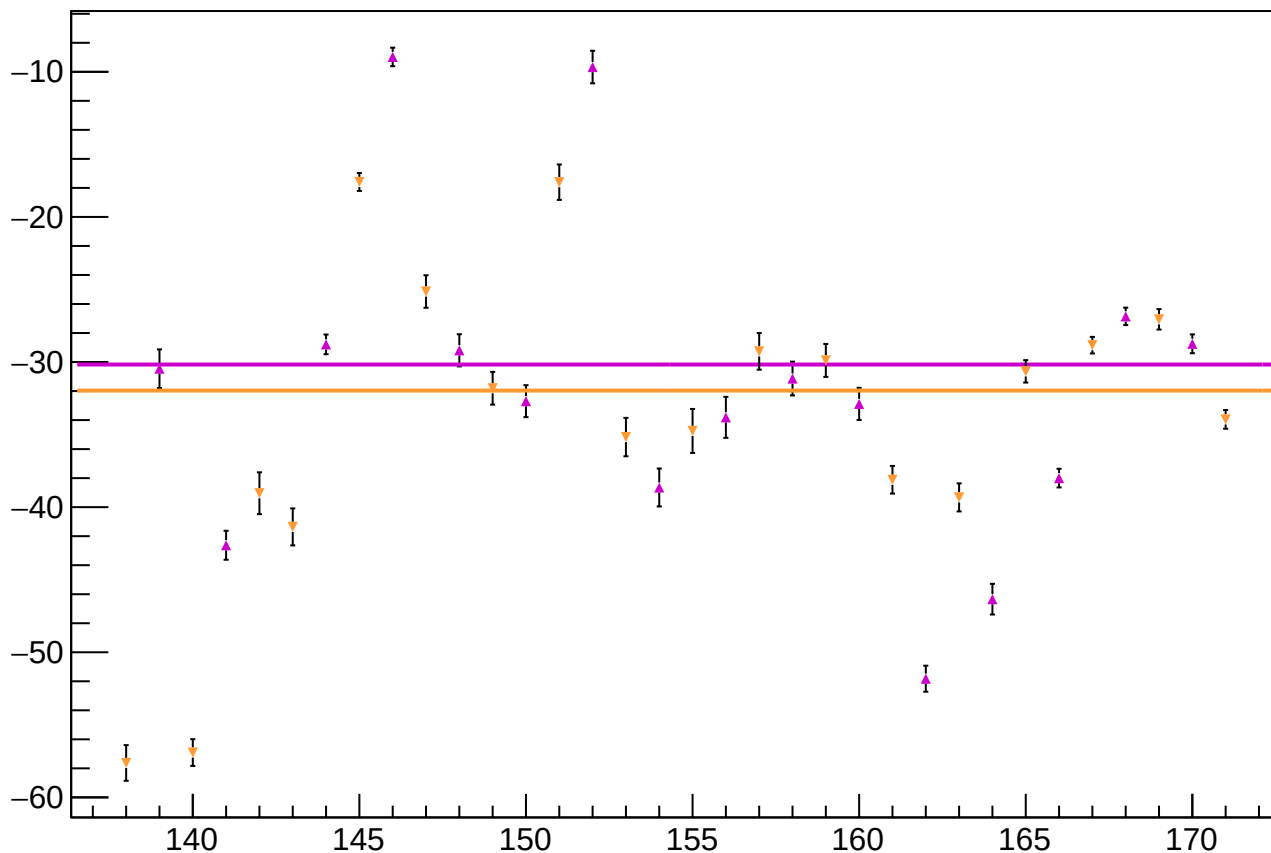
Left In: 1.592 ± 0.022 χ^2/NDF : 590.2/15

+ sign 1.472 ± 0.020 χ^2/NDF : 1308.7/34

All: 1.447 ± 0.014 χ^2/NDF : 3404.8/69

- sign 1.420 ± 0.021 χ^2/NDF : 2092.9/34

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -31.966+/-0.215 χ^2/NDF : 2171.0/17

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

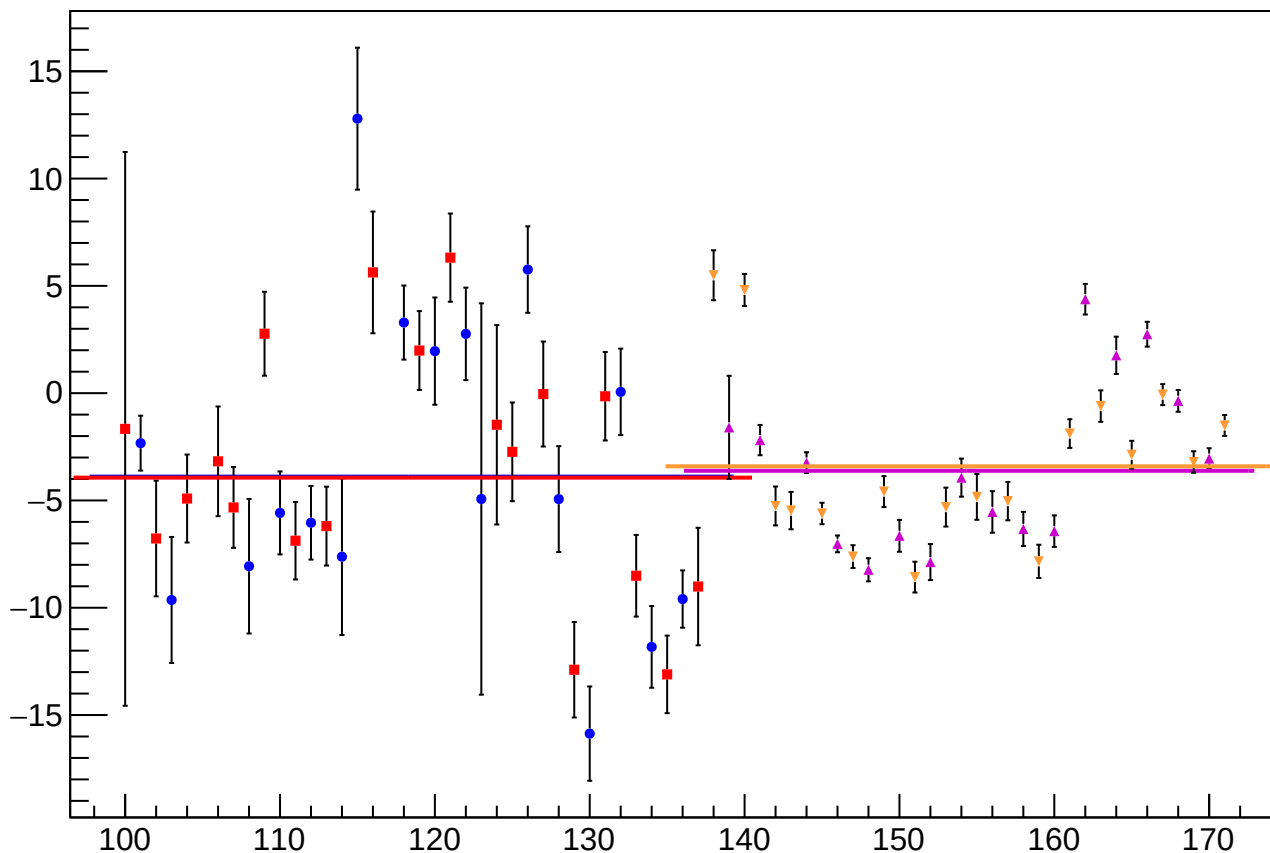
Left In: -30.170+/-0.218 χ^2/NDF : 2656.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.081+/-0.153 χ^2/NDF : 4861.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -3.409 ± 0.157 $\chi^2/\text{NDF}: 451.5/17$

Right Out: -3.937 ± 0.507 $\chi^2/\text{NDF}: 122.2/18$

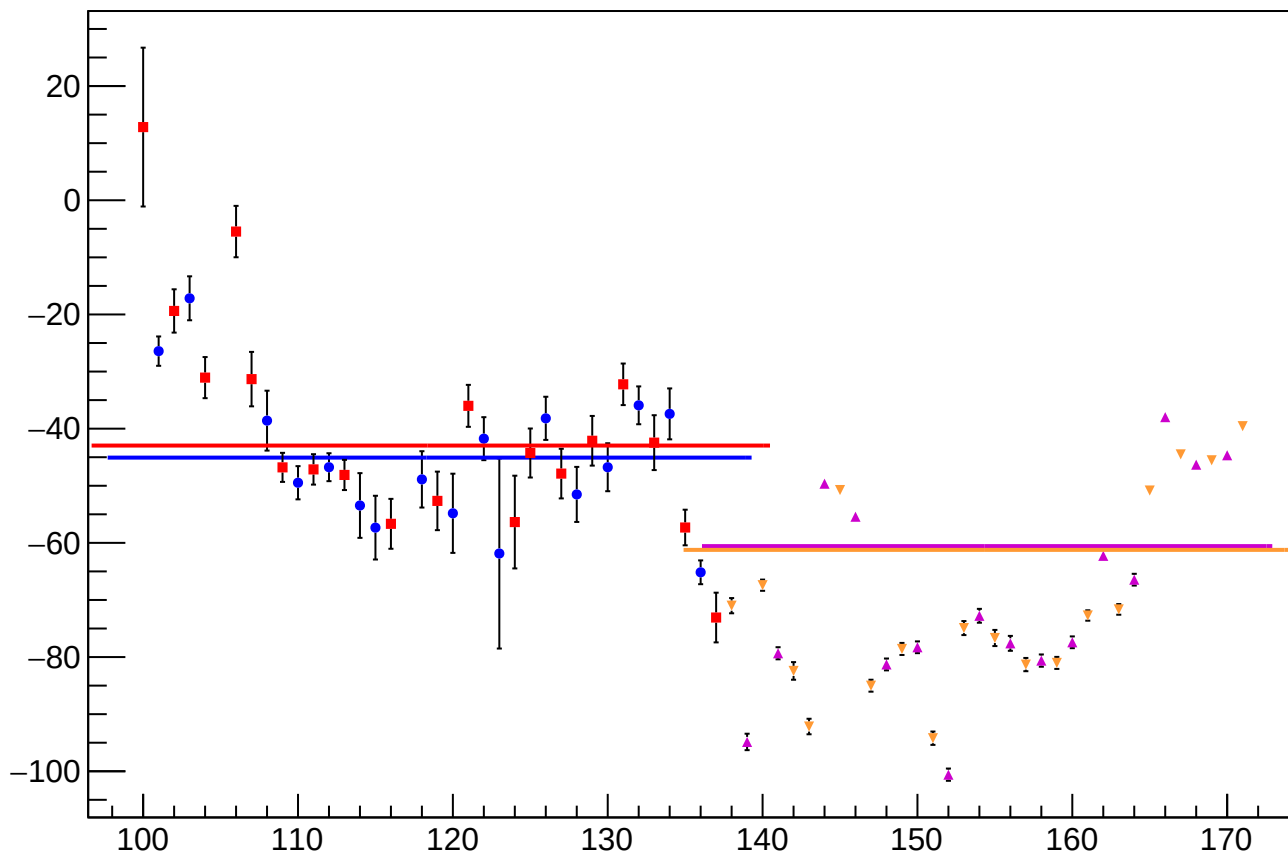
Left In: -3.617 ± 0.158 $\chi^2/\text{NDF}: 554.8/15$

+ sign -3.452 ± 0.150 $\chi^2/\text{NDF}: 612.8/34$

All: -3.548 ± 0.106 $\chi^2/\text{NDF}: 1290.9/69$

- sign -3.645 ± 0.151 $\chi^2/\text{NDF}: 677.3/34$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -61.229 ± 0.215 χ^2/NDF : 6436.2/17

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

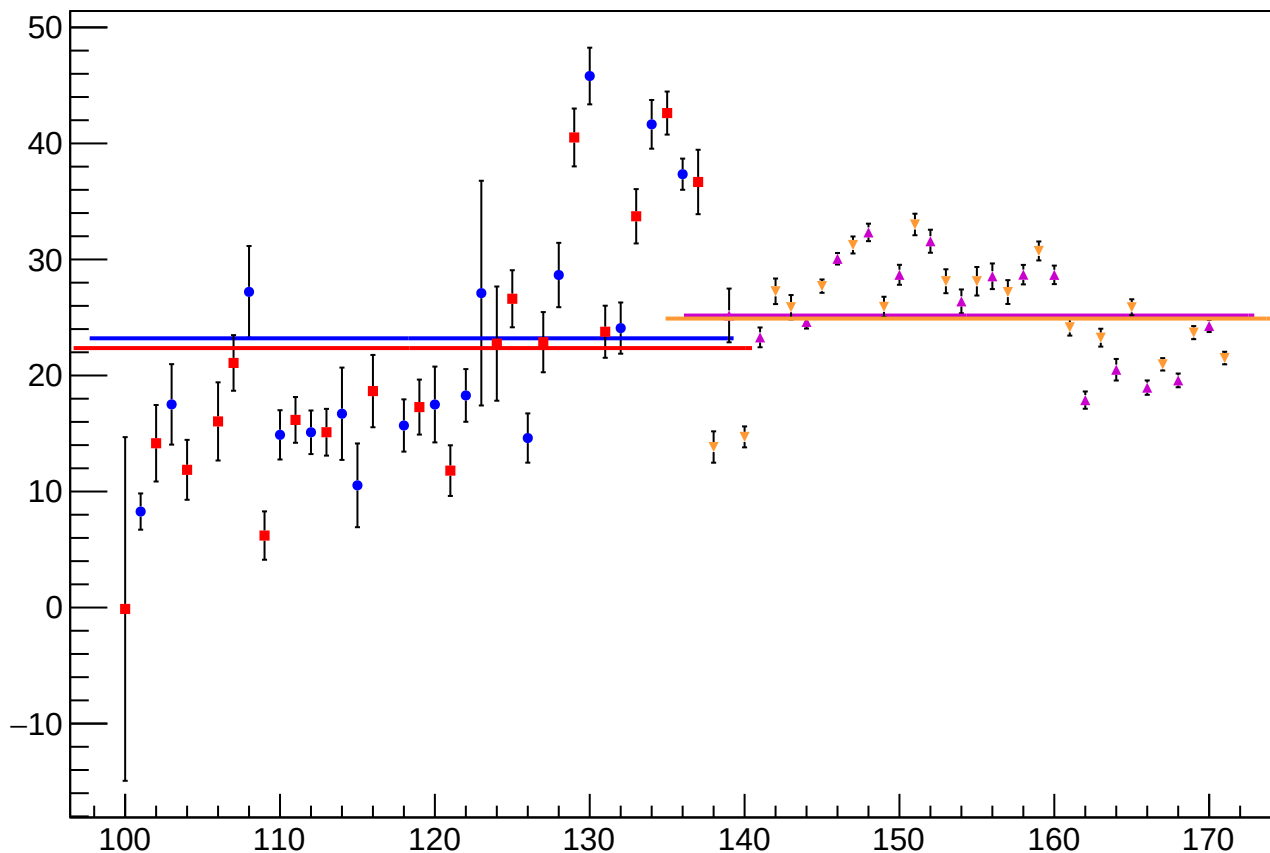
Left In: -60.568 ± 0.216 χ^2/NDF : 6522.8/15

+ sign -60.324 ± 0.209 χ^2/NDF : 6981.8/34

All: -59.944 ± 0.148 χ^2/NDF : 14138.9/69

- sign -59.561 ± 0.210 χ^2/NDF : 7150.4/34

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 24.905 $\pm$ 0.181 χ^2 /NDF: 554.8/17

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

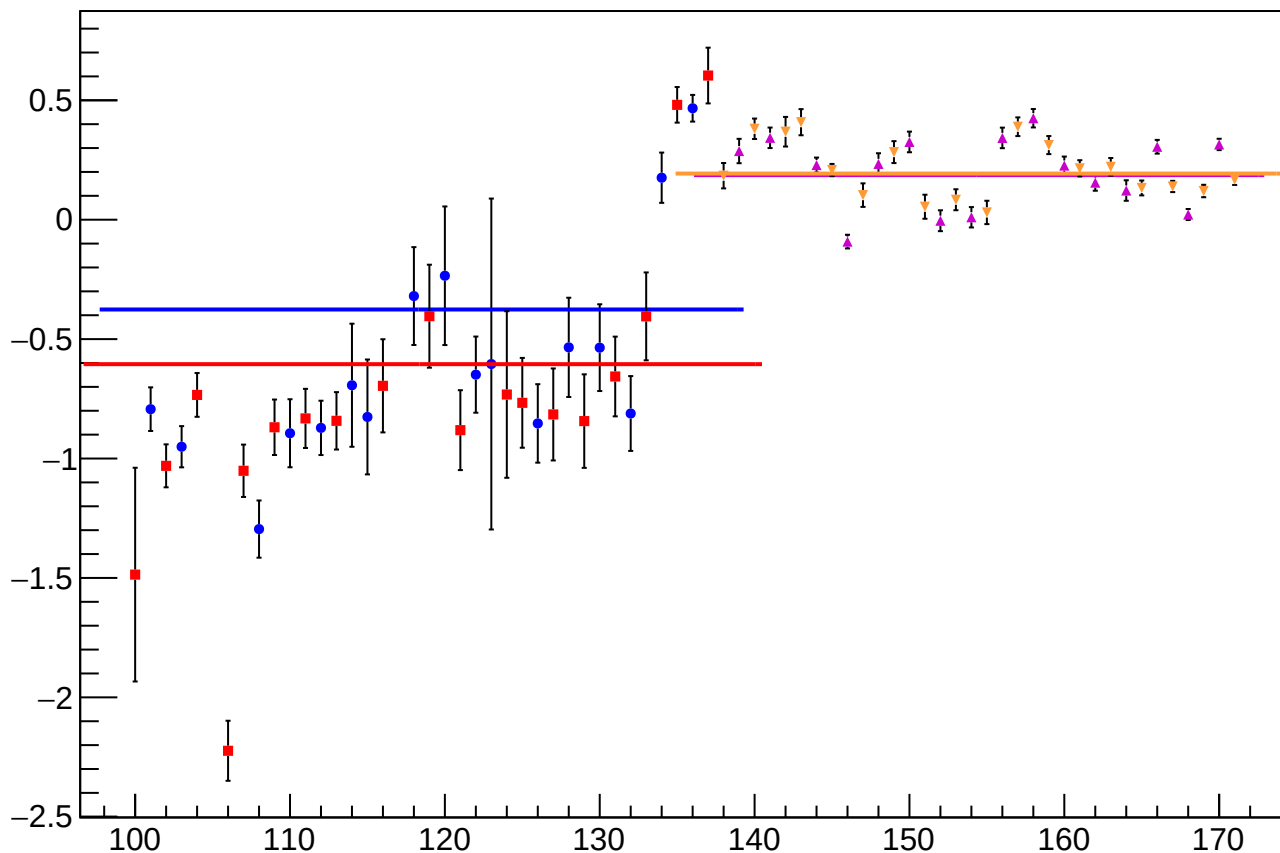
Left In: 25.166 $\pm$ 0.184 χ^2 /NDF: 613.6/15

+ sign 24.744 $\pm$ 0.172 χ^2 /NDF: 1020.4/34

All: 24.822 $\pm$ 0.123 χ^2 /NDF: 2023.0/69

- sign 24.904 $\pm$ 0.175 χ^2 /NDF: 1002.2/34

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.193 ± 0.008 $\chi^2/\text{NDF}: 129.2/17$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

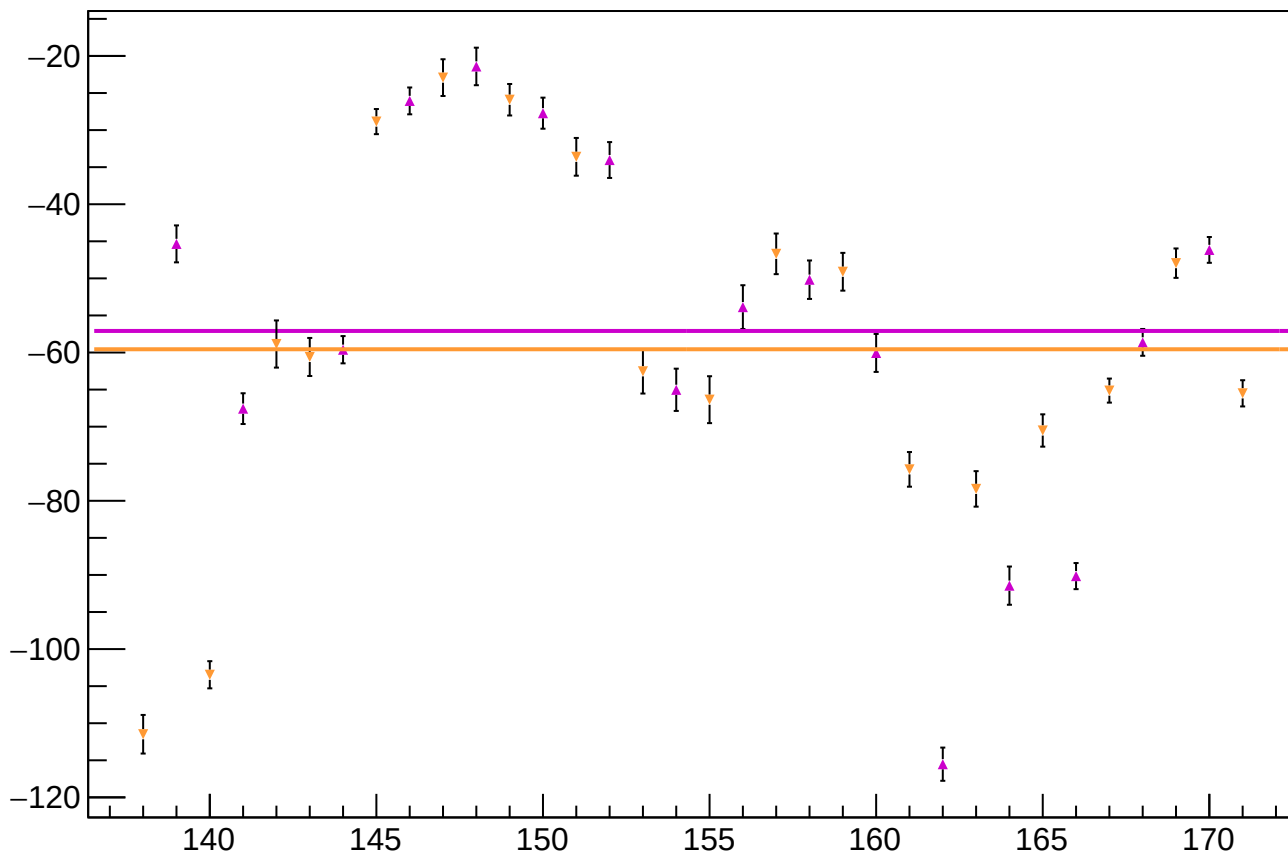
Left In: 0.187 ± 0.009 $\chi^2/\text{NDF}: 314.0/15$

+ sign 0.153 ± 0.008 $\chi^2/\text{NDF}: 898.2/34$

All: 0.140 ± 0.006 $\chi^2/\text{NDF}: 2402.5/69$

- sign 0.127 ± 0.008 $\chi^2/\text{NDF}: 1499.4/34$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -59.561 ± 0.527 χ^2/NDF : 2110.5/17

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

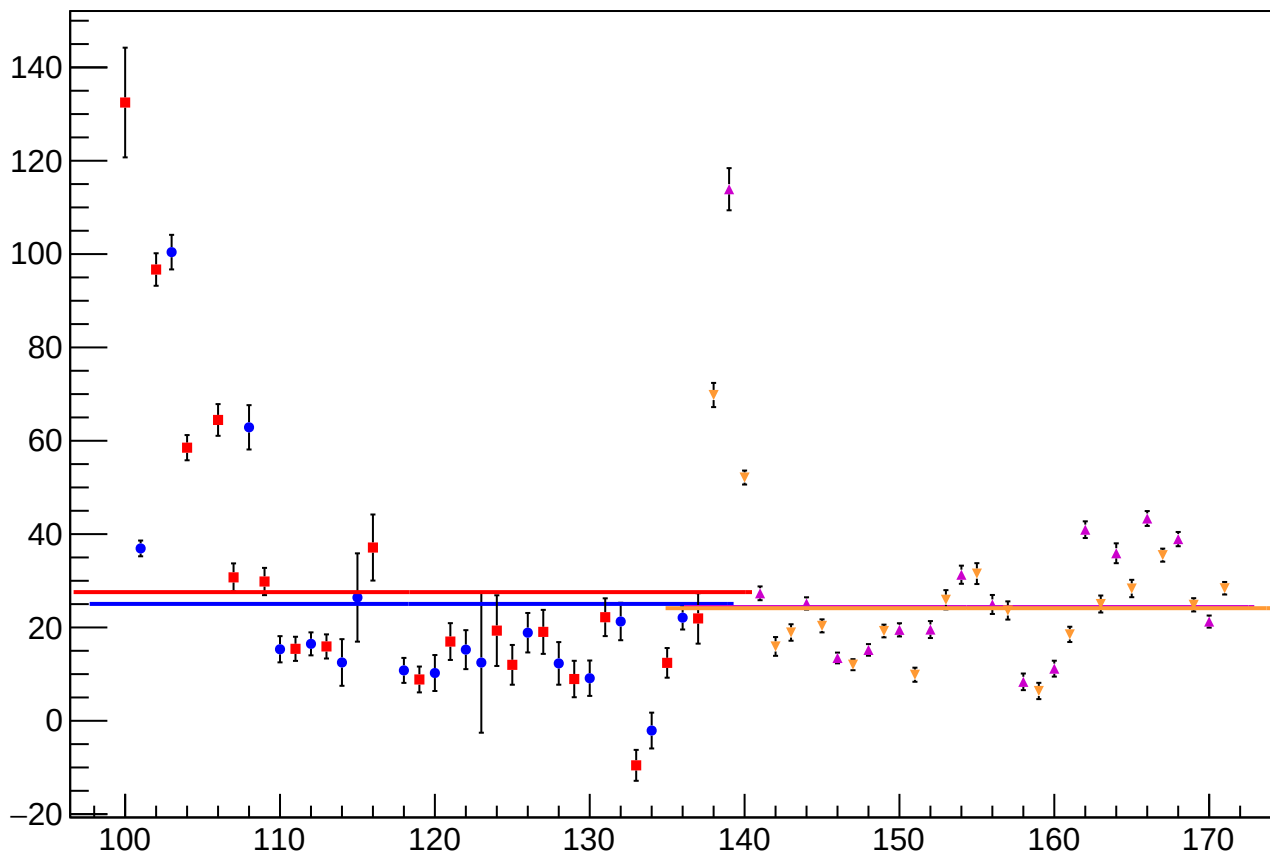
Left In: -57.091 ± 0.543 χ^2/NDF : 2097.6/15

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -58.362 ± 0.378 χ^2/NDF : 4218.7/33

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 24.129 $\pm$ 0.380 χ^2 /NDF:1106.7/17

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

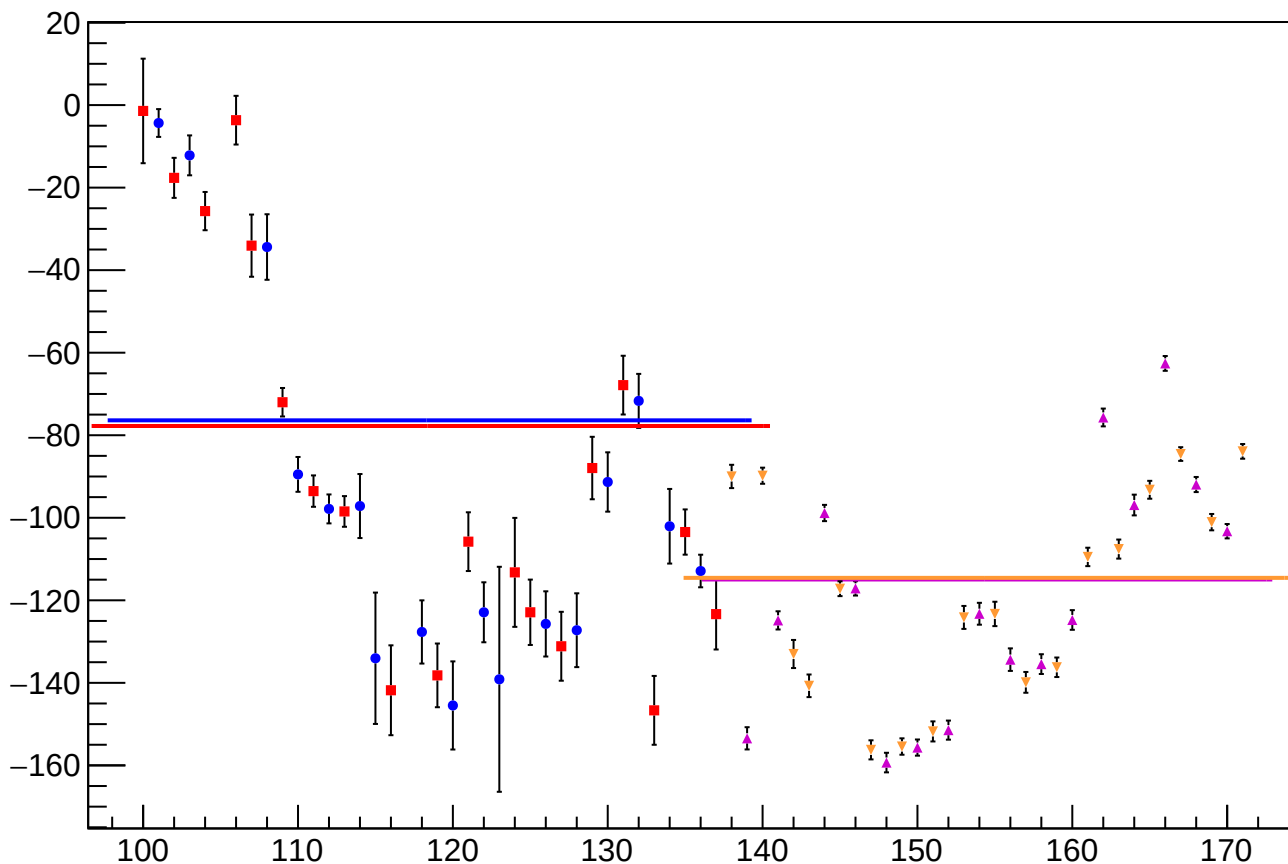
Left In: 24.377 $\pm$ 0.395 χ^2 /NDF:1067.6/15

+ sign 24.296 $\pm$ 0.344 χ^2 /NDF: 1794.1/34

All: 24.632 $\pm$ 0.247 χ^2 /NDF: 3889.1/69

- sign 24.991 $\pm$ 0.355 χ^2 /NDF: 2093.0/34

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -114.561 ± 0.524 $\chi^2/\text{NDF}: 2327.2/17$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

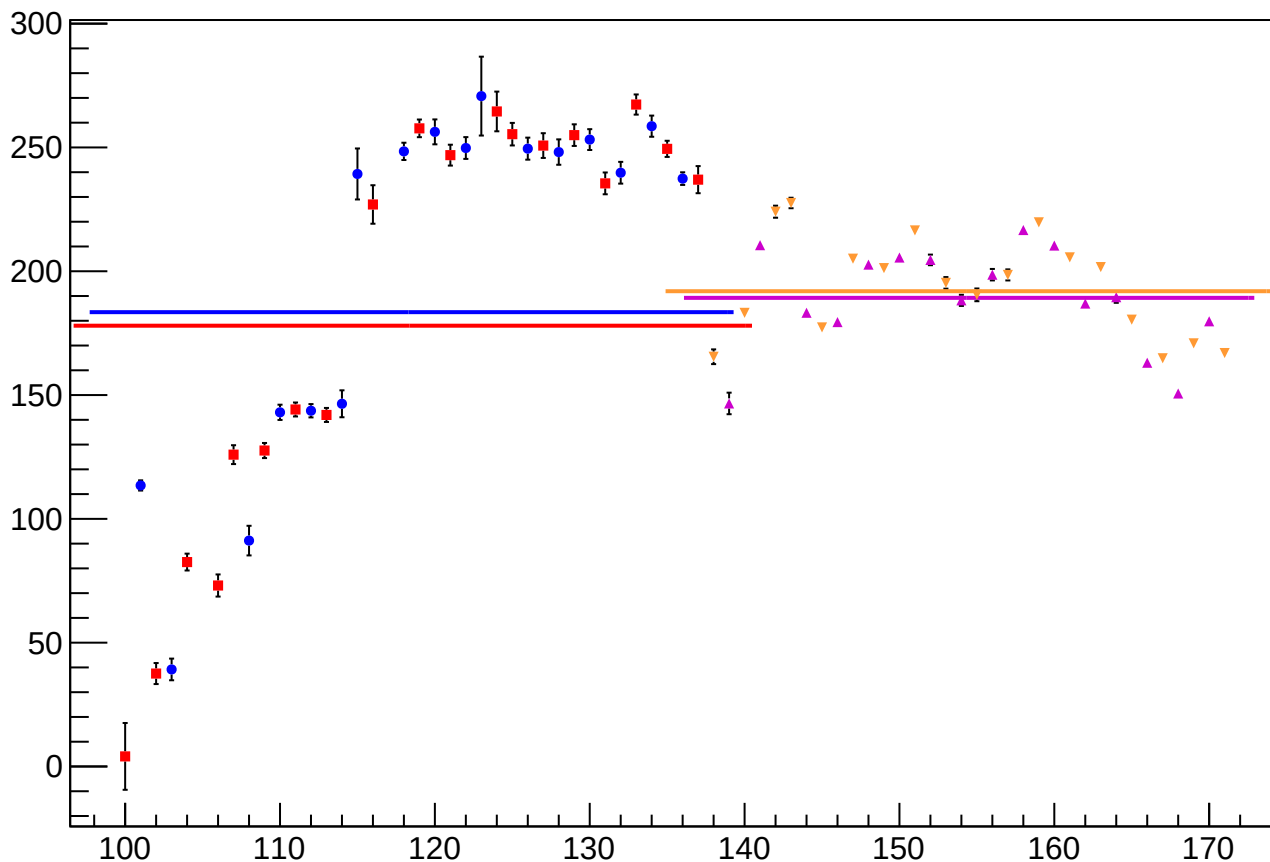
Left In: -114.957 ± 0.535 $\chi^2/\text{NDF}: 2910.7/15$

+ sign -109.965 ± 0.491 $\chi^2/\text{NDF}: 3998.0/34$

All: -109.946 ± 0.350 $\chi^2/\text{NDF}: 8435.2/69$

- sign -109.927 ± 0.497 $\chi^2/\text{NDF}: 4437.2/34$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 191.938 $\pm$ 0.440 χ^2 /NDF: 2030.0/17

Right Out: 178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

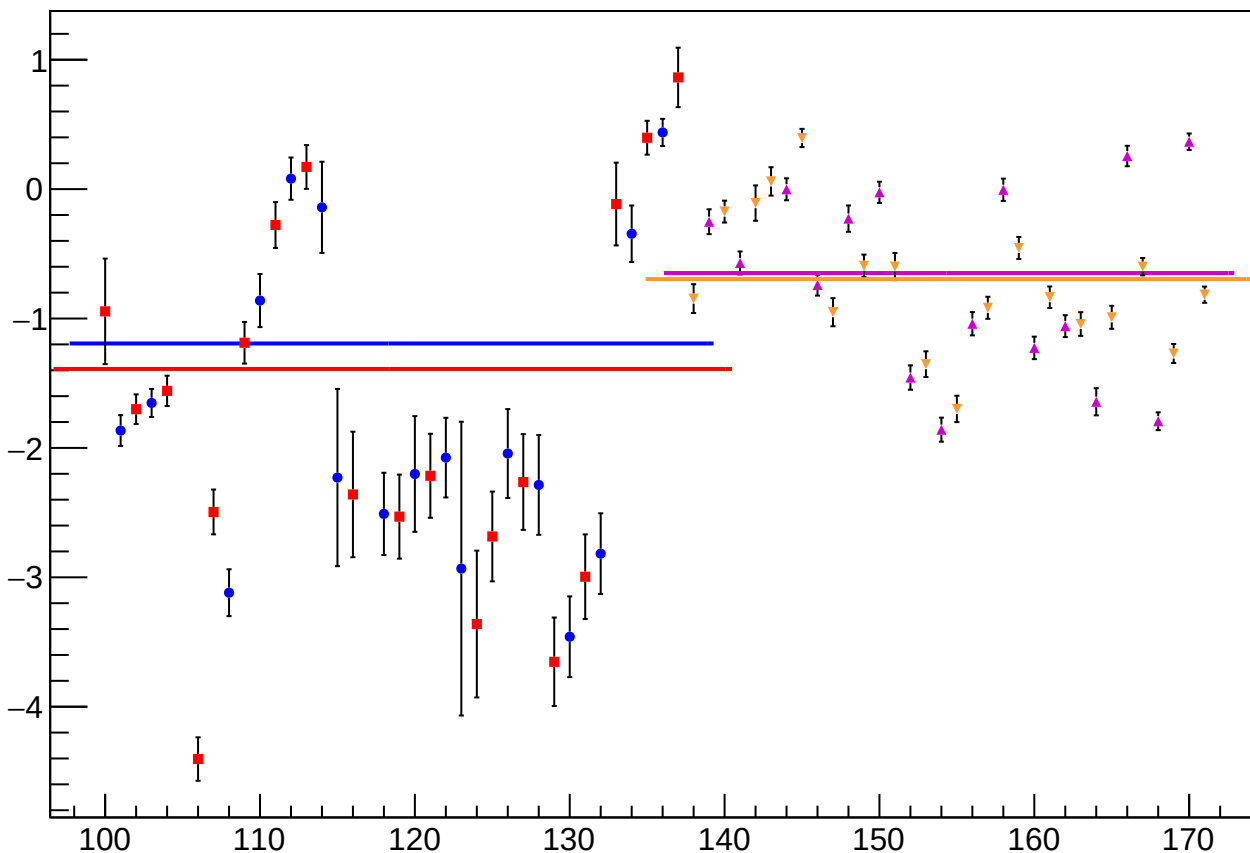
Left In: 189.254 $\pm$ 0.457 χ^2 /NDF: 1624.6/15

+ sign 190.360 $\pm$ 0.397 χ^2 /NDF: 7430.4/34

All: 188.756 $\pm$ 0.285 χ^2 /NDF: 15553.5/69

- sign 187.048 $\pm$ 0.409 χ^2 /NDF: 8089.3/34

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.695 ± 0.020 χ^2/NDF : 604.9/17

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

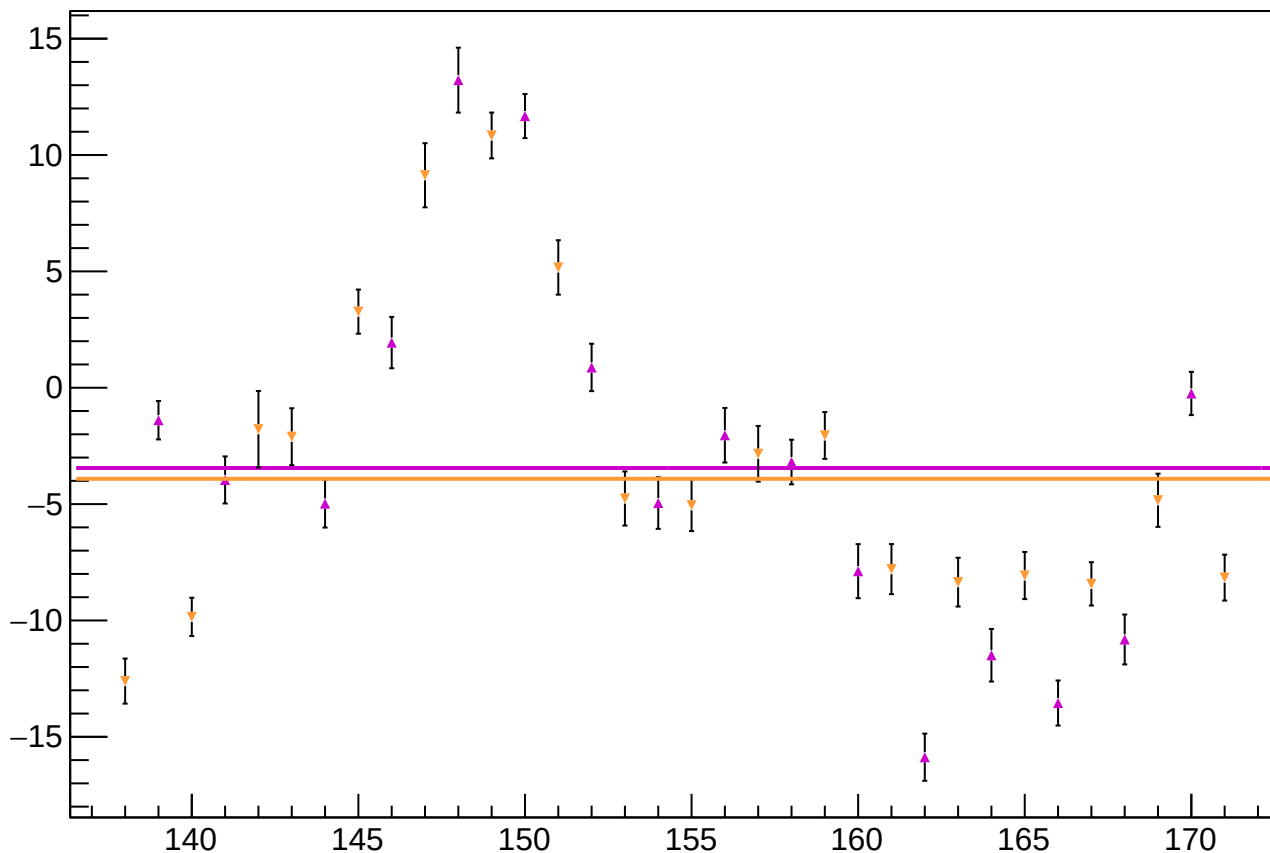
Left In: -0.649 ± 0.021 χ^2/NDF : 1290.5/15

+ sign -0.771 ± 0.019 χ^2/NDF : 1317.0/34

All: -0.775 ± 0.013 χ^2/NDF : 3743.7/69

- sign -0.779 ± 0.019 χ^2/NDF : 2426.6/34

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -3.912+/-0.251 χ^2/NDF : 664.9/17

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

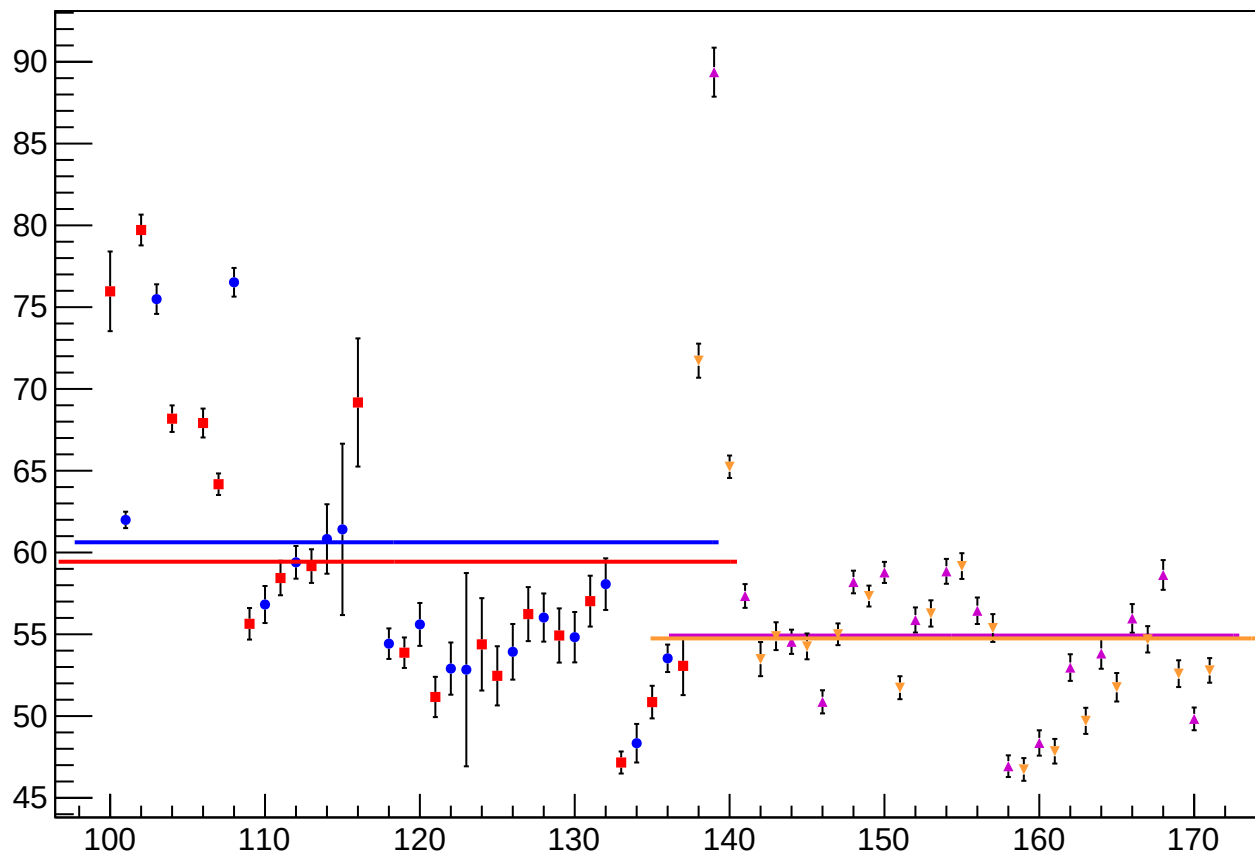
Left In: -3.449+/-0.258 χ^2/NDF : 835.1/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -3.687+/-0.180 χ^2/NDF : 1501.6/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 54.747 $\pm$ 0.183 χ^2 /NDF: 854.8/17

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18

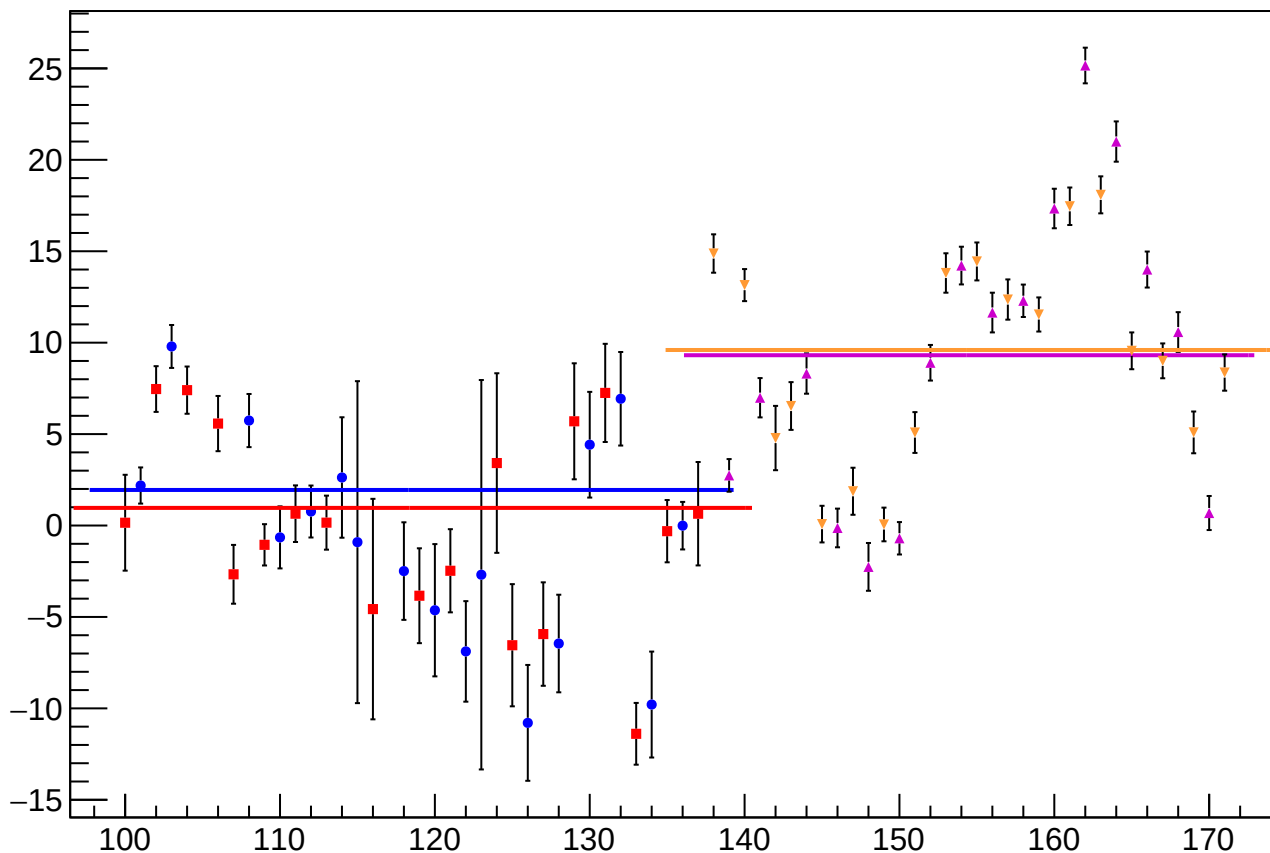
Left In: 54.922 $\pm$ 0.193 χ^2 /NDF: 958.4/15

+ sign 56.668 $\pm$ 0.150 χ^2 /NDF: 2115.6/34

All: 56.649 $\pm$ 0.107 χ^2 /NDF: 4603.9/69

- sign 56.630 $\pm$ 0.152 χ^2 /NDF: 2488.3/34

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 9.600 ± 0.248 χ^2/NDF : 499.1/17

Right Out: 0.964 ± 0.424 χ^2/NDF : 149.5/18

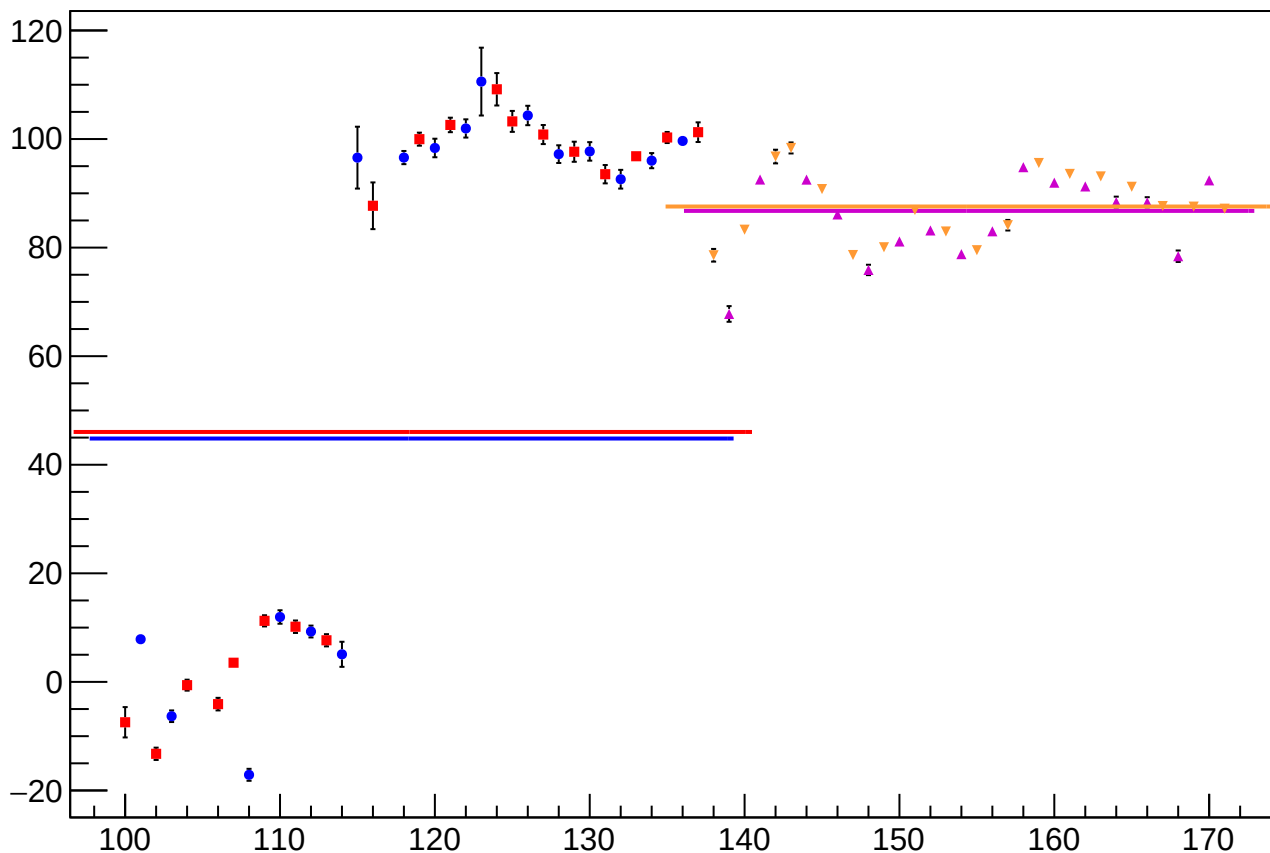
Left In: 9.313 ± 0.253 χ^2/NDF : 925.5/15

+ sign 7.869 ± 0.218 χ^2/NDF : 835.2/34

All: 7.493 ± 0.154 χ^2/NDF : 2201.5/69

- sign 7.119 ± 0.218 χ^2/NDF : 1360.4/34

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 $\pm$ 0.305 χ^2 /NDF: 24763.1/16

Left Out: 87.570 $\pm$ 0.210 χ^2 /NDF:811.6/17

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

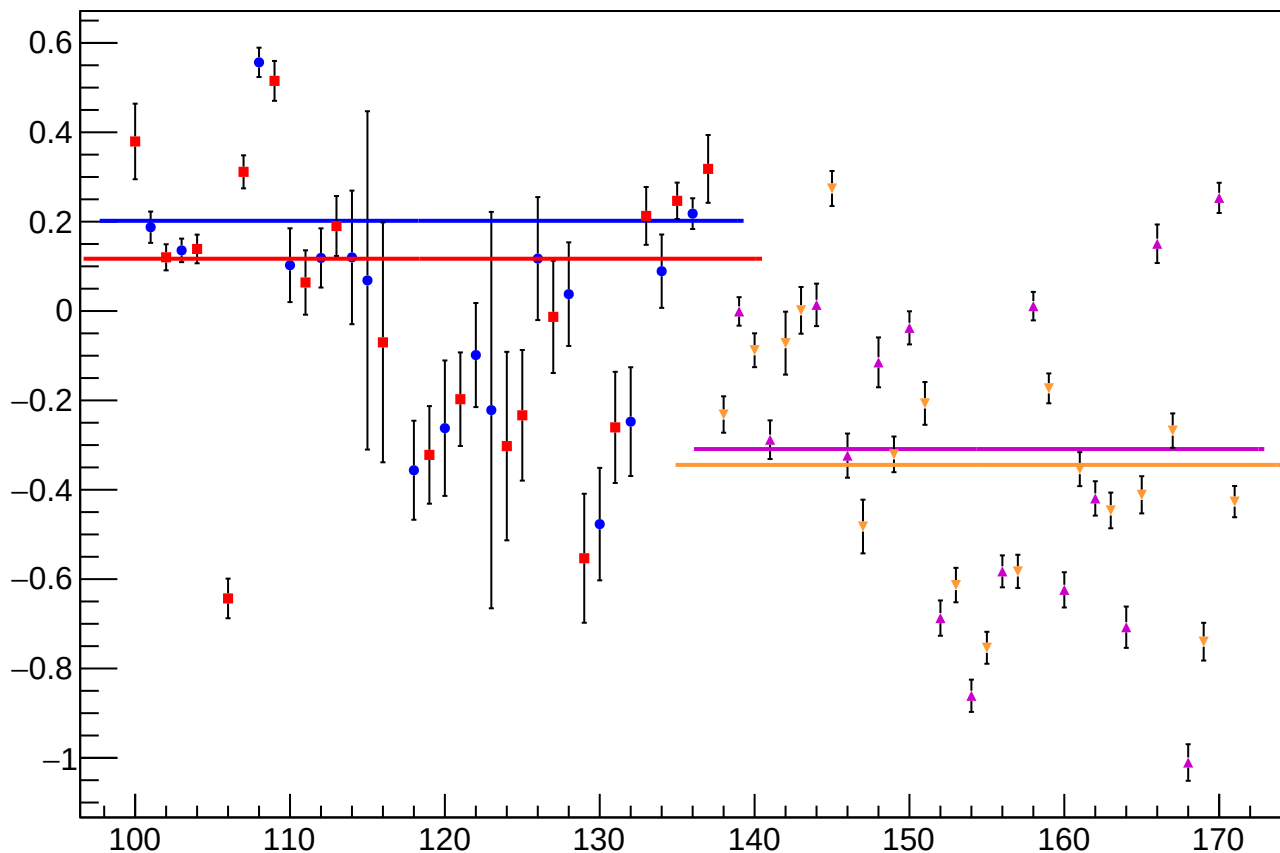
Left In: 86.762 $\pm$ 0.220 χ^2 /NDF:885.9/15

+ sign 73.786 $\pm$ 0.173 χ^2 /NDF: 38909.3/34

All: 72.833 $\pm$ 0.123 χ^2 /NDF: 80666.3/69

- sign 71.857 $\pm$ 0.175 χ^2 /NDF: 41695.6/34

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.344 ± 0.010 χ^2/NDF : 728.2/17

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

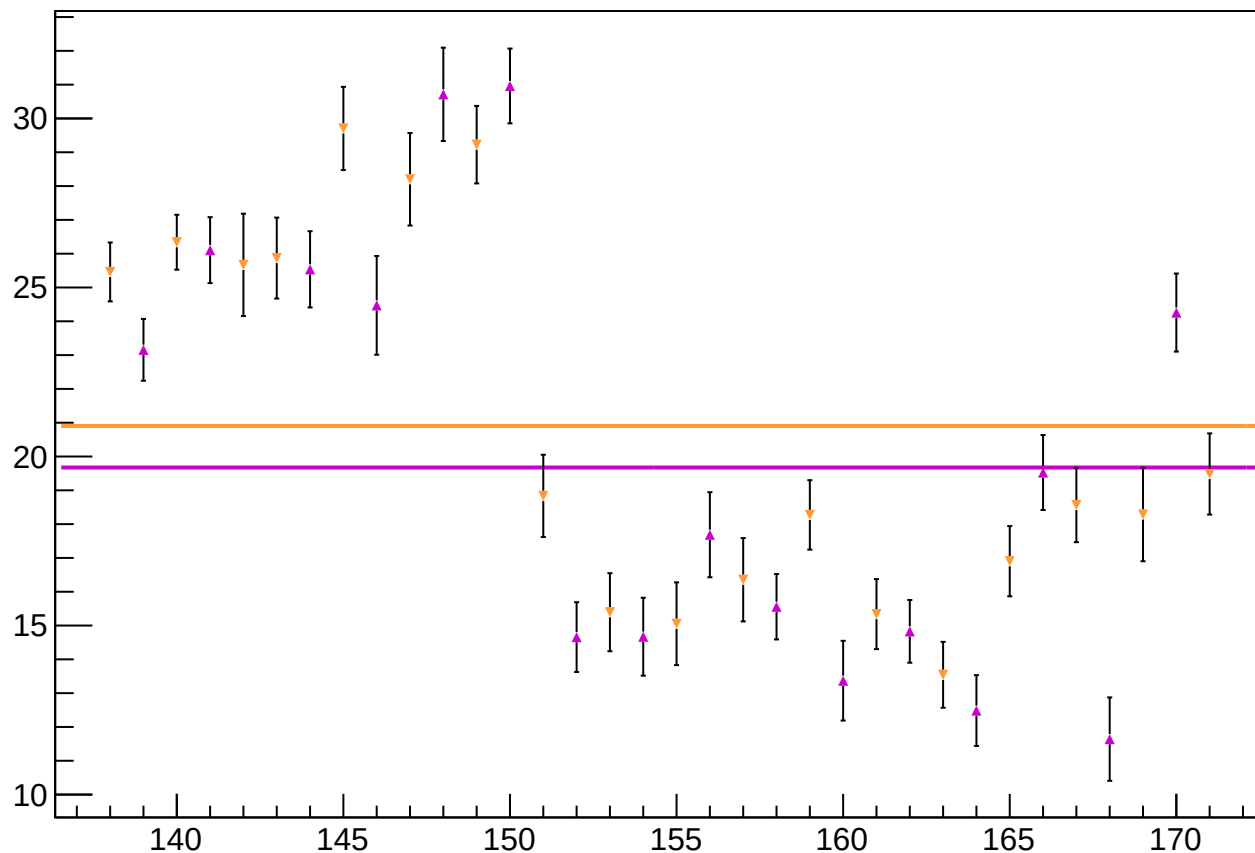
Left In: -0.309 ± 0.010 χ^2/NDF : 1520.9/15

+ sign -0.171 ± 0.008 χ^2/NDF : 1975.4/34

All: -0.163 ± 0.006 χ^2/NDF : 4680.0/69

- sign -0.155 ± 0.008 χ^2/NDF : 2702.5/34

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 20.902 $\pm$ 0.262 χ^2 /NDF:410.5/17

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

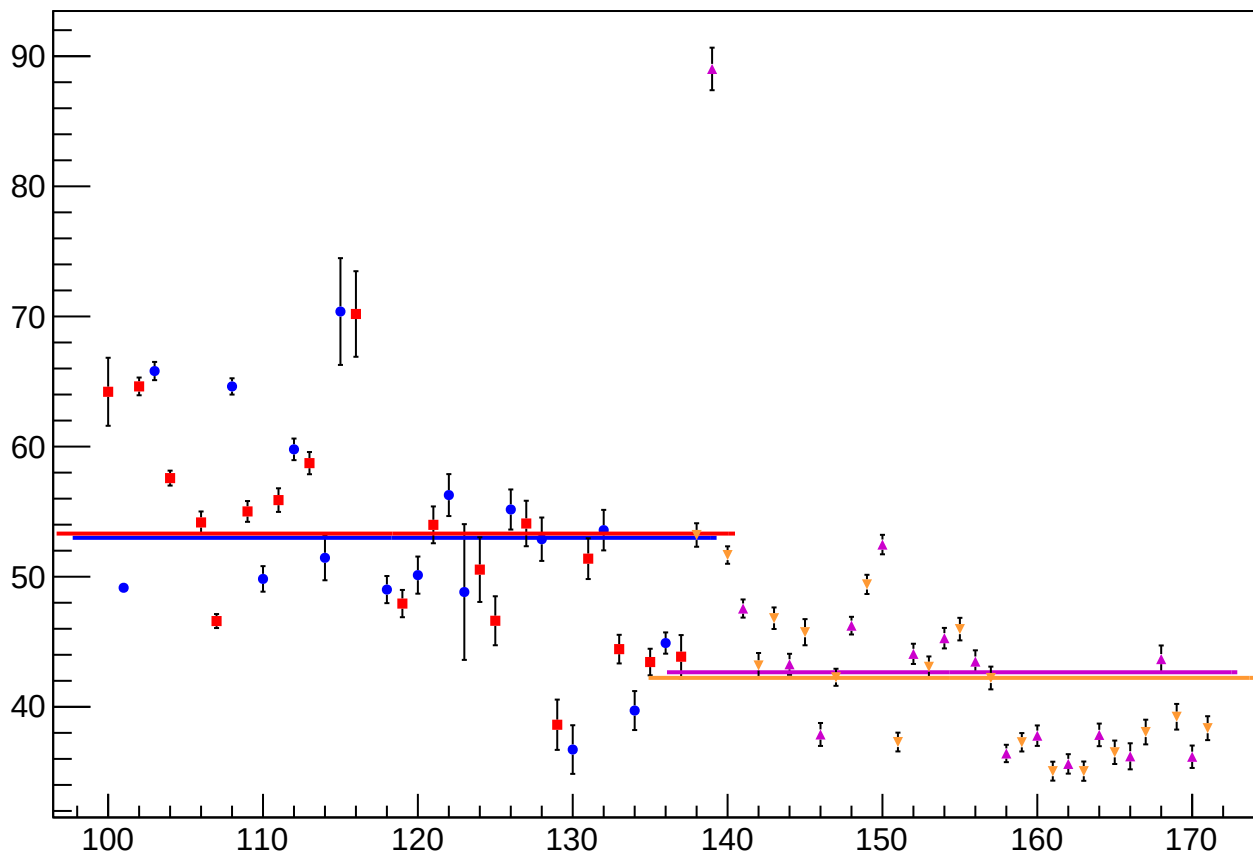
Left In: 19.675 $\pm$ 0.275 χ^2 /NDF:488.2/15

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

All: 20.318 $\pm$ 0.190 χ^2 /NDF: 909.1/33

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

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 42.227 $\pm$ 0.190 χ^2 /NDF: 877.5/17

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

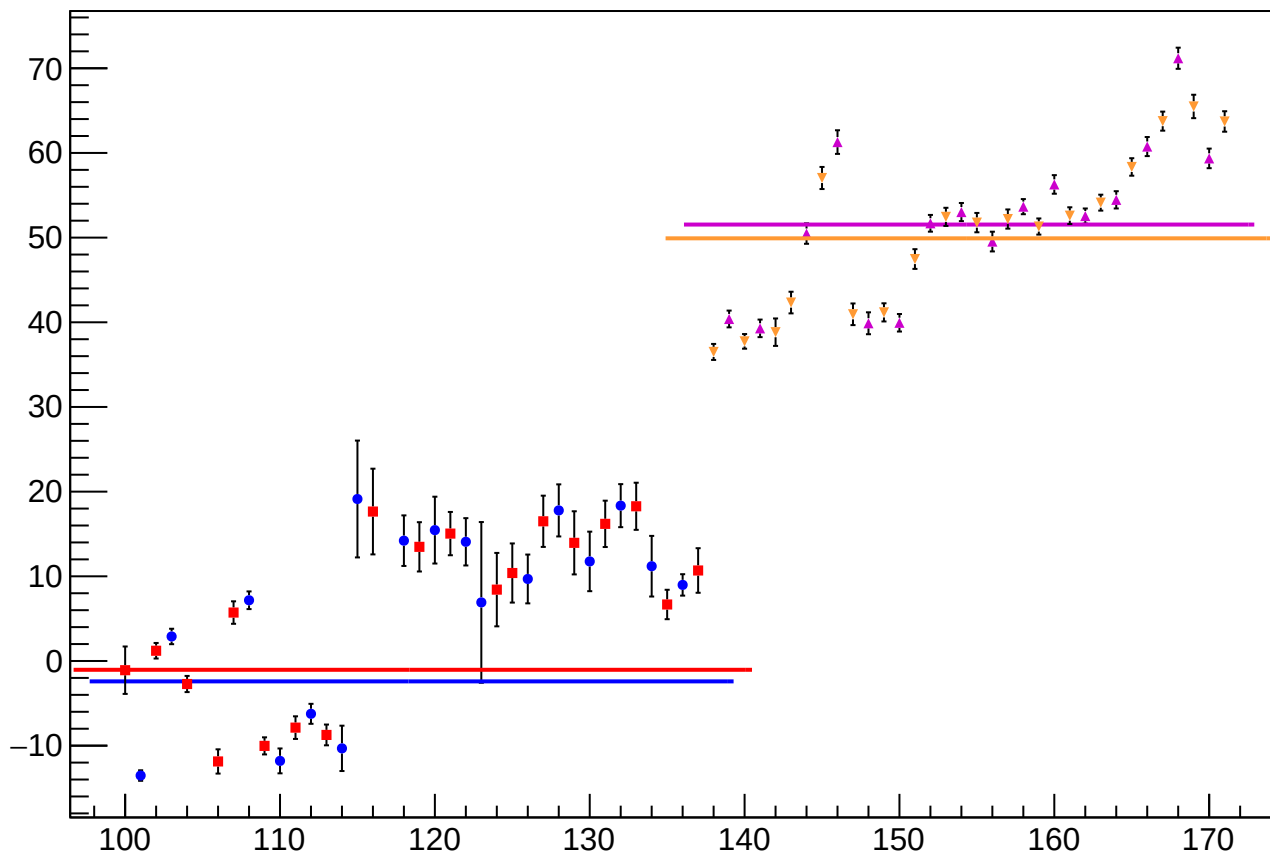
Left In: 42.658 $\pm$ 0.204 χ^2 /NDF: 1443.5/15

+ sign 47.062 $\pm$ 0.141 χ^2 /NDF: 3509.9/34

All: 47.230 $\pm$ 0.103 χ^2 /NDF: 7053.5/69

- sign 47.423 $\pm$ 0.152 χ^2 /NDF: 3540.5/34

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 49.915 ± 0.259 χ^2/NDF : 1148.6/17

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

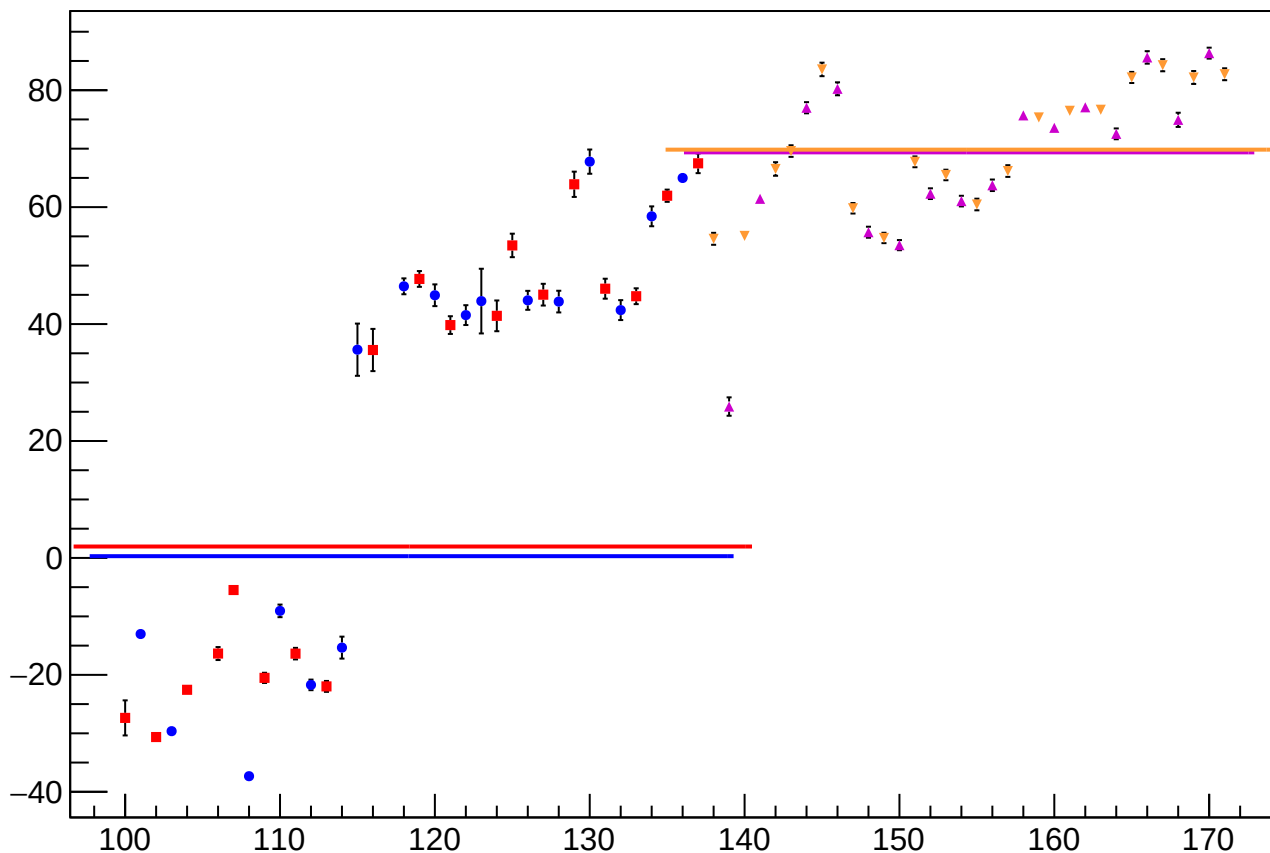
Left In: 51.542 ± 0.269 χ^2/NDF : 921.3/15

+ sign 32.313 ± 0.211 χ^2/NDF : 15671.3/34

All: 33.020 ± 0.152 χ^2/NDF : 30001.1/69

- sign 33.780 ± 0.219 χ^2/NDF : 14306.6/34

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 69.832 ± 0.219 χ^2/NDF : 2099.5/17

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

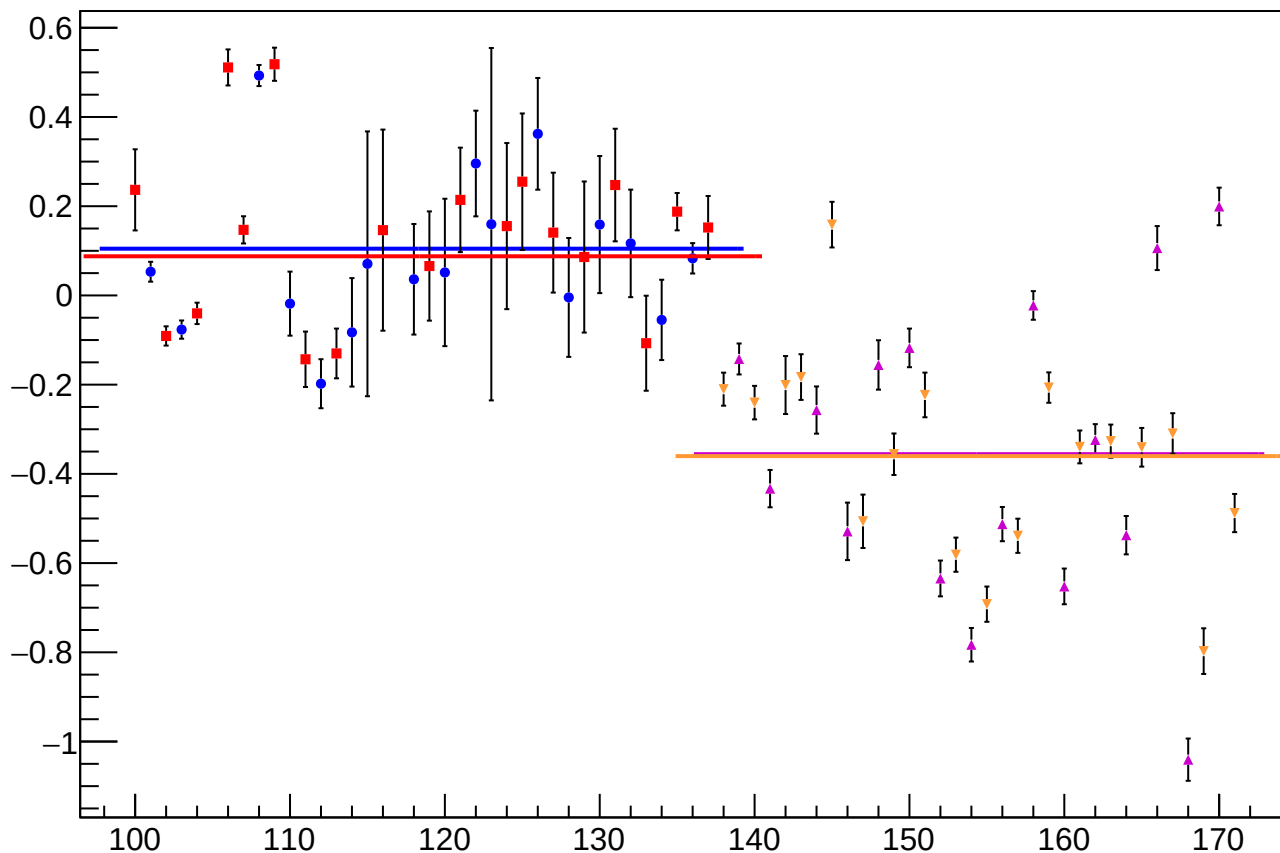
Left In: 69.368 ± 0.232 χ^2/NDF : 2530.5/15

+ sign 39.270 ± 0.164 χ^2/NDF : 64623.2/34

All: 39.744 ± 0.120 χ^2/NDF : 118972.9/69

- sign 40.285 ± 0.175 χ^2/NDF : 54331.8/34

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.360 ± 0.010 χ^2/NDF : 391.3/17

Right Out: 0.088 ± 0.011 χ^2/NDF : 390.9/18

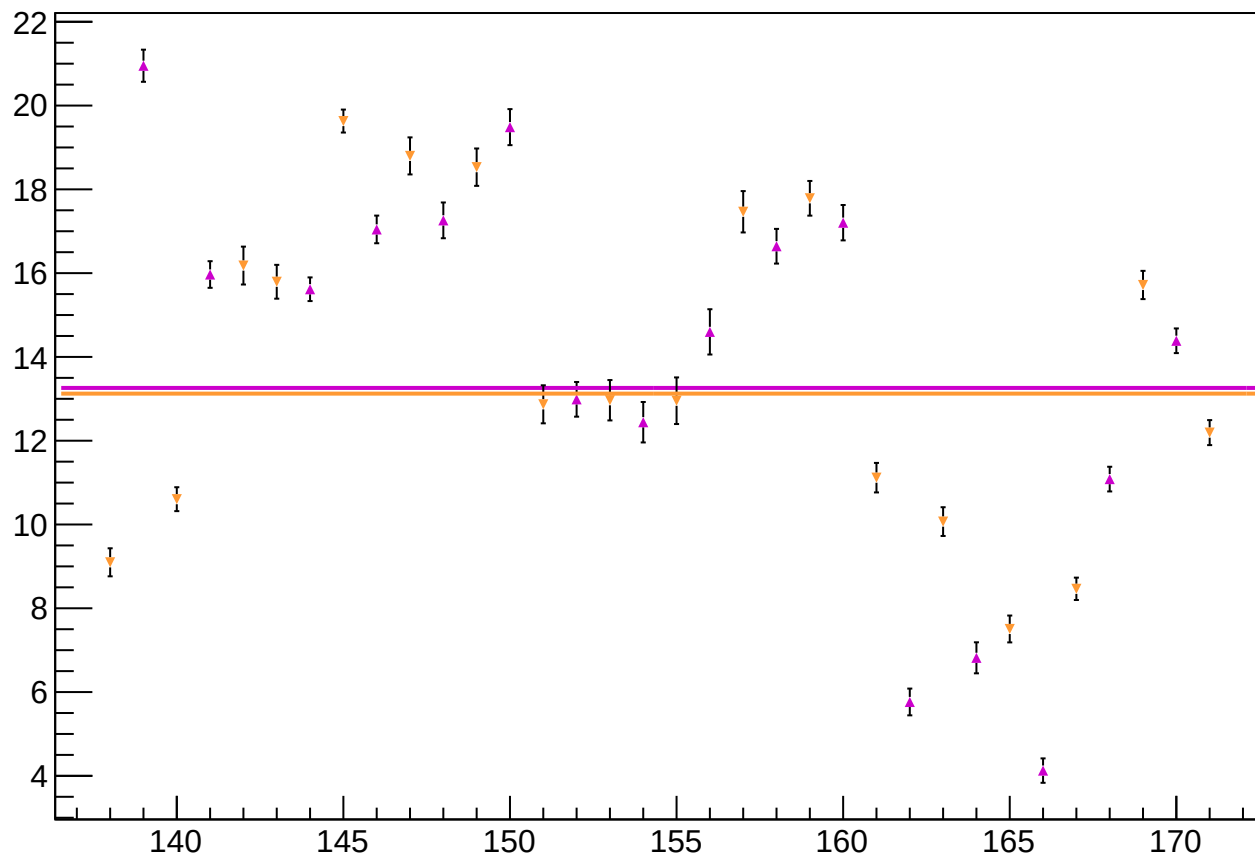
Left In: -0.356 ± 0.010 χ^2/NDF : 941.1/15

+ sign -0.149 ± 0.007 χ^2/NDF : 1759.7/34

All: -0.148 ± 0.005 χ^2/NDF : 3948.4/69

- sign -0.146 ± 0.008 χ^2/NDF : 2188.6/34

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 13.124+/-0.085 χ^2/NDF :2184.2/17

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

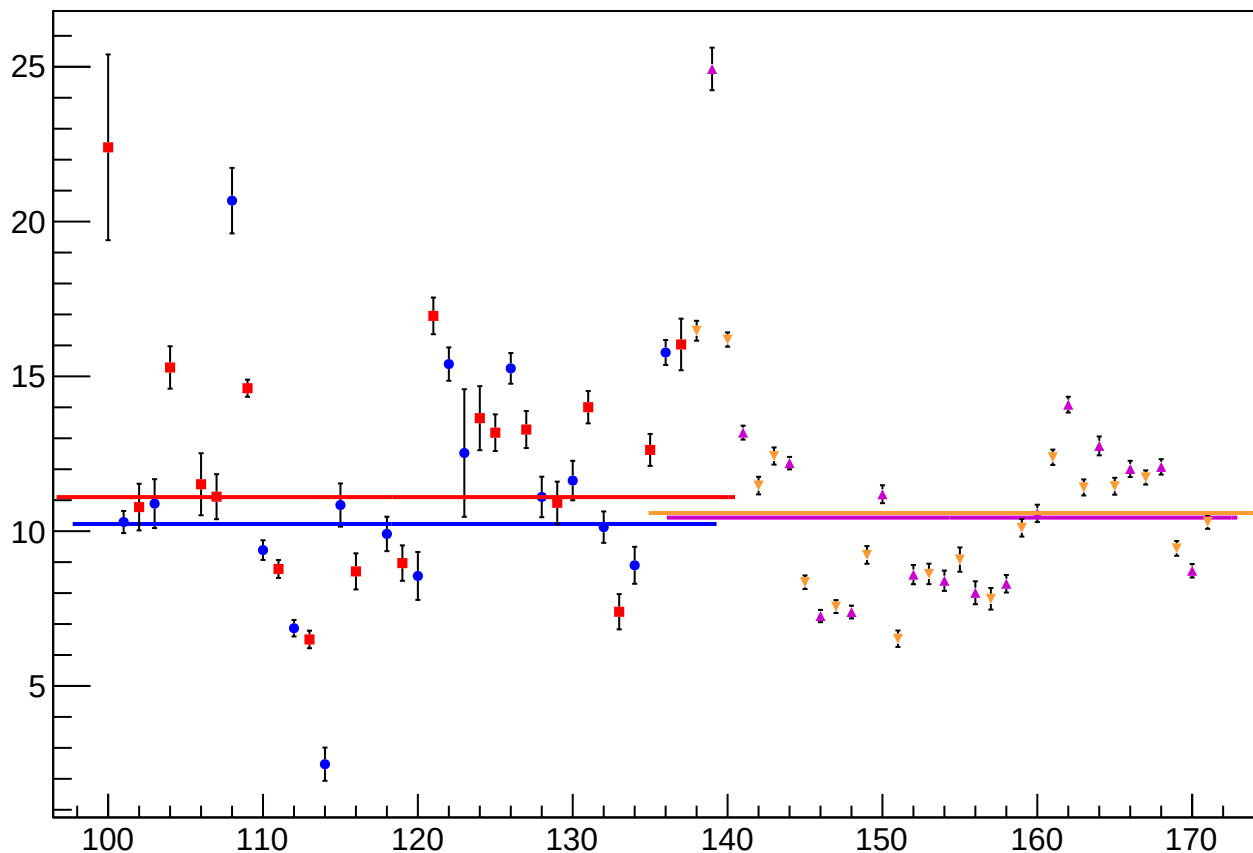
Left In: 13.260+/-0.089 χ^2/NDF :3042.2/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 13.189+/-0.061 χ^2/NDF : 5227.6/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 10.586 $\pm$ 0.062 χ^2 /NDF:1781.8/17

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

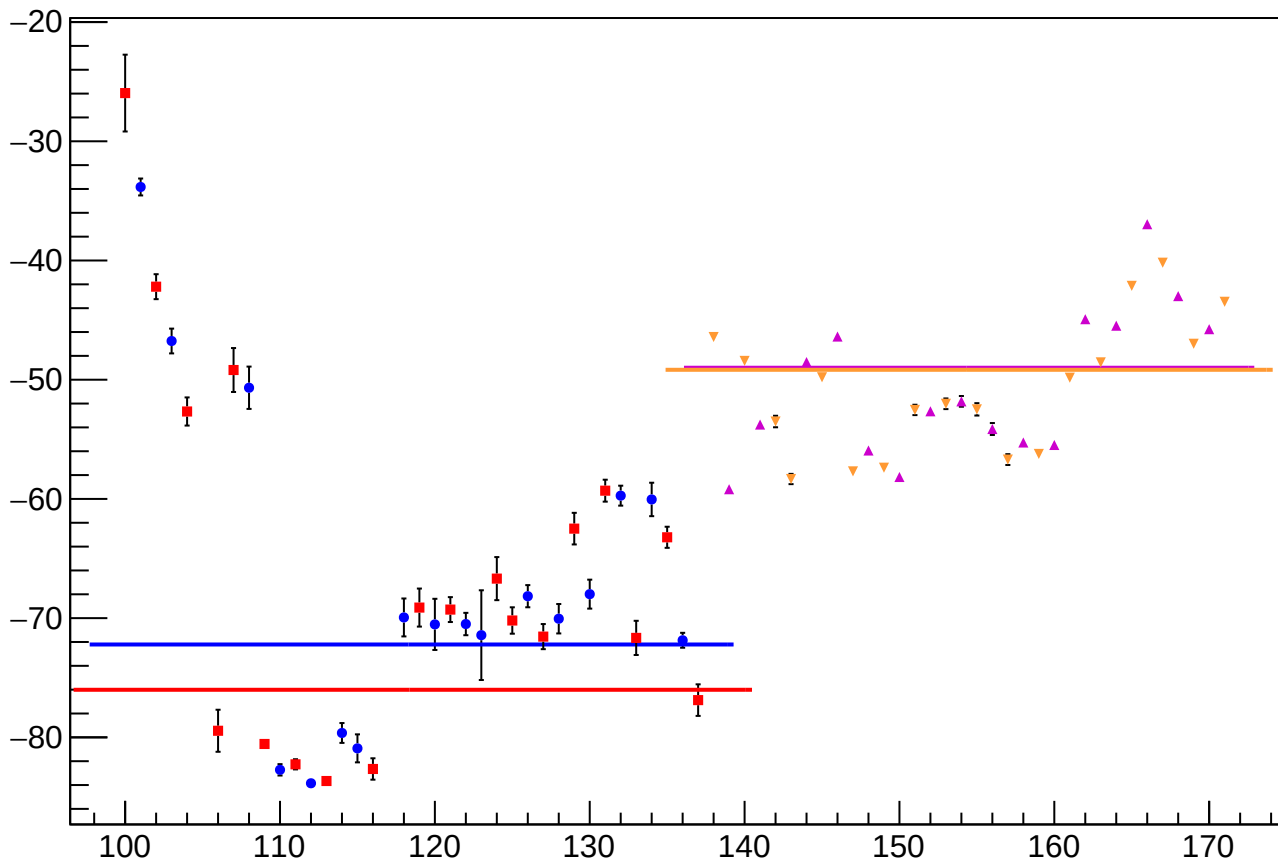
Left In: 10.437 $\pm$ 0.065 χ^2 /NDF:1723.9/15

+ sign 10.511 $\pm$ 0.055 χ^2 /NDF: 2665.4/34

All: 10.552 $\pm$ 0.039 χ^2 /NDF: 5233.0/69

- sign 10.595 $\pm$ 0.057 χ^2 /NDF: 2566.4/34

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 ± 0.198 χ^2/NDF : 5566.2/16

Left Out: -49.168 ± 0.085 χ^2/NDF : 4148.0/17

Right Out: -76.009 ± 0.181 χ^2/NDF : 3463.3/18

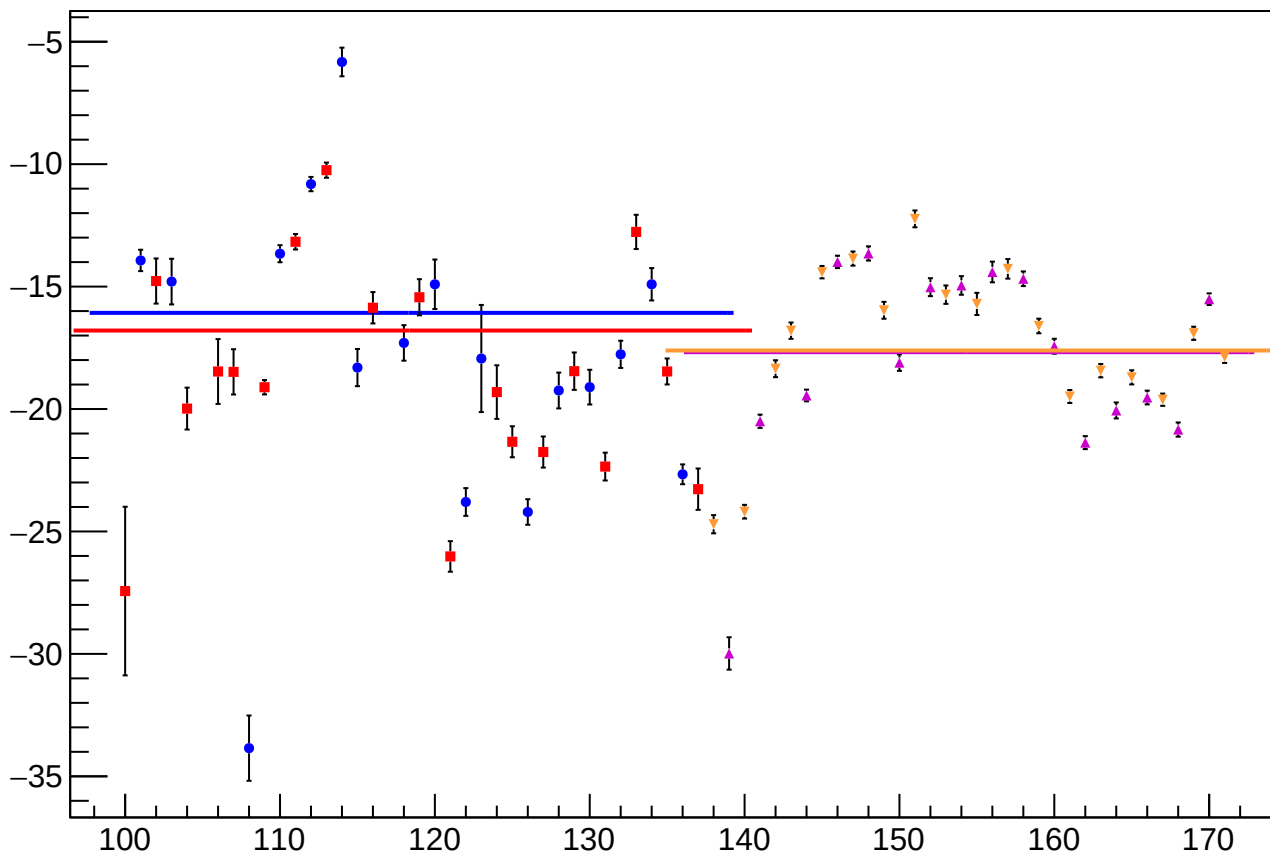
Left In: -48.996 ± 0.088 χ^2/NDF : 4908.4/15

+ sign -52.761 ± 0.078 χ^2/NDF : 21147.1/34

All: -53.456 ± 0.056 χ^2/NDF : 47690.1/69

- sign -54.169 ± 0.079 χ^2/NDF : 26383.1/34

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 $\pm$ 0.133 χ^2/NDF : 1640.5/16

Left Out: -17.609 $\pm$ 0.071 χ^2/NDF : 1802.2/17

Right Out: -16.795 $\pm$ 0.128 χ^2/NDF : 1216.0/18

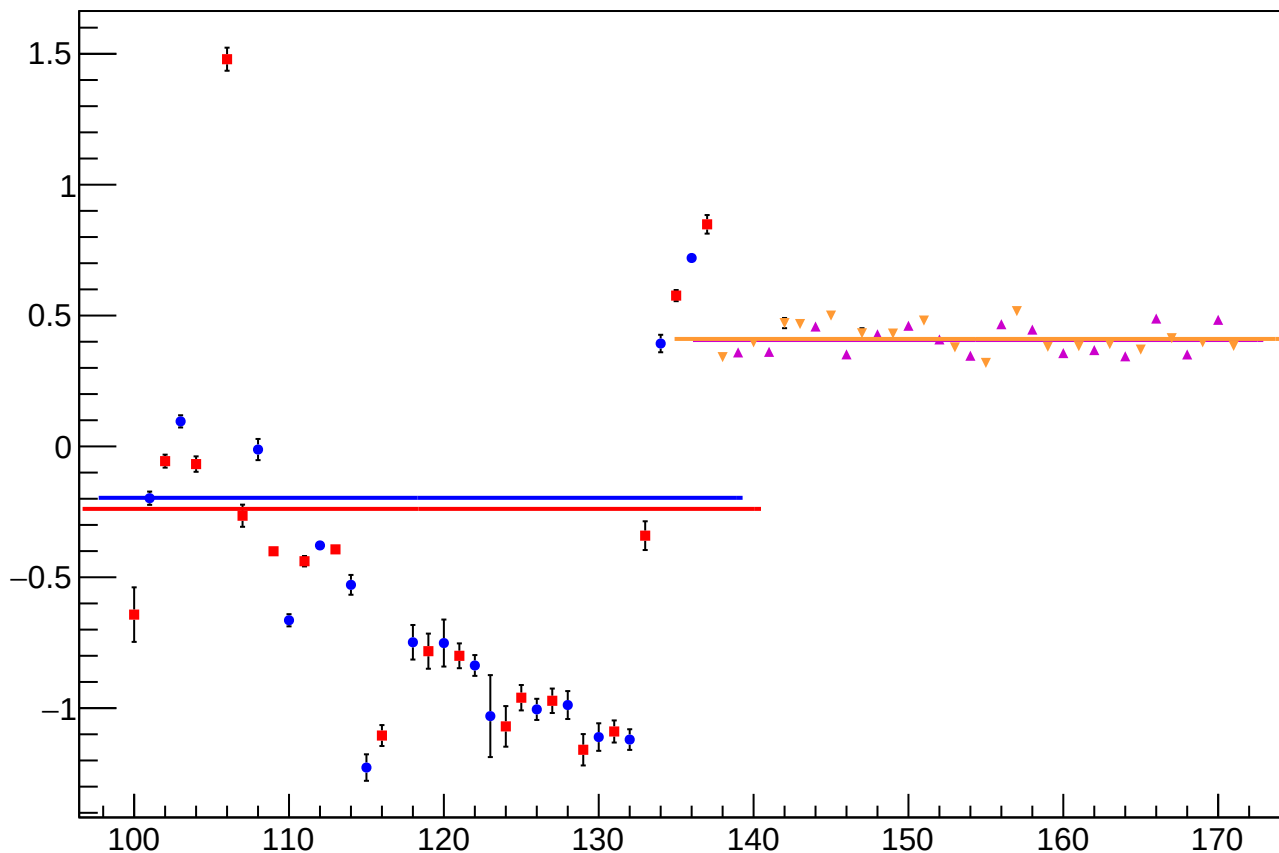
Left In: -17.679 $\pm$ 0.075 χ^2/NDF : 1671.1/15

+ sign -17.264 $\pm$ 0.063 χ^2/NDF : 3546.9/34

All: -17.356 $\pm$ 0.045 χ^2/NDF : 6473.8/69

- sign -17.453 $\pm$ 0.065 χ^2/NDF : 2922.5/34

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.411 ± 0.003 χ^2/NDF : 228.9/17

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

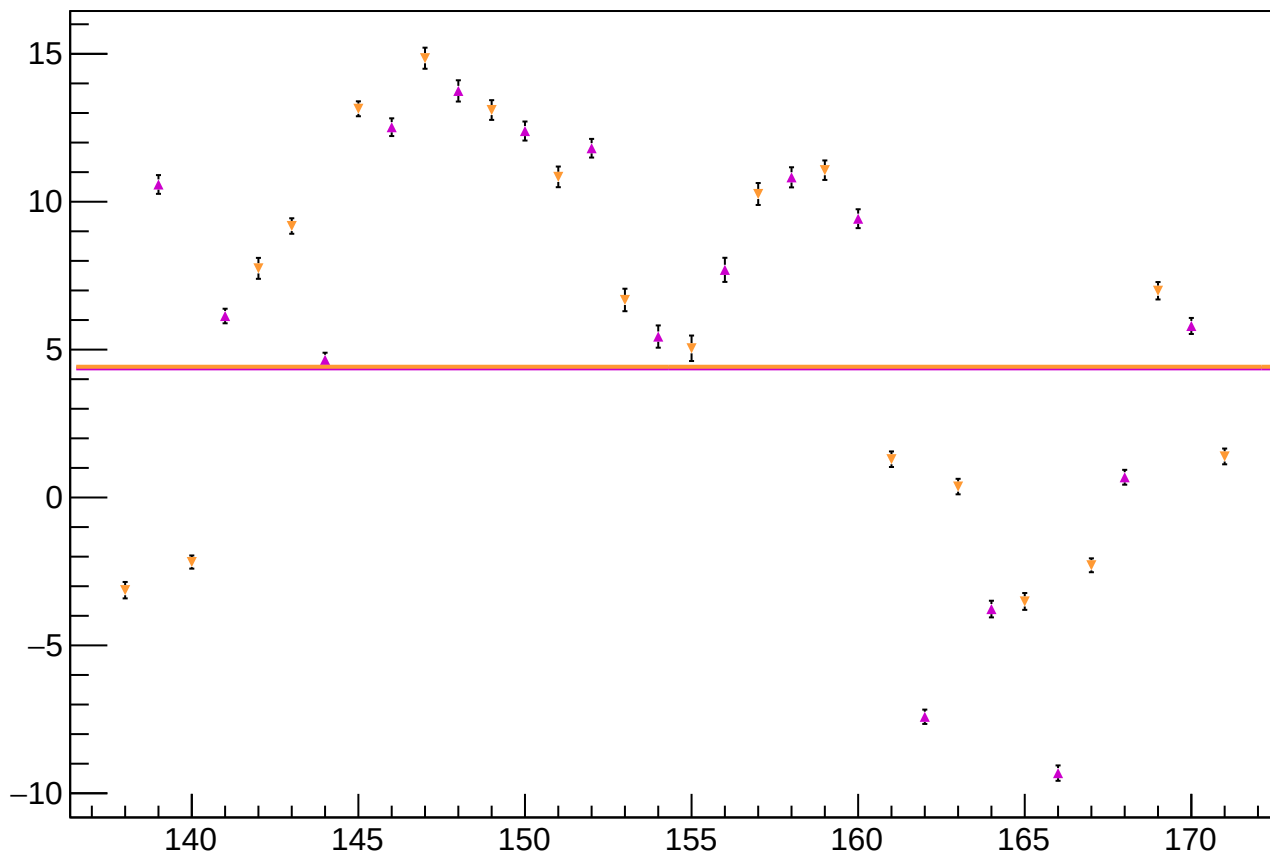
Left In: 0.406 ± 0.003 χ^2/NDF : 253.1/15

+ sign 0.312 ± 0.003 χ^2/NDF : 11974.8/34

All: 0.298 ± 0.002 χ^2/NDF : 24998.0/69

- sign 0.284 ± 0.003 χ^2/NDF : 12981.2/34

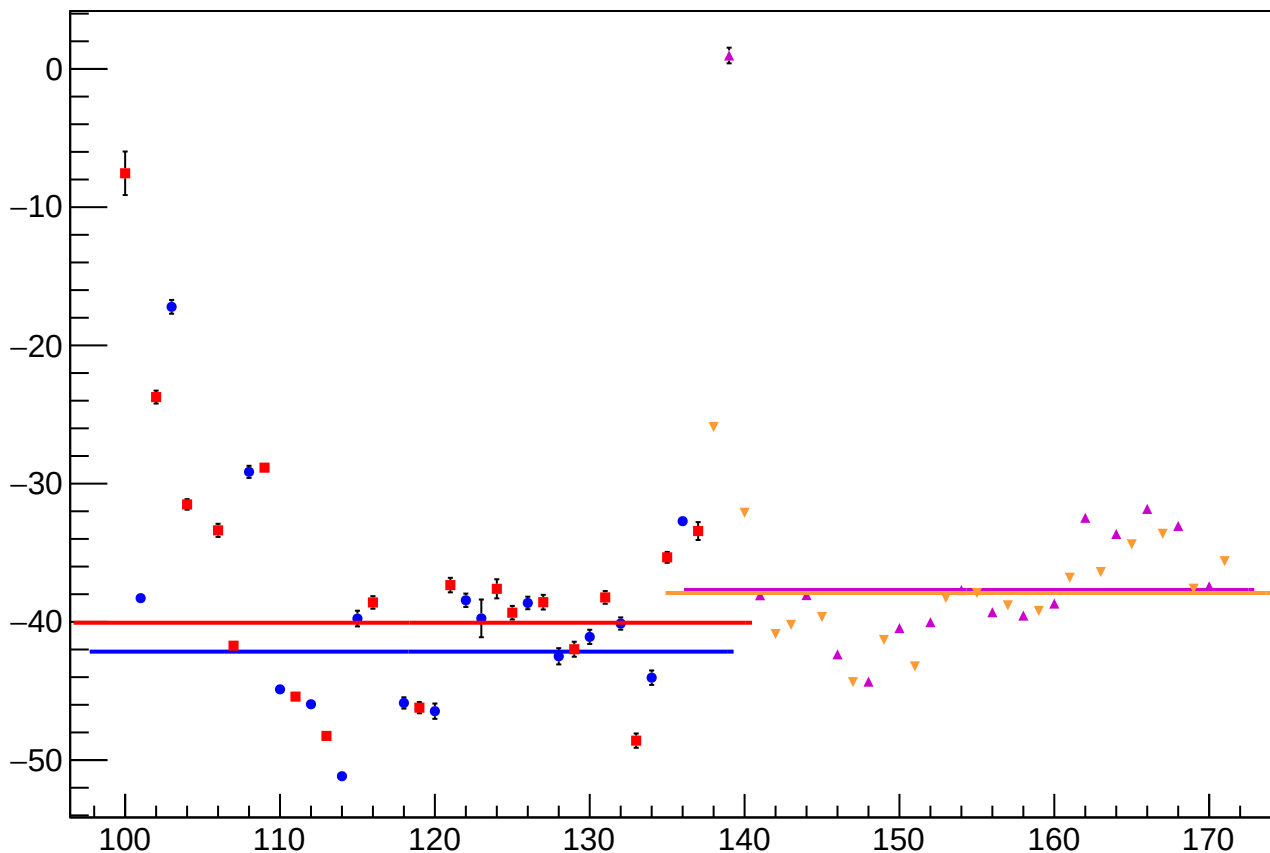
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.421 $\pm$ 0.069 χ^2 /NDF: 7975.9/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.365 $\pm$ 0.073 χ^2 /NDF: 9938.7/15

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 4.395 $\pm$ 0.050 χ^2 /NDF: 17914.9/33
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 $\chi^2/\text{NDF}: 6557.8/16$

Left Out: -37.910 ± 0.050 $\chi^2/\text{NDF}: 6720.0/17$

Right Out: -40.062 ± 0.073 $\chi^2/\text{NDF}: 11322.2/18$

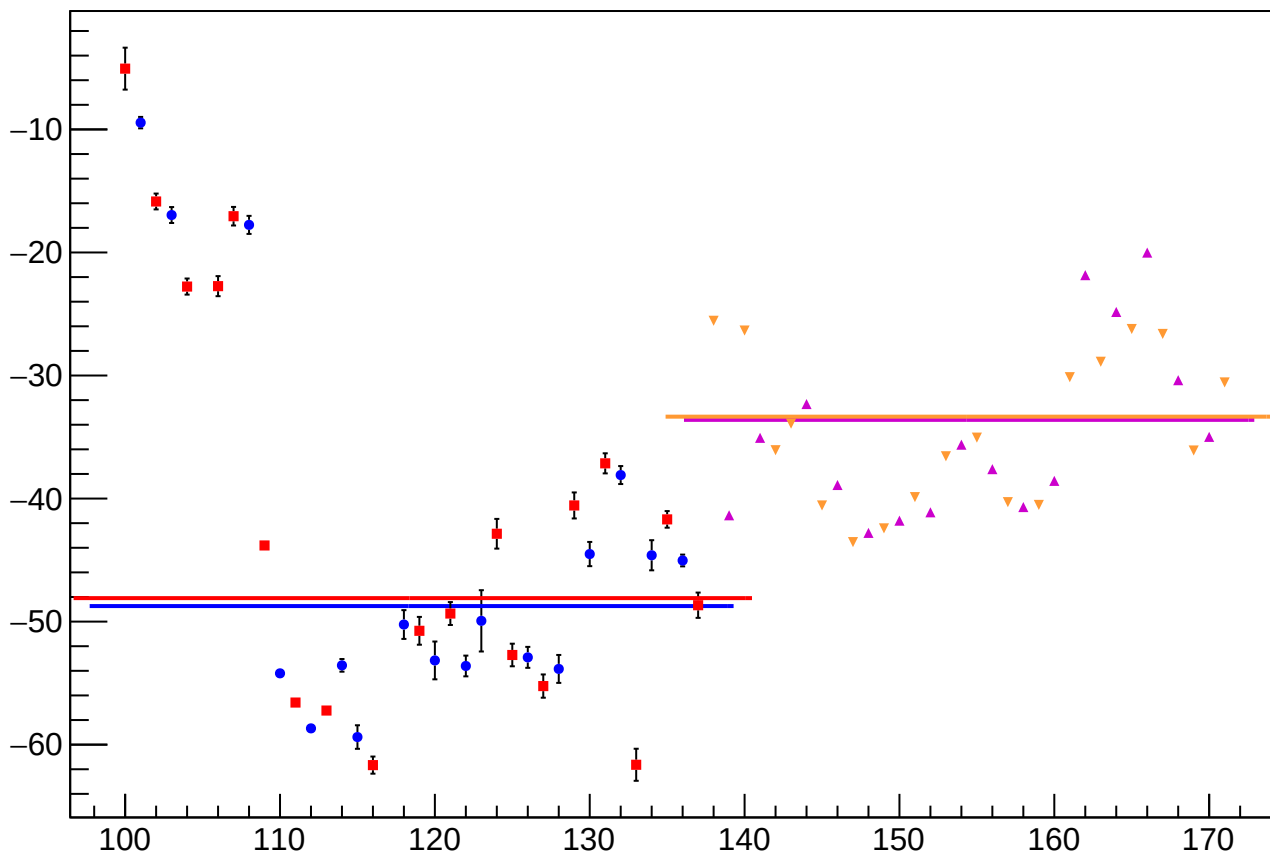
Left In: -37.693 ± 0.054 $\chi^2/\text{NDF}: 9214.1/15$

+ sign -39.143 ± 0.042 $\chi^2/\text{NDF}: 15376.3/34$

All: -38.842 ± 0.030 $\chi^2/\text{NDF}: 36705.0/69$

- sign -38.526 ± 0.043 $\chi^2/\text{NDF}: 21223.8/34$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 χ^2/NDF : 14658.1/16

Left Out: -33.344 ± 0.069 χ^2/NDF : 7641.0/17

Right Out: -48.092 ± 0.107 χ^2/NDF : 11733.2/18

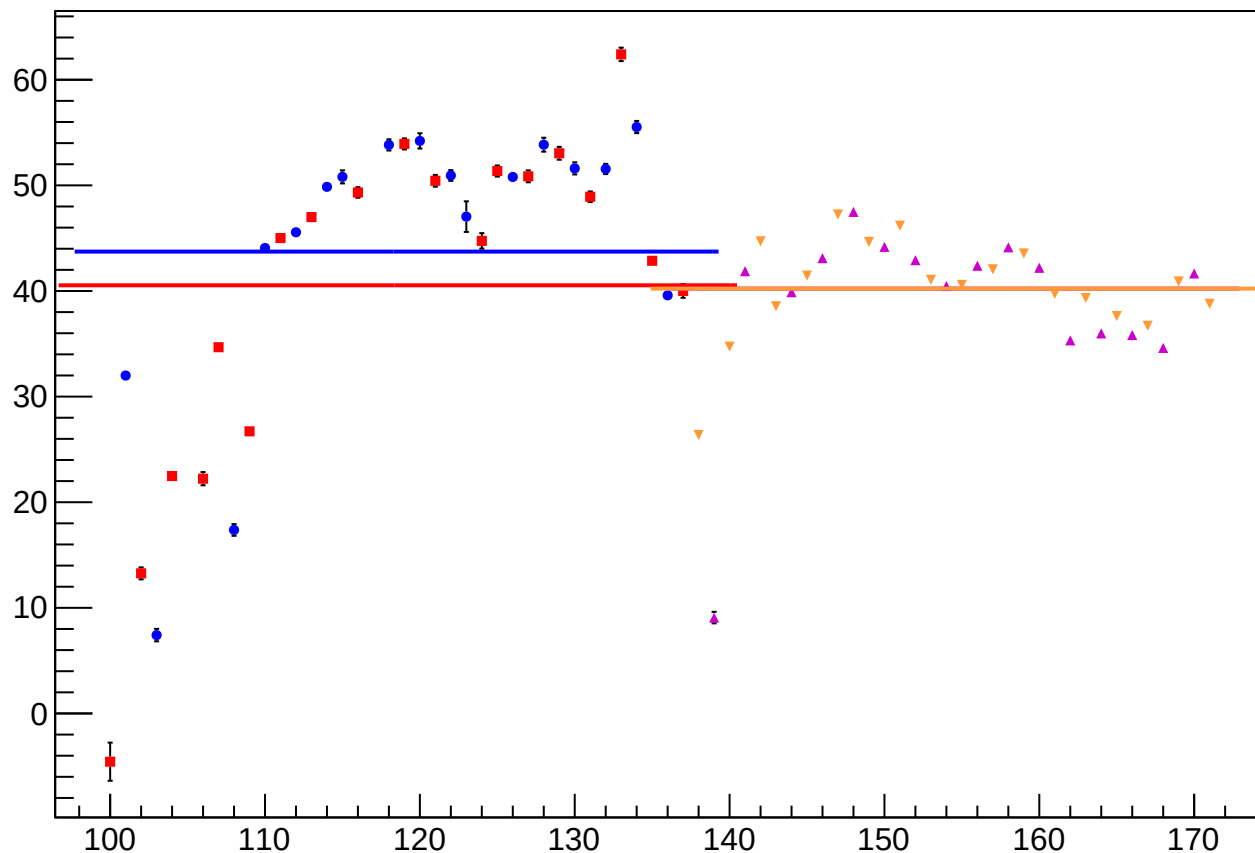
Left In: -33.604 ± 0.072 χ^2/NDF : 10328.8/15

+ sign -36.948 ± 0.060 χ^2/NDF : 33995.6/34

All: -37.534 ± 0.042 χ^2/NDF : 68819.7/69

- sign -38.111 ± 0.060 χ^2/NDF : 34636.4/34

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 $\pm$ 0.087 χ^2 /NDF: 10567.7/16

Left Out: 40.225 $\pm$ 0.058 χ^2 /NDF: 5351.6/17

Right Out: 40.537 $\pm$ 0.080 χ^2 /NDF: 17601.3/18

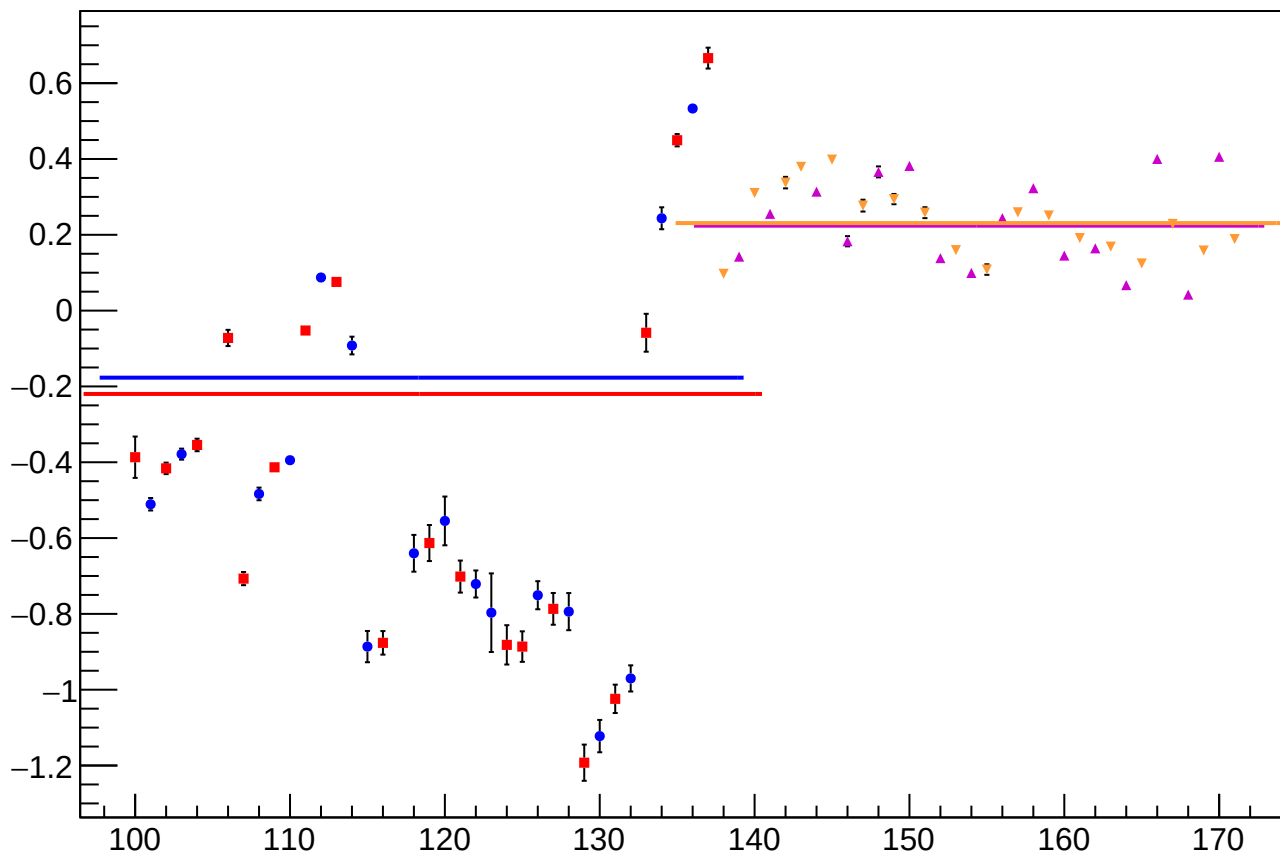
Left In: 40.225 $\pm$ 0.062 χ^2 /NDF: 6817.0/15

+ sign 41.296 $\pm$ 0.048 χ^2 /NDF: 17051.2/34

All: 40.827 $\pm$ 0.034 χ^2 /NDF: 41673.7/69

- sign 40.341 $\pm$ 0.049 χ^2 /NDF: 24427.9/34

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 $\chi^2/\text{NDF}: 7364.7/16$

Left Out: 0.231 ± 0.003 $\chi^2/\text{NDF}: 1016.0/17$

Right Out: -0.220 ± 0.004 $\chi^2/\text{NDF}: 7430.4/18$

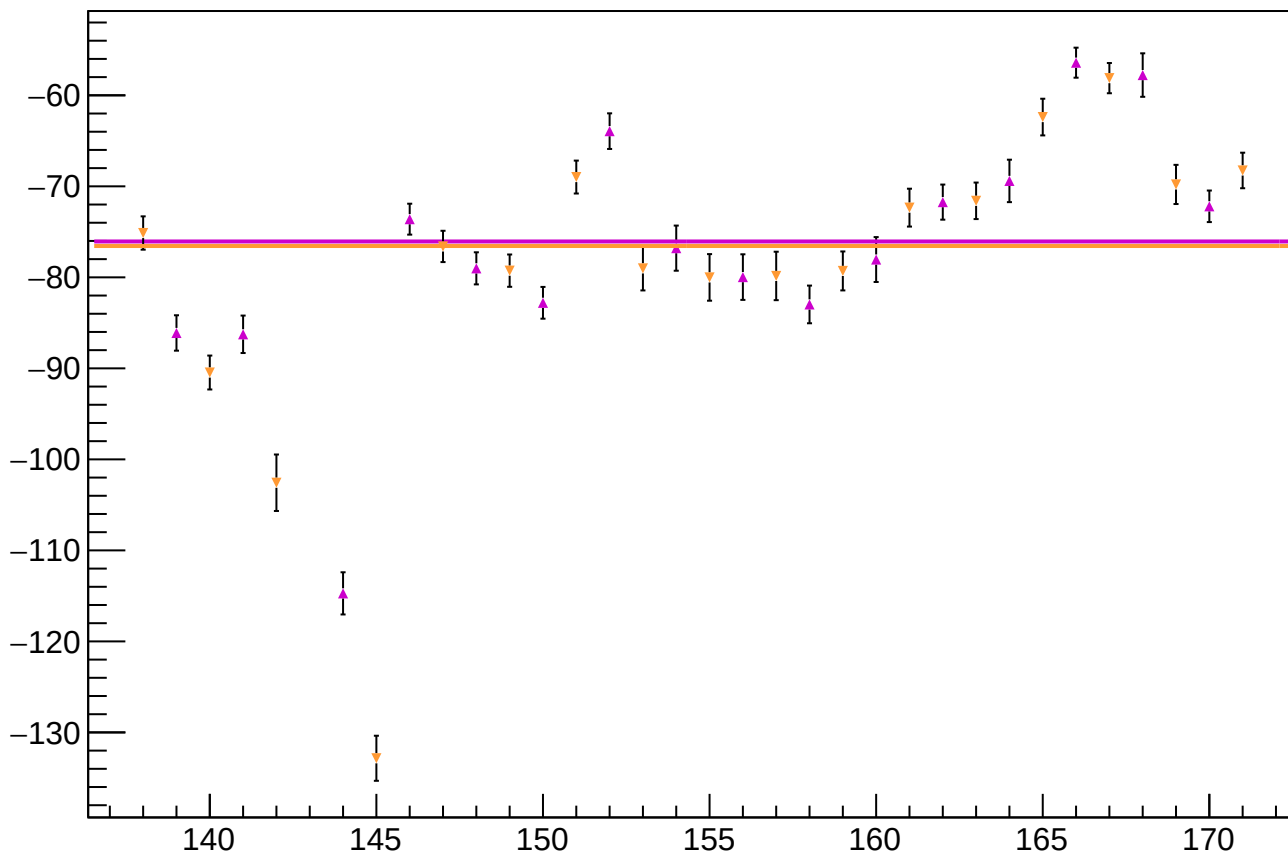
Left In: 0.224 ± 0.003 $\chi^2/\text{NDF}: 1812.9/15$

+ sign 0.135 ± 0.002 $\chi^2/\text{NDF}: 13800.4/34$

All: 0.112 ± 0.002 $\chi^2/\text{NDF}: 30642.2/69$

- sign 0.090 ± 0.002 $\chi^2/\text{NDF}: 16660.4/34$

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -76.558 $\pm$ 0.496 χ^2 /NDF:880.3/16

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

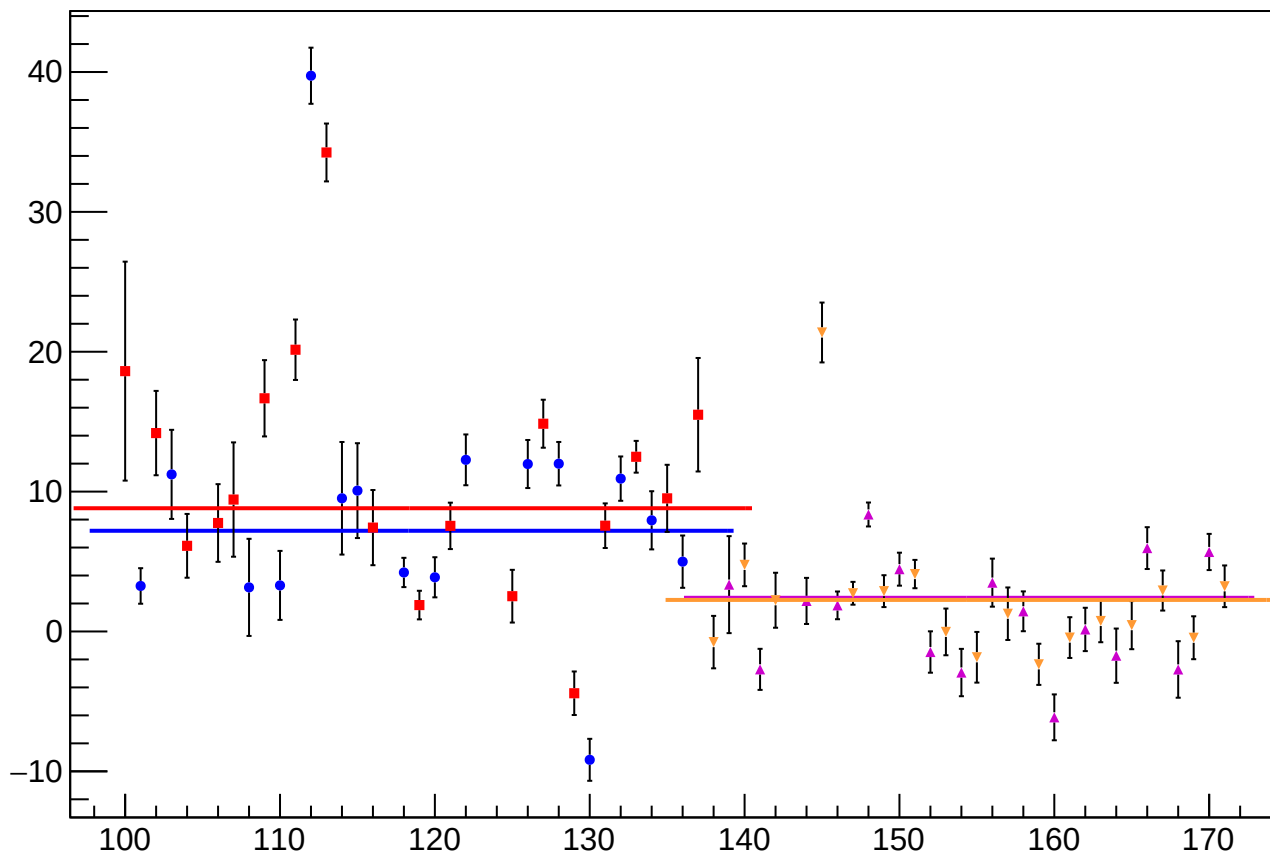
Left In: -76.058 $\pm$ 0.500 χ^2 /NDF:620.6/15

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

All: -76.310 $\pm$ 0.352 χ^2 /NDF: 1501.4/32

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

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.255 ± 0.344 χ^2/NDF : 115.4/16

Right Out: 8.810 ± 0.448 χ^2/NDF : 349.7/17

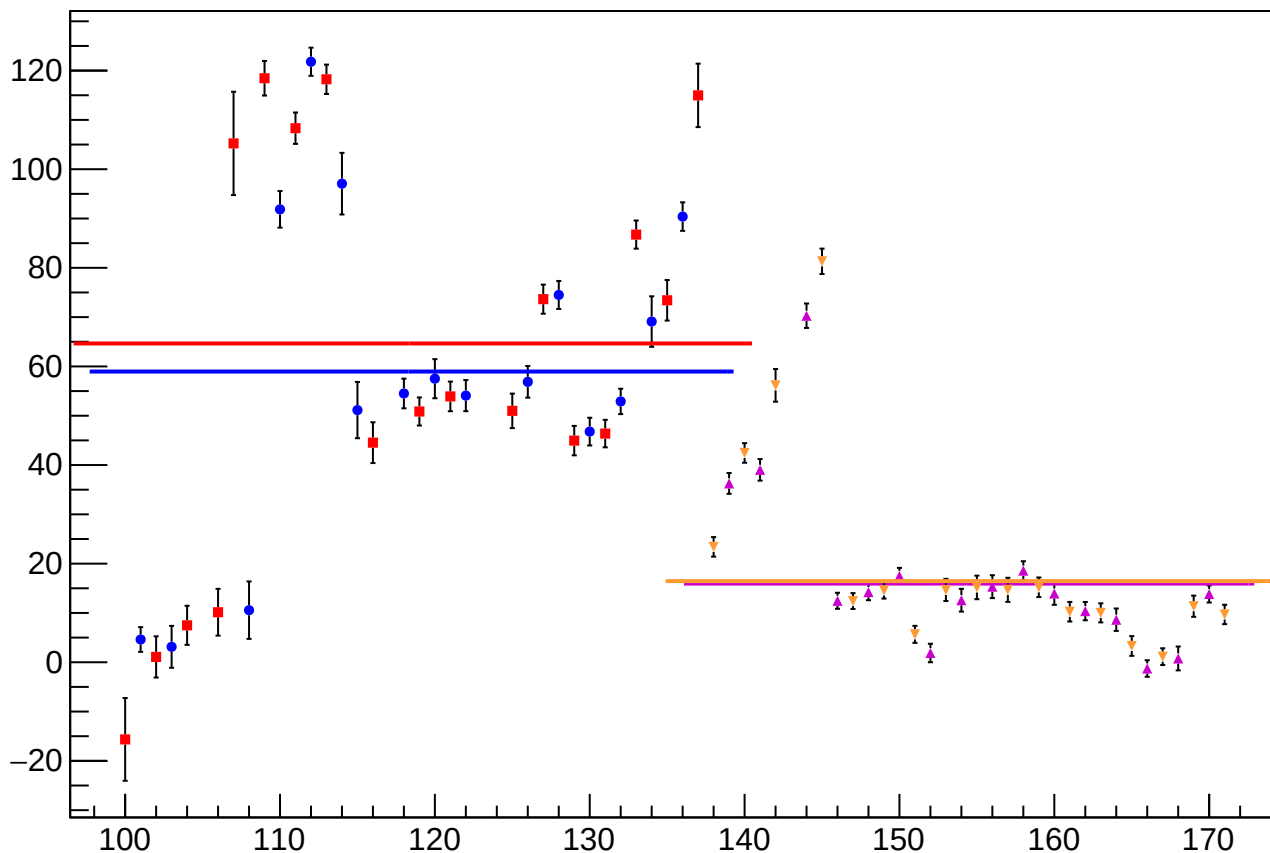
Left In: 2.407 ± 0.354 χ^2/NDF : 134.0/15

+ sign 4.133 ± 0.271 χ^2/NDF : 637.7/32

All: 4.491 ± 0.194 χ^2/NDF : 1250.8/66

- sign 4.866 ± 0.278 χ^2/NDF : 609.6/33

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 ± 0.837 χ^2/NDF : 1496.5/15

Left Out: 16.460 ± 0.487 χ^2/NDF : 1175.6/16

Right Out: 64.655 ± 0.840 χ^2/NDF : 1721.8/17

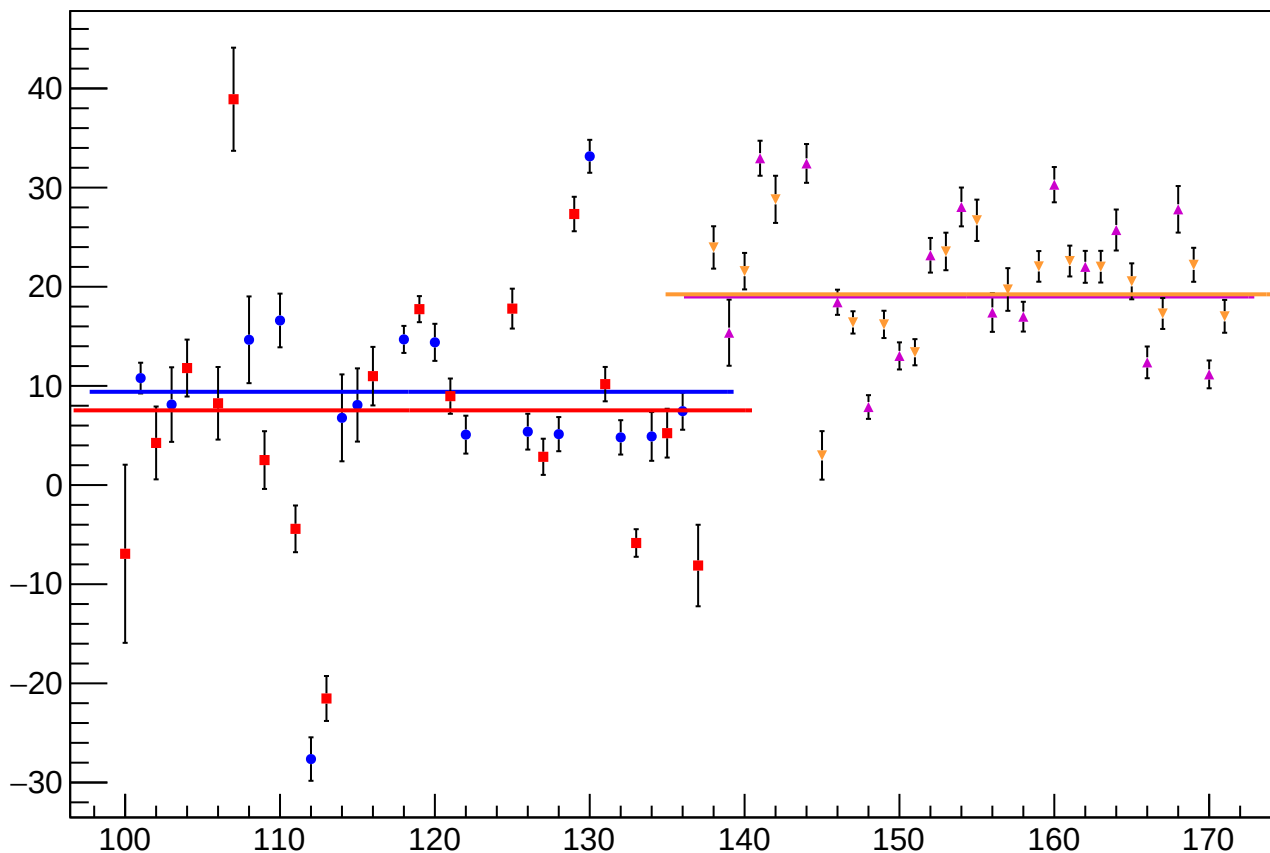
Left In: 15.957 ± 0.489 χ^2/NDF : 917.8/15

+ sign 27.201 ± 0.421 χ^2/NDF : 4599.1/32

All: 27.741 ± 0.298 χ^2/NDF : 9751.9/66

- sign 28.287 ± 0.423 χ^2/NDF : 5149.5/33

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 19.236 ± 0.404 χ^2/NDF : 133.7/16

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

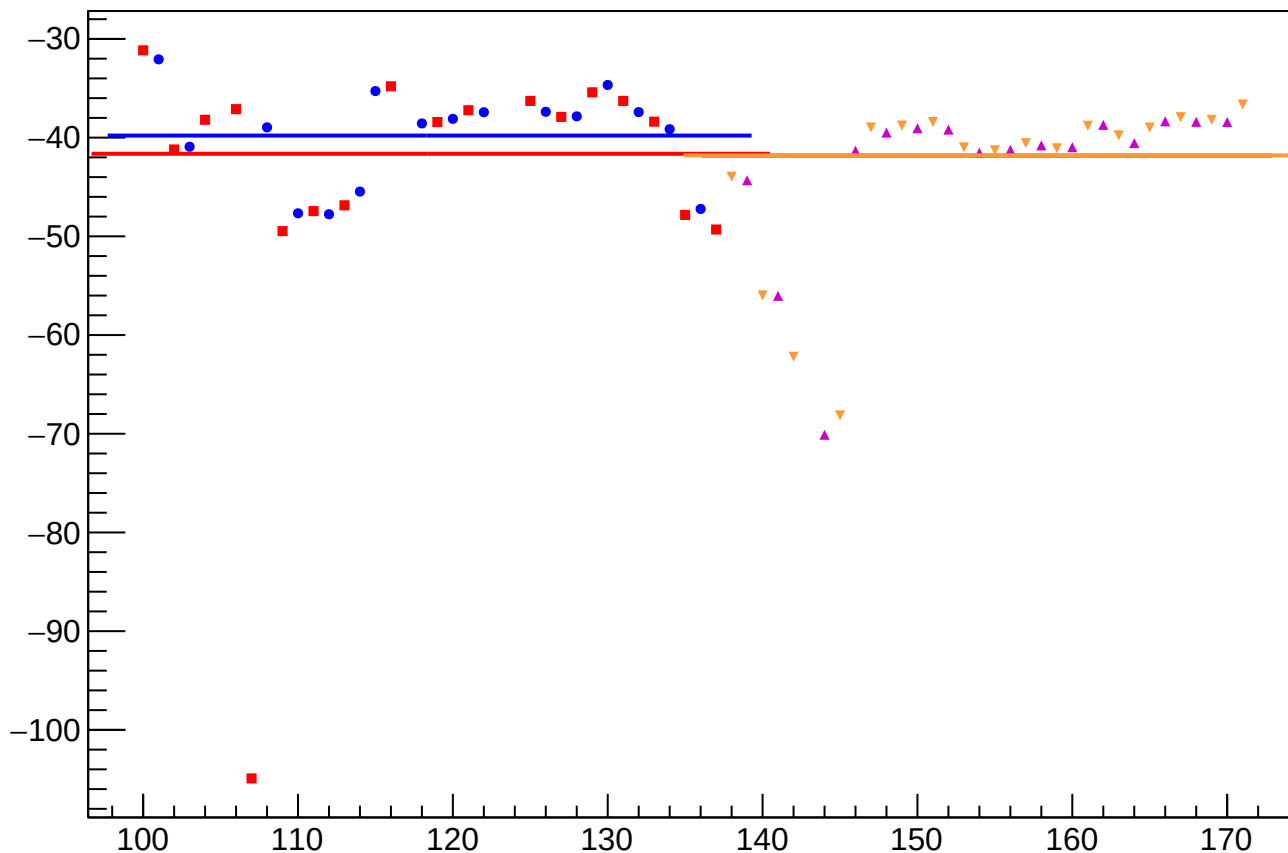
Left In: 19.015 ± 0.414 χ^2/NDF : 363.0/15

+ sign 15.414 ± 0.316 χ^2/NDF : 913.2/32

All: 14.970 ± 0.226 χ^2/NDF : 2152.2/66

- sign 14.506 ± 0.323 χ^2/NDF : 1234.9/33

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -41.796 ± 0.019 χ^2/NDF : 137837.4/16

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

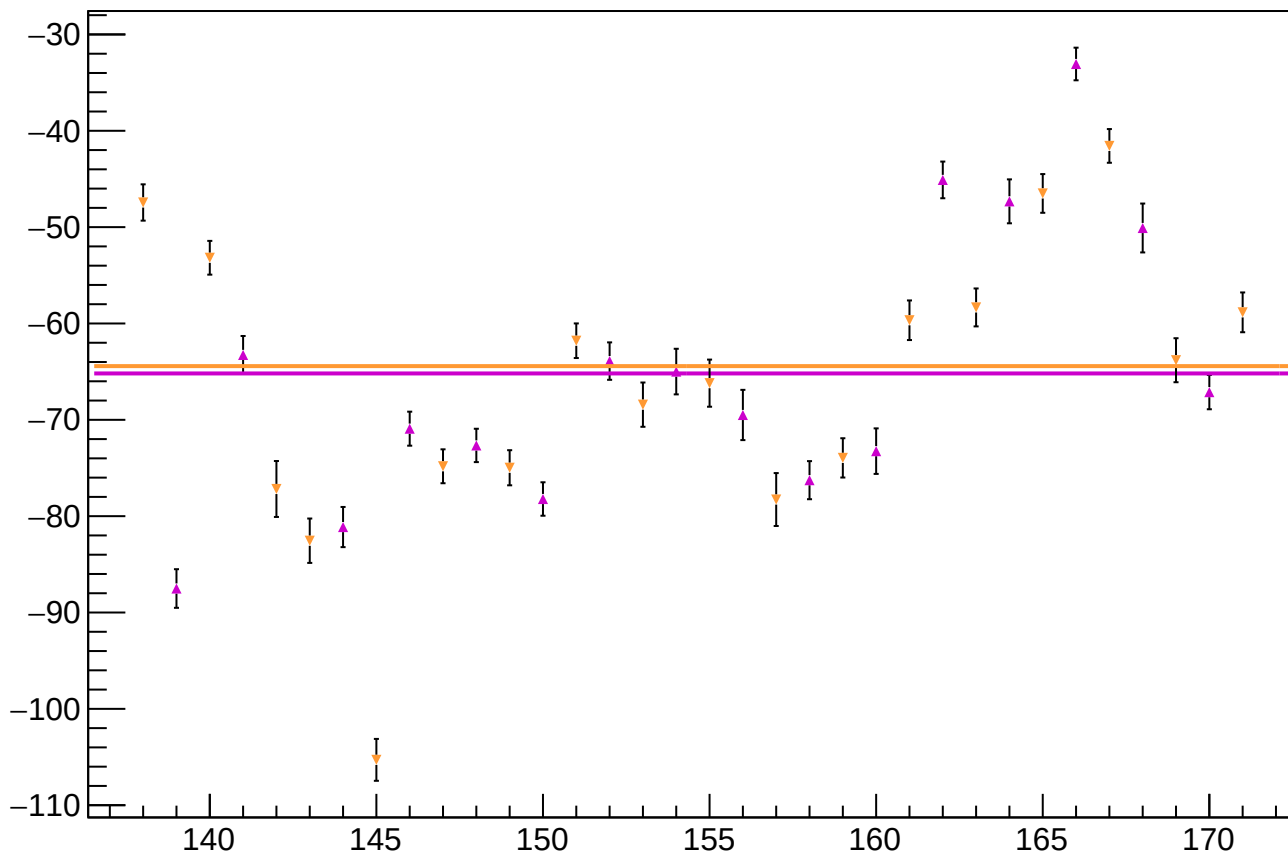
Left In: -41.818 ± 0.019 χ^2/NDF : 107361.9/15

+ sign -41.246 ± 0.016 χ^2/NDF : 166967.5/32

All: -41.505 ± 0.012 χ^2/NDF : 369252.9/66

- sign -41.767 ± 0.016 χ^2/NDF : 201779.7/33

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -64.426+/-0.483 χ^2/NDF : 950.9/17

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

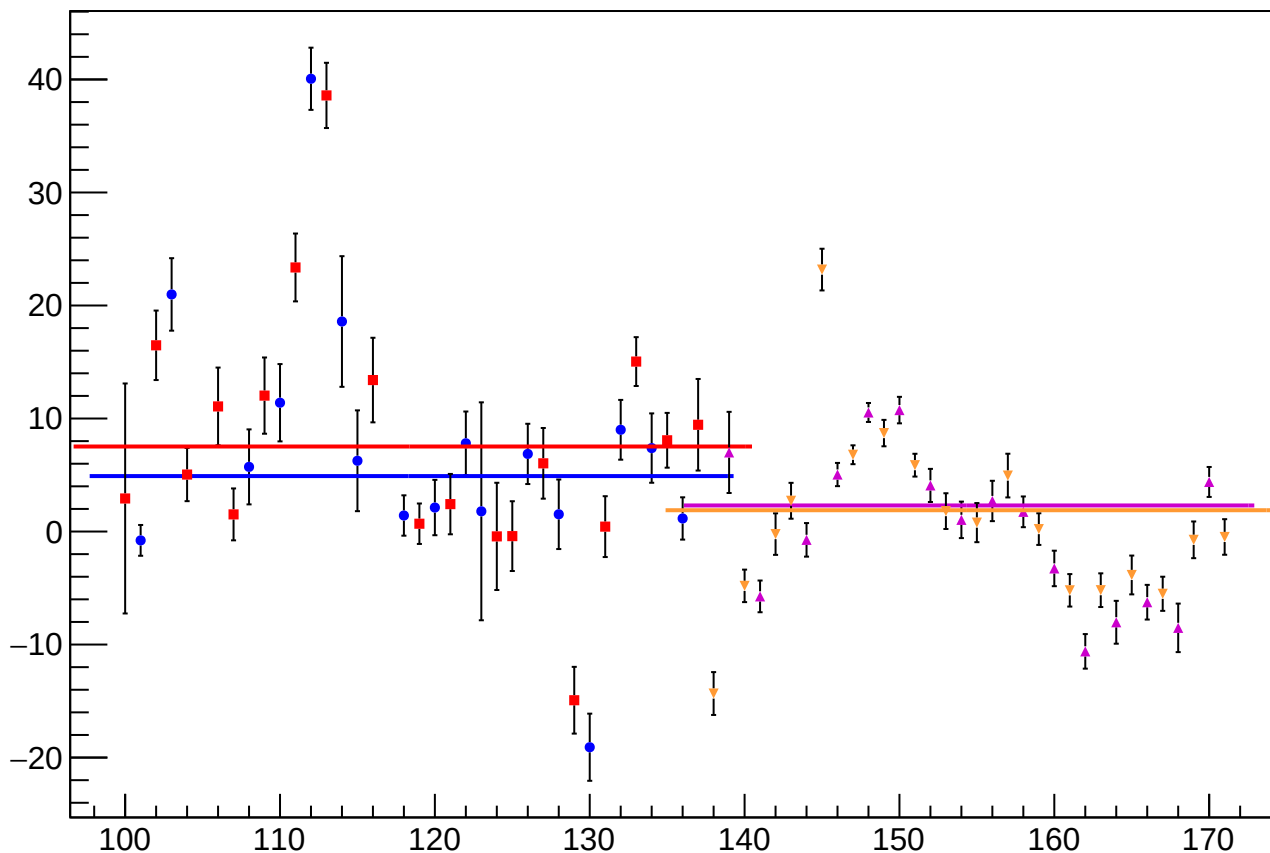
Left In: -65.186+/-0.498 χ^2/NDF : 884.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -64.795+/-0.347 χ^2/NDF : 1836.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 1.885 ± 0.335 $\chi^2/\text{NDF}: 405.2/17$

Right Out: 7.523 ± 0.651 $\chi^2/\text{NDF}: 270.6/18$

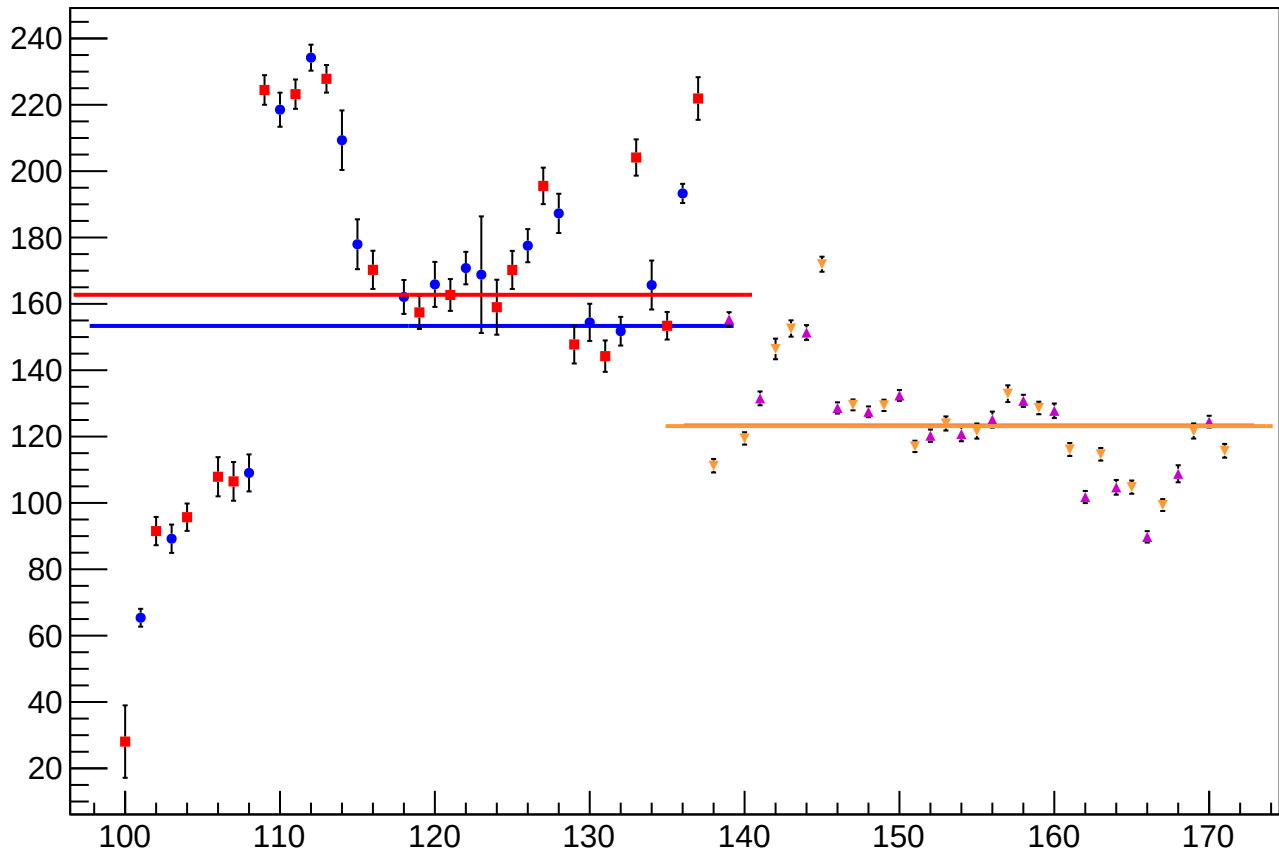
Left In: 2.307 ± 0.350 $\chi^2/\text{NDF}: 368.6/15$

+ sign 2.555 ± 0.296 $\chi^2/\text{NDF}: 718.6/34$

All: 2.997 ± 0.213 $\chi^2/\text{NDF}: 1412.4/69$

- sign 3.479 ± 0.308 $\chi^2/\text{NDF}: 689.1/34$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 123.154 $\pm$ 0.476 χ^2 /NDF:1072.1/17

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

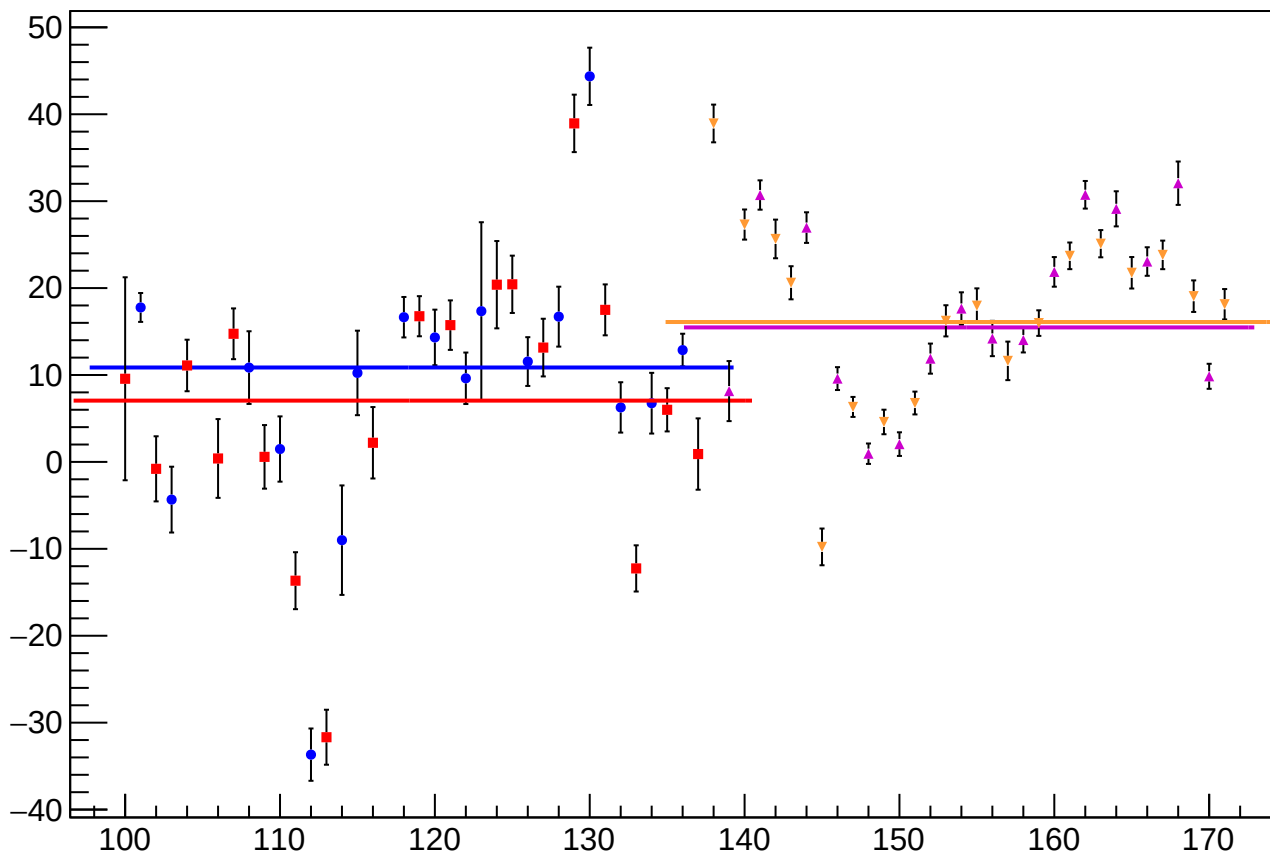
Left In: 123.302 $\pm$ 0.486 χ^2 /NDF:1083.2/15

+ sign 127.567 $\pm$ 0.440 χ^2 /NDF: 3928.9/34

All: 128.293 $\pm$ 0.314 χ^2 /NDF: 7685.3/69

- sign 129.050 $\pm$ 0.449 χ^2 /NDF: 3750.9/34

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2/NDF : 387.9/16

Left Out: 16.097 $\pm$ 0.394 χ^2/NDF : 614.2/17

Right Out: 7.052 $\pm$ 0.748 χ^2/NDF : 424.7/18

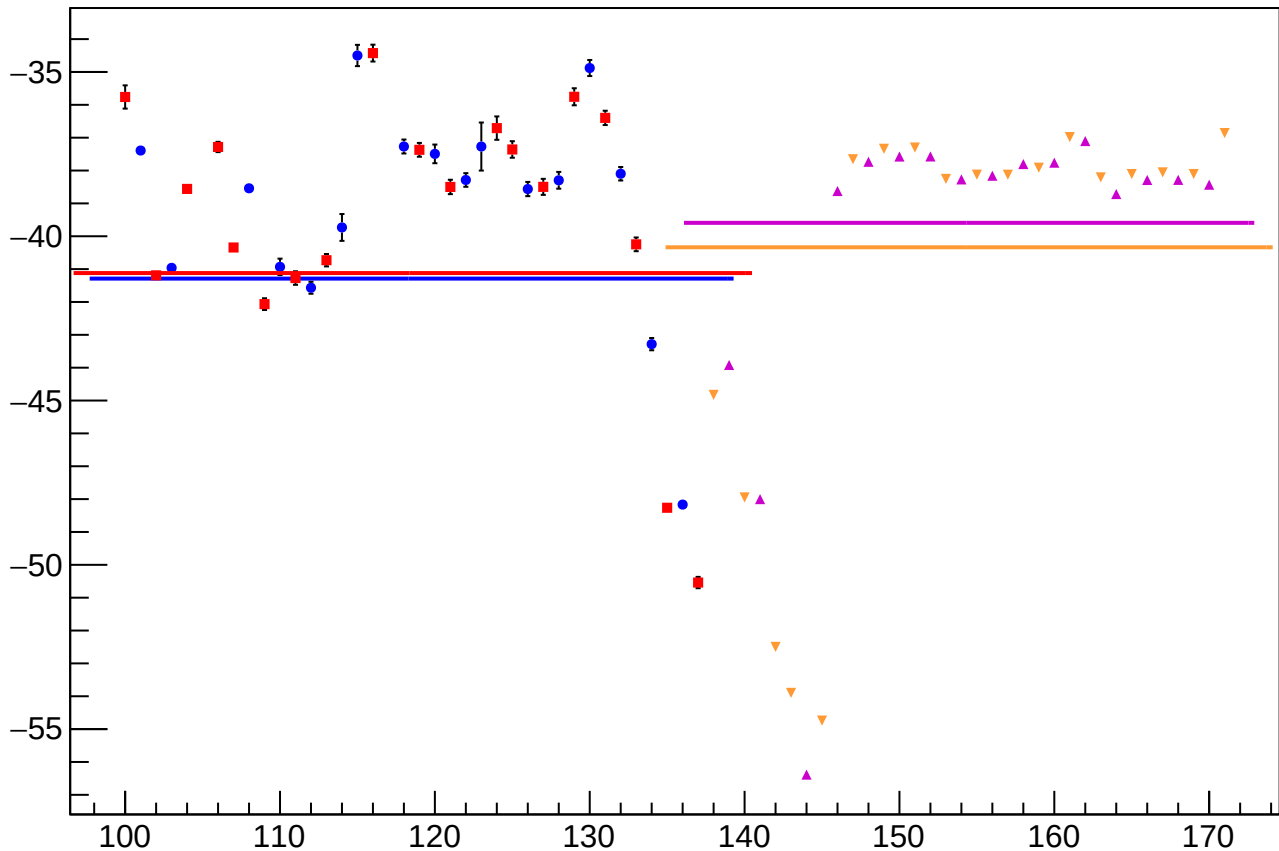
Left In: 15.474 $\pm$ 0.410 χ^2/NDF : 638.8/15

+ sign 14.891 $\pm$ 0.345 χ^2/NDF : 1042.8/34

All: 14.236 $\pm$ 0.249 χ^2/NDF : 2211.4/69

- sign 13.527 $\pm$ 0.359 χ^2/NDF : 1161.1/34

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 χ^2/NDF : 12509.1/16

Left Out: -40.336 ± 0.019 χ^2/NDF : 81512.0/17

Right Out: -41.120 ± 0.039 χ^2/NDF : 12110.6/18

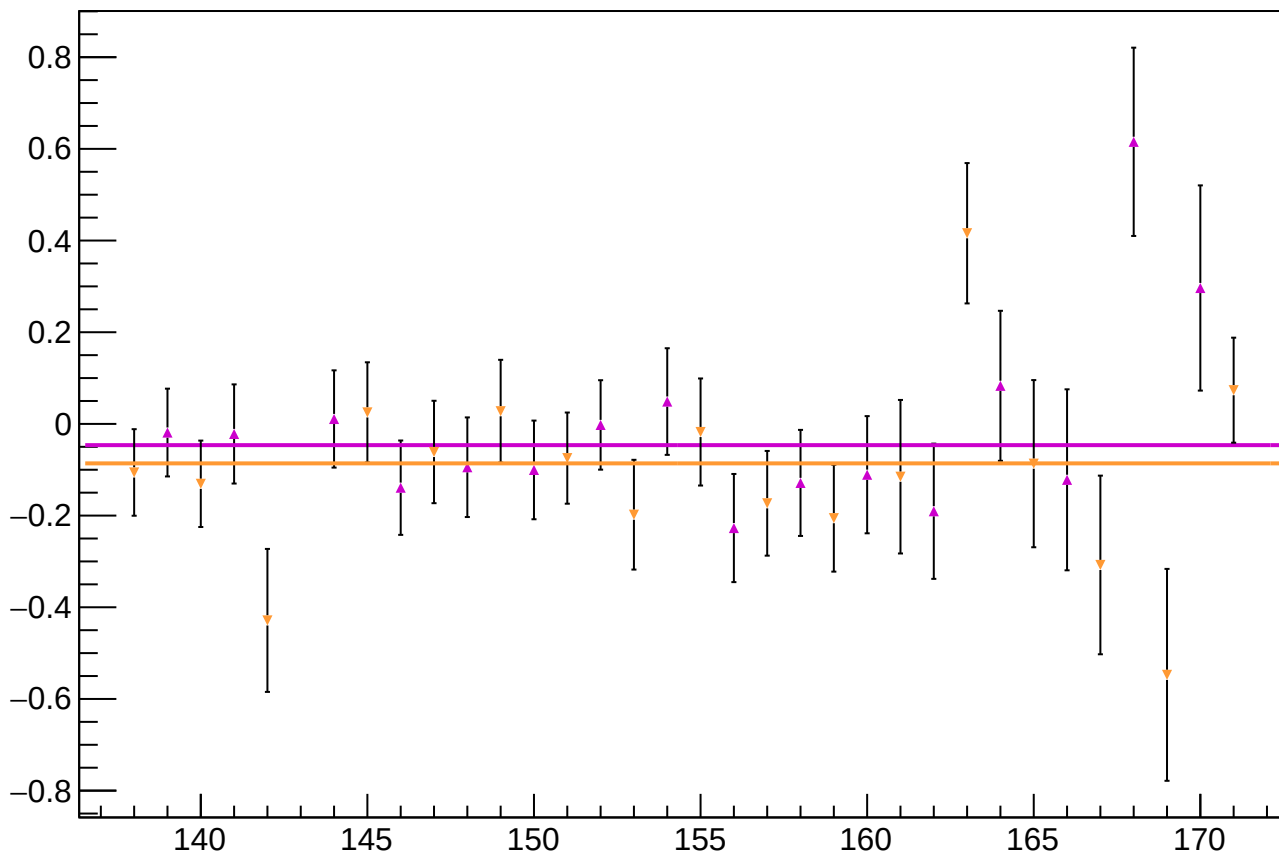
Left In: -39.592 ± 0.019 χ^2/NDF : 49127.2/15

+ sign -40.518 ± 0.017 χ^2/NDF : 94513.4/34

All: -40.212 ± 0.012 χ^2/NDF : 157673.3/69

- sign -39.895 ± 0.017 χ^2/NDF : 62491.2/34

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.086 $\pm$ 0.030 χ^2 /NDF: 28.1/16

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

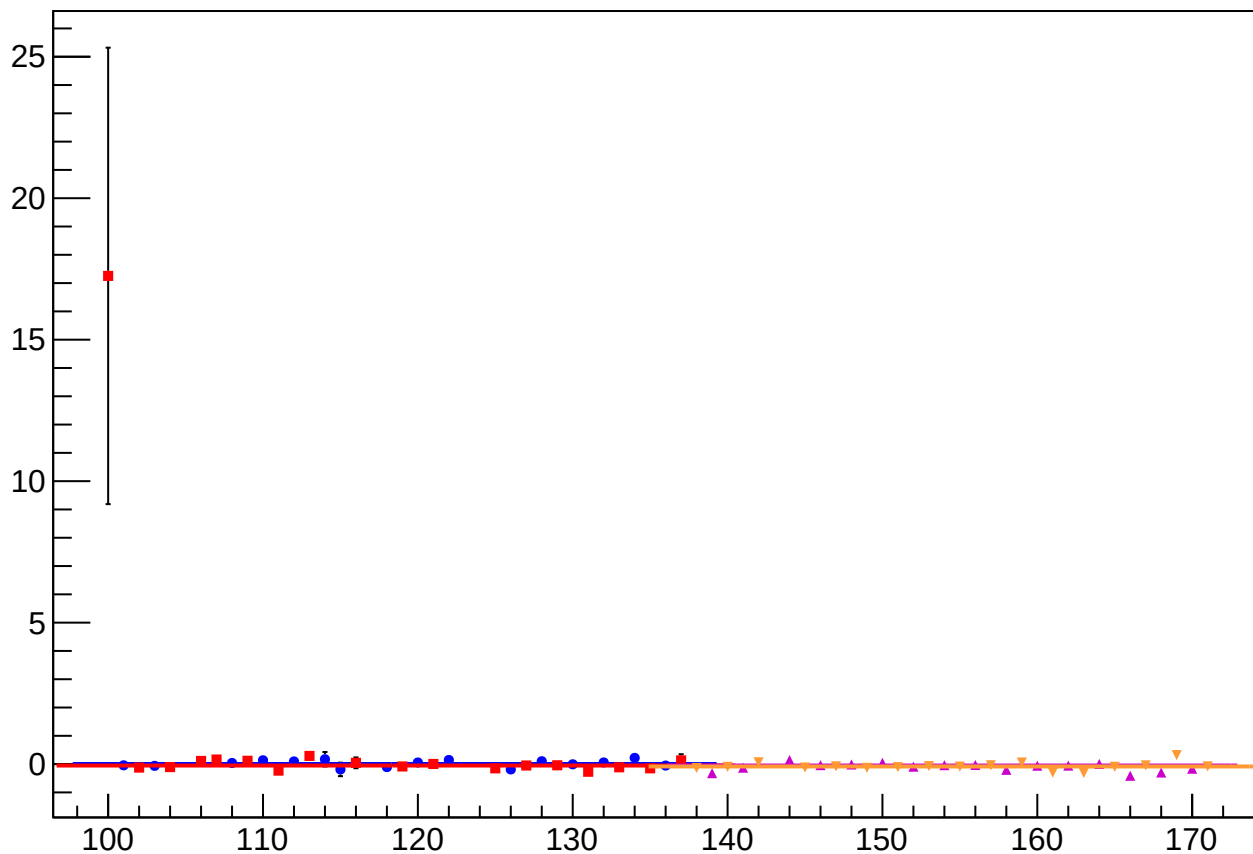
Left In: -0.046 $\pm$ 0.030 χ^2 /NDF: 20.1/15

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

All: -0.067 $\pm$ 0.021 χ^2 /NDF: 49.1/32

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

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.083 ± 0.021 χ^2/NDF : 19.7/16

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.6/17

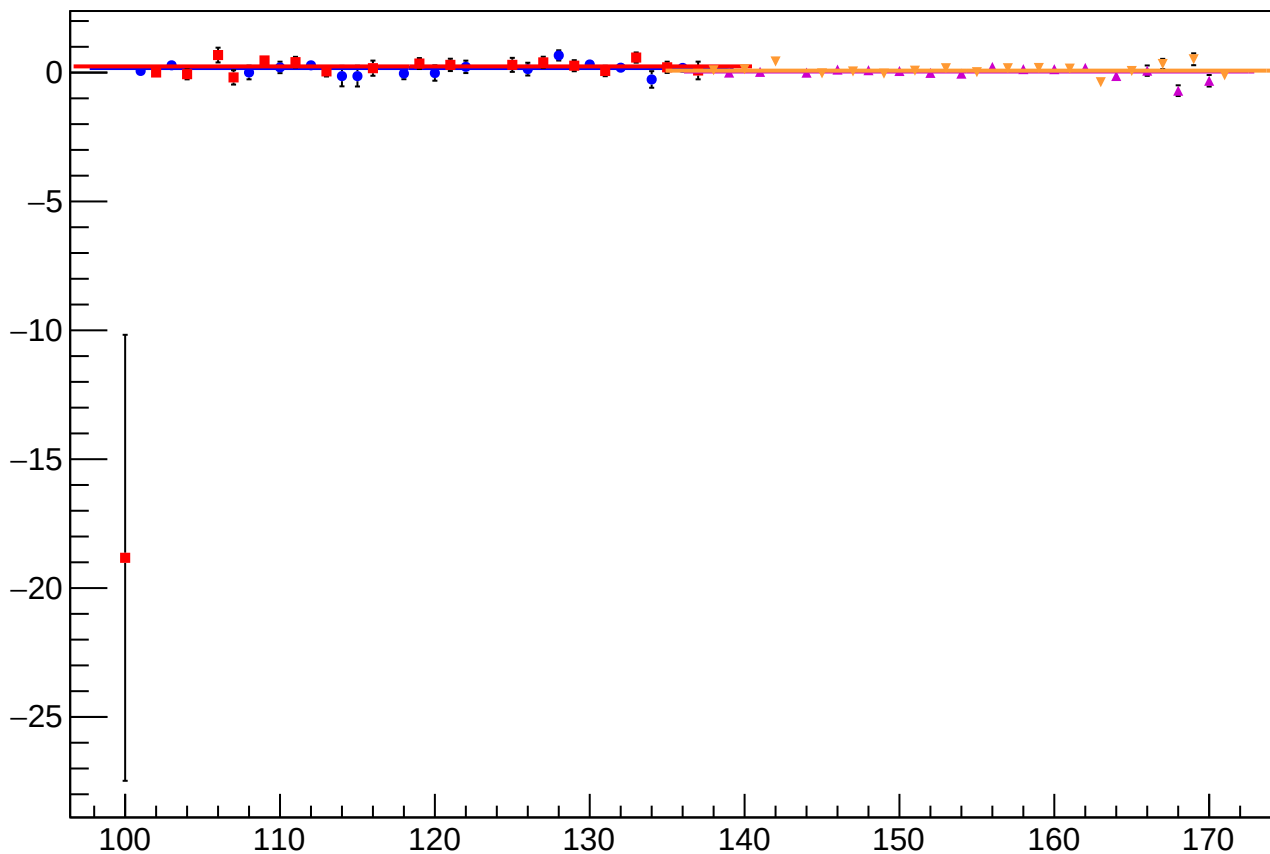
Left In: -0.050 ± 0.021 χ^2/NDF : 23.0/15

+ sign -0.053 ± 0.017 χ^2/NDF : 38.1/32

All: -0.051 ± 0.012 χ^2/NDF : 86.7/66

- sign -0.050 ± 0.017 χ^2/NDF : 48.6/33

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.075 $\pm$ 0.029 χ^2 /NDF: 27.0/16

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

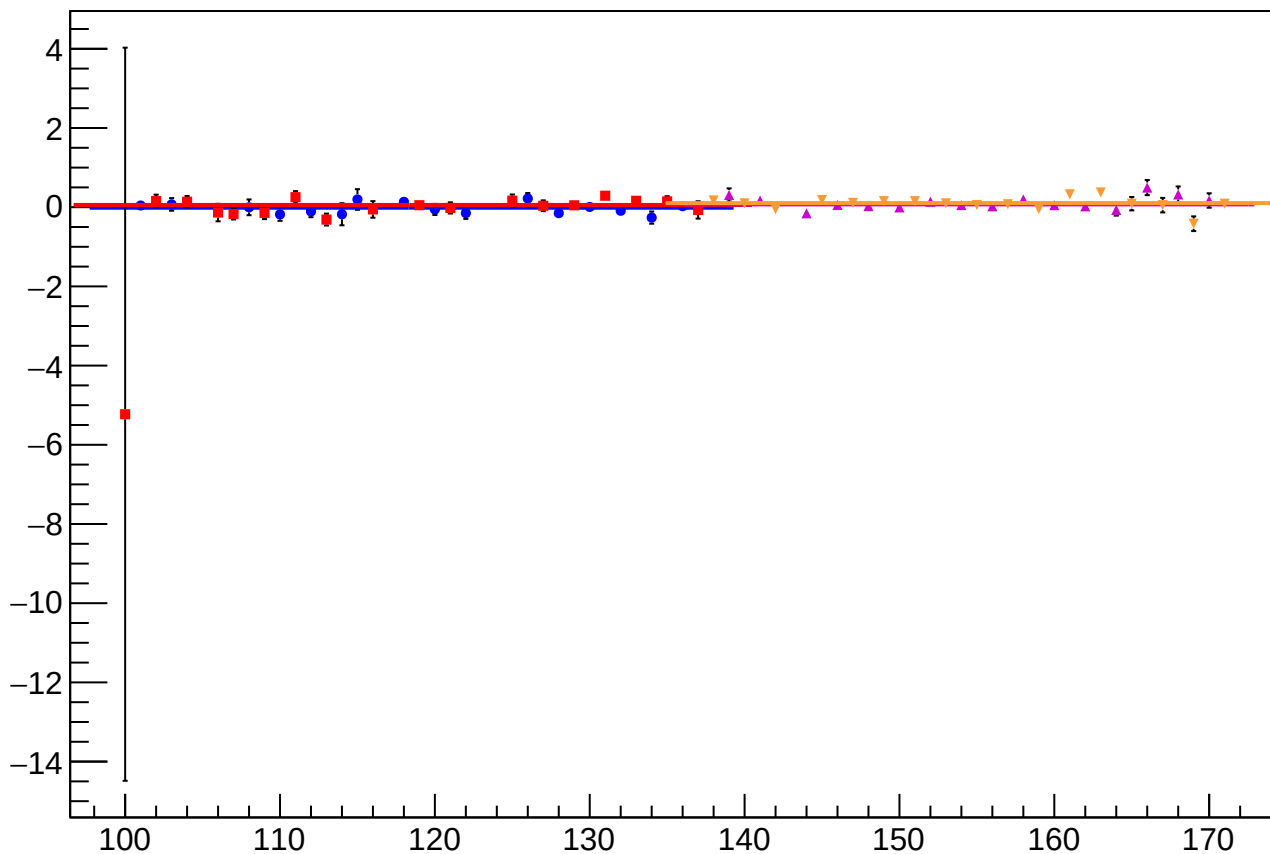
Left In: 0.041 $\pm$ 0.030 χ^2 /NDF: 23.6/15

+ sign 0.099 $\pm$ 0.026 χ^2 /NDF: 42.8/32

All: 0.093 $\pm$ 0.018 χ^2 /NDF: 98.5/66

- sign 0.087 $\pm$ 0.026 χ^2 /NDF: 55.6/33

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.104 ± 0.025 χ^2/NDF : 22.7/16

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

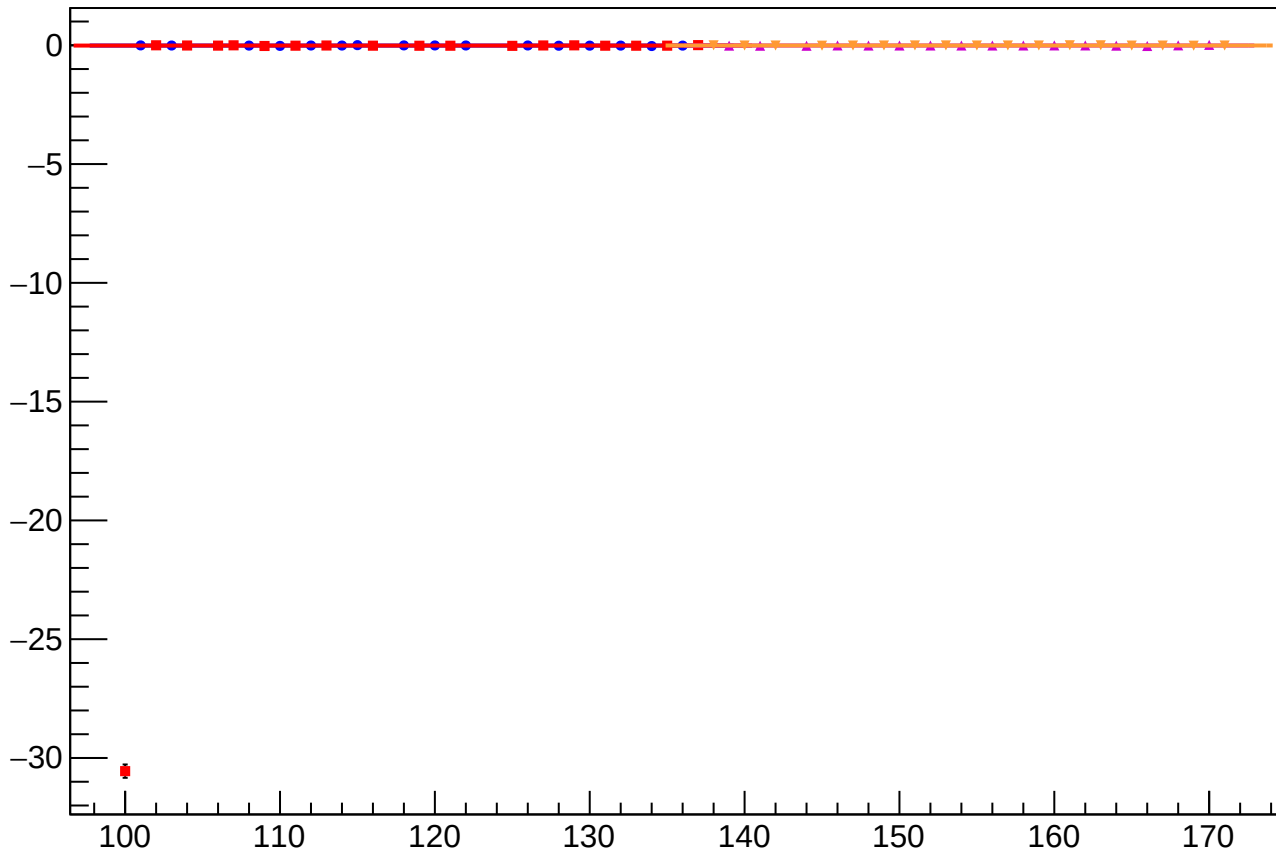
Left In: 0.070 ± 0.025 χ^2/NDF : 21.6/15

+ sign 0.062 ± 0.020 χ^2/NDF : 44.4/32

All: 0.064 ± 0.014 χ^2/NDF : 86.5/66

- sign 0.066 ± 0.020 χ^2/NDF : 42.1/33

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF:13.6/16

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

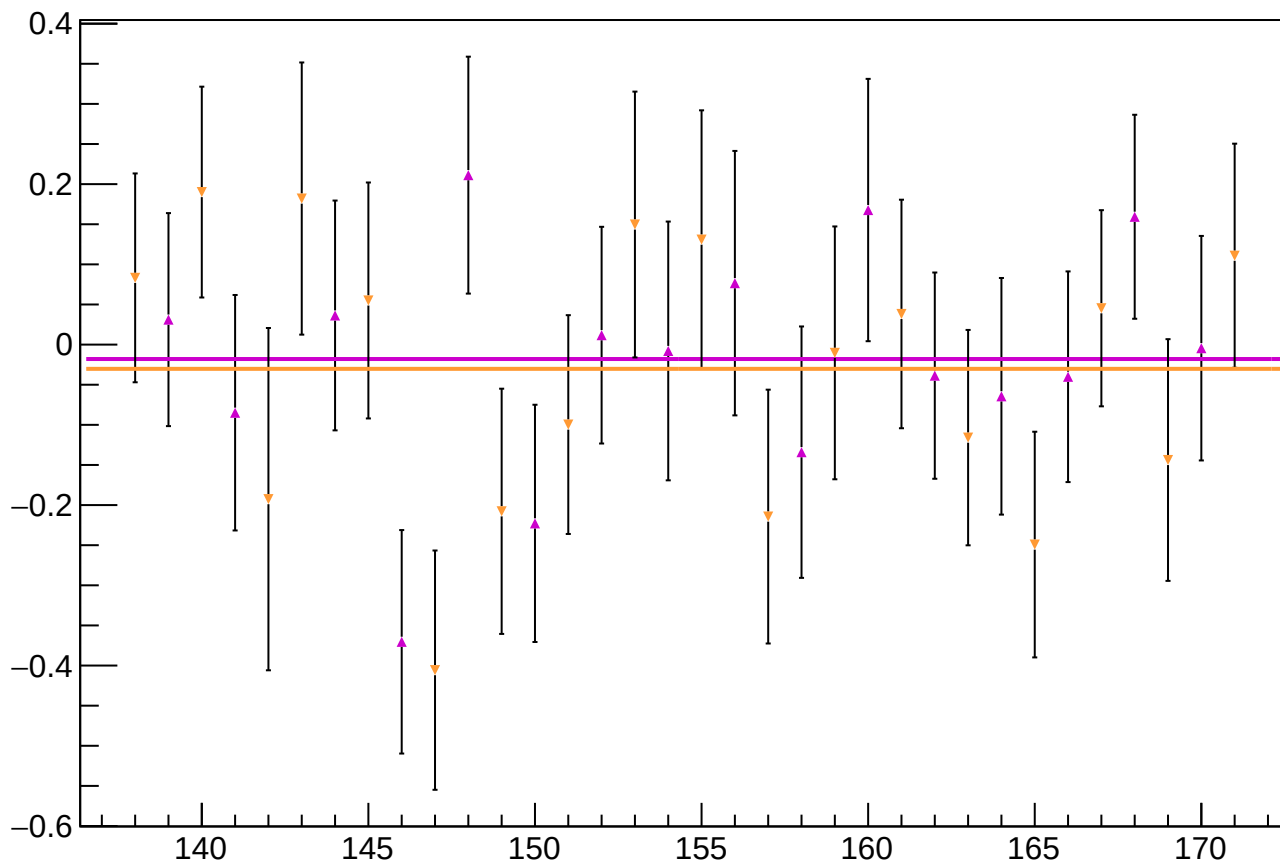
Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:28.8/15

+ sign -0.010 $\pm$ 0.001 χ^2 /NDF: 28.8/32

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11950.6/66

- sign -0.011 $\pm$ 0.001 χ^2 /NDF: 11921.0/33

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.030 $\pm$ 0.035 χ^2 /NDF:22.6/17

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

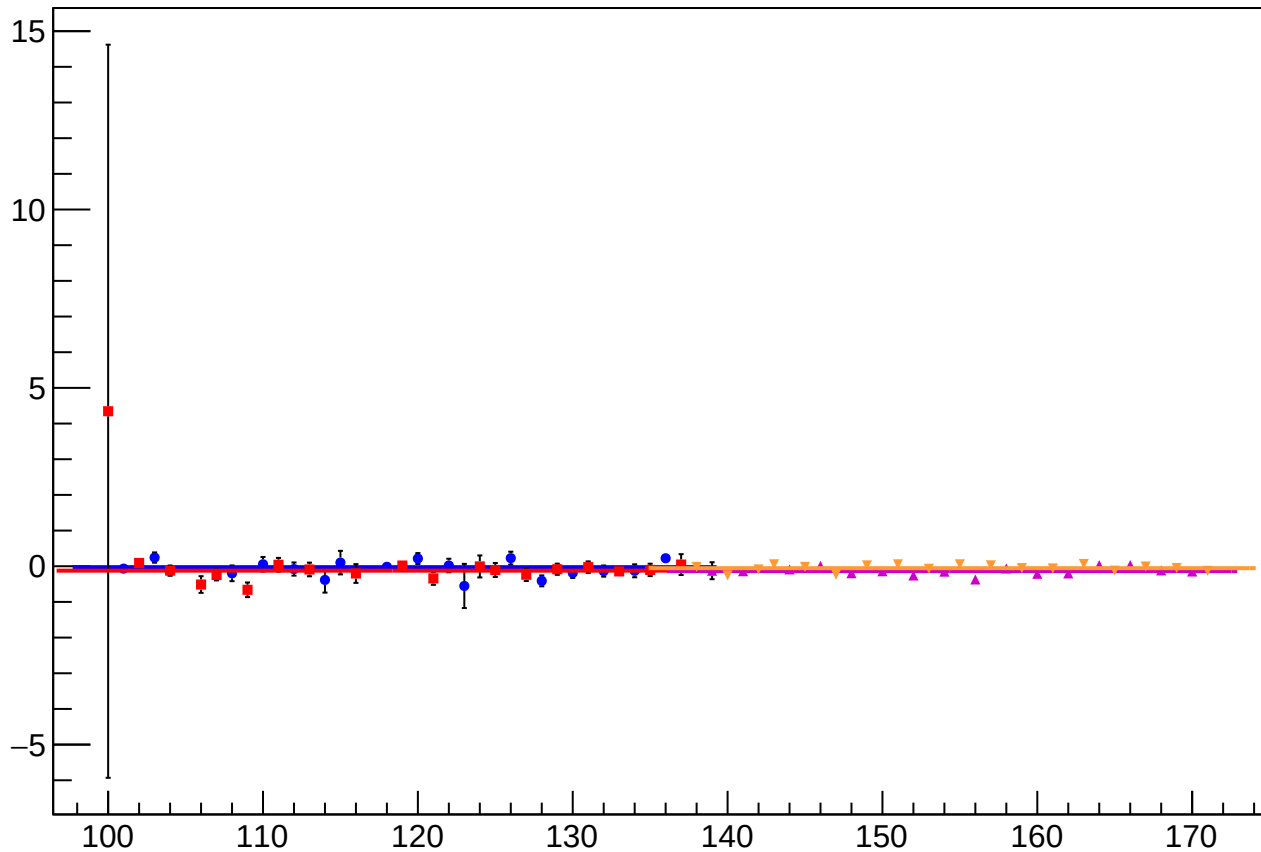
Left In: -0.018 $\pm$ 0.036 χ^2 /NDF:15.6/15

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

All: -0.024 $\pm$ 0.025 χ^2 /NDF: 38.2/33

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

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.054 ± 0.025 χ^2/NDF : 17.0/17

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

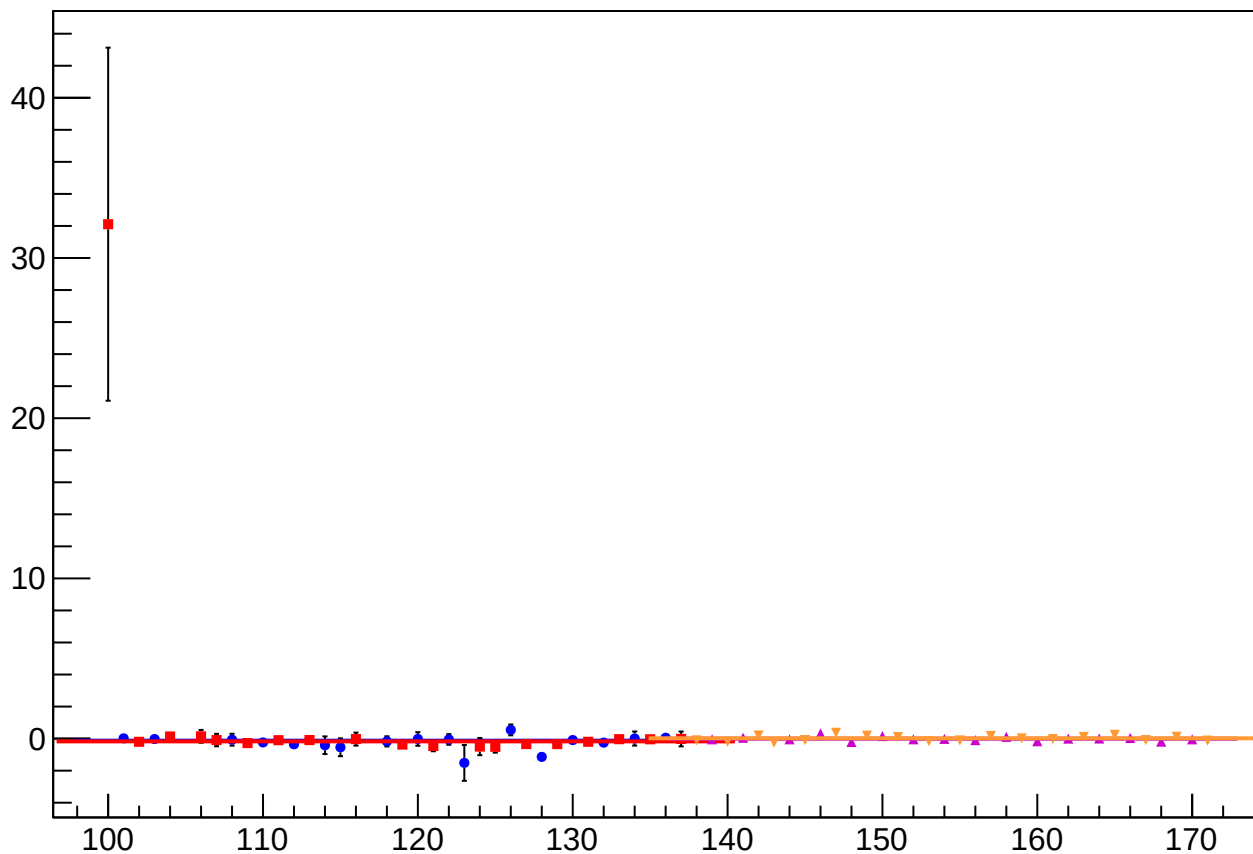
Left In: -0.135 ± 0.026 χ^2/NDF : 15.1/15

+ sign -0.045 ± 0.021 χ^2/NDF : 40.2/34

All: -0.086 ± 0.015 χ^2/NDF : 82.0/69

- sign -0.132 ± 0.022 χ^2/NDF : 33.5/34

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.020 ± 0.034 χ^2/NDF : 22.4/17

Right Out: -0.172 ± 0.071 χ^2/NDF : 14.9/18

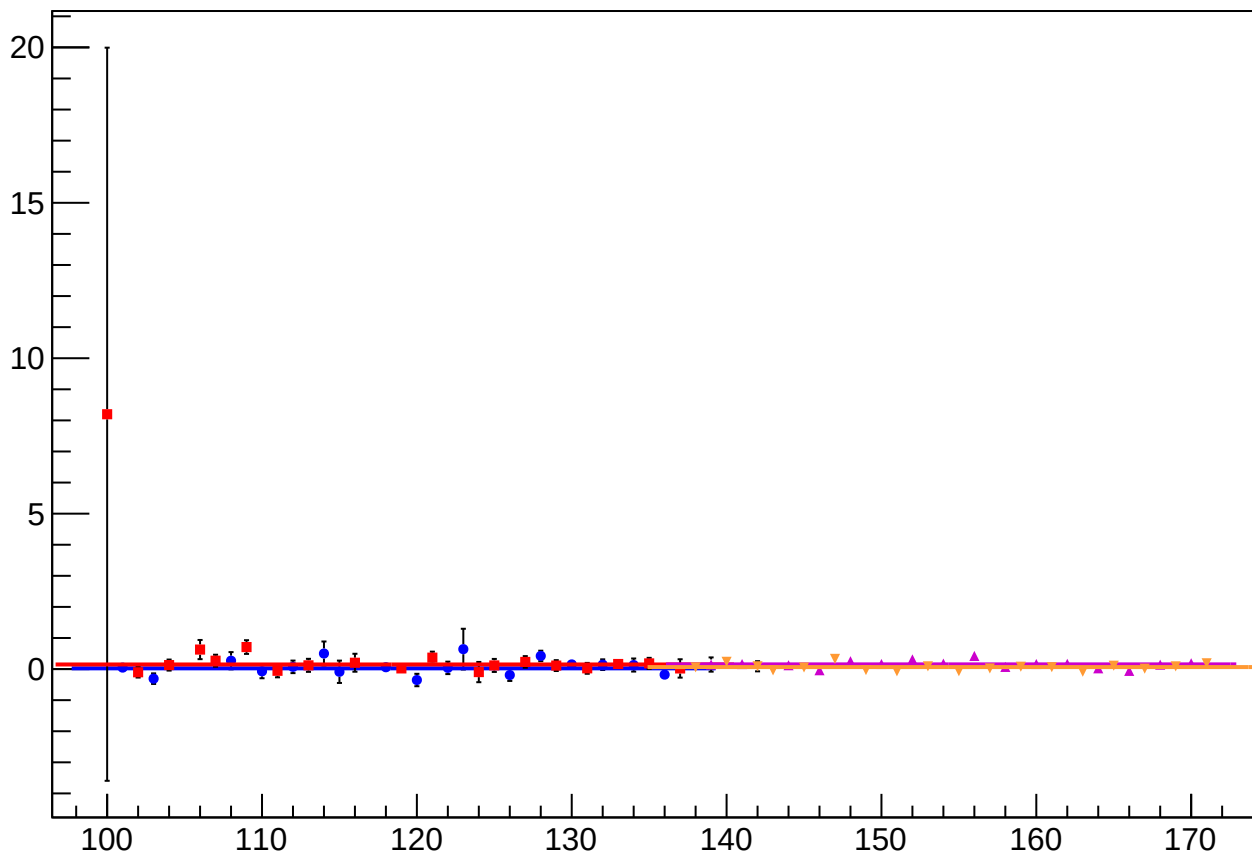
Left In: -0.007 ± 0.035 χ^2/NDF : 14.2/15

+ sign -0.011 ± 0.030 χ^2/NDF : 49.4/34

All: -0.025 ± 0.022 χ^2/NDF : 83.3/69

- sign -0.039 ± 0.031 χ^2/NDF : 33.5/34

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.064 ± 0.029 χ^2/NDF : 16.6/17

Right Out: 0.148 ± 0.045 χ^2/NDF : 16.6/18

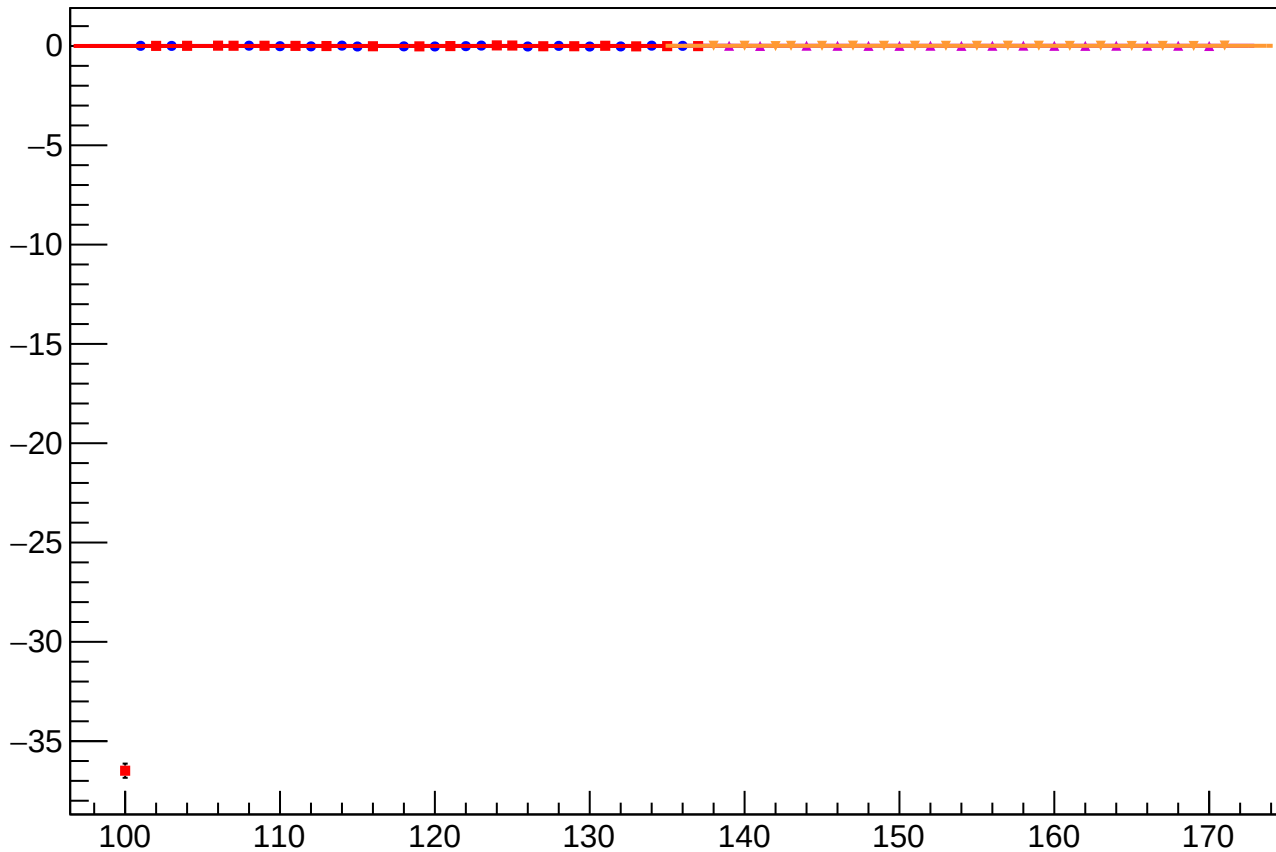
Left In: 0.151 ± 0.030 χ^2/NDF : 14.8/15

+ sign 0.051 ± 0.024 χ^2/NDF : 38.6/34

All: 0.098 ± 0.017 χ^2/NDF : 78.2/69

- sign 0.150 ± 0.025 χ^2/NDF : 31.5/34

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.010 $\pm$ 0.001 χ^2 /NDF: 16.9/17

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

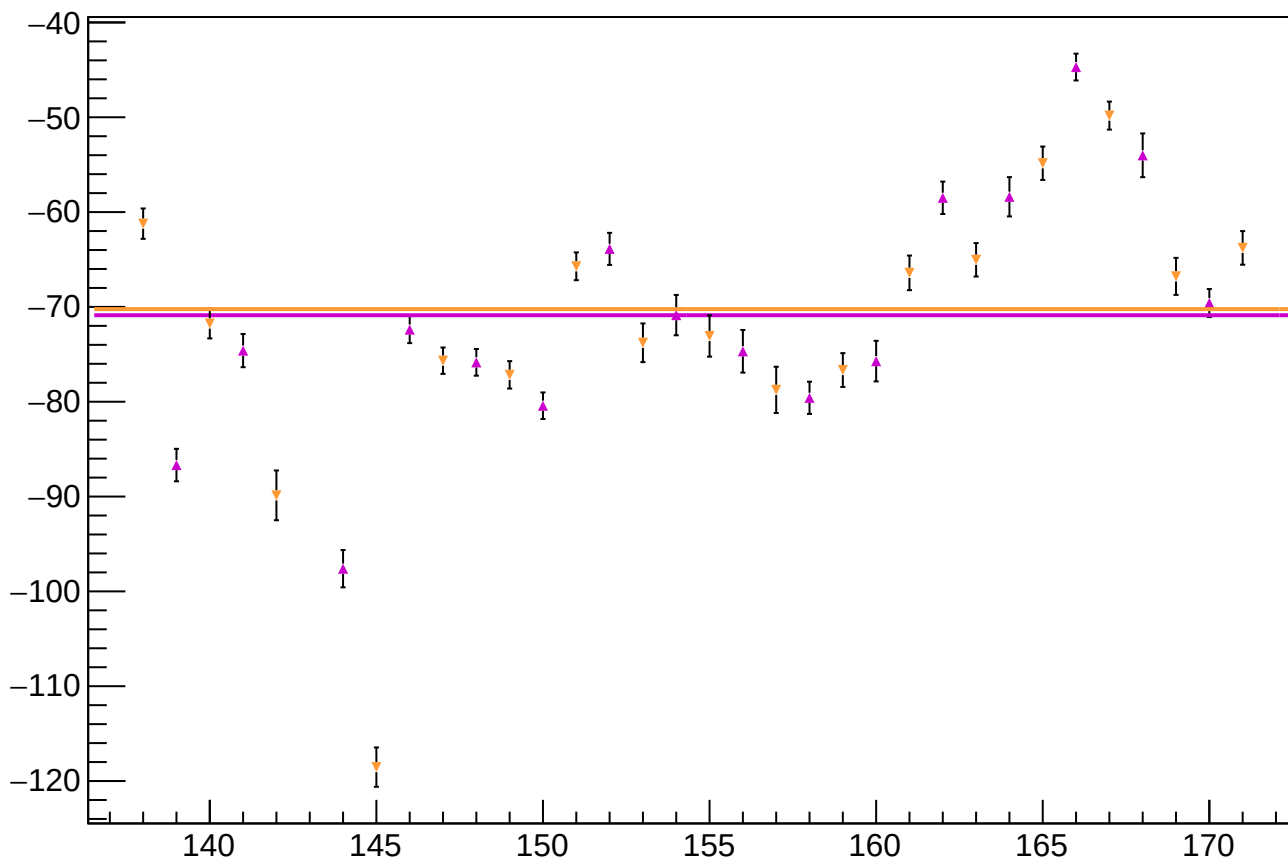
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 9.5/15

+ sign 0.008 $\pm$ 0.001 χ^2 /NDF: 58.2/34

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10529.6/69

- sign 0.008 $\pm$ 0.001 χ^2 /NDF: 10471.4/34

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -70.232 $\pm$ 0.425 χ^2 /NDF:1004.5/16

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

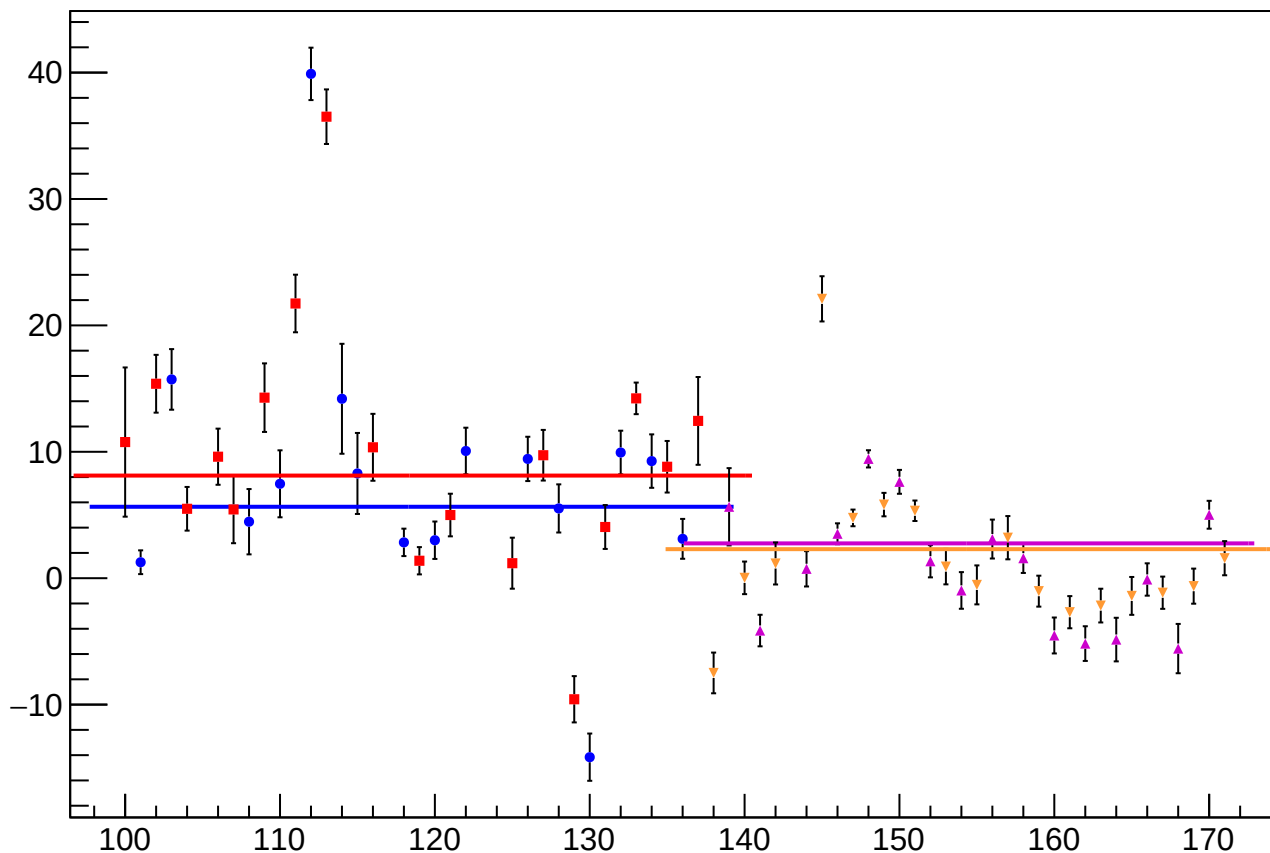
Left In: -70.876 $\pm$ 0.427 χ^2 /NDF:872.5/15

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

All: -70.553 $\pm$ 0.301 χ^2 /NDF: 1878.2/32

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

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 2.297 ± 0.290 χ^2/NDF : 262.3/16

Right Out: 8.119 ± 0.453 χ^2/NDF : 407.9/17

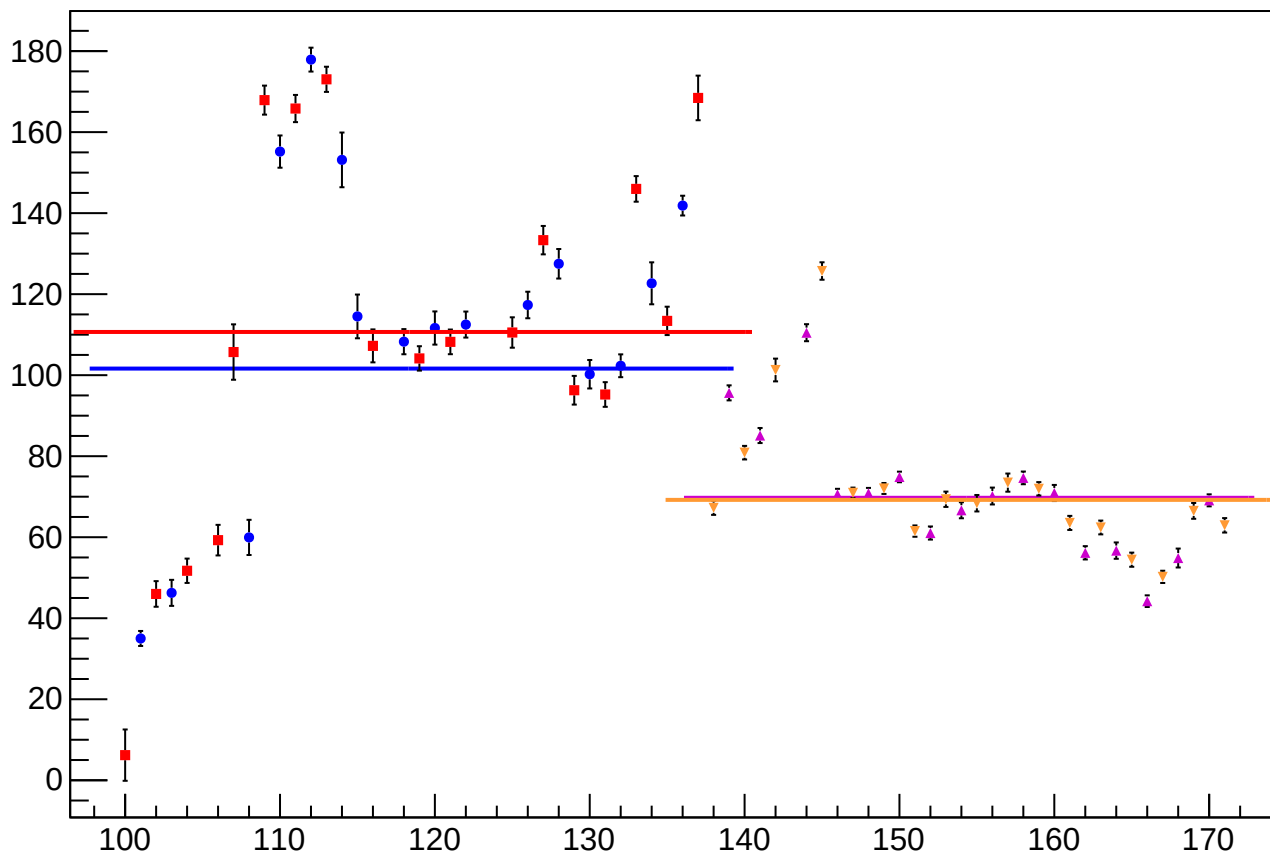
Left In: 2.755 ± 0.297 χ^2/NDF : 272.5/15

+ sign 3.349 ± 0.240 χ^2/NDF : 766.2/32

All: 3.843 ± 0.173 χ^2/NDF : 1553.4/66

- sign 4.373 ± 0.249 χ^2/NDF : 778.5/33

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 69.217 $\pm$ 0.416 χ^2 /NDF:1180.8/16

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

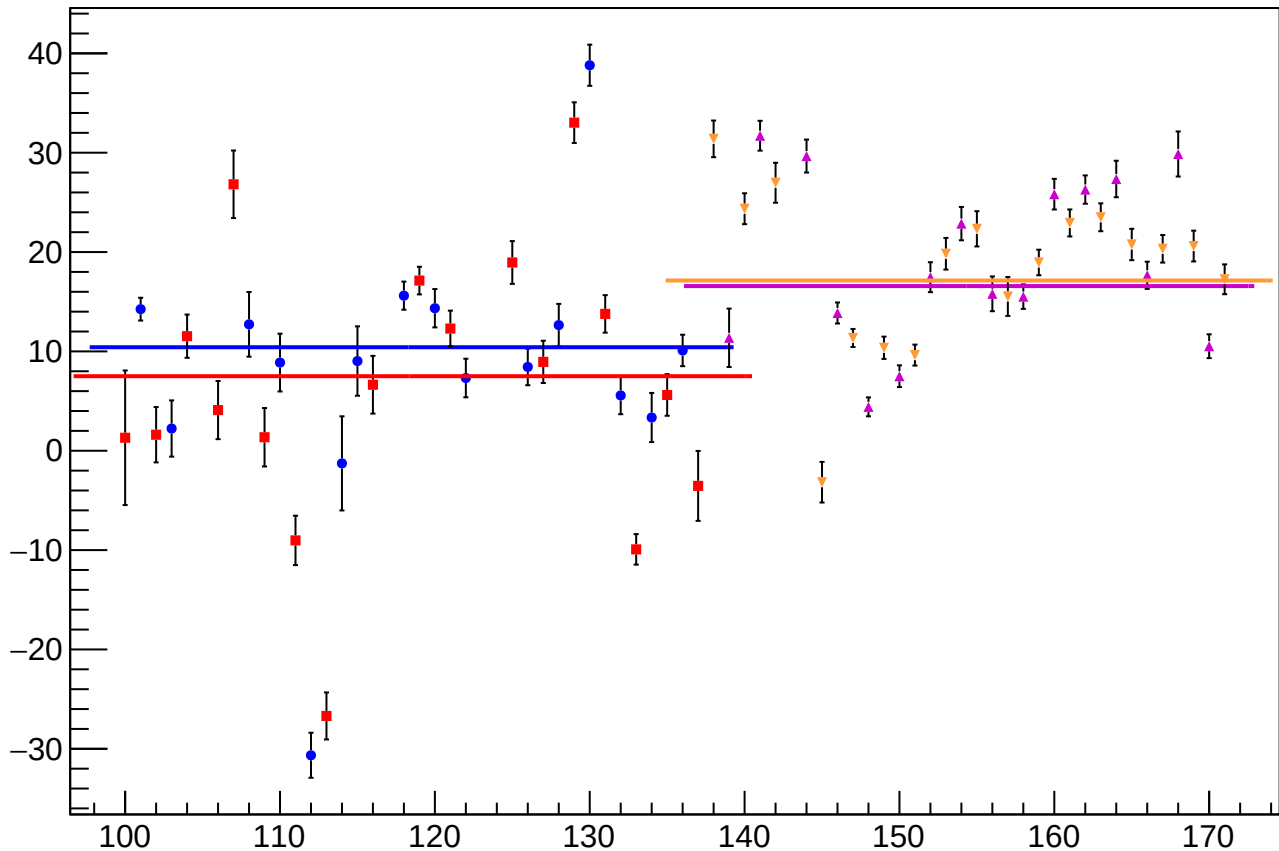
Left In: 69.731 $\pm$ 0.416 χ^2 /NDF:1162.1/15

+ sign 75.951 $\pm$ 0.370 χ^2 /NDF: 5423.2/32

All: 76.901 $\pm$ 0.263 χ^2 /NDF: 11033.6/66

- sign 77.864 $\pm$ 0.373 χ^2 /NDF: 5597.2/33

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 17.136 ± 0.343 $\chi^2/\text{NDF}: 399.7/16$

Right Out: 7.502 ± 0.523 $\chi^2/\text{NDF}: 689.4/17$

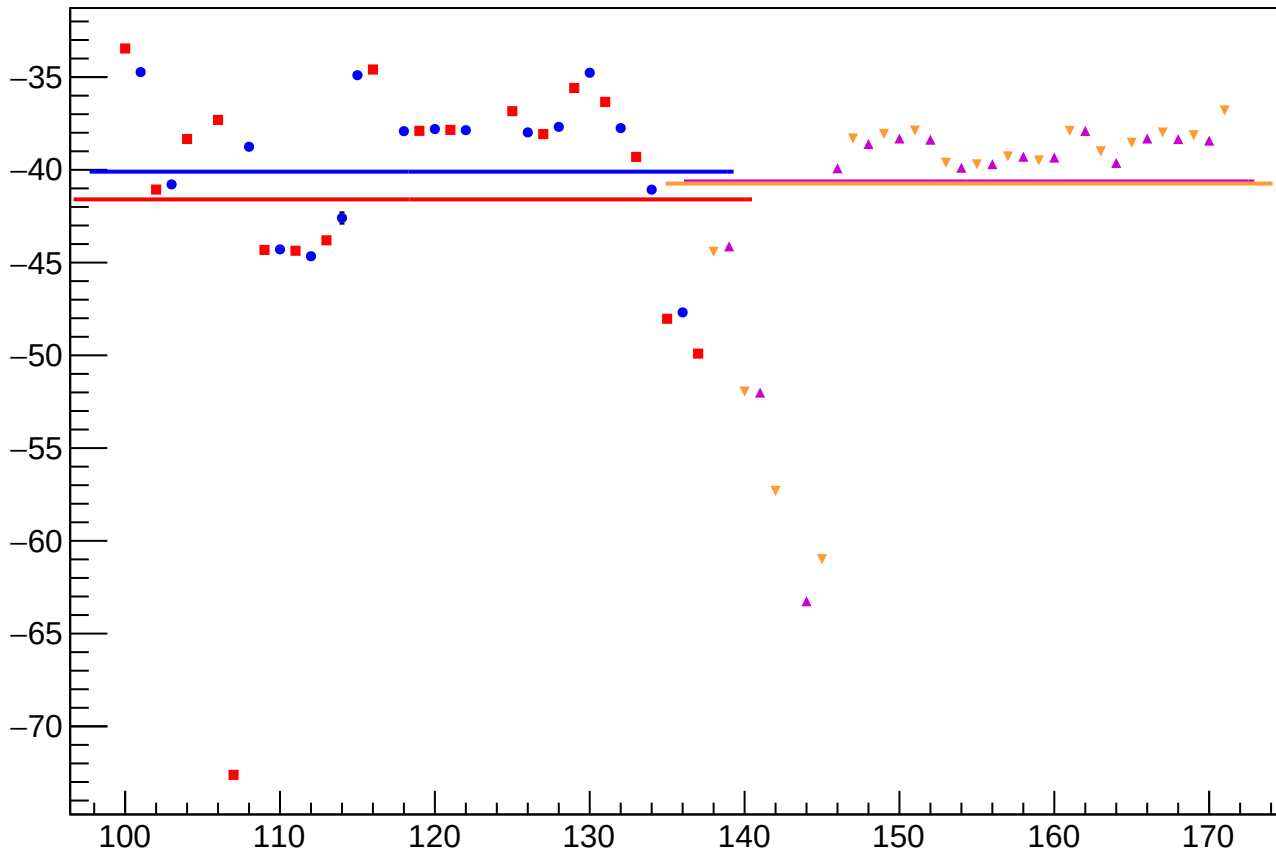
Left In: 16.575 ± 0.350 $\chi^2/\text{NDF}: 597.1/15$

+ sign 14.972 ± 0.282 $\chi^2/\text{NDF}: 1103.0/32$

All: 14.389 ± 0.203 $\chi^2/\text{NDF}: 2606.1/66$

- sign 13.770 ± 0.291 $\chi^2/\text{NDF}: 1494.3/33$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -40.738 ± 0.016 $\chi^2/\text{NDF}: 121969.1/16$

Right Out: -41.592 ± 0.029 $\chi^2/\text{NDF}: 61677.7/17$

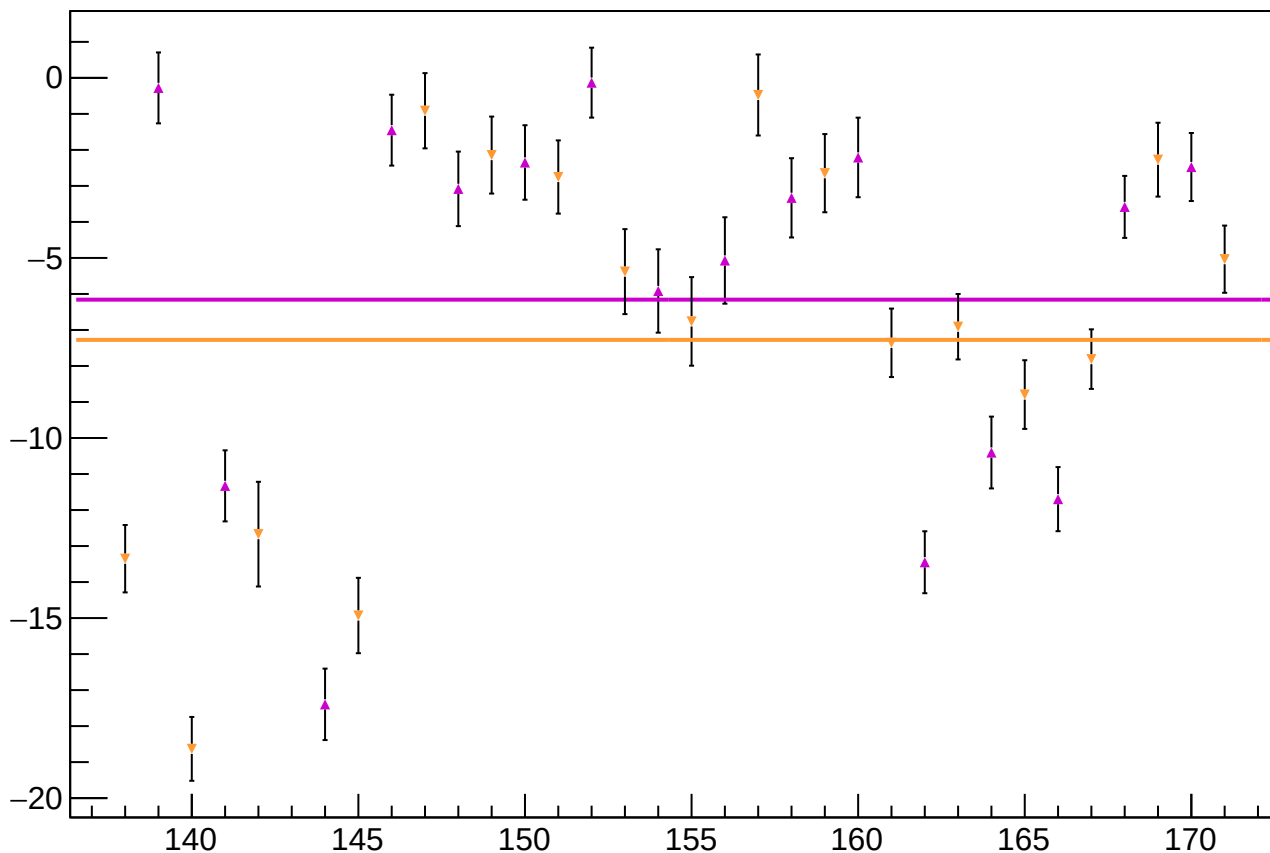
Left In: -40.626 ± 0.017 $\chi^2/\text{NDF}: 97015.9/15$

+ sign -40.576 ± 0.014 $\chi^2/\text{NDF}: 147424.1/32$

All: -40.721 ± 0.010 $\chi^2/\text{NDF}: 307182.6/66$

- sign -40.867 ± 0.014 $\chi^2/\text{NDF}: 159550.6/33$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -7.275 $\pm$ 0.246 χ^2 /NDF:443.6/16

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

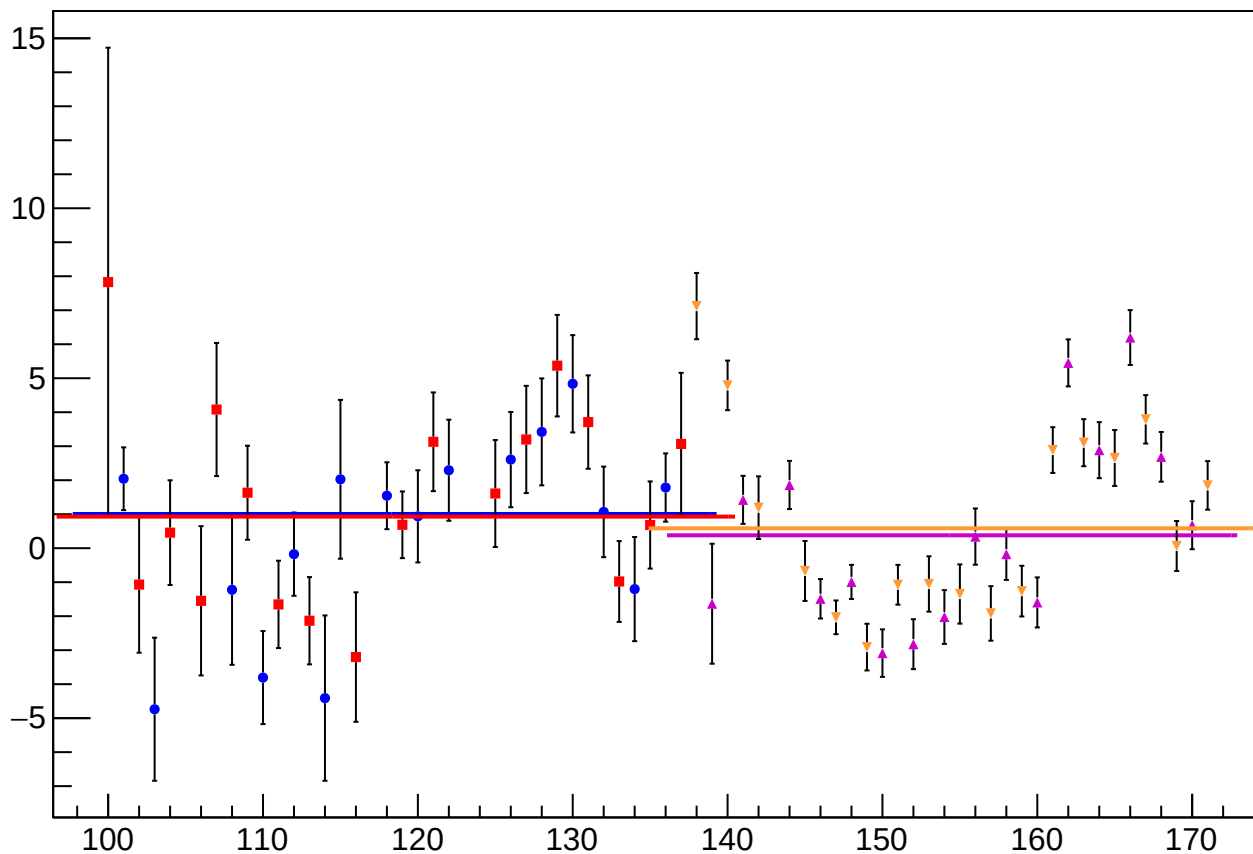
Left In: -6.158 $\pm$ 0.248 χ^2 /NDF:448.4/15

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

All: -6.722 $\pm$ 0.175 χ^2 /NDF: 902.2/32

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

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: 0.584 ± 0.176 χ^2/NDF : 222.6/16

Right Out: 0.929 ± 0.353 χ^2/NDF : 41.9/17

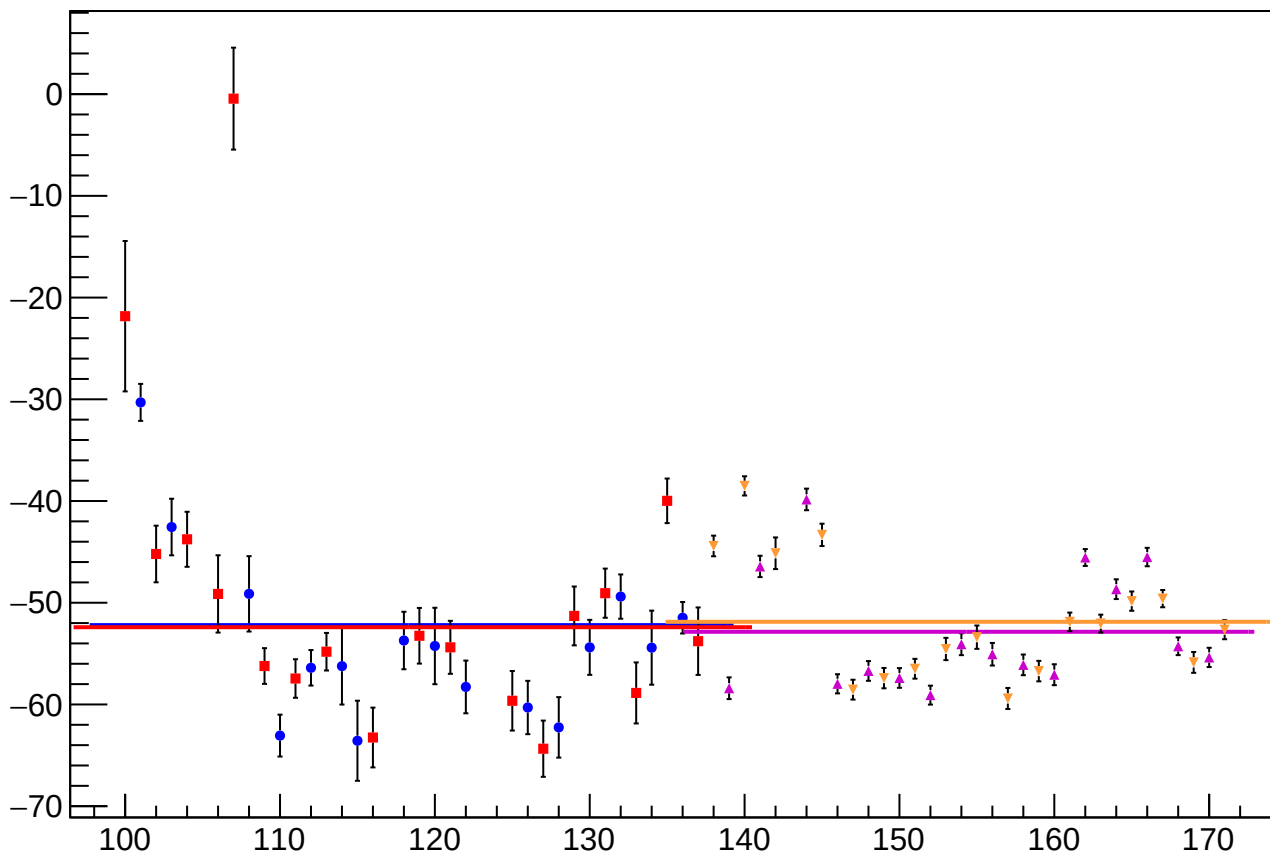
Left In: 0.379 ± 0.180 χ^2/NDF : 211.3/15

+ sign 0.673 ± 0.157 χ^2/NDF : 266.6/32

All: 0.585 ± 0.112 χ^2/NDF : 522.3/66

- sign 0.493 ± 0.161 χ^2/NDF : 255.1/33

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -51.873 ± 0.242 χ^2/NDF : 544.9/16

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

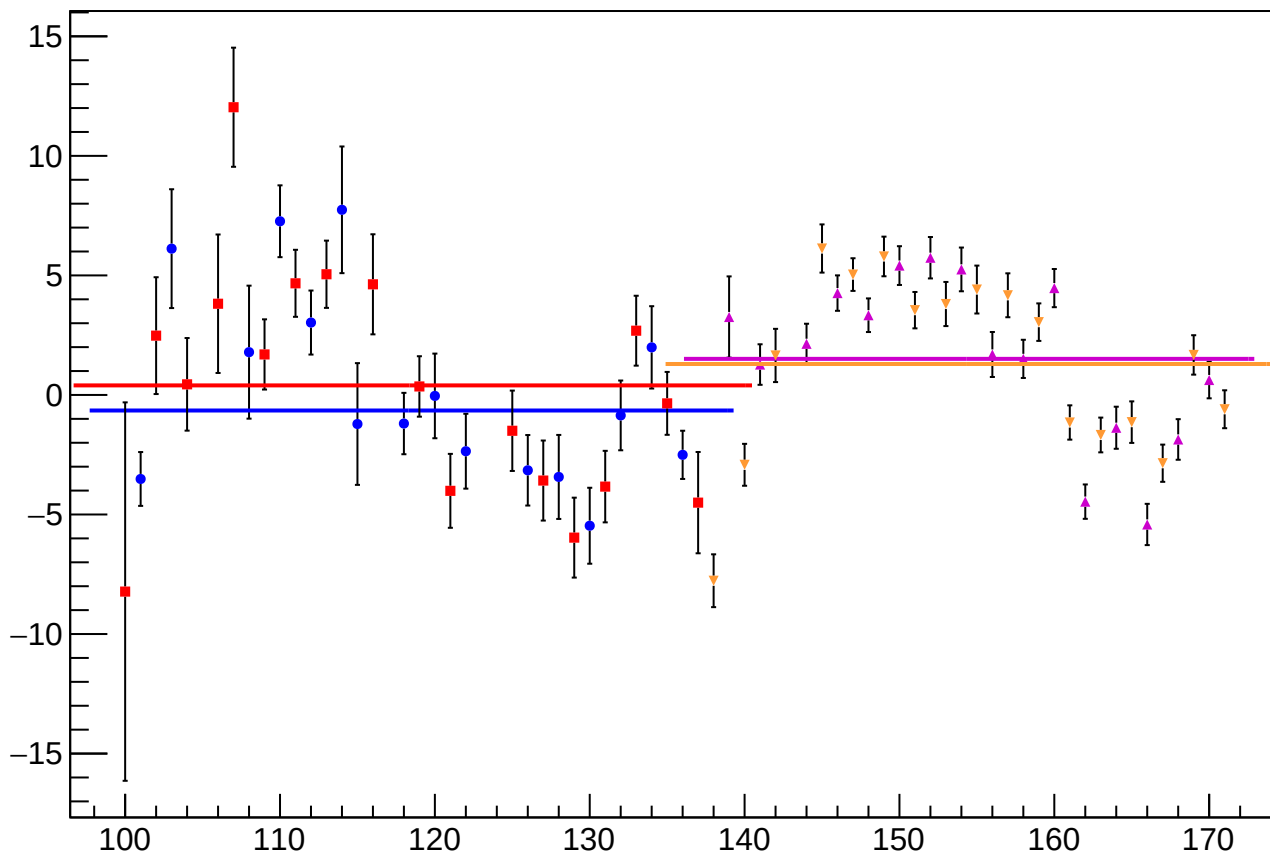
Left In: -52.856 ± 0.244 χ^2/NDF : 531.3/15

+ sign -51.917 ± 0.225 χ^2/NDF : 775.7/32

All: -52.354 ± 0.160 χ^2/NDF : 1549.0/66

- sign -52.795 ± 0.227 χ^2/NDF : 765.7/33

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651±/0.387 χ^2/NDF : 81.9/15

Left Out: 1.294±/0.204 χ^2/NDF : 284.0/16

Right Out: 0.400±/0.399 χ^2/NDF : 95.9/17

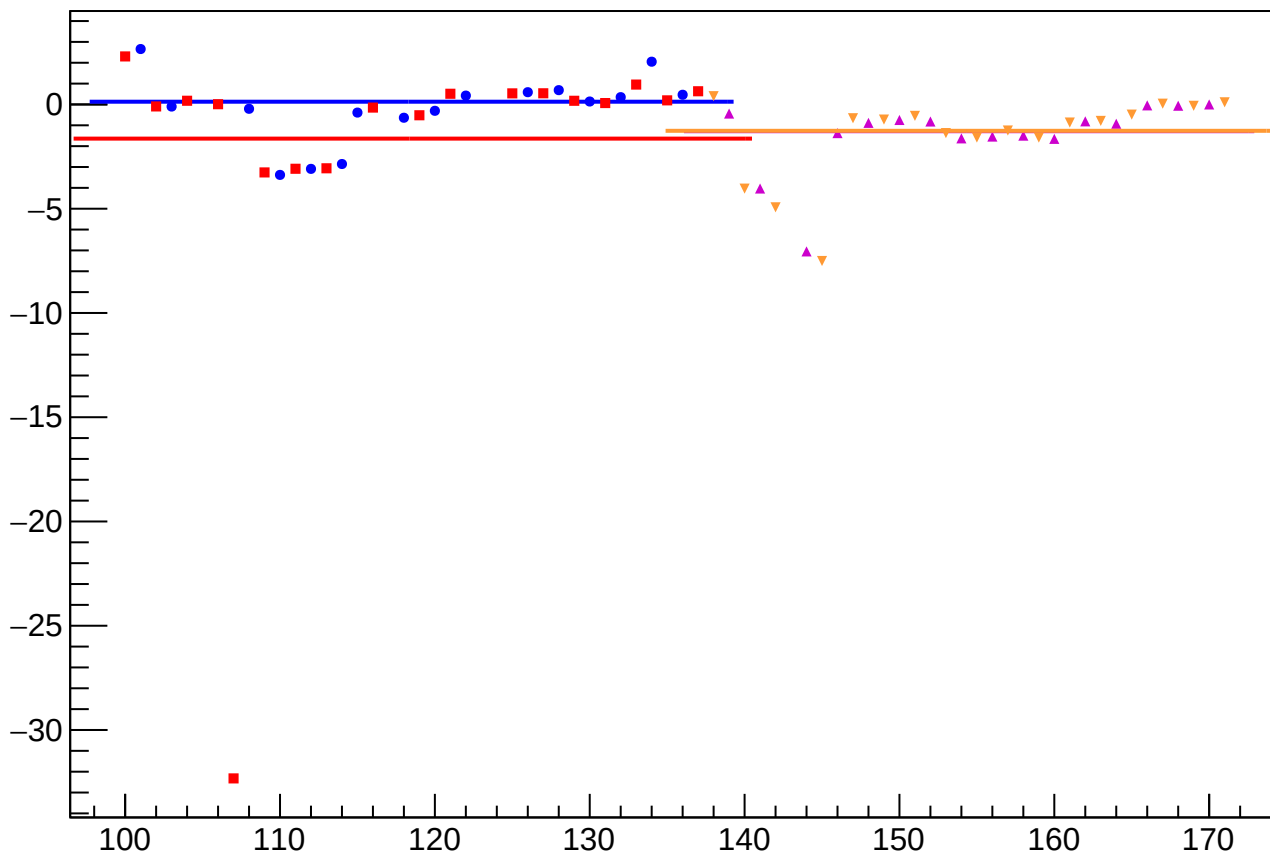
Left In: 1.510±/0.209 χ^2/NDF : 261.0/15

+ sign 0.872±/0.180 χ^2/NDF : 385.7/32

All: 1.067±/0.129 χ^2/NDF : 751.0/66

- sign 1.272±/0.185 χ^2/NDF : 362.9/33

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.264 ± 0.009 $\chi^2/\text{NDF}: 36289.5/16$

Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$

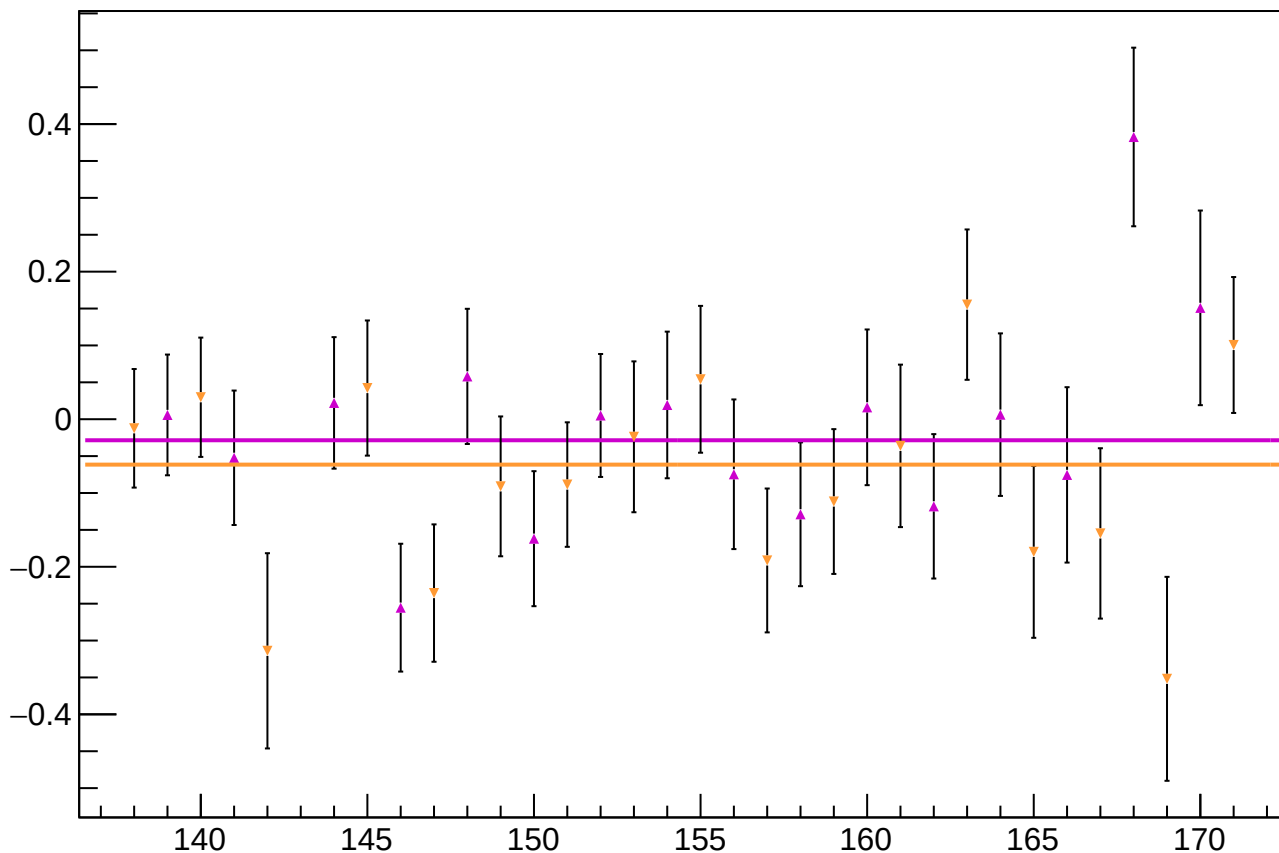
Left In: -1.284 ± 0.010 $\chi^2/\text{NDF}: 24883.1/15$

+ sign -1.040 ± 0.009 $\chi^2/\text{NDF}: 45054.8/32$

All: -1.188 ± 0.006 $\chi^2/\text{NDF}: 148605.2/66$

- sign -1.340 ± 0.009 $\chi^2/\text{NDF}: 102952.7/33$

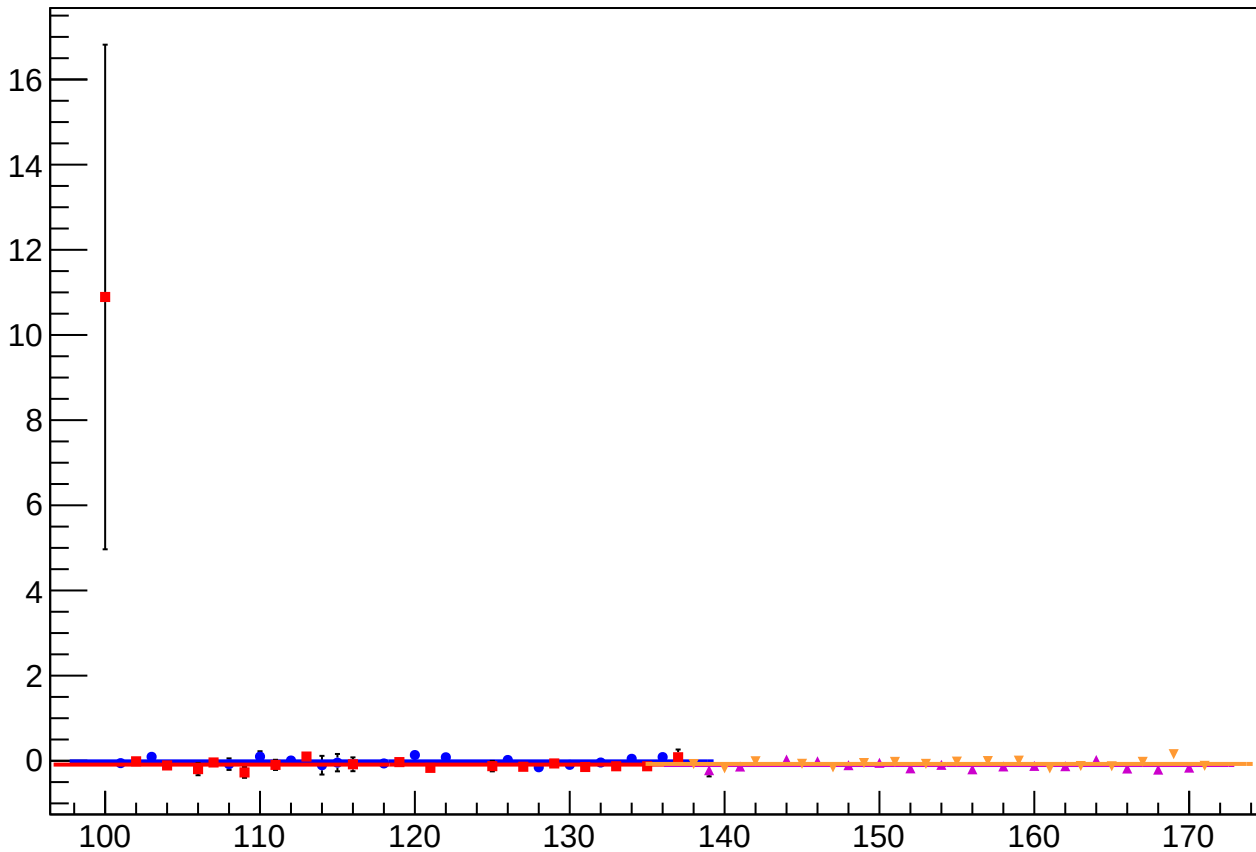
reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.062 $\pm$ 0.024 χ^2 /NDF: 27.6/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.029 $\pm$ 0.024 χ^2 /NDF: 26.8/15

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.045 $\pm$ 0.017 χ^2 /NDF: 55.3/32
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.074 ± 0.017 χ^2/NDF : 18.8/16

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

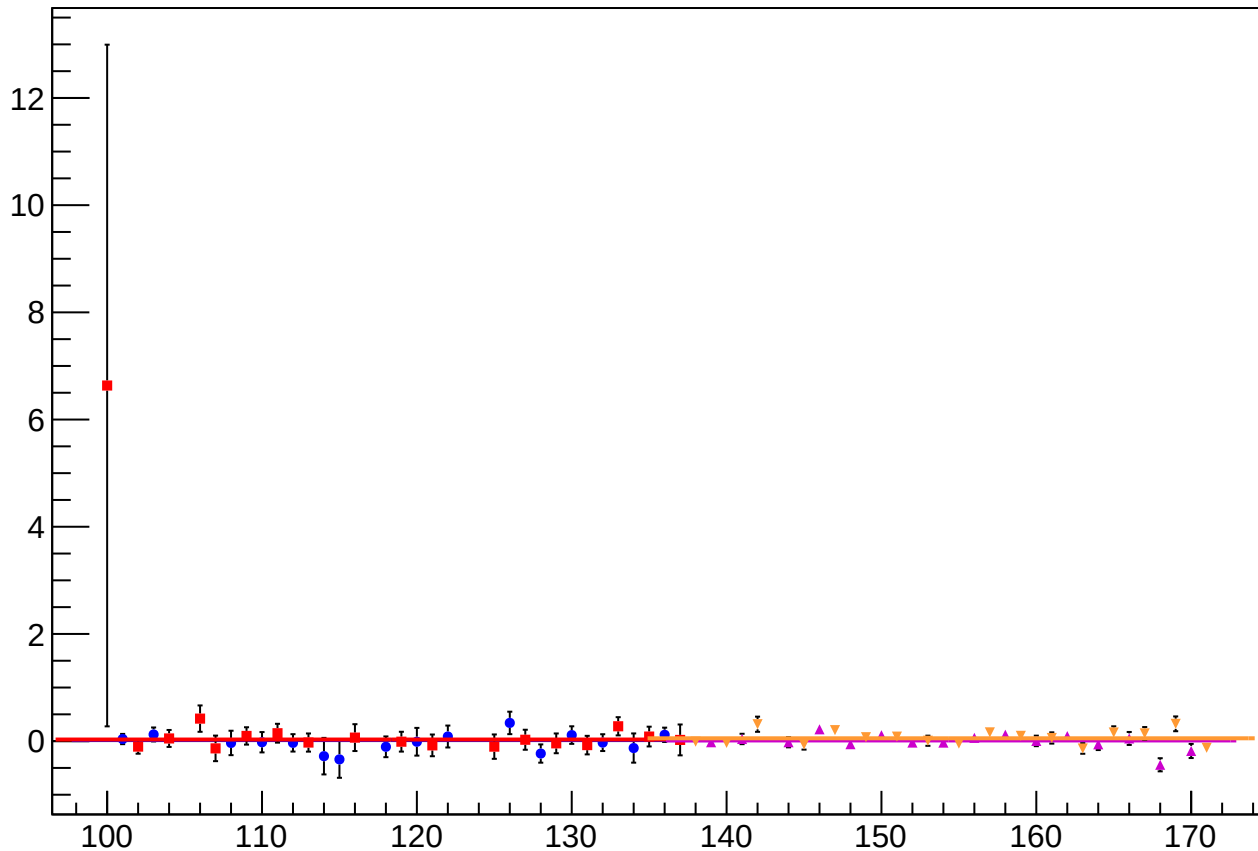
Left In: -0.099 ± 0.017 χ^2/NDF : 16.3/15

+ sign -0.053 ± 0.014 χ^2/NDF : 34.8/32

All: -0.074 ± 0.010 χ^2/NDF : 68.9/66

- sign -0.096 ± 0.014 χ^2/NDF : 29.4/33

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.053 $\pm$ 0.023 χ^2 /NDF:25.5/16

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

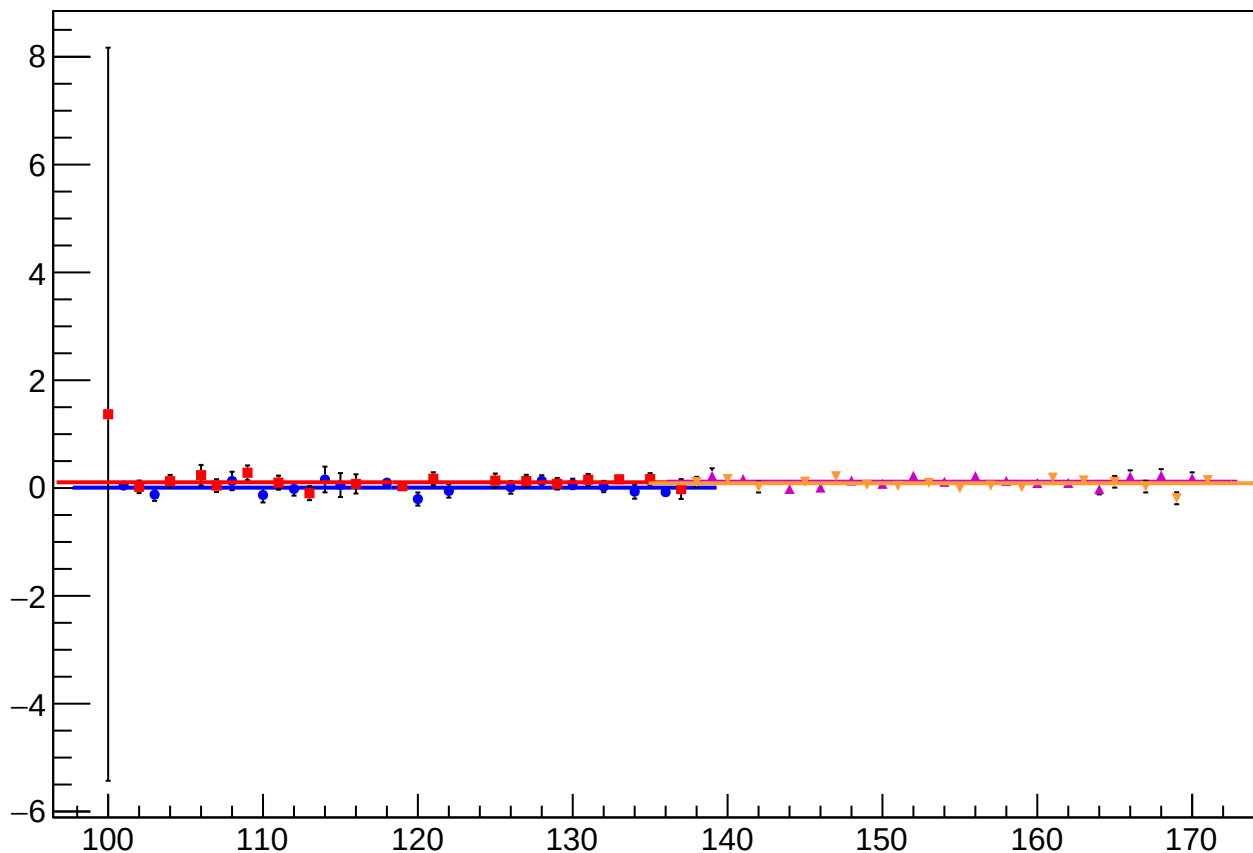
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF:27.9/15

+ sign 0.045 $\pm$ 0.021 χ^2 /NDF: 35.0/32

All: 0.031 $\pm$ 0.015 χ^2 /NDF: 73.2/66

- sign 0.017 $\pm$ 0.021 χ^2 /NDF: 37.3/33

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.089 $\pm$ 0.020 χ^2 /NDF: 18.8/16

Right Out: 0.107 $\pm$ 0.029 χ^2 /NDF: 8.2/17

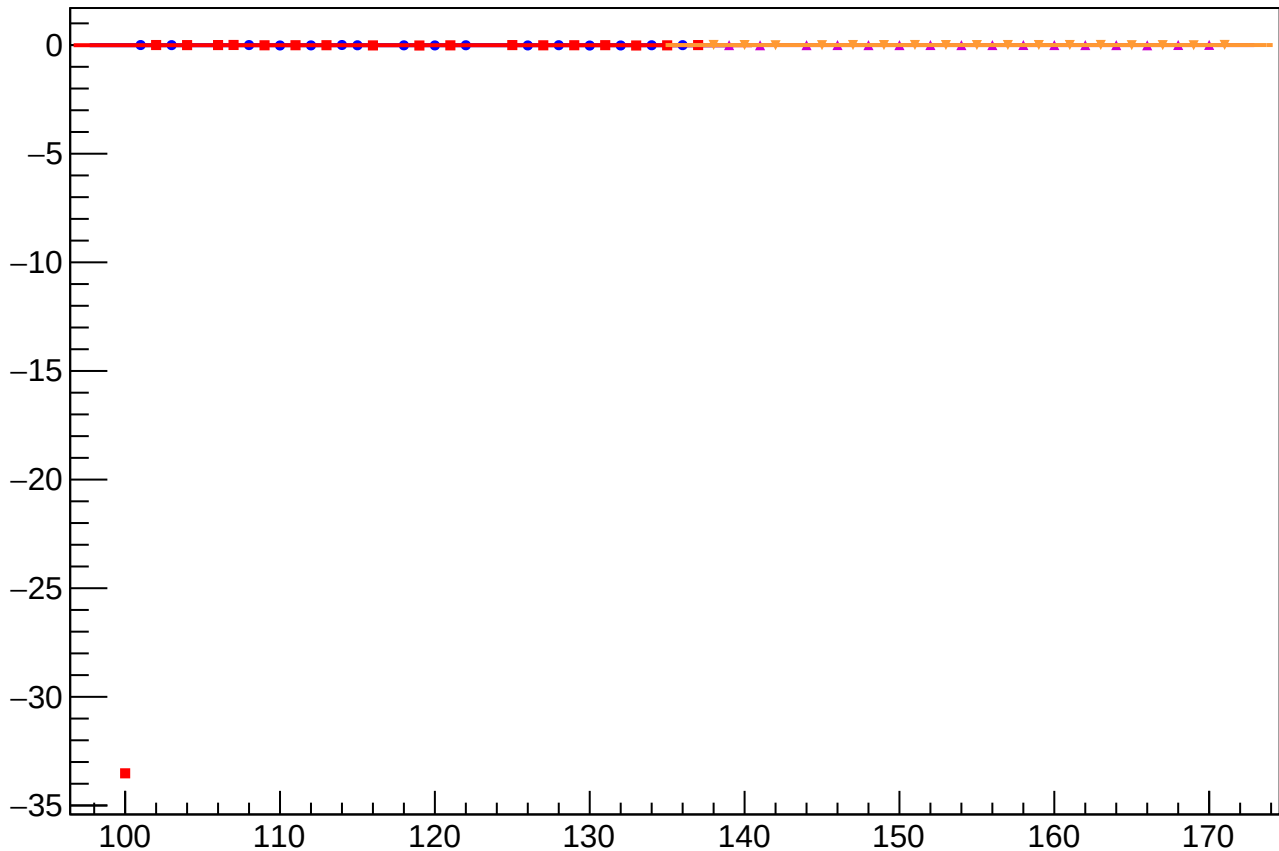
Left In: 0.118 $\pm$ 0.020 χ^2 /NDF: 15.4/15

+ sign 0.061 $\pm$ 0.016 χ^2 /NDF: 36.0/32

All: 0.086 $\pm$ 0.011 χ^2 /NDF: 65.1/66

- sign 0.114 $\pm$ 0.017 χ^2 /NDF: 23.7/33

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 17.4/16

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.7/17

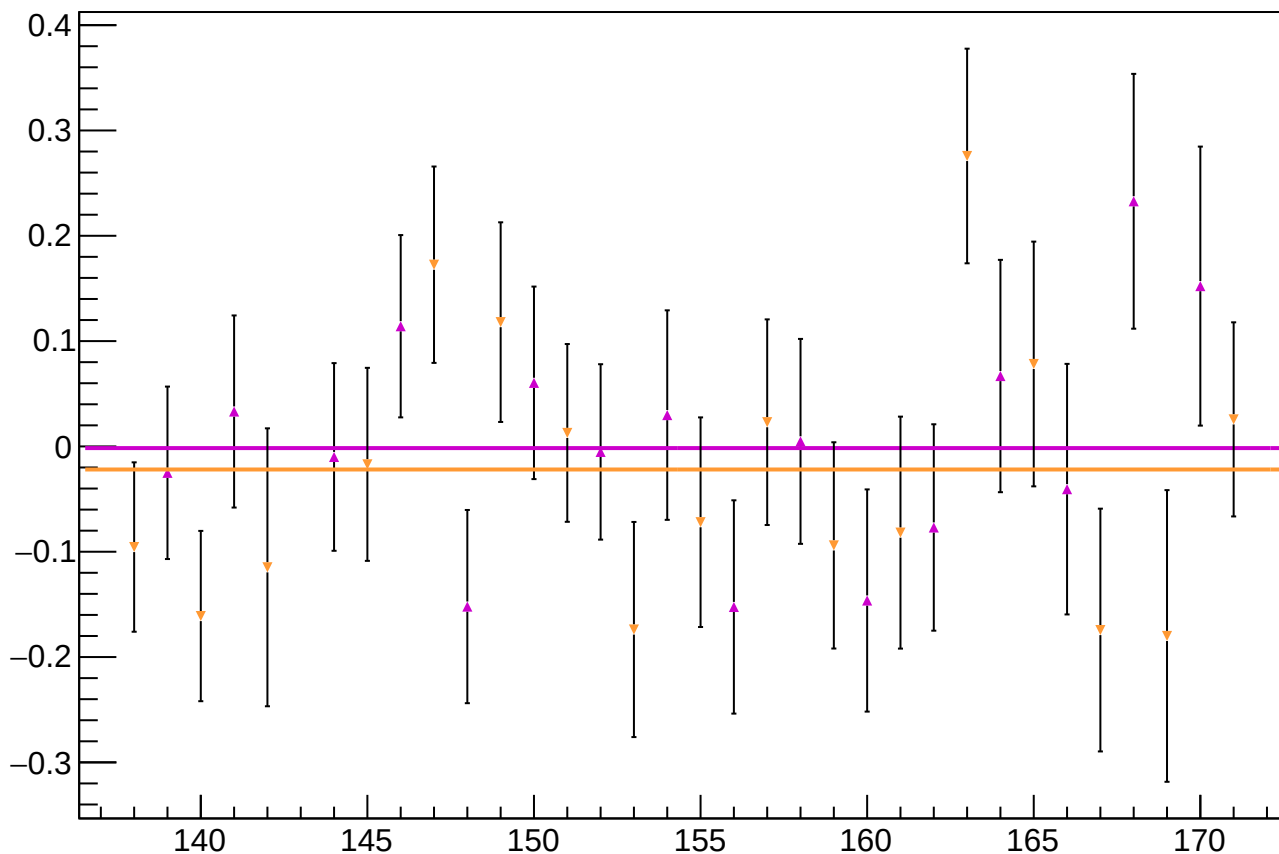
Left In: 0.000 ± 0.001 χ^2/NDF : 15.0/15

+ sign -0.001 ± 0.001 χ^2/NDF : 53.5/32

All: -0.001 ± 0.001 χ^2/NDF : 26590.9/66

- sign -0.001 ± 0.001 χ^2/NDF : 26537.0/33

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.022 $\pm$ 0.024 χ^2/NDF : 27.1/16

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

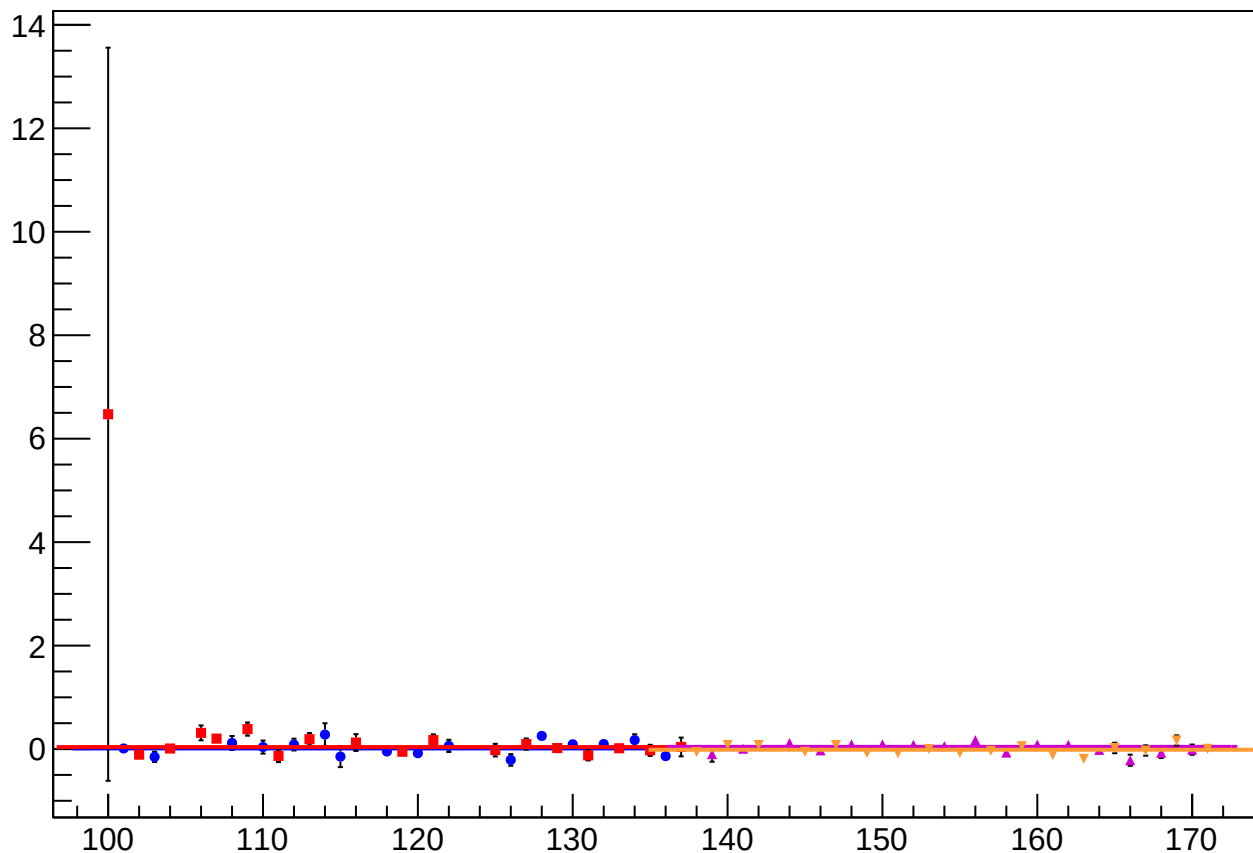
Left In: -0.002 $\pm$ 0.024 χ^2/NDF : 15.6/15

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

All: -0.012 $\pm$ 0.017 χ^2/NDF : 43.0/32

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

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.013 ± 0.017 χ^2/NDF : 23.0/16

Right Out: 0.038 ± 0.025 χ^2/NDF : 28.4/17

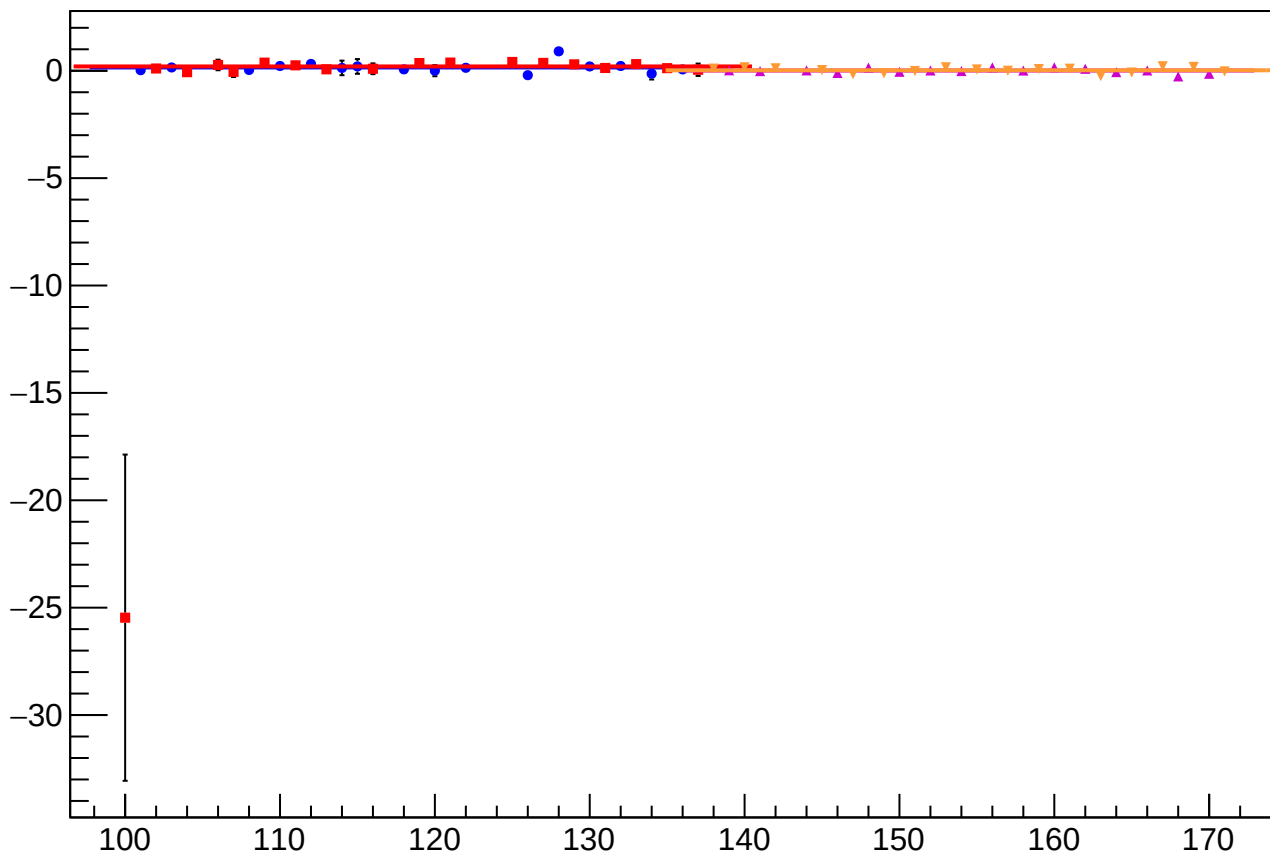
Left In: 0.042 ± 0.017 χ^2/NDF : 21.0/15

+ sign -0.004 ± 0.014 χ^2/NDF : 48.8/32

All: 0.017 ± 0.010 χ^2/NDF : 103.6/66

- sign 0.041 ± 0.014 χ^2/NDF : 49.5/33

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

Left Out: 0.022 $\pm$ 0.023 χ^2 /NDF: 26.6/16

Right Out: 0.201 $\pm$ 0.045 χ^2 /NDF: 22.6/17

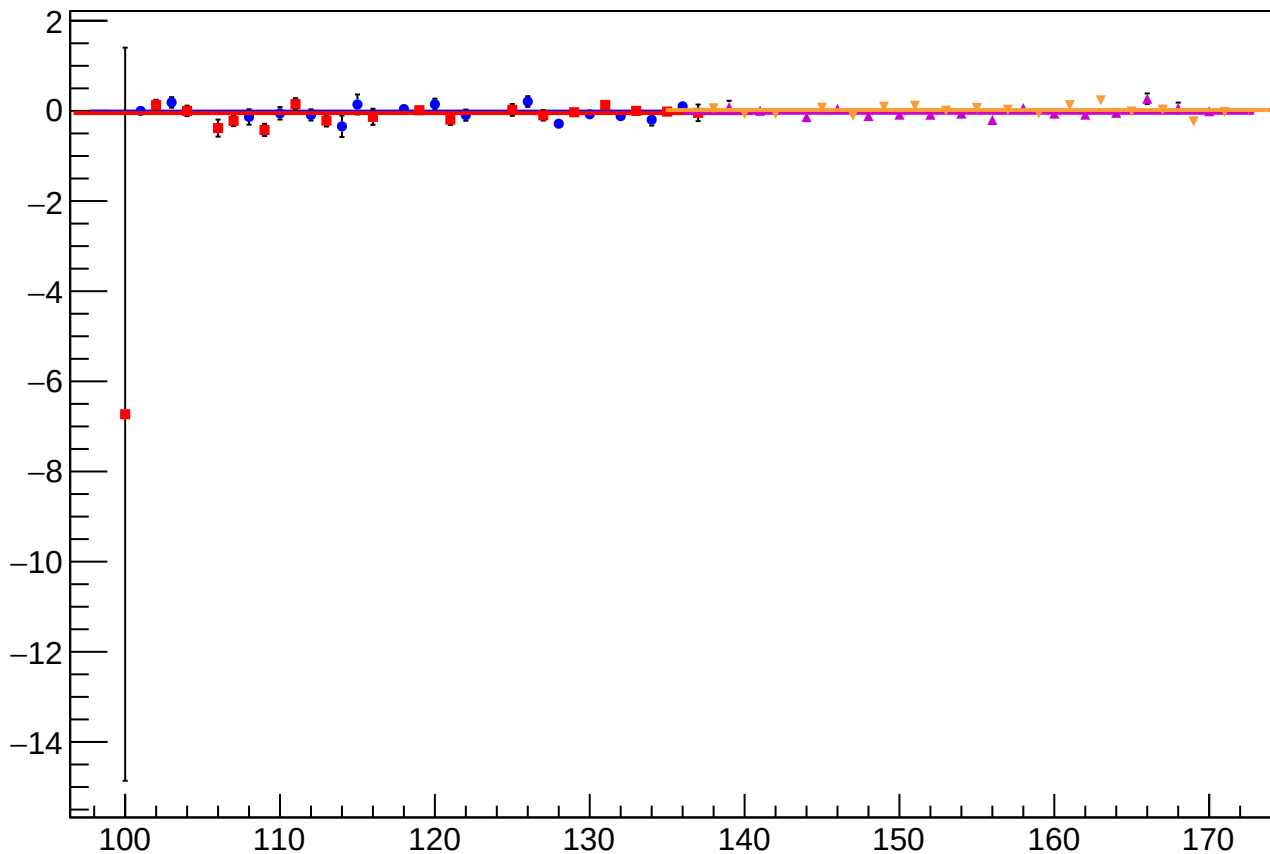
Left In: 0.010 $\pm$ 0.024 χ^2 /NDF: 17.2/15

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 61.9/32

All: 0.052 $\pm$ 0.015 χ^2 /NDF: 115.7/66

- sign 0.052 $\pm$ 0.021 χ^2 /NDF: 53.8/33

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.018 ± 0.020 χ^2/NDF : 26.0/16

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

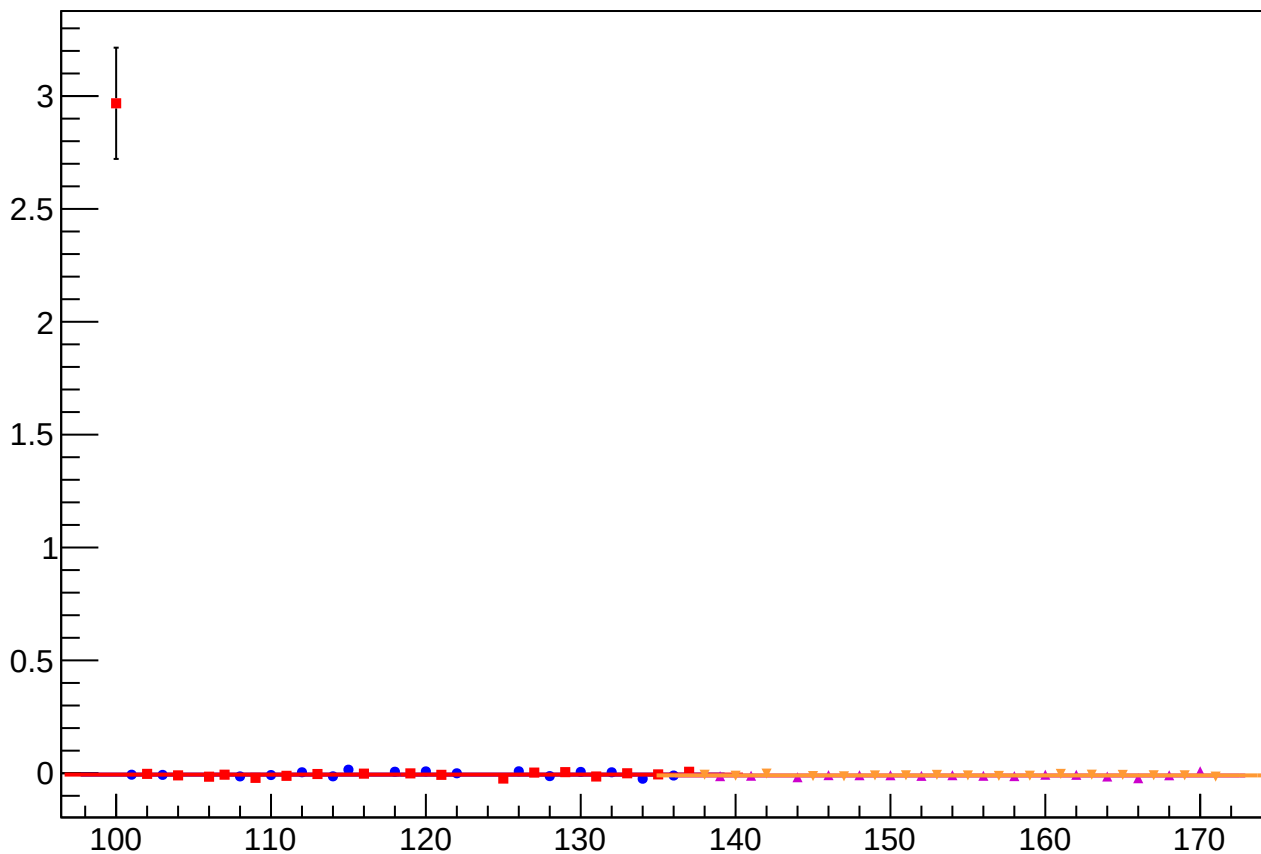
Left In: -0.041 ± 0.020 χ^2/NDF : 21.4/15

+ sign 0.007 ± 0.016 χ^2/NDF : 51.4/32

All: -0.018 ± 0.011 χ^2/NDF : 103.5/66

- sign -0.044 ± 0.017 χ^2/NDF : 47.4/33

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.010 ± 0.001 χ^2/NDF : 12.2/16

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

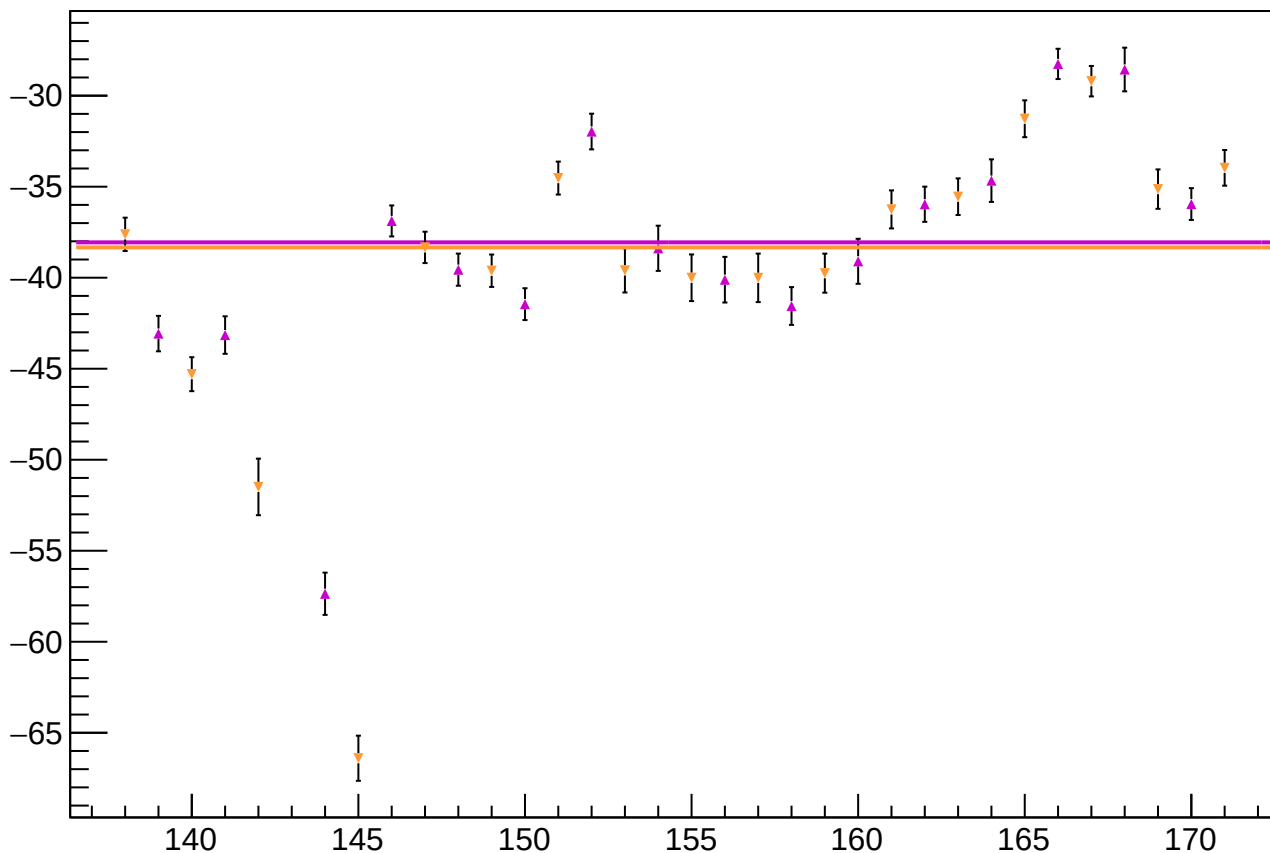
Left In: -0.010 ± 0.001 χ^2/NDF : 28.5/15

+ sign -0.009 ± 0.001 χ^2/NDF : 43.5/32

All: -0.009 ± 0.001 χ^2/NDF : 243.9/66

- sign -0.009 ± 0.001 χ^2/NDF : 200.3/33

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -38.335+/-0.249 χ^2/NDF : 874.6/16

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

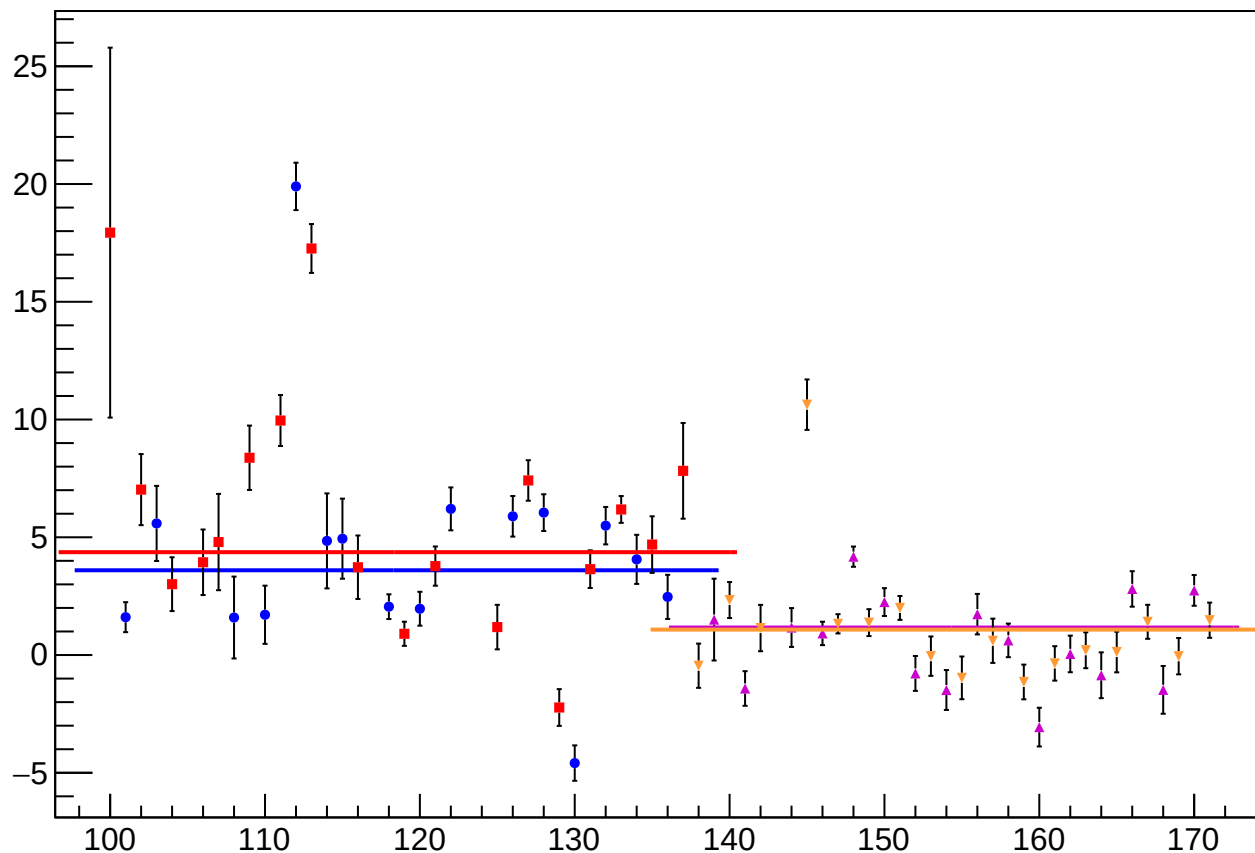
Left In: -38.058+/-0.251 χ^2/NDF : 621.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -38.198+/-0.177 χ^2/NDF : 1496.7/32

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 443.4/15$

Left Out: 1.080 ± 0.172 $\chi^2/\text{NDF}: 114.1/16$

Right Out: 4.367 ± 0.225 $\chi^2/\text{NDF}: 353.1/17$

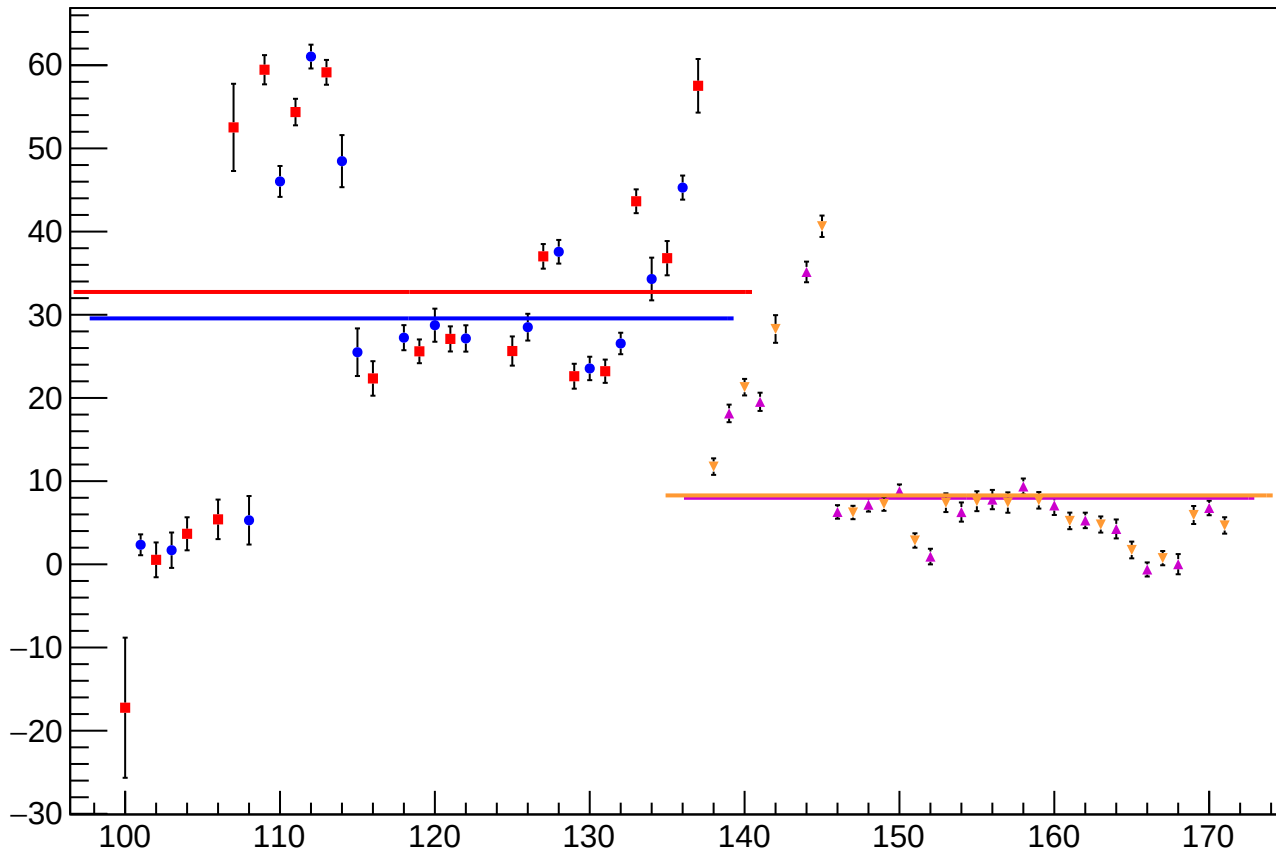
Left In: 1.167 ± 0.177 $\chi^2/\text{NDF}: 133.2/15$

+ sign 2.037 ± 0.136 $\chi^2/\text{NDF}: 638.5/32$

All: 2.211 ± 0.097 $\chi^2/\text{NDF}: 1253.2/66$

- sign 2.394 ± 0.139 $\chi^2/\text{NDF}: 611.3/33$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 +/- 0.420 χ^2/NDF : 1494.6/15

Left Out: 8.283 +/- 0.244 χ^2/NDF : 1170.7/16

Right Out: 32.741 +/- 0.423 χ^2/NDF : 1663.3/17

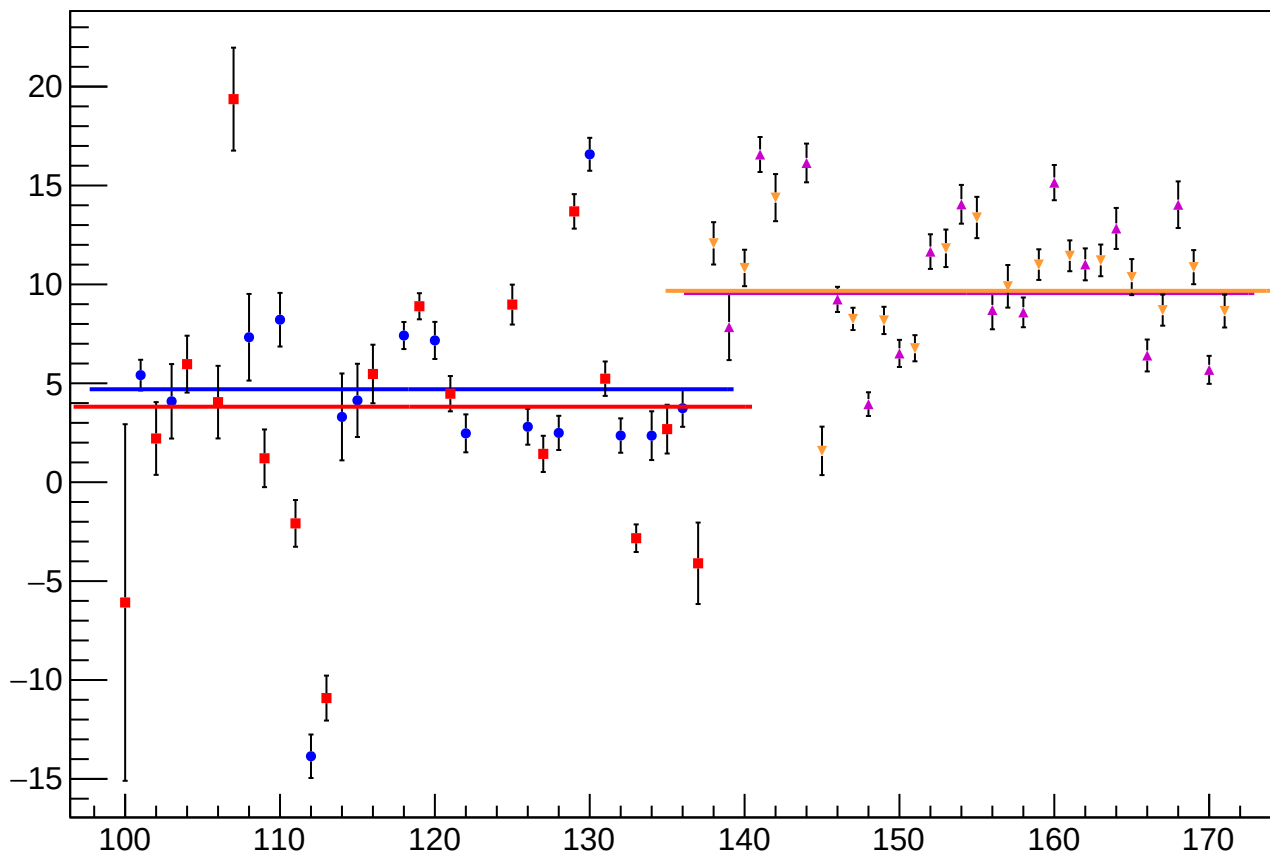
Left In: 8.000 +/- 0.245 χ^2/NDF : 917.7/15

+ sign 13.665 +/- 0.211 χ^2/NDF : 4587.5/32

All: 13.947 +/- 0.150 χ^2/NDF : 9734.5/66

- sign 14.233 +/- 0.212 χ^2/NDF : 5143.4/33

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.675 ± 0.203 χ^2/NDF : 131.4/16

Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

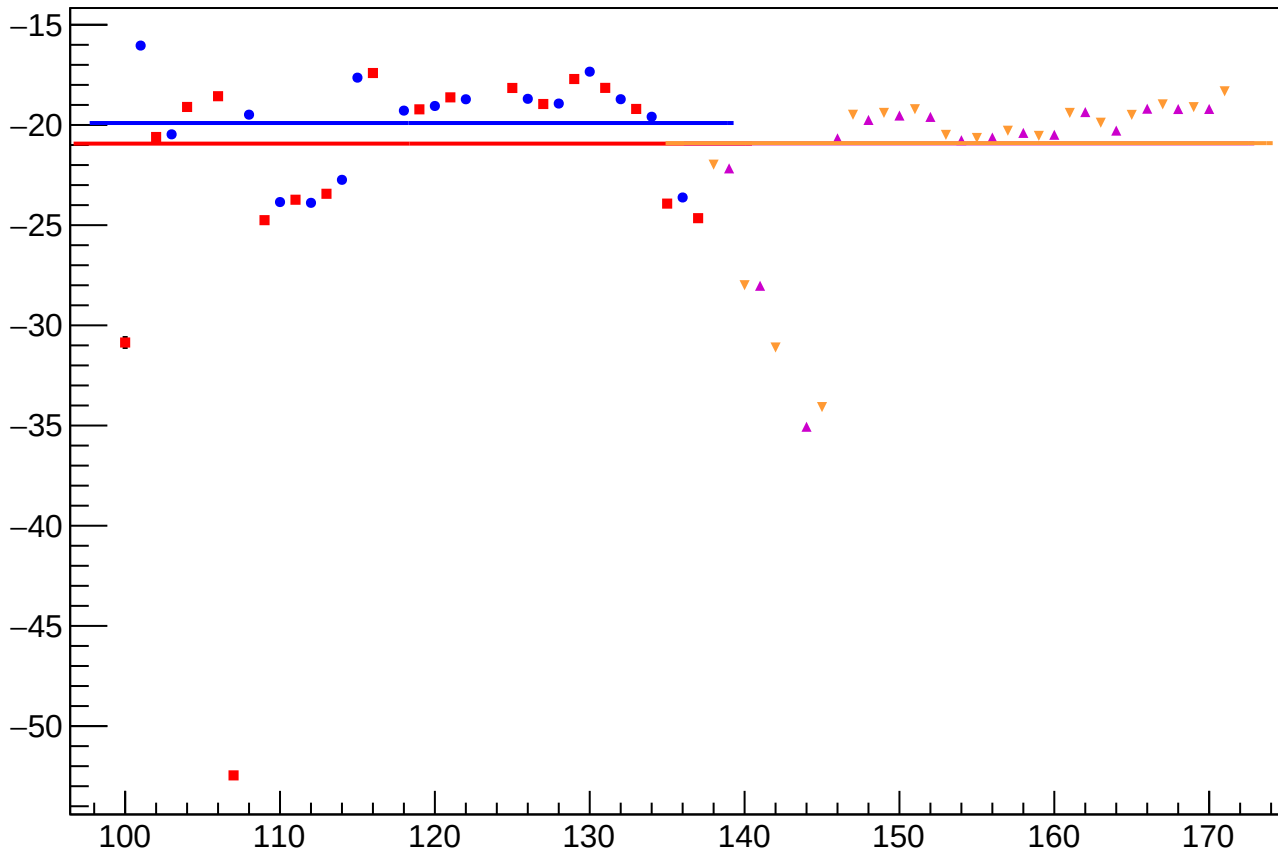
Left In: 9.562 ± 0.208 χ^2/NDF : 357.9/15

+ sign 7.740 ± 0.158 χ^2/NDF : 914.9/32

All: 7.529 ± 0.113 χ^2/NDF : 2144.3/66

- sign 7.308 ± 0.162 χ^2/NDF : 1225.8/33

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 χ^2/NDF : 26054.0/15

Left Out: -20.907 ± 0.010 χ^2/NDF : 137412.5/16

Right Out: -20.931 ± 0.016 χ^2/NDF : 94008.3/17

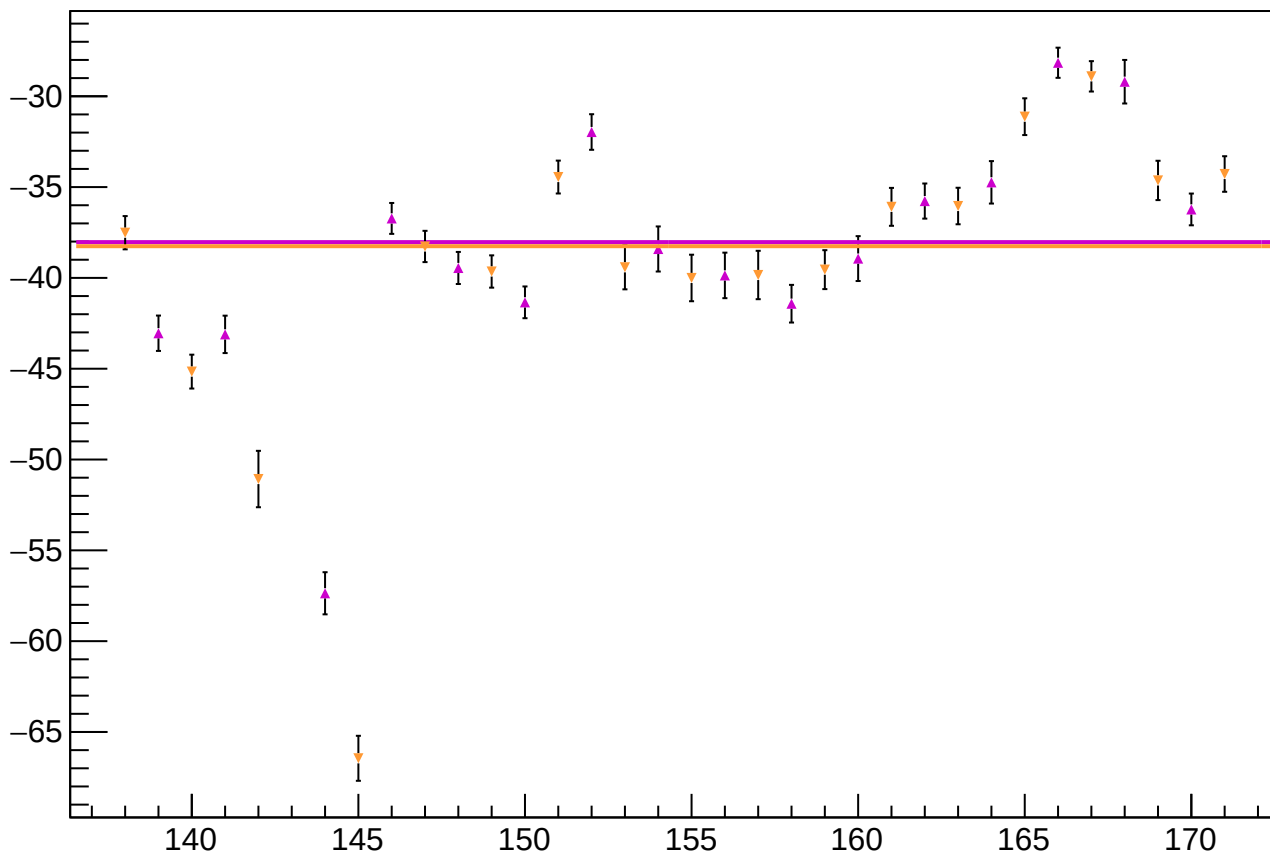
Left In: -20.918 ± 0.010 χ^2/NDF : 107082.9/15

+ sign -20.631 ± 0.008 χ^2/NDF : 166457.5/32

All: -20.776 ± 0.006 χ^2/NDF : 368173.3/66

- sign -20.922 ± 0.008 χ^2/NDF : 201091.7/33

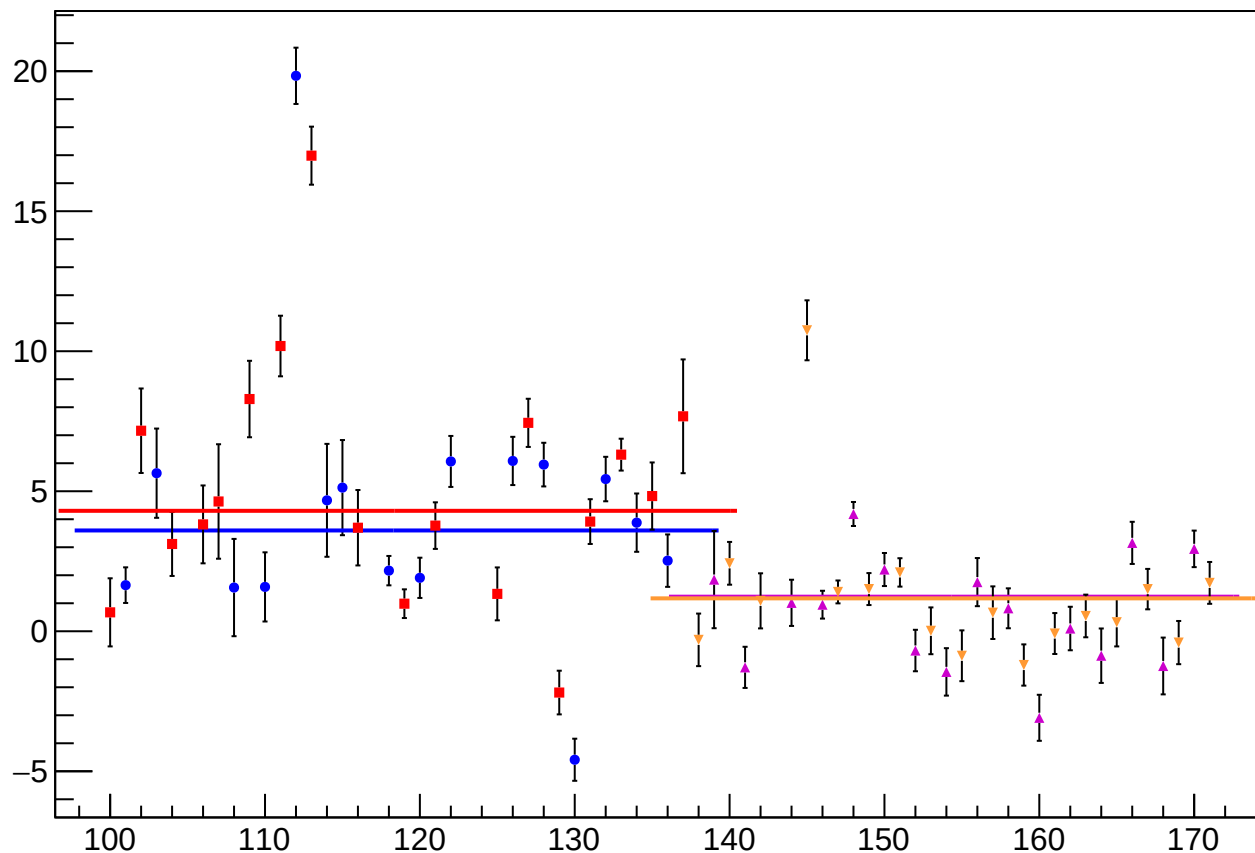
reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -38.255+/-0.249 χ^2/NDF : 879.0/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -38.030+/-0.251 χ^2/NDF : 613.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -38.144+/-0.177 χ^2/NDF : 1492.7/32
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 1.175 ± 0.172 χ^2/NDF : 116.5/16

Right Out: 4.301 ± 0.221 χ^2/NDF : 352.1/17

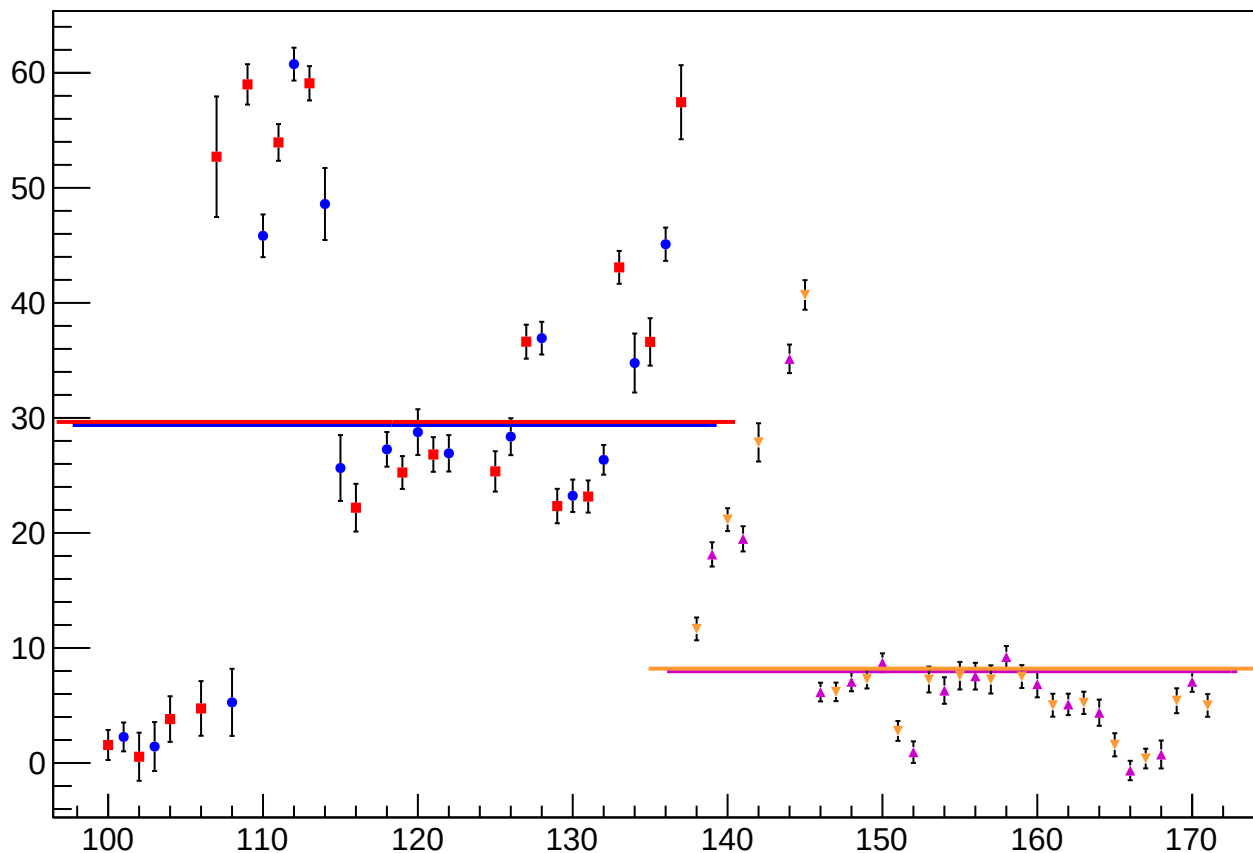
Left In: 1.235 ± 0.177 χ^2/NDF : 133.8/15

+ sign 2.096 ± 0.136 χ^2/NDF : 631.9/32

All: 2.262 ± 0.097 χ^2/NDF : 1238.1/66

- sign 2.435 ± 0.138 χ^2/NDF : 603.1/33

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 ± 0.419 χ^2/NDF : 1488.6/15

Left Out: 8.205 ± 0.244 χ^2/NDF : 1173.3/16

Right Out: 29.652 ± 0.402 χ^2/NDF : 2131.0/17

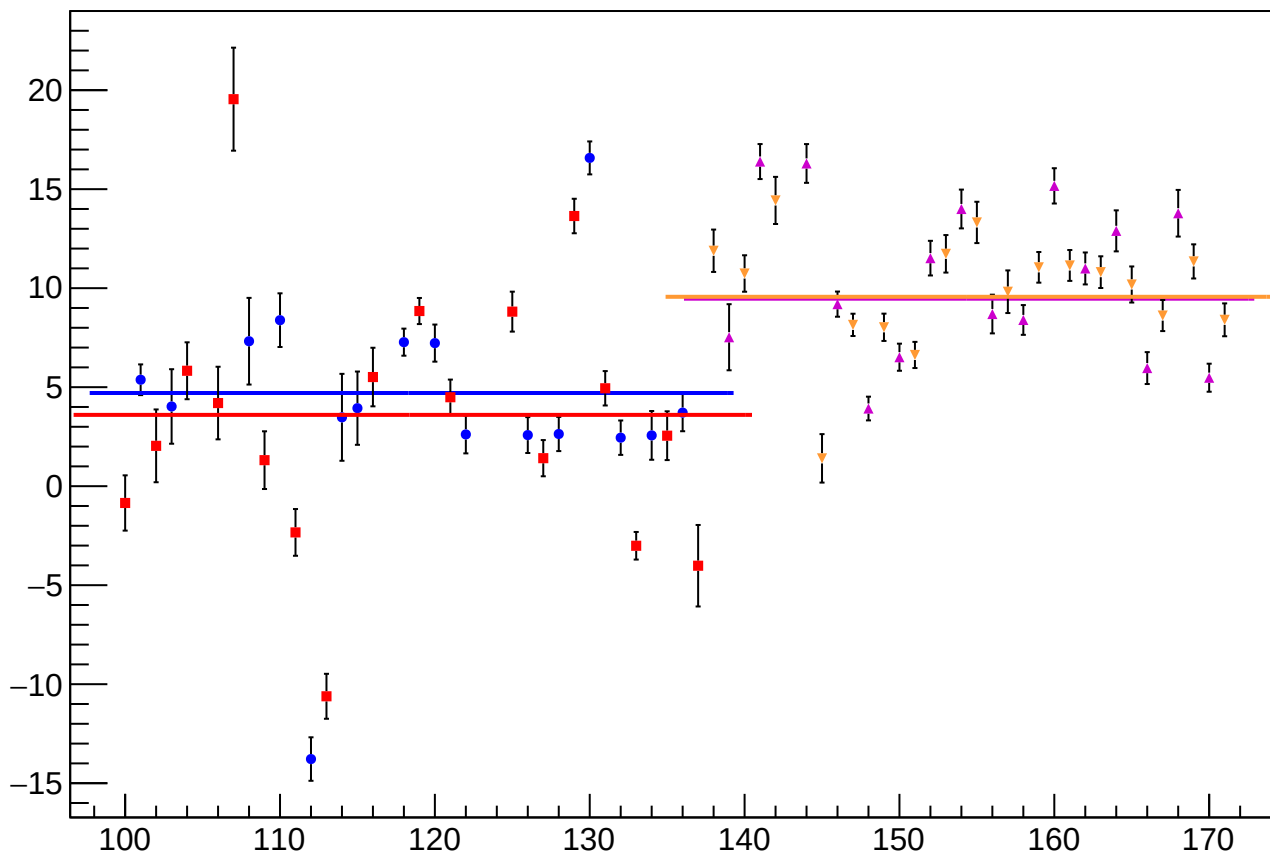
Left In: 7.982 ± 0.245 χ^2/NDF : 911.3/15

+ sign 13.563 ± 0.211 χ^2/NDF : 4568.9/32

All: 13.707 ± 0.149 χ^2/NDF : 9727.5/66

- sign 13.850 ± 0.209 χ^2/NDF : 5157.6/33

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.565 ± 0.203 $\chi^2/\text{NDF}: 135.3/16$

Right Out: 3.601 ± 0.254 $\chi^2/\text{NDF}: 573.4/17$

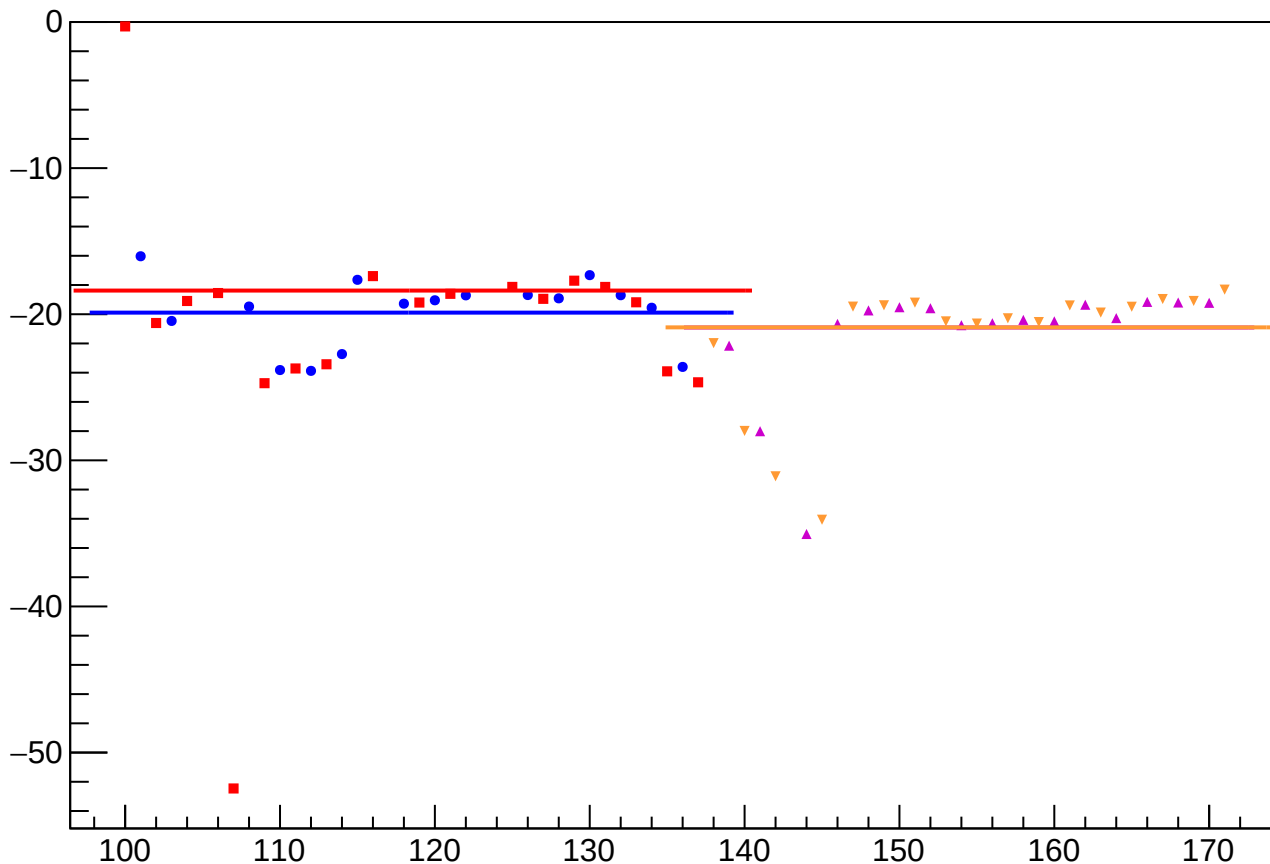
Left In: 9.469 ± 0.208 $\chi^2/\text{NDF}: 365.0/15$

+ sign 7.675 ± 0.158 $\chi^2/\text{NDF}: 904.3/32$

All: 7.402 ± 0.113 $\chi^2/\text{NDF}: 2168.7/66$

- sign 7.121 ± 0.161 $\chi^2/\text{NDF}: 1258.4/33$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -20.899 ± 0.010 $\chi^2/\text{NDF}: 137502.5/16$

Right Out: -18.380 ± 0.015 $\chi^2/\text{NDF}: 300999.4/17$

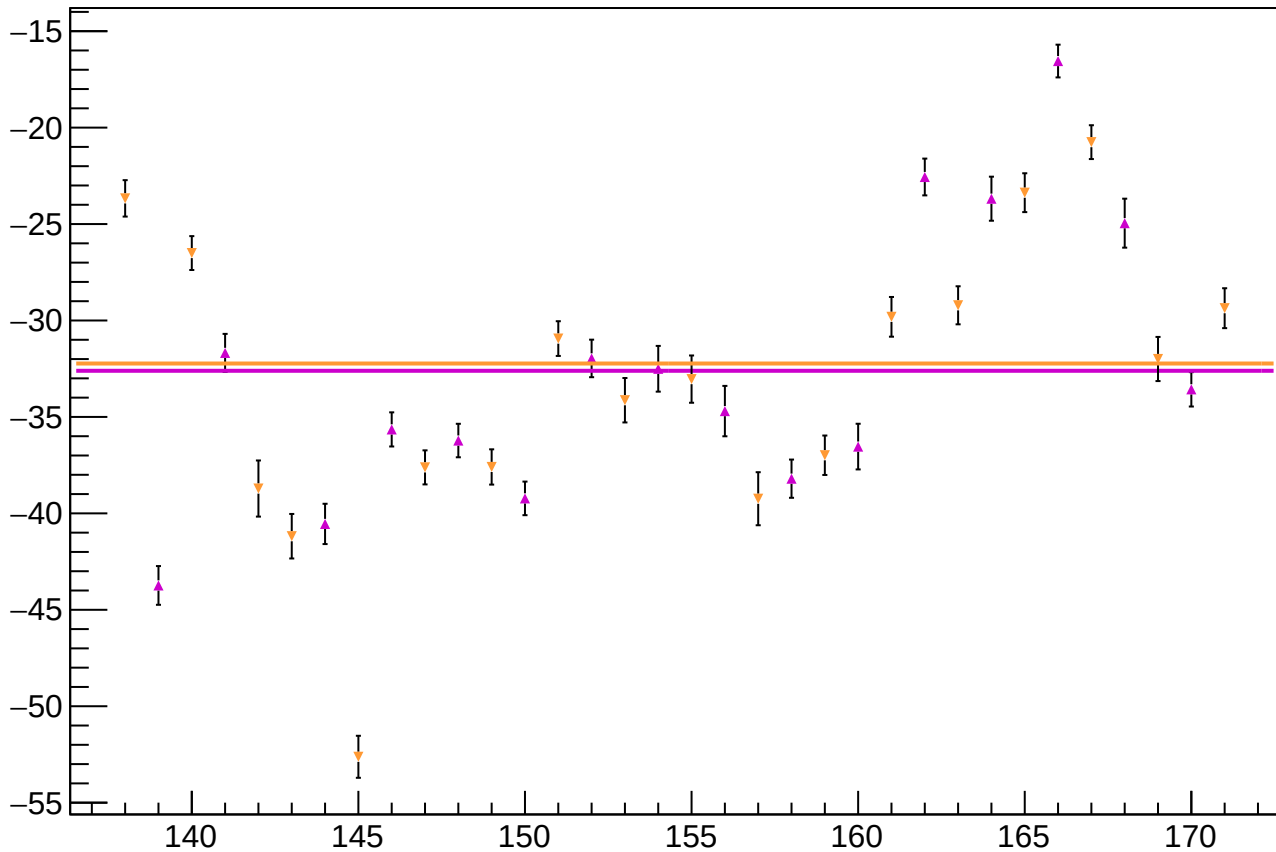
Left In: -20.910 ± 0.010 $\chi^2/\text{NDF}: 106982.9/15$

+ sign -20.622 ± 0.008 $\chi^2/\text{NDF}: 166565.5/32$

All: -20.382 ± 0.006 $\chi^2/\text{NDF}: 596798.8/66$

- sign -20.147 ± 0.008 $\chi^2/\text{NDF}: 428533.0/33$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -32.230+/-0.242 χ^2/NDF : 951.0/17

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

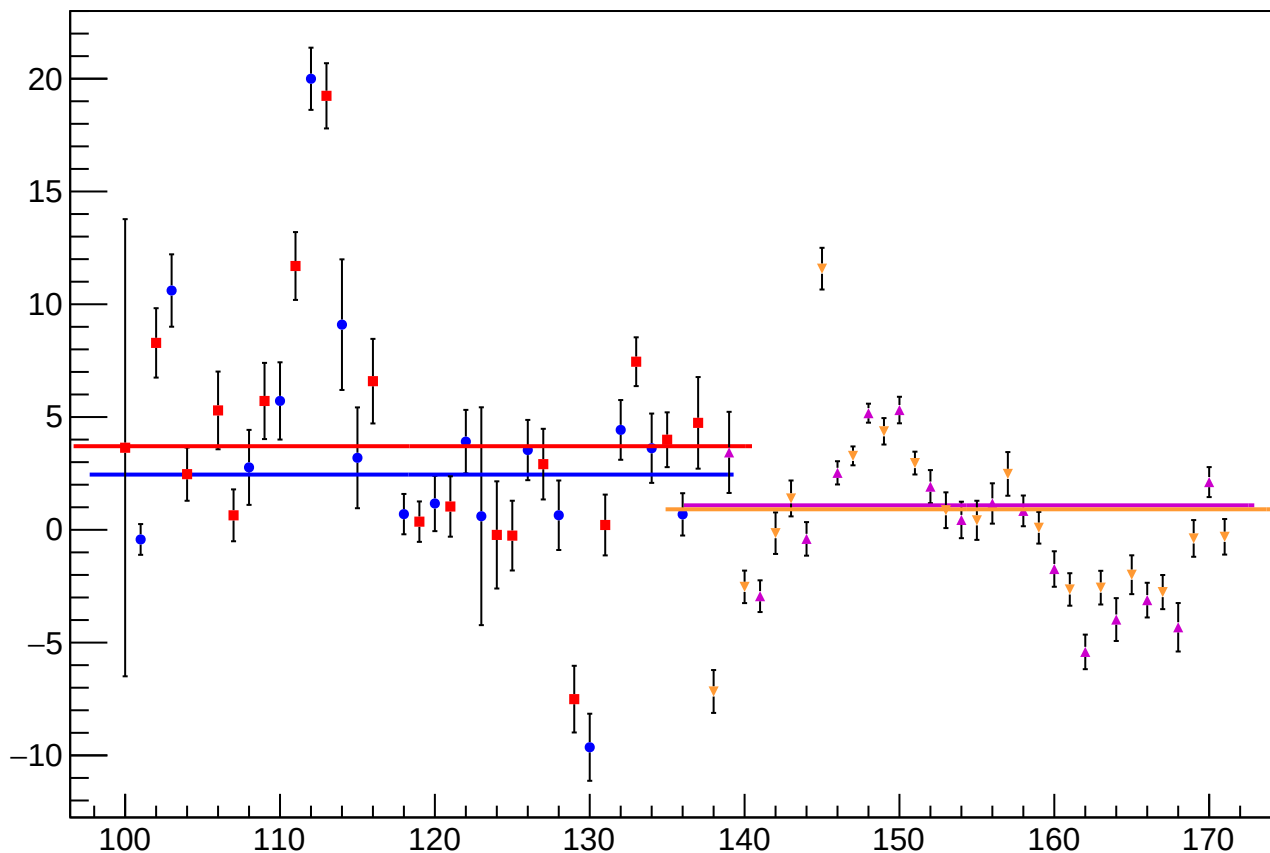
Left In: -32.608+/-0.249 χ^2/NDF : 881.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.413+/-0.174 χ^2/NDF : 1833.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 0.910 ± 0.168 χ^2/NDF : 403.2/17

Right Out: 3.707 ± 0.326 χ^2/NDF : 269.4/18

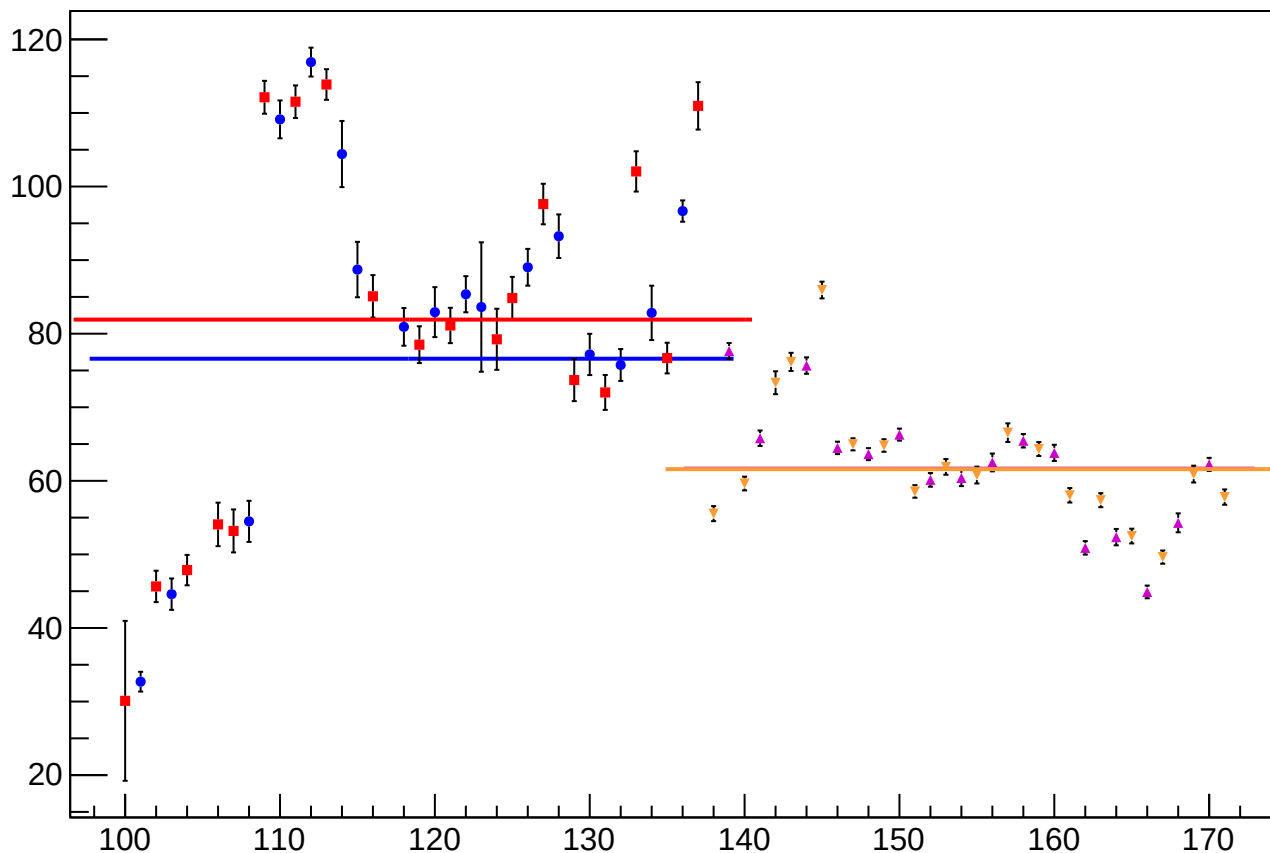
Left In: 1.086 ± 0.176 χ^2/NDF : 364.9/15

+ sign 1.252 ± 0.148 χ^2/NDF : 717.2/34

All: 1.454 ± 0.107 χ^2/NDF : 1405.4/69

- sign 1.674 ± 0.155 χ^2/NDF : 684.3/34

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 ± 0.576 $\chi^2/\text{NDF}: 2255.1/16$

Left Out: 61.591 ± 0.239 $\chi^2/\text{NDF}: 1068.2/17$

Right Out: 81.916 ± 0.592 $\chi^2/\text{NDF}: 1570.7/18$

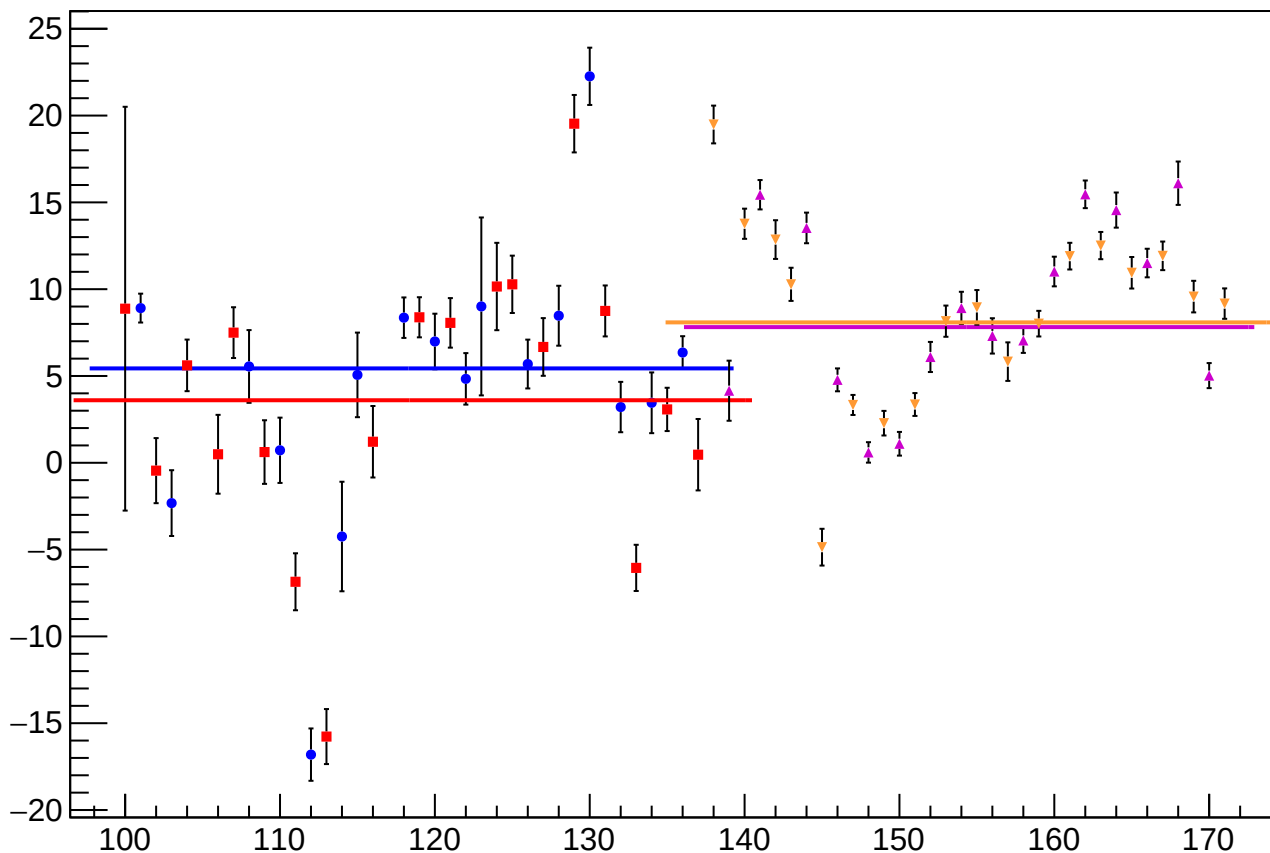
Left In: 61.654 ± 0.244 $\chi^2/\text{NDF}: 1079.9/15$

+ sign 63.787 ± 0.220 $\chi^2/\text{NDF}: 3902.6/34$

All: 64.179 ± 0.158 $\chi^2/\text{NDF}: 7561.4/69$

- sign 64.589 ± 0.225 $\chi^2/\text{NDF}: 3652.3/34$

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 χ^2/NDF : 387.2/16

Left Out: 8.088 ± 0.197 χ^2/NDF : 609.6/17

Right Out: 3.602 ± 0.375 χ^2/NDF : 423.3/18

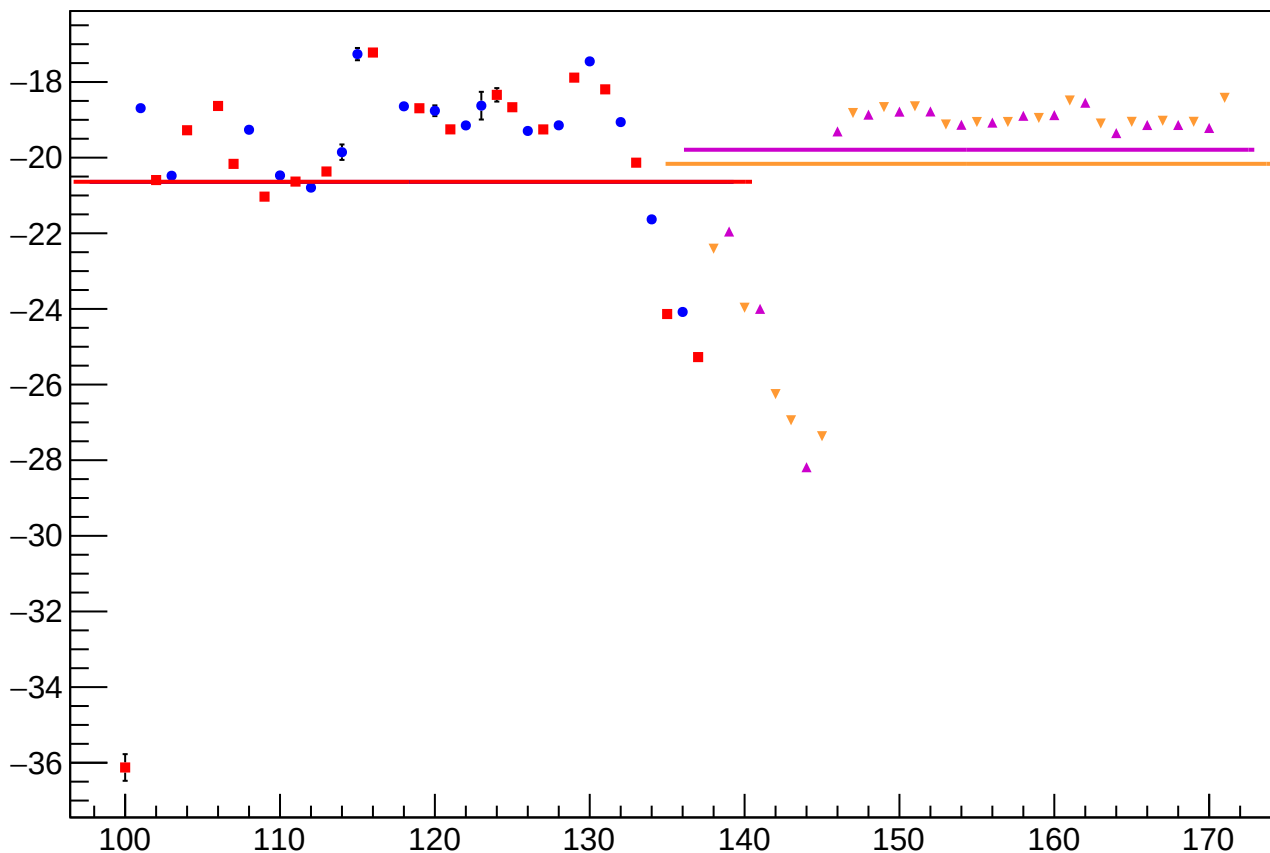
Left In: 7.815 ± 0.206 χ^2/NDF : 632.5/15

+ sign 7.476 ± 0.173 χ^2/NDF : 1038.5/34

All: 7.172 ± 0.125 χ^2/NDF : 2197.7/69

- sign 6.842 ± 0.180 χ^2/NDF : 1152.8/34

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -20.163 ± 0.009 χ^2/NDF : 81182.5/17

Right Out: -20.638 ± 0.019 χ^2/NDF : 13783.4/18

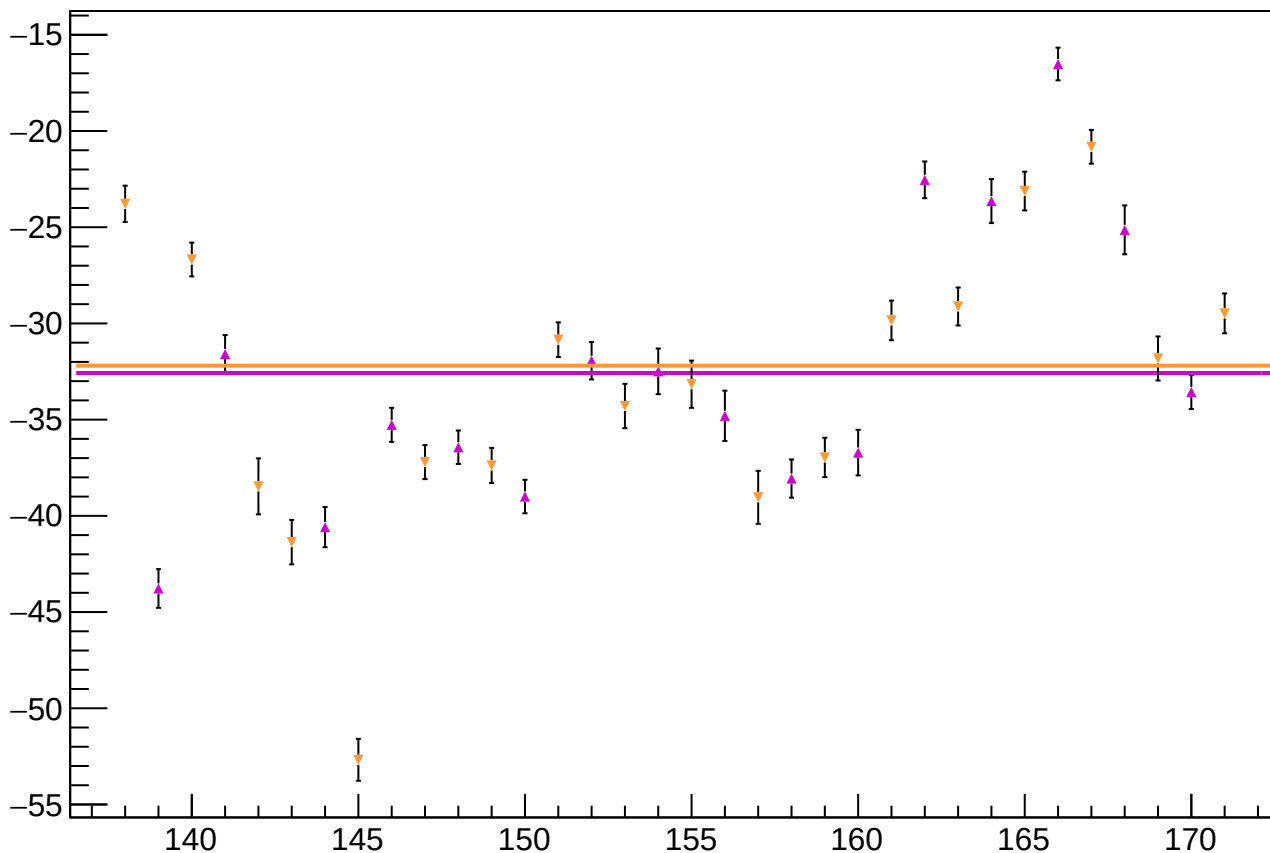
Left In: -19.791 ± 0.010 χ^2/NDF : 48914.5/15

+ sign -20.255 ± 0.008 χ^2/NDF : 94109.2/34

All: -20.109 ± 0.006 χ^2/NDF : 158933.0/69

- sign -19.958 ± 0.009 χ^2/NDF : 64219.9/34

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.194+/-0.242 χ^2/NDF : 941.6/17

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

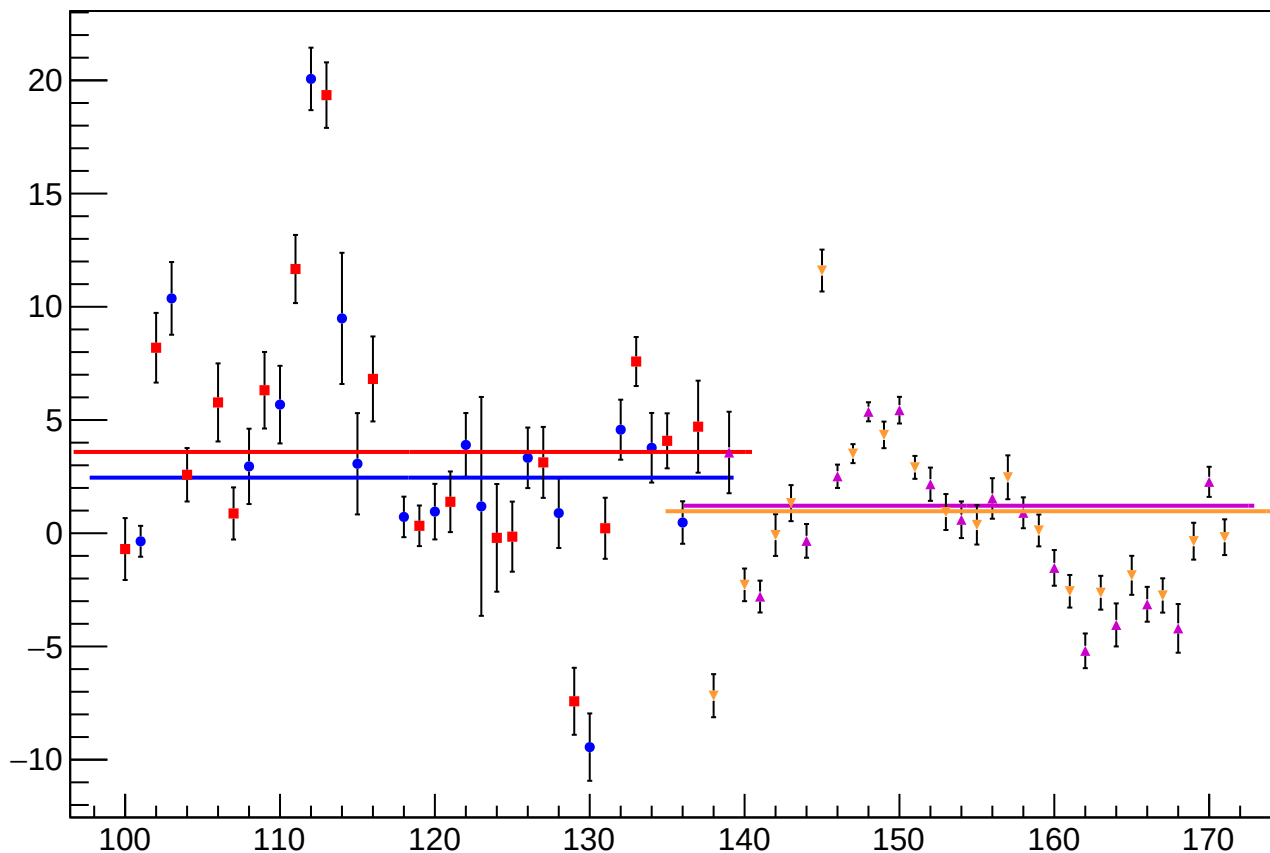
Left In: -32.576+/-0.250 χ^2/NDF : 877.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.379+/-0.174 χ^2/NDF : 1820.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 $\pm$ 0.315 χ^2 /NDF: 293.5/16

Left Out: 0.971 $\pm$ 0.168 χ^2 /NDF: 403.2/17

Right Out: 3.590 $\pm$ 0.318 χ^2 /NDF: 279.8/18

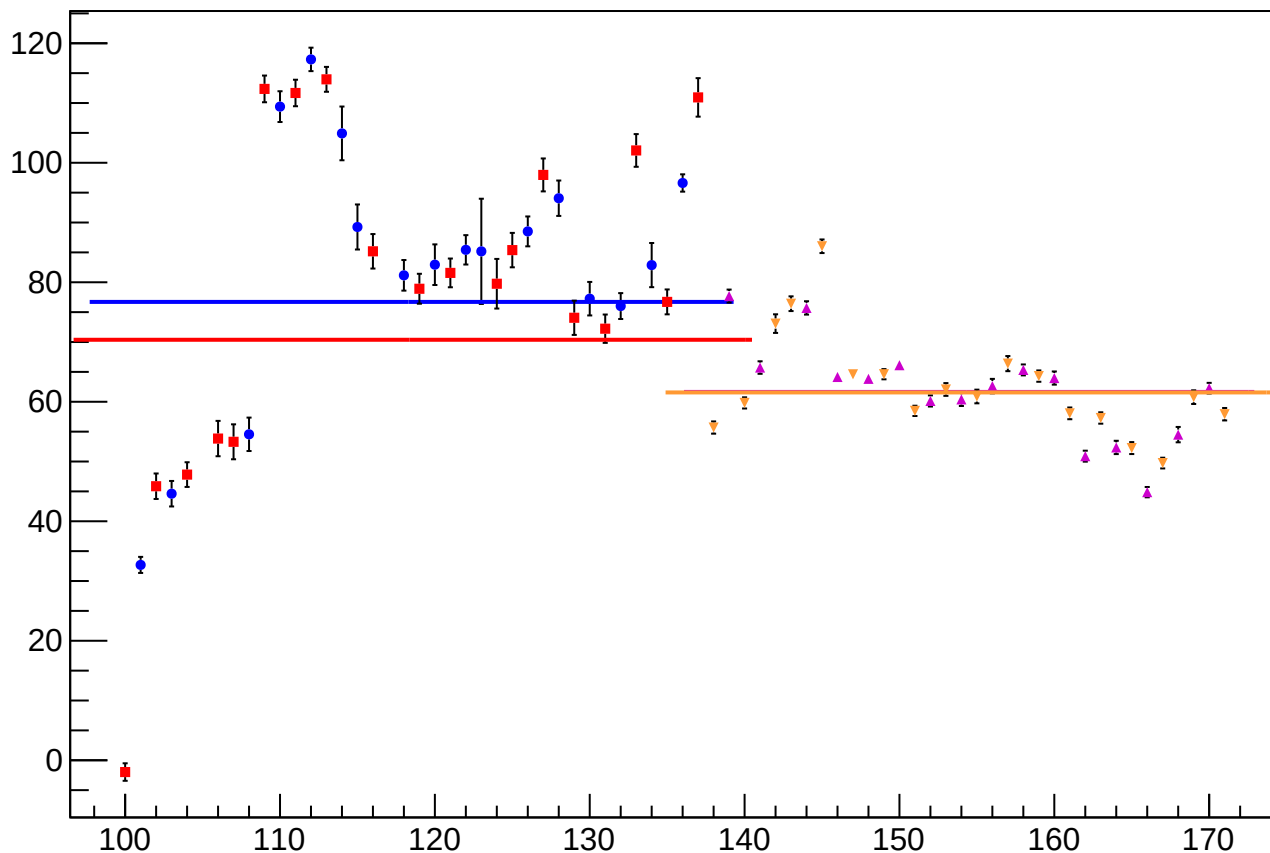
Left In: 1.215 $\pm$ 0.176 χ^2 /NDF: 368.4/15

+ sign 1.301 $\pm$ 0.148 χ^2 /NDF: 714.0/34

All: 1.527 $\pm$ 0.107 χ^2 /NDF: 1409.8/69

- sign 1.771 $\pm$ 0.154 χ^2 /NDF: 691.0/34

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 61.562 $\pm$ 0.239 χ^2 /NDF:1066.1/17

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

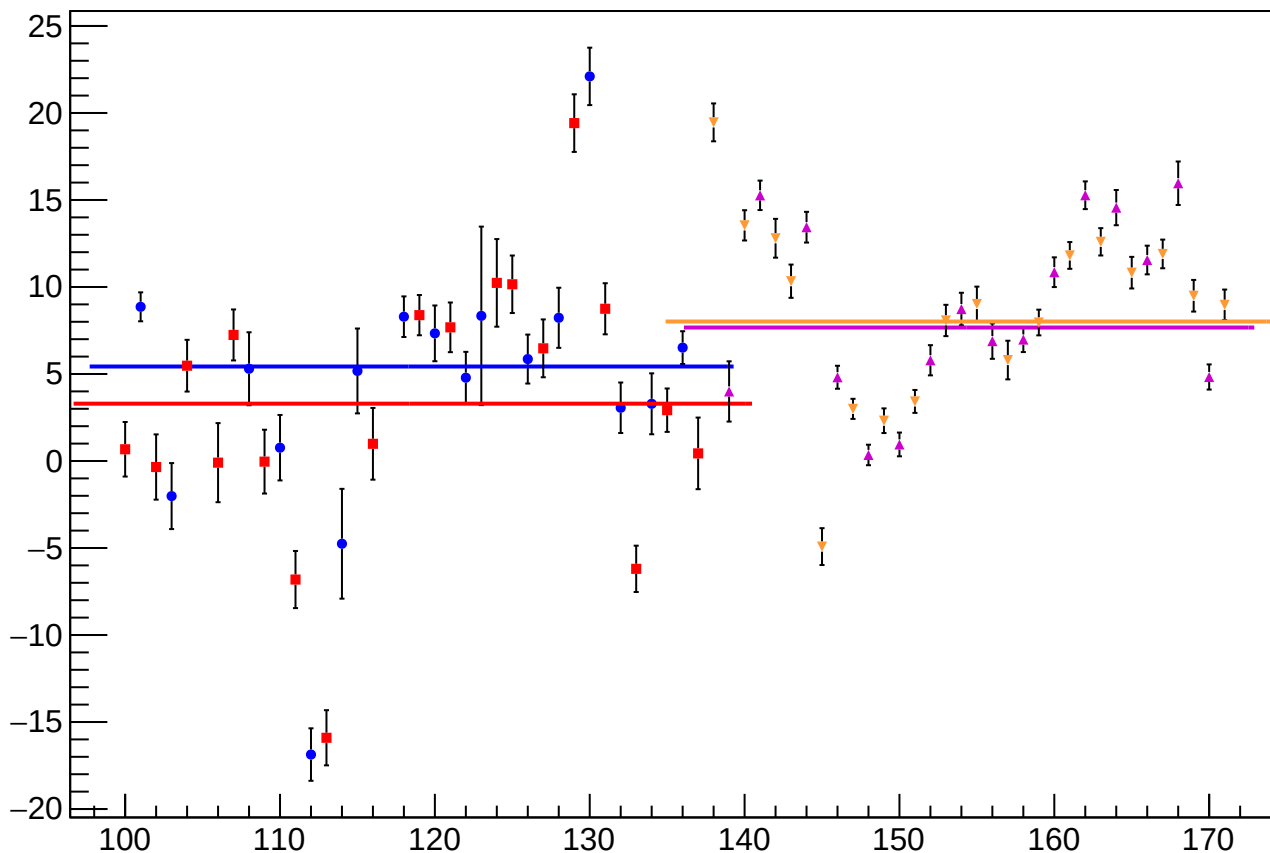
Left In: 61.647 $\pm$ 0.244 χ^2 /NDF:1075.6/15

+ sign 63.780 $\pm$ 0.220 χ^2 /NDF: 3922.6/34

All: 63.434 $\pm$ 0.157 χ^2 /NDF: 9604.4/69

- sign 63.081 $\pm$ 0.223 χ^2 /NDF: 5676.8/34

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 8.016 ± 0.197 χ^2/NDF : 612.3/17

Right Out: 3.295 ± 0.365 χ^2/NDF : 426.1/18

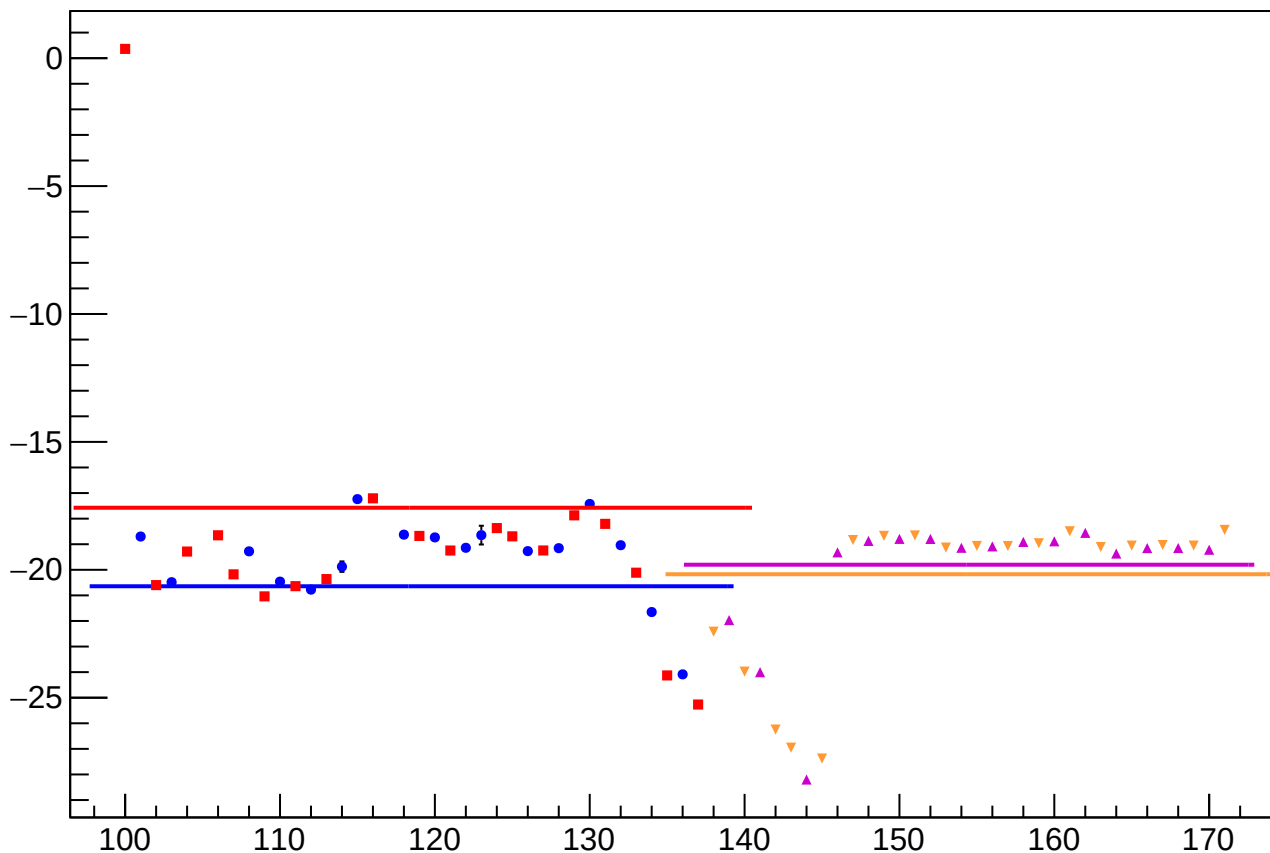
Left In: 7.670 ± 0.206 χ^2/NDF : 638.0/15

+ sign 7.419 ± 0.173 χ^2/NDF : 1037.7/34

All: 7.031 ± 0.125 χ^2/NDF : 2221.2/69

- sign 6.616 ± 0.179 χ^2/NDF : 1173.1/34

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 χ^2/NDF : 12468.6/16

Left Out: -20.173 ± 0.009 χ^2/NDF : 81020.7/17

Right Out: -17.574 ± 0.018 χ^2/NDF : 178327.0/18

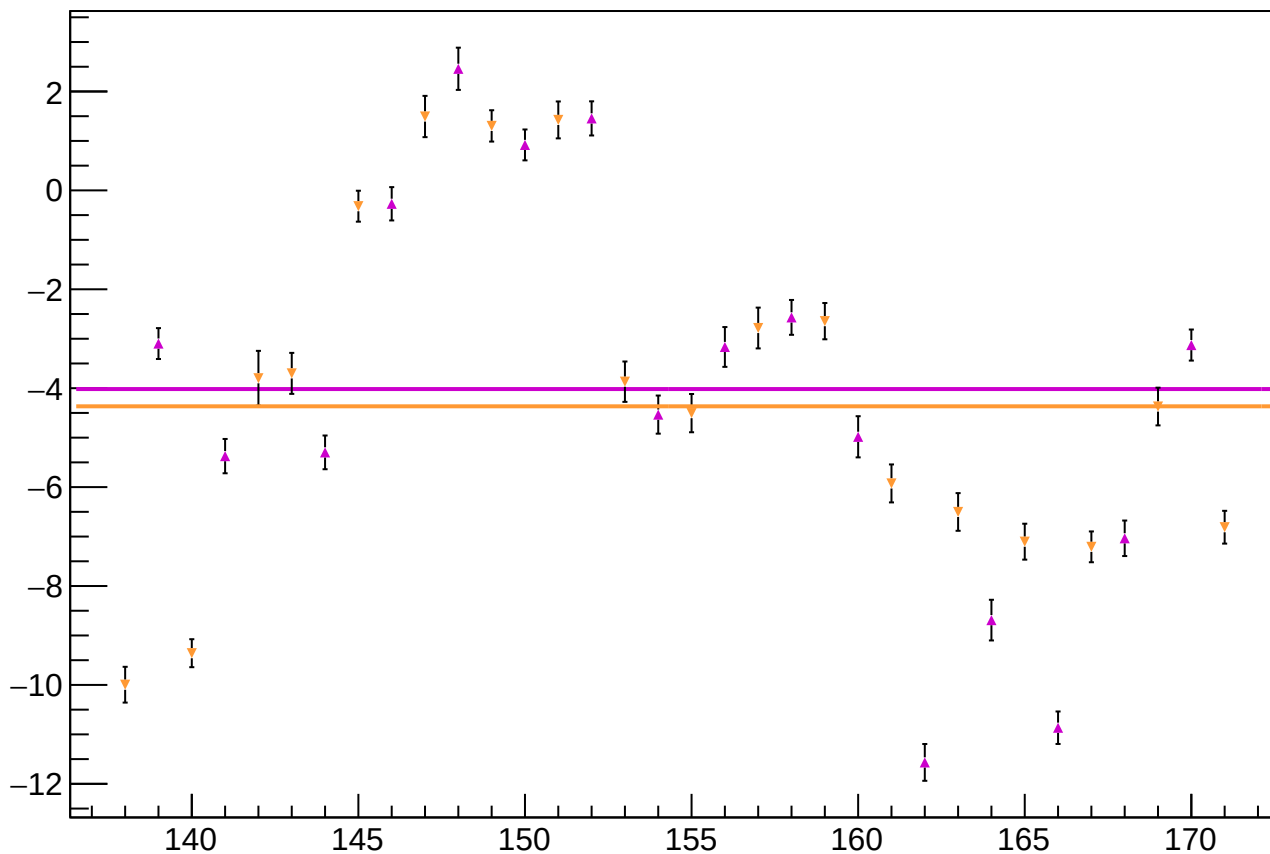
Left In: -19.801 ± 0.010 χ^2/NDF : 48849.7/15

+ sign -20.263 ± 0.008 χ^2/NDF : 93966.9/34

All: -19.787 ± 0.006 χ^2/NDF : 339364.7/69

- sign -19.306 ± 0.009 χ^2/NDF : 239040.6/34

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



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

Left Out: -4.366 $\pm$ 0.086 χ^2 /NDF:1763.5/17

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

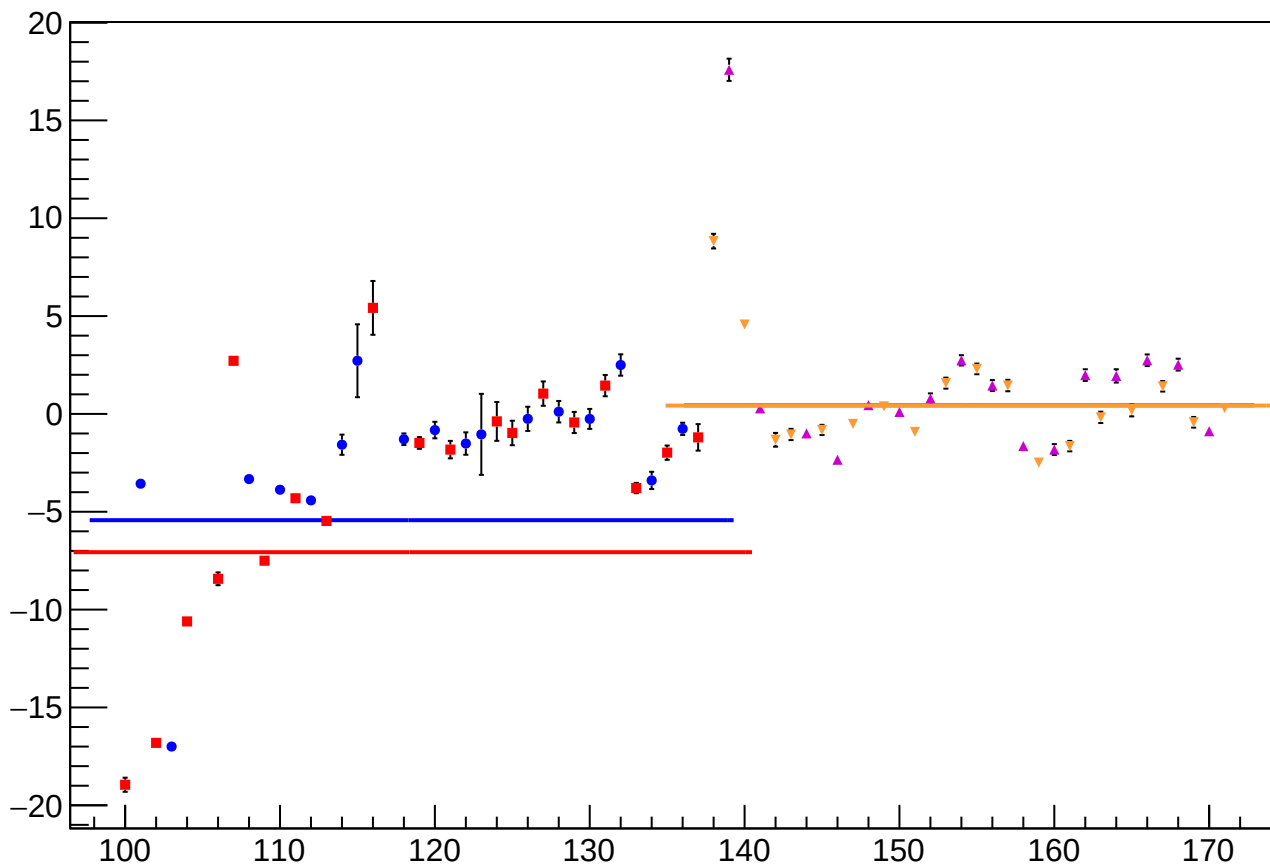
Left In: -4.017 $\pm$ 0.089 χ^2 /NDF:1976.1/15

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

All: -4.198 $\pm$ 0.062 χ^2 /NDF: 3747.5/33

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

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 0.427 ± 0.062 χ^2/NDF : 1244.1/17

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

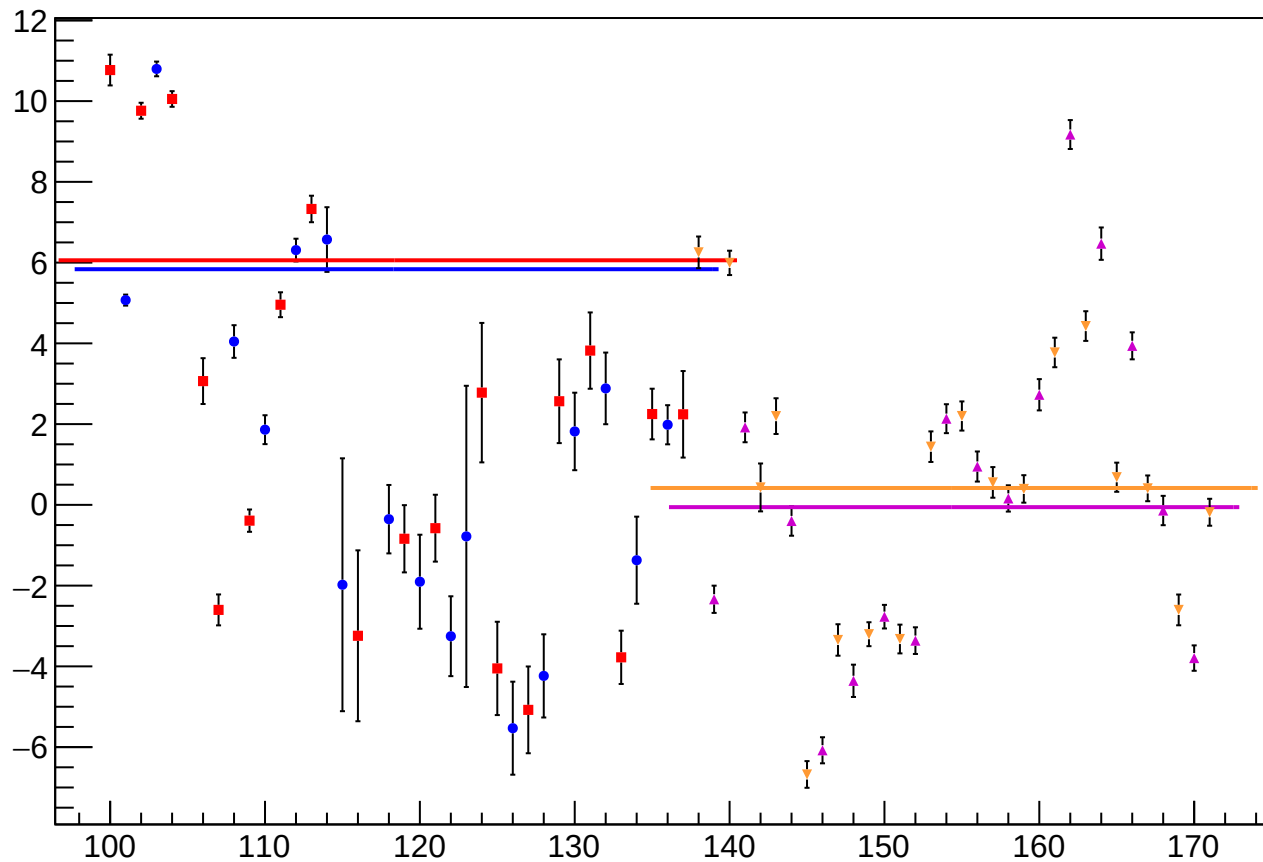
Left In: 0.439 ± 0.065 χ^2/NDF : 1536.8/15

+ sign -2.850 ± 0.041 χ^2/NDF : 15499.6/34

All: -3.242 ± 0.030 χ^2/NDF : 36814.9/69

- sign -3.687 ± 0.044 χ^2/NDF : 21120.5/34

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 ± 0.090 $\chi^2/\text{NDF}: 1440.9/16$

Left Out: 0.418 ± 0.085 $\chi^2/\text{NDF}: 1694.9/17$

Right Out: 6.057 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

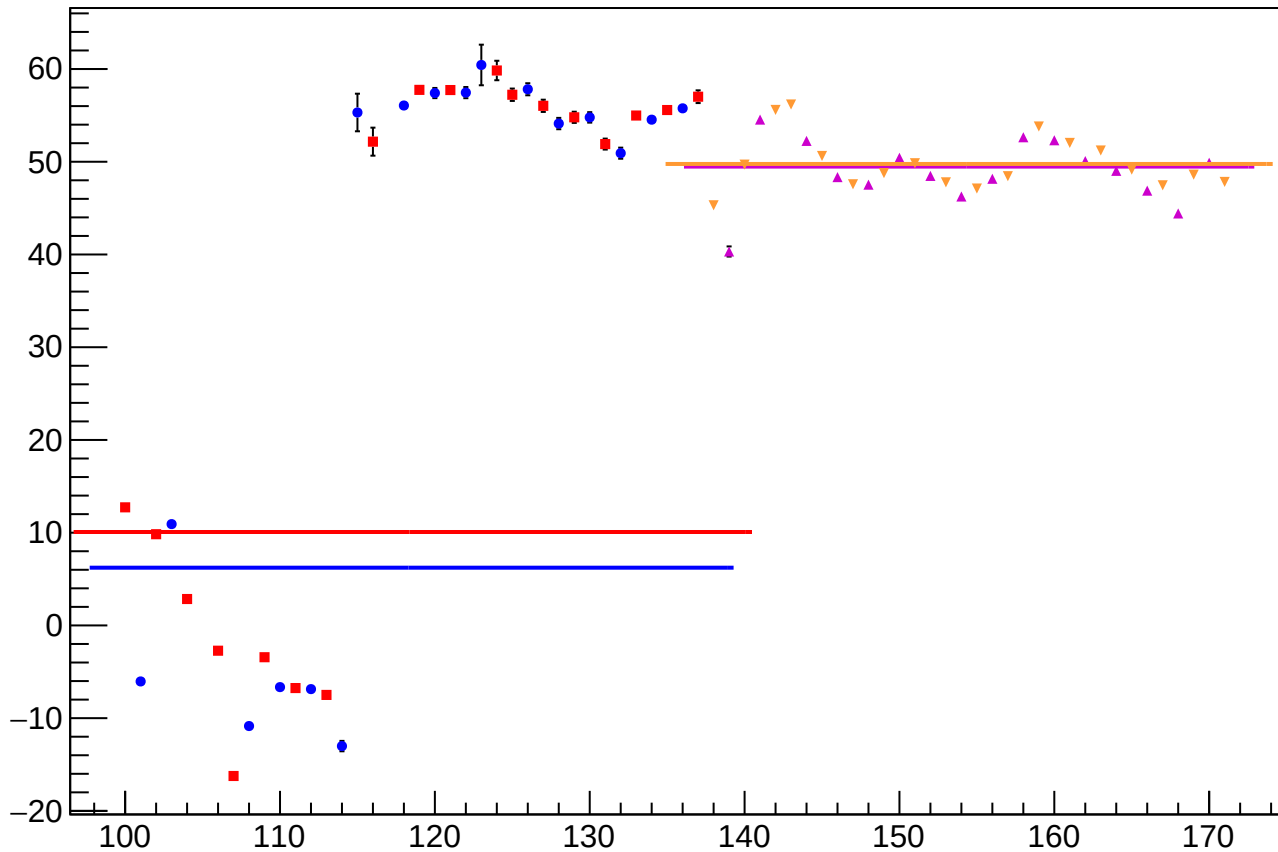
Left In: -0.056 ± 0.087 $\chi^2/\text{NDF}: 2034.9/15$

+ sign 2.977 ± 0.062 $\chi^2/\text{NDF}: 5062.8/34$

All: 2.885 ± 0.044 $\chi^2/\text{NDF}: 12066.9/69$

- sign 2.787 ± 0.064 $\chi^2/\text{NDF}: 6999.4/34$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 49.761 ± 0.071 χ^2/NDF : 1304.1/17

Right Out: 10.075 ± 0.070 χ^2/NDF : 122049.3/18

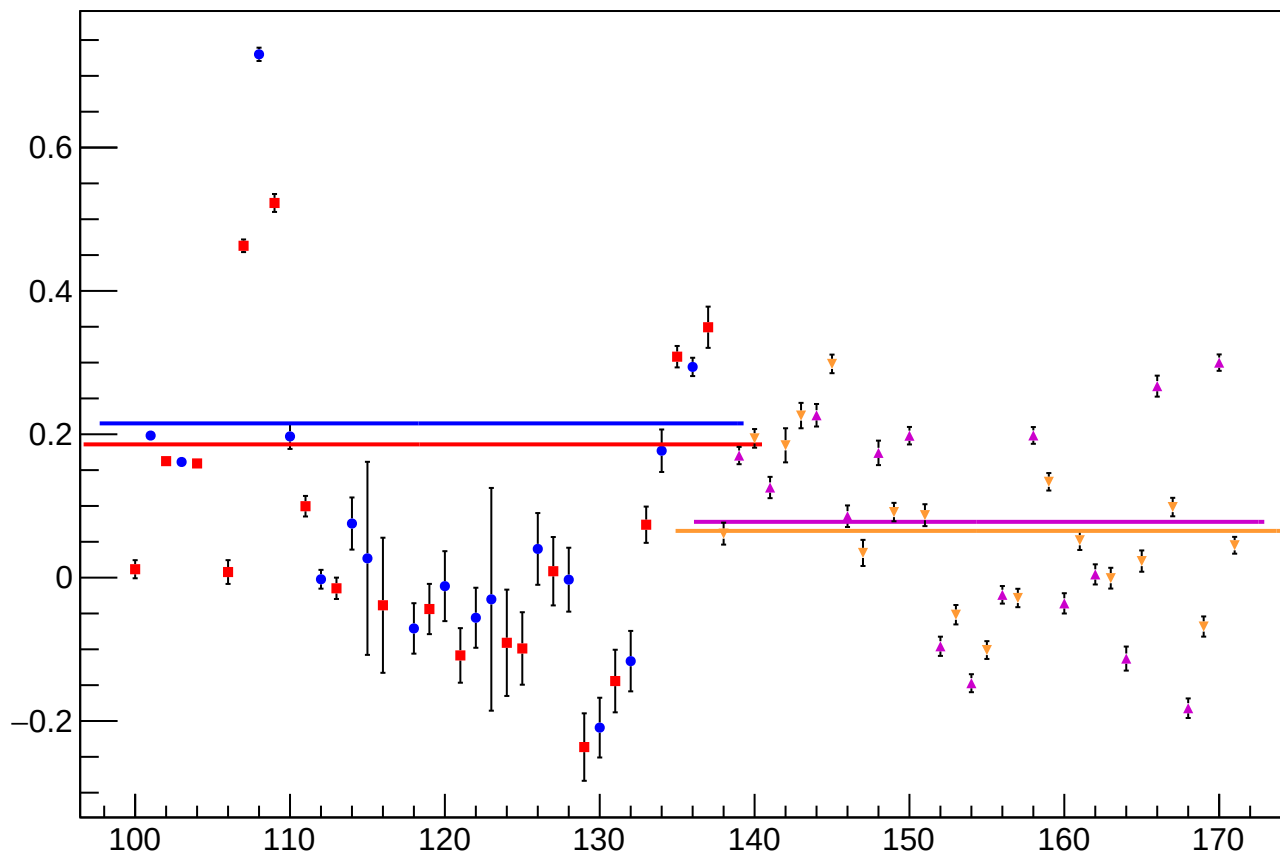
Left In: 49.479 ± 0.075 χ^2/NDF : 1400.3/15

+ sign 25.881 ± 0.048 χ^2/NDF : 325853.3/34

All: 27.051 ± 0.035 χ^2/NDF : 598815.8/69

- sign 28.372 ± 0.051 χ^2/NDF : 271698.6/34

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.065 $\pm$ 0.003 χ^2 /NDF:1005.8/17

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

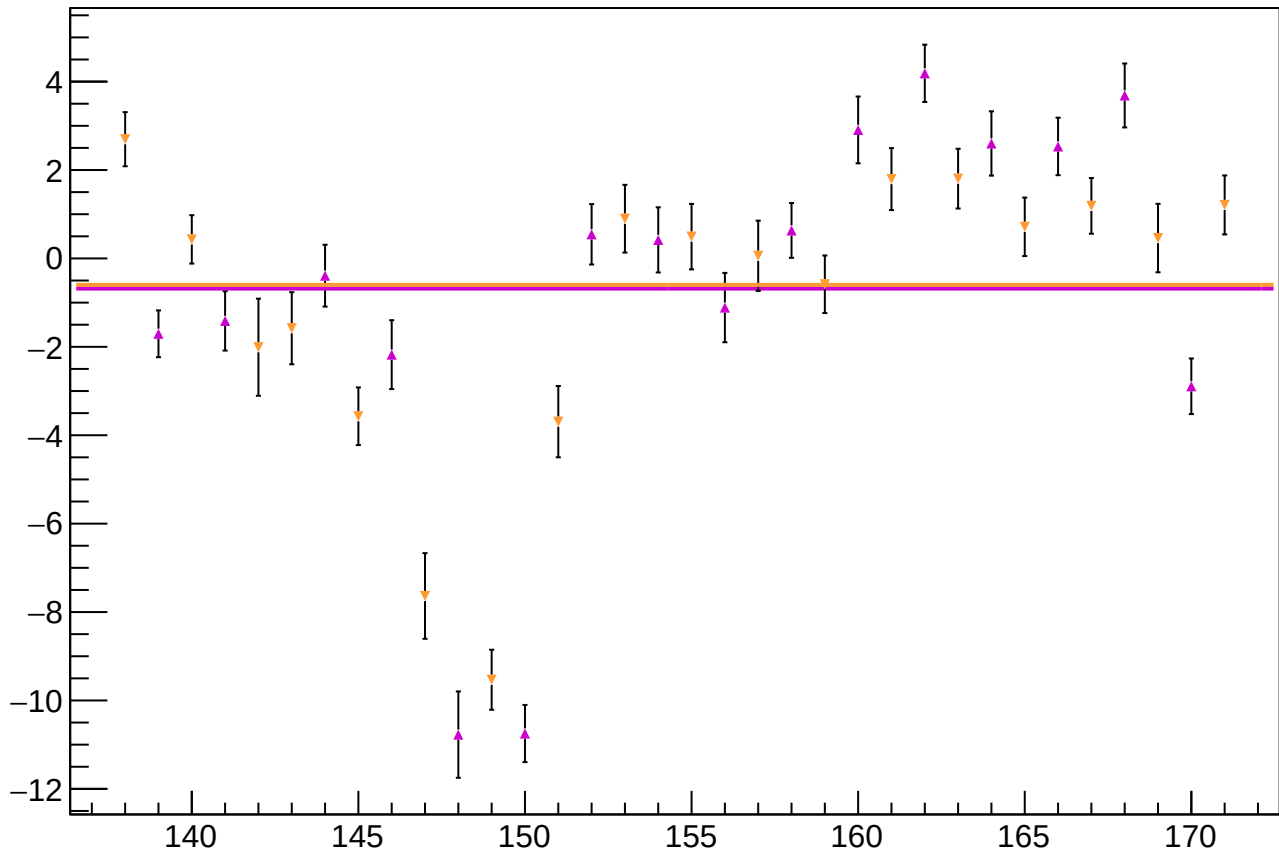
Left In: 0.078 $\pm$ 0.003 χ^2 /NDF:2080.7/15

+ sign 0.153 $\pm$ 0.002 χ^2 /NDF: 6147.0/34

All: 0.149 $\pm$ 0.001 χ^2 /NDF: 11579.2/69

- sign 0.144 $\pm$ 0.002 χ^2 /NDF: 5423.3/34

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: -0.597 $\pm$ 0.167 χ^2 /NDF:349.1/17

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

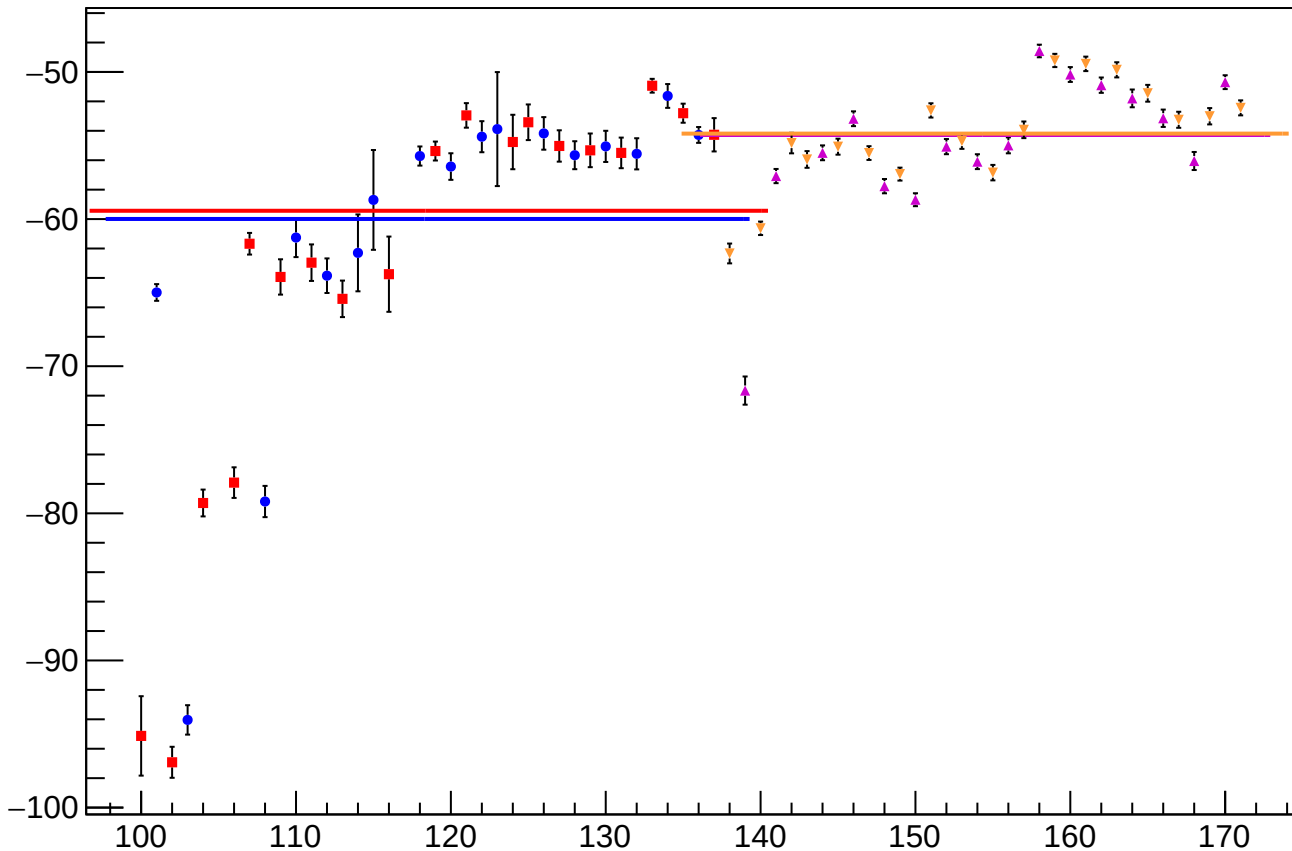
Left In: -0.682 $\pm$ 0.172 χ^2 /NDF:540.7/15

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

All: -0.638 $\pm$ 0.120 χ^2 /NDF: 889.9/33

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

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 $\chi^2/\text{NDF}: 1972.9/16$

Left Out: -54.191 ± 0.123 $\chi^2/\text{NDF}: 770.0/17$

Right Out: -59.435 ± 0.212 $\chi^2/\text{NDF}: 2917.9/18$

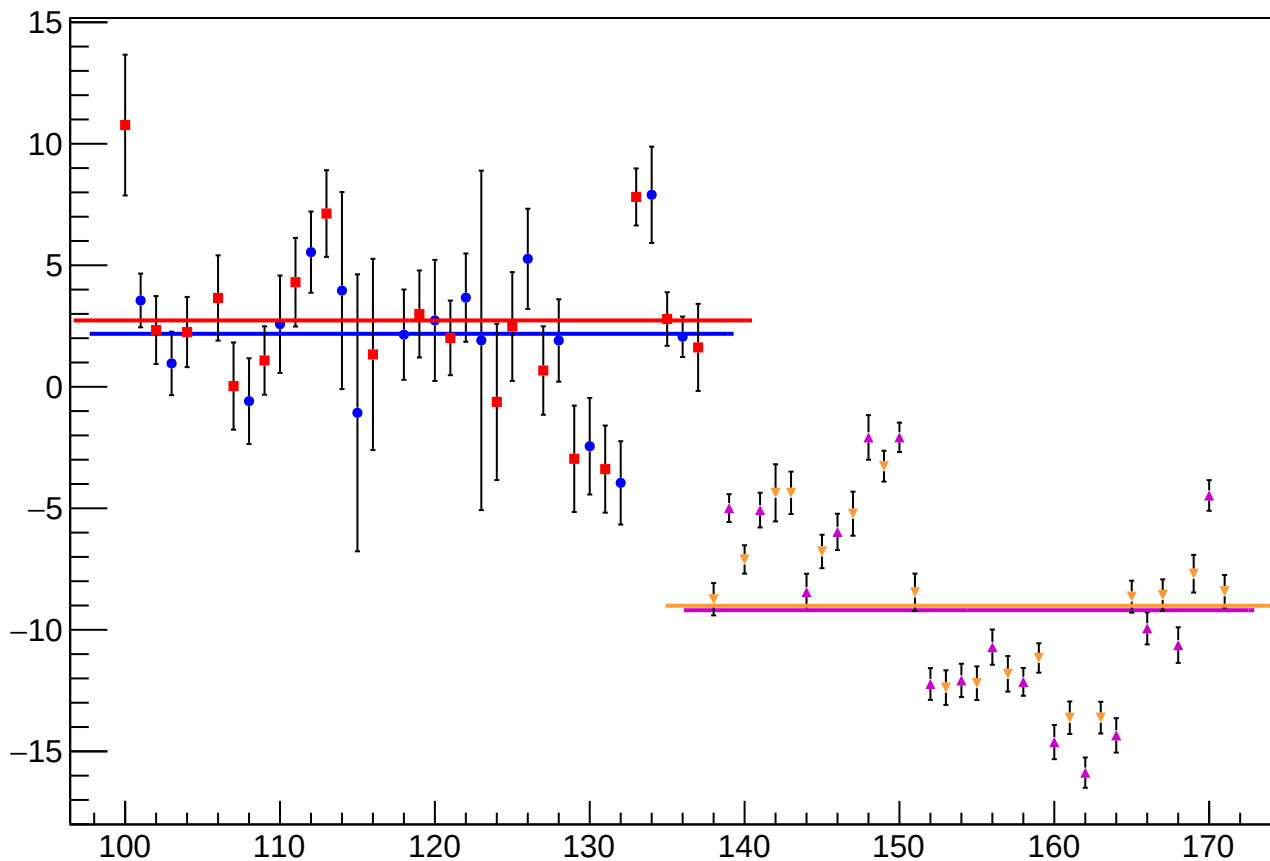
Left In: -54.285 ± 0.130 $\chi^2/\text{NDF}: 914.2/15$

+ sign -55.525 ± 0.108 $\chi^2/\text{NDF}: 3255.0/34$

All: -55.603 ± 0.077 $\chi^2/\text{NDF}: 7517.9/69$

- sign -55.686 ± 0.111 $\chi^2/\text{NDF}: 4261.9/34$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 χ^2/NDF : 39.0/16

Left Out: -9.008 ± 0.165 χ^2/NDF : 338.1/17

Right Out: 2.731 ± 0.388 χ^2/NDF : 58.9/18

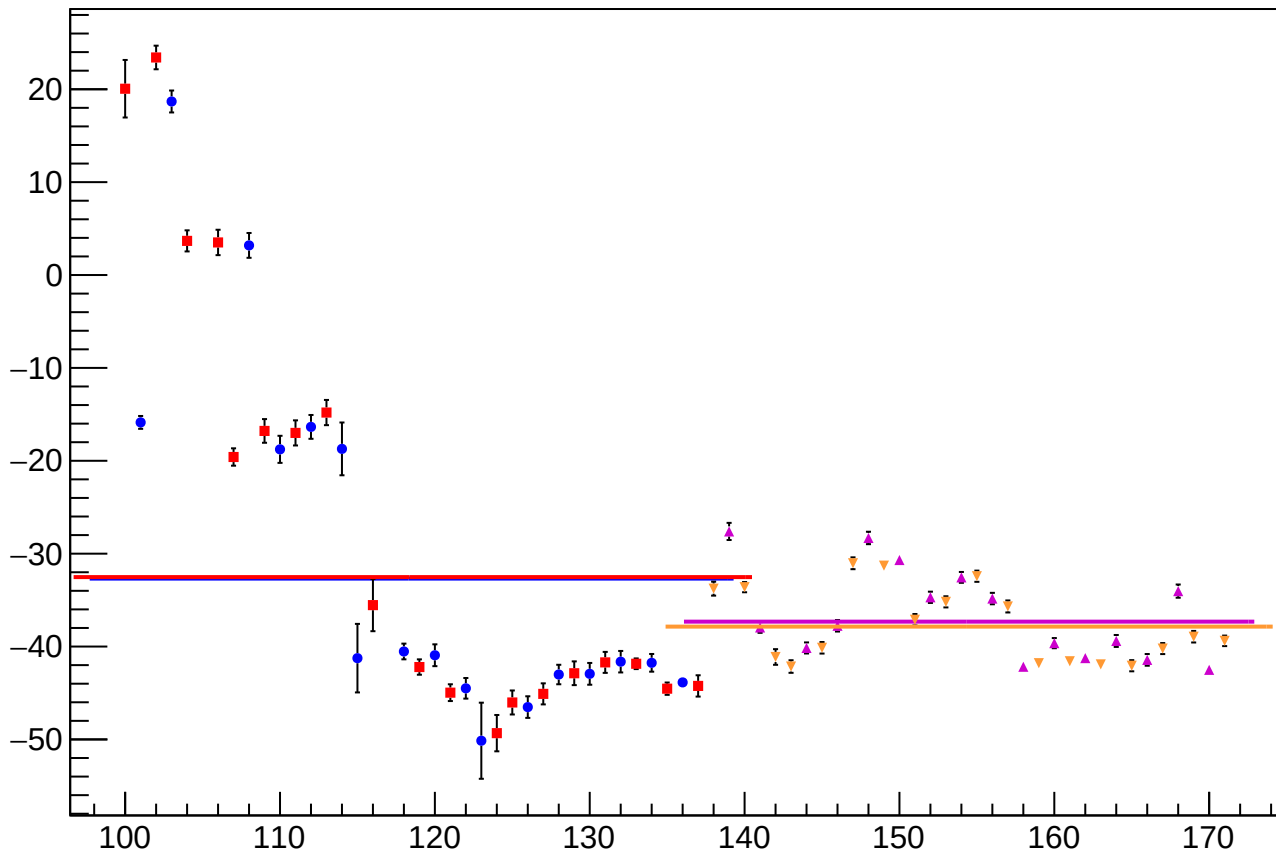
Left In: -9.194 ± 0.169 χ^2/NDF : 663.8/15

+ sign -7.415 ± 0.153 χ^2/NDF : 1029.6/34

All: -7.358 ± 0.109 χ^2/NDF : 2547.3/69

- sign -7.299 ± 0.155 χ^2/NDF : 1517.4/34

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 χ^2/NDF : 4646.9/16

Left Out: -37.854 ± 0.141 χ^2/NDF : 791.0/17

Right Out: -32.523 ± 0.244 χ^2/NDF : 6045.3/18

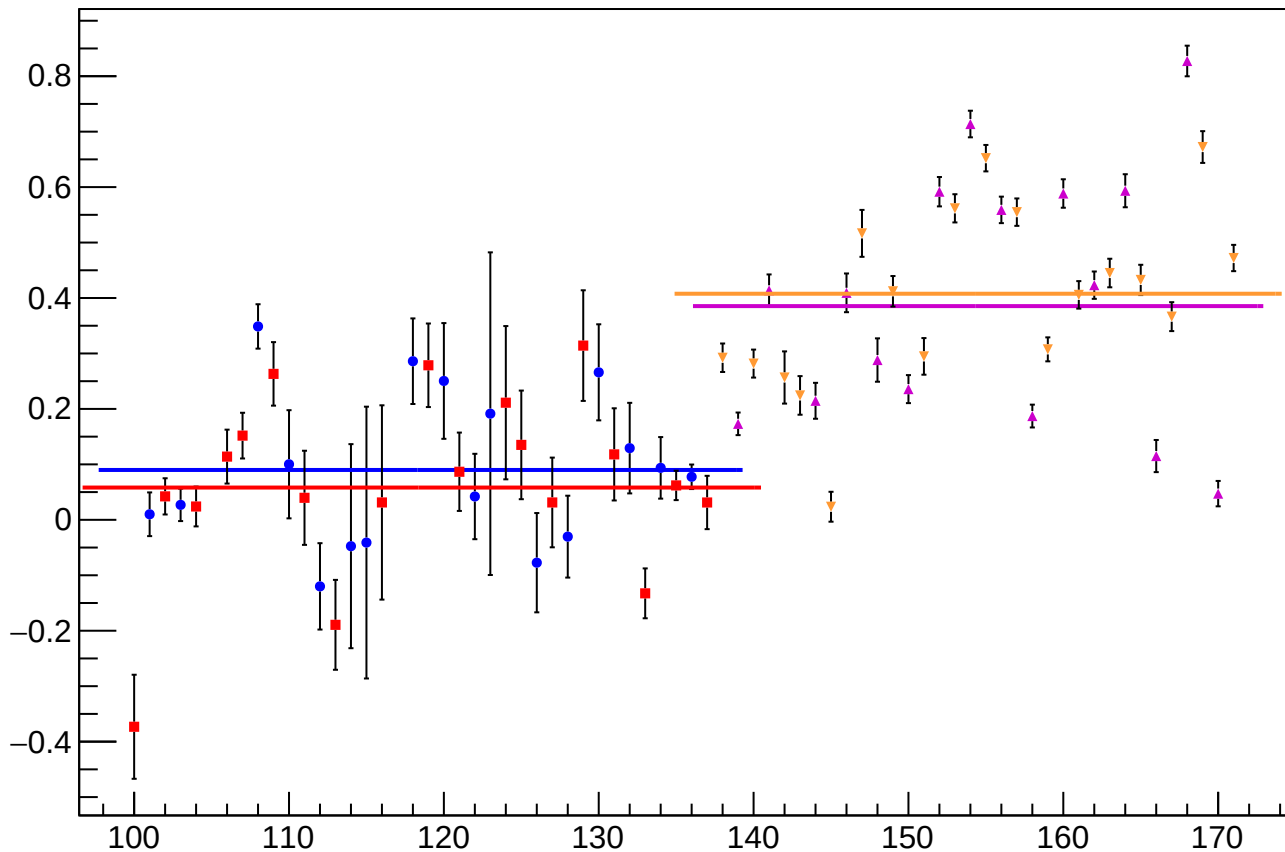
Left In: -37.319 ± 0.147 χ^2/NDF : 951.2/15

+ sign -36.655 ± 0.123 χ^2/NDF : 5751.9/34

All: -36.356 ± 0.088 χ^2/NDF : 13044.1/69

- sign -36.043 ± 0.126 χ^2/NDF : 7280.1/34

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 78.8/16$

Left Out: 0.408 ± 0.006 $\chi^2/\text{NDF}: 601.4/17$

Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

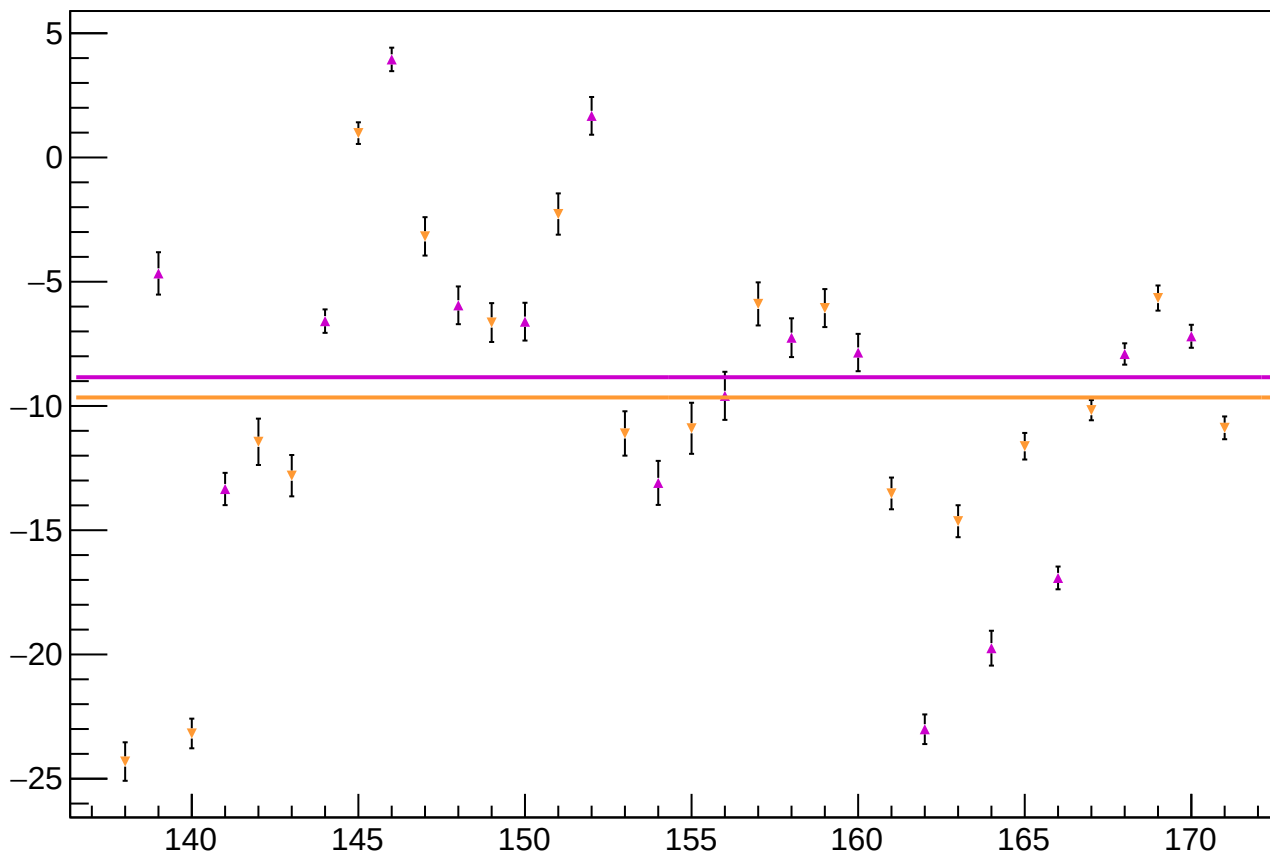
Left In: 0.385 ± 0.007 $\chi^2/\text{NDF}: 1247.6/15$

+ sign 0.344 ± 0.006 $\chi^2/\text{NDF}: 1177.3/34$

All: 0.328 ± 0.004 $\chi^2/\text{NDF}: 3089.1/69$

- sign 0.313 ± 0.006 $\chi^2/\text{NDF}: 1896.7/34$

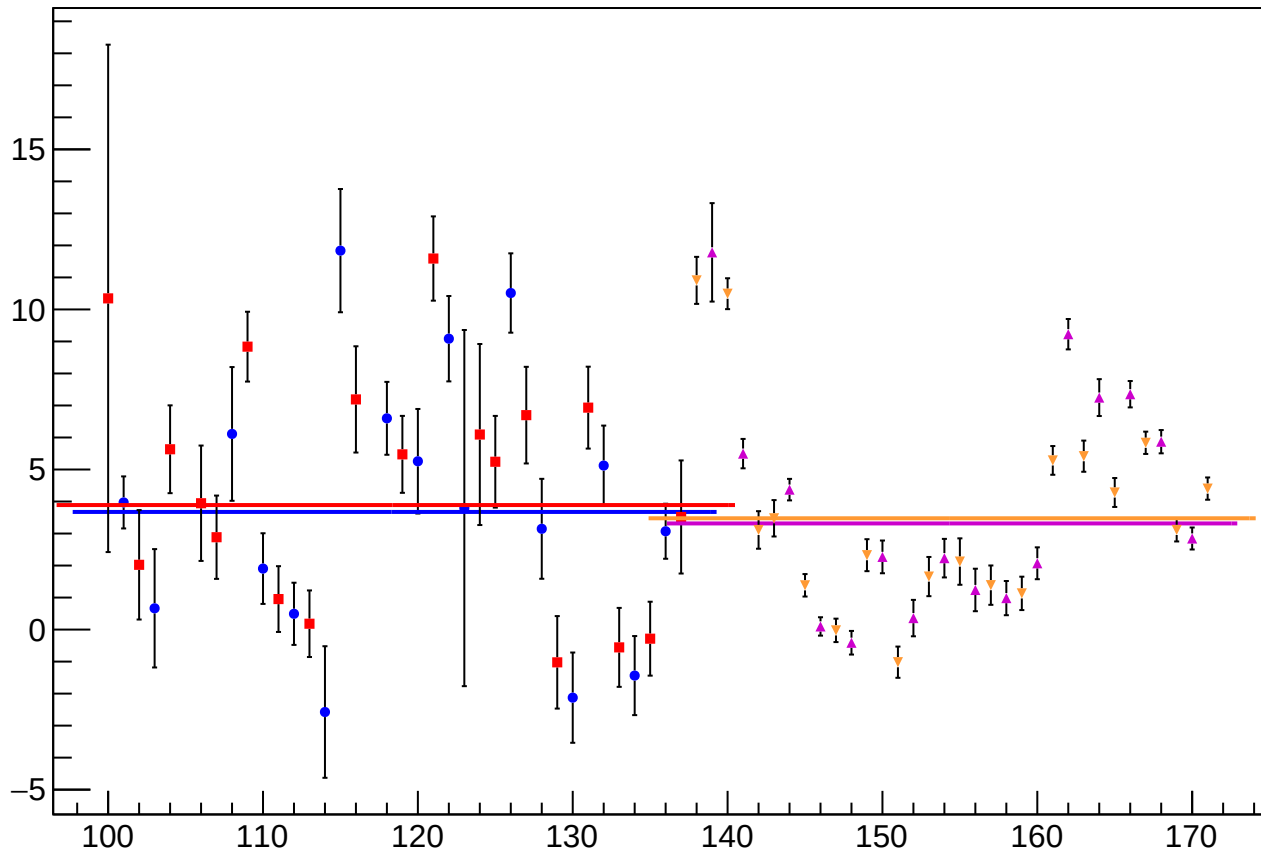
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.657 $\pm$ 0.148 χ^2 /NDF:1874.9/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -8.843 $\pm$ 0.152 χ^2 /NDF:2206.0/15

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -9.259 $\pm$ 0.106 χ^2 /NDF: 4095.7/33
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 3.476 ± 0.108 χ^2/NDF : 664.9/17

Right Out: 3.890 ± 0.316 χ^2/NDF : 133.7/18

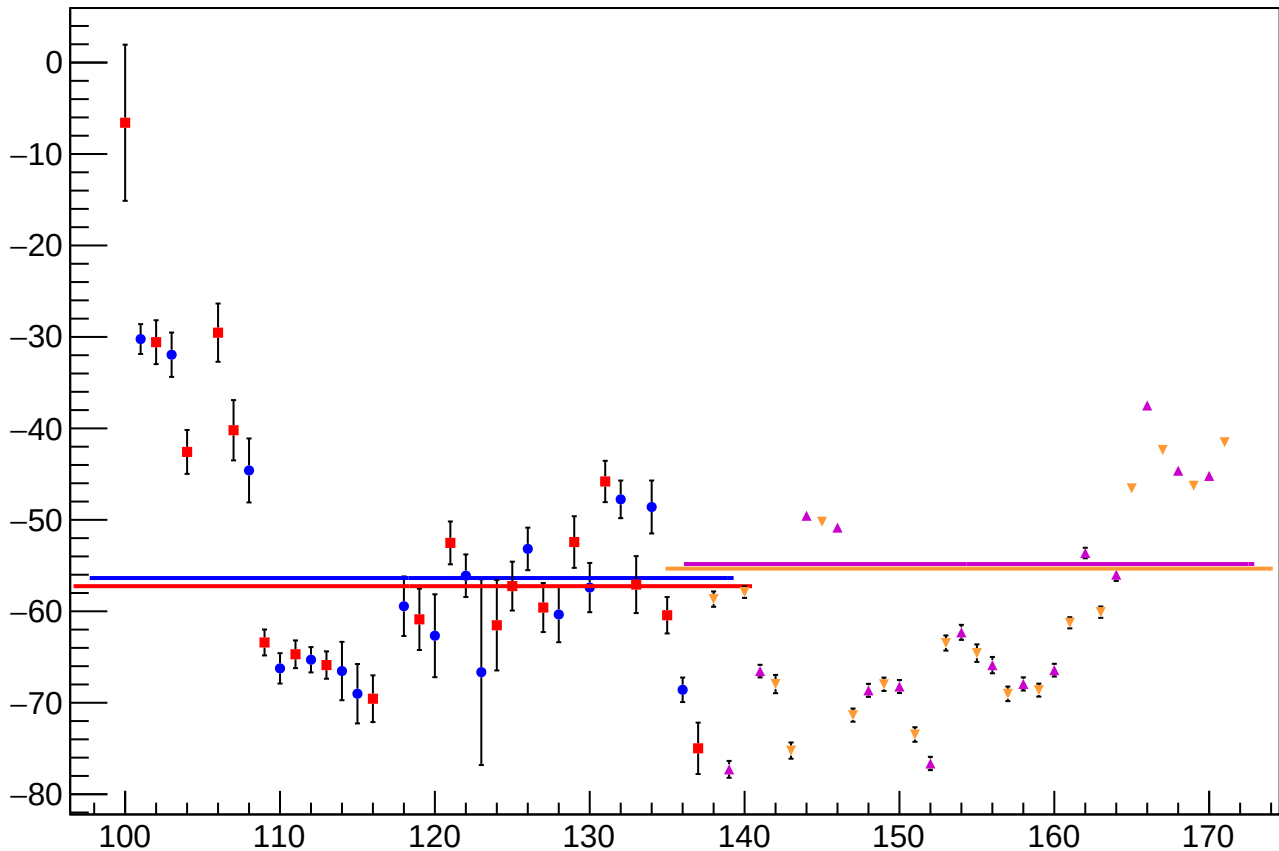
Left In: 3.316 ± 0.110 χ^2/NDF : 708.7/15

+ sign 3.498 ± 0.102 χ^2/NDF : 800.4/34

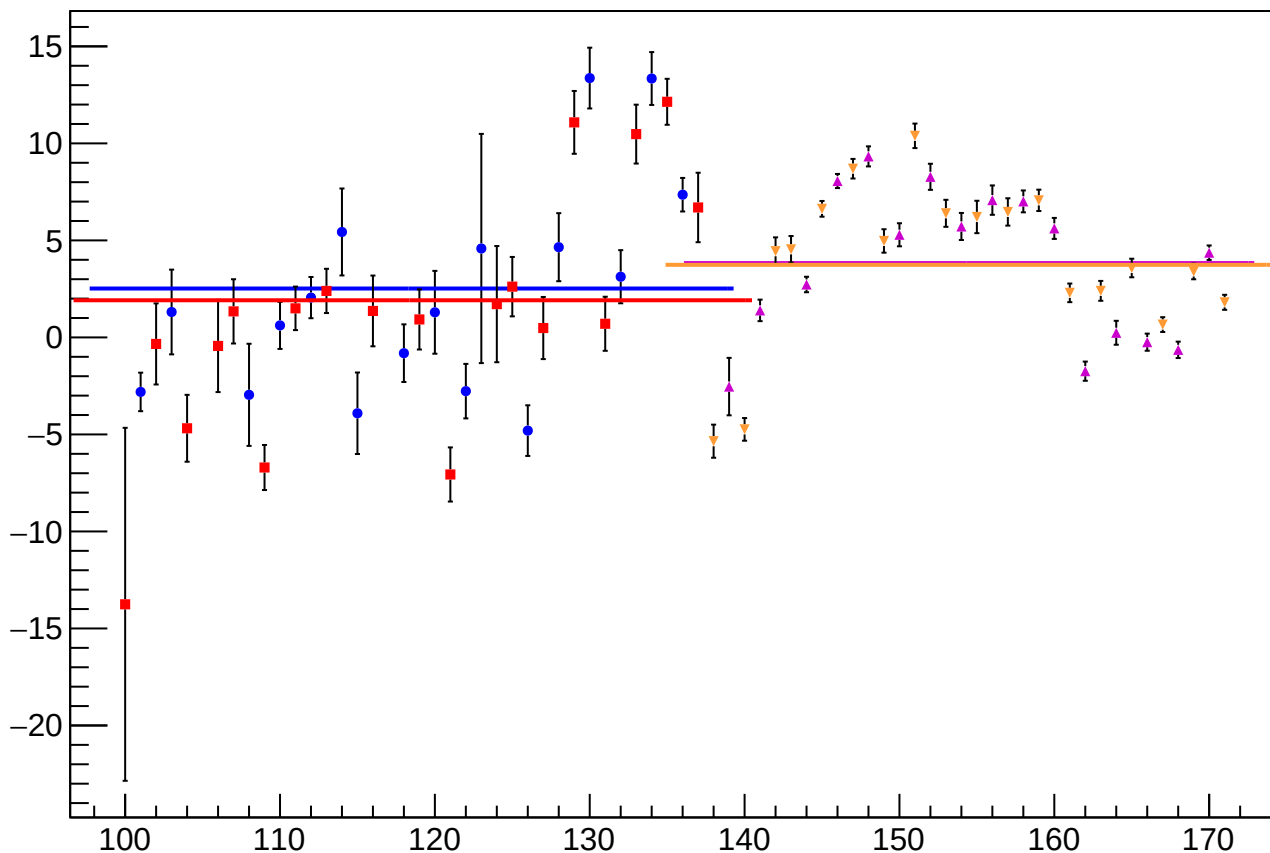
All: 3.439 ± 0.073 χ^2/NDF : 1646.5/69

- sign 3.378 ± 0.104 χ^2/NDF : 845.4/34

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 3.741 ± 0.124 χ^2/NDF : 770.2/17

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

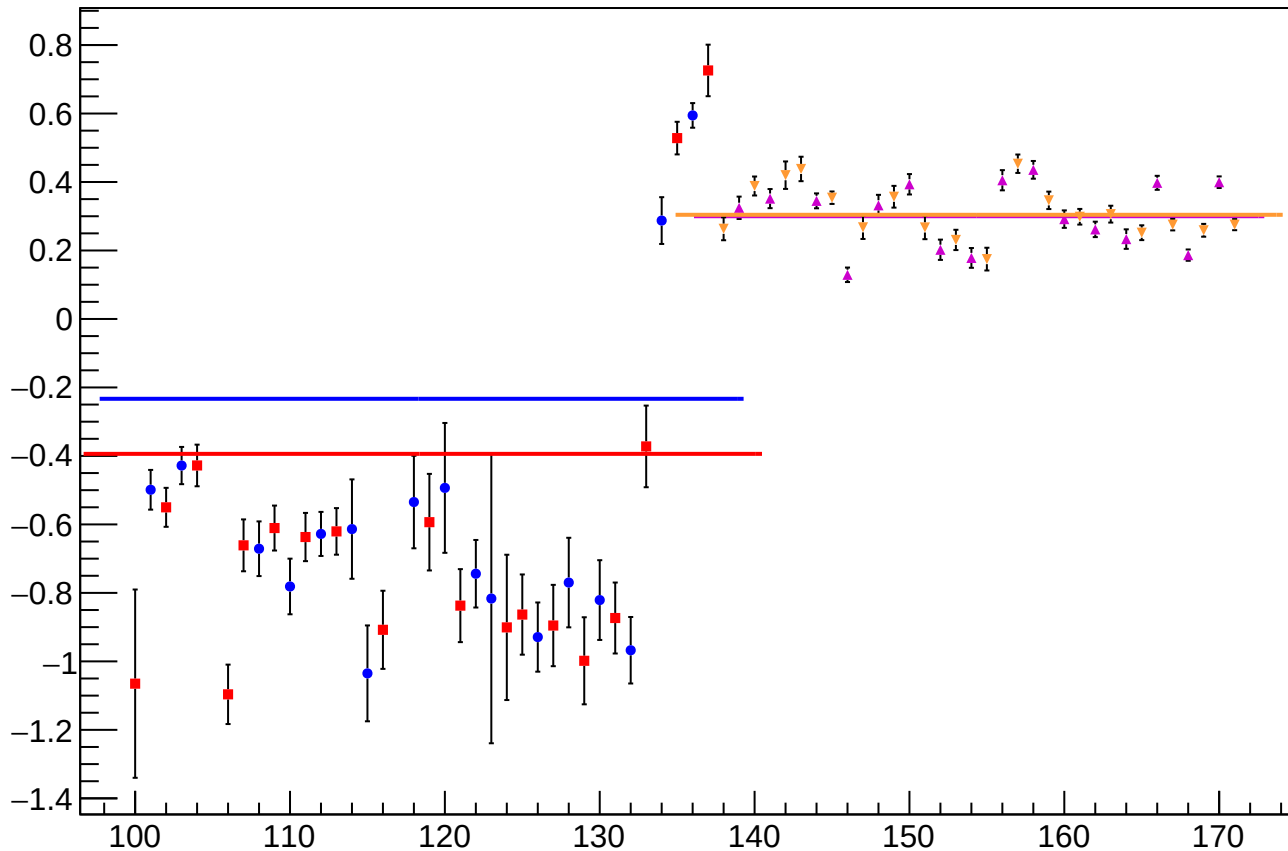
Left In: 3.831 ± 0.128 χ^2/NDF : 771.4/15

+ sign 3.602 ± 0.117 χ^2/NDF : 1023.6/34

All: 3.606 ± 0.084 χ^2/NDF : 2085.3/69

- sign 3.611 ± 0.120 χ^2/NDF : 1061.7/34

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.304 ± 0.006 χ^2/NDF : 118.4/17

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

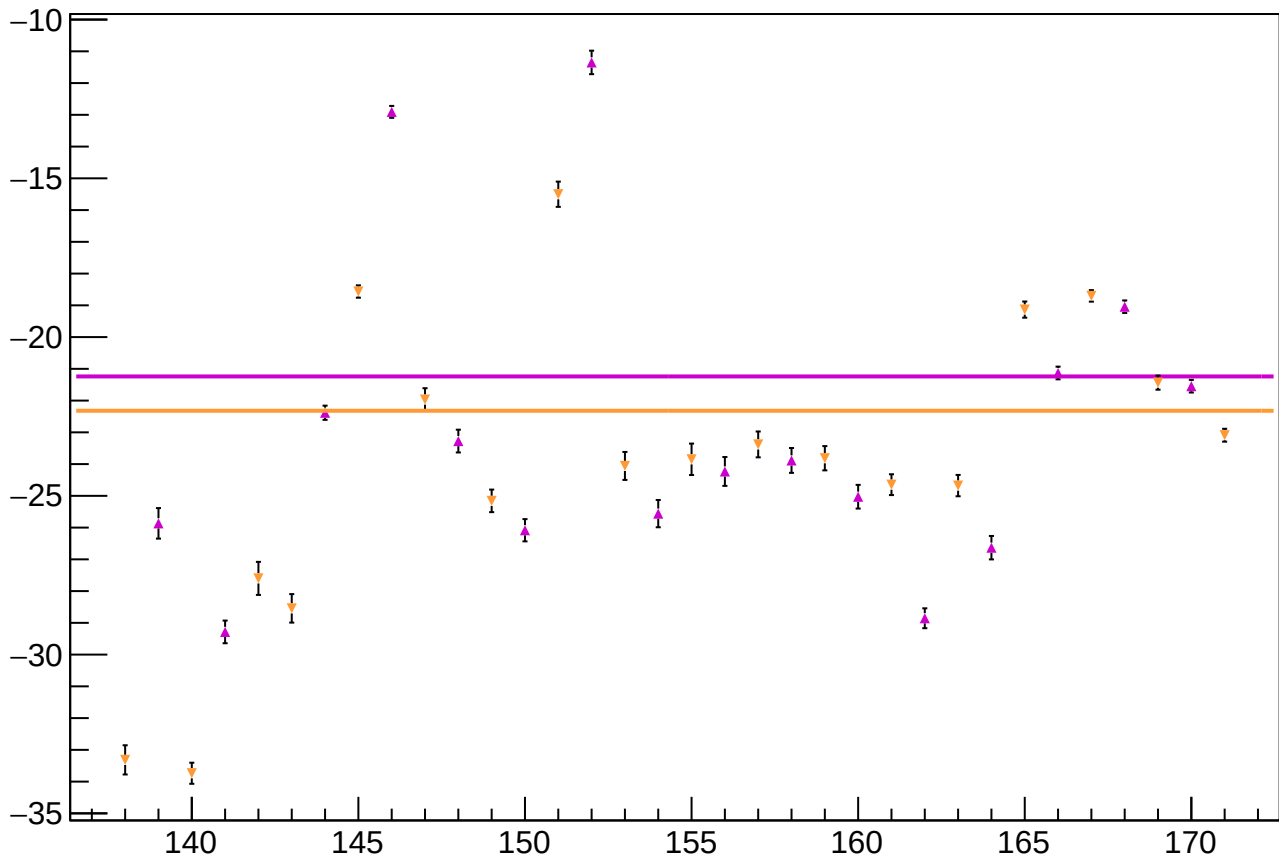
Left In: 0.300 ± 0.006 χ^2/NDF : 266.2/15

+ sign 0.259 ± 0.006 χ^2/NDF : 1814.7/34

All: 0.248 ± 0.004 χ^2/NDF : 4148.6/69

- sign 0.238 ± 0.006 χ^2/NDF : 2326.8/34

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -22.320+/-0.070 χ^2/NDF : 3508.9/17

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

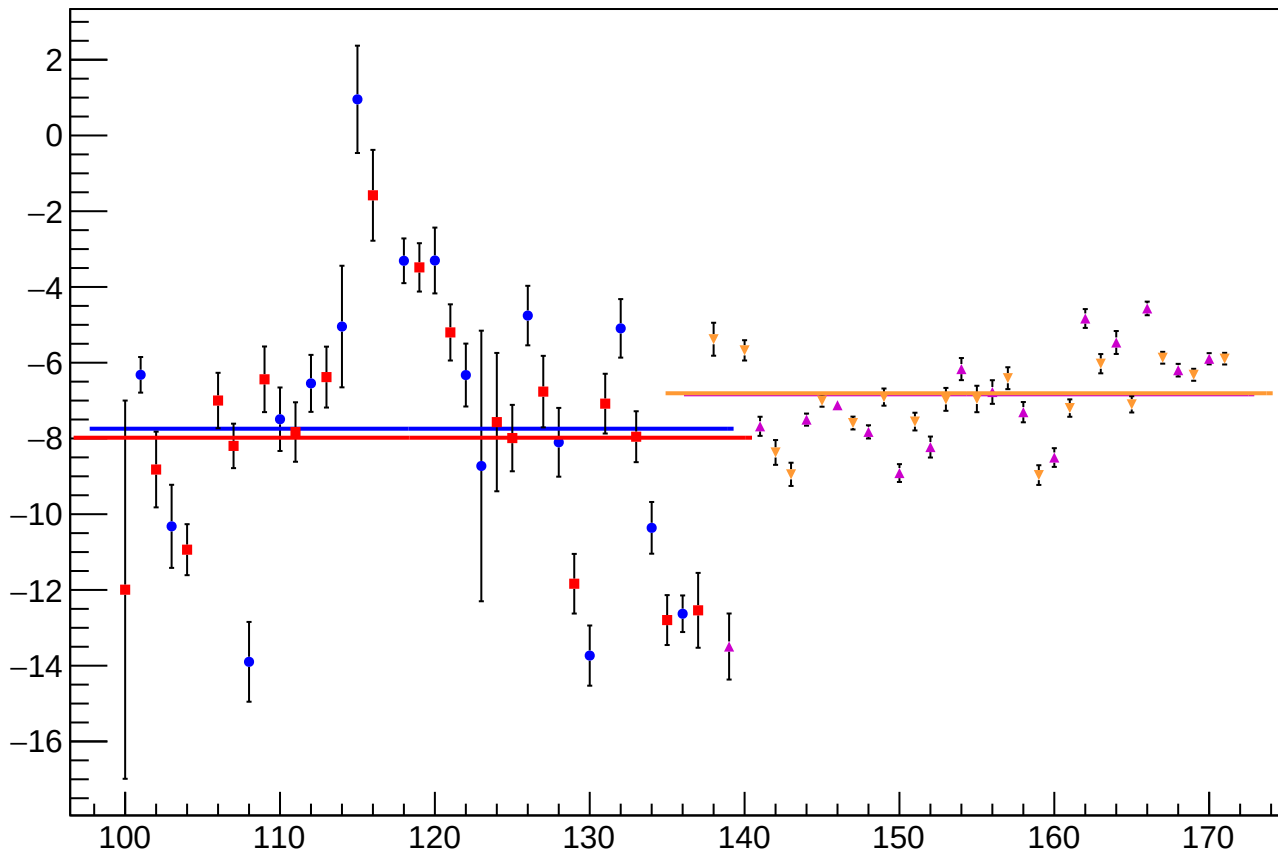
Left In: -21.239+/-0.071 χ^2/NDF : 4766.9/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.780+/-0.050 χ^2/NDF : 8393.4/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -6.807 ± 0.052 χ^2/NDF : 300.1/17

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

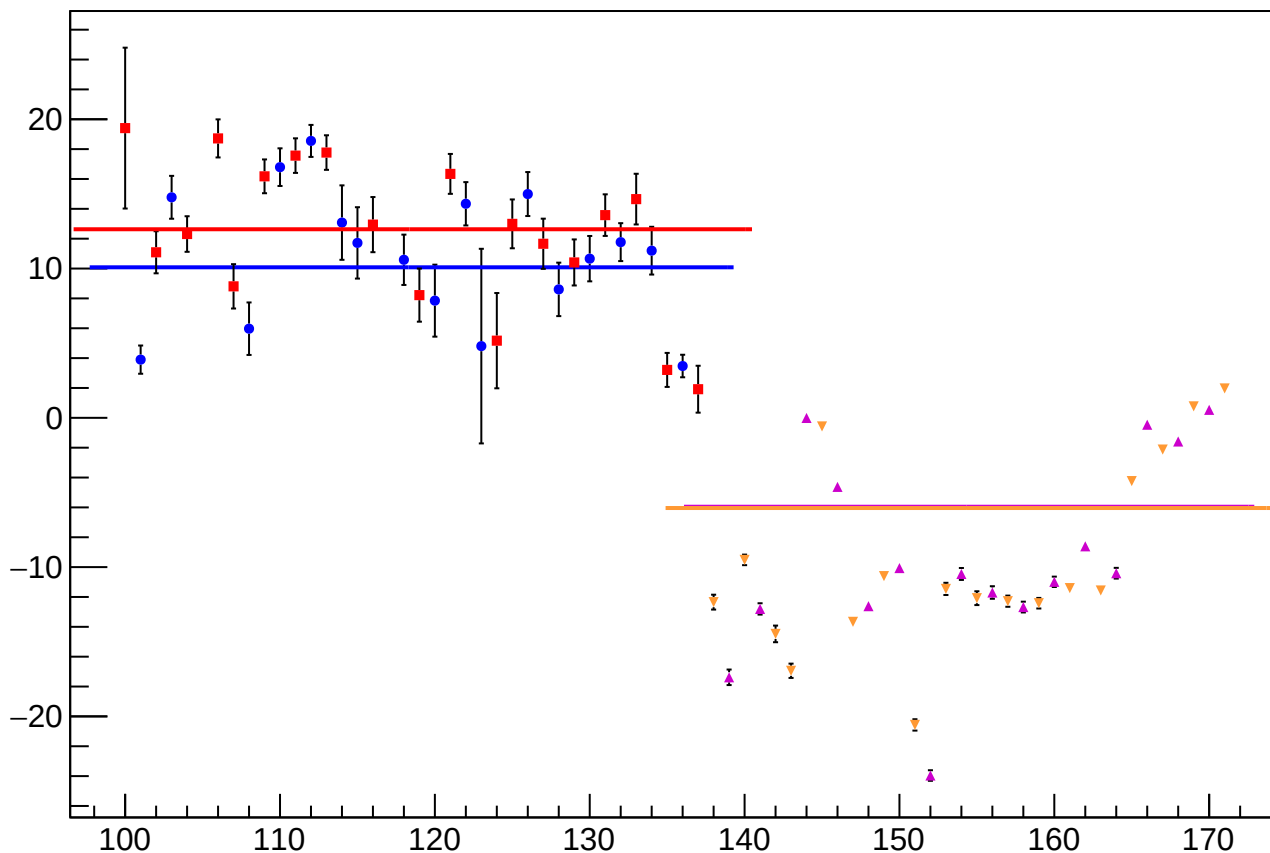
Left In: -6.835 ± 0.051 χ^2/NDF : 581.3/15

+ sign -6.873 ± 0.050 χ^2/NDF : 700.9/34

All: -6.894 ± 0.035 χ^2/NDF : 1541.4/69

- sign -6.915 ± 0.049 χ^2/NDF : 840.2/34

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -6.042 ± 0.070 χ^2/NDF : 8381.7/17

Right Out: 12.632 ± 0.333 χ^2/NDF : 218.6/18

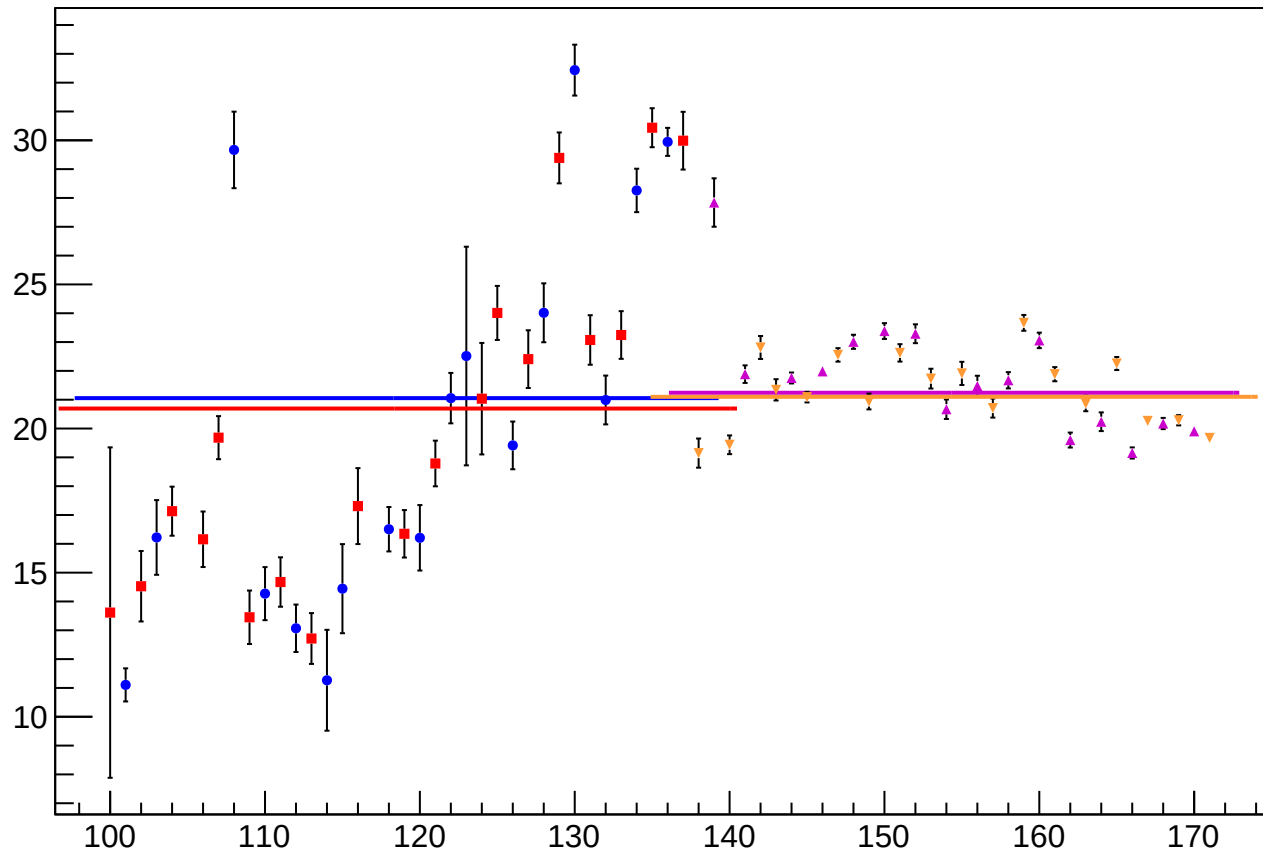
Left In: -5.955 ± 0.070 χ^2/NDF : 7974.4/15

+ sign -5.373 ± 0.069 χ^2/NDF : 10816.9/34

All: -5.272 ± 0.048 χ^2/NDF : 22004.7/69

- sign -5.173 ± 0.068 χ^2/NDF : 11183.6/34

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055 $\pm$ 0.211 χ^2 /NDF: 1211.8/16

Left Out: 21.100 $\pm$ 0.059 χ^2 /NDF: 372.0/17

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

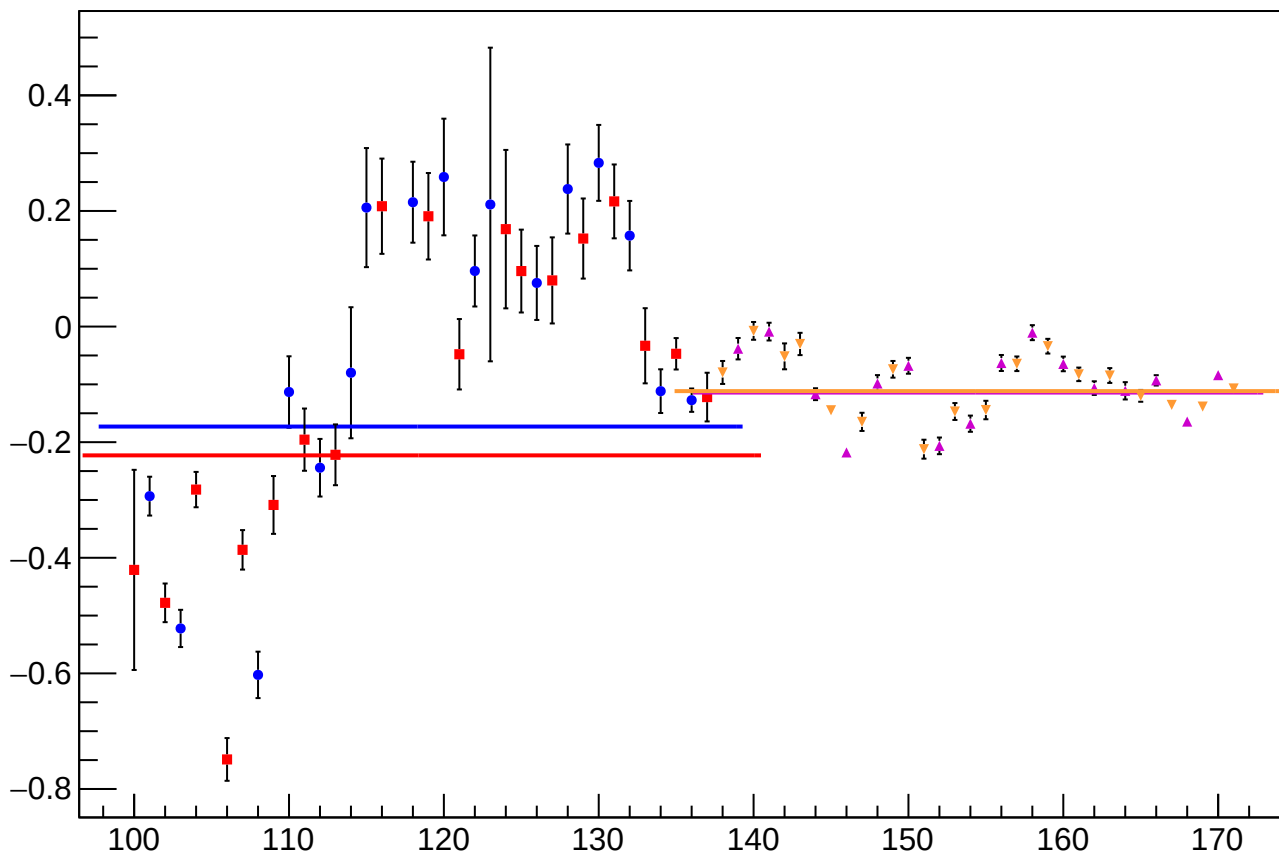
Left In: 21.241 $\pm$ 0.059 χ^2 /NDF: 569.4/15

+ sign 21.097 $\pm$ 0.057 χ^2 /NDF: 1583.8/34

All: 21.149 $\pm$ 0.040 χ^2 /NDF: 2885.1/69

- sign 21.201 $\pm$ 0.057 χ^2 /NDF: 1299.6/34

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.112 ± 0.003 χ^2/NDF : 239.9/17

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

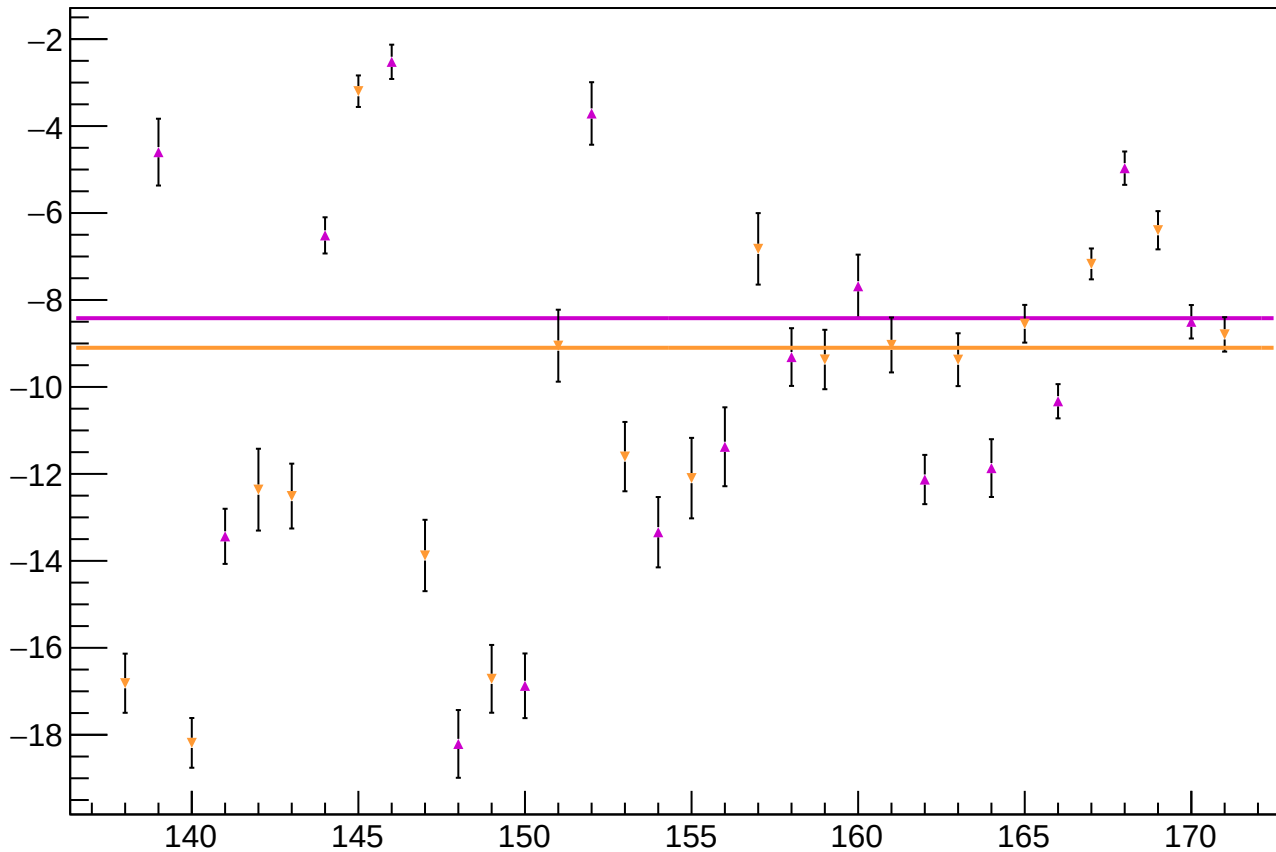
Left In: -0.114 ± 0.003 χ^2/NDF : 442.7/15

+ sign -0.115 ± 0.003 χ^2/NDF : 730.0/34

All: -0.118 ± 0.002 χ^2/NDF : 1802.4/69

- sign -0.121 ± 0.003 χ^2/NDF : 1070.2/34

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: -9.099 $\pm$ 0.133 χ^2 /NDF: 905.8/17

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

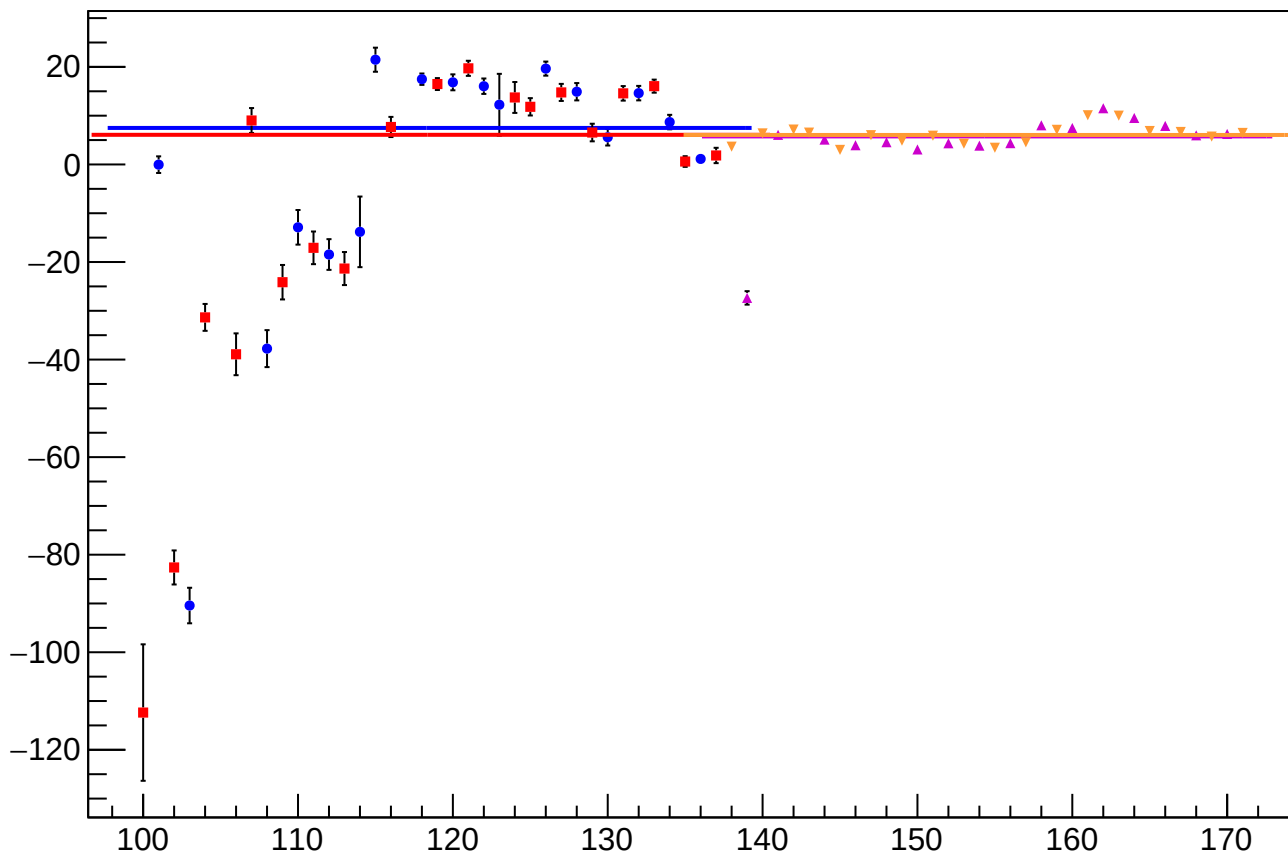
Left In: -8.419 $\pm$ 0.136 χ^2 /NDF: 886.4/15

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

All: -8.767 $\pm$ 0.095 χ^2 /NDF: 1805.1/33

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

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 6.047 ± 0.098 χ^2/NDF : 345.2/17

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

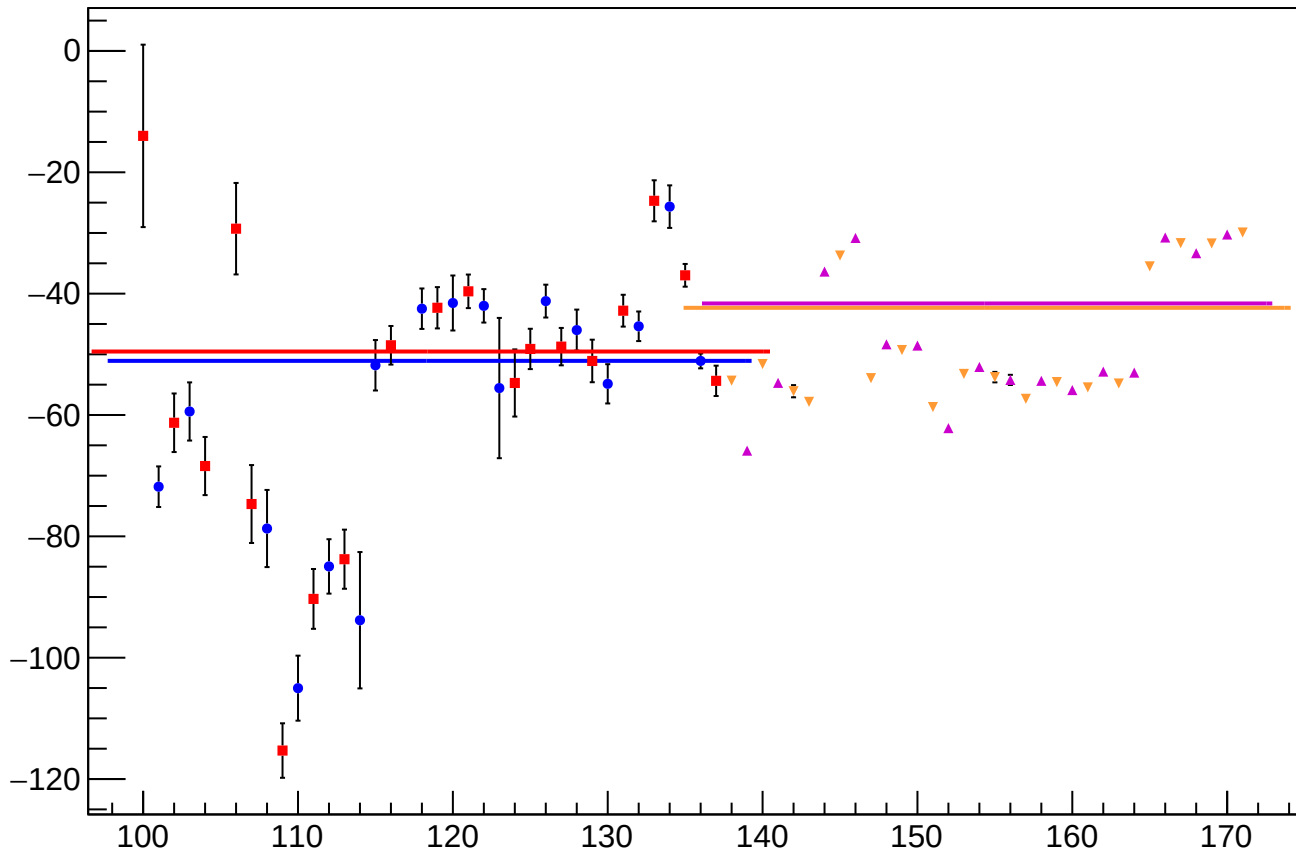
Left In: 5.746 ± 0.100 χ^2/NDF : 983.4/15

+ sign 6.126 ± 0.096 χ^2/NDF : 1697.6/34

All: 5.948 ± 0.068 χ^2/NDF : 4200.8/69

- sign 5.763 ± 0.097 χ^2/NDF : 2496.1/34

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -42.336 ± 0.133 χ^2/NDF : 7049.1/17

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

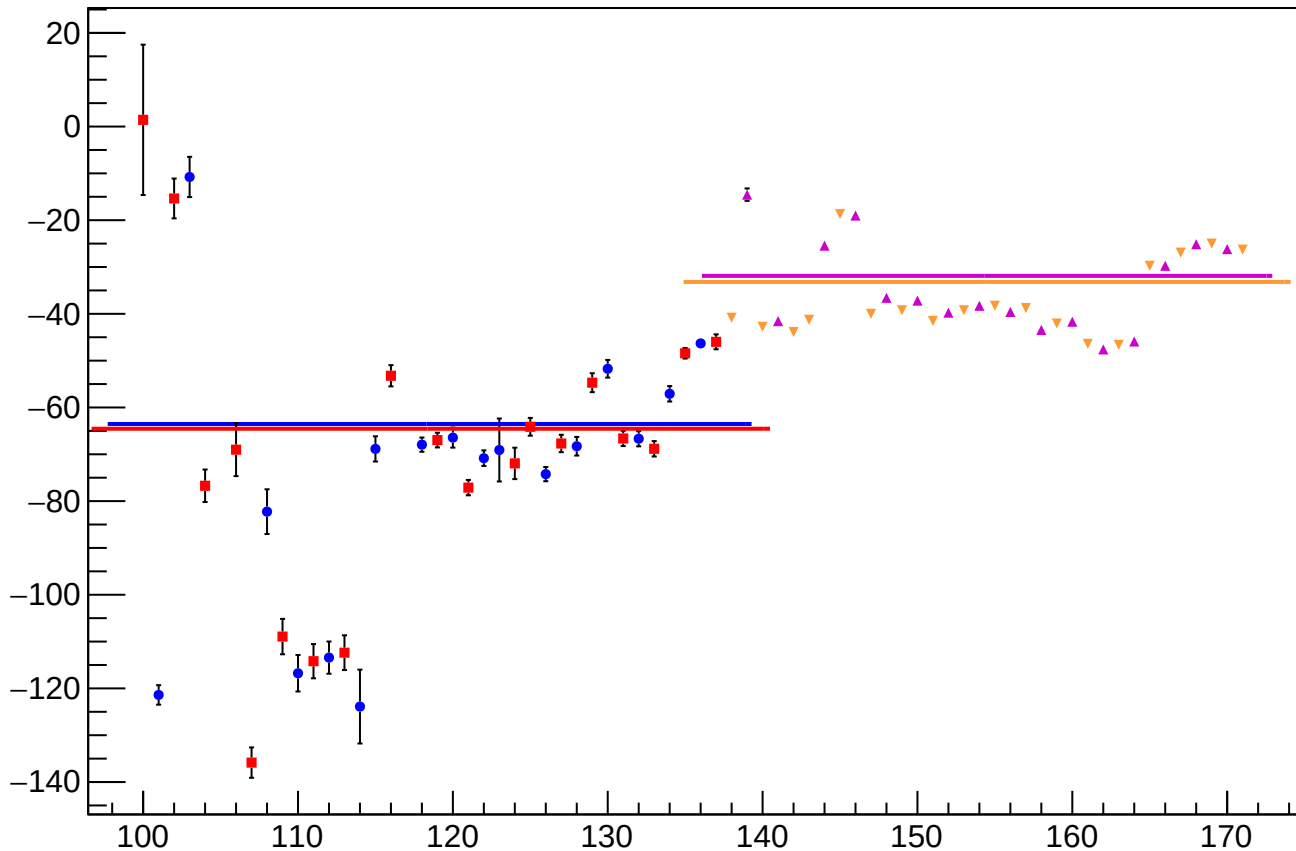
Left In: -41.619 ± 0.135 χ^2/NDF : 7345.2/15

+ sign -42.609 ± 0.131 χ^2/NDF : 7514.1/34

All: -42.229 ± 0.093 χ^2/NDF : 15481.6/69

- sign -41.838 ± 0.133 χ^2/NDF : 7950.4/34

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -33.189 ± 0.112 χ^2/NDF : 6600.5/17

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

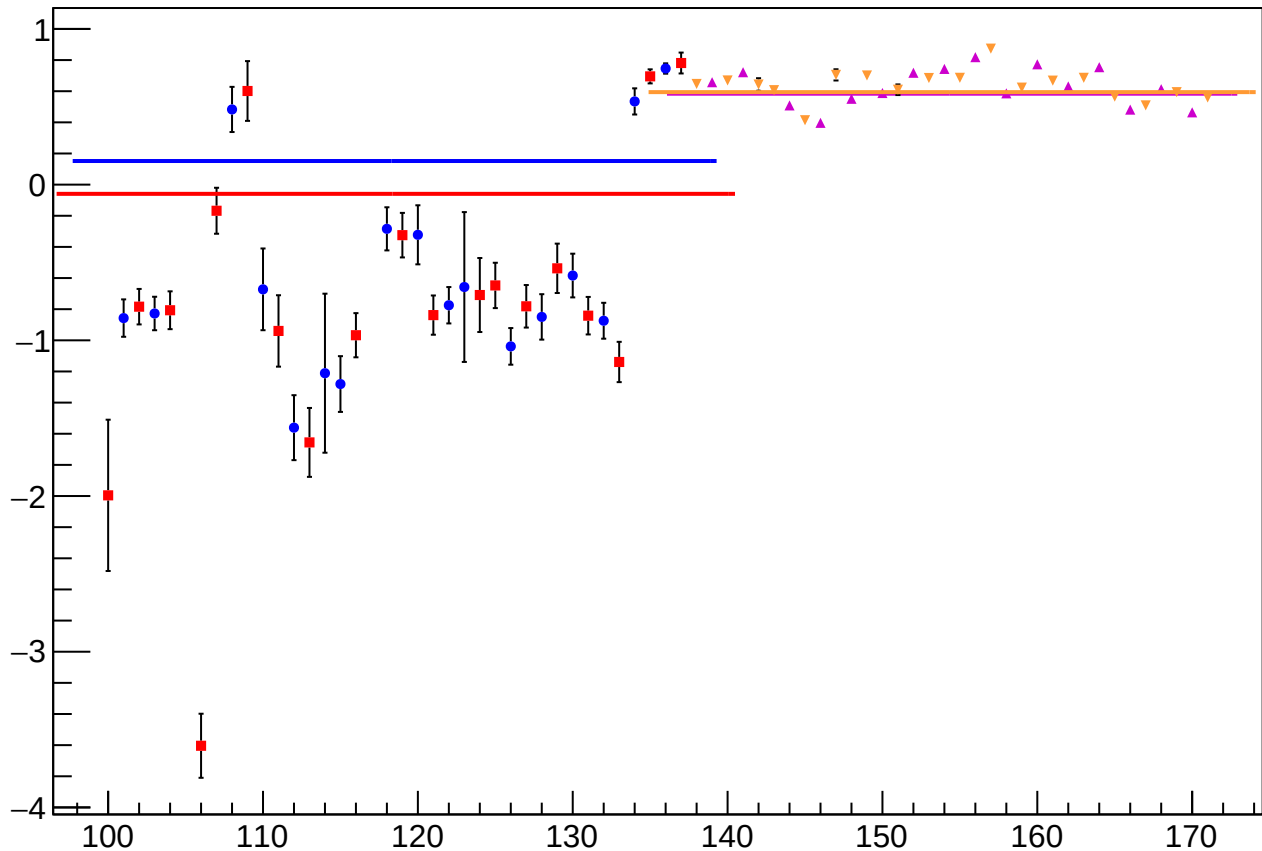
Left In: -31.891 ± 0.115 χ^2/NDF : 6343.4/15

+ sign -34.972 ± 0.109 χ^2/NDF : 12914.5/34

All: -34.329 ± 0.078 χ^2/NDF : 25256.8/69

- sign -33.648 ± 0.112 χ^2/NDF : 12270.5/34

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.594 ± 0.005 χ^2/NDF : 386.4/17

Right Out: -0.059 ± 0.026 χ^2/NDF : 1161.9/18

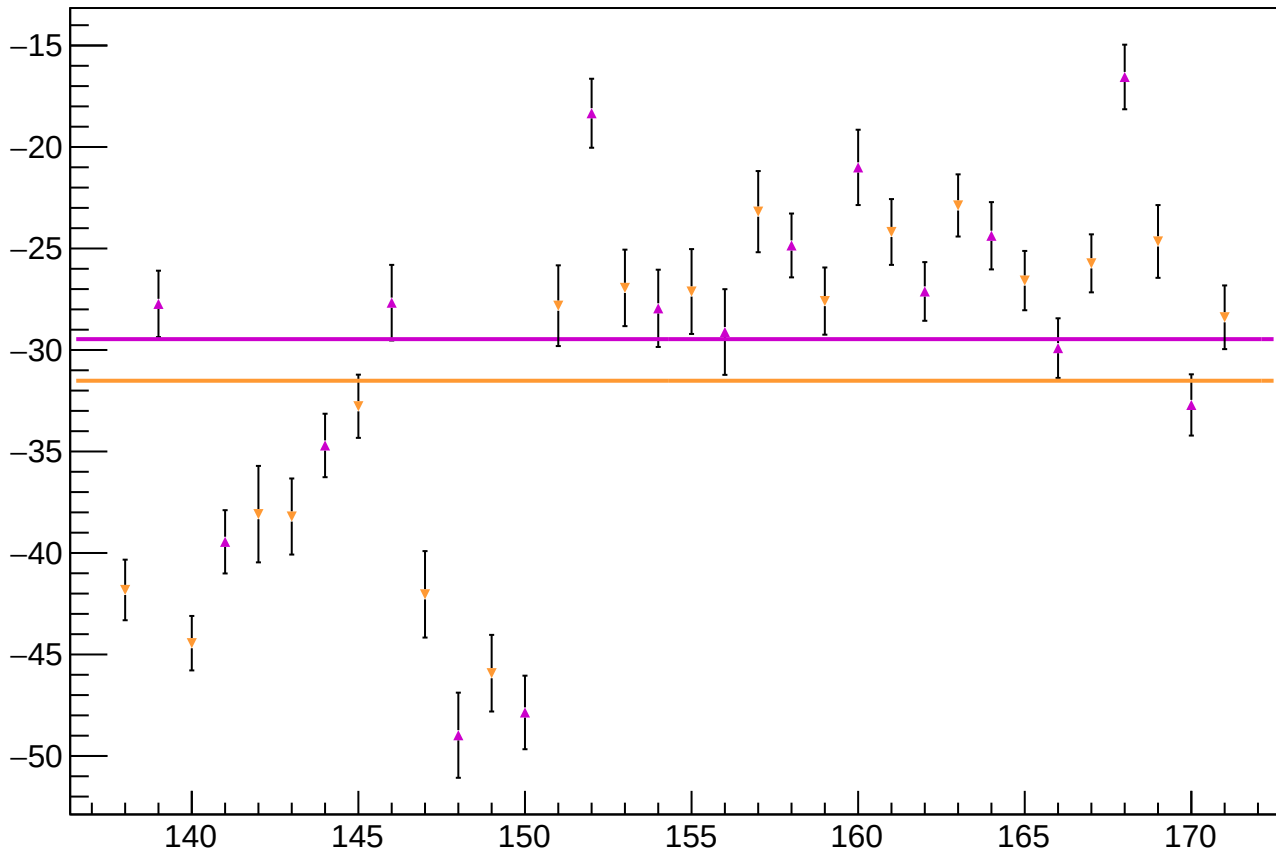
Left In: 0.584 ± 0.005 χ^2/NDF : 502.5/15

+ sign 0.575 ± 0.005 χ^2/NDF : 1697.7/34

All: 0.567 ± 0.004 χ^2/NDF : 3941.7/69

- sign 0.558 ± 0.005 χ^2/NDF : 2238.9/34

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.515+/-0.400 χ^2/NDF : 379.7/17

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

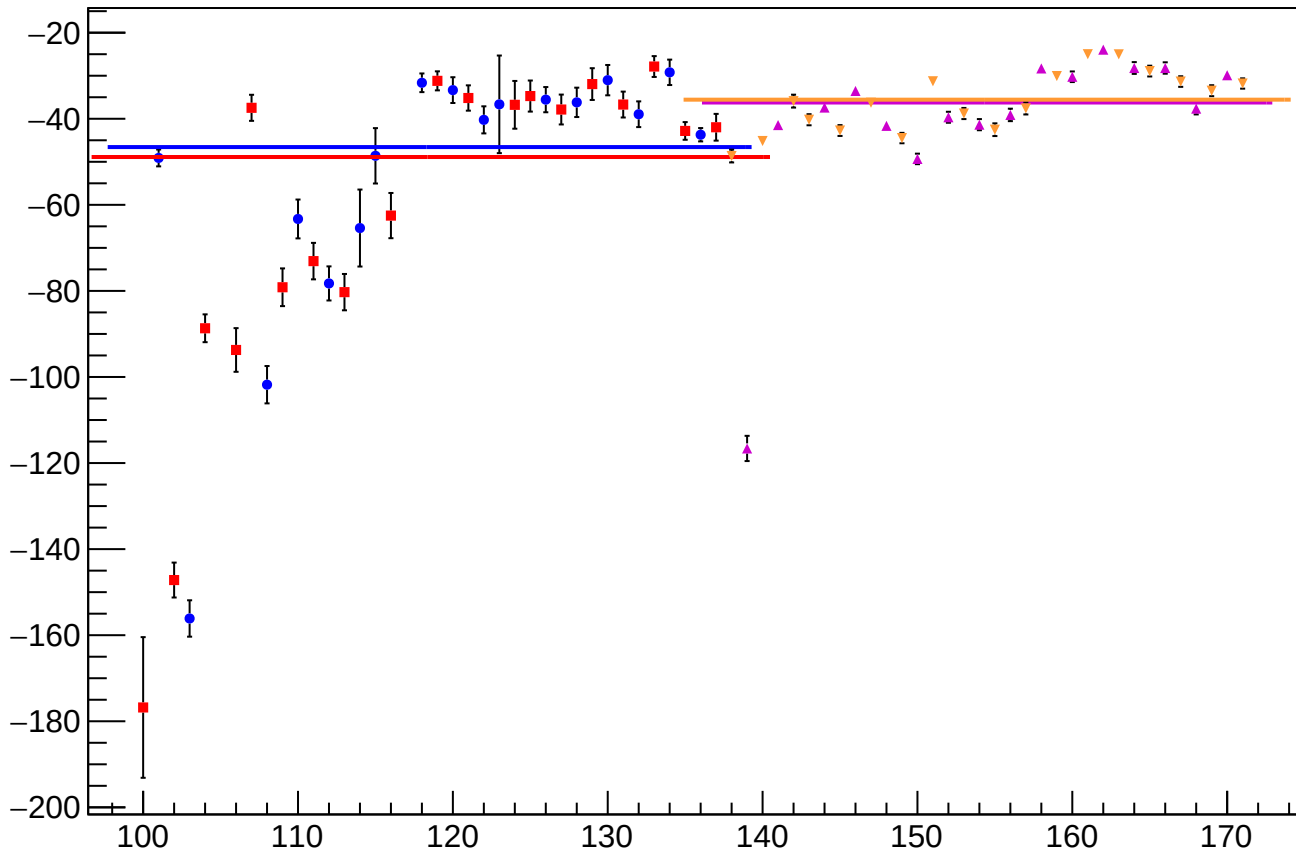
Left In: -29.465+/-0.419 χ^2/NDF : 399.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -30.537+/-0.289 χ^2/NDF : 791.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -35.565 ± 0.291 χ^2/NDF : 542.3/17

Right Out: -48.888 ± 0.763 χ^2/NDF : 1277.5/18

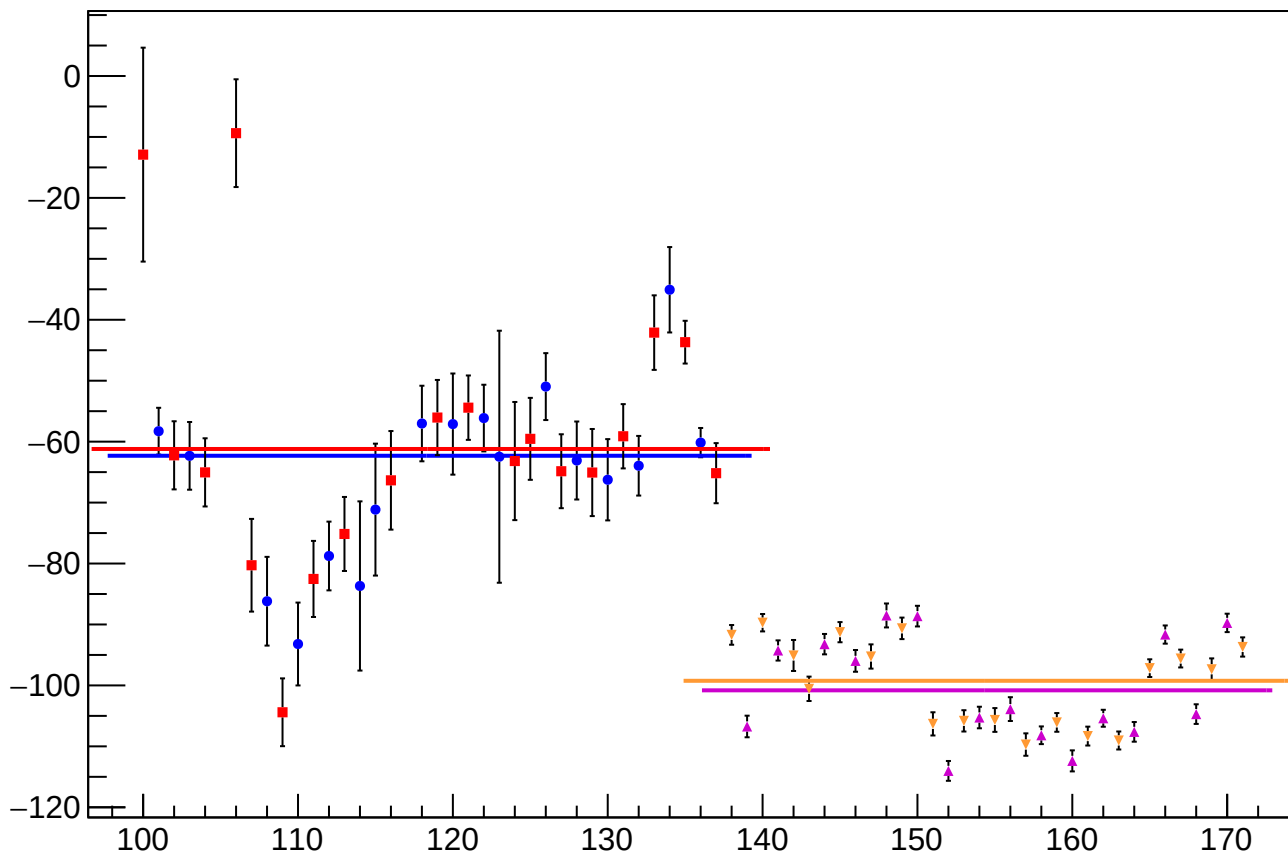
Left In: -36.225 ± 0.309 χ^2/NDF : 1244.4/15

+ sign -37.078 ± 0.270 χ^2/NDF : 1815.3/34

All: -37.515 ± 0.197 χ^2/NDF : 4579.2/69

- sign -38.003 ± 0.286 χ^2/NDF : 2758.4/34

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -99.242 ± 0.397 χ^2/NDF : 311.3/17

Right Out: -61.203 ± 1.381 χ^2/NDF : 165.0/18

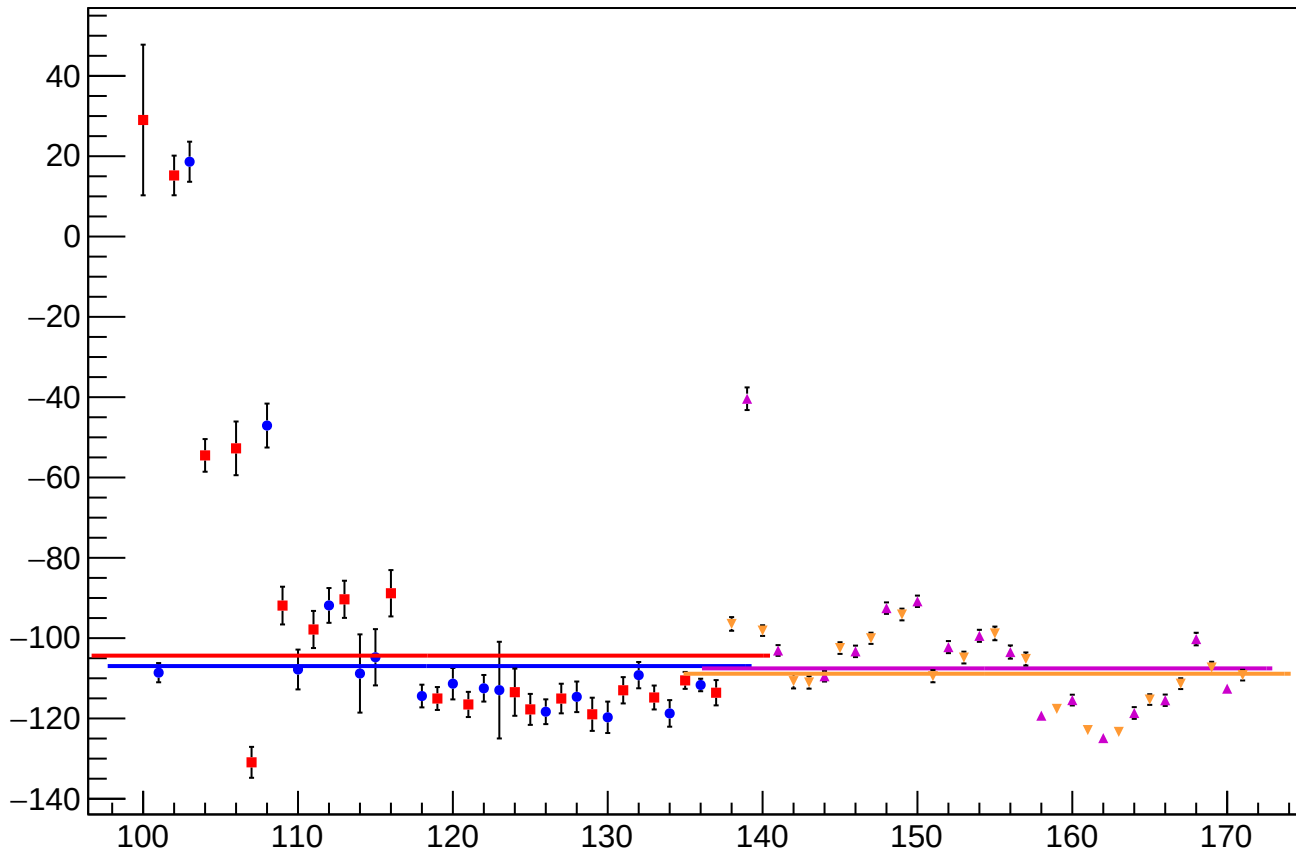
Left In: -100.807 ± 0.412 χ^2/NDF : 416.8/15

+ sign -96.154 ± 0.380 χ^2/NDF : 1100.4/34

All: -96.839 ± 0.274 χ^2/NDF : 2444.3/69

- sign -97.576 ± 0.394 χ^2/NDF : 1337.2/34

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -108.863 ± 0.334 χ^2/NDF : 686.0/17

Right Out: -104.356 ± 0.861 χ^2/NDF : 1021.0/18

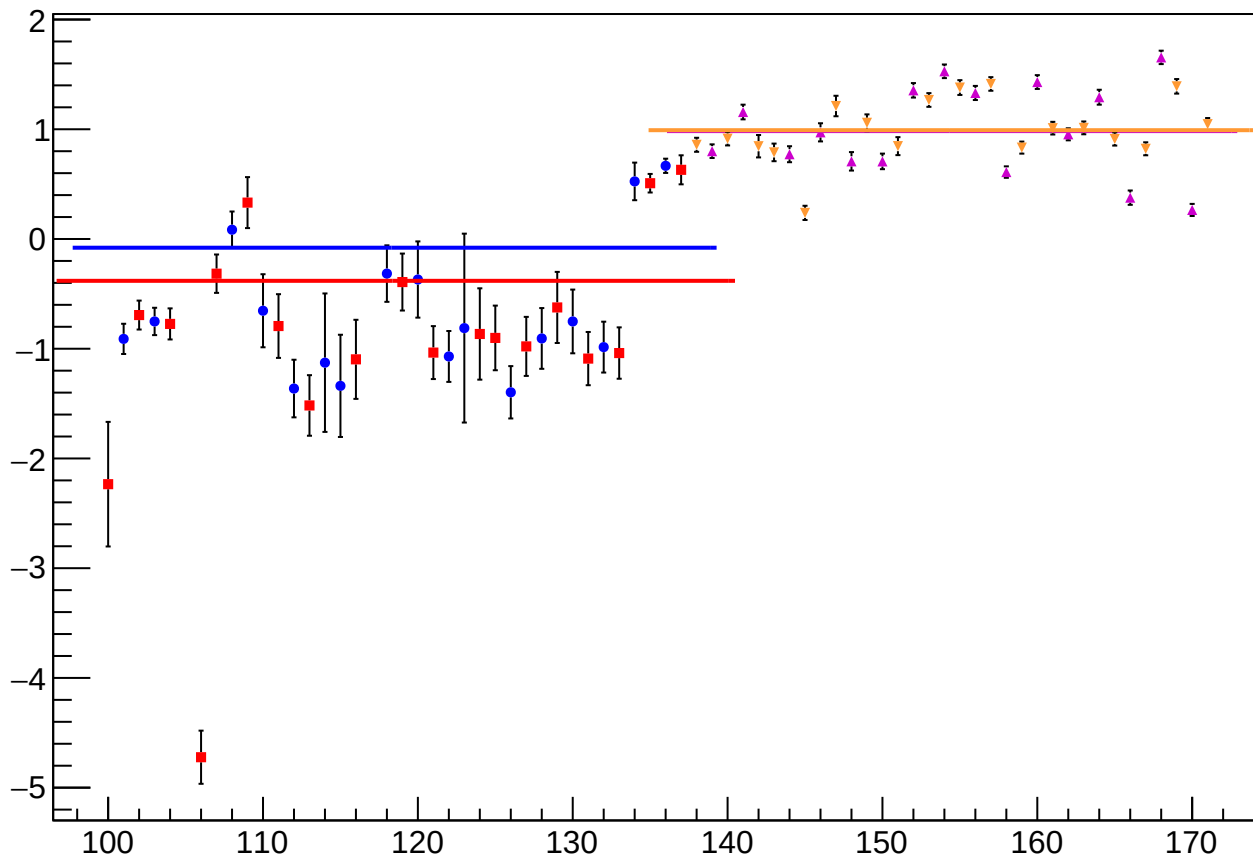
Left In: -107.532 ± 0.353 χ^2/NDF : 1362.2/15

+ sign -108.589 ± 0.310 χ^2/NDF : 1518.0/34

All: -107.873 ± 0.225 χ^2/NDF : 3924.1/69

- sign -107.076 ± 0.326 χ^2/NDF : 2394.8/34

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.991 ± 0.015 χ^2/NDF : 313.1/17

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

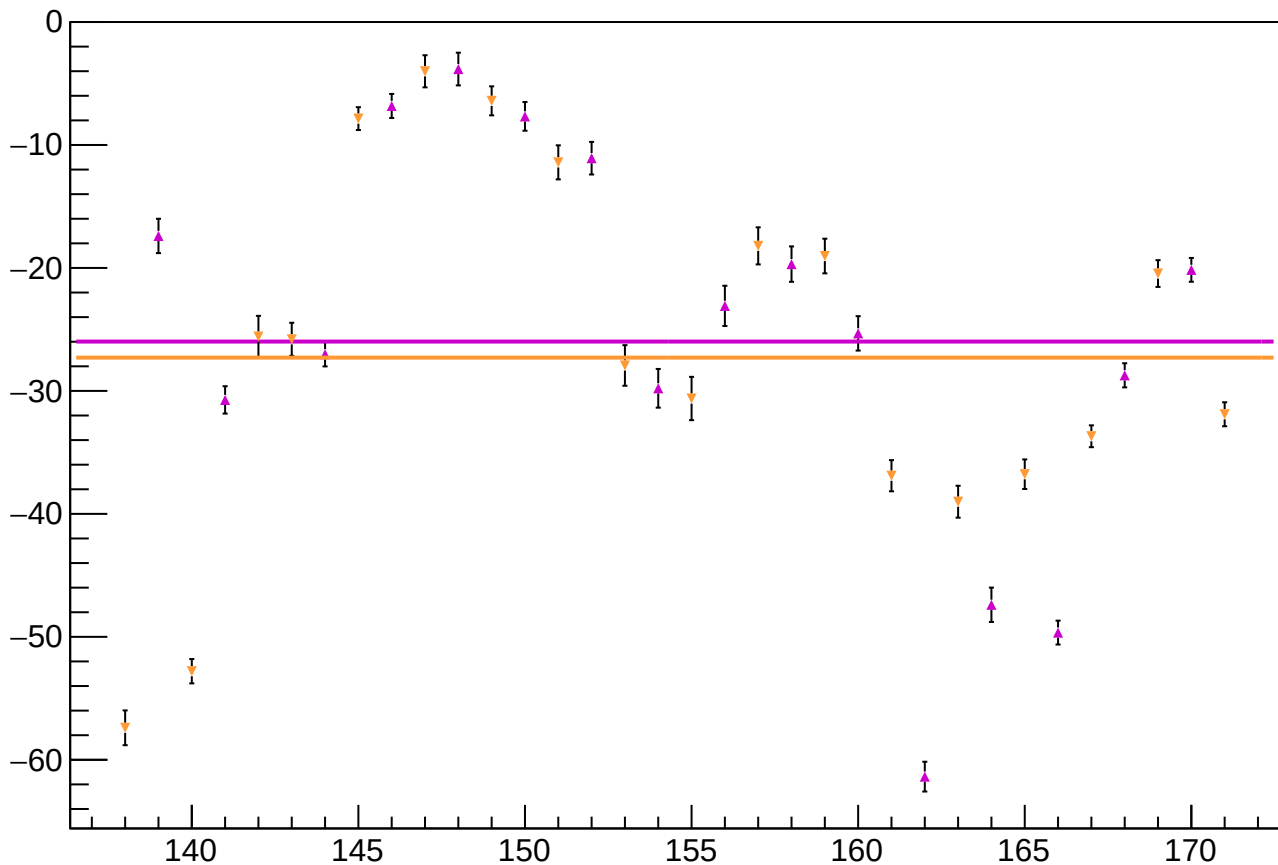
Left In: 0.983 ± 0.016 χ^2/NDF : 686.7/15

+ sign 0.865 ± 0.015 χ^2/NDF : 1208.0/34

All: 0.845 ± 0.010 χ^2/NDF : 3327.6/69

- sign 0.823 ± 0.015 χ^2/NDF : 2115.6/34

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -27.293 ± 0.287 χ^2/NDF : 2708.0/17

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

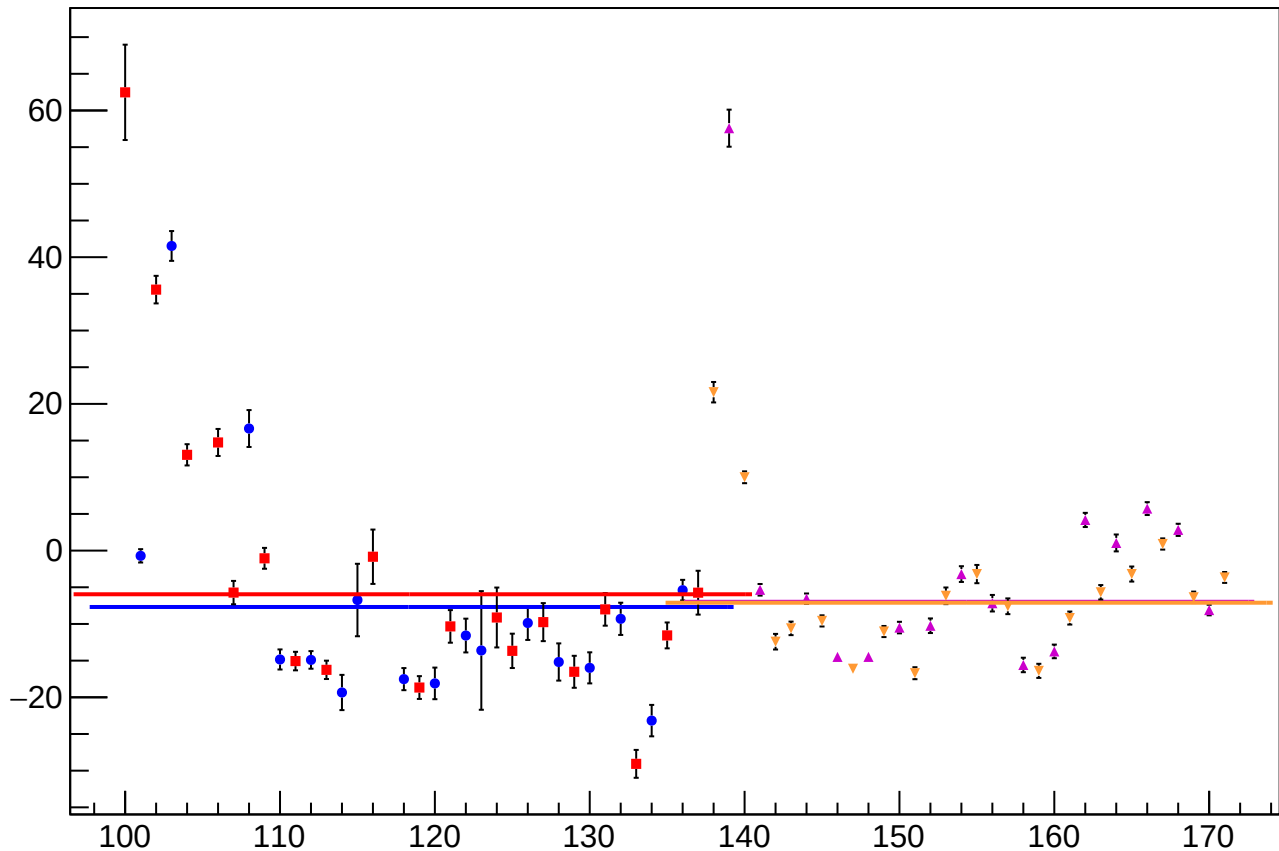
Left In: -25.987 ± 0.296 χ^2/NDF : 2845.9/15

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -26.660 ± 0.206 χ^2/NDF : 5563.9/33

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -7.105 ± 0.207 χ^2/NDF : 1553.2/17

Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

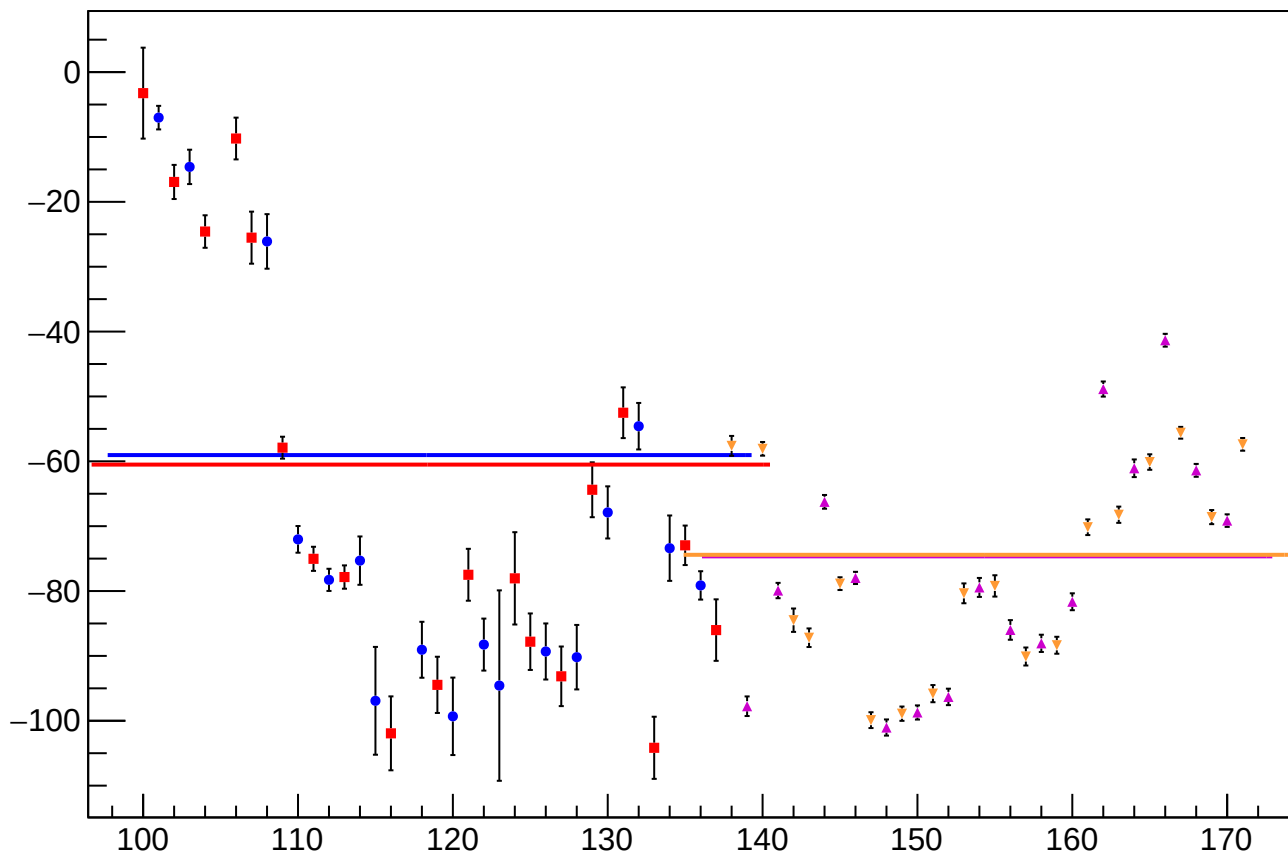
Left In: -6.978 ± 0.215 χ^2/NDF : 1645.7/15

+ sign -7.214 ± 0.186 χ^2/NDF : 2530.7/34

All: -7.000 ± 0.134 χ^2/NDF : 5481.7/69

- sign -6.773 ± 0.192 χ^2/NDF : 2948.3/34

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -74.414 ± 0.286 χ^2/NDF : 2885.3/17

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

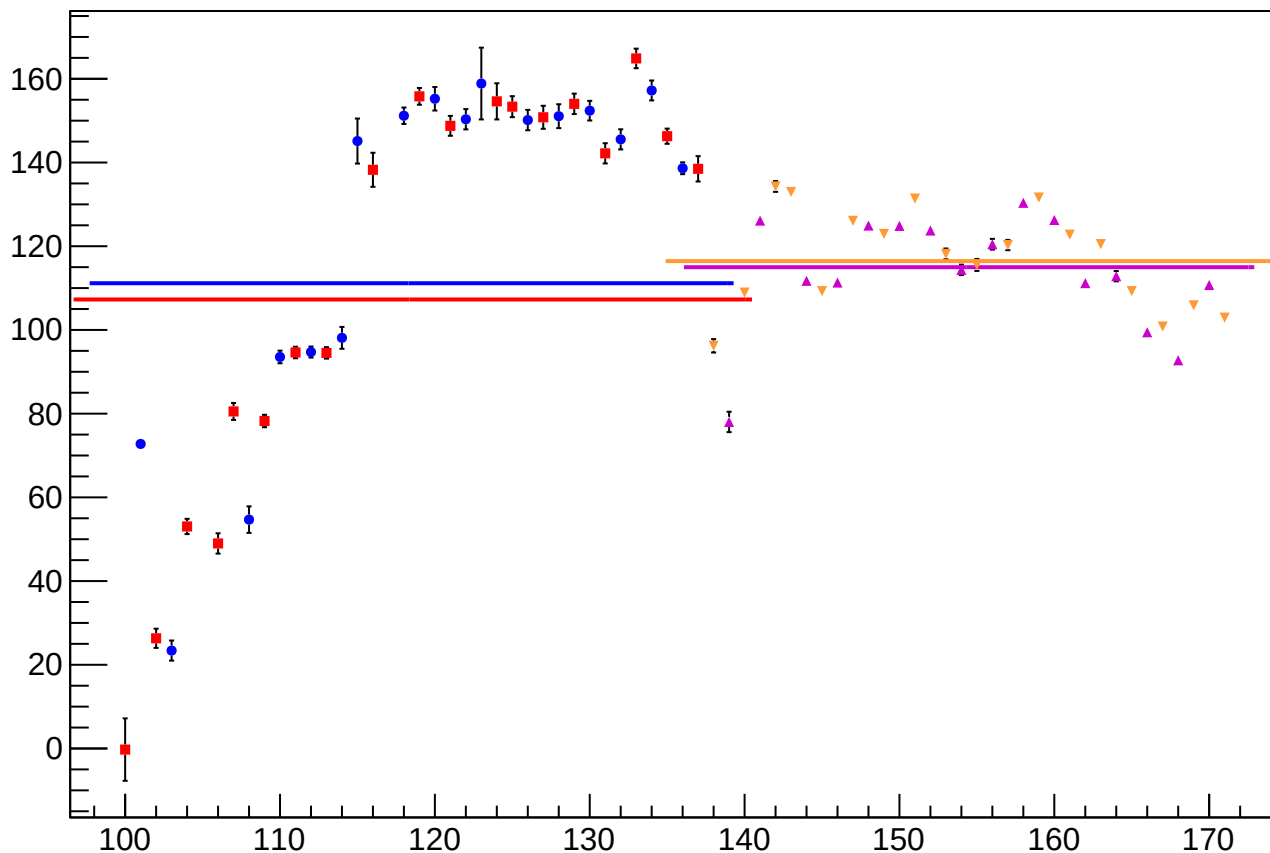
Left In: -74.654 ± 0.292 χ^2/NDF : 3687.8/15

+ sign -72.443 ± 0.267 χ^2/NDF : 4965.4/34

All: -72.509 ± 0.190 χ^2/NDF : 10382.3/69

- sign -72.577 ± 0.270 χ^2/NDF : 5416.8/34

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 116.444 $\pm$ 0.239 χ^2 /NDF: 2182.6/17

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

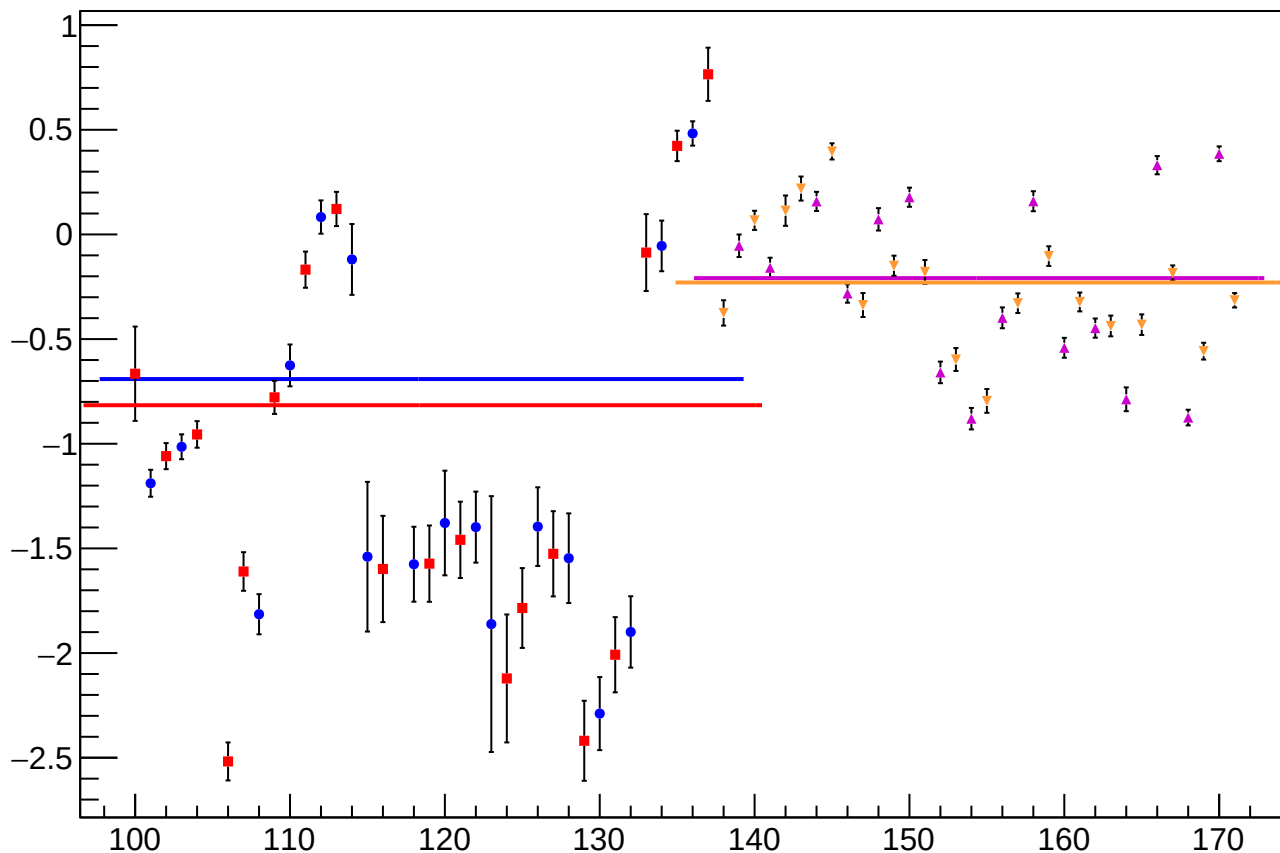
Left In: 114.990 $\pm$ 0.249 χ^2 /NDF: 1911.0/15

+ sign 115.423 $\pm$ 0.215 χ^2 /NDF: 8154.4/34

All: 114.442 $\pm$ 0.154 χ^2 /NDF: 17361.6/69

- sign 113.400 $\pm$ 0.222 χ^2 /NDF: 9164.3/34

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.230 ± 0.011 χ^2/NDF : 670.3/17

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

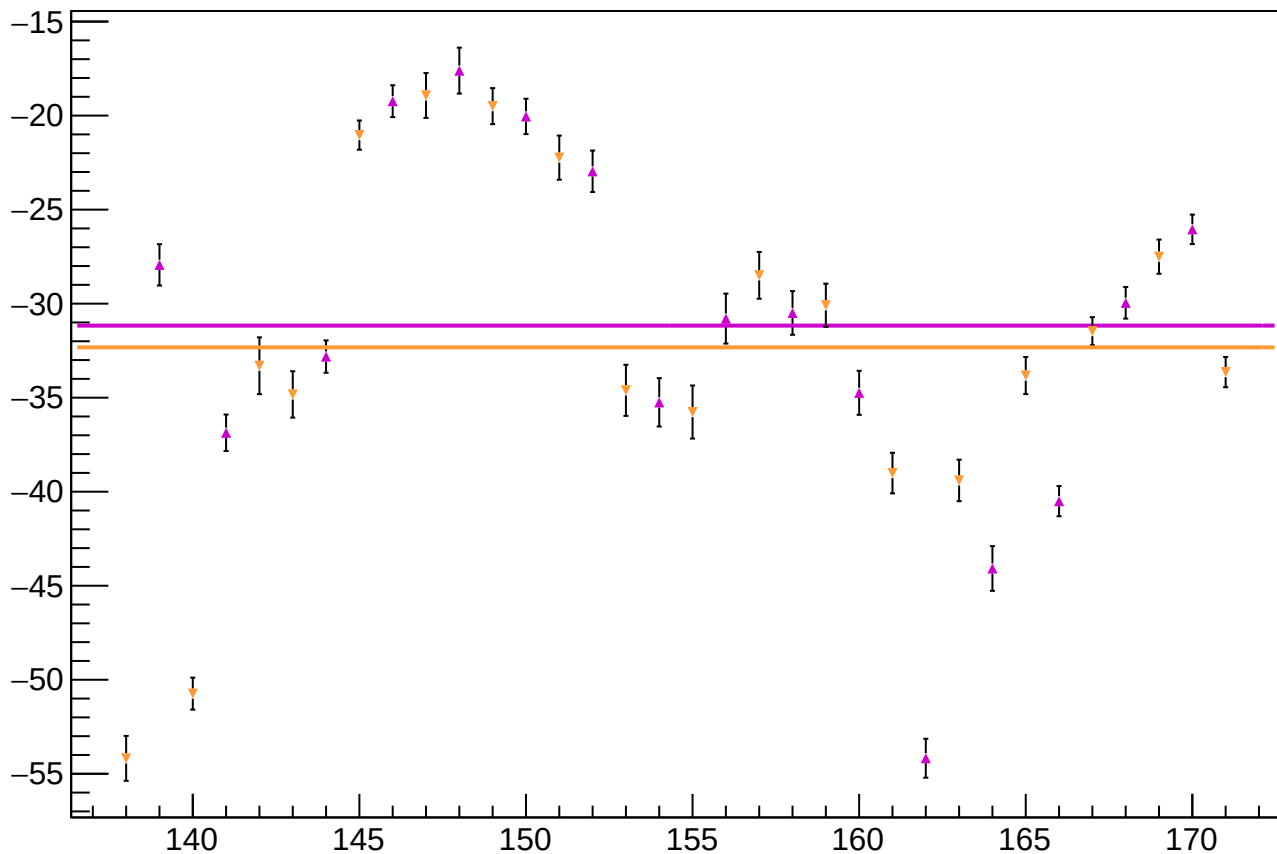
Left In: -0.209 ± 0.012 χ^2/NDF : 1429.1/15

+ sign -0.302 ± 0.010 χ^2/NDF : 1930.2/34

All: -0.311 ± 0.007 χ^2/NDF : 5172.1/69

- sign -0.320 ± 0.010 χ^2/NDF : 3240.3/34

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.325 ± 0.242 χ^2/NDF : 1535.7/17

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

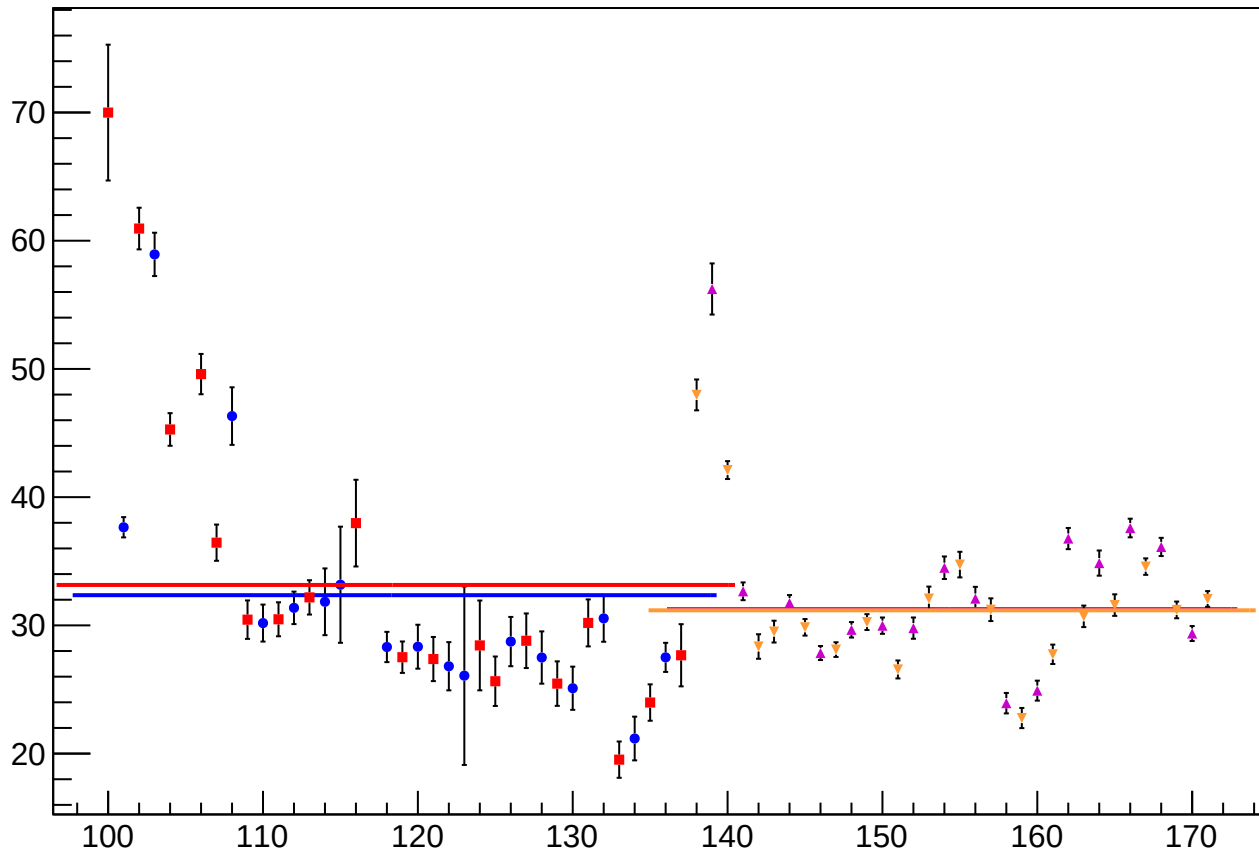
Left In: -31.167 ± 0.249 χ^2/NDF : 1376.3/15

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -31.762 ± 0.173 χ^2/NDF : 2923.1/33

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355+/-0.375 χ^2/NDF : 450.5/16

Left Out: 31.174+/-0.176 χ^2/NDF : 710.8/17

Right Out: 33.152+/-0.379 χ^2/NDF : 772.0/18

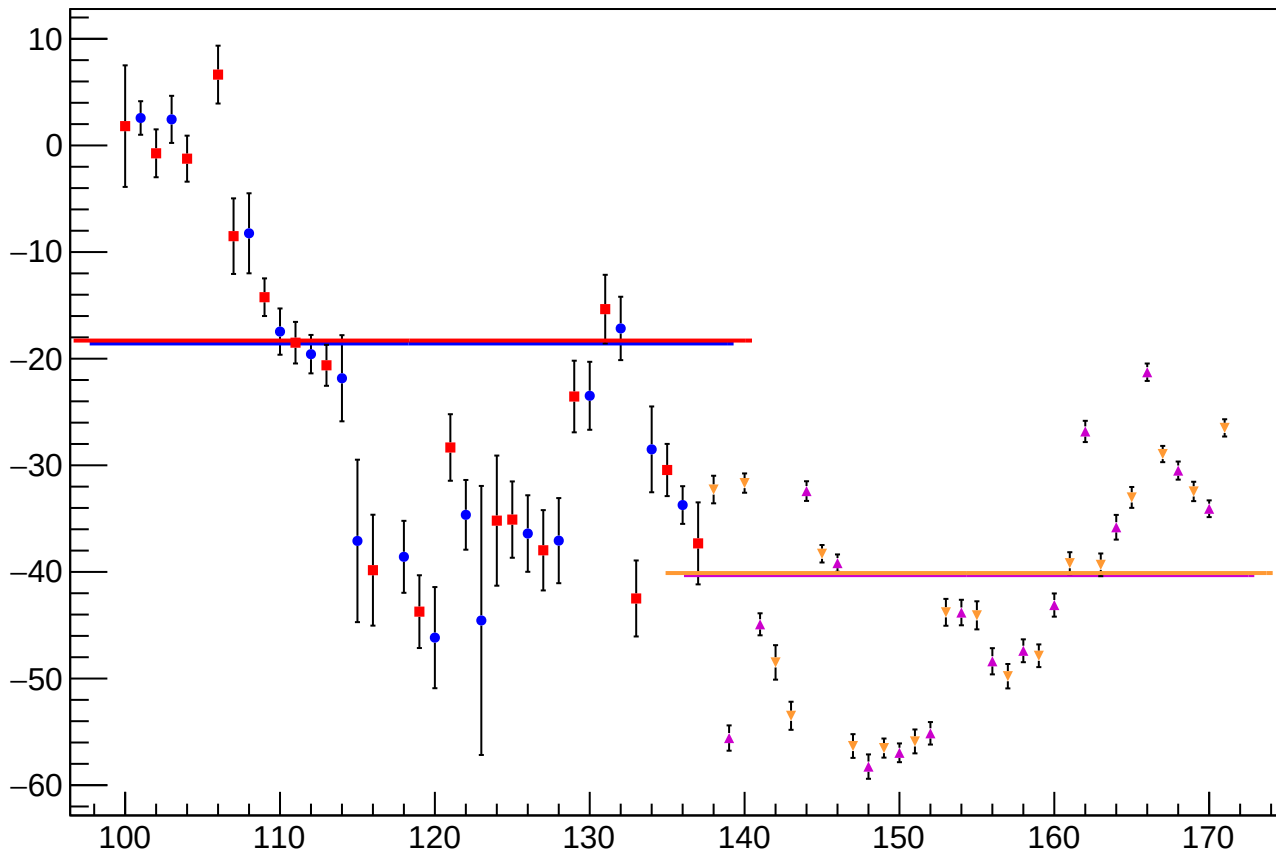
Left In: 31.270+/-0.183 χ^2/NDF : 571.4/15

+ sign 31.386+/-0.159 χ^2/NDF : 1169.5/34

All: 31.502+/-0.114 χ^2/NDF : 2533.9/69

- sign 31.625+/-0.164 χ^2/NDF : 1363.4/34

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -40.106 ± 0.240 χ^2/NDF : 1769.0/17

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

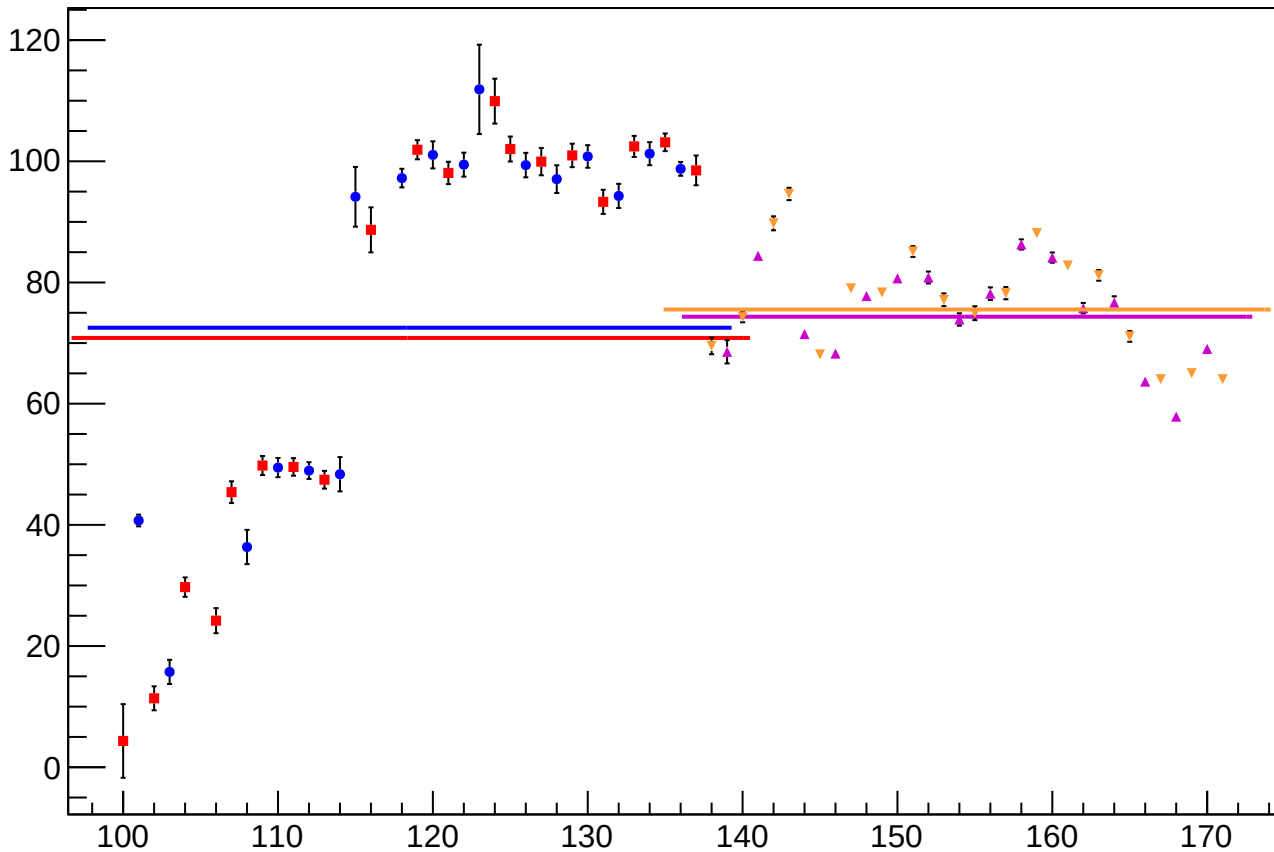
Left In: -40.300 ± 0.245 χ^2/NDF : 2102.9/15

+ sign -37.632 ± 0.226 χ^2/NDF : 3201.7/34

All: -37.573 ± 0.161 χ^2/NDF : 6797.8/69

- sign -37.512 ± 0.229 χ^2/NDF : 3595.9/34

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537 ± 0.428 χ^2/NDF : 4684.1/16

Left Out: 75.541 ± 0.202 χ^2/NDF : 1921.0/17

Right Out: 70.849 ± 0.433 χ^2/NDF : 5500.2/18

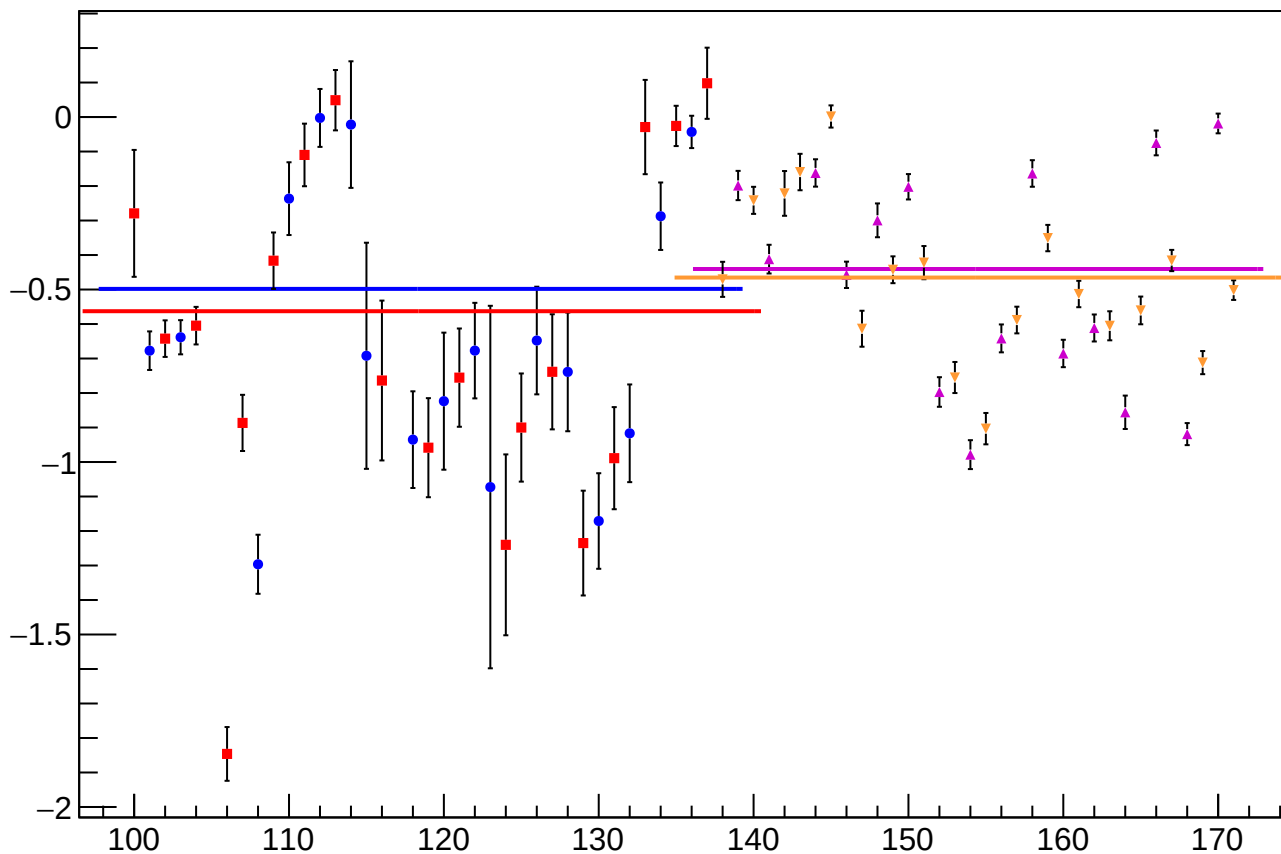
Left In: 74.353 ± 0.210 χ^2/NDF : 1399.3/15

+ sign 74.992 ± 0.183 χ^2/NDF : 6645.3/34

All: 74.360 ± 0.131 χ^2/NDF : 13622.4/69

- sign 73.686 ± 0.189 χ^2/NDF : 6952.5/34

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 $\pm$ 0.022 χ^2/NDF : 302.8/16

Left Out: -0.465 $\pm$ 0.009 χ^2/NDF : 530.0/17

Right Out: -0.563 $\pm$ 0.021 χ^2/NDF : 560.8/18

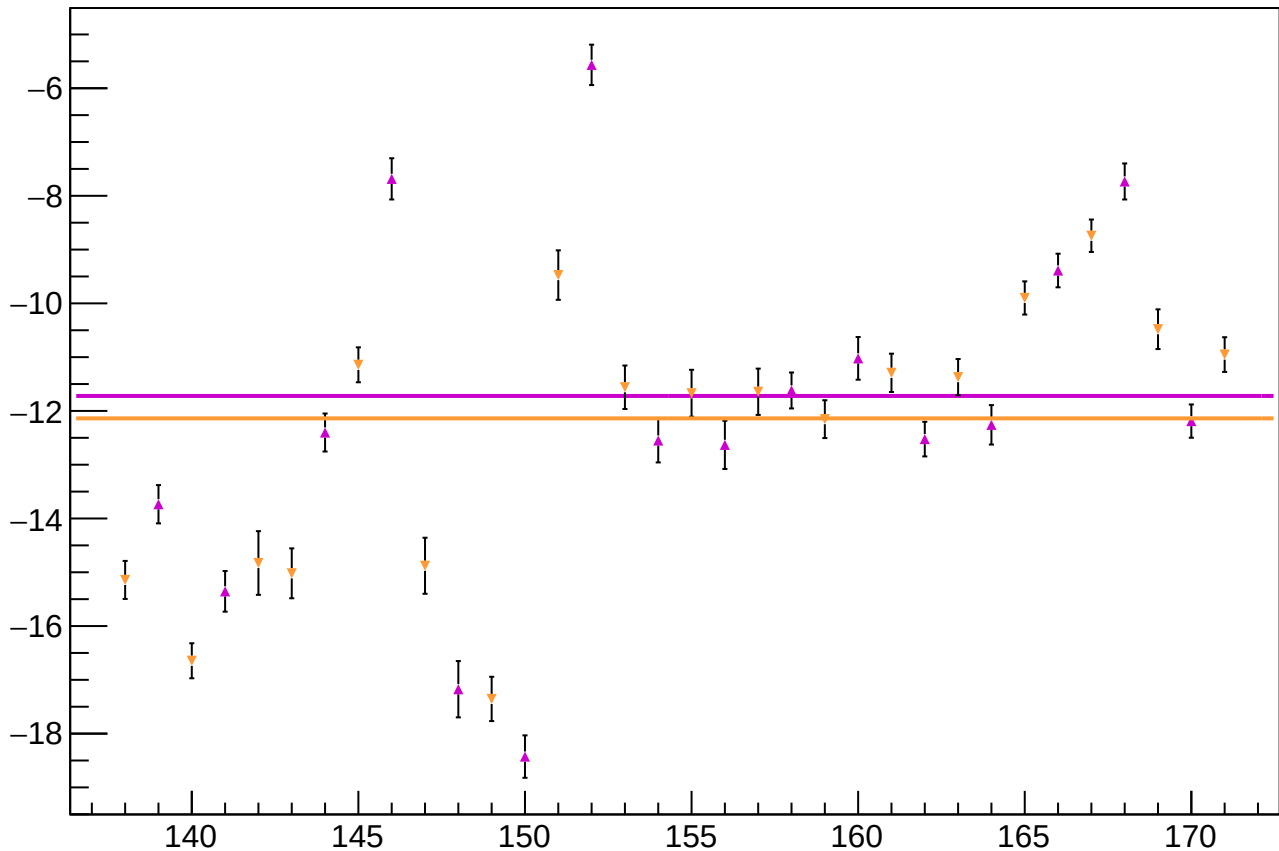
Left In: -0.441 $\pm$ 0.010 χ^2/NDF : 1119.3/15

+ sign -0.470 $\pm$ 0.009 χ^2/NDF : 834.6/34

All: -0.466 $\pm$ 0.006 χ^2/NDF : 2542.3/69

- sign -0.461 $\pm$ 0.009 χ^2/NDF : 1707.2/34

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: -12.138+/-0.088 χ^2/NDF : 782.9/17

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

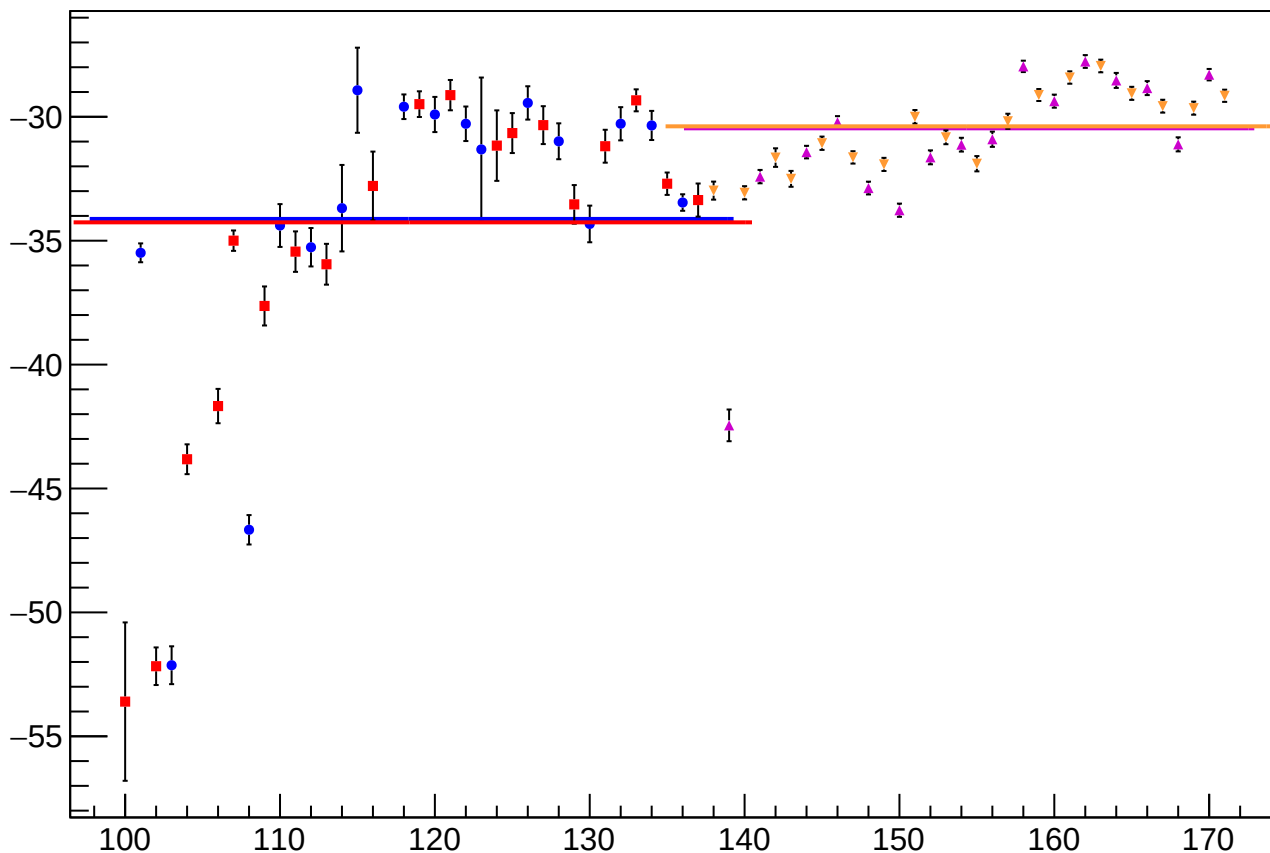
Left In: -11.721+/-0.091 χ^2/NDF : 1124.7/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.937+/-0.063 χ^2/NDF : 1918.4/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -30.385 ± 0.065 χ^2/NDF : 548.1/17

Right Out: -34.260 ± 0.151 χ^2/NDF : 1354.9/18

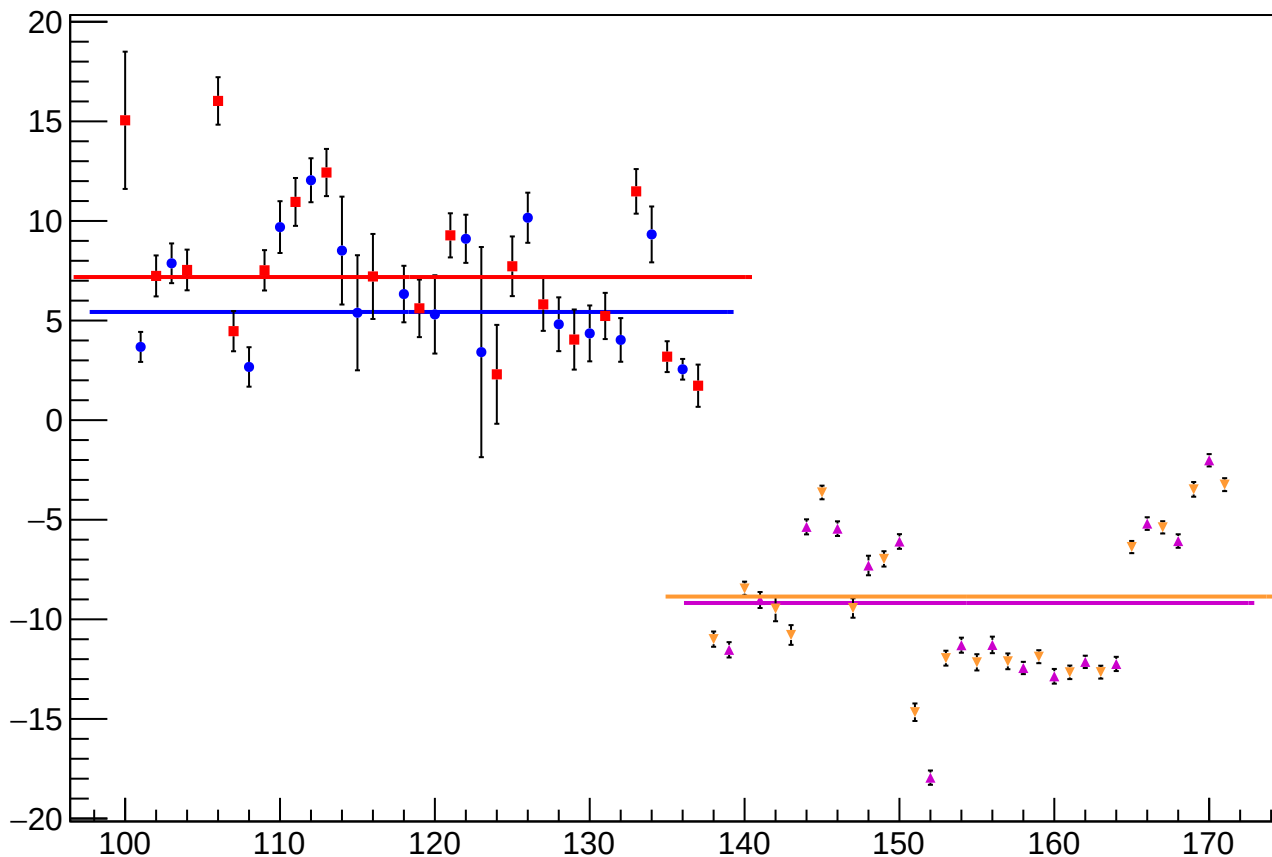
Left In: -30.465 ± 0.068 χ^2/NDF : 1093.7/15

+ sign -30.961 ± 0.060 χ^2/NDF : 2383.2/34

All: -31.031 ± 0.043 χ^2/NDF : 5360.5/69

- sign -31.107 ± 0.062 χ^2/NDF : 2974.4/34

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -8.856 ± 0.087 χ^2/NDF : 1733.5/17

Right Out: 7.185 ± 0.274 χ^2/NDF : 182.1/18

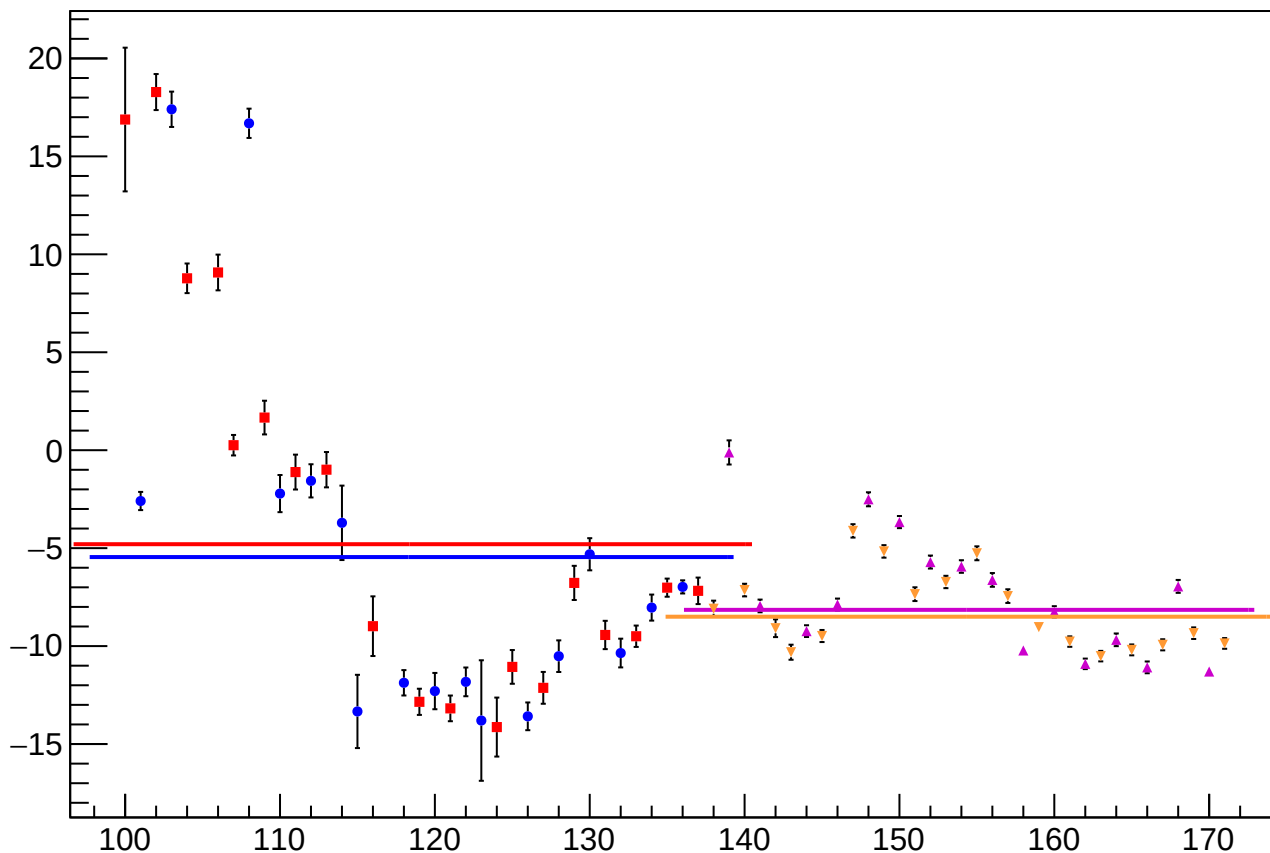
Left In: -9.179 ± 0.090 χ^2/NDF : 2132.1/15

+ sign -7.509 ± 0.083 χ^2/NDF : 4394.1/34

All: -7.554 ± 0.059 χ^2/NDF : 9921.4/69

- sign -7.601 ± 0.085 χ^2/NDF : 5526.7/34

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -8.500 ± 0.074 χ^2/NDF : 638.4/17

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

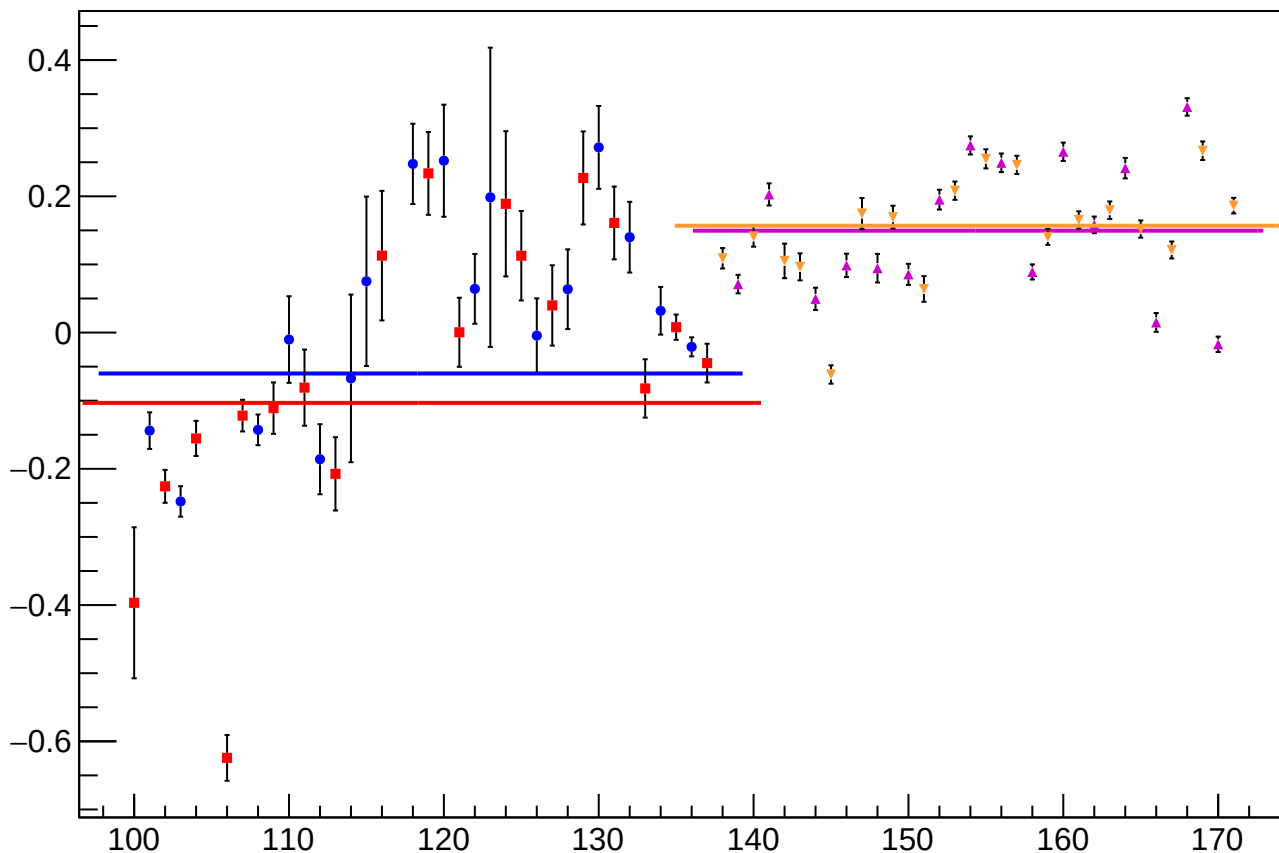
Left In: -8.150 ± 0.077 χ^2/NDF : 1229.4/15

+ sign -8.021 ± 0.068 χ^2/NDF : 3002.6/34

All: -7.815 ± 0.049 χ^2/NDF : 6611.8/69

- sign -7.593 ± 0.070 χ^2/NDF : 3590.0/34

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.157 ± 0.003 χ^2/NDF : 507.2/17

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

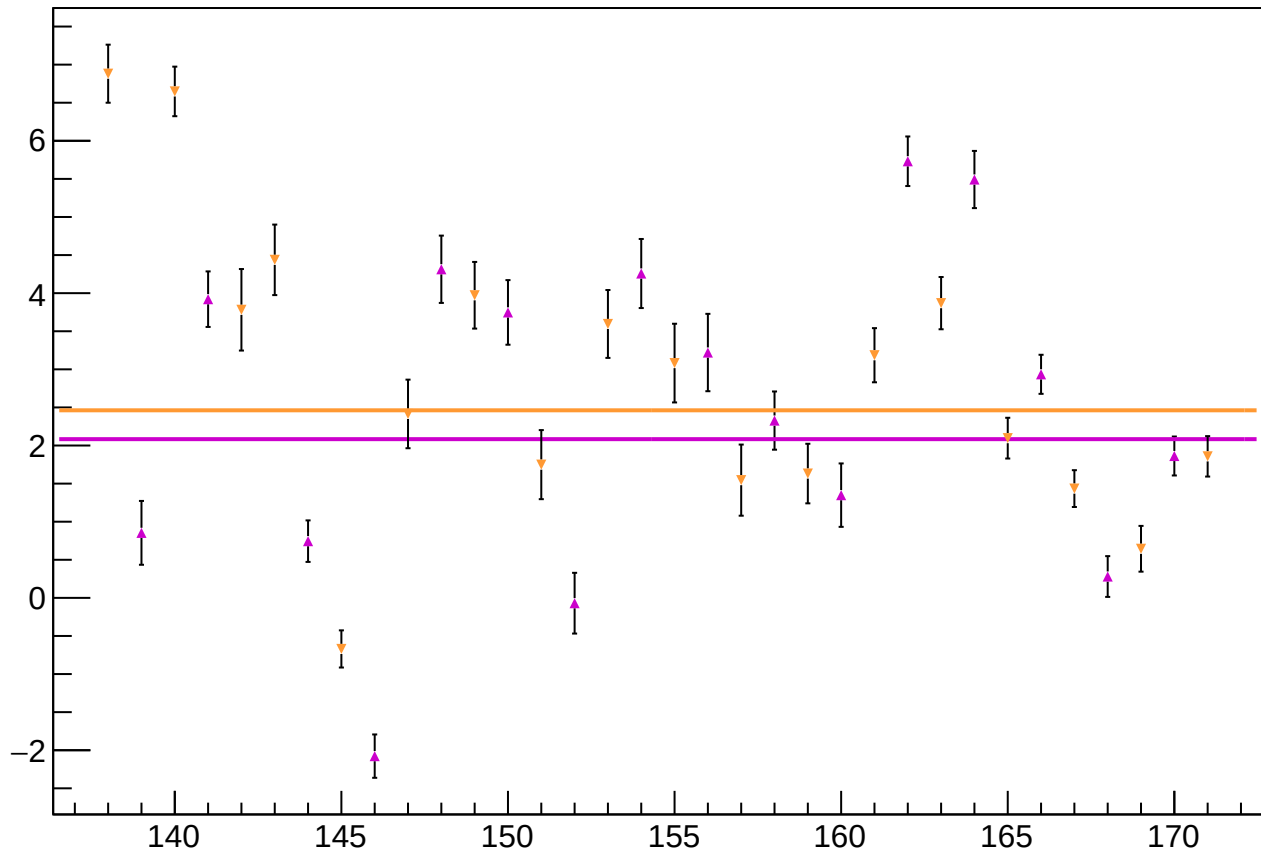
Left In: 0.150 ± 0.003 χ^2/NDF : 922.3/15

+ sign 0.127 ± 0.003 χ^2/NDF : 1297.1/34

All: 0.120 ± 0.002 χ^2/NDF : 3430.4/69

- sign 0.113 ± 0.003 χ^2/NDF : 2123.3/34

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: 2.462 $\pm$ 0.082 χ^2 /NDF:602.8/17

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

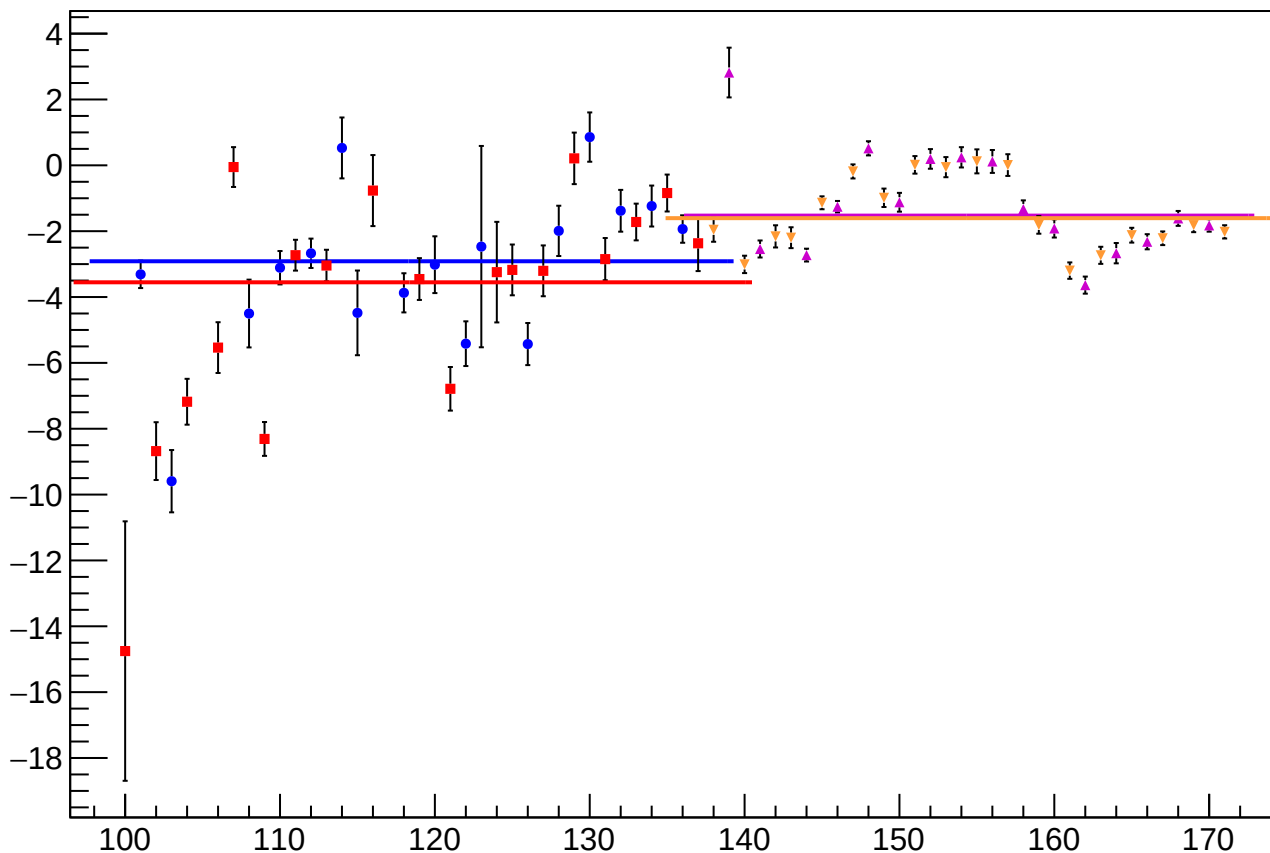
Left In: 2.084 $\pm$ 0.085 χ^2 /NDF:639.0/15

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

All: 2.280 $\pm$ 0.059 χ^2 /NDF: 1252.0/33

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

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.605 ± 0.060 χ^2/NDF : 278.7/17

Right Out: -3.553 ± 0.155 χ^2/NDF : 290.9/18

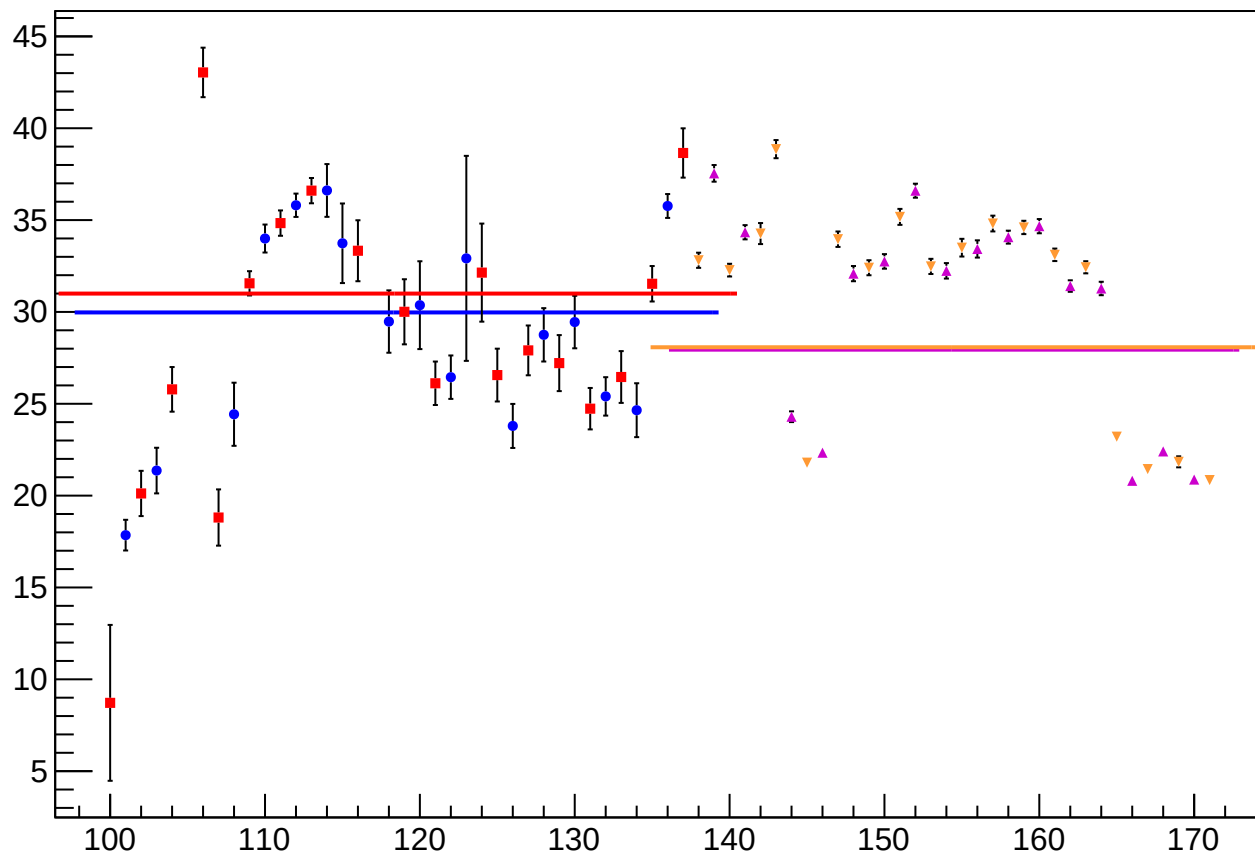
Left In: -1.527 ± 0.062 χ^2/NDF : 366.6/15

+ sign -1.776 ± 0.056 χ^2/NDF : 486.9/34

All: -1.792 ± 0.040 χ^2/NDF : 1292.3/69

- sign -1.809 ± 0.058 χ^2/NDF : 805.2/34

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 28.076 $\pm$ 0.082 χ^2 /NDF: 5452.9/17

Right Out: 30.999 $\pm$ 0.260 χ^2 /NDF: 479.5/18

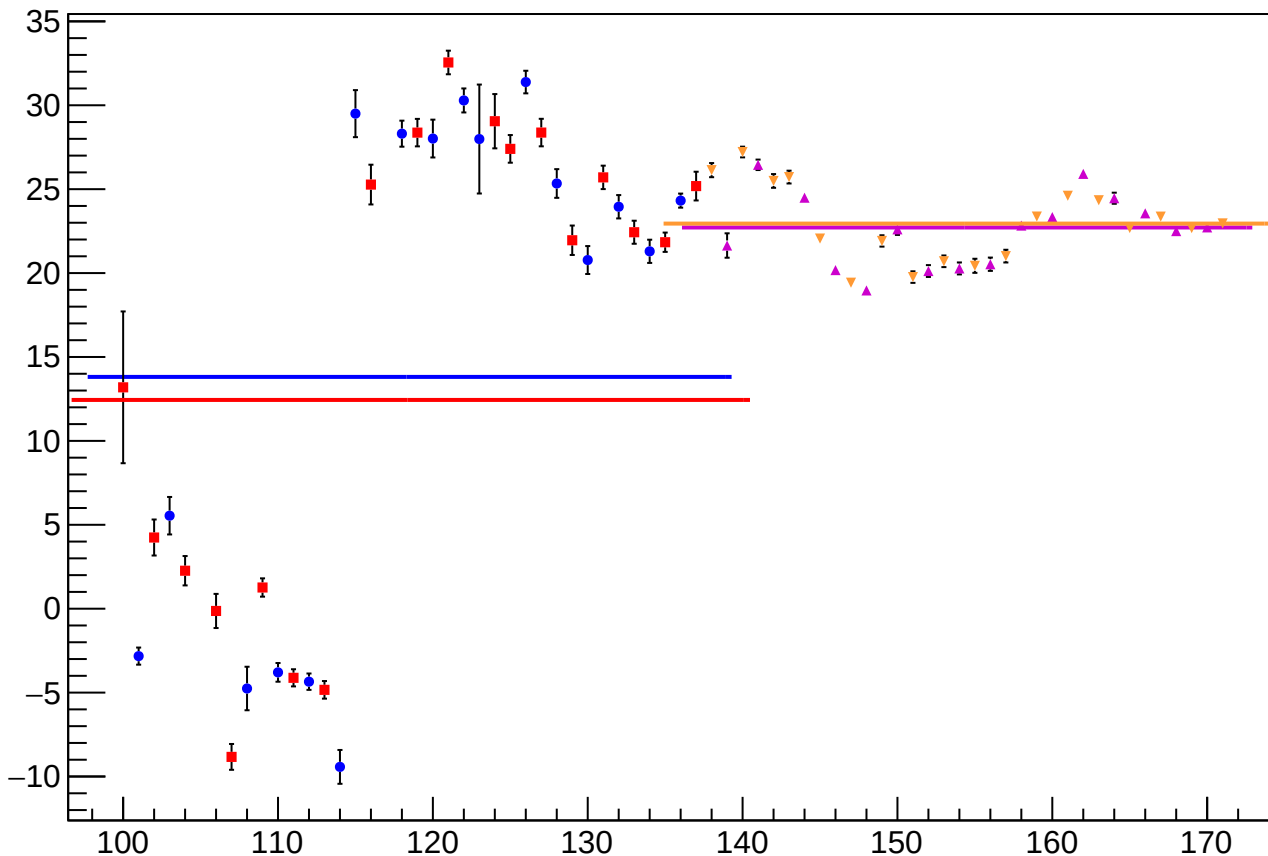
Left In: 27.946 $\pm$ 0.084 χ^2 /NDF: 5038.8/15

+ sign 28.239 $\pm$ 0.078 χ^2 /NDF: 6053.3/34

All: 28.237 $\pm$ 0.056 χ^2 /NDF: 11696.3/69

- sign 28.234 $\pm$ 0.080 χ^2 /NDF: 5643.0/34

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 22.949 $\pm$ 0.069 χ^2 /NDF: 757.0/17

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

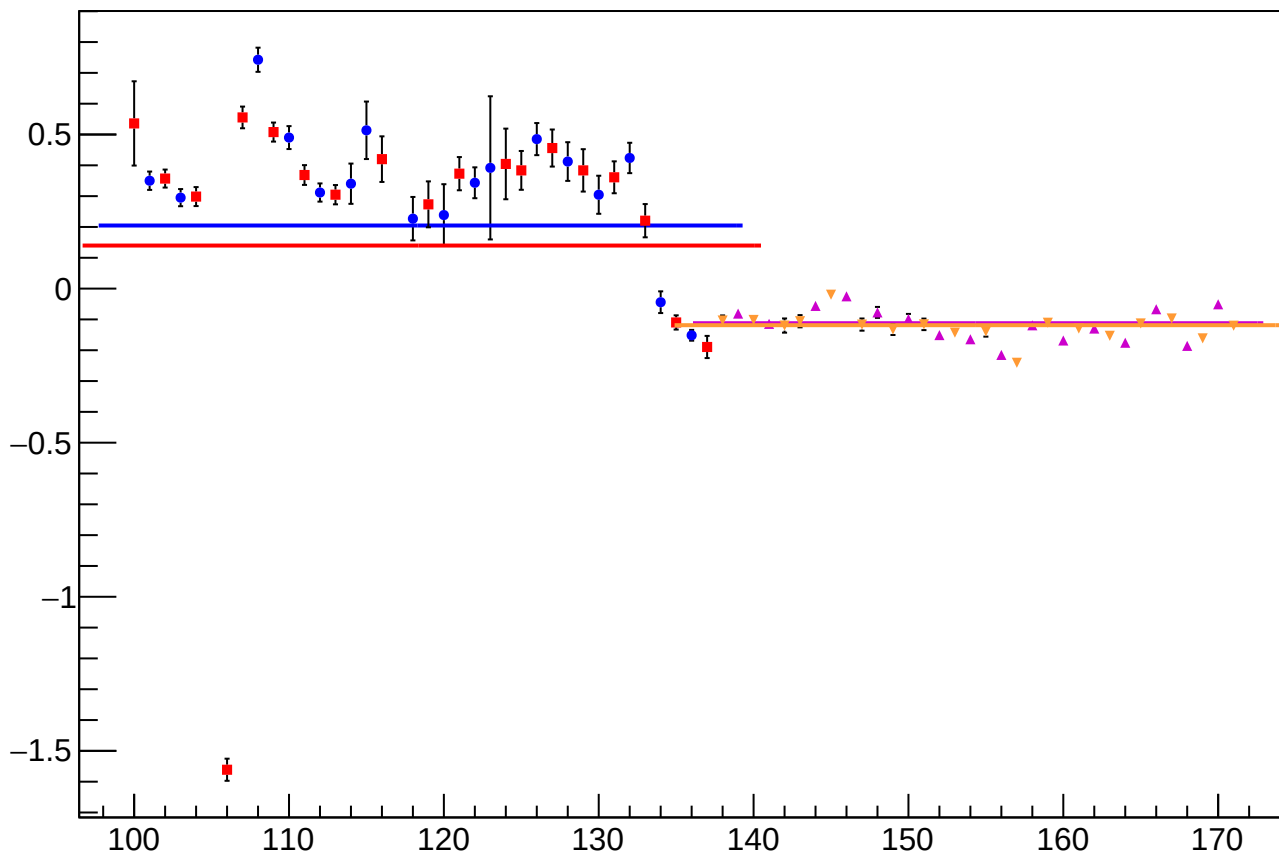
Left In: 22.717 $\pm$ 0.072 χ^2 /NDF: 809.8/15

+ sign 21.701 $\pm$ 0.064 χ^2 /NDF: 10492.5/34

All: 21.472 $\pm$ 0.046 χ^2 /NDF: 21291.1/69

- sign 21.228 $\pm$ 0.066 χ^2 /NDF: 10772.1/34

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.119 ± 0.003 χ^2/NDF : 200.6/17

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

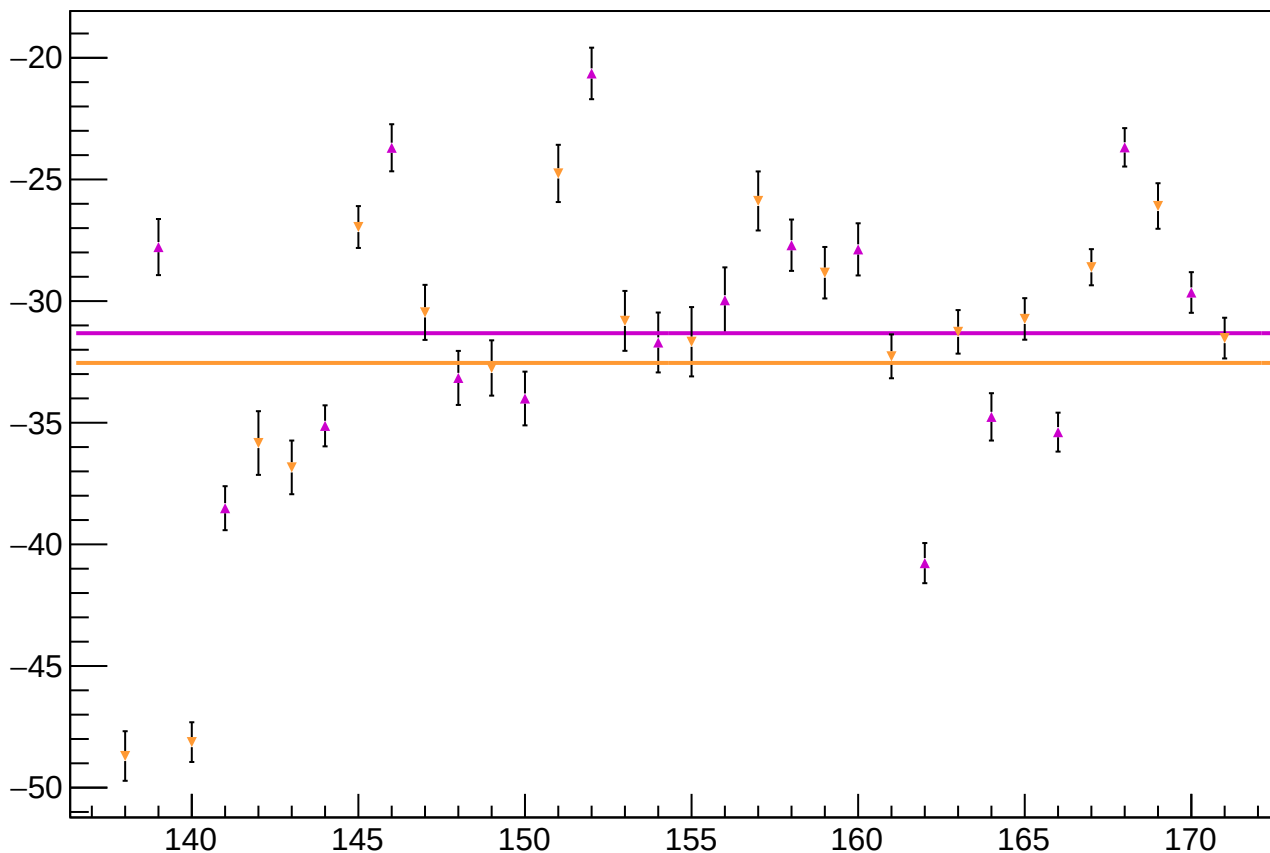
Left In: -0.112 ± 0.003 χ^2/NDF : 284.0/15

+ sign -0.086 ± 0.003 χ^2/NDF : 2114.8/34

All: -0.085 ± 0.002 χ^2/NDF : 6076.2/69

- sign -0.083 ± 0.003 χ^2/NDF : 3961.2/34

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.542 ± 0.233 χ^2/NDF : 854.9/17

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

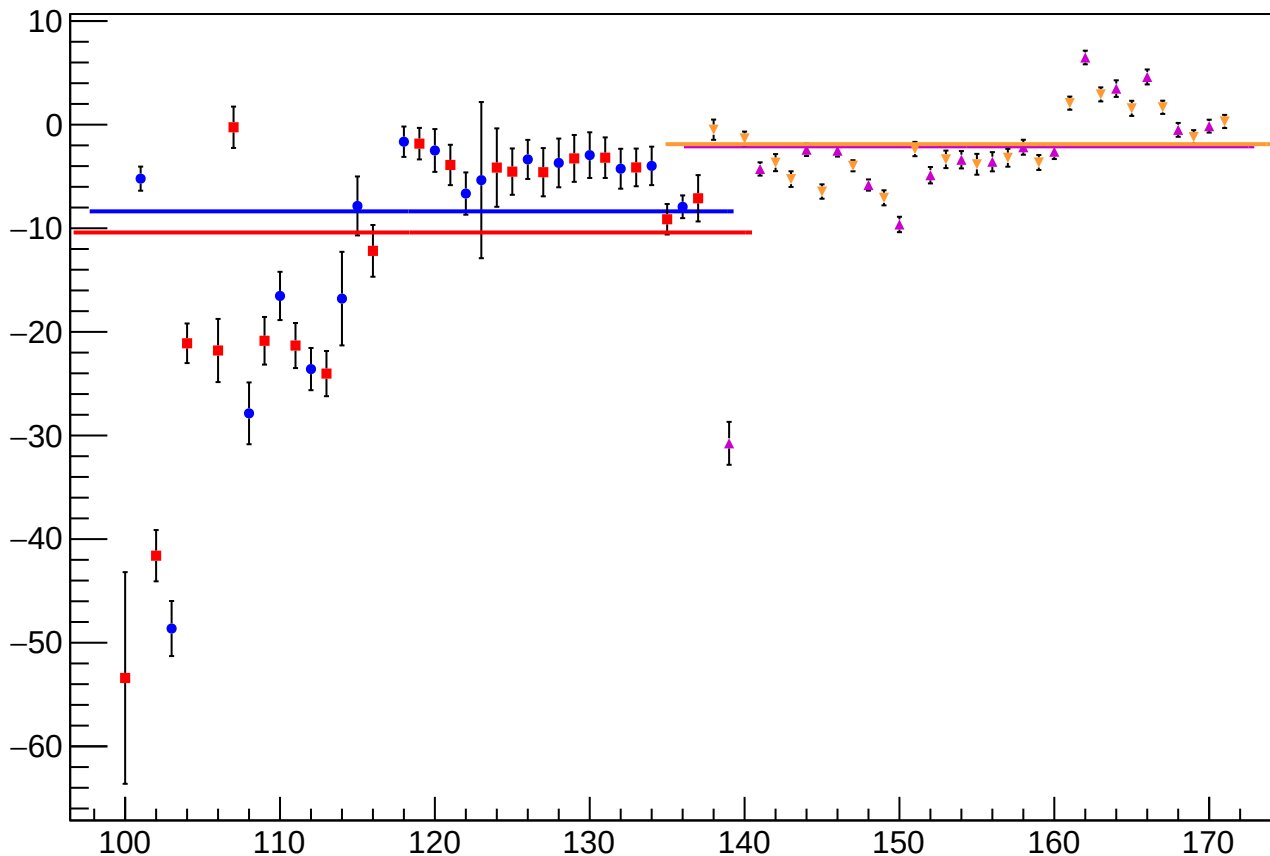
Left In: -31.319 ± 0.242 χ^2/NDF : 555.7/15

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -31.954 ± 0.168 χ^2/NDF : 1423.9/33

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -1.882 ± 0.168 χ^2/NDF : 307.5/17

Right Out: -10.405 ± 0.491 χ^2/NDF : 430.3/18

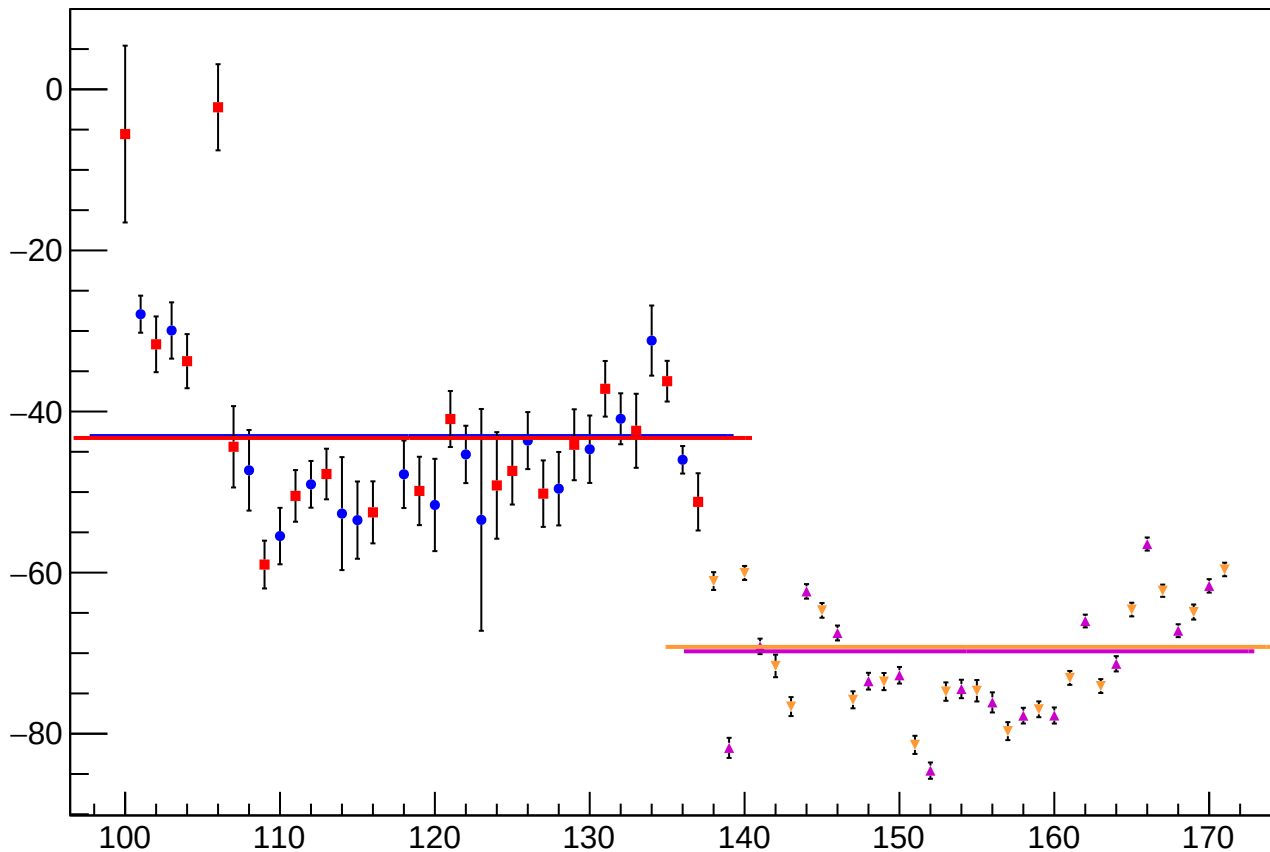
Left In: -2.093 ± 0.176 χ^2/NDF : 691.6/15

+ sign -2.627 ± 0.158 χ^2/NDF : 887.7/34

All: -2.822 ± 0.114 χ^2/NDF : 2266.9/69

- sign -3.035 ± 0.165 χ^2/NDF : 1376.0/34

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 χ^2/NDF : 99.0/16

Left Out: -69.221 ± 0.231 χ^2/NDF : 912.3/17

Right Out: -43.282 ± 0.867 χ^2/NDF : 154.4/18

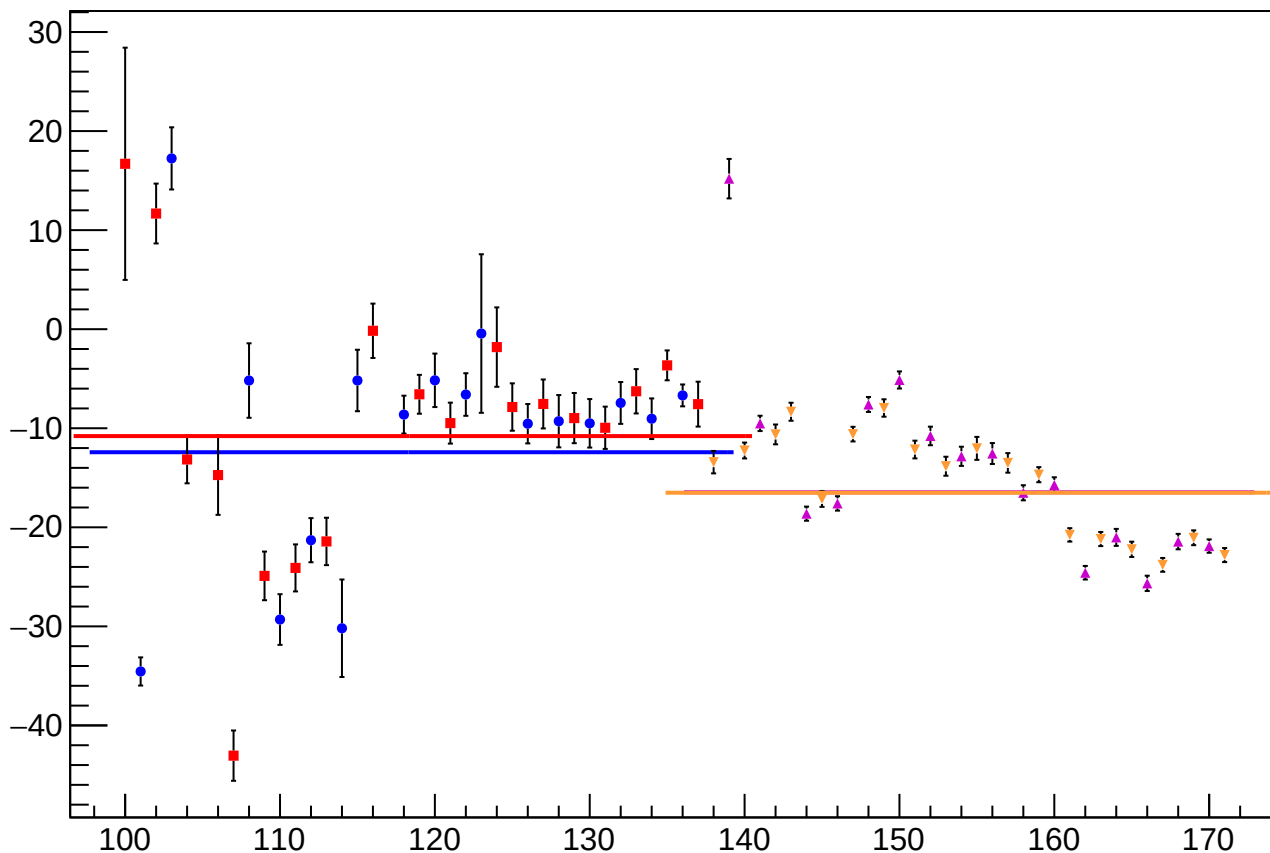
Left In: -69.770 ± 0.238 χ^2/NDF : 971.9/15

+ sign -67.362 ± 0.223 χ^2/NDF : 1919.2/34

All: -67.628 ± 0.160 χ^2/NDF : 3915.9/69

- sign -67.910 ± 0.230 χ^2/NDF : 1993.8/34

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -16.508 ± 0.194 χ^2/NDF : 733.8/17

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

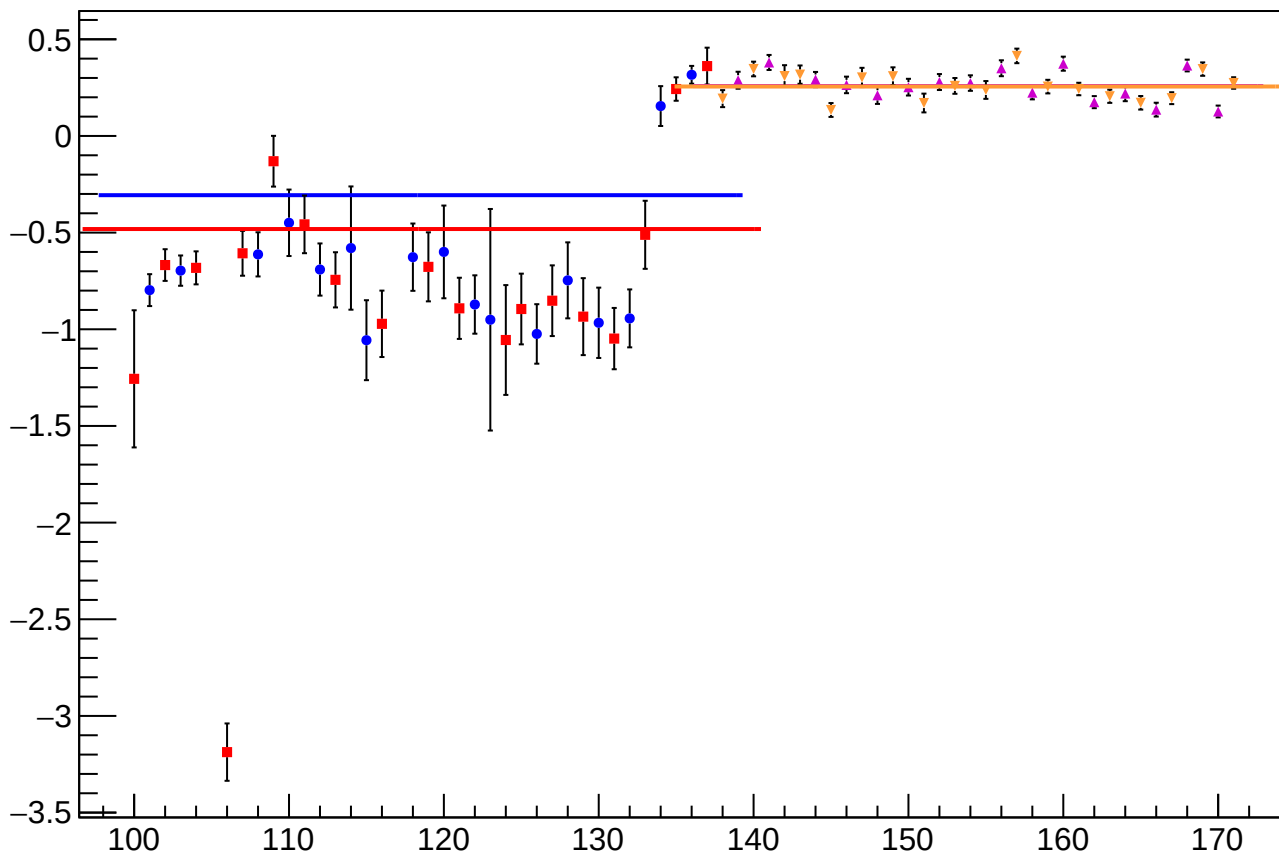
Left In: -16.464 ± 0.203 χ^2/NDF : 1135.6/15

+ sign -16.016 ± 0.181 χ^2/NDF : 1261.8/34

All: -15.910 ± 0.131 χ^2/NDF : 2856.5/69

- sign -15.794 ± 0.190 χ^2/NDF : 1594.0/34

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: 0.256 ± 0.009 χ^2/NDF : 64.0/17

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

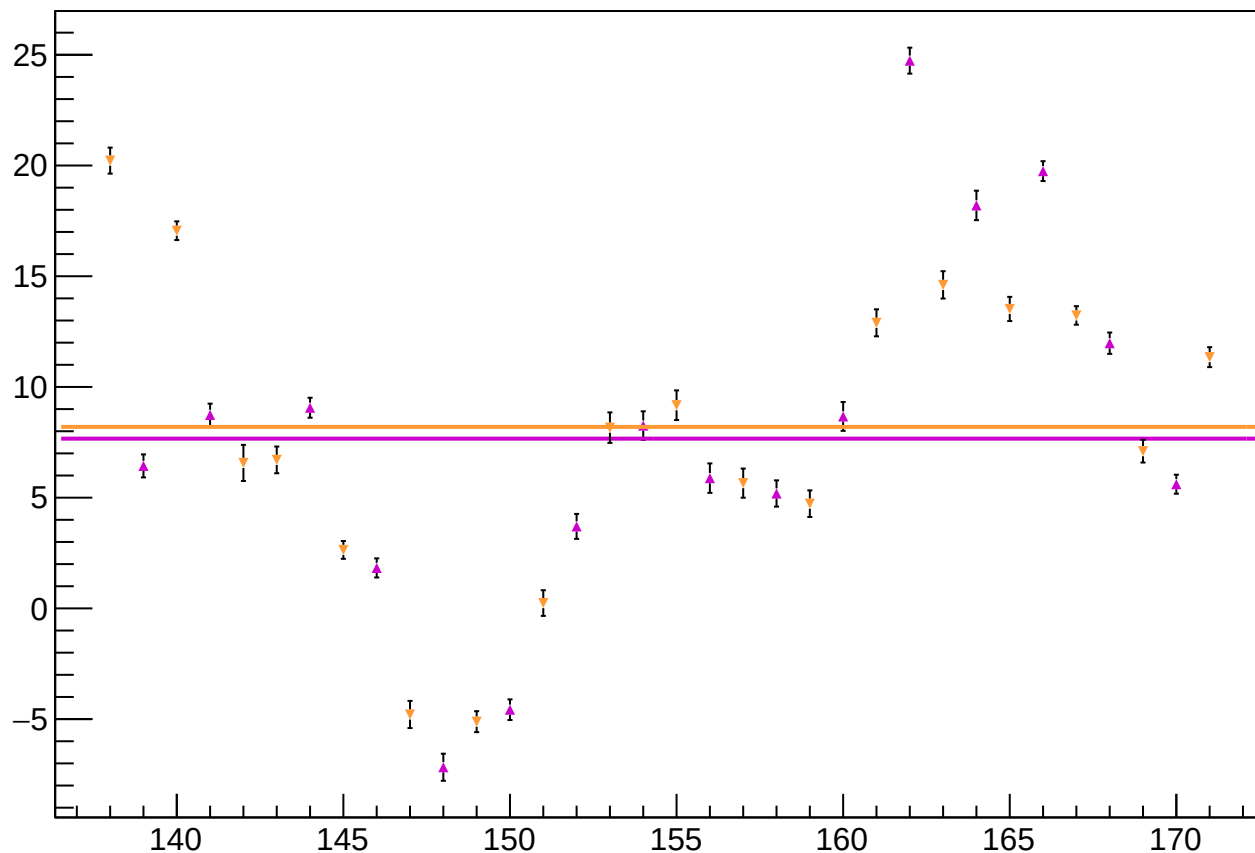
Left In: 0.258 ± 0.009 χ^2/NDF : 79.0/15

+ sign 0.201 ± 0.009 χ^2/NDF : 811.3/34

All: 0.194 ± 0.006 χ^2/NDF : 2123.8/69

- sign 0.186 ± 0.009 χ^2/NDF : 1311.0/34

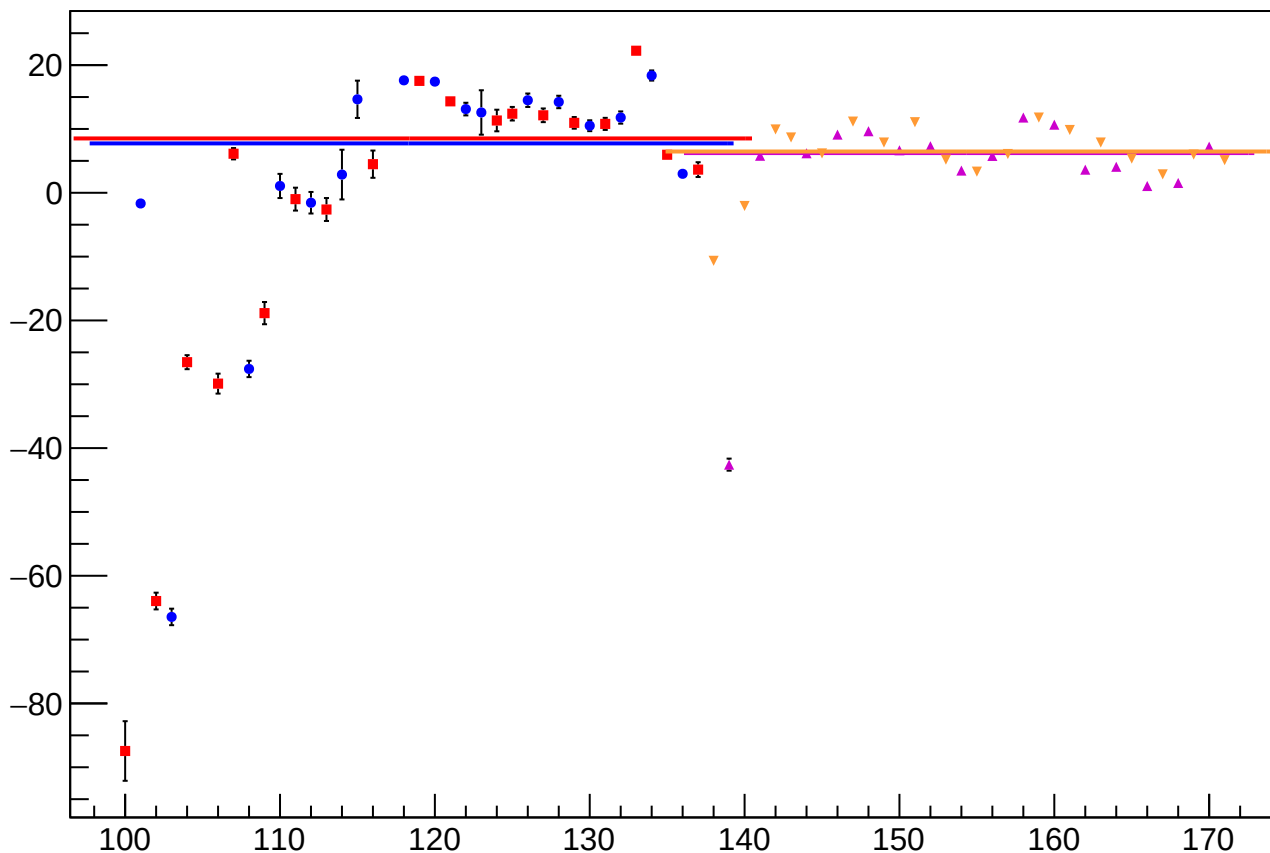
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 8.196 ± 0.127 $\chi^2/\text{NDF}: 2999.2/17$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: 7.666 ± 0.131 $\chi^2/\text{NDF}: 3483.5/15$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 All: 7.939 ± 0.091 $\chi^2/\text{NDF}: 6491.1/33$
 - sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: 6.467 ± 0.092 χ^2/NDF : 2358.2/17

Right Out: 8.514 ± 0.213 χ^2/NDF : 6719.4/18

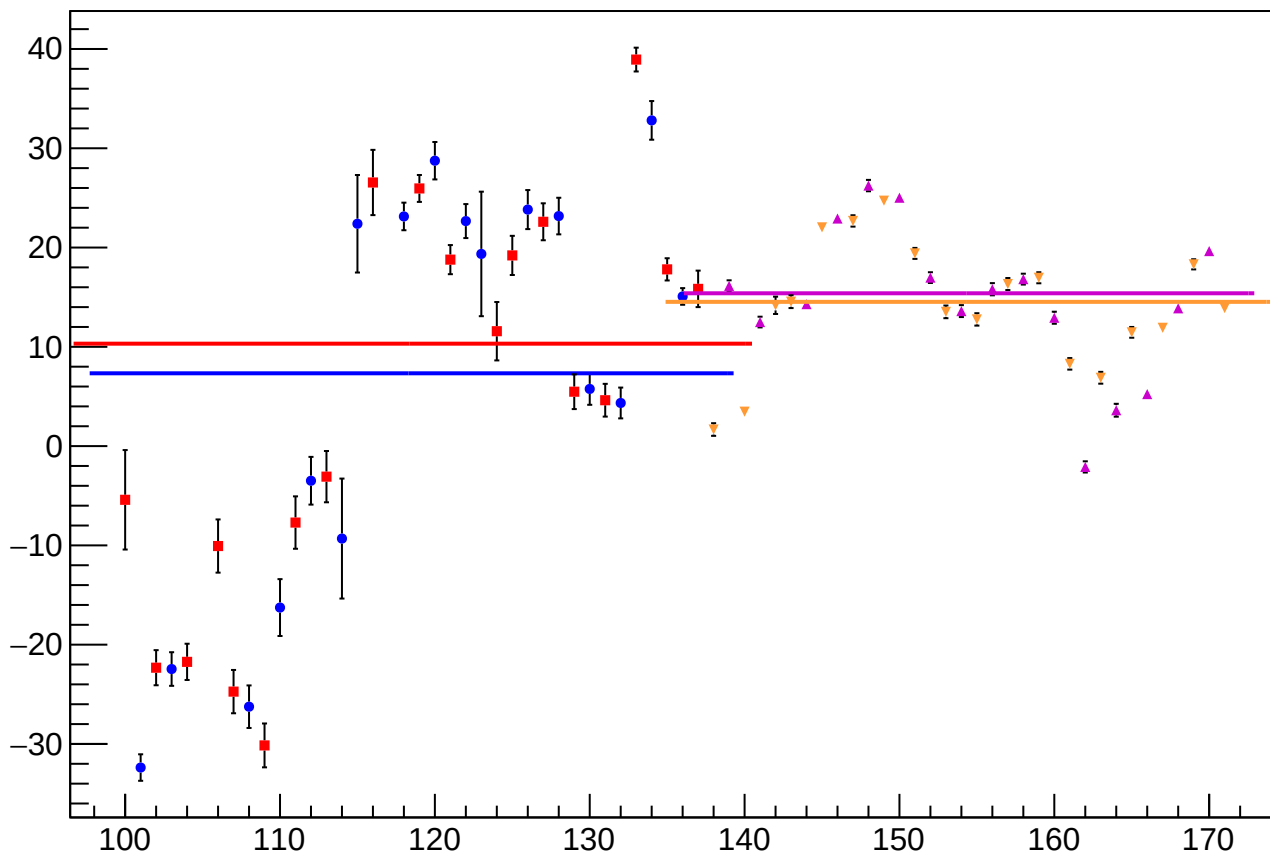
Left In: 6.222 ± 0.096 χ^2/NDF : 3597.1/15

+ sign 6.659 ± 0.085 χ^2/NDF : 7687.7/34

All: 6.634 ± 0.061 χ^2/NDF : 18100.5/69

- sign 6.607 ± 0.087 χ^2/NDF : 10412.6/34

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 14.530 ± 0.127 χ^2/NDF : 2578.8/17

Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18

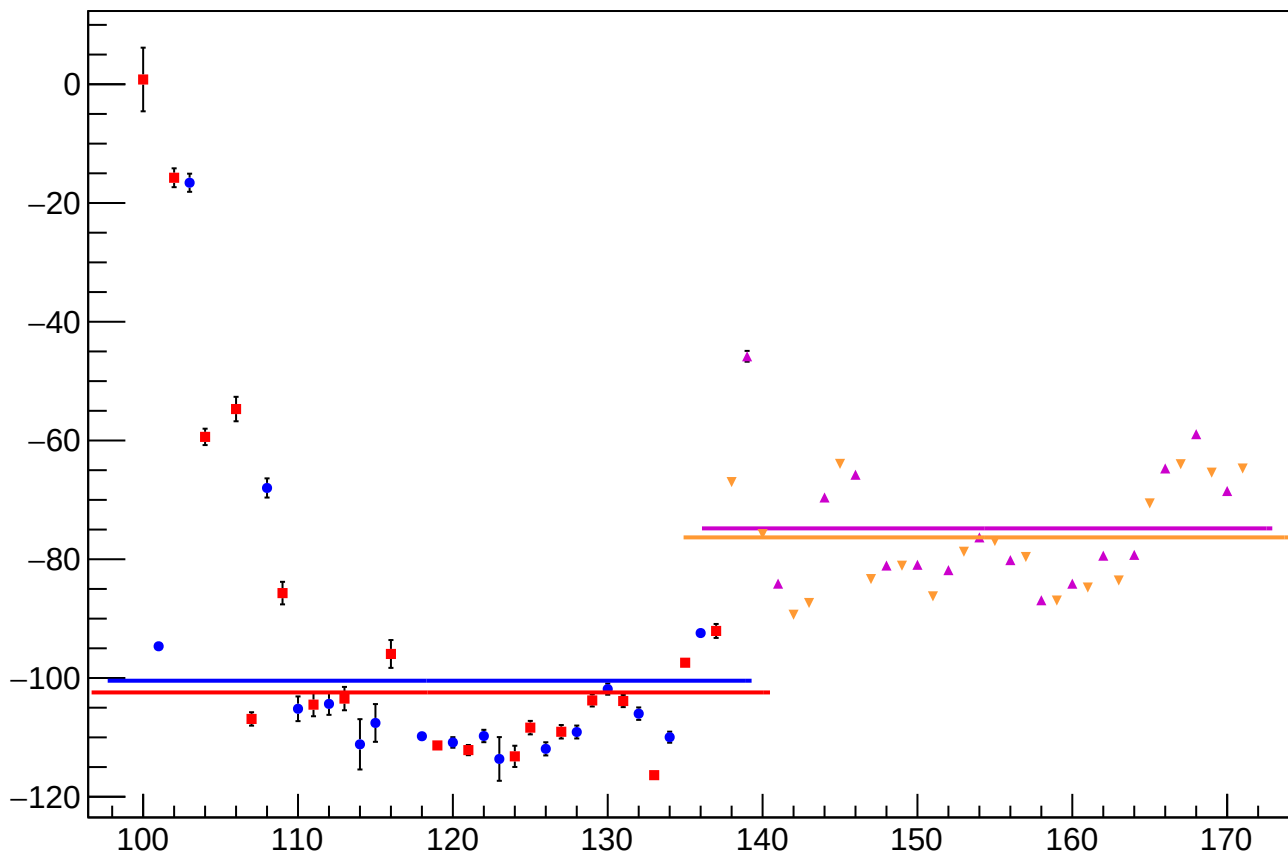
Left In: 15.394 ± 0.129 χ^2/NDF : 3142.3/15

+ sign 13.927 ± 0.121 χ^2/NDF : 5142.8/34

All: 14.428 ± 0.086 χ^2/NDF : 10736.8/69

- sign 14.948 ± 0.123 χ^2/NDF : 5559.1/34

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -76.318 ± 0.107 χ^2/NDF : 7132.3/17

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

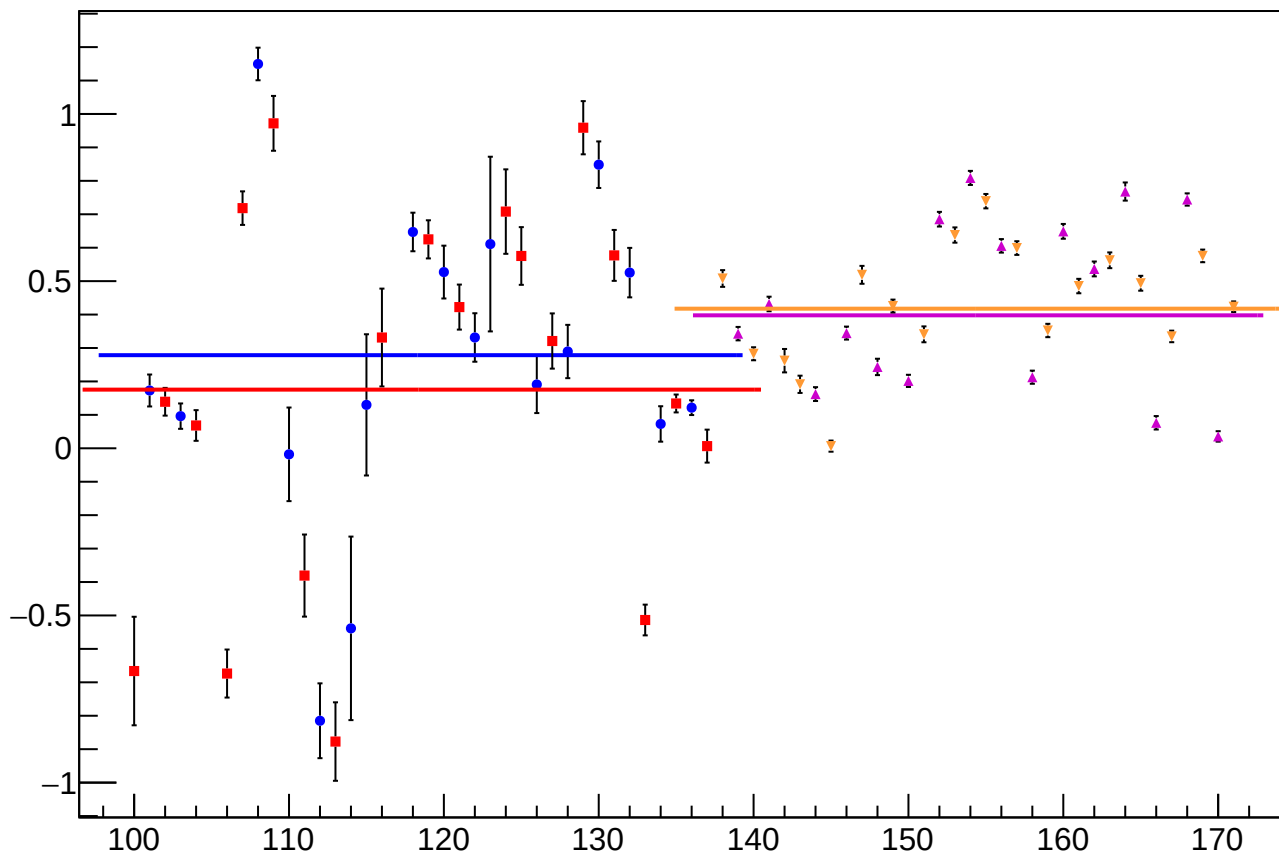
Left In: -74.801 ± 0.111 χ^2/NDF : 6482.1/15

+ sign -80.012 ± 0.098 χ^2/NDF : 19442.7/34

All: -79.739 ± 0.070 χ^2/NDF : 42505.9/69

- sign -79.449 ± 0.101 χ^2/NDF : 23047.2/34

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 $\pm$ 0.014 χ^2 /NDF: 653.9/16

Left Out: 0.418 $\pm$ 0.005 χ^2 /NDF:1348.4/17

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

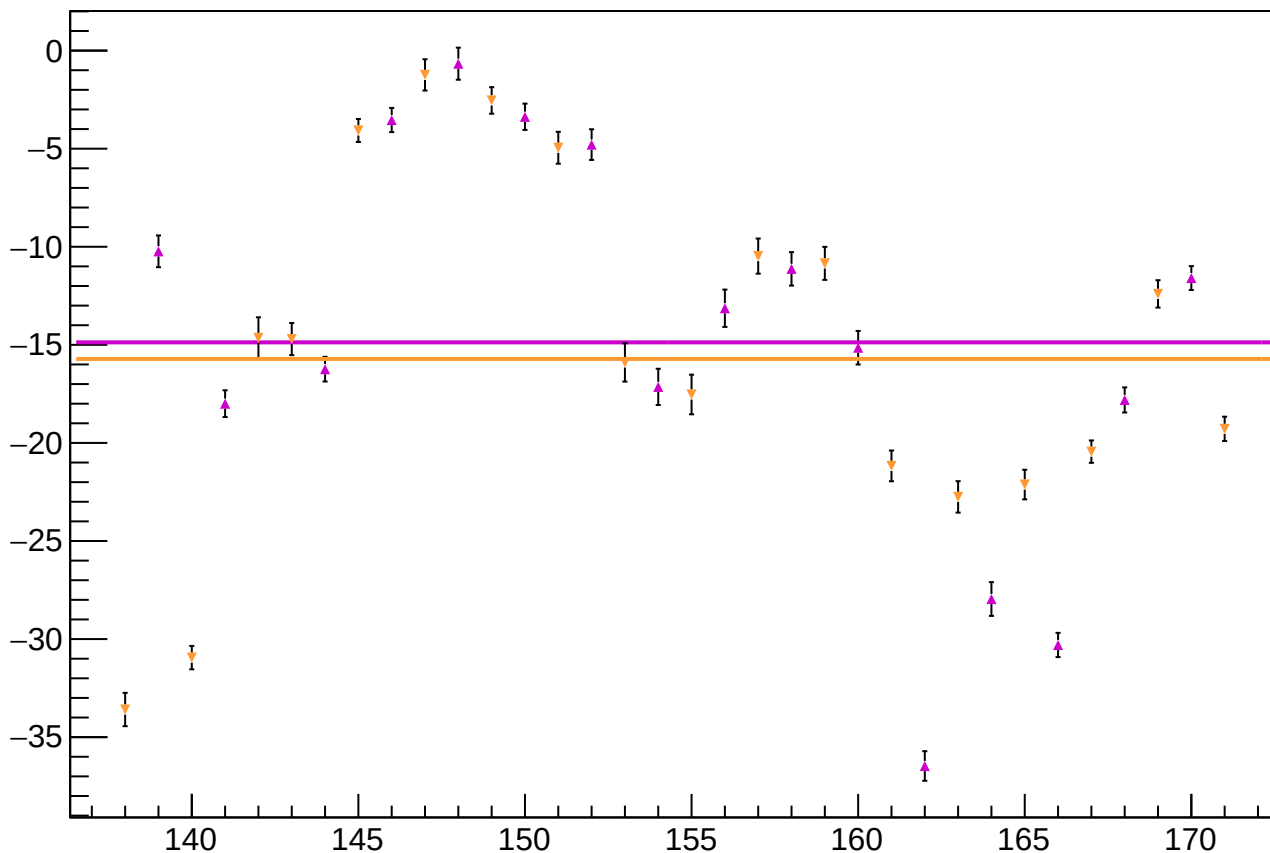
Left In: 0.398 $\pm$ 0.005 χ^2 /NDF:2549.7/15

+ sign 0.401 $\pm$ 0.005 χ^2 /NDF: 2095.7/34

All: 0.386 $\pm$ 0.003 χ^2 /NDF: 5873.2/69

- sign 0.370 $\pm$ 0.005 χ^2 /NDF: 3755.4/34

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: -15.719 $\pm$ 0.176 χ^2 /NDF: 2769.3/17

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

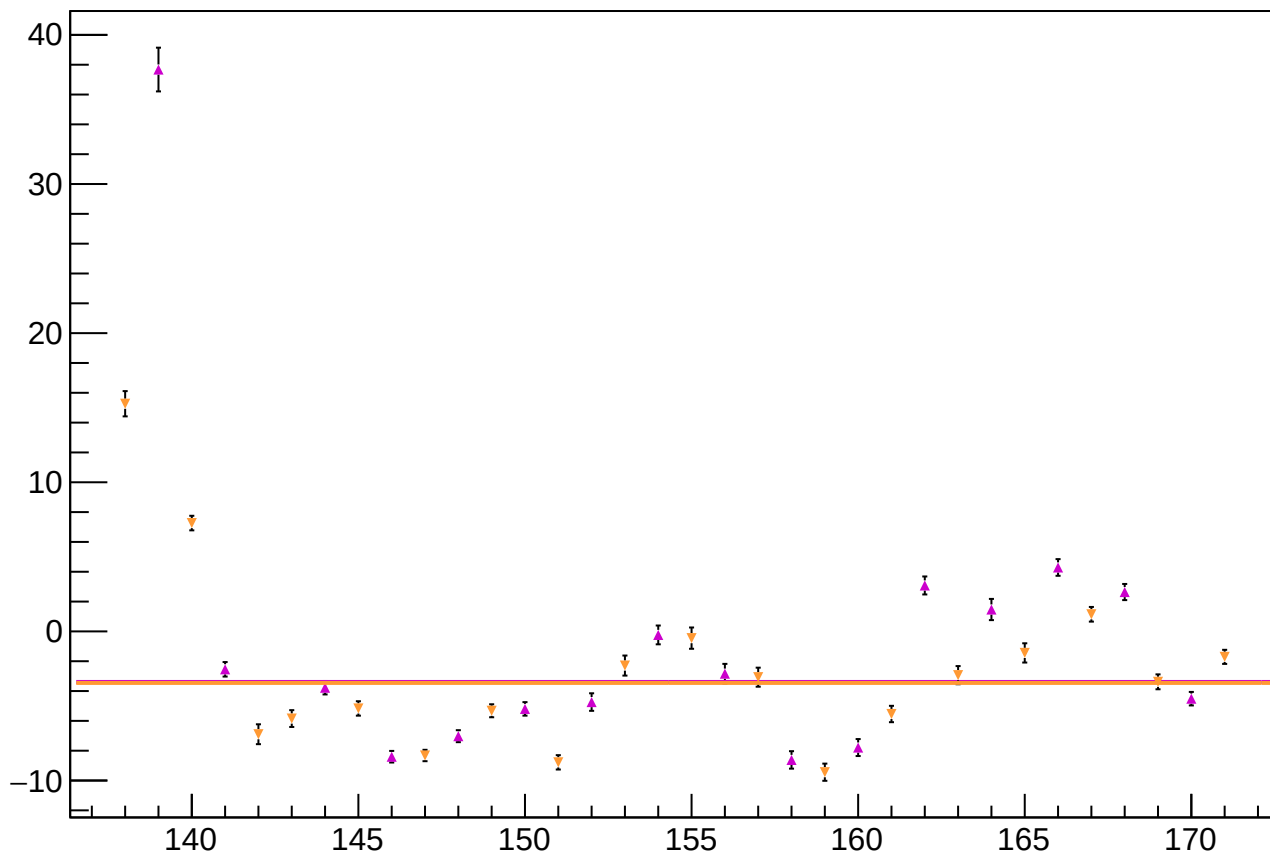
Left In: -14.874 $\pm$ 0.182 χ^2 /NDF: 2912.3/15

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

All: -15.310 $\pm$ 0.127 χ^2 /NDF: 5692.7/33

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

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -3.455 $\pm$ 0.127 χ^2 /NDF:1585.3/17

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

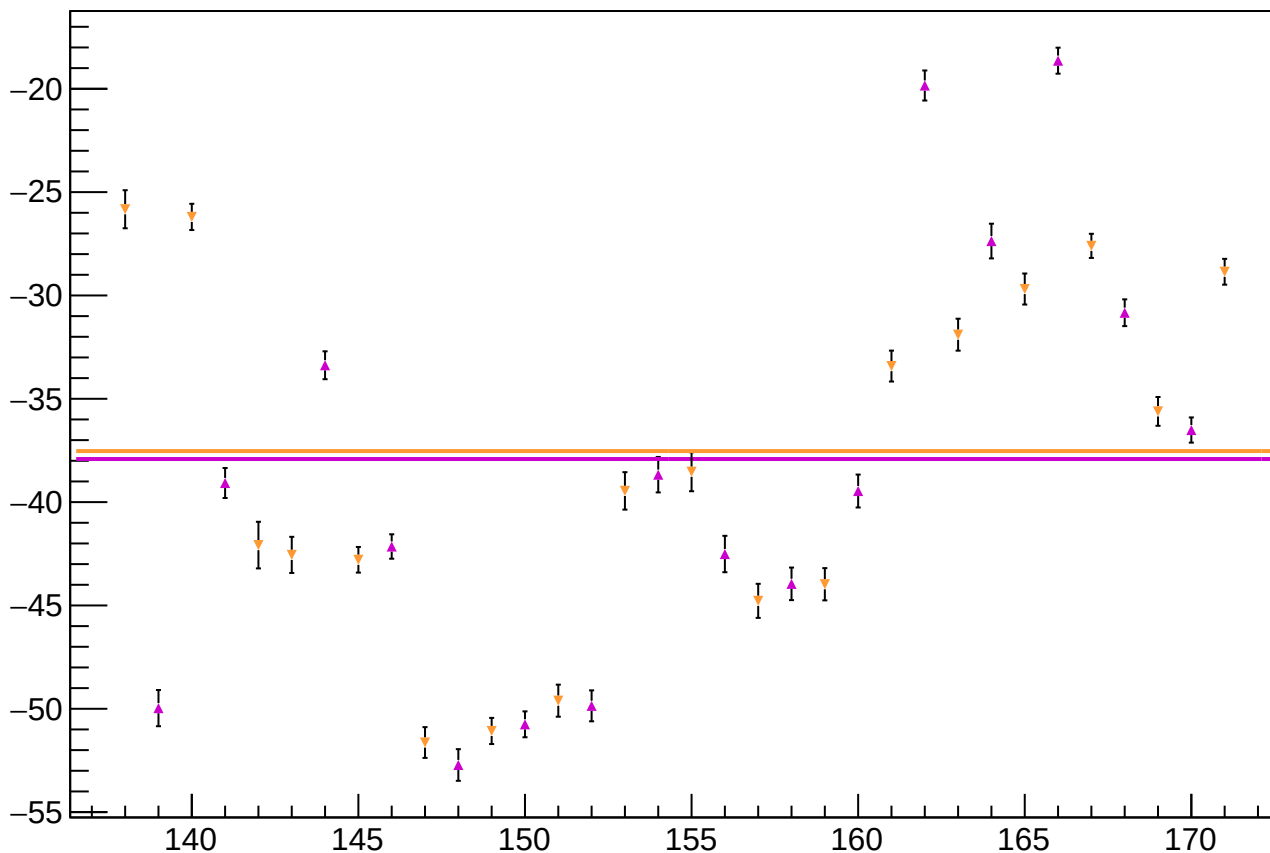
Left In: -3.391 $\pm$ 0.132 χ^2 /NDF:1702.5/15

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

All: -3.424 $\pm$ 0.091 χ^2 /NDF: 3287.9/33

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

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -37.529+/-0.175 χ^2/NDF : 2493.1/17

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

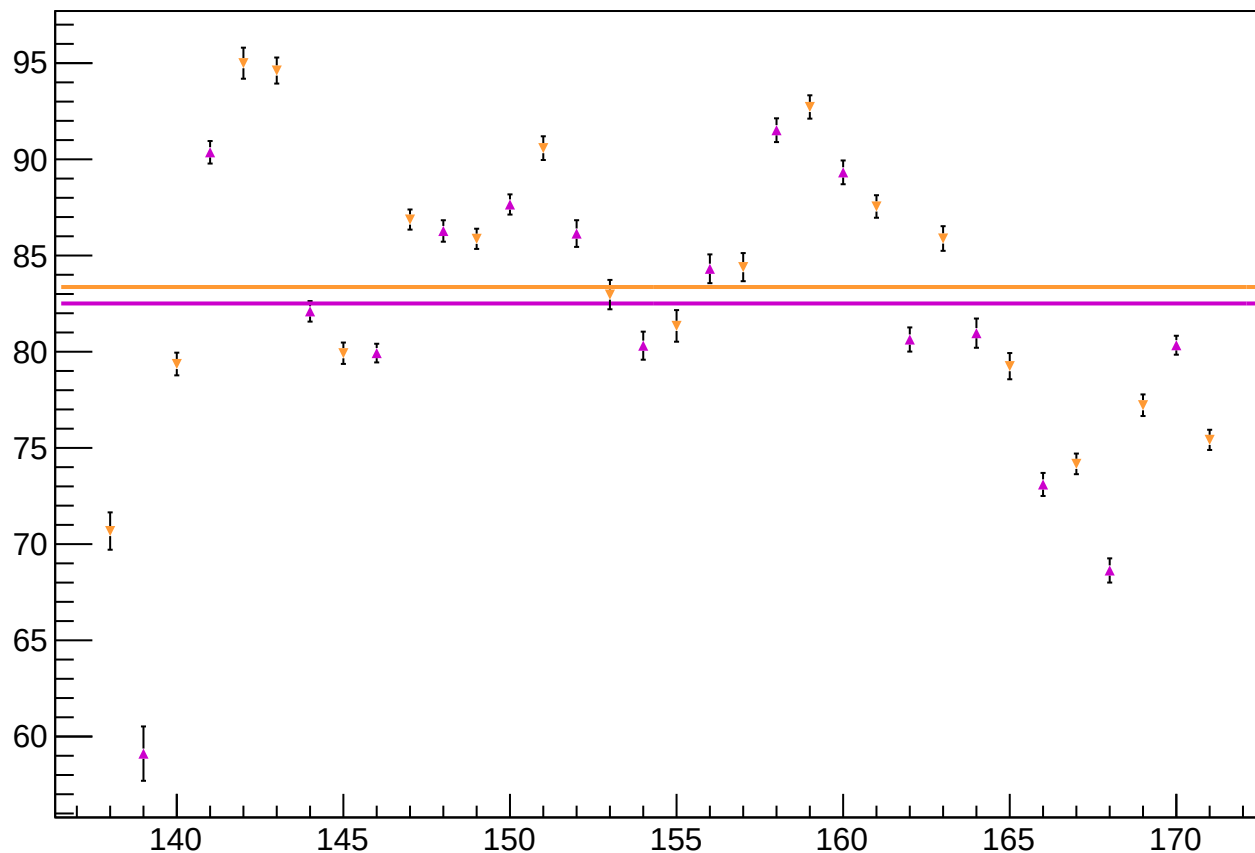
Left In: -37.914+/-0.180 χ^2/NDF : 3265.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -37.717+/-0.125 χ^2/NDF : 5760.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 83.364+/-0.147 χ^2/NDF :1935.9/17

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

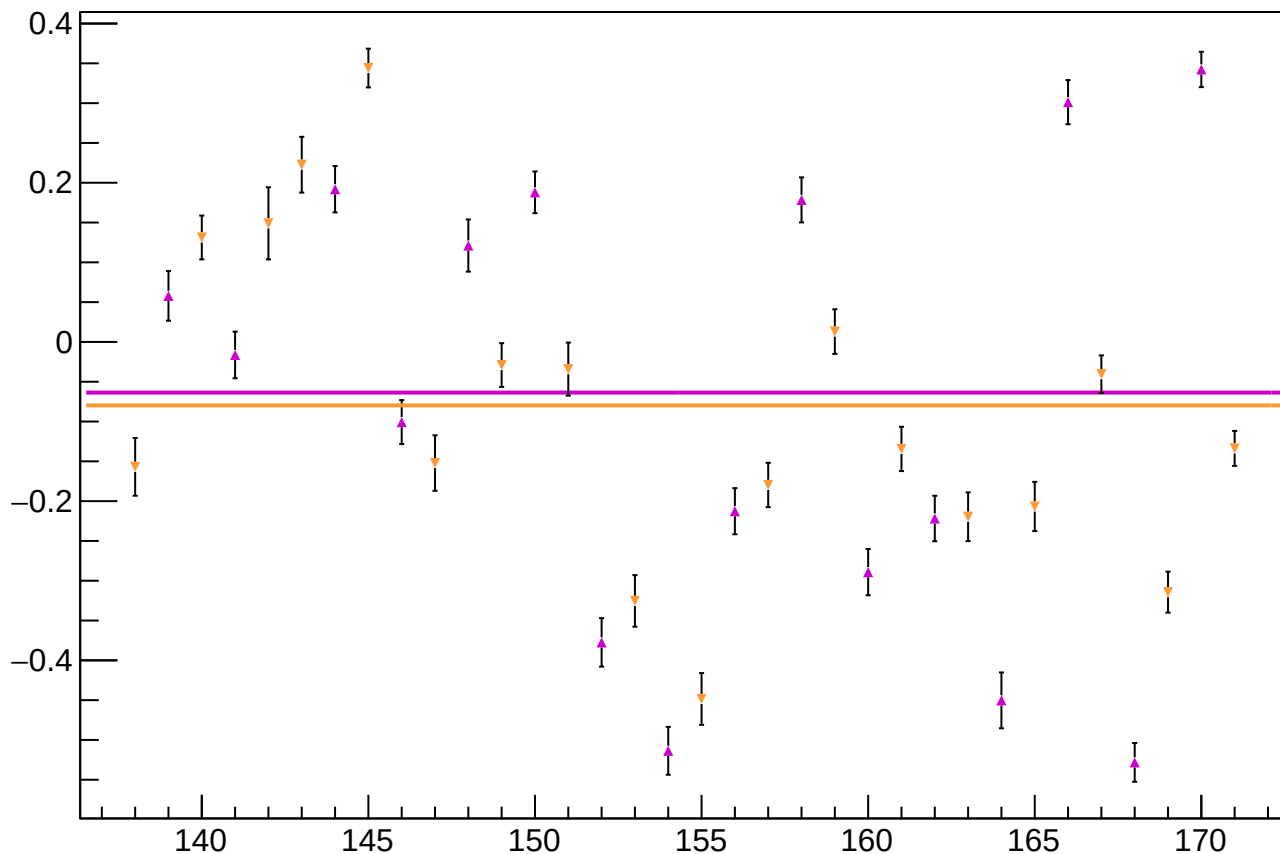
Left In: 82.508+/-0.153 χ^2/NDF :1767.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 82.953+/-0.106 χ^2/NDF : 3719.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

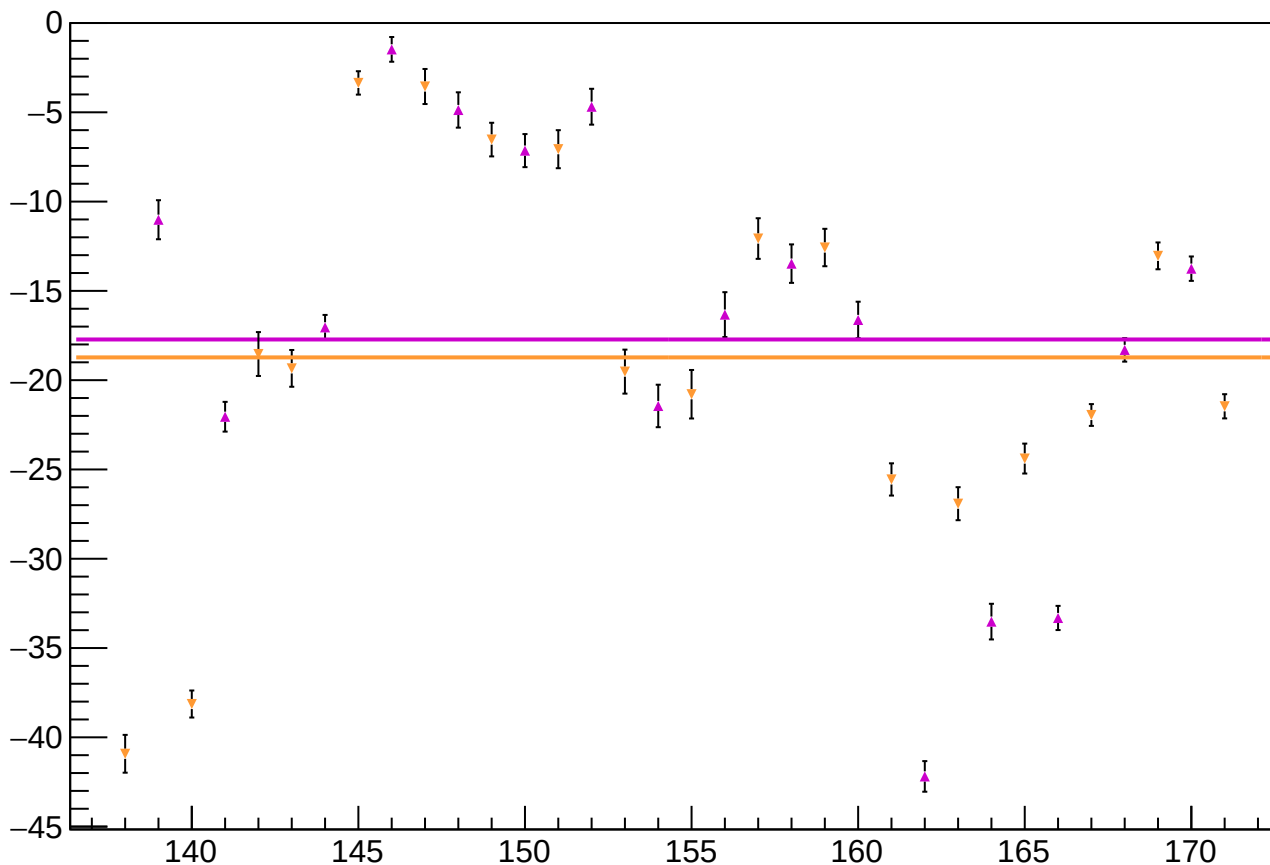
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.080 $\pm$ 0.007 χ^2 /NDF:819.3/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.064 $\pm$ 0.007 χ^2 /NDF:1733.1/15

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.072 $\pm$ 0.005 χ^2 /NDF: 2555.1/33
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -18.725 ± 0.209 χ^2/NDF : 2529.5/17

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

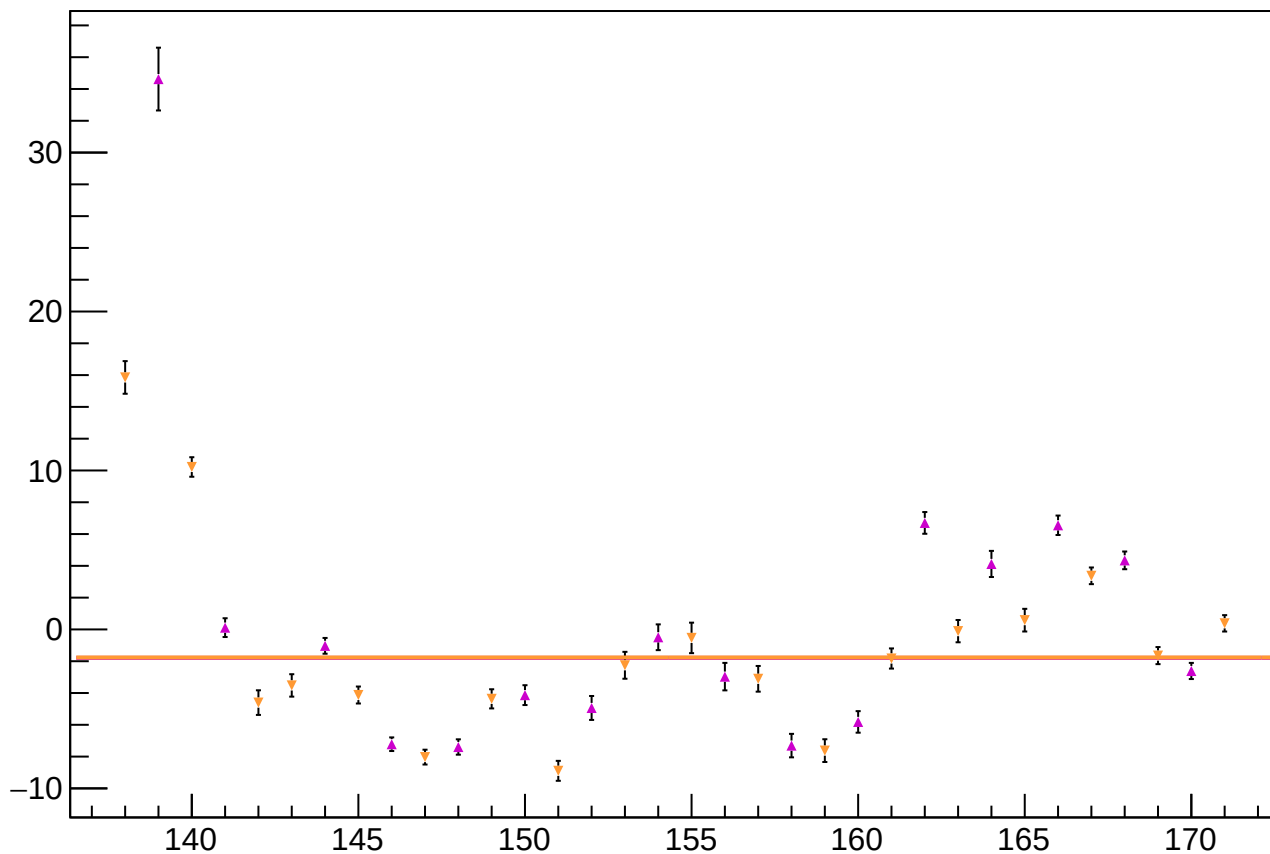
Left In: -17.721 ± 0.214 χ^2/NDF : 2741.9/15

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -18.236 ± 0.150 χ^2/NDF : 5282.7/33

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -1.765 $\pm$ 0.151 χ^2 /NDF:1243.7/17

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

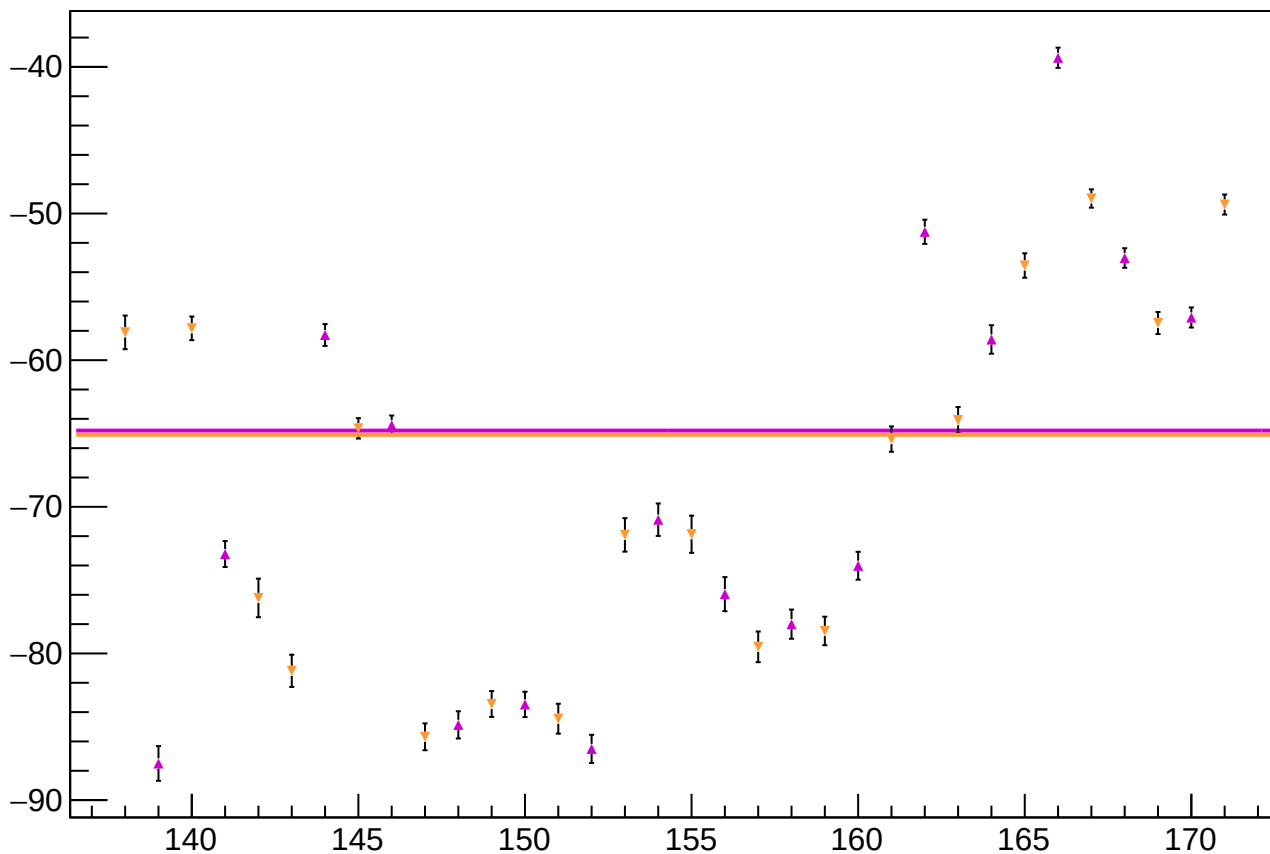
Left In: -1.789 $\pm$ 0.155 χ^2 /NDF:1290.8/15

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

All: -1.777 $\pm$ 0.108 χ^2 /NDF: 2534.5/33

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

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -65.088+/-0.208 χ^2/NDF : 3640.9/17

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

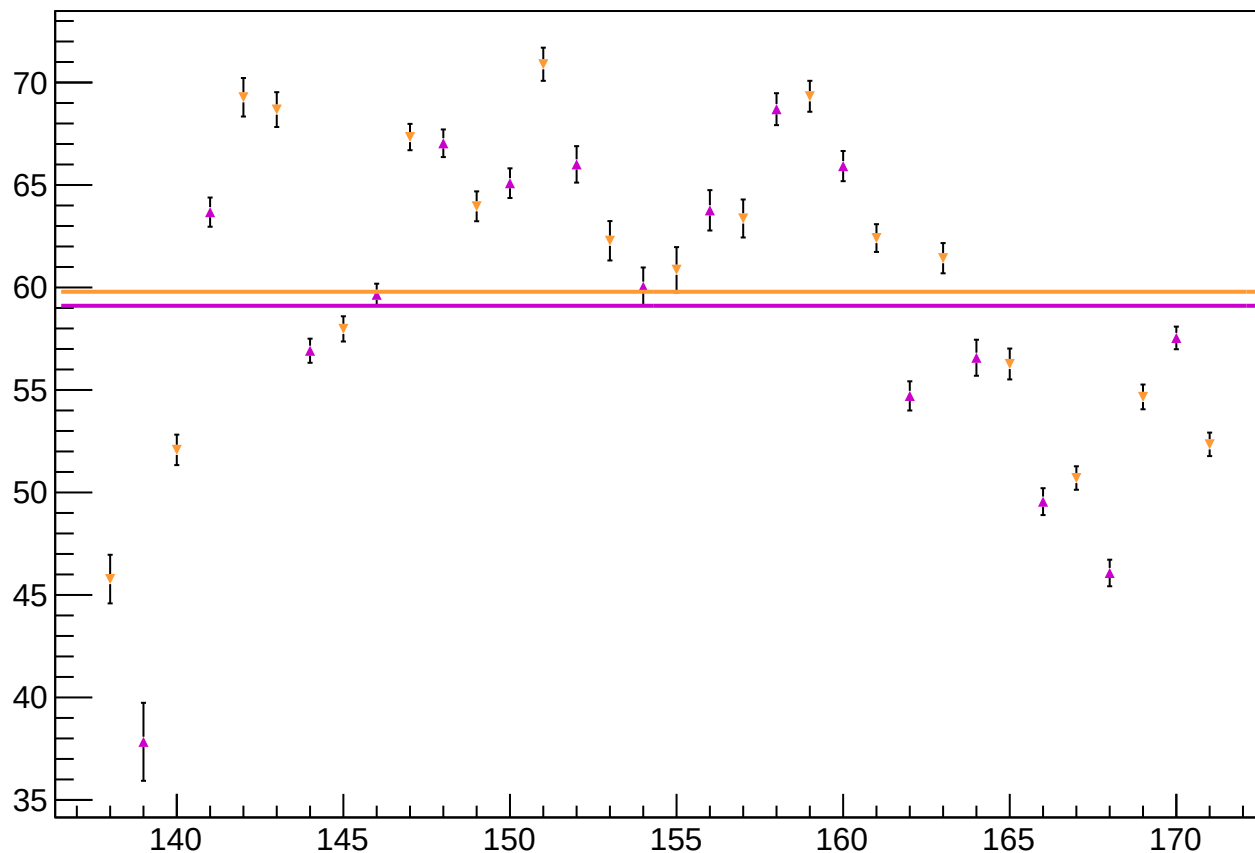
Left In: -64.802+/-0.212 χ^2/NDF : 4479.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -64.948+/-0.148 χ^2/NDF : 8121.4/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 59.791+/-0.174 χ^2/NDF : 1543.5/17

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

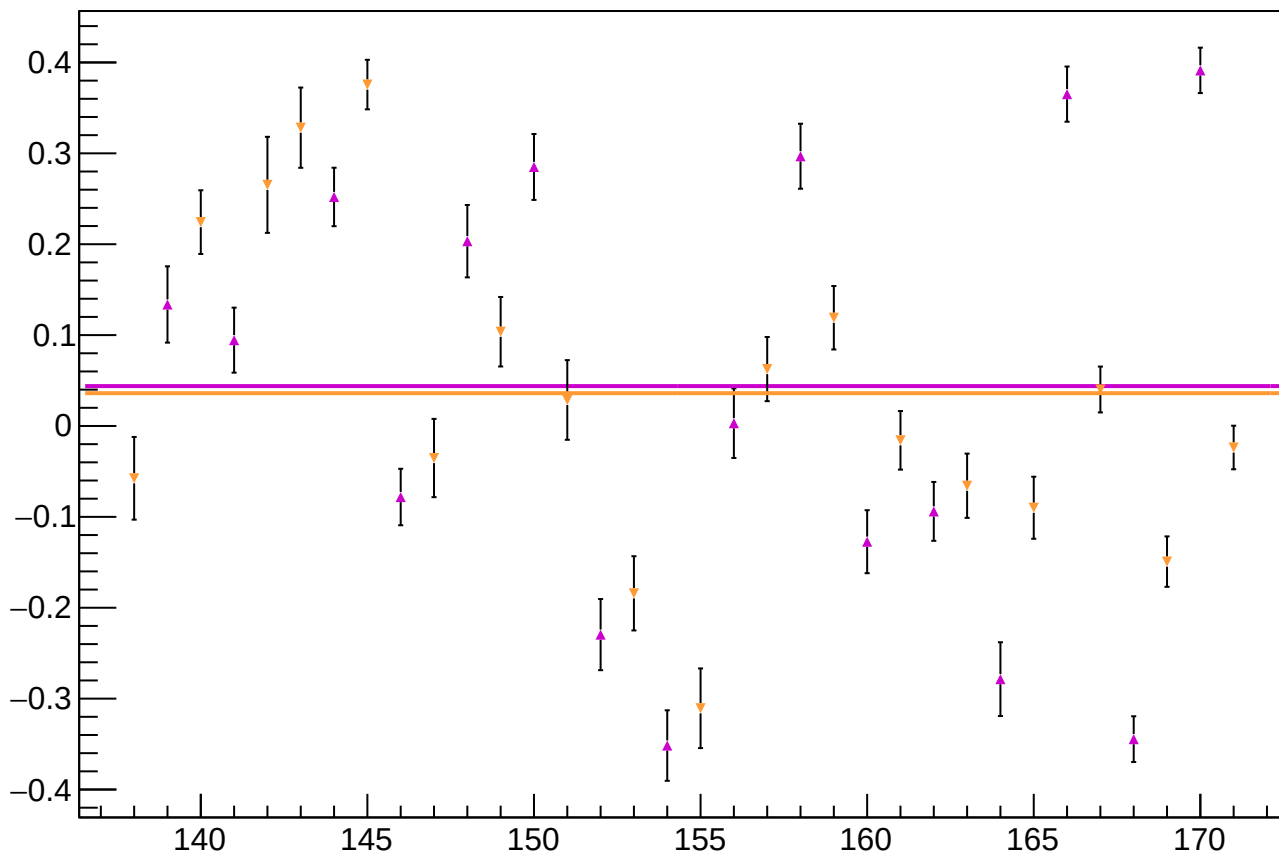
Left In: 59.108+/-0.180 χ^2/NDF : 1380.2/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 59.461+/-0.125 χ^2/NDF : 2931.2/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.036 $\pm$ 0.008 χ^2 /NDF:430.1/17

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

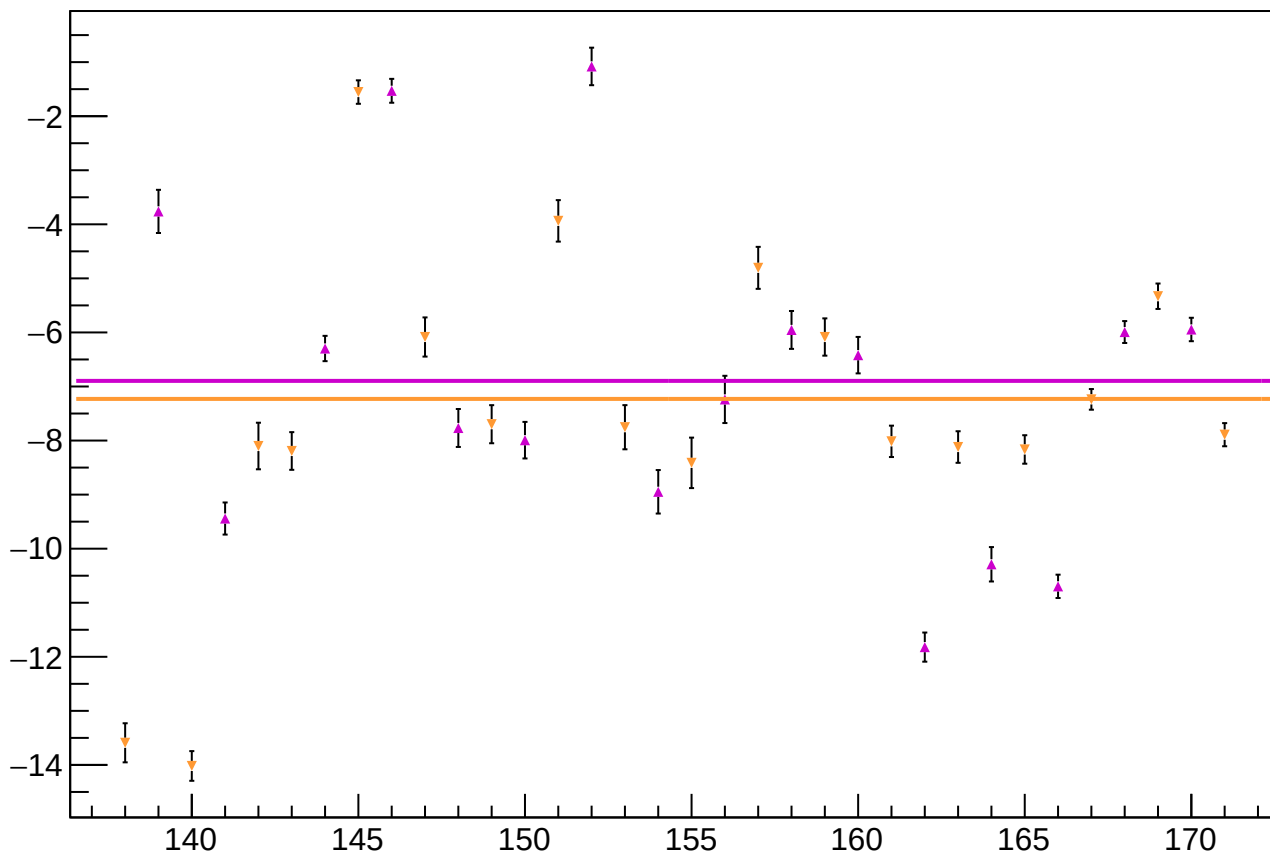
Left In: 0.044 $\pm$ 0.008 χ^2 /NDF:977.0/15

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

All: 0.040 $\pm$ 0.006 χ^2 /NDF: 1407.5/33

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

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



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

Left Out: -7.230+/-0.069 χ^2/NDF : 1864.1/17

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

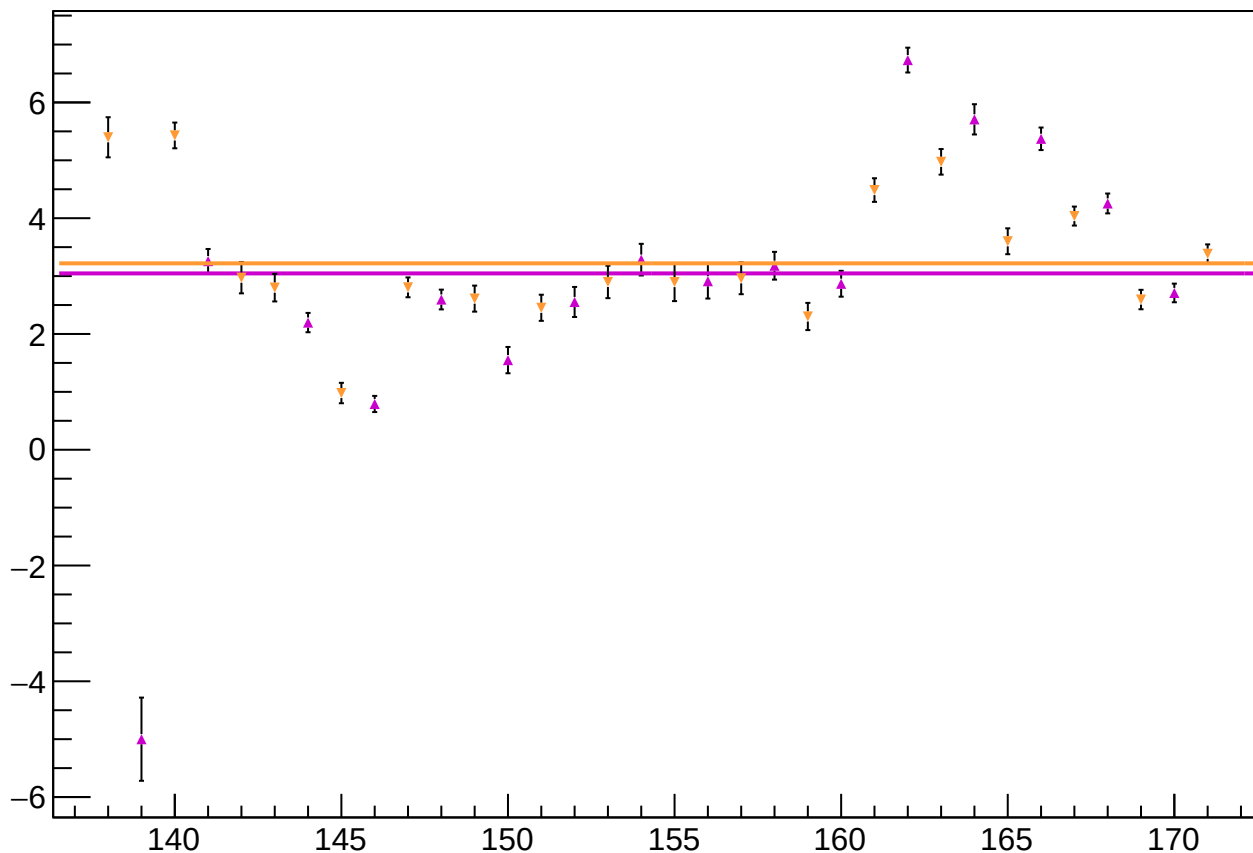
Left In: -6.896+/-0.071 χ^2/NDF : 1862.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -7.066+/-0.049 χ^2/NDF : 3737.8/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

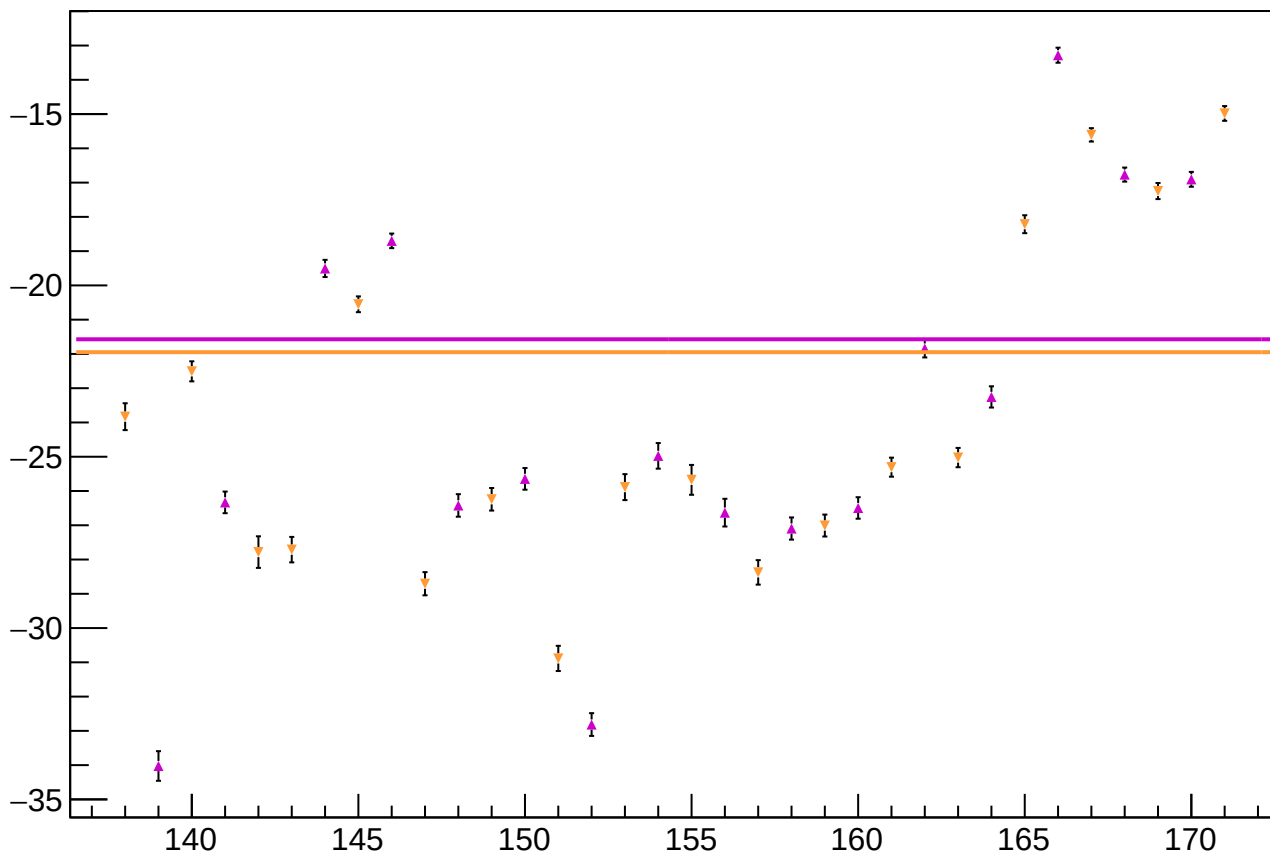
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.220 $\pm$ 0.050 χ^2 /NDF:491.0/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.046 $\pm$ 0.051 χ^2 /NDF:1064.8/15

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 3.135 $\pm$ 0.036 χ^2 /NDF: 1561.7/33
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -21.948 $\pm$ 0.069 χ^2 /NDF: 5344.6/17

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

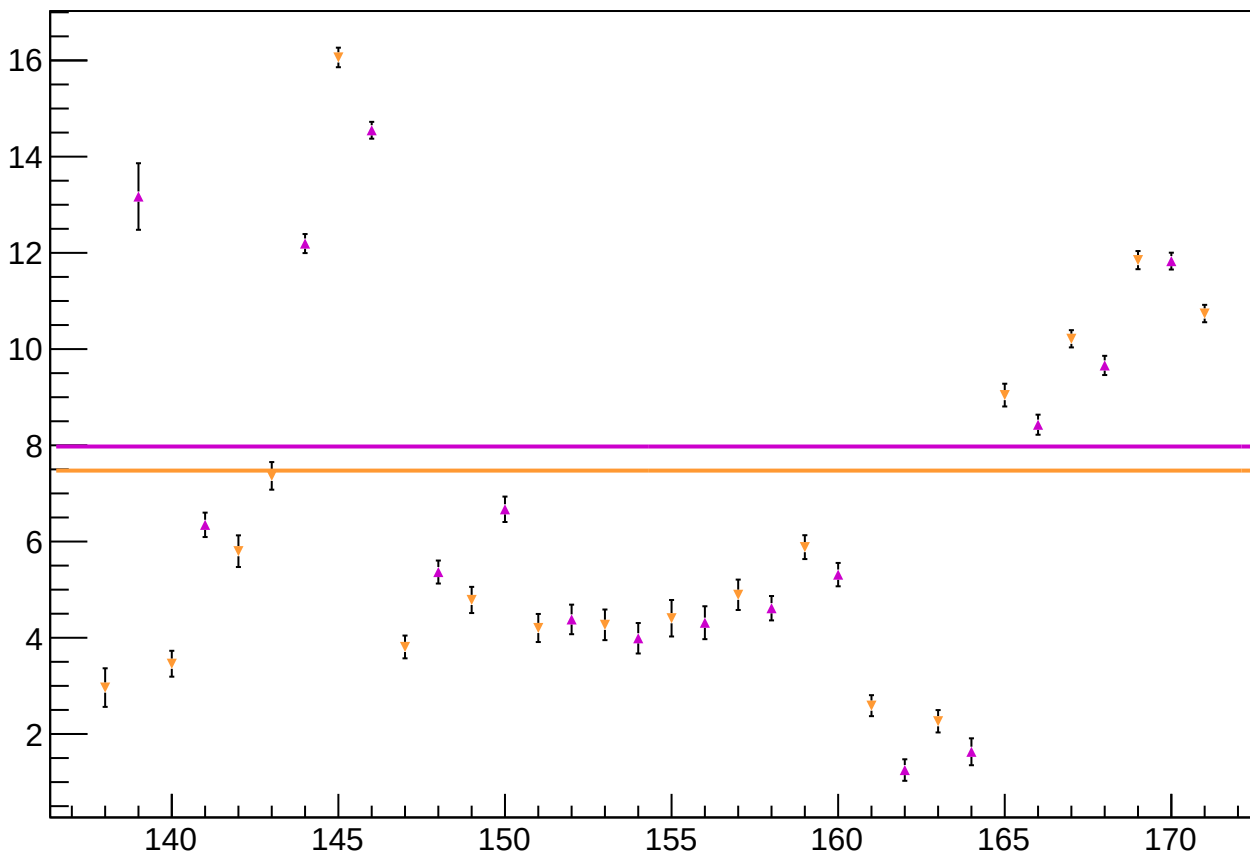
Left In: -21.572 $\pm$ 0.070 χ^2 /NDF: 6078.3/15

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

All: -21.762 $\pm$ 0.049 χ^2 /NDF: 11437.6/33

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

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 7.475+/-0.058 χ^2/NDF :5044.2/17

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

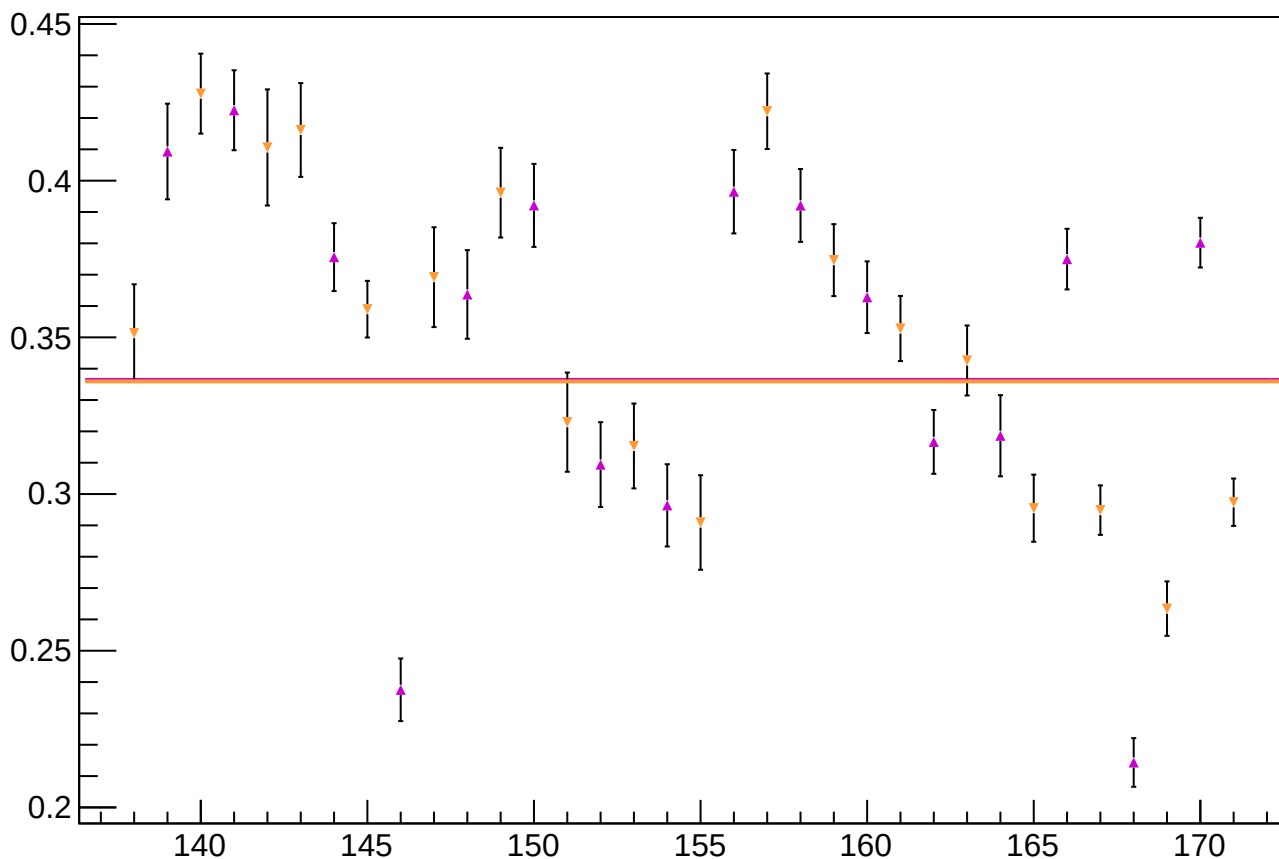
Left In: 7.975+/-0.059 χ^2/NDF :4794.7/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7.718+/-0.041 χ^2/NDF : 9875.3/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 0.336 $\pm$ 0.003 χ^2 /NDF:340.8/17

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

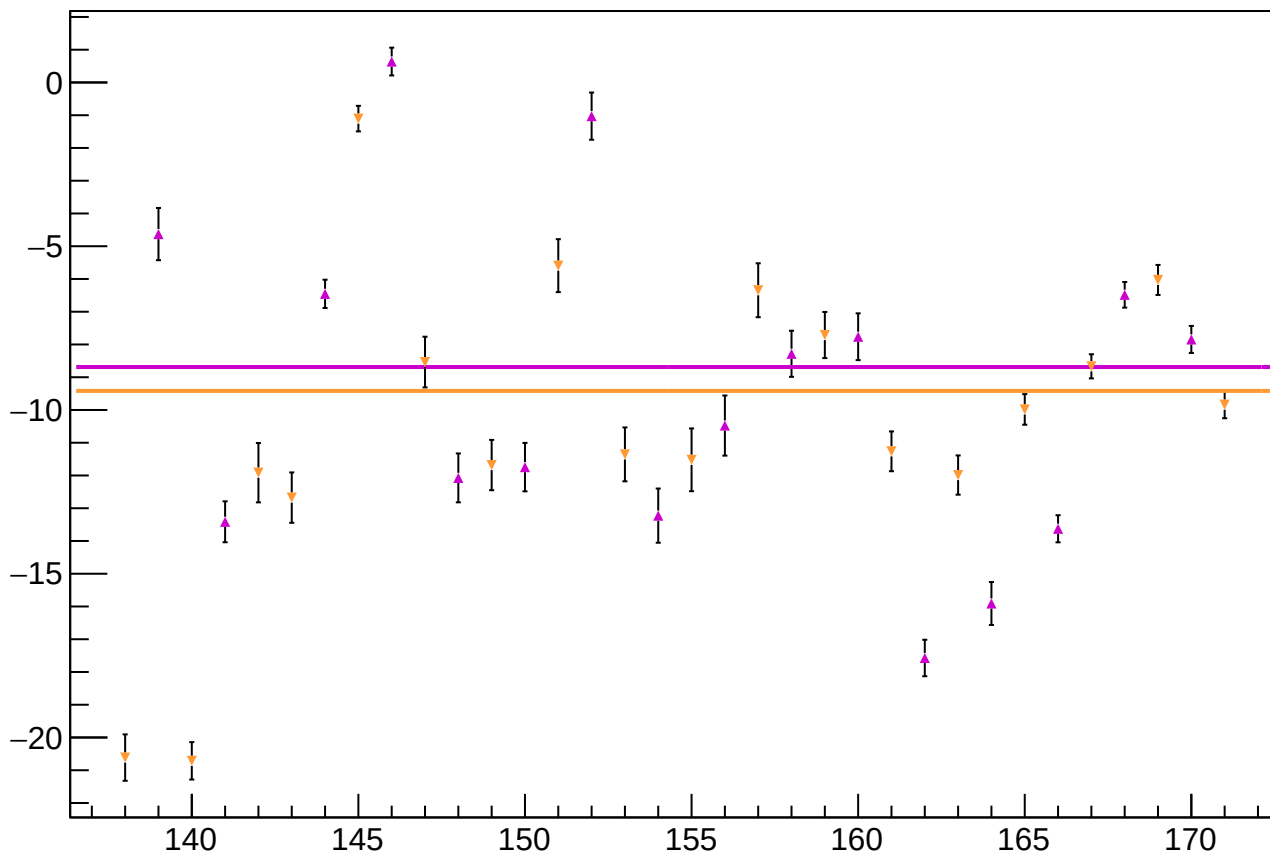
Left In: 0.336 $\pm$ 0.003 χ^2 /NDF:561.6/15

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

All: 0.336 $\pm$ 0.002 χ^2 /NDF: 902.4/33

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

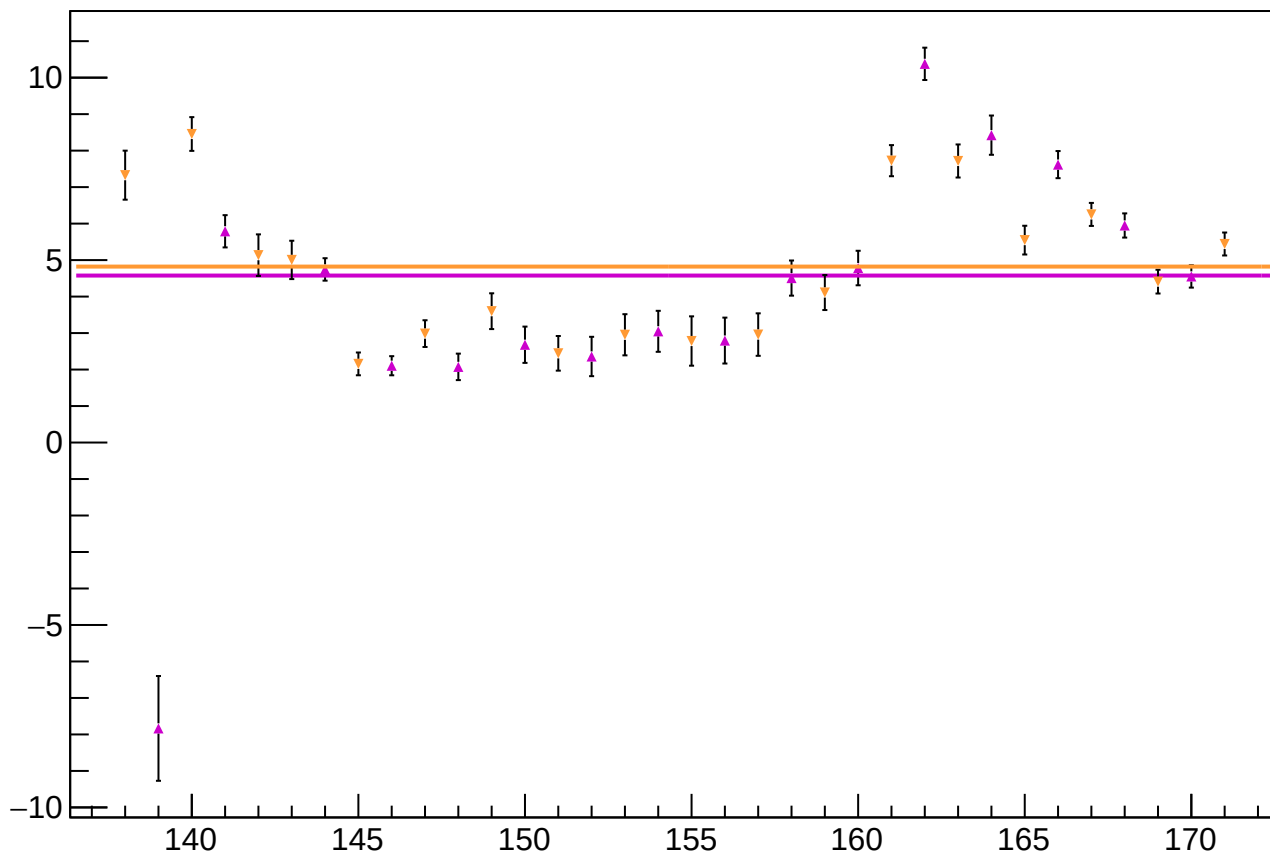
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -9.418 ± 0.137 χ^2/NDF : 1271.5/17
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -8.688 ± 0.140 χ^2/NDF : 1334.4/15

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: -9.062 ± 0.098 χ^2/NDF : 2619.7/33
 - sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

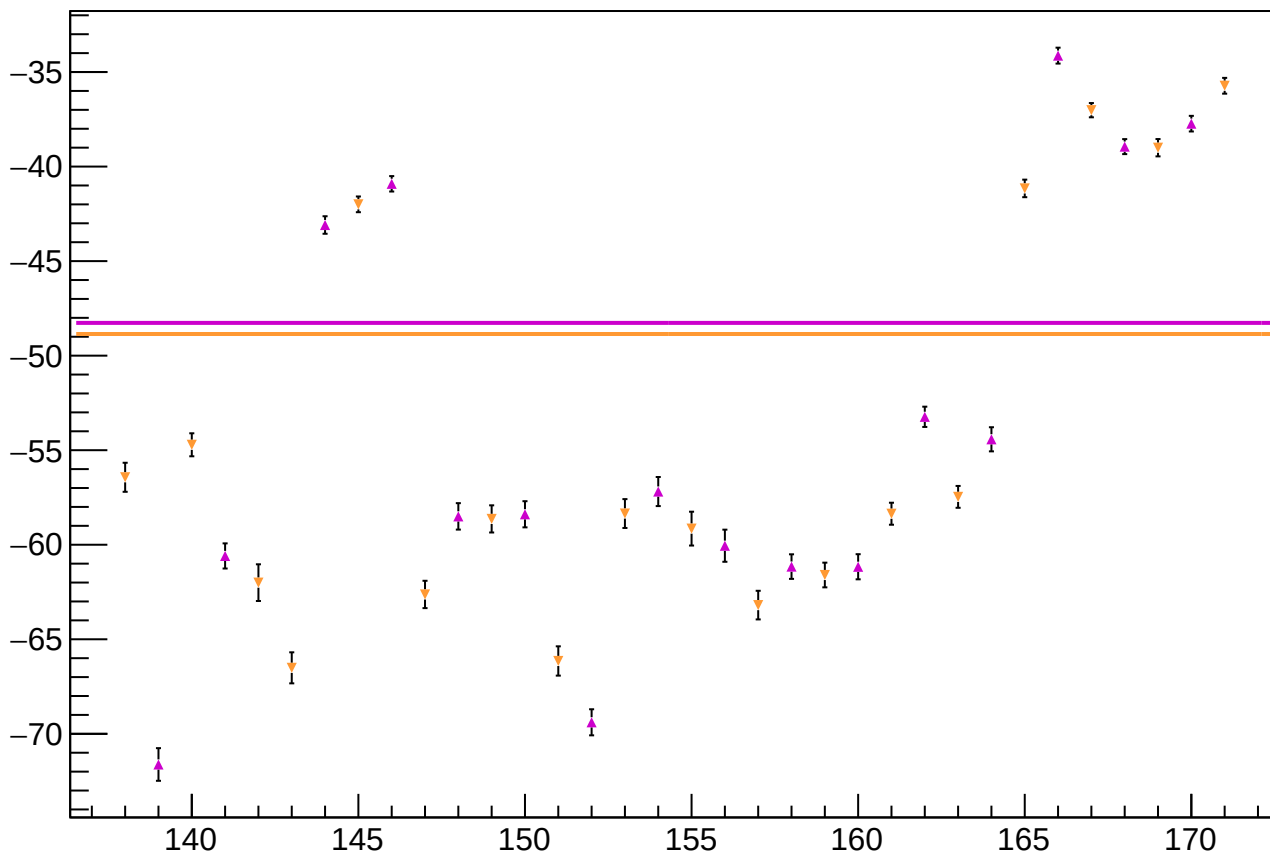
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.822 $\pm$ 0.101 χ^2 /NDF:354.6/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.576 $\pm$ 0.102 χ^2 /NDF:572.8/15

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 4.701 $\pm$ 0.072 χ^2 /NDF: 930.3/33
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -48.855+/-0.137 χ^2/NDF : 6382.7/17

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

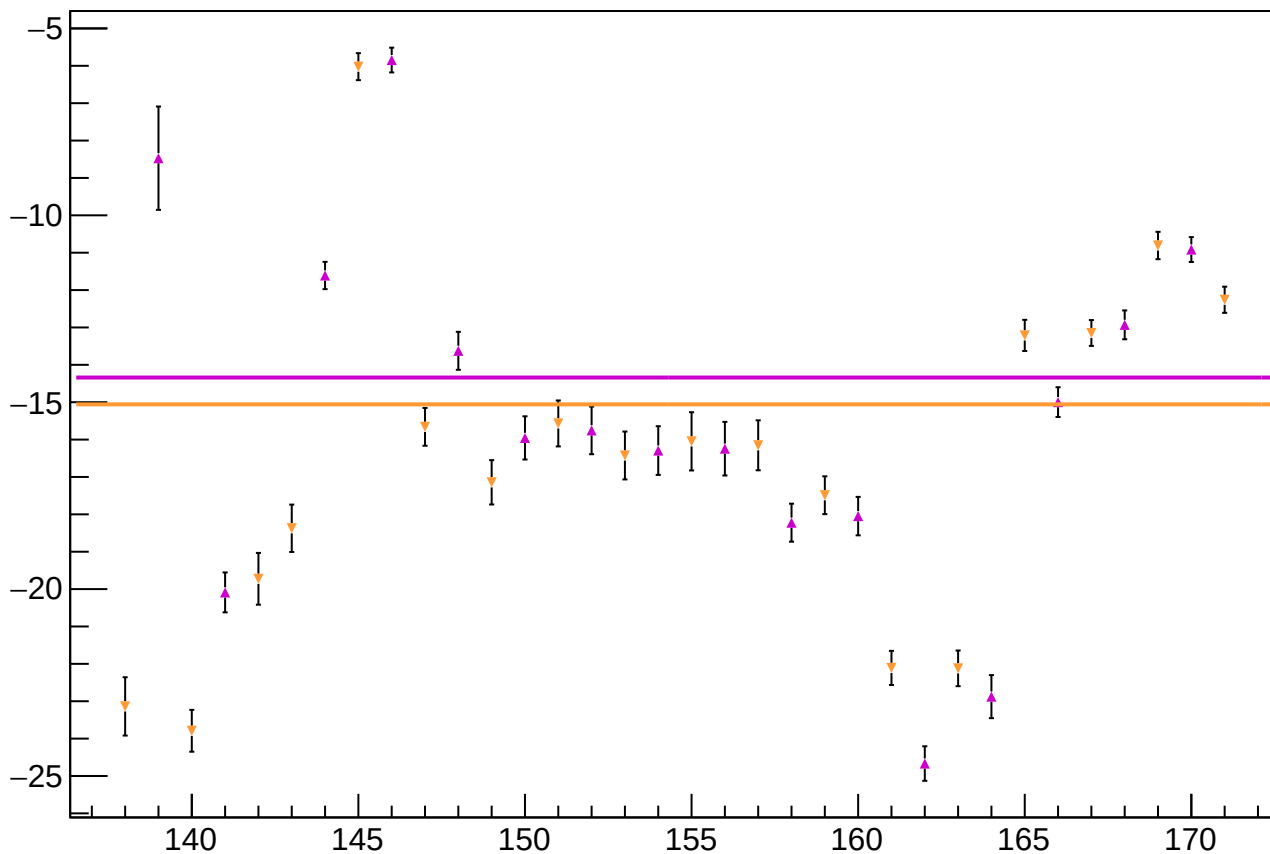
Left In: -48.267+/-0.139 χ^2/NDF : 6501.0/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -48.565+/-0.097 χ^2/NDF : 12892.8/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -15.058 $\pm$ 0.115 χ^2 /NDF:1803.8/17

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

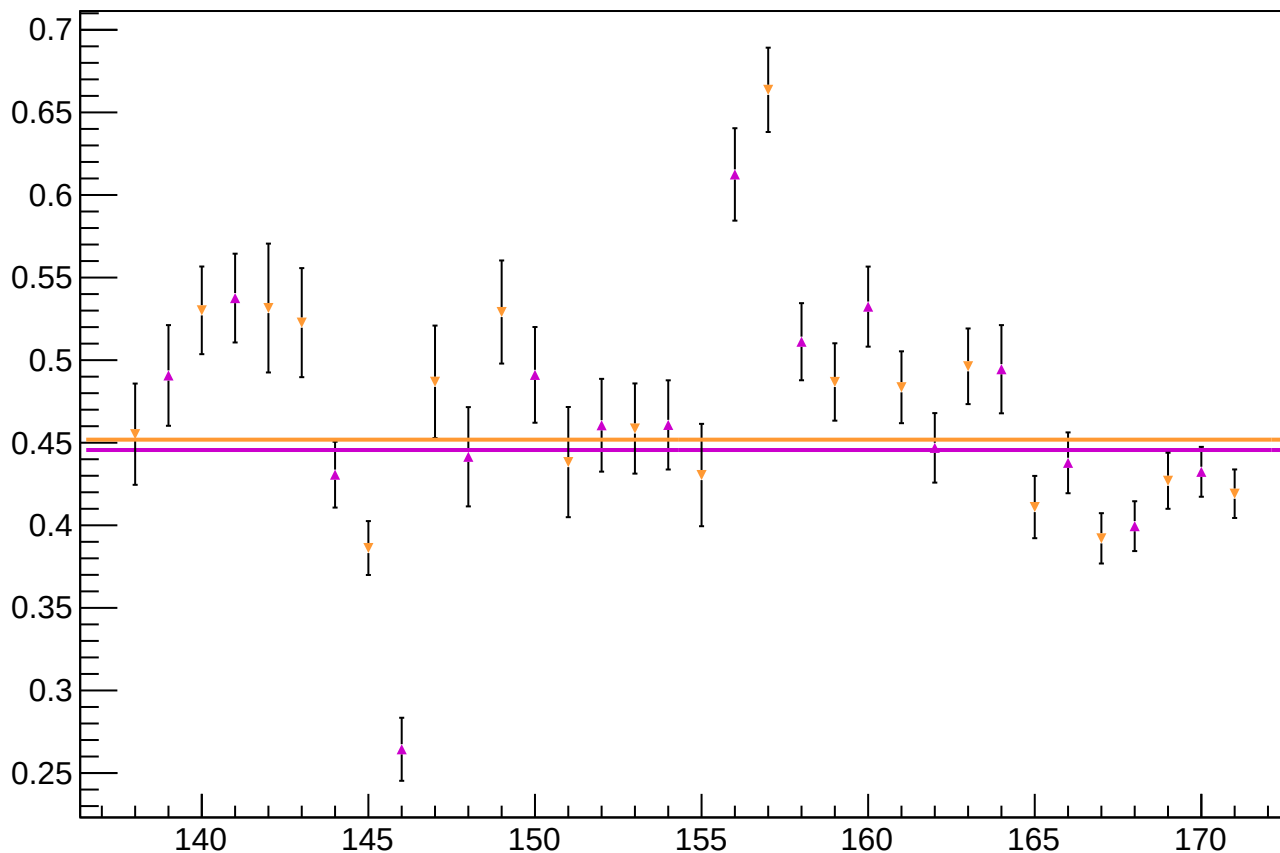
Left In: -14.340 $\pm$ 0.118 χ^2 /NDF:1830.7/15

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

All: -14.708 $\pm$ 0.082 χ^2 /NDF: 3653.5/33

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

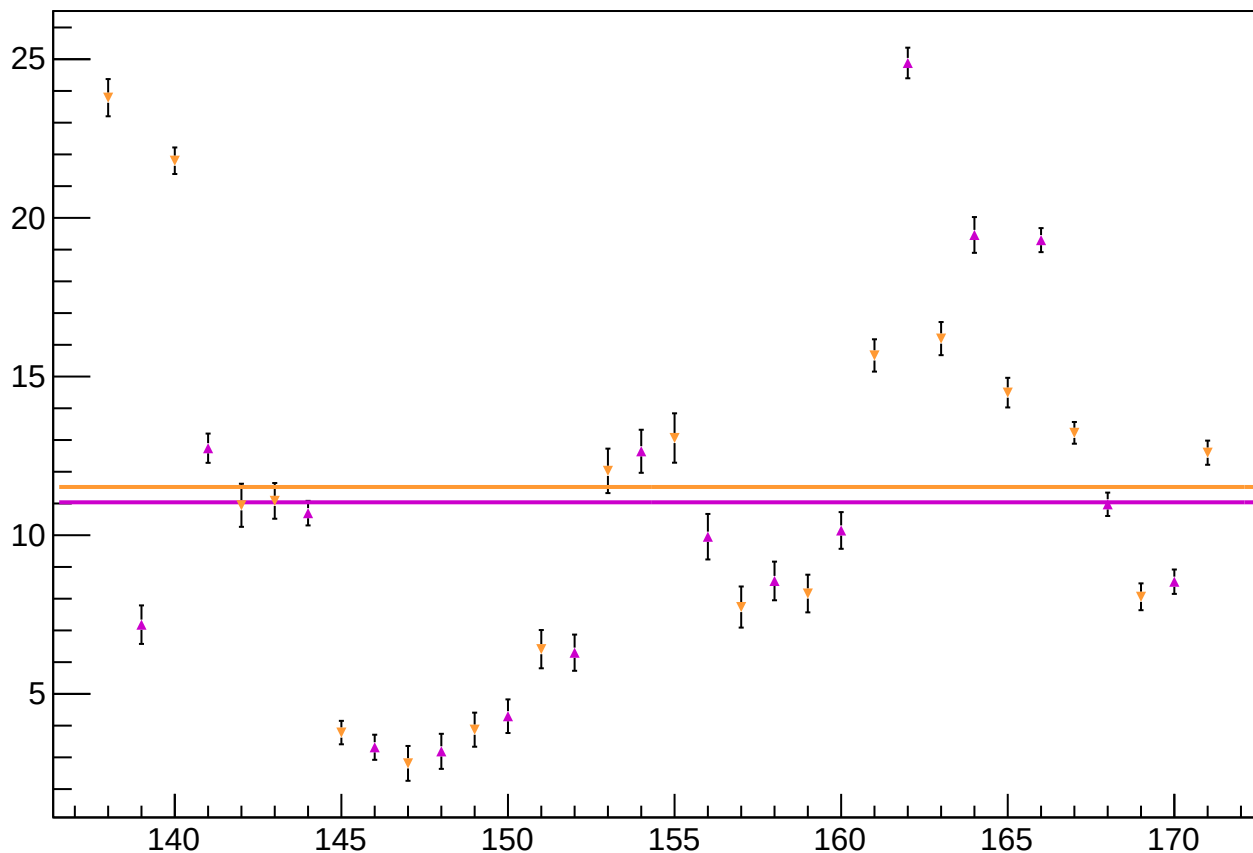
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 0.452 ± 0.005 $\chi^2/\text{NDF}: 145.7/17$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: 0.446 ± 0.006 $\chi^2/\text{NDF}: 177.6/15$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 All: 0.449 ± 0.004 $\chi^2/\text{NDF}: 323.9/33$
 - sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

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: 11.520 $\pm$ 0.117 χ^2 /NDF:2365.3/17

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

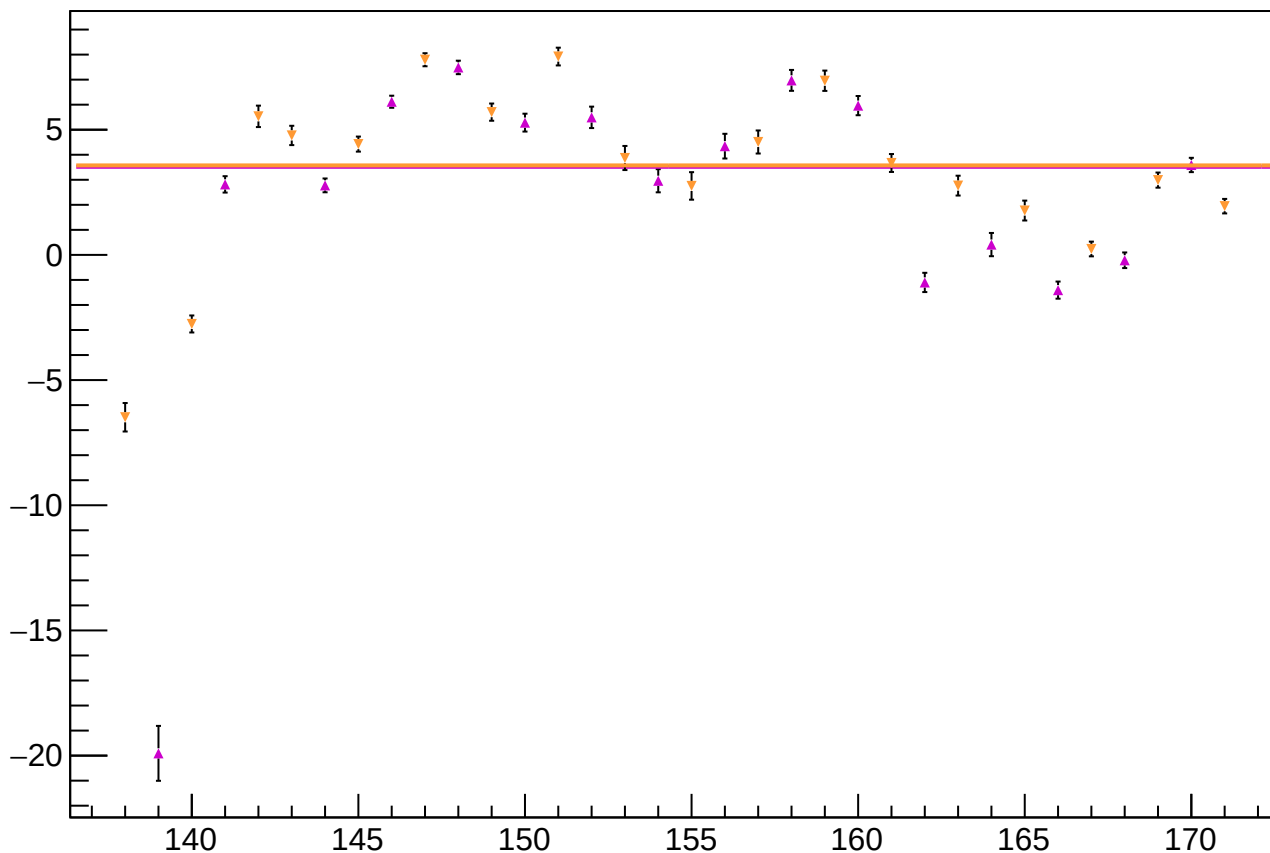
Left In: 11.037 $\pm$ 0.121 χ^2 /NDF:2460.6/15

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

All: 11.286 $\pm$ 0.084 χ^2 /NDF: 4834.2/33

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

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: 3.574 $\pm$ 0.085 χ^2 /NDF:1414.7/17

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

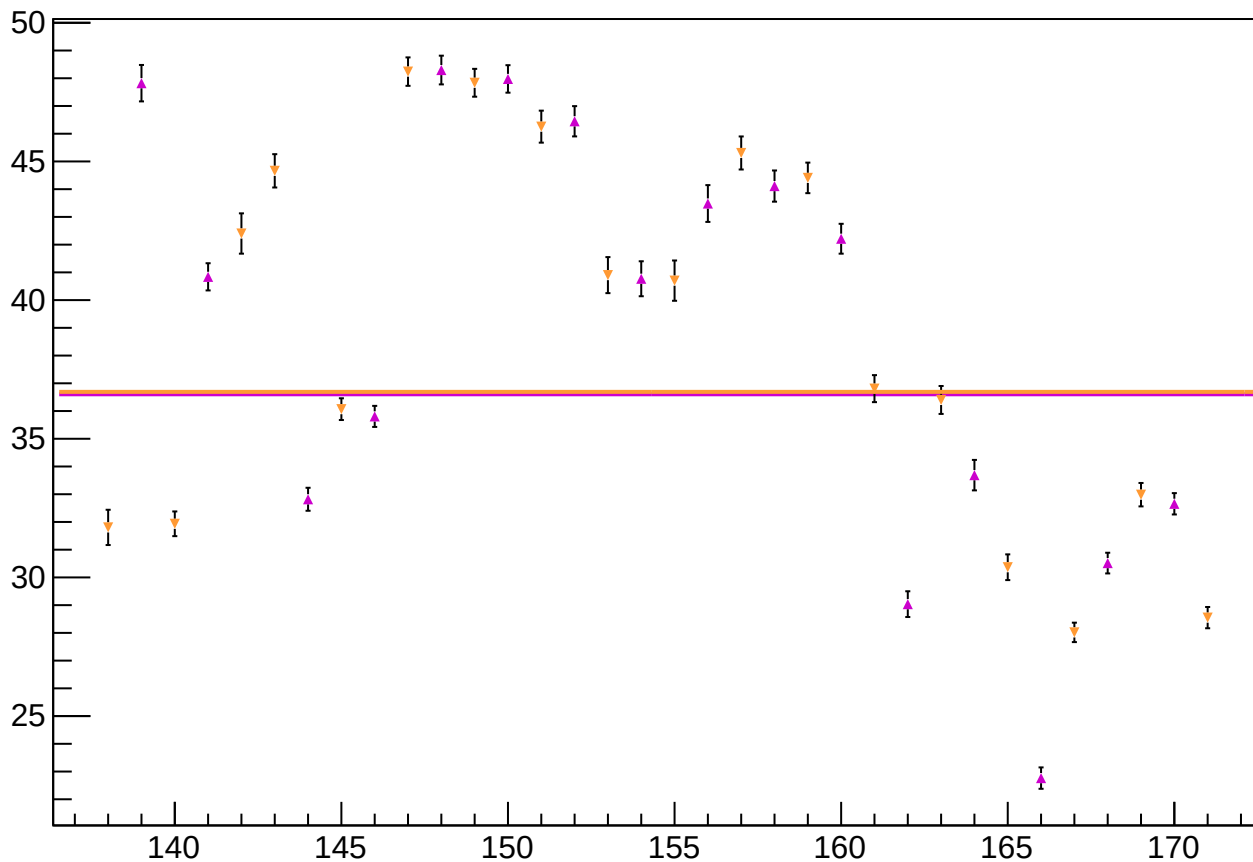
Left In: 3.519 $\pm$ 0.087 χ^2 /NDF:1499.9/15

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

All: 3.547 $\pm$ 0.061 χ^2 /NDF: 2914.7/33

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

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 36.692+/-0.117 χ^2/NDF : 3493.4/17

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

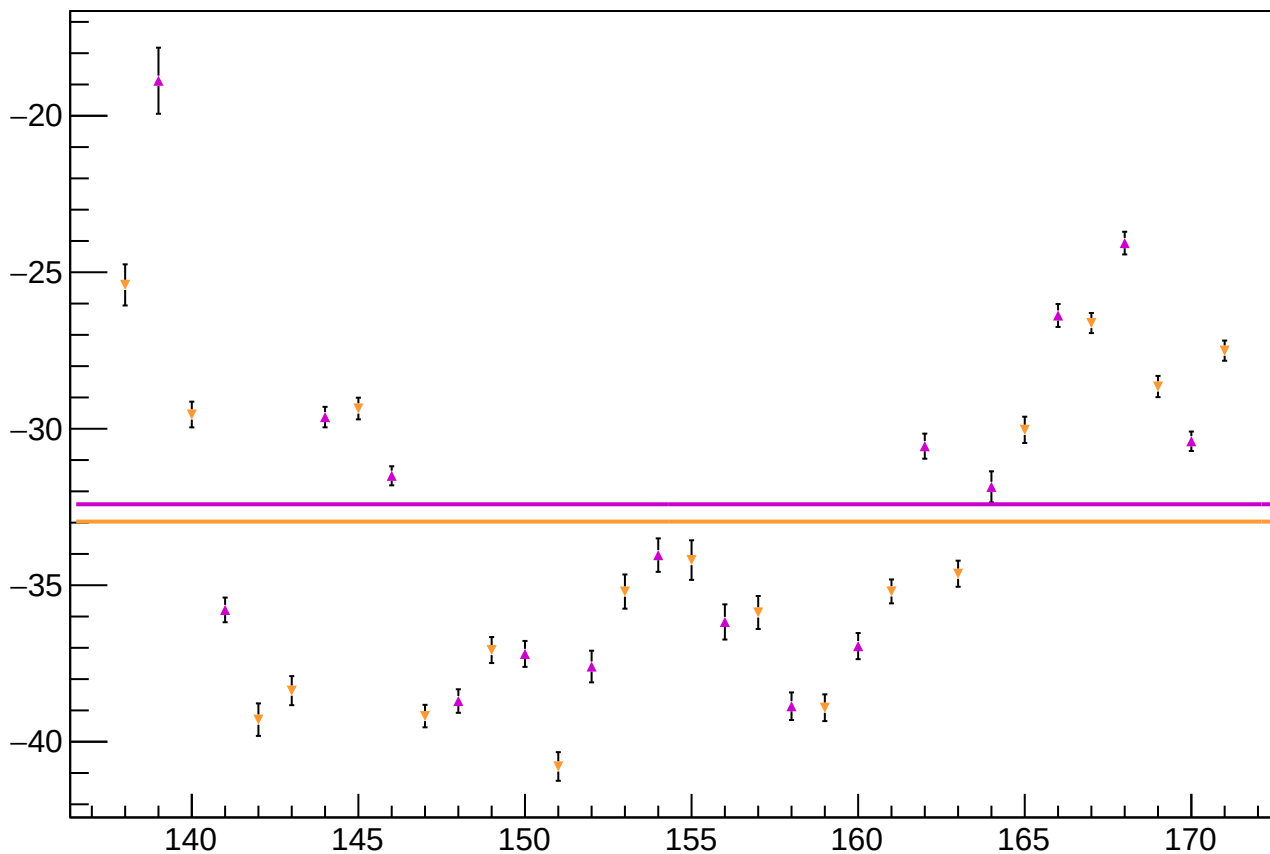
Left In: 36.604+/-0.119 χ^2/NDF : 4205.9/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 36.649+/-0.083 χ^2/NDF : 7699.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -32.966+/-0.098 χ^2/NDF : 2467.1/17

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

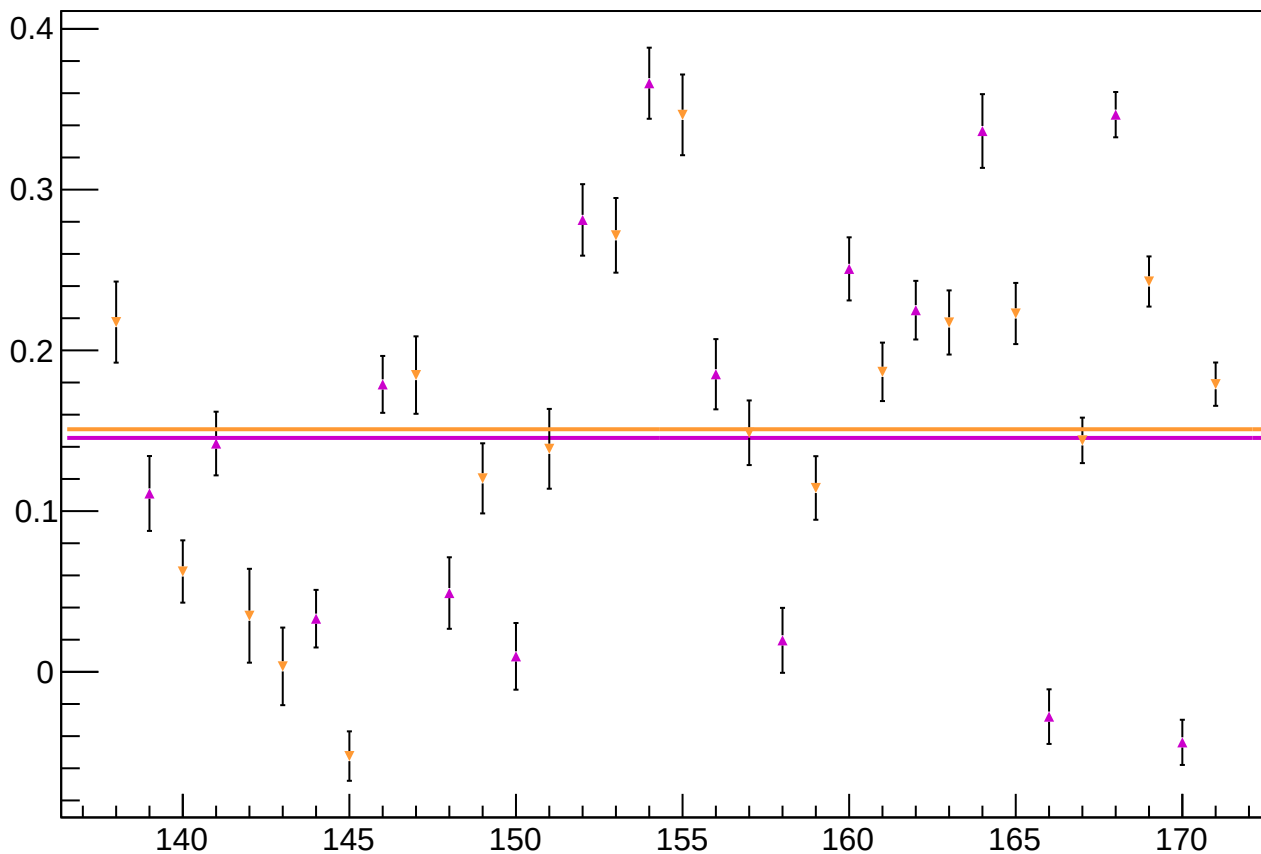
Left In: -32.413+/-0.101 χ^2/NDF : 2088.7/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.699+/-0.070 χ^2/NDF : 4571.3/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

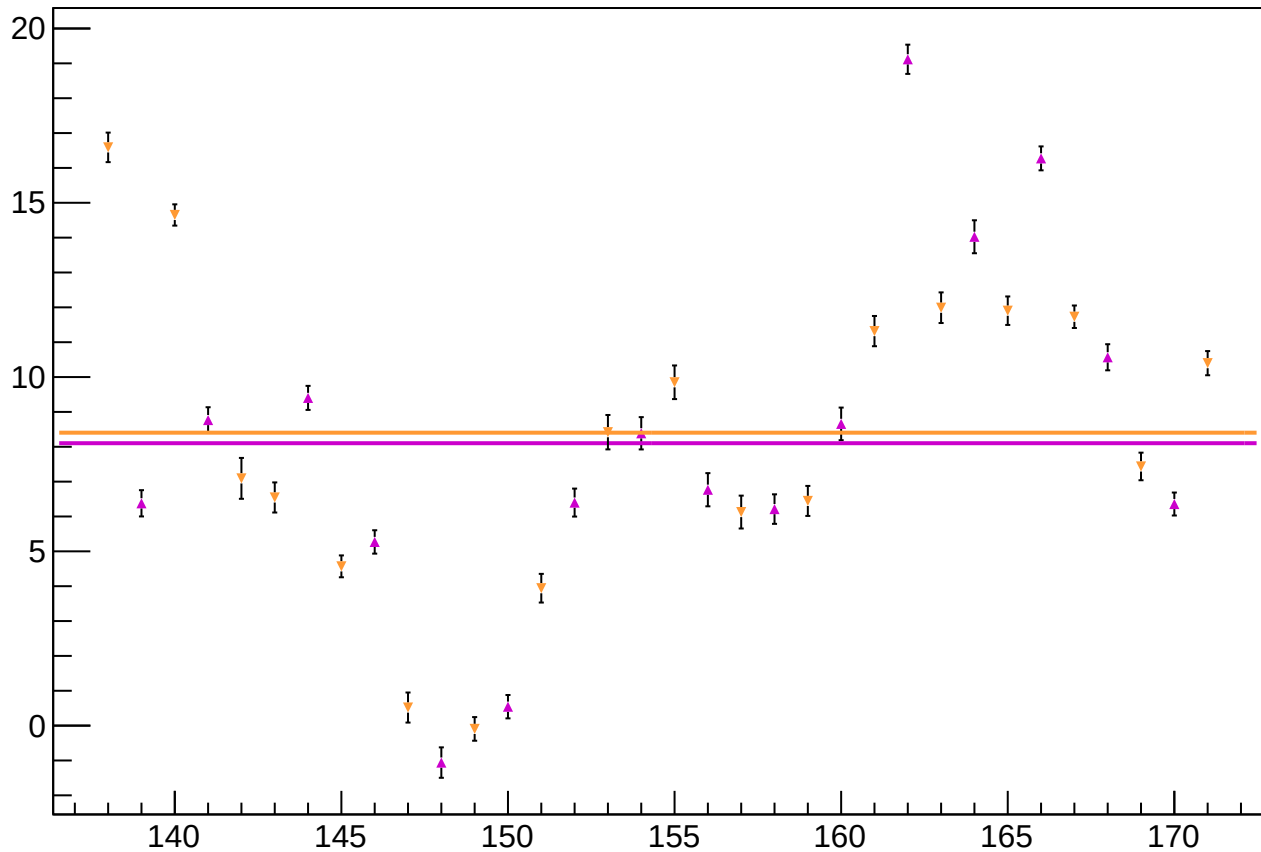
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.151+/-0.005 χ^2/NDF : 419.5/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.146+/-0.005 χ^2/NDF : 892.1/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.148+/-0.003 χ^2/NDF : 1312.2/33
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

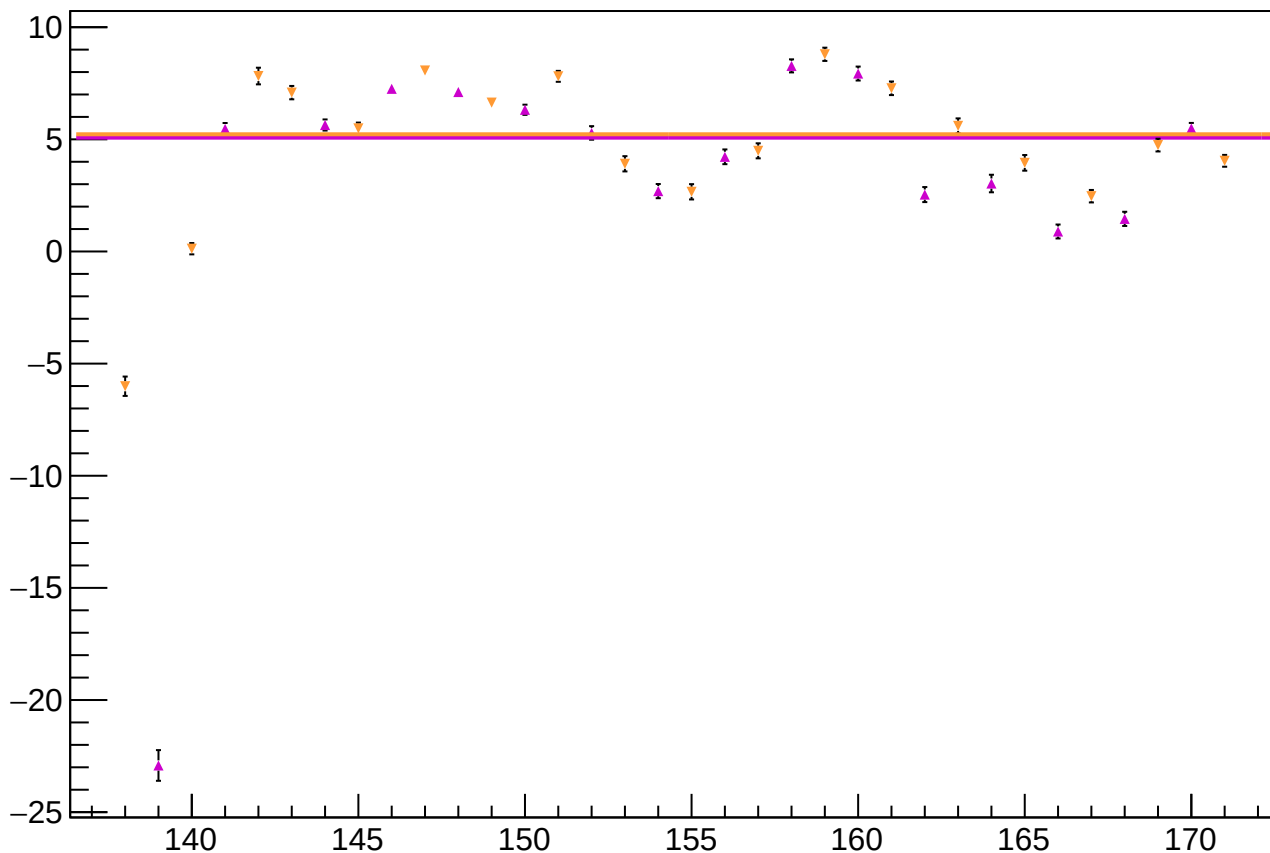
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.404+/-0.094 χ^2/NDF :2428.5/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.102+/-0.097 χ^2/NDF :2591.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 8.258+/-0.067 χ^2/NDF : 5024.8/33
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 5.226 $\pm$ 0.067 χ^2 /NDF:1919.8/17

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

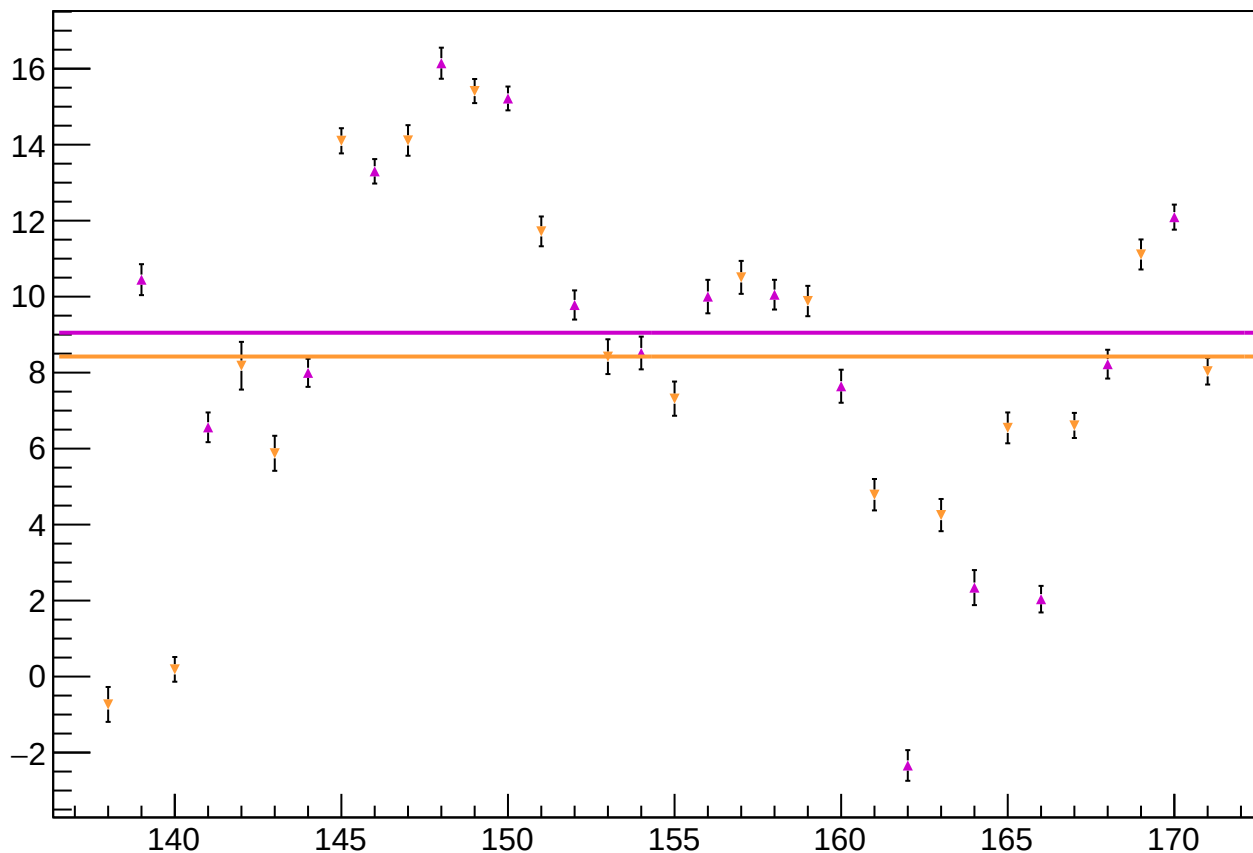
Left In: 5.075 $\pm$ 0.071 χ^2 /NDF:2572.0/15

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

All: 5.154 $\pm$ 0.049 χ^2 /NDF: 4494.2/33

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

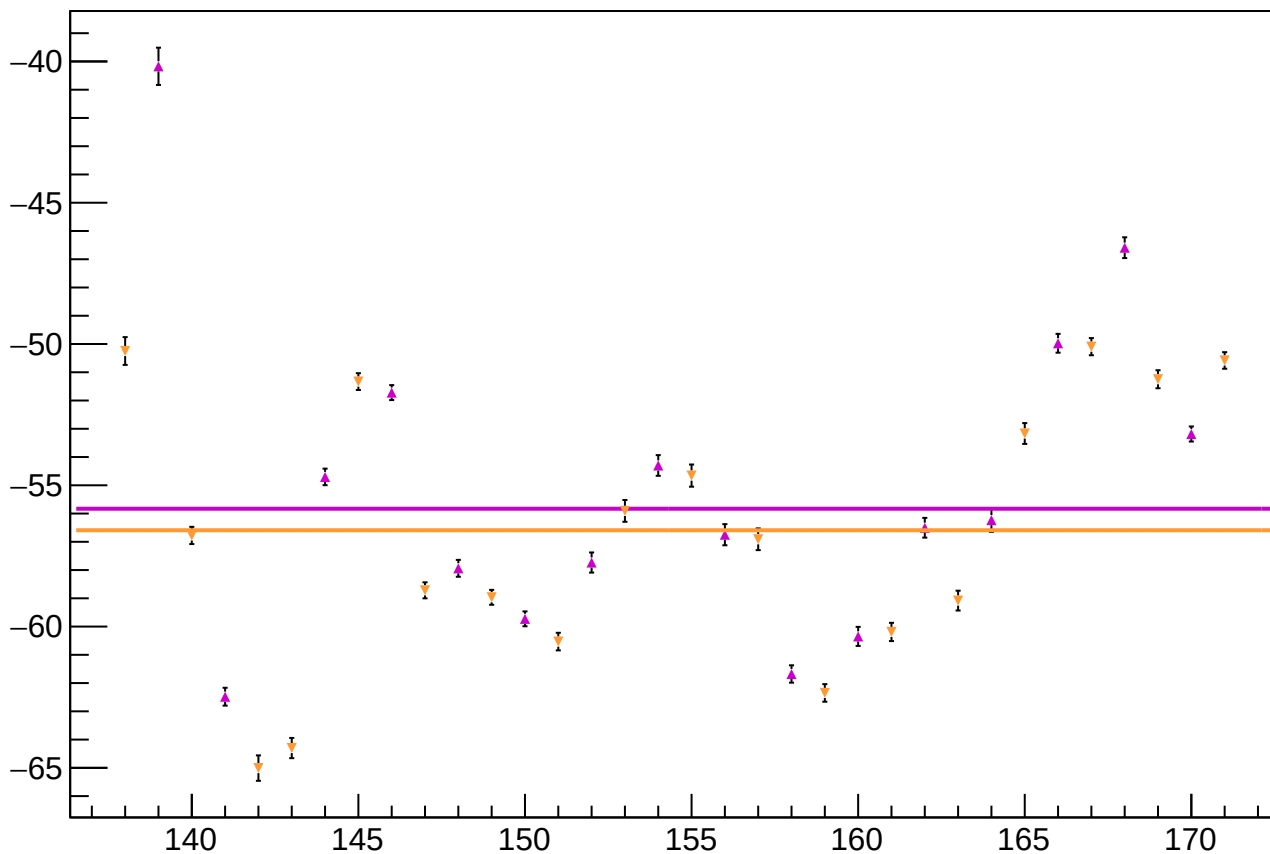
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.424+/-0.093 χ^2/NDF :2433.0/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.050+/-0.095 χ^2/NDF :2448.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 8.729+/-0.067 χ^2/NDF : 4903.4/33
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -56.591+/-0.078 χ^2/NDF : 3384.9/17

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

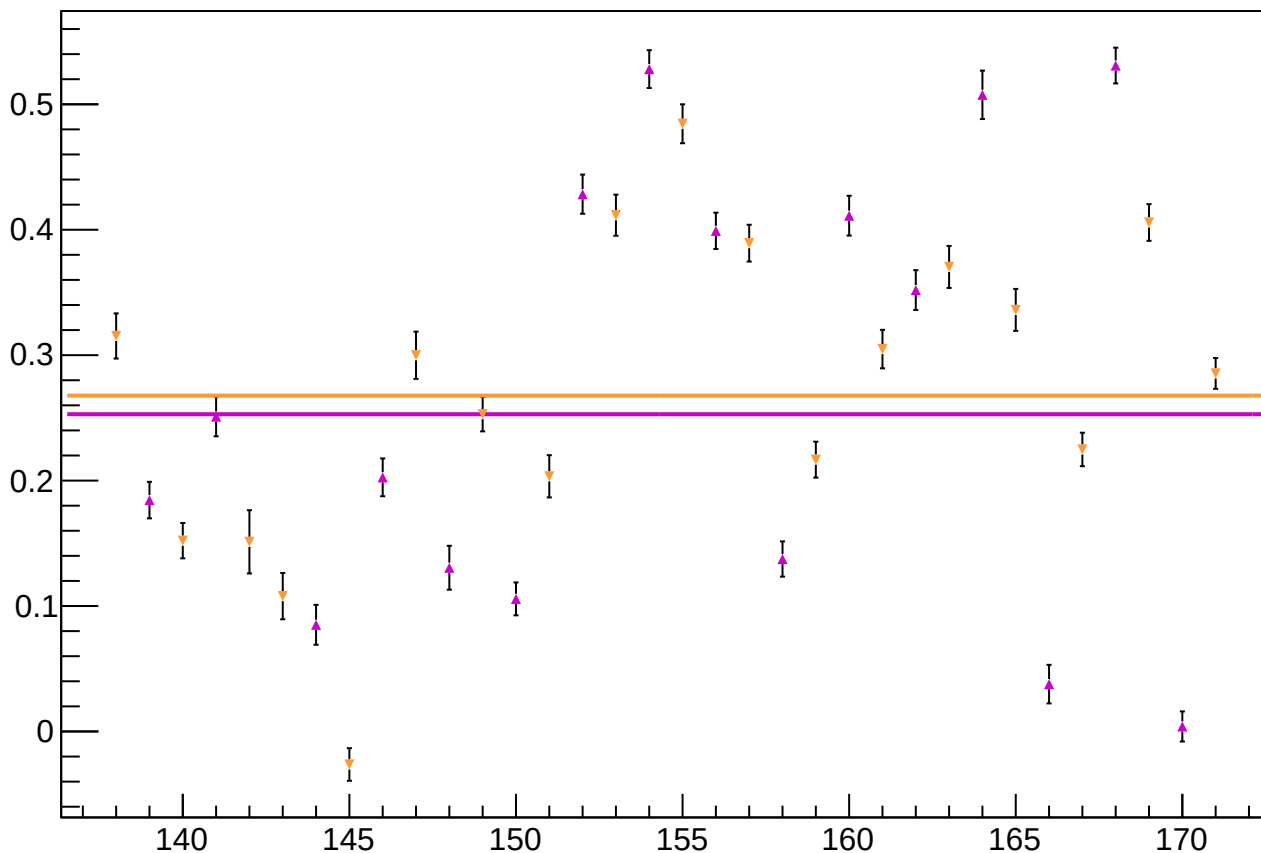
Left In: -55.830+/-0.082 χ^2/NDF : 3169.0/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -56.227+/-0.056 χ^2/NDF : 6599.3/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

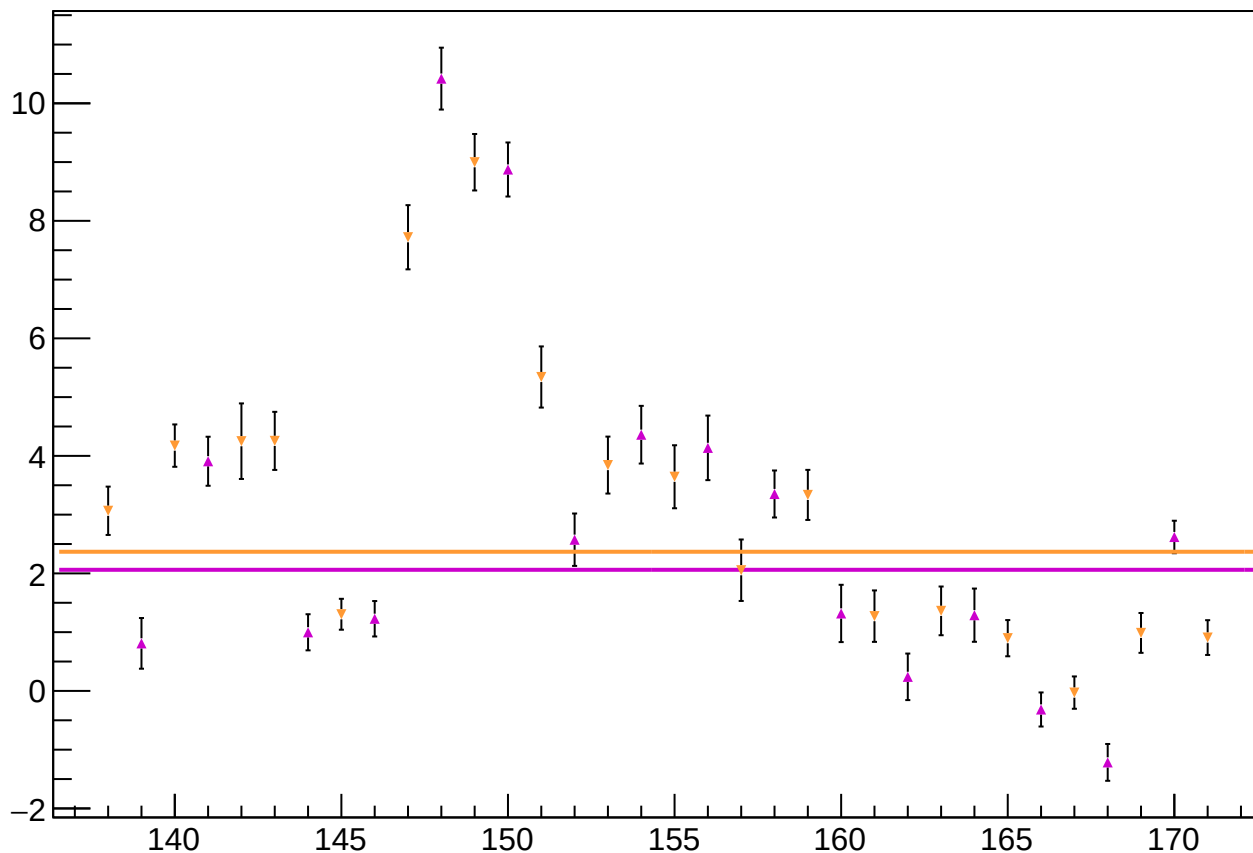
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.268 $\pm$ 0.004 χ^2 /NDF:1215.5/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.253 $\pm$ 0.004 χ^2 /NDF:2266.6/15

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.261 $\pm$ 0.003 χ^2 /NDF: 3490.2/33
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

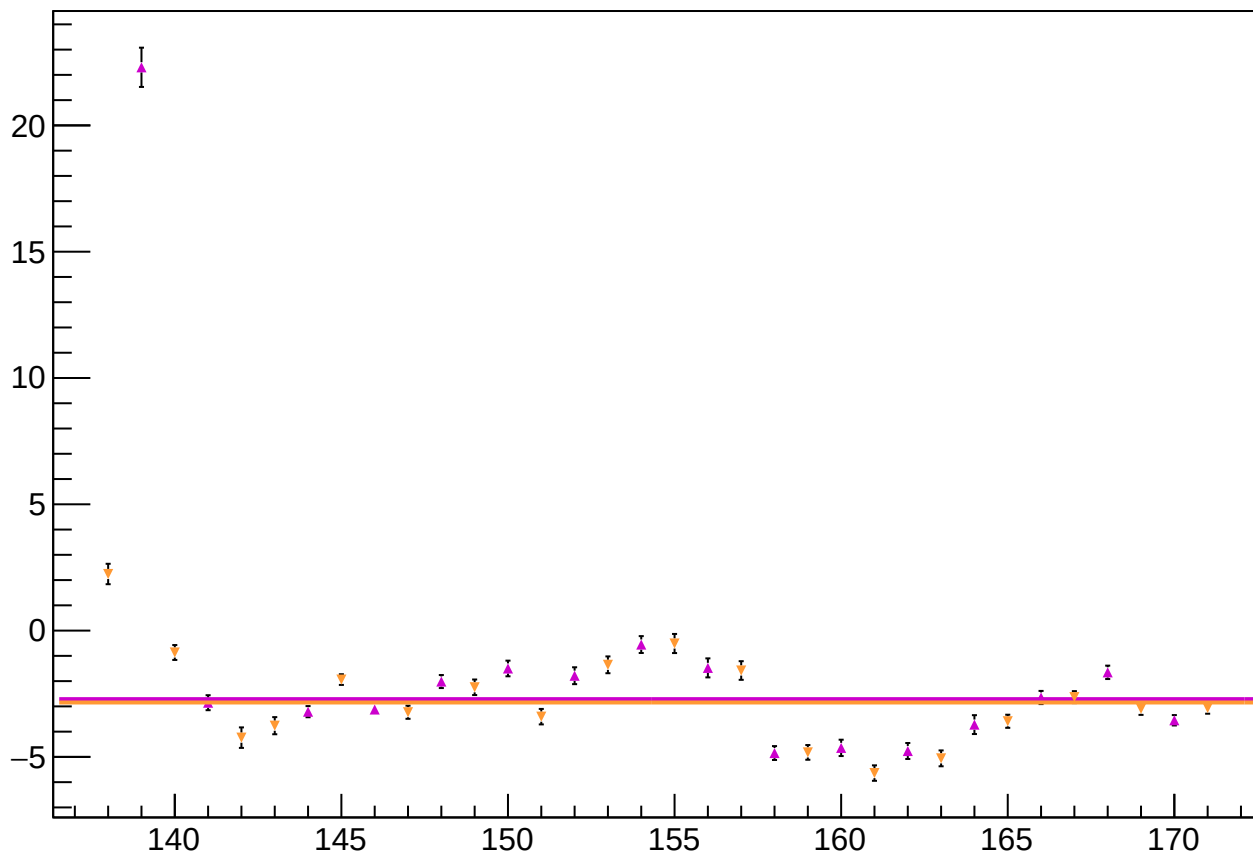
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 2.368 $\pm$ 0.092 χ^2/NDF :558.6/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 2.061 $\pm$ 0.095 χ^2/NDF :773.9/15

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 All: 2.220 $\pm$ 0.066 χ^2/NDF : 1337.9/33
 - sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

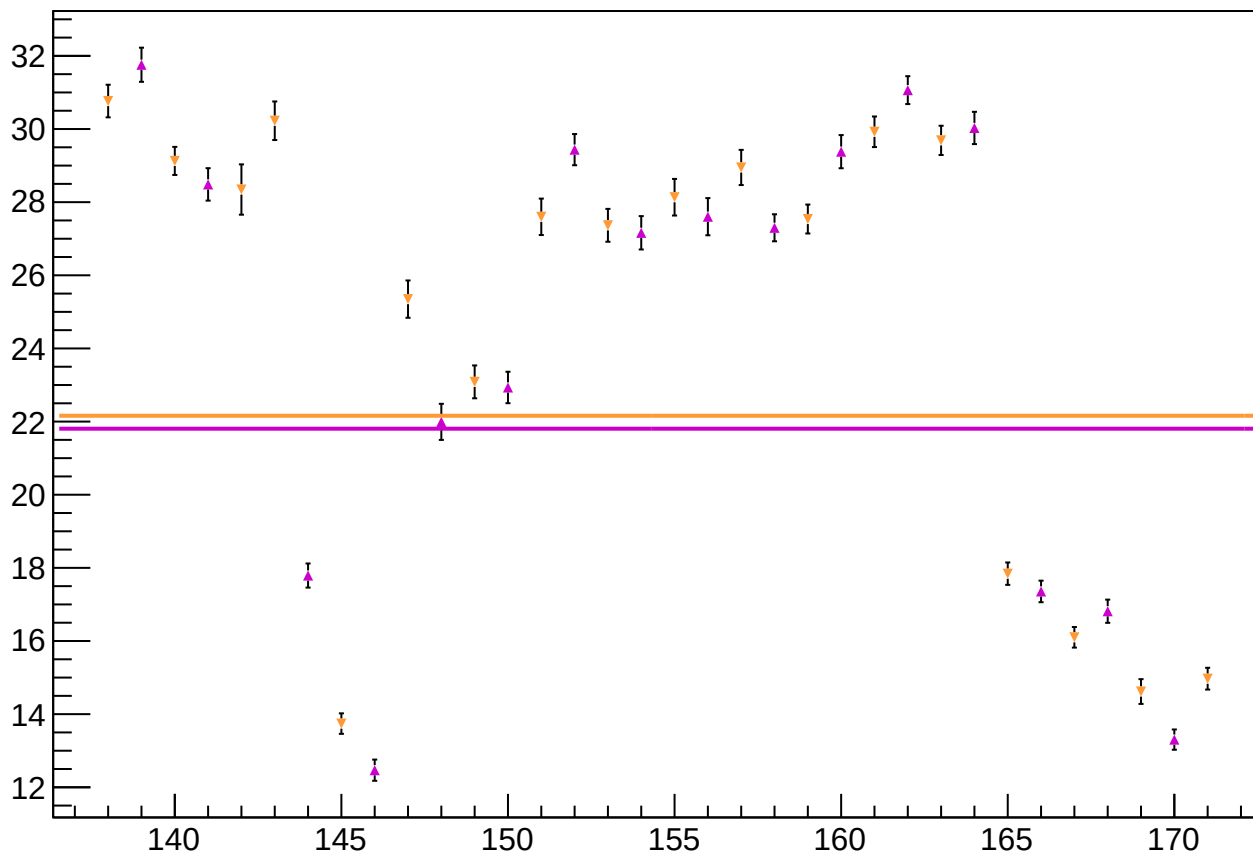
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.846 $\pm$ 0.068 χ^2 /NDF: 510.3/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.713 $\pm$ 0.070 χ^2 /NDF: 1306.8/15

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -2.781 $\pm$ 0.049 χ^2 /NDF: 1818.9/33
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 22.160+/-0.092 χ^2/NDF : 5181.6/17

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

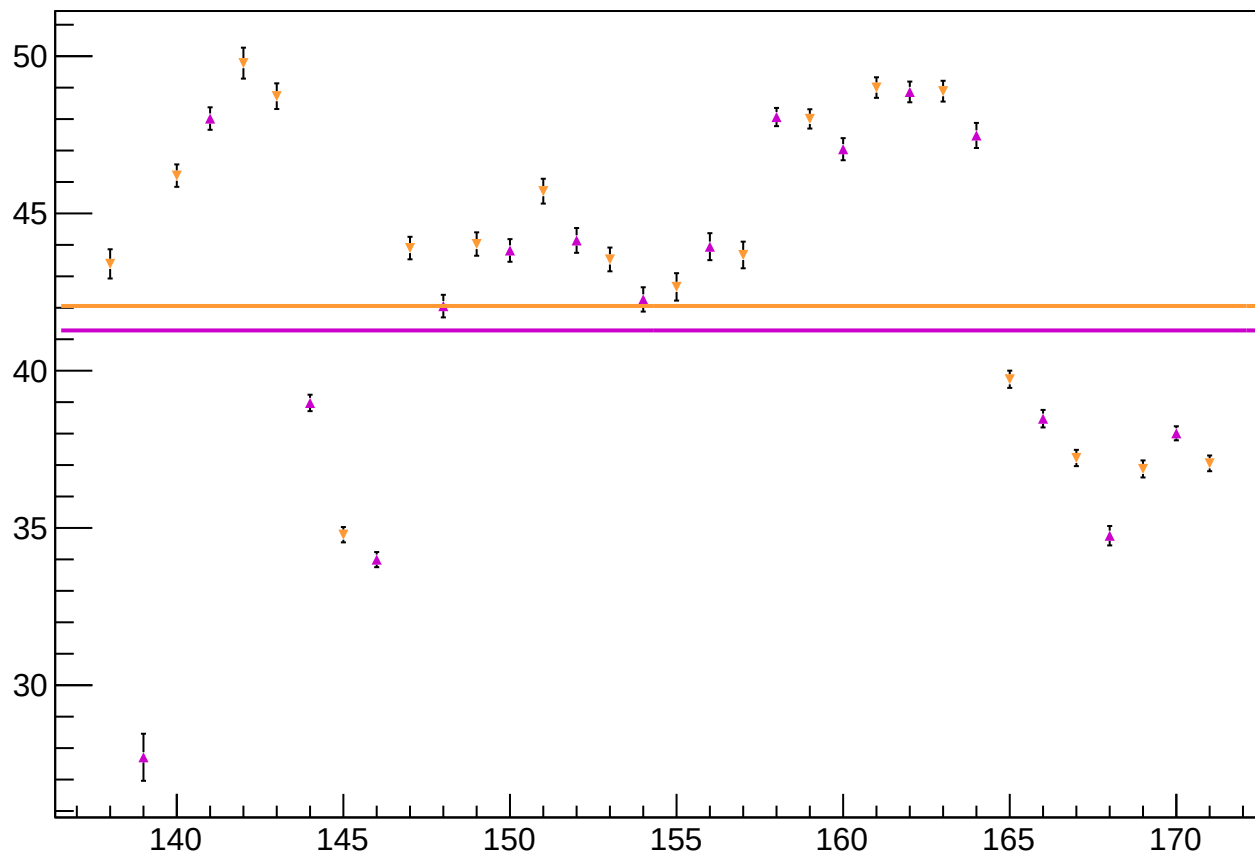
Left In: 21.805+/-0.094 χ^2/NDF : 5316.1/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 21.986+/-0.066 χ^2/NDF : 10505.0/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 42.057+/-0.078 χ^2/NDF : 4159.5/17

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

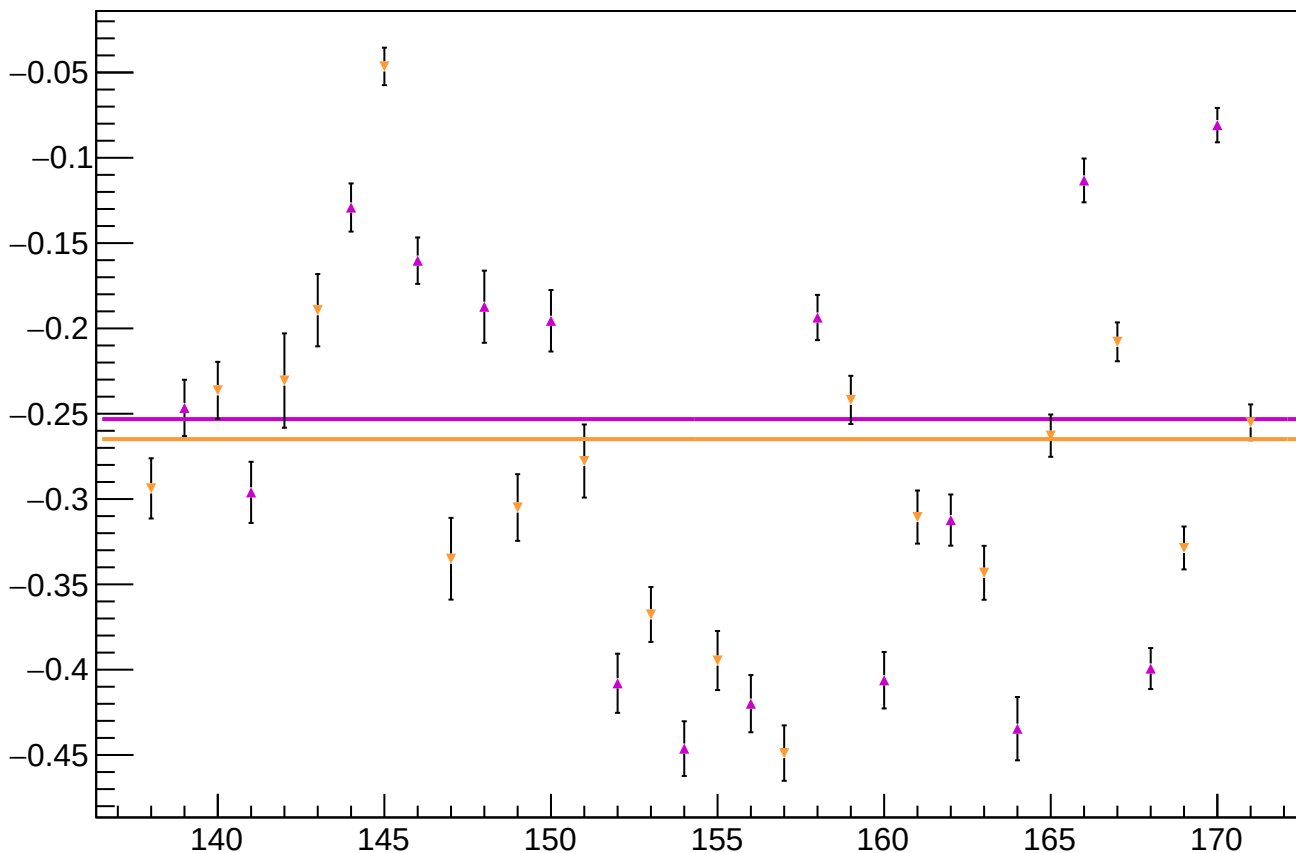
Left In: 41.280+/-0.080 χ^2/NDF : 4185.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 41.682+/-0.056 χ^2/NDF : 8393.2/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -0.265 $\pm$ 0.004 χ^2 /NDF:741.2/17

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

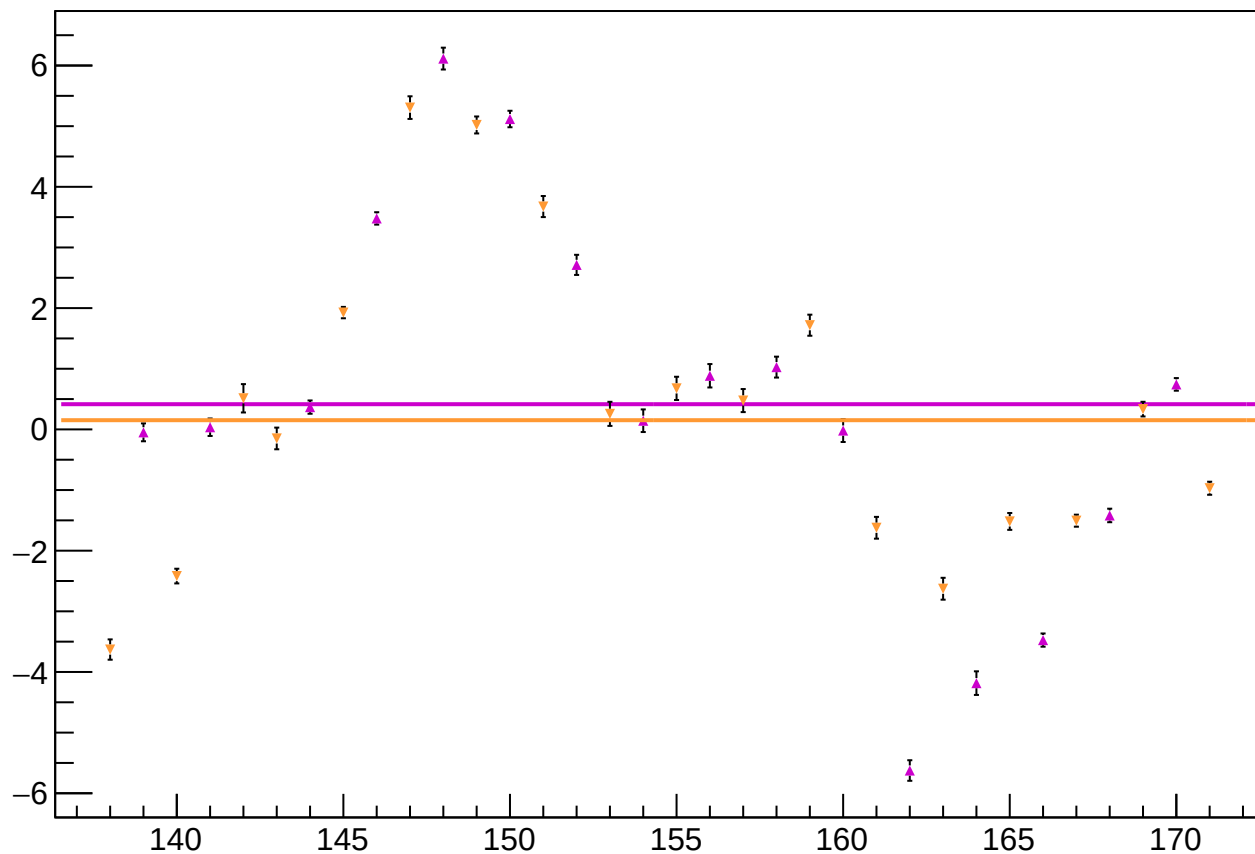
Left In: -0.253 $\pm$ 0.004 χ^2 /NDF:1249.9/15

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

All: -0.259 $\pm$ 0.003 χ^2 /NDF: 1996.4/33

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

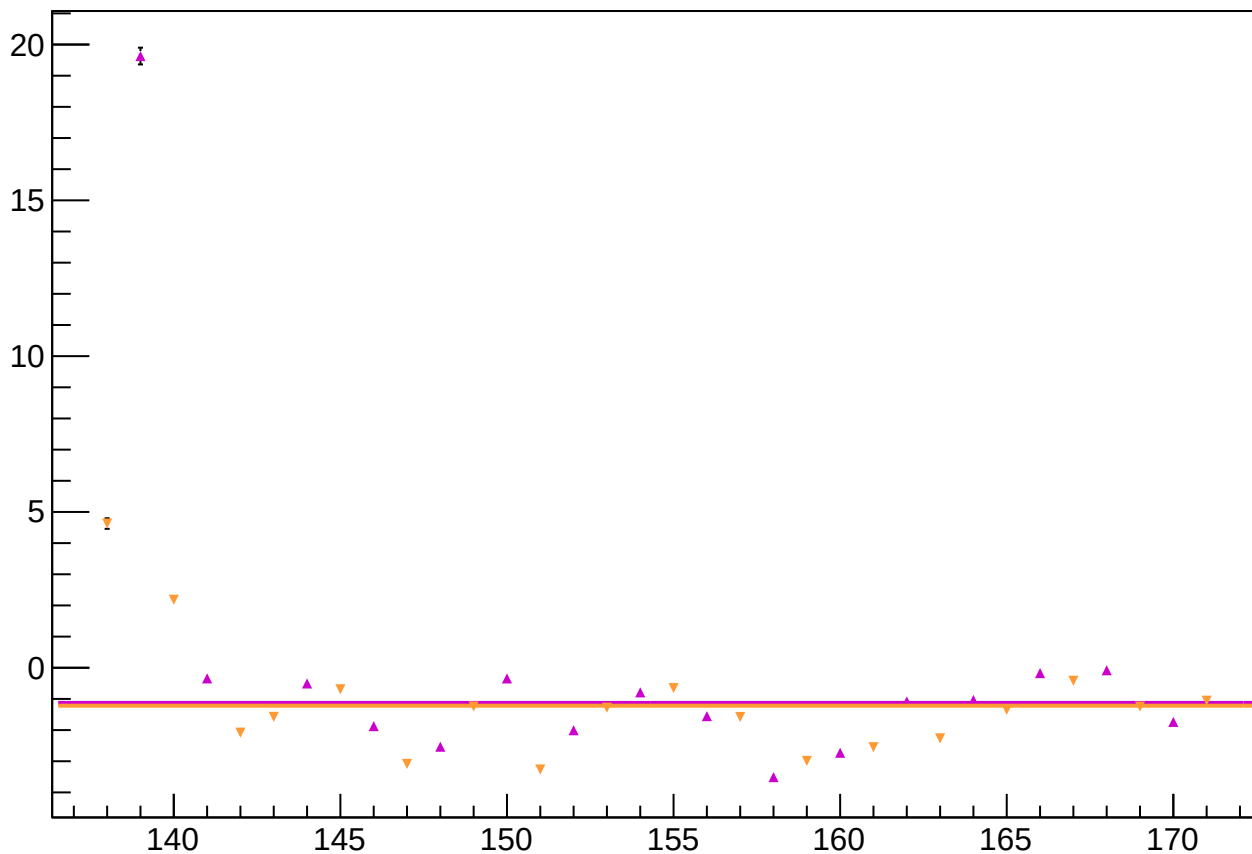
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.152+/-0.034 χ^2/NDF : 4666.2/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.415+/-0.035 χ^2/NDF : 6712.7/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.281+/-0.024 χ^2/NDF : 11408.4/33
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



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

Left Out: -1.217 $\pm$ 0.025 χ^2 /NDF:3779.7/17

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

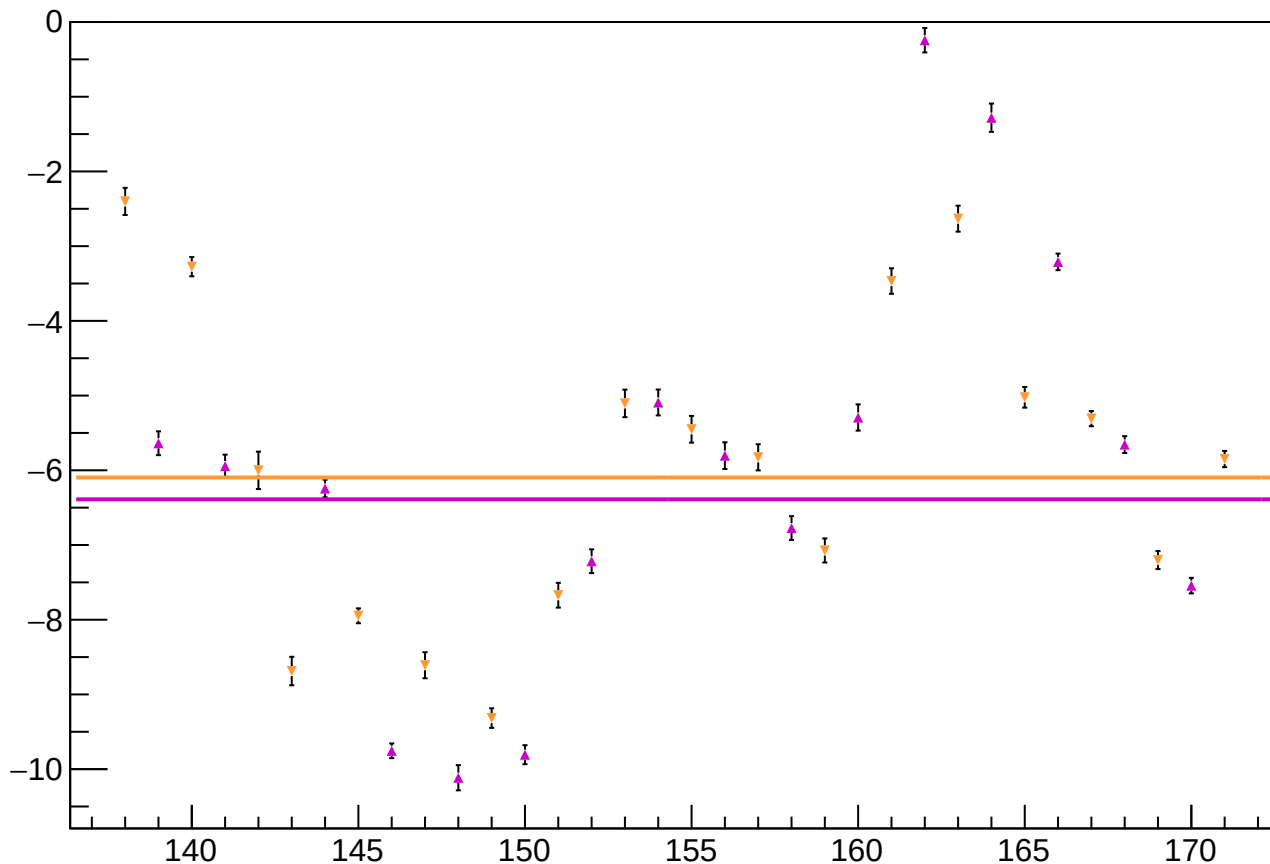
Left In: -1.128 $\pm$ 0.026 χ^2 /NDF:7436.9/15

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

All: -1.173 $\pm$ 0.018 χ^2 /NDF: 11222.8/33

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

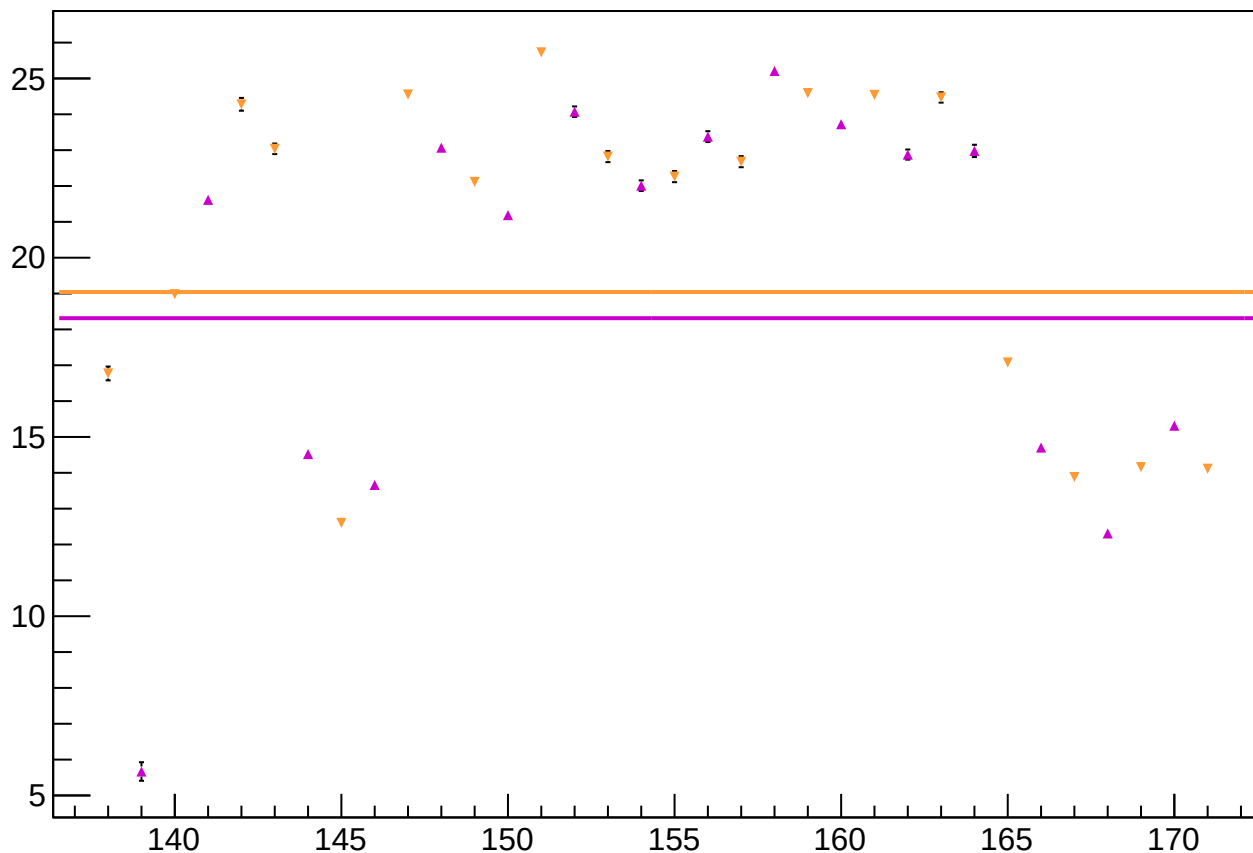
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.096+/-0.034 χ^2/NDF : 3249.1/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.389+/-0.034 χ^2/NDF : 5675.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -6.241+/-0.024 χ^2/NDF : 8961.0/33
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 19.043+/-0.029 χ^2/NDF :27861.2/17

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

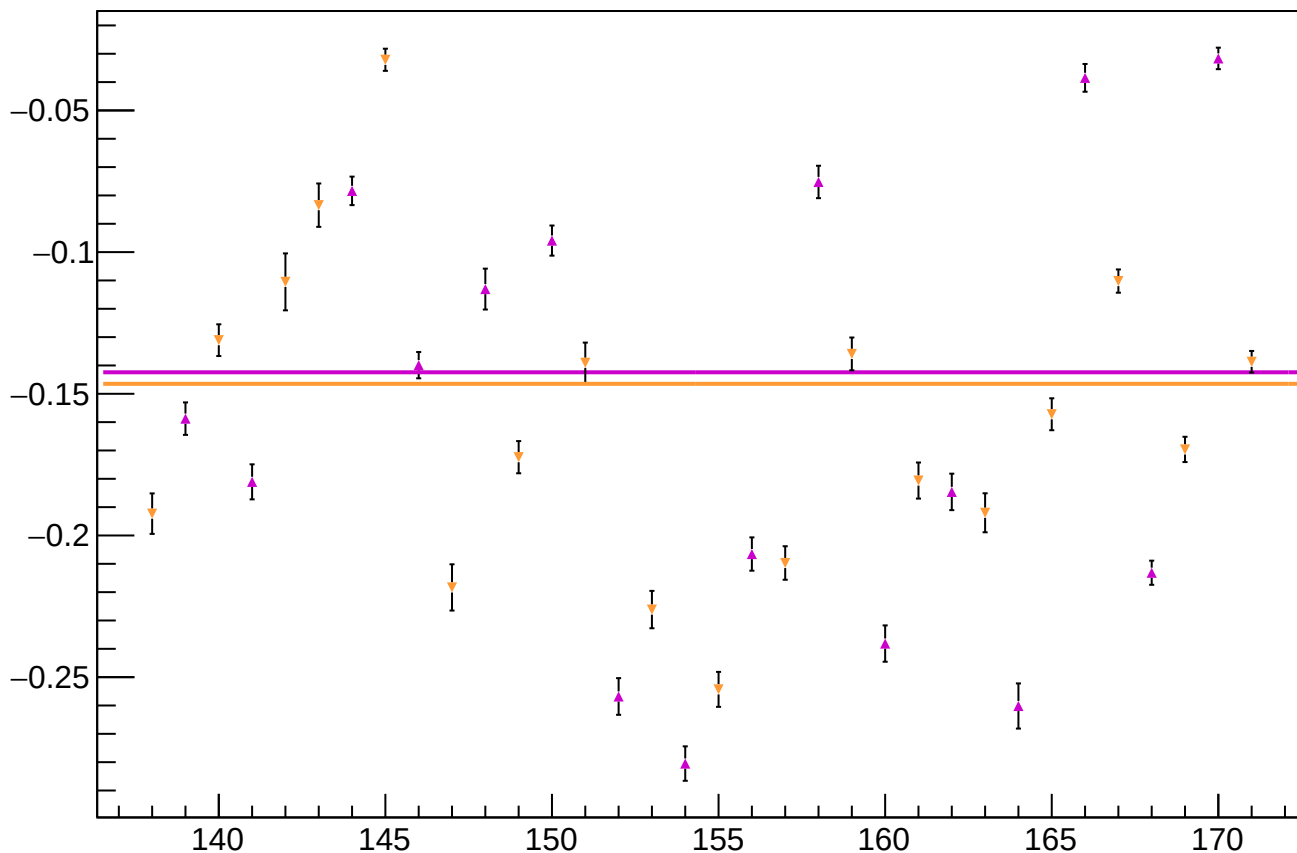
Left In: 18.313+/-0.030 χ^2/NDF :25262.2/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 18.687+/-0.021 χ^2/NDF : 53436.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.146+/-0.001 χ^2/NDF : 1839.4/17

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

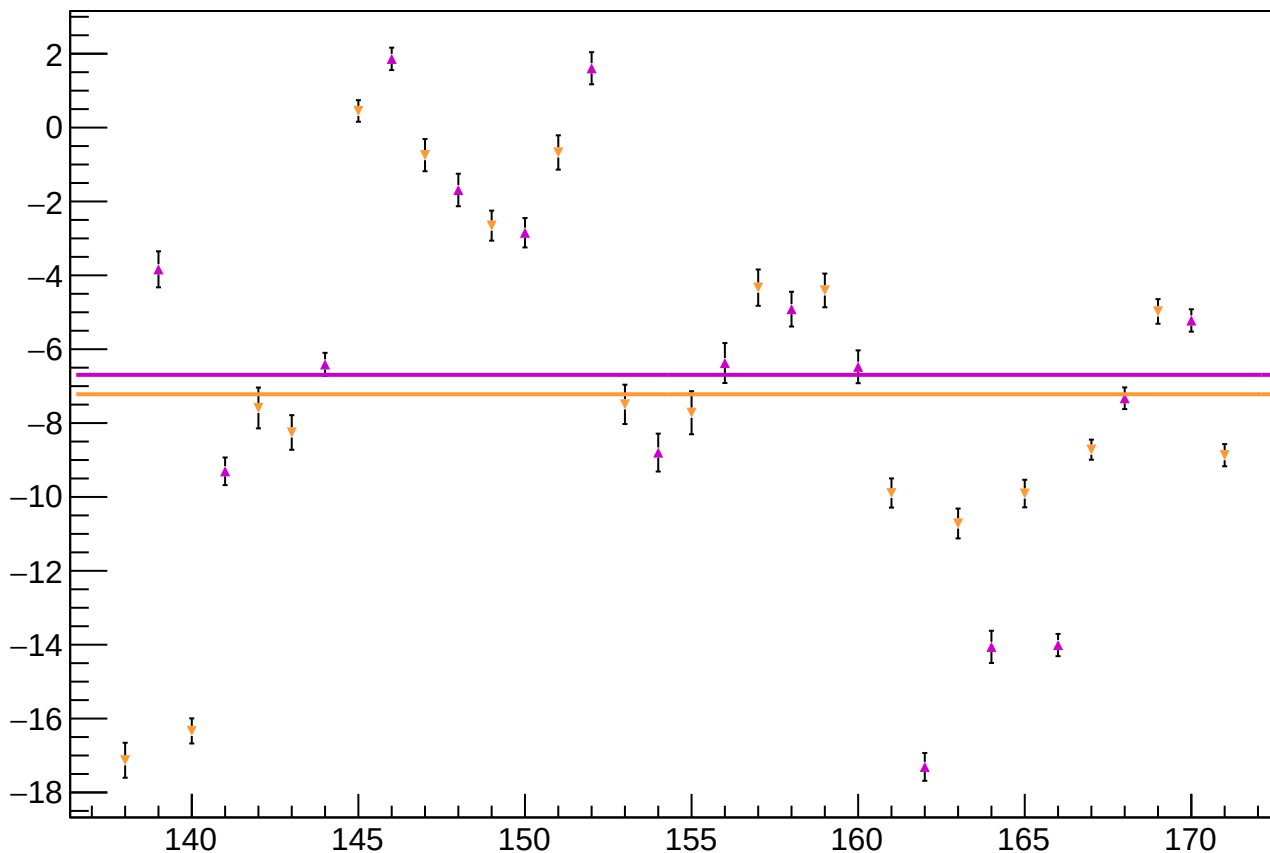
Left In: -0.142+/-0.001 χ^2/NDF : 3450.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.145+/-0.001 χ^2/NDF : 5294.6/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

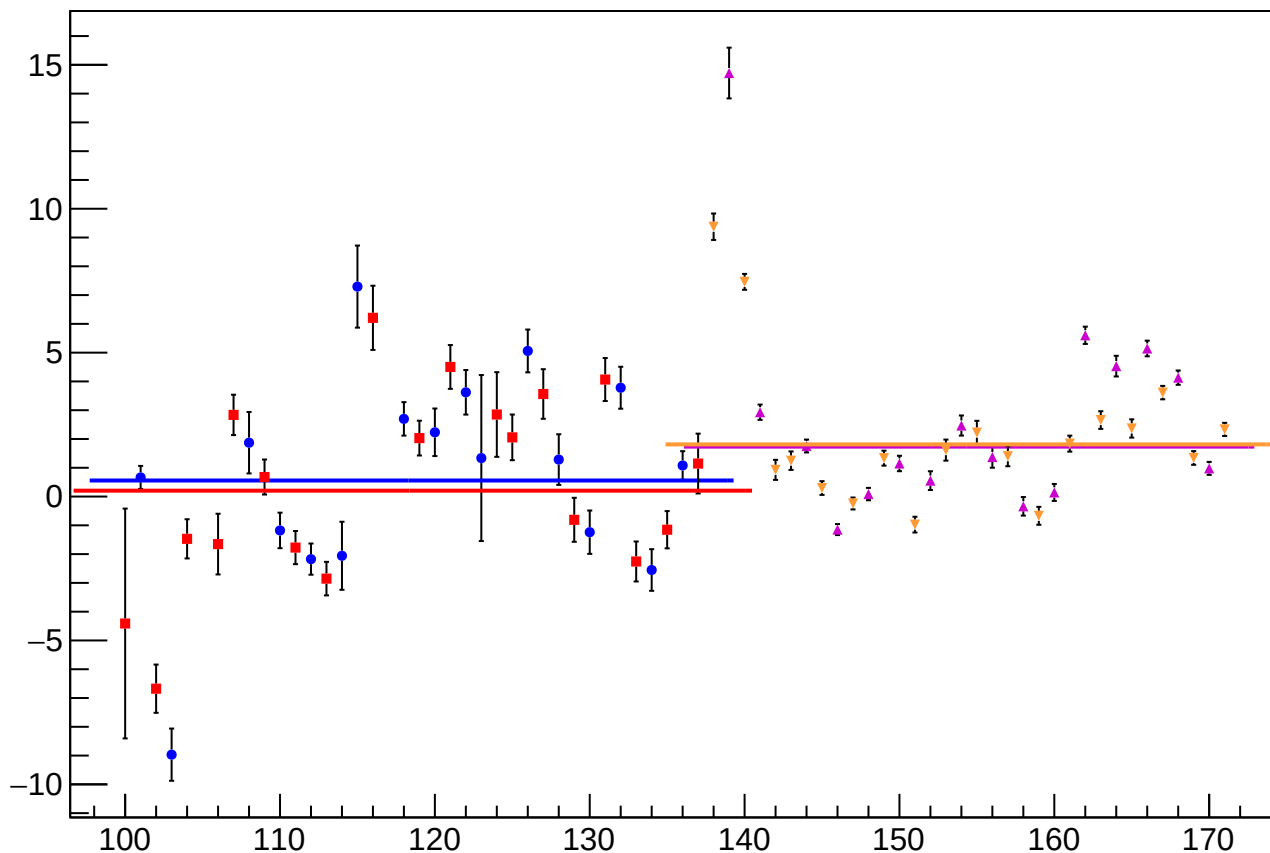
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.220+/-0.092 χ^2/NDF : 2750.1/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.694+/-0.095 χ^2/NDF : 3193.7/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -6.963+/-0.066 χ^2/NDF : 5959.6/33
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 1.812 ± 0.067 χ^2/NDF : 1089.3/17

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

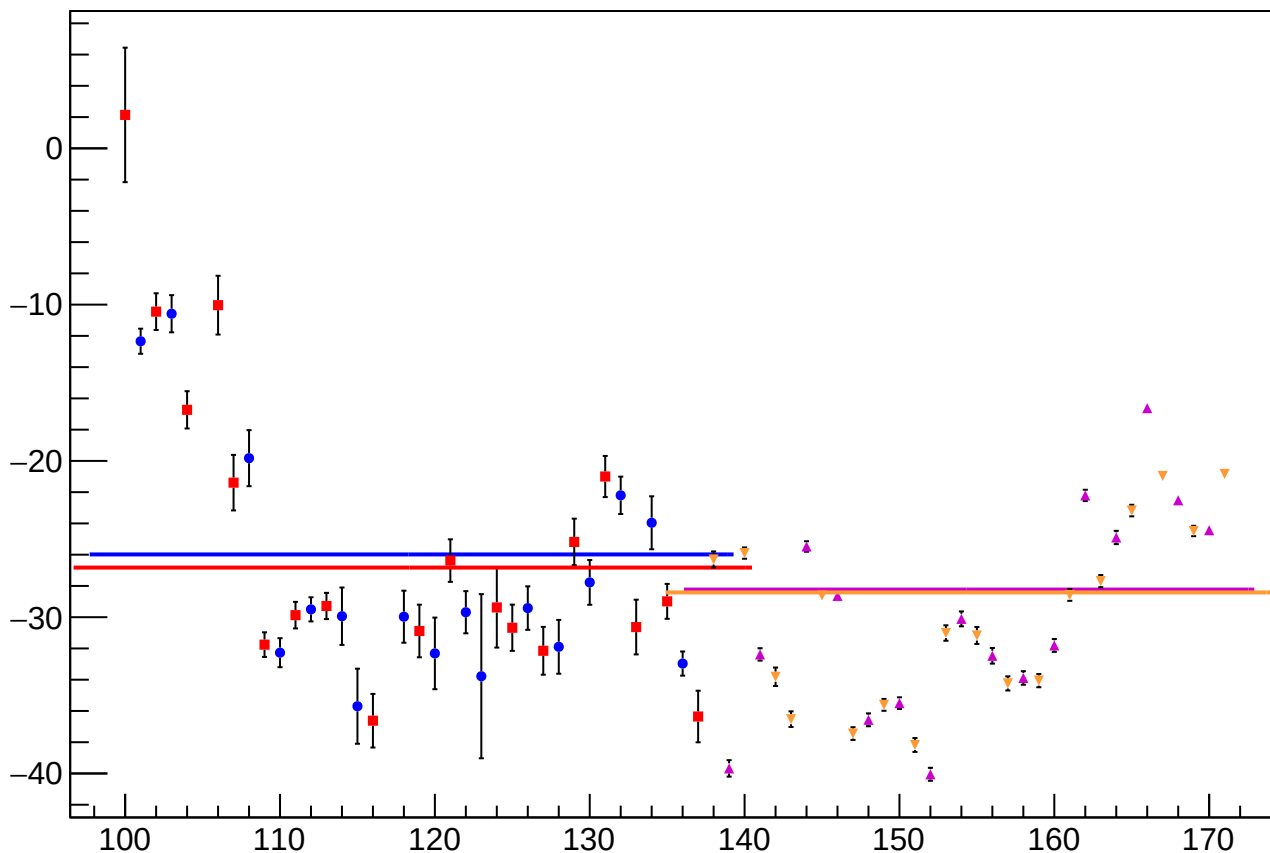
Left In: 1.735 ± 0.069 χ^2/NDF : 1105.5/15

+ sign 1.645 ± 0.062 χ^2/NDF : 1424.3/34

All: 1.589 ± 0.044 χ^2/NDF : 2870.1/69

- sign 1.530 ± 0.064 χ^2/NDF : 1444.1/34

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -28.415 ± 0.092 χ^2/NDF : 3832.9/17

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

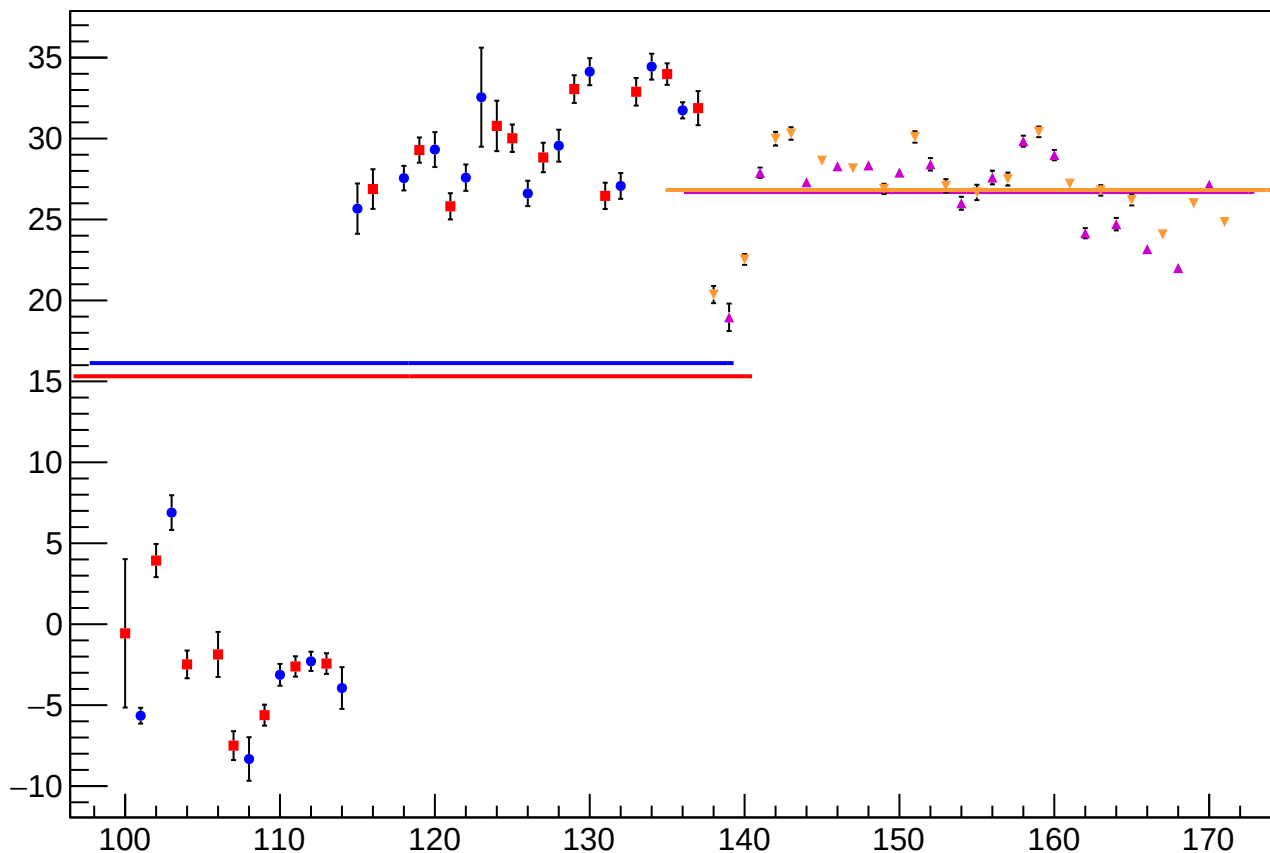
Left In: -28.232 ± 0.093 χ^2/NDF : 4866.6/15

+ sign -28.208 ± 0.088 χ^2/NDF : 4584.3/34

All: -28.157 ± 0.063 χ^2/NDF : 10053.6/69

- sign -28.106 ± 0.089 χ^2/NDF : 5468.6/34

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 26.821 $\pm$ 0.077 χ^2 /NDF:917.0/17

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

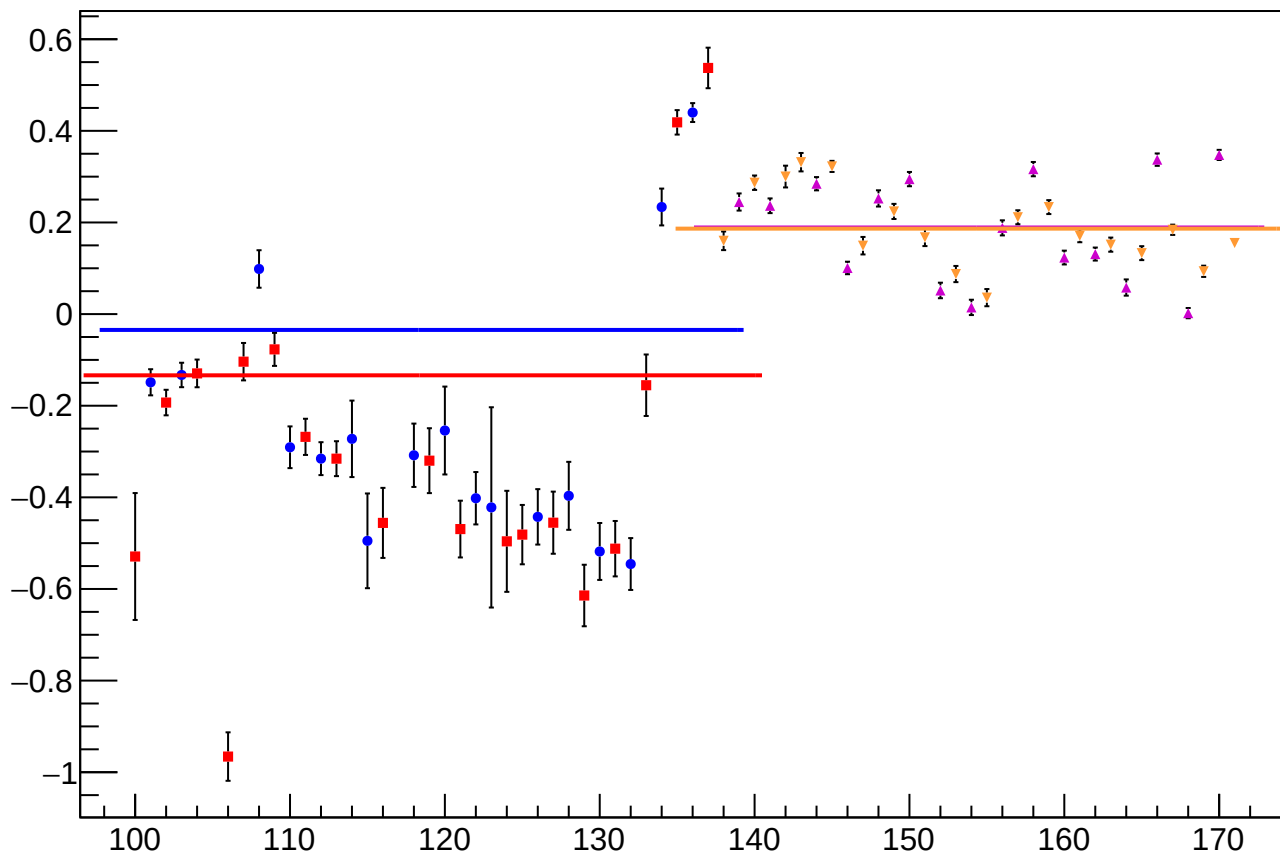
Left In: 26.696 $\pm$ 0.079 χ^2 /NDF:862.0/15

+ sign 25.343 $\pm$ 0.071 χ^2 /NDF: 11160.6/34

All: 25.228 $\pm$ 0.051 χ^2 /NDF: 22176.4/69

- sign 25.105 $\pm$ 0.074 χ^2 /NDF: 11010.4/34

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.187 ± 0.004 χ^2/NDF : 445.4/17

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

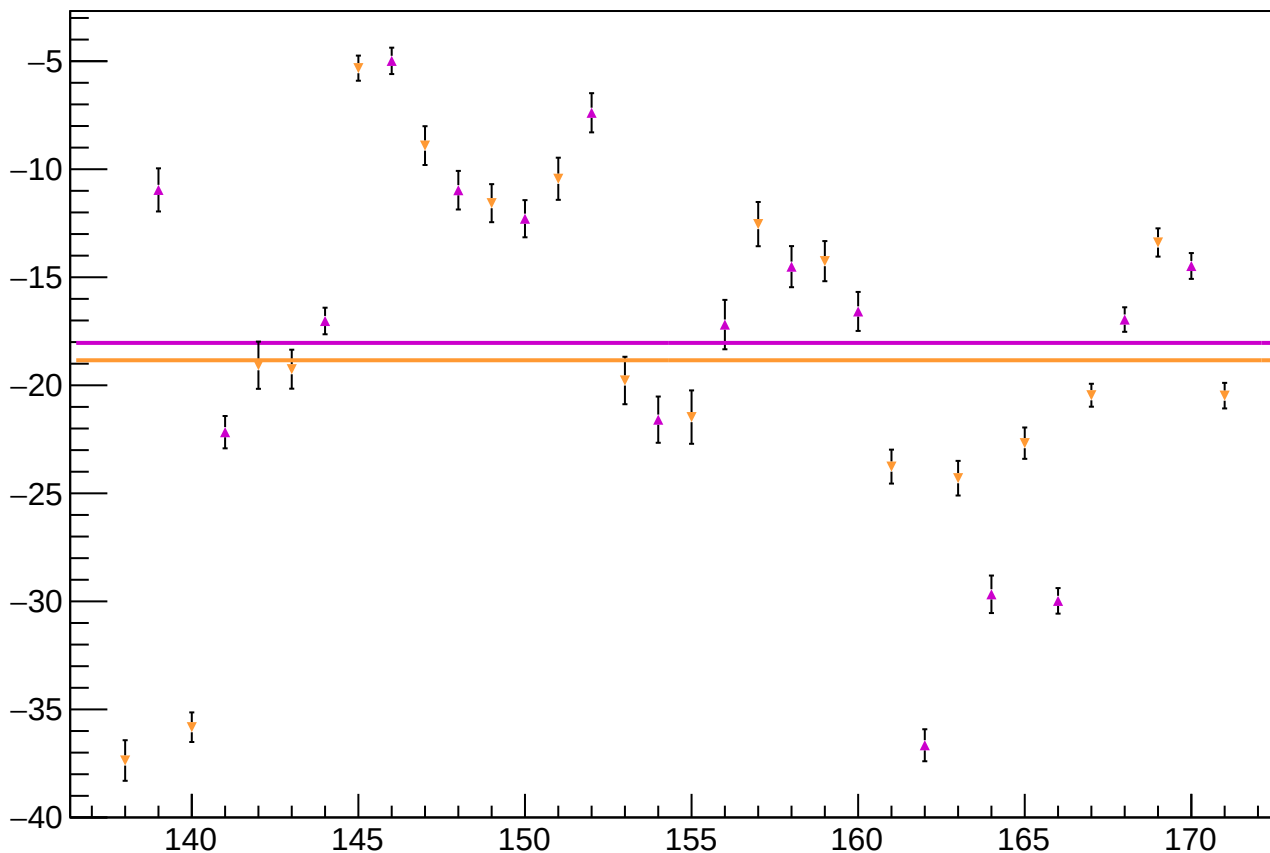
Left In: 0.189 ± 0.004 χ^2/NDF : 1096.2/15

+ sign 0.163 ± 0.003 χ^2/NDF : 1866.0/34

All: 0.158 ± 0.002 χ^2/NDF : 4986.8/69

- sign 0.153 ± 0.003 χ^2/NDF : 3116.4/34

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -18.842 ± 0.185 χ^2/NDF : 2076.9/17

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

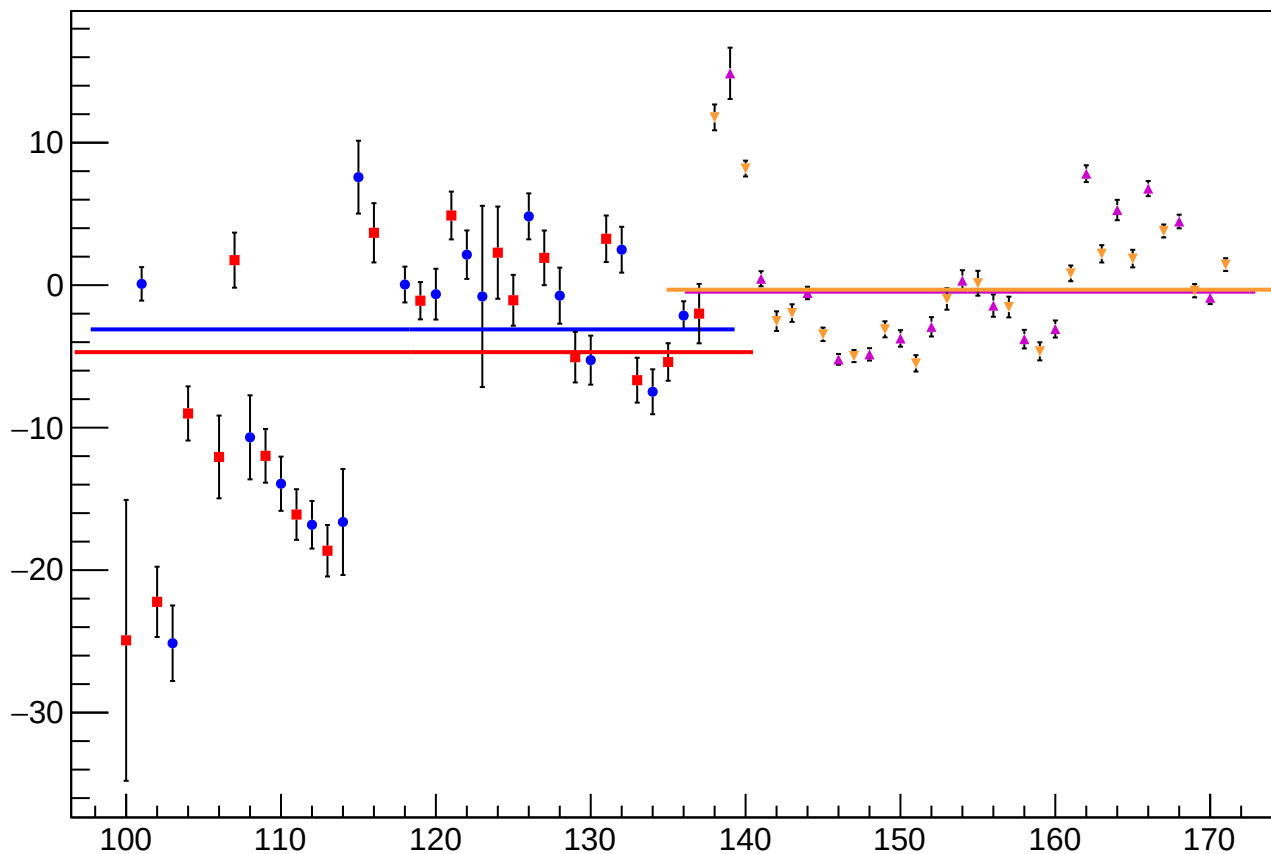
Left In: -18.038 ± 0.190 χ^2/NDF : 2072.1/15

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -18.450 ± 0.132 χ^2/NDF : 4158.2/33

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -0.316 ± 0.134 χ^2/NDF : 880.5/17

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

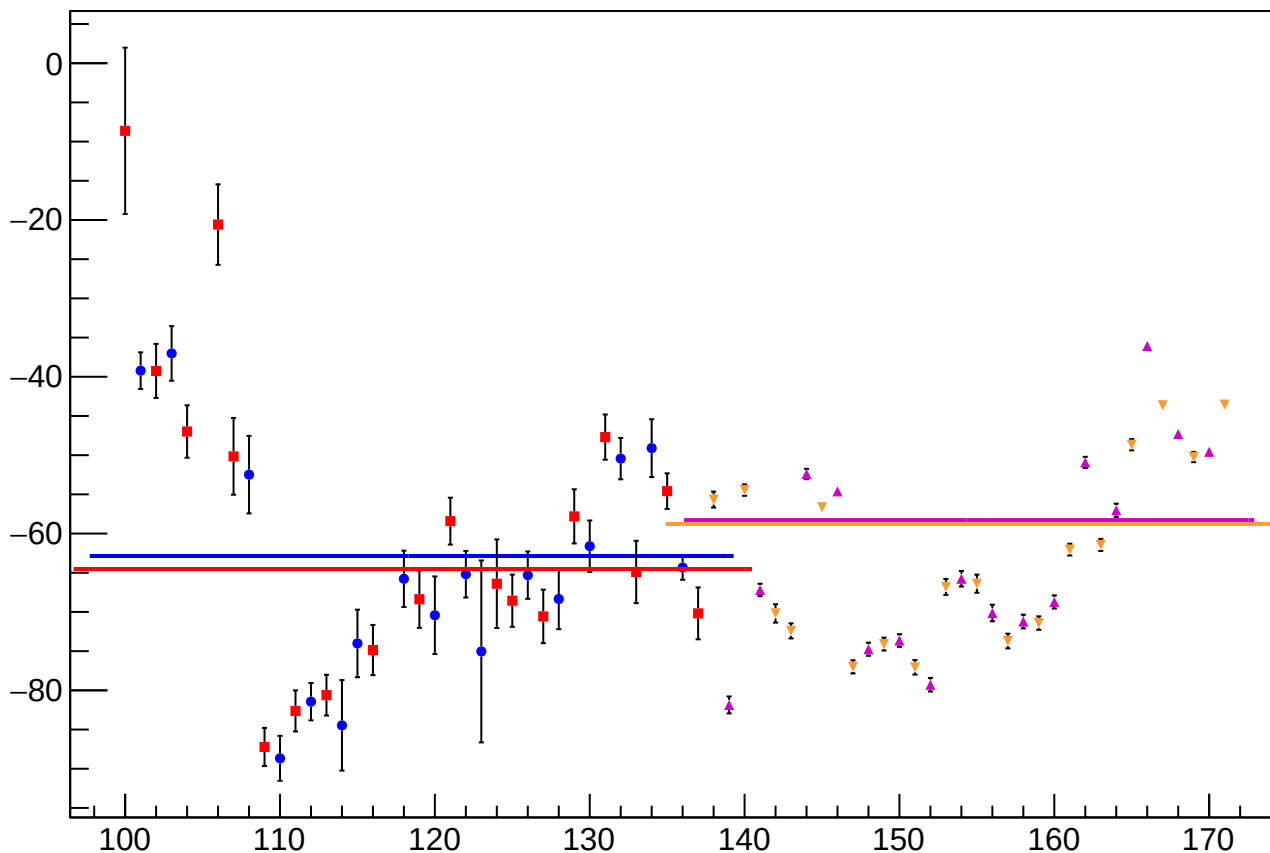
Left In: -0.456 ± 0.137 χ^2/NDF : 980.4/15

+ sign -0.584 ± 0.127 χ^2/NDF : 1201.3/34

All: -0.716 ± 0.091 χ^2/NDF : 2571.2/69

- sign -0.855 ± 0.131 χ^2/NDF : 1367.8/34

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -58.769 ± 0.184 χ^2/NDF : 3956.1/17

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

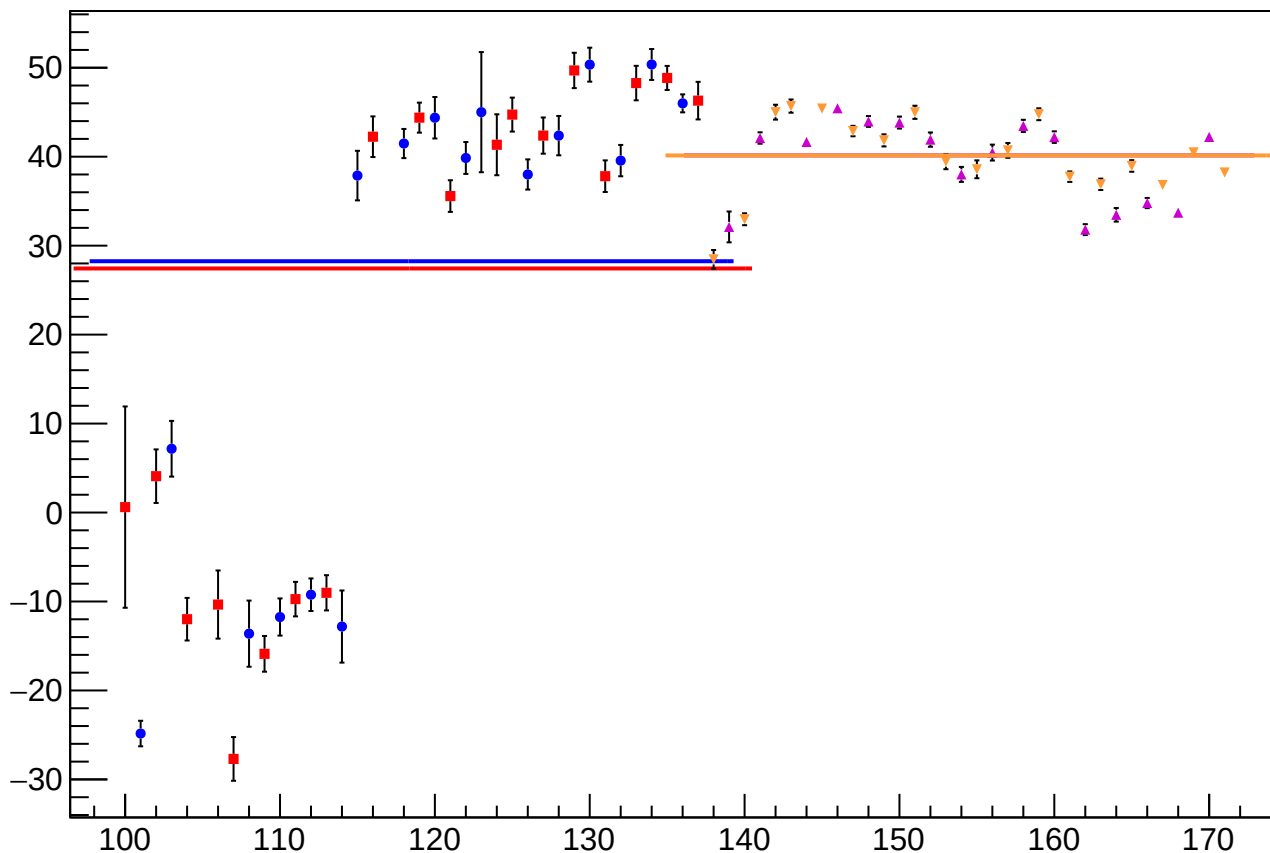
Left In: -58.284 ± 0.187 χ^2/NDF : 4656.7/15

+ sign -59.007 ± 0.179 χ^2/NDF : 4353.6/34

All: -58.830 ± 0.127 χ^2/NDF : 9521.2/69

- sign -58.648 ± 0.182 χ^2/NDF : 5165.7/34

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 40.140 $\pm$ 0.154 χ^2 /NDF: 648.8/17

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

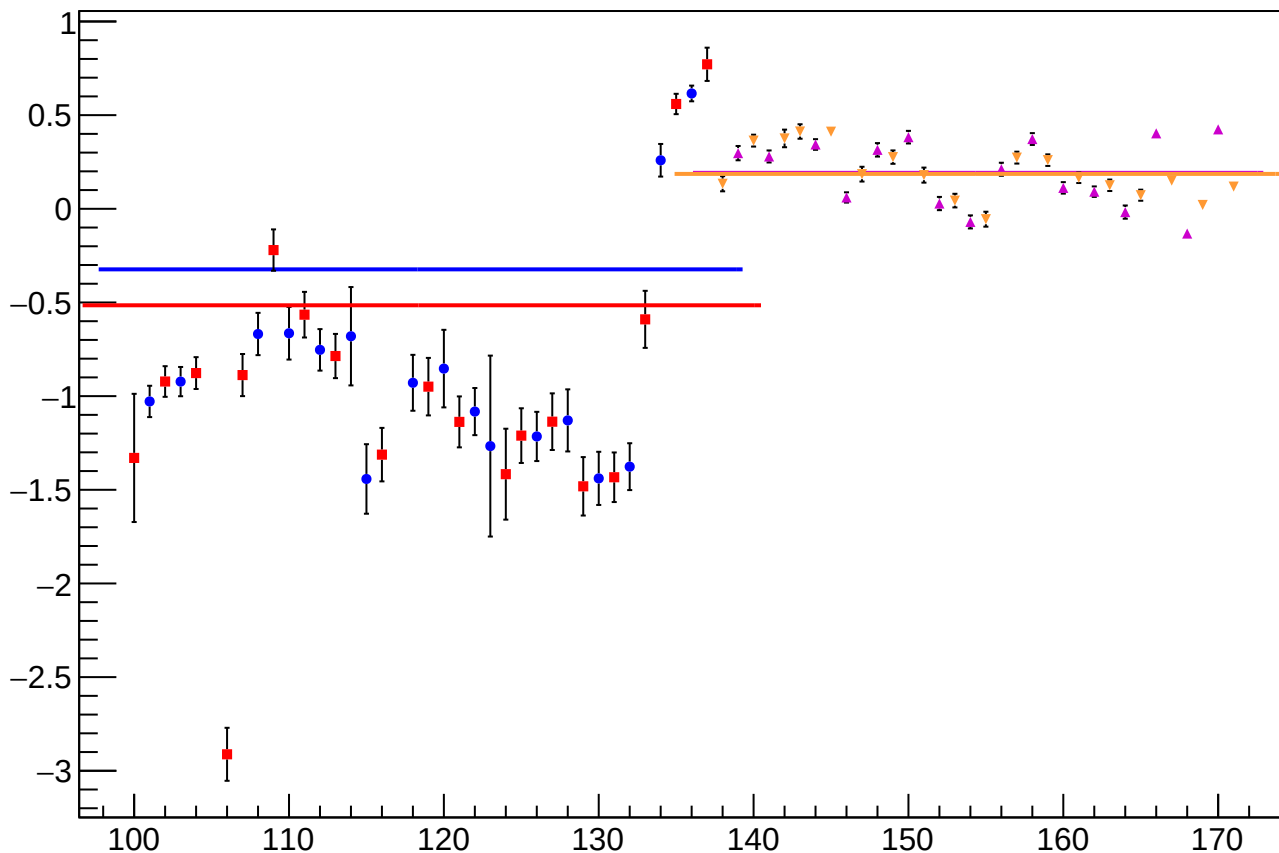
Left In: 40.145 $\pm$ 0.159 χ^2 /NDF: 776.6/15

+ sign 38.938 $\pm$ 0.146 χ^2 /NDF: 4568.5/34

All: 38.909 $\pm$ 0.105 χ^2 /NDF: 9012.2/69

- sign 38.878 $\pm$ 0.151 χ^2 /NDF: 4443.6/34

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.186 ± 0.007 χ^2/NDF : 321.0/17

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

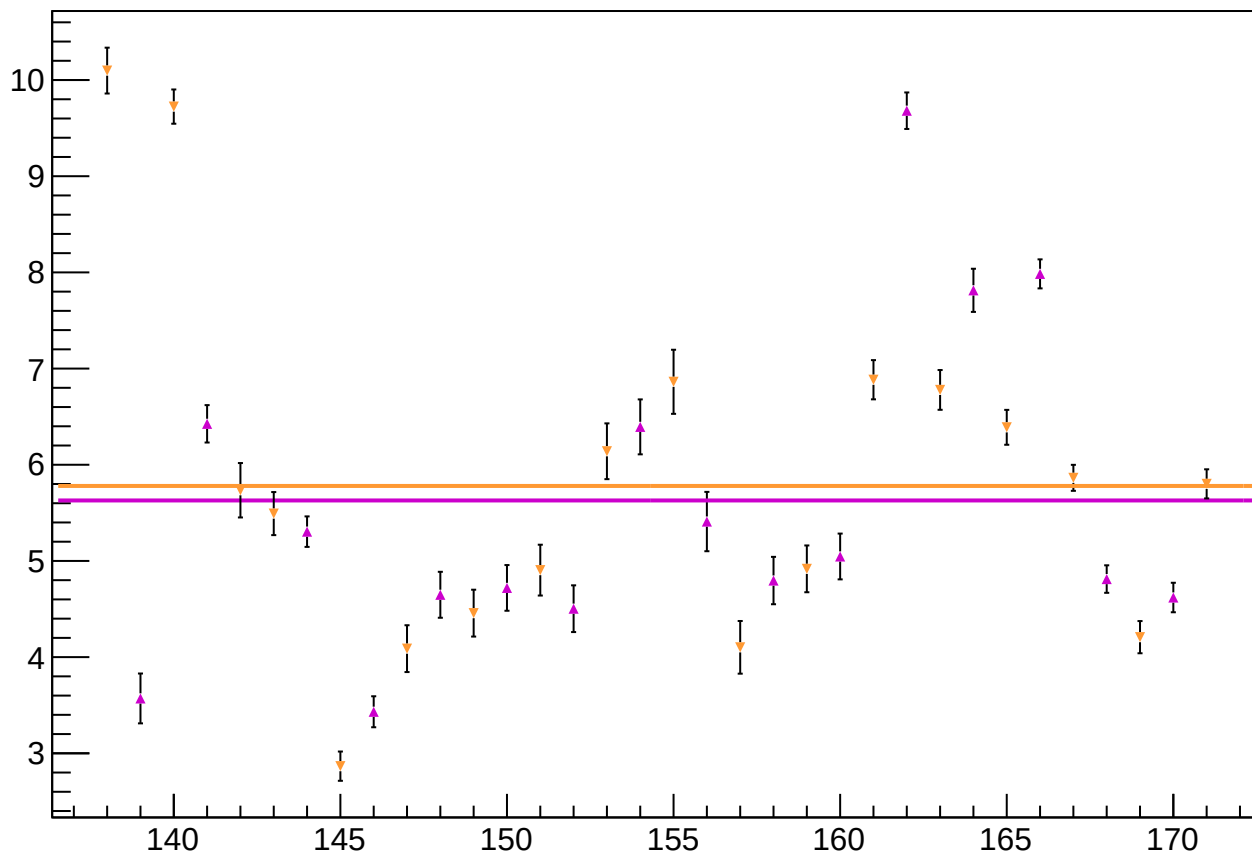
Left In: 0.192 ± 0.007 χ^2/NDF : 673.6/15

+ sign 0.147 ± 0.007 χ^2/NDF : 1717.0/34

All: 0.143 ± 0.005 χ^2/NDF : 4247.8/69

- sign 0.138 ± 0.007 χ^2/NDF : 2529.8/34

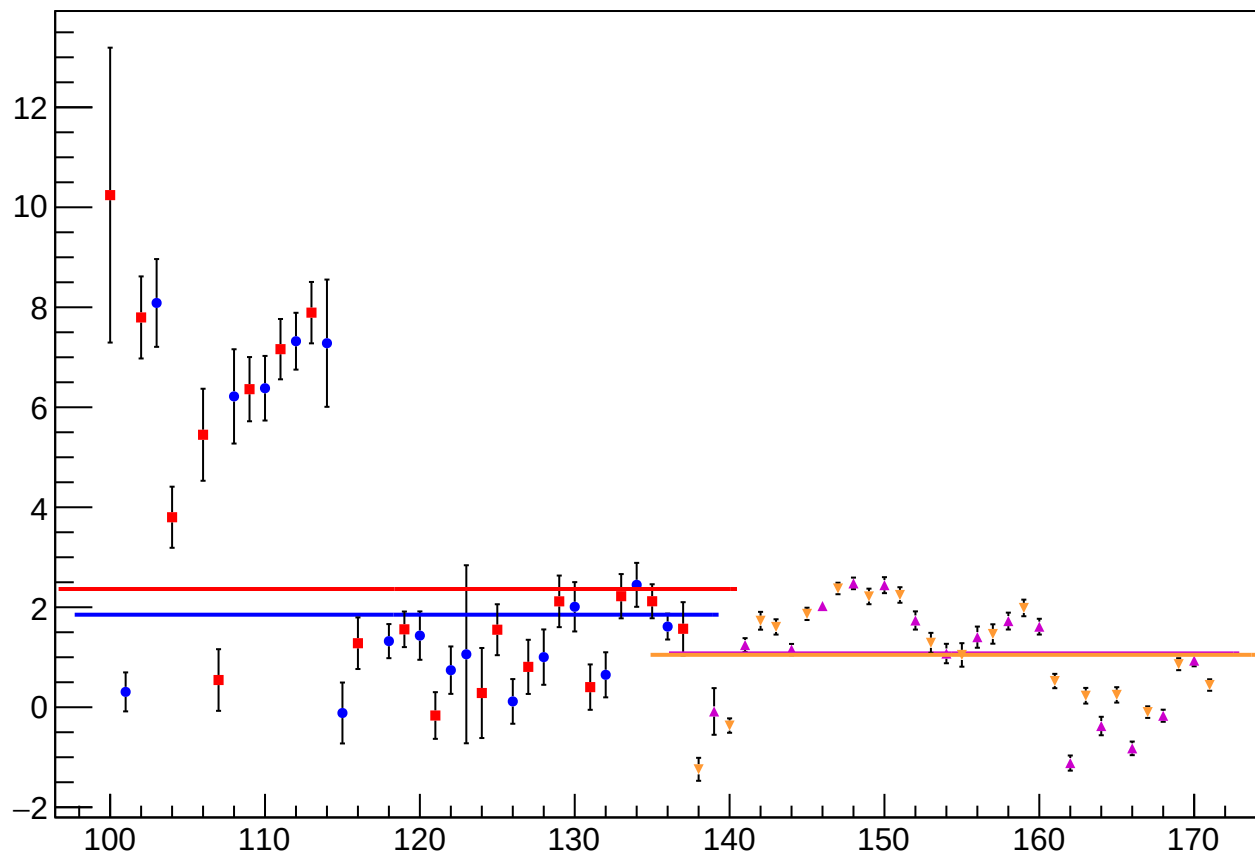
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.780+/-0.048 χ^2/NDF :1491.0/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.629+/-0.049 χ^2/NDF :1218.0/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 5.706+/-0.034 χ^2/NDF : 2713.8/33
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.049 ± 0.035 χ^2/NDF : 749.6/17

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

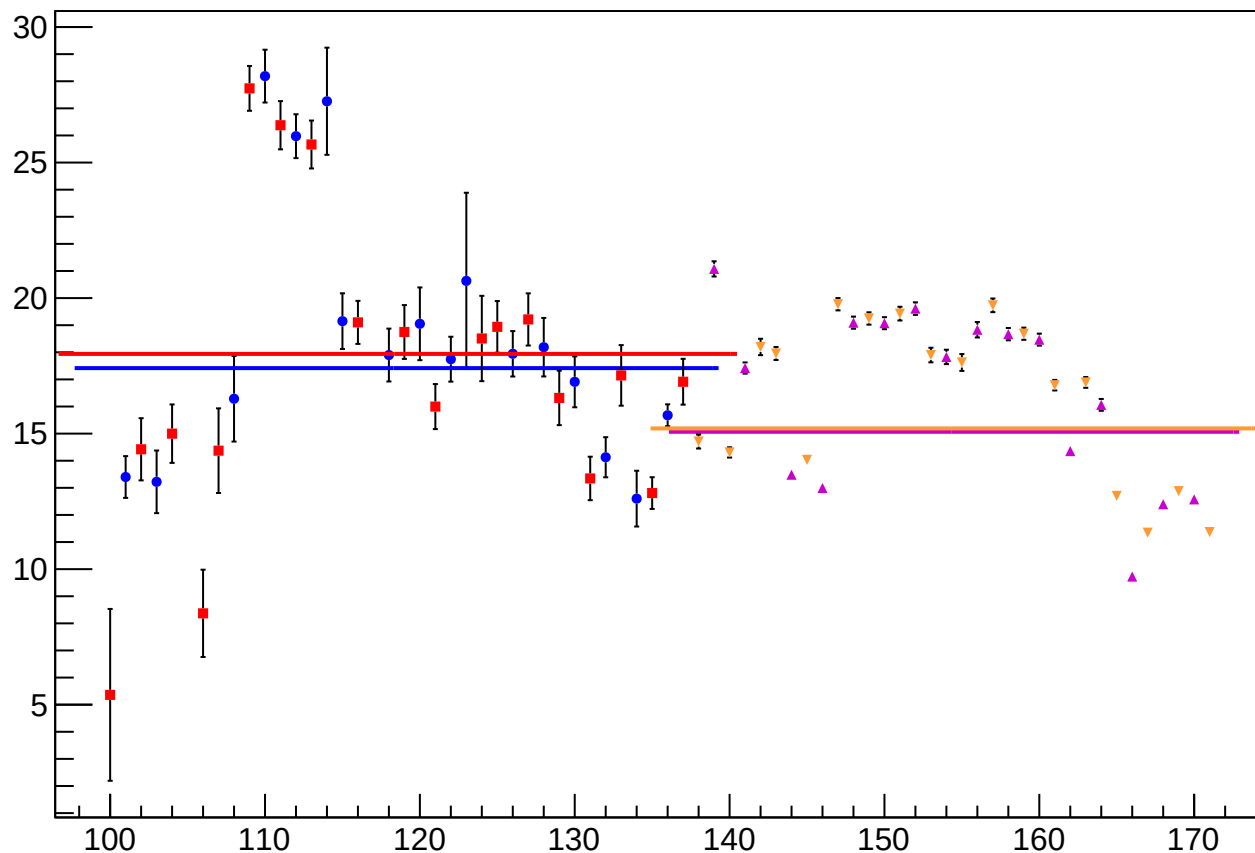
Left In: 1.077 ± 0.036 χ^2/NDF : 935.6/15

+ sign 1.114 ± 0.033 χ^2/NDF : 1086.8/34

All: 1.145 ± 0.024 χ^2/NDF : 2462.2/69

- sign 1.178 ± 0.034 χ^2/NDF : 1373.5/34

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 ± 0.213 χ^2/NDF : 367.0/16

Left Out: 15.192 ± 0.048 χ^2/NDF : 3965.8/17

Right Out: 17.941 ± 0.219 χ^2/NDF : 505.6/18

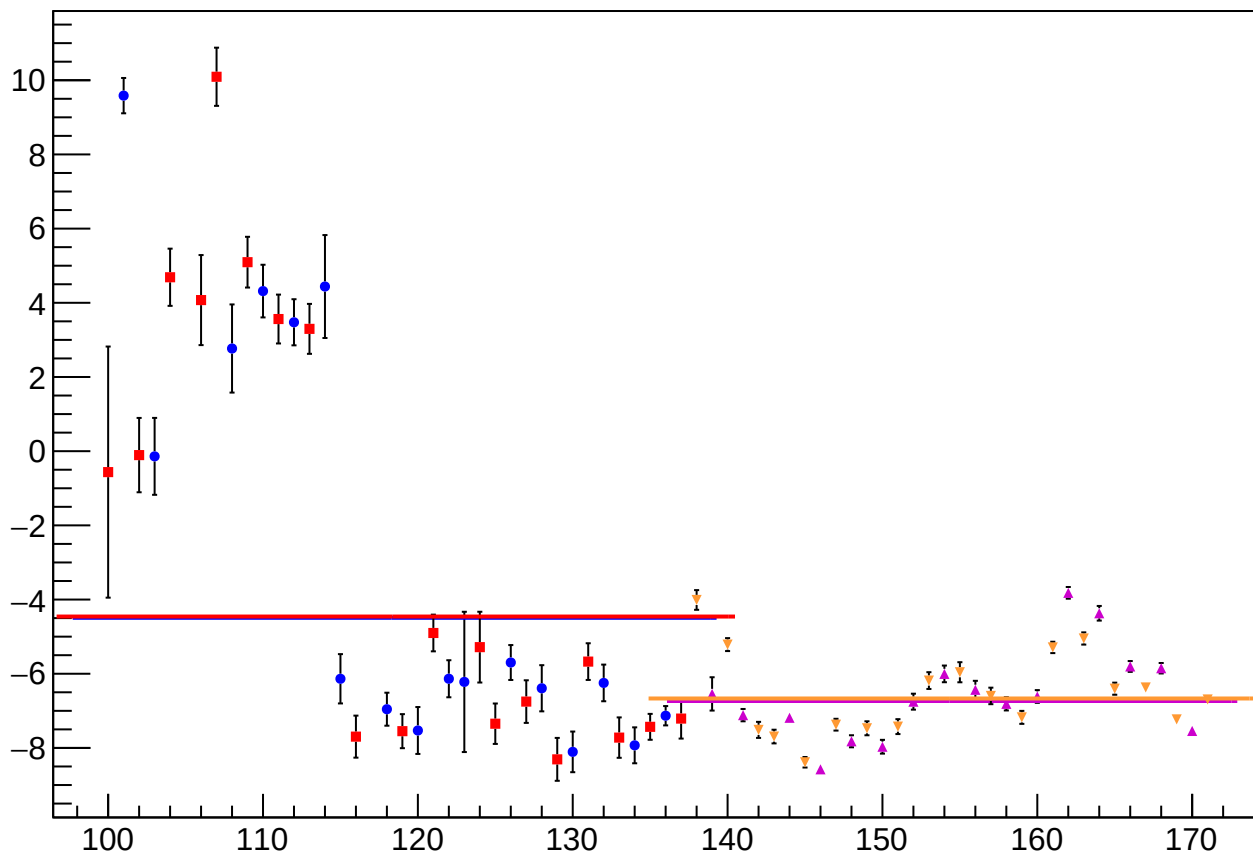
Left In: 15.068 ± 0.049 χ^2/NDF : 4501.3/15

+ sign 15.299 ± 0.047 χ^2/NDF : 4437.0/34

All: 15.252 ± 0.033 χ^2/NDF : 9609.8/69

- sign 15.203 ± 0.048 χ^2/NDF : 5170.7/34

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -6.667 ± 0.040 χ^2/NDF : 637.1/17

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

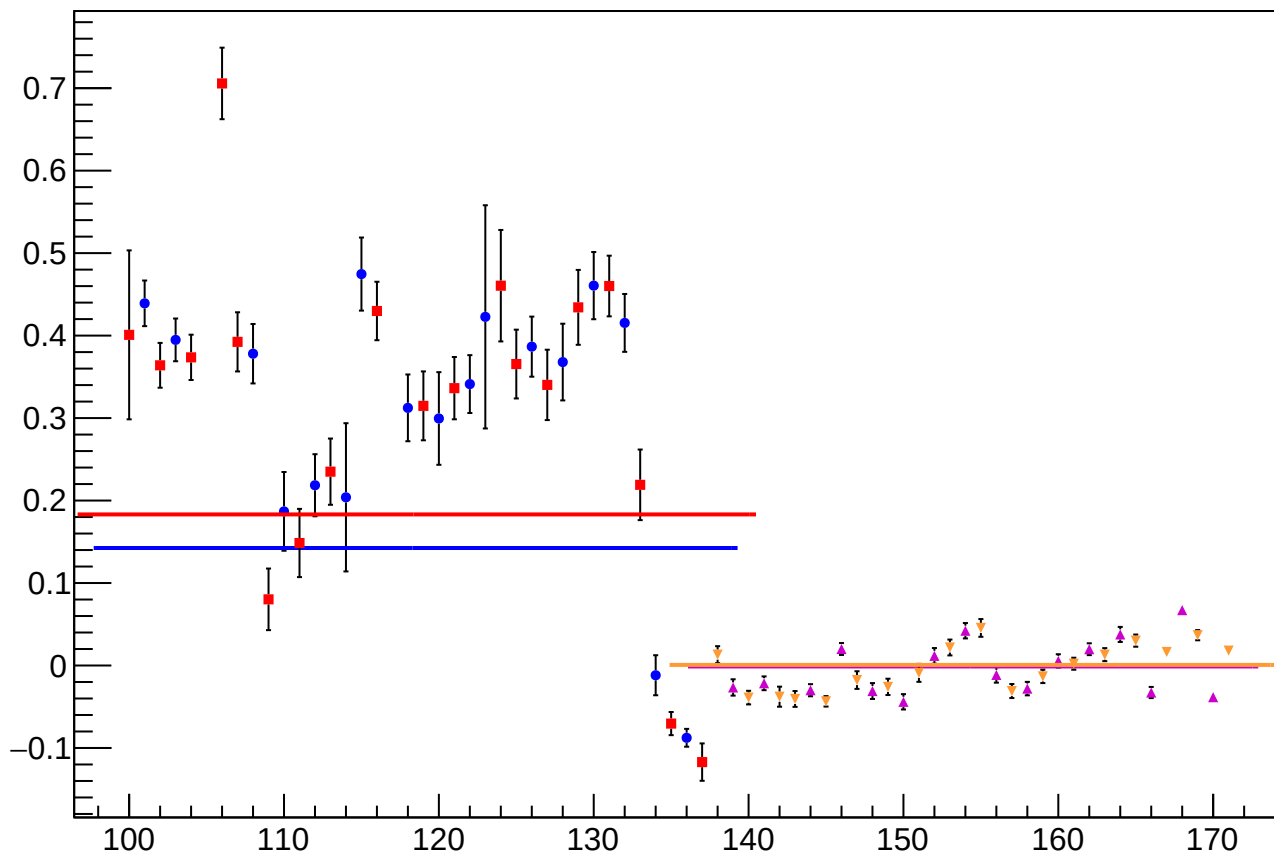
Left In: -6.735 ± 0.041 χ^2/NDF : 946.2/15

+ sign -6.479 ± 0.038 χ^2/NDF : 2476.7/34

All: -6.510 ± 0.028 χ^2/NDF : 5016.1/69

- sign -6.544 ± 0.040 χ^2/NDF : 2538.1/34

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 $\chi^2/\text{NDF}: 1058.8/16$

Left Out: 0.001 ± 0.002 $\chi^2/\text{NDF}: 222.2/17$

Right Out: 0.183 ± 0.007 $\chi^2/\text{NDF}: 1000.9/18$

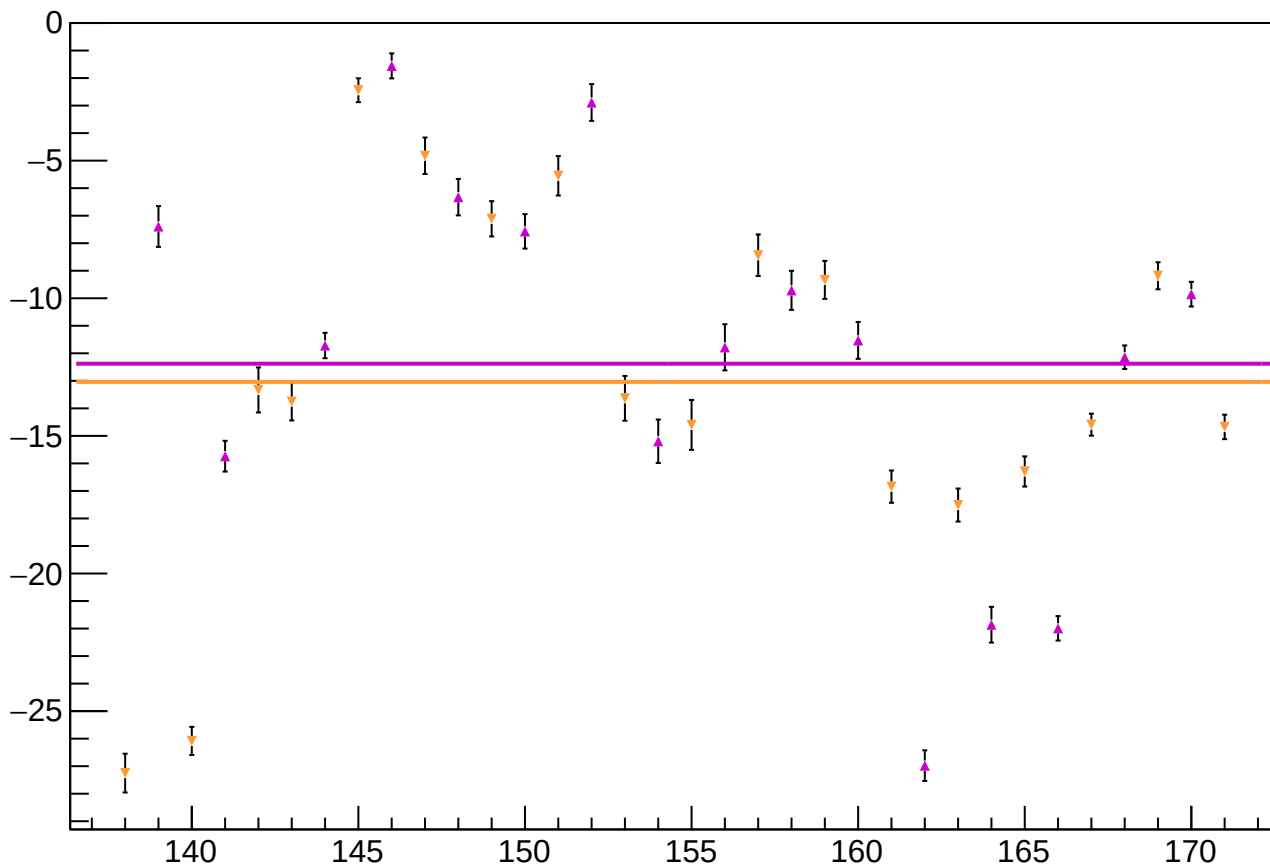
Left In: -0.001 ± 0.002 $\chi^2/\text{NDF}: 350.5/15$

+ sign 0.010 ± 0.002 $\chi^2/\text{NDF}: 1656.9/34$

All: 0.010 ± 0.001 $\chi^2/\text{NDF}: 3588.1/69$

- sign 0.011 ± 0.002 $\chi^2/\text{NDF}: 1931.1/34$

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -13.039+/-0.138 χ^2/NDF : 2297.8/17

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

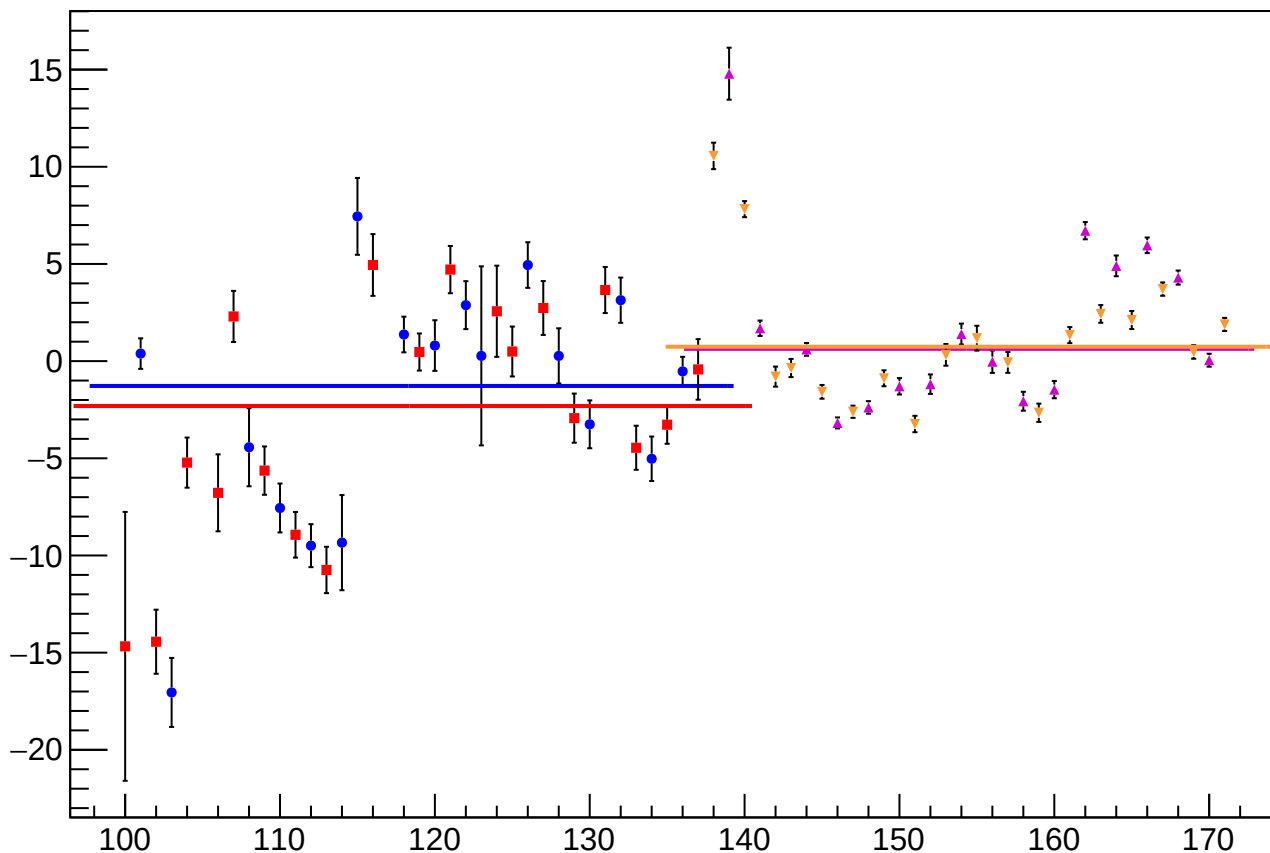
Left In: -12.378+/-0.141 χ^2/NDF : 2426.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.717+/-0.099 χ^2/NDF : 4735.4/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 0.741 ± 0.100 χ^2/NDF : 942.0/17

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

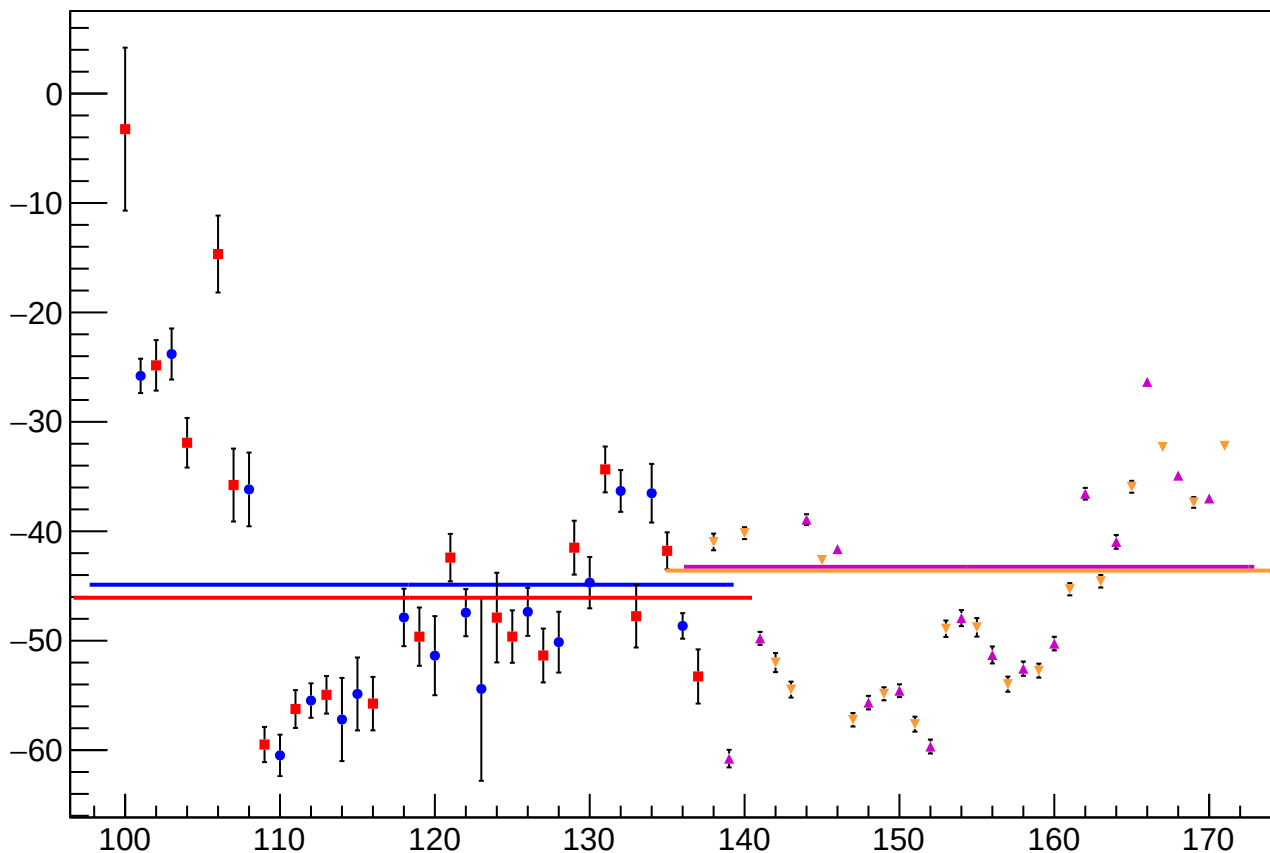
Left In: 0.632 ± 0.103 χ^2/NDF : 1012.1/15

+ sign 0.530 ± 0.094 χ^2/NDF : 1261.2/34

All: 0.432 ± 0.068 χ^2/NDF : 2645.6/69

- sign 0.328 ± 0.097 χ^2/NDF : 1382.2/34

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 $\chi^2/\text{NDF}: 421.0/16$

Left Out: -43.592 ± 0.138 $\chi^2/\text{NDF}: 3927.7/17$

Right Out: -46.075 ± 0.529 $\chi^2/\text{NDF}: 454.3/18$

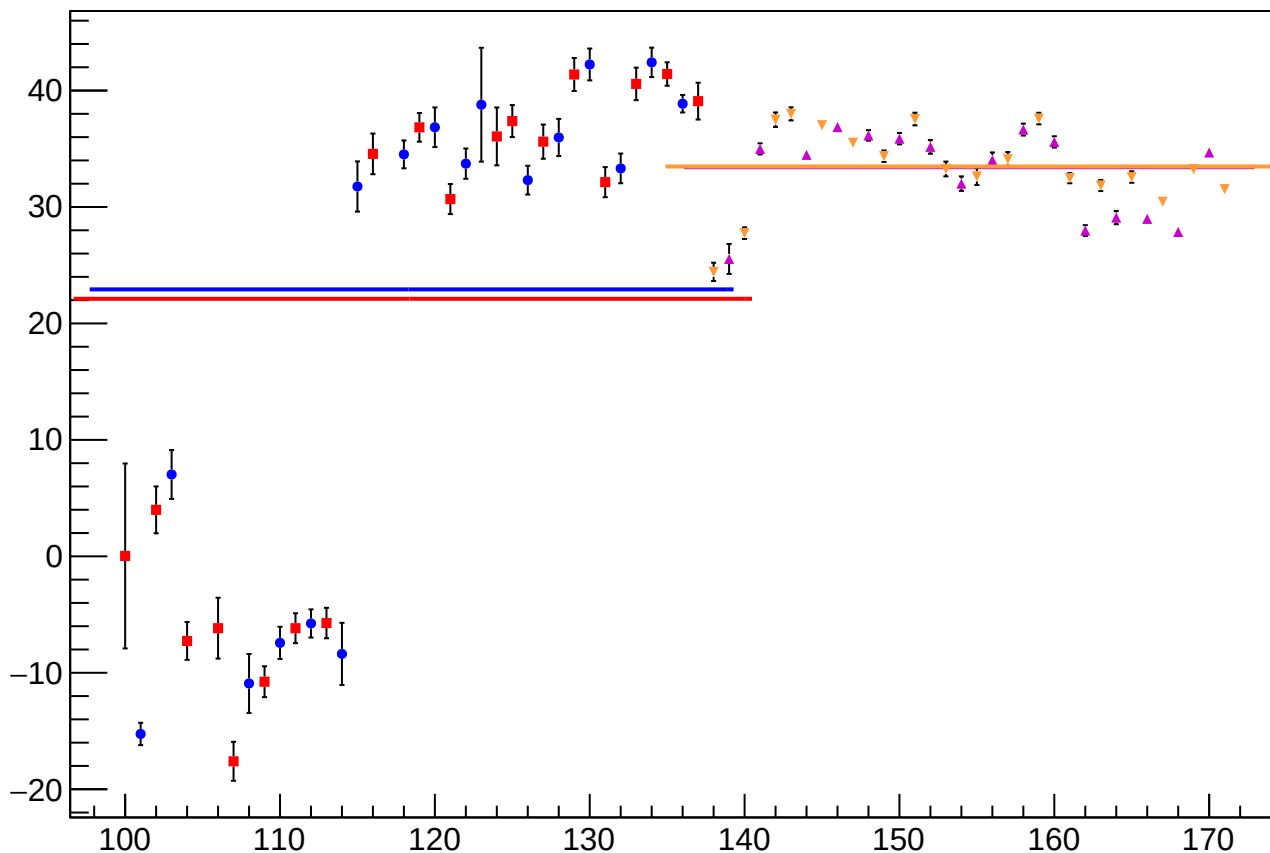
Left In: -43.249 ± 0.140 $\chi^2/\text{NDF}: 4721.5/15$

+ sign -43.675 ± 0.133 $\chi^2/\text{NDF}: 4354.3/34$

All: -43.556 ± 0.095 $\chi^2/\text{NDF}: 9558.4/69$

- sign -43.434 ± 0.135 $\chi^2/\text{NDF}: 5202.5/34$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 33.478 $\pm$ 0.115 χ^2 /NDF: 709.3/17

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

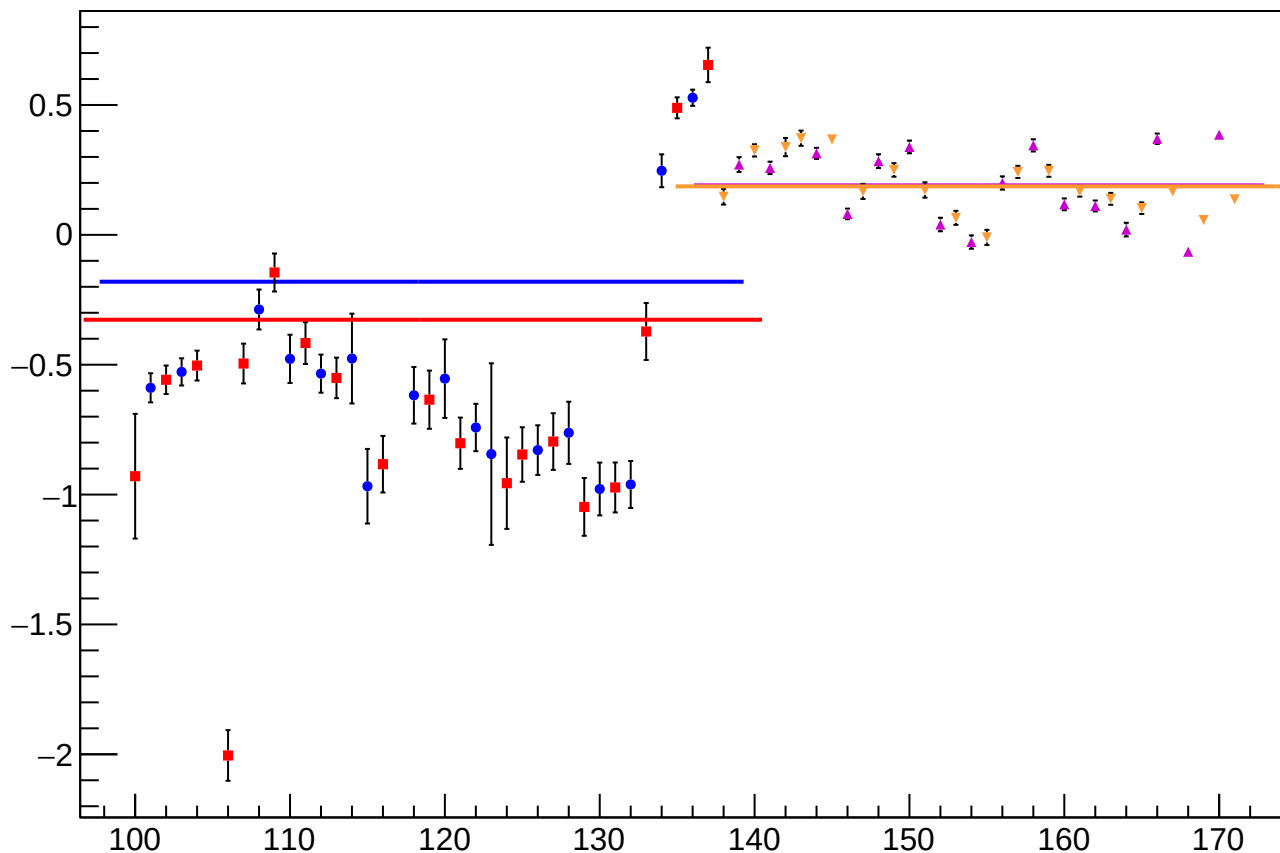
Left In: 33.417 $\pm$ 0.119 χ^2 /NDF: 774.3/15

+ sign 32.321 $\pm$ 0.109 χ^2 /NDF: 5960.7/34

All: 32.256 $\pm$ 0.078 χ^2 /NDF: 11753.6/69

- sign 32.186 $\pm$ 0.112 χ^2 /NDF: 5792.2/34

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.187 ± 0.005 χ^2/NDF : 360.6/17

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

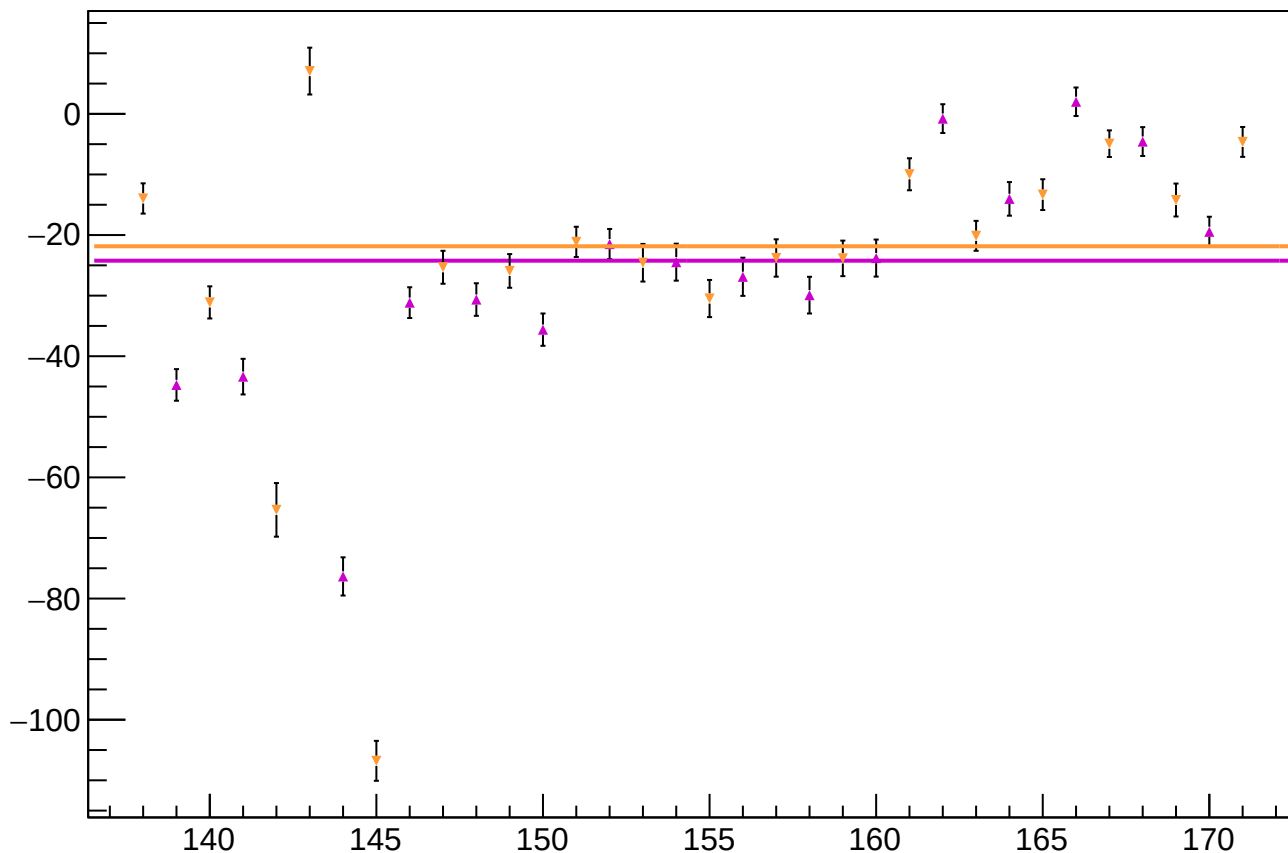
Left In: 0.191 ± 0.006 χ^2/NDF : 806.7/15

+ sign 0.156 ± 0.005 χ^2/NDF : 1747.6/34

All: 0.152 ± 0.004 χ^2/NDF : 4471.2/69

- sign 0.147 ± 0.005 χ^2/NDF : 2721.9/34

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -21.852+/-0.654 χ^2/NDF :999.8/17

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

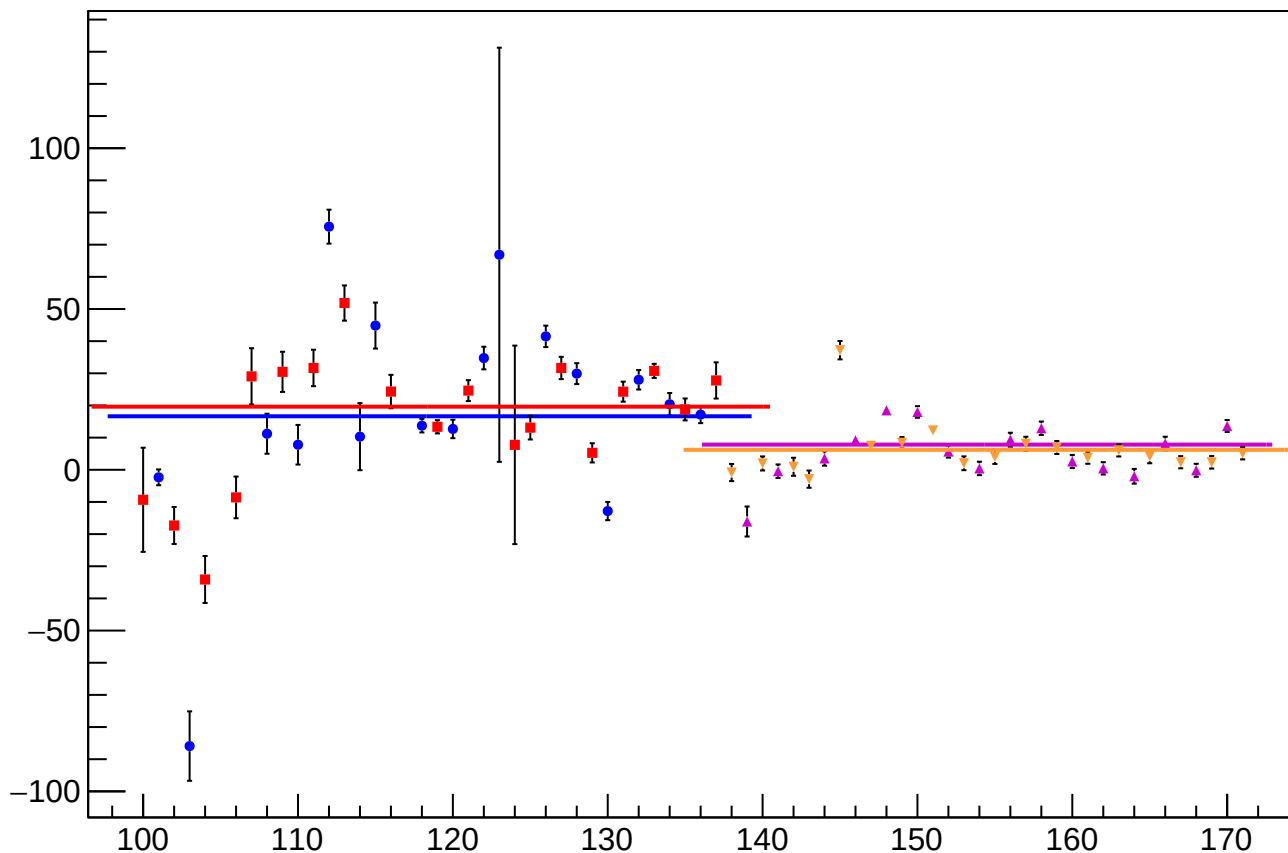
Left In: -24.232+/-0.673 χ^2/NDF :721.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -23.009+/-0.469 χ^2/NDF : 1727.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 χ^2/NDF : 518.9/16

Left Out: 6.215 ± 0.465 χ^2/NDF : 180.6/17

Right Out: 19.632 ± 0.896 χ^2/NDF : 241.7/18

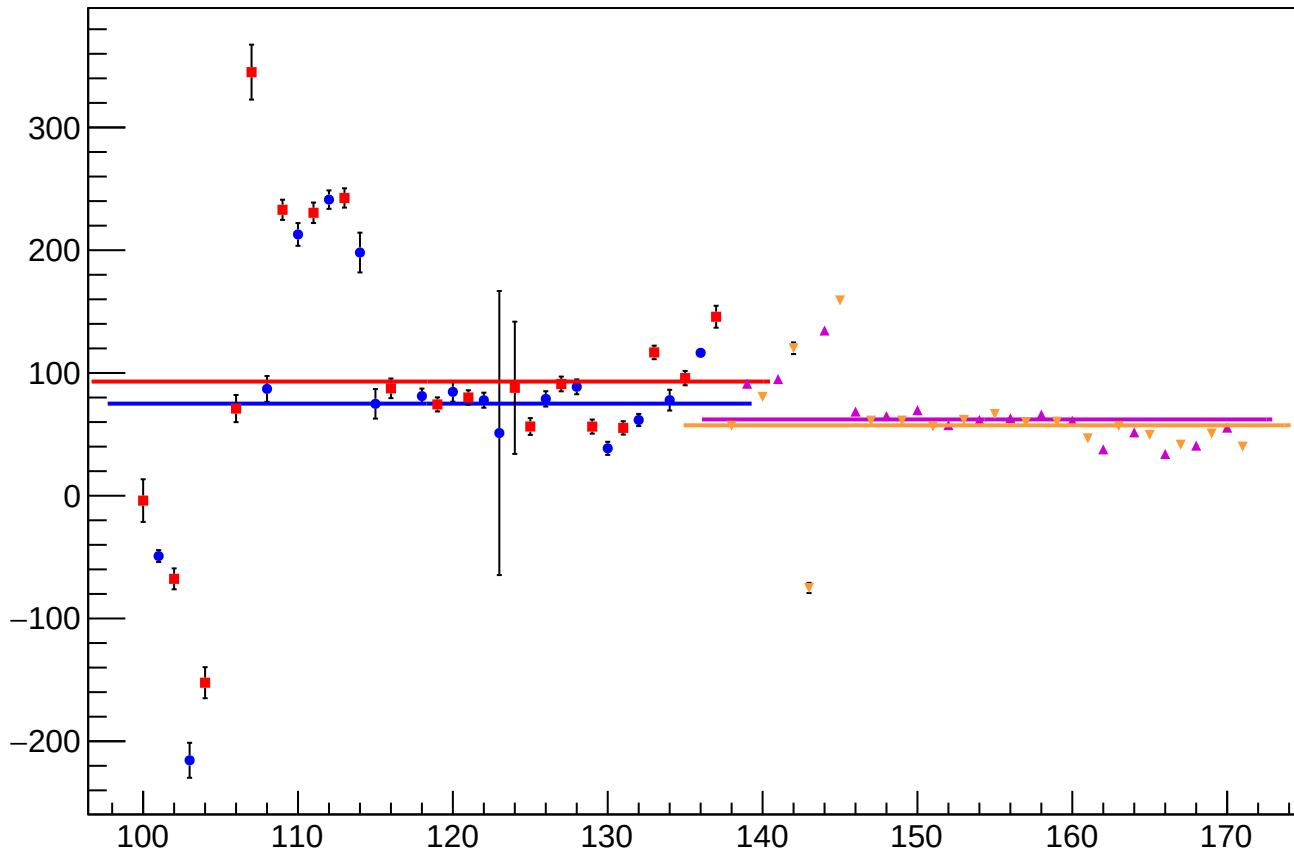
Left In: 7.827 ± 0.487 χ^2/NDF : 229.8/15

+ sign 8.578 ± 0.409 χ^2/NDF : 813.5/34

All: 9.502 ± 0.295 χ^2/NDF : 1429.7/69

- sign 10.514 ± 0.428 χ^2/NDF : 605.5/34

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 57.380 $\pm$ 0.644 χ^2 /NDF: 2308.0/17

Right Out: 93.028 $\pm$ 1.711 χ^2 /NDF: 2003.6/18

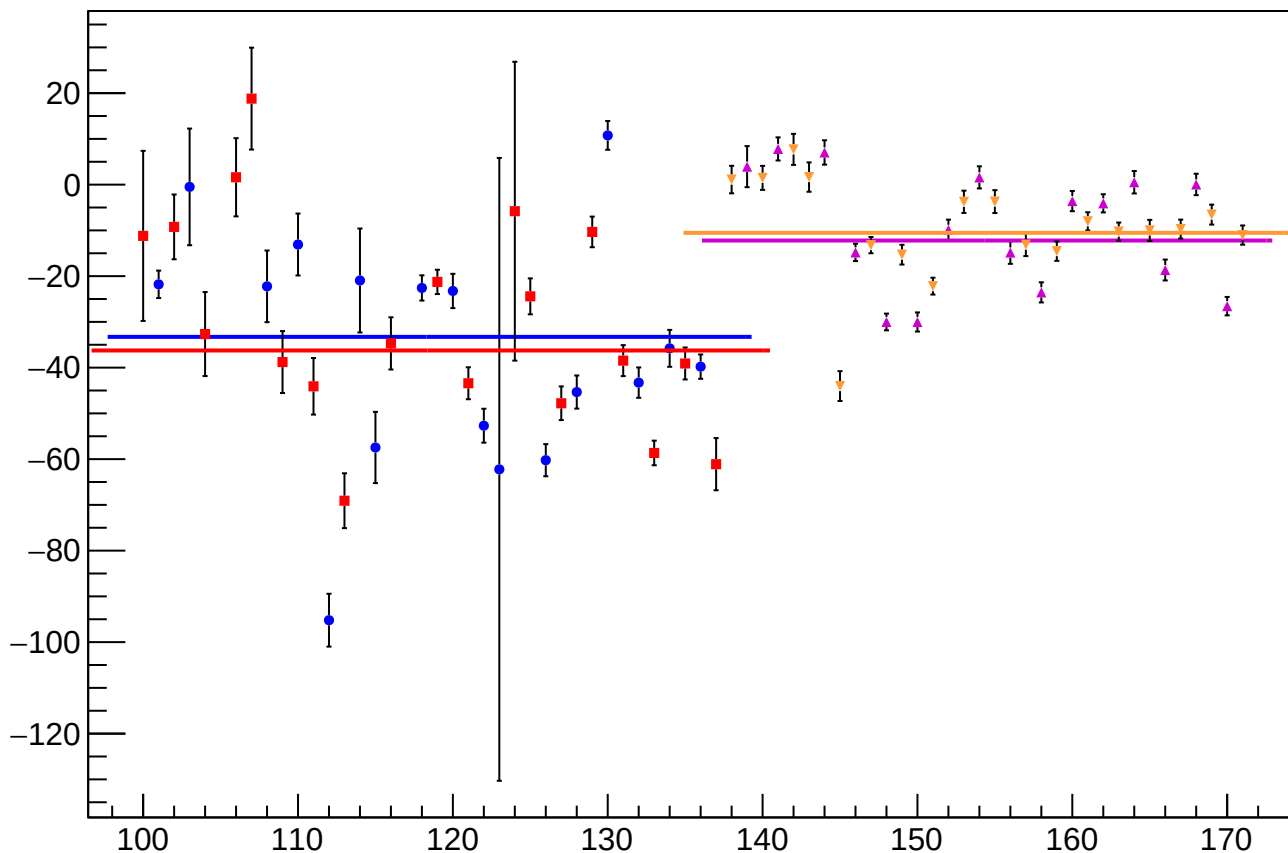
Left In: 62.141 $\pm$ 0.658 χ^2 /NDF: 1053.8/15

+ sign 59.719 $\pm$ 0.599 χ^2 /NDF: 4407.4/34

All: 62.842 $\pm$ 0.429 χ^2 /NDF: 7804.2/69

- sign 66.121 $\pm$ 0.614 χ^2 /NDF: 3341.2/34

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -10.534 ± 0.540 χ^2/NDF : 256.9/17

Right Out: -36.251 ± 1.024 χ^2/NDF : 297.6/18

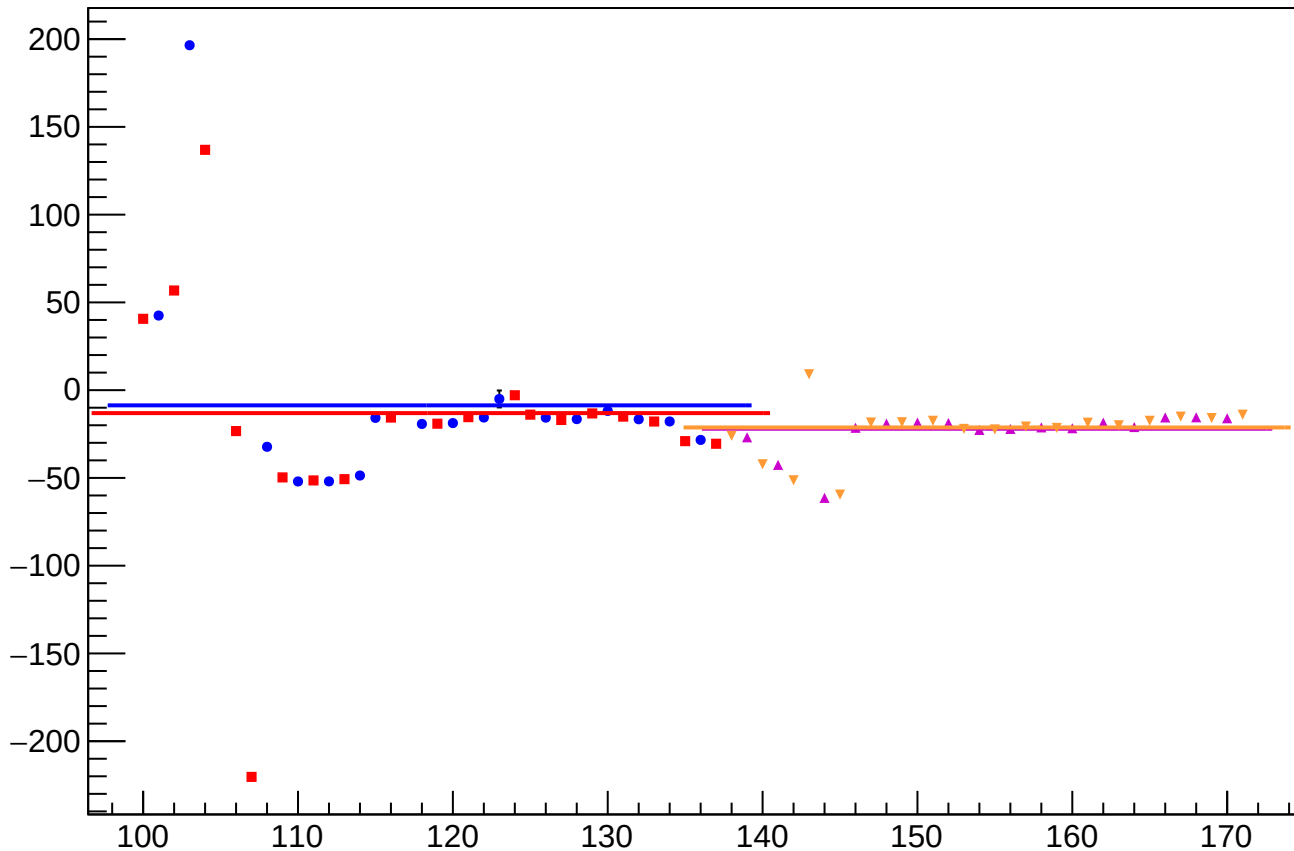
Left In: -12.215 ± 0.564 χ^2/NDF : 503.4/15

+ sign -15.808 ± 0.473 χ^2/NDF : 1158.1/34

All: -16.768 ± 0.342 χ^2/NDF : 2390.4/69

- sign -17.816 ± 0.494 χ^2/NDF : 1223.7/34

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -21.252 ± 0.025 $\chi^2/\text{NDF}: 189445.7/17$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

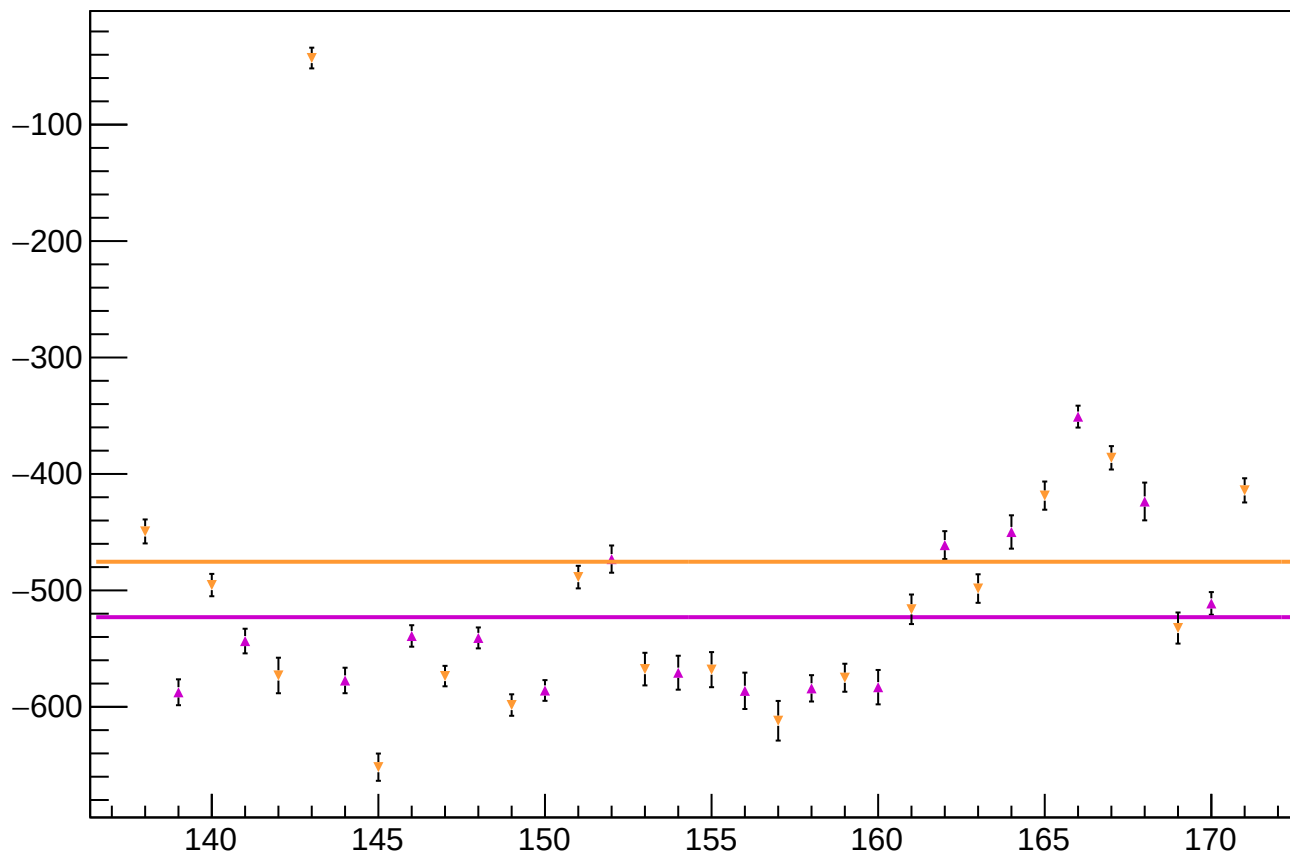
Left In: -21.994 ± 0.026 $\chi^2/\text{NDF}: 118116.8/15$

+ sign -19.333 ± 0.023 $\chi^2/\text{NDF}: 803707.4/34$

All: -19.983 ± 0.017 $\chi^2/\text{NDF}: 1499505.4/69$

- sign -20.674 ± 0.024 $\chi^2/\text{NDF}: 694158.6/34$

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -475.387+/-2.634 χ^2/NDF : 3328.1/17

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

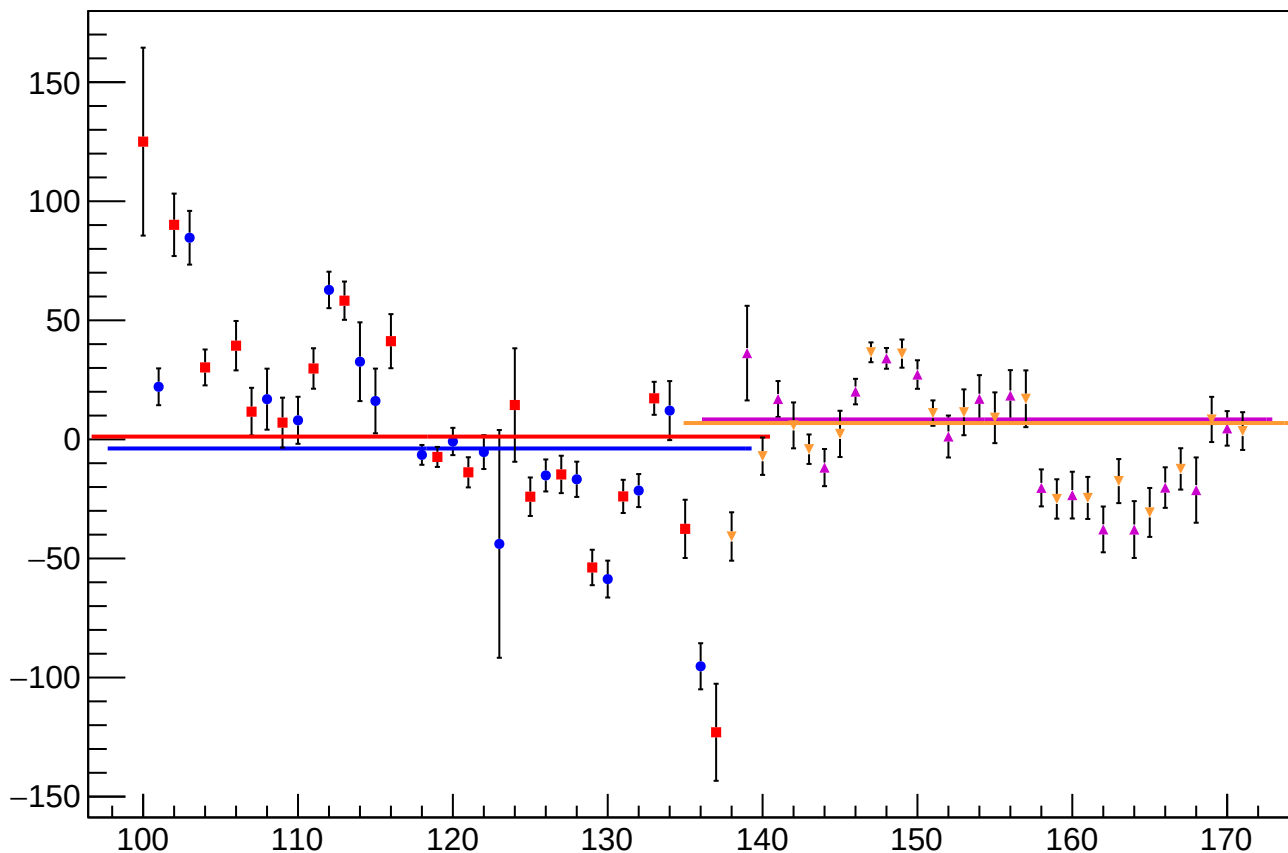
Left In: -522.989+/-2.793 χ^2/NDF : 637.2/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -497.789+/-1.916 χ^2/NDF : 4119.0/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 6.869 ± 1.795 χ^2/NDF : 158.3/17

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

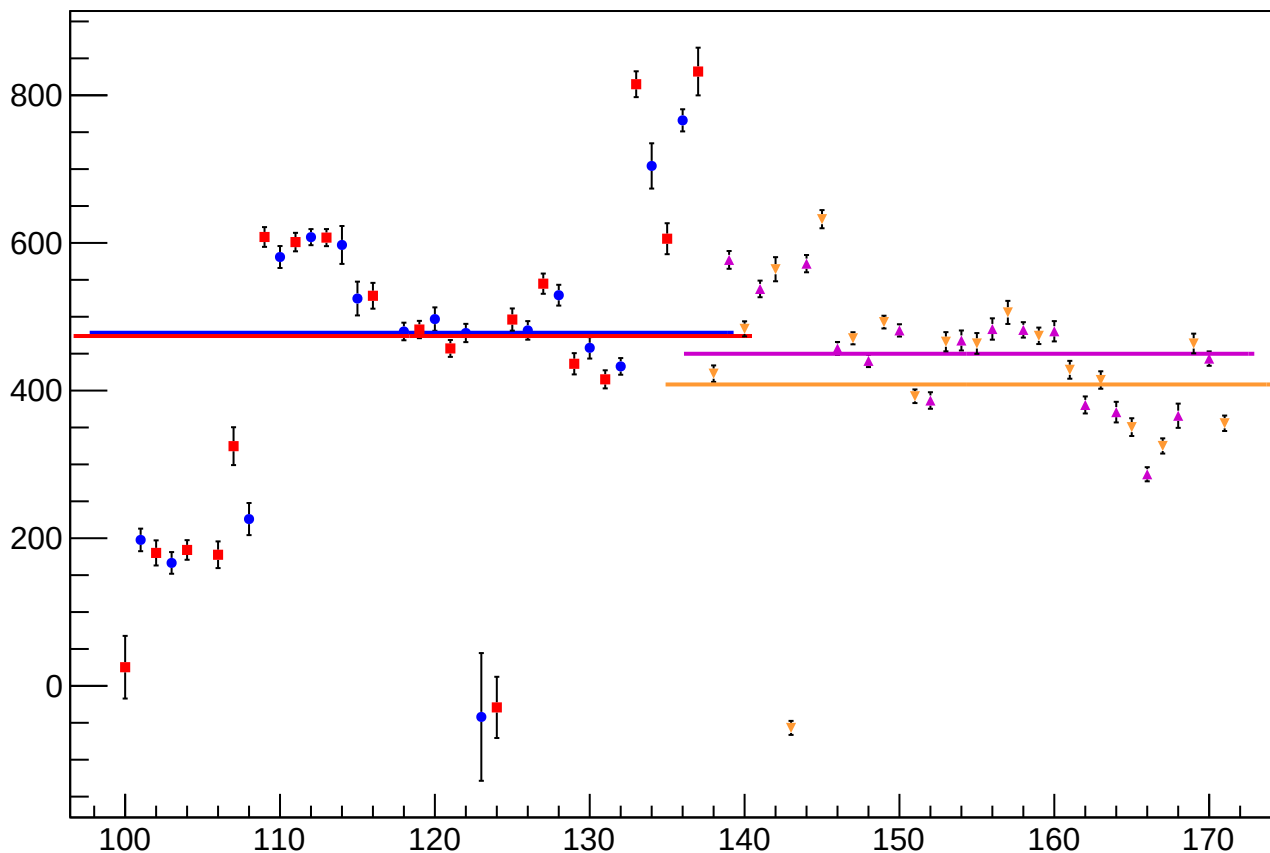
Left In: 8.389 ± 1.936 χ^2/NDF : 140.1/15

+ sign 1.895 ± 1.312 χ^2/NDF : 489.1/34

All: 3.265 ± 0.945 χ^2/NDF : 942.4/69

- sign 4.740 ± 1.361 χ^2/NDF : 451.0/34

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 ± 3.662 χ^2/NDF : 1628.8/16

Left Out: 408.280 ± 2.606 χ^2/NDF : 3276.7/17

Right Out: 473.902 ± 3.531 χ^2/NDF : 2285.0/18

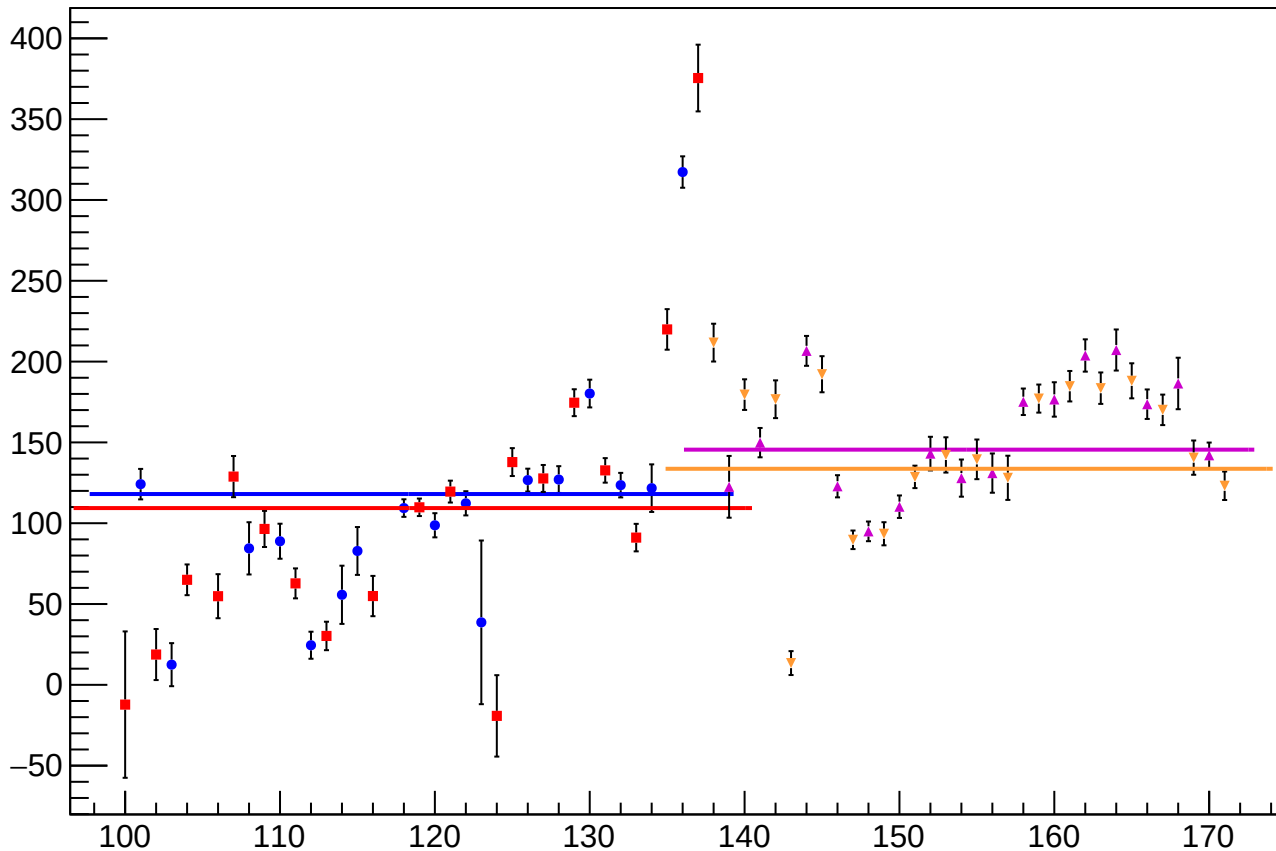
Left In: 449.864 ± 2.732 χ^2/NDF : 735.9/15

+ sign 431.830 ± 2.123 χ^2/NDF : 5148.4/34

All: 445.111 ± 1.514 χ^2/NDF : 8277.9/69

- sign 458.866 ± 2.161 χ^2/NDF : 3049.9/34

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 133.683 $\pm$ 2.133 χ^2 /NDF: 587.7/17

Right Out: 109.367 $\pm$ 2.205 χ^2 /NDF: 569.8/18

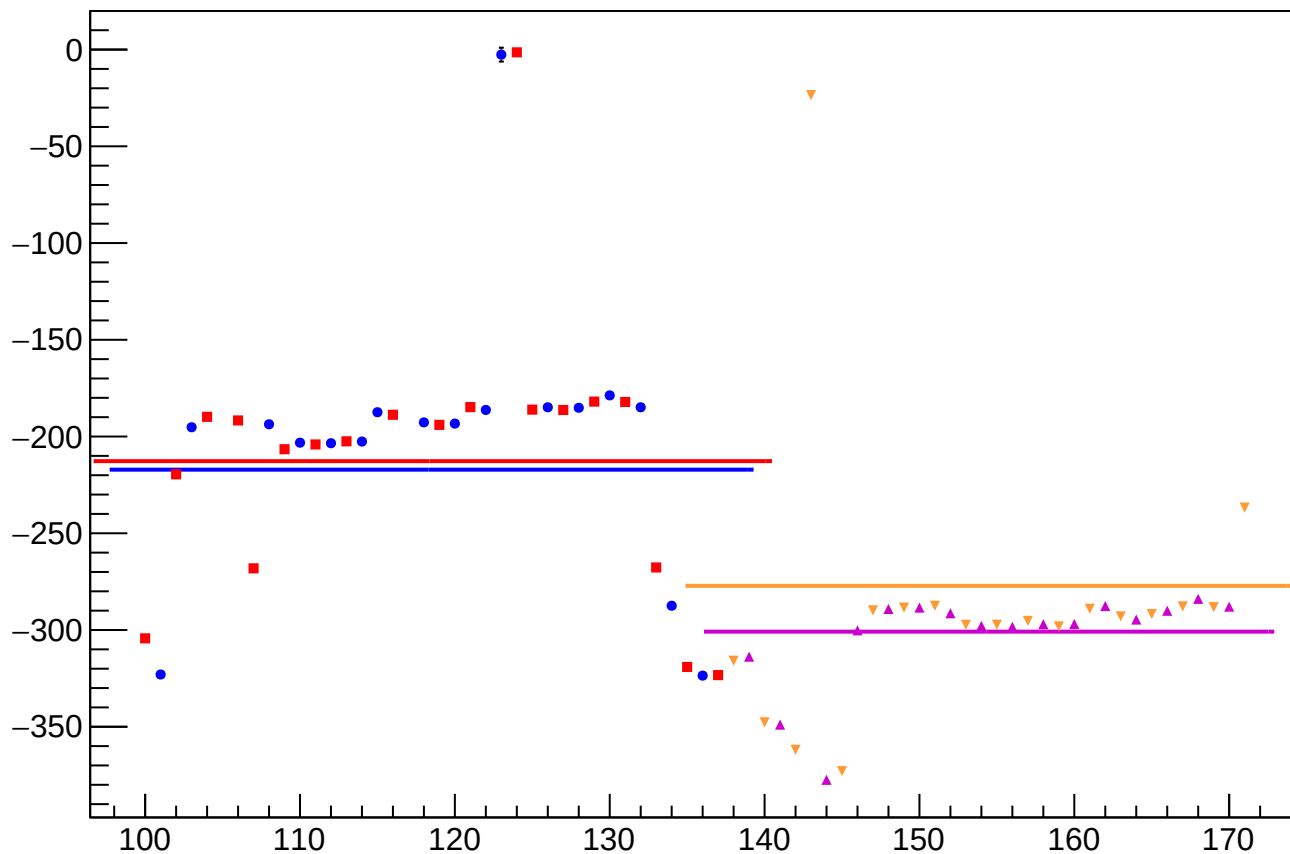
Left In: 145.517 $\pm$ 2.288 χ^2 /NDF: 250.1/15

+ sign 126.198 $\pm$ 1.540 χ^2 /NDF: 1318.7/34

All: 126.476 $\pm$ 1.105 χ^2 /NDF: 2268.1/69

- sign 126.771 $\pm$ 1.588 χ^2 /NDF: 949.3/34

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -277.167 ± 0.104 $\chi^2/\text{NDF}: 559104.2/17$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

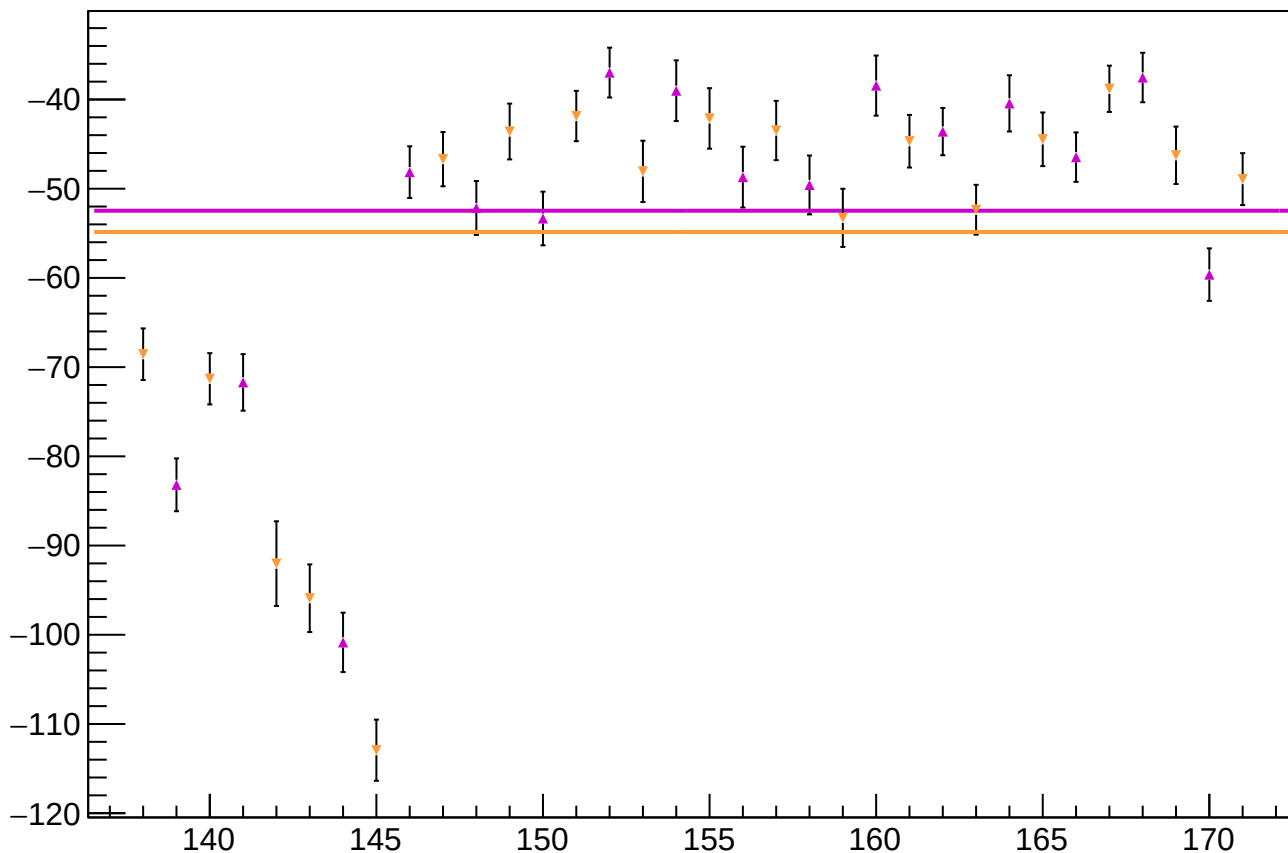
Left In: -300.848 ± 0.109 $\chi^2/\text{NDF}: 41033.0/15$

+ sign -255.185 ± 0.083 $\chi^2/\text{NDF}: 828200.7/34$

All: -259.829 ± 0.059 $\chi^2/\text{NDF}: 1260885.6/69$

- sign -264.573 ± 0.084 $\chi^2/\text{NDF}: 426299.6/34$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -54.850 $\pm$ 0.735 χ^2 /NDF:666.4/17

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

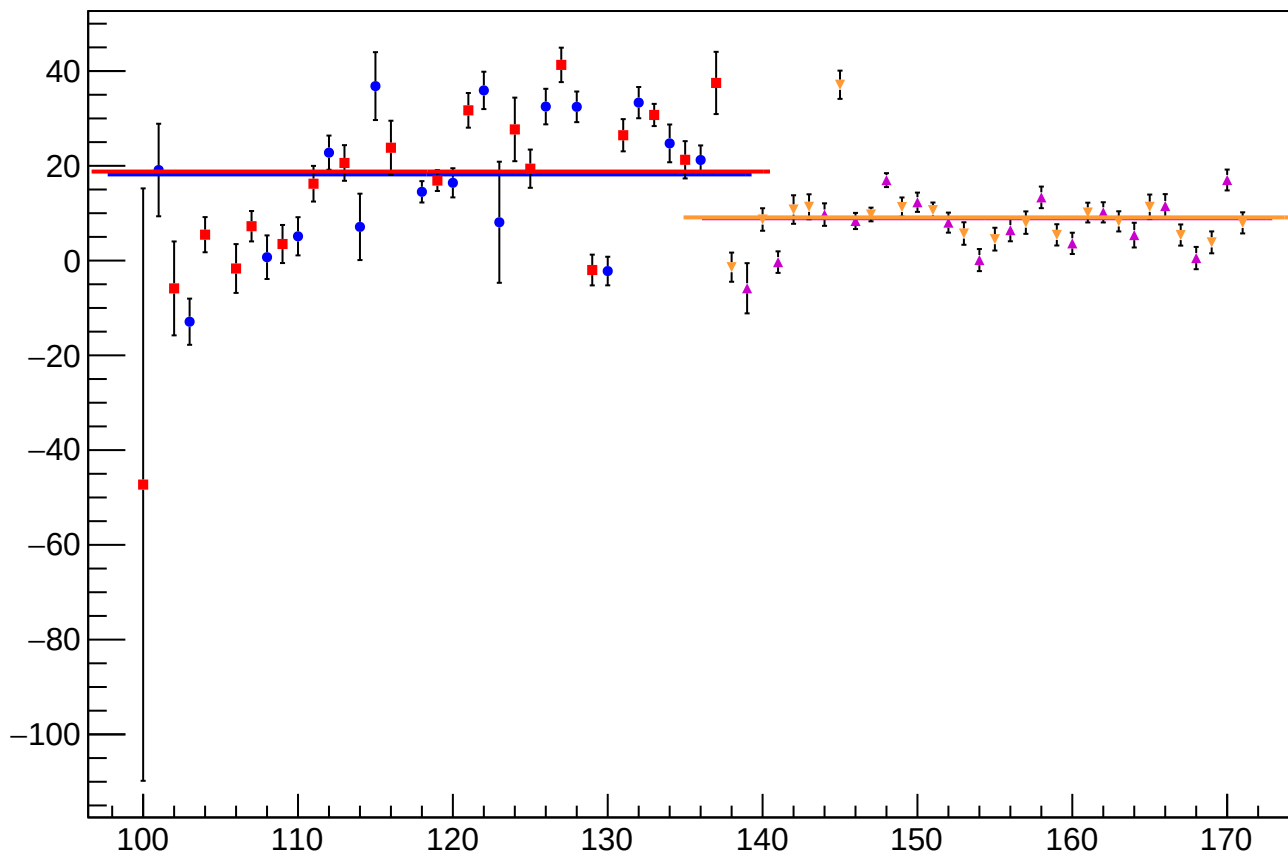
Left In: -52.469 $\pm$ 0.758 χ^2 /NDF:489.6/15

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

All: -53.695 $\pm$ 0.528 χ^2 /NDF: 1161.0/33

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

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 $\pm$ 0.917 χ^2 /NDF: 204.9/16

Left Out: 9.114 $\pm$ 0.521 χ^2 /NDF:121.2/17

Right Out: 18.791 $\pm$ 0.863 χ^2 /NDF: 198.8/18

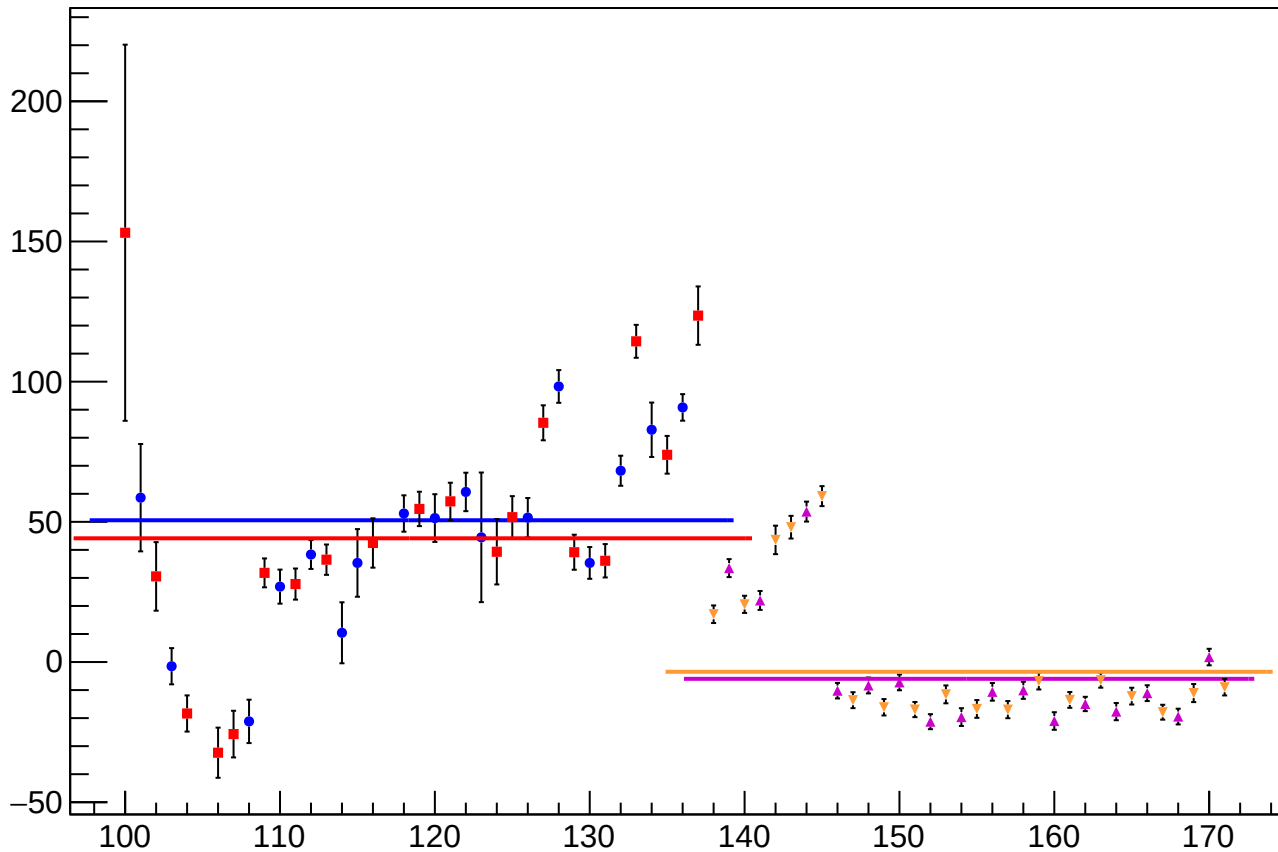
Left In: 8.931 $\pm$ 0.547 χ^2 /NDF:111.8/15

+ sign 11.328 $\pm$ 0.453 χ^2 /NDF: 400.0/34

All: 11.539 $\pm$ 0.323 χ^2 /NDF: 804.2/69

- sign 11.757 $\pm$ 0.462 χ^2 /NDF: 403.7/34

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 ± 1.678 $\chi^2/\text{NDF}: 357.9/16$

Left Out: -3.476 ± 0.724 $\chi^2/\text{NDF}: 824.0/17$

Right Out: 44.132 ± 1.603 $\chi^2/\text{NDF}: 532.5/18$

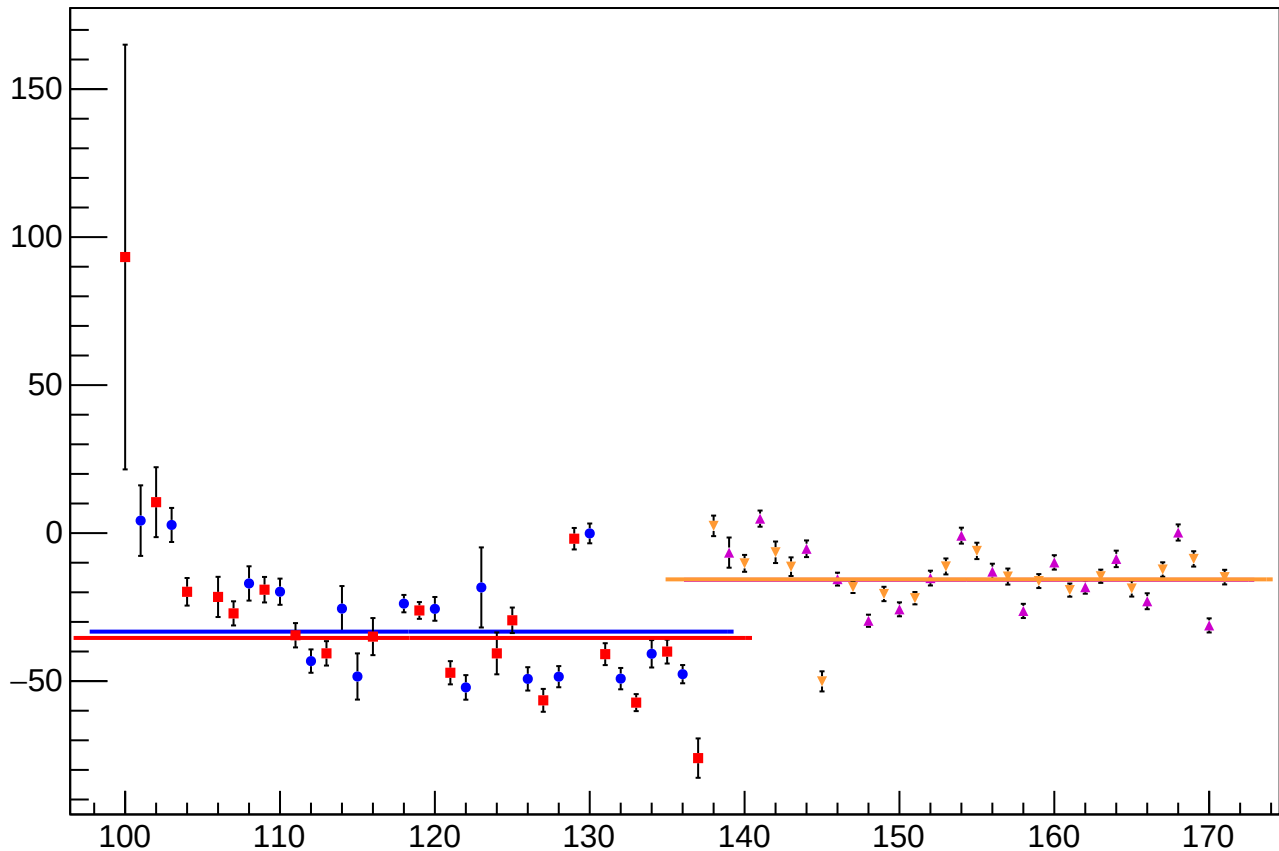
Left In: -5.989 ± 0.741 $\chi^2/\text{NDF}: 643.0/15$

+ sign 5.002 ± 0.664 $\chi^2/\text{NDF}: 2056.8/34$

All: 3.932 ± 0.473 $\chi^2/\text{NDF}: 4043.6/69$

- sign 2.836 ± 0.672 $\chi^2/\text{NDF}: 1981.5/34$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -15.627 ± 0.606 χ^2/NDF : 185.1/17

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

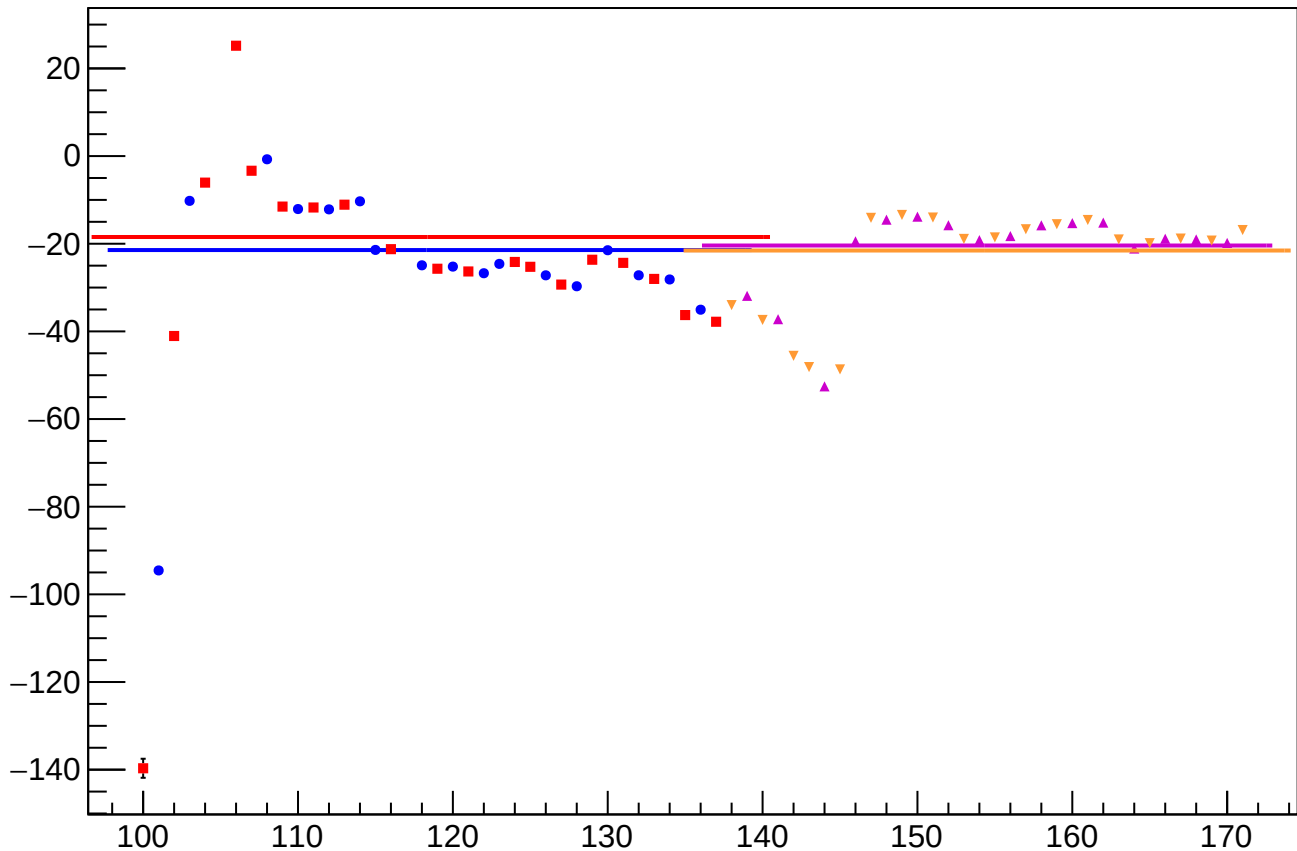
Left In: -15.783 ± 0.634 χ^2/NDF : 285.5/15

+ sign -20.080 ± 0.524 χ^2/NDF : 689.2/34

All: -20.769 ± 0.374 χ^2/NDF : 1546.3/69

- sign -21.484 ± 0.534 χ^2/NDF : 853.6/34

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 χ^2/NDF : 48968.5/16

Left Out: -21.547 ± 0.028 χ^2/NDF : 128710.3/17

Right Out: -18.463 ± 0.057 χ^2/NDF : 80470.6/18

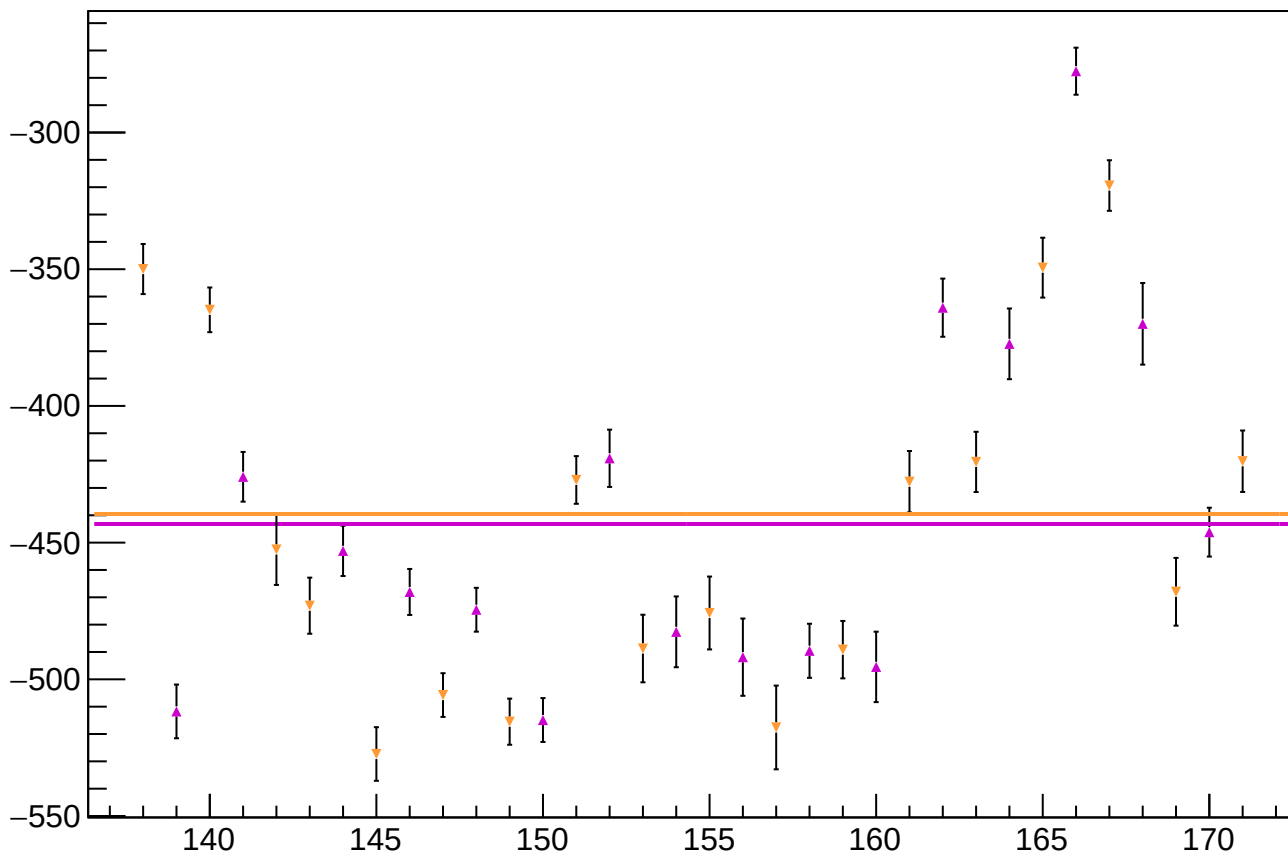
Left In: -20.406 ± 0.029 χ^2/NDF : 83104.2/15

+ sign -21.528 ± 0.025 χ^2/NDF : 177681.3/34

All: -20.783 ± 0.018 χ^2/NDF : 343919.3/69

- sign -20.012 ± 0.026 χ^2/NDF : 164488.5/34

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -439.532+/-2.413 χ^2/NDF : 742.9/17

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

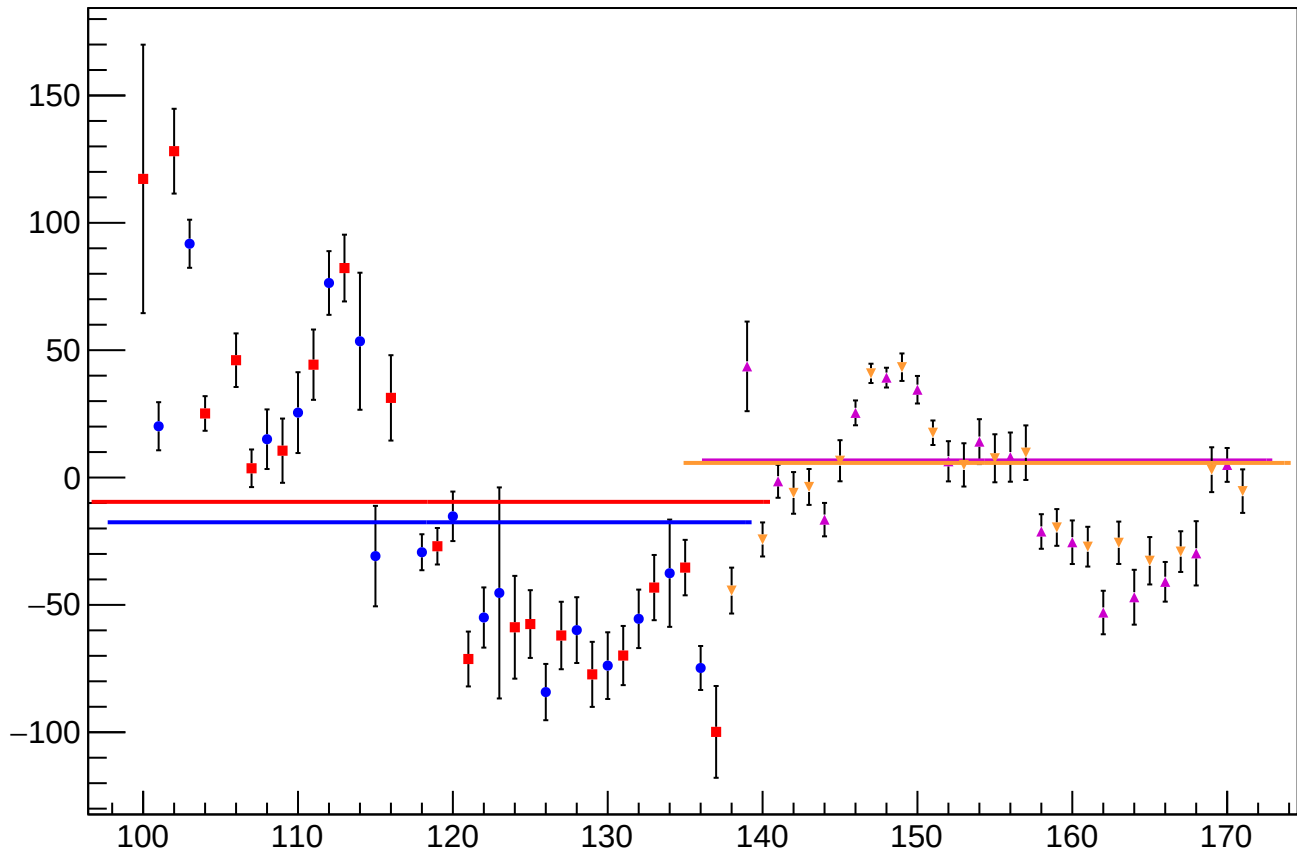
Left In: -443.184+/-2.491 χ^2/NDF : 698.0/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -441.300+/-1.733 χ^2/NDF : 1442.0/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 5.741 ± 1.644 χ^2/NDF : 278.0/17

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

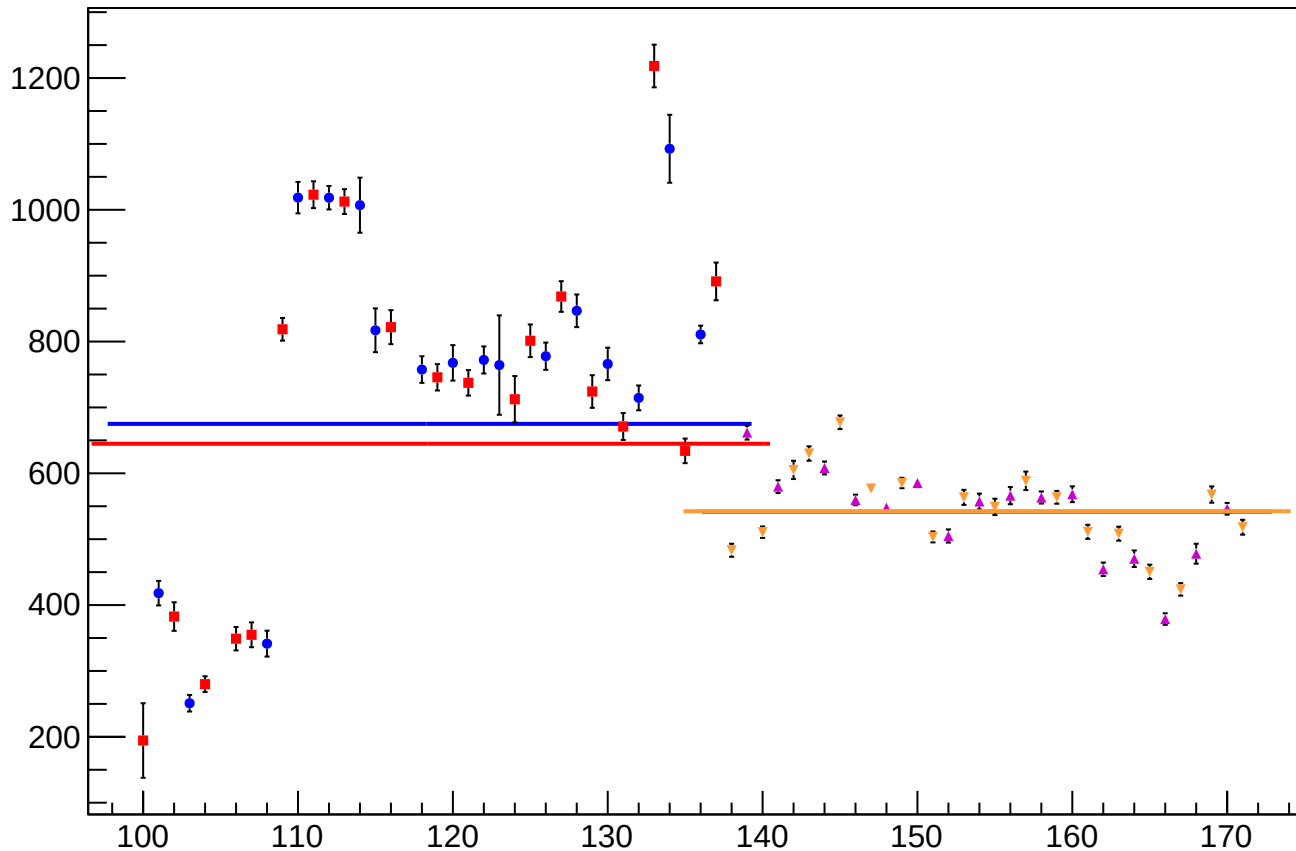
Left In: 6.711 ± 1.727 χ^2/NDF : 280.9/15

+ sign -0.169 ± 1.420 χ^2/NDF : 692.7/34

All: 0.782 ± 1.011 χ^2/NDF : 1371.8/69

- sign 1.759 ± 1.440 χ^2/NDF : 678.2/34

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 ± 5.067 $\chi^2/\text{NDF}: 2584.3/16$

Left Out: 542.457 ± 2.384 $\chi^2/\text{NDF}: 651.9/17$

Right Out: 644.915 ± 4.761 $\chi^2/\text{NDF}: 3122.2/18$

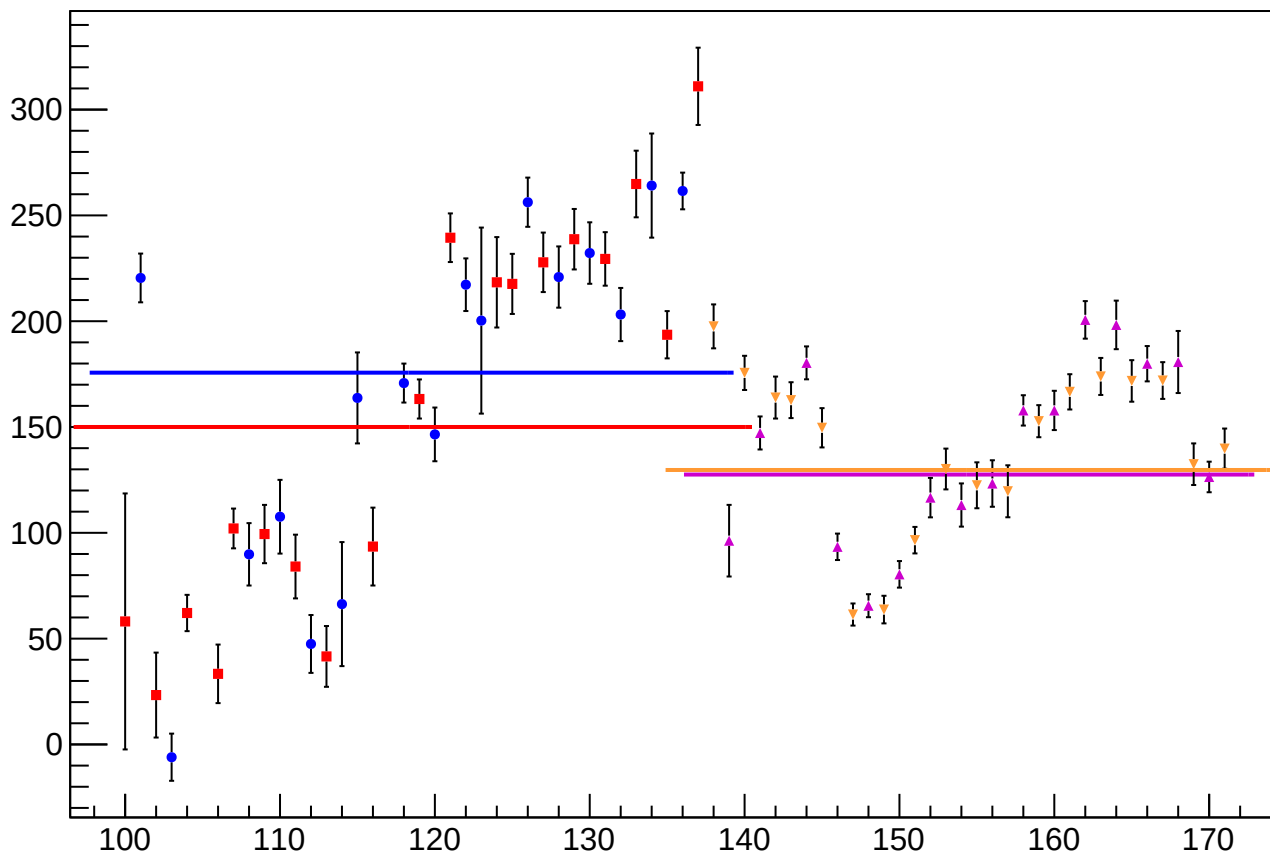
Left In: 541.754 ± 2.439 $\chi^2/\text{NDF}: 725.3/15$

+ sign 566.489 ± 2.157 $\chi^2/\text{NDF}: 3796.7/34$

All: 564.851 ± 1.530 $\chi^2/\text{NDF}: 8017.2/69$

- sign 563.192 ± 2.170 $\chi^2/\text{NDF}: 4219.4/34$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 129.698 $\pm$ 1.955 χ^2 /NDF: 506.6/17

Right Out: 150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

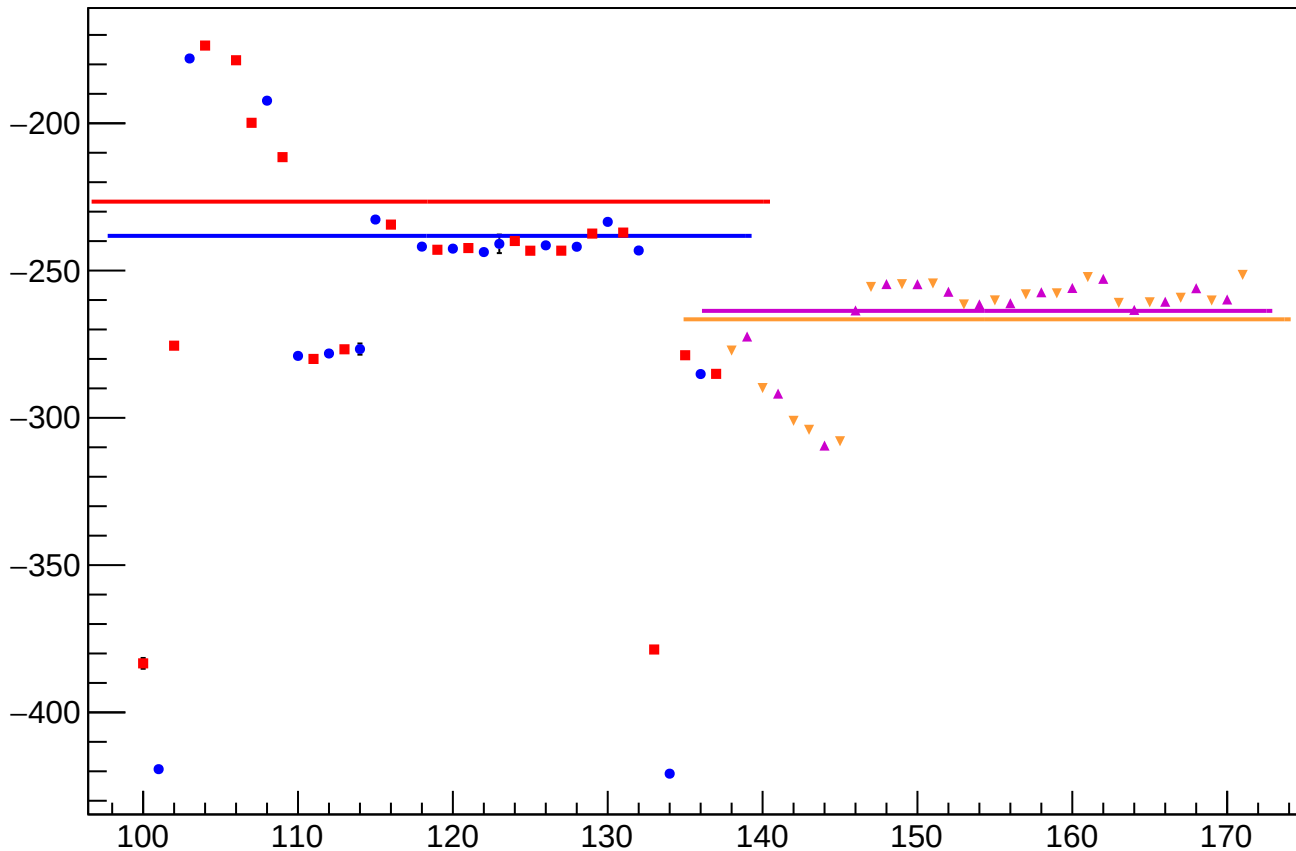
Left In: 127.539 $\pm$ 2.040 χ^2 /NDF: 462.7/15

+ sign 141.977 $\pm$ 1.673 χ^2 /NDF: 1292.3/34

All: 138.291 $\pm$ 1.191 χ^2 /NDF: 2496.2/69

- sign 134.513 $\pm$ 1.694 χ^2 /NDF: 1194.1/34

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -266.551 ± 0.095 χ^2/NDF : 34123.0/17

Right Out: -226.597 ± 0.151 χ^2/NDF : 102562.3/18

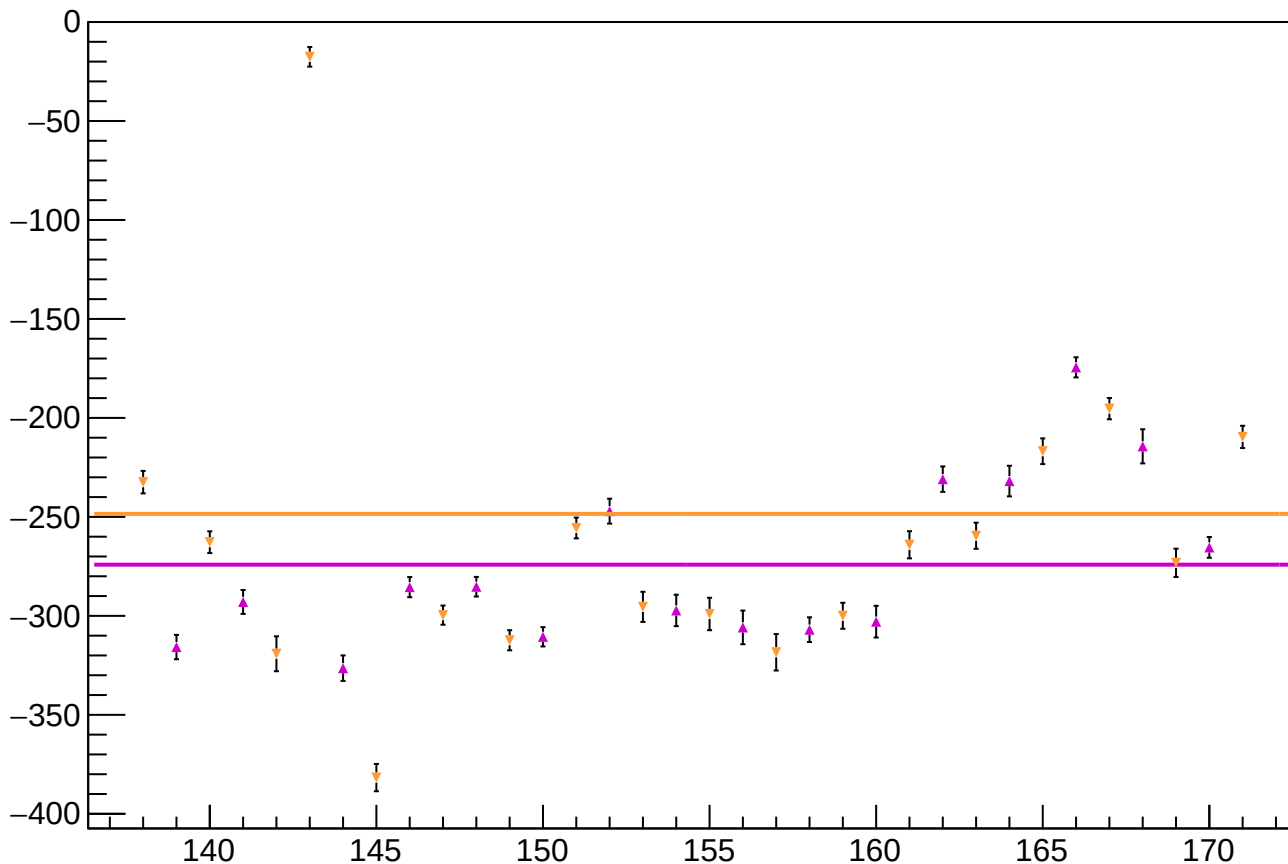
Left In: -263.683 ± 0.097 χ^2/NDF : 20710.7/15

+ sign -259.178 ± 0.082 χ^2/NDF : 224310.6/34

All: -256.010 ± 0.058 χ^2/NDF : 393149.8/69

- sign -252.852 ± 0.082 χ^2/NDF : 165848.0/34

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -248.490+/-1.447 χ^2/NDF : 3287.3/17

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

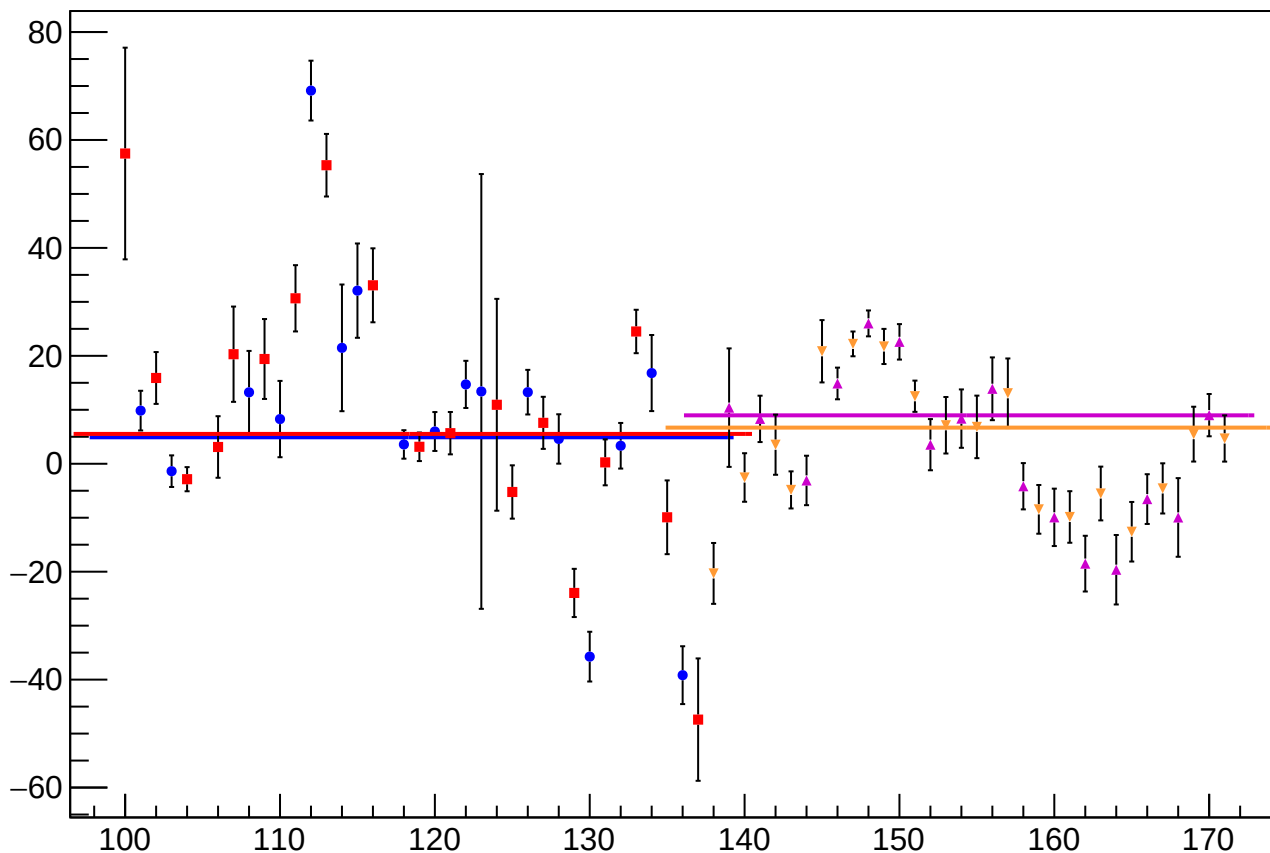
Left In: -274.128+/-1.534 χ^2/NDF : 778.8/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -260.566+/-1.053 χ^2/NDF : 4213.8/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 6.698 ± 0.987 χ^2/NDF : 164.5/17

Right Out: 5.530 ± 1.069 χ^2/NDF : 238.9/18

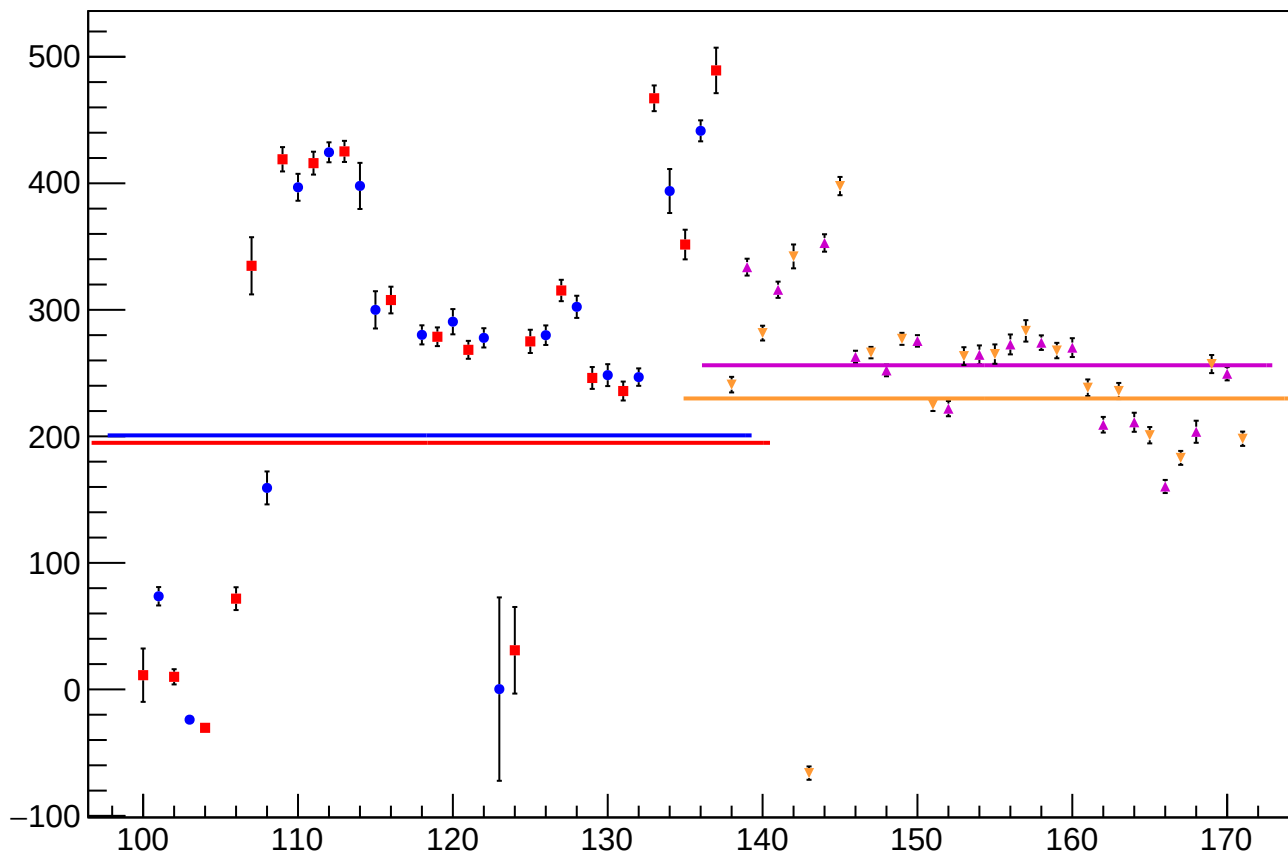
Left In: 8.973 ± 1.064 χ^2/NDF : 168.8/15

+ sign 5.903 ± 0.736 χ^2/NDF : 477.6/34

All: 6.564 ± 0.527 χ^2/NDF : 892.1/69

- sign 7.258 ± 0.754 χ^2/NDF : 412.9/34

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 229.950 $\pm$ 1.430 χ^2 /NDF: 4334.8/17

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

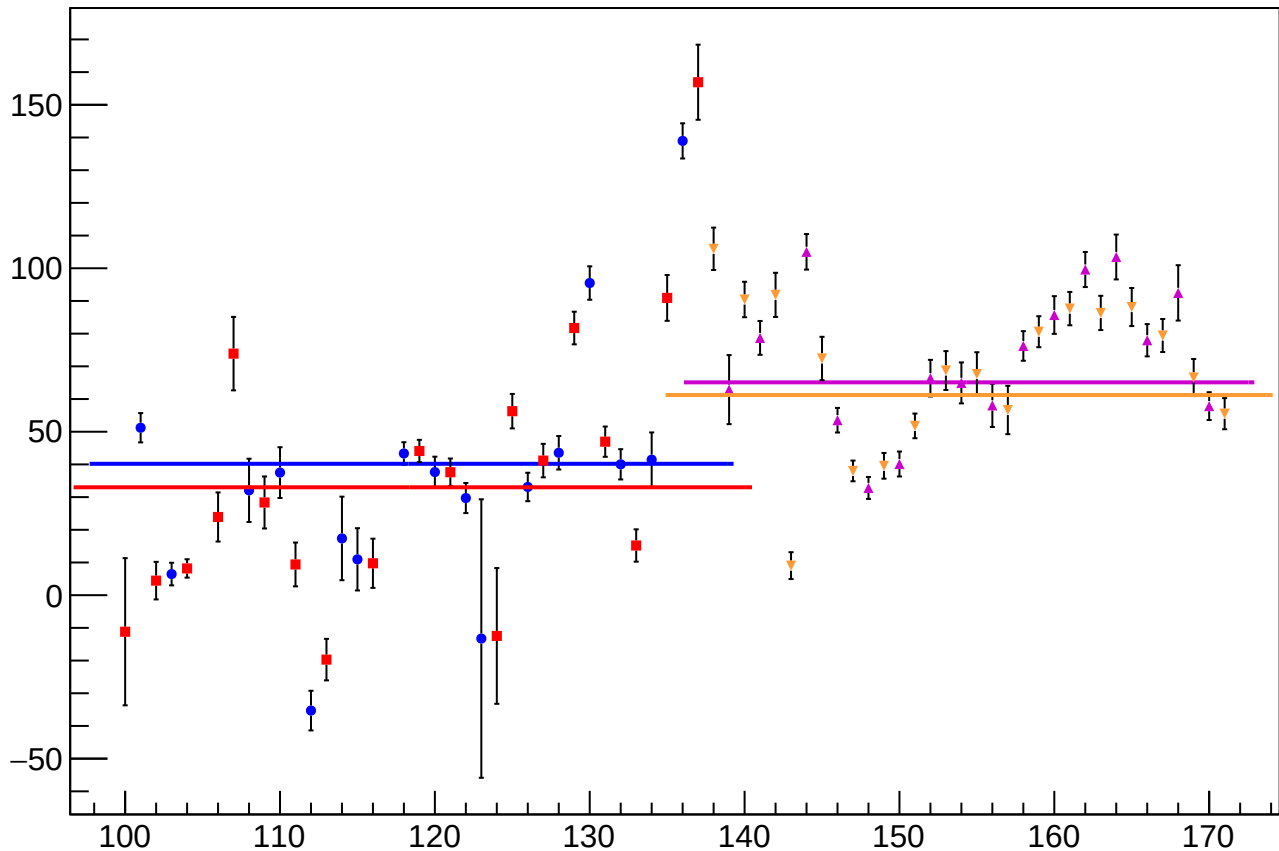
Left In: 256.189 $\pm$ 1.499 χ^2 /NDF: 963.9/15

+ sign 219.967 $\pm$ 1.160 χ^2 /NDF: 11210.2/34

All: 226.377 $\pm$ 0.828 χ^2 /NDF: 21115.2/69

- sign 233.036 $\pm$ 1.182 χ^2 /NDF: 9842.7/34

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 χ^2/NDF : 734.6/16

Left Out: 61.224 ± 1.171 χ^2/NDF : 457.9/17

Right Out: 33.006 ± 1.250 χ^2/NDF : 552.7/18

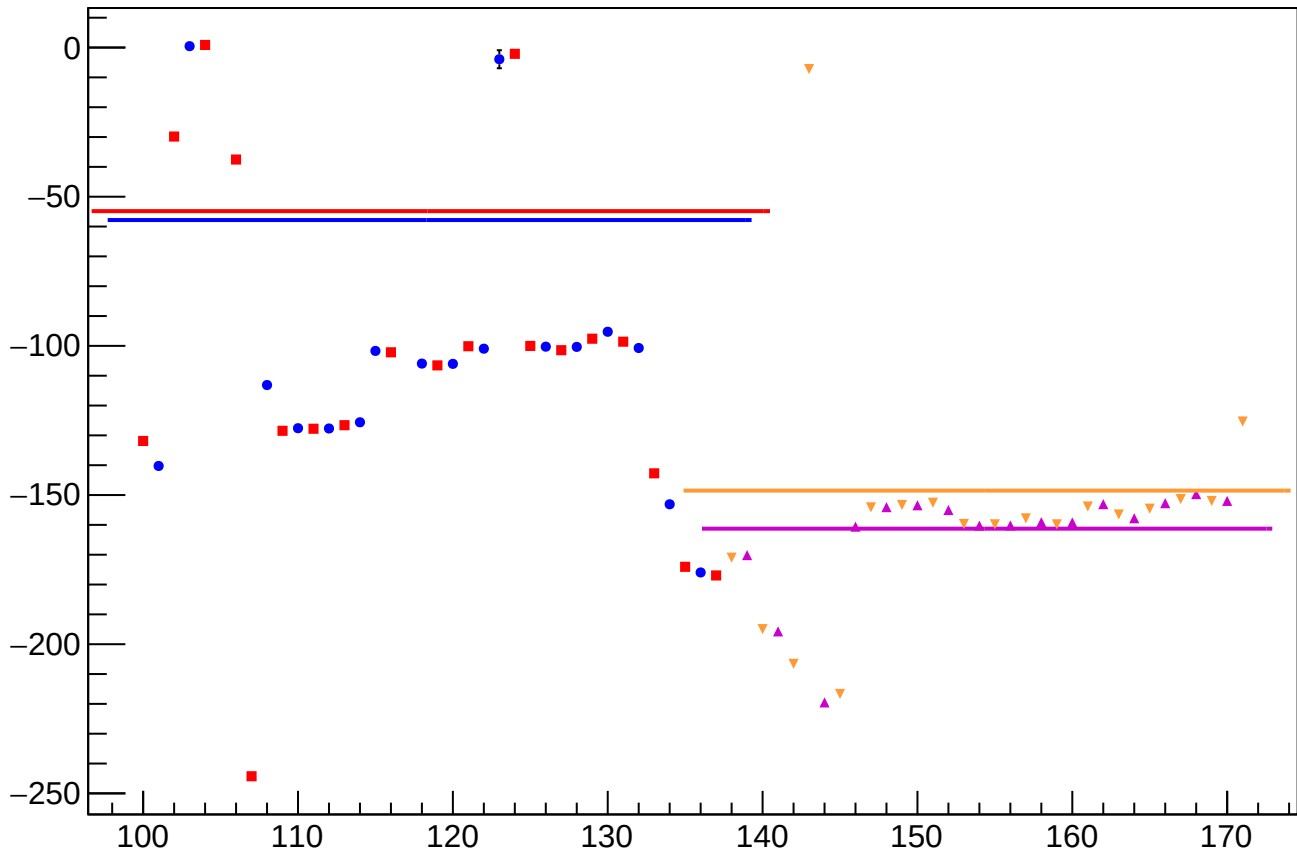
Left In: 65.104 ± 1.257 χ^2/NDF : 318.4/15

+ sign 51.661 ± 0.865 χ^2/NDF : 1339.1/34

All: 50.351 ± 0.619 χ^2/NDF : 2542.8/69

- sign 48.975 ± 0.886 χ^2/NDF : 1199.0/34

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 ± 0.062 χ^2/NDF : 1101296.2/16

Left Out: -148.508 ± 0.057 χ^2/NDF : 594399.1/17

Right Out: -54.833 ± 0.060 χ^2/NDF : 1000741.7/18

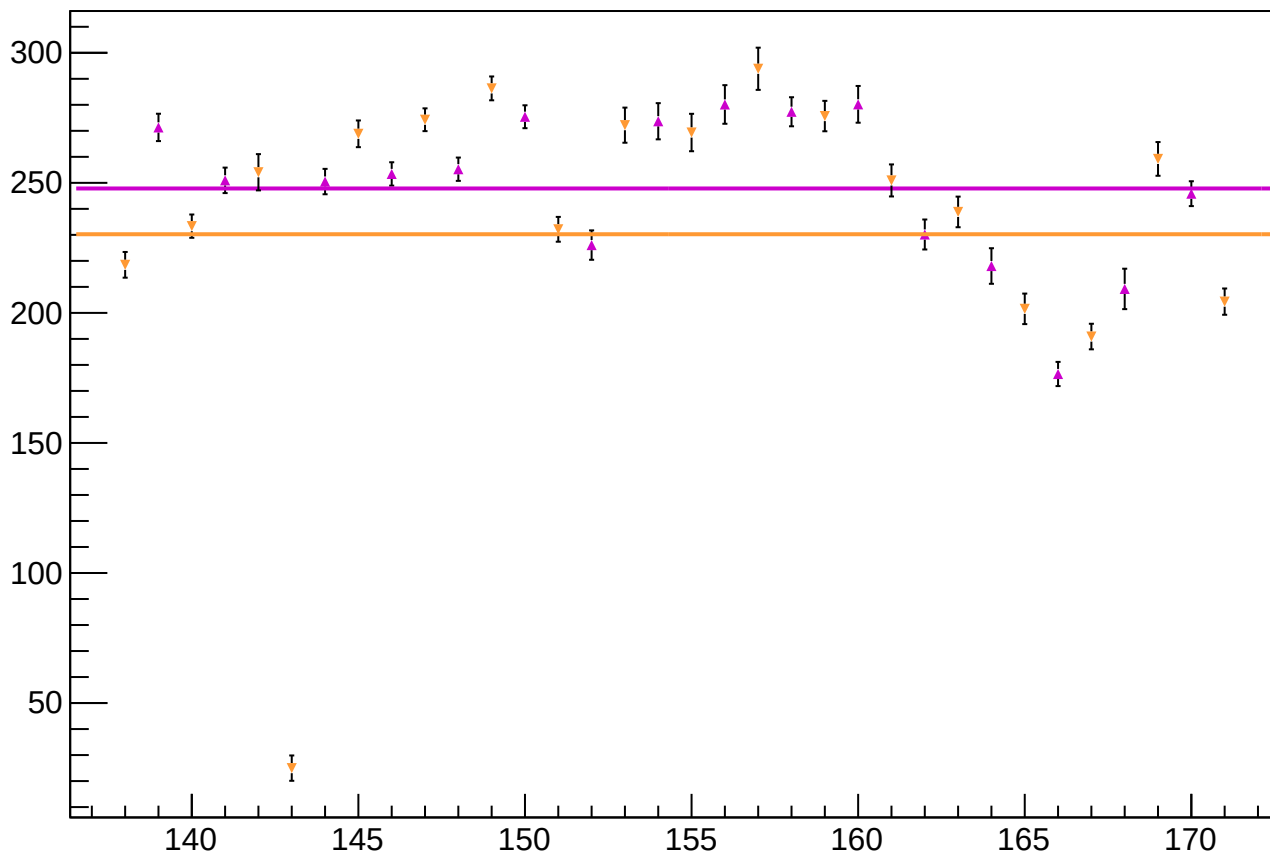
Left In: -161.273 ± 0.060 χ^2/NDF : 66277.5/15

+ sign -106.907 ± 0.042 χ^2/NDF : 2861674.5/34

All: -107.723 ± 0.030 χ^2/NDF : 5505763.0/69

- sign -108.560 ± 0.042 χ^2/NDF : 2643318.4/34

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 230.244+/-1.281 χ^2/NDF :2439.4/17

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

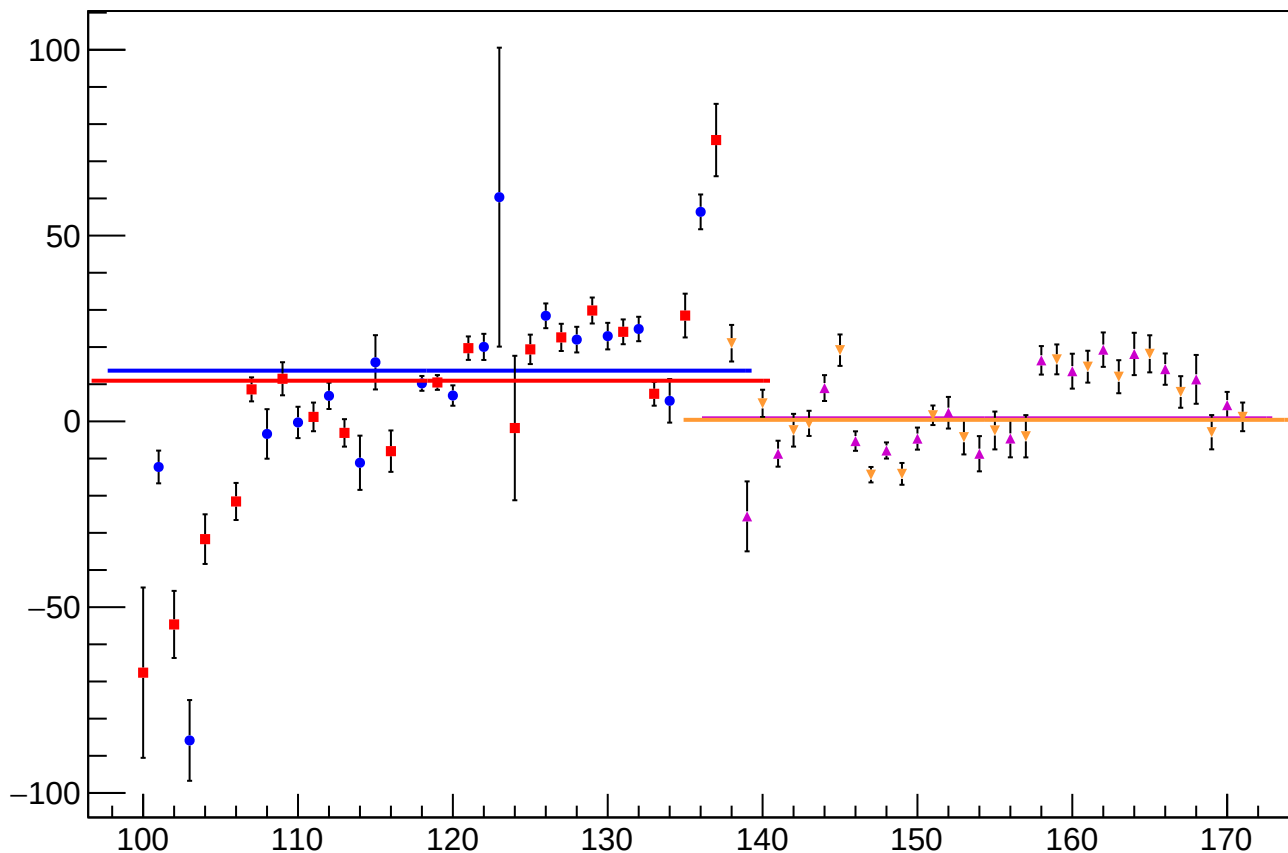
Left In: 247.836+/-1.347 χ^2/NDF :449.0/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 238.597+/-0.928 χ^2/NDF : 2977.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 $\pm$ 0.936 χ^2 /NDF: 294.0/16

Left Out: 0.417 $\pm$ 0.879 χ^2 /NDF: 167.0/17

Right Out: 10.944 $\pm$ 0.913 χ^2 /NDF: 302.5/18

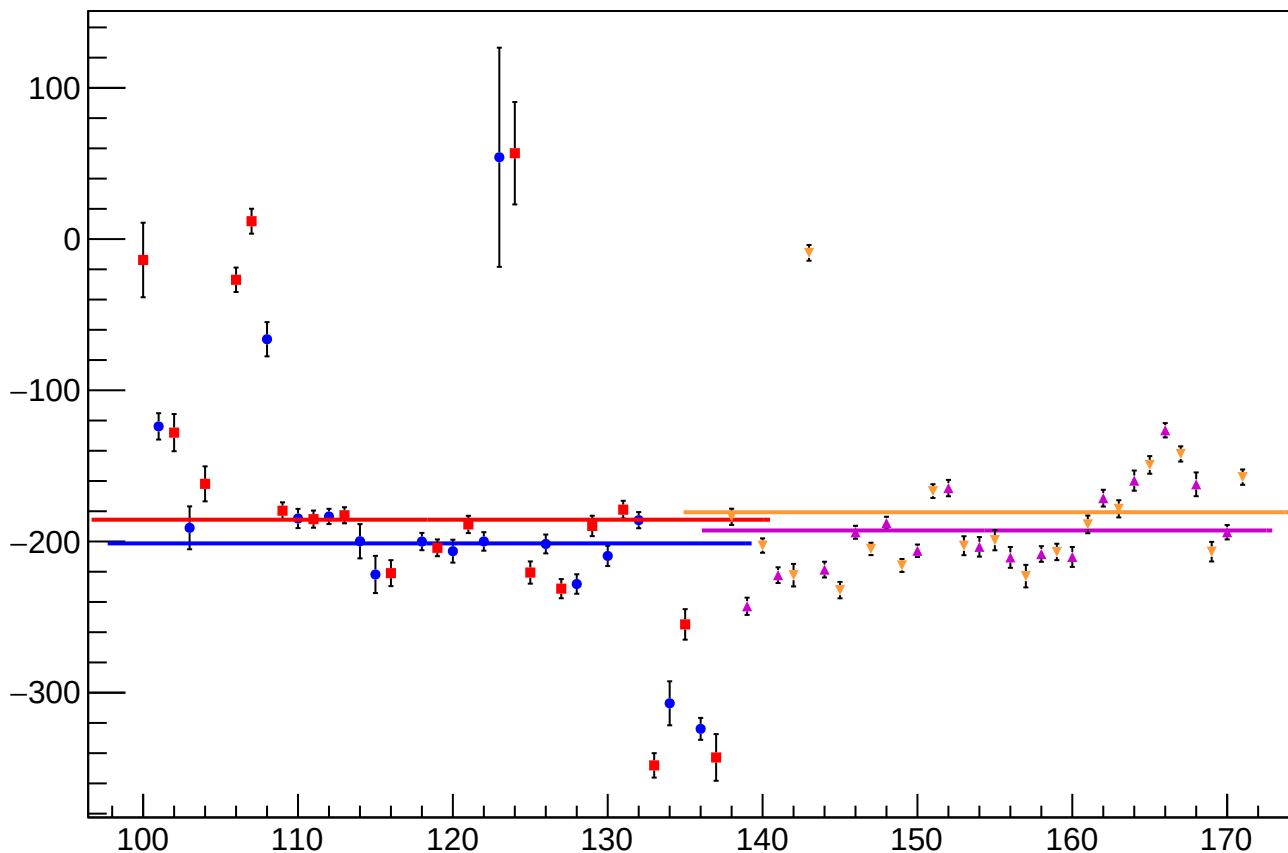
Left In: 0.820 $\pm$ 0.939 χ^2 /NDF: 113.2/15

+ sign 6.616 $\pm$ 0.641 χ^2 /NDF: 567.3/34

All: 6.326 $\pm$ 0.458 χ^2 /NDF: 1043.2/69

- sign 6.023 $\pm$ 0.655 χ^2 /NDF: 475.5/34

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 $\pm$ 1.795 χ^2/NDF : 623.4/16

Left Out: -180.642 $\pm$ 1.268 χ^2/NDF : 1545.9/17

Right Out: -185.593 $\pm$ 1.699 χ^2/NDF : 1746.0/18

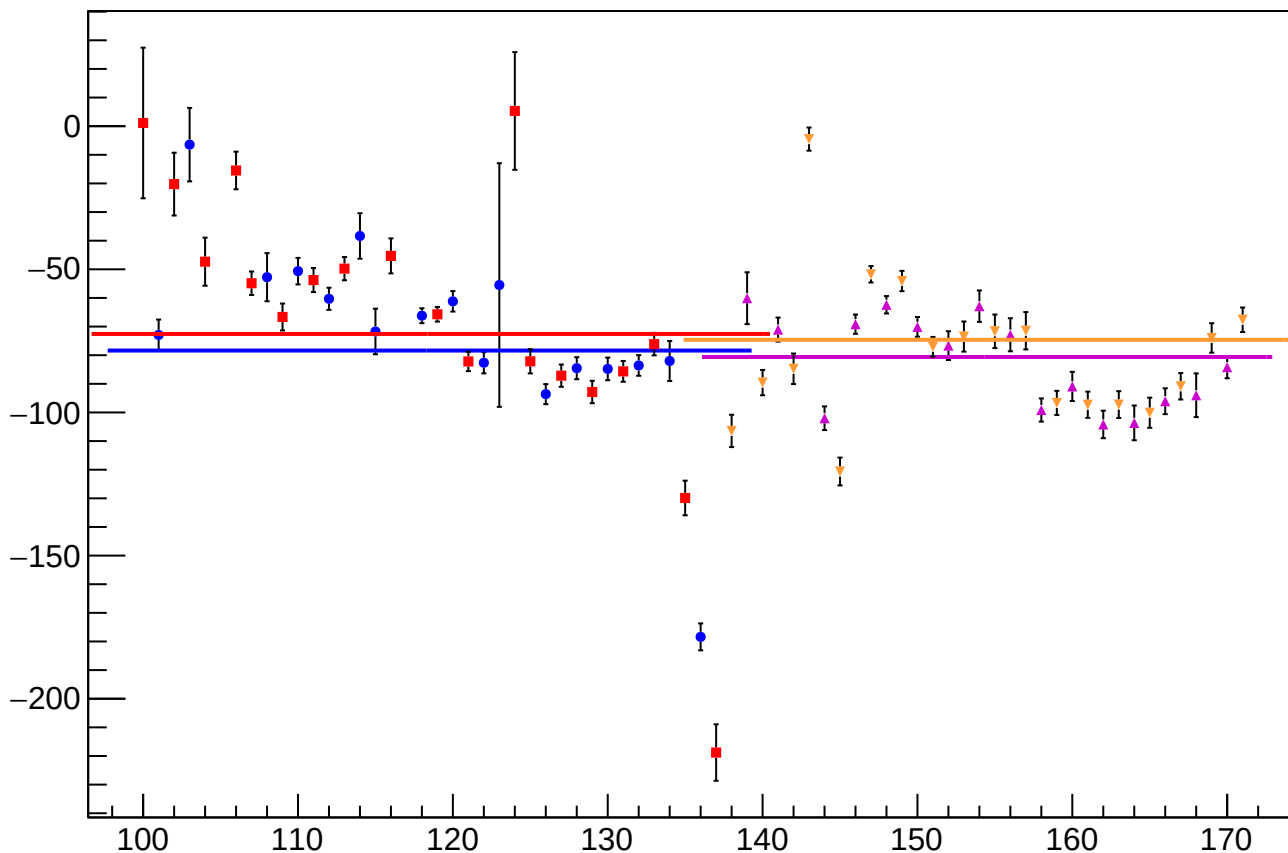
Left In: -192.712 $\pm$ 1.320 χ^2/NDF : 448.9/15

+ sign -187.509 $\pm$ 1.036 χ^2/NDF : 2257.4/34

All: -188.763 $\pm$ 0.735 χ^2/NDF : 4466.2/69

- sign -190.032 $\pm$ 1.043 χ^2/NDF : 2205.8/34

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 $\pm$ 1.081 χ^2/NDF : 651.4/16

Left Out: -74.612 $\pm$ 1.042 χ^2/NDF : 648.7/17

Right Out: -72.577 $\pm$ 1.052 χ^2/NDF : 605.8/18

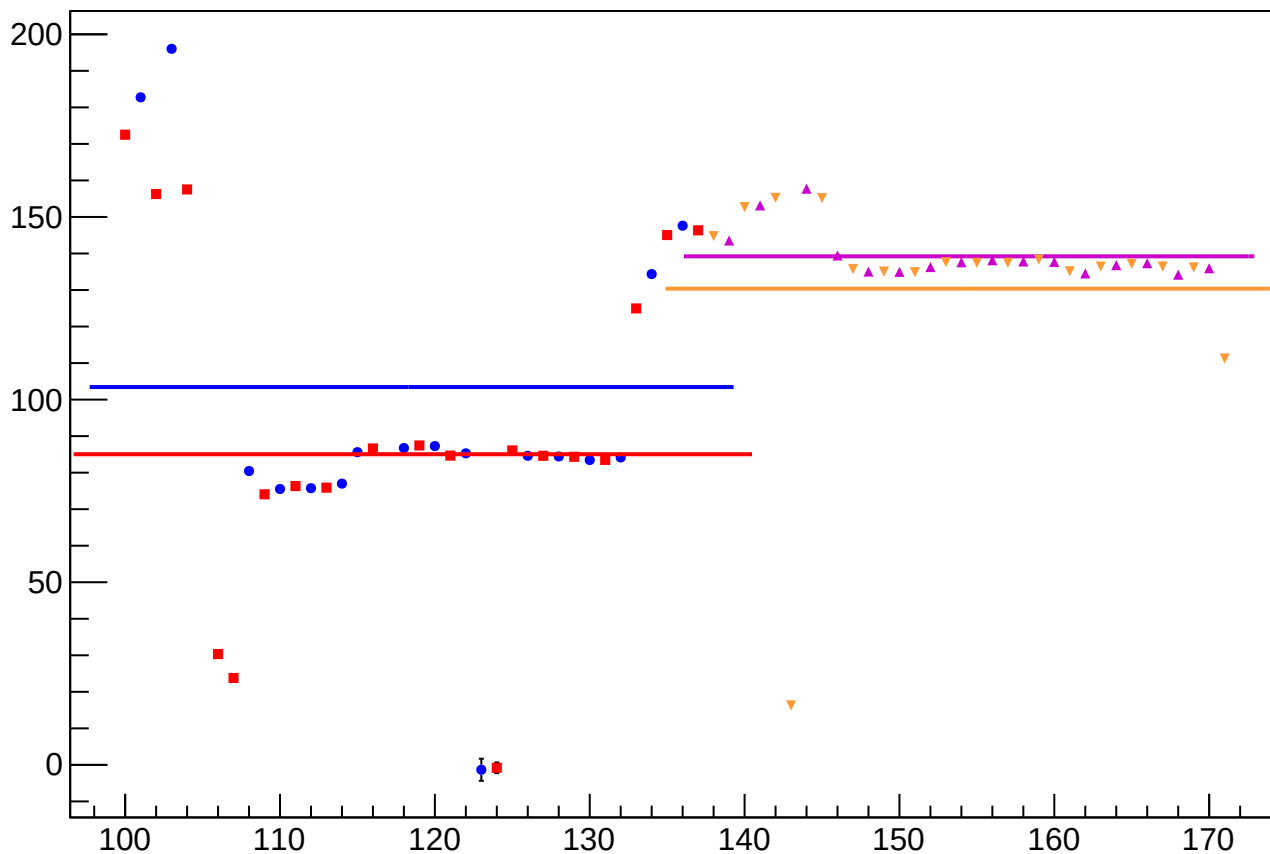
Left In: -80.625 $\pm$ 1.108 χ^2/NDF : 186.1/15

+ sign -76.424 $\pm$ 0.750 χ^2/NDF : 1306.3/34

All: -76.408 $\pm$ 0.535 χ^2/NDF : 2126.1/69

- sign -76.391 $\pm$ 0.763 χ^2/NDF : 819.7/34

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 130.365 $\pm$ 0.050 χ^2 /NDF: 358608.3/17

Right Out: 85.043 $\pm$ 0.064 χ^2 /NDF: 422343.0/18

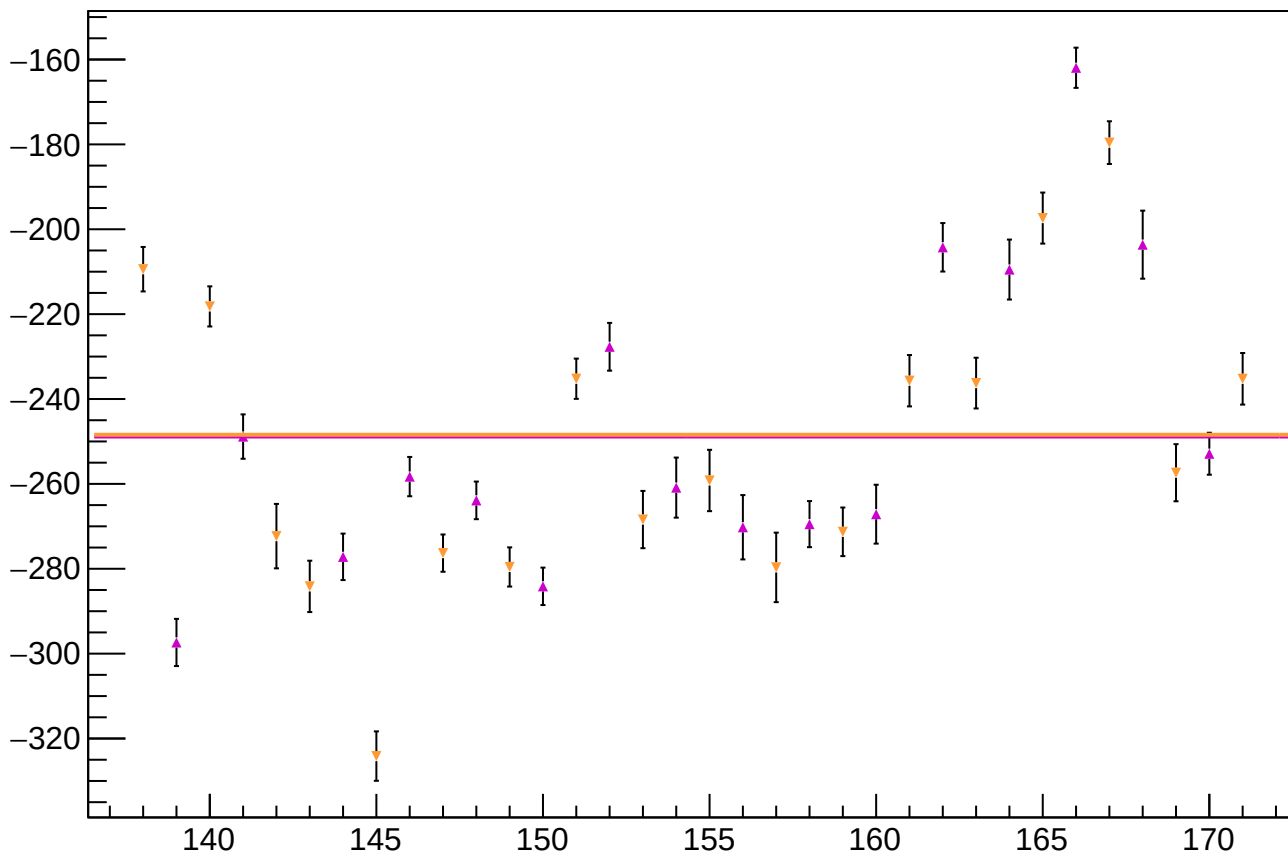
Left In: 139.223 $\pm$ 0.053 χ^2 /NDF: 14165.2/15

+ sign 121.317 $\pm$ 0.041 χ^2 /NDF: 727237.1/34

All: 119.277 $\pm$ 0.029 χ^2 /NDF: 1598645.6/69

- sign 117.290 $\pm$ 0.041 χ^2 /NDF: 866543.7/34

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -248.429+/-1.340 χ^2/NDF : 719.2/17

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

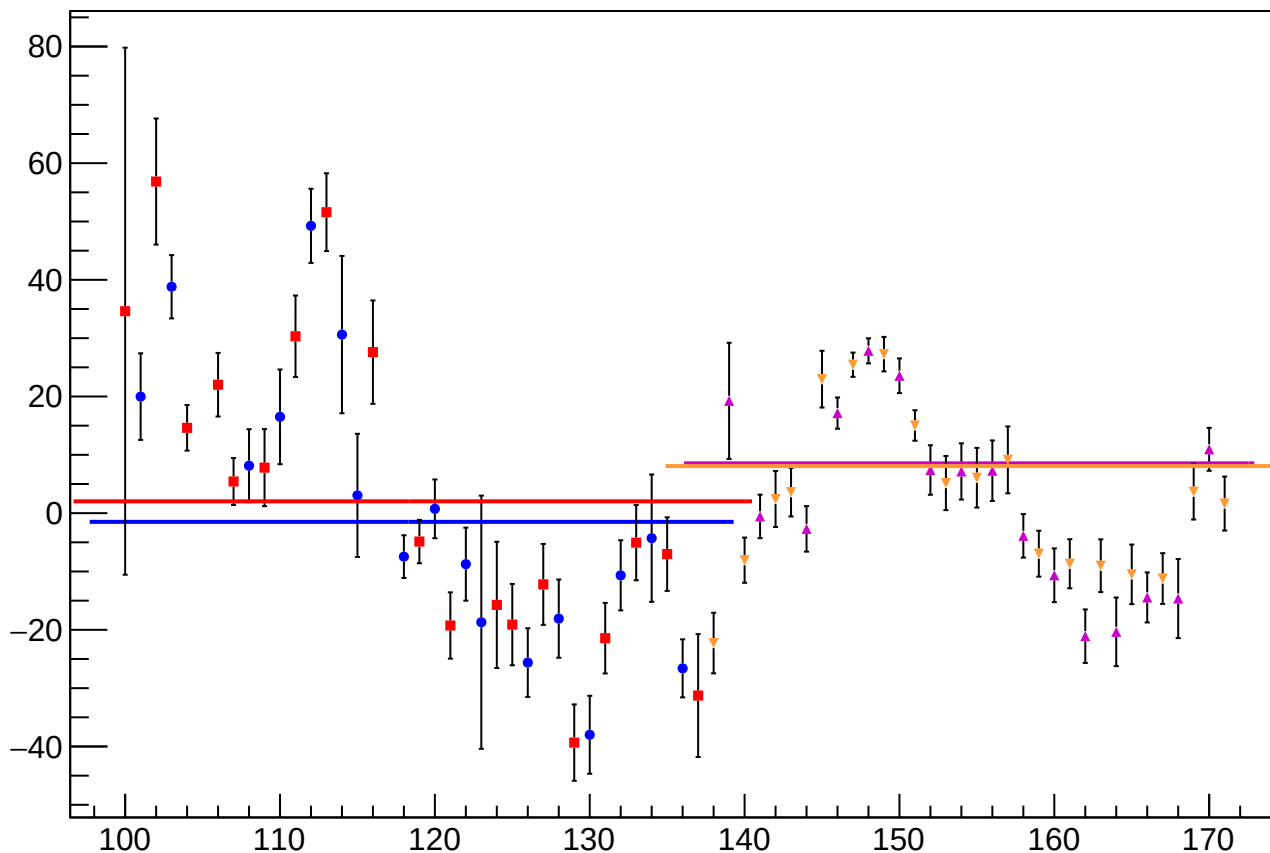
Left In: -248.831+/-1.378 χ^2/NDF : 690.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -248.624+/-0.961 χ^2/NDF : 1409.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 8.071 ± 0.911 χ^2/NDF : 263.2/17

Right Out: 2.028 ± 1.400 χ^2/NDF : 233.3/18

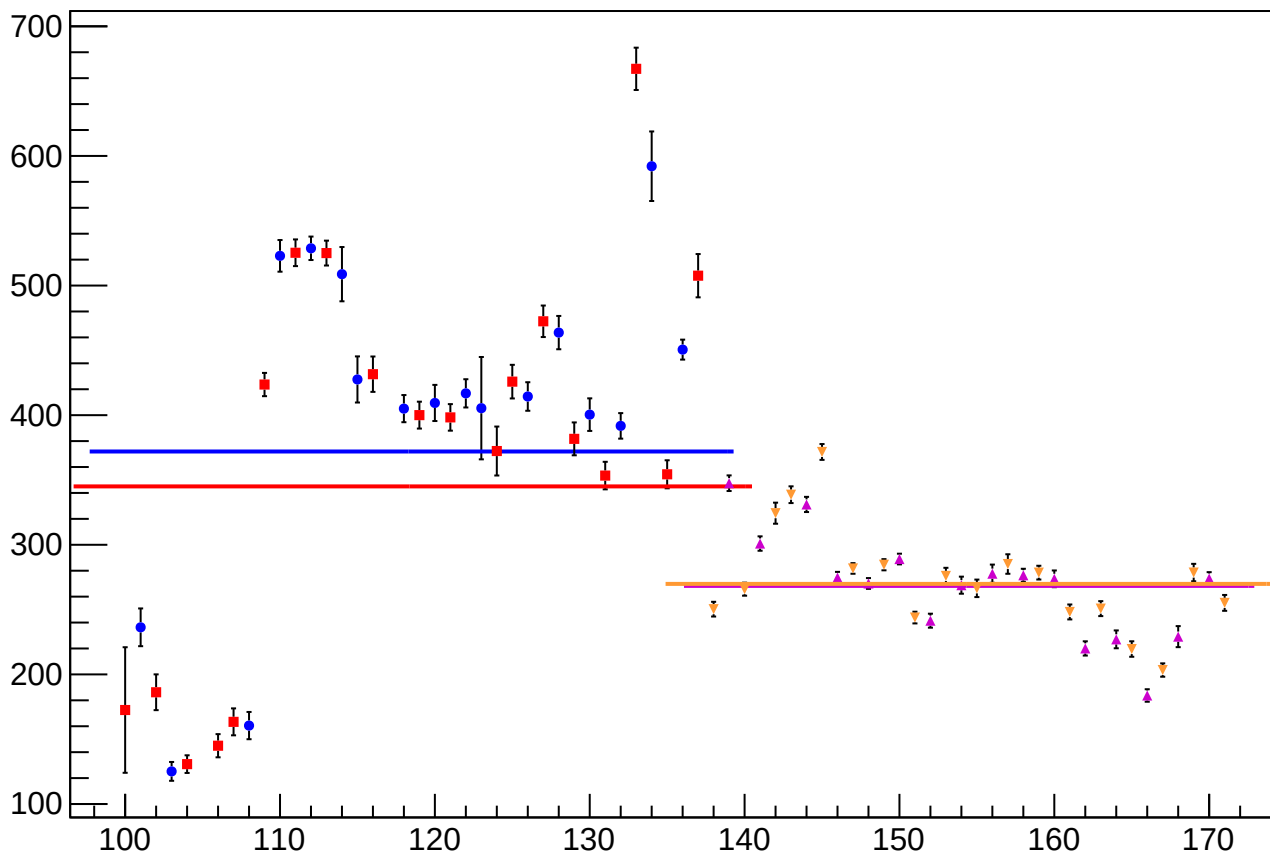
Left In: 8.541 ± 0.955 χ^2/NDF : 267.0/15

+ sign 5.584 ± 0.783 χ^2/NDF : 517.8/34

All: 6.026 ± 0.556 χ^2/NDF : 1033.6/69

- sign 6.473 ± 0.789 χ^2/NDF : 515.1/34

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 269.826 $\pm$ 1.320 χ^2 /NDF: 779.1/17

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

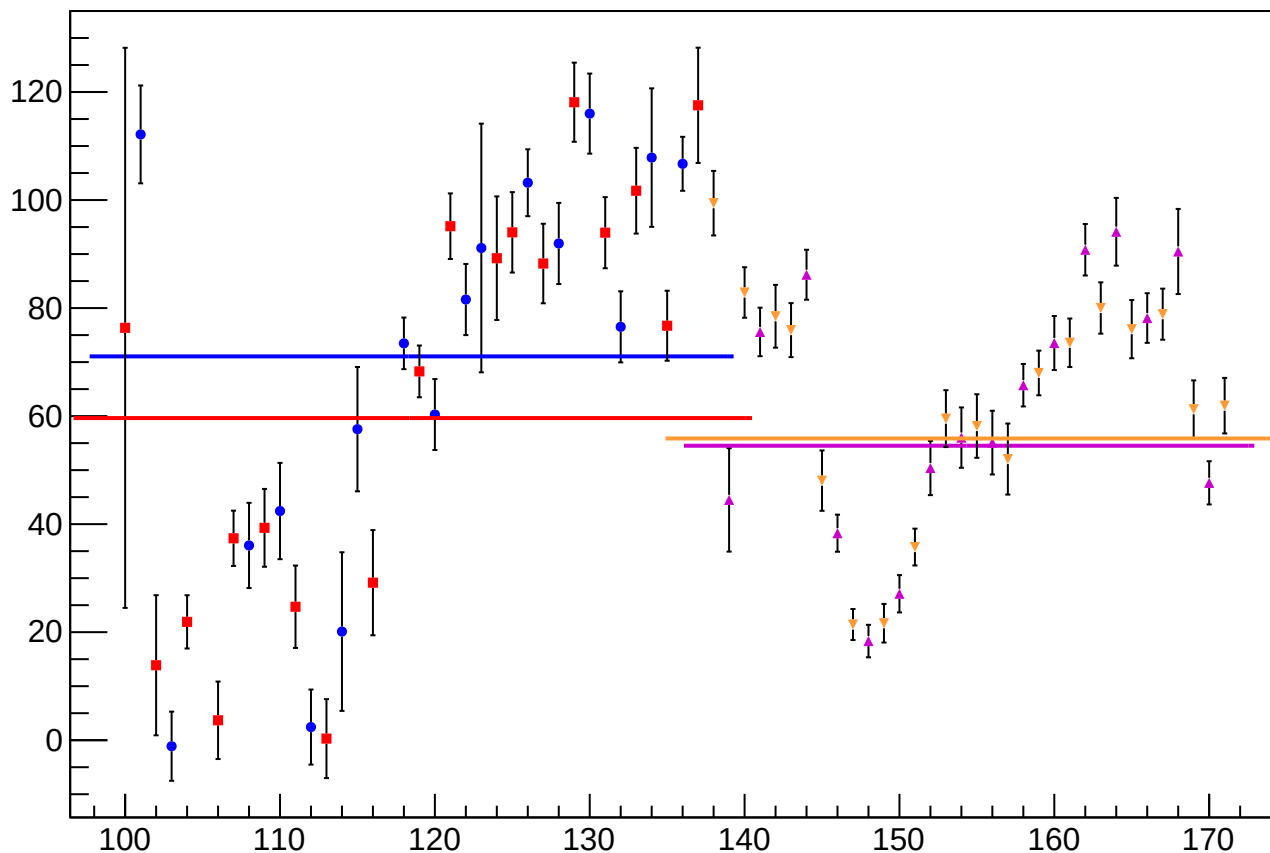
Left In: 268.278 $\pm$ 1.346 χ^2 /NDF: 824.7/15

+ sign 288.653 $\pm$ 1.192 χ^2 /NDF: 4314.9/34

All: 286.771 $\pm$ 0.843 χ^2 /NDF: 9263.2/69

- sign 284.891 $\pm$ 1.192 χ^2 /NDF: 4943.4/34

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 55.860 $\pm$ 1.082 χ^2 /NDF: 481.5/17

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

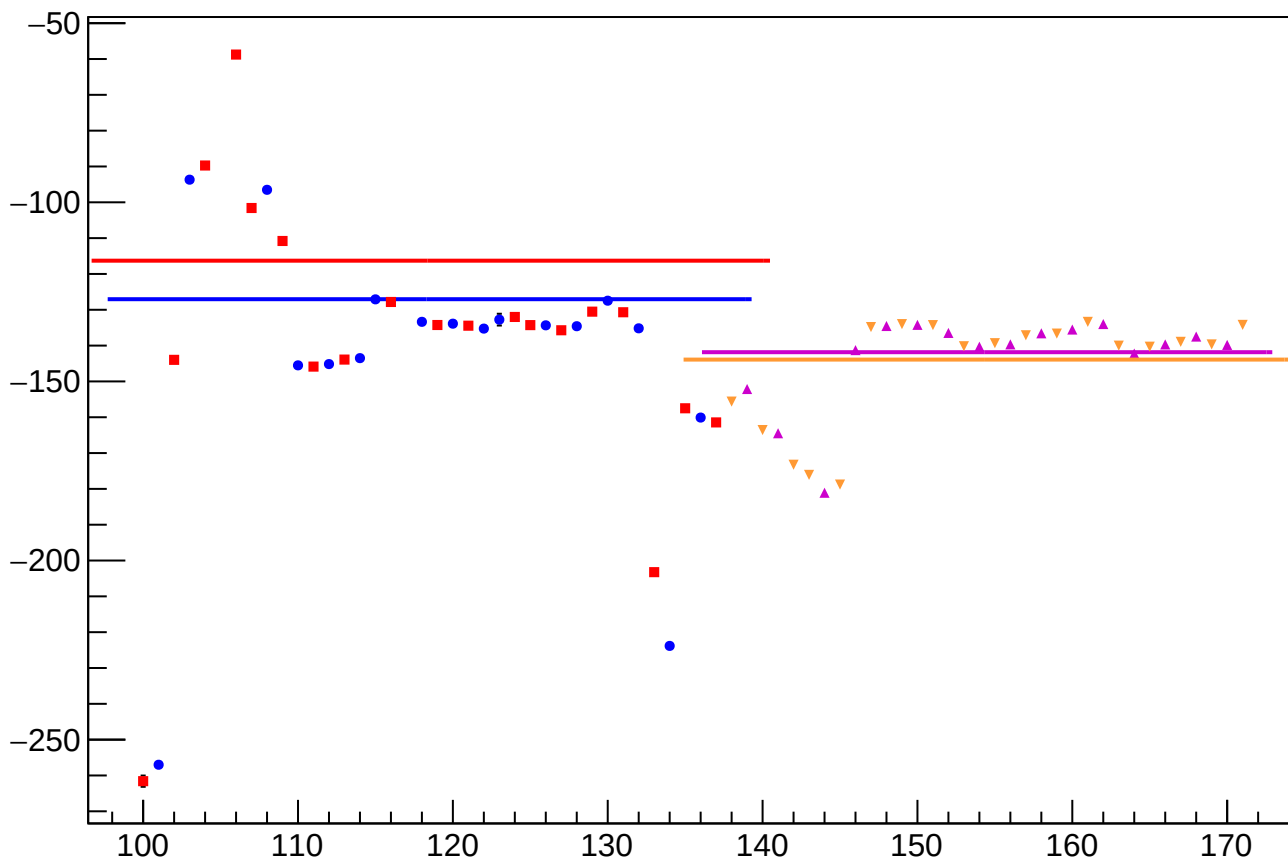
Left In: 54.517 $\pm$ 1.127 χ^2 /NDF: 471.4/15

+ sign 60.016 $\pm$ 0.922 χ^2 /NDF: 961.6/34

All: 58.103 $\pm$ 0.654 χ^2 /NDF: 1939.9/69

- sign 56.171 $\pm$ 0.927 χ^2 /NDF: 969.7/34

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -143.907+/-0.053 χ^2/NDF : 71012.2/17

Right Out: -116.295+/-0.083 χ^2/NDF : 167109.1/18

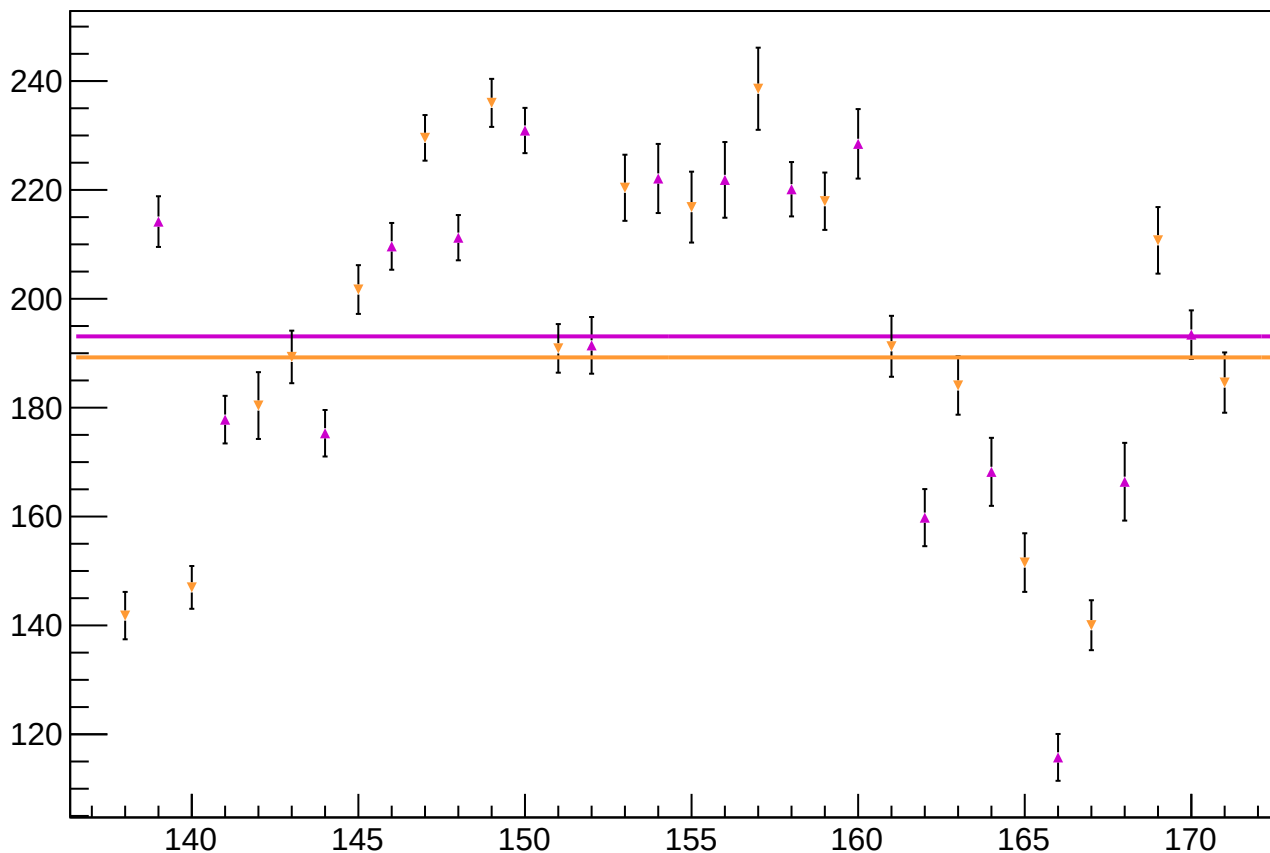
Left In: -141.842+/-0.054 χ^2/NDF : 43571.4/15

+ sign -139.597+/-0.045 χ^2/NDF : 264271.1/34

All: -136.940+/-0.032 χ^2/NDF : 548642.3/69

- sign -134.328+/-0.045 χ^2/NDF : 277576.2/34

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 189.237+/-1.189 χ^2/NDF : 744.2/17

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

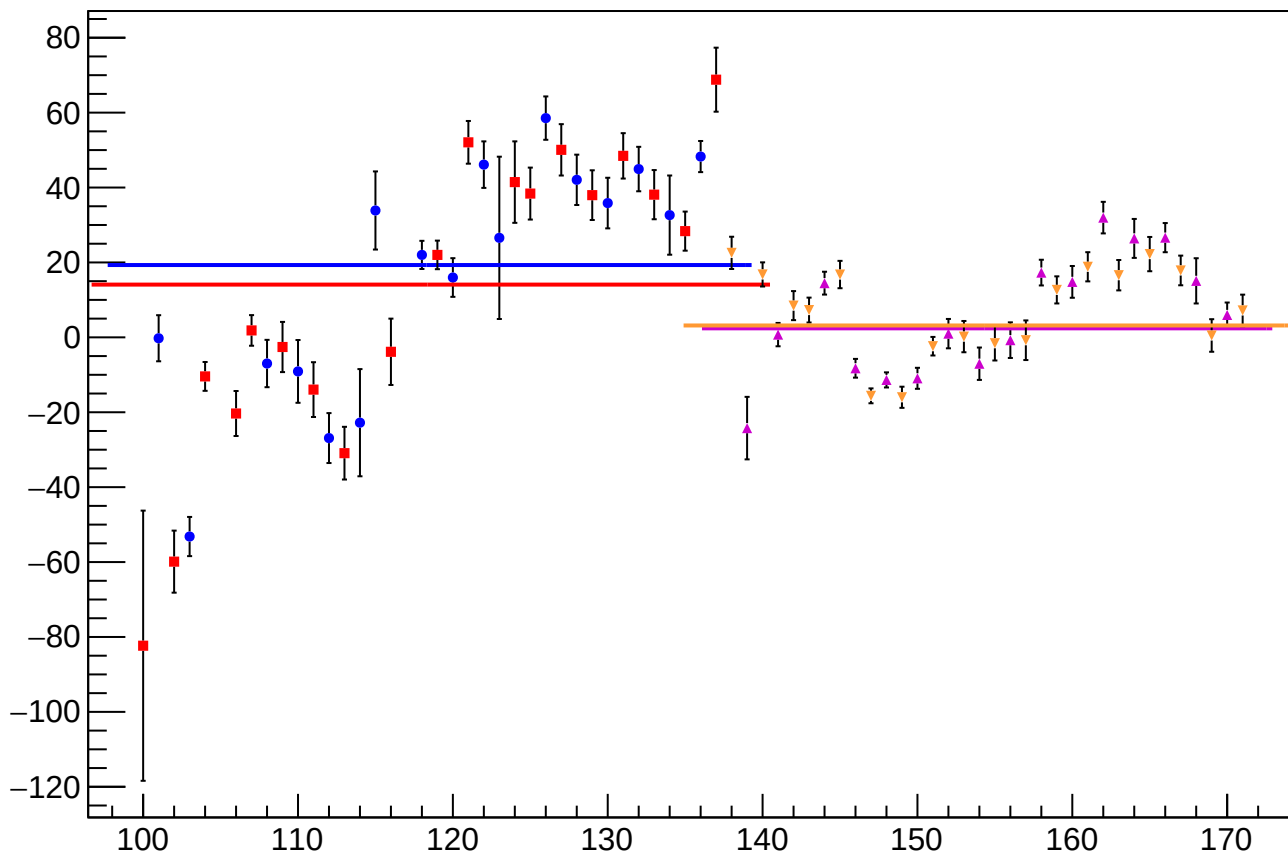
Left In: 193.095+/-1.235 χ^2/NDF : 658.1/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 191.093+/-0.856 χ^2/NDF : 1407.4/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 3.170 ± 0.820 χ^2/NDF : 264.6/17

Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

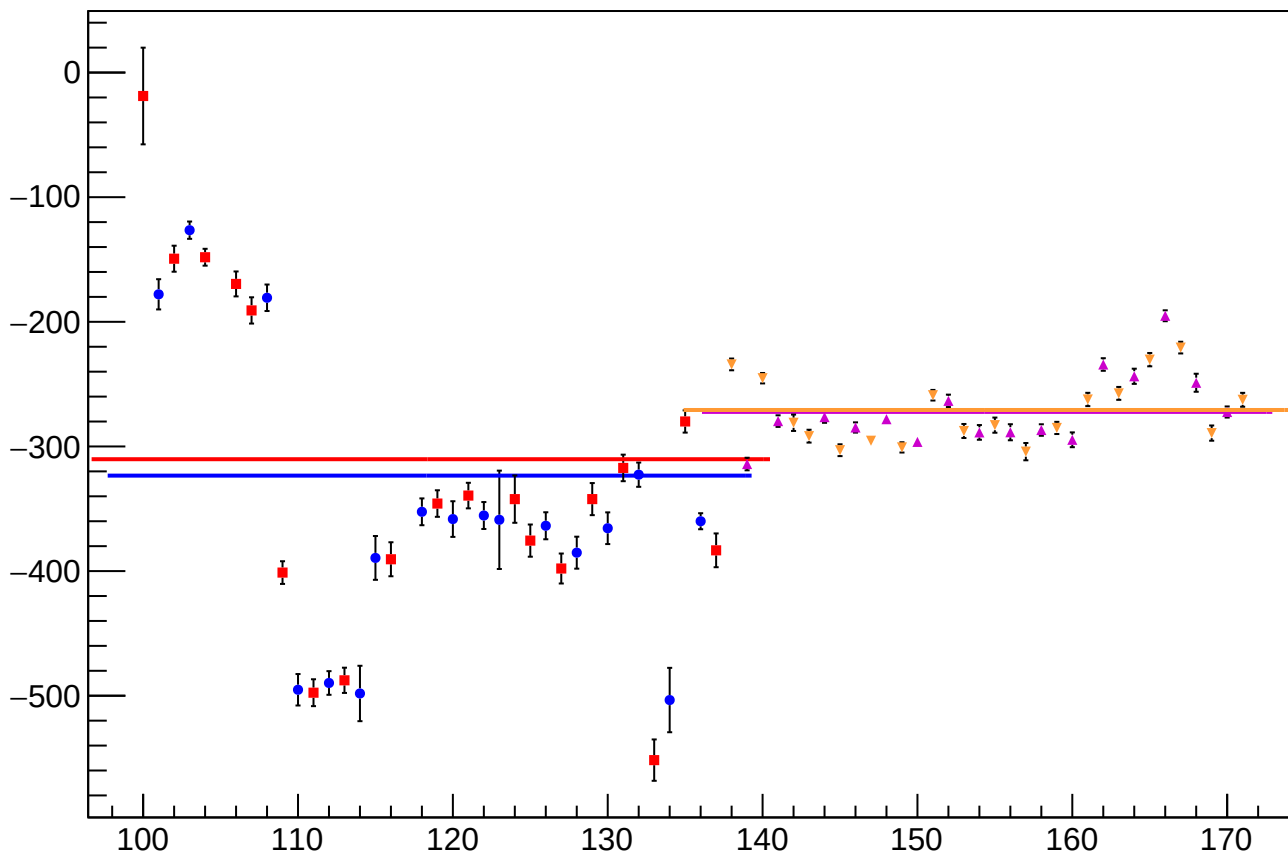
Left In: 2.403 ± 0.864 χ^2/NDF : 261.0/15

+ sign 6.880 ± 0.719 χ^2/NDF : 794.9/34

All: 6.283 ± 0.514 χ^2/NDF : 1545.1/69

- sign 5.662 ± 0.734 χ^2/NDF : 748.8/34

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -270.743 ± 1.179 $\chi^2/\text{NDF}: 498.8/17$

Right Out: -310.236 ± 2.523 $\chi^2/\text{NDF}: 2298.8/18$

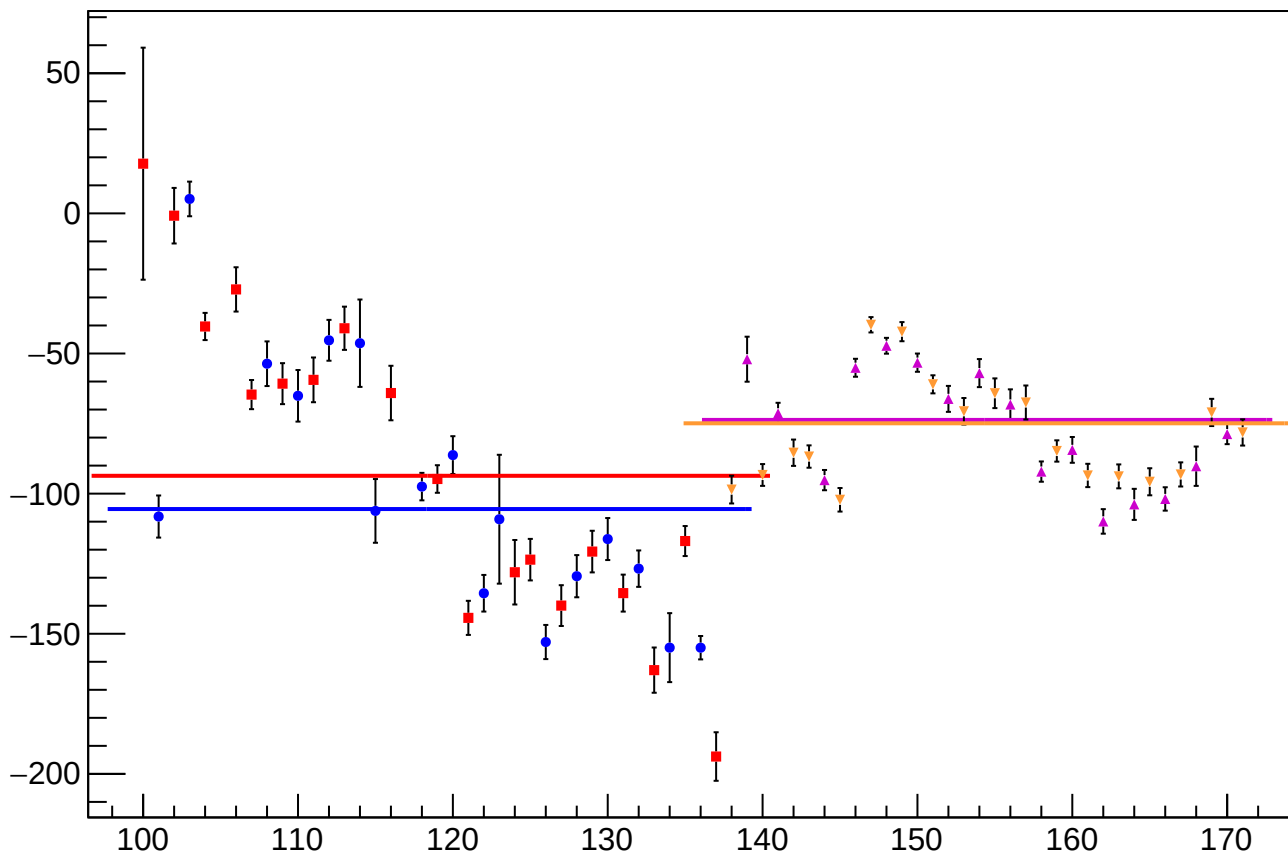
Left In: -272.281 ± 1.212 $\chi^2/\text{NDF}: 562.7/15$

+ sign -279.260 ± 1.079 $\chi^2/\text{NDF}: 2671.1/34$

All: -279.327 ± 0.768 $\chi^2/\text{NDF}: 5716.4/69$

- sign -279.395 ± 1.092 $\chi^2/\text{NDF}: 3045.4/34$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -74.907 ± 0.971 χ^2/NDF : 467.2/17

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

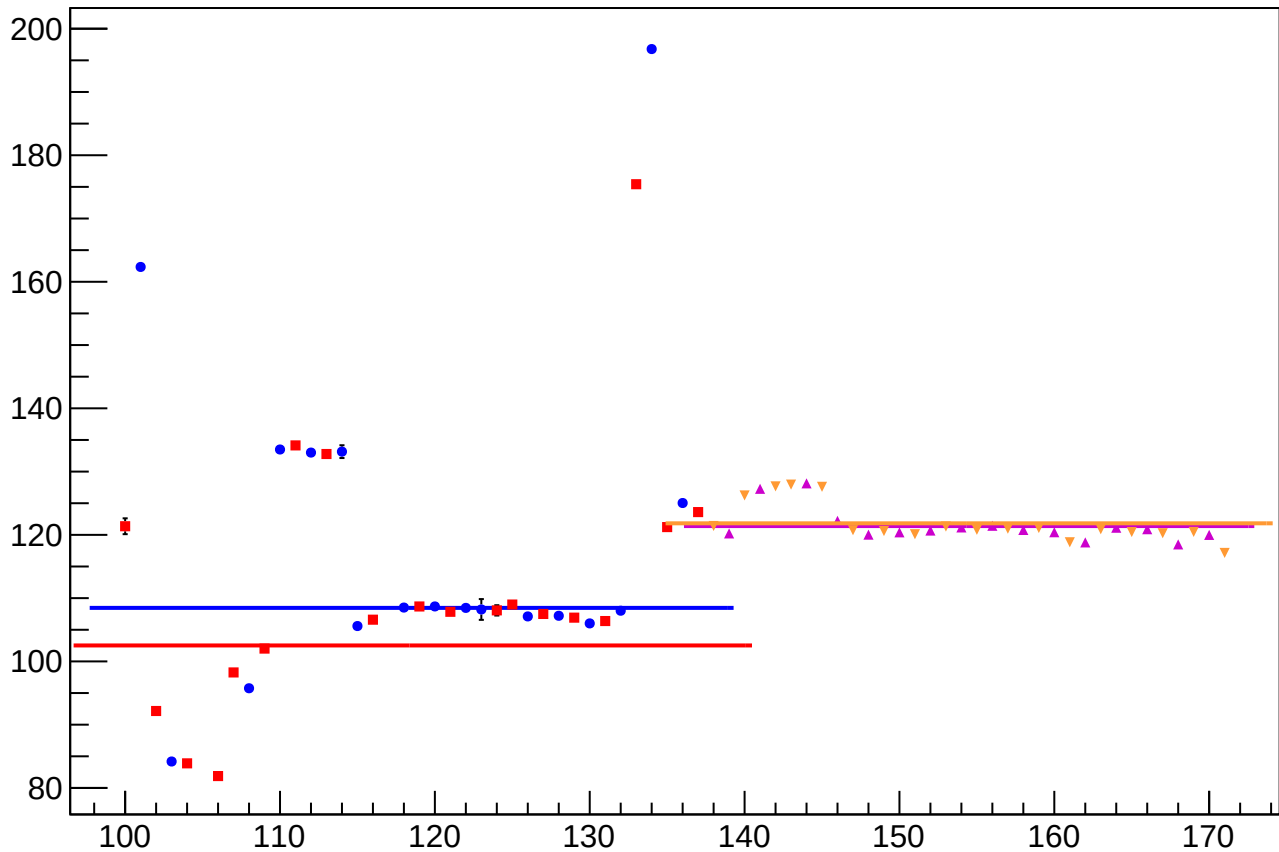
Left In: -73.696 ± 1.018 χ^2/NDF : 401.4/15

+ sign -82.350 ± 0.844 χ^2/NDF : 1446.1/34

All: -80.899 ± 0.603 χ^2/NDF : 2790.1/69

- sign -79.393 ± 0.861 χ^2/NDF : 1338.0/34

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 121.825 $\pm$ 0.047 χ^2 /NDF: 4085.7/17

Right Out: 102.521 $\pm$ 0.080 χ^2 /NDF: 52992.1/18

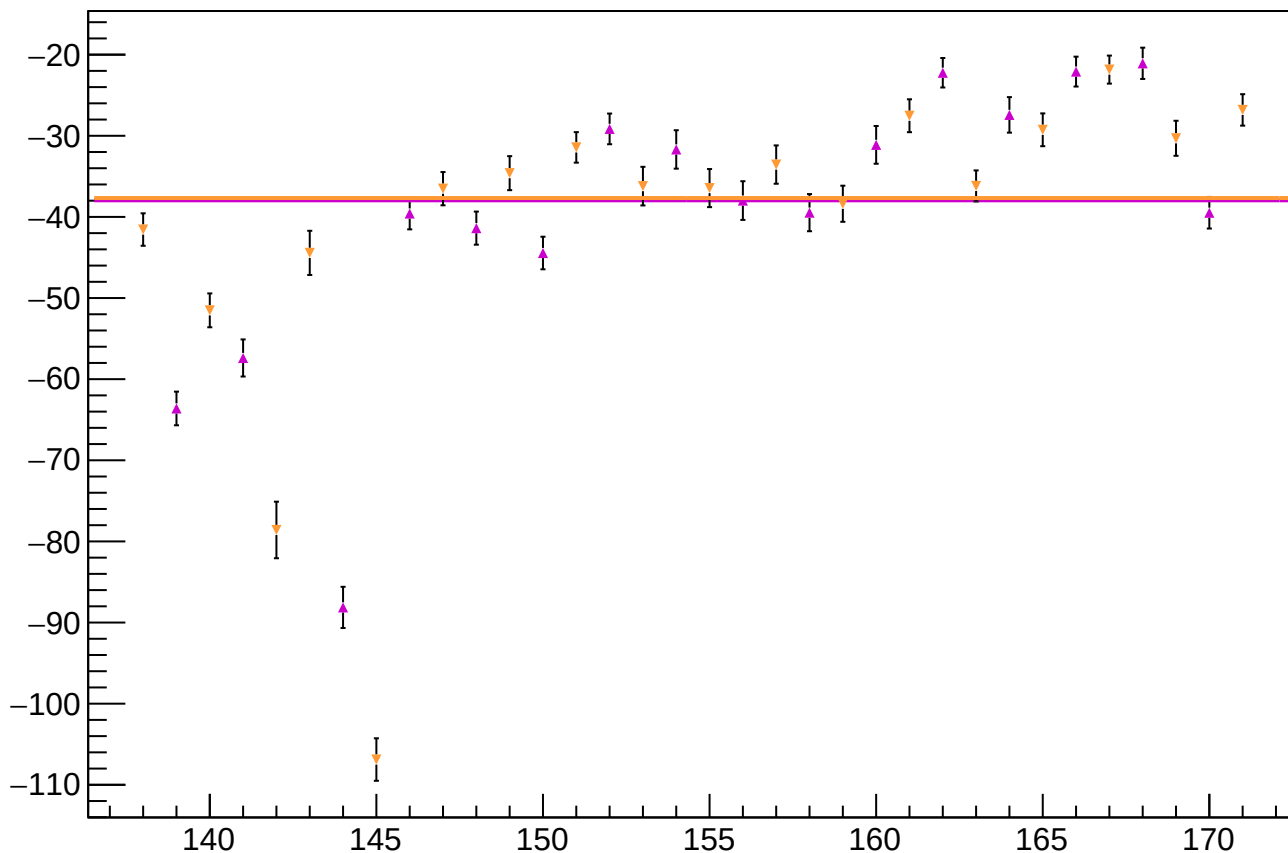
Left In: 121.390 $\pm$ 0.048 χ^2 /NDF: 2696.6/15

+ sign 118.704 $\pm$ 0.041 χ^2 /NDF: 96338.1/34

All: 117.520 $\pm$ 0.029 χ^2 /NDF: 194862.5/69

- sign 116.327 $\pm$ 0.041 χ^2 /NDF: 96854.8/34

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -37.673+/-0.506 χ^2/NDF : 1077.3/17

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

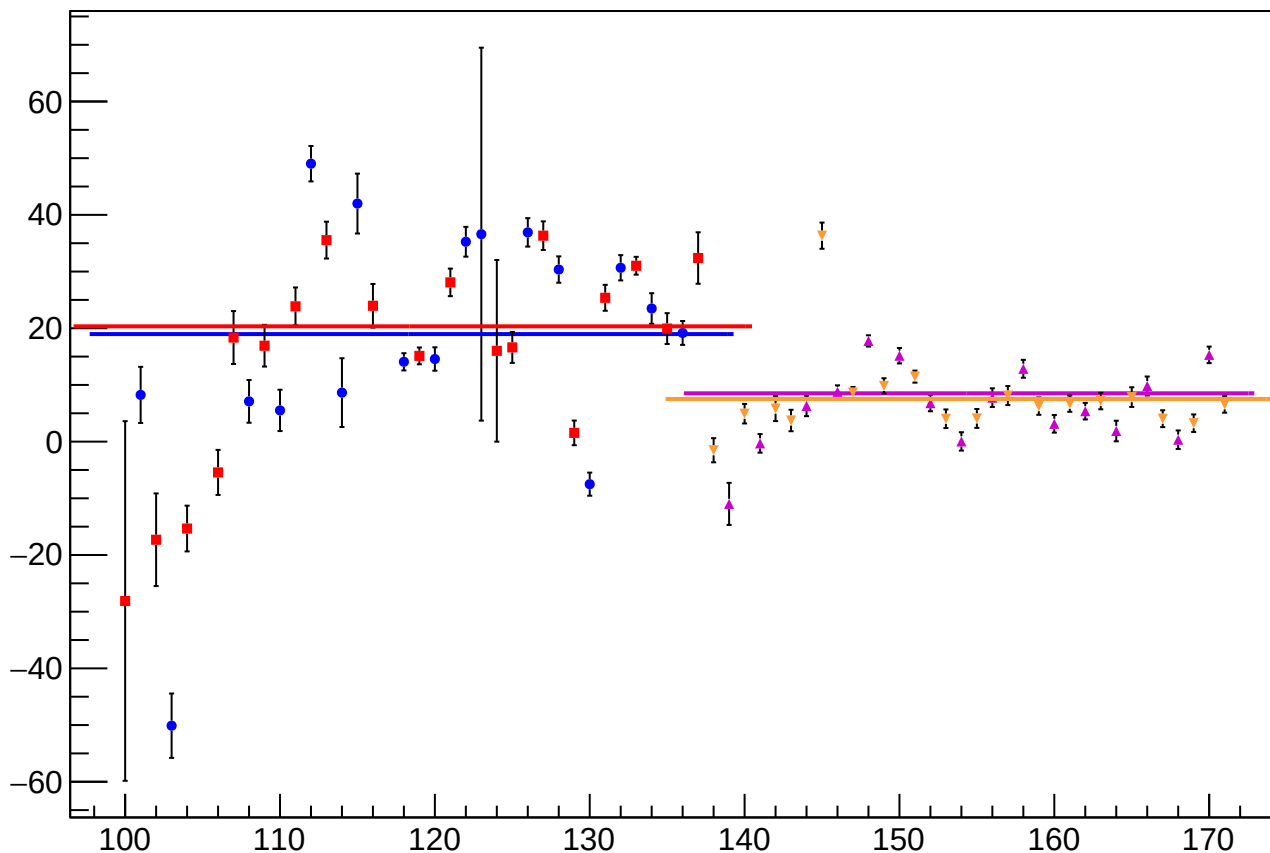
Left In: -37.951+/-0.521 χ^2/NDF : 917.2/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -37.808+/-0.363 χ^2/NDF : 1994.6/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 7.523 ± 0.357 χ^2/NDF : 221.9/17

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

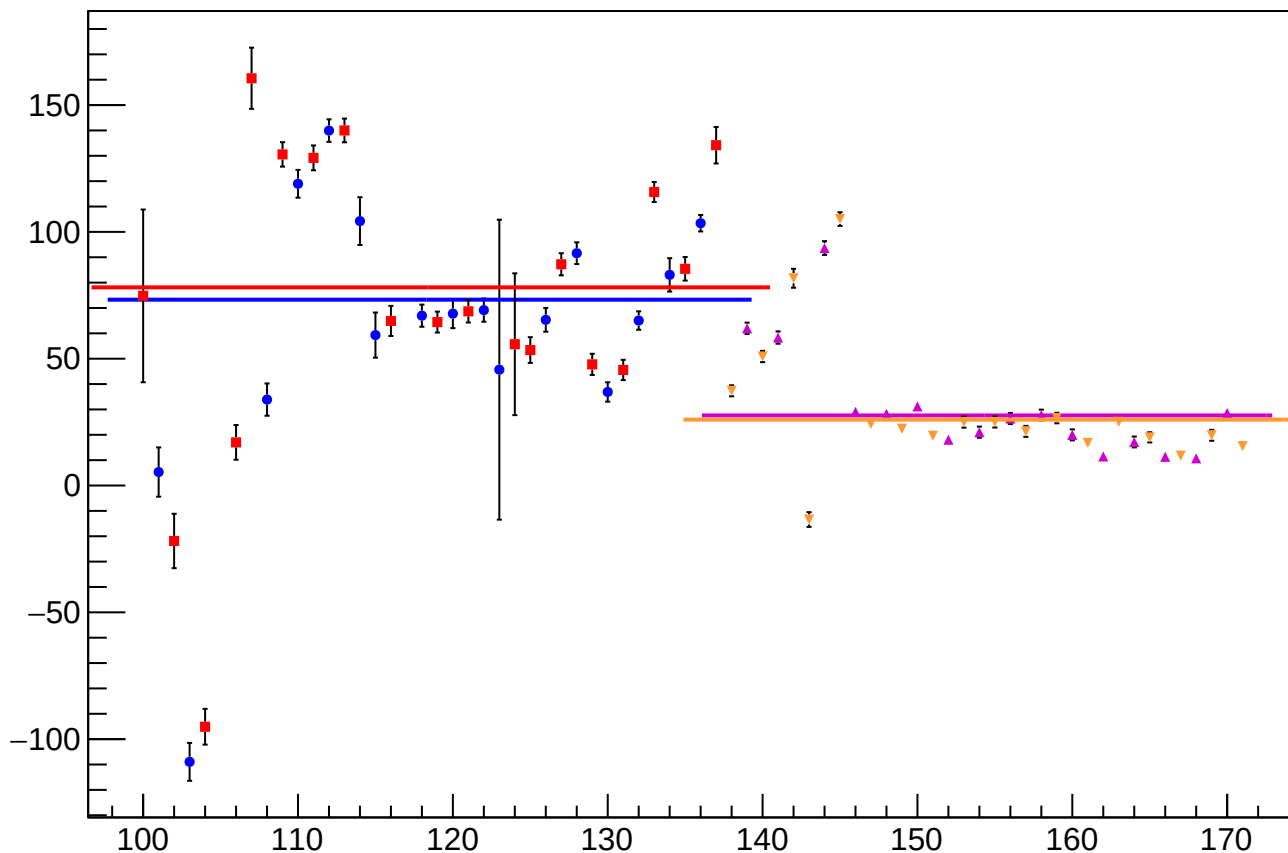
Left In: 8.525 ± 0.375 χ^2/NDF : 282.7/15

+ sign 10.159 ± 0.313 χ^2/NDF : 1076.8/34

All: 10.822 ± 0.225 χ^2/NDF : 1987.5/69

- sign 11.531 ± 0.324 χ^2/NDF : 901.4/34

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 25.980 $\pm$ 0.497 χ^2 /NDF:1572.6/17

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

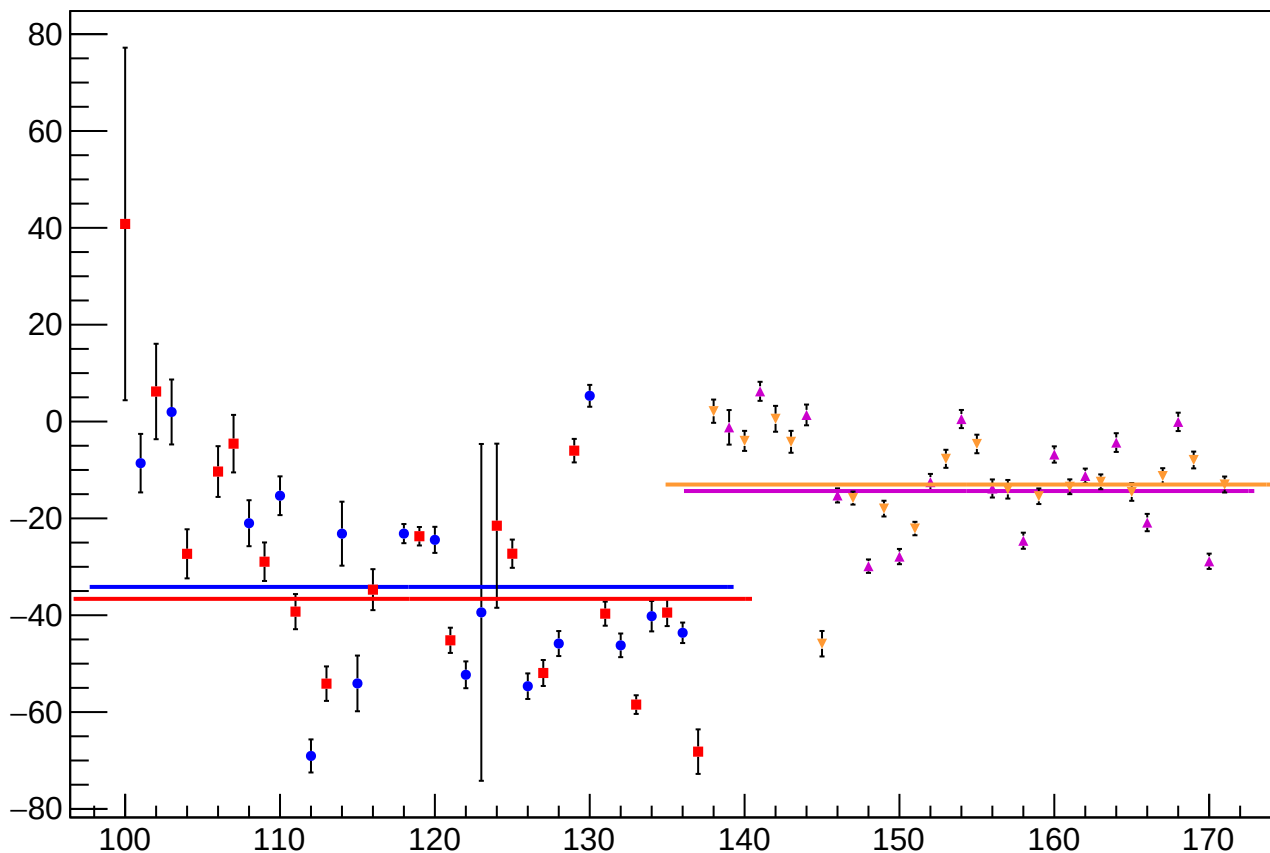
Left In: 27.628 $\pm$ 0.509 χ^2 /NDF:1299.1/15

+ sign 32.560 $\pm$ 0.461 χ^2 /NDF: 4031.0/34

All: 33.804 $\pm$ 0.329 χ^2 /NDF: 8342.3/69

- sign 35.096 $\pm$ 0.470 χ^2 /NDF: 4296.5/34

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.009 ± 0.416 χ^2/NDF : 352.9/17

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

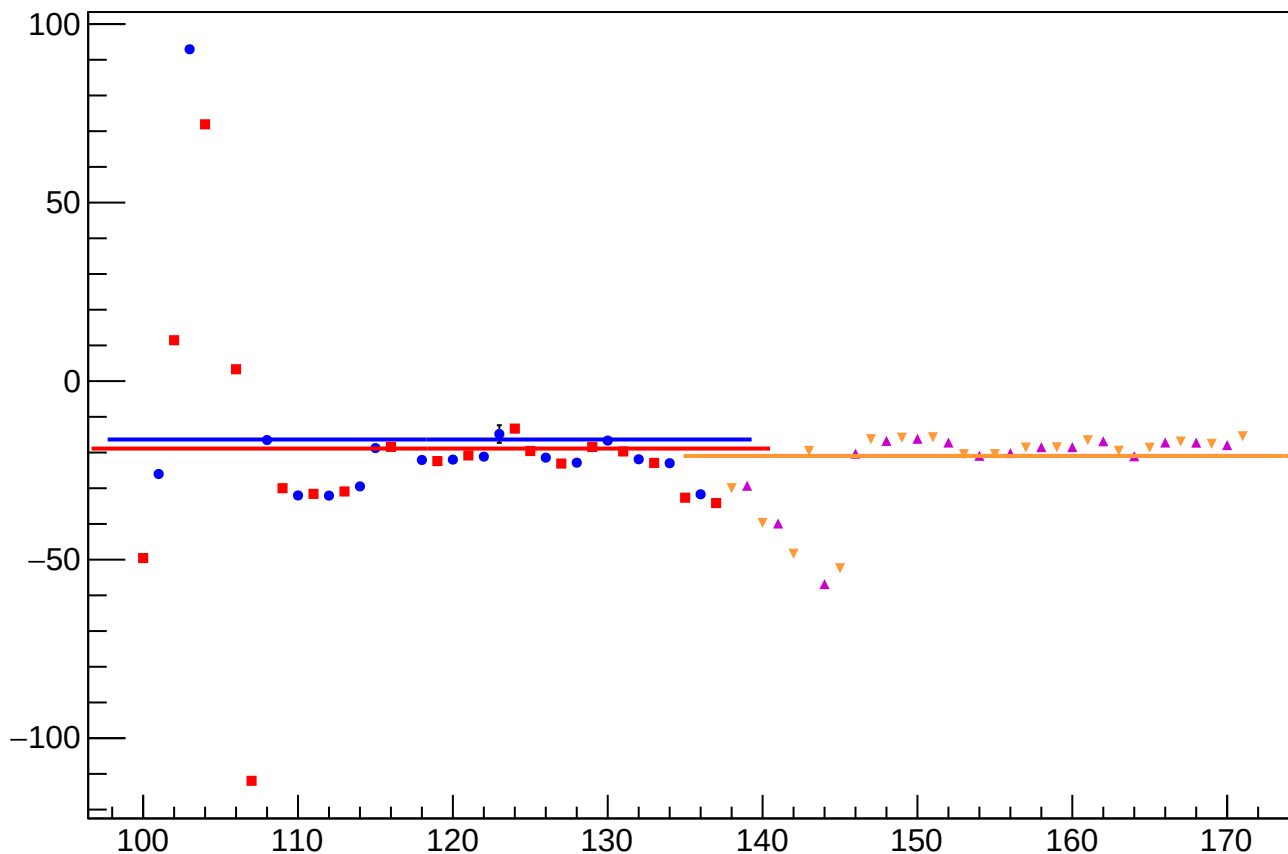
Left In: -14.352 ± 0.436 χ^2/NDF : 683.7/15

+ sign -18.029 ± 0.363 χ^2/NDF : 1684.9/34

All: -19.045 ± 0.261 χ^2/NDF : 3610.1/69

- sign -20.129 ± 0.375 χ^2/NDF : 1909.0/34

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -20.960 ± 0.019 $\chi^2/\text{NDF}: 198188.7/17$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

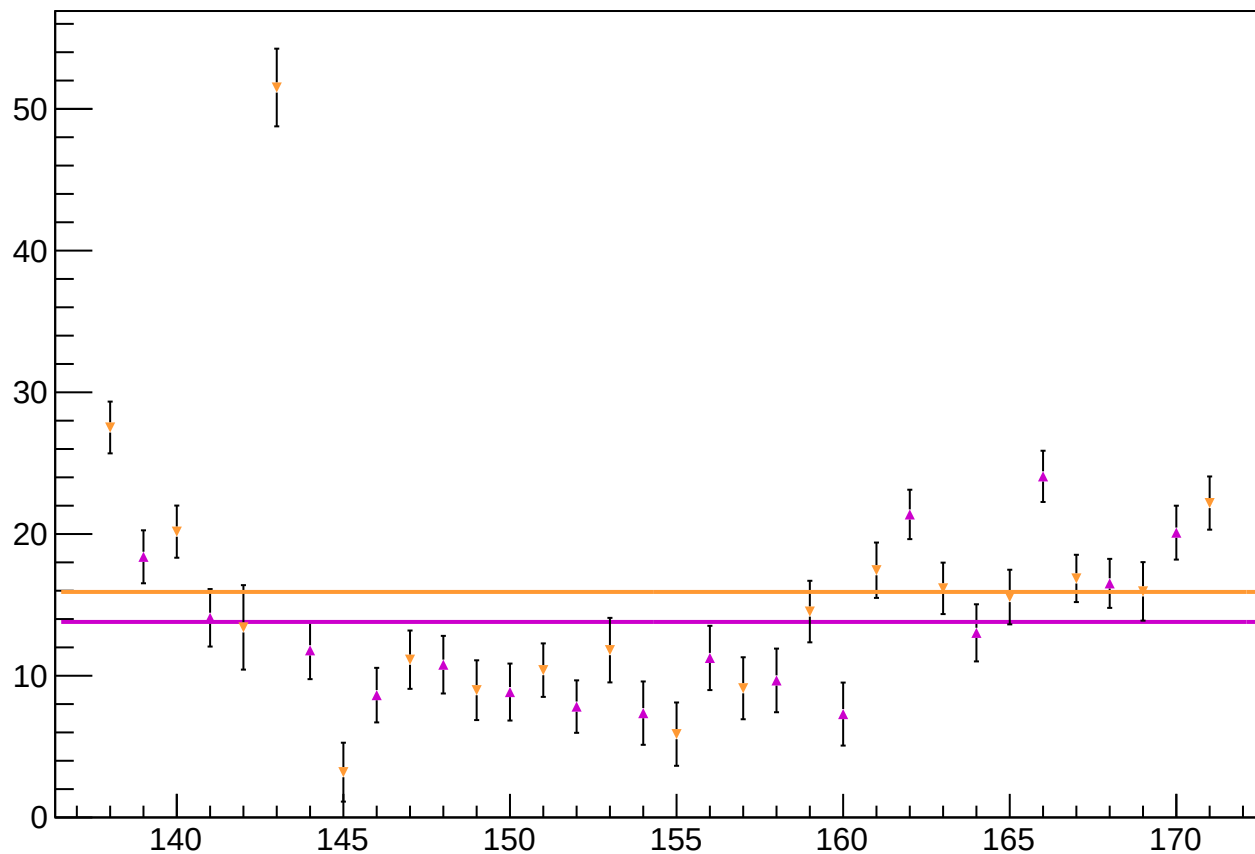
Left In: -20.952 ± 0.020 $\chi^2/\text{NDF}: 160474.6/15$

+ sign -20.230 ± 0.018 $\chi^2/\text{NDF}: 681359.7/34$

All: -20.418 ± 0.013 $\chi^2/\text{NDF}: 1277600.0/69$

- sign -20.616 ± 0.018 $\chi^2/\text{NDF}: 596009.9/34$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 15.914 $\pm$ 0.480 χ^2/NDF :322.8/17

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

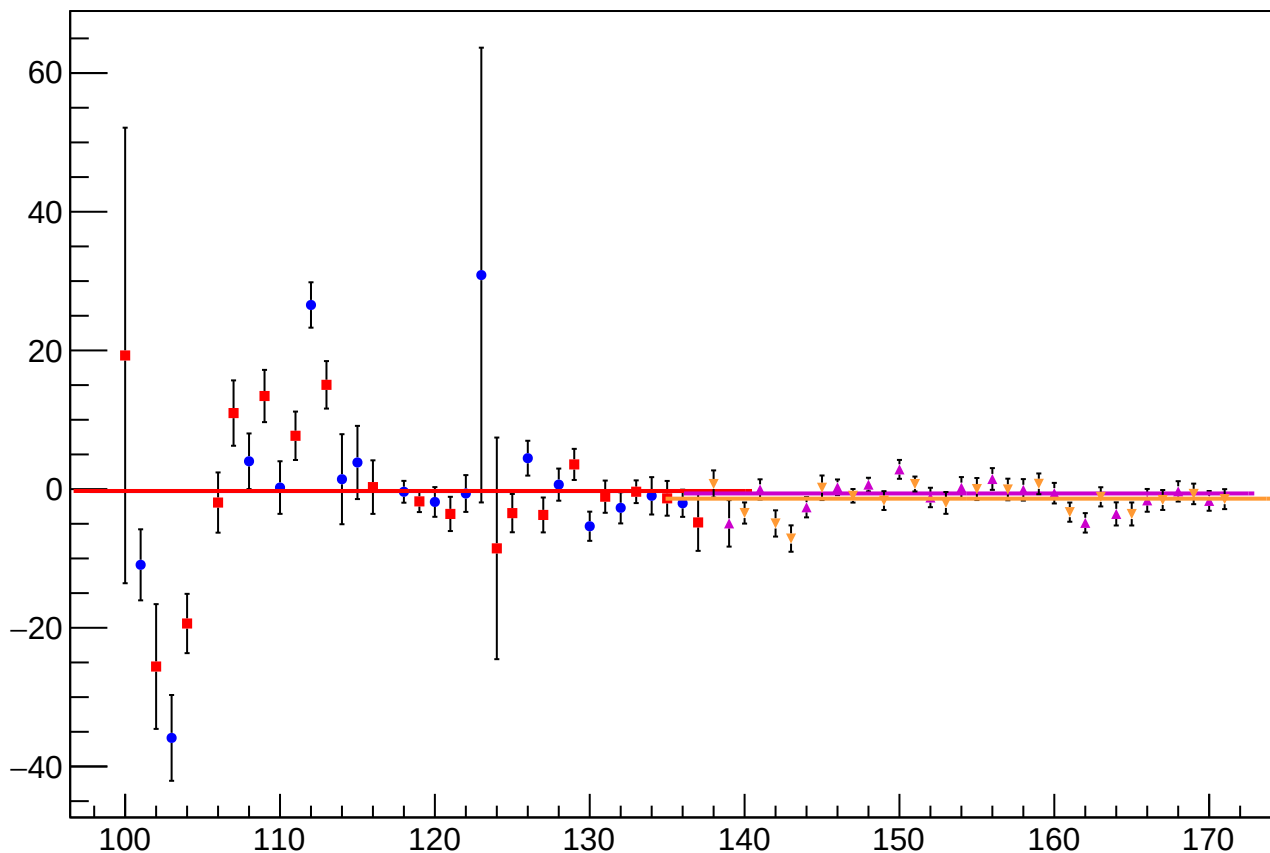
Left In: 13.797 $\pm$ 0.493 χ^2/NDF :119.2/15

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

All: 14.885 $\pm$ 0.344 χ^2/NDF : 451.5/33

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

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.377 ± 0.343 χ^2/NDF : 28.3/17

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

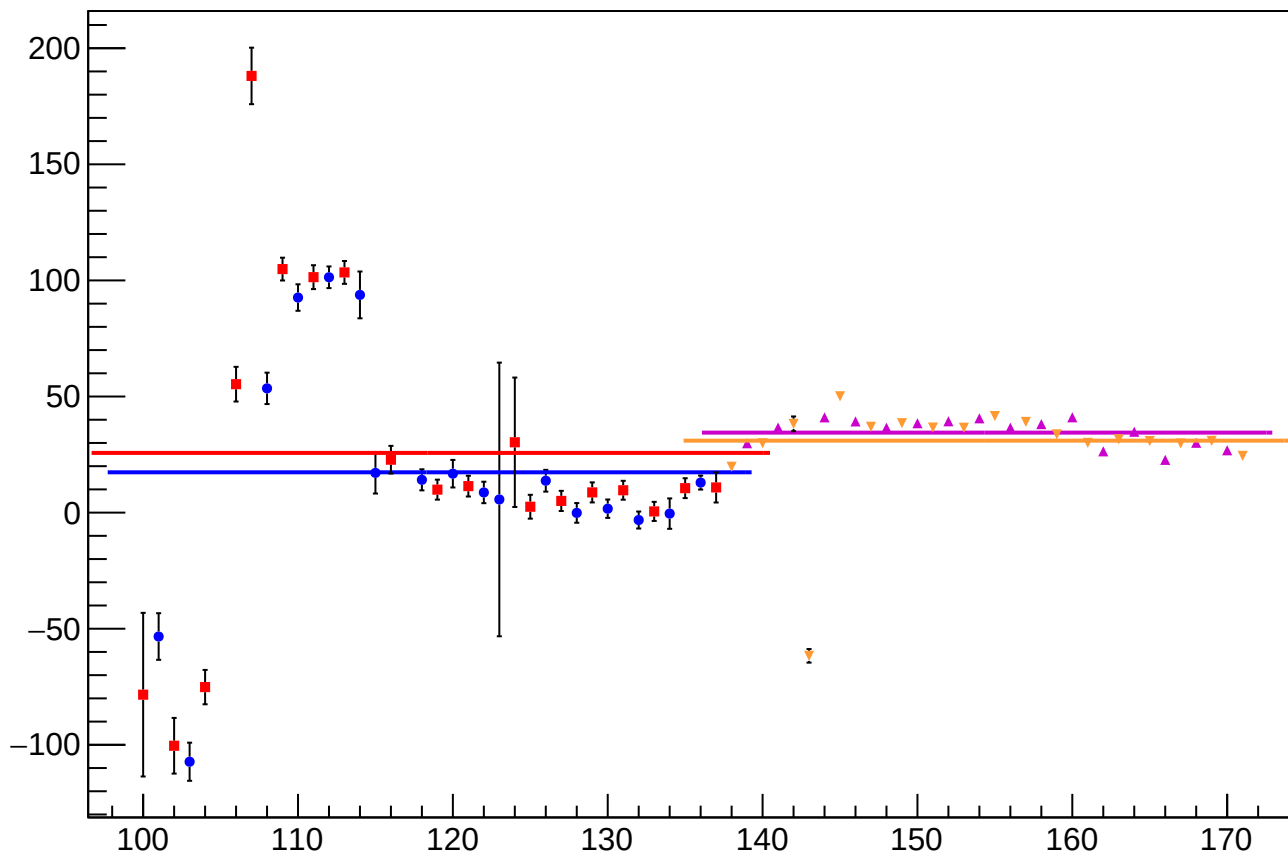
Left In: -0.626 ± 0.358 χ^2/NDF : 28.1/15

+ sign -1.145 ± 0.304 χ^2/NDF : 150.0/34

All: -0.855 ± 0.219 χ^2/NDF : 263.4/69

- sign -0.544 ± 0.315 χ^2/NDF : 111.5/34

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 30.992 ± 0.473 $\chi^2/\text{NDF}: 1215.0/17$

Right Out: 25.717 ± 1.243 $\chi^2/\text{NDF}: 1378.8/18$

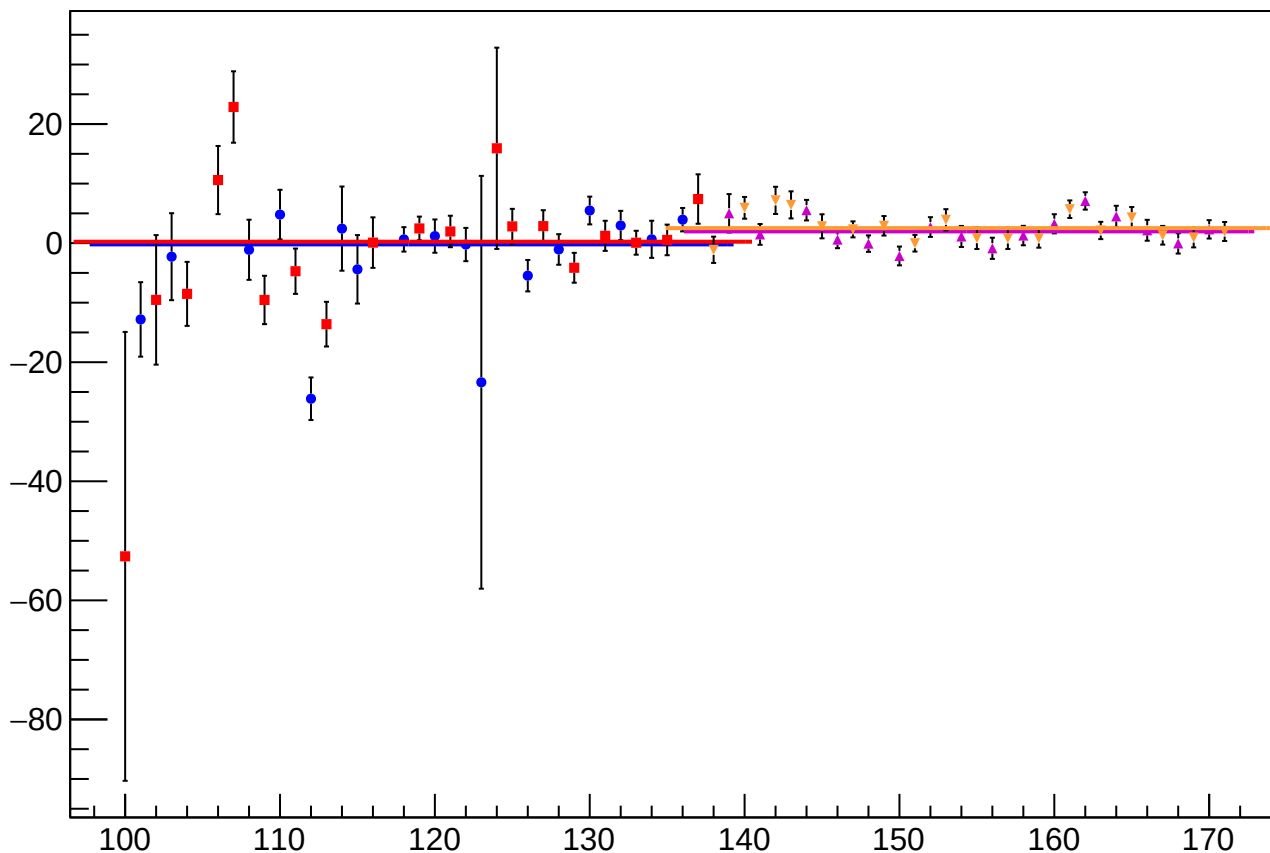
Left In: 34.451 ± 0.484 $\chi^2/\text{NDF}: 144.6/15$

+ sign 29.276 ± 0.442 $\chi^2/\text{NDF}: 2262.5/34$

All: 31.252 ± 0.316 $\chi^2/\text{NDF}: 3869.4/69$

- sign 33.303 ± 0.451 $\chi^2/\text{NDF}: 1566.3/34$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.522 ± 0.398 χ^2/NDF : 27.7/17

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

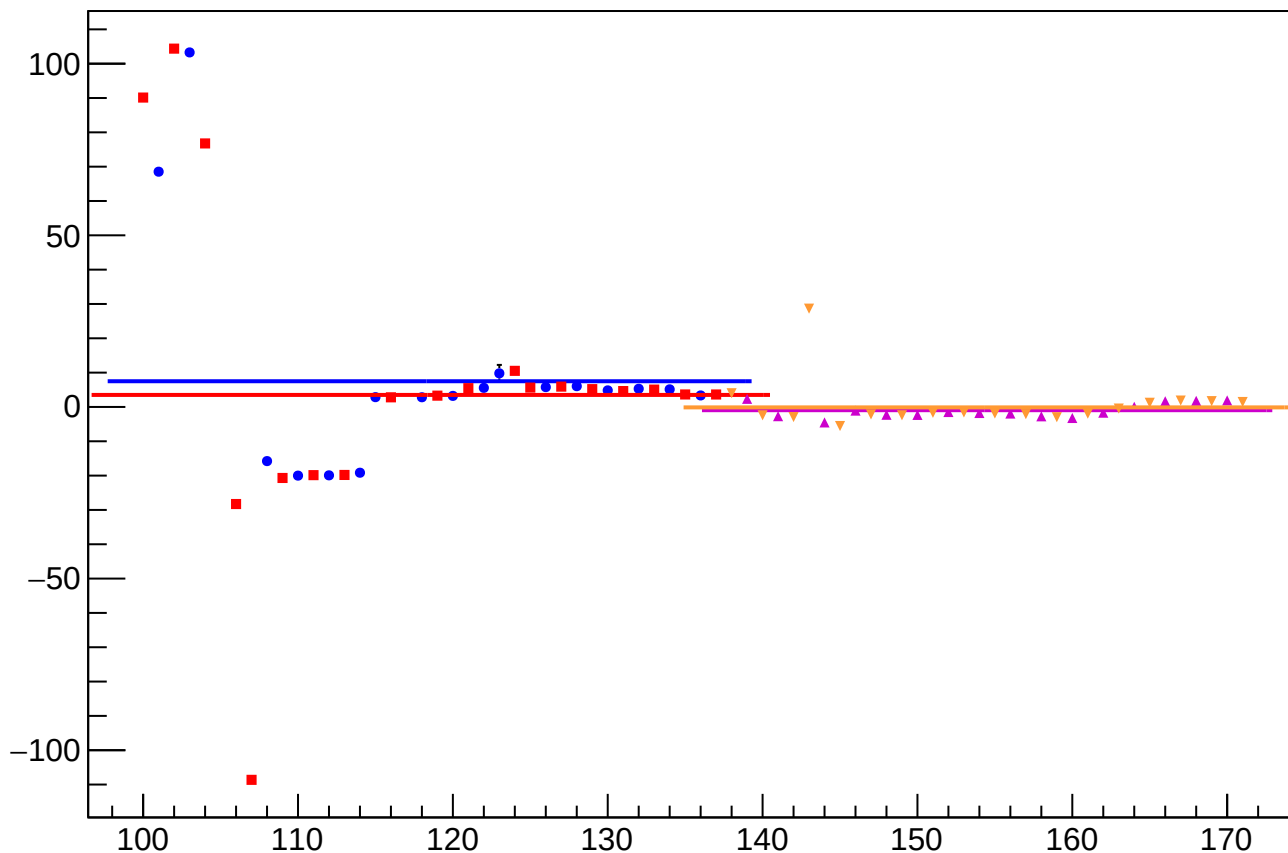
Left In: 1.969 ± 0.415 χ^2/NDF : 34.8/15

+ sign 1.925 ± 0.351 χ^2/NDF : 113.9/34

All: 1.749 ± 0.253 χ^2/NDF : 207.8/69

- sign 1.562 ± 0.363 χ^2/NDF : 93.4/34

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: -0.127 ± 0.018 $\chi^2/\text{NDF}: 76462.8/17$

Right Out: 3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.4/18$

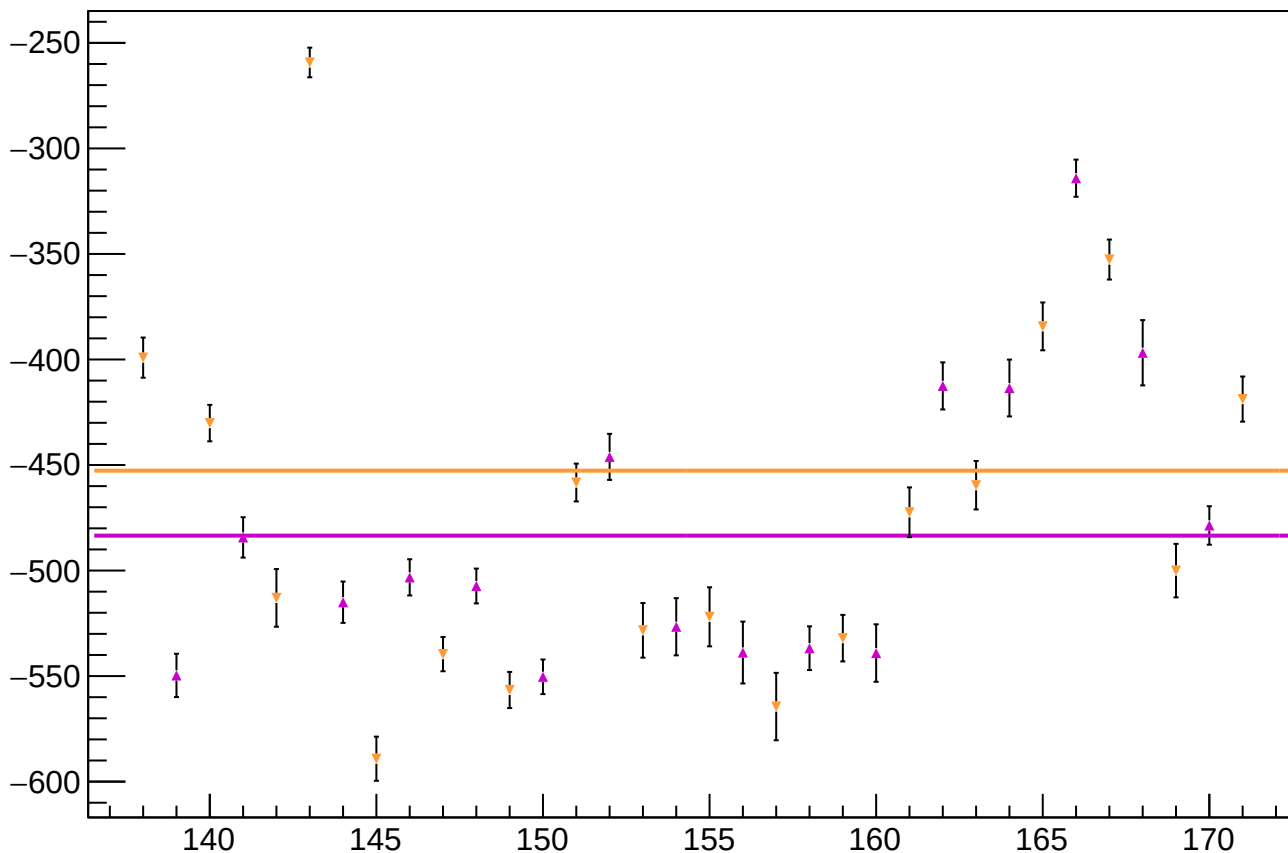
Left In: -0.944 ± 0.019 $\chi^2/\text{NDF}: 11064.8/15$

+ sign 0.978 ± 0.017 $\chi^2/\text{NDF}: 457352.9/34$

All: 0.360 ± 0.012 $\chi^2/\text{NDF}: 989824.3/69$

- sign -0.292 ± 0.017 $\chi^2/\text{NDF}: 529754.0/34$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -452.669+/-2.408 χ^2/NDF :1584.2/17

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

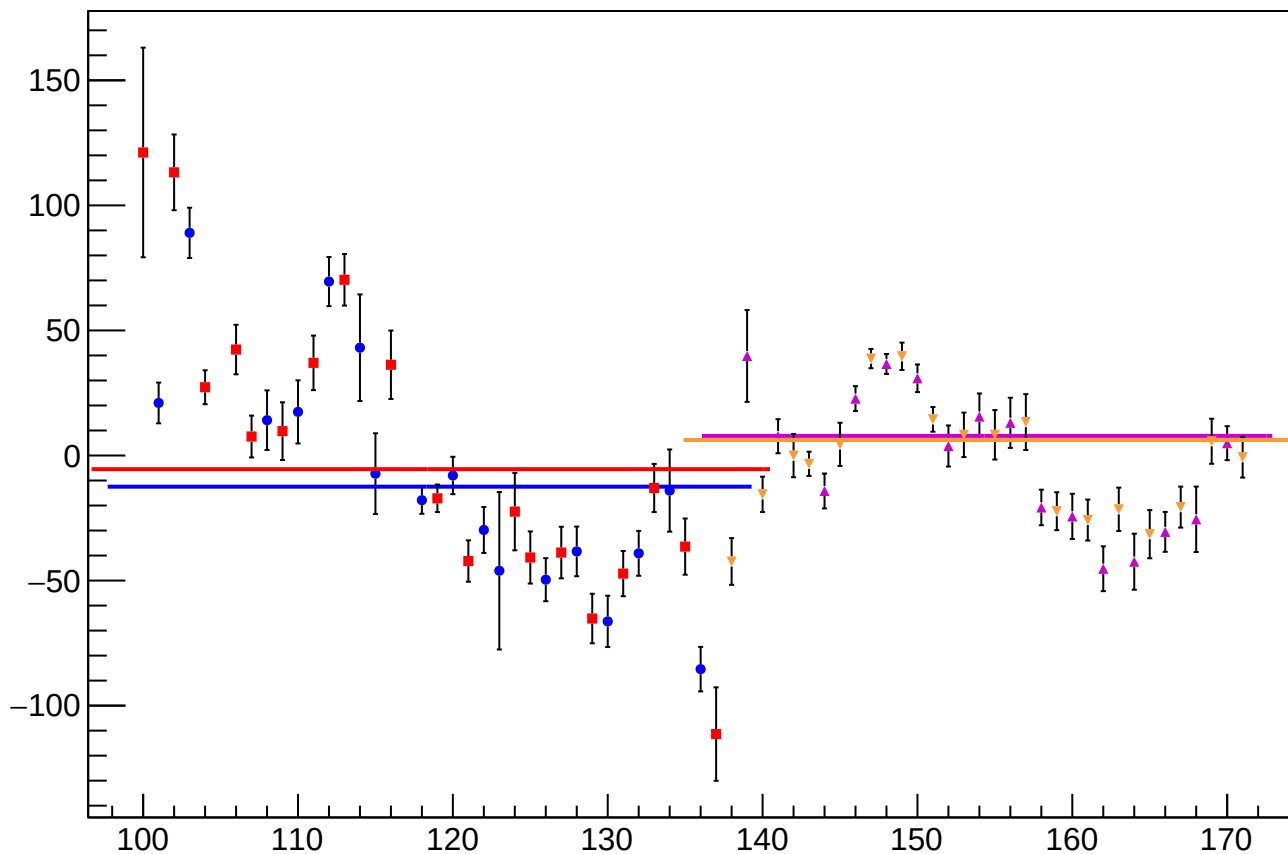
Left In: -483.455+/-2.582 χ^2/NDF :680.7/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -466.989+/-1.761 χ^2/NDF : 2340.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 6.192 ± 1.638 χ^2/NDF : 219.5/17

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

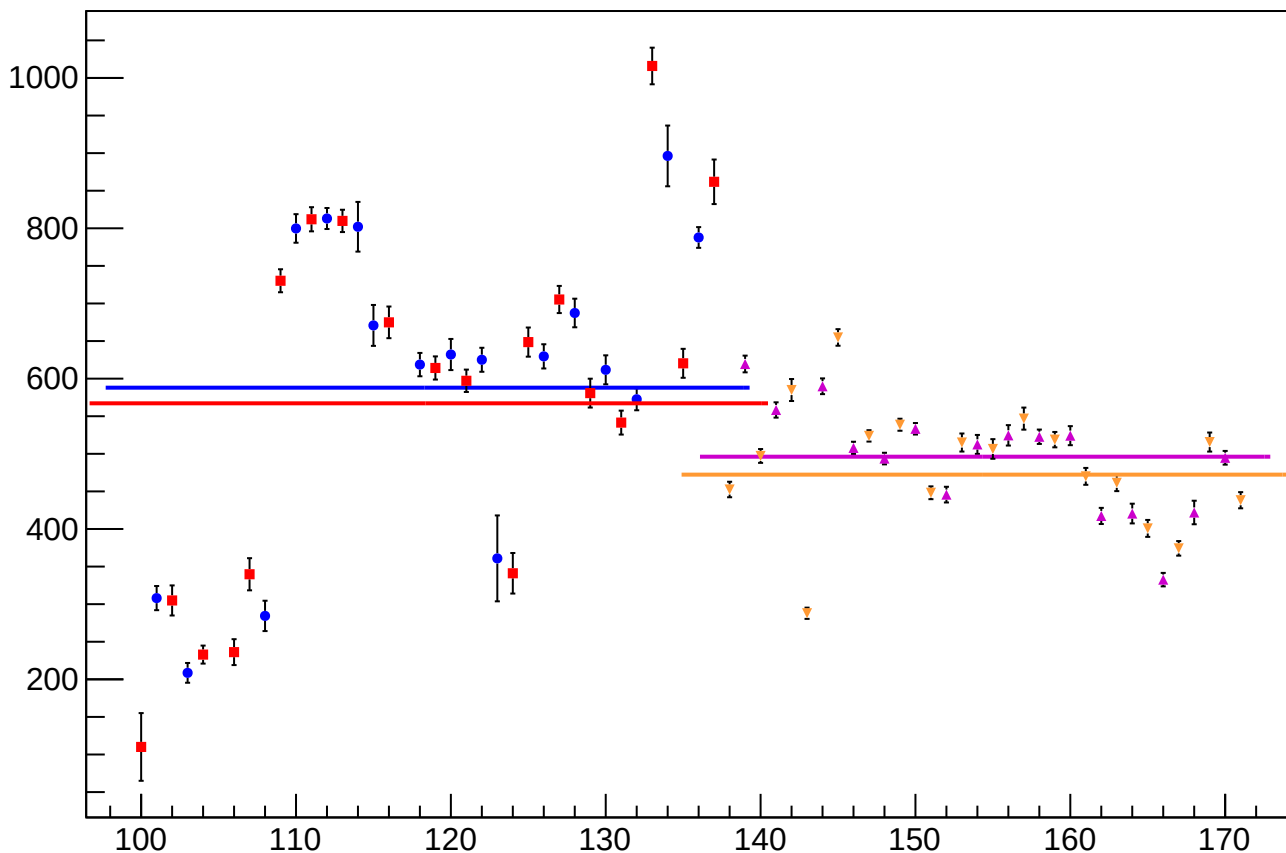
Left In: 7.845 ± 1.787 χ^2/NDF : 206.6/15

+ sign 0.090 ± 1.343 χ^2/NDF : 603.0/34

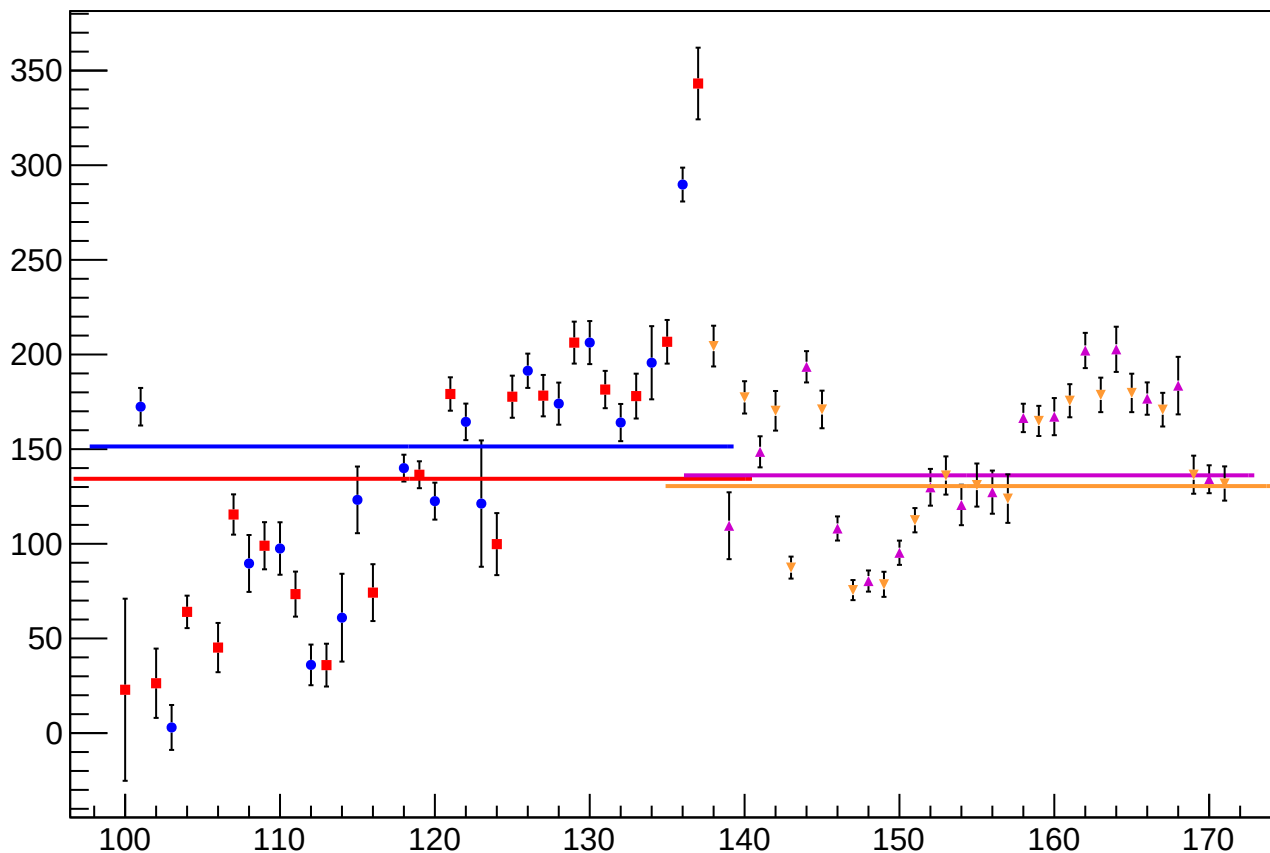
All: 1.353 ± 0.970 χ^2/NDF : 1177.7/69

- sign 2.727 ± 1.401 χ^2/NDF : 572.9/34

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 130.493 $\pm$ 1.950 χ^2 /NDF: 458.2/17

Right Out: 134.346 $\pm$ 2.616 χ^2 /NDF: 584.9/18

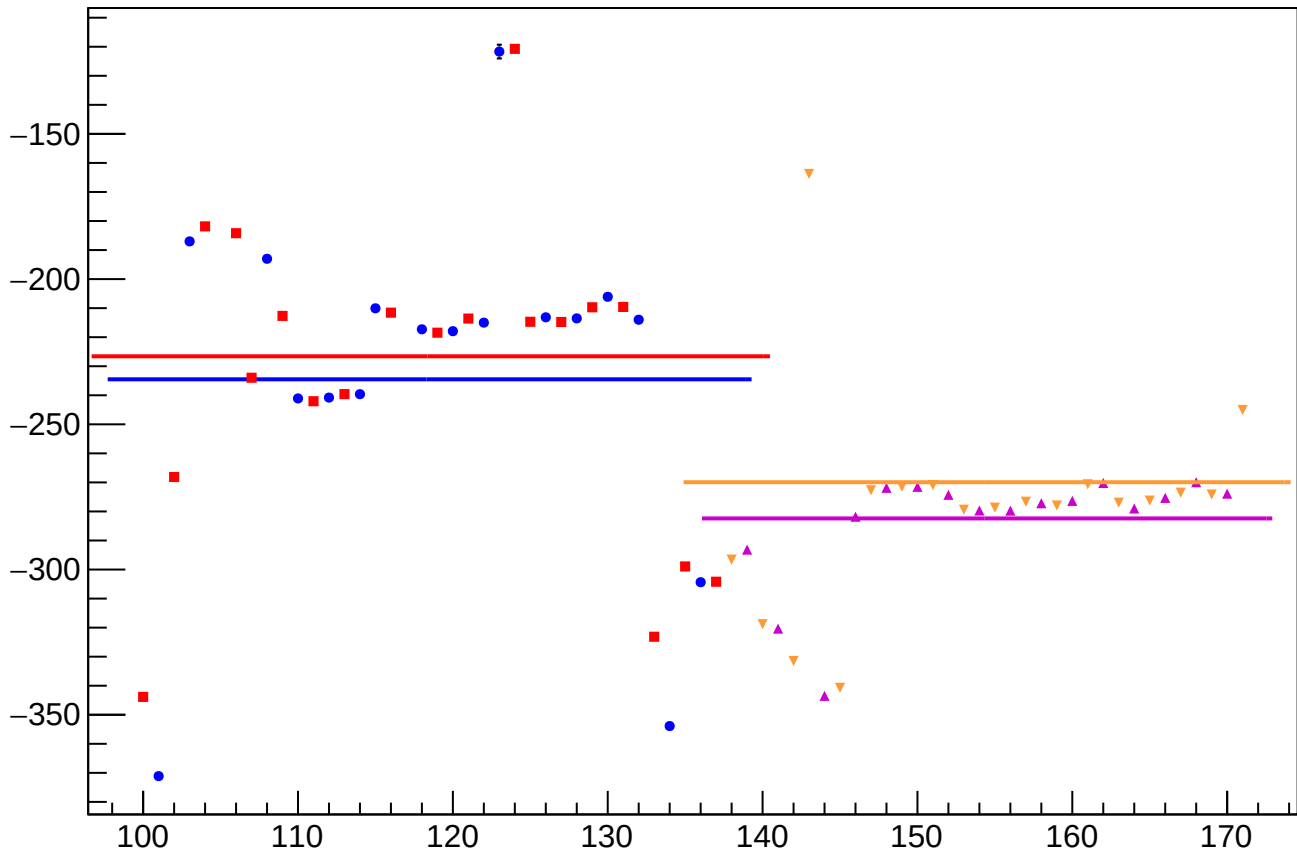
Left In: 136.168 $\pm$ 2.113 χ^2 /NDF: 355.9/15

+ sign 137.637 $\pm$ 1.583 χ^2 /NDF: 1130.8/34

All: 136.584 $\pm$ 1.140 χ^2 /NDF: 2072.8/69

- sign 135.448 $\pm$ 1.644 χ^2 /NDF: 941.1/34

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -269.932 ± 0.095 $\chi^2/\text{NDF}: 187583.7/17$

Right Out: -226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

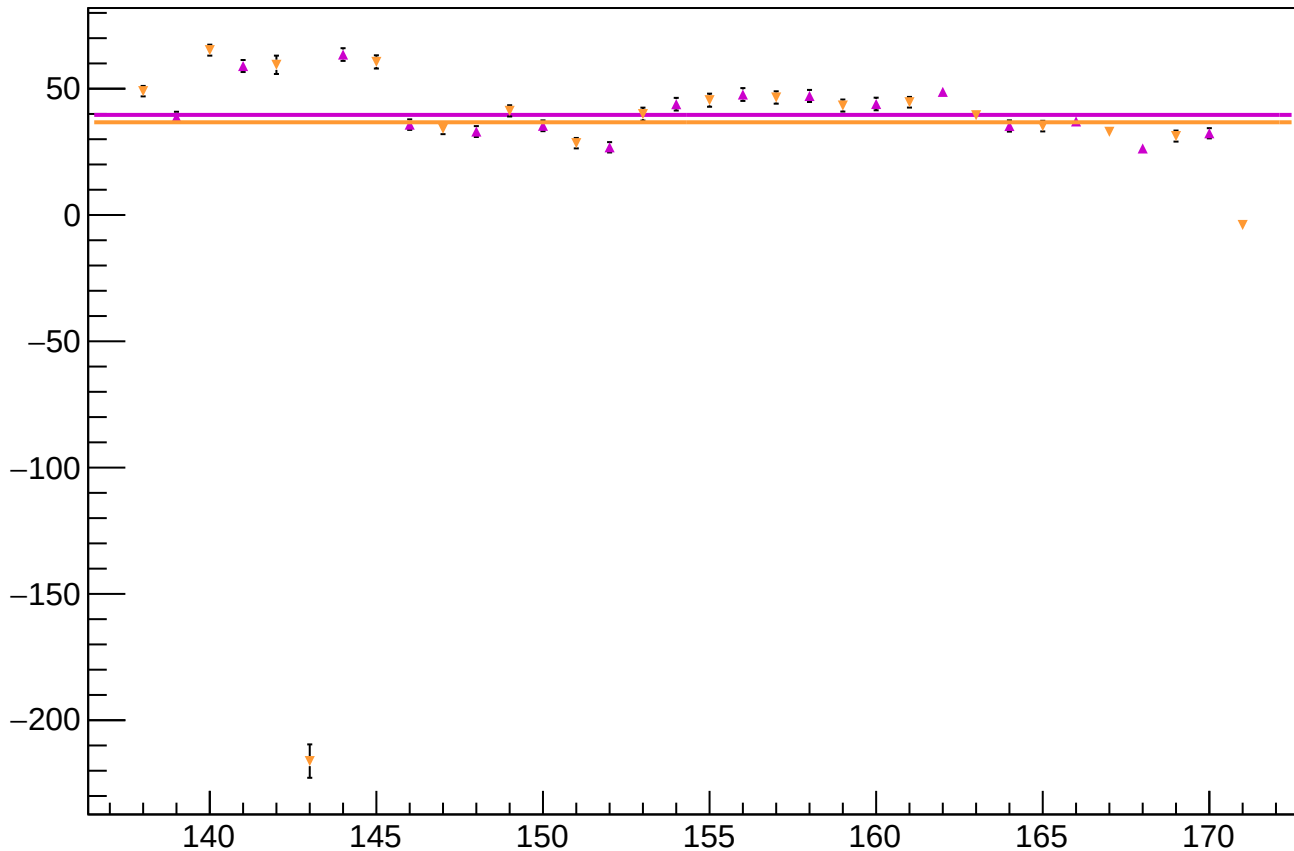
Left In: -282.402 ± 0.101 $\chi^2/\text{NDF}: 32293.4/15$

+ sign -259.631 ± 0.080 $\chi^2/\text{NDF}: 372720.0/34$

All: -261.577 ± 0.057 $\chi^2/\text{NDF}: 608539.9/69$

- sign -263.606 ± 0.082 $\chi^2/\text{NDF}: 234621.6/34$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 36.704+/-0.535 χ^2/NDF :2334.6/17

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

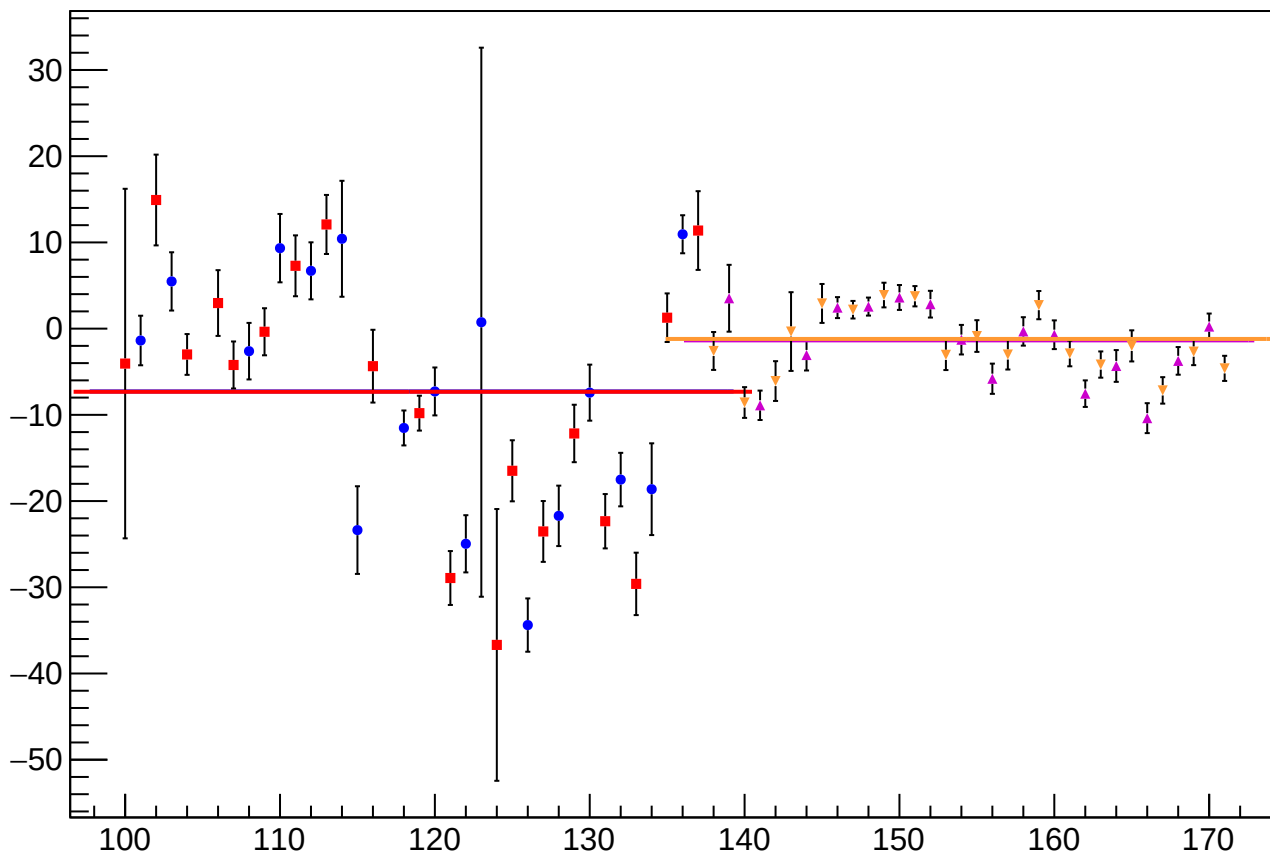
Left In: 39.628+/-0.544 χ^2/NDF :329.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 38.141+/-0.382 χ^2/NDF : 2678.6/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -1.196 ± 0.380 χ^2/NDF : 101.5/17

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

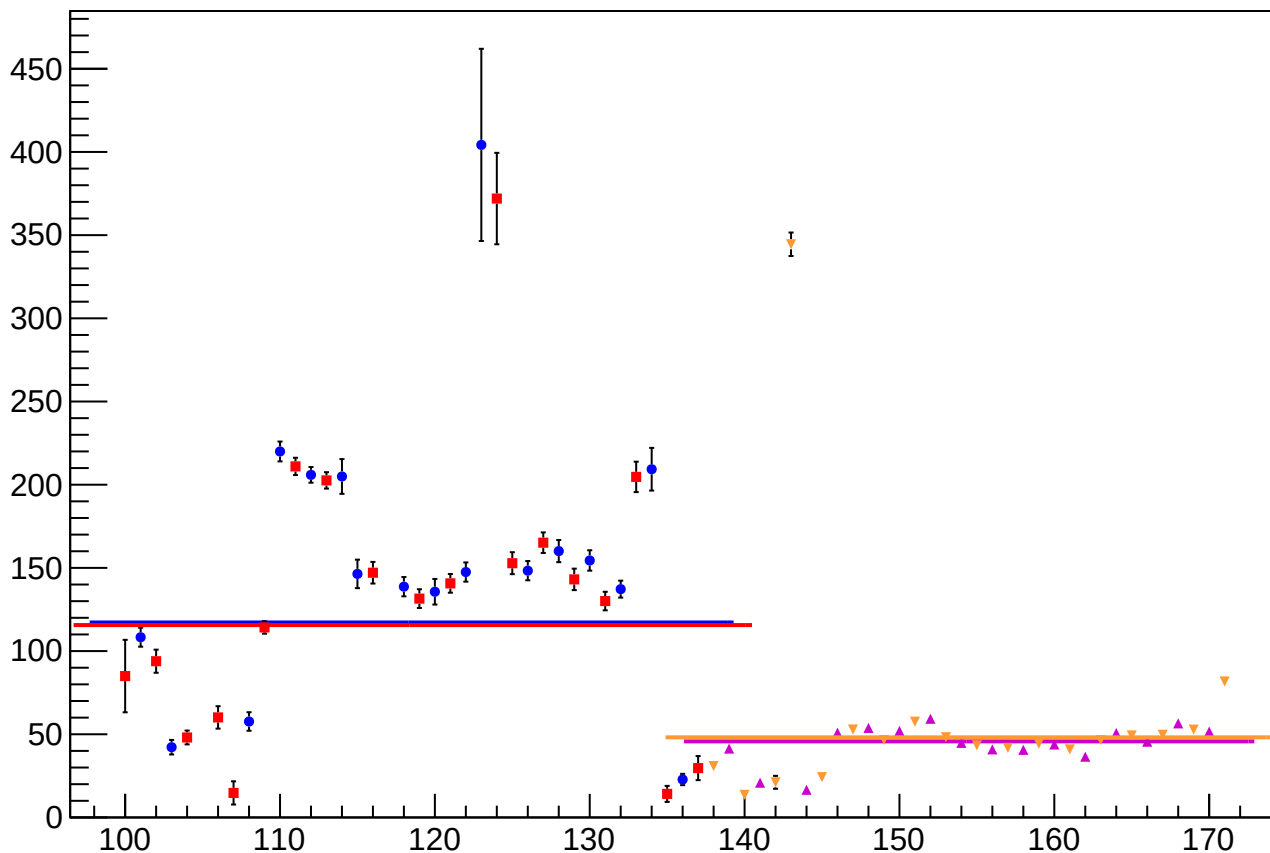
Left In: -1.362 ± 0.393 χ^2/NDF : 121.0/15

+ sign -2.342 ± 0.342 χ^2/NDF : 433.1/34

All: -2.477 ± 0.244 χ^2/NDF : 858.2/69

- sign -2.617 ± 0.349 χ^2/NDF : 424.8/34

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187+/-1.416 χ^2/NDF : 2161.0/16

Left Out: 48.149+/-0.526 χ^2/NDF : 2540.7/17

Right Out: 115.632+/-1.361 χ^2/NDF : 2137.6/18

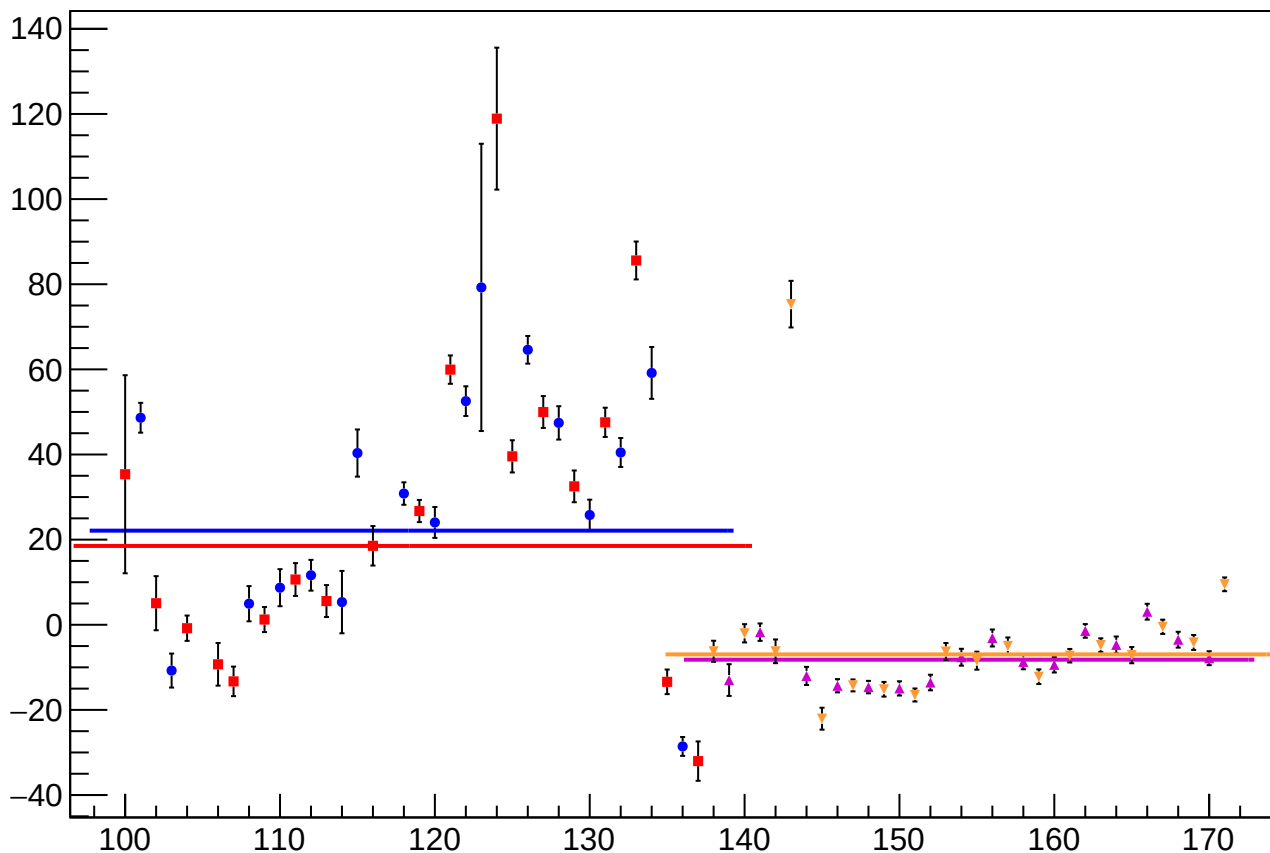
Left In: 45.736+/-0.532 χ^2/NDF : 378.7/15

+ sign 56.505+/-0.493 χ^2/NDF : 6790.1/34

All: 55.764+/-0.350 χ^2/NDF : 11598.2/69

- sign 55.014+/-0.496 χ^2/NDF : 4803.6/34

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 ± 0.898 $\chi^2/\text{NDF}: 1070.3/16$

Left Out: -6.959 ± 0.441 $\chi^2/\text{NDF}: 487.7/17$

Right Out: 18.521 ± 0.871 $\chi^2/\text{NDF}: 1068.6/18$

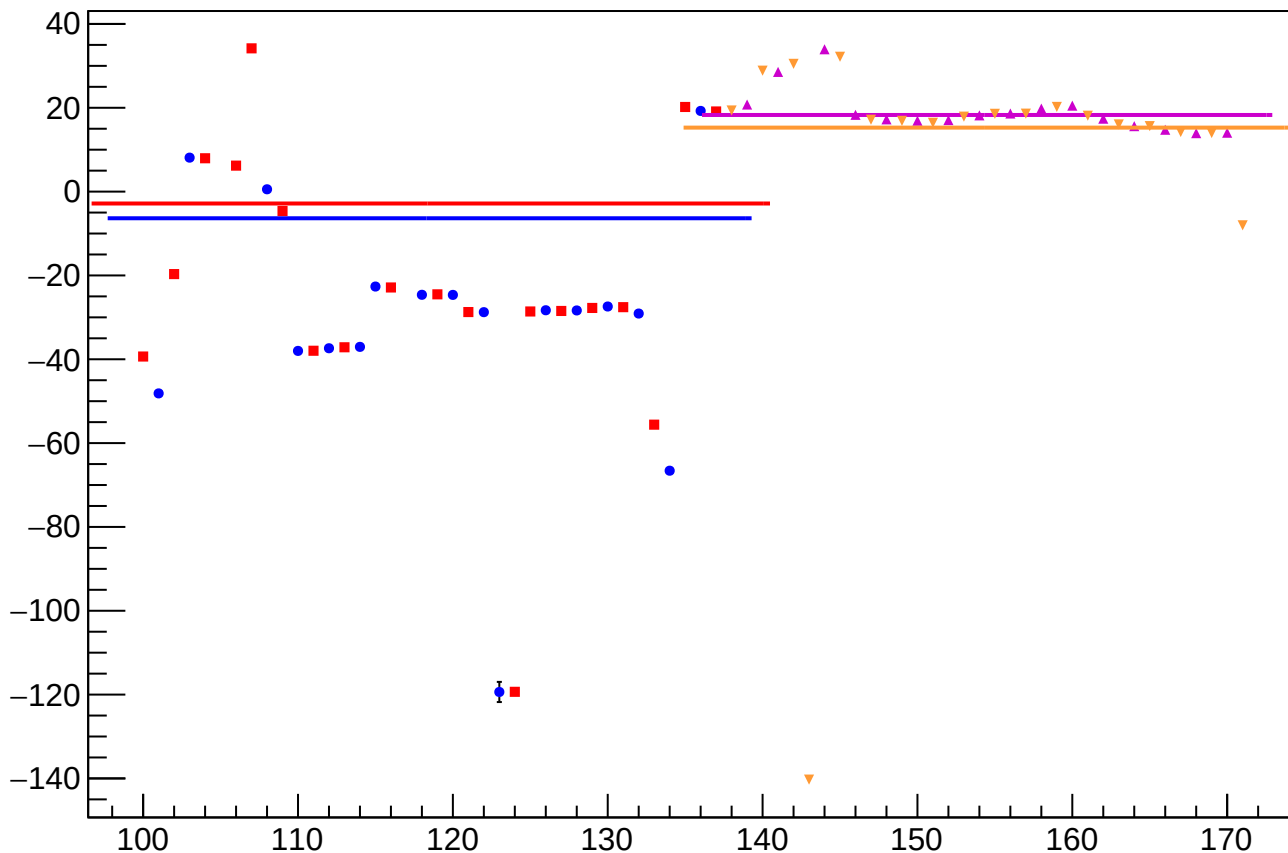
Left In: -8.204 ± 0.456 $\chi^2/\text{NDF}: 145.8/15$

+ sign -1.319 ± 0.396 $\chi^2/\text{NDF}: 2402.3/34$

All: -1.877 ± 0.283 $\chi^2/\text{NDF}: 4359.5/69$

- sign -2.459 ± 0.404 $\chi^2/\text{NDF}: 1953.2/34$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 15.266 ± 0.020 $\chi^2/\text{NDF}: 486701.0/17$

Right Out: -2.837 ± 0.046 $\chi^2/\text{NDF}: 265573.0/18$

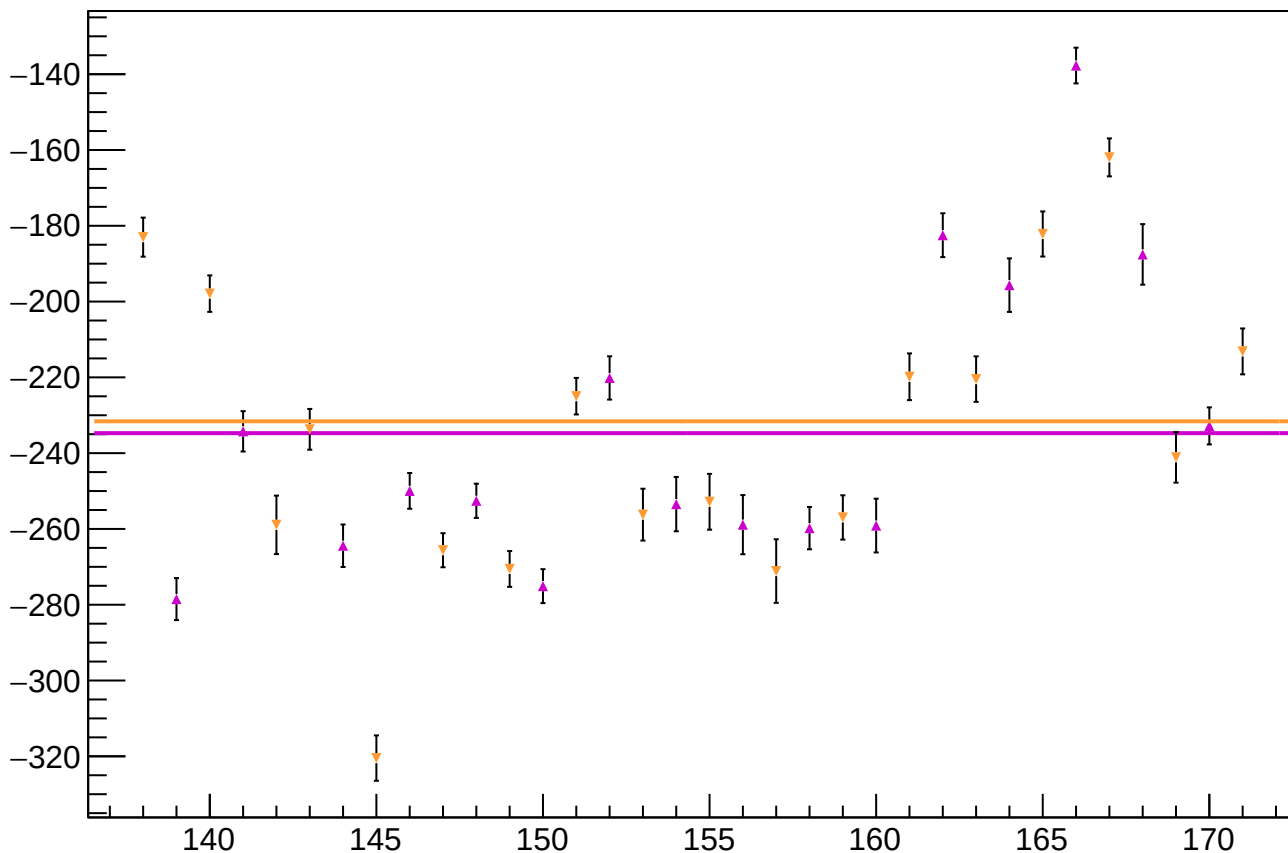
Left In: 18.283 ± 0.021 $\chi^2/\text{NDF}: 40127.8/15$

+ sign 11.744 ± 0.019 $\chi^2/\text{NDF}: 933986.9/34$

All: 13.175 ± 0.013 $\chi^2/\text{NDF}: 1428078.8/69$

- sign 14.650 ± 0.019 $\chi^2/\text{NDF}: 482187.0/34$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -231.601 ± 1.346 χ^2/NDF : 841.2/17

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

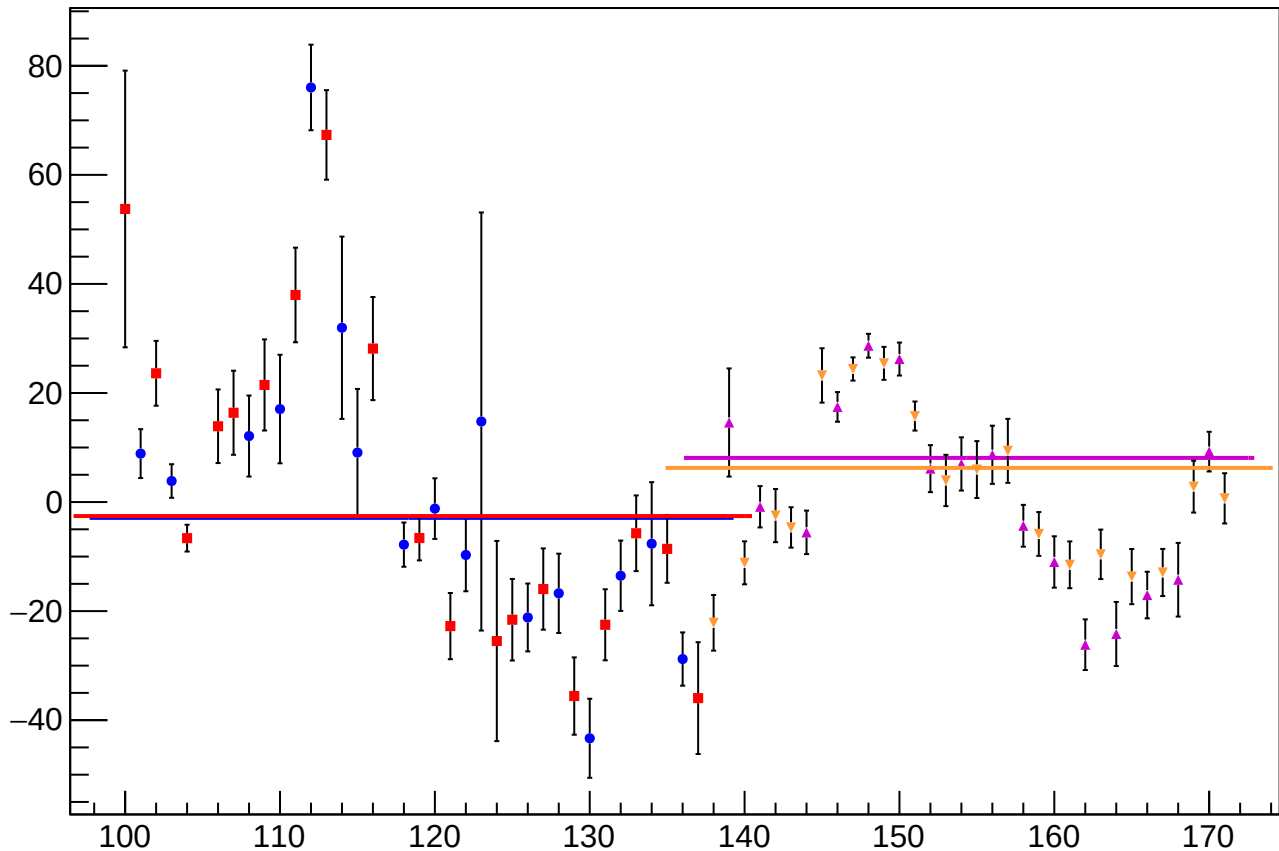
Left In: -234.720 ± 1.394 χ^2/NDF : 823.2/15

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -233.105 ± 0.968 χ^2/NDF : 1667.1/33

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 6.265 ± 0.917 χ^2/NDF : 275.6/17

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

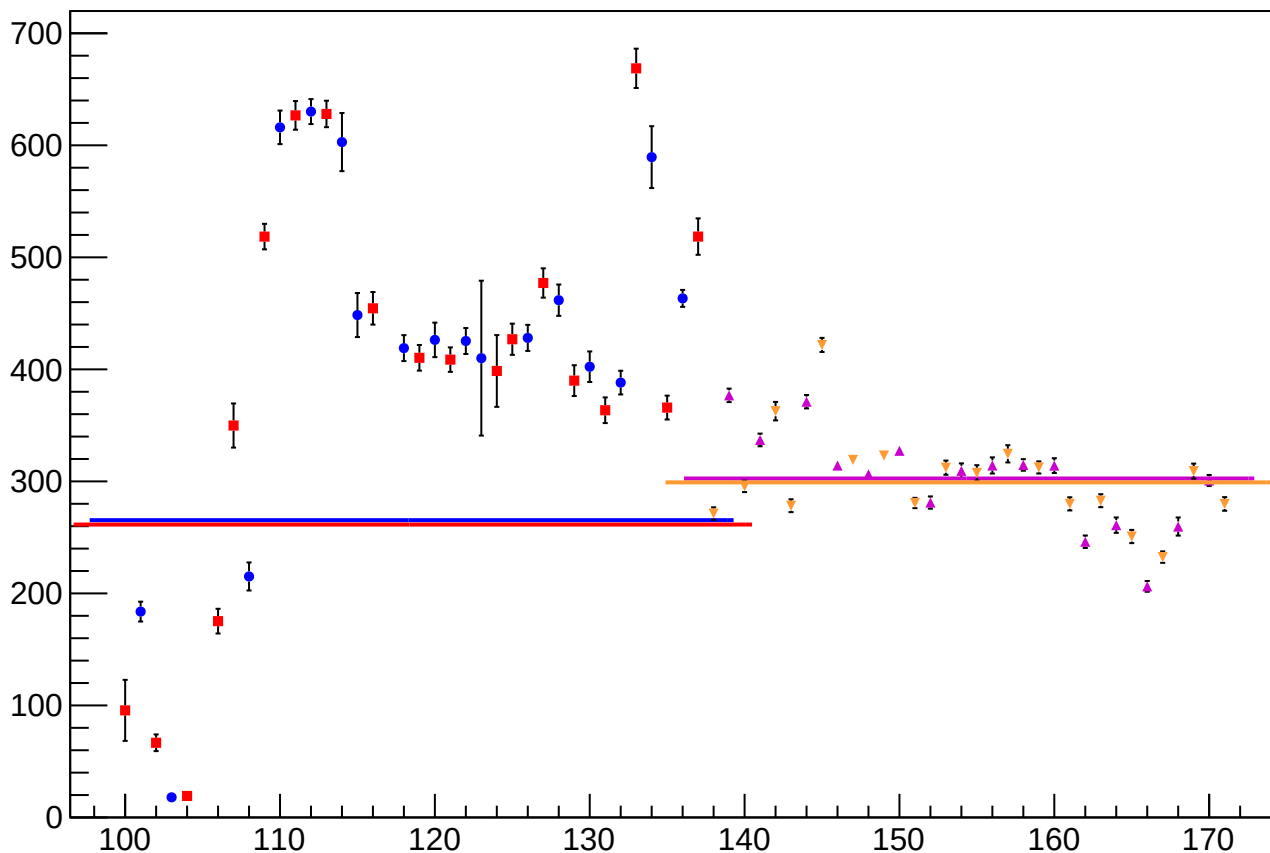
Left In: 8.094 ± 0.968 χ^2/NDF : 311.5/15

+ sign 3.688 ± 0.778 χ^2/NDF : 507.2/34

All: 4.151 ± 0.556 χ^2/NDF : 1077.0/69

- sign 4.634 ± 0.795 χ^2/NDF : 569.1/34

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 299.109 $\pm$ 1.328 χ^2 /NDF:836.1/17

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

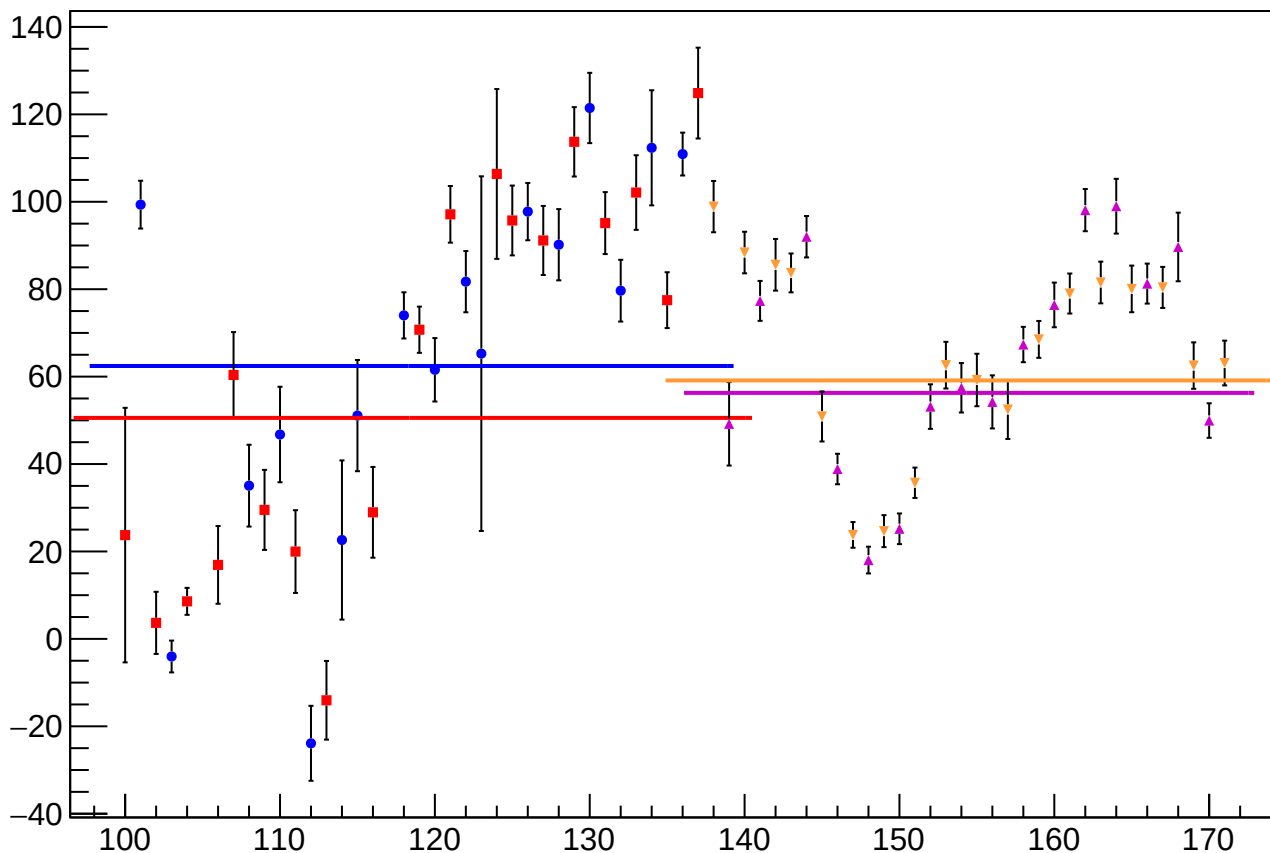
Left In: 302.566 $\pm$ 1.363 χ^2 /NDF:960.2/15

+ sign 291.630 $\pm$ 1.171 χ^2 /NDF: 8613.0/34

All: 292.253 $\pm$ 0.836 χ^2 /NDF: 17991.9/69

- sign 292.898 $\pm$ 1.192 χ^2 /NDF: 9378.3/34

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 59.123 $\pm$ 1.089 χ^2 /NDF: 499.8/17

Right Out: 50.560 $\pm$ 1.642 χ^2 /NDF: 657.4/18

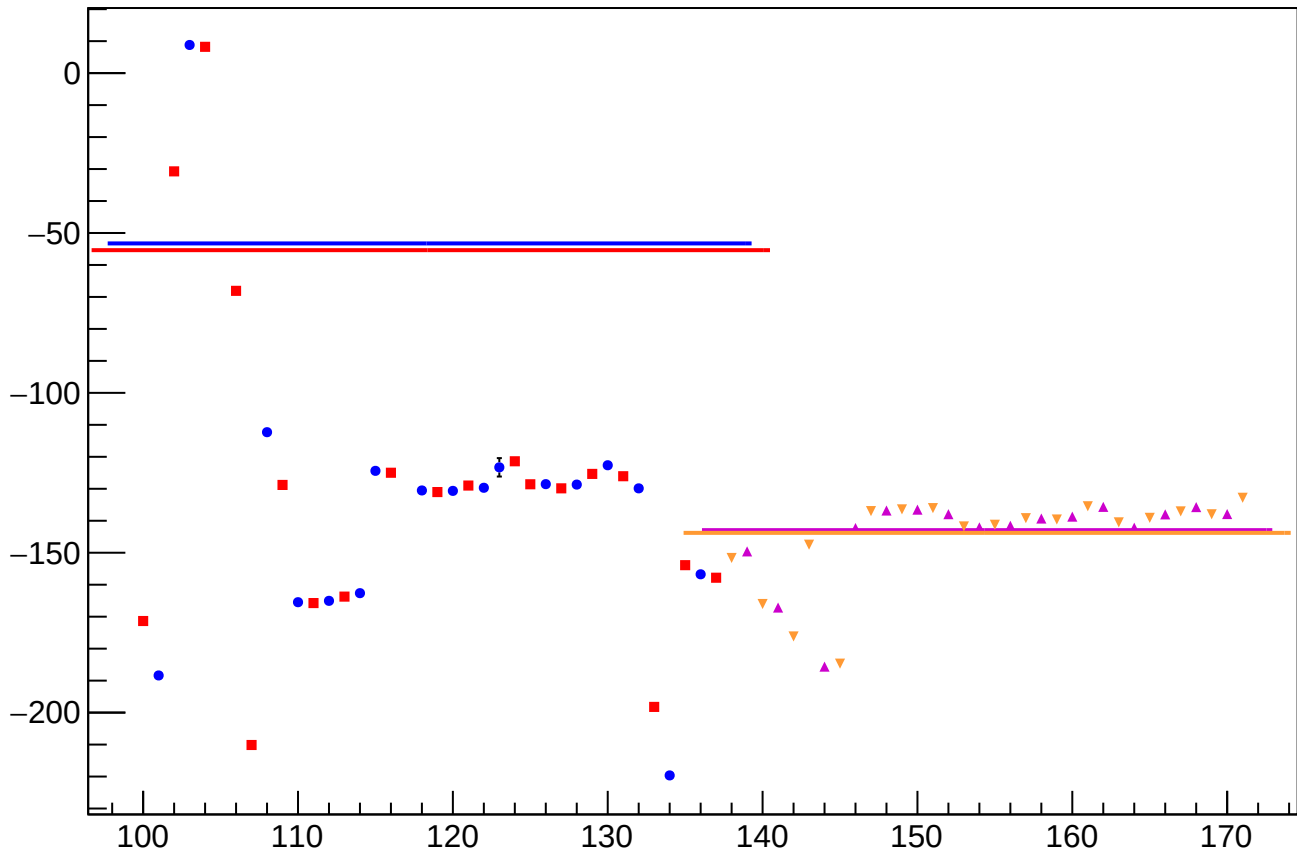
Left In: 56.277 $\pm$ 1.142 χ^2 /NDF: 534.0/15

+ sign 60.092 $\pm$ 0.916 χ^2 /NDF: 1224.2/34

All: 57.319 $\pm$ 0.655 χ^2 /NDF: 2442.5/69

- sign 54.413 $\pm$ 0.938 χ^2 /NDF: 1199.6/34

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 ± 0.070 χ^2/NDF : 1225492.9/16

Left Out: -143.786 ± 0.053 χ^2/NDF : 59276.4/17

Right Out: -55.373 ± 0.072 χ^2/NDF : 967027.2/18

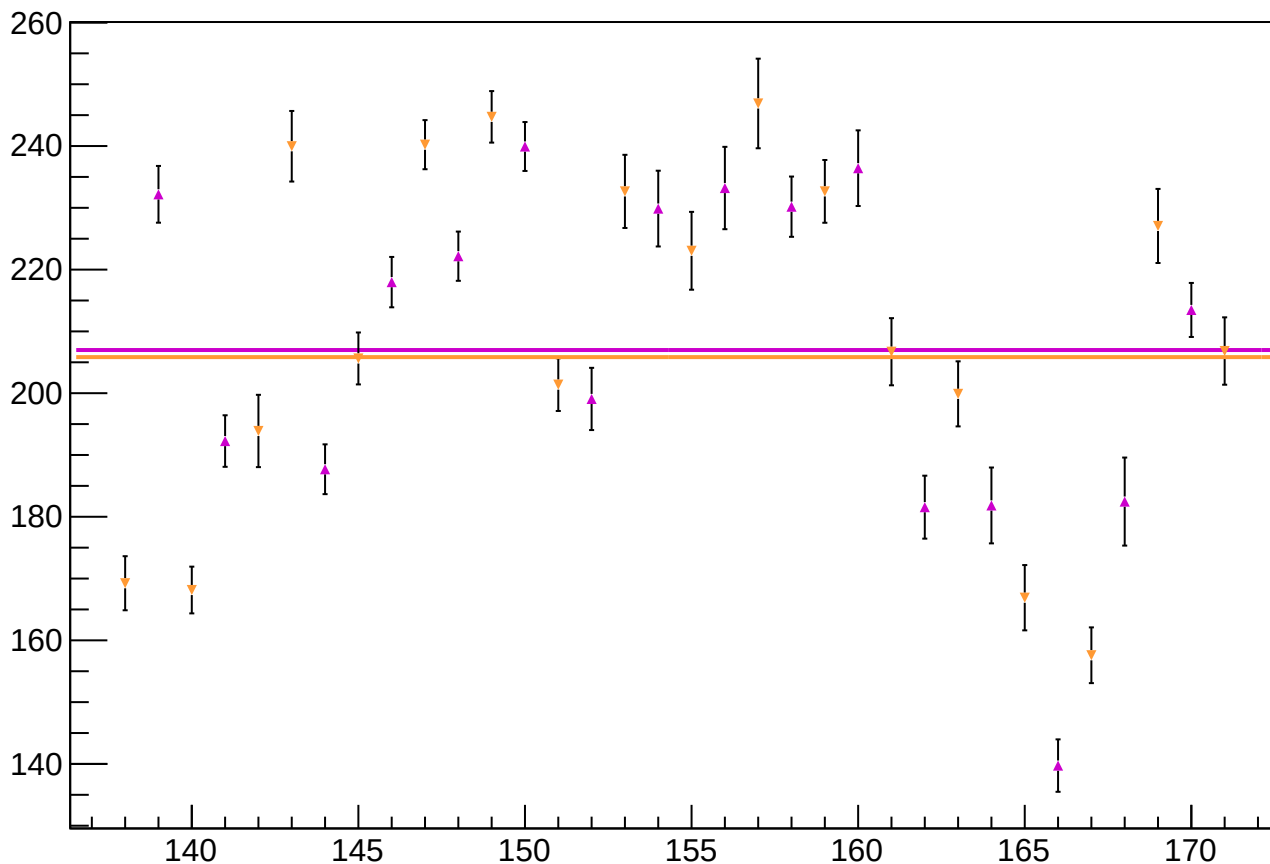
Left In: -142.935 ± 0.054 χ^2/NDF : 45280.8/15

+ sign -111.131 ± 0.042 χ^2/NDF : 2341345.8/34

All: -111.175 ± 0.030 χ^2/NDF : 4298282.2/69

- sign -111.221 ± 0.043 χ^2/NDF : 1956934.2/34

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 205.838+/-1.161 χ^2/NDF : 642.6/17

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

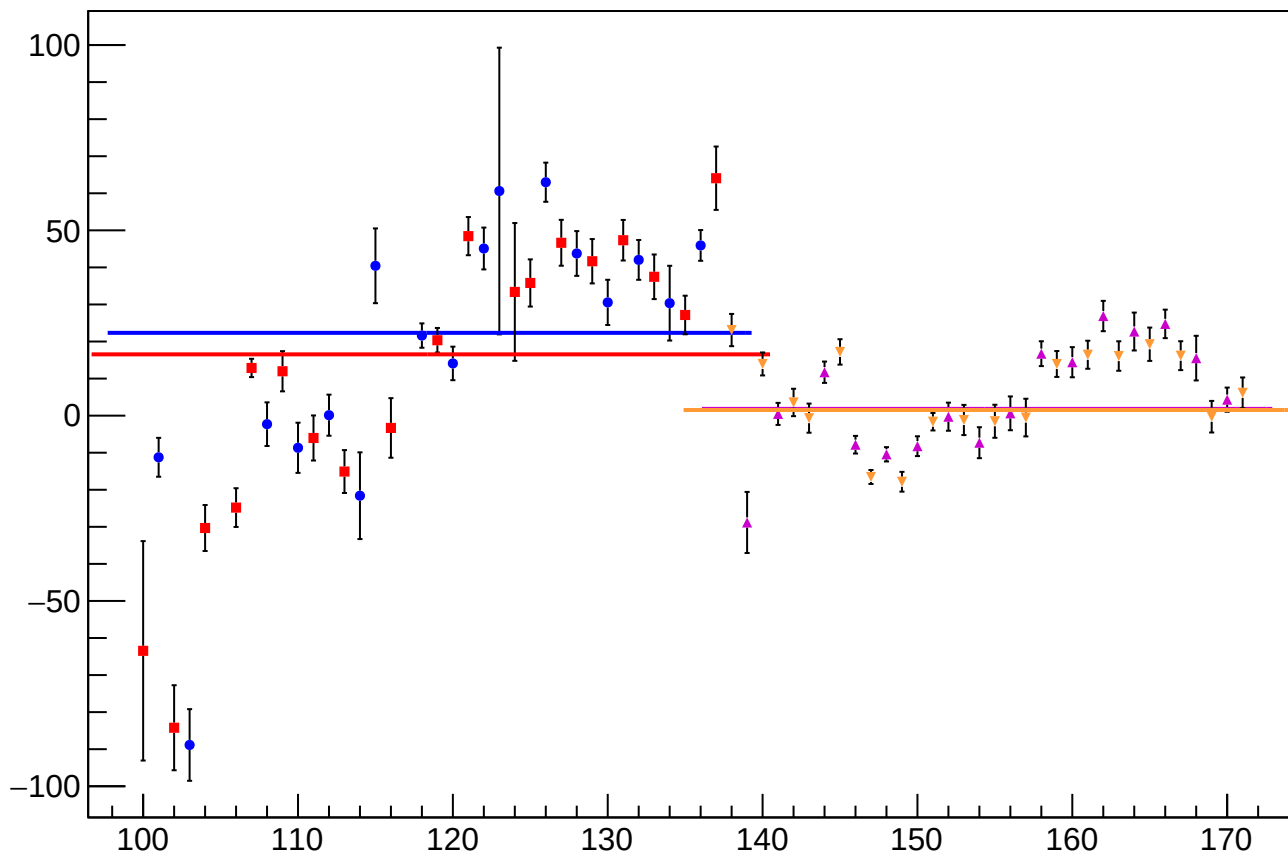
Left In: 206.986+/-1.192 χ^2/NDF : 541.2/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 206.397+/-0.832 χ^2/NDF : 1184.2/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 ± 1.395 χ^2/NDF : 385.8/16

Left Out: 1.522 ± 0.797 χ^2/NDF : 282.3/17

Right Out: 16.537 ± 1.227 χ^2/NDF : 426.6/18

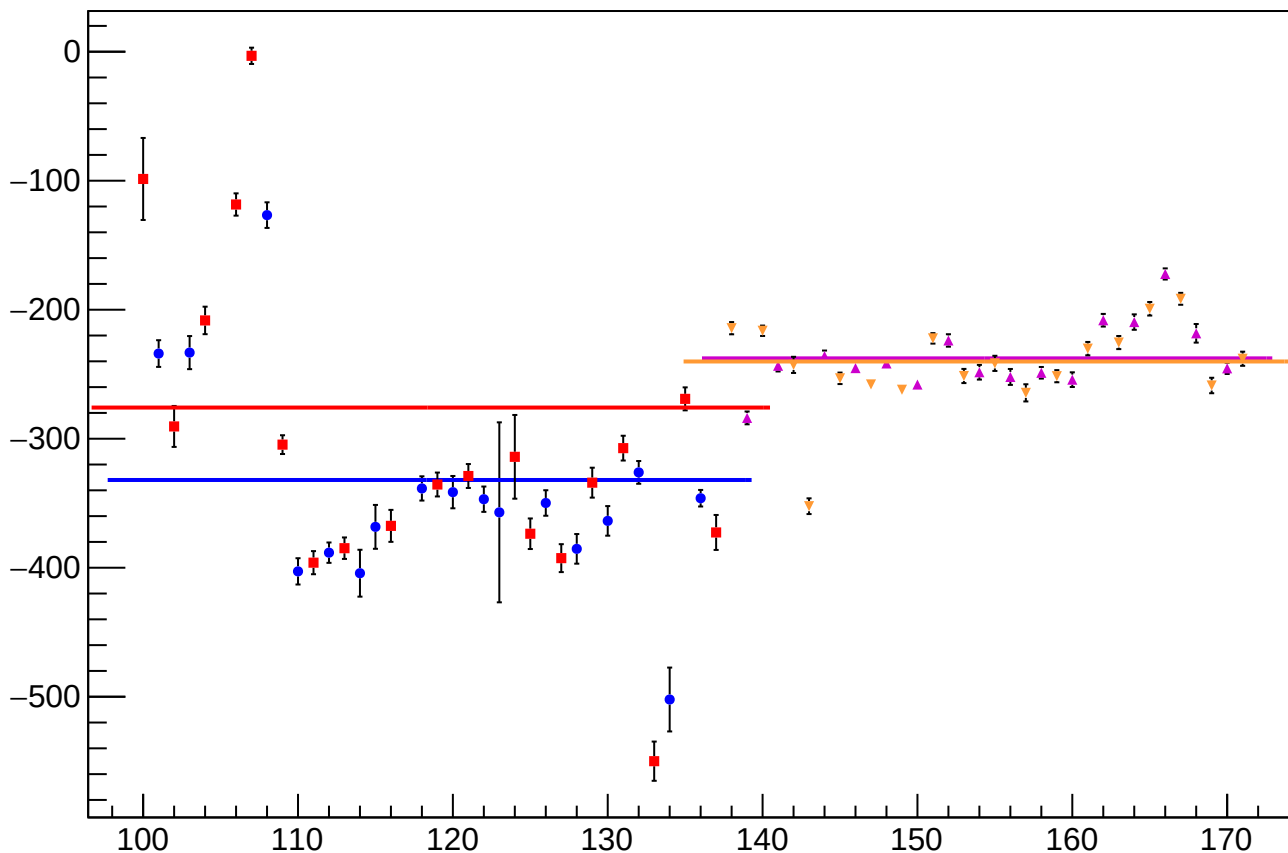
Left In: 1.825 ± 0.832 χ^2/NDF : 226.8/15

+ sign 6.643 ± 0.692 χ^2/NDF : 836.0/34

All: 6.549 ± 0.488 χ^2/NDF : 1587.9/69

- sign 6.456 ± 0.689 χ^2/NDF : 751.9/34

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 ± 2.580 χ^2/NDF : 785.0/16

Left Out: -240.131 ± 1.149 χ^2/NDF : 702.3/17

Right Out: -275.842 ± 2.325 χ^2/NDF : 3362.2/18

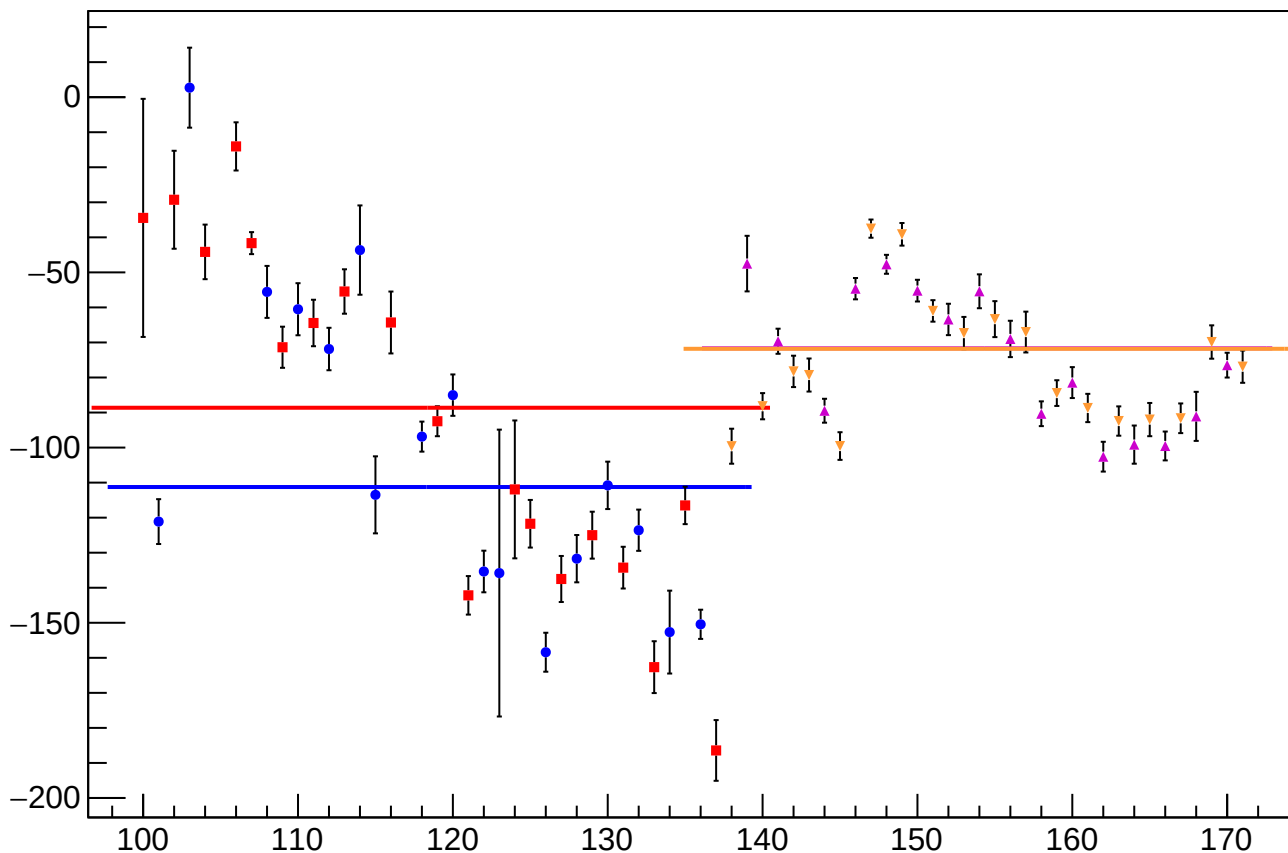
Left In: -237.713 ± 1.170 χ^2/NDF : 452.7/15

+ sign -255.327 ± 1.049 χ^2/NDF : 2545.1/34

All: -250.355 ± 0.741 χ^2/NDF : 6619.4/69

- sign -245.423 ± 1.045 χ^2/NDF : 4029.6/34

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -71.809 ± 0.945 χ^2/NDF : 492.9/17

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

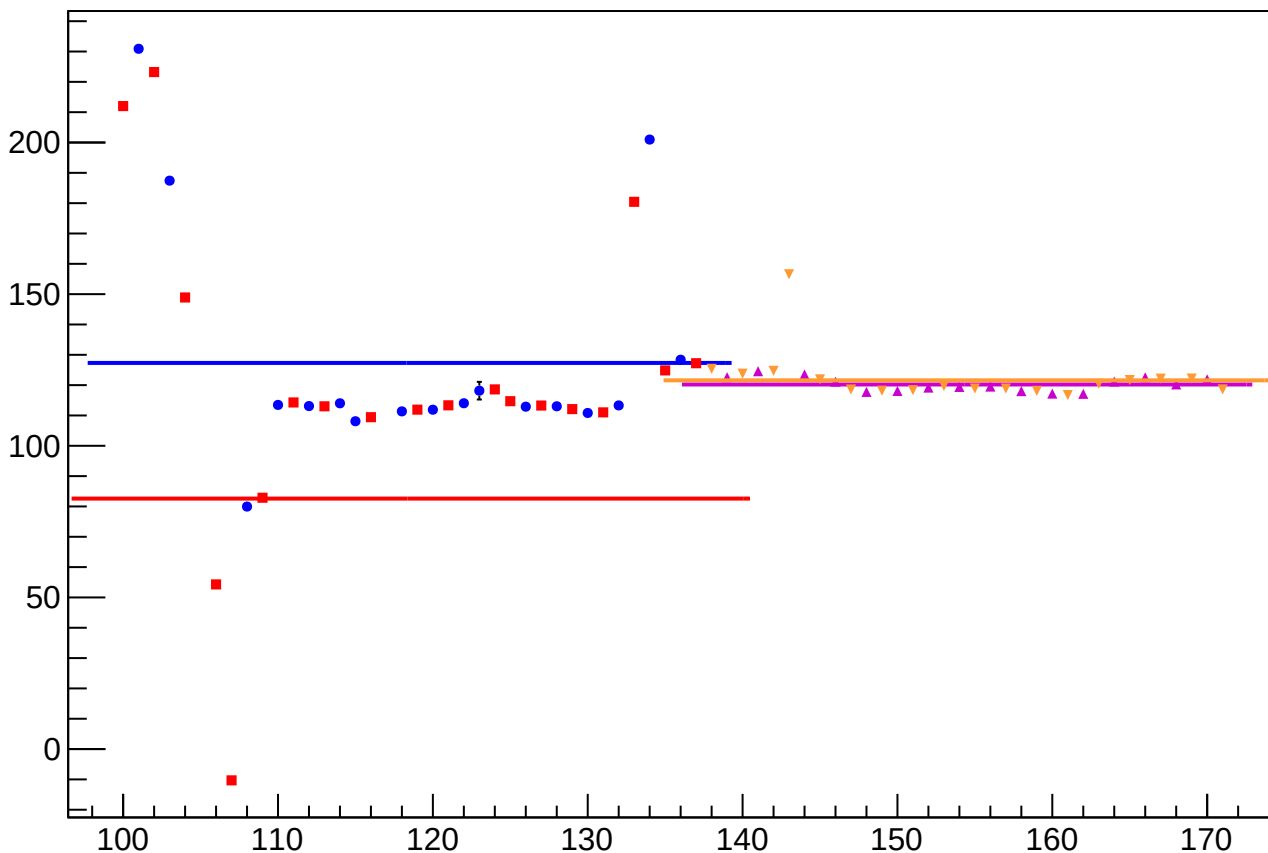
Left In: -71.674 ± 0.981 χ^2/NDF : 356.7/15

+ sign -82.038 ± 0.813 χ^2/NDF : 1454.3/34

All: -79.552 ± 0.574 χ^2/NDF : 2895.8/69

- sign -77.087 ± 0.810 χ^2/NDF : 1423.0/34

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 121.585+/-0.046 χ^2/NDF : 23933.3/17

Right Out: 82.595+/-0.075 χ^2/NDF : 765022.5/18

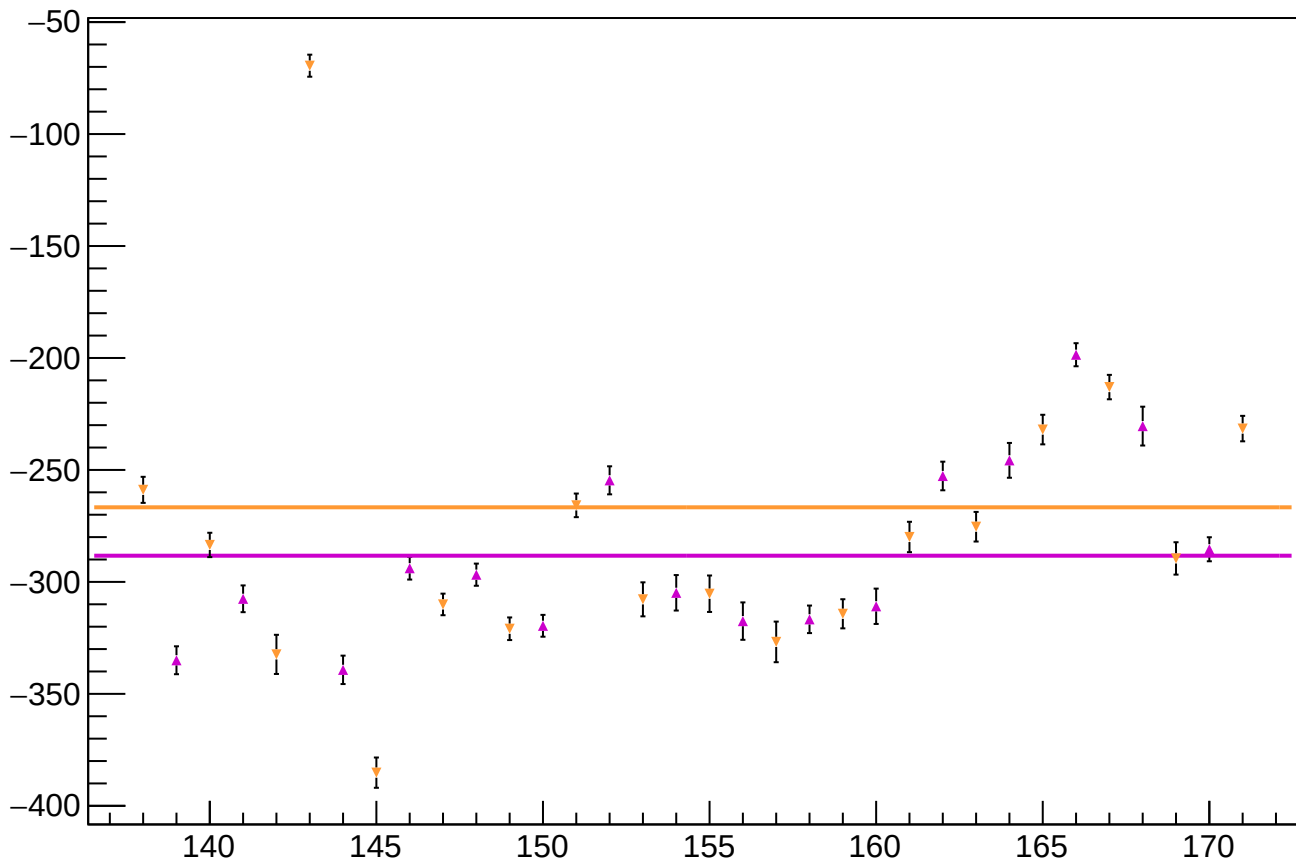
Left In: 120.216+/-0.047 χ^2/NDF : 2513.6/15

+ sign 122.775+/-0.041 χ^2/NDF : 214971.9/34

All: 116.119+/-0.028 χ^2/NDF : 1214767.3/69

- sign 109.821+/-0.040 χ^2/NDF : 947827.2/34

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -266.690+/-1.448 χ^2/NDF : 2503.0/17

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

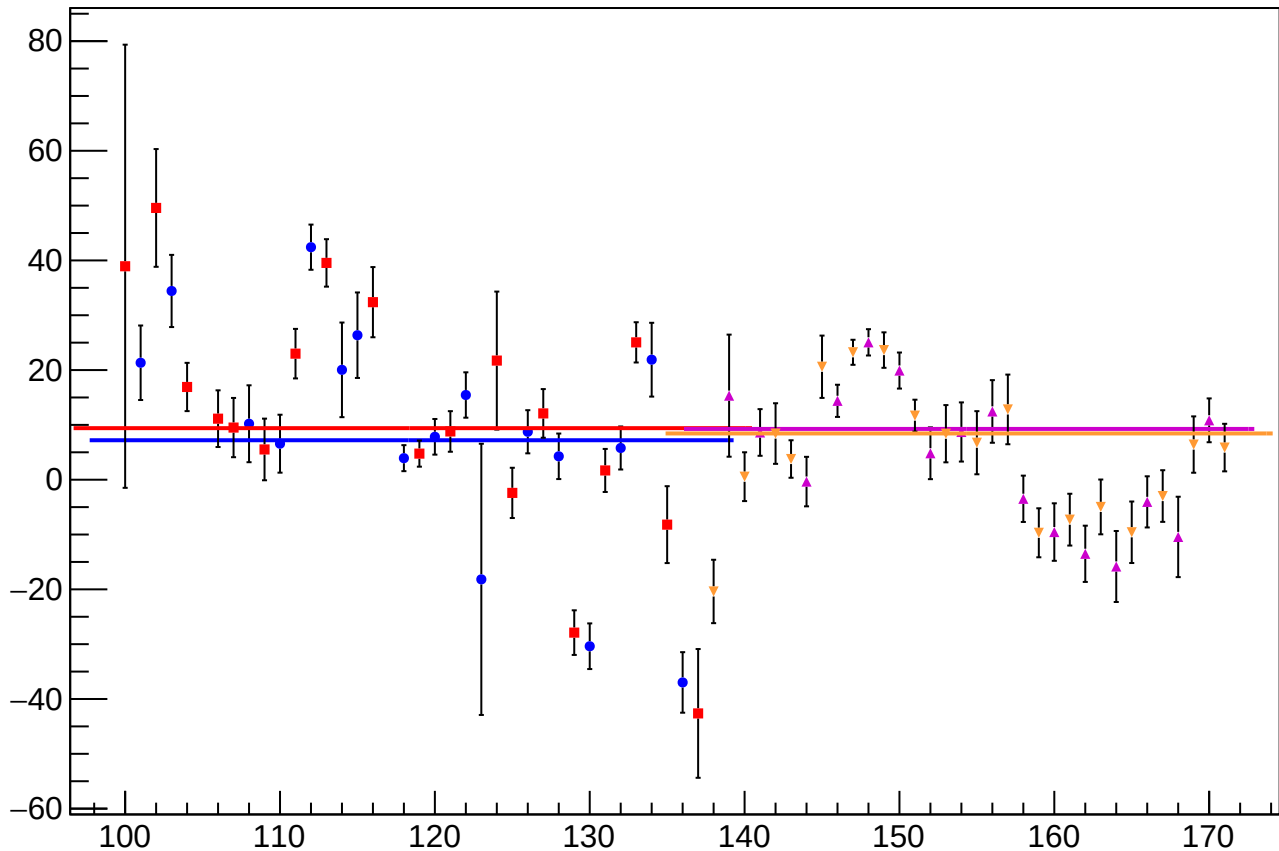
Left In: -288.301+/-1.533 χ^2/NDF : 660.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -276.875+/-1.053 χ^2/NDF : 3268.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 8.437 ± 0.986 χ^2/NDF : 151.8/17

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

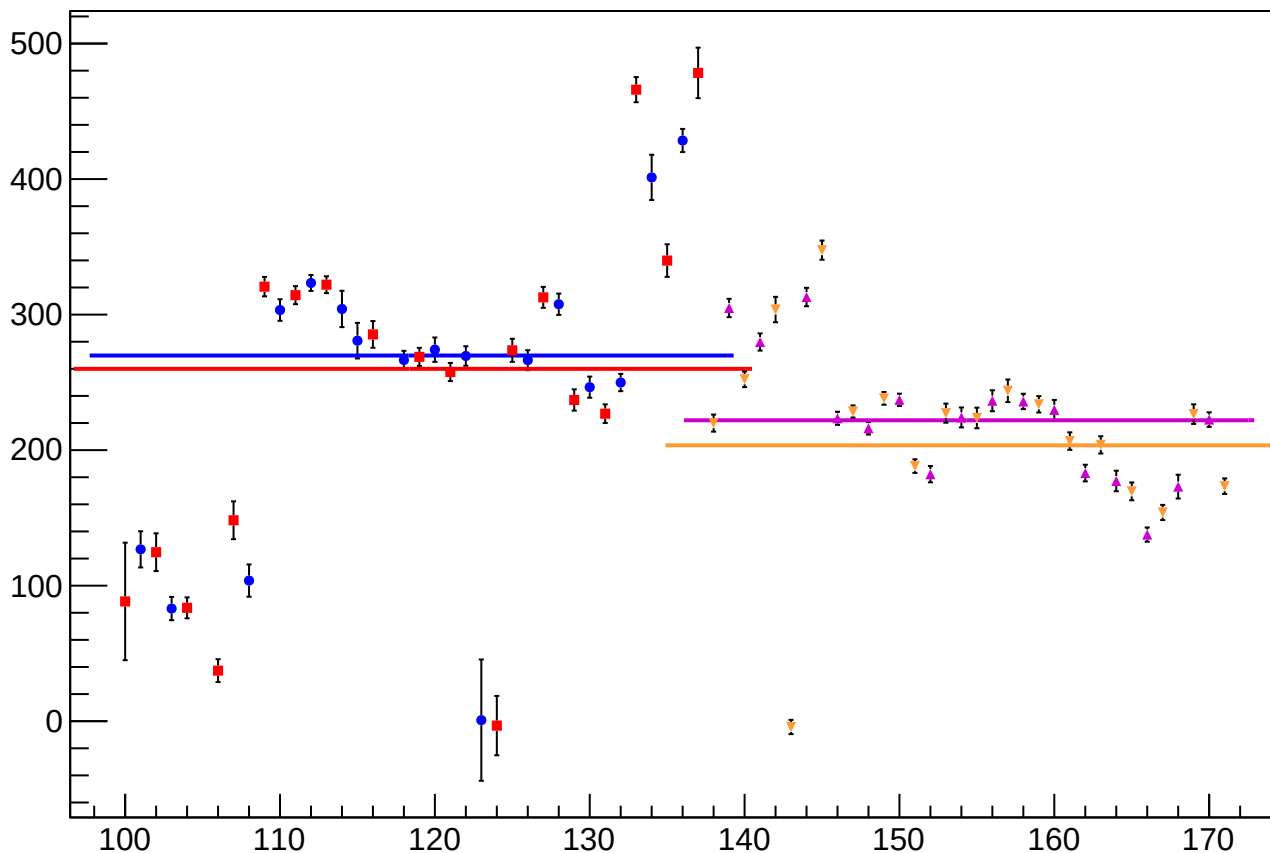
Left In: 9.263 ± 1.063 χ^2/NDF : 135.1/15

+ sign 7.888 ± 0.735 χ^2/NDF : 413.4/34

All: 8.591 ± 0.526 χ^2/NDF : 782.5/69

- sign 9.332 ± 0.754 χ^2/NDF : 367.2/34

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 ± 2.089 $\chi^2/\text{NDF}: 1374.1/16$

Left Out: 203.554 ± 1.430 $\chi^2/\text{NDF}: 2473.7/17$

Right Out: 259.980 ± 1.977 $\chi^2/\text{NDF}: 2538.6/18$

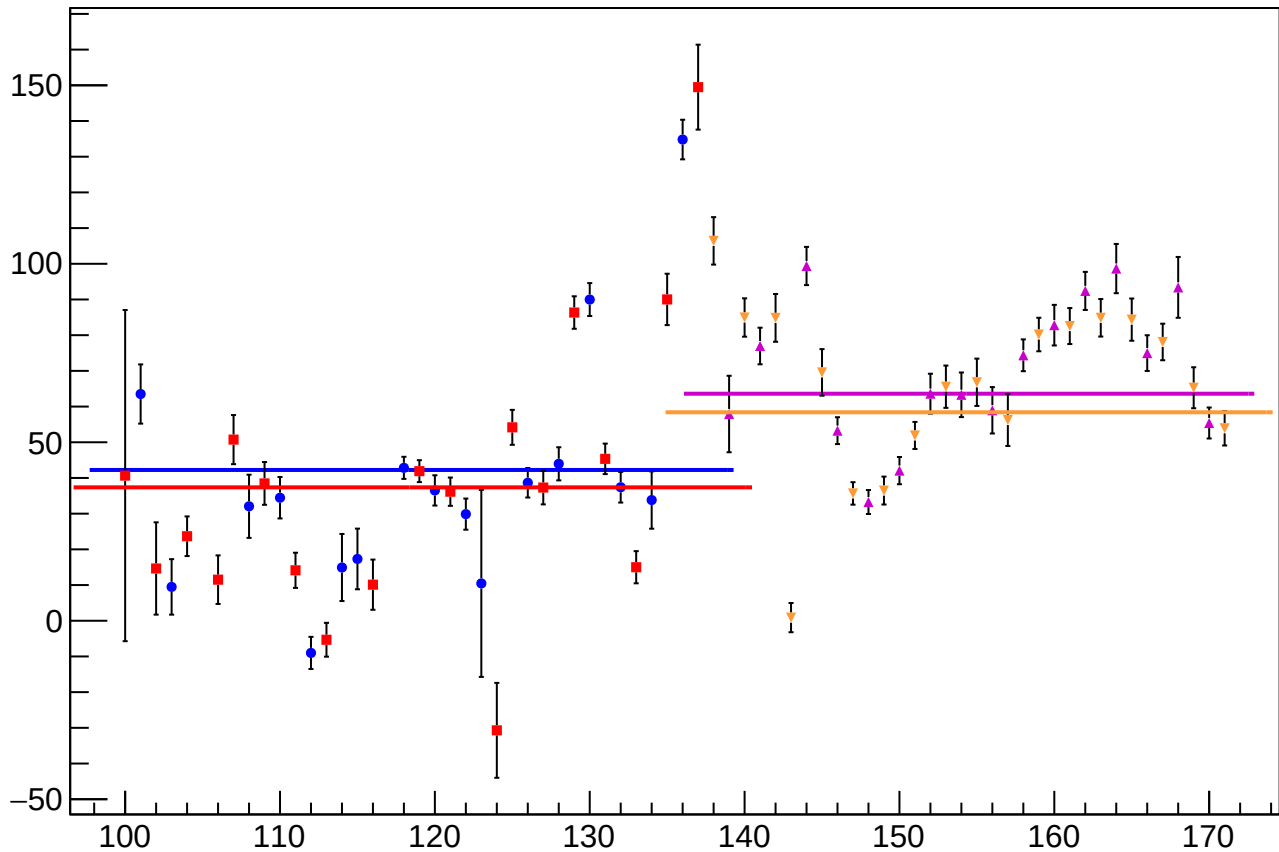
Left In: 222.023 ± 1.498 $\chi^2/\text{NDF}: 844.1/15$

+ sign 224.688 ± 1.180 $\chi^2/\text{NDF}: 4532.7/34$

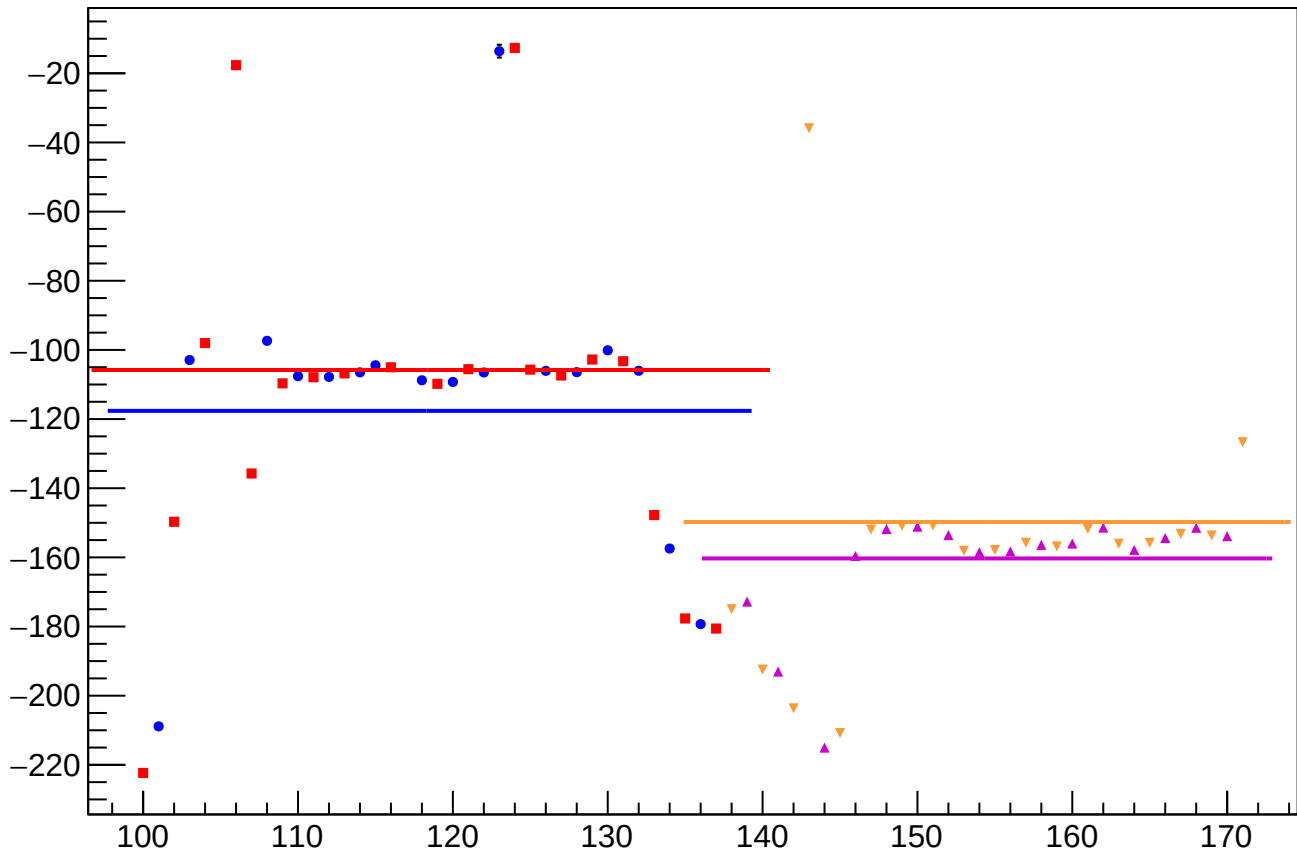
All: 230.211 ± 0.839 $\chi^2/\text{NDF}: 8194.1/69$

- sign 235.863 ± 1.194 $\chi^2/\text{NDF}: 3617.0/34$

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -149.773+/-0.057 χ^2/NDF : 418057.8/17

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

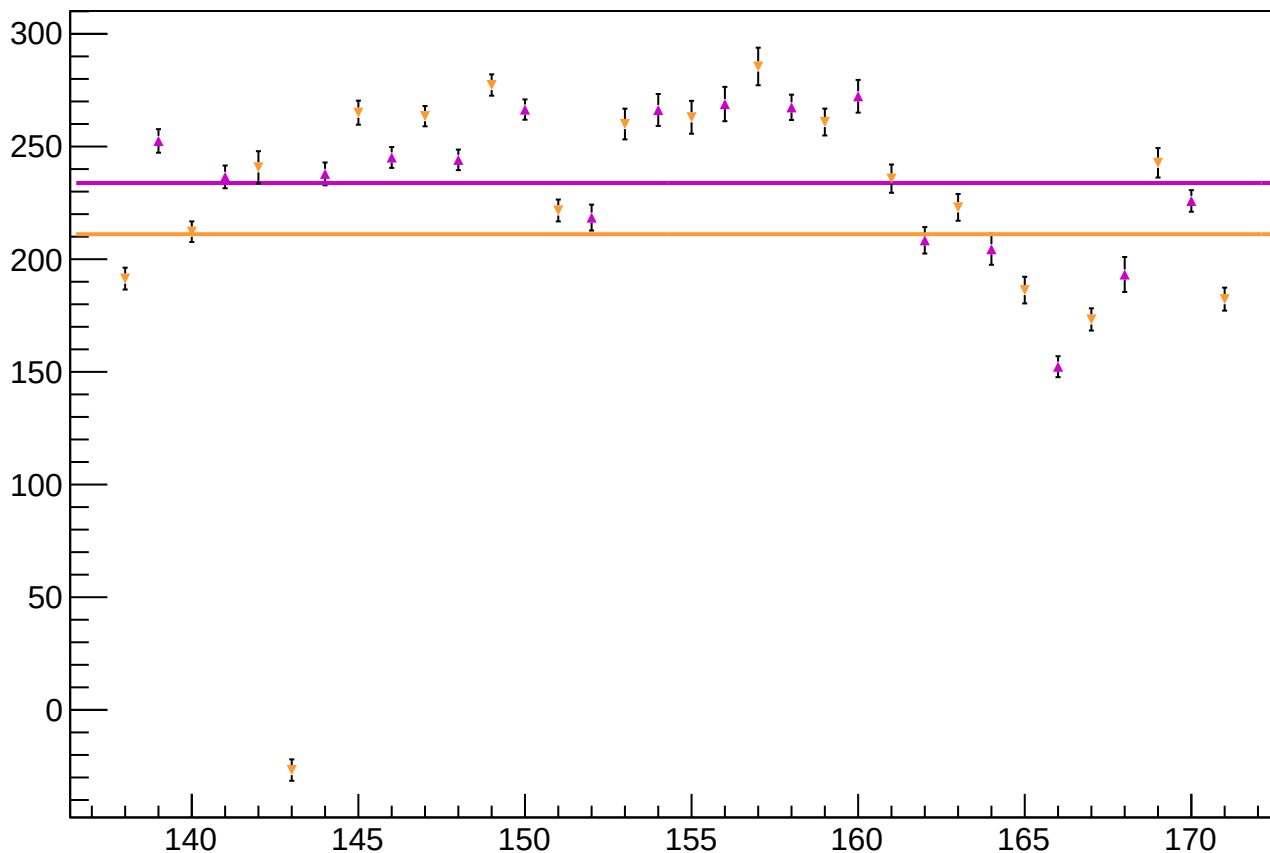
Left In: -160.310+/-0.060 χ^2/NDF : 62313.9/15

+ sign -138.714+/-0.046 χ^2/NDF : 669870.5/34

All: -138.577+/-0.033 χ^2/NDF : 1390779.0/69

- sign -138.440+/-0.046 χ^2/NDF : 720890.9/34

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 211.089+/-1.298 χ^2/NDF : 3376.3/17

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

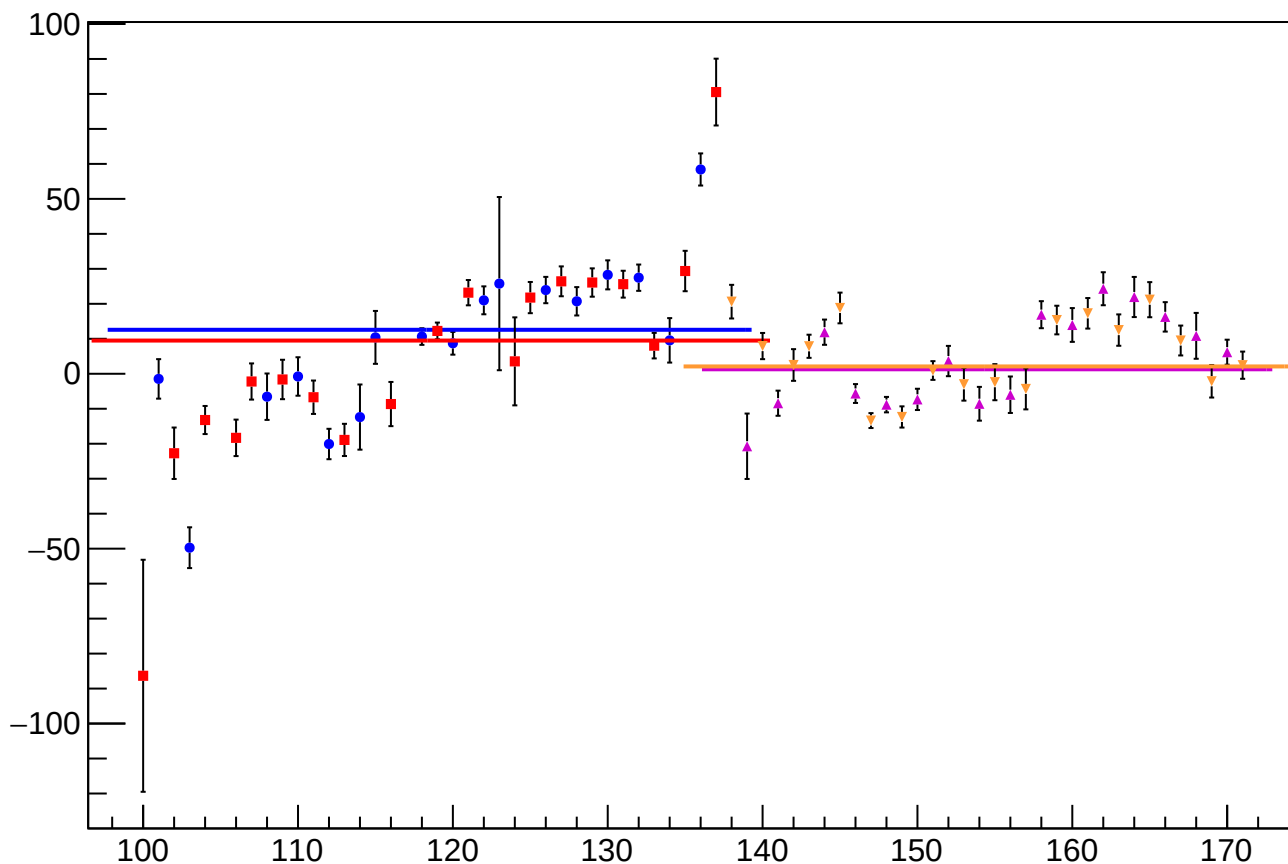
Left In: 233.821+/-1.369 χ^2/NDF : 564.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 221.847+/-0.942 χ^2/NDF : 4086.1/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 2.095 $\pm$ 0.892 χ^2 /NDF: 159.8/17

Right Out: 9.493 $\pm$ 1.047 χ^2 /NDF: 295.8/18

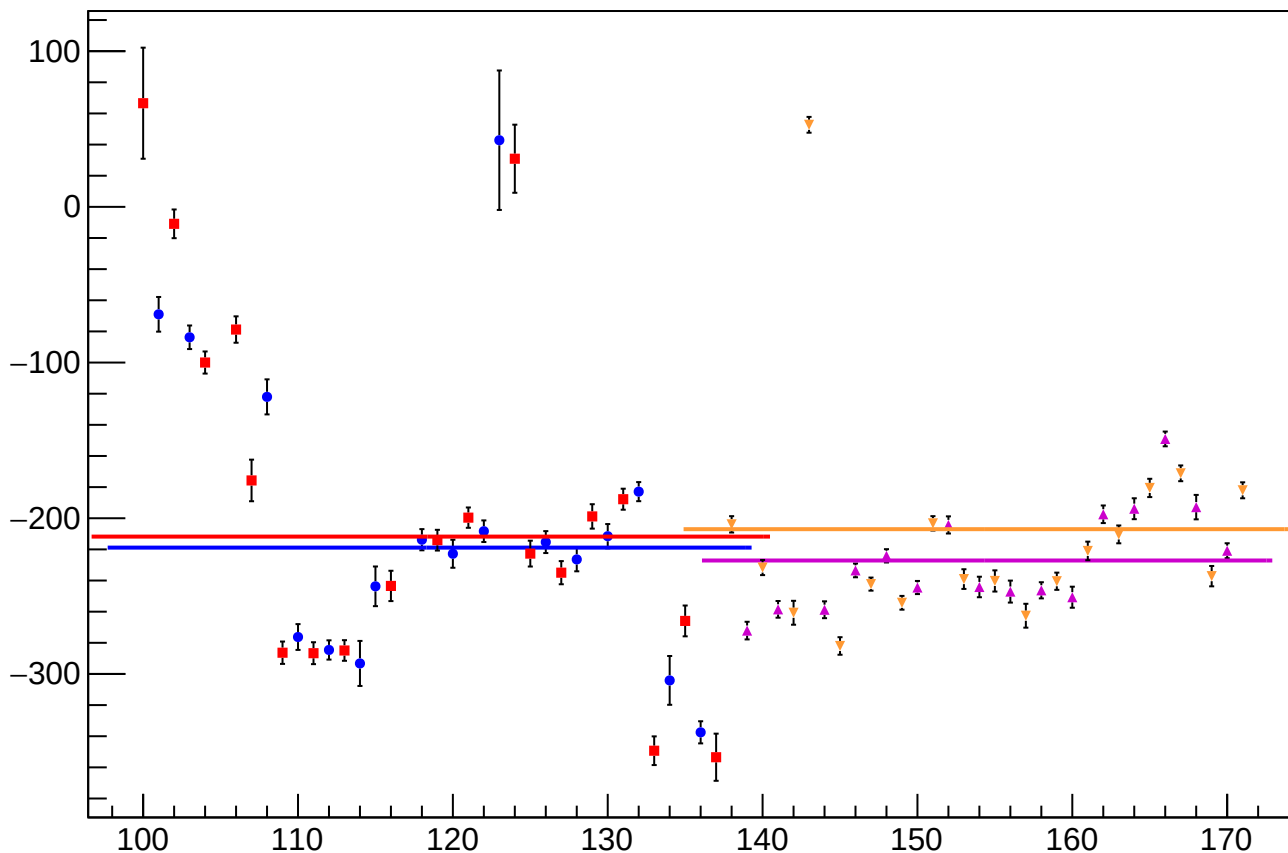
Left In: 1.280 $\pm$ 0.957 χ^2 /NDF: 140.1/15

+ sign 6.374 $\pm$ 0.686 χ^2 /NDF: 564.1/34

All: 5.714 $\pm$ 0.492 χ^2 /NDF: 1035.5/69

- sign 5.016 $\pm$ 0.706 χ^2 /NDF: 469.4/34

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -207.013 ± 1.286 $\chi^2/\text{NDF}: 3316.3/17$

Right Out: -211.780 ± 1.924 $\chi^2/\text{NDF}: 1885.2/18$

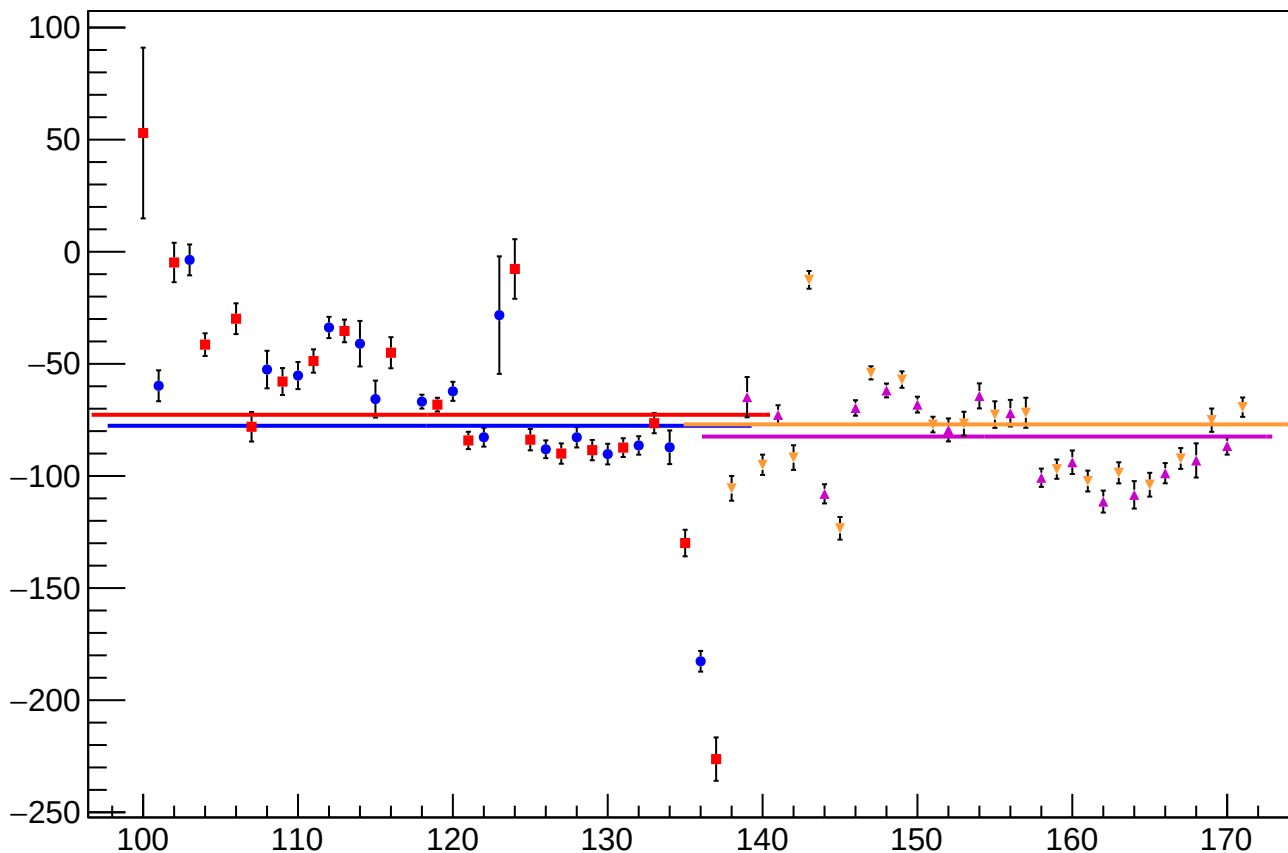
Left In: -227.131 ± 1.342 $\chi^2/\text{NDF}: 553.5/15$

+ sign -210.423 ± 1.085 $\chi^2/\text{NDF}: 4487.3/34$

All: -216.182 ± 0.773 $\chi^2/\text{NDF}: 7025.9/69$

- sign -222.106 ± 1.101 $\chi^2/\text{NDF}: 2481.5/34$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -76.998 ± 1.057 χ^2/NDF : 603.9/17

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

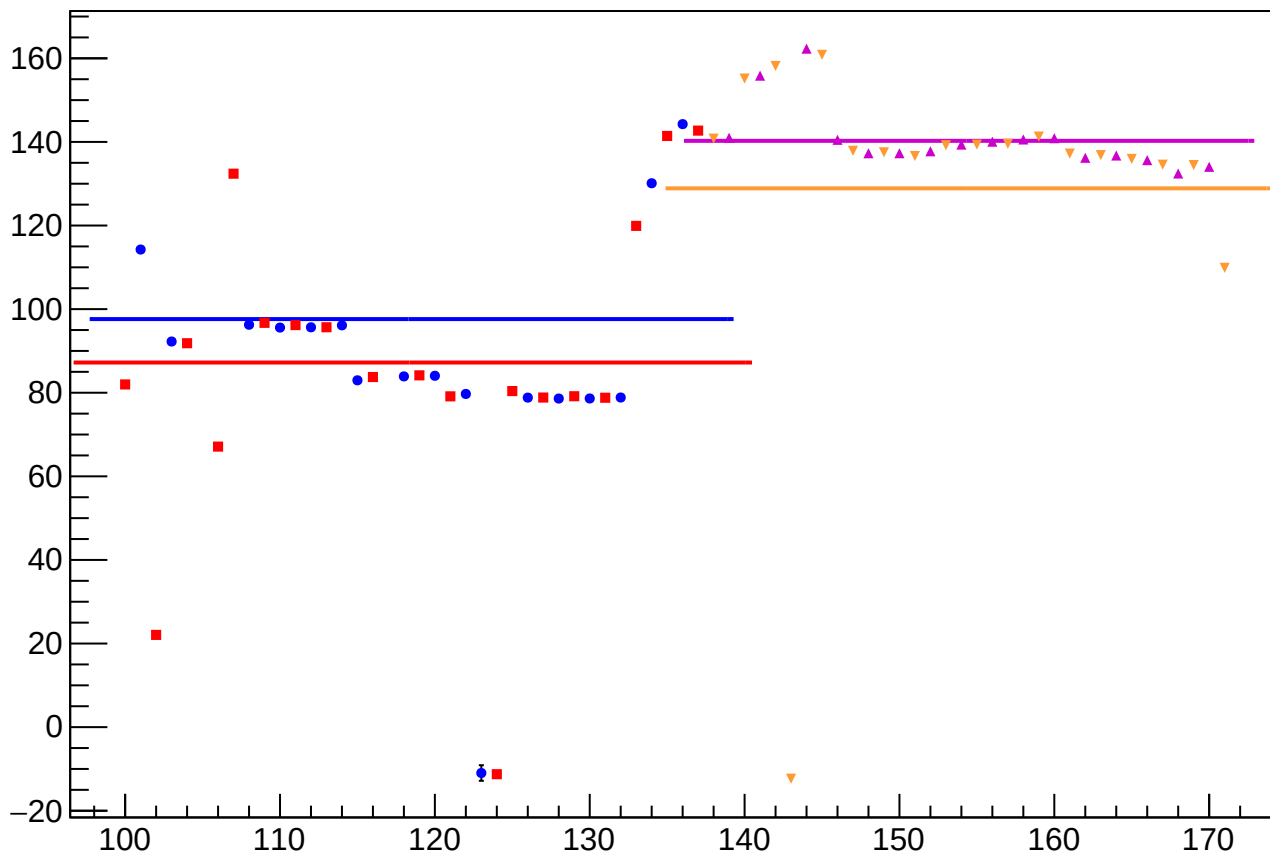
Left In: -82.421 ± 1.128 χ^2/NDF : 227.0/15

+ sign -77.257 ± 0.804 χ^2/NDF : 1420.0/34

All: -77.566 ± 0.575 χ^2/NDF : 2353.2/69

- sign -77.891 ± 0.824 χ^2/NDF : 933.0/34

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2/NDF : 94045.2/16

Left Out: 128.895 $\pm$ 0.051 χ^2/NDF : 562758.3/17

Right Out: 87.226 $\pm$ 0.068 χ^2/NDF : 220850.5/18

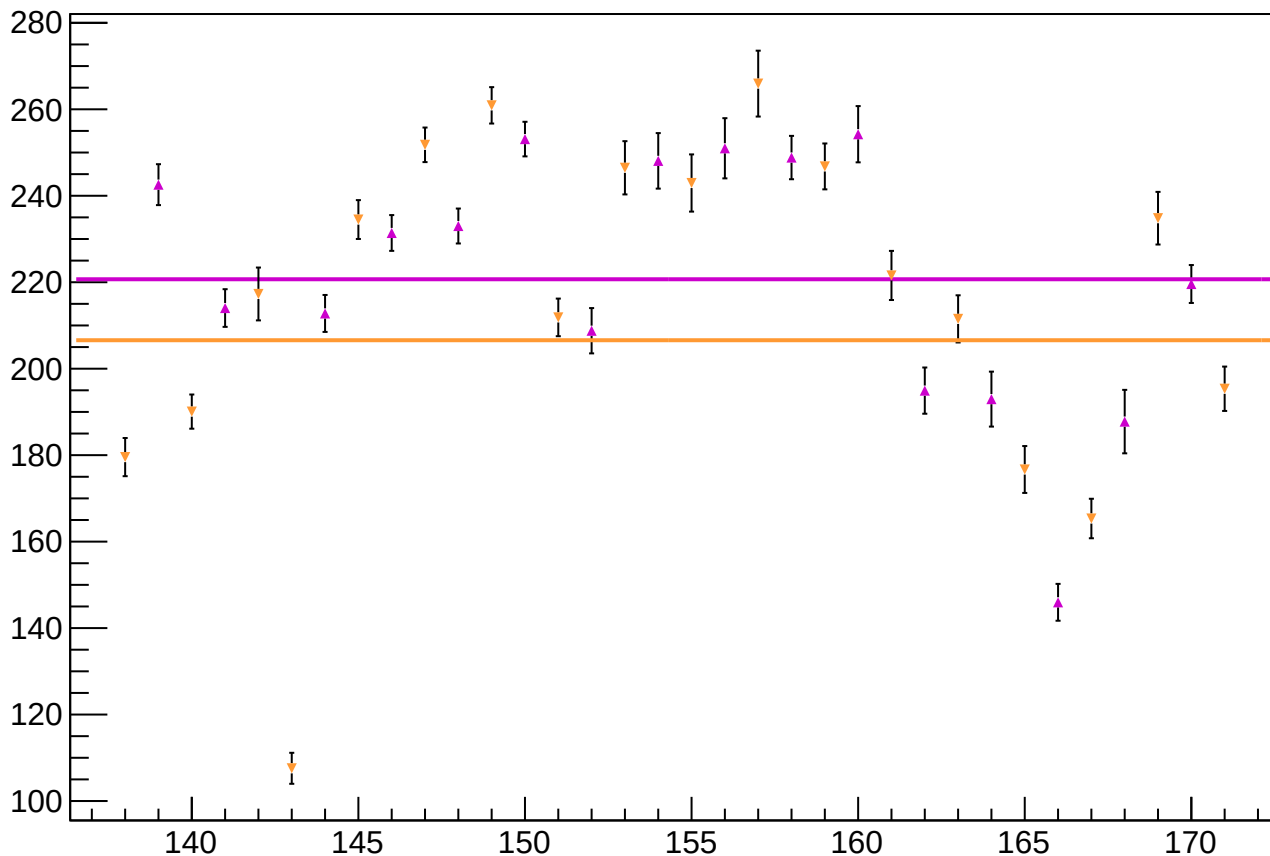
Left In: 140.260 $\pm$ 0.053 χ^2/NDF : 17474.4/15

+ sign 118.744 $\pm$ 0.042 χ^2/NDF : 778396.4/34

All: 119.437 $\pm$ 0.030 χ^2/NDF : 1391717.3/69

- sign 120.133 $\pm$ 0.042 χ^2/NDF : 612774.8/34

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



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

Left Out: 206.584+/-1.151 χ^2/NDF :1491.5/17

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

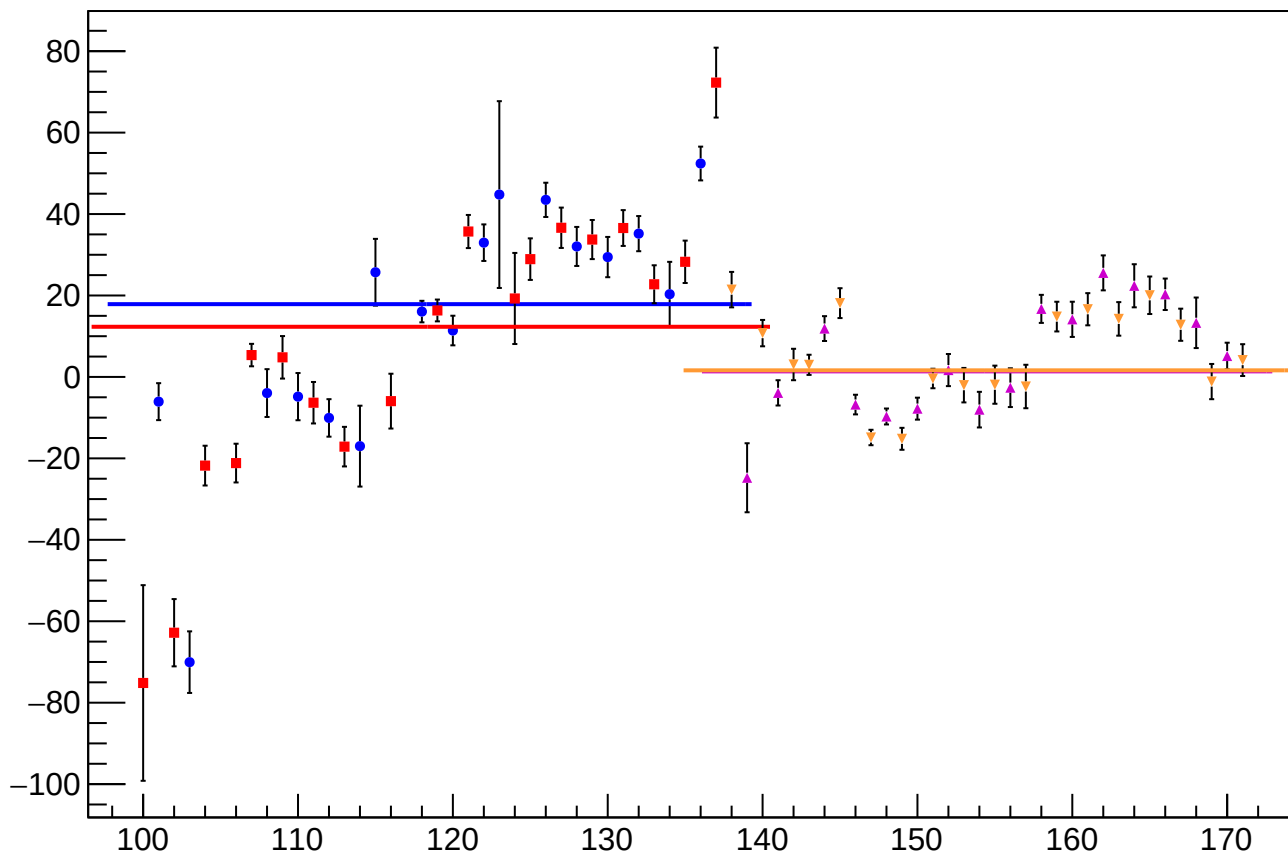
Left In: 220.687+/-1.227 χ^2/NDF :578.9/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 213.186+/-0.840 χ^2/NDF : 2140.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.872 $\pm$ 1.166 χ^2 /NDF: 395.3/16

Left Out: 1.618 $\pm$ 0.789 χ^2 /NDF: 228.5/17

Right Out: 12.317 $\pm$ 1.083 χ^2 /NDF: 444.0/18

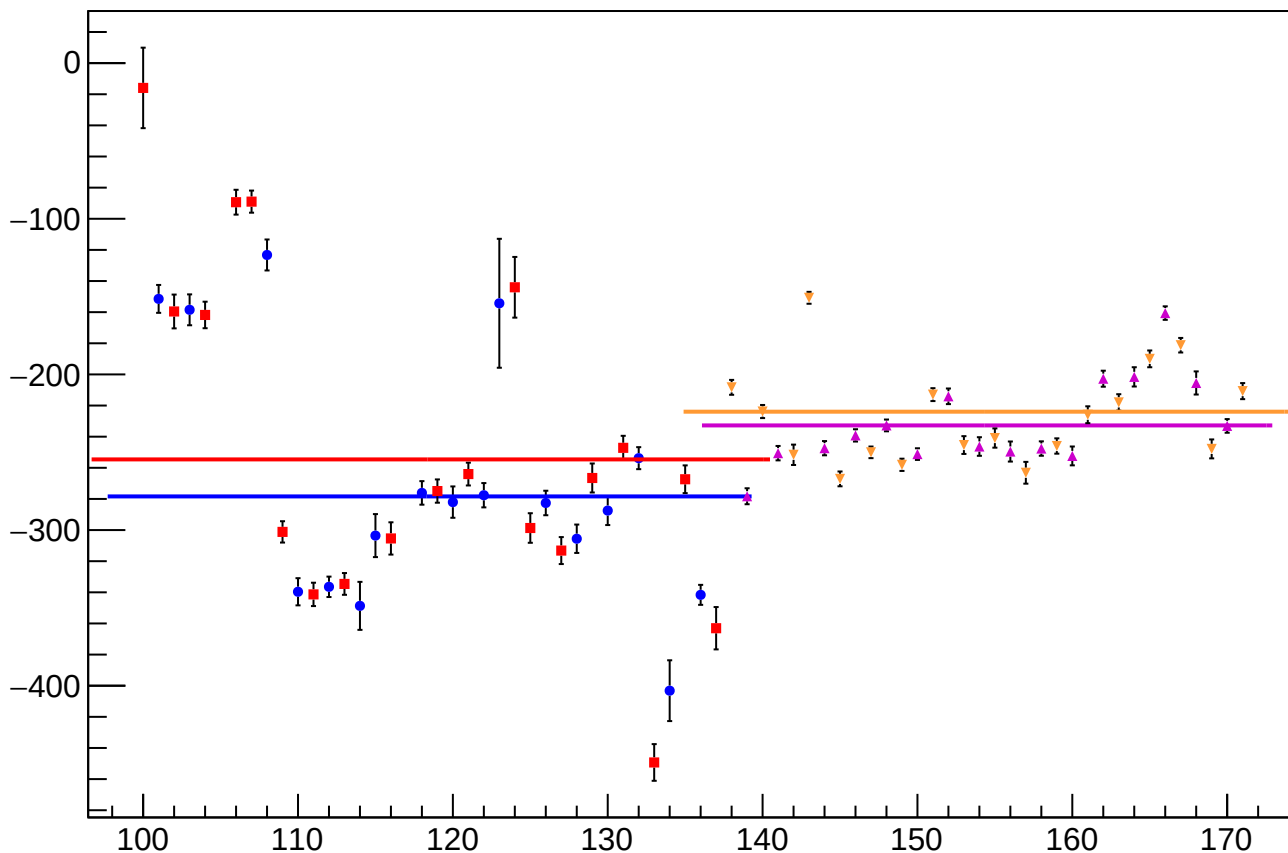
Left In: 1.362 $\pm$ 0.854 χ^2 /NDF: 189.7/15

+ sign 6.720 $\pm$ 0.653 χ^2 /NDF: 757.3/34

All: 6.156 $\pm$ 0.468 χ^2 /NDF: 1455.6/69

- sign 5.562 $\pm$ 0.671 χ^2 /NDF: 696.8/34

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 ± 2.185 χ^2/NDF : 910.6/16

Left Out: -223.943 ± 1.144 χ^2/NDF : 827.2/17

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

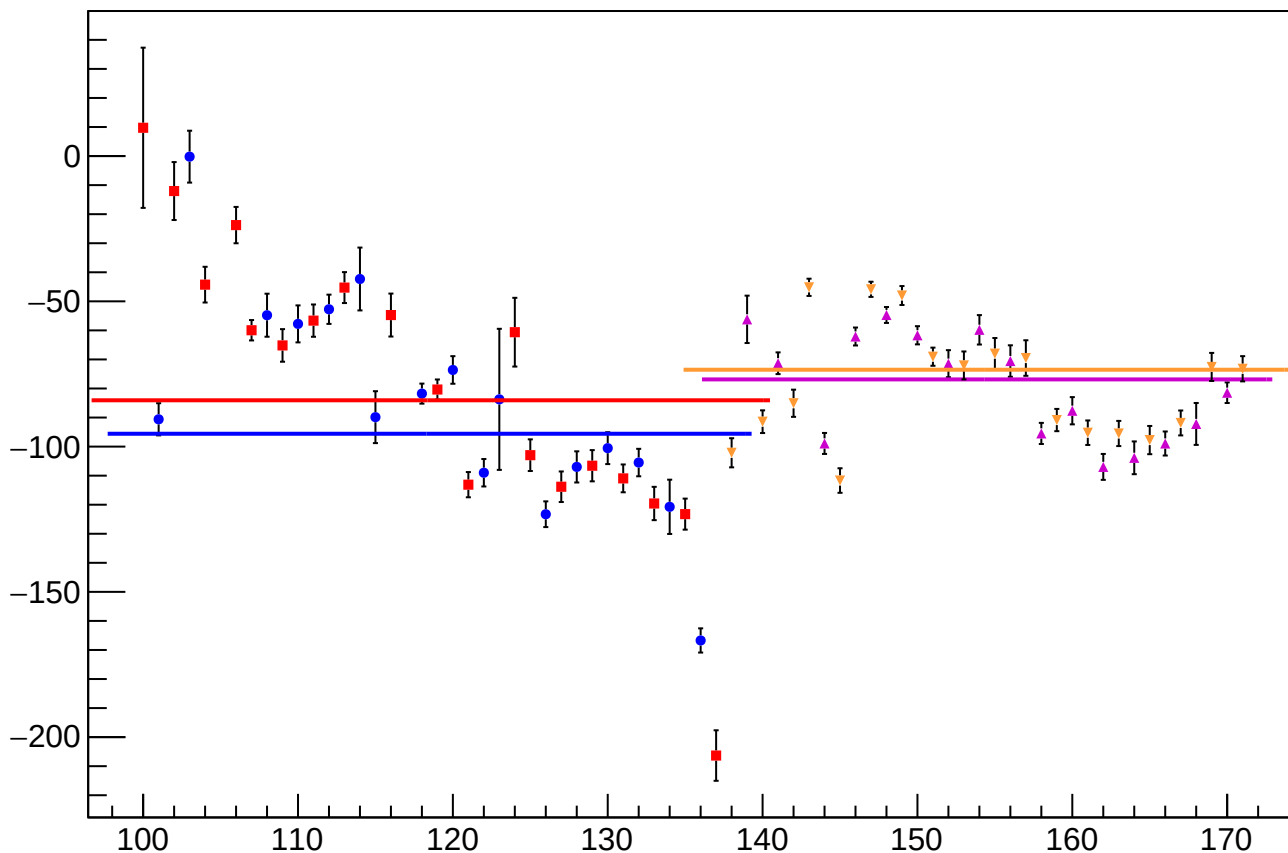
Left In: -232.767 ± 1.204 χ^2/NDF : 526.4/15

+ sign -235.659 ± 1.014 χ^2/NDF : 2224.9/34

All: -237.047 ± 0.724 χ^2/NDF : 4878.9/69

- sign -238.490 ± 1.034 χ^2/NDF : 2650.2/34

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -73.540 ± 0.937 χ^2/NDF : 525.6/17

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

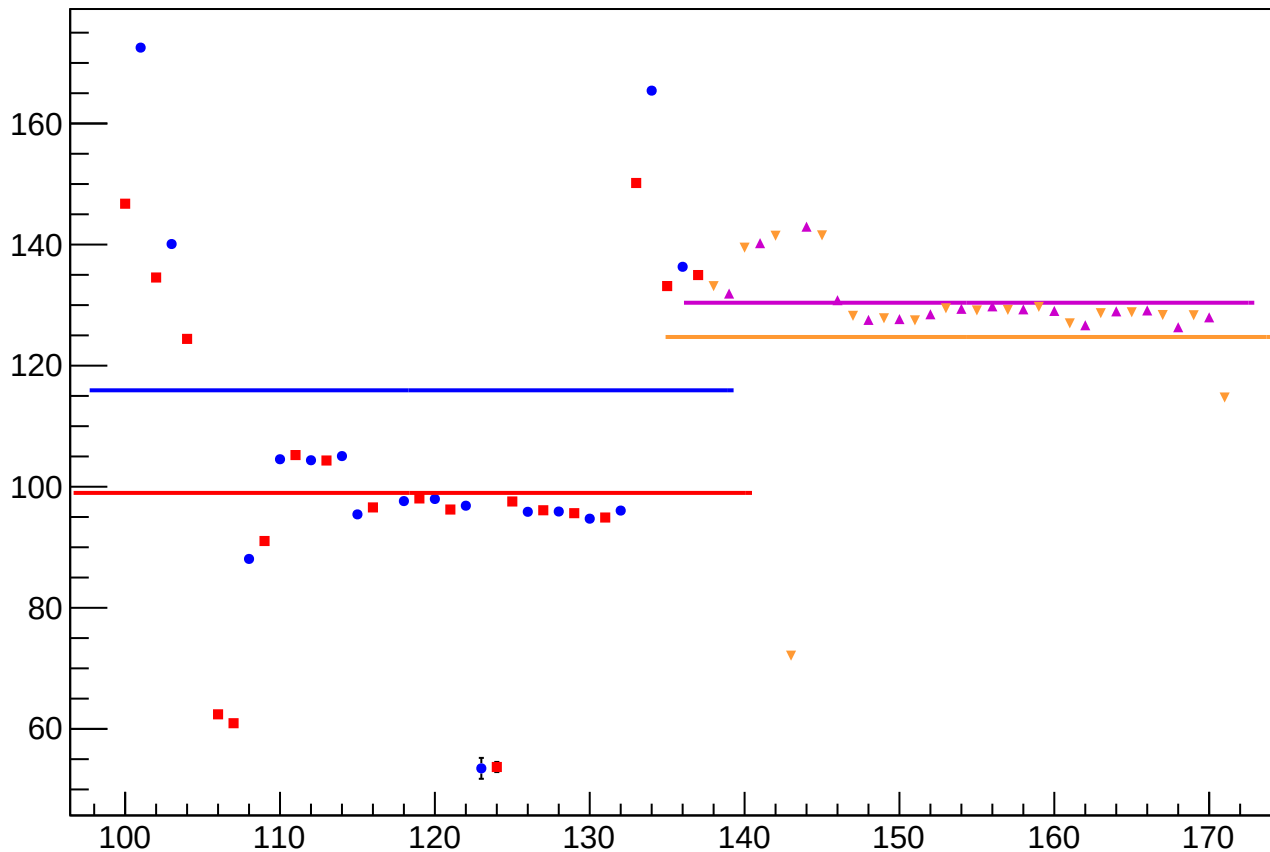
Left In: -76.872 ± 1.009 χ^2/NDF : 306.4/15

+ sign -80.774 ± 0.768 χ^2/NDF : 1378.3/34

All: -80.245 ± 0.550 χ^2/NDF : 2488.8/69

- sign -79.690 ± 0.787 χ^2/NDF : 1109.5/34

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.927 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 124.735 $\pm$ 0.046 χ^2 /NDF: 145680.8/17

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

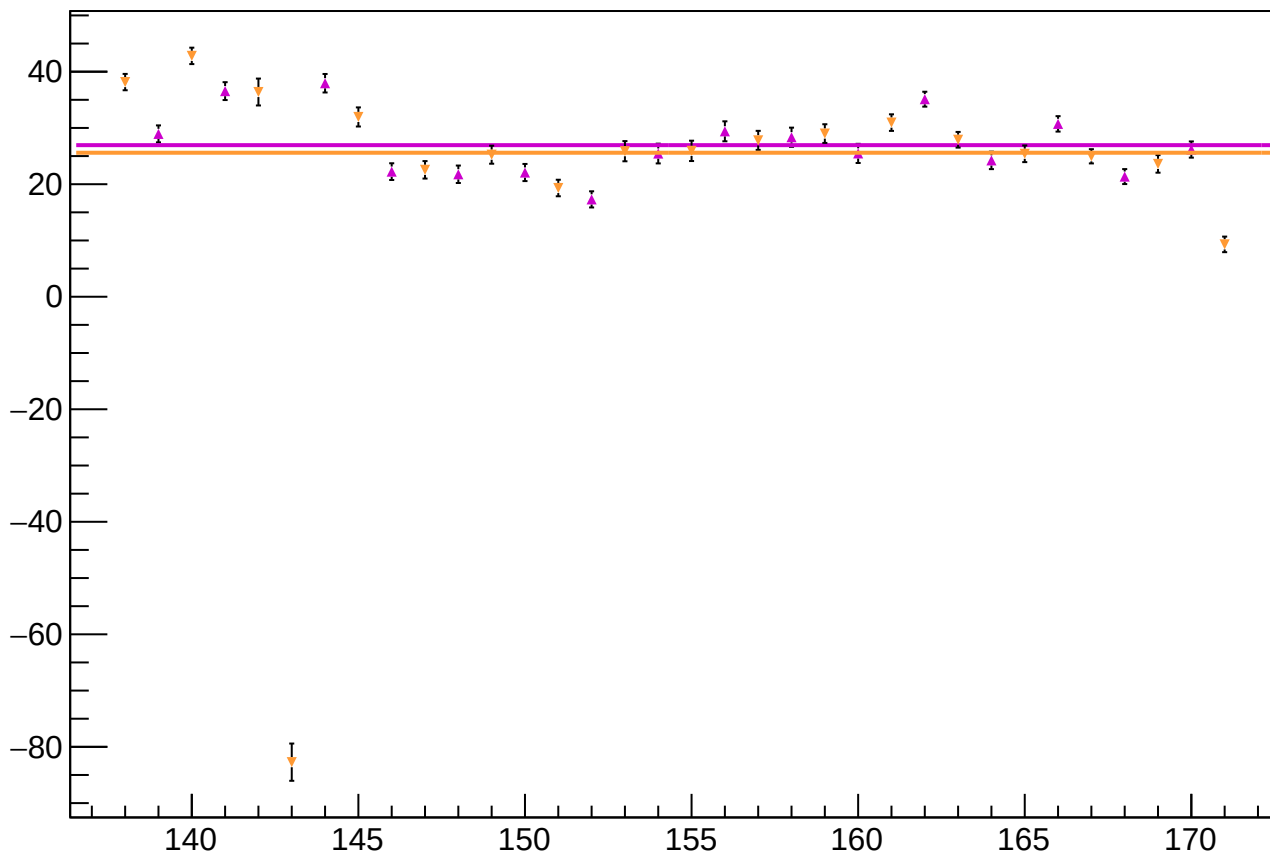
Left In: 130.392 $\pm$ 0.048 χ^2 /NDF: 8420.3/15

+ sign 122.508 $\pm$ 0.039 χ^2 /NDF: 260897.3/34

All: 121.284 $\pm$ 0.028 χ^2 /NDF: 585164.8/69

- sign 120.068 $\pm$ 0.039 χ^2 /NDF: 322347.1/34

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



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

Left Out: 25.594+/-0.374 χ^2/NDF :1503.5/17

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

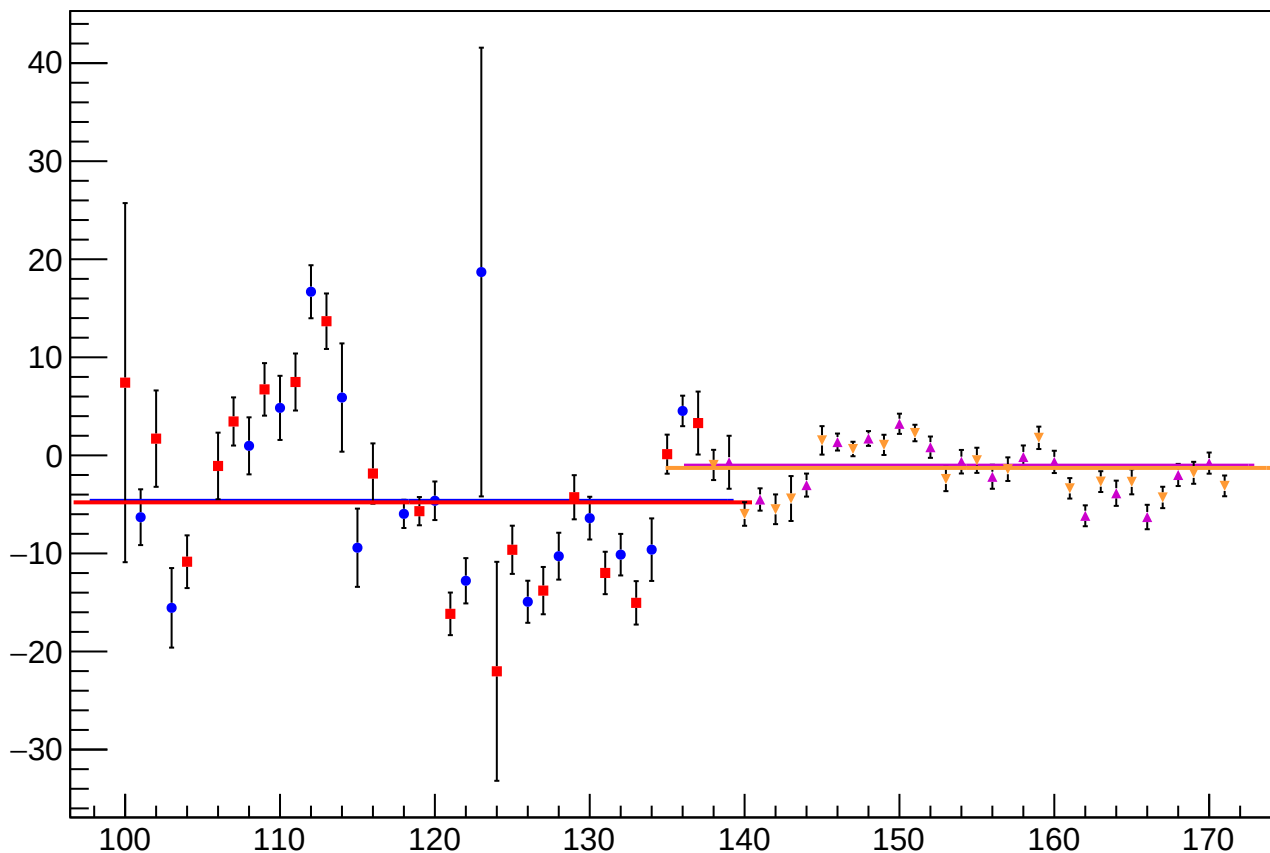
Left In: 26.942+/-0.381 χ^2/NDF :230.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 26.256+/-0.267 χ^2/NDF : 1740.2/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -1.280 ± 0.266 χ^2/NDF : 84.8/17

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

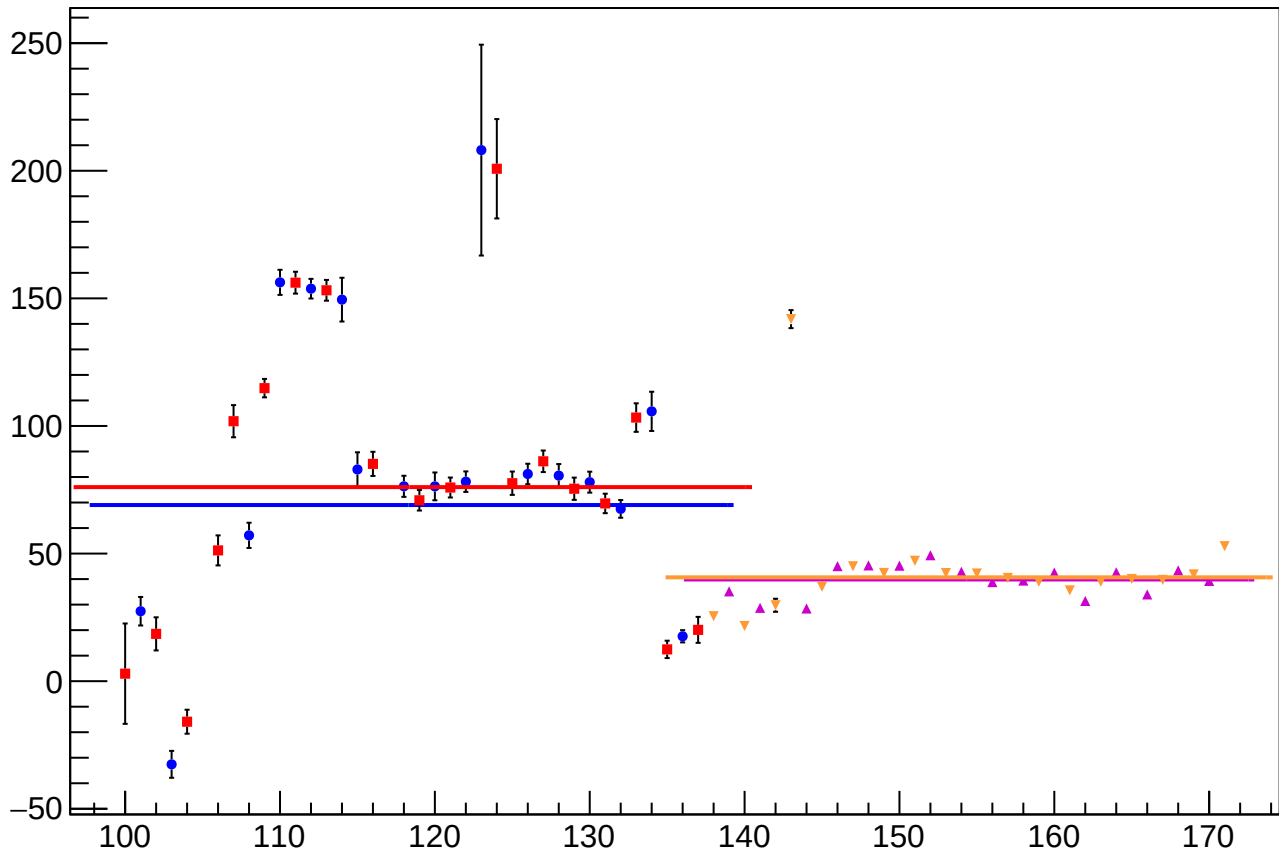
Left In: -1.048 ± 0.276 χ^2/NDF : 101.4/15

+ sign -1.853 ± 0.243 χ^2/NDF : 286.3/34

All: -1.793 ± 0.174 χ^2/NDF : 613.8/69

- sign -1.729 ± 0.249 χ^2/NDF : 327.4/34

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019 ± 1.083 $\chi^2/\text{NDF}: 1848.0/16$

Left Out: 40.683 ± 0.368 $\chi^2/\text{NDF}: 1214.1/17$

Right Out: 76.041 ± 1.070 $\chi^2/\text{NDF}: 1881.9/18$

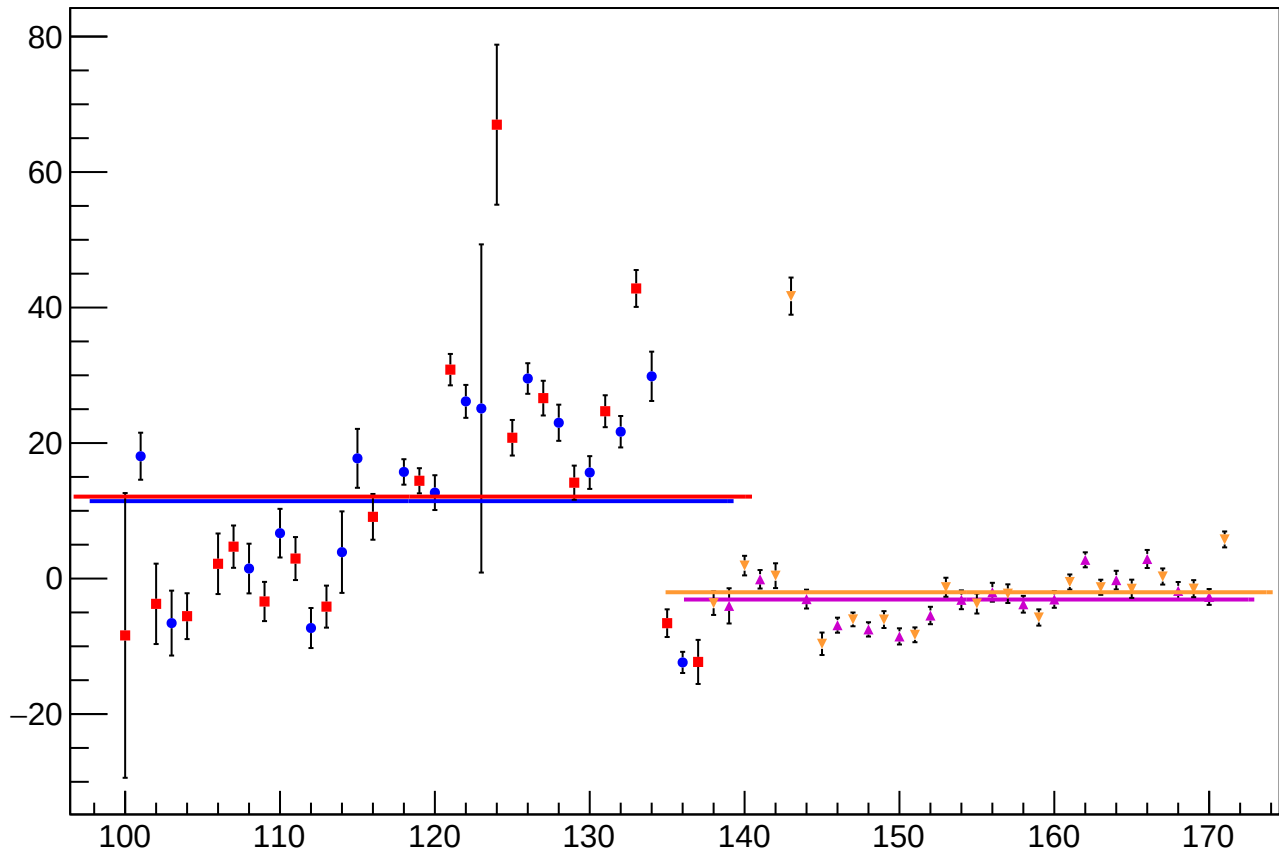
Left In: 39.845 ± 0.373 $\chi^2/\text{NDF}: 261.9/15$

+ sign 43.614 ± 0.348 $\chi^2/\text{NDF}: 3675.4/34$

All: 43.691 ± 0.248 $\chi^2/\text{NDF}: 6839.8/69$

- sign 43.770 ± 0.352 $\chi^2/\text{NDF}: 3164.3/34$

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 $\pm$ 0.665 χ^2 /NDF: 476.8/16

Left Out: -2.019 $\pm$ 0.309 χ^2 /NDF:405.7/17

Right Out: 12.095 $\pm$ 0.664 χ^2 /NDF: 539.1/18

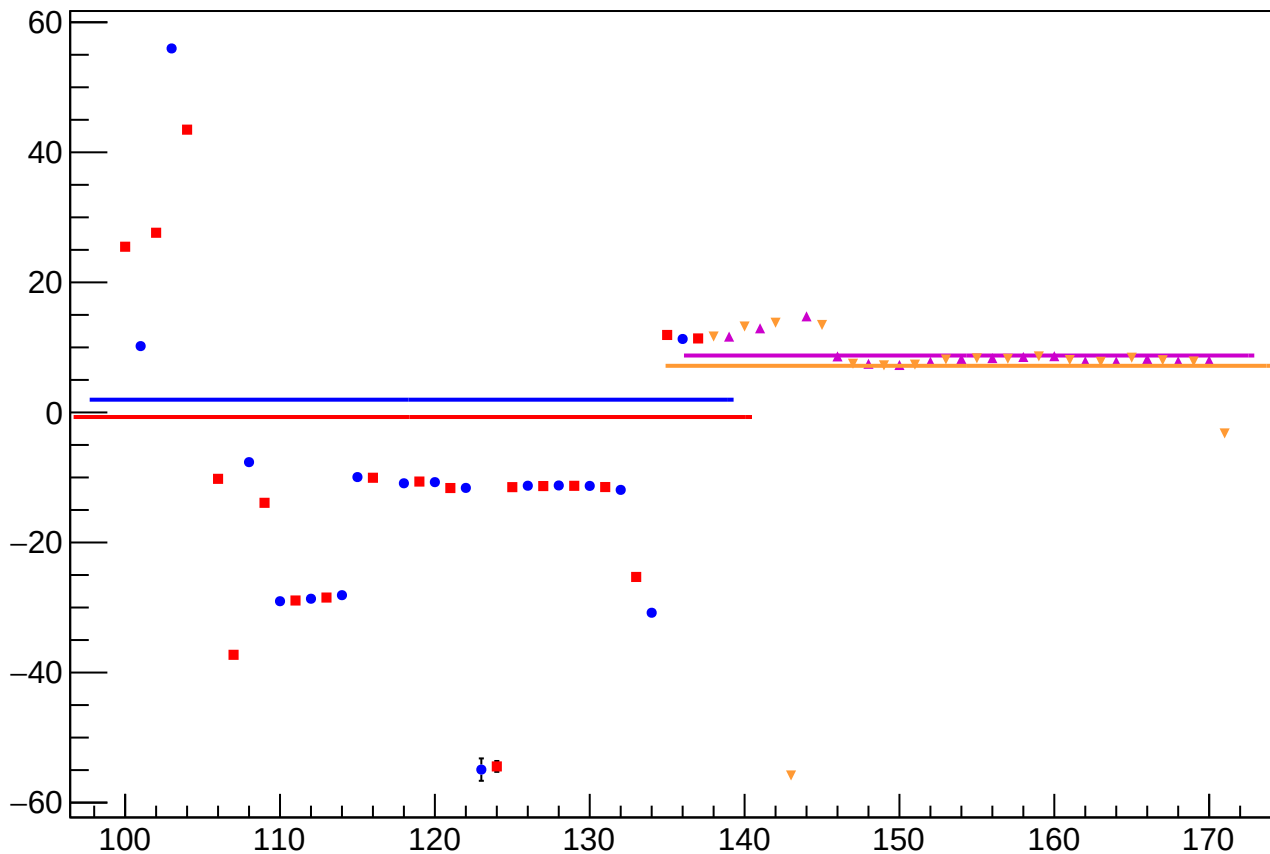
Left In: -3.094 $\pm$ 0.320 χ^2 /NDF:112.7/15

+ sign 0.365 $\pm$ 0.280 χ^2 /NDF: 1218.4/34

All: 0.073 $\pm$ 0.201 χ^2 /NDF: 2297.3/69

- sign -0.236 $\pm$ 0.288 χ^2 /NDF: 1076.7/34

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 ± 0.037 χ^2/NDF : 358457.0/16

Left Out: 7.171 ± 0.014 χ^2/NDF : 271494.7/17

Right Out: -0.704 ± 0.037 χ^2/NDF : 361168.6/18

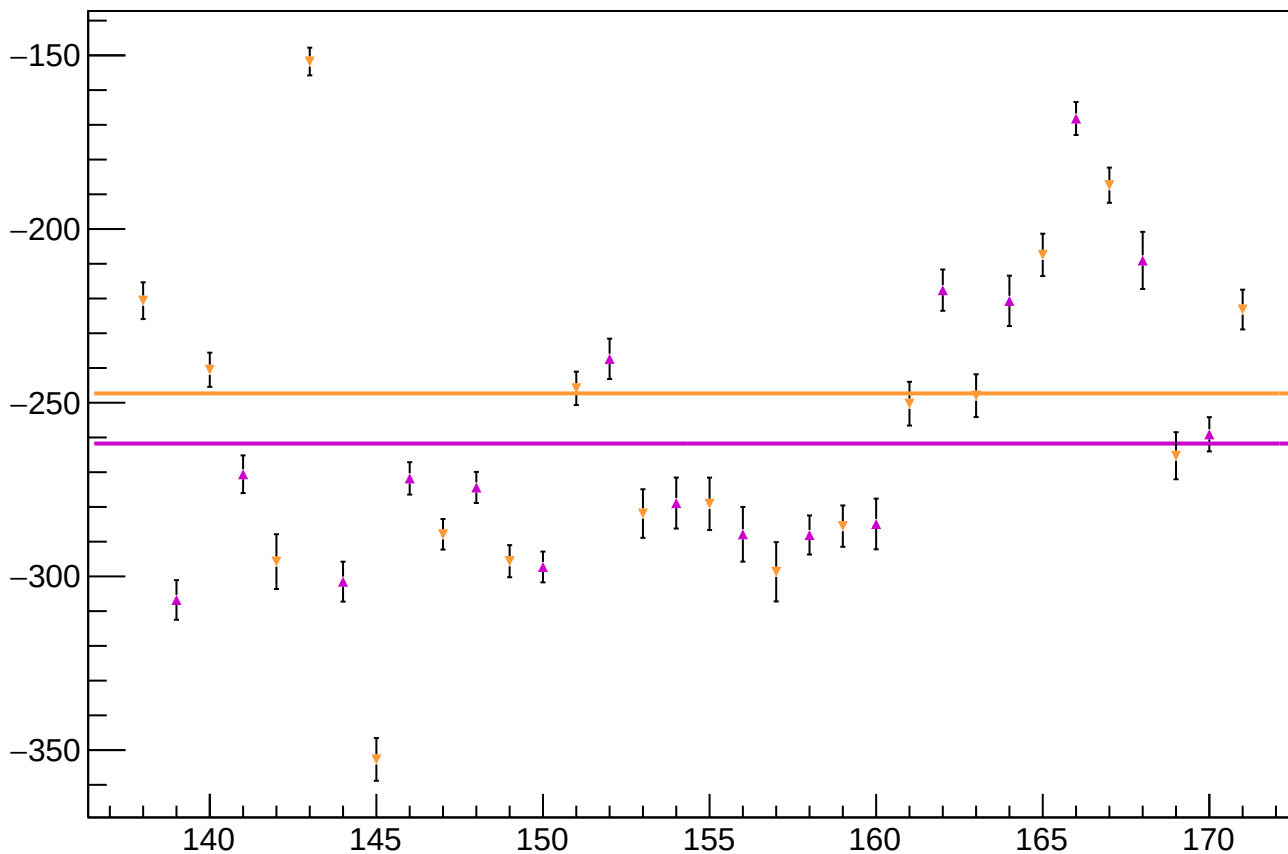
Left In: 8.752 ± 0.015 χ^2/NDF : 15088.3/15

+ sign 6.498 ± 0.013 χ^2/NDF : 647087.8/34

All: 6.983 ± 0.010 χ^2/NDF : 1082224.2/69

- sign 7.485 ± 0.014 χ^2/NDF : 432452.0/34

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



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

Left Out: -247.317 ± 1.320 χ^2/NDF : 1453.5/17

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

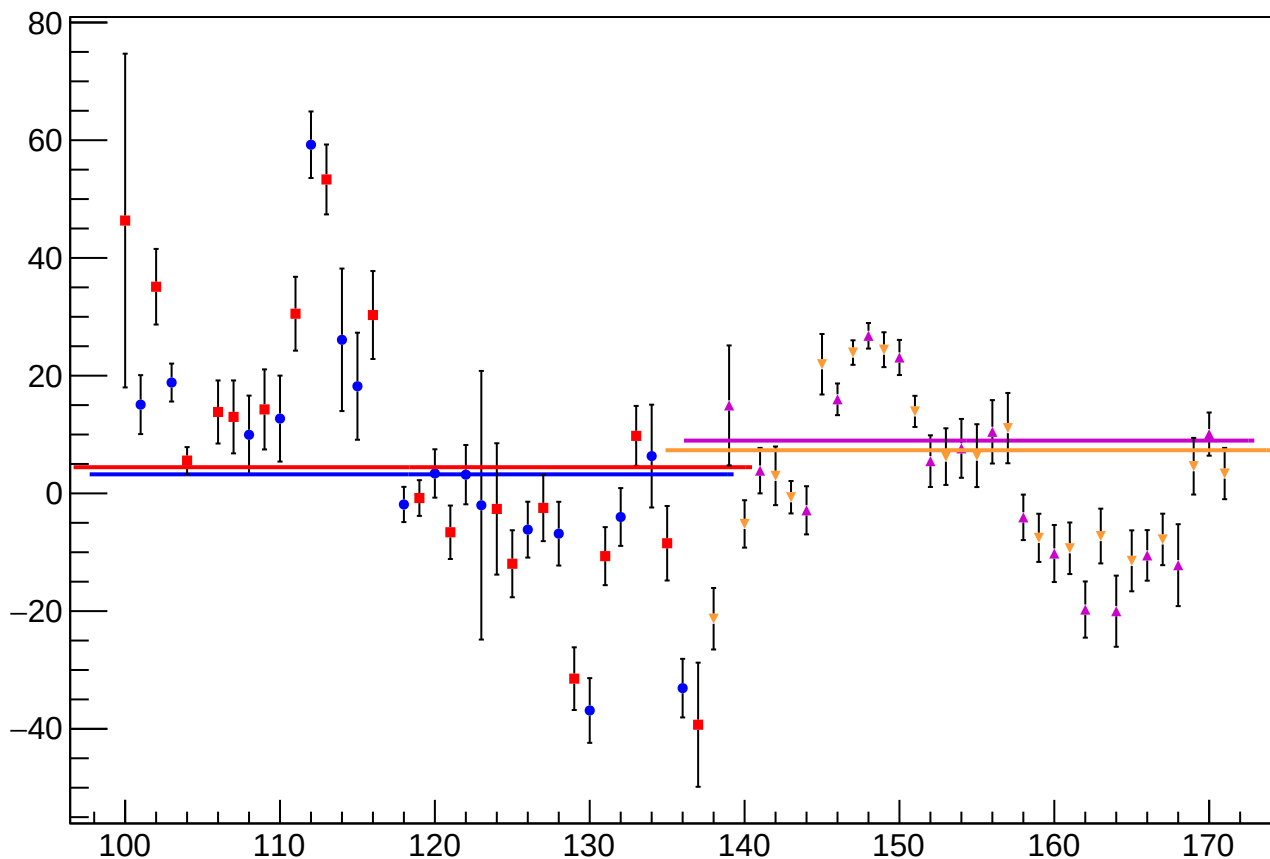
Left In: -261.750 ± 1.408 χ^2/NDF : 773.7/15

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -254.068 ± 0.963 χ^2/NDF : 2283.0/33

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: 7.331 ± 0.896 χ^2/NDF : 224.3/17

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

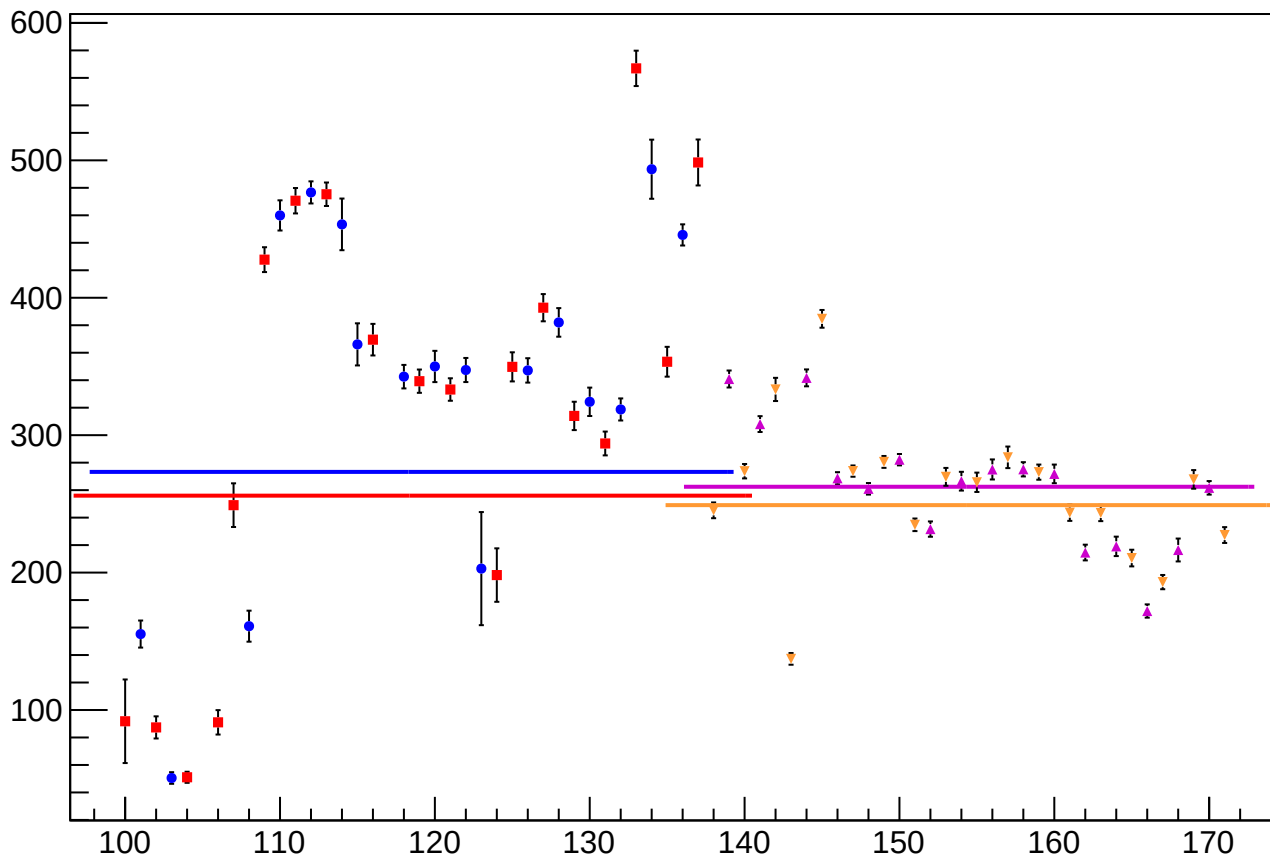
Left In: 8.970 ± 0.973 χ^2/NDF : 223.9/15

+ sign 5.932 ± 0.727 χ^2/NDF : 486.7/34

All: 6.500 ± 0.520 χ^2/NDF : 946.5/69

- sign 7.097 ± 0.745 χ^2/NDF : 458.6/34

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 ± 2.205 χ^2/NDF : 5101.5/16

Left Out: 249.087 ± 1.306 χ^2/NDF : 1587.5/17

Right Out: 255.985 ± 2.080 χ^2/NDF : 6438.4/18

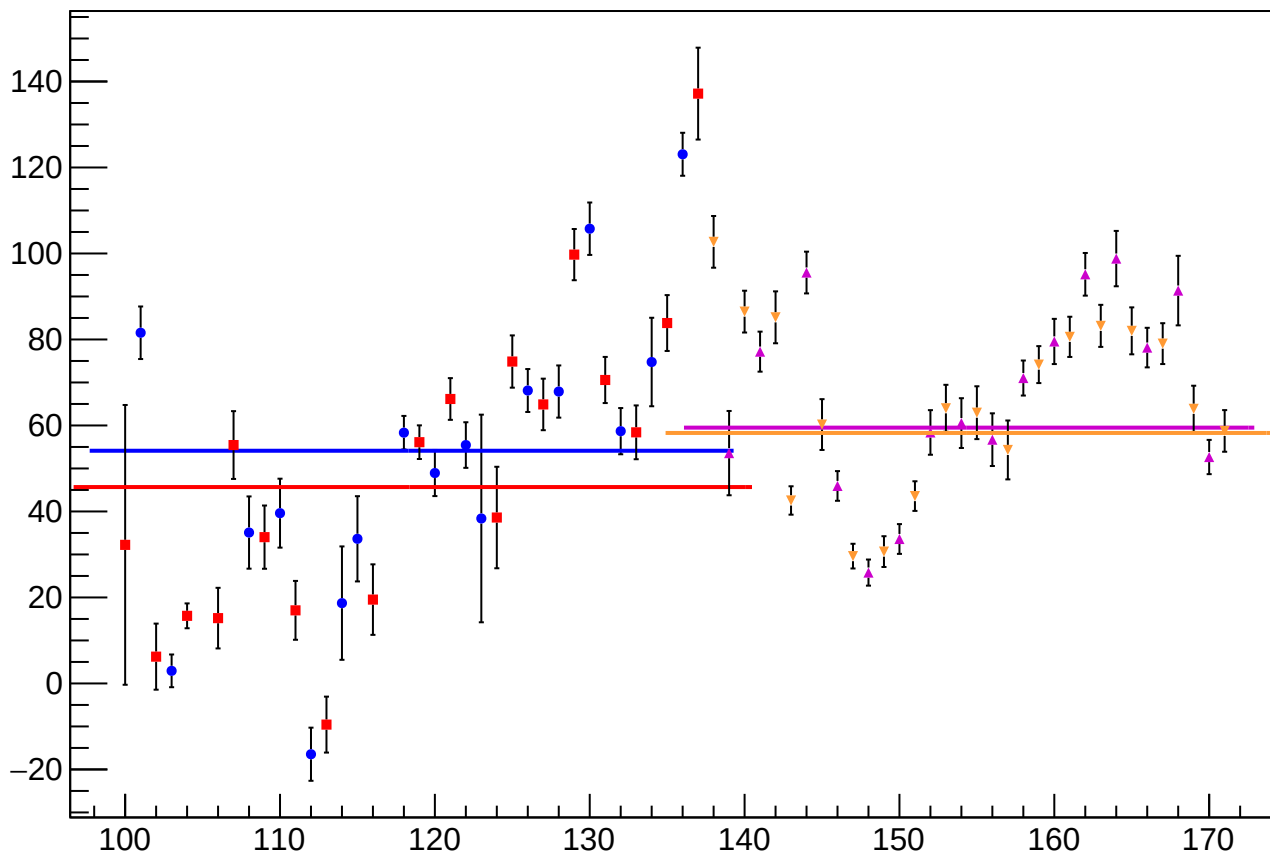
Left In: 262.459 ± 1.376 χ^2/NDF : 944.5/15

+ sign 255.373 ± 1.124 χ^2/NDF : 6778.1/34

All: 257.877 ± 0.803 χ^2/NDF : 14178.0/69

- sign 260.488 ± 1.147 χ^2/NDF : 7389.7/34

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119 $\pm$ 1.438 χ^2 /NDF: 633.9/16

Left Out: 58.258 $\pm$ 1.066 χ^2 /NDF: 411.6/17

Right Out: 45.675 $\pm$ 1.357 χ^2 /NDF: 531.0/18

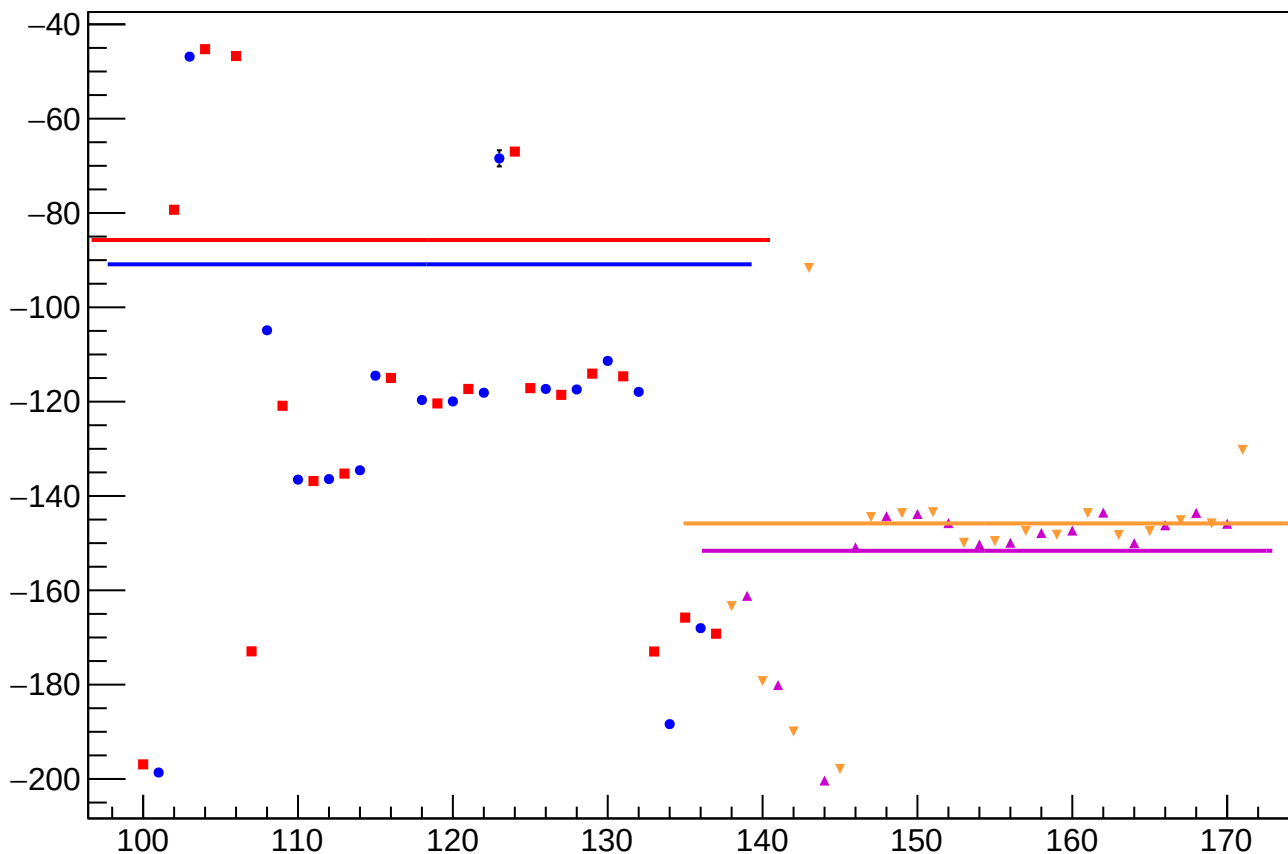
Left In: 59.494 $\pm$ 1.151 χ^2 /NDF: 411.2/15

+ sign 56.790 $\pm$ 0.856 χ^2 /NDF: 1050.9/34

All: 55.289 $\pm$ 0.613 χ^2 /NDF: 2059.8/69

- sign 53.714 $\pm$ 0.878 χ^2 /NDF: 1002.6/34

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881+/-0.068 χ^2/NDF : 533423.8/16

Left Out: -145.823+/-0.052 χ^2/NDF : 193415.5/17

Right Out: -85.722+/-0.065 χ^2/NDF : 494183.1/18

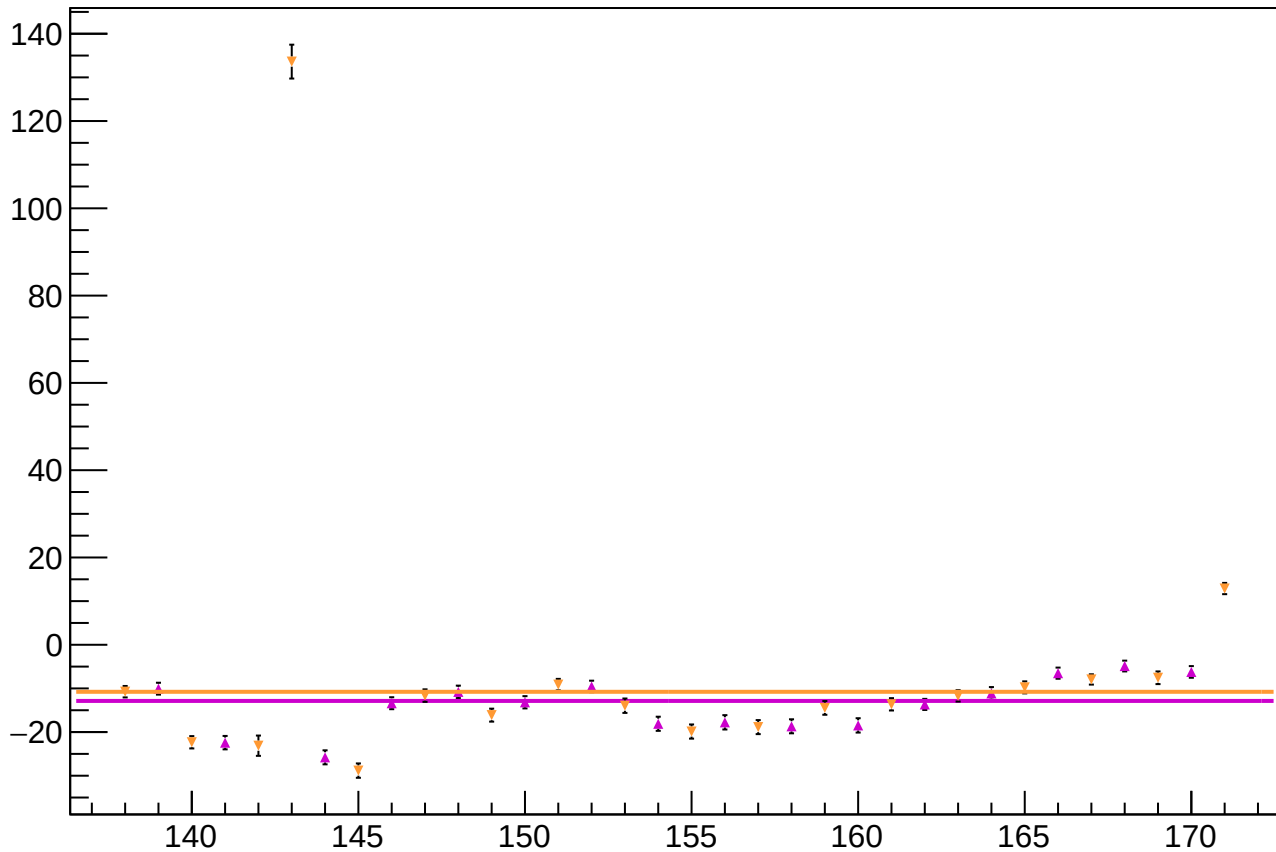
Left In: -151.618+/-0.055 χ^2/NDF : 58214.8/15

+ sign -125.400+/-0.041 χ^2/NDF : 1139977.4/34

All: -124.842+/-0.029 χ^2/NDF : 2292701.9/69

- sign -124.267+/-0.042 χ^2/NDF : 1152353.6/34

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: -10.774+/-0.350 χ^2/NDF : 2032.1/17

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

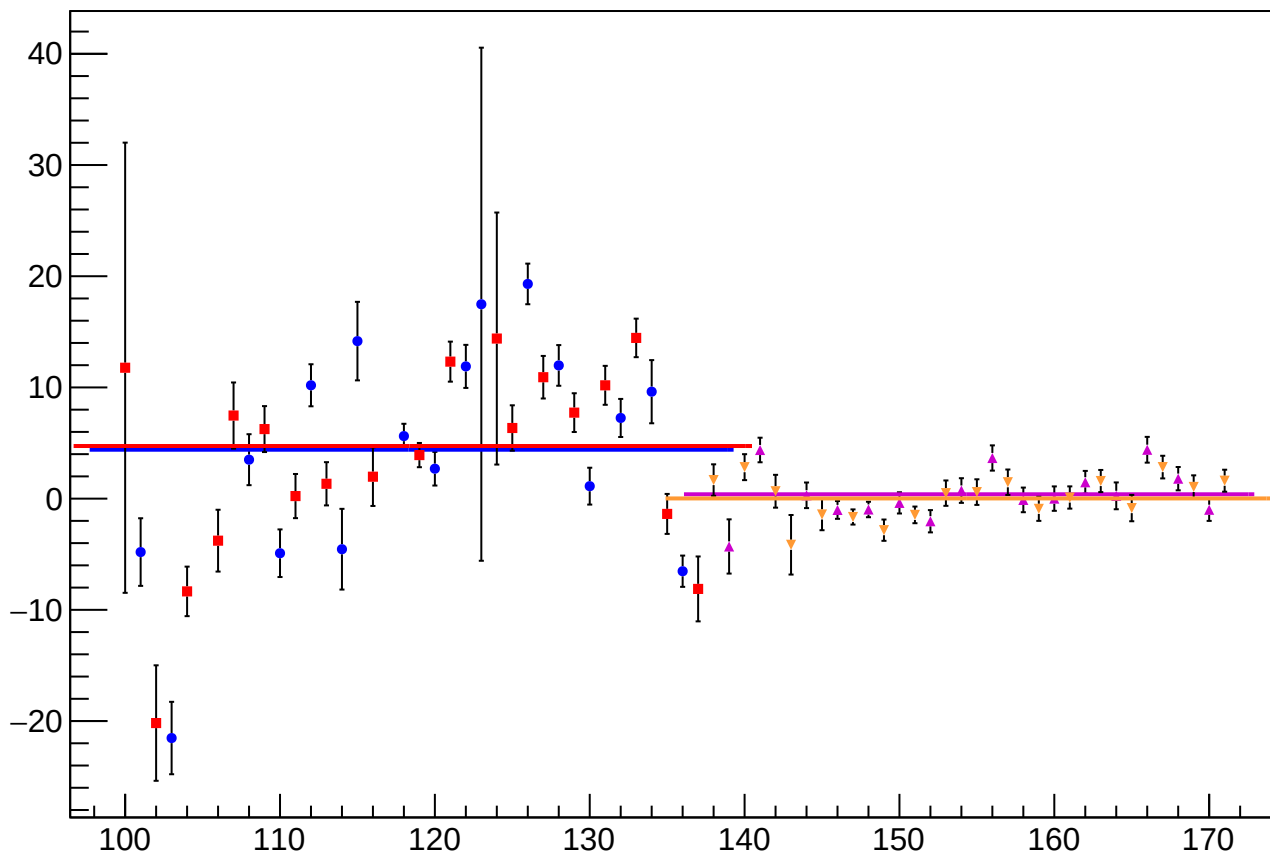
Left In: -12.865+/-0.356 χ^2/NDF : 253.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.802+/-0.250 χ^2/NDF : 2302.9/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: 0.018 ± 0.249 χ^2/NDF : 46.7/17

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

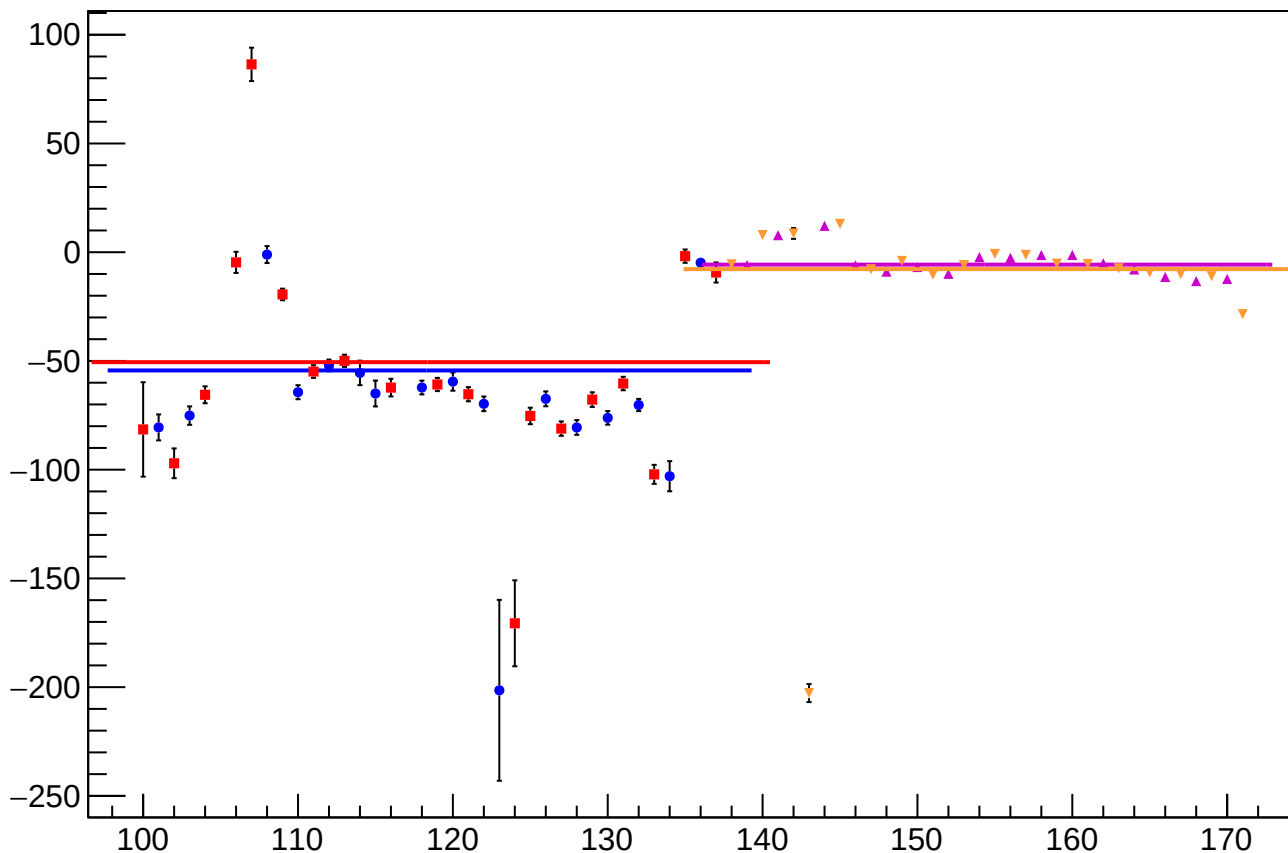
Left In: 0.391 ± 0.258 χ^2/NDF : 55.7/15

+ sign 0.975 ± 0.220 χ^2/NDF : 401.1/34

All: 1.175 ± 0.158 χ^2/NDF : 706.2/69

- sign 1.387 ± 0.227 χ^2/NDF : 303.4/34

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.365 ± 0.868 χ^2/NDF : 1013.5/16

Left Out: -7.770 ± 0.344 χ^2/NDF : 2840.4/17

Right Out: -50.554 ± 0.858 χ^2/NDF : 1321.3/18

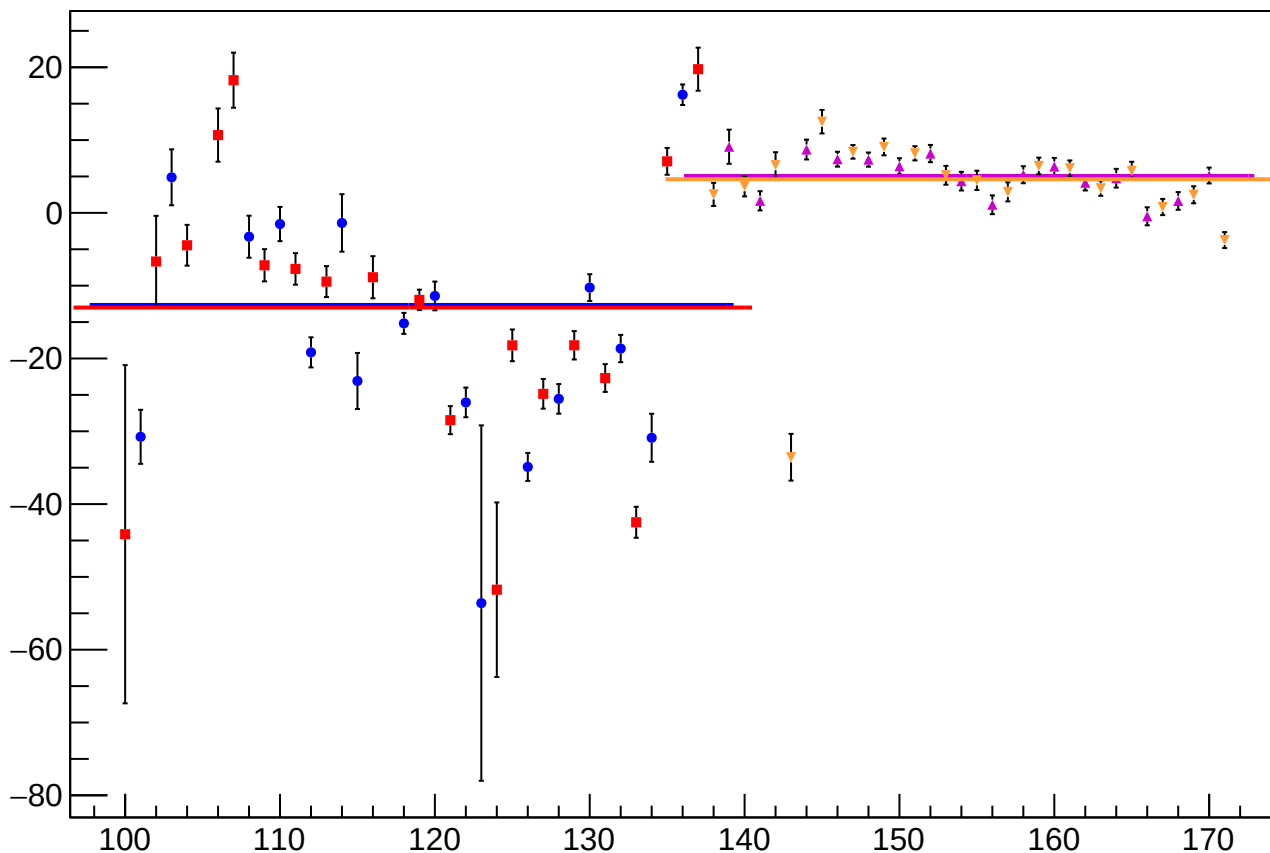
Left In: -5.710 ± 0.349 χ^2/NDF : 303.0/15

+ sign -14.096 ± 0.320 χ^2/NDF : 6342.9/34

All: -13.096 ± 0.227 χ^2/NDF : 10333.5/69

- sign -12.076 ± 0.323 χ^2/NDF : 3970.9/34

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 4.618 ± 0.289 χ^2/NDF : 294.8/17

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

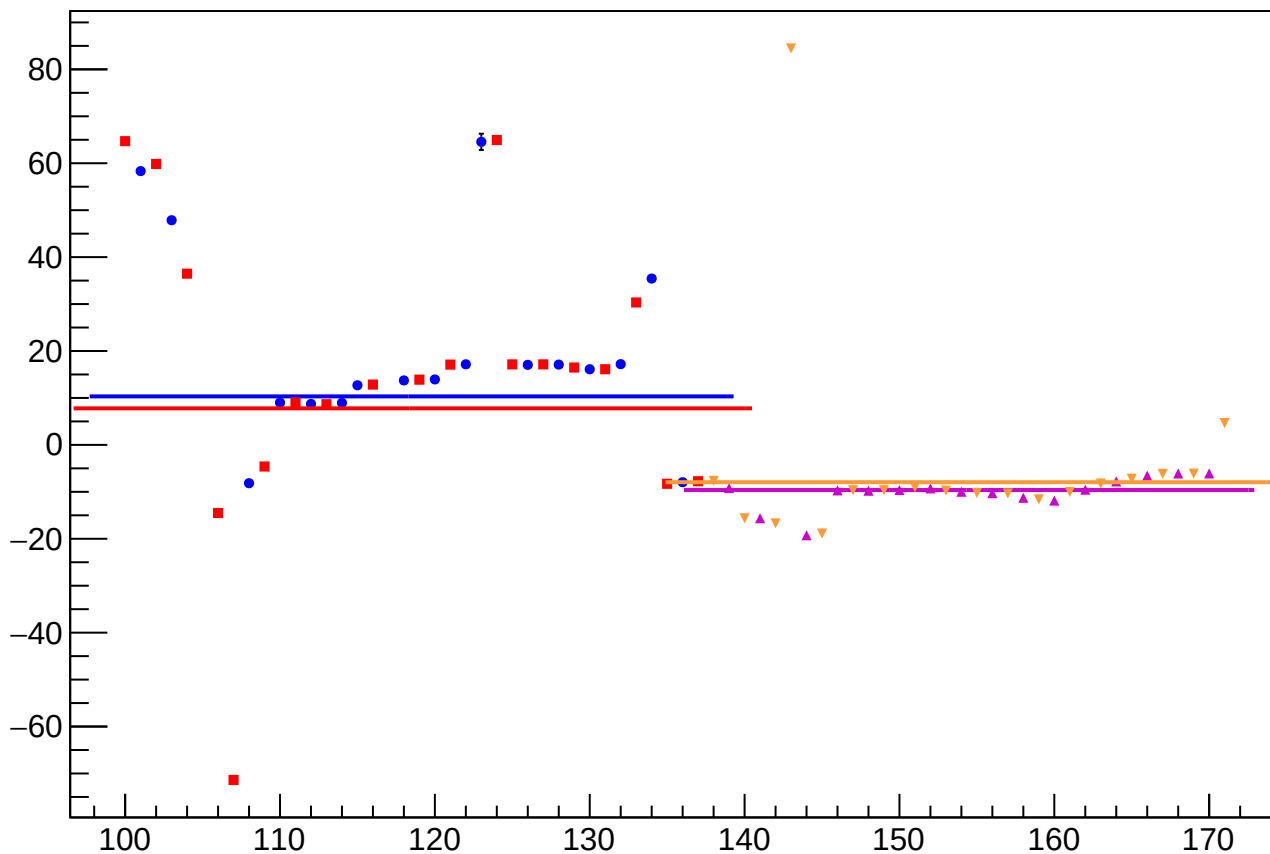
Left In: 5.065 ± 0.299 χ^2/NDF : 74.9/15

+ sign 0.731 ± 0.254 χ^2/NDF : 1886.5/34

All: 0.757 ± 0.182 χ^2/NDF : 3545.2/69

- sign 0.785 ± 0.262 χ^2/NDF : 1658.8/34

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330 ± 0.031 χ^2/NDF : 380857.1/16

Left Out: -7.949 ± 0.013 χ^2/NDF : 449300.9/17

Right Out: 7.786 ± 0.031 χ^2/NDF : 544119.7/18

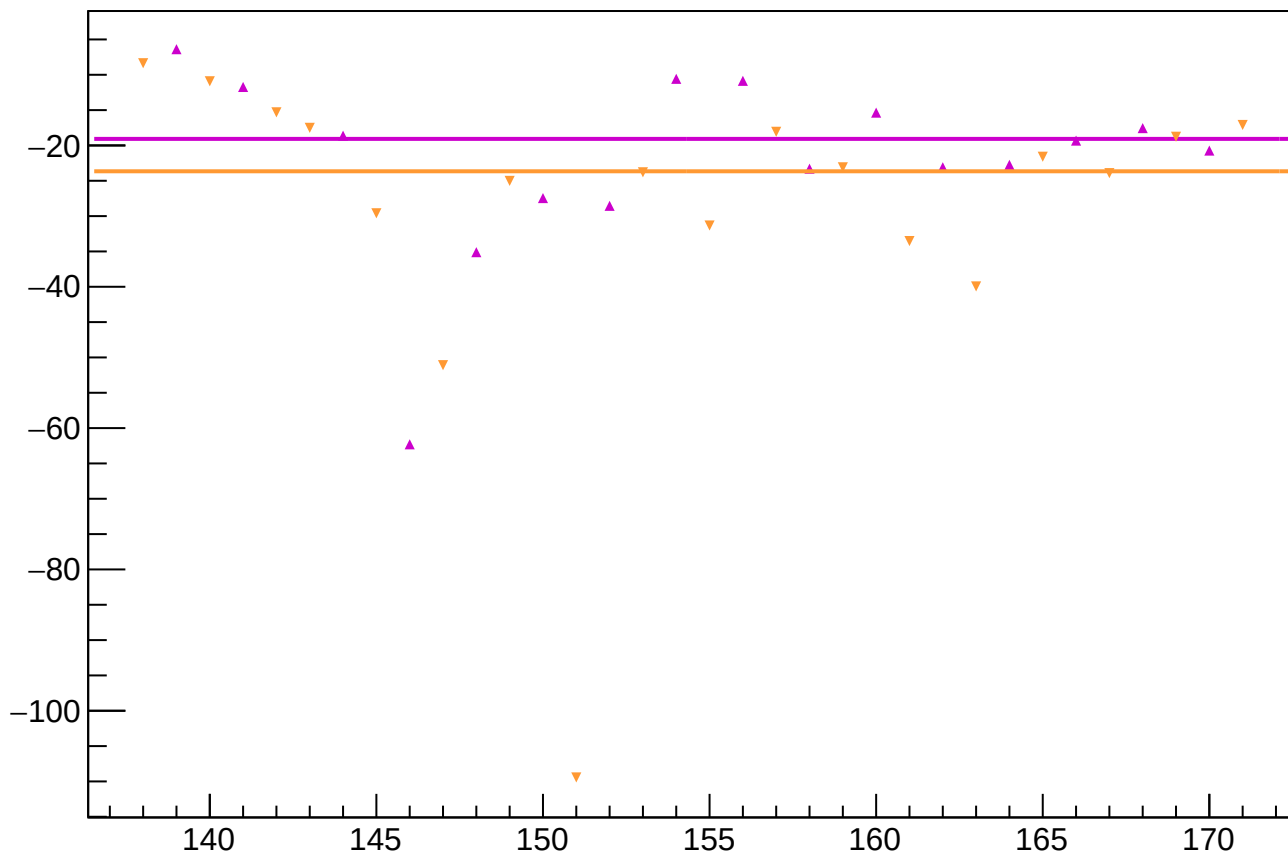
Left In: -9.617 ± 0.014 χ^2/NDF : 42263.1/15

+ sign -5.032 ± 0.012 χ^2/NDF : 1128558.8/34

All: -5.918 ± 0.009 χ^2/NDF : 1985351.7/69

- sign -6.840 ± 0.013 χ^2/NDF : 846130.4/34

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -23.658+/-0.056 χ^2/NDF : 59177.6/17

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

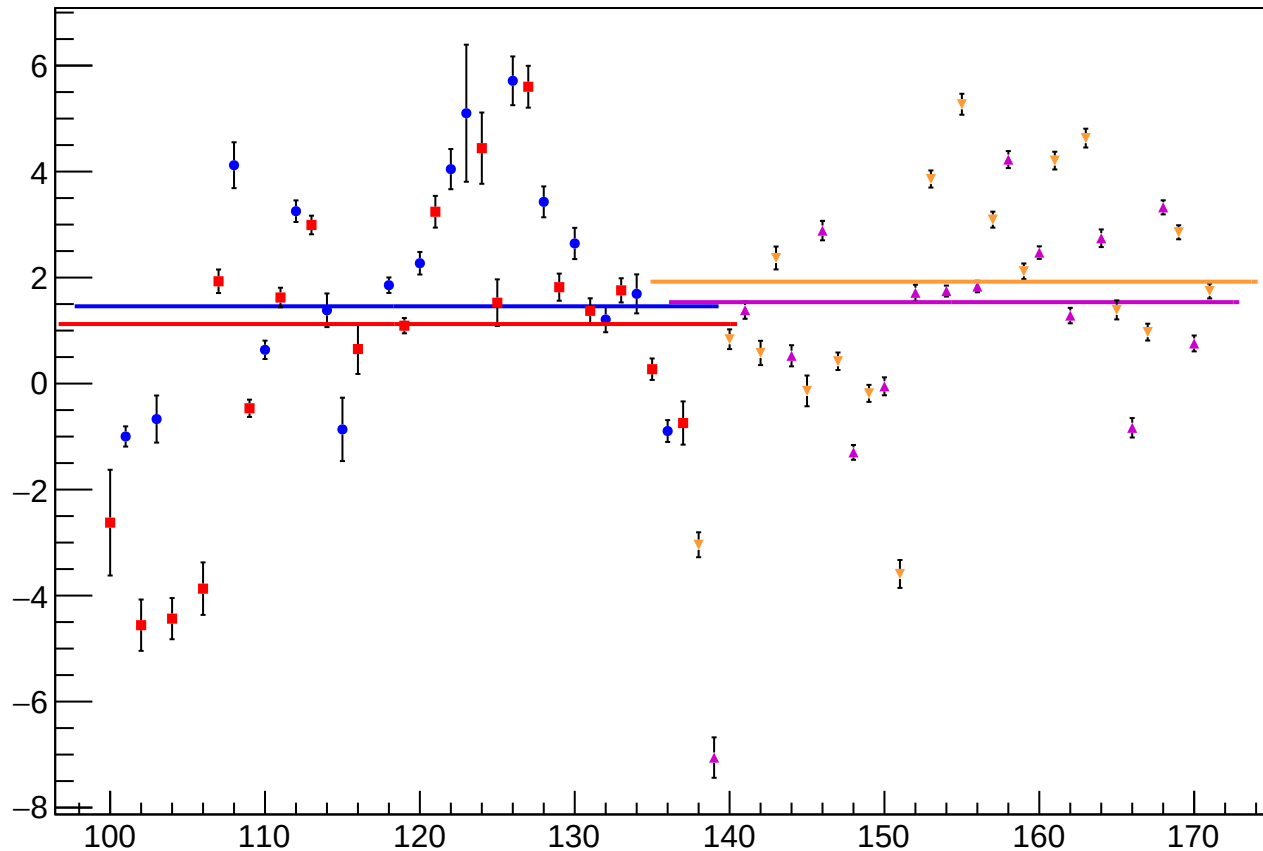
Left In: -19.072+/-0.051 χ^2/NDF : 37202.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.148+/-0.037 χ^2/NDF : 100095.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 1.923 ± 0.041 χ^2/NDF : 2269.5/17

Right Out: 1.123 ± 0.058 χ^2/NDF : 947.4/18

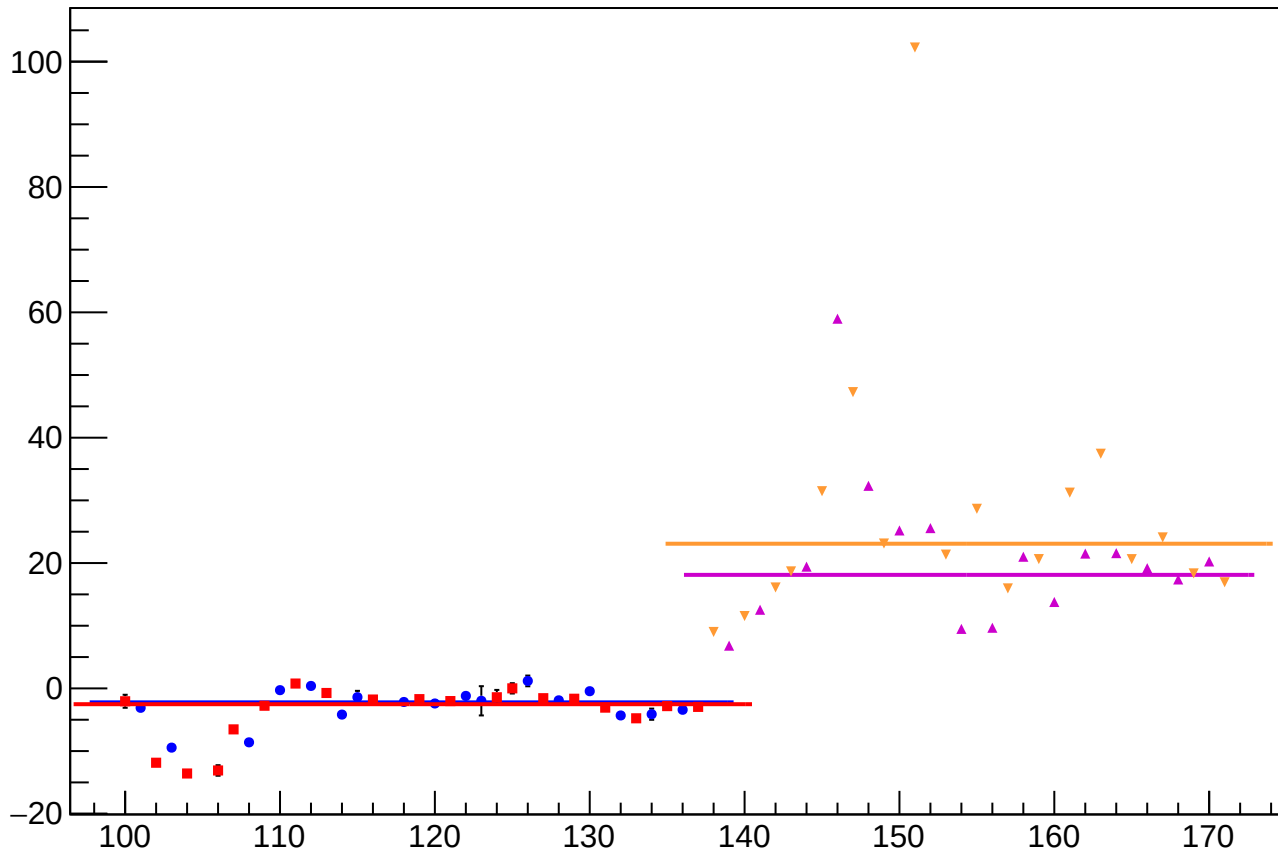
Left In: 1.536 ± 0.037 χ^2/NDF : 1874.8/15

+ sign 1.780 ± 0.034 χ^2/NDF : 3006.7/34

All: 1.582 ± 0.023 χ^2/NDF : 5926.3/69

- sign 1.417 ± 0.031 χ^2/NDF : 2858.2/34

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 23.083 ± 0.055 χ^2/NDF : 52985.4/17

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

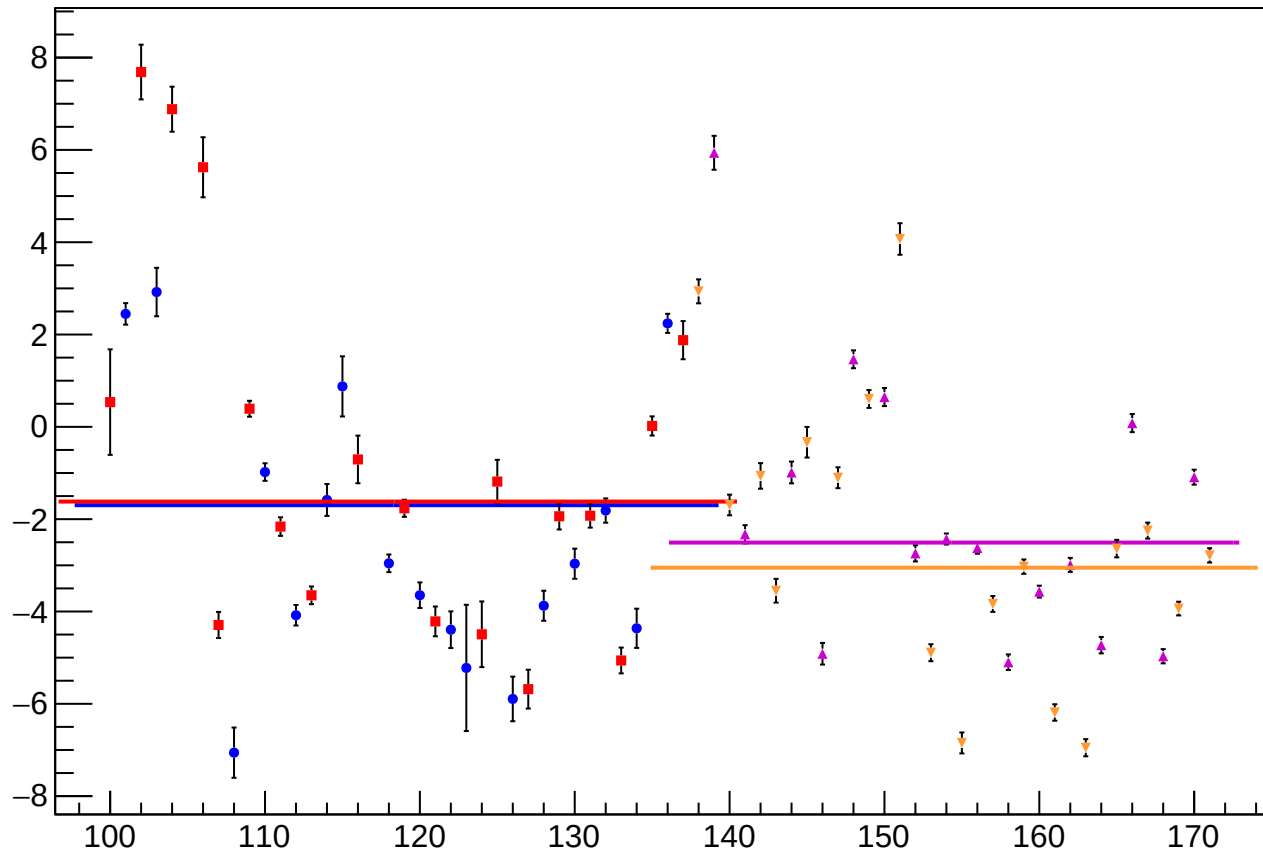
Left In: 18.113 ± 0.049 χ^2/NDF : 35287.8/15

+ sign 18.127 ± 0.049 χ^2/NDF : 95061.3/34

All: 15.852 ± 0.033 χ^2/NDF : 169961.3/69

- sign 14.036 ± 0.044 χ^2/NDF : 71061.1/34

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -3.051 ± 0.047 χ^2/NDF : 2771.1/17

Right Out: -1.618 ± 0.066 χ^2/NDF : 1489.2/18

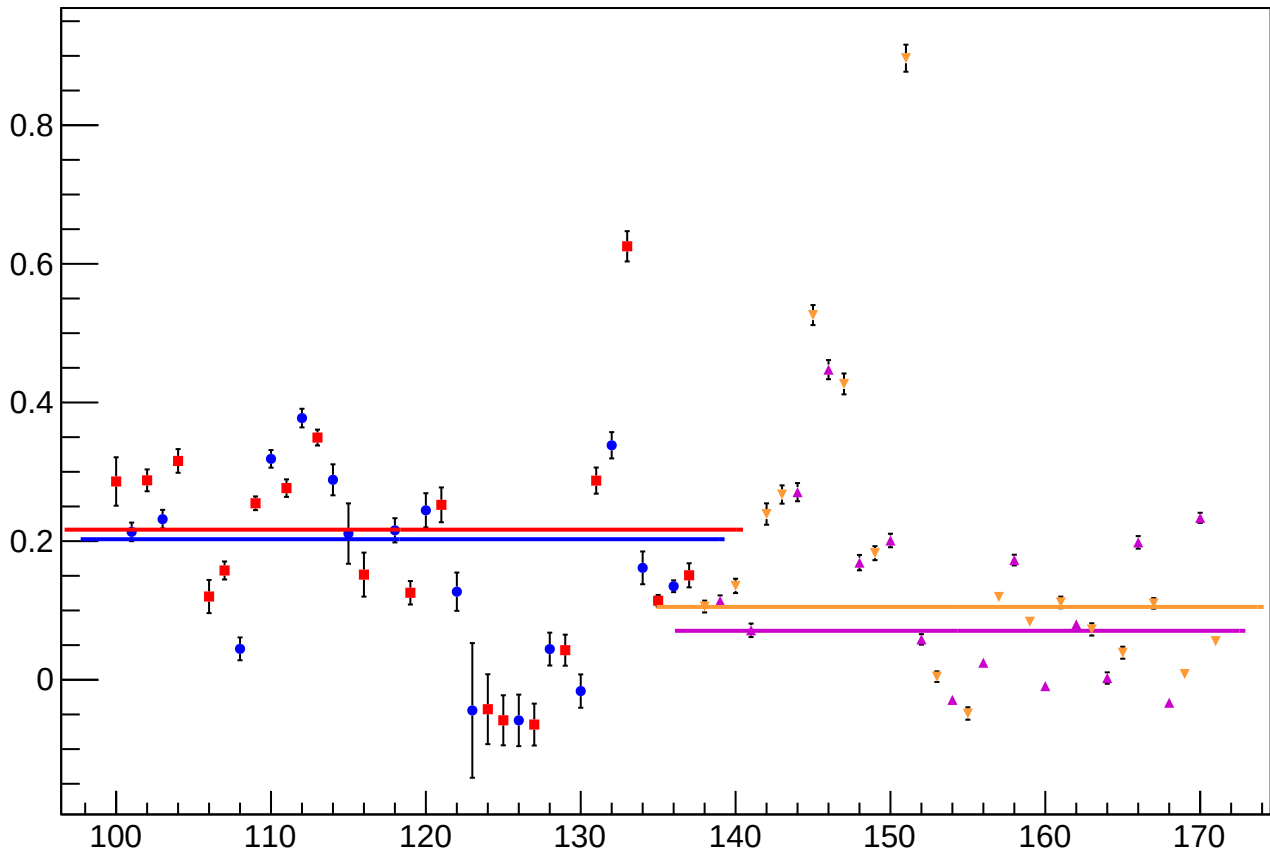
Left In: -2.507 ± 0.042 χ^2/NDF : 2333.5/15

+ sign -2.643 ± 0.039 χ^2/NDF : 4343.8/34

All: -2.427 ± 0.026 χ^2/NDF : 8352.4/69

- sign -2.249 ± 0.035 χ^2/NDF : 3952.6/34

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.105 ± 0.002 χ^2/NDF : 4054.5/17

Right Out: 0.217 ± 0.004 χ^2/NDF : 1064.4/18

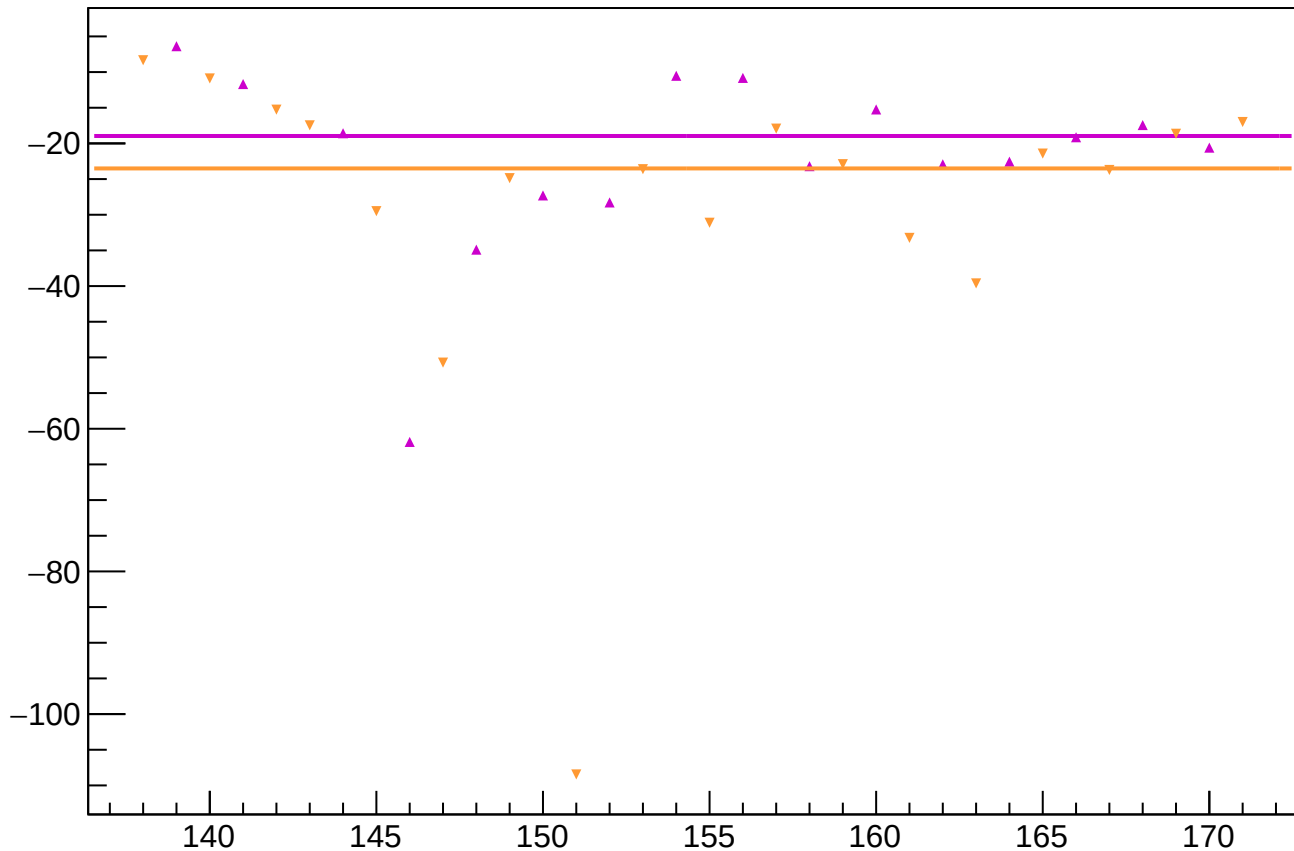
Left In: 0.071 ± 0.002 χ^2/NDF : 3178.7/15

+ sign 0.125 ± 0.002 χ^2/NDF : 5172.6/34

All: 0.111 ± 0.001 χ^2/NDF : 10767.5/69

- sign 0.100 ± 0.002 χ^2/NDF : 5491.5/34

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -23.508+/-0.055 χ^2/NDF : 58997.0/17

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

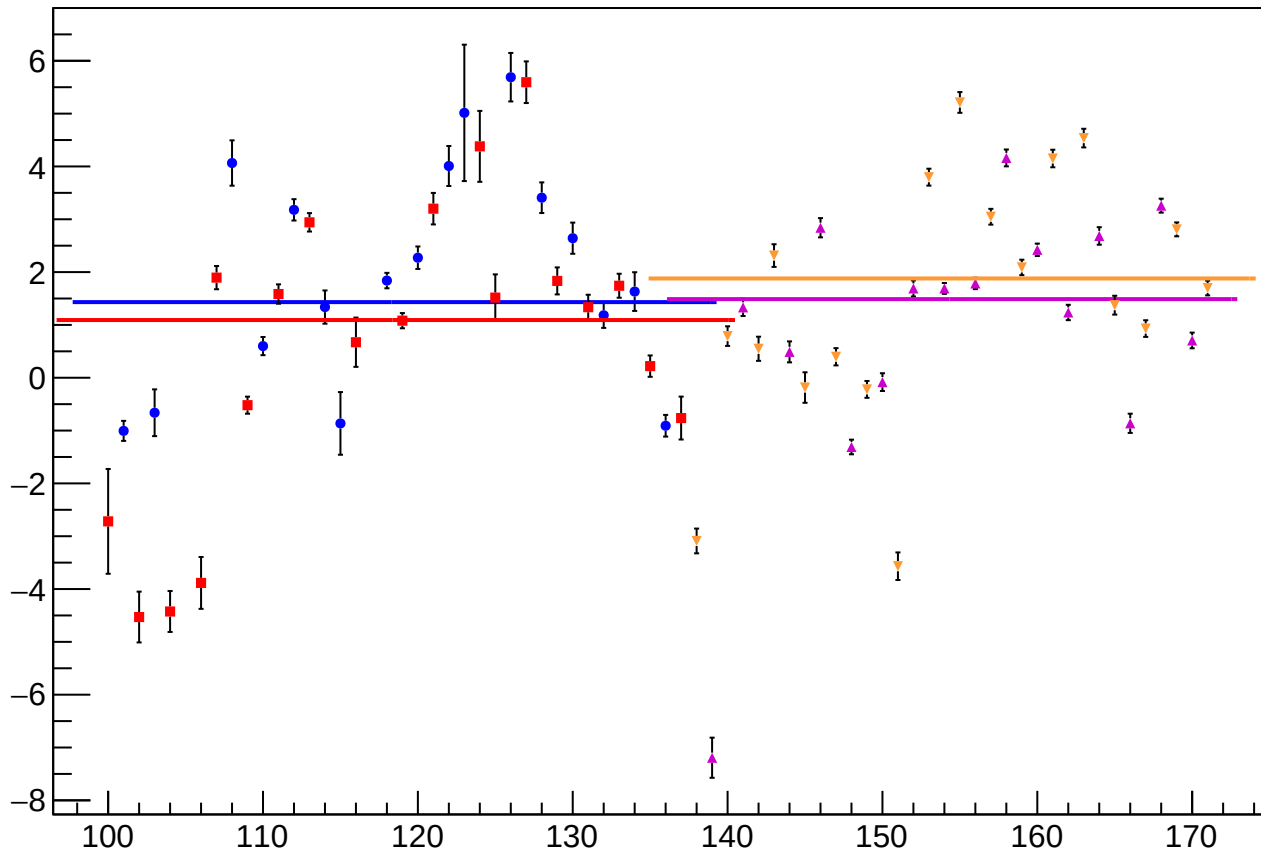
Left In: -18.960+/-0.050 χ^2/NDF : 37113.5/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.019+/-0.037 χ^2/NDF : 99813.2/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 $\pm$ 0.062 χ^2/NDF : 696.6/16

Left Out: 1.879 $\pm$ 0.041 χ^2/NDF : 2269.1/17

Right Out: 1.092 $\pm$ 0.058 χ^2/NDF : 953.2/18

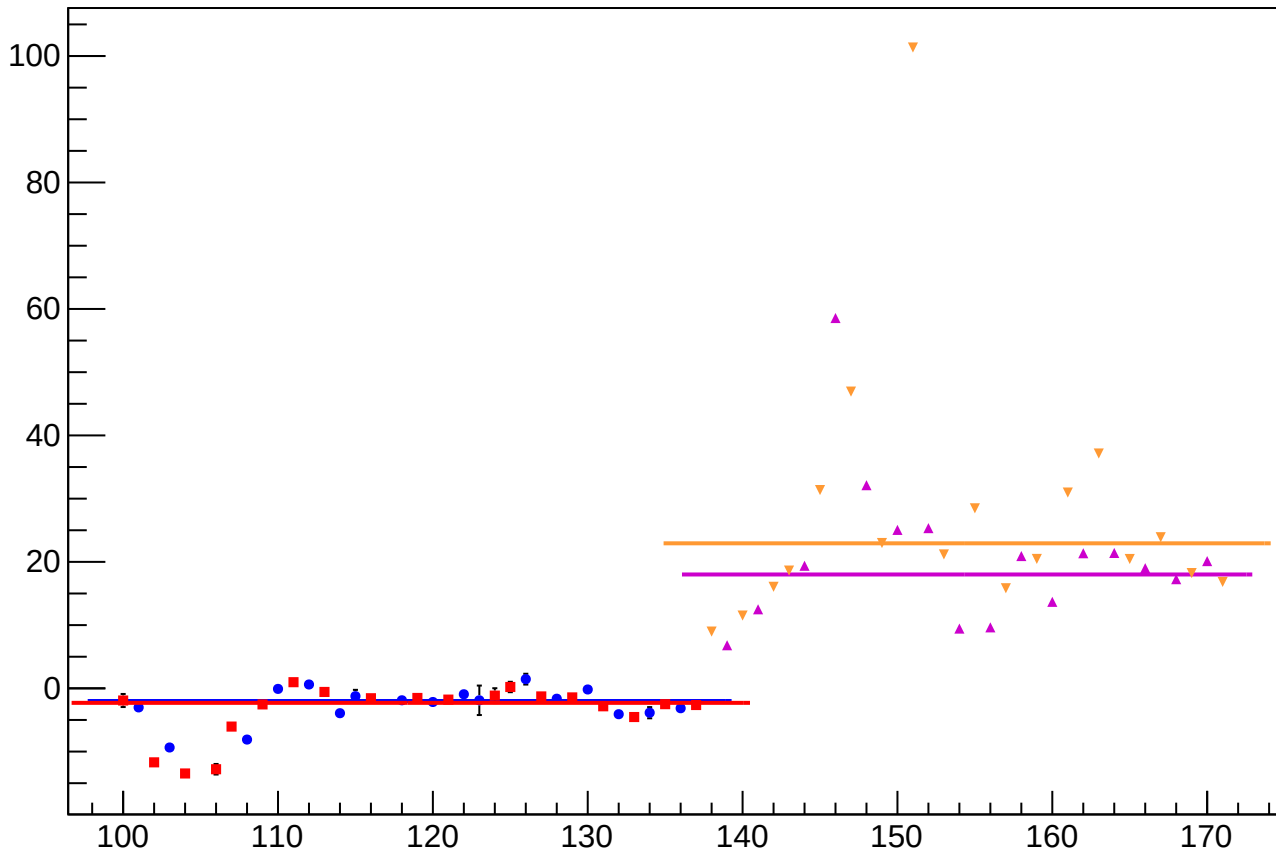
Left In: 1.489 $\pm$ 0.037 χ^2/NDF : 1884.5/15

+ sign 1.743 $\pm$ 0.034 χ^2/NDF : 3002.2/34

All: 1.541 $\pm$ 0.023 χ^2/NDF : 5937.0/69

- sign 1.374 $\pm$ 0.031 χ^2/NDF : 2871.1/34

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 22.935 ± 0.055 χ^2/NDF : 52846.0/17

Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

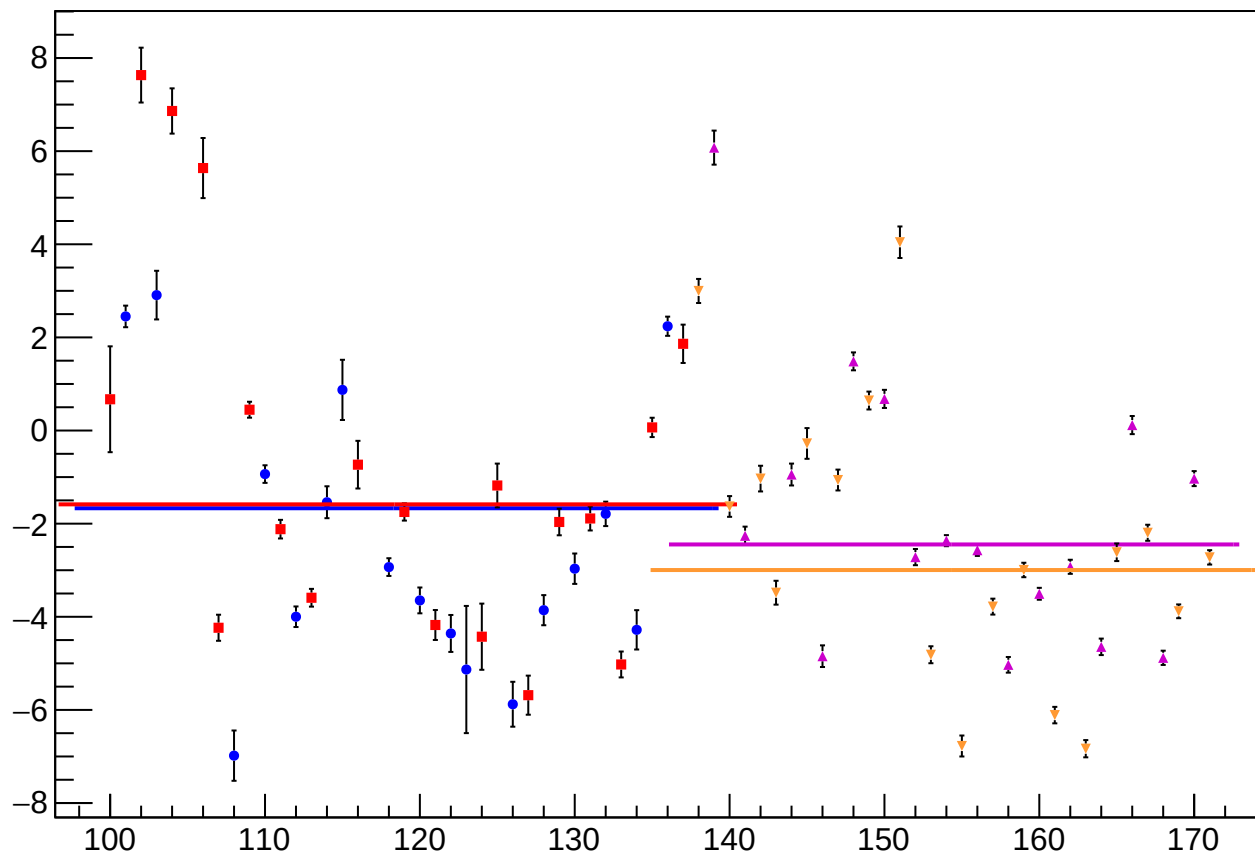
Left In: 18.007 ± 0.049 χ^2/NDF : 35211.0/15

+ sign 18.064 ± 0.049 χ^2/NDF : 94139.3/34

All: 15.805 ± 0.033 χ^2/NDF : 168219.0/69

- sign 14.001 ± 0.044 χ^2/NDF : 70247.7/34

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 $\pm$ 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.996 $\pm$ 0.046 χ^2/NDF : 2769.4/17

Right Out: -1.585 $\pm$ 0.065 χ^2/NDF : 1494.7/18

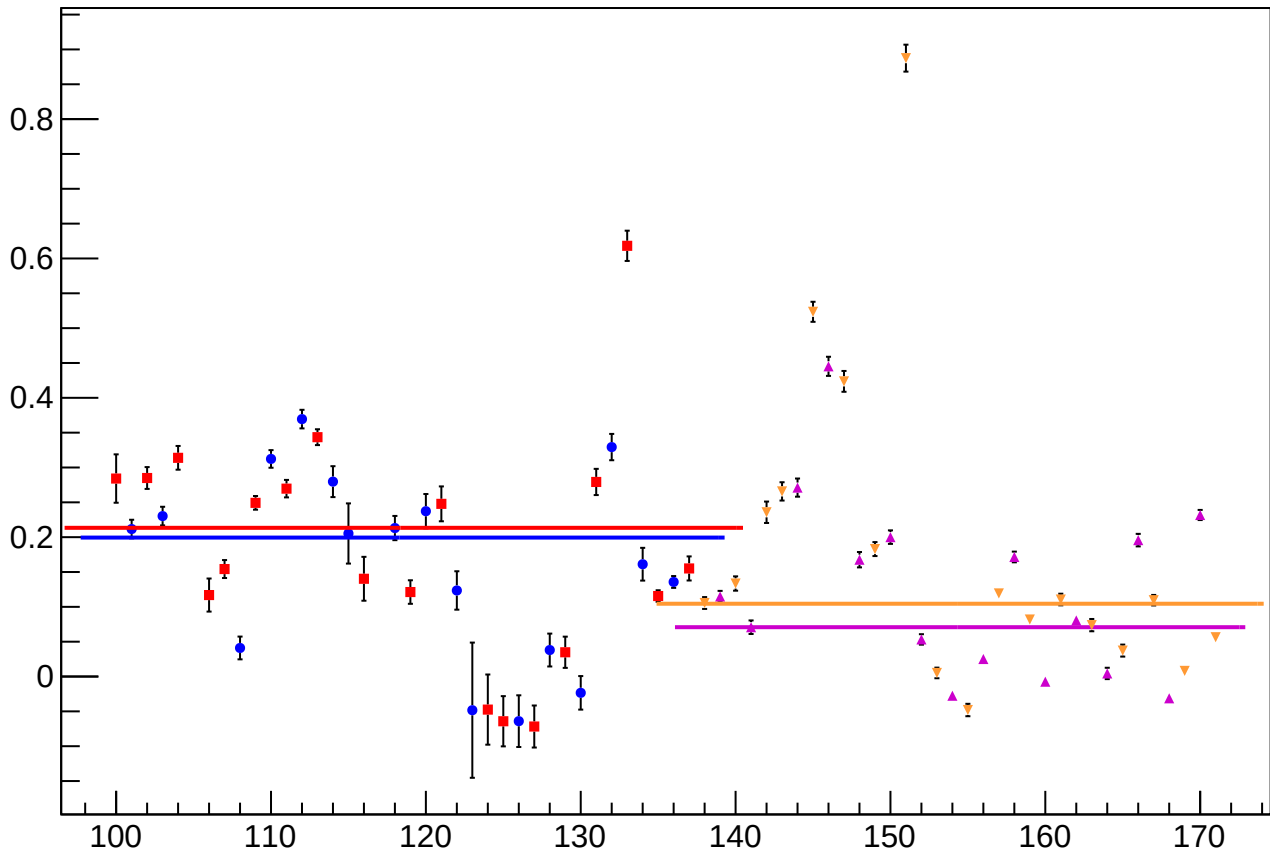
Left In: -2.447 $\pm$ 0.042 χ^2/NDF : 2344.1/15

+ sign -2.597 $\pm$ 0.039 χ^2/NDF : 4330.2/34

All: -2.378 $\pm$ 0.026 χ^2/NDF : 8350.5/69

- sign -2.197 $\pm$ 0.035 χ^2/NDF : 3962.0/34

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.104 ± 0.002 χ^2/NDF : 4046.8/17

Right Out: 0.213 ± 0.004 χ^2/NDF : 1048.2/18

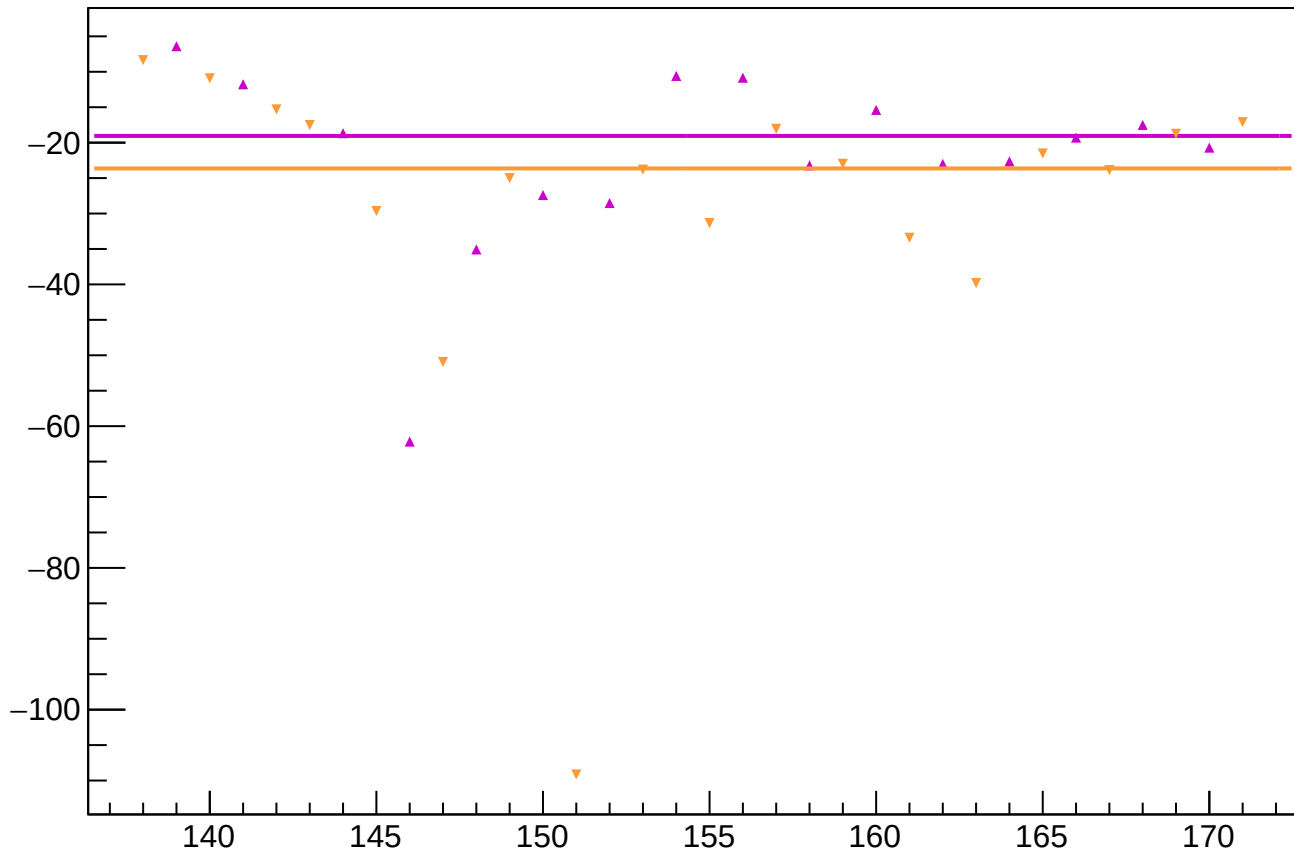
Left In: 0.071 ± 0.002 χ^2/NDF : 3155.4/15

+ sign 0.124 ± 0.002 χ^2/NDF : 5130.7/34

All: 0.110 ± 0.001 χ^2/NDF : 10638.9/69

- sign 0.099 ± 0.002 χ^2/NDF : 5408.9/34

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -23.635+/-0.056 χ^2/NDF : 59118.9/17

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

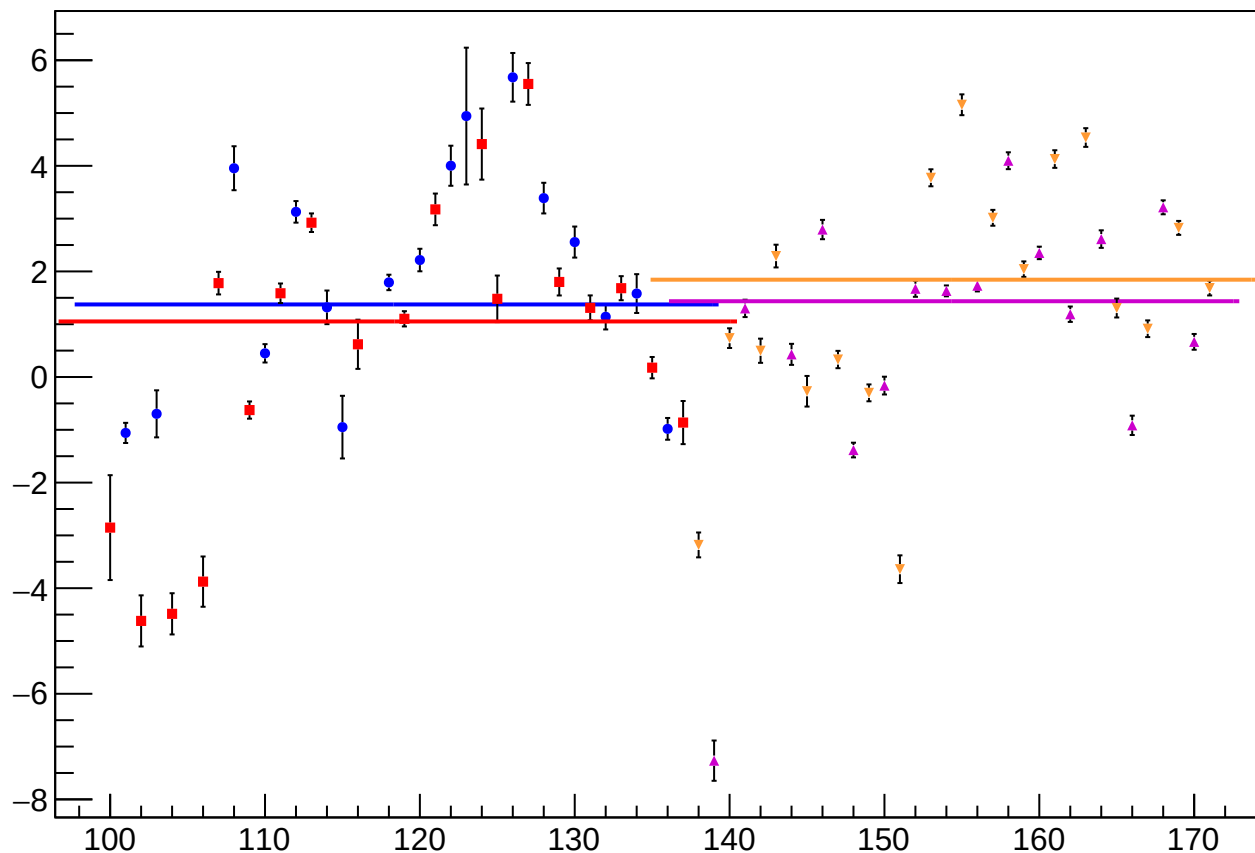
Left In: -19.051+/-0.050 χ^2/NDF : 37182.3/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.125+/-0.037 χ^2/NDF : 100031.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: 1.843 ± 0.041 χ^2/NDF : 2291.3/17

Right Out: 1.052 ± 0.058 χ^2/NDF : 964.0/18

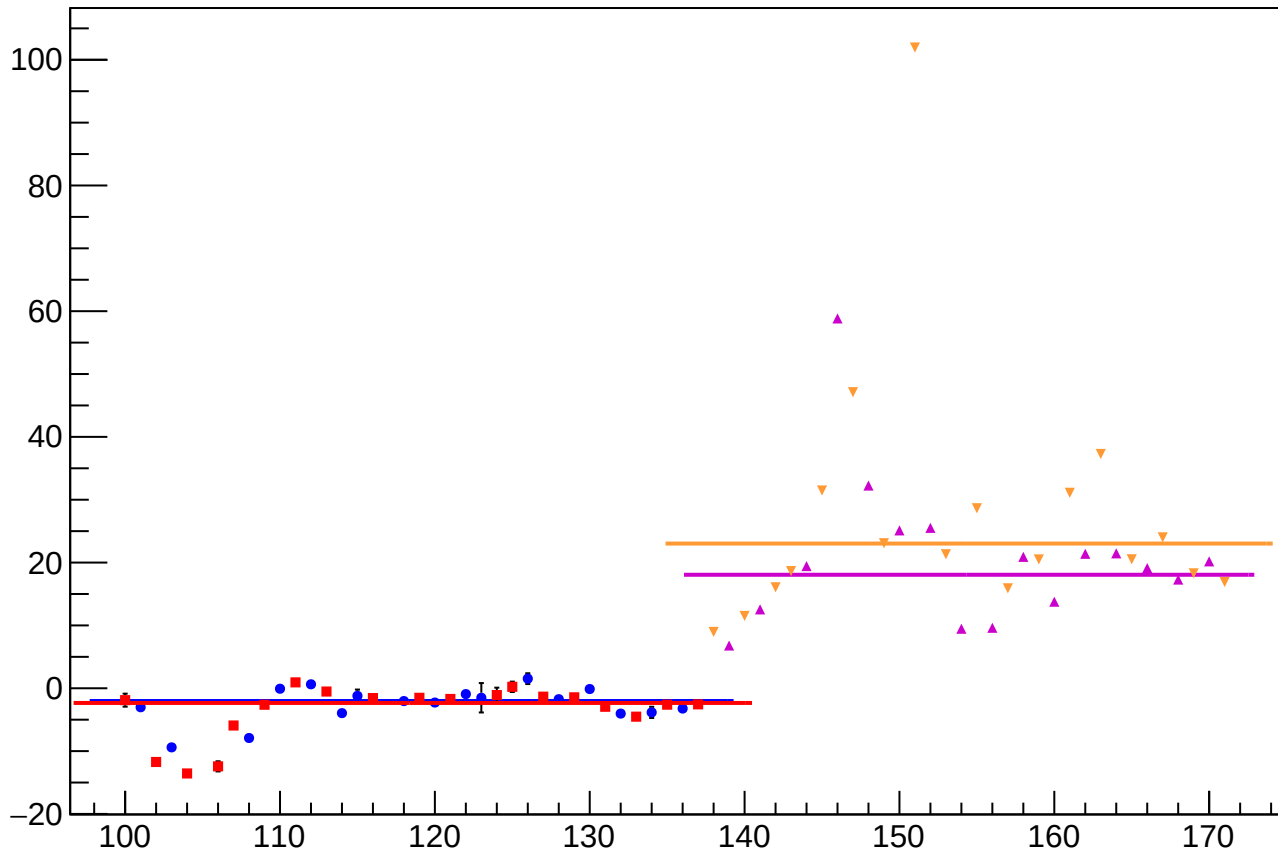
Left In: 1.435 ± 0.037 χ^2/NDF : 1876.3/15

+ sign 1.700 ± 0.034 χ^2/NDF : 3033.5/34

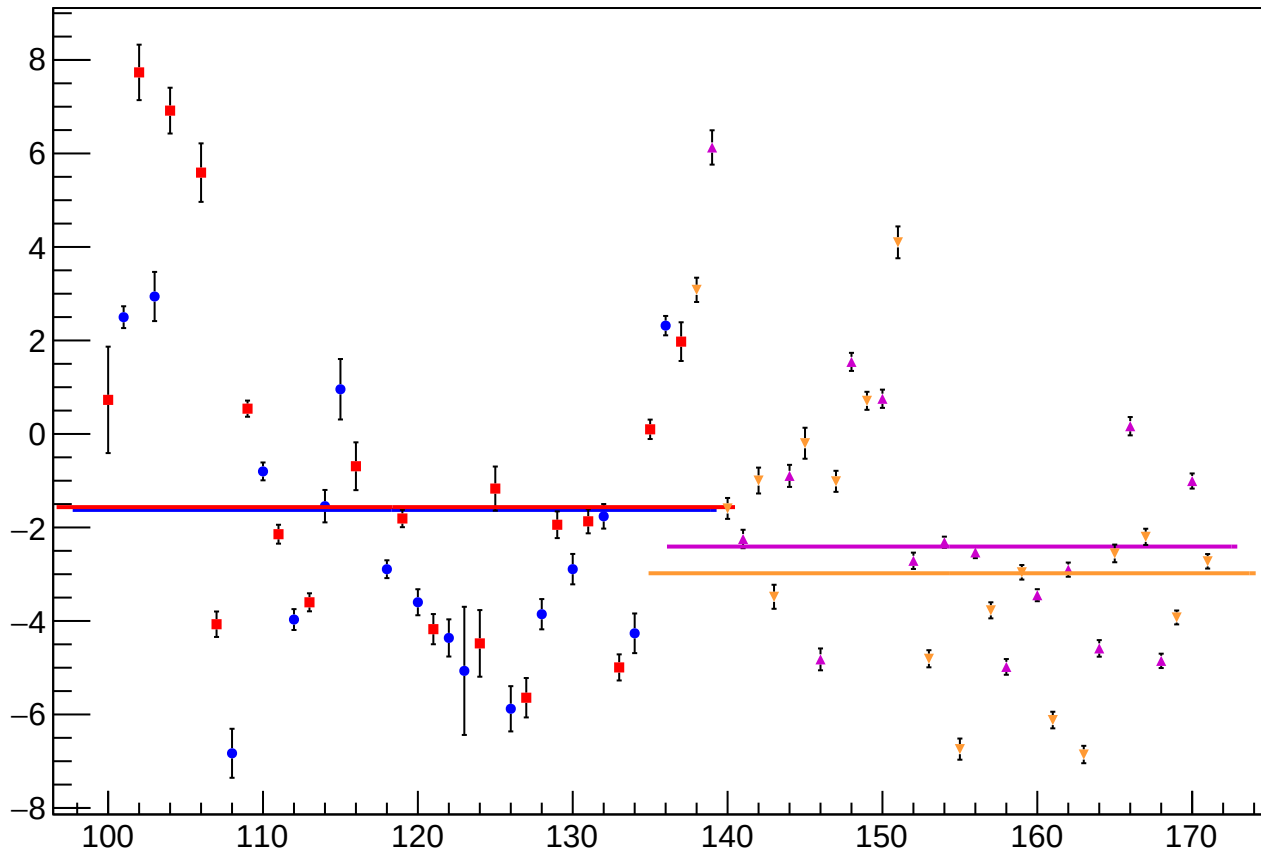
All: 1.495 ± 0.023 χ^2/NDF : 5970.7/69

- sign 1.325 ± 0.031 χ^2/NDF : 2871.4/34

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 $\pm$ 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.980 $\pm$ 0.047 χ^2/NDF : 2797.8/17

Right Out: -1.565 $\pm$ 0.066 χ^2/NDF : 1505.8/18

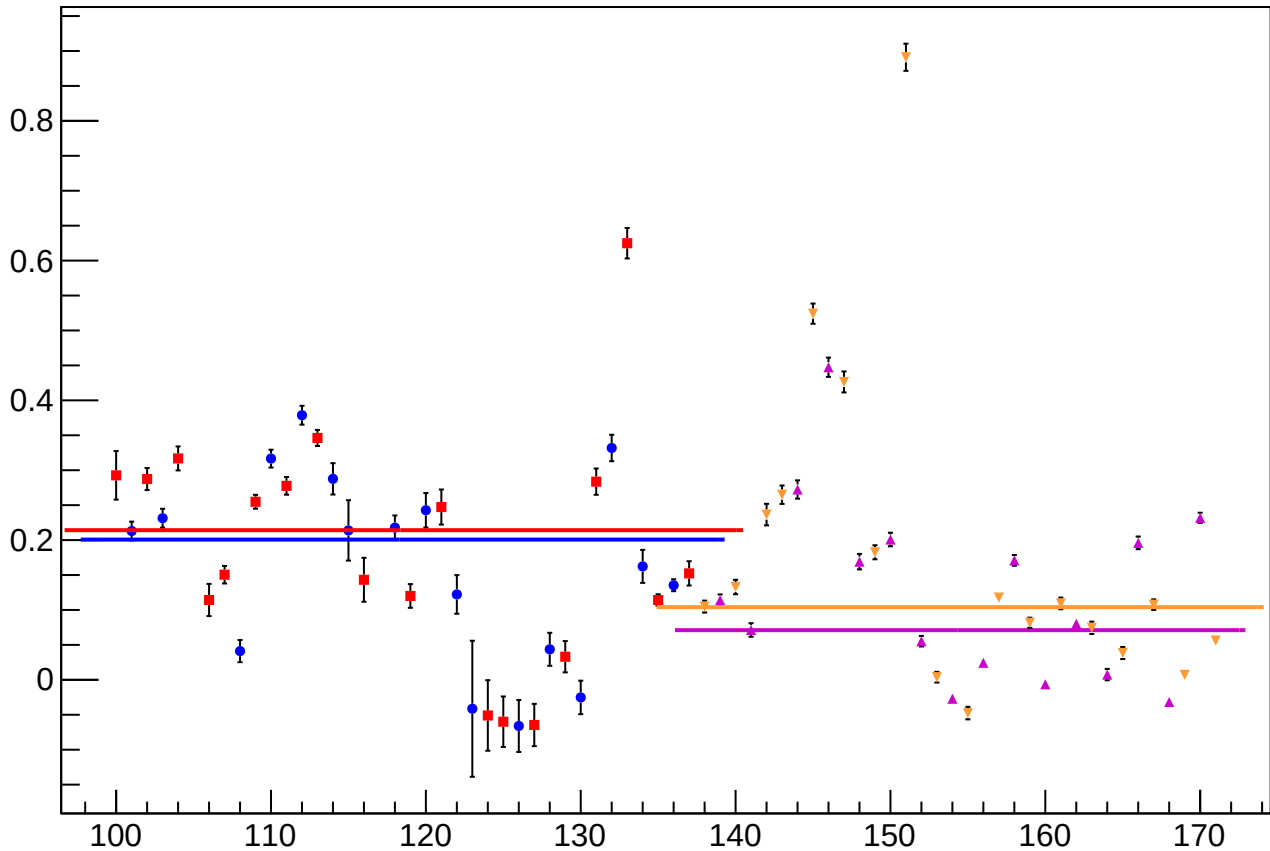
Left In: -2.409 $\pm$ 0.042 χ^2/NDF : 2335.4/15

+ sign -2.573 $\pm$ 0.039 χ^2/NDF : 4372.6/34

All: -2.348 $\pm$ 0.026 χ^2/NDF : 8391.7/69

- sign -2.164 $\pm$ 0.035 χ^2/NDF : 3958.7/34

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.104 ± 0.002 χ^2/NDF : 4034.4/17

Right Out: 0.214 ± 0.004 χ^2/NDF : 1080.4/18

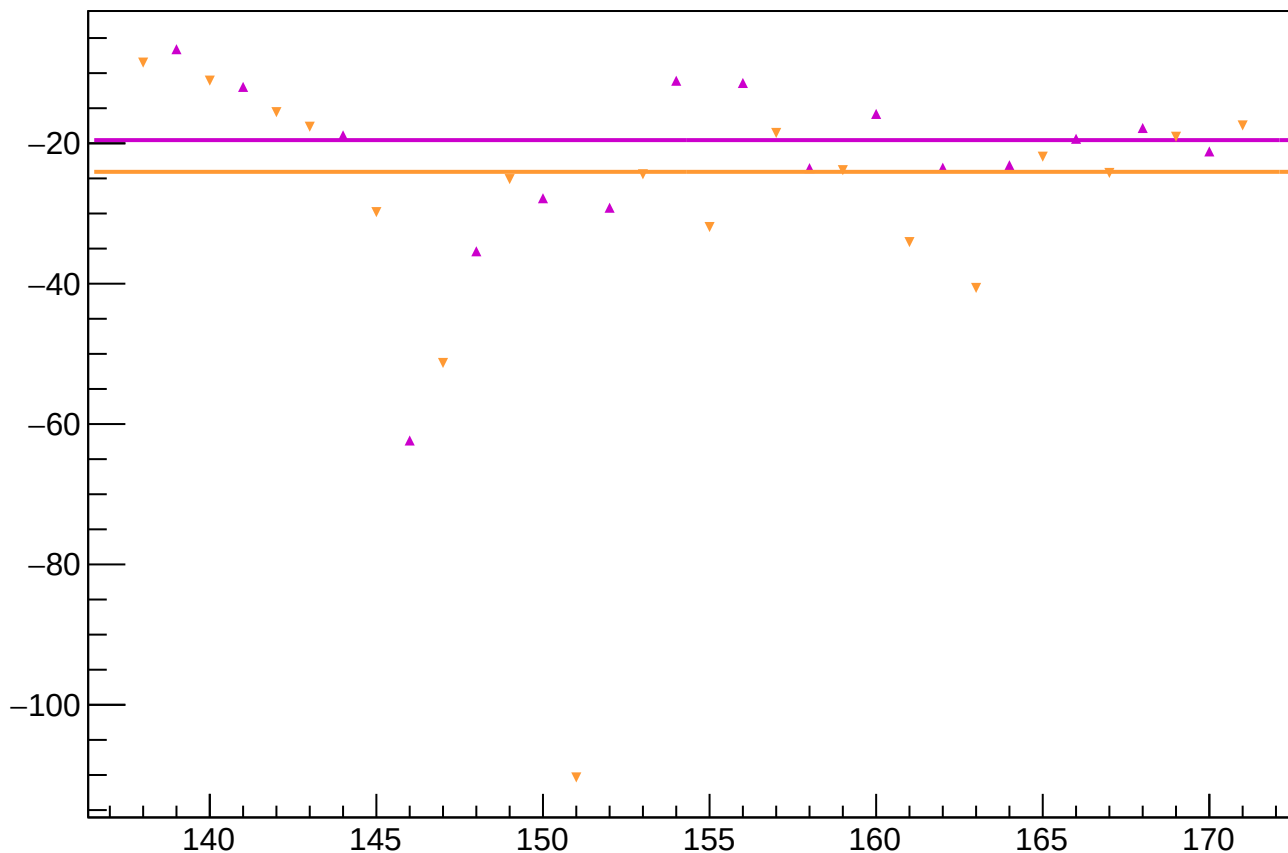
Left In: 0.071 ± 0.002 χ^2/NDF : 3134.5/15

+ sign 0.124 ± 0.002 χ^2/NDF : 5159.3/34

All: 0.110 ± 0.001 χ^2/NDF : 10676.3/69

- sign 0.099 ± 0.002 χ^2/NDF : 5422.7/34

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -24.063+/-0.057 χ^2/NDF : 58983.7/17

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

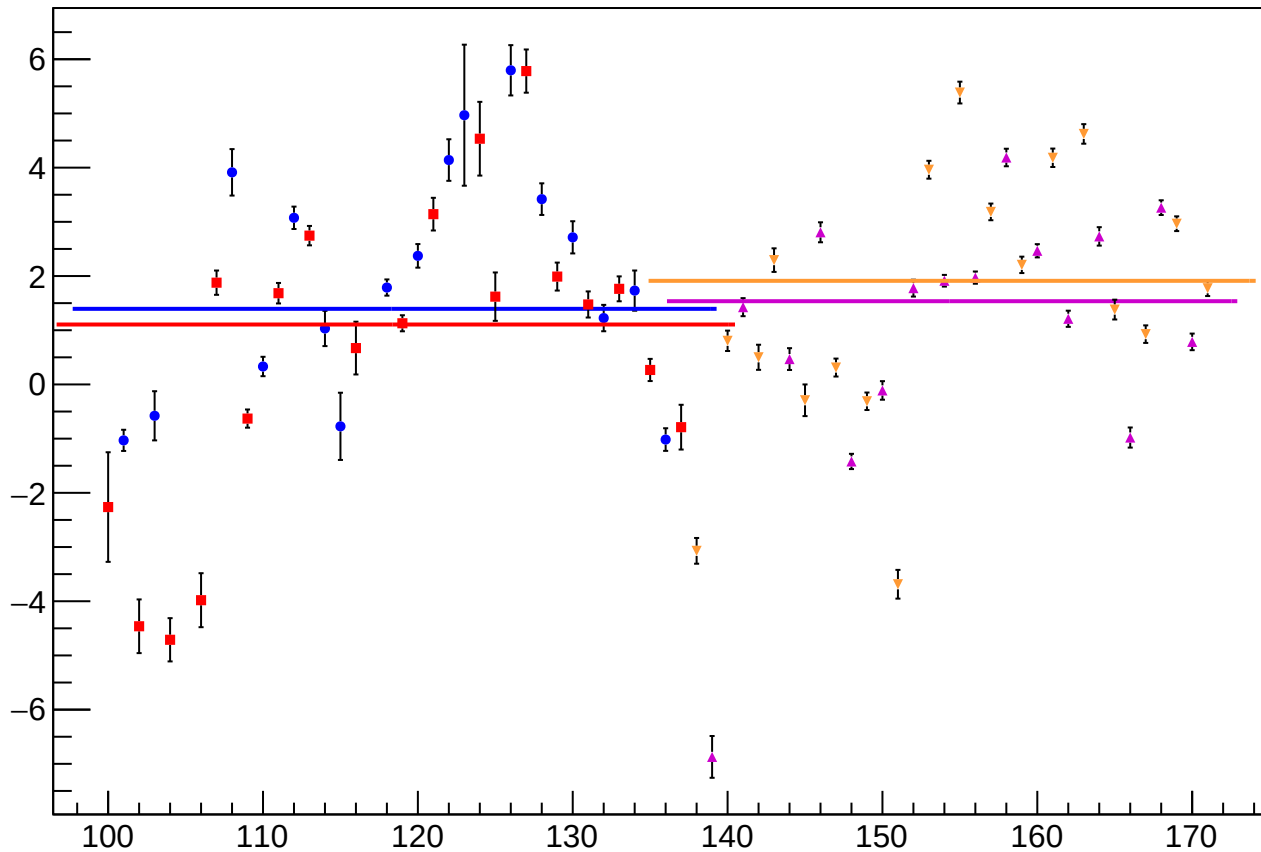
Left In: -19.544+/-0.052 χ^2/NDF : 36042.0/15

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.599+/-0.038 χ^2/NDF : 98499.3/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 $\pm$ 0.063 χ^2/NDF : 701.4/16

Left Out: 1.912 $\pm$ 0.042 χ^2/NDF : 2337.0/17

Right Out: 1.106 $\pm$ 0.059 χ^2/NDF : 937.0/18

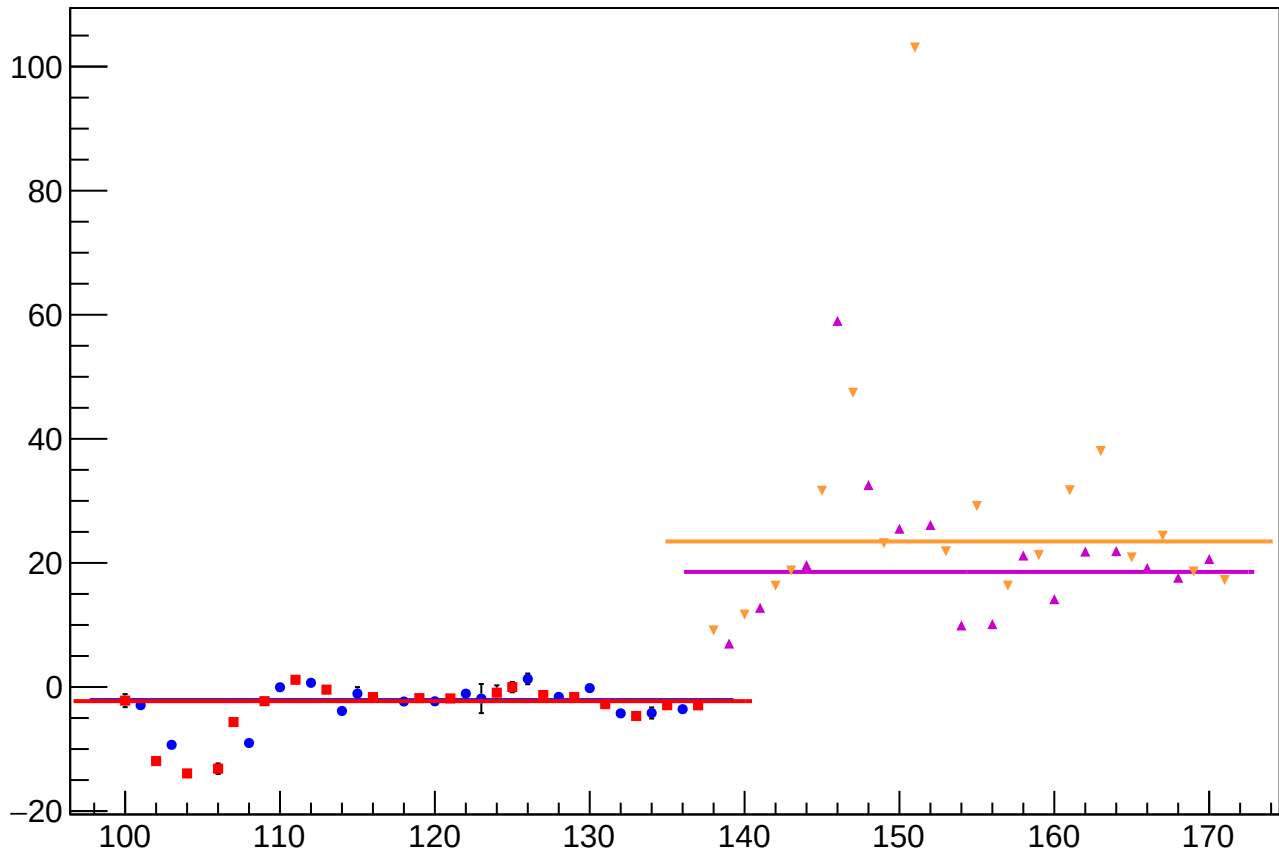
Left In: 1.536 $\pm$ 0.038 χ^2/NDF : 1865.1/15

+ sign 1.753 $\pm$ 0.035 χ^2/NDF : 3085.0/34

All: 1.567 $\pm$ 0.024 χ^2/NDF : 5977.0/69

- sign 1.411 $\pm$ 0.032 χ^2/NDF : 2839.5/34

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 23.461 ± 0.056 χ^2/NDF : 52690.1/17

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

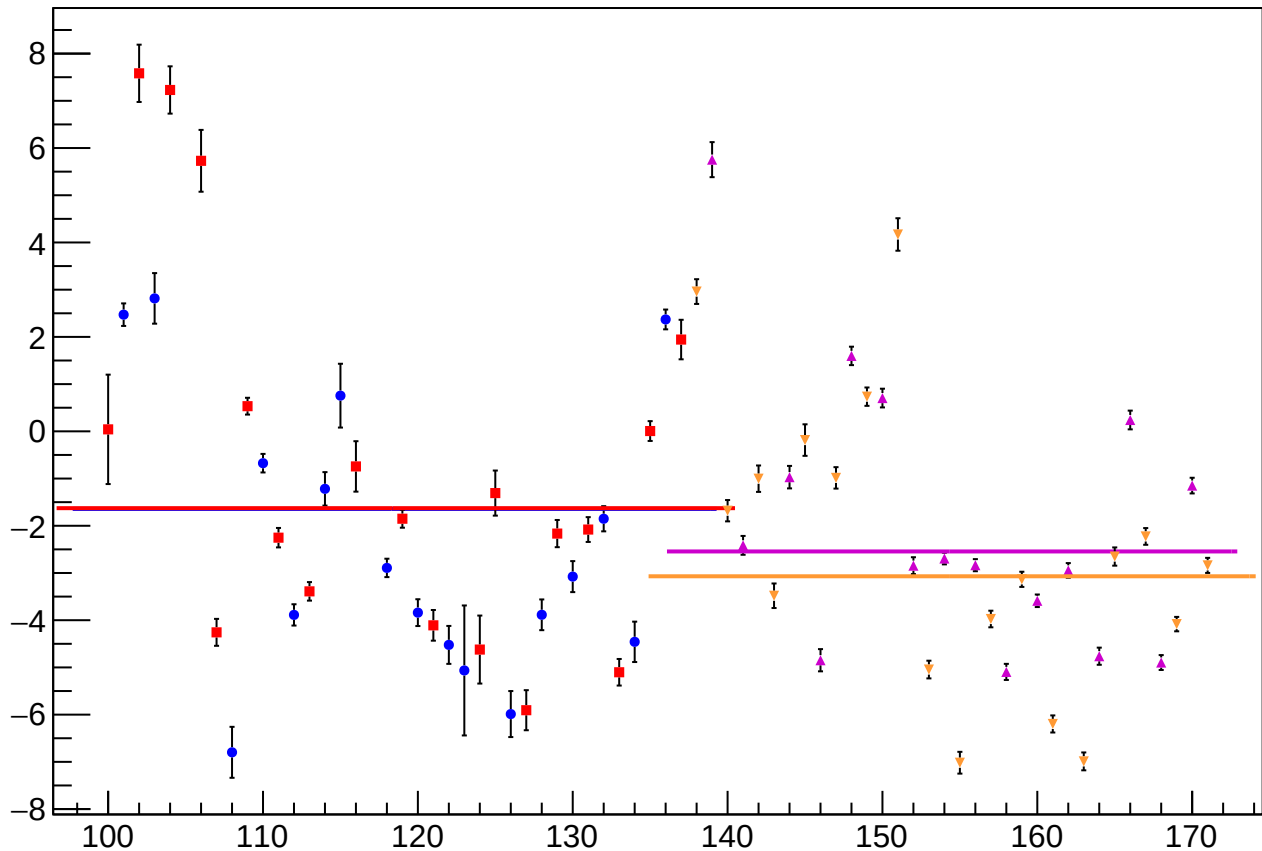
Left In: 18.551 ± 0.050 χ^2/NDF : 34024.2/15

+ sign 18.458 ± 0.050 χ^2/NDF : 94182.1/34

All: 16.225 ± 0.033 χ^2/NDF : 166792.3/69

- sign 14.427 ± 0.045 χ^2/NDF : 69024.1/34

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643±/0.072 χ^2/NDF : 1310.1/16

Left Out: -3.070±/0.048 χ^2/NDF : 2840.9/17

Right Out: -1.627±/0.067 χ^2/NDF : 1468.1/18

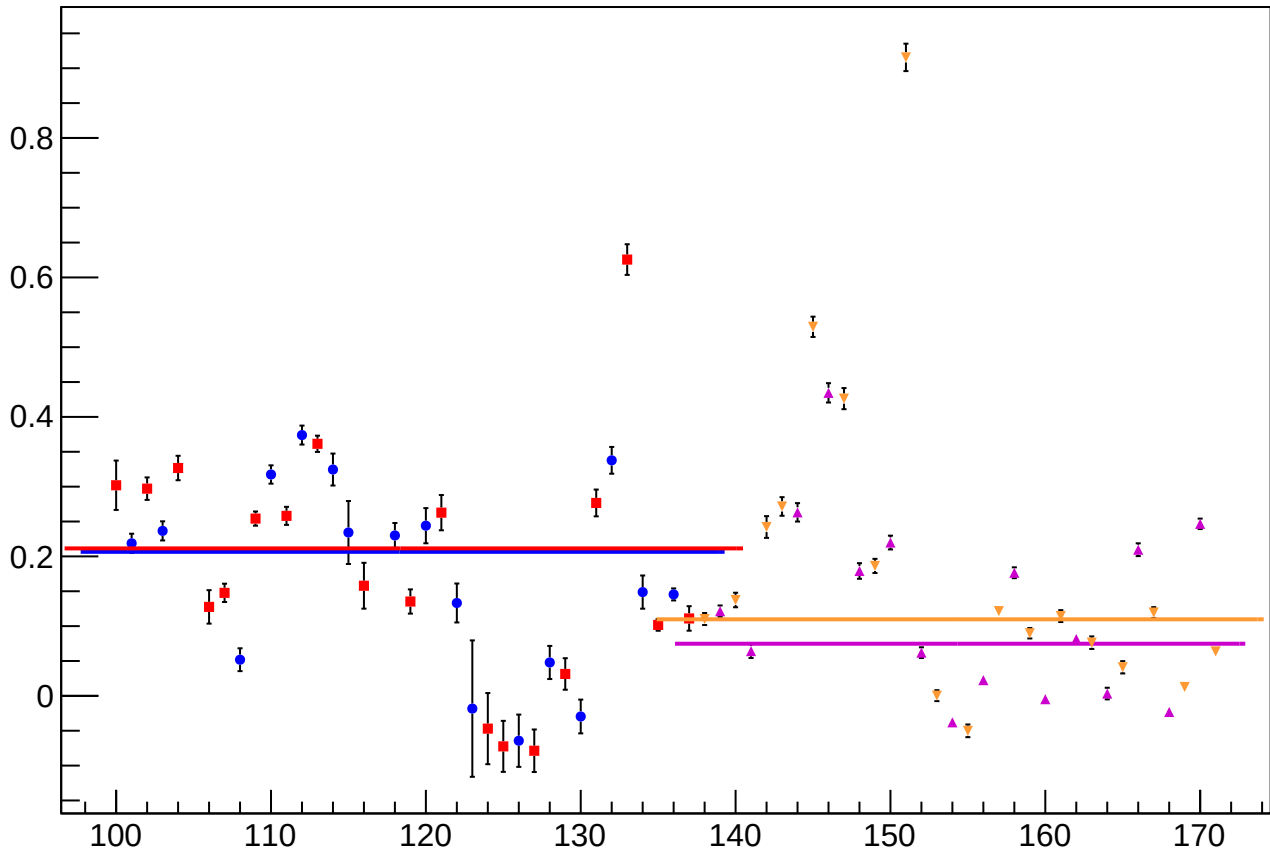
Left In: -2.544±/0.043 χ^2/NDF : 2299.7/15

+ sign -2.640±/0.040 χ^2/NDF : 4422.5/34

All: -2.441±/0.027 χ^2/NDF : 8368.9/69

- sign -2.276±/0.036 χ^2/NDF : 3900.6/34

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 655.0/16

Left Out: 0.110 $\pm$ 0.002 χ^2/NDF : 4059.8/17

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18

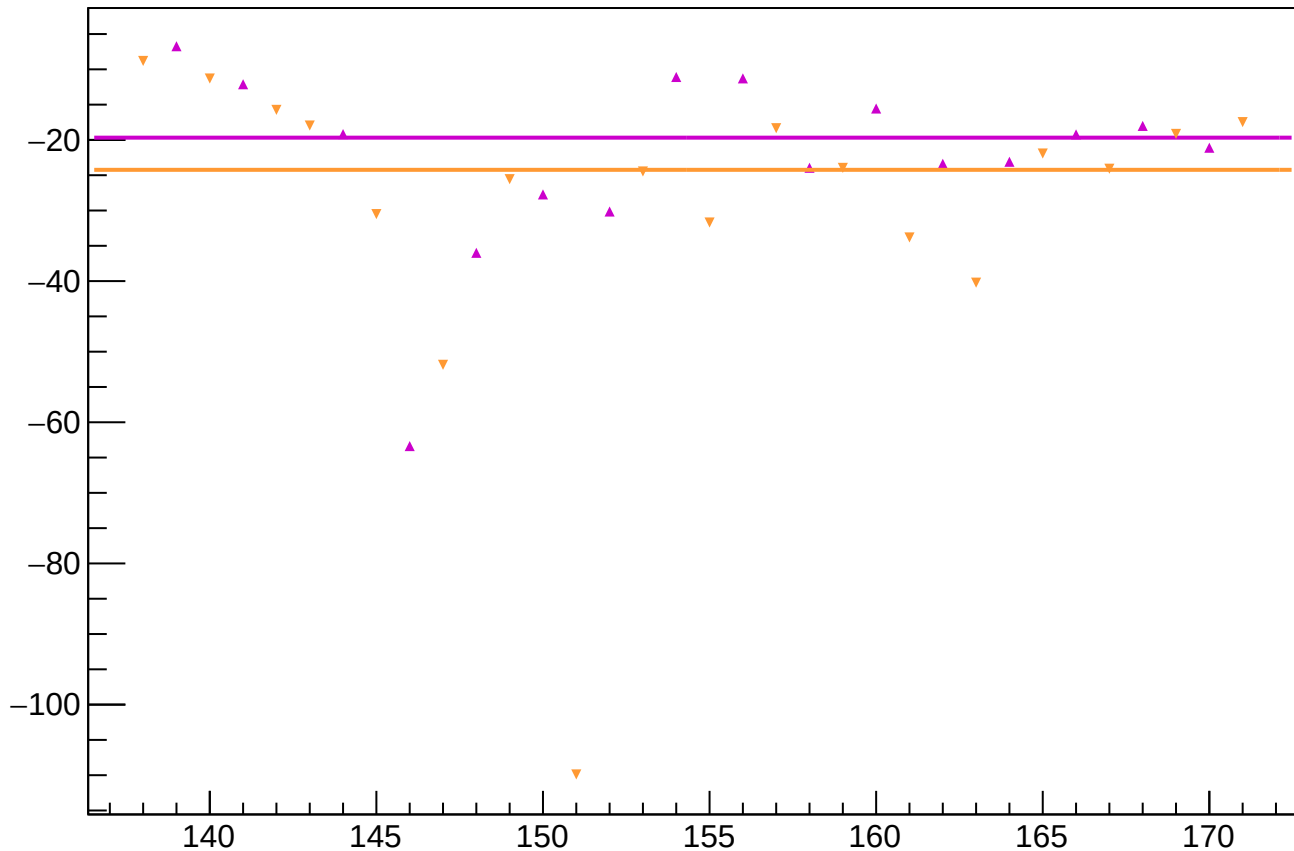
Left In: 0.075 $\pm$ 0.002 χ^2/NDF : 3217.0/15

+ sign 0.129 $\pm$ 0.002 χ^2/NDF : 5134.4/34

All: 0.114 $\pm$ 0.001 χ^2/NDF : 10668.8/69

- sign 0.102 $\pm$ 0.002 χ^2/NDF : 5418.3/34

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: -24.236 $\pm$ 0.057 χ^2 /NDF: 57801.1/17

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

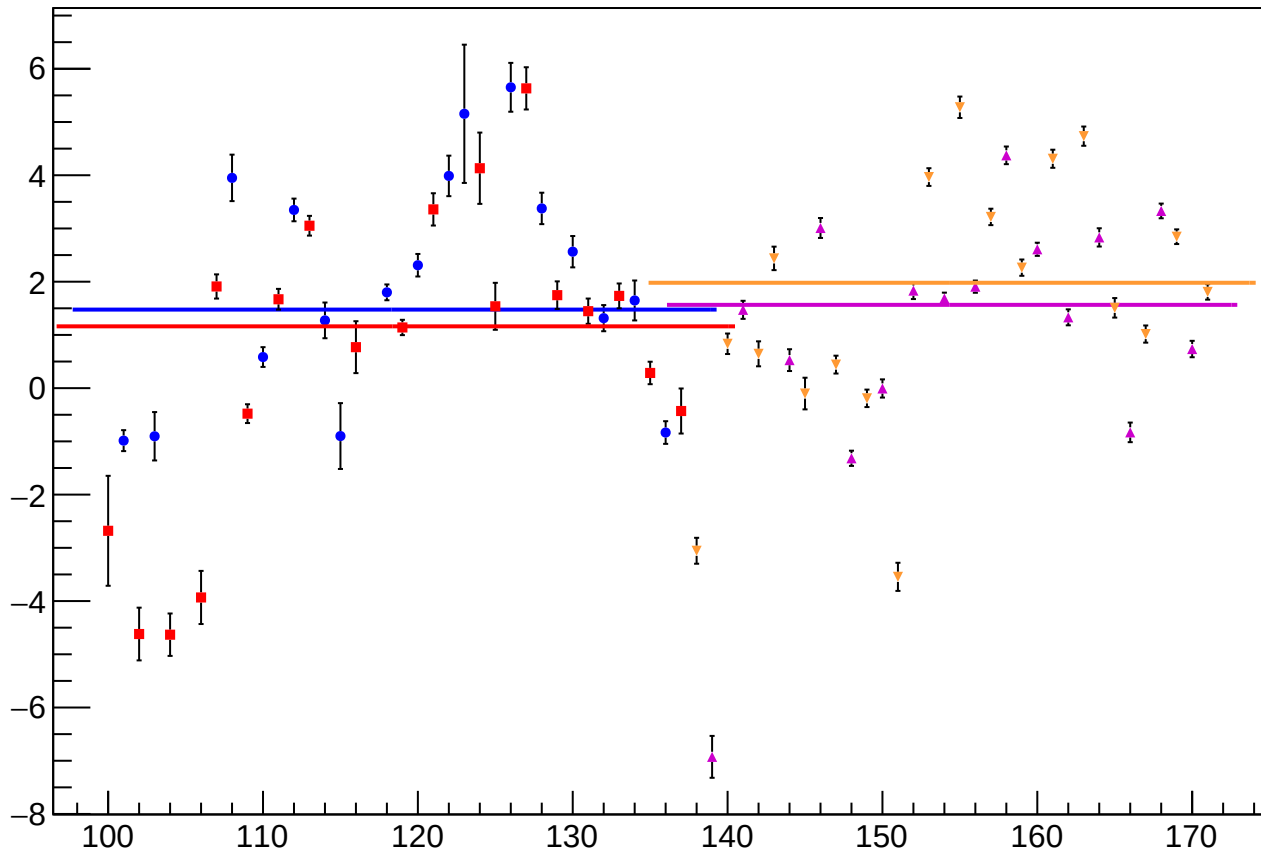
Left In: -19.679 $\pm$ 0.052 χ^2 /NDF: 36332.3/15

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

All: -21.759 $\pm$ 0.039 χ^2 /NDF: 97588.1/33

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

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 $\pm$ 0.064 χ^2/NDF : 659.7/16

Left Out: 1.980 $\pm$ 0.042 χ^2/NDF :2226.8/17

Right Out: 1.161 $\pm$ 0.060 χ^2/NDF : 917.9/18

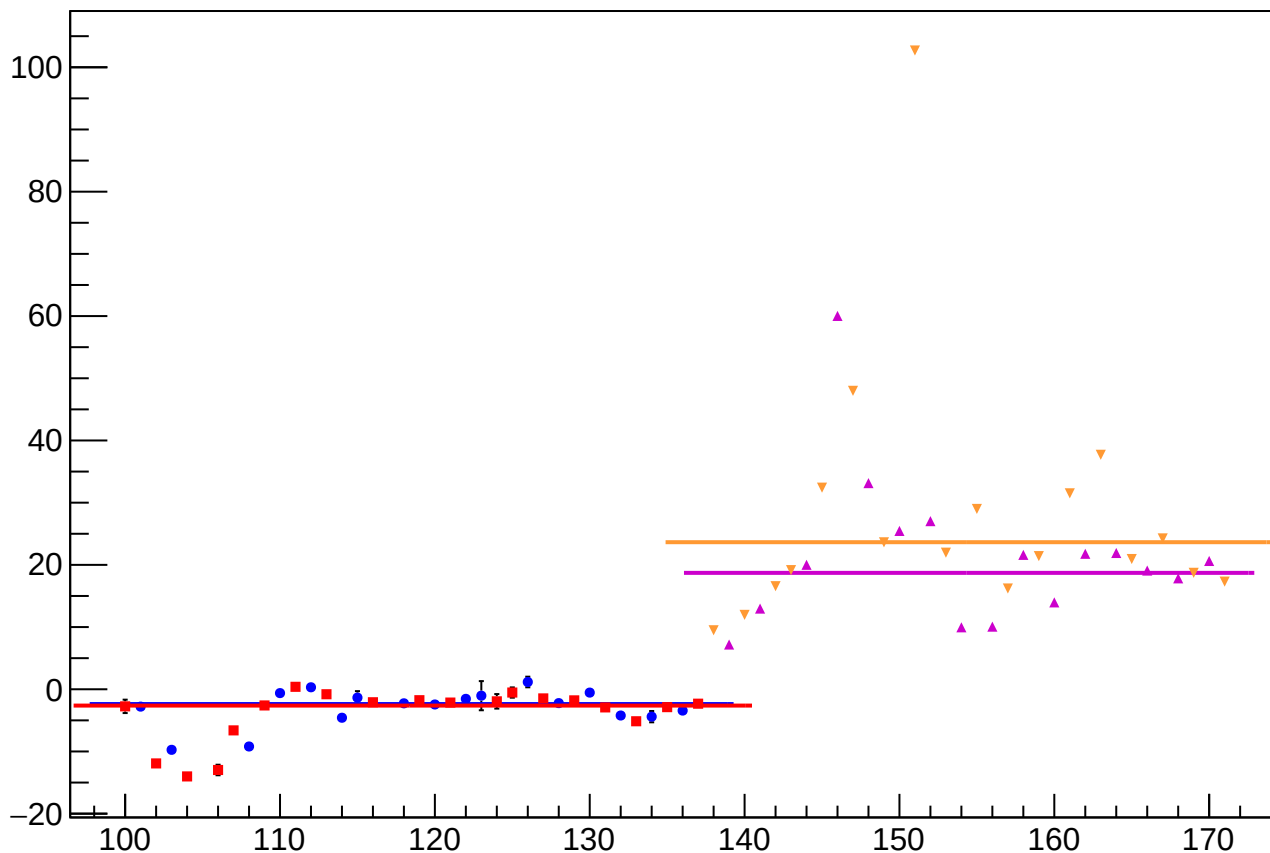
Left In: 1.565 $\pm$ 0.038 χ^2/NDF :1830.9/15

+ sign 1.825 $\pm$ 0.035 χ^2/NDF : 2930.0/34

All: 1.620 $\pm$ 0.024 χ^2/NDF : 5773.5/69

- sign 1.448 $\pm$ 0.032 χ^2/NDF : 2781.0/34

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 23.645 ± 0.056 χ^2/NDF : 51748.0/17

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

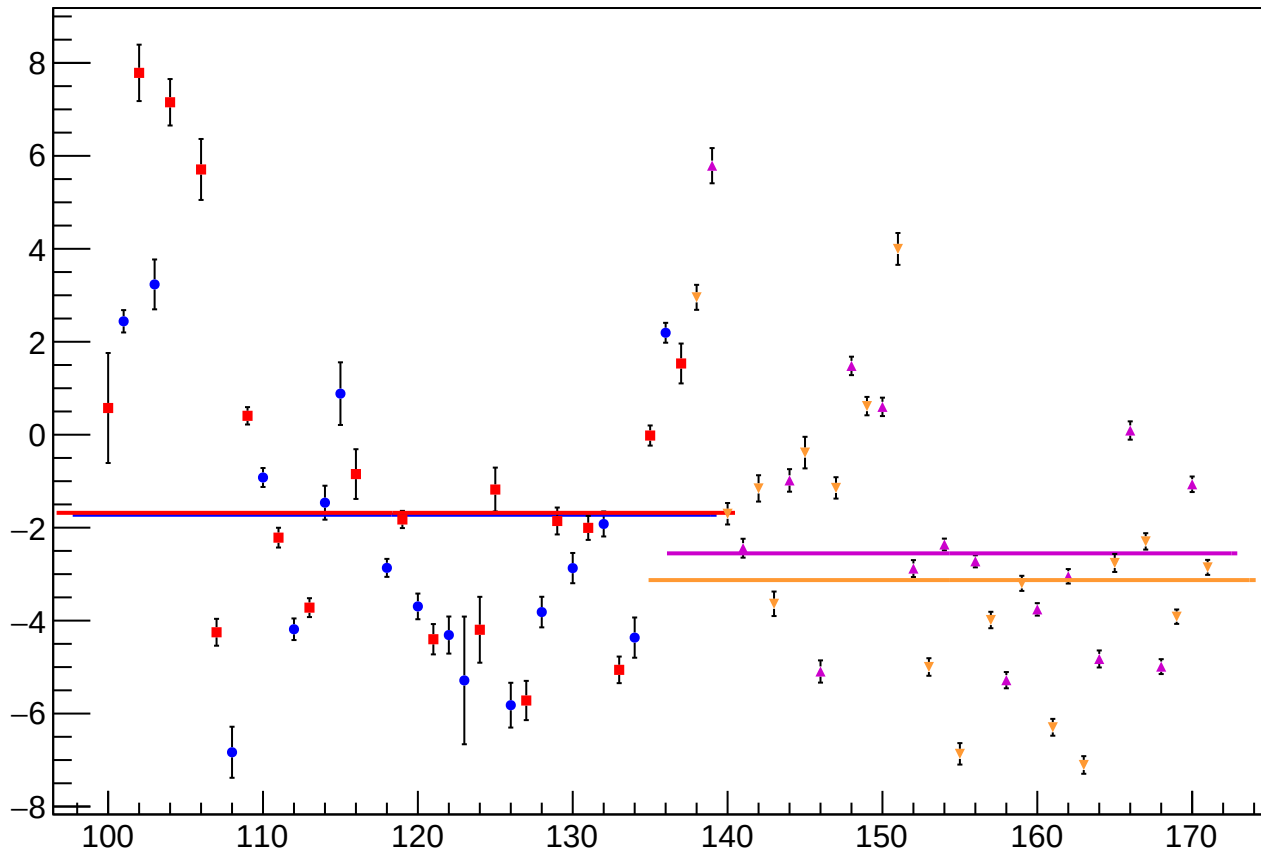
Left In: 18.715 ± 0.051 χ^2/NDF : 34332.4/15

+ sign 18.603 ± 0.051 χ^2/NDF : 93457.8/34

All: 16.365 ± 0.034 χ^2/NDF : 166533.6/69

- sign 14.547 ± 0.046 χ^2/NDF : 69534.7/34

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722 $\pm$ 0.073 χ^2/NDF : 1247.6/16

Left Out: -3.128 $\pm$ 0.048 χ^2/NDF : 2716.4/17

Right Out: -1.681 $\pm$ 0.068 χ^2/NDF : 1431.0/18

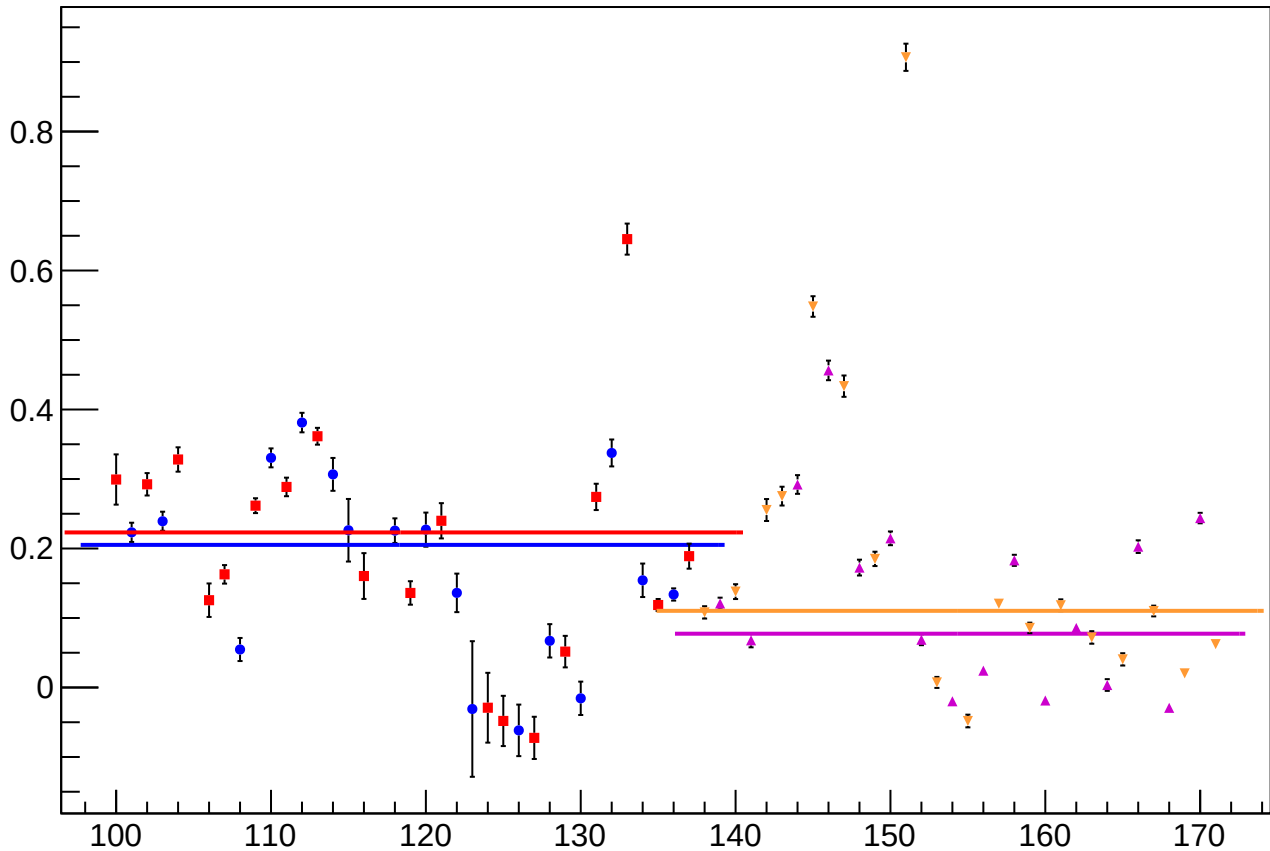
Left In: -2.553 $\pm$ 0.044 χ^2/NDF : 2291.7/15

+ sign -2.705 $\pm$ 0.040 χ^2/NDF : 4222.5/34

All: -2.484 $\pm$ 0.027 χ^2/NDF : 8117.9/69

- sign -2.299 $\pm$ 0.037 χ^2/NDF : 3839.5/34

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.004 χ^2 /NDF: 650.7/16

Left Out: 0.110 $\pm$ 0.002 χ^2 /NDF: 4044.7/17

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1040.5/18

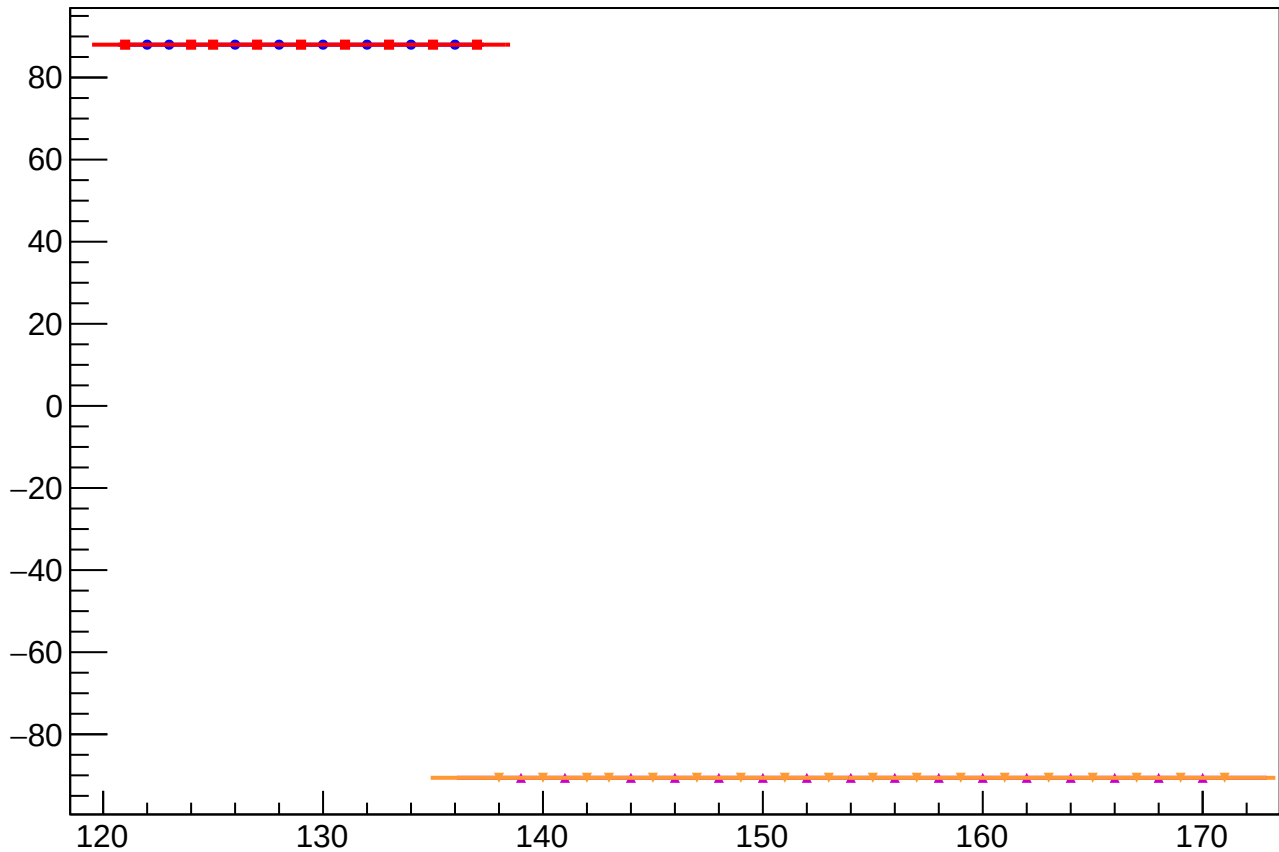
Left In: 0.077 $\pm$ 0.002 χ^2 /NDF: 3182.7/15

+ sign 0.129 $\pm$ 0.002 χ^2 /NDF: 5088.8/34

All: 0.116 $\pm$ 0.001 χ^2 /NDF: 10548.6/69

- sign 0.106 $\pm$ 0.002 χ^2 /NDF: 5378.3/34

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 714089.5/7

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5218952.3/17

Right Out: 88.001 $\pm$ 0.000 χ^2 /NDF: 109456.0/8

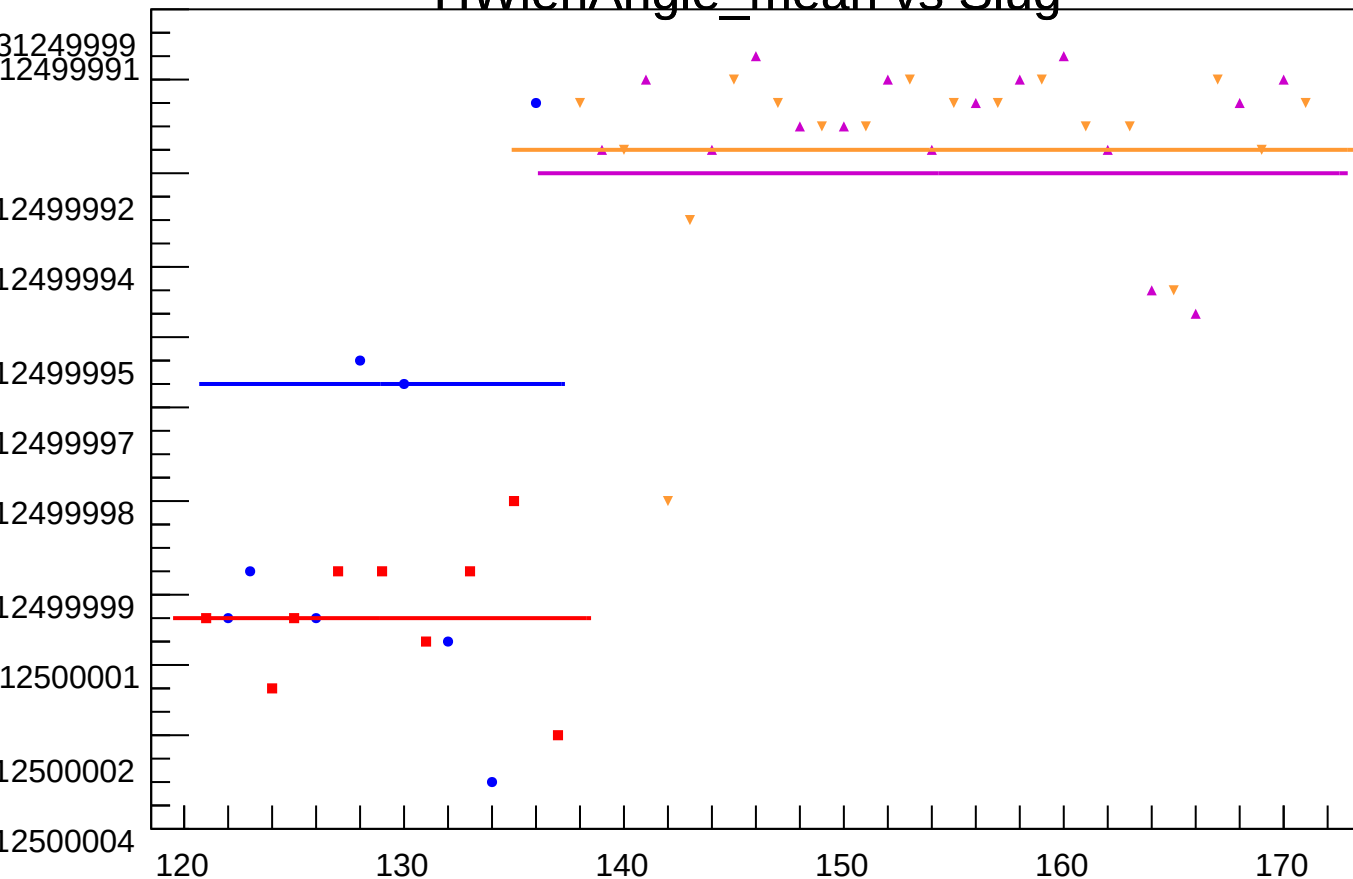
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5077184.5/15

+ sign -55.455 $\pm$ 0.000 χ^2 /NDF: 876243201307248

All: -55.338 $\pm$ 0.000 χ^2 /NDF: 169218010877

- sign -55.212 $\pm$ 0.000 χ^2 /NDF: 8159319856422349

HWienAngle_mean vs Slug



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 228403.6/17

Right Out: -29.641+/-0.000 χ^2/NDF : 29358.2/8

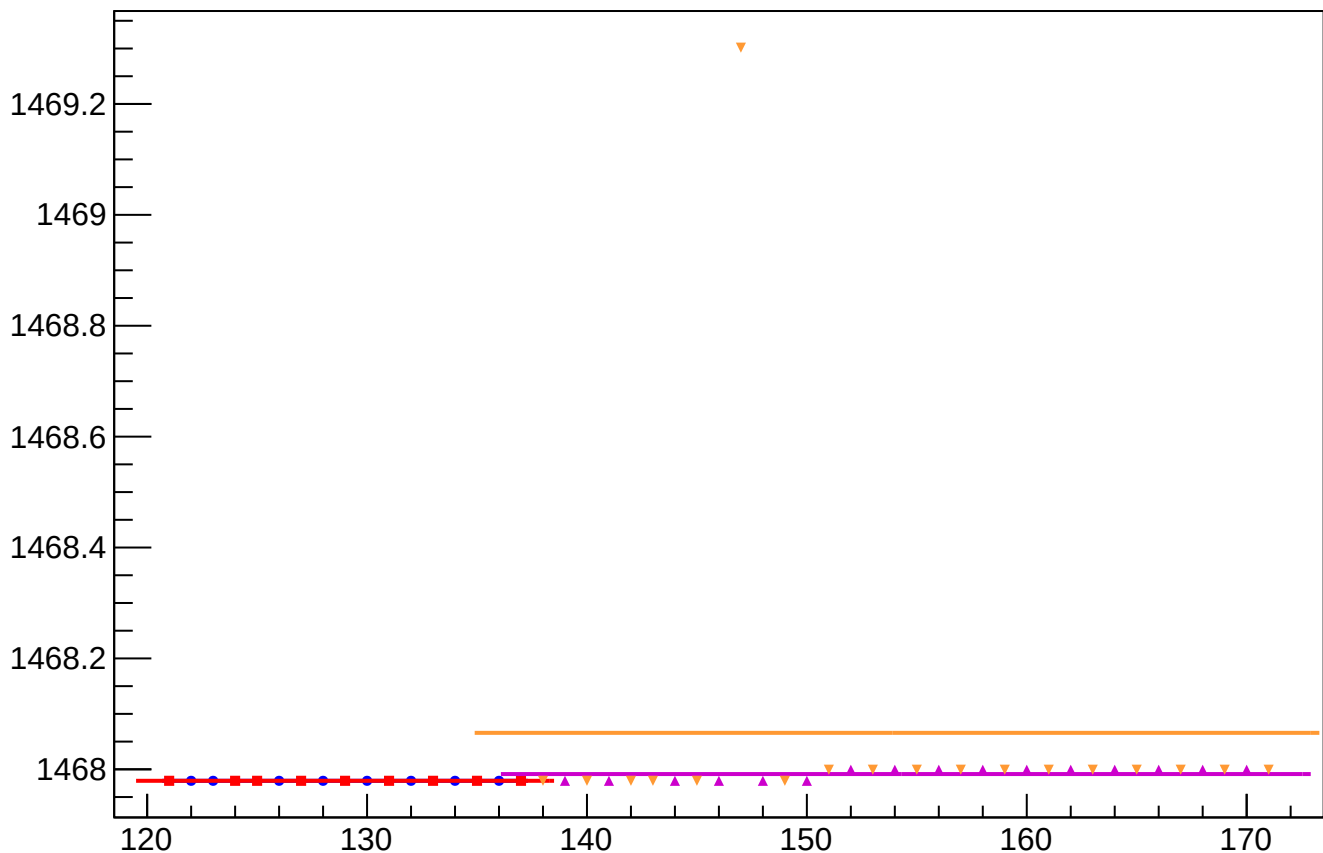
Left In: -29.641+/-0.000 χ^2/NDF : 198363.8/15

+ sign -29.641+/-0.000 χ^2/NDF : 1201176.4/25

All: -29.641+/-0.000 χ^2/NDF : 2674453.0/50

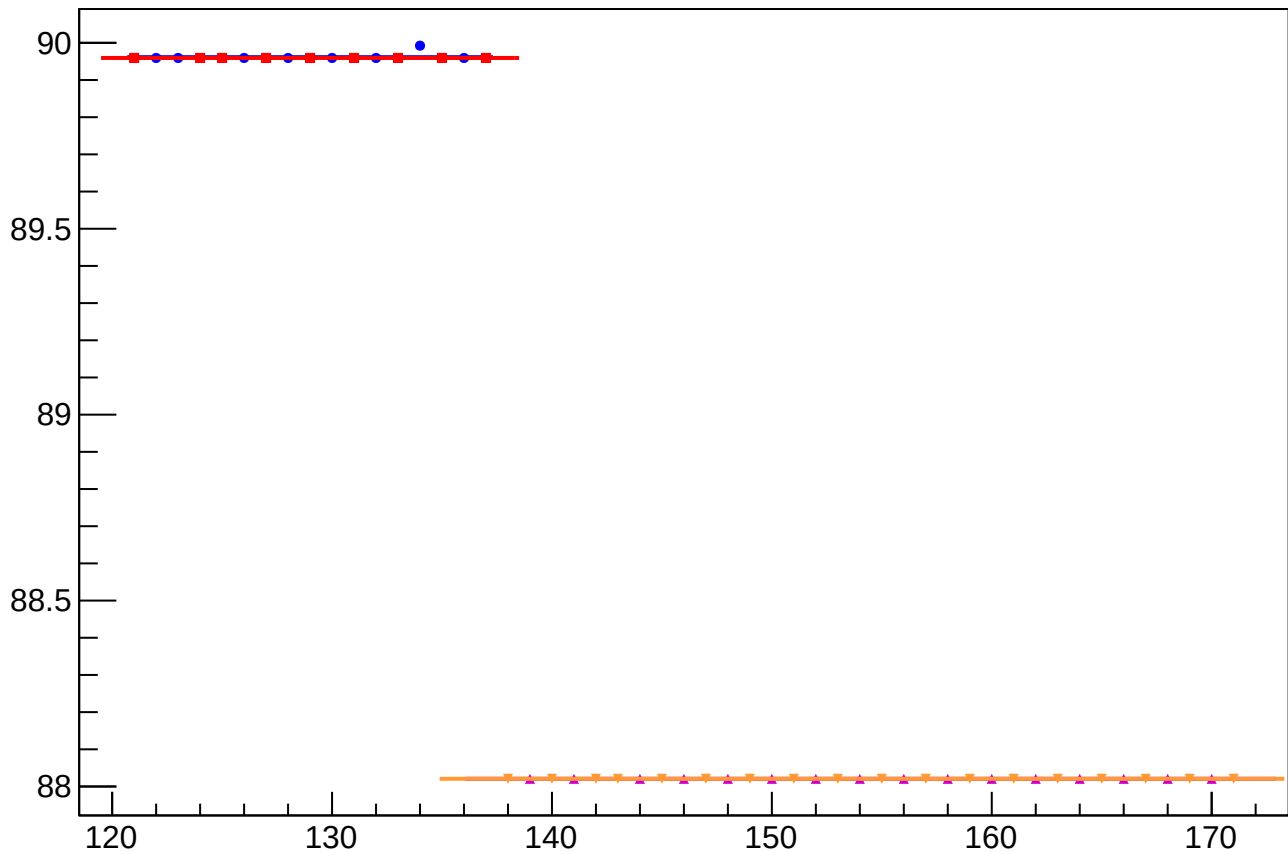
- sign -29.641+/-0.000 χ^2/NDF : 1943311.5/24

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7
 Left Out: 1468.066+/-0.000 χ^2/NDF : 126274638156017744473598694785024.0/17
 Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8
 Left In: 1467.991+/-0.000 χ^2/NDF : 123070487966281594197961080832.0/15
 + sign 1468.049+/-0.000 χ^2/NDF : 12832931097257
 - sign 1467.989+/-0.000 χ^2/NDF : 16090062106902
 All: 1468.020+/-0.000 χ^2/NDF : 13147049736

Phi_FG_mean vs Slug



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 4601798.0/17

Right Out: 89.959+/-0.000 χ^2/NDF : 331397.3/8

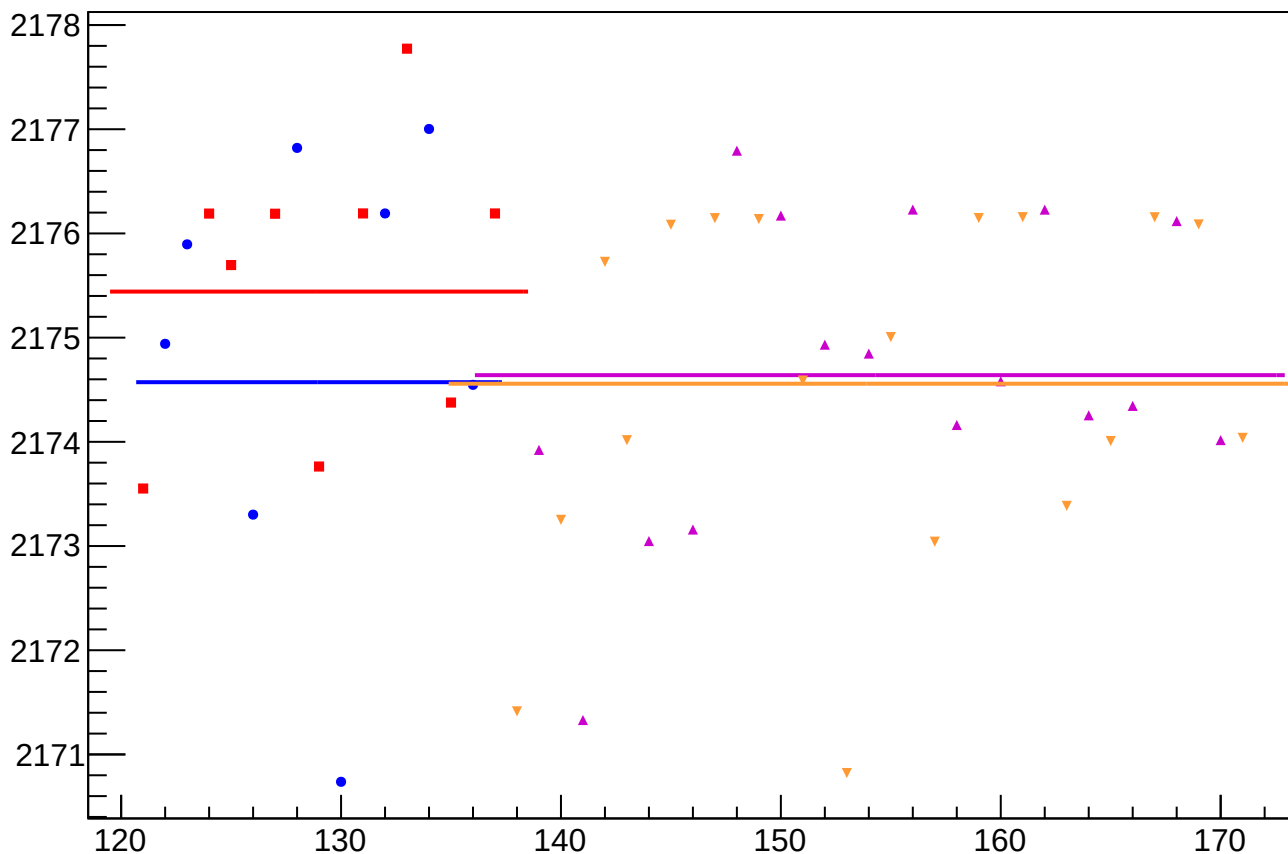
Left In: 88.021+/-0.000 χ^2/NDF : 4825960.7/15

+ sign 88.403+/-0.000 χ^2/NDF : 1034554022272502

All: 88.404+/-0.000 χ^2/NDF : 1995870864949

- sign 88.405+/-0.000 χ^2/NDF : 9613126688365440

HALLA_p_mean vs Slug



Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.558+/-0.000 χ^2/NDF : 3961617957074318991492364684492800.0/17

Right Out: 2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

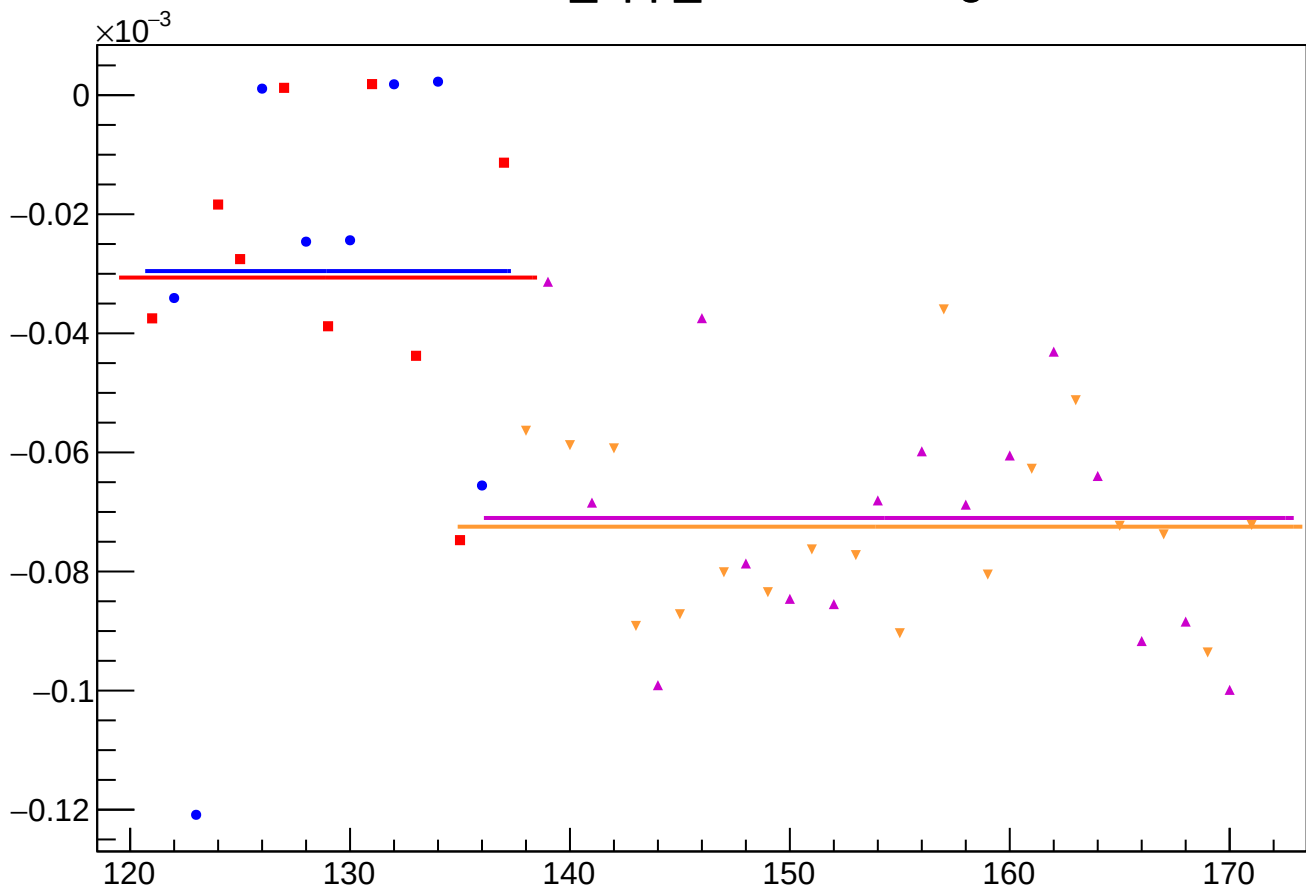
Left In: 2174.640+/-0.000 χ^2/NDF : 2633723365059104496347361568620544.0/15

+ sign 2174.561+/-0.000 χ^2/NDF : 53219418435464

All: 2174.675+/-0.000 χ^2/NDF : 87783991540

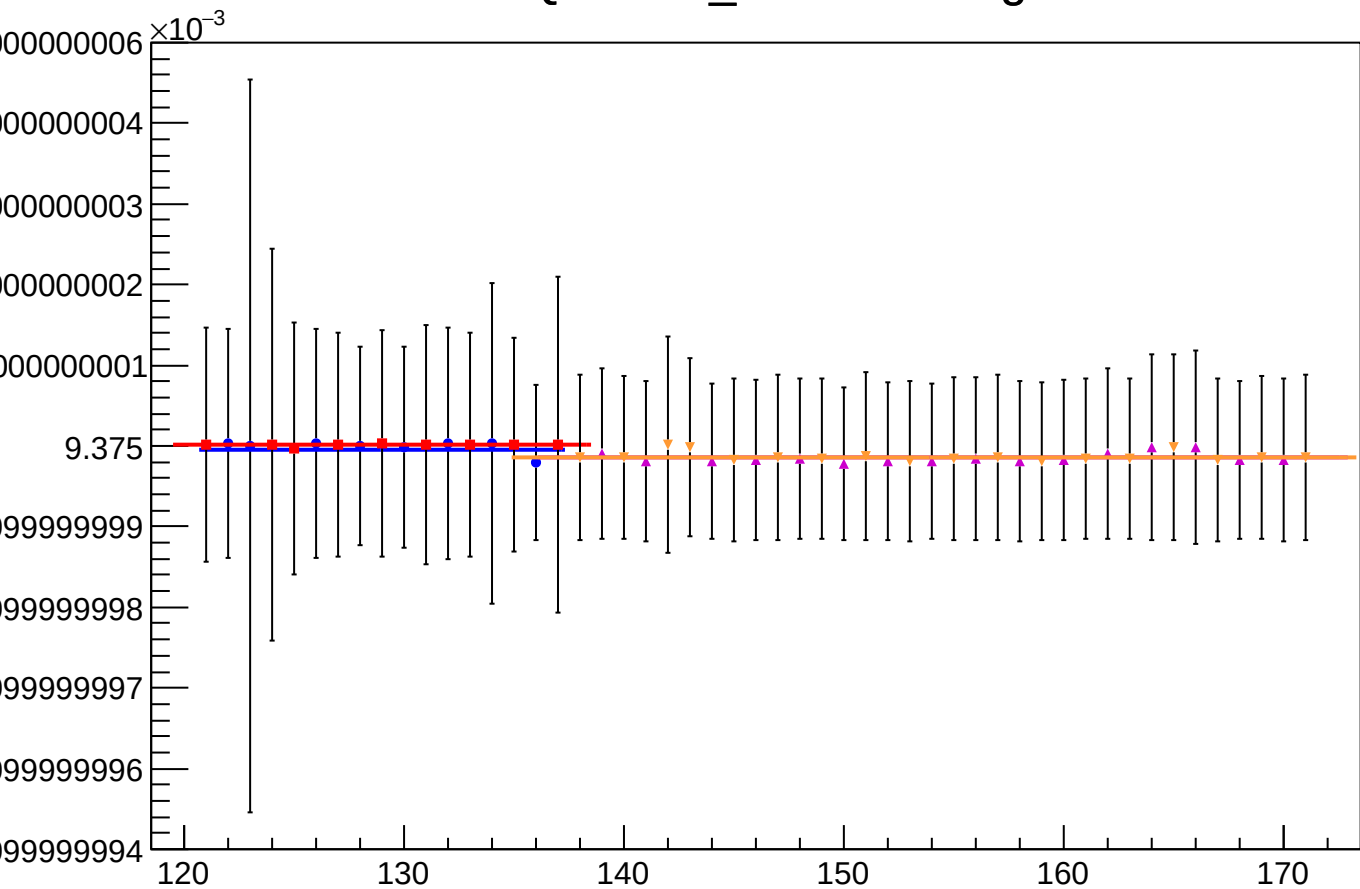
- sign 2174.799+/-0.000 χ^2/NDF : 34090076610117

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 250161267307815387529216.0/7	+ sign -0.000+/-0.000	χ^2/NDF : 1072917643902738
Left Out: -0.000+/-0.000	χ^2/NDF : 316521891822752208257024.0/17	All: -0.000+/-0.000	χ^2/NDF : 2207647609715
Right Out: -0.000+/-0.000	χ^2/NDF : 196732771178766734983168.0/8	- sign -0.000+/-0.000	χ^2/NDF : 11338692964054807
Left In: -0.000+/-0.000	χ^2/NDF : 520103546705728262635520.0/15		

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:0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

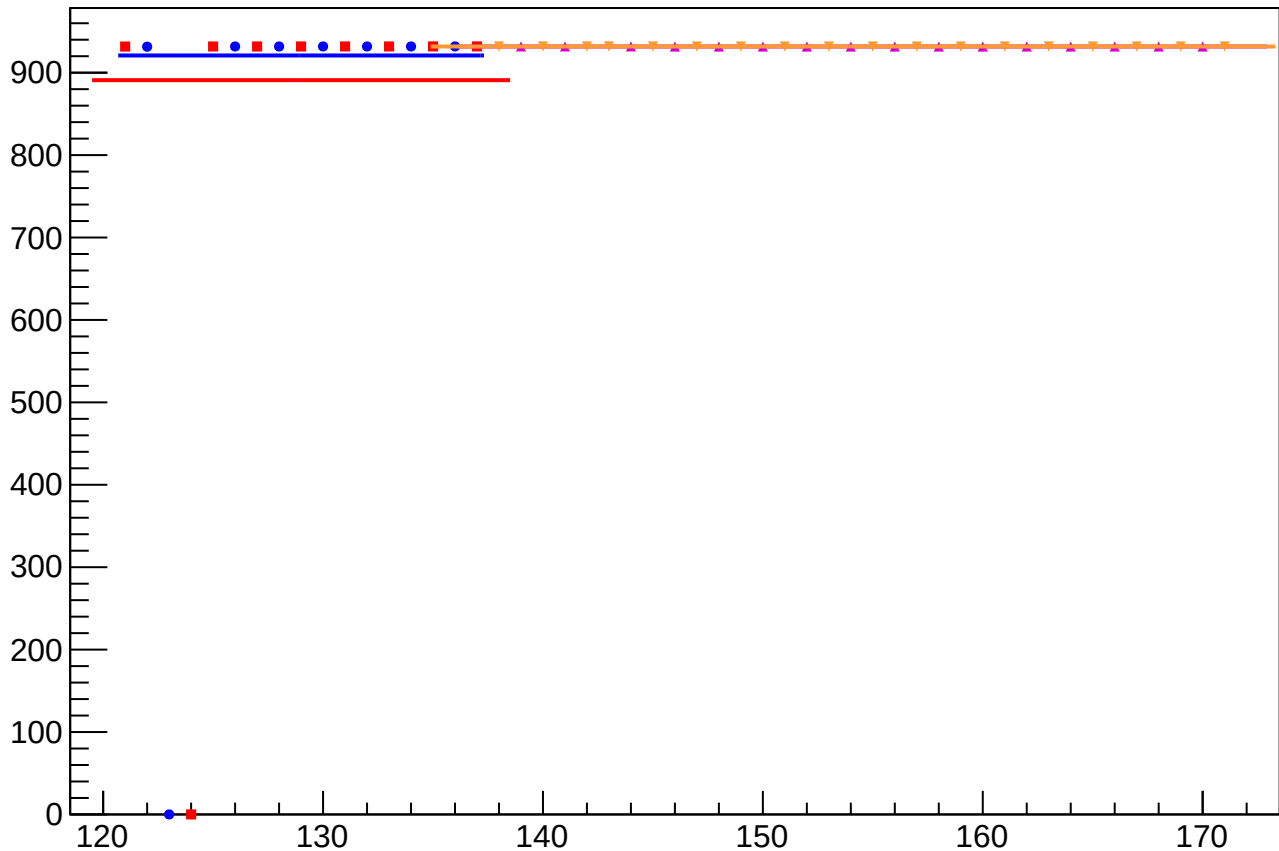
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/15

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/25

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/50

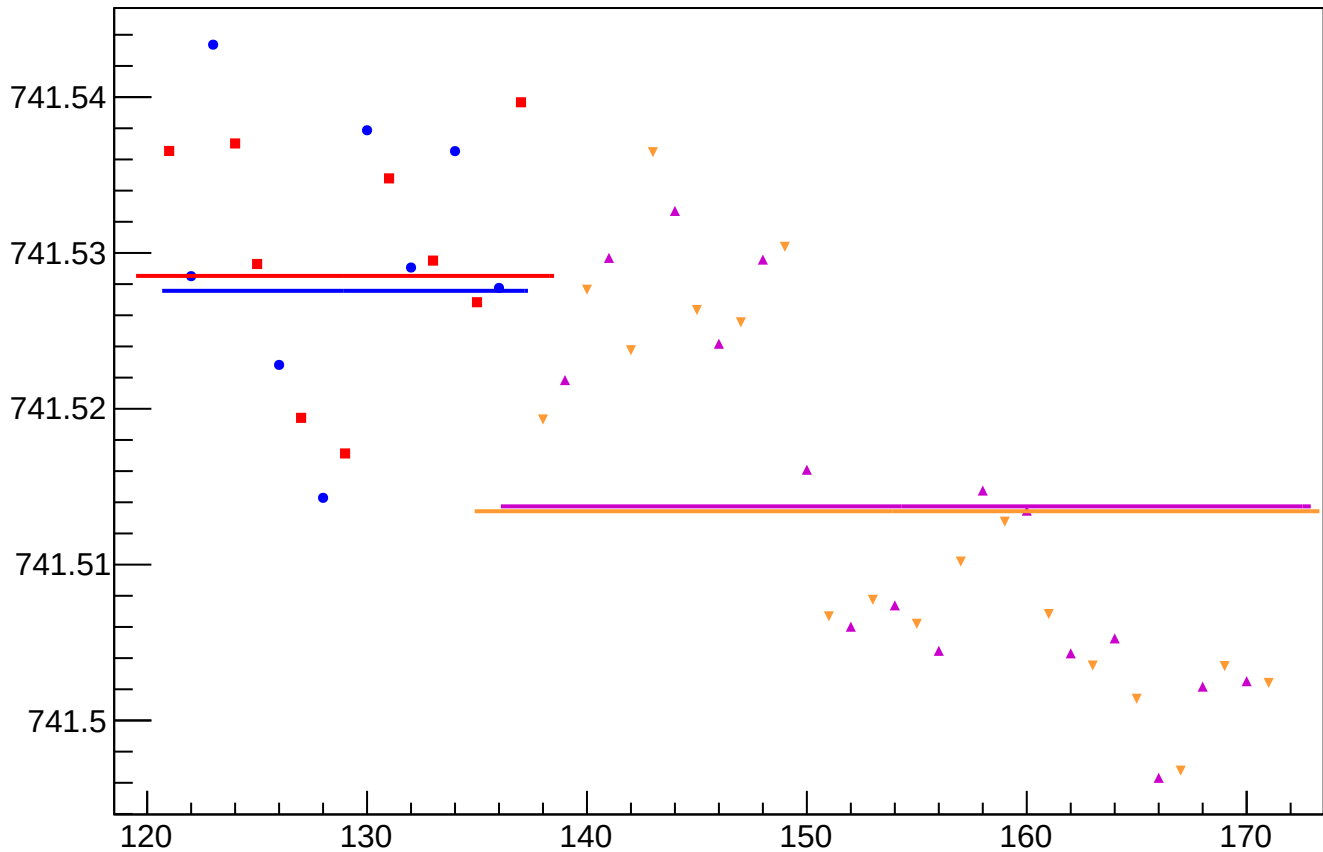
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 +/- 0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
 Left Out: 931.784 +/- 0.000 χ^2/NDF : 3845305844464548797182728208384.0/17
 Right Out: 890.923 +/- 0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
 Left In: 931.773 +/- 0.000 χ^2/NDF : 3376361485574593352568225660928.0/15

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.513+/-0.000 χ^2/NDF : 181213363206903929492855586816.0/17

Right Out: 741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

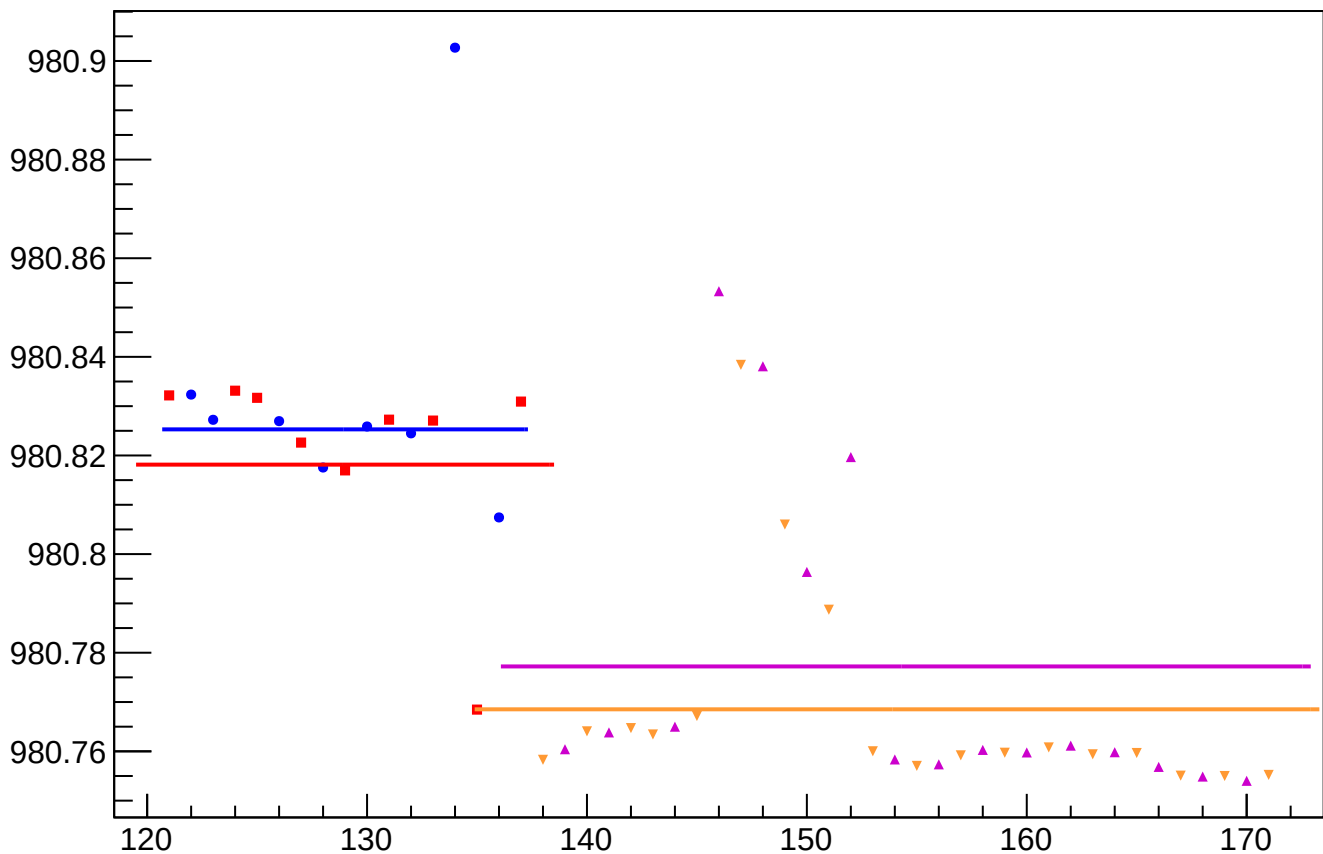
Left In: 741.514+/-0.000 χ^2/NDF : 155147332325440332398900281344.0/15

+ sign 741.516+/-0.000 χ^2/NDF : 255061392677120

All: 741.516+/-0.000 χ^2/NDF : 482902016928

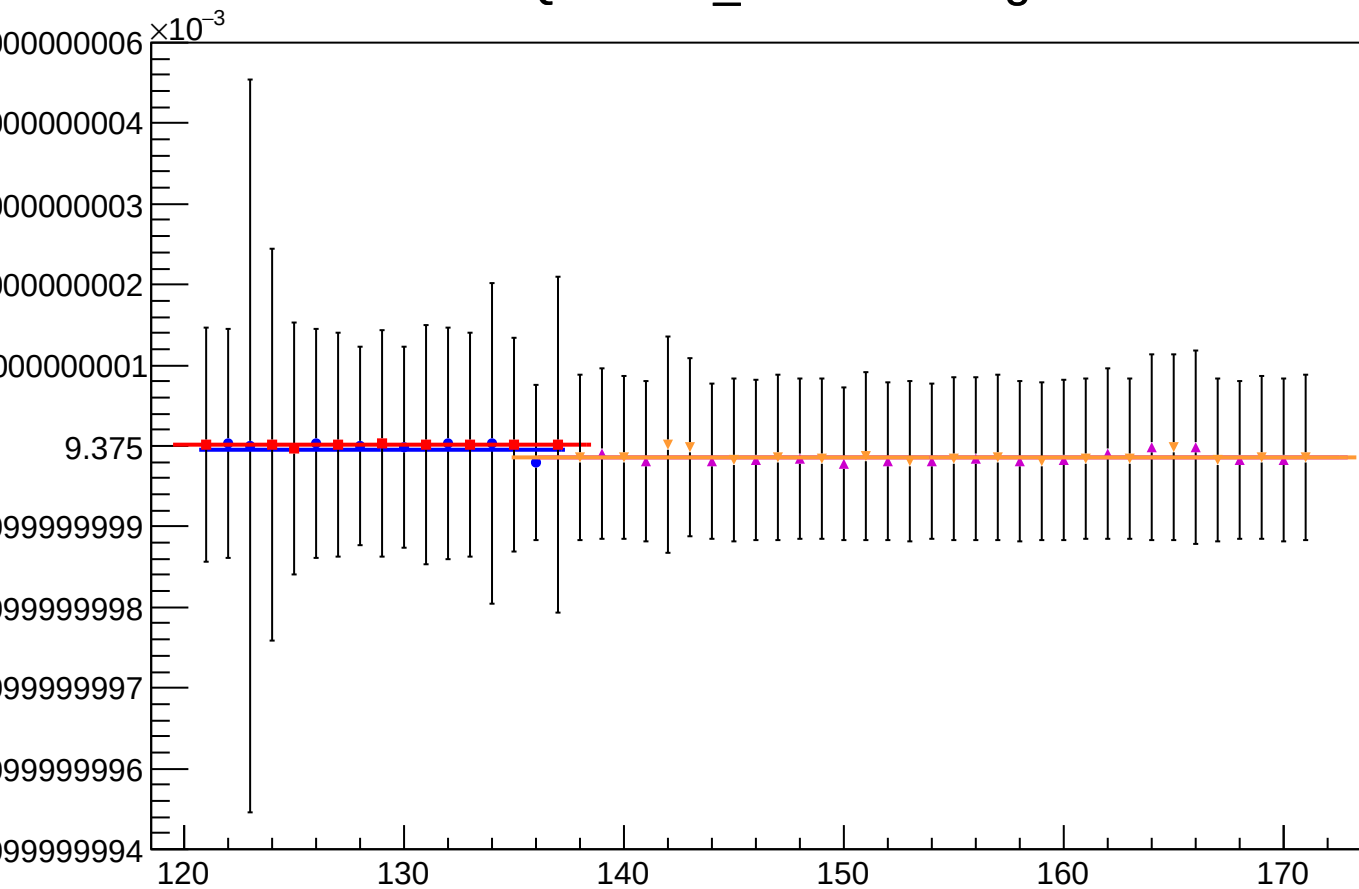
- sign 741.517+/-0.000 χ^2/NDF : 227664144658408

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825 $\pm$ 0.000 χ^2/NDF : 159345321268745350954763681792.0/7
 Left Out: 980.769 $\pm$ 0.000 χ^2/NDF : 633151057383200059878918848512.0/17
 Right Out: 980.818 $\pm$ 0.000 χ^2/NDF : 143689912167528137563261894656.0/8
 Left In: 980.777 $\pm$ 0.000 χ^2/NDF : 1292640556007464453371932442624.0/15

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:0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

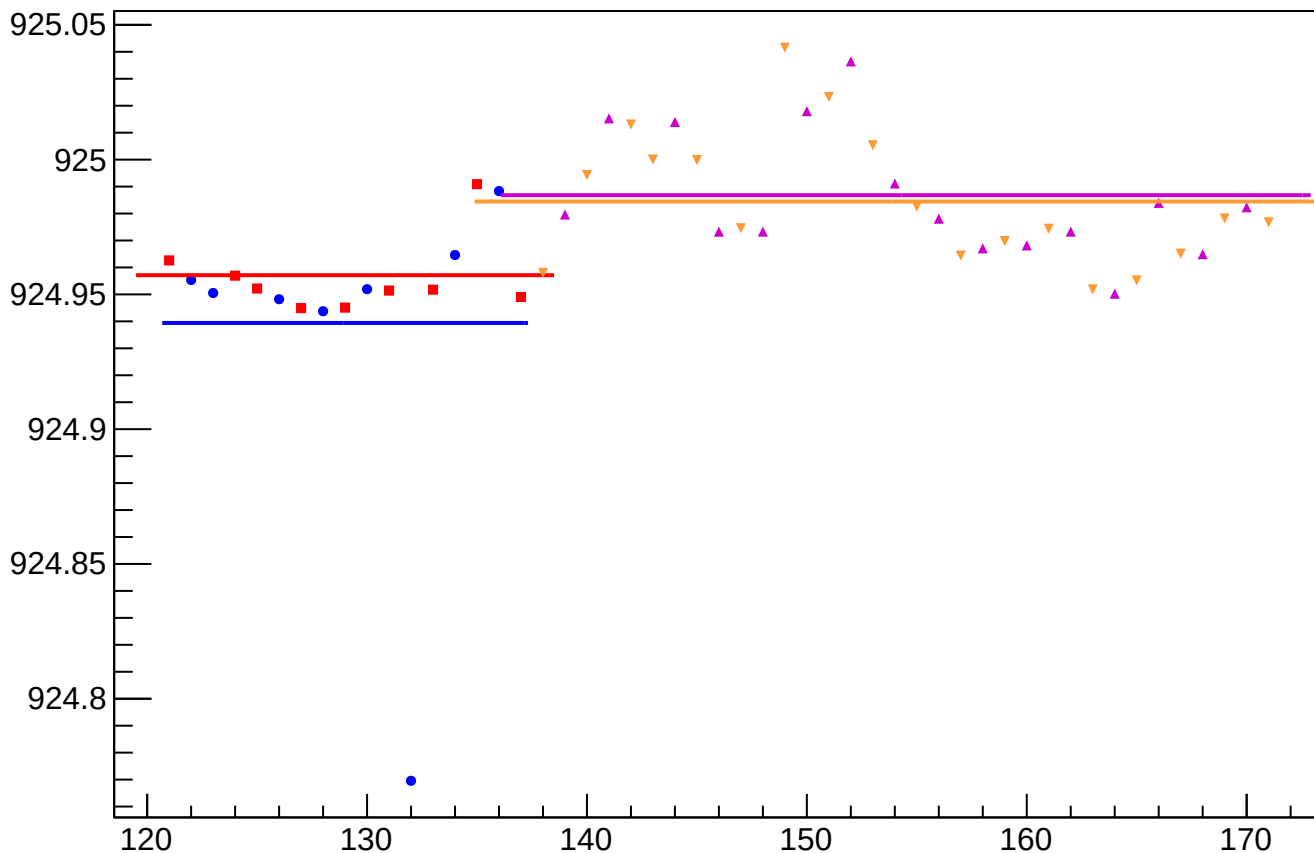
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/15

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/25

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/50

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939+/-0.000

χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.984+/-0.000

χ^2/NDF : 810056527863154047455145754624.0/17

Right Out: 924.957+/-0.000

χ^2/NDF : 71808709366506786060310151168.0/8

Left In: 924.987+/-0.000

χ^2/NDF : 681165829667366349556408123392.0/15

+ sign 924.976+/-0.000

χ^2/NDF : 276927909329322.0/17

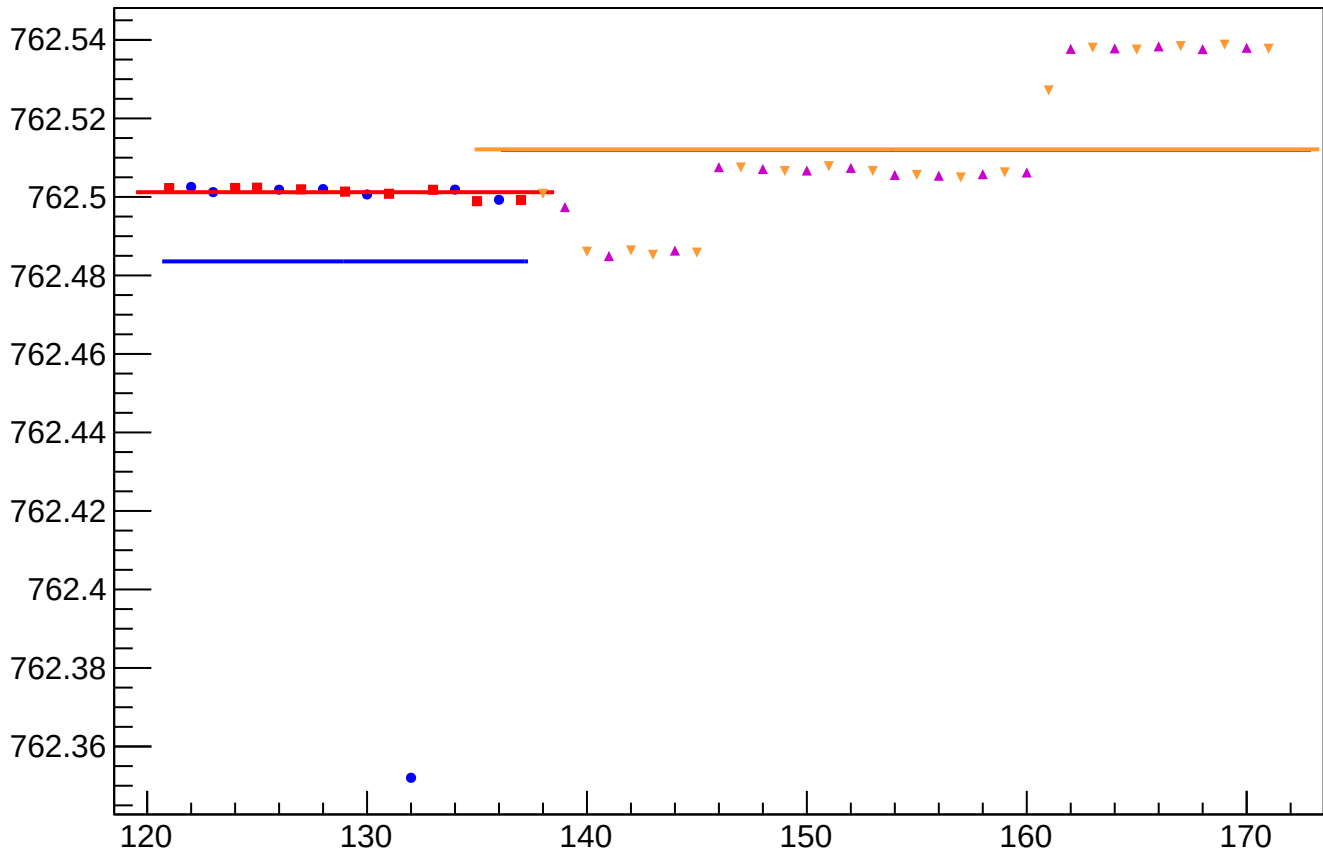
All: 924.978+/-0.000

χ^2/NDF : 377136452659.0/15

- sign 924.981+/-0.000

χ^2/NDF : 978361971685826.0/15

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.484+/-0.000

χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.512+/-0.000

χ^2/NDF : 500873153590950546919126990848.0/17

Right Out: 762.501+/-0.000

χ^2/NDF : 469794702848036819563446272.0/8

Left In: 762.512+/-0.000

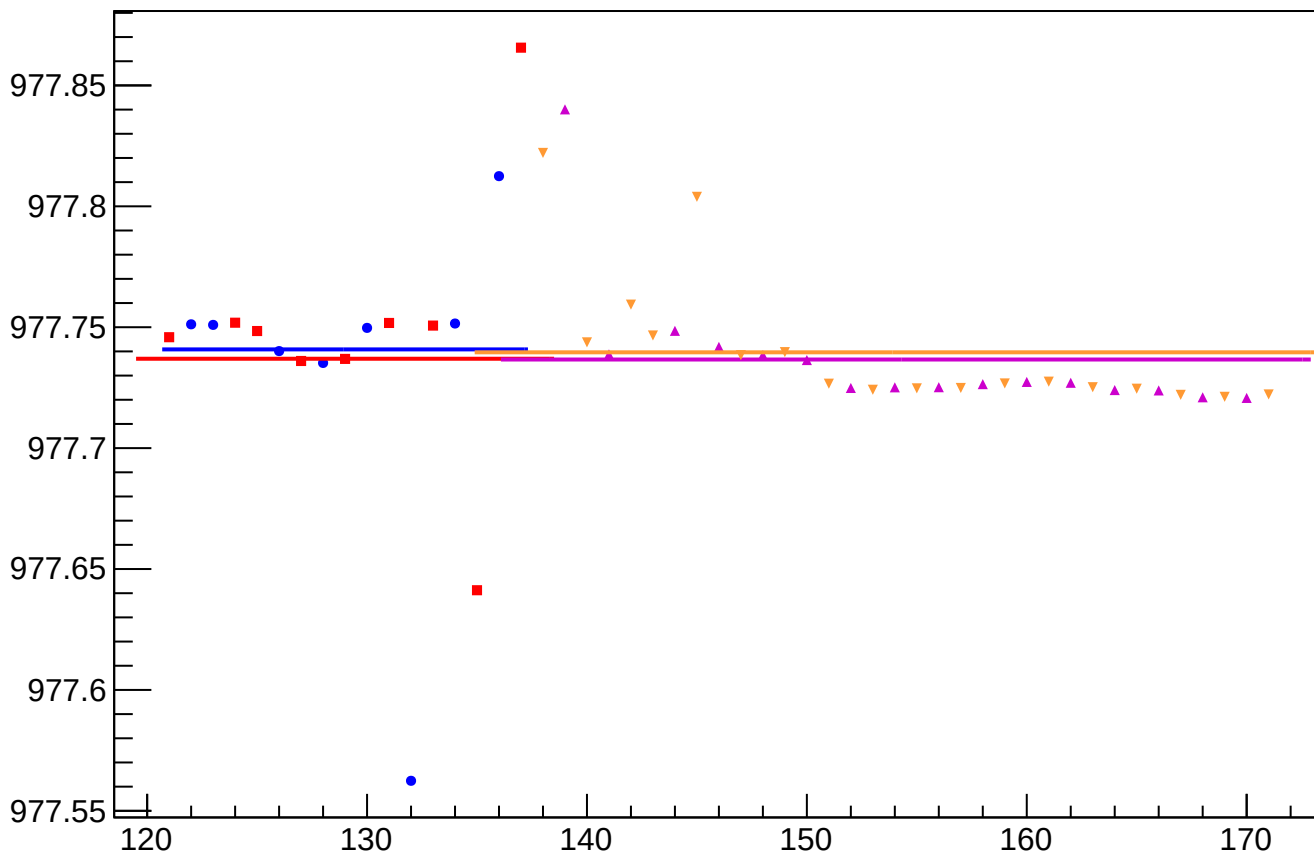
χ^2/NDF : 399668308447036960363276926976.0/15

+ sign 762.507+/-0.000 χ^2/NDF : 150910580930202

All: 762.508+/-0.000 χ^2/NDF : 194794971038

- sign 762.510+/-0.000 χ^2/NDF : 429657507211690

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741 +/- 0.000

χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.740 +/- 0.000

χ^2/NDF : 1091446426683871826807453908992.0/17

Right Out: 977.737 +/- 0.000

χ^2/NDF : 772313054358211830610902646784.0/8

Left In: 977.737 +/- 0.000

χ^2/NDF : 925288985246666367406465613824.0/15

+ sign 977.740 +/- 0.000

χ^2/NDF : 282995110532813

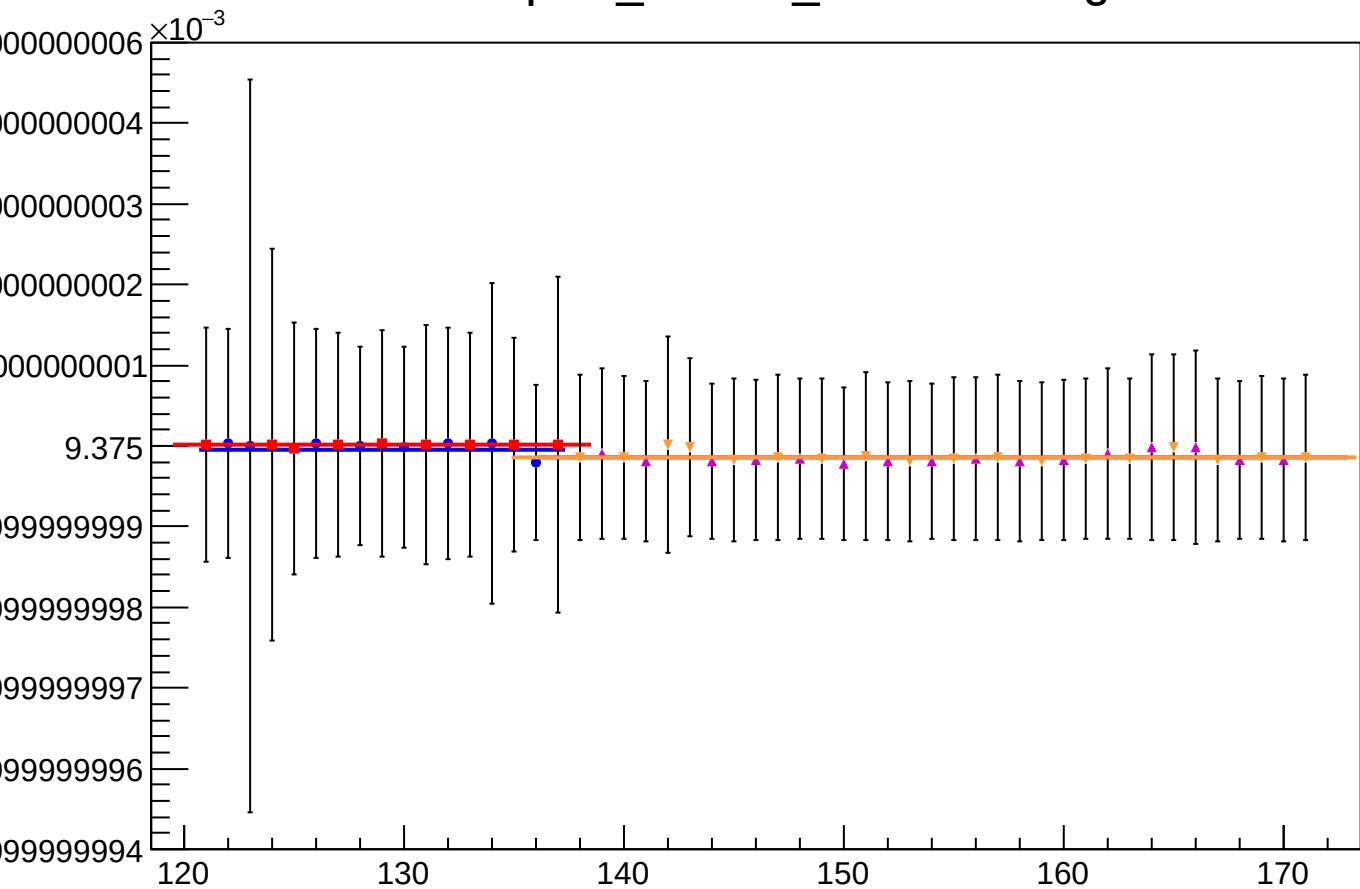
All: 977.738 +/- 0.000

χ^2/NDF : 453588444673

- sign 977.737 +/- 0.000

χ^2/NDF : 169762835740833

hesDipole_current_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:0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

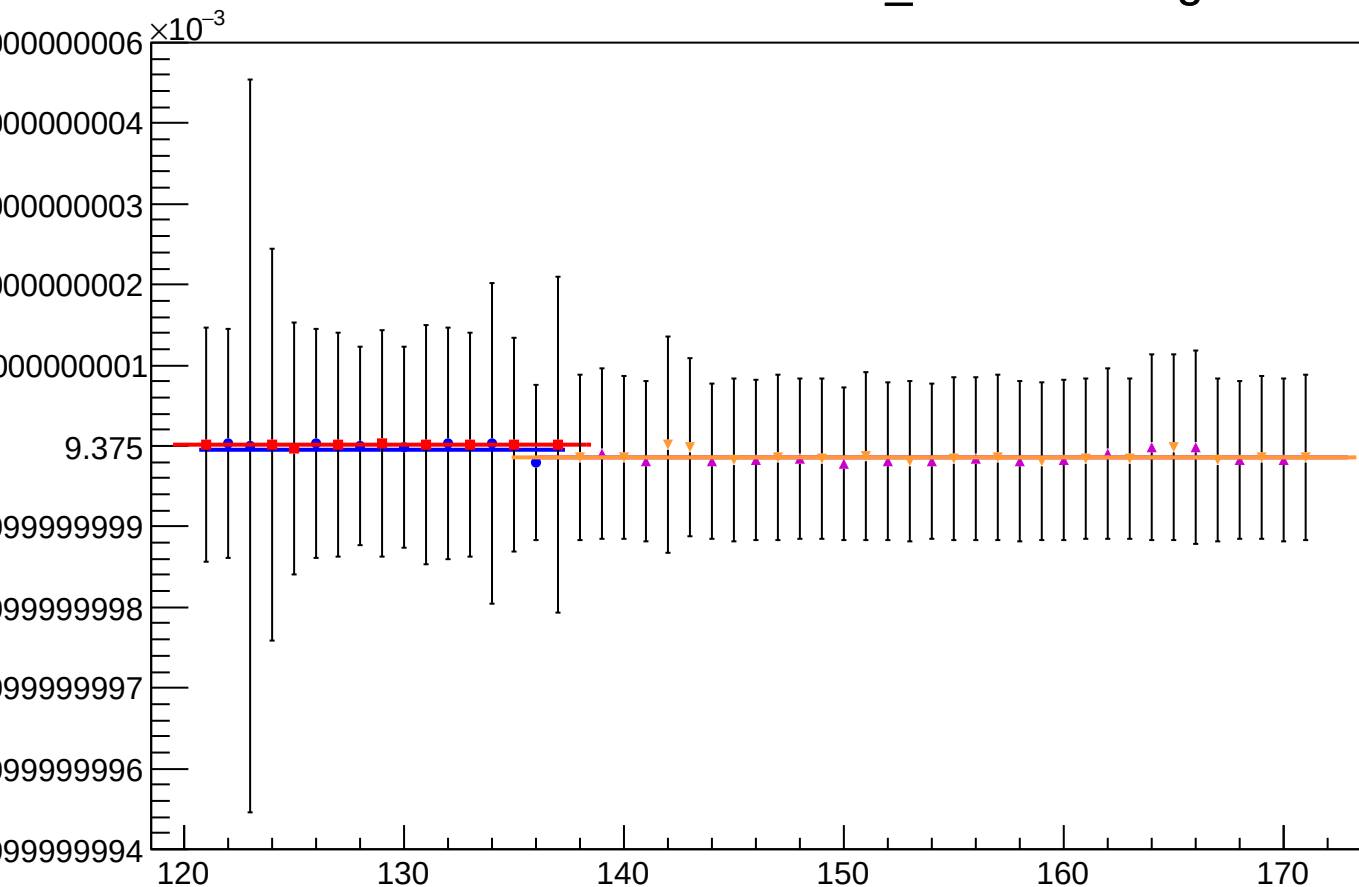
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/15

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/25

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/50

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

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:0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

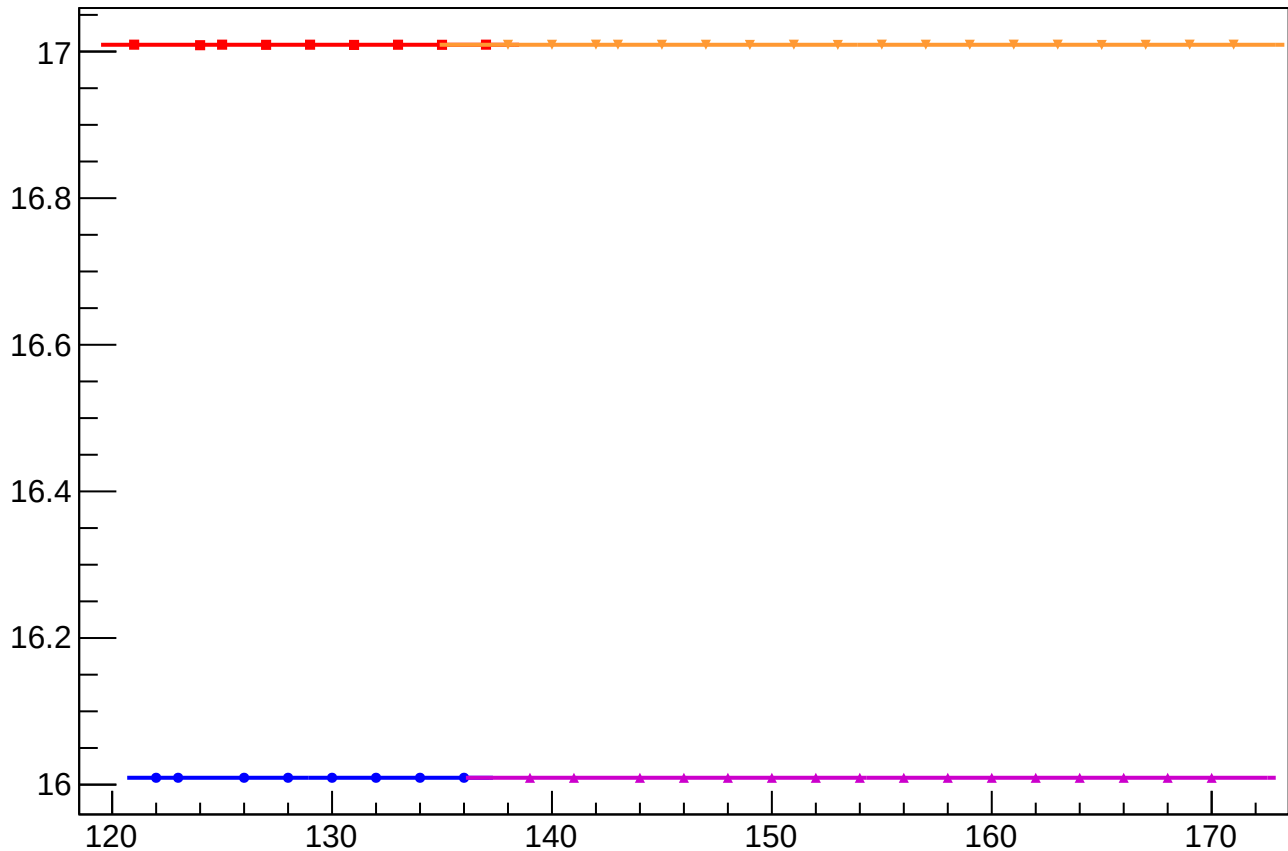
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/15

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/25

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/50

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 20986789774034711395434496.0/17

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 8333578329558812540796928.0/8

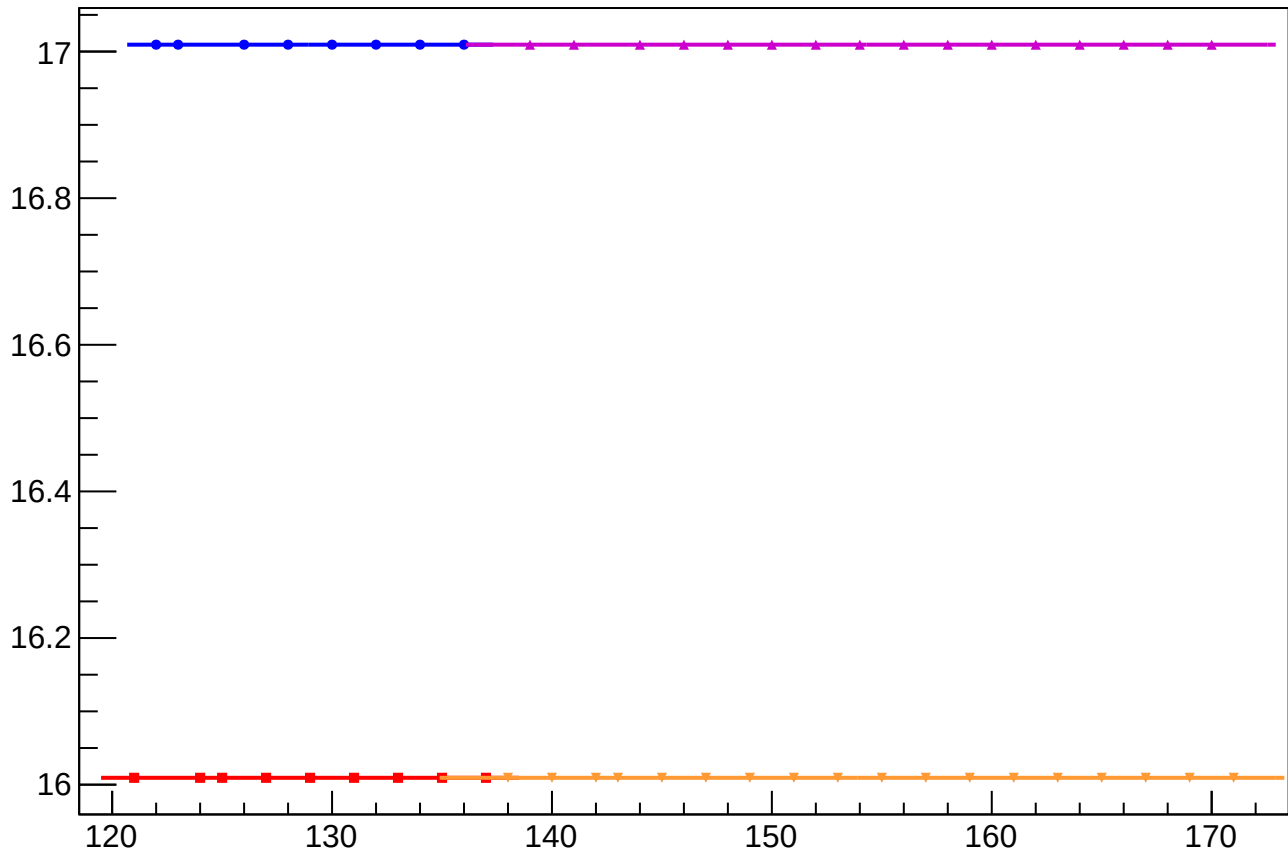
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 125624078065520206675968.0/15

+ sign 16.813 $\pm$ 0.000 χ^2/NDF : 2538734481658793

All: 16.522 $\pm$ 0.000 χ^2/NDF : 7765232691469

- sign 16.211 $\pm$ 0.000 χ^2/NDF : 2411337126561835

IGL1I00OD16_16_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 76109.3/7

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 77914.2/17

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 17859.8/8

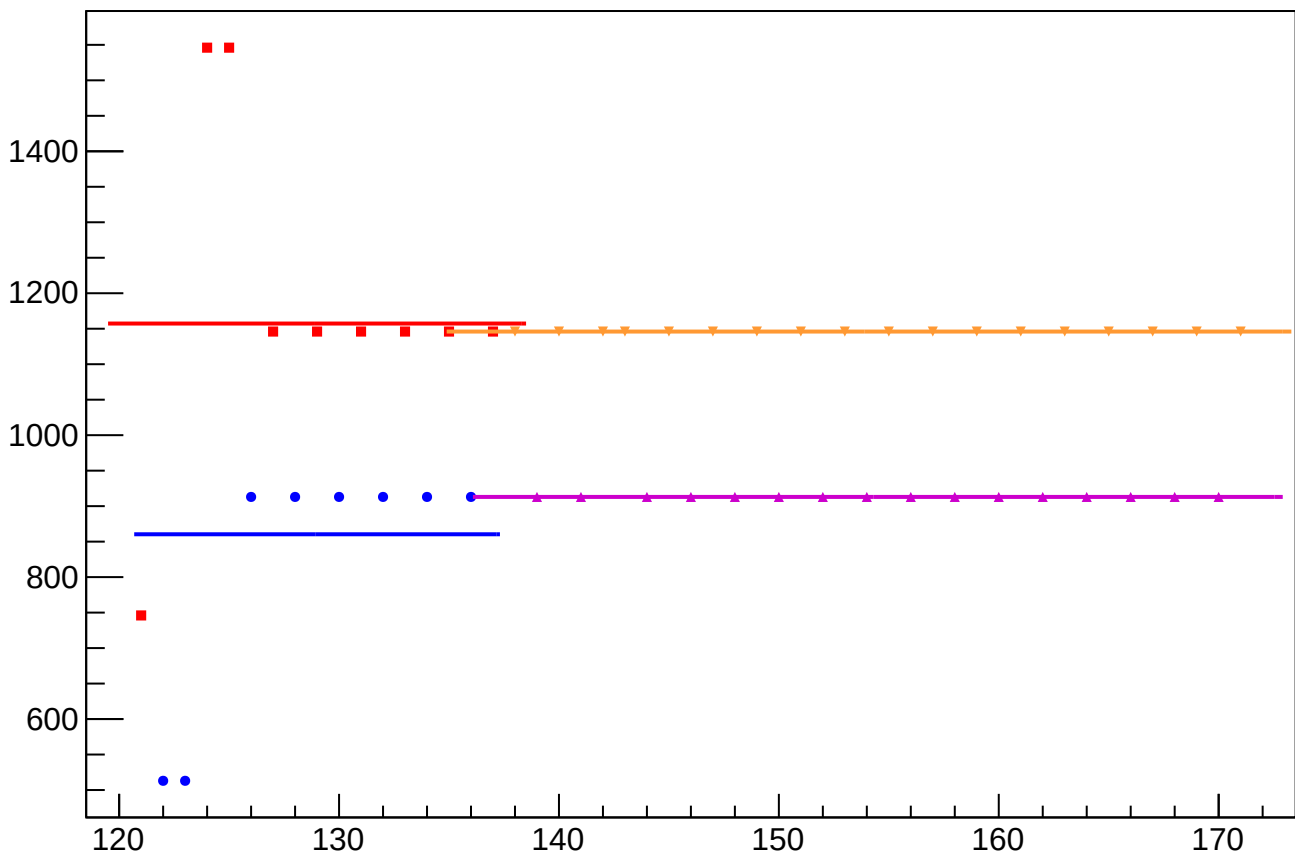
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 112879853041586175737856.0/15

+ sign 16.207 $\pm$ 0.000 χ^2 /NDF: 2743907514450820

All: 16.495 $\pm$ 0.000 χ^2 /NDF: 8293314251928

- sign 16.809 $\pm$ 0.000 χ^2 /NDF: 2549981172527631

RTPAPOSUCNT_mean vs Slug



Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 4441629938116583153639358464.0/17

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

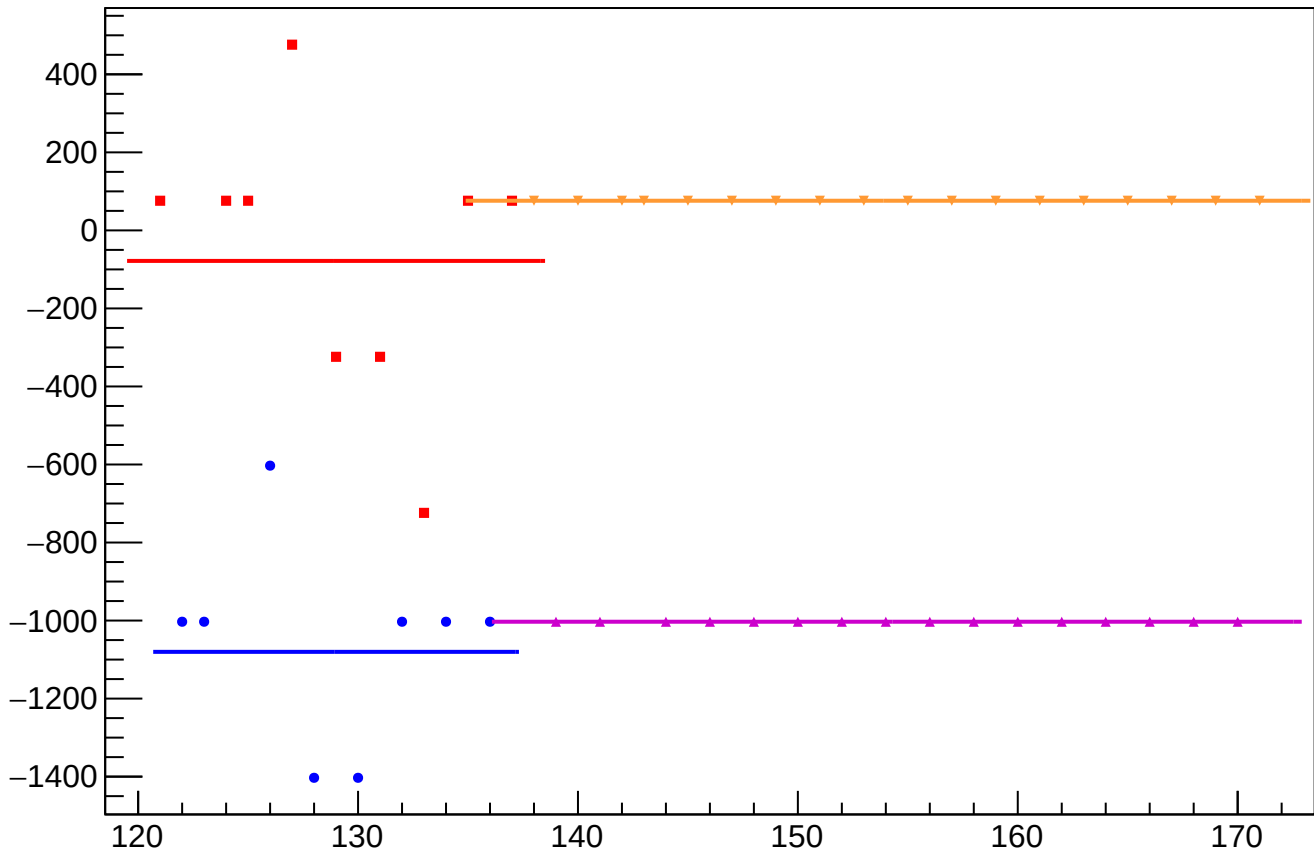
Left In: 912.995+/-0.000 χ^2/NDF : 18160117649840669346108538880.0/15

+ sign 1089.801+/-0.000 χ^2/NDF : 28667316860635

All: 1028.055+/-0.000 χ^2/NDF : 71593375156

- sign 961.399+/-0.000 χ^2/NDF : 291465402487384

RTPAPOSVCNT_mean vs Slug



Right In: -1080.182 ± 0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7
 Left Out: 76.011 ± 0.000 χ^2/NDF : 9907772313390455921026531328.0/17
 Right Out: -78.224 ± 0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8
 Left In: -1002.990 ± 0.000 χ^2/NDF : 1972254072153440325860327424.0/15