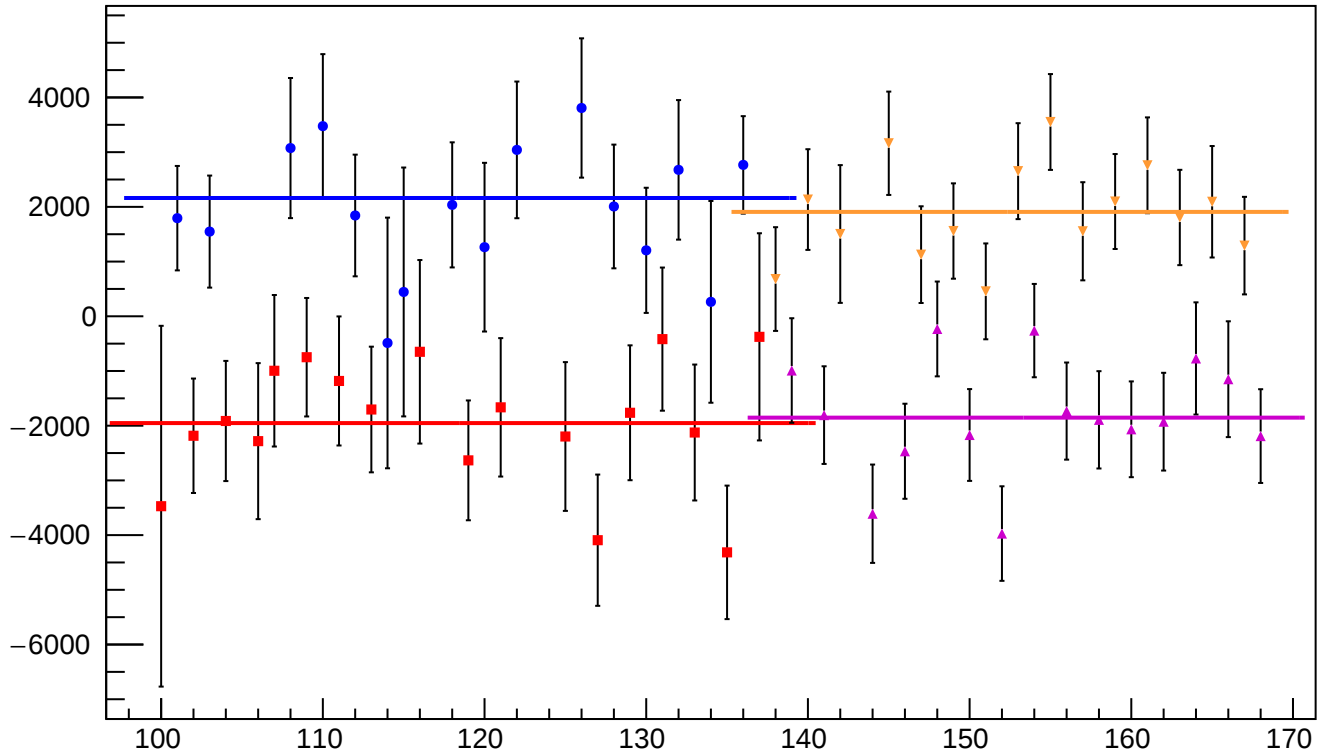


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1908.064+/-235.950

χ^2/NDF : 13.2/14

Right Out: -1952.148+/-300.581

χ^2/NDF : 12.6/17

Left In: -1852.790+/-231.405

χ^2/NDF : 20.1/14

+ sign 2002.357+/-187.150

χ^2/NDF : 22.6/30

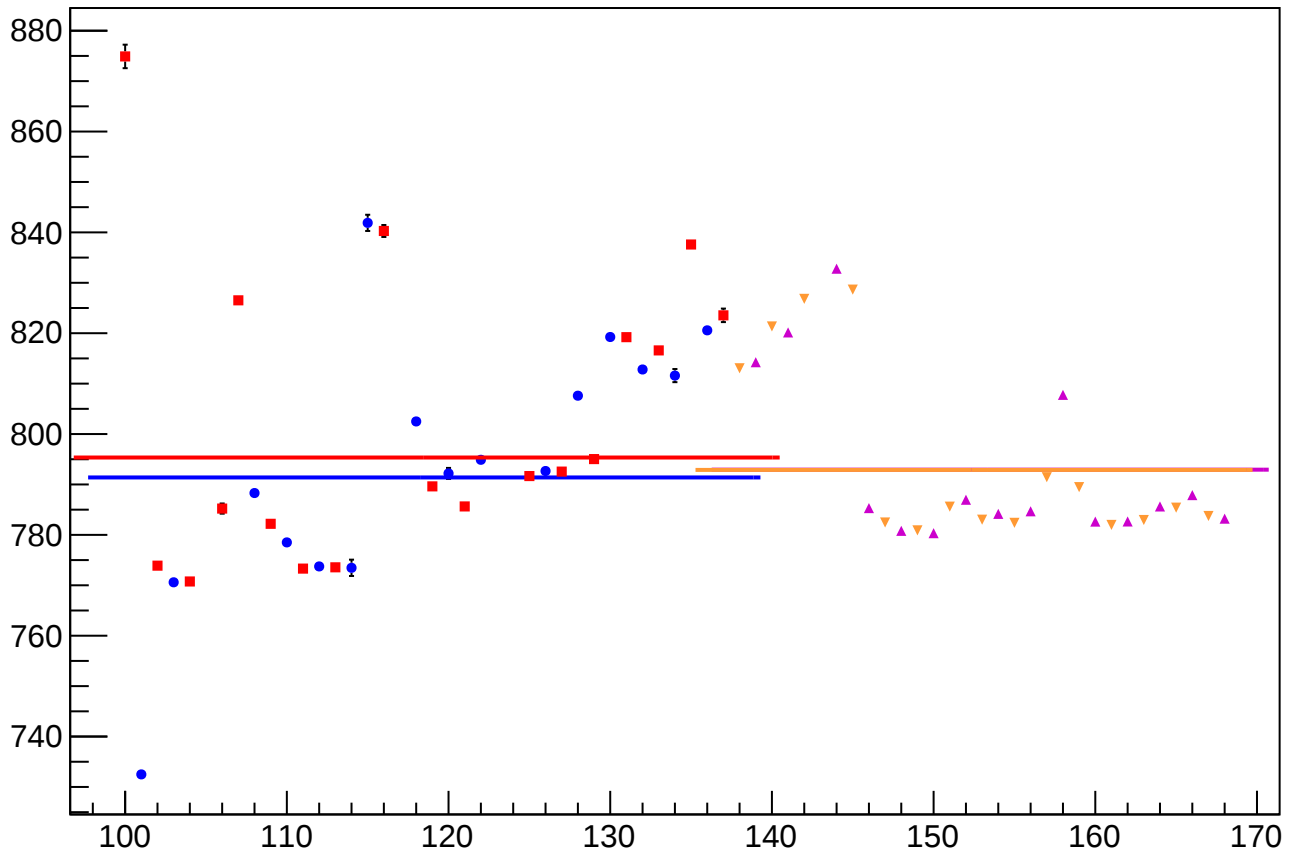
All: 16.504+/-130.975

χ^2/NDF : 276.0/63

- sign -1889.764+/-183.362

χ^2/NDF : 32.8/32

reg_asym_us_avg_rms vs Slug



Right In: 791.390 $\pm$ 0.217 χ^2 /NDF: 15008.3/15

Left Out: 792.886 $\pm$ 0.167 χ^2 /NDF: 9396.7/14

Right Out: 795.345 $\pm$ 0.213 χ^2 /NDF: 11559.8/17

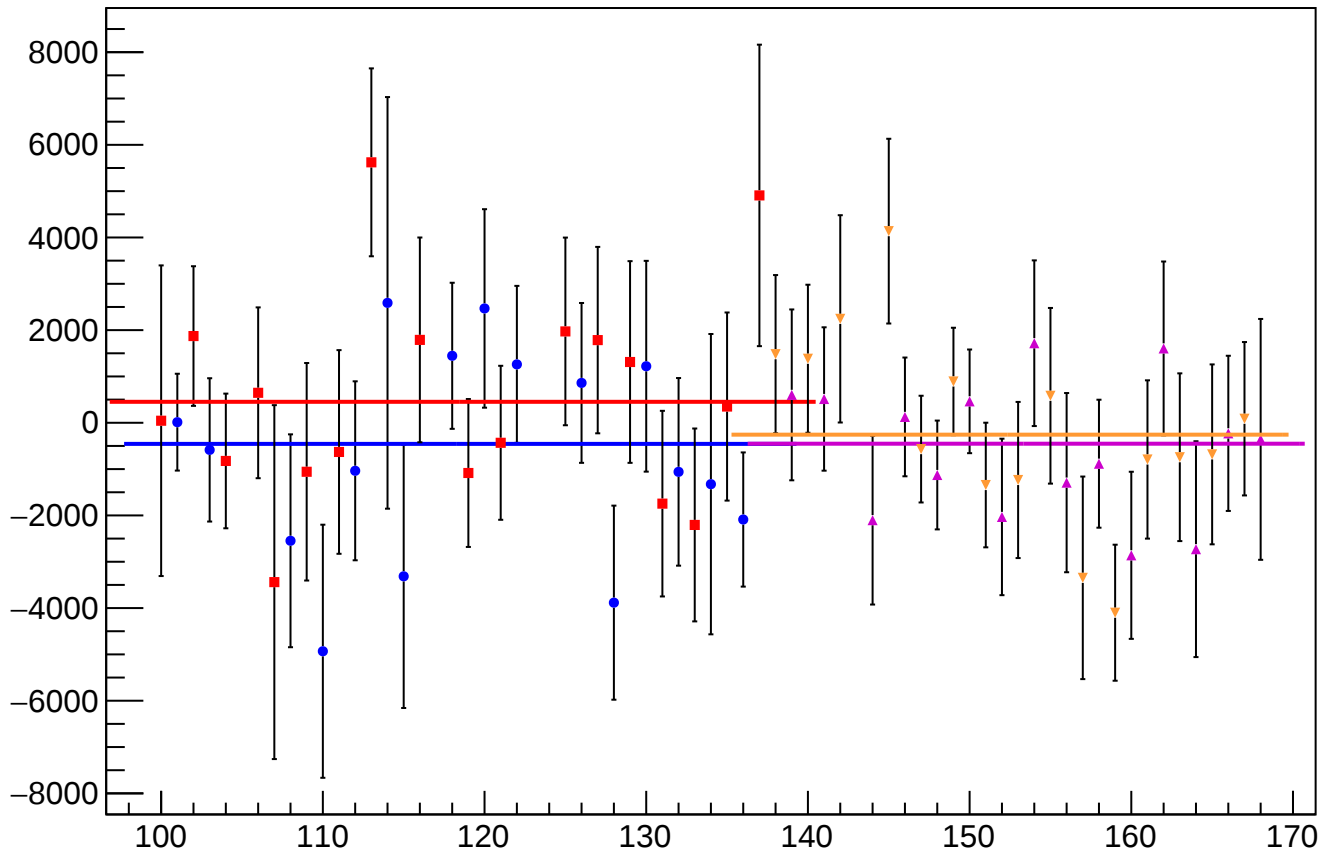
Left In: 792.934 $\pm$ 0.164 χ^2 /NDF: 9767.3/14

+ sign 792.332 $\pm$ 0.132 χ^2 /NDF: 24434.8/30

All: 793.097 $\pm$ 0.093 χ^2 /NDF: 45908.2/63

- sign 793.831 $\pm$ 0.130 χ^2 /NDF: 21407.9/32

asym_us_avg_correction_mean vs Slug



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

Left Out: -256.514 ± 414.626 χ^2/NDF : 19.5/14

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

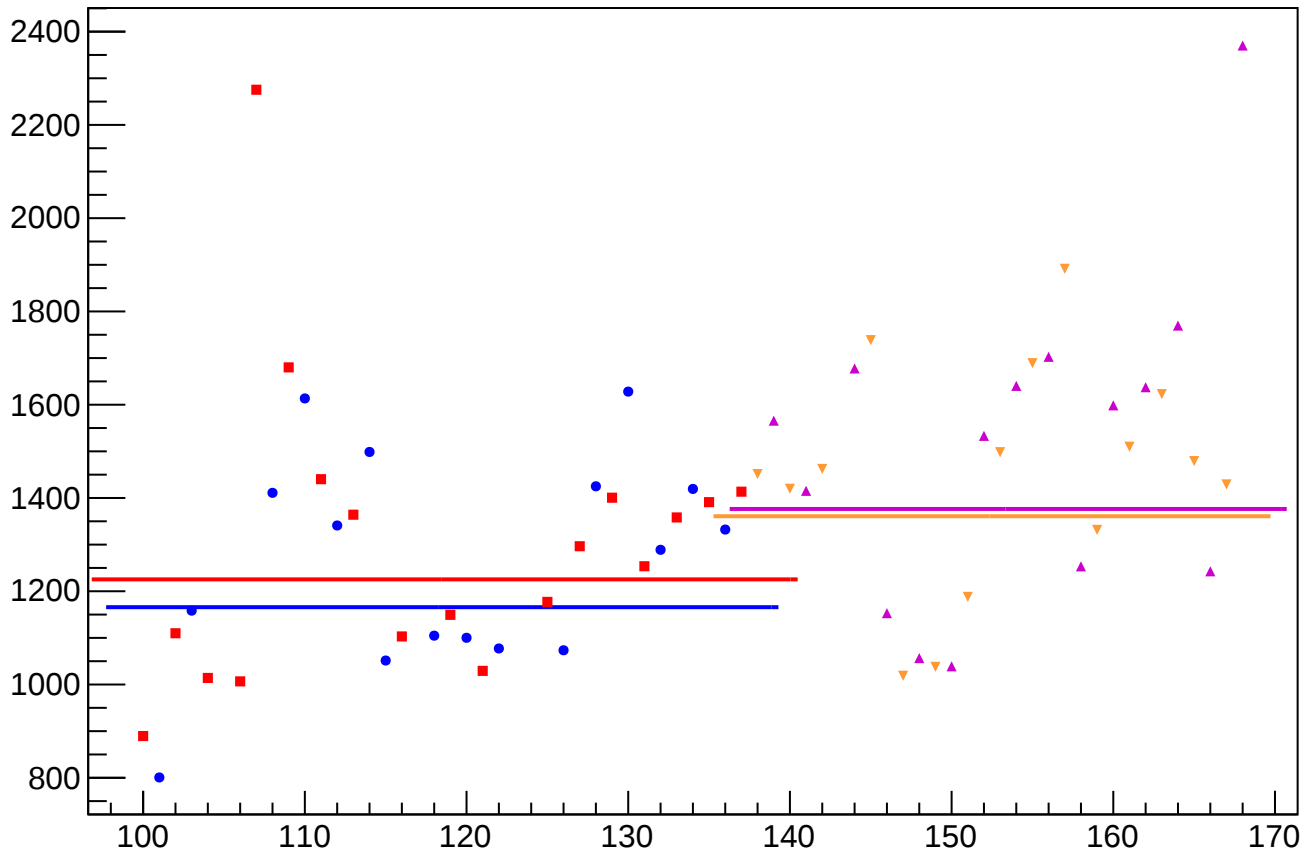
Left In: -451.866 ± 412.397 χ^2/NDF : 9.3/14

+ sign -344.889 ± 309.241 χ^2/NDF : 34.5/30

All: -203.650 ± 219.206 χ^2/NDF : 63.7/63

- sign -61.008 ± 310.773 χ^2/NDF : 28.7/32

asym_us_avg_correction_rms vs Slug



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

Left Out: 1360.859 $\pm$ 0.293 χ^2 /NDF: 708395.1/14

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

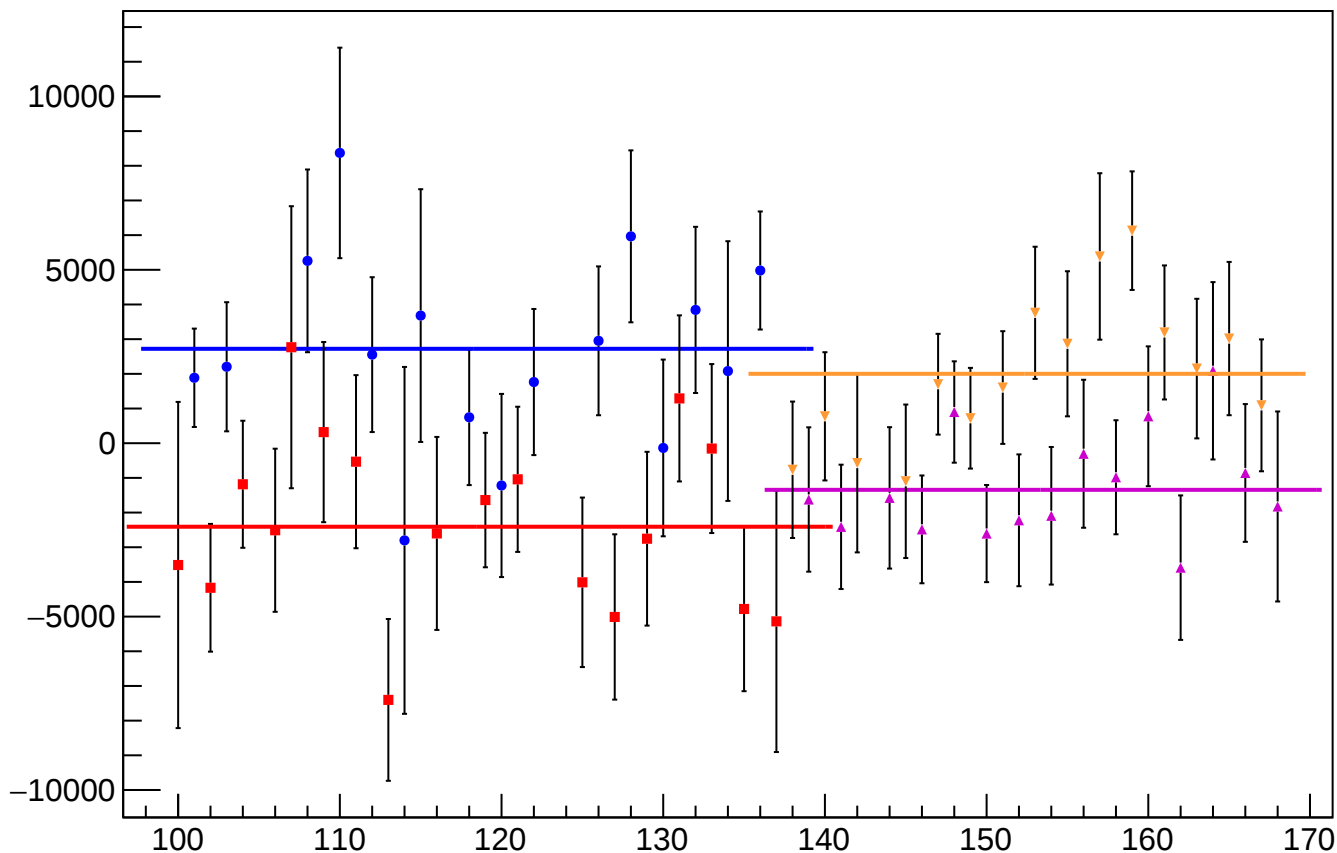
Left In: 1376.434 $\pm$ 0.292 χ^2 /NDF: 1032465.6/14

+ sign 1274.310 $\pm$ 0.219 χ^2 /NDF: 1431587.1/30

All: 1292.659 $\pm$ 0.155 χ^2 /NDF: 3034469.8/63

- sign 1311.190 $\pm$ 0.220 χ^2 /NDF: 1588730.2/32

asym_us_avg_mean vs Slug



Right In: 2722.309+/-567.154 χ^2/NDF : 14.6/15

Left Out: 2001.369+/-485.180 χ^2/NDF :15.9/14

Right Out: -2408.446+/-568.977 χ^2/NDF : 16.3/17

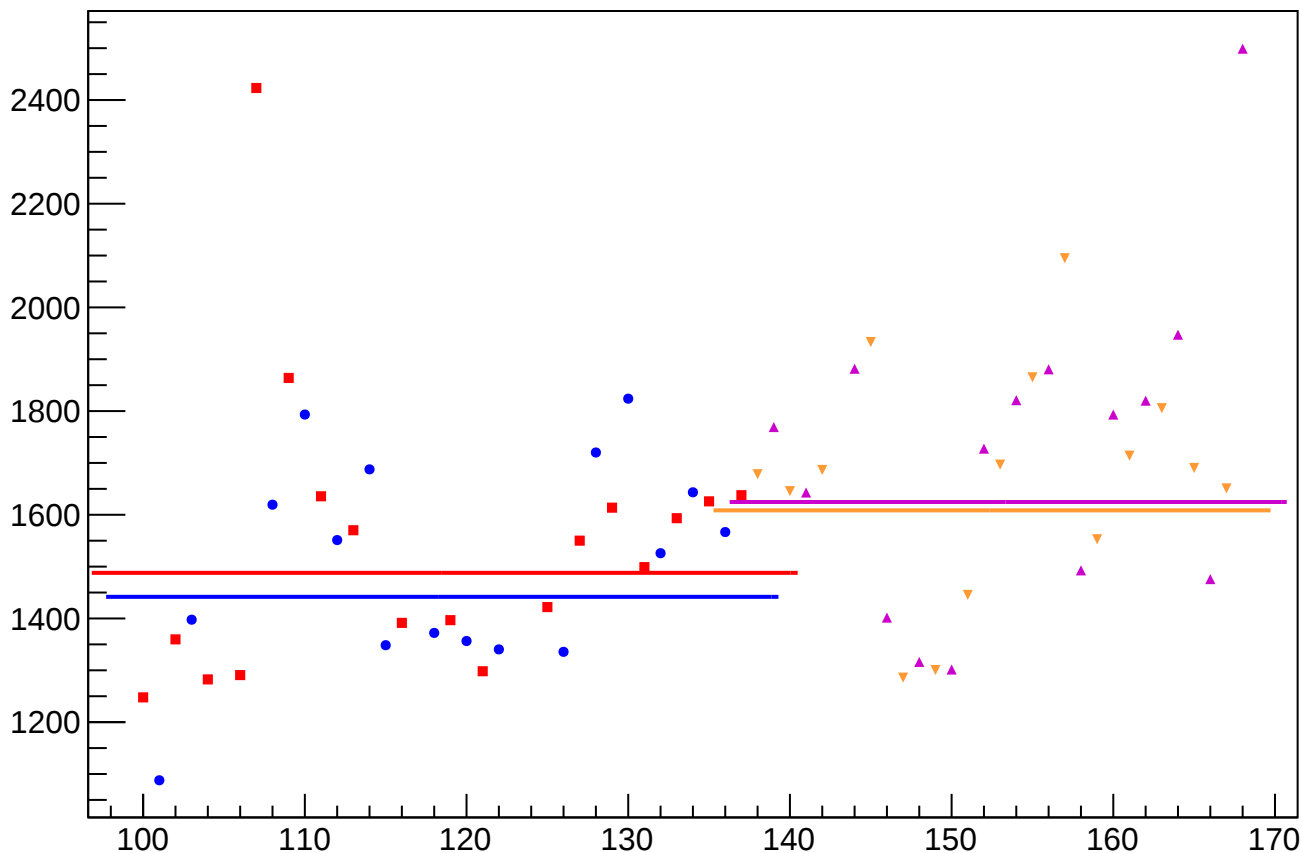
Left In: -1344.242+/-481.642 χ^2/NDF :8.9/14

+ sign 2306.019+/-368.681 χ^2/NDF : 31.4/30

All: 252.836+/-260.319 χ^2/NDF : 120.5/63

- sign -1788.487+/-367.615 χ^2/NDF : 27.2/32

asym_us_avg_rms vs Slug



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

Left Out: 1608.514+/-0.343 χ^2/NDF : 404393.6/14

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

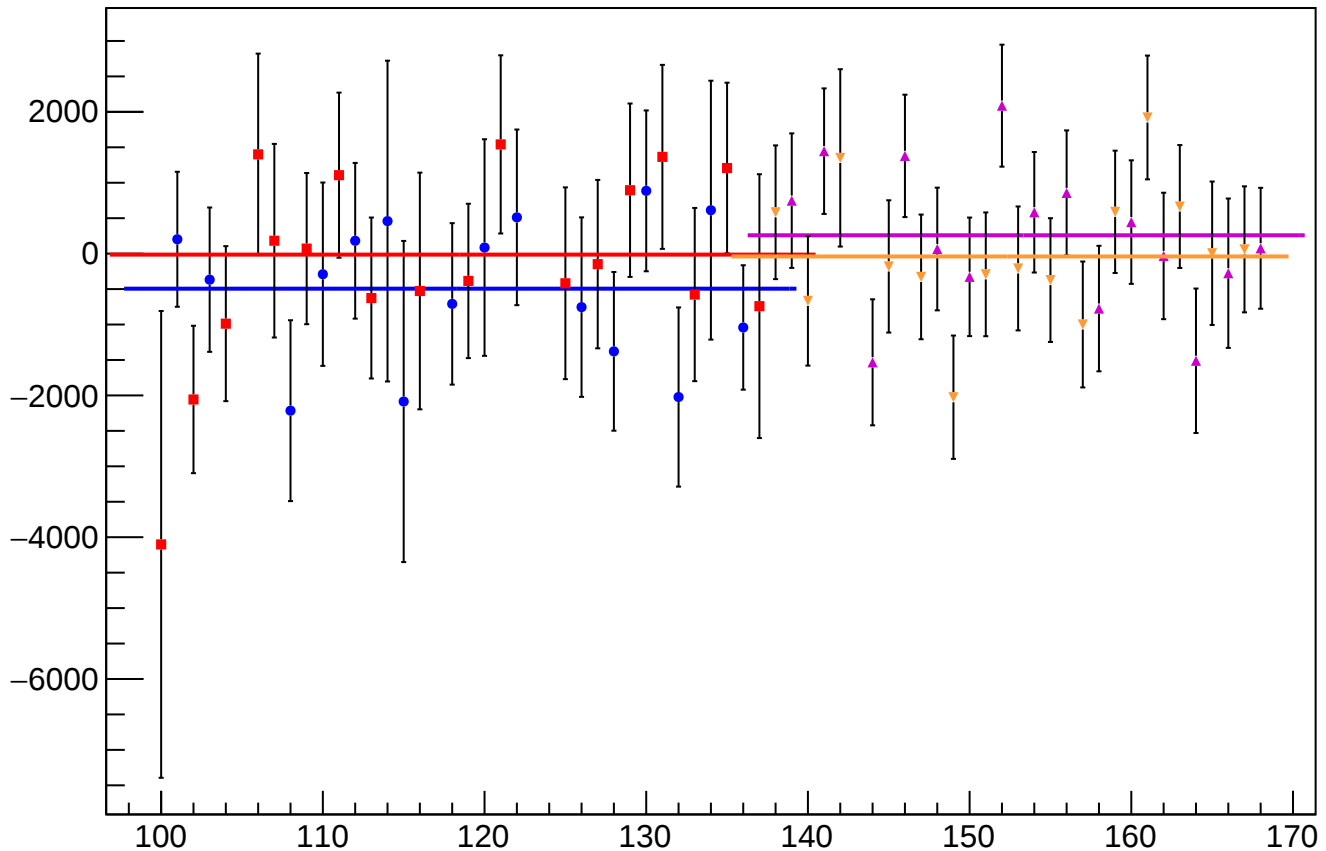
Left In: 1624.649+/-0.341 χ^2/NDF : 623769.2/14

+ sign 1538.031+/-0.261 χ^2/NDF : 780177.7/30

All: 1552.867+/-0.184 χ^2/NDF : 1733724.2/63

- sign 1567.617+/-0.260 χ^2/NDF : 947088.4/32

reg_asym_us_dd_mean vs Slug



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

Left Out: -39.717+/-234.678 χ^2/NDF : 15.2/14

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

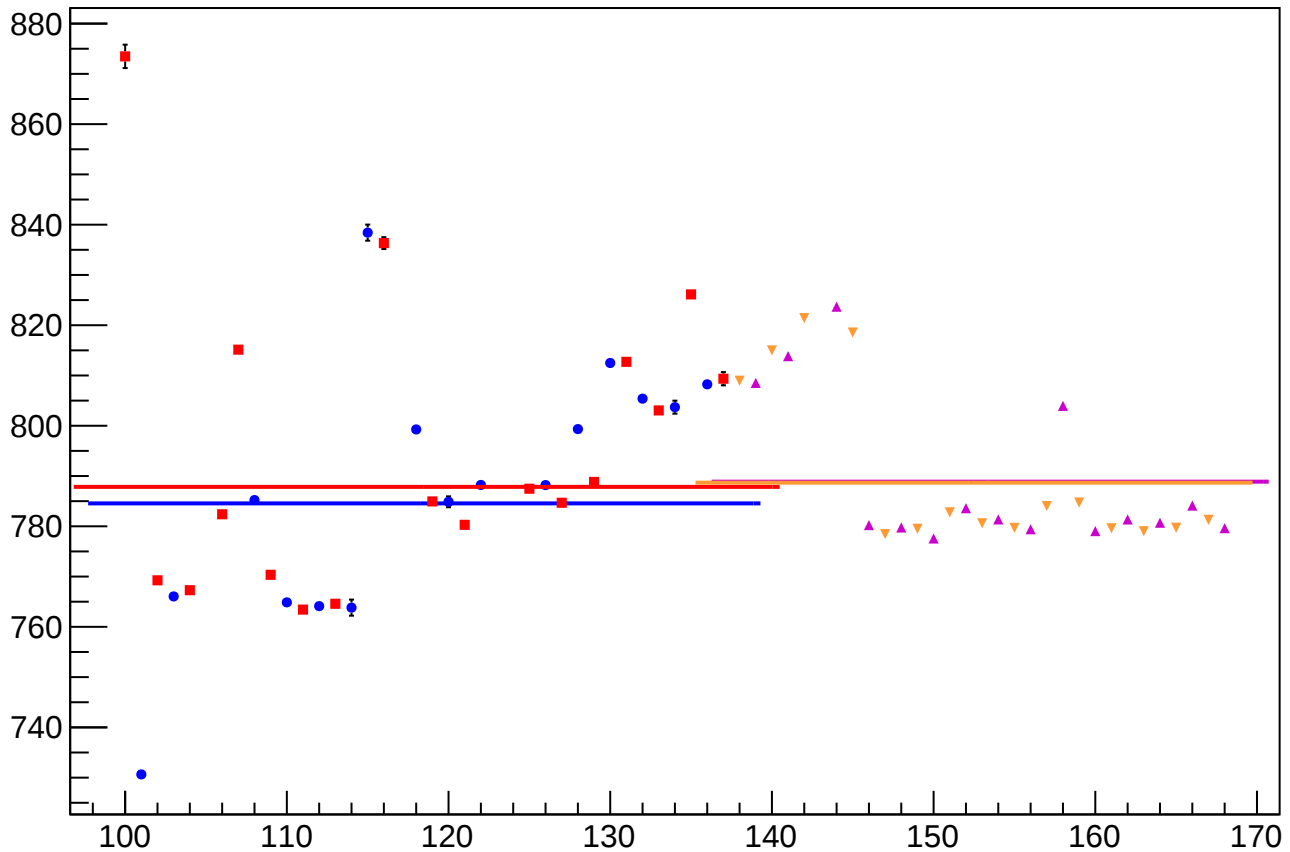
Left In: 259.076+/-230.211 χ^2/NDF : 18.3/14

+ sign -208.983+/-185.912 χ^2/NDF : 25.2/30

All: -22.177+/-130.098 χ^2/NDF : 59.4/63

- sign 157.086+/-182.120 χ^2/NDF : 32.2/32

reg_asym_us_dd_rms vs Slug



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

Left Out: 788.682 ± 0.166 χ^2/NDF : 7827.1/14

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

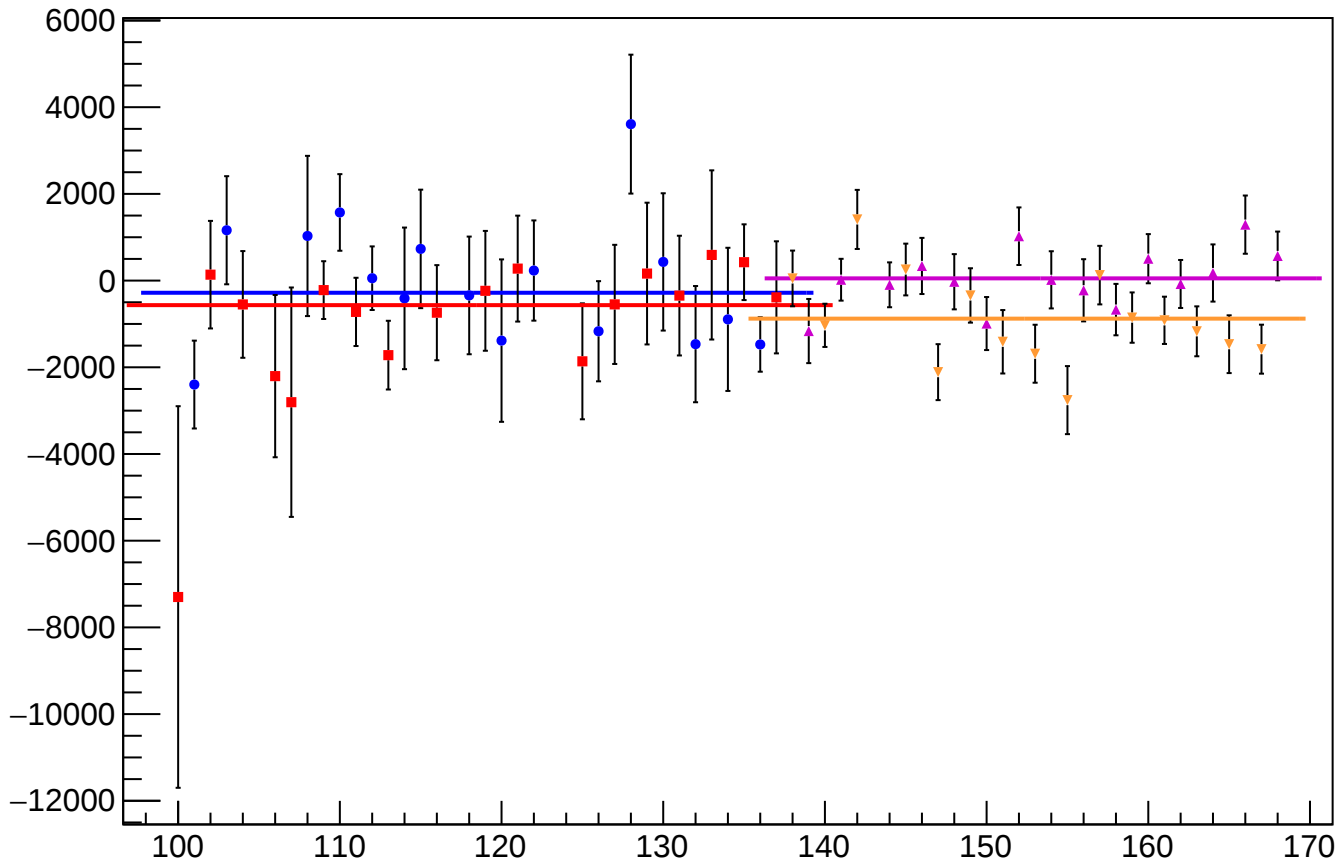
Left In: 788.880 ± 0.163 χ^2/NDF : 8145.4/14

+ sign 787.146 ± 0.131 χ^2/NDF : 21734.8/30

All: 787.833 ± 0.092 χ^2/NDF : 40857.9/63

- sign 788.493 ± 0.129 χ^2/NDF : 19069.6/32

asym_us_dd_correction_mean vs Slug



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

Left Out: -877.739 ± 160.116 χ^2/NDF : 34.0/14

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

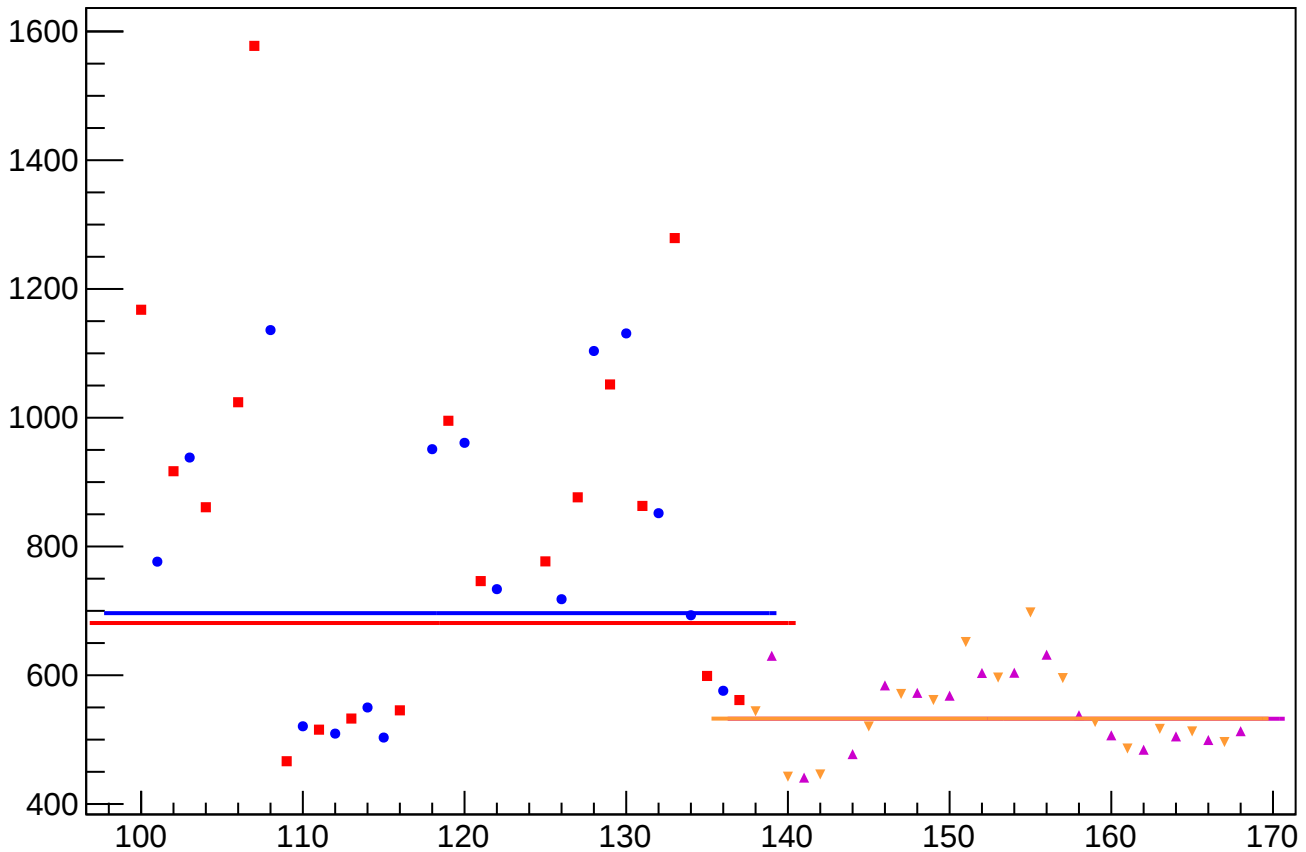
Left In: 51.262 ± 156.586 χ^2/NDF : 14.6/14

+ sign -732.561 ± 139.297 χ^2/NDF : 60.5/30

All: -409.142 ± 97.243 χ^2/NDF : 99.5/63

- sign -101.693 ± 135.815 χ^2/NDF : 28.4/32

asym_us_dd_correction_rms vs Slug



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

Left Out: 532.640 ± 0.113 χ^2/NDF : 313642.4/14

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

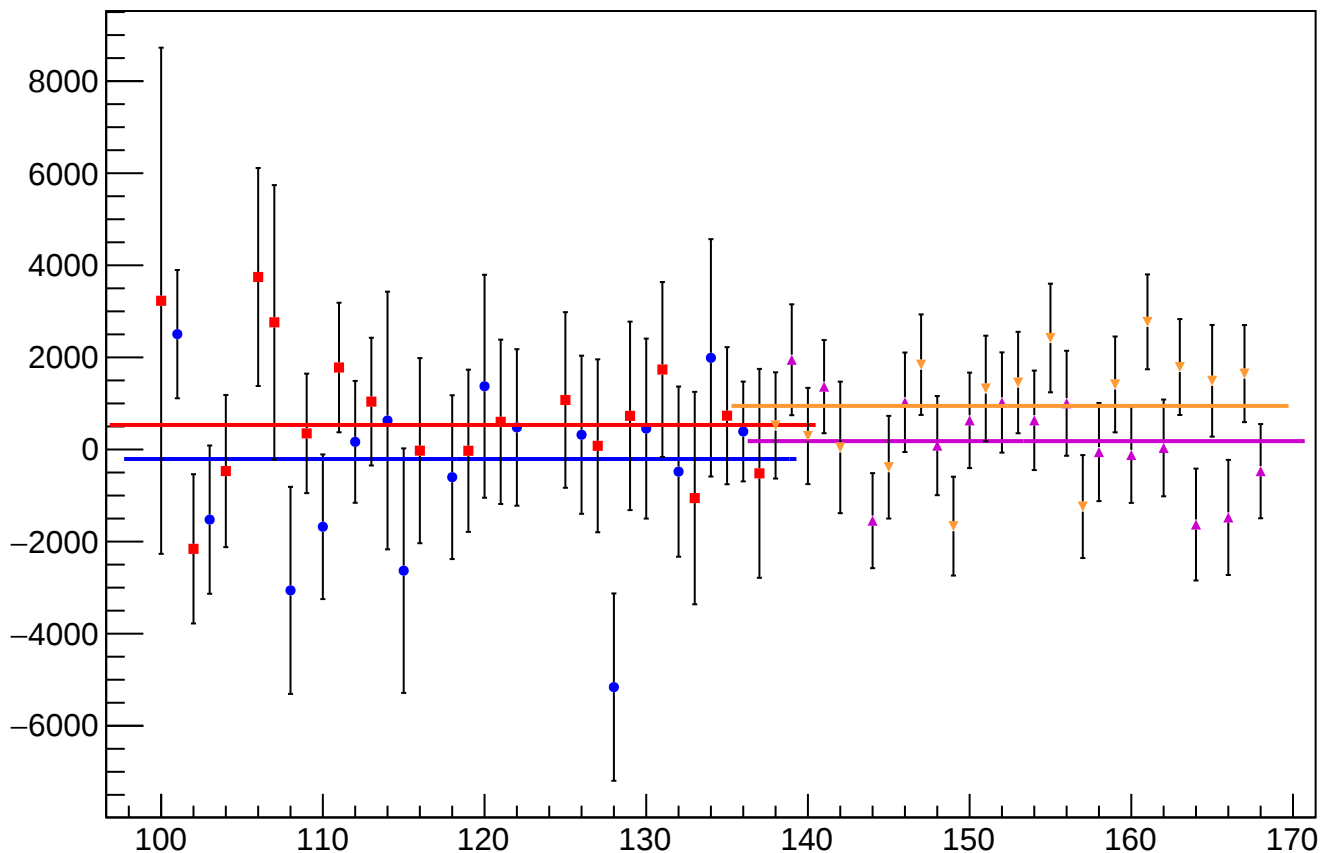
Left In: 532.429 ± 0.111 χ^2/NDF : 271898.4/14

+ sign 572.471 ± 0.098 χ^2/NDF : 1782170.4/30

All: 570.826 ± 0.069 χ^2/NDF : 3853926.2/63

- sign 569.262 ± 0.096 χ^2/NDF : 2071211.8/32

asym_us_dd_mean vs Slug



Right In: -206.385 ± 433.774 $\chi^2/\text{NDF}: 15.8/15$

Left Out: 946.539 ± 287.016 $\chi^2/\text{NDF}: 19.3/14$

Right Out: 532.837 ± 427.128 $\chi^2/\text{NDF}: 8.1/17$

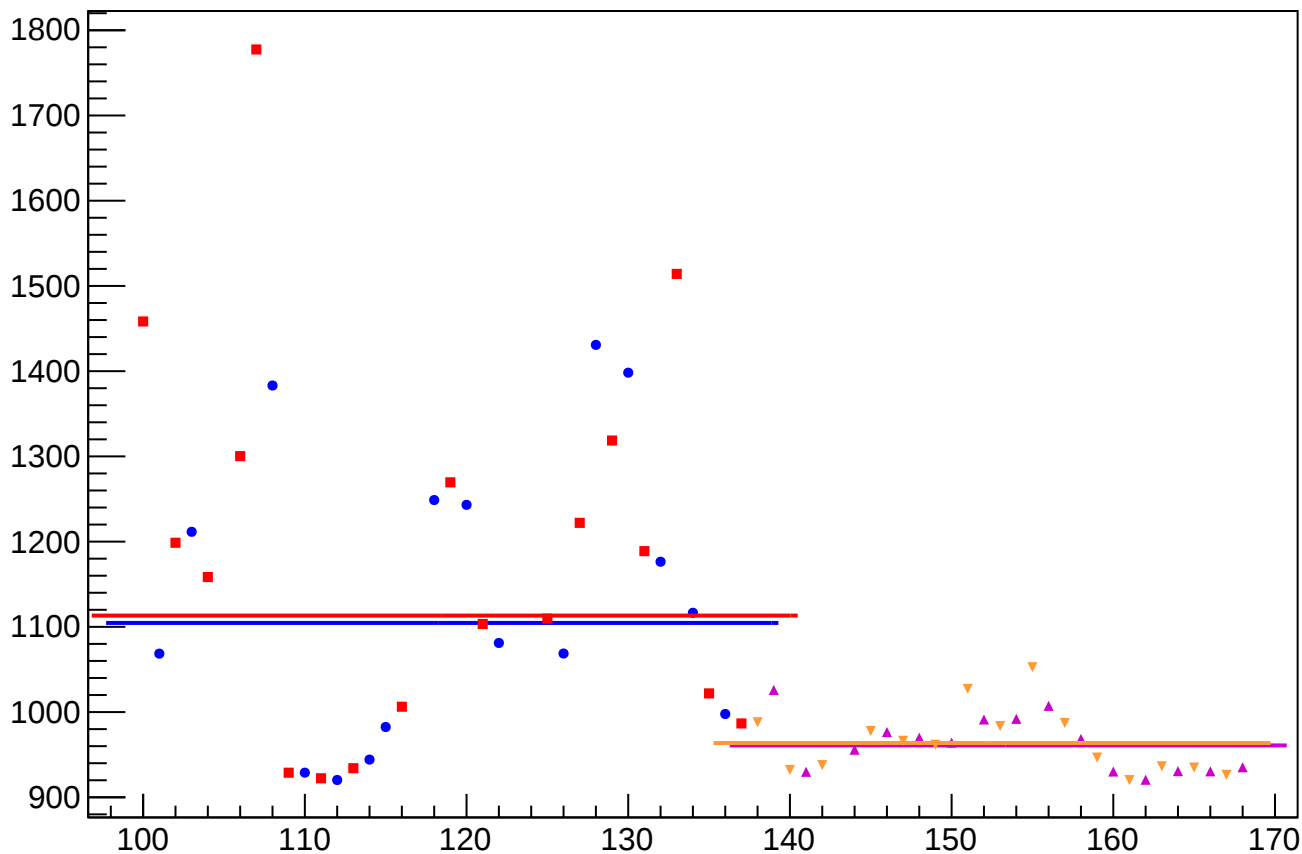
Left In: 182.180 ± 280.559 $\chi^2/\text{NDF}: 13.0/14$

+ sign 595.477 ± 239.362 $\chi^2/\text{NDF}: 40.0/30$

All: 438.516 ± 167.508 $\chi^2/\text{NDF}: 62.4/63$

- sign 287.871 ± 234.496 $\chi^2/\text{NDF}: 21.6/32$

asym_us_dd_rms vs Slug



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

Left Out: 963.727 $\pm$ 0.203 χ^2 /NDF: 31865.0/14

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

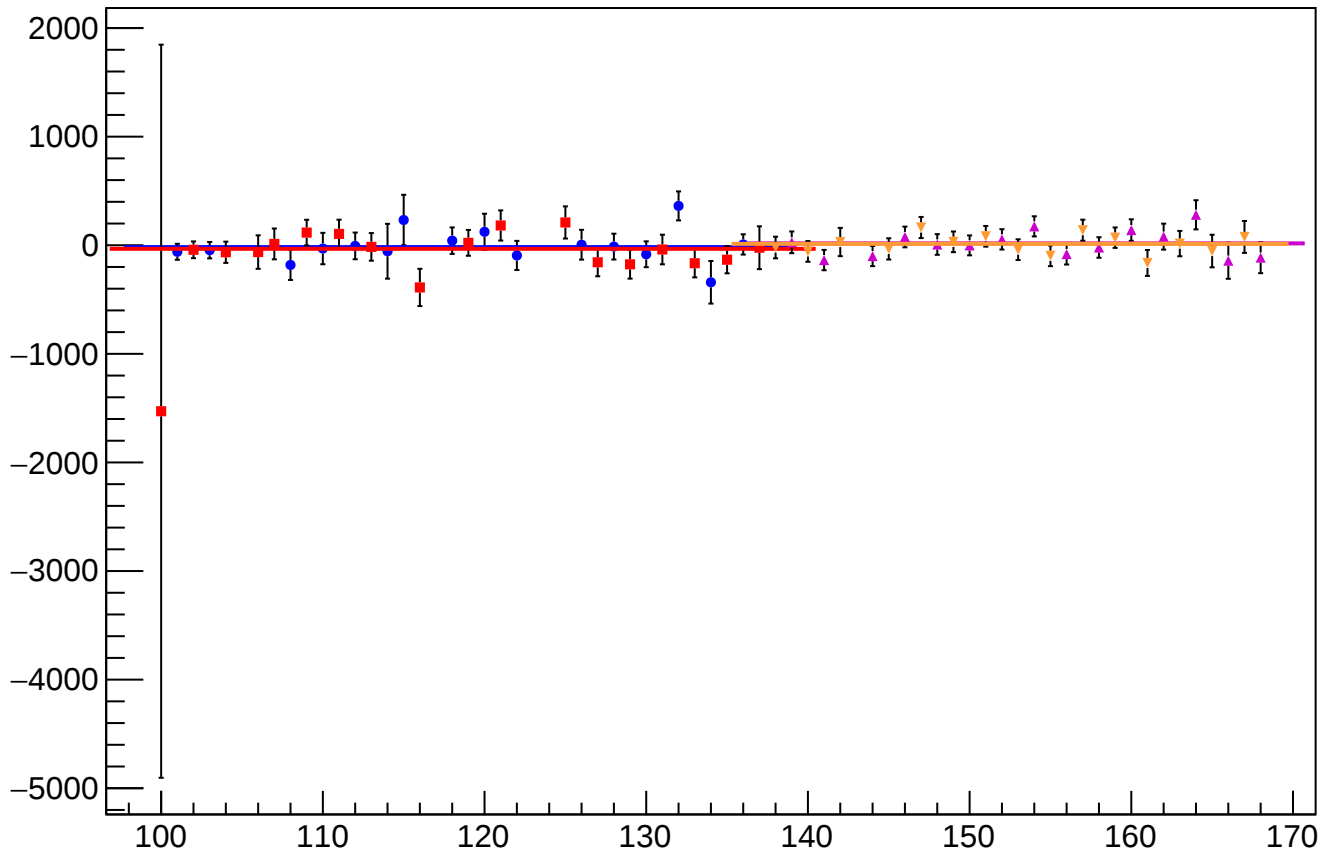
Left In: 960.883 $\pm$ 0.198 χ^2 /NDF: 23340.7/14

+ sign 1006.621 $\pm$ 0.169 χ^2 /NDF: 434054.5/30

All: 1006.711 $\pm$ 0.118 χ^2 /NDF: 998092.1/63

- sign 1006.797 $\pm$ 0.166 χ^2 /NDF: 564037.1/32

reg_asym_ds_avg_mean vs Slug



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

Left Out: 13.193 ± 26.978 χ^2/NDF : 10.1/14

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

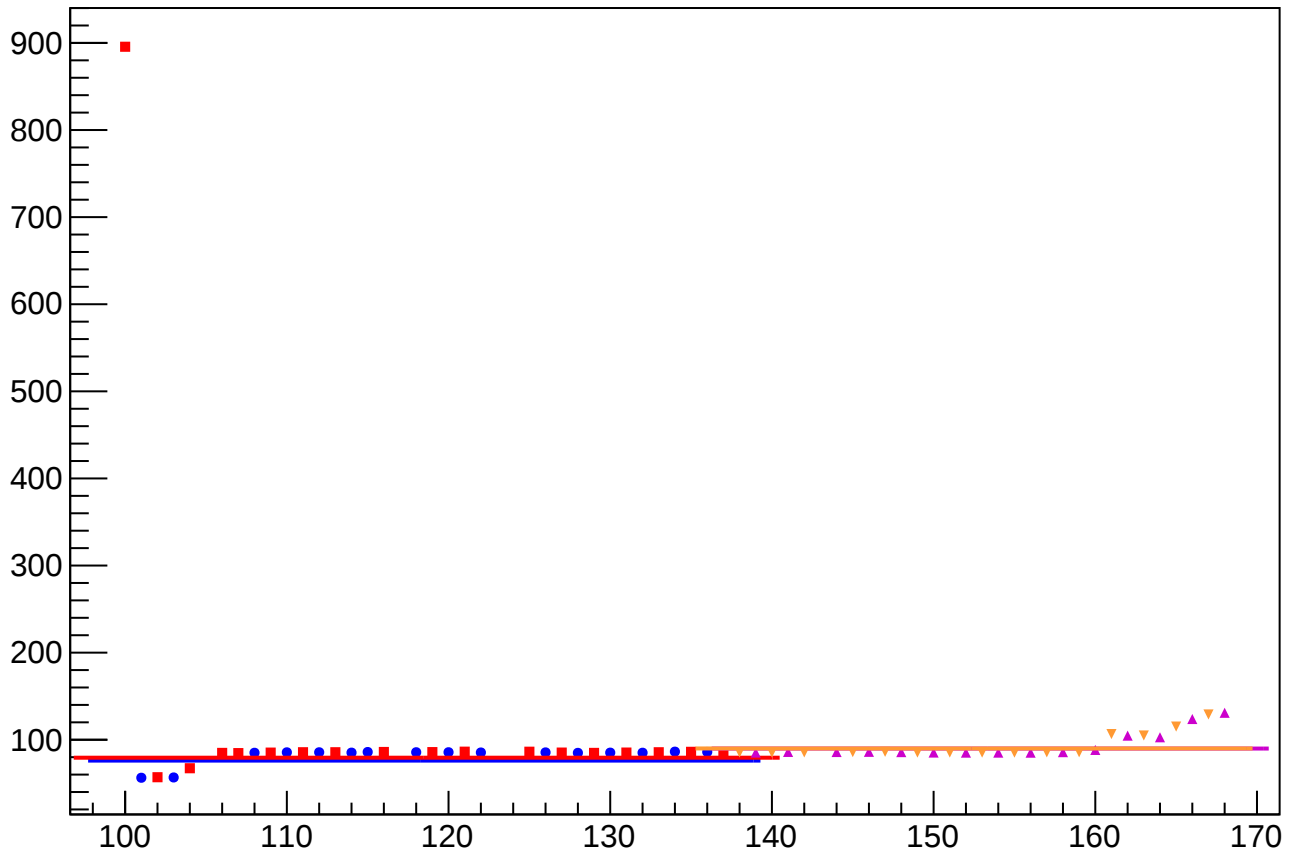
Left In: 17.243 ± 26.434 χ^2/NDF : 16.3/14

+ sign -0.419 ± 20.056 χ^2/NDF : 26.3/30

All: -2.371 ± 14.148 χ^2/NDF : 60.7/63

- sign -4.305 ± 19.960 χ^2/NDF : 34.4/32

reg_asym_ds_avg_rms vs Slug



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

Left Out: 90.008 $\pm$ 0.019 χ^2 /NDF: 314875.8/14

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

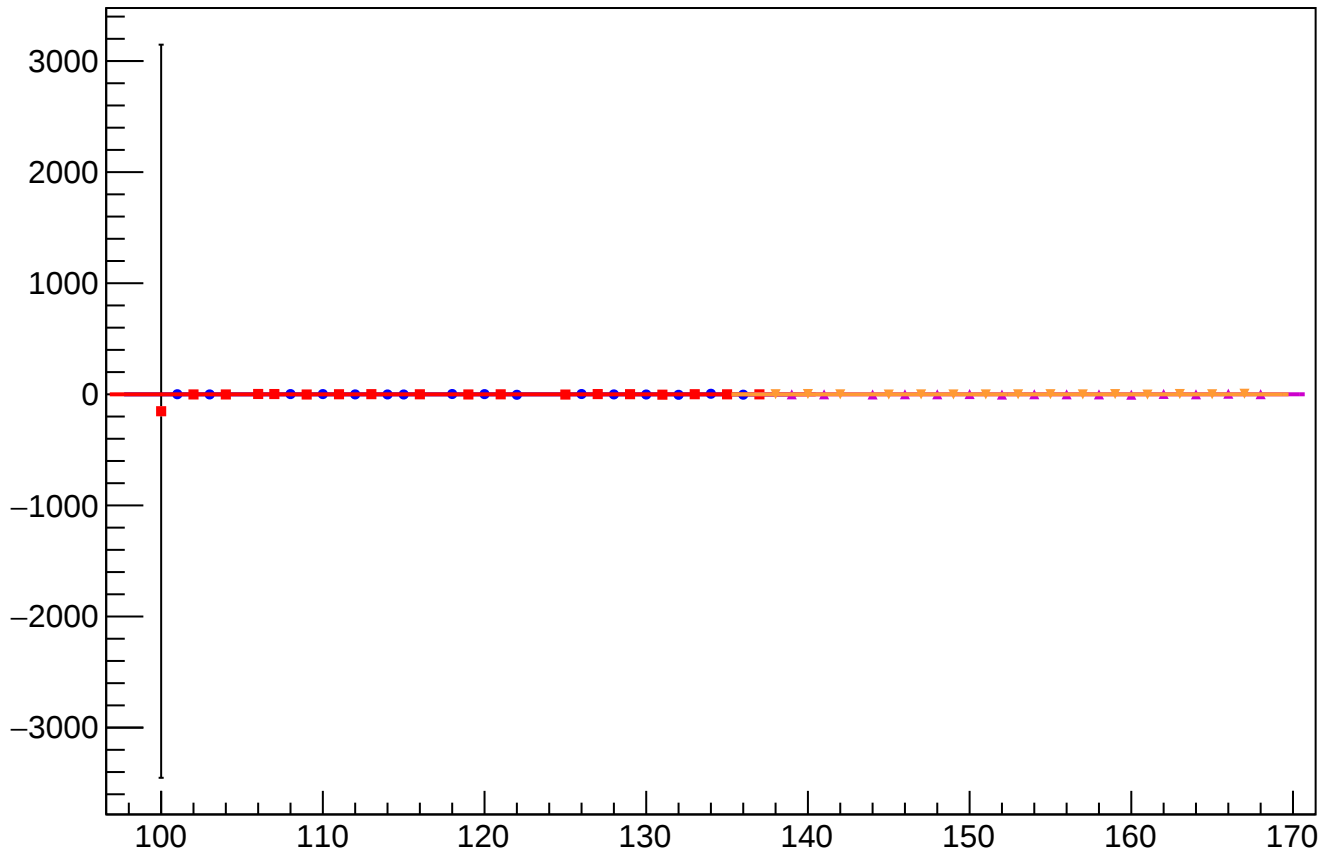
Left In: 89.895 $\pm$ 0.019 χ^2 /NDF: 338363.2/14

+ sign 83.777 $\pm$ 0.014 χ^2 /NDF: 962525.8/30

All: 84.583 $\pm$ 0.010 χ^2 /NDF: 1821598.4/63

- sign 85.380 $\pm$ 0.014 χ^2 /NDF: 852658.5/32

asym_ds_avg_correction_mean vs Slug



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

Left Out: -0.001 ± 0.458 χ^2/NDF : 12.7/14

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

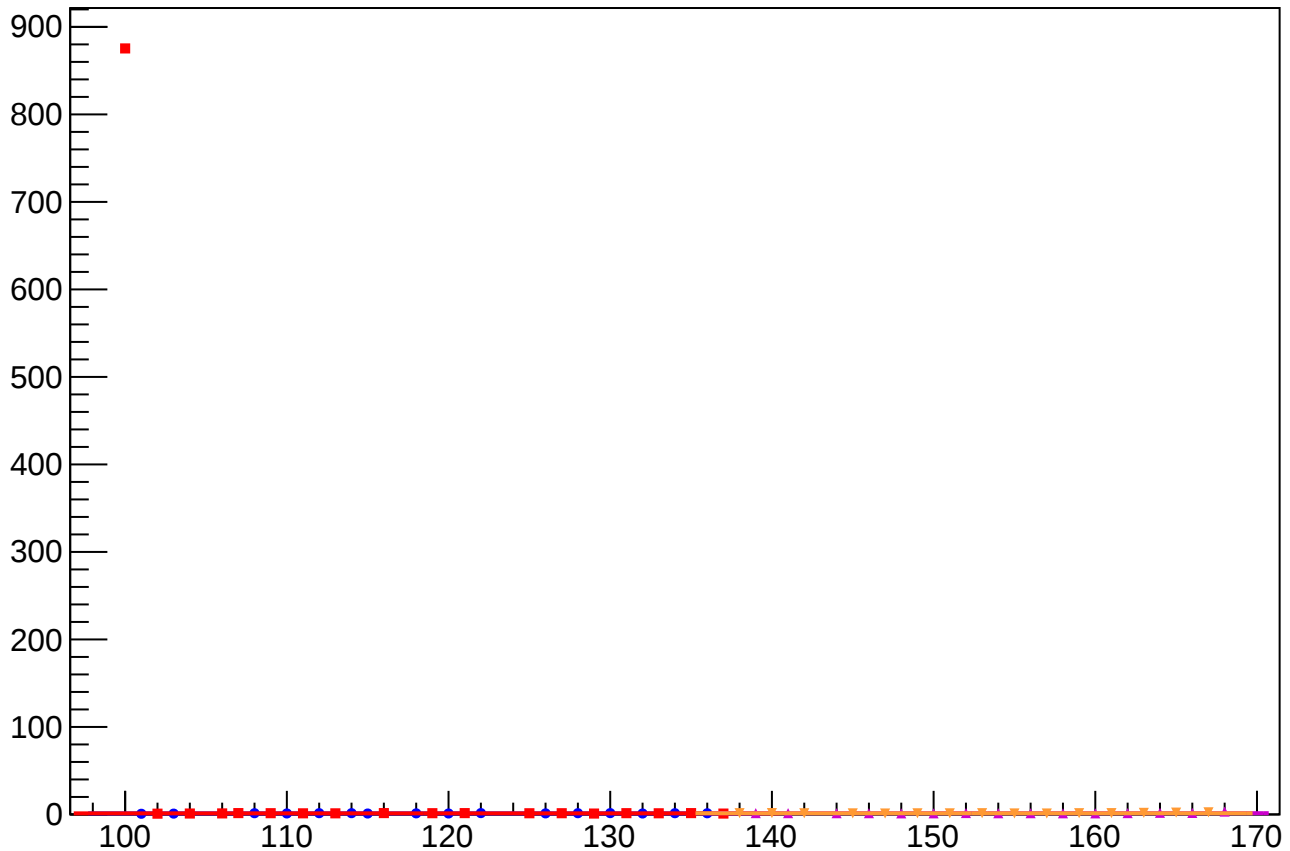
Left In: 0.353 ± 0.469 χ^2/NDF : 17.3/14

+ sign -0.128 ± 0.338 χ^2/NDF : 34.0/30

All: 0.011 ± 0.243 χ^2/NDF : 61.0/63

- sign 0.160 ± 0.349 χ^2/NDF : 26.6/32

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.363 $\pm$ 0.000 χ^2 /NDF: 696077.0/14

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

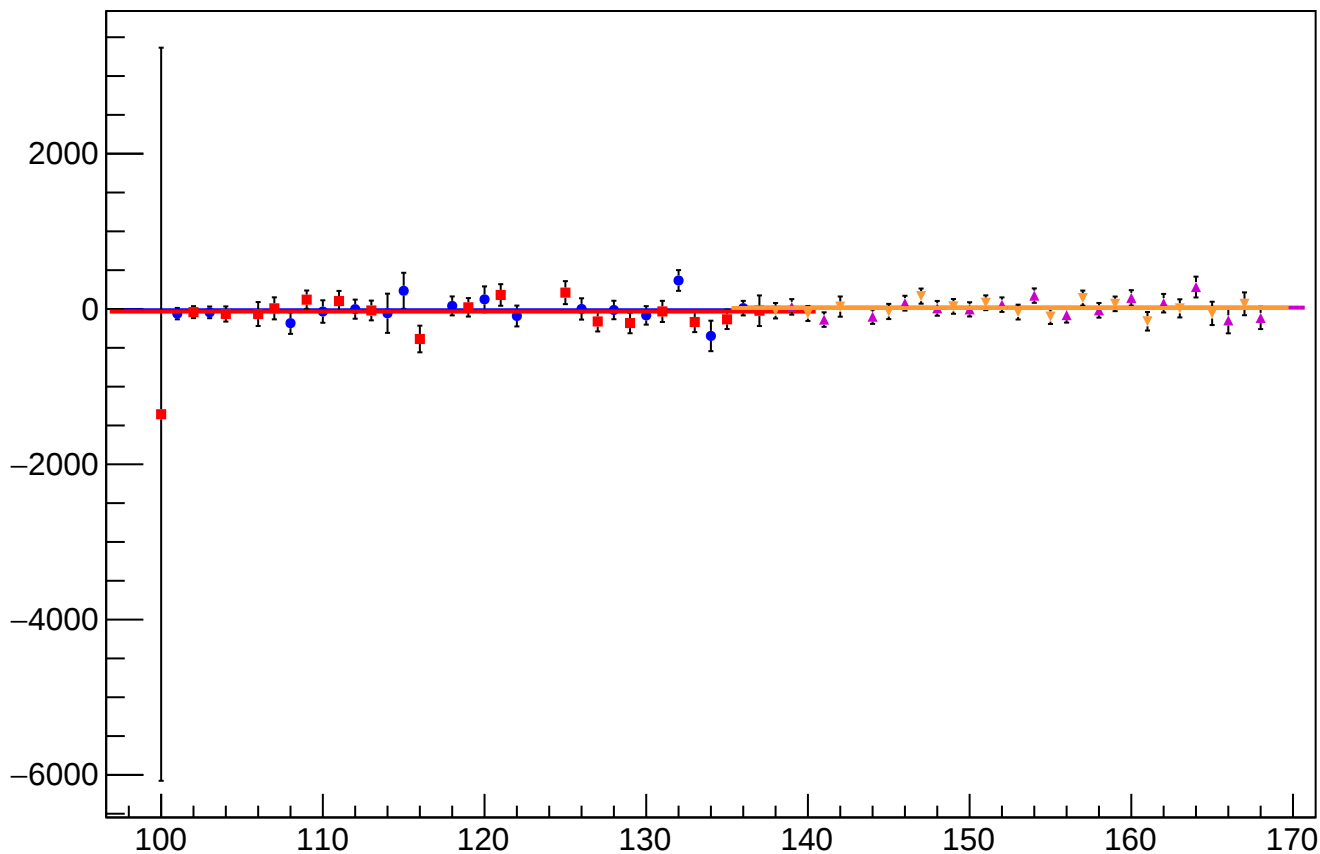
Left In: 1.451 $\pm$ 0.000 χ^2 /NDF: 638318.4/14

+ sign 1.267 $\pm$ 0.000 χ^2 /NDF: 1402155.5/30

All: 1.312 $\pm$ 0.000 χ^2 /NDF: 2799929.6/63

- sign 1.360 $\pm$ 0.000 χ^2 /NDF: 1324906.2/32

asym_ds_avg_mean vs Slug



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

Left Out: 12.637+/-26.986 χ^2 /NDF:10.0/14

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

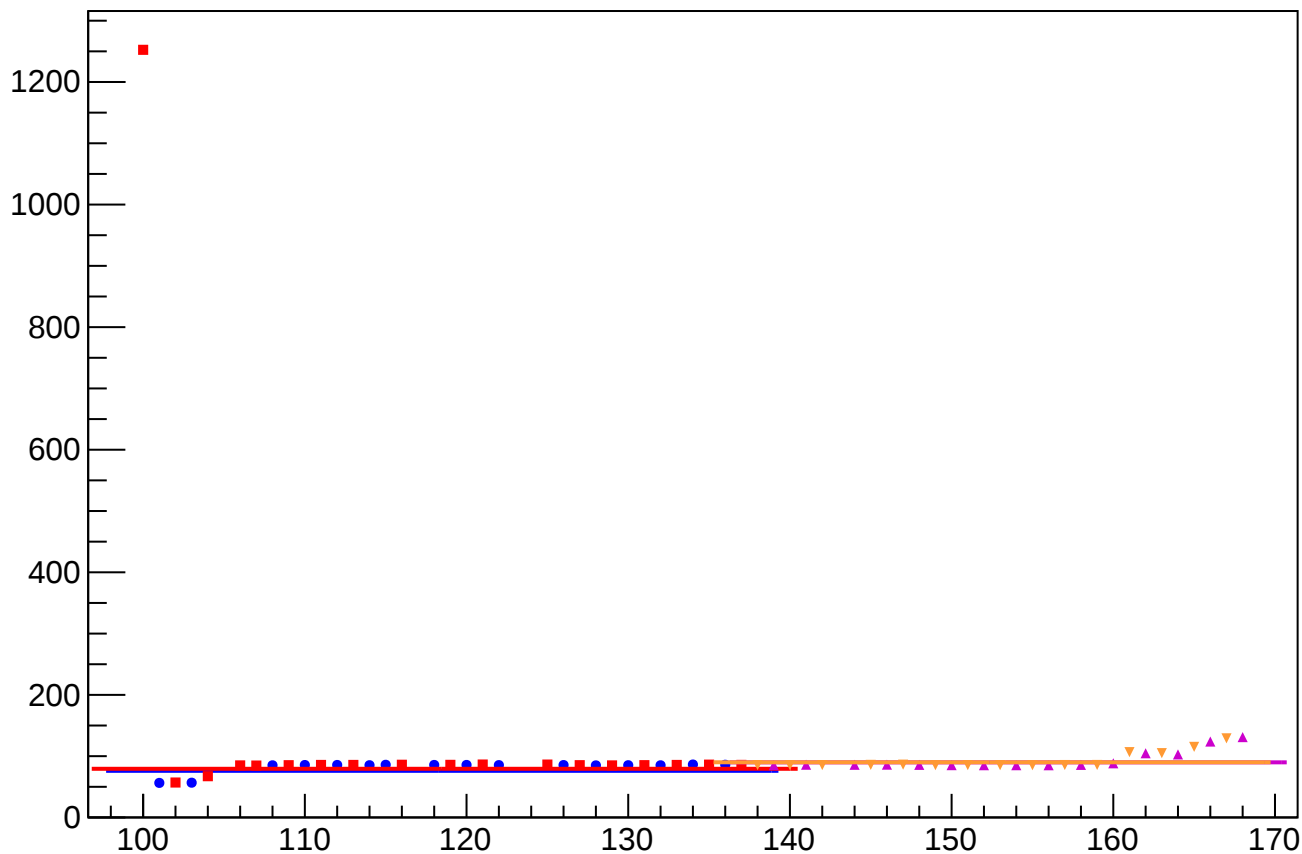
Left In: 17.431+/-26.442 χ^2 /NDF:16.4/14

+ sign -0.312+/-20.062 χ^2 /NDF: 26.4/30

All: -2.313+/-14.152 χ^2 /NDF: 60.9/63

- sign -4.294+/-19.966 χ^2 /NDF: 34.5/32

asym_ds_avg_rms vs Slug



Right In: 76.099+/-0.021 χ^2/NDF : 409200.9/15

Left Out: 90.033+/-0.019 χ^2/NDF : 315186.0/14

Right Out: 79.393+/-0.022 χ^2/NDF : 385048.8/17

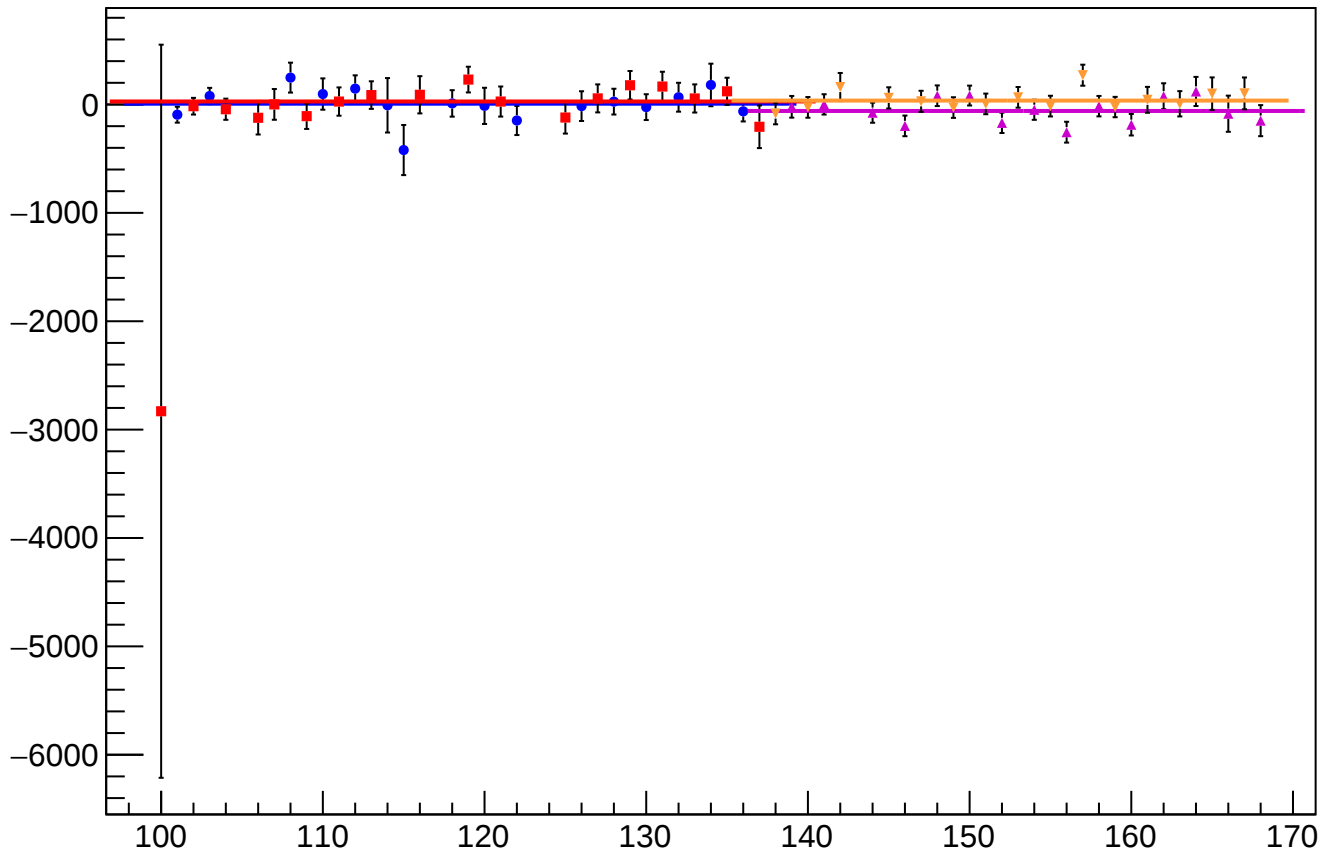
Left In: 89.921+/-0.019 χ^2/NDF : 338850.3/14

+ sign 83.800+/-0.014 χ^2/NDF : 962913.2/30

All: 84.602+/-0.010 χ^2/NDF : 1829443.4/63

- sign 85.396+/-0.014 χ^2/NDF : 860171.1/32

reg_asym_ds_dd_mean vs Slug



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

Left Out: 36.077 ± 26.975 χ^2/NDF : 10.5/14

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

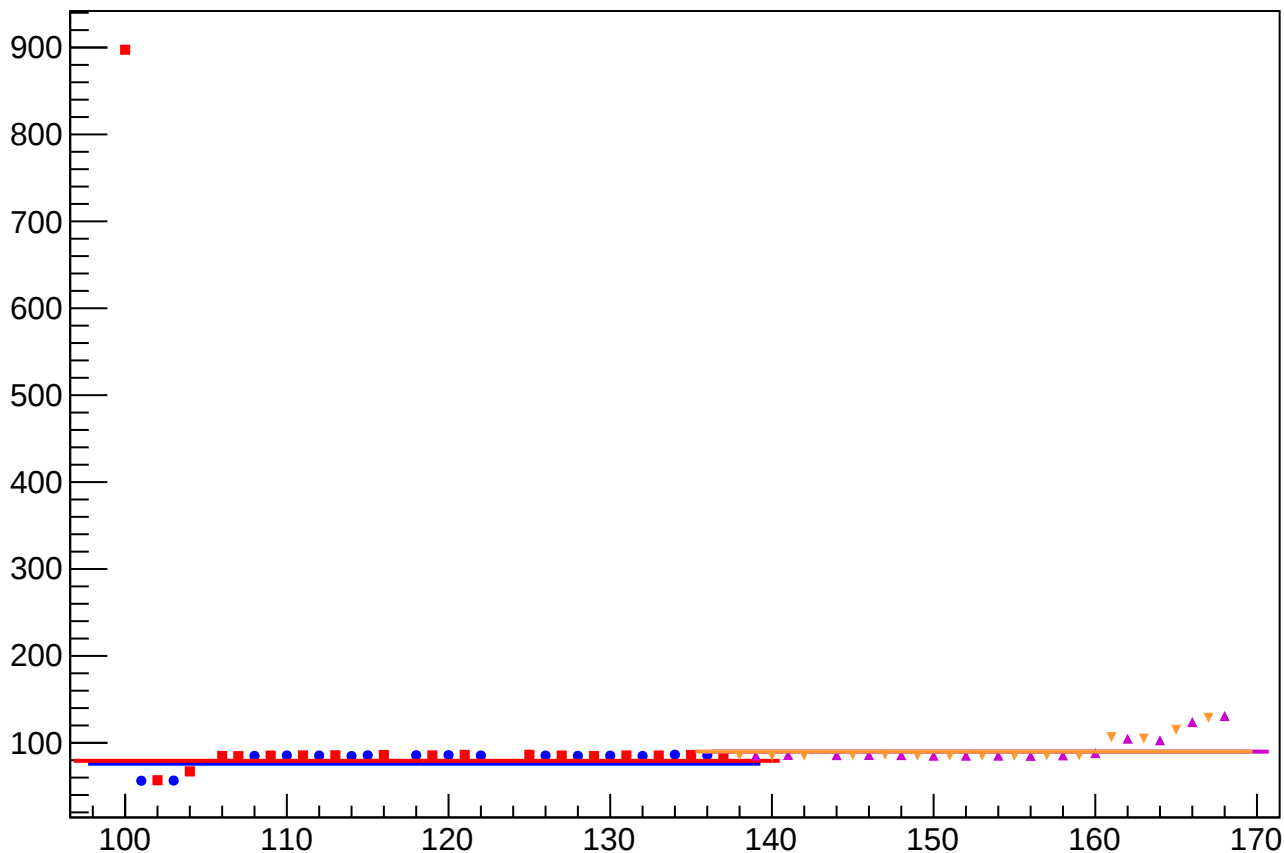
Left In: -59.724 ± 26.433 χ^2/NDF : 18.1/14

+ sign 23.269 ± 20.049 χ^2/NDF : 24.9/30

All: 0.512 ± 14.144 χ^2/NDF : 62.9/63

- sign -22.030 ± 19.955 χ^2/NDF : 35.4/32

reg_asym_ds_dd_rms vs Slug



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

Left Out: 90.000 $\pm$ 0.019 χ^2 /NDF: 313136.1/14

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

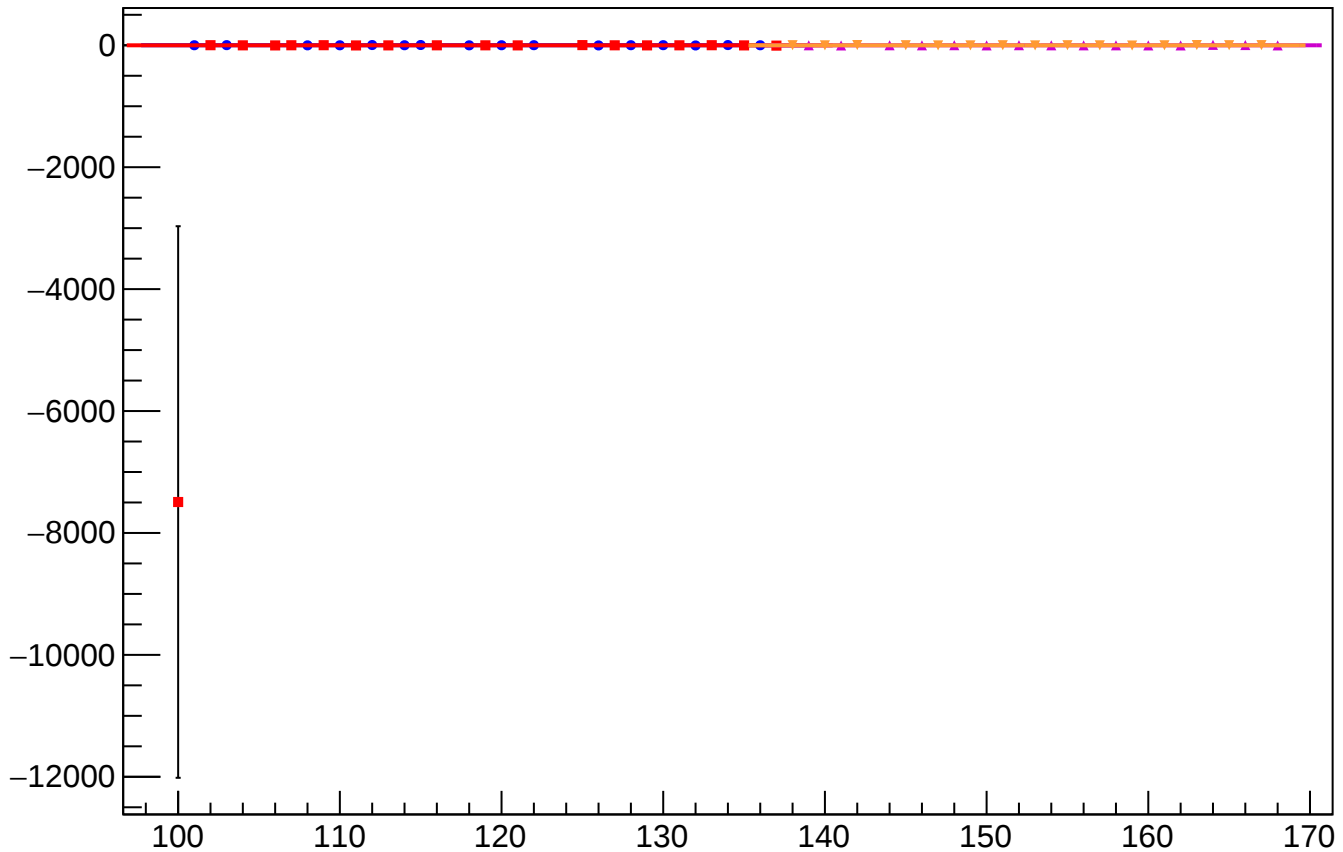
Left In: 89.888 $\pm$ 0.019 χ^2 /NDF: 339270.6/14

+ sign 83.748 $\pm$ 0.014 χ^2 /NDF: 962066.7/30

All: 84.554 $\pm$ 0.010 χ^2 /NDF: 1823063.3/63

- sign 85.352 $\pm$ 0.014 χ^2 /NDF: 854566.1/32

asym_ds_dd_correction_mean vs Slug



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

Left Out: -0.364 ± 0.473 χ^2/NDF : 16.2/14

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

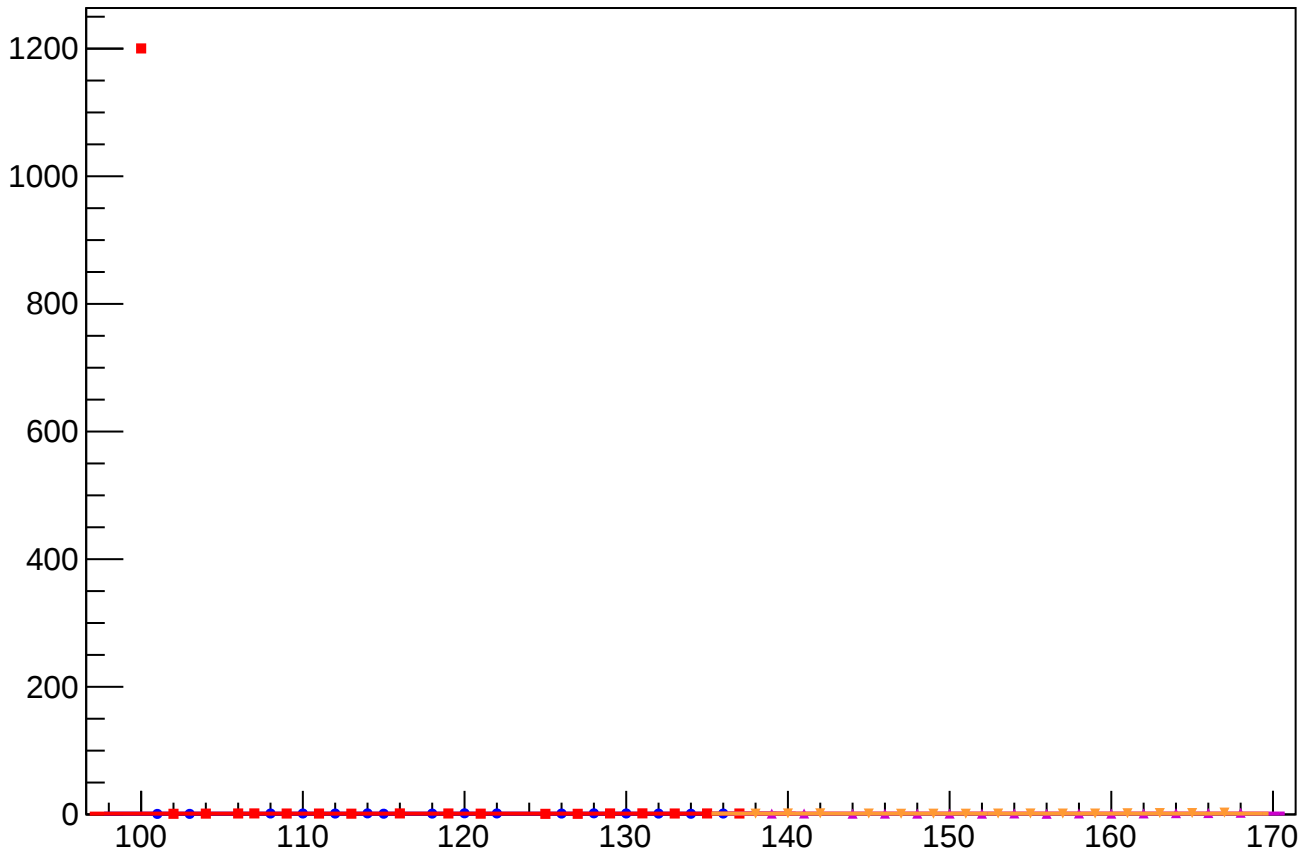
Left In: -0.100 ± 0.469 χ^2/NDF : 14.8/14

+ sign 0.199 ± 0.354 χ^2/NDF : 31.4/30

All: 0.006 ± 0.251 χ^2/NDF : 59.5/63

- sign -0.190 ± 0.356 χ^2/NDF : 27.5/32

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.425 $\pm$ 0.000 χ^2 /NDF: 980729.0/14

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

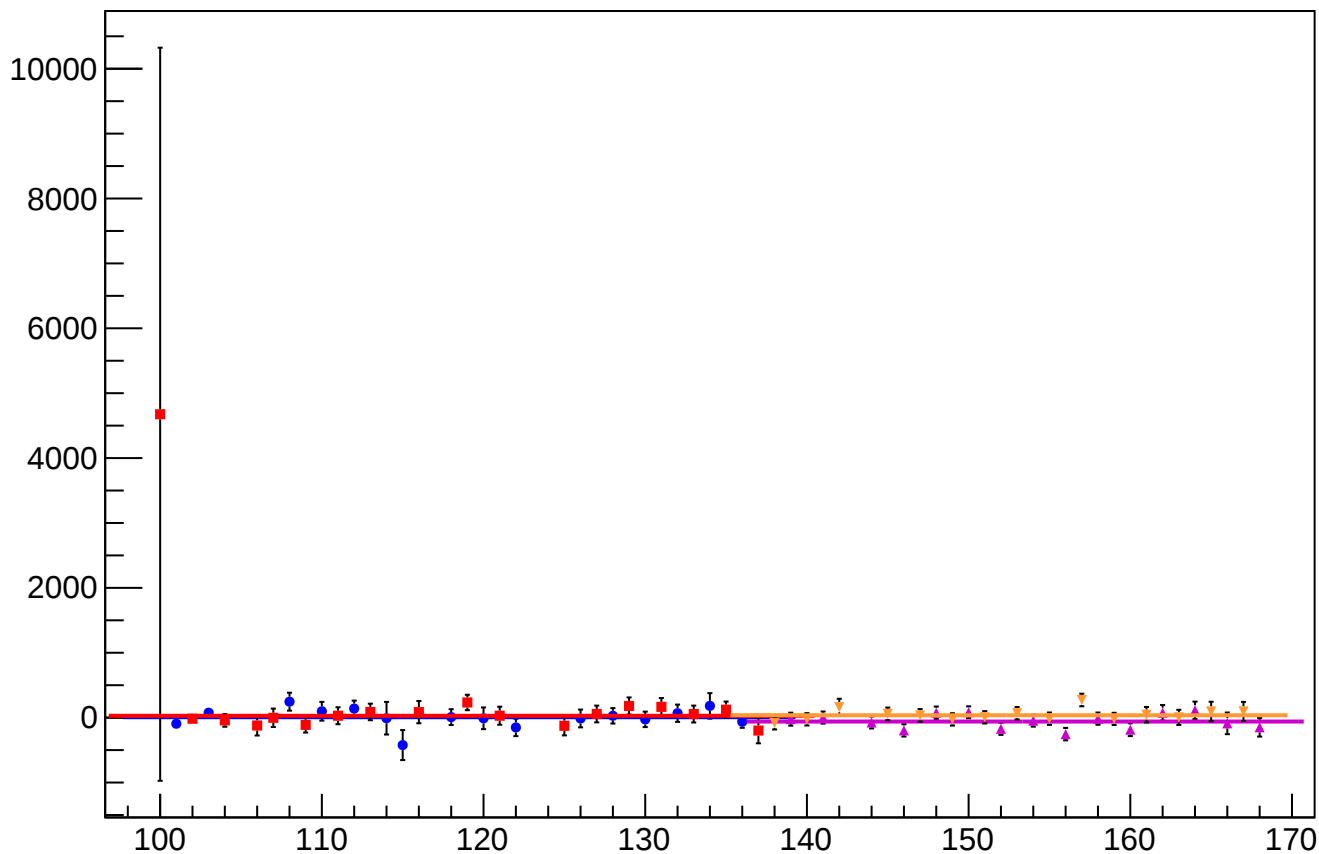
Left In: 1.438 $\pm$ 0.000 χ^2 /NDF: 725435.7/14

+ sign 1.342 $\pm$ 0.000 χ^2 /NDF: 1776205.7/30

All: 1.364 $\pm$ 0.000 χ^2 /NDF: 3095304.7/63

- sign 1.387 $\pm$ 0.000 χ^2 /NDF: 1302943.3/32

asym_ds_dd_mean vs Slug



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

Left Out: 36.676 ± 26.983 χ^2/NDF : 10.4/14

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

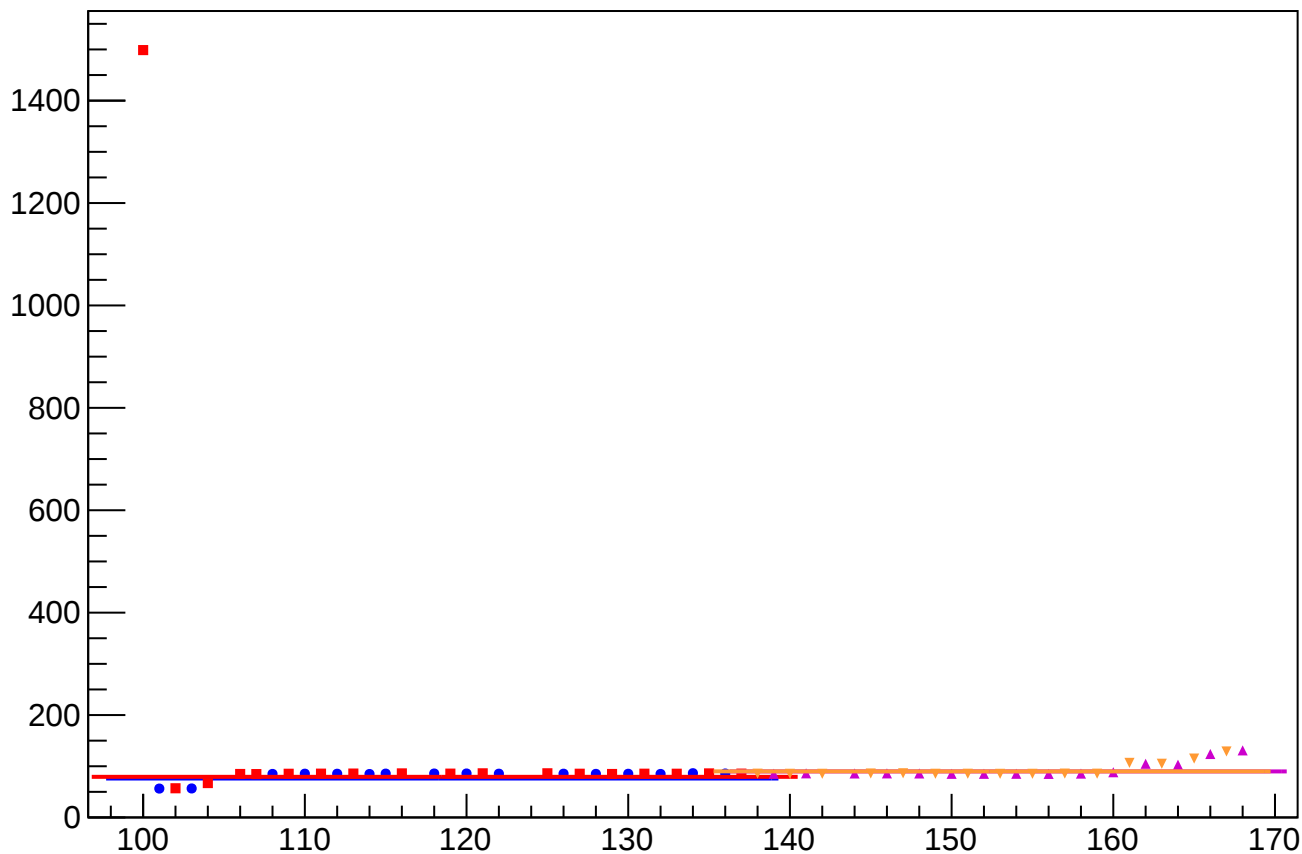
Left In: -60.091 ± 26.441 χ^2/NDF : 17.8/14

+ sign 23.296 ± 20.055 χ^2/NDF : 24.8/30

All: 0.557 ± 14.148 χ^2/NDF : 62.6/63

- sign -21.968 ± 19.961 χ^2/NDF : 35.3/32

asym_ds_dd_rms vs Slug



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

Left Out: 90.025 $\pm$ 0.019 χ^2 /NDF: 313448.0/14

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

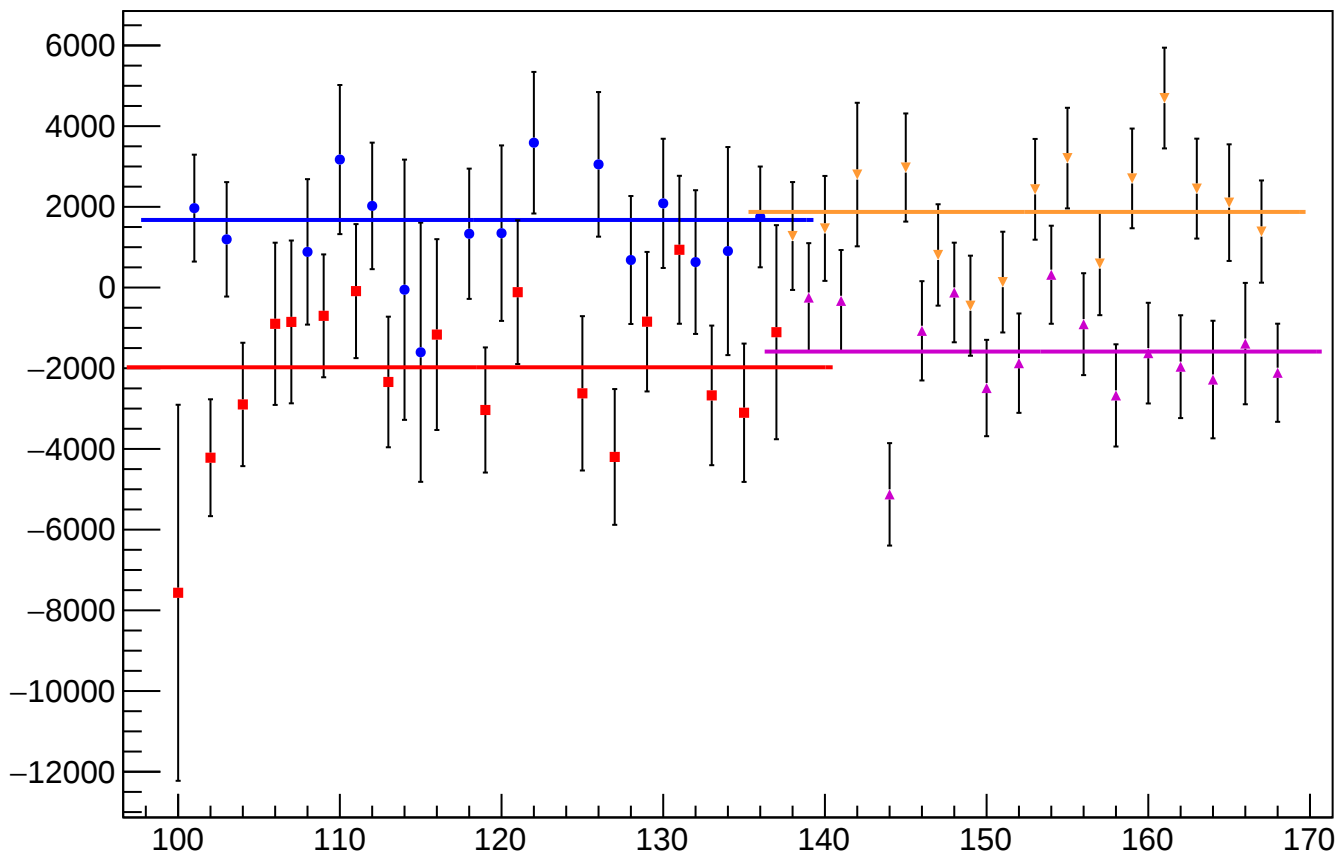
Left In: 89.914 $\pm$ 0.019 χ^2 /NDF: 339741.7/14

+ sign 83.771 $\pm$ 0.014 χ^2 /NDF: 962444.9/30

All: 84.572 $\pm$ 0.010 χ^2 /NDF: 1833770.7/63

- sign 85.365 $\pm$ 0.014 χ^2 /NDF: 864975.8/32

reg_asym_usl_mean vs Slug



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

Left Out: 1874.215 $\pm$ 335.292 χ^2 /NDF:15.7/14

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

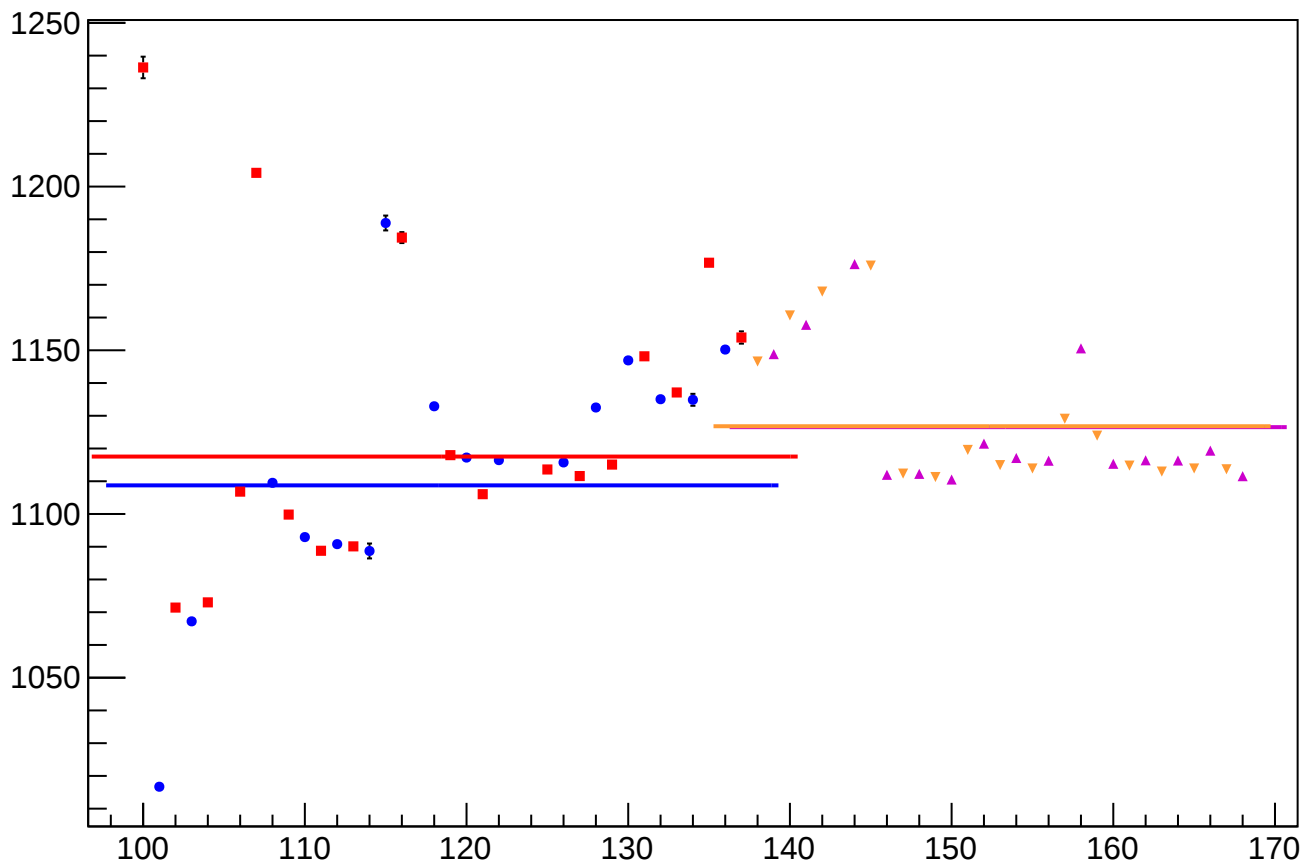
Left In: -1586.938 $\pm$ 328.740 χ^2 /NDF:16.0/14

+ sign 1799.017 $\pm$ 264.549 χ^2 /NDF: 21.0/30

All: -1.899 $\pm$ 185.229 χ^2 /NDF: 142.4/63

- sign -1733.809 $\pm$ 259.431 χ^2 /NDF: 30.5/32

reg_asym_usl_rms vs Slug



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

Left Out: 1126.800 $\pm$ 0.237 χ^2 /NDF: 7409.2/14

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

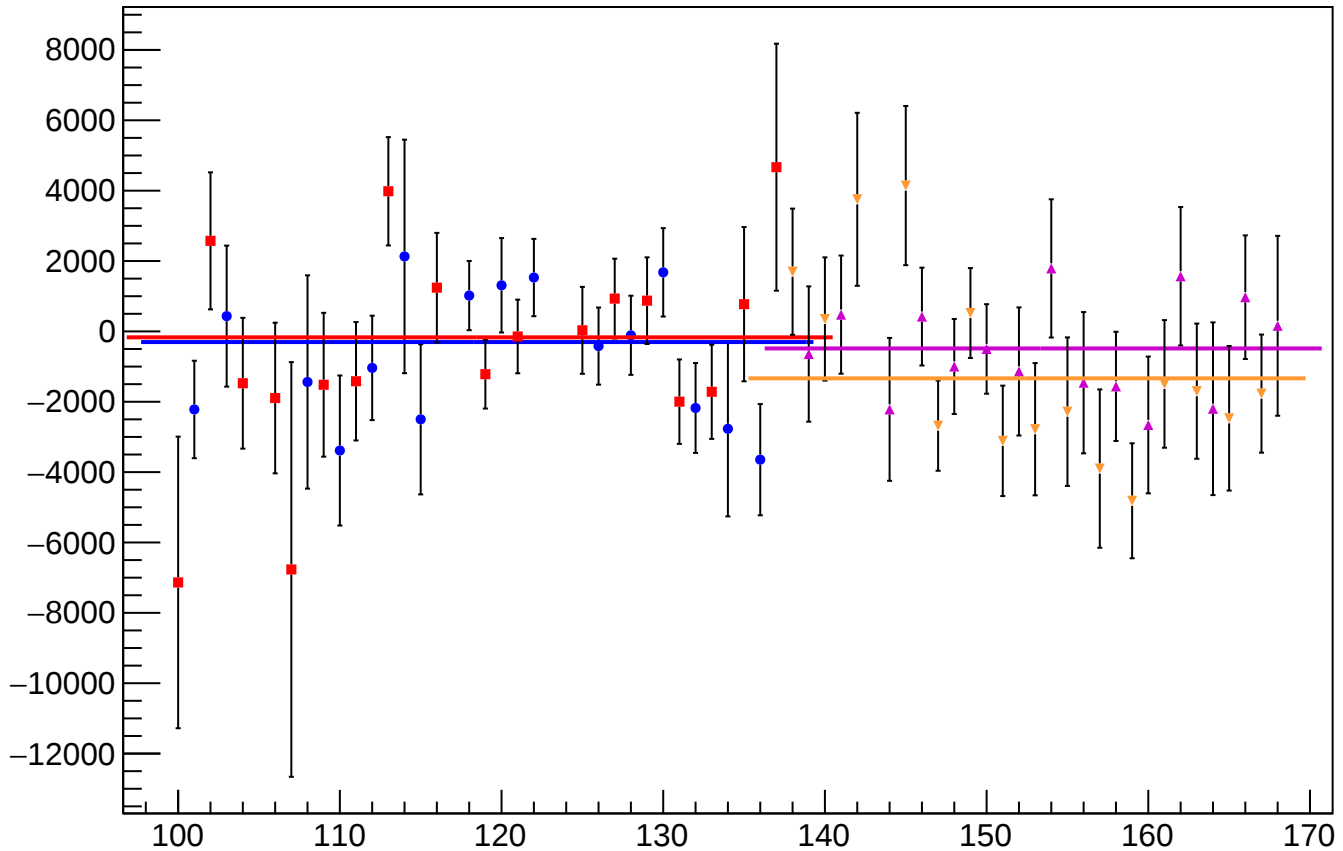
Left In: 1126.525 $\pm$ 0.232 χ^2 /NDF: 7502.4/14

+ sign 1119.983 $\pm$ 0.187 χ^2 /NDF: 27680.3/30

All: 1121.590 $\pm$ 0.131 χ^2 /NDF: 51406.3/63

- sign 1123.135 $\pm$ 0.183 χ^2 /NDF: 23581.2/32

asym_usl_correction_mean vs Slug



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

Left Out: -1334.493 ± 453.091 χ^2/NDF : 25.5/14

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

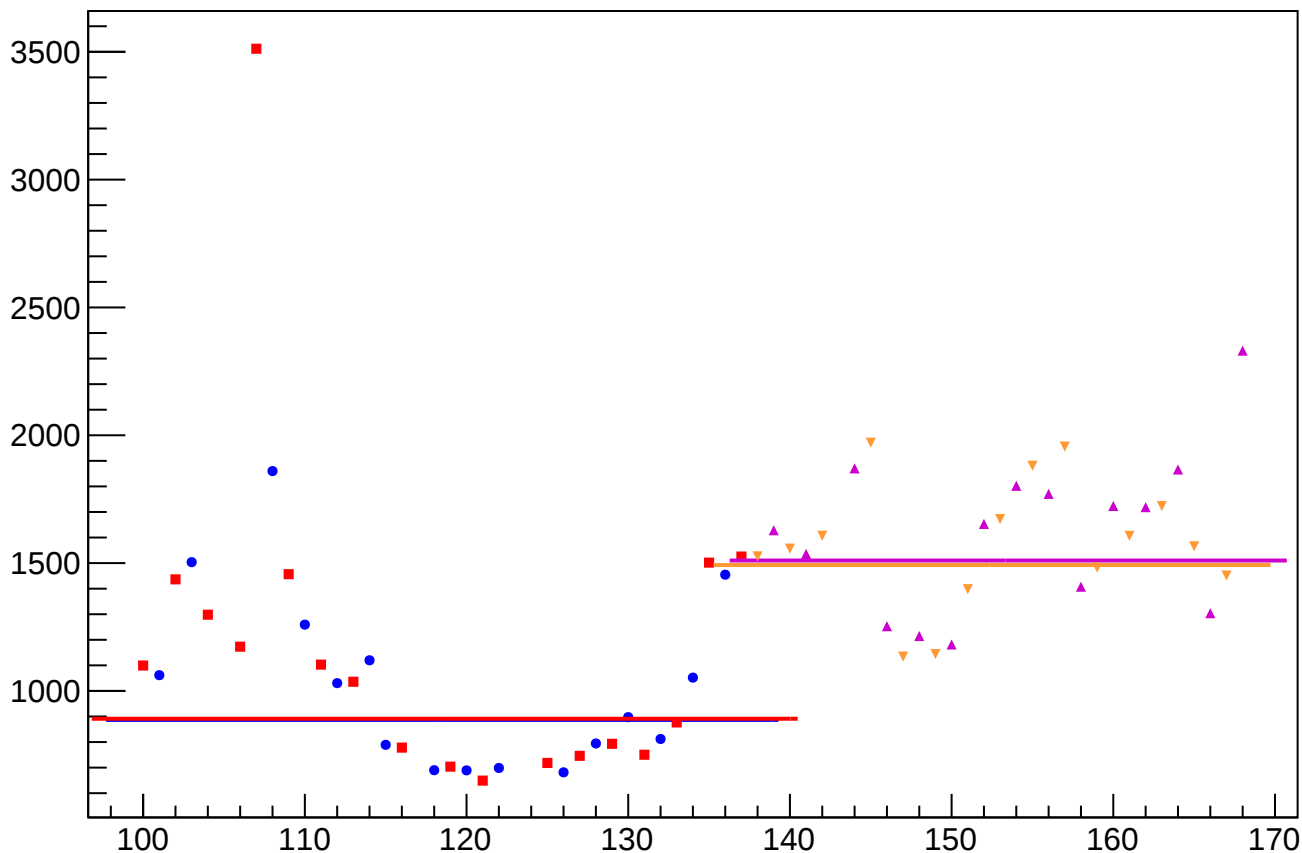
Left In: -484.717 ± 449.867 χ^2/NDF : 7.4/14

+ sign -702.477 ± 281.894 χ^2/NDF : 50.9/30

All: -494.609 ± 198.398 χ^2/NDF : 84.6/63

- sign -290.583 ± 279.278 χ^2/NDF : 32.6/32

asym_usl_correction_rms vs Slug



Right In: 886.691 $\pm$ 0.255 χ^2 /NDF: 1060864.2/15

Left Out: 1492.557 $\pm$ 0.320 χ^2 /NDF: 620547.7/14

Right Out: 891.197 $\pm$ 0.252 χ^2 /NDF: 1414187.9/17

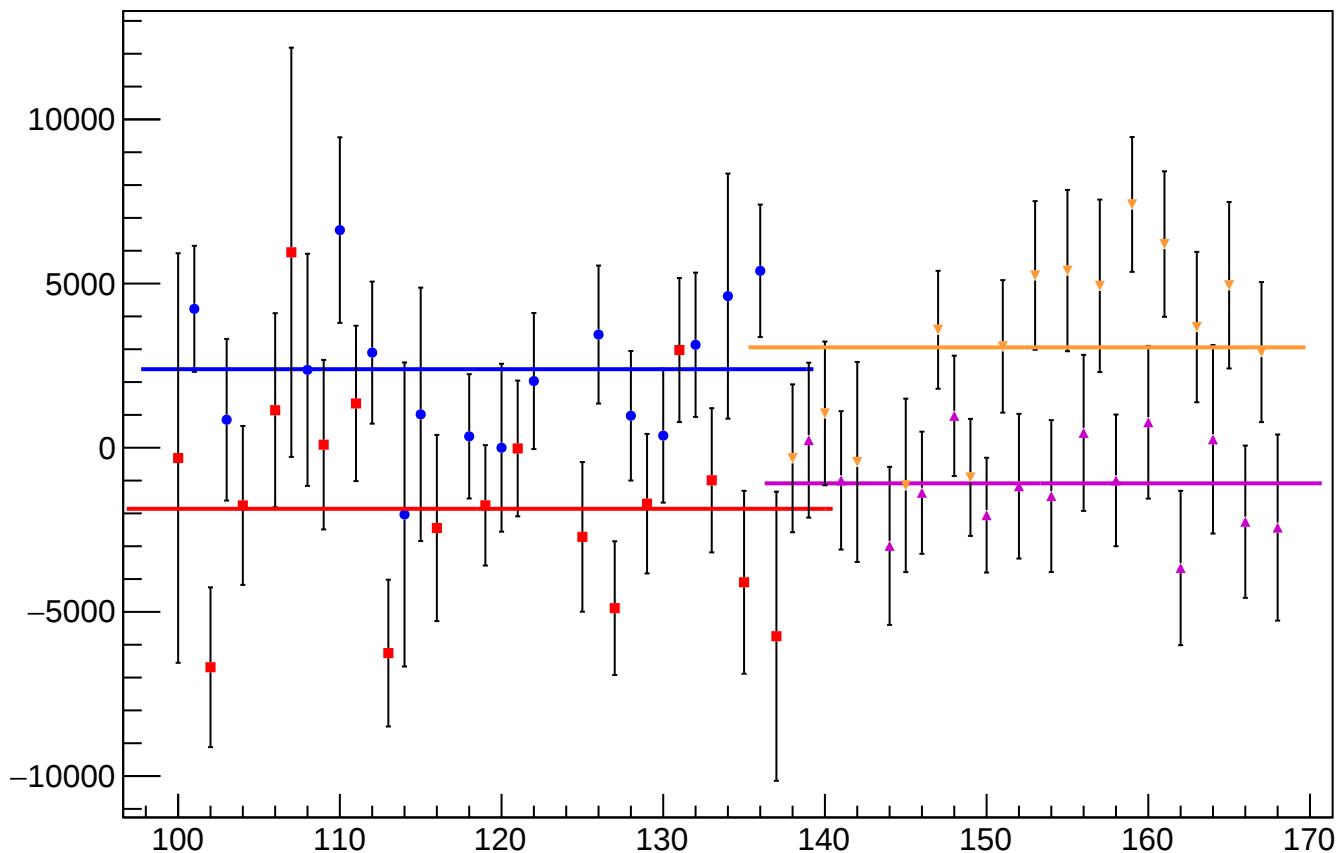
Left In: 1510.196 $\pm$ 0.318 χ^2 /NDF: 789706.5/14

+ sign 1121.210 $\pm$ 0.199 χ^2 /NDF: 3873282.2/30

All: 1125.523 $\pm$ 0.140 χ^2 /NDF: 8405331.1/63

- sign 1129.756 $\pm$ 0.197 χ^2 /NDF: 4531121.3/32

asym_usl_mean vs Slug



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

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

Right Out: -1084.859 $\pm$ 567.254 χ^2/NDF : 5.5/14

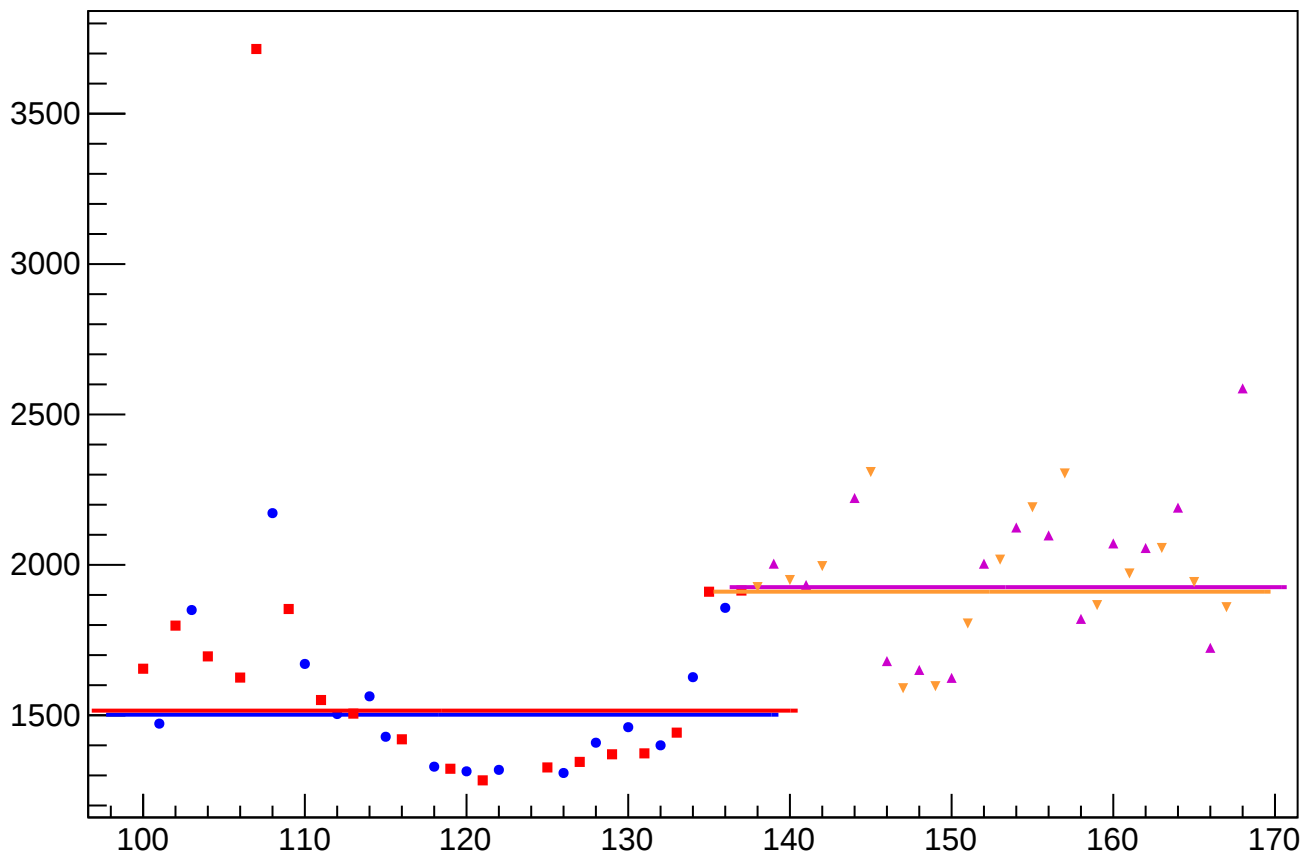
Left In: -1084.859 $\pm$ 567.254 χ^2/NDF : 5.5/14

+ sign 2733.994 $\pm$ 410.908 χ^2/NDF : 33.3/30

All: 614.062 $\pm$ 289.022 χ^2/NDF : 114.9/63

- sign -1461.677 $\pm$ 406.602 χ^2/NDF : 28.9/32

asym_usl_rms vs Slug



Right In: 1501.937+/-0.416 χ^2 /NDF: 254549.7/15

Left Out: 1910.899+/-0.406 χ^2 /NDF: 266428.2/14

Right Out: 1515.406+/-0.412 χ^2 /NDF: 479759.9/17

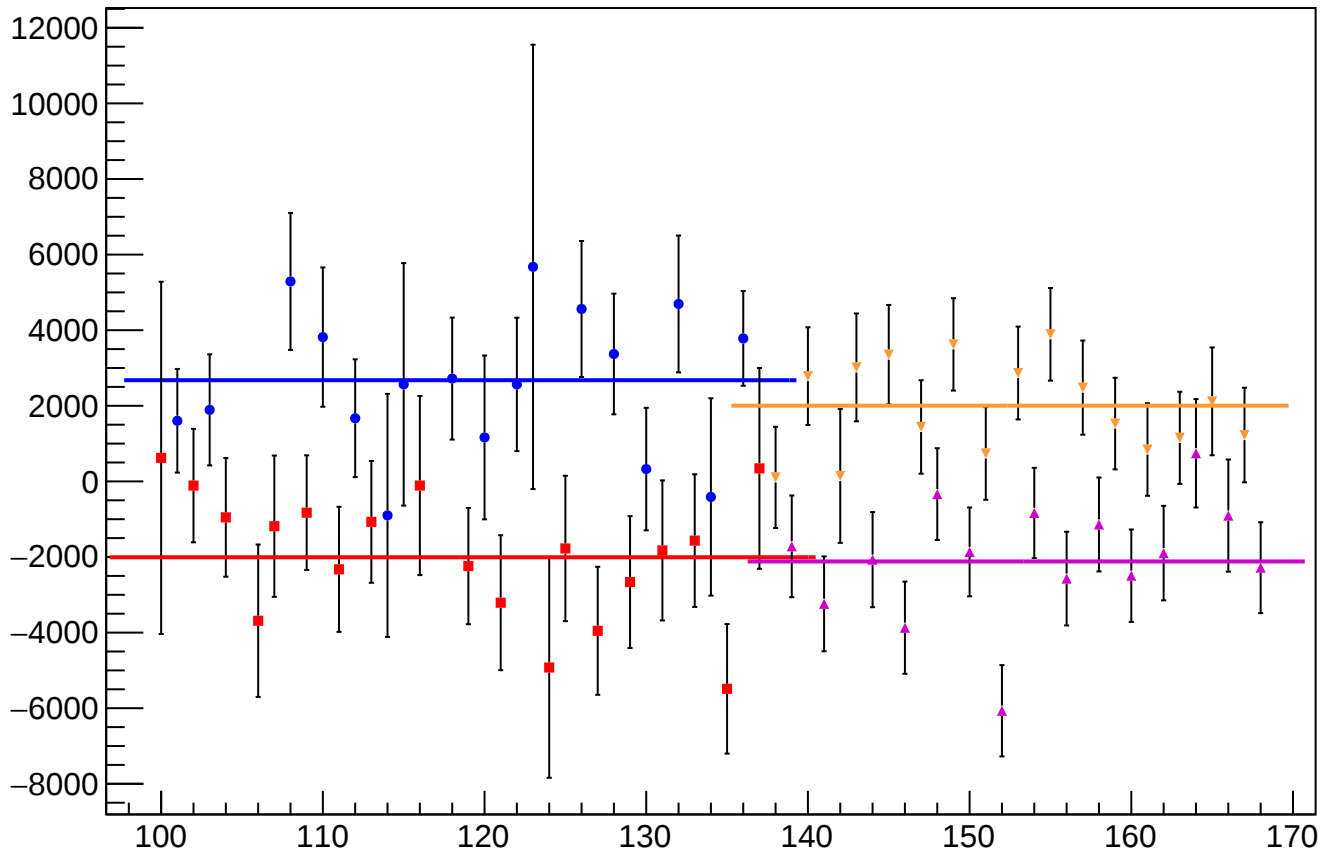
Left In: 1925.902+/-0.401 χ^2 /NDF: 360093.3/14

+ sign 1711.852+/-0.291 χ^2 /NDF: 1015903.2/30

All: 1719.159+/-0.204 χ^2 /NDF: 2366243.1/63

- sign 1726.314+/-0.288 χ^2 /NDF: 1349088.2/32

reg_asym_usr_mean vs Slug



Right In: 2676.683+/-433.582 χ^2/NDF : 12.6/16

Left Out: 2003.083+/-321.759 χ^2/NDF :13.0/15

Right Out: -2066.577+/-419.165 χ^2/NDF : 12.8/18

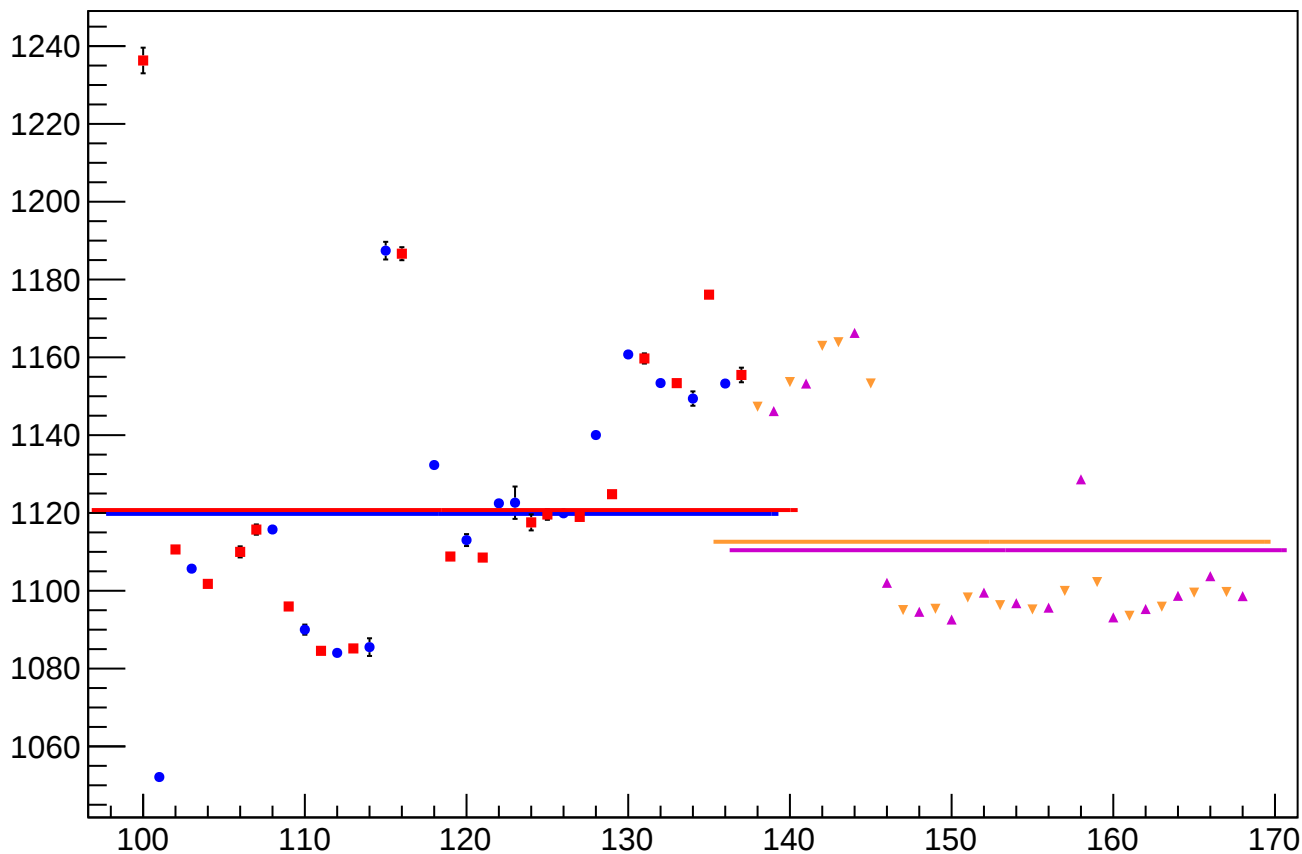
Left In: -2117.799+/-324.064 χ^2/NDF :22.6/14

+ sign 2242.301+/-258.384 χ^2/NDF : 27.1/32

All: 66.229+/-181.992 χ^2/NDF : 203.3/66

- sign -2076.190+/-256.379 χ^2/NDF : 35.4/33

reg_asym_usr_rms vs Slug



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

Left Out: 1112.600 $\pm$ 0.228 χ^2 /NDF:12900.8/15

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

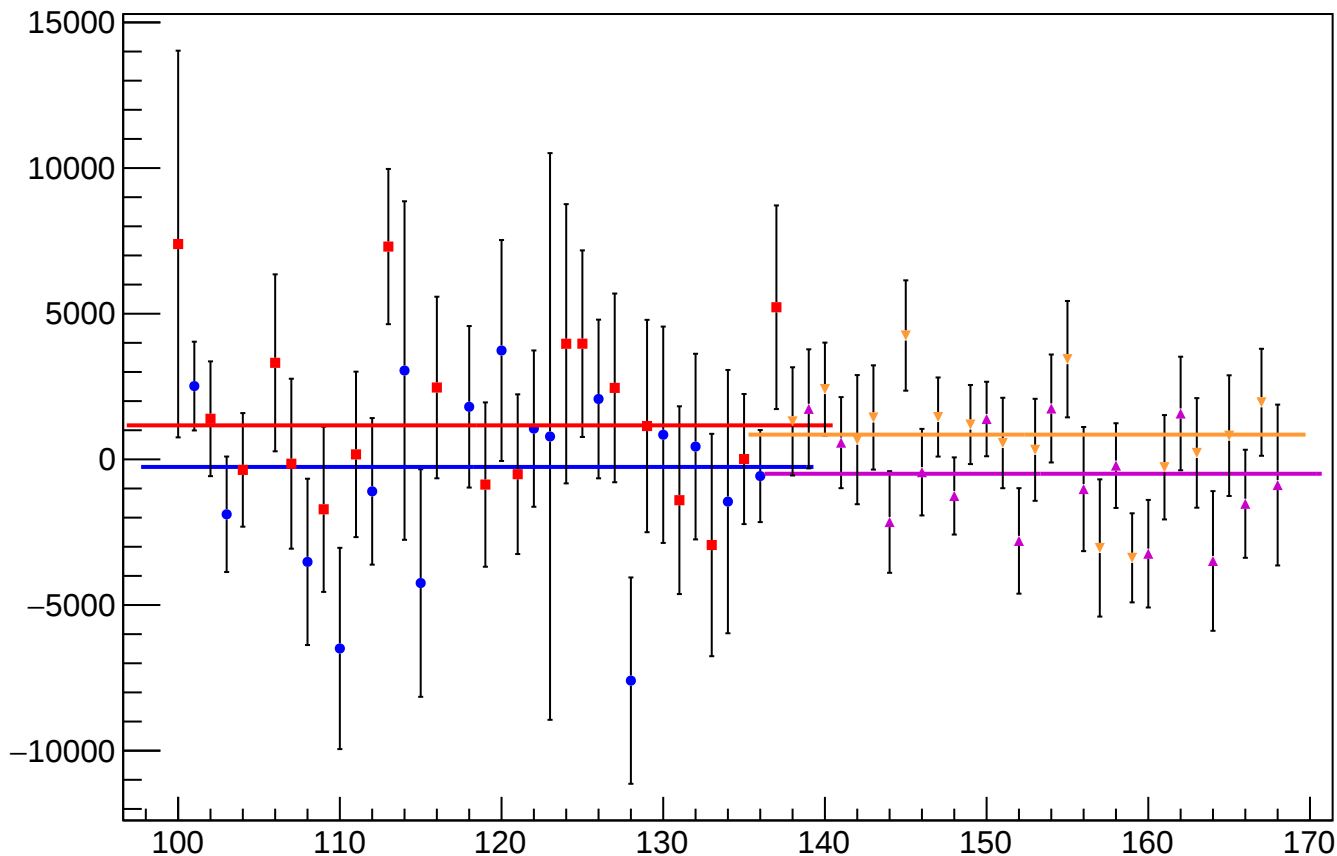
Left In: 1110.426 $\pm$ 0.229 χ^2 /NDF:10771.6/14

+ sign 1115.143 $\pm$ 0.183 χ^2 /NDF: 25129.6/32

All: 1114.712 $\pm$ 0.129 χ^2 /NDF: 46605.3/66

- sign 1114.287 $\pm$ 0.181 χ^2 /NDF: 21464.6/33

asym_usr_correction_mean vs Slug



Right In: -259.821 ± 655.275 χ^2/NDF : 17.2/16

Left Out: 850.101 ± 434.935 χ^2/NDF : 17.7/15

Right Out: 1167.598 ± 662.428 χ^2/NDF : 14.4/18

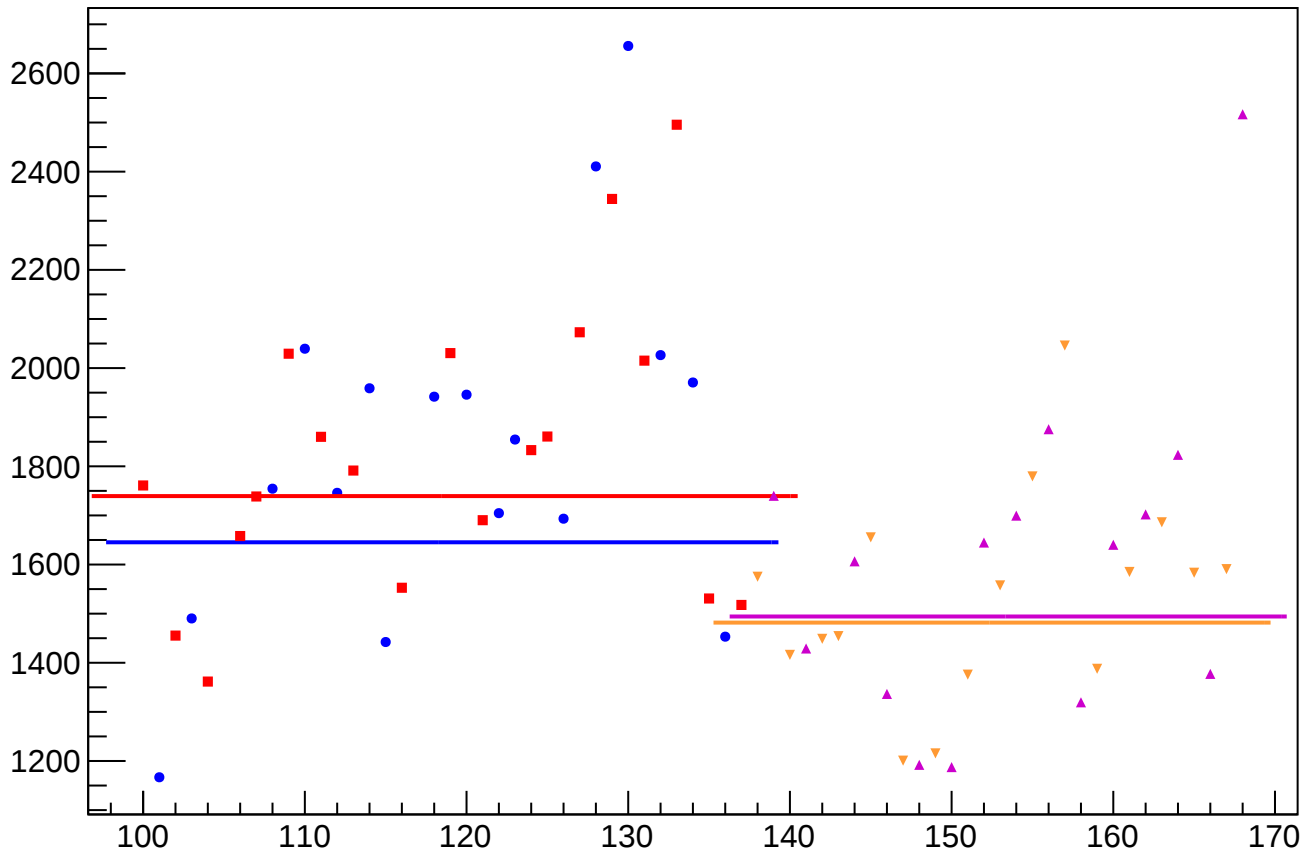
Left In: -493.872 ± 444.820 χ^2/NDF : 13.5/14

+ sign 510.661 ± 362.376 χ^2/NDF : 36.9/32

All: 271.178 ± 258.647 χ^2/NDF : 70.0/66

- sign 22.475 ± 369.287 χ^2/NDF : 32.2/33

asym_usr_correction_rms vs Slug



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

Left Out: 1481.790+/-0.308 χ^2/NDF : 410592.3/15

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

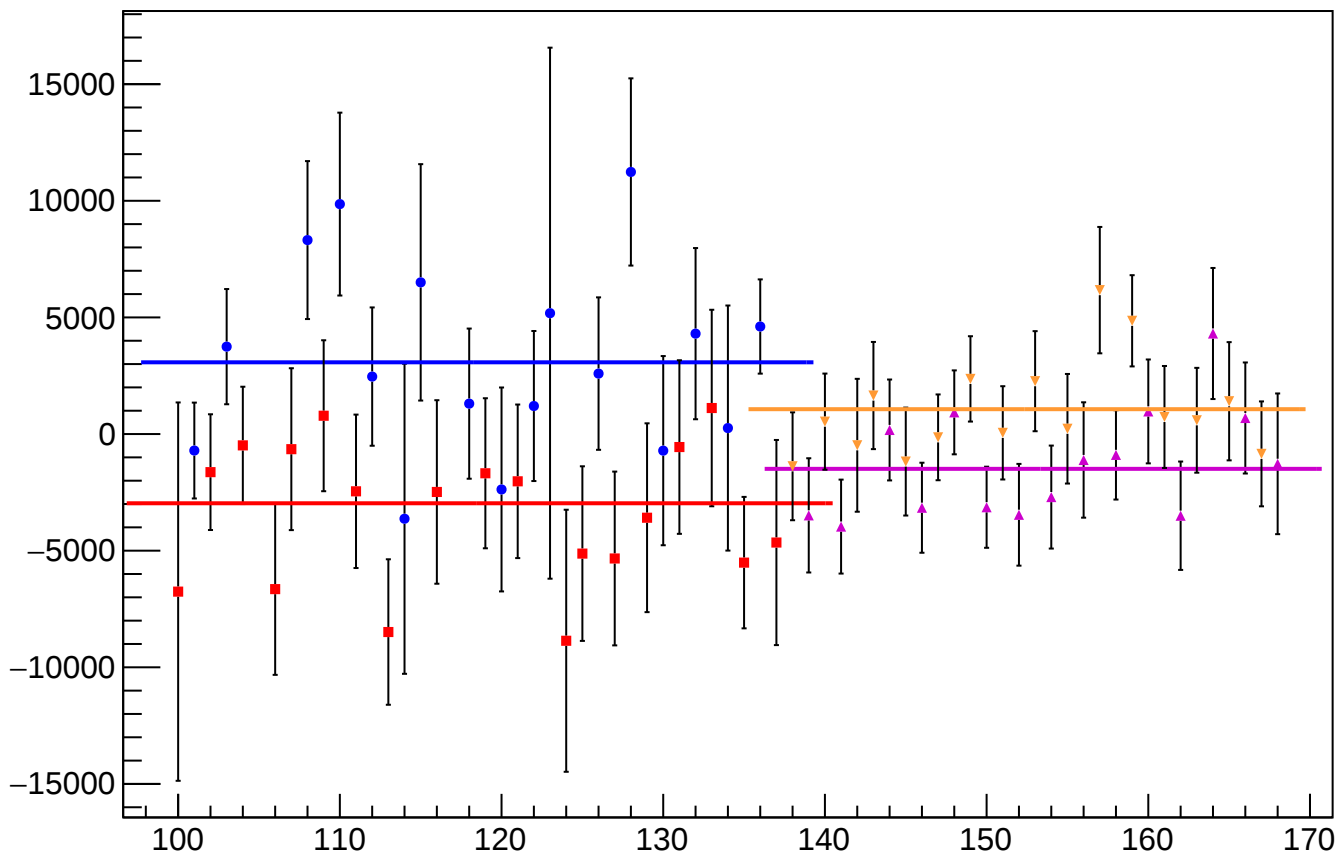
Left In: 1494.220+/-0.315 χ^2/NDF : 768816.2/14

+ sign 1531.797+/-0.256 χ^2/NDF : 1097959.9/32

All: 1550.739+/-0.183 χ^2/NDF : 2437734.9/60

- sign 1570.411+/-0.261 χ^2/NDF : 1328634.9/33

asym_usr_mean vs Slug



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

Left Out: 1065.924 $\pm$ 548.524 χ^2 /NDF:12.2/15

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

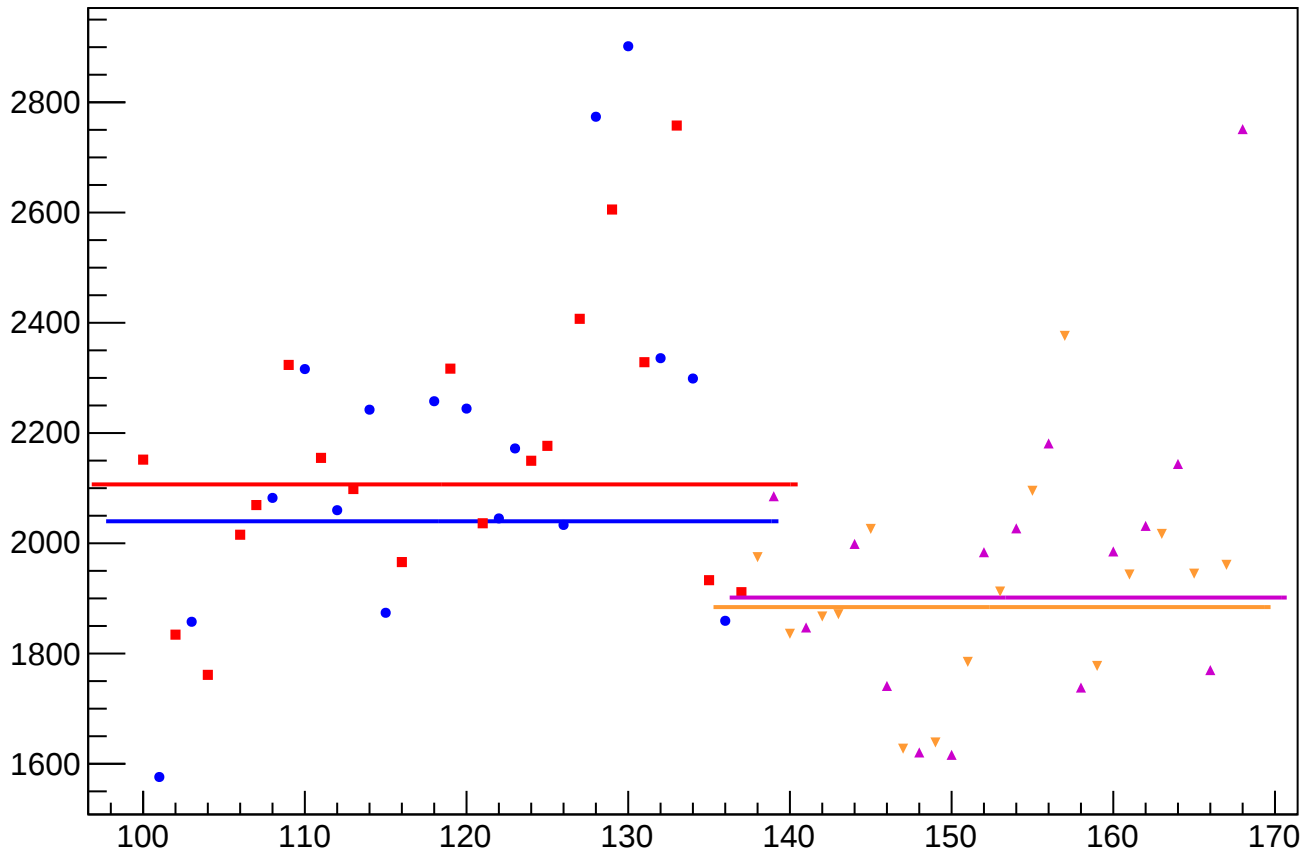
Left In: -1491.933 $\pm$ 560.142 χ^2 /NDF:14.5/14

+ sign 1706.072 $\pm$ 452.802 χ^2 /NDF: 35.1/32

All: -116.305 $\pm$ 322.009 χ^2 /NDF: 96.6/66

- sign -1980.932 $\pm$ 458.021 χ^2 /NDF: 28.7/33

asym_usr_rms vs Slug



Right In: 2039.942 $\pm$ 0.567 χ^2 /NDF: 331984.0/16

Left Out: 1884.260 $\pm$ 0.388 χ^2 /NDF: 192137.2/15

Right Out: 2106.832 $\pm$ 0.563 χ^2 /NDF: 195448.9/18

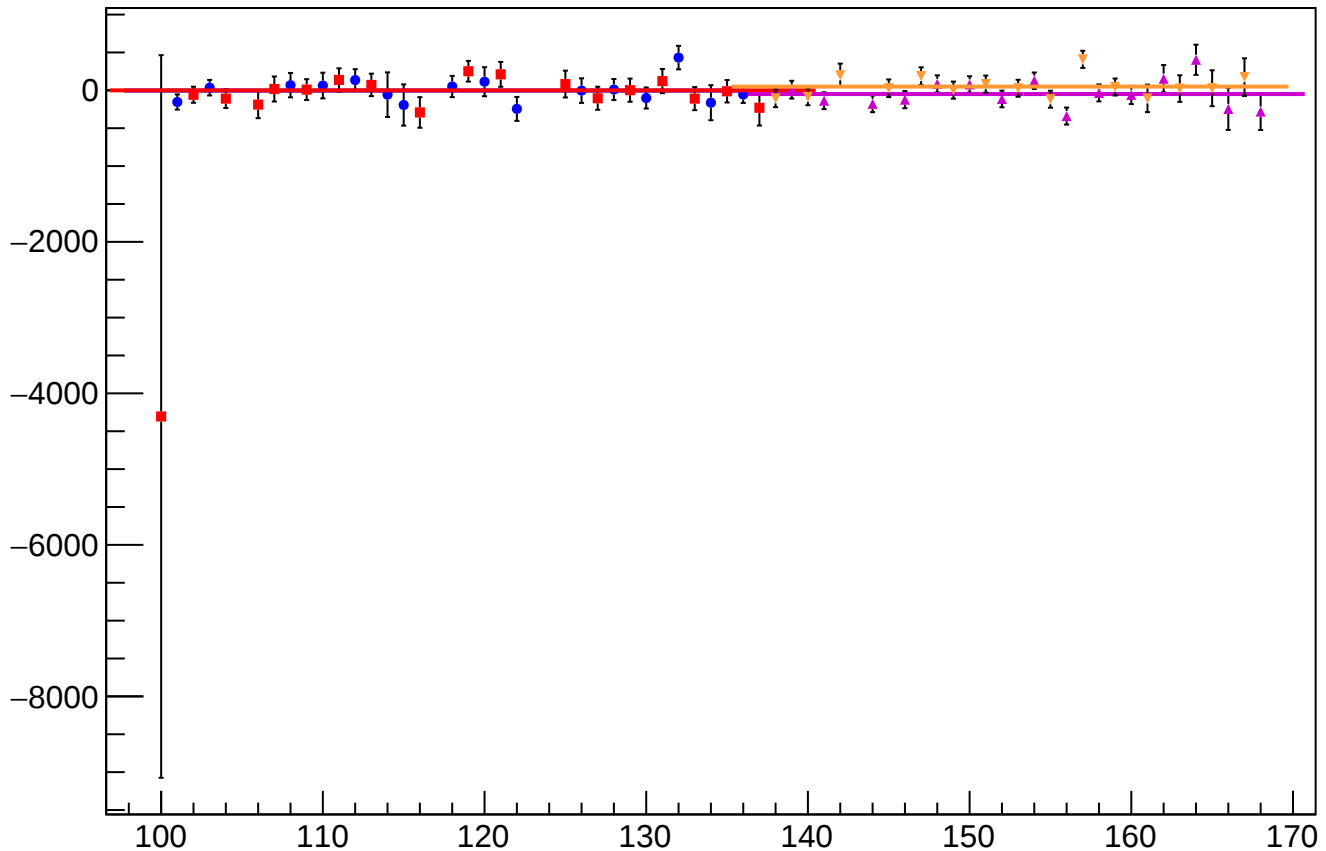
Left In: 1901.559 $\pm$ 0.396 χ^2 /NDF: 371498.0/14

+ sign 1933.855 $\pm$ 0.320 χ^2 /NDF: 575444.3/32

All: 1951.515 $\pm$ 0.228 χ^2 /NDF: 1237555.6/60

- sign 1969.585 $\pm$ 0.324 χ^2 /NDF: 655956.1/33

reg_asym_dsl_mean vs Slug



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

Left Out: 49.578 ± 33.049 χ^2/NDF : 19.2/14

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

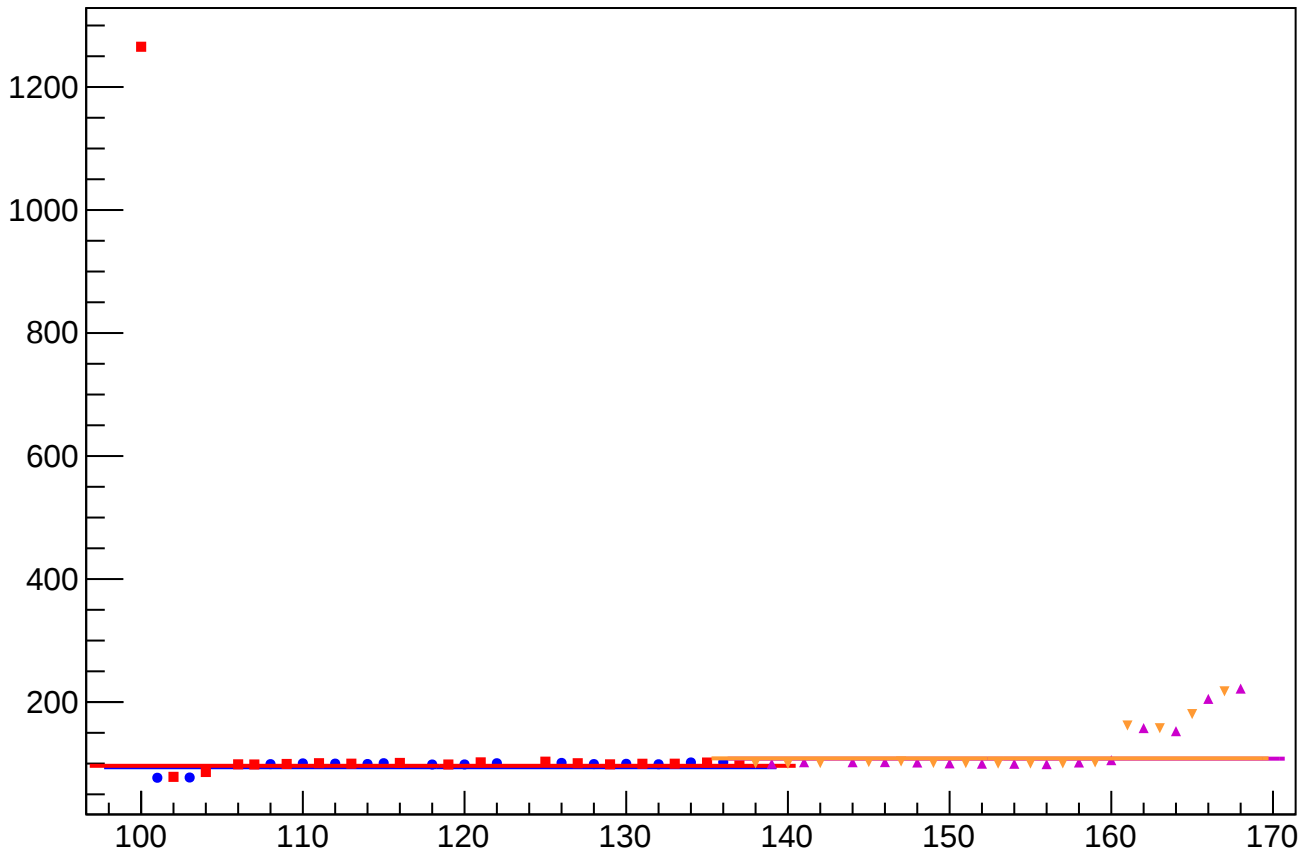
Left In: -48.941 ± 32.266 χ^2/NDF : 23.0/14

+ sign 25.917 ± 24.563 χ^2/NDF : 36.5/30

All: -1.314 ± 17.250 χ^2/NDF : 76.9/63

- sign -27.815 ± 24.232 χ^2/NDF : 37.9/32

reg_asym_dsl_rms vs Slug



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

Left Out: 108.489+/-0.023 χ^2/NDF : 996584.6/14

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

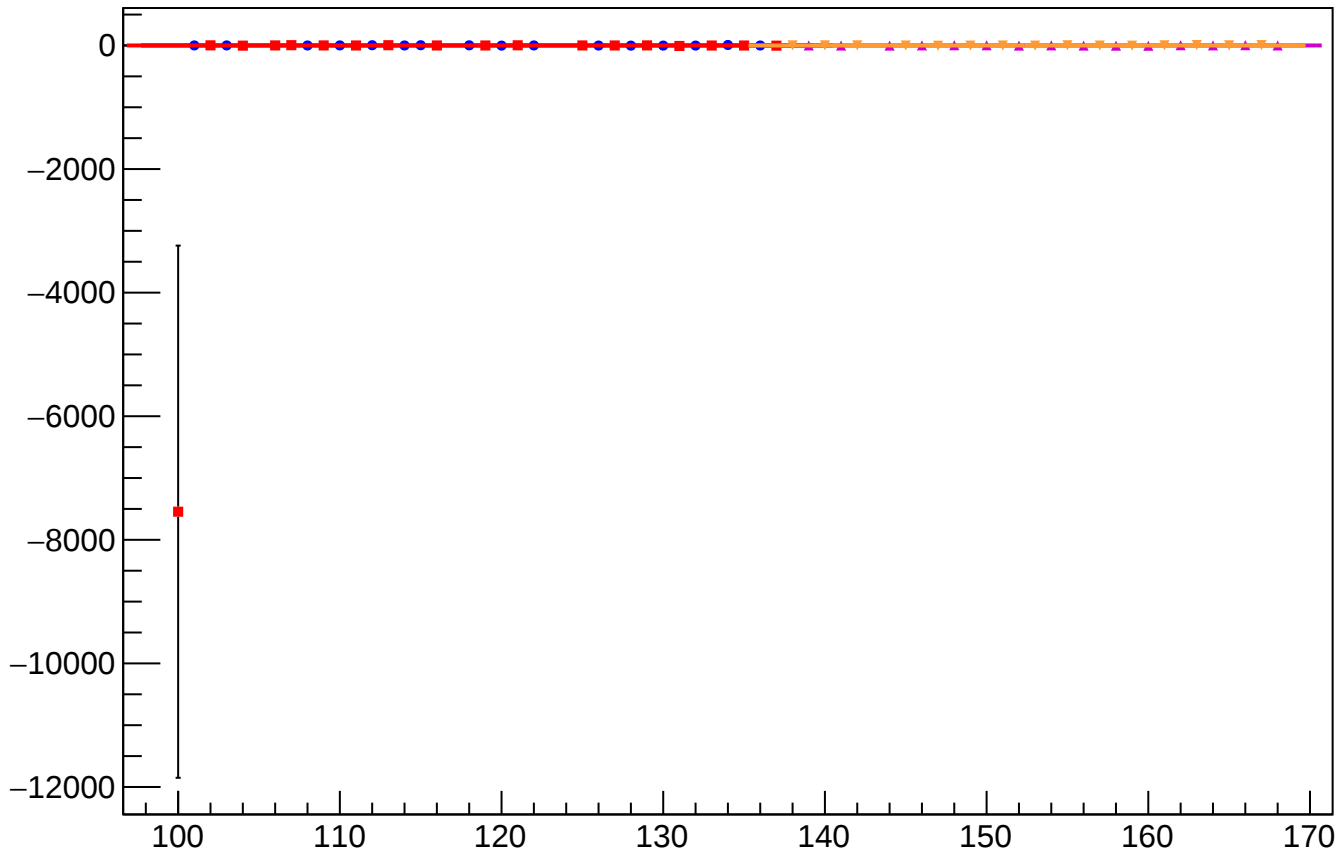
Left In: 107.978+/-0.023 χ^2/NDF : 1021450.0/14

+ sign 102.034+/-0.017 χ^2/NDF : 1319313.6/30

All: 102.482+/-0.012 χ^2/NDF : 2664115.8/63

- sign 102.918+/-0.017 χ^2/NDF : 1343490.1/32

asym_dsl_correction_mean vs Slug



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

Left Out: -0.328 $\pm$ 0.575 χ^2/NDF : 20.3/14

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

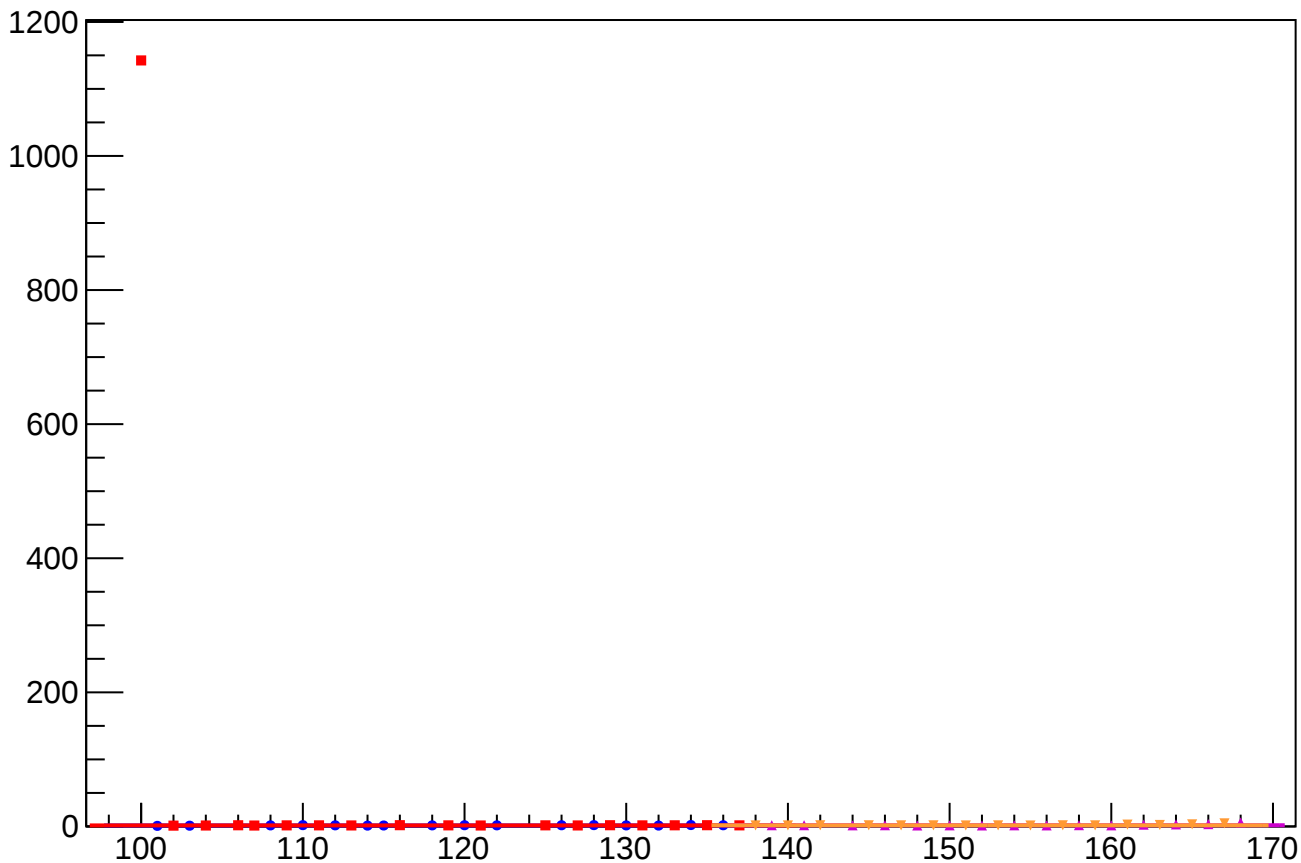
Left In: 0.094 $\pm$ 0.590 χ^2/NDF : 20.9/14

+ sign 0.024 $\pm$ 0.420 χ^2/NDF : 30.9/30

All: 0.106 $\pm$ 0.302 χ^2/NDF : 74.7/63

- sign 0.194 $\pm$ 0.435 χ^2/NDF : 43.8/32

asym_dsl_correction_rms vs Slug



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

Left Out: 1.707 $\pm$ 0.000 χ^2 /NDF:1055202.6/14

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

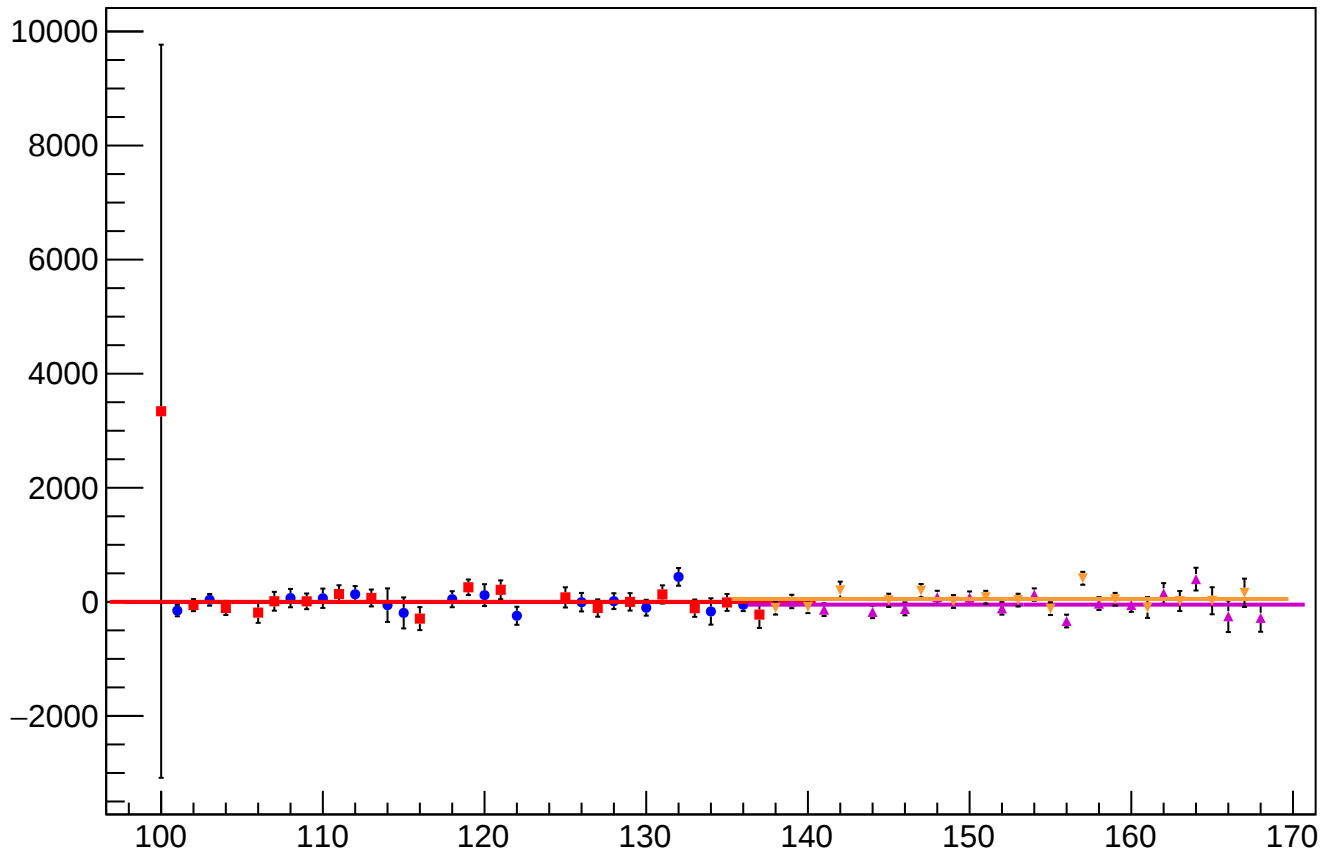
Left In: 1.809 $\pm$ 0.000 χ^2 /NDF:1370659.0/14

+ sign 1.573 $\pm$ 0.000 χ^2 /NDF: 2019358.0/30

All: 1.631 $\pm$ 0.000 χ^2 /NDF: 3952646.3/63

- sign 1.693 $\pm$ 0.000 χ^2 /NDF: 1854848.8/32

asym_dsl_mean vs Slug



Right In: -3.099 ± 36.723 $\chi^2/\text{NDF}: 16.3/15$

Left Out: 50.115 ± 33.058 $\chi^2/\text{NDF}: 19.5/14$

Right Out: -0.172 ± 36.709 $\chi^2/\text{NDF}: 13.5/17$

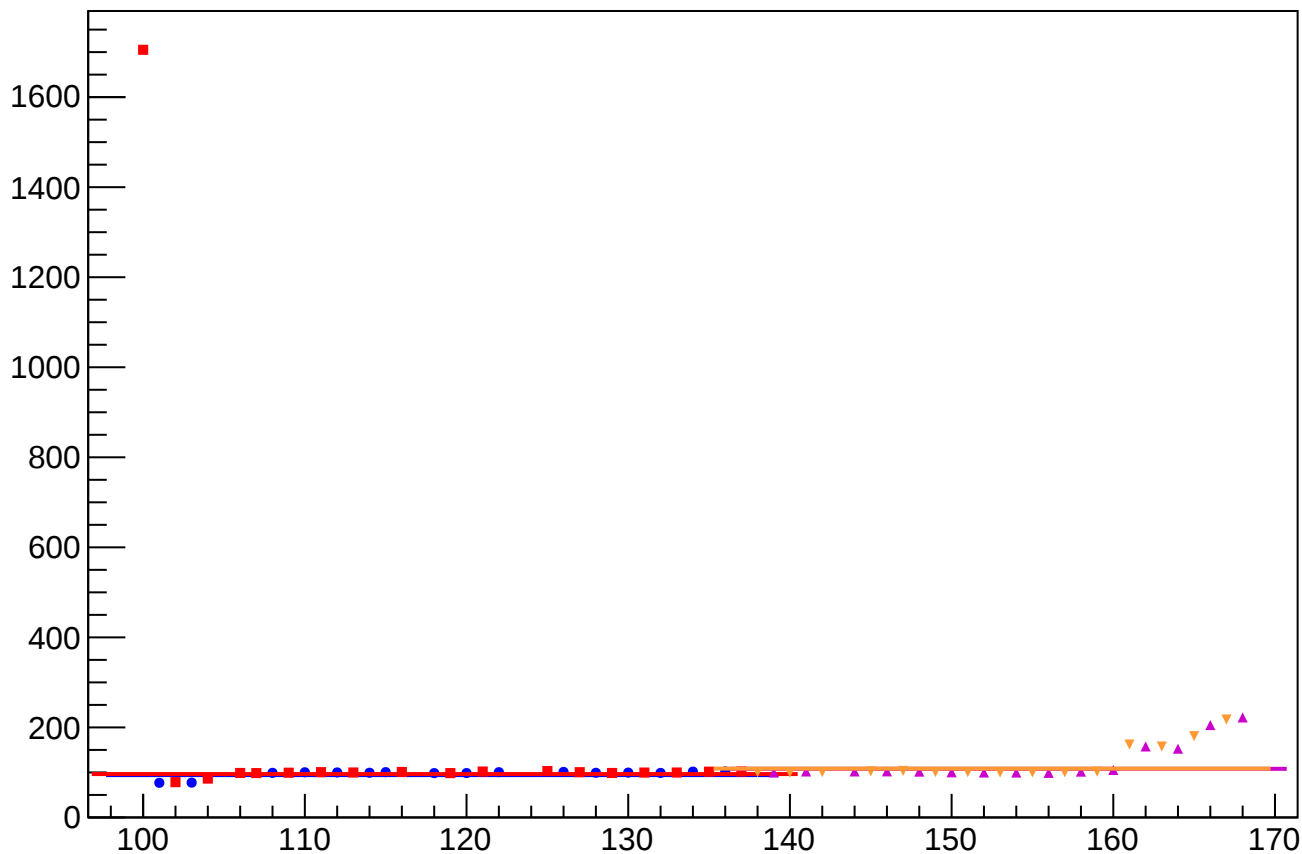
Left In: -48.887 ± 32.276 $\chi^2/\text{NDF}: 22.5/14$

+ sign 26.295 ± 24.570 $\chi^2/\text{NDF}: 37.0/30$

All: -1.041 ± 17.255 $\chi^2/\text{NDF}: 76.5/63$

- sign -27.647 ± 24.239 $\chi^2/\text{NDF}: 37.0/32$

asym_dsl_rms vs Slug



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

Left Out: 108.518+/-0.023 χ^2/NDF : 997171.7/14

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

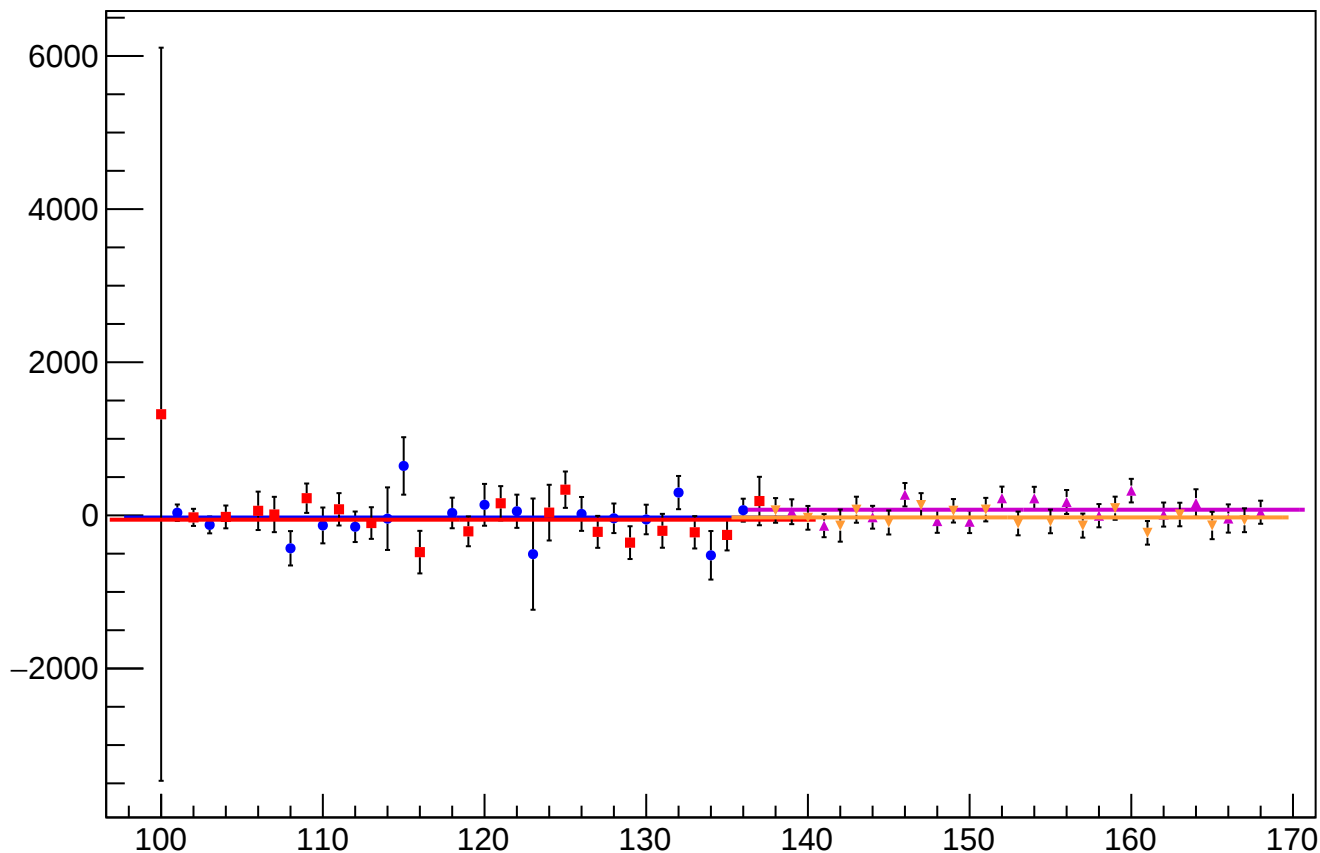
Left In: 108.007+/-0.023 χ^2/NDF : 1022177.0/14

+ sign 102.061+/-0.017 χ^2/NDF : 1319939.8/30

All: 102.505+/-0.012 χ^2/NDF : 2670923.3/63

- sign 102.938+/-0.017 χ^2/NDF : 1349691.1/32

reg_asym_dsr_mean vs Slug



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

Left Out: -26.606 ± 39.881 χ^2/NDF : 6.6/15

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

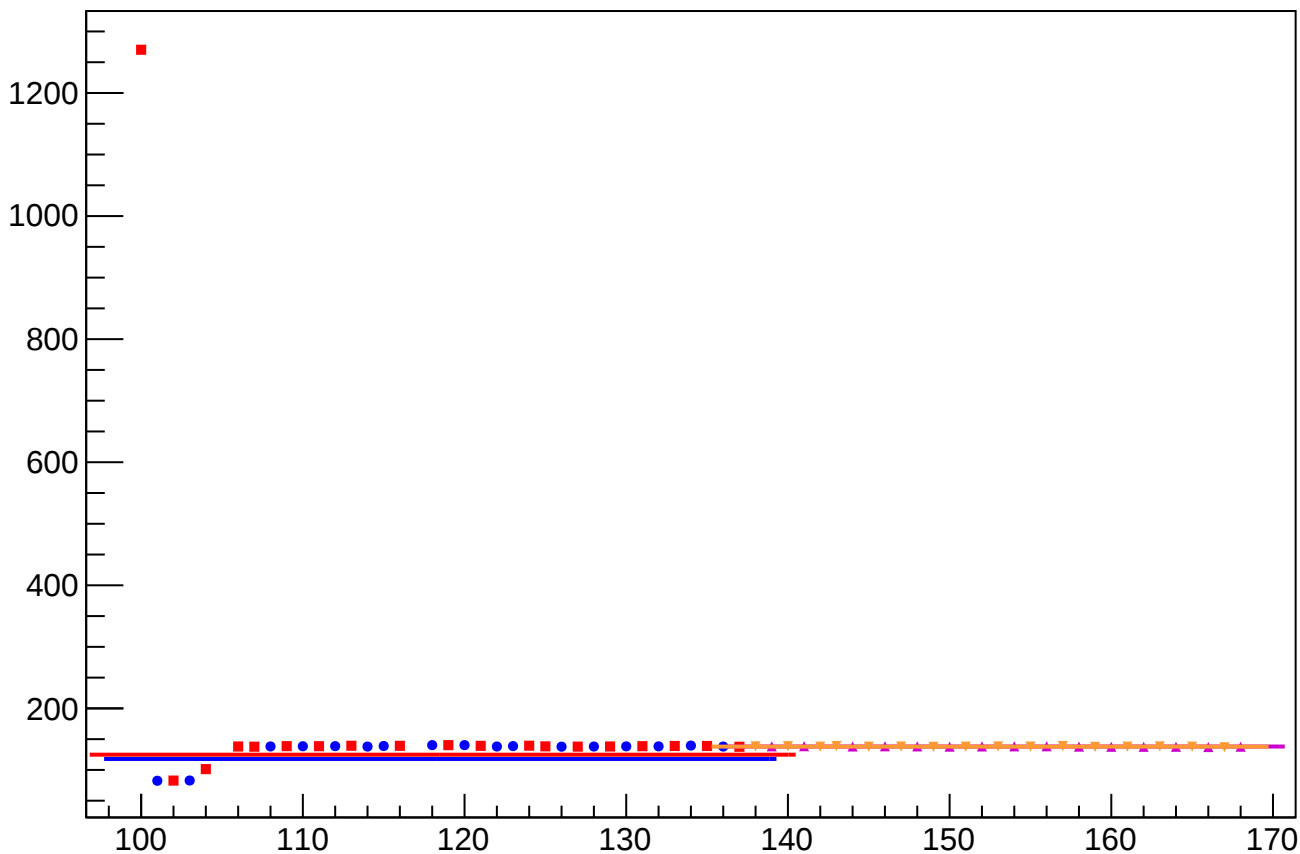
Left In: 73.878 ± 40.276 χ^2/NDF : 12.2/14

+ sign -27.125 ± 30.348 χ^2/NDF : 20.9/32

All: -4.057 ± 21.609 χ^2/NDF : 53.4/66

- sign 19.667 ± 30.776 χ^2/NDF : 31.4/33

reg_asym_dsr_rms vs Slug



Right In: 117.815+/-0.033 χ^2/NDF : 666581.7/16

Left Out: 137.938+/-0.028 χ^2/NDF : 290.3/15

Right Out: 124.763+/-0.034 χ^2/NDF : 569771.6/18

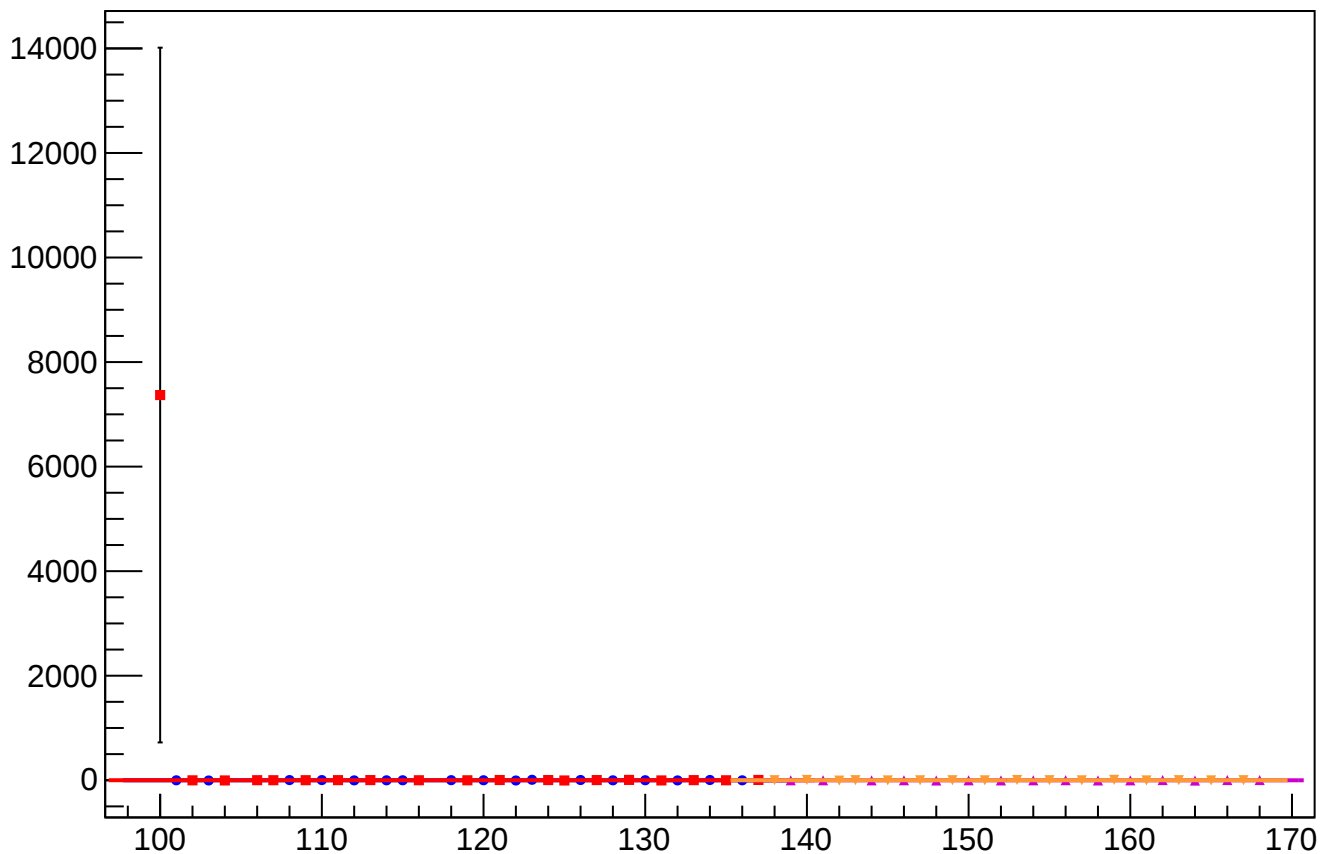
Left In: 138.032+/-0.028 χ^2/NDF : 156.6/14

+ sign 129.468+/-0.021 χ^2/NDF : 881216.2/32

All: 130.968+/-0.015 χ^2/NDF : 1551387.6/66

- sign 132.511+/-0.022 χ^2/NDF : 660258.7/33

asym_dsr_correction_mean vs Slug



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

Left Out: 0.474 ± 0.687 χ^2/NDF : 20.4/15

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

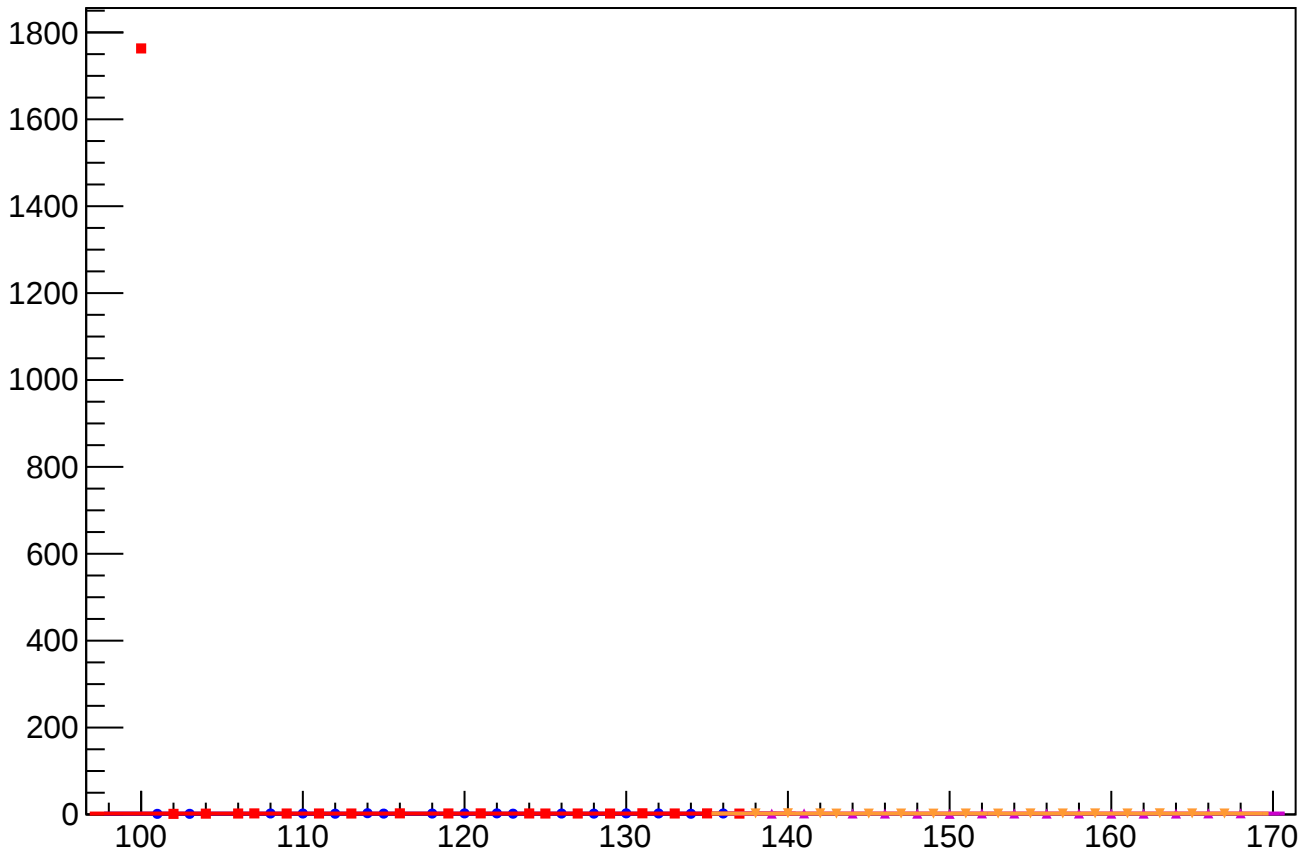
Left In: -0.728 ± 0.692 χ^2/NDF : 15.4/14

+ sign -0.015 ± 0.524 χ^2/NDF : 34.3/32

All: -0.096 ± 0.375 χ^2/NDF : 64.9/66

- sign -0.180 ± 0.537 χ^2/NDF : 30.6/33

asym_dsr_correction_rms vs Slug



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

Left Out: 2.180 $\pm$ 0.000 χ^2 /NDF: 213179.5/15

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

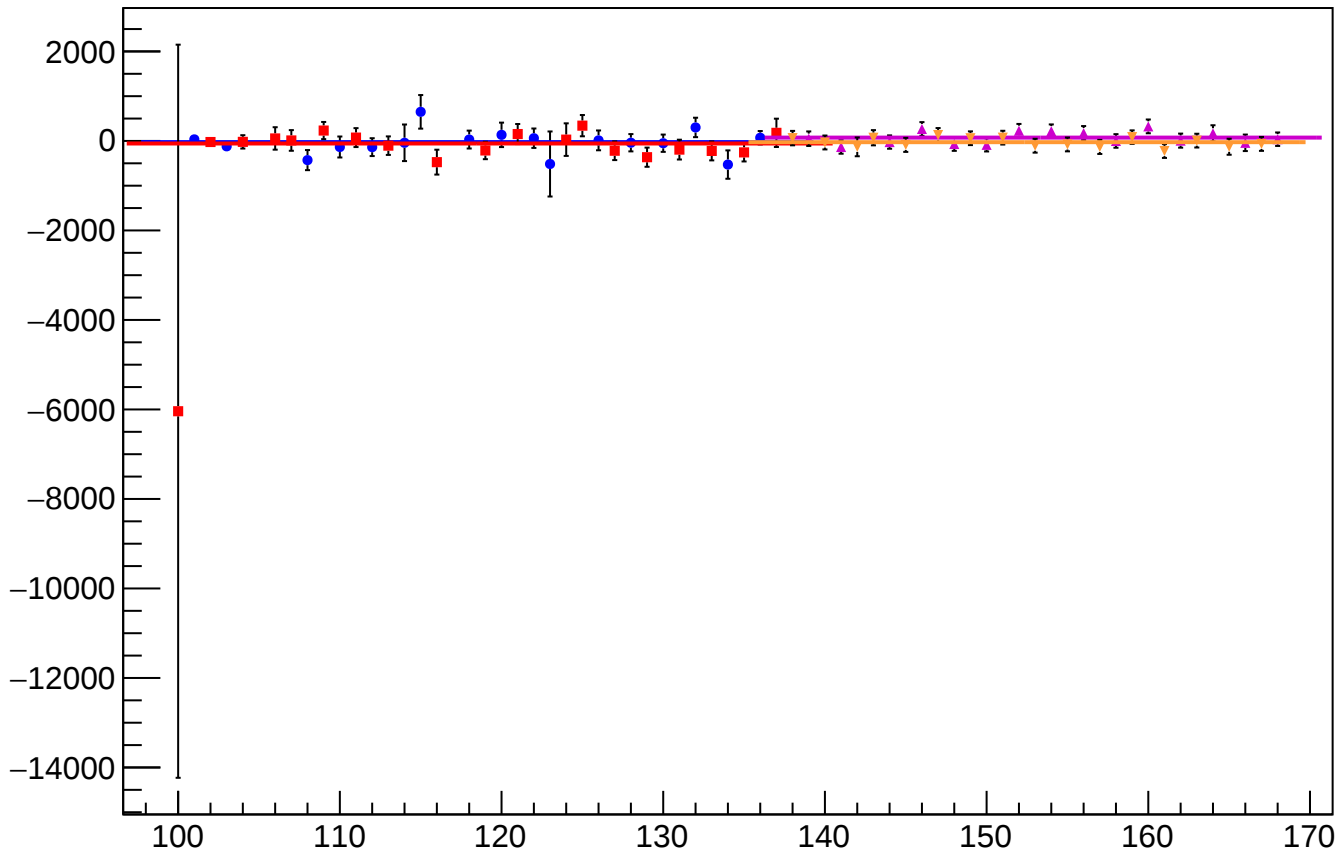
Left In: 2.131 $\pm$ 0.000 χ^2 /NDF: 365955.2/14

+ sign 2.050 $\pm$ 0.000 χ^2 /NDF: 877920.8/32

All: 2.077 $\pm$ 0.000 χ^2 /NDF: 1787158.3/66

- sign 2.105 $\pm$ 0.000 χ^2 /NDF: 898638.7/33

asym_dsr_mean vs Slug



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

Left Out: -27.757 ± 39.891 χ^2/NDF : 6.3/15

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

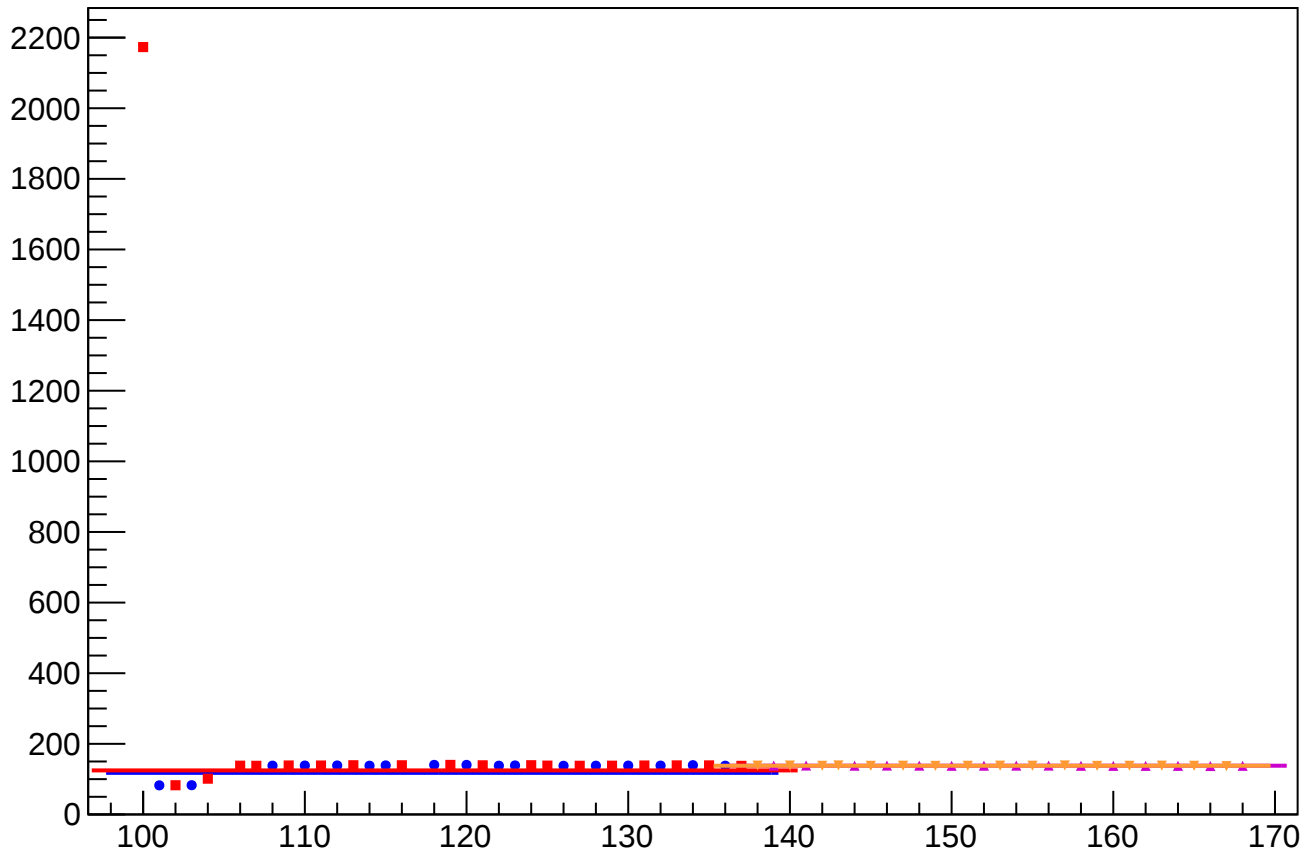
Left In: 74.328 ± 40.287 χ^2/NDF : 12.2/14

+ sign -27.126 ± 30.356 χ^2/NDF : 20.7/32

All: -4.106 ± 21.615 χ^2/NDF : 54.0/66

- sign 19.569 ± 30.784 χ^2/NDF : 32.2/33

asym_dsr_rms vs Slug



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

Left Out: 137.975 $\pm$ 0.028 χ^2 /NDF: 290.0/15

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

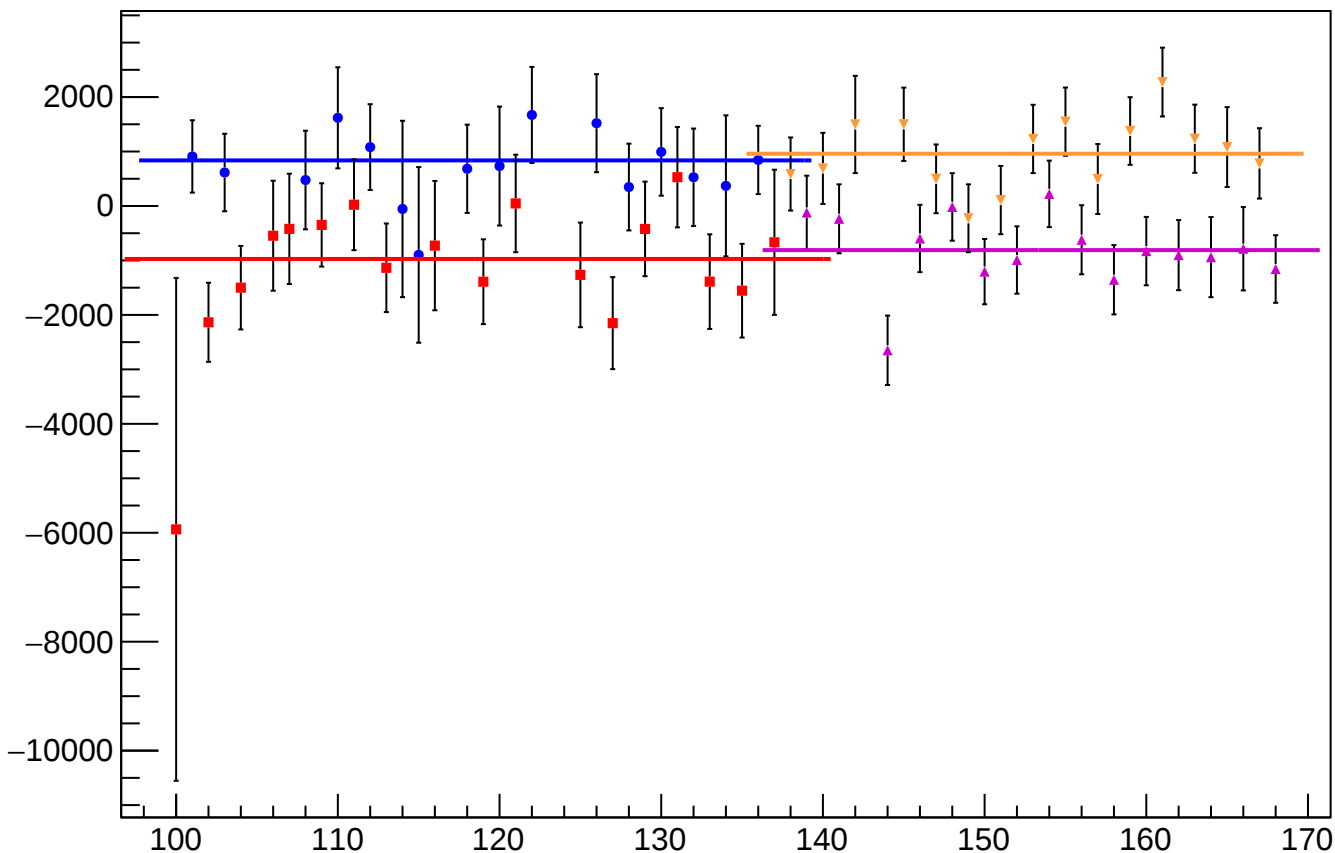
Left In: 138.071 $\pm$ 0.028 χ^2 /NDF: 154.9/14

+ sign 129.502 $\pm$ 0.021 χ^2 /NDF: 881234.8/32

All: 130.994 $\pm$ 0.015 χ^2 /NDF: 1562487.5/66

- sign 132.529 $\pm$ 0.022 χ^2 /NDF: 671453.3/33

reg_asym_left_avg_mean vs Slug



Right In: 837.048 ± 216.181 χ^2/NDF : 4.7/15

Left Out: 959.216 ± 168.816 χ^2/NDF : 14.2/14

Right Out: -972.425 ± 212.746 χ^2/NDF : 14.3/17

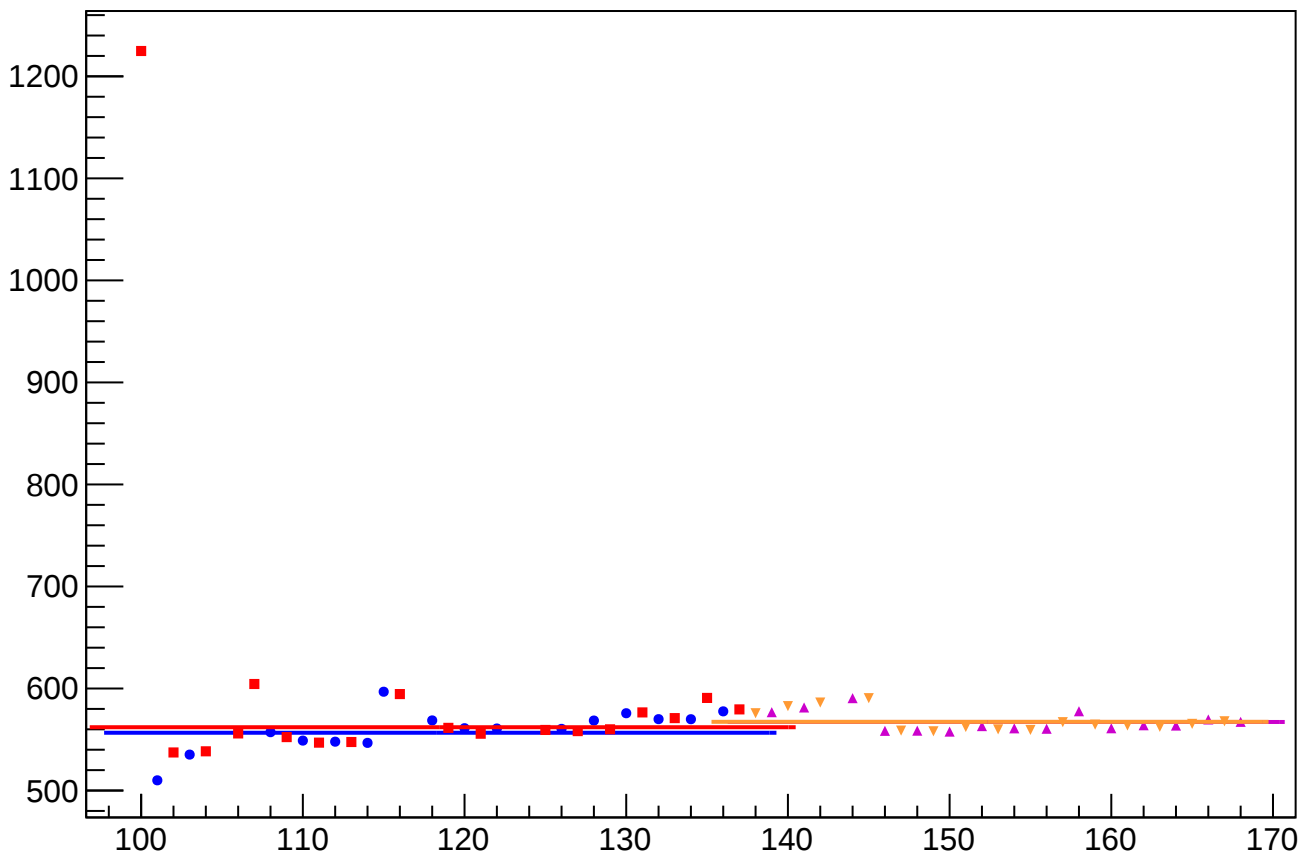
Left In: -810.215 ± 165.515 χ^2/NDF : 16.5/14

+ sign 912.938 ± 133.054 χ^2/NDF : 19.1/30

All: 4.423 ± 93.217 χ^2/NDF : 141.8/63

- sign -871.377 ± 130.636 χ^2/NDF : 31.1/32

reg_asym_left_avg_rms vs Slug



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

Left Out: 567.344 $\pm$ 0.119 χ^2 /NDF: 6485.9/14

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

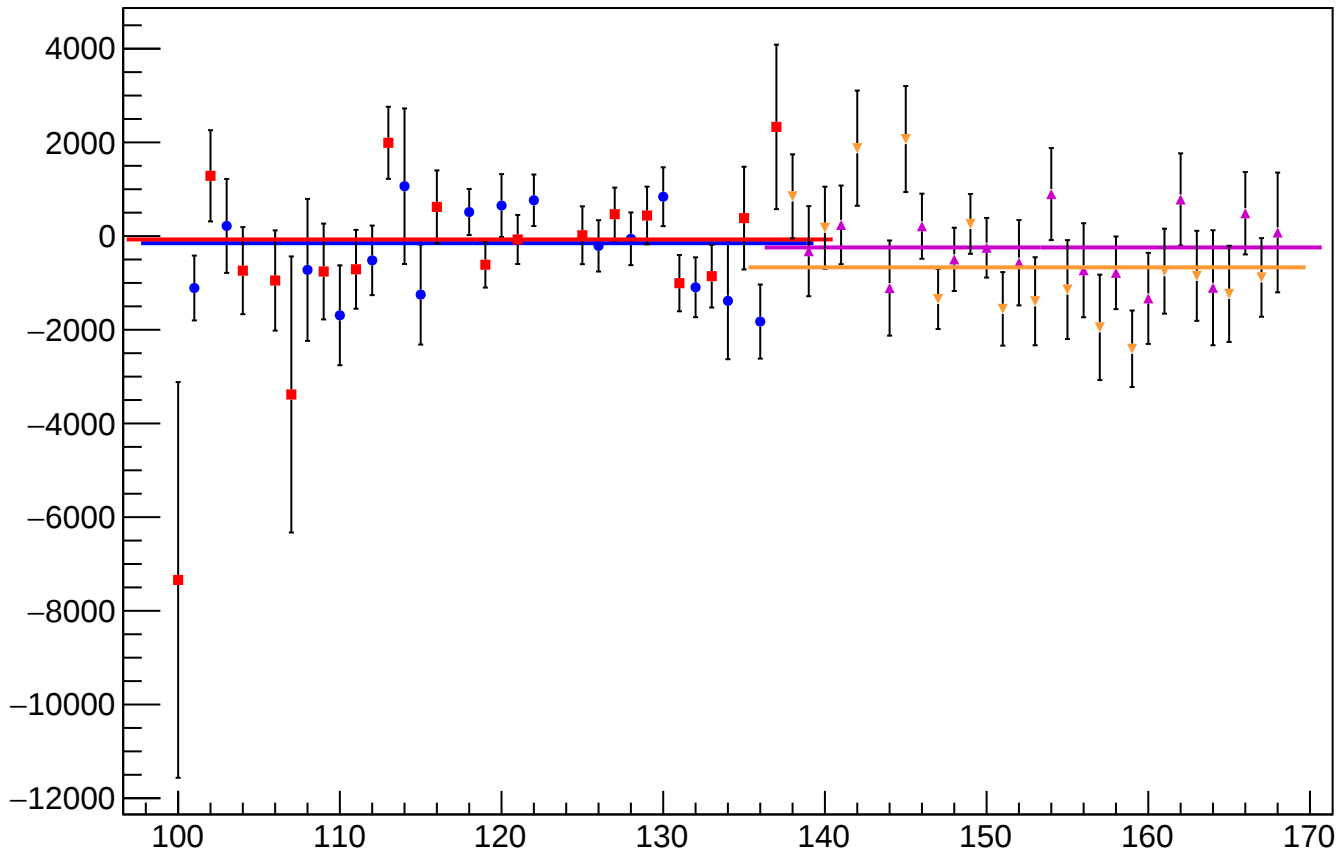
Left In: 567.194 $\pm$ 0.117 χ^2 /NDF: 6729.7/14

+ sign 563.288 $\pm$ 0.094 χ^2 /NDF: 27925.0/30

All: 564.289 $\pm$ 0.066 χ^2 /NDF: 91181.4/63

- sign 565.254 $\pm$ 0.092 χ^2 /NDF: 63034.1/32

asym_left_avg_correction_mean vs Slug



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

Left Out: -667.398 ± 226.597 χ^2/NDF : 25.5/14

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

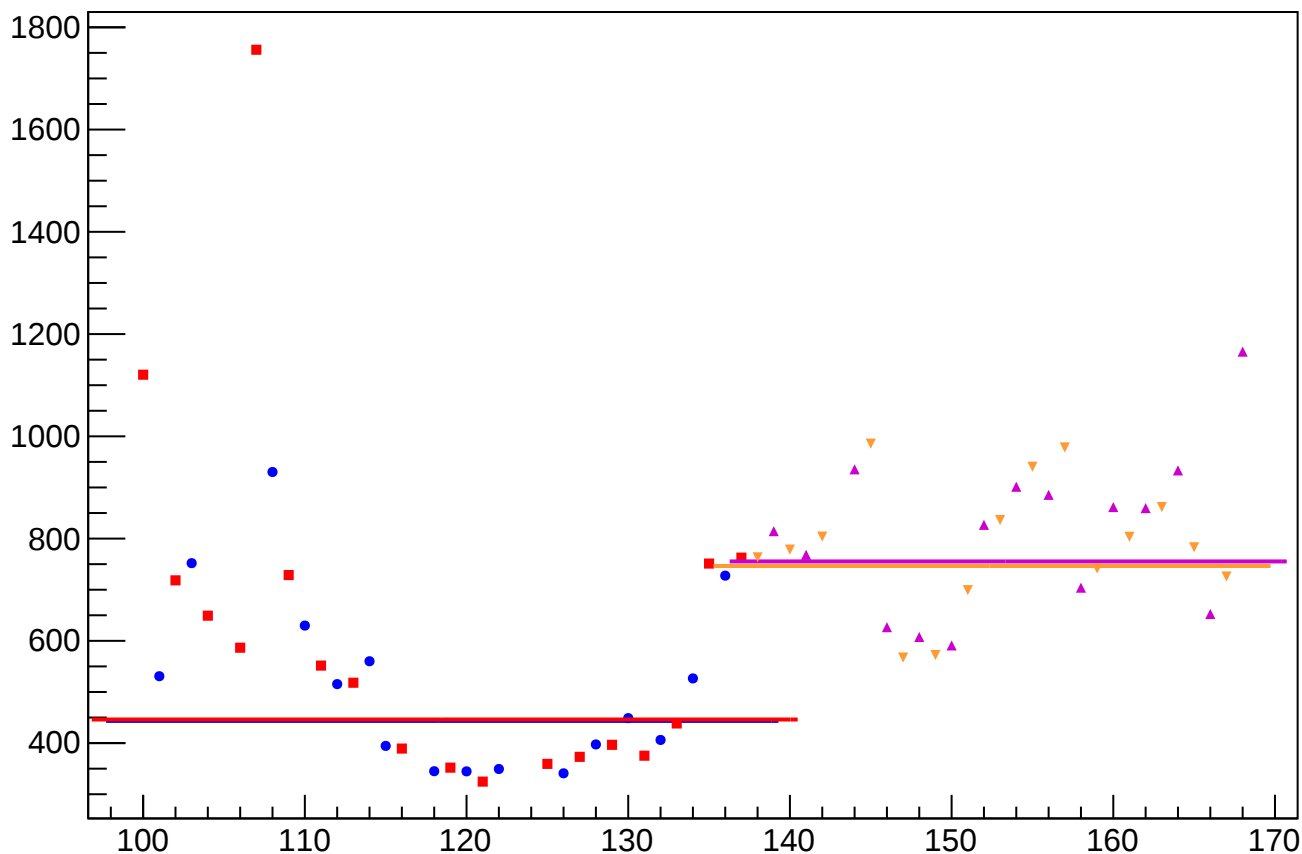
Left In: -242.591 ± 224.997 χ^2/NDF : 7.4/14

+ sign -351.429 ± 140.981 χ^2/NDF : 50.9/30

All: -243.817 ± 99.310 χ^2/NDF : 84.9/63

- sign -137.823 ± 139.917 χ^2/NDF : 32.8/32

asym_left_avg_correction_rms vs Slug



Right In: 443.451 $\pm$ 0.127 χ^2 /NDF: 1060940.9/15

Left Out: 746.447 $\pm$ 0.160 χ^2 /NDF: 620319.7/14

Right Out: 446.147 $\pm$ 0.126 χ^2 /NDF: 1459986.4/17

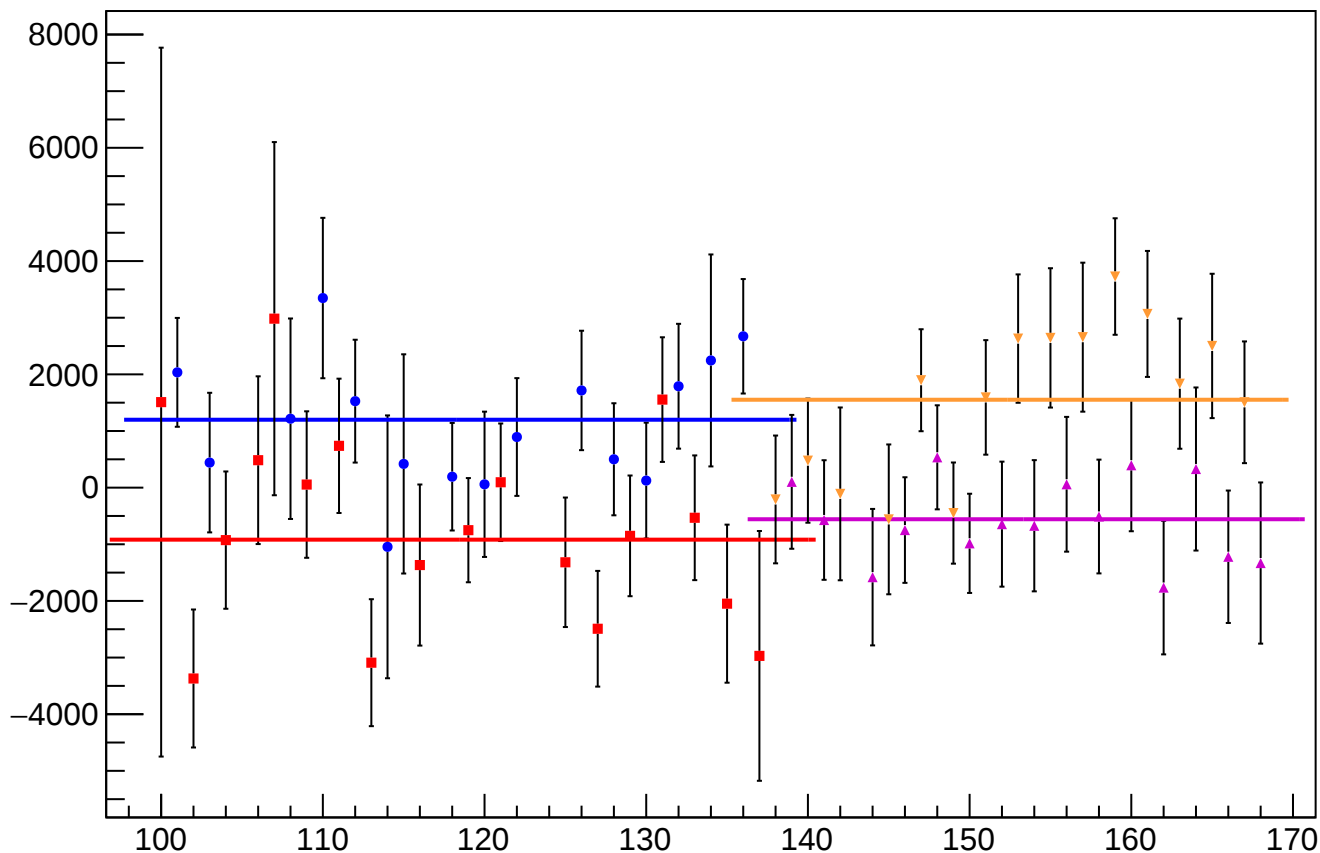
Left In: 755.317 $\pm$ 0.159 χ^2 /NDF: 789253.9/14

+ sign 560.737 $\pm$ 0.100 χ^2 /NDF: 3873013.5/30

All: 563.241 $\pm$ 0.070 χ^2 /NDF: 8439494.8/63

- sign 565.708 $\pm$ 0.099 χ^2 /NDF: 4565228.7/32

asym_left_avg_mean vs Slug



Right In: 1198.972 $\pm$ 295.243 χ^2/NDF : 11.2/15

Left Out: -918.412 $\pm$ 293.294 χ^2/NDF : 23.2/17

Right Out: -557.872 $\pm$ 284.316 χ^2/NDF : 5.7/14

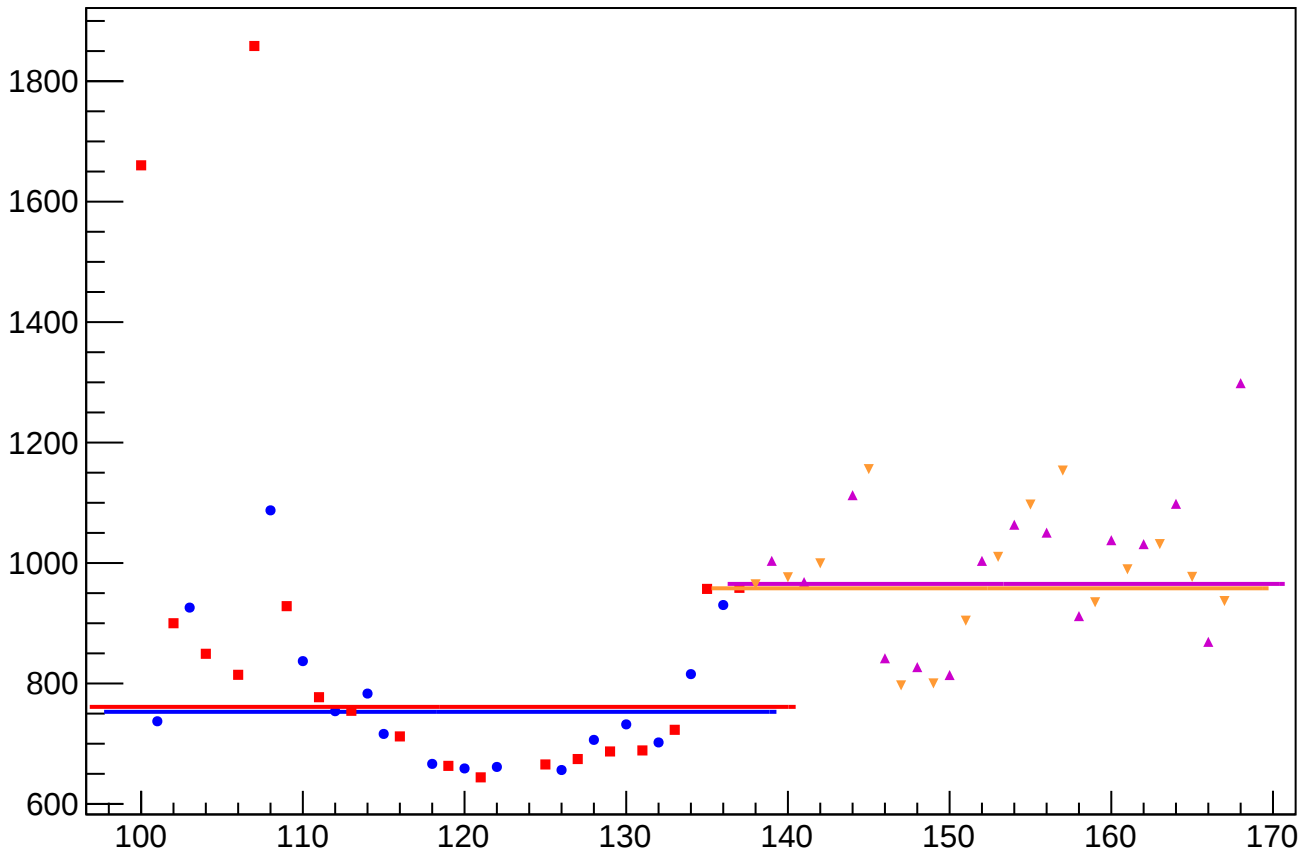
Left In: 1198.972 $\pm$ 295.243 χ^2/NDF : 11.2/15

+ sign 1551.877 $\pm$ 287.526 χ^2/NDF : 21.7/14

- sign -918.412 $\pm$ 293.294 χ^2/NDF : 23.2/17

All: 314.282 $\pm$ 144.998 χ^2/NDF : 116.4/63

asym_left_avg_rms vs Slug



Right In: 752.937 $\pm$ 0.209 χ^2 /NDF: 252526.4/15

Left Out: 958.024 $\pm$ 0.203 χ^2 /NDF: 265169.5/14

Right Out: 761.160 $\pm$ 0.207 χ^2 /NDF: 517136.7/17

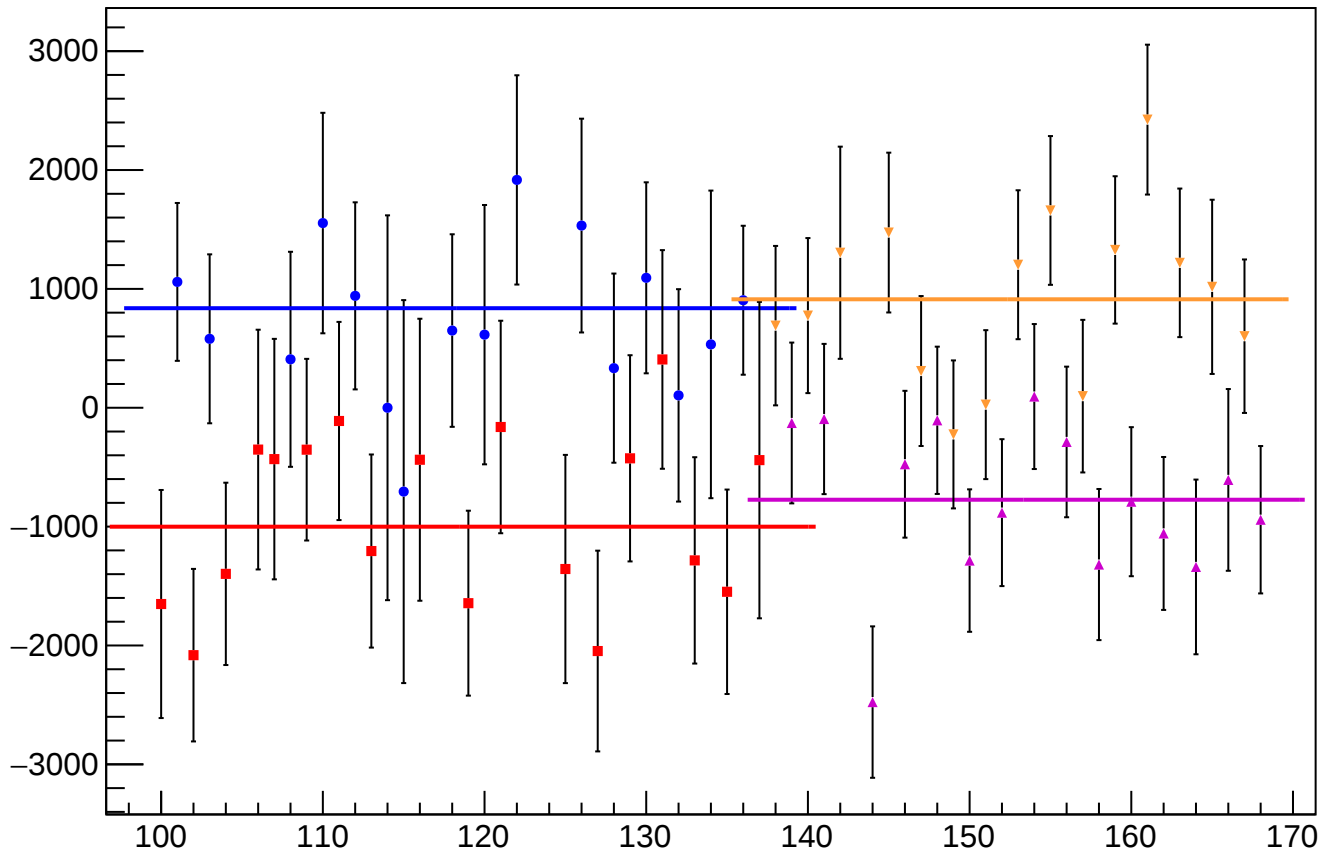
Left In: 965.329 $\pm$ 0.201 χ^2 /NDF: 359146.6/14

+ sign 858.196 $\pm$ 0.146 χ^2 /NDF: 1012993.4/30

All: 862.344 $\pm$ 0.103 χ^2 /NDF: 2390529.4/63

- sign 866.417 $\pm$ 0.144 χ^2 /NDF: 1375928.8/32

reg_asym_left_dd_mean vs Slug



Right In: 837.557 $\pm$ 216.015 χ^2 /NDF: 5.7/15

Left Out: 912.485 $\pm$ 168.669 χ^2 /NDF:17.2/14

Right Out: -1000.617 $\pm$ 207.748 χ^2 /NDF: 12.5/17

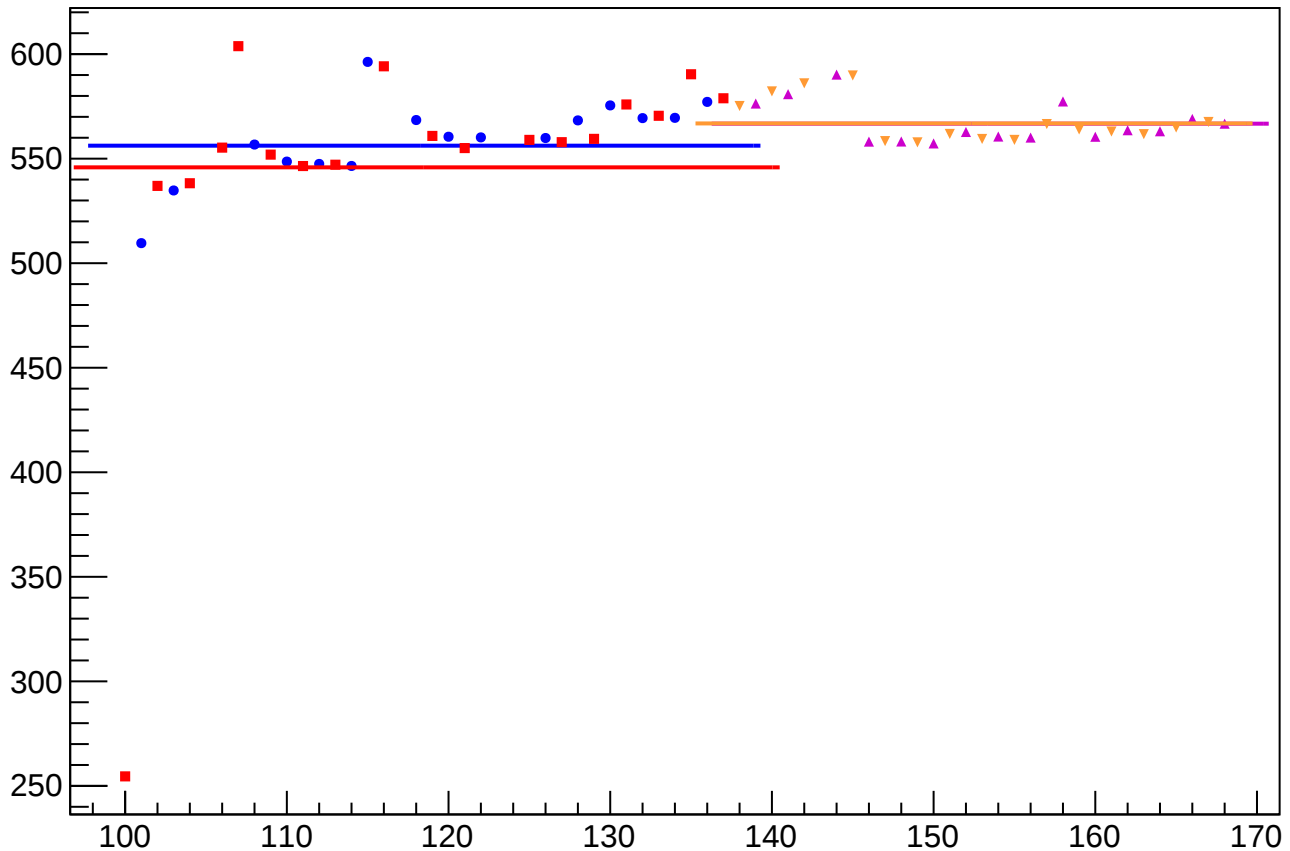
Left In: -773.826 $\pm$ 165.379 χ^2 /NDF:15.6/14

+ sign 884.106 $\pm$ 132.943 χ^2 /NDF: 23.0/30

All: -12.503 $\pm$ 92.722 χ^2 /NDF: 140.5/63

- sign -861.797 $\pm$ 129.388 χ^2 /NDF: 28.9/32

reg_asym_left_dd_rms vs Slug



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

Left Out: 566.849 $\pm$ 0.119 χ^2 /NDF: 6443.8/14

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

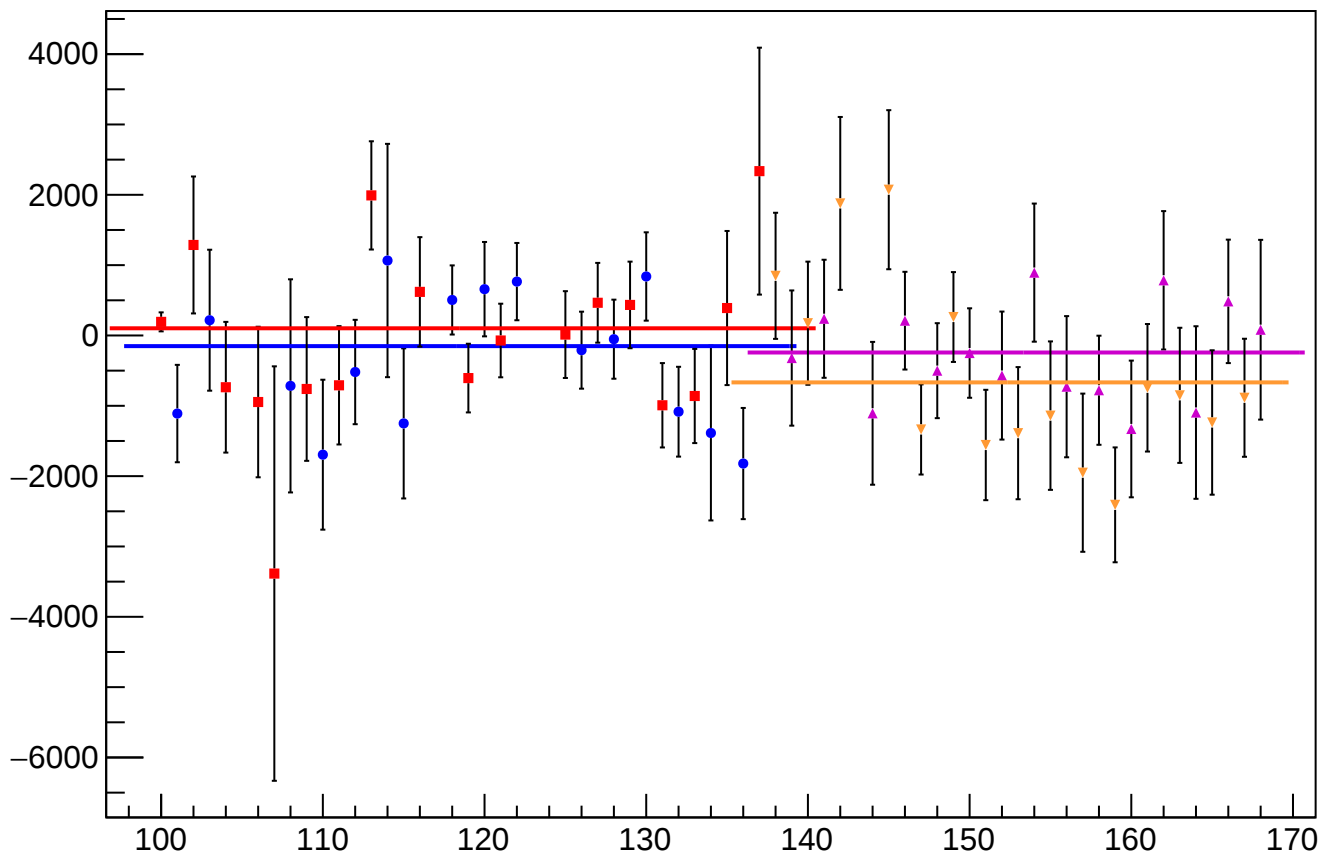
Left In: 566.728 $\pm$ 0.117 χ^2 /NDF: 6759.2/14

+ sign 562.820 $\pm$ 0.094 χ^2 /NDF: 27875.0/30

All: 560.667 $\pm$ 0.066 χ^2 /NDF: 255666.6/63

- sign 558.628 $\pm$ 0.091 χ^2 /NDF: 226770.4/32

asym_left_dd_correction_mean vs Slug



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

Left Out: -667.088+/-226.494 χ^2/NDF : 25.5/14

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

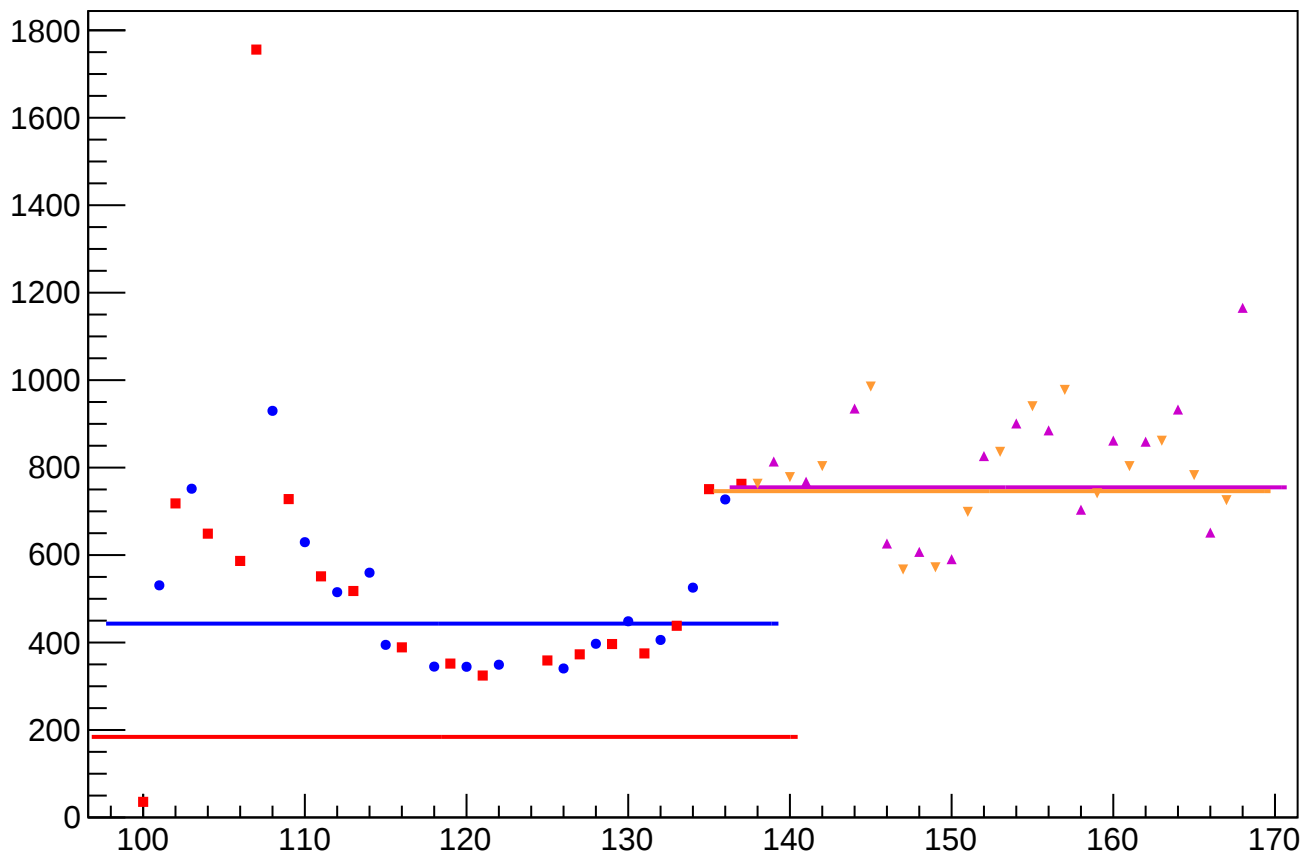
Left In: -242.128+/-224.870 χ^2/NDF : 7.4/14

+ sign -351.046+/-140.914 χ^2/NDF : 50.9/30

All: -87.426+/-79.978 χ^2/NDF : 88.6/63

- sign 37.848+/-97.139 χ^2/NDF : 32.5/32

asym_left_dd_correction_rms vs Slug



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

Left Out: 746.110+/-0.160 χ^2/NDF : 620774.1/14

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

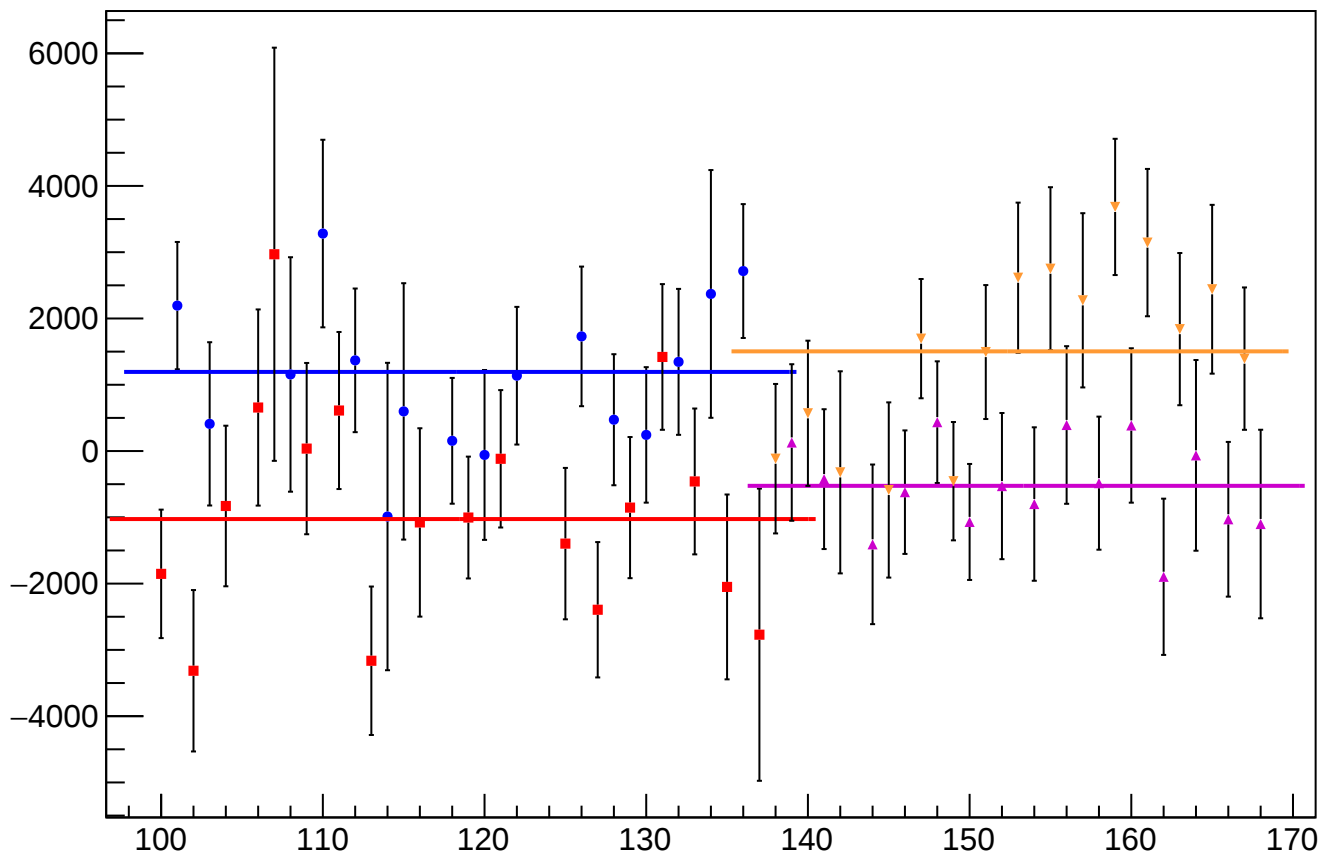
Left In: 754.878+/-0.159 χ^2/NDF : 790161.1/14

+ sign 560.473+/-0.100 χ^2/NDF : 3873533.3/30

All: 377.605+/-0.057 χ^2/NDF : 28189022.1/63

- sign 290.704+/-0.069 χ^2/NDF : 19346670.7/32

asym_left_dd_mean vs Slug



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

Left Out: 1503.938 $\pm$ 287.354 χ^2 /NDF:21.2/14

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

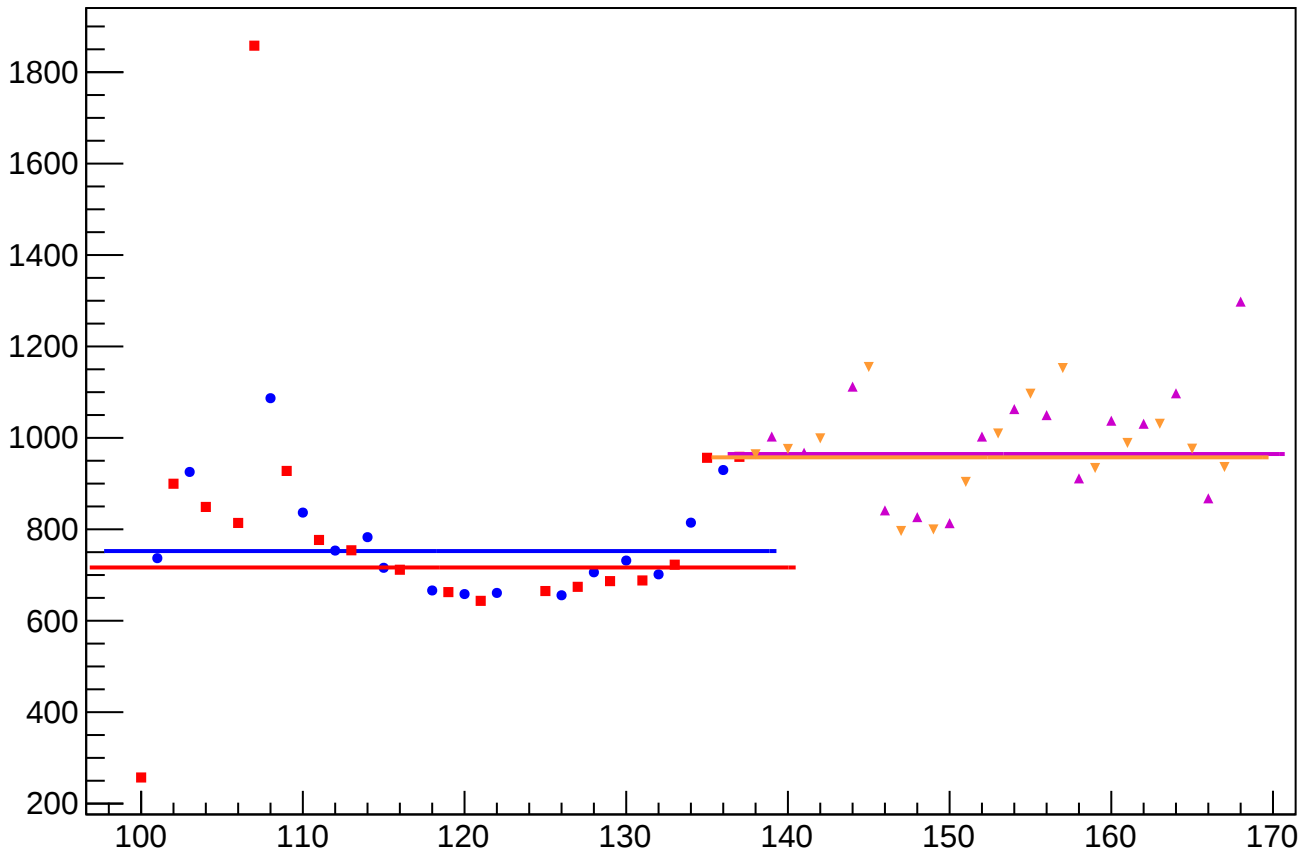
Left In: -524.793 $\pm$ 284.135 χ^2 /NDF:5.4/14

+ sign 1352.988 $\pm$ 205.856 χ^2 /NDF: 33.0/30

All: 255.121 $\pm$ 143.348 χ^2 /NDF: 117.7/63

- sign -778.401 $\pm$ 199.732 χ^2 /NDF: 29.5/32

asym_left_dd_rms vs Slug



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

Left Out: 957.457+/-0.203 χ^2/NDF : 265109.6/14

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

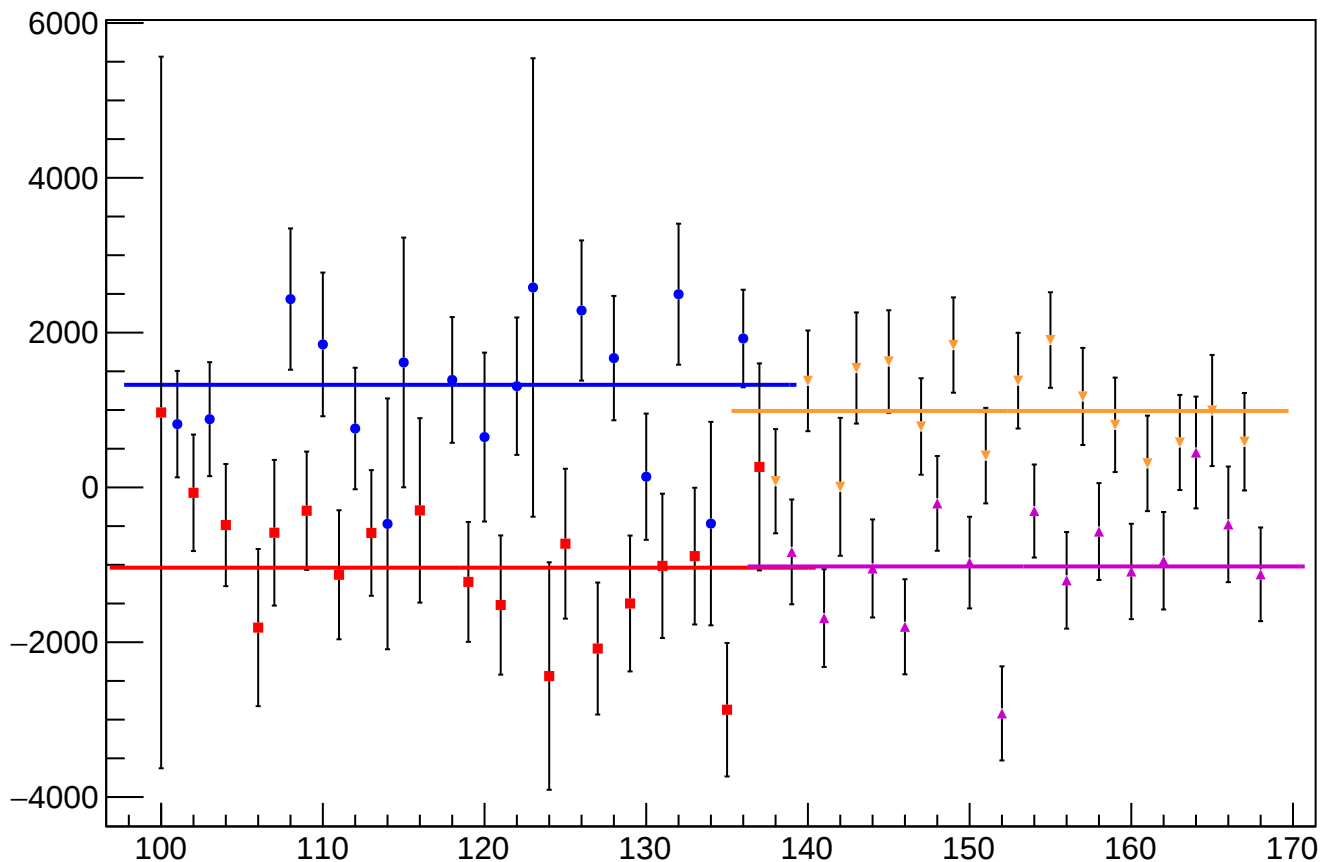
Left In: 964.700+/-0.201 χ^2/NDF : 359643.0/14

+ sign 857.650+/-0.146 χ^2/NDF : 1013458.9/30

All: 848.124+/-0.101 χ^2/NDF : 3120215.6/63

- sign 839.156+/-0.141 χ^2/NDF : 2098441.6/32

reg_asym_right_avg_mean vs Slug



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

Left Out: 987.980 $\pm$ 162.030 χ^2 /NDF:12.6/15

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

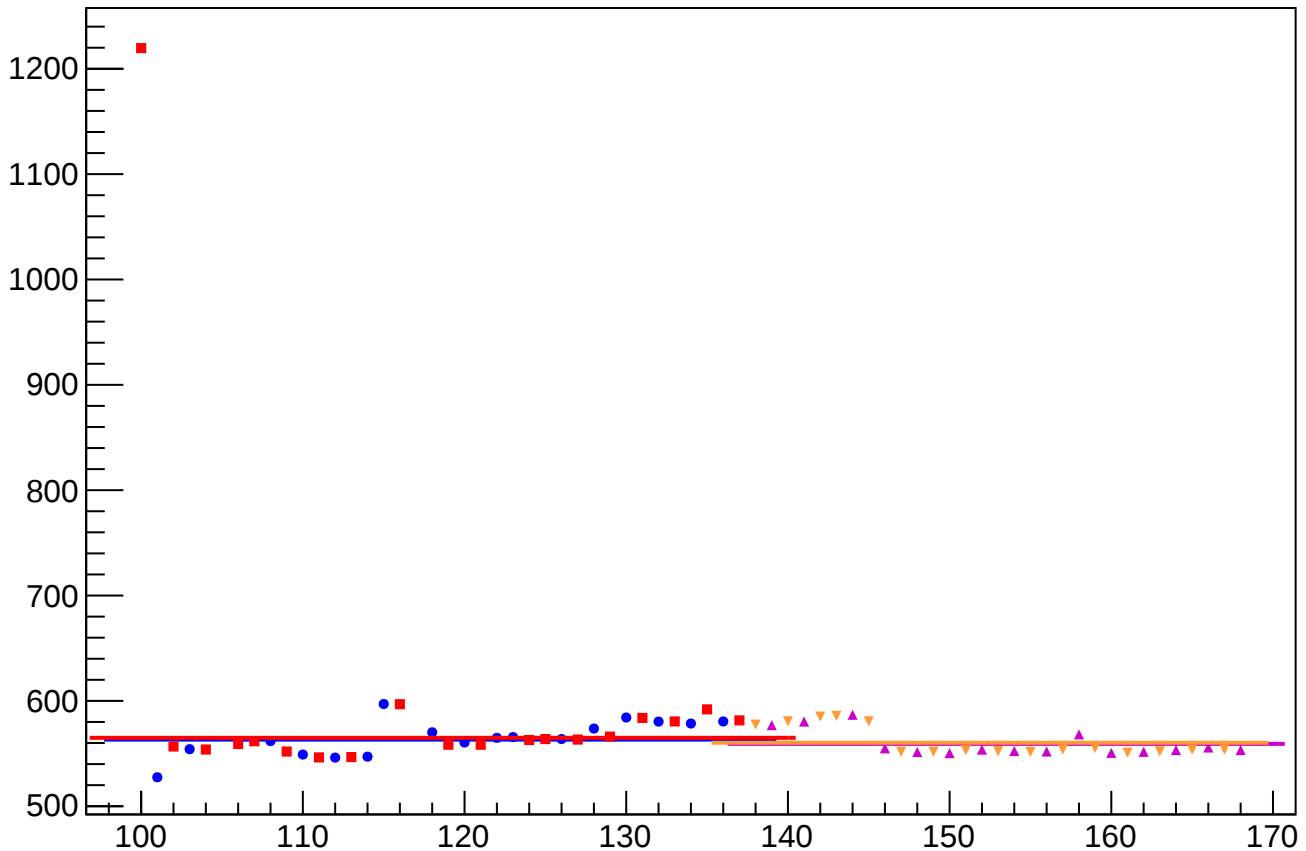
Left In: -1021.018 $\pm$ 163.194 χ^2 /NDF:21.1/14

+ sign 1108.110 $\pm$ 130.066 χ^2 /NDF: 27.1/32

All: 33.608 $\pm$ 91.671 χ^2 /NDF: 197.2/66

- sign -1026.990 $\pm$ 129.222 χ^2 /NDF: 34.5/33

reg_asym_right_avg_rms vs Slug



Right In: 563.266+/-0.154 χ^2/NDF : 12520.3/16

Left Out: 560.284+/-0.115 χ^2/NDF : 12534.5/15

Right Out: 564.944+/-0.150 χ^2/NDF : 49295.9/18

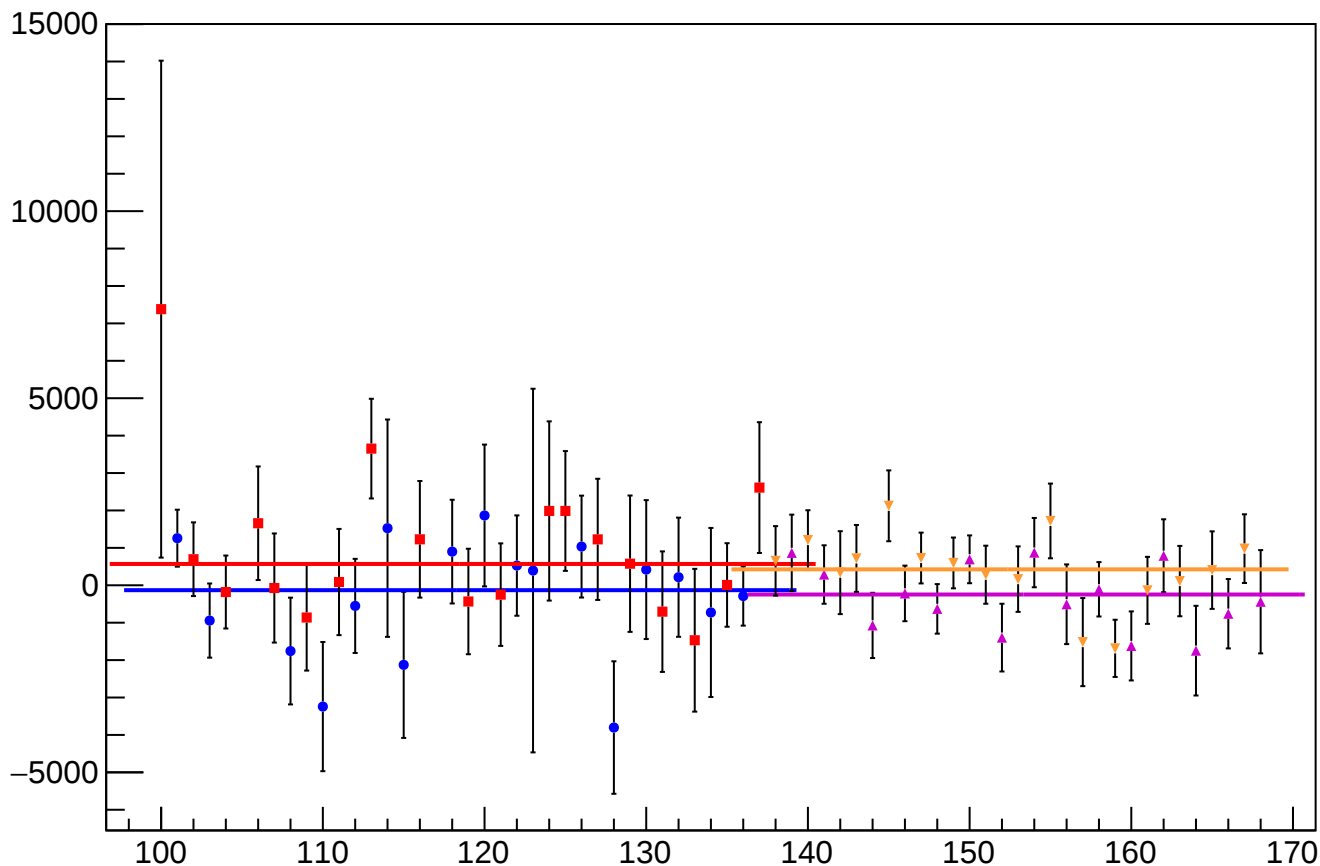
Left In: 559.197+/-0.115 χ^2/NDF : 10425.7/14

+ sign 561.344+/-0.092 χ^2/NDF : 25295.7/32

All: 561.342+/-0.065 χ^2/NDF : 85942.5/66

- sign 561.341+/-0.091 χ^2/NDF : 60646.8/33

asym_right_avg_correction_mean vs Slug



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

Left Out: 425.582+/-217.429 χ^2/NDF : 17.6/15

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

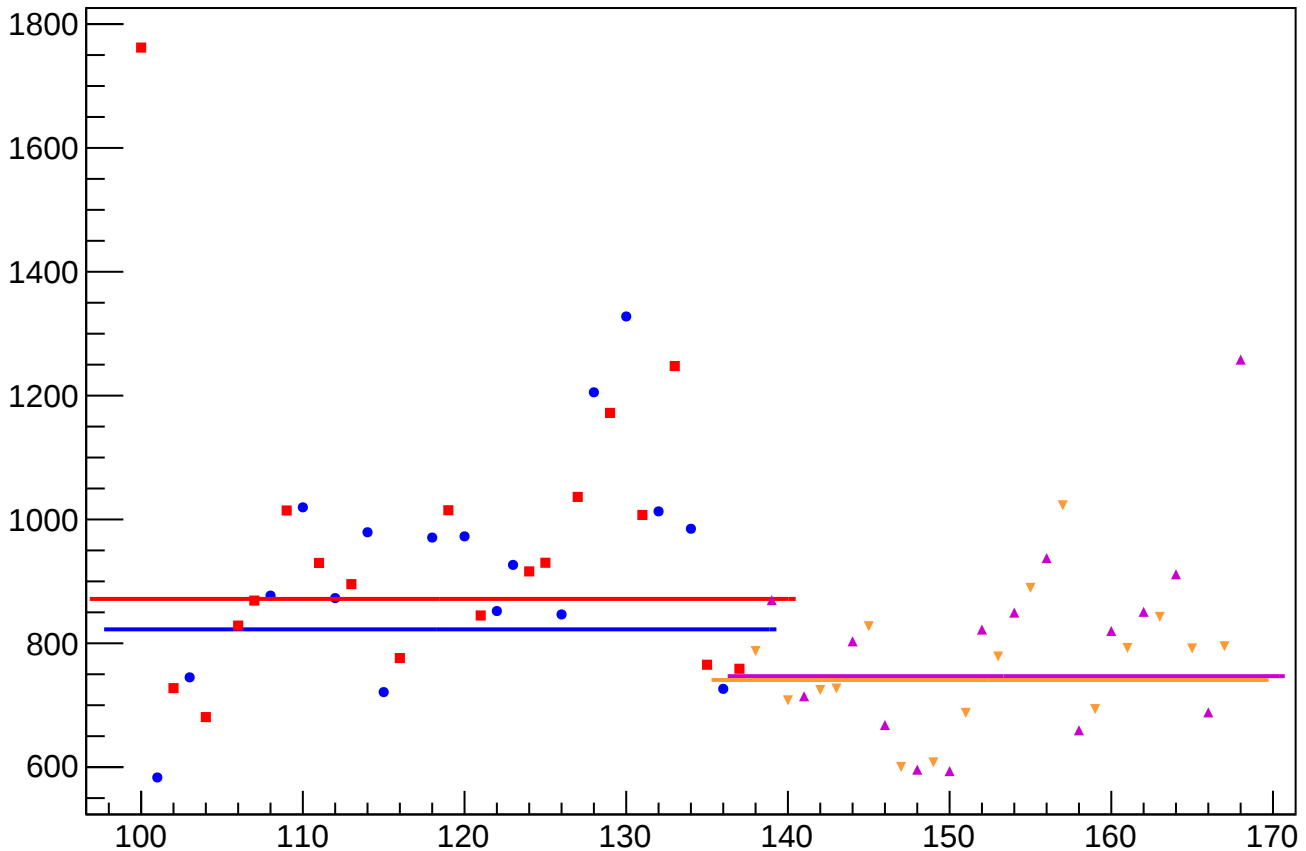
Left In: -246.645+/-222.356 χ^2/NDF : 13.5/14

+ sign 255.342+/-181.157 χ^2/NDF : 36.9/32

All: 133.049+/-129.372 χ^2/NDF : 70.0/66

- sign 5.764+/-184.818 χ^2/NDF : 32.2/33

asym_right_avg_correction_rms vs Slug



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

Left Out: 740.768 ± 0.154 χ^2/NDF : 410541.2/15

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

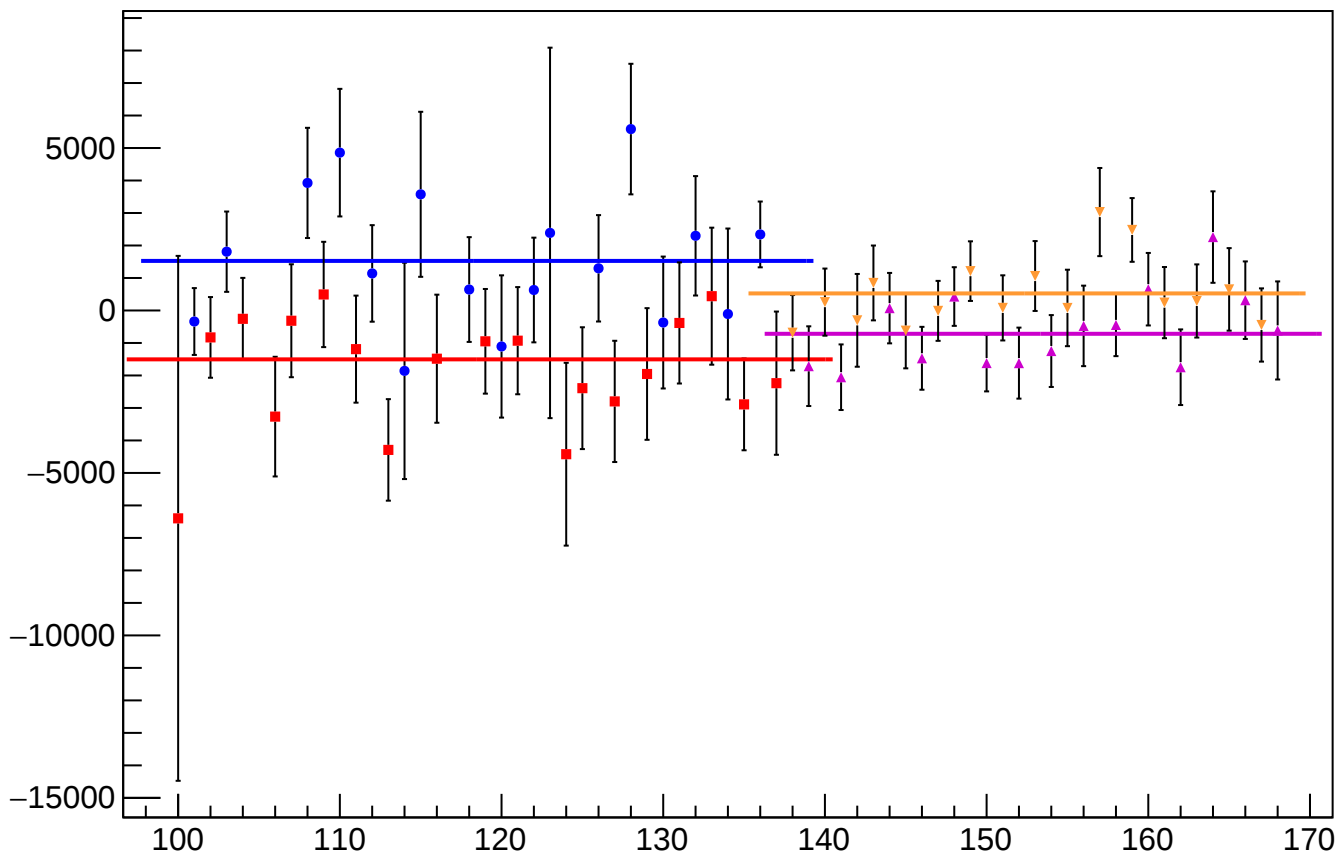
Left In: 746.925 ± 0.157 χ^2/NDF : 768981.7/14

+ sign 765.771 ± 0.128 χ^2/NDF : 1097977.5/32

All: 775.434 ± 0.091 χ^2/NDF : 2480054.4/66

- sign 785.491 ± 0.131 χ^2/NDF : 1370464.4/33

asym_right_avg_mean vs Slug



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

Left Out: 524.892 ± 274.944 χ^2/NDF : 12.3/15

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

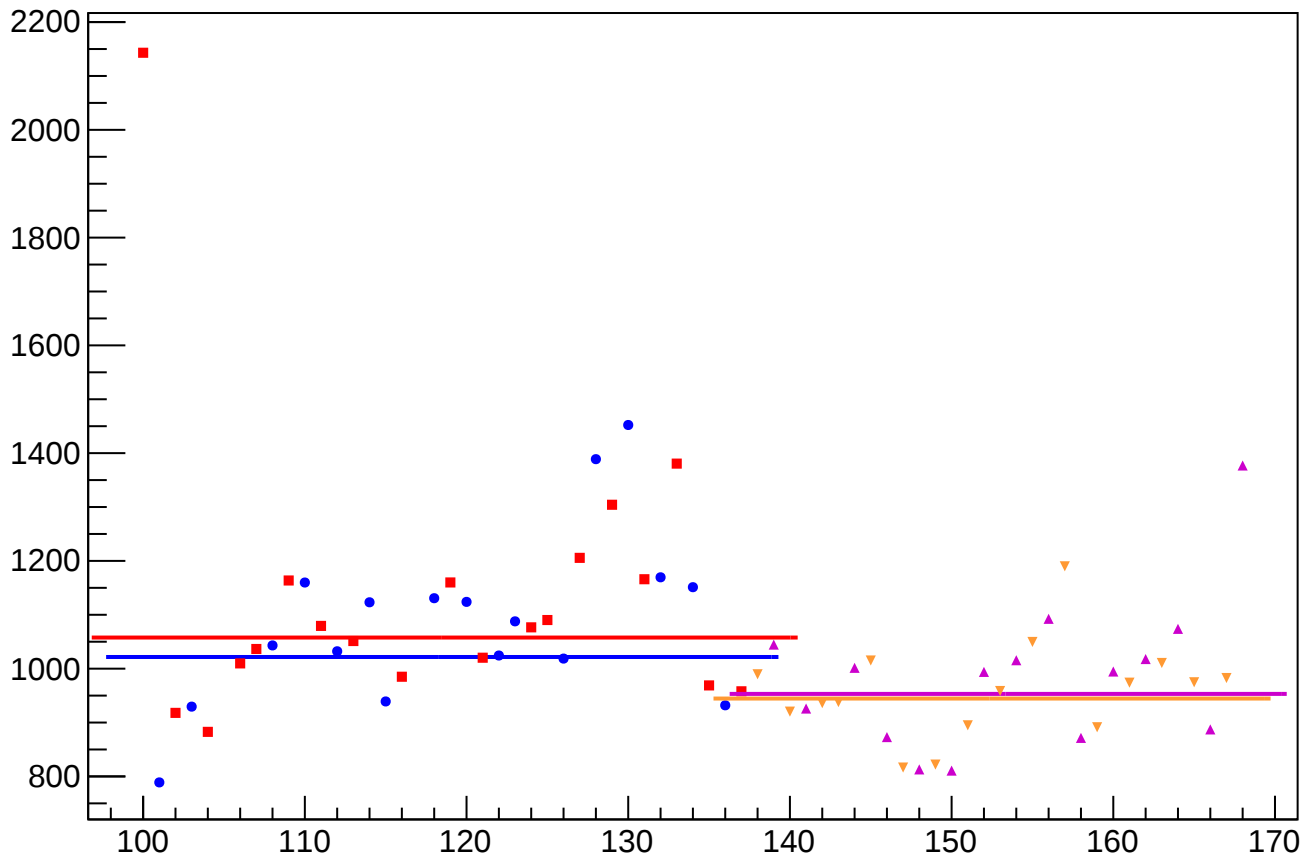
Left In: -717.665 ± 280.749 χ^2/NDF : 14.8/14

+ sign 844.007 ± 226.903 χ^2/NDF : 34.7/32

All: -55.174 ± 161.455 χ^2/NDF : 96.0/66

- sign -977.362 ± 229.788 χ^2/NDF : 29.5/33

asym_right_avg_rms vs Slug



Right In: 1021.665+/-0.284 χ^2/NDF : 331949.3/16

Left Out: 944.540+/-0.194 χ^2/NDF :190187.5/15

Right Out: 1057.748+/-0.283 χ^2/NDF : 230944.1/18

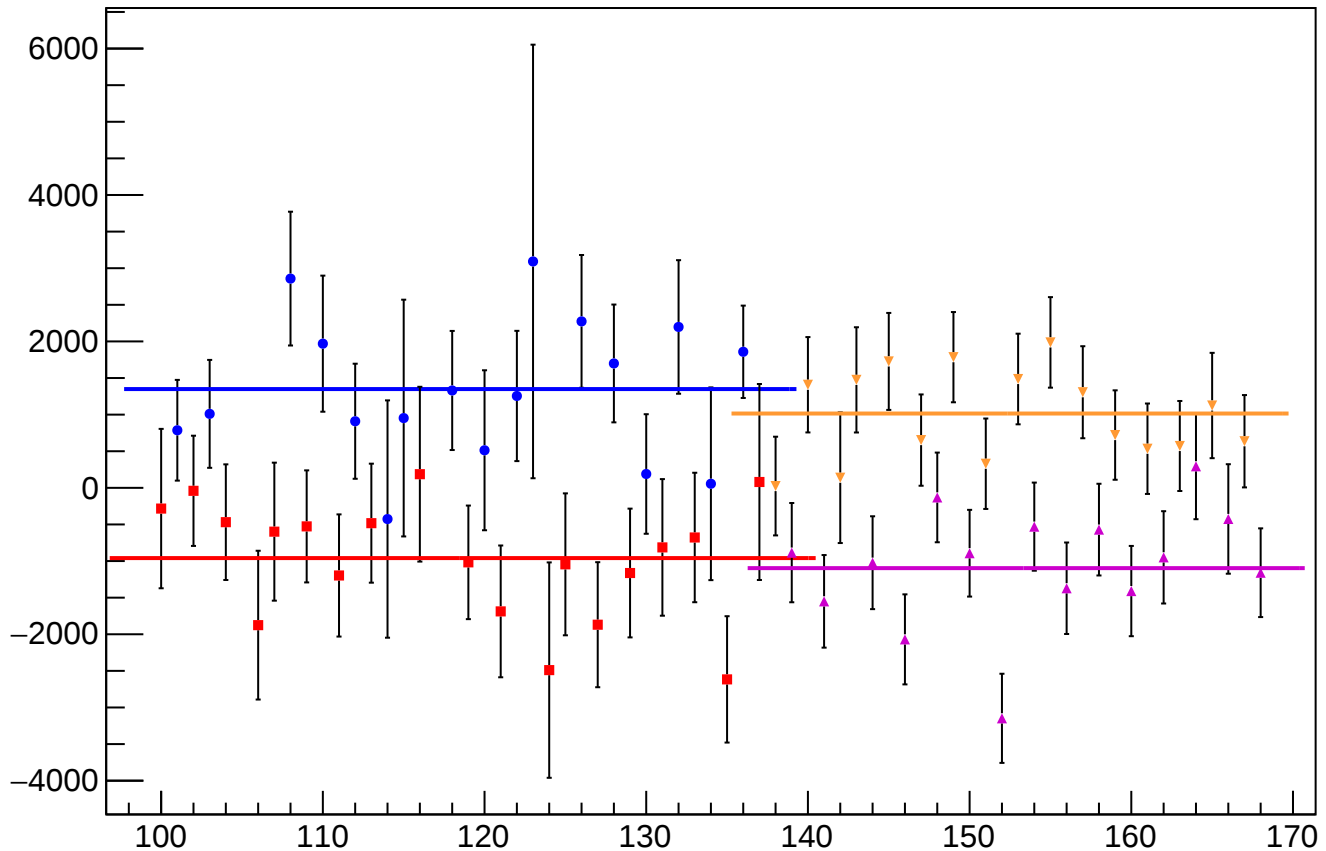
Left In: 953.163+/-0.199 χ^2/NDF :368235.4/14

+ sign 969.137+/-0.160 χ^2/NDF : 572327.6/32

All: 978.294+/-0.114 χ^2/NDF : 1269719.1/66

- sign 987.686+/-0.162 χ^2/NDF : 690793.7/33

reg_asym_right_dd_mean vs Slug



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

Left Out: 1015.035 $\pm$ 162.198 χ^2 /NDF:13.2/15

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

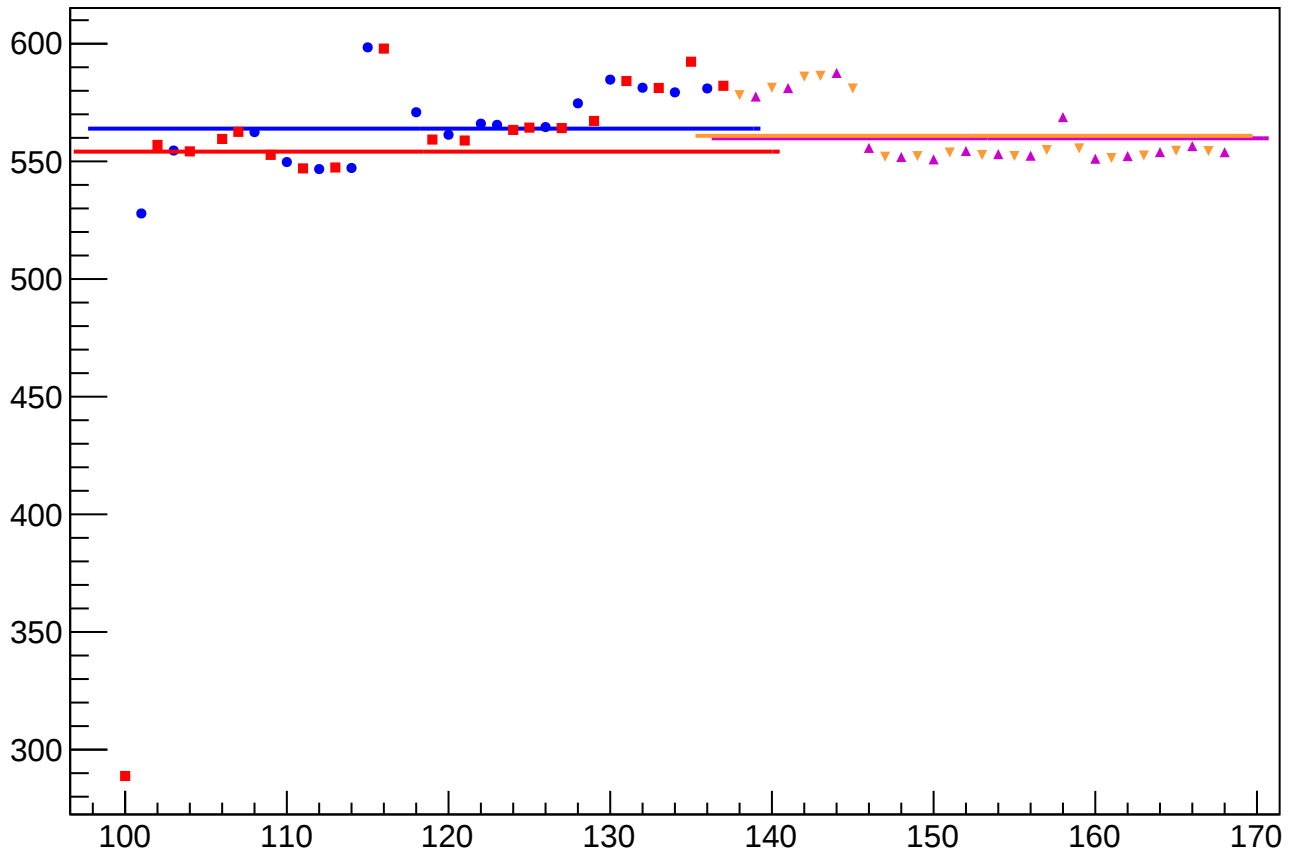
Left In: -1096.706 $\pm$ 163.369 χ^2 /NDF:23.7/14

+ sign 1133.836 $\pm$ 130.207 χ^2 /NDF: 27.0/32

All: 30.443 $\pm$ 91.465 χ^2 /NDF: 205.0/66

- sign -1044.401 $\pm$ 128.512 χ^2 /NDF: 36.2/33

reg_asym_right_dd_rms vs Slug



Right In: 563.922 $\pm$ 0.154 χ^2 /NDF: 12663.1/16

Left Out: 560.864 $\pm$ 0.115 χ^2 /NDF:12560.8/15

Right Out: 554.145 $\pm$ 0.147 χ^2 /NDF: 131965.1/18

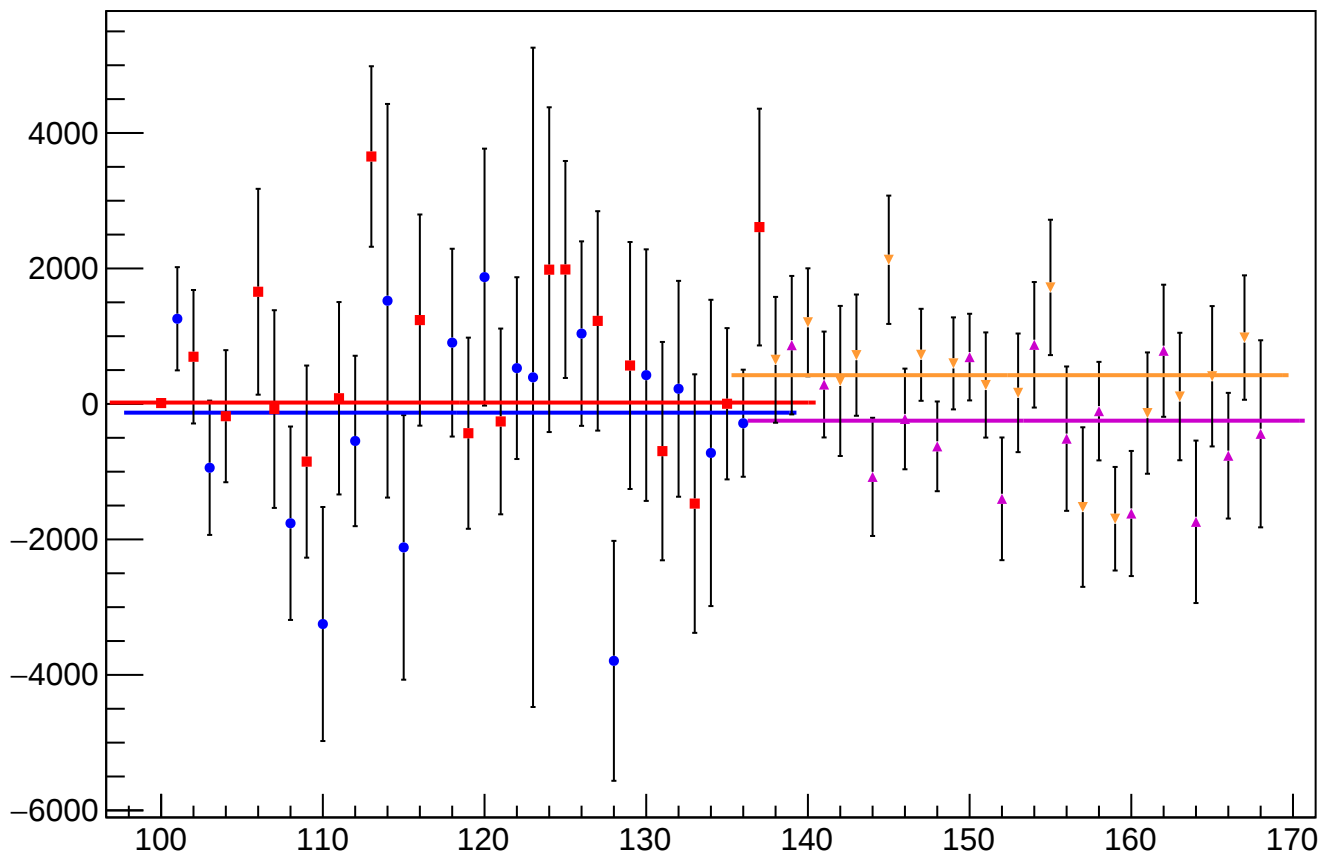
Left In: 559.798 $\pm$ 0.116 χ^2 /NDF:10517.3/14

+ sign 561.951 $\pm$ 0.092 χ^2 /NDF: 25476.8/32

All: 559.769 $\pm$ 0.065 χ^2 /NDF: 169981.4/66

- sign 557.643 $\pm$ 0.091 χ^2 /NDF: 143395.4/33

asym_right_dd_correction_mean vs Slug



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

Left Out: 424.513 ± 217.506 $\chi^2/\text{NDF}: 17.7/15$

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

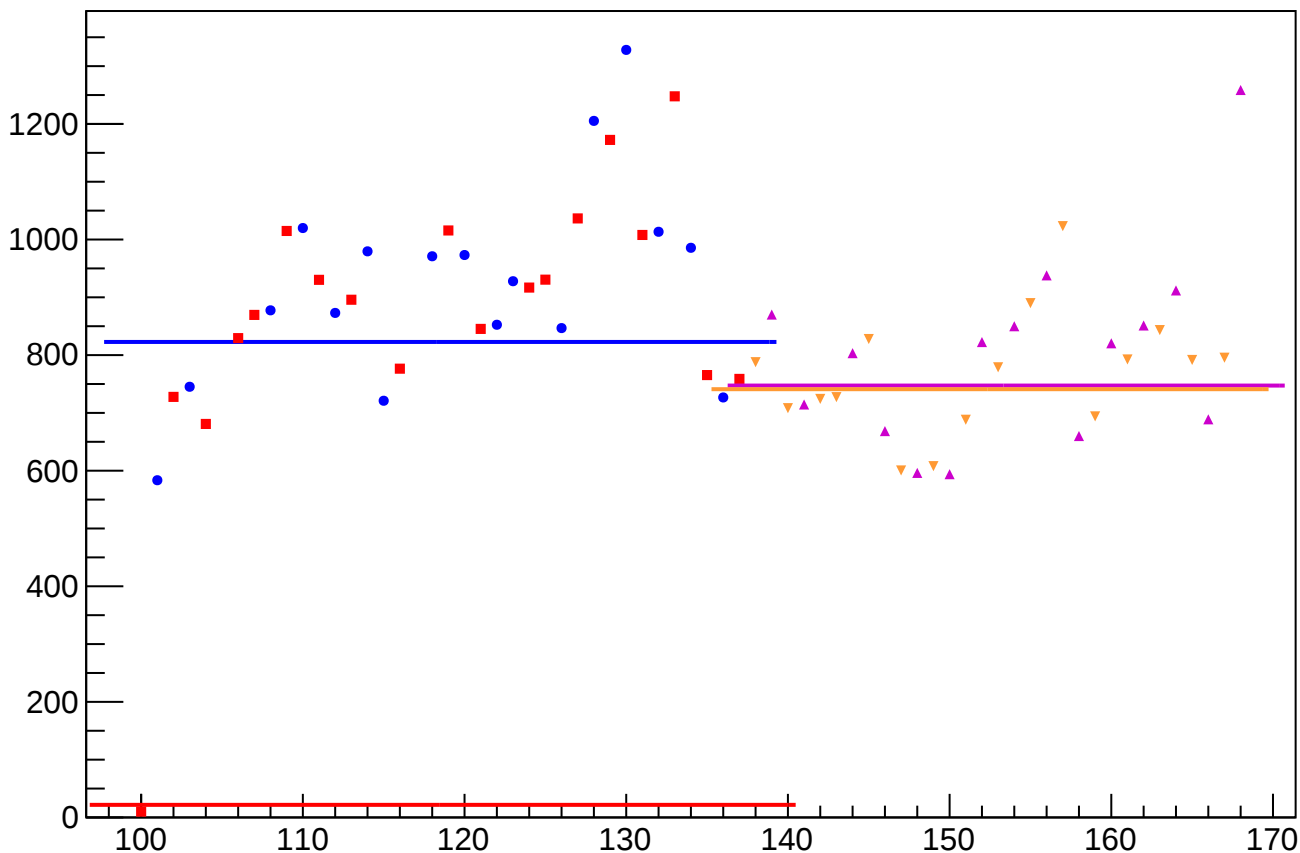
Left In: -247.227 ± 222.464 $\chi^2/\text{NDF}: 13.4/14$

+ sign 255.314 ± 181.219 $\chi^2/\text{NDF}: 36.9/32$

All: 22.845 ± 37.538 $\chi^2/\text{NDF}: 69.6/66$

- sign 12.423 ± 38.370 $\chi^2/\text{NDF}: 30.9/33$

asym_right_dd_correction_rms vs Slug



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

Left Out: 741.021 $\pm$ 0.154 χ^2 /NDF: 410643.1/15

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

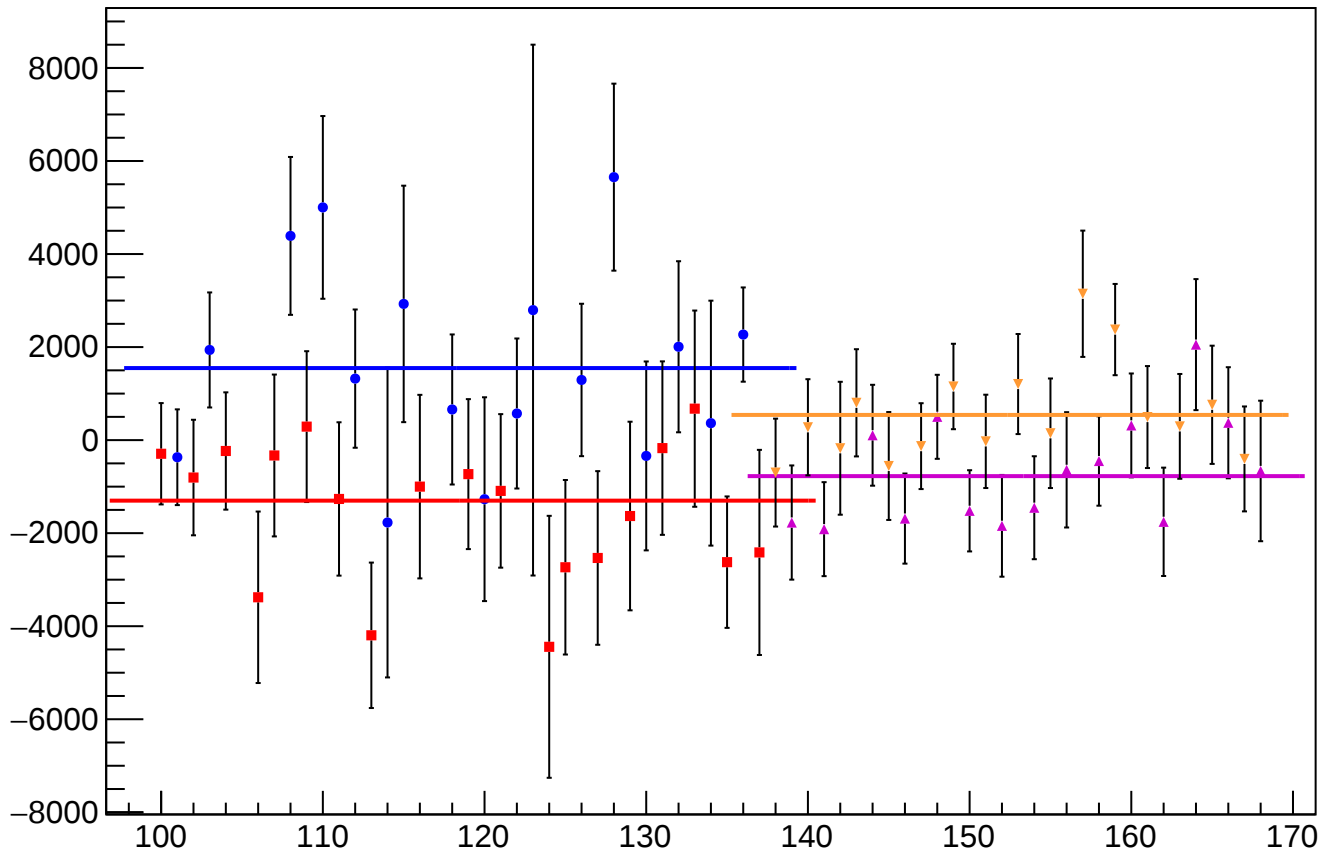
Left In: 747.296 $\pm$ 0.157 χ^2 /NDF: 768648.1/14

+ sign 766.026 $\pm$ 0.128 χ^2 /NDF: 1097941.2/32

All: 74.401 $\pm$ 0.027 χ^2 /NDF: 66464963.4/66

- sign 43.395 $\pm$ 0.027 χ^2 /NDF: 34929420.1/33

asym_right_dd_mean vs Slug



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

Left Out: 541.637 $\pm$ 275.104 χ^2/NDF : 12.2/15

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

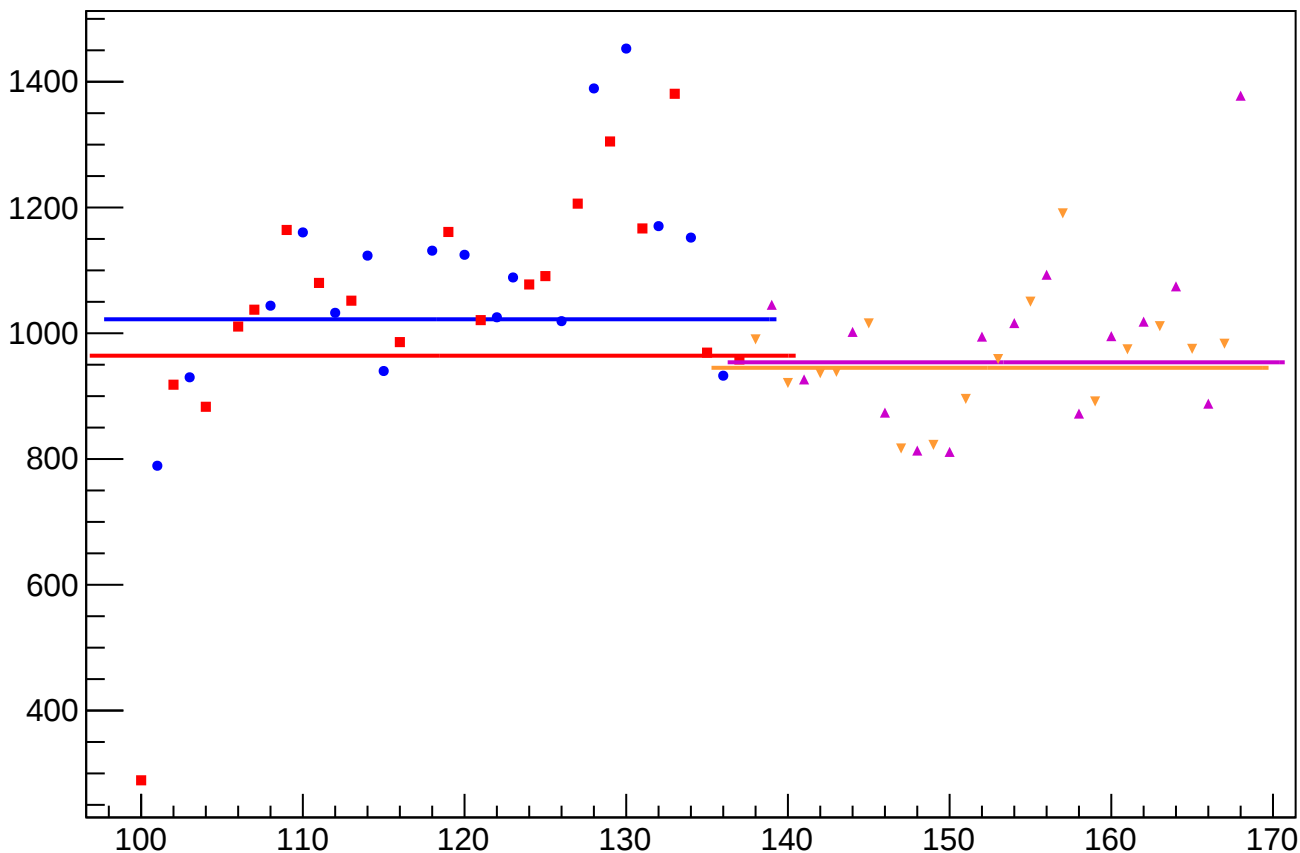
Left In: -773.963 $\pm$ 280.943 χ^2/NDF : 14.3/14

+ sign 862.885 $\pm$ 227.034 χ^2/NDF : 35.4/32

All: -57.868 $\pm$ 159.837 χ^2/NDF : 96.1/66

- sign -962.738 $\pm$ 225.067 χ^2/NDF : 28.1/33

asym_right_dd_rms vs Slug



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

Left Out: 945.082+/-0.195 χ^2/NDF :190346.7/15

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

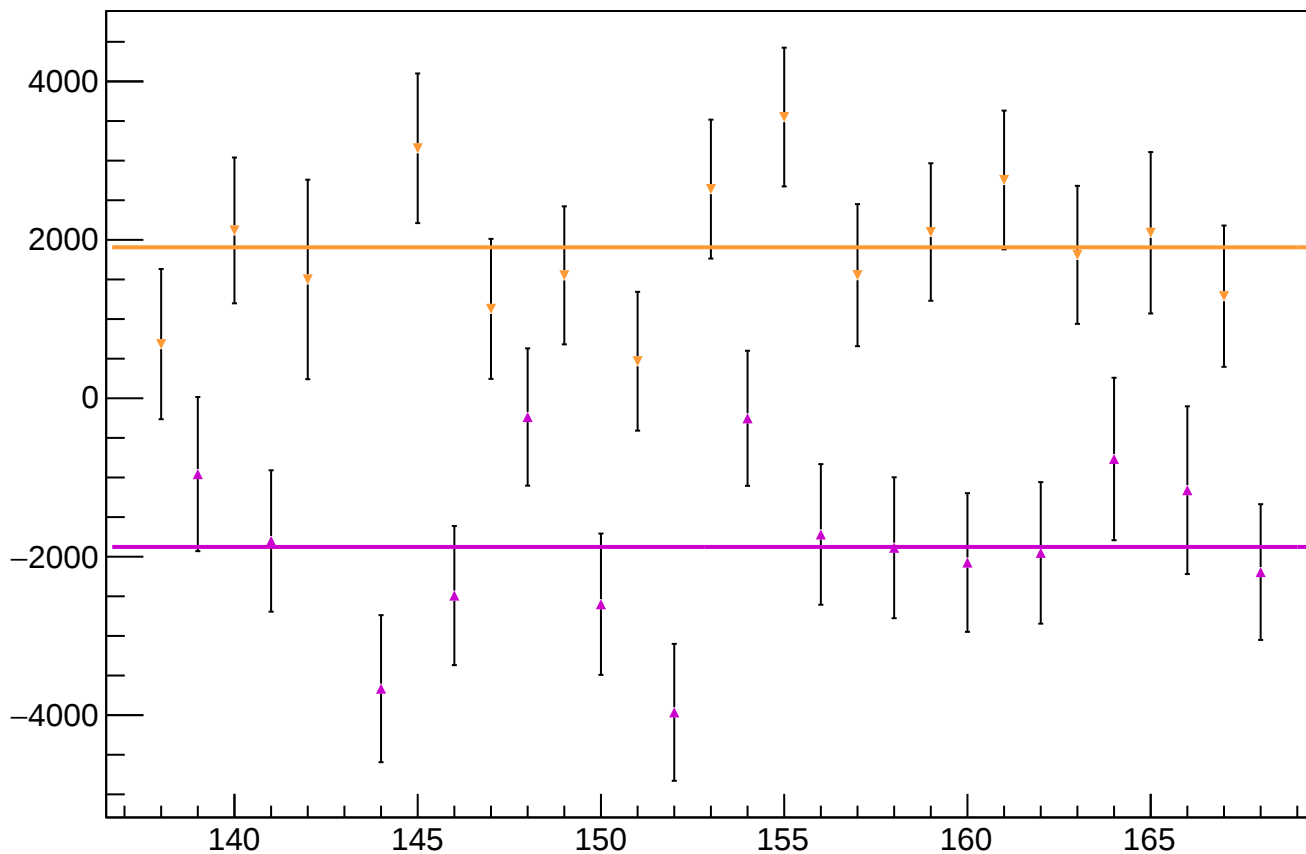
Left In: 953.826+/-0.199 χ^2/NDF :367973.2/14

+ sign 969.691+/-0.161 χ^2/NDF : 572391.9/32

All: 963.587+/-0.113 χ^2/NDF : 2011514.1/66

- sign 957.589+/-0.159 χ^2/NDF : 1436255.8/33

cor_asym_us_avg_mean vs Slug



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

Left Out: 1906.020+/-235.961 χ^2/NDF :13.1/14

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

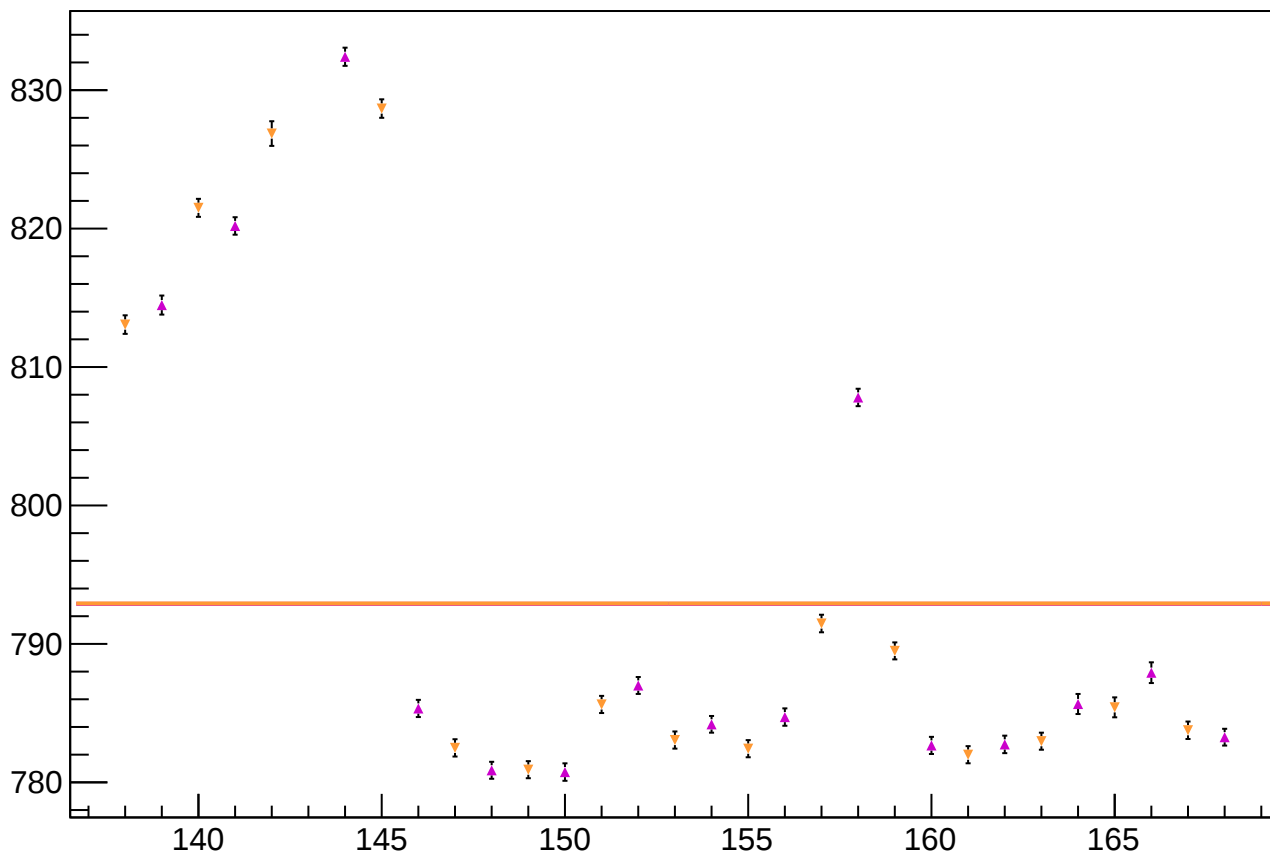
Left In: -1876.506+/-233.334 χ^2/NDF :20.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -6.412+/-165.913 χ^2/NDF : 163.7/29

- 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: 792.921+/-0.167 χ^2/NDF : 9413.3/14

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

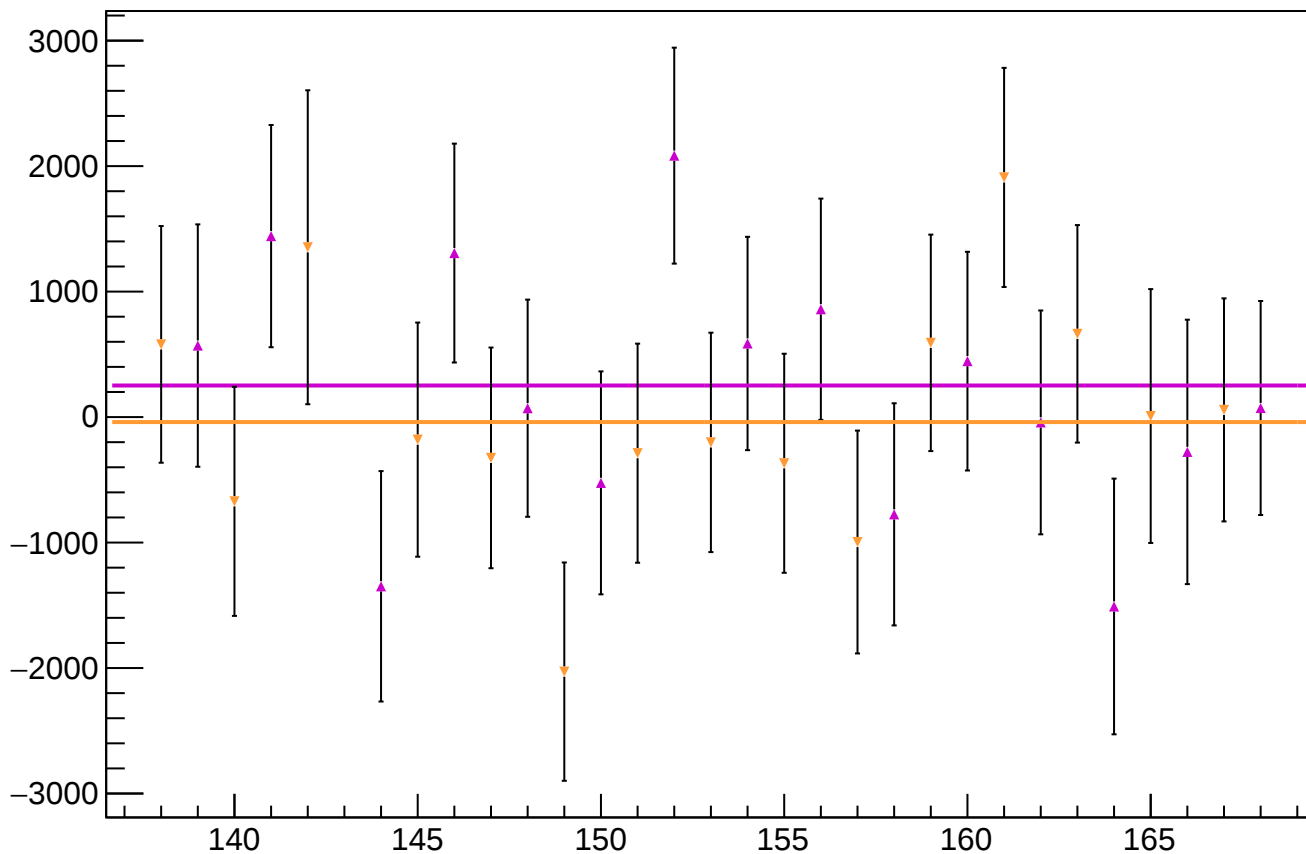
Left In: 792.892+/-0.165 χ^2/NDF : 9345.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 792.907+/-0.117 χ^2/NDF : 18758.4/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_mean vs Slug



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

Left Out: -39.706 $\pm$ 234.683 χ^2 /NDF:15.1/14

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

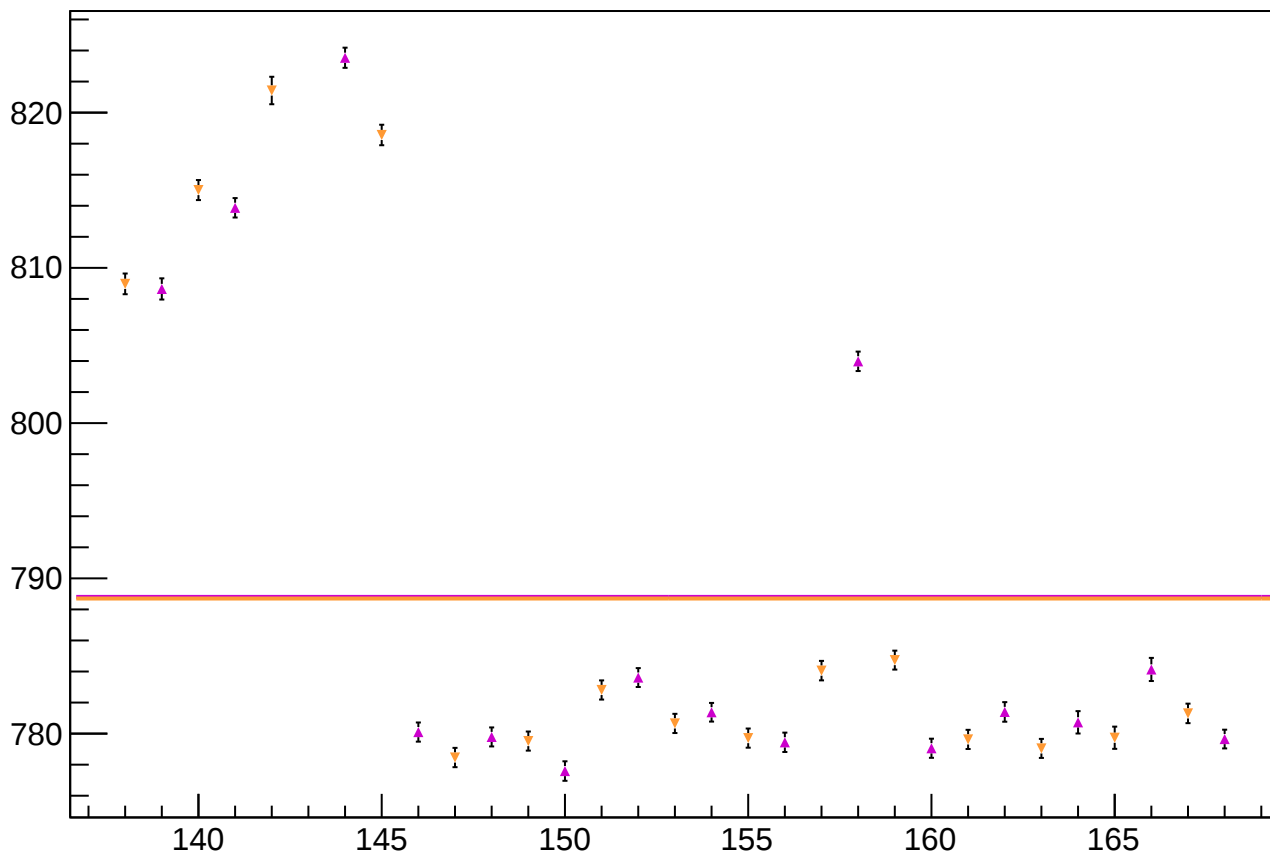
Left In: 251.639 $\pm$ 232.120 χ^2 /NDF:17.2/14

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

All: 107.566 $\pm$ 165.032 χ^2 /NDF: 33.1/29

- sign 0.000 $\pm$ 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: 788.702+/-0.166 χ^2/NDF : 7824.2/14

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

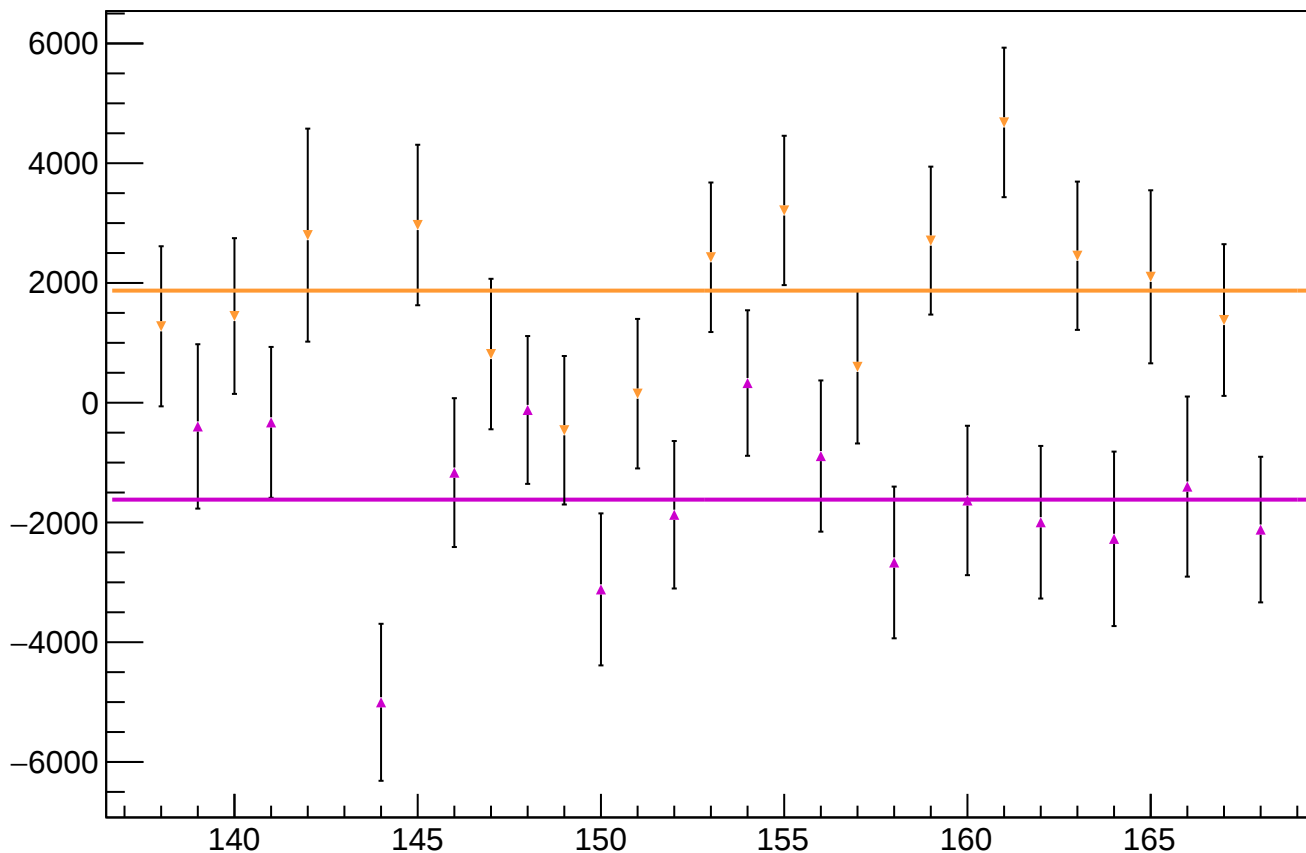
Left In: 788.806+/-0.164 χ^2/NDF : 7864.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 788.755+/-0.117 χ^2/NDF : 15689.0/29

- 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: 1872.256+/-335.304 χ^2/NDF :15.7/14

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

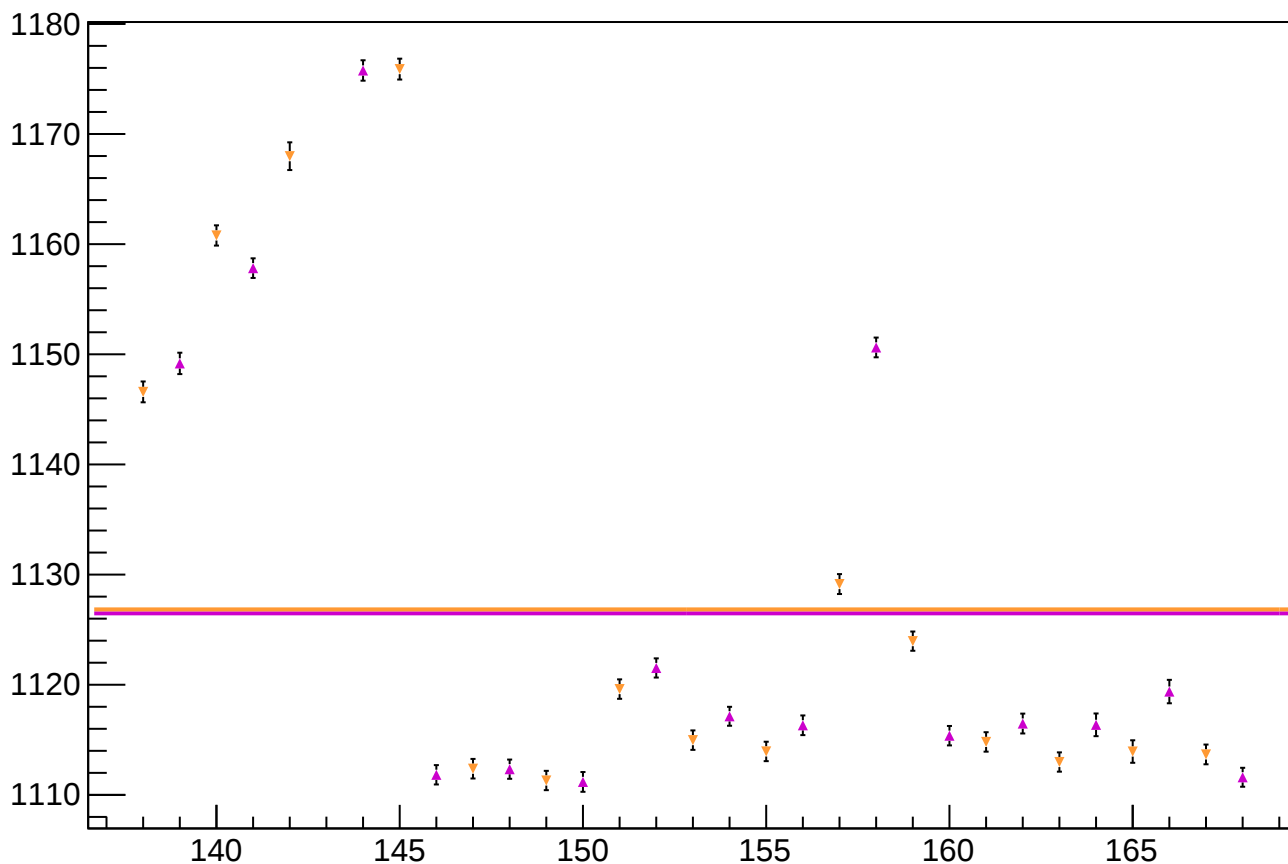
Left In: -1618.594+/-331.485 χ^2/NDF :15.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 106.835+/-235.734 χ^2/NDF : 86.1/29

- 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: 1126.841+/-0.237 χ^2/NDF : 7417.3/14

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

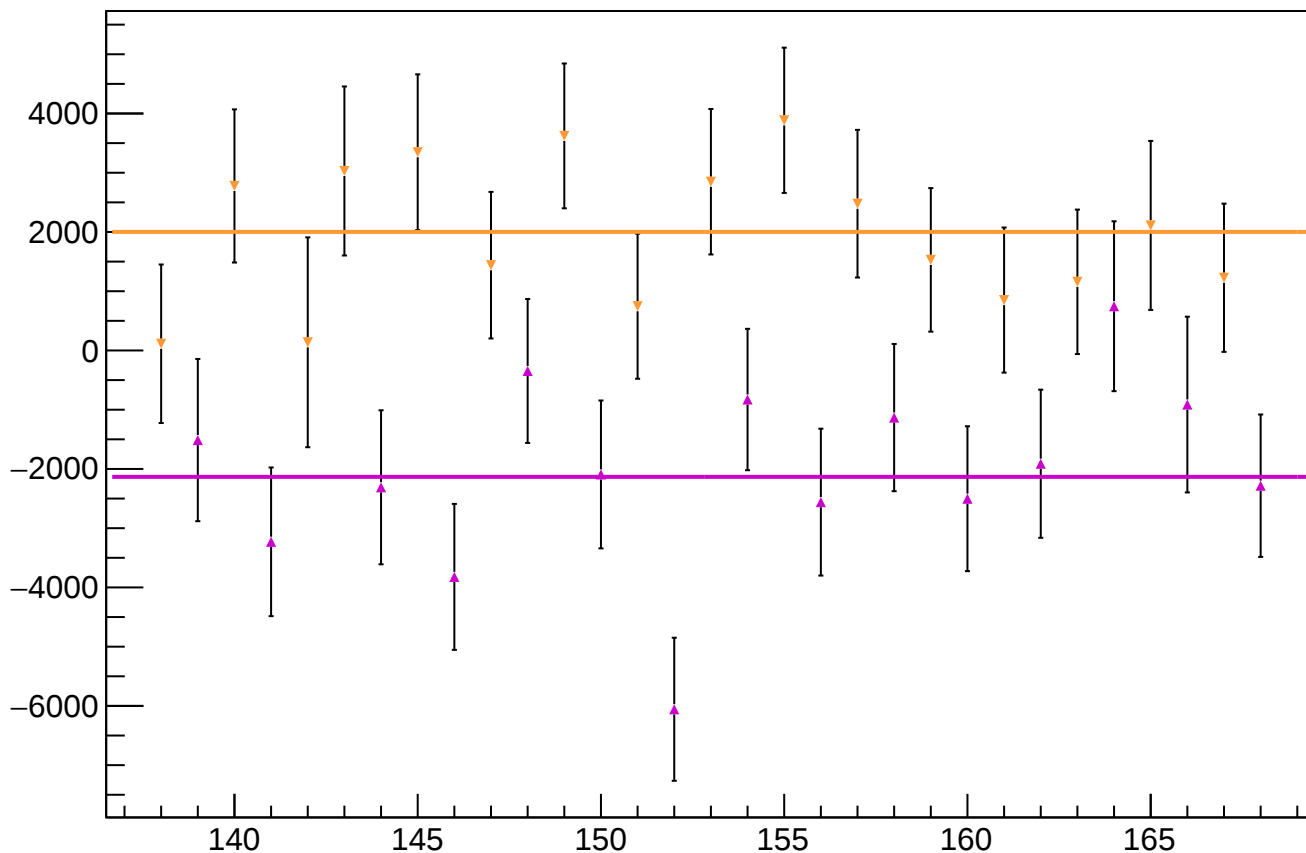
Left In: 1126.482+/-0.234 χ^2/NDF : 7170.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1126.660+/-0.167 χ^2/NDF : 14589.1/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usr_mean vs Slug



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

Left Out: 2001.973+/-321.770 χ^2/NDF : 12.9/15

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

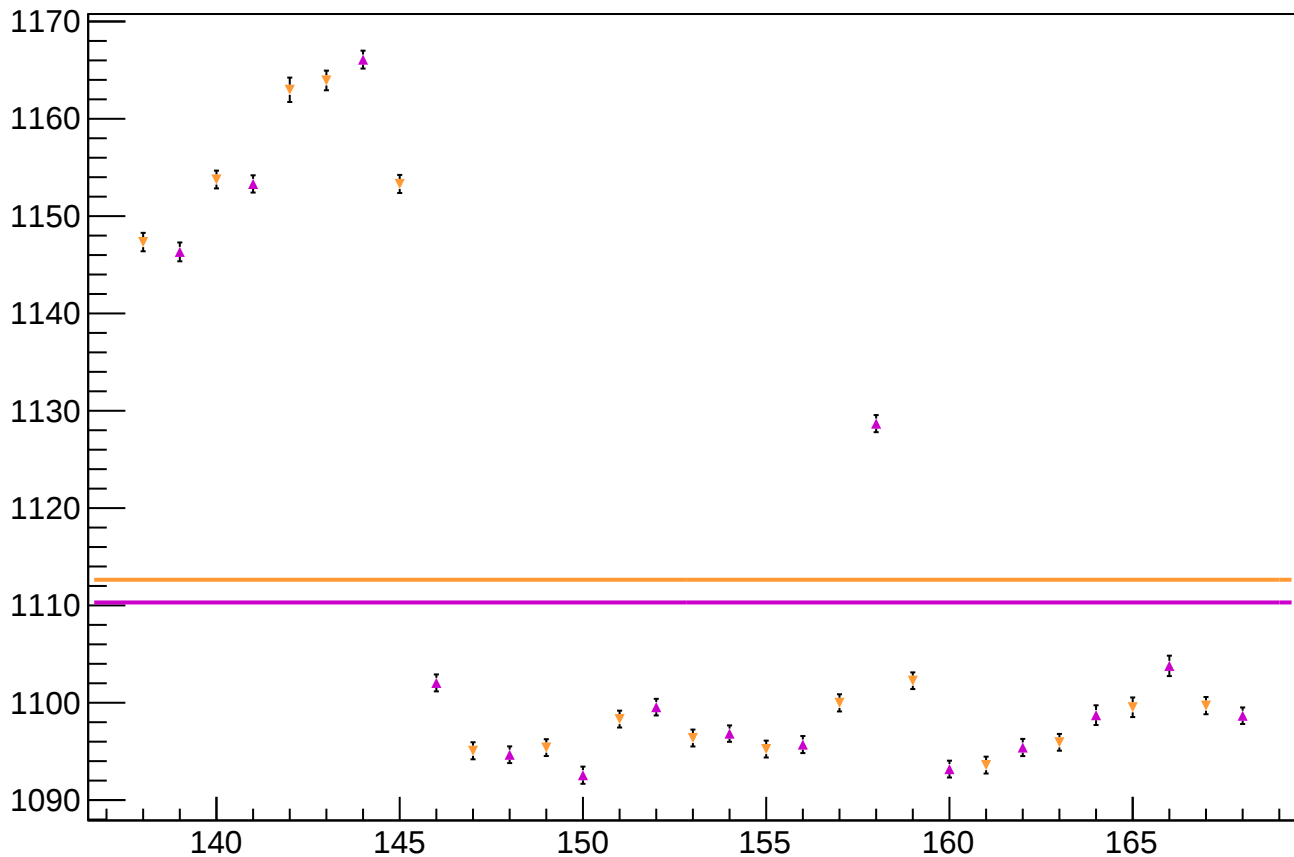
Left In: -2133.663+/-326.747 χ^2/NDF : 22.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -34.113+/-229.265 χ^2/NDF : 116.7/30

- sign 0.000+/-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: 1112.638+/-0.228 χ^2/NDF :12908.1/15

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

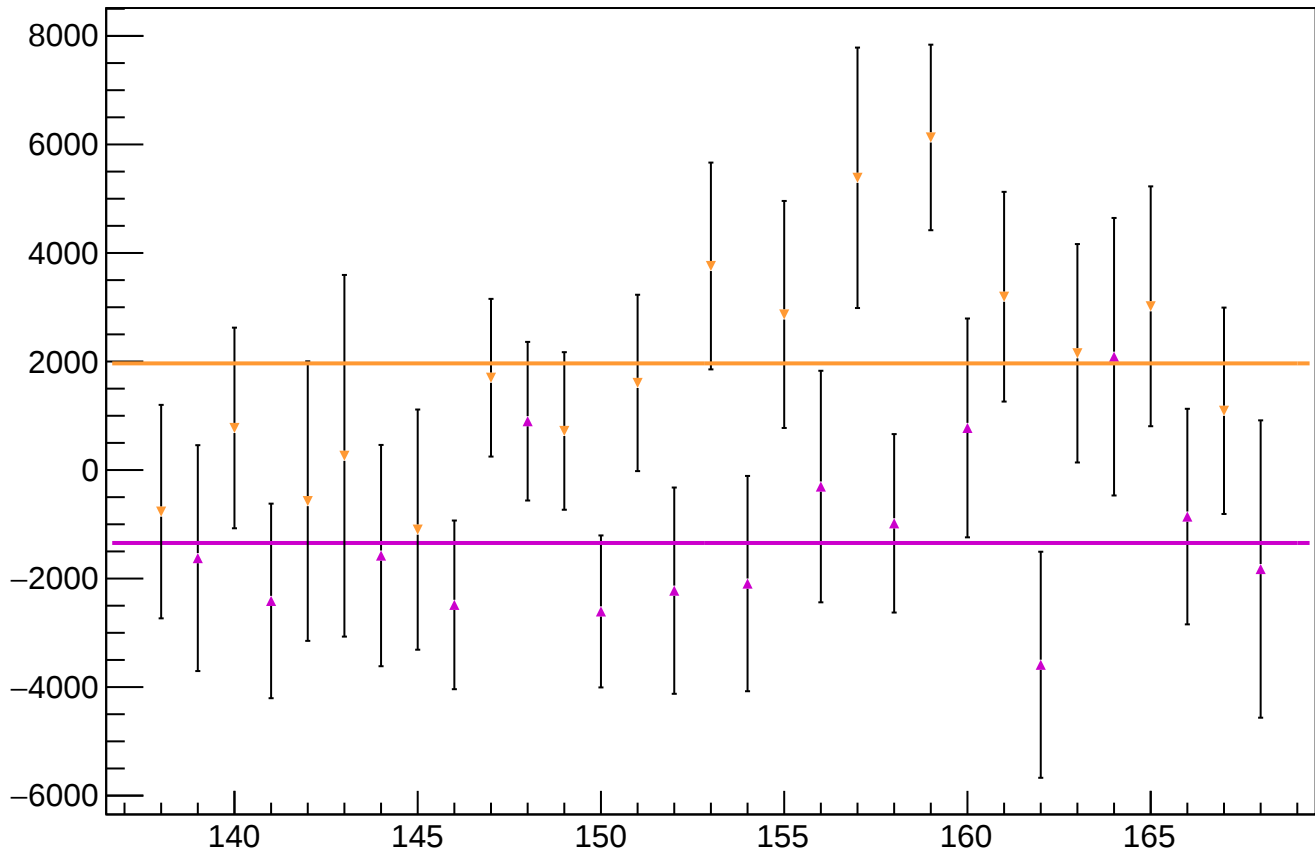
Left In: 1110.304+/-0.231 χ^2/NDF :10401.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1111.489+/-0.162 χ^2/NDF : 23360.9/30

- 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: 1965.281+/-480.118 χ^2/NDF : 16.2/15

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

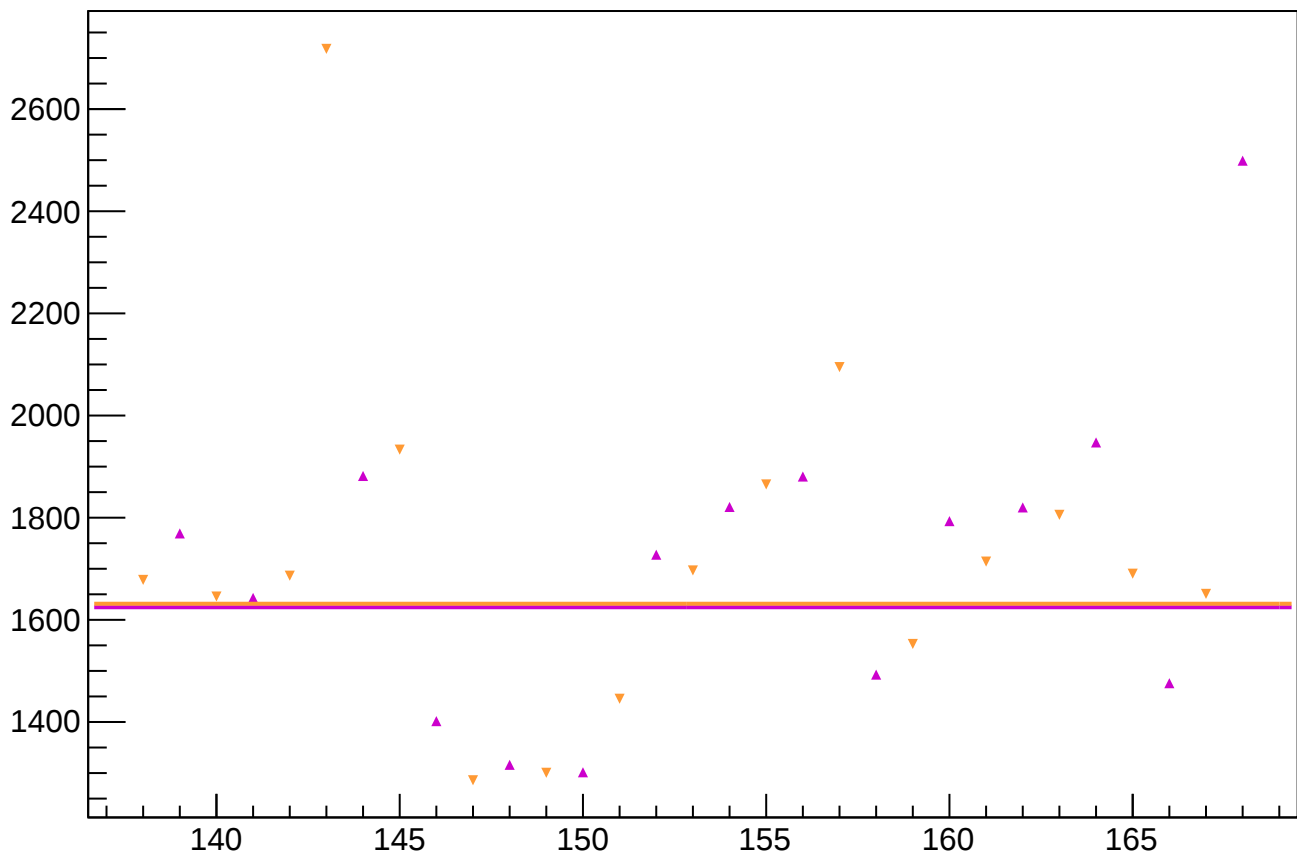
Left In: -1344.242+/-481.642 χ^2/NDF : 8.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 315.763+/-340.032 χ^2/NDF : 48.8/30

- 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: 1631.541+/-0.339 χ^2/NDF : 621440.7/15

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

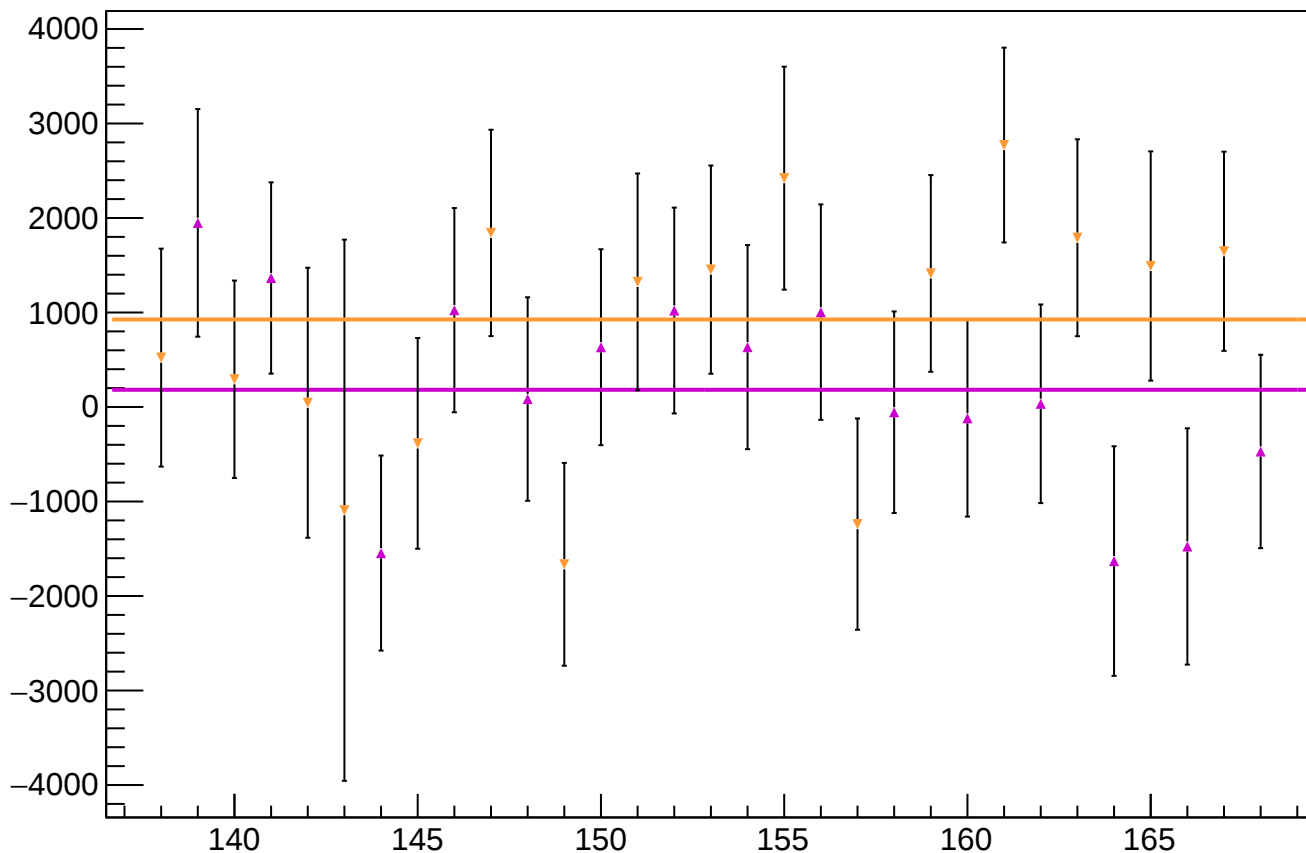
Left In: 1624.649+/-0.341 χ^2/NDF : 623769.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1628.106+/-0.240 χ^2/NDF : 1245415.3/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_mean vs Slug



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

Left Out: 926.257+/-285.584 χ^2/NDF : 19.8/15

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

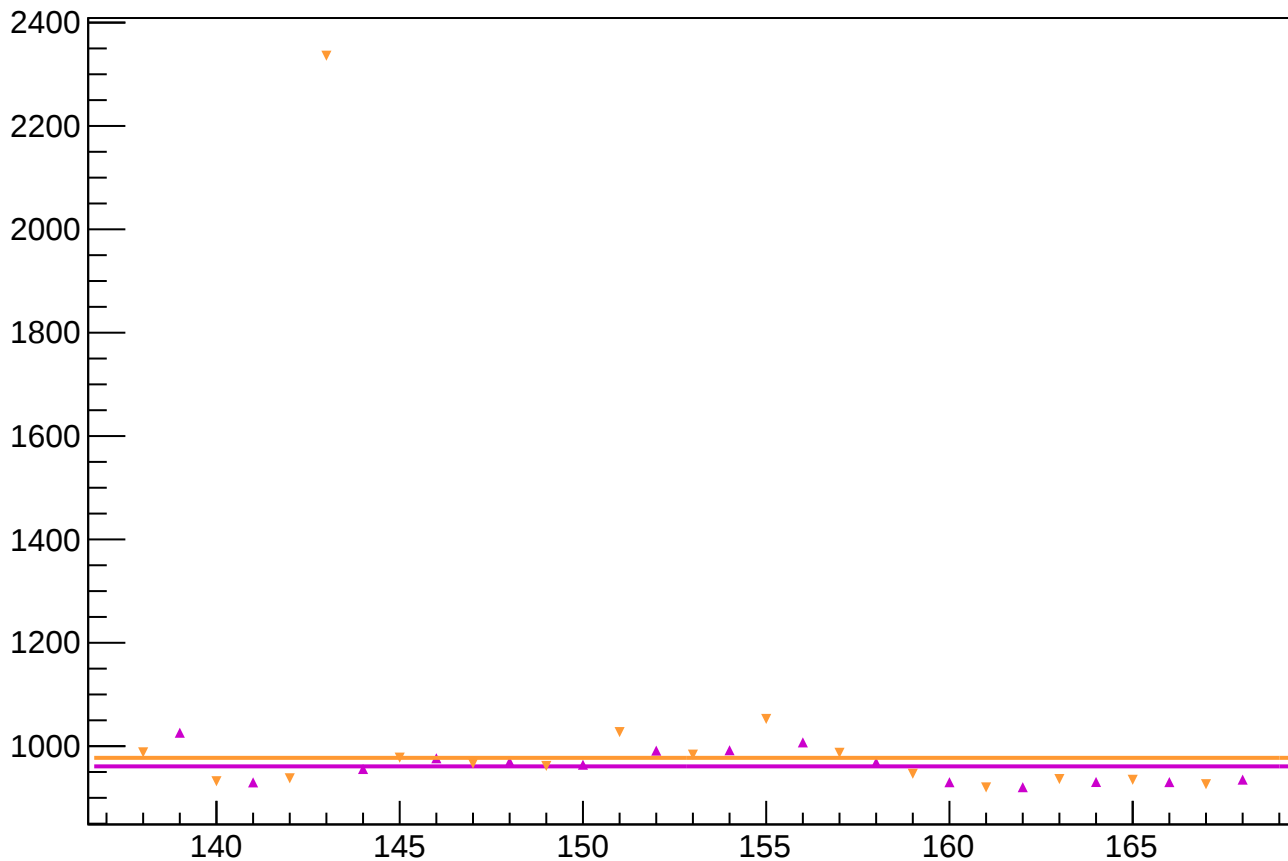
Left In: 182.180+/-280.559 χ^2/NDF : 13.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 547.615+/-200.138 χ^2/NDF : 36.2/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_rms vs Slug



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

Left Out: 977.378 $\pm$ 0.202 χ^2 /NDF: 486640.1/15

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

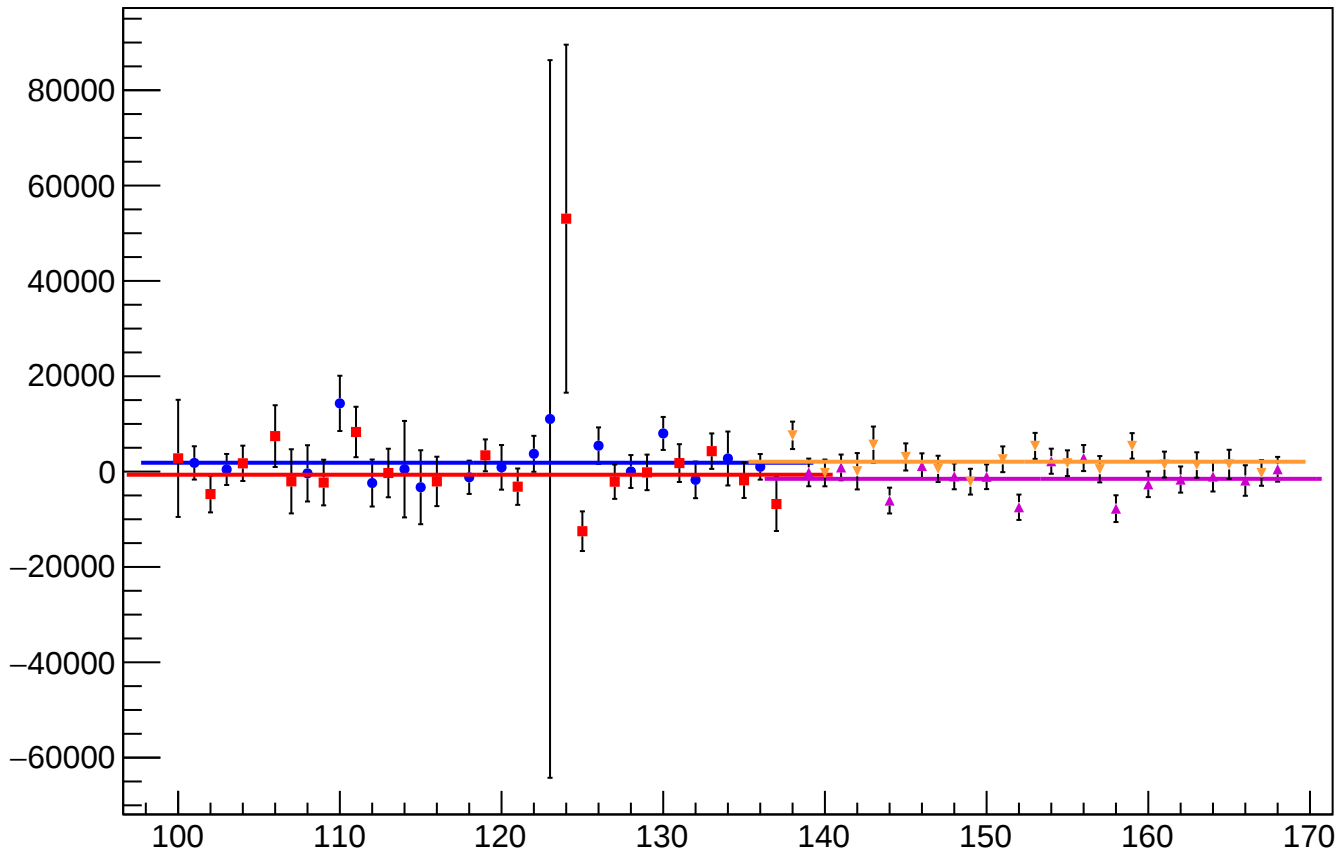
Left In: 960.883 $\pm$ 0.198 χ^2 /NDF: 23340.7/14

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

All: 968.984 $\pm$ 0.142 χ^2 /NDF: 513376.2/30

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

reg_asym_atl1_mean vs Slug



Right In: 1859.767 ± 1013.438 χ^2/NDF : 12.5/16

Left Out: 2073.188 ± 711.054 χ^2/NDF : 12.7/15

Right Out: -654.213 ± 1023.772 χ^2/NDF : 22.1/18

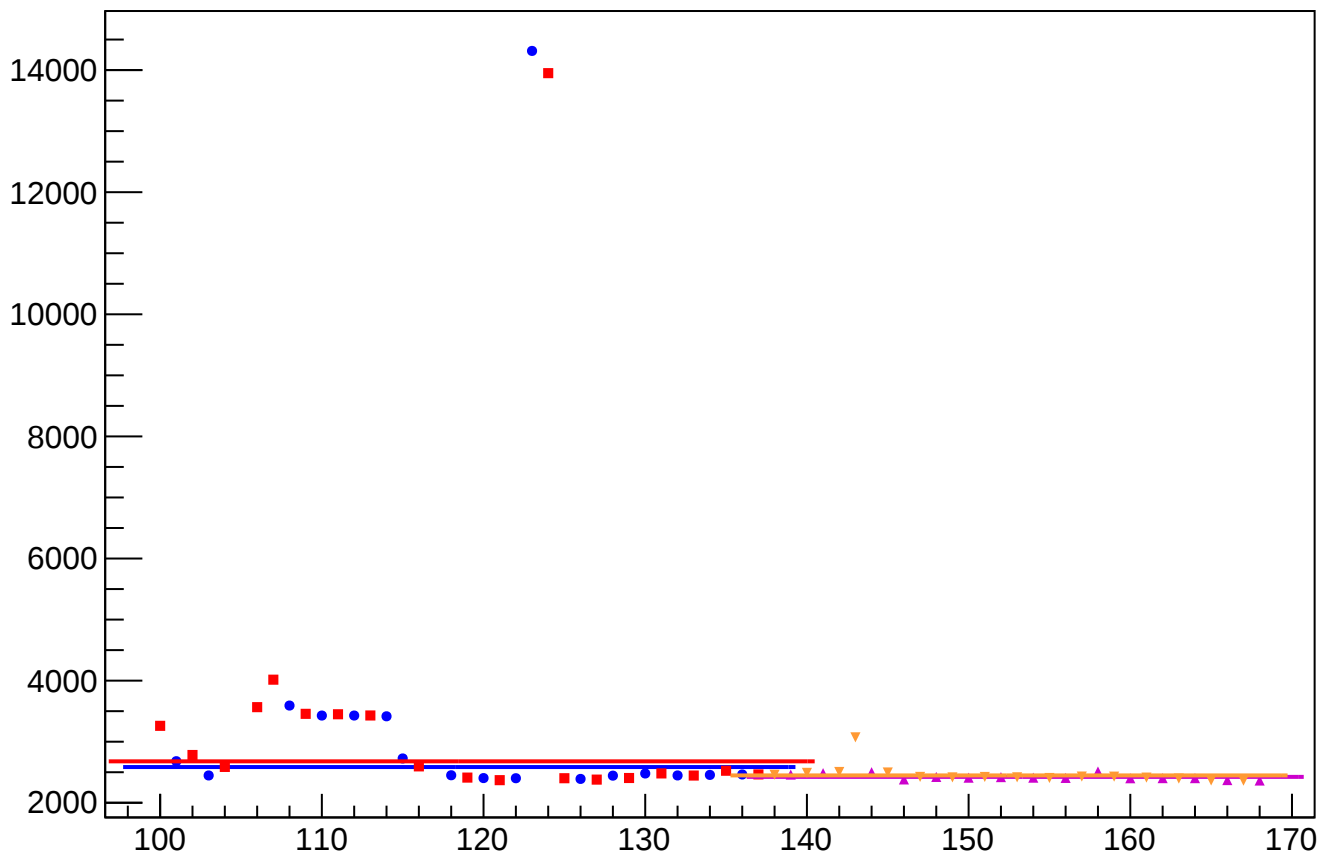
Left In: -1516.992 ± 709.678 χ^2/NDF : 20.3/14

+ sign 2002.783 ± 582.073 χ^2/NDF : 25.2/32

All: 386.175 ± 412.003 χ^2/NDF : 83.5/66

- sign -1236.965 ± 583.248 χ^2/NDF : 42.8/33

reg_asym_atl1_rms vs Slug



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

Left Out: 2447.908+/-0.503 χ^2/NDF : 61243.8/15

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

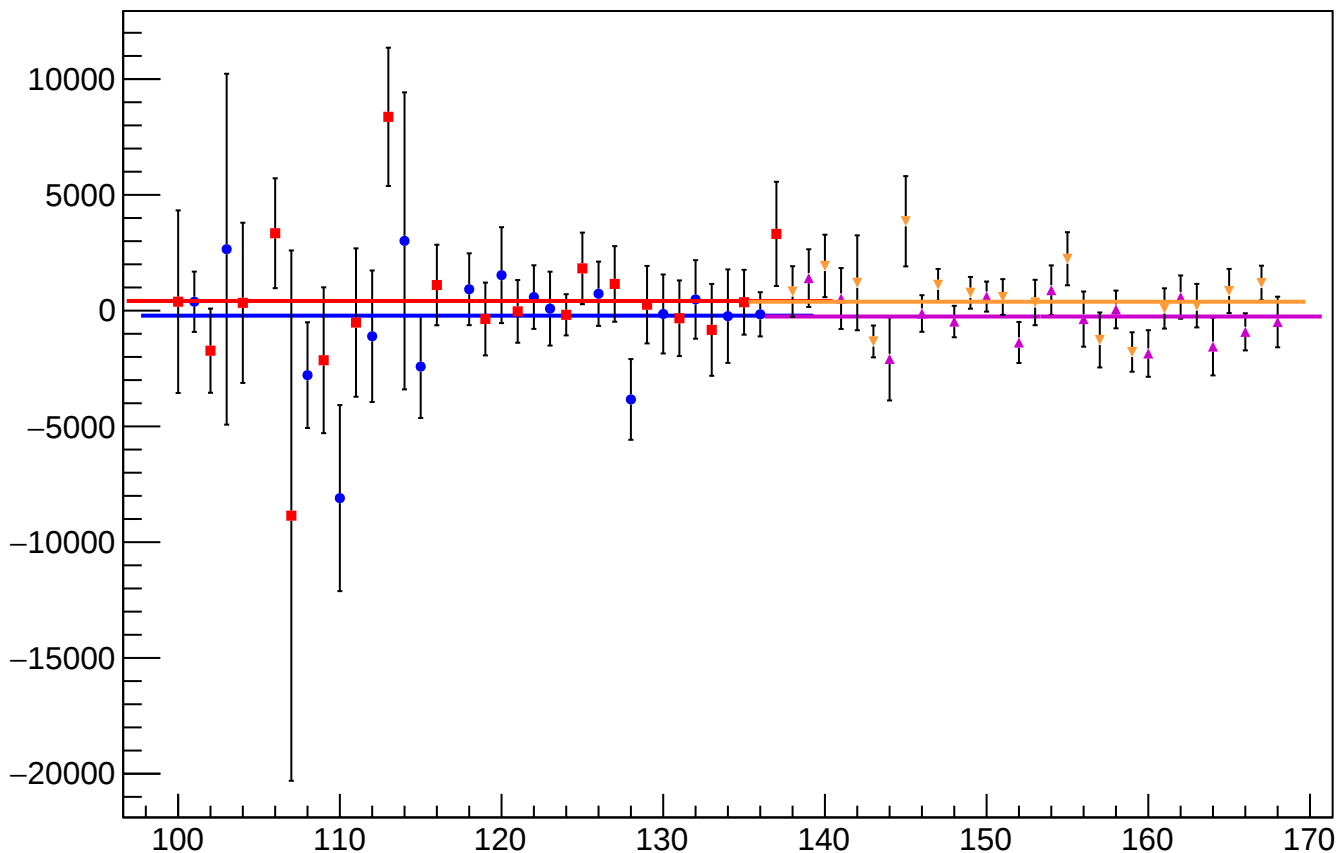
Left In: 2423.886+/-0.502 χ^2/NDF : 7557.0/14

+ sign 2493.073+/-0.412 χ^2/NDF : 341414.3/32

All: 2499.741+/-0.291 χ^2/NDF : 964971.5/66

- sign 2506.436+/-0.412 χ^2/NDF : 623031.2/33

asym_atl1_correction_mean vs Slug



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

Left Out: 384.486 ± 228.491 χ^2/NDF : 25.2/15

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

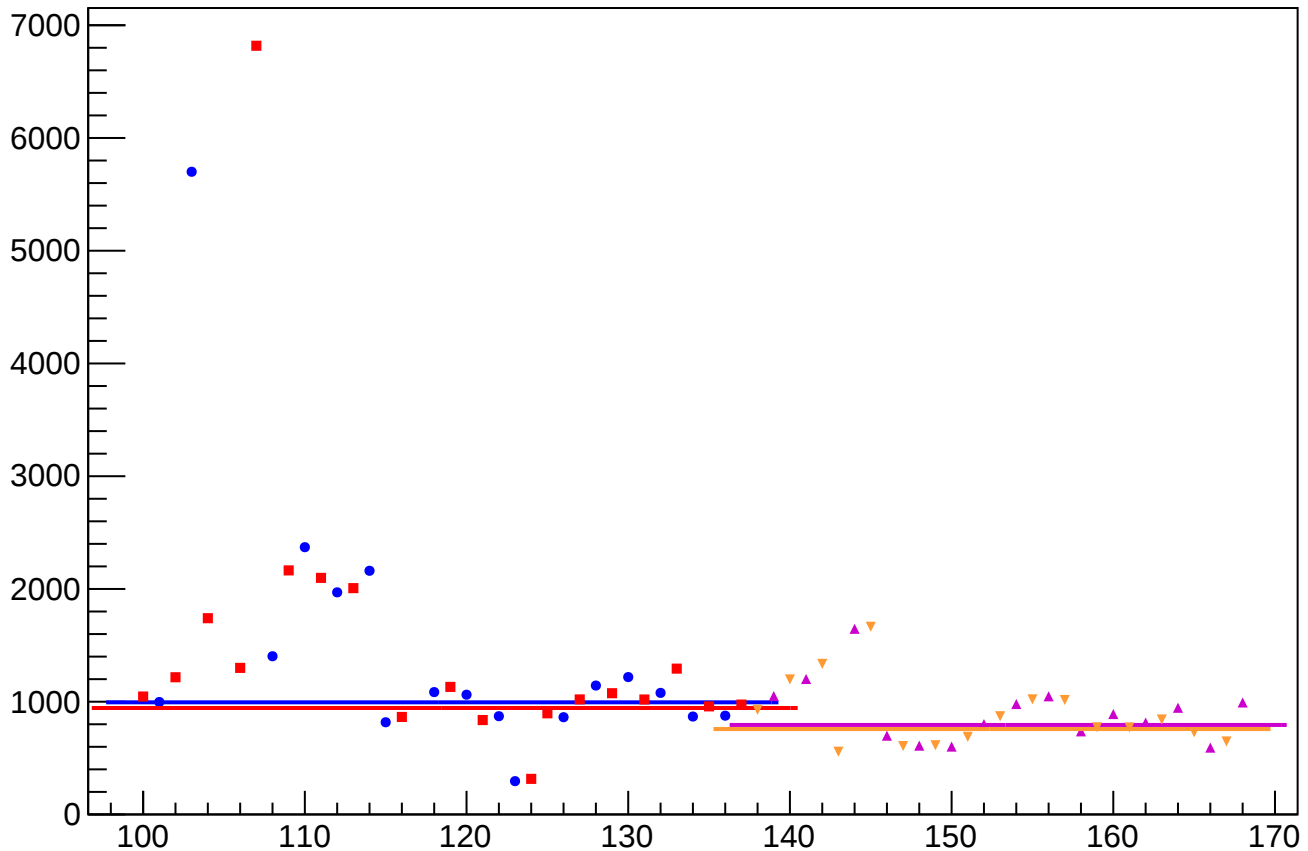
Left In: -254.245 ± 241.128 χ^2/NDF : 13.1/14

+ sign 247.158 ± 200.720 χ^2/NDF : 40.1/32

All: 88.674 ± 144.340 χ^2/NDF : 72.2/66

- sign -81.046 ± 207.714 χ^2/NDF : 30.7/33

asym_atl1_correction_rms vs Slug



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

Left Out: 757.676 $\pm$ 0.162 χ^2 /NDF:1514643.1/15

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

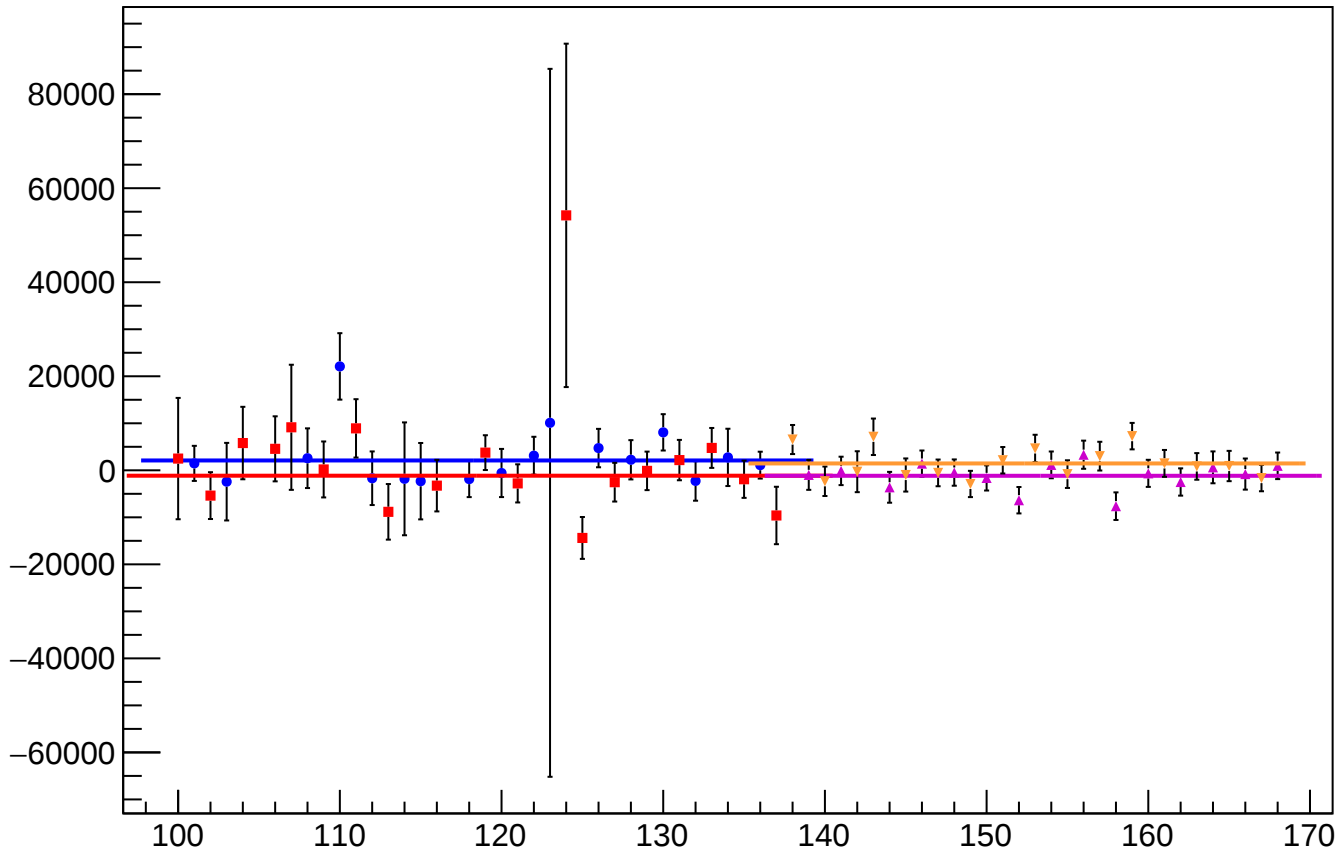
Left In: 793.802 $\pm$ 0.171 χ^2 /NDF:1480883.7/14

+ sign 811.754 $\pm$ 0.142 χ^2 /NDF: 3909892.0/32

All: 821.830 $\pm$ 0.102 χ^2 /NDF: 8268151.7/66

- sign 832.619 $\pm$ 0.147 χ^2 /NDF: 4347824.1/33

asym_atl1_mean vs Slug



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

Left Out: 1458.155+/-761.924 χ^2/NDF : 17.6/15

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

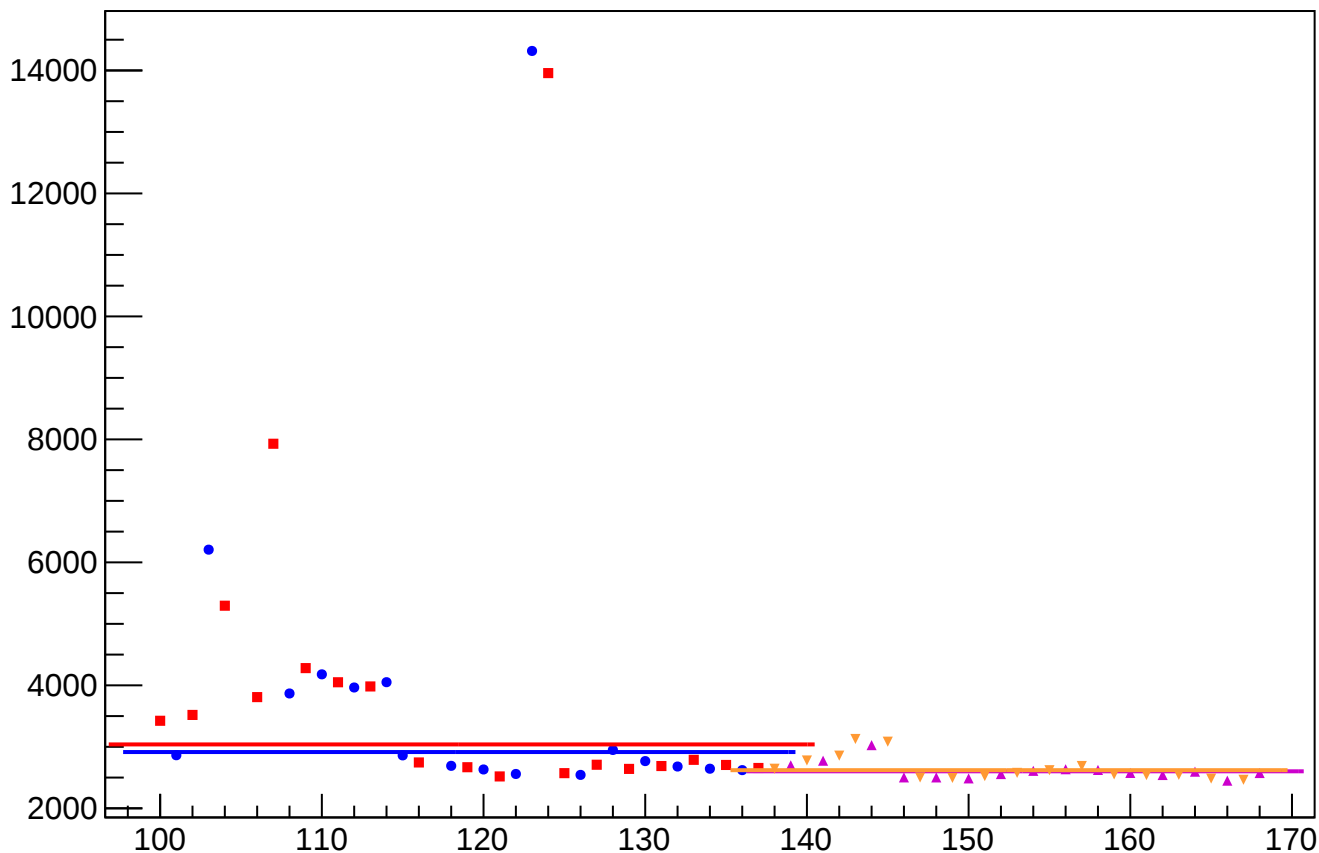
Left In: -1165.338+/-762.683 χ^2/NDF : 13.9/14

+ sign 1649.713+/-636.906 χ^2/NDF : 32.4/32

All: 255.177+/-452.028 χ^2/NDF : 81.1/66

- sign -1160.210+/-641.649 χ^2/NDF : 39.1/33

asym_atl1_rms vs Slug



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

Left Out: 2620.179+/-0.539 χ^2 /NDF: 105291.5/15

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

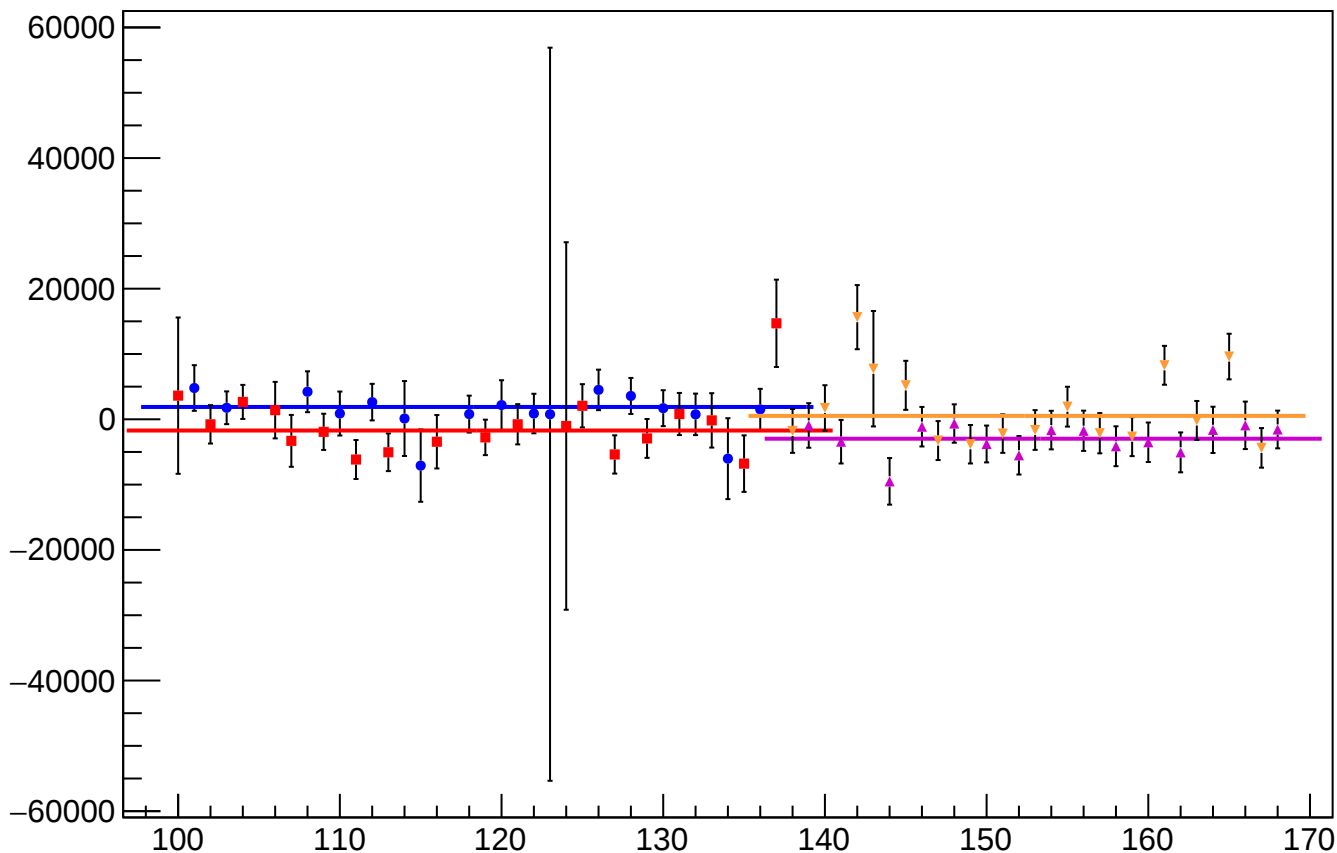
Left In: 2601.948+/-0.539 χ^2 /NDF: 57193.6/14

+ sign 2709.052+/-0.450 χ^2 /NDF: 834757.2/32

All: 2719.298+/-0.320 χ^2 /NDF: 2096408.3/60

- sign 2729.698+/-0.454 χ^2 /NDF: 1260608.0/33

reg_asym_atl2_mean vs Slug



Right In: 1889.943 $\pm$ 811.431 χ^2 /NDF: 7.3/16

Left Out: 522.921 $\pm$ 819.572 χ^2 /NDF:35.7/15

Right Out: -1719.130 $\pm$ 790.110 χ^2 /NDF: 19.0/18

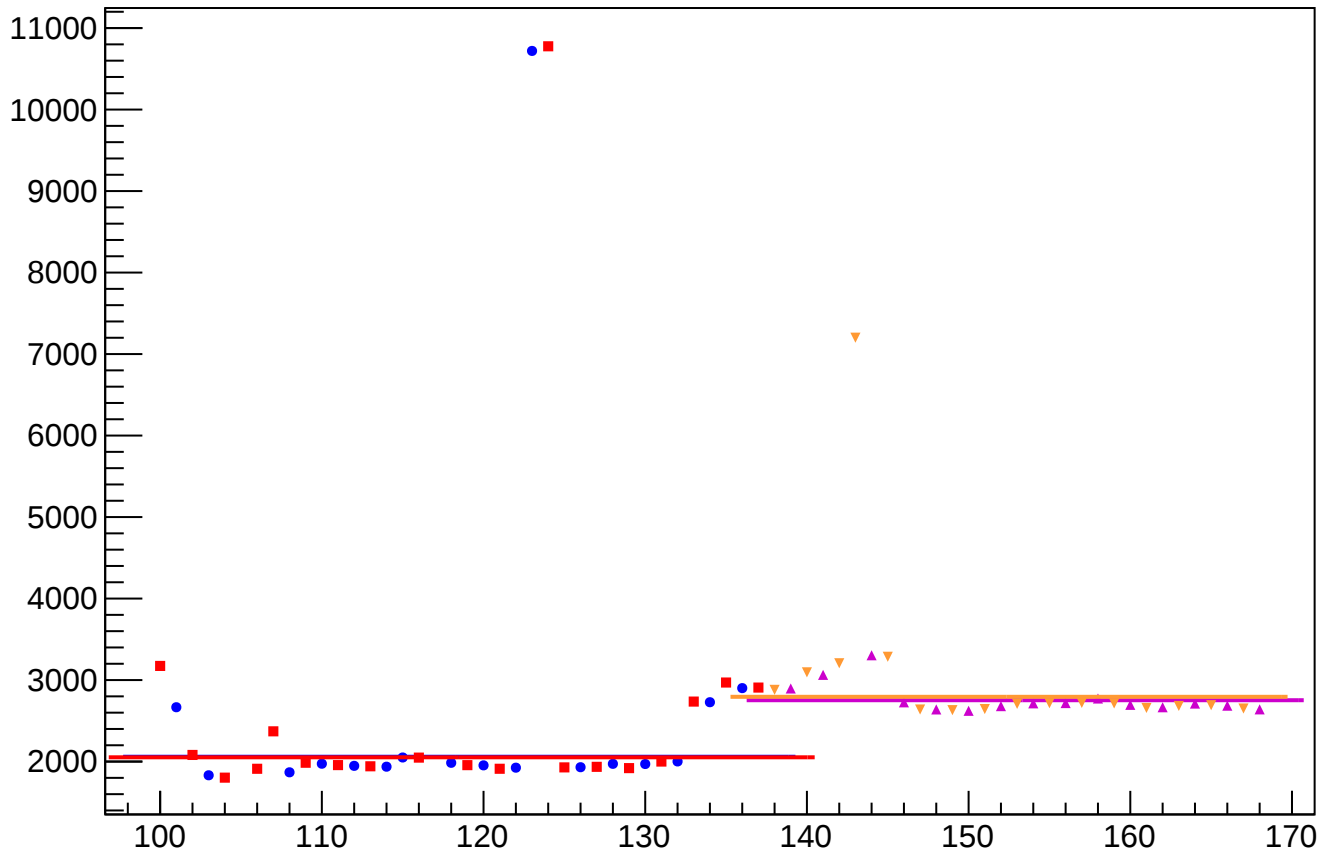
Left In: -2971.427 $\pm$ 805.962 χ^2 /NDF:7.2/14

+ sign 1213.256 $\pm$ 576.625 χ^2 /NDF: 44.4/32

All: -598.369 $\pm$ 403.276 χ^2 /NDF: 91.2/66

- sign -2332.842 $\pm$ 564.213 χ^2 /NDF: 27.4/33

reg_asym_atl2_rms vs Slug



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

Left Out: 2794.559+/-0.580 χ^2/NDF : 597437.8/15

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

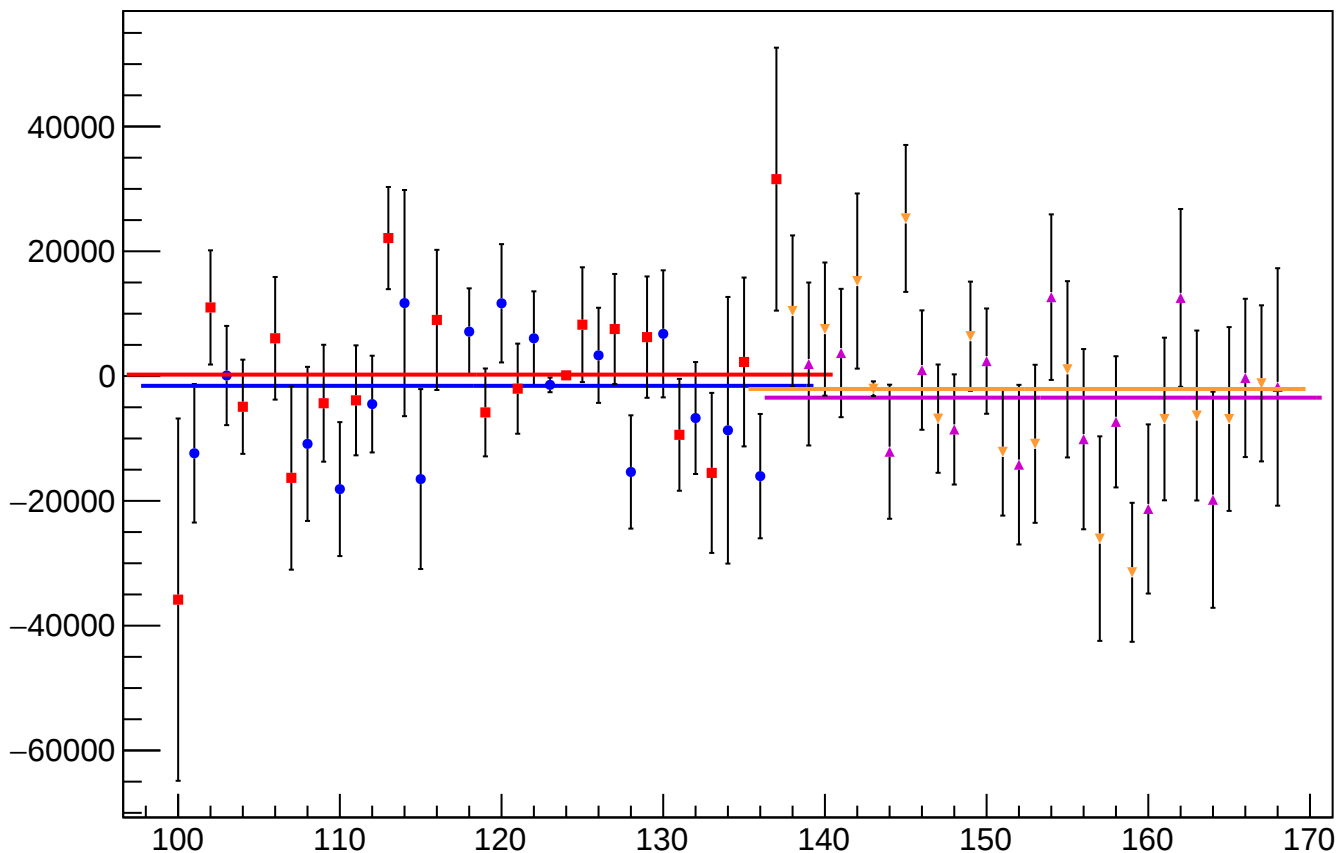
Left In: 2752.724+/-0.570 χ^2/NDF : 84301.0/14

+ sign 2423.089+/-0.408 χ^2/NDF : 1729611.8/32

All: 2409.012+/-0.285 χ^2/NDF : 3029915.5/60

- sign 2395.534+/-0.399 χ^2/NDF : 1297970.4/33

asym_atl2_correction_mean vs Slug



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

Left Out: -2063.704 $\pm$ 1101.566 χ^2 /NDF:21.0/15

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

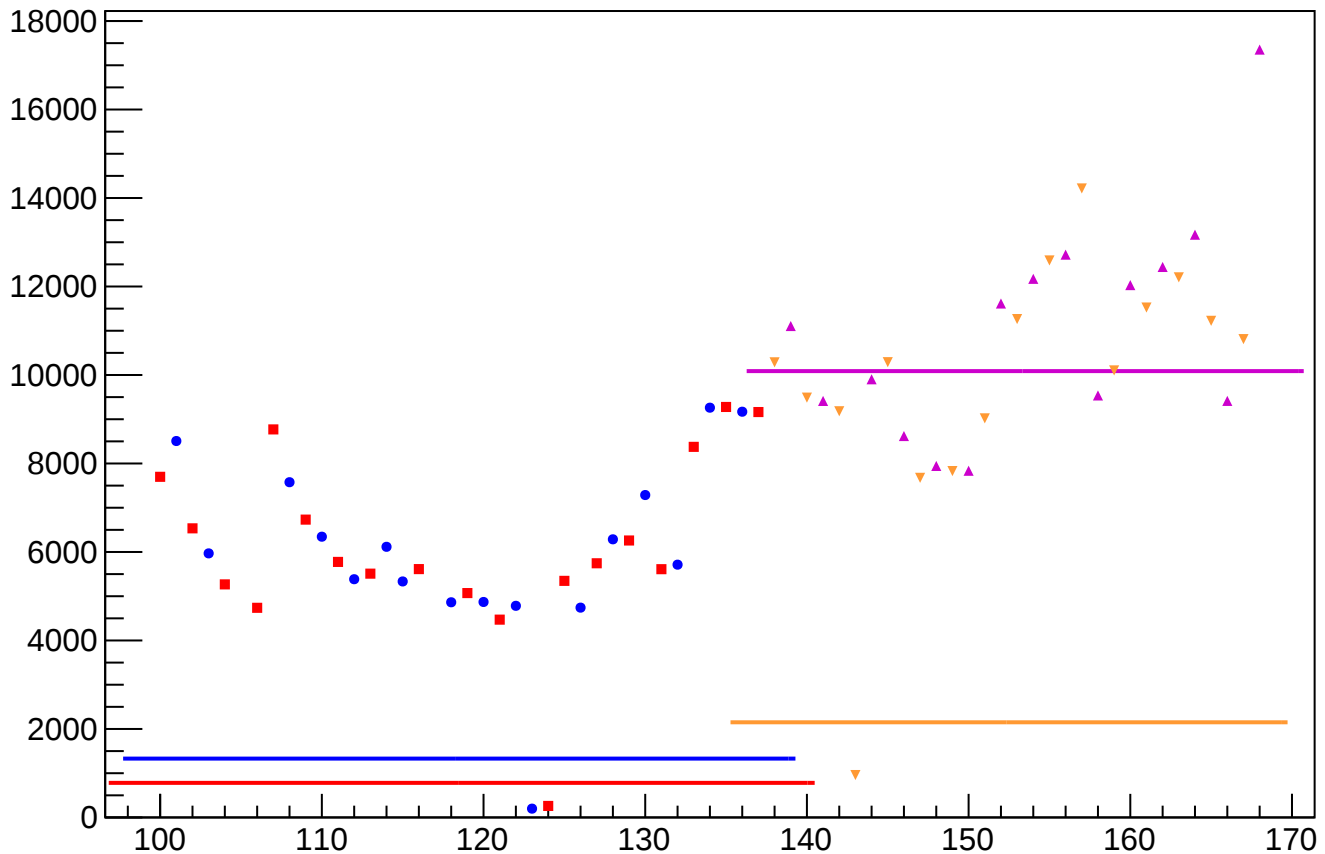
Left In: -3459.367 $\pm$ 3013.808 χ^2 /NDF:8.8/14

+ sign -1802.409 $\pm$ 761.531 χ^2 /NDF: 37.3/32

All: -768.516 $\pm$ 506.127 χ^2 /NDF: 71.6/66

- sign 49.510 $\pm$ 677.381 χ^2 /NDF: 31.0/33

asym_atl2_correction_rms vs Slug



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

Left Out: 2150.714+/-0.779 χ^2/NDF : 15968185.5/15

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

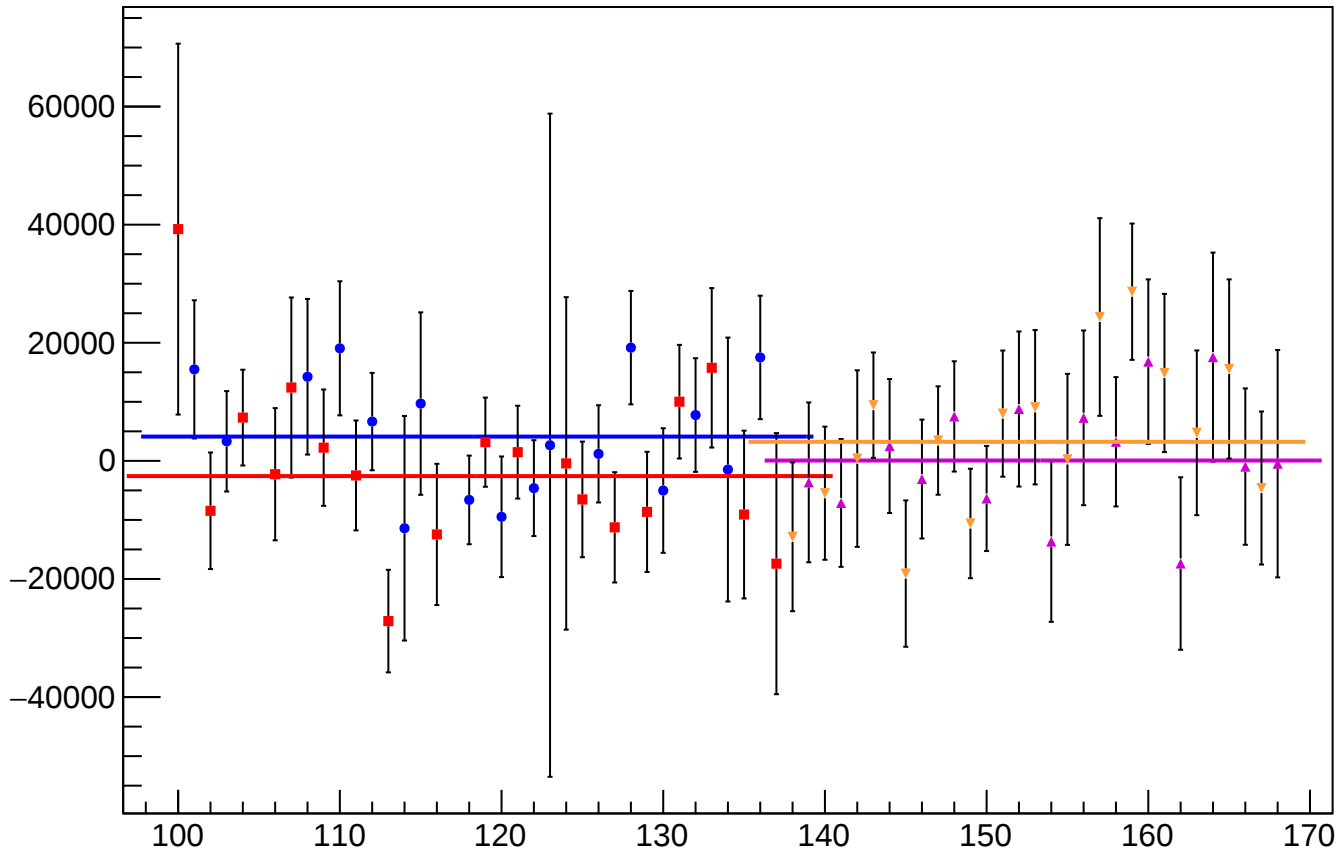
Left In: 10087.829+/-2.131 χ^2/NDF : 934929.2/14

+ sign 1722.365+/-0.538 χ^2/NDF : 26594265.6/32

All: 1459.743+/-0.358 χ^2/NDF : 57500635.0/6

- sign 1251.955+/-0.479 χ^2/NDF : 30480318.2/33

asym_atl2_mean vs Slug



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

Left Out: 3226.700+/-2978.804 χ^2/NDF : 16.9/15

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

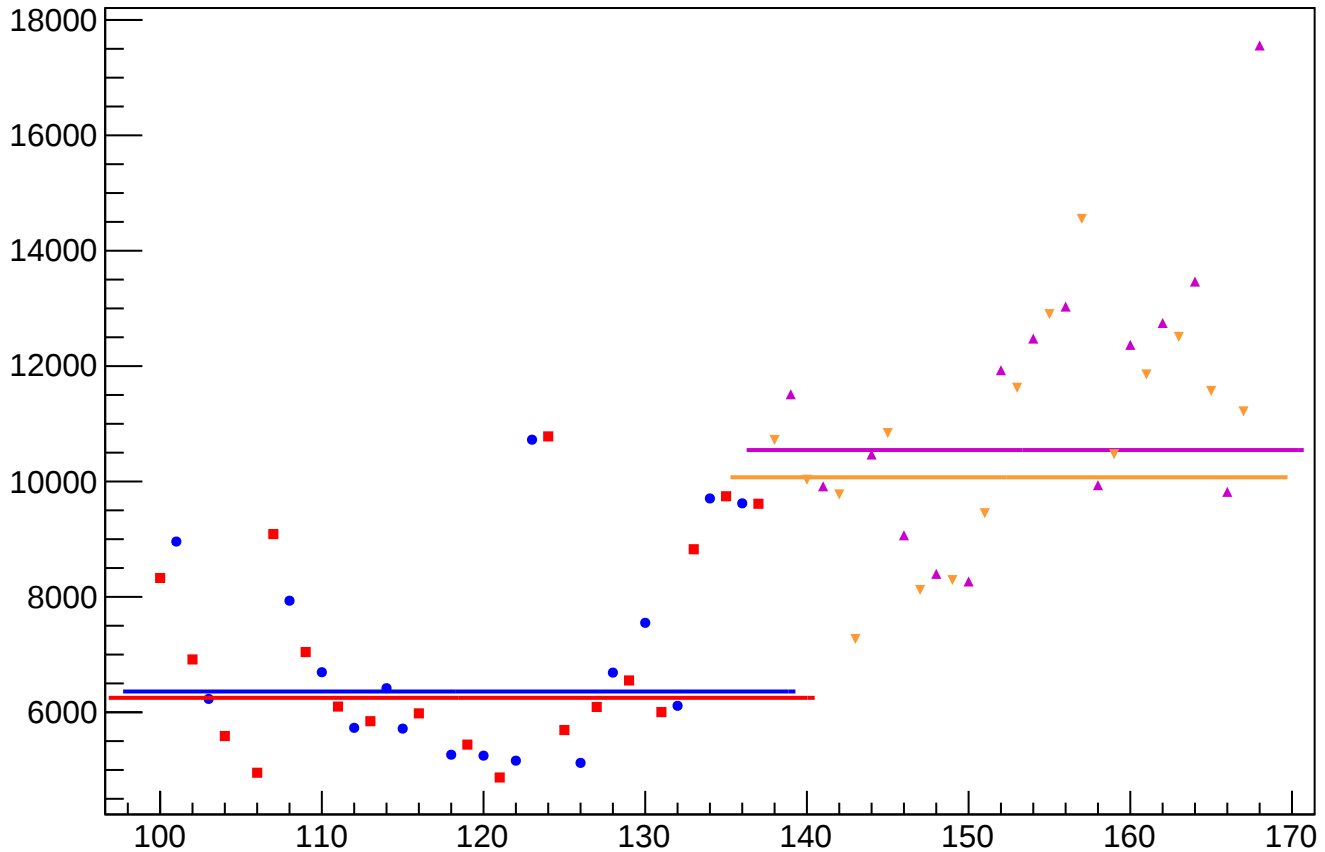
Left In: 61.040+/-3142.433 χ^2/NDF : 7.5/14

+ sign 3740.118+/-1930.306 χ^2/NDF : 31.3/32

All: 1054.852+/-1360.411 χ^2/NDF : 63.0/66

- sign -1595.124+/-1917.580 χ^2/NDF : 27.9/33

asym_atl2_rms vs Slug



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

Left Out: 10073.432 ± 2.106 χ^2/NDF : 763908.2/15

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

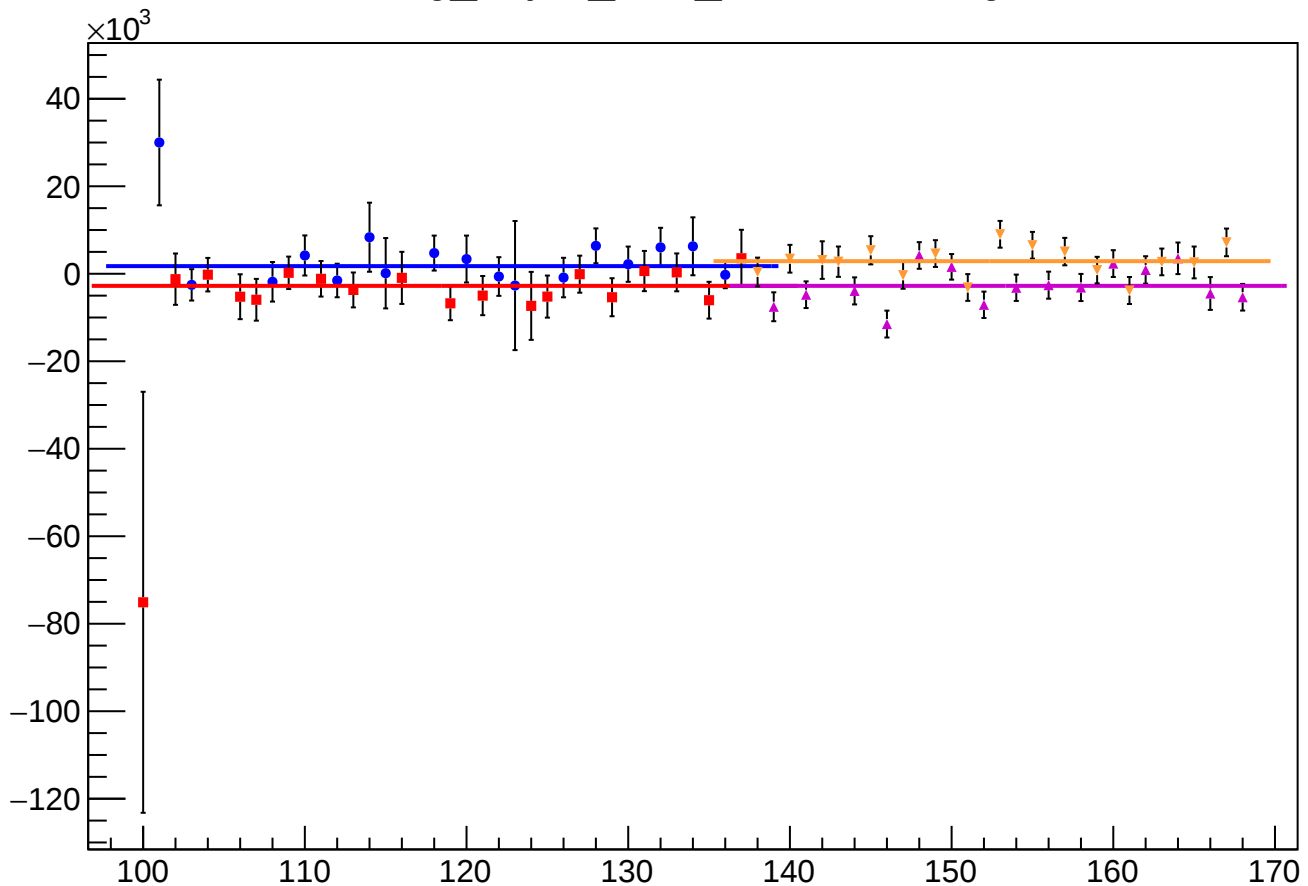
Left In: 10545.095 ± 2.222 χ^2/NDF : 827570.9/14

+ sign 7919.300 ± 1.365 χ^2/NDF : 3147405.8/32

All: 7884.069 ± 0.962 χ^2/NDF : 6854317.2/60

- sign 7849.303 ± 1.356 χ^2/NDF : 3705587.8/33

reg_asym_atr1_mean vs Slug



Right In: 1746.001 $\pm$ 1128.522 χ^2 /NDF: 12.2/16

Left Out: 2881.712 $\pm$ 801.547 χ^2 /NDF:19.4/15

Right Out: -2763.863 $\pm$ 1071.947 χ^2 /NDF: 9.7/18

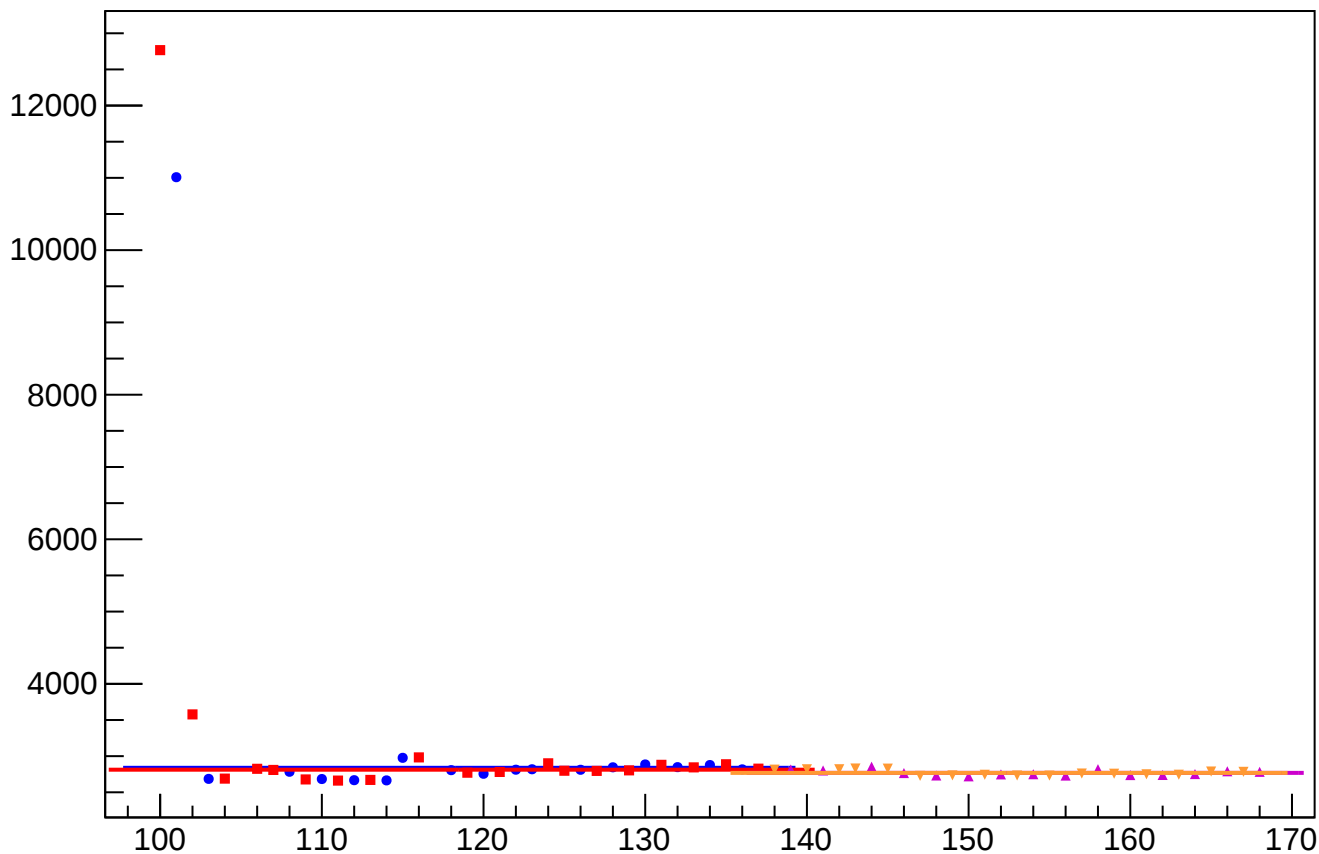
Left In: -2761.605 $\pm$ 809.053 χ^2 /NDF:28.4/14

+ sign 2500.891 $\pm$ 653.487 χ^2 /NDF: 32.3/32

All: -162.040 $\pm$ 459.331 χ^2 /NDF: 103.2/66

- sign -2762.424 $\pm$ 645.767 χ^2 /NDF: 38.1/33

reg_asym_atr1_rms vs Slug



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

Left Out: 2768.341 $\pm$ 0.567 χ^2 /NDF: 4096.3/15

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

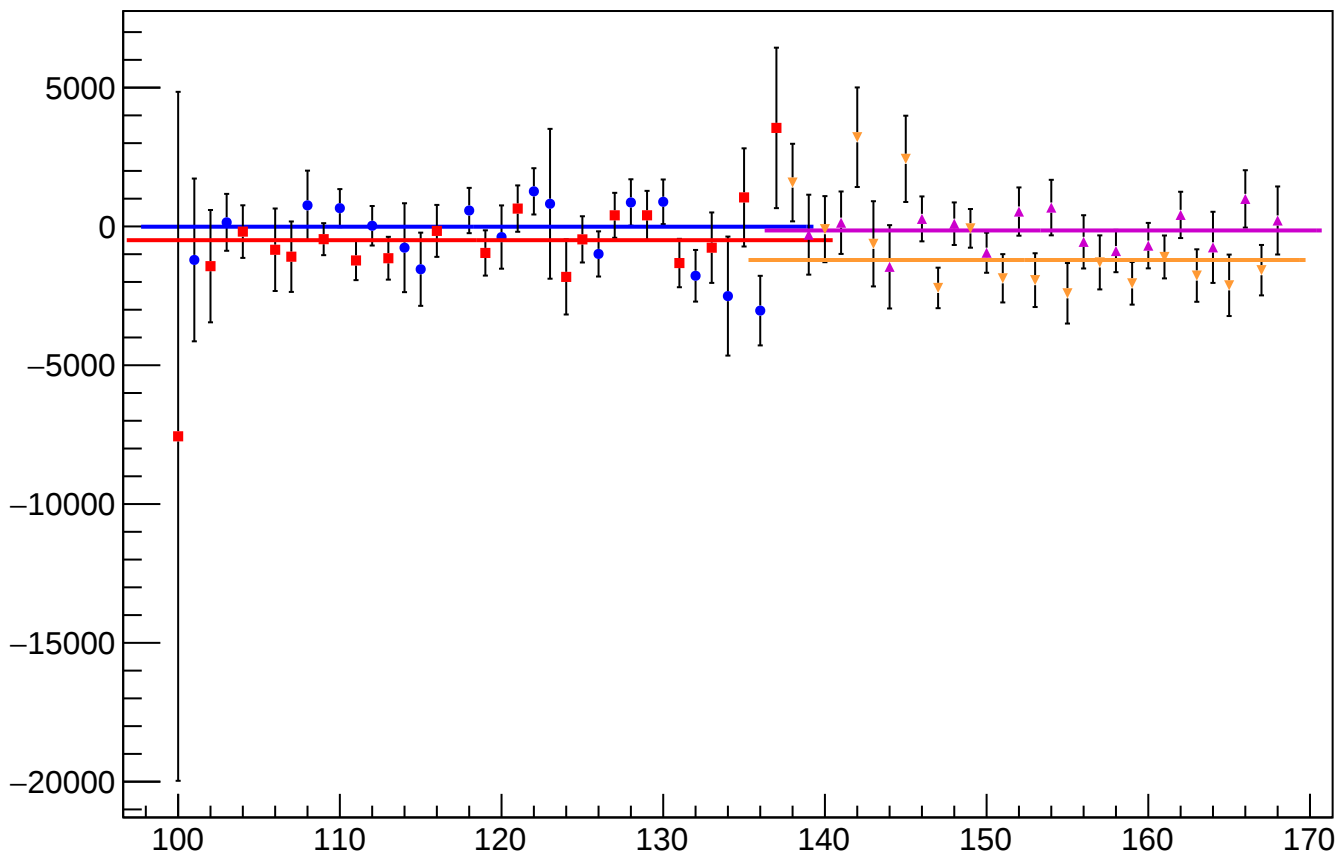
Left In: 2768.613 $\pm$ 0.572 χ^2 /NDF: 4519.8/14

+ sign 2791.946 $\pm$ 0.462 χ^2 /NDF: 669478.5/32

All: 2788.222 $\pm$ 0.325 χ^2 /NDF: 809338.8/66

- sign 2784.586 $\pm$ 0.457 χ^2 /NDF: 139732.0/33

asym_atr1_correction_mean vs Slug



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

Left Out: -1209.111 ± 241.743 χ^2/NDF : 25.9/15

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

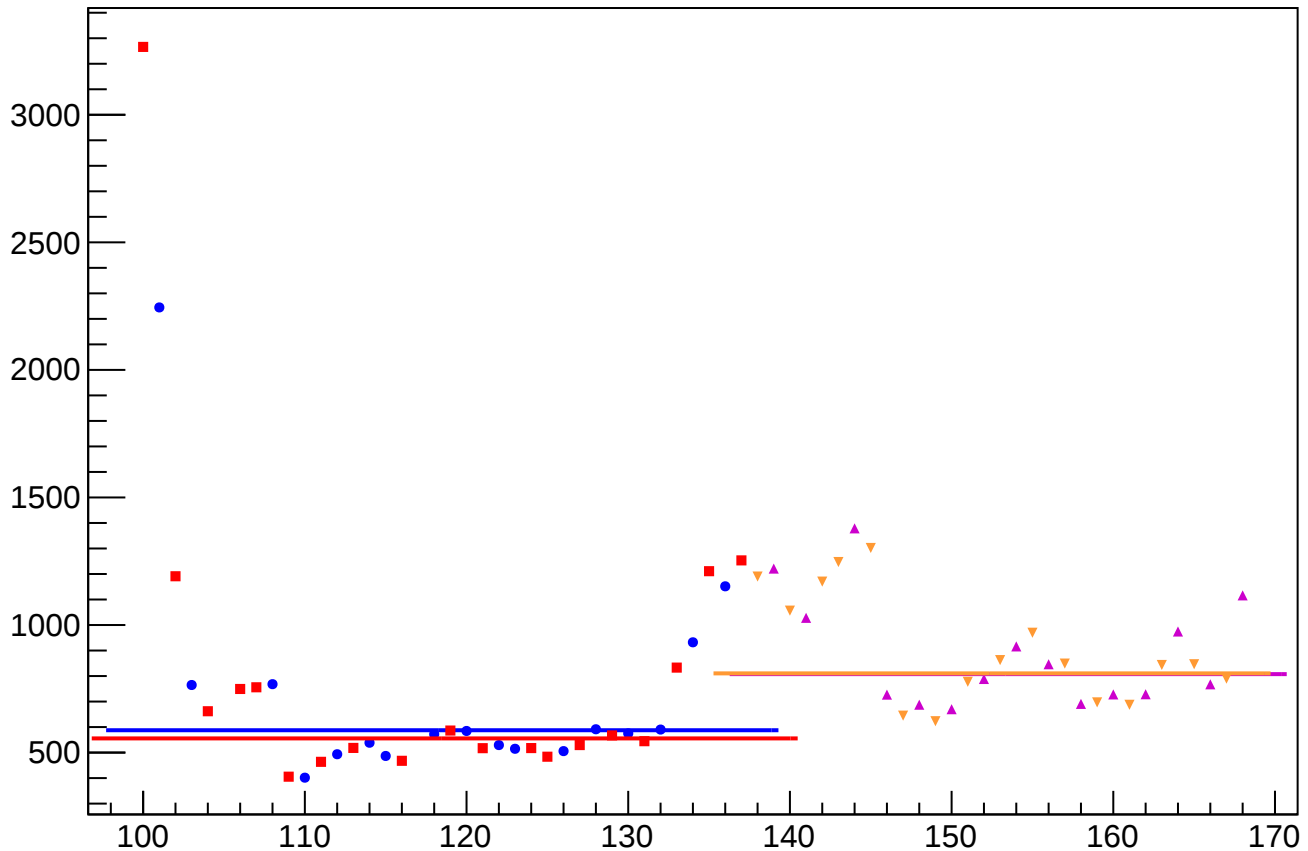
Left In: -144.679 ± 241.545 χ^2/NDF : 7.3/14

+ sign -609.316 ± 170.915 χ^2/NDF : 58.9/32

All: -465.930 ± 118.051 χ^2/NDF : 80.6/66

- sign -335.123 ± 163.246 χ^2/NDF : 20.3/33

asym_atr1_correction_rms vs Slug



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

Left Out: 810.442+/-0.171 χ^2/NDF :1077985.4/15

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

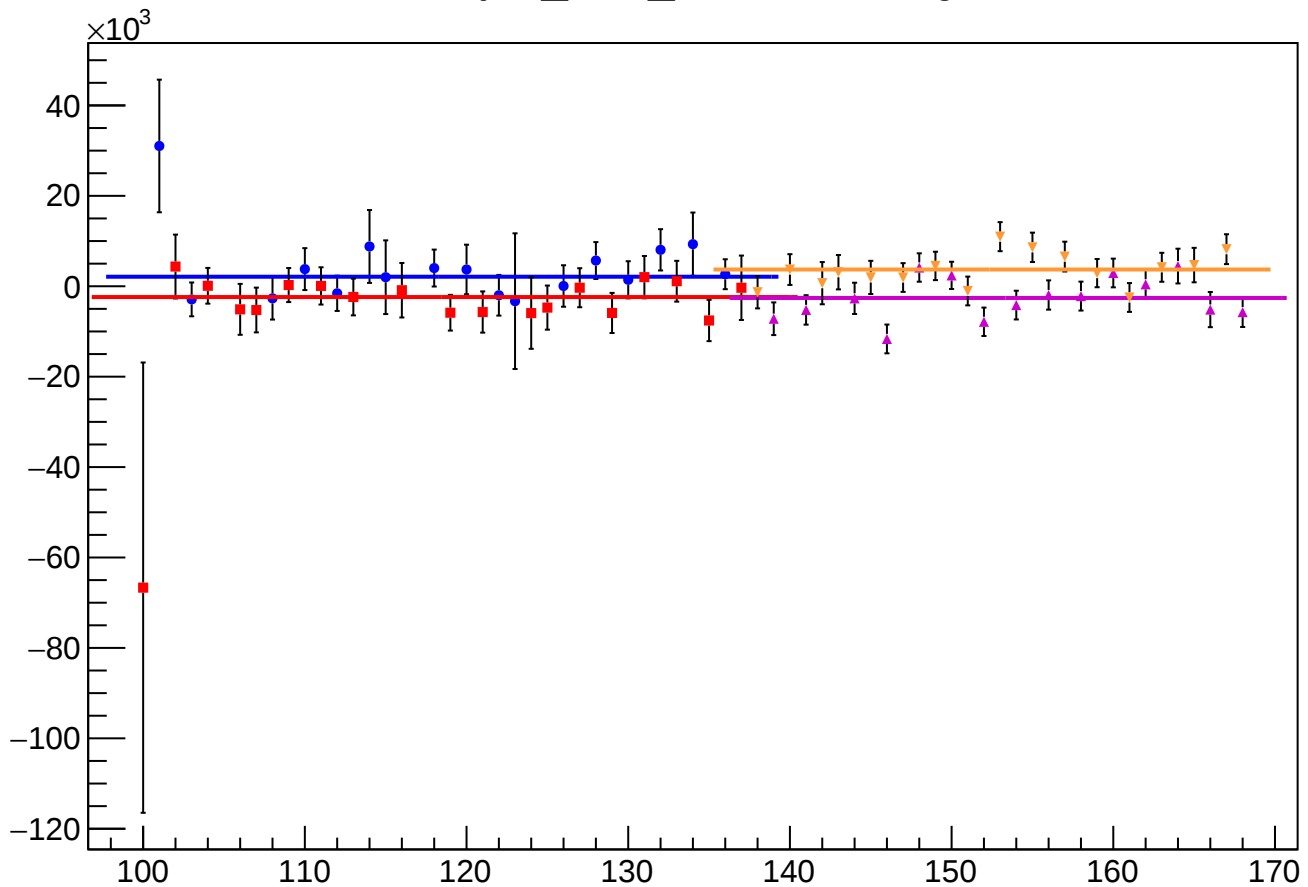
Left In: 807.521+/-0.171 χ^2/NDF :948261.6/14

+ sign 698.989+/-0.121 χ^2/NDF : 3353750.1/32

All: 684.160+/-0.083 χ^2/NDF : 6620003.1/66

- sign 670.632+/-0.115 χ^2/NDF : 3237462.7/33

asym_atr1_mean vs Slug



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

Left Out: 3704.684 $\pm$ 846.630 χ^2 /NDF:19.2/15

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

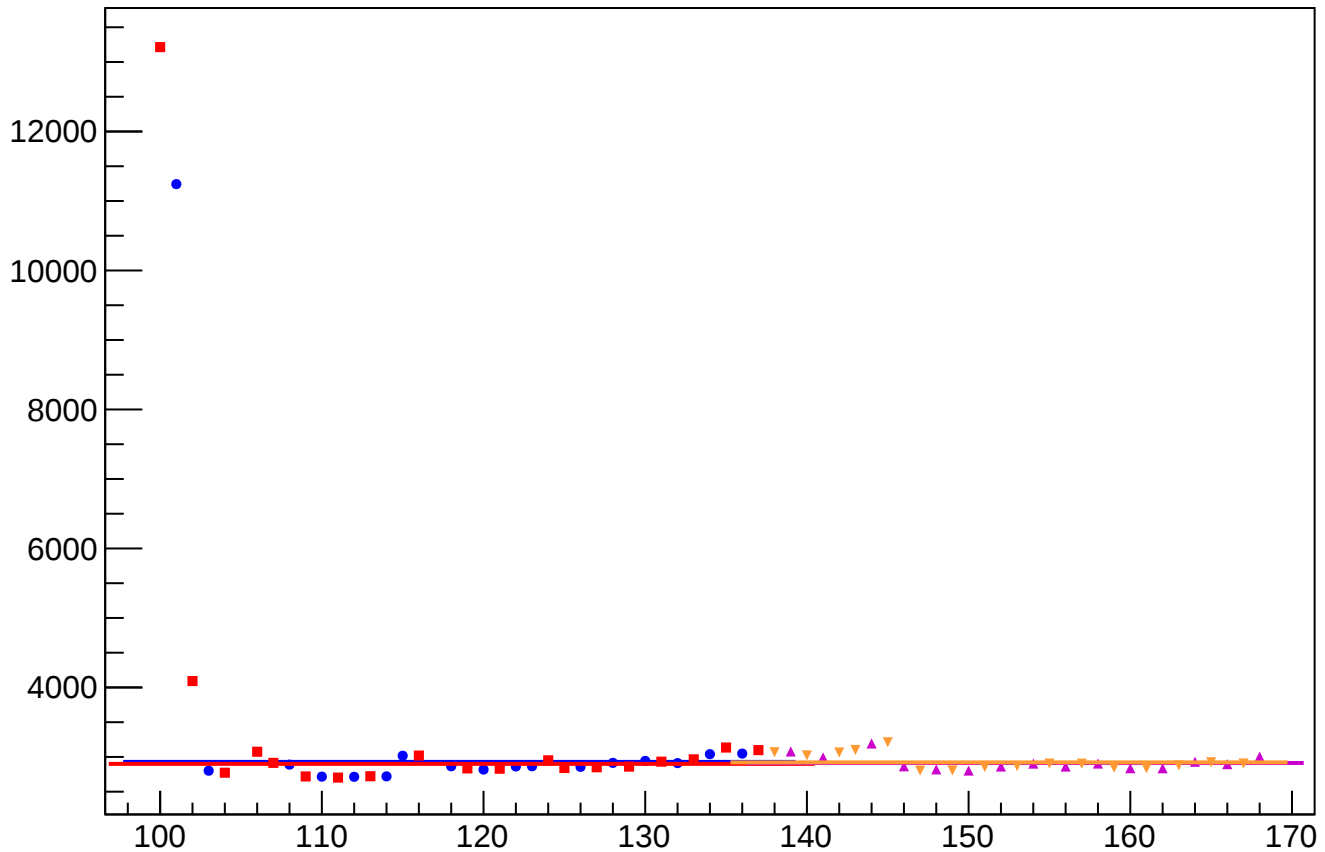
Left In: -2591.665 $\pm$ 851.722 χ^2 /NDF:29.5/14

+ sign 3152.627 $\pm$ 684.745 χ^2 /NDF: 33.9/32

All: 281.240 $\pm$ 480.985 χ^2 /NDF: 108.0/66

- sign -2515.415 $\pm$ 675.775 χ^2 /NDF: 39.4/33

asym_atr1_rms vs Slug



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

Left Out: 2921.766+/-0.599 χ^2/NDF : 33942.6/15

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

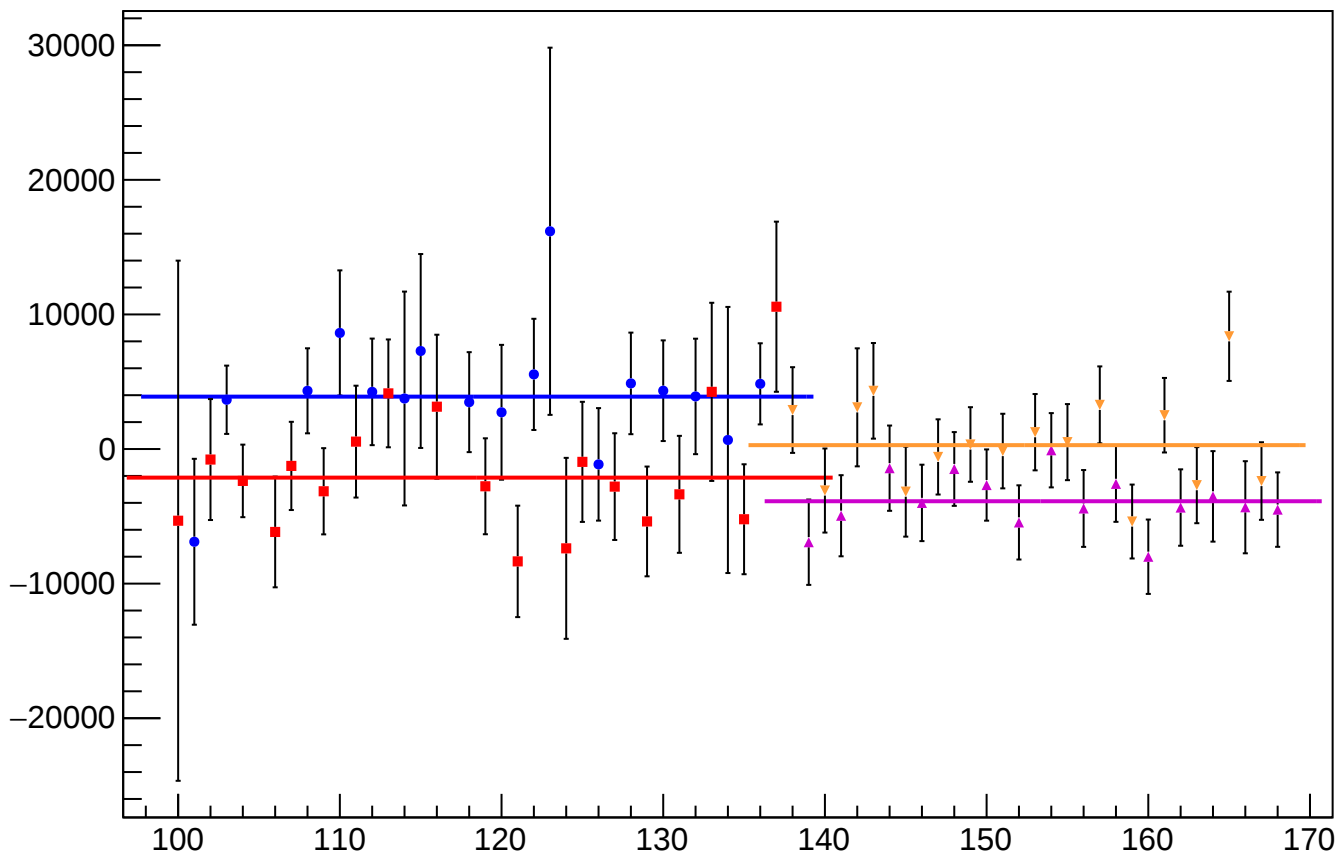
Left In: 2913.125+/-0.602 χ^2/NDF : 28278.7/14

+ sign 2924.164+/-0.484 χ^2/NDF : 696351.9/32

All: 2916.197+/-0.340 χ^2/NDF : 895049.1/66

- sign 2908.438+/-0.478 χ^2/NDF : 198162.8/33

reg_asym_atr2_mean vs Slug



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

Left Out: 288.131 ± 749.114 χ^2/NDF : 18.8/15

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

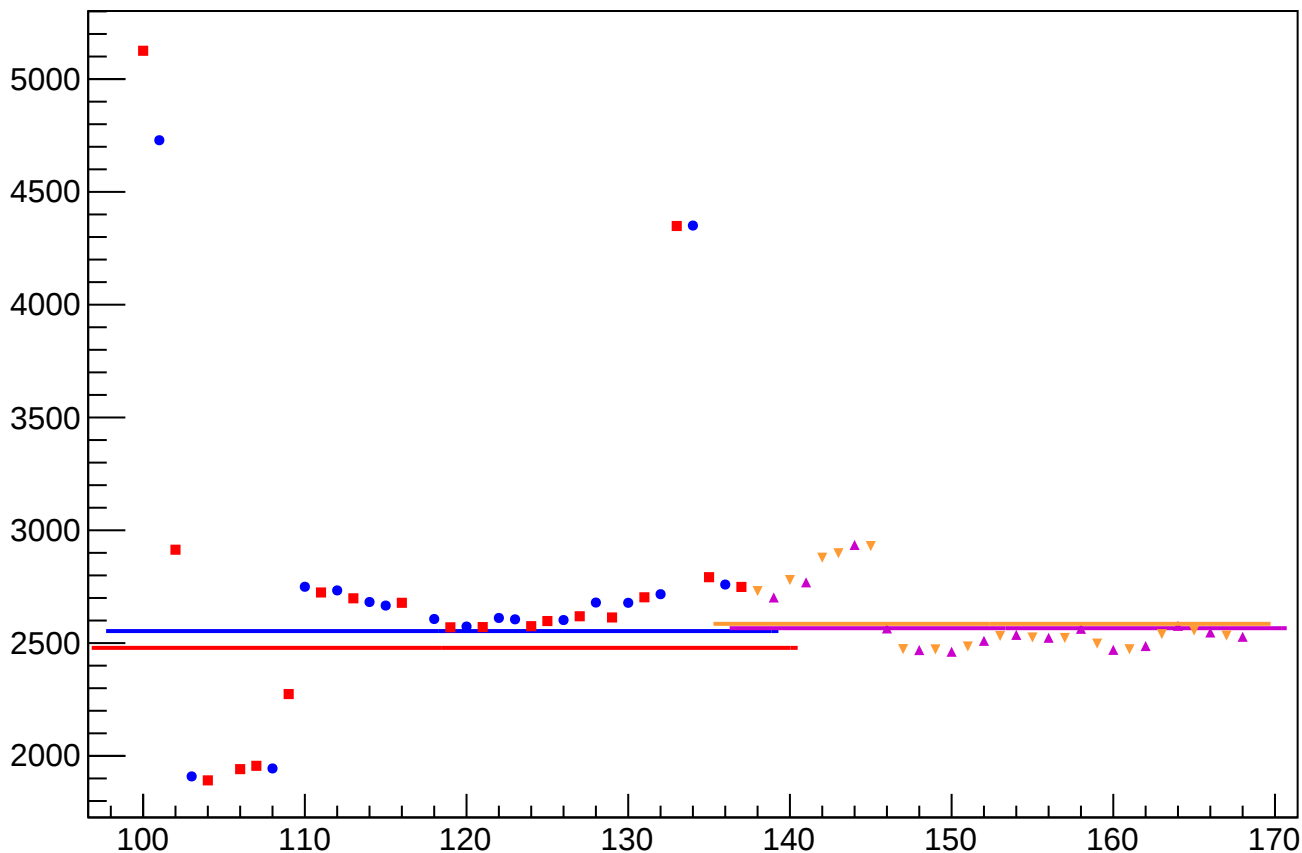
Left In: -3879.090 ± 749.546 χ^2/NDF : 7.4/14

+ sign 1564.470 ± 602.043 χ^2/NDF : 34.1/32

All: -870.945 ± 421.542 χ^2/NDF : 90.0/66

- sign -3213.284 ± 590.427 χ^2/NDF : 23.8/33

reg_asym_atr2_rms vs Slug



Right In: 2553.280 $\pm$ 0.715 χ^2 /NDF: 545226.9/16

Left Out: 2585.356 $\pm$ 0.530 χ^2 /NDF: 76052.6/15

Right Out: 2478.860 $\pm$ 0.678 χ^2 /NDF: 449502.6/18

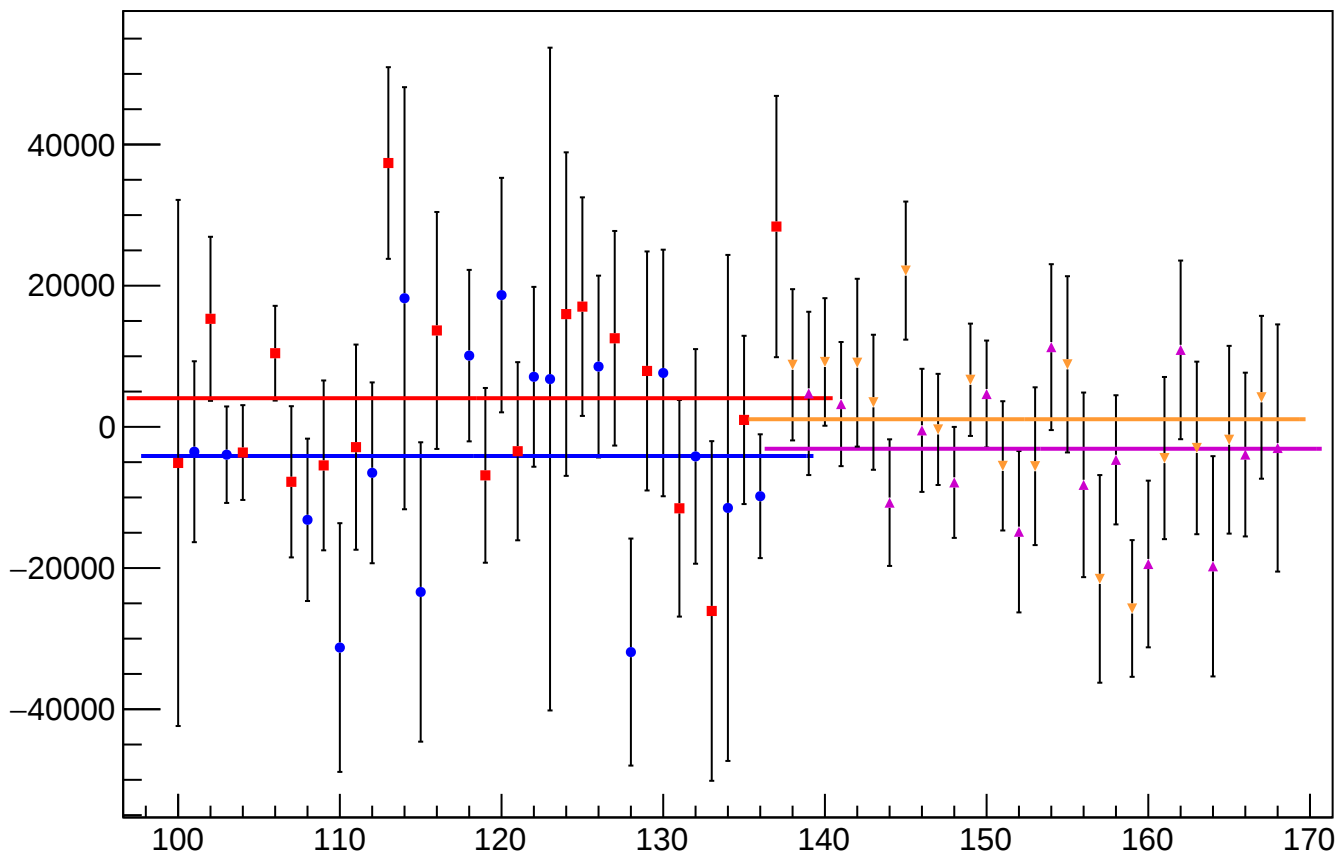
Left In: 2566.005 $\pm$ 0.530 χ^2 /NDF: 51457.5/14

+ sign 2573.998 $\pm$ 0.426 χ^2 /NDF: 622577.9/32

All: 2553.065 $\pm$ 0.298 χ^2 /NDF: 1138541.1/60

- sign 2532.933 $\pm$ 0.417 χ^2 /NDF: 511220.0/33

asym_atr2_correction_mean vs Slug



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

Left Out: 1082.102 ± 2578.199 $\chi^2/\text{NDF}: 18.8/15$

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

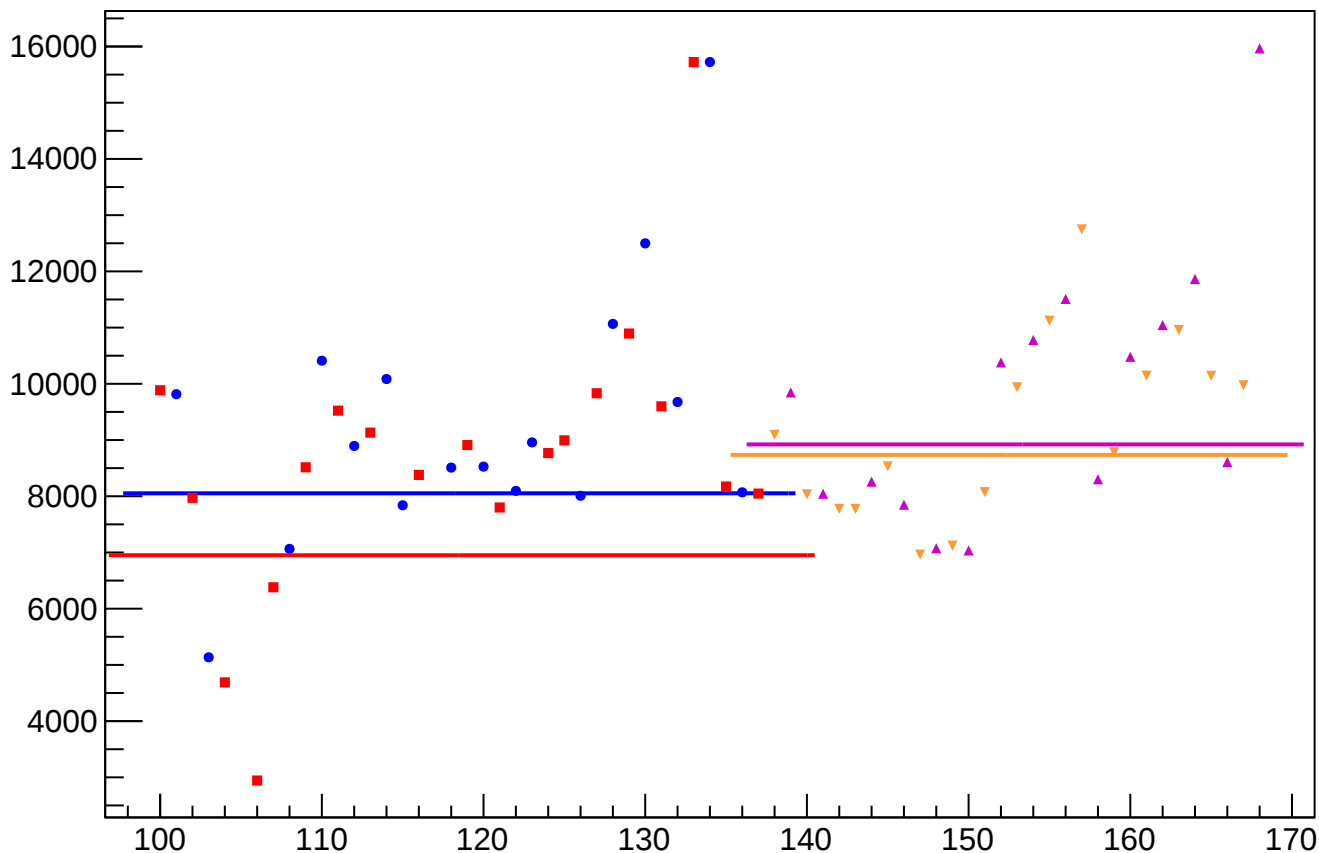
Left In: -3102.010 ± 2667.574 $\chi^2/\text{NDF}: 10.2/14$

+ sign -947.152 ± 2014.281 $\chi^2/\text{NDF}: 33.7/32$

All: -320.513 ± 1398.256 $\chi^2/\text{NDF}: 66.0/66$

- sign 262.282 ± 1942.537 $\chi^2/\text{NDF}: 32.1/33$

asym_atr2_correction_rms vs Slug



Right In: 8052.552 ± 2.282 $\chi^2/\text{NDF}: 790724.2/16$

Left Out: 6950.943 ± 2.004 $\chi^2/\text{NDF}: 1776578.9/18$

Right Out: 8734.912 ± 1.823 $\chi^2/\text{NDF}: 629274.3/15$

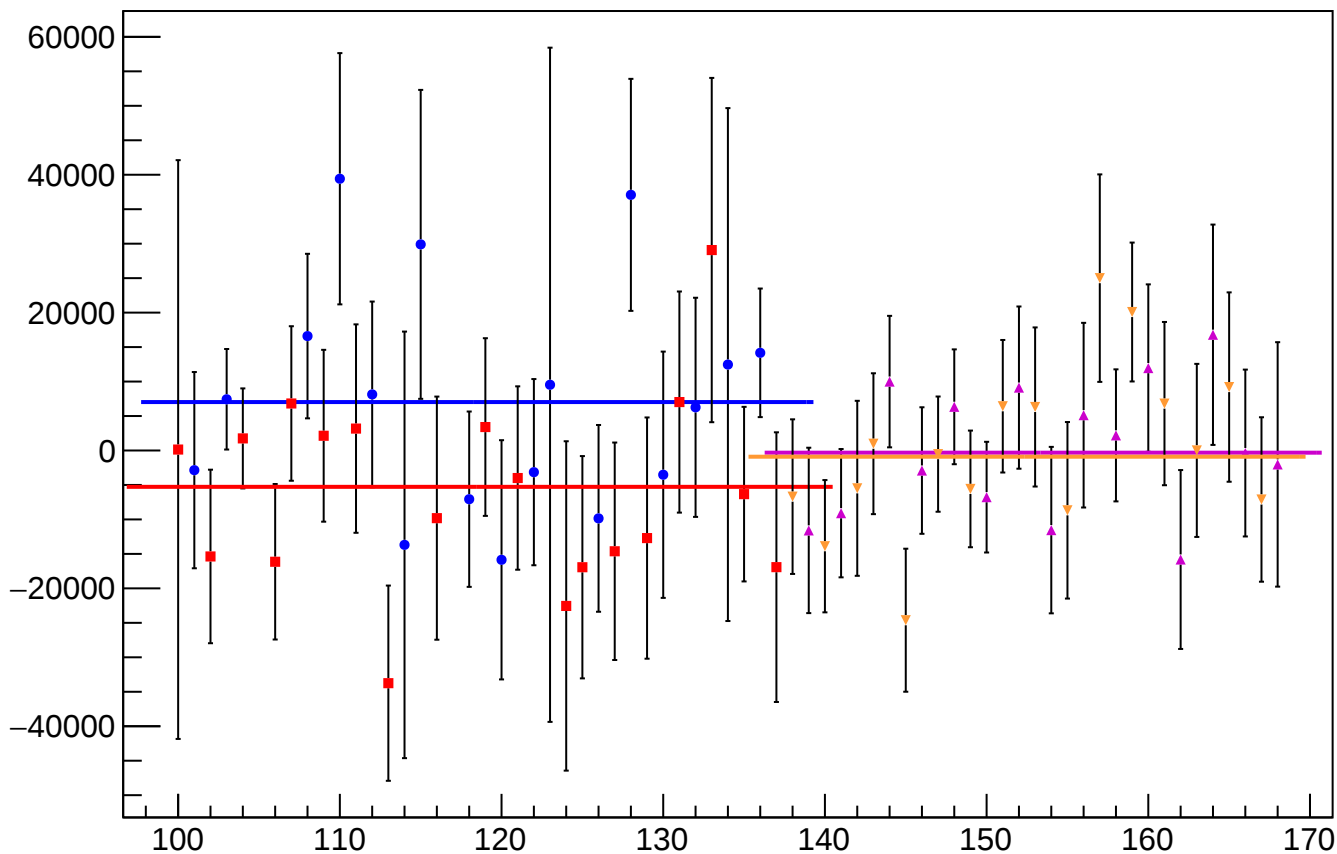
Left In: 8921.975 ± 1.886 $\chi^2/\text{NDF}: 965873.1/14$

+ sign 8469.058 ± 1.424 $\chi^2/\text{NDF}: 1474581.3/32$

All: 8224.028 ± 0.989 $\chi^2/\text{NDF}: 4787042.1/60$

- sign 7996.142 ± 1.374 $\chi^2/\text{NDF}: 3255340.3/33$

asym_atr2_mean vs Slug



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

Left Out: -901.627+/-2704.748 χ^2/NDF : 17.7/15

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

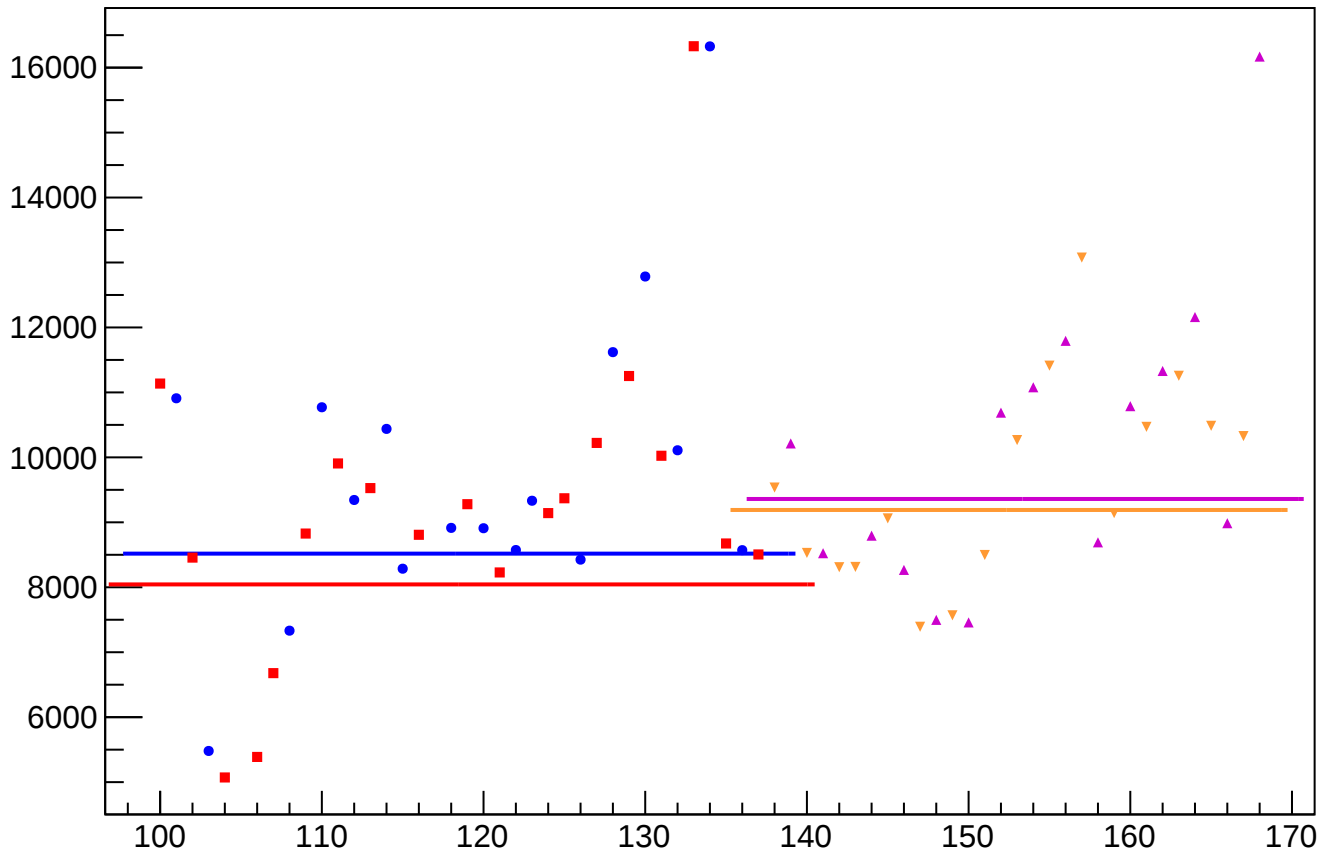
Left In: -317.076+/-2789.700 χ^2/NDF : 9.7/14

+ sign 2160.178+/-2118.961 χ^2/NDF : 36.0/32

All: -188.194+/-1489.325 χ^2/NDF : 62.8/66

- sign -2480.934+/-2093.712 χ^2/NDF : 24.4/33

asym_atr2_rms vs Slug



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

Left Out: 9190.124+/-1.913 χ^2/NDF : 537052.1/15

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

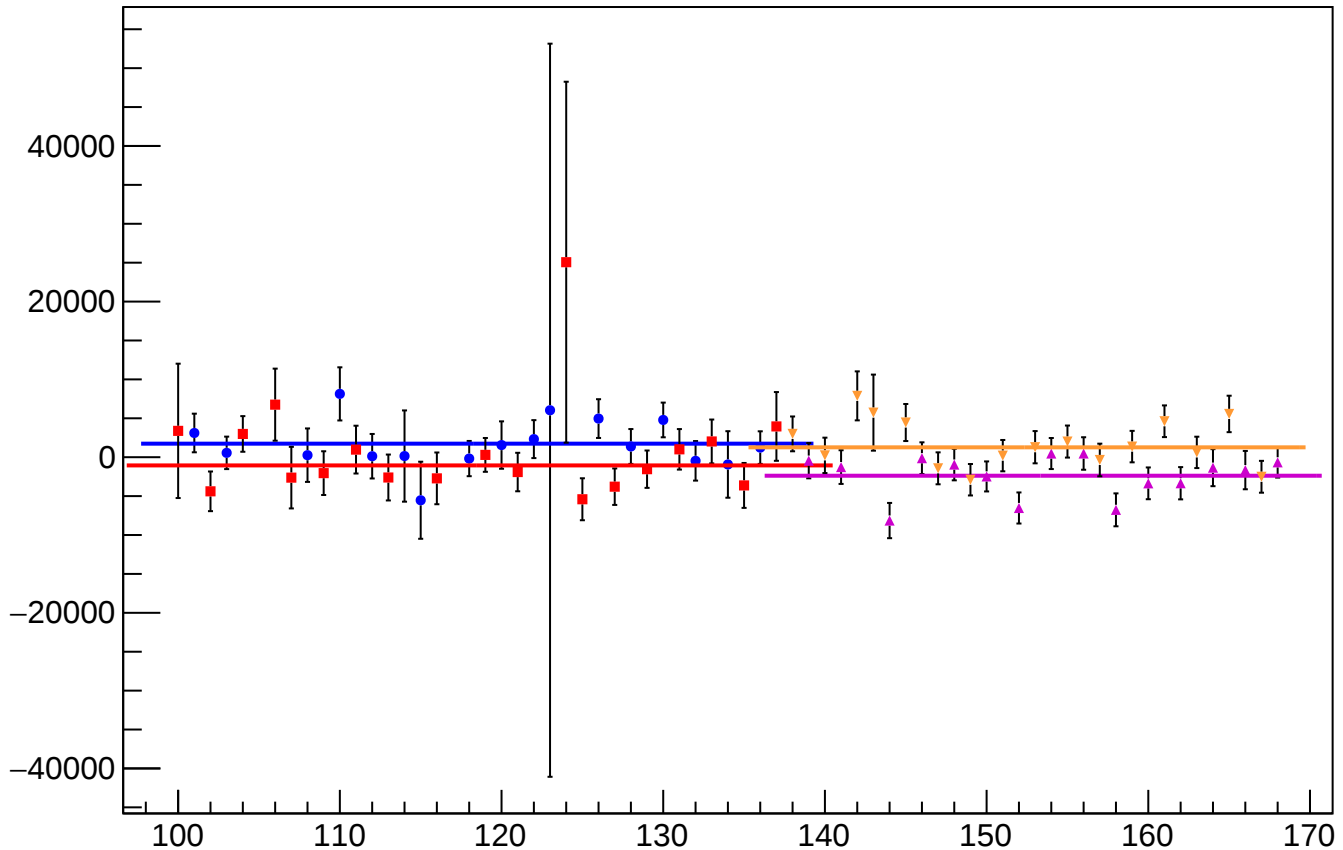
Left In: 9359.357+/-1.973 χ^2/NDF : 847690.9/14

+ sign 8930.473+/-1.498 χ^2/NDF : 1348052.2/32

All: 8856.803+/-1.053 χ^2/NDF : 3346838.4/60

- sign 8784.881+/-1.480 χ^2/NDF : 1994008.6/33

reg_asym_atl_avg_mean vs Slug



Right In: 1739.640 $\pm$ 670.395 χ^2 /NDF: 12.4/16

Left Out: 1267.976 $\pm$ 551.288 χ^2 /NDF: 24.4/15

Right Out: -1055.584 $\pm$ 670.984 χ^2 /NDF: 18.9/18

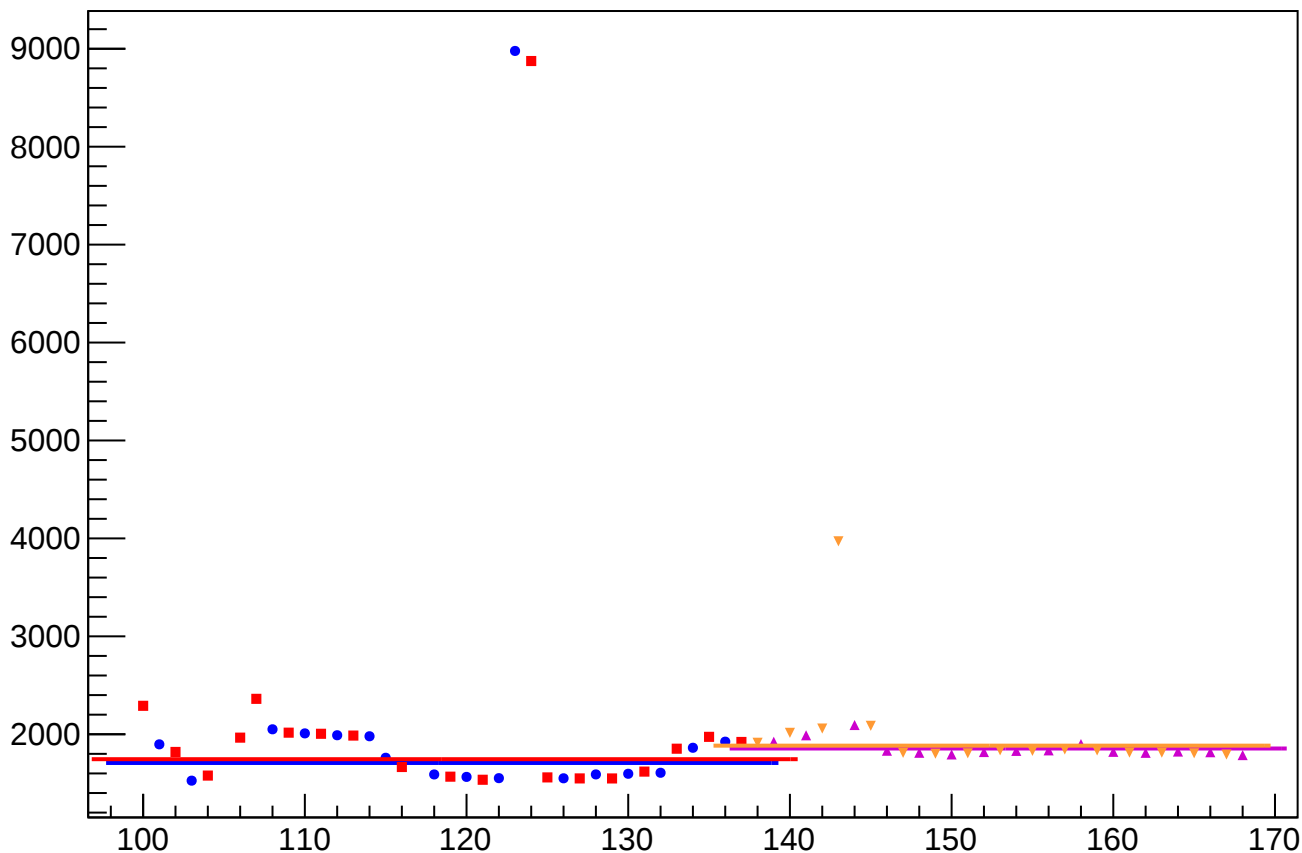
Left In: -2380.683 $\pm$ 543.573 χ^2 /NDF: 23.2/14

+ sign 1458.257 $\pm$ 425.806 χ^2 /NDF: 37.1/32

All: -212.120 $\pm$ 299.867 χ^2 /NDF: 112.1/66

- sign -1855.629 $\pm$ 422.367 χ^2 /NDF: 44.4/33

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1883.658+/-0.390 χ^2/NDF : 416466.7/15

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

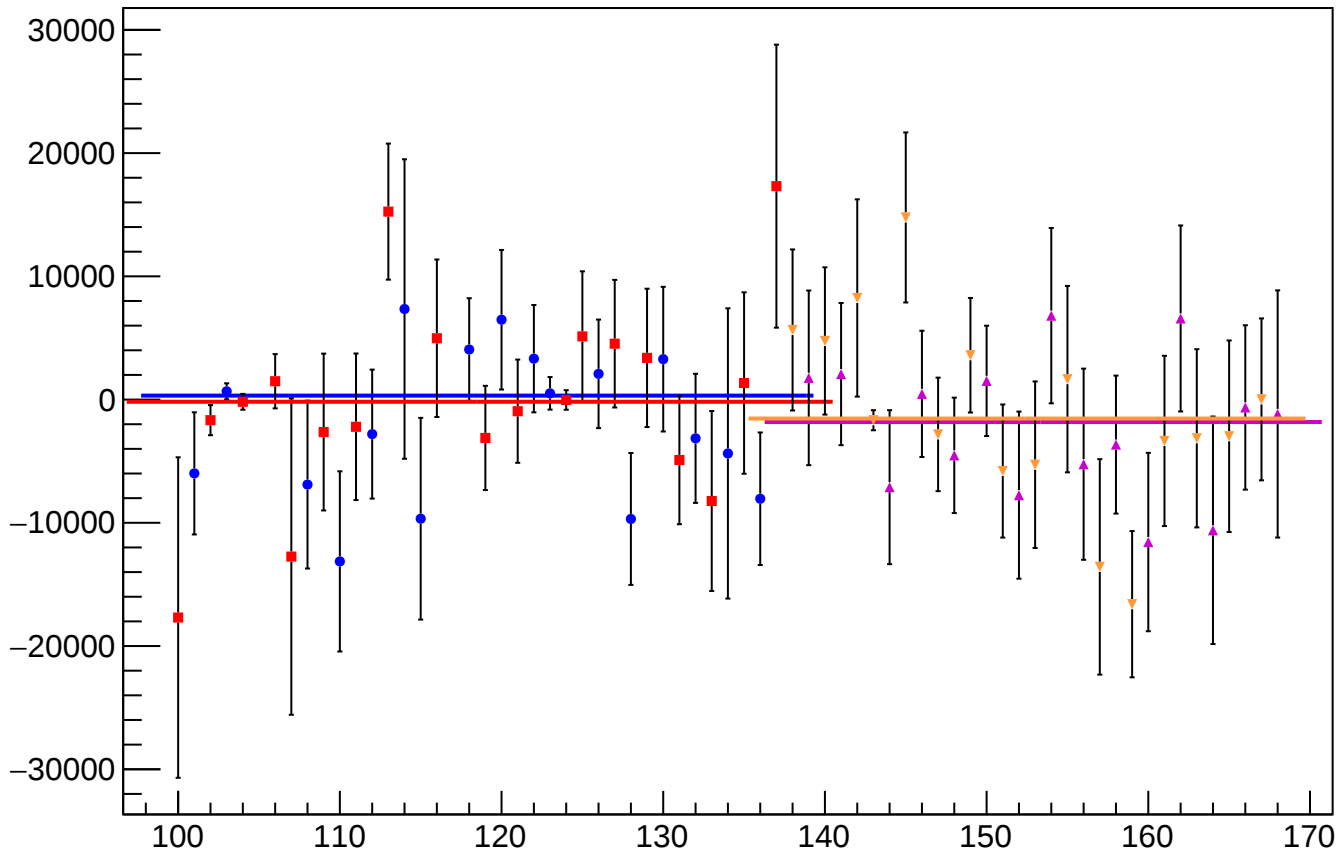
Left In: 1854.521+/-0.384 χ^2/NDF : 41816.3/14

+ sign 1812.336+/-0.301 χ^2/NDF : 696998.4/32

All: 1811.694+/-0.212 χ^2/NDF : 1170724.8/60

- sign 1811.064+/-0.298 χ^2/NDF : 473717.4/33

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1539.850 $\pm$ 728.733 χ^2 /NDF:20.4/15

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

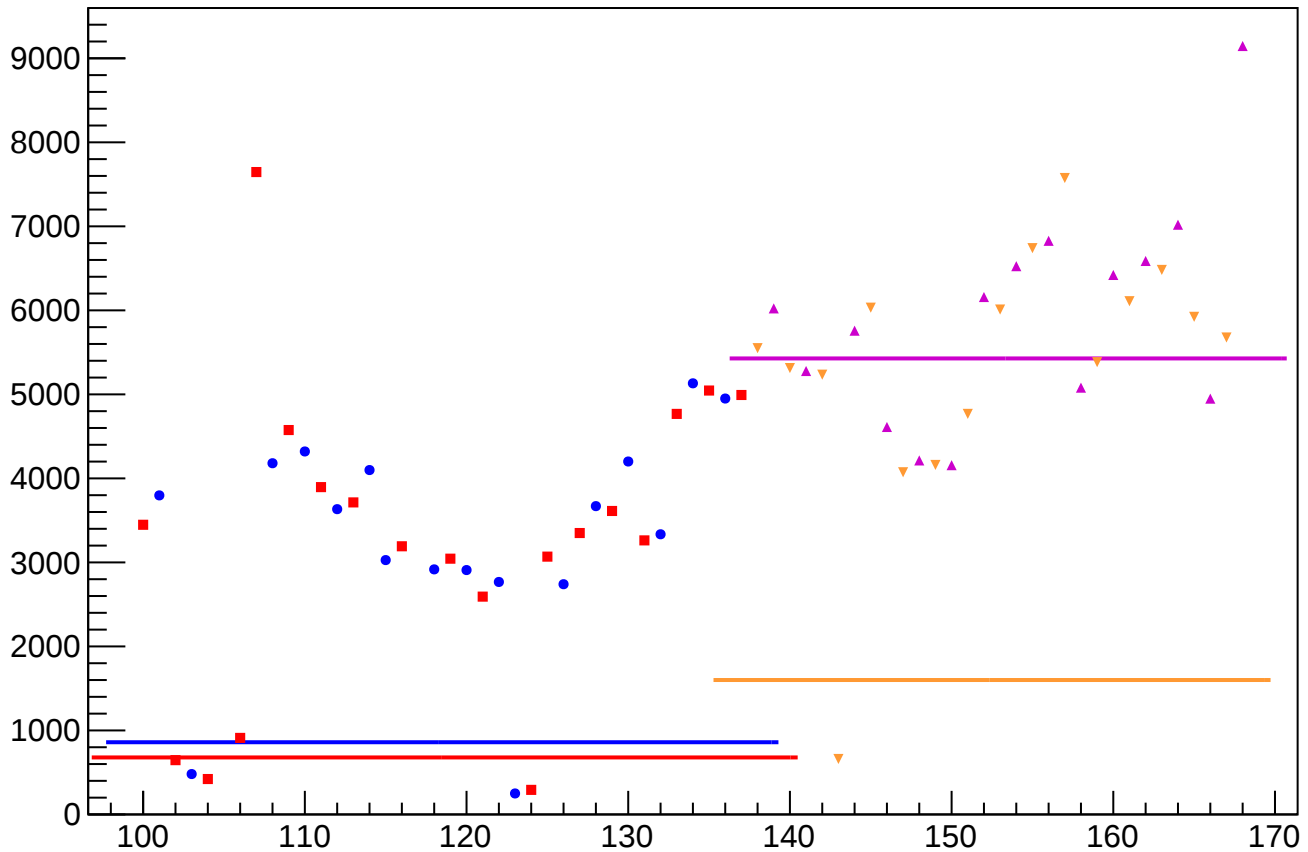
Left In: -1818.904 $\pm$ 1622.093 χ^2 /NDF:9.0/14

+ sign -339.274 $\pm$ 434.063 χ^2 /NDF: 42.6/32

All: -311.758 $\pm$ 301.406 χ^2 /NDF: 73.4/66

- sign -286.138 $\pm$ 418.849 χ^2 /NDF: 30.8/33

asym_atl_avg_correction_rms vs Slug



Right In: 859.557+/-0.382 χ^2/NDF : 8143264.5/16

Left Out: 1600.128+/-0.515 χ^2/NDF : 13947223.0/15

Right Out: 678.603+/-0.307 χ^2/NDF : 8384814.2/18

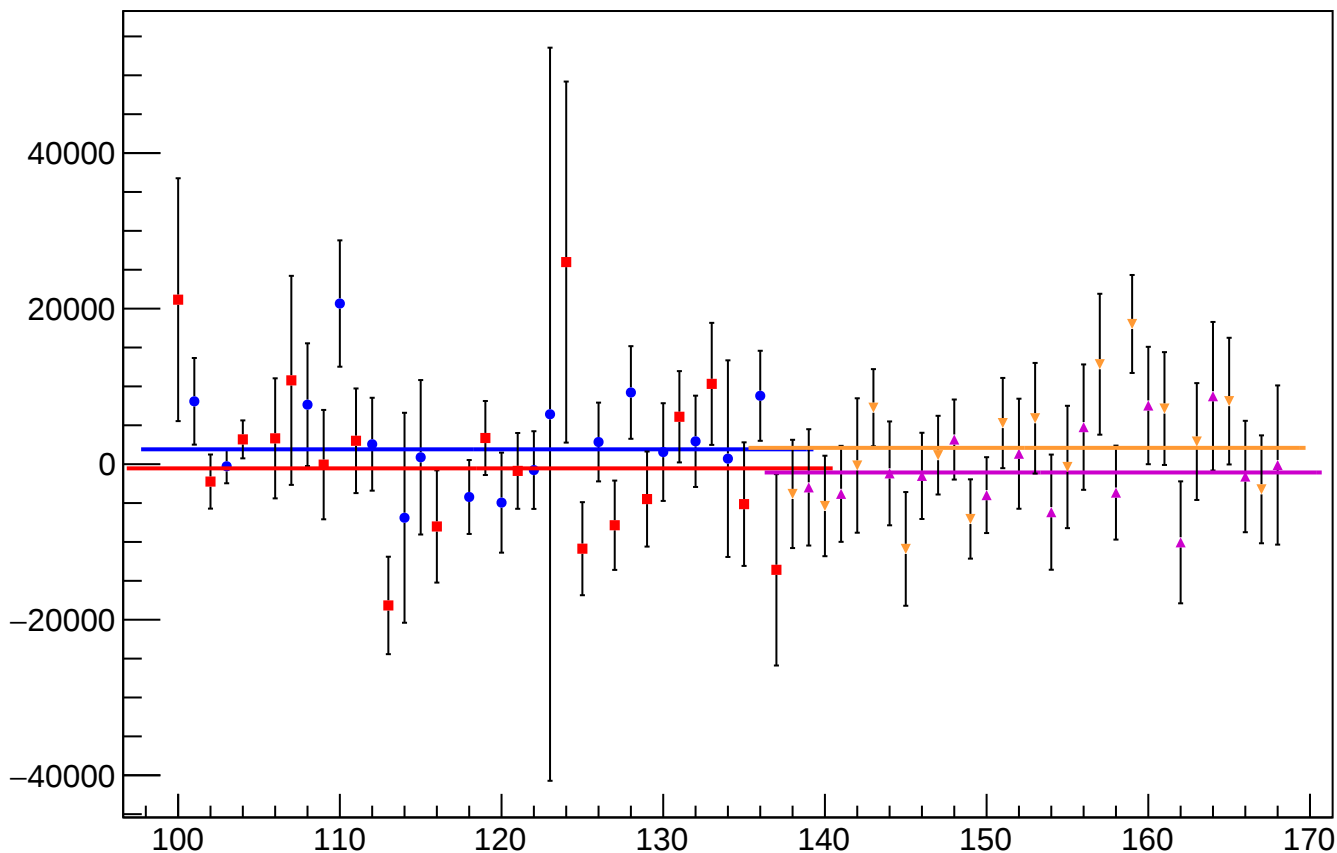
Left In: 5427.713+/-1.147 χ^2/NDF : 940741.2/14

+ sign 1122.303+/-0.307 χ^2/NDF : 23423175.9/32

All: 1056.511+/-0.213 χ^2/NDF : 48838054.6/6

- sign 995.250+/-0.296 χ^2/NDF : 25326145.7/33

asym_atl_avg_mean vs Slug



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

Left Out: 2096.962+/-1642.924 χ^2/NDF : 19.7/15

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

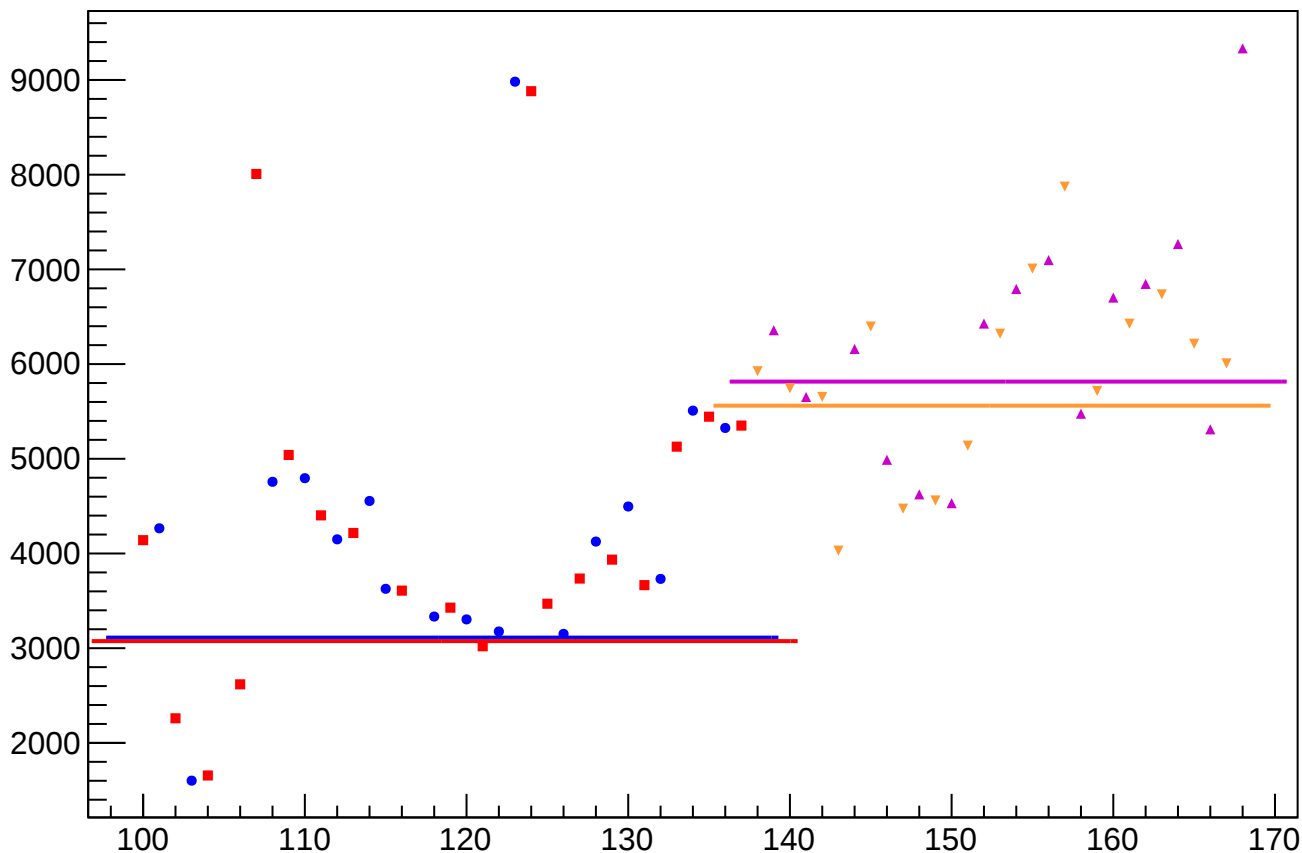
Left In: -1068.184+/-1731.093 χ^2/NDF : 6.3/14

+ sign 1982.283+/-1024.361 χ^2/NDF : 34.4/32

All: 637.745+/-727.096 χ^2/NDF : 70.6/66

- sign -727.507+/-1032.221 χ^2/NDF : 32.7/33

asym_atl_avg_rms vs Slug



Right In: 3111.825+/-0.926 χ^2/NDF : 1879558.6/16

Left Out: 5560.887+/-1.162 χ^2/NDF : 724648.5/15

Right Out: 3074.771+/-0.896 χ^2/NDF : 2005627.6/18

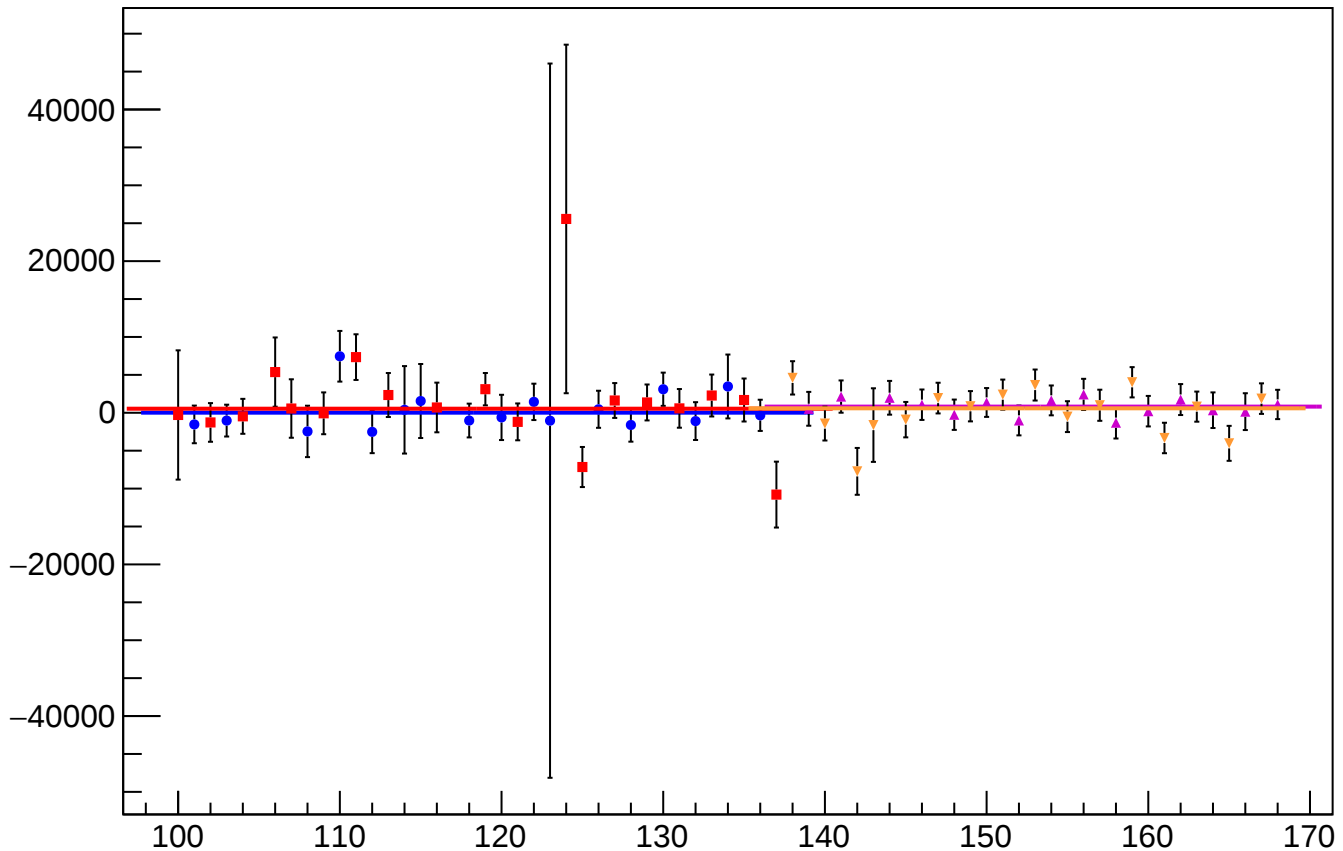
Left In: 5815.001+/-1.224 χ^2/NDF : 768863.6/14

+ sign 4063.893+/-0.724 χ^2/NDF : 5320738.1/32

All: 4047.340+/-0.512 χ^2/NDF : 11359210.6/6

- sign 4030.846+/-0.723 χ^2/NDF : 6037429.8/33

reg_asym_atl_dd_mean vs Slug



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

Left Out: 588.788+/-543.010 χ^2/NDF : 27.1/15

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

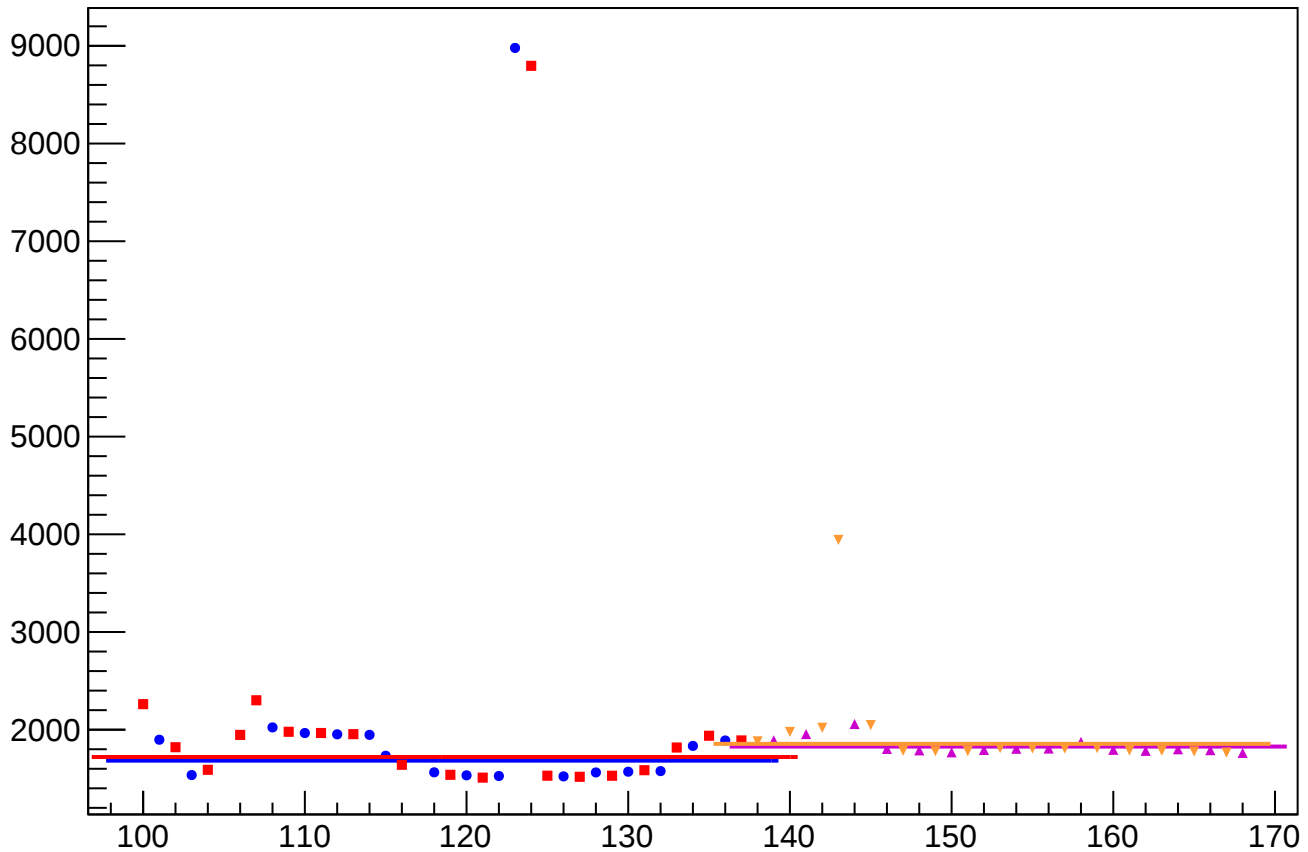
Left In: 813.409+/-535.609 χ^2/NDF : 4.2/14

+ sign 357.276+/-419.610 χ^2/NDF : 38.6/32

All: 532.098+/-295.488 χ^2/NDF : 69.9/66

- sign 704.071+/-416.177 χ^2/NDF : 30.9/33

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1855.288+/-0.384 χ^2/NDF : 418621.1/15

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

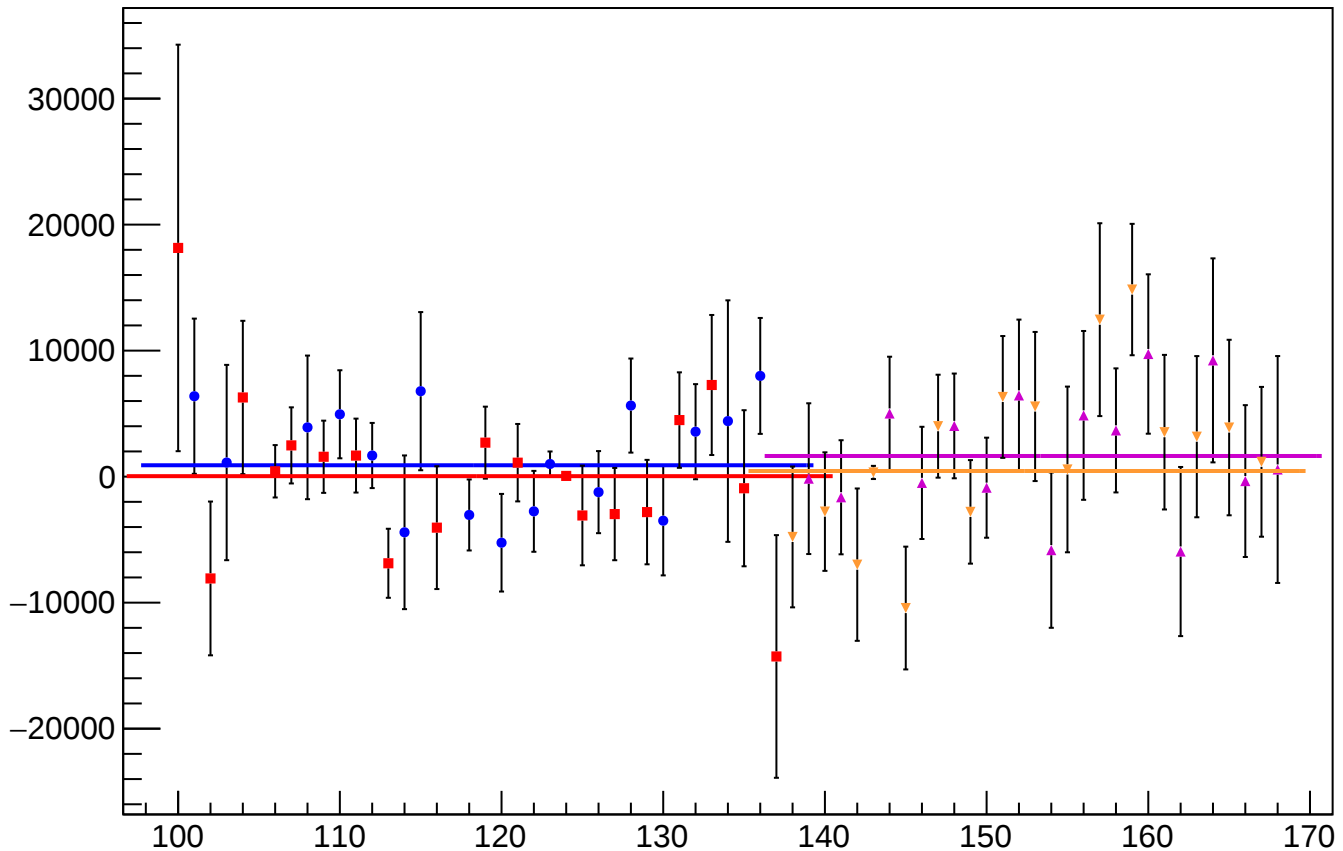
Left In: 1827.375+/-0.379 χ^2/NDF : 39923.0/14

+ sign 1785.984+/-0.297 χ^2/NDF : 695382.4/32

All: 1785.364+/-0.209 χ^2/NDF : 1163204.6/66

- sign 1784.756+/-0.294 χ^2/NDF : 467813.6/33

asym_atl_dd_correction_mean vs Slug



Right In: 903.344+/-705.564 χ^2/NDF : 16.0/16

Left Out: 447.890+/-489.264 χ^2/NDF : 22.3/15

Right Out: 38.143+/-357.176 χ^2/NDF : 20.5/18

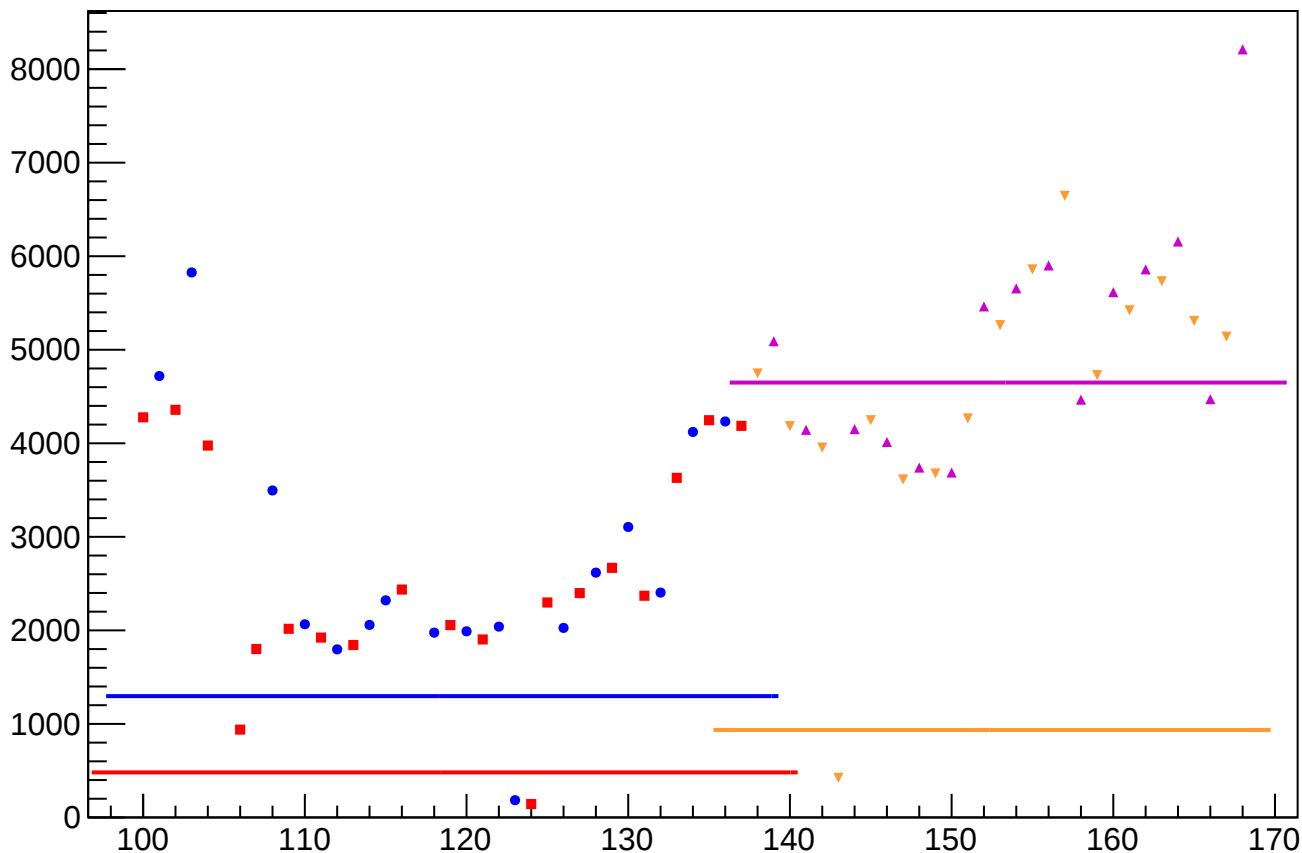
Left In: 1638.975+/-1389.963 χ^2/NDF : 8.6/14

+ sign 595.782+/-402.056 χ^2/NDF : 38.6/32

All: 332.337+/-262.230 χ^2/NDF : 69.6/66

- sign 137.302+/-345.937 χ^2/NDF : 30.3/33

asym_atl_dd_correction_rms vs Slug



Right In: 1297.005+/-0.499 χ^2/NDF : 6509608.5/16

Left Out: 935.378+/-0.346 χ^2/NDF : 16277691.1/15

Right Out: 481.577+/-0.253 χ^2/NDF : 10144170.1/18

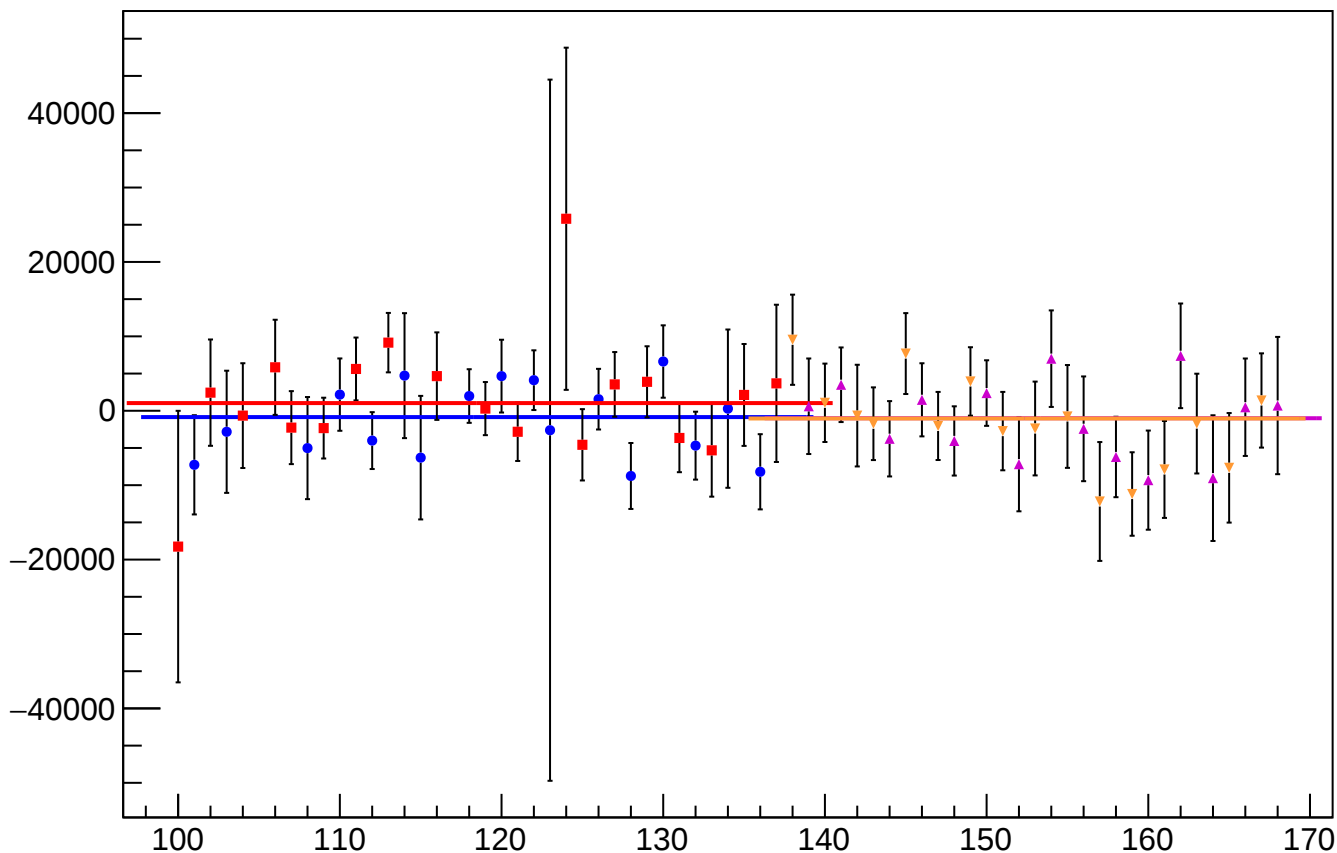
Left In: 4649.339+/-0.983 χ^2/NDF : 972275.1/14

+ sign 1052.803+/-0.284 χ^2/NDF : 23142084.6/32

All: 872.914+/-0.185 χ^2/NDF : 51823116.2/60

- sign 739.739+/-0.245 χ^2/NDF : 27984254.1/33

asym_atl_dd_mean vs Slug



Right In: -849.372+/-1261.026 χ^2/NDF : 15.4/16

Left Out: -1036.908+/-1451.984 χ^2/NDF : 14.5/15

Right Out: 1033.205+/-1190.714 χ^2/NDF : 15.0/18

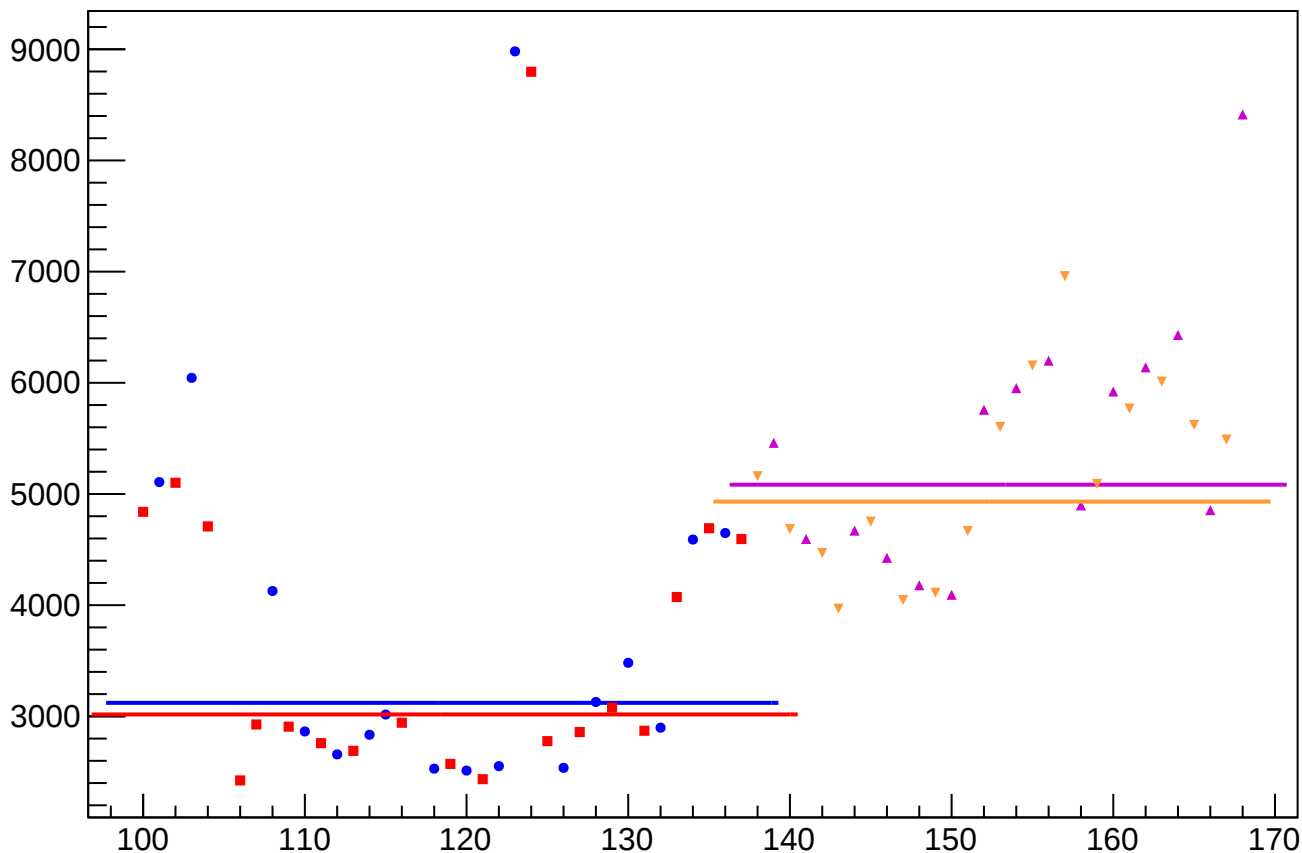
Left In: -1003.181+/-1512.481 χ^2/NDF : 9.9/14

+ sign -930.005+/-952.086 χ^2/NDF : 29.9/32

All: -327.638+/-667.313 χ^2/NDF : 56.7/66

- sign 254.021+/-935.578 χ^2/NDF : 26.0/33

asym_atl_dd_rms vs Slug



Right In: 3121.417 $\pm$ 0.892 χ^2 /NDF: 945708.1/16

Left Out: 4931.492 $\pm$ 1.027 χ^2 /NDF: 573840.1/15

Right Out: 3017.215 $\pm$ 0.831 χ^2 /NDF: 791997.9/18

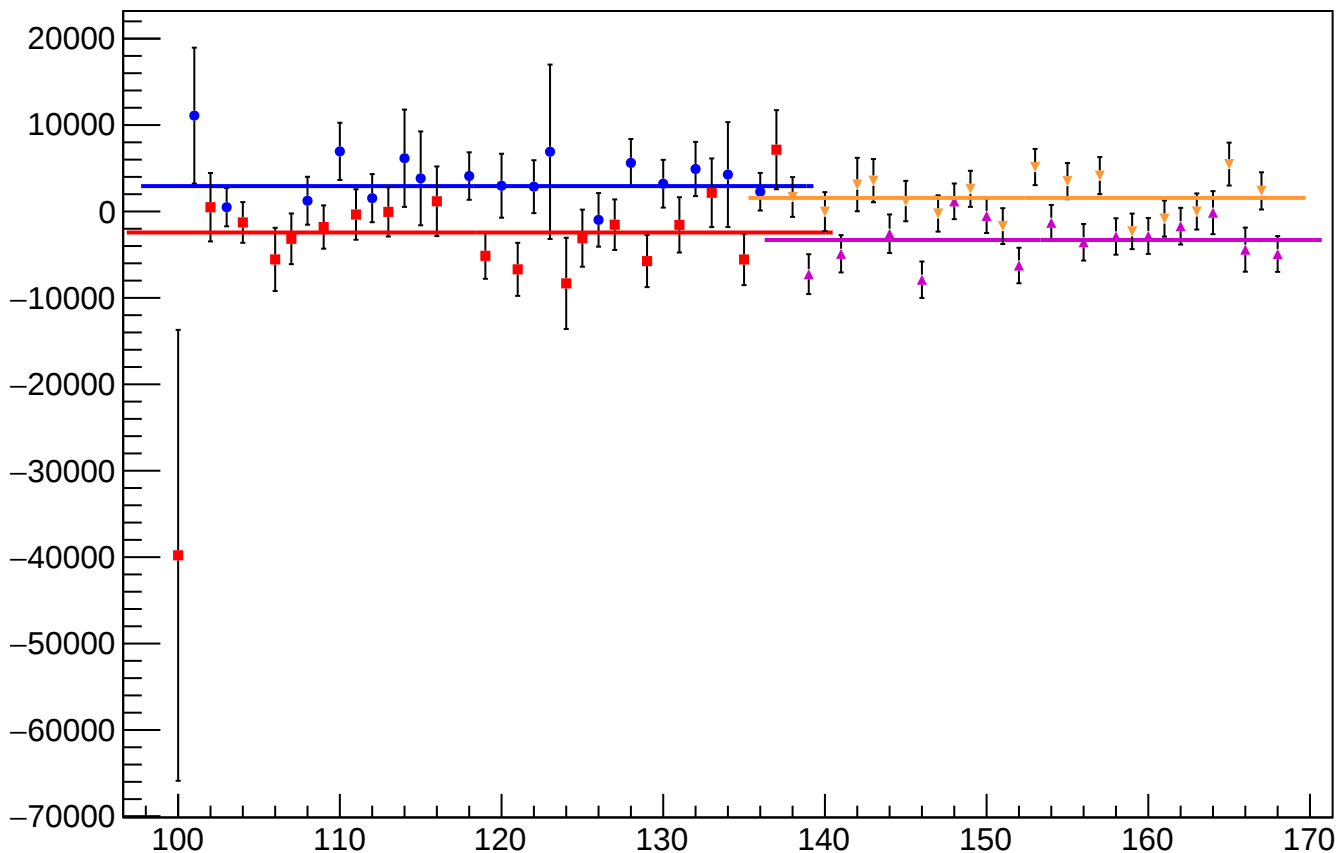
Left In: 5083.835 $\pm$ 1.069 χ^2 /NDF: 753298.3/14

+ sign 3899.674 $\pm$ 0.673 χ^2 /NDF: 3291312.9/32

All: 3846.413 $\pm$ 0.470 χ^2 /NDF: 7176087.9/60

- sign 3795.776 $\pm$ 0.656 χ^2 /NDF: 3872565.7/33

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1569.575 $\pm$ 553.135 χ^2 /NDF:18.1/15

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

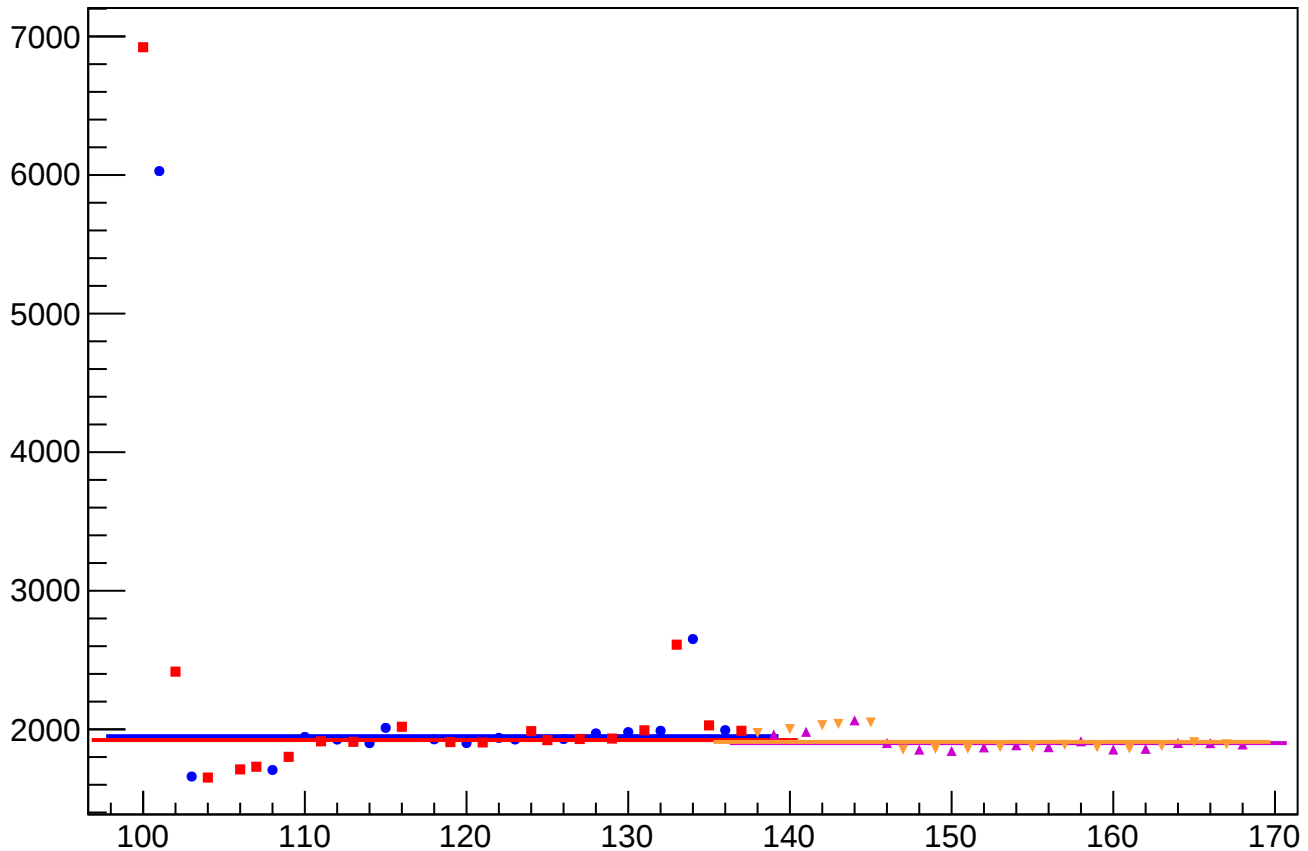
Left In: -3296.756 $\pm$ 555.467 χ^2 /NDF:21.1/14

+ sign 2030.378 $\pm$ 450.296 χ^2 /NDF: 28.3/32

All: -511.068 $\pm$ 316.277 χ^2 /NDF: 131.4/66

- sign -2985.605 $\pm$ 444.329 χ^2 /NDF: 40.2/33

reg_asym_atr_avg_rms vs Slug



Right In: 1950.615+/-0.548 χ^2/NDF : 617332.2/16

Left Out: 1909.251+/-0.391 χ^2/NDF : 28114.8/15

Right Out: 1922.752+/-0.522 χ^2/NDF : 217400.0/18

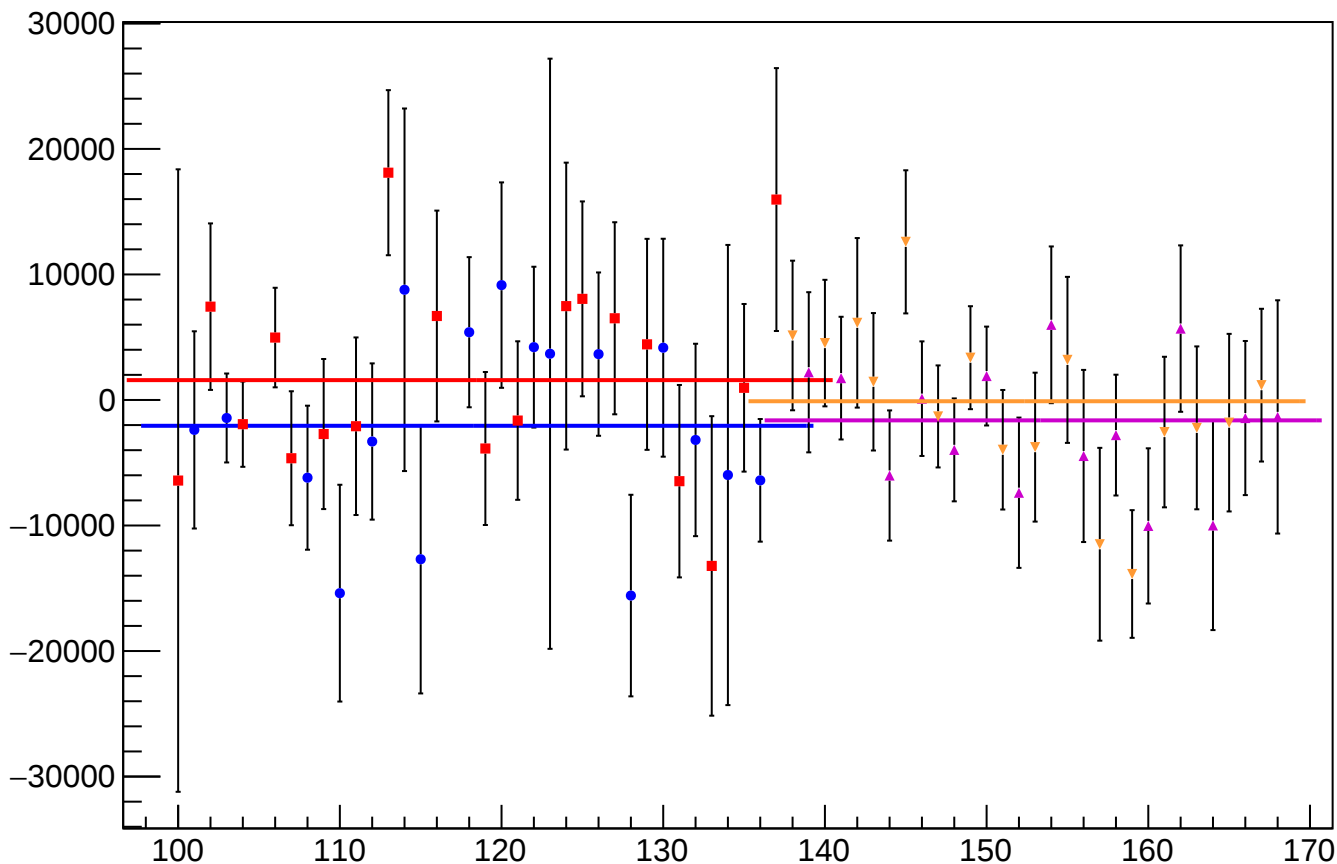
Left In: 1900.830+/-0.393 χ^2/NDF : 20589.8/14

+ sign 1923.202+/-0.318 χ^2/NDF : 649219.2/32

All: 1915.873+/-0.224 χ^2/NDF : 889379.0/66

- sign 1908.748+/-0.314 χ^2/NDF : 239114.9/33

asym_atr_avg_correction_mean vs Slug



Right In: -2056.876 $\pm$ 1661.079 χ^2 /NDF: 14.0/16

Left Out: -101.140 $\pm$ 1382.556 χ^2 /NDF:19.5/15

Right Out: 1580.717 $\pm$ 1477.405 χ^2 /NDF: 18.6/18

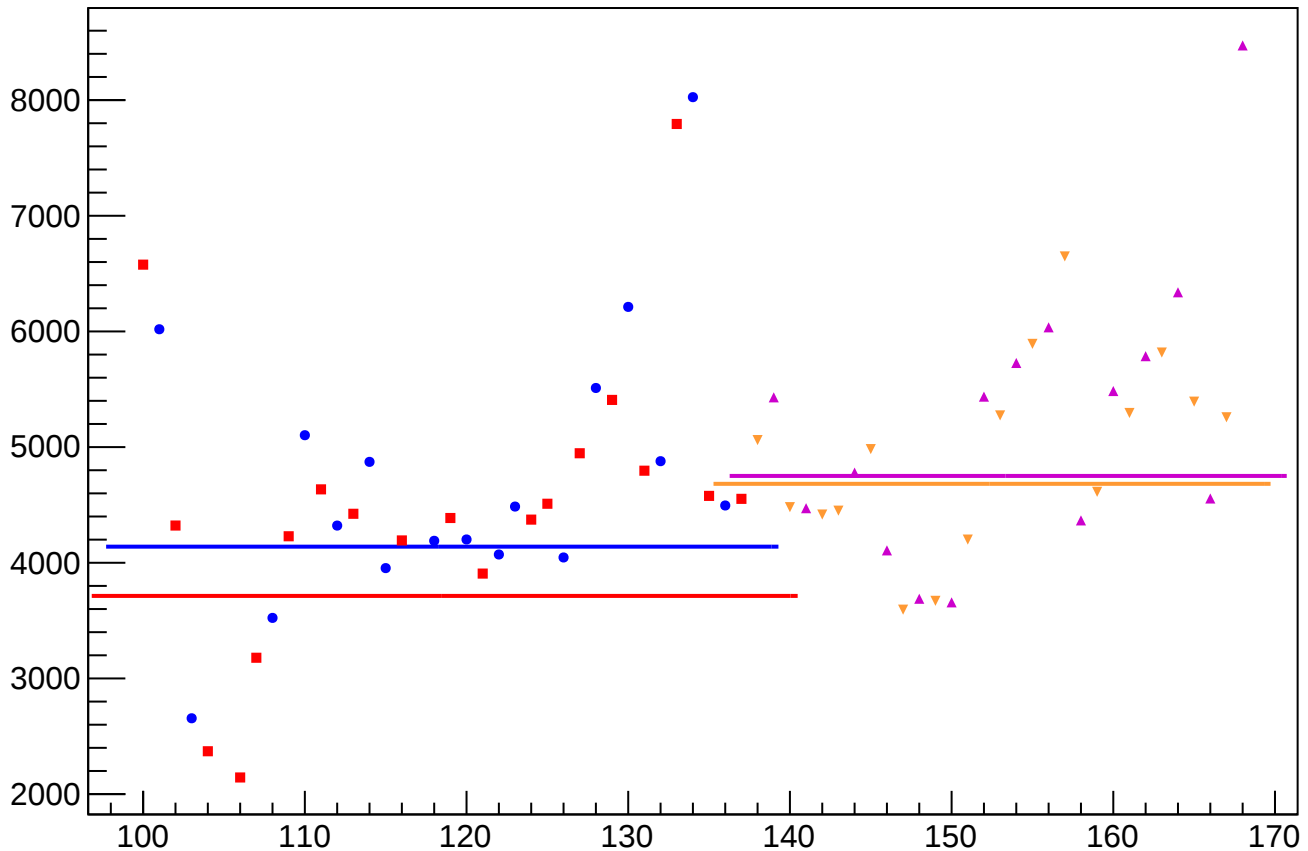
Left In: -1624.956 $\pm$ 1421.266 χ^2 /NDF:9.5/14

+ sign -901.525 $\pm$ 1062.636 χ^2 /NDF: 34.3/32

All: -477.827 $\pm$ 737.454 χ^2 /NDF: 65.2/66

- sign -84.181 $\pm$ 1024.259 χ^2 /NDF: 30.6/33

asym_atr_avg_correction_rms vs Slug



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4682.525+/-0.978 χ^2/NDF : 647396.7/15

Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

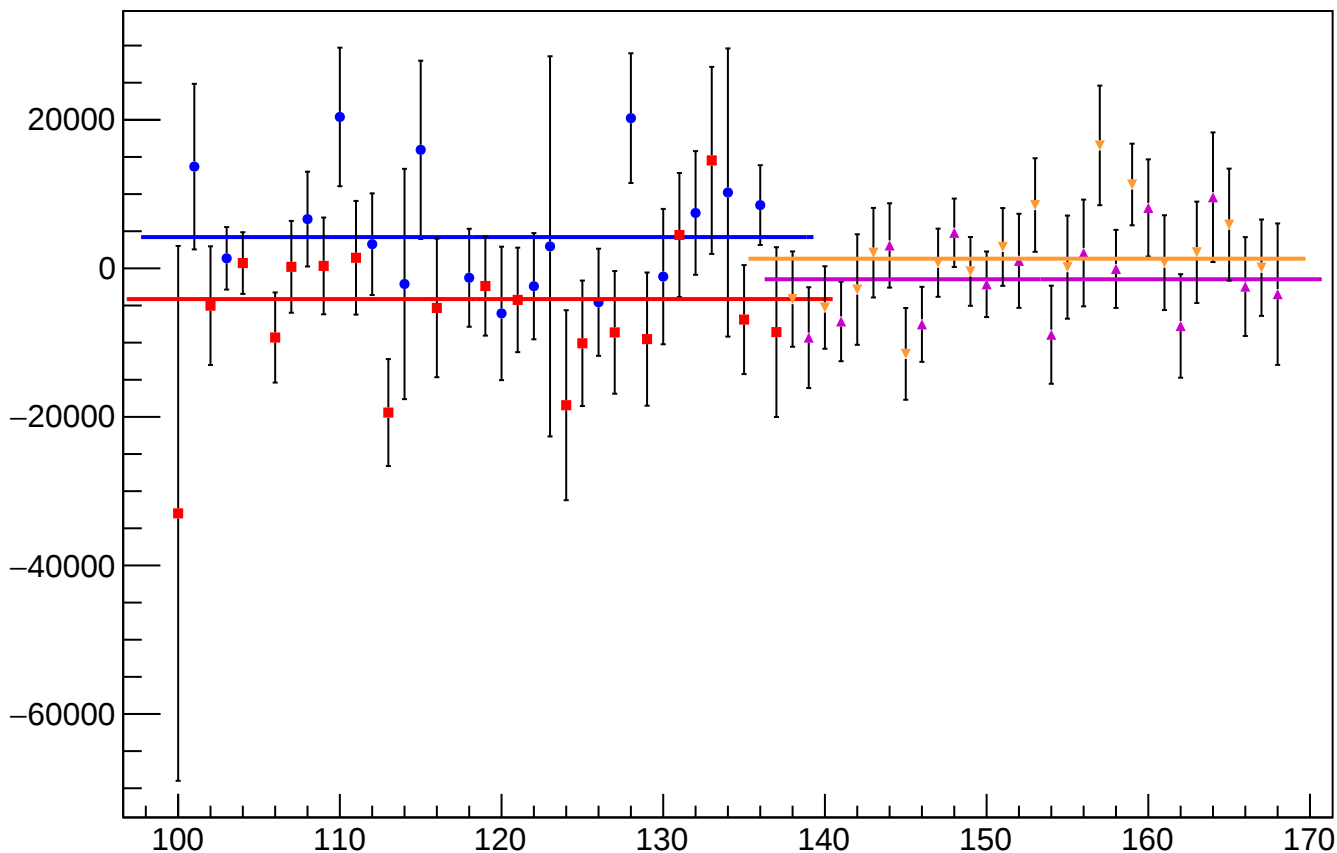
Left In: 4750.828+/-1.005 χ^2/NDF : 987825.3/14

+ sign 4460.249+/-0.751 χ^2/NDF : 1587264.7/32

All: 4352.430+/-0.521 χ^2/NDF : 4402684.0/66

- sign 4252.259+/-0.724 χ^2/NDF : 2775700.5/33

asym_atr_avg_mean vs Slug



Right In: 4211.844+/-1871.304 χ^2/NDF : 14.4/16

Left Out: 1303.406+/-1506.194 χ^2/NDF : 15.7/15

Right Out: -4133.660+/-1725.341 χ^2/NDF : 14.8/18

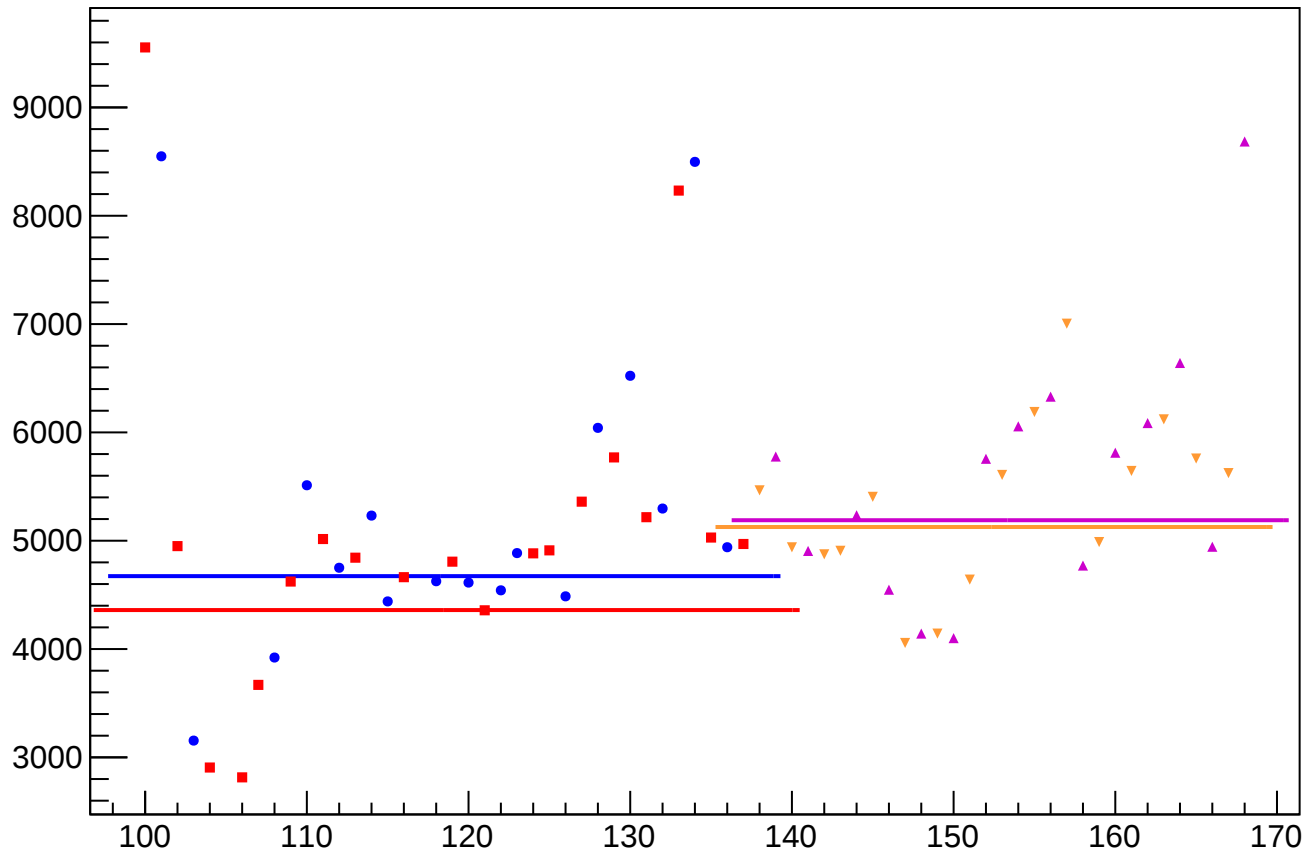
Left In: -1466.818+/-1544.040 χ^2/NDF : 12.8/14

+ sign 2446.852+/-1173.336 χ^2/NDF : 31.5/32

All: -152.911+/-821.510 χ^2/NDF : 70.1/66

- sign -2652.804+/-1150.578 χ^2/NDF : 28.9/33

asym_atr_avg_rms vs Slug



Right In: 4673.046 $\pm$ 1.323 χ^2 /NDF: 777321.1/16

Left Out: 5126.488 $\pm$ 1.065 χ^2 /NDF: 482862.3/15

Right Out: 4359.833 $\pm$ 1.213 χ^2 /NDF: 832191.0/18

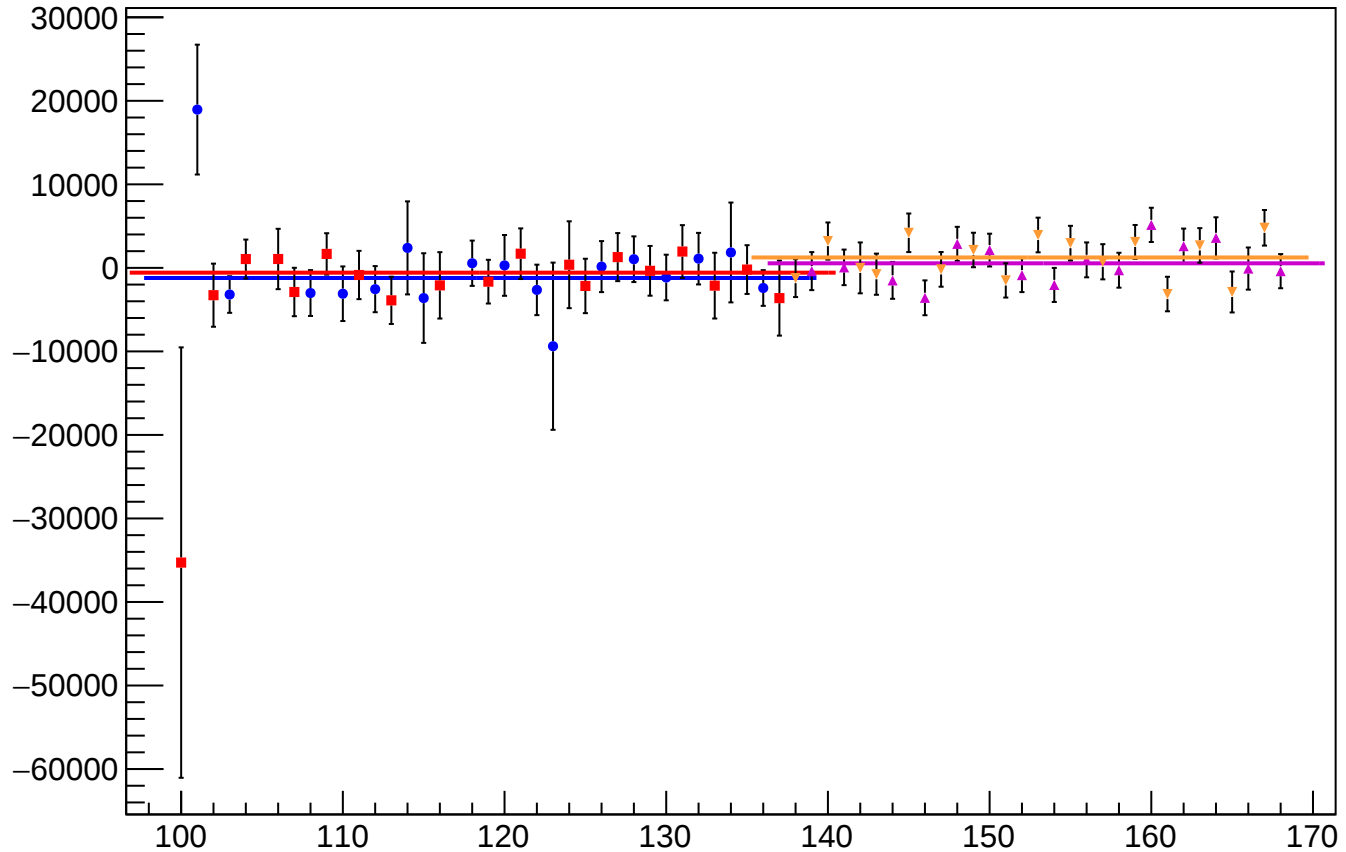
Left In: 5189.263 $\pm$ 1.092 χ^2 /NDF: 770469.6/14

+ sign 4948.218 $\pm$ 0.830 χ^2 /NDF: 1331447.0/32

All: 4881.680 $\pm$ 0.580 χ^2 /NDF: 3205001.7/60

- sign 4818.028 $\pm$ 0.811 χ^2 /NDF: 1860970.4/33

reg_asym_atr_dd_mean vs Slug



Right In: -1211.176+/-765.294 χ^2/NDF : 12.7/16

Left Out: 1246.092+/-546.656 χ^2/NDF : 20.7/15

Right Out: -573.457+/-730.668 χ^2/NDF : 8.7/18

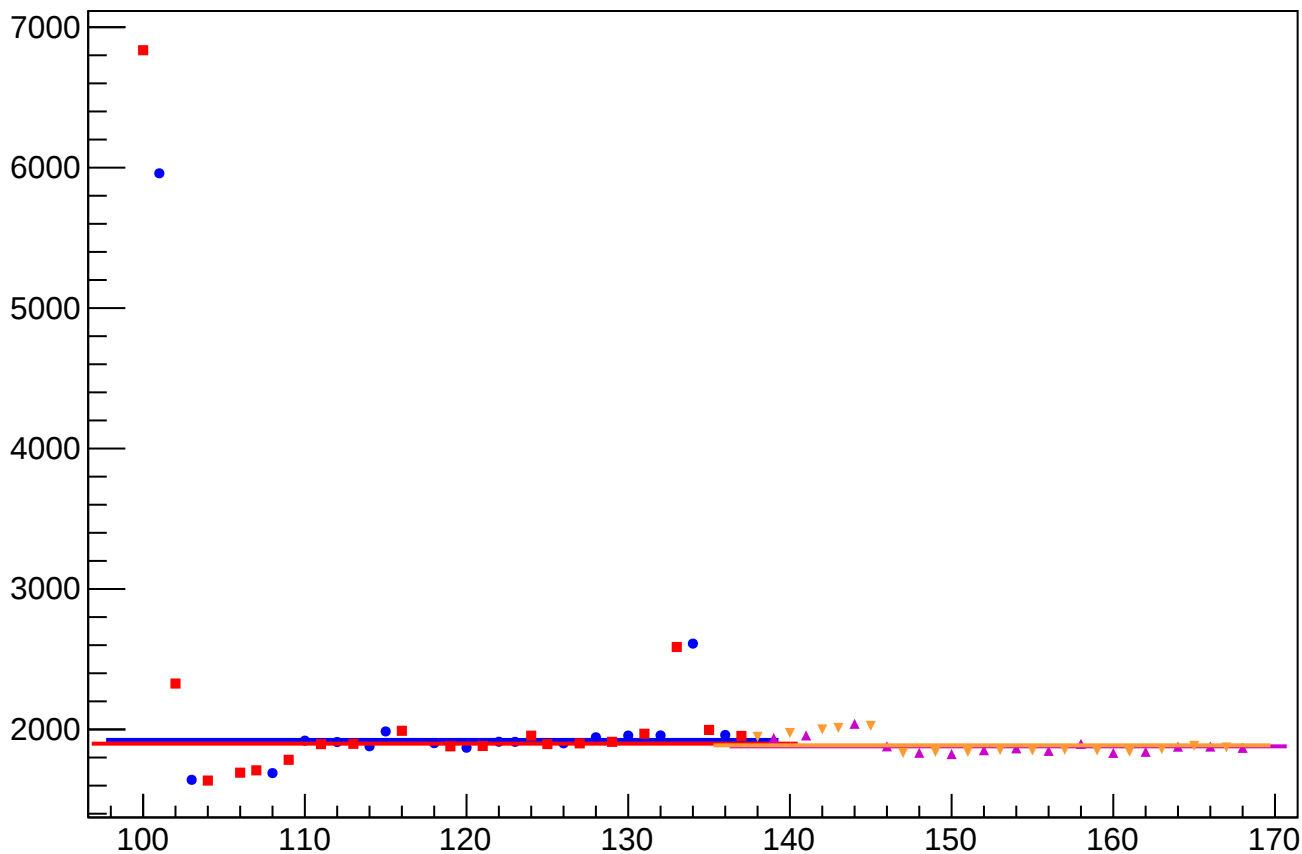
Left In: 544.853+/-549.269 χ^2/NDF : 17.0/14

+ sign 415.900+/-444.827 χ^2/NDF : 40.2/32

All: 276.688+/-312.478 χ^2/NDF : 67.6/66

- sign 141.069+/-439.049 χ^2/NDF : 27.2/33

reg_asym_atr_dd_rms vs Slug



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1886.975+/-0.387 χ^2/NDF : 26581.5/15

Right Out: 1898.854+/-0.515 χ^2/NDF : 210875.1/18

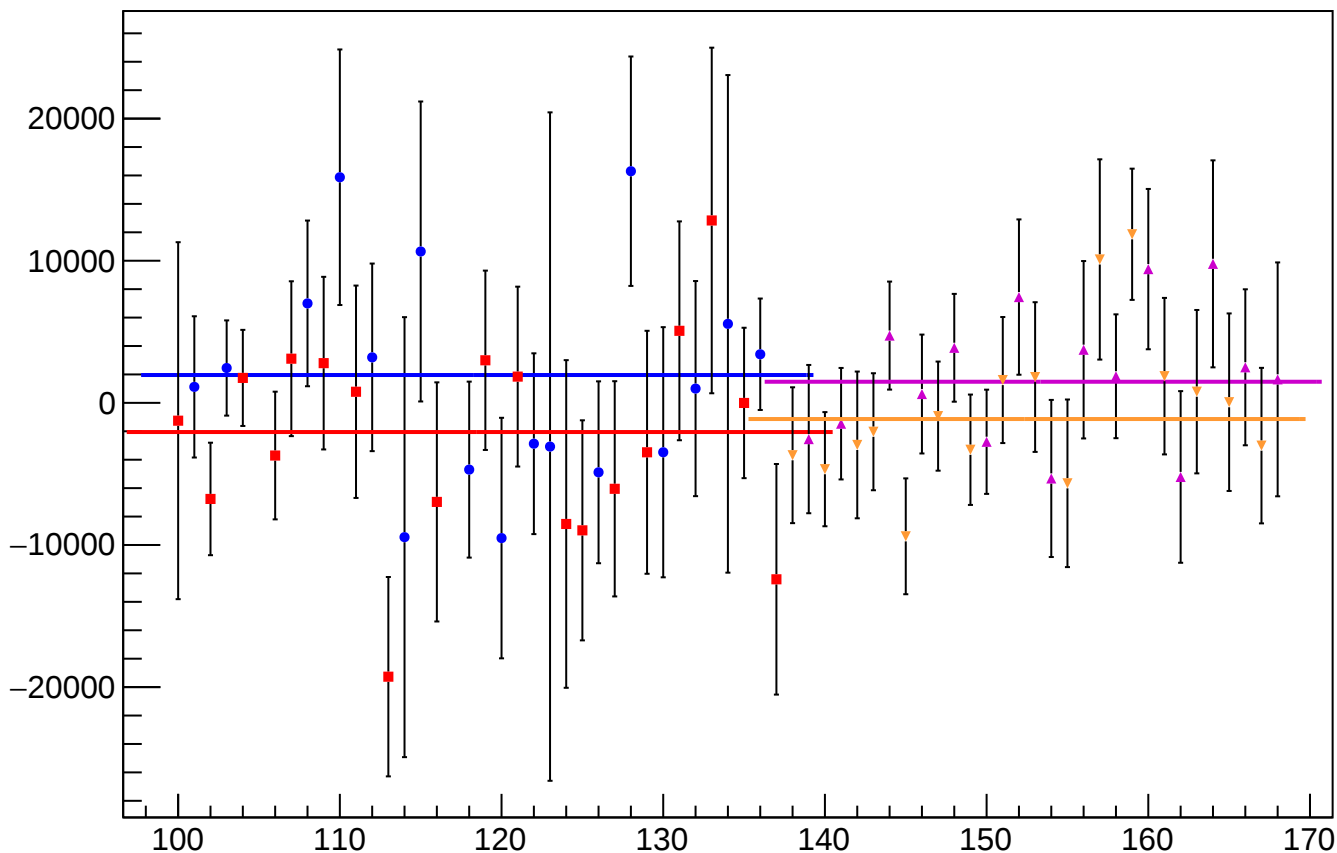
Left In: 1879.650+/-0.388 χ^2/NDF : 20041.0/14

+ sign 1899.930+/-0.315 χ^2/NDF : 645769.7/32

All: 1893.174+/-0.221 χ^2/NDF : 878481.2/66

- sign 1886.604+/-0.310 χ^2/NDF : 231801.4/33

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060 $\pm$ 1556.840 χ^2 /NDF: 12.9/16

Left Out: -1137.622 $\pm$ 1193.722 χ^2 /NDF: 18.0/15

Right Out: -2052.842 $\pm$ 1413.641 χ^2 /NDF: 17.4/18

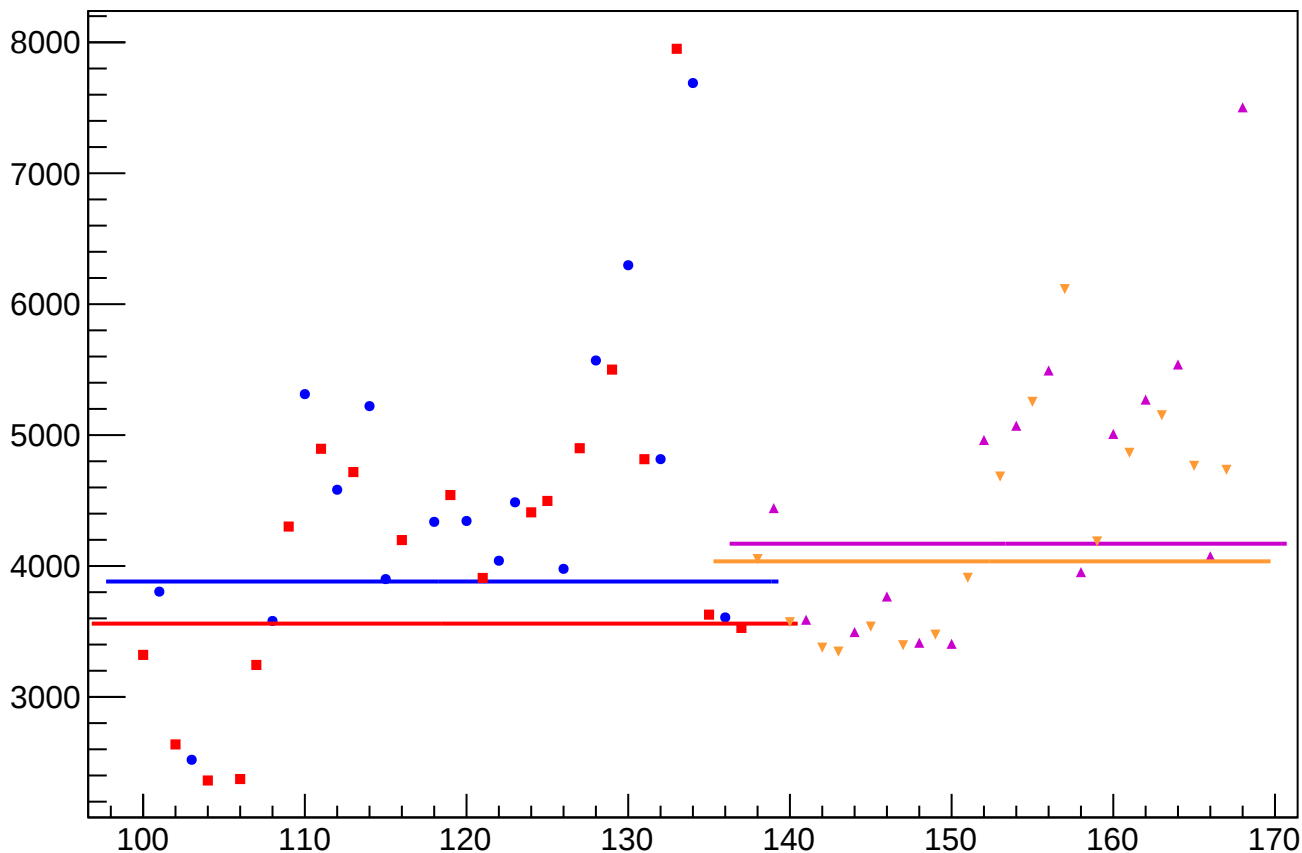
Left In: 1485.938 $\pm$ 1247.740 χ^2 /NDF: 11.0/14

+ sign 8.910 $\pm$ 947.303 χ^2 /NDF: 33.4/32

All: -27.857 $\pm$ 665.621 χ^2 /NDF: 65.4/66

- sign -63.710 $\pm$ 935.468 χ^2 /NDF: 32.0/33

asym_atr_dd_correction_rms vs Slug



Right In: 3881.577 ± 1.101 χ^2/NDF : 817466.6/16

Left Out: 4035.701 ± 0.844 χ^2/NDF : 717013.6/15

Right Out: 3560.054 ± 1.000 χ^2/NDF : 1241523.0/18

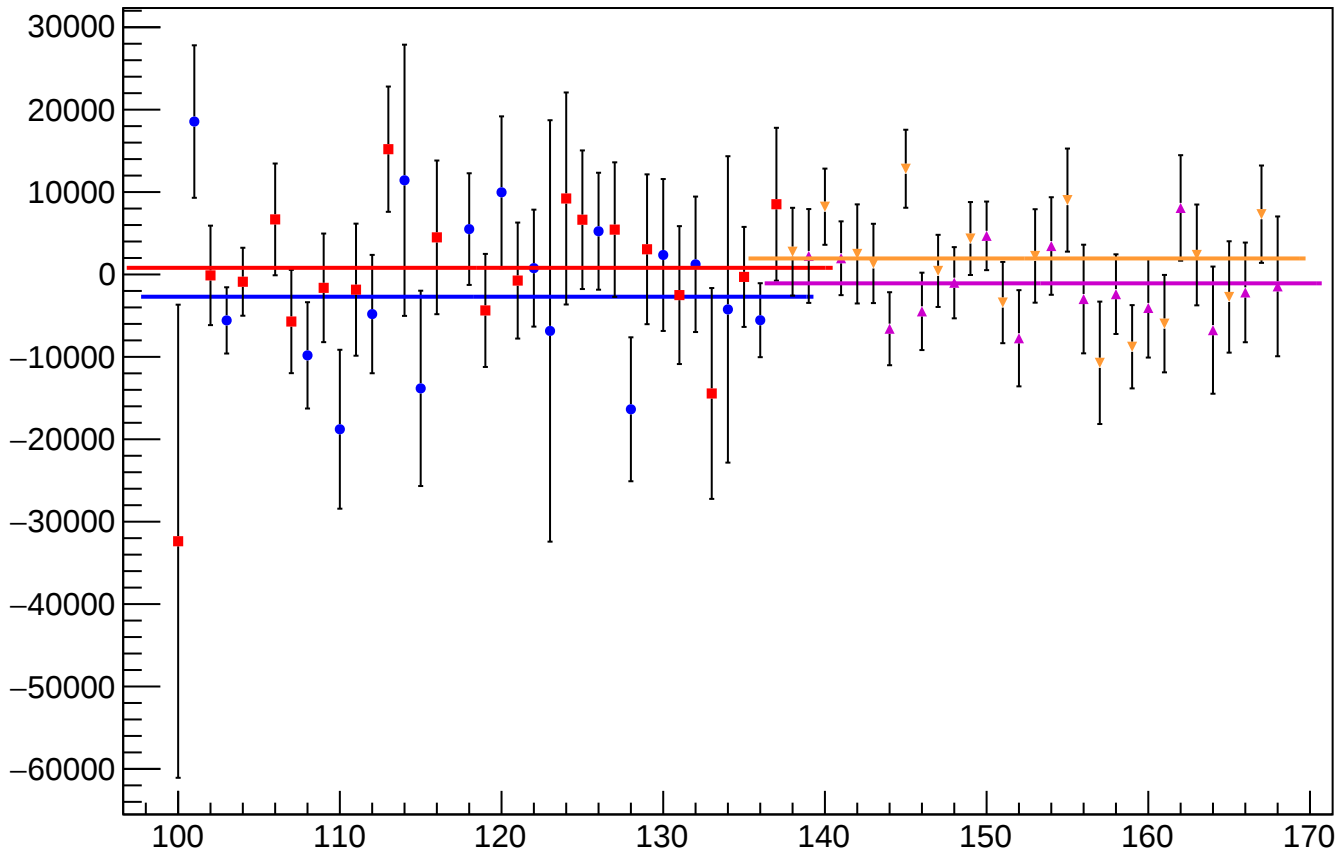
Left In: 4170.363 ± 0.882 χ^2/NDF : 997694.9/14

+ sign 3978.638 ± 0.670 χ^2/NDF : 1546824.2/32

All: 3940.397 ± 0.471 χ^2/NDF : 4002016.9/66

- sign 3903.106 ± 0.661 χ^2/NDF : 2448755.4/33

asym_atr_dd_mean vs Slug



Right In: -2700.702 ± 1809.055 χ^2/NDF : 19.8/16

Left Out: 1943.215 ± 1334.410 χ^2/NDF : 20.6/15

Right Out: 805.951 ± 1690.353 χ^2/NDF : 11.6/18

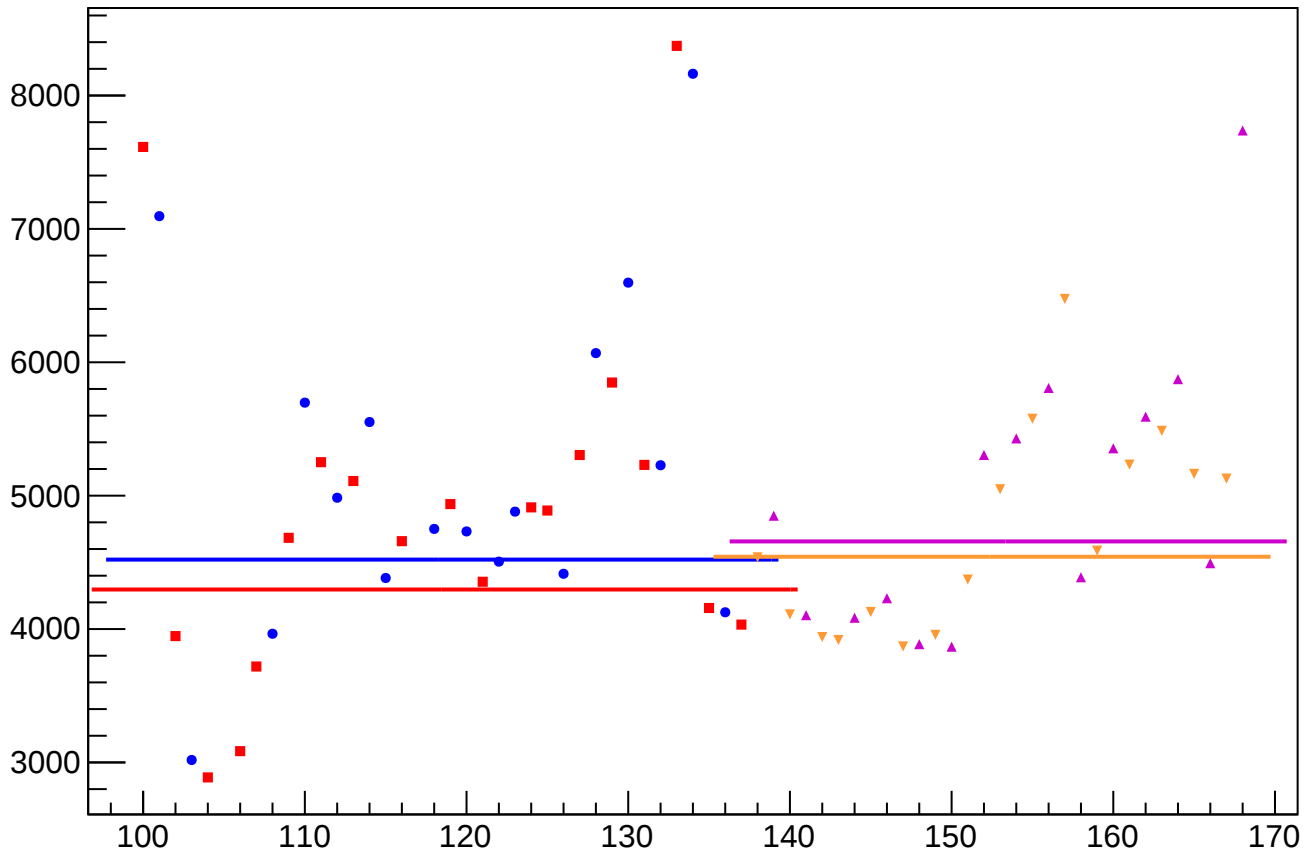
Left In: -1076.457 ± 1384.029 χ^2/NDF : 9.7/14

+ sign 306.831 ± 1073.871 χ^2/NDF : 44.6/32

All: -7.949 ± 758.276 χ^2/NDF : 66.8/66

- sign -320.968 ± 1070.865 χ^2/NDF : 22.0/33

asym_atr_dd_rms vs Slug



Right In: 4520.685+/-1.279 χ^2/NDF : 770887.4/16

Left Out: 4542.019+/-0.944 χ^2/NDF : 488802.0/15

+ sign 4534.502+/-0.759 χ^2/NDF : 1259869.5/32

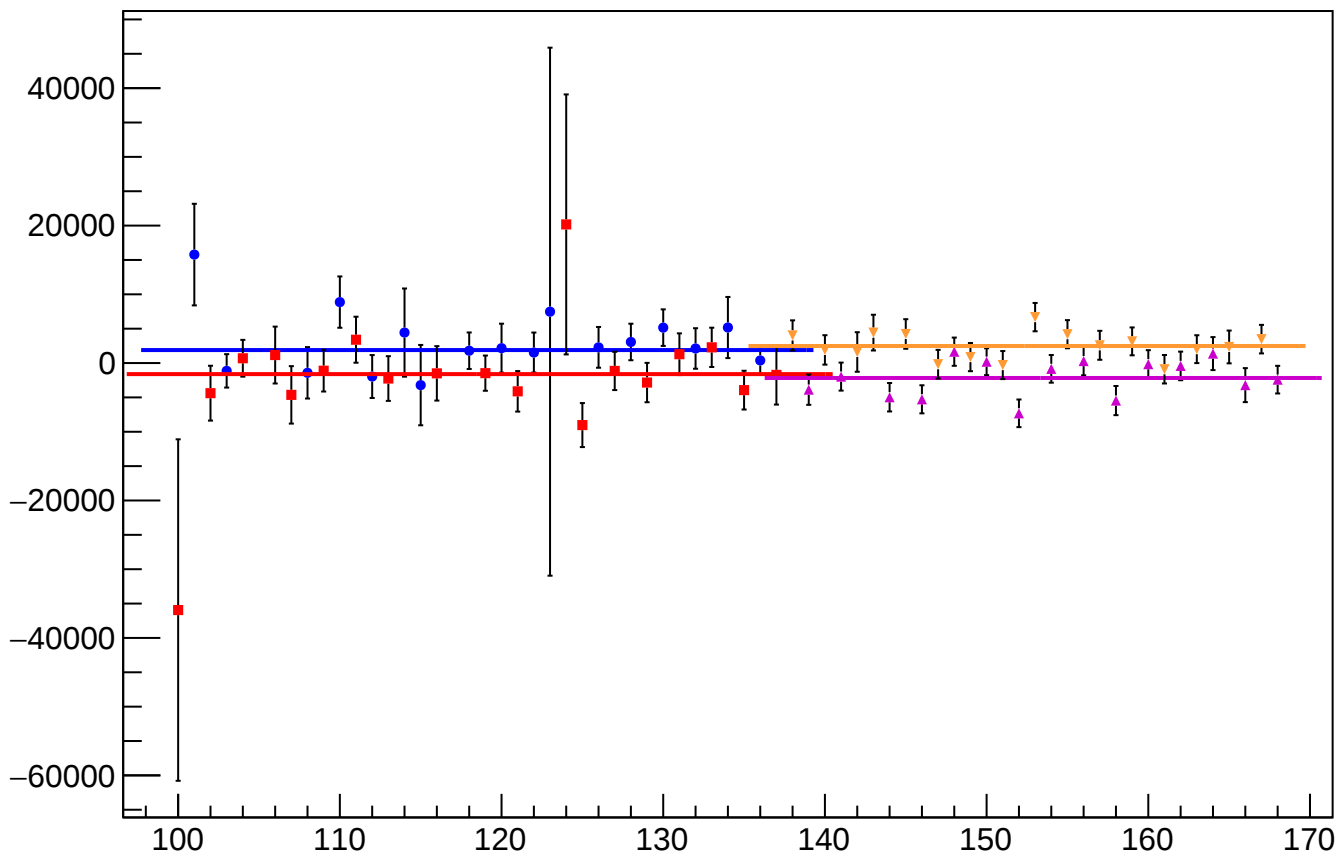
Right Out: 4296.527+/-1.189 χ^2/NDF : 771785.2/18

All: 4522.858+/-0.536 χ^2/NDF : 2815343.5/60

- sign 4511.332+/-0.756 χ^2/NDF : 1555006.1/33

Left In: 4656.948+/-0.979 χ^2/NDF : 728423.3/14

reg_asym_at1_avg_mean vs Slug



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 2477.753 $\pm$ 538.787 χ^2 /NDF:13.9/15

Right Out: -1610.310 $\pm$ 765.843 χ^2 /NDF: 17.5/18

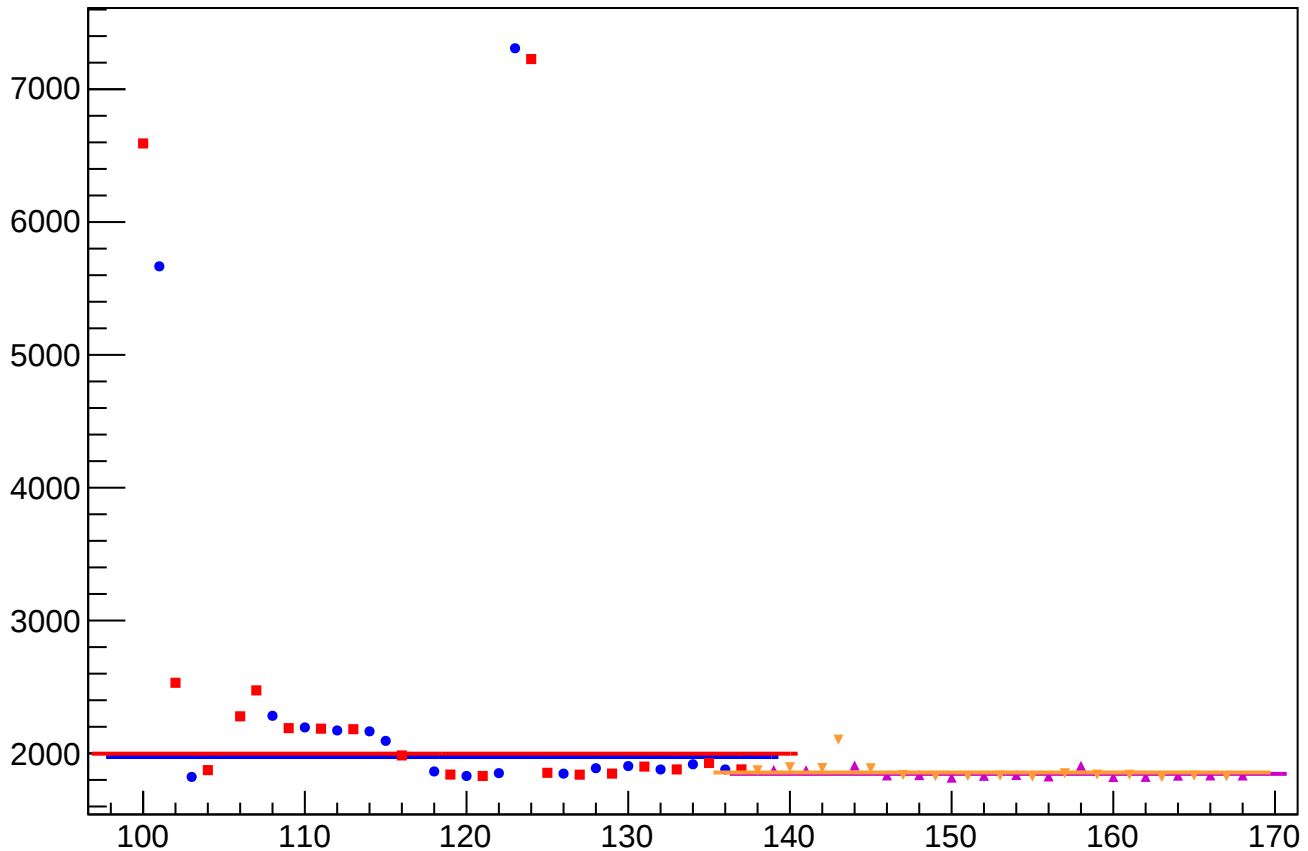
Left In: -2172.962 $\pm$ 540.500 χ^2 /NDF:24.5/14

+ sign 2288.487 $\pm$ 444.008 χ^2 /NDF: 28.9/32

All: 139.663 $\pm$ 313.105 χ^2 /NDF: 117.9/66

- sign -1985.889 $\pm$ 441.597 χ^2 /NDF: 42.4/33

reg_asym_at1_avg_rms vs Slug



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1856.045+/-0.381 χ^2/NDF : 22620.8/15

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

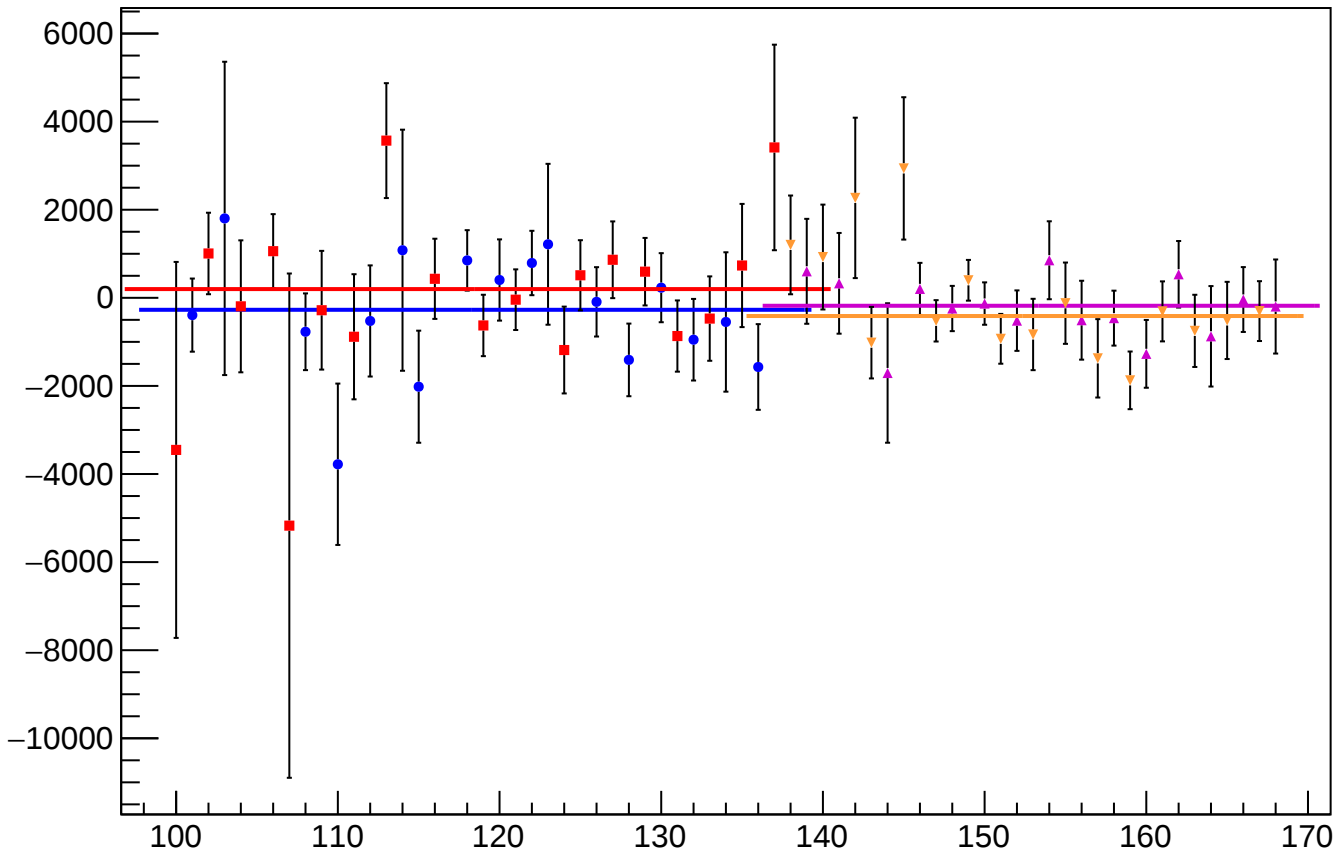
Left In: 1845.742+/-0.382 χ^2/NDF : 5710.0/14

+ sign 1893.408+/-0.314 χ^2/NDF : 653463.8/32

All: 1894.836+/-0.221 χ^2/NDF : 1067311.2/66

- sign 1896.249+/-0.312 χ^2/NDF : 413806.2/33

asym_at1_avg_correction_mean vs Slug



Right In: -271.773 ± 240.214 $\chi^2/\text{NDF}: 17.2/16$

Left Out: -413.187 ± 184.270 $\chi^2/\text{NDF}: 21.1/15$

Right Out: 198.424 ± 229.035 $\chi^2/\text{NDF}: 19.7/18$

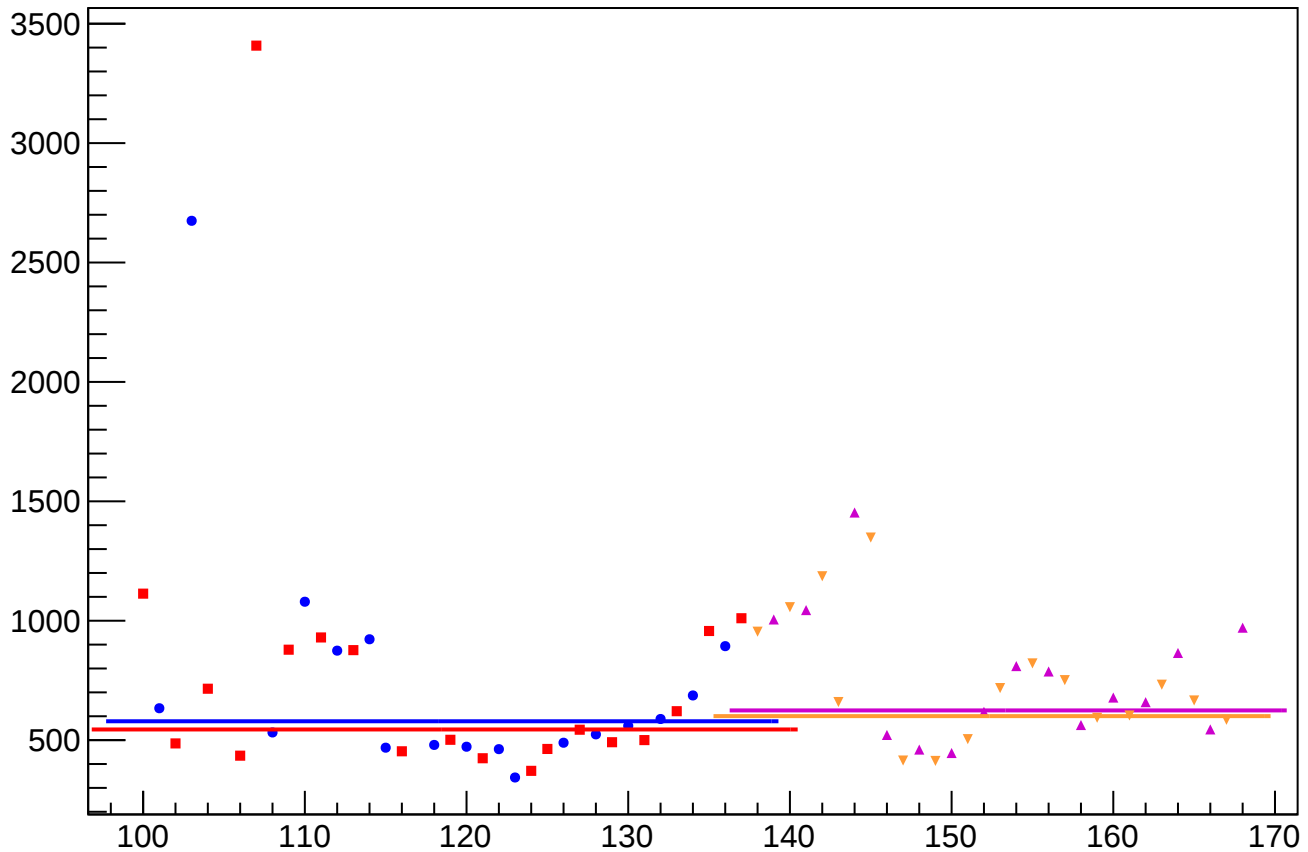
Left In: -180.273 ± 192.509 $\chi^2/\text{NDF}: 7.3/14$

+ sign -360.799 ± 146.207 $\chi^2/\text{NDF}: 38.5/32$

All: -193.480 ± 103.792 $\chi^2/\text{NDF}: 69.7/66$

- sign -23.494 ± 147.367 $\chi^2/\text{NDF}: 28.6/33$

asym_at1_avg_correction_rms vs Slug



Right In: 579.010+/-0.170 $\chi^2/\text{NDF}: 1422148.6/16$

Left Out: 600.523+/-0.130 $\chi^2/\text{NDF}: 2117441.0/15$

Right Out: 544.674+/-0.162 $\chi^2/\text{NDF}: 1457799.9/18$

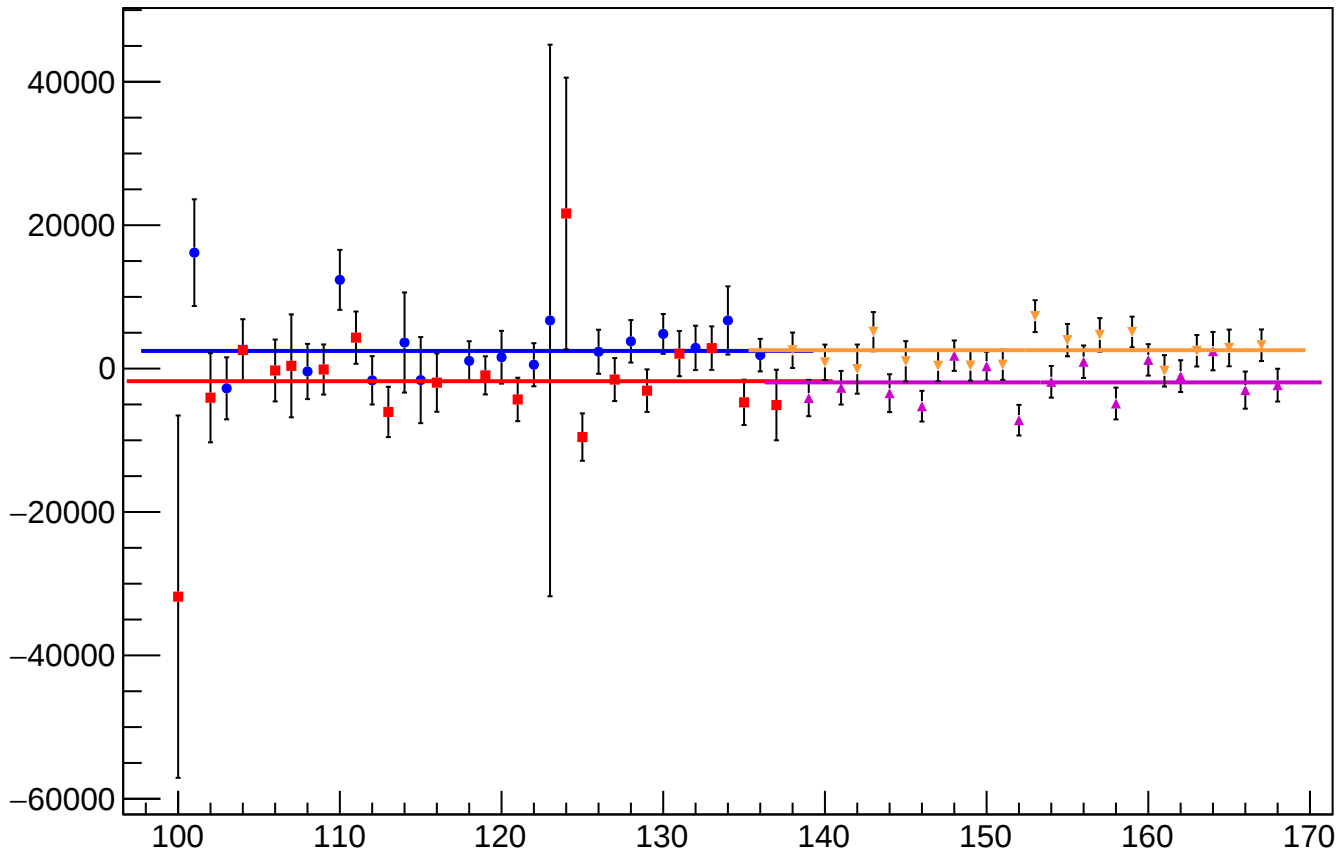
Left In: 624.441+/-0.136 $\chi^2/\text{NDF}: 2071691.4/14$

+ sign 592.554+/-0.103 $\chi^2/\text{NDF}: 3549688.0/32$

All: 591.990+/-0.073 $\chi^2/\text{NDF}: 7221397.9/66$

- sign 591.417+/-0.104 $\chi^2/\text{NDF}: 3671650.0/33$

asym_at1_avg_mean vs Slug



Right In: 2464.076 ± 863.197 $\chi^2/\text{NDF}: 15.5/16$

Left Out: -1756.788 ± 853.292 $\chi^2/\text{NDF}: 20.5/18$

Right Out: -1756.788 ± 853.292 $\chi^2/\text{NDF}: 20.5/18$

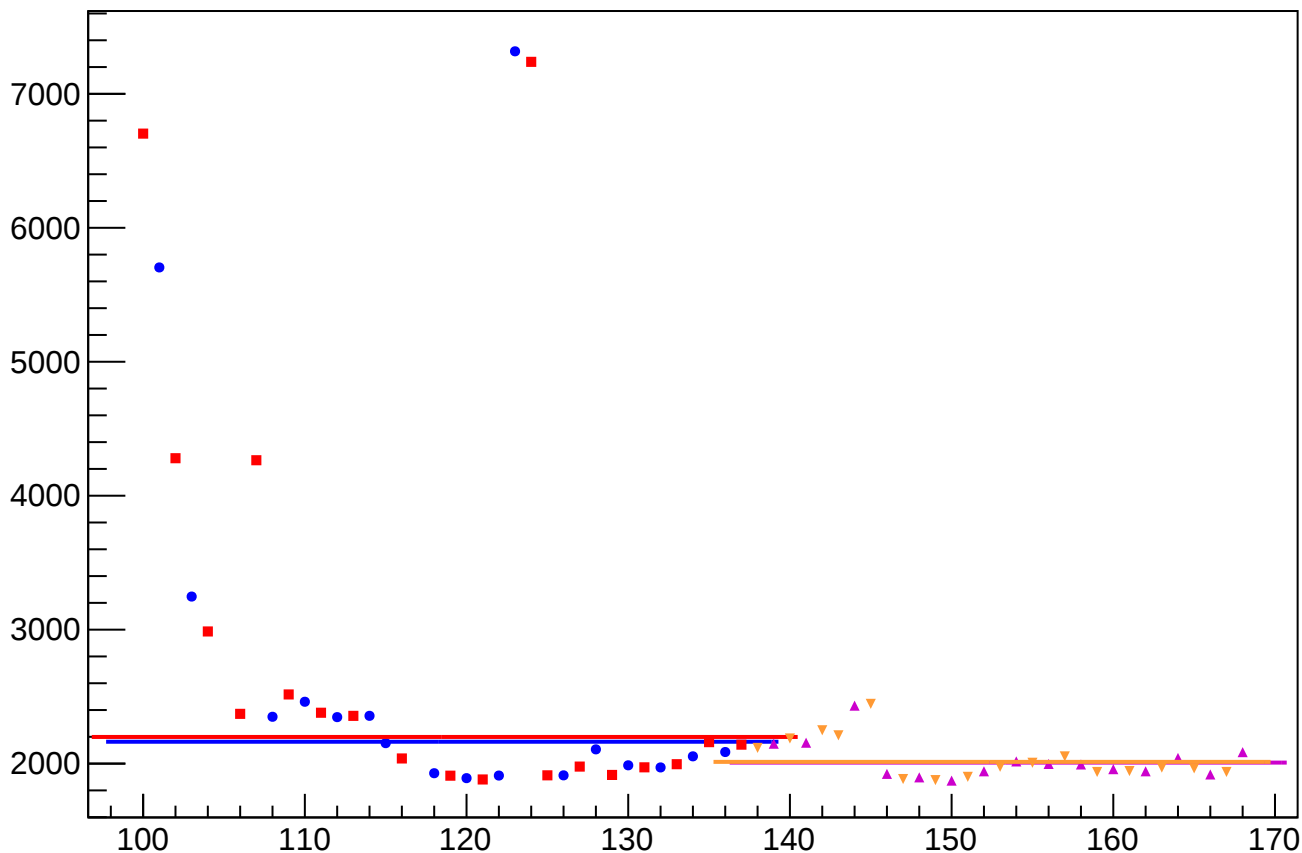
Left In: -1925.555 ± 589.005 $\chi^2/\text{NDF}: 22.4/14$

+ sign 2533.576 ± 484.637 $\chi^2/\text{NDF}: 29.8/32$

All: 331.692 ± 342.725 $\chi^2/\text{NDF}: 114.1/66$

- sign -1871.092 ± 484.736 $\chi^2/\text{NDF}: 42.9/33$

asym_at1_avg_rms vs Slug



Right In: 2163.303 ± 0.610 χ^2/NDF : 709584.4/16

Left Out: 2012.974 ± 0.414 χ^2/NDF : 111739.4/15

Right Out: 2199.003 ± 0.603 χ^2/NDF : 803297.2/18

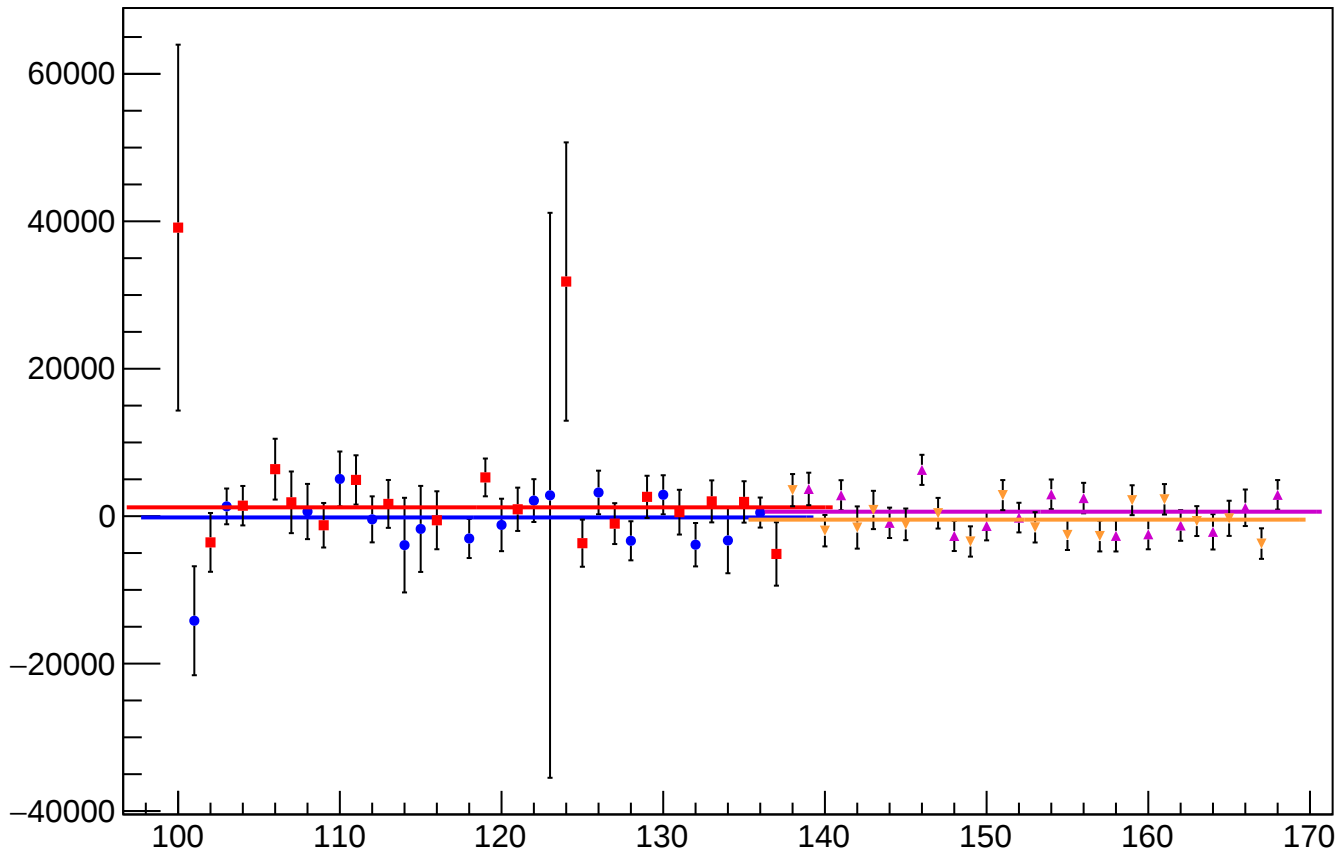
Left In: 2007.568 ± 0.416 χ^2/NDF : 93203.0/14

+ sign 2060.361 ± 0.343 χ^2/NDF : 862861.7/32

All: 2064.853 ± 0.242 χ^2/NDF : 1827884.9/60

- sign 2069.347 ± 0.343 χ^2/NDF : 964679.4/33

reg_asym_at1_dd_mean vs Slug



Right In: -170.351 ± 782.384 χ^2/NDF : 14.5/16

Left Out: -471.641 ± 537.769 χ^2/NDF : 17.6/15

Right Out: 1197.543 ± 764.254 χ^2/NDF : 18.2/18

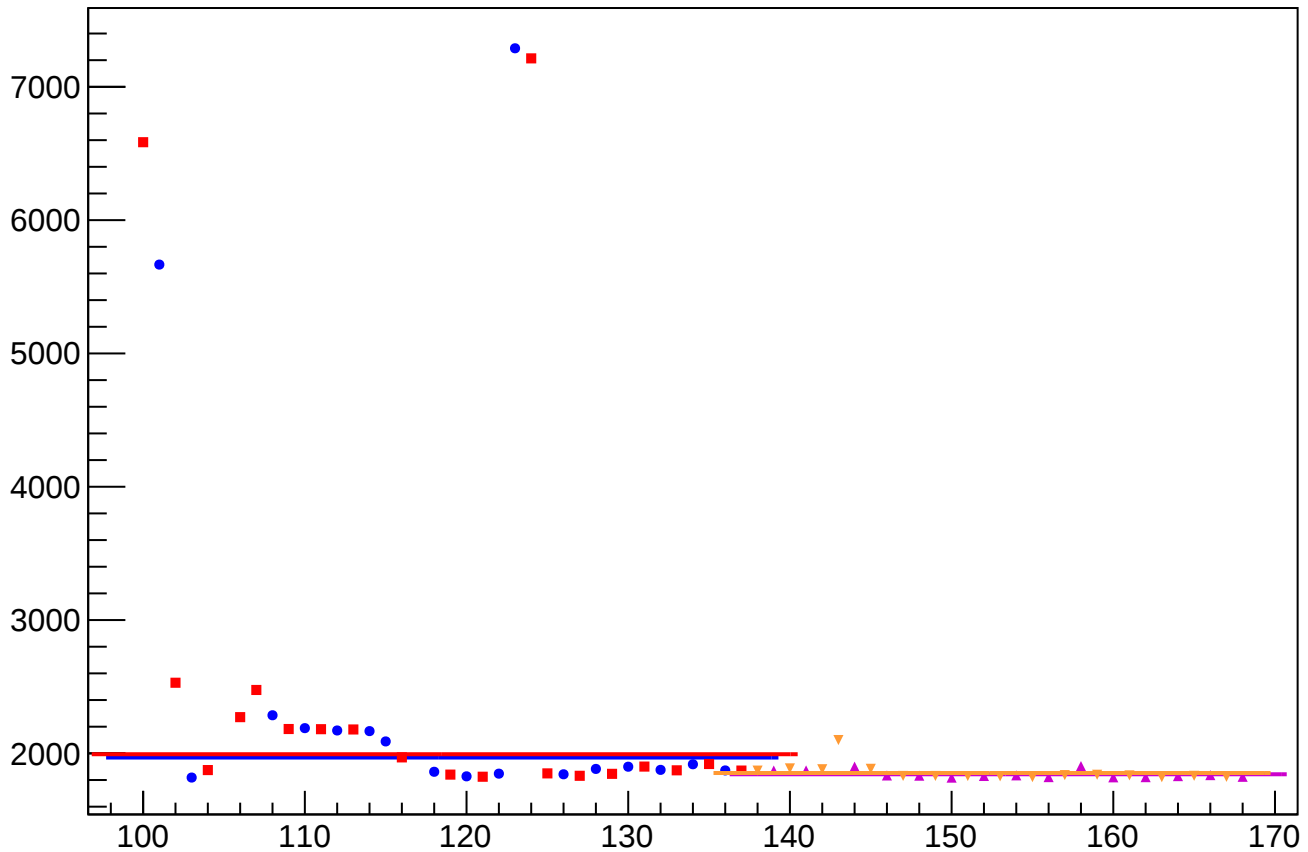
Left In: 605.914 ± 539.721 χ^2/NDF : 25.4/14

+ sign -374.970 ± 443.176 χ^2/NDF : 32.2/32

All: 216.985 ± 312.553 χ^2/NDF : 79.8/66

- sign 802.789 ± 440.867 χ^2/NDF : 44.0/33

reg_asym_at1_dd_rms vs Slug



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1852.573 $\pm$ 0.380 χ^2 /NDF: 22264.5/15

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

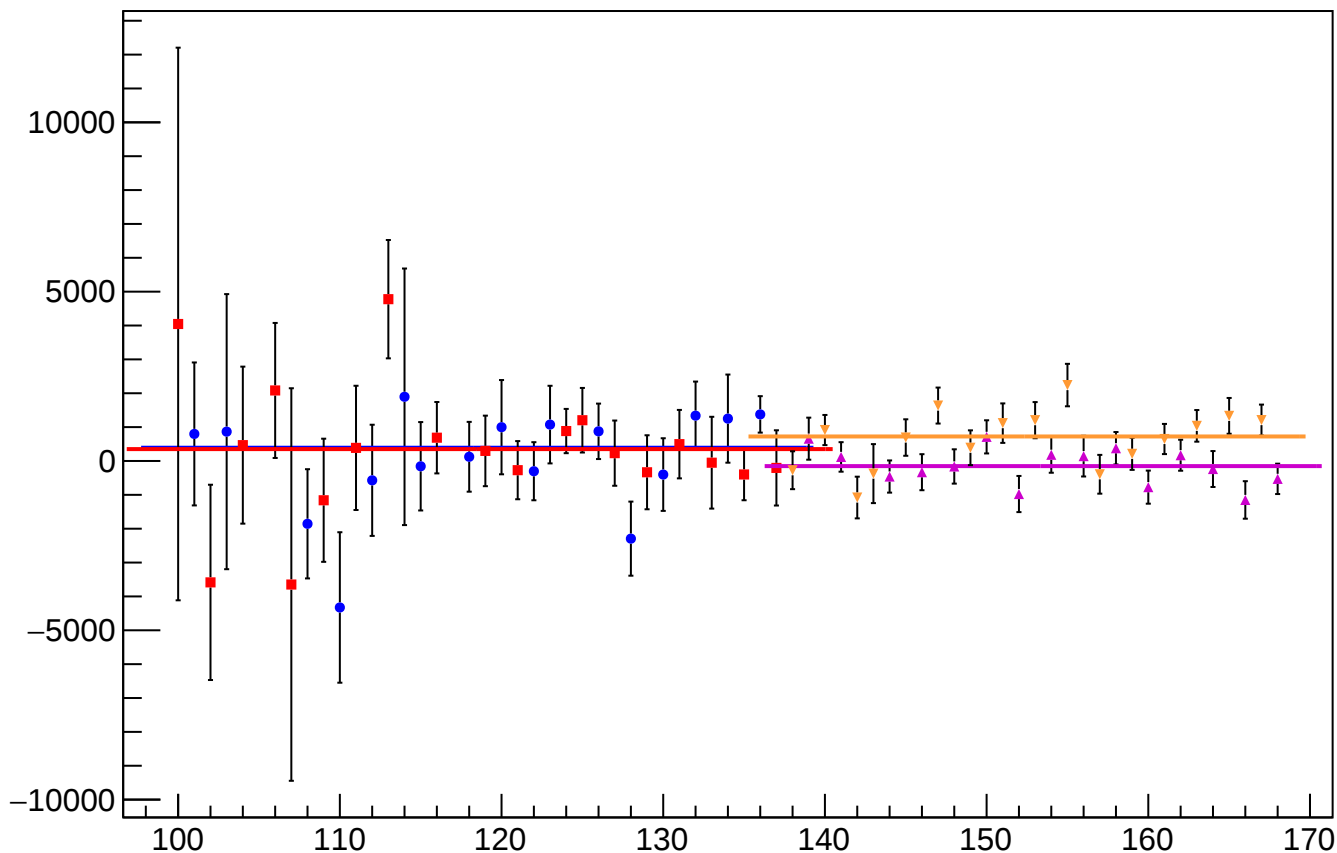
Left In: 1843.085 $\pm$ 0.382 χ^2 /NDF: 5419.5/14

+ sign 1889.812 $\pm$ 0.313 χ^2 /NDF: 655126.3/32

All: 1891.471 $\pm$ 0.221 χ^2 /NDF: 1068411.2/66

- sign 1893.112 $\pm$ 0.312 χ^2 /NDF: 413229.1/33

asym_at1_dd_correction_mean vs Slug



Right In: 390.923+/-270.128 χ^2/NDF : 20.0/16

Left Out: 723.637+/-131.924 χ^2/NDF :31.9/15

Right Out: 350.642+/-266.097 χ^2/NDF : 14.2/18

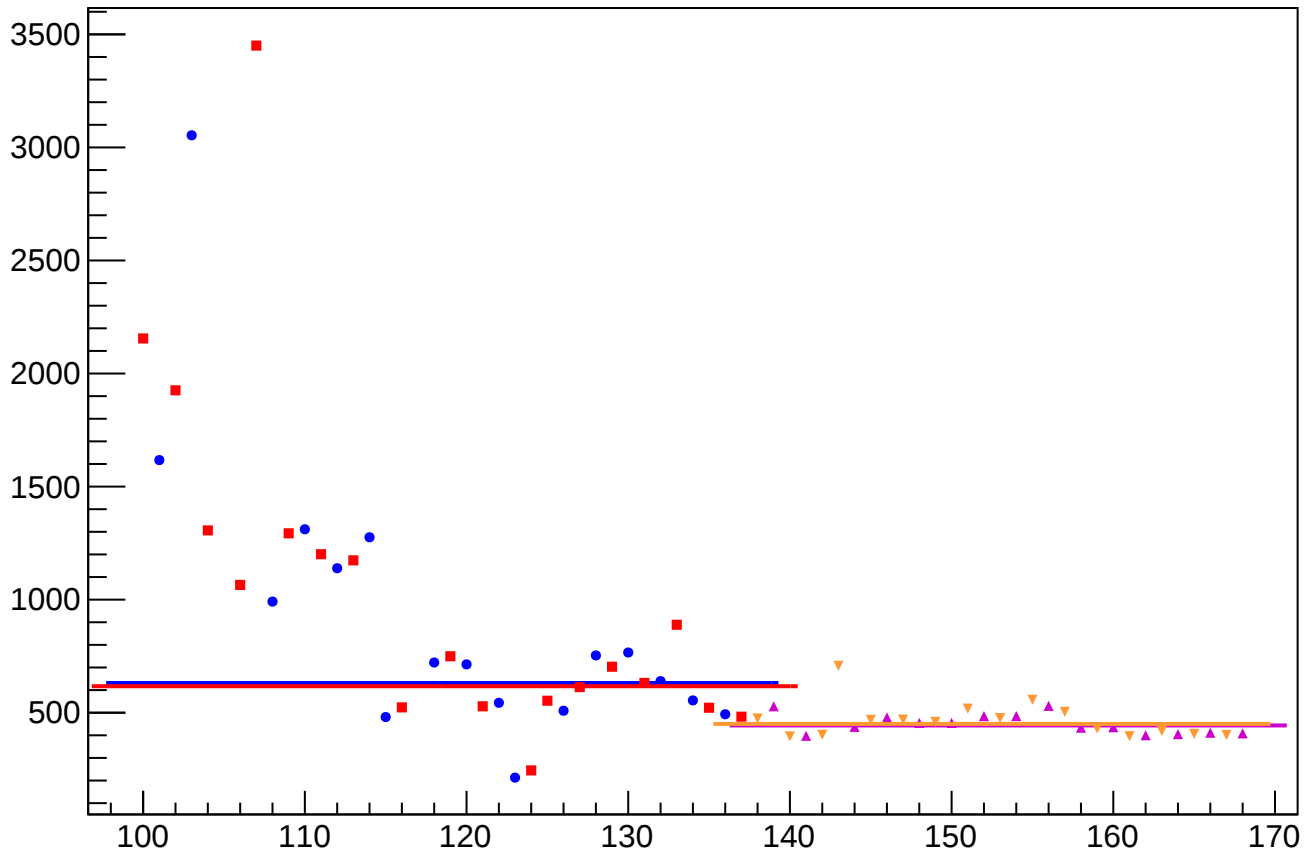
Left In: -151.532+/-130.374 χ^2/NDF :16.1/14

+ sign 659.564+/-118.543 χ^2/NDF : 53.2/32

All: 298.182+/-83.299 χ^2/NDF : 104.7/66

- sign -54.320+/-117.077 χ^2/NDF : 33.2/33

asym_at1_dd_correction_rms vs Slug



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 450.366 $\pm$ 0.093 χ^2 /NDF: 412499.4/15

Right Out: 617.035 $\pm$ 0.188 χ^2 /NDF: 2802149.9/18

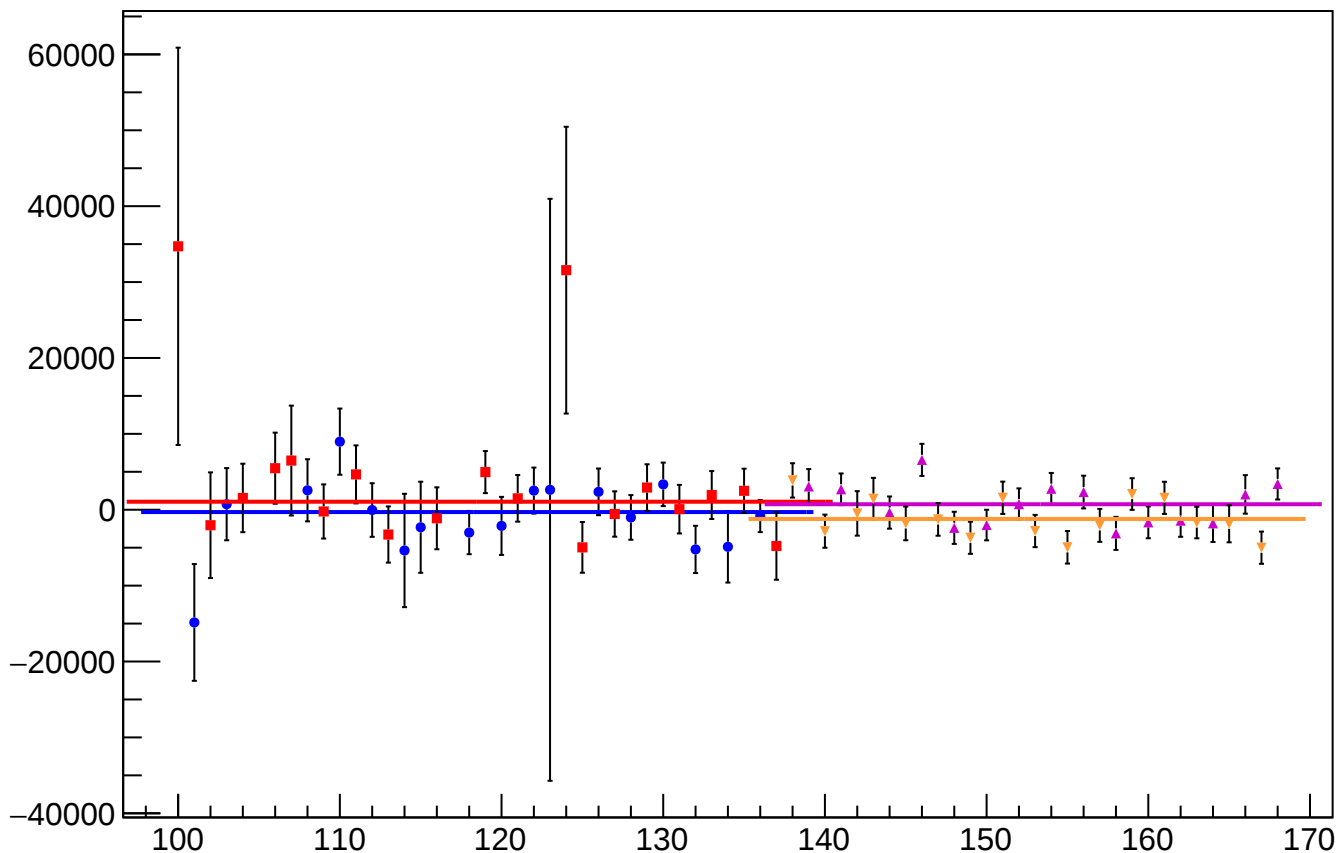
Left In: 443.638 $\pm$ 0.092 χ^2 /NDF: 184703.9/14

+ sign 485.235 $\pm$ 0.084 χ^2 /NDF: 3398720.5/32

All: 481.170 $\pm$ 0.059 χ^2 /NDF: 7075073.5/66

- sign 477.205 $\pm$ 0.083 χ^2 /NDF: 3671707.2/33

asym_at1_dd_mean vs Slug



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -1213.310 ± 555.463 χ^2/NDF : 21.0/15

Right Out: 1056.856 ± 867.445 χ^2/NDF : 16.6/18

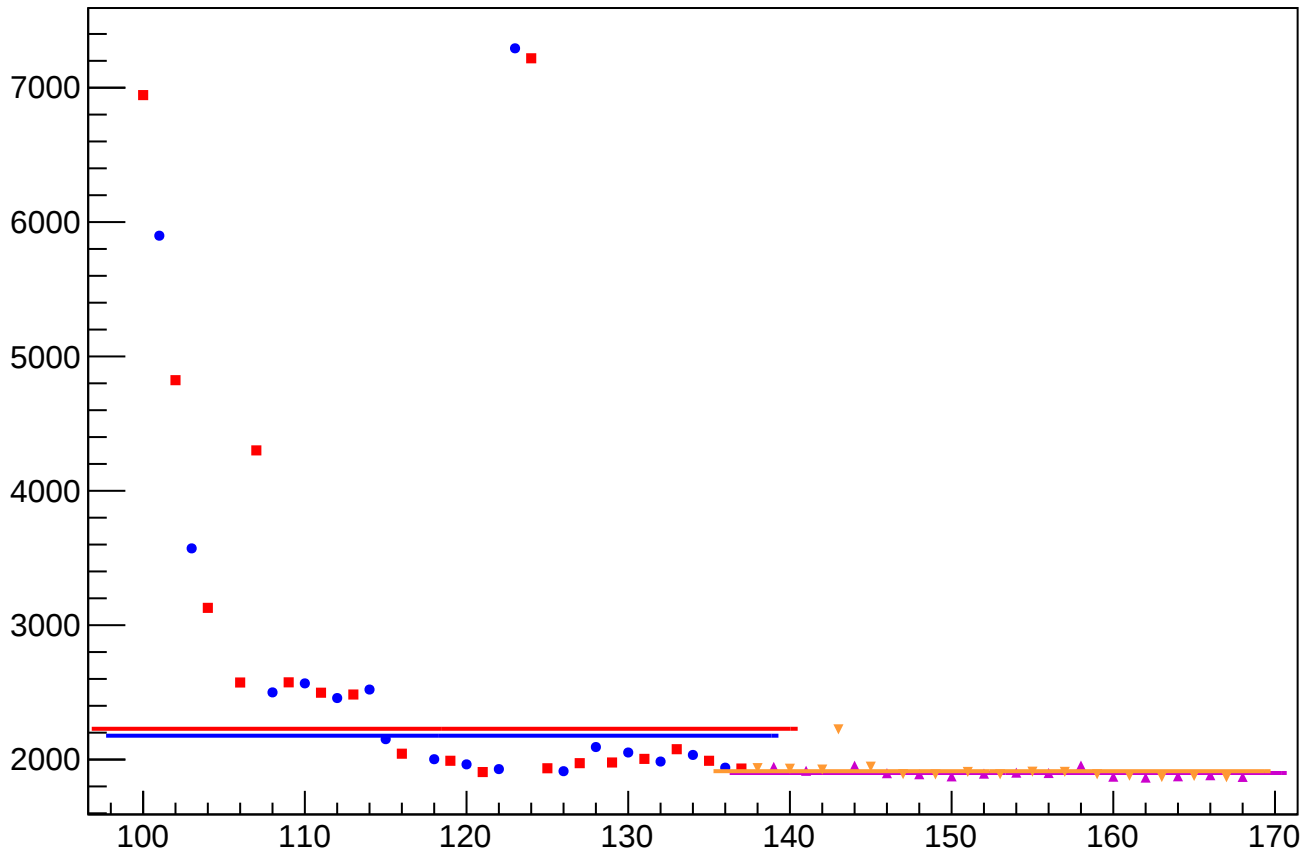
Left In: 725.182 ± 556.316 χ^2/NDF : 23.8/14

+ sign -951.304 ± 468.476 χ^2/NDF : 38.9/32

All: -64.373 ± 331.195 χ^2/NDF : 86.7/66

- sign 821.843 ± 468.287 χ^2/NDF : 40.6/33

asym_at1_dd_rms vs Slug



Right In: 2177.446 $\pm$ 0.617 χ^2 /NDF: 802836.7/16

Left Out: 1913.429 $\pm$ 0.393 χ^2 /NDF:30207.1/15

Right Out: 2229.014 $\pm$ 0.613 χ^2 /NDF: 895809.1/18

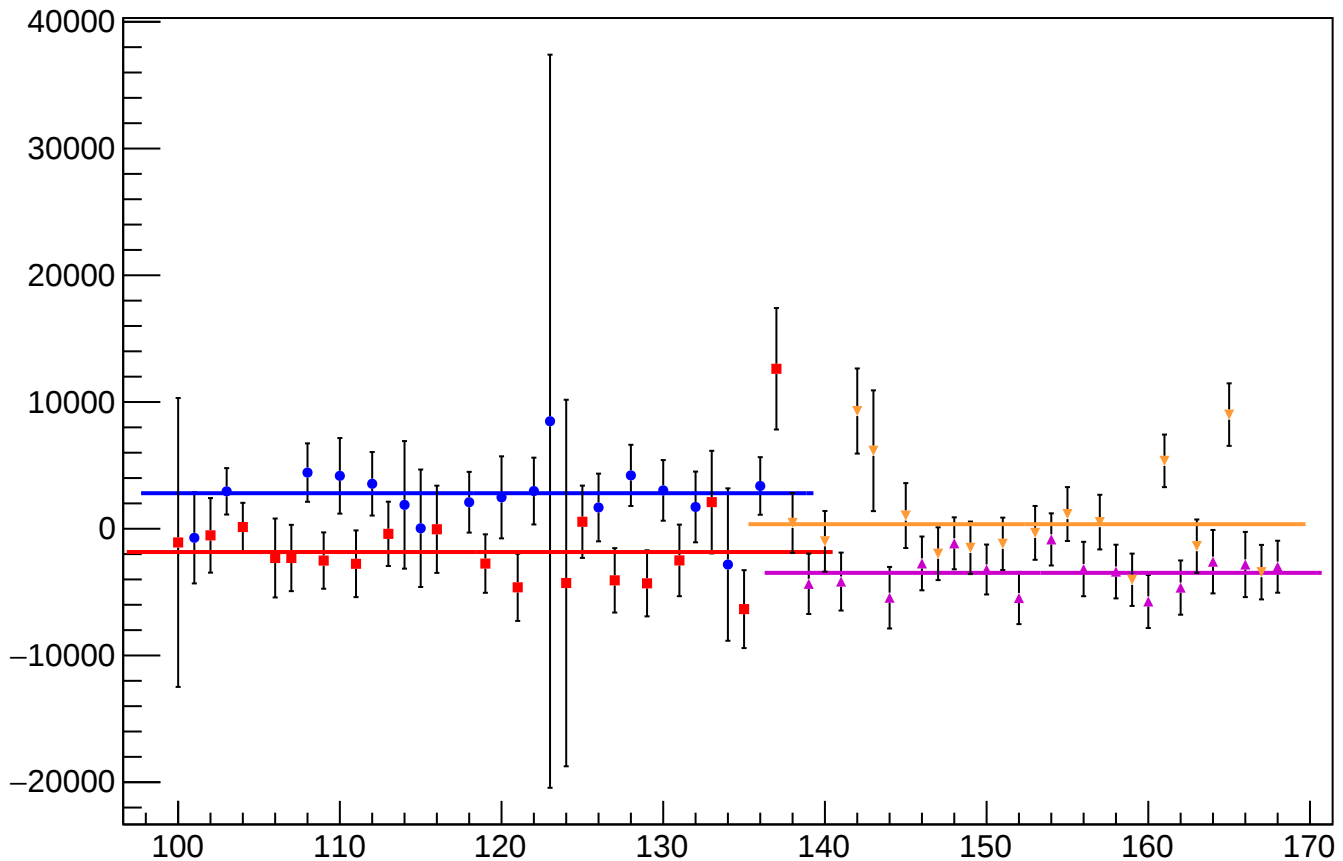
Left In: 1899.941 $\pm$ 0.393 χ^2 /NDF:5448.4/14

+ sign 1989.646 $\pm$ 0.331 χ^2 /NDF: 963481.4/32

All: 1992.746 $\pm$ 0.234 χ^2 /NDF: 2068858.8/60

- sign 1995.844 $\pm$ 0.331 χ^2 /NDF: 1105202.3/33

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917 ± 678.548 χ^2/NDF : 3.9/16

Left Out: 360.111 ± 570.892 χ^2/NDF : 38.2/15

Right Out: -1837.168 ± 655.307 χ^2/NDF : 18.0/18

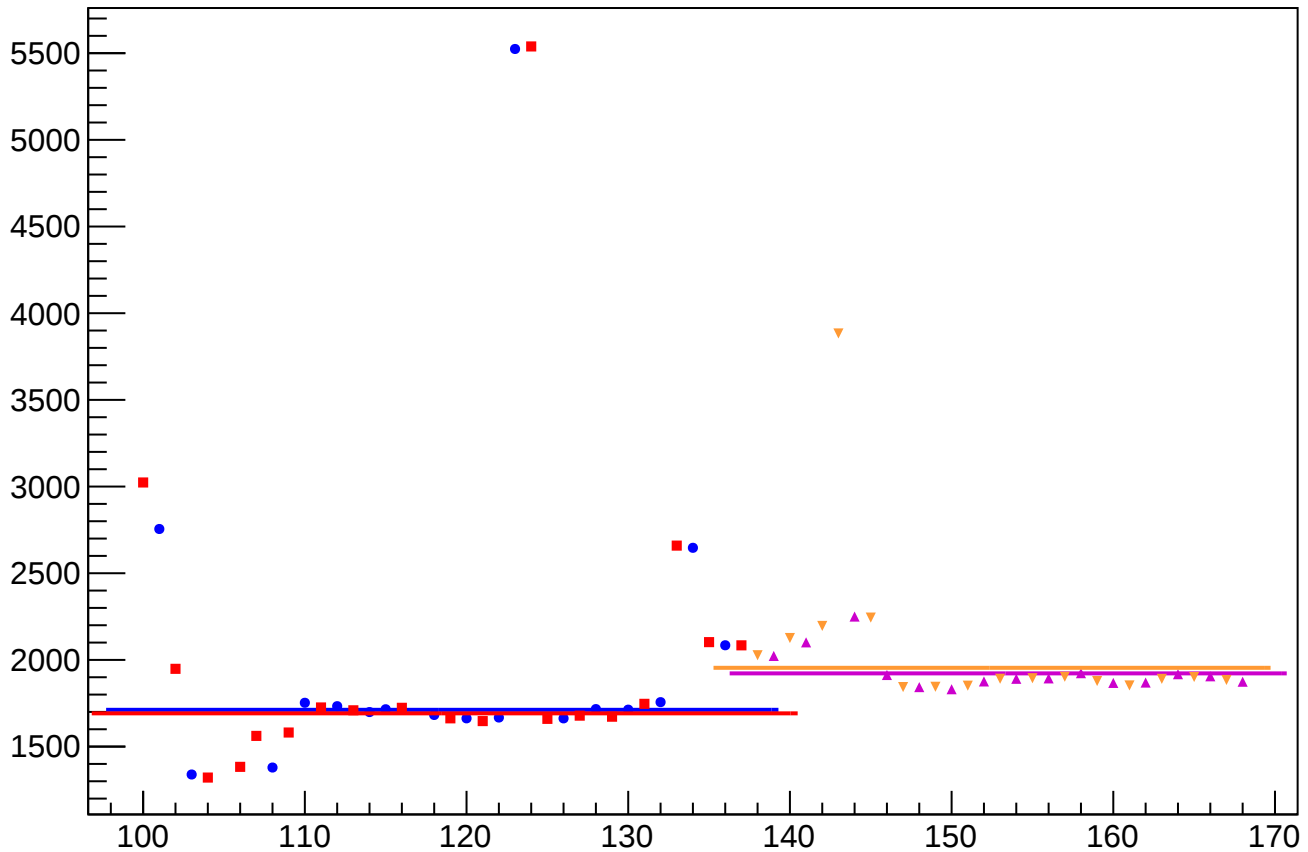
Left In: -3479.938 ± 562.381 χ^2/NDF : 6.6/14

+ sign 1372.999 ± 436.846 χ^2/NDF : 49.7/32

All: -753.585 ± 305.272 χ^2/NDF : 124.3/66

- sign -2783.193 ± 426.769 χ^2/NDF : 28.3/33

reg_asym_at2_avg_rms vs Slug



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 1954.477+/-0.404 χ^2/NDF : 408972.4/15

Right Out: 1691.747+/-0.463 χ^2/NDF : 454922.1/18

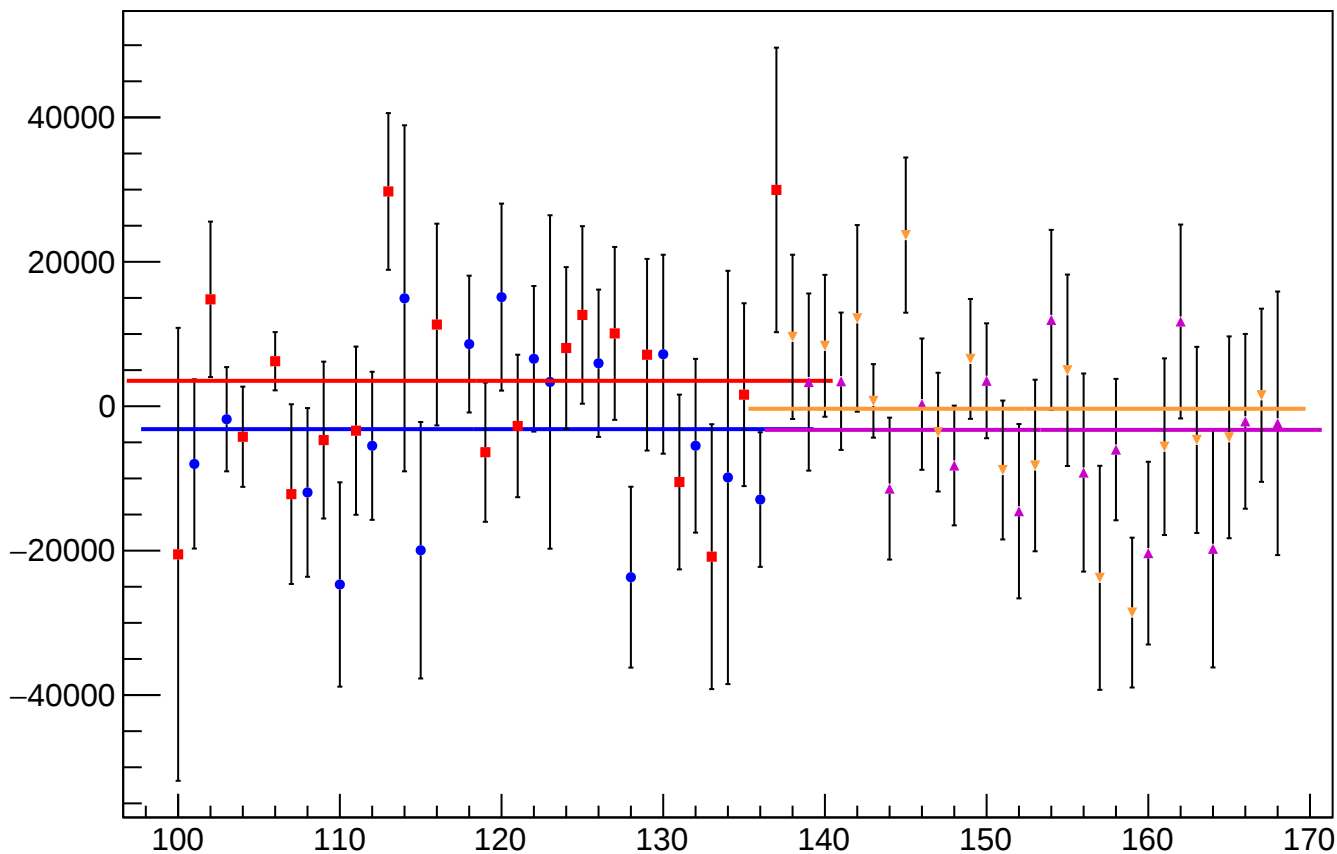
Left In: 1922.304+/-0.398 χ^2/NDF : 65205.1/14

+ sign 1854.041+/-0.309 χ^2/NDF : 990801.9/32

All: 1838.935+/-0.216 χ^2/NDF : 1658173.0/60

- sign 1824.517+/-0.302 χ^2/NDF : 662696.9/33

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 ± 2851.982 χ^2/NDF : 14.4/16

Left Out: -349.232 ± 2481.361 χ^2/NDF : 19.8/15

Right Out: 3520.105 ± 2266.532 χ^2/NDF : 19.5/18

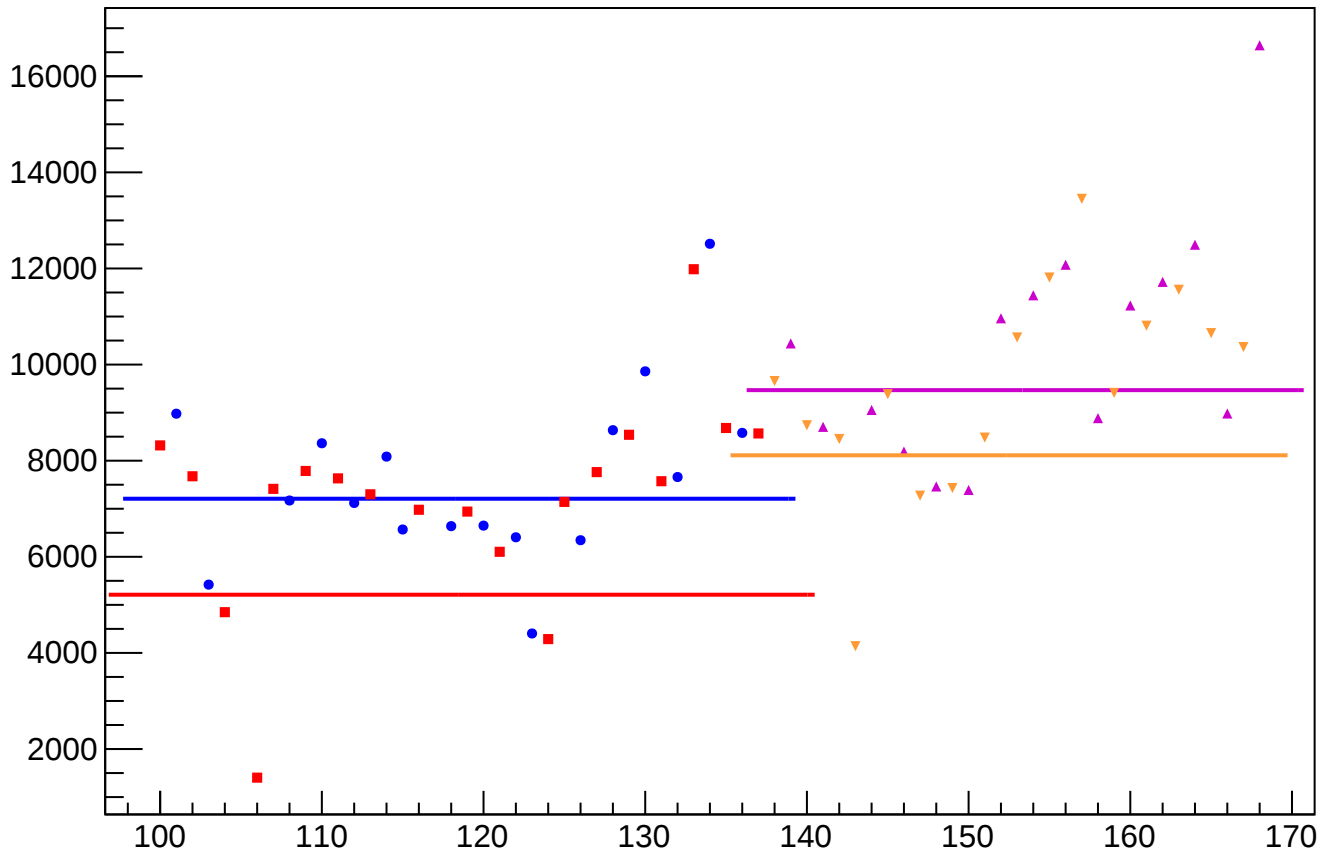
Left In: -3272.213 ± 2830.268 χ^2/NDF : 9.4/14

+ sign -1565.938 ± 1872.001 χ^2/NDF : 34.8/32

All: -281.262 ± 1285.804 χ^2/NDF : 68.1/66

- sign 866.137 ± 1769.157 χ^2/NDF : 32.4/33

asym_at2_avg_correction_rms vs Slug



Right In: 7208.567+/-2.017 χ^2/NDF : 469302.0/16

Left Out: 8112.236+/-1.755 χ^2/NDF : 2214849.4/15

Right Out: 5211.187+/-1.603 χ^2/NDF : 3196870.2/18

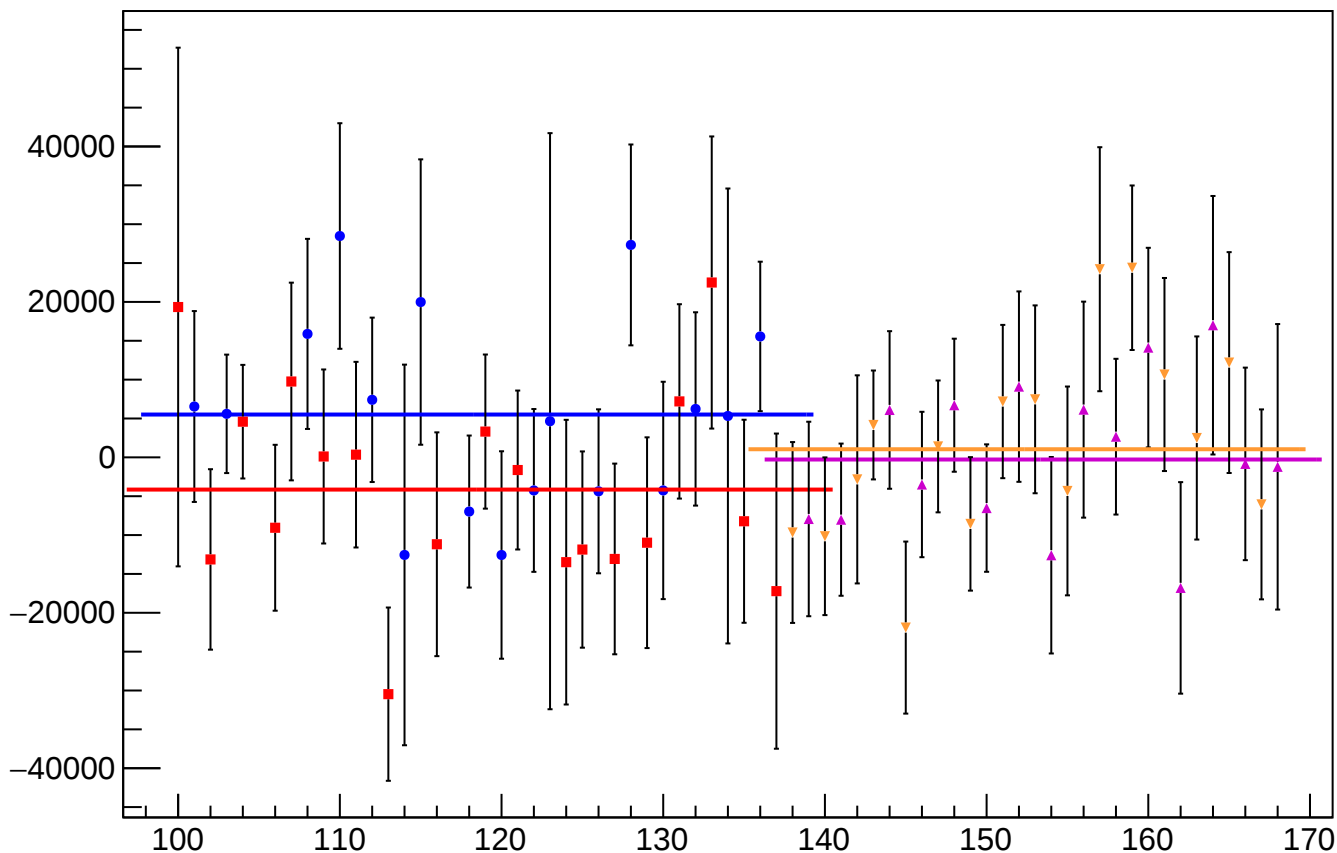
Left In: 9468.249+/-2.001 χ^2/NDF : 957266.1/14

+ sign 7722.897+/-1.324 χ^2/NDF : 2798435.9/32

All: 7274.782+/-0.909 χ^2/NDF : 9926323.7/60

- sign 6874.552+/-1.251 χ^2/NDF : 6910928.1/33

asym_at2_avg_mean vs Slug



Right In: 5509.395+/-2971.033 χ^2/NDF : 14.1/16

Left Out: 1043.707+/-2688.959 χ^2/NDF : 17.3/15

Right Out: -4146.067+/-2790.212 χ^2/NDF : 15.4/18

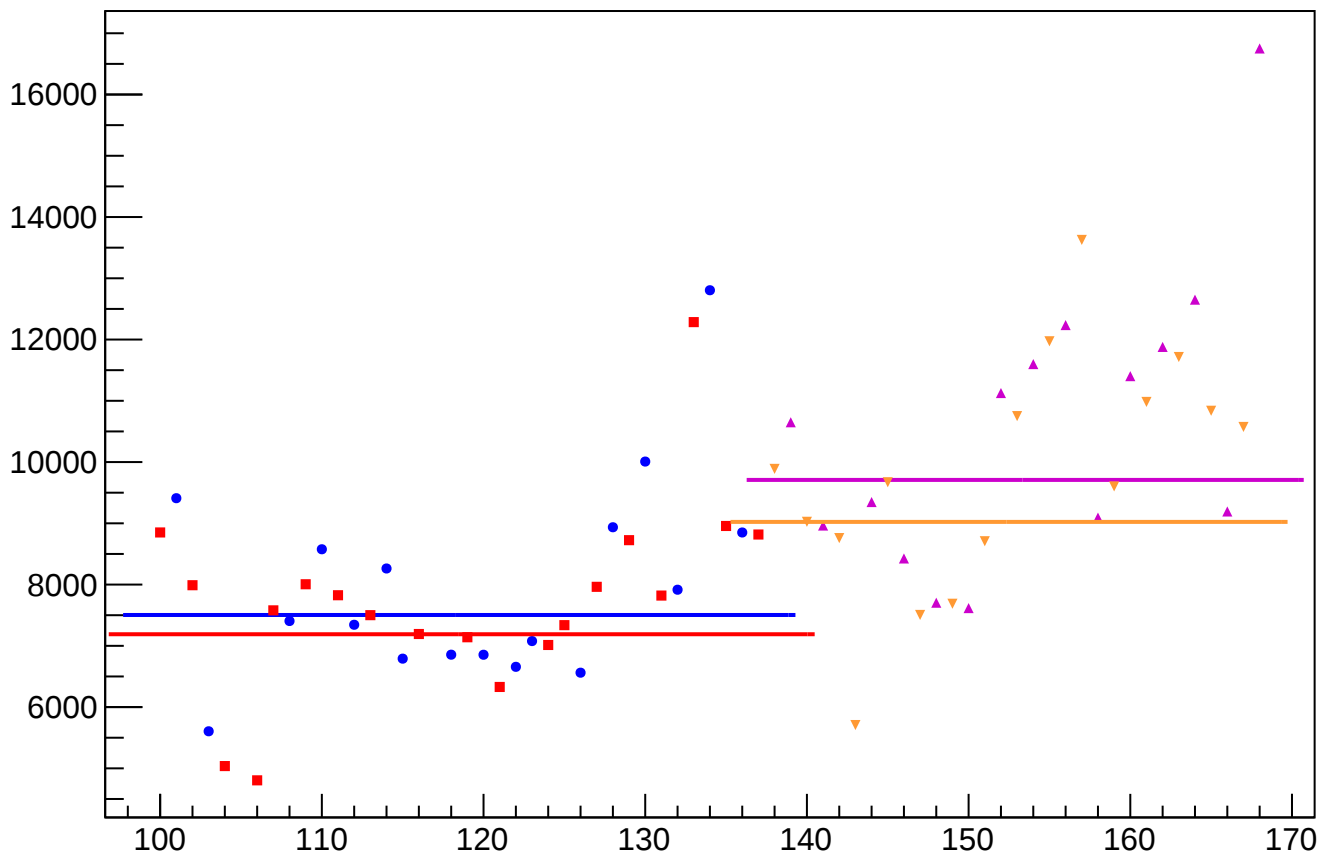
Left In: -277.665+/-2897.470 χ^2/NDF : 8.4/14

+ sign 3054.548+/-1993.665 χ^2/NDF : 32.7/32

All: 406.433+/-1415.414 χ^2/NDF : 61.0/66

- sign -2284.790+/-2009.827 χ^2/NDF : 24.8/33

asym_at2_avg_rms vs Slug



Right In: 7503.667 ± 2.101 χ^2/NDF : 427313.5/16

Left Out: 9023.305 ± 1.901 χ^2/NDF : 1095810.1/15

Right Out: 7189.231 ± 1.973 χ^2/NDF : 557703.4/18

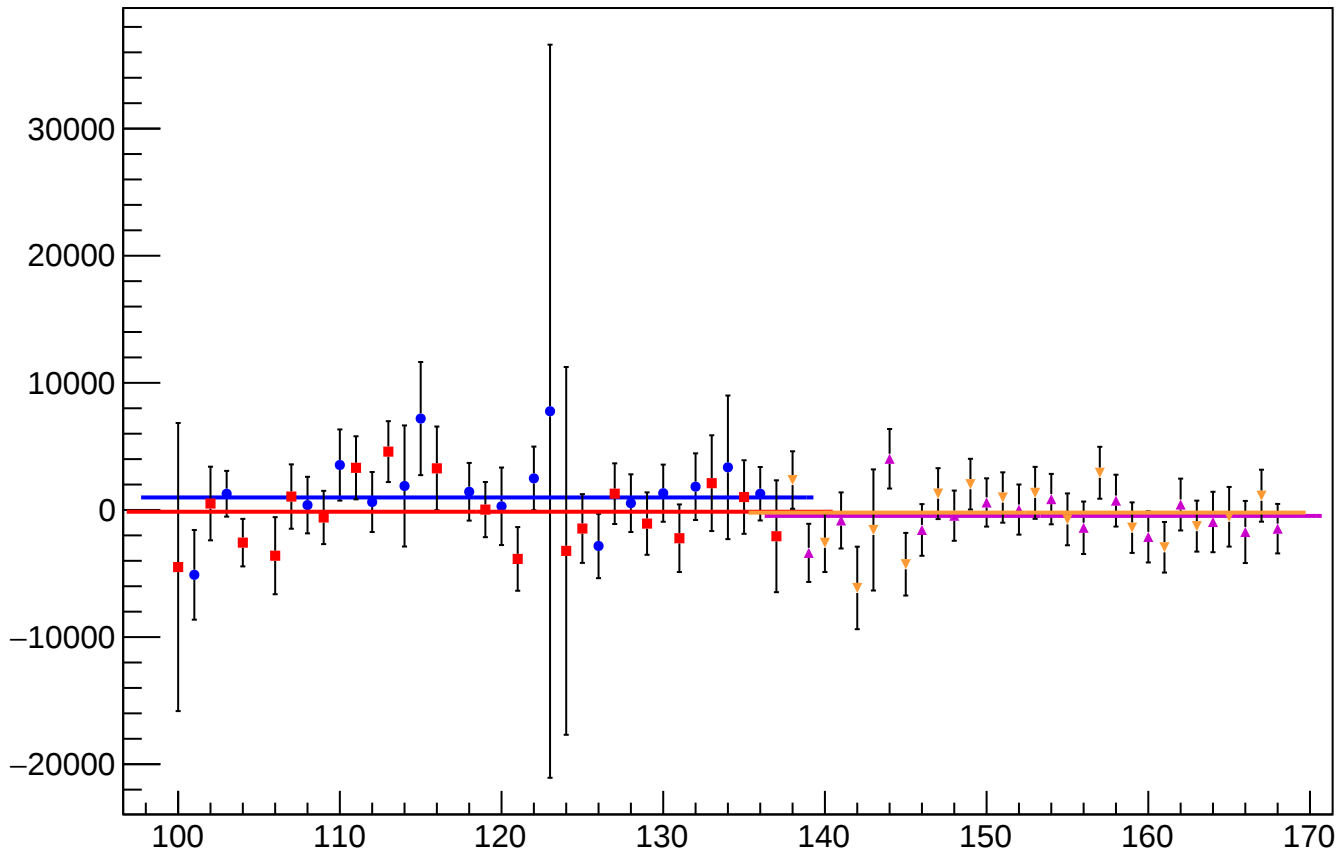
Left In: 9708.532 ± 2.049 χ^2/NDF : 894002.7/14

+ sign 8339.012 ± 1.410 χ^2/NDF : 1810759.7/32

All: 8369.871 ± 1.001 χ^2/NDF : 4048032.5/66

- sign 8401.228 ± 1.421 χ^2/NDF : 2236306.7/33

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 ± 644.630 χ^2/NDF : 9.1/16

Left Out: -207.975 ± 547.367 χ^2/NDF : 16.6/15

Right Out: -138.627 ± 623.555 χ^2/NDF : 14.7/18

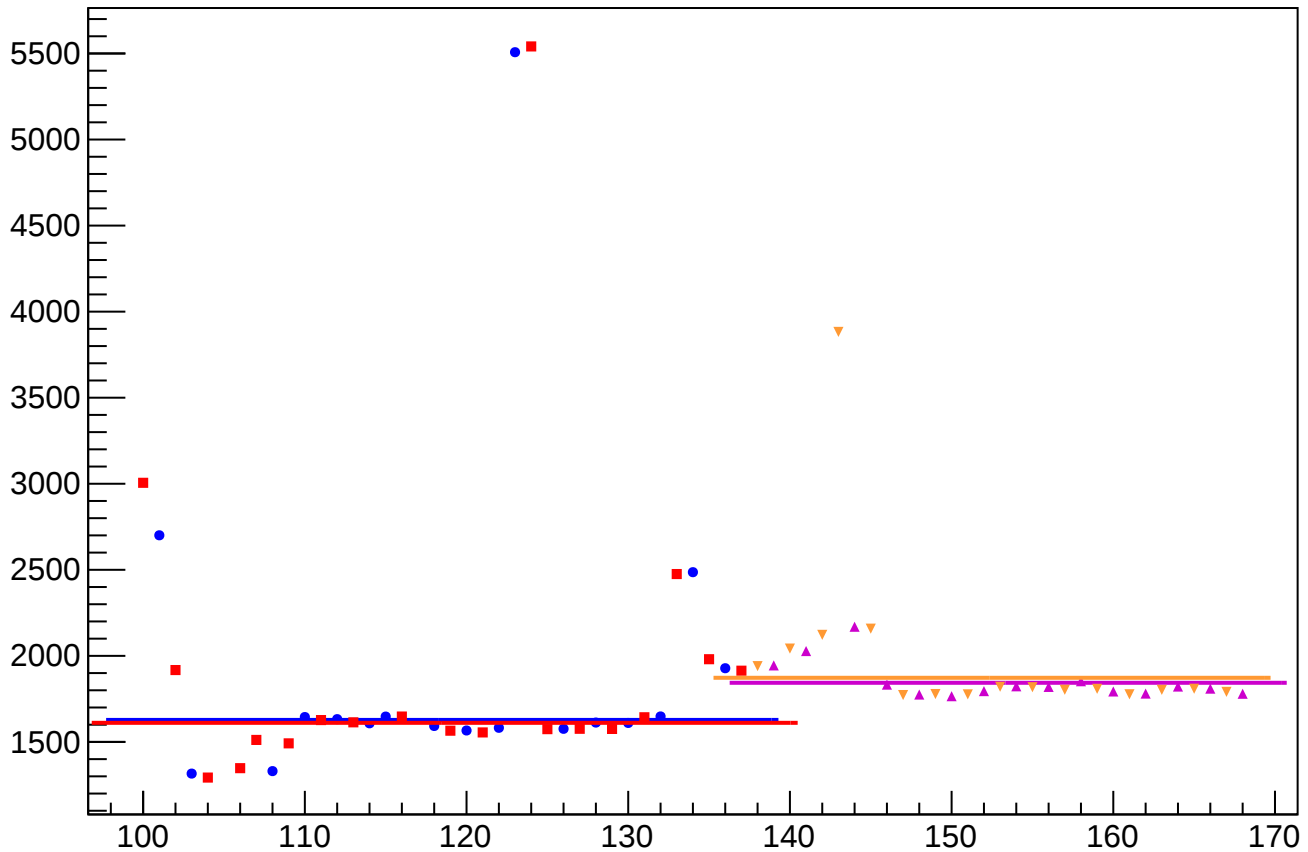
Left In: -466.945 ± 539.400 χ^2/NDF : 8.4/14

+ sign 292.003 ± 417.242 χ^2/NDF : 27.7/32

All: -24.174 ± 291.693 χ^2/NDF : 52.0/66

- sign -326.421 ± 407.947 χ^2/NDF : 23.3/33

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1872.644 $\pm$ 0.387 χ^2 /NDF: 440336.3/15

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

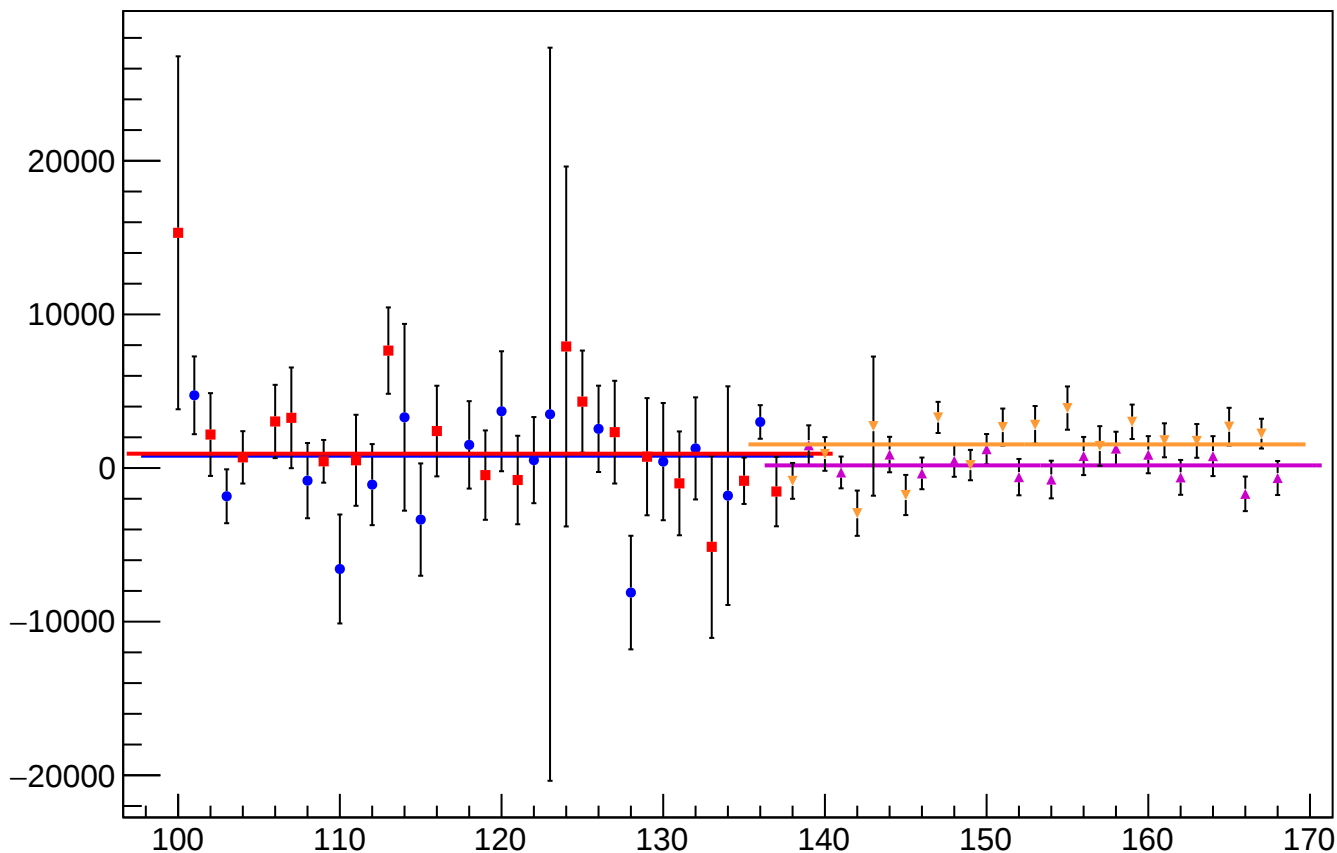
Left In: 1843.542 $\pm$ 0.381 χ^2 /NDF: 69922.0/14

+ sign 1770.083 $\pm$ 0.295 χ^2 /NDF: 1015044.7/32

All: 1756.742 $\pm$ 0.206 χ^2 /NDF: 1682098.0/60

- sign 1743.989 $\pm$ 0.288 χ^2 /NDF: 663053.8/33

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 ± 631.676 χ^2/NDF : 22.4/16

Left Out: 1537.996 ± 297.545 χ^2/NDF : 33.0/15

Right Out: 933.645 ± 589.727 χ^2/NDF : 15.3/18

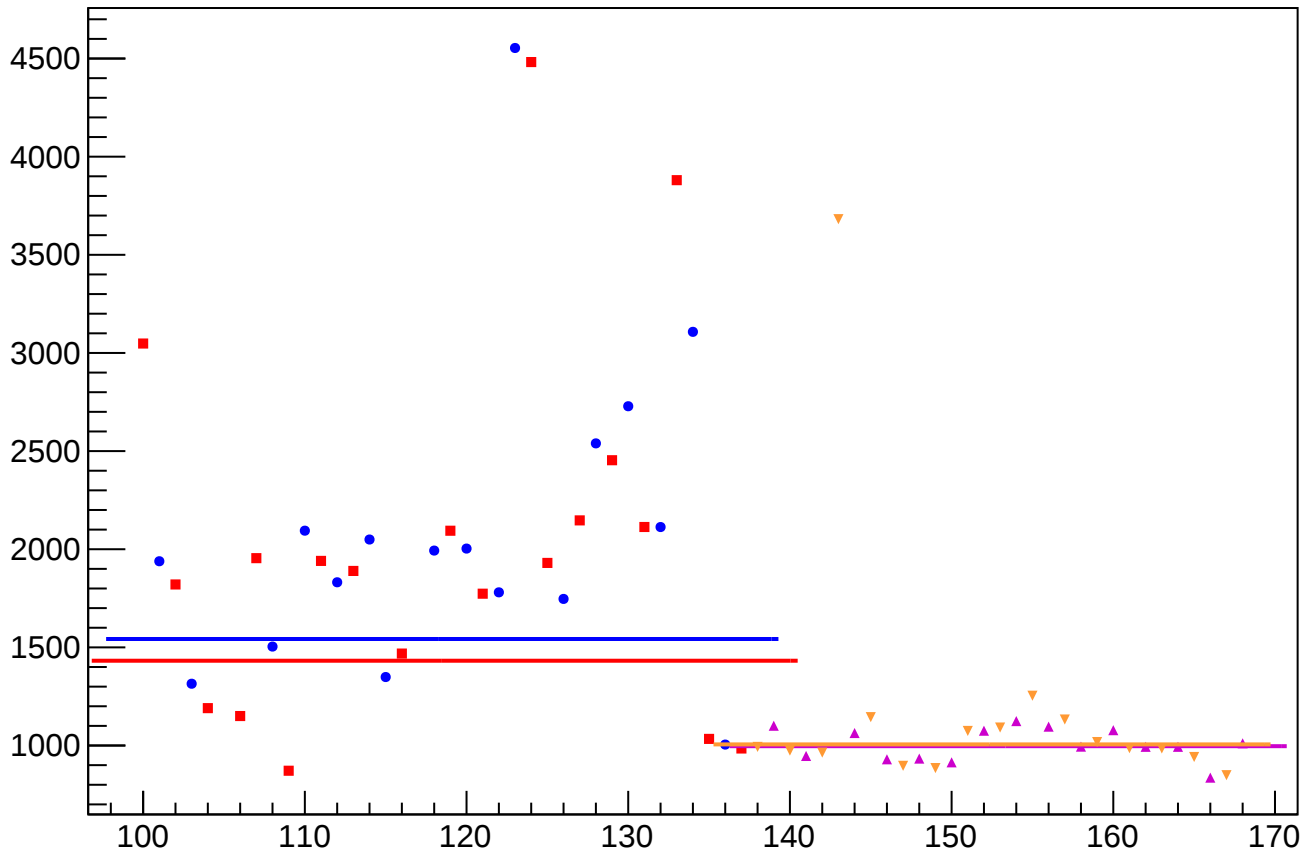
Left In: 171.884 ± 292.376 χ^2/NDF : 9.6/14

+ sign 1404.538 ± 269.177 χ^2/NDF : 56.5/32

All: 848.634 ± 187.730 χ^2/NDF : 91.0/66

- sign 322.182 ± 261.950 χ^2/NDF : 26.2/33

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705 $\pm$ 0.447 χ^2/NDF : 1287946.3/16

Left Out: 1005.708 $\pm$ 0.210 χ^2/NDF : 934181.0/15

+ sign 1103.220 $\pm$ 0.190 χ^2/NDF : 3405051.4/32

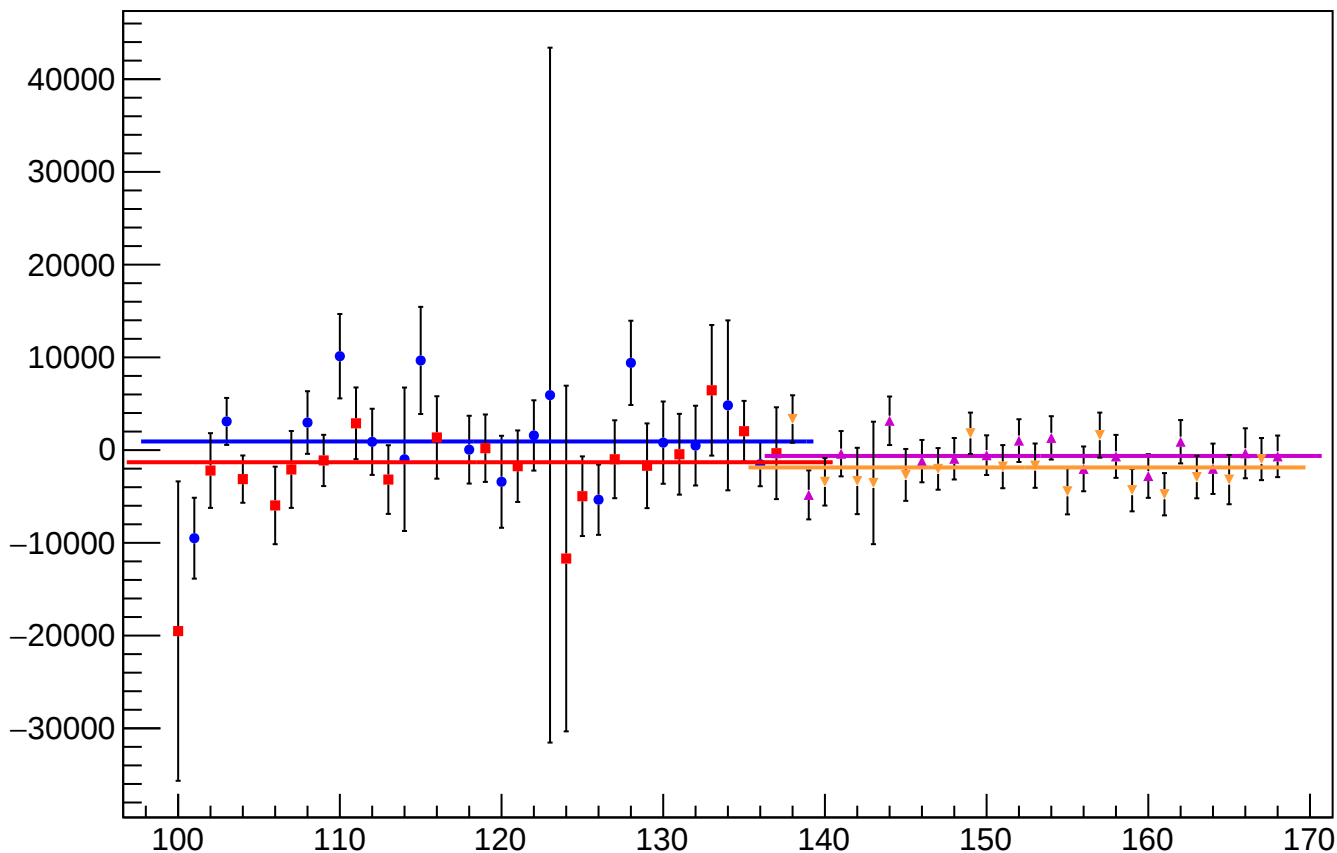
Right Out: 1432.013 $\pm$ 0.417 χ^2/NDF : 1823809.4/18

All: 1092.590 $\pm$ 0.133 χ^2/NDF : 6257594.8/60

Left In: 996.618 $\pm$ 0.207 χ^2/NDF : 147582.6/14

- sign 1082.523 $\pm$ 0.185 χ^2/NDF : 2846470.1/33

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -1868.396 ± 628.045 χ^2/NDF : 14.1/15

Right Out: -1307.802 ± 925.415 χ^2/NDF : 8.5/18

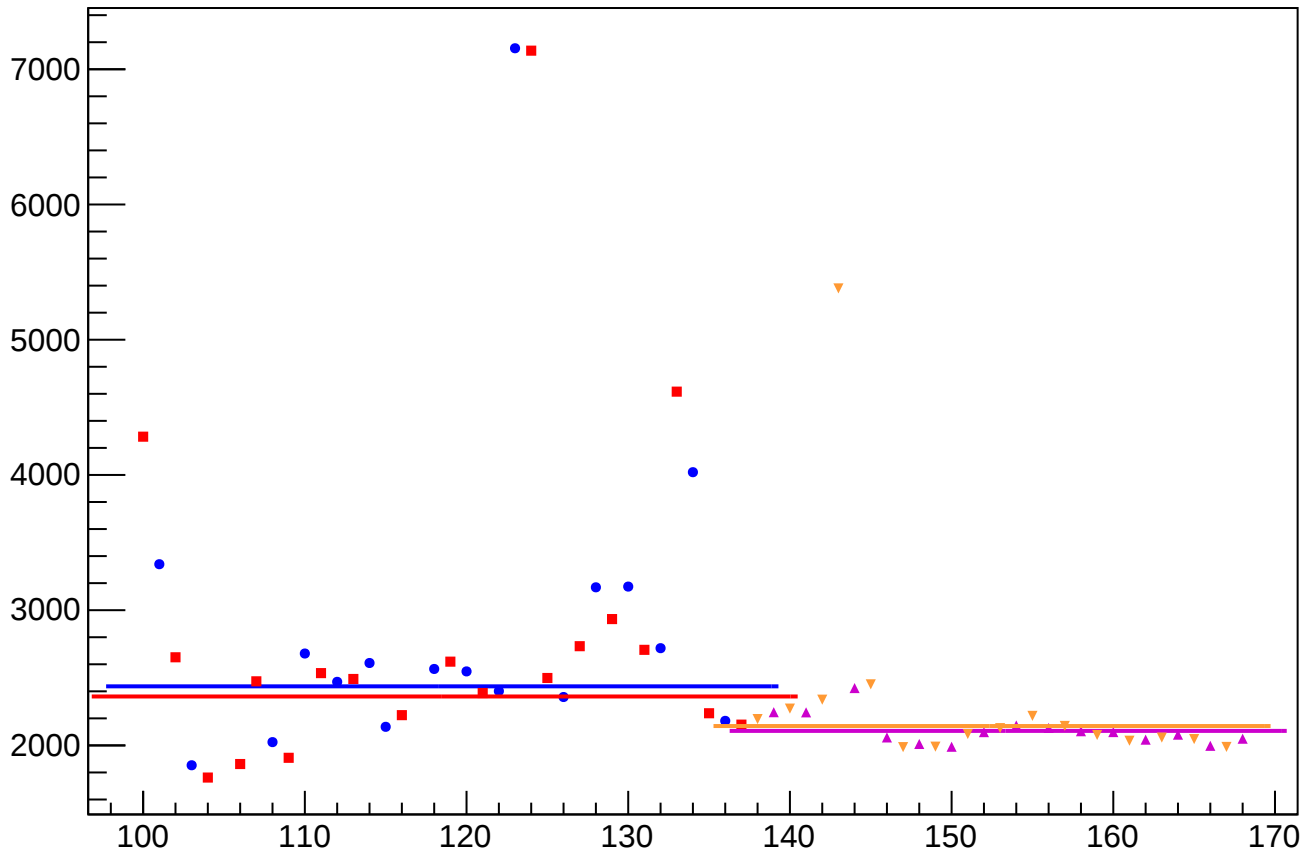
Left In: -629.682 ± 616.431 χ^2/NDF : 7.8/14

+ sign -1038.478 ± 526.858 χ^2/NDF : 41.6/32

All: -935.623 ± 367.559 χ^2/NDF : 58.3/66

- sign -838.094 ± 513.033 χ^2/NDF : 16.7/33

asym_at2_dd_rms vs Slug



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2143.316+/-0.444 χ^2/NDF : 559537.3/15

Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

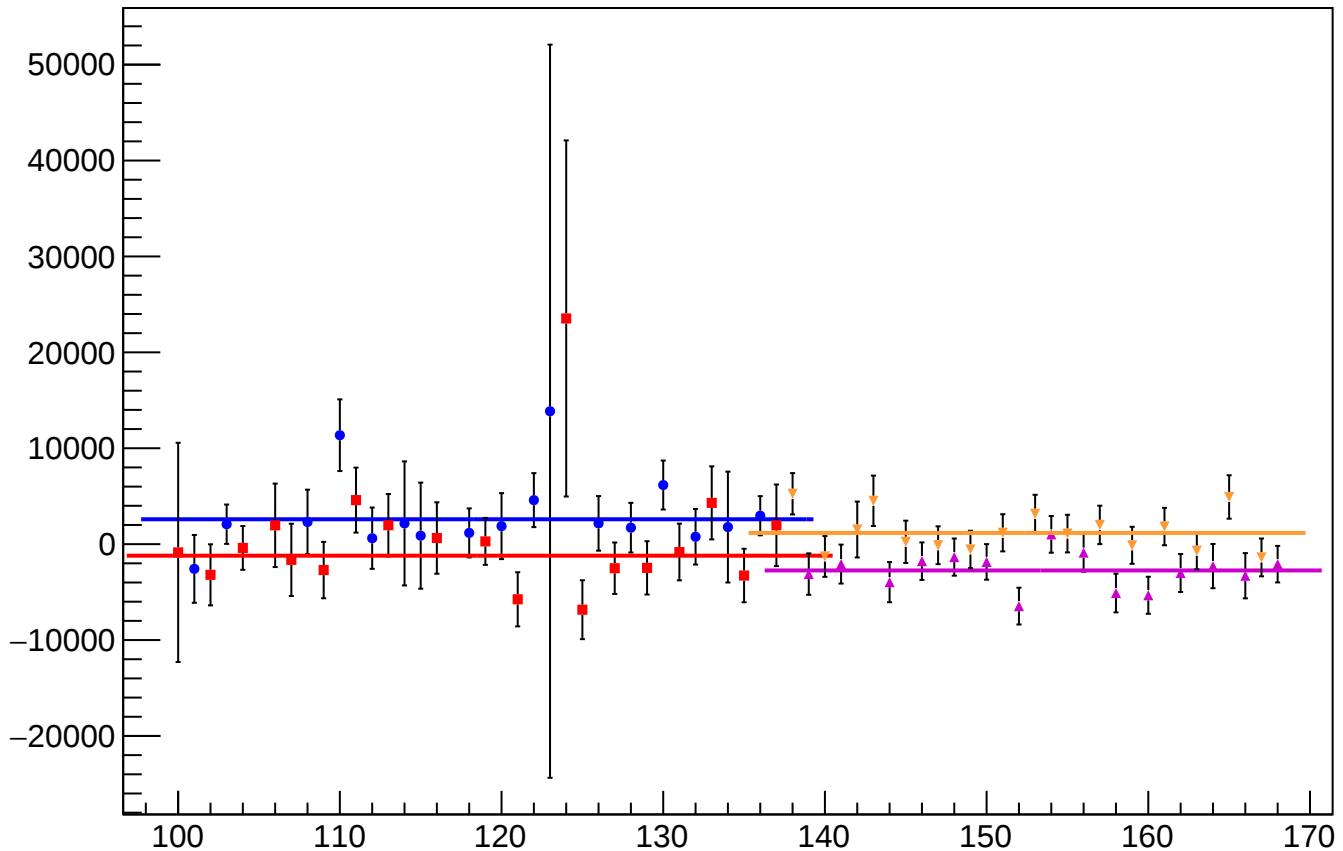
Left In: 2107.372+/-0.436 χ^2/NDF : 58912.7/14

+ sign 2230.284+/-0.373 χ^2/NDF : 1158007.9/32

All: 2207.344+/-0.260 χ^2/NDF : 1984936.5/60

- sign 2185.592+/-0.363 χ^2/NDF : 819541.8/33

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684 ± 743.000 χ^2/NDF : 11.7/16

Left Out: 1171.167 ± 519.592 χ^2/NDF : 15.0/15

Right Out: -1202.548 ± 739.618 χ^2/NDF : 17.2/18

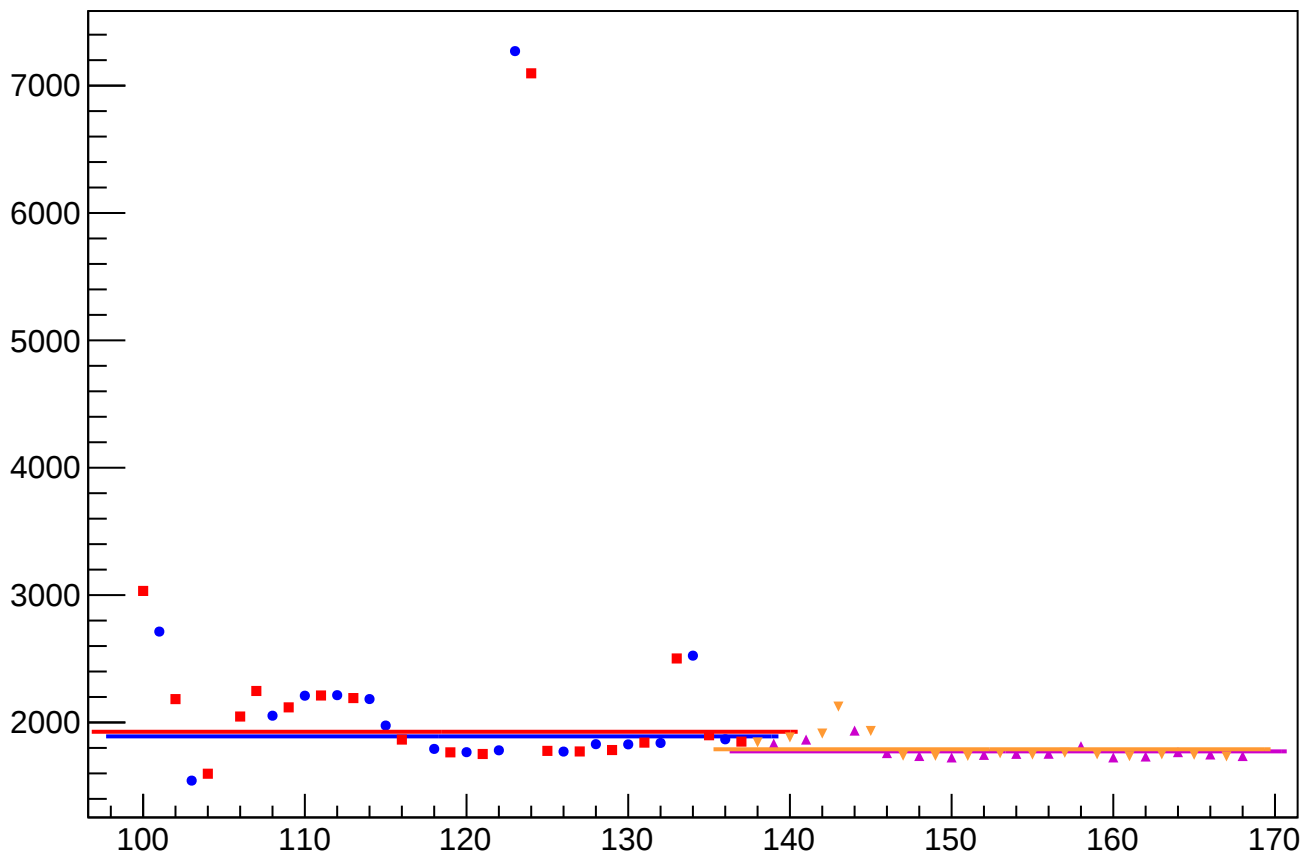
Left In: -2742.710 ± 518.869 χ^2/NDF : 13.4/14

+ sign 1638.689 ± 425.803 χ^2/NDF : 29.2/32

All: -302.734 ± 300.721 χ^2/NDF : 104.1/66

- sign -2234.722 ± 424.767 χ^2/NDF : 33.5/33

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1789.505+/-0.367 χ^2/NDF : 61218.1/15

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

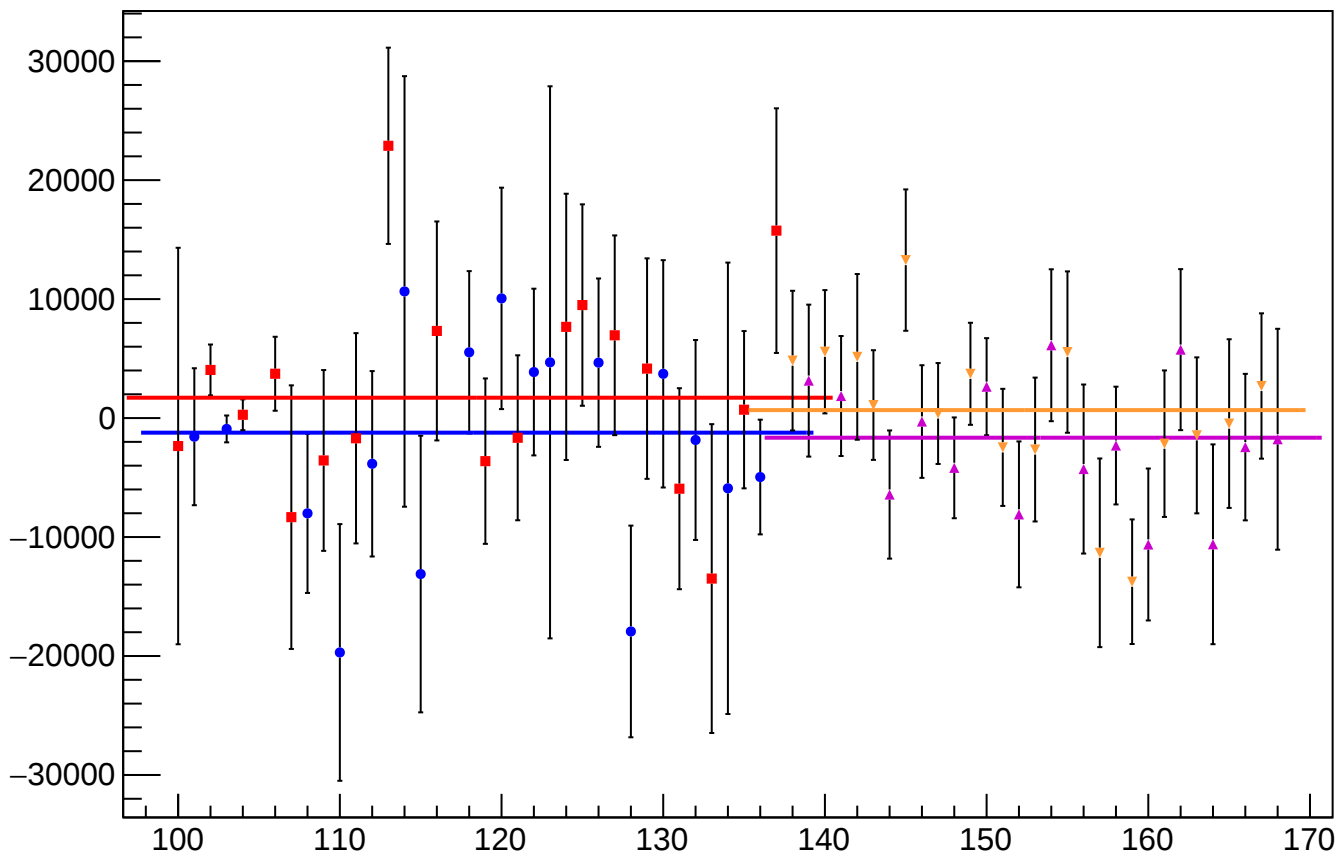
Left In: 1772.970+/-0.367 χ^2/NDF : 24596.2/14

+ sign 1822.747+/-0.301 χ^2/NDF : 375089.0/32

All: 1823.307+/-0.213 χ^2/NDF : 820162.2/66

- sign 1823.864+/-0.300 χ^2/NDF : 445066.4/33

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 669.503 $\pm$ 1398.445 χ^2 /NDF:18.4/15

Right Out: 1711.747 $\pm$ 941.580 χ^2 /NDF: 17.8/18

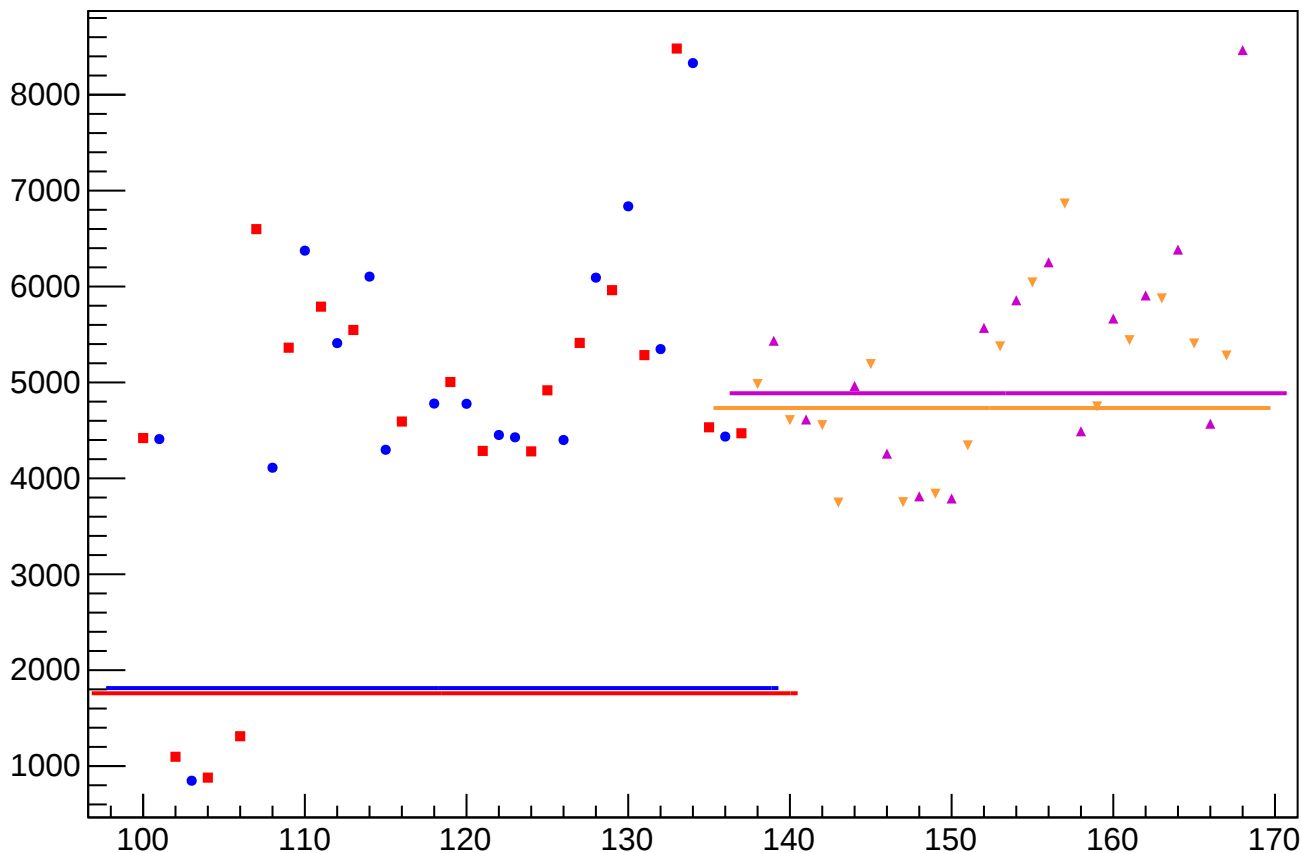
Left In: -1650.310 $\pm$ 1460.228 χ^2 /NDF:10.4/14

+ sign -598.398 $\pm$ 805.076 χ^2 /NDF: 33.4/32

All: 74.378 $\pm$ 564.352 χ^2 /NDF: 66.8/66

- sign 724.377 $\pm$ 791.331 χ^2 /NDF: 32.0/33

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4733.435+/-0.989 χ^2/NDF : 679160.3/15

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

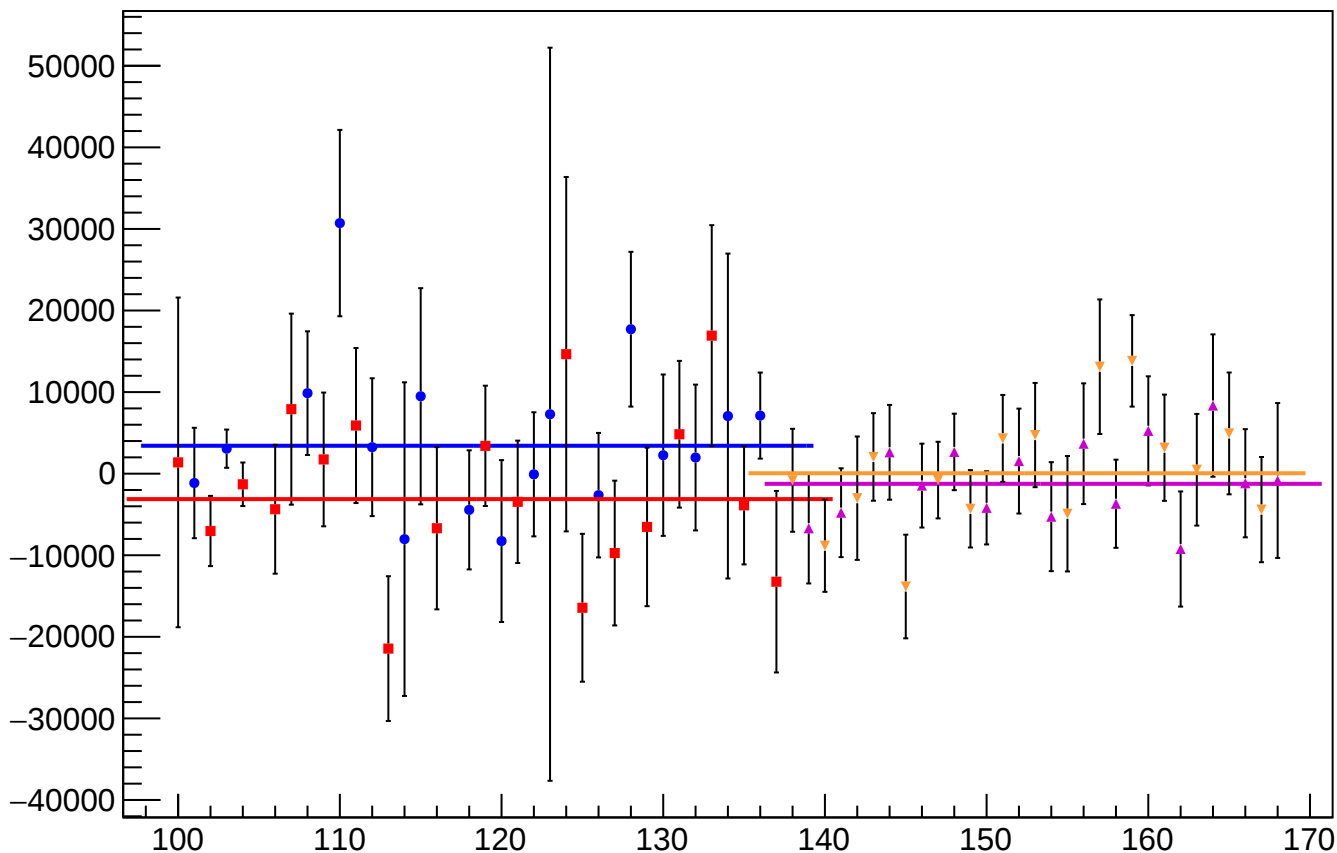
Left In: 4887.282+/-1.033 χ^2/NDF : 928472.8/14

+ sign 2781.030+/-0.569 χ^2/NDF : 12958988.9/32

All: 2728.531+/-0.399 χ^2/NDF : 26700078.9/6

- sign 2677.810+/-0.560 χ^2/NDF : 13724368.8/33

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: 52.620+/-1513.995 χ^2/NDF : 19.8/15

Right Out: -3117.857+/-1605.930 χ^2/NDF : 16.0/18

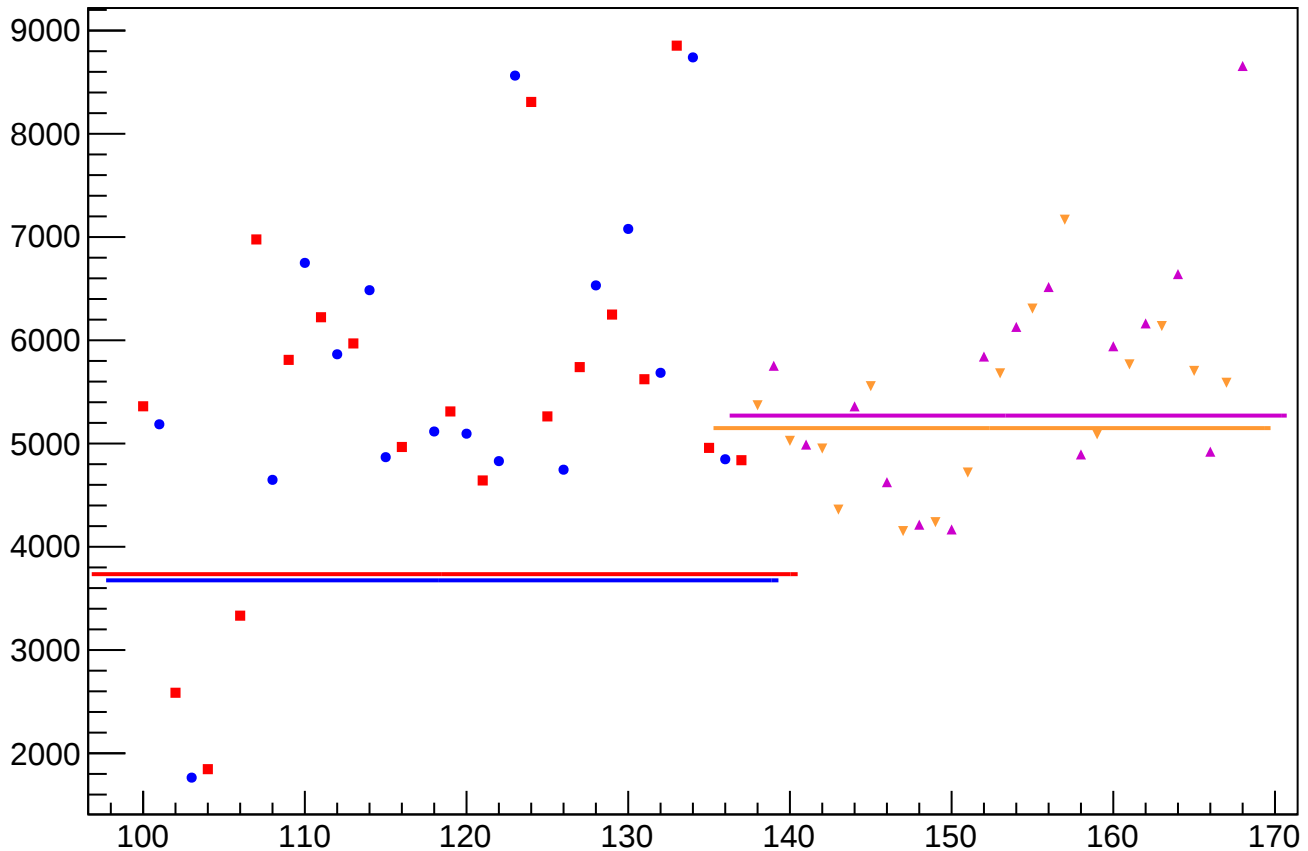
Left In: -1245.697+/-1568.033 χ^2/NDF : 7.3/14

+ sign 1636.982+/-1101.865 χ^2/NDF : 35.8/32

All: -226.978+/-786.133 χ^2/NDF : 65.6/66

- sign -2159.427+/-1121.926 χ^2/NDF : 24.0/33

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5149.464+/-1.071 χ^2/NDF : 500655.1/15

+ sign 4455.986+/-0.779 χ^2/NDF : 4167910.5/32

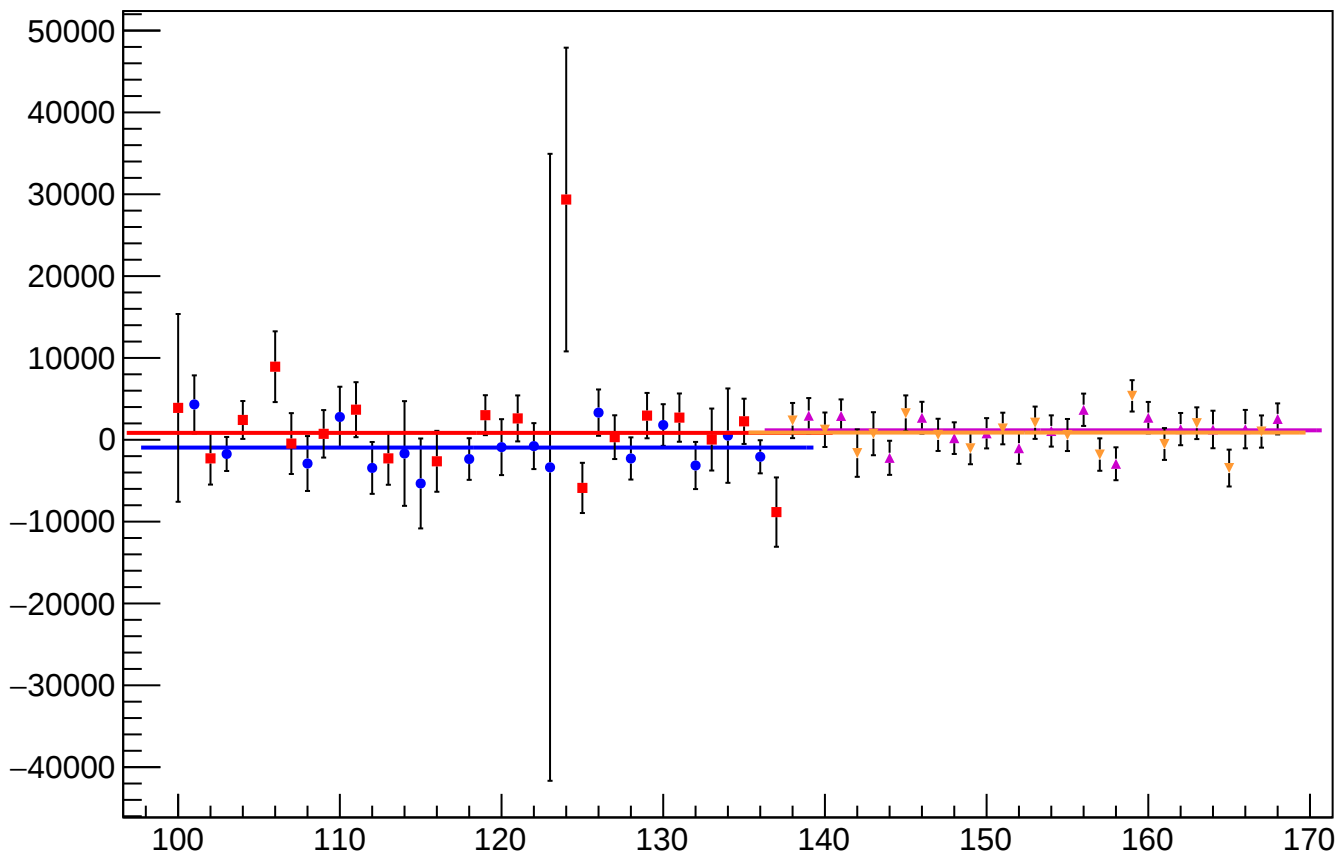
Right Out: 3734.796+/-1.128 χ^2/NDF : 2693929.0/18

All: 4485.525+/-0.555 χ^2/NDF : 8554279.0/60

- sign 4515.950+/-0.791 χ^2/NDF : 4383450.7/33

Left In: 5270.662+/-1.109 χ^2/NDF : 746646.4/14

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377+/-740.668 χ^2 /NDF: 10.0/16

Left Out: 880.886+/-517.431 χ^2 /NDF:15.8/15

Right Out: 843.515+/-737.527 χ^2 /NDF: 22.5/18

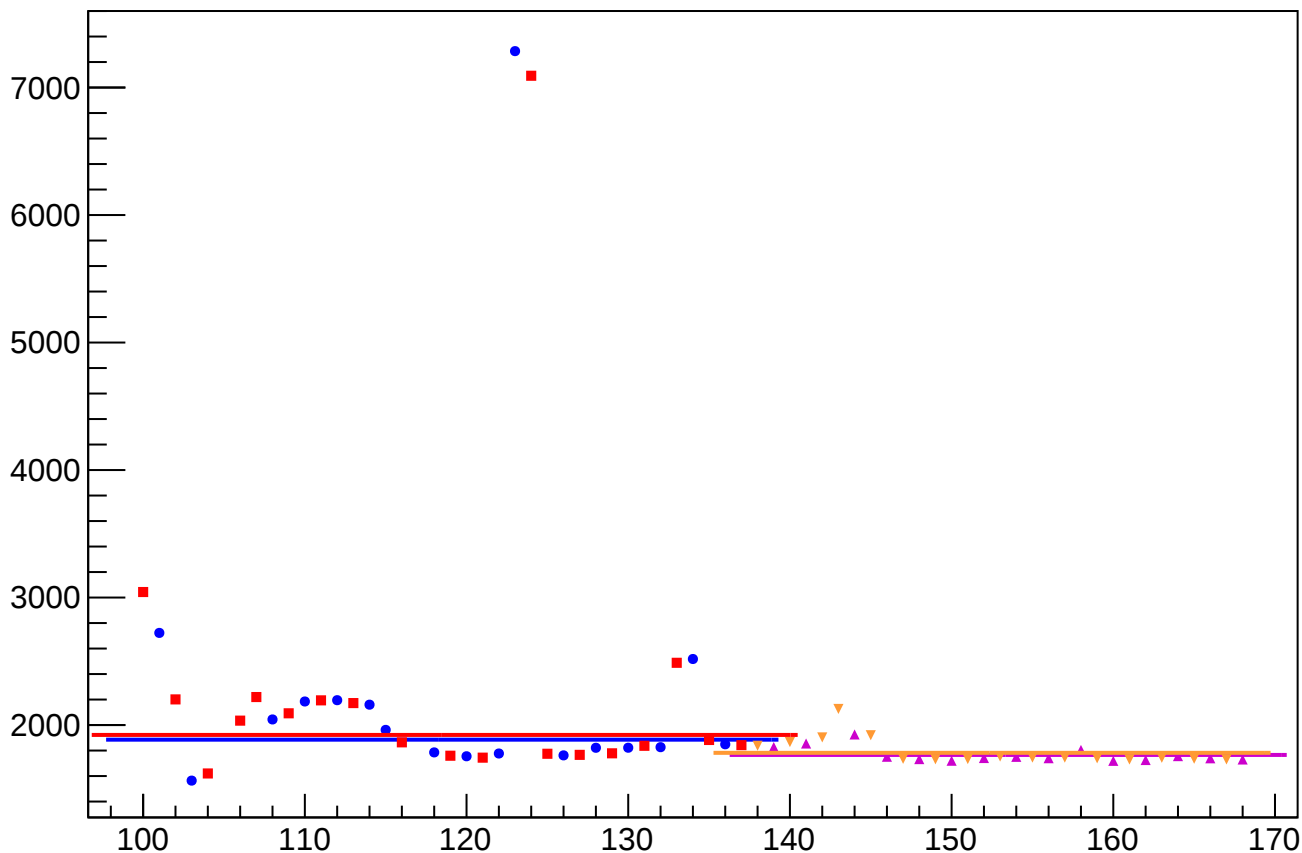
Left In: 1155.076+/-516.699 χ^2 /NDF:13.2/14

+ sign 279.948+/-424.174 χ^2 /NDF: 29.8/32

All: 667.131+/-299.584 χ^2 /NDF: 67.3/66

- sign 1052.502+/-423.180 χ^2 /NDF: 35.8/33

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360 ± 0.524 χ^2/NDF : 280429.0/16

Left Out: 1782.110 ± 0.366 χ^2/NDF : 61447.9/15

Right Out: 1922.538 ± 0.521 χ^2/NDF : 351512.1/18

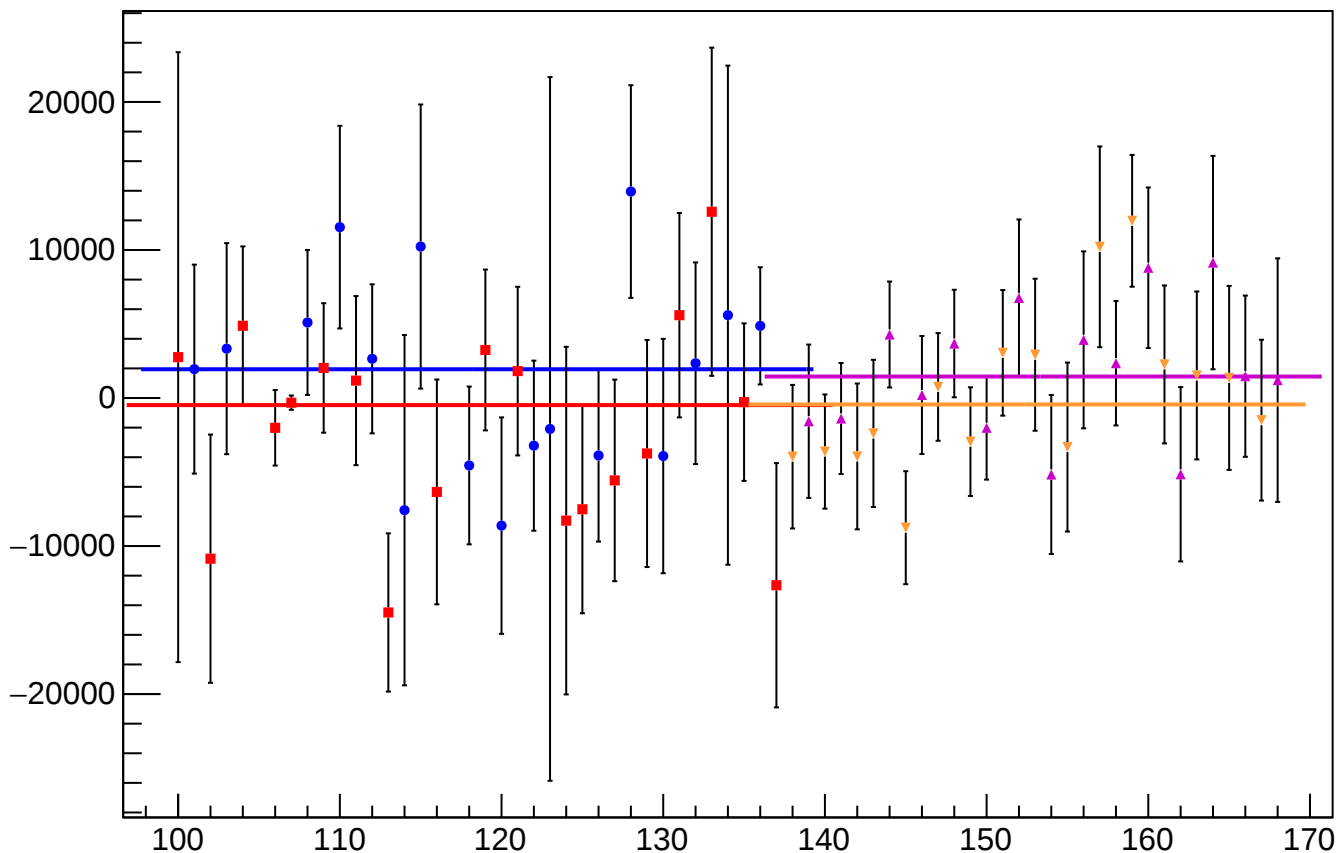
Left In: 1765.586 ± 0.365 χ^2/NDF : 23869.9/14

+ sign 1815.974 ± 0.300 χ^2/NDF : 367995.4/32

All: 1816.672 ± 0.212 χ^2/NDF : 804271.2/66

- sign 1817.367 ± 0.299 χ^2/NDF : 436265.0/33

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -434.688+/-1168.725 χ^2/NDF : 19.3/15

Right Out: -478.828+/-453.684 χ^2/NDF : 18.1/18

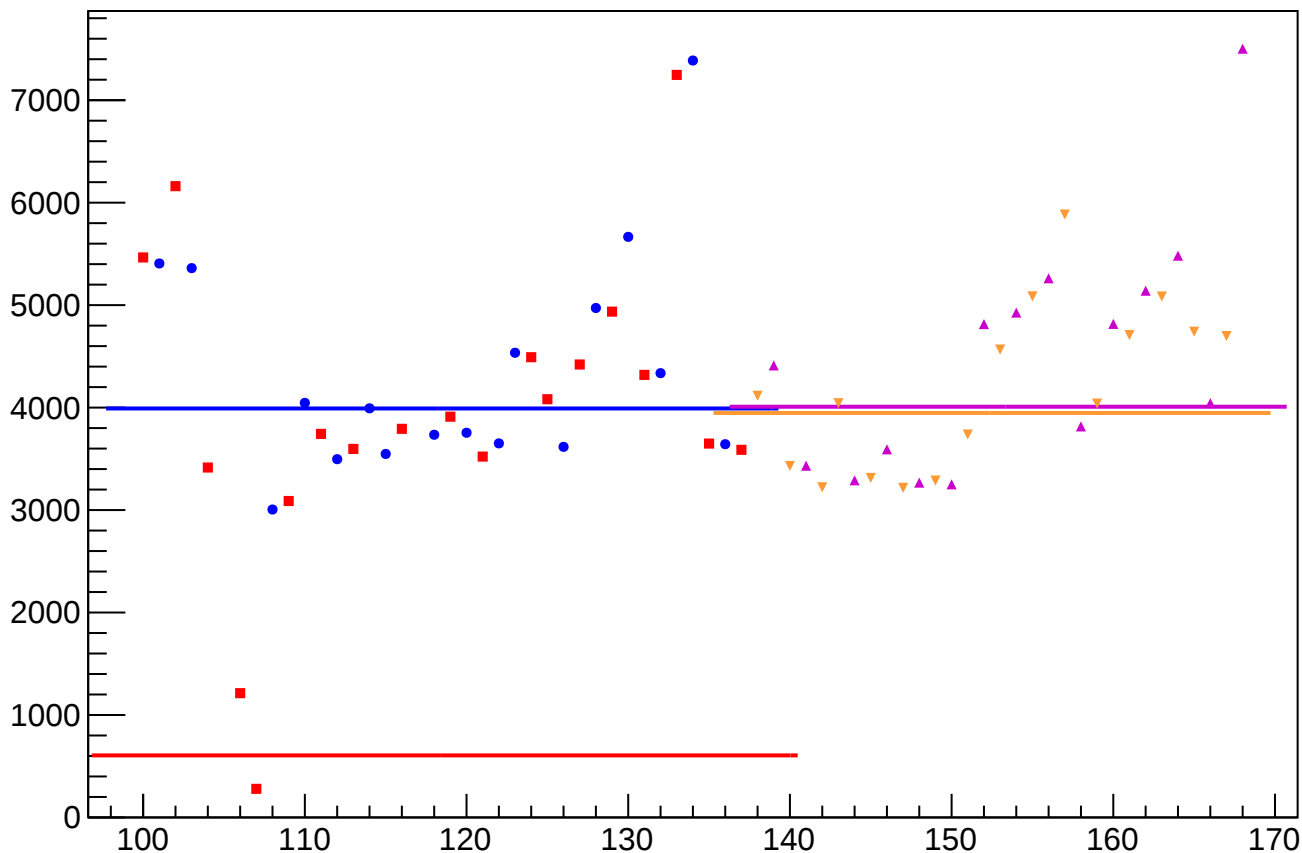
Left In: 1451.443+/-1202.028 χ^2/NDF : 10.0/14

+ sign 405.521+/-939.828 χ^2/NDF : 33.9/32

All: -129.092+/-386.835 χ^2/NDF : 64.6/66

- sign -238.138+/-424.458 χ^2/NDF : 30.3/33

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3947.659+/-0.826 χ^2/NDF : 752004.9/15

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

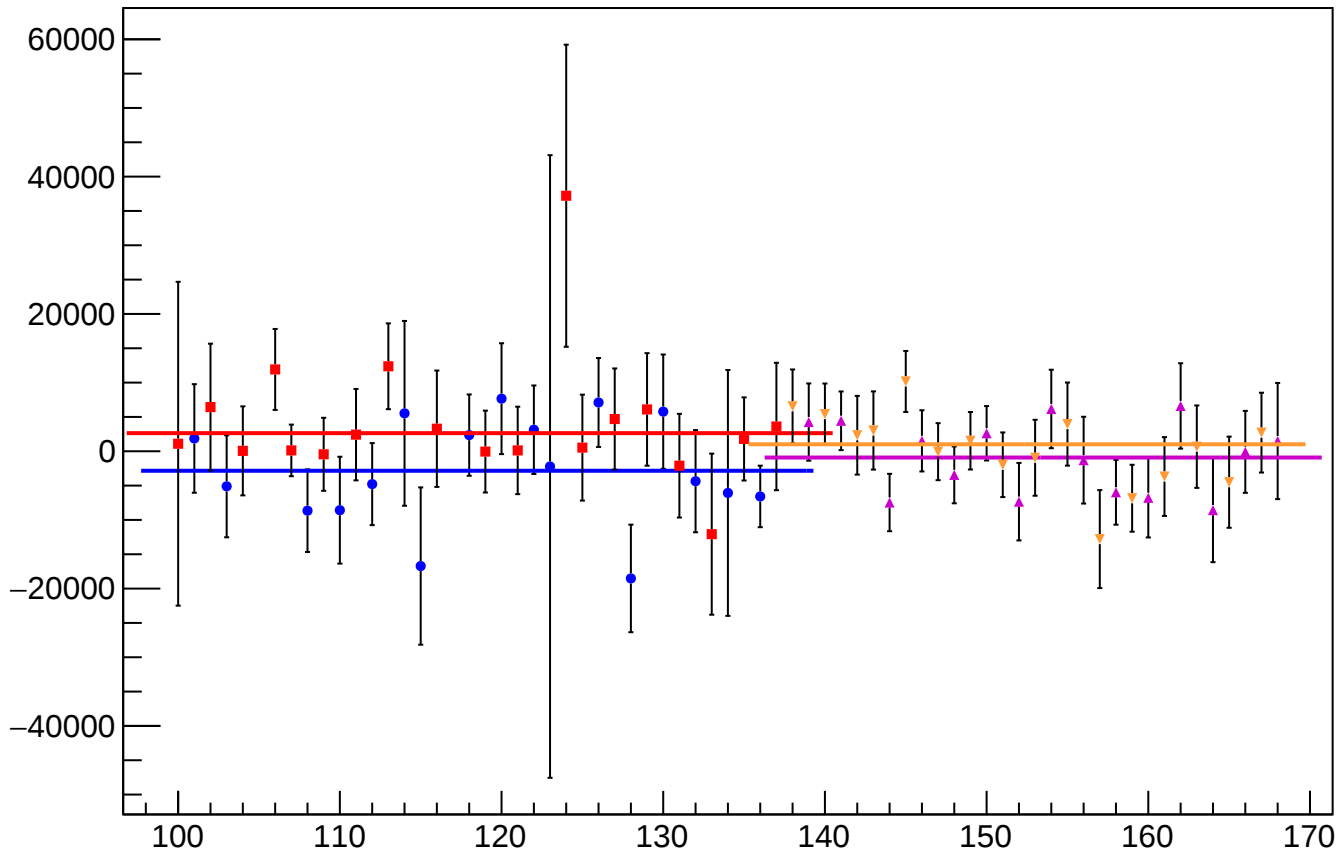
Left In: 4008.537+/-0.850 χ^2/NDF : 1098133.1/14

+ sign 3963.120+/-0.665 χ^2/NDF : 1263778.2/32

All: 1526.947+/-0.274 χ^2/NDF : 42817348.7/6

- sign 1030.035+/-0.300 χ^2/NDF : 25374027.7/33

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599 ± 1786.019 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 1015.662 ± 1302.235 $\chi^2/\text{NDF}: 15.1/15$

Right Out: 2637.071 ± 1575.105 $\chi^2/\text{NDF}: 11.2/18$

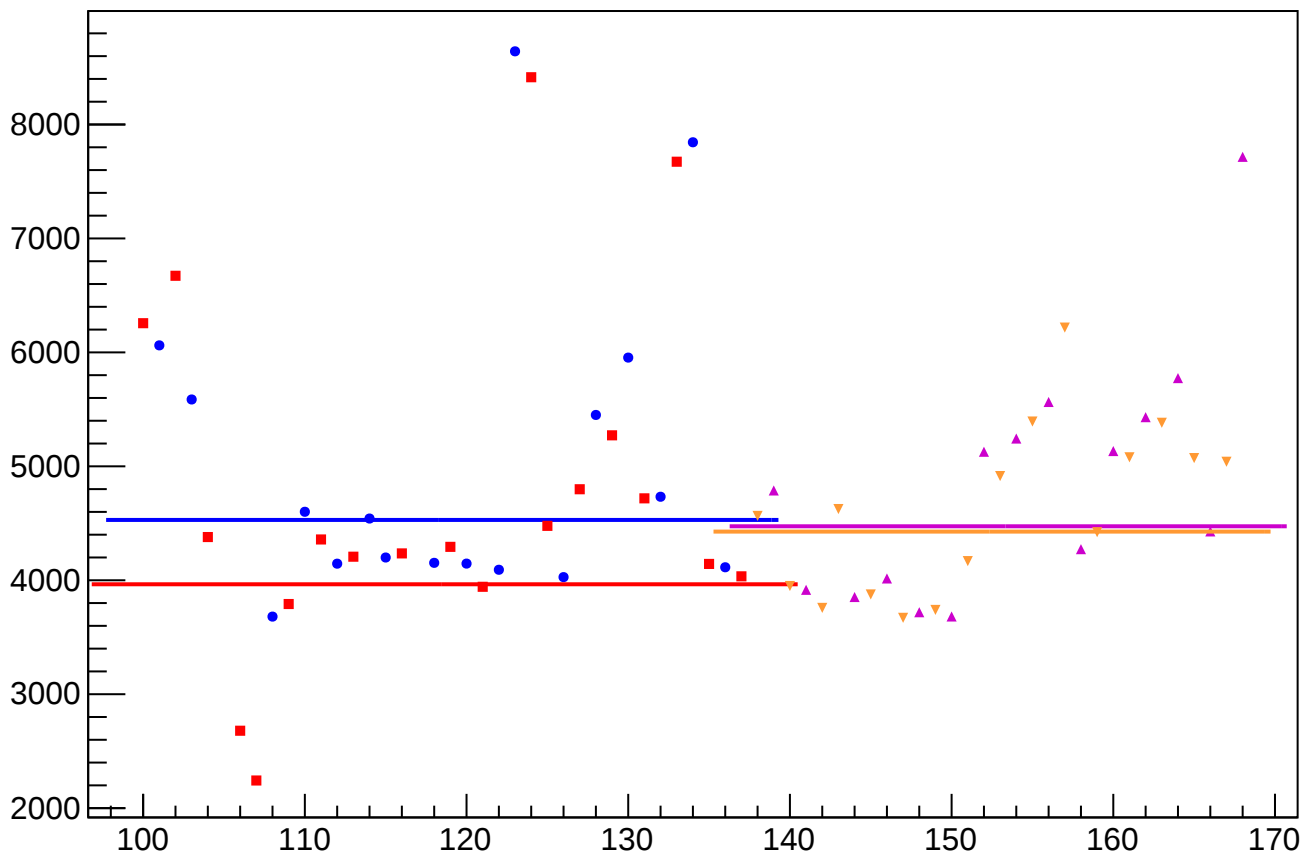
Left In: -912.149 ± 1332.341 $\chi^2/\text{NDF}: 13.9/14$

+ sign -322.497 ± 1052.236 $\chi^2/\text{NDF}: 33.6/32$

All: 137.894 ± 731.353 $\chi^2/\text{NDF}: 62.0/66$

- sign 568.163 ± 1017.231 $\chi^2/\text{NDF}: 28.1/33$

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462+/-1.263 χ^2/NDF : 389326.2/16

Left Out: 4427.153+/-0.921 χ^2/NDF : 521412.1/15

Right Out: 3964.829+/-1.107 χ^2/NDF : 1140409.6/18

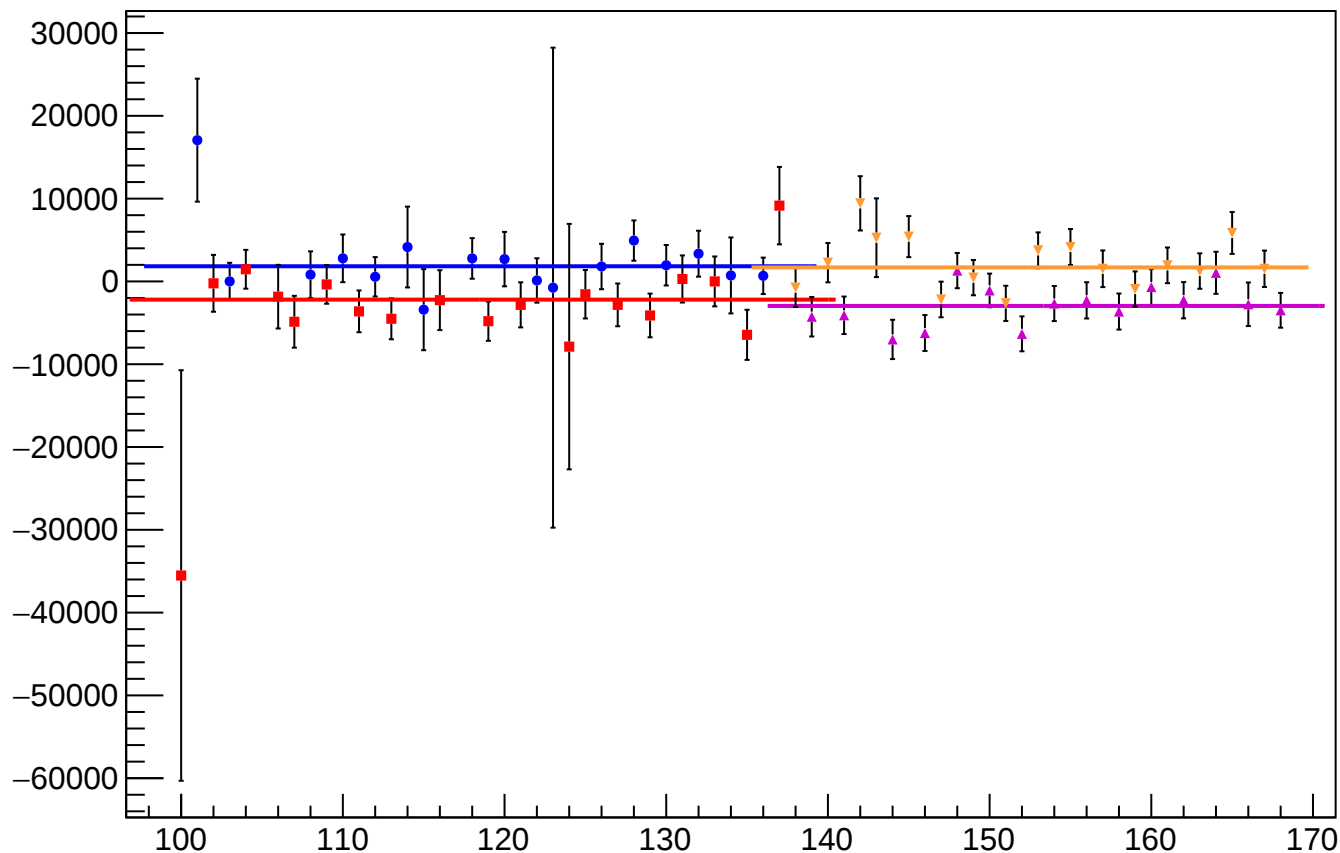
Left In: 4473.793+/-0.942 χ^2/NDF : 804551.9/14

+ sign 4462.664+/-0.744 χ^2/NDF : 915023.0/32

All: 4357.595+/-0.516 χ^2/NDF : 3021102.3/60

- sign 4259.926+/-0.717 χ^2/NDF : 2067601.0/33

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102 ± 711.335 χ^2/NDF : 9.7/16

Left Out: 1692.532 ± 580.820 χ^2/NDF : 23.7/15

Right Out: -2198.063 ± 684.205 χ^2/NDF : 18.3/18

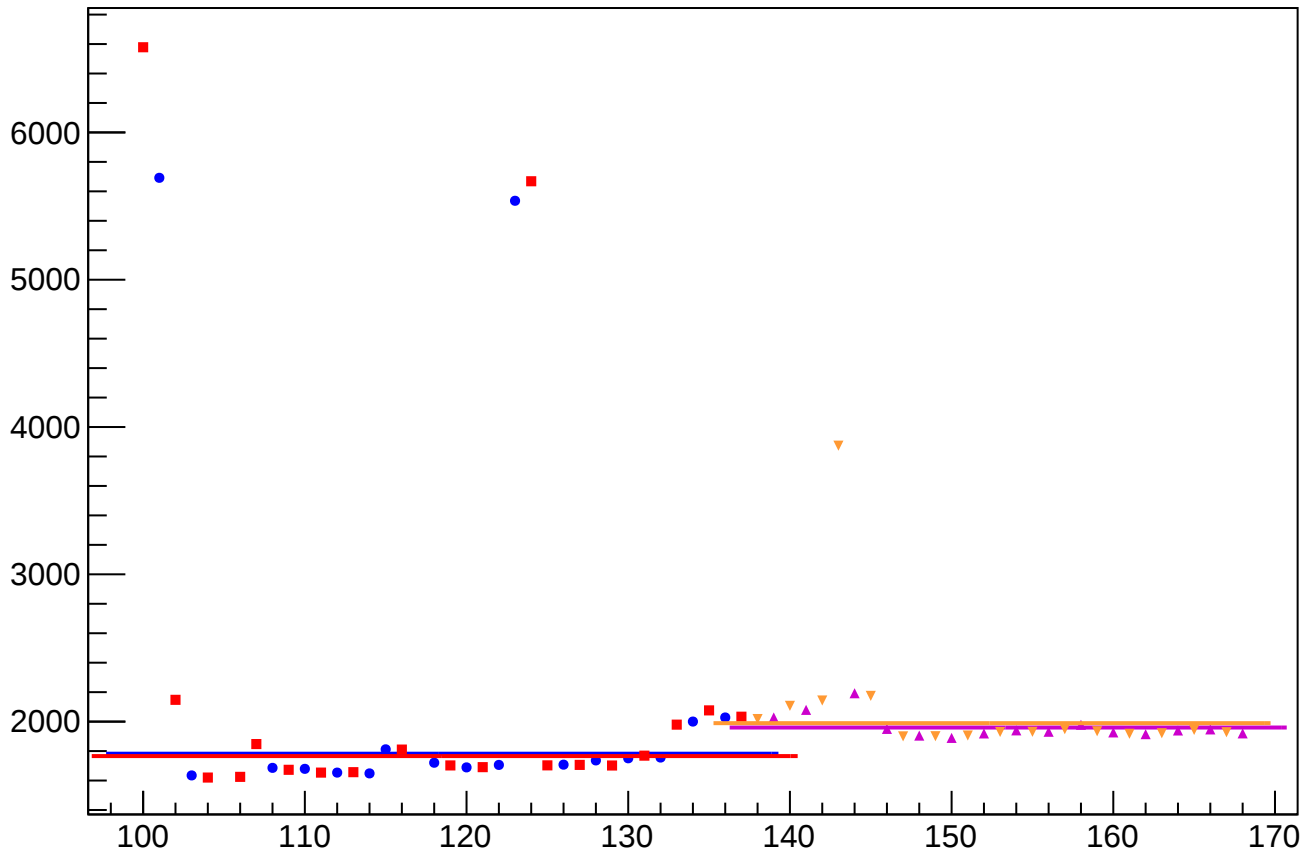
Left In: -2960.529 ± 573.536 χ^2/NDF : 17.1/14

+ sign 1747.562 ± 449.896 χ^2/NDF : 33.4/32

All: -500.313 ± 314.398 χ^2/NDF : 118.4/66

- sign -2645.870 ± 439.537 χ^2/NDF : 36.2/33

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 1989.510+/-0.411 χ^2/NDF : 356532.7/15

Right Out: 1765.967+/-0.480 χ^2/NDF : 306798.2/18

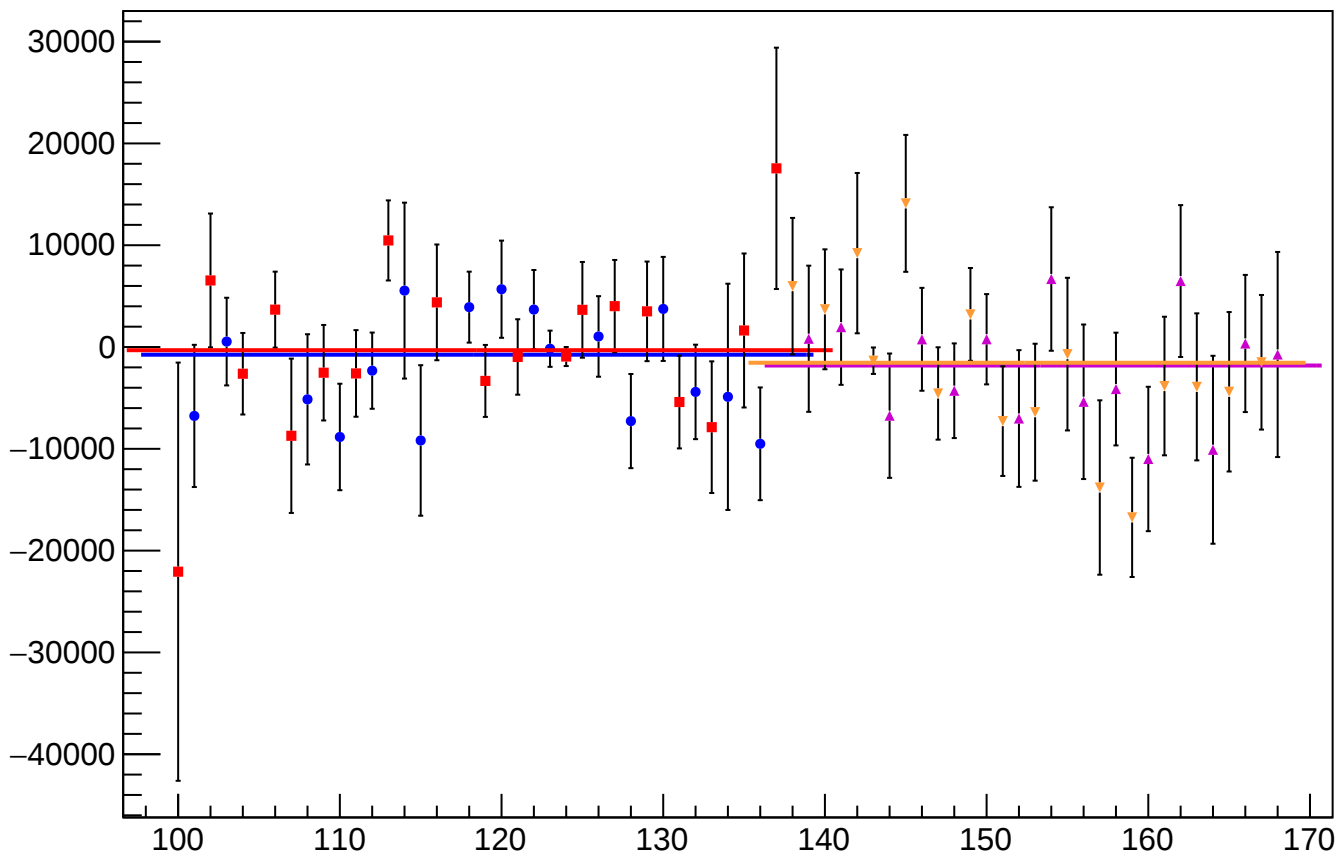
Left In: 1959.839+/-0.406 χ^2/NDF : 33836.5/14

+ sign 1906.558+/-0.318 χ^2/NDF : 1103704.3/32

All: 1892.513+/-0.222 χ^2/NDF : 1543210.1/60

- sign 1879.185+/-0.310 χ^2/NDF : 435707.2/33

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428 ± 1008.523 $\chi^2/\text{NDF}: 16.9/16$

Left Out: -1545.111 ± 1012.362 $\chi^2/\text{NDF}: 21.7/15$

Right Out: -311.405 ± 725.132 $\chi^2/\text{NDF}: 22.0/18$

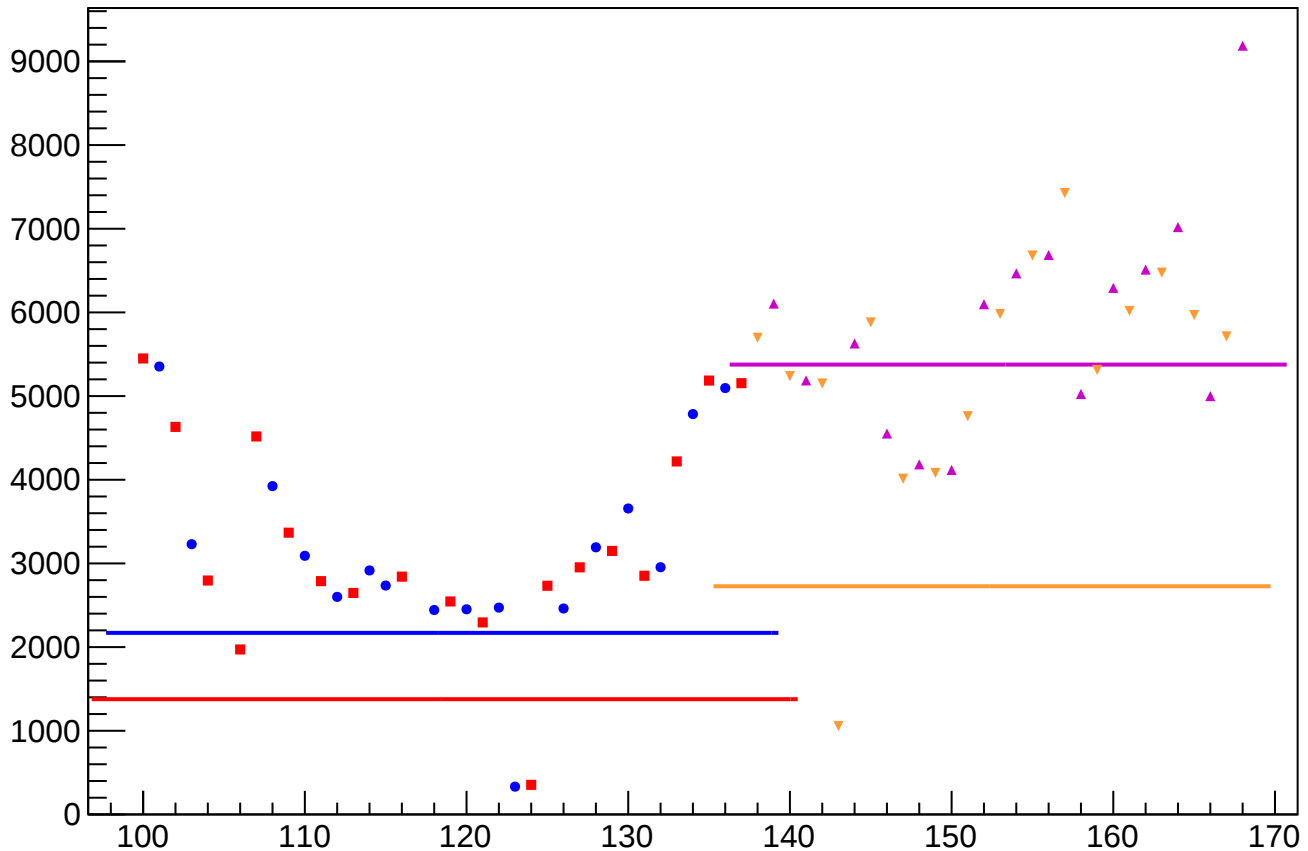
Left In: -1815.948 ± 1606.705 $\chi^2/\text{NDF}: 8.4/14$

+ sign -1147.765 ± 714.487 $\chi^2/\text{NDF}: 38.9/32$

All: -834.268 ± 485.181 $\chi^2/\text{NDF}: 70.4/66$

- sign -566.002 ± 660.937 $\chi^2/\text{NDF}: 31.1/33$

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2727.140+/-0.716 χ^2/NDF : 9091527.3/15

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

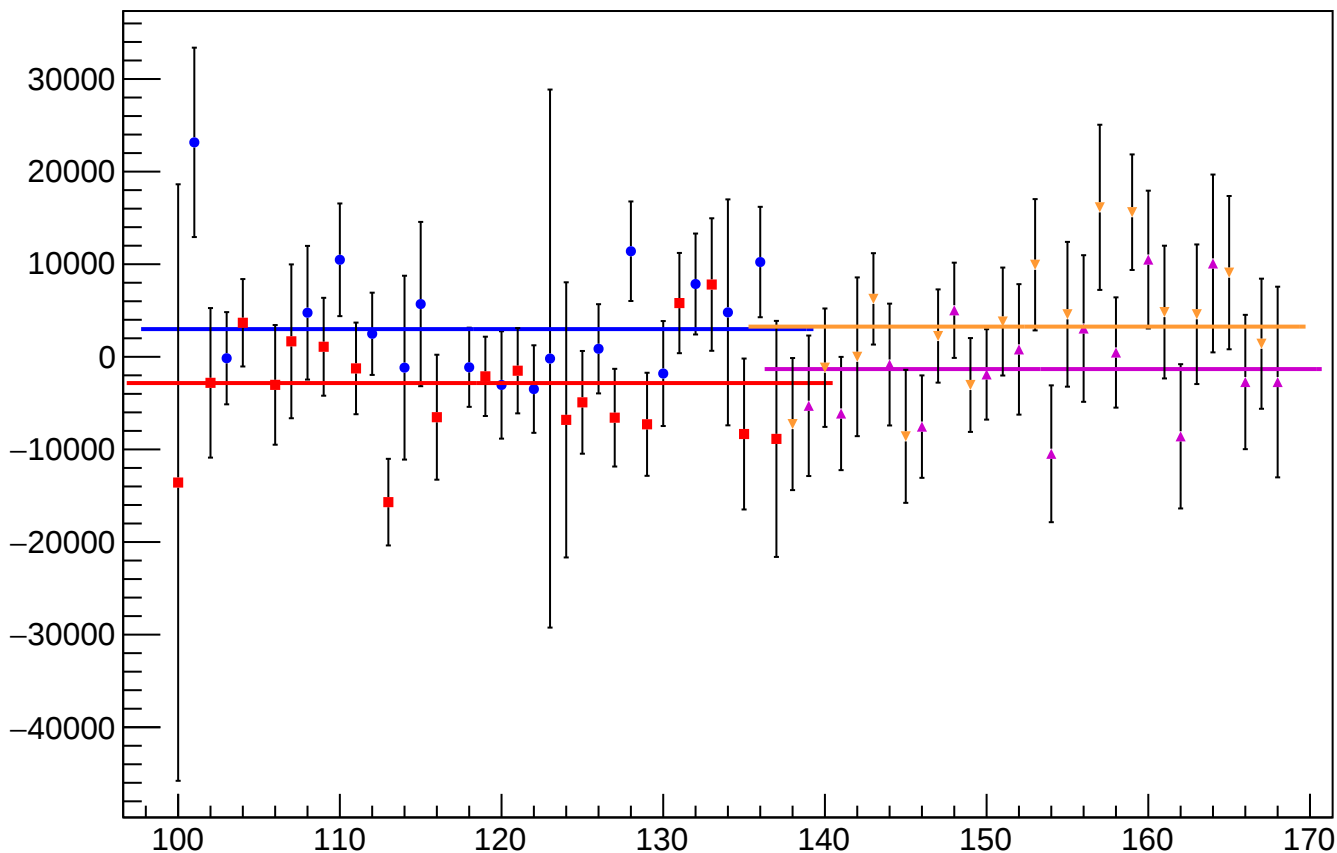
Left In: 5376.344+/-1.136 χ^2/NDF : 946276.8/14

+ sign 2447.633+/-0.505 χ^2/NDF : 13369010.1/32

All: 2235.708+/-0.343 χ^2/NDF : 31780322.4/6

- sign 2054.359+/-0.467 χ^2/NDF : 18084784.9/33

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 3261.247 $\pm$ 1638.525 χ^2 /NDF:15.1/15

Right Out: -2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

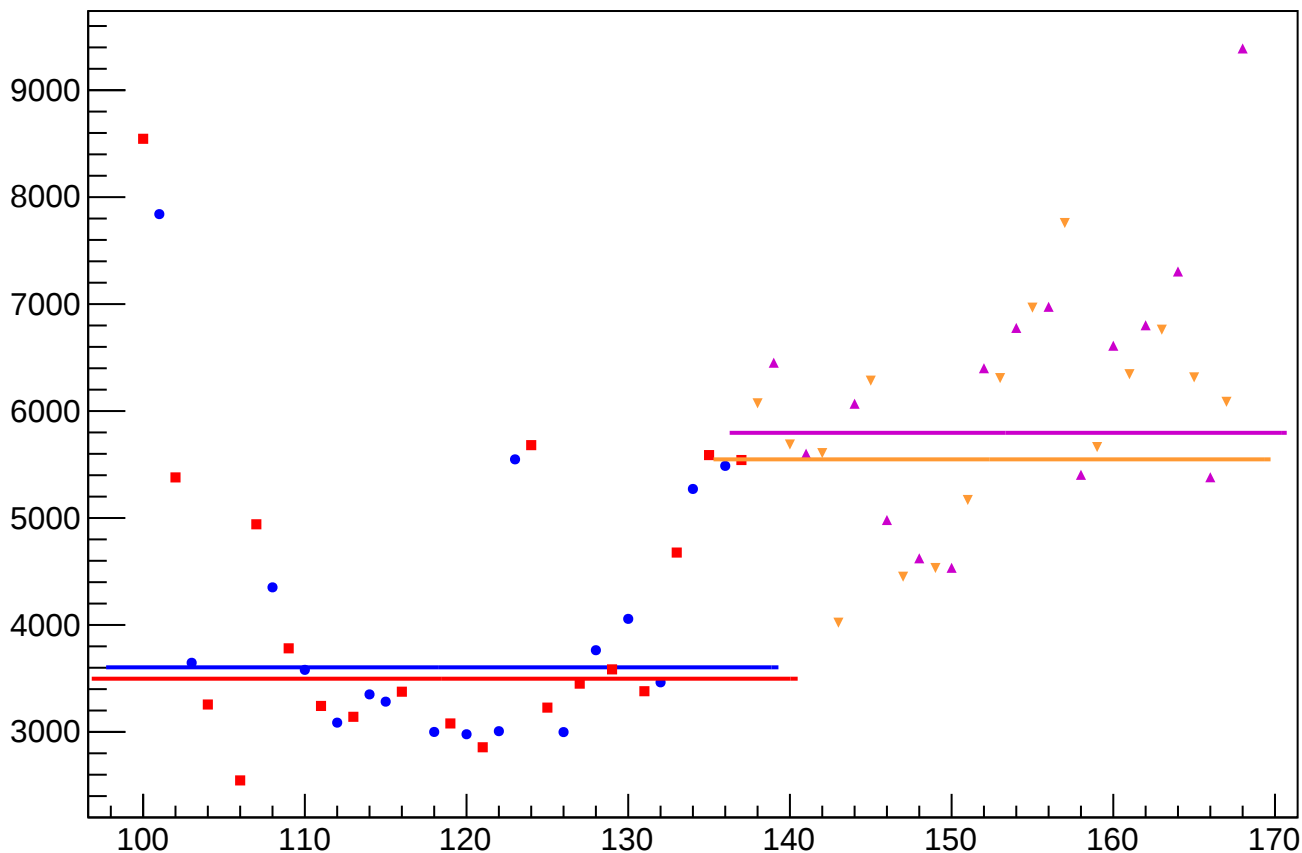
Left In: -1322.898 $\pm$ 1724.675 χ^2 /NDF:10.6/14

+ sign 3110.447 $\pm$ 1084.696 χ^2 /NDF: 30.8/32

All: 414.264 $\pm$ 764.295 χ^2 /NDF: 71.8/66

- sign -2244.269 $\pm$ 1077.096 χ^2 /NDF: 28.8/33

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 χ^2/NDF : 784674.5/16

Left Out: 5548.365 ± 1.159 χ^2/NDF : 725859.2/15

Right Out: 3497.586 ± 0.962 χ^2/NDF : 661898.6/18

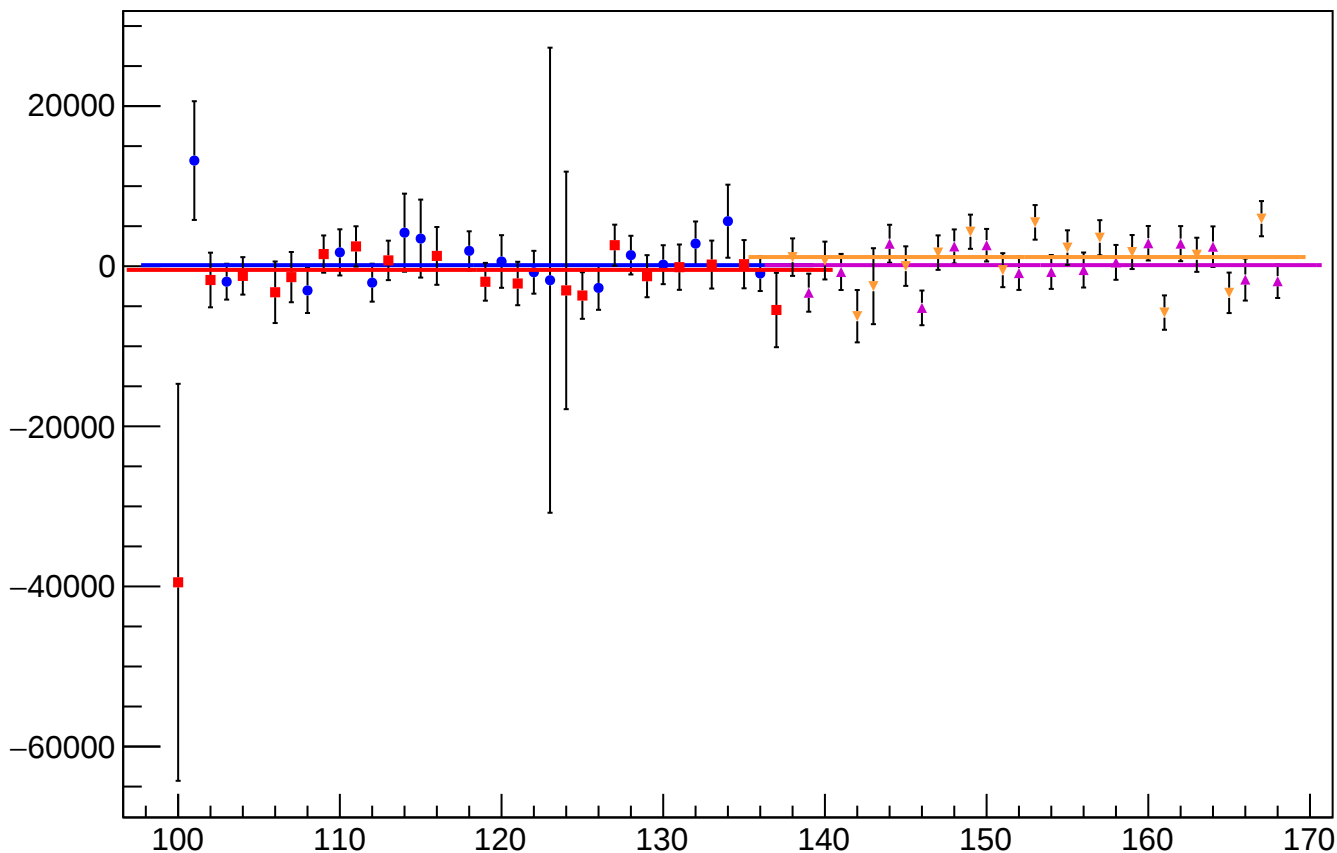
Left In: 5796.464 ± 1.220 χ^2/NDF : 761486.8/14

+ sign 4456.049 ± 0.767 χ^2/NDF : 3092749.4/32

All: 4416.897 ± 0.538 χ^2/NDF : 6712350.7/60

- sign 4378.949 ± 0.755 χ^2/NDF : 3614470.2/33

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1145.162 $\pm$ 579.466 χ^2 /NDF:32.8/15

Right Out: -459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

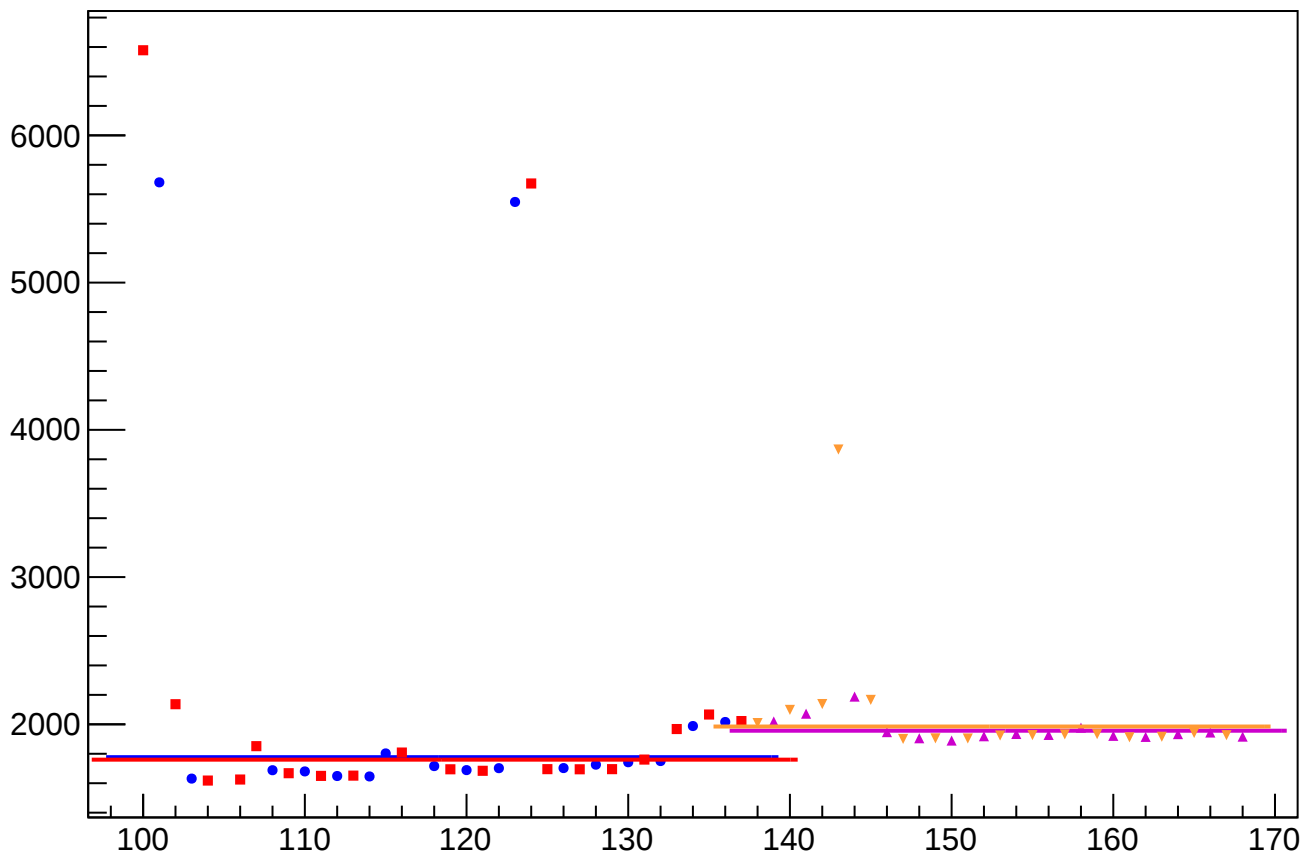
Left In: 135.805 $\pm$ 572.558 χ^2 /NDF:18.1/14

+ sign 739.125 $\pm$ 448.728 χ^2 /NDF: 46.1/32

All: 304.653 $\pm$ 313.609 χ^2 /NDF: 77.3/66

- sign -110.183 $\pm$ 438.470 χ^2 /NDF: 29.3/33

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 1985.012+/-0.410 χ^2/NDF : 355043.7/15

Right Out: 1759.990+/-0.479 χ^2/NDF : 306154.6/18

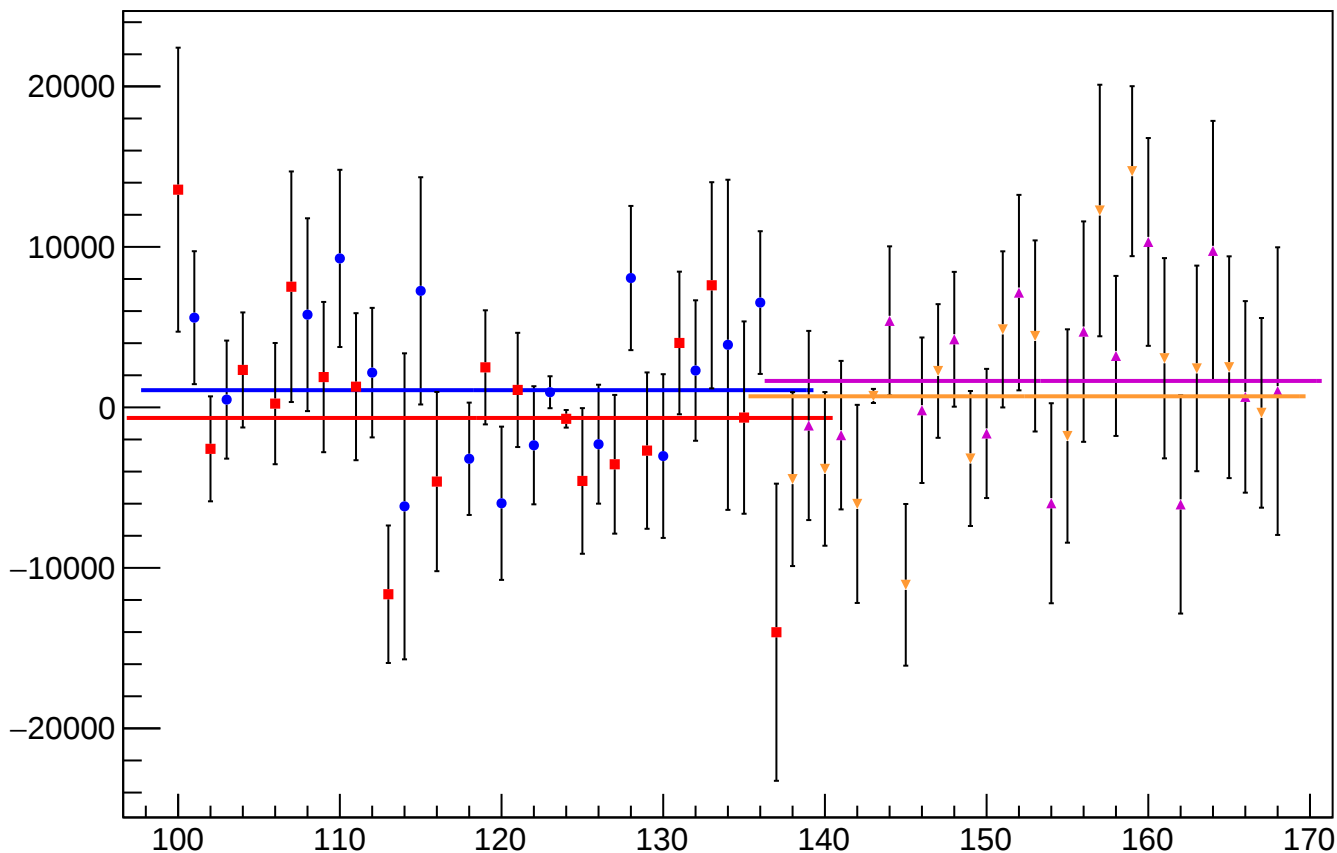
Left In: 1956.566+/-0.405 χ^2/NDF : 32746.9/14

+ sign 1901.690+/-0.317 χ^2/NDF : 1101915.1/32

All: 1887.805+/-0.221 χ^2/NDF : 1542821.1/66

- sign 1874.623+/-0.309 χ^2/NDF : 437173.4/33

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194 $\pm$ 752.280 χ^2 /NDF: 15.6/16

Left Out: 690.318 $\pm$ 419.098 χ^2 /NDF: 20.2/15

Right Out: -658.759 $\pm$ 488.034 χ^2 /NDF: 19.8/18

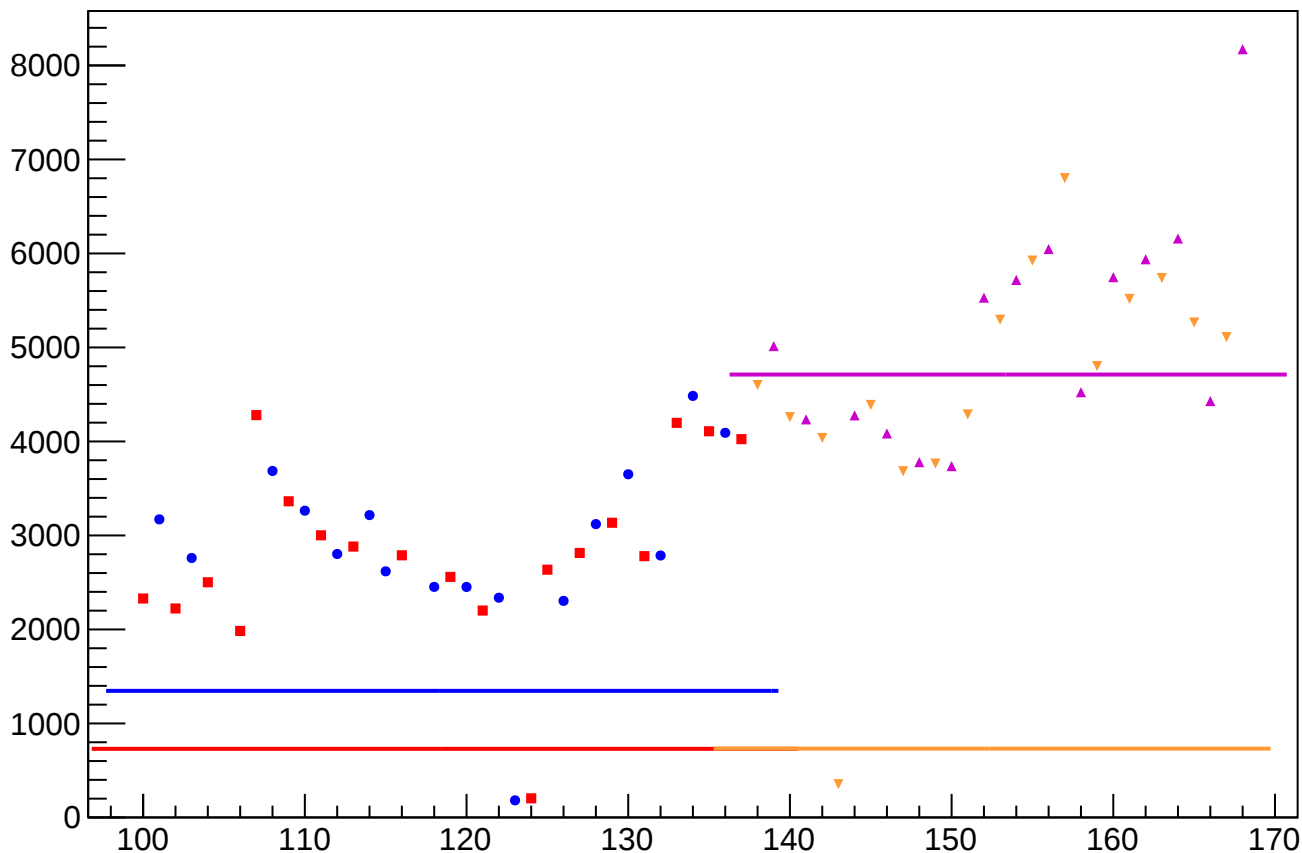
Left In: 1648.142 $\pm$ 1408.059 χ^2 /NDF: 9.3/14

+ sign 780.767 $\pm$ 366.117 χ^2 /NDF: 36.0/32

All: 319.836 $\pm$ 286.731 χ^2 /NDF: 71.6/66

- sign -411.349 $\pm$ 461.121 χ^2 /NDF: 31.5/33

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 732.234+/-0.296 χ^2/NDF : 17461811.9/15

Right Out: 730.119+/-0.345 χ^2/NDF : 9503127.2/18

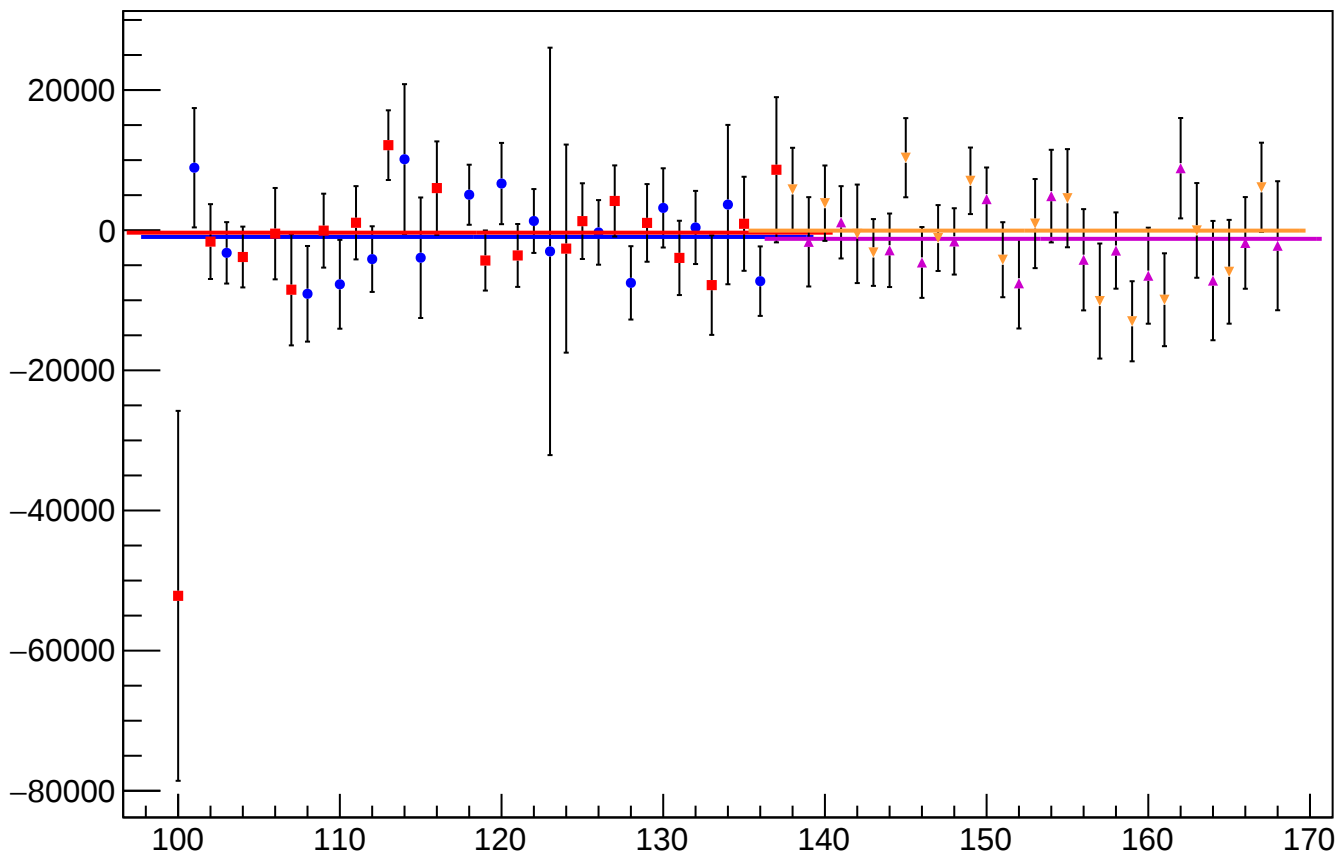
Left In: 4711.816+/-0.996 χ^2/NDF : 947519.4/14

+ sign 877.805+/-0.259 χ^2/NDF : 25319672.1/32

All: 985.813+/-0.203 χ^2/NDF : 50498106.8/60

- sign 1157.148+/-0.326 χ^2/NDF : 24728256.8/33

asym_atr1l2_dd_mean vs Slug



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: -61.497 ± 1472.622 χ^2/NDF : 19.1/15

Right Out: -354.646 ± 1329.760 χ^2/NDF : 17.6/18

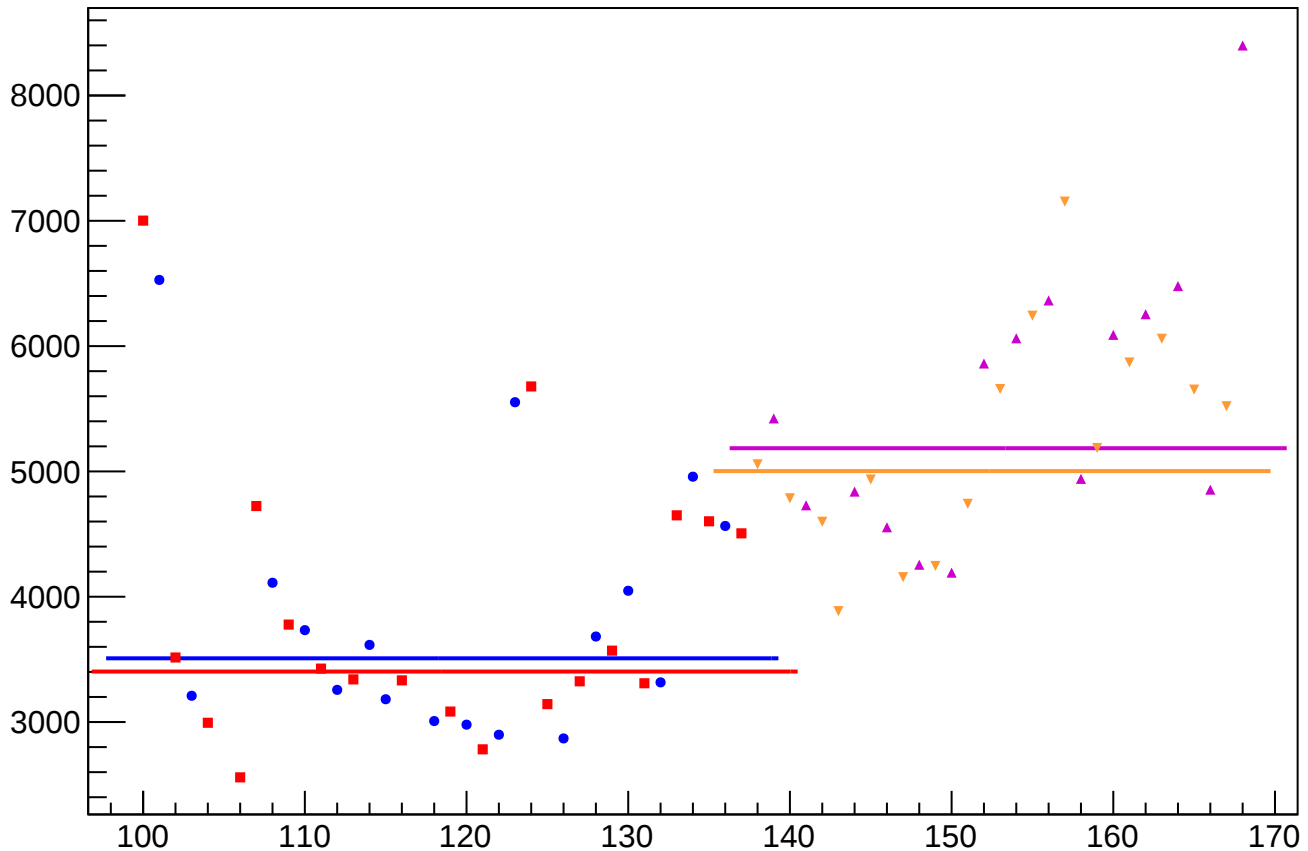
Left In: -1234.267 ± 1541.236 χ^2/NDF : 7.5/14

+ sign -537.038 ± 1012.983 χ^2/NDF : 33.0/32

All: -634.115 ± 714.097 χ^2/NDF : 58.4/66

- sign -730.014 ± 1006.816 χ^2/NDF : 25.3/33

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483 $\pm$ 0.987 χ^2 /NDF: 562197.7/16

Left Out: 5002.736 $\pm$ 1.041 χ^2 /NDF: 575684.0/15

Right Out: 3402.883 $\pm$ 0.928 χ^2 /NDF: 428556.1/18

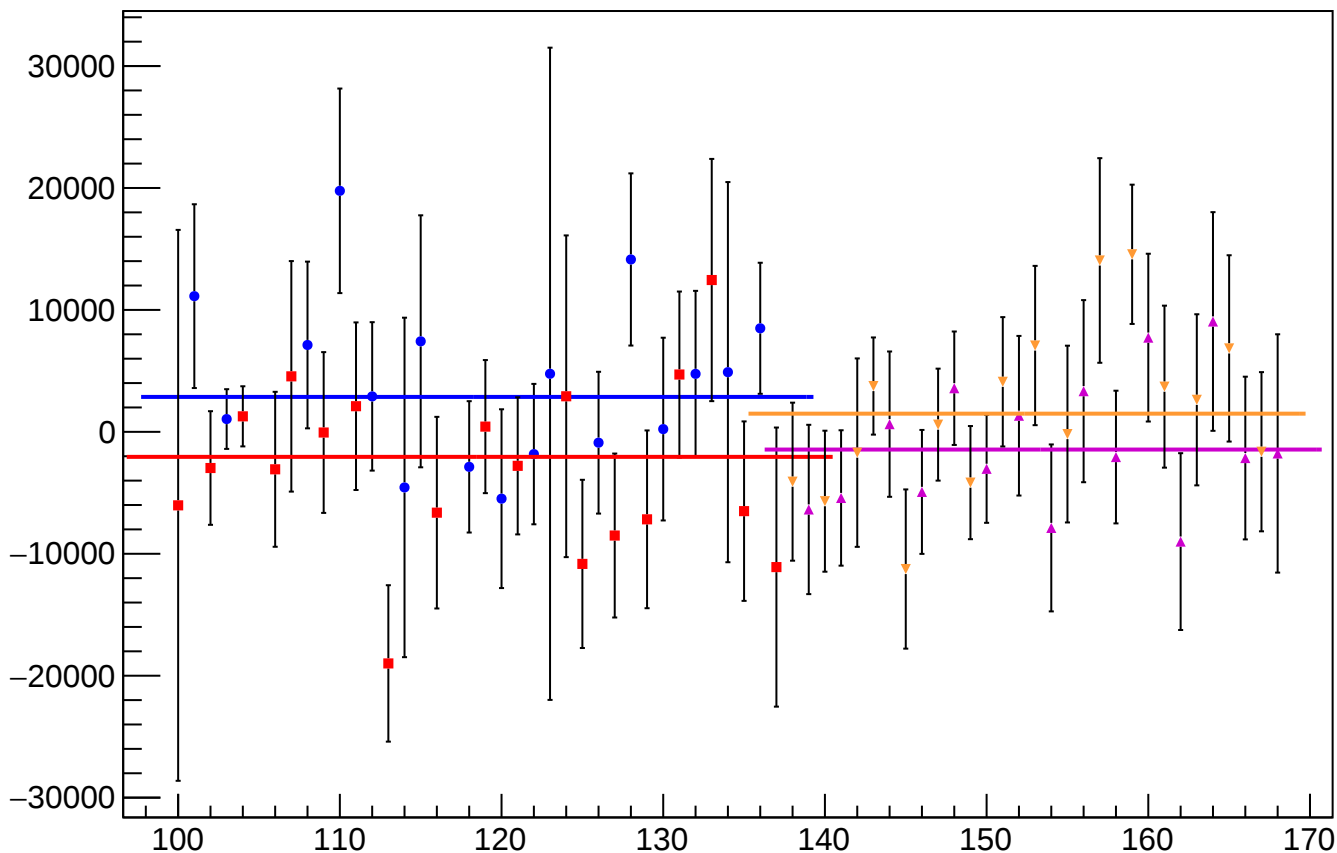
Left In: 5185.255 $\pm$ 1.090 χ^2 /NDF: 721261.9/14

+ sign 4215.522 $\pm$ 0.716 χ^2 /NDF: 2222717.7/32

All: 4183.405 $\pm$ 0.503 χ^2 /NDF: 4926869.2/60

- sign 4152.150 $\pm$ 0.707 χ^2 /NDF: 2700184.5/33

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 1491.827+/-1478.849 χ^2/NDF : 17.5/15

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

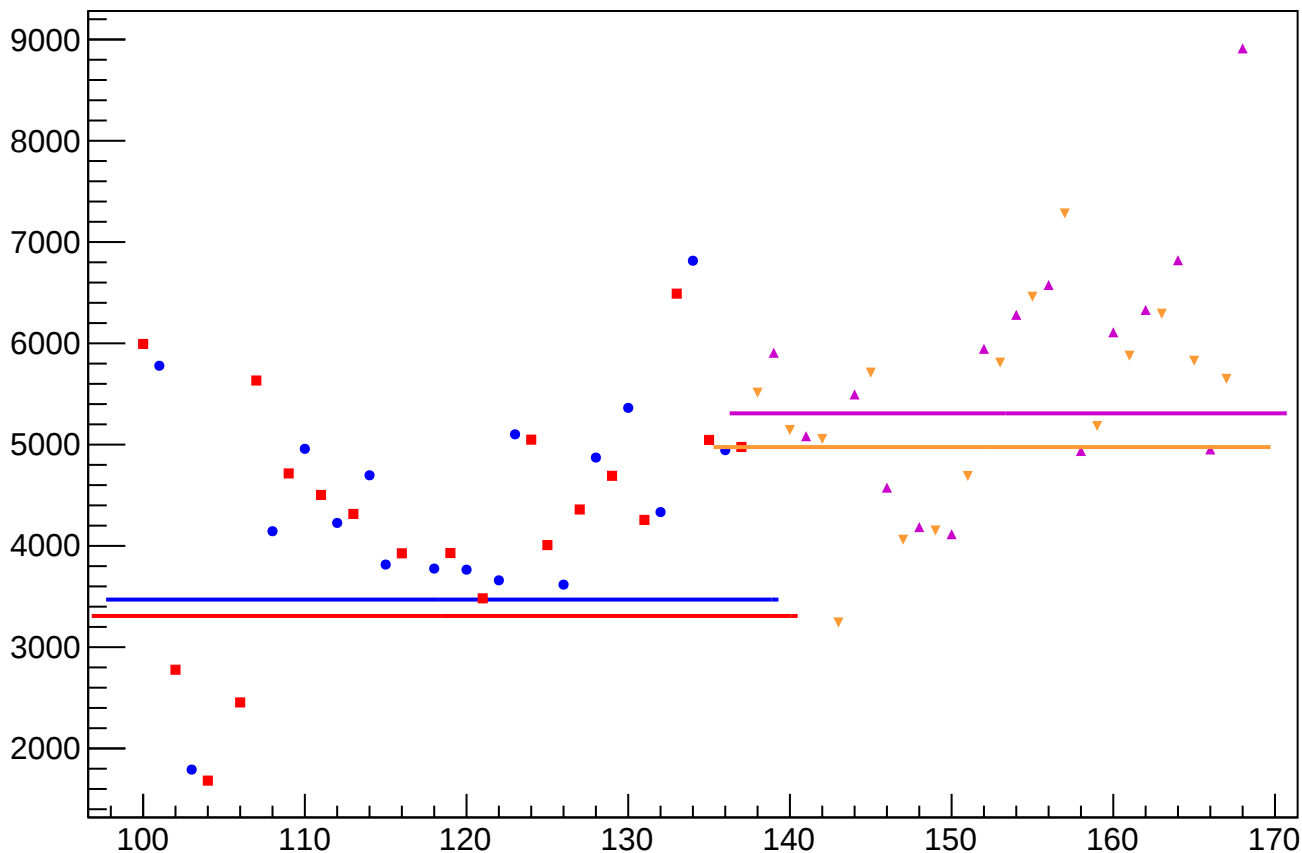
Left In: -1451.946+/-1582.917 χ^2/NDF : 8.6/14

+ sign 2190.564+/-1036.320 χ^2/NDF : 32.0/32

All: 207.967+/-734.394 χ^2/NDF : 65.7/66

- sign -1792.092+/-1040.874 χ^2/NDF : 26.4/33

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 4975.678 $\pm$ 1.046 χ^2 /NDF: 990638.7/15

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

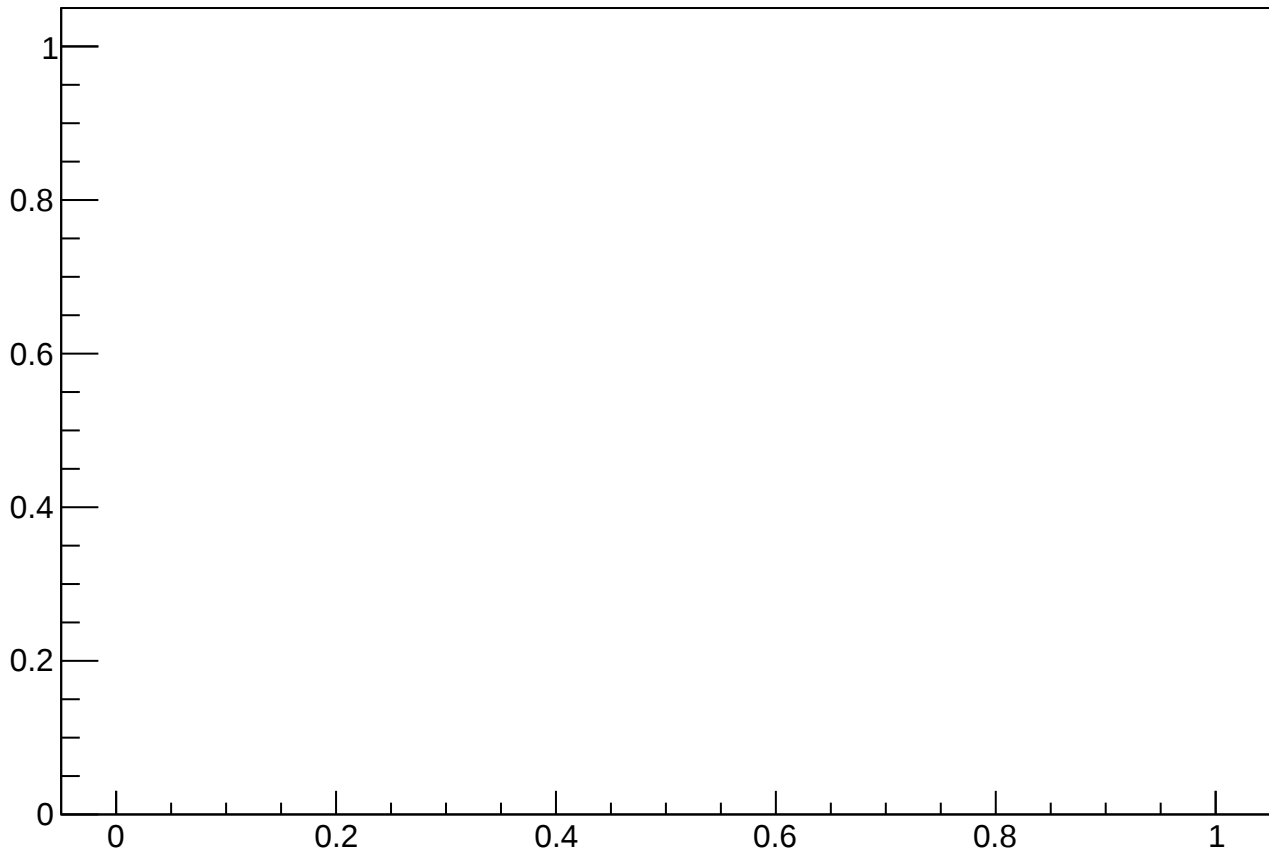
Left In: 5308.762 $\pm$ 1.119 χ^2 /NDF: 850781.2/14

+ sign 4209.390 $\pm$ 0.732 χ^2 /NDF: 3806598.9/32

All: 4186.804 $\pm$ 0.518 χ^2 /NDF: 8397633.5/60

- sign 4164.255 $\pm$ 0.732 χ^2 /NDF: 4589136.0/33

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

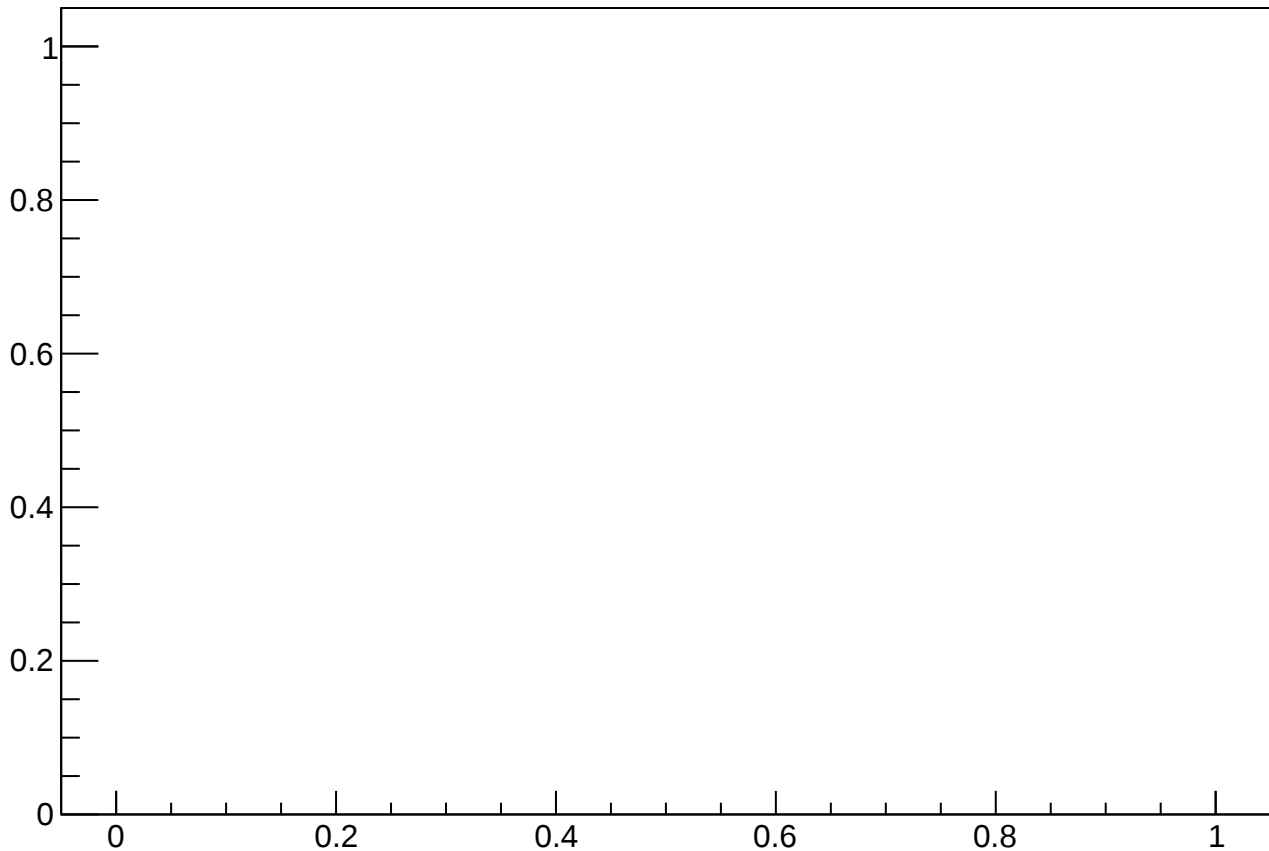
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

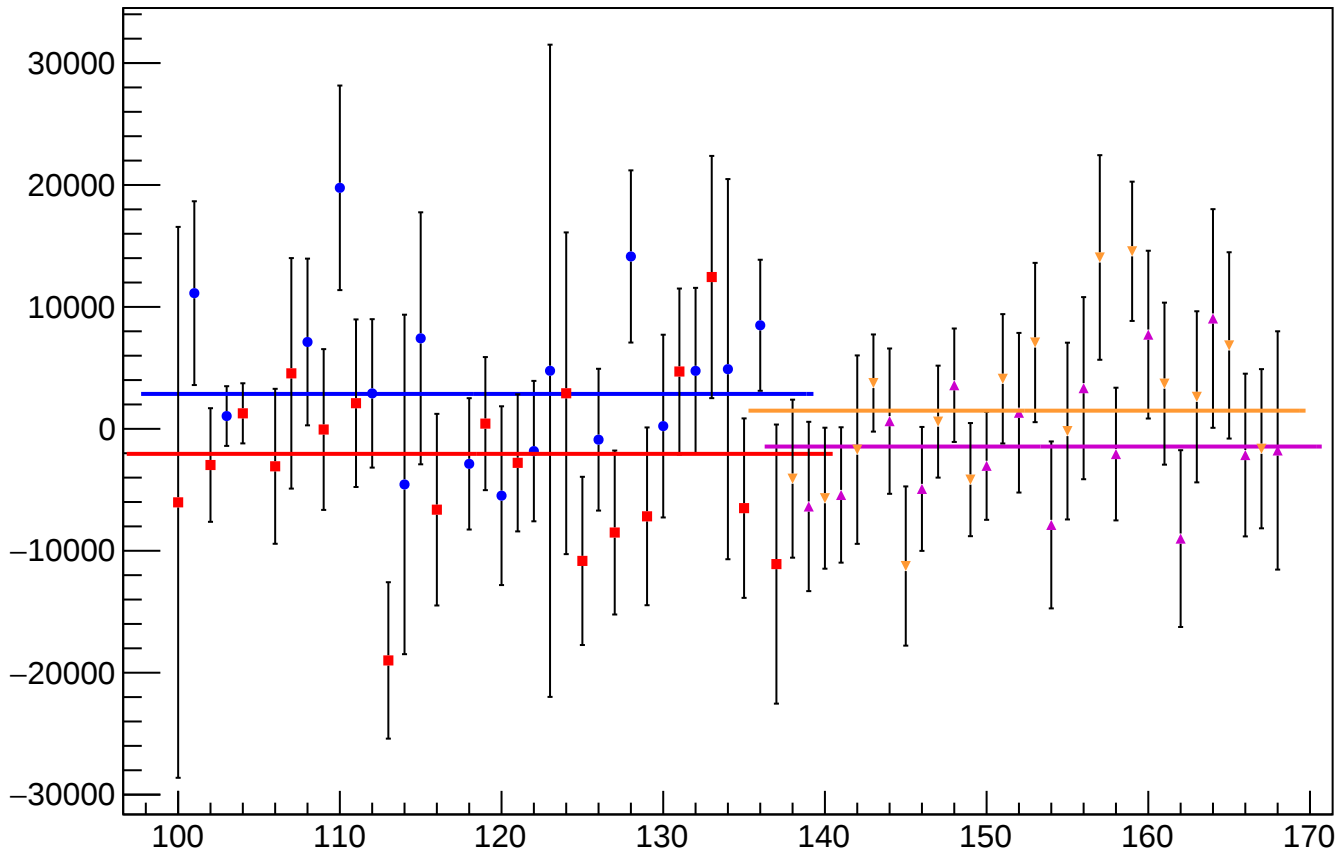
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ 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: 1491.827+/-1478.849 χ^2/NDF : 17.5/15

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

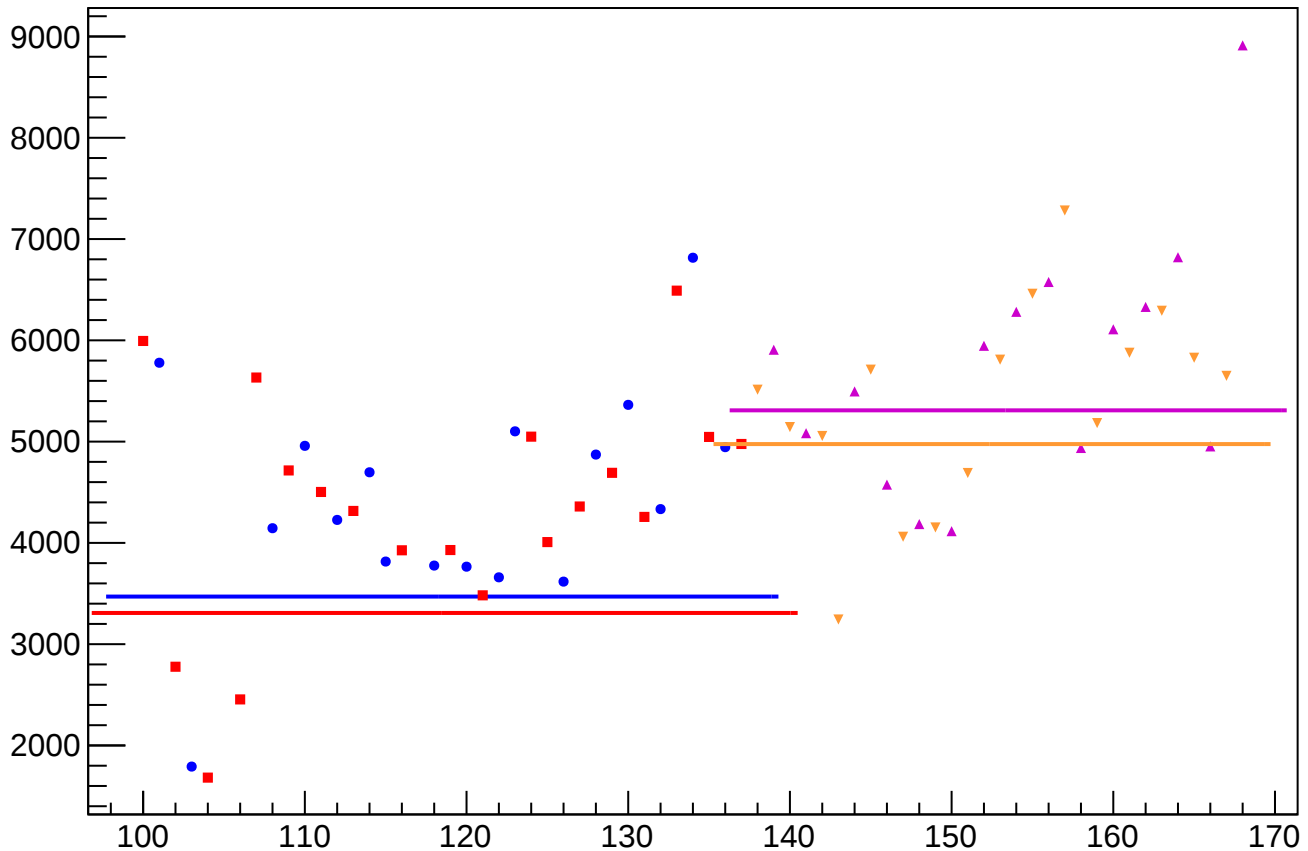
Left In: -1451.946+/-1582.917 χ^2/NDF : 8.6/14

+ sign 2190.564+/-1036.320 χ^2/NDF : 32.0/32

All: 207.967+/-734.394 χ^2/NDF : 65.7/66

- sign -1792.092+/-1040.874 χ^2/NDF : 26.4/33

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 4975.678 $\pm$ 1.046 χ^2 /NDF:990638.7/15

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

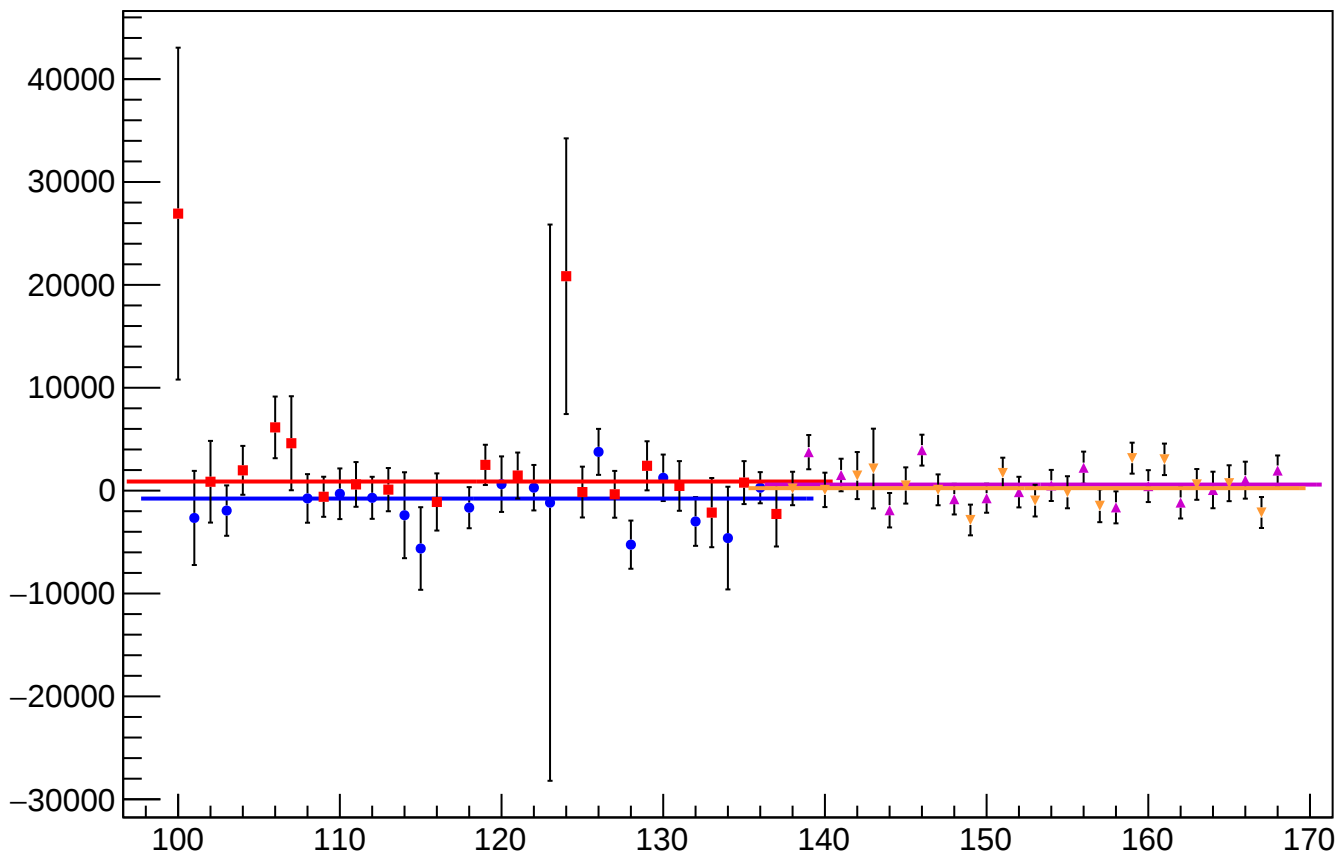
Left In: 5308.762 $\pm$ 1.119 χ^2 /NDF:850781.2/14

+ sign 4209.390 $\pm$ 0.732 χ^2 /NDF: 3806598.9/32

All: 4186.804 $\pm$ 0.518 χ^2 /NDF: 8397633.5/60

- sign 4164.255 $\pm$ 0.732 χ^2 /NDF: 4589136.0/33

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 238.896+/-409.199 χ^2/NDF : 17.4/15

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

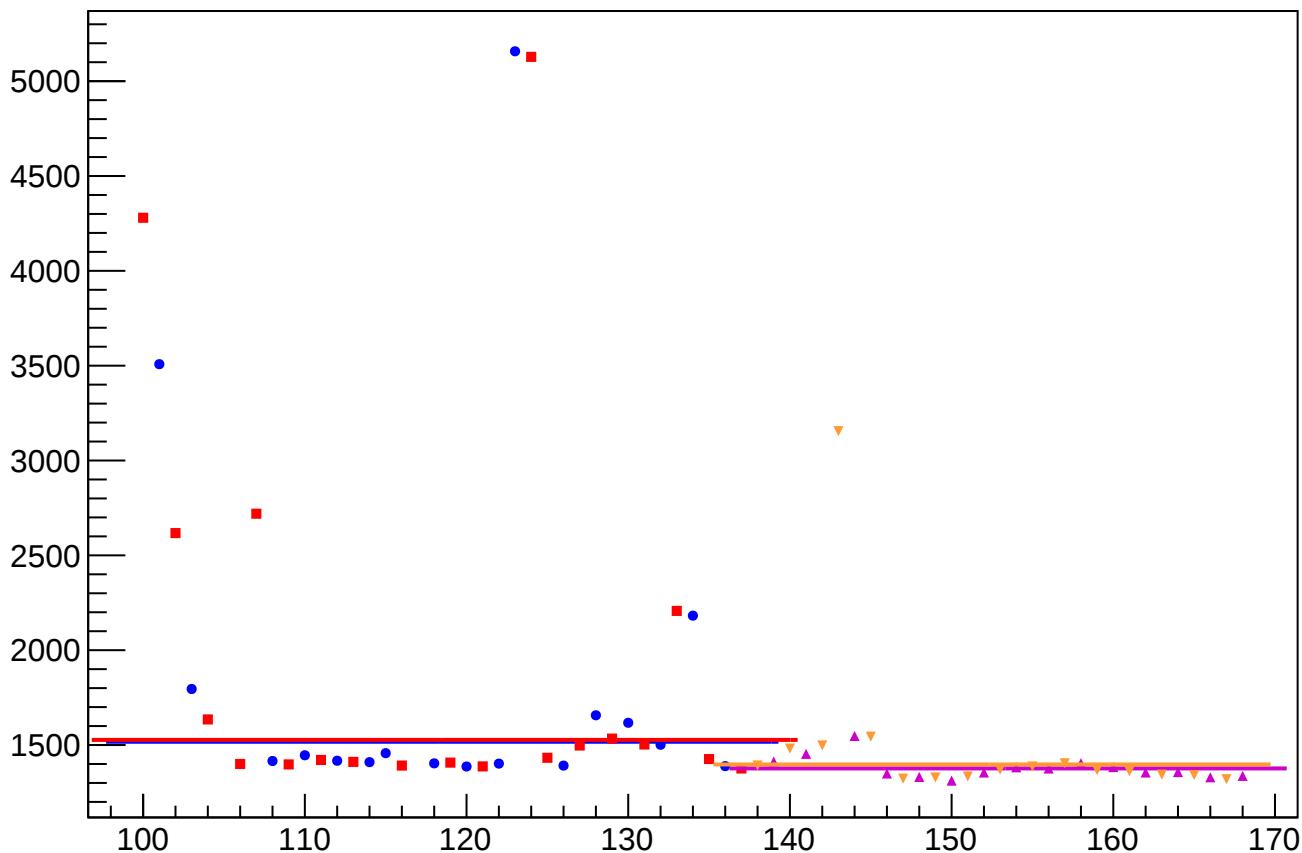
Left In: 589.213+/-403.181 χ^2/NDF : 18.6/14

+ sign -79.080+/-338.719 χ^2/NDF : 32.6/32

All: 307.213+/-237.745 χ^2/NDF : 67.4/66

- sign 682.324+/-333.780 χ^2/NDF : 32.2/33

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334 ± 0.427 $\chi^2/\text{NDF}: 536662.7/16$

Left Out: 1397.442 ± 0.289 $\chi^2/\text{NDF}: 459311.1/15$

Right Out: 1527.005 ± 0.421 $\chi^2/\text{NDF}: 631684.2/18$

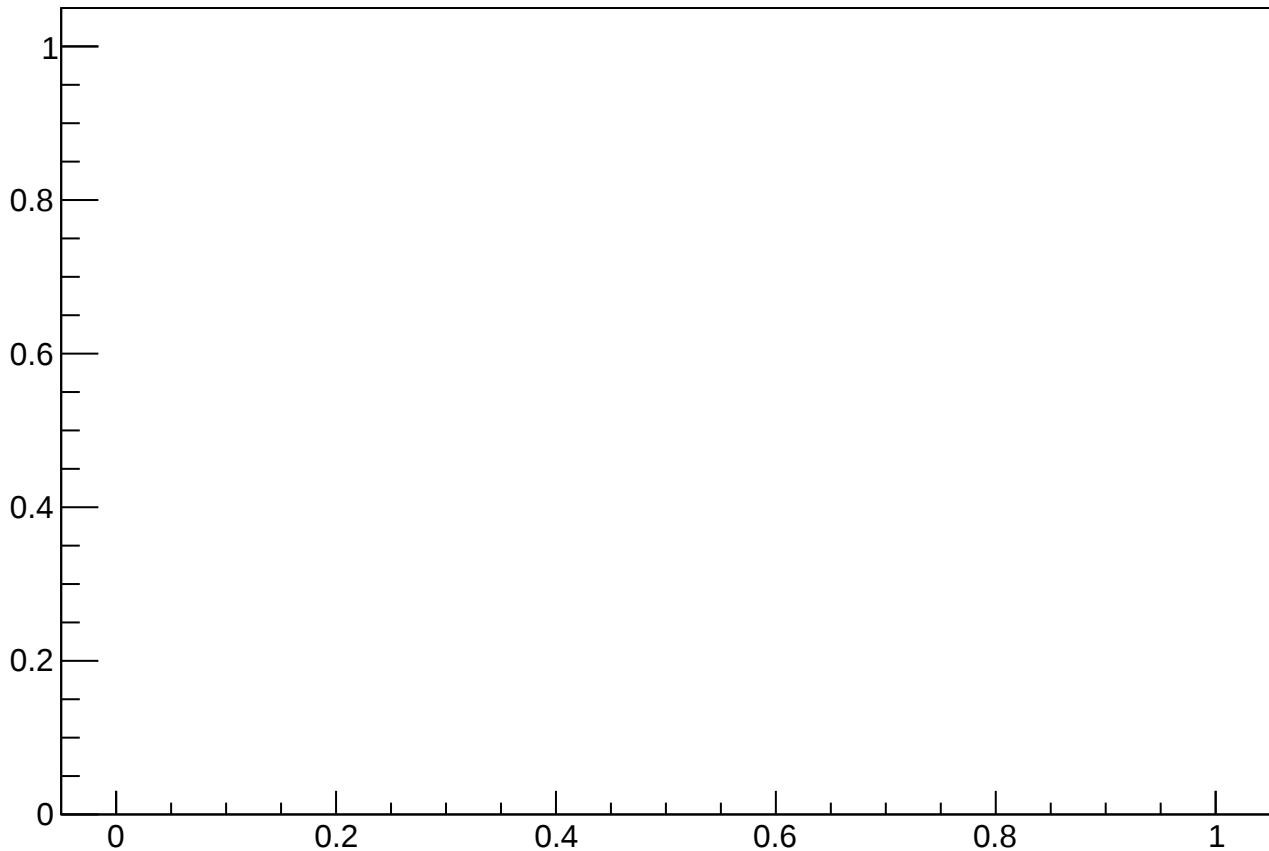
Left In: 1376.561 ± 0.285 $\chi^2/\text{NDF}: 37675.2/14$

+ sign 1435.186 ± 0.240 $\chi^2/\text{NDF}: 1050023.9/32$

All: 1429.458 ± 0.168 $\chi^2/\text{NDF}: 1808128.1/60$

- sign 1423.897 ± 0.236 $\chi^2/\text{NDF}: 756977.1/33$

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



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

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

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

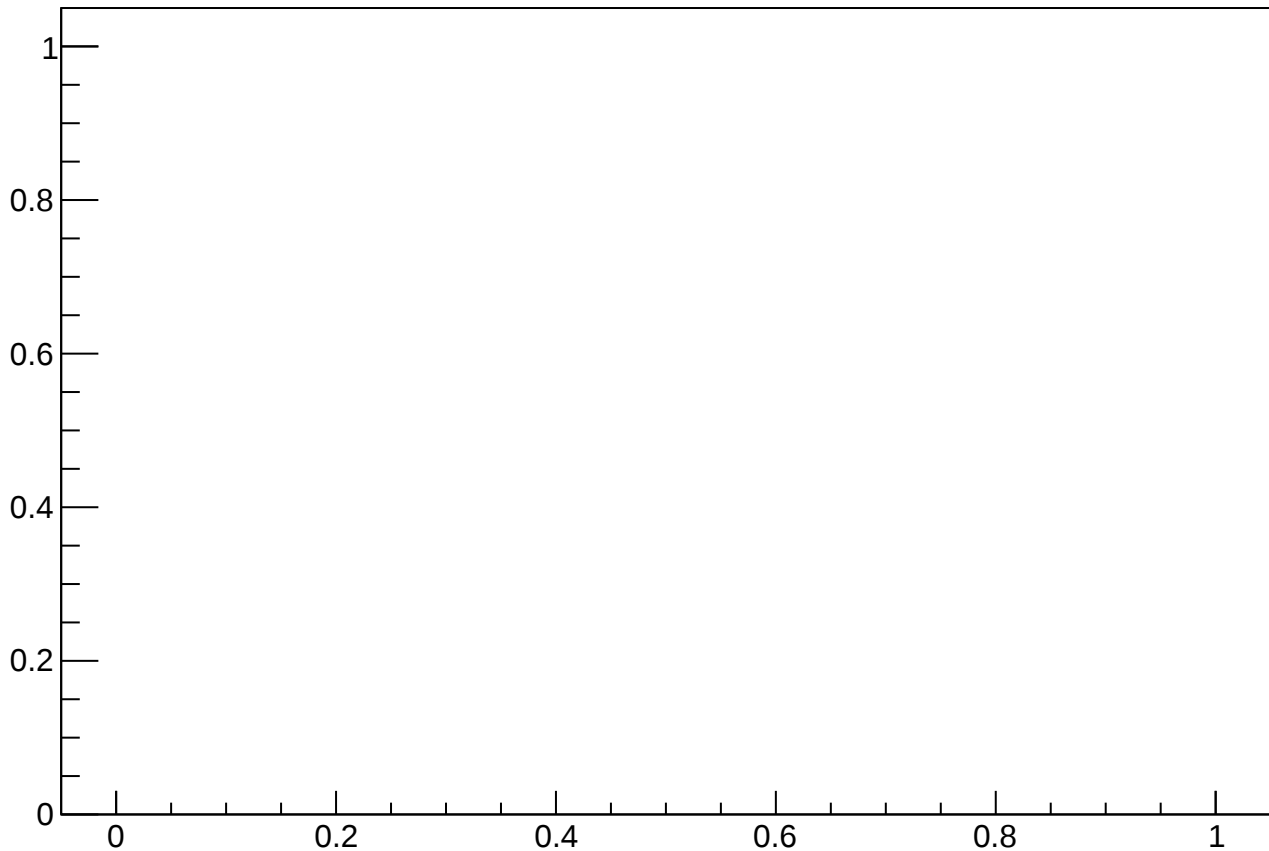
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ 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_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

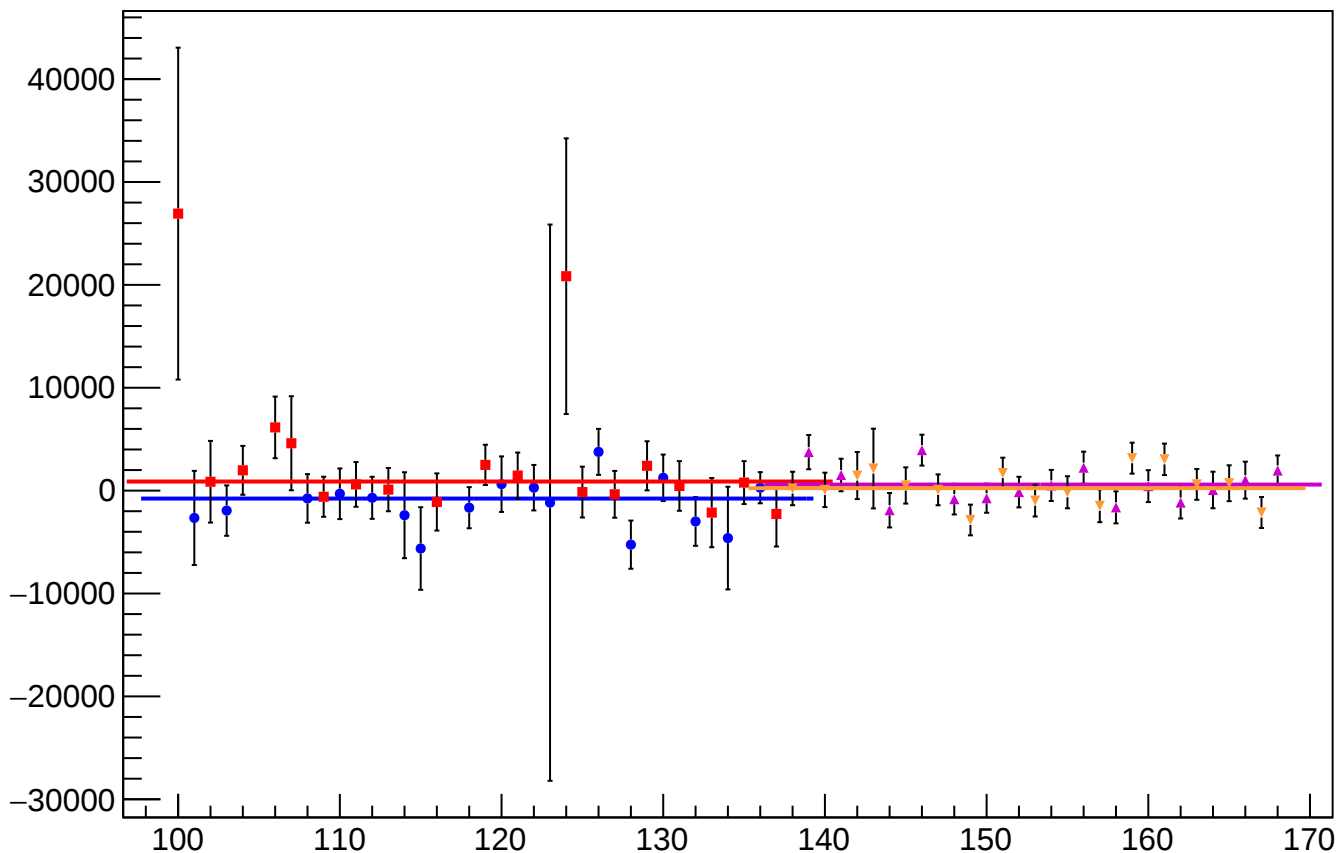
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 238.896+/-409.199 χ^2/NDF : 17.4/15

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

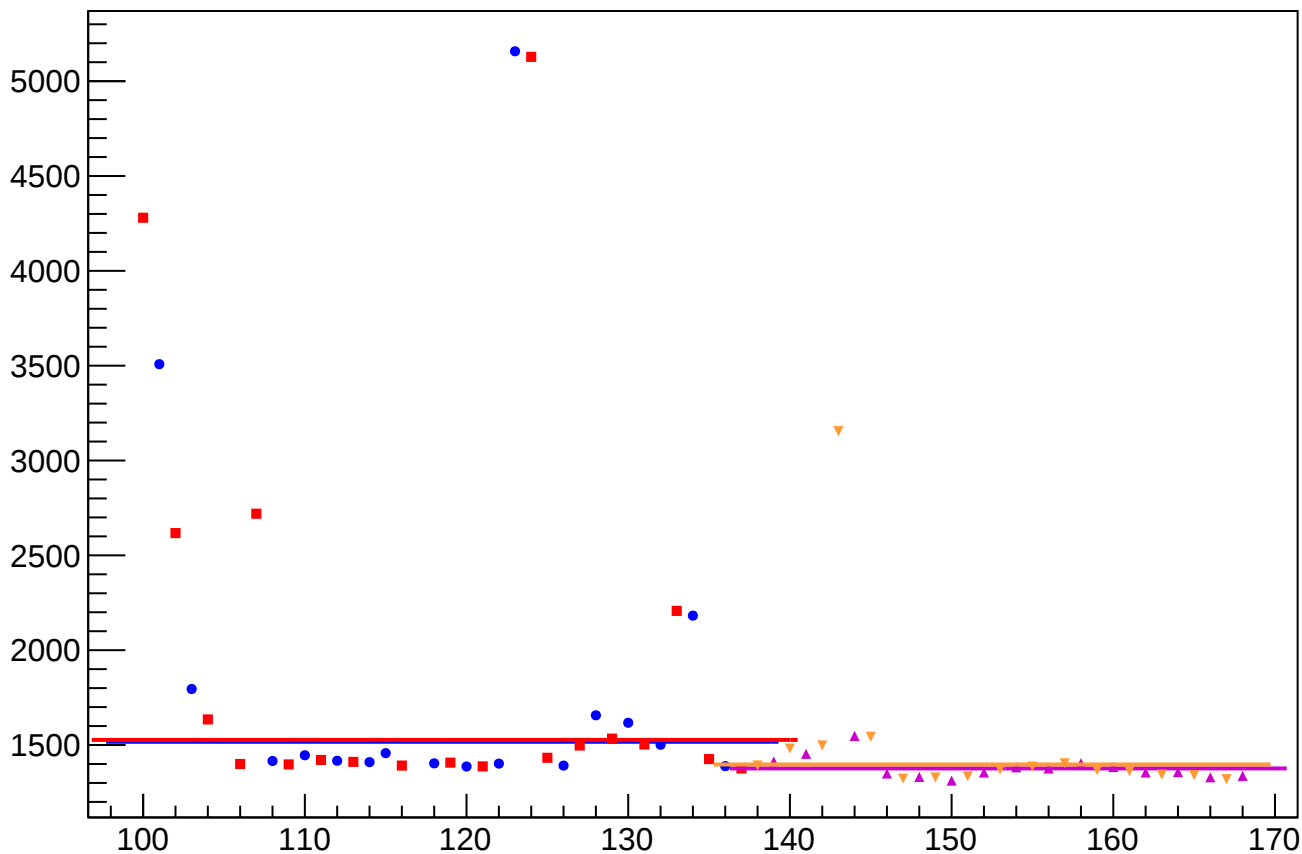
Left In: 589.213+/-403.181 χ^2/NDF : 18.6/14

+ sign -79.080+/-338.719 χ^2/NDF : 32.6/32

All: 307.213+/-237.745 χ^2/NDF : 67.4/66

- sign 682.324+/-333.780 χ^2/NDF : 32.2/33

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1397.442+/-0.289 χ^2/NDF : 459311.1/15

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

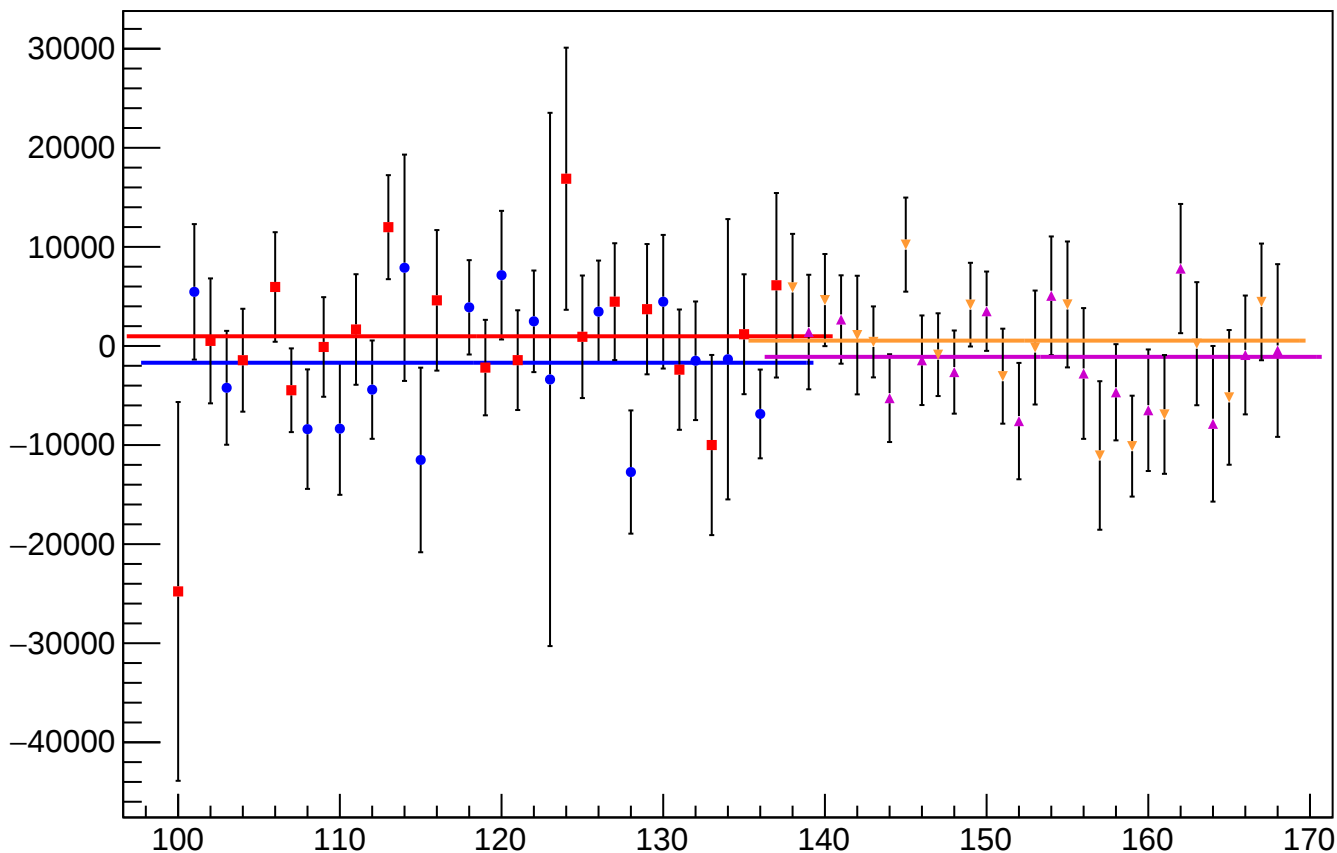
Left In: 1376.561+/-0.285 χ^2/NDF : 37675.2/14

+ sign 1435.186+/-0.240 χ^2/NDF : 1050023.9/32

All: 1429.458+/-0.168 χ^2/NDF : 1808128.1/60

- sign 1423.897+/-0.236 χ^2/NDF : 756977.1/33

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 540.077 ± 1287.608 χ^2/NDF : 17.2/15

Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

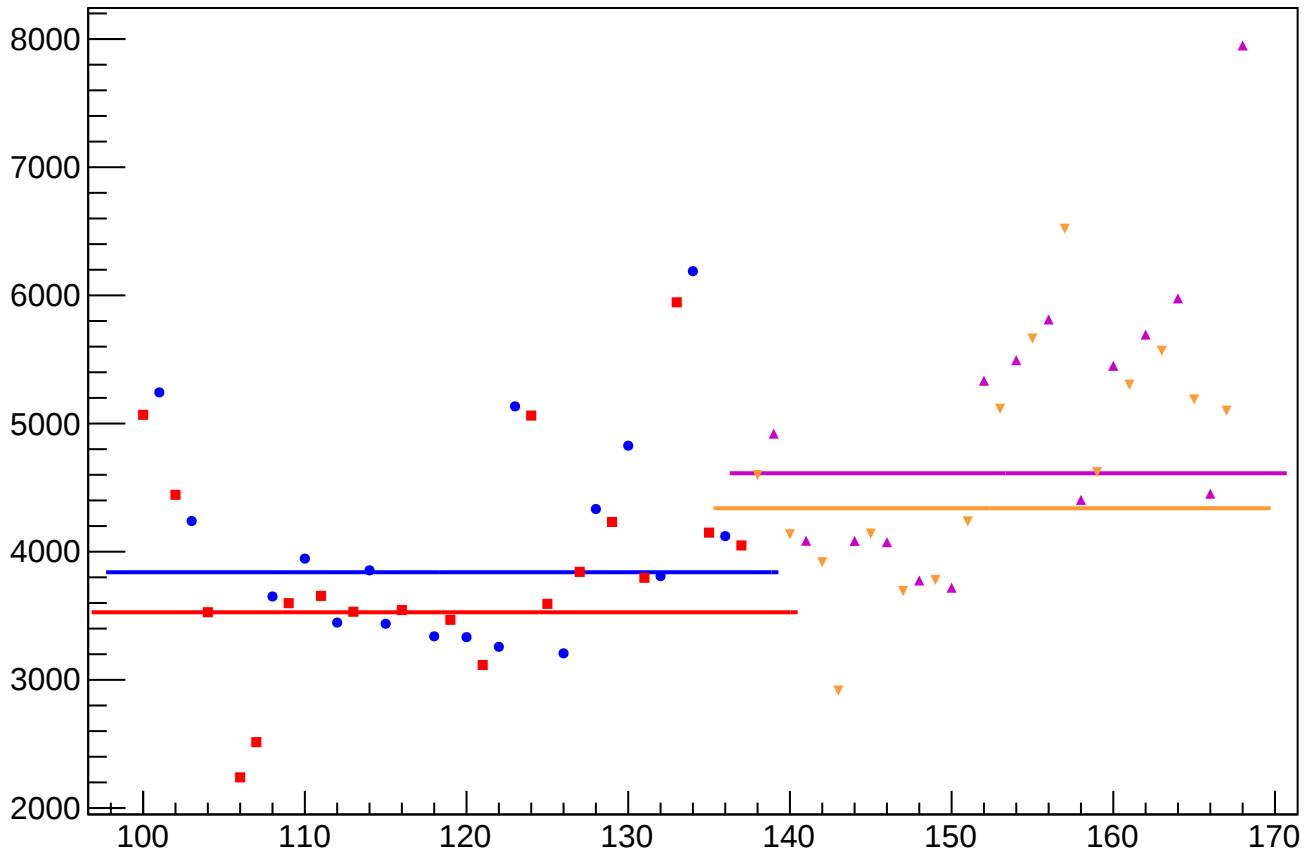
Left In: -1098.129 ± 1375.151 χ^2/NDF : 9.5/14

+ sign -397.781 ± 980.563 χ^2/NDF : 34.3/32

All: -229.174 ± 690.921 χ^2/NDF : 58.9/66

- sign -62.921 ± 973.692 χ^2/NDF : 24.6/33

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751 ± 1.070 $\chi^2/\text{NDF}: 325959.2/16$

Left Out: 4339.252 ± 0.910 $\chi^2/\text{NDF}: 914556.8/15$

Right Out: 3527.320 ± 0.966 $\chi^2/\text{NDF}: 554785.4/18$

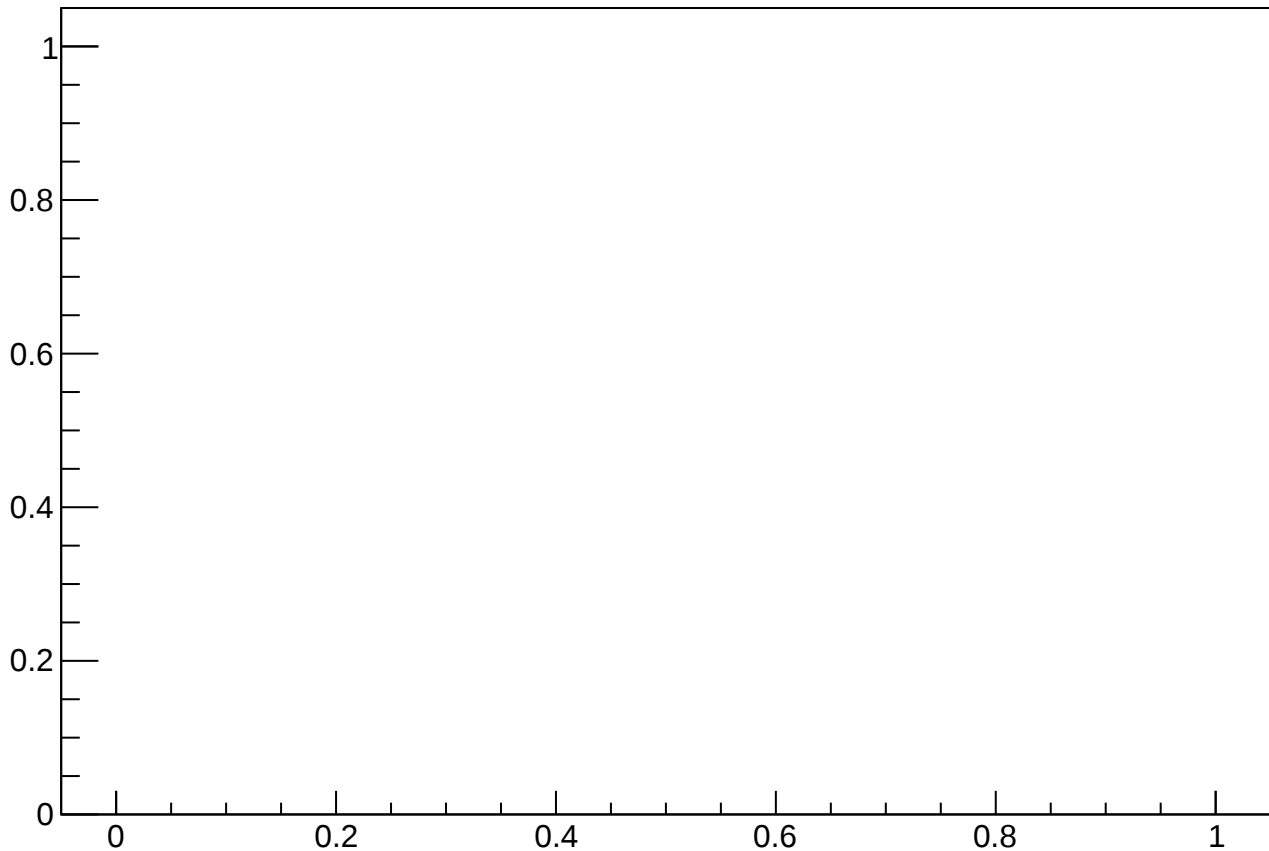
Left In: 4612.106 ± 0.972 $\chi^2/\text{NDF}: 860319.7/14$

+ sign 4129.425 ± 0.693 $\chi^2/\text{NDF}: 1366948.3/32$

All: 4097.460 ± 0.487 $\chi^2/\text{NDF}: 3412537.4/60$

- sign 4066.227 ± 0.685 $\chi^2/\text{NDF}: 2041387.0/33$

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

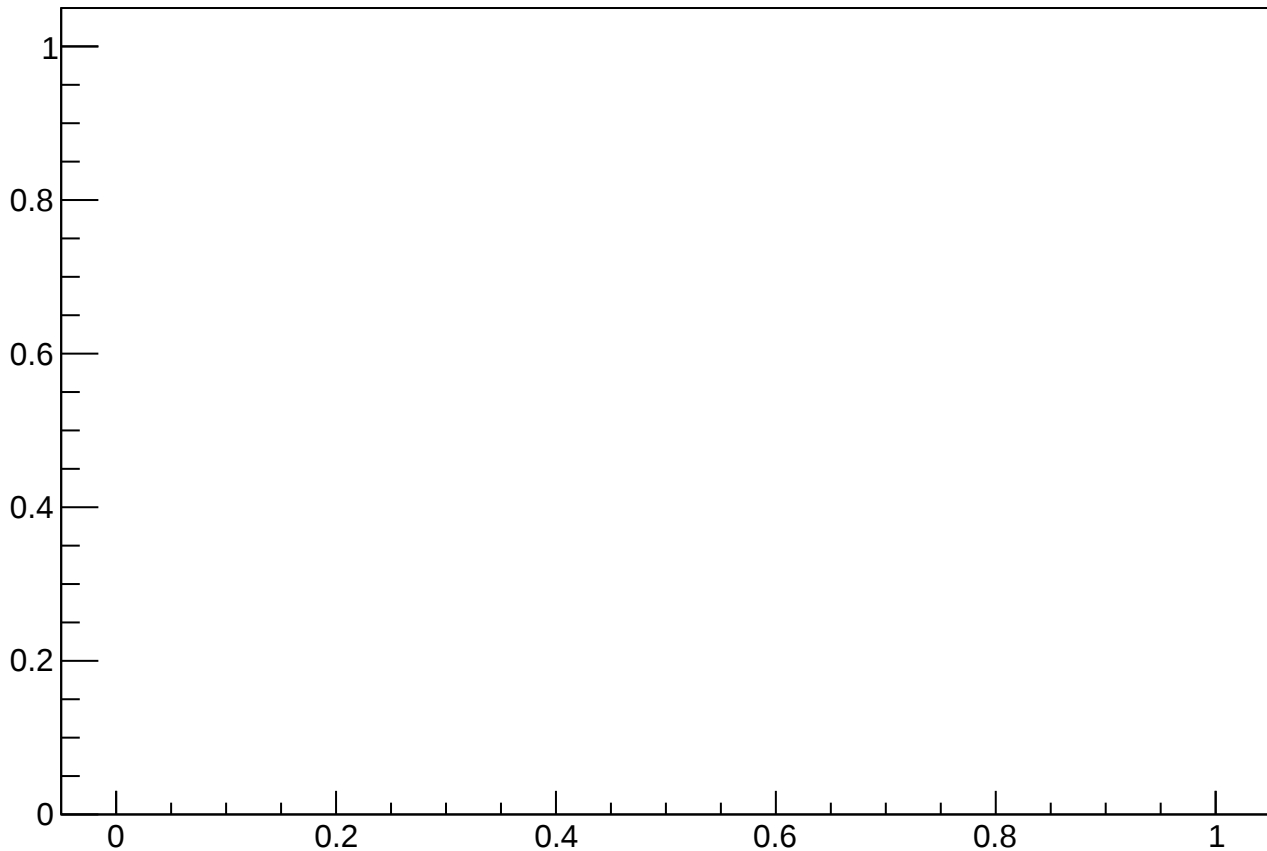
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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+/-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

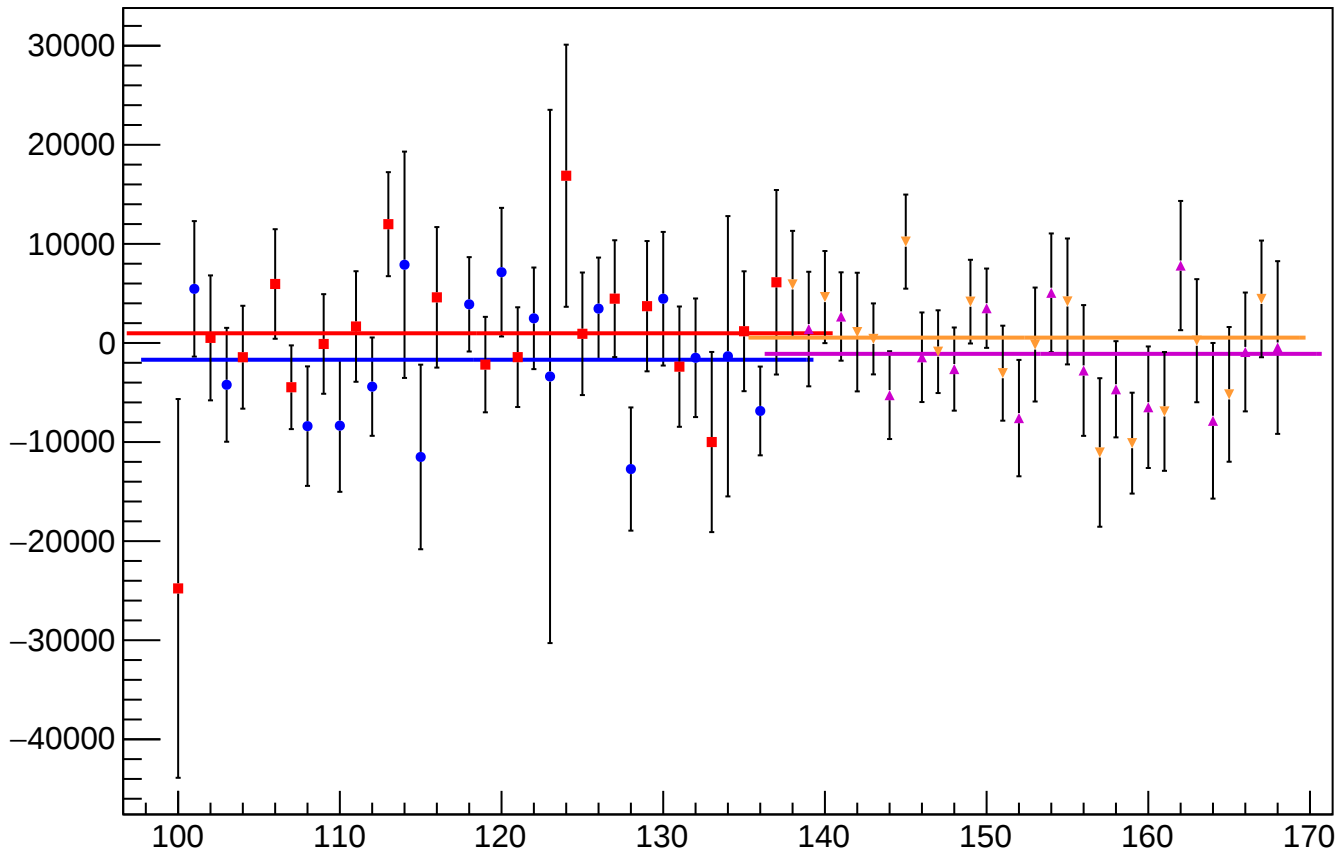
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ 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_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 540.077 ± 1287.608 χ^2/NDF : 17.2/15

Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

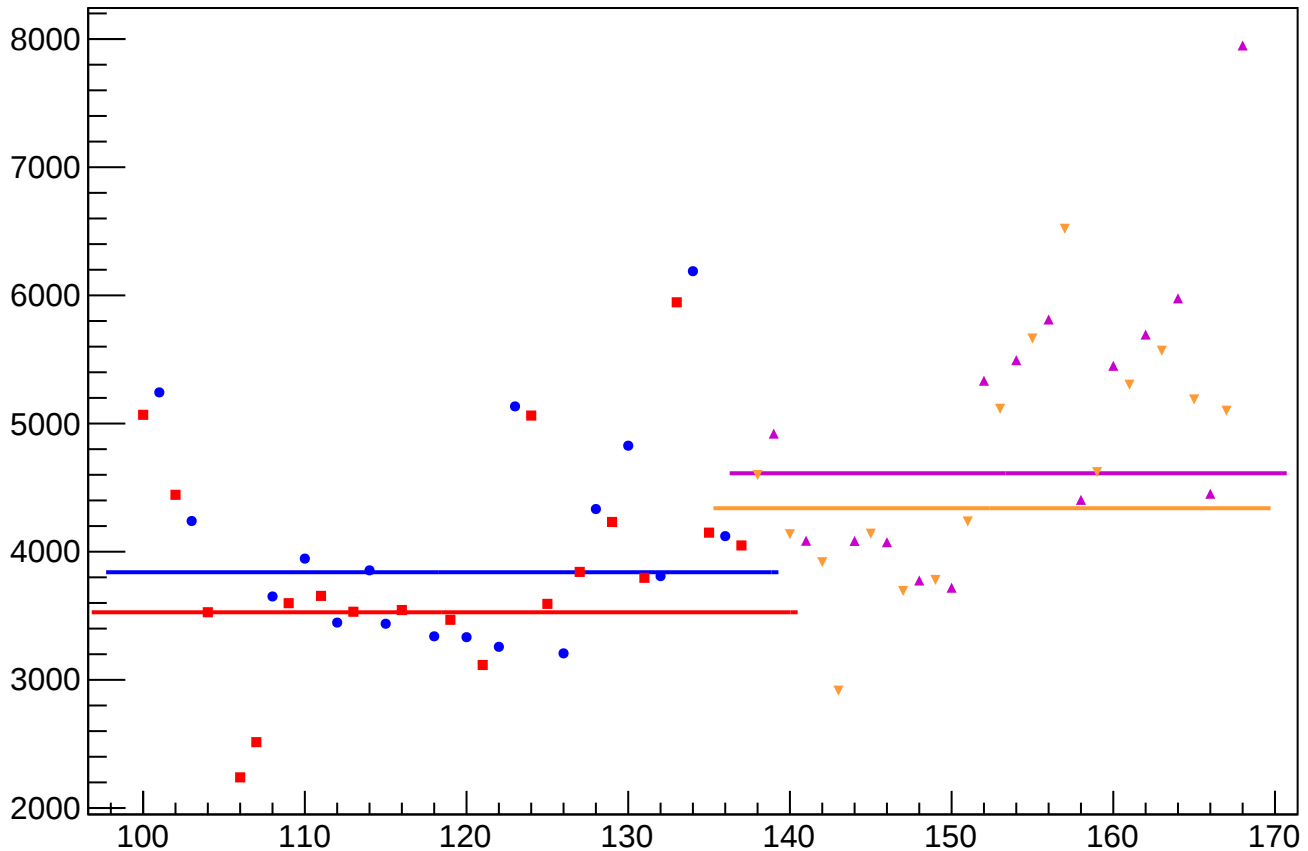
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+ sign -397.781 ± 980.563 χ^2/NDF : 34.3/32

All: -229.174 ± 690.921 χ^2/NDF : 58.9/66

- sign -62.921 ± 973.692 χ^2/NDF : 24.6/33

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4339.252+/-0.910 χ^2/NDF : 914556.8/15

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

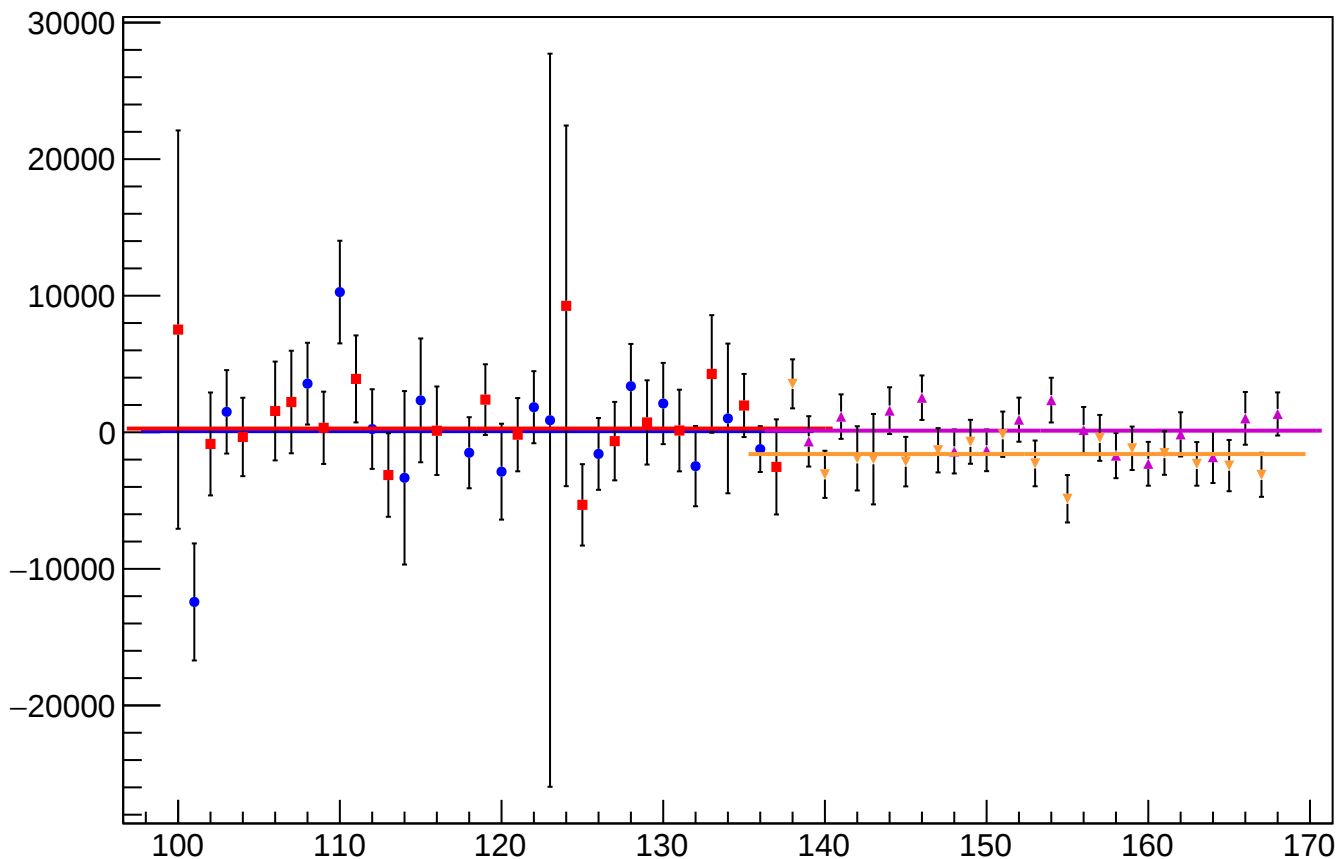
Left In: 4612.106+/-0.972 χ^2/NDF : 860319.7/14

+ sign 4129.425+/-0.693 χ^2/NDF : 1366948.3/32

All: 4097.460+/-0.487 χ^2/NDF : 3412537.4/60

- sign 4066.227+/-0.685 χ^2/NDF : 2041387.0/33

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -1594.636 ± 436.638 $\chi^2/\text{NDF}: 15.8/15$

Right Out: 272.707 ± 734.115 $\chi^2/\text{NDF}: 10.2/18$

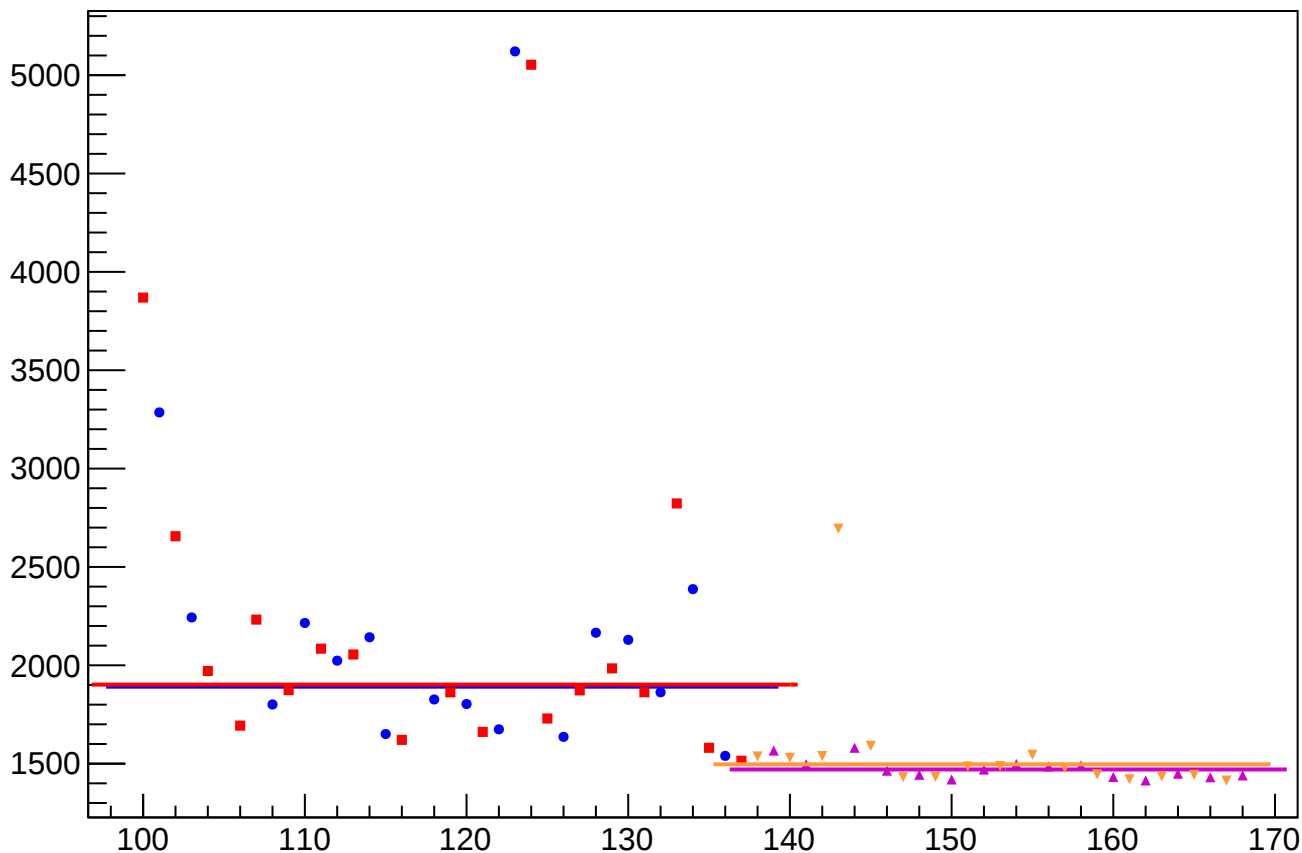
Left In: 120.013 ± 430.459 $\chi^2/\text{NDF}: 12.8/14$

+ sign -1170.207 ± 377.417 $\chi^2/\text{NDF}: 42.4/32$

All: -494.758 ± 264.696 $\chi^2/\text{NDF}: 71.7/66$

- sign 159.081 ± 371.331 $\chi^2/\text{NDF}: 23.0/33$

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2 /NDF: 464497.5/16

Left Out: 1496.671+/-0.309 χ^2 /NDF: 294397.3/15

Right Out: 1901.797+/-0.519 χ^2 /NDF: 460687.3/18

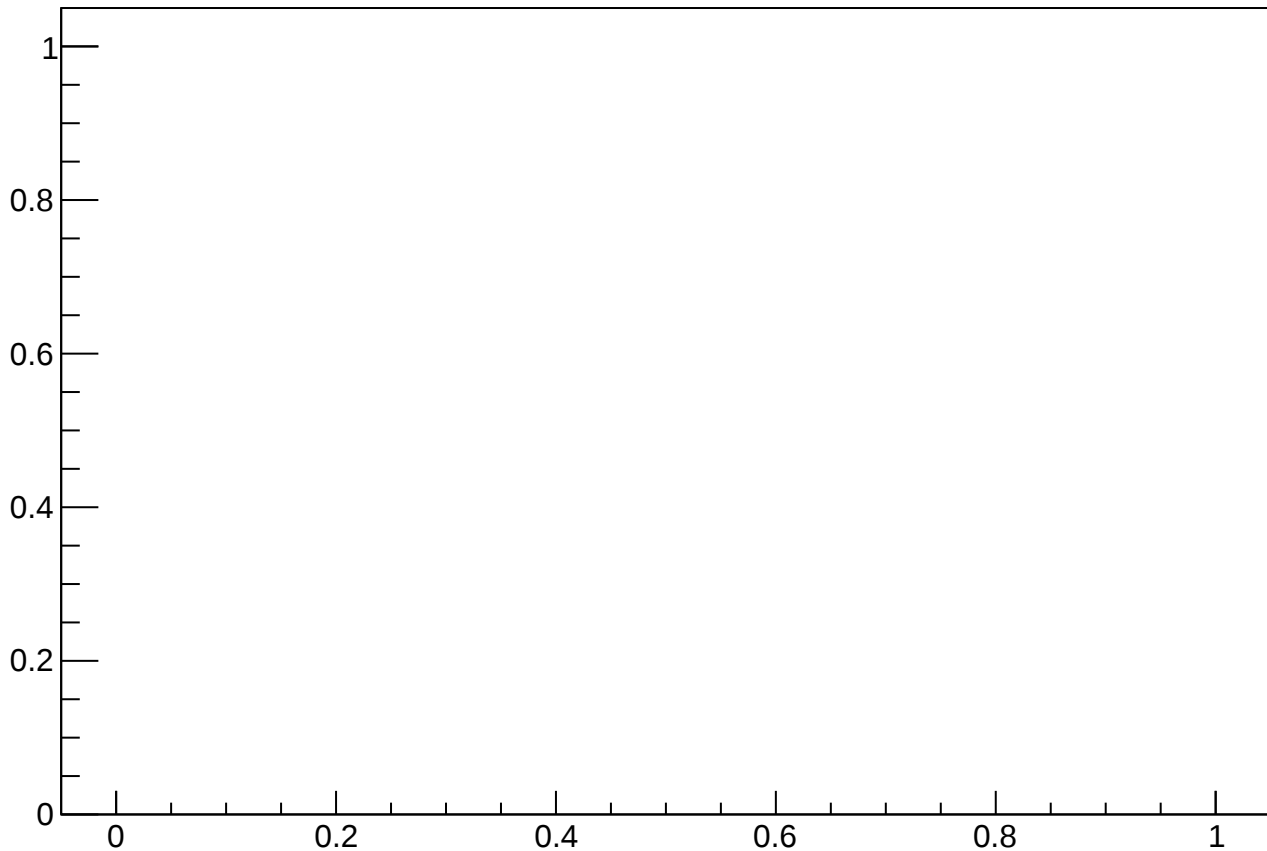
Left In: 1470.520+/-0.304 χ^2 /NDF: 23477.8/14

+ sign 1596.508+/-0.267 χ^2 /NDF: 1172396.5/32

All: 1588.560+/-0.187 χ^2 /NDF: 2171974.4/60

- sign 1580.867+/-0.263 χ^2 /NDF: 997832.6/33

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



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

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

Right Out: 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_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

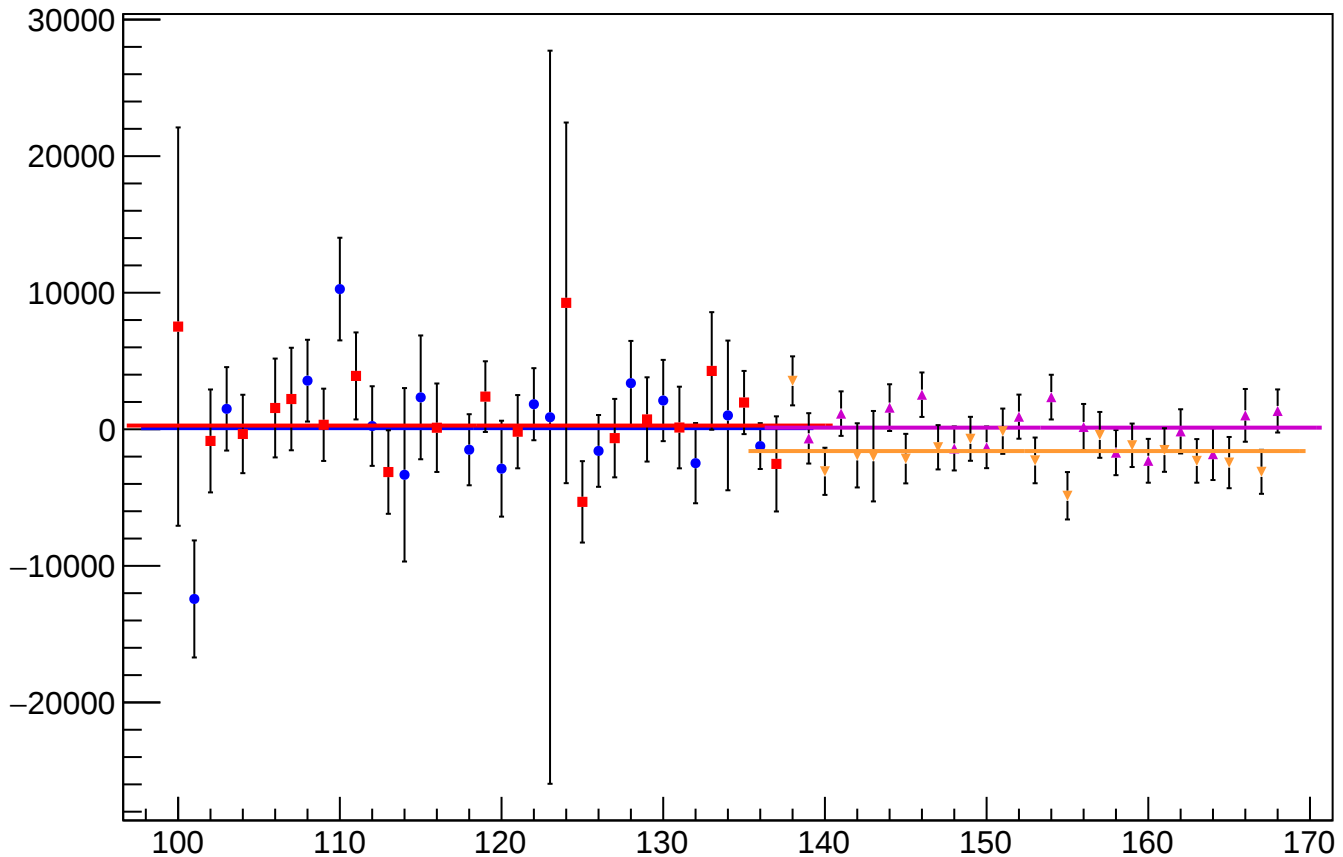
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1594.636 $\pm$ 436.638 χ^2 /NDF:15.8/15

Right Out: 272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

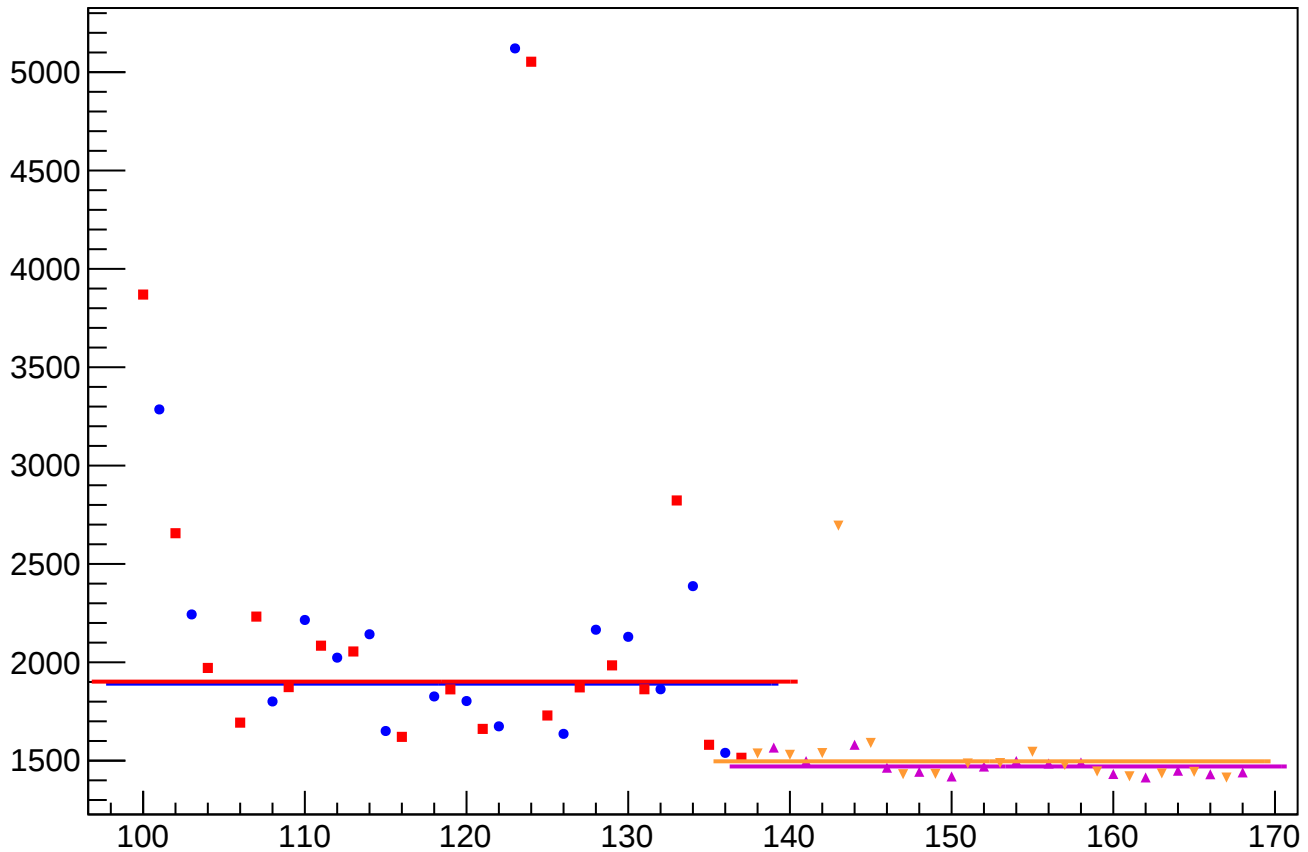
Left In: 120.013 $\pm$ 430.459 χ^2 /NDF:12.8/14

+ sign -1170.207 $\pm$ 377.417 χ^2 /NDF: 42.4/32

All: -494.758 $\pm$ 264.696 χ^2 /NDF: 71.7/66

- sign 159.081 $\pm$ 371.331 χ^2 /NDF: 23.0/33

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1496.671 $\pm$ 0.309 χ^2 /NDF: 294397.3/15

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

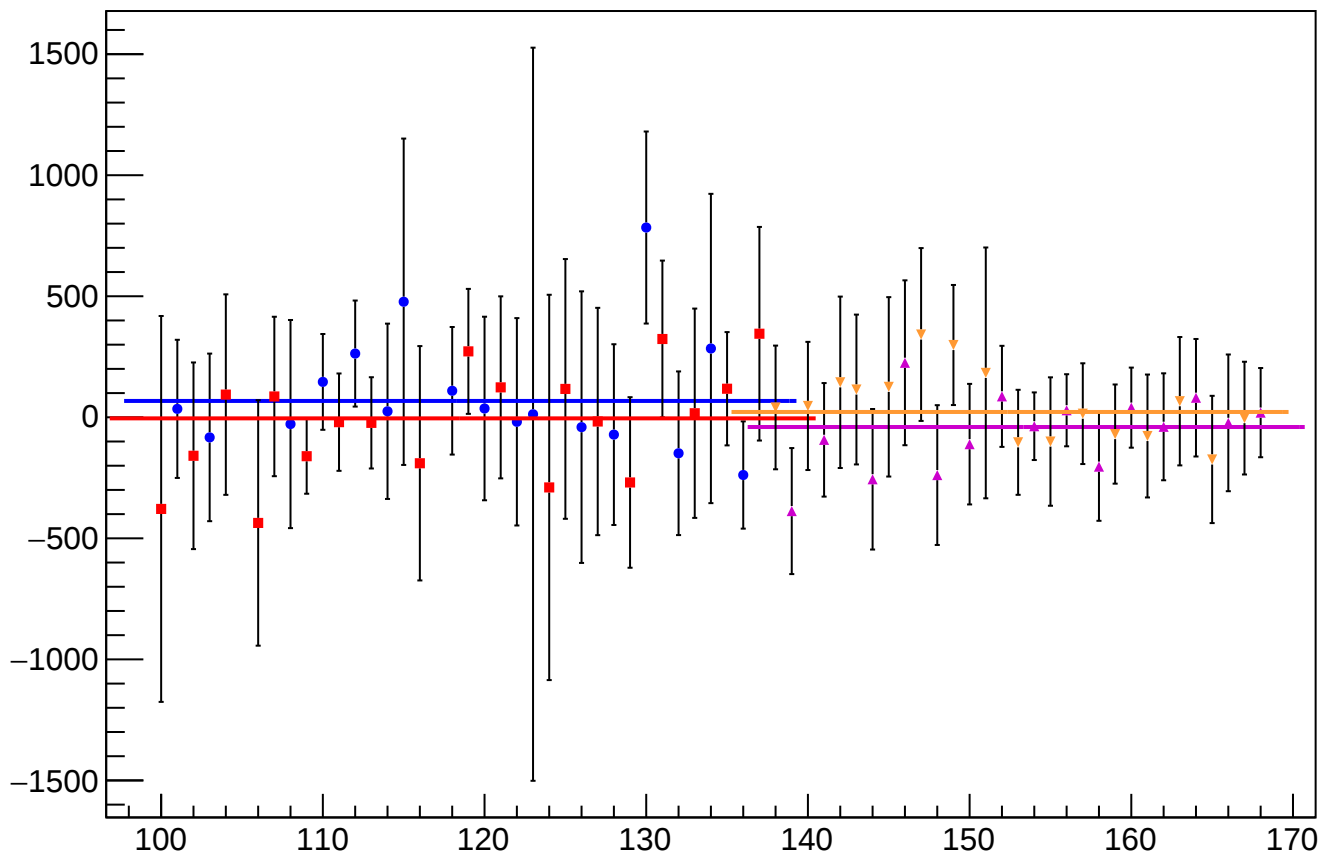
Left In: 1470.520 $\pm$ 0.304 χ^2 /NDF: 23477.8/14

+ sign 1596.508 $\pm$ 0.267 χ^2 /NDF: 1172396.5/32

All: 1588.560 $\pm$ 0.187 χ^2 /NDF: 2171974.4/60

- sign 1580.867 $\pm$ 0.263 χ^2 /NDF: 997832.6/33

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: 21.995 $\pm$ 66.202 χ^2 /NDF: 3.9/15

Right Out: -4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

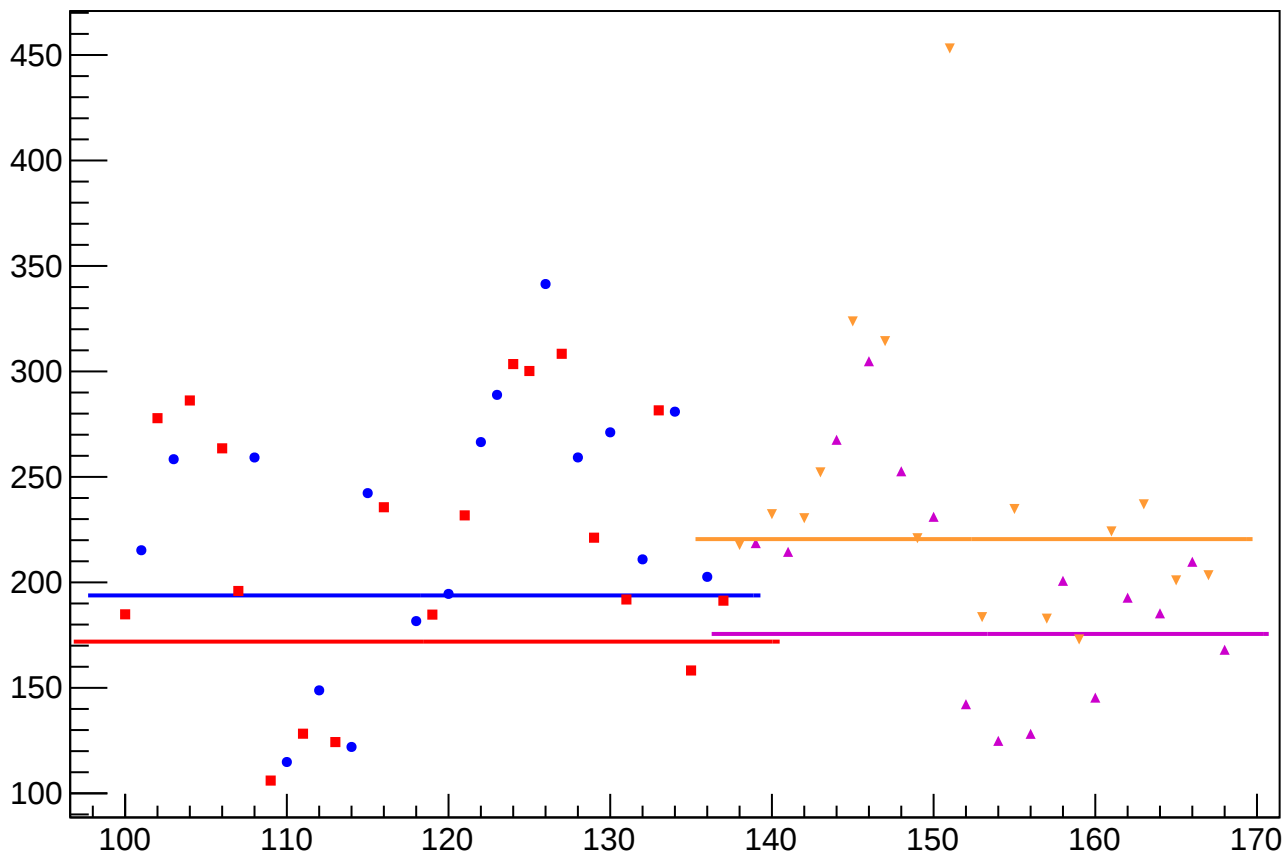
Left In: -40.129 $\pm$ 54.485 χ^2 /NDF: 5.3/14

+ sign 40.616 $\pm$ 50.901 χ^2 /NDF: 11.7/32

All: 1.355 $\pm$ 32.847 χ^2 /NDF: 24.5/66

- sign -26.660 $\pm$ 42.998 χ^2 /NDF: 11.8/33

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: 220.515 $\pm$ 0.047 χ^2 /NDF: 990701.1/15

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

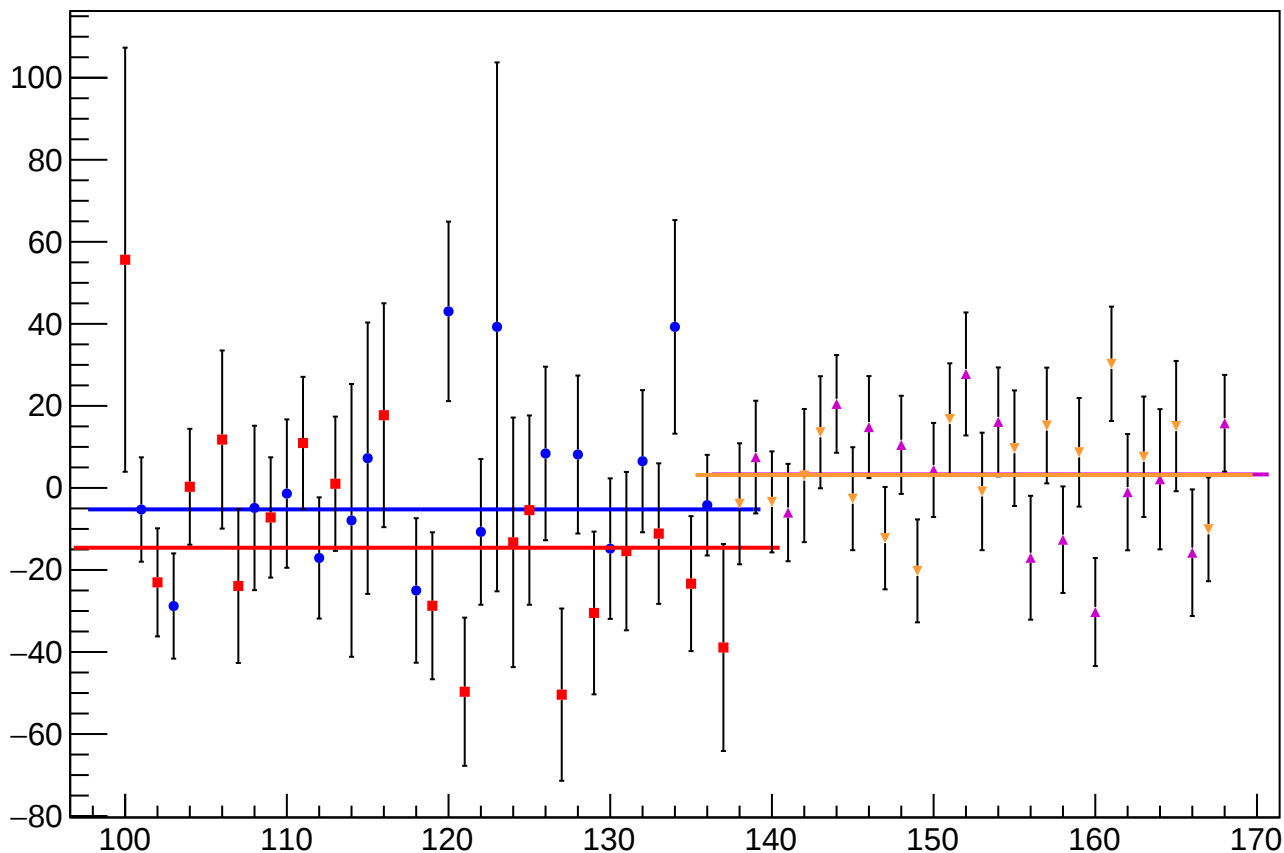
Left In: 175.561 $\pm$ 0.039 χ^2 /NDF: 1497643.7/14

+ sign 209.599 $\pm$ 0.036 χ^2 /NDF: 2134020.3/32

All: 188.934 $\pm$ 0.023 χ^2 /NDF: 5776988.2/66

- sign 174.188 $\pm$ 0.030 χ^2 /NDF: 3078089.0/33

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: 3.156 ± 3.420 χ^2/NDF : 14.0/15

Right Out: -14.579 ± 4.265 χ^2/NDF : 19.5/18

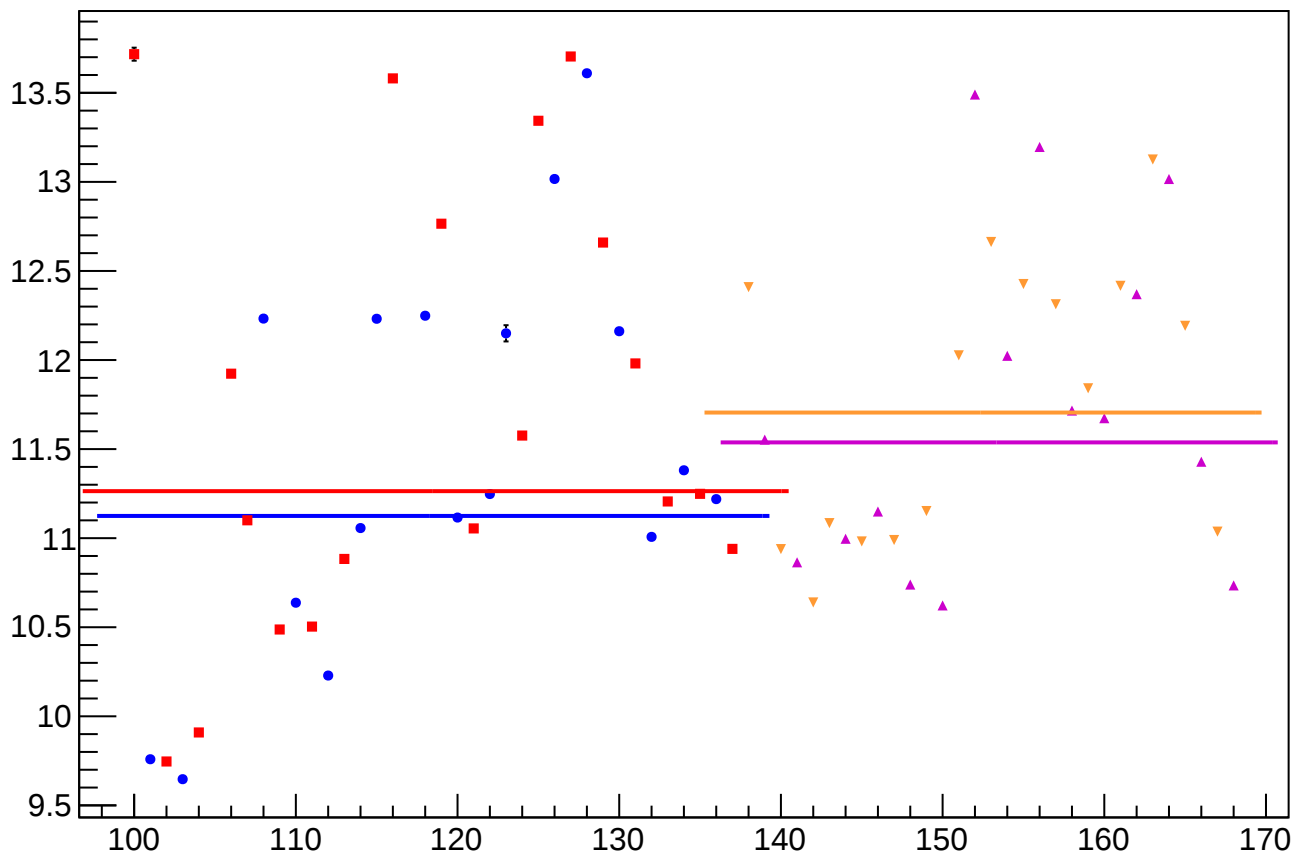
Left In: 3.291 ± 3.400 χ^2/NDF : 20.2/14

+ sign -0.042 ± 2.690 χ^2/NDF : 31.8/32

All: -1.869 ± 1.891 χ^2/NDF : 83.2/66

- sign -3.654 ± 2.659 χ^2/NDF : 50.4/33

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: 11.705 $\pm$ 0.002 χ^2 /NDF: 92774.5/15

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

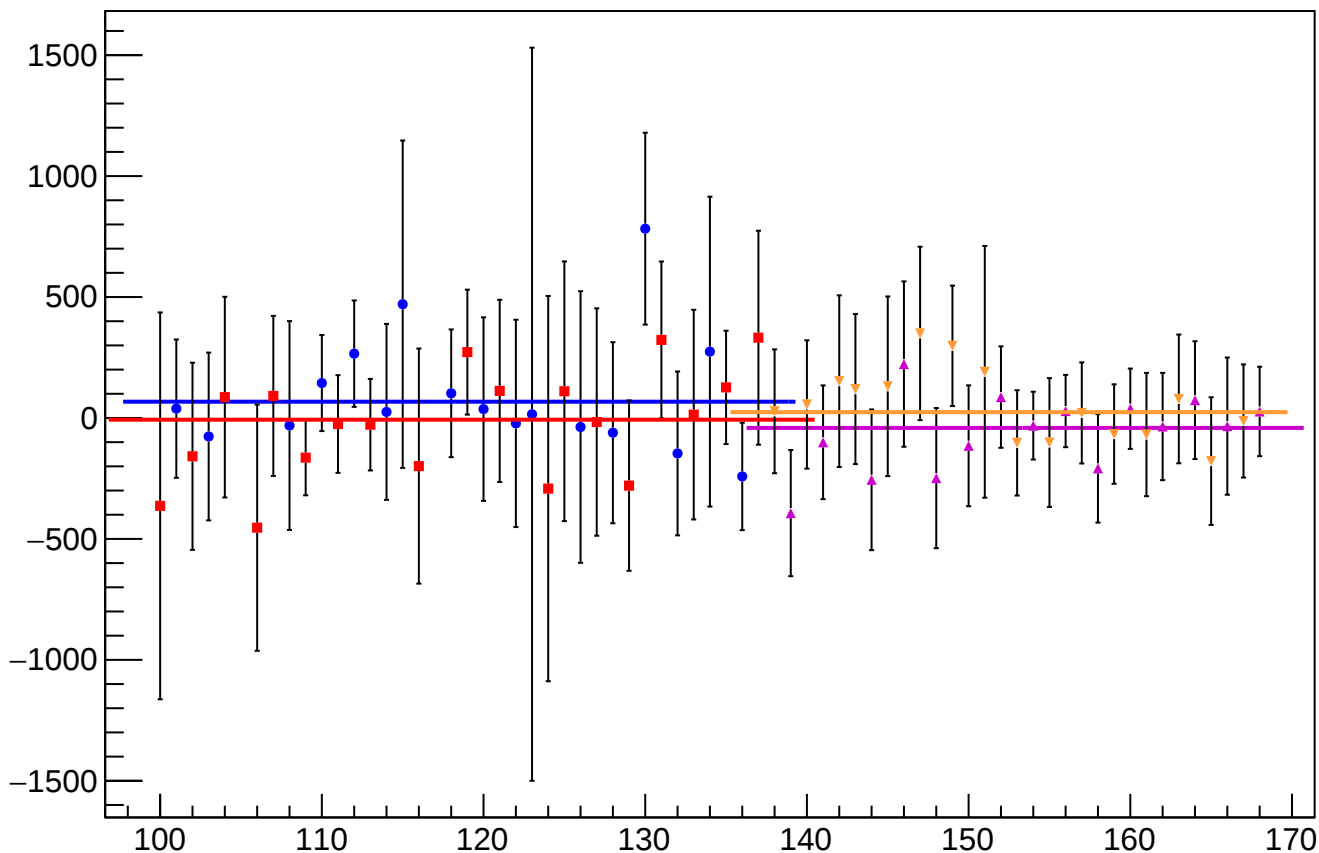
Left In: 11.538 $\pm$ 0.002 χ^2 /NDF: 126692.4/14

+ sign 11.484 $\pm$ 0.002 χ^2 /NDF: 247260.6/32

All: 11.457 $\pm$ 0.001 χ^2 /NDF: 527106.9/66

- sign 11.431 $\pm$ 0.002 χ^2 /NDF: 279458.9/33

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 23.929+/-66.434 χ^2/NDF : 4.0/15

Right Out: -7.039+/-70.212 χ^2/NDF : 6.4/18

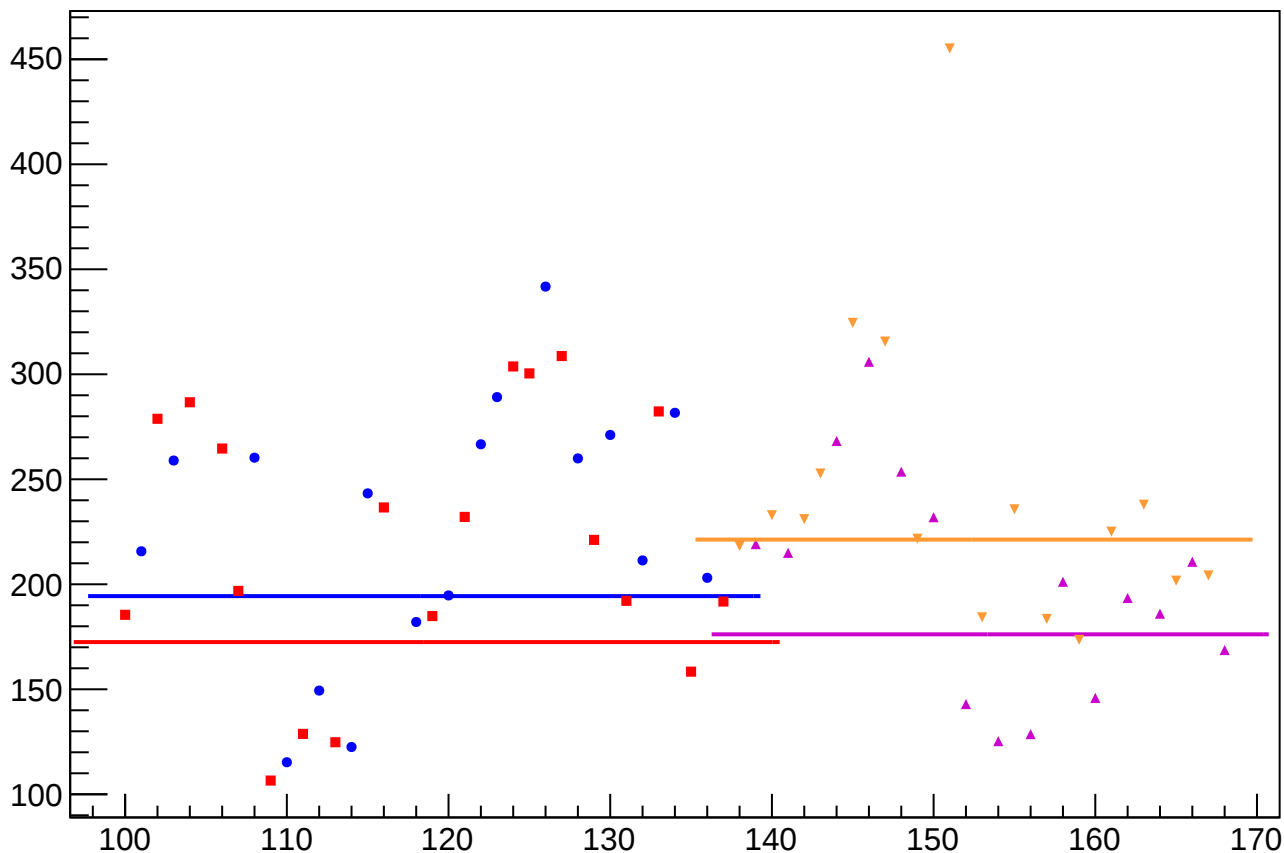
Left In: -41.039+/-54.672 χ^2/NDF : 5.4/14

+ sign 41.680+/-51.061 χ^2/NDF : 11.7/32

All: 0.900+/-32.952 χ^2/NDF : 24.7/66

- sign -28.205+/-43.137 χ^2/NDF : 11.9/33

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: 221.289 $\pm$ 0.047 χ^2 /NDF: 989772.6/15

Right Out: 172.471 $\pm$ 0.050 χ^2 /NDF: 1569648.4/18

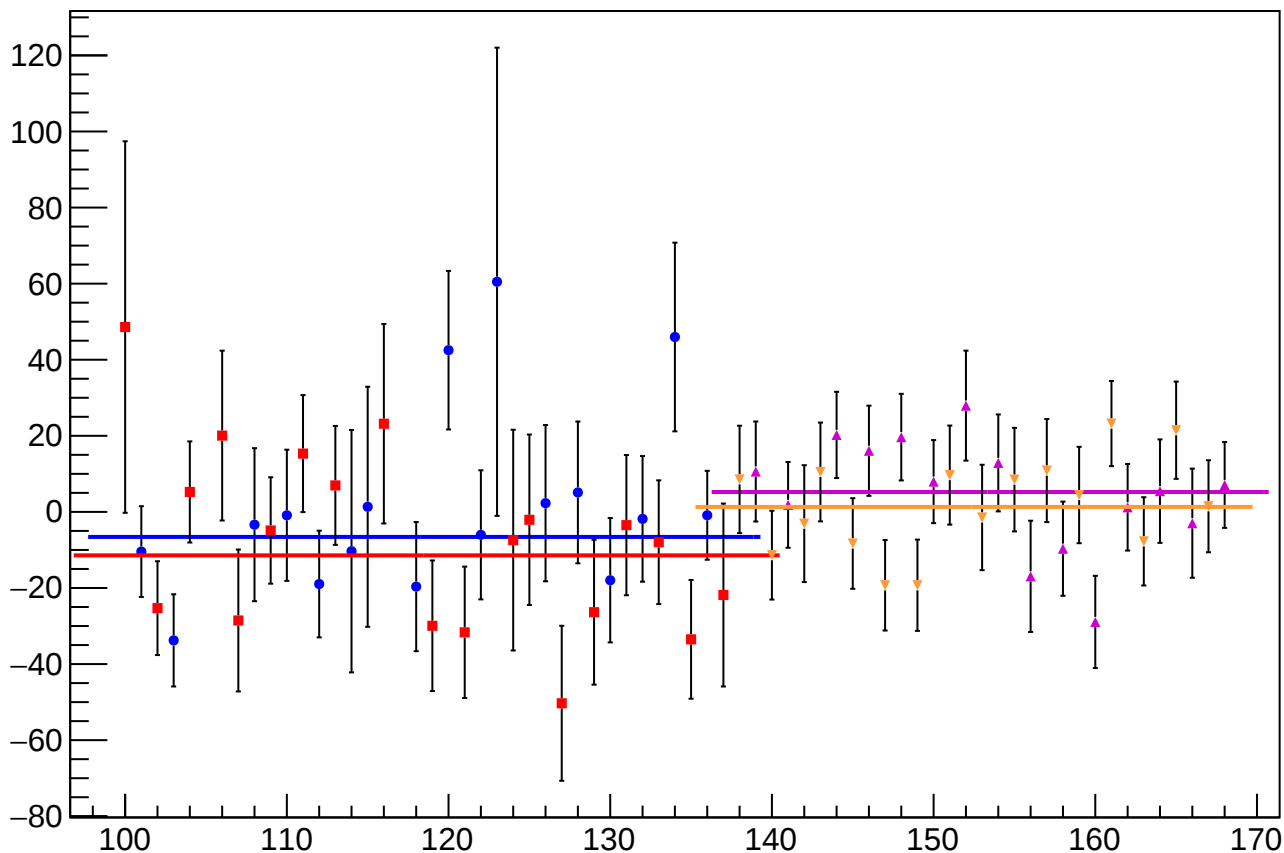
Left In: 176.171 $\pm$ 0.039 χ^2 /NDF: 1495695.0/14

+ sign 210.270 $\pm$ 0.036 χ^2 /NDF: 2129437.6/32

All: 189.557 $\pm$ 0.023 χ^2 /NDF: 5762215.9/66

- sign 174.775 $\pm$ 0.031 χ^2 /NDF: 3068800.4/33

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: 1.310 ± 3.160 χ^2/NDF : 16.8/15

Right Out: -11.423 ± 4.080 χ^2/NDF : 23.0/18

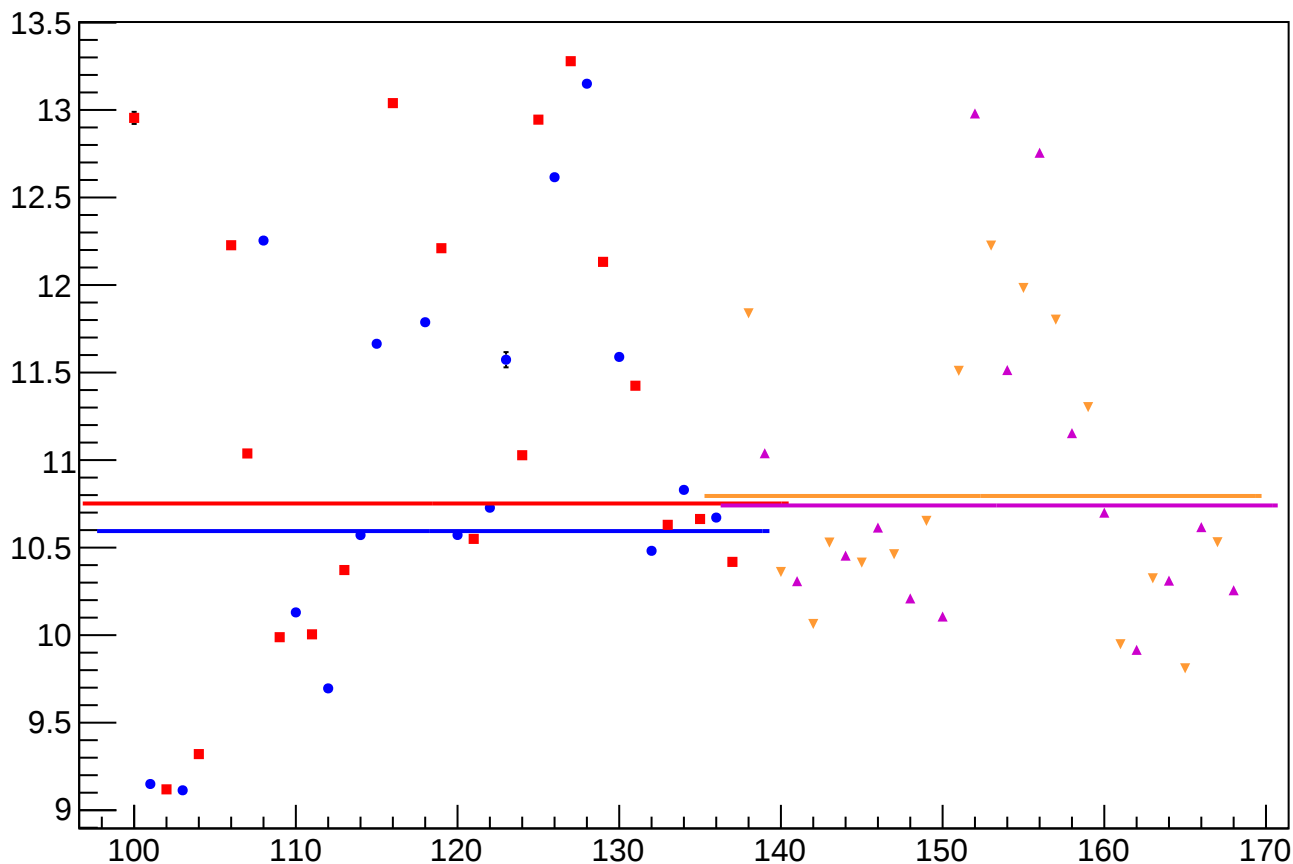
Left In: 5.228 ± 3.171 χ^2/NDF : 19.5/14

+ sign -1.578 ± 2.516 χ^2/NDF : 38.5/32

All: -1.309 ± 1.775 χ^2/NDF : 91.3/66

- sign -1.042 ± 2.503 χ^2/NDF : 52.9/33

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 $\pm$ 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.795 $\pm$ 0.002 χ^2/NDF : 107346.0/15

Right Out: 10.752 $\pm$ 0.003 χ^2/NDF : 177173.0/18

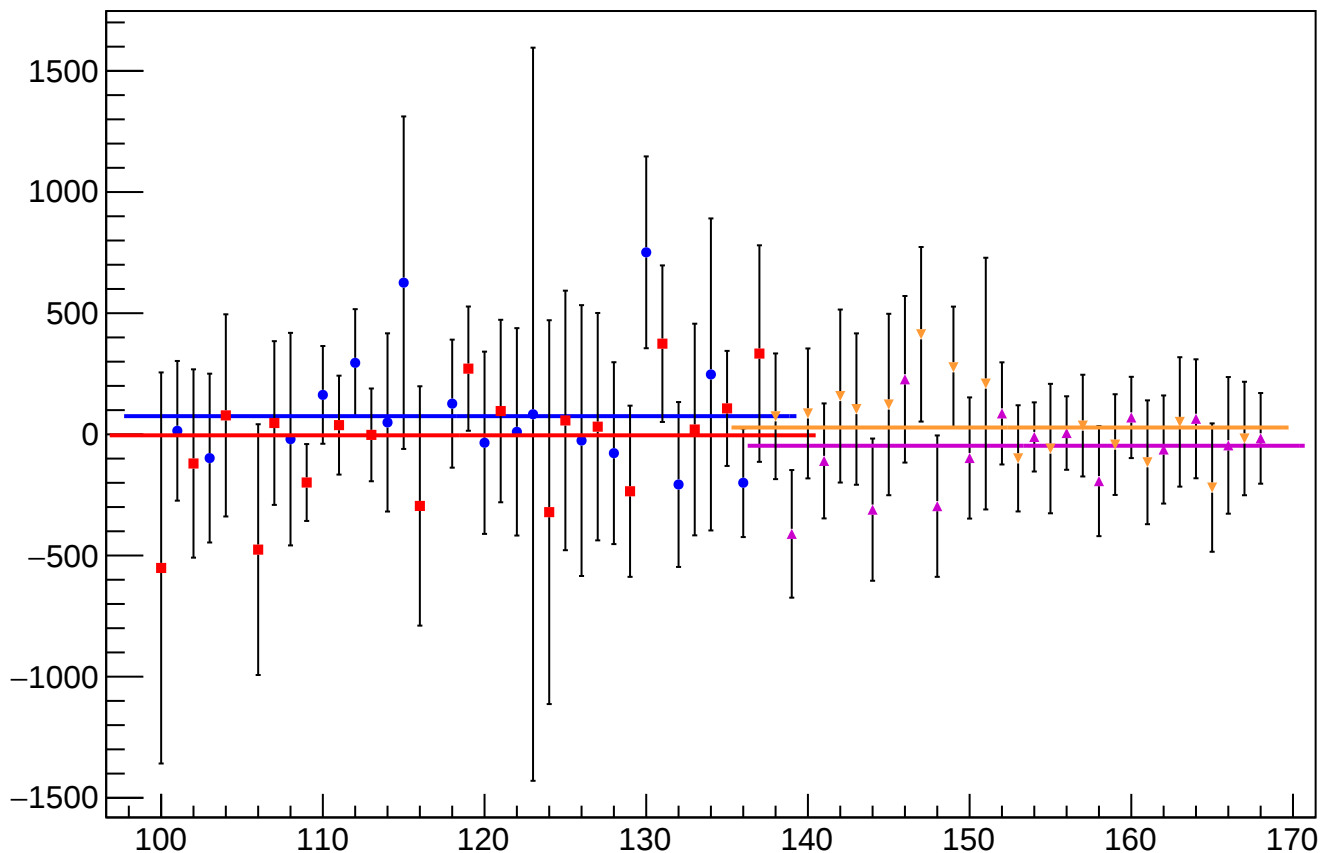
Left In: 10.741 $\pm$ 0.002 χ^2/NDF : 128510.4/14

+ sign 10.722 $\pm$ 0.002 χ^2/NDF : 270353.7/32

All: 10.733 $\pm$ 0.001 χ^2/NDF : 576134.1/66

- sign 10.745 $\pm$ 0.002 χ^2/NDF : 305692.8/33

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: 28.315+/-66.835 χ^2/NDF : 4.4/15

Right Out: -3.999+/-70.883 χ^2/NDF : 7.3/18

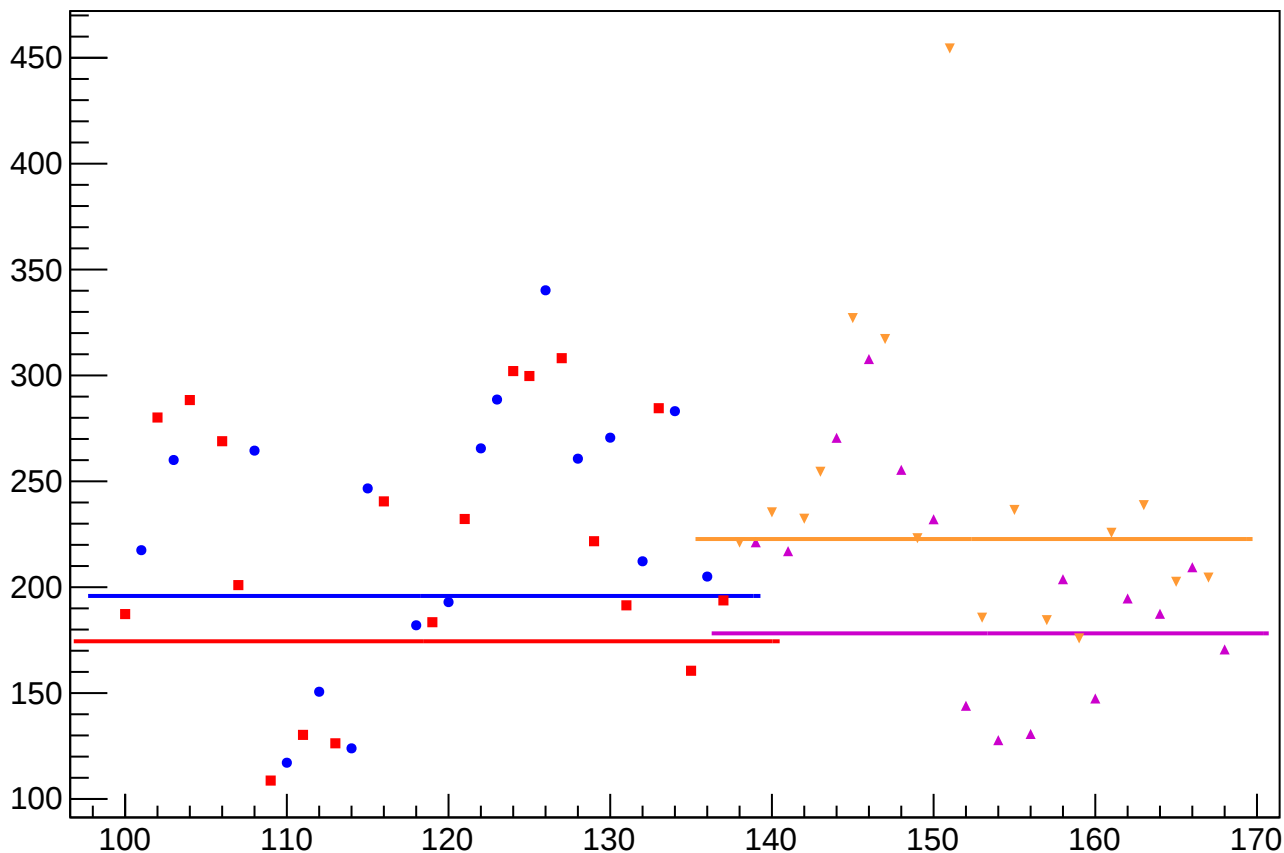
Left In: -47.050+/-55.226 χ^2/NDF : 5.9/14

+ sign 47.441+/-51.383 χ^2/NDF : 12.3/32

All: 1.928+/-33.229 χ^2/NDF : 27.1/66

- sign -30.788+/-43.565 χ^2/NDF : 13.5/33

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869+/-0.057 χ^2/NDF : 979247.4/16

Left Out: 222.750+/-0.047 χ^2/NDF : 979852.2/15

Right Out: 174.465+/-0.050 χ^2/NDF : 1528778.5/18

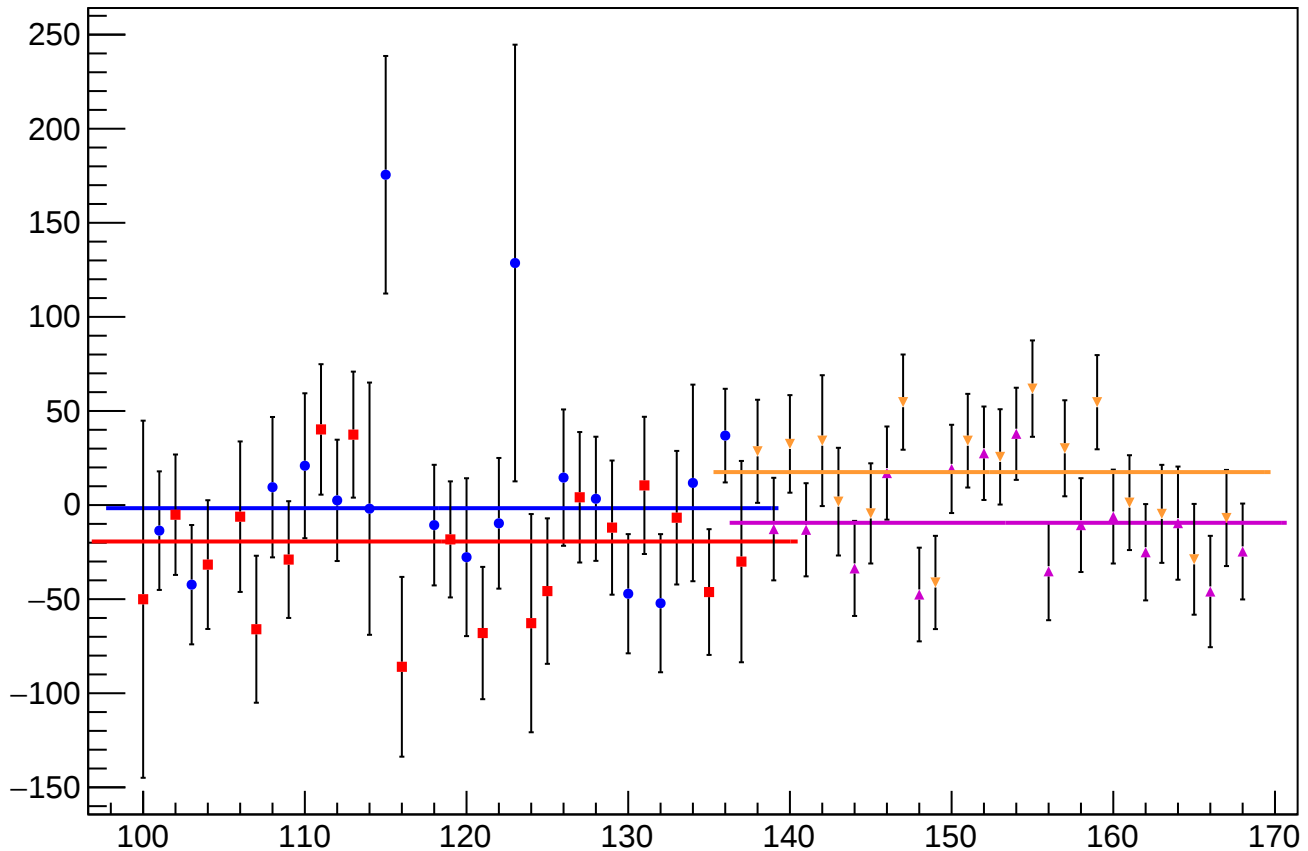
Left In: 178.206+/-0.039 χ^2/NDF : 1454721.4/14

+ sign 211.757+/-0.036 χ^2/NDF : 2091405.0/32

All: 191.415+/-0.023 χ^2/NDF : 5617146.9/66

- sign 176.793+/-0.031 χ^2/NDF : 2986965.7/33

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: 17.521 ± 6.589 χ^2/NDF : 20.0/15

Right Out: -19.357 ± 8.556 χ^2/NDF : 14.8/18

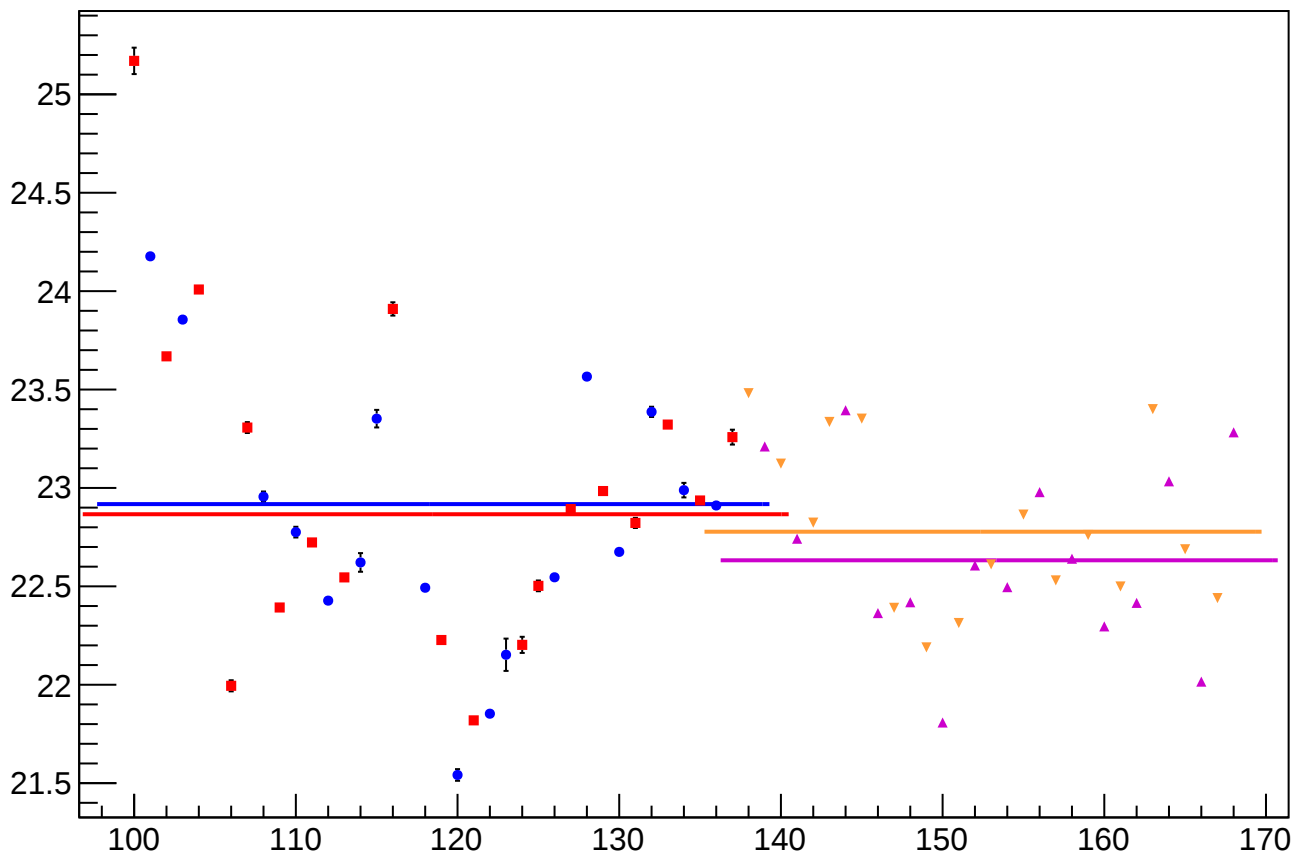
Left In: -9.426 ± 6.607 χ^2/NDF : 15.1/14

+ sign 10.714 ± 5.292 χ^2/NDF : 41.5/32

All: -1.353 ± 3.719 χ^2/NDF : 82.6/66

- sign -13.136 ± 5.229 χ^2/NDF : 30.7/33

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: 22.778 $\pm$ 0.005 χ^2/NDF : 7711.7/15

Right Out: 22.866 $\pm$ 0.006 χ^2/NDF : 11052.6/18

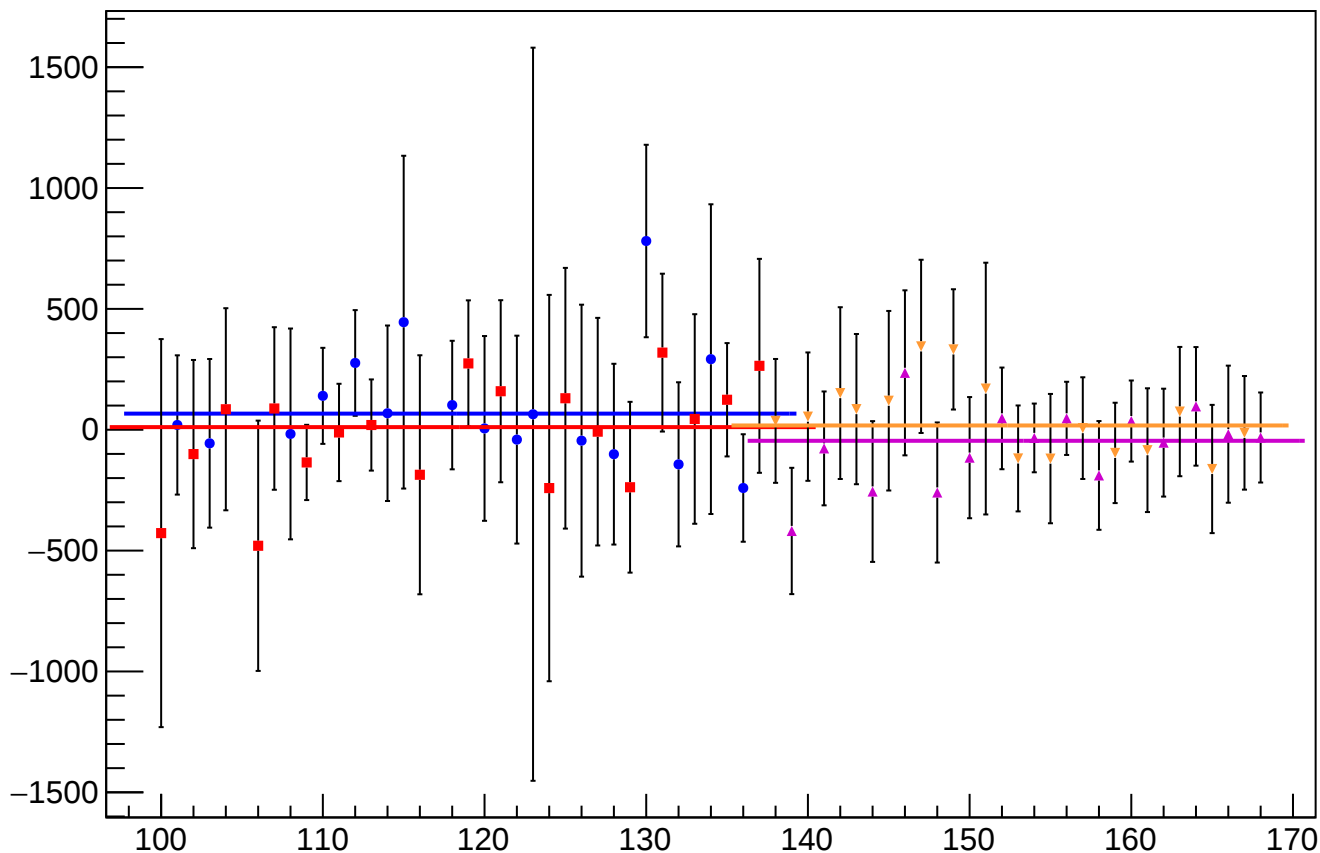
Left In: 22.632 $\pm$ 0.005 χ^2/NDF : 9066.6/14

+ sign 22.827 $\pm$ 0.004 χ^2/NDF : 19505.5/32

All: 22.773 $\pm$ 0.003 χ^2/NDF : 40981.1/66

- sign 22.720 $\pm$ 0.004 χ^2/NDF : 21056.7/33

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: 17.706 $\pm$ 66.708 χ^2 /NDF: 4.4/15

Right Out: 10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

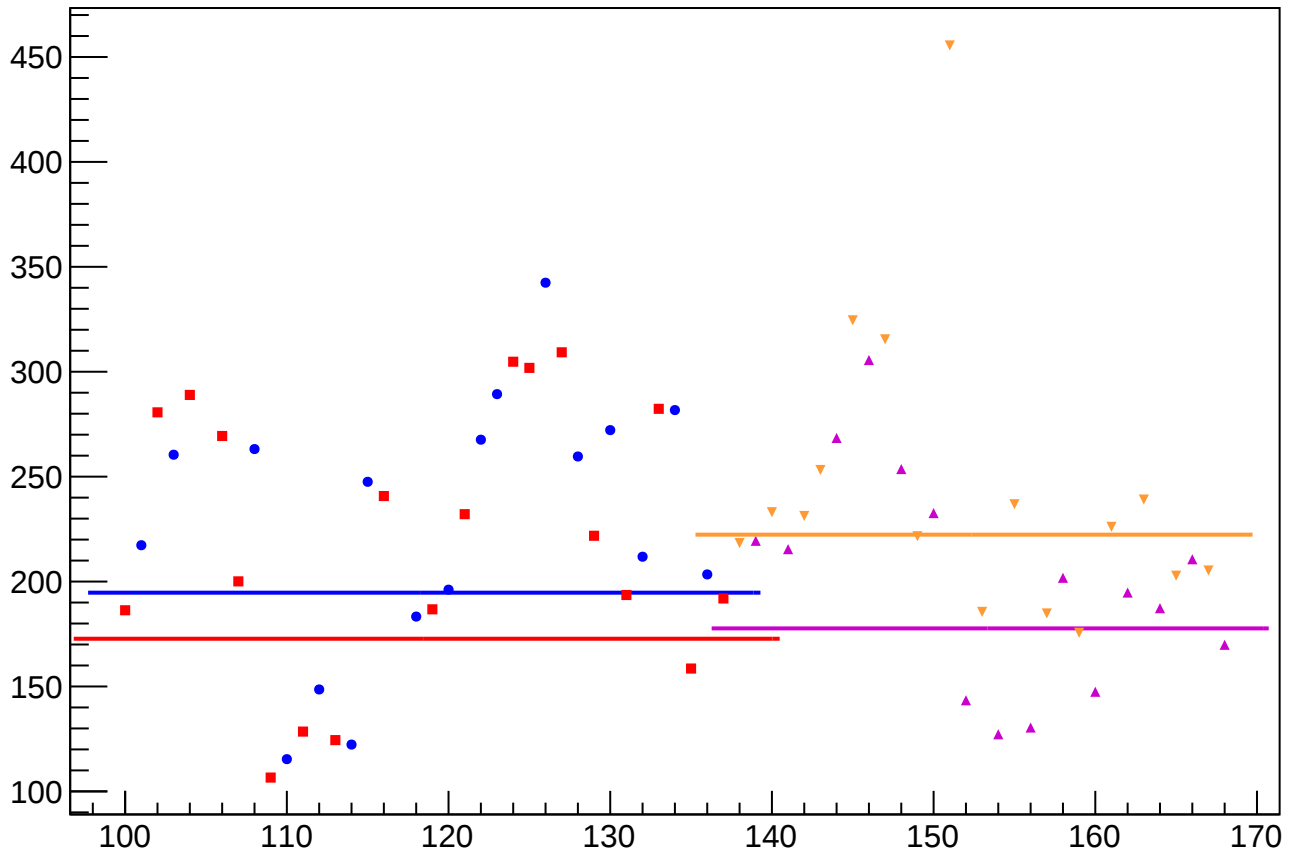
Left In: -45.720 $\pm$ 55.061 χ^2 /NDF: 5.4/14

+ sign 37.802 $\pm$ 51.232 χ^2 /NDF: 12.2/32

All: 1.661 $\pm$ 33.101 χ^2 /NDF: 24.6/66

- sign -24.237 $\pm$ 43.368 χ^2 /NDF: 11.5/33

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 222.353 $\pm$ 0.047 χ^2 /NDF:969041.4/15

Right Out: 172.753 $\pm$ 0.050 χ^2 /NDF: 1596944.9/18

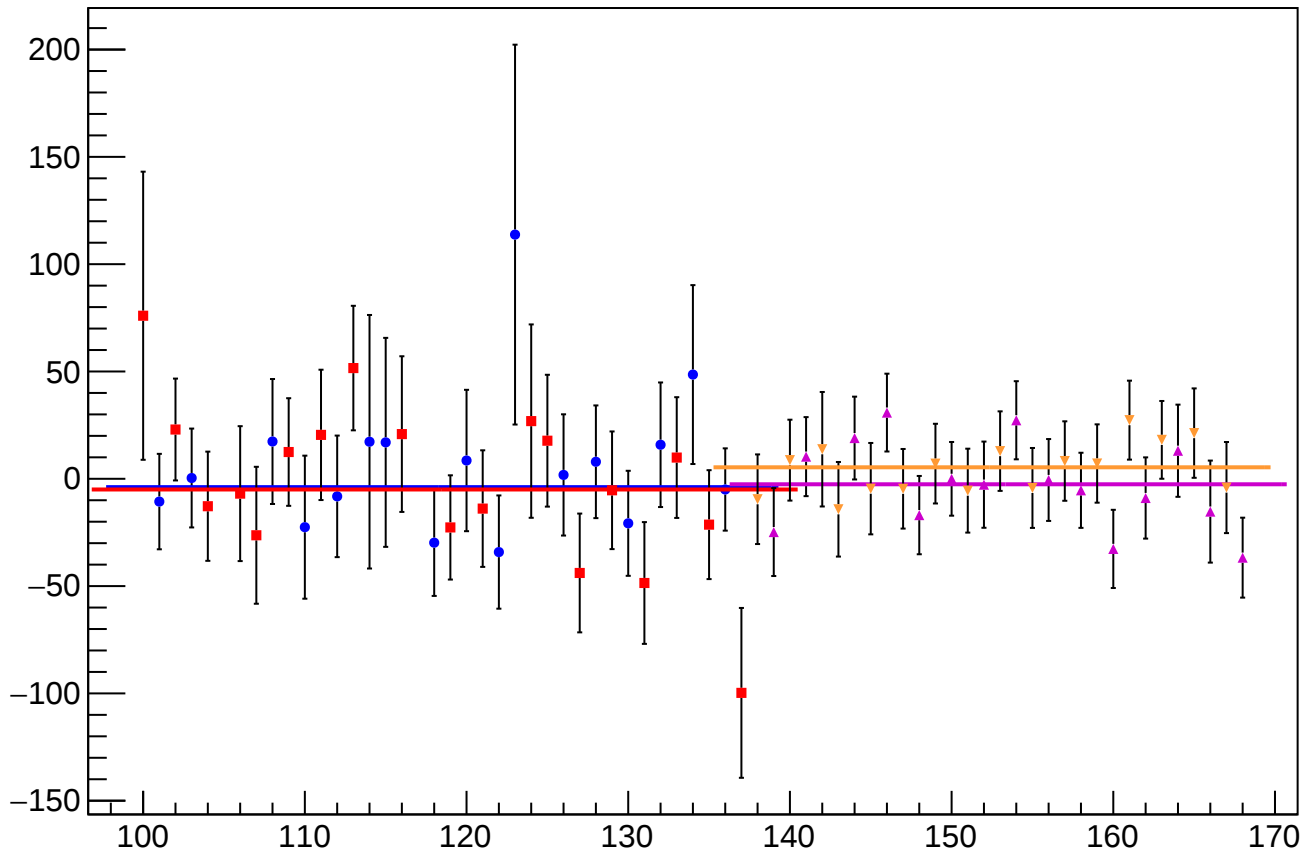
Left In: 177.673 $\pm$ 0.039 χ^2 /NDF:1444049.6/14

+ sign 211.011 $\pm$ 0.036 χ^2 /NDF: 2129848.2/32

All: 190.502 $\pm$ 0.023 χ^2 /NDF: 5727106.1/66

- sign 175.805 $\pm$ 0.031 χ^2 /NDF: 3047055.6/33

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 $\pm$ 6.915 χ^2/NDF : 8.4/16

Left Out: 5.351 $\pm$ 4.912 χ^2/NDF : 5.4/15

Right Out: -4.985 $\pm$ 6.727 χ^2/NDF : 21.3/18

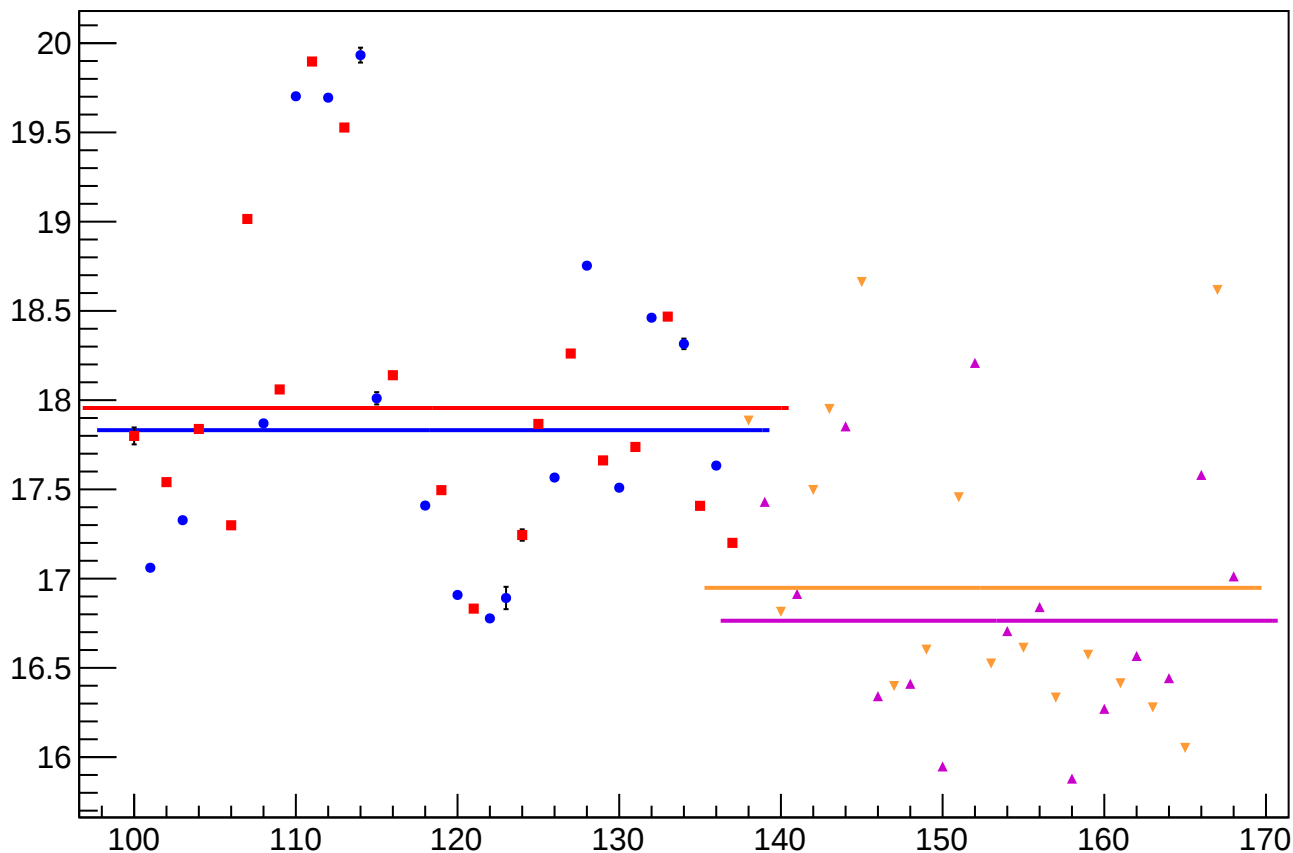
Left In: -2.559 $\pm$ 4.903 χ^2/NDF : 16.7/14

+ sign 2.251 $\pm$ 4.005 χ^2/NDF : 15.0/32

All: -0.605 $\pm$ 2.817 χ^2/NDF : 54.1/66

- sign -3.401 $\pm$ 3.962 χ^2/NDF : 38.1/33

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: 16.948 $\pm$ 0.003 χ^2 /NDF: 51101.6/15

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

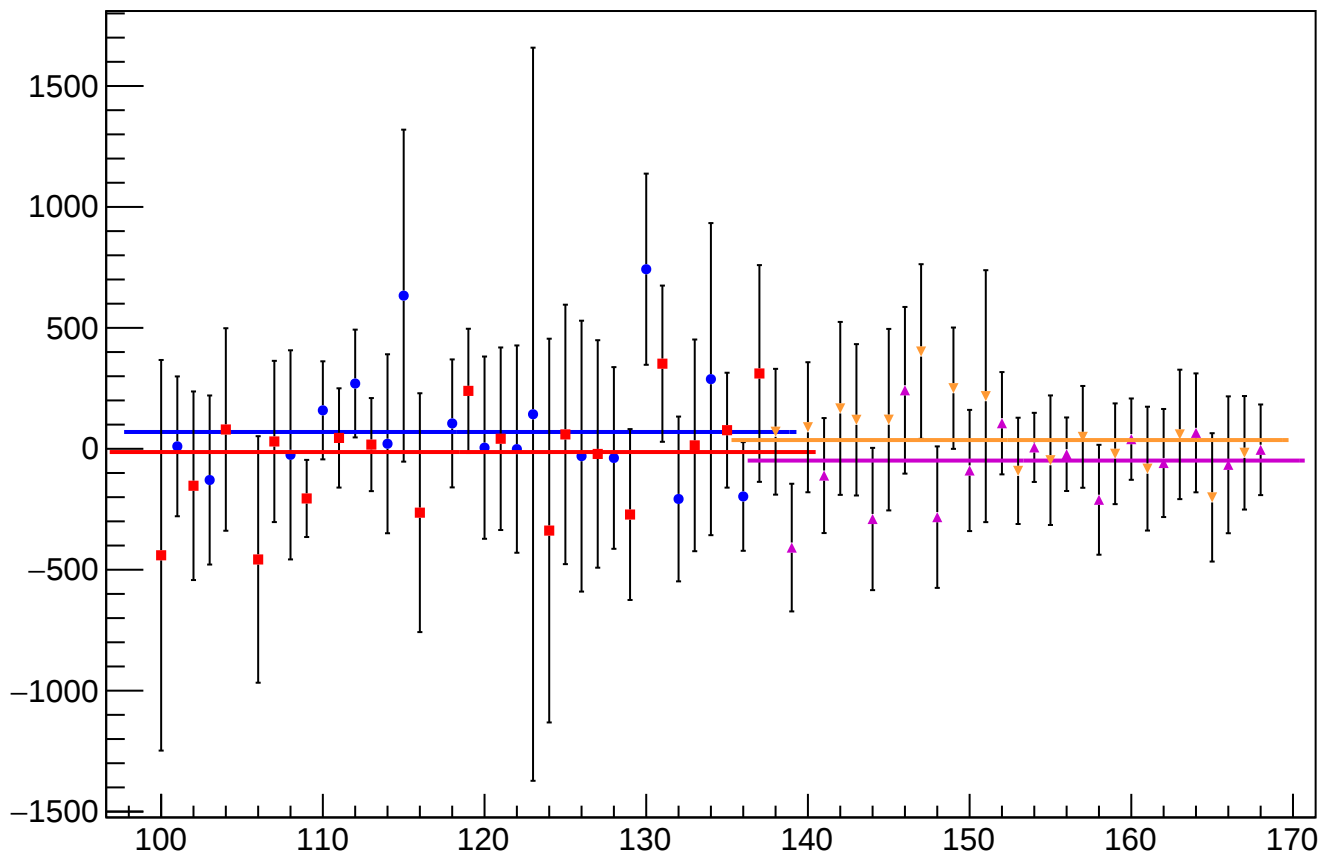
Left In: 16.764 $\pm$ 0.003 χ^2 /NDF: 35341.3/14

+ sign 17.245 $\pm$ 0.003 χ^2 /NDF: 103655.5/32

All: 17.211 $\pm$ 0.002 χ^2 /NDF: 205734.1/66

- sign 17.178 $\pm$ 0.003 χ^2 /NDF: 101795.2/33

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 36.131+/-66.985 χ^2/NDF : 3.8/15

Right Out: -13.410+/-71.041 χ^2/NDF : 6.7/18

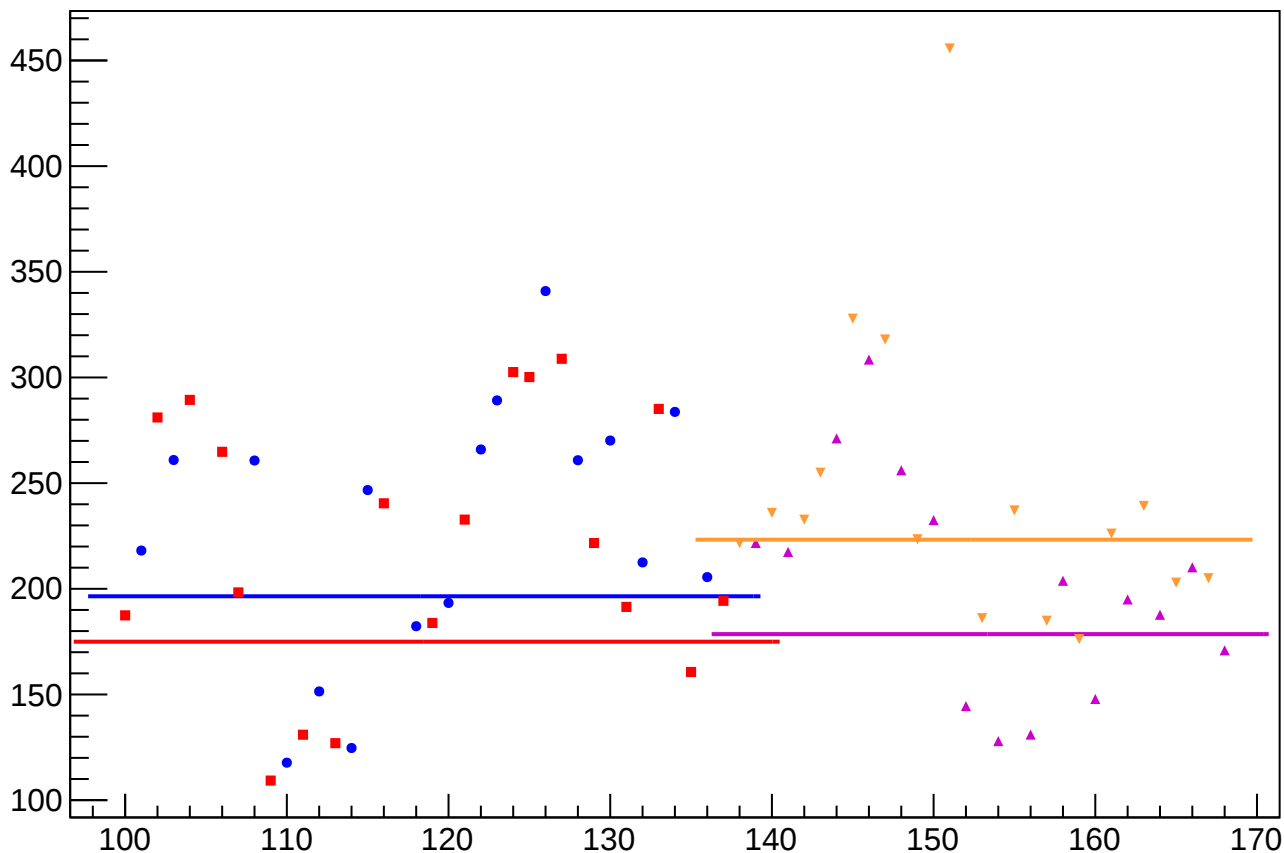
Left In: -48.677+/-55.338 χ^2/NDF : 5.8/14

+ sign 49.778+/-51.503 χ^2/NDF : 11.3/32

All: 0.236+/-33.302 χ^2/NDF : 25.5/66

- sign -35.359+/-43.656 χ^2/NDF : 12.6/33

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: 223.248 $\pm$ 0.047 χ^2 /NDF: 979873.6/15

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

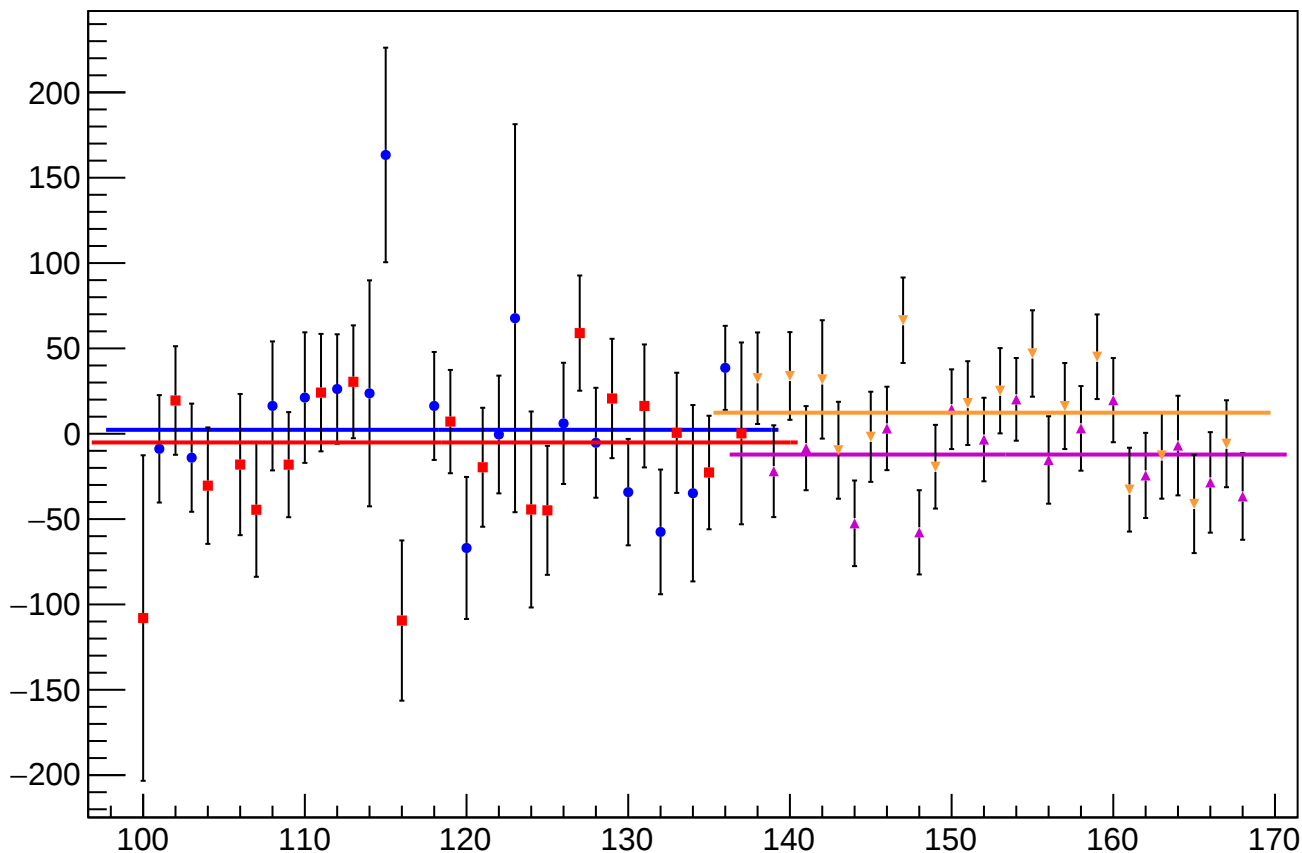
Left In: 178.566 $\pm$ 0.039 χ^2 /NDF: 1454478.5/14

+ sign 212.301 $\pm$ 0.036 χ^2 /NDF: 2074821.3/32

All: 191.882 $\pm$ 0.024 χ^2 /NDF: 5583746.3/66

- sign 177.212 $\pm$ 0.031 χ^2 /NDF: 2968750.8/33

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 χ^2/NDF : 18.1/16

Left Out: 12.345 ± 6.501 χ^2/NDF : 21.1/15

Right Out: -5.089 ± 8.479 χ^2/NDF : 17.1/18

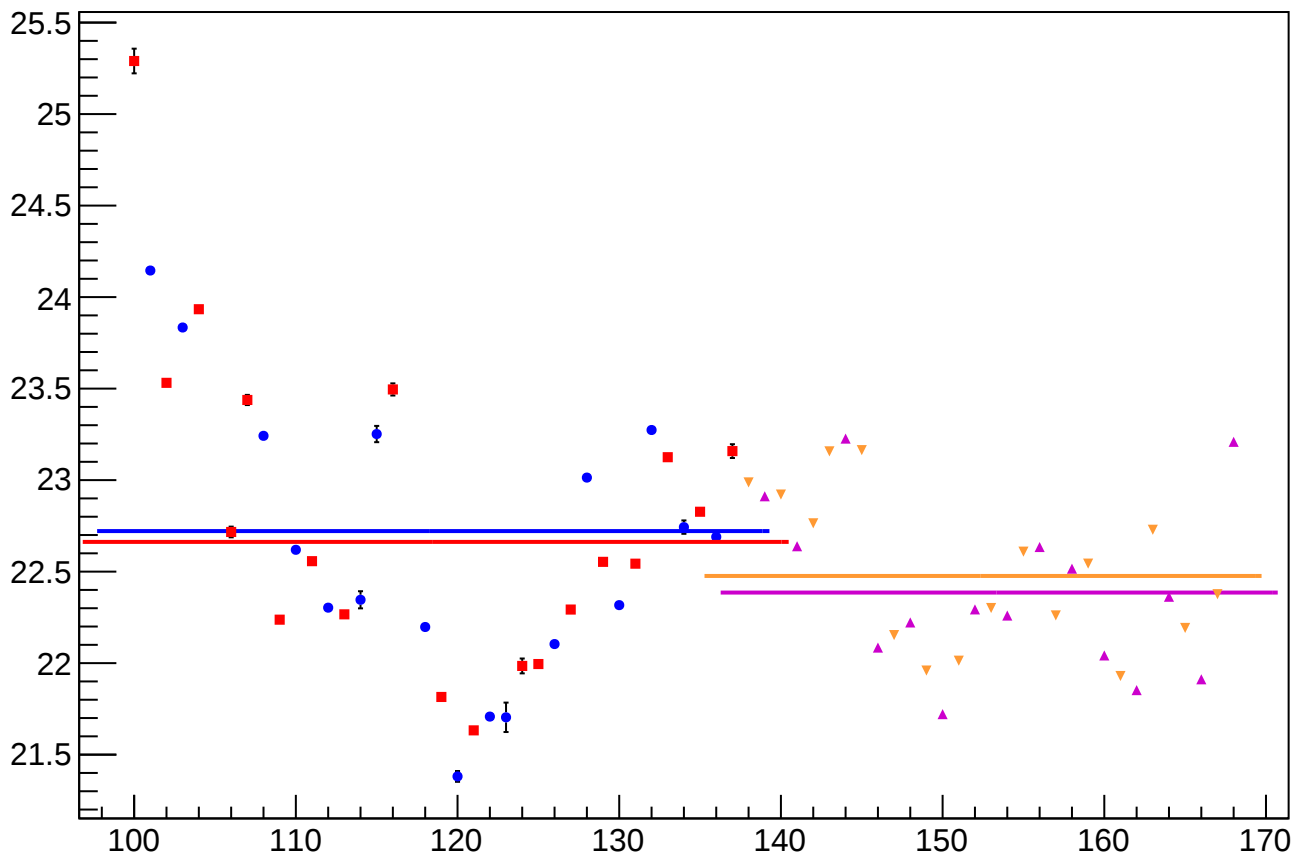
Left In: -12.182 ± 6.534 χ^2/NDF : 13.3/14

+ sign 8.804 ± 5.230 χ^2/NDF : 40.0/32

All: -0.463 ± 3.679 χ^2/NDF : 77.2/66

- sign -9.540 ± 5.176 χ^2/NDF : 30.9/33

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13580.6/16

Left Out: 22.476 $\pm$ 0.005 χ^2 /NDF: 7631.6/15

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

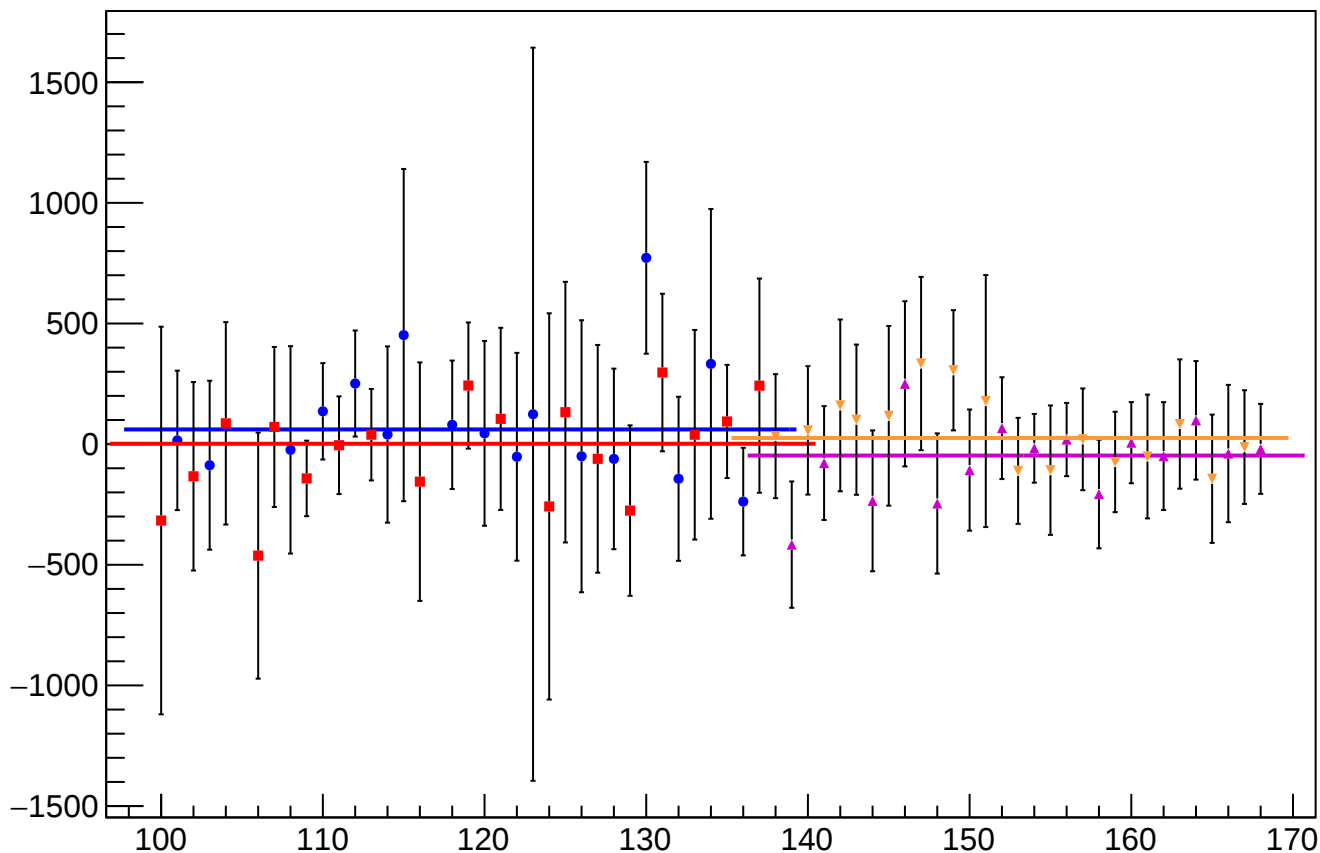
Left In: 22.386 $\pm$ 0.005 χ^2 /NDF: 9484.9/14

+ sign 22.563 $\pm$ 0.004 χ^2 /NDF: 22215.8/32

All: 22.525 $\pm$ 0.003 χ^2 /NDF: 46196.7/66

- sign 22.489 $\pm$ 0.004 χ^2 /NDF: 23778.0/33

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960+/-80.197 χ^2/NDF : 7.2/16

Left Out: 25.603+/-66.858 χ^2/NDF : 3.8/15

Right Out: 1.647+/-70.549 χ^2/NDF : 5.2/18

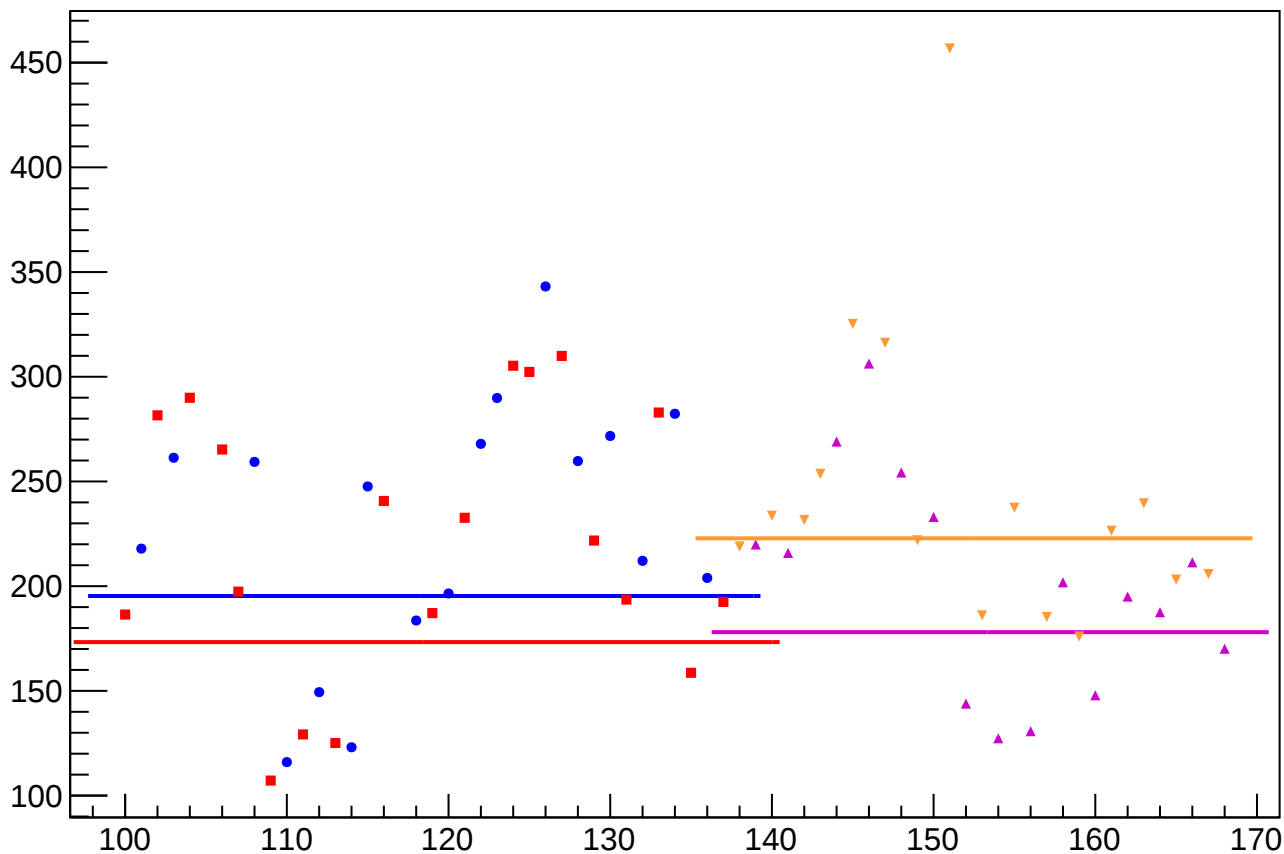
Left In: -47.276+/-55.172 χ^2/NDF : 5.2/14

+ sign 40.101+/-51.353 χ^2/NDF : 11.1/32

All: 0.007+/-33.175 χ^2/NDF : 22.9/66

- sign -28.710+/-43.460 χ^2/NDF : 10.7/33

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: 222.849 $\pm$ 0.047 χ^2 /NDF:969078.7/15

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

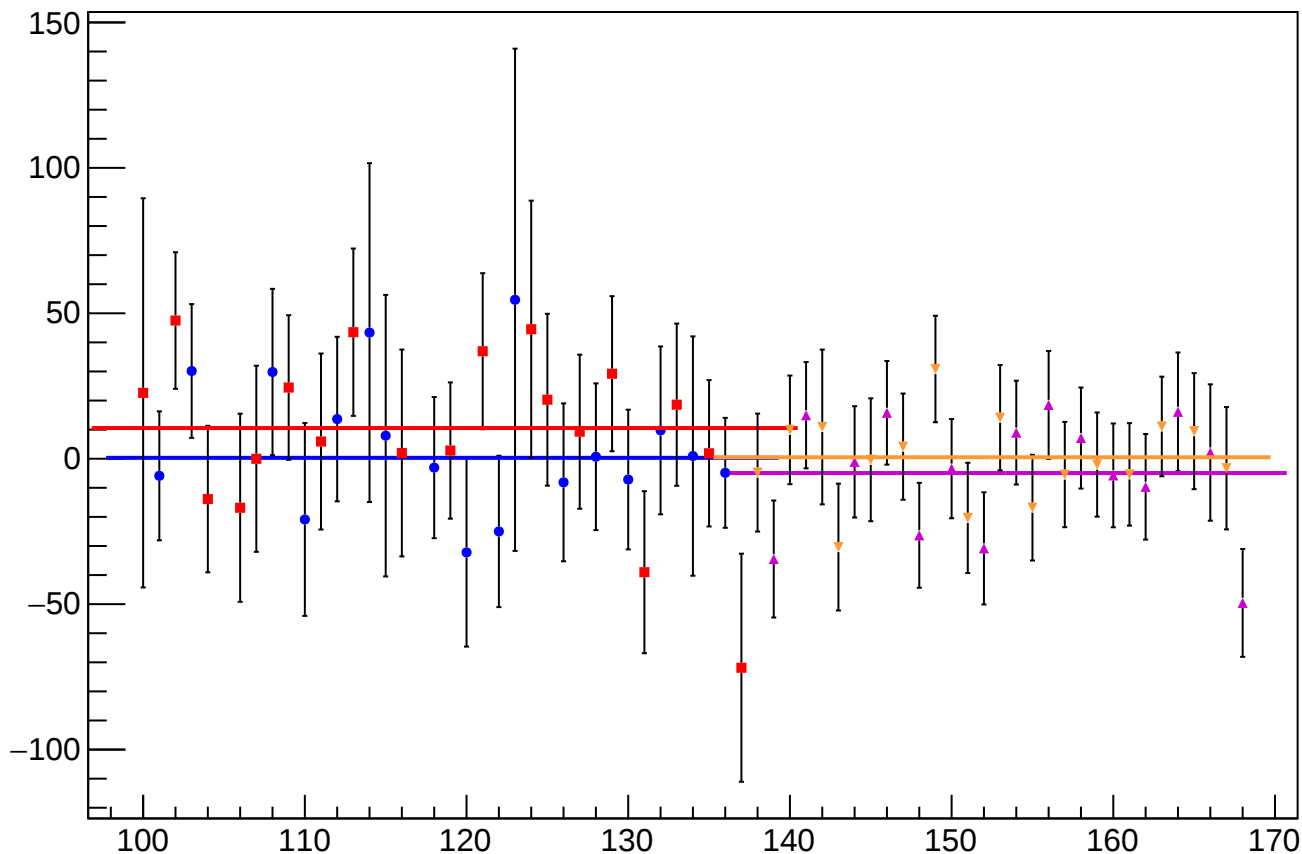
Left In: 178.031 $\pm$ 0.039 χ^2 /NDF:1443901.7/14

+ sign 211.560 $\pm$ 0.036 χ^2 /NDF: 2112372.1/32

All: 190.974 $\pm$ 0.023 χ^2 /NDF: 5691832.5/66

- sign 176.230 $\pm$ 0.031 χ^2 /NDF: 3027901.5/33

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: 0.500 ± 4.796 χ^2/NDF : 8.8/15

Right Out: 10.553 ± 6.628 χ^2/NDF : 16.0/18

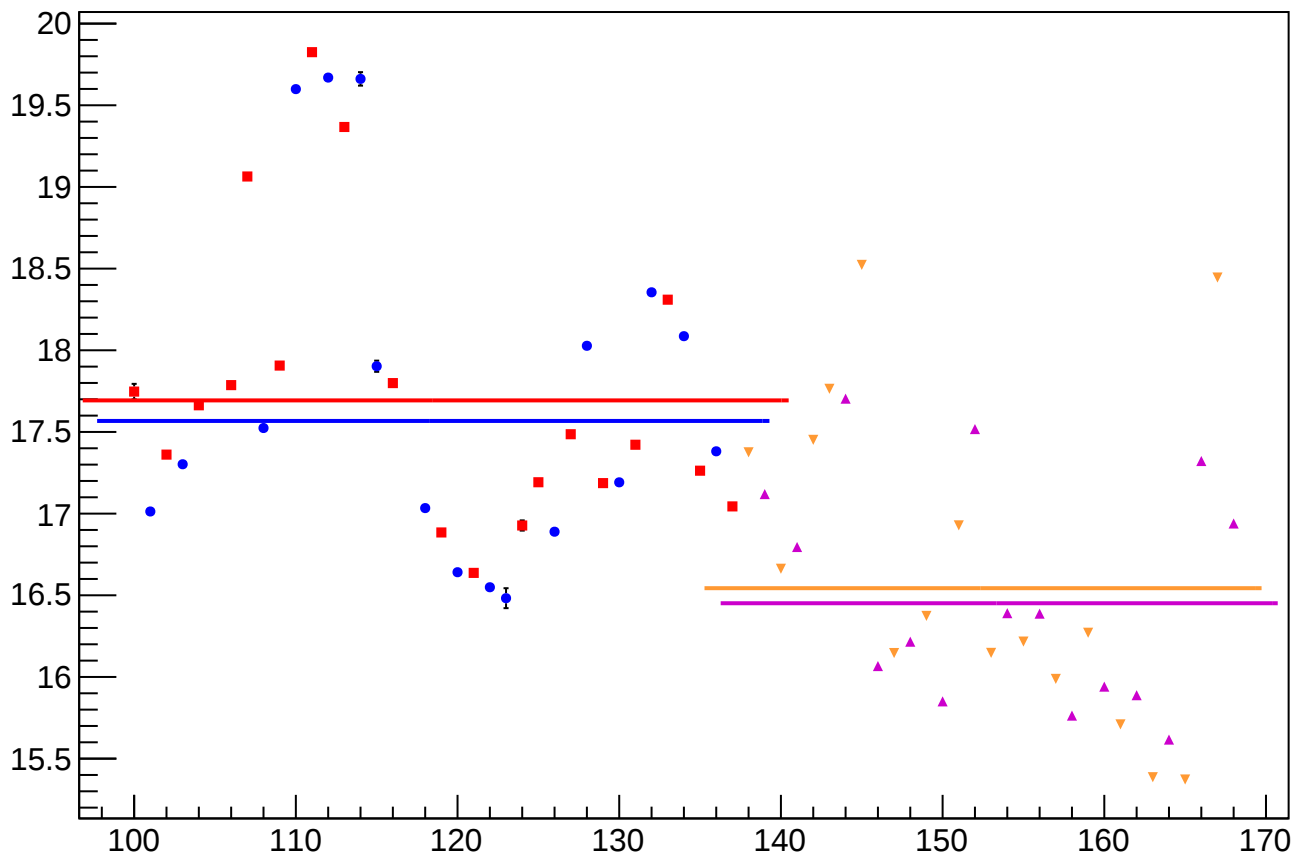
Left In: -4.922 ± 4.810 χ^2/NDF : 17.7/14

+ sign 0.435 ± 3.921 χ^2/NDF : 15.6/32

All: 0.426 ± 2.763 χ^2/NDF : 52.9/66

- sign 0.417 ± 3.893 χ^2/NDF : 37.3/33

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: 16.544 $\pm$ 0.003 χ^2 /NDF: 72355.3/15

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

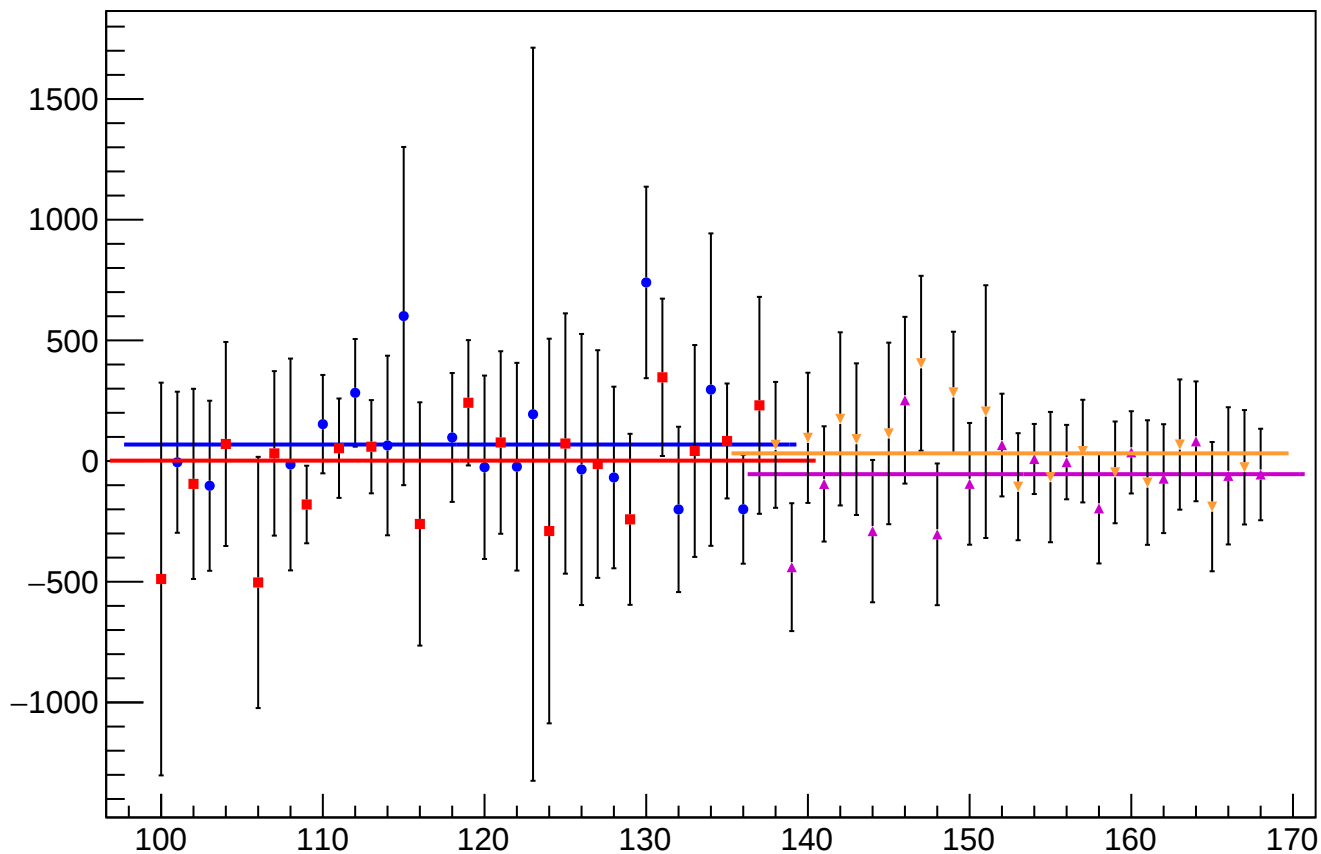
Left In: 16.451 $\pm$ 0.003 χ^2 /NDF: 35595.2/14

+ sign 16.883 $\pm$ 0.003 χ^2 /NDF: 135708.9/32

All: 16.881 $\pm$ 0.002 χ^2 /NDF: 248061.1/66

- sign 16.880 $\pm$ 0.003 χ^2 /NDF: 112351.7/33

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: 31.983 ± 67.472 χ^2/NDF : 4.1/15

Right Out: 1.831 ± 71.538 χ^2/NDF : 6.1/18

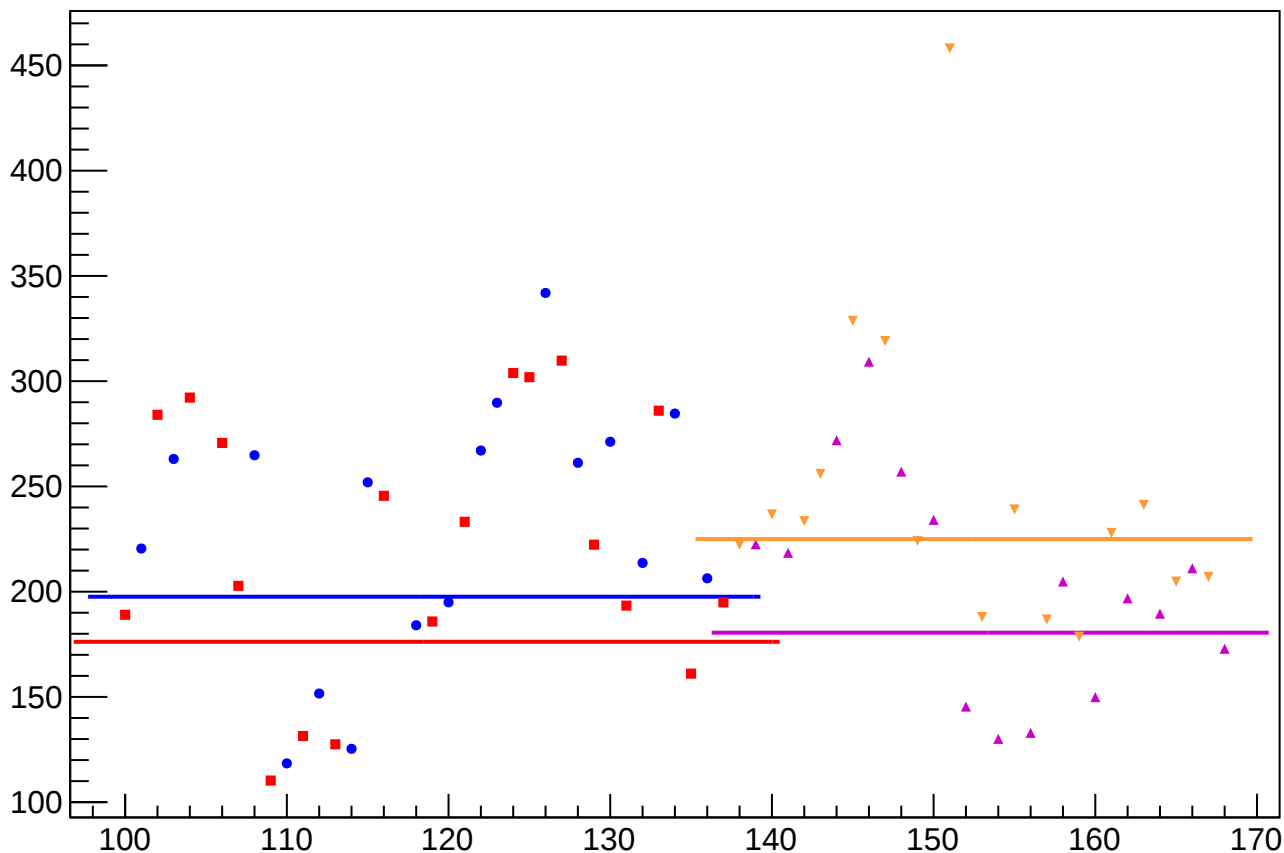
Left In: -54.268 ± 55.880 χ^2/NDF : 5.9/14

+ sign 46.960 ± 51.847 χ^2/NDF : 11.6/32

All: 0.504 ± 33.564 χ^2/NDF : 25.4/66

- sign -33.010 ± 44.037 χ^2/NDF : 12.4/33

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: 225.003 $\pm$ 0.048 χ^2 /NDF: 960553.6/15

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

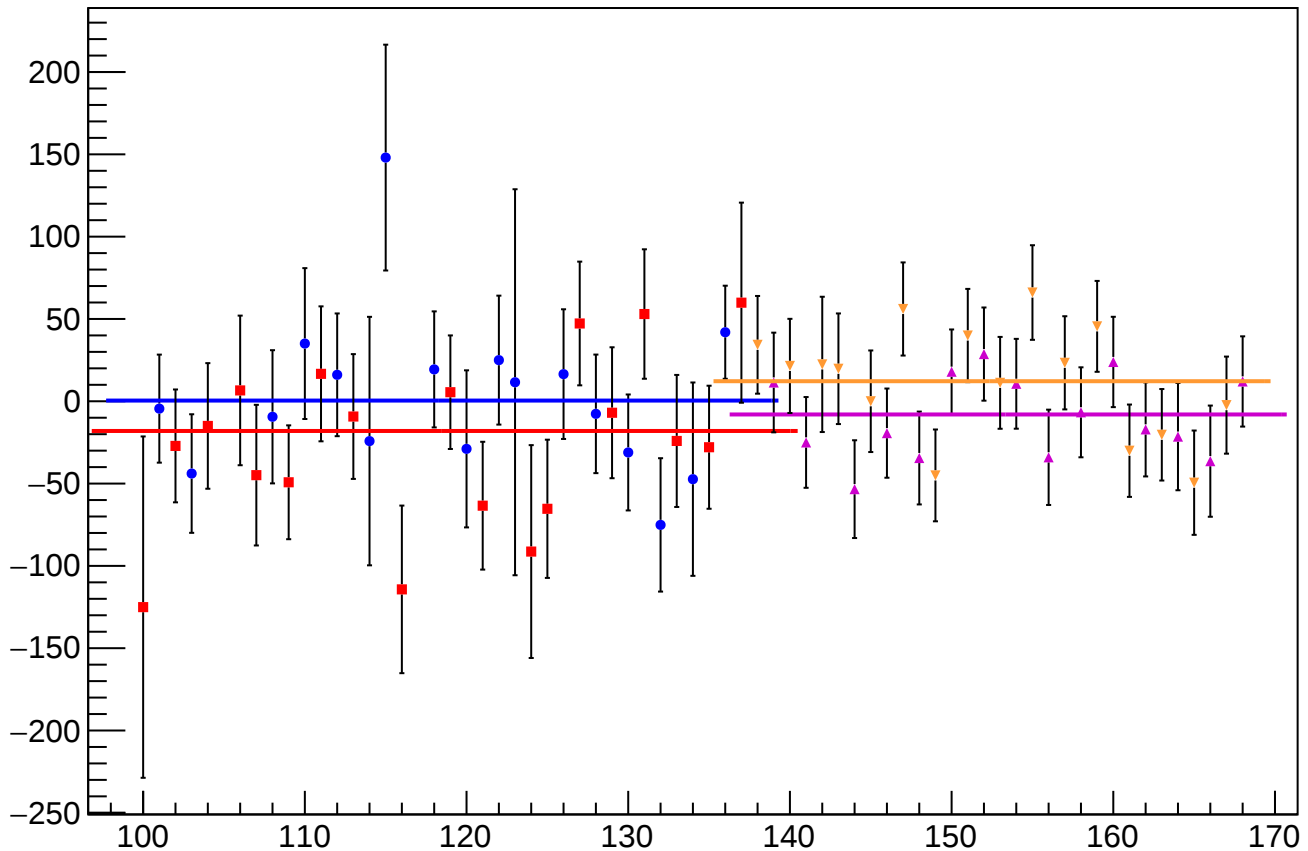
Left In: 180.527 $\pm$ 0.040 χ^2 /NDF: 1409996.2/14

+ sign 213.782 $\pm$ 0.037 χ^2 /NDF: 2064453.1/32

All: 193.512 $\pm$ 0.024 χ^2 /NDF: 5525101.8/66

- sign 178.888 $\pm$ 0.031 χ^2 /NDF: 2934369.6/33

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 ± 9.884 χ^2/NDF : 15.5/16

Left Out: 12.185 ± 7.364 χ^2/NDF : 21.3/15

Right Out: -18.044 ± 9.499 χ^2/NDF : 19.5/18

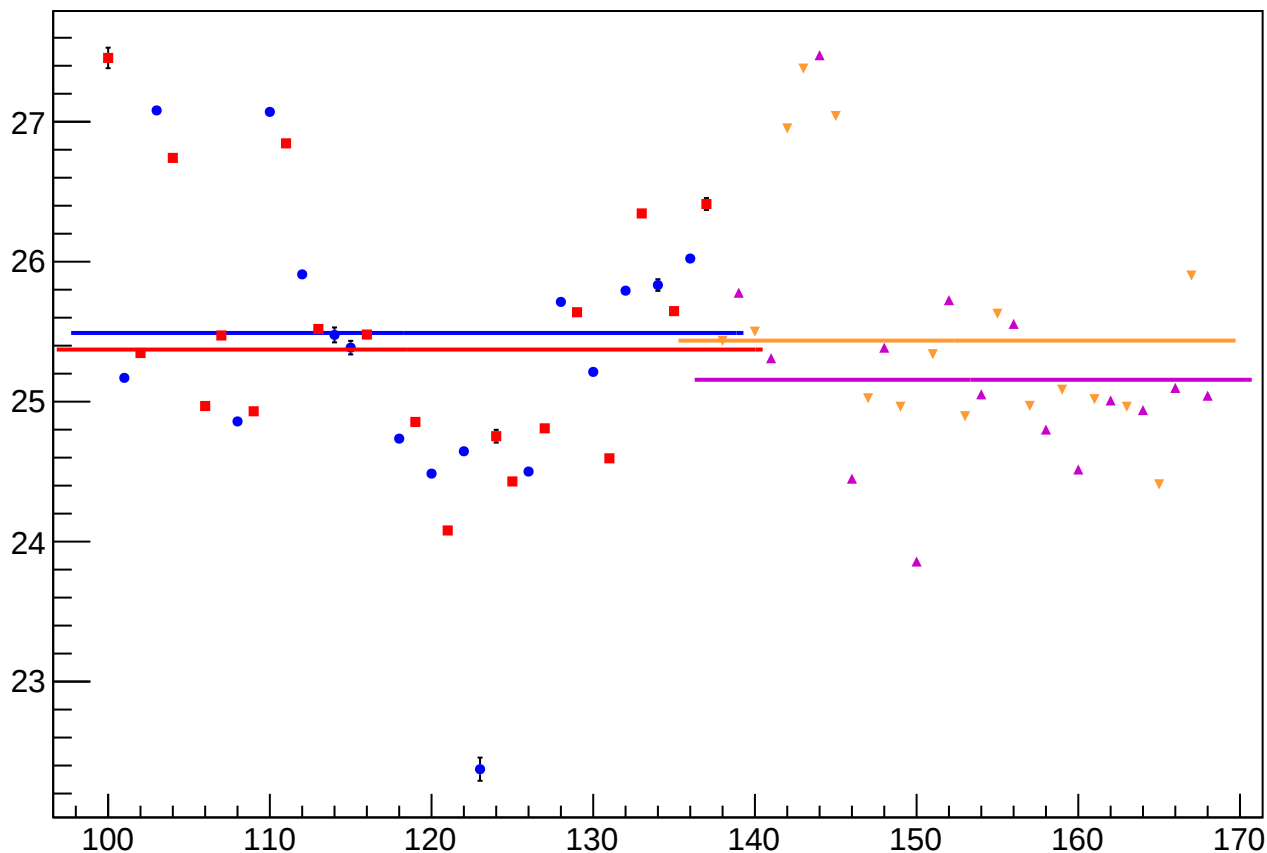
Left In: -8.017 ± 7.351 χ^2/NDF : 11.0/14

+ sign 7.988 ± 5.905 χ^2/NDF : 37.7/32

All: -2.047 ± 4.143 χ^2/NDF : 74.5/66

- sign -11.773 ± 5.814 χ^2/NDF : 31.2/33

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: 25.436 $\pm$ 0.005 χ^2 /NDF: 21186.0/15

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

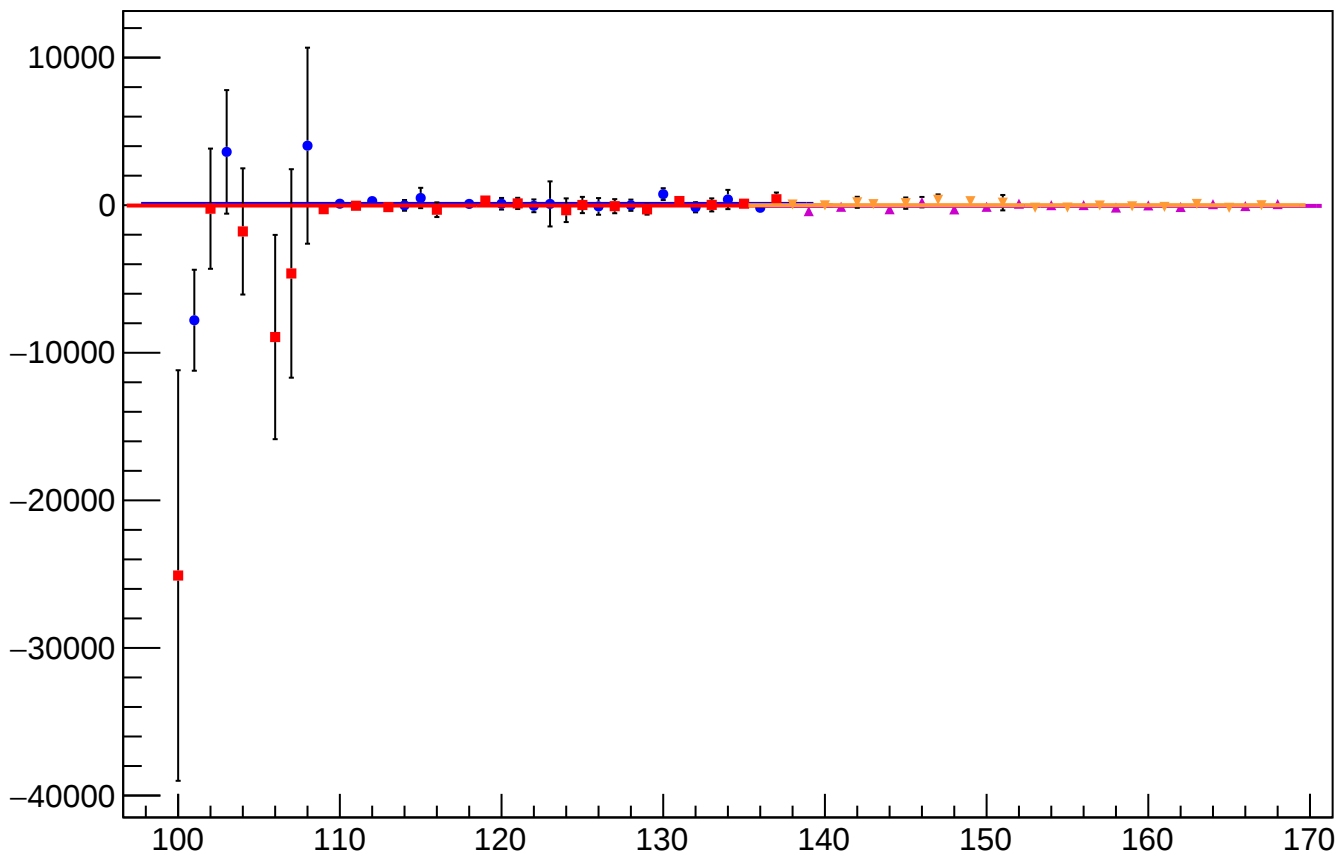
Left In: 25.156 $\pm$ 0.005 χ^2 /NDF: 22546.6/14

+ sign 25.456 $\pm$ 0.004 χ^2 /NDF: 34938.4/32

All: 25.345 $\pm$ 0.003 χ^2 /NDF: 73072.2/66

- sign 25.237 $\pm$ 0.004 χ^2 /NDF: 36743.2/33

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558 $\pm$ 88.423 χ^2 /NDF: 12.5/16

Left Out: -0.005 $\pm$ 67.924 χ^2 /NDF: 4.5/15

Right Out: -23.352 $\pm$ 80.948 χ^2 /NDF: 11.9/18

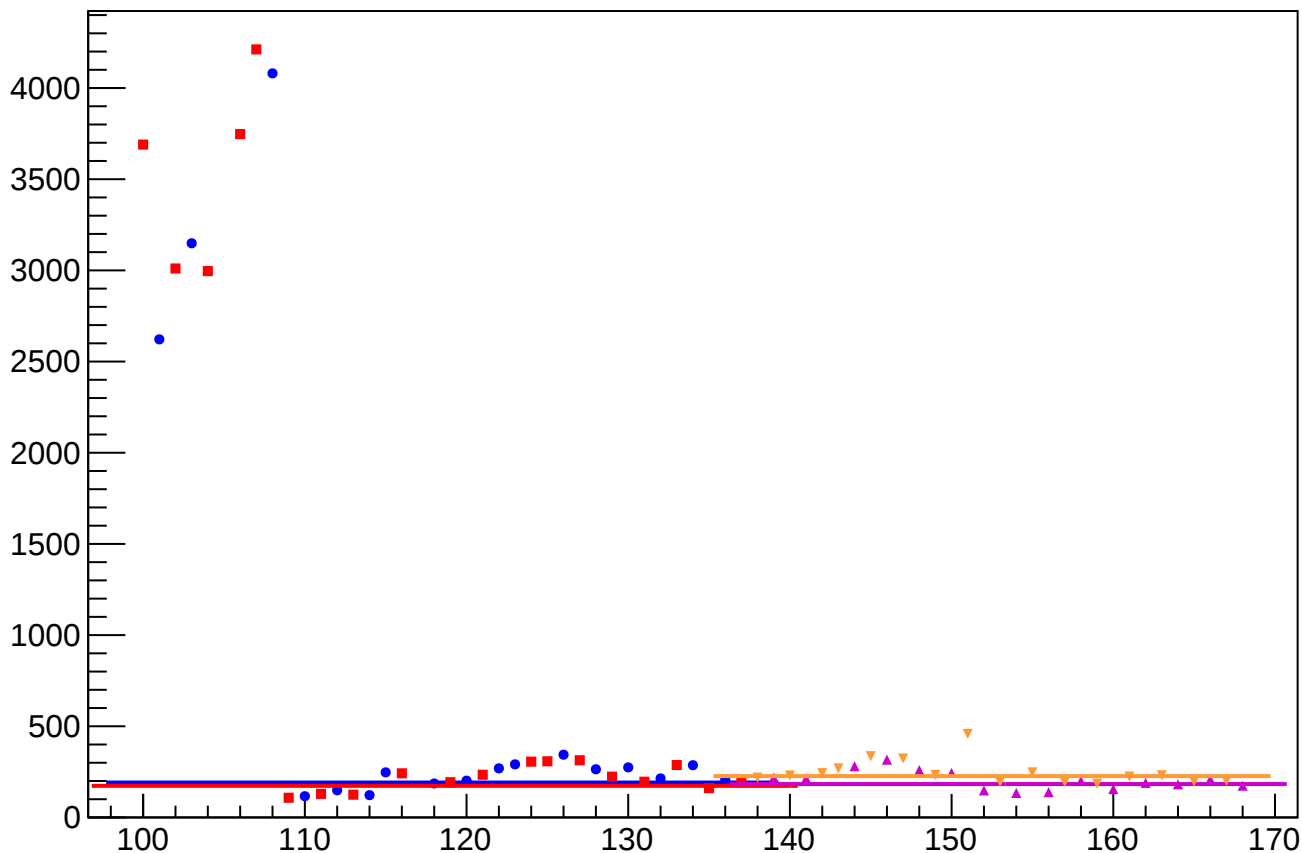
Left In: -47.993 $\pm$ 56.541 χ^2 /NDF: 5.5/14

+ sign 32.118 $\pm$ 53.866 χ^2 /NDF: 17.6/32

All: -9.267 $\pm$ 35.135 χ^2 /NDF: 36.0/66

- sign -39.913 $\pm$ 46.353 χ^2 /NDF: 17.4/33

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: 226.672 ± 0.048 χ^2/NDF : 954450.5/15

Right Out: 173.297 ± 0.057 χ^2/NDF : 4207424.0/18

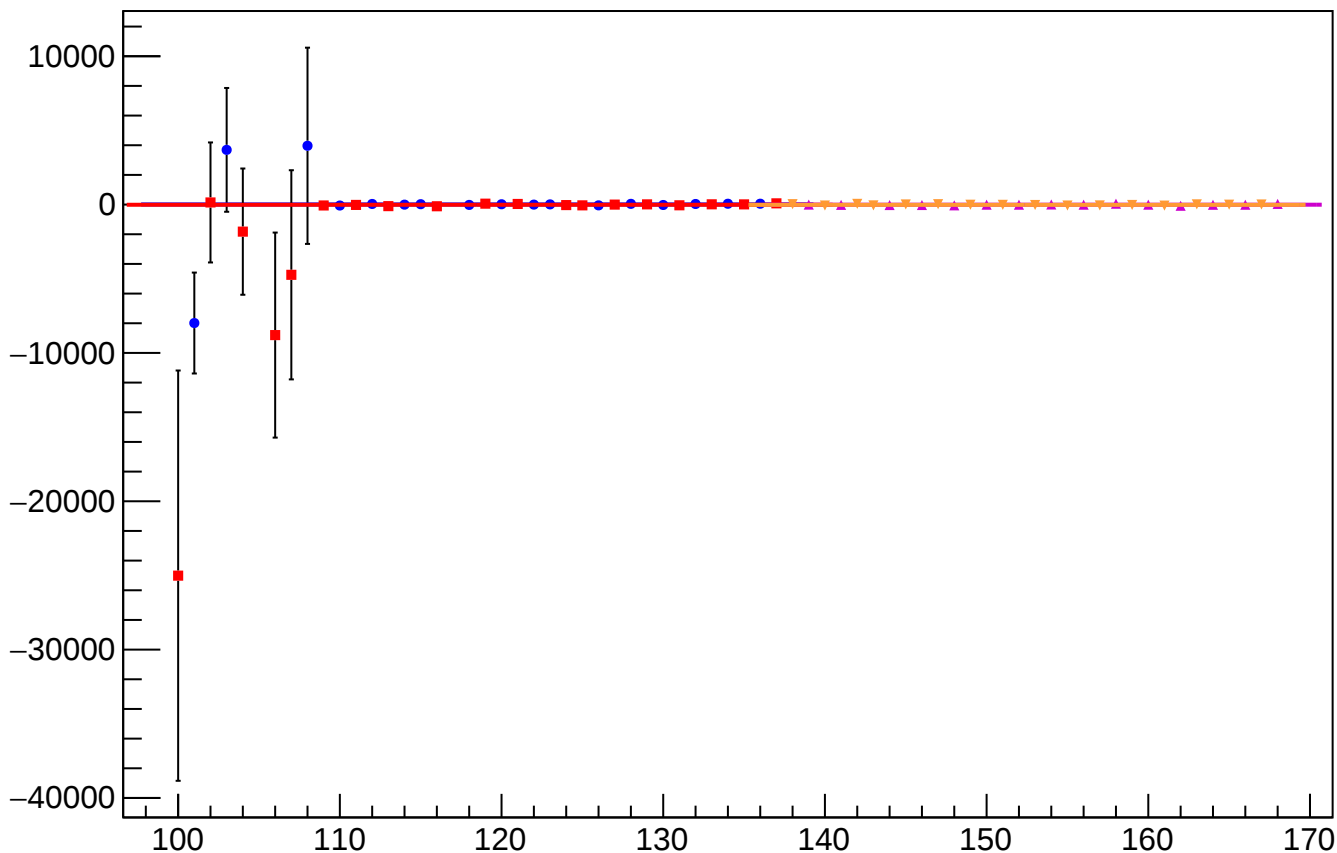
Left In: 183.182 ± 0.040 χ^2/NDF : 1304308.3/14

+ sign 213.612 ± 0.038 χ^2/NDF : 4726864.5/32

All: 194.266 ± 0.025 χ^2/NDF : 10707623.5/60

- sign 179.941 ± 0.033 χ^2/NDF : 5531776.3/33

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: -17.592+/-8.420 χ^2/NDF : 16.6/15

Right Out: -12.668+/-12.232 χ^2/NDF : 24.8/18

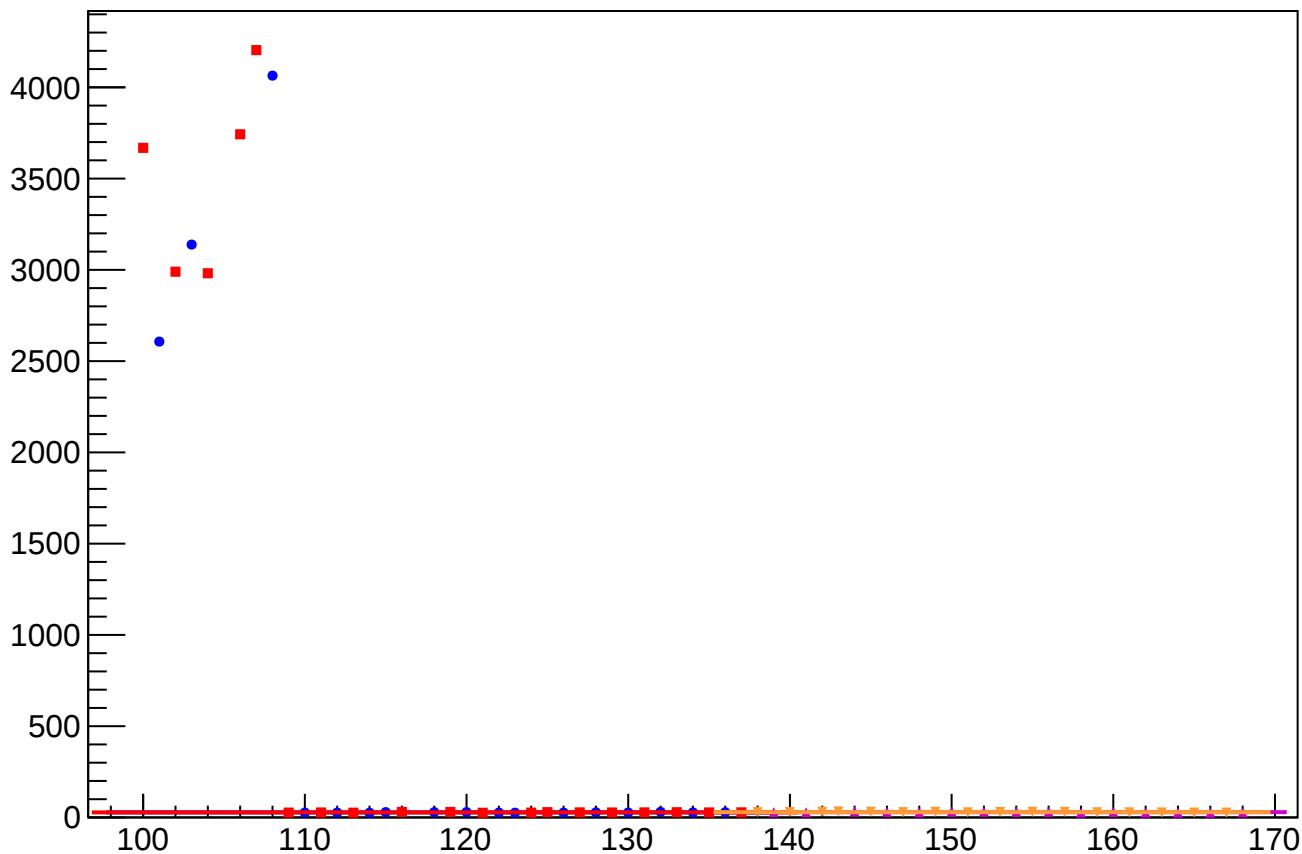
Left In: -8.730+/-8.478 χ^2/NDF : 17.2/14

+ sign -8.678+/-6.945 χ^2/NDF : 38.5/32

All: -9.341+/-4.919 χ^2/NDF : 80.6/66

- sign -10.008+/-6.968 χ^2/NDF : 42.1/33

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: 29.020+/-0.006 χ^2/NDF : 92056.0/15

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

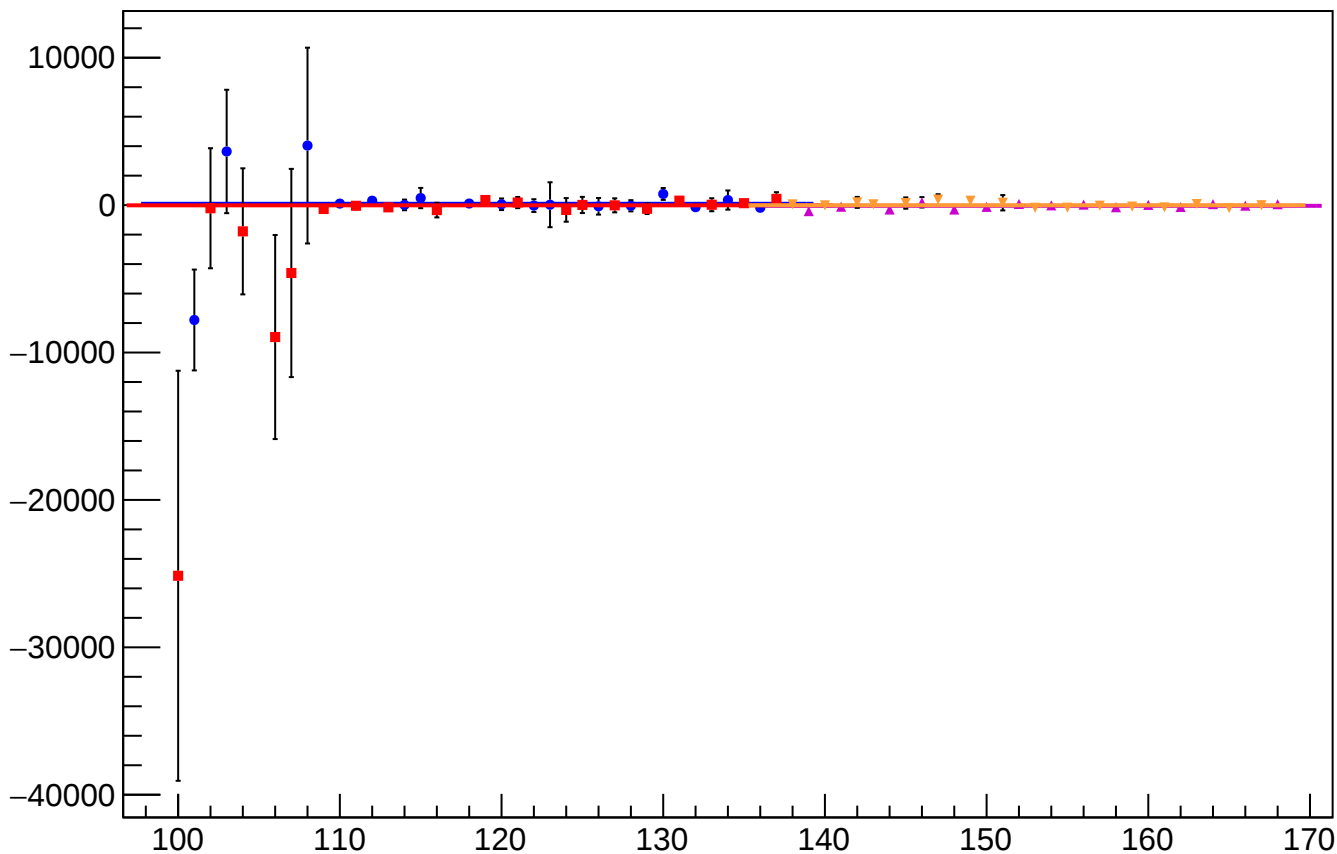
Left In: 28.929+/-0.006 χ^2/NDF : 108281.9/14

+ sign 28.648+/-0.005 χ^2/NDF : 3131979.8/32

All: 28.588+/-0.003 χ^2/NDF : 6731165.2/66

- sign 28.529+/-0.005 χ^2/NDF : 3598892.0/33

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: -8.114+/-67.775 χ^2/NDF : 5.2/15

Right Out: -13.341+/-80.686 χ^2/NDF : 12.7/18

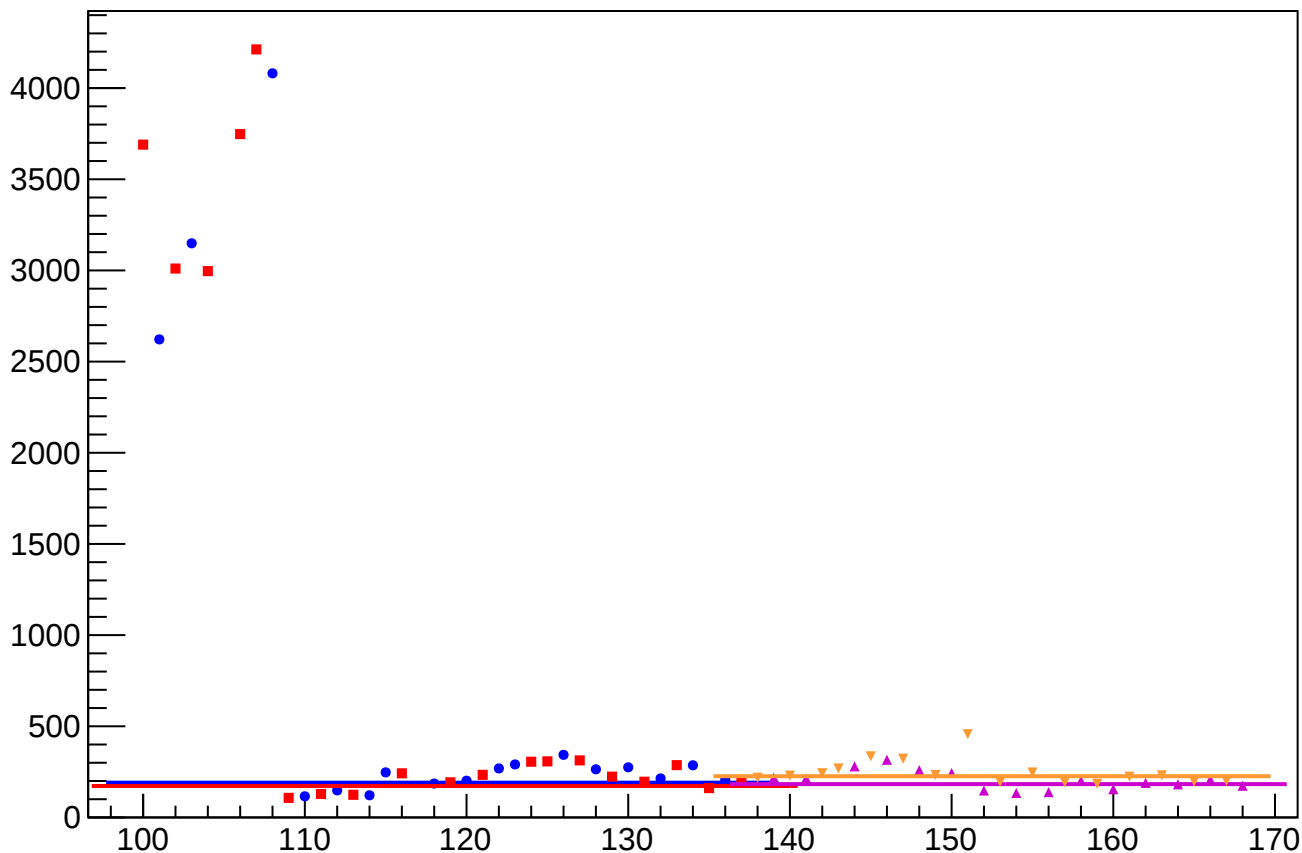
Left In: -46.582+/-56.431 χ^2/NDF : 5.6/14

+ sign 28.626+/-53.730 χ^2/NDF : 18.7/32

All: -8.306+/-35.049 χ^2/NDF : 37.9/66

- sign -35.663+/-46.243 χ^2/NDF : 18.4/33

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770 $\pm$ 0.062 χ^2 /NDF: 3585034.0/16

Left Out: 226.180 $\pm$ 0.048 χ^2 /NDF: 954315.8/15

Right Out: 172.629 $\pm$ 0.057 χ^2 /NDF: 4218625.1/18

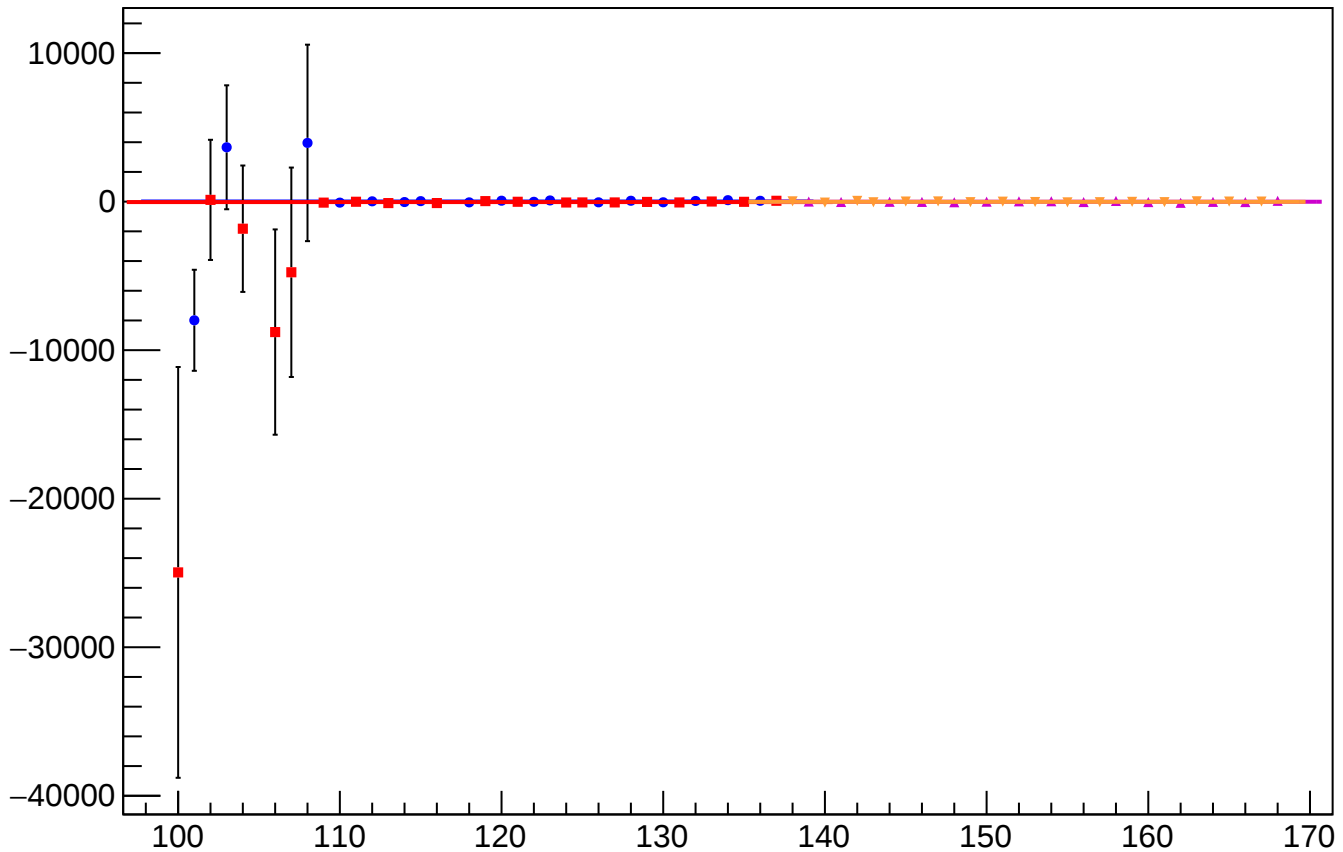
Left In: 182.829 $\pm$ 0.040 χ^2 /NDF: 1304074.2/14

+ sign 213.024 $\pm$ 0.038 χ^2 /NDF: 4742188.7/32

All: 193.754 $\pm$ 0.025 χ^2 /NDF: 10734193.1/60

- sign 179.479 $\pm$ 0.033 χ^2 /NDF: 5544162.8/33

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: -12.171 $\pm$ 8.486 χ^2 /NDF: 11.4/15

Right Out: -29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

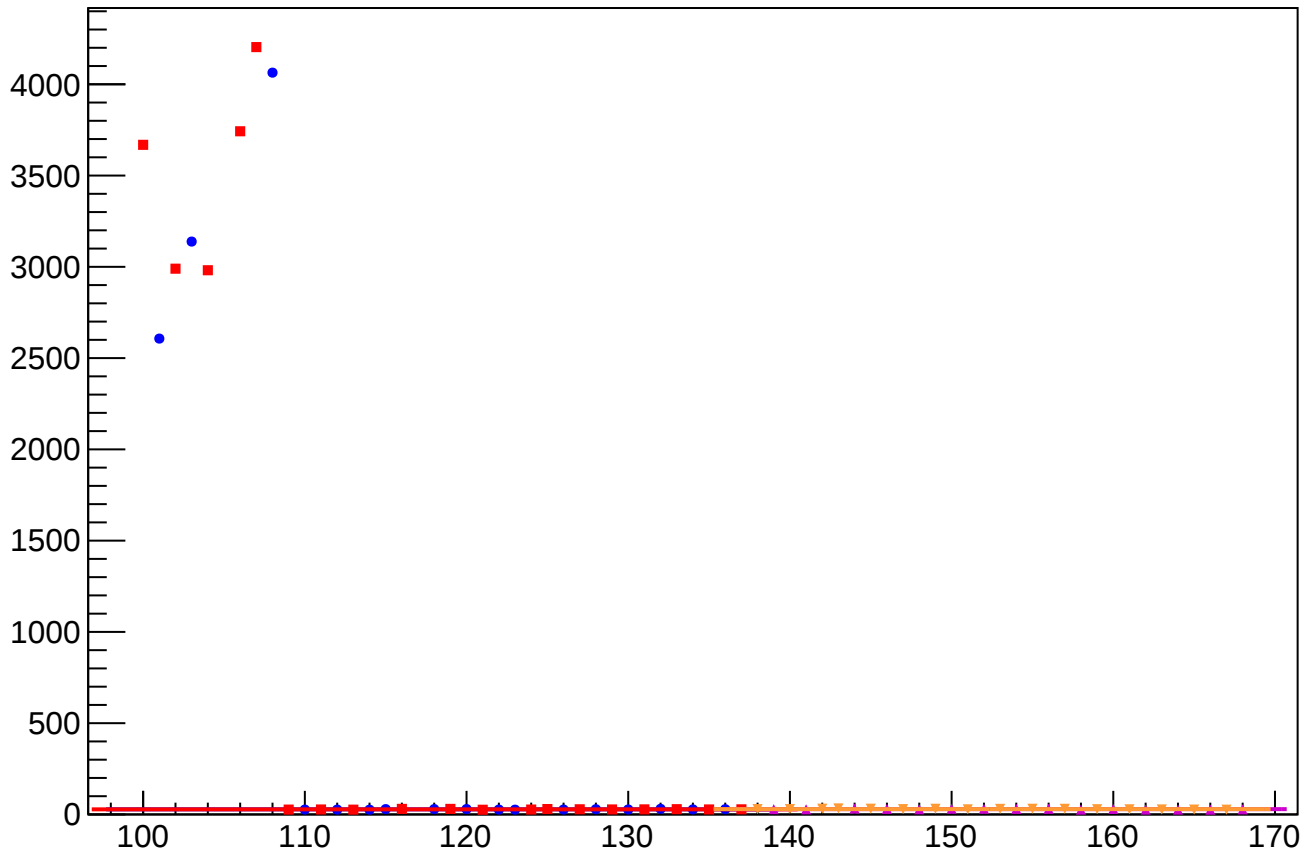
Left In: -7.168 $\pm$ 8.531 χ^2 /NDF: 17.4/14

+ sign -5.522 $\pm$ 6.997 χ^2 /NDF: 36.5/32

All: -9.930 $\pm$ 4.954 χ^2 /NDF: 73.7/66

- sign -14.361 $\pm$ 7.016 χ^2 /NDF: 36.4/33

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: 29.241 $\pm$ 0.006 χ^2 /NDF: 96043.5/15

Right Out: 27.918 $\pm$ 0.009 χ^2 /NDF: 3479690.8/18

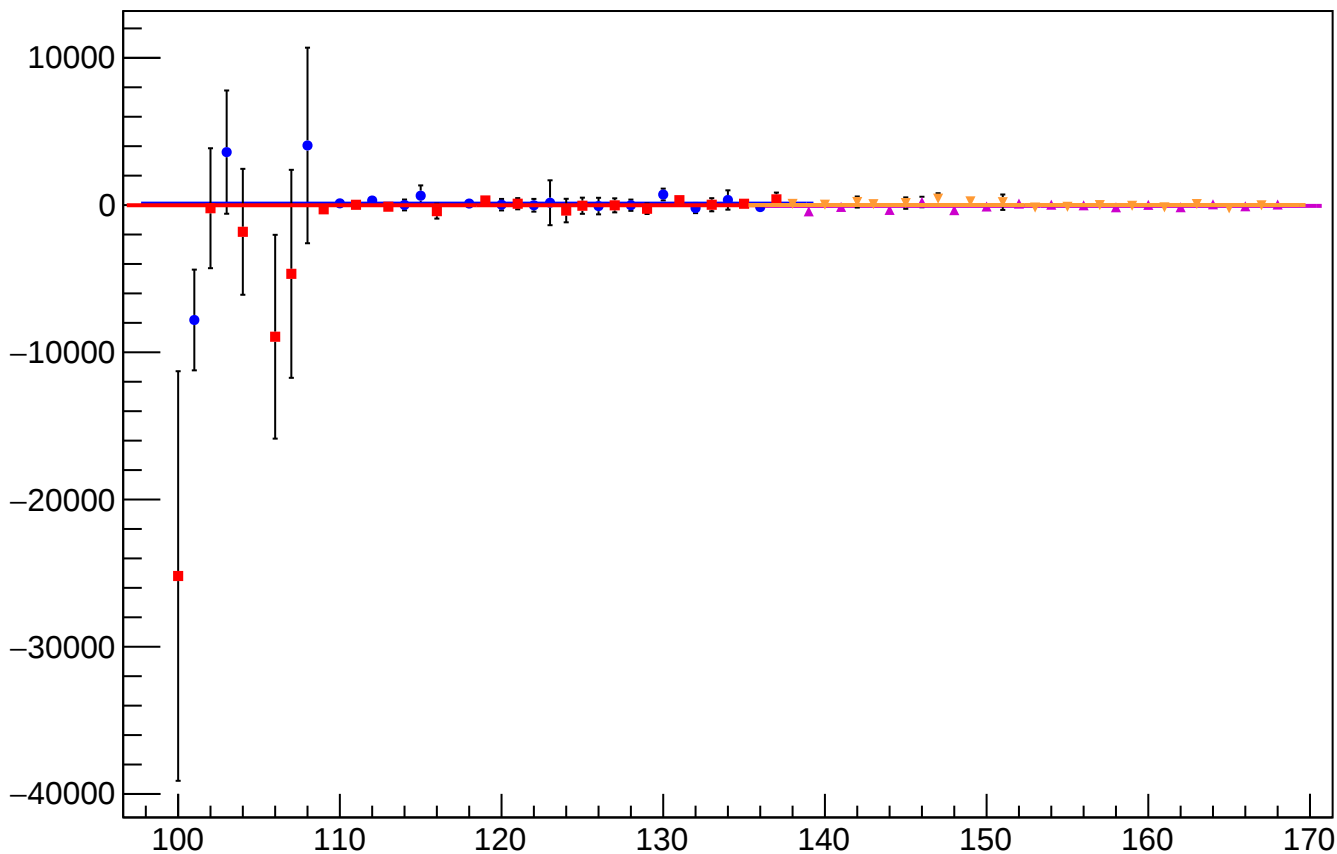
Left In: 29.112 $\pm$ 0.006 χ^2 /NDF: 108721.5/14

+ sign 28.858 $\pm$ 0.005 χ^2 /NDF: 3136679.7/32

All: 28.792 $\pm$ 0.004 χ^2 /NDF: 6738126.9/66

- sign 28.725 $\pm$ 0.005 χ^2 /NDF: 3601091.0/33

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: 5.496 $\pm$ 68.531 χ^2 /NDF: 4.9/15

Right Out: -11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

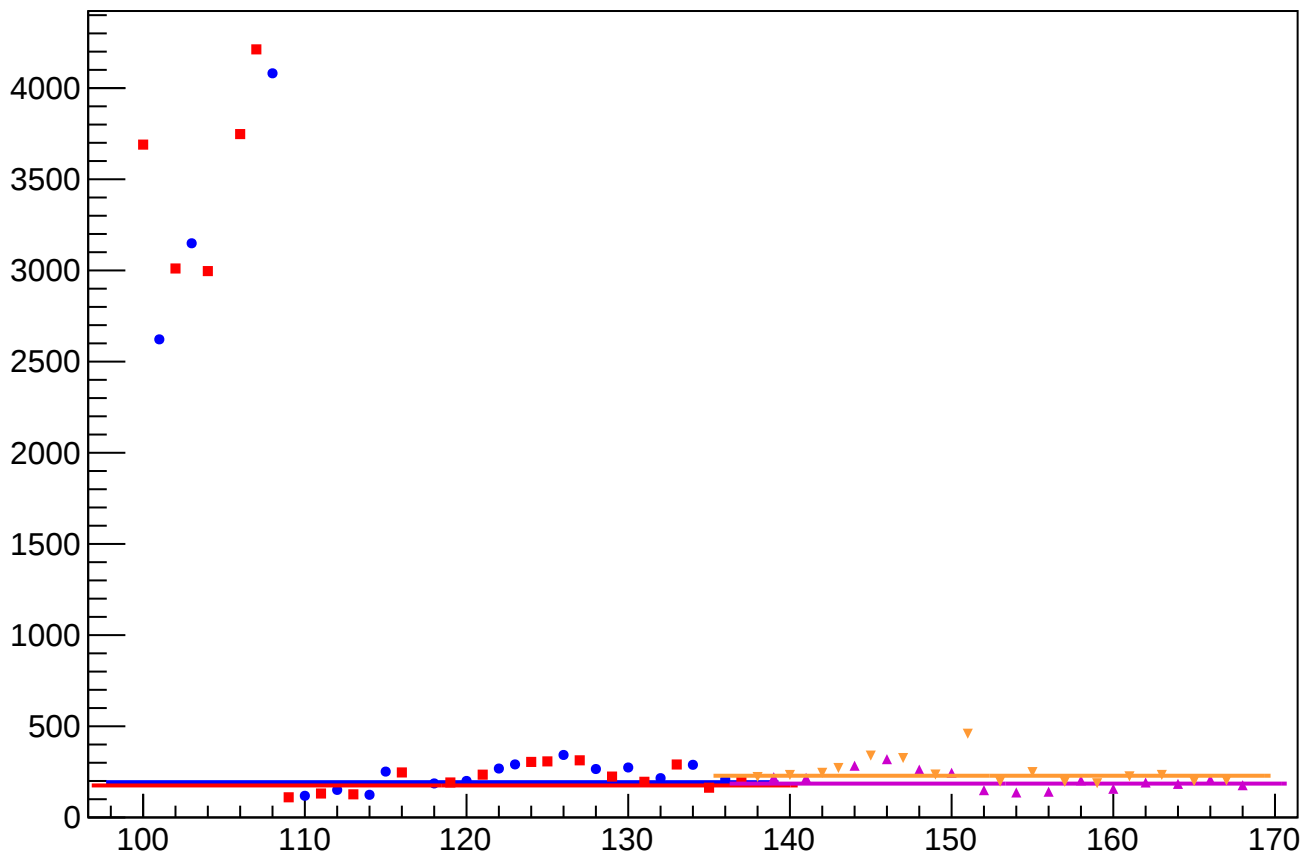
Left In: -55.512 $\pm$ 57.233 χ^2 /NDF: 6.1/14

+ sign 39.882 $\pm$ 54.345 χ^2 /NDF: 18.1/32

All: -6.550 $\pm$ 35.501 χ^2 /NDF: 38.0/66

- sign -41.116 $\pm$ 46.889 χ^2 /NDF: 18.6/33

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516 $\pm$ 0.063 χ^2 /NDF: 3536947.8/16

Left Out: 228.796 $\pm$ 0.048 χ^2 /NDF: 947549.3/15

Right Out: 175.509 $\pm$ 0.058 χ^2 /NDF: 4165575.9/18

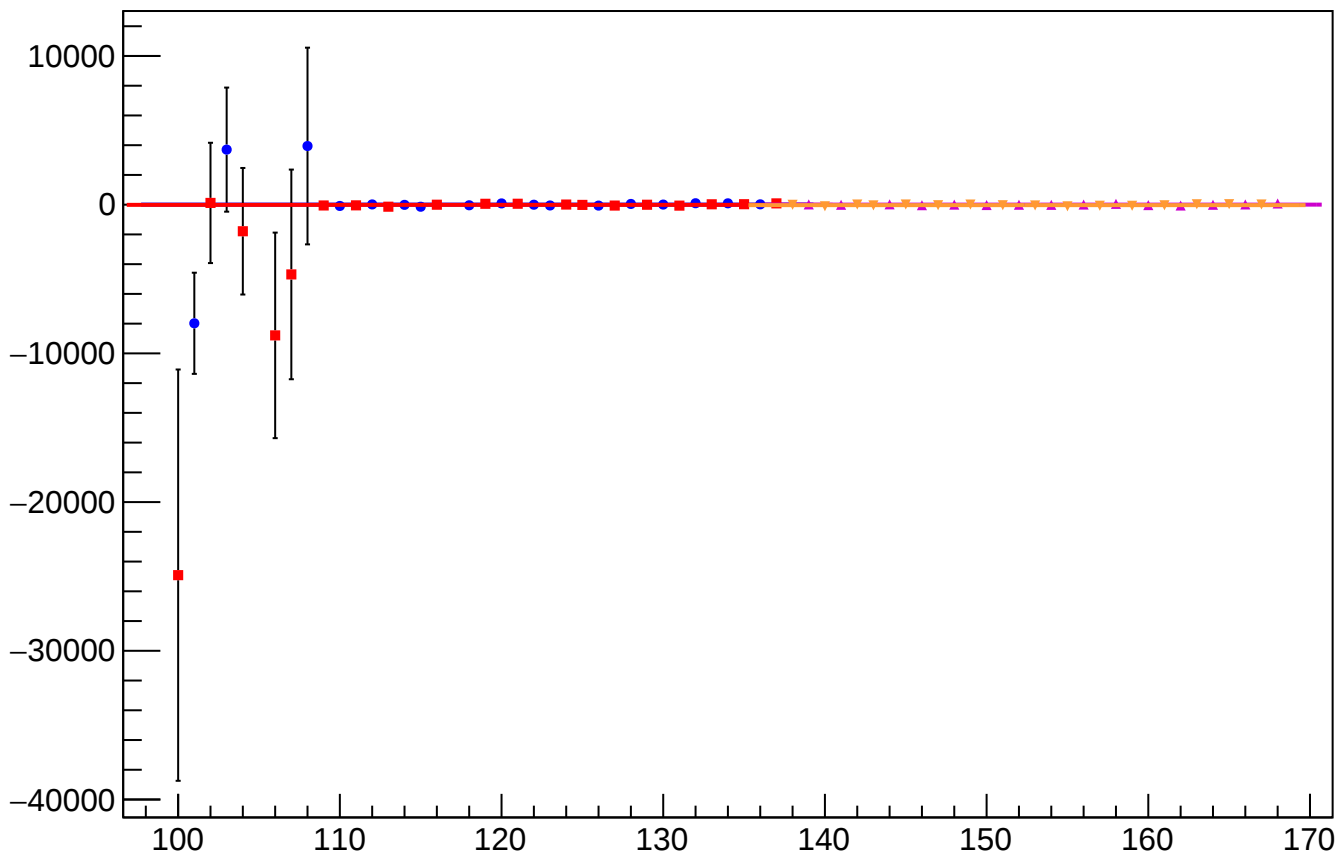
Left In: 185.619 $\pm$ 0.040 χ^2 /NDF: 1275482.8/14

+ sign 215.702 $\pm$ 0.038 χ^2 /NDF: 4681226.1/32

All: 196.551 $\pm$ 0.025 χ^2 /NDF: 10576047.1/60

- sign 182.295 $\pm$ 0.033 χ^2 /NDF: 5461575.0/33

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565 ± 15.052 χ^2/NDF : 20.4/16

Left Out: -31.230 ± 10.059 χ^2/NDF : 19.4/15

Right Out: -12.158 ± 14.952 χ^2/NDF : 21.9/18

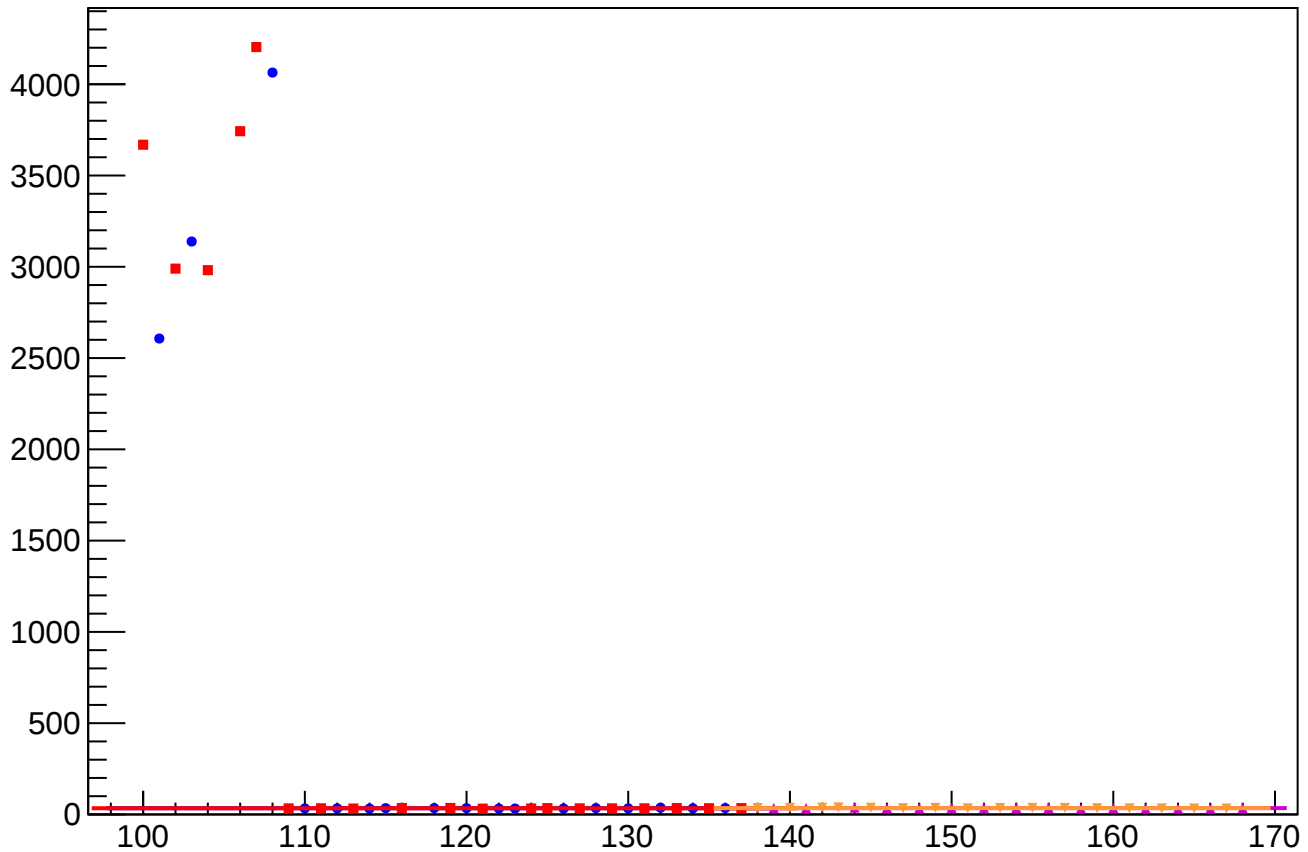
Left In: 3.393 ± 10.149 χ^2/NDF : 11.7/14

+ sign -19.870 ± 8.363 χ^2/NDF : 44.0/32

All: -10.728 ± 5.926 χ^2/NDF : 80.8/66

- sign -1.512 ± 8.397 χ^2/NDF : 34.4/33

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: 34.725 $\pm$ 0.007 χ^2 /NDF: 46756.5/15

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

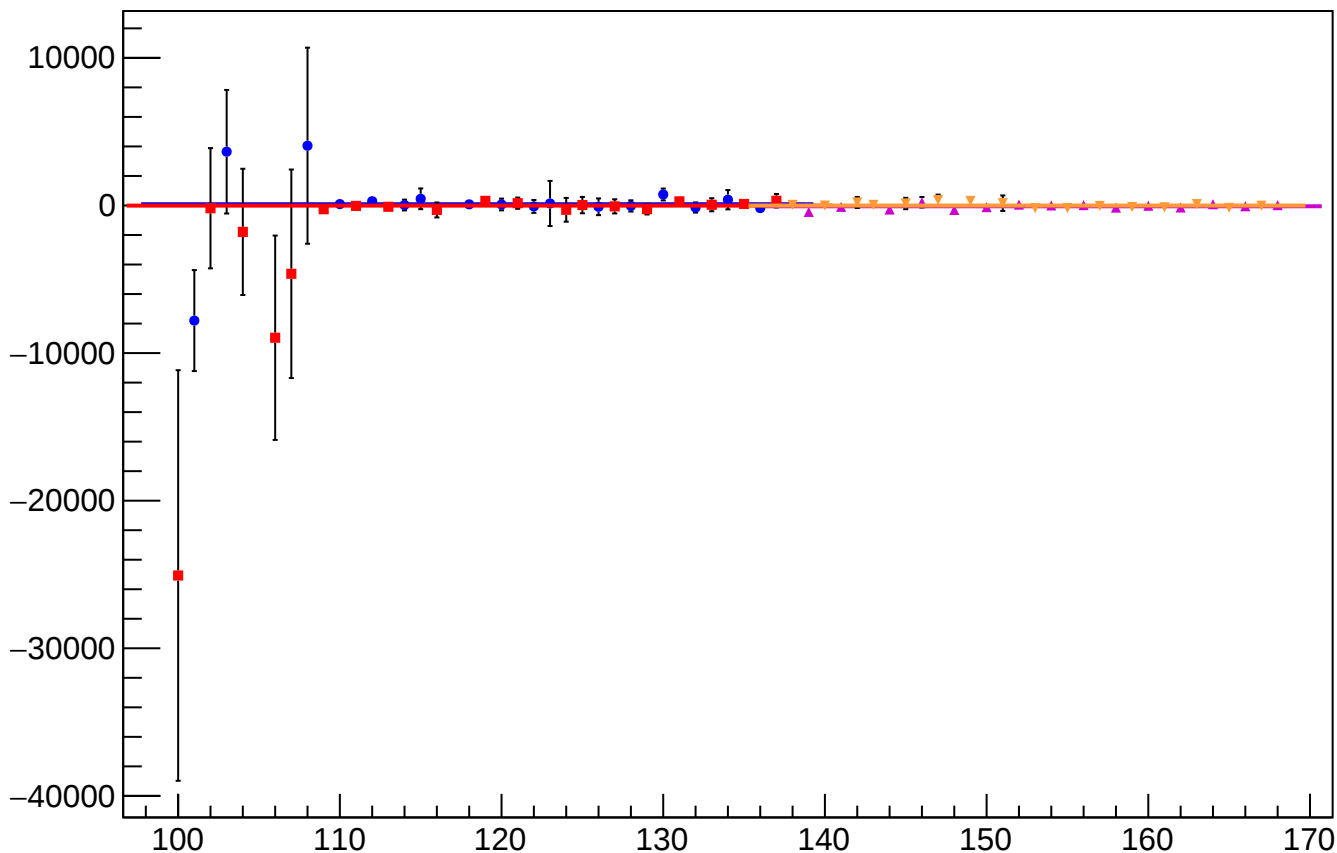
Left In: 34.703 $\pm$ 0.007 χ^2 /NDF: 51640.1/14

+ sign 34.553 $\pm$ 0.006 χ^2 /NDF: 3055167.3/32

All: 34.504 $\pm$ 0.004 χ^2 /NDF: 6562684.3/66

- sign 34.454 $\pm$ 0.006 χ^2 /NDF: 3507376.2/33

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: -3.826+/-68.408 χ^2/NDF : 5.0/15

Right Out: -8.565+/-81.257 χ^2/NDF : 11.1/18

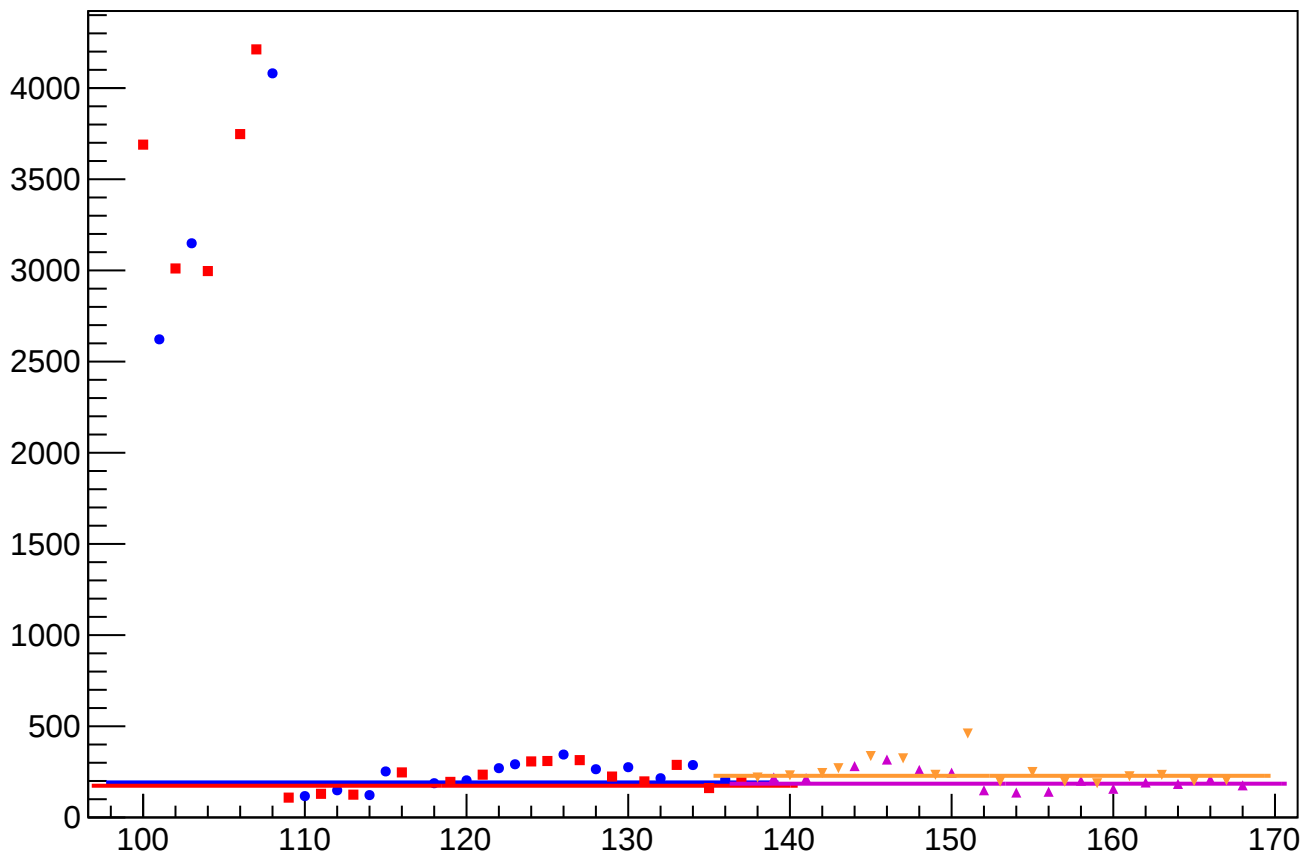
Left In: -53.830+/-57.074 χ^2/NDF : 5.5/14

+ sign 29.096+/-54.180 χ^2/NDF : 18.1/32

All: -9.899+/-35.375 χ^2/NDF : 35.8/66

- sign -38.876+/-46.704 χ^2/NDF : 16.8/33

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: 228.413+/-0.048 χ^2/NDF : 936534.7/15

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

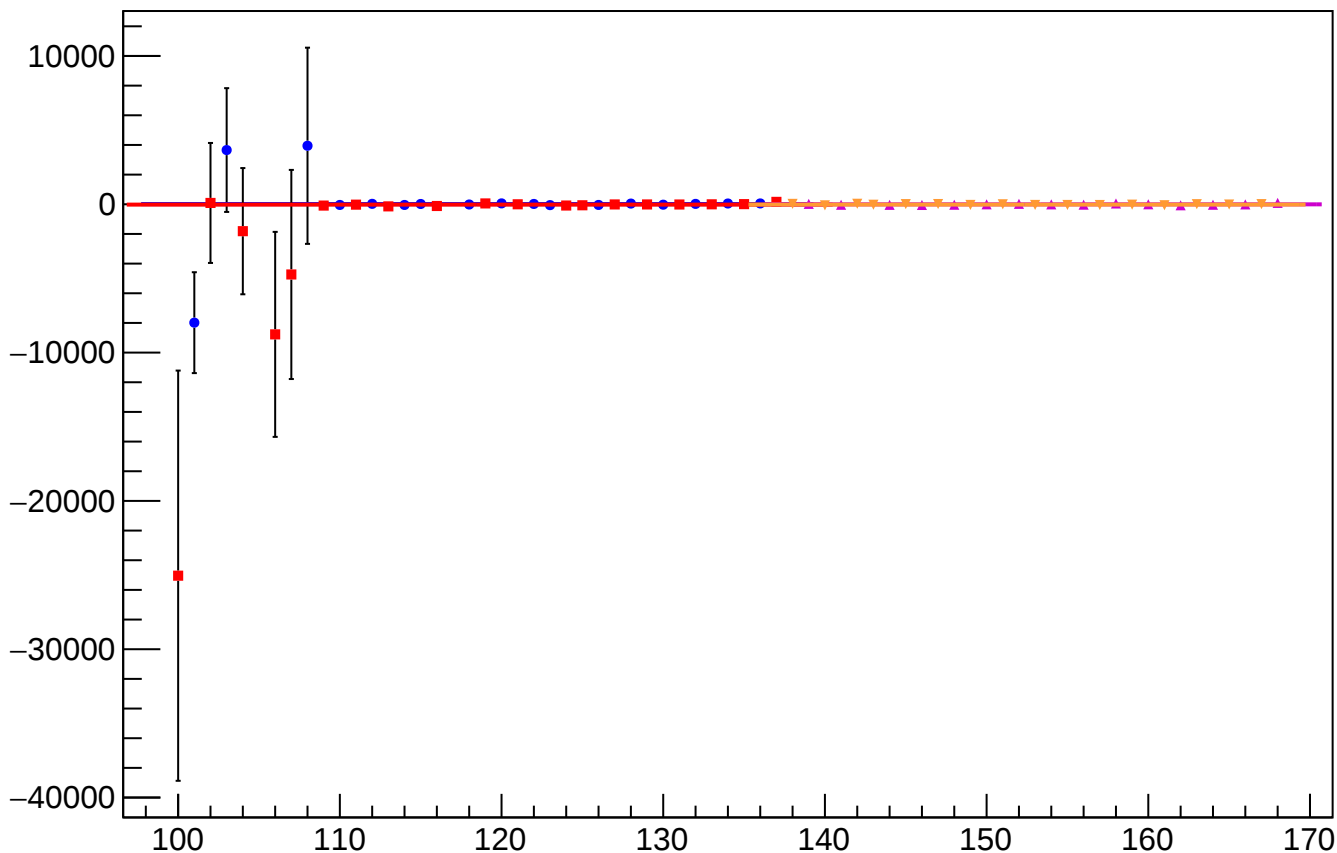
Left In: 185.114+/-0.040 χ^2/NDF : 1262885.6/14

+ sign 214.908+/-0.038 χ^2/NDF : 4720317.4/32

All: 195.701+/-0.025 χ^2/NDF : 10658147.5/60

- sign 181.429+/-0.033 χ^2/NDF : 5499733.0/33

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: -19.731+/-9.132 χ^2/NDF : 12.0/15

Right Out: -22.618+/-13.660 χ^2/NDF : 28.0/18

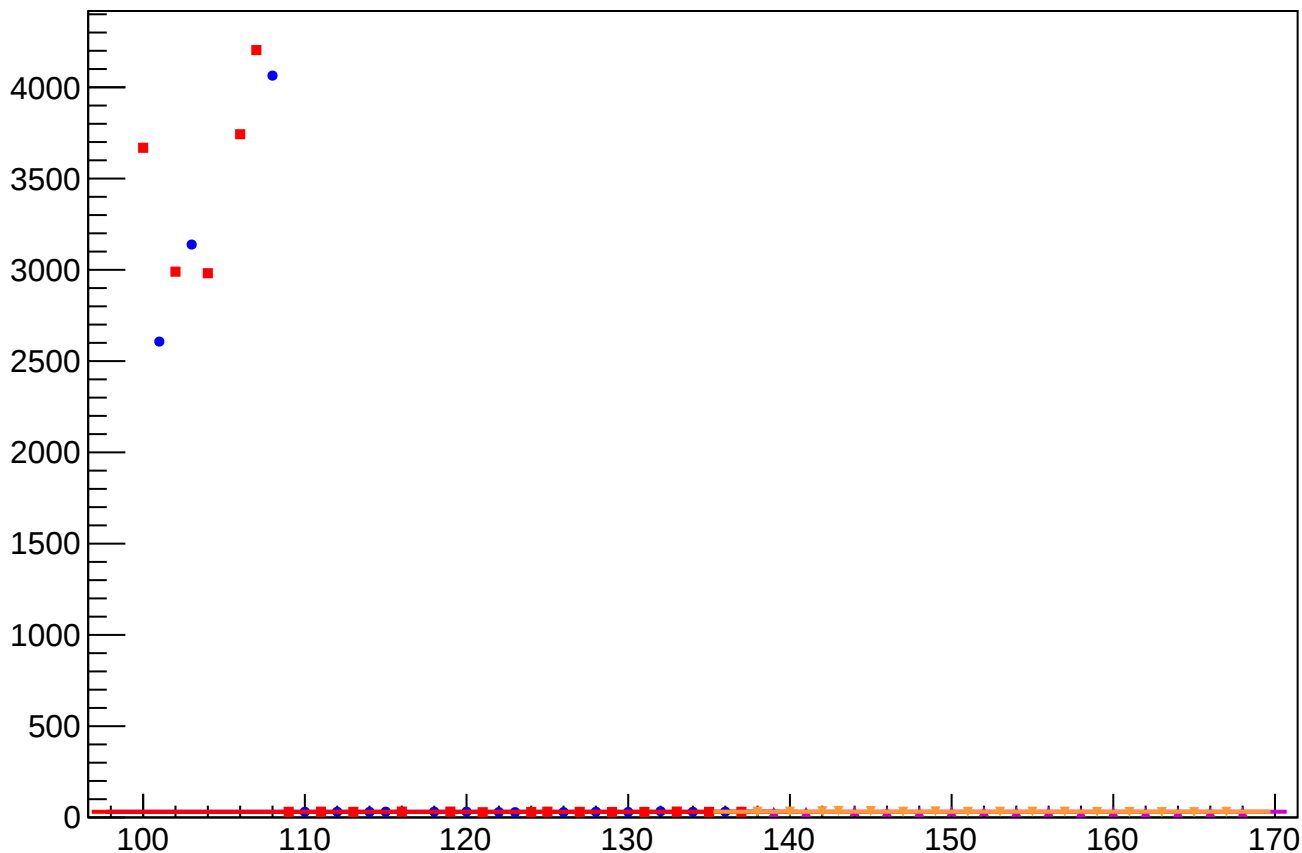
Left In: -4.075+/-9.191 χ^2/NDF : 21.3/14

+ sign -9.762+/-7.603 χ^2/NDF : 30.5/32

All: -9.808+/-5.384 χ^2/NDF : 81.1/66

- sign -9.854+/-7.625 χ^2/NDF : 50.6/33

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: 31.492+/-0.006 χ^2/NDF : 72403.9/15

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

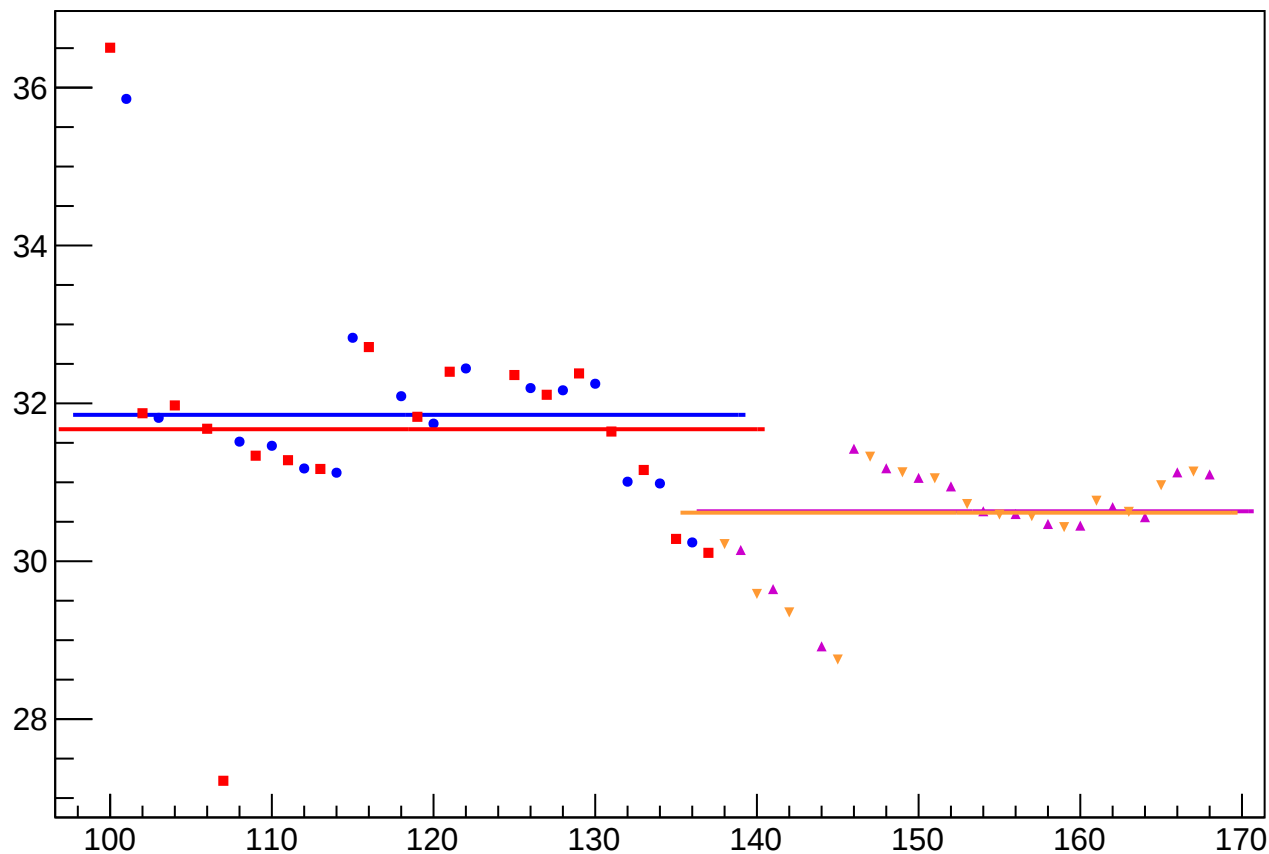
Left In: 31.380+/-0.006 χ^2/NDF : 80459.9/14

+ sign 31.388+/-0.005 χ^2/NDF : 3087763.7/32

All: 31.319+/-0.004 χ^2/NDF : 6628761.8/66

- sign 31.250+/-0.005 χ^2/NDF : 3540670.4/33

yield_usl_mean vs Slug



Right In: 31.855 $\pm$ 0.000 χ^2 /NDF: 1570522165.5/15

Left Out: 30.615 $\pm$ 0.000 χ^2 /NDF: 647642159.5/14

Right Out: 31.672 $\pm$ 0.000 χ^2 /NDF: 917899841.8/17

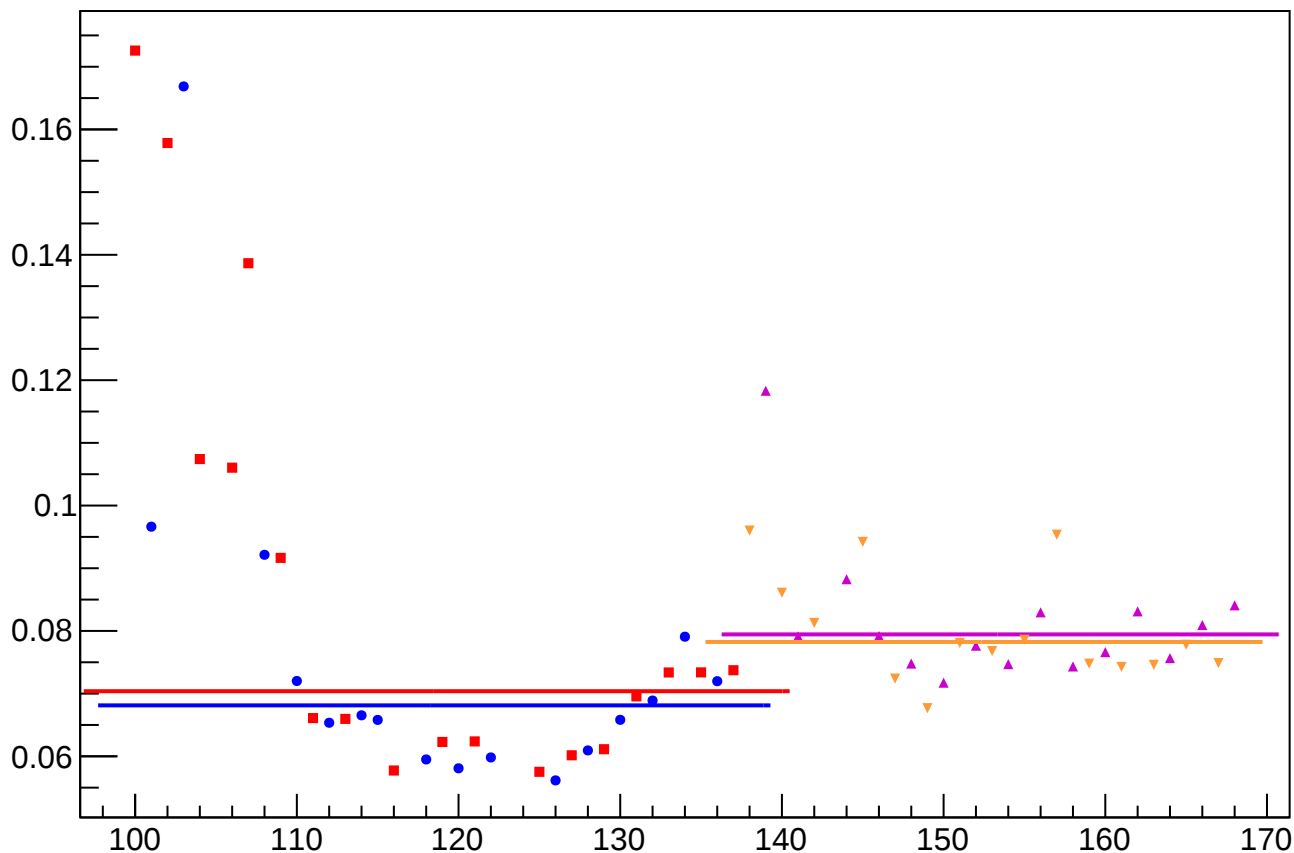
Left In: 30.633 $\pm$ 0.000 χ^2 /NDF: 613221385.3/14

+ sign 31.148 $\pm$ 0.000 χ^2 /NDF: 3307737778.1/30

All: 31.107 $\pm$ 0.000 χ^2 /NDF: 5601387369.4/6

- sign 31.066 $\pm$ 0.000 χ^2 /NDF: 2283974169.0/32

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.078 $\pm$ 0.000 χ^2 /NDF:199828.9/14

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841320.1/17

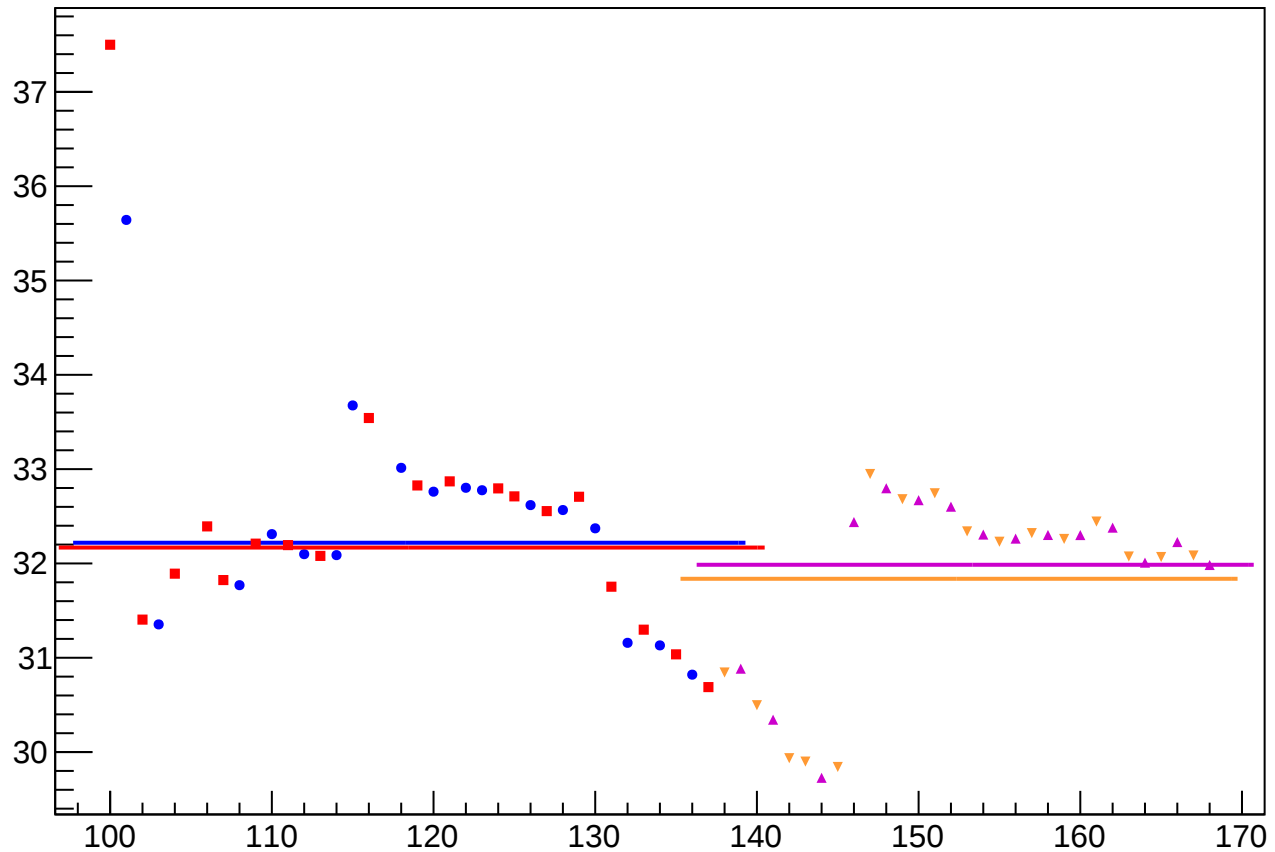
Left In: 0.079 $\pm$ 0.000 χ^2 /NDF:218918.3/14

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 974812.7/30

All: 0.075 $\pm$ 0.000 χ^2 /NDF: 2158566.0/63

- sign 0.076 $\pm$ 0.000 χ^2 /NDF: 1174640.7/32

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.837+/-0.000 χ^2/NDF : 1825870237.0/15

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

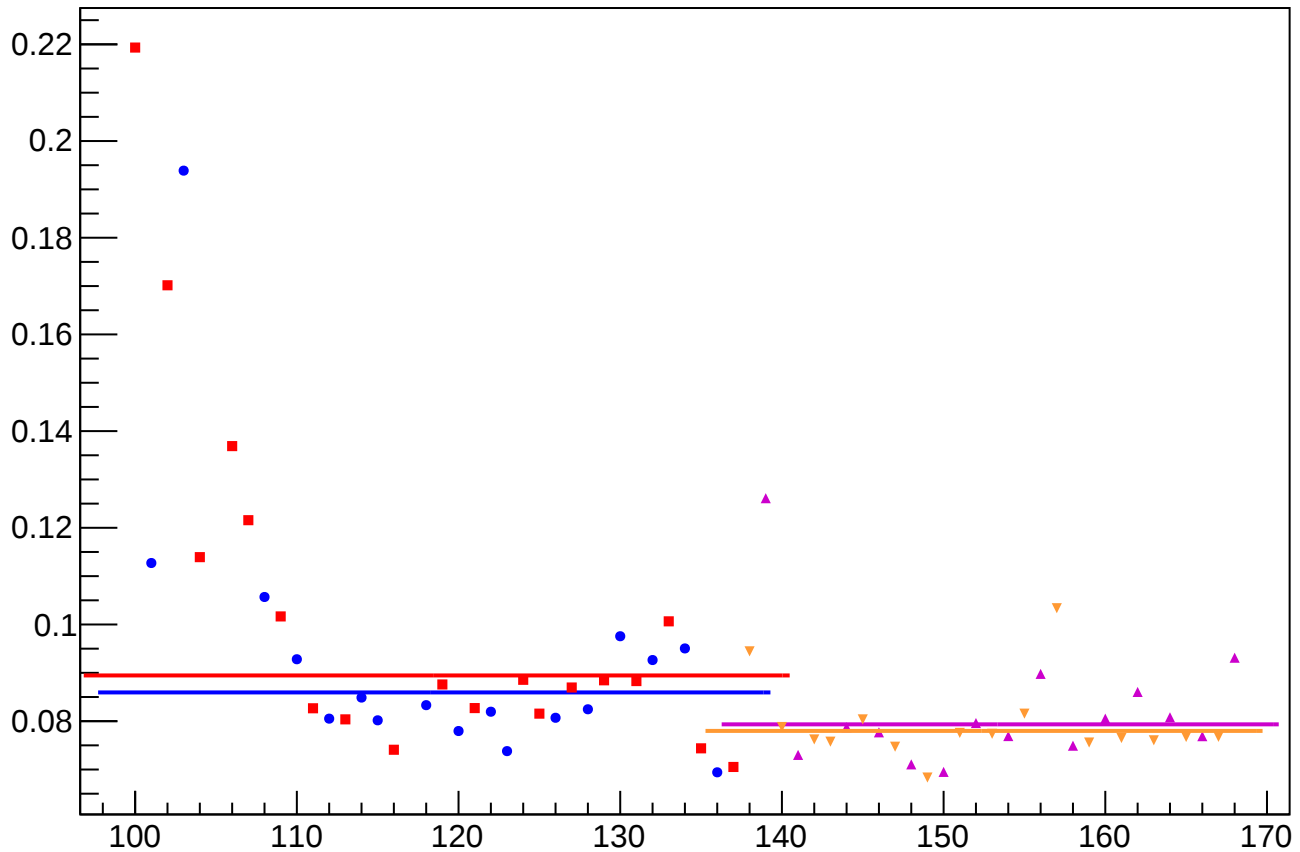
Left In: 31.986+/-0.000 χ^2/NDF : 1399161633.0/14

+ sign 31.955+/-0.000 χ^2/NDF : 2919129347.3/32

All: 31.998+/-0.000 χ^2/NDF : 4787943106.0/6

- sign 32.043+/-0.000 χ^2/NDF : 1859083274.1/33

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: 160550.9/15

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 539869.9/18

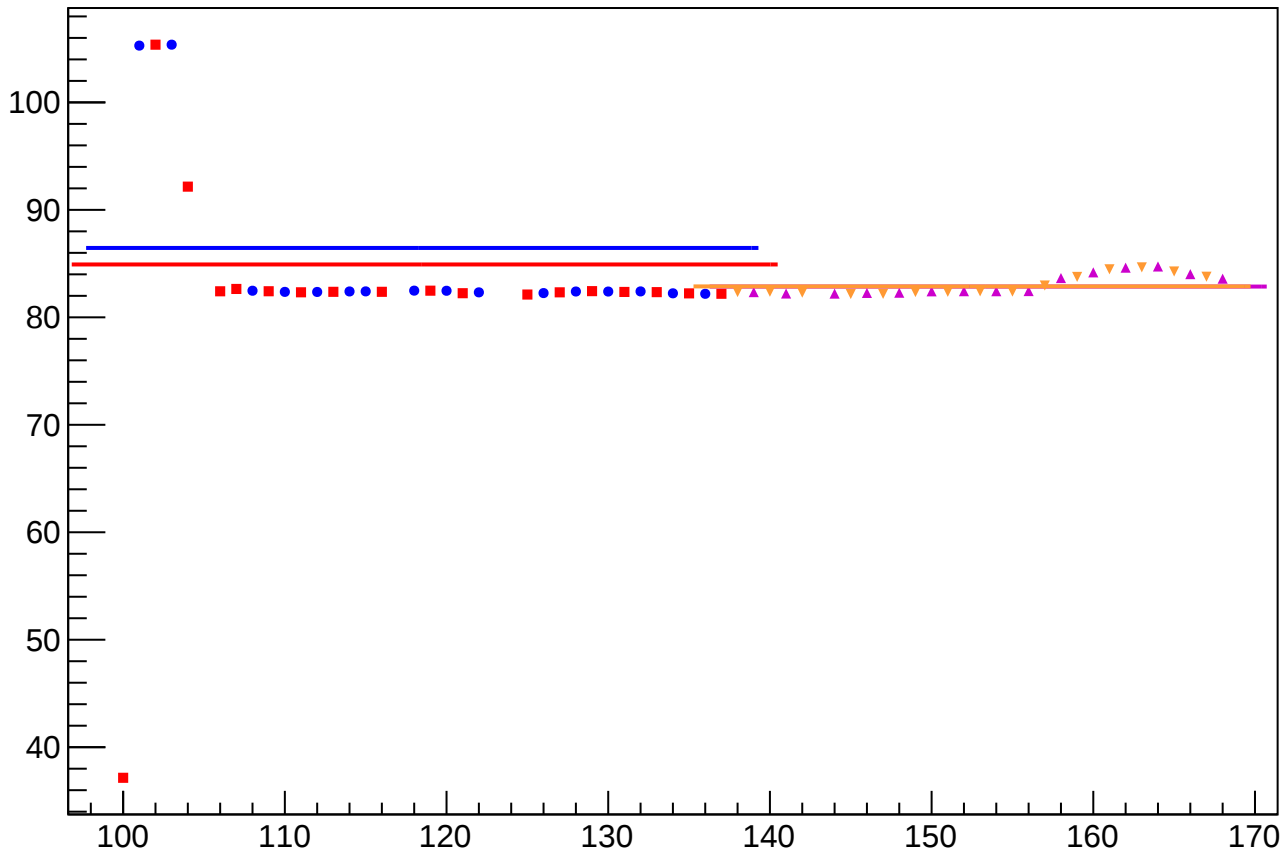
Left In: 0.079 $\pm$ 0.000 χ^2 /NDF: 328903.2/14

+ sign 0.080 $\pm$ 0.000 χ^2 /NDF: 782705.8/32

All: 0.081 $\pm$ 0.000 χ^2 /NDF: 1770348.2/66

- sign 0.082 $\pm$ 0.000 χ^2 /NDF: 976980.2/33

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.878+/-0.000 χ^2/NDF : 3919926653.1/14

Right Out: 84.920+/-0.000 χ^2/NDF : 172195187677.7/17

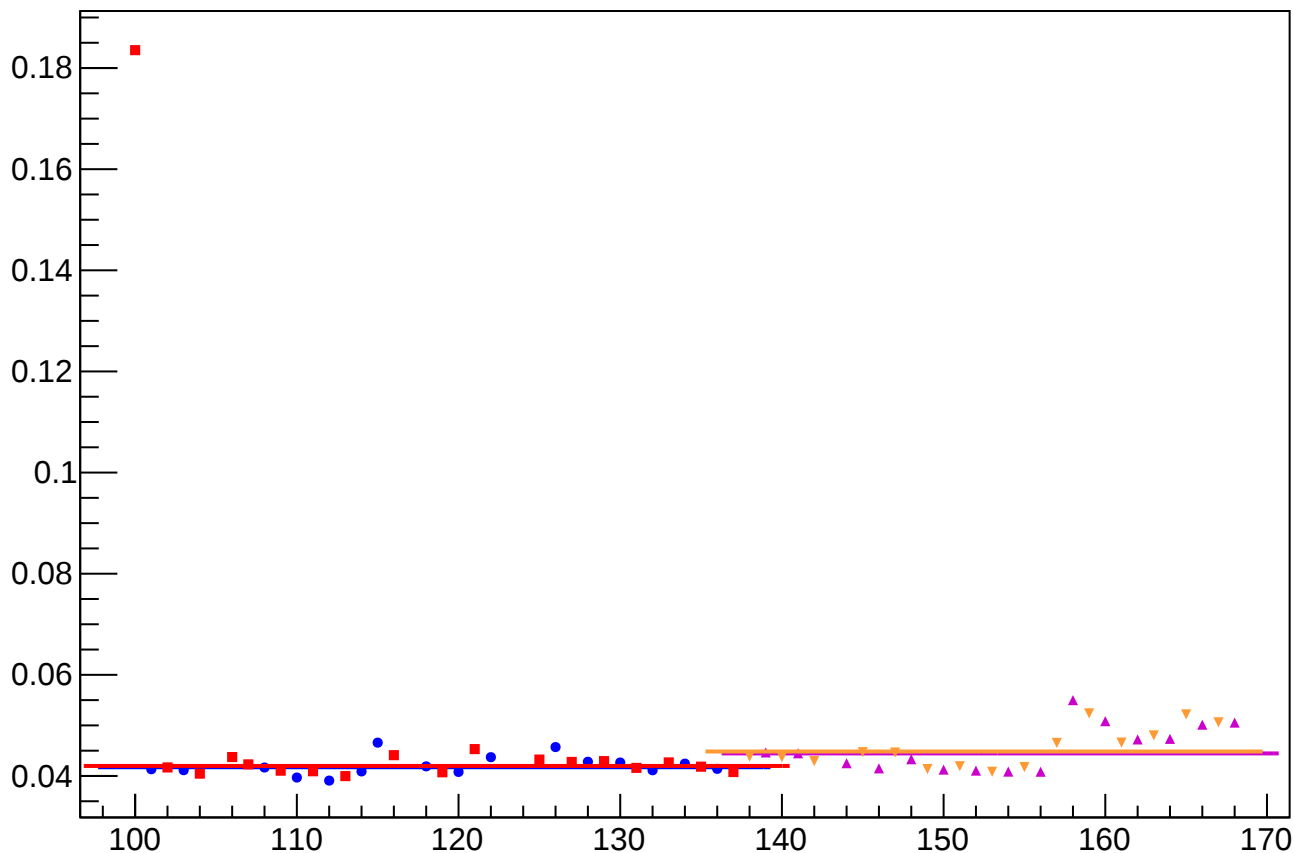
Left In: 82.863+/-0.000 χ^2/NDF : 4177708847.5/14

+ sign 84.342+/-0.000 χ^2/NDF : 323860424037.6/30

All: 84.010+/-0.000 χ^2/NDF : 512065803548.0

- sign 83.694+/-0.000 χ^2/NDF : 186219269629.6/32

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:131345.5/14

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96869.3/17

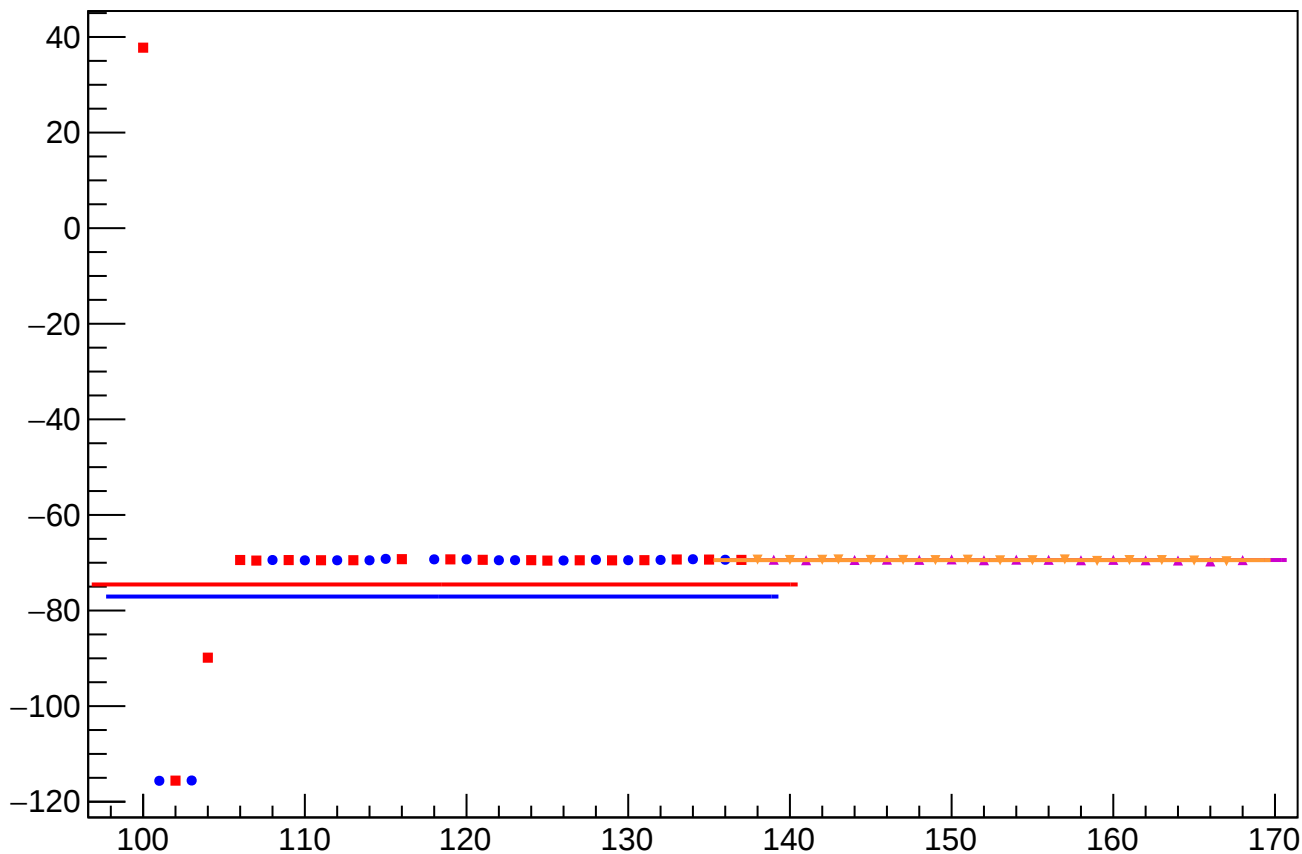
Left In: 0.044 $\pm$ 0.000 χ^2 /NDF:188317.6/14

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 193232.2/30

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 507092.3/63

- sign 0.043 $\pm$ 0.000 χ^2 /NDF: 313753.9/32

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.452+/-0.000 χ^2/NDF : 39138594.5/15

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

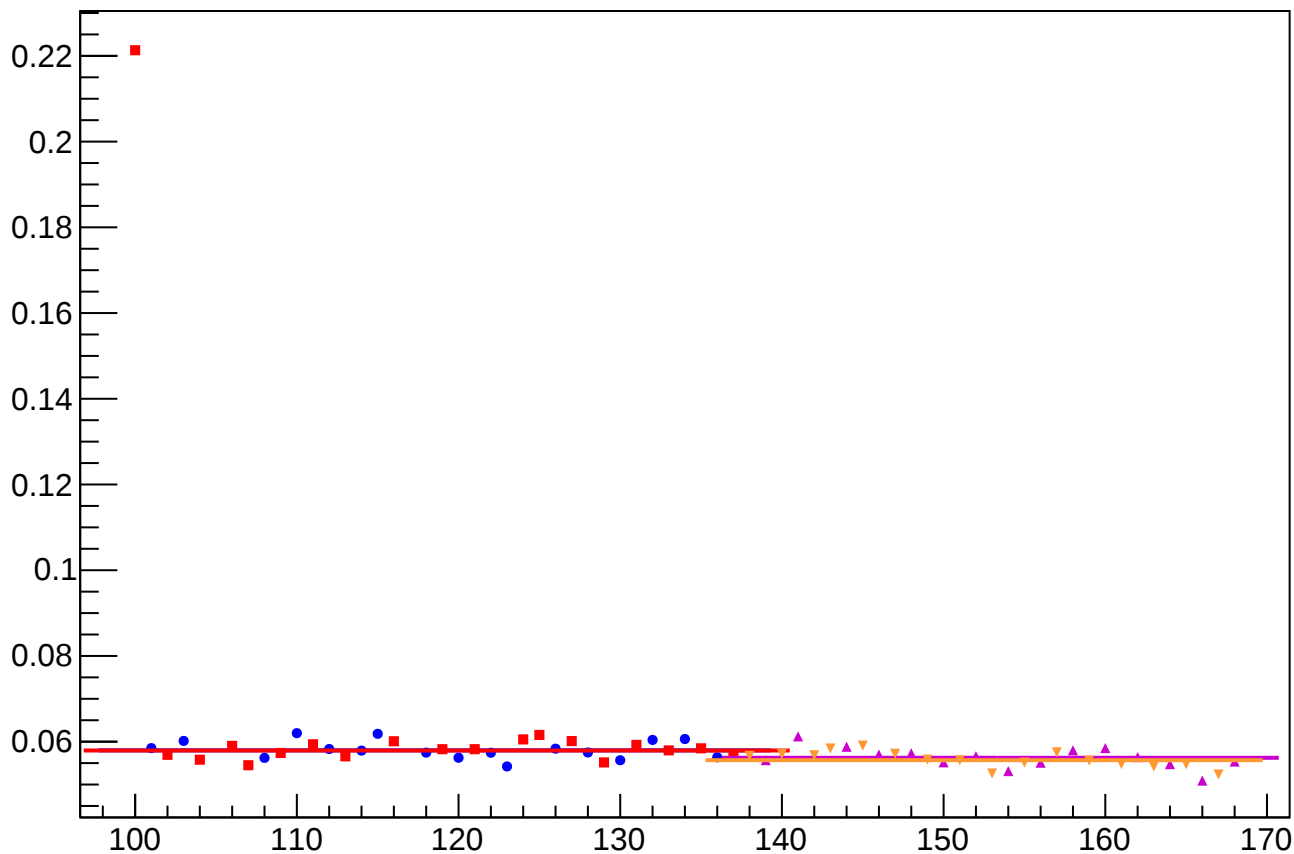
Left In: -69.431+/-0.000 χ^2/NDF : 30884198.8/14

+ sign -72.046+/-0.000 χ^2/NDF : 638815394905.3/3

All: -71.669+/-0.000 χ^2/NDF : 104635077569

- sign -71.291+/-0.000 χ^2/NDF : 405932538659.4/3

yield_dsr_rms vs Slug



Right In: 0.058 ± 0.000 χ^2/NDF : 12275.6/16

Left Out: 0.056 ± 0.000 χ^2/NDF : 25486.9/15

Right Out: 0.058 ± 0.000 χ^2/NDF : 86466.5/18

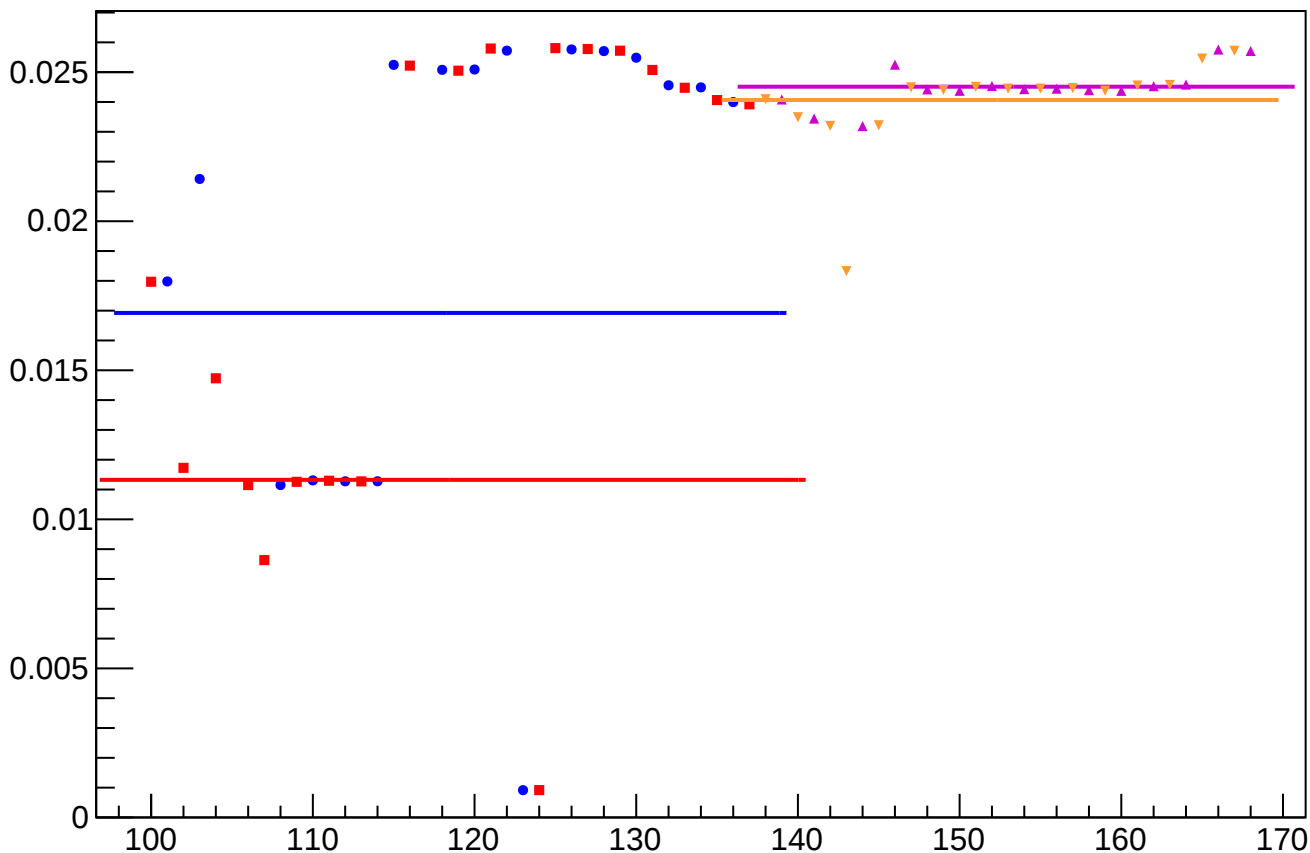
Left In: 0.056 ± 0.000 χ^2/NDF : 38486.2/14

+ sign 0.056 ± 0.000 χ^2/NDF : 51044.9/32

All: 0.057 ± 0.000 χ^2/NDF : 184424.4/66

- sign 0.057 ± 0.000 χ^2/NDF : 132484.1/33

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: 5903100929.6/15

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 234754769754.2/18

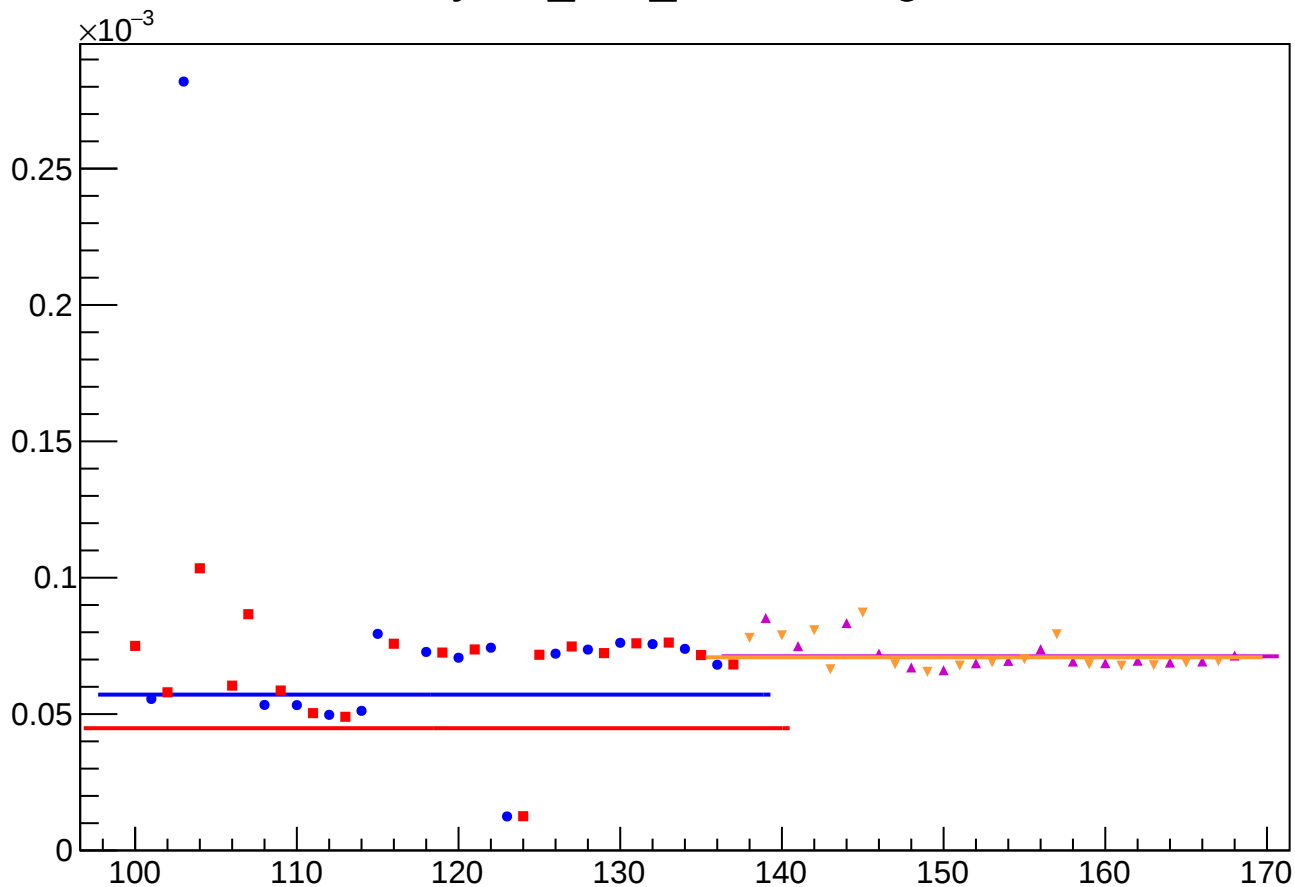
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 896685714.0/14

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 181941054220.4/32

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 643940276173.3

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 438171094258.2/33

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 :140968.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

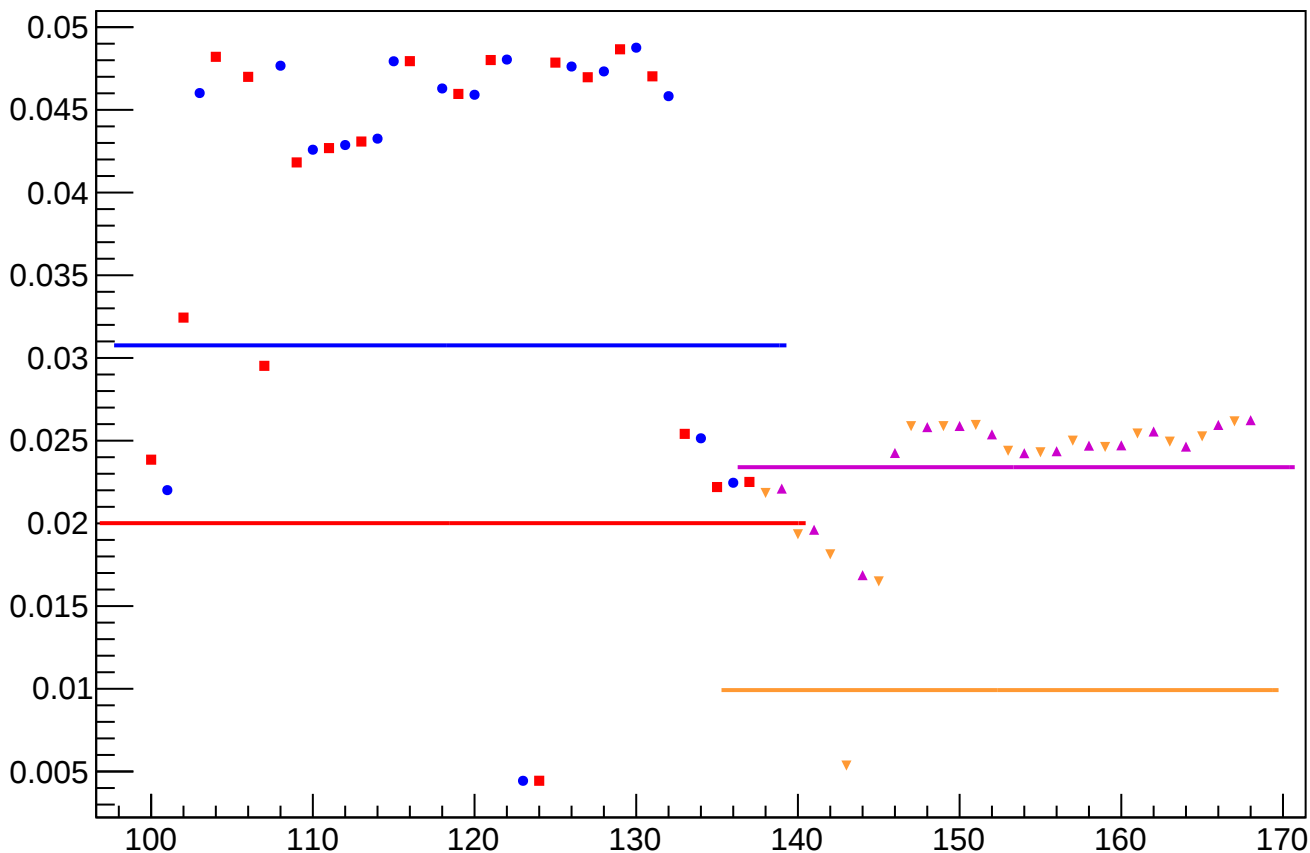
Left In: 0.000+/-0.000 χ^2/NDF :106038.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 2505428.7/32

All: 0.000+/-0.000 χ^2/NDF : 8059102.0/66

- sign 0.000+/-0.000 χ^2/NDF : 5315990.8/33

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 : 29744492444.1/15

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

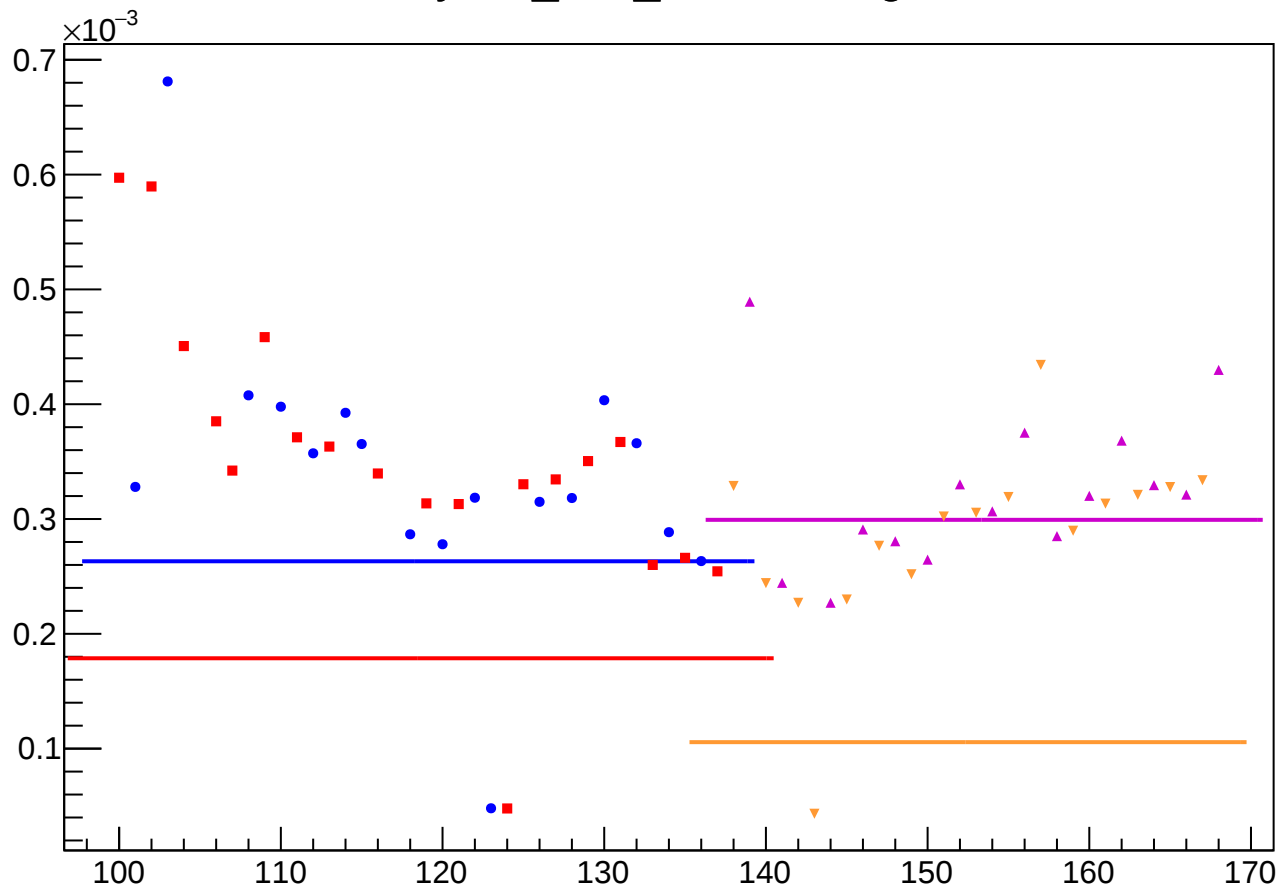
Left In: 0.023+/-0.000 χ^2/NDF : 1118566069.6/14

+ sign 0.013+/-0.000 χ^2/NDF : 77627557515.7/32

All: 0.015+/-0.000 χ^2/NDF : 132717393628.4

- sign 0.022+/-0.000 χ^2/NDF : 41797812350.1/33

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 11089663.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 766571.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 16543355.5/32

All: 0.000+/-0.000 χ^2/NDF : 28453798.5/66

- sign 0.000+/-0.000 χ^2/NDF : 7803454.2/33

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: 384007675.8/15

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43669374279.3/18

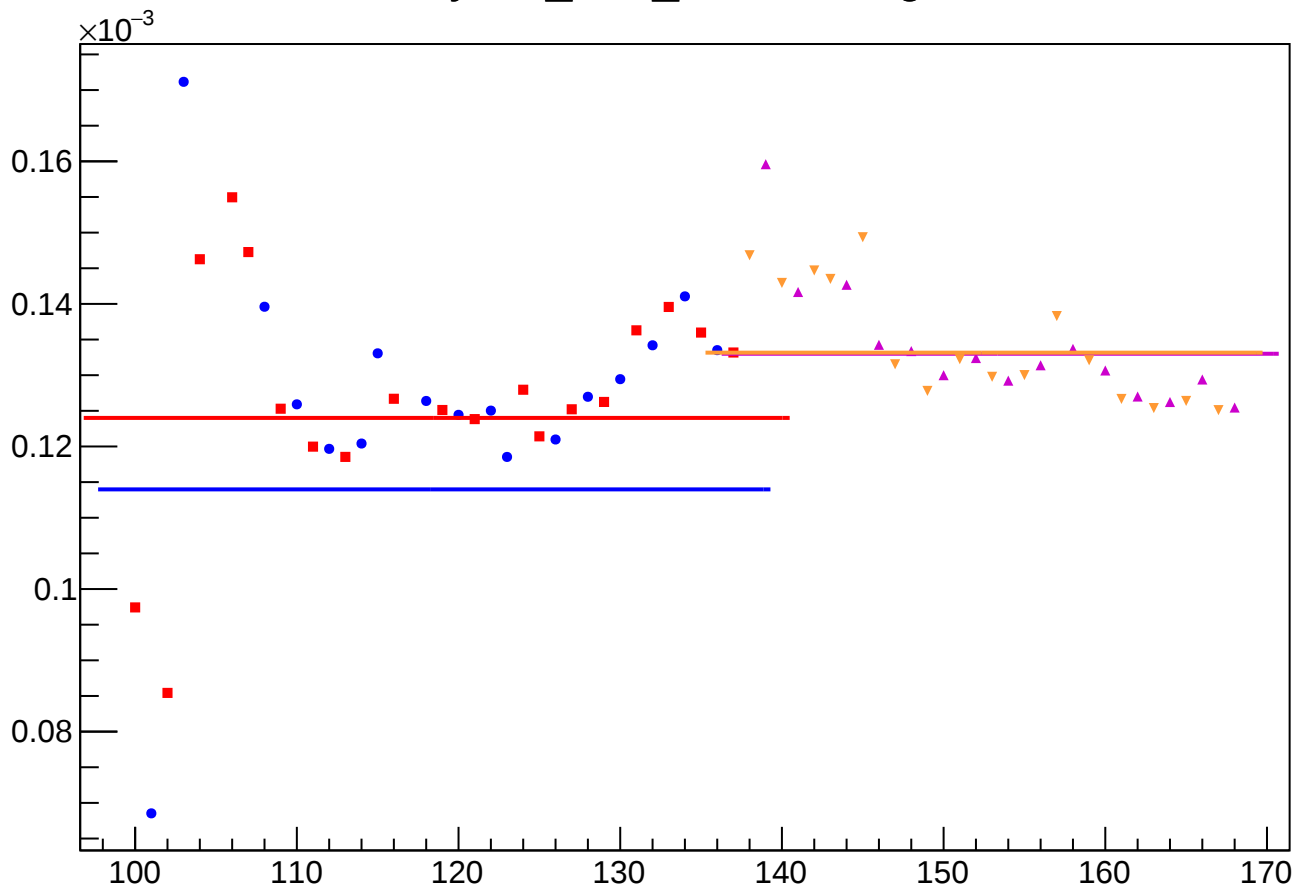
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 334809870.0/14

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 119955463057.1/32

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 171189404204.2

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 48799264798.8/33

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 : 75445.7/15

Right Out: 0.000 +/- 0.000 χ^2/NDF : 245154.5/18

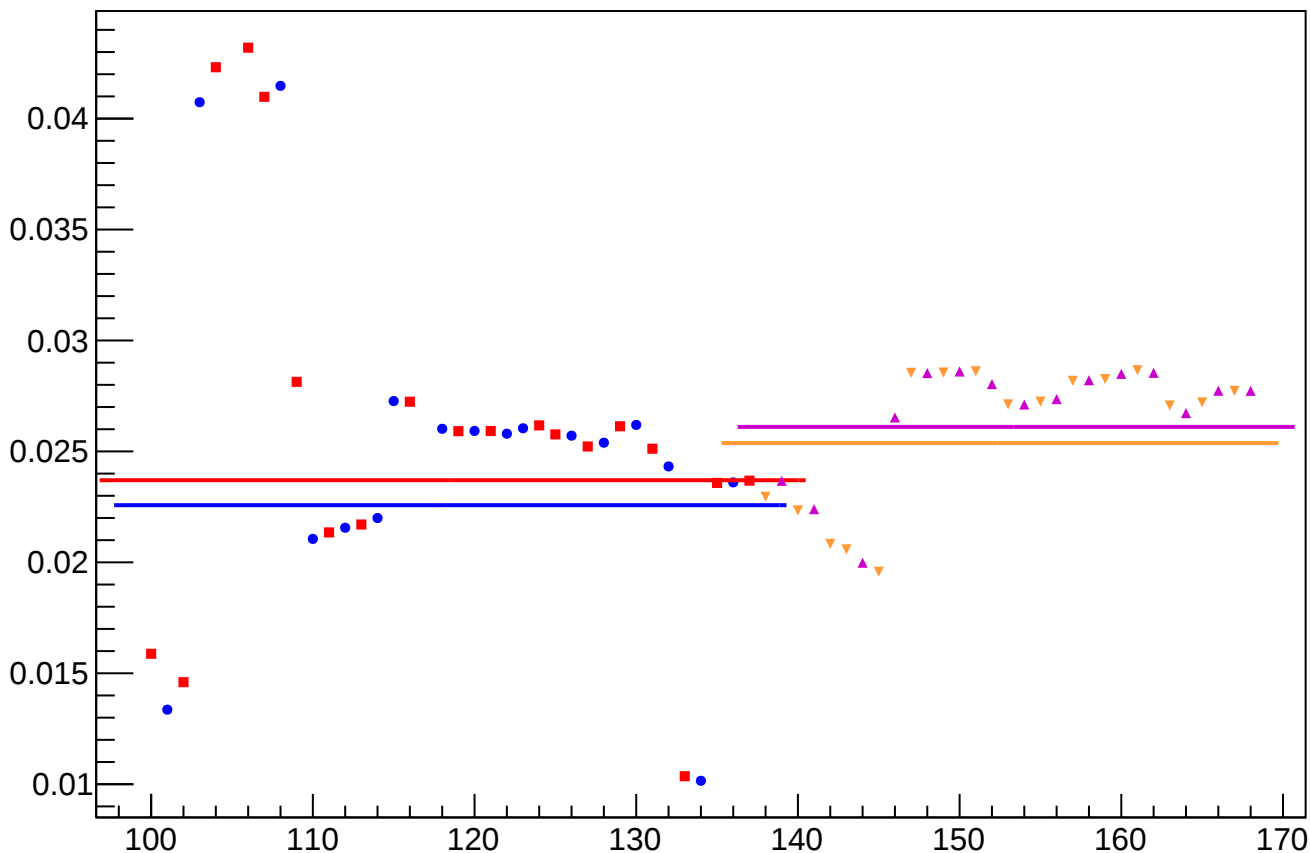
Left In: 0.000 +/- 0.000 χ^2/NDF : 70026.4/14

+ sign 0.000 +/- 0.000 χ^2/NDF : 1071791.9/32

All: 0.000 +/- 0.000 χ^2/NDF : 1449111.3/66

- sign 0.000 +/- 0.000 χ^2/NDF : 357162.1/33

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.025+/-0.000 χ^2/NDF : 1647548038.0/15

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

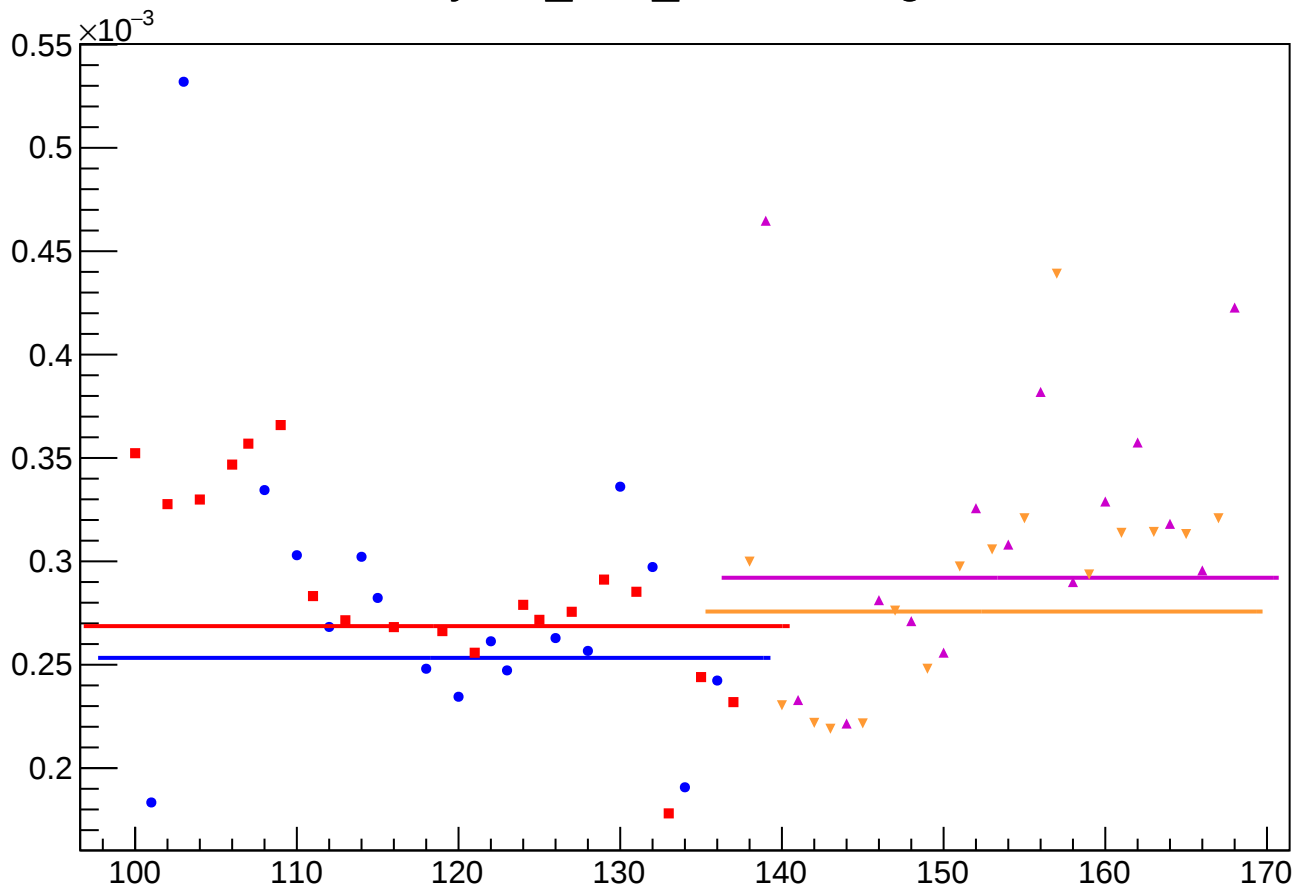
Left In: 0.026+/-0.000 χ^2/NDF : 1130326465.8/14

+ sign 0.024+/-0.000 χ^2/NDF : 6321181232.7/32

All: 0.025+/-0.000 χ^2/NDF : 13472130385.0/6

- sign 0.025+/-0.000 χ^2/NDF : 7071995152.3/33

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 629159.2/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:587833.7/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 428329.0/18

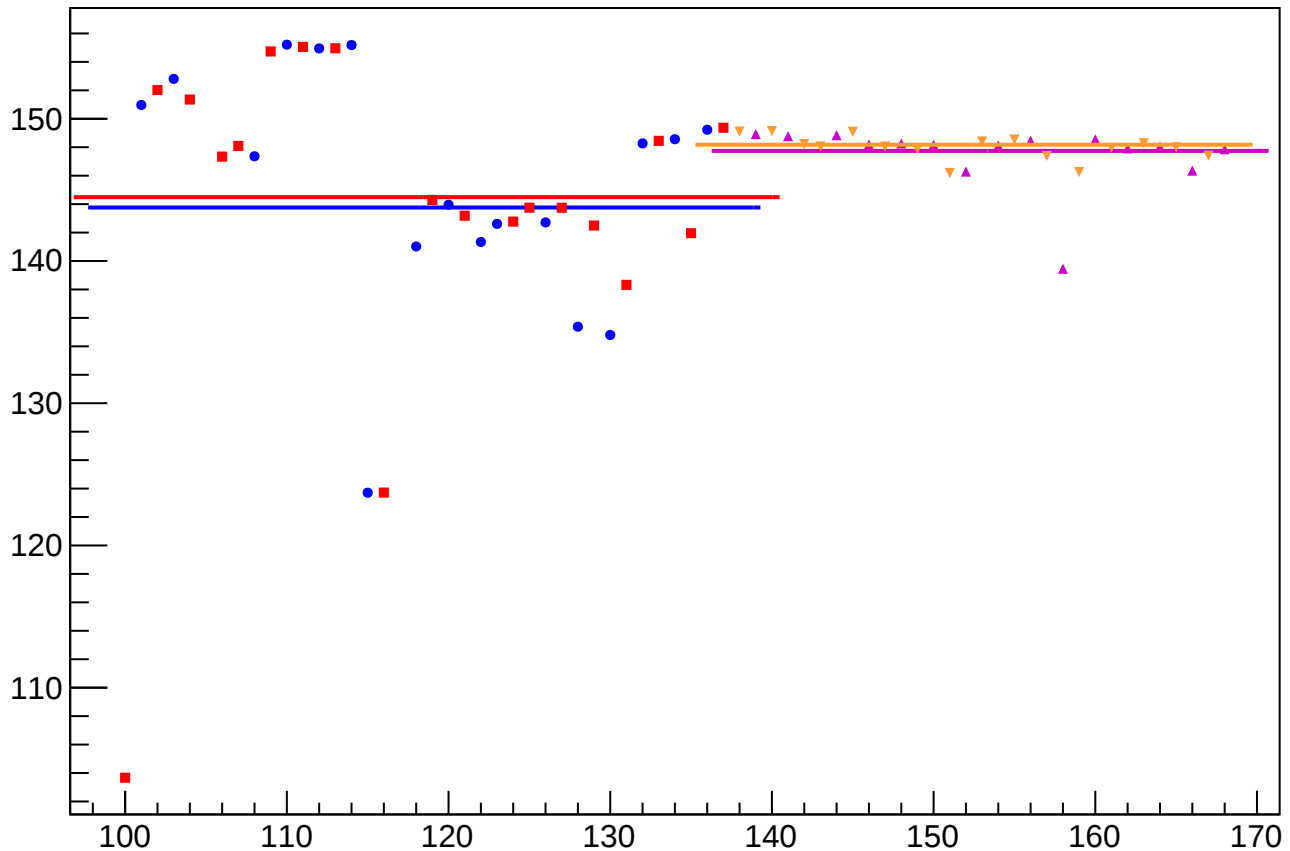
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:812422.5/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1271573.9/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 2620204.1/66

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1295698.1/33

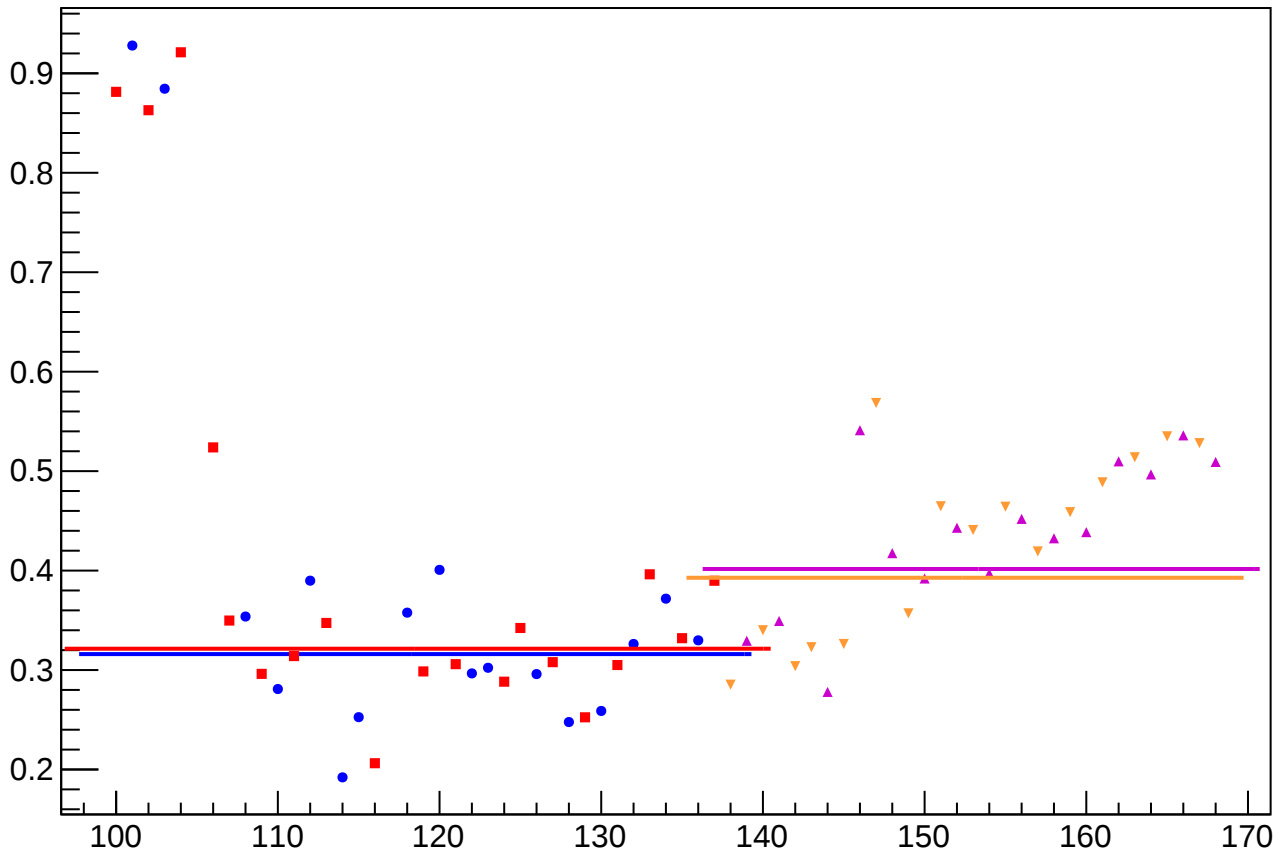
yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16
 Left Out: 148.176 $\pm$ 0.000 χ^2 /NDF: 52407732.4/15
 Right Out: 144.490 $\pm$ 0.000 χ^2 /NDF: 4182548232.5/18
 Left In: 147.743 $\pm$ 0.000 χ^2 /NDF: 325231534.1/14

+ sign 146.238 $\pm$ 0.000 χ^2 /NDF: 4194515133.6/32
 All: 146.248 $\pm$ 0.000 χ^2 /NDF: 9028434449.9
 - sign 146.259 $\pm$ 0.000 χ^2 /NDF: 4833891267.0/33

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 ± 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.393 ± 0.000 χ^2/NDF : 1044249.0/15

Right Out: 0.321 ± 0.000 χ^2/NDF : 1219073.9/18

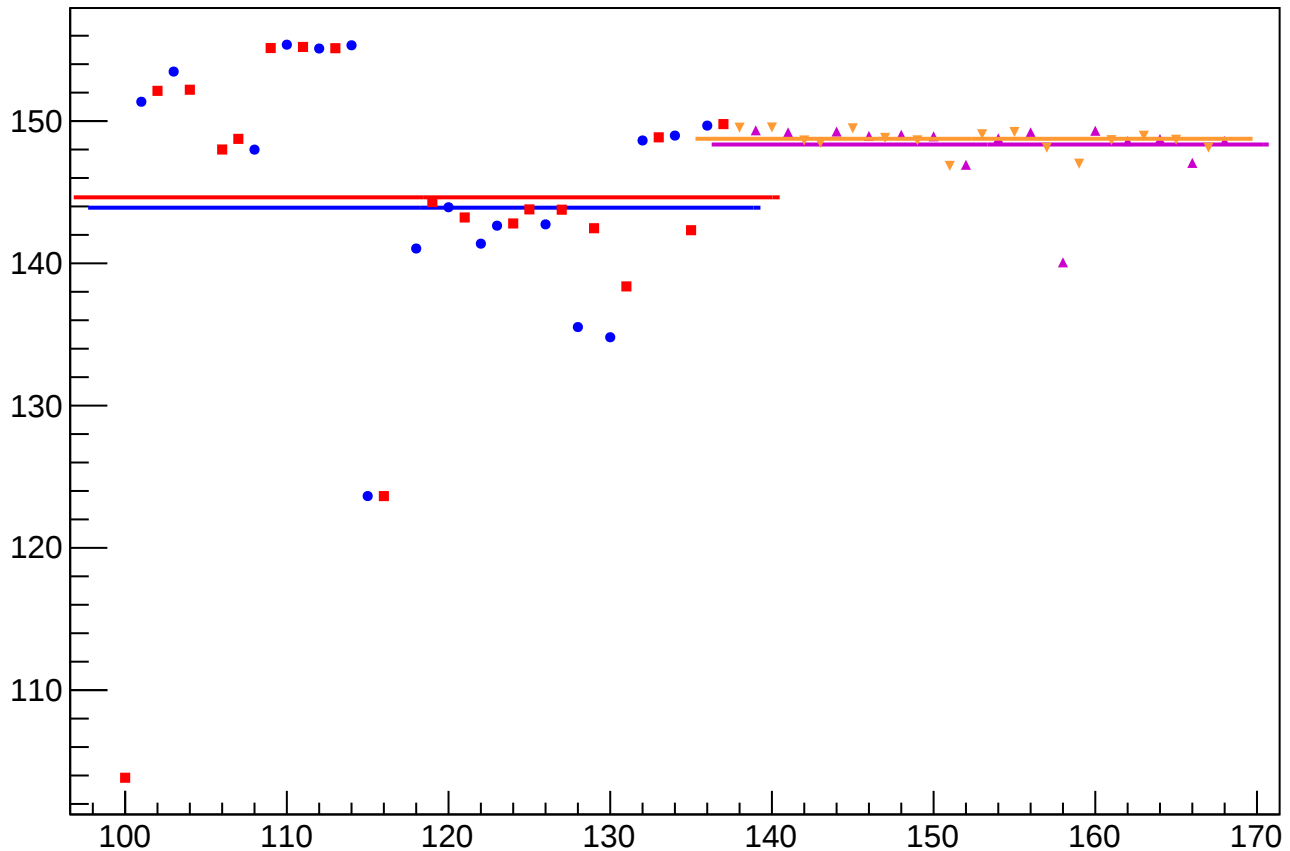
Left In: 0.402 ± 0.000 χ^2/NDF : 843089.3/14

+ sign 0.359 ± 0.000 χ^2/NDF : 2677716.4/32

All: 0.362 ± 0.000 χ^2/NDF : 5140443.0/66

- sign 0.365 ± 0.000 χ^2/NDF : 2458263.4/33

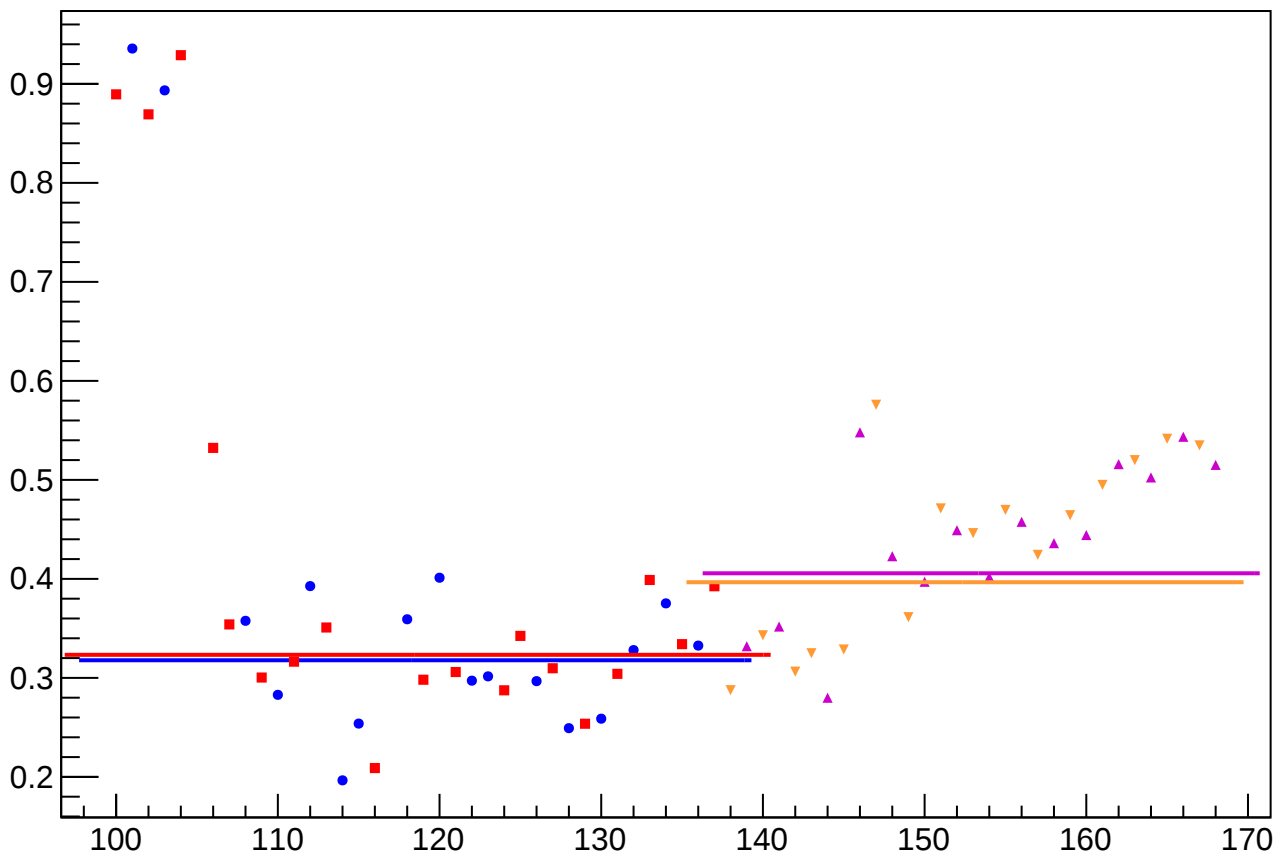
yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 ± 0.000 χ^2/NDF : 3587769790.2/16
 Left Out: 148.755 ± 0.000 χ^2/NDF : 40888029.6/15
 Right Out: 144.640 ± 0.000 χ^2/NDF : 4209610240.4/18
 Left In: 148.353 ± 0.000 χ^2/NDF : 314101957.2/14

+ sign 146.618 ± 0.000 χ^2/NDF : 4349191800.0/32
 All: 146.634 ± 0.000 χ^2/NDF : 9291120295.1
 - sign 146.651 ± 0.000 χ^2/NDF : 4941859565.6/33

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.397 ± 0.000 χ^2/NDF : 1063431.3/15

Right Out: 0.323 ± 0.000 χ^2/NDF : 1222241.9/18

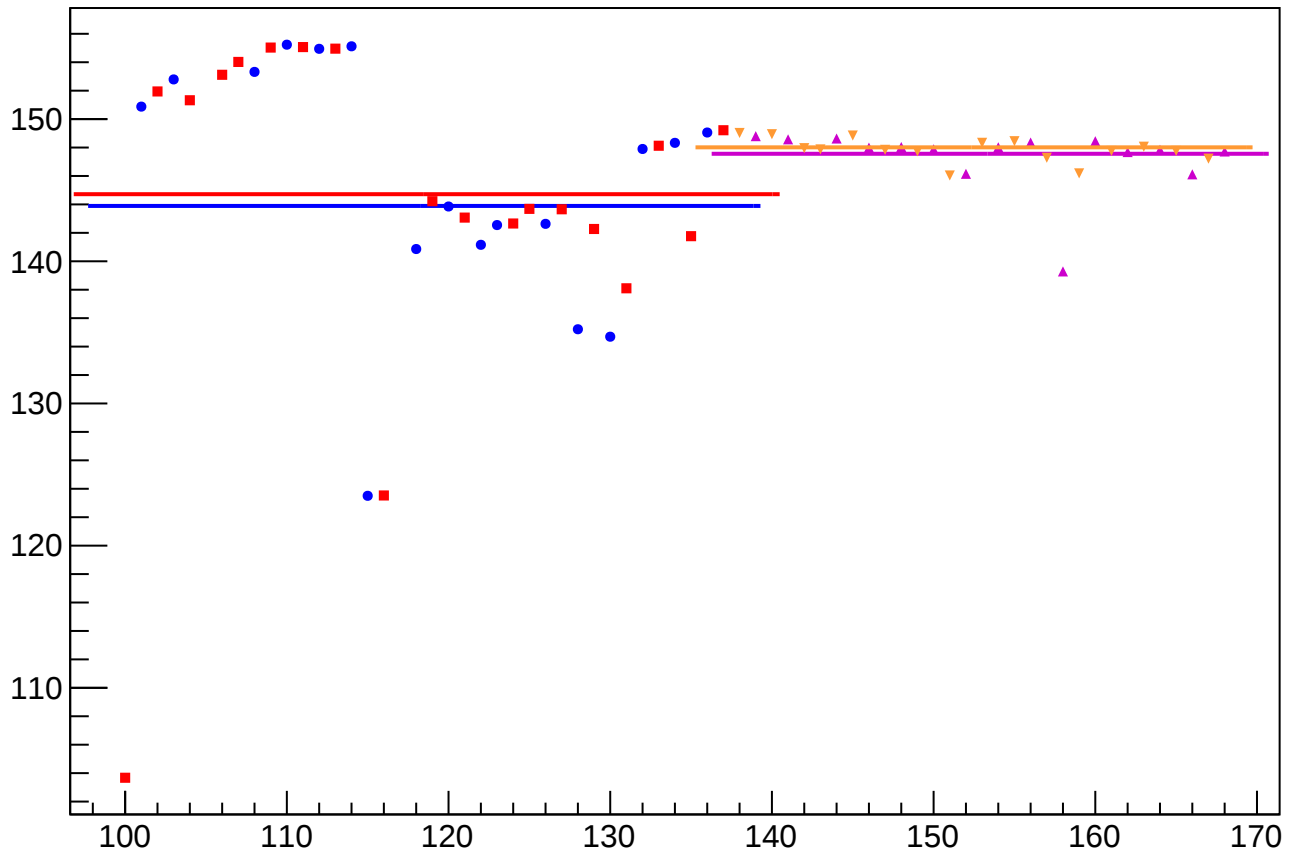
Left In: 0.406 ± 0.000 χ^2/NDF : 860418.2/14

+ sign 0.362 ± 0.000 χ^2/NDF : 2713366.8/32

All: 0.365 ± 0.000 χ^2/NDF : 5211954.3/66

- sign 0.368 ± 0.000 χ^2/NDF : 2494050.4/33

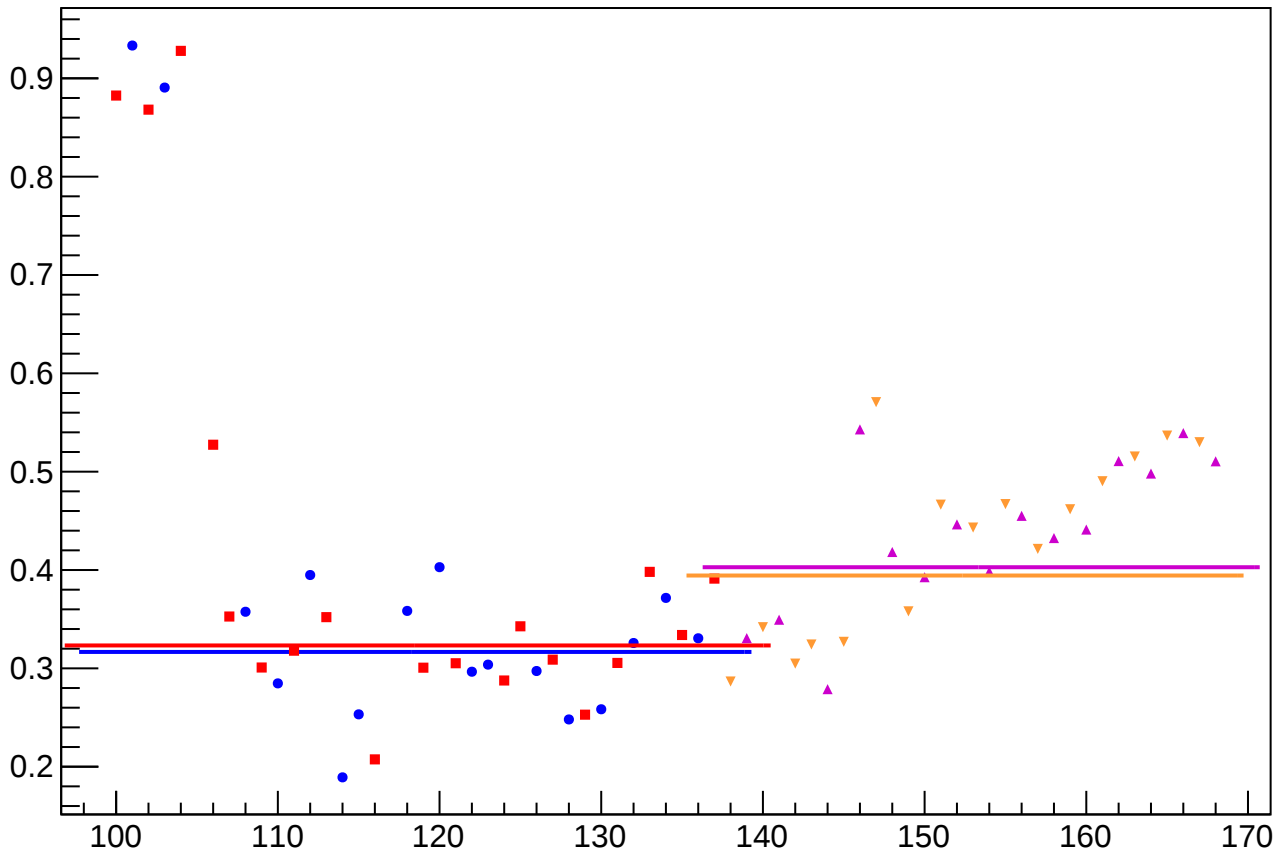
yield_bcm_an_us_mean vs Slug



Right In: 143.893 ± 0.000 χ^2/NDF : 3752655677.2/16
 Left Out: 148.014 ± 0.000 χ^2/NDF : 50891381.9/15
 Right Out: 144.719 ± 0.000 χ^2/NDF : 4473225884.5/18
 Left In: 147.561 ± 0.000 χ^2/NDF : 324091008.8/14

+ sign 146.202 ± 0.000 χ^2/NDF : 4329402884.2/32
 All: 146.235 ± 0.000 χ^2/NDF : 9373764630.6
 - sign 146.268 ± 0.000 χ^2/NDF : 5044089107.2/33

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.394 ± 0.000 χ^2/NDF : 1045178.0/15

Right Out: 0.323 ± 0.000 χ^2/NDF : 1222784.7/18

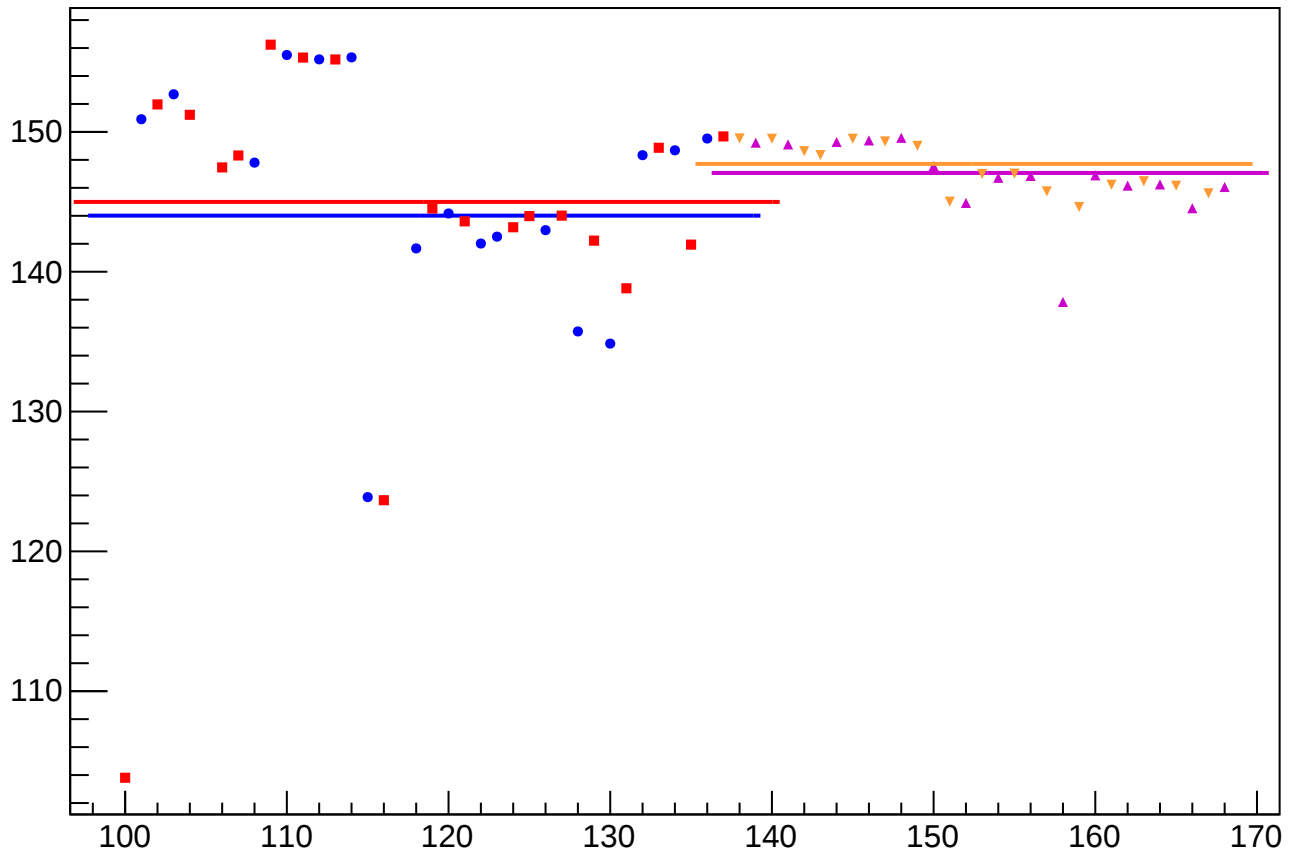
Left In: 0.403 ± 0.000 χ^2/NDF : 847216.9/14

+ sign 0.360 ± 0.000 χ^2/NDF : 2699553.4/32

All: 0.363 ± 0.000 χ^2/NDF : 5161235.3/66

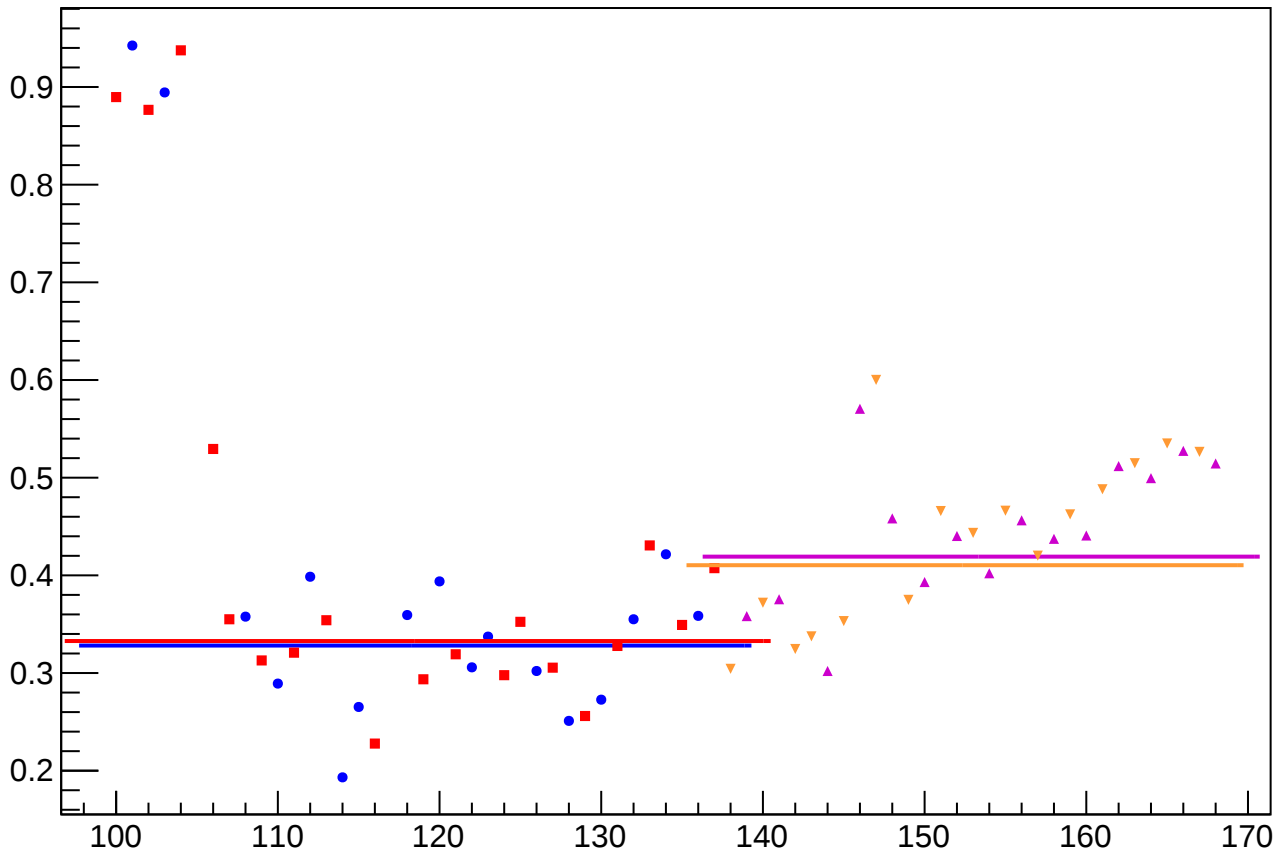
- sign 0.367 ± 0.000 χ^2/NDF : 2456566.1/33

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 ± 0.000 χ^2/NDF : 3241696920.3/16
 Left Out: 147.711 ± 0.000 χ^2/NDF : 189940066.8/15
 Right Out: 144.994 ± 0.000 χ^2/NDF : 3852381452.1/18
 Left In: 147.066 ± 0.000 χ^2/NDF : 503106441.4/14
 All: 146.101 ± 0.000 χ^2/NDF : 8303814558.4
 + sign 146.086 ± 0.000 χ^2/NDF : 3825344576.4/32
 - sign 146.117 ± 0.000 χ^2/NDF : 4478415280.4/33

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.410 ± 0.000 χ^2/NDF : 813772.6/15

Right Out: 0.333 ± 0.000 χ^2/NDF : 1185129.6/18

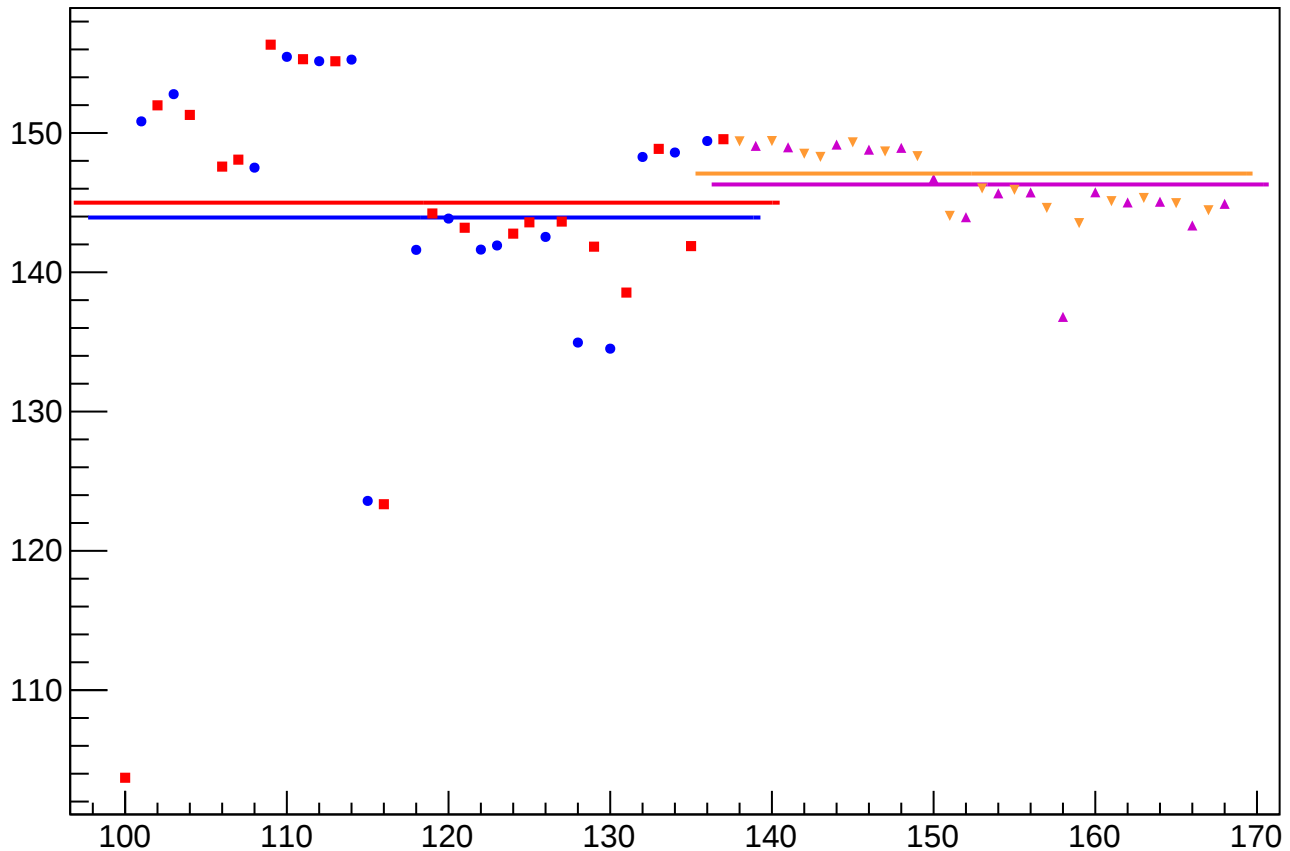
Left In: 0.419 ± 0.000 χ^2/NDF : 641519.2/14

+ sign 0.374 ± 0.000 χ^2/NDF : 2469017.5/32

All: 0.377 ± 0.000 χ^2/NDF : 4726407.9/66

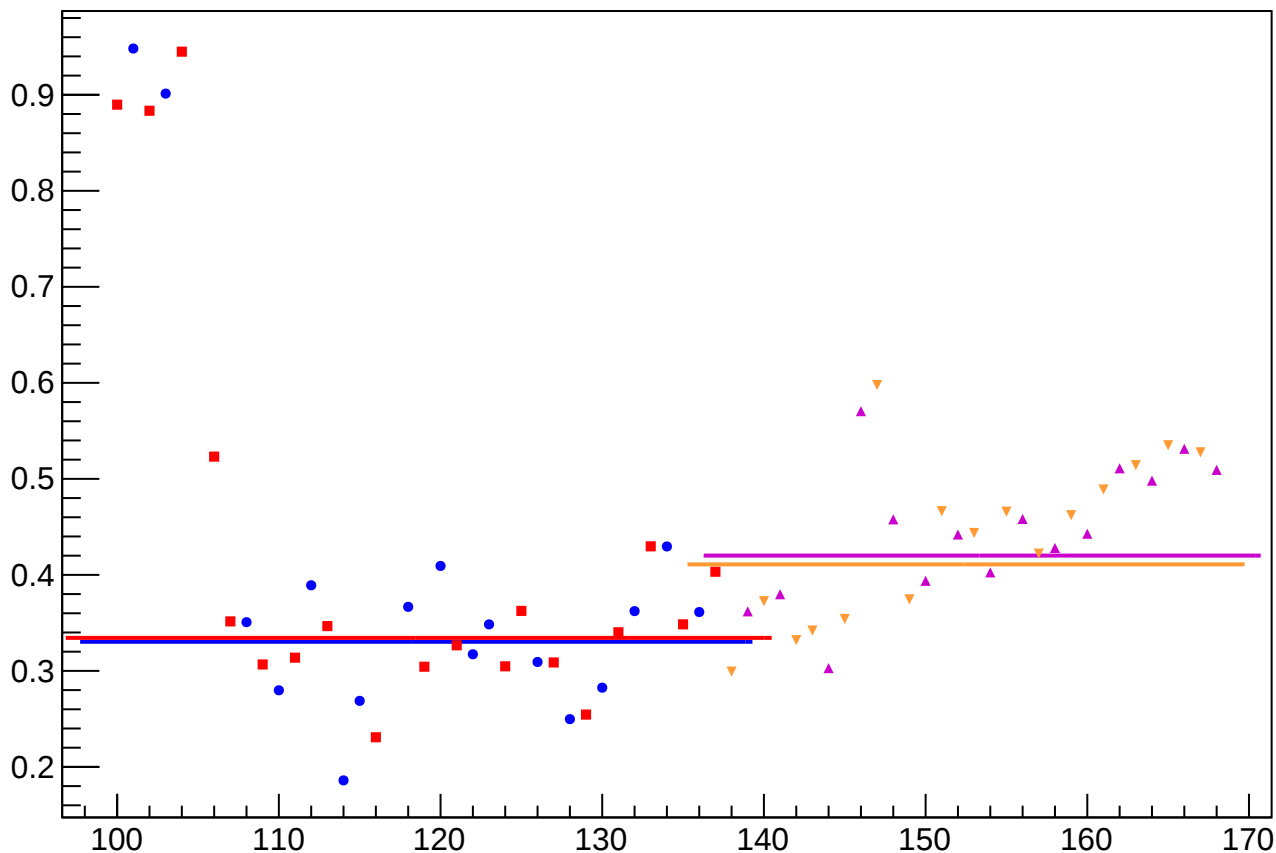
- sign 0.380 ± 0.000 χ^2/NDF : 2254062.2/33

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 $\pm$ 0.000	χ^2 /NDF: 3383012861.2/16	+ sign 145.711 $\pm$ 0.000	χ^2 /NDF: 3957293018.5/32
Left Out: 147.088 $\pm$ 0.000	χ^2 /NDF: 291058205.9/15	All: 145.710 $\pm$ 0.000	χ^2 /NDF: 8559959951.1
Right Out: 144.998 $\pm$ 0.000	χ^2 /NDF: 3932958476.0/18	- sign 145.708 $\pm$ 0.000	χ^2 /NDF: 4602666356.6/33
Left In: 146.305 $\pm$ 0.000	χ^2 /NDF: 621233633.6/14		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.411 ± 0.000 χ^2/NDF : 812270.1/15

Right Out: 0.334 ± 0.000 χ^2/NDF : 1174012.0/18

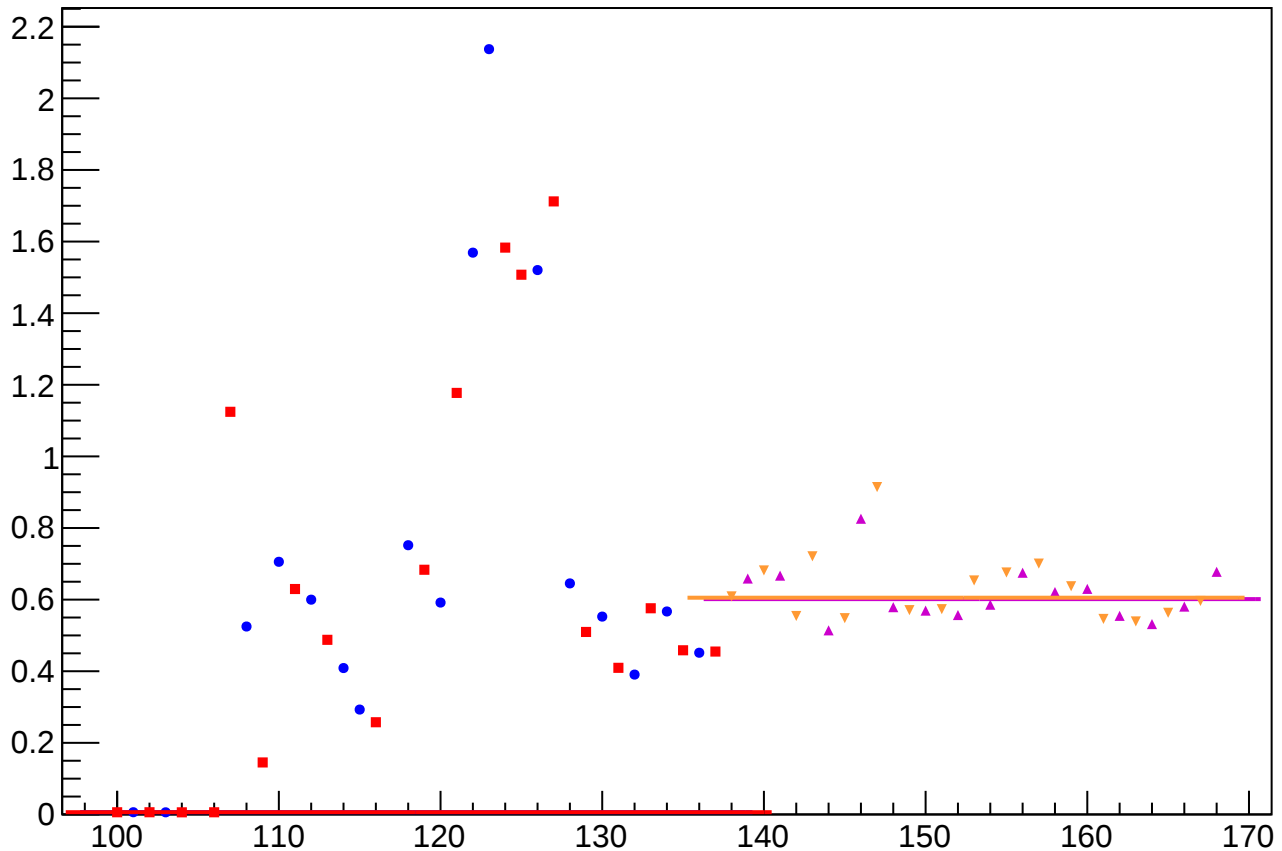
Left In: 0.420 ± 0.000 χ^2/NDF : 619950.8/14

+ sign 0.376 ± 0.000 χ^2/NDF : 2465959.3/32

All: 0.378 ± 0.000 χ^2/NDF : 4679992.4/66

- sign 0.381 ± 0.000 χ^2/NDF : 2210907.9/33

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.605+/-0.000 χ^2/NDF :255157.8/15

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

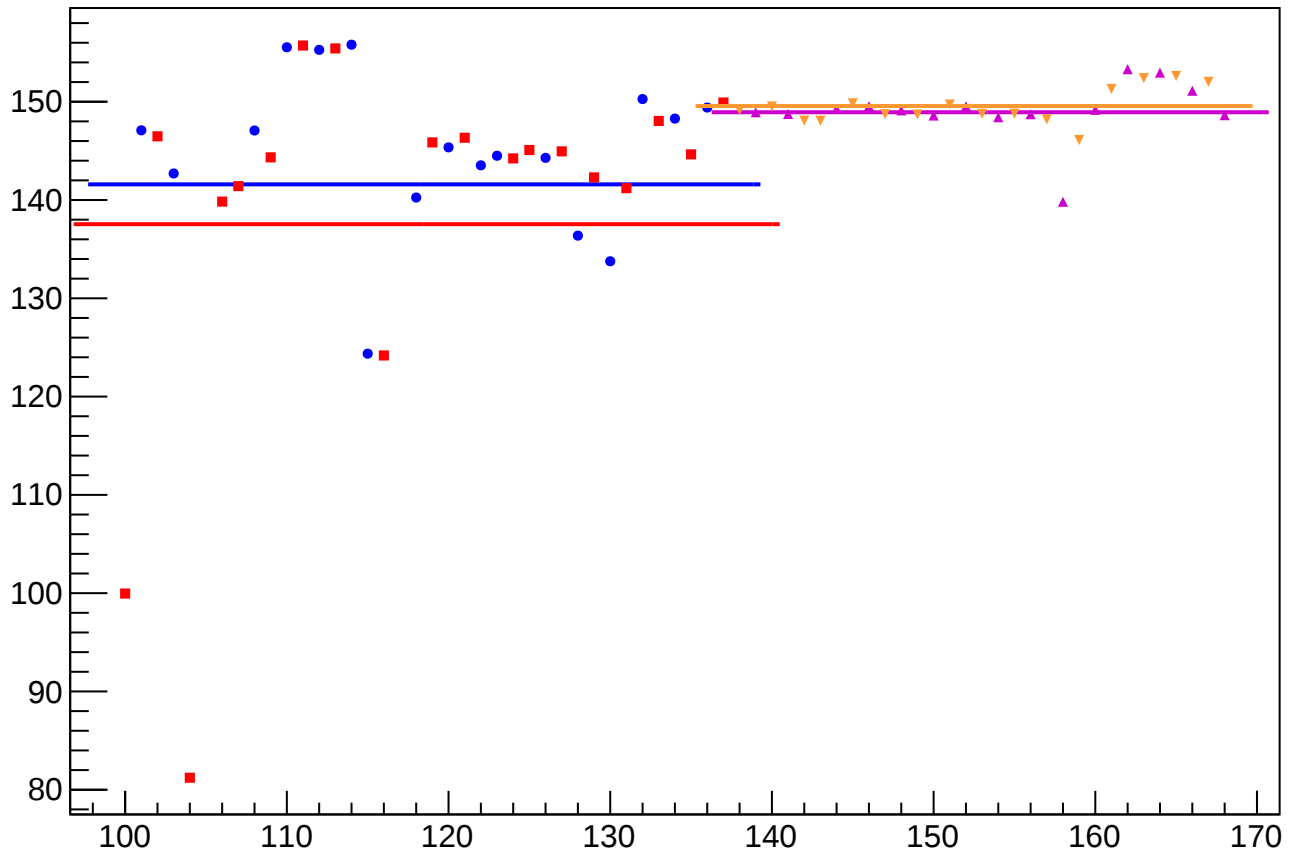
Left In: 0.601+/-0.000 χ^2/NDF :209468.4/14

+ sign 0.007+/-0.000 χ^2/NDF : 26079958.9/32

All: 0.007+/-0.000 χ^2/NDF : 52113848.6/66

- sign 0.007+/-0.000 χ^2/NDF : 26033759.3/33

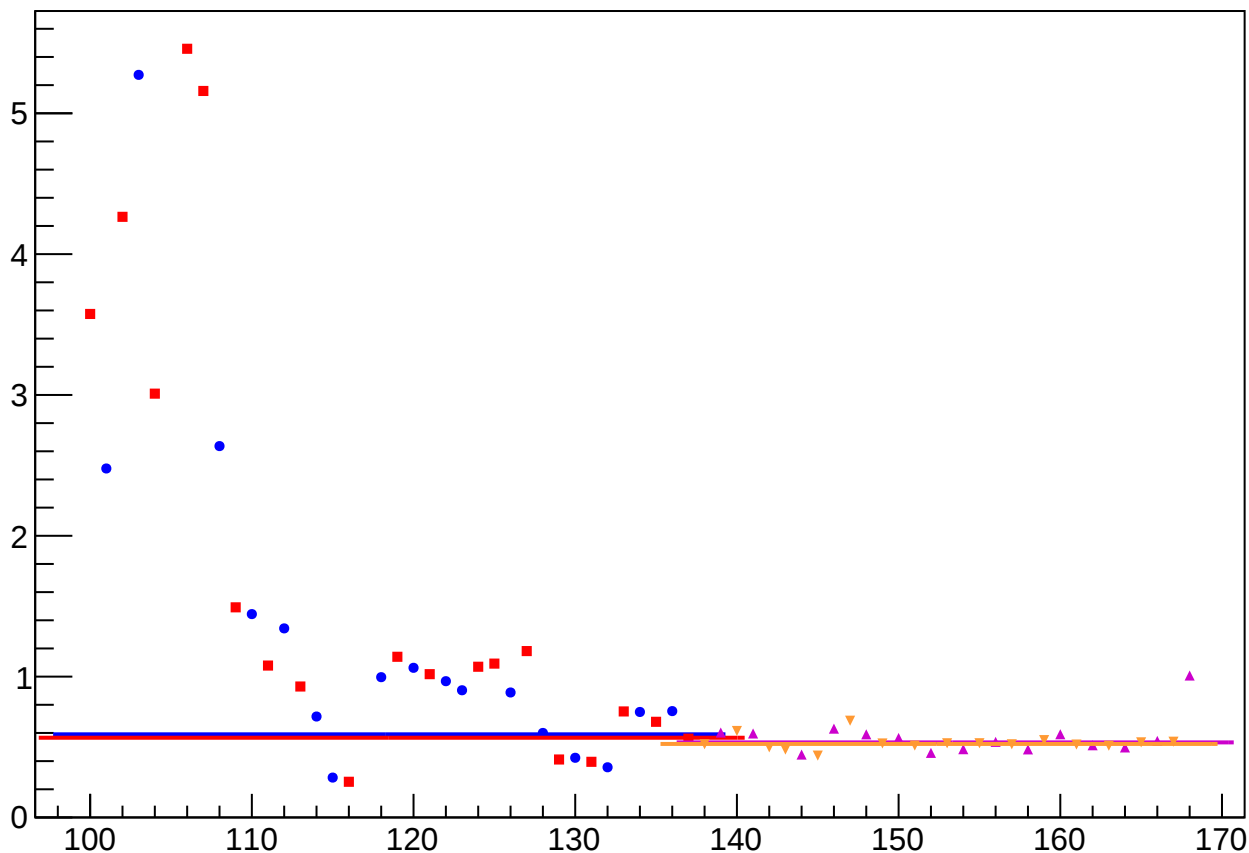
yield_cav4cQ_mean vs Slug



Right In: 141.593 ± 0.000 χ^2/NDF : 980101868.2/16
 Left Out: 149.565 ± 0.000 χ^2/NDF : 119654760.5/15
 Right Out: 137.539 ± 0.000 χ^2/NDF : 1316096307.7/18
 Left In: 148.930 ± 0.000 χ^2/NDF : 363114069.2/14

+ sign 147.913 ± 0.000 χ^2/NDF : 1608370950.1/32
 All: 147.136 ± 0.000 χ^2/NDF : 4410317390.0
 - sign 146.320 ± 0.000 χ^2/NDF : 2741692791.1/33

yield_cav4cQ_rms vs Slug



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.522 $\pm$ 0.000 χ^2 /NDF:170997.0/15

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

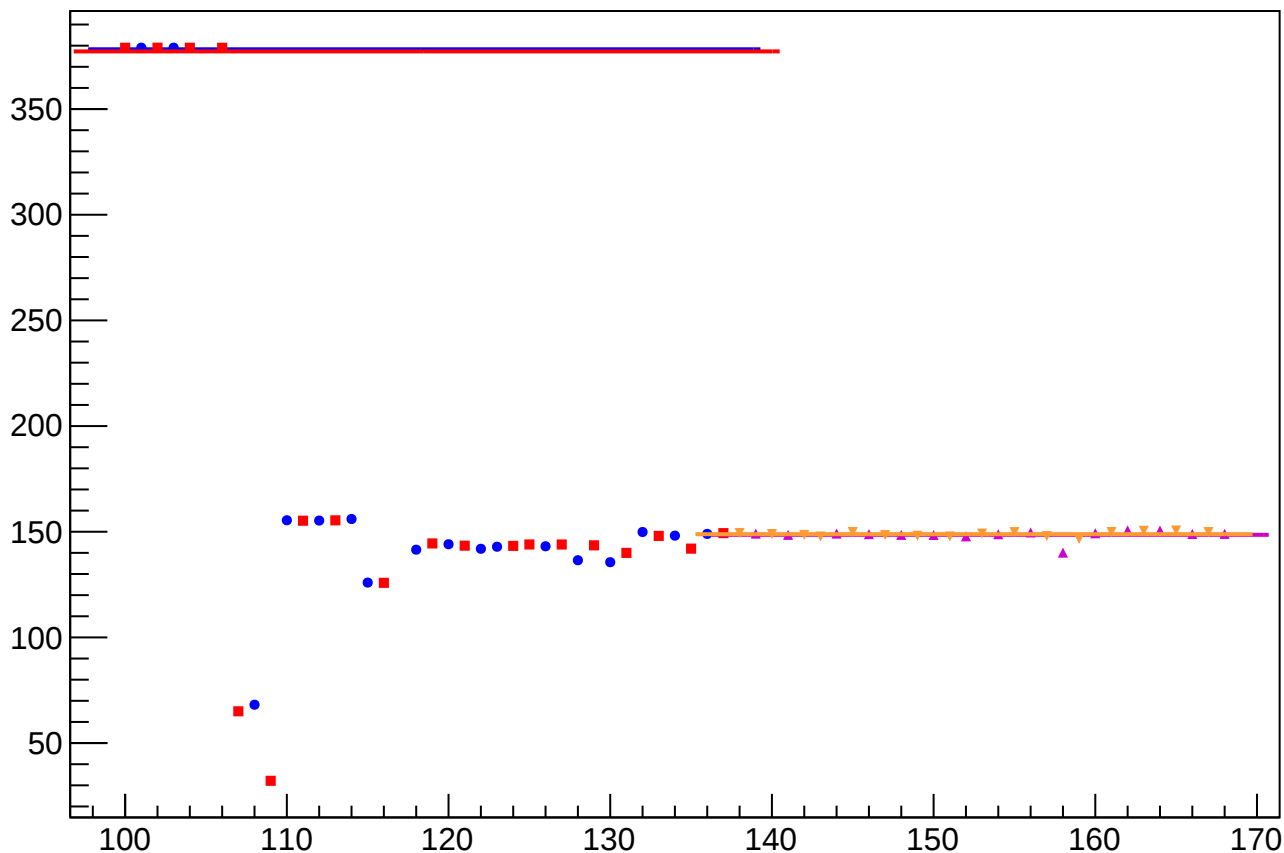
Left In: 0.533 $\pm$ 0.000 χ^2 /NDF:541979.0/14

+ sign 0.536 $\pm$ 0.000 χ^2 /NDF: 3737455.7/32

All: 0.538 $\pm$ 0.000 χ^2 /NDF: 8981858.9/66

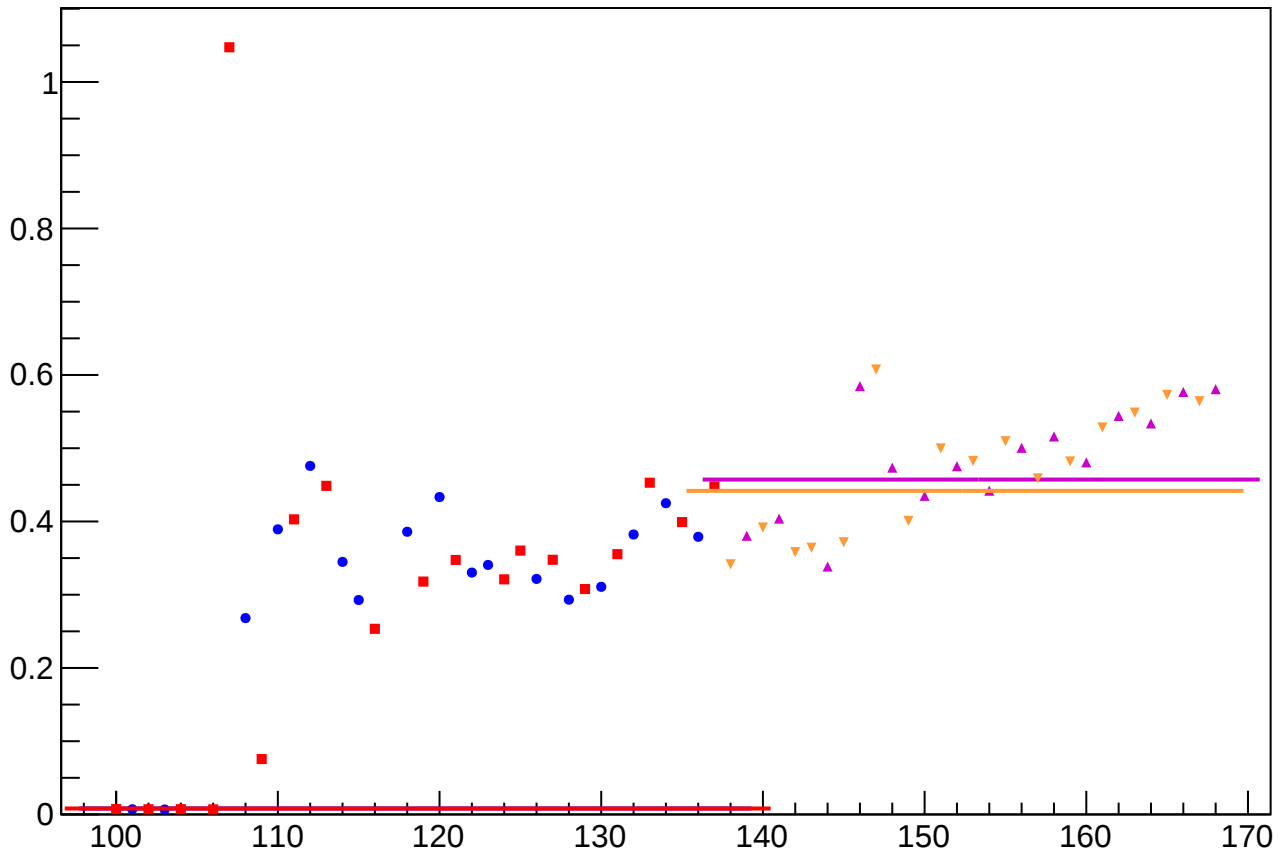
- sign 0.541 $\pm$ 0.000 χ^2 /NDF: 5243488.2/33

yield_cav4dQ_mean vs Slug



Right In: 378.283 $\pm$ 0.000 χ^2 /NDF: 2508313421453.8/16
 Left Out: 148.838 $\pm$ 0.000 χ^2 /NDF: 59923019.5/15
 Right Out: 377.287 $\pm$ 0.000 χ^2 /NDF: 8286303106836.4/18
 Left In: 148.539 $\pm$ 0.000 χ^2 /NDF: 233783749.3/14

yield_cav4dQ_rms vs Slug



Right In: 0.008 ± 0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.442 ± 0.000 χ^2/NDF : 736168.5/15

Right Out: 0.008 ± 0.000 χ^2/NDF : 9522827.2/18

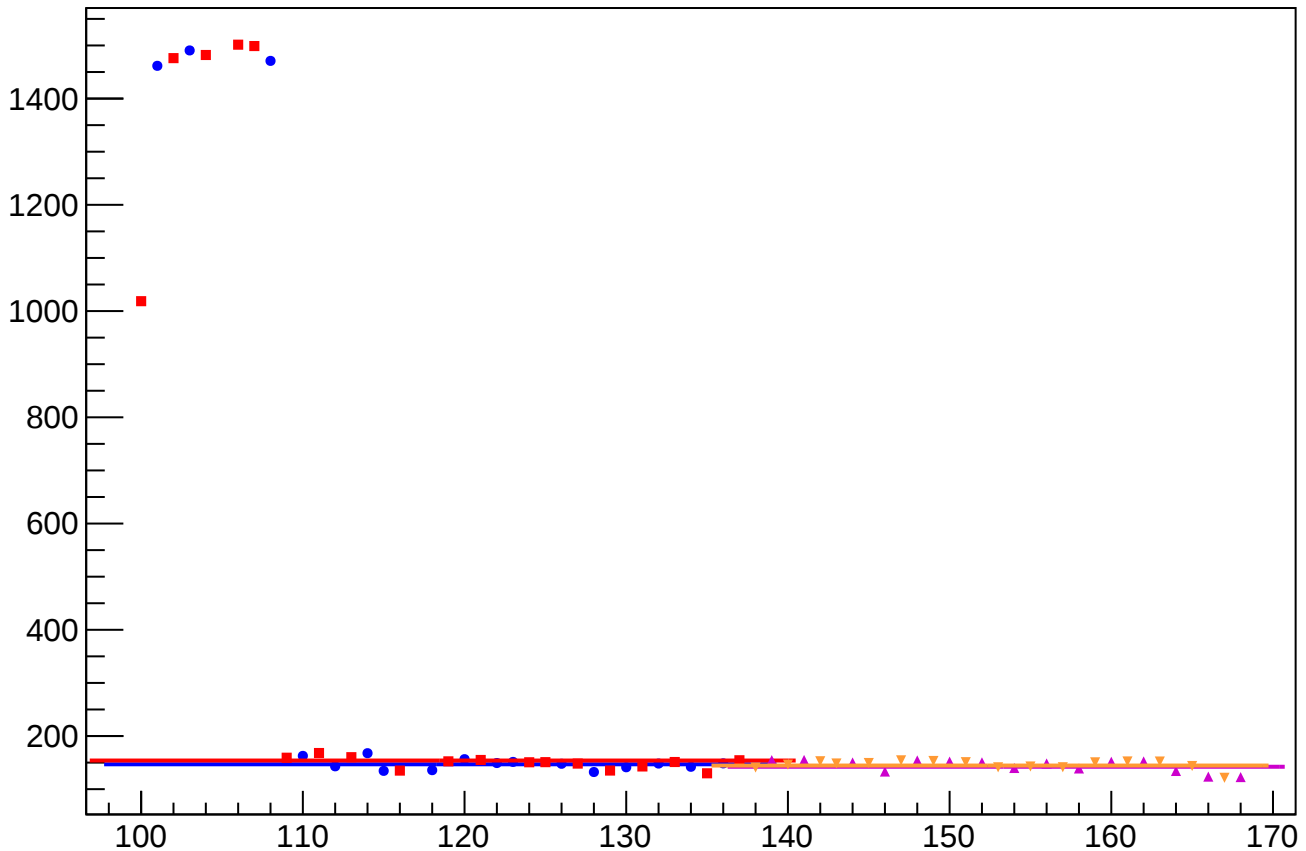
Left In: 0.457 ± 0.000 χ^2/NDF : 595877.9/14

+ sign 0.010 ± 0.000 χ^2/NDF : 31958561.6/32

All: 0.010 ± 0.000 χ^2/NDF : 63370239.9/66

- sign 0.010 ± 0.000 χ^2/NDF : 31410656.8/33

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 144.465+/-0.000 χ^2/NDF : 1165733374.9/15

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

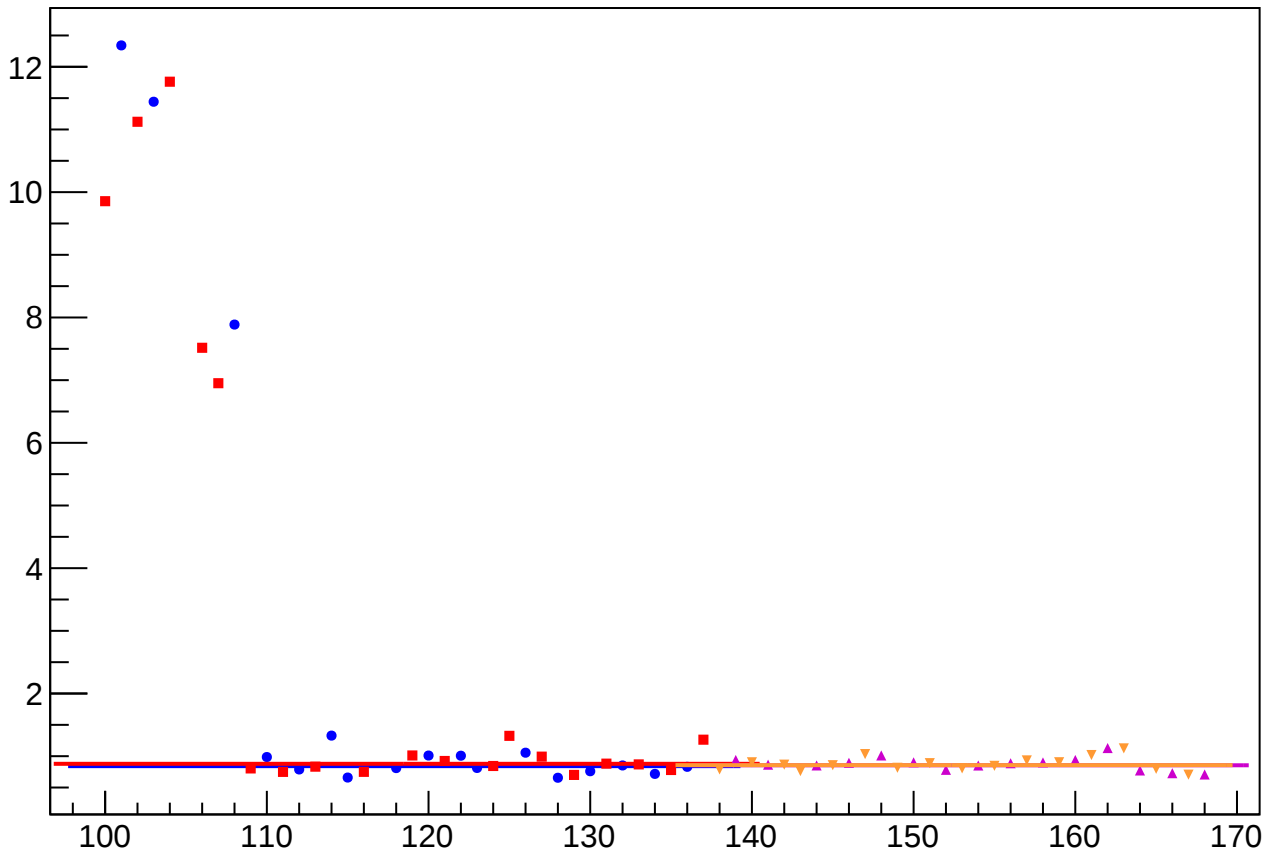
Left In: 142.189+/-0.000 χ^2/NDF : 1779416672.1/14

+ sign 145.151+/-0.000 χ^2/NDF : 25547412670.7/32

All: 145.357+/-0.000 χ^2/NDF : 61582366285.0

- sign 145.562+/-0.000 χ^2/NDF : 36033404142.2/33

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.857 ± 0.000 χ^2/NDF : 273346.1/15

Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

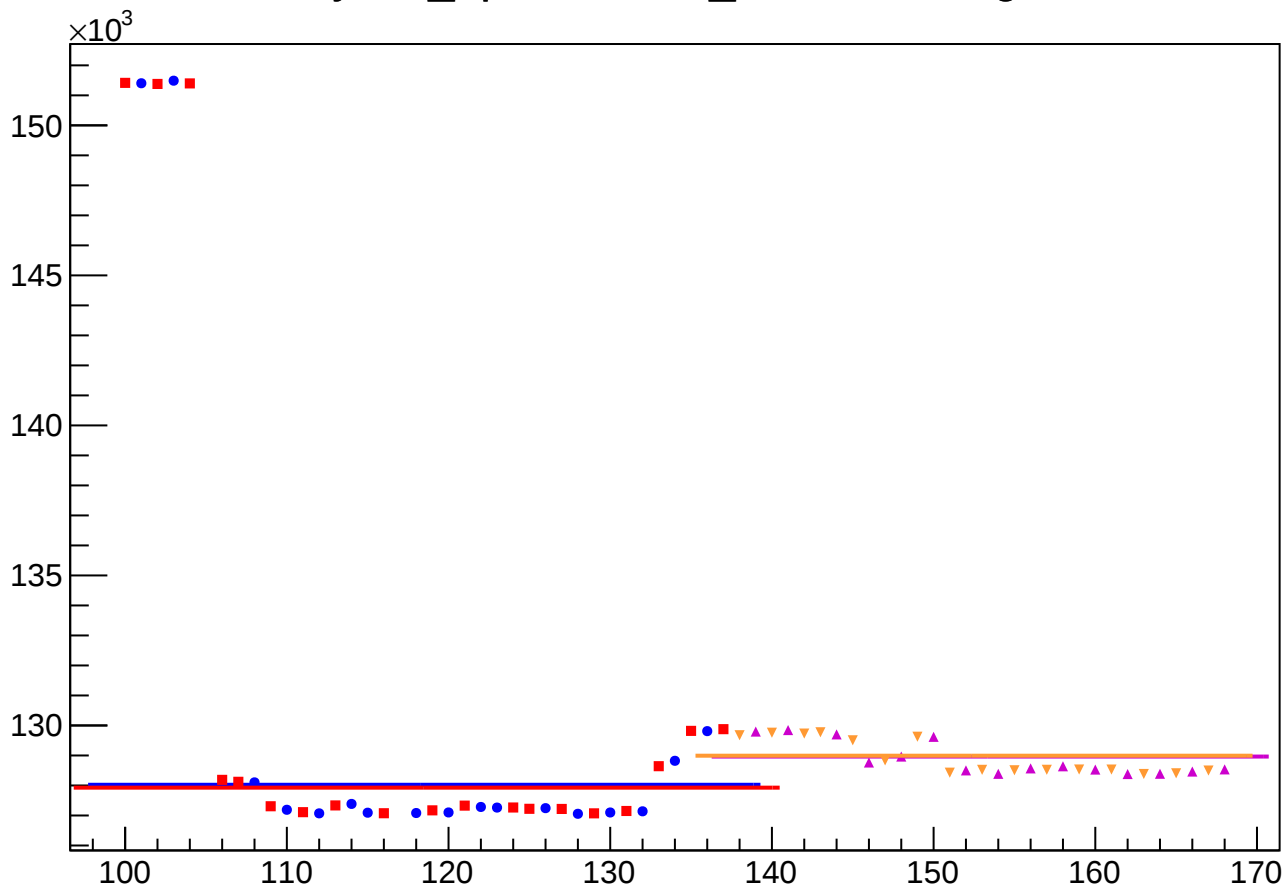
Left In: 0.855 ± 0.000 χ^2/NDF : 266509.7/14

+ sign 0.852 ± 0.000 χ^2/NDF : 2937618.3/32

All: 0.857 ± 0.000 χ^2/NDF : 6024450.2/66

- sign 0.862 ± 0.000 χ^2/NDF : 3085244.5/33

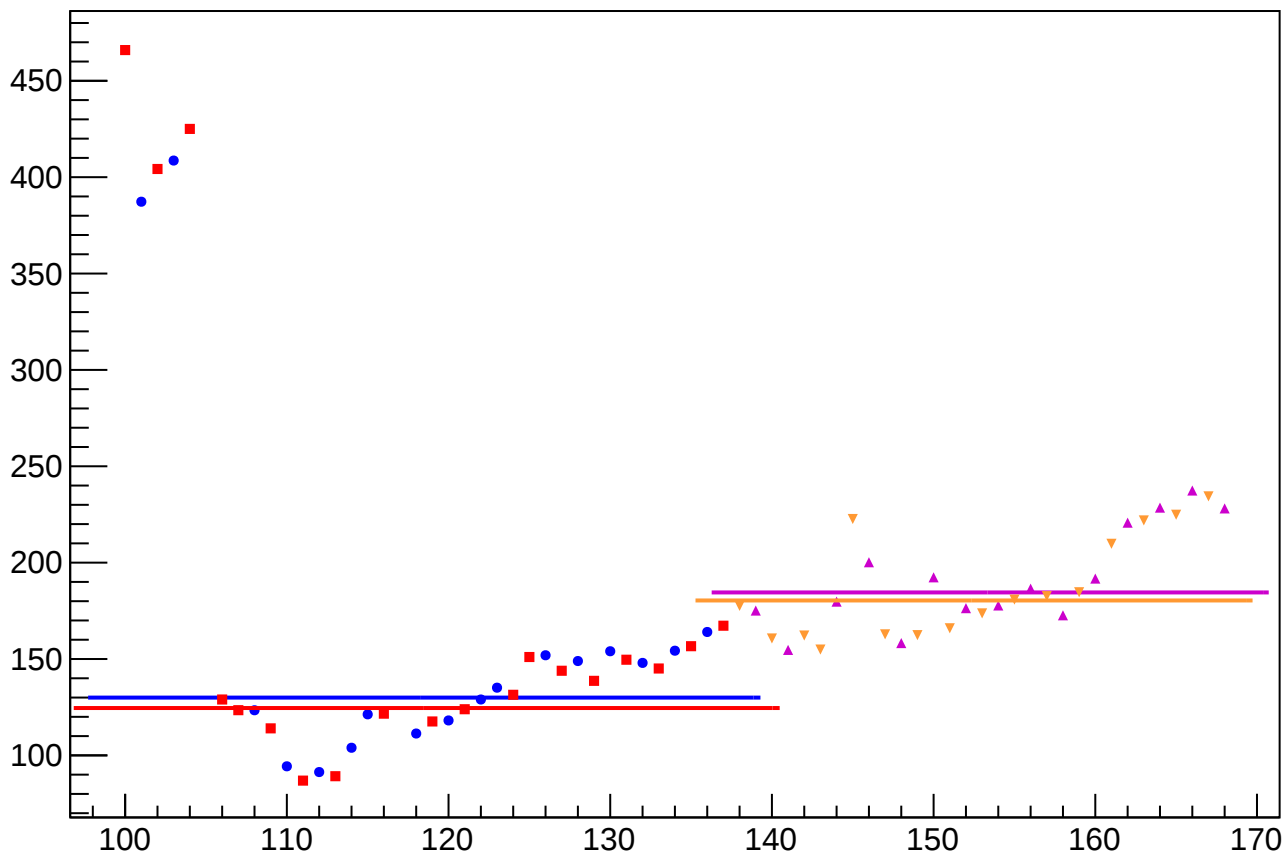
yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 ± 0.055 $\chi^2/\text{NDF}: 4316540586.9/16$
 Left Out: 128992.511 ± 0.053 $\chi^2/\text{NDF}: 118358394.1/15$
 Right Out: 127927.471 ± 0.050 $\chi^2/\text{NDF}: 3767047216.9/18$
 Left In: 128963.763 ± 0.055 $\chi^2/\text{NDF}: 107519504.7/14$

+ sign 128522.181 ± 0.038 $\chi^2/\text{NDF}: 4597345826.7$
 All: 128461.518 ± 0.027 $\chi^2/\text{NDF}: 86714625$
 - sign 128403.919 ± 0.037 $\chi^2/\text{NDF}: 4069147541.4$

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 ± 0.039 $\chi^2/\text{NDF}: 1485519.5/16$

Left Out: 180.377 ± 0.037 $\chi^2/\text{NDF}: 392696.9/15$

Right Out: 124.566 ± 0.036 $\chi^2/\text{NDF}: 1531273.9/18$

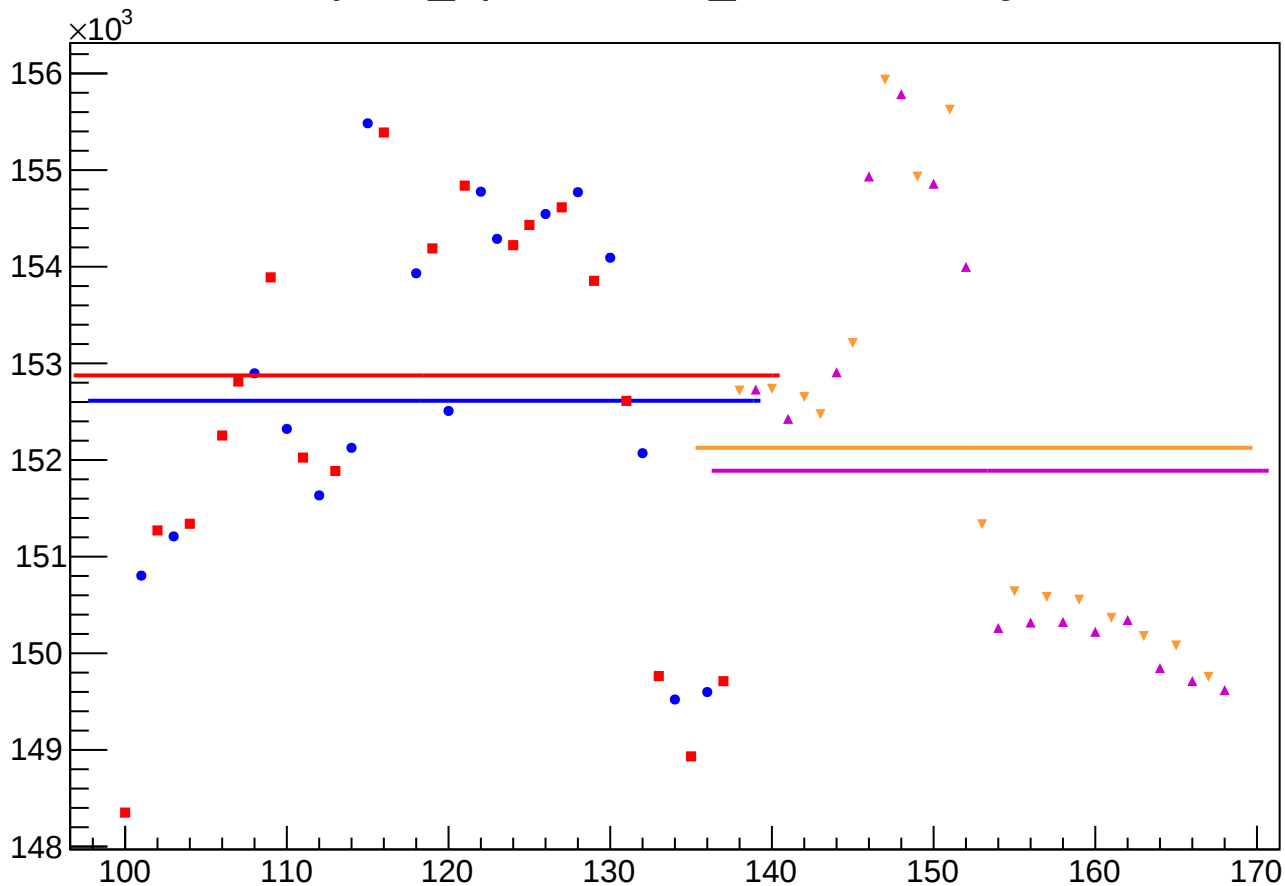
Left In: 184.544 ± 0.039 $\chi^2/\text{NDF}: 339826.1/14$

+ sign 155.915 ± 0.027 $\chi^2/\text{NDF}: 2757093.5/32$

All: 153.979 ± 0.019 $\chi^2/\text{NDF}: 5941899.7/66$

- sign 152.141 ± 0.026 $\chi^2/\text{NDF}: 3174687.8/33$

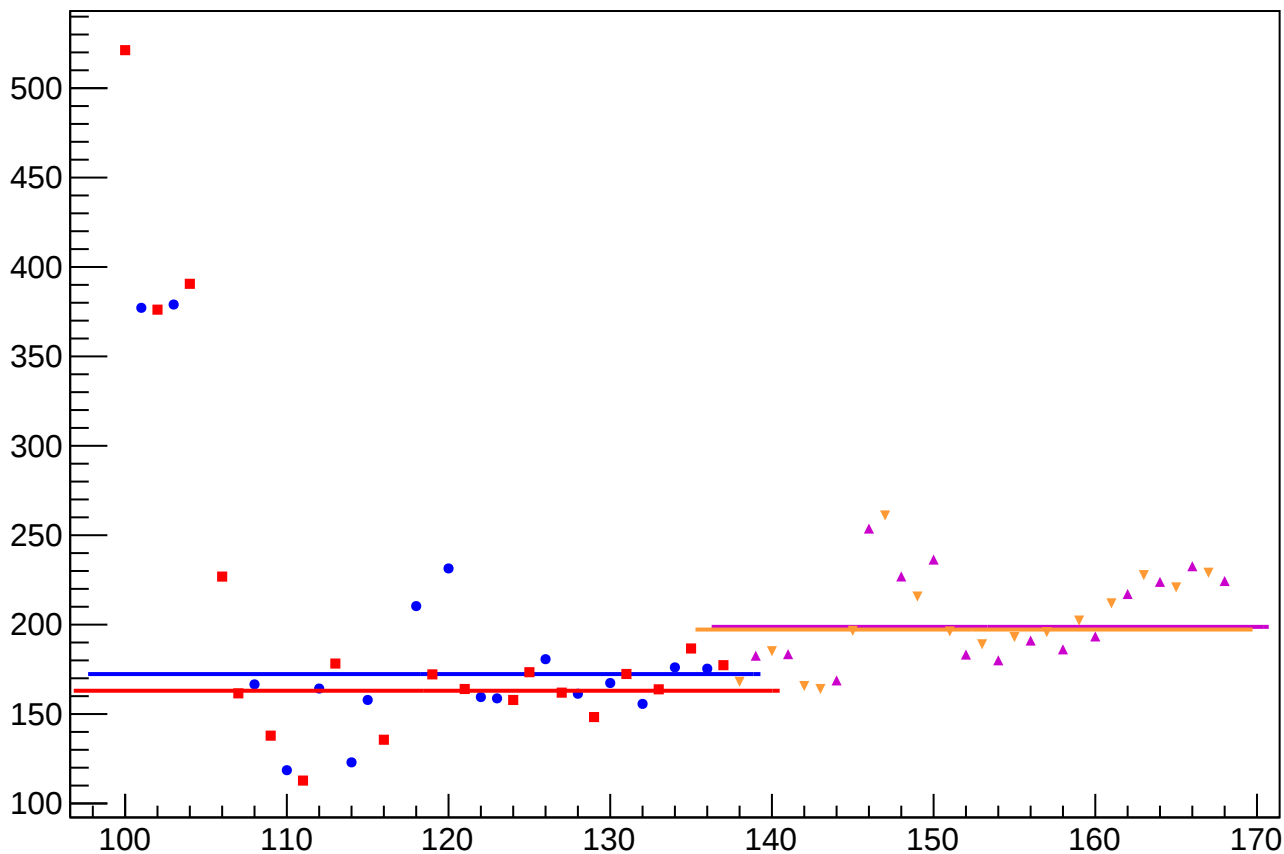
yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 ± 0.072 $\chi^2/\text{NDF}: 623356098.4/16$
 Left Out: 152126.279 ± 0.058 $\chi^2/\text{NDF}: 1001022007.5/15$
 Right Out: 152875.313 ± 0.066 $\chi^2/\text{NDF}: 716358700.9/18$
 Left In: 151889.019 ± 0.059 $\chi^2/\text{NDF}: 1093791782.2/14$

+ sign 152317.045 ± 0.045 $\chi^2/\text{NDF}: 1651978925.6$
 All: 152321.148 ± 0.032 $\chi^2/\text{NDF}: 358600217$
 - sign 152325.032 ± 0.044 $\chi^2/\text{NDF}: 1934007231.4$

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 ± 0.051 $\chi^2/\text{NDF}: 921911.1/16$

Left Out: 197.248 ± 0.041 $\chi^2/\text{NDF}: 321708.6/15$

Right Out: 163.029 ± 0.047 $\chi^2/\text{NDF}: 1032736.0/18$

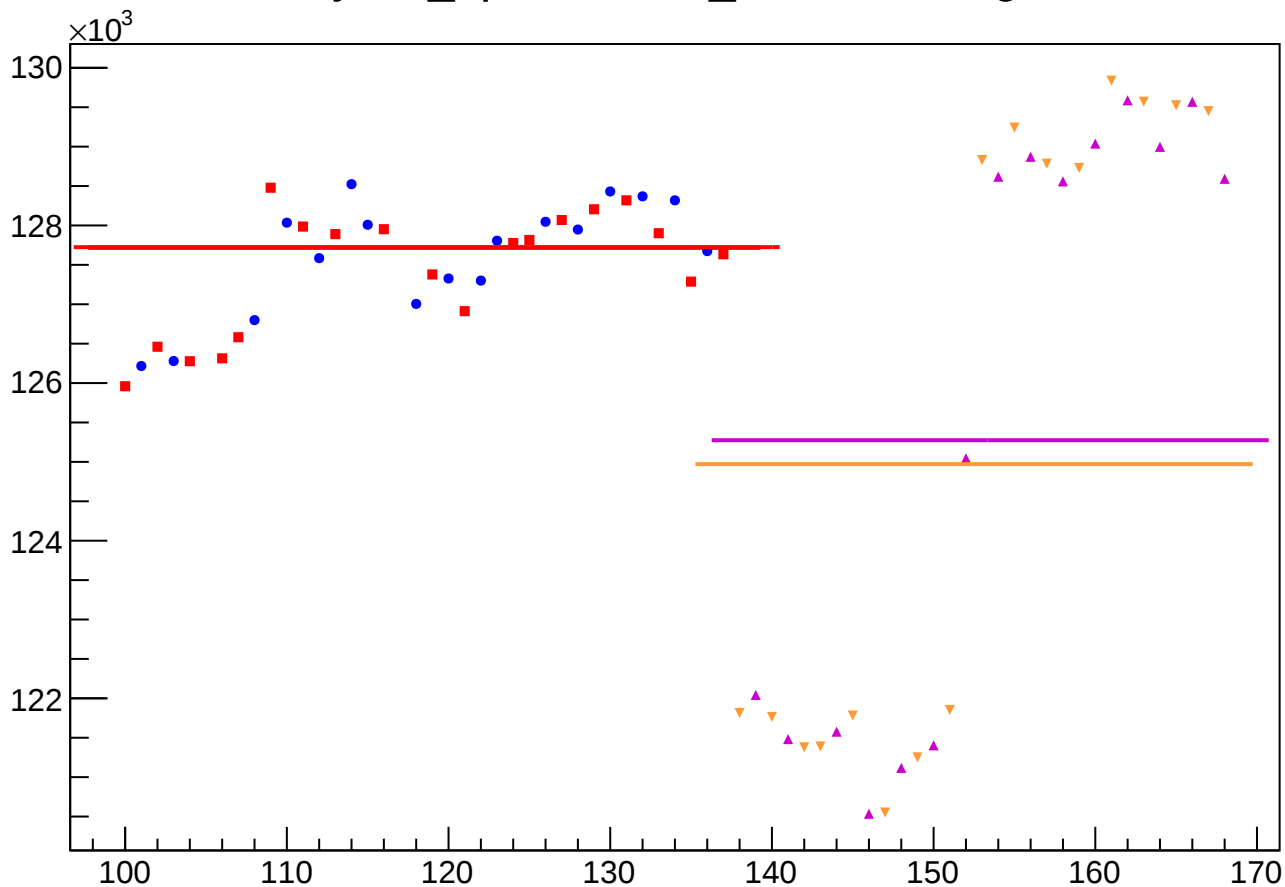
Left In: 198.755 ± 0.042 $\chi^2/\text{NDF}: 328357.8/14$

+ sign 187.492 ± 0.032 $\chi^2/\text{NDF}: 1387981.6/32$

All: 185.165 ± 0.022 $\chi^2/\text{NDF}: 3084380.1/66$

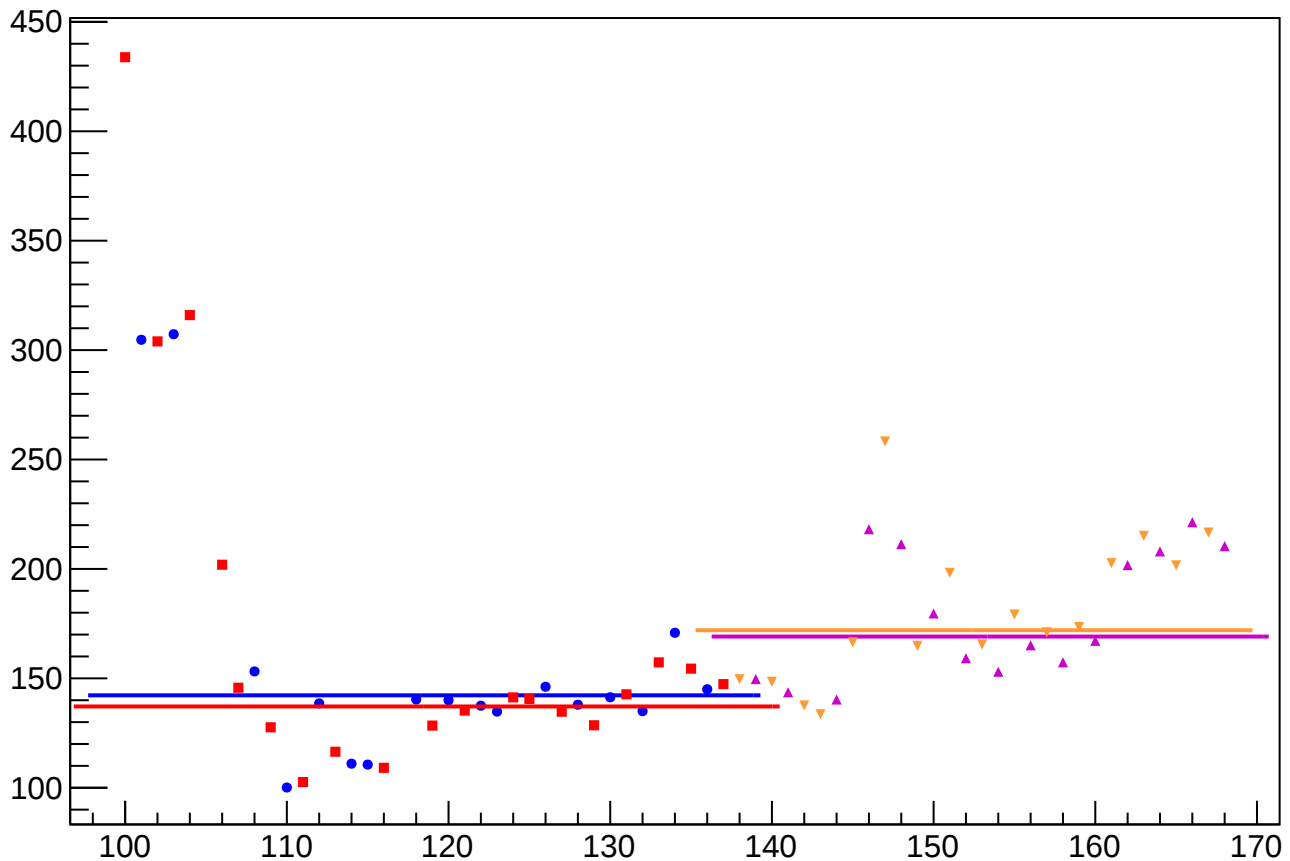
- sign 182.961 ± 0.031 $\chi^2/\text{NDF}: 1686092.9/33$

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888+/-0.058 $\chi^2/\text{NDF: } 95177660.2/16$
 Left Out: 124971.515+/-0.051 $\chi^2/\text{NDF: } 5540257460.5/15$
 Right Out: 127724.519+/-0.055 $\chi^2/\text{NDF: } 112550604.4/18$
 Left In: 125274.806+/-0.051 $\chi^2/\text{NDF: } 4995686795.5/14$
 + sign 126167.500+/-0.038 $\chi^2/\text{NDF: } 6888844958.3$
 All: 126291.807+/-0.027 $\chi^2/\text{NDF: } 131027512$
 - sign 126407.279+/-0.037 $\chi^2/\text{NDF: } 6193758310.0$

yield_bpm0l01WS_rms vs Slug



Right In: 142.240+/-0.041 χ^2/NDF : 836415.1/16

Left Out: 171.978+/-0.036 χ^2/NDF : 626241.1/15

Right Out: 137.151+/-0.039 χ^2/NDF : 957730.8/18

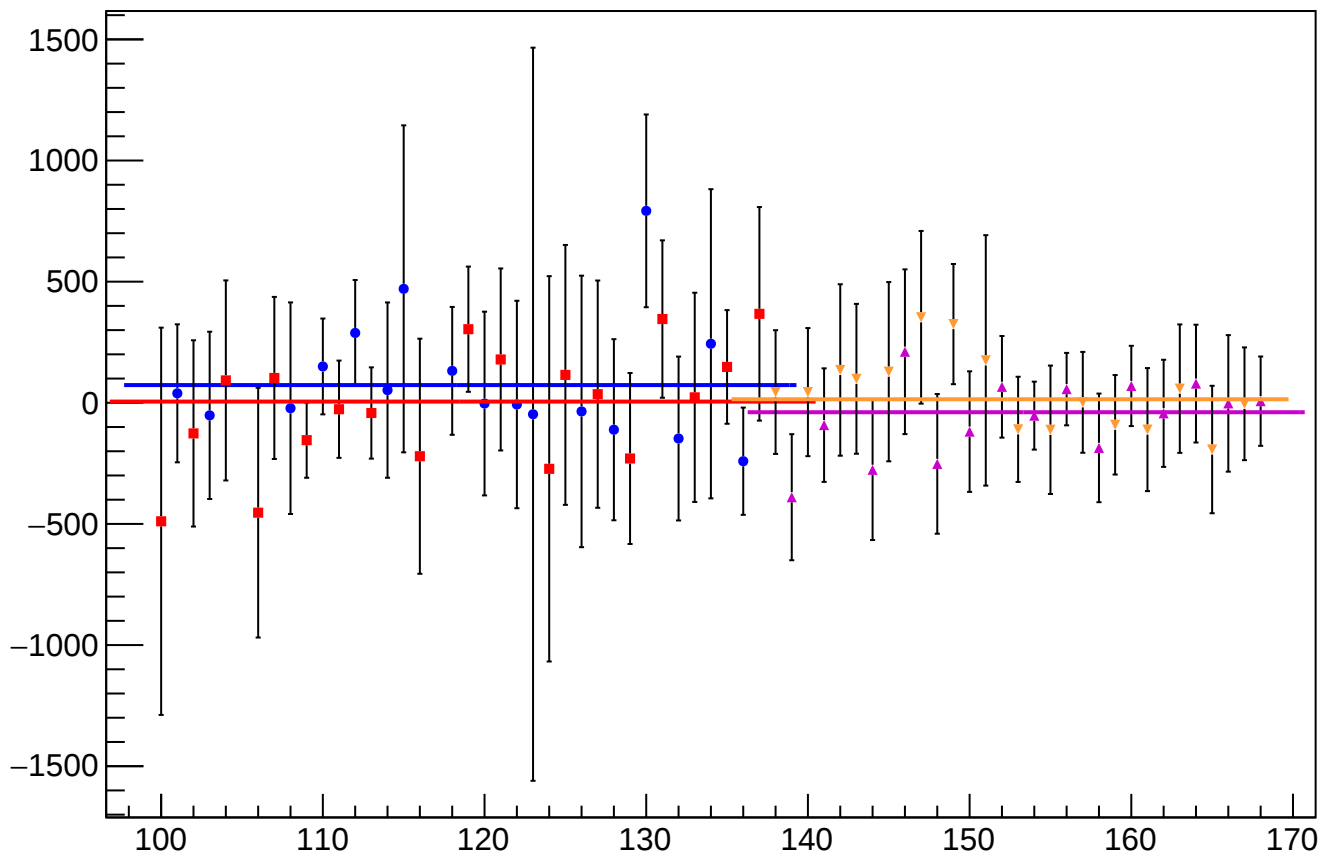
Left In: 169.094+/-0.036 χ^2/NDF : 532994.6/14

+ sign 159.028+/-0.027 χ^2/NDF : 1756576.3/32

All: 156.591+/-0.019 χ^2/NDF : 3631919.4/66

- sign 154.327+/-0.026 χ^2/NDF : 1859854.9/33

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 14.495+/-66.202 χ^2/NDF : 4.6/15

Right Out: 5.021+/-70.098 χ^2/NDF : 7.1/18

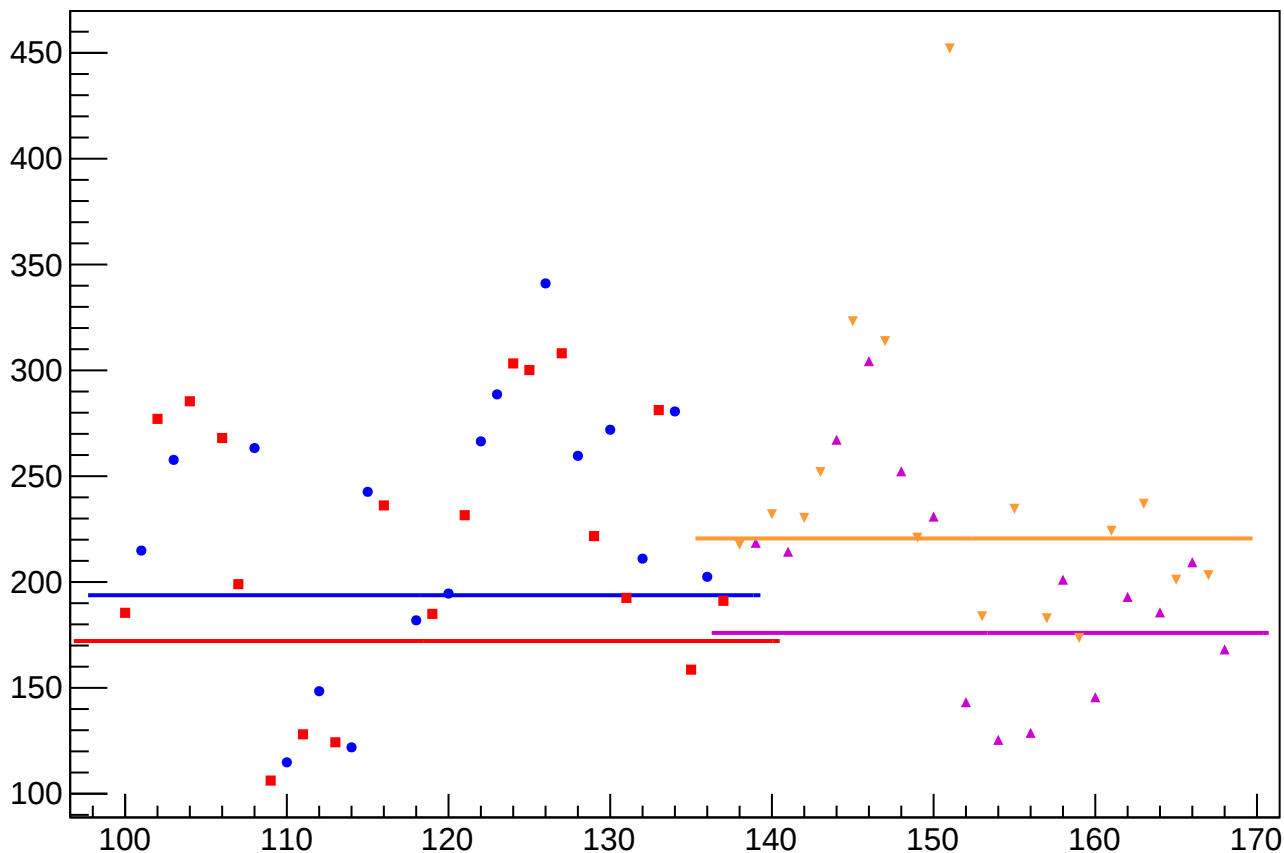
Left In: -38.967+/-54.576 χ^2/NDF : 5.6/14

+ sign 38.460+/-50.900 χ^2/NDF : 12.8/32

All: 3.009+/-32.876 χ^2/NDF : 26.5/66

- sign -22.366+/-43.063 χ^2/NDF : 12.9/33

asym_bcm_an_ds_rms vs Slug



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 220.592 $\pm$ 0.047 χ^2 /NDF: 981651.5/15

Right Out: 172.142 $\pm$ 0.050 χ^2 /NDF: 1580035.1/18

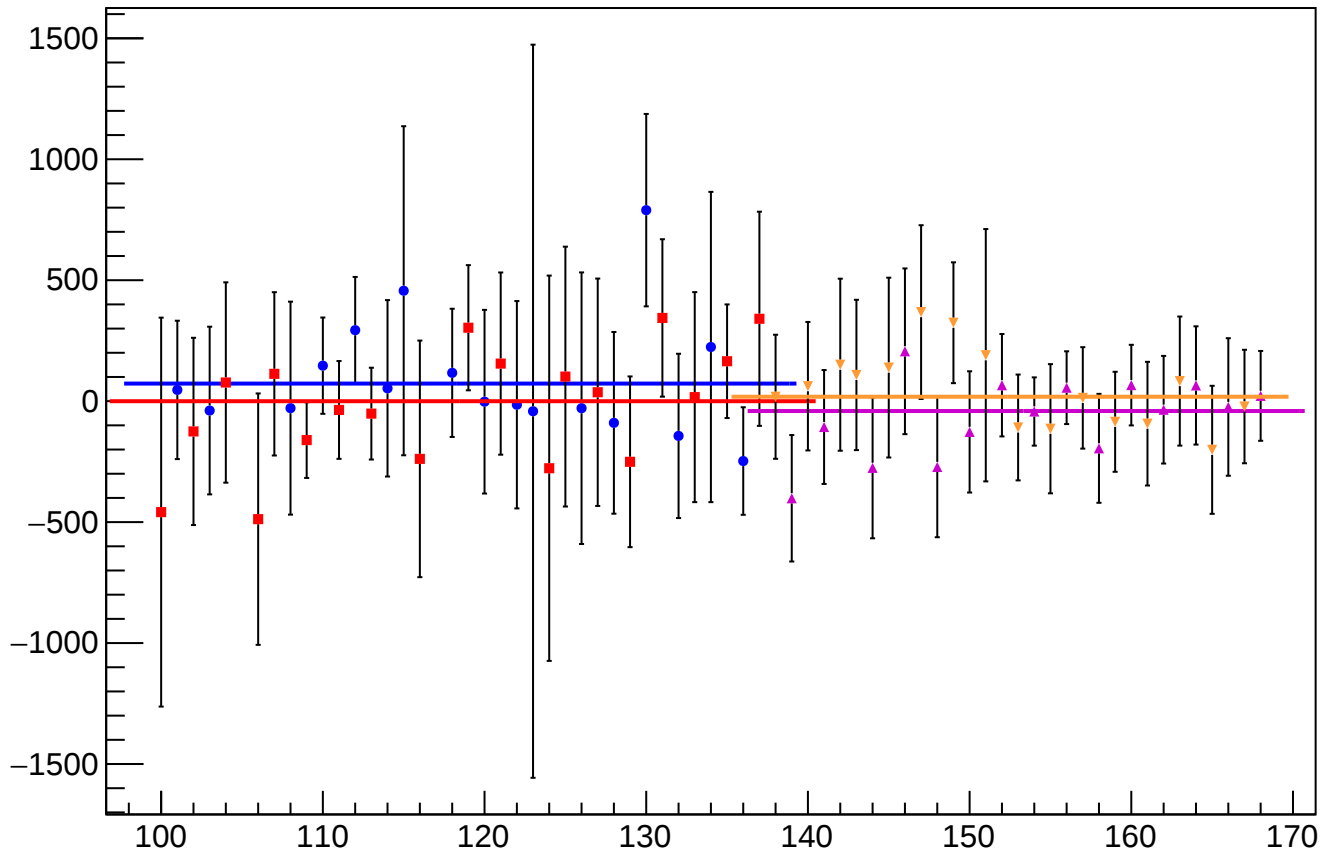
Left In: 175.980 $\pm$ 0.039 χ^2 /NDF: 1475089.1/14

+ sign 209.627 $\pm$ 0.036 χ^2 /NDF: 2132934.3/32

All: 189.172 $\pm$ 0.023 χ^2 /NDF: 5745947.0/66

- sign 174.531 $\pm$ 0.030 χ^2 /NDF: 3058856.7/33

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 18.337+/-66.634 χ^2/NDF : 4.7/15

Right Out: -0.181+/-70.467 χ^2/NDF : 7.3/18

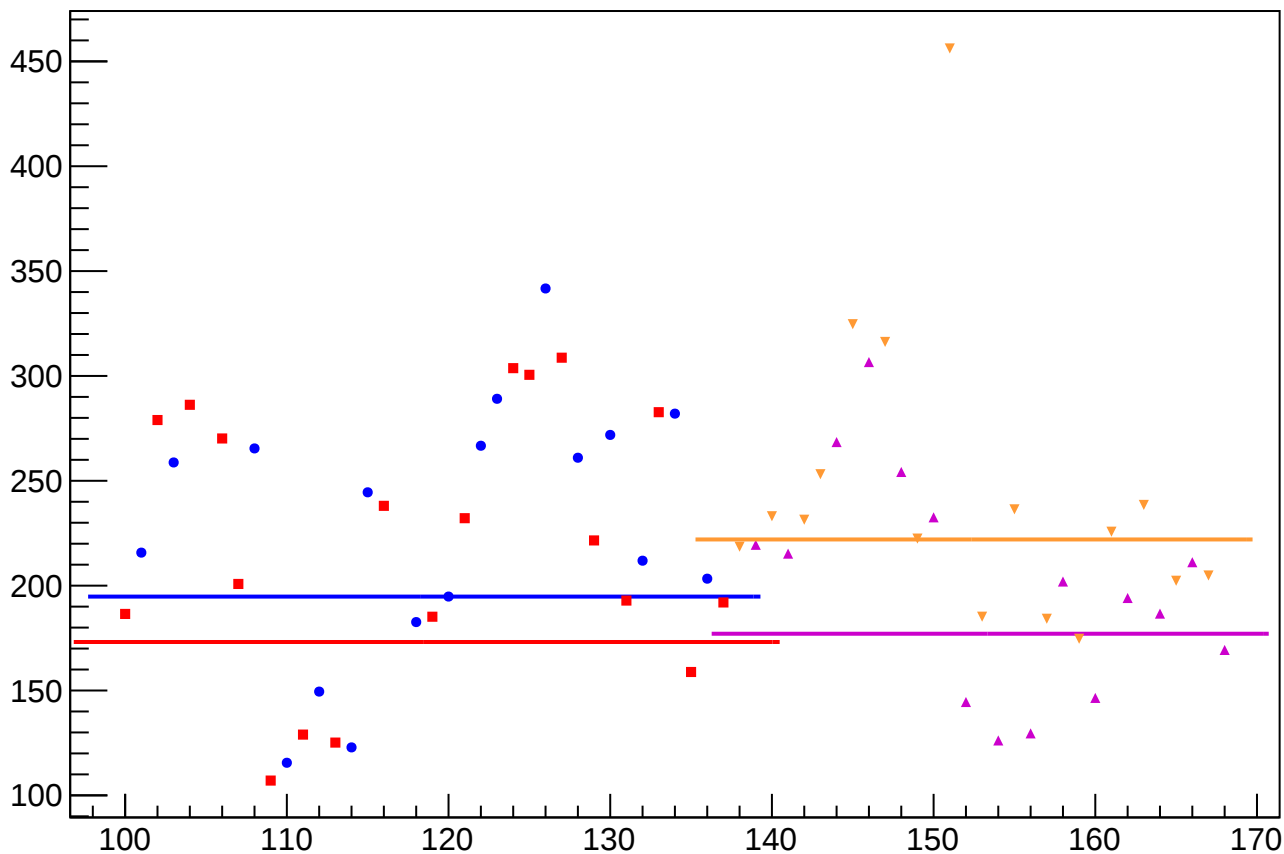
Left In: -40.748+/-54.915 χ^2/NDF : 5.8/14

+ sign 40.597+/-51.198 χ^2/NDF : 12.7/32

All: 2.120+/-33.068 χ^2/NDF : 27.0/66

- sign -25.420+/-43.315 χ^2/NDF : 13.2/33

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 222.028 $\pm$ 0.047 χ^2 /NDF: 980812.2/15

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

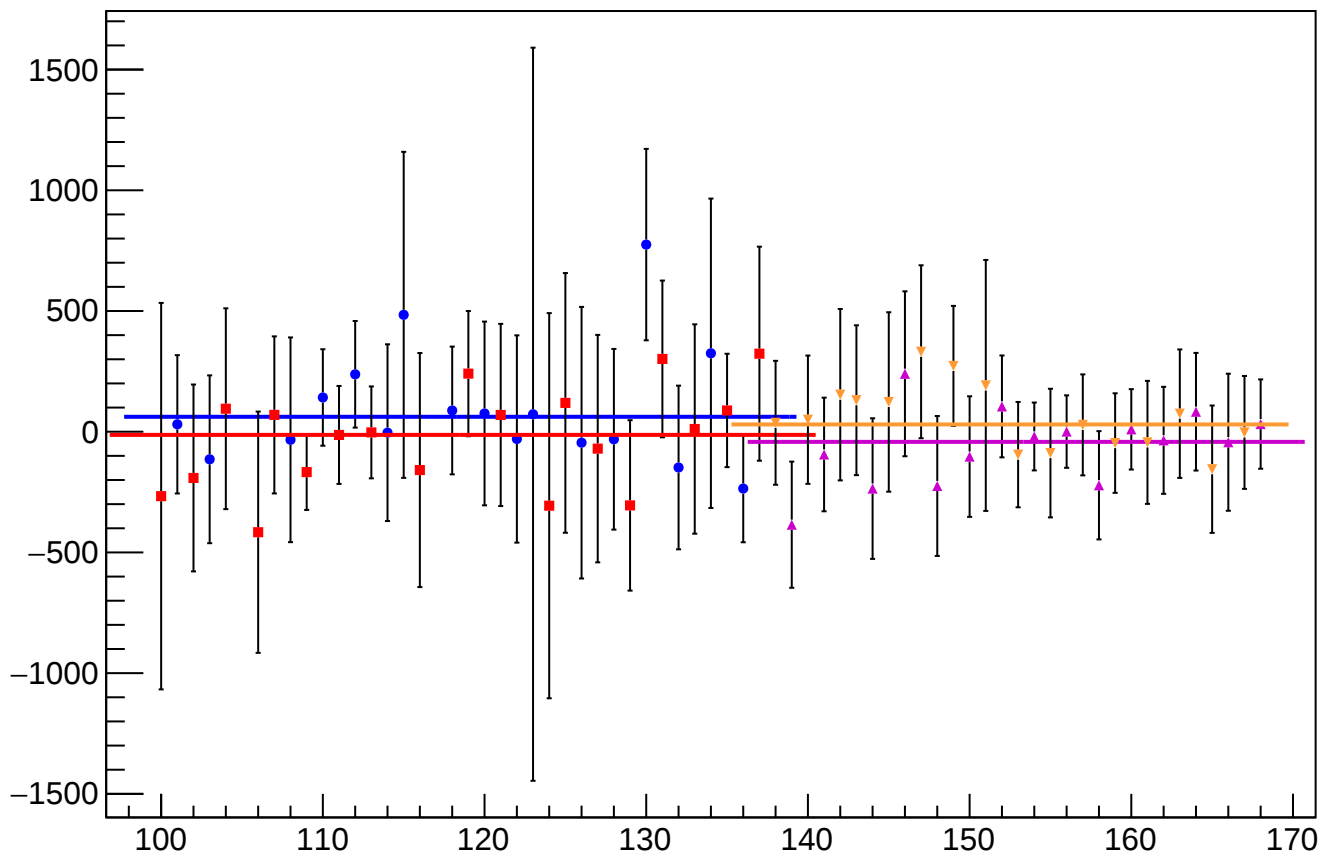
Left In: 177.071 $\pm$ 0.039 χ^2 /NDF: 1473596.4/14

+ sign 210.867 $\pm$ 0.036 χ^2 /NDF: 2126079.6/32

All: 190.302 $\pm$ 0.023 χ^2 /NDF: 5724753.5/66

- sign 175.583 $\pm$ 0.031 χ^2 /NDF: 3045042.7/33

asym_bcm_an_us_mean vs Slug



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 30.119+/-66.480 χ^2/NDF : 3.3/15

Right Out: -13.101+/-70.391 χ^2/NDF : 5.8/18

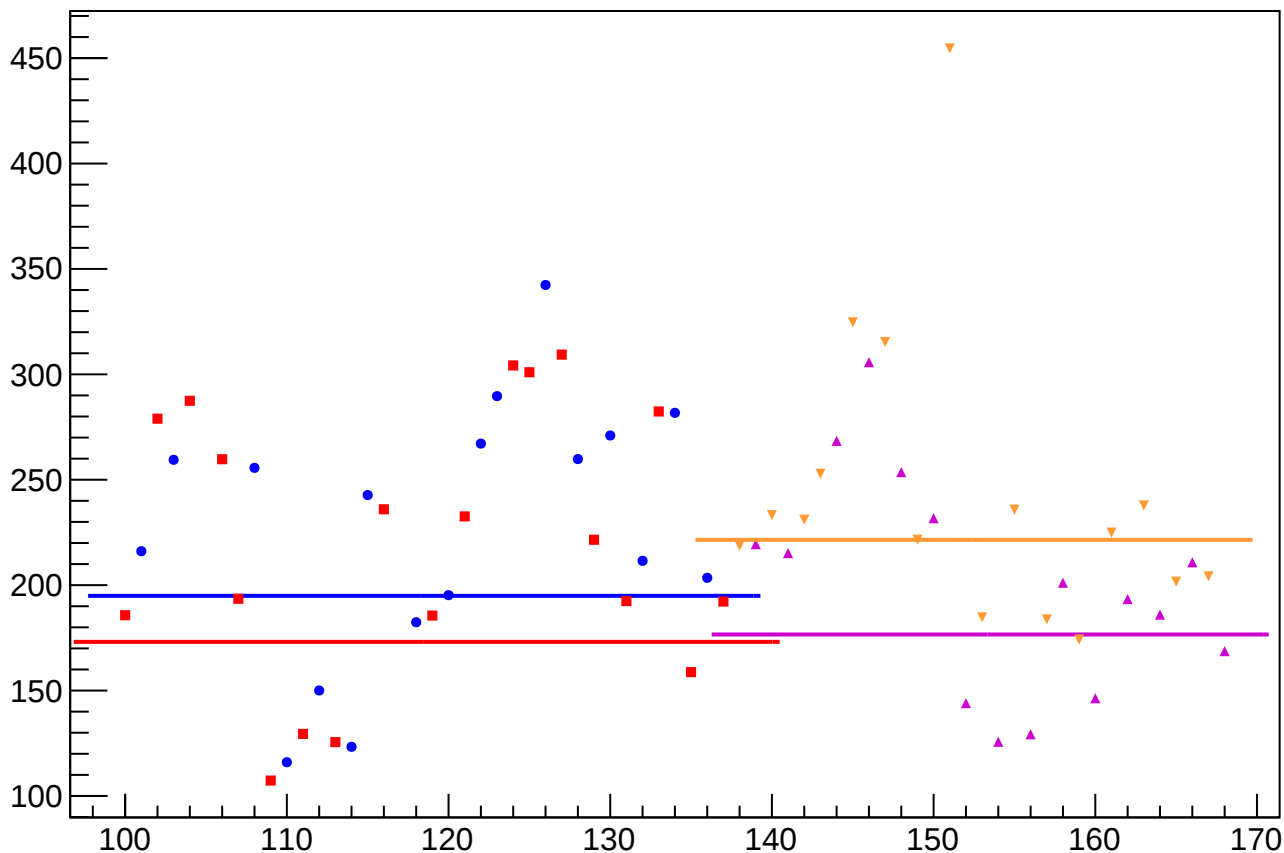
Left In: -42.057+/-54.774 χ^2/NDF : 5.1/14

+ sign 43.069+/-51.127 χ^2/NDF : 10.7/32

All: -0.202+/-33.010 χ^2/NDF : 22.9/66

- sign -31.137+/-43.228 χ^2/NDF : 11.0/33

asym_bcm_an_us_rms vs Slug



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 221.506 $\pm$ 0.047 χ^2 /NDF: 982806.1/15

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

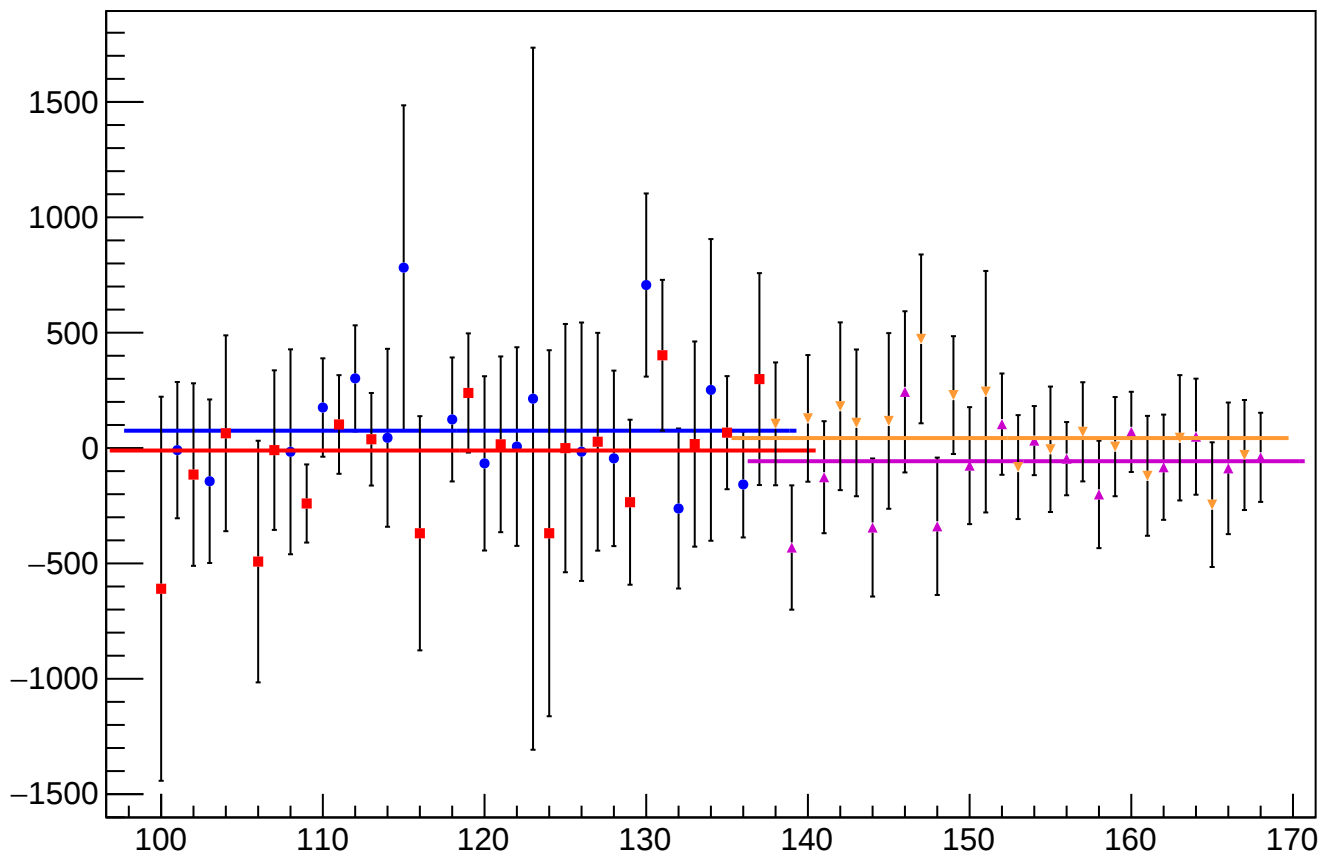
Left In: 176.604 $\pm$ 0.039 χ^2 /NDF: 1477412.6/14

+ sign 210.652 $\pm$ 0.036 χ^2 /NDF: 2099931.0/32

All: 190.029 $\pm$ 0.023 χ^2 /NDF: 5683170.0/66

- sign 175.286 $\pm$ 0.031 χ^2 /NDF: 3025208.1/33

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 43.311 $\pm$ 68.298 χ^2 /NDF: 4.5/15

Right Out: -10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

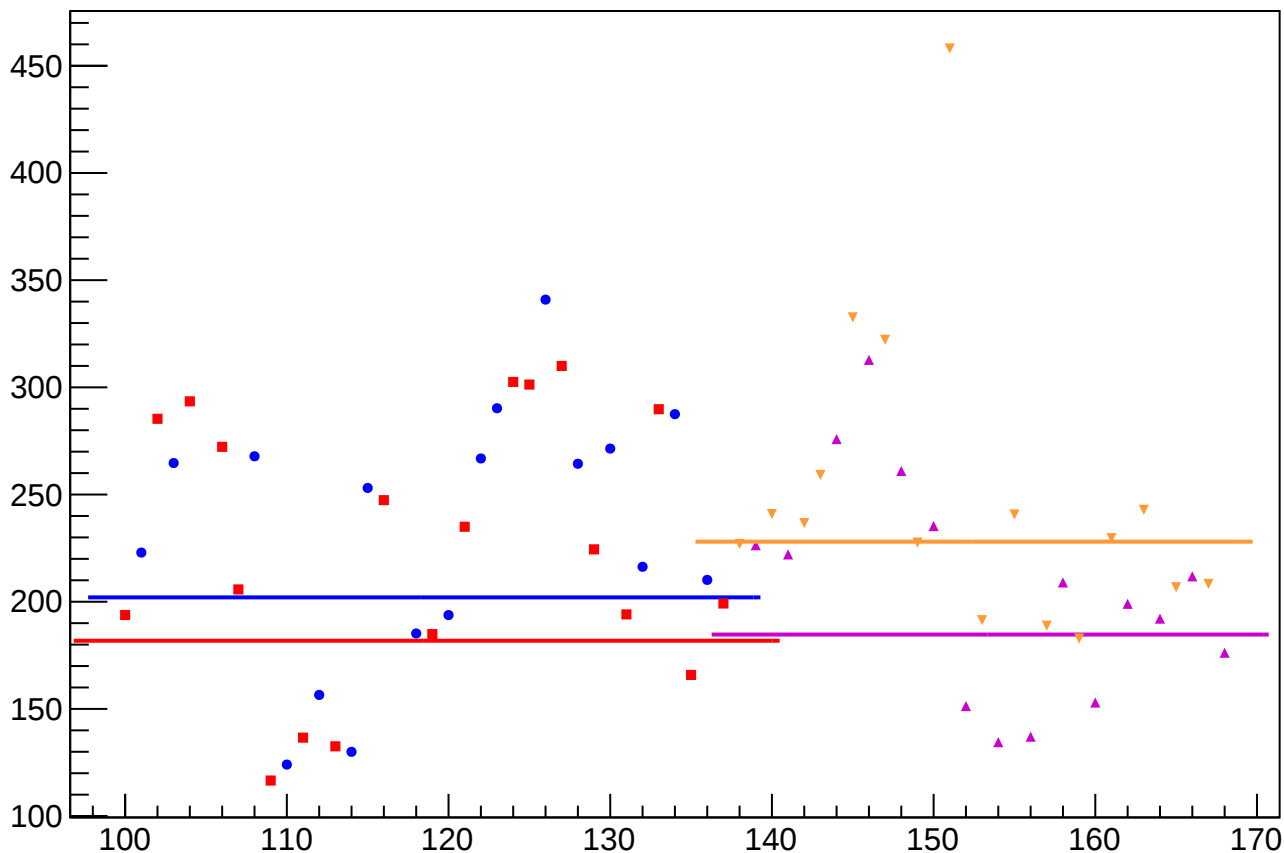
Left In: -57.007 $\pm$ 57.008 χ^2 /NDF: 6.6/14

+ sign 56.281 $\pm$ 52.611 χ^2 /NDF: 12.2/32

All: 0.945 $\pm$ 34.201 χ^2 /NDF: 28.8/66

- sign -39.555 $\pm$ 45.009 χ^2 /NDF: 14.7/33

asym_bcm_dg_us_rms vs Slug



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 228.021+/-0.048 χ^2/NDF : 938961.1/15

Right Out: 181.811+/-0.052 χ^2/NDF : 1377537.2/18

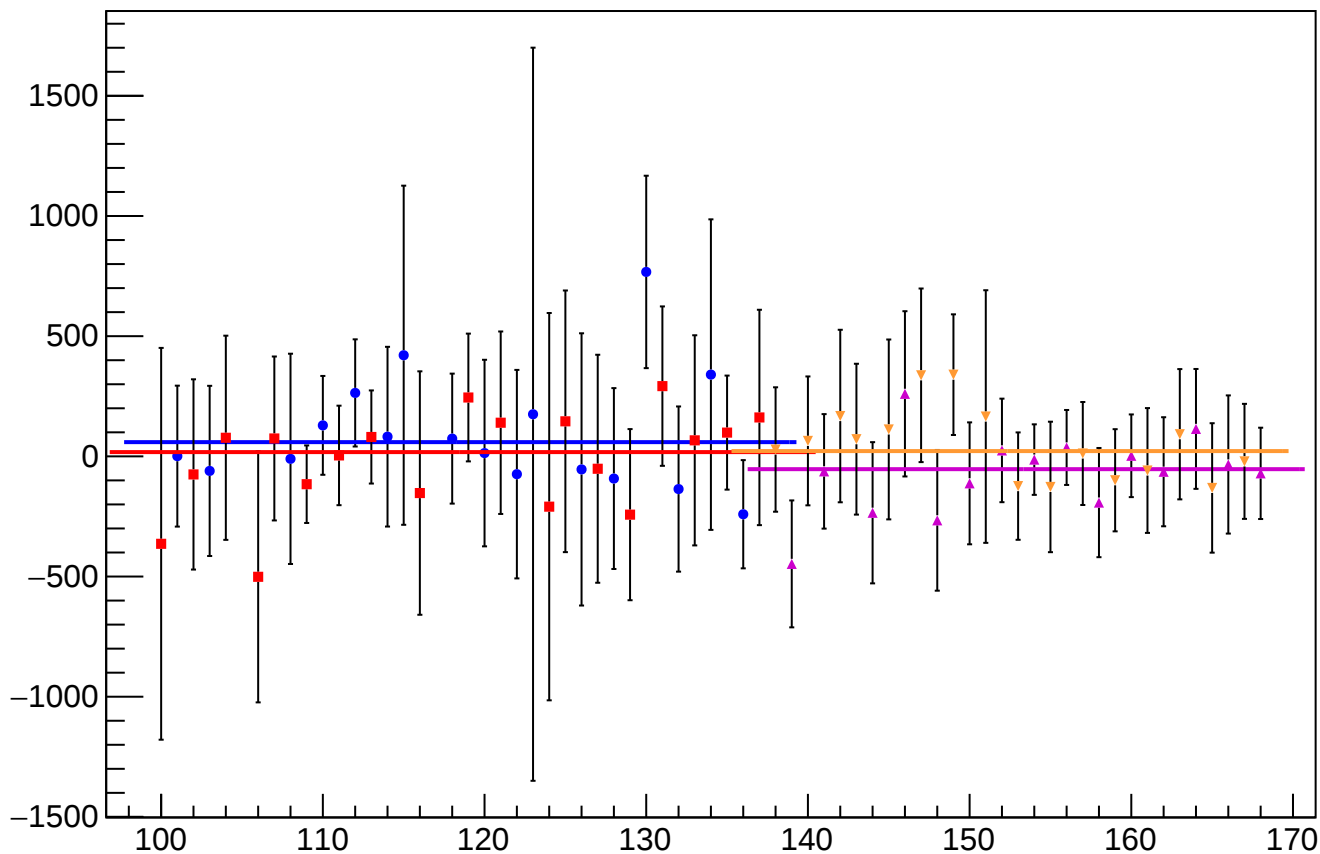
Left In: 184.690+/-0.040 χ^2/NDF : 1332654.0/14

+ sign 217.452+/-0.037 χ^2/NDF : 1938352.7/32

All: 197.909+/-0.024 χ^2/NDF : 5128413.6/66

- sign 183.606+/-0.032 χ^2/NDF : 2712112.2/33

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 21.916 $\pm$ 67.679 χ^2 /NDF: 4.3/15

Right Out: 17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

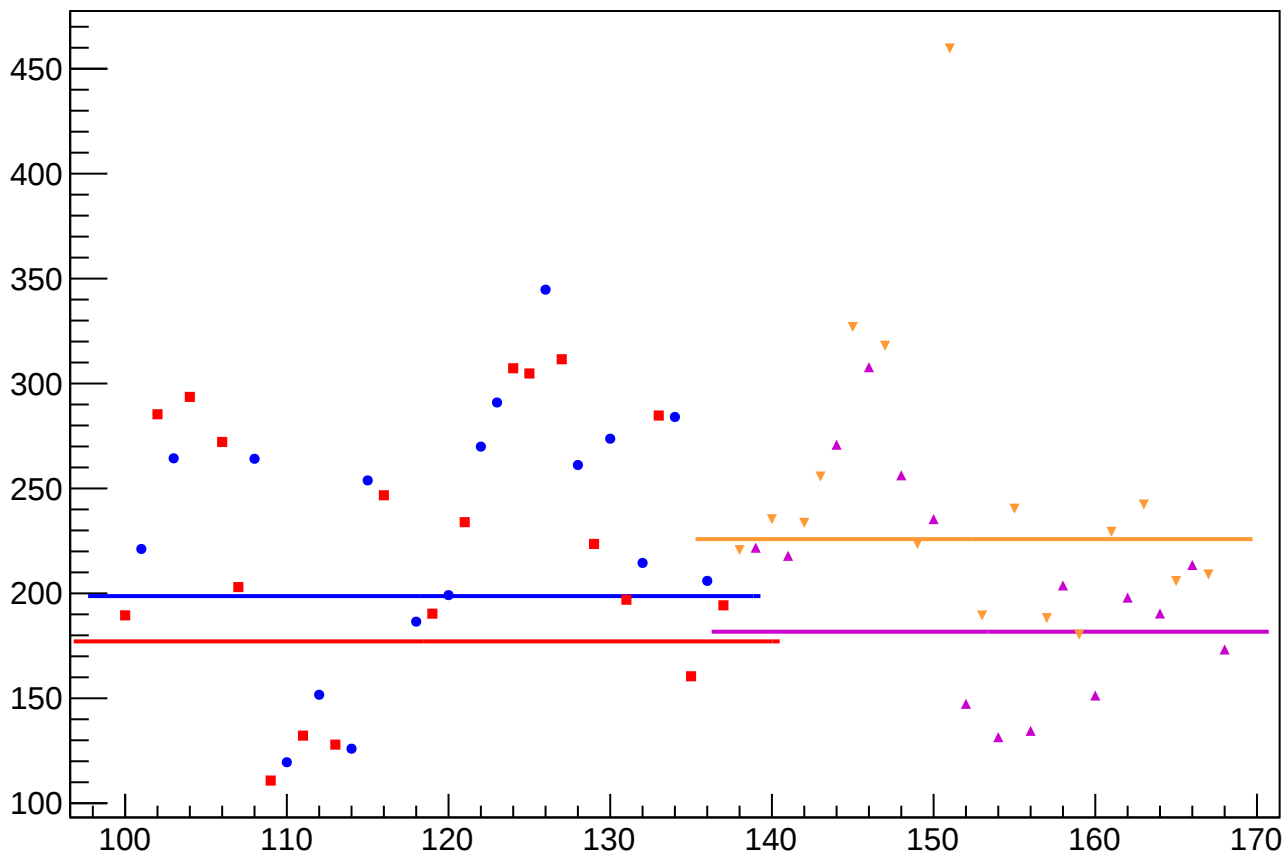
Left In: -53.278 $\pm$ 56.177 χ^2 /NDF: 5.5/14

+ sign 37.141 $\pm$ 52.046 χ^2 /NDF: 11.6/32

All: 0.294 $\pm$ 33.720 χ^2 /NDF: 23.2/66

- sign -26.363 $\pm$ 44.267 χ^2 /NDF: 10.8/33

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 ± 0.058 χ^2/NDF : 963394.4/16

Left Out: 225.854 ± 0.048 χ^2/NDF : 935405.8/15

Right Out: 177.125 ± 0.051 χ^2/NDF : 1524889.9/18

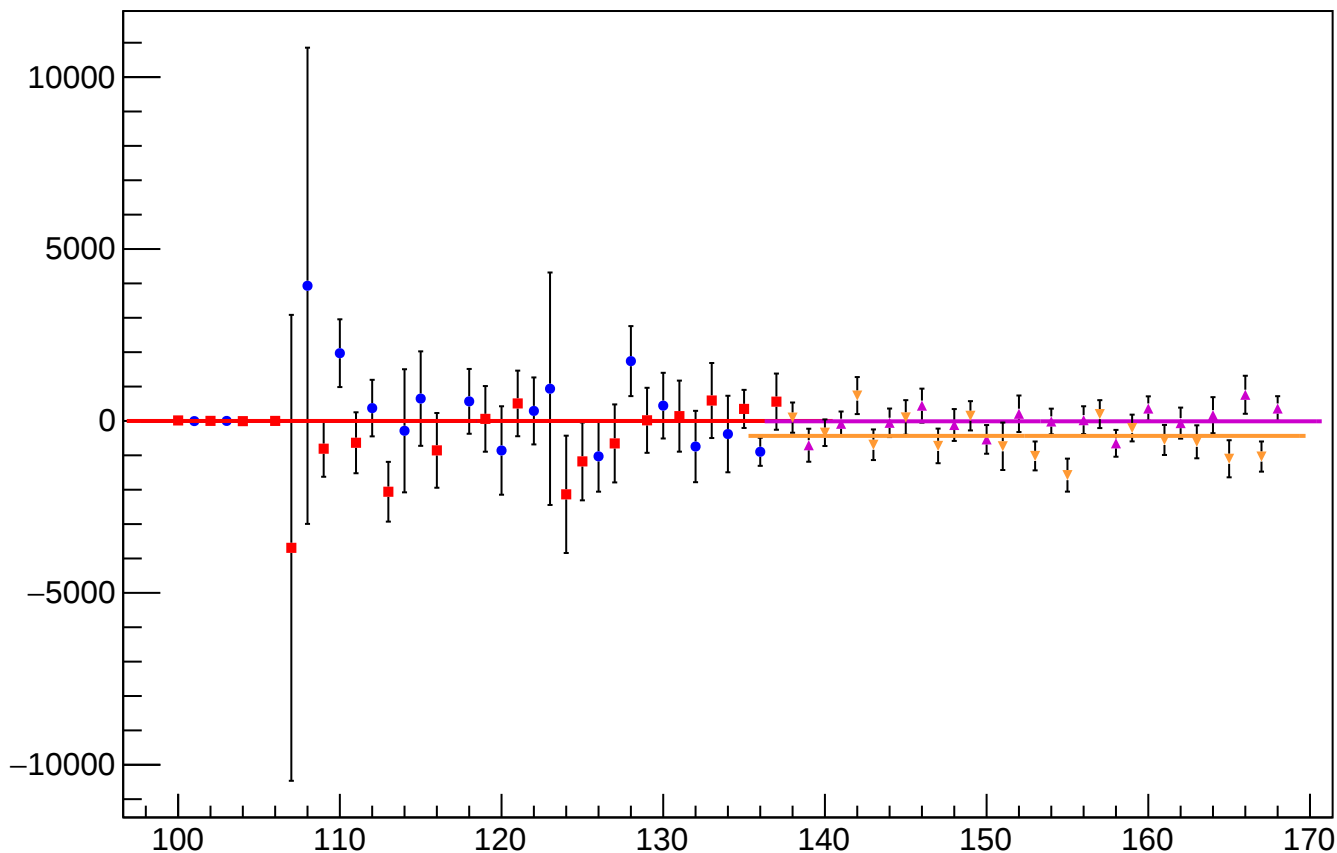
Left In: 181.744 ± 0.040 χ^2/NDF : 1355674.0/14

+ sign 214.760 ± 0.037 χ^2/NDF : 2030329.1/32

All: 194.587 ± 0.024 χ^2/NDF : 5433846.2/66

- sign 179.993 ± 0.031 χ^2/NDF : 2885690.5/33

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -434.641 ± 114.124 χ^2/NDF : 24.1/15

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.4/18

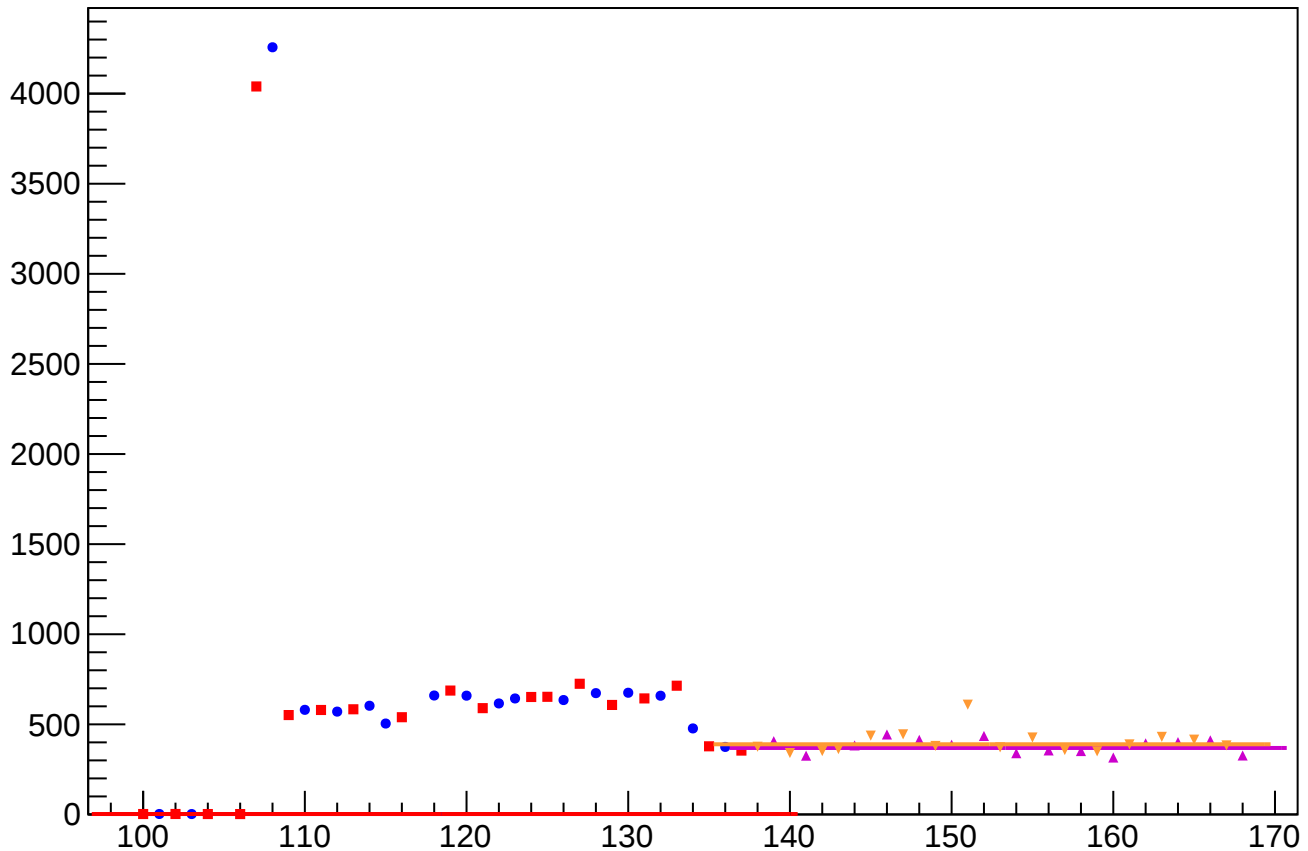
Left In: -10.466 ± 109.438 χ^2/NDF : 11.8/14

+ sign -1.697 ± 2.251 χ^2/NDF : 55.2/32

All: -1.185 ± 1.540 χ^2/NDF : 85.4/66

- sign -0.735 ± 2.111 χ^2/NDF : 30.2/33

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 389.460+/-0.081 χ^2/NDF : 364790.3/15

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

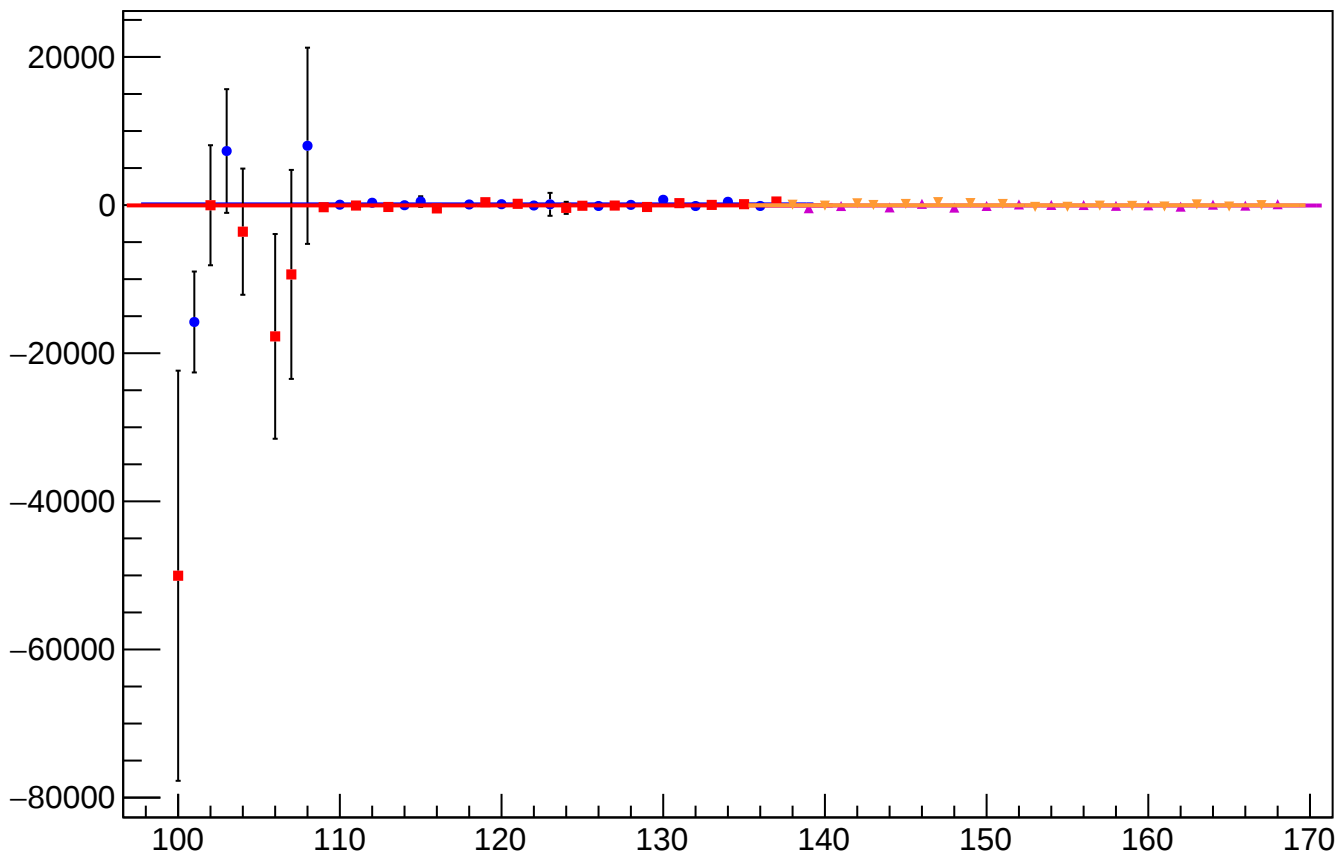
Left In: 368.972+/-0.077 χ^2/NDF : 259576.4/14

+ sign 2.607+/-0.002 χ^2/NDF : 34061115.8/32

All: 2.589+/-0.001 χ^2/NDF : 67887610.1/66

- sign 2.573+/-0.001 χ^2/NDF : 33826256.1/33

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -28.145+/-70.264 χ^2/NDF : 5.8/15

Right Out: -42.617+/-84.547 χ^2/NDF : 14.0/18

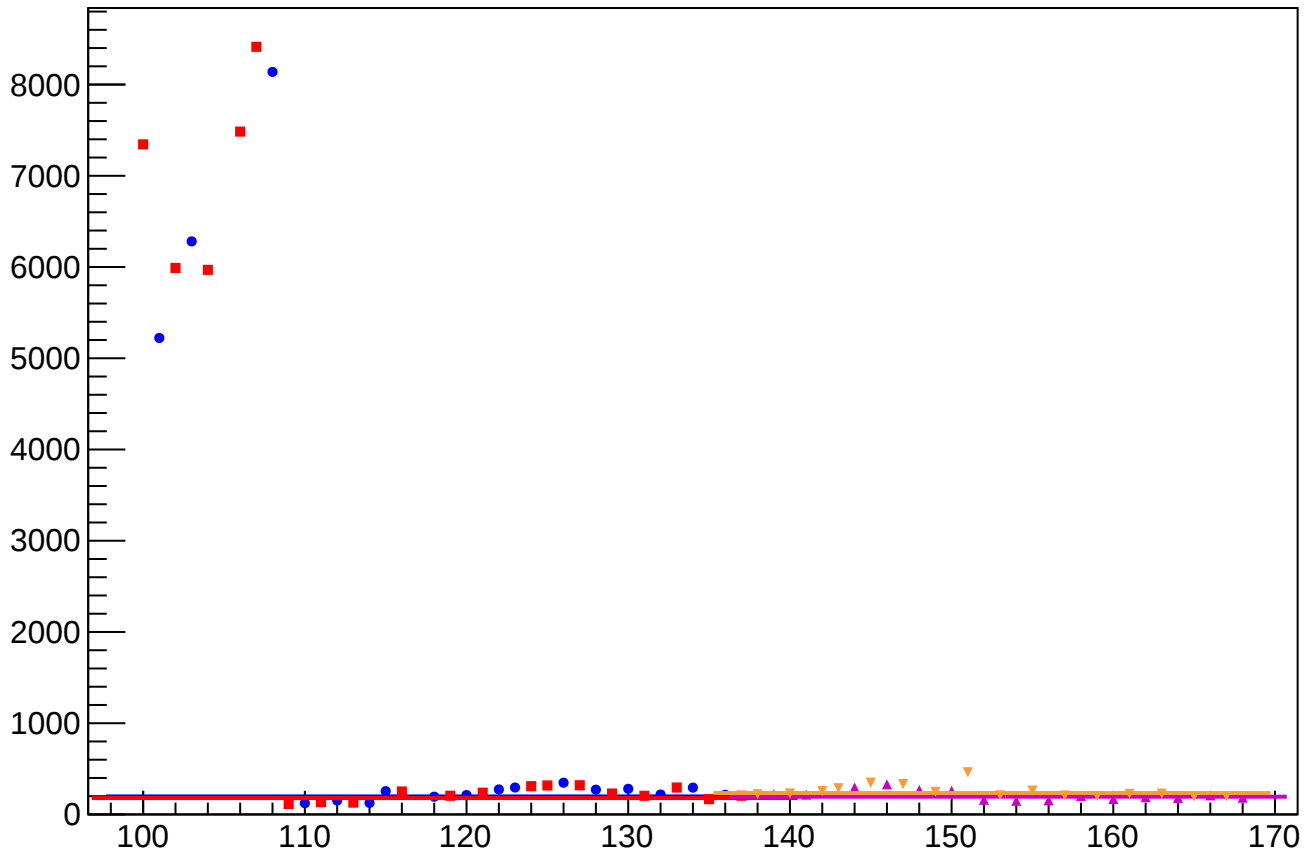
Left In: -57.558+/-59.673 χ^2/NDF : 6.2/14

+ sign 17.535+/-55.775 χ^2/NDF : 18.9/32

All: -22.217+/-36.707 χ^2/NDF : 40.1/66

- sign -52.590+/-48.753 χ^2/NDF : 20.2/33

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 234.906+/-0.050 χ^2/NDF : 933330.0/15

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

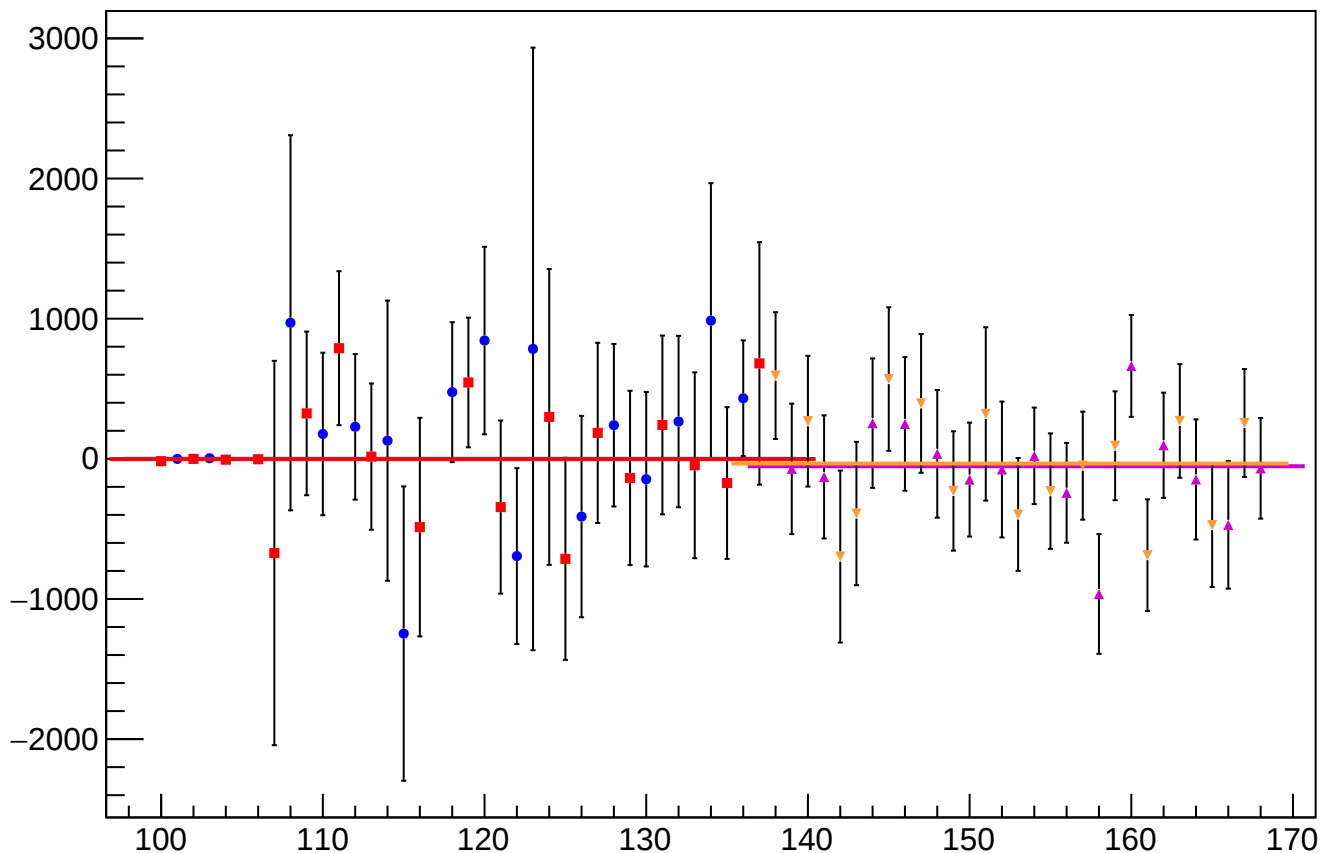
Left In: 194.702+/-0.042 χ^2/NDF : 1071267.7/14

+ sign 221.041+/-0.039 χ^2/NDF : 4839713.1/32

All: 203.335+/-0.026 χ^2/NDF : 10628374.3/60

- sign 189.808+/-0.034 χ^2/NDF : 5433134.4/33

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -33.744 ± 110.646 χ^2/NDF : 12.6/15

Right Out: -1.324 ± 1.623 χ^2/NDF : 9.5/18

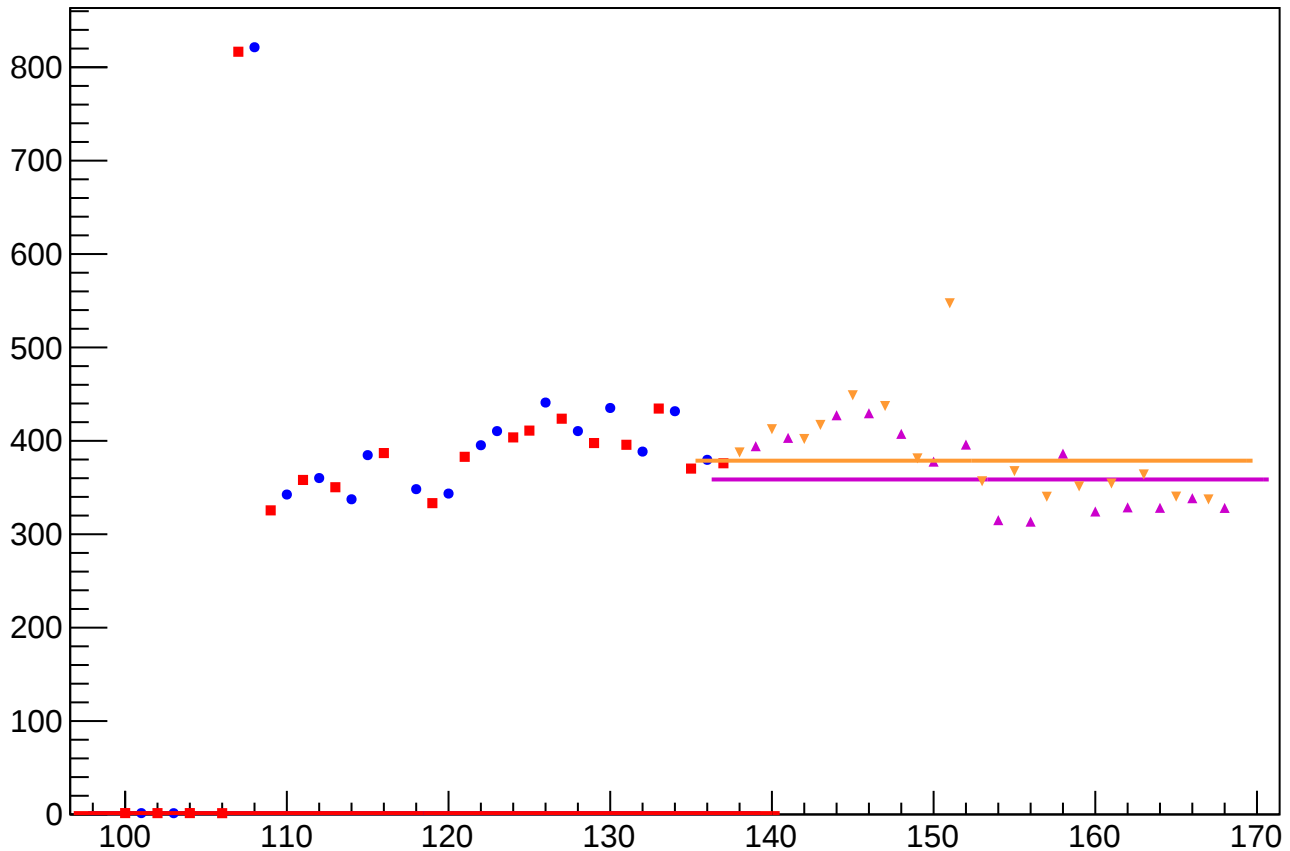
Left In: -52.805 ± 106.302 χ^2/NDF : 10.8/14

+ sign -0.147 ± 1.736 χ^2/NDF : 22.5/32

All: -0.782 ± 1.185 χ^2/NDF : 43.3/66

- sign -1.336 ± 1.622 χ^2/NDF : 20.5/33

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 378.765+/-0.078 χ^2/NDF : 325358.6/15

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

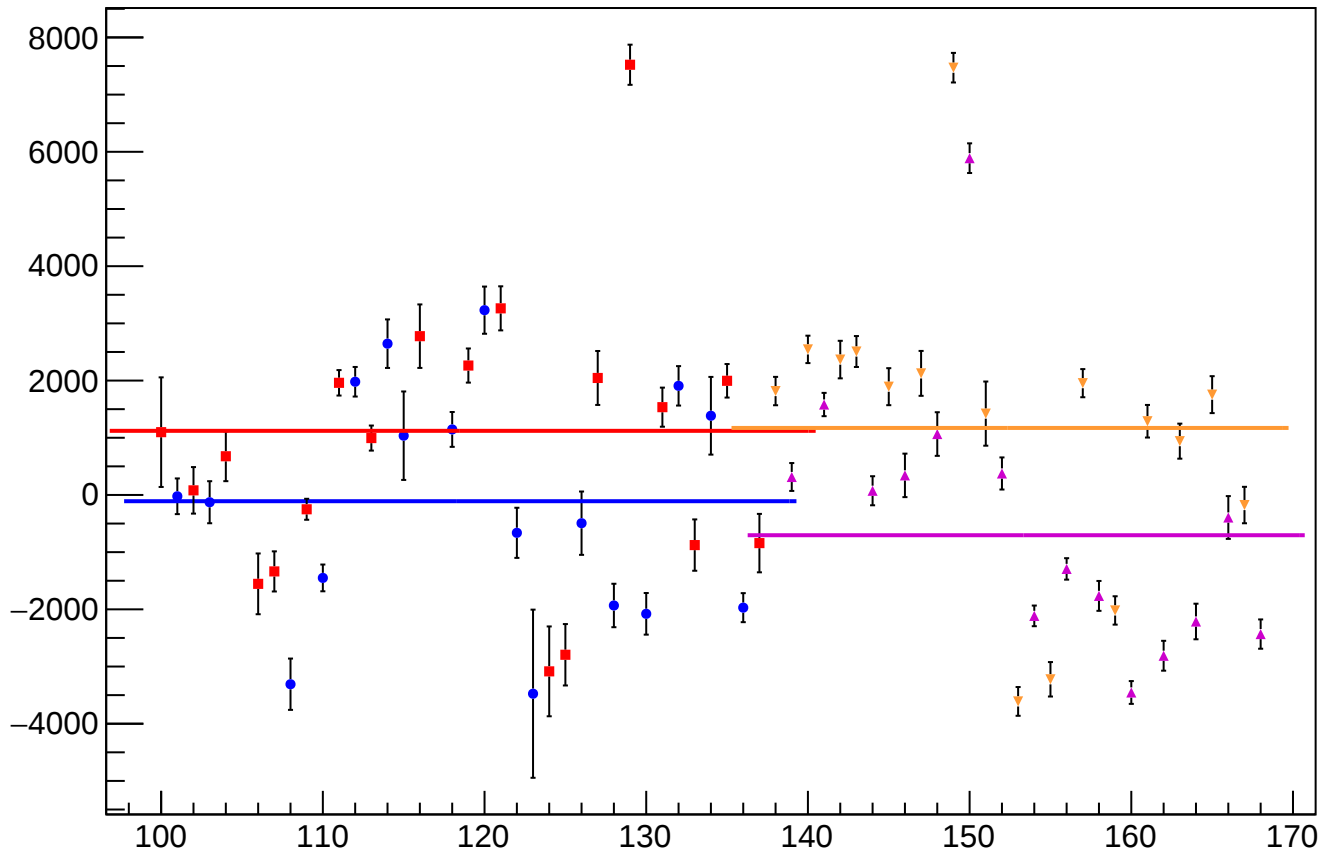
Left In: 358.644+/-0.075 χ^2/NDF : 291349.7/14

+ sign 1.545+/-0.001 χ^2/NDF : 34393148.5/32

All: 1.539+/-0.001 χ^2/NDF : 68134108.0/66

- sign 1.534+/-0.001 χ^2/NDF : 33740917.4/33

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 1171.739 ± 72.022 $\chi^2/\text{NDF}: 1453.1/15$

Right Out: 1121.203 ± 78.396 $\chi^2/\text{NDF}: 670.1/18$

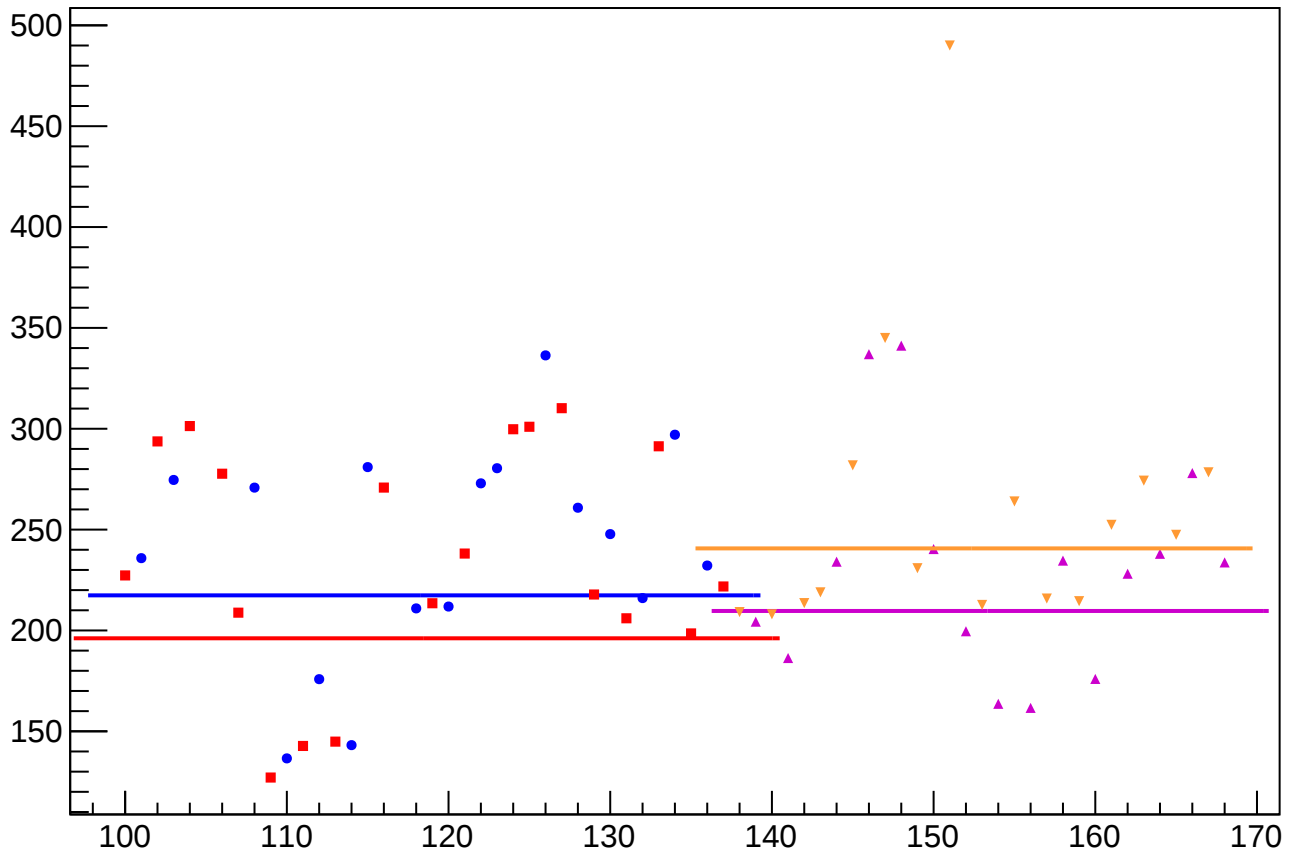
Left In: -704.026 ± 64.010 $\chi^2/\text{NDF}: 1254.5/14$

+ sign 657.625 ± 55.725 $\chi^2/\text{NDF}: 2008.4/32$

All: 305.122 ± 37.042 $\chi^2/\text{NDF}: 4329.9/66$

- sign 26.060 ± 49.582 $\chi^2/\text{NDF}: 2249.8/33$

asym_bcm0l02_rms vs Slug



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 240.682 $\pm$ 0.051 χ^2 /NDF: 803627.1/15

Right Out: 196.112 $\pm$ 0.055 χ^2 /NDF: 1190862.3/18

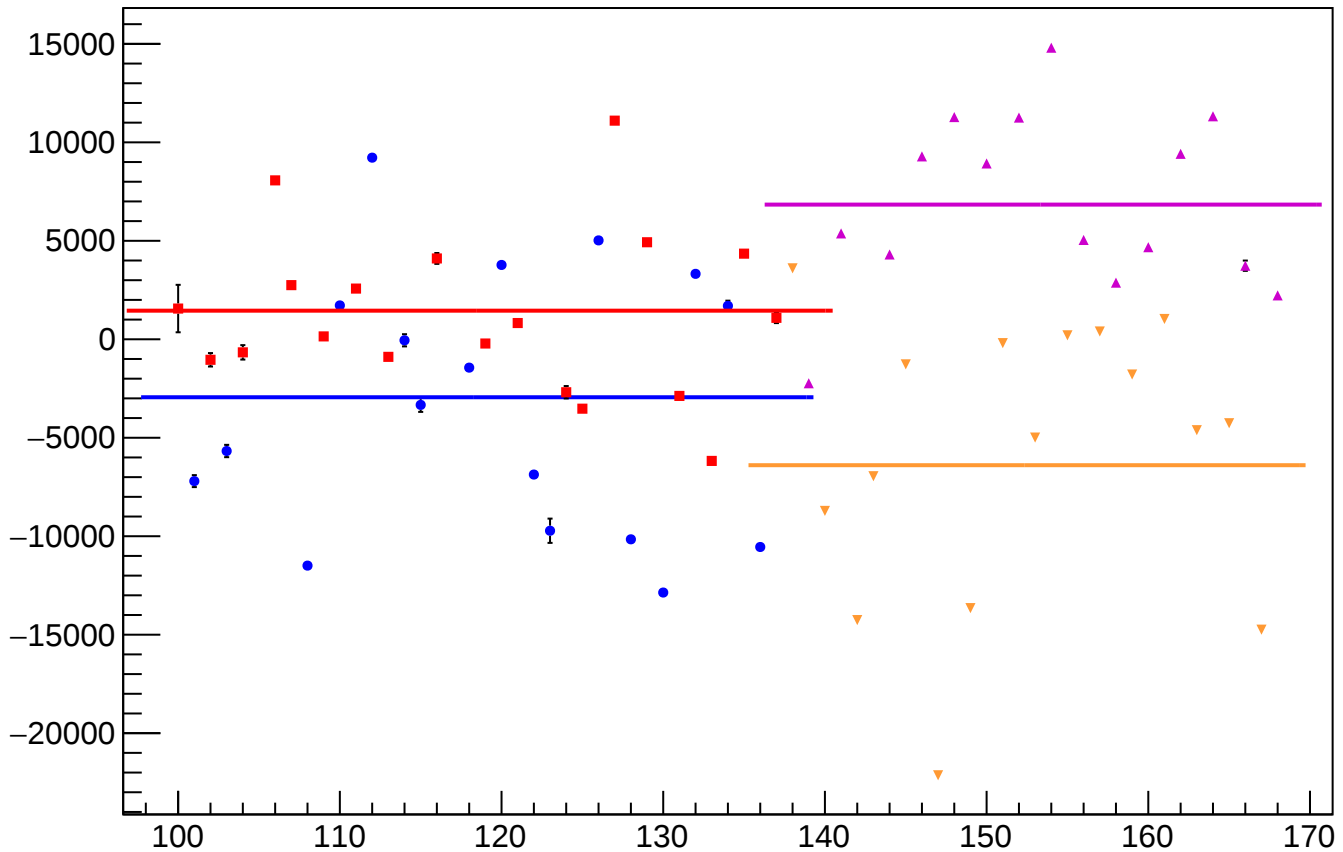
Left In: 209.663 $\pm$ 0.045 χ^2 /NDF: 985919.3/14

+ sign 231.339 $\pm$ 0.039 χ^2 /NDF: 1540122.3/32

All: 216.215 $\pm$ 0.026 χ^2 /NDF: 4016690.6/66

- sign 204.242 $\pm$ 0.035 χ^2 /NDF: 2212633.2/33

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 χ^2/NDF : 20909.8/16

Left Out: -6393.411 ± 39.657 χ^2/NDF : 35421.2/15

Right Out: 1453.116 ± 46.404 χ^2/NDF : 7996.0/18

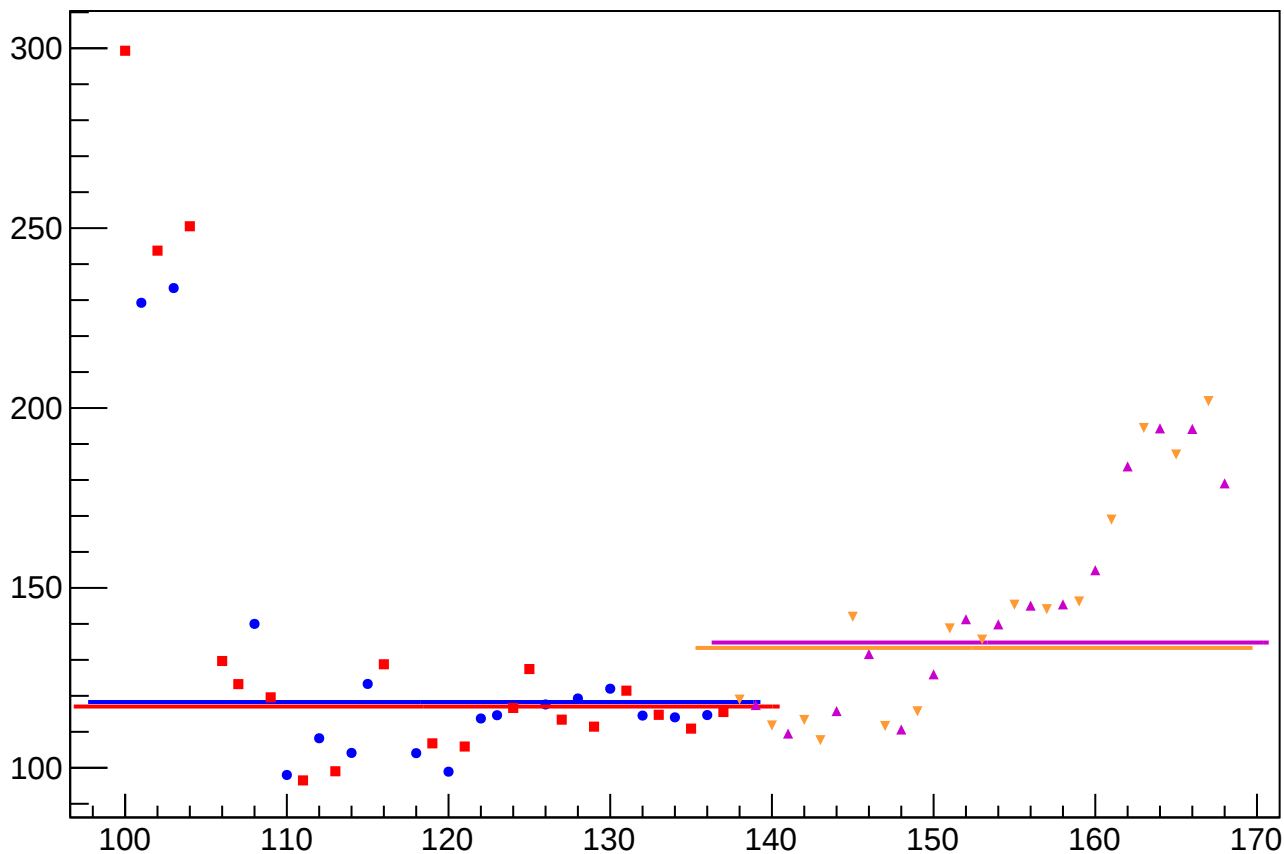
Left In: 6838.695 ± 40.362 χ^2/NDF : 11917.9/14

+ sign -5014.729 ± 30.729 χ^2/NDF : 59355.7/32

All: -204.905 ± 21.631 χ^2/NDF : 135500.0/66

- sign 4519.105 ± 30.454 χ^2/NDF : 27582.2/33

asym_bpm2i01WS_rms vs Slug



Right In: 118.286 $\pm$ 0.034 χ^2 /NDF: 636918.0/16

Left Out: 133.322 $\pm$ 0.028 χ^2 /NDF: 811579.7/15

Right Out: 117.031 $\pm$ 0.033 χ^2 /NDF: 690861.5/18

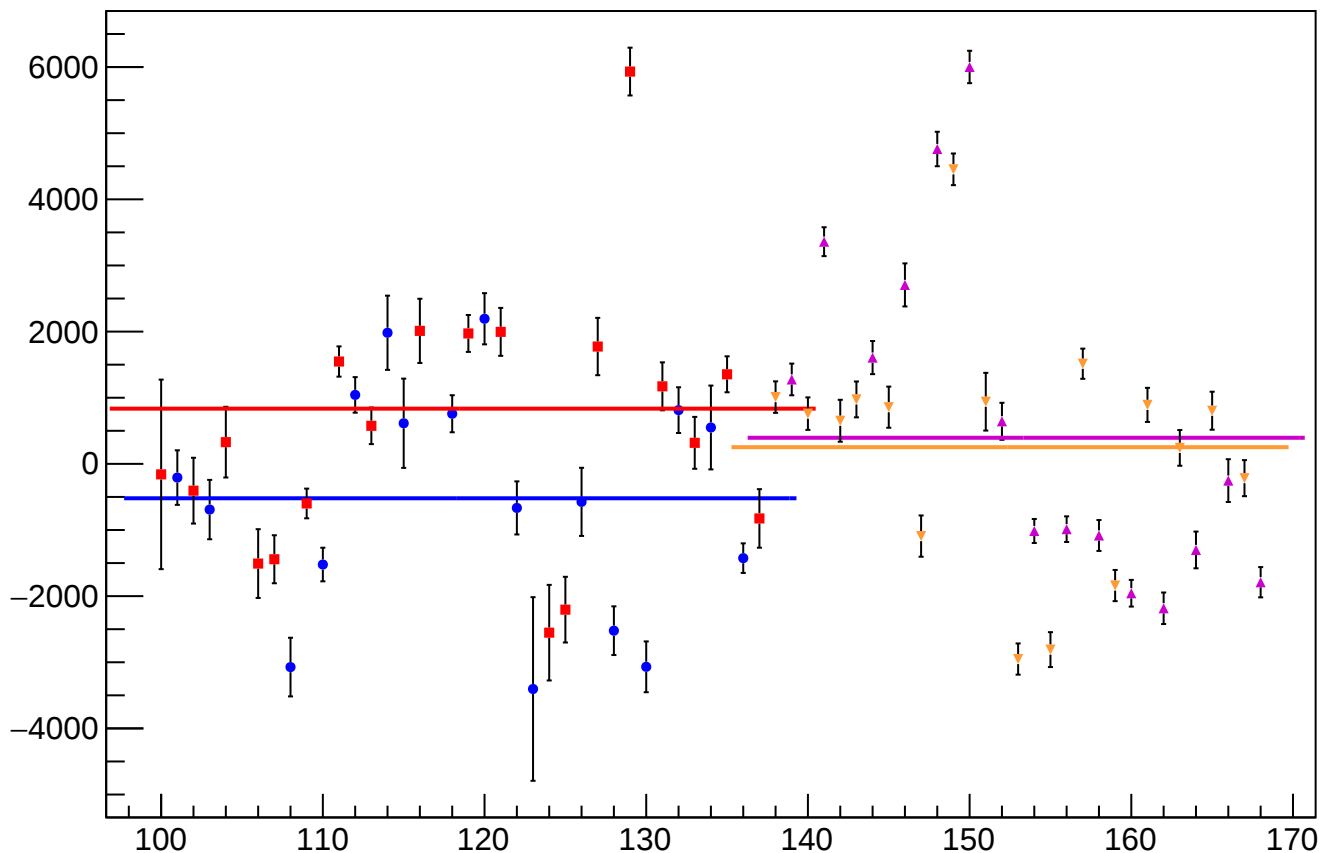
Left In: 134.817 $\pm$ 0.029 χ^2 /NDF: 718324.8/14

+ sign 127.314 $\pm$ 0.022 χ^2 /NDF: 1563393.0/32

All: 127.235 $\pm$ 0.015 χ^2 /NDF: 3139867.4/66

- sign 127.157 $\pm$ 0.022 χ^2 /NDF: 1576447.9/33

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 252.265 ± 66.683 χ^2/NDF : 797.0/15

Right Out: 834.834 ± 82.273 χ^2/NDF : 434.7/18

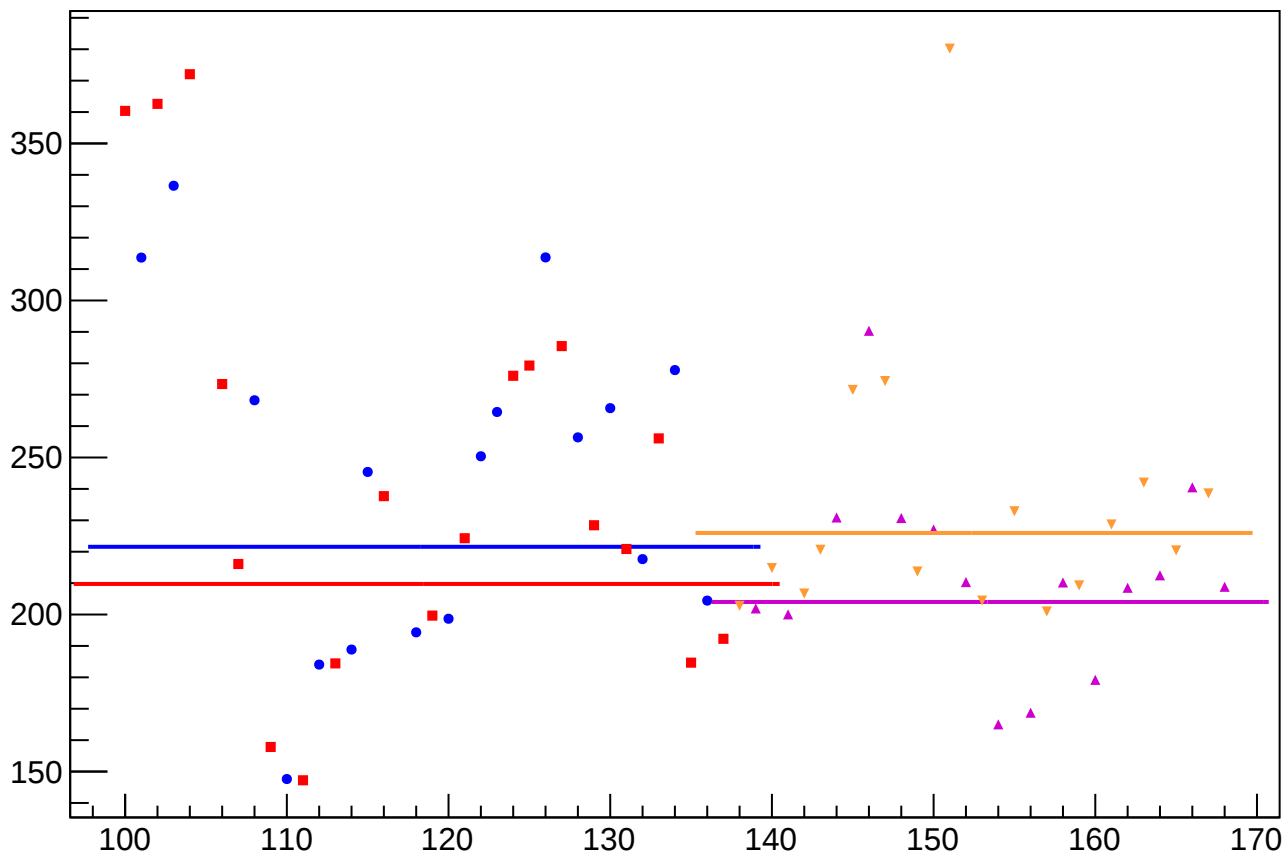
Left In: 394.531 ± 61.199 χ^2/NDF : 1613.3/14

+ sign -24.531 ± 53.418 χ^2/NDF : 1133.2/32

All: 287.612 ± 36.151 χ^2/NDF : 3262.6/66

- sign 551.372 ± 49.104 χ^2/NDF : 2066.5/33

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 225.973 $\pm$ 0.047 χ^2 /NDF: 441699.9/15

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

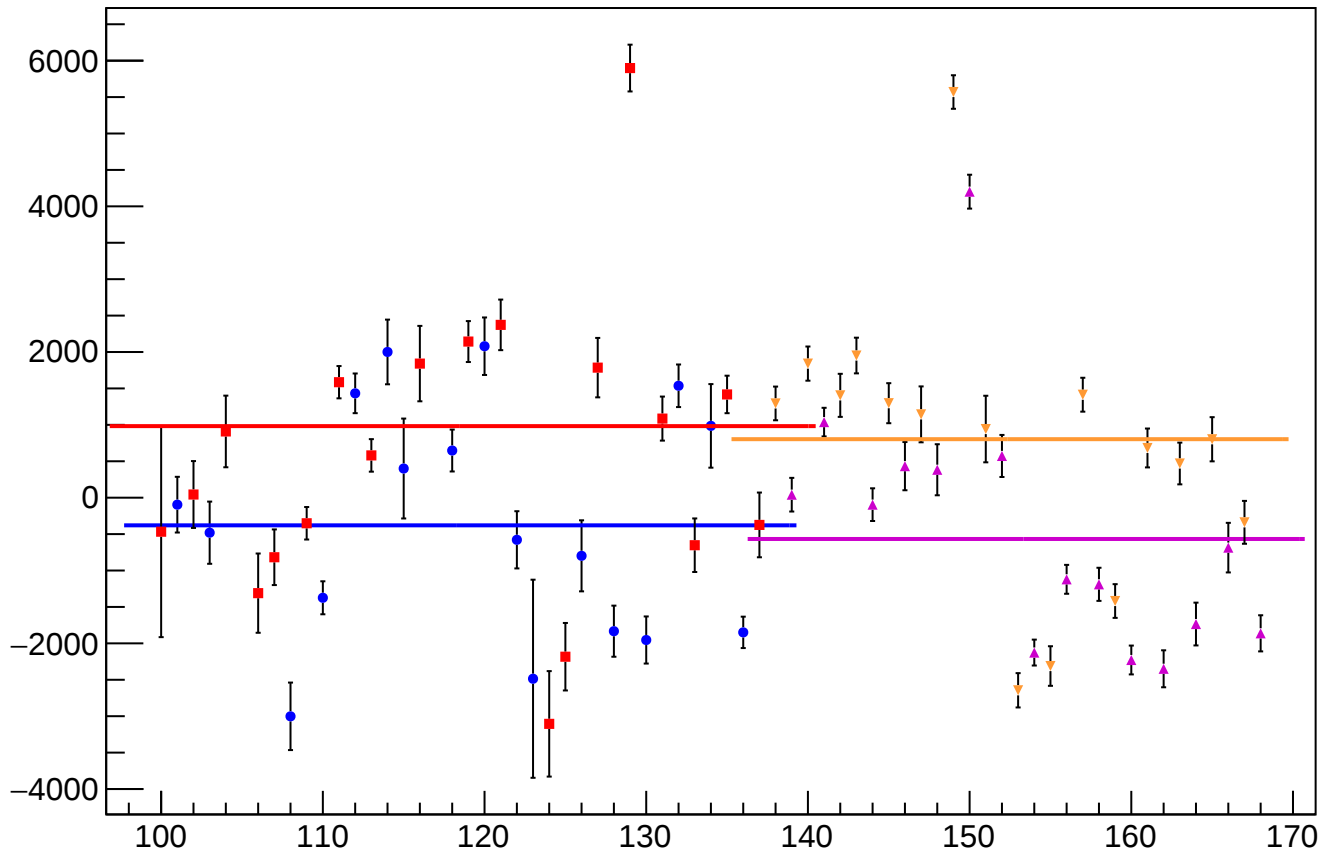
Left In: 204.000 $\pm$ 0.043 χ^2 /NDF: 423529.3/14

+ sign 224.395 $\pm$ 0.038 χ^2 /NDF: 1089765.8/32

All: 214.448 $\pm$ 0.026 χ^2 /NDF: 2531423.0/66

- sign 206.043 $\pm$ 0.035 χ^2 /NDF: 1313709.4/33

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 803.277 ± 66.526 χ^2/NDF : 943.6/15

Right Out: 982.539 ± 77.724 χ^2/NDF : 476.3/18

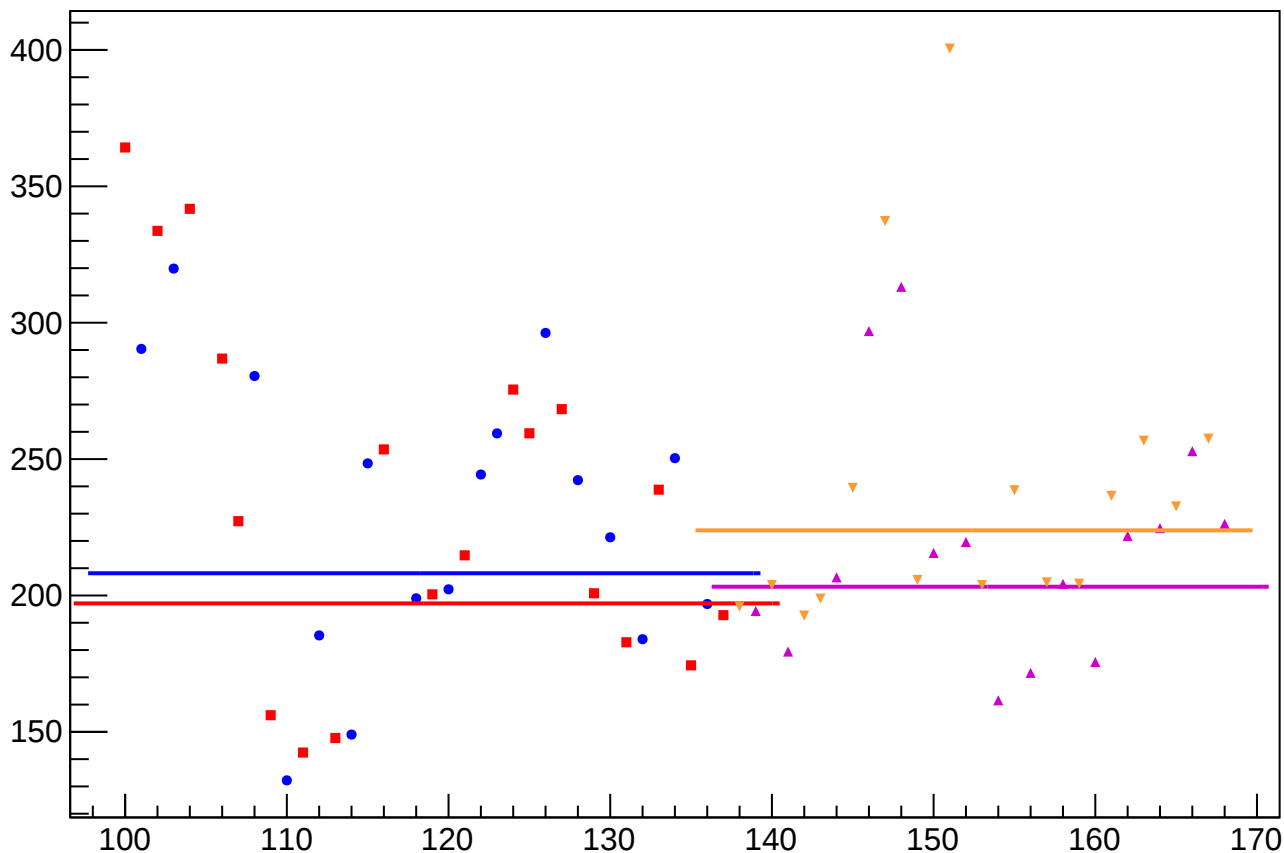
Left In: -566.940 ± 61.293 χ^2/NDF : 785.5/14

+ sign 349.037 ± 52.214 χ^2/NDF : 1382.2/32

All: 175.027 ± 35.388 χ^2/NDF : 2909.5/66

- sign 27.180 ± 48.128 χ^2/NDF : 1506.8/33

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 223.880+/-0.047 χ^2/NDF : 685783.2/15

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

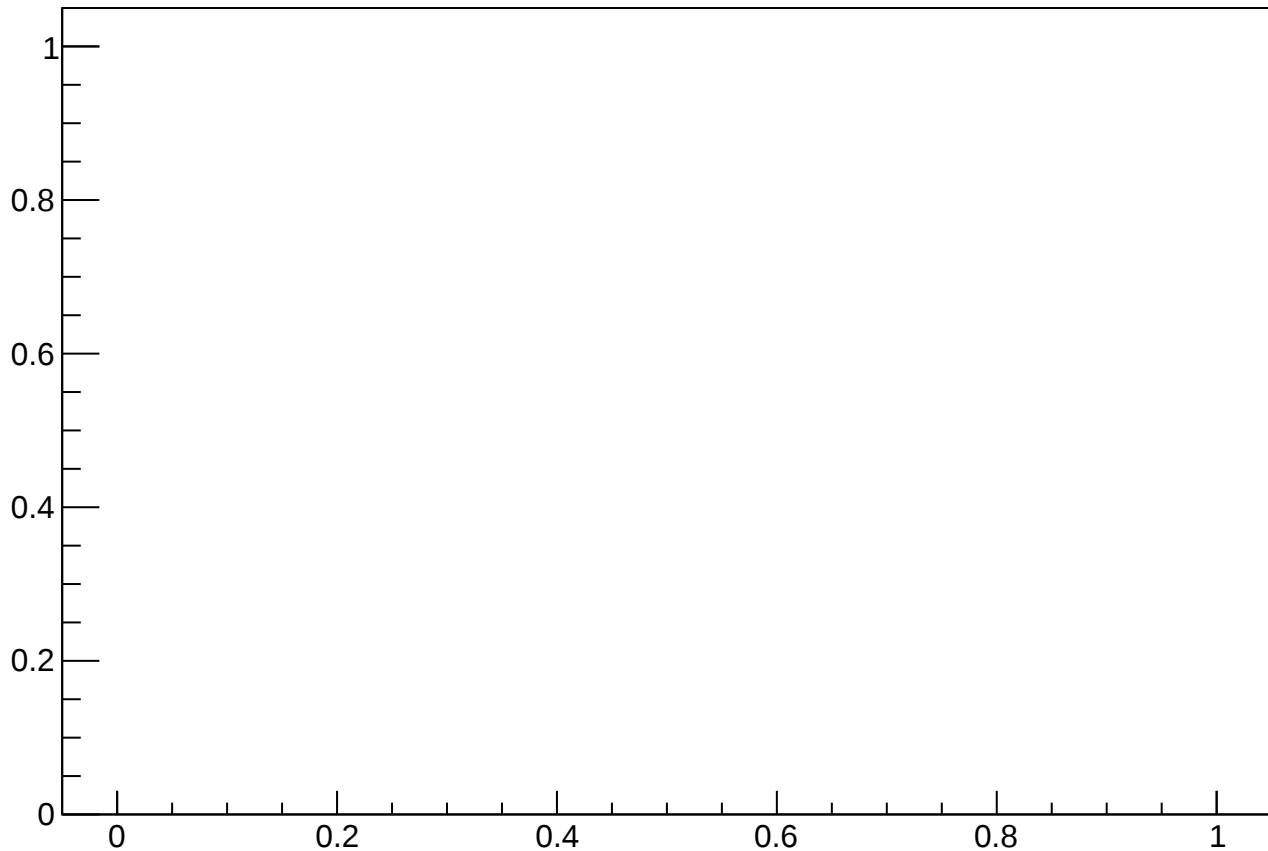
Left In: 203.215+/-0.043 χ^2/NDF : 682644.6/14

+ sign 217.840+/-0.037 χ^2/NDF : 1427797.4/32

All: 208.666+/-0.025 χ^2/NDF : 3158735.9/66

- sign 200.871+/-0.034 χ^2/NDF : 1616738.1/33

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

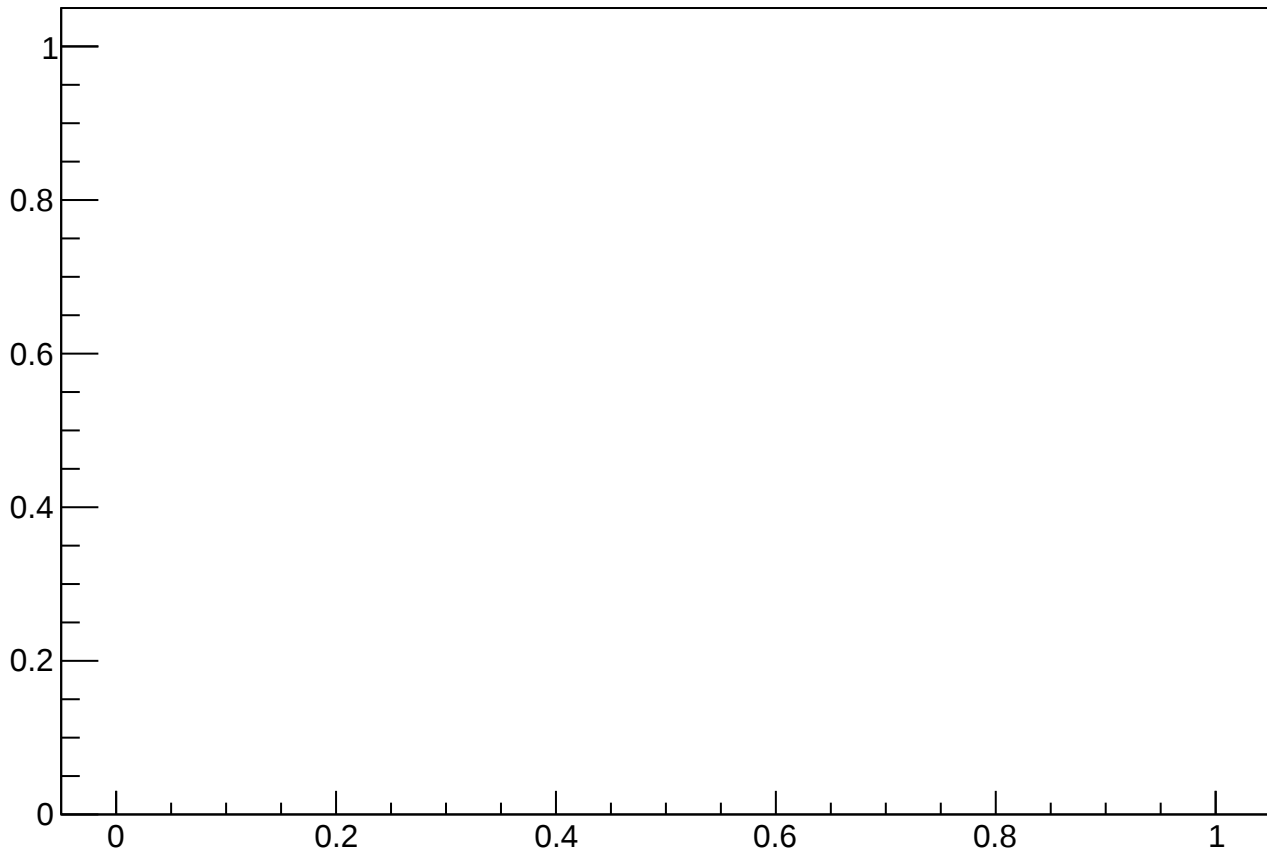
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

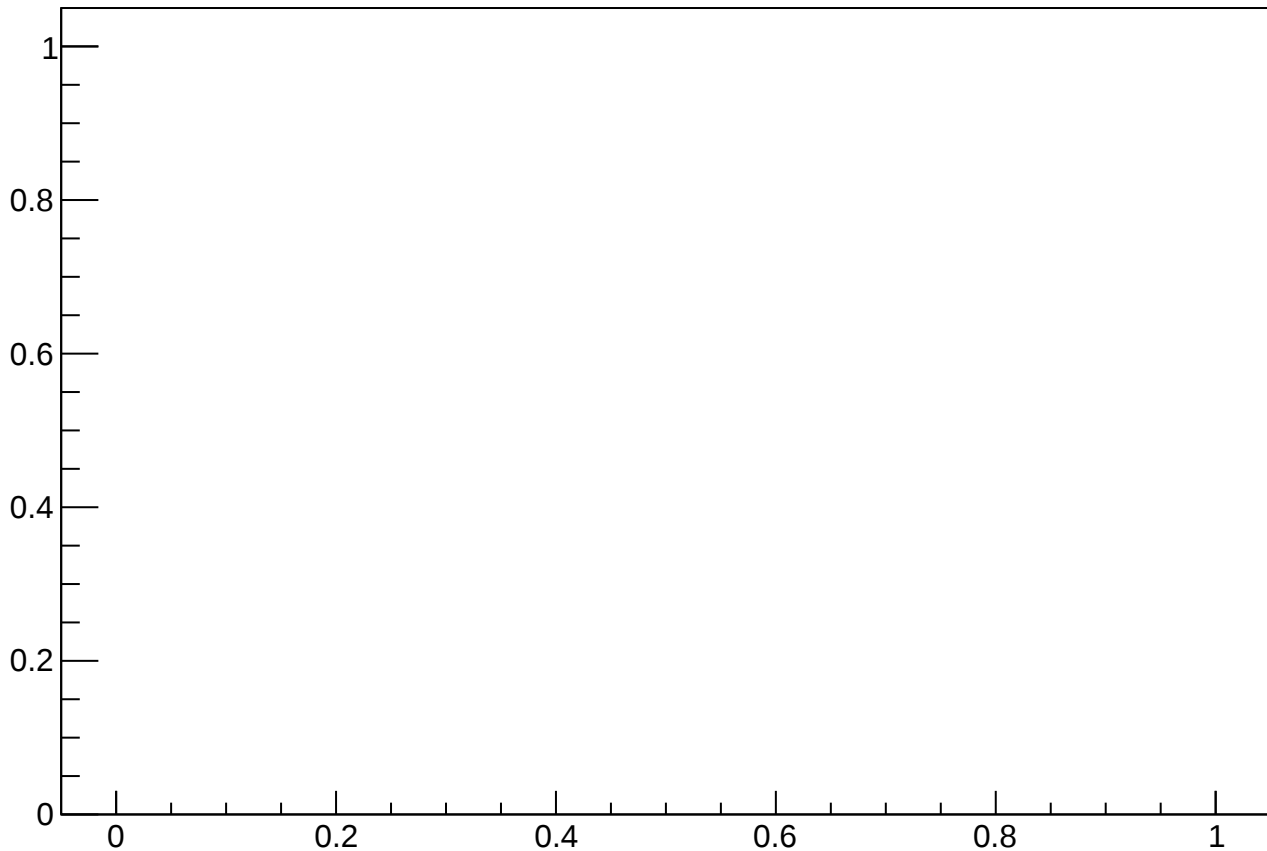
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

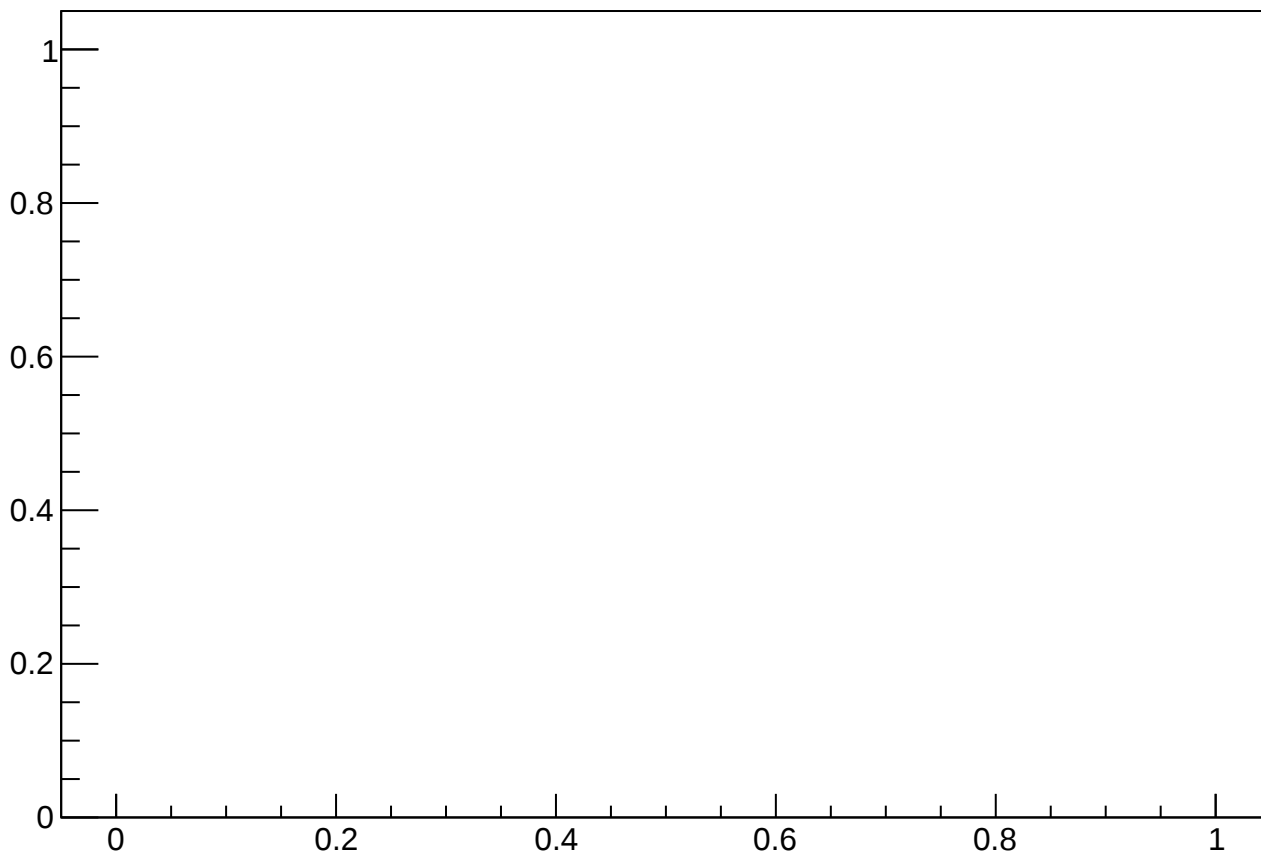
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

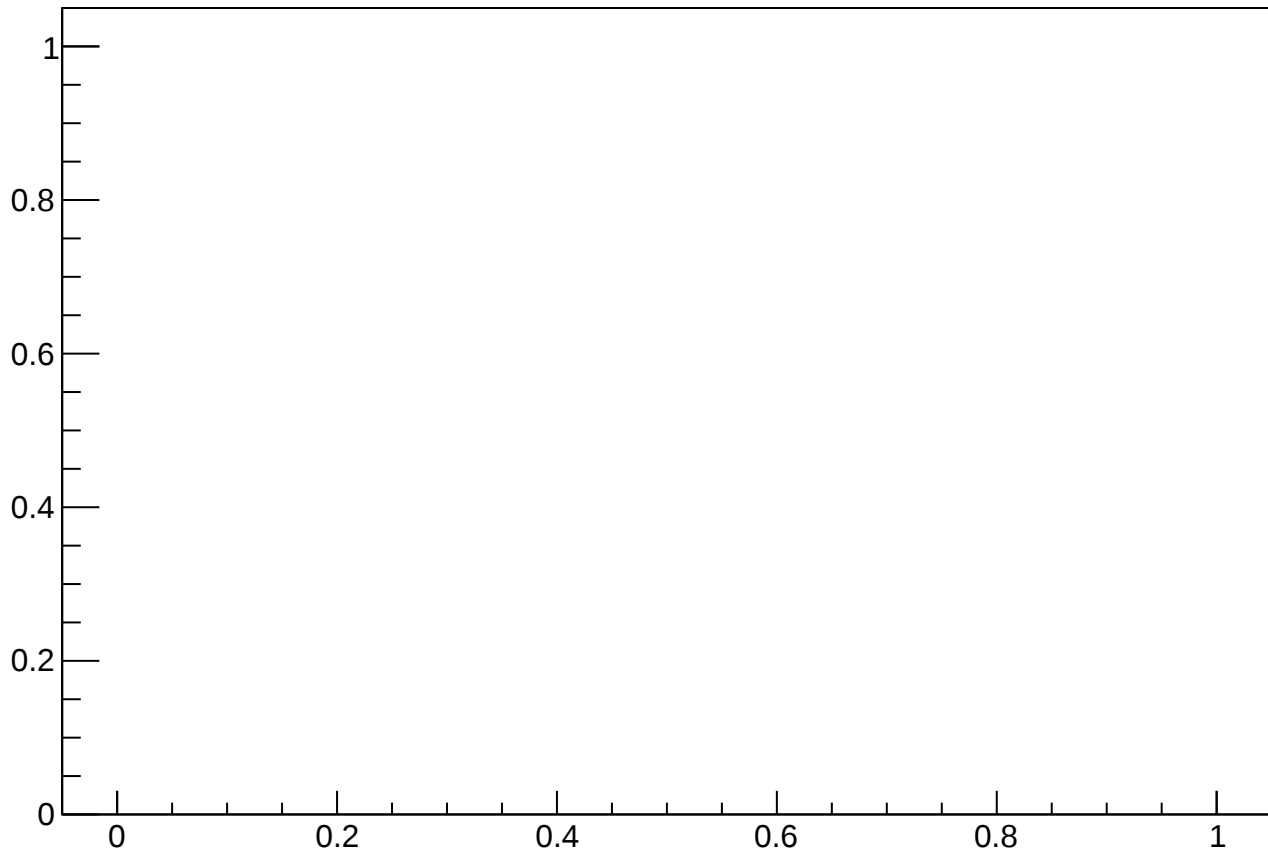
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

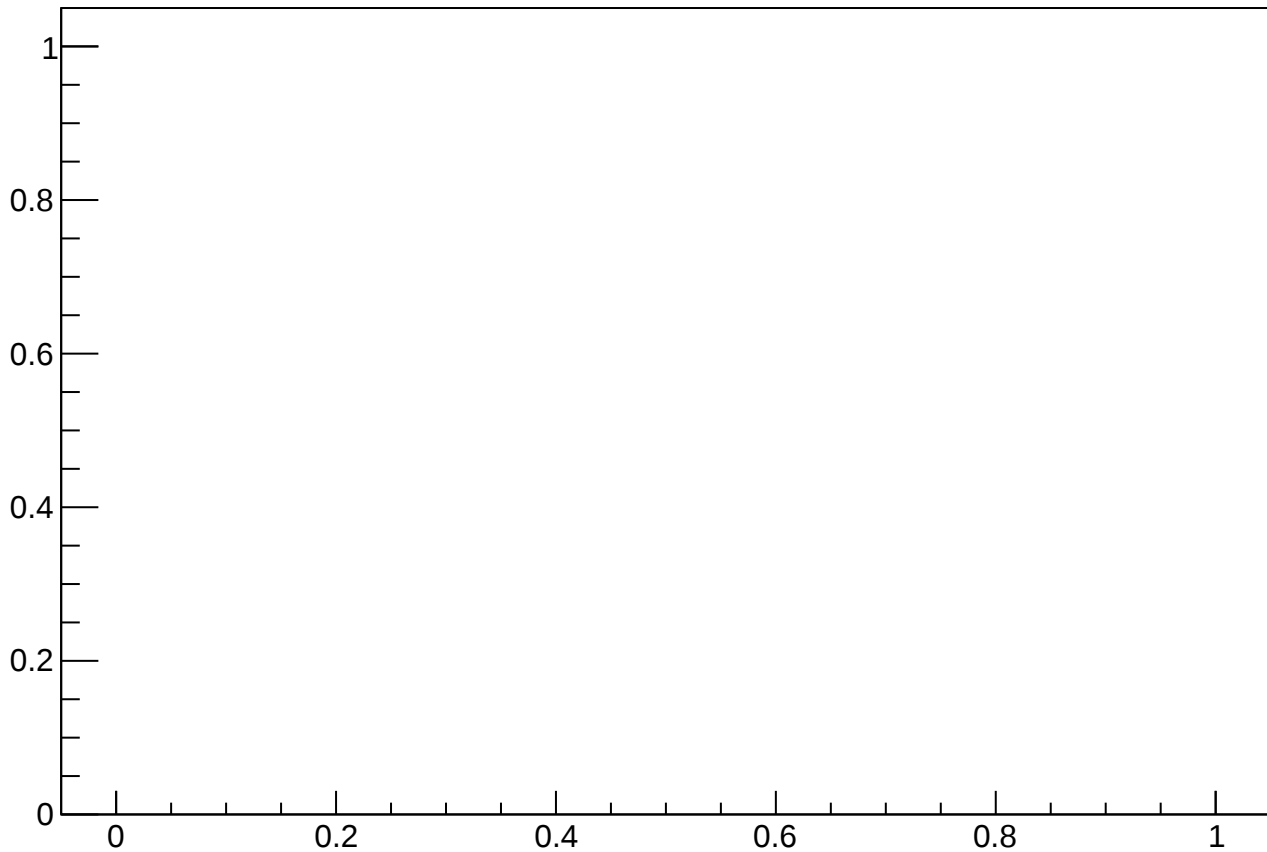
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

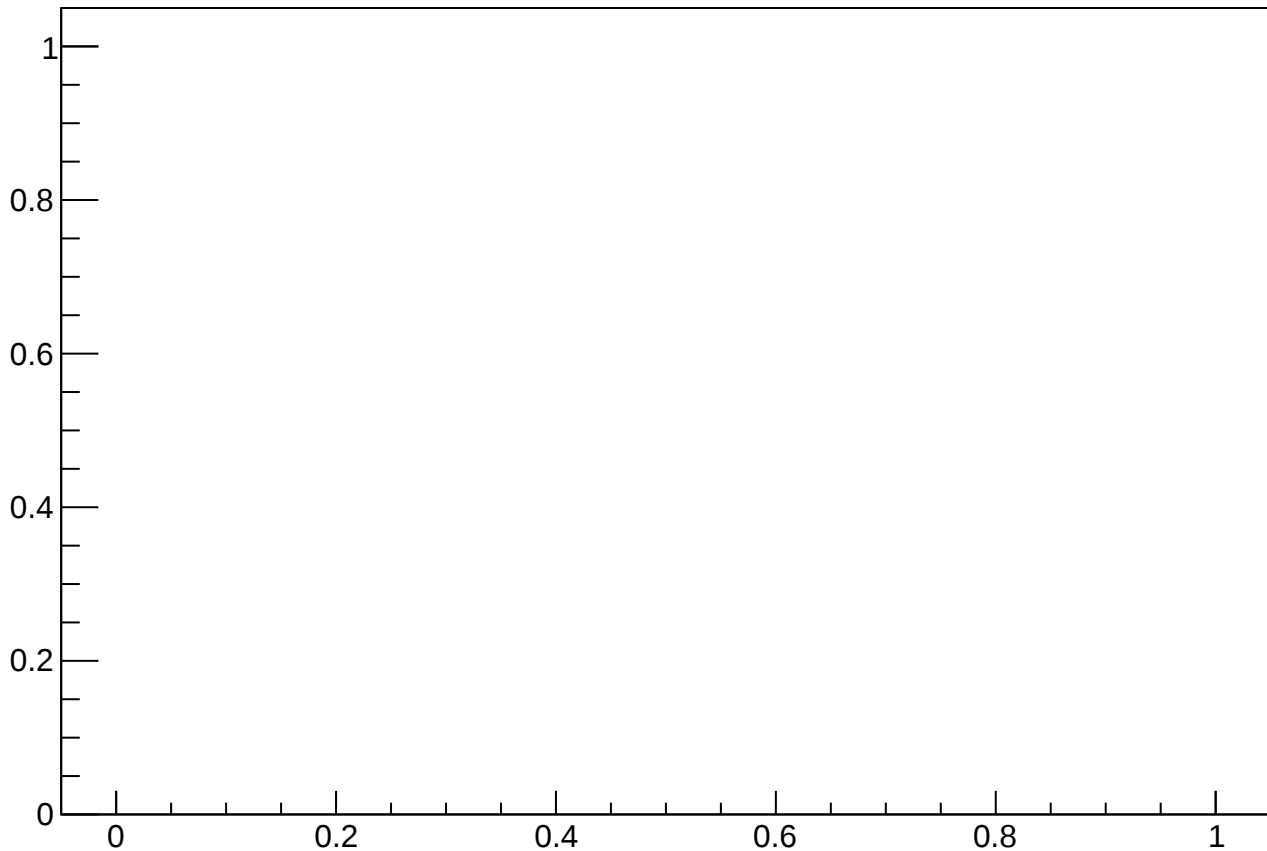
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

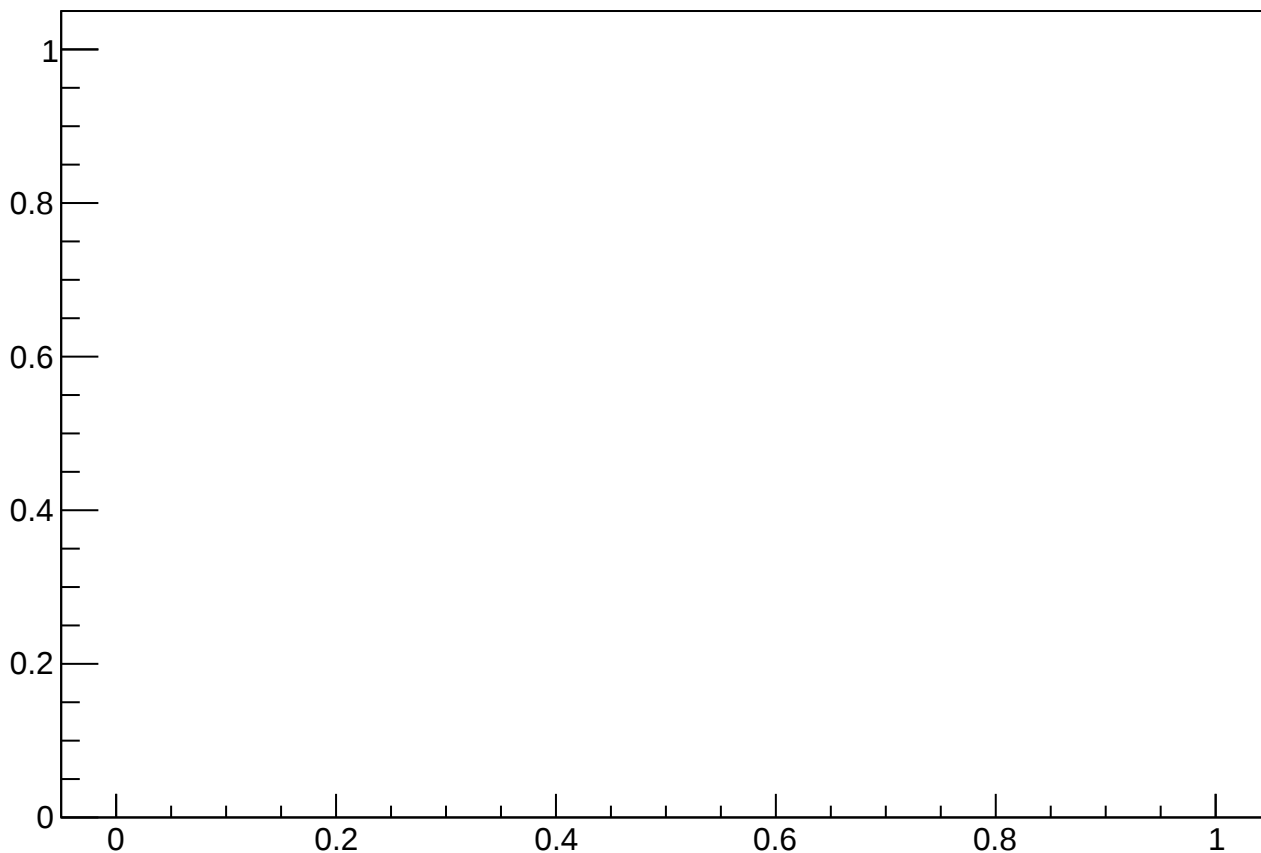
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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+/-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

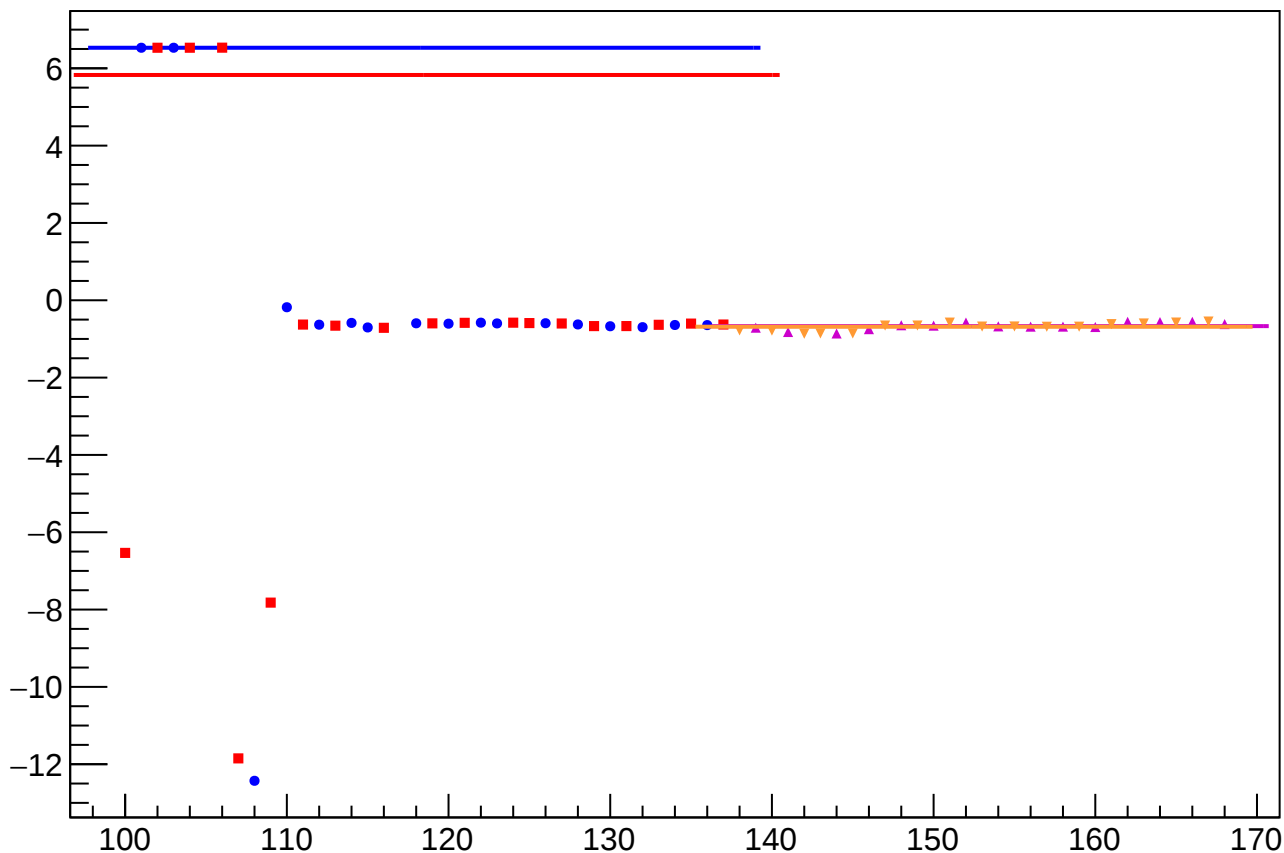
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ 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

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127219747629.7/16

Left Out: -0.684 $\pm$ 0.000 χ^2 /NDF: 124130909.0/15

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755963218053643.4/18

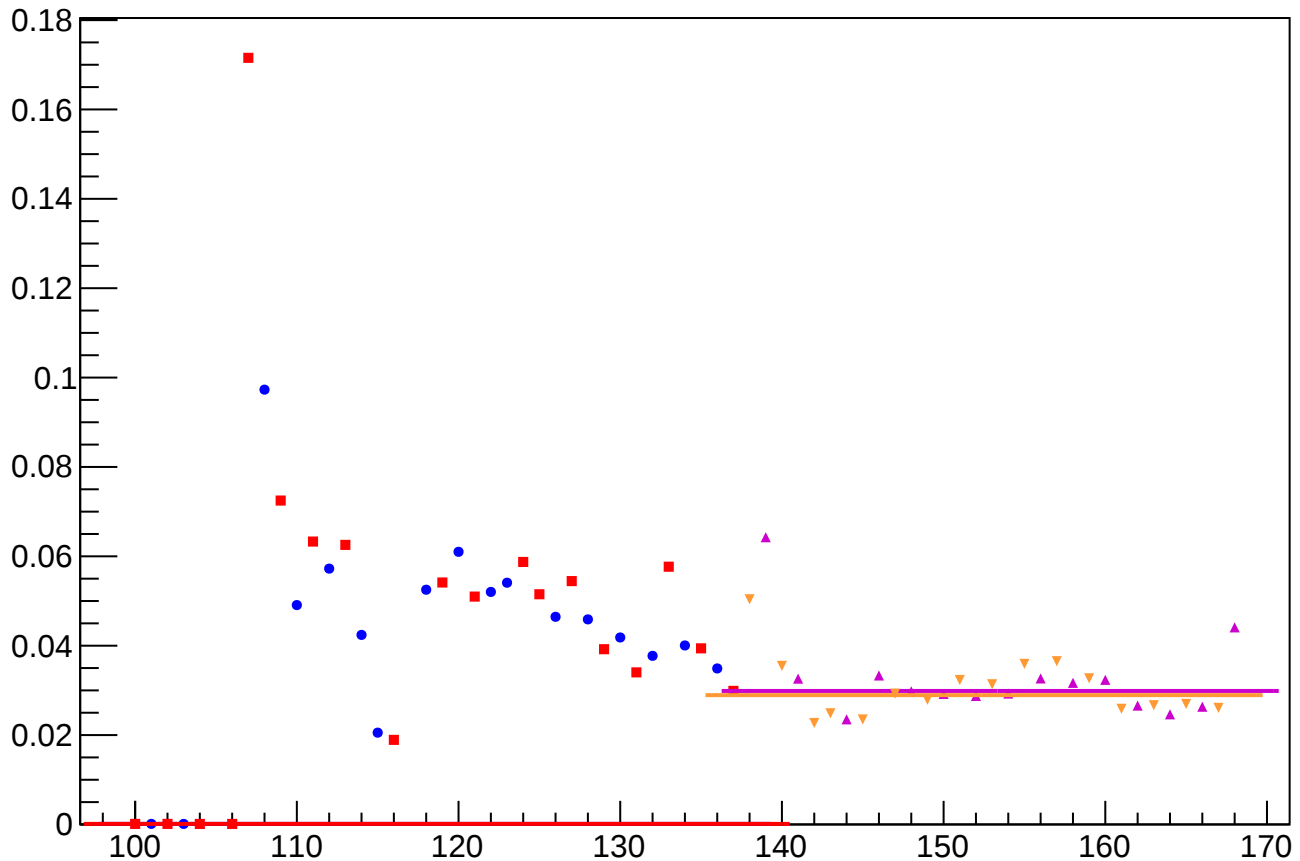
Left In: -0.669 $\pm$ 0.000 χ^2 /NDF: 95225564.4/14

+ sign 6.531 $\pm$ 0.000 χ^2 /NDF: 715149787426.3/32

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77710773122584.4/64

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756402831865399.9/36

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.029+/-0.000 χ^2/NDF : 588181.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

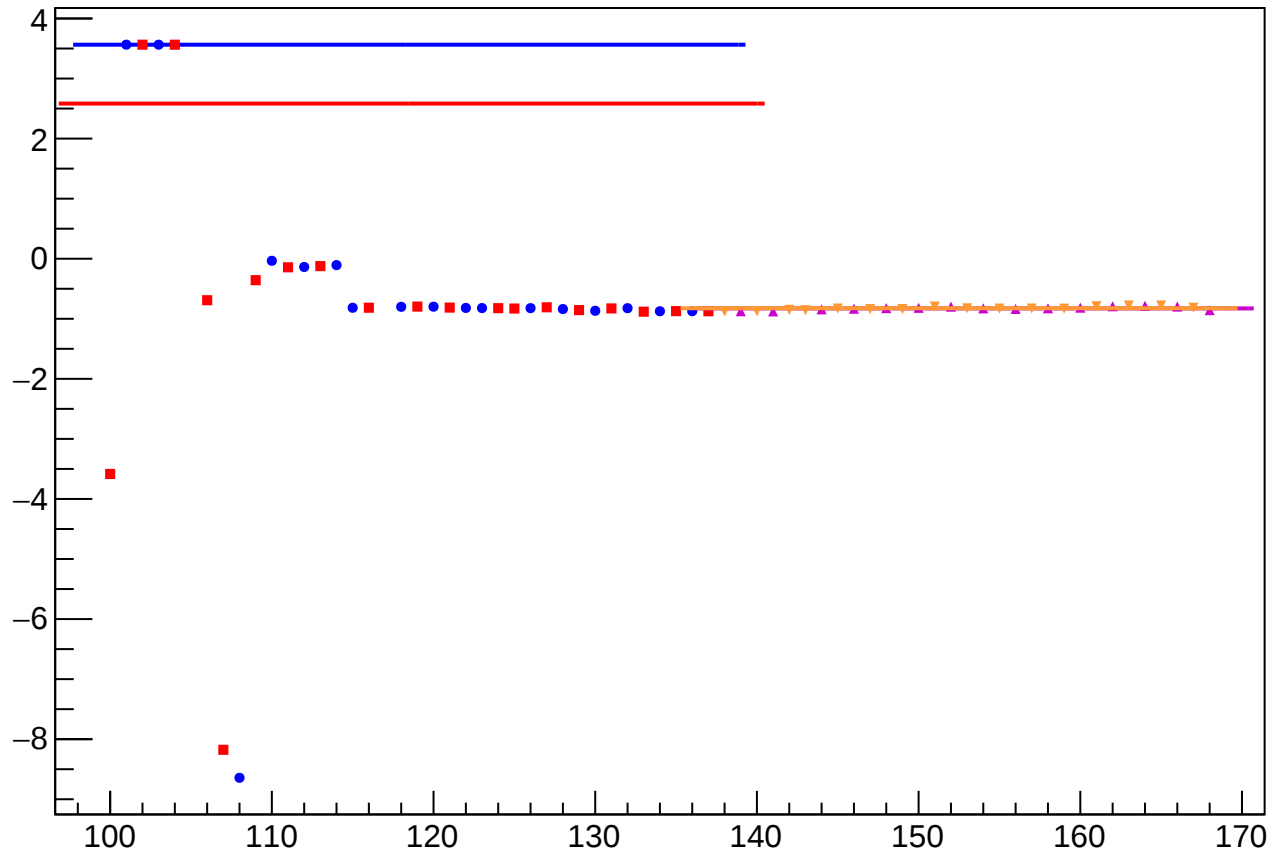
Left In: 0.030+/-0.000 χ^2/NDF : 762684.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 28221159.7/32

All: 0.000+/-0.000 χ^2/NDF : 56774282.1/66

- sign 0.000+/-0.000 χ^2/NDF : 28552621.8/33

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.824+/-0.000 χ^2/NDF : 125433911.2/15

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

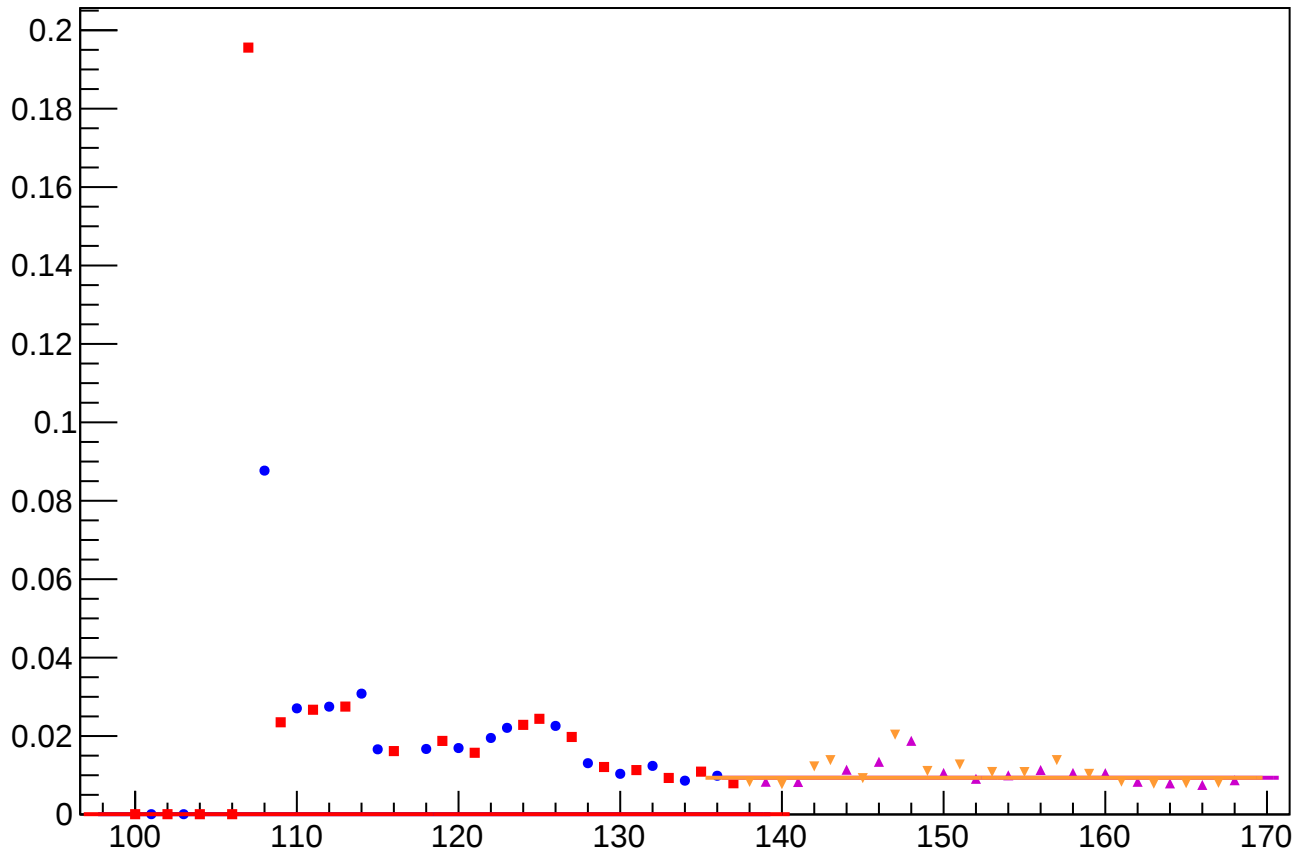
Left In: -0.827+/-0.000 χ^2/NDF : 108857631.8/14

+ sign 3.561+/-0.000 χ^2/NDF : 2536714111425.6/32

All: 3.039+/-0.000 χ^2/NDF : 13854433610735

- sign 2.582+/-0.000 χ^2/NDF : 1254741906115257.0

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 :1061659.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

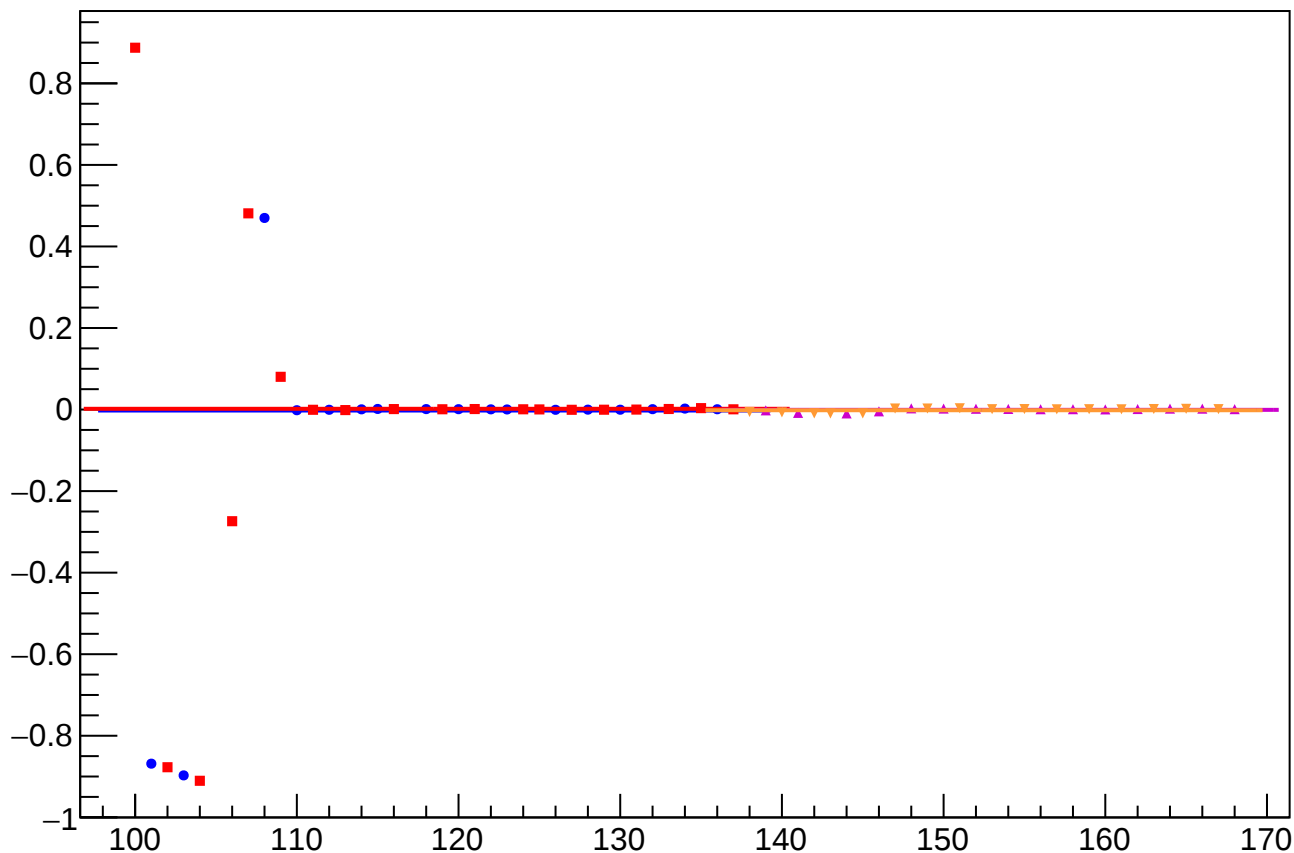
Left In: 0.009+/-0.000 χ^2/NDF :755638.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 29202401.3/32

All: 0.000+/-0.000 χ^2/NDF : 58221240.4/66

- sign 0.000+/-0.000 χ^2/NDF : 29018223.8/33

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.002 ± 0.000 χ^2/NDF : 91934954.6/15

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041319824.4/18

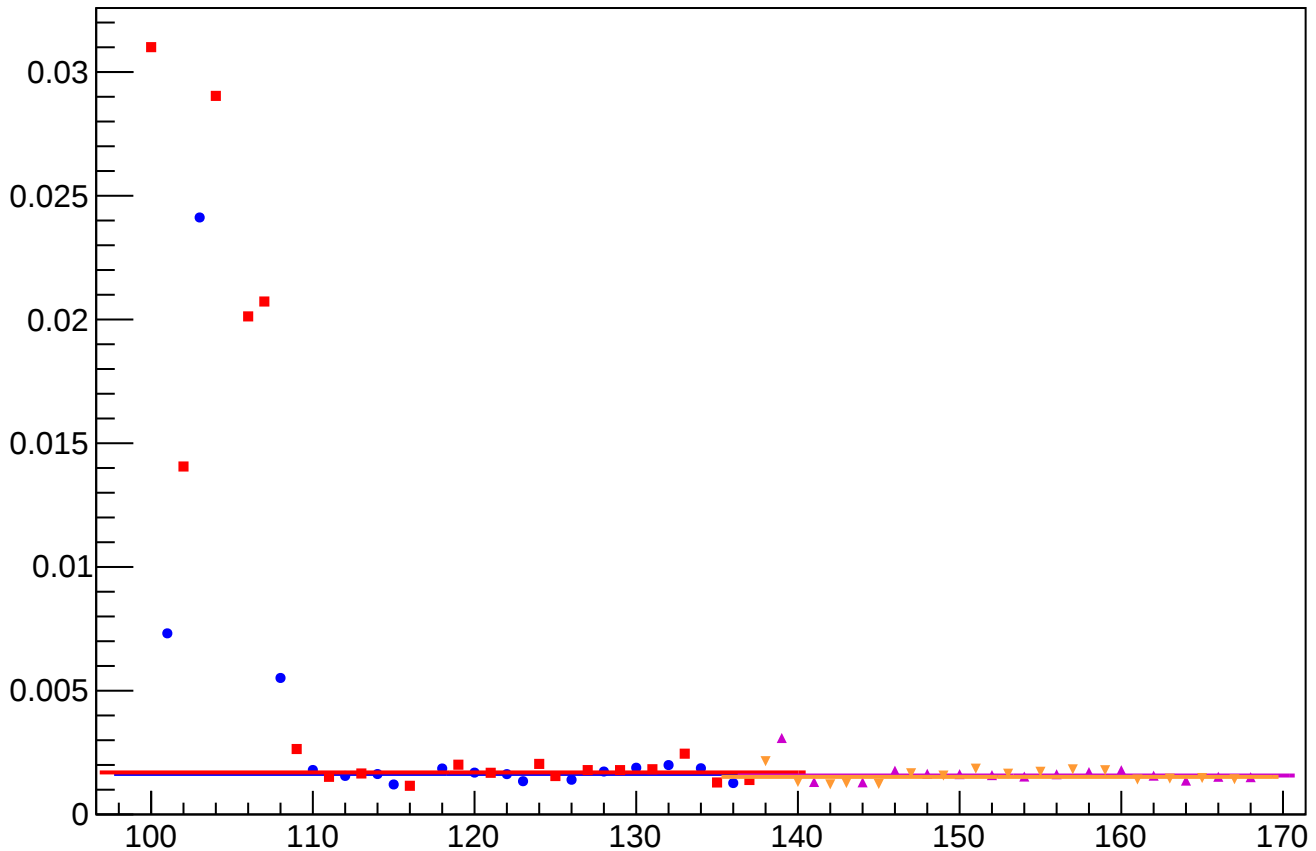
Left In: -0.001 ± 0.000 χ^2/NDF : 66520748.3/14

+ sign -0.002 ± 0.000 χ^2/NDF : 9887359417.9/32

All: -0.001 ± 0.000 χ^2/NDF : 13012330777.6/33

- sign 0.000 ± 0.000 χ^2/NDF : 3115072557.3/33

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: 426926.2/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

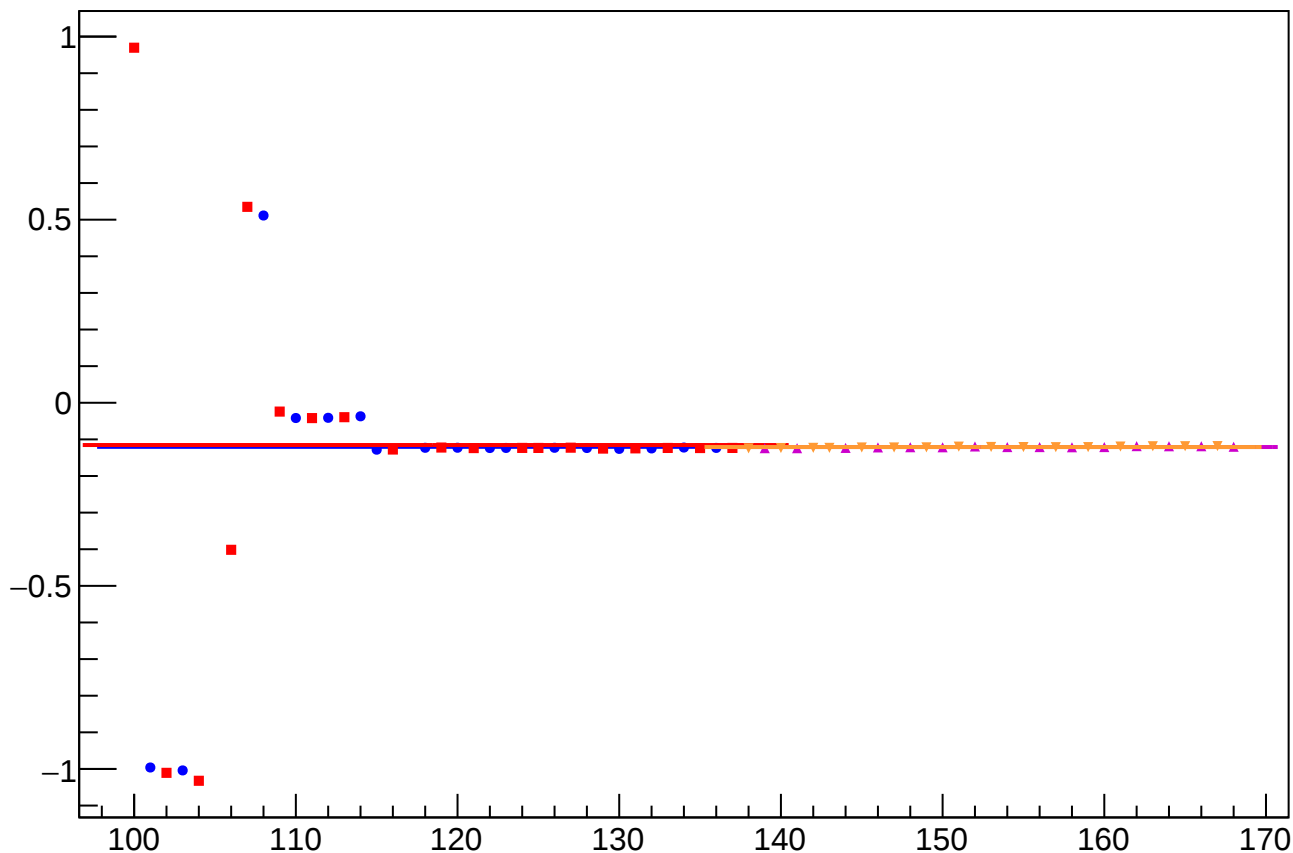
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 525109.4/14

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2377269.1/32

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5977990.2/66

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3583268.1/33

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 : 31510598.4/15

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

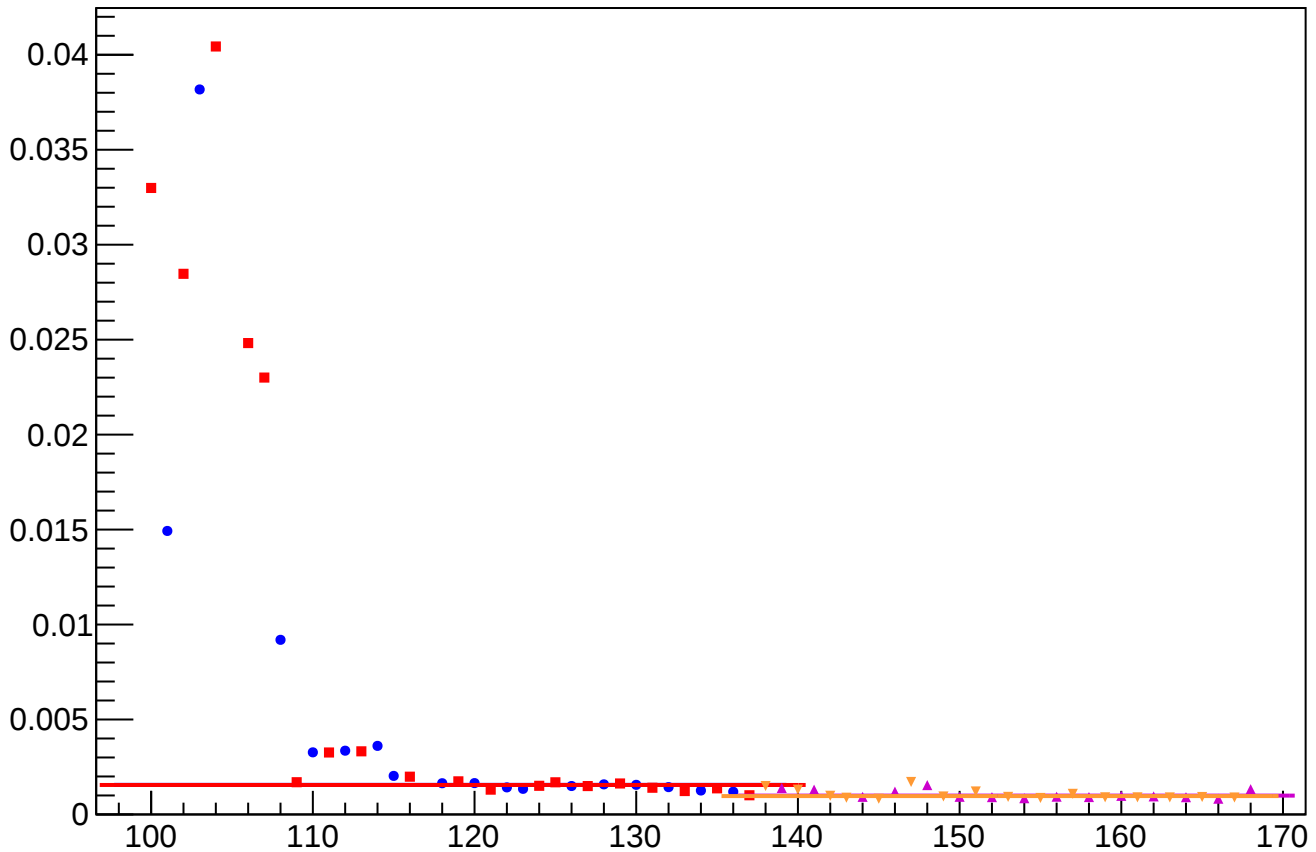
Left In: -0.121+/-0.000 χ^2/NDF : 28408834.1/14

+ sign -0.121+/-0.000 χ^2/NDF : 3964156538.4/32

All: -0.120+/-0.000 χ^2/NDF : 6500950122.6/6

- sign -0.120+/-0.000 χ^2/NDF : 2533242718.0/33

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: 727262.4/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

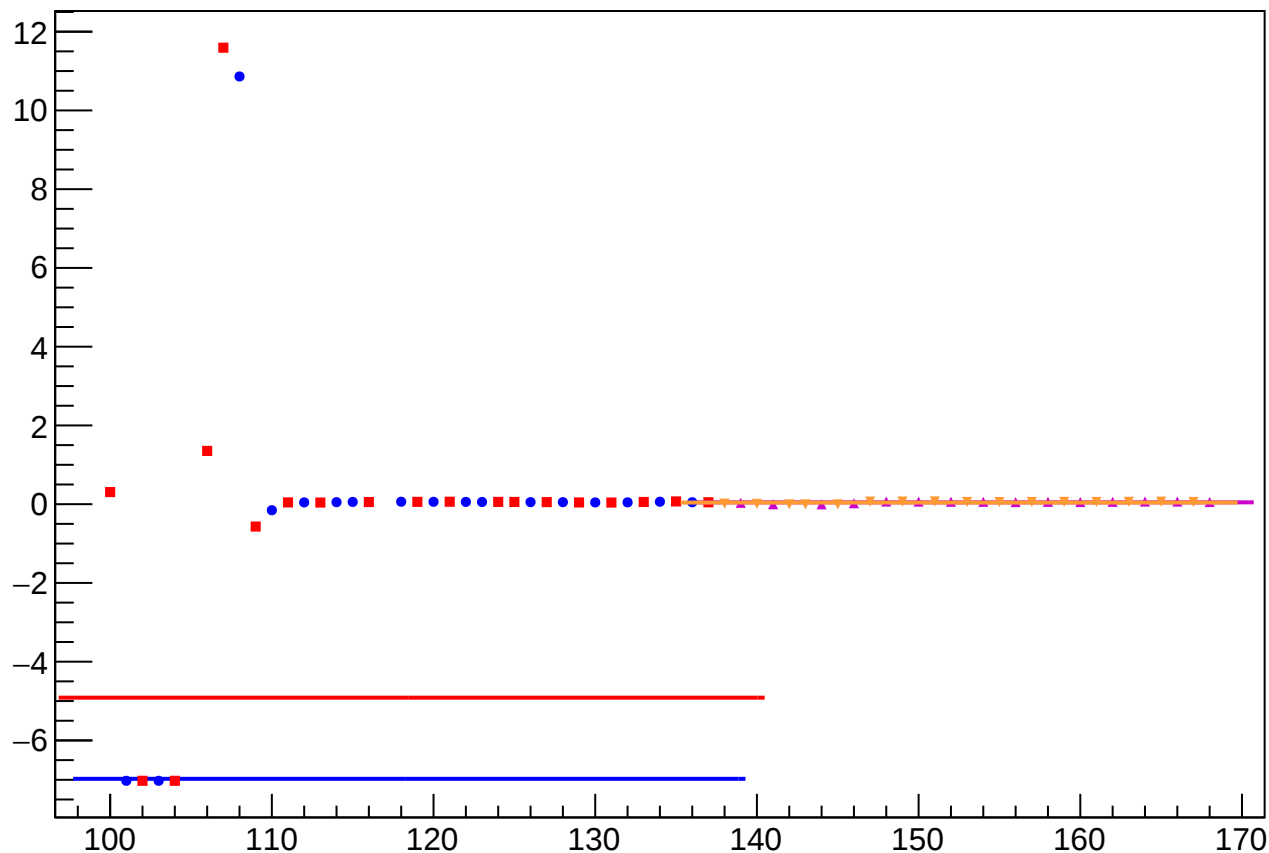
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 666496.7/14

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4753863.3/32

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 9981372.1/66

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5218697.3/33

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.041+/-0.000 χ^2/NDF :94001481.2/15

Right Out: -4.914+/-0.000 χ^2/NDF : 365358092730279.9/18

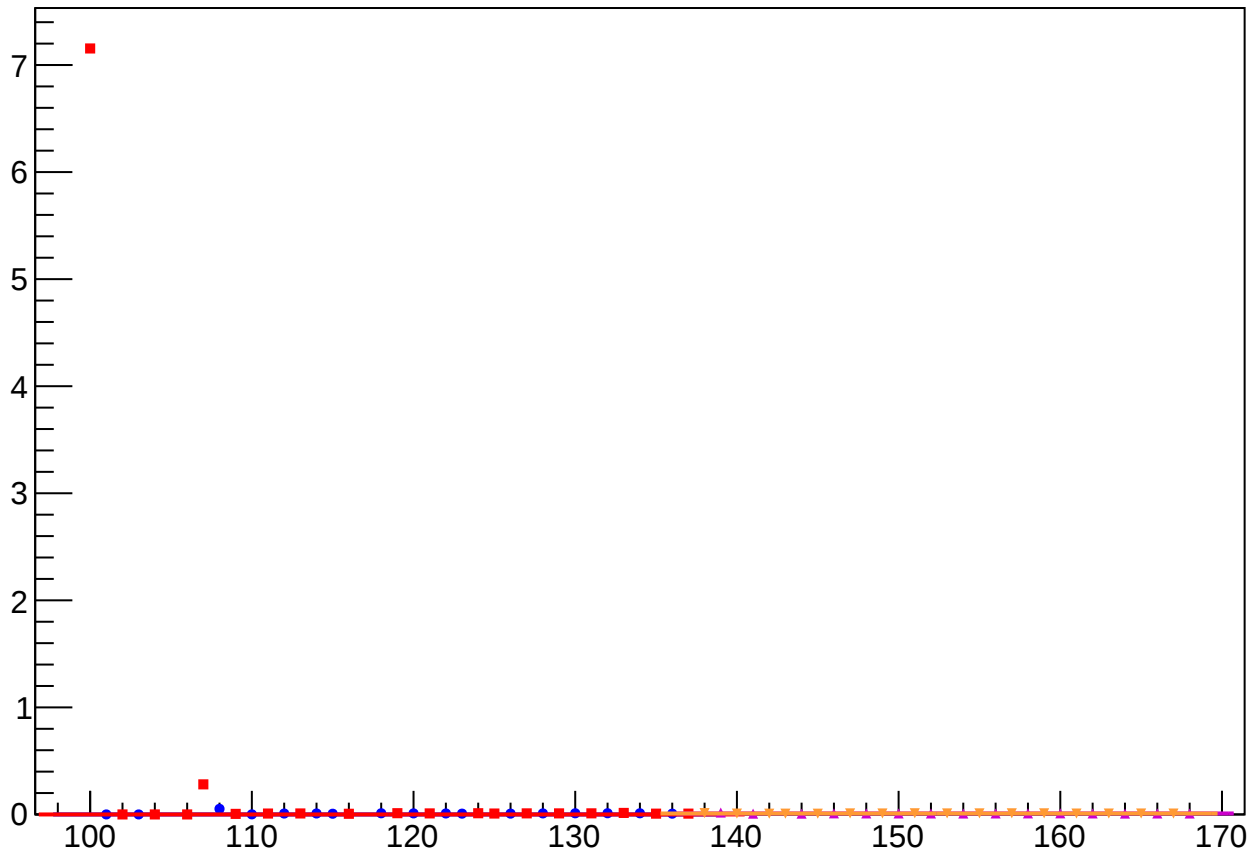
Left In: 0.046+/-0.000 χ^2/NDF :74060556.8/14

+ sign -6.943+/-0.000 χ^2/NDF : 14516034262267.0/16

All: -5.874+/-0.000 χ^2/NDF : 4382954782685.0/16

- sign -4.894+/-0.000 χ^2/NDF : 368039301675180.6/16

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 : 419700.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

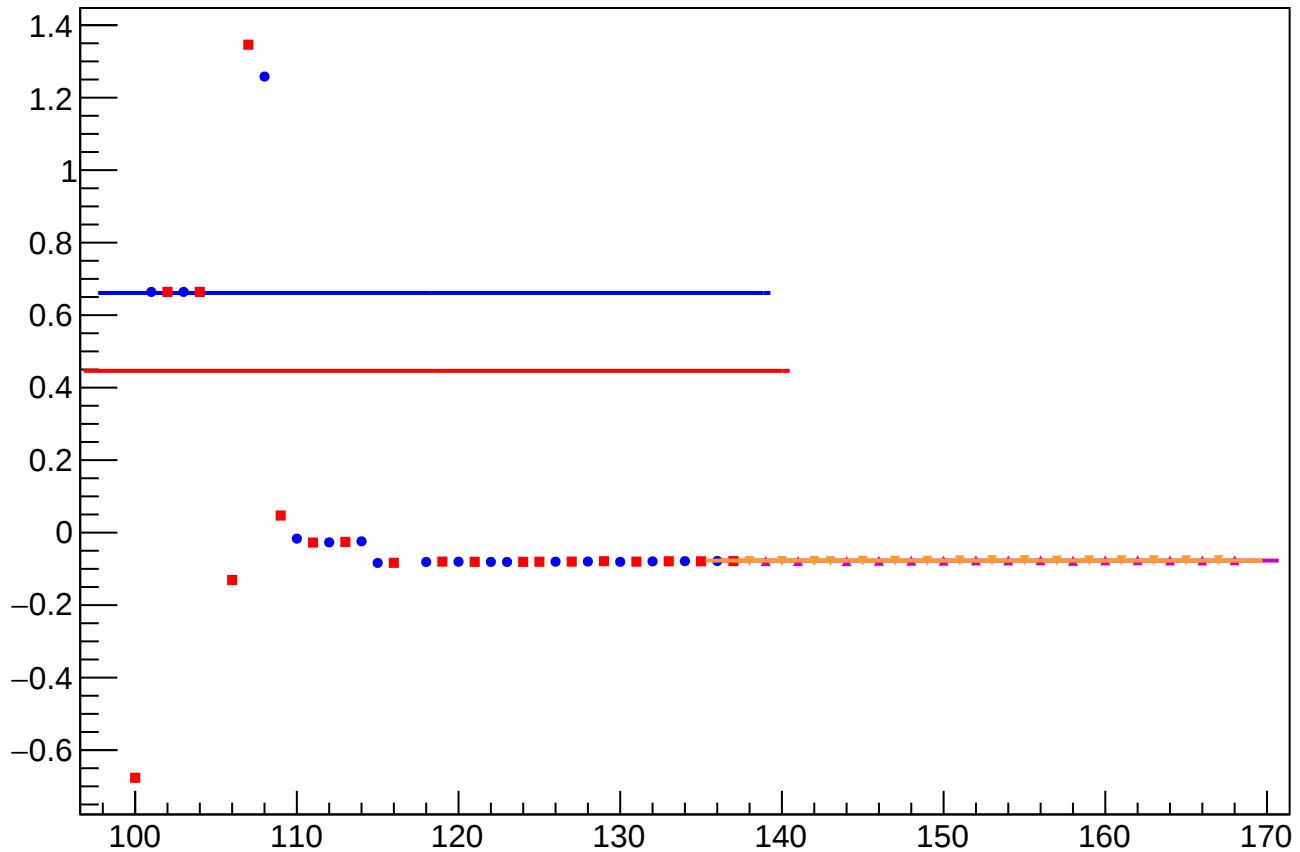
Left In: 0.009+/-0.000 χ^2/NDF : 517654.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 26733921.6/32

All: 0.000+/-0.000 χ^2/NDF : 54116885.2/66

- sign 0.000+/-0.000 χ^2/NDF : 27381276.0/33

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: 29978489.3/15

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405416924315199.0/18

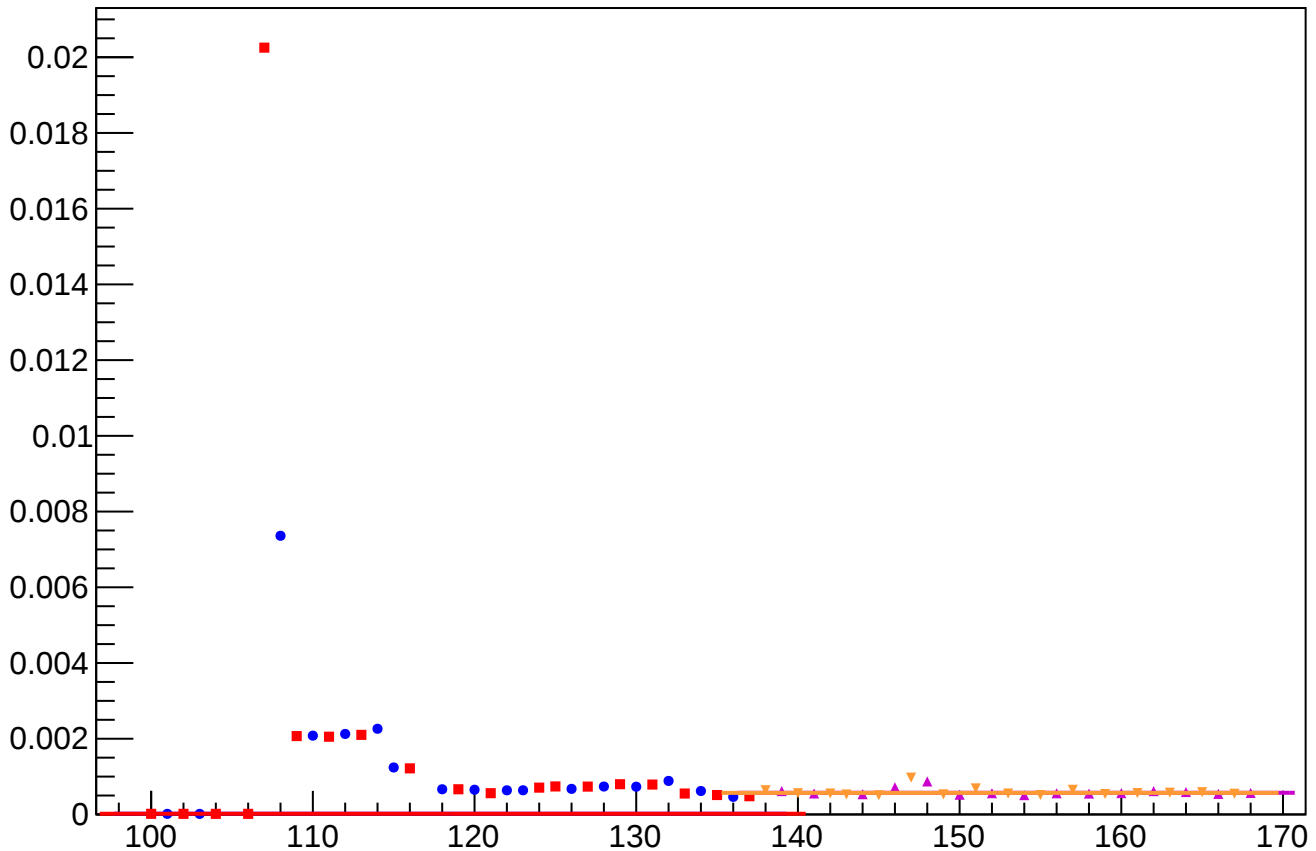
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 21796285.5/14

+ sign 0.651 $\pm$ 0.000 χ^2 /NDF: 24249693692979.0/3

All: 0.541 $\pm$ 0.000 χ^2 /NDF: 50051883071115

- sign 0.440 $\pm$ 0.000 χ^2 /NDF: 414622560195959.2/

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 : 410890.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

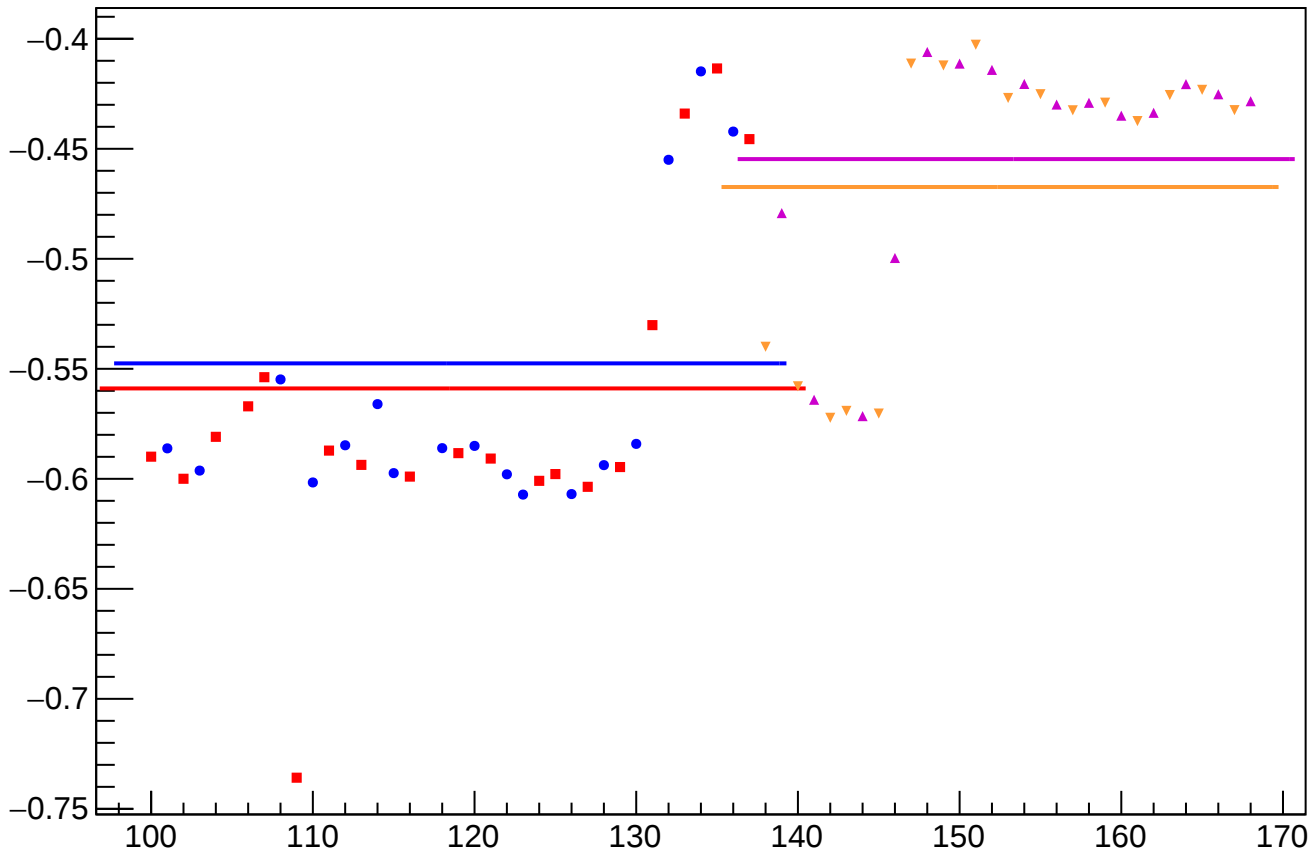
Left In: 0.001+/-0.000 χ^2/NDF : 315839.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 31093376.5/32

All: 0.000+/-0.000 χ^2/NDF : 61516582.5/66

- sign 0.000+/-0.000 χ^2/NDF : 30421587.5/33

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.467+/-0.000 χ^2/NDF : 102248062.5/15

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

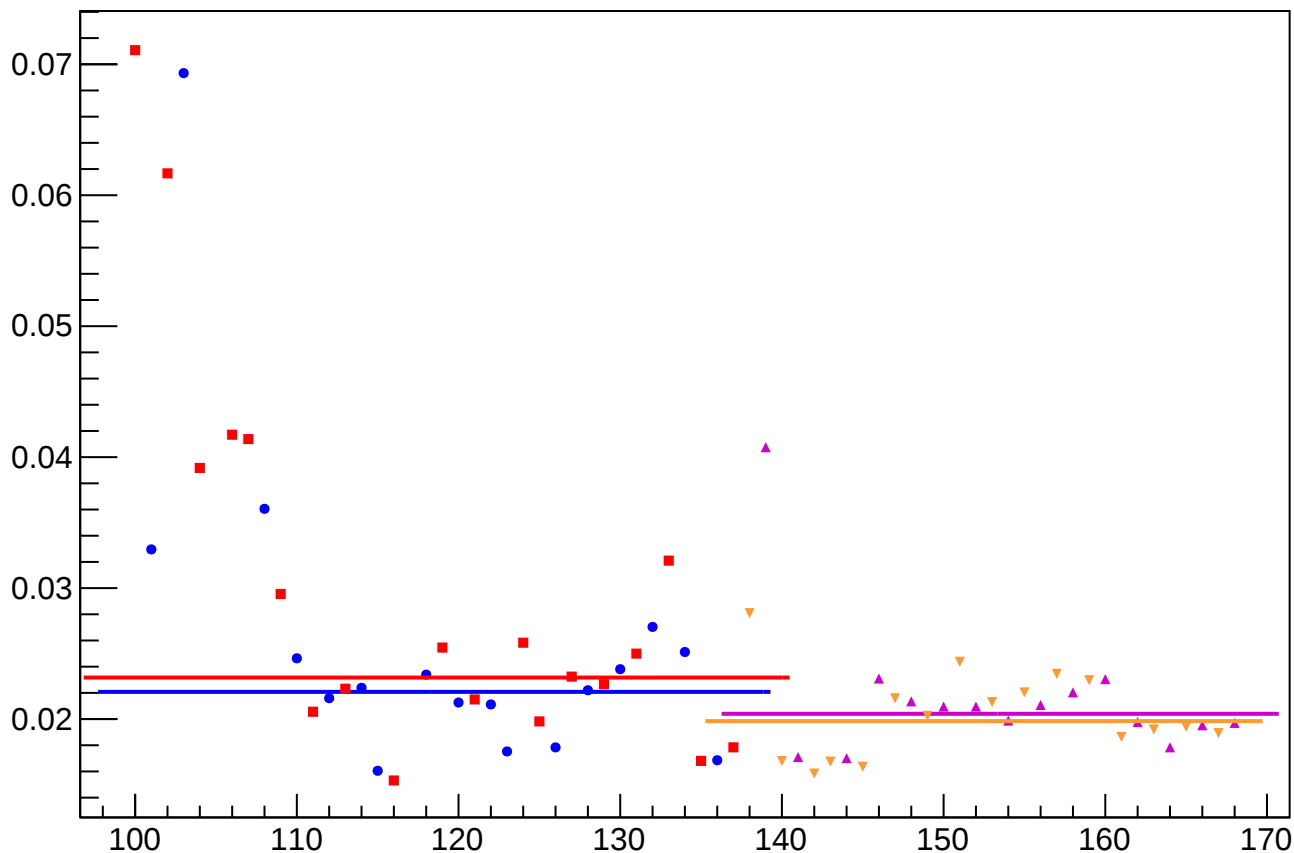
Left In: -0.455+/-0.000 χ^2/NDF : 73945389.1/14

+ sign -0.492+/-0.000 χ^2/NDF : 197216232.0/32

All: -0.489+/-0.000 χ^2/NDF : 411763966.5/66

- sign -0.486+/-0.000 χ^2/NDF : 214116054.6/33

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 954779.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:396493.1/15

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156758.3/18

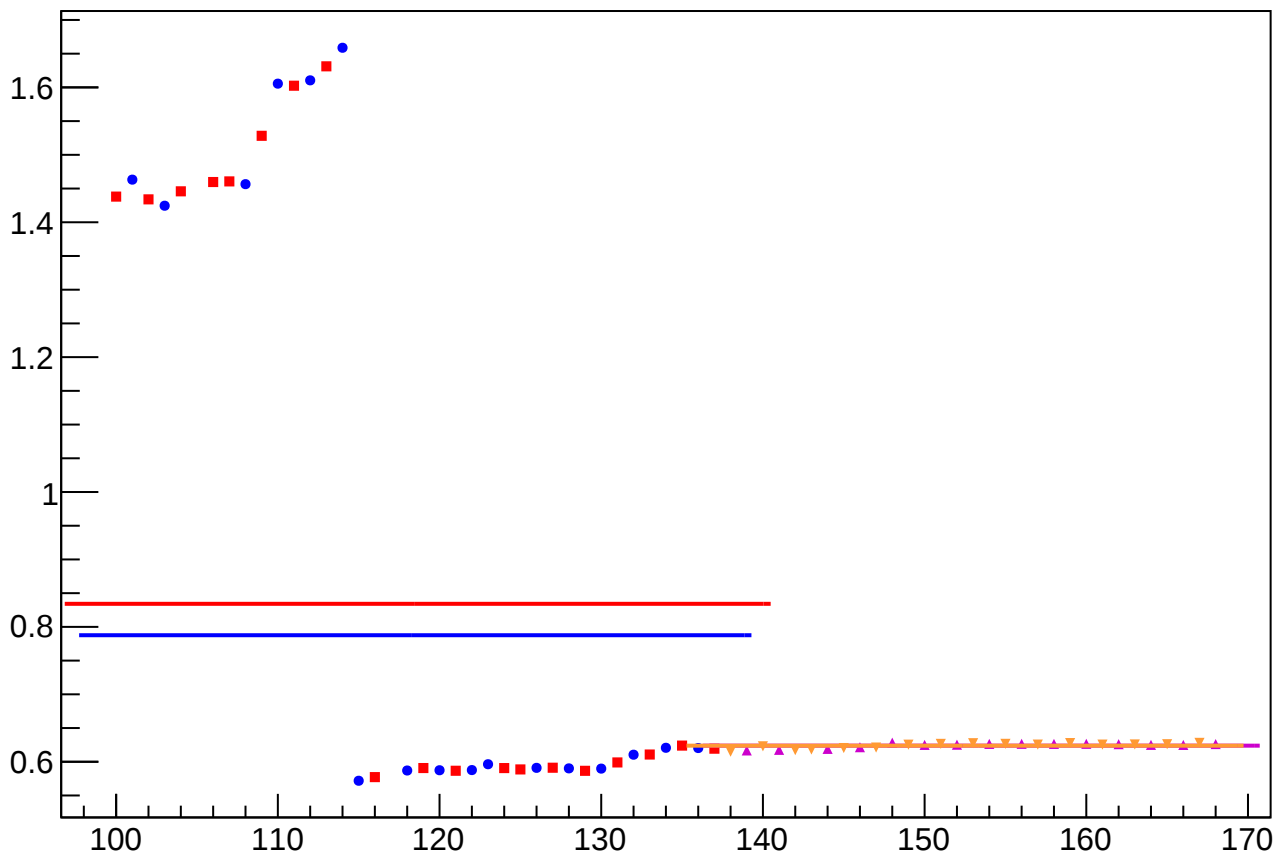
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:527271.1/14

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1423306.9/32

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3230464.7/66

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1789495.1/33

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:1135107.5/15

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152115639.4/18

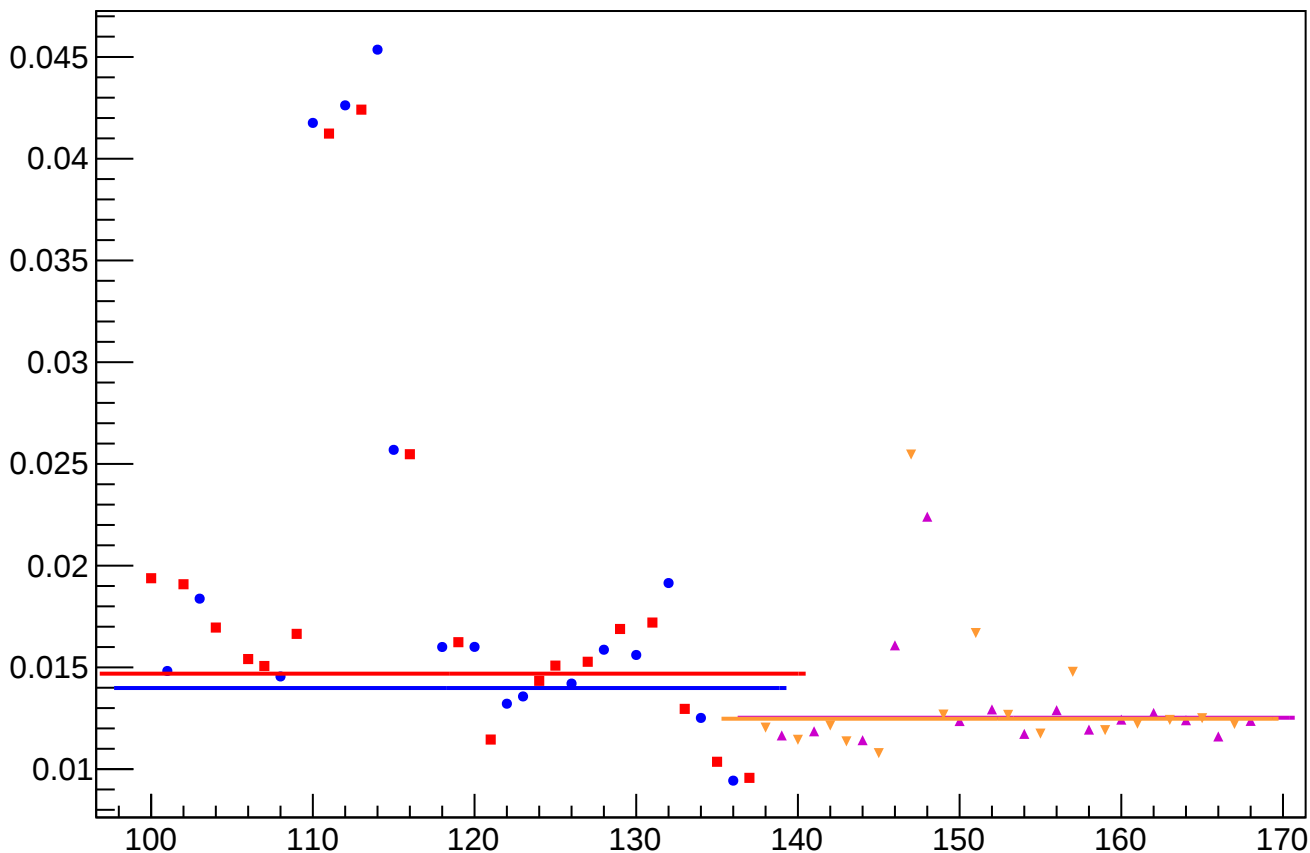
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:906807.1/14

+ sign 0.670 $\pm$ 0.000 χ^2 /NDF: 4134137768.3/32

All: 0.677 $\pm$ 0.000 χ^2 /NDF: 9180725565.3/60

- sign 0.683 $\pm$ 0.000 χ^2 /NDF: 5038789744.7/33

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 : 589131.1/15

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1258511.3/18

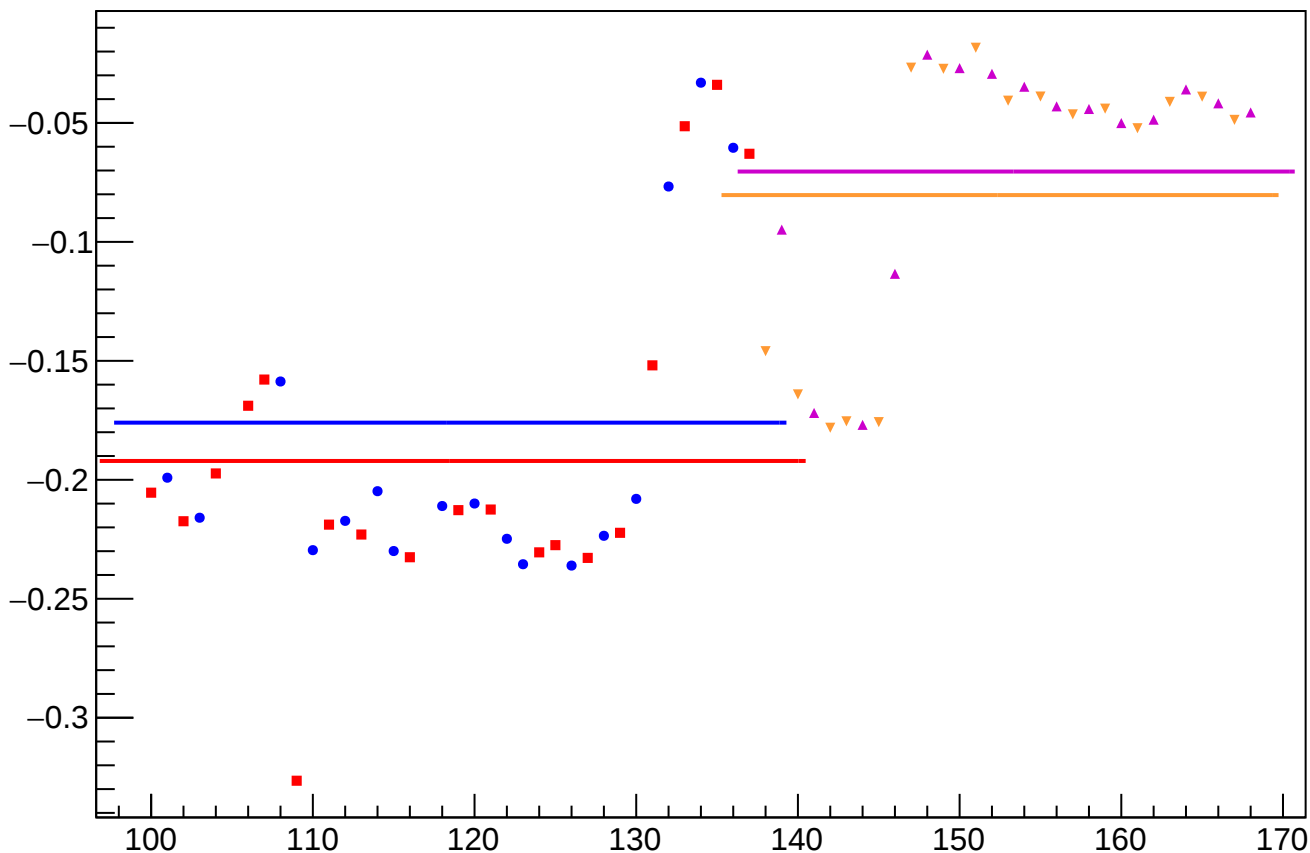
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 417614.3/14

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2081207.2/32

All: 0.013 $\pm$ 0.000 χ^2/NDF : 3950412.5/66

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 1864033.0/33

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.080+/-0.000 χ^2/NDF : 97523517.4/15

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

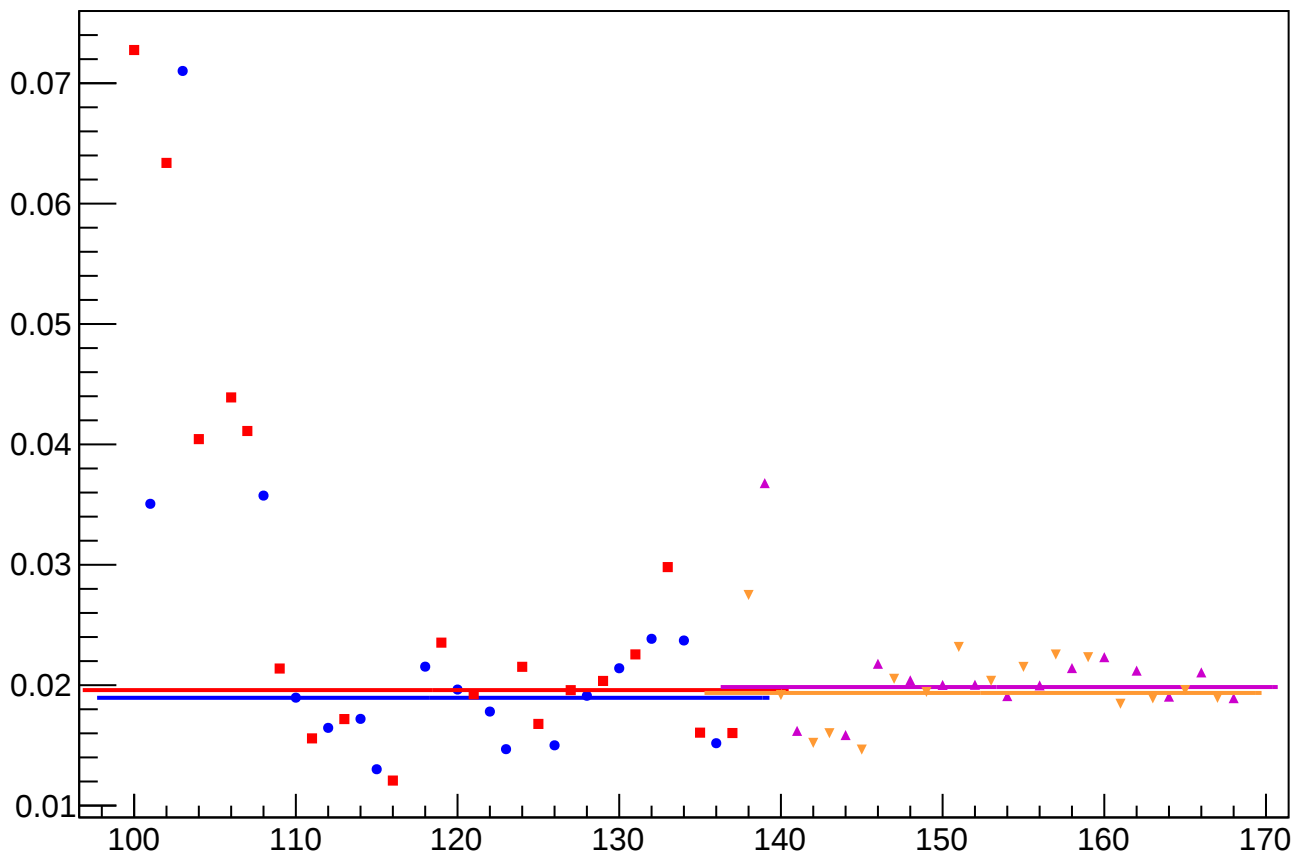
Left In: -0.070+/-0.000 χ^2/NDF : 74227622.3/14

+ sign -0.114+/-0.000 χ^2/NDF : 249473982.9/32

All: -0.114+/-0.000 χ^2/NDF : 535043776.5/66

- sign -0.114+/-0.000 χ^2/NDF : 285568821.4/33

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 417749.2/15

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

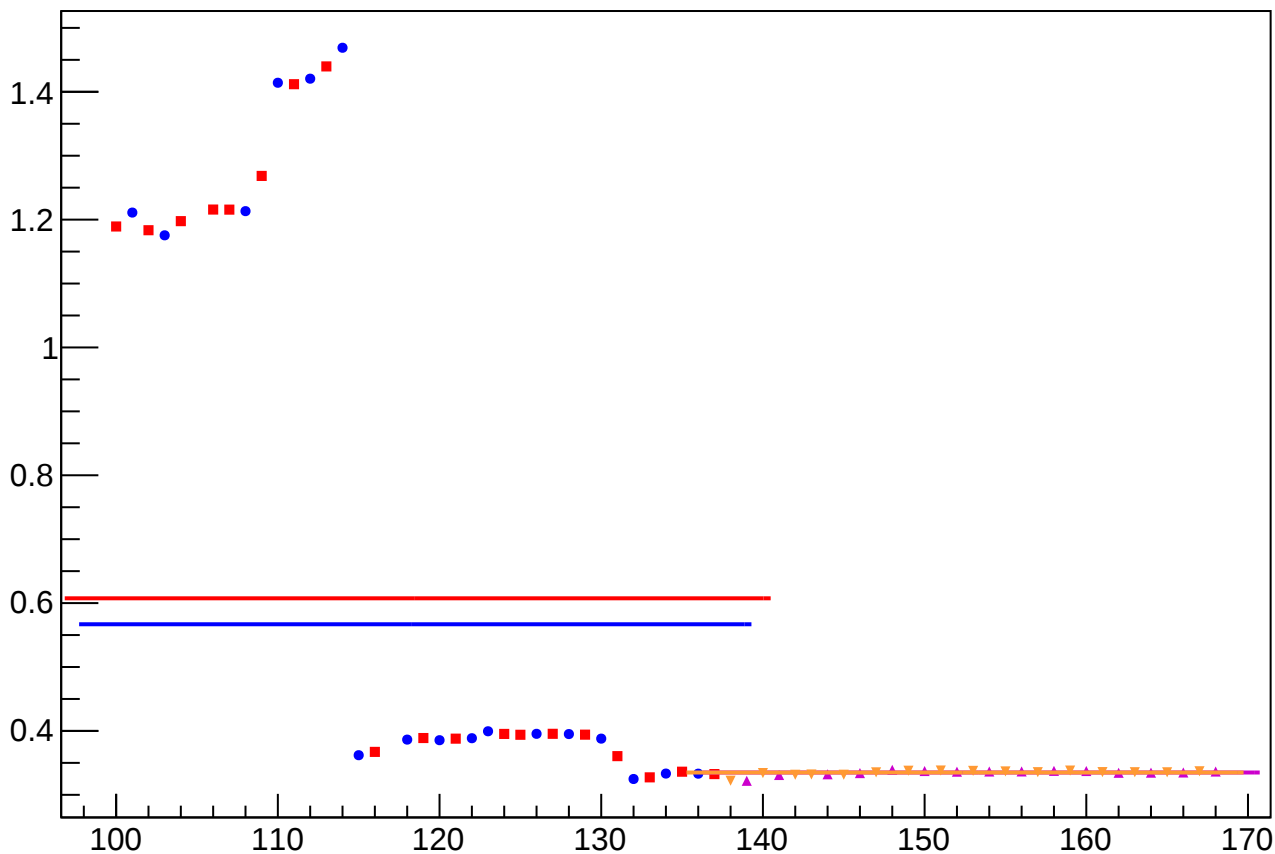
Left In: 0.020+/-0.000 χ^2/NDF : 496913.4/14

+ sign 0.019+/-0.000 χ^2/NDF : 1623937.6/32

All: 0.019+/-0.000 χ^2/NDF : 3588517.6/66

- sign 0.020+/-0.000 χ^2/NDF : 1953353.3/33

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 :1093504.0/15

Right Out: 0.607+/-0.000 χ^2/NDF : 5505226431.3/18

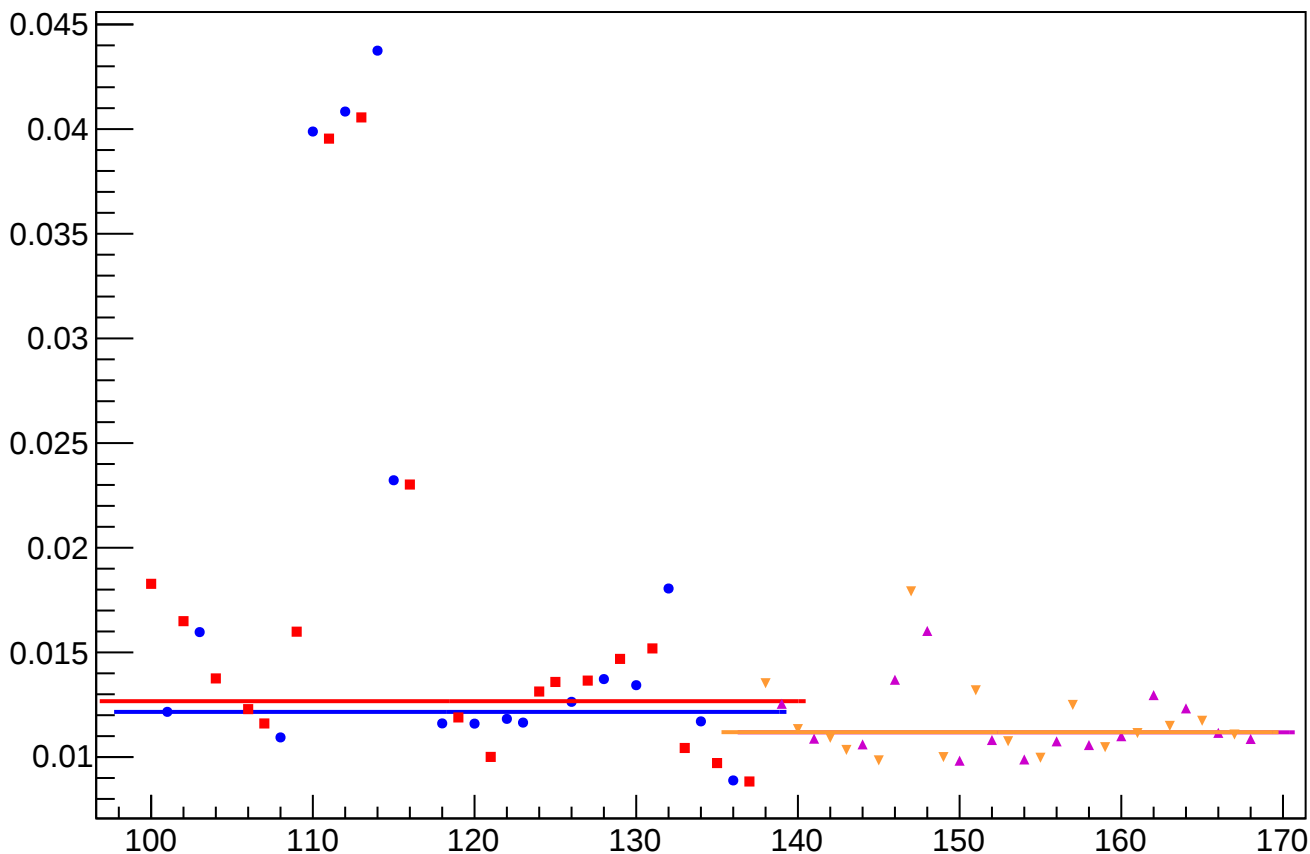
Left In: 0.335+/-0.000 χ^2/NDF :1168639.2/14

+ sign 0.404+/-0.000 χ^2/NDF : 6452597964.8/32

All: 0.409+/-0.000 χ^2/NDF : 13894988494.2/64

- sign 0.414+/-0.000 χ^2/NDF : 7435056610.9/33

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: 398807.2/15

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

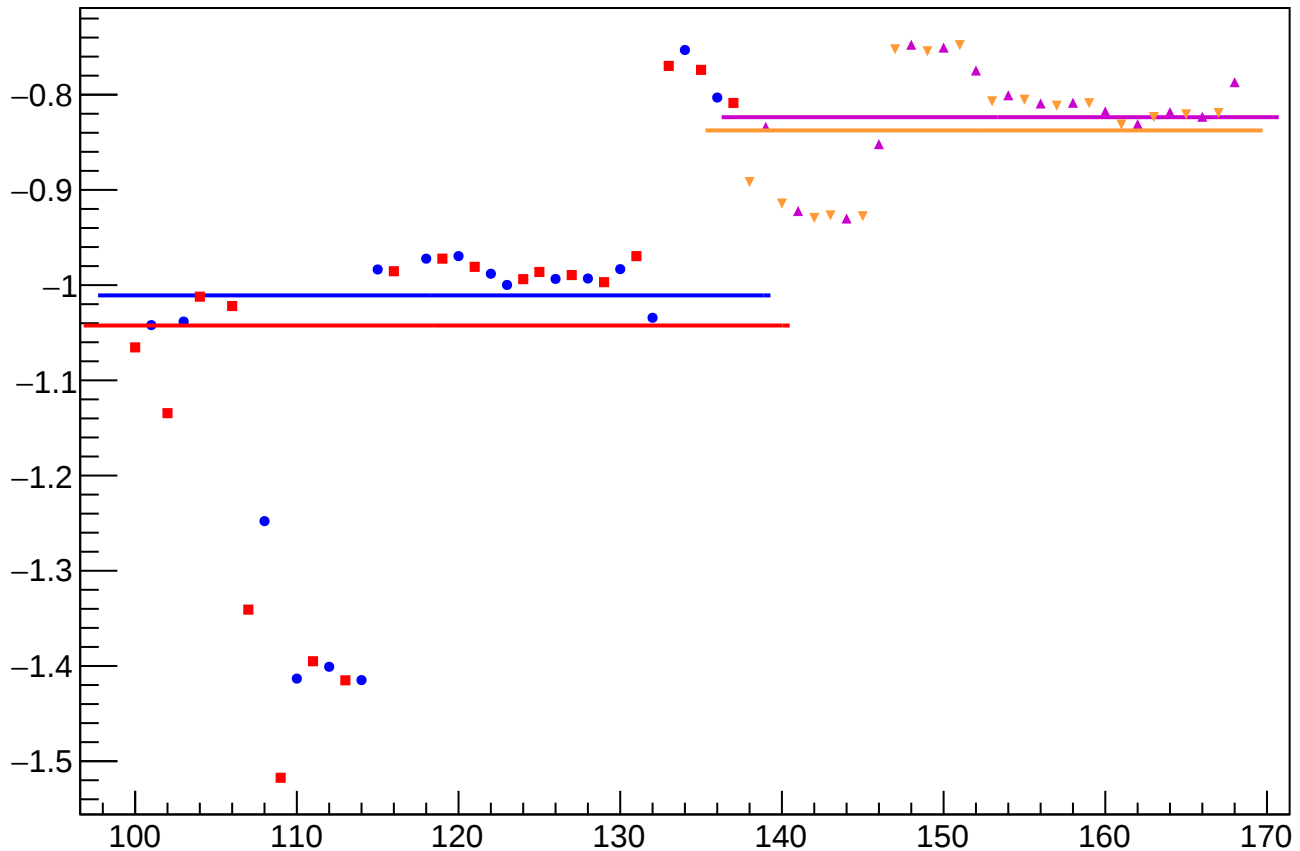
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 323005.1/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1756739.1/32

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3464265.7/66

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1705055.8/33

yield_bpm4acX_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.838+/-0.000 χ^2/NDF : 93456070.9/15

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

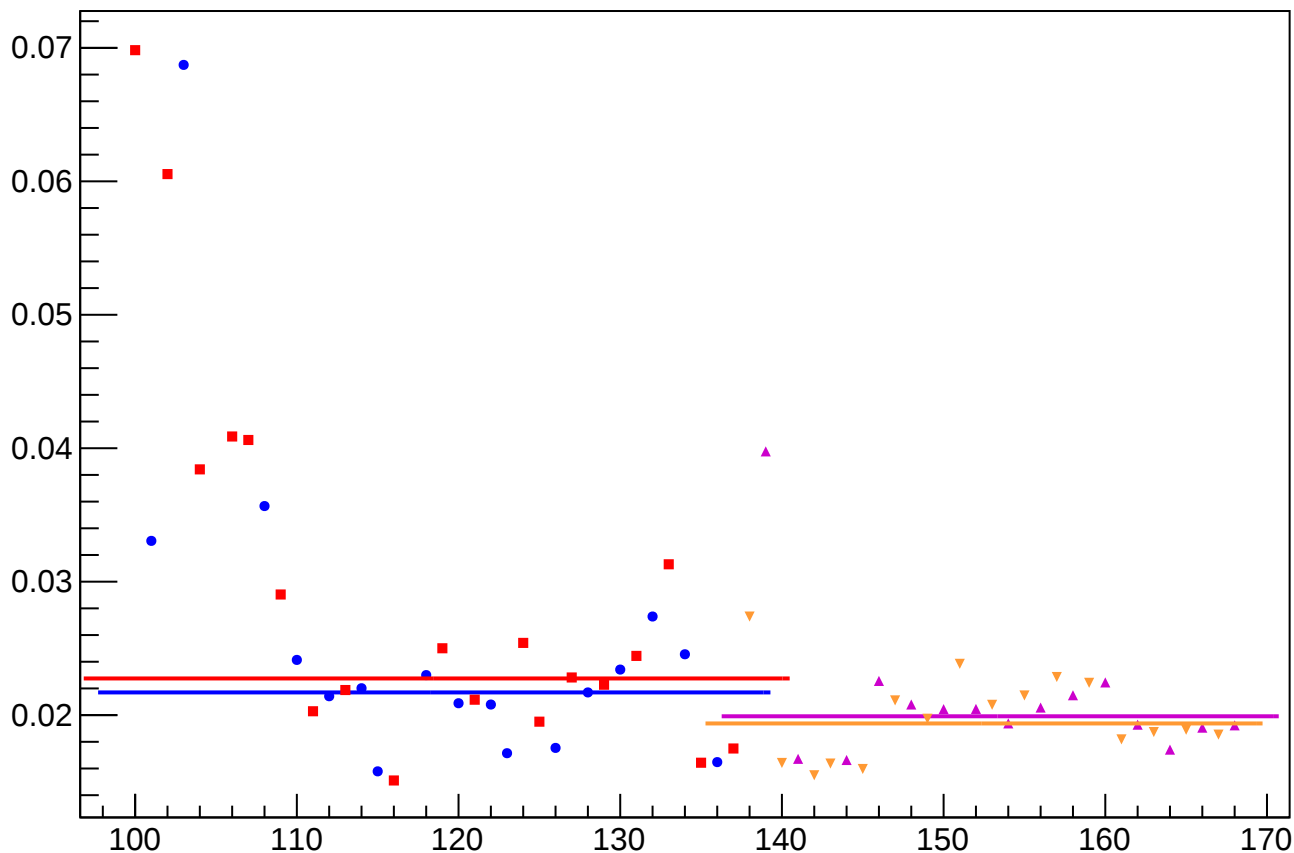
Left In: -0.824+/-0.000 χ^2/NDF : 73020597.4/14

+ sign -0.889+/-0.000 χ^2/NDF : 705711556.8/32

All: -0.889+/-0.000 χ^2/NDF : 1650498599.1/6

- sign -0.890+/-0.000 χ^2/NDF : 944783664.3/33

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: 394317.1/15

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152332.6/18

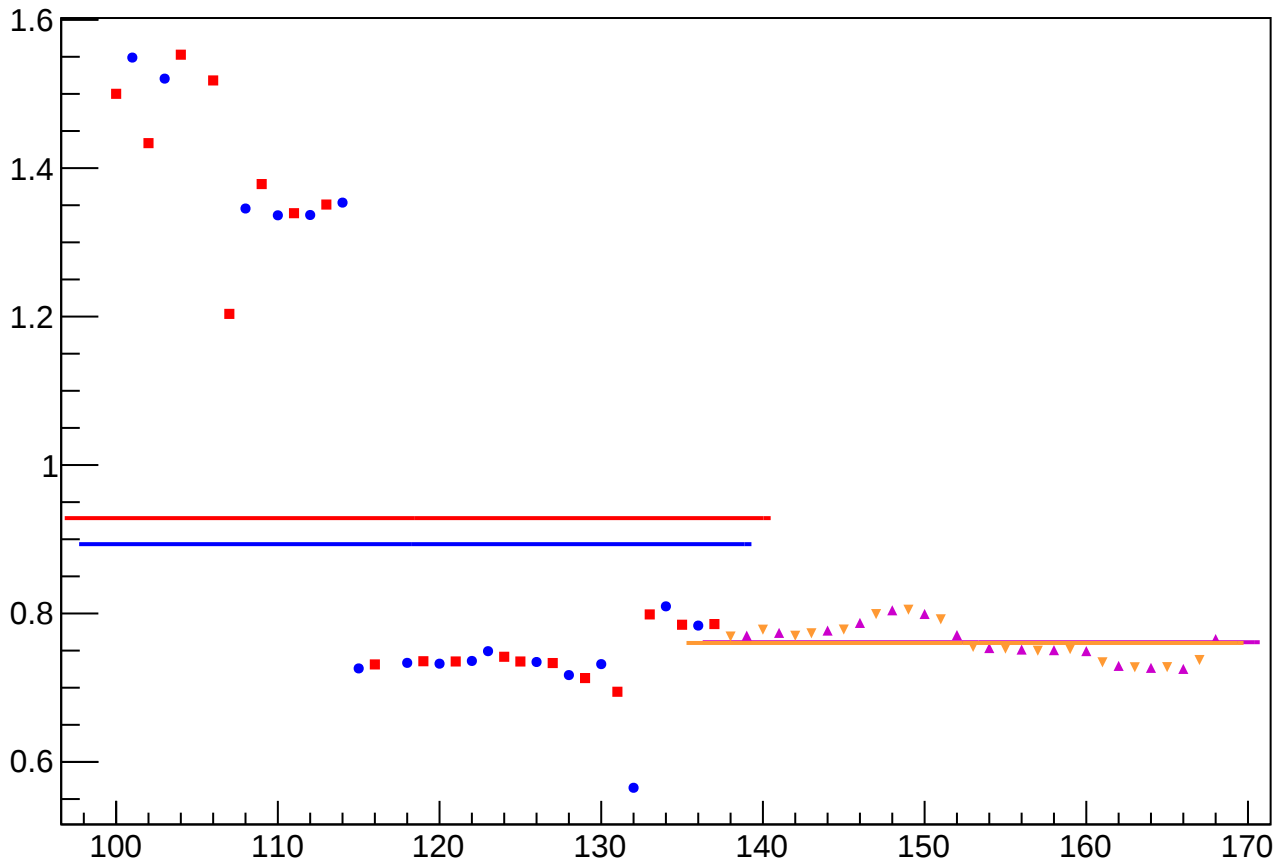
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 524182.9/14

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1454705.8/32

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3263302.4/66

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1791553.5/33

yield_bpm4acY_mean vs Slug



Right In: 0.893 $\pm$ 0.000 χ^2 /NDF: 2408017556.1/16

Left Out: 0.760 $\pm$ 0.000 χ^2 /NDF: 36445555.1/15

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2435640156.0/18

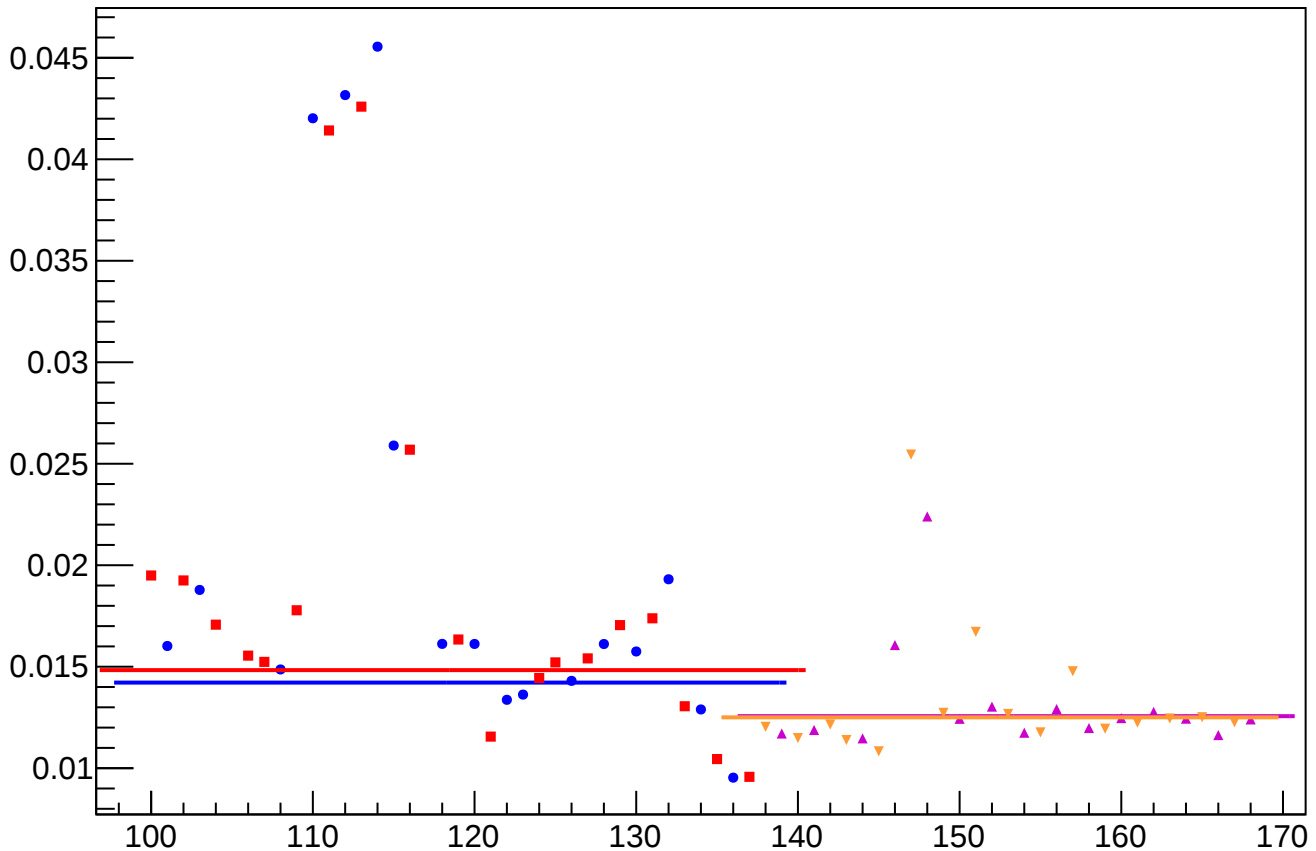
Left In: 0.761 $\pm$ 0.000 χ^2 /NDF: 32621848.5/14

+ sign 0.797 $\pm$ 0.000 χ^2 /NDF: 2798464000.7/32

All: 0.802 $\pm$ 0.000 χ^2 /NDF: 5821475279.5/60

- sign 0.808 $\pm$ 0.000 χ^2 /NDF: 3017633059.0/33

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF :584464.0/15

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1269559.2/18

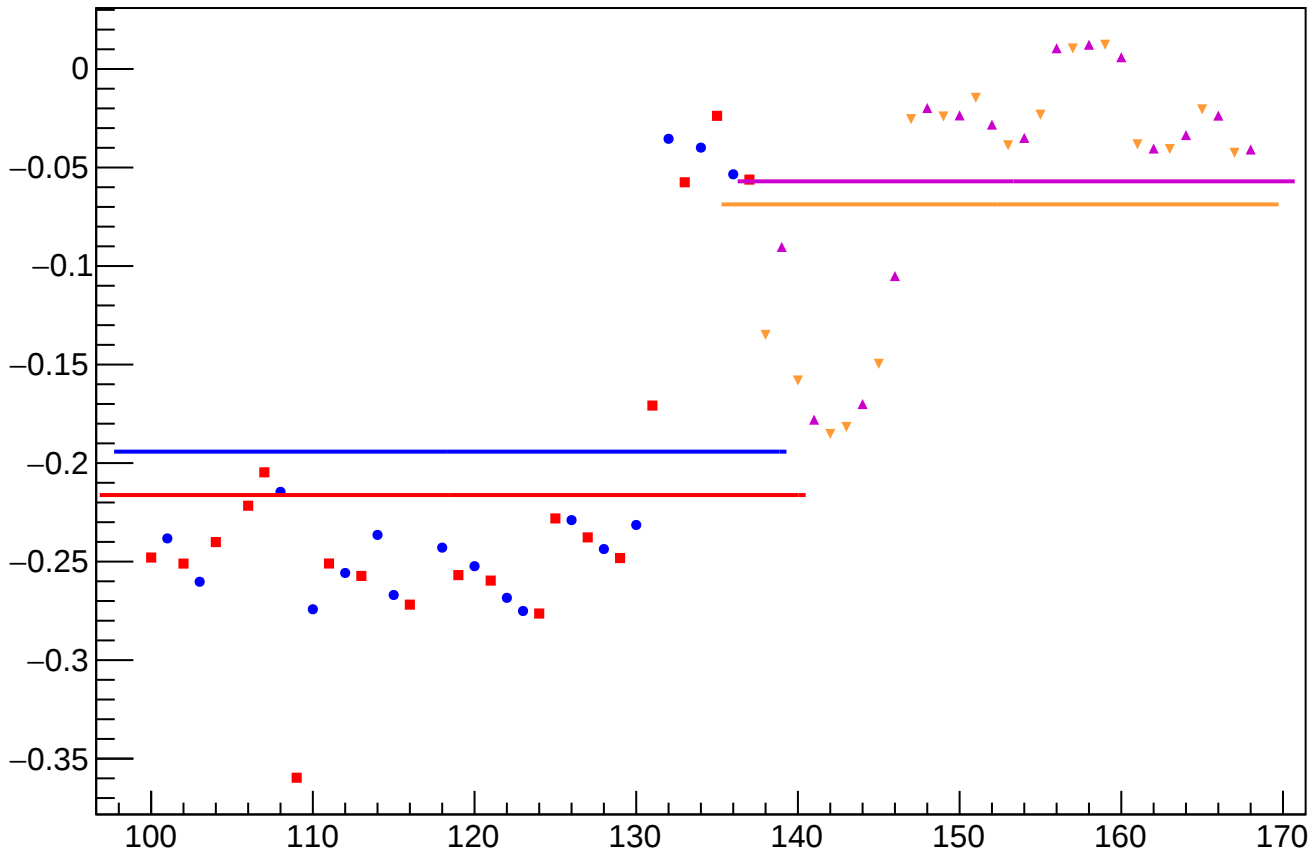
Left In: 0.013 $\pm$ 0.000 χ^2/NDF :413395.7/14

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2111256.9/32

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4001037.3/66

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 1885330.0/33

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.069+/-0.000 χ^2/NDF : 114547777.4/15

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

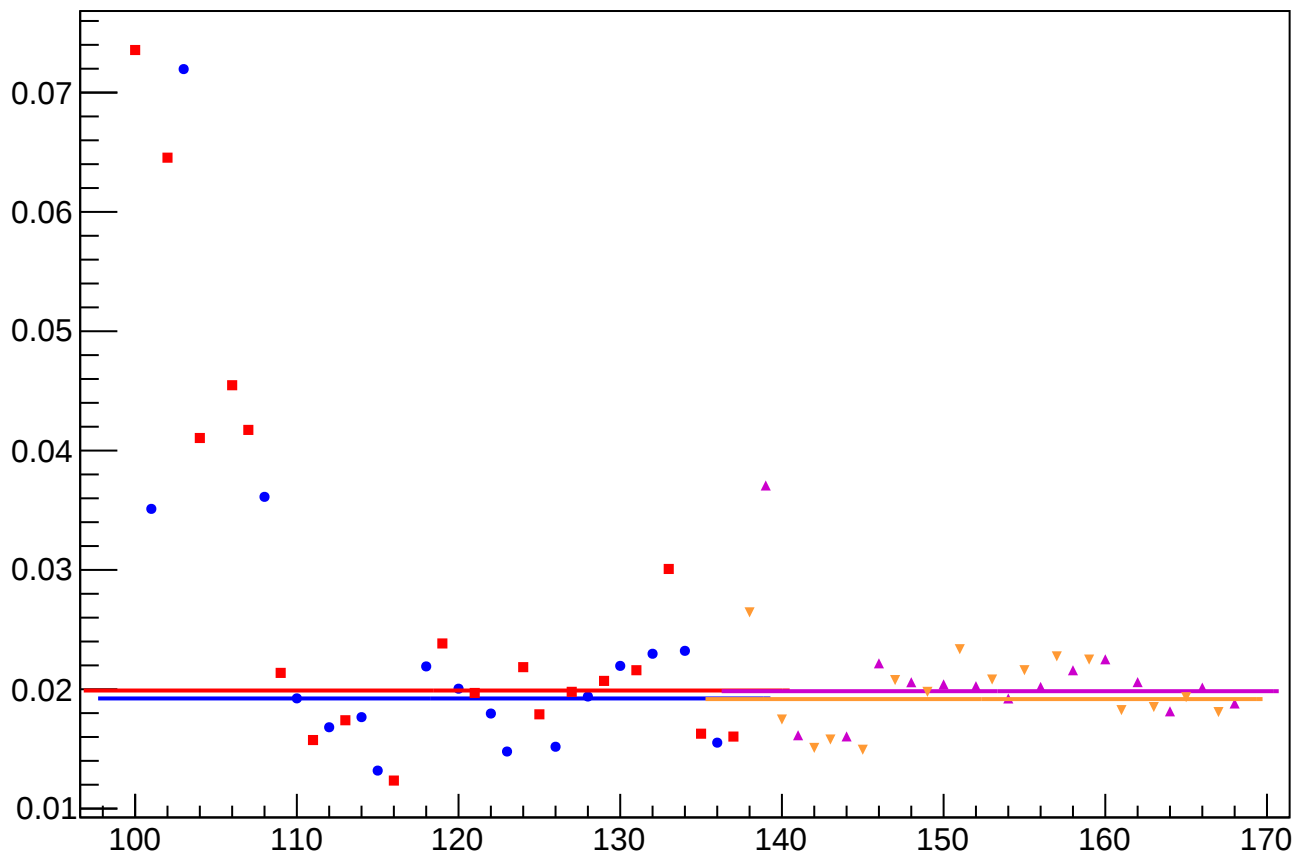
Left In: -0.057+/-0.000 χ^2/NDF : 97281493.8/14

+ sign -0.112+/-0.000 χ^2/NDF : 361823929.9/32

All: -0.112+/-0.000 χ^2/NDF : 784667491.8/66

- sign -0.113+/-0.000 χ^2/NDF : 422797868.1/33

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: 425783.9/15

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1444442.2/18

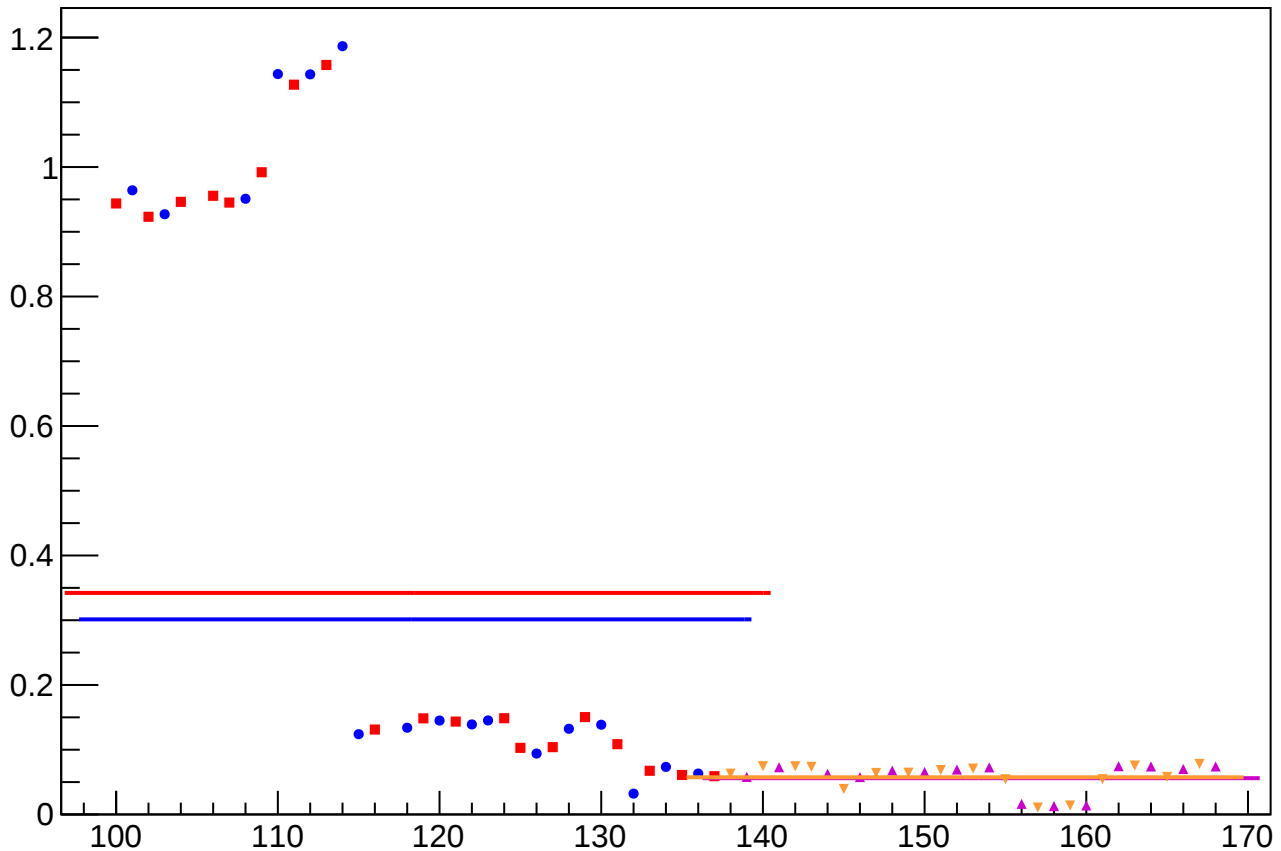
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 506019.2/14

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1600410.9/32

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3567719.1/66

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1950515.7/33

yield_bpm4ecY_mean vs Slug



Right In: 0.301 $\pm$ 0.000 χ^2 /NDF: 5154791073.8/16

Left Out: 0.057 $\pm$ 0.000 χ^2 /NDF: 40315064.5/15

+ sign 0.128 $\pm$ 0.000 χ^2 /NDF: 6818598523.6/32

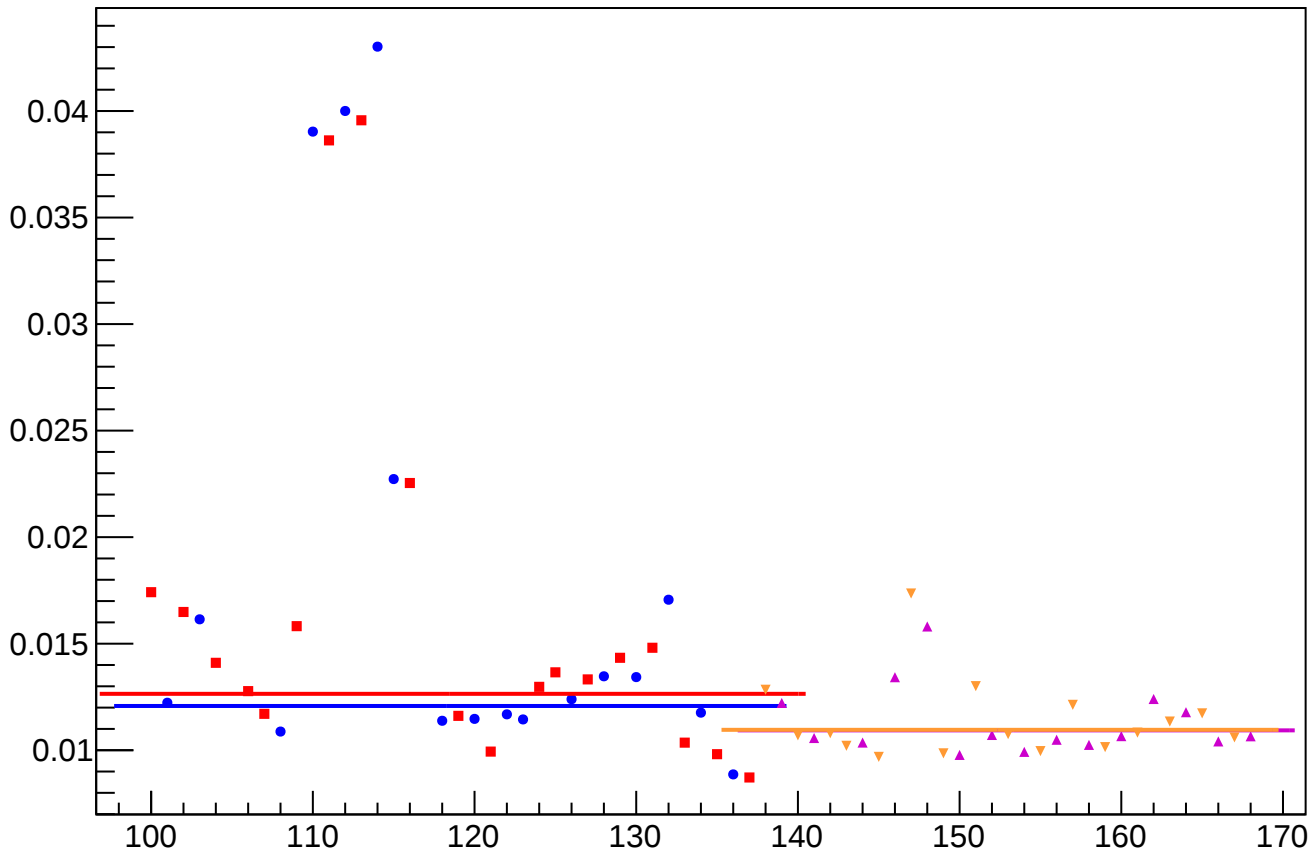
Right Out: 0.342 $\pm$ 0.000 χ^2 /NDF: 5442717599.3/18

All: 0.133 $\pm$ 0.000 χ^2 /NDF: 14476523307.3/6

Left In: 0.056 $\pm$ 0.000 χ^2 /NDF: 50965873.0/14

- sign 0.137 $\pm$ 0.000 χ^2 /NDF: 7652680614.5/33

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 371854.2/15

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

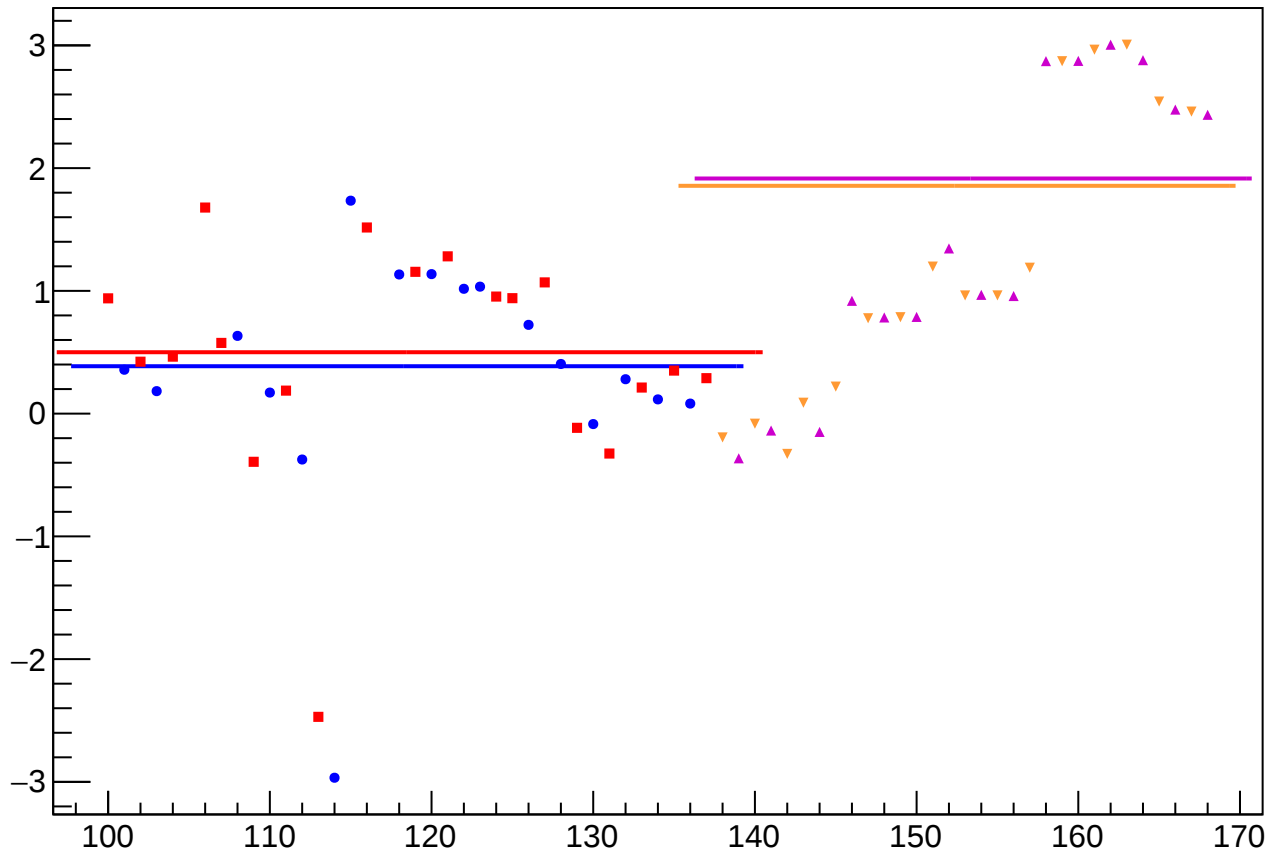
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 302774.9/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1720568.0/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3416849.9/66

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1693856.3/33

yield_bpm1X_mean vs Slug



Right In: 0.386 $\pm$ 0.000 χ^2 /NDF: 246380221.7/16

Left Out: 1.856 $\pm$ 0.000 χ^2 /NDF: 26346047214.0/15

Right Out: 0.500 $\pm$ 0.000 χ^2 /NDF: 983386658.7/18

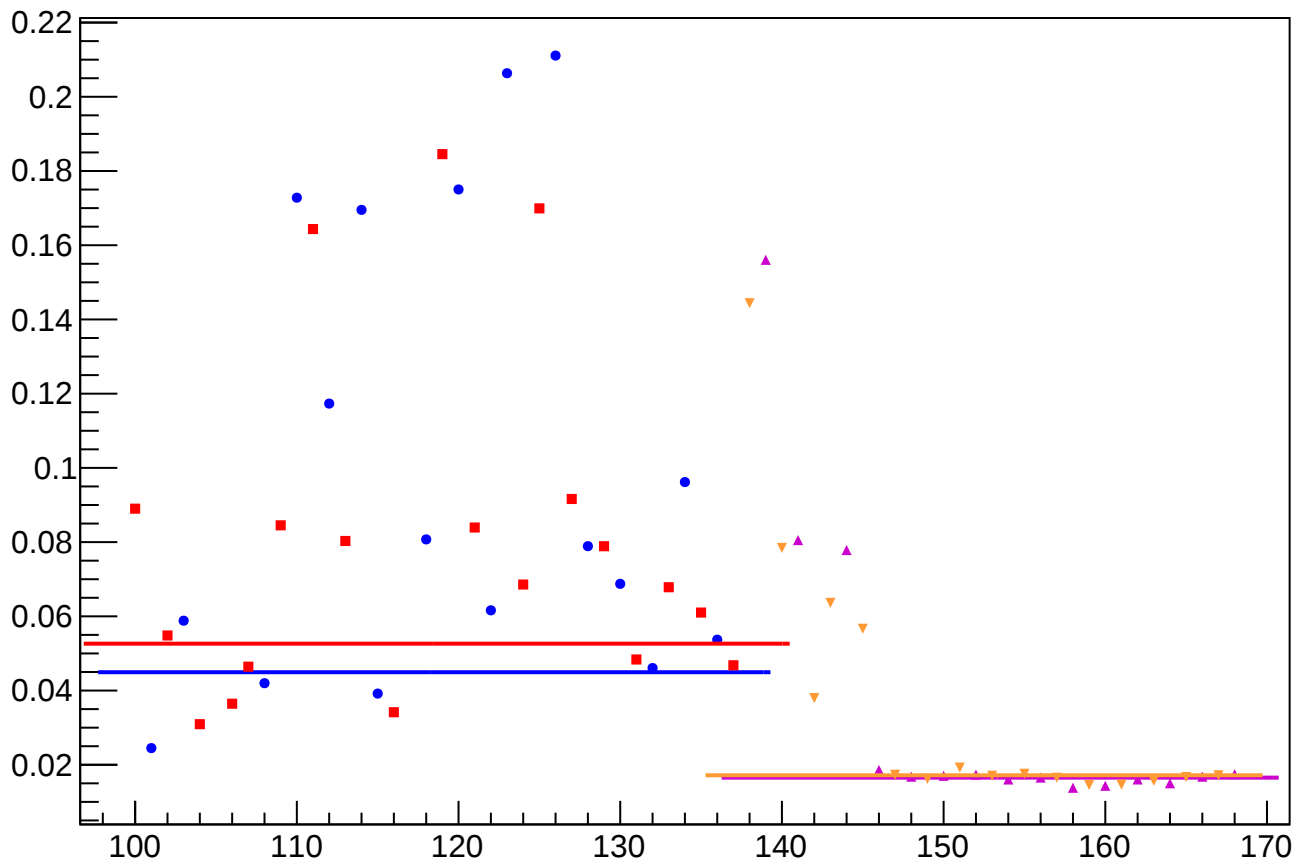
Left In: 1.916 $\pm$ 0.000 χ^2 /NDF: 27762141271.7/14

+ sign 1.771 $\pm$ 0.000 χ^2 /NDF: 30148363651.6/32

All: 1.812 $\pm$ 0.000 χ^2 /NDF: 61838885058.9/6

- sign 1.851 $\pm$ 0.000 χ^2 /NDF: 31590402594.1/33

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 : 2733424.0/15

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

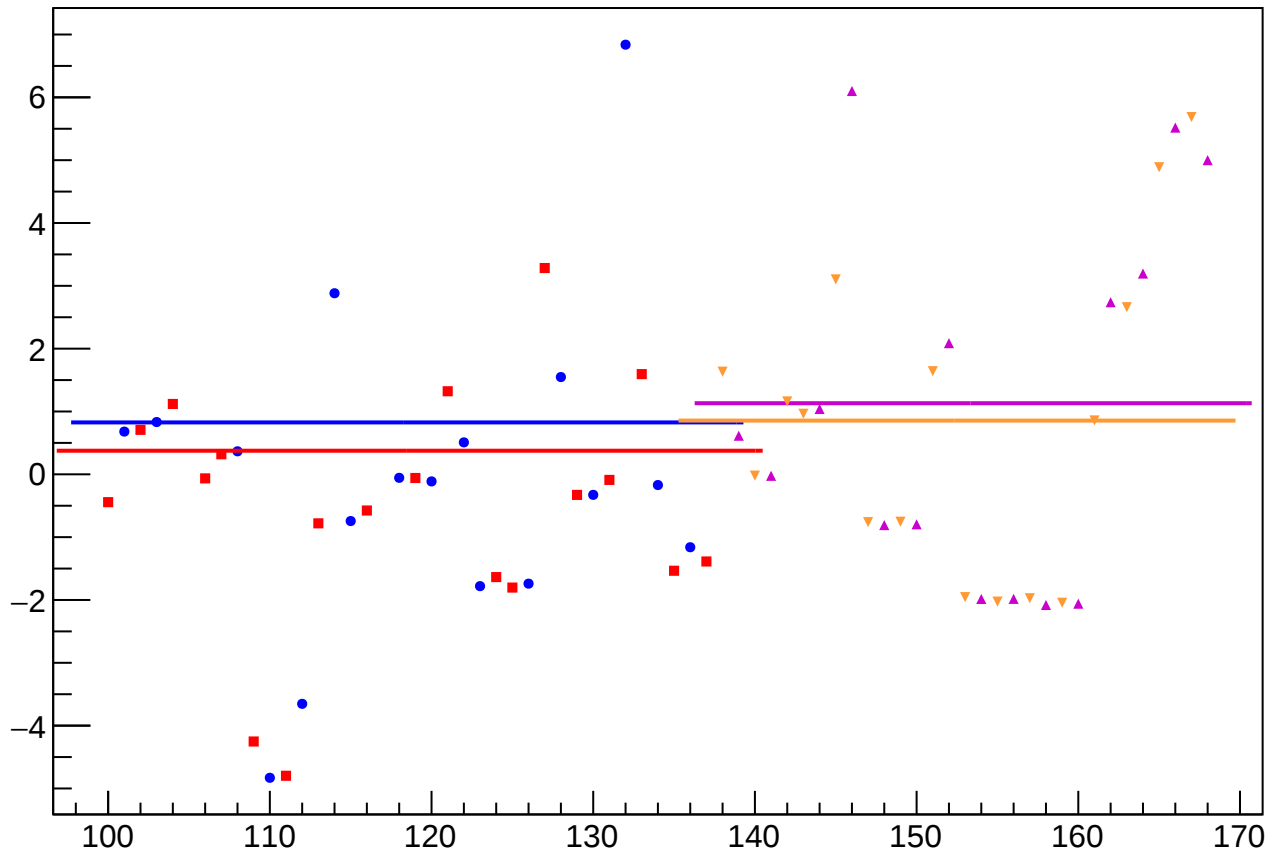
Left In: 0.017+/-0.000 χ^2/NDF : 2406771.5/14

+ sign 0.019+/-0.000 χ^2/NDF : 8059468.8/32

All: 0.018+/-0.000 χ^2/NDF : 16370259.5/66

- sign 0.018+/-0.000 χ^2/NDF : 8299642.8/33

yield_bpm1Y_mean vs Slug



Right In: 0.826 ± 0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.855 ± 0.000 χ^2/NDF : 361488340124.3/15

Right Out: 0.376 ± 0.000 χ^2/NDF : 4947158634.2/18

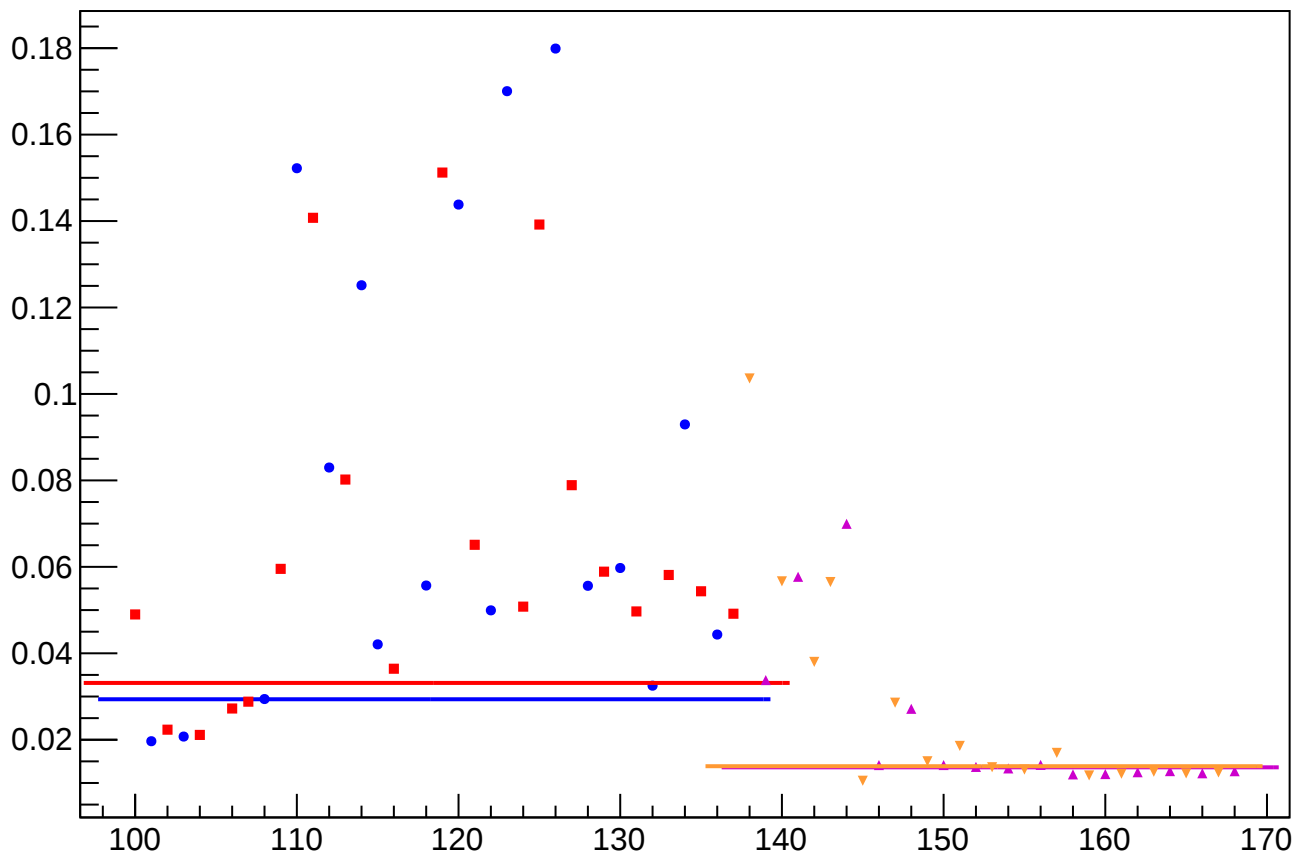
Left In: 1.132 ± 0.000 χ^2/NDF : 475105137873.2/14

+ sign 0.853 ± 0.000 χ^2/NDF : 372436903274.7/32

All: 0.972 ± 0.000 χ^2/NDF : 855710227130.7

- sign 1.082 ± 0.000 χ^2/NDF : 481918602108.1/33

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 : 2835596.4/15

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

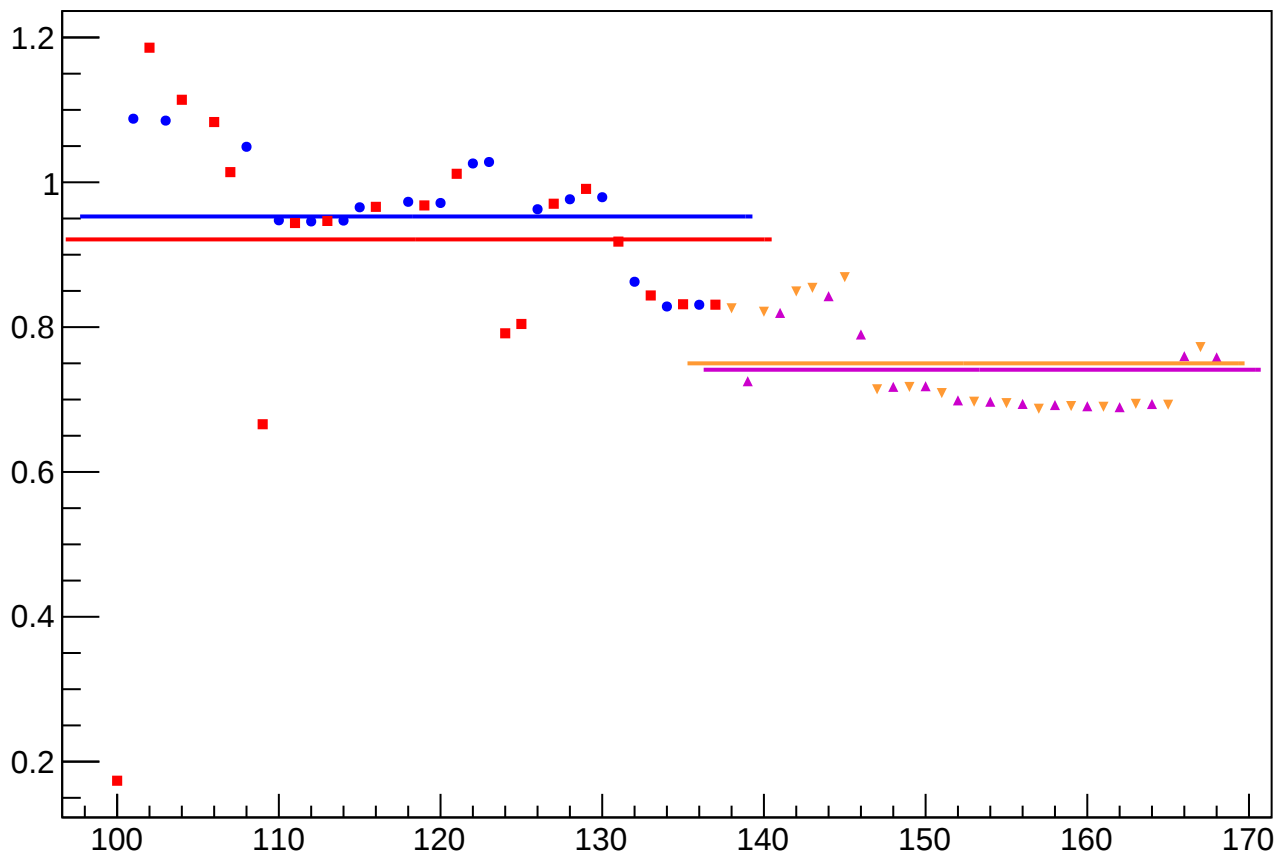
Left In: 0.014+/-0.000 χ^2/NDF : 1889974.8/14

+ sign 0.015+/-0.000 χ^2/NDF : 7561262.5/32

All: 0.015+/-0.000 χ^2/NDF : 15041244.4/66

- sign 0.015+/-0.000 χ^2/NDF : 7477917.8/33

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.750 $\pm$ 0.000 χ^2 /NDF:260498309.3/15

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

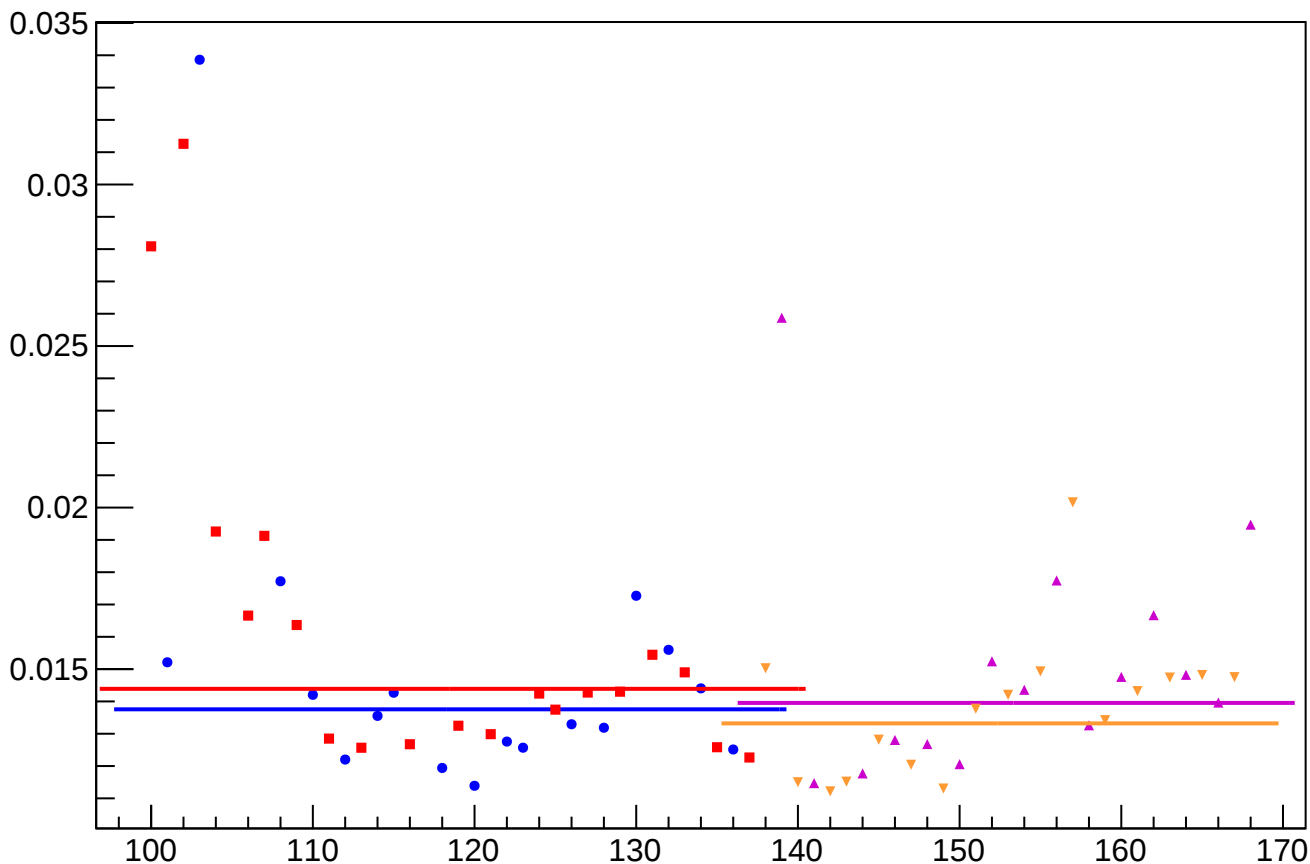
Left In: 0.741 $\pm$ 0.000 χ^2 /NDF:156547763.0/14

+ sign 0.820 $\pm$ 0.000 χ^2 /NDF: 1256841193.3/32

All: 0.813 $\pm$ 0.000 χ^2 /NDF: 2406786820.0/60

- sign 0.806 $\pm$ 0.000 χ^2 /NDF: 1141274566.9/33

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: 369777.0/15

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 503813.0/18

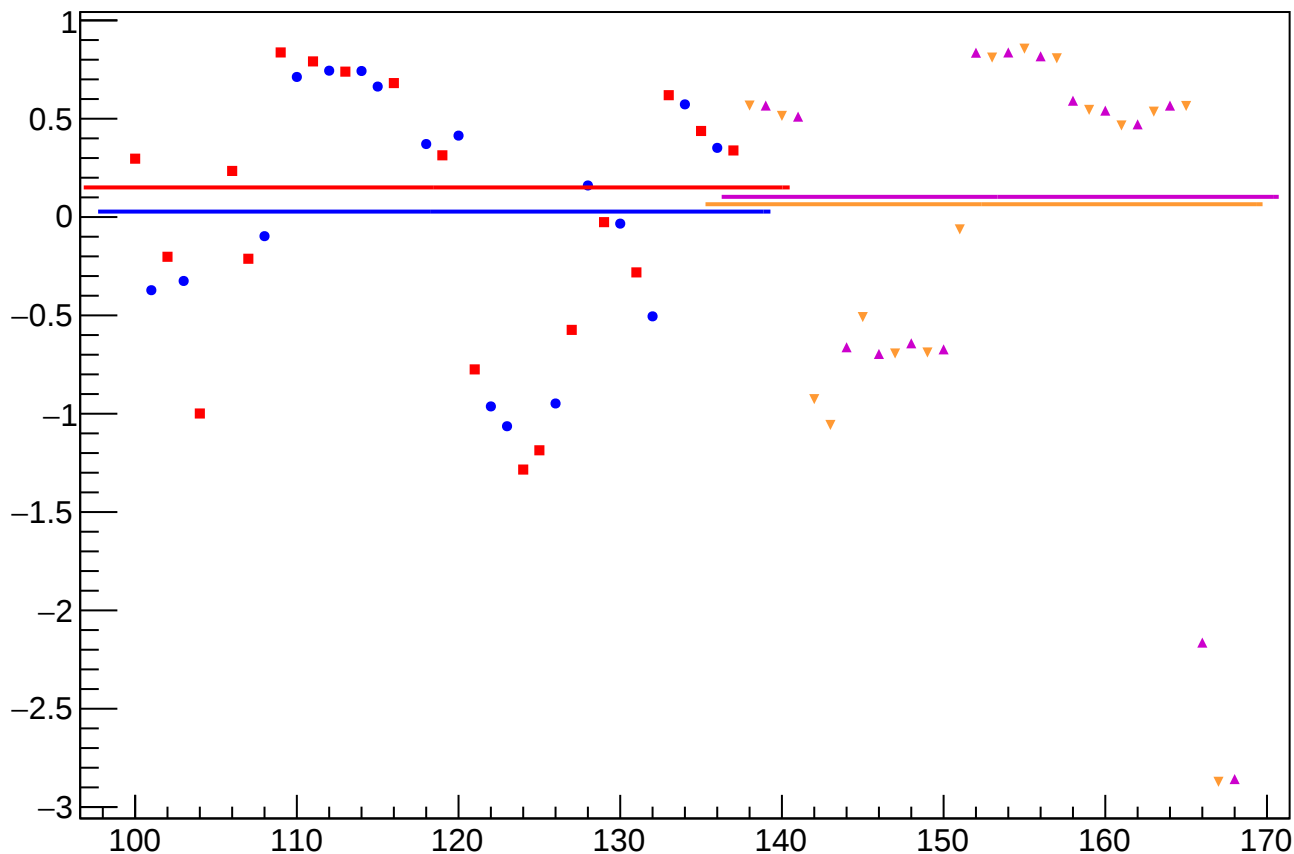
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 728567.4/14

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 915808.0/32

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2190149.9/66

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1239526.9/33

yield_bpm11Y_mean vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.065 $\pm$ 0.000 χ^2 /NDF: 61937261433.8/15

Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 12653743155.9/18

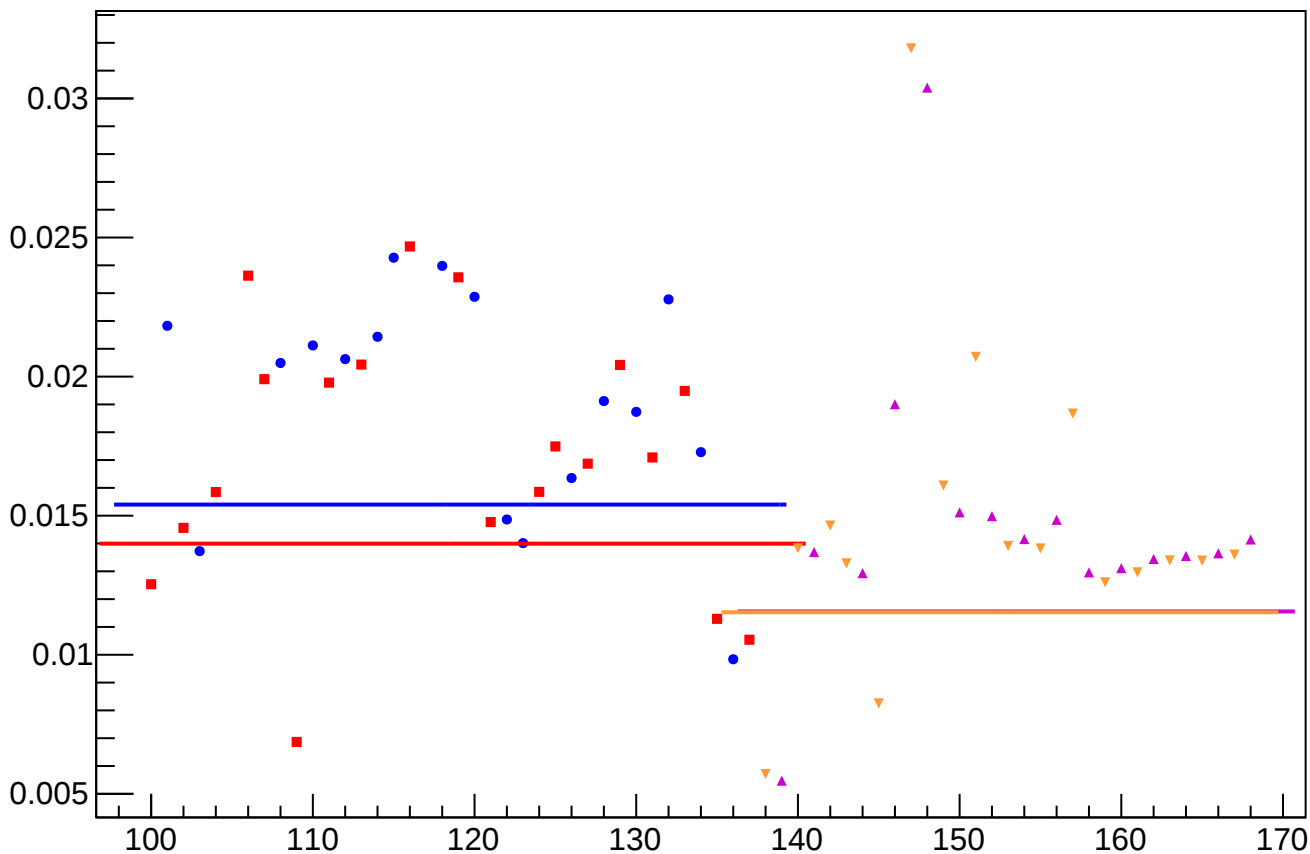
Left In: 0.103 $\pm$ 0.000 χ^2 /NDF: 72029324256.1/14

+ sign 0.056 $\pm$ 0.000 χ^2 /NDF: 68239196147.0/32

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 153148542329.3

- sign 0.116 $\pm$ 0.000 χ^2 /NDF: 84729990855.6/33

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:2943562.5/15

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1561550.9/18

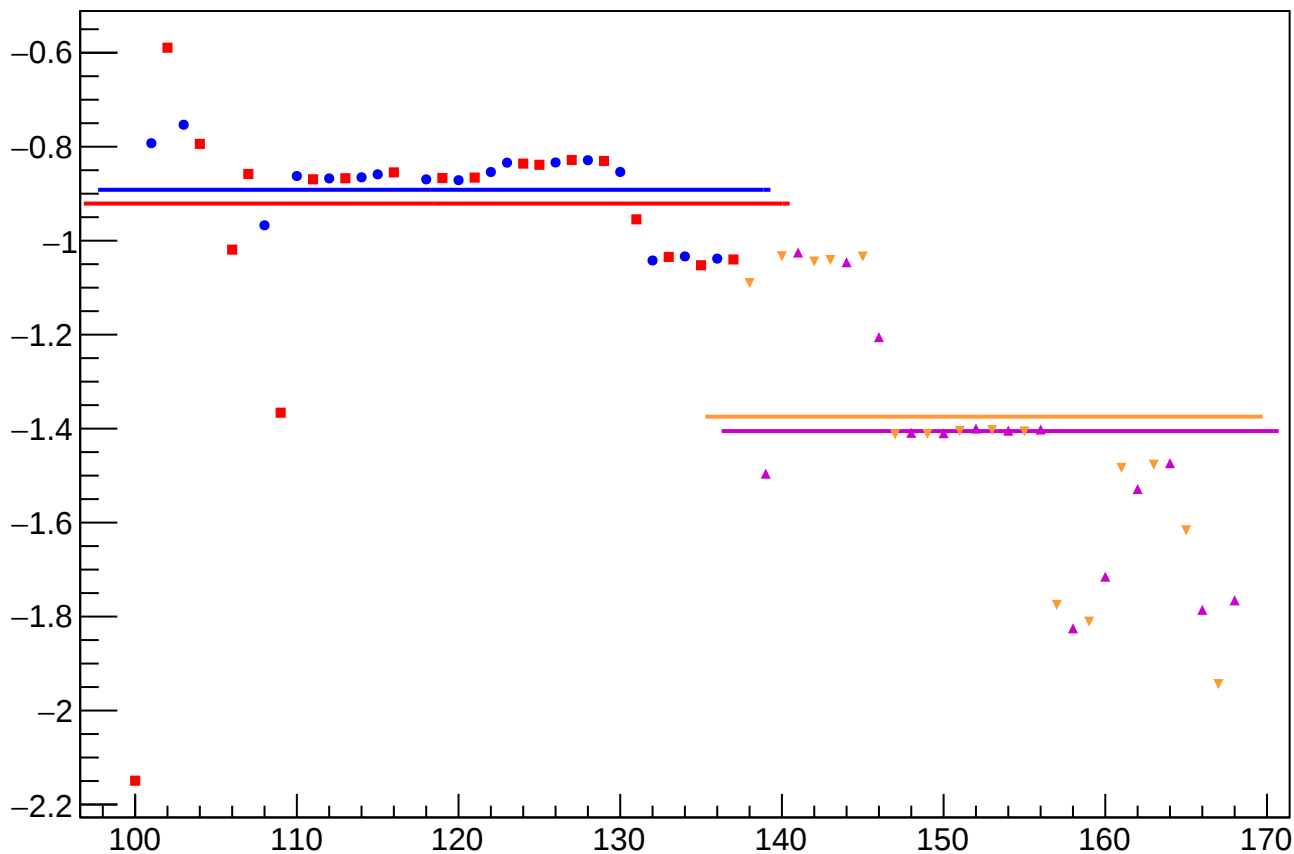
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3007919.3/14

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4620812.9/32

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 9439020.5/66

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4813120.0/33

yield_bpm12X_mean vs Slug



Right In: -0.892 ± 0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.375 ± 0.000 χ^2/NDF : 642542621.2/15

Right Out: -0.921 ± 0.000 χ^2/NDF : 131159330.1/18

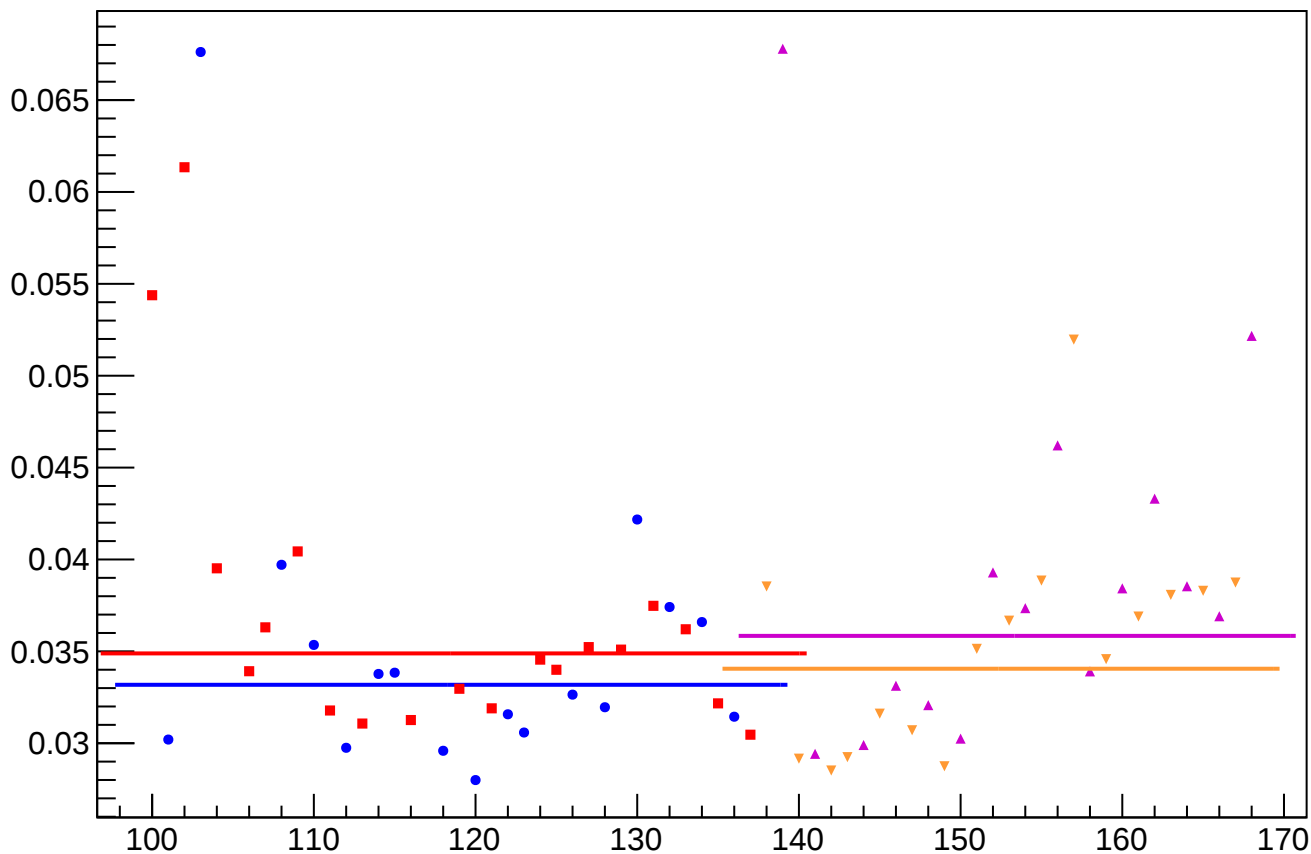
Left In: -1.405 ± 0.000 χ^2/NDF : 509184416.7/14

+ sign -1.193 ± 0.000 χ^2/NDF : 1451055944.5/32

All: -1.204 ± 0.000 χ^2/NDF : 2817866030.7/6

- sign -1.216 ± 0.000 χ^2/NDF : 1363153713.0/33

yield_bpm12X_rms vs Slug



Right In: 0.033 ± 0.000 χ^2/NDF : 400106.0/16

Left Out: 0.034 ± 0.000 χ^2/NDF : 410377.5/15

Right Out: 0.035 ± 0.000 χ^2/NDF : 275013.9/18

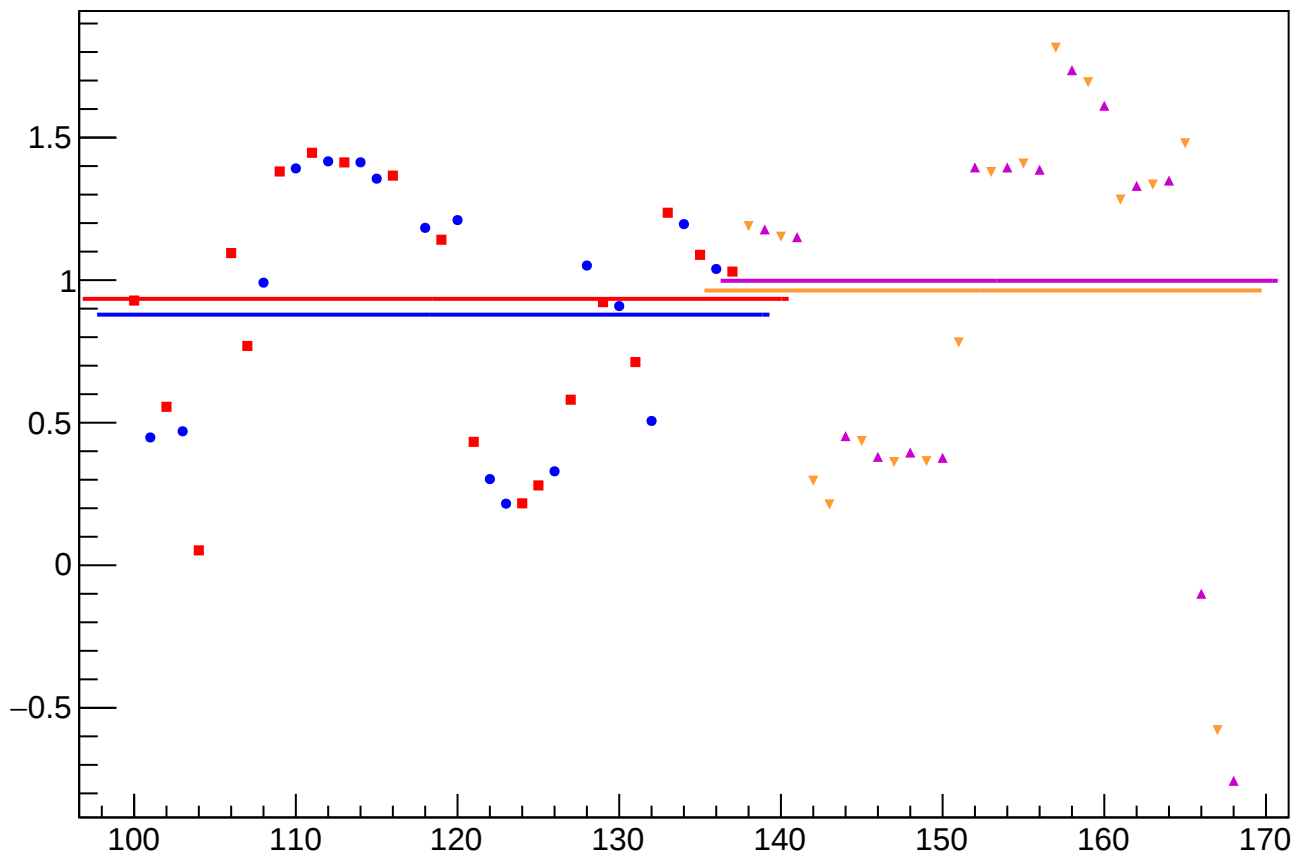
Left In: 0.036 ± 0.000 χ^2/NDF : 812491.7/14

+ sign 0.034 ± 0.000 χ^2/NDF : 815527.8/32

All: 0.035 ± 0.000 χ^2/NDF : 1949685.8/66

- sign 0.035 ± 0.000 χ^2/NDF : 1093119.3/33

yield_bpm12Y_mean vs Slug



Right In: 0.879 $\pm$ 0.000 χ^2 /NDF: 6371602566.2/16

Left Out: 0.964 $\pm$ 0.000 χ^2 /NDF: 53396227703.4/15

Right Out: 0.934 $\pm$ 0.000 χ^2 /NDF: 9827120184.9/18

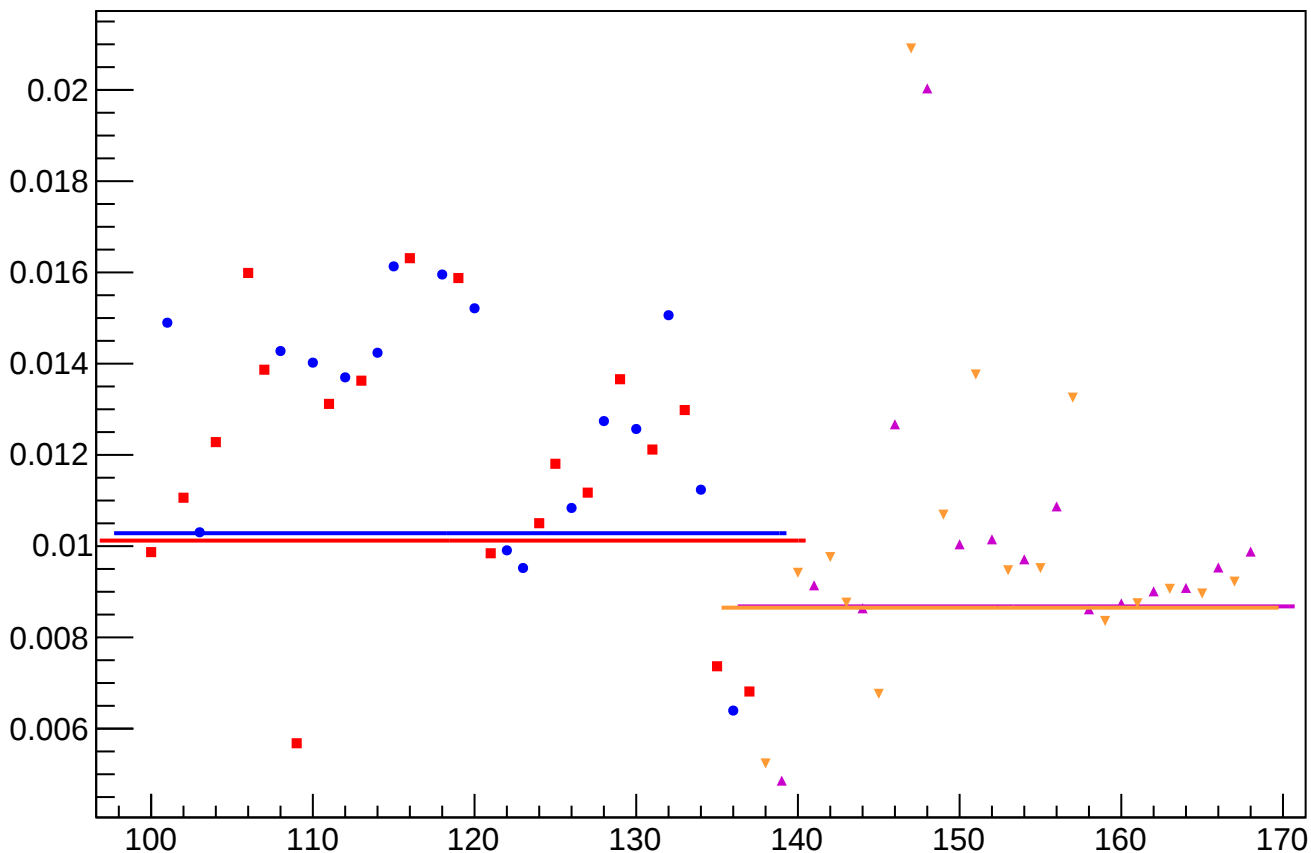
Left In: 0.998 $\pm$ 0.000 χ^2 /NDF: 57136655173.2/14

+ sign 0.941 $\pm$ 0.000 χ^2 /NDF: 60042120067.1/32

All: 0.960 $\pm$ 0.000 χ^2 /NDF: 127312803041.7

- sign 0.979 $\pm$ 0.000 χ^2 /NDF: 67125819237.3/33

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1665842.8/15

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1176642.1/18

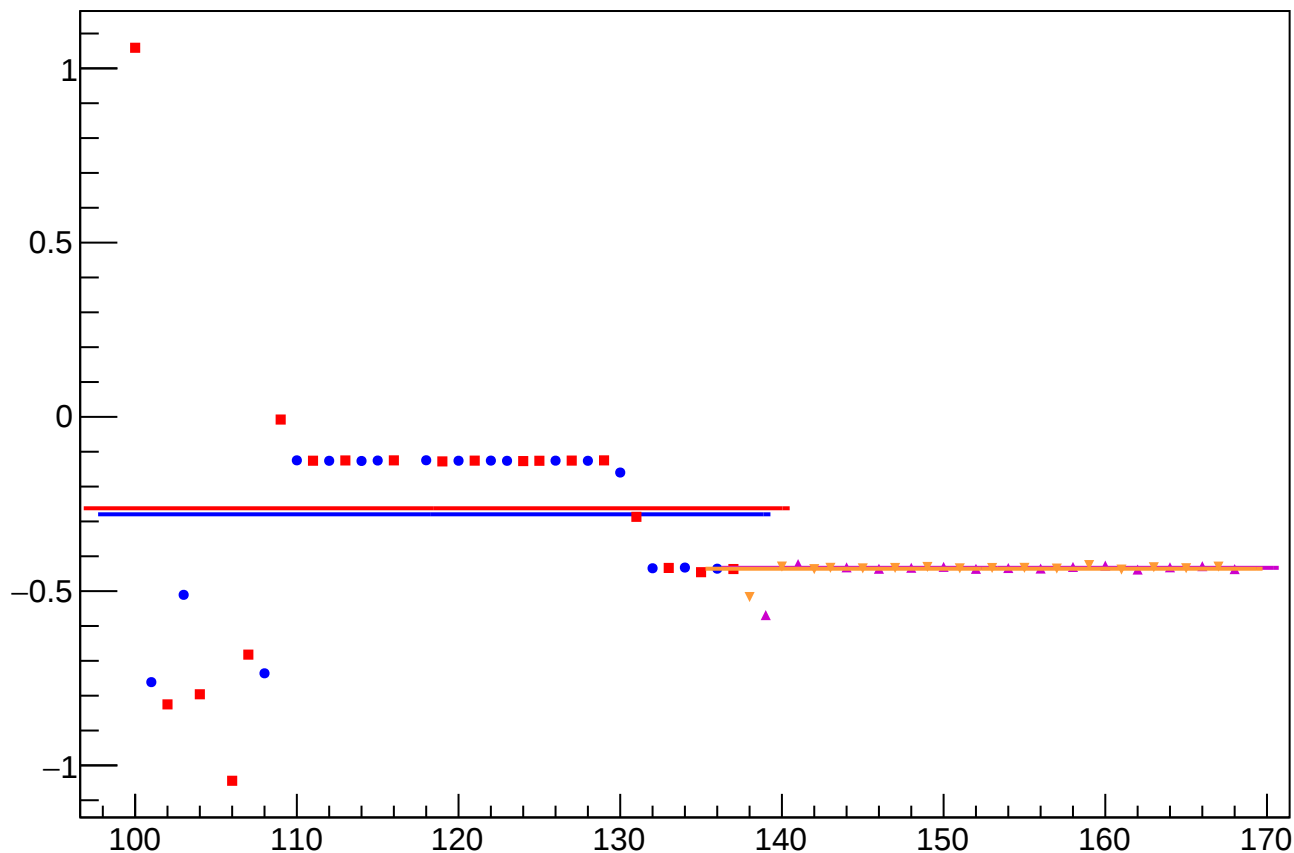
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1652887.3/14

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3077177.5/32

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6074405.0/66

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2997220.7/33

yield_bpm16X_mean vs Slug



Right In: -0.280+/-0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.436+/-0.000 χ^2/NDF : 25880494.6/15

Right Out: -0.262+/-0.000 χ^2/NDF : 1006263824.6/18

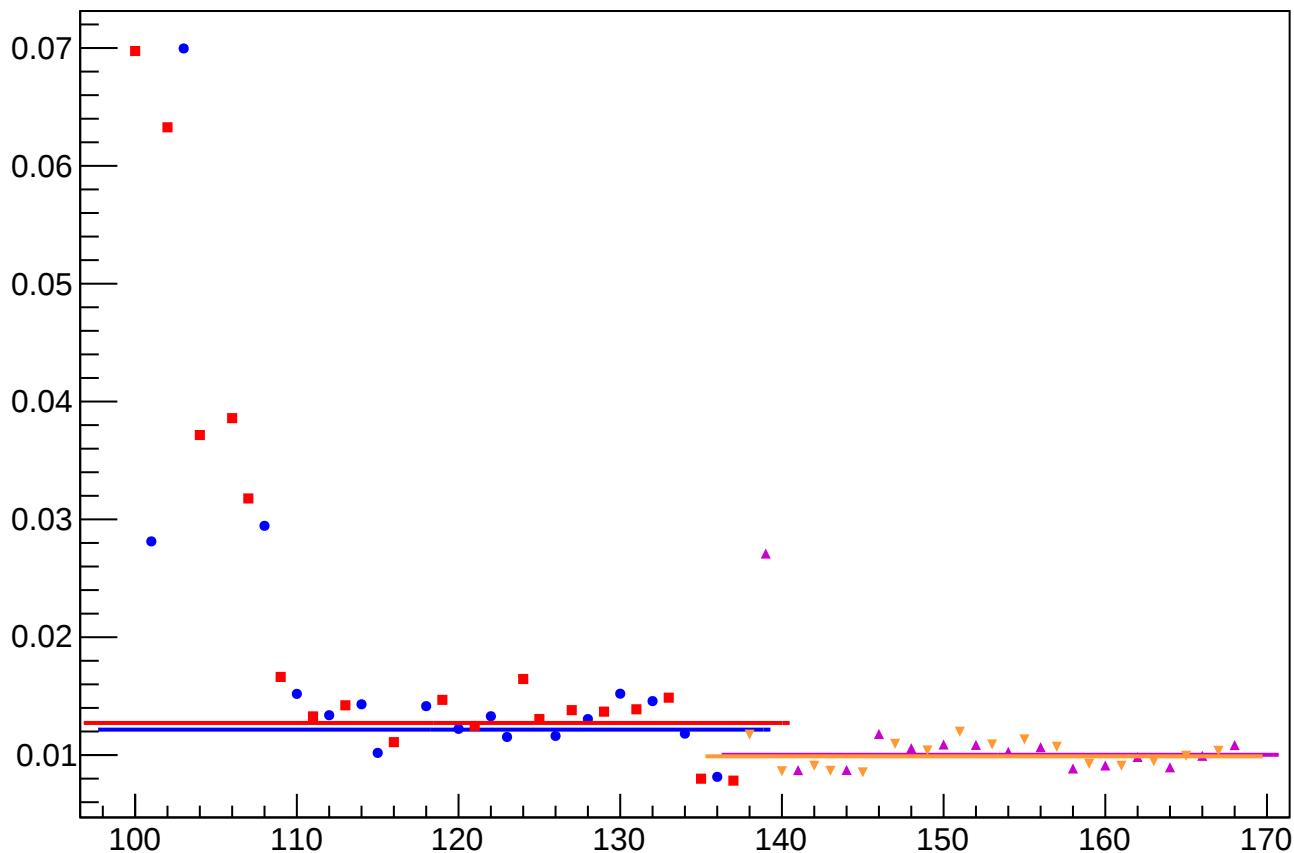
Left In: -0.433+/-0.000 χ^2/NDF : 19726497.9/14

+ sign -0.399+/-0.000 χ^2/NDF : 1540541737.4/32

All: -0.396+/-0.000 χ^2/NDF : 3234558914.2/6

- sign -0.393+/-0.000 χ^2/NDF : 1691796038.3/33

yield_bpm16X_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010 ± 0.000 χ^2/NDF : 228405.0/15

Right Out: 0.013 ± 0.000 χ^2/NDF : 1967397.9/18

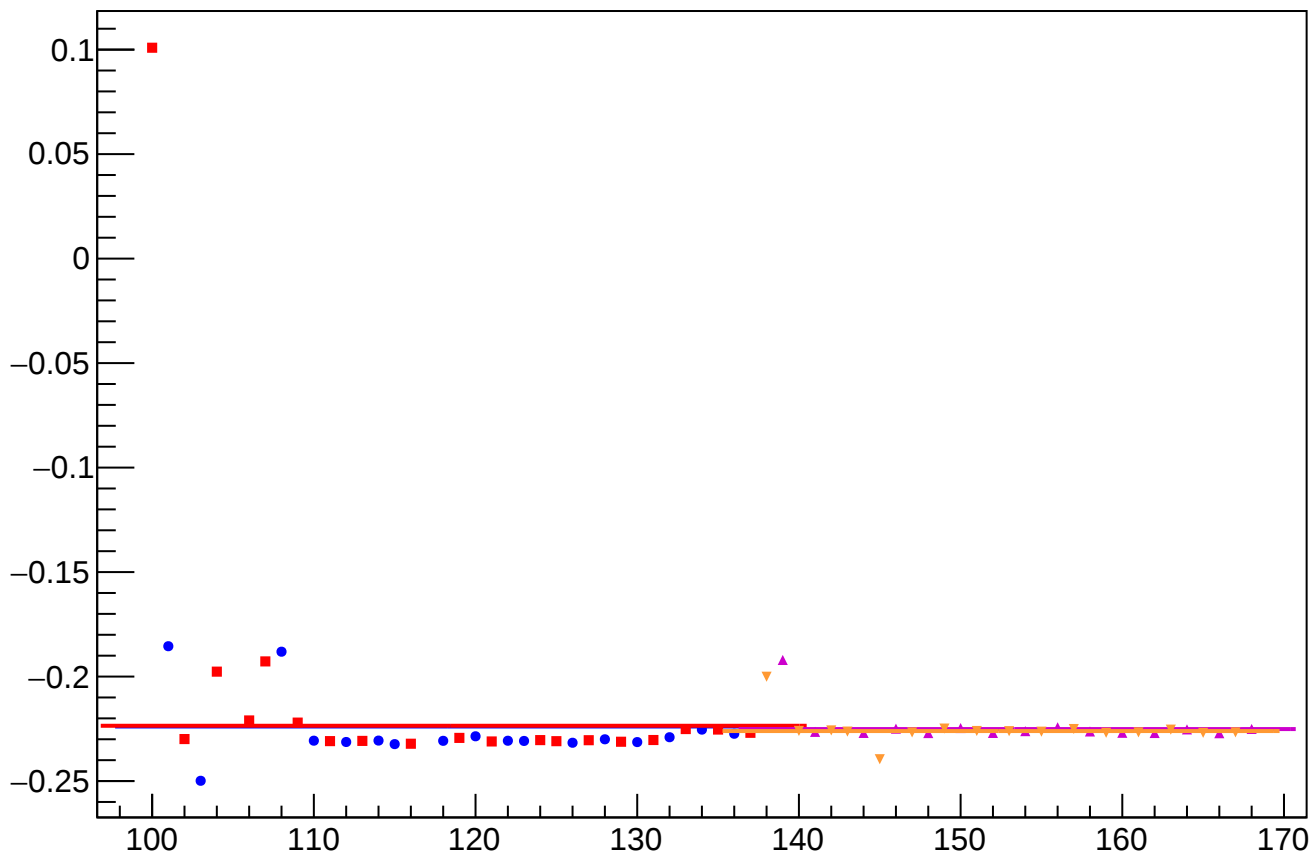
Left In: 0.010 ± 0.000 χ^2/NDF : 740375.9/14

+ sign 0.010 ± 0.000 χ^2/NDF : 2197590.2/32

All: 0.011 ± 0.000 χ^2/NDF : 5245039.2/66

- sign 0.011 ± 0.000 χ^2/NDF : 3040518.6/33

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 : 20613932.5/15

Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

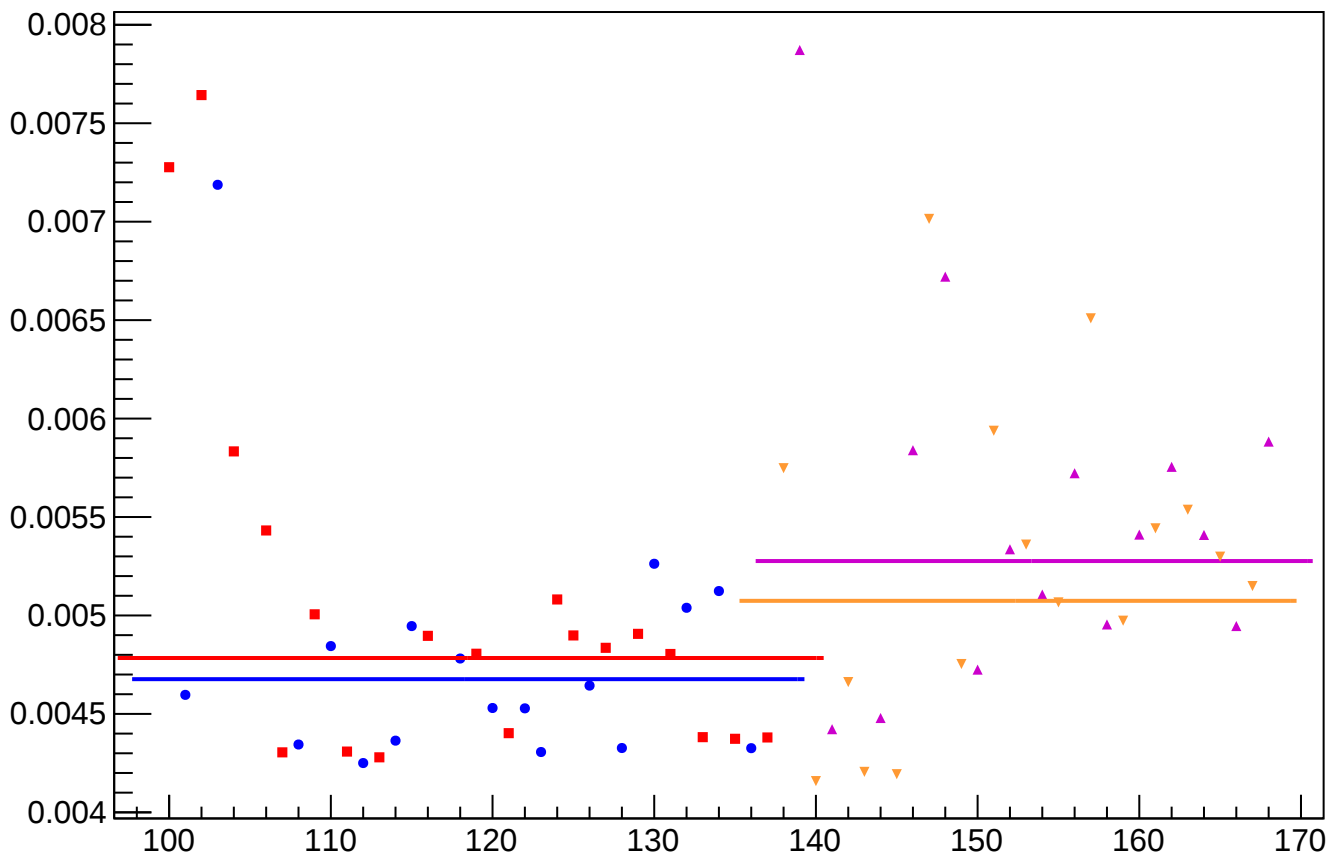
Left In: -0.225+/-0.000 χ^2/NDF : 12833827.8/14

+ sign -0.225+/-0.000 χ^2/NDF : 96012846.2/32

All: -0.225+/-0.000 χ^2/NDF : 277569927.9/66

- sign -0.224+/-0.000 χ^2/NDF : 181363862.4/33

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 : 449344.2/15

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

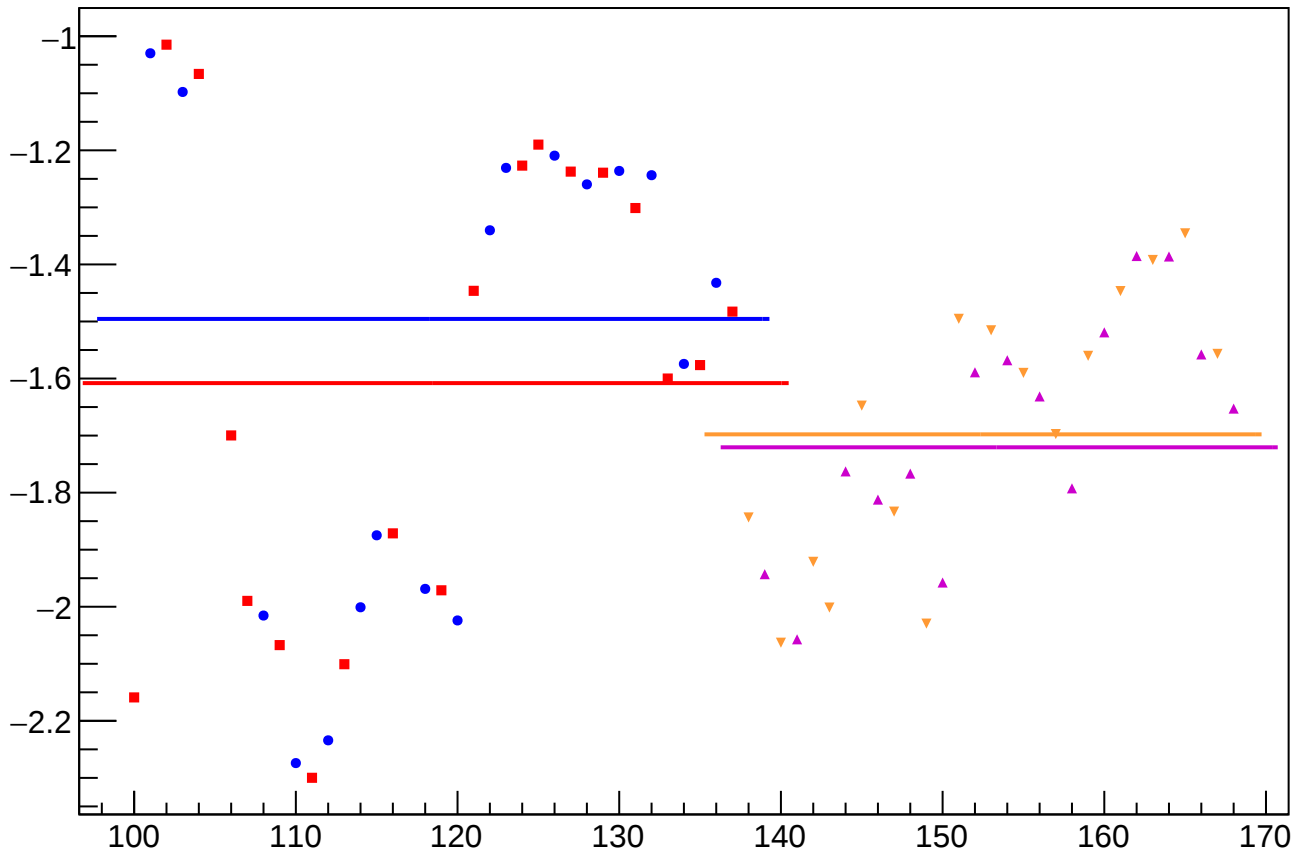
Left In: 0.005+/-0.000 χ^2/NDF : 414593.1/14

+ sign 0.005+/-0.000 χ^2/NDF : 682888.5/32

All: 0.005+/-0.000 χ^2/NDF : 1440909.9/66

- sign 0.005+/-0.000 χ^2/NDF : 741973.1/33

yield_bpm0l01X_mean vs Slug



Right In: -1.496 ± 0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.698 ± 0.000 χ^2/NDF : 15535947249.4/15

Right Out: -1.608 ± 0.000 χ^2/NDF : 27852841950.3/18

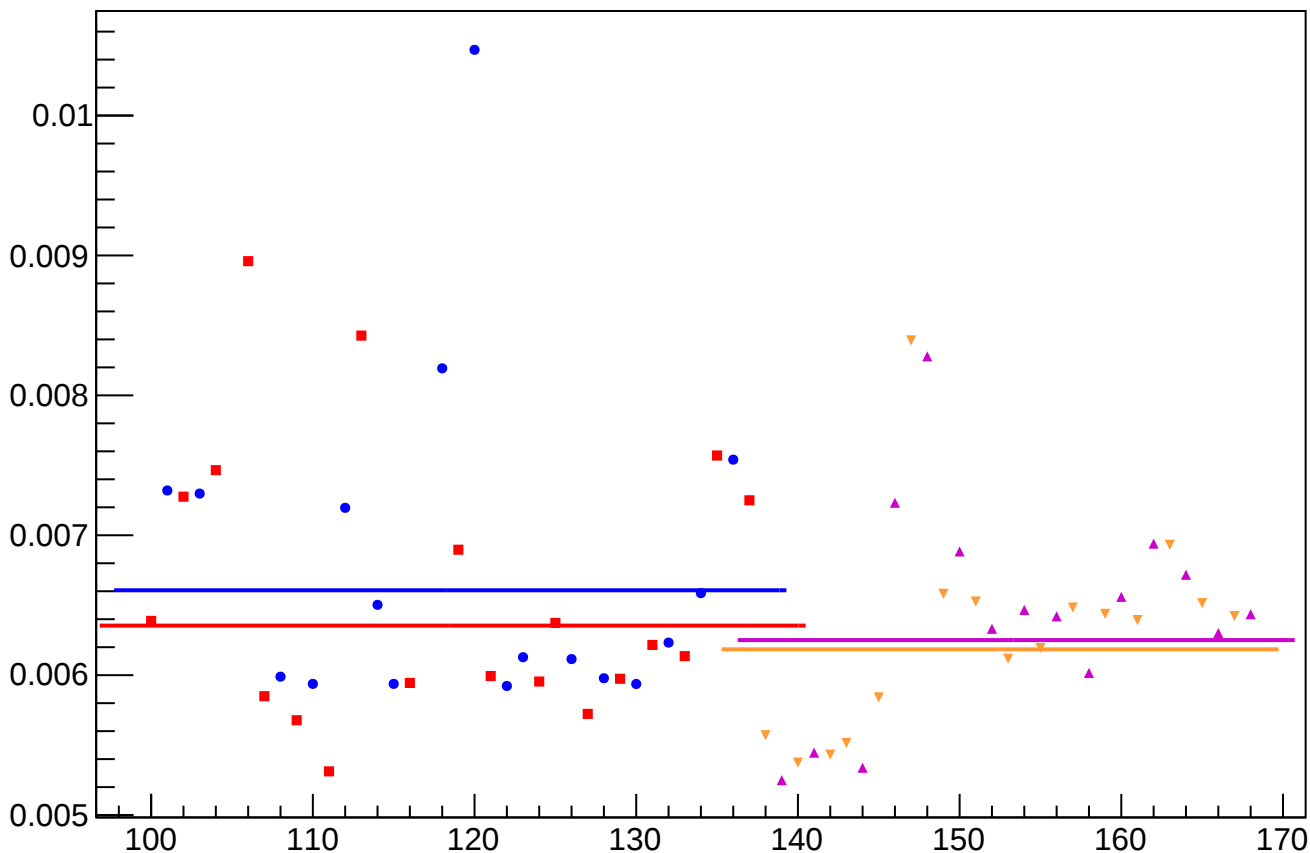
Left In: -1.721 ± 0.000 χ^2/NDF : 10890487490.9/14

+ sign -1.633 ± 0.000 χ^2/NDF : 41897149891.2/32

All: -1.656 ± 0.000 χ^2/NDF : 82415486057.8

- sign -1.679 ± 0.000 χ^2/NDF : 40048312916.7/33

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 :228413.2/15

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

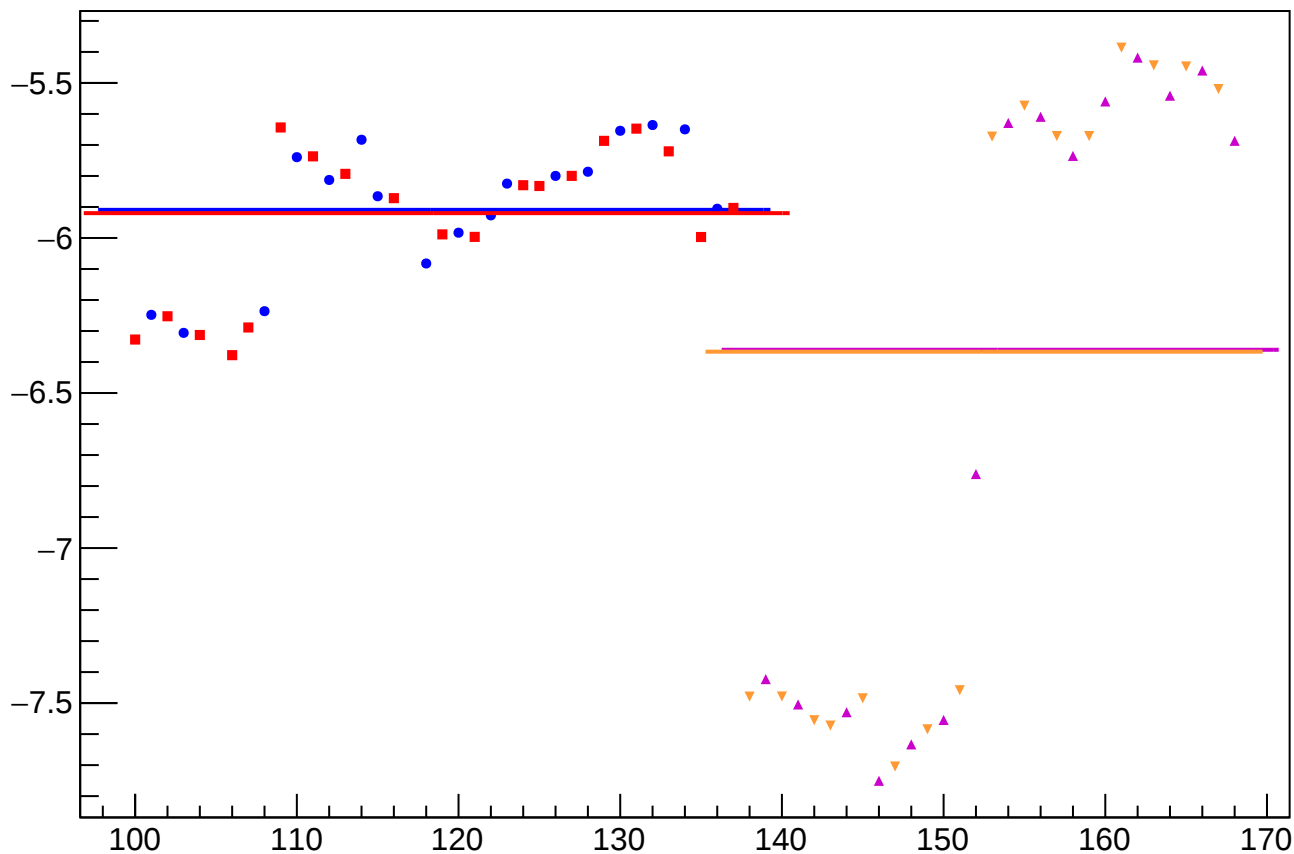
Left In: 0.006+/-0.000 χ^2/NDF :290968.6/14

+ sign 0.006+/-0.000 χ^2/NDF : 463331.0/32

All: 0.006+/-0.000 χ^2/NDF : 984225.8/66

- sign 0.006+/-0.000 χ^2/NDF : 520461.2/33

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.367+/-0.000 χ^2/NDF : 159141900598.4/15

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

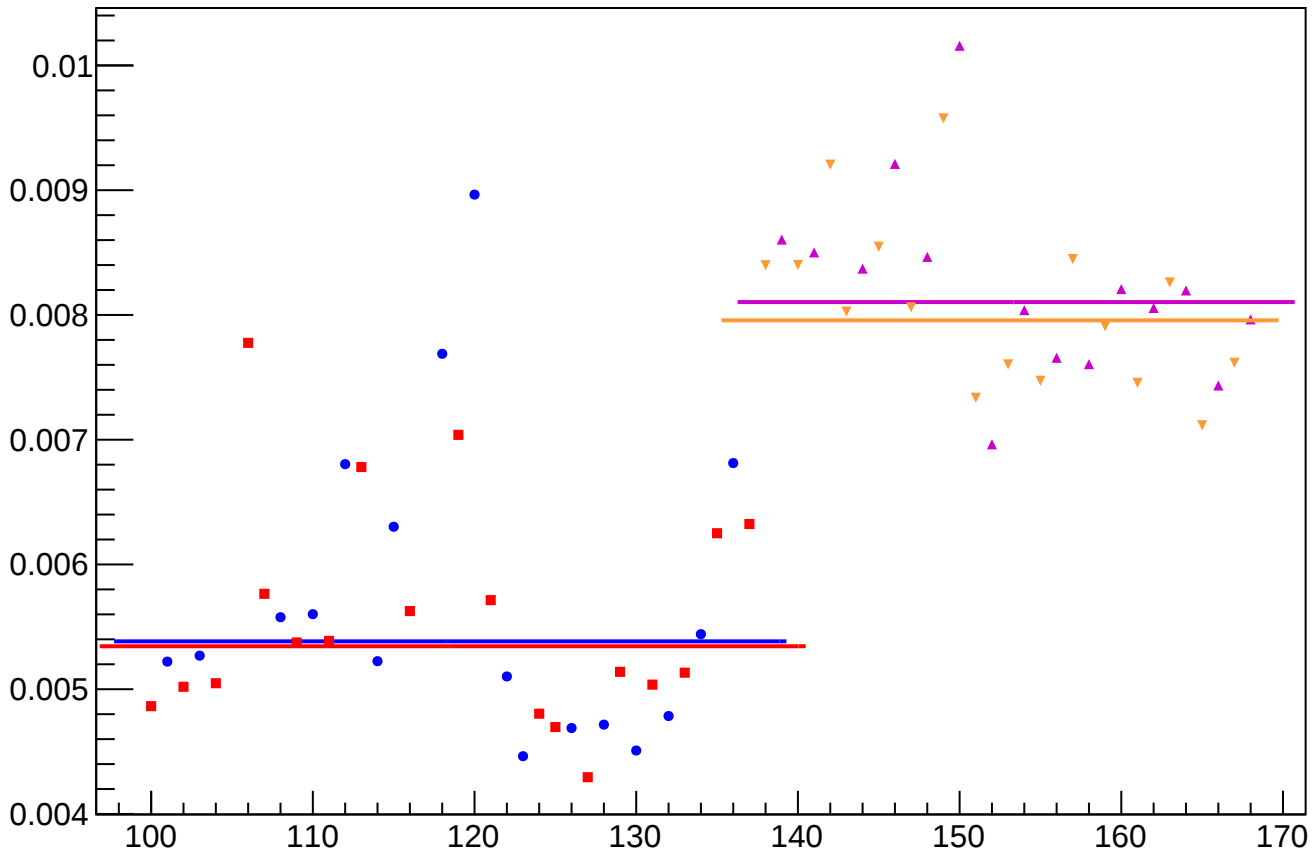
Left In: -6.360+/-0.000 χ^2/NDF : 134369562216.5/14

+ sign -6.114+/-0.000 χ^2/NDF : 189229856089.9/32

All: -6.109+/-0.000 χ^2/NDF : 354422590612.4

- sign -6.103+/-0.000 χ^2/NDF : 165170326336.0/33

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 :115821.8/15

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

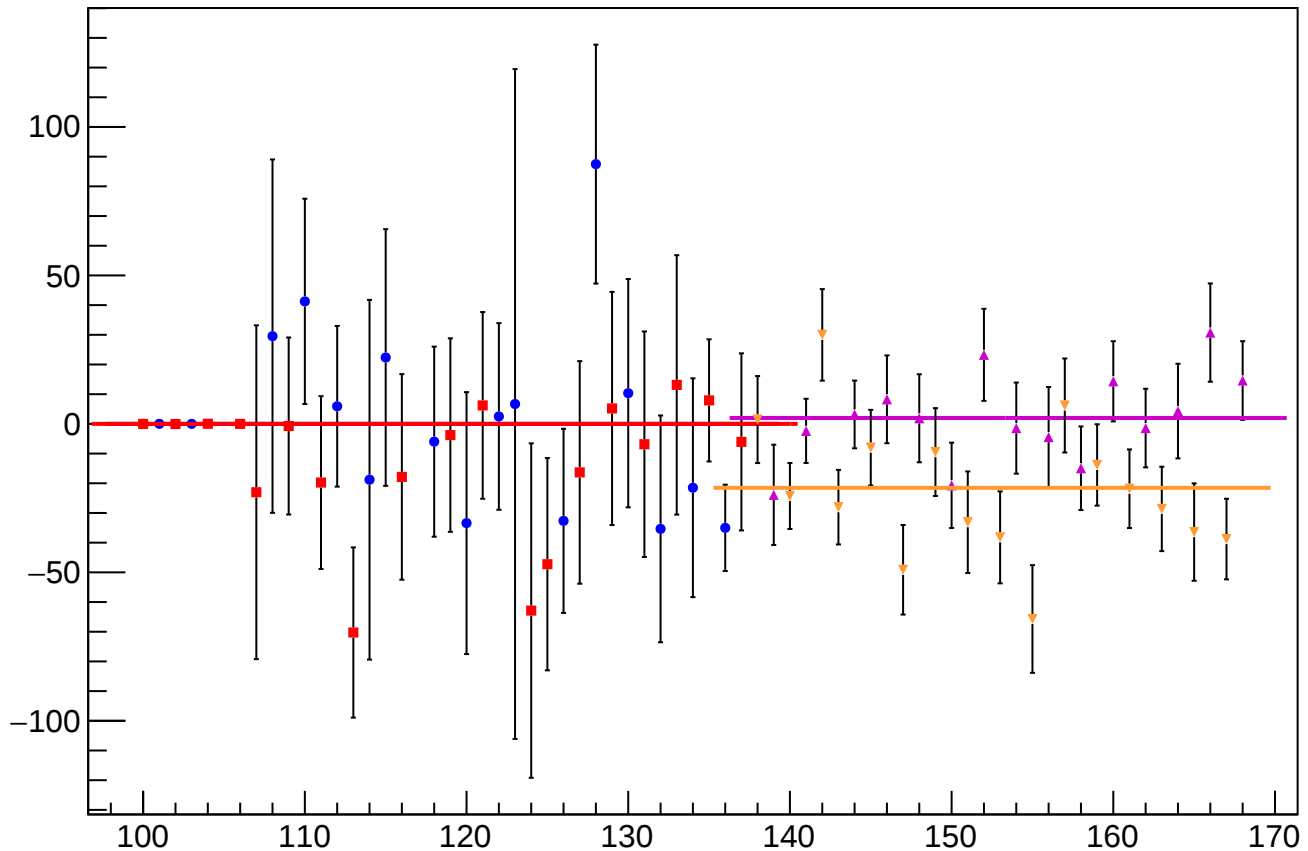
Left In: 0.008+/-0.000 χ^2/NDF :149972.7/14

+ sign 0.007+/-0.000 χ^2/NDF : 1663746.5/32

All: 0.007+/-0.000 χ^2/NDF : 3472088.7/66

- sign 0.006+/-0.000 χ^2/NDF : 1807612.6/33

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -21.538 ± 3.577 χ^2/NDF : 32.7/15

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.3/18

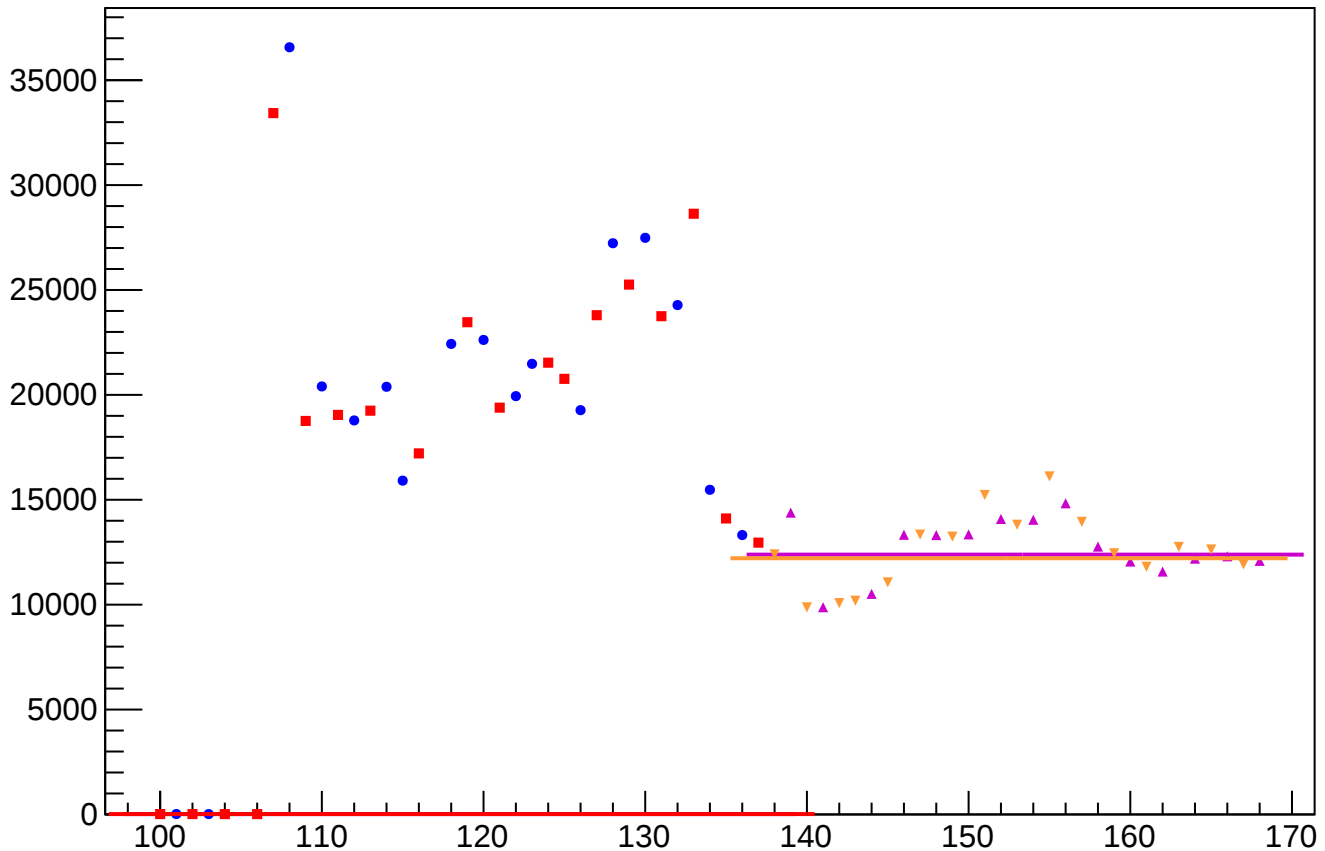
Left In: 1.990 ± 3.647 χ^2/NDF : 13.6/14

+ sign 0.013 ± 0.017 χ^2/NDF : 84.8/32

All: 0.008 ± 0.012 χ^2/NDF : 114.1/66

- sign 0.003 ± 0.016 χ^2/NDF : 29.2/33

diff_cav4bX_rms vs Slug



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 10841561.4/16

Left Out: 12212.523 $\pm$ 2.529 χ^2 /NDF: 424137.6/15

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11103320.8/18

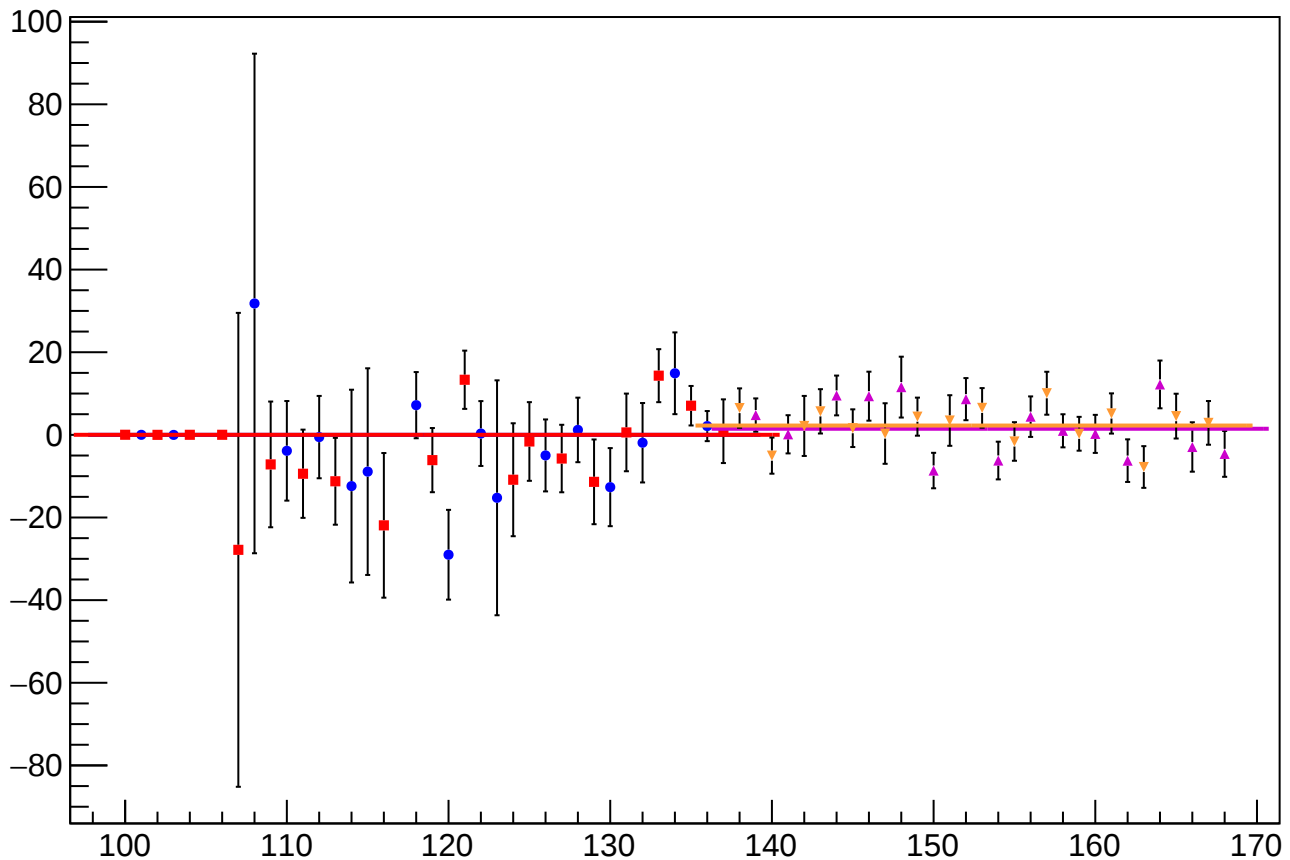
Left In: 12384.928 $\pm$ 2.579 χ^2 /NDF: 315726.6/14

+ sign 18.927 $\pm$ 0.012 χ^2 /NDF: 34511798.0/32

All: 18.725 $\pm$ 0.008 χ^2 /NDF: 68929759.2/66

- sign 18.552 $\pm$ 0.011 χ^2 /NDF: 34417456.1/33

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 2.256 $\pm$ 1.262 χ^2 /NDF:12.8/15

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

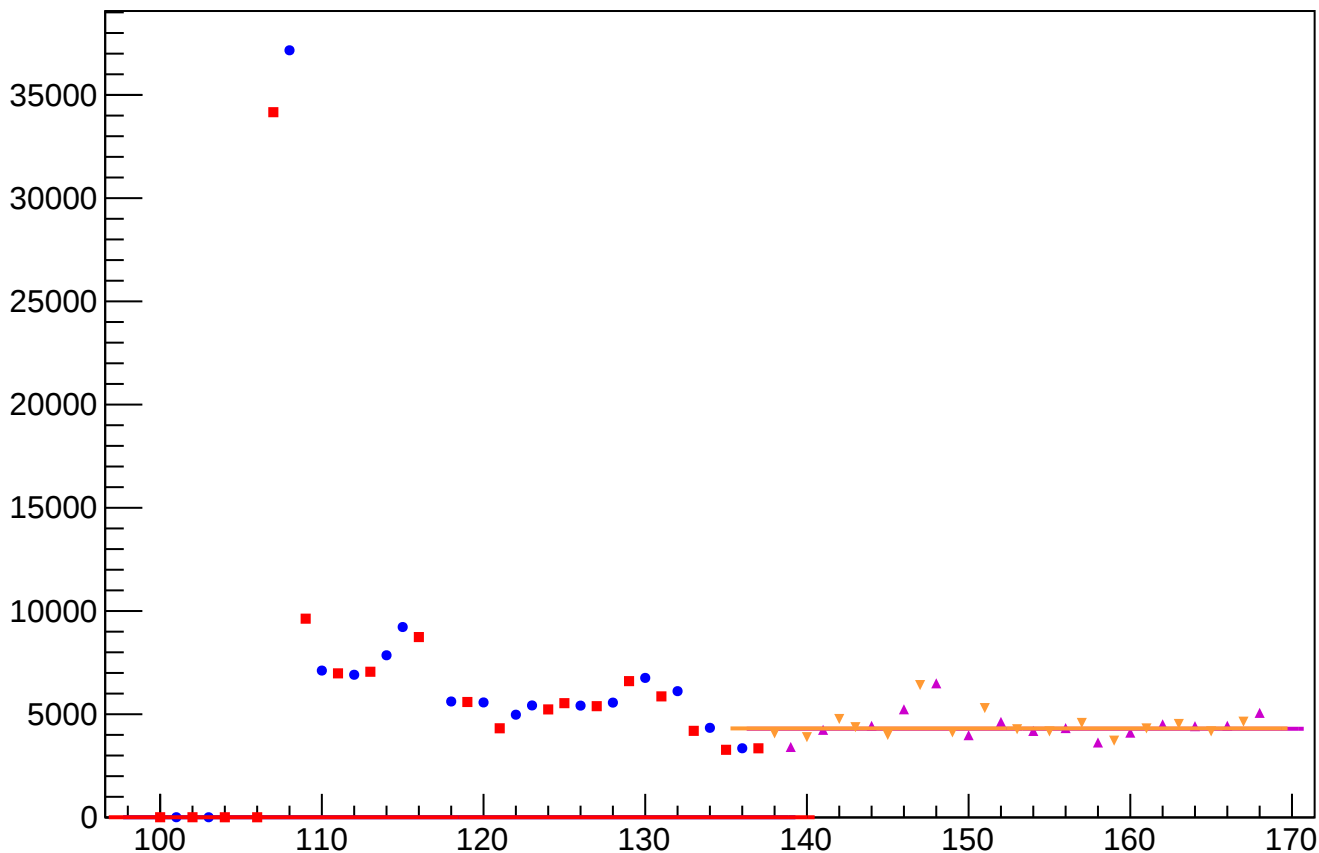
Left In: 1.478 $\pm$ 1.272 χ^2 /NDF:25.5/14

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 30.9/32

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 77.2/66

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 45.2/33

diff_cav4bY_rms vs Slug



Right In: 9.938 ± 0.007 χ^2/NDF : 10973577.1/16

Left Out: 4313.098 ± 0.892 χ^2/NDF : 323324.5/15

Right Out: 9.854 ± 0.006 χ^2/NDF : 11152667.7/18

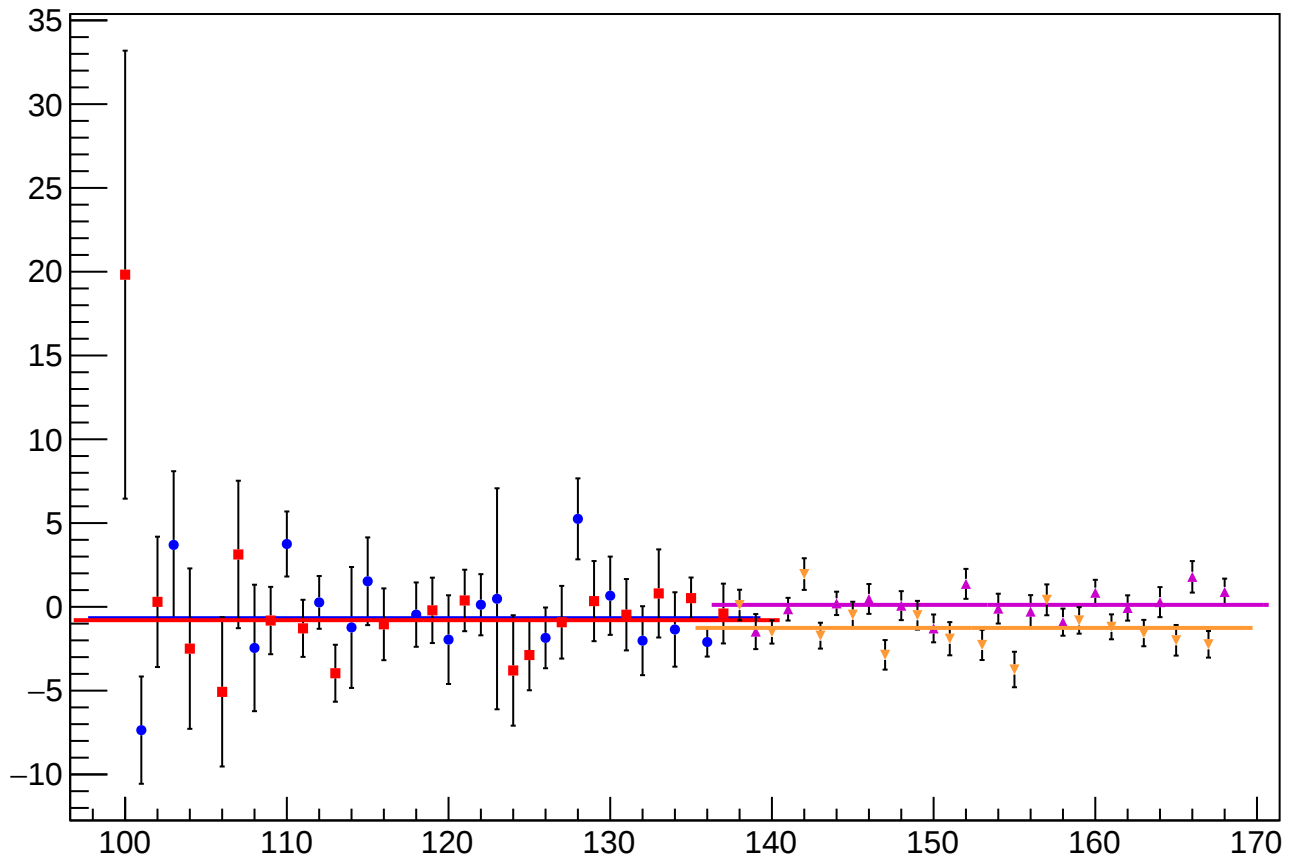
Left In: 4296.223 ± 0.899 χ^2/NDF : 449880.1/14

+ sign 10.167 ± 0.007 χ^2/NDF : 34549930.4/32

All: 10.106 ± 0.004 χ^2/NDF : 68874776.0/66

- sign 10.053 ± 0.006 χ^2/NDF : 34324682.1/33

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.256 ± 0.211 χ^2/NDF : 32.6/15

Right Out: -0.795 ± 0.501 χ^2/NDF : 12.0/18

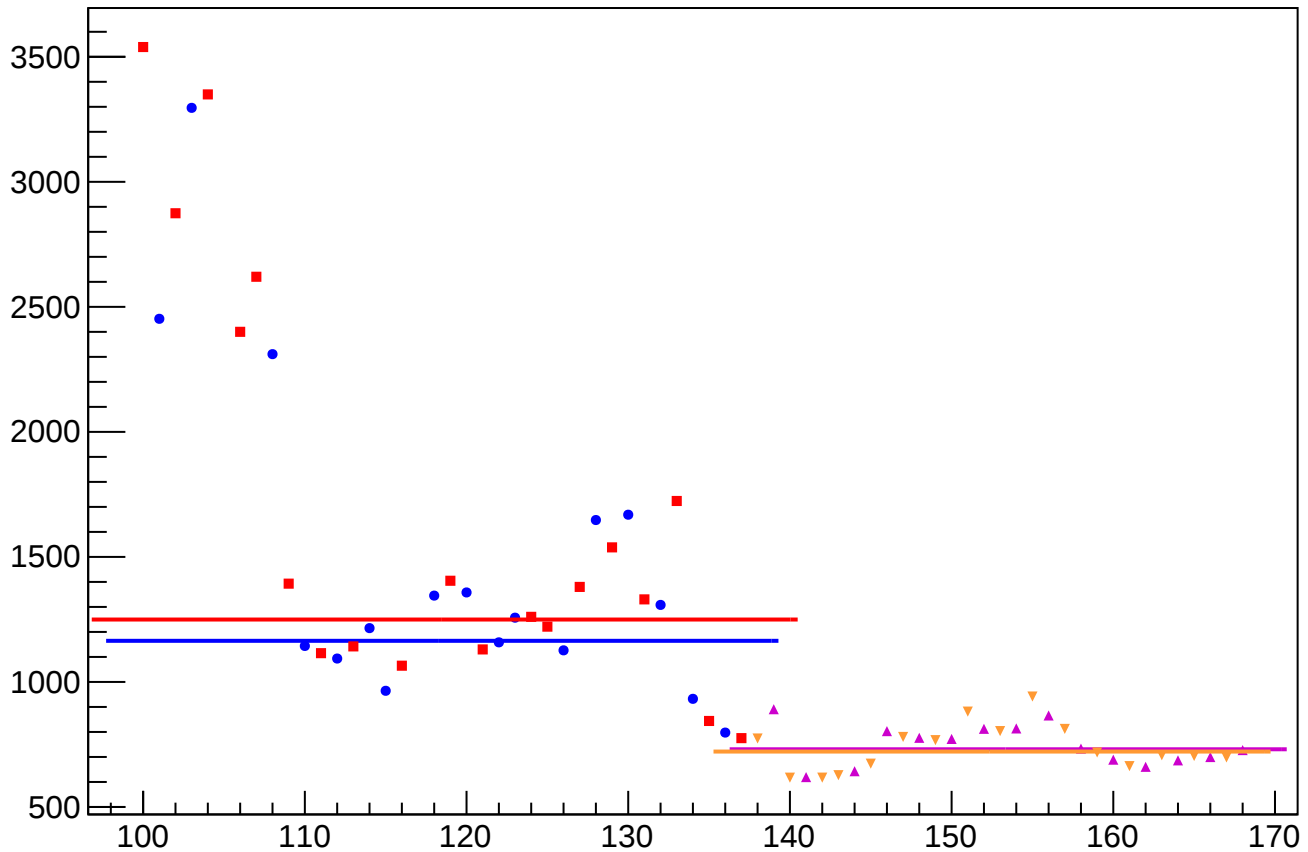
Left In: 0.118 ± 0.215 χ^2/NDF : 14.4/14

+ sign -1.164 ± 0.193 χ^2/NDF : 56.1/32

All: -0.606 ± 0.138 χ^2/NDF : 102.3/66

- sign -0.023 ± 0.197 χ^2/NDF : 29.2/33

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 721.628 $\pm$ 0.149 χ^2 /NDF: 317972.3/15

Right Out: 1249.596 $\pm$ 0.354 χ^2 /NDF: 1650133.1/18

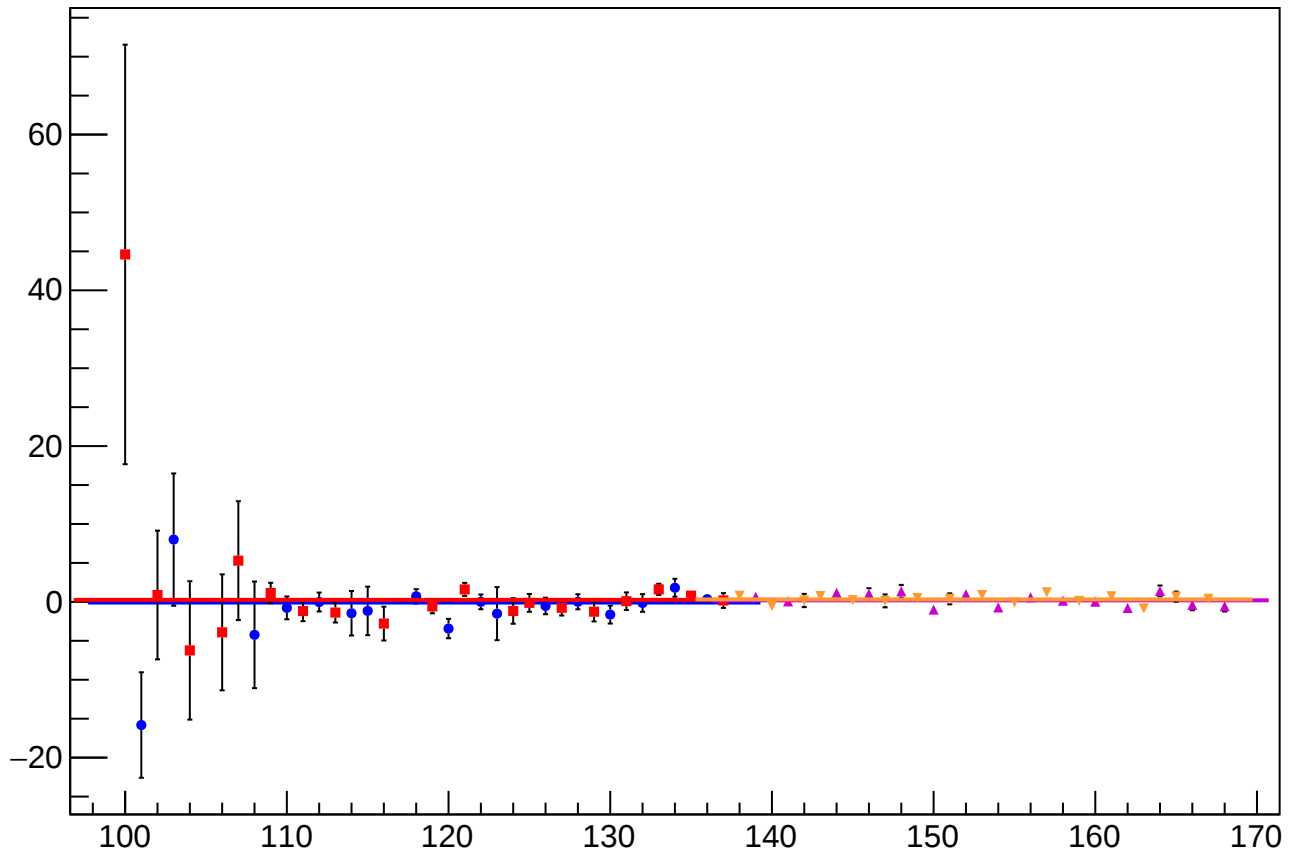
Left In: 730.724 $\pm$ 0.152 χ^2 /NDF: 258845.6/14

+ sign 792.188 $\pm$ 0.137 χ^2 /NDF: 3308845.9/32

All: 801.506 $\pm$ 0.098 χ^2 /NDF: 7037595.8/66

- sign 811.233 $\pm$ 0.140 χ^2 /NDF: 3719247.0/33

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.317 ± 0.151 χ^2/NDF : 12.2/15

Right Out: 0.259 ± 0.264 χ^2/NDF : 20.4/18

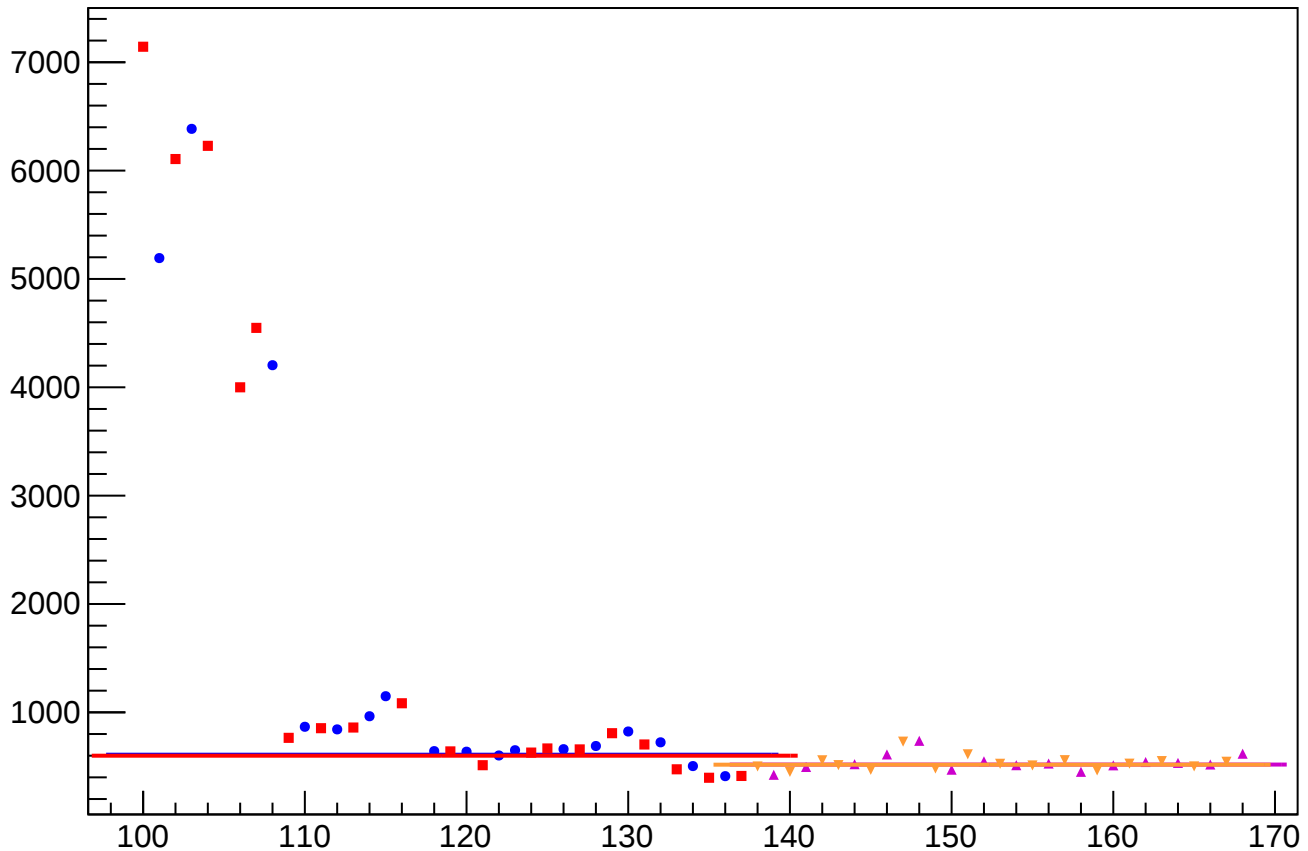
Left In: 0.197 ± 0.153 χ^2/NDF : 25.1/14

+ sign 0.221 ± 0.132 χ^2/NDF : 34.9/32

All: 0.217 ± 0.093 χ^2/NDF : 80.5/66

- sign 0.213 ± 0.132 χ^2/NDF : 45.6/33

diff_cav4cY_rms vs Slug



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 516.924 $\pm$ 0.107 χ^2 /NDF: 274540.4/15

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

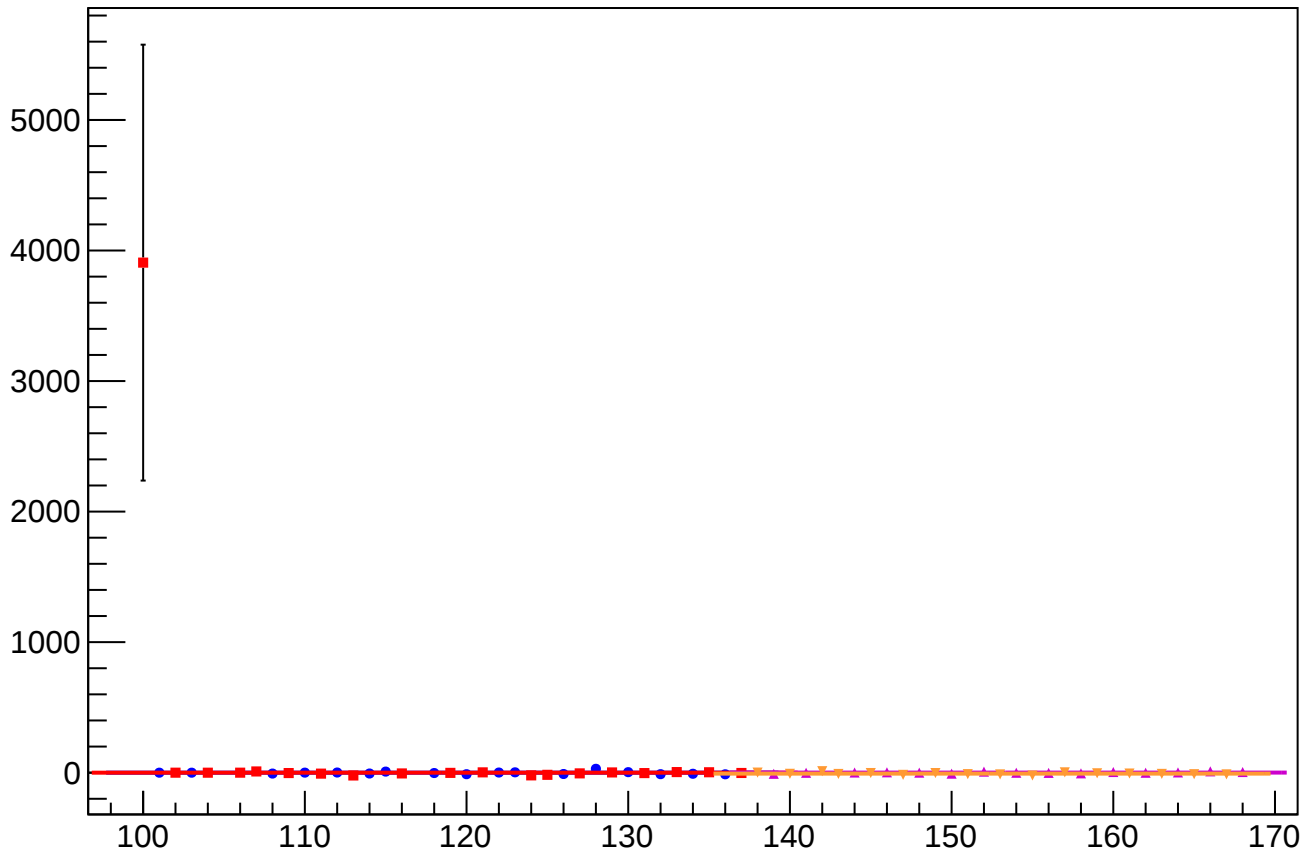
Left In: 518.058 $\pm$ 0.108 χ^2 /NDF: 356686.8/14

+ sign 538.848 $\pm$ 0.093 χ^2 /NDF: 3590851.6/32

All: 538.721 $\pm$ 0.066 χ^2 /NDF: 7638799.2/66

- sign 538.593 $\pm$ 0.094 χ^2 /NDF: 4047943.9/33

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -7.258 ± 1.229 χ^2/NDF : 32.7/15

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.3/18

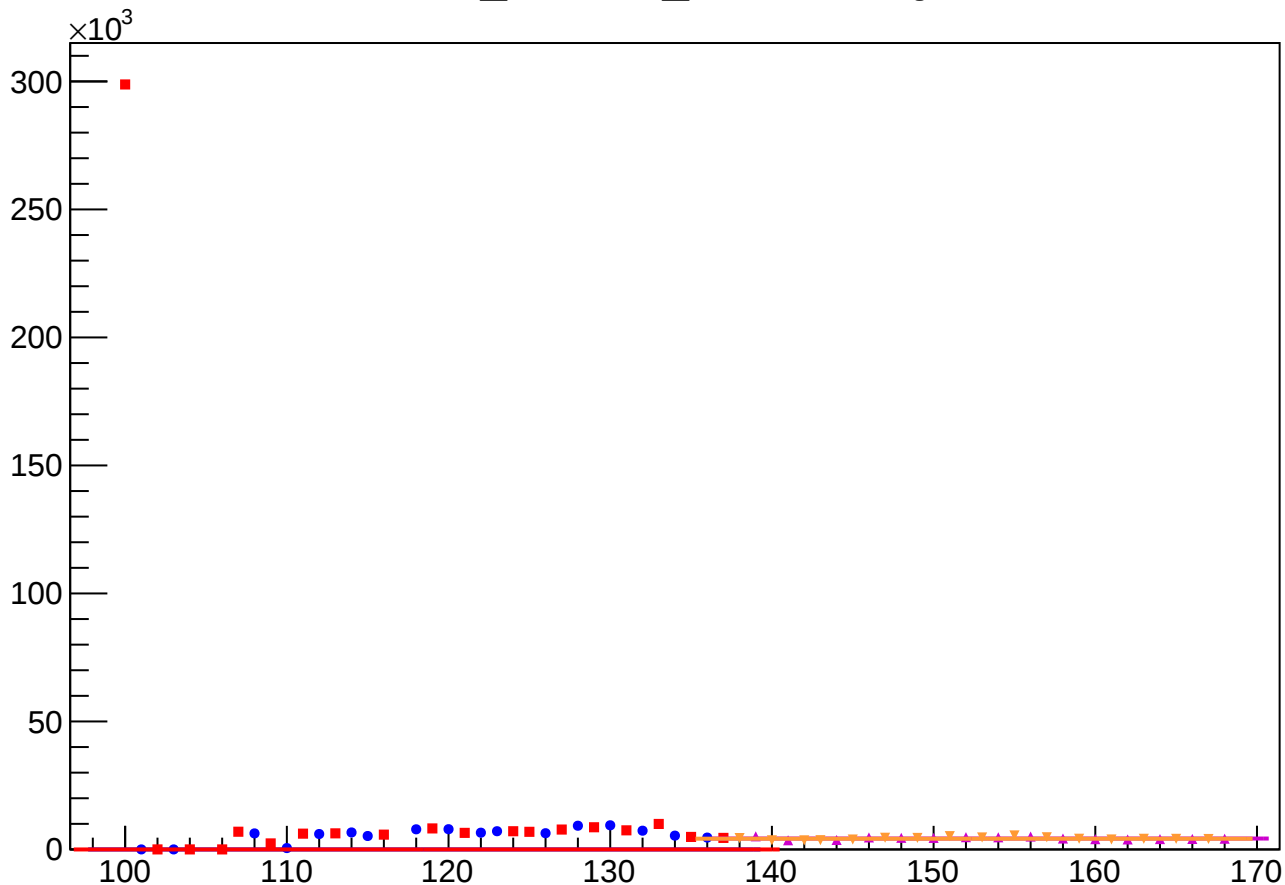
Left In: 0.703 ± 1.254 χ^2/NDF : 14.0/14

+ sign -0.024 ± 0.021 χ^2/NDF : 82.7/32

All: -0.025 ± 0.014 χ^2/NDF : 114.3/66

- sign -0.027 ± 0.020 χ^2/NDF : 31.6/33

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4205.245 $\pm$ 0.869 χ^2 /NDF: 335467.6/15

Right Out: 17.268 $\pm$ 0.014 χ^2 /NDF: 10813350.8/18

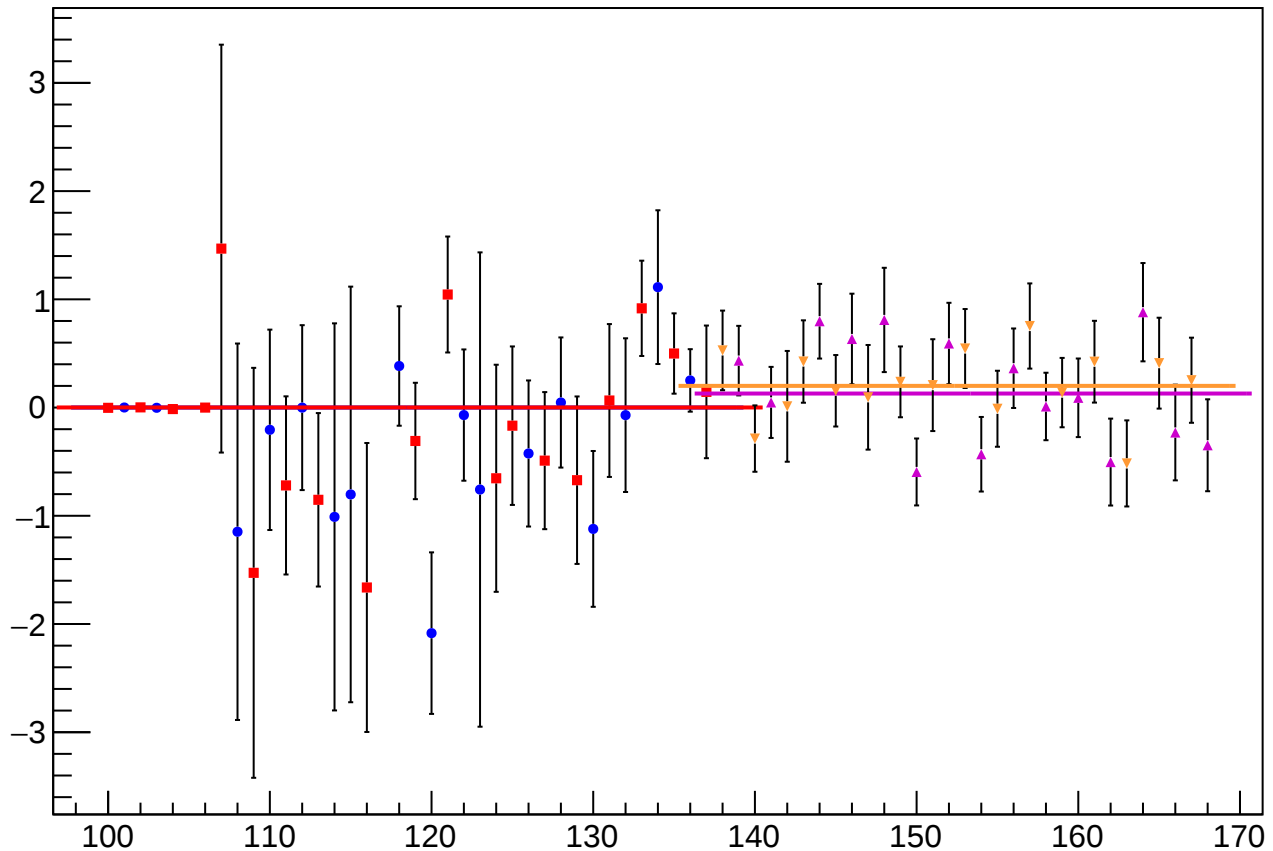
Left In: 4264.665 $\pm$ 0.887 χ^2 /NDF: 262276.5/14

+ sign 18.536 $\pm$ 0.015 χ^2 /NDF: 33918304.3/32

All: 18.425 $\pm$ 0.010 χ^2 /NDF: 67936449.1/66

- sign 18.325 $\pm$ 0.014 χ^2 /NDF: 34018036.3/33

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.200 ± 0.094 χ^2/NDF : 11.0/15

Right Out: 0.001 ± 0.002 χ^2/NDF : 17.8/18

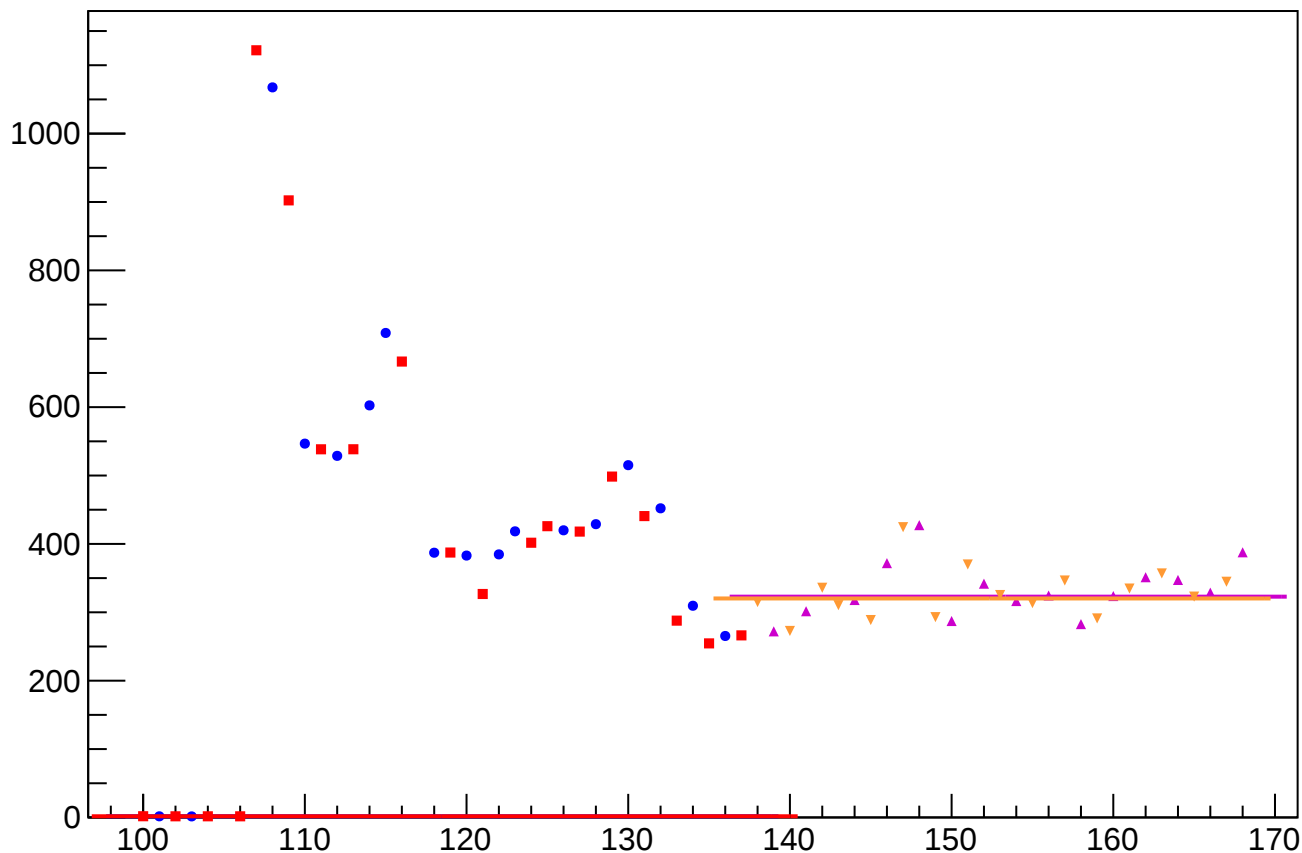
Left In: 0.130 ± 0.095 χ^2/NDF : 25.5/14

+ sign 0.000 ± 0.002 χ^2/NDF : 31.2/32

All: 0.001 ± 0.001 χ^2/NDF : 76.4/66

- sign 0.001 ± 0.002 χ^2/NDF : 45.2/33

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 320.236 $\pm$ 0.066 χ^2 /NDF: 258511.0/15

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

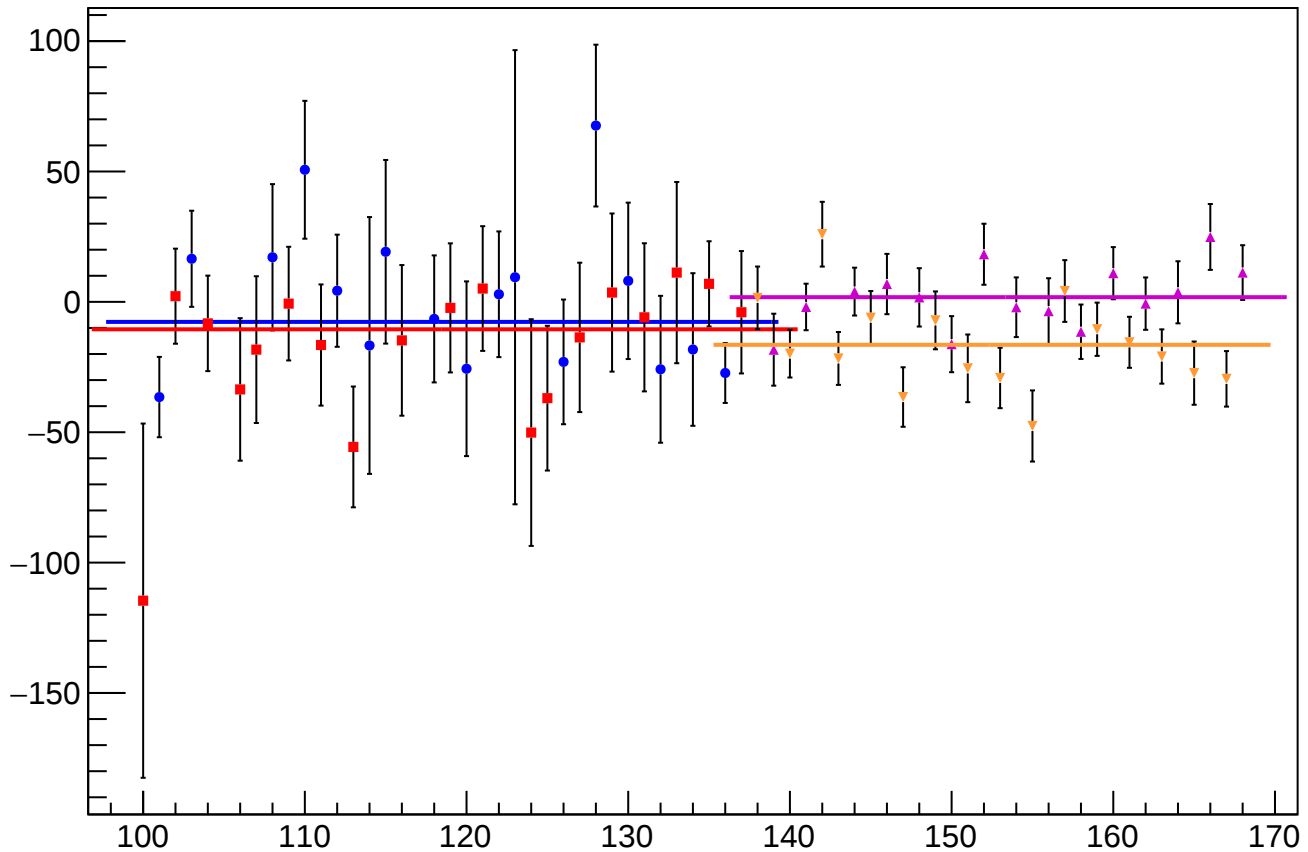
Left In: 322.873 $\pm$ 0.067 χ^2 /NDF: 308631.4/14

+ sign 1.848 $\pm$ 0.001 χ^2 /NDF: 34368809.0/32

All: 1.855 $\pm$ 0.001 χ^2 /NDF: 68159807.7/66

- sign 1.861 $\pm$ 0.001 χ^2 /NDF: 33790951.3/33

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -16.480 ± 2.761 χ^2/NDF : 31.9/15

Right Out: -10.524 ± 5.682 χ^2/NDF : 11.9/18

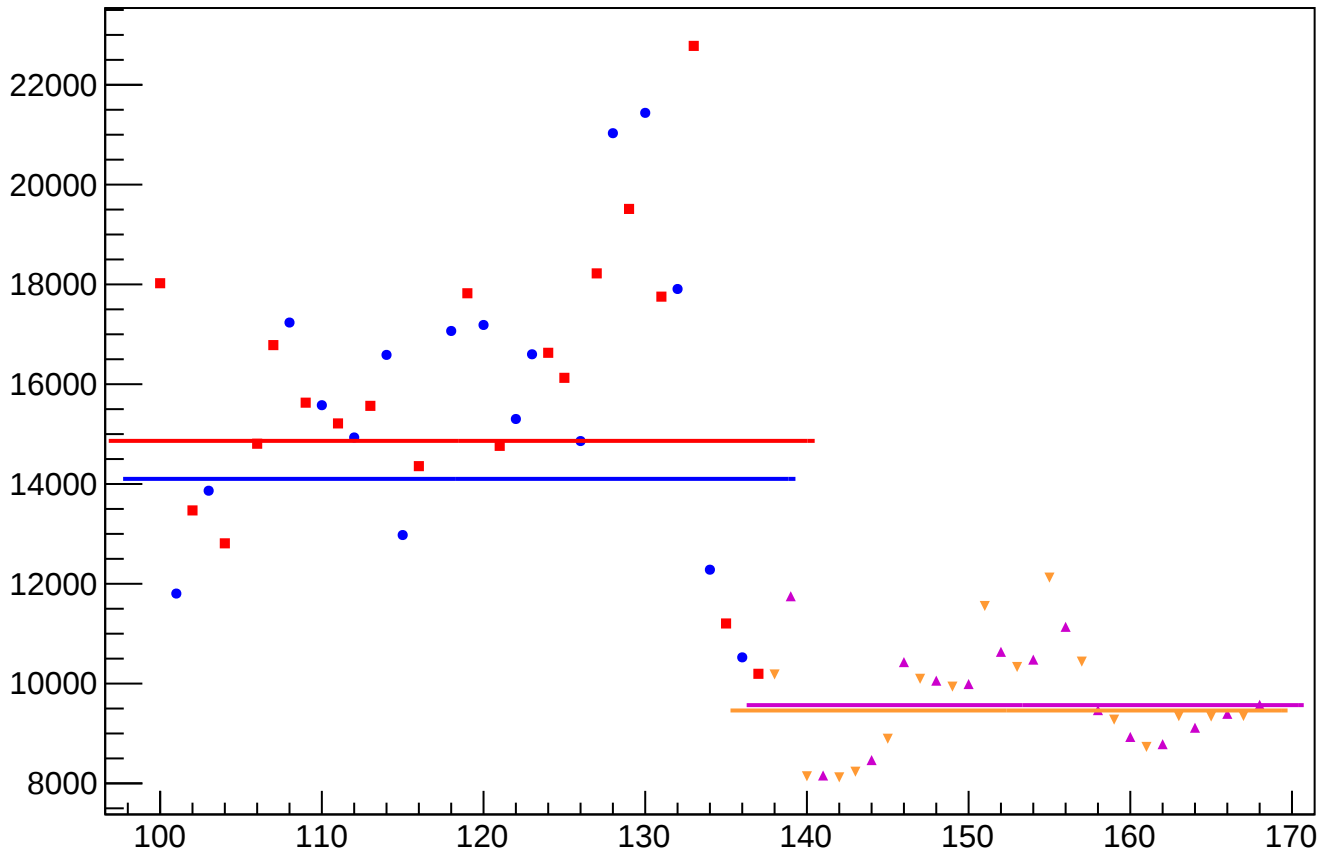
Left In: 1.797 ± 2.811 χ^2/NDF : 14.3/14

+ sign -14.773 ± 2.479 χ^2/NDF : 56.3/32

All: -7.815 ± 1.767 χ^2/NDF : 102.2/66

- sign -0.626 ± 2.520 χ^2/NDF : 30.0/33

diff_bpm4aX_rms vs Slug



Right In: 14102.522 $\pm$ 3.979 χ^2 /NDF: 598934.8/16

Left Out: 9460.838 $\pm$ 1.952 χ^2 /NDF: 282934.7/15

+ sign 10361.579 $\pm$ 1.753 χ^2 /NDF: 1978601.1/32

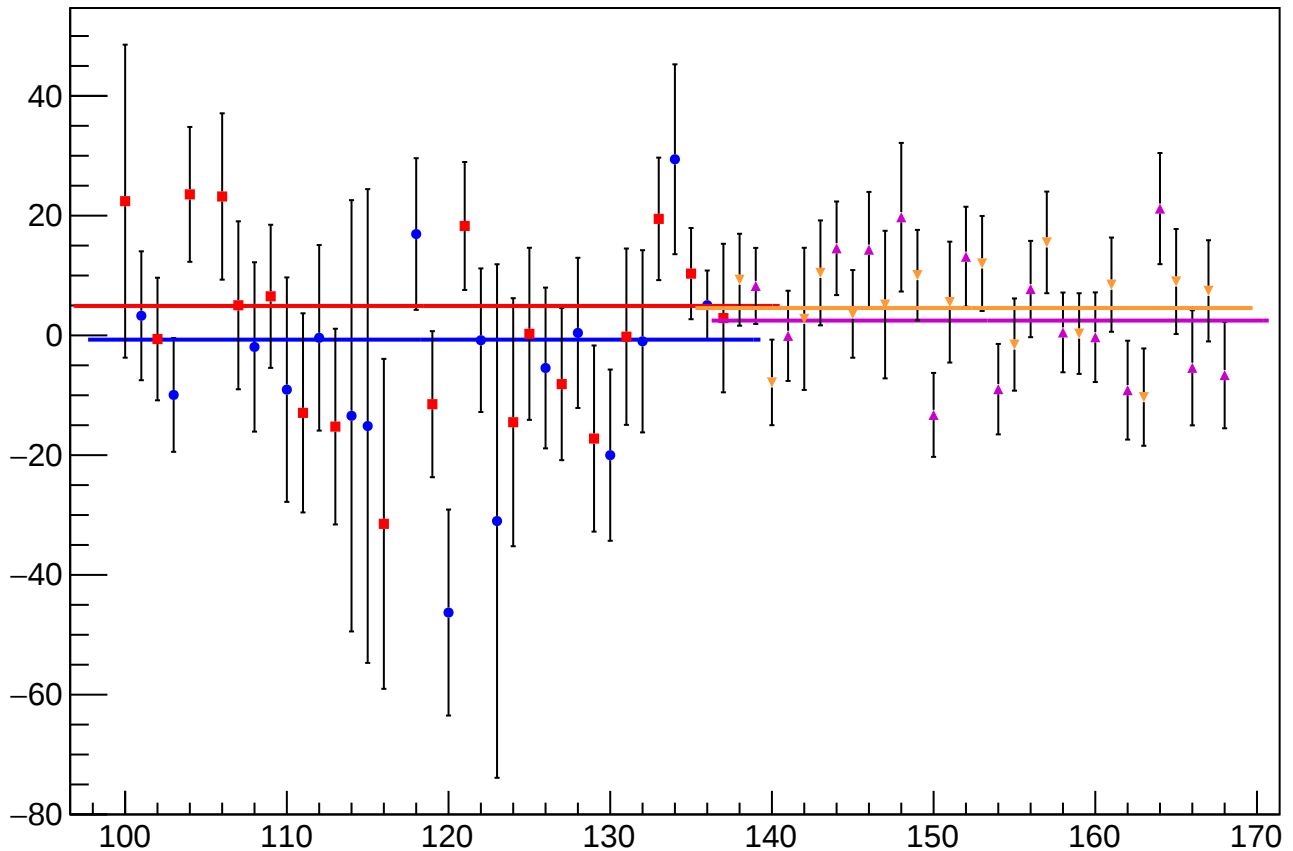
Right Out: 14864.163 $\pm$ 4.018 χ^2 /NDF: 470280.3/18

All: 10483.635 $\pm$ 1.250 χ^2 /NDF: 4085146.7/6

Left In: 9568.257 $\pm$ 1.988 χ^2 /NDF: 230781.3/14

- sign 10609.763 $\pm$ 1.782 χ^2 /NDF: 2096686.1/33

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 4.576 ± 2.057 χ^2/NDF : 12.0/15

Right Out: 4.918 ± 2.940 χ^2/NDF : 19.8/18

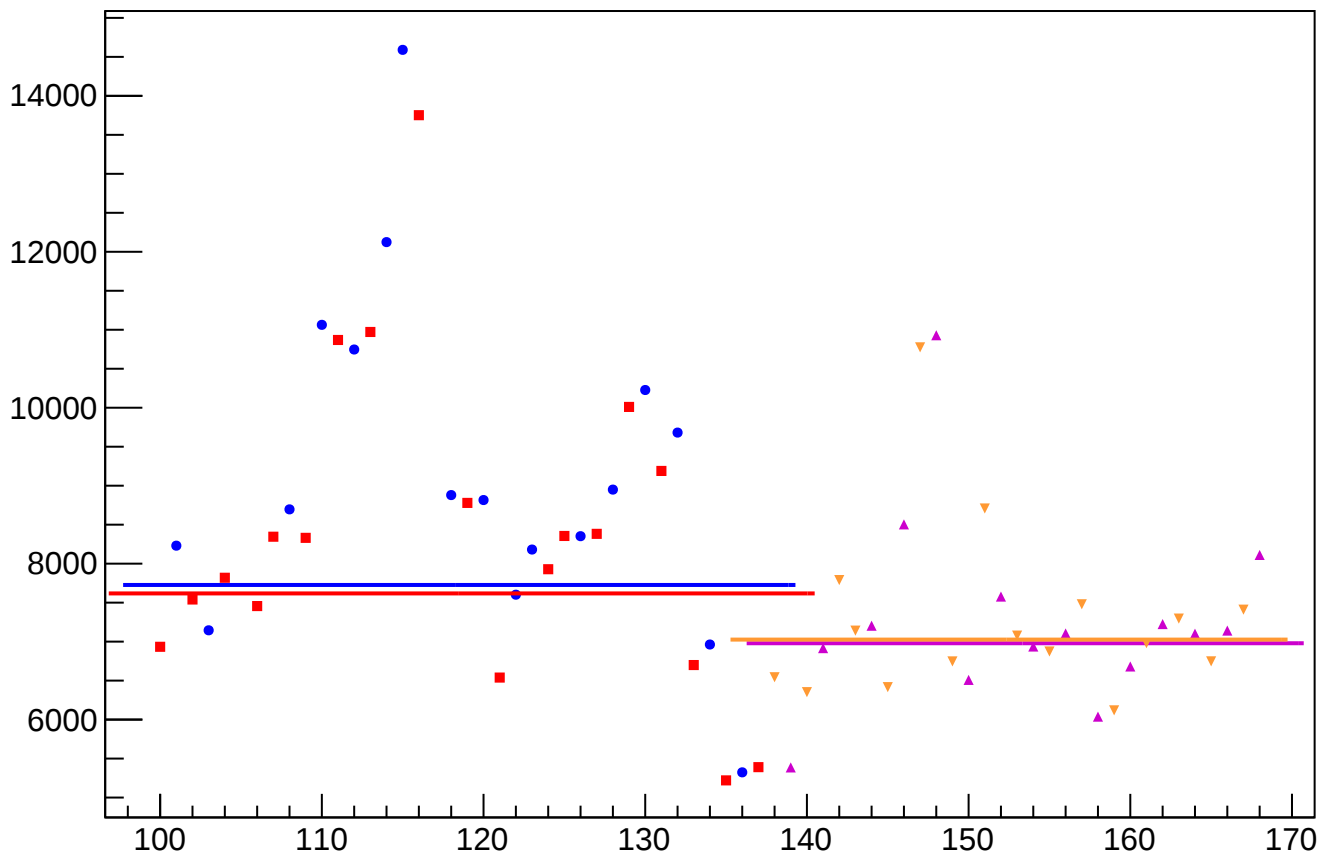
Left In: 2.477 ± 2.068 χ^2/NDF : 24.2/14

+ sign 2.949 ± 1.711 χ^2/NDF : 31.6/32

All: 3.119 ± 1.203 χ^2/NDF : 76.0/66

- sign 3.285 ± 1.691 χ^2/NDF : 44.4/33

diff_bpm4aY_rms vs Slug



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7026.009 $\pm$ 1.455 χ^2 /NDF:342775.9/15

Right Out: 7618.206 $\pm$ 2.079 χ^2 /NDF: 675125.4/18

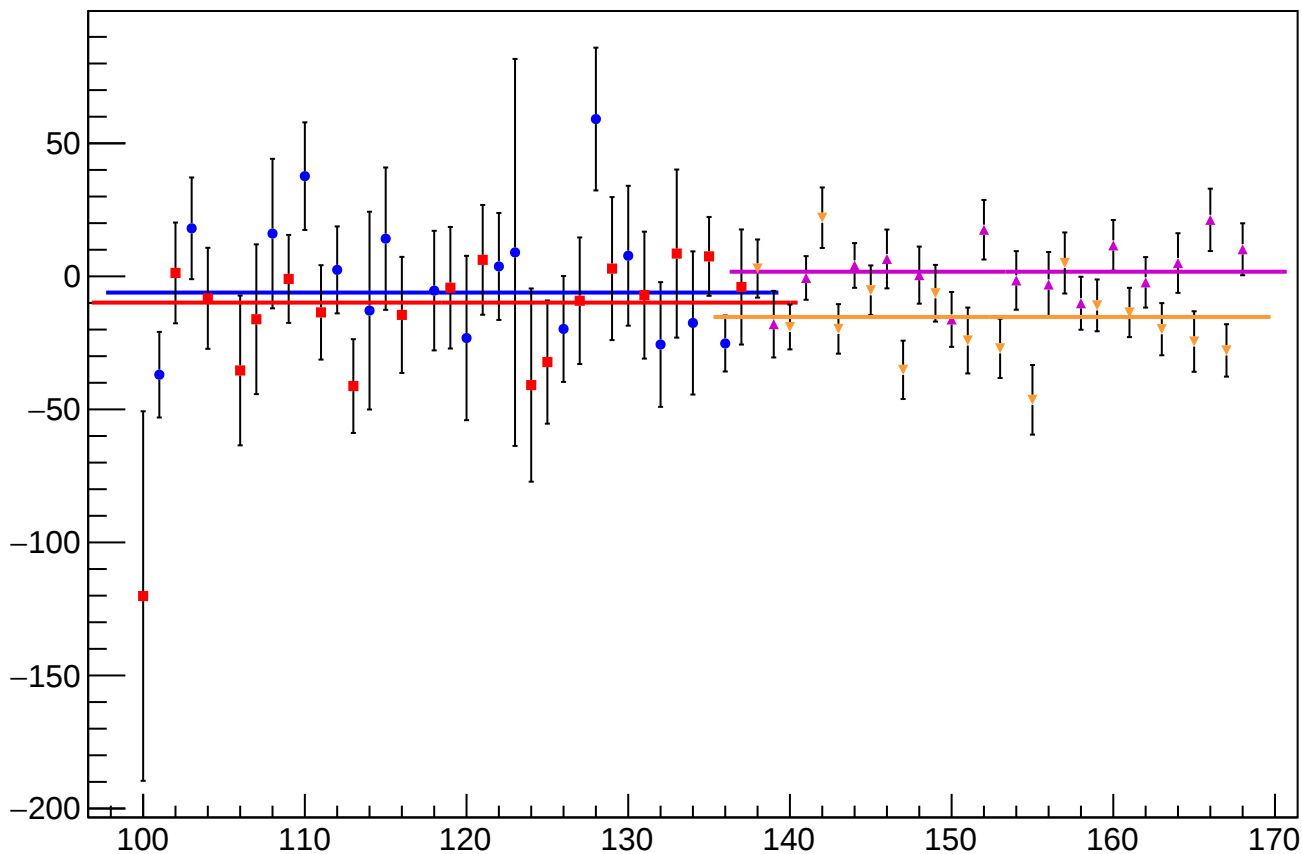
Left In: 6979.182 $\pm$ 1.462 χ^2 /NDF:478243.7/14

+ sign 7241.844 $\pm$ 1.210 χ^2 /NDF: 1156762.4/32

All: 7215.981 $\pm$ 0.851 χ^2 /NDF: 2374262.7/66

- sign 7190.719 $\pm$ 1.196 χ^2 /NDF: 1216597.3/33

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -15.261 ± 2.590 χ^2/NDF : 32.3/15

Right Out: -9.864 ± 5.004 χ^2/NDF : 11.6/18

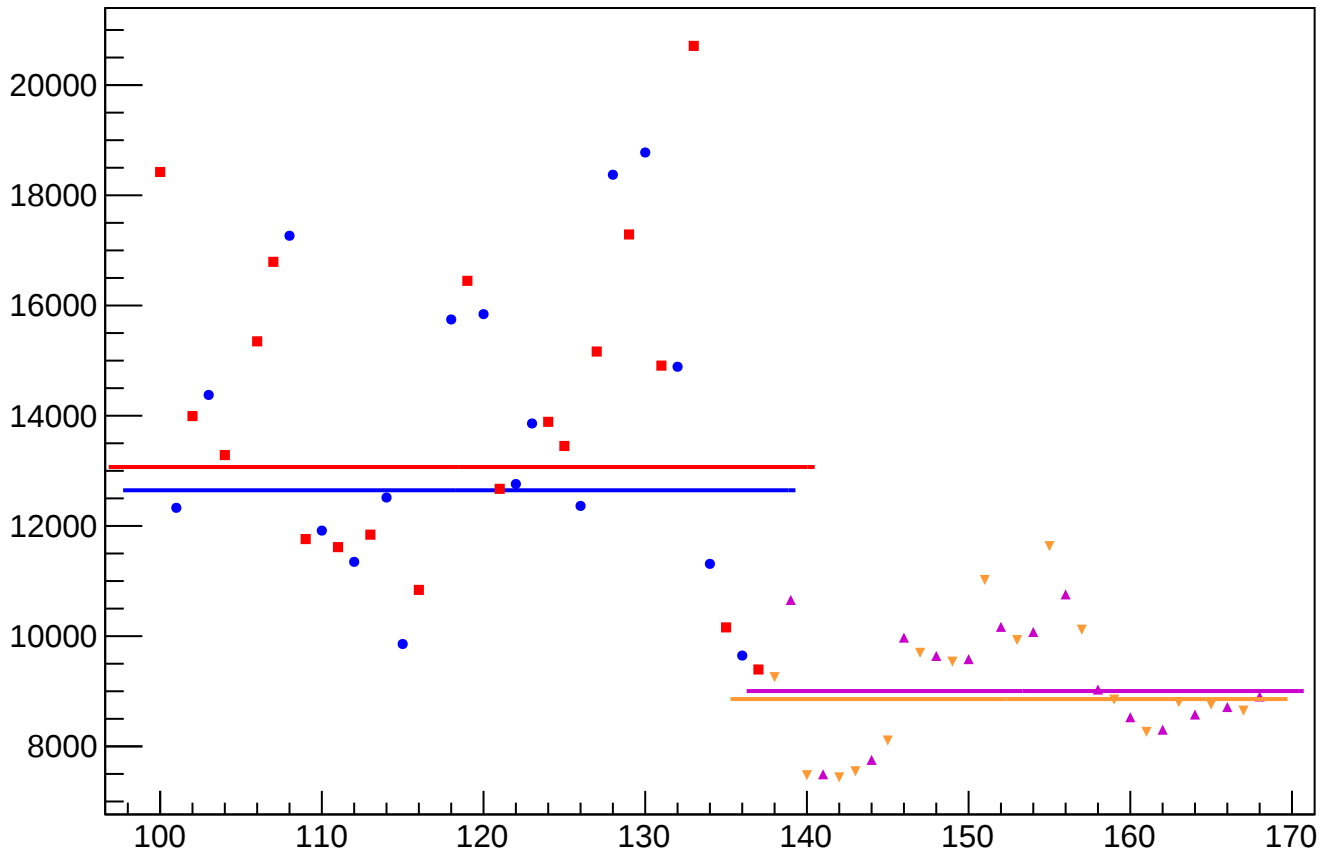
Left In: 1.742 ± 2.648 χ^2/NDF : 14.4/14

+ sign -13.342 ± 2.303 χ^2/NDF : 57.8/32

All: -7.171 ± 1.642 χ^2/NDF : 102.6/66

- sign -0.797 ± 2.341 χ^2/NDF : 30.2/33

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8858.165+/-1.831 χ^2/NDF : 363094.8/15

Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

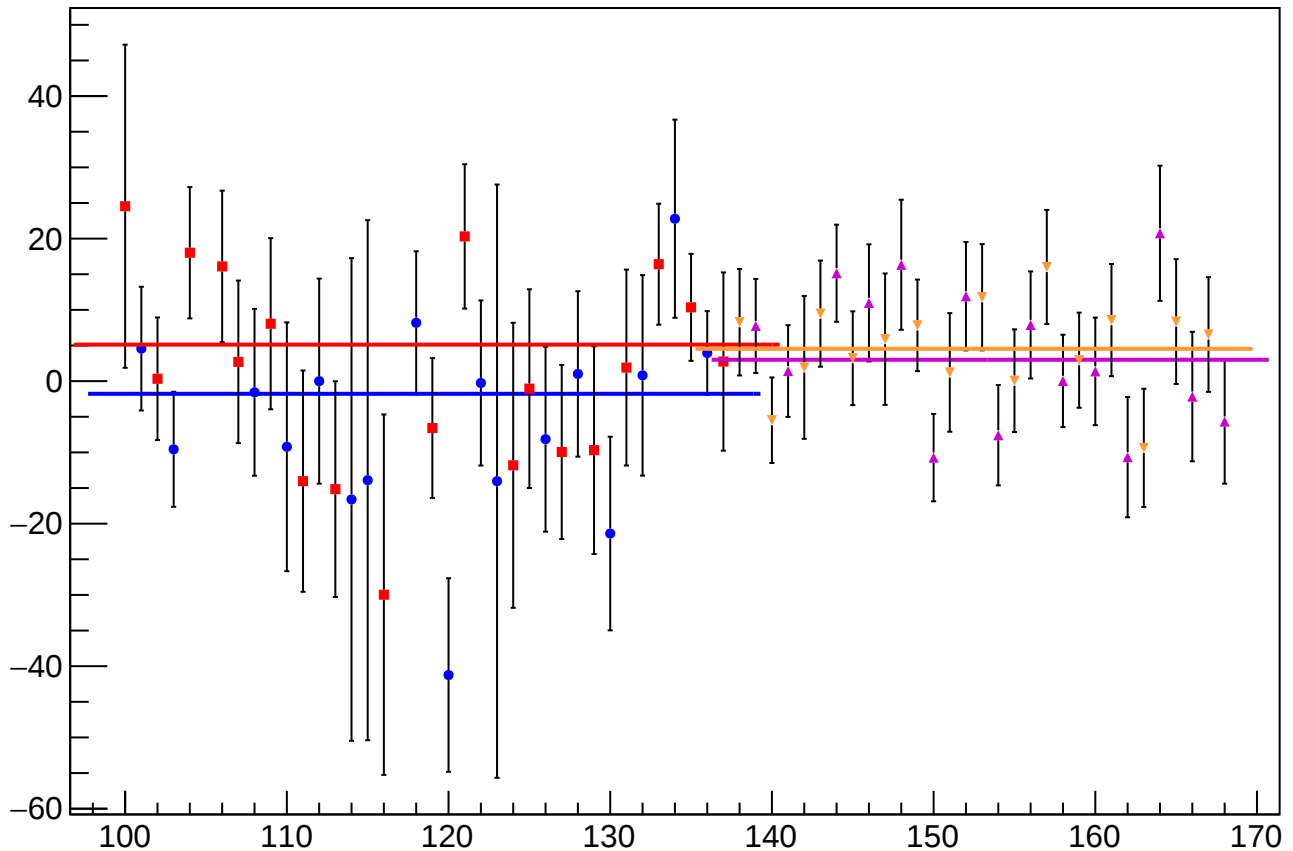
Left In: 9003.979+/-1.873 χ^2/NDF : 278024.1/14

+ sign 9651.340+/-1.629 χ^2/NDF : 1813443.0/32

All: 9770.568+/-1.161 χ^2/NDF : 3630328.8/66

- sign 9893.715+/-1.655 χ^2/NDF : 1805989.3/33

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 4.537 ± 1.885 χ^2/NDF : 10.8/15

Right Out: 5.122 ± 2.642 χ^2/NDF : 18.9/18

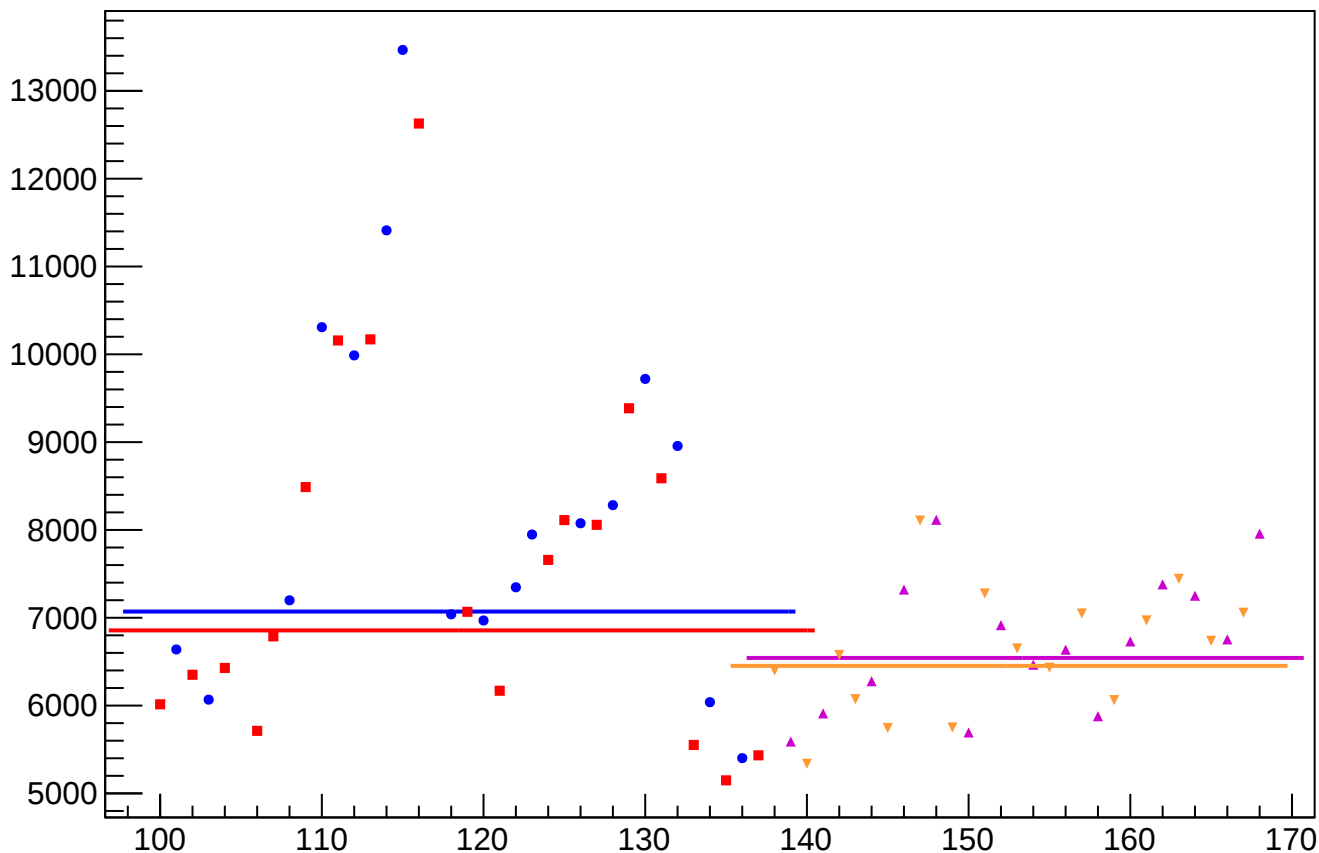
Left In: 3.004 ± 1.928 χ^2/NDF : 23.6/14

+ sign 2.575 ± 1.564 χ^2/NDF : 32.3/32

All: 3.160 ± 1.104 χ^2/NDF : 75.5/66

- sign 3.740 ± 1.557 χ^2/NDF : 42.9/33

diff_bpm4eY_rms vs Slug



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6452.351 $\pm$ 1.333 χ^2 /NDF: 275593.8/15

Right Out: 6856.136 $\pm$ 1.868 χ^2 /NDF: 682220.3/18

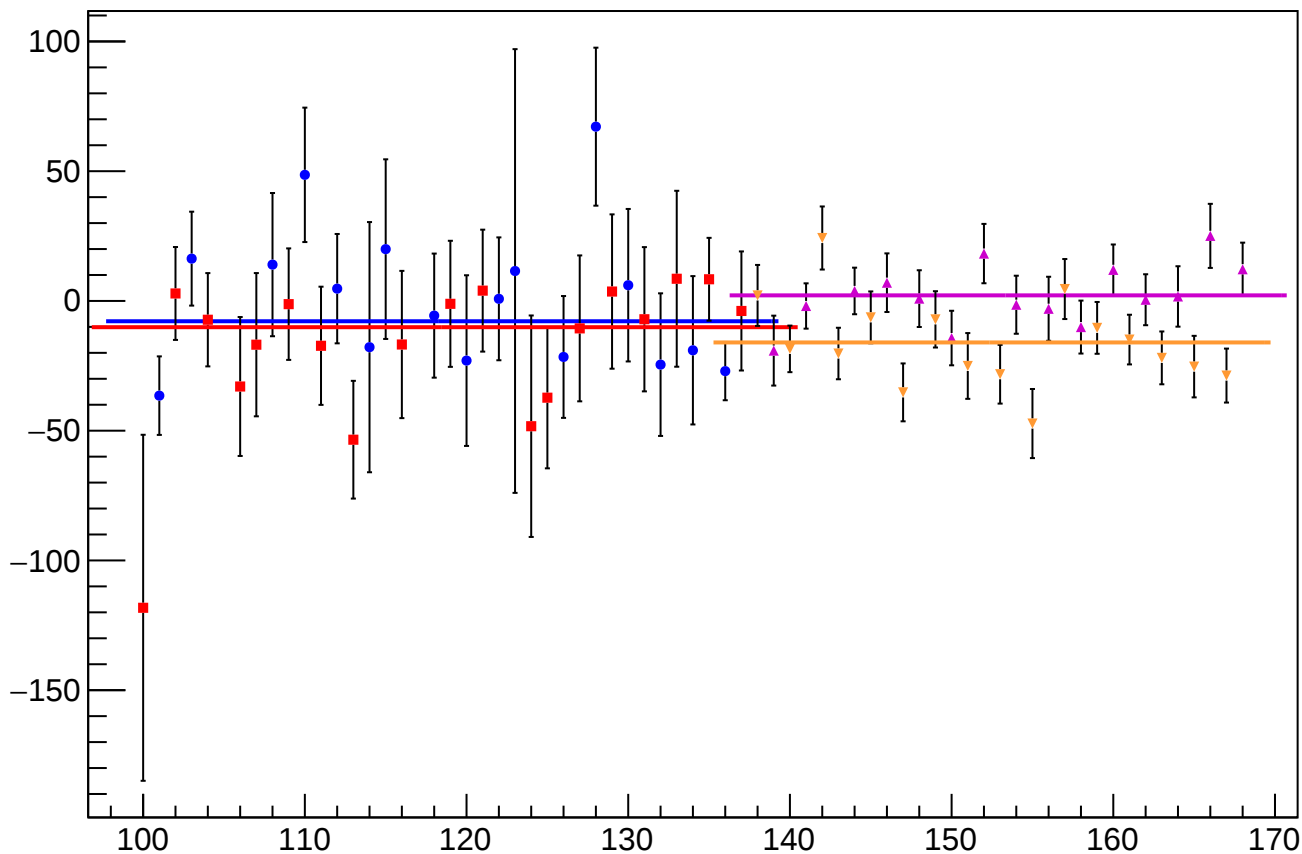
Left In: 6542.477 $\pm$ 1.363 χ^2 /NDF: 291876.7/14

+ sign 6644.554 $\pm$ 1.106 χ^2 /NDF: 944213.1/32

All: 6648.029 $\pm$ 0.780 χ^2 /NDF: 1936724.8/60

- sign 6651.474 $\pm$ 1.101 χ^2 /NDF: 992492.1/33

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -15.995 ± 2.699 χ^2/NDF : 31.3/15

Right Out: -10.117 ± 5.571 χ^2/NDF : 12.2/18

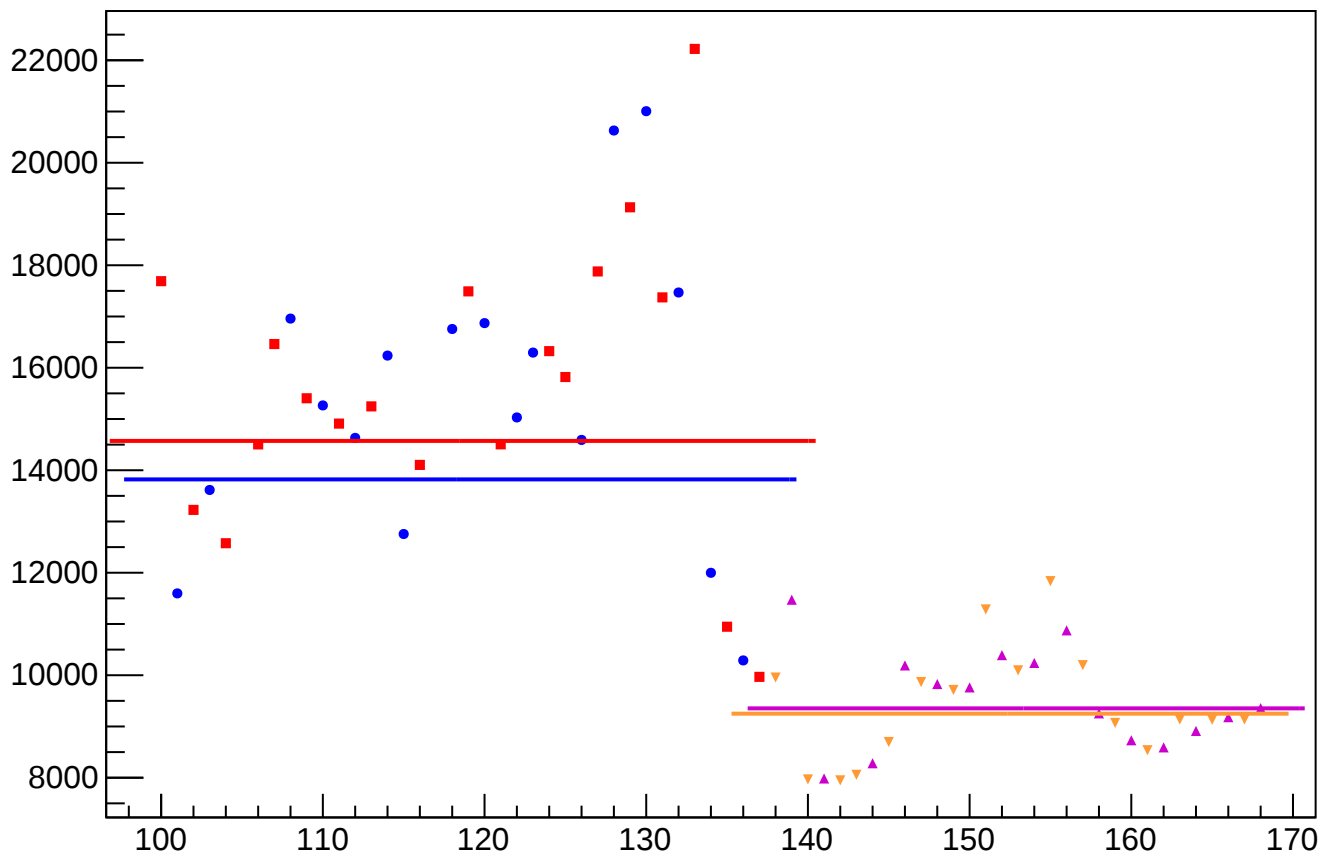
Left In: 2.150 ± 2.748 χ^2/NDF : 14.6/14

+ sign -14.416 ± 2.425 χ^2/NDF : 55.4/32

All: -7.449 ± 1.728 χ^2/NDF : 102.8/66

- sign -0.250 ± 2.465 χ^2/NDF : 30.6/33

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9249.681+/-1.909 χ^2/NDF : 279726.8/15

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

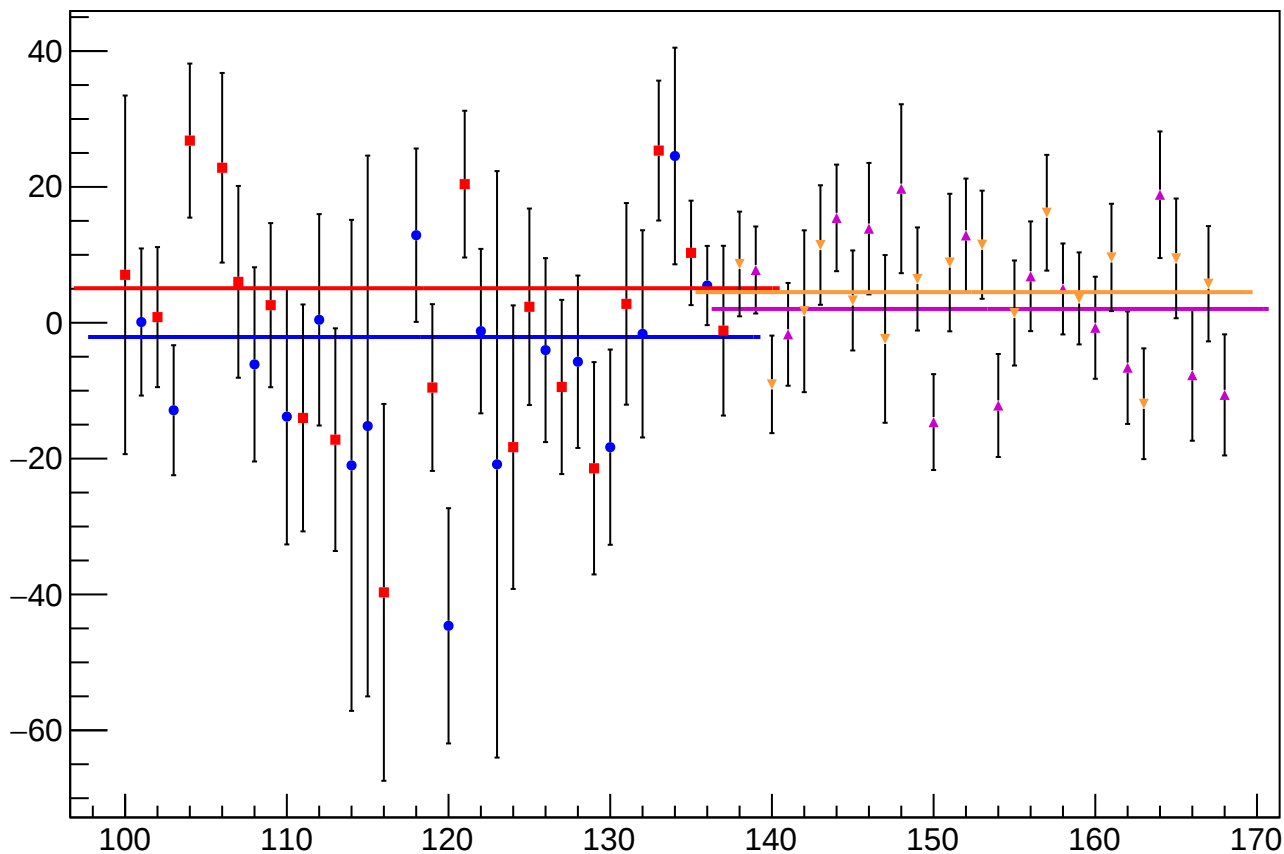
Left In: 9353.374+/-1.943 χ^2/NDF : 228013.6/14

+ sign 10132.977+/-1.714 χ^2/NDF : 1990799.1/32

All: 10251.877+/-1.222 χ^2/NDF : 4112759.9/6

- sign 10374.736+/-1.743 χ^2/NDF : 2112180.9/33

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 4.509 ± 2.066 χ^2/NDF : 12.8/15

Right Out: 5.085 ± 2.962 χ^2/NDF : 24.8/18

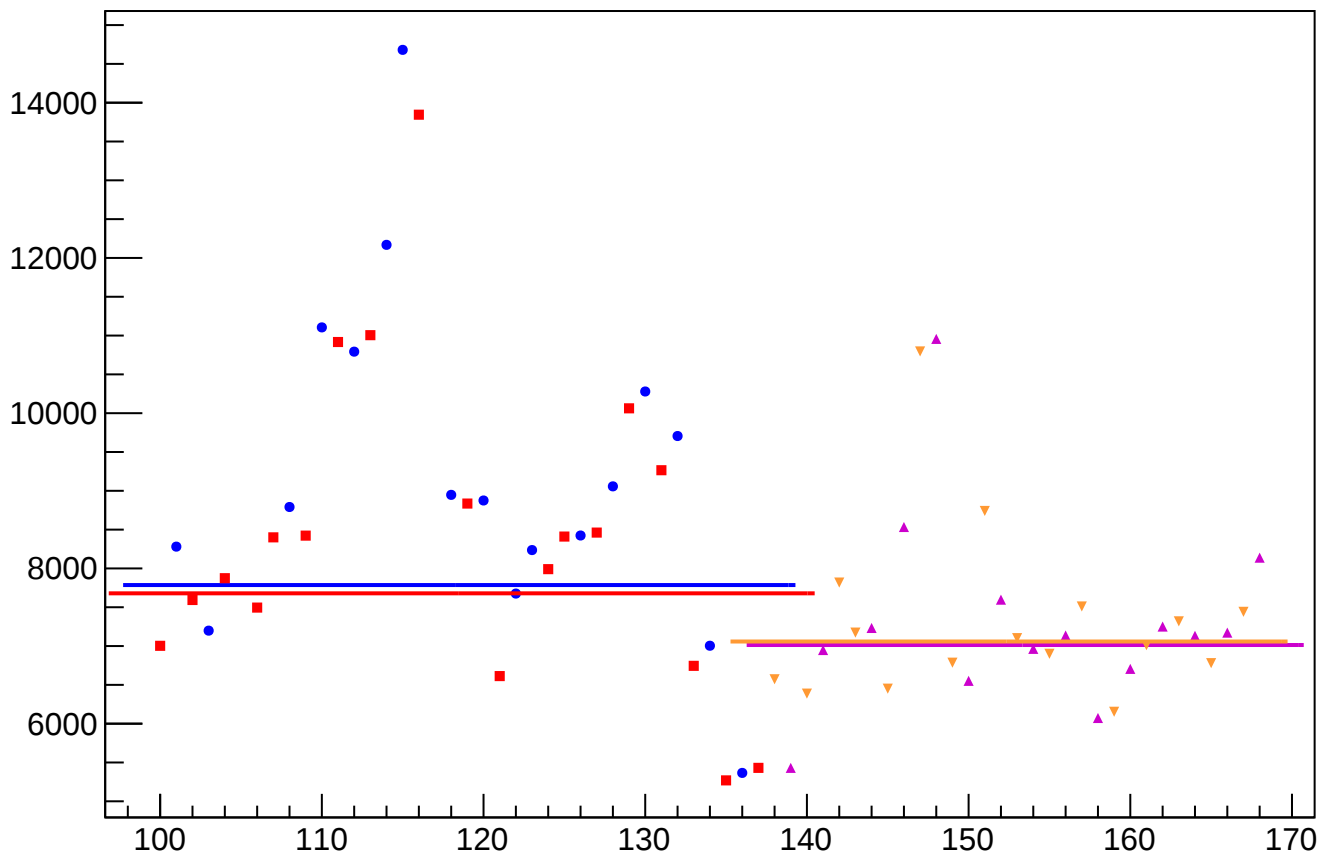
Left In: 2.034 ± 2.077 χ^2/NDF : 26.3/14

+ sign 2.482 ± 1.720 χ^2/NDF : 31.6/32

All: 2.764 ± 1.210 χ^2/NDF : 83.4/66

- sign 3.040 ± 1.701 χ^2/NDF : 51.8/33

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7058.516+/-1.461 χ^2/NDF : 338900.4/15

Right Out: 7679.182+/-2.095 χ^2/NDF : 668736.8/18

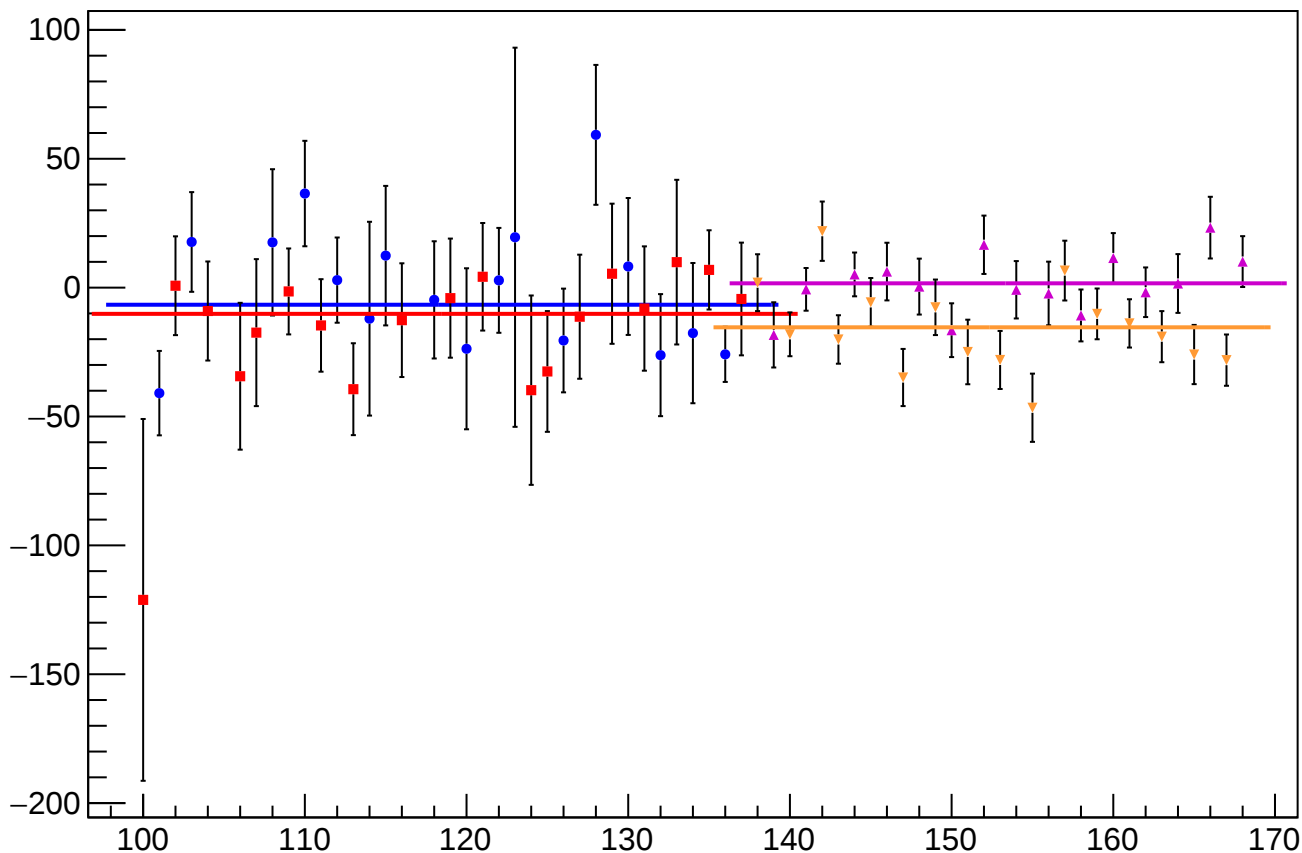
Left In: 7013.373+/-1.469 χ^2/NDF : 470310.9/14

+ sign 7281.643+/-1.217 χ^2/NDF : 1153027.0/32

All: 7256.981+/-0.855 χ^2/NDF : 2360617.0/60

- sign 7232.879+/-1.203 χ^2/NDF : 1206777.4/33

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -15.393 ± 2.618 χ^2/NDF : 31.9/15

Right Out: -10.172 ± 5.075 χ^2/NDF : 10.8/18

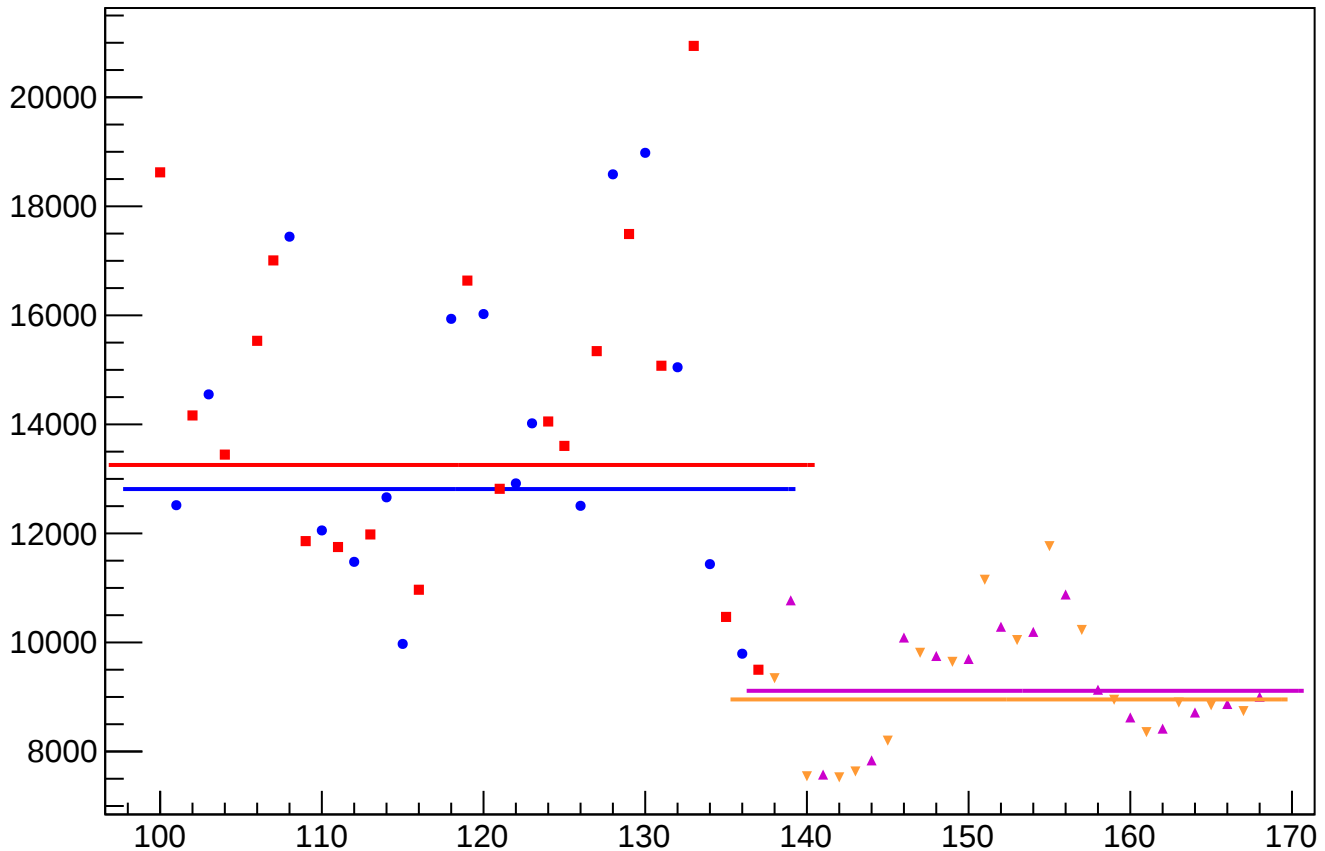
Left In: 1.674 ± 2.681 χ^2/NDF : 14.6/14

+ sign -13.567 ± 2.329 χ^2/NDF : 57.7/32

All: -7.350 ± 1.661 χ^2/NDF : 101.8/66

- sign -0.911 ± 2.371 χ^2/NDF : 29.6/33

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8954.597+/-1.851 χ^2/NDF : 364700.7/15

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

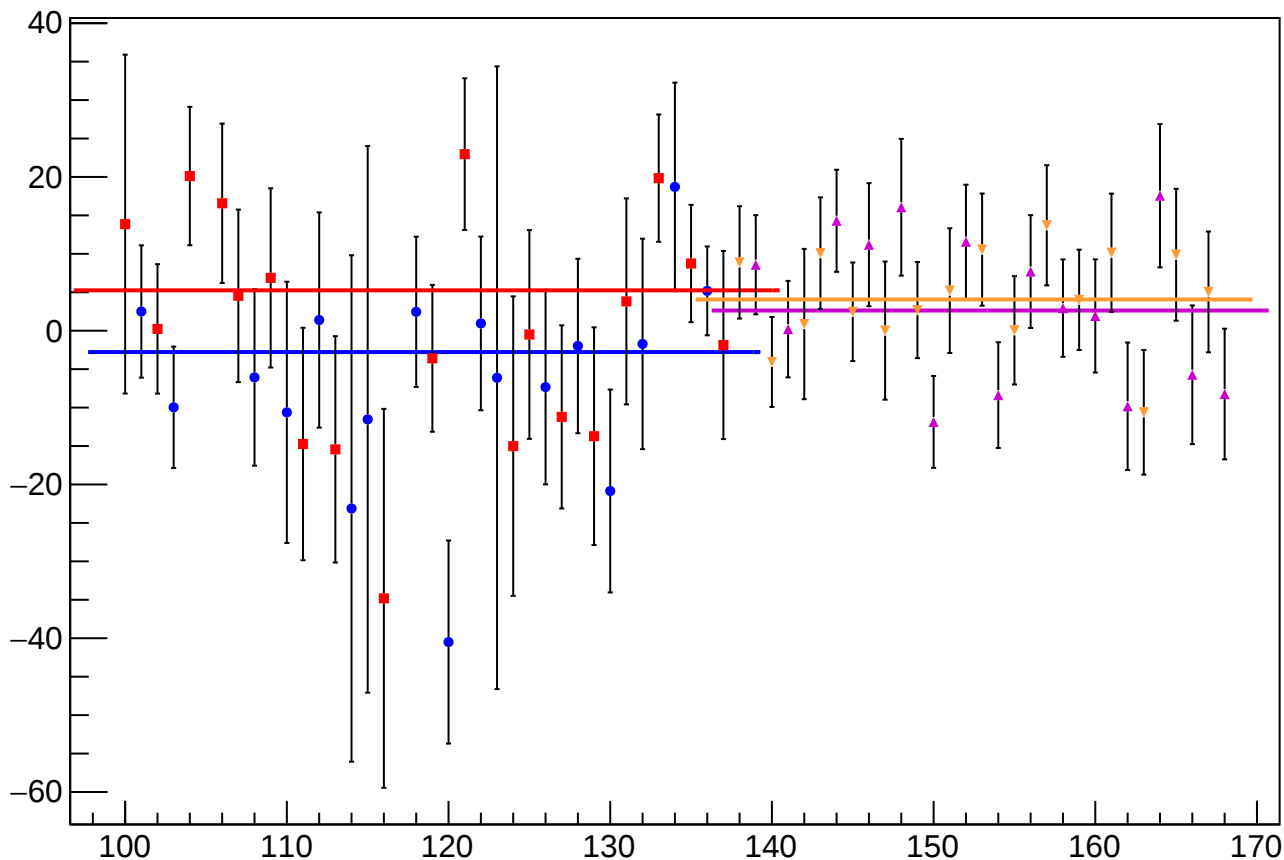
Left In: 9113.014+/-1.896 χ^2/NDF : 277260.1/14

+ sign 9759.267+/-1.647 χ^2/NDF : 1818741.5/32

All: 9885.830+/-1.175 χ^2/NDF : 3634198.4/60

- sign 10016.896+/-1.676 χ^2/NDF : 1803438.8/33

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 4.061 ± 1.840 χ^2/NDF : 10.5/15

Right Out: 5.252 ± 2.590 χ^2/NDF : 23.5/18

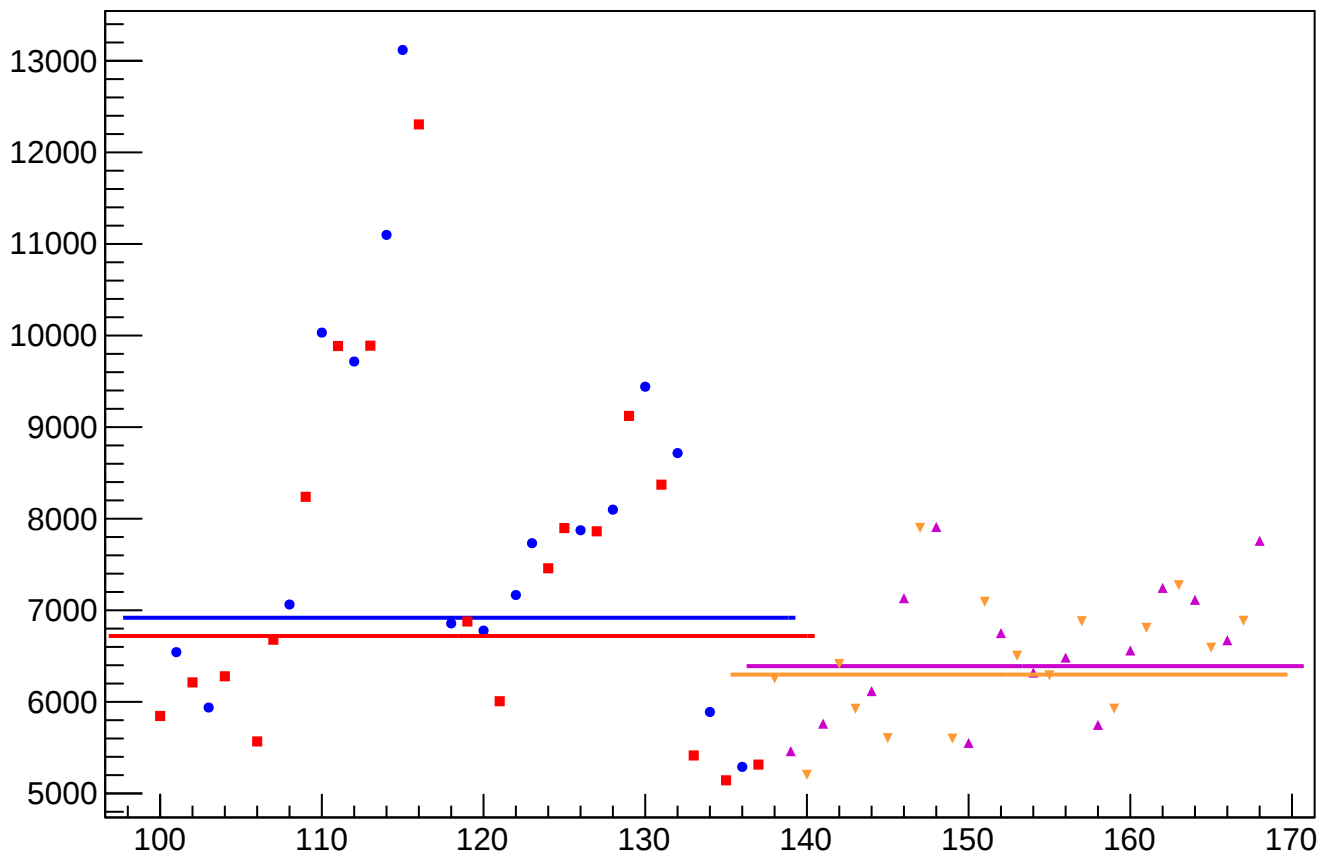
Left In: 2.626 ± 1.884 χ^2/NDF : 25.2/14

+ sign 1.943 ± 1.528 χ^2/NDF : 31.8/32

All: 2.742 ± 1.079 χ^2/NDF : 81.7/66

- sign 3.535 ± 1.523 χ^2/NDF : 49.4/33

diff_bpm4ecY_rms vs Slug



Right In: 6918.554 ± 1.943 $\chi^2/\text{NDF}: 587976.6/16$

Left Out: 6298.077 ± 1.301 $\chi^2/\text{NDF}: 277261.0/15$

Right Out: 6719.404 ± 1.831 $\chi^2/\text{NDF}: 653831.7/18$

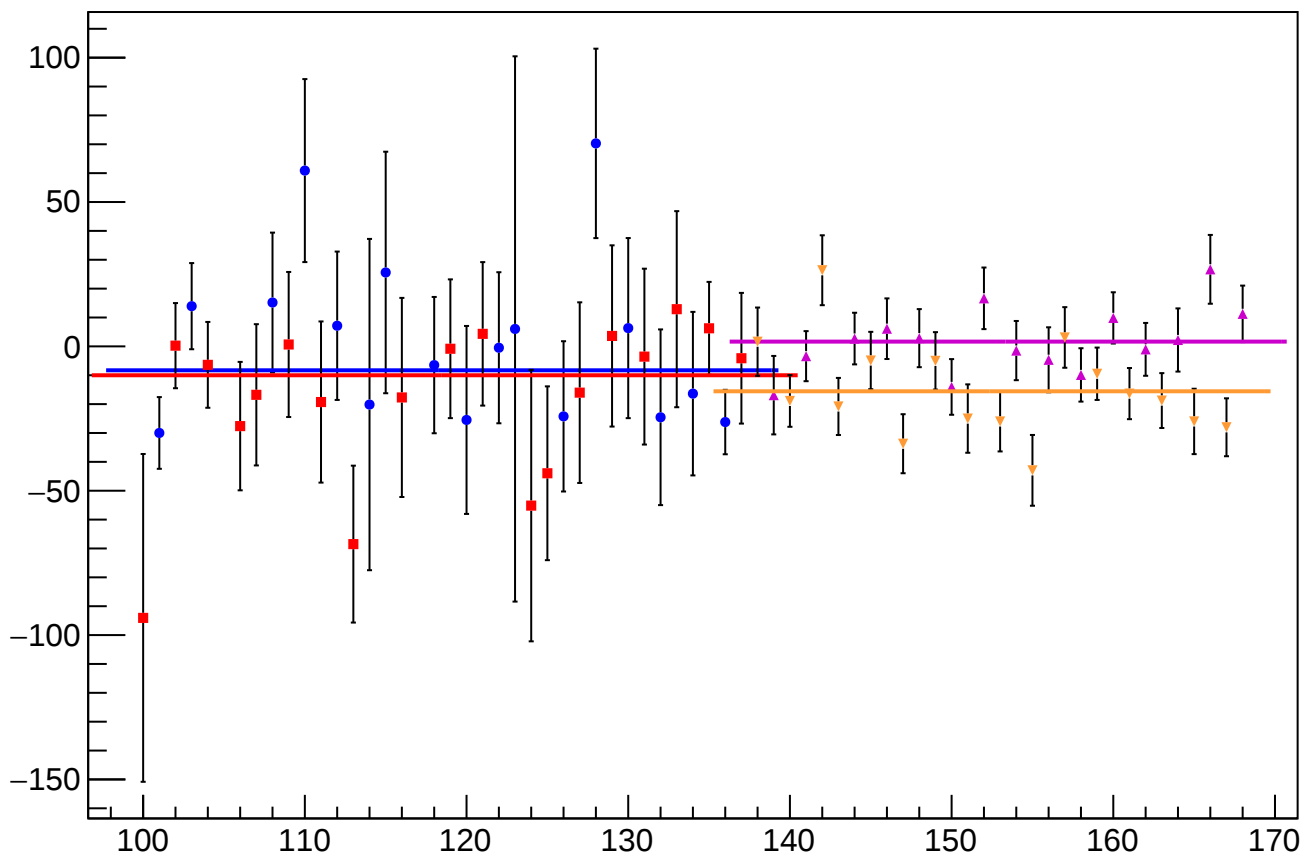
Left In: 6390.457 ± 1.332 $\chi^2/\text{NDF}: 293743.1/14$

+ sign 6490.161 ± 1.081 $\chi^2/\text{NDF}: 935680.8/32$

All: 6497.257 ± 0.763 $\chi^2/\text{NDF}: 1904443.2/60$

- sign 6504.306 ± 1.077 $\chi^2/\text{NDF}: 968676.5/33$

diff_bpm1X_mean vs Slug



Right In: -8.286 $\pm$ 5.410 χ^2 /NDF: 21.7/16

Left Out: -15.559 $\pm$ 2.562 χ^2 /NDF: 32.7/15

Right Out: -10.007 $\pm$ 5.513 χ^2 /NDF: 12.9/18

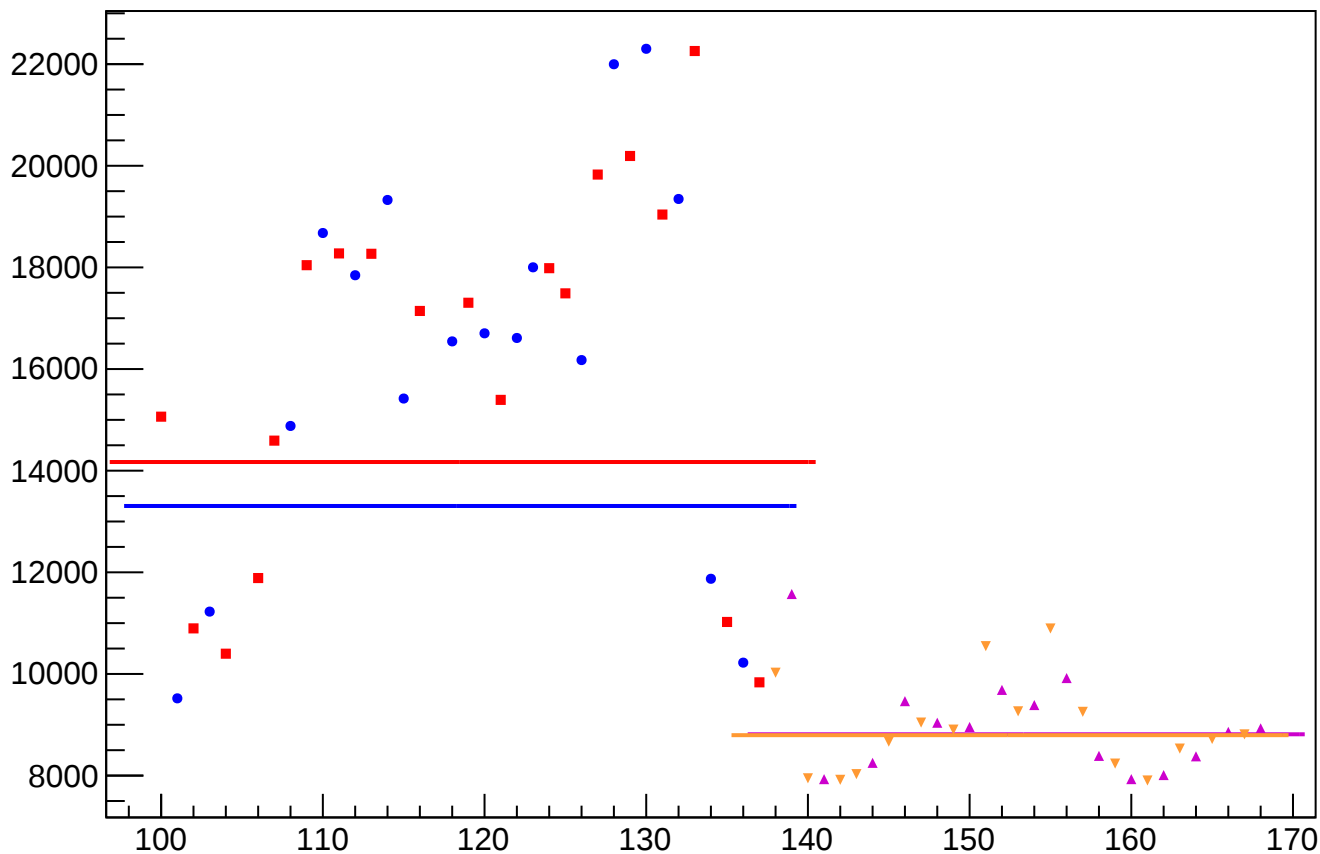
Left In: 1.651 $\pm$ 2.588 χ^2 /NDF: 15.3/14

+ sign -14.226 $\pm$ 2.316 χ^2 /NDF: 55.9/32

All: -7.420 $\pm$ 1.647 χ^2 /NDF: 105.3/66

- sign -0.454 $\pm$ 2.343 χ^2 /NDF: 31.9/33

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8795.470+/-1.812 χ^2/NDF : 203665.4/15

Right Out: 14170.668+/-3.898 χ^2/NDF : 930612.1/18

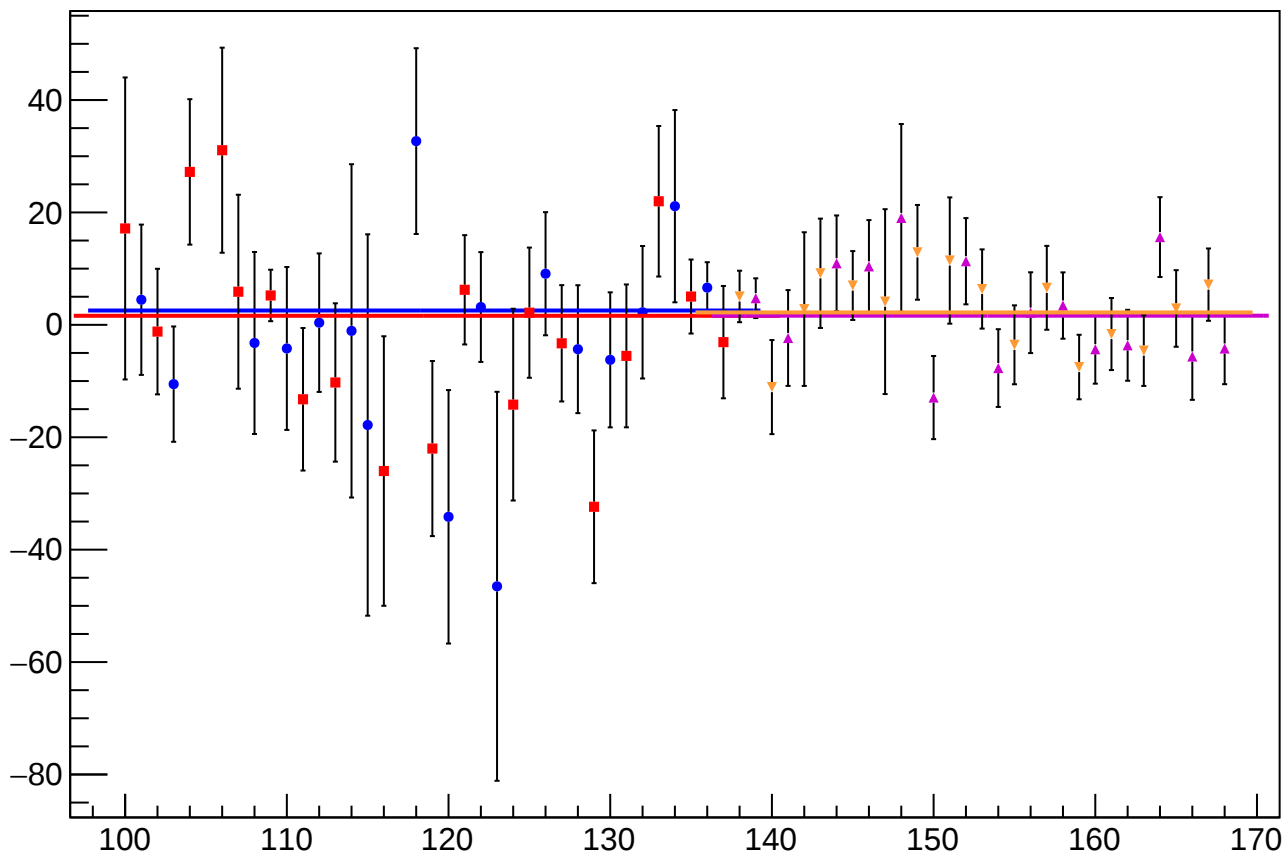
Left In: 8812.847+/-1.830 χ^2/NDF : 202148.1/14

+ sign 9621.721+/-1.637 χ^2/NDF : 2382942.8/32

All: 9700.139+/-1.165 χ^2/NDF : 5068156.3/60

- sign 9780.407+/-1.657 χ^2/NDF : 2680572.4/33

diff_bpm1Y_mean vs Slug



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 2.211 ± 1.784 χ^2/NDF : 12.7/15

Right Out: 1.613 ± 2.442 χ^2/NDF : 24.0/18

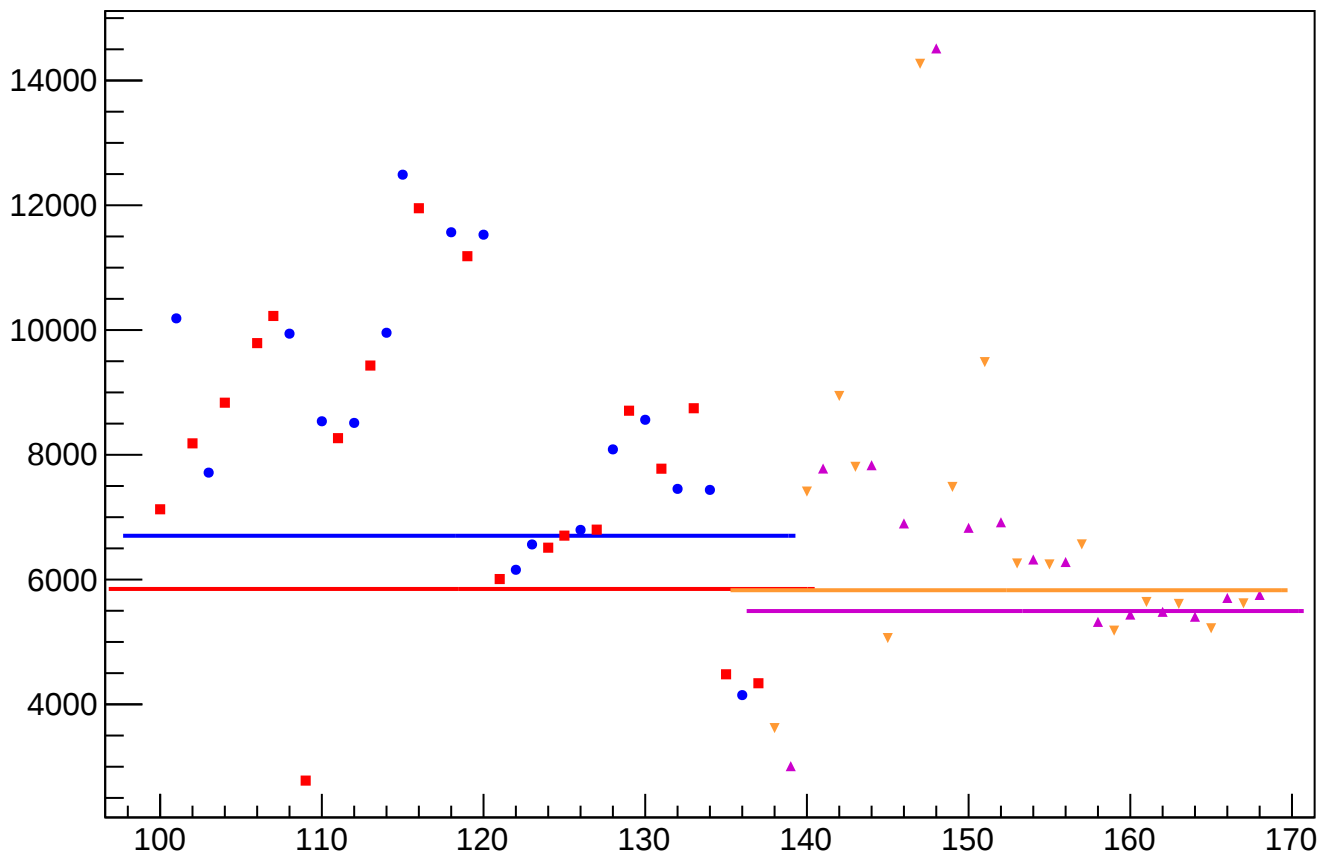
Left In: 1.628 ± 1.707 χ^2/NDF : 19.0/14

+ sign 2.311 ± 1.498 χ^2/NDF : 26.3/32

All: 1.944 ± 1.022 χ^2/NDF : 69.5/66

- sign 1.623 ± 1.399 χ^2/NDF : 43.0/33

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5829.205+/-1.261 χ^2/NDF : 1651835.4/15

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

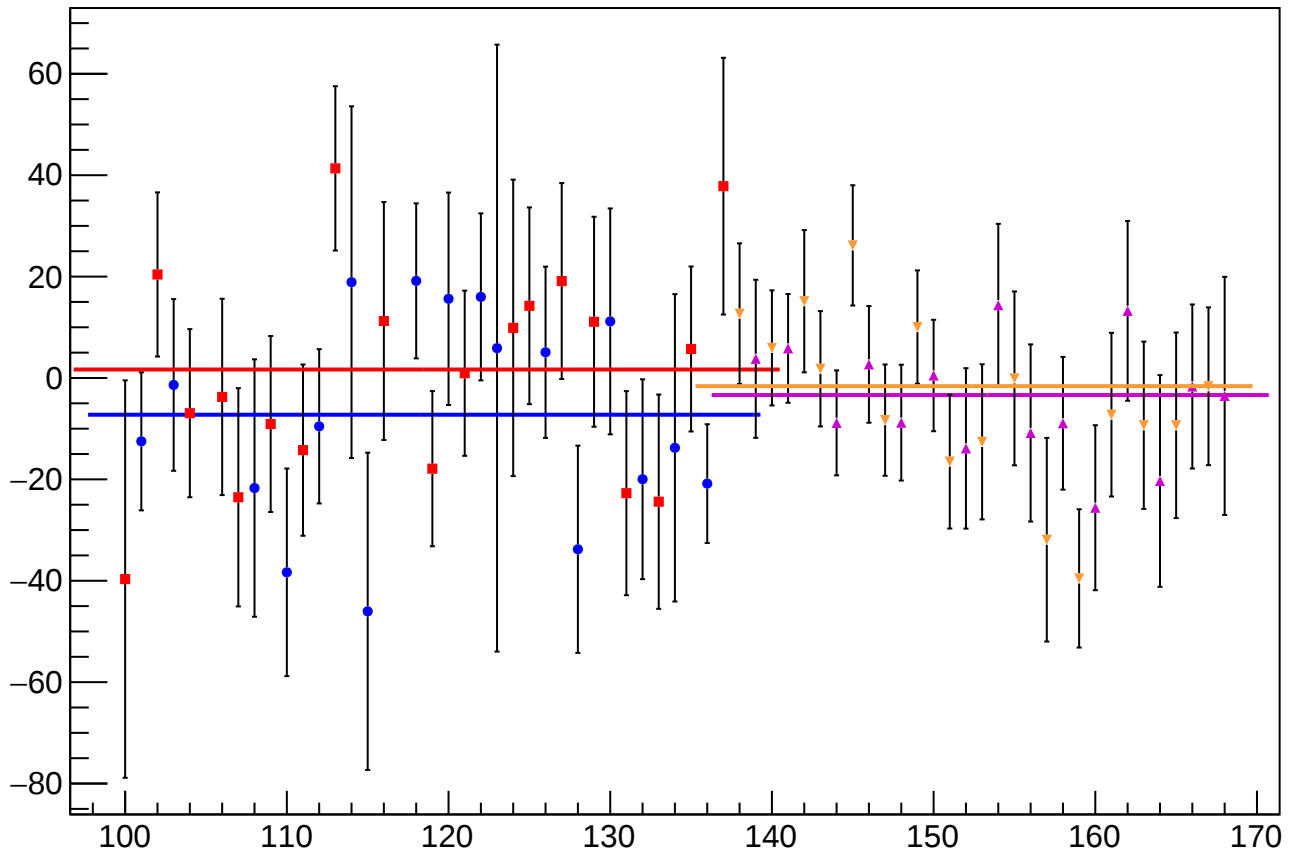
Left In: 5495.686+/-1.207 χ^2/NDF : 2118561.4/14

+ sign 6086.849+/-1.059 χ^2/NDF : 3183179.5/32

All: 5833.147+/-0.723 χ^2/NDF : 7715900.2/60

- sign 5611.794+/-0.989 χ^2/NDF : 4425246.7/33

diff_bpm11X_mean vs Slug



Right In: -7.245 $\pm$ 4.547 χ^2 /NDF: 15.9/16

Left Out: -1.608 $\pm$ 3.428 χ^2 /NDF: 22.3/15

Right Out: 1.671 $\pm$ 4.373 χ^2 /NDF: 19.9/18

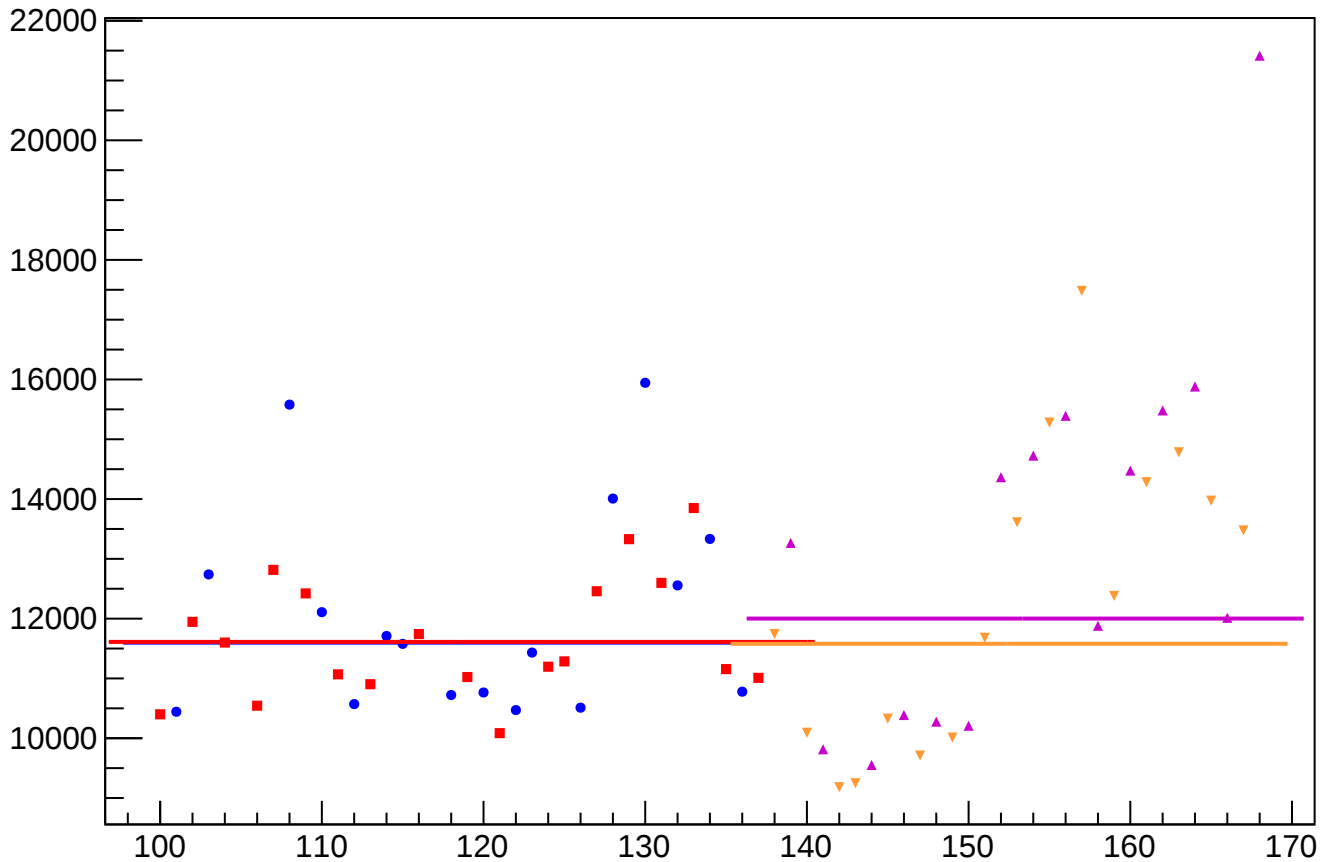
Left In: -3.366 $\pm$ 3.592 χ^2 /NDF: 7.3/14

+ sign -3.651 $\pm$ 2.737 χ^2 /NDF: 39.2/32

All: -2.510 $\pm$ 1.949 χ^2 /NDF: 67.5/66

- sign -1.337 $\pm$ 2.776 χ^2 /NDF: 27.9/33

diff_bpm11X_rms vs Slug



Right In: 11598.751 $\pm$ 3.215 χ^2 /NDF: 235423.8/16

Left Out: 11579.485 $\pm$ 2.424 χ^2 /NDF: 800239.8/15

Right Out: 11610.941 $\pm$ 3.092 χ^2 /NDF: 94447.0/18

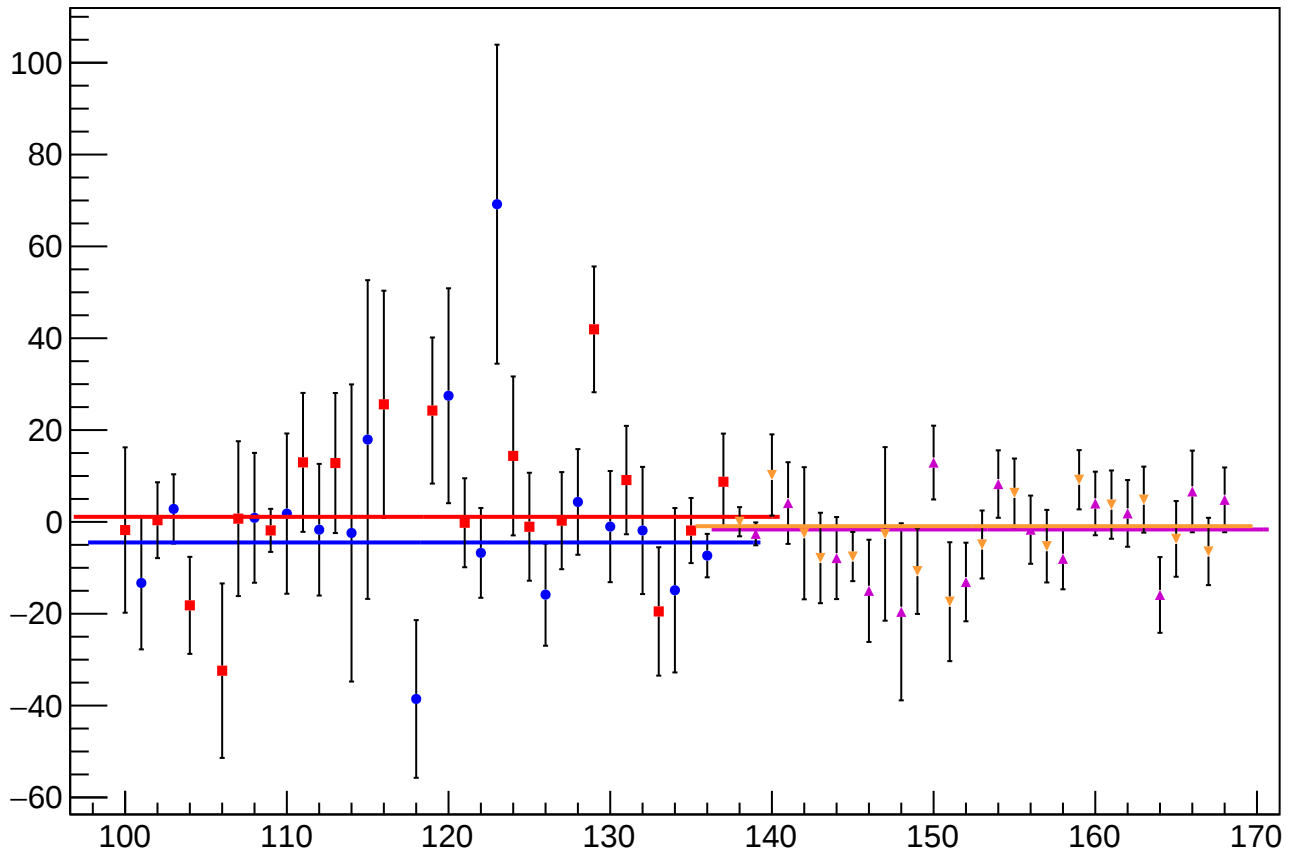
Left In: 12001.126 $\pm$ 2.540 χ^2 /NDF: 1037973.3/14

+ sign 11586.469 $\pm$ 1.936 χ^2 /NDF: 1035686.5/32

All: 11713.412 $\pm$ 1.378 χ^2 /NDF: 2186336.7/6

- sign 11843.925 $\pm$ 1.963 χ^2 /NDF: 1141927.7/33

diff_bpm11Y_mean vs Slug



Right In: -4.476 $\pm$ 2.782 χ^2/NDF : 14.8/16

Left Out: -0.938 $\pm$ 1.743 χ^2/NDF : 12.2/15

Right Out: 1.105 $\pm$ 2.429 χ^2/NDF : 24.0/18

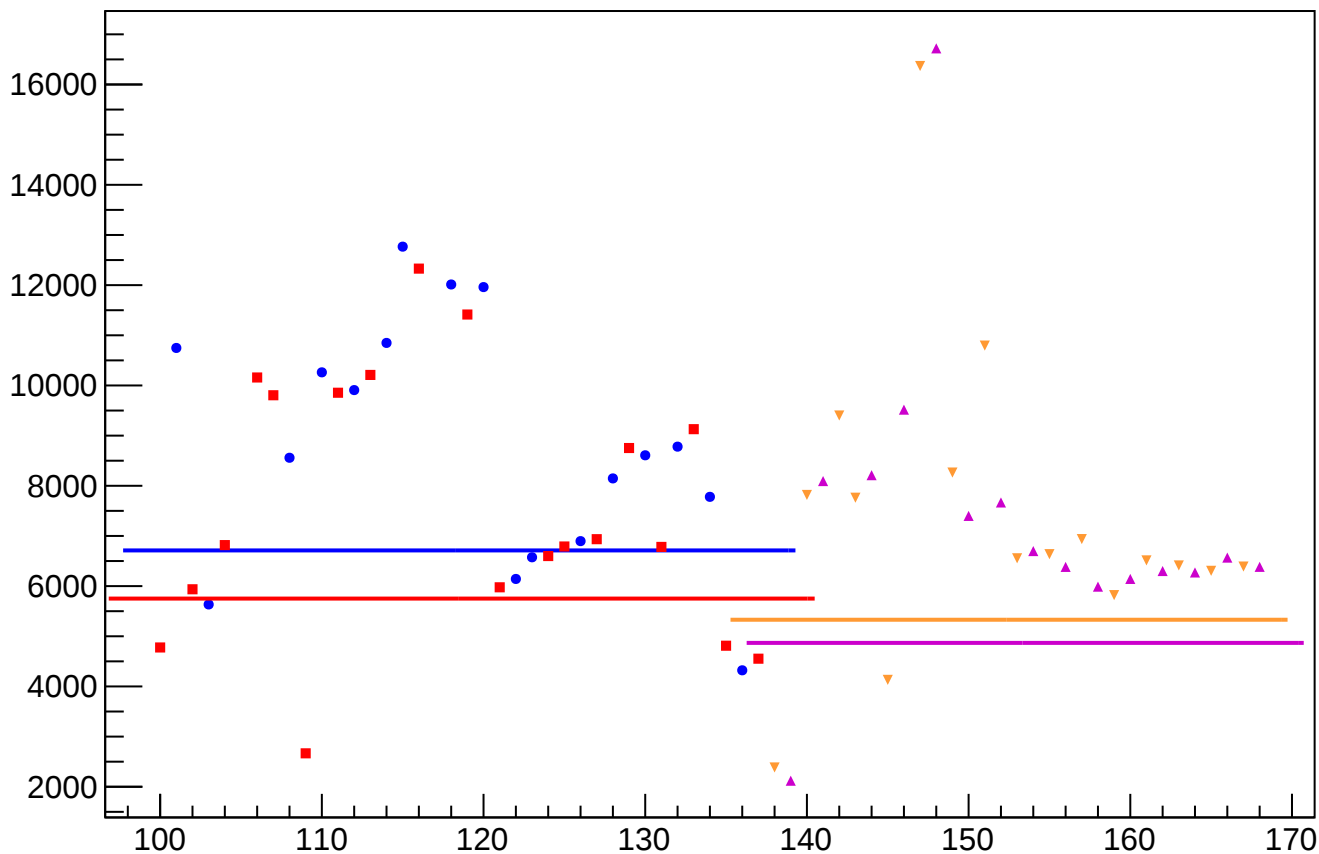
Left In: -1.646 $\pm$ 1.638 χ^2/NDF : 16.8/14

+ sign -1.935 $\pm$ 1.477 χ^2/NDF : 28.2/32

All: -1.313 $\pm$ 1.000 χ^2/NDF : 70.2/66

- sign -0.787 $\pm$ 1.358 χ^2/NDF : 41.7/33

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 5329.678+/-1.233 χ^2/NDF : 3871014.4/15

Right Out: 5751.505+/-1.718 χ^2/NDF : 2165110.0/18

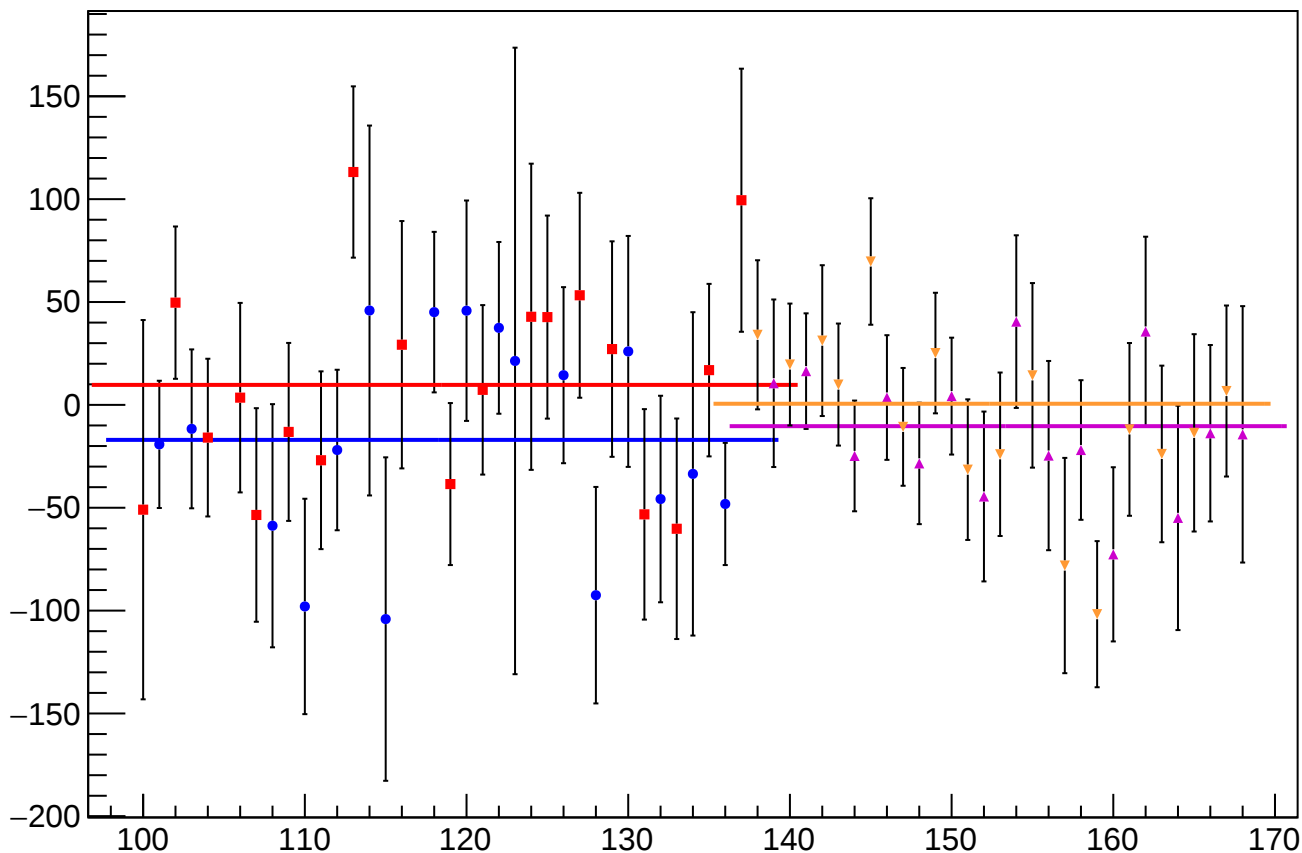
Left In: 4868.156+/-1.158 χ^2/NDF : 5127510.4/14

+ sign 5719.357+/-1.045 χ^2/NDF : 5672371.5/32

All: 5407.617+/-0.707 χ^2/NDF : 13311187.6/6

- sign 5144.206+/-0.960 χ^2/NDF : 7474474.3/33

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 0.553 ± 8.947 χ^2/NDF : 20.4/15

Right Out: 9.719 ± 10.891 χ^2/NDF : 19.1/18

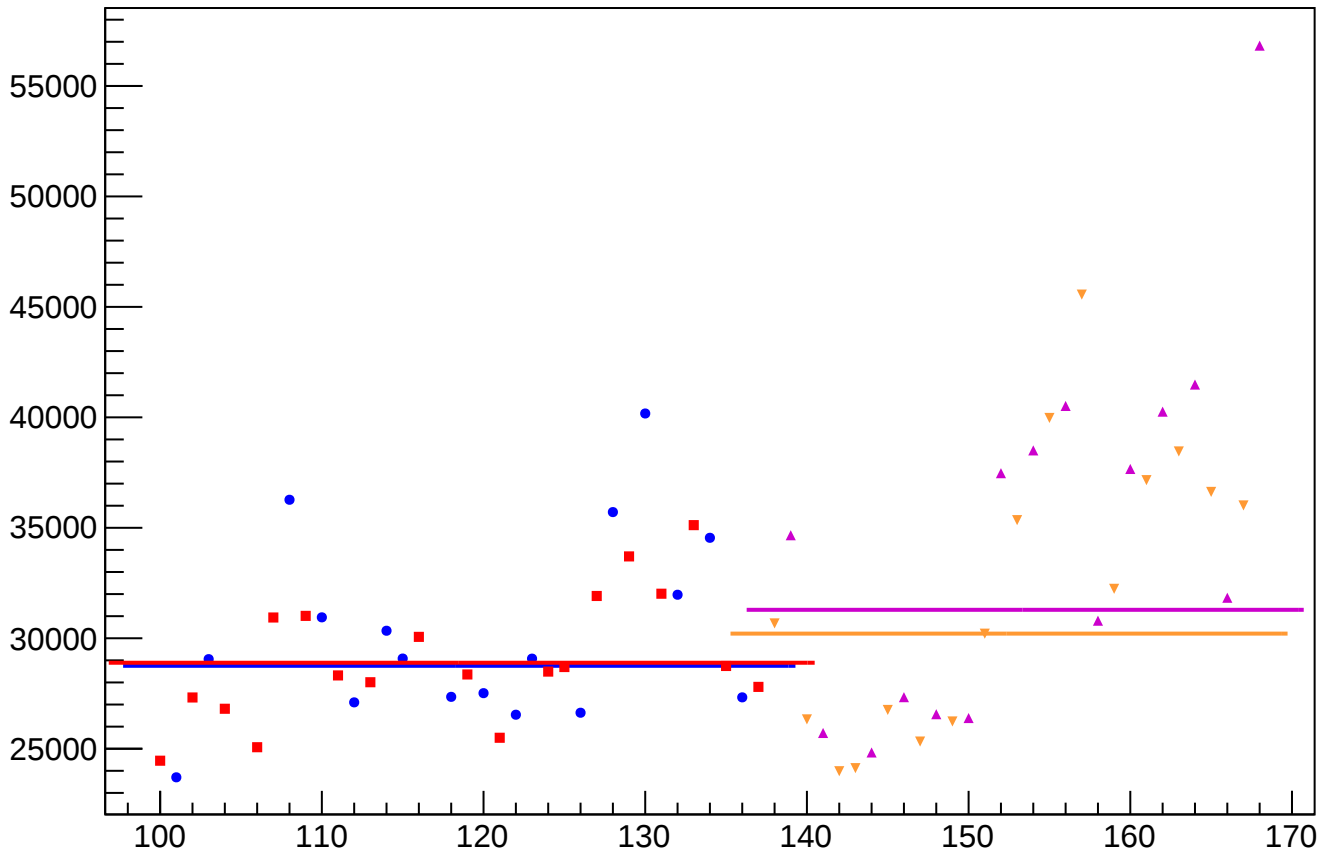
Left In: -10.345 ± 9.370 χ^2/NDF : 8.5/14

+ sign -6.224 ± 7.011 χ^2/NDF : 36.9/32

All: -4.046 ± 4.990 χ^2/NDF : 66.6/66

- sign -1.810 ± 7.103 χ^2/NDF : 29.5/33

diff_bpm12X_rms vs Slug



Right In: 28753.787 ± 7.981 $\chi^2/\text{NDF}: 249215.1/16$

Left Out: 30210.723 ± 6.326 $\chi^2/\text{NDF}: 807034.9/15$

Right Out: 28892.154 ± 7.701 $\chi^2/\text{NDF}: 111241.2/18$

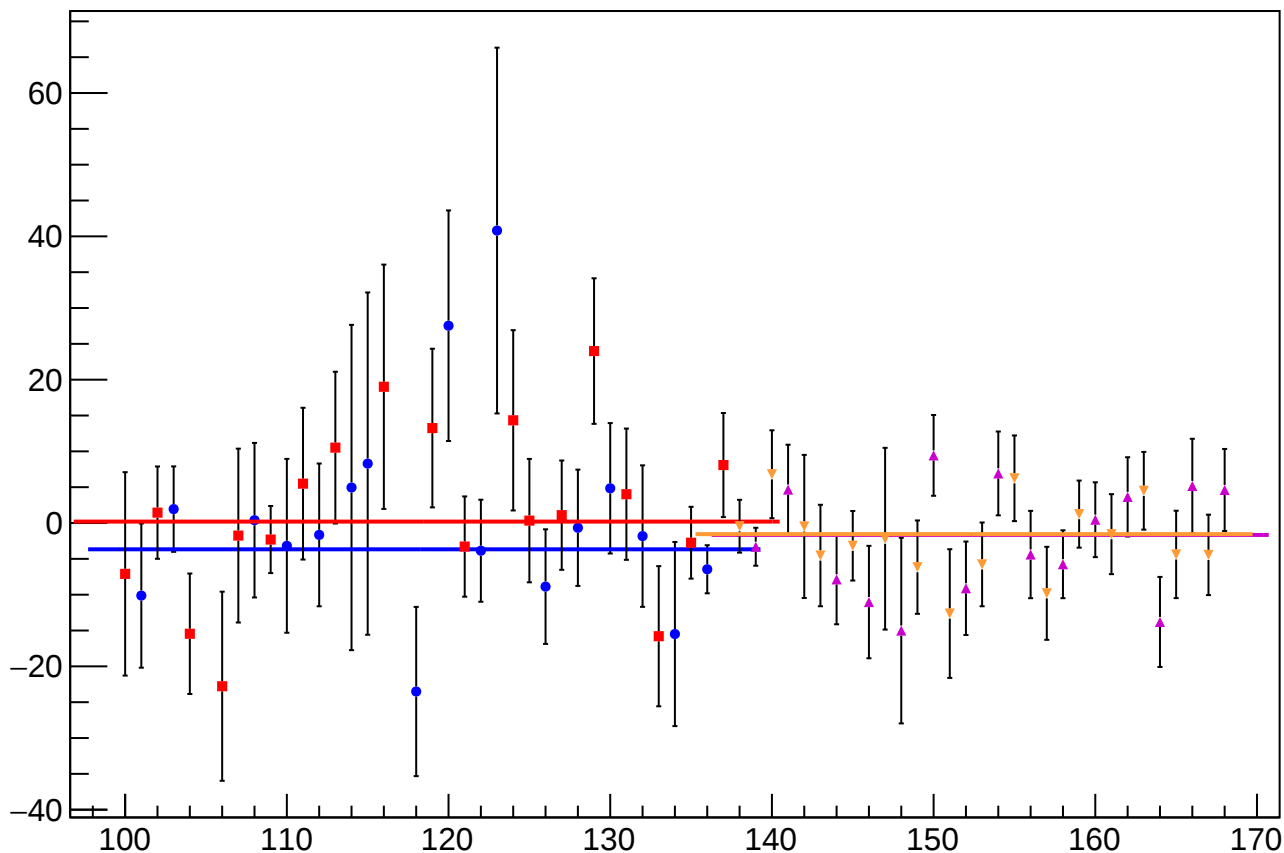
Left In: 31288.001 ± 6.626 $\chi^2/\text{NDF}: 1064622.1/14$

+ sign 29648.536 ± 4.958 $\chi^2/\text{NDF}: 1076714.8/32$

All: 29954.661 ± 3.528 $\chi^2/\text{NDF}: 2315921.5/6$

- sign 30268.846 ± 5.023 $\chi^2/\text{NDF}: 1231481.1/33$

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.553 ± 1.464 χ^2/NDF : 10.2/15

Right Out: 0.199 ± 1.893 χ^2/NDF : 22.3/18

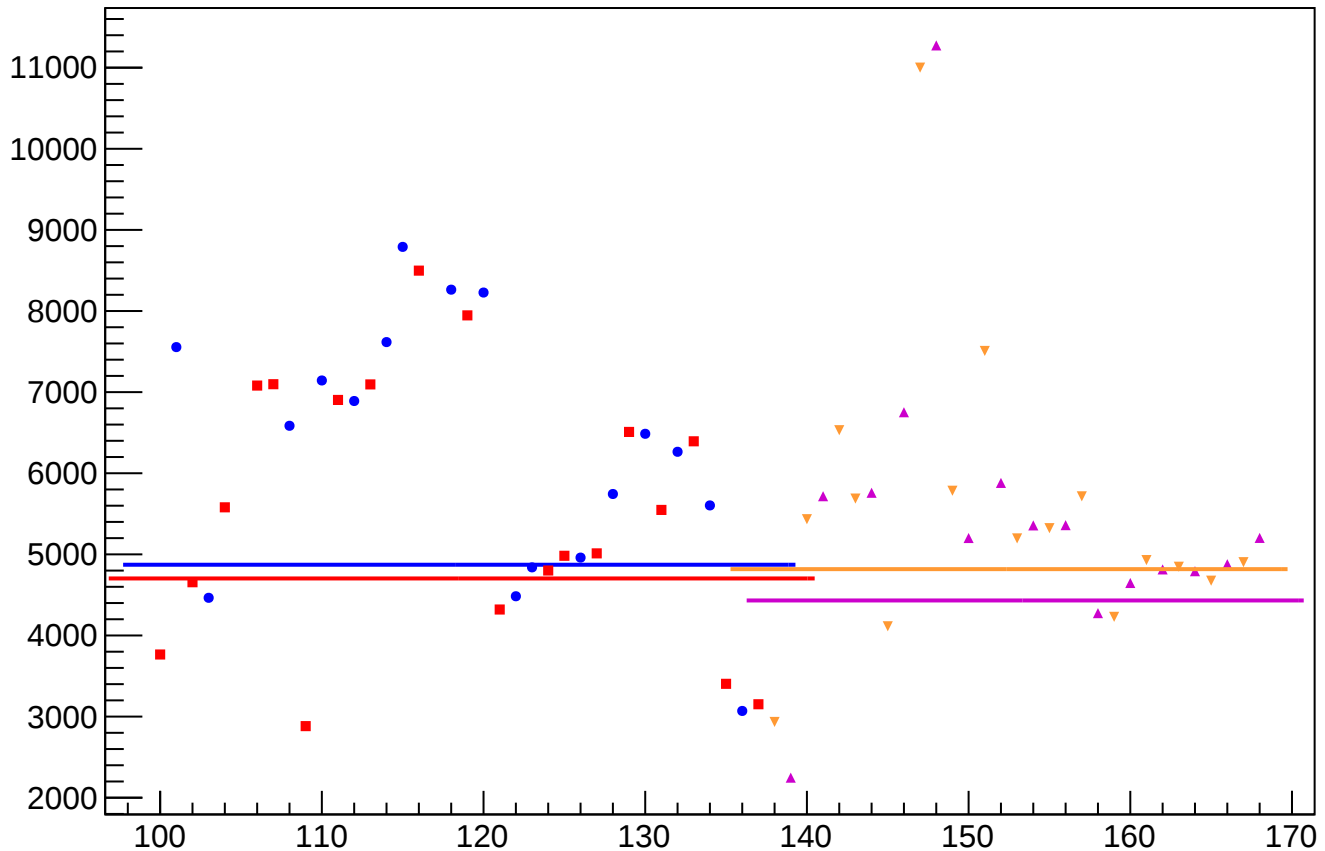
Left In: -1.665 ± 1.387 χ^2/NDF : 20.3/14

+ sign -2.286 ± 1.183 χ^2/NDF : 25.4/32

All: -1.614 ± 0.813 χ^2/NDF : 69.2/66

- sign -1.014 ± 1.119 χ^2/NDF : 43.2/33

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4817.837+/-1.035 χ^2/NDF : 1468255.6/15

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

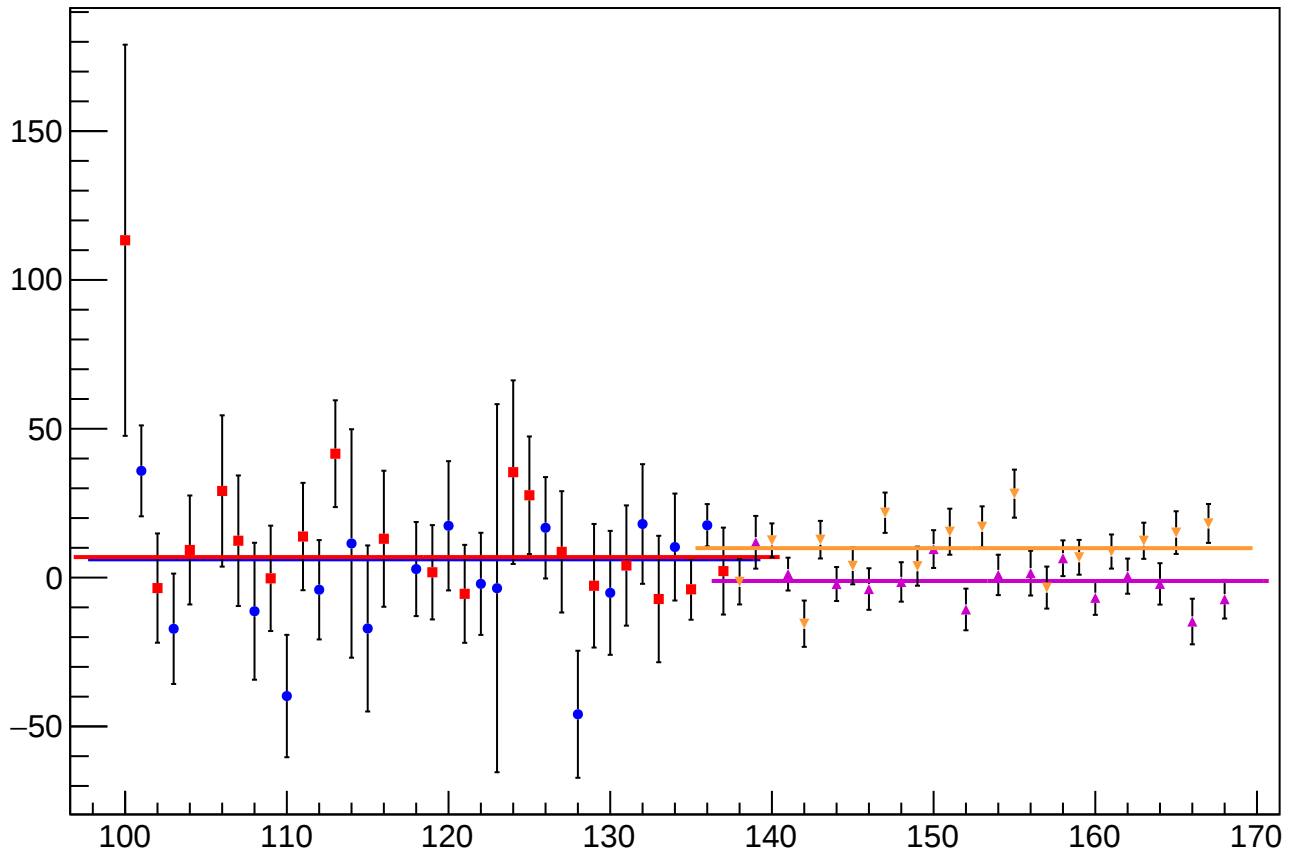
Left In: 4431.681+/-0.981 χ^2/NDF : 2569869.6/14

+ sign 4836.656+/-0.837 χ^2/NDF : 2874461.4/32

All: 4672.818+/-0.575 χ^2/NDF : 6856364.7/60

- sign 4526.452+/-0.791 χ^2/NDF : 3909332.6/33

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 9.892 ± 1.659 χ^2/NDF : 31.0/15

Right Out: 6.892 ± 4.224 χ^2/NDF : 12.5/18

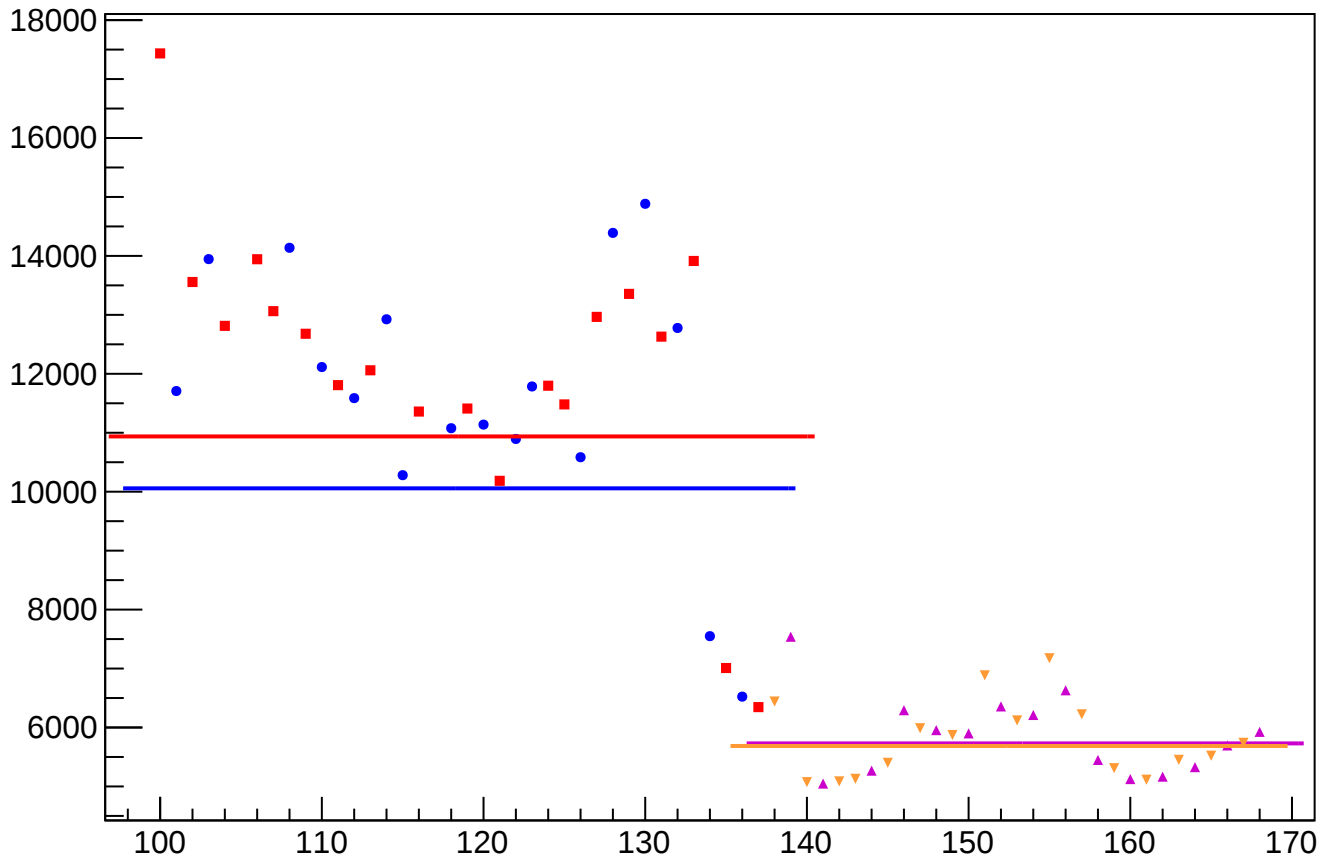
Left In: -1.143 ± 1.685 χ^2/NDF : 14.2/14

+ sign 9.359 ± 1.536 χ^2/NDF : 54.0/32

All: 4.745 ± 1.096 χ^2/NDF : 102.1/66

- sign -0.041 ± 1.565 χ^2/NDF : 29.8/33

diff_bpm16X_rms vs Slug



Right In: 10056.991+/-2.885 χ^2/NDF : 1002872.6/16

Left Out: 5686.378+/-1.173 χ^2/NDF :247920.4/15

Right Out: 10937.573+/-2.987 χ^2/NDF : 762909.5/18

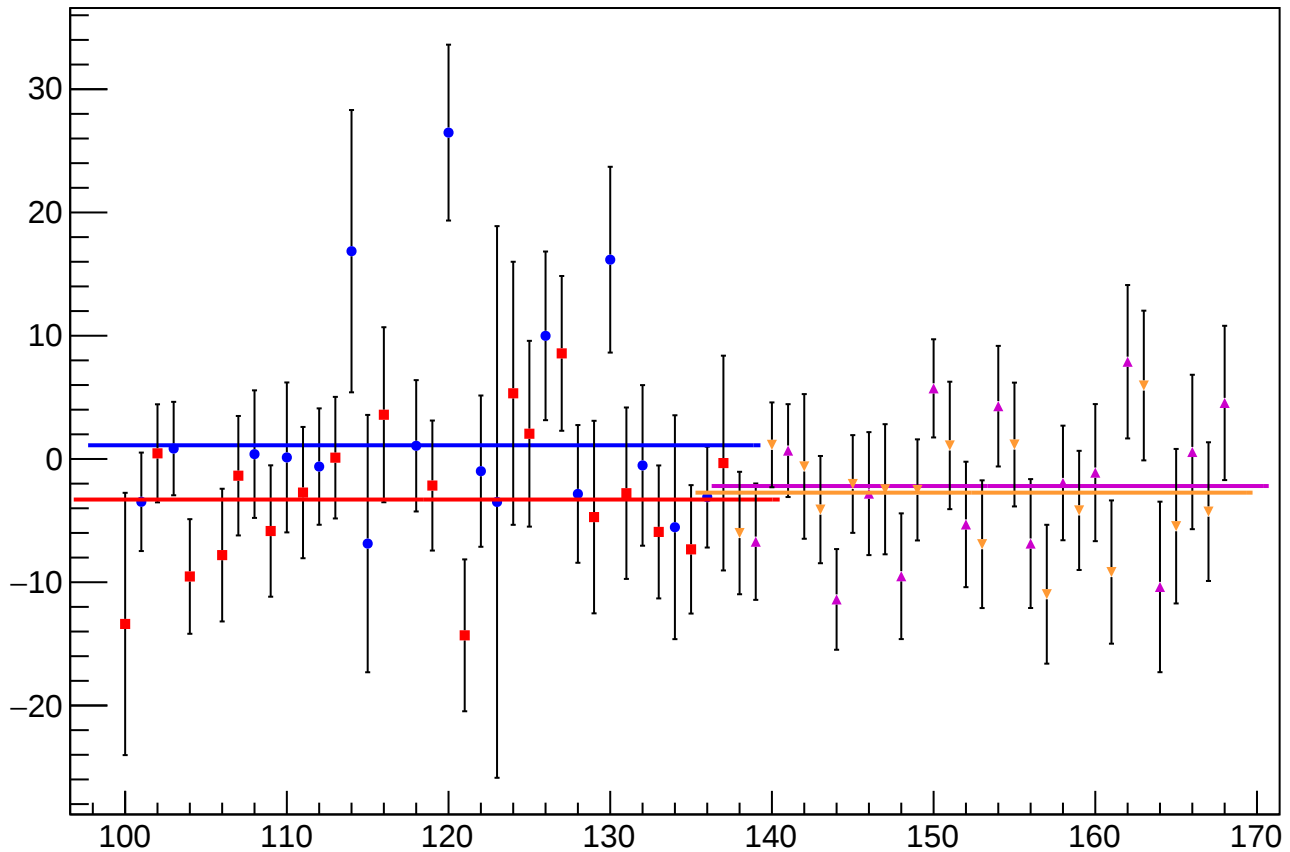
Left In: 5730.314+/-1.191 χ^2/NDF :252157.9/14

+ sign 6306.161+/-1.086 χ^2/NDF : 3220208.5/32

All: 6374.209+/-0.775 χ^2/NDF : 6865216.6/60

- sign 6444.786+/-1.106 χ^2/NDF : 3637016.6/33

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.732 ± 1.223 χ^2/NDF : 9.5/15

Right Out: -3.290 ± 1.334 χ^2/NDF : 15.1/18

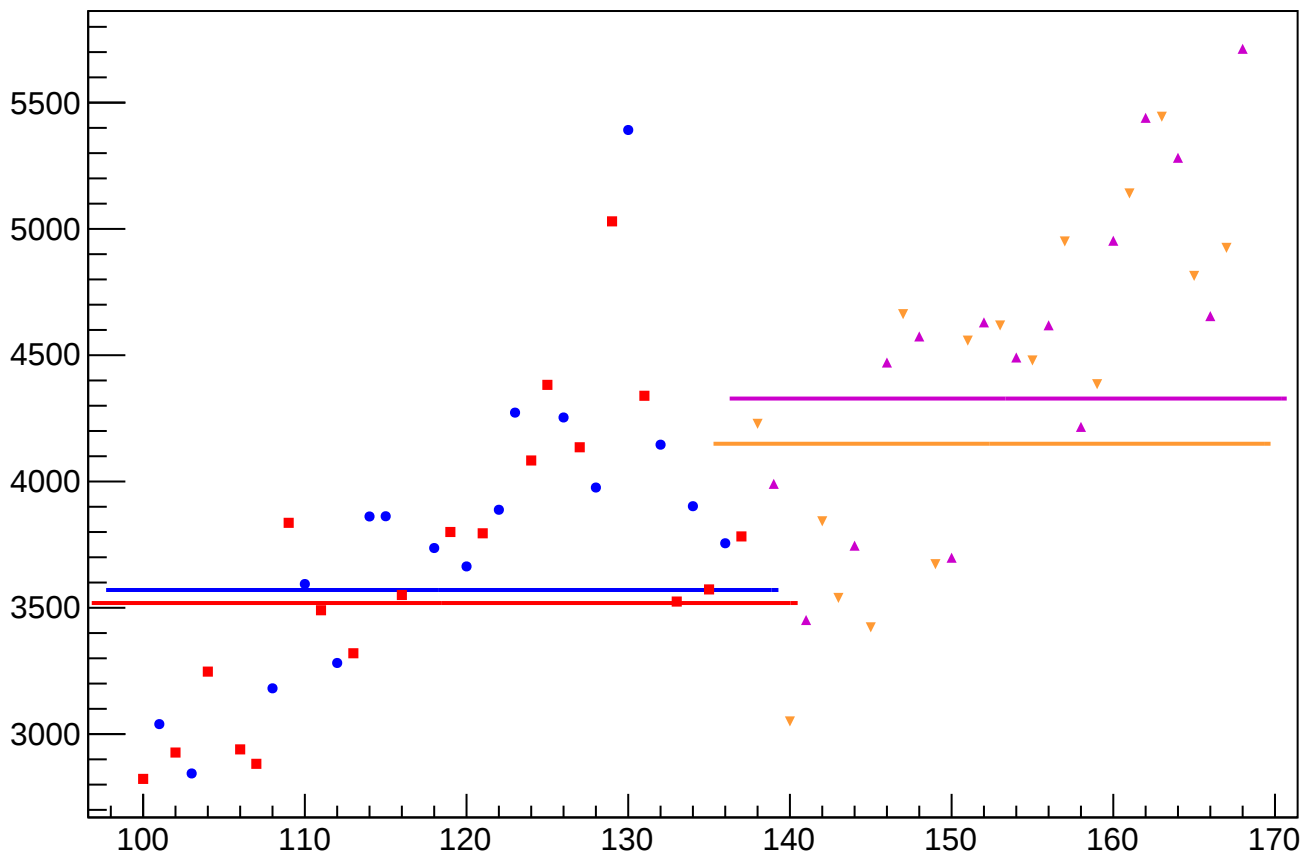
Left In: -2.194 ± 1.280 χ^2/NDF : 20.9/14

+ sign -1.071 ± 0.922 χ^2/NDF : 38.4/32

All: -1.894 ± 0.652 χ^2/NDF : 76.4/66

- sign -2.720 ± 0.924 χ^2/NDF : 36.4/33

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4149.485+/-0.865 χ^2/NDF : 654727.8/15

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

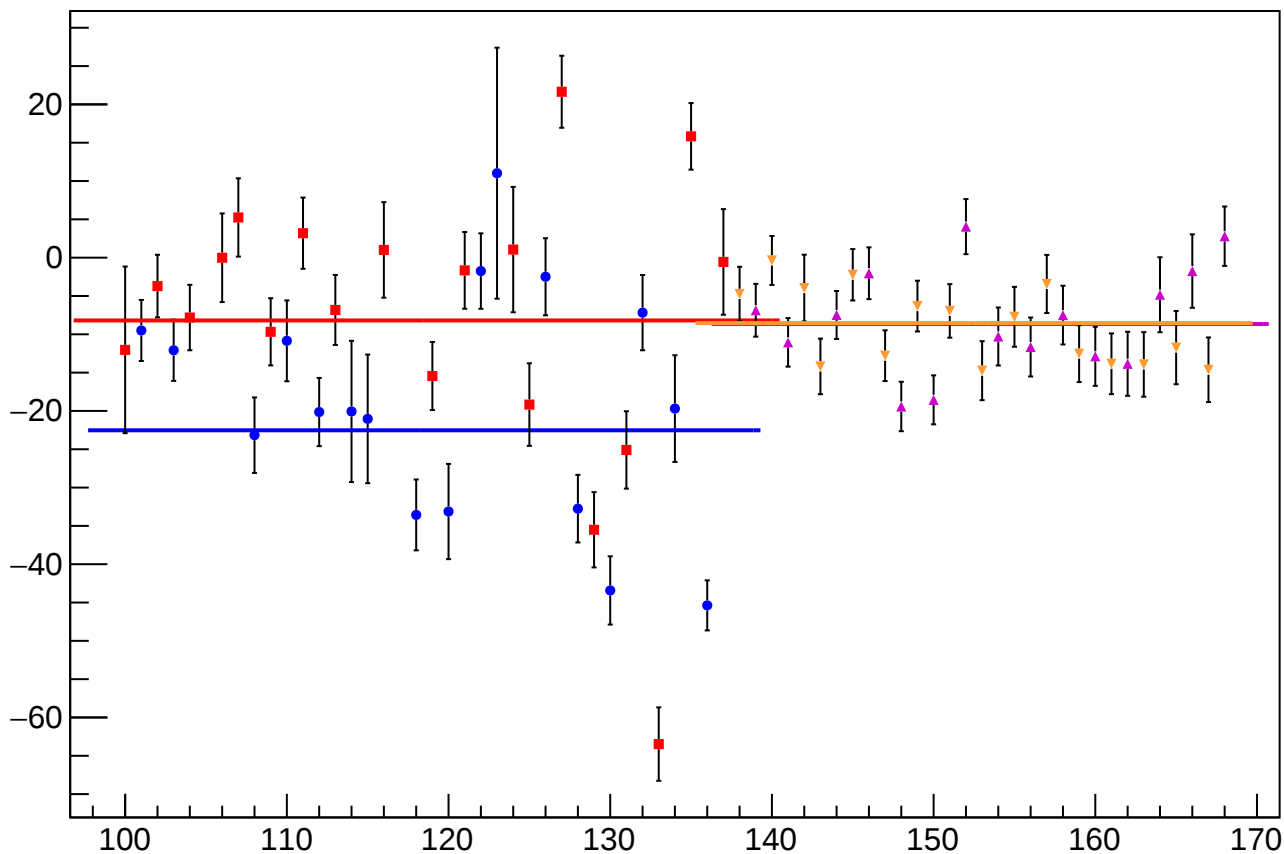
Left In: 4328.403+/-0.905 χ^2/NDF : 462482.4/14

+ sign 3899.365+/-0.652 χ^2/NDF : 1157955.5/32

All: 3919.754+/-0.461 χ^2/NDF : 2299334.4/66

- sign 3940.210+/-0.653 χ^2/NDF : 1139419.6/33

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -8.541 ± 0.931 χ^2/NDF : 28.7/15

Right Out: -8.192 ± 1.157 χ^2/NDF : 275.8/18

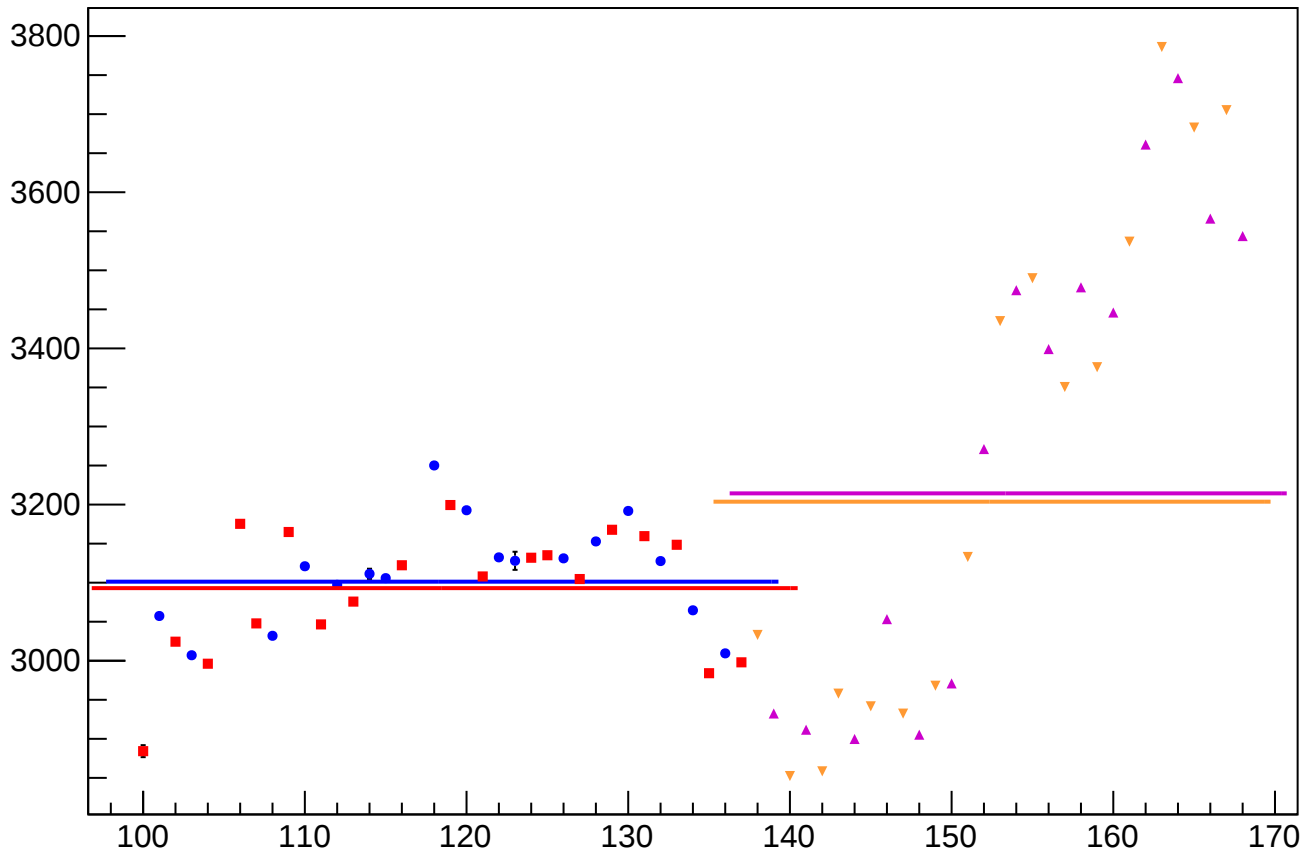
Left In: -8.660 ± 0.942 χ^2/NDF : 53.1/14

+ sign -13.789 ± 0.735 χ^2/NDF : 268.9/32

All: -11.113 ± 0.518 χ^2/NDF : 624.3/66

- sign -8.473 ± 0.730 χ^2/NDF : 329.0/33

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 3203.708+/-0.658 χ^2/NDF : 213134.6/15

Right Out: 3092.993+/-0.818 χ^2/NDF : 7766.0/18

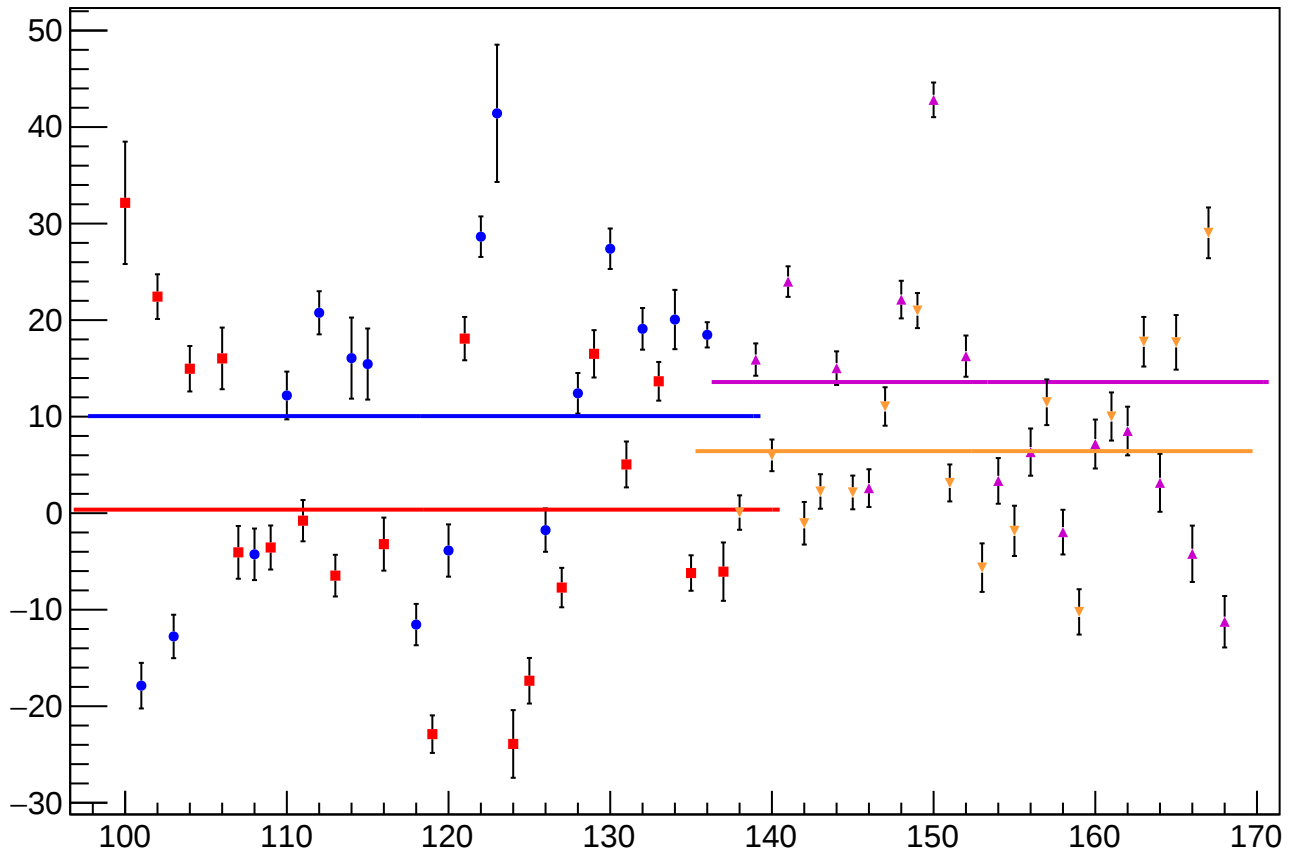
Left In: 3214.360+/-0.666 χ^2/NDF : 189394.4/14

+ sign 3165.261+/-0.520 χ^2/NDF : 229464.5/32

All: 3165.624+/-0.366 χ^2/NDF : 439863.2/66

- sign 3165.982+/-0.516 χ^2/NDF : 210397.8/33

diff_bpm0l01Y_mean vs Slug



Right In: 10.055+/-0.562 χ^2/NDF : 692.2/16

Left Out: 6.428+/-0.526 χ^2/NDF : 307.8/15

Right Out: 0.367+/-0.547 χ^2/NDF : 629.8/18

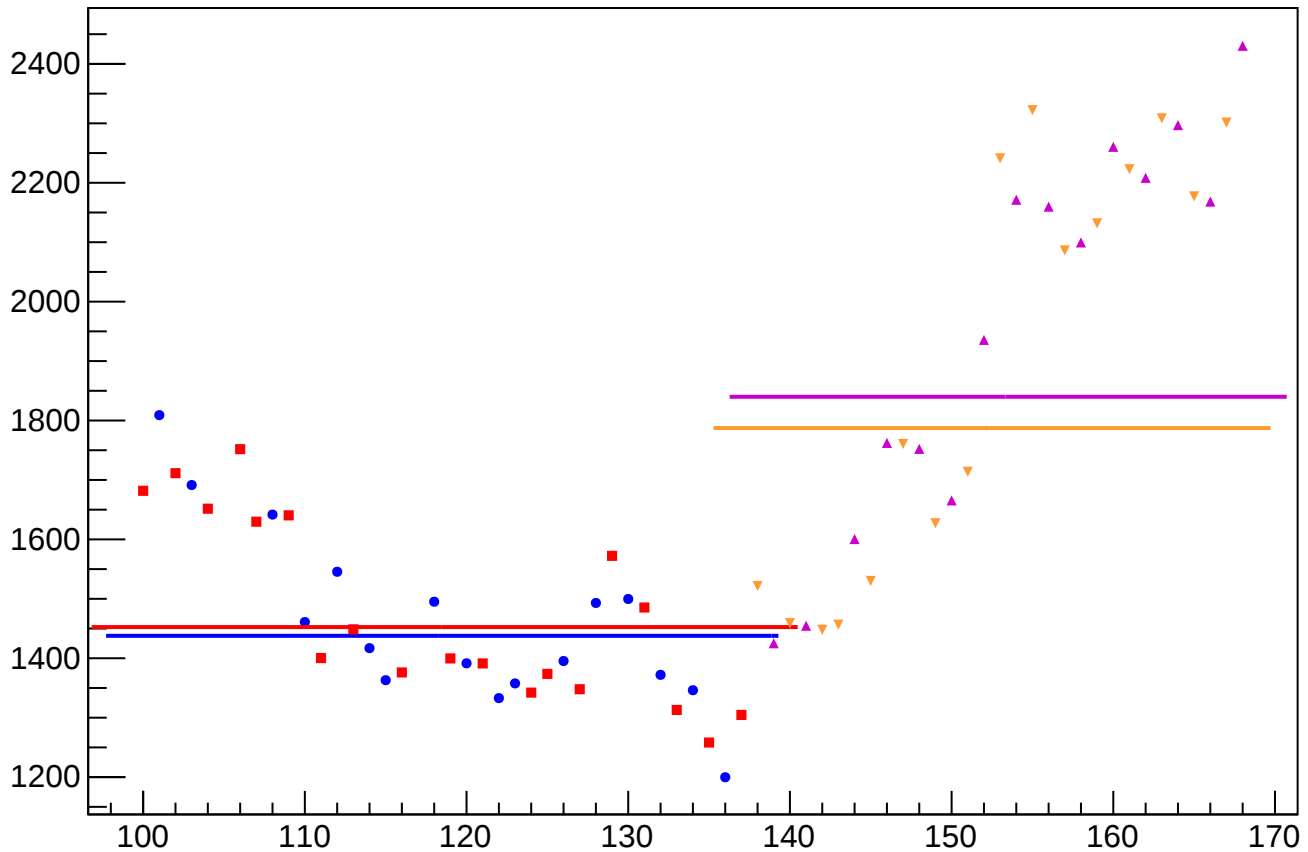
Left In: 13.586+/-0.546 χ^2/NDF : 582.5/14

+ sign 8.124+/-0.384 χ^2/NDF : 1022.2/32

All: 7.560+/-0.272 χ^2/NDF : 2531.4/66

- sign 6.989+/-0.386 χ^2/NDF : 1504.9/33

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776+/-0.397 χ^2/NDF : 173216.2/16

Left Out: 1787.318+/-0.372 χ^2/NDF : 784812.2/15

Right Out: 1452.469+/-0.387 χ^2/NDF : 138605.8/18

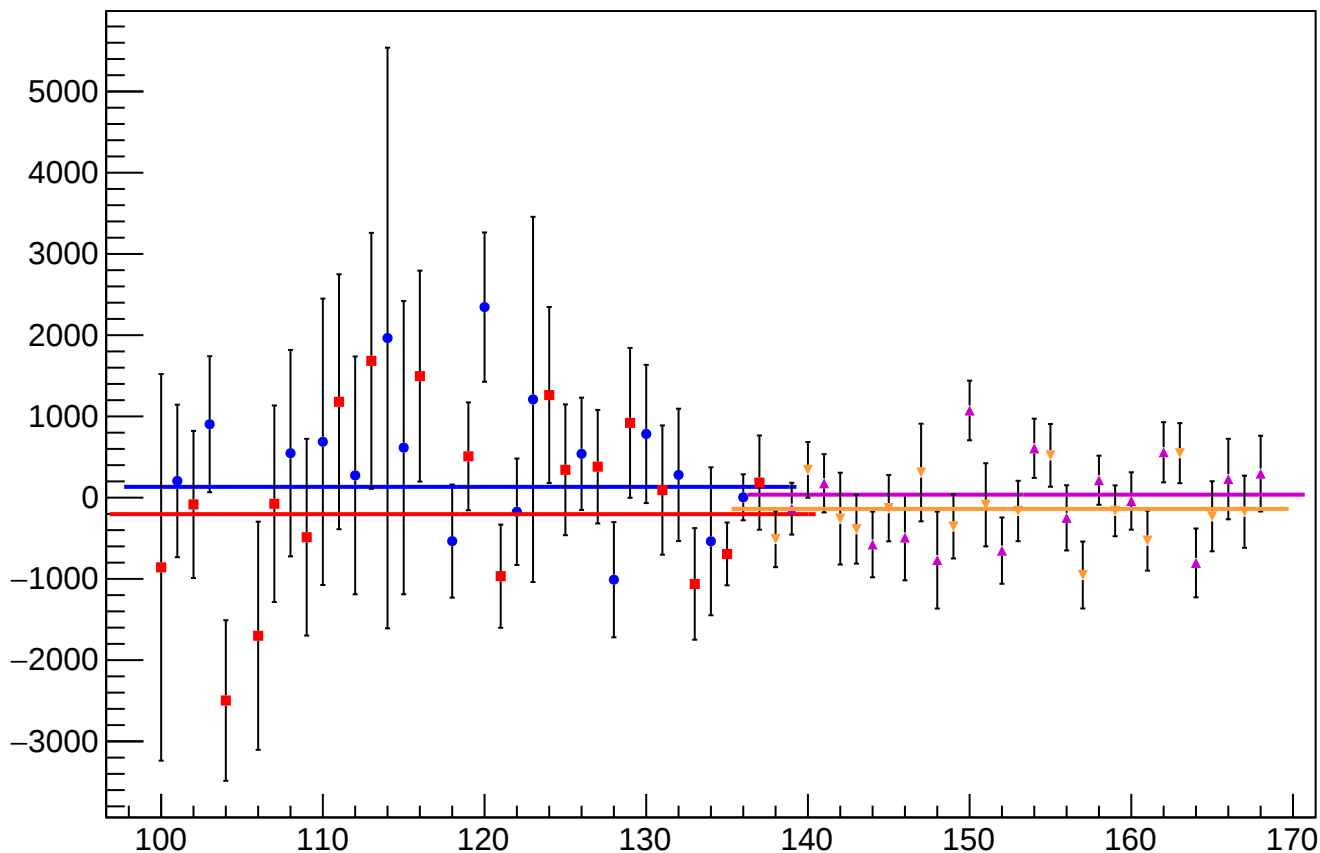
Left In: 1839.944+/-0.386 χ^2/NDF : 675215.8/14

+ sign 1623.854+/-0.272 χ^2/NDF : 1370408.1/32

All: 1635.146+/-0.193 χ^2/NDF : 2690395.7/60

- sign 1646.576+/-0.273 χ^2/NDF : 1316509.2/33

asym_sam1_mean vs Slug



Right In: 132.921 ± 180.271 χ^2/NDF : 12.9/16

Left Out: -138.206 ± 100.166 χ^2/NDF : 15.8/15

Right Out: -203.062 ± 184.353 χ^2/NDF : 21.4/18

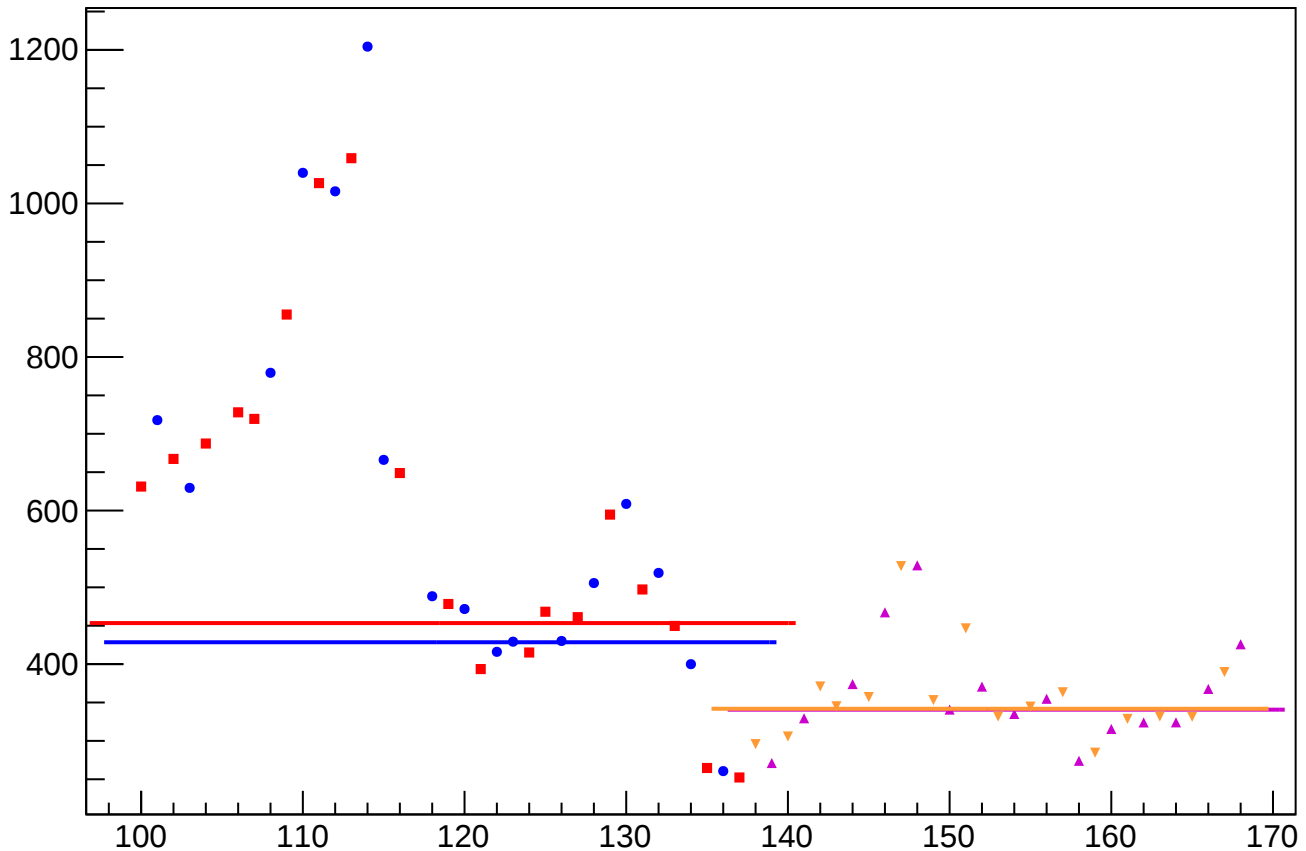
Left In: 36.910 ± 101.131 χ^2/NDF : 26.1/14

+ sign -74.246 ± 87.557 χ^2/NDF : 30.4/32

All: -46.773 ± 62.301 χ^2/NDF : 79.5/66

- sign -18.601 ± 88.666 χ^2/NDF : 48.8/33

asym_sam1_rms vs Slug



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 341.857 $\pm$ 0.071 χ^2 /NDF:444193.8/15

Right Out: 453.435 $\pm$ 0.130 χ^2 /NDF: 2029813.8/18

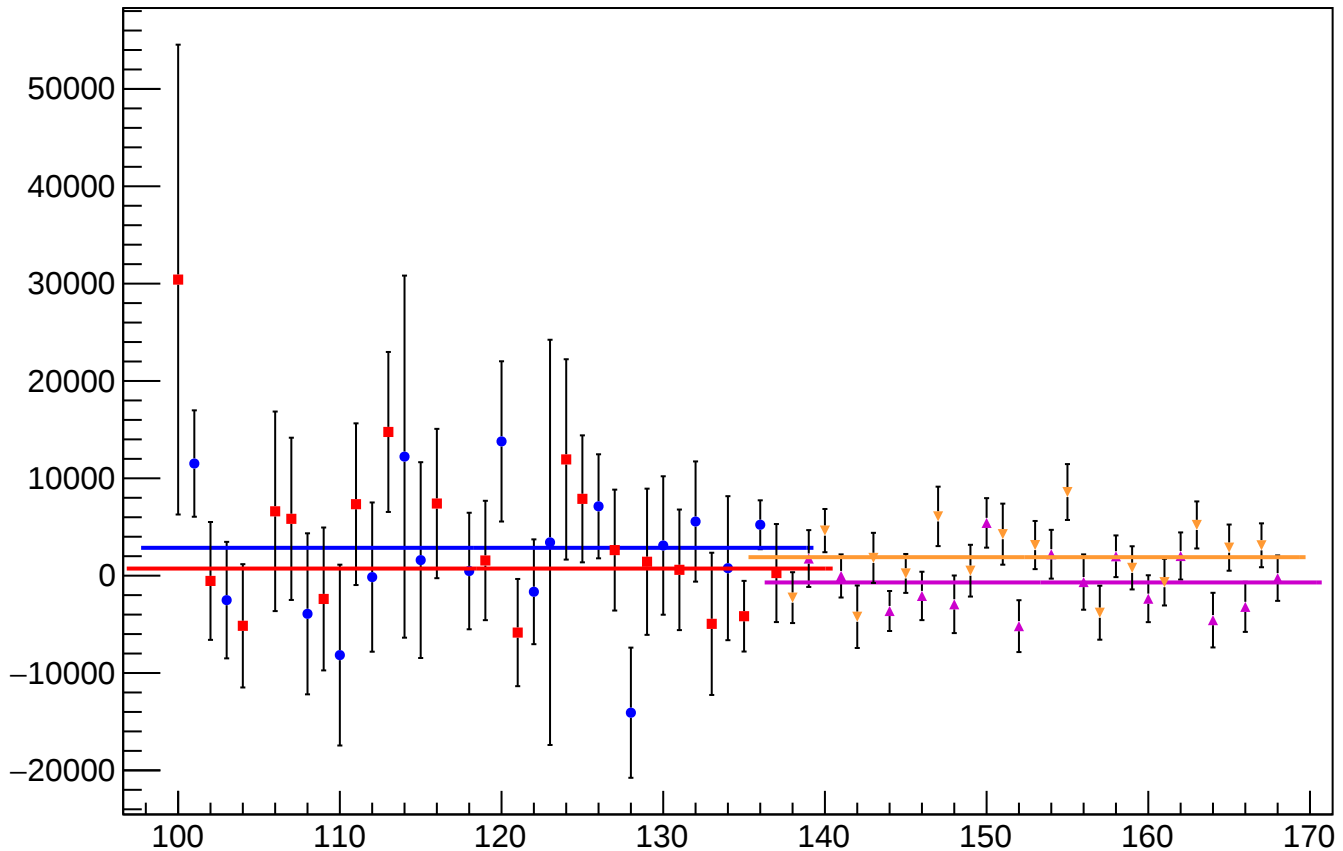
Left In: 340.662 $\pm$ 0.072 χ^2 /NDF:625569.0/14

+ sign 362.287 $\pm$ 0.062 χ^2 /NDF: 2808339.7/32

All: 364.490 $\pm$ 0.044 χ^2 /NDF: 6041573.8/66

- sign 366.749 $\pm$ 0.063 χ^2 /NDF: 3230669.8/33

asym_sam2_mean vs Slug



Right In: 2859.622 ± 1447.884 χ^2/NDF : 16.7/16

Left Out: 1899.028 ± 627.957 χ^2/NDF : 24.8/15

Right Out: 729.571 ± 1509.224 χ^2/NDF : 14.0/18

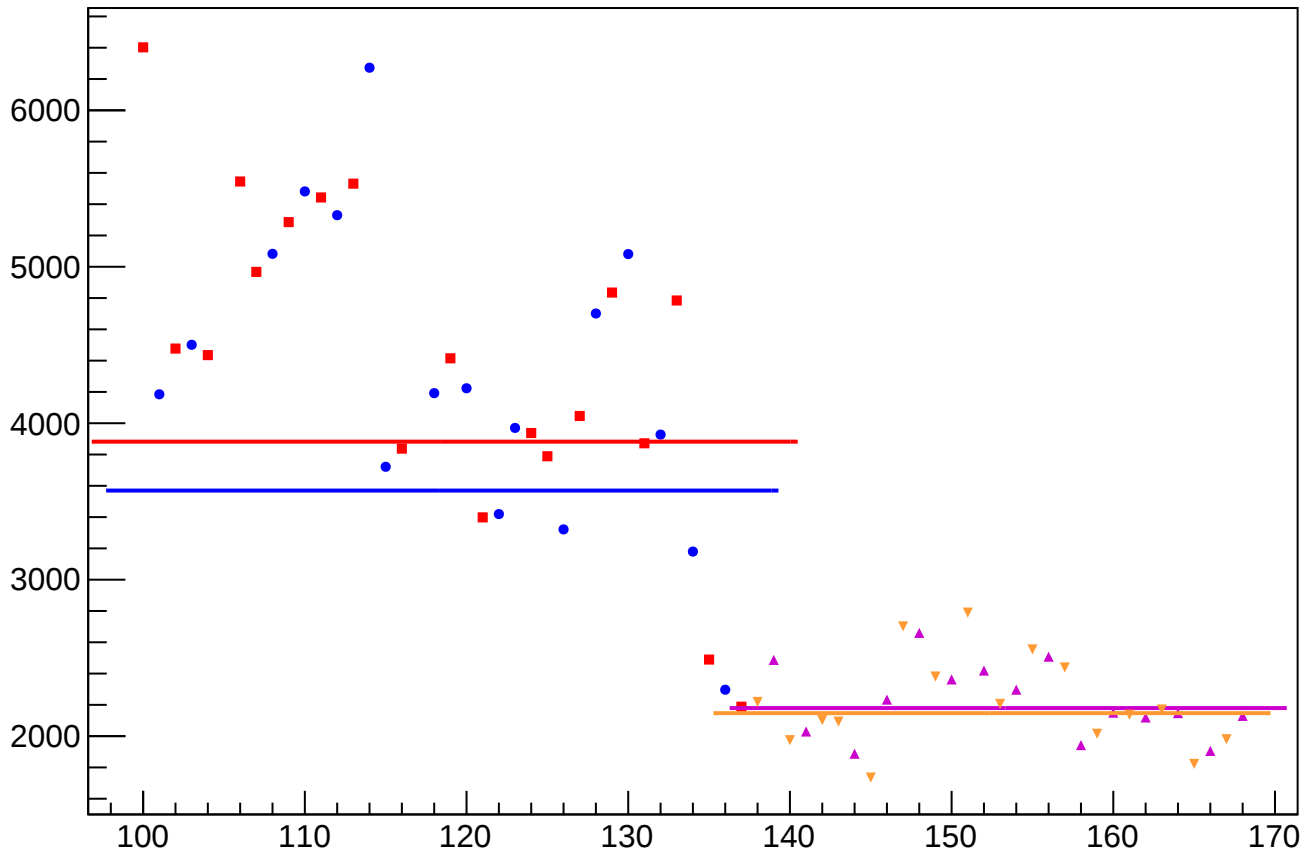
Left In: -697.263 ± 640.799 χ^2/NDF : 19.9/14

+ sign 2051.110 ± 576.107 χ^2/NDF : 41.8/32

All: 815.680 ± 412.137 χ^2/NDF : 85.8/66

- sign -479.328 ± 589.835 χ^2/NDF : 34.6/33

asym_sam2_rms vs Slug



Right In: 3569.631 $\pm$ 1.024 χ^2 /NDF: 1087935.4/16

Left Out: 2146.919 $\pm$ 0.444 χ^2 /NDF: 384485.0/15

Right Out: 3882.169 $\pm$ 1.067 χ^2 /NDF: 983087.5/18

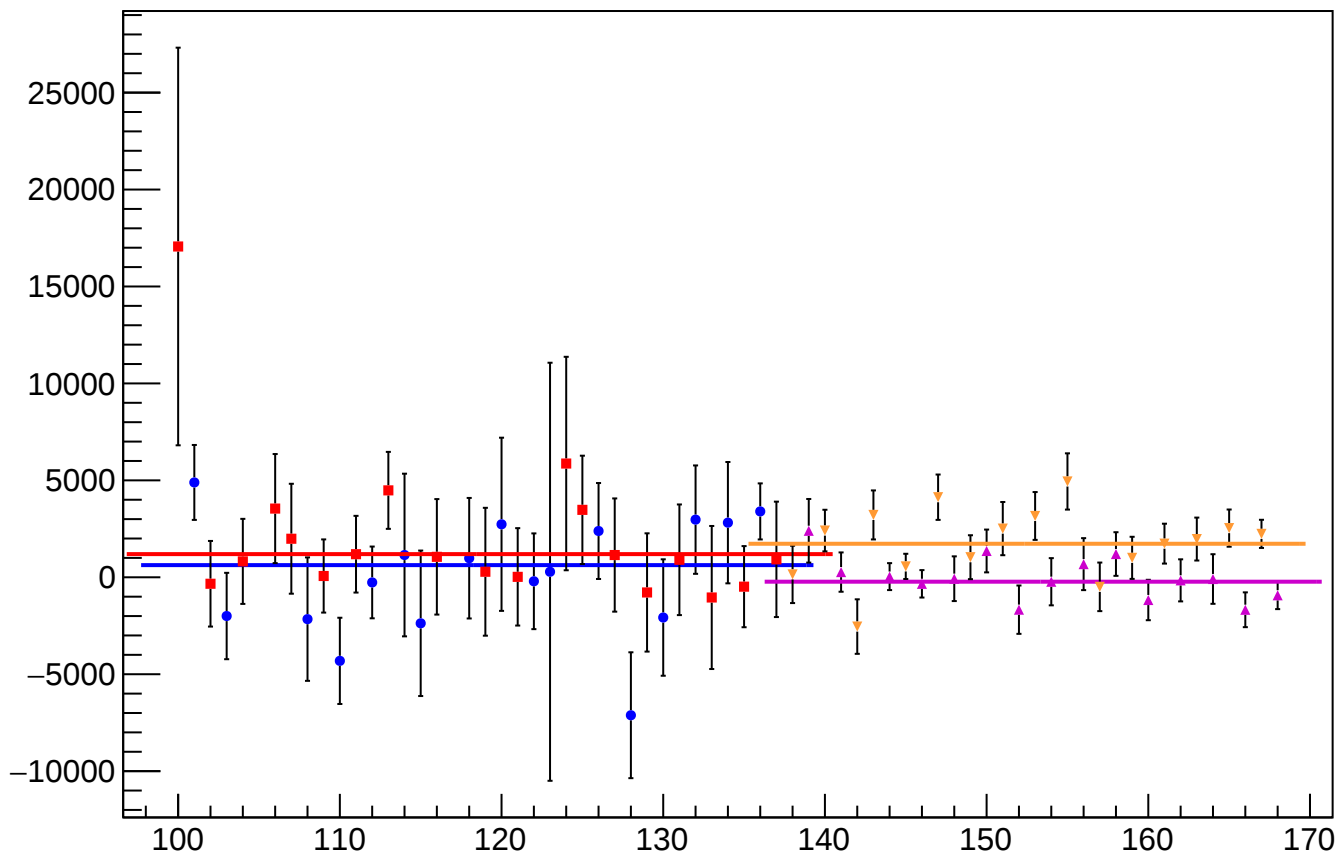
Left In: 2179.478 $\pm$ 0.453 χ^2 /NDF: 232765.2/14

+ sign 2372.164 $\pm$ 0.407 χ^2 /NDF: 3097757.1/32

All: 2405.062 $\pm$ 0.291 χ^2 /NDF: 6483771.5/66

- sign 2439.547 $\pm$ 0.417 χ^2 /NDF: 3372656.1/33

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1729.248 ± 265.115 χ^2/NDF : 31.4/15

Right Out: 1195.385 ± 603.058 χ^2/NDF : 9.9/18

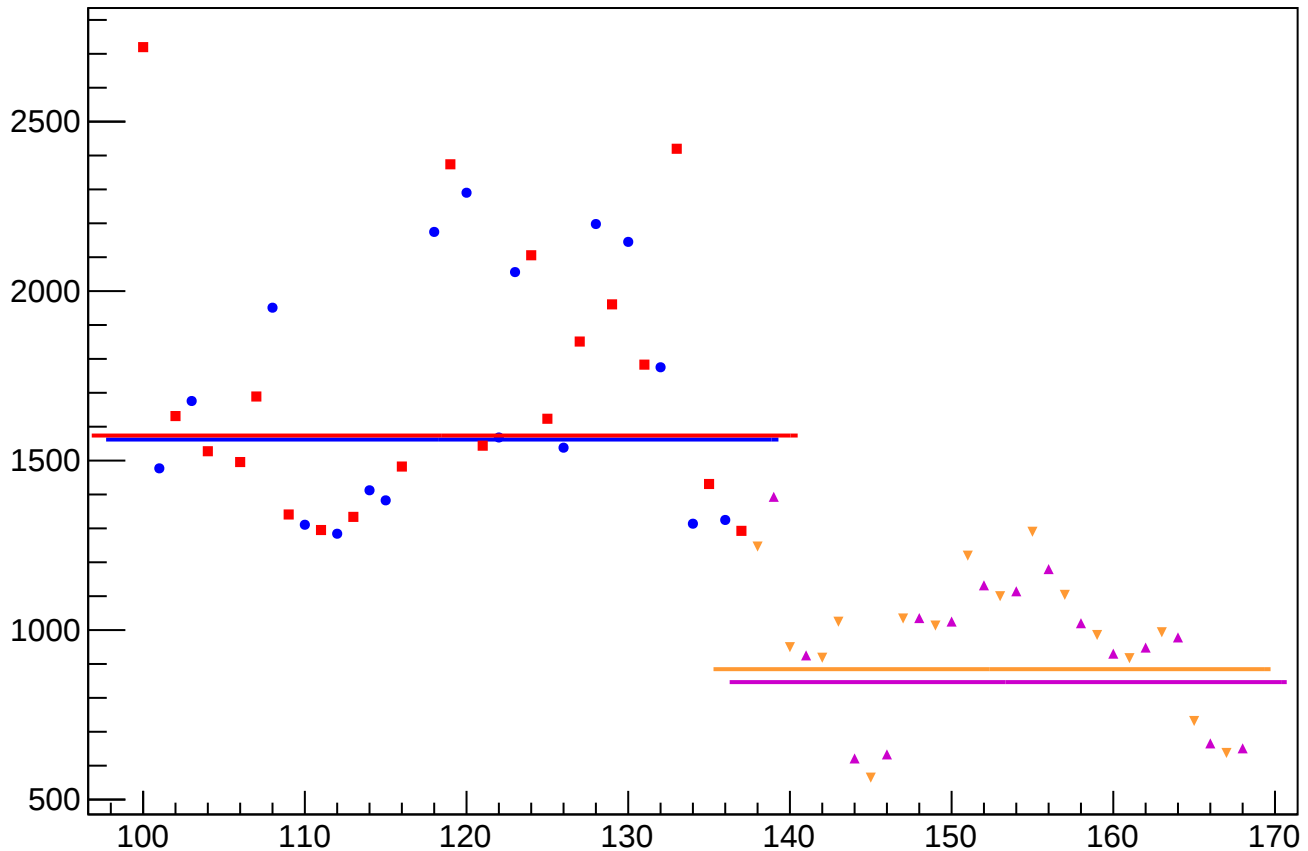
Left In: -227.325 ± 256.184 χ^2/NDF : 12.9/14

+ sign 1559.393 ± 243.821 χ^2/NDF : 59.1/32

All: 748.516 ± 169.497 χ^2/NDF : 108.0/66

- sign -9.829 ± 235.790 χ^2/NDF : 27.5/33

asym_sam3_rms vs Slug



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 884.673 $\pm$ 0.187 χ^2 /NDF: 1414010.8/15

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

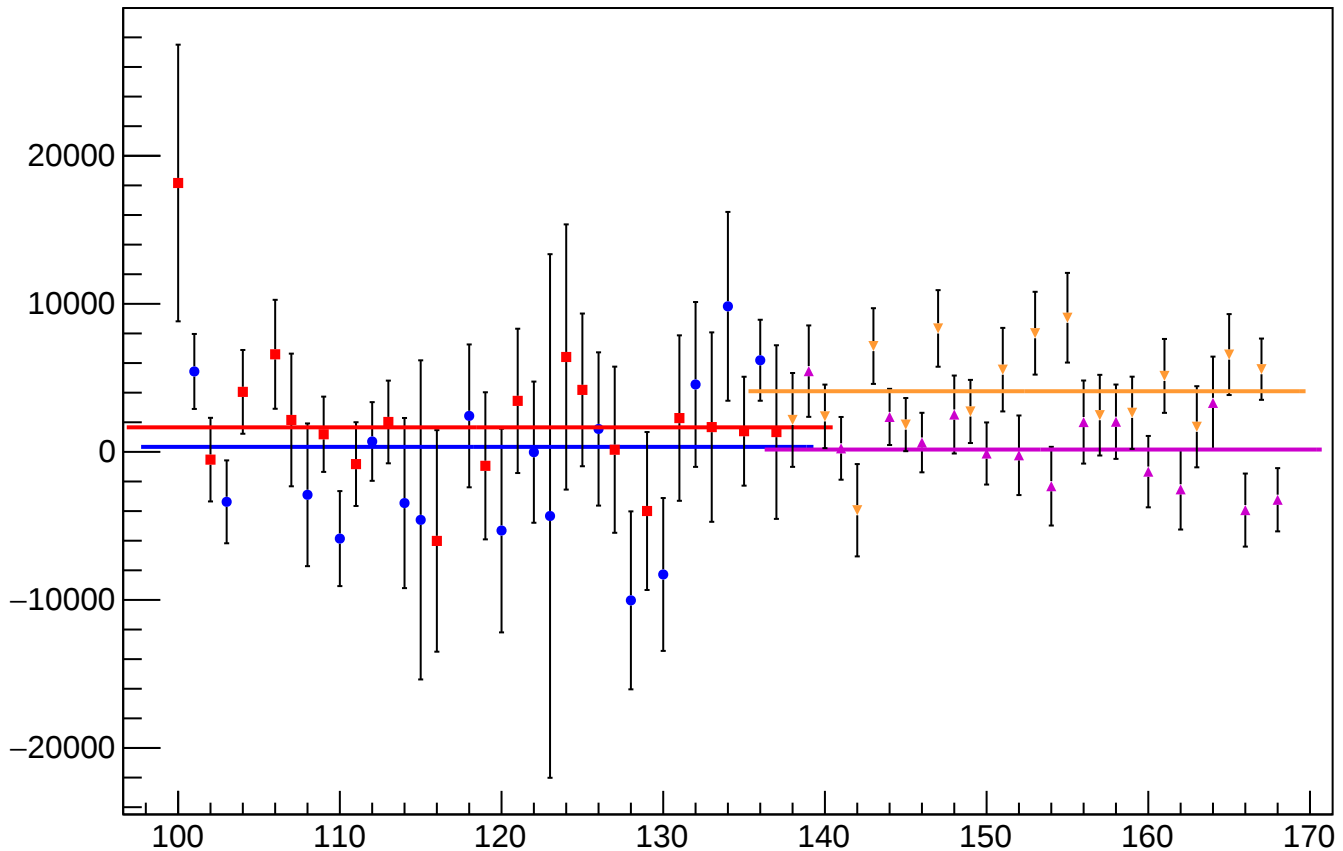
Left In: 846.495 $\pm$ 0.181 χ^2 /NDF: 1388111.1/14

+ sign 989.126 $\pm$ 0.172 χ^2 /NDF: 3909570.4/32

All: 972.886 $\pm$ 0.120 χ^2 /NDF: 8243858.3/66

- sign 957.698 $\pm$ 0.167 χ^2 /NDF: 4317117.2/33

asym_sam4_mean vs Slug



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 4097.061 ± 622.804 χ^2/NDF : 21.6/15

Right Out: 1658.069 ± 924.453 χ^2/NDF : 10.3/18

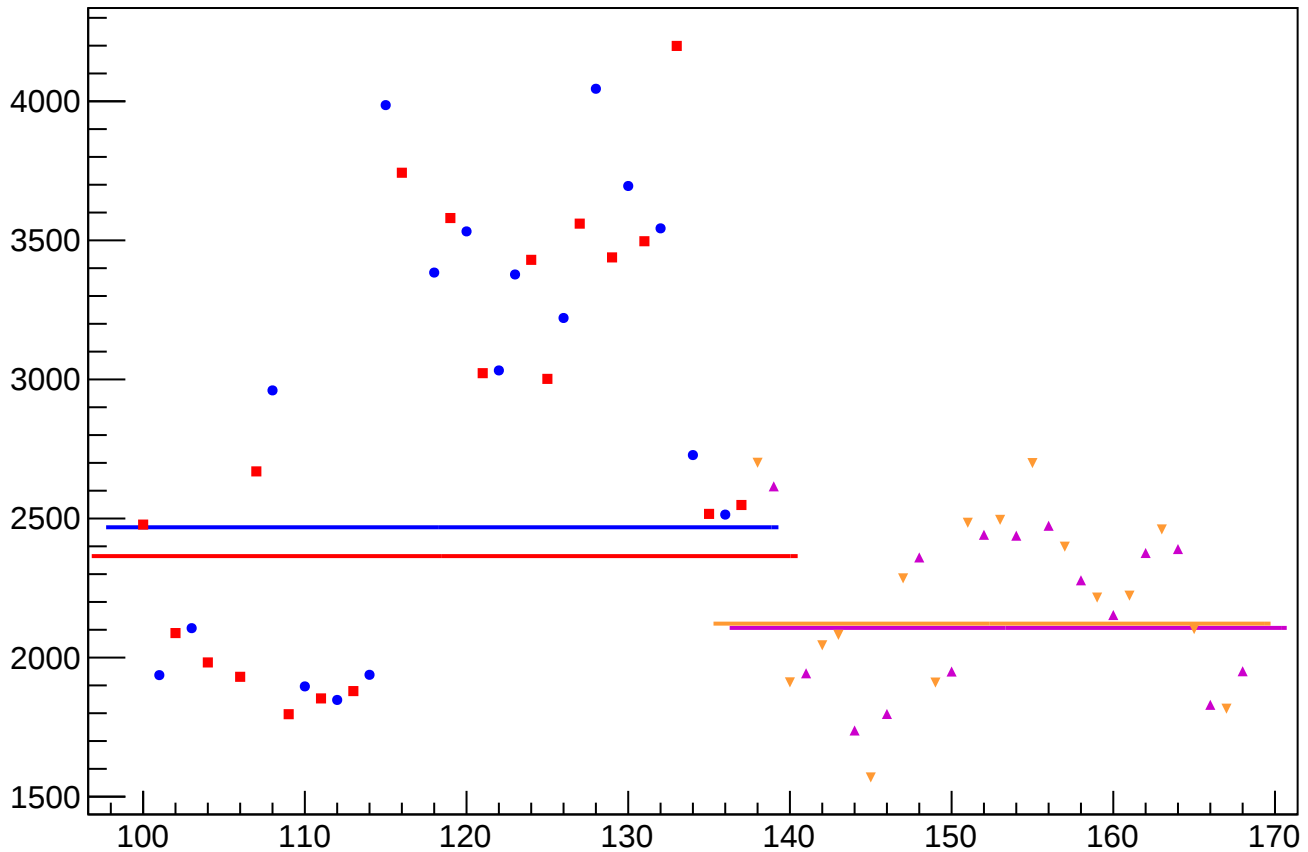
Left In: 157.769 ± 622.195 χ^2/NDF : 14.7/14

+ sign 3040.195 ± 528.041 χ^2/NDF : 56.7/32

All: 1805.412 ± 369.114 χ^2/NDF : 94.1/66

- sign 625.505 ± 516.174 χ^2/NDF : 26.8/33

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2122.080+/-0.440 χ^2/NDF : 547463.7/15

Right Out: 2364.833+/-0.654 χ^2/NDF : 1025161.0/18

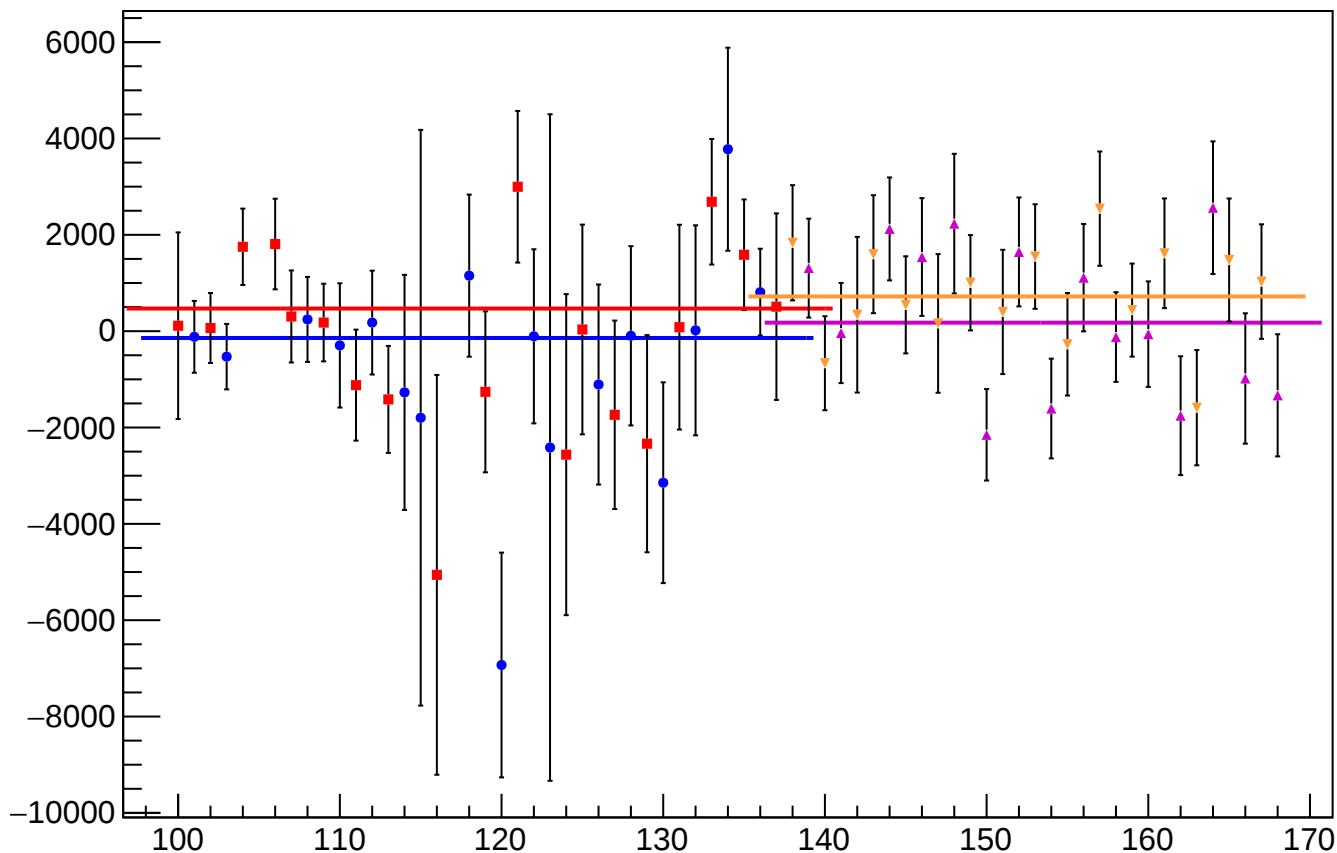
Left In: 2106.735+/-0.440 χ^2/NDF : 397131.5/14

+ sign 2219.477+/-0.373 χ^2/NDF : 1617580.8/32

All: 2202.972+/-0.261 χ^2/NDF : 3150986.9/66

- sign 2187.200+/-0.365 χ^2/NDF : 1529584.9/33

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 720.607+/-286.362 χ^2/NDF :12.4/15

Right Out: 470.143+/-282.892 χ^2/NDF : 22.9/18

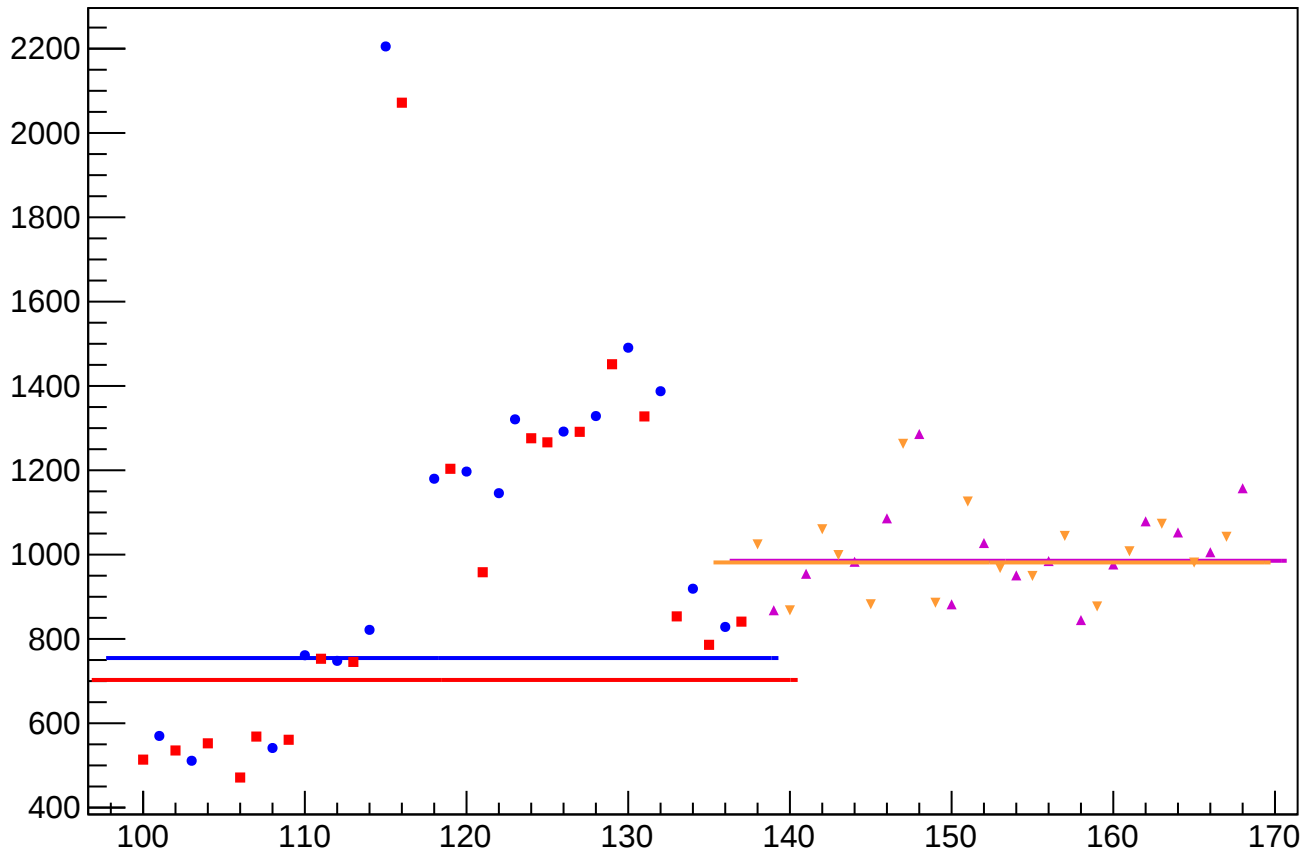
Left In: 176.820+/-290.316 χ^2/NDF :26.9/14

+ sign 328.360+/-211.377 χ^2/NDF : 33.5/32

All: 327.797+/-146.268 χ^2/NDF : 83.9/66

- sign 327.280+/-202.609 χ^2/NDF : 50.4/33

asym_sam5_rms vs Slug



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 981.438 $\pm$ 0.202 χ^2 /NDF: 223578.4/15

+ sign 878.233 $\pm$ 0.149 χ^2 /NDF: 2484958.4/32

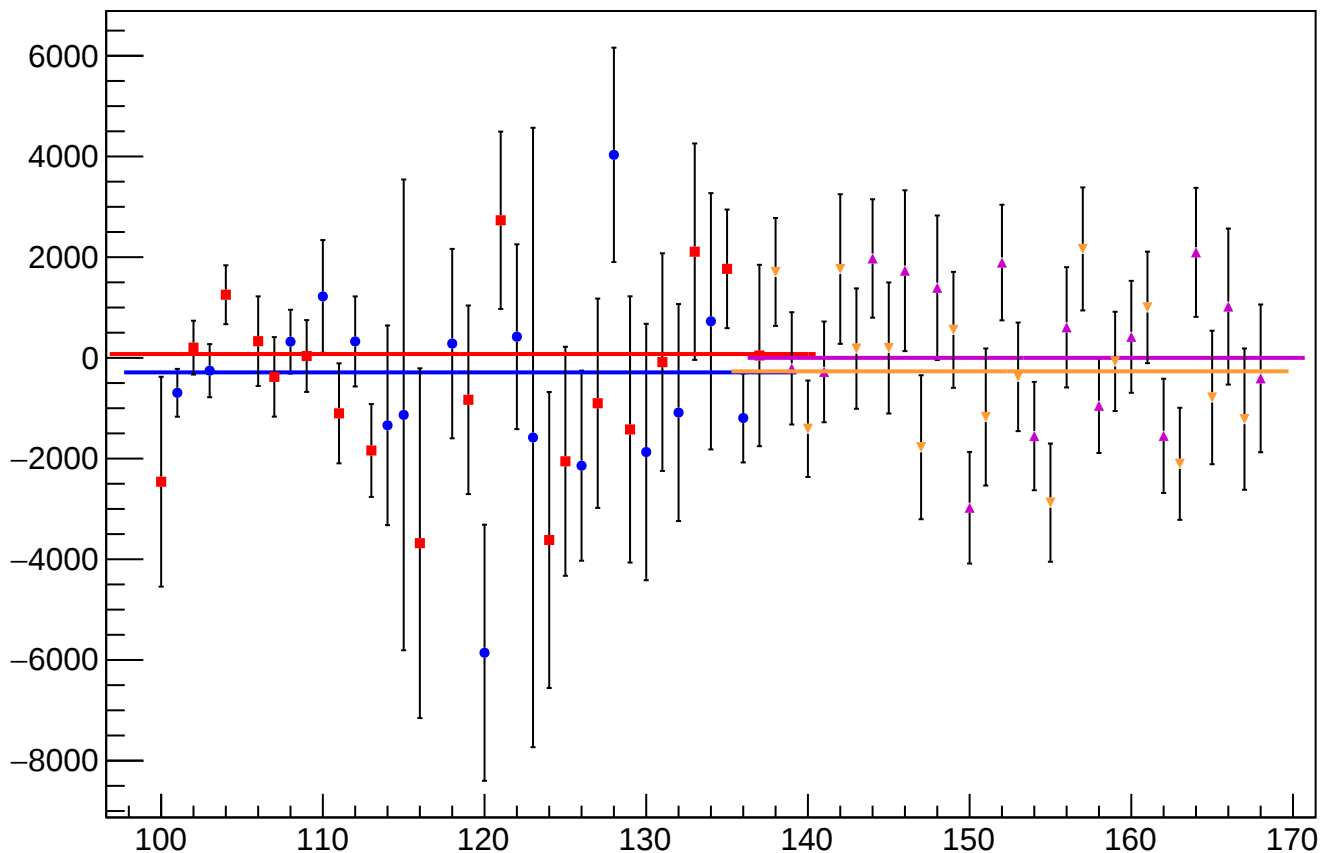
Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

All: 858.513 $\pm$ 0.103 χ^2 /NDF: 5438026.8/66

- sign 840.395 $\pm$ 0.143 χ^2 /NDF: 2919668.5/33

Left In: 985.390 $\pm$ 0.205 χ^2 /NDF: 255502.7/14

asym_sam6_mean vs Slug



Right In: -288.037 ± 250.436 χ^2/NDF : 16.2/16

Left Out: -267.167 ± 295.246 χ^2/NDF : 22.6/15

Right Out: 76.119 ± 246.083 χ^2/NDF : 21.4/18

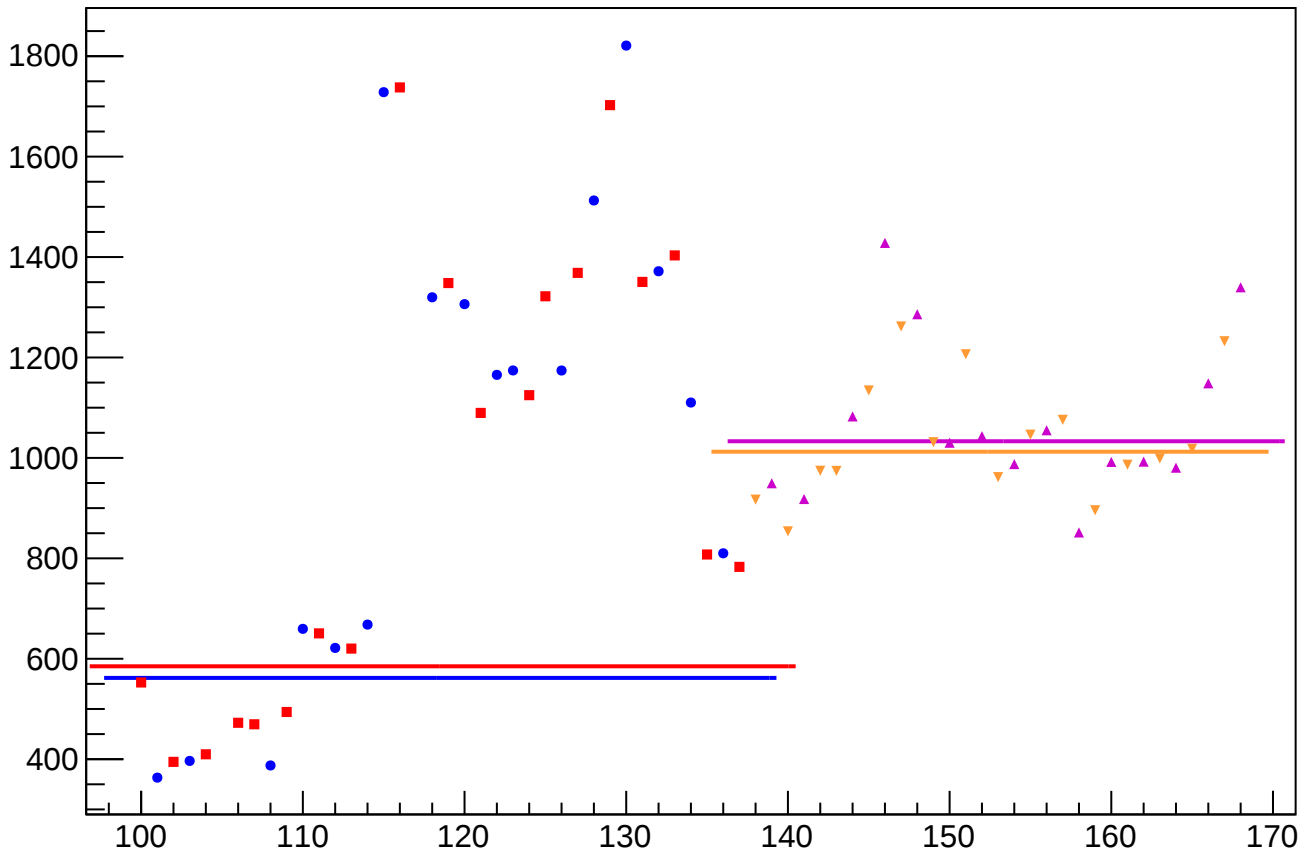
Left In: 0.347 ± 304.917 χ^2/NDF : 23.5/14

+ sign -279.304 ± 190.984 χ^2/NDF : 38.8/32

All: -116.974 ± 135.228 χ^2/NDF : 85.2/66

- sign 46.232 ± 191.498 χ^2/NDF : 45.0/33

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 1012.343+/-0.209 χ^2/NDF : 283654.9/15

Right Out: 584.993+/-0.174 χ^2/NDF : 2824449.5/18

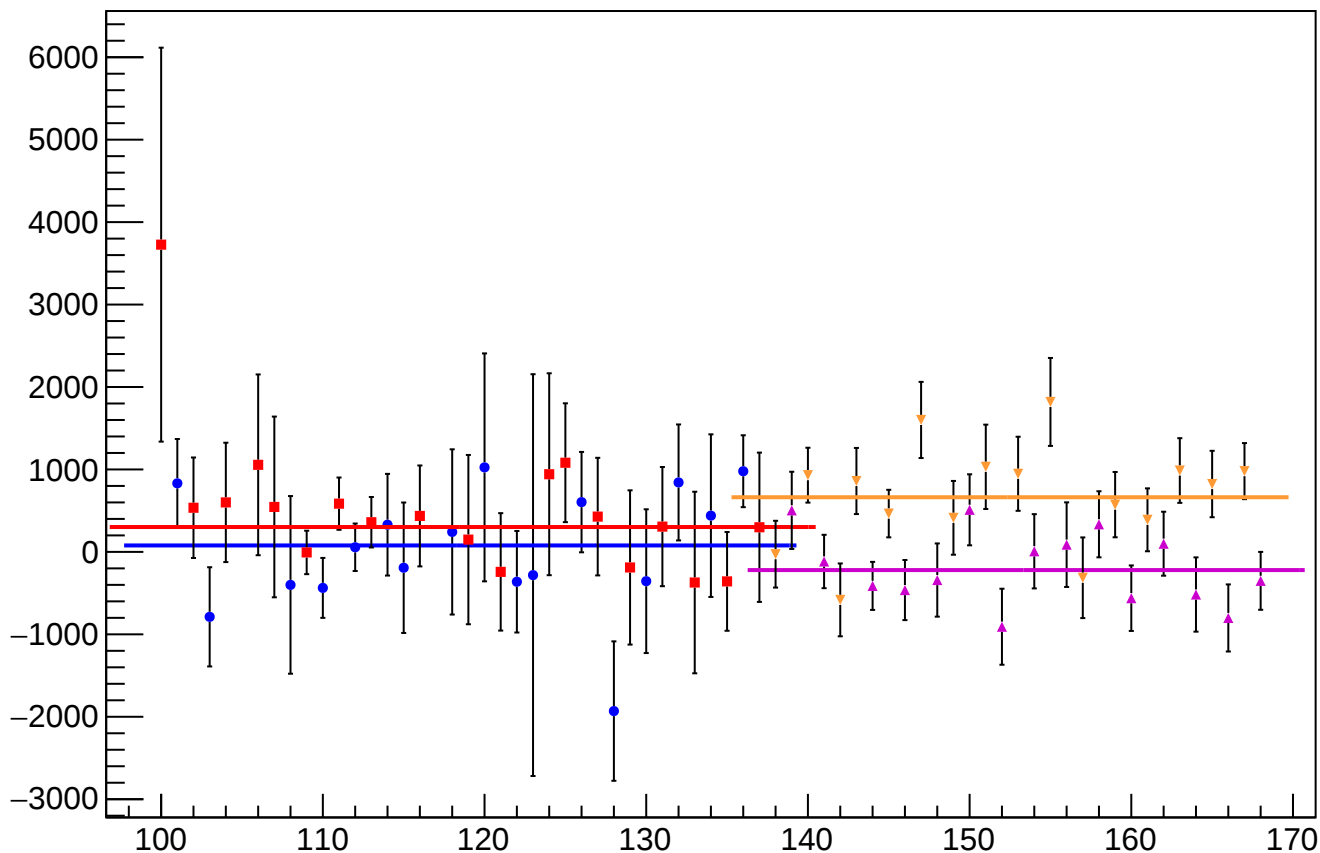
Left In: 1033.157+/-0.216 χ^2/NDF : 412183.3/14

+ sign 750.376+/-0.135 χ^2/NDF : 6207721.0/32

All: 756.053+/-0.096 χ^2/NDF : 12064316.2/60

- sign 761.761+/-0.135 χ^2/NDF : 5853051.1/33

asym_sam7_mean vs Slug



Right In: 78.184 ± 142.869 $\chi^2/\text{NDF}: 19.8/16$

Left Out: 662.860 ± 100.408 $\chi^2/\text{NDF}: 28.5/15$

Right Out: 301.651 ± 129.650 $\chi^2/\text{NDF}: 9.1/18$

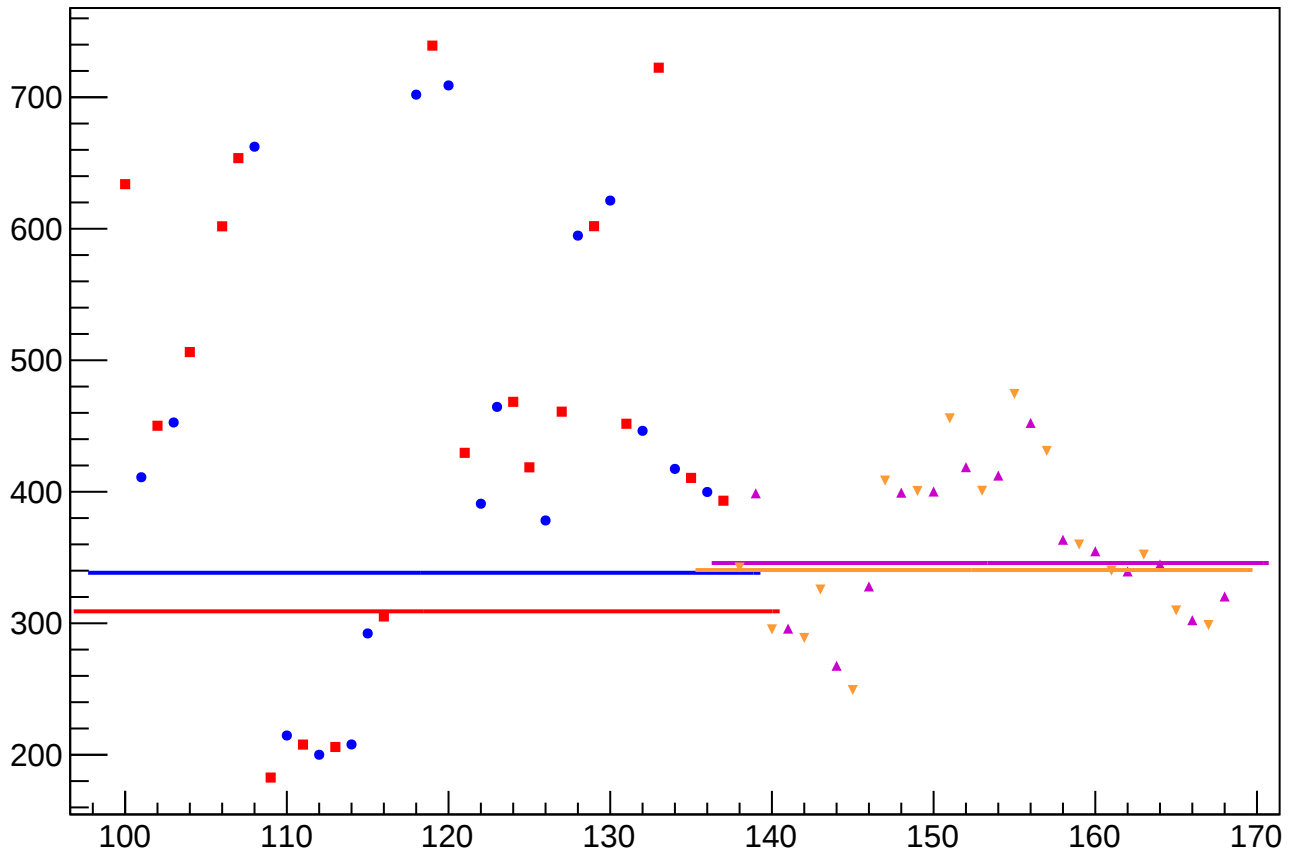
Left In: -220.622 ± 102.281 $\chi^2/\text{NDF}: 15.1/14$

+ sign 469.554 ± 82.149 $\chi^2/\text{NDF}: 59.5/32$

All: 219.068 ± 57.424 $\chi^2/\text{NDF}: 111.9/66$

- sign -20.270 ± 80.301 $\chi^2/\text{NDF}: 34.2/33$

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 340.509 $\pm$ 0.071 χ^2 /NDF: 727293.9/15

Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

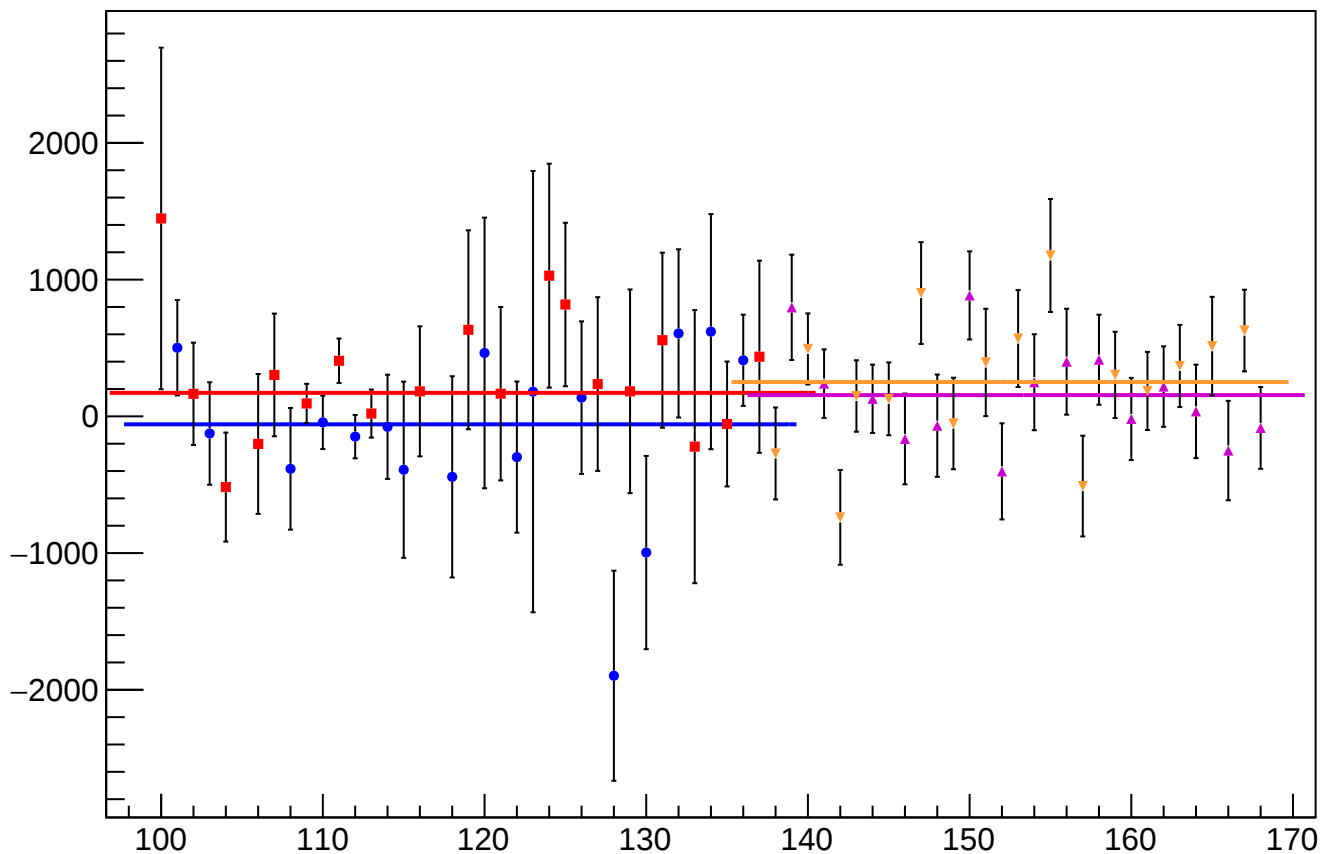
Left In: 345.852 $\pm$ 0.072 χ^2 /NDF: 501133.4/14

+ sign 339.814 $\pm$ 0.058 χ^2 /NDF: 2736870.5/32

All: 335.688 $\pm$ 0.041 χ^2 /NDF: 6080498.3/66

- sign 331.746 $\pm$ 0.057 χ^2 /NDF: 3333763.3/33

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 251.116 ± 79.863 χ^2/NDF : 28.3/15

Right Out: 171.954 ± 76.920 χ^2/NDF : 11.3/18

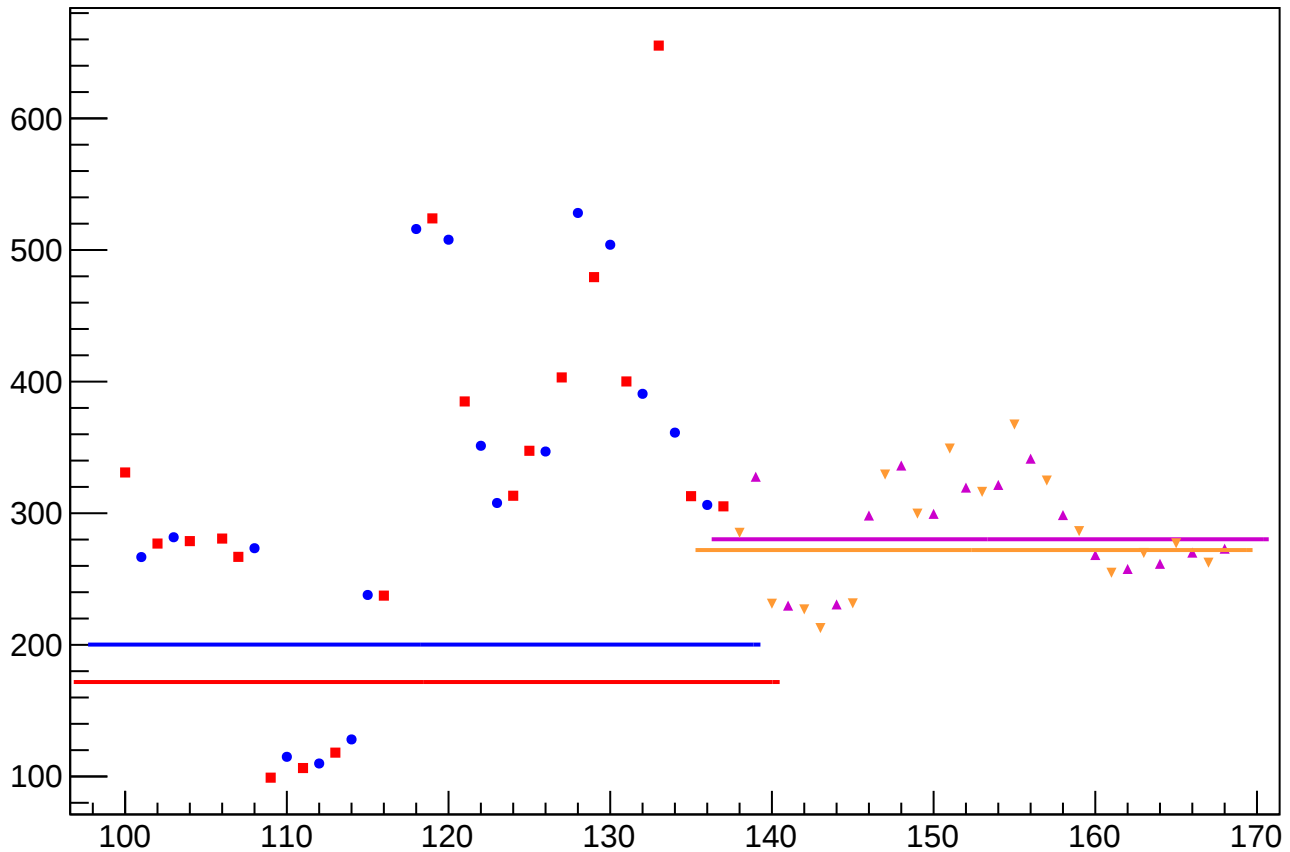
Left In: 155.500 ± 82.612 χ^2/NDF : 15.3/14

+ sign 115.626 ± 59.876 χ^2/NDF : 50.7/32

All: 141.469 ± 41.014 χ^2/NDF : 77.7/66

- sign 164.314 ± 56.295 χ^2/NDF : 26.7/33

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 272.027+/-0.056 χ^2/NDF : 566353.0/15

Right Out: 171.757+/-0.054 χ^2/NDF : 4093922.6/18

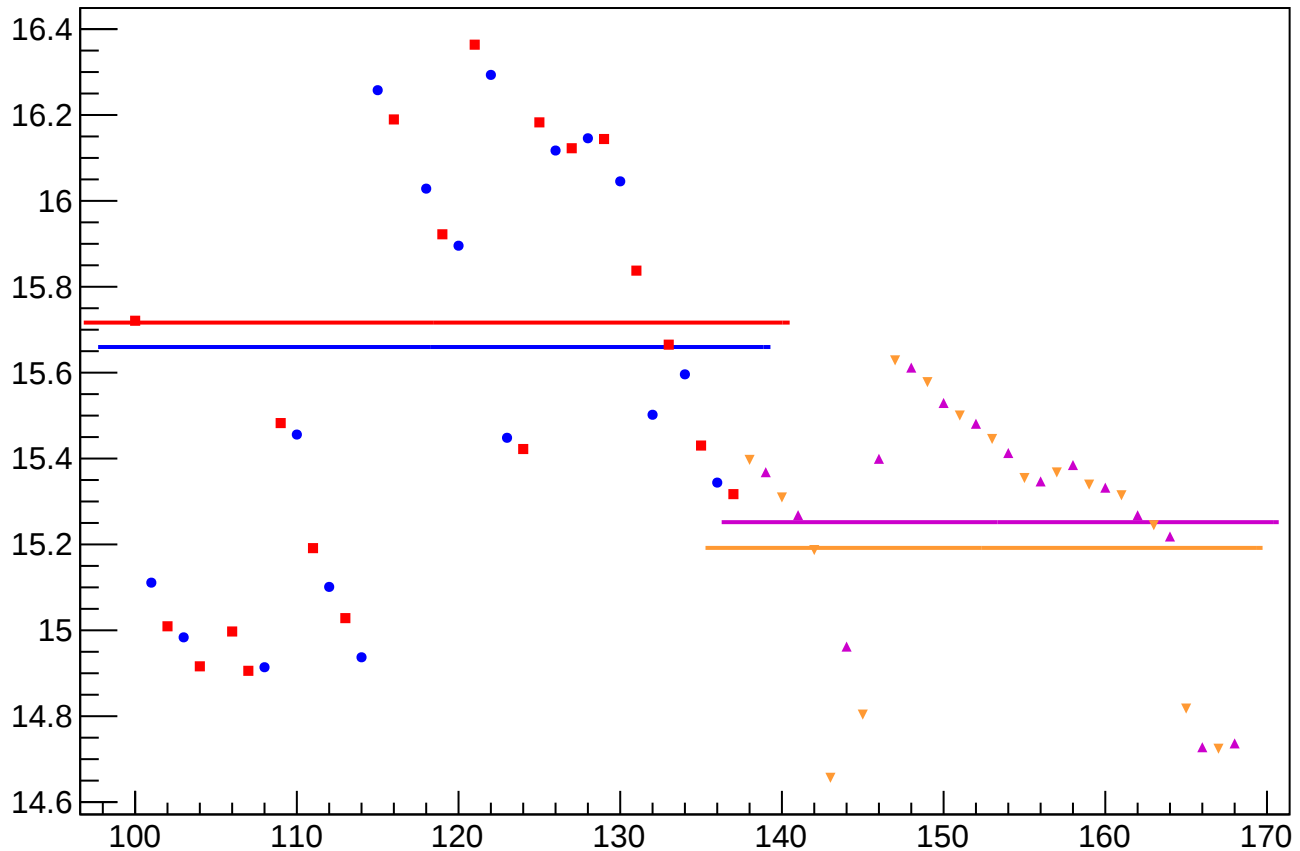
Left In: 280.224+/-0.058 χ^2/NDF : 380037.9/14

+ sign 240.579+/-0.042 χ^2/NDF : 4661789.2/32

All: 230.784+/-0.029 χ^2/NDF : 11083333.2/60

- sign 222.126+/-0.040 χ^2/NDF : 6320715.5/33

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.192 $\pm$ 0.000 χ^2 /NDF: 8831378924.6/15

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

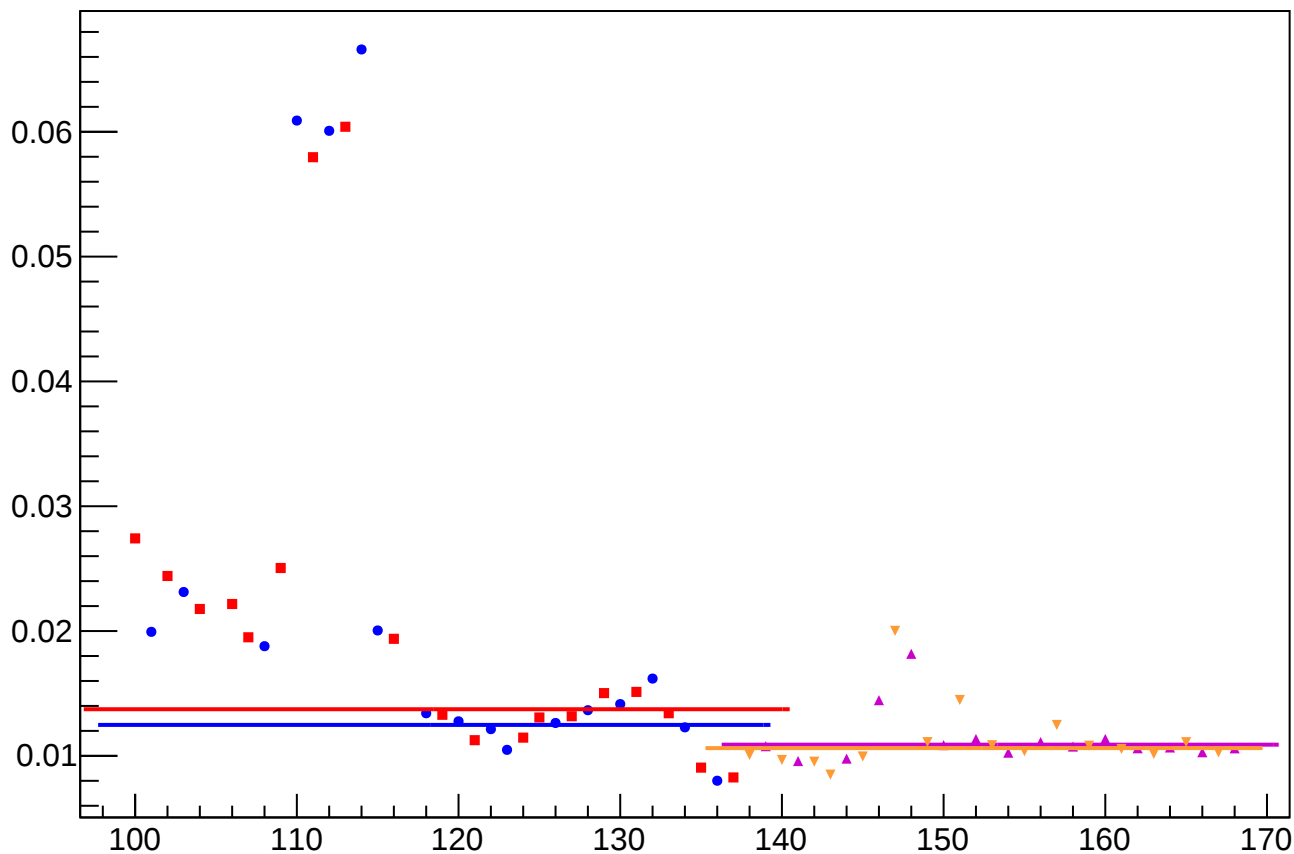
Left In: 15.252 $\pm$ 0.000 χ^2 /NDF: 5710924464.2/14

+ sign 15.310 $\pm$ 0.000 χ^2 /NDF: 20027483578.5/32

All: 15.335 $\pm$ 0.000 χ^2 /NDF: 36122773961.9

- sign 15.362 $\pm$ 0.000 χ^2 /NDF: 15922172602.7/33

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:590636.5/15

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

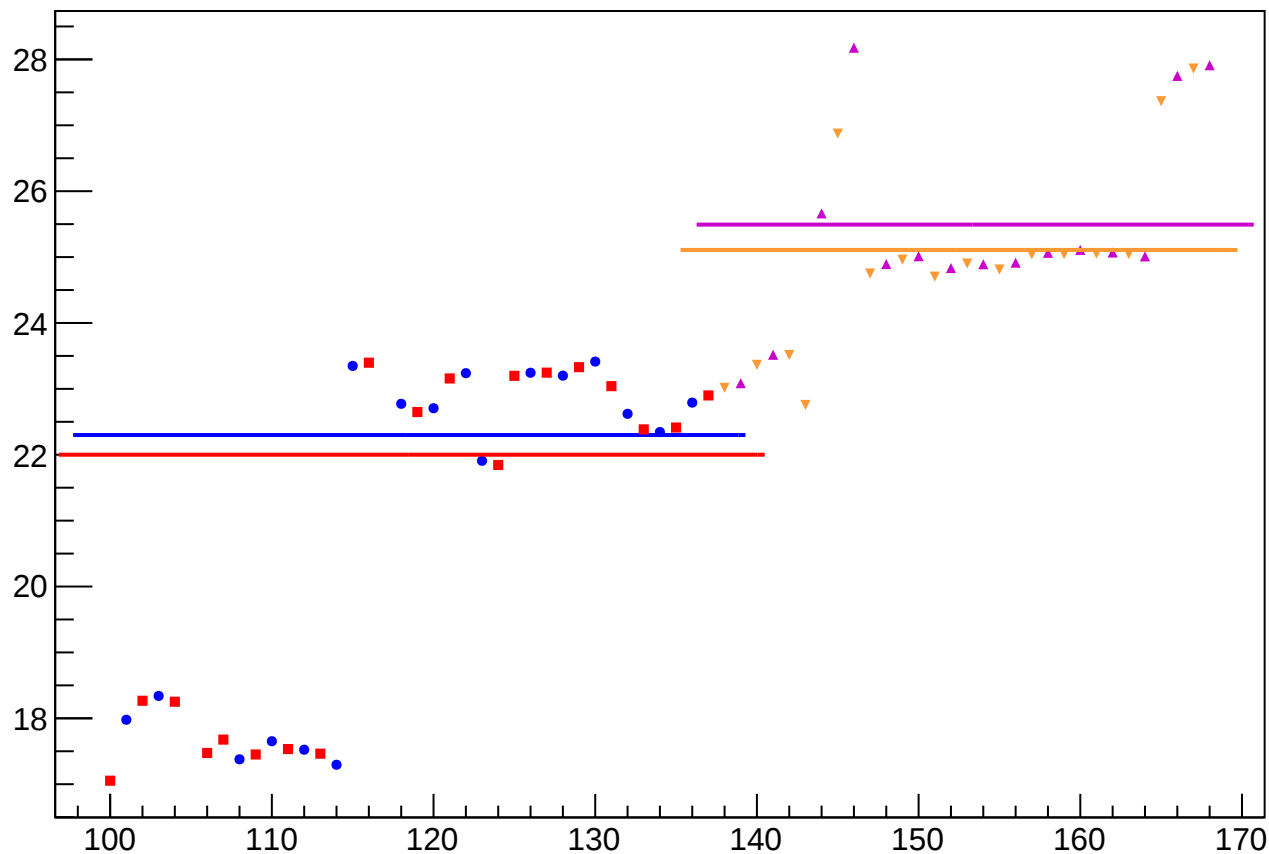
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:403417.0/14

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2914636.3/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5779363.6/66

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2835354.2/33

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 25.108+/-0.000 χ^2/NDF : 1766941239.5/15

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

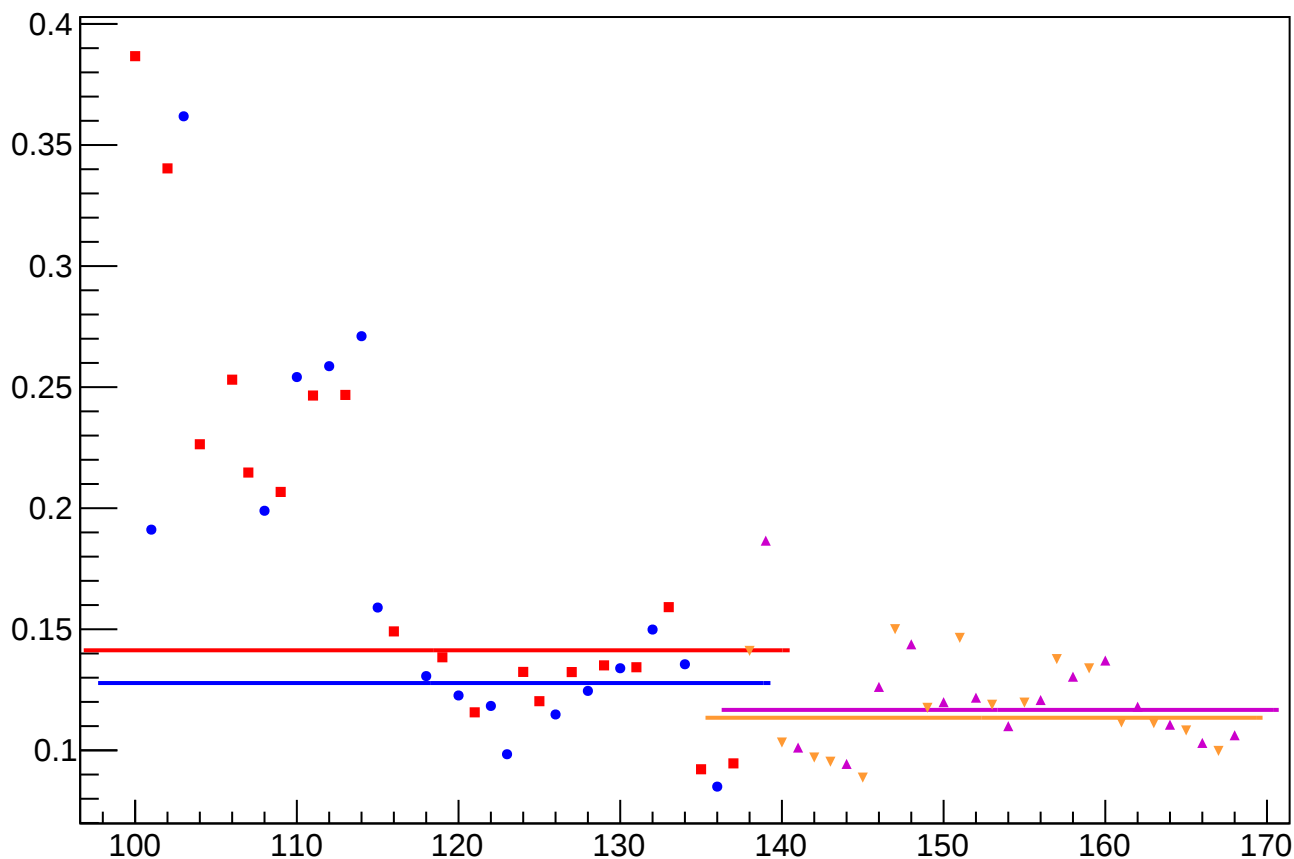
Left In: 25.493+/-0.000 χ^2/NDF : 1433118344.8/14

+ sign 24.313+/-0.000 χ^2/NDF : 4456996612.5/32

All: 24.424+/-0.000 χ^2/NDF : 9432751750.6/6

- sign 24.544+/-0.000 χ^2/NDF : 4947877526.5/33

yield_sam2_rms vs Slug



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.113 $\pm$ 0.000 χ^2 /NDF:487377.3/15

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1449275.1/18

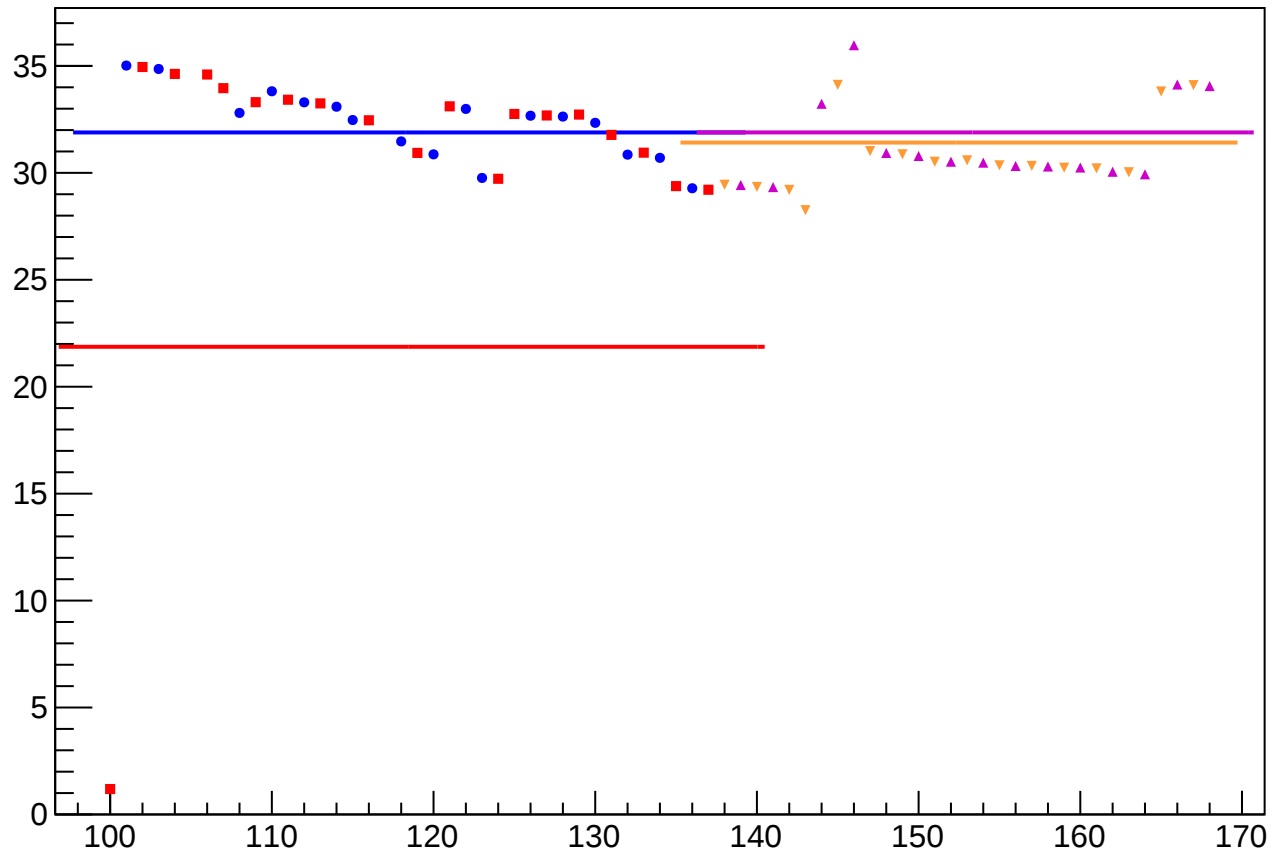
Left In: 0.117 $\pm$ 0.000 χ^2 /NDF:467225.1/14

+ sign 0.118 $\pm$ 0.000 χ^2 /NDF: 2070758.8/32

All: 0.120 $\pm$ 0.000 χ^2 /NDF: 4266926.7/66

- sign 0.123 $\pm$ 0.000 χ^2 /NDF: 2159768.6/33

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.416+/-0.000 χ^2/NDF : 8031730416.8/15

Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18

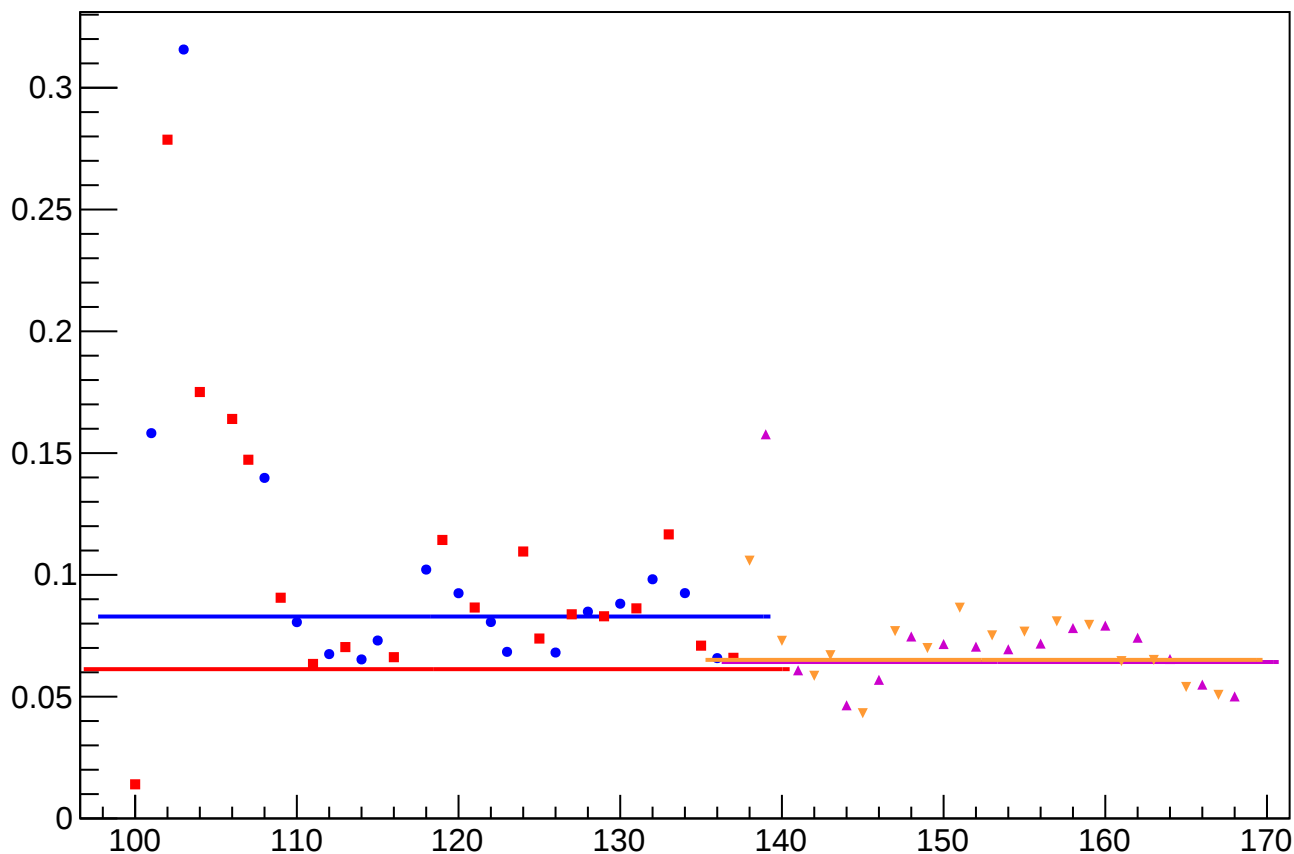
Left In: 31.891+/-0.000 χ^2/NDF : 9307464143.0/14

+ sign 31.535+/-0.000 χ^2/NDF : 10081518700.0/32

All: 29.962+/-0.000 χ^2/NDF : 334228356443.

- sign 28.575+/-0.000 χ^2/NDF : 310940858273.3/33

yield_sam3_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.065 $\pm$ 0.000 χ^2 /NDF: 875187.5/15

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

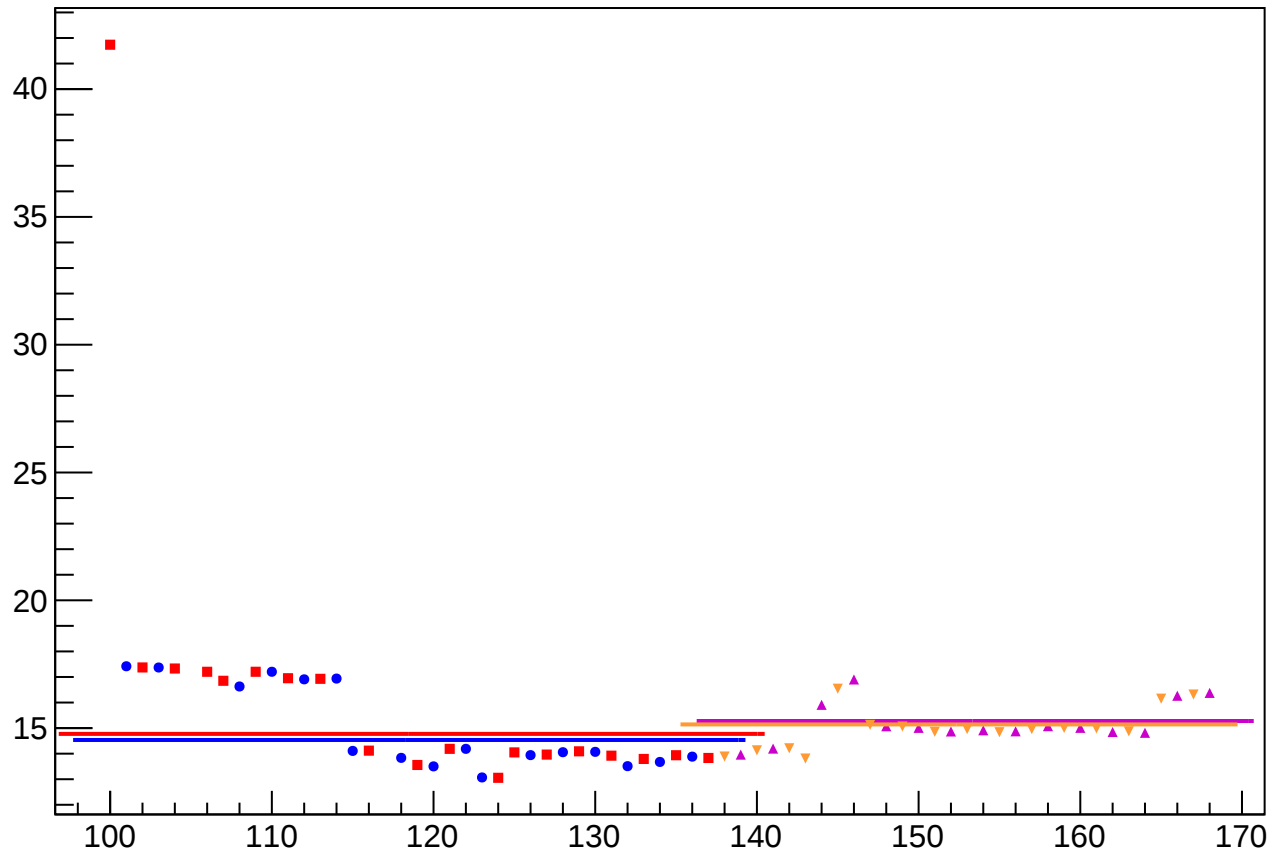
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF: 1020879.0/14

+ sign 0.070 $\pm$ 0.000 χ^2 /NDF: 2377732.4/32

All: 0.066 $\pm$ 0.000 χ^2 /NDF: 7135340.8/66

- sign 0.063 $\pm$ 0.000 χ^2 /NDF: 4637000.8/33

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.144+/-0.000 χ^2/NDF : 1408319656.5/15

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

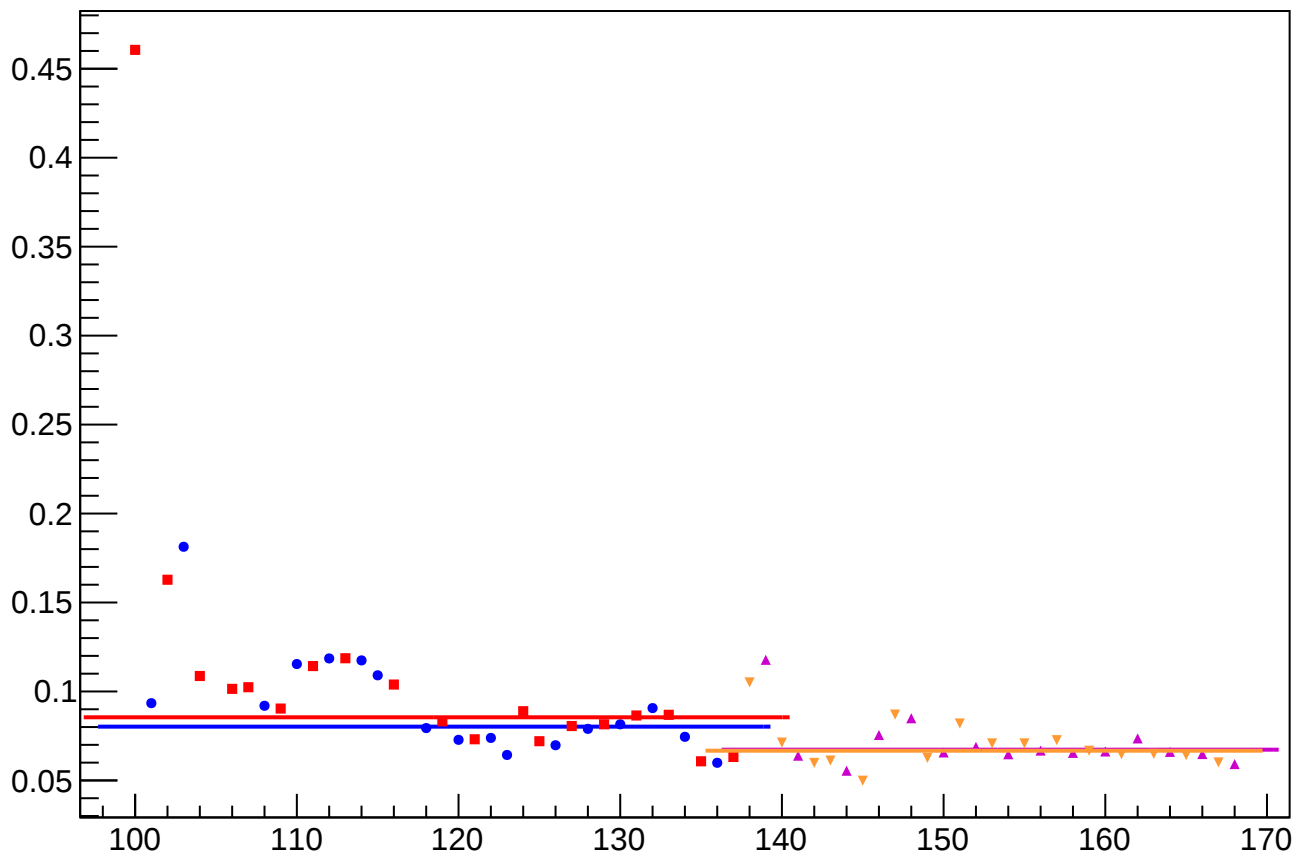
Left In: 15.278+/-0.000 χ^2/NDF : 1183831796.4/14

+ sign 14.975+/-0.000 χ^2/NDF : 3108162047.2/32

All: 15.057+/-0.000 χ^2/NDF : 6370118490.4/6

- sign 15.142+/-0.000 χ^2/NDF : 3219751997.5/33

yield_sam4_rms vs Slug



Right In: 0.080 $\pm$ 0.000 χ^2 /NDF: 778734.5/16

Left Out: 0.067 $\pm$ 0.000 χ^2 /NDF: 495720.4/15

Right Out: 0.085 $\pm$ 0.000 χ^2 /NDF: 738043.0/18

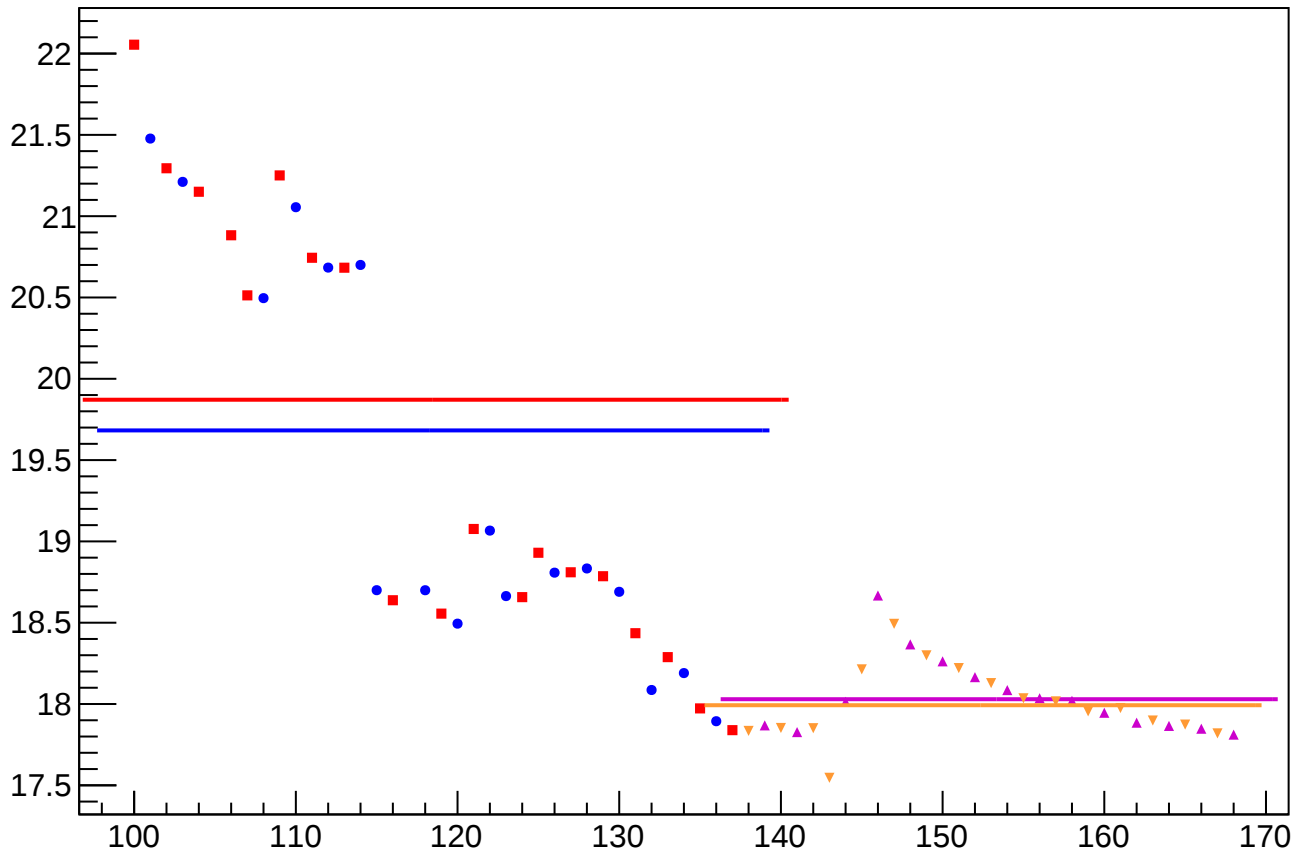
Left In: 0.067 $\pm$ 0.000 χ^2 /NDF: 445776.2/14

+ sign 0.070 $\pm$ 0.000 χ^2 /NDF: 1500952.1/32

All: 0.071 $\pm$ 0.000 χ^2 /NDF: 3083104.4/66

- sign 0.072 $\pm$ 0.000 χ^2 /NDF: 1573088.4/33

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.993+/-0.000 χ^2/NDF : 455834753.0/15

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

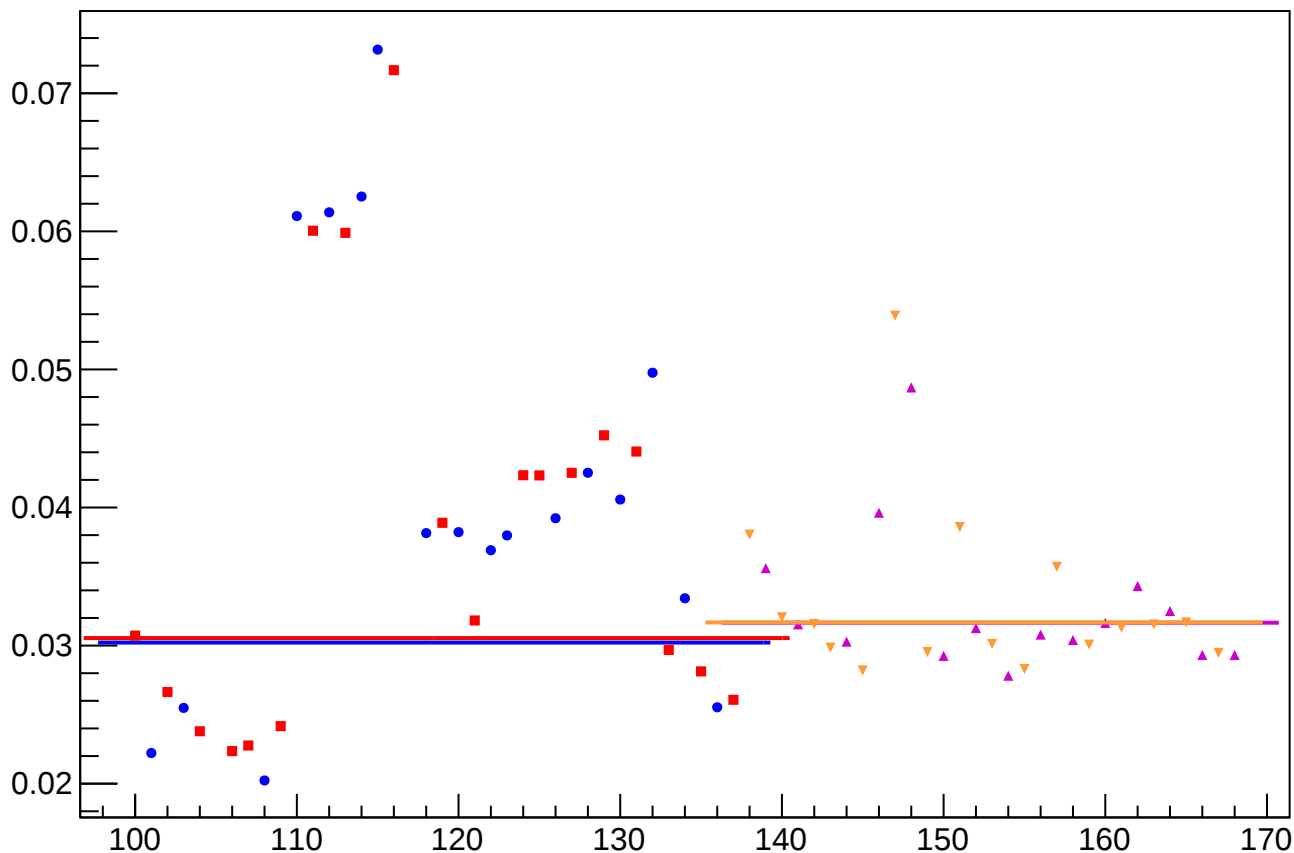
Left In: 18.030+/-0.000 χ^2/NDF : 447082135.7/14

+ sign 18.590+/-0.000 χ^2/NDF : 24021128641.4/32

All: 18.645+/-0.000 χ^2/NDF : 49543009131.4

- sign 18.699+/-0.000 χ^2/NDF : 25418362816.7/33

yield_sam5_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 1324518.2/16

Left Out: 0.032 $\pm$ 0.000 χ^2 /NDF:433911.5/15

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 1189734.1/18

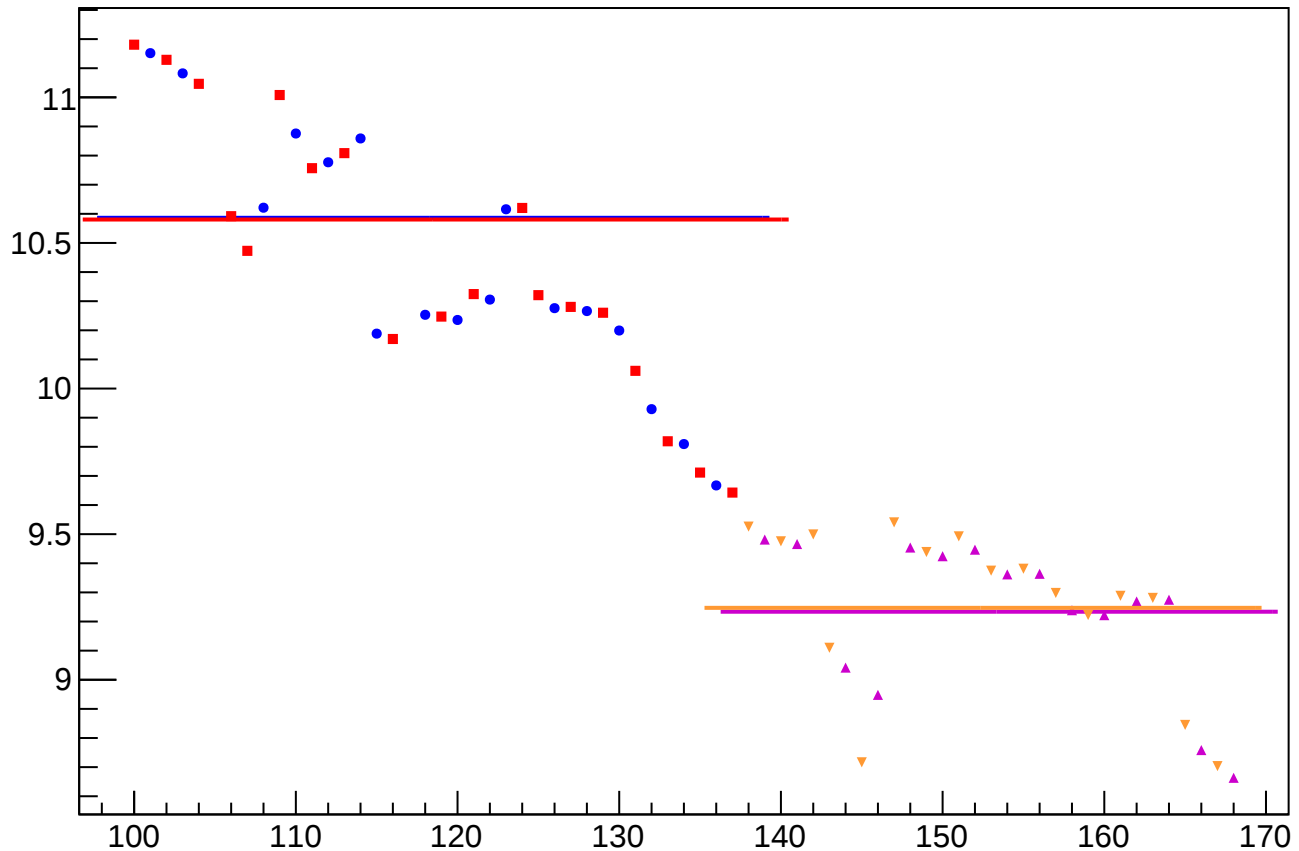
Left In: 0.032 $\pm$ 0.000 χ^2 /NDF:341128.9/14

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 1775178.6/32

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 3316151.0/66

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 1540825.2/33

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.247 $\pm$ 0.000 χ^2 /NDF: 1999866473.2/15

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5763852721.2/18

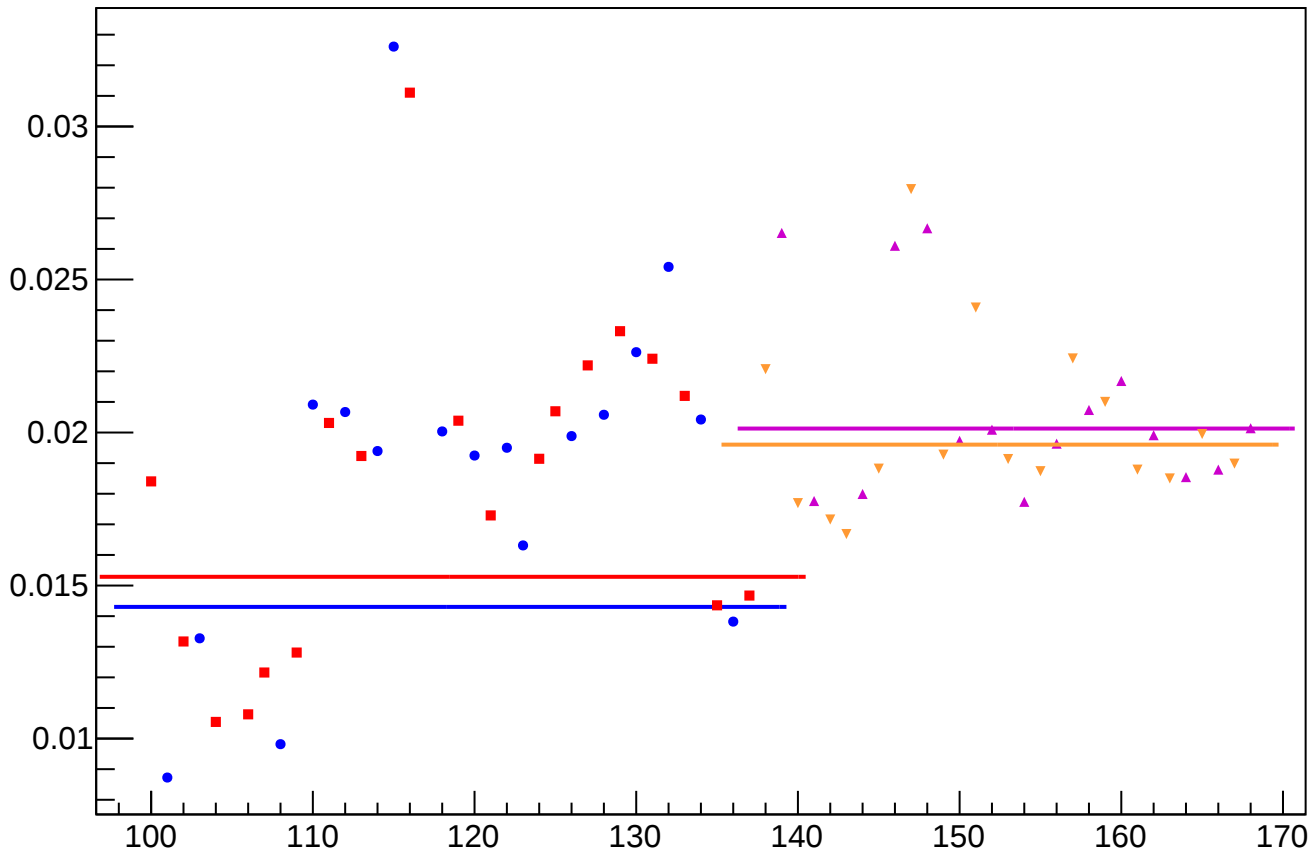
Left In: 9.234 $\pm$ 0.000 χ^2 /NDF: 1591561393.7/14

+ sign 9.892 $\pm$ 0.000 χ^2 /NDF: 33642790129.0/32

All: 9.893 $\pm$ 0.000 χ^2 /NDF: 64342135037.3/6

- sign 9.894 $\pm$ 0.000 χ^2 /NDF: 30699157300.2/33

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: 315817.5/15

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

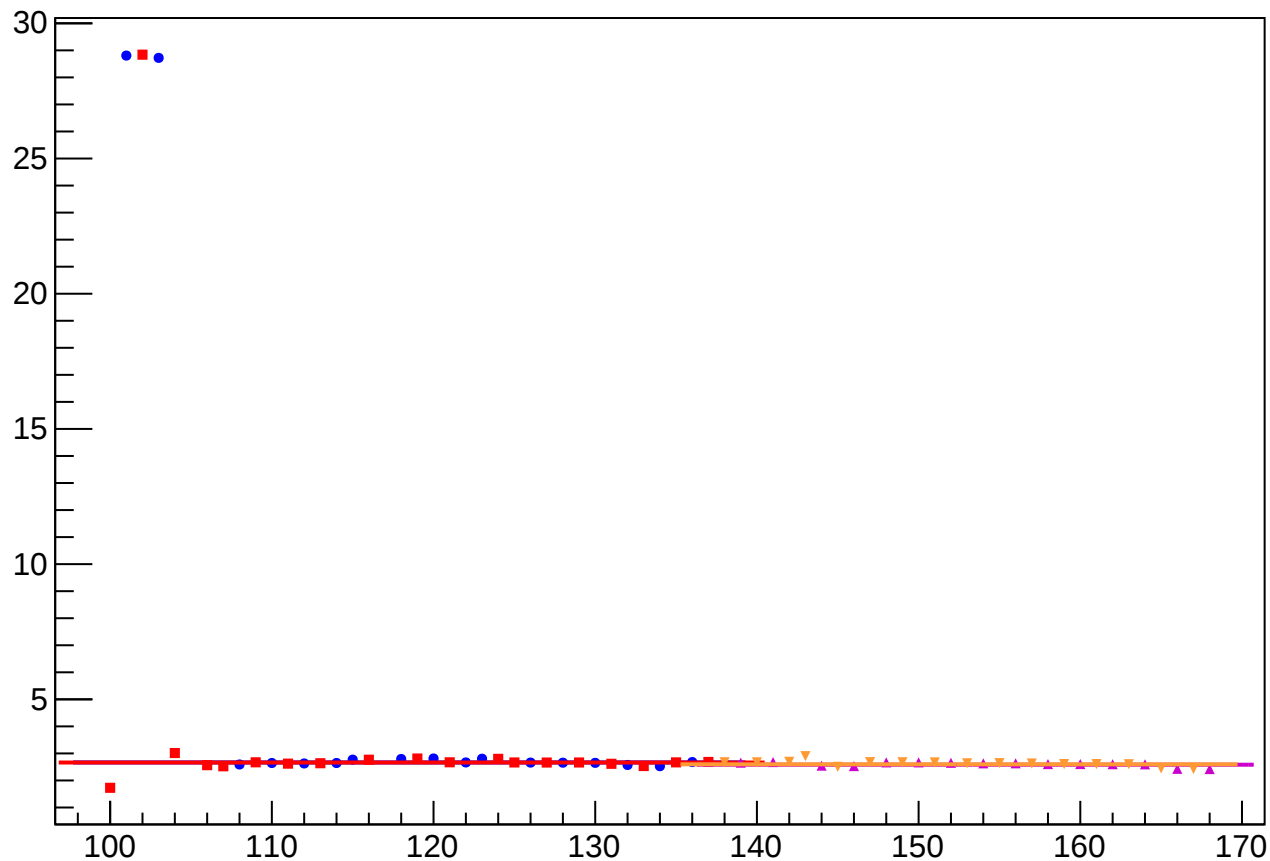
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 351419.3/14

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2482995.2/32

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 4453332.9/66

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 1944403.2/33

yield_sam7_mean vs Slug



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.597 $\pm$ 0.000 χ^2 /NDF: 23089214356.1/15

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

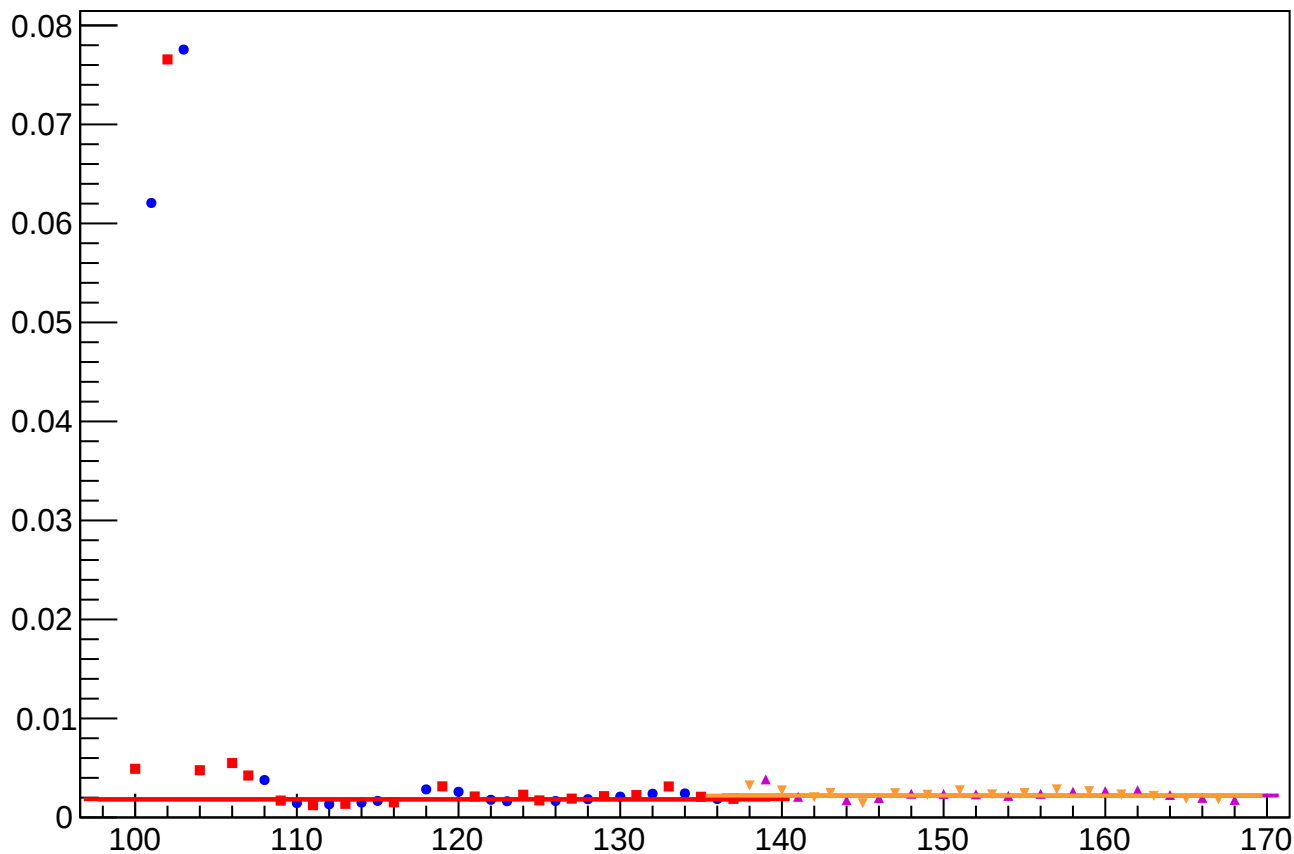
Left In: 2.582 $\pm$ 0.000 χ^2 /NDF: 14311049784.1/14

+ sign 2.625 $\pm$ 0.000 χ^2 /NDF: 190039899938.5/32

All: 2.621 $\pm$ 0.000 χ^2 /NDF: 280257966845.9

- sign 2.617 $\pm$ 0.000 χ^2 /NDF: 90093398741.5/33

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:813408.2/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2331228.4/18

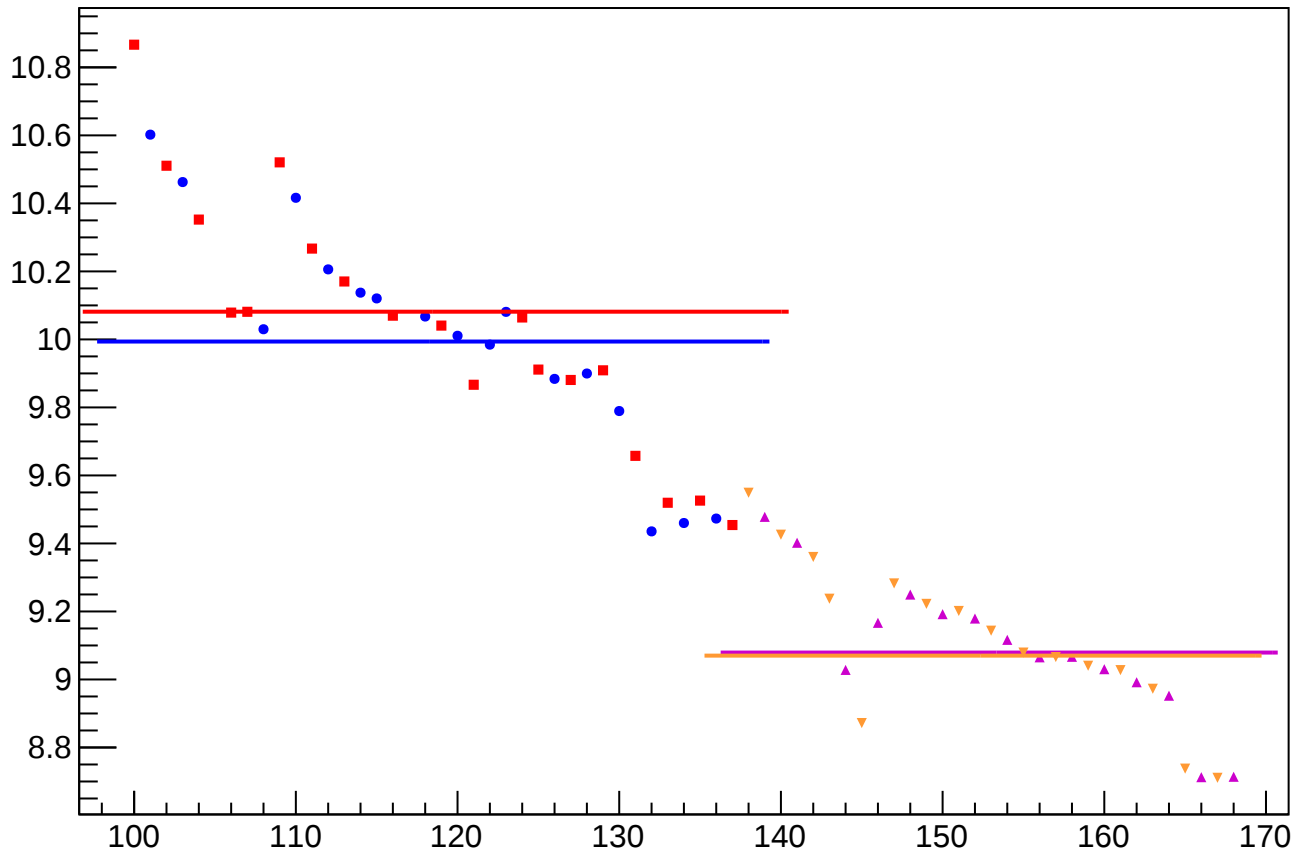
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:625646.1/14

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3717521.0/32

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6893742.8/66

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3175931.0/33

yield_sam8_mean vs Slug



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 9.070 $\pm$ 0.000 χ^2 /NDF: 9968187793.3/15

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

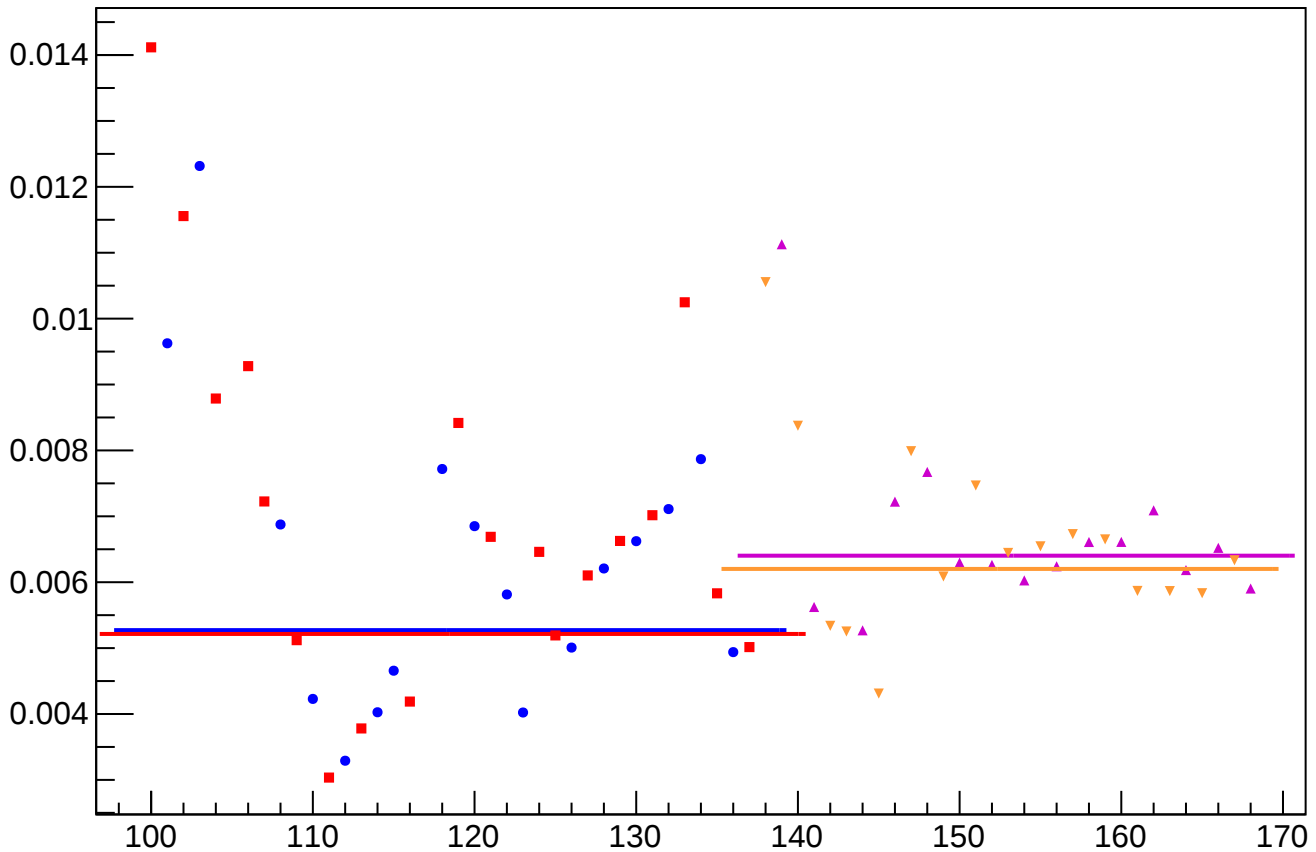
Left In: 9.079 $\pm$ 0.000 χ^2 /NDF: 8085440515.1/14

+ sign 9.461 $\pm$ 0.000 χ^2 /NDF: 117722394135.0/32

All: 9.498 $\pm$ 0.000 χ^2 /NDF: 247812646859.9

- sign 9.535 $\pm$ 0.000 χ^2 /NDF: 128945182270.0/33

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 682987.2/15

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

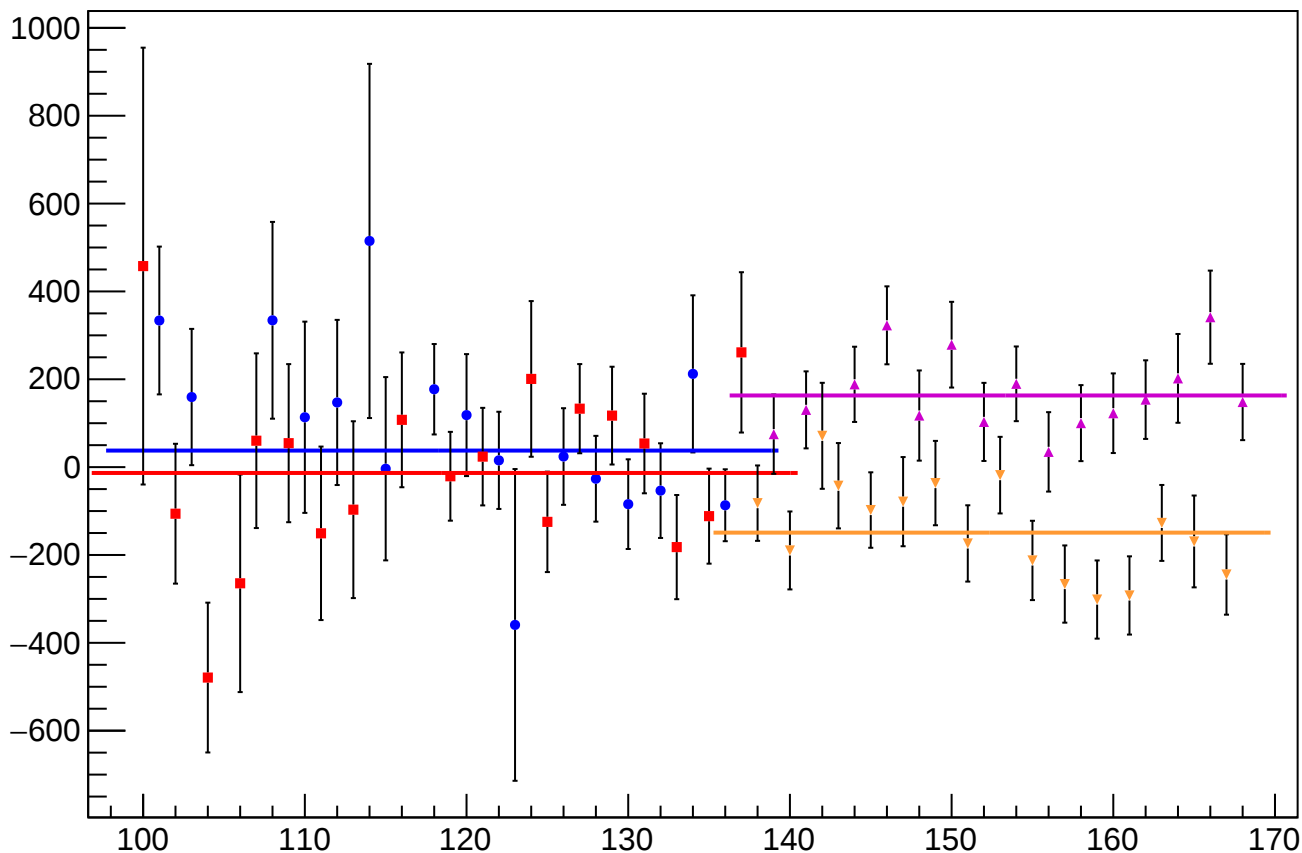
Left In: 0.006+/-0.000 χ^2/NDF : 415220.4/14

+ sign 0.006+/-0.000 χ^2/NDF : 2108410.3/32

All: 0.006+/-0.000 χ^2/NDF : 4478697.6/66

- sign 0.006+/-0.000 χ^2/NDF : 2369028.7/33

reg_asym_sam1_mean vs Slug



Right In: 37.694 ± 32.253 χ^2/NDF : 16.7/16

Left Out: -149.127 ± 22.992 χ^2/NDF : 18.9/15

Right Out: -13.278 ± 32.066 χ^2/NDF : 22.7/18

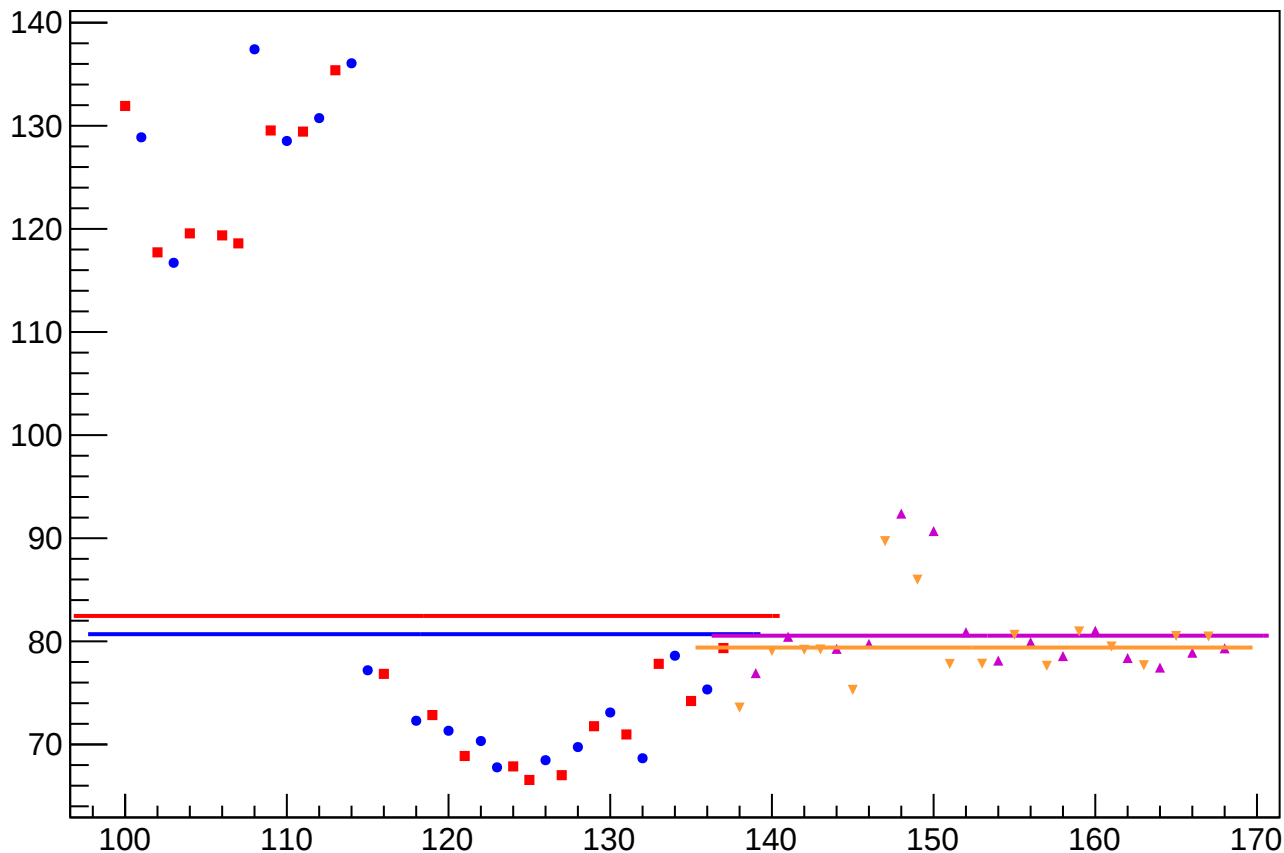
Left In: 163.128 ± 23.552 χ^2/NDF : 12.3/14

+ sign -86.180 ± 18.722 χ^2/NDF : 57.8/32

All: 6.274 ± 13.329 χ^2/NDF : 162.0/66

- sign 101.313 ± 18.982 χ^2/NDF : 54.7/33

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.399 $\pm$ 0.016 χ^2 /NDF: 48279.3/15

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

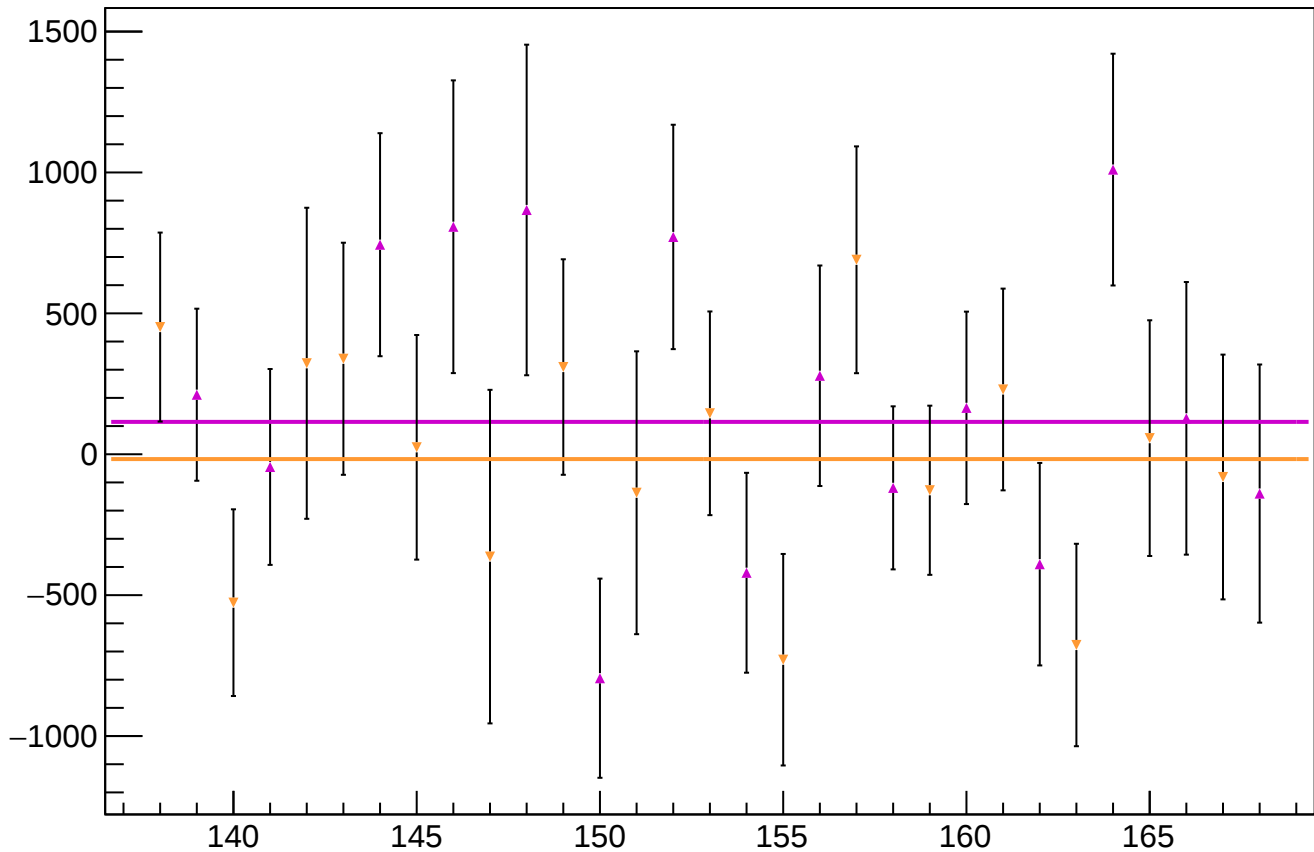
Left In: 80.548 $\pm$ 0.017 χ^2 /NDF: 58850.1/14

+ sign 79.836 $\pm$ 0.013 χ^2 /NDF: 864443.6/32

All: 80.518 $\pm$ 0.009 χ^2 /NDF: 1848195.3/66

- sign 81.219 $\pm$ 0.013 χ^2 /NDF: 978363.1/33

asym_sam1_correction_mean vs Slug



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

Left Out: -17.122+/-97.247 χ^2/NDF : 17.5/15

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

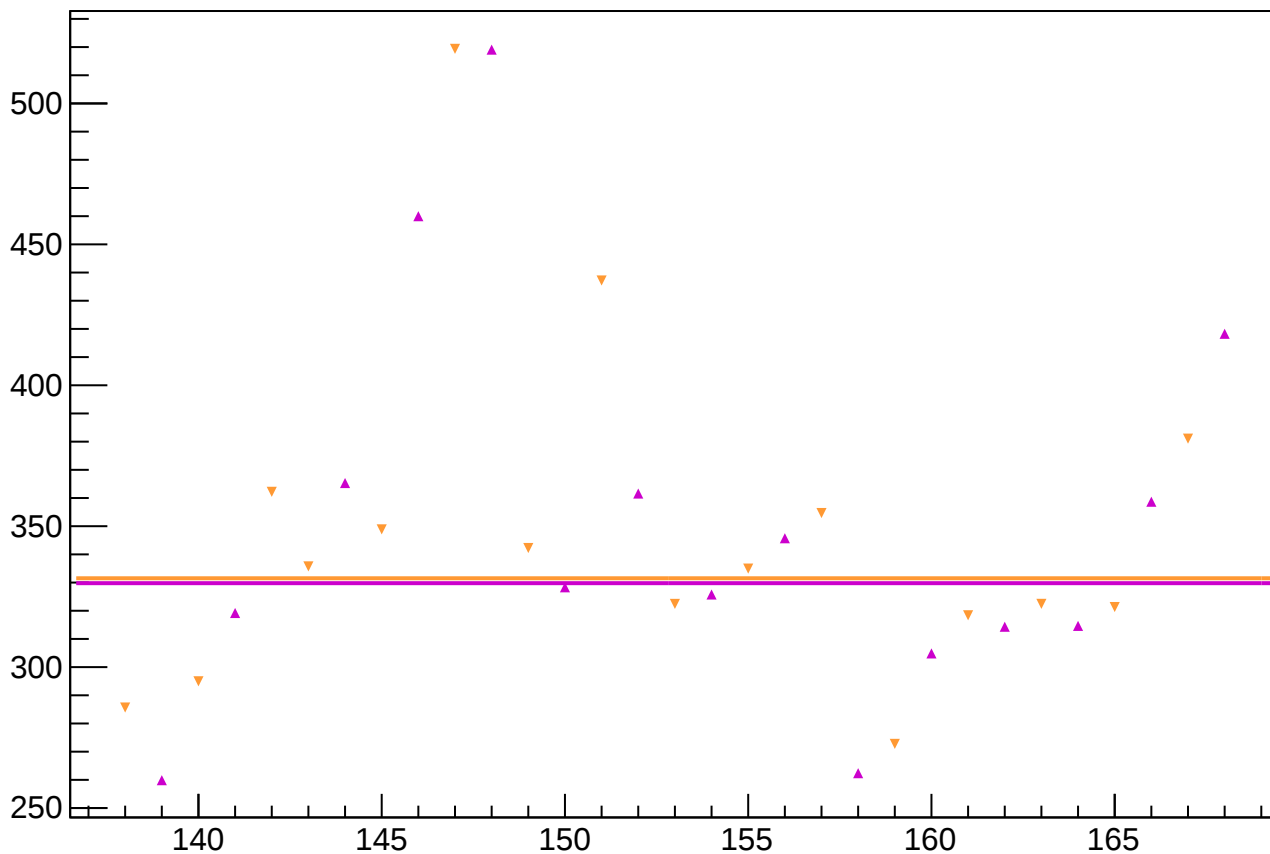
Left In: 114.885+/-98.046 χ^2/NDF : 25.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 48.341+/-69.045 χ^2/NDF : 44.2/30

- sign 0.000+/-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: 331.524+/-0.069 χ^2/NDF : 479483.6/15

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

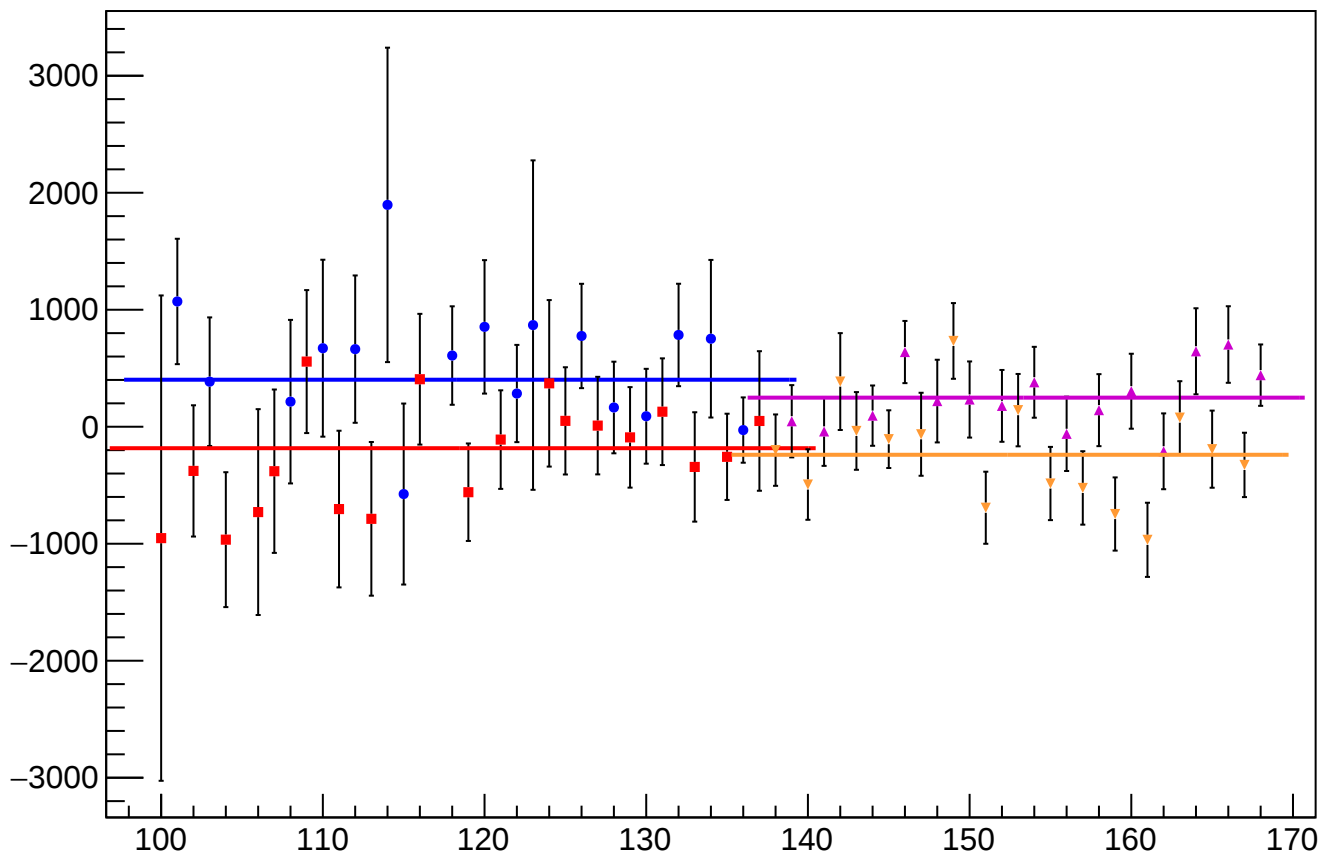
Left In: 329.786+/-0.069 χ^2/NDF : 680670.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 330.662+/-0.049 χ^2/NDF : 1160471.1/30

- 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: -239.657 ± 77.886 χ^2/NDF : 27.1/15

Right Out: -183.481 ± 120.338 χ^2/NDF : 9.3/18

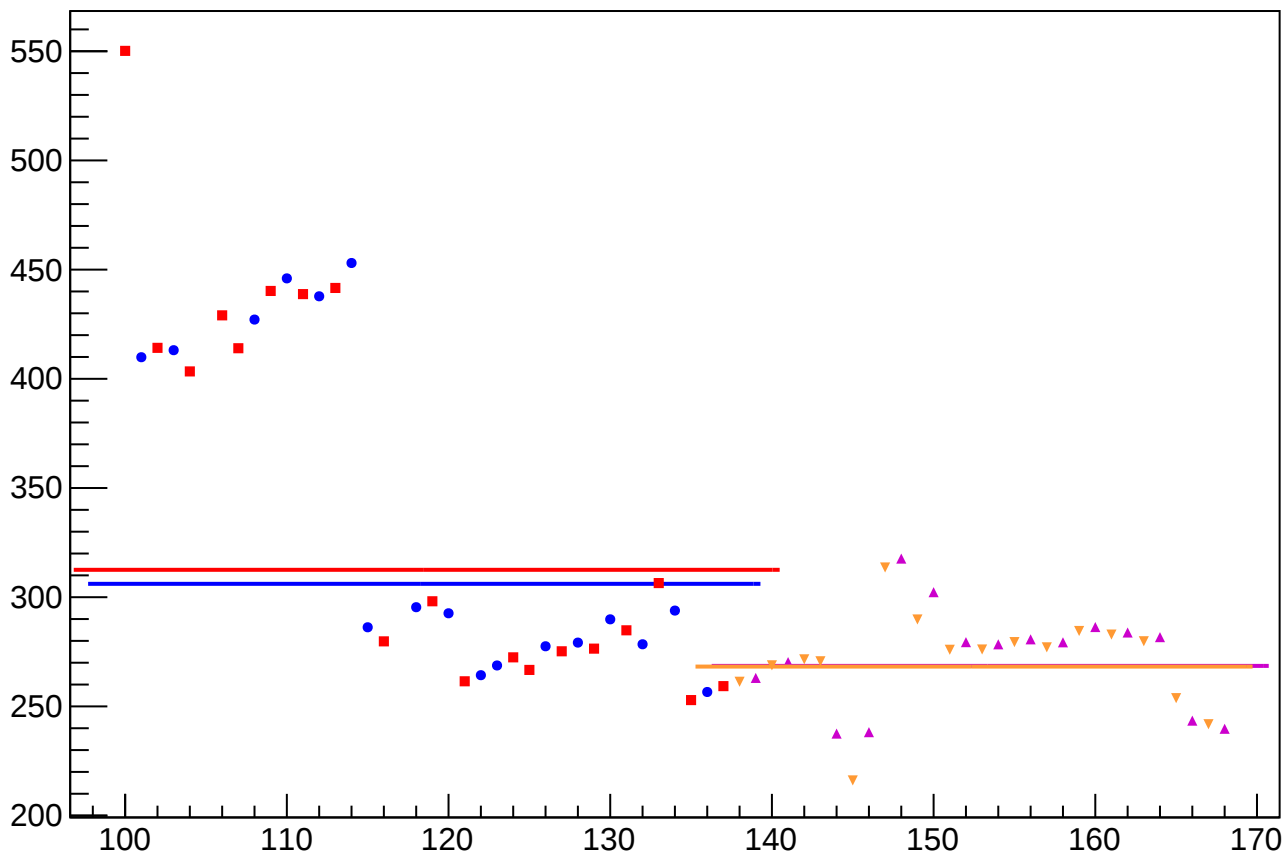
Left In: 248.607 ± 78.758 χ^2/NDF : 10.9/14

+ sign -51.824 ± 65.499 χ^2/NDF : 57.9/32

All: 33.082 ± 46.456 χ^2/NDF : 90.5/66

- sign 119.030 ± 65.899 χ^2/NDF : 29.2/33

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 268.234+/-0.055 χ^2/NDF : 173621.7/15

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

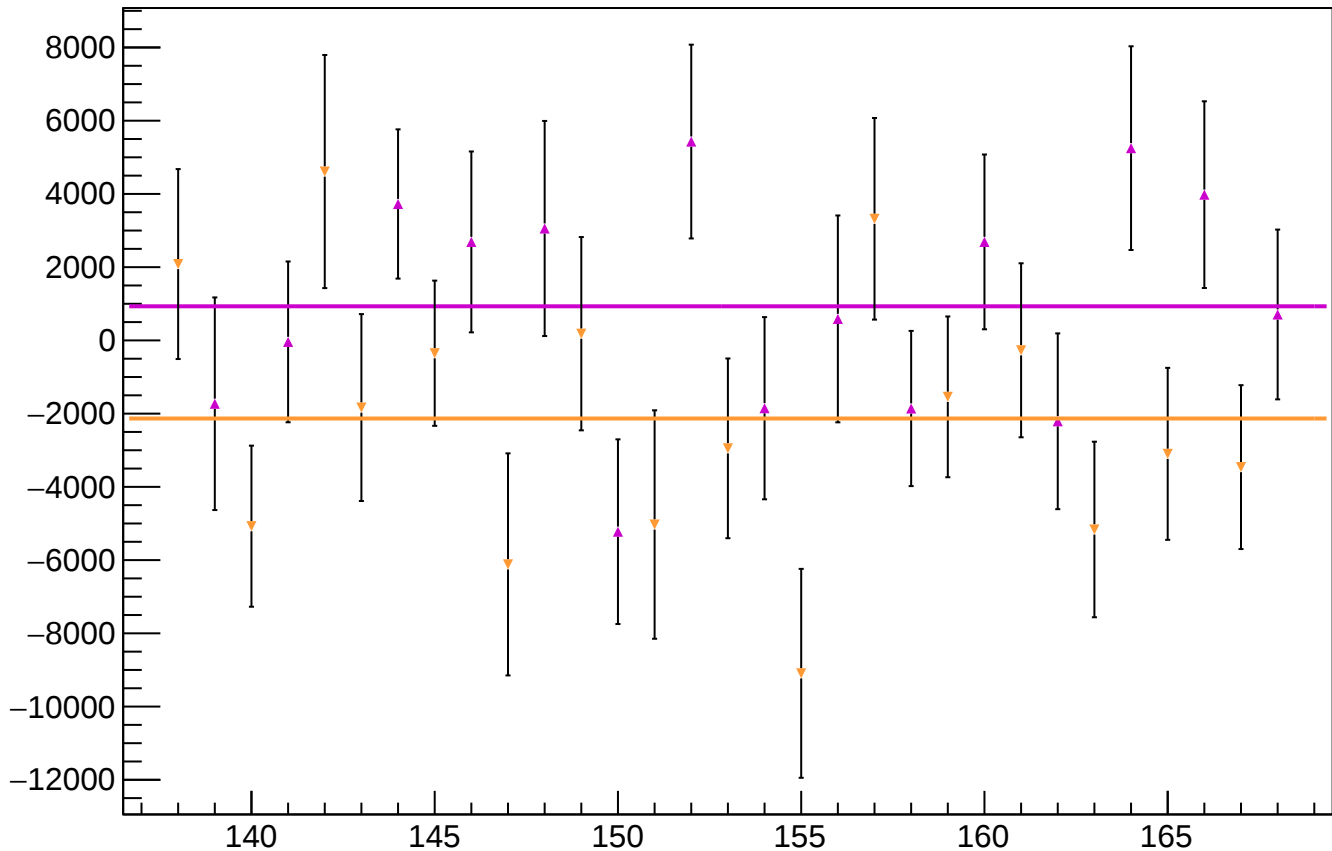
Left In: 268.548+/-0.056 χ^2/NDF : 174980.1/14

+ sign 279.328+/-0.046 χ^2/NDF : 820637.6/32

All: 280.527+/-0.033 χ^2/NDF : 1809887.0/66

- sign 281.741+/-0.047 χ^2/NDF : 987899.6/33

asym_sam2_correction_mean vs Slug



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

Left Out: -2133.012+/-622.876 χ^2/NDF :25.9/15

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

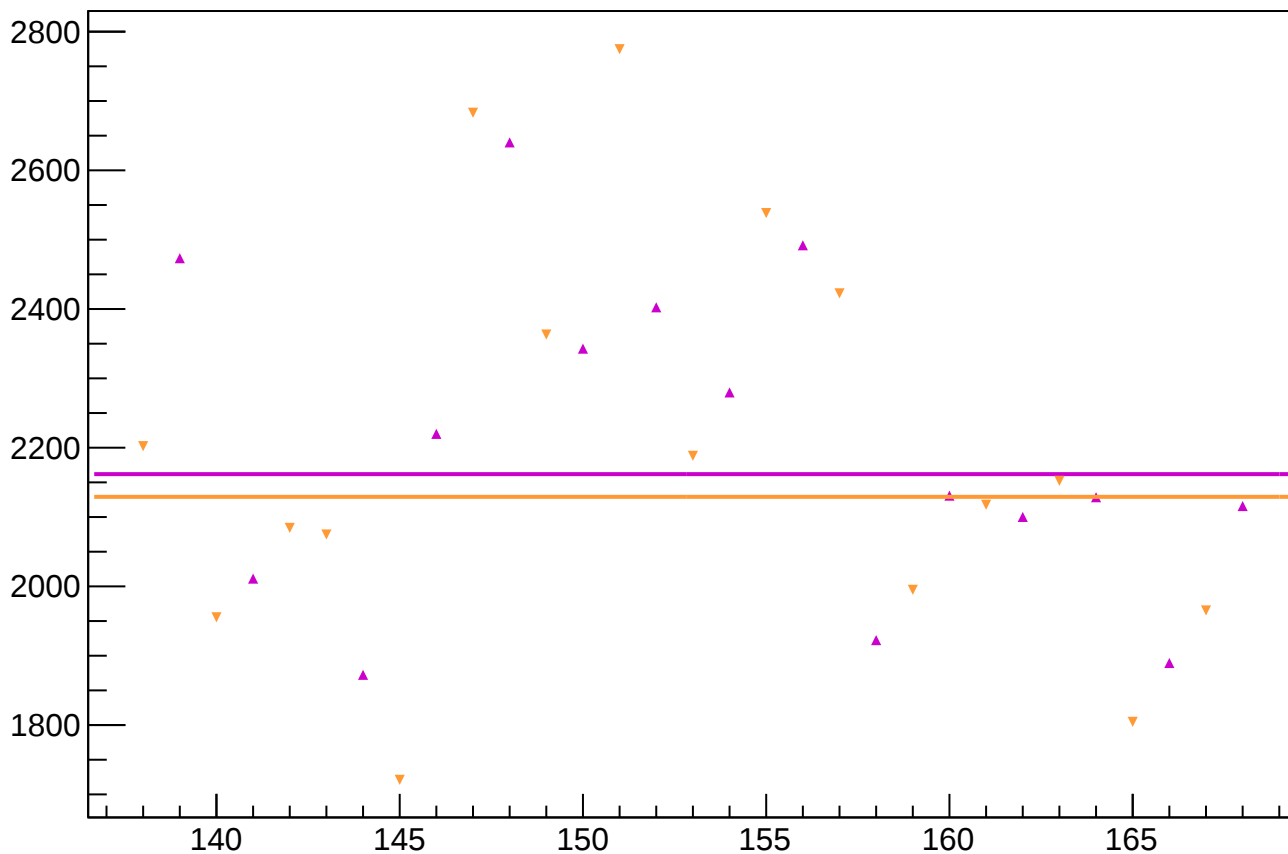
Left In: 931.431+/-635.709 χ^2/NDF :21.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -632.033+/-444.907 χ^2/NDF : 59.6/30

- 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: 2129.141+/-0.440 χ^2/NDF : 389883.7/15

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

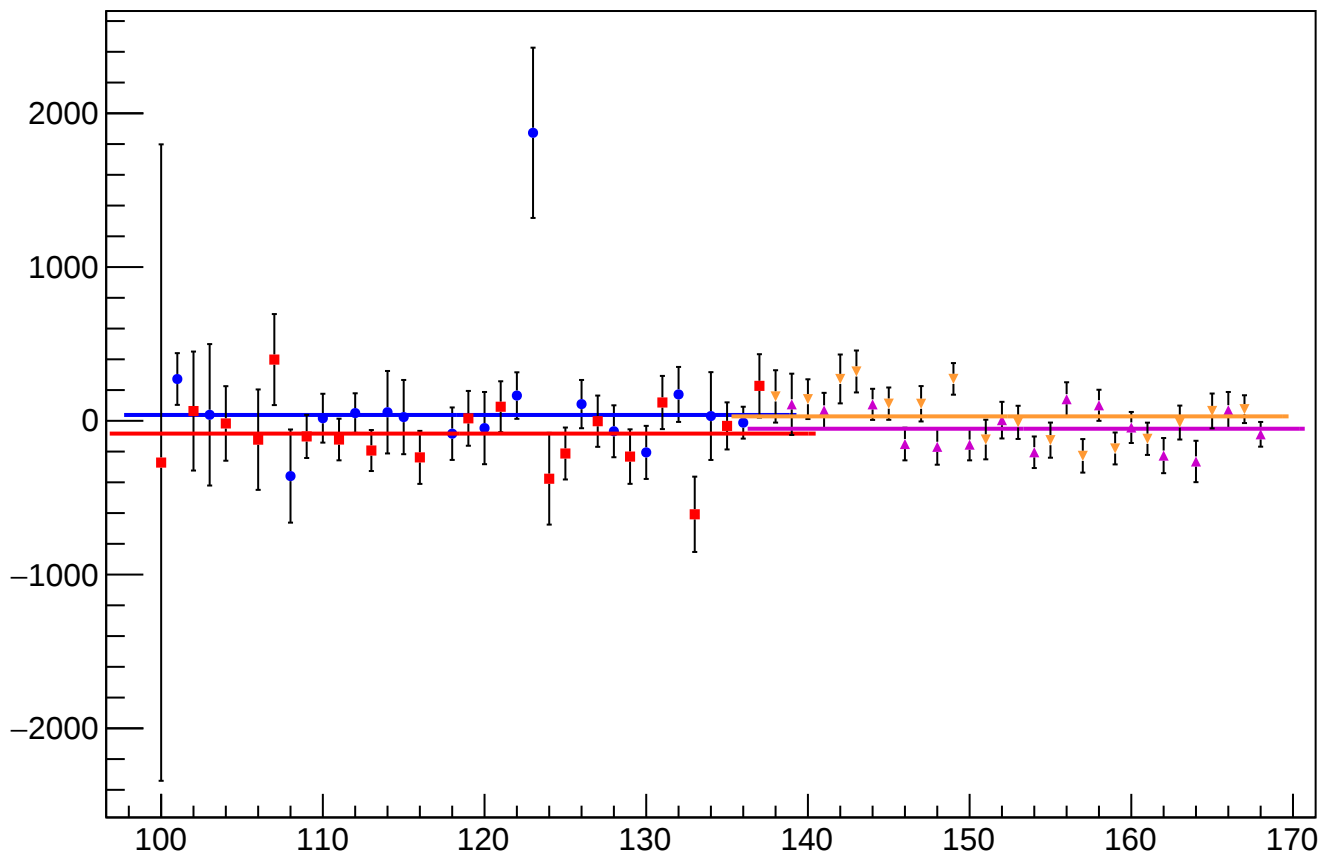
Left In: 2161.876+/-0.450 χ^2/NDF : 236642.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2145.175+/-0.315 χ^2/NDF : 629232.2/30

- 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: 28.931 ± 28.617 χ^2/NDF : 30.3/15

Right Out: -83.101 ± 43.098 χ^2/NDF : 16.7/18

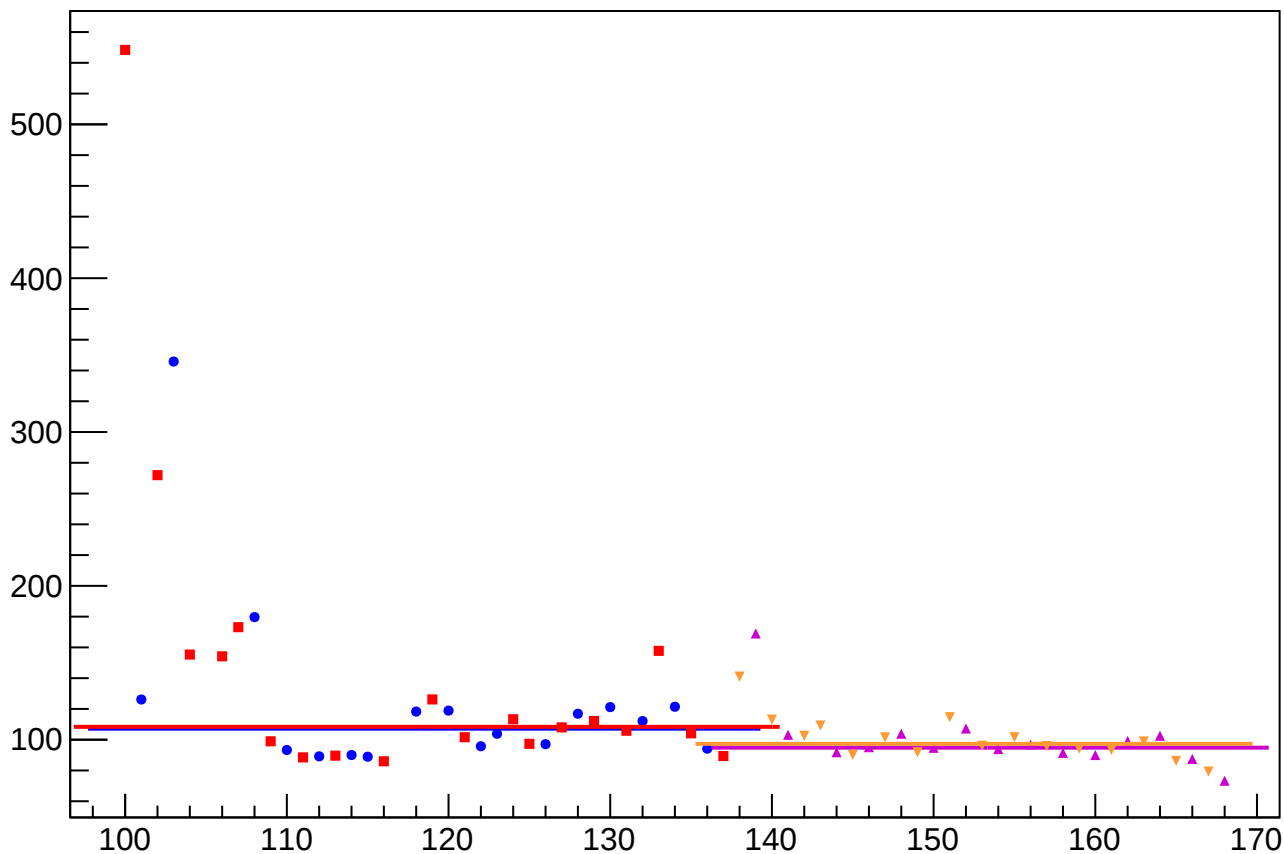
Left In: -51.511 ± 28.186 χ^2/NDF : 20.9/14

+ sign 31.704 ± 23.915 χ^2/NDF : 49.8/32

All: -15.272 ± 16.794 χ^2/NDF : 95.4/66

- sign -60.974 ± 23.589 χ^2/NDF : 38.0/33

reg_asym_sam3_rms vs Slug



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 97.310 $\pm$ 0.020 χ^2 /NDF:339916.8/15

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

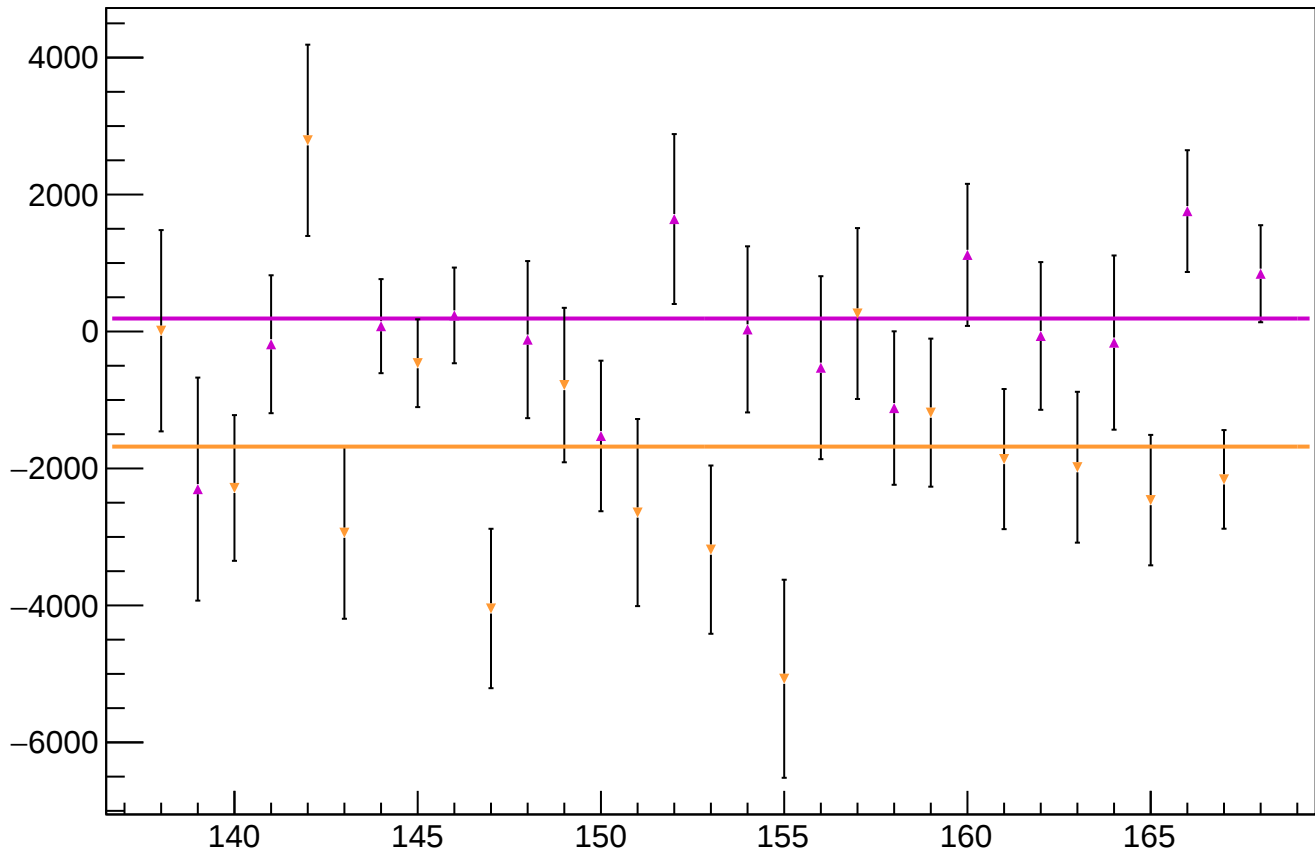
Left In: 94.820 $\pm$ 0.020 χ^2 /NDF:491588.5/14

+ sign 100.289 $\pm$ 0.017 χ^2 /NDF: 1254920.1/32

All: 99.573 $\pm$ 0.012 χ^2 /NDF: 2805569.2/66

- sign 98.876 $\pm$ 0.017 χ^2 /NDF: 1547110.4/33

asym_sam3_correction_mean vs Slug



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

Left Out: -1680.726+/-263.220 χ^2/NDF :32.6/15

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

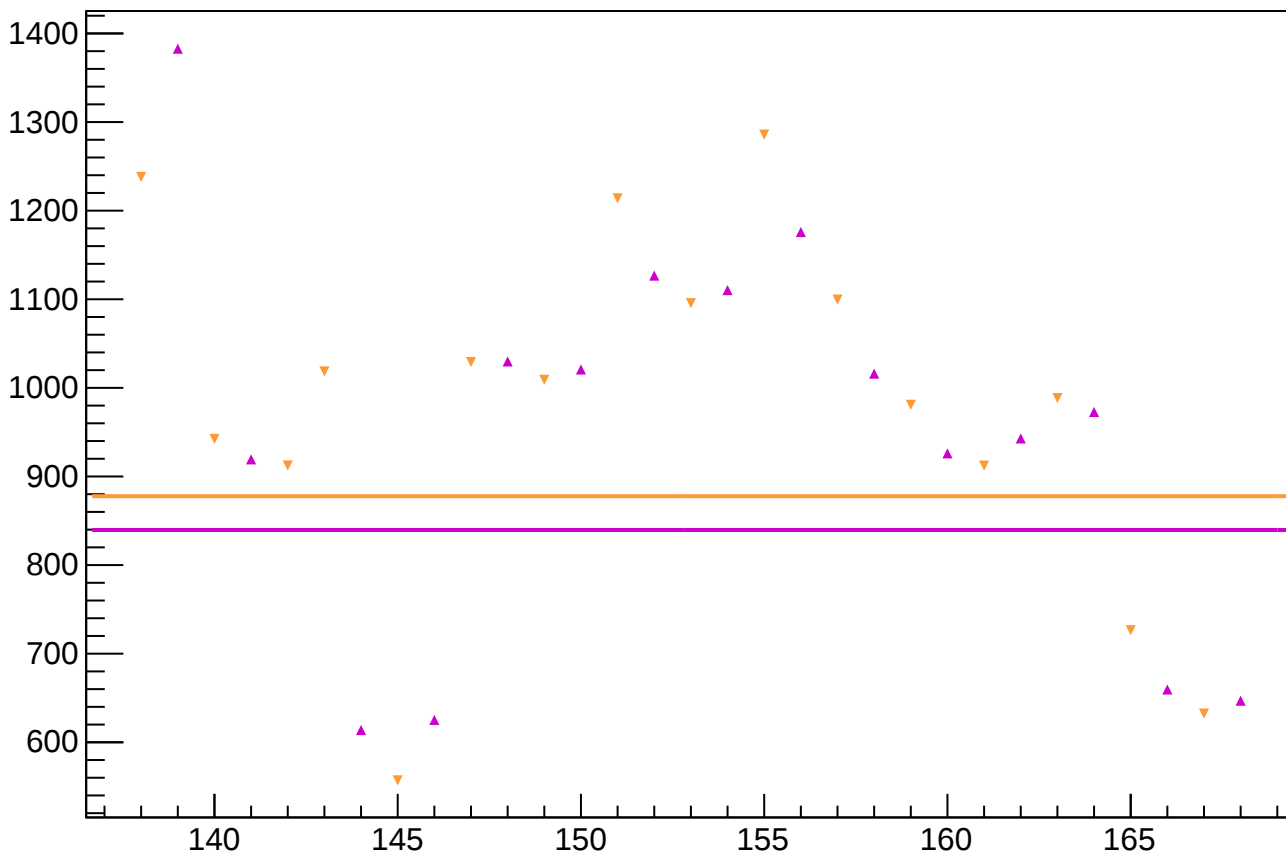
Left In: 189.625+/-254.273 χ^2/NDF :13.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -713.223+/-182.879 χ^2/NDF : 71.7/30

- 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: 877.774+/-0.186 χ^2/NDF :1445107.2/15

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

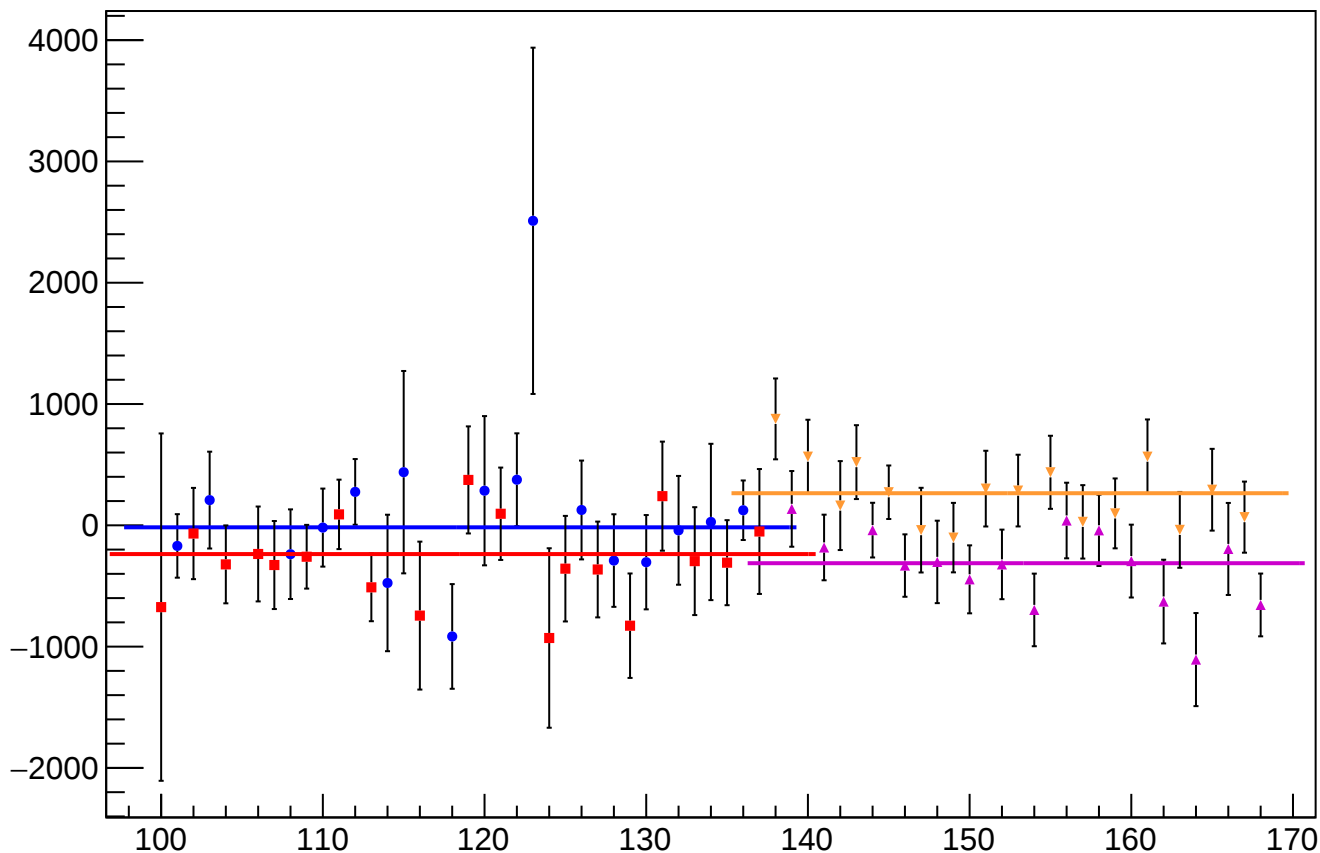
Left In: 839.622+/-0.180 χ^2/NDF :1415646.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 858.039+/-0.129 χ^2/NDF : 2882488.3/30

- 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: 264.706 ± 75.386 χ^2/NDF : 11.2/15

Right Out: -236.984 ± 88.937 χ^2/NDF : 10.3/18

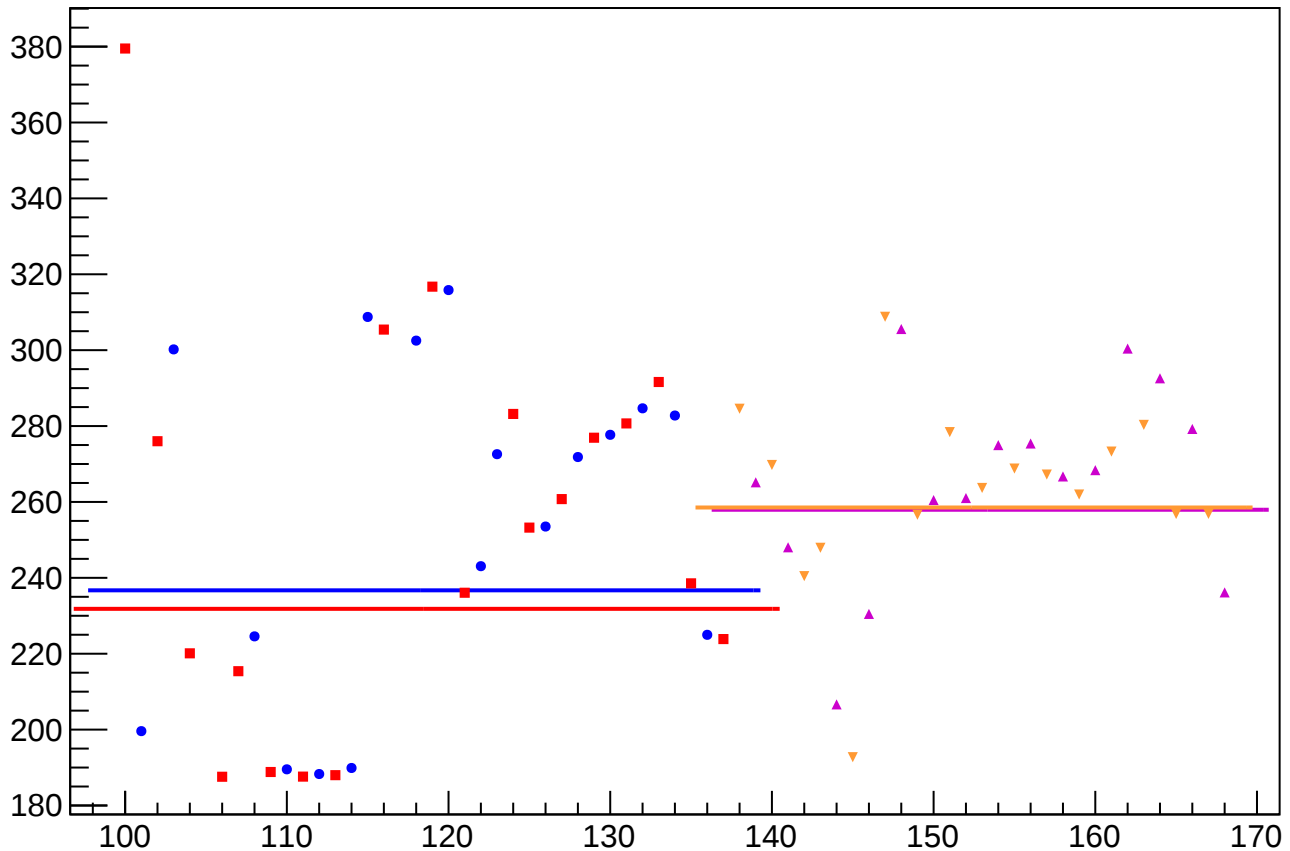
Left In: -312.254 ± 75.923 χ^2/NDF : 14.8/14

+ sign 153.626 ± 58.633 χ^2/NDF : 30.1/32

All: -66.766 ± 41.142 χ^2/NDF : 83.5/66

- sign -280.523 ± 57.744 χ^2/NDF : 25.5/33

reg_asym_sam4_rms vs Slug



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 258.536 $\pm$ 0.053 χ^2 /NDF: 269149.6/15

Right Out: 231.828 $\pm$ 0.063 χ^2 /NDF: 443276.3/18

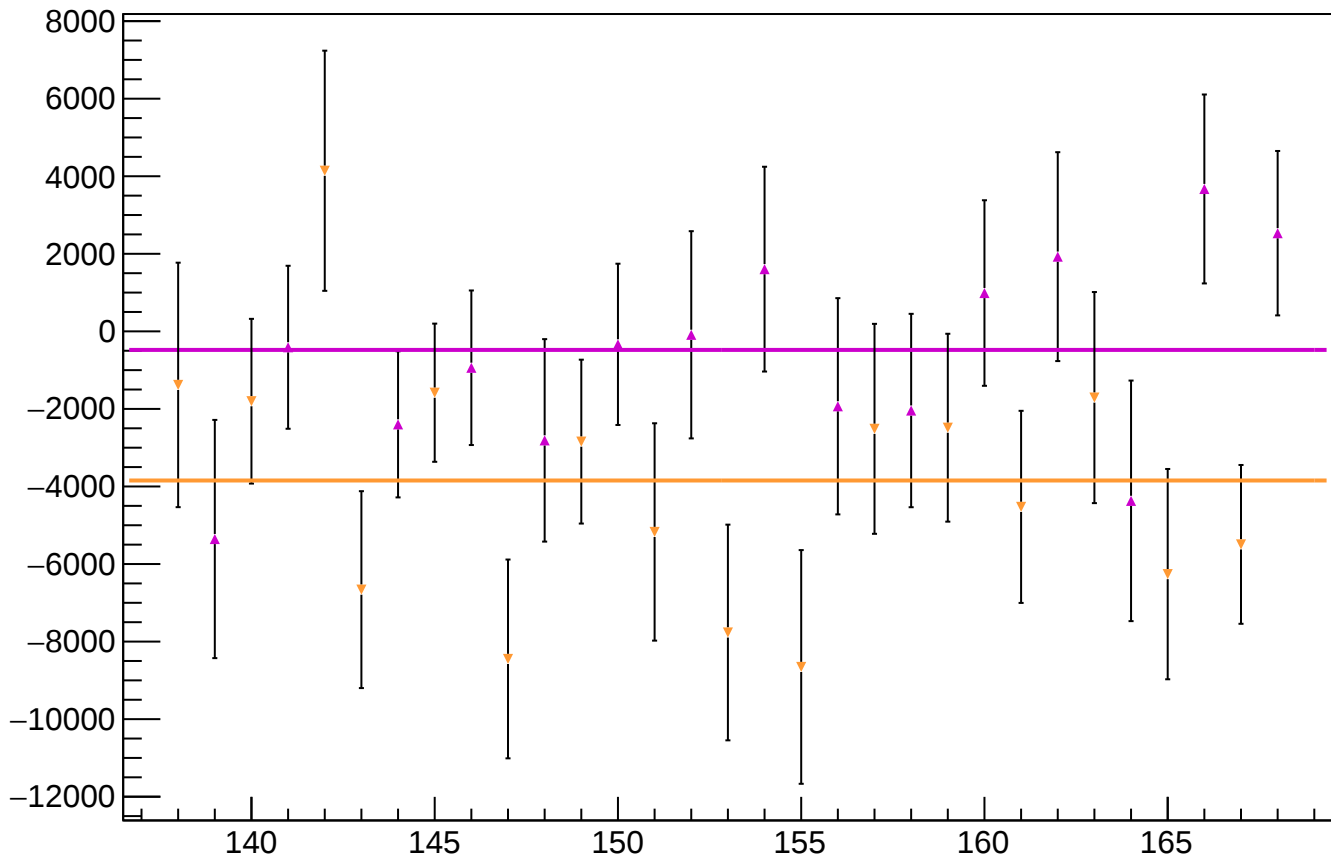
Left In: 257.943 $\pm$ 0.054 χ^2 /NDF: 253754.2/14

+ sign 249.912 $\pm$ 0.041 χ^2 /NDF: 725747.2/32

All: 248.400 $\pm$ 0.029 χ^2 /NDF: 1525142.9/66

- sign 246.934 $\pm$ 0.041 χ^2 /NDF: 796777.9/33

asym_sam4_correction_mean vs Slug



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

Left Out: -3845.824+/-617.910 χ^2/NDF :21.9/15

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

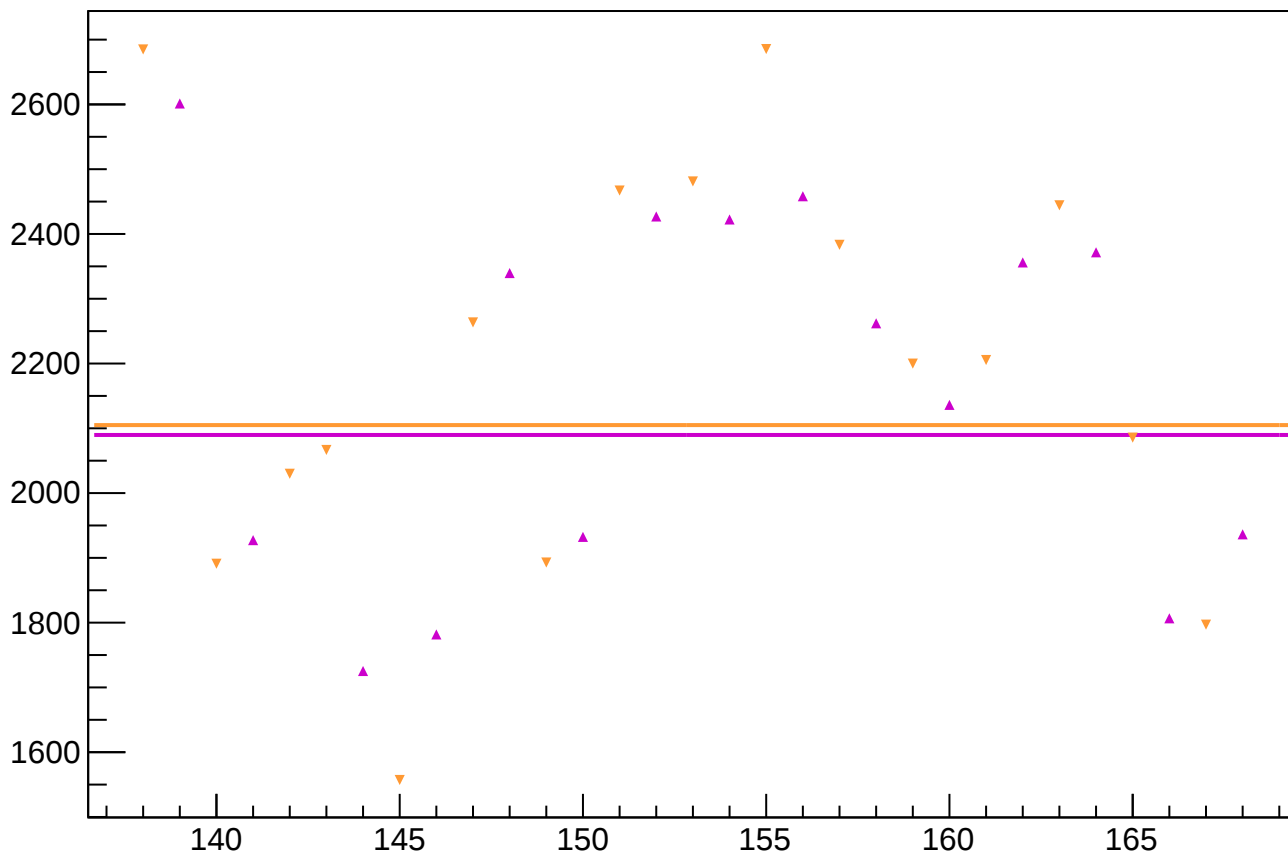
Left In: -478.421+/-617.263 χ^2/NDF :13.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2160.360+/-436.700 χ^2/NDF : 50.2/30

- 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: 2104.972+/-0.437 χ^2/NDF : 554691.4/15

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

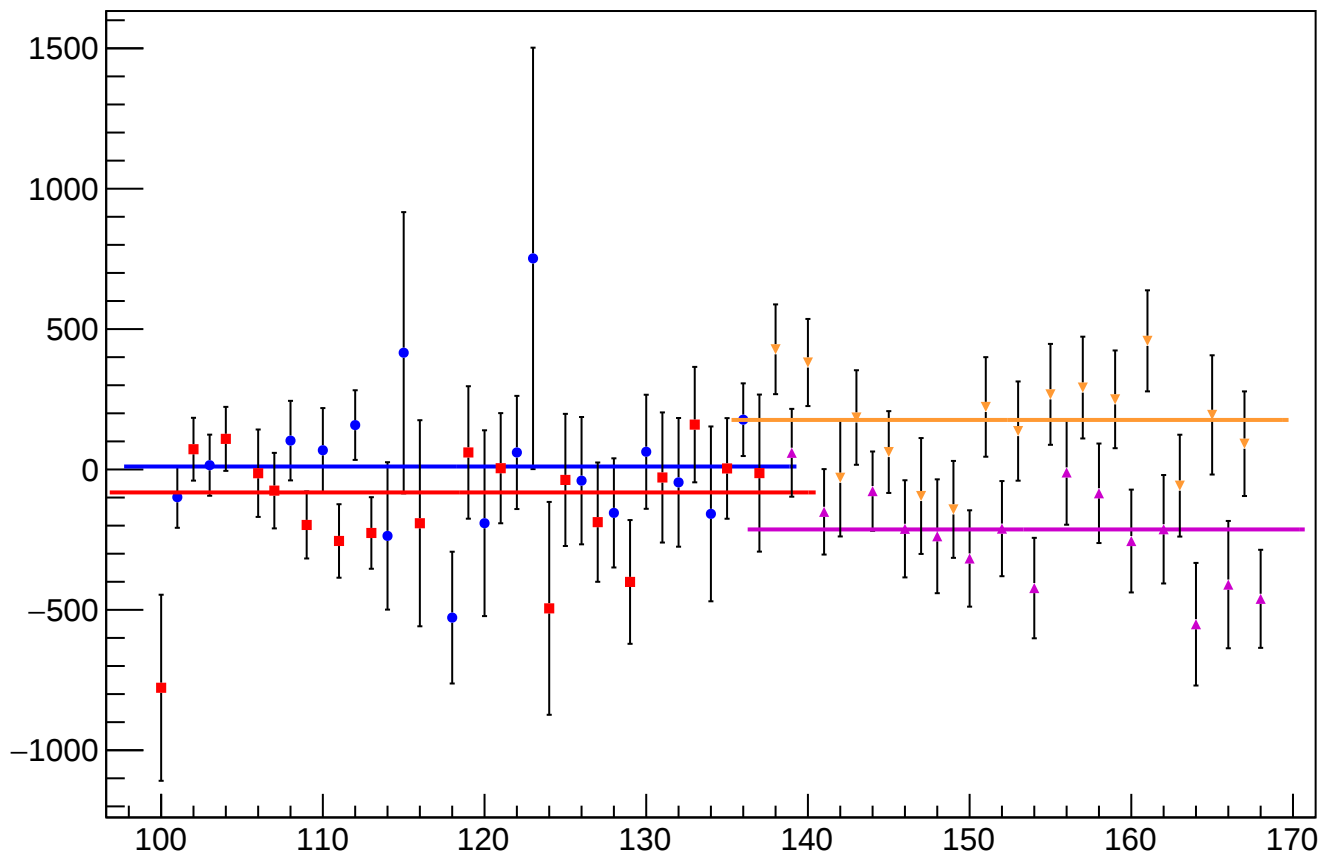
Left In: 2089.717+/-0.436 χ^2/NDF : 402238.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2097.336+/-0.309 χ^2/NDF : 957539.8/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 $\chi^2/\text{NDF}: 14.1/16$

Left Out: 176.417 ± 44.134 $\chi^2/\text{NDF}: 16.2/15$

Right Out: -81.802 ± 38.985 $\chi^2/\text{NDF}: 19.2/18$

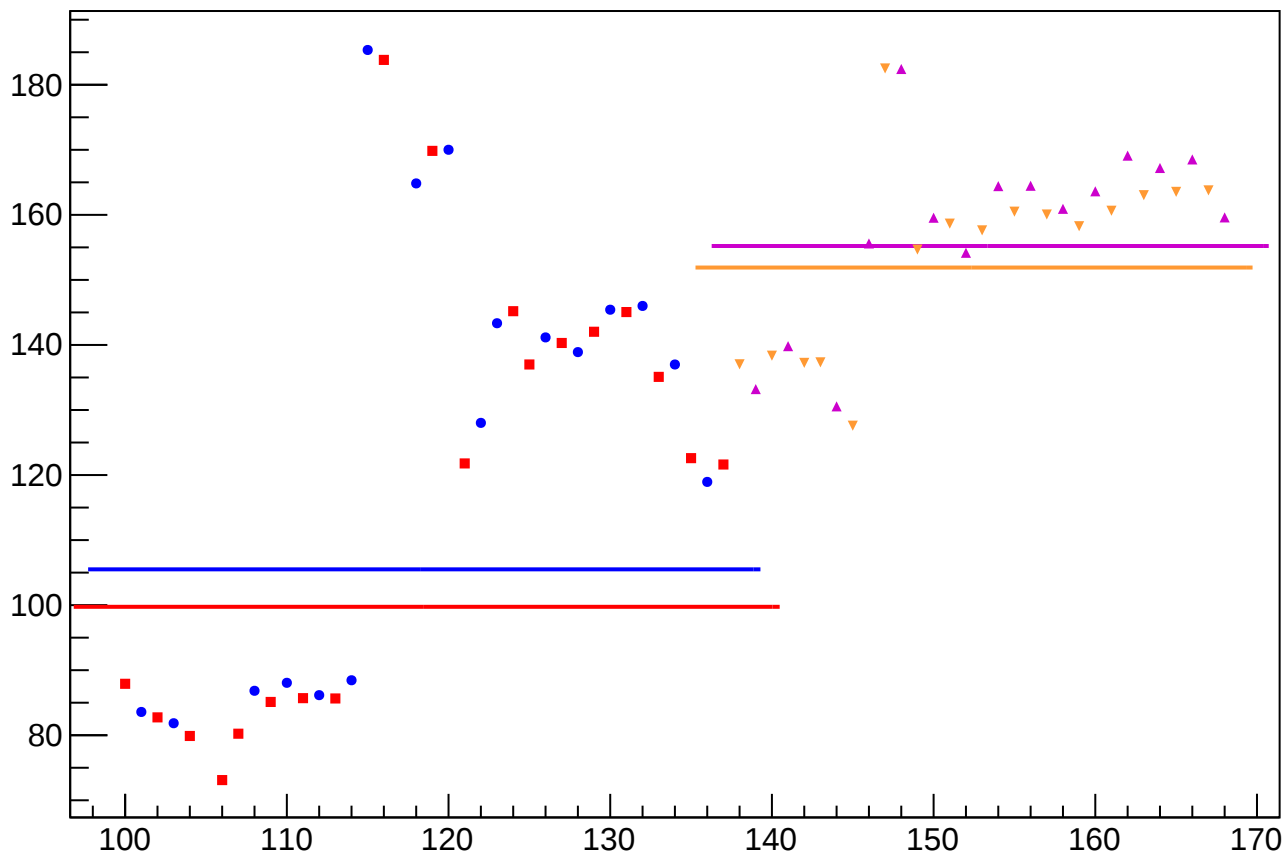
Left In: -213.591 ± 45.521 $\chi^2/\text{NDF}: 12.8/14$

+ sign 89.944 ± 30.536 $\chi^2/\text{NDF}: 37.6/32$

All: -27.313 ± 21.257 $\chi^2/\text{NDF}: 103.1/66$

- sign -137.564 ± 29.610 $\chi^2/\text{NDF}: 36.8/33$

reg_asym_sam5_rms vs Slug



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 151.902 $\pm$ 0.031 χ^2 /NDF:200168.3/15

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

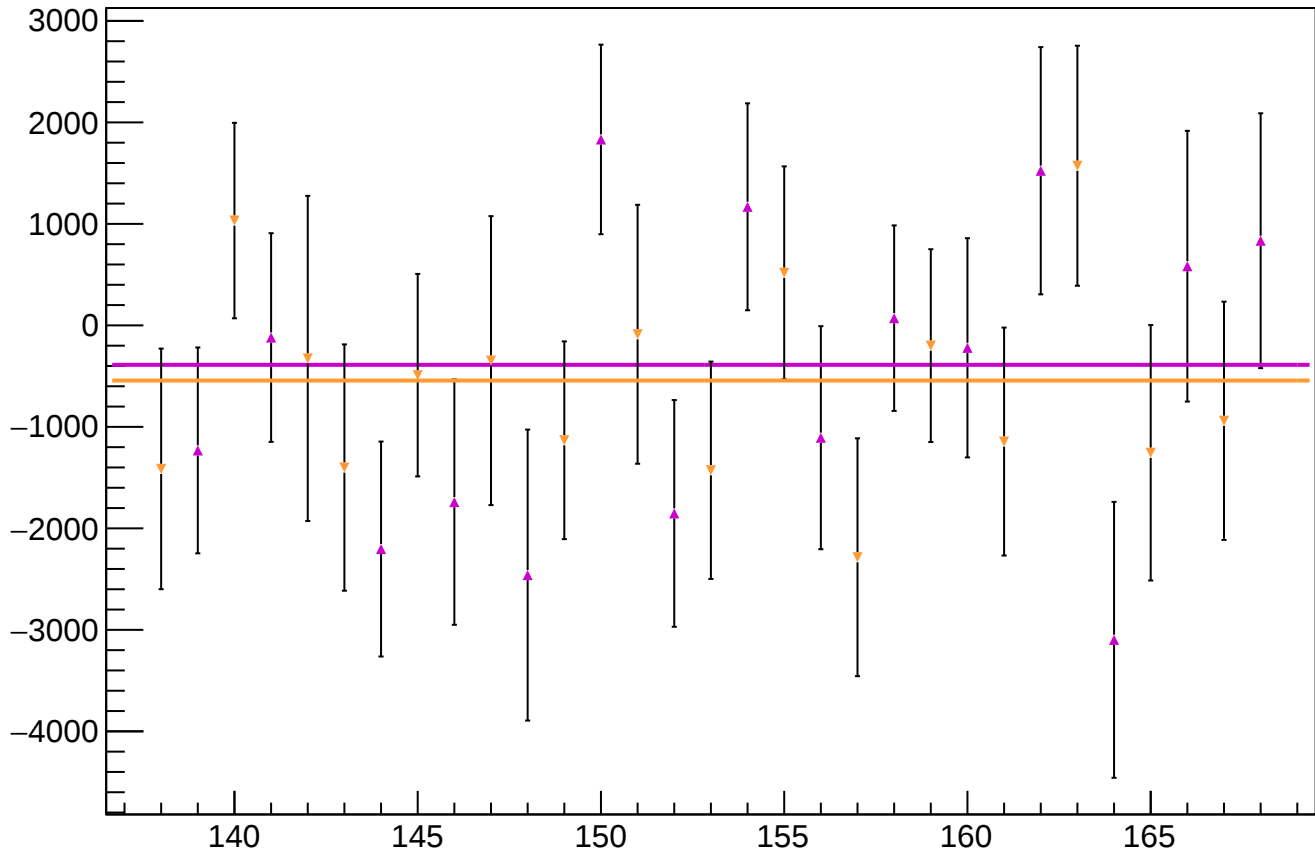
Left In: 155.213 $\pm$ 0.032 χ^2 /NDF:199540.2/14

+ sign 127.715 $\pm$ 0.022 χ^2 /NDF: 2221495.7/32

All: 125.395 $\pm$ 0.015 χ^2 /NDF: 5156677.6/66

- sign 123.214 $\pm$ 0.021 χ^2 /NDF: 2912785.4/33

asym_sam5_correction_mean vs Slug



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

Left Out: -543.438+/-282.731 χ^2/NDF : 12.2/15

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

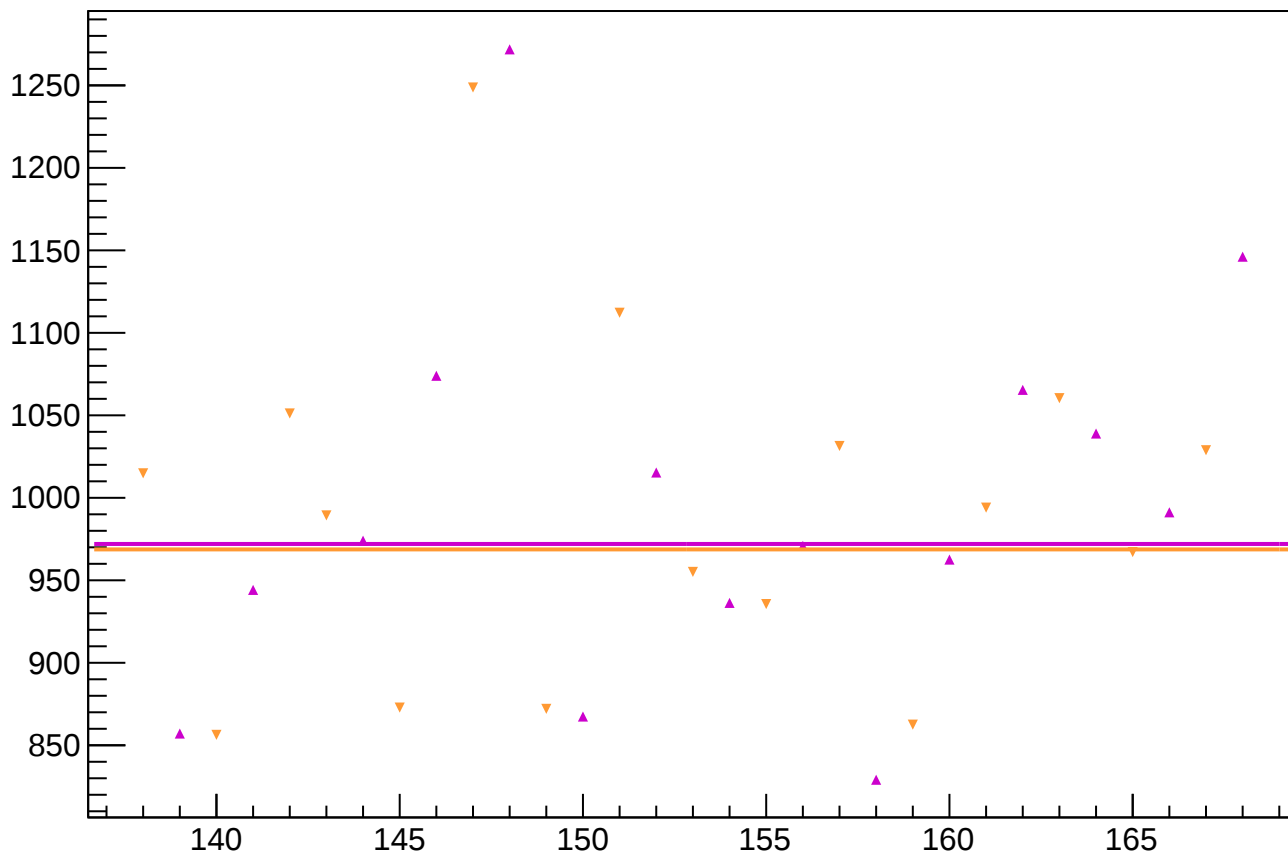
Left In: -388.766+/-286.473 χ^2/NDF : 25.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -467.119+/-201.231 χ^2/NDF : 37.7/30

- 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: 968.728+/-0.200 χ^2/NDF : 228337.9/15

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

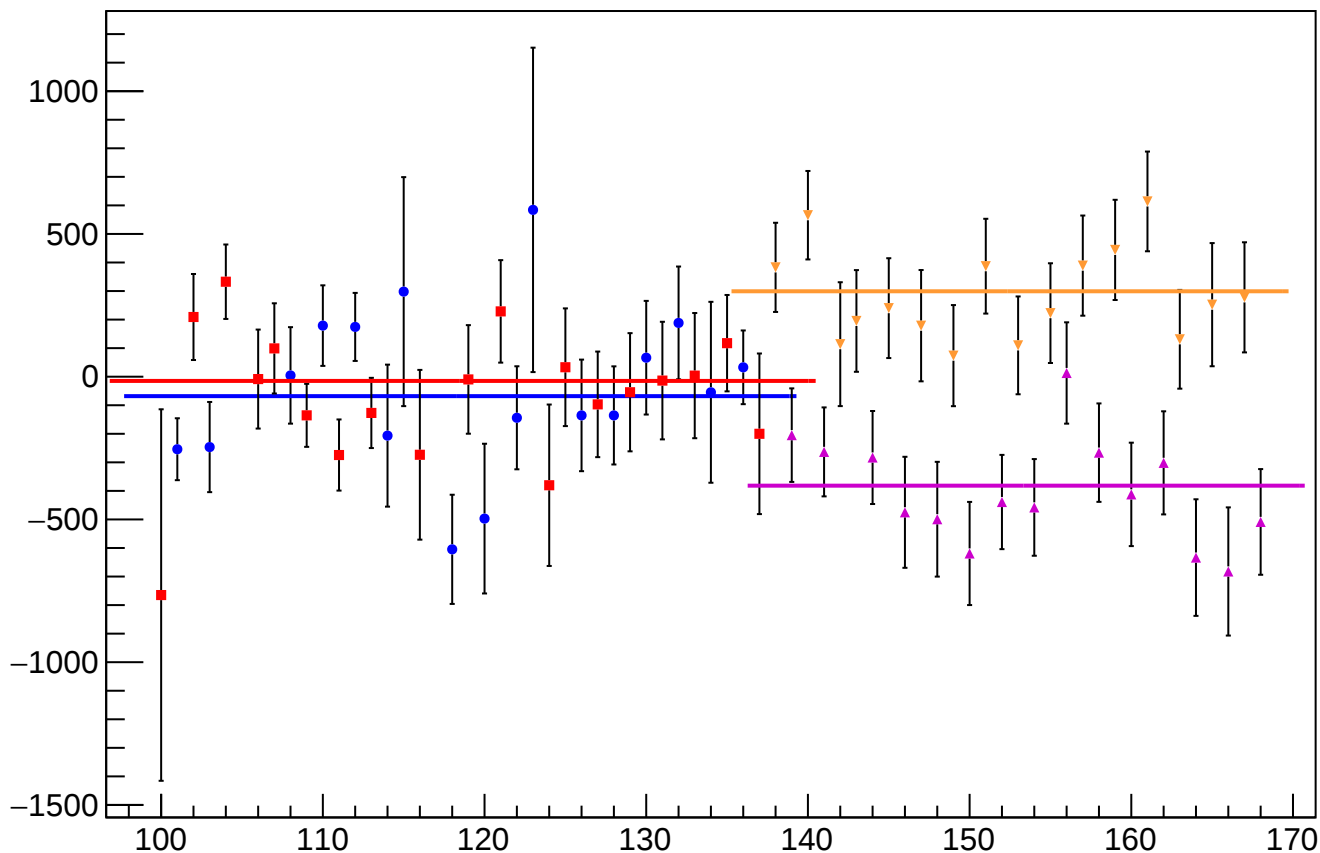
Left In: 972.032+/-0.203 χ^2/NDF : 263941.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 970.359+/-0.142 χ^2/NDF : 492413.9/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 299.178 ± 44.322 $\chi^2/\text{NDF}: 13.3/15$

Right Out: -14.800 ± 39.467 $\chi^2/\text{NDF}: 23.1/18$

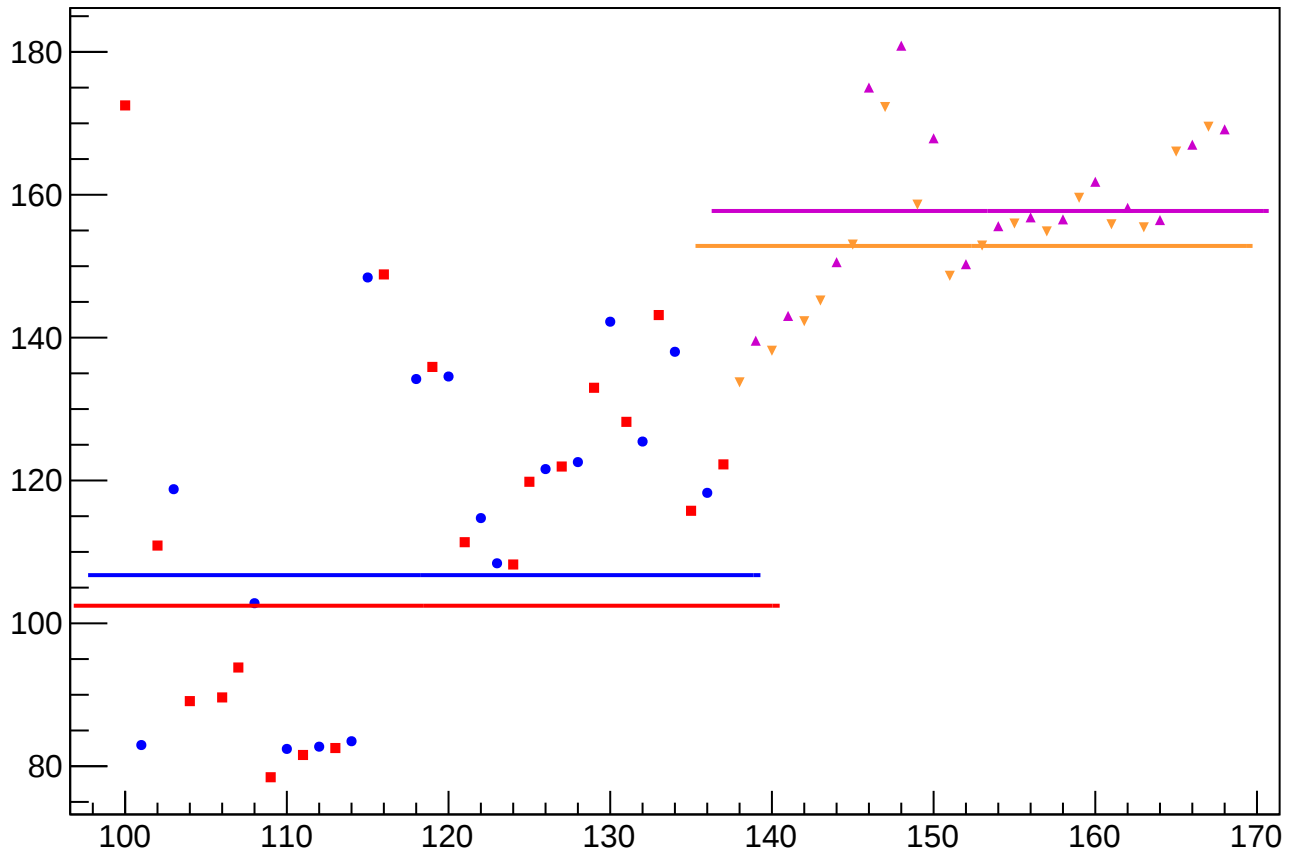
Left In: -381.691 ± 46.168 $\chi^2/\text{NDF}: 14.1/14$

+ sign 106.813 ± 30.587 $\chi^2/\text{NDF}: 77.1/32$

All: -34.131 ± 21.418 $\chi^2/\text{NDF}: 192.5/66$

- sign -169.708 ± 29.999 $\chi^2/\text{NDF}: 73.8/33$

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 152.837 $\pm$ 0.031 χ^2 /NDF:106949.7/15

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

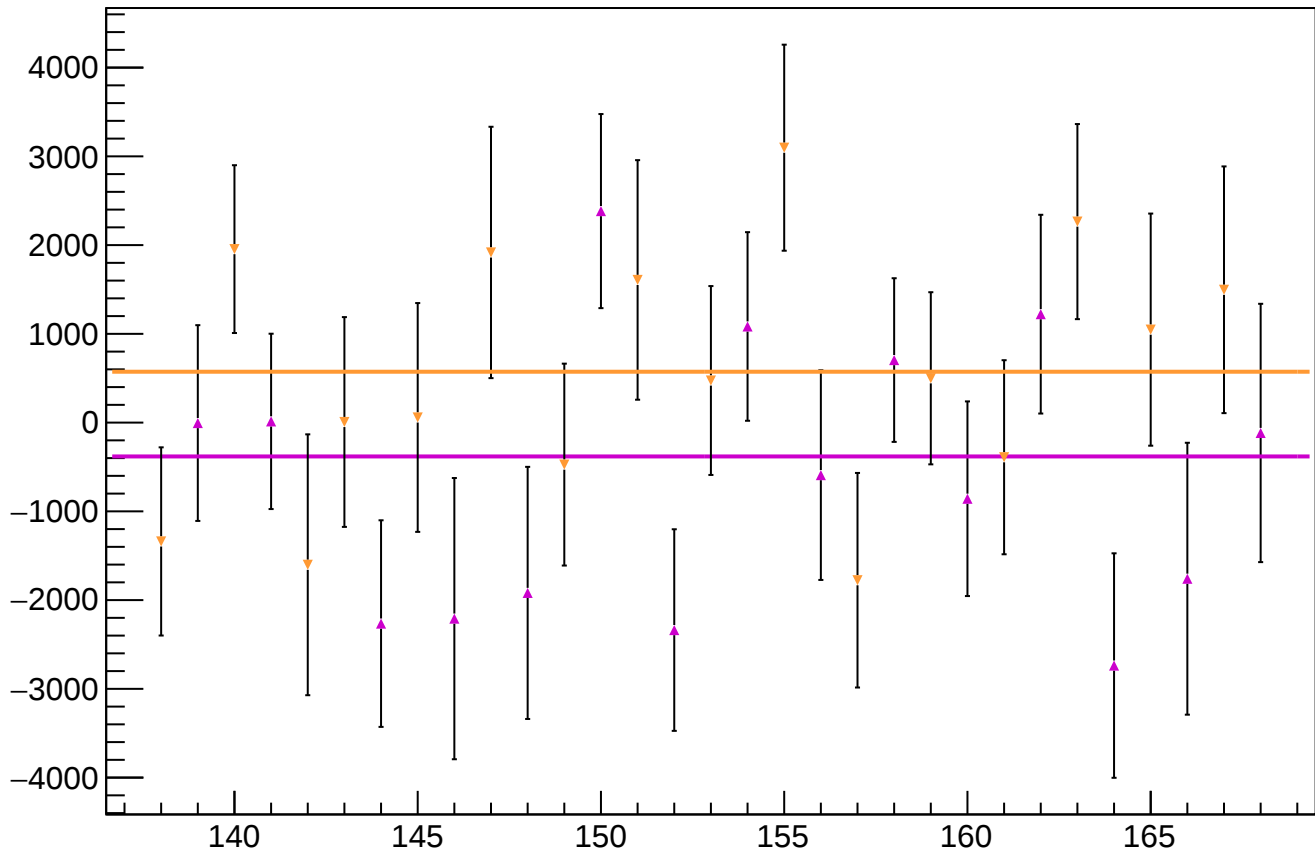
Left In: 157.732 $\pm$ 0.033 χ^2 /NDF:111570.0/14

+ sign 128.699 $\pm$ 0.022 χ^2 /NDF: 1741288.9/32

All: 127.222 $\pm$ 0.015 χ^2 /NDF: 4107134.3/66

- sign 125.801 $\pm$ 0.021 χ^2 /NDF: 2356692.1/33

asym_sam6_correction_mean vs Slug



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

Left Out: 573.240+/-291.746 χ^2/NDF : 22.5/15

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

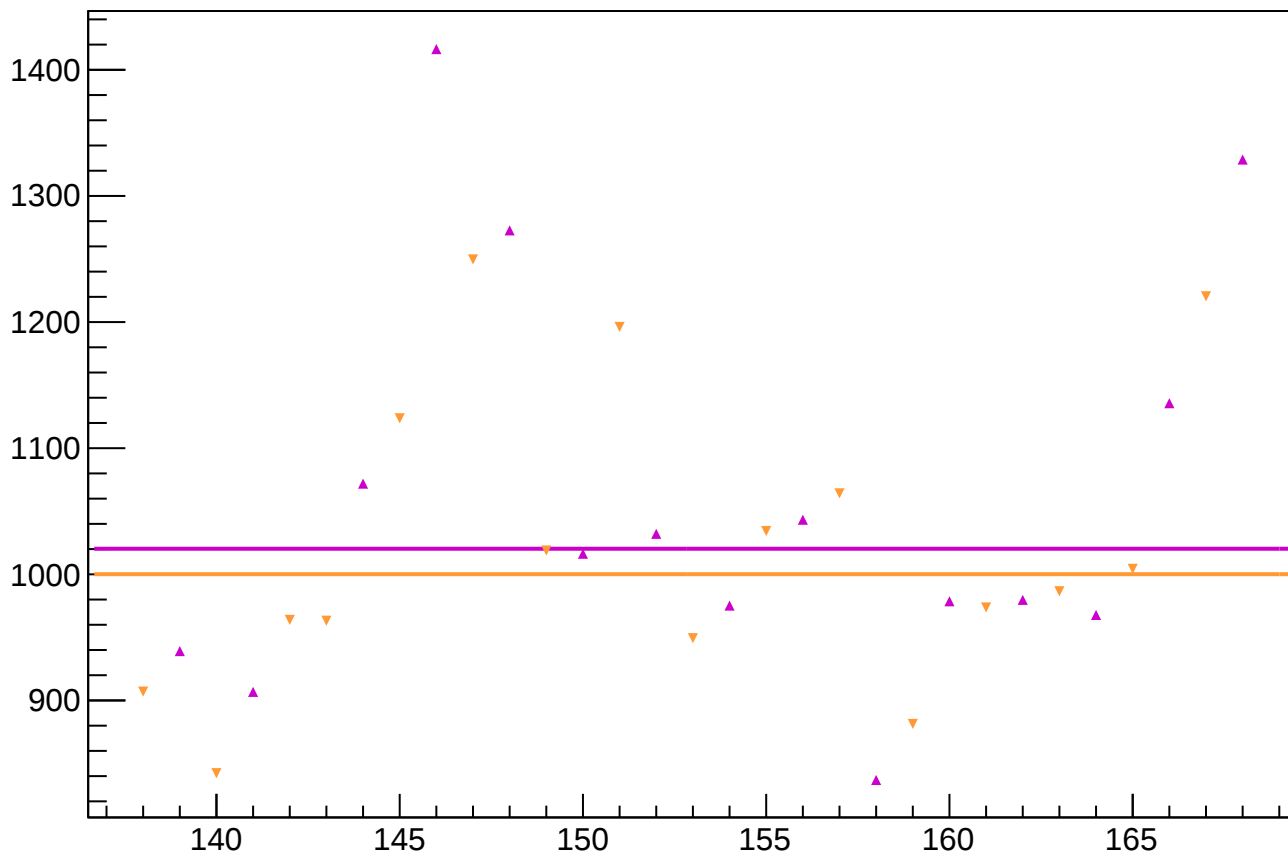
Left In: -381.309+/-301.213 χ^2/NDF : 24.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 111.200+/-209.563 χ^2/NDF : 52.3/30

- 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: 1000.098+/-0.206 χ^2/NDF :291147.7/15

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

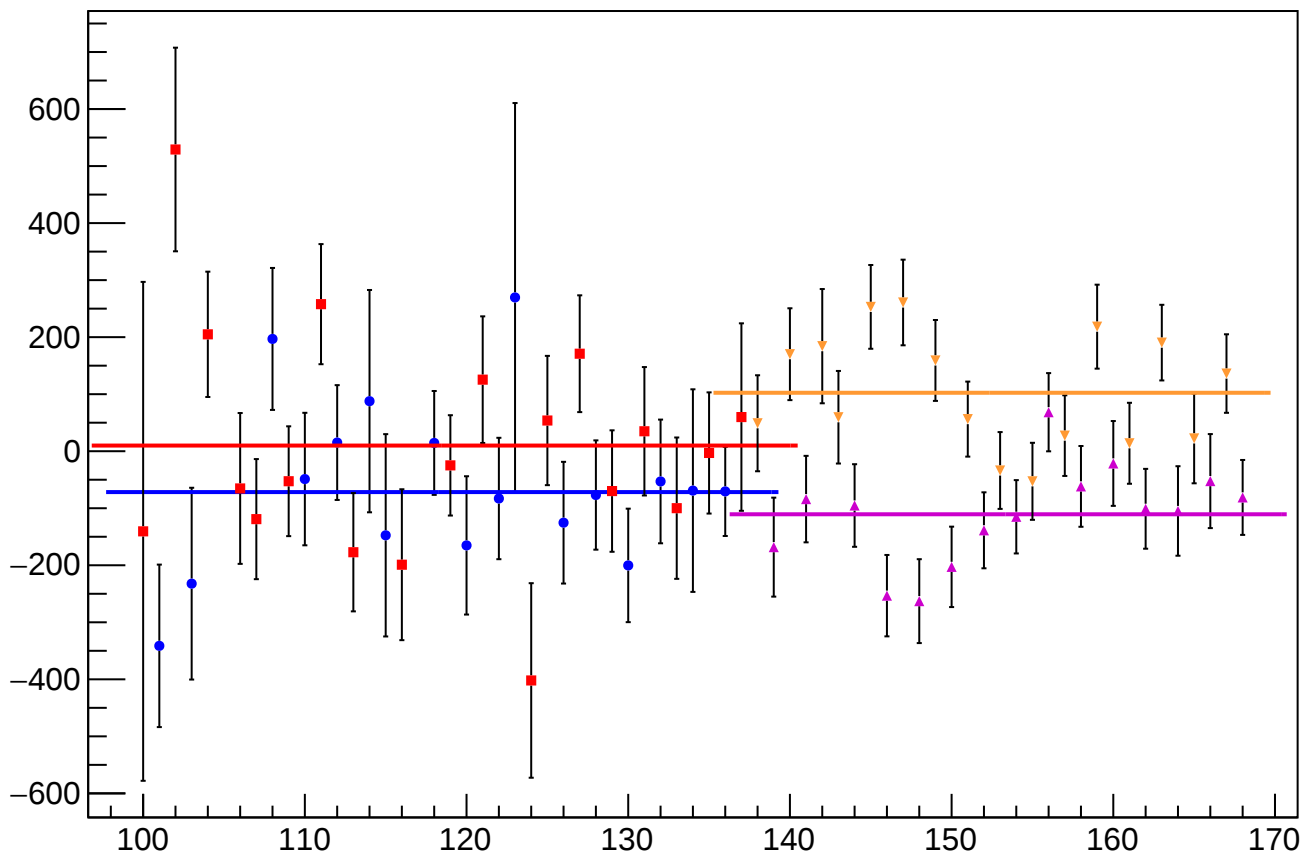
Left In: 1020.276+/-0.213 χ^2/NDF :423268.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1009.865+/-0.148 χ^2/NDF : 719046.3/30

- 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: 102.483 ± 18.376 χ^2/NDF : 29.4/15

Right Out: 9.917 ± 26.816 χ^2/NDF : 36.5/18

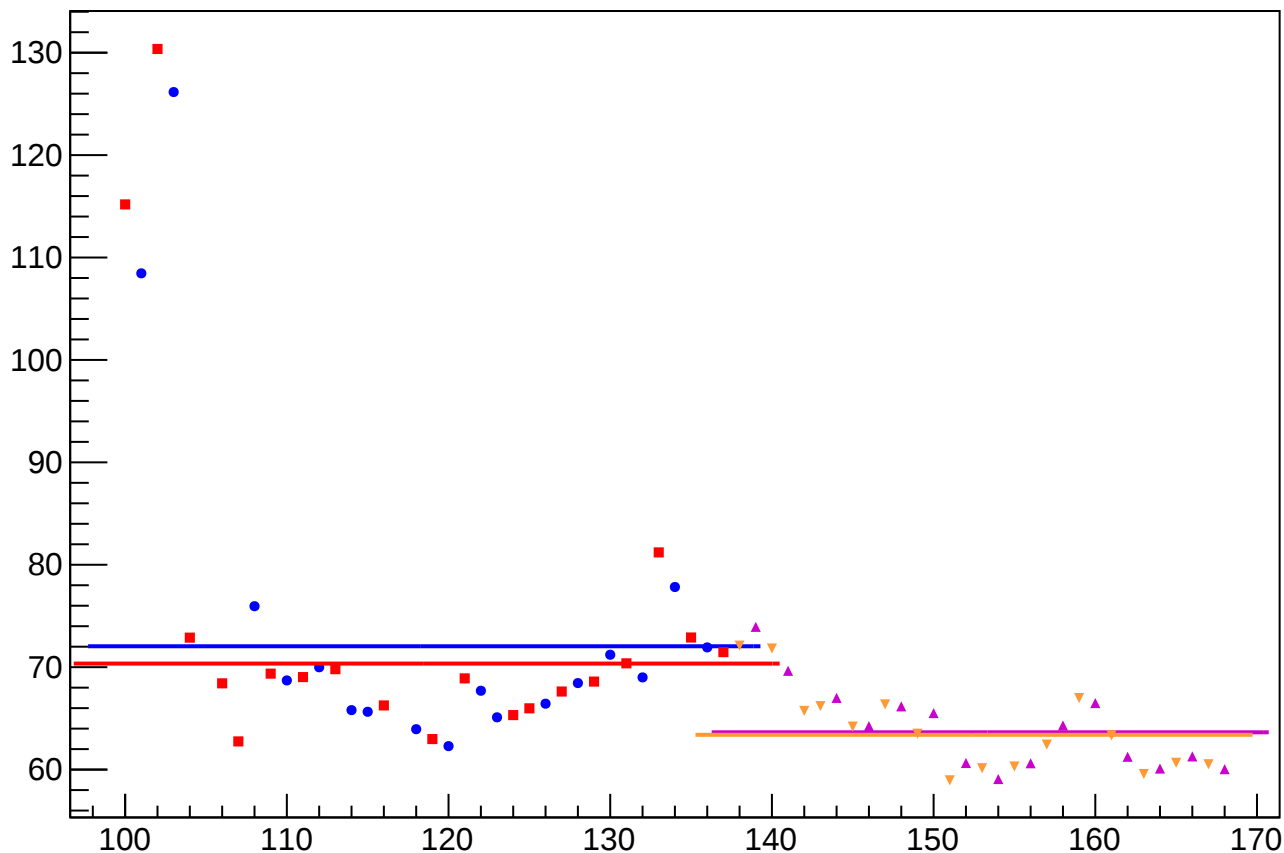
Left In: -110.583 ± 18.618 χ^2/NDF : 20.2/14

+ sign 50.982 ± 15.421 χ^2/NDF : 71.2/32

All: -10.715 ± 10.859 χ^2/NDF : 173.3/66

- sign -71.391 ± 15.293 χ^2/NDF : 70.3/33

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 63.397 $\pm$ 0.013 χ^2 /NDF: 85843.0/15

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

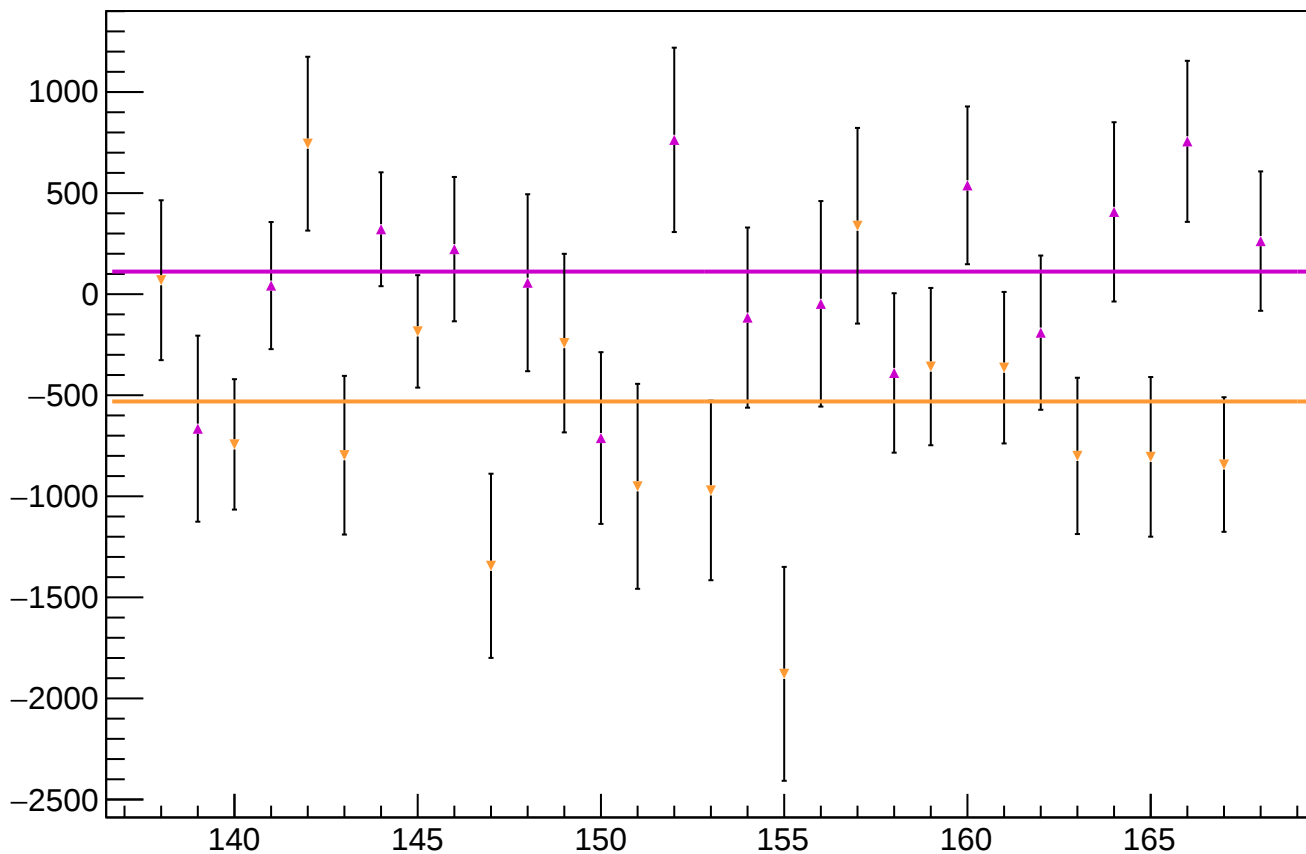
Left In: 63.641 $\pm$ 0.013 χ^2 /NDF: 84080.3/14

+ sign 65.954 $\pm$ 0.011 χ^2 /NDF: 608733.2/32

All: 65.888 $\pm$ 0.008 χ^2 /NDF: 1076378.8/66

- sign 65.823 $\pm$ 0.011 χ^2 /NDF: 467573.9/33

asym_sam7_correction_mean vs Slug



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

Left Out: -530.861+/-98.340 χ^2/NDF : 30.8/15

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

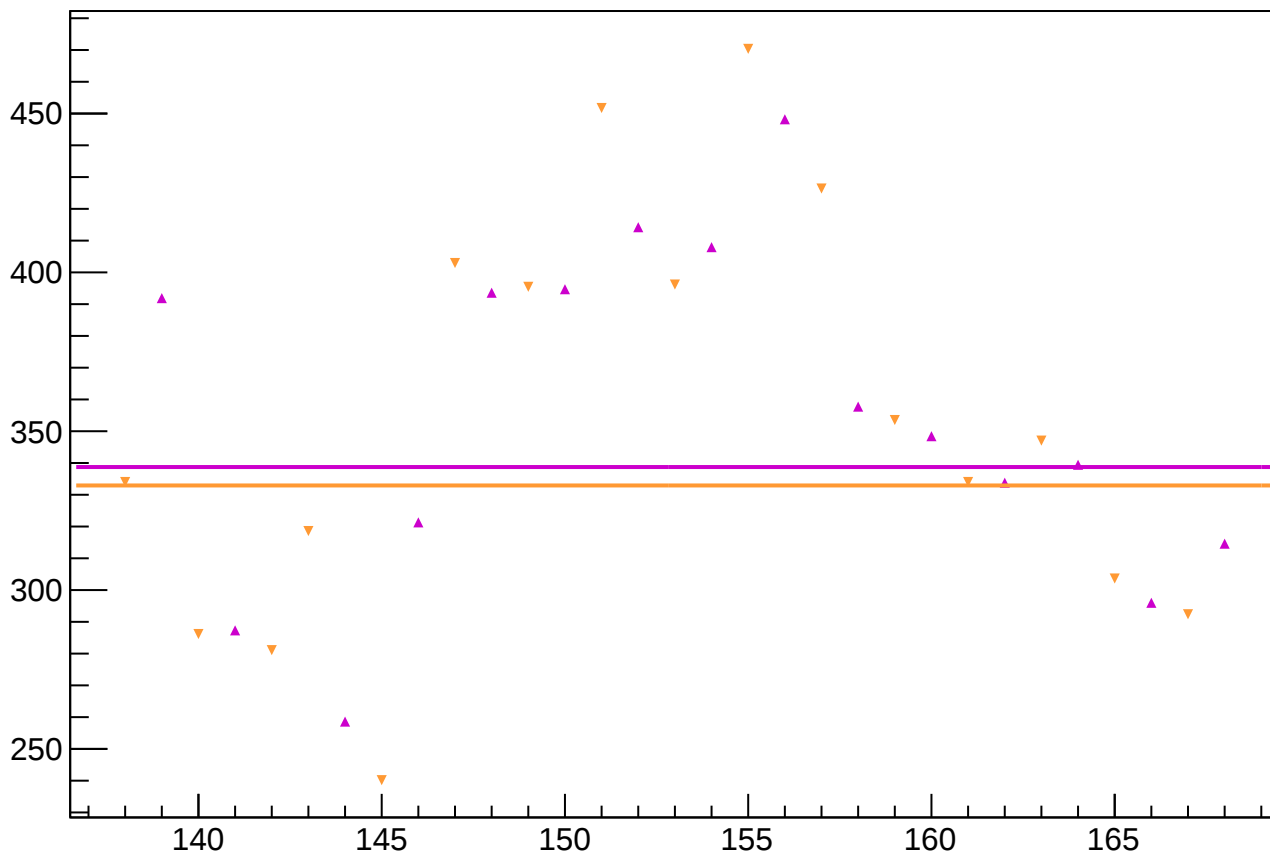
Left In: 111.640+/-100.294 χ^2/NDF : 16.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -215.930+/-70.217 χ^2/NDF : 68.1/30

- 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: 332.928+/-0.070 χ^2/NDF : 792342.6/15

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

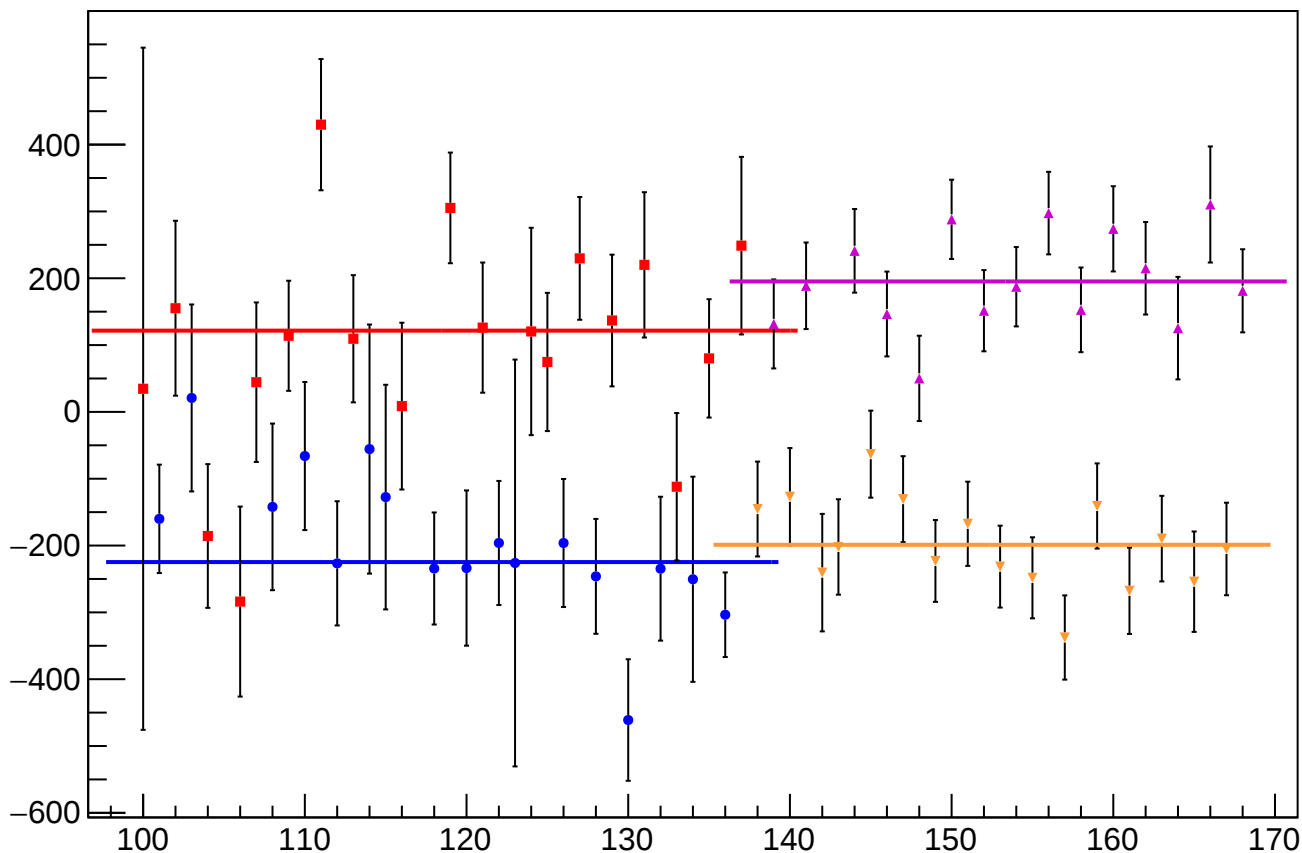
Left In: 338.727+/-0.071 χ^2/NDF : 547692.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 335.771+/-0.050 χ^2/NDF : 1343443.3/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -198.875 ± 16.633 χ^2/NDF : 16.0/15

Right Out: 121.633 ± 24.599 χ^2/NDF : 40.5/18

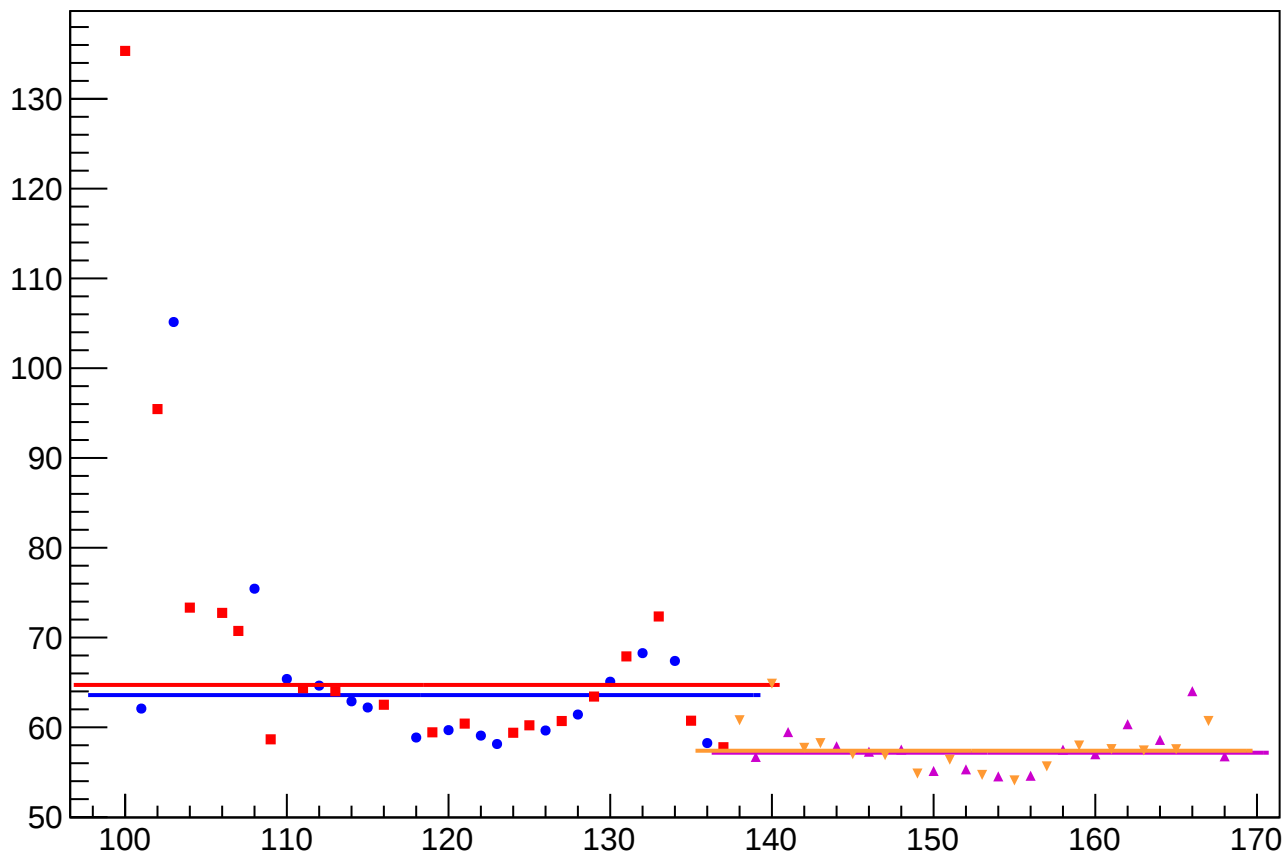
Left In: 195.216 ± 16.717 χ^2/NDF : 17.6/14

+ sign -206.860 ± 13.828 χ^2/NDF : 32.7/32

All: -17.430 ± 9.777 χ^2/NDF : 472.2/66

- sign 171.969 ± 13.827 χ^2/NDF : 64.2/33

reg_asym_sam8_rms vs Slug



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 57.391+/-0.012 χ^2/NDF : 46104.8/15

Right Out: 64.720+/-0.017 χ^2/NDF : 227506.4/18

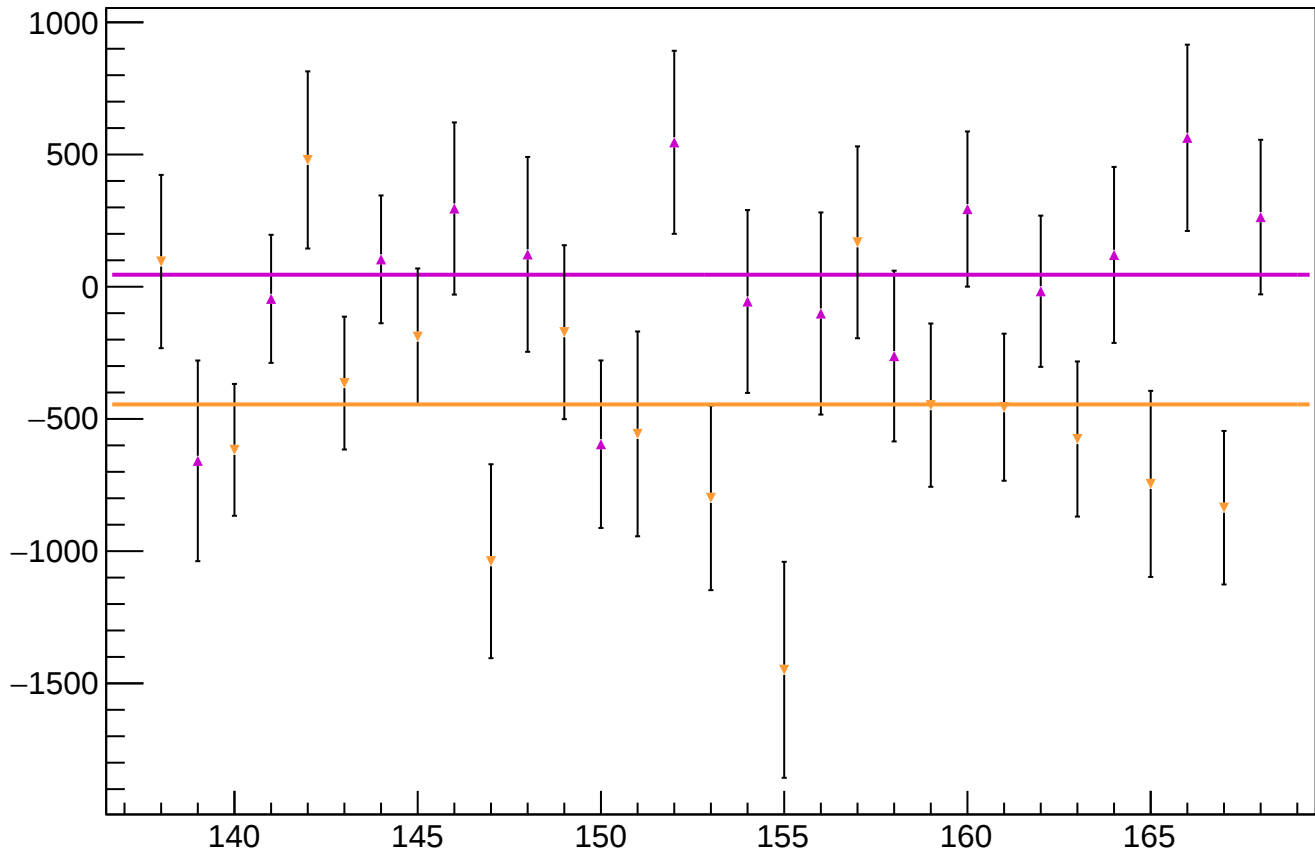
Left In: 57.169+/-0.012 χ^2/NDF : 32062.1/14

+ sign 59.305+/-0.010 χ^2/NDF : 366484.8/32

All: 59.430+/-0.007 χ^2/NDF : 755288.4/66

- sign 59.555+/-0.010 χ^2/NDF : 388478.6/33

asym_sam8_correction_mean vs Slug



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

Left Out: -445.069 $\pm$ 77.779 χ^2 /NDF: 27.9/15

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

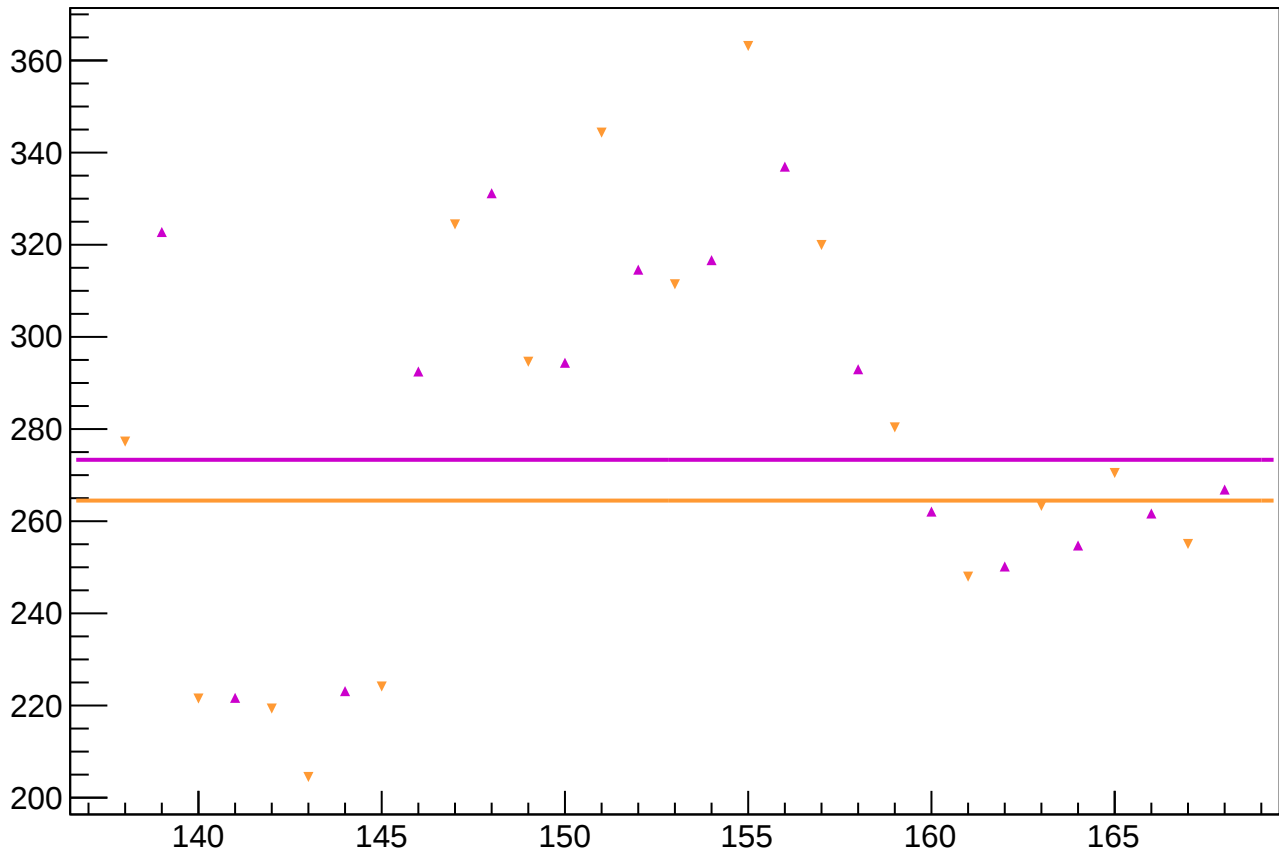
Left In: 45.366 $\pm$ 80.669 χ^2 /NDF: 15.1/14

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

All: -208.793 $\pm$ 55.992 χ^2 /NDF: 62.2/30

- 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: 264.478+/-0.055 χ^2/NDF : 631635.9/15

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

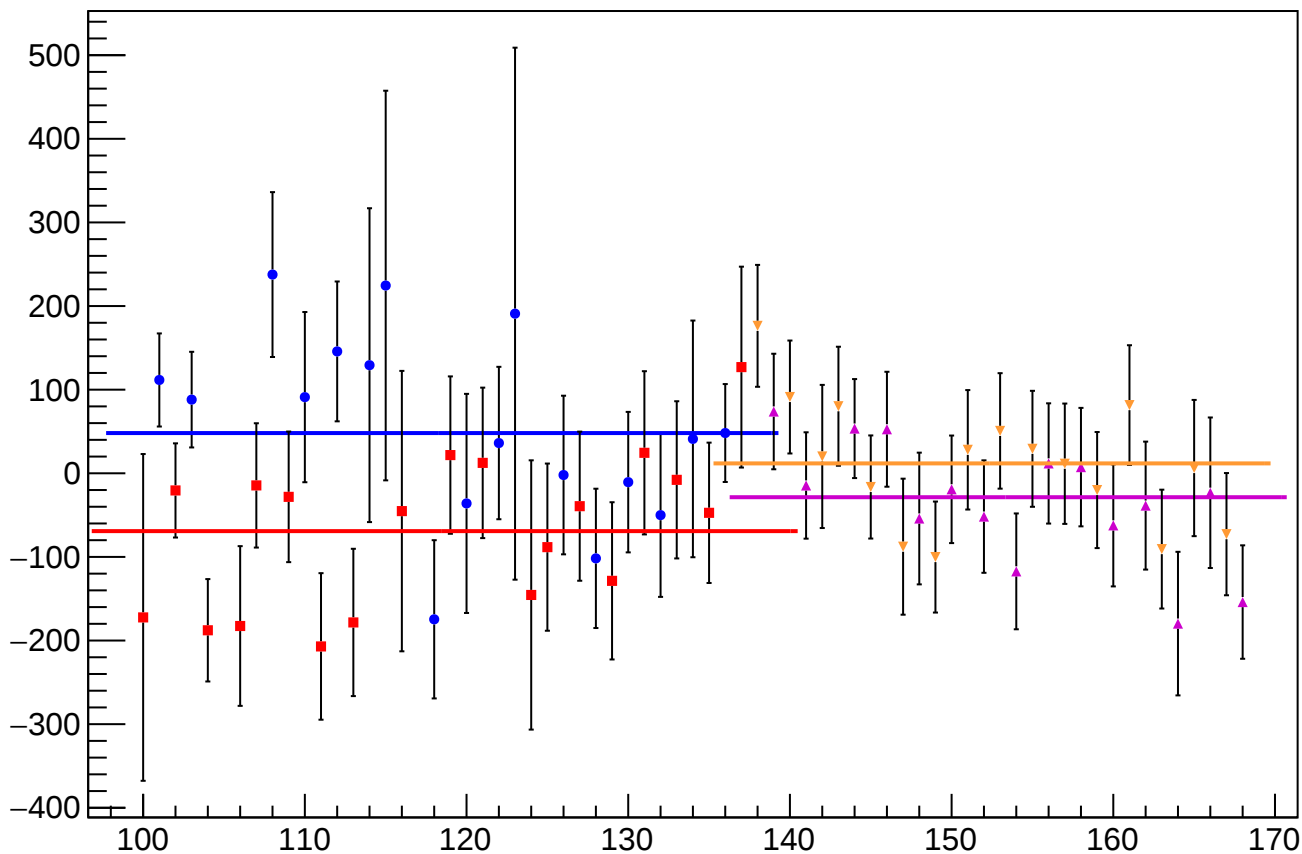
Left In: 273.329+/-0.057 χ^2/NDF : 424458.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 268.742+/-0.040 χ^2/NDF : 1068571.8/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 11.832+/-17.879 χ^2/NDF : 17.0/15

Right Out: -69.156+/-20.407 χ^2/NDF : 17.7/18

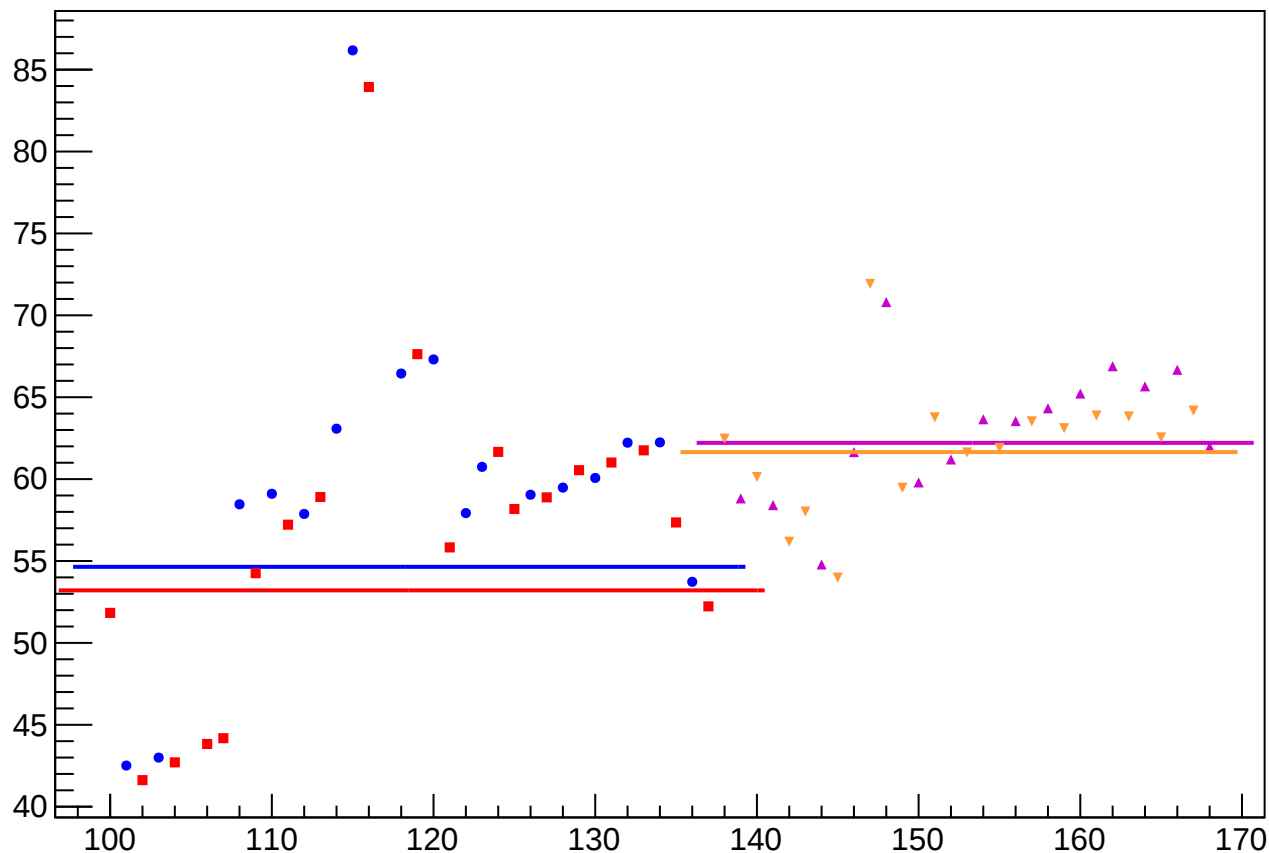
Left In: -28.603+/-18.214 χ^2/NDF : 14.8/14

+ sign 26.654+/-13.749 χ^2/NDF : 37.6/32

All: -10.396+/-9.665 χ^2/NDF : 86.6/66

- sign -46.584+/-13.589 χ^2/NDF : 34.6/33

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 61.650 $\pm$ 0.013 χ^2 /NDF: 90089.4/15

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

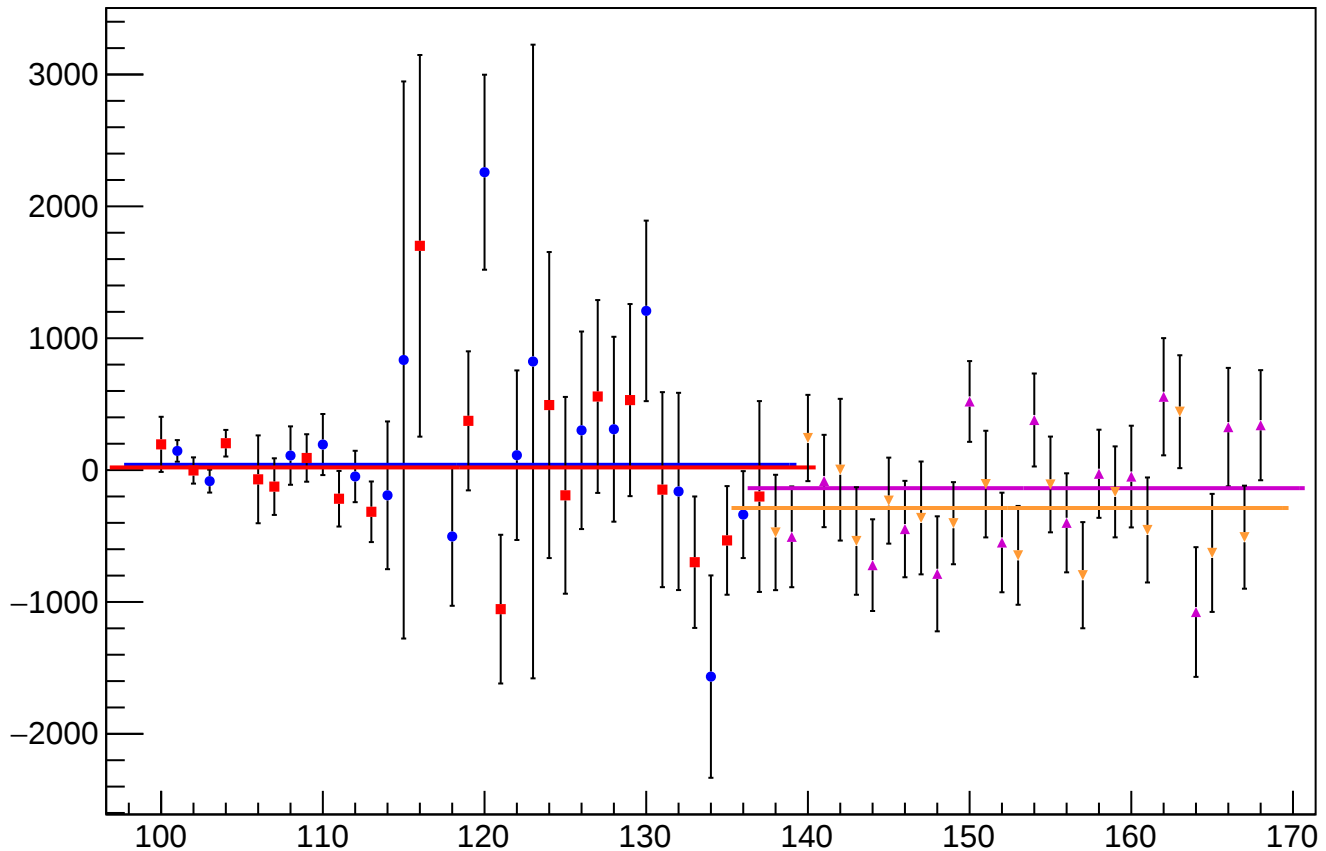
Left In: 62.214 $\pm$ 0.013 χ^2 /NDF: 93057.1/14

+ sign 58.788 $\pm$ 0.010 χ^2 /NDF: 534853.1/32

All: 58.501 $\pm$ 0.007 χ^2 /NDF: 1232784.0/66

- sign 58.220 $\pm$ 0.010 χ^2 /NDF: 696205.0/33

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 ± 51.542 χ^2/NDF : 23.9/16

Left Out: -287.448 ± 96.250 χ^2/NDF : 10.8/15

Right Out: 20.232 ± 53.274 χ^2/NDF : 18.9/18

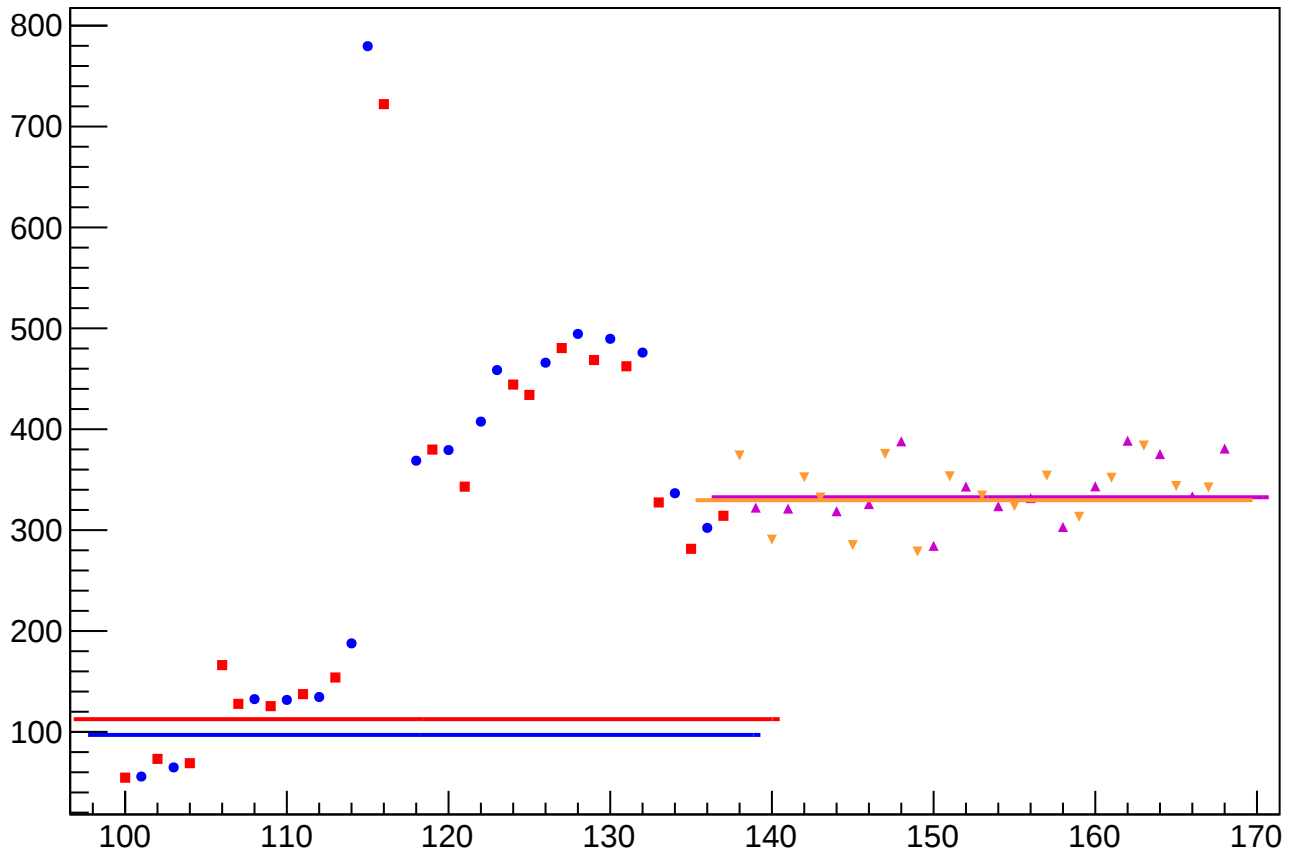
Left In: -136.985 ± 97.867 χ^2/NDF : 23.8/14

+ sign -32.813 ± 45.438 χ^2/NDF : 43.6/32

All: -24.510 ± 32.597 χ^2/NDF : 88.4/66

- sign -15.706 ± 46.791 χ^2/NDF : 44.7/33

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 329.663+/-0.068 χ^2/NDF : 228271.1/15

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

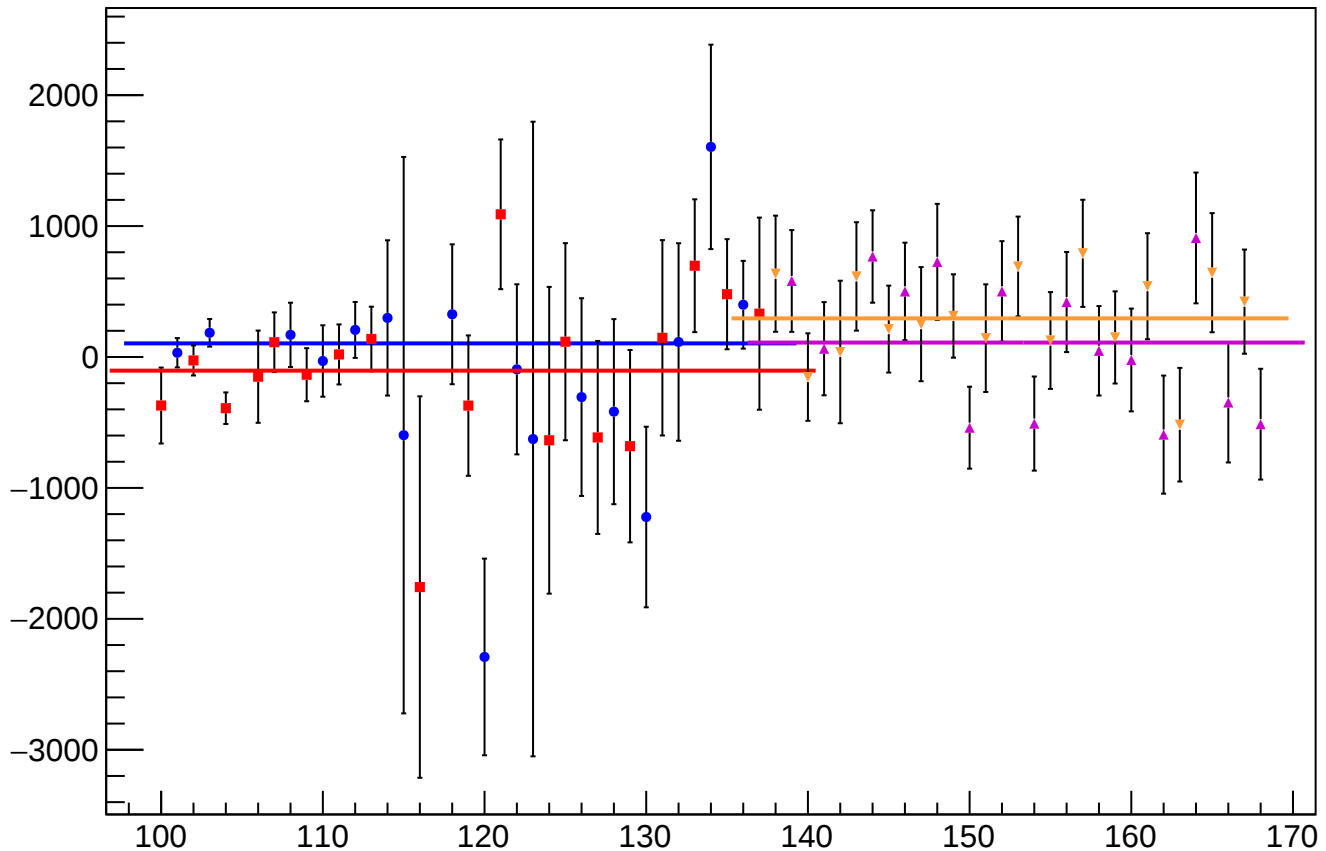
Left In: 332.601+/-0.069 χ^2/NDF : 182727.2/14

+ sign 148.880+/-0.032 χ^2/NDF : 15126916.4/32

All: 155.699+/-0.023 χ^2/NDF : 28231384.9/60

- sign 162.930+/-0.033 χ^2/NDF : 13011662.3/33

asym_sam_15_avg_mean vs Slug



Right In: 104.001 ± 63.156 χ^2/NDF : 21.3/16

Left Out: 295.001 ± 97.978 χ^2/NDF : 10.9/15

Right Out: -104.140 ± 60.857 χ^2/NDF : 21.3/18

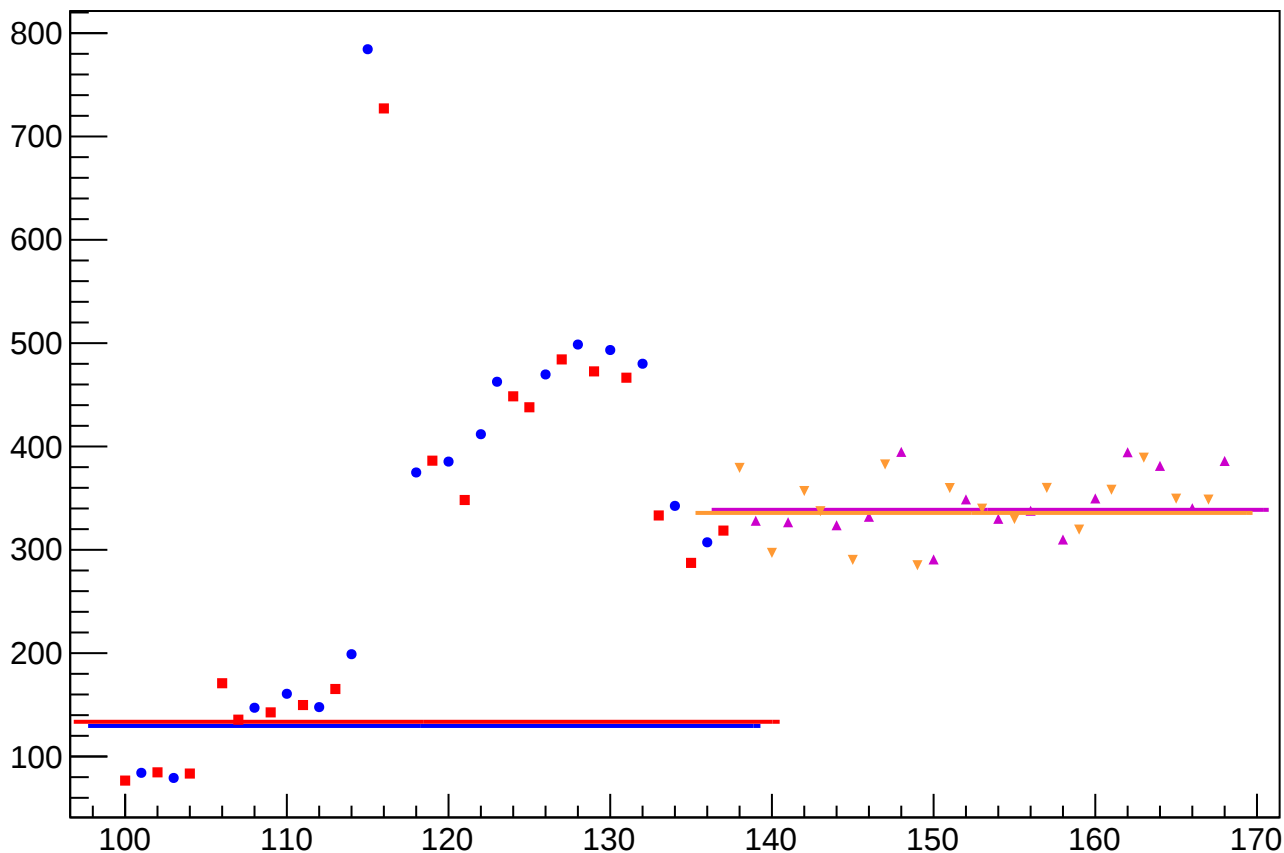
Left In: 110.263 ± 99.627 χ^2/NDF : 25.3/14

+ sign 160.067 ± 53.084 χ^2/NDF : 34.9/32

All: 54.841 ± 37.123 χ^2/NDF : 92.6/66

- sign -45.877 ± 51.934 χ^2/NDF : 50.0/33

asym_sam_15_avg_rms vs Slug



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 335.725 $\pm$ 0.069 χ^2 /NDF: 219594.8/15

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

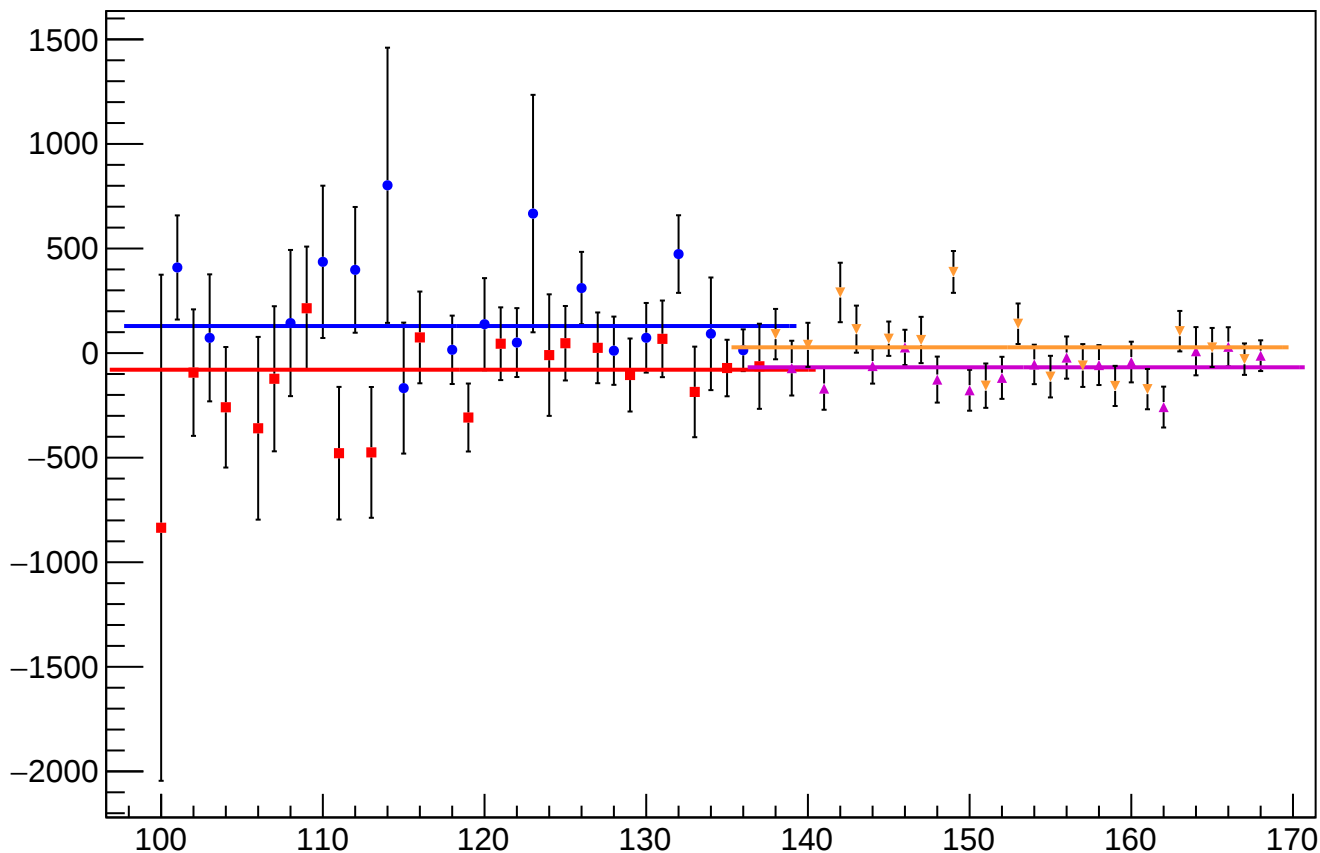
Left In: 338.705 $\pm$ 0.070 χ^2 /NDF: 175339.9/14

+ sign 190.071 $\pm$ 0.038 χ^2 /NDF: 11248433.9/32

All: 189.693 $\pm$ 0.026 χ^2 /NDF: 21963989.3/60

- sign 189.330 $\pm$ 0.037 χ^2 /NDF: 10715356.2/33

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 27.667 $\pm$ 24.816 χ^2 /NDF:33.9/15

Right Out: -79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

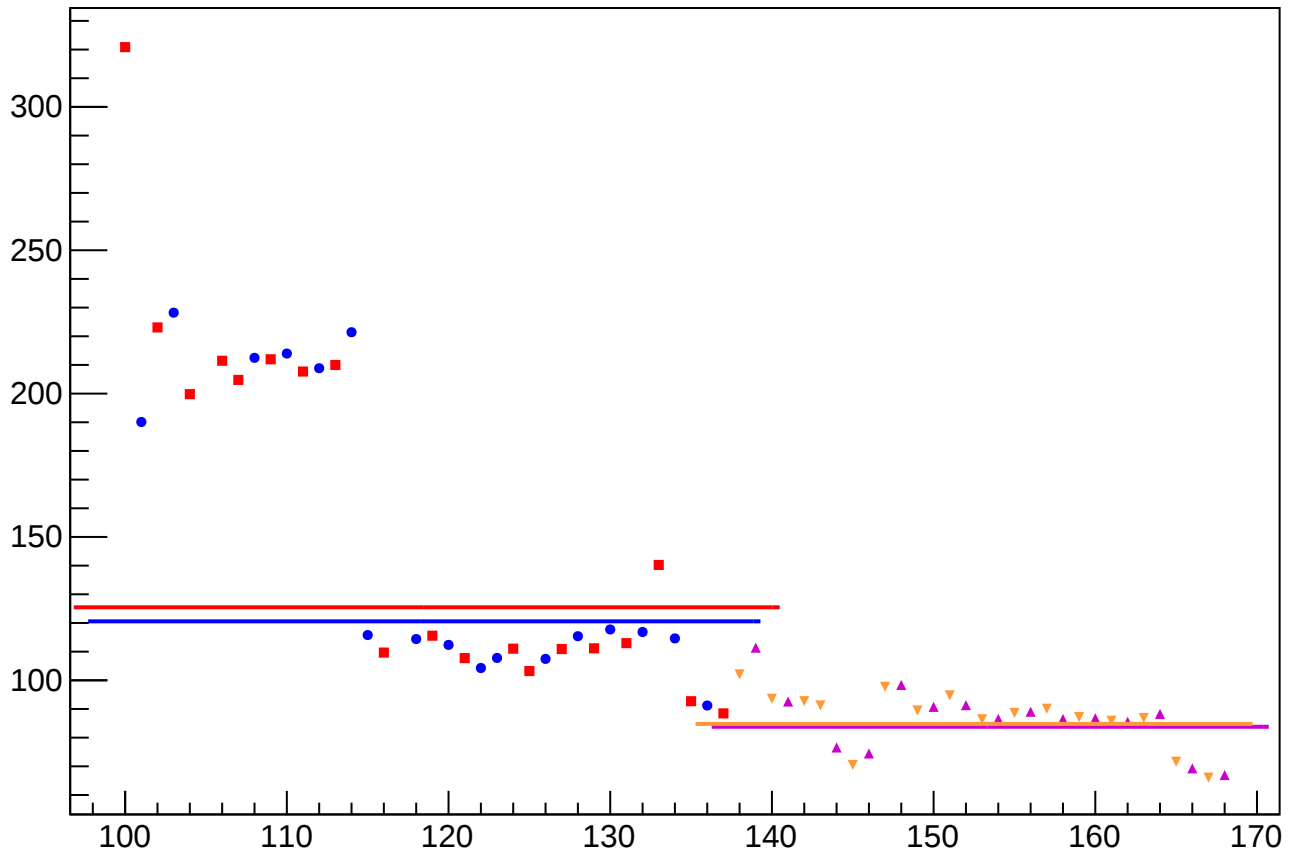
Left In: -67.883 $\pm$ 24.771 χ^2 /NDF:10.3/14

+ sign 48.352 $\pm$ 22.150 χ^2 /NDF: 50.2/32

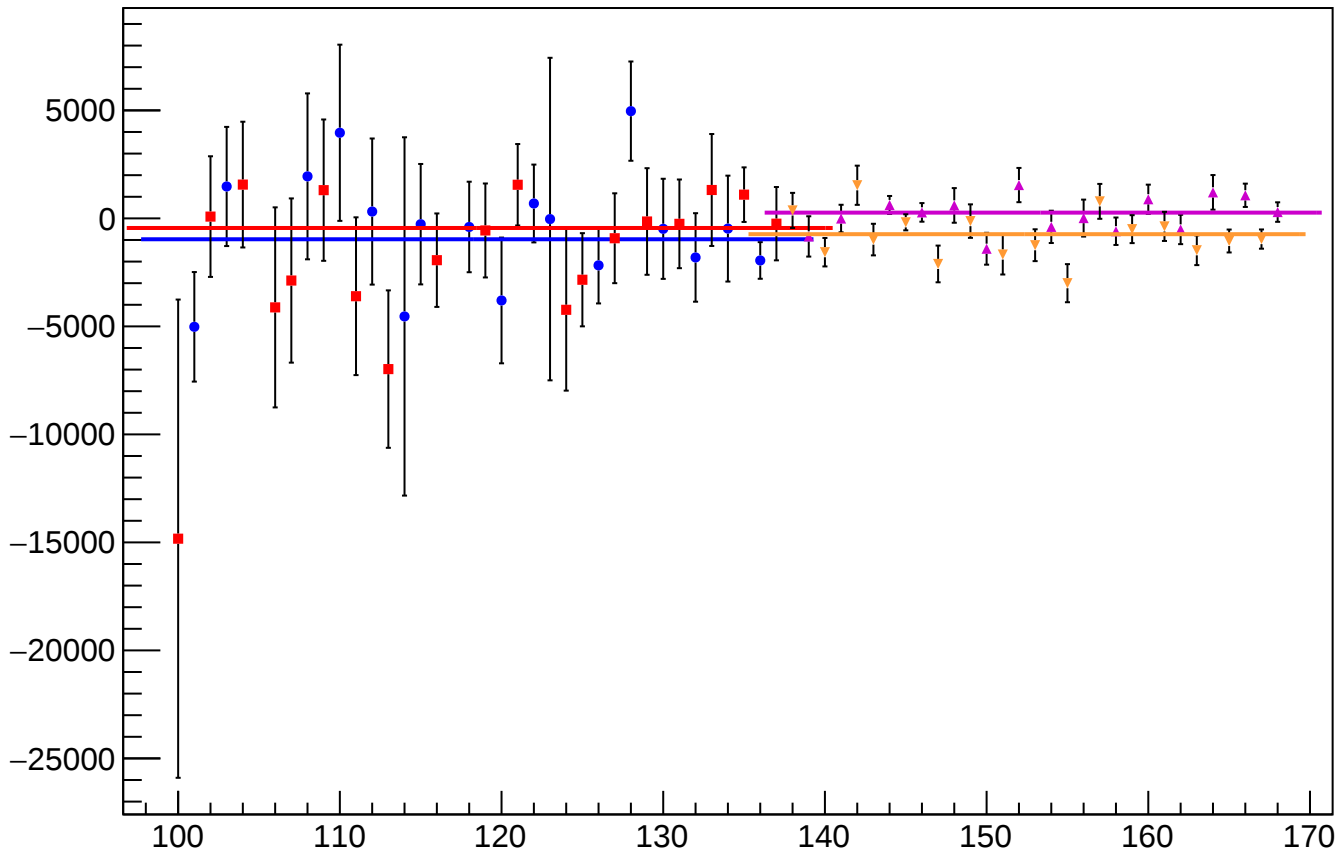
All: -10.816 $\pm$ 15.675 χ^2 /NDF: 85.1/66

- sign -70.178 $\pm$ 22.186 χ^2 /NDF: 20.6/33

reg_asym_sam_26_avg_rms vs Slug



asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -731.322 ± 161.487 χ^2/NDF : 29.1/15

Right Out: -444.406 ± 545.370 χ^2/NDF : 13.4/18

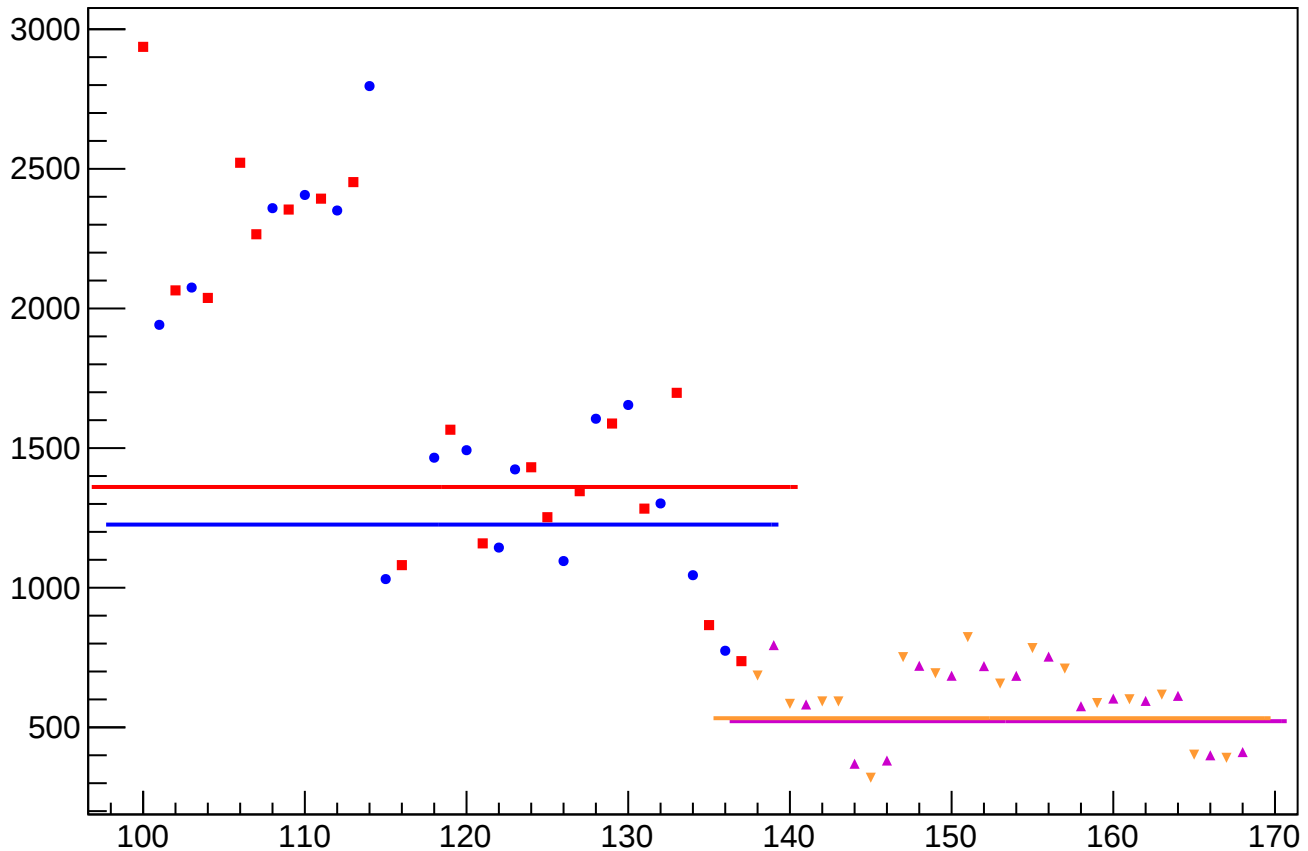
Left In: 266.183 ± 158.889 χ^2/NDF : 18.6/14

+ sign -752.583 ± 154.018 χ^2/NDF : 45.7/32

All: -266.377 ± 108.383 χ^2/NDF : 99.0/66

- sign 210.587 ± 152.547 χ^2/NDF : 33.6/33

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135 $\pm$ 0.362 χ^2 /NDF: 1756323.1/16

Left Out: 532.713 $\pm$ 0.114 χ^2 /NDF:1884315.3/15

Right Out: 1360.770 $\pm$ 0.386 χ^2 /NDF: 1749074.9/18

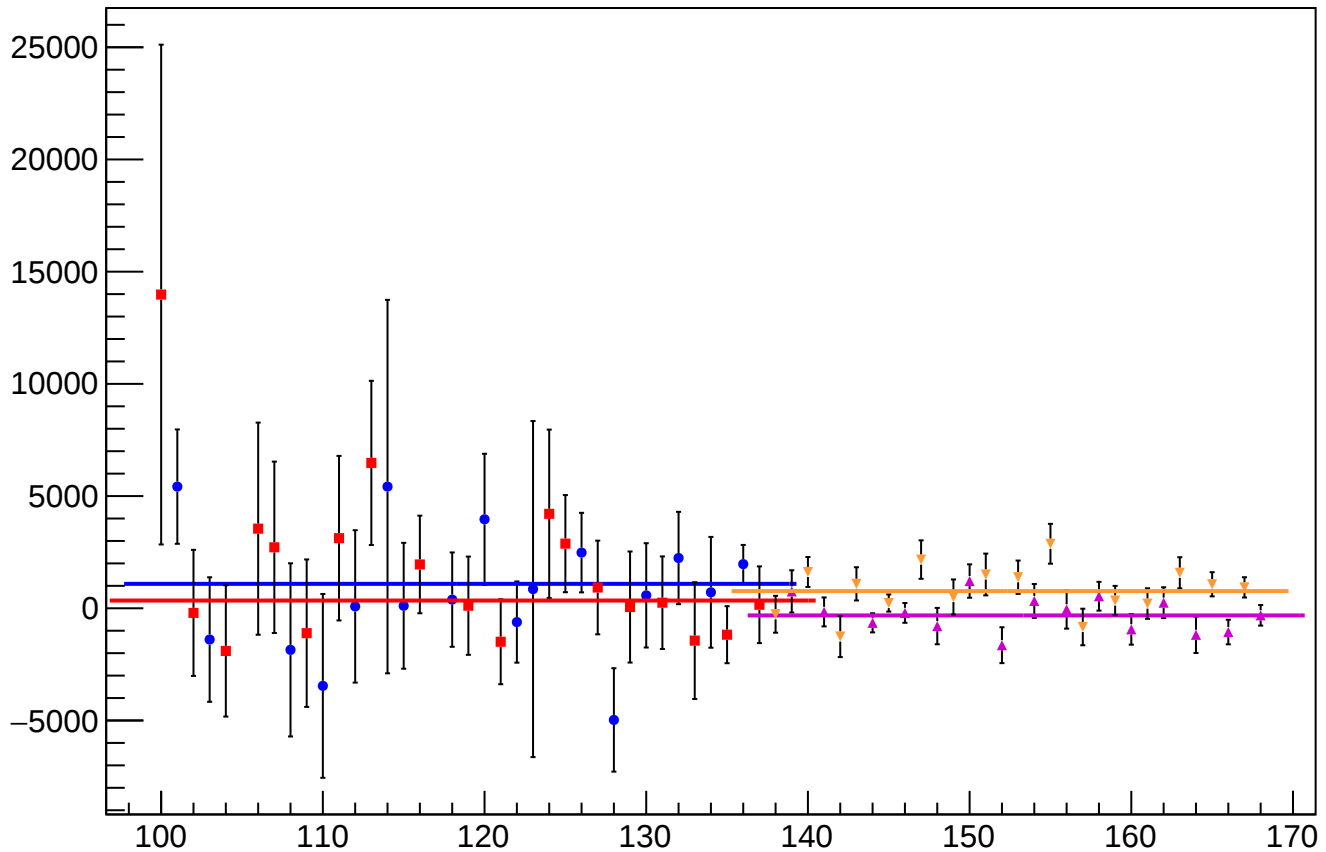
Left In: 522.089 $\pm$ 0.112 χ^2 /NDF:1566937.8/14

+ sign 595.378 $\pm$ 0.109 χ^2 /NDF: 6973159.3/32

All: 591.506 $\pm$ 0.077 χ^2 /NDF: 14651394.5/60

- sign 587.707 $\pm$ 0.108 χ^2 /NDF: 7675731.0/33

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 765.779 $\pm$ 163.766 χ^2 /NDF: 26.7/15

Right Out: 345.640 $\pm$ 548.191 χ^2 /NDF: 12.5/18

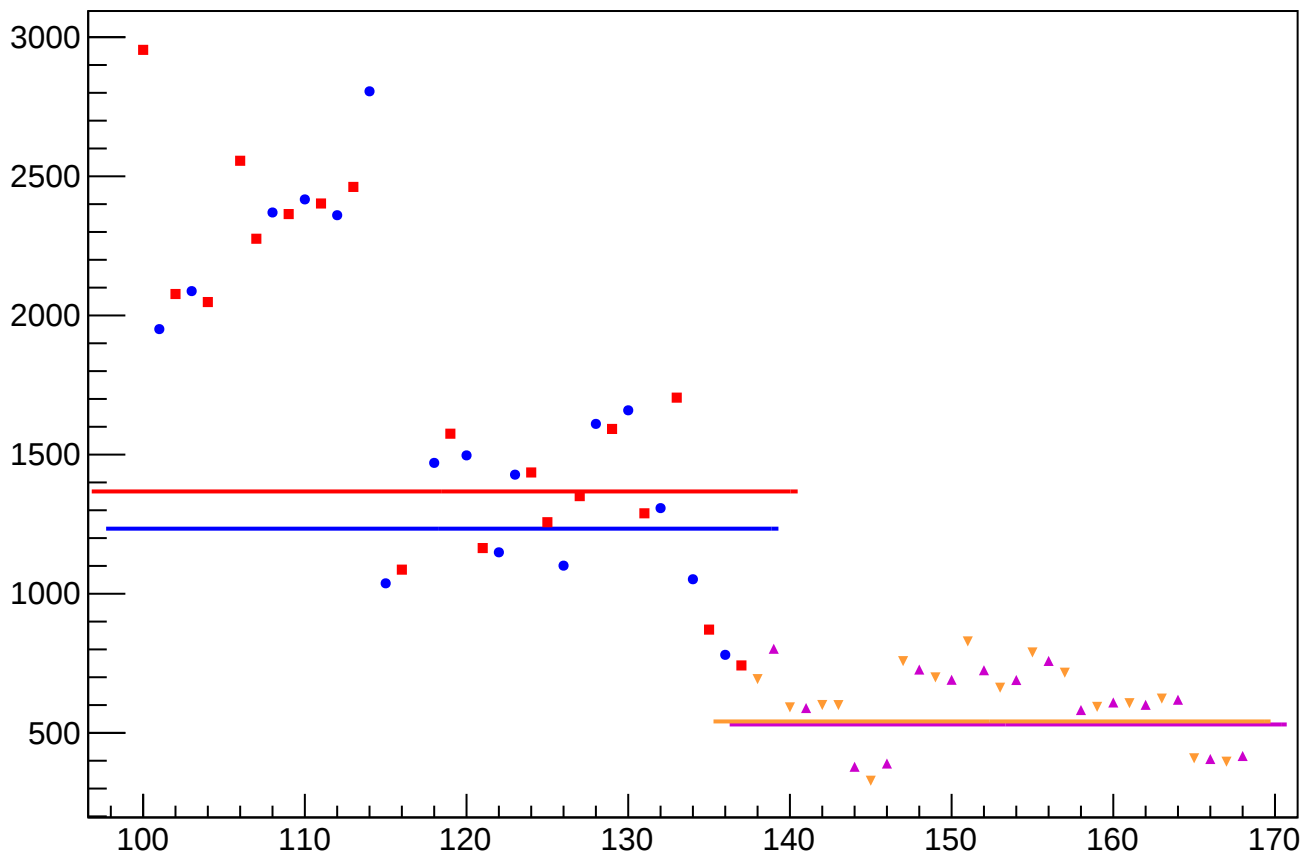
Left In: -318.291 $\pm$ 161.166 χ^2 /NDF: 16.4/14

+ sign 795.439 $\pm$ 156.073 χ^2 /NDF: 44.0/32

All: 260.029 $\pm$ 109.844 χ^2 /NDF: 97.6/66

- sign -265.470 $\pm$ 154.622 χ^2 /NDF: 30.3/33

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 541.149+/-0.116 χ^2/NDF :1813790.6/15

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

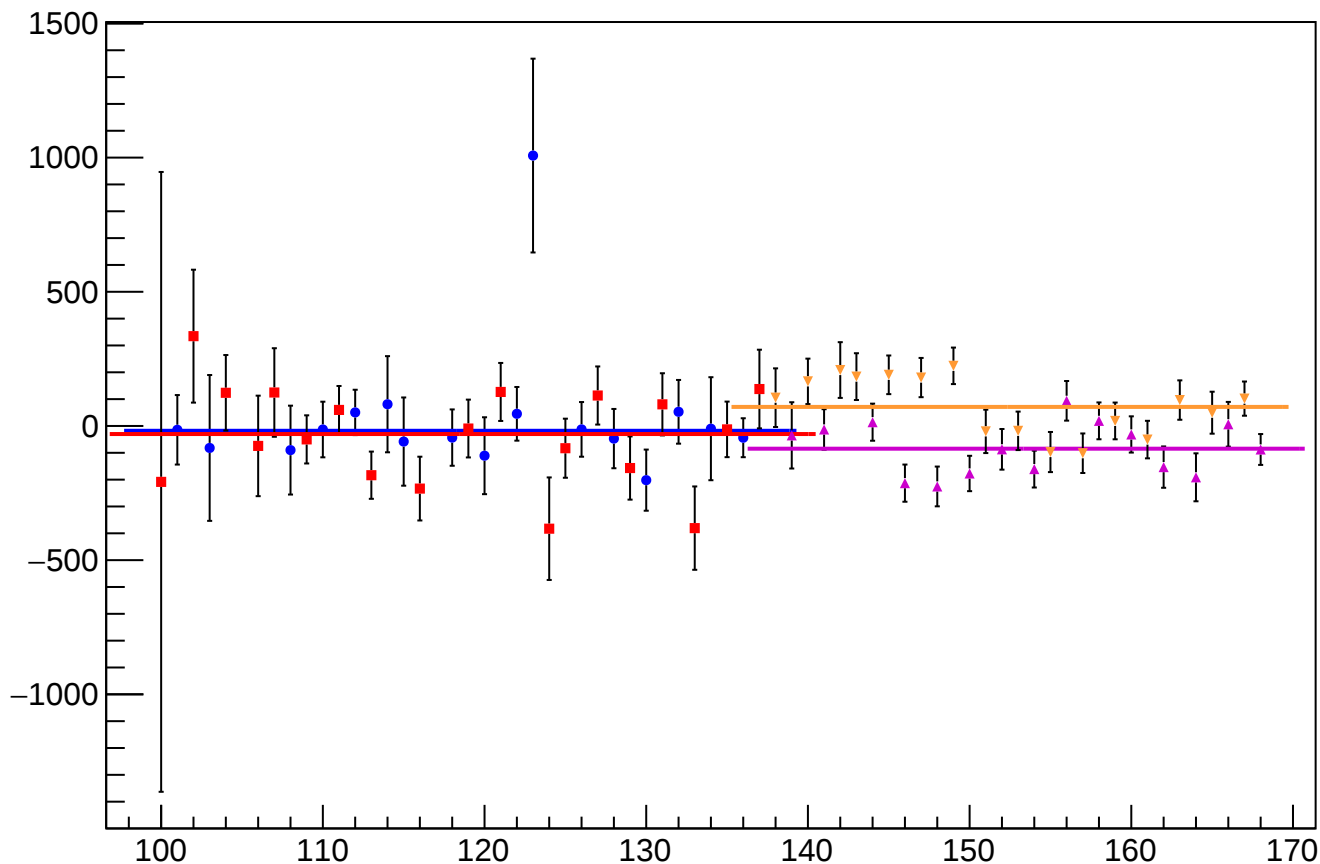
Left In: 530.314+/-0.114 χ^2/NDF :1511668.0/14

+ sign 604.702+/-0.110 χ^2/NDF : 6840847.7/32

All: 600.778+/-0.078 χ^2/NDF : 14394183.6/60

- sign 596.927+/-0.109 χ^2/NDF : 7550831.0/33

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 71.004 ± 19.009 $\chi^2/\text{NDF}: 32.3/15$

Right Out: -30.070 ± 27.976 $\chi^2/\text{NDF}: 27.4/18$

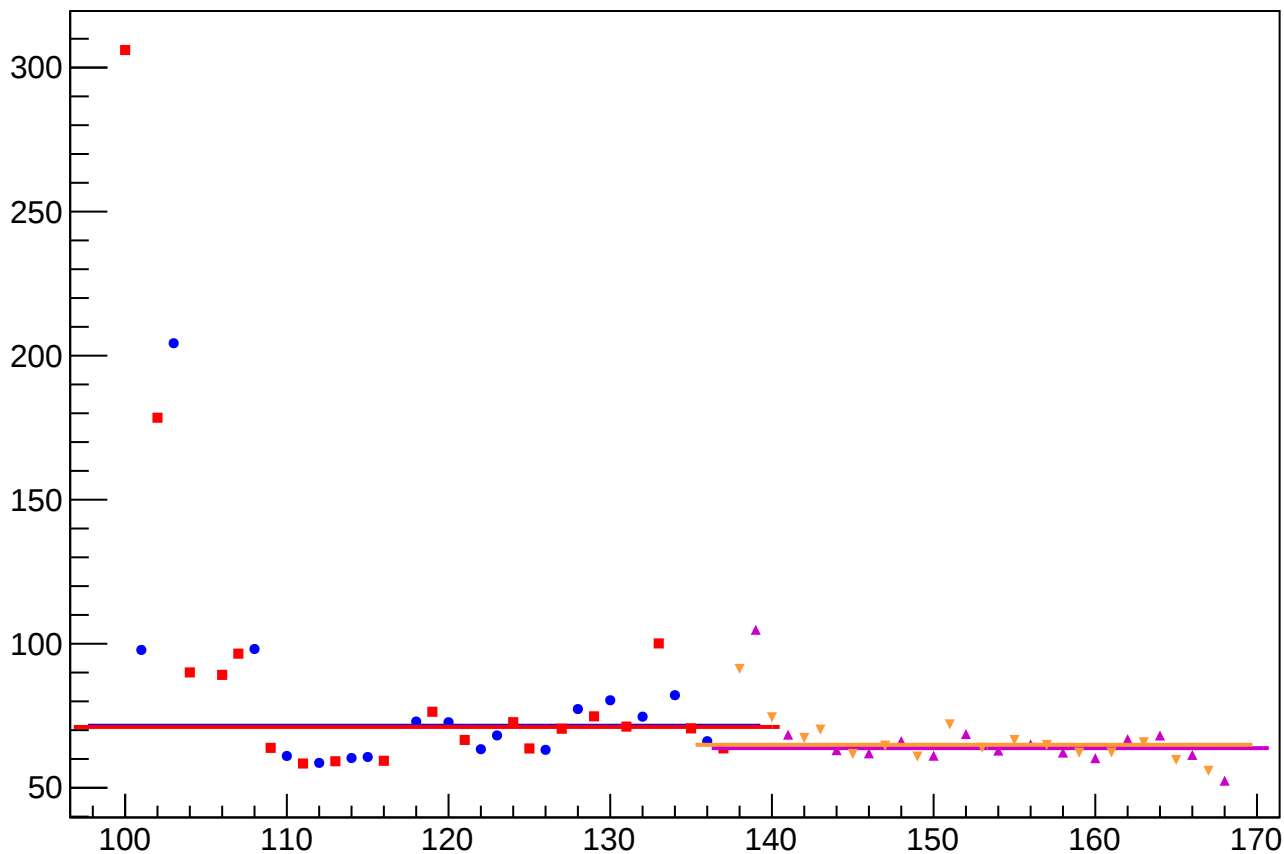
Left In: -84.679 ± 18.853 $\chi^2/\text{NDF}: 25.5/14$

+ sign 44.066 ± 15.873 $\chi^2/\text{NDF}: 52.3/32$

All: -12.626 ± 11.139 $\chi^2/\text{NDF}: 132.9/66$

- sign -67.625 ± 15.634 $\chi^2/\text{NDF}: 55.5/33$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 64.926 $\pm$ 0.013 χ^2 /NDF: 233237.5/15

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

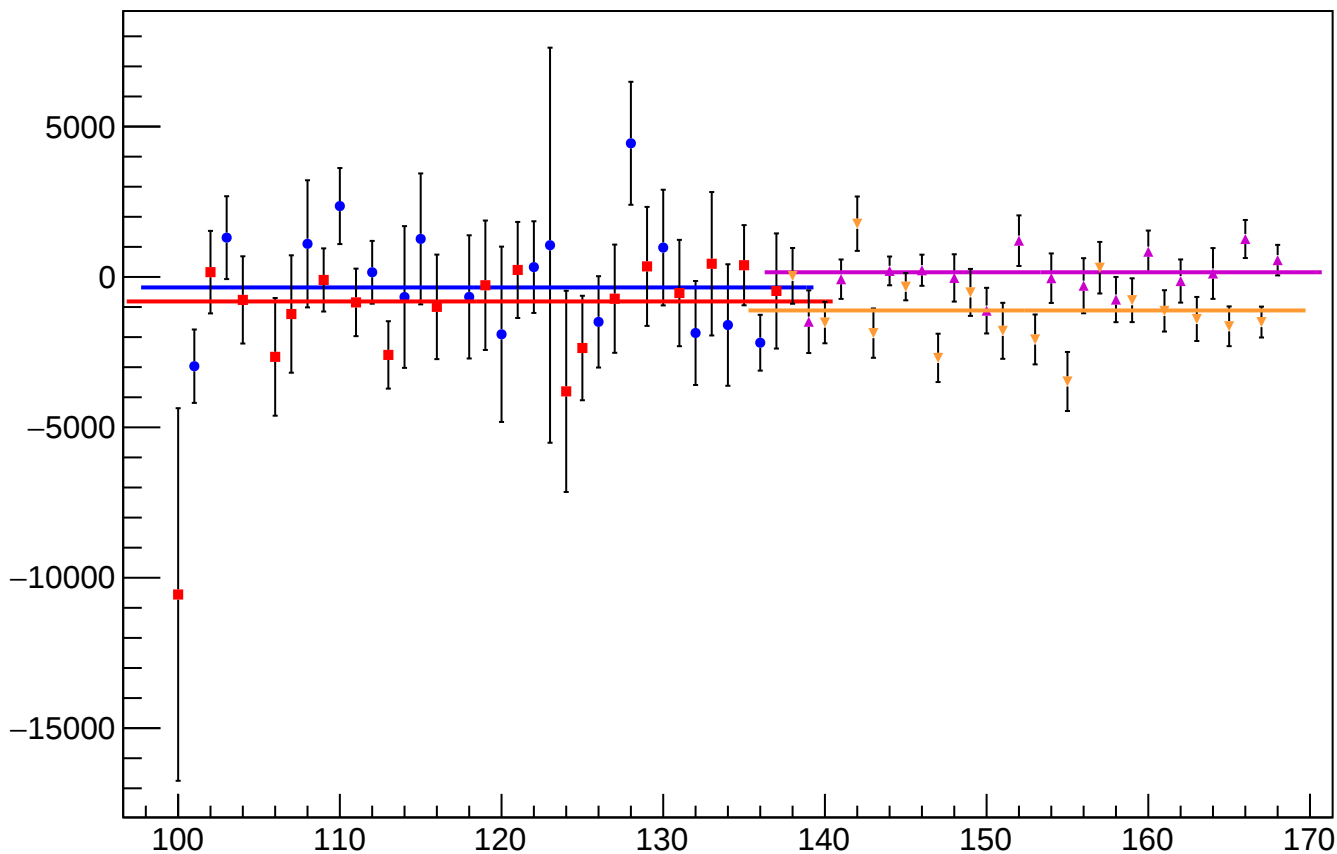
Left In: 63.762 $\pm$ 0.013 χ^2 /NDF: 338688.3/14

+ sign 66.927 $\pm$ 0.011 χ^2 /NDF: 1065410.9/32

All: 66.486 $\pm$ 0.008 χ^2 /NDF: 2267312.7/66

- sign 66.058 $\pm$ 0.011 χ^2 /NDF: 1198860.3/33

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 ± 381.994 χ^2/NDF : 24.1/16

Left Out: -1113.258 ± 179.593 χ^2/NDF : 32.4/15

Right Out: -814.154 ± 369.807 χ^2/NDF : 10.5/18

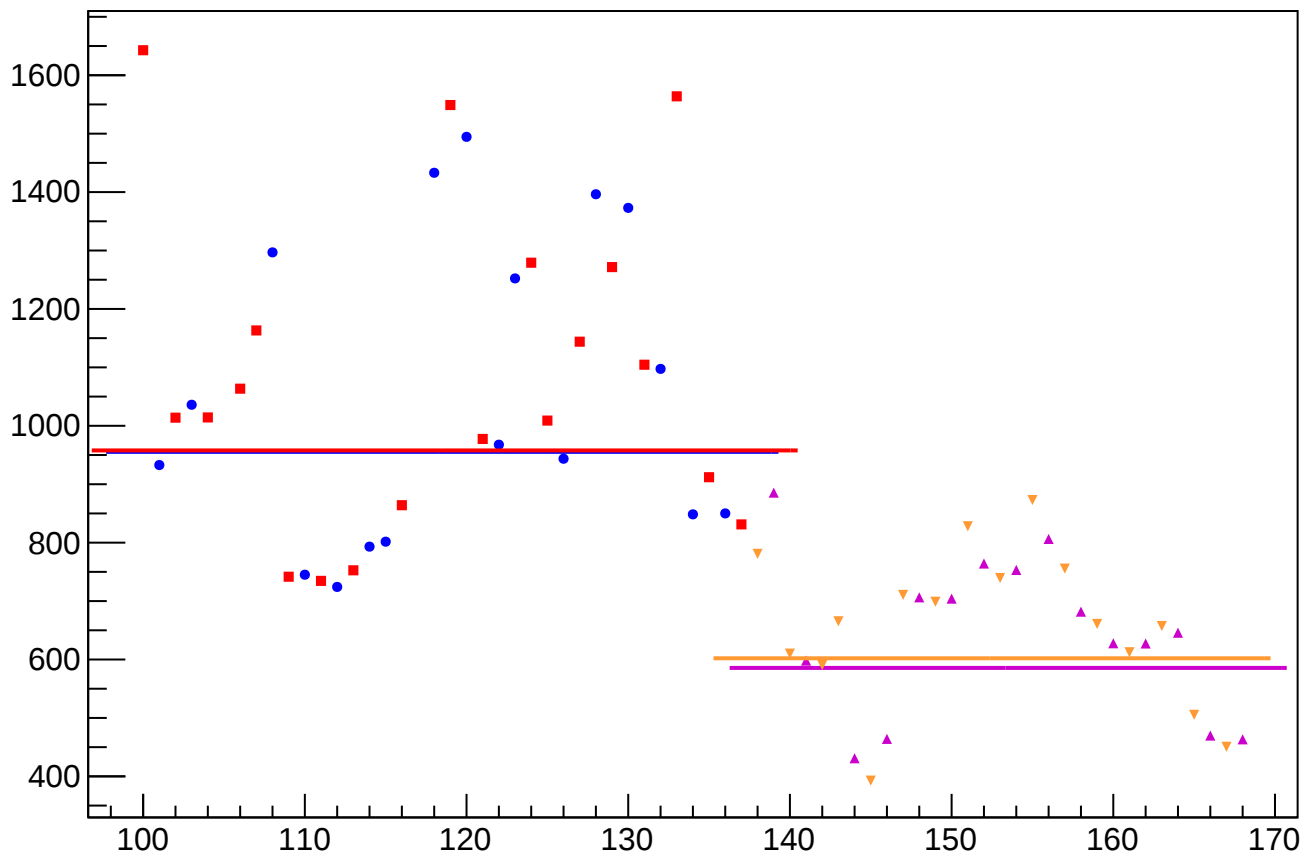
Left In: 156.314 ± 175.955 χ^2/NDF : 13.6/14

+ sign -974.717 ± 162.527 χ^2/NDF : 59.7/32

All: -487.994 ± 113.615 χ^2/NDF : 107.0/66

- sign -22.831 ± 158.886 χ^2/NDF : 29.7/33

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 602.100 $\pm$ 0.127 χ^2 /NDF:1212360.5/15

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

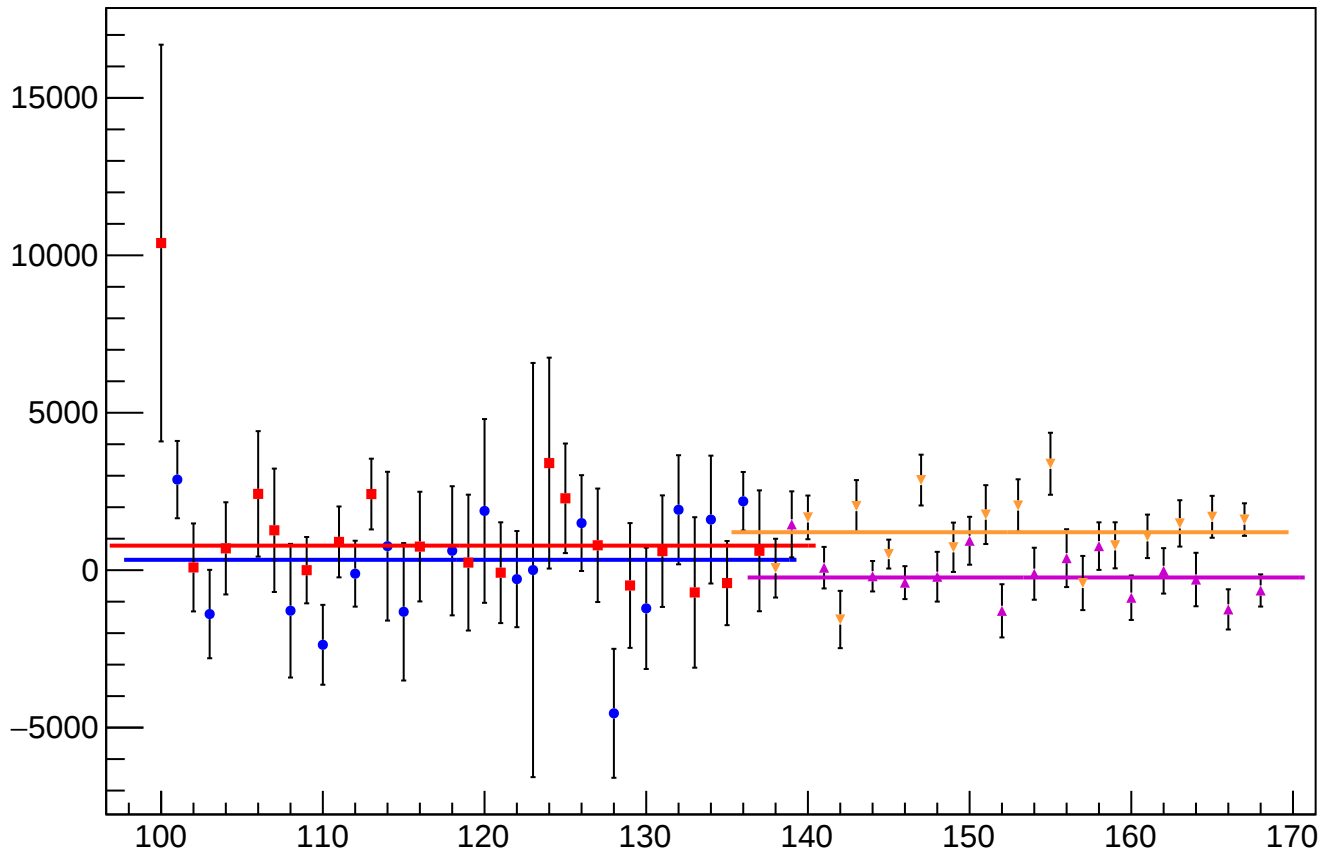
Left In: 585.610 $\pm$ 0.124 χ^2 /NDF:1110841.4/14

+ sign 666.060 $\pm$ 0.115 χ^2 /NDF: 3260200.0/32

All: 660.059 $\pm$ 0.080 χ^2 /NDF: 6721779.8/66

- sign 654.324 $\pm$ 0.112 χ^2 /NDF: 3456247.1/33

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 1205.802 ± 180.815 χ^2/NDF : 30.6/15

Right Out: 779.623 ± 371.673 χ^2/NDF : 9.3/18

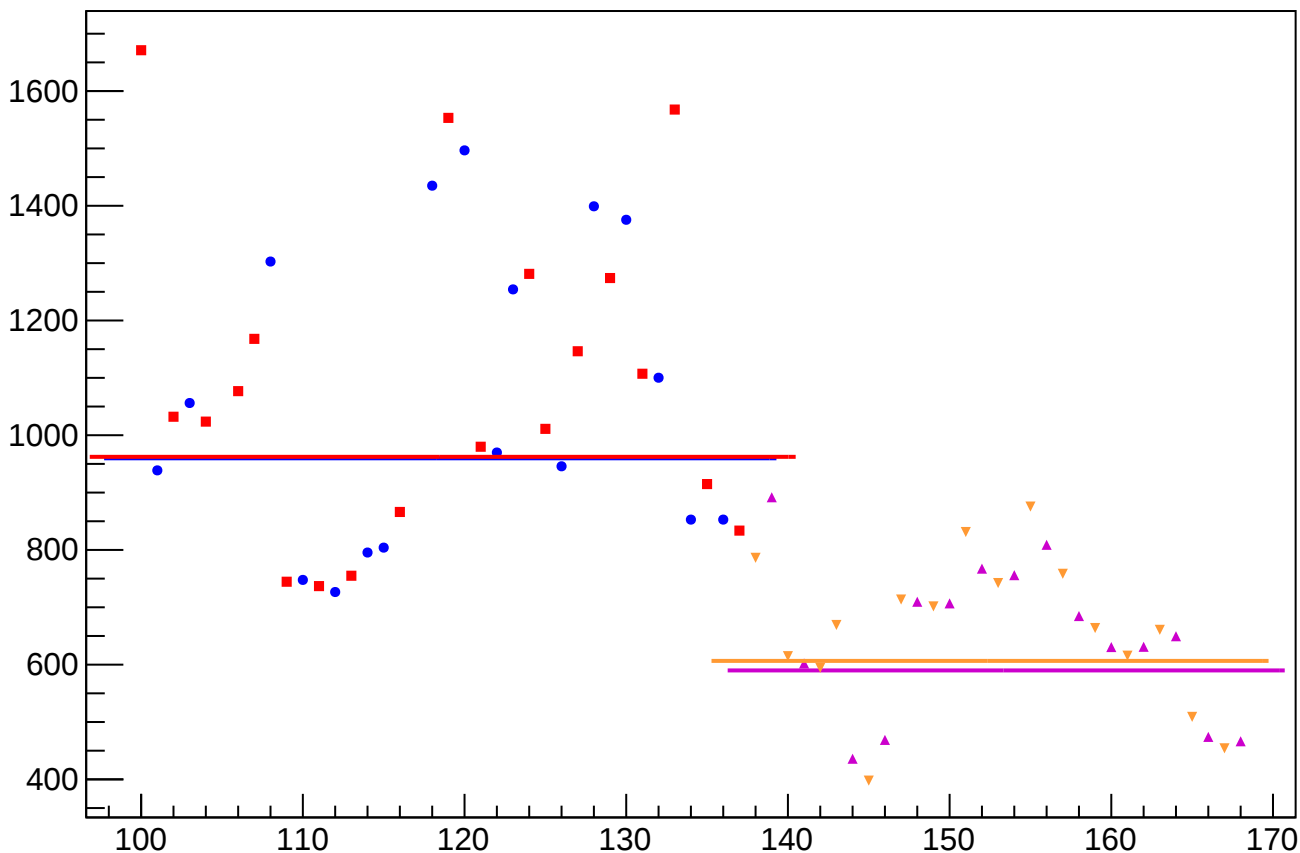
Left In: -231.952 ± 177.160 χ^2/NDF : 13.1/14

+ sign 1046.523 ± 163.566 χ^2/NDF : 59.1/32

All: 488.637 ± 114.348 χ^2/NDF : 110.3/66

- sign -44.671 ± 159.922 χ^2/NDF : 28.5/33

asym_sam_37_avg_rms vs Slug



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 606.553 $\pm$ 0.128 χ^2 /NDF:1185005.7/15

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

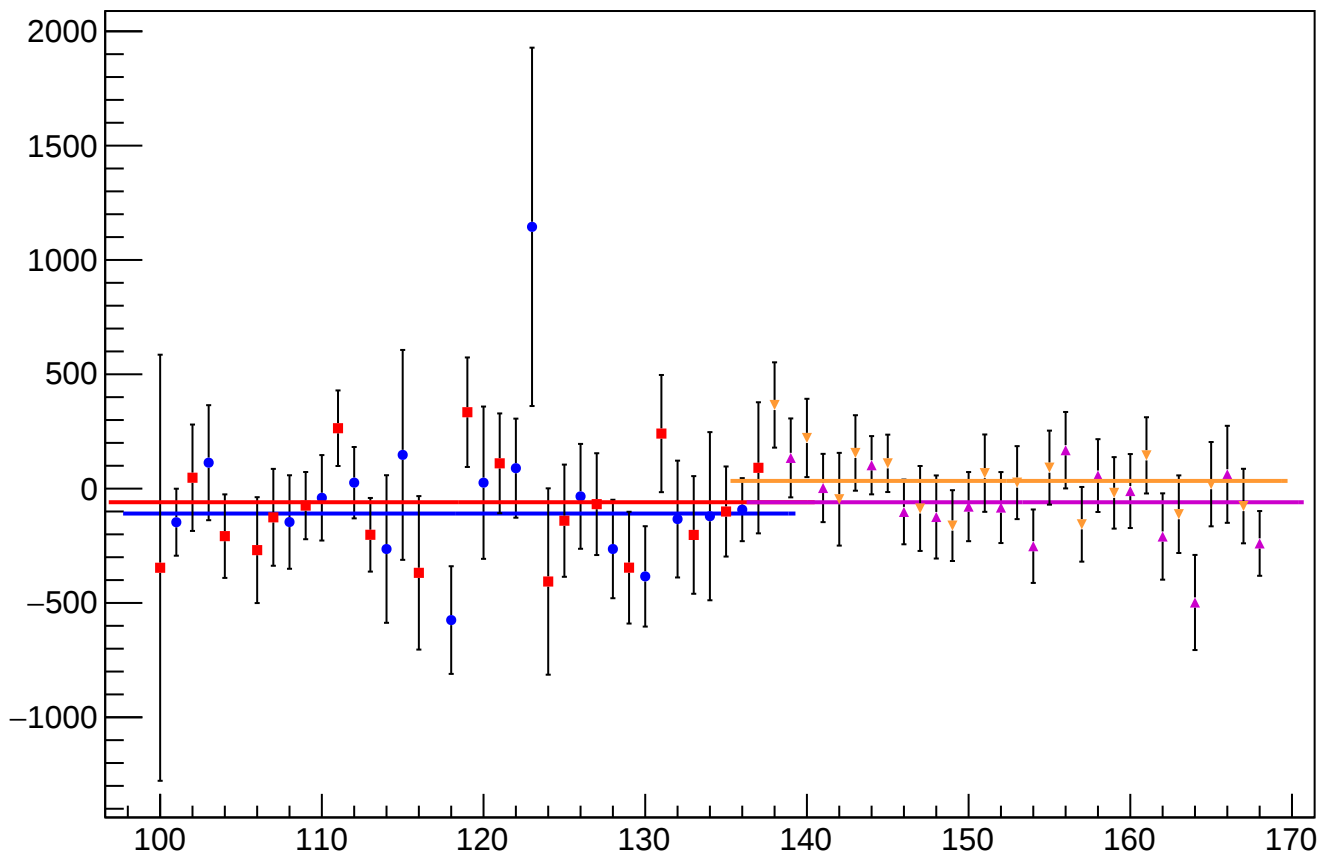
Left In: 589.928 $\pm$ 0.125 χ^2 /NDF:1089342.1/14

+ sign 670.730 $\pm$ 0.116 χ^2 /NDF: 3218438.9/32

All: 664.667 $\pm$ 0.081 χ^2 /NDF: 6644893.3/66

- sign 658.871 $\pm$ 0.113 χ^2 /NDF: 3421079.5/33

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 33.694 ± 41.287 χ^2/NDF : 10.7/15

Right Out: -59.475 ± 50.822 χ^2/NDF : 14.9/18

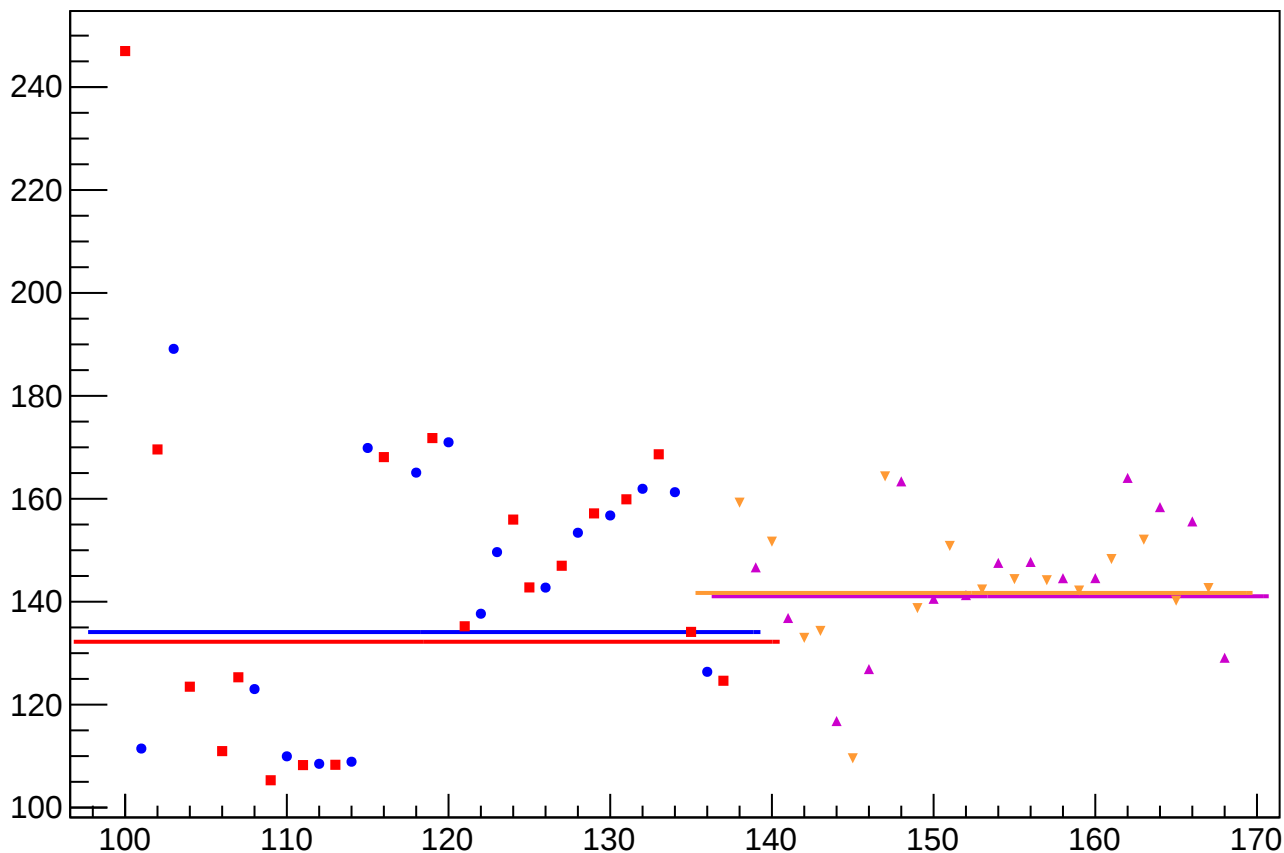
Left In: -59.610 ± 41.487 χ^2/NDF : 14.2/14

+ sign -20.286 ± 32.553 χ^2/NDF : 27.3/32

All: -40.173 ± 22.870 χ^2/NDF : 57.1/66

- sign -59.556 ± 32.138 χ^2/NDF : 29.1/33

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 141.705 $\pm$ 0.029 χ^2 /NDF:211458.8/15

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

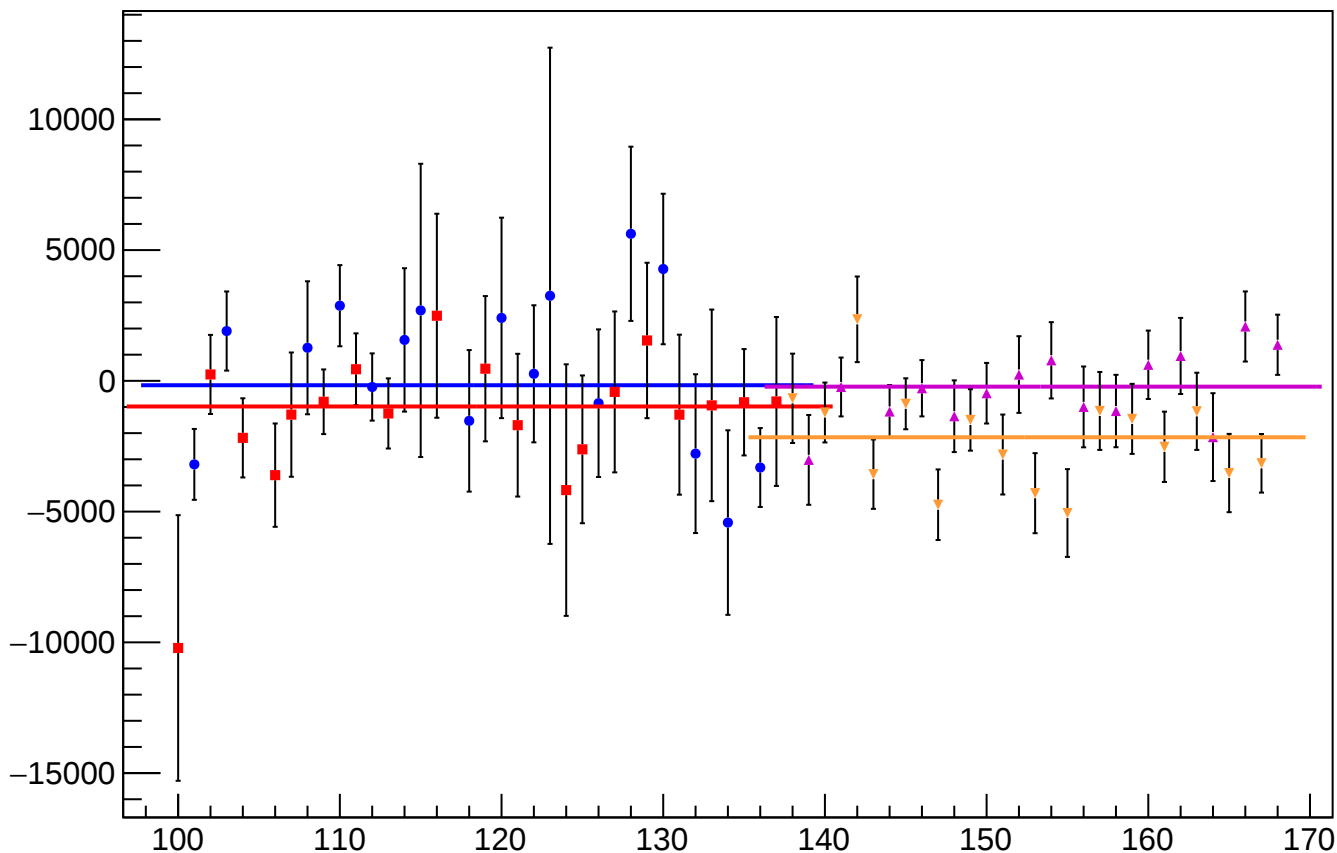
Left In: 141.059 $\pm$ 0.029 χ^2 /NDF:201978.2/14

+ sign 138.829 $\pm$ 0.023 χ^2 /NDF: 639690.0/32

All: 138.168 $\pm$ 0.016 χ^2 /NDF: 1321351.0/66

- sign 137.524 $\pm$ 0.023 χ^2 /NDF: 680034.3/33

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -2157.853 ± 336.197 χ^2/NDF : 23.9/15

Right Out: -980.517 ± 480.968 χ^2/NDF : 10.2/18

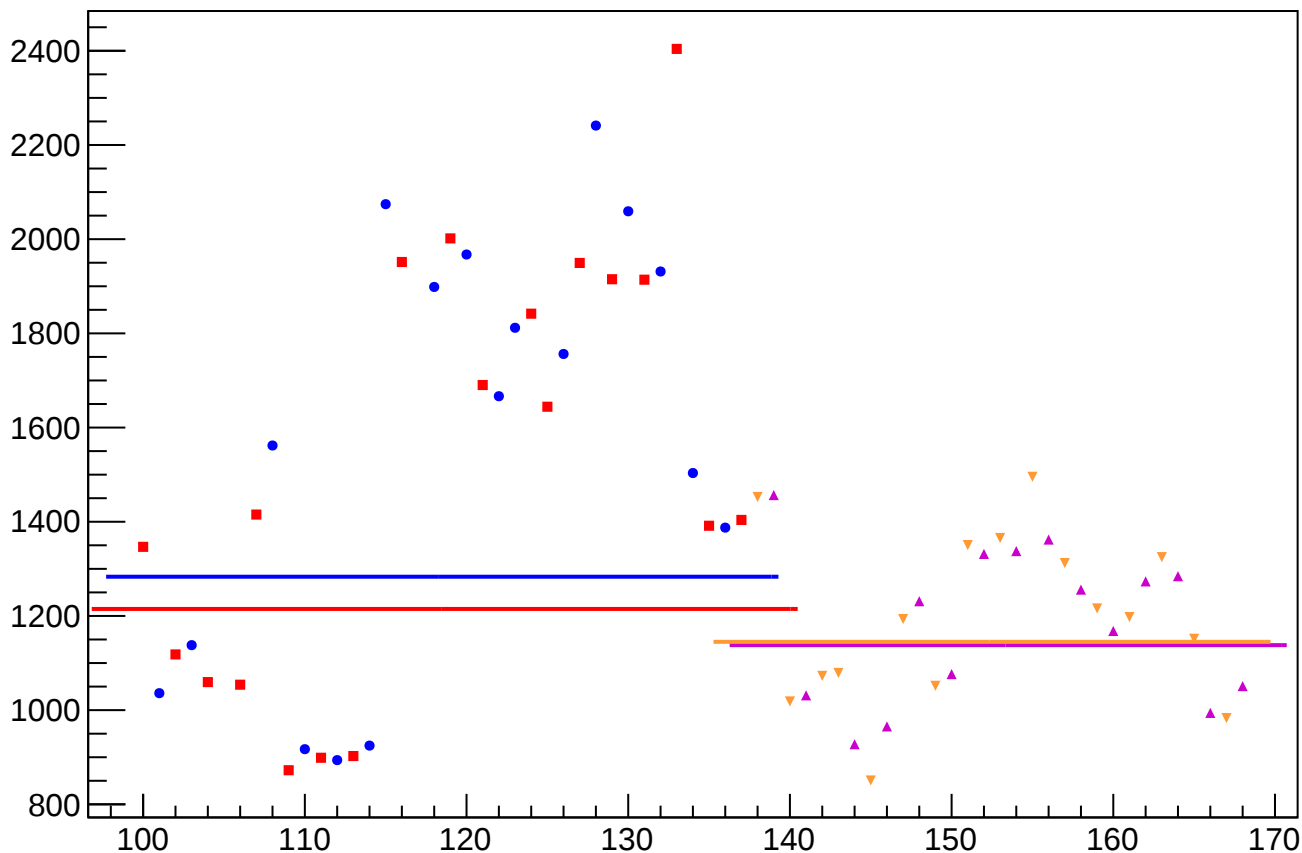
Left In: -222.599 ± 336.264 χ^2/NDF : 12.8/14

+ sign -1577.152 ± 282.912 χ^2/NDF : 59.4/32

All: -1009.800 ± 197.409 χ^2/NDF : 91.9/66

- sign -471.436 ± 275.590 χ^2/NDF : 24.7/33

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318 $\pm$ 0.370 χ^2/NDF : 1169431.5/16

Left Out: 1145.065 $\pm$ 0.238 χ^2/NDF : 565964.3/15

Right Out: 1214.883 $\pm$ 0.340 χ^2/NDF : 1360860.3/18

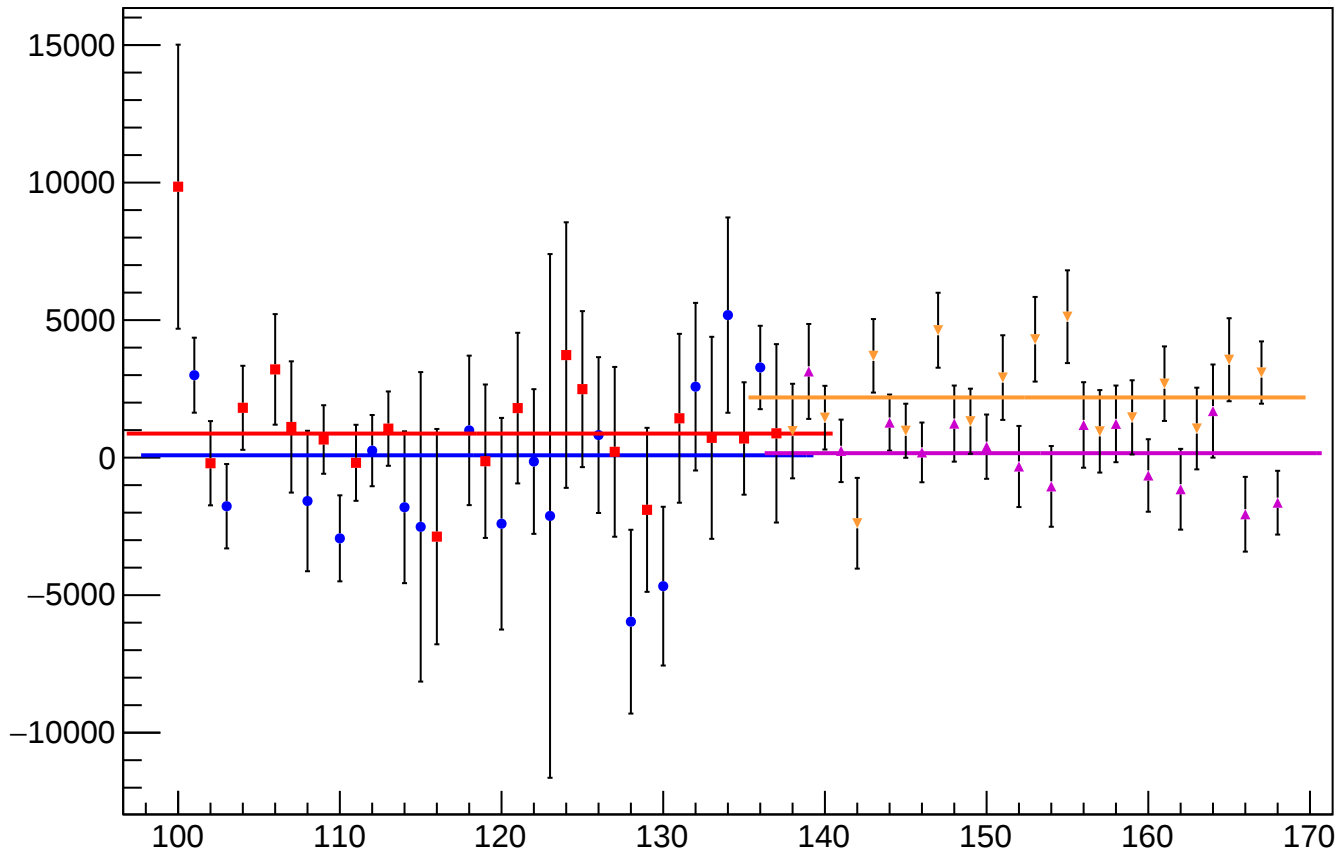
Left In: 1138.038 $\pm$ 0.238 χ^2/NDF : 436538.0/14

+ sign 1185.416 $\pm$ 0.200 χ^2/NDF : 1834108.8/32

All: 1174.051 $\pm$ 0.140 χ^2/NDF : 3672089.1/60

- sign 1163.267 $\pm$ 0.195 χ^2/NDF : 1831690.4/33

asym_sam_48_avg_mean vs Slug



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 2188.578 ± 338.929 χ^2/NDF : 23.4/15

Right Out: 874.592 ± 484.647 χ^2/NDF : 8.7/18

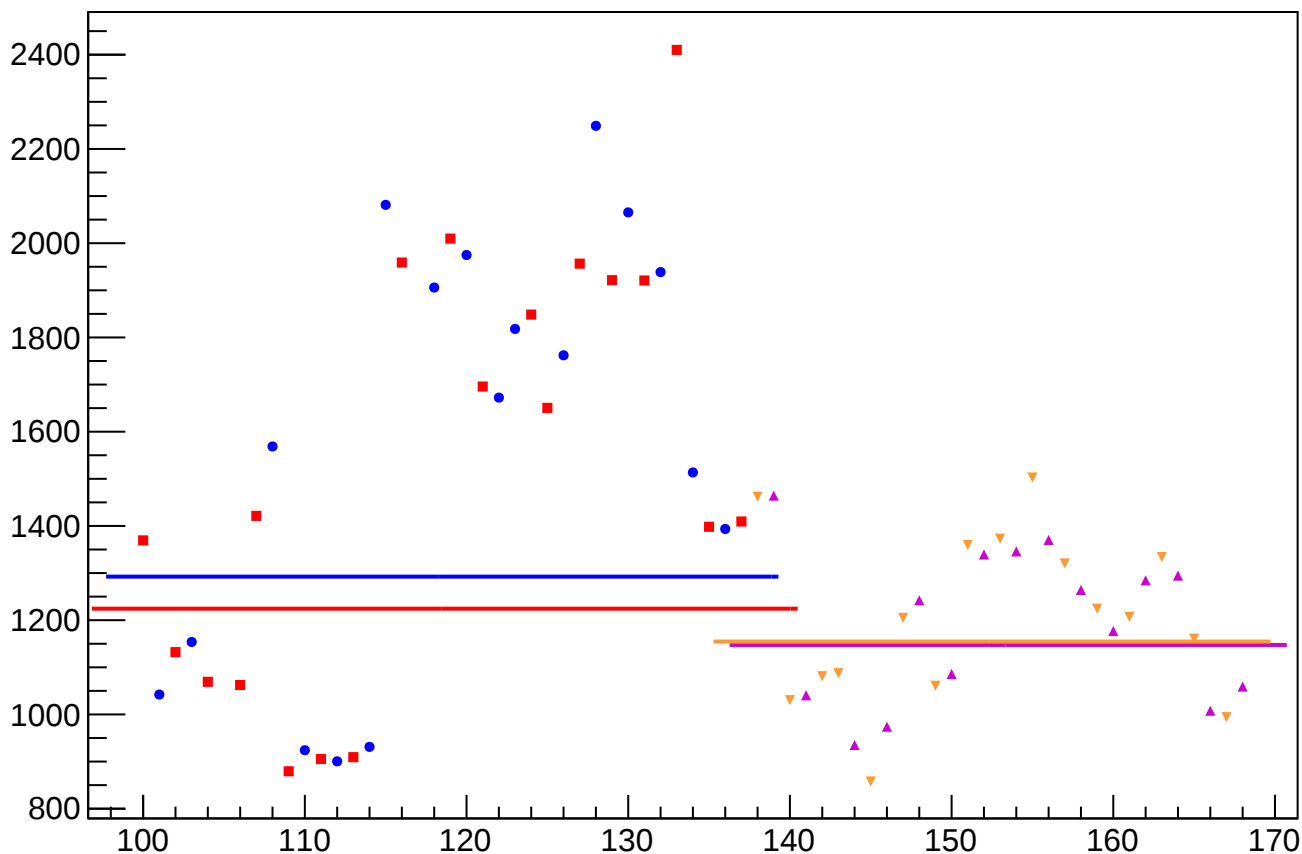
Left In: 162.045 ± 338.994 χ^2/NDF : 13.7/14

+ sign 1573.244 ± 285.077 χ^2/NDF : 59.4/32

All: 969.439 ± 198.952 χ^2/NDF : 91.9/66

- sign 396.133 ± 277.785 χ^2/NDF : 23.8/33

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1154.652+/-0.240 χ^2/NDF : 556738.3/15

Right Out: 1224.429+/-0.343 χ^2/NDF : 1345748.2/18

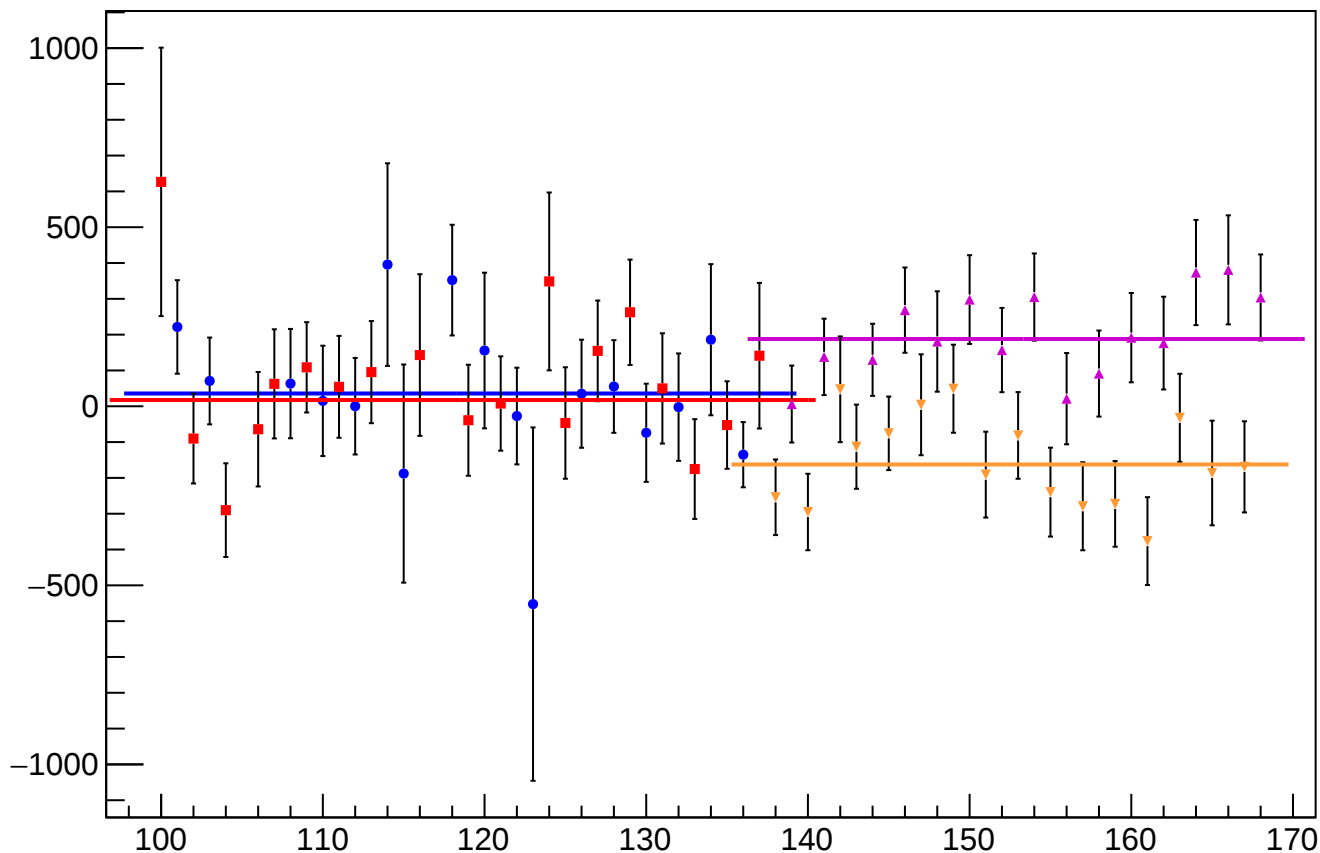
Left In: 1147.490+/-0.240 χ^2/NDF : 429672.2/14

+ sign 1194.954+/-0.202 χ^2/NDF : 1809989.9/32

All: 1183.573+/-0.141 χ^2/NDF : 3625471.4/66

- sign 1172.766+/-0.196 χ^2/NDF : 1809266.6/33

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -162.505+/-30.329 χ^2/NDF : 16.4/15

Right Out: 17.418+/-34.691 χ^2/NDF : 18.9/18

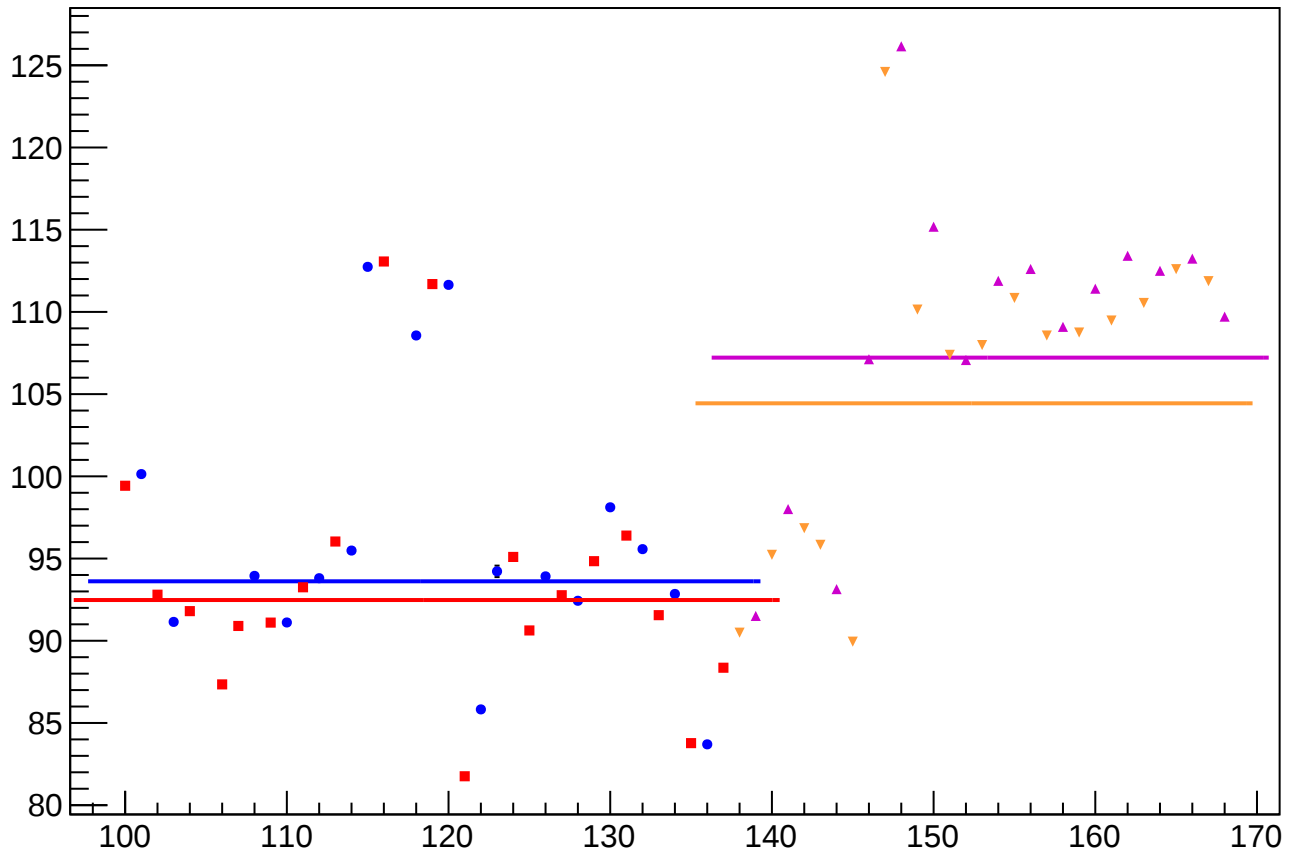
Left In: 187.779+/-31.413 χ^2/NDF : 12.2/14

+ sign -81.164+/-23.288 χ^2/NDF : 49.2/32

All: 14.940+/-16.466 χ^2/NDF : 127.6/66

- sign 111.025+/-23.285 χ^2/NDF : 44.3/33

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 104.441+/-0.021 χ^2/NDF : 185380.2/15

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

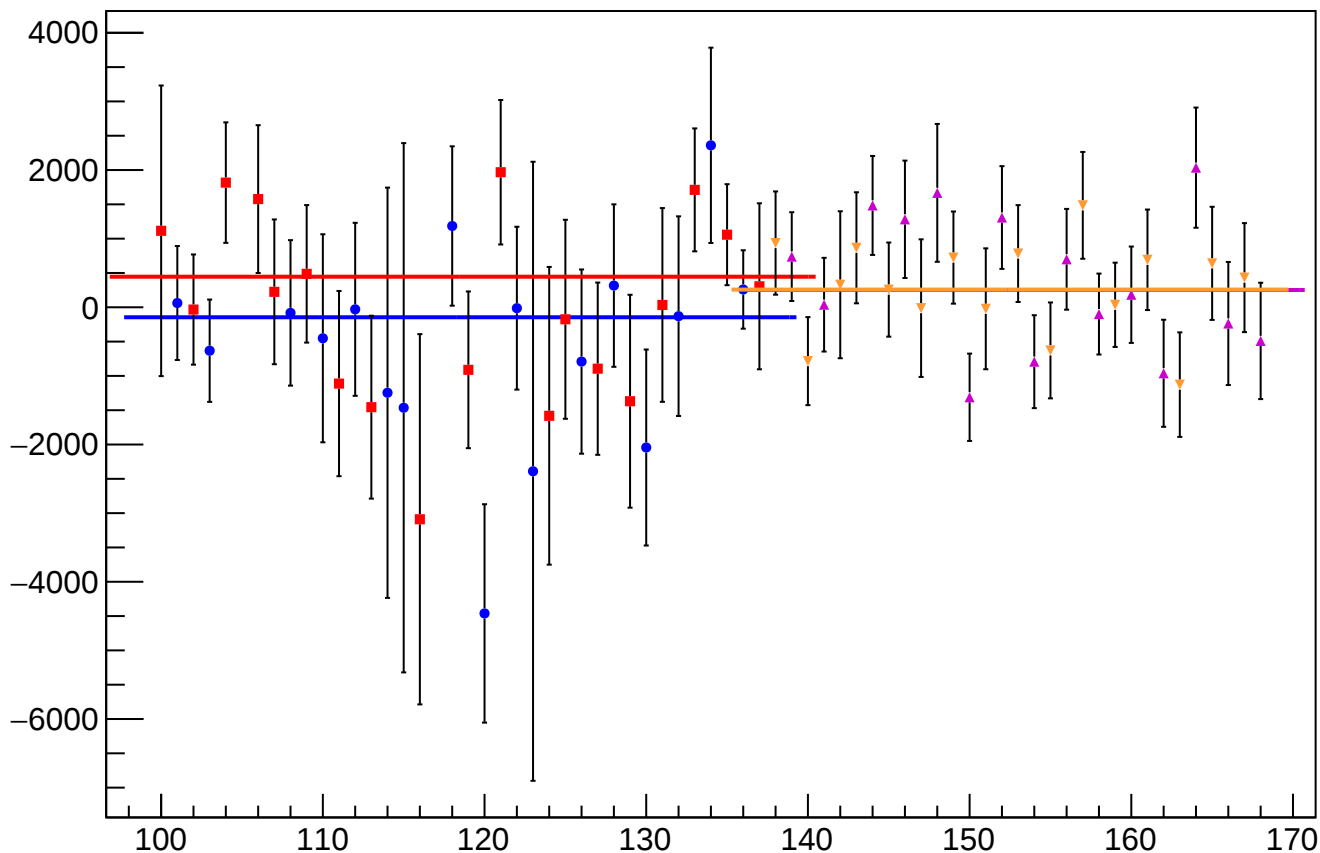
Left In: 107.220+/-0.022 χ^2/NDF : 161985.2/14

+ sign 99.998+/-0.016 χ^2/NDF : 369880.2/32

All: 100.288+/-0.012 χ^2/NDF : 809537.8/66

- sign 100.578+/-0.016 χ^2/NDF : 439038.3/33

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 $\pm$ 276.629 χ^2 /NDF: 15.5/16

Left Out: 257.838 $\pm$ 188.217 χ^2 /NDF:13.4/15

Right Out: 445.575 $\pm$ 260.276 χ^2 /NDF: 19.0/18

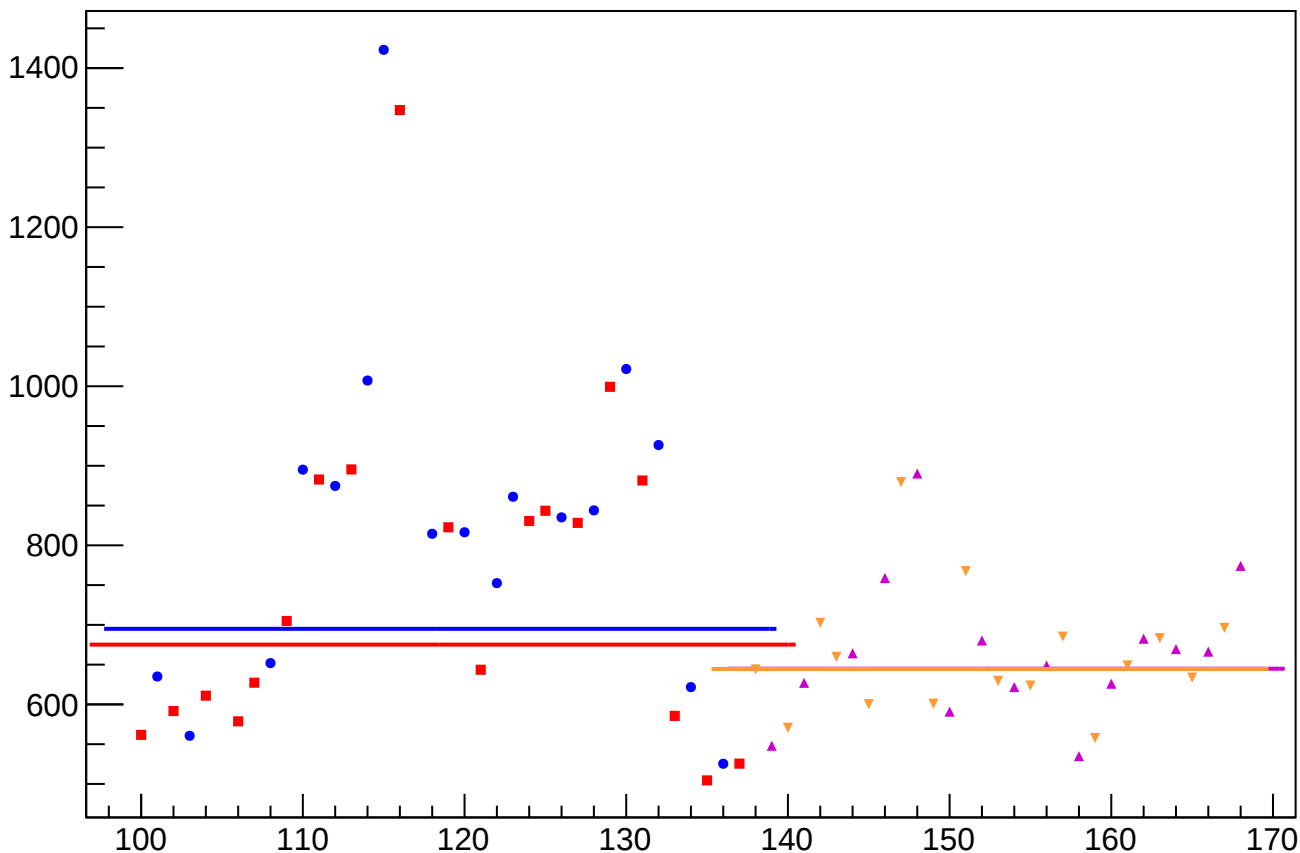
Left In: 251.929 $\pm$ 190.367 χ^2 /NDF:25.8/14

+ sign 130.216 $\pm$ 155.613 χ^2 /NDF: 30.3/32

All: 226.015 $\pm$ 109.336 χ^2 /NDF: 76.2/66

- sign 319.417 $\pm$ 153.654 χ^2 /NDF: 45.1/33

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 $\pm$ 0.196 χ^2/NDF : 677713.0/16

Left Out: 644.544 $\pm$ 0.133 χ^2/NDF : 260986.7/15

Right Out: 675.151 $\pm$ 0.184 χ^2/NDF : 676394.1/18

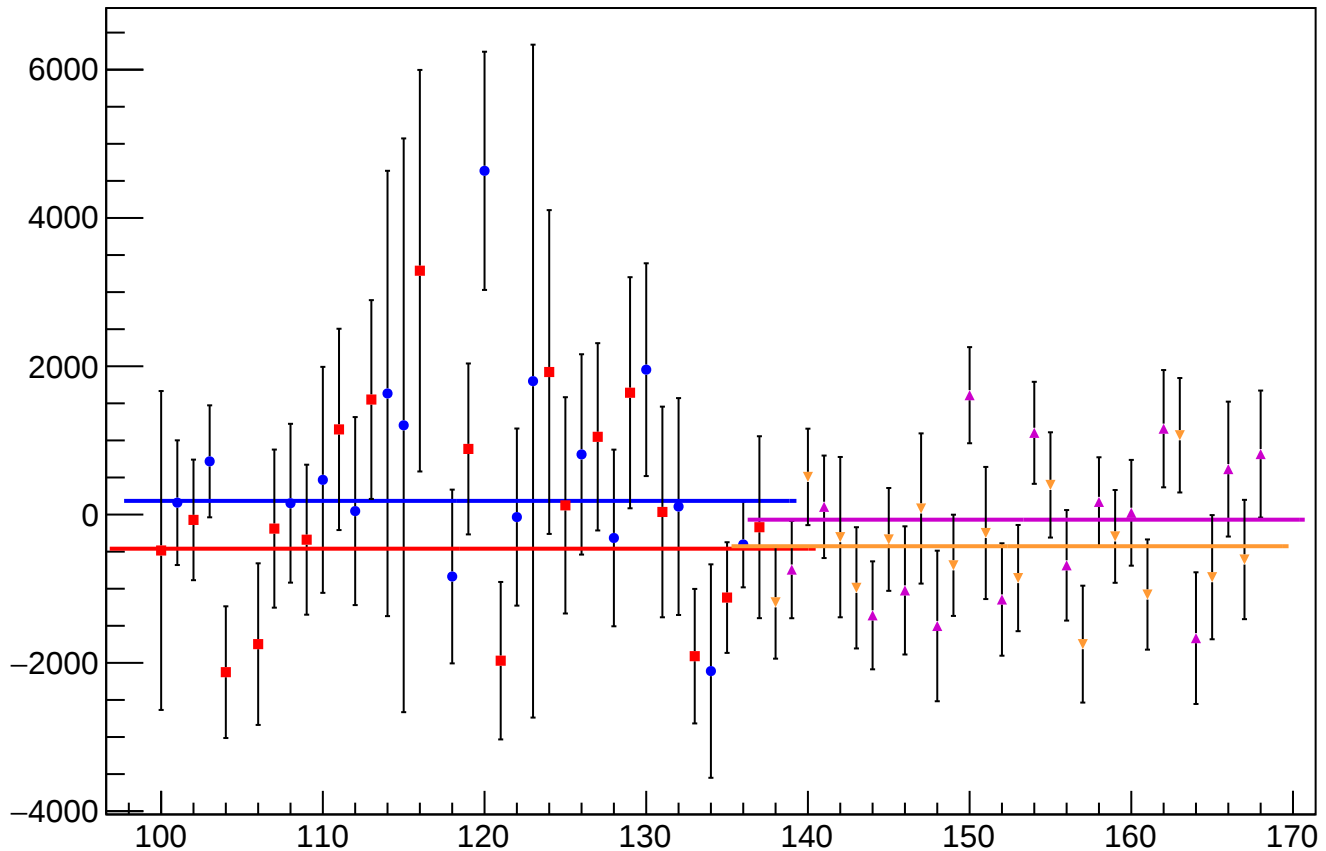
Left In: 644.884 $\pm$ 0.135 χ^2/NDF : 348743.5/14

+ sign 660.515 $\pm$ 0.110 χ^2/NDF : 984205.3/32

All: 657.942 $\pm$ 0.077 χ^2/NDF : 2028043.0/66

- sign 655.432 $\pm$ 0.109 χ^2/NDF : 1042757.3/33

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -426.898 ± 190.812 χ^2/NDF : 13.4/15

Right Out: -460.174 ± 262.960 χ^2/NDF : 22.3/18

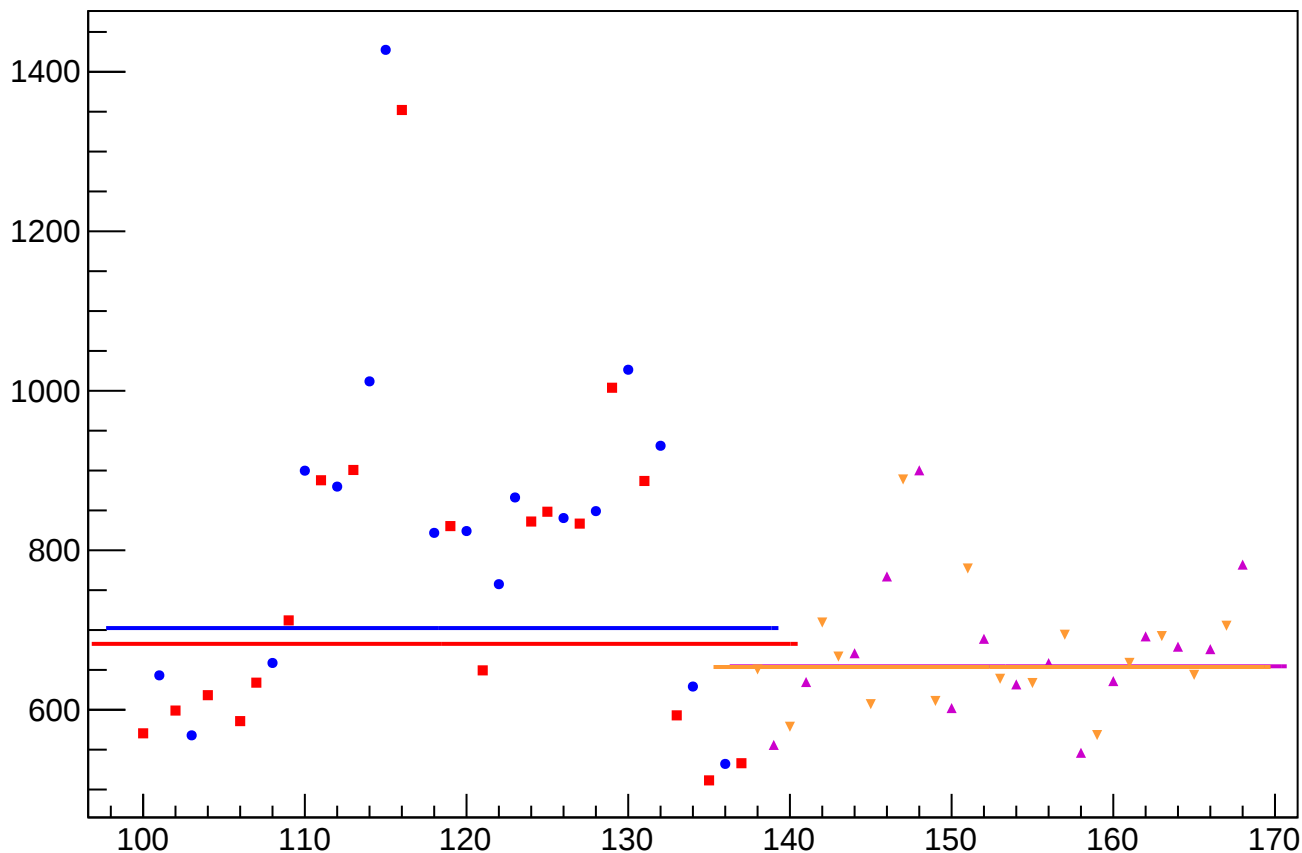
Left In: -68.990 ± 193.133 χ^2/NDF : 27.2/14

+ sign -232.423 ± 157.570 χ^2/NDF : 31.6/32

All: -219.083 ± 110.738 χ^2/NDF : 82.5/66

- sign -206.065 ± 155.660 χ^2/NDF : 50.9/33

asym_sam_15_dd_rms vs Slug



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 653.648 $\pm$ 0.135 χ^2 /NDF: 254139.3/15

Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

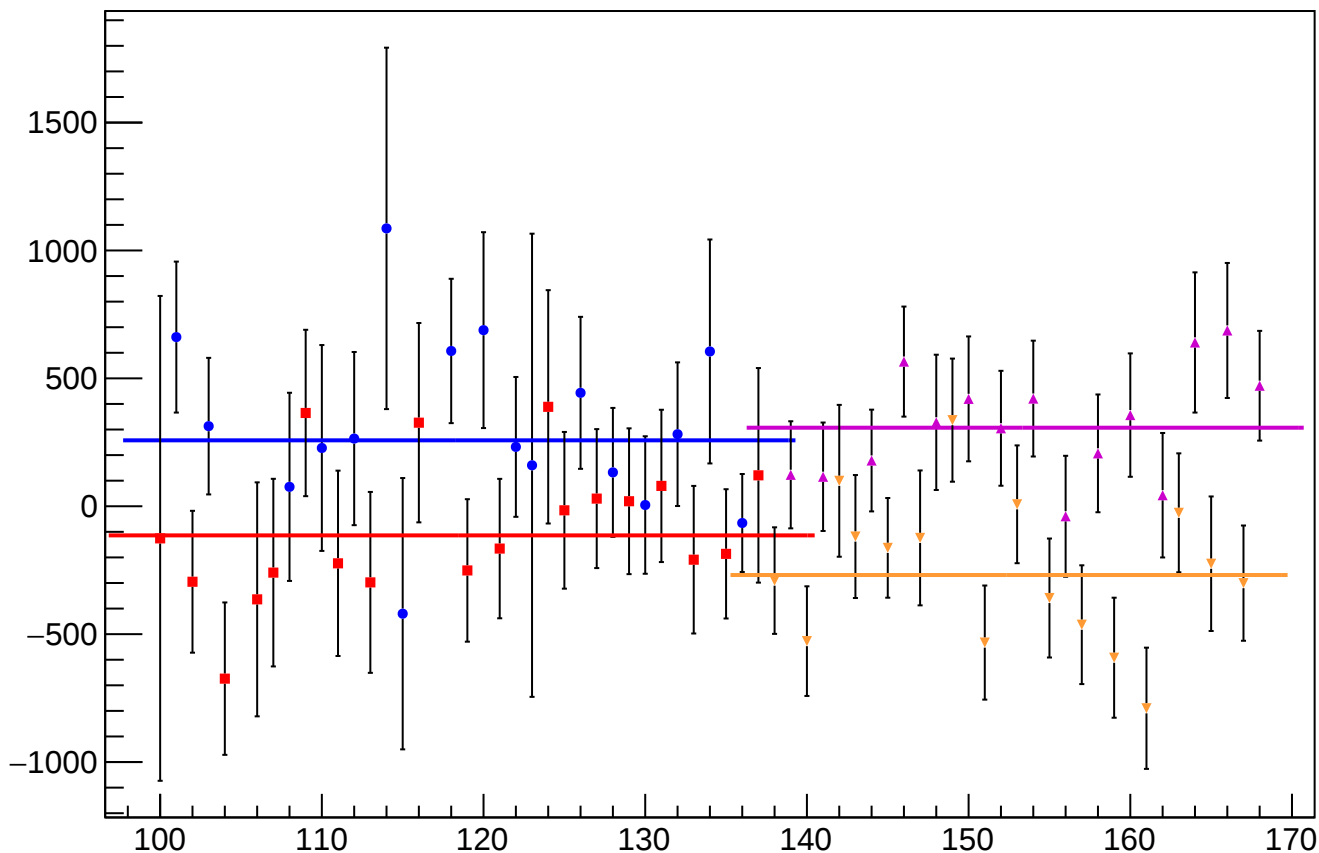
Left In: 654.530 $\pm$ 0.137 χ^2 /NDF: 336134.5/14

+ sign 669.177 $\pm$ 0.111 χ^2 /NDF: 956309.2/32

All: 666.753 $\pm$ 0.078 χ^2 /NDF: 1967769.8/66

- sign 664.387 $\pm$ 0.110 χ^2 /NDF: 1010525.5/33

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 χ^2/NDF : 13.0/16

Left Out: -268.834 ± 58.116 χ^2/NDF : 21.9/15

Right Out: -113.851 ± 74.211 χ^2/NDF : 11.2/18

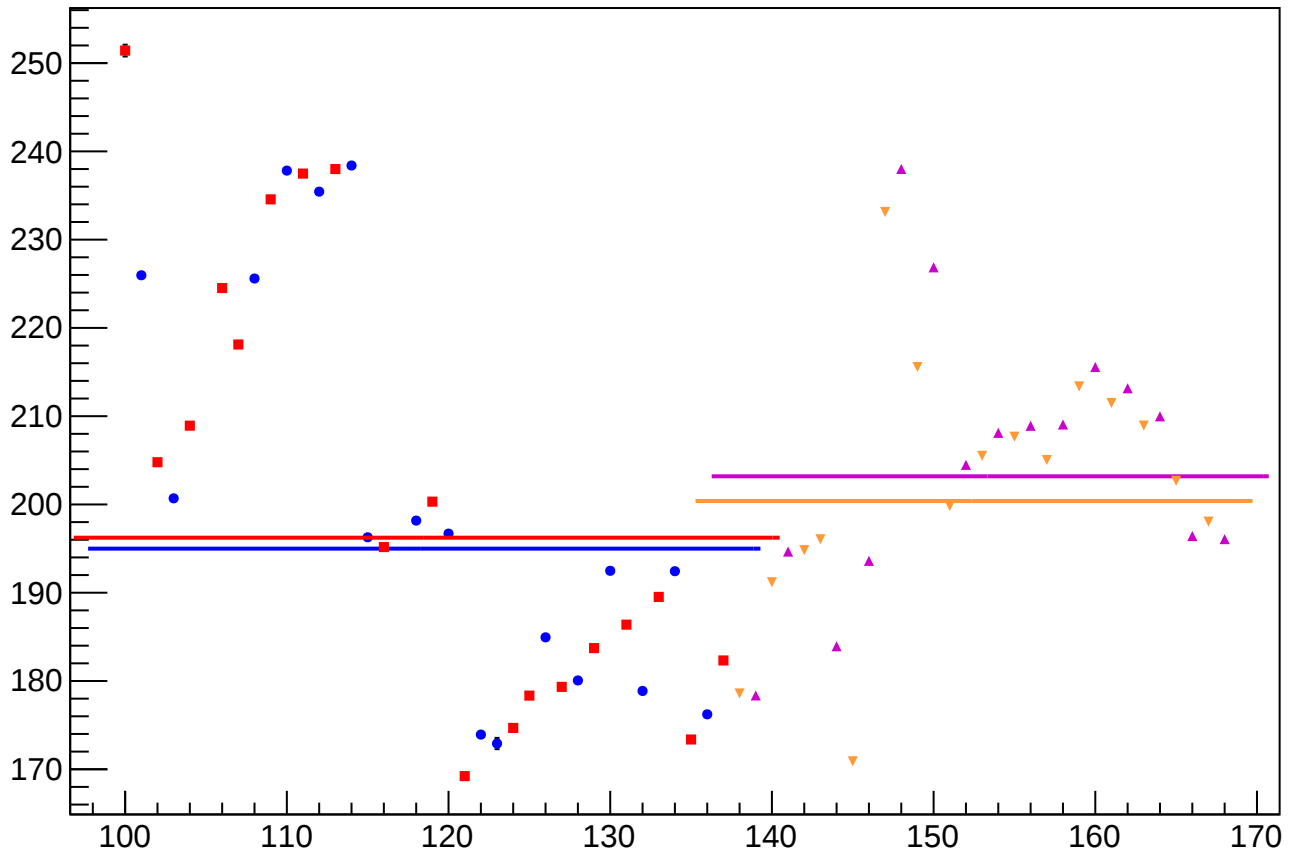
Left In: 307.096 ± 59.484 χ^2/NDF : 11.6/14

+ sign -74.324 ± 46.150 χ^2/NDF : 65.2/32

All: 33.437 ± 32.726 χ^2/NDF : 118.6/66

- sign 142.435 ± 46.414 χ^2/NDF : 42.4/33

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 200.390 $\pm$ 0.041 χ^2 /NDF:128918.1/15

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

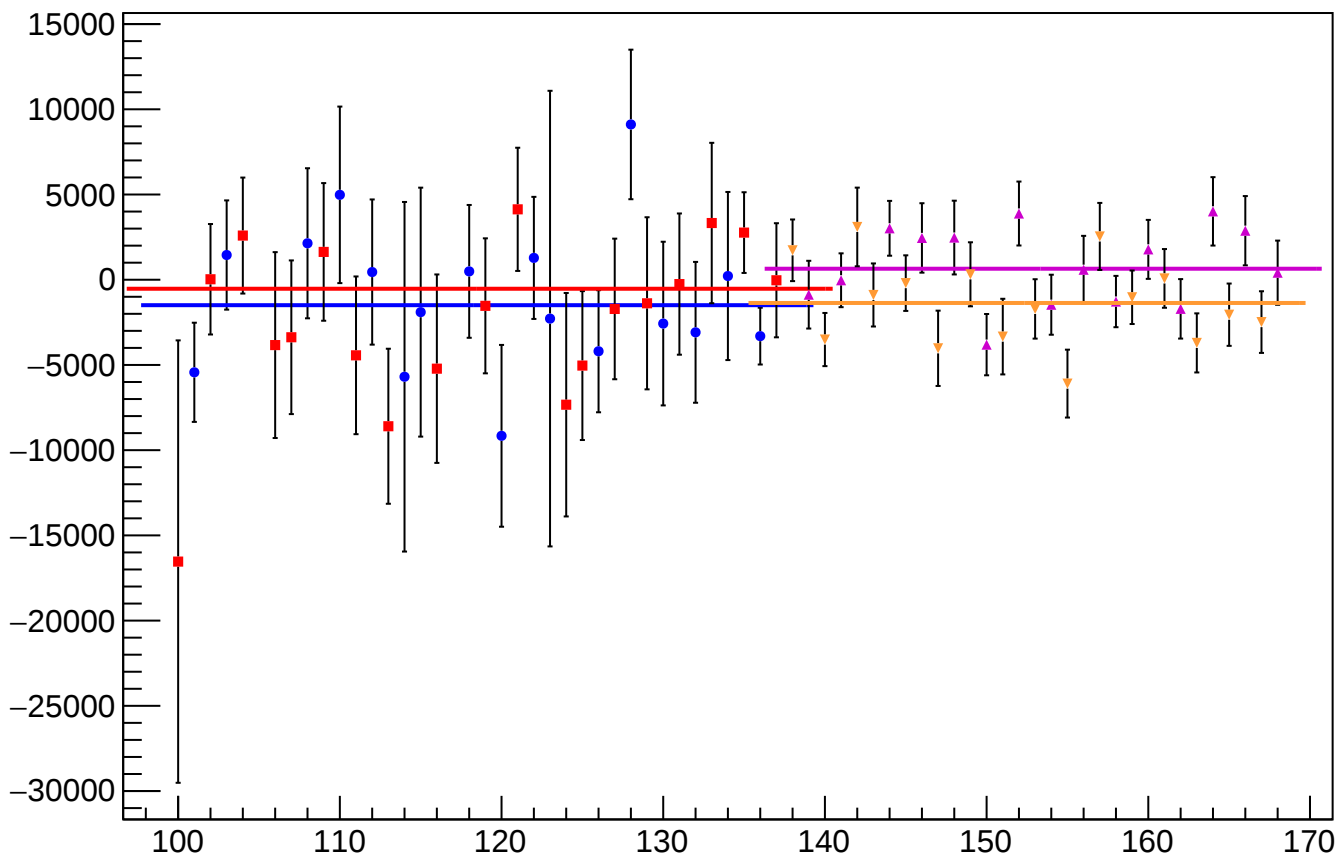
Left In: 203.189 $\pm$ 0.042 χ^2 /NDF:124419.7/14

+ sign 198.397 $\pm$ 0.033 χ^2 /NDF: 279558.8/32

All: 199.427 $\pm$ 0.023 χ^2 /NDF: 590167.7/66

- sign 200.469 $\pm$ 0.033 χ^2 /NDF: 308604.8/33

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 $\pm$ 910.834 χ^2/NDF : 16.1/16

Left Out: -1363.372 $\pm$ 457.138 χ^2/NDF : 24.9/15

Right Out: -528.758 $\pm$ 934.718 χ^2/NDF : 14.6/18

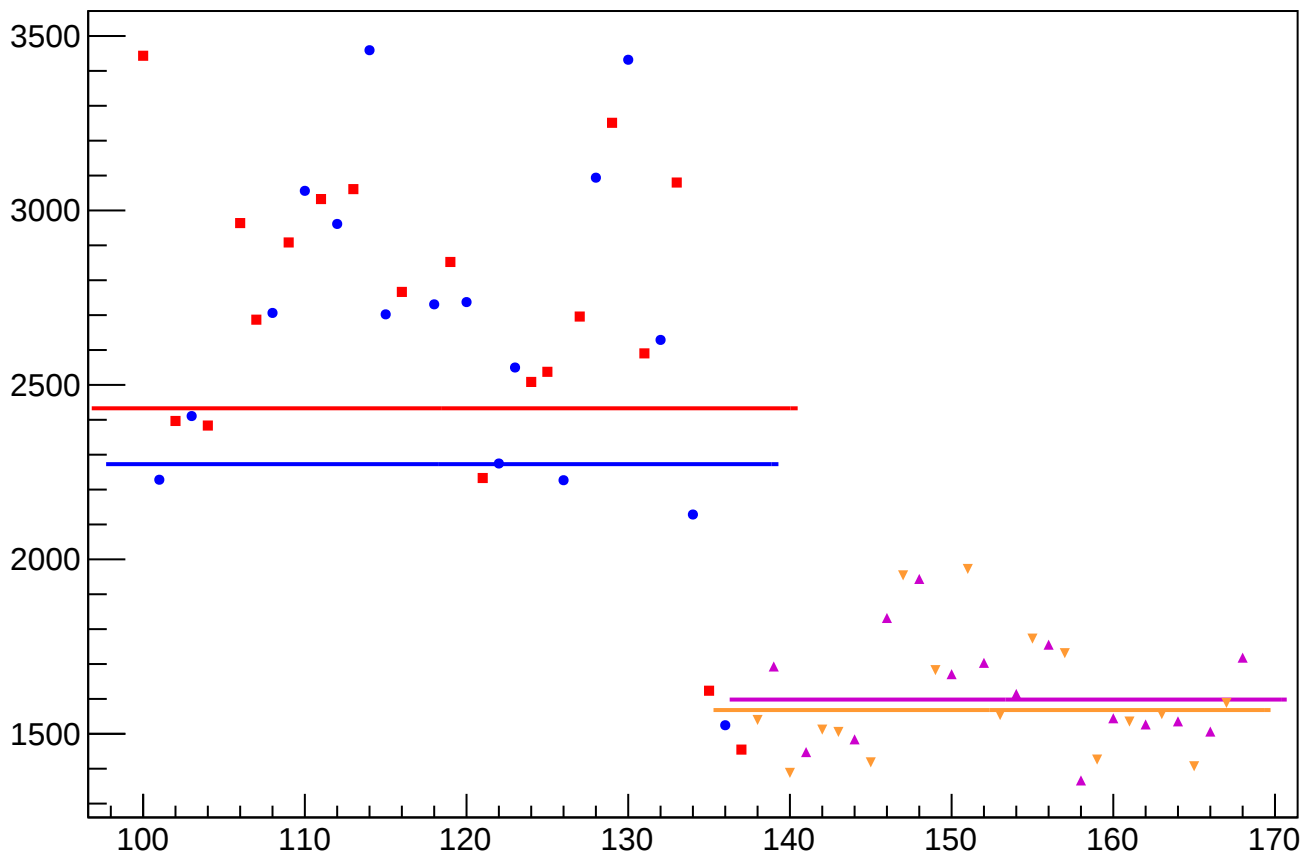
Left In: 645.751 $\pm$ 469.304 χ^2/NDF : 22.9/14

+ sign -1389.511 $\pm$ 408.567 χ^2/NDF : 41.0/32

All: -513.663 $\pm$ 292.658 χ^2/NDF : 89.3/66

- sign 409.284 $\pm$ 419.409 χ^2/NDF : 38.8/33

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2 /NDF: 805650.3/16

Left Out: 1568.095+/-0.323 χ^2 /NDF:250419.9/15

Right Out: 2432.950+/-0.661 χ^2 /NDF: 680783.9/18

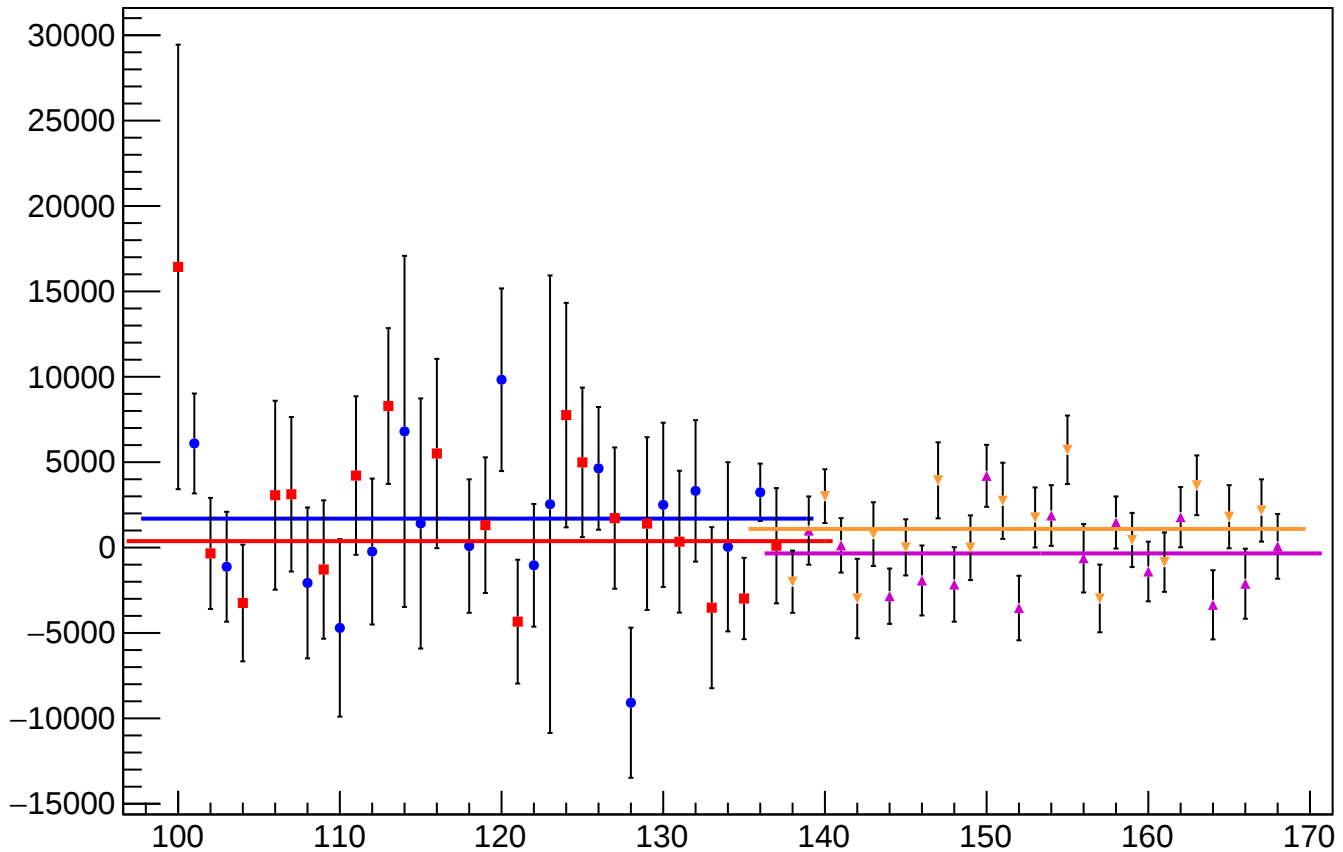
Left In: 1598.144+/-0.332 χ^2 /NDF:199288.2/14

+ sign 1709.905+/-0.289 χ^2 /NDF: 2012609.0/32

All: 1737.324+/-0.207 χ^2 /NDF: 4185287.6/60

- sign 1766.218+/-0.297 χ^2 /NDF: 2154178.9/33

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 1092.829 $\pm$ 461.018 χ^2 /NDF:24.2/15

Right Out: 377.629 $\pm$ 938.528 χ^2 /NDF: 15.0/18

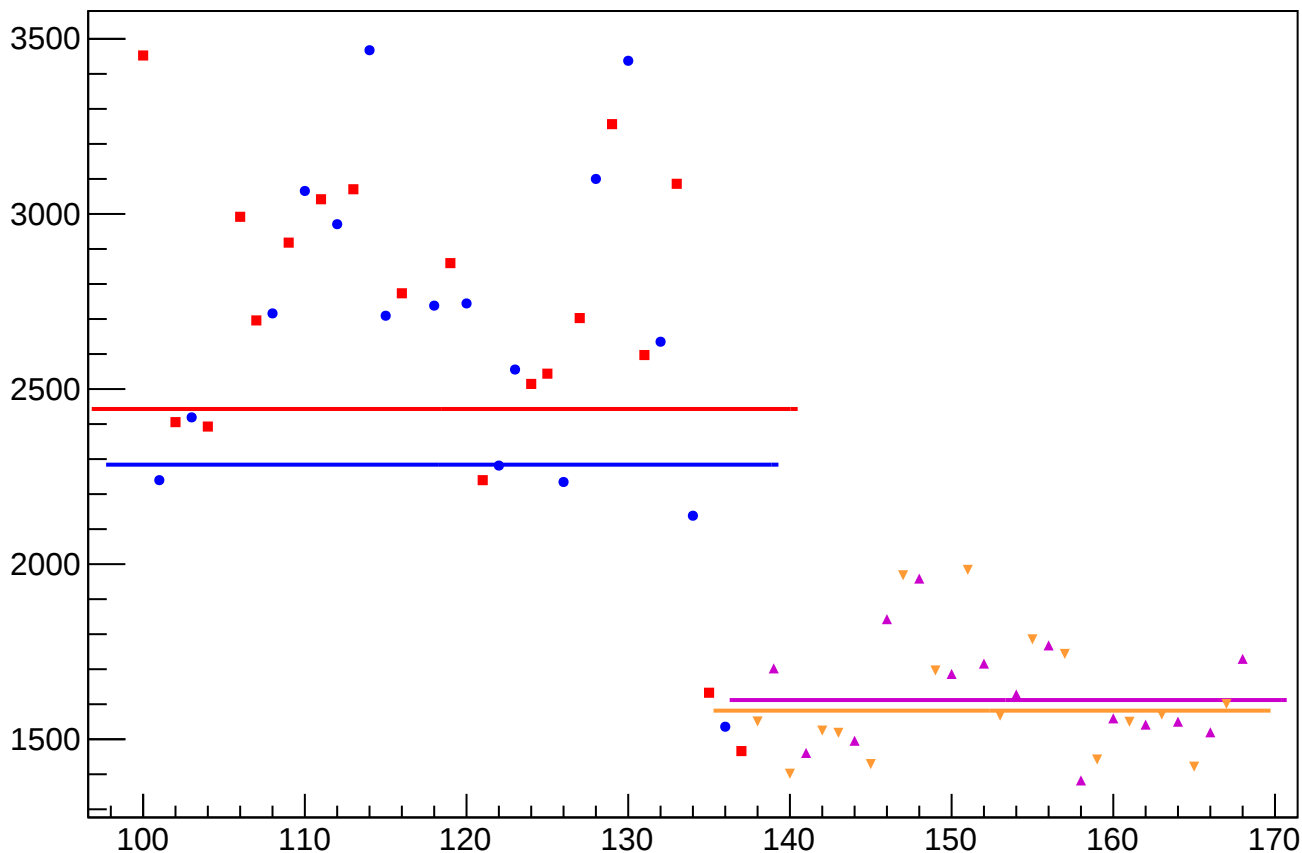
Left In: -341.780 $\pm$ 473.280 χ^2 /NDF:21.2/14

+ sign 1214.970 $\pm$ 411.698 χ^2 /NDF: 41.1/32

All: 527.936 $\pm$ 294.890 χ^2 /NDF: 83.4/66

- sign -195.927 $\pm$ 422.589 χ^2 /NDF: 36.6/33

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1581.687+/-0.326 χ^2/NDF : 245694.0/15

Right Out: 2443.124+/-0.664 χ^2/NDF : 672899.9/18

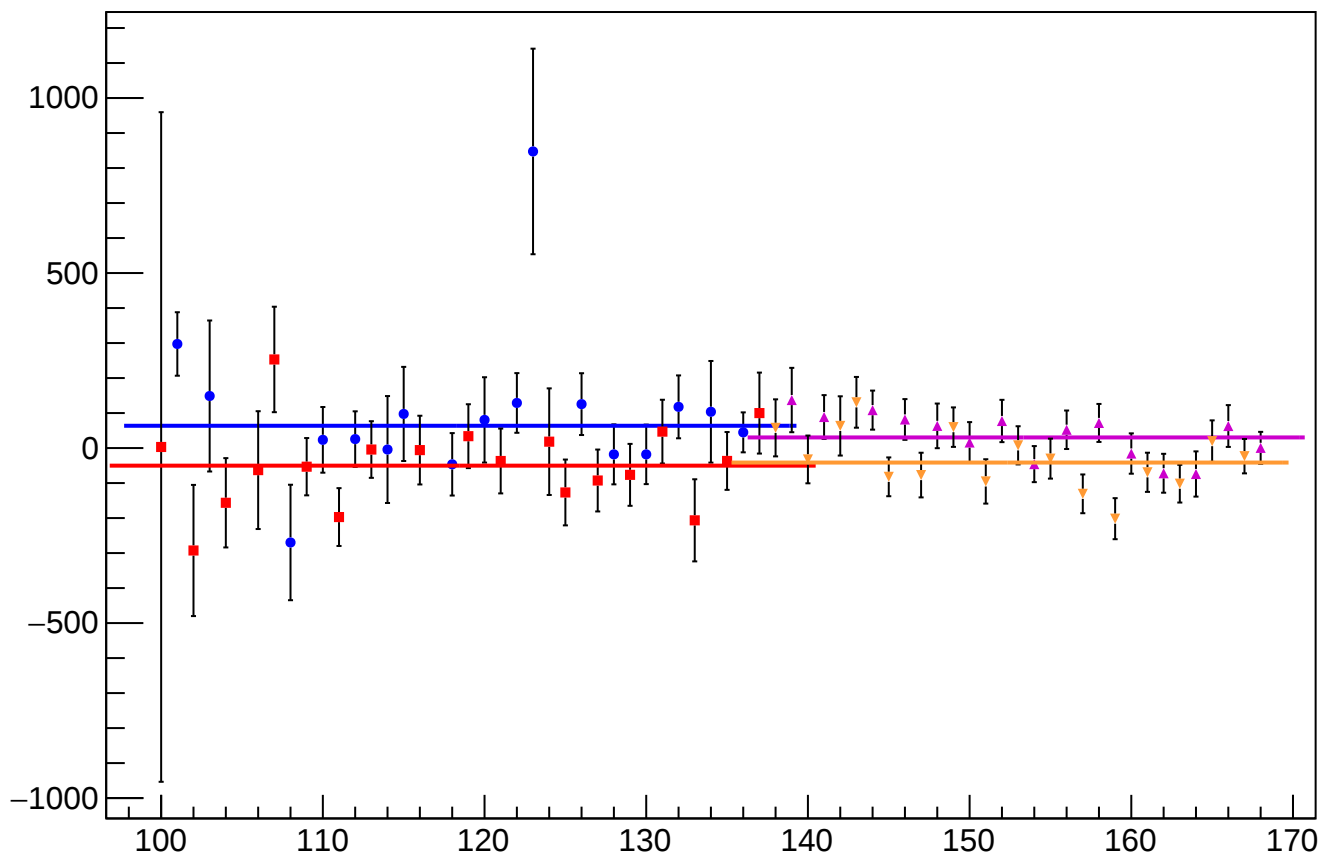
Left In: 1611.956+/-0.335 χ^2/NDF : 194113.8/14

+ sign 1723.936+/-0.291 χ^2/NDF : 1979925.7/32

All: 1751.464+/-0.209 χ^2/NDF : 4115884.7/60

- sign 1780.468+/-0.299 χ^2/NDF : 2117595.9/33

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666+/-23.743 χ^2/NDF : 23.7/16

Left Out: -41.433+/-14.986 χ^2/NDF : 27.1/15

Right Out: -50.278+/-23.661 χ^2/NDF : 16.8/18

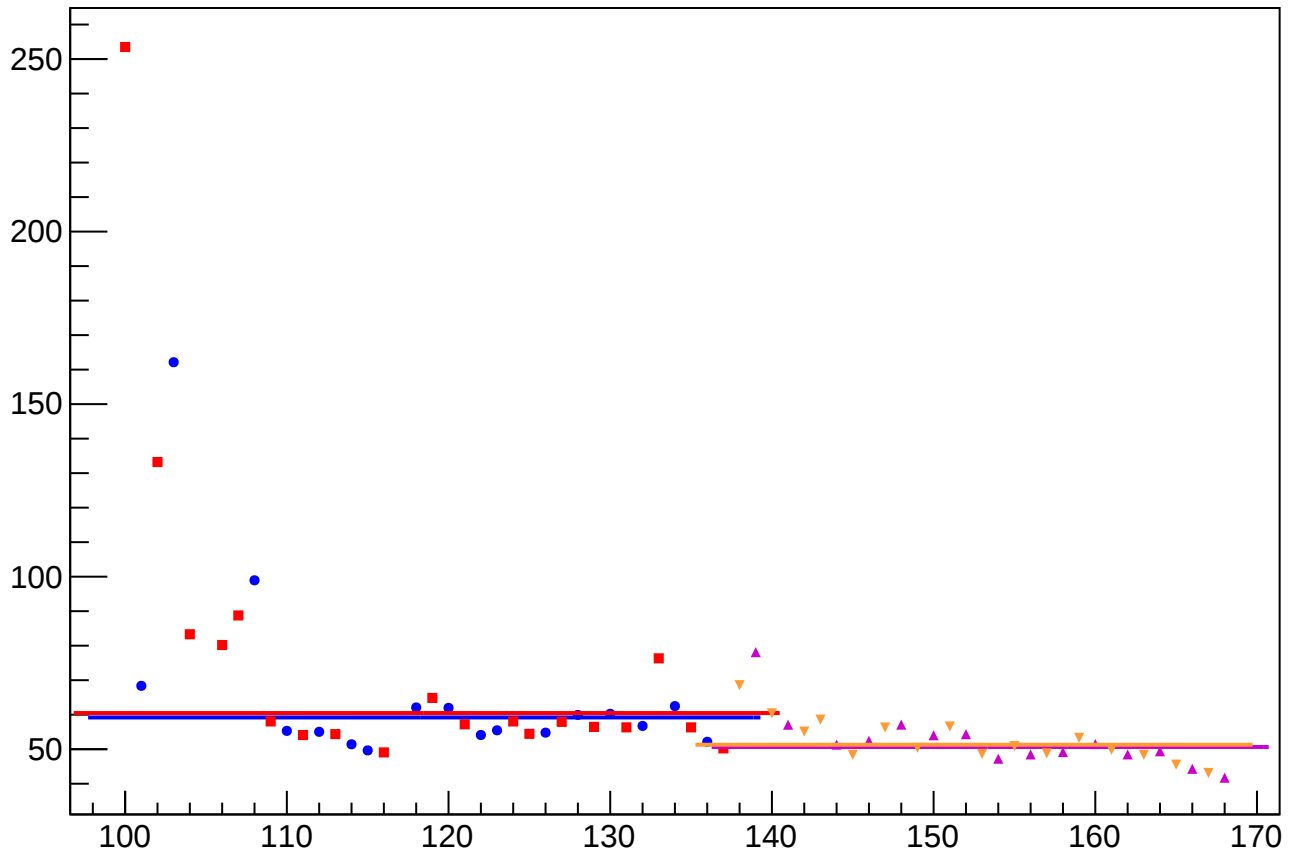
Left In: 30.346+/-14.946 χ^2/NDF : 16.2/14

+ sign -11.490+/-12.673 χ^2/NDF : 64.8/32

All: -2.043+/-8.948 χ^2/NDF : 107.2/66

- sign 7.351+/-12.636 χ^2/NDF : 41.3/33

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 51.297 $\pm$ 0.011 χ^2 /NDF: 274532.2/15

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

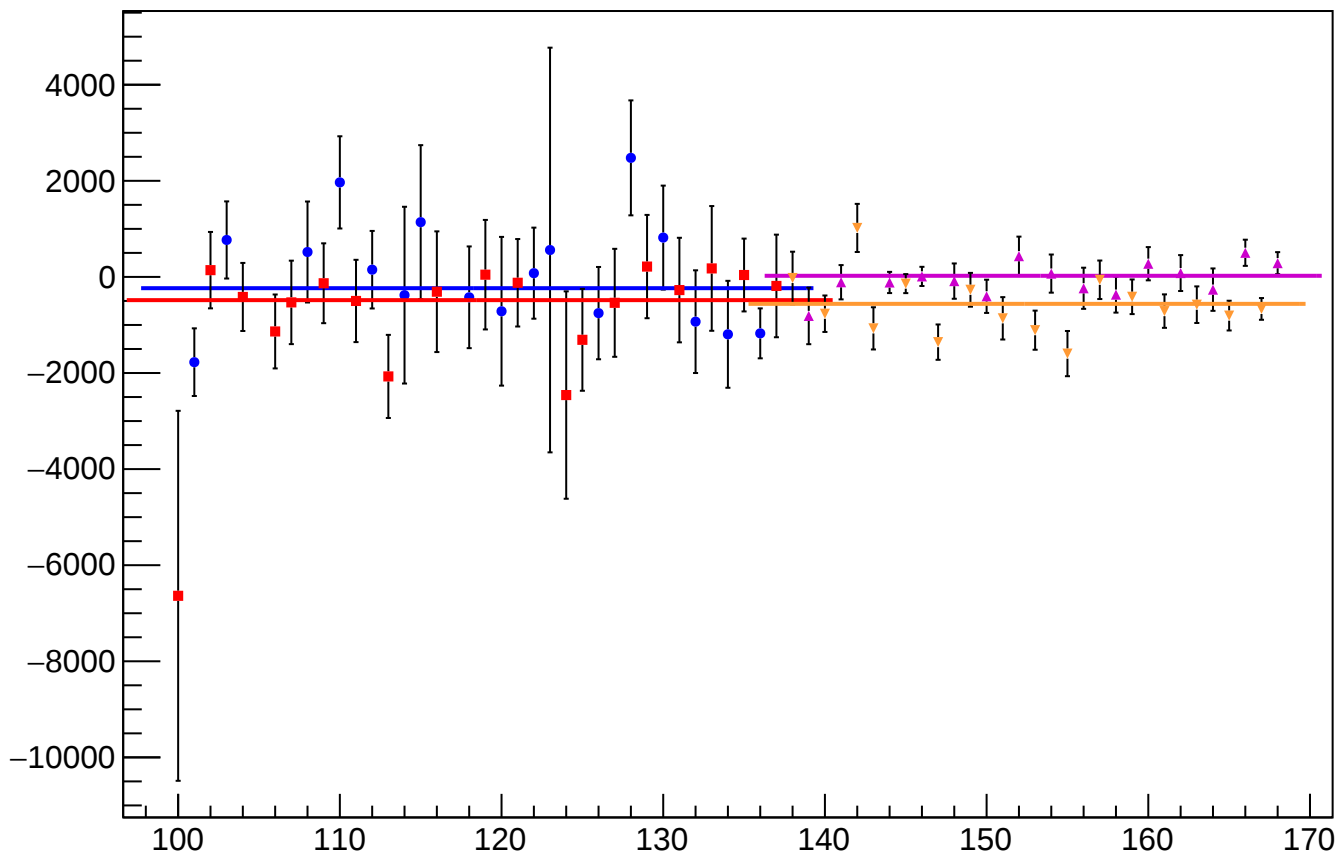
Left In: 50.645 $\pm$ 0.011 χ^2 /NDF: 352962.0/14

+ sign 53.549 $\pm$ 0.009 χ^2 /NDF: 1098466.9/32

All: 53.500 $\pm$ 0.006 χ^2 /NDF: 2378705.4/66

- sign 53.451 $\pm$ 0.009 χ^2 /NDF: 1280178.5/33

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -560.597 ± 85.998 χ^2/NDF : 32.4/15

Right Out: -483.305 ± 222.314 χ^2/NDF : 10.6/18

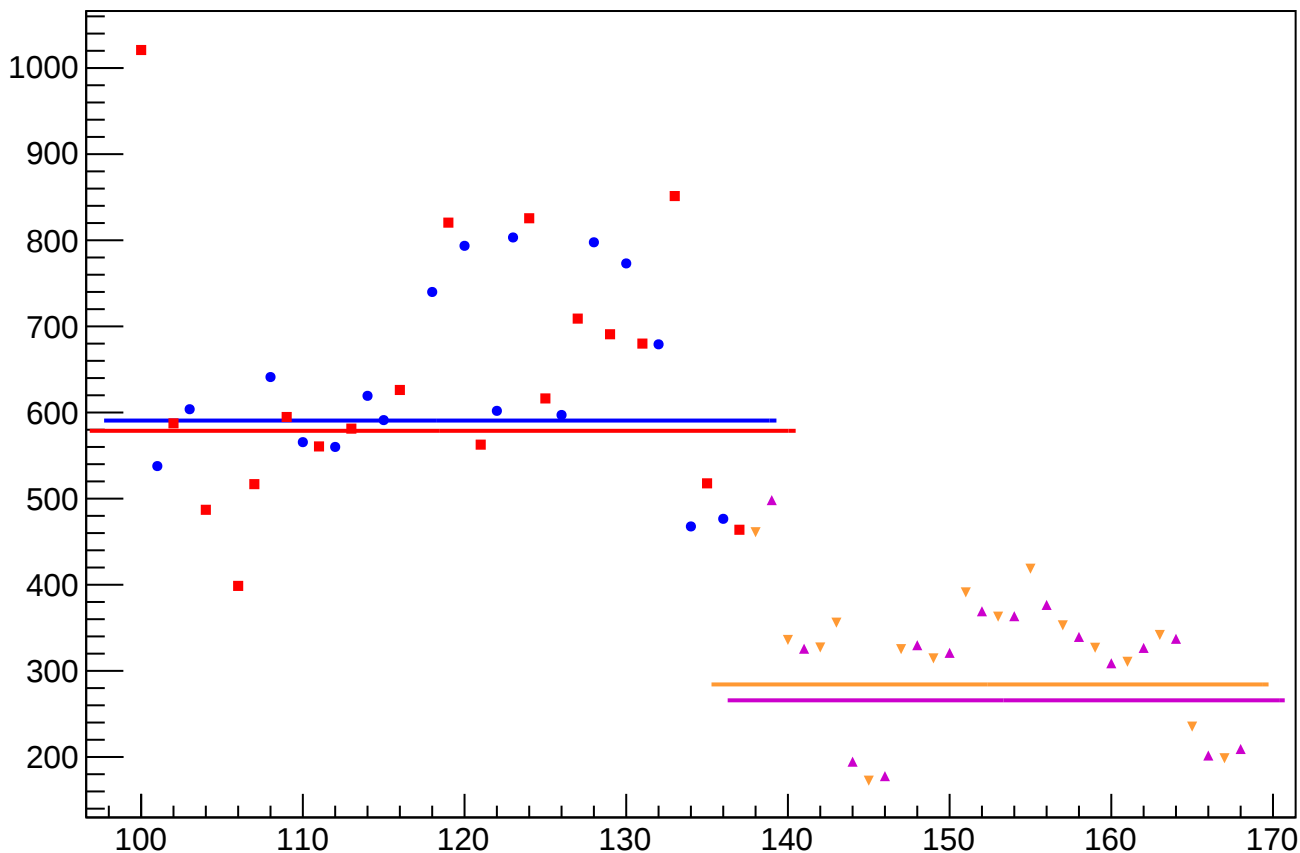
Left In: 23.512 ± 81.562 χ^2/NDF : 12.0/14

+ sign -521.757 ± 80.715 χ^2/NDF : 58.3/32

All: -266.415 ± 55.551 χ^2/NDF : 104.5/66

- sign -36.613 ± 76.572 χ^2/NDF : 27.2/33

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 284.246 $\pm$ 0.061 χ^2 /NDF:1826821.4/15

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

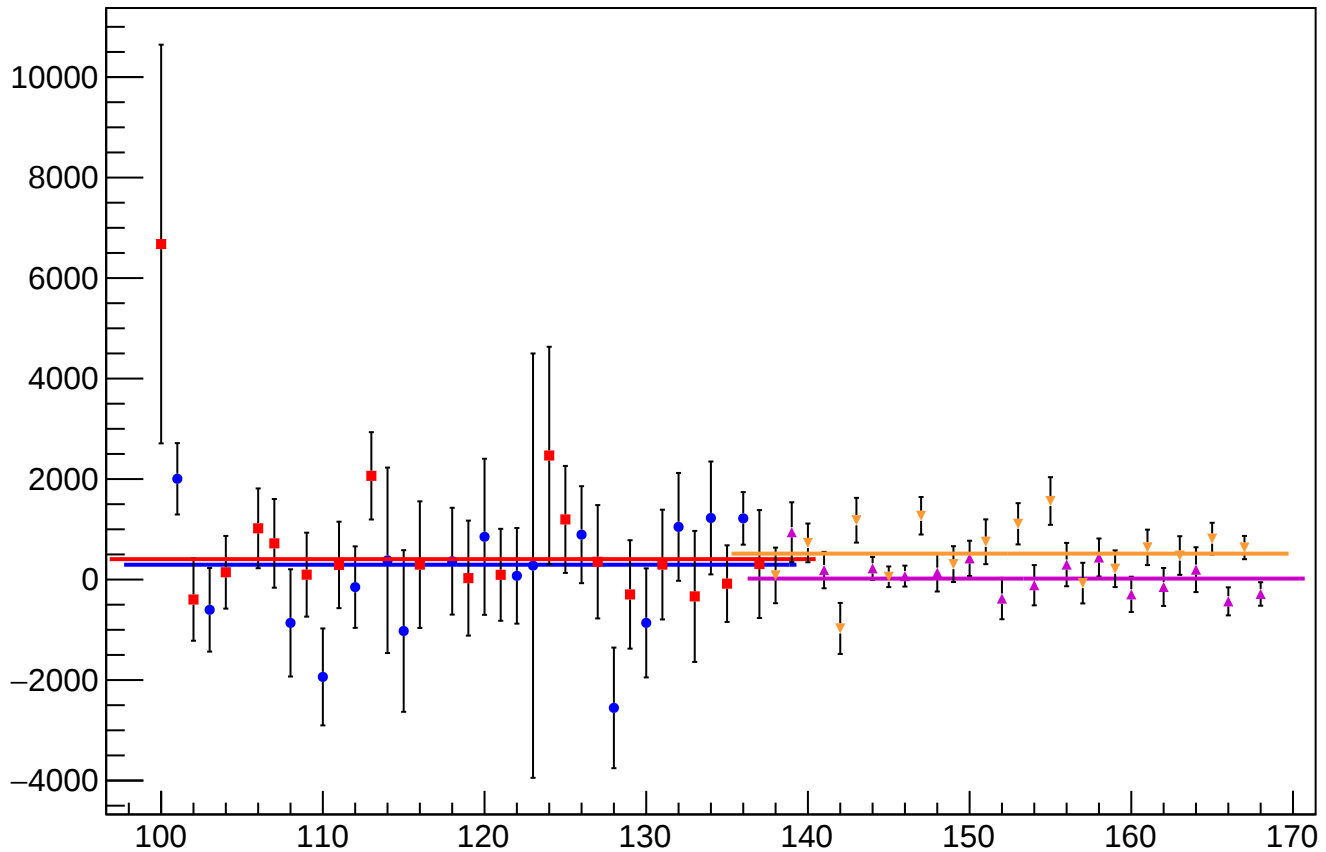
Left In: 265.800 $\pm$ 0.058 χ^2 /NDF:1908383.4/14

+ sign 320.740 $\pm$ 0.057 χ^2 /NDF: 5202918.8/32

All: 311.364 $\pm$ 0.039 χ^2 /NDF: 11149659.0/60

- sign 302.926 $\pm$ 0.054 χ^2 /NDF: 5895462.9/33

asym_sam_37_dd_mean vs Slug



Right In: 295.401 ± 235.860 χ^2/NDF : 26.1/16

Left Out: 516.135 ± 87.664 χ^2/NDF : 32.5/15

Right Out: 406.158 ± 224.855 χ^2/NDF : 11.0/18

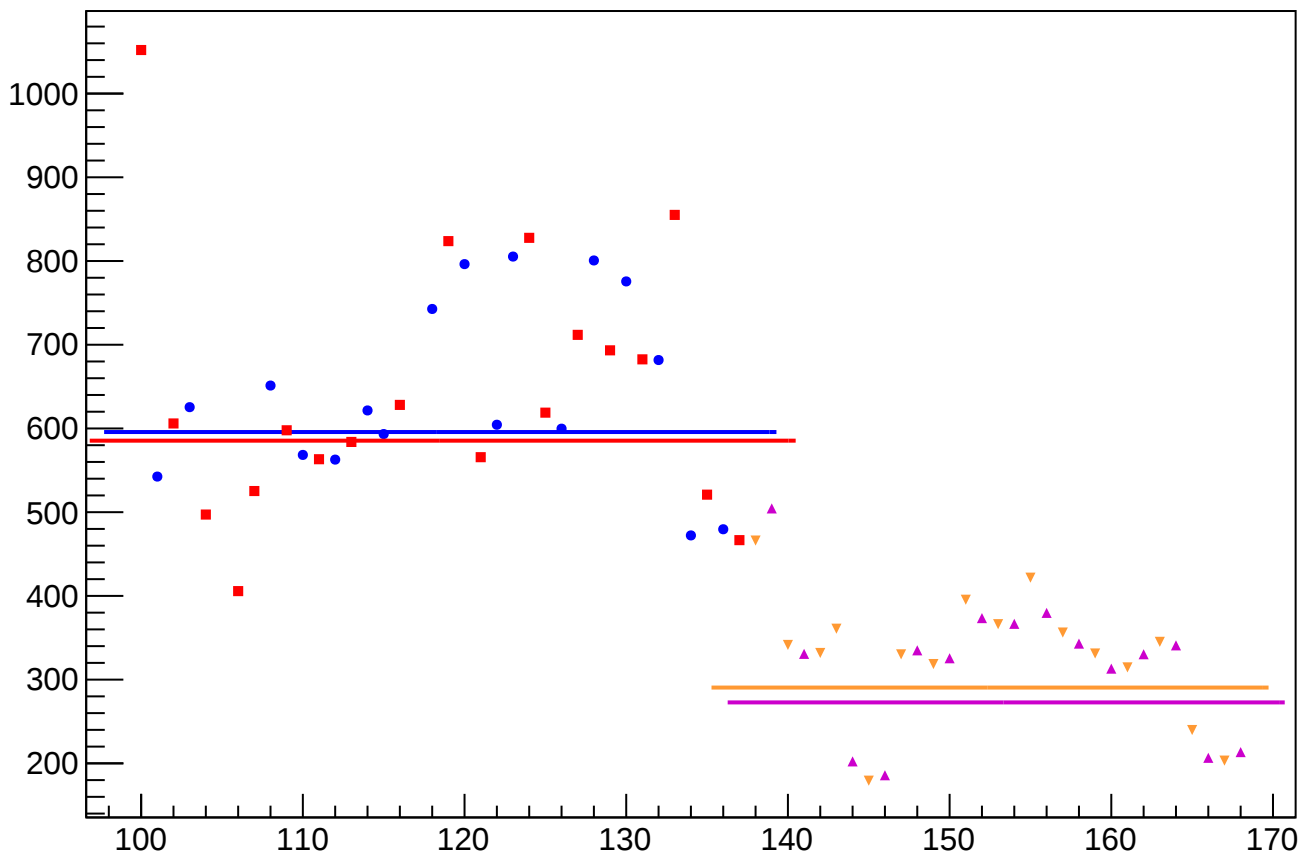
Left In: 19.567 ± 83.416 χ^2/NDF : 13.1/14

+ sign 489.343 ± 82.172 χ^2/NDF : 59.4/32

All: 267.390 ± 56.651 χ^2/NDF : 99.9/66

- sign 66.335 ± 78.208 χ^2/NDF : 26.7/33

asym_sam_37_dd_rms vs Slug



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 290.525 $\pm$ 0.062 χ^2 /NDF:1714099.2/15

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

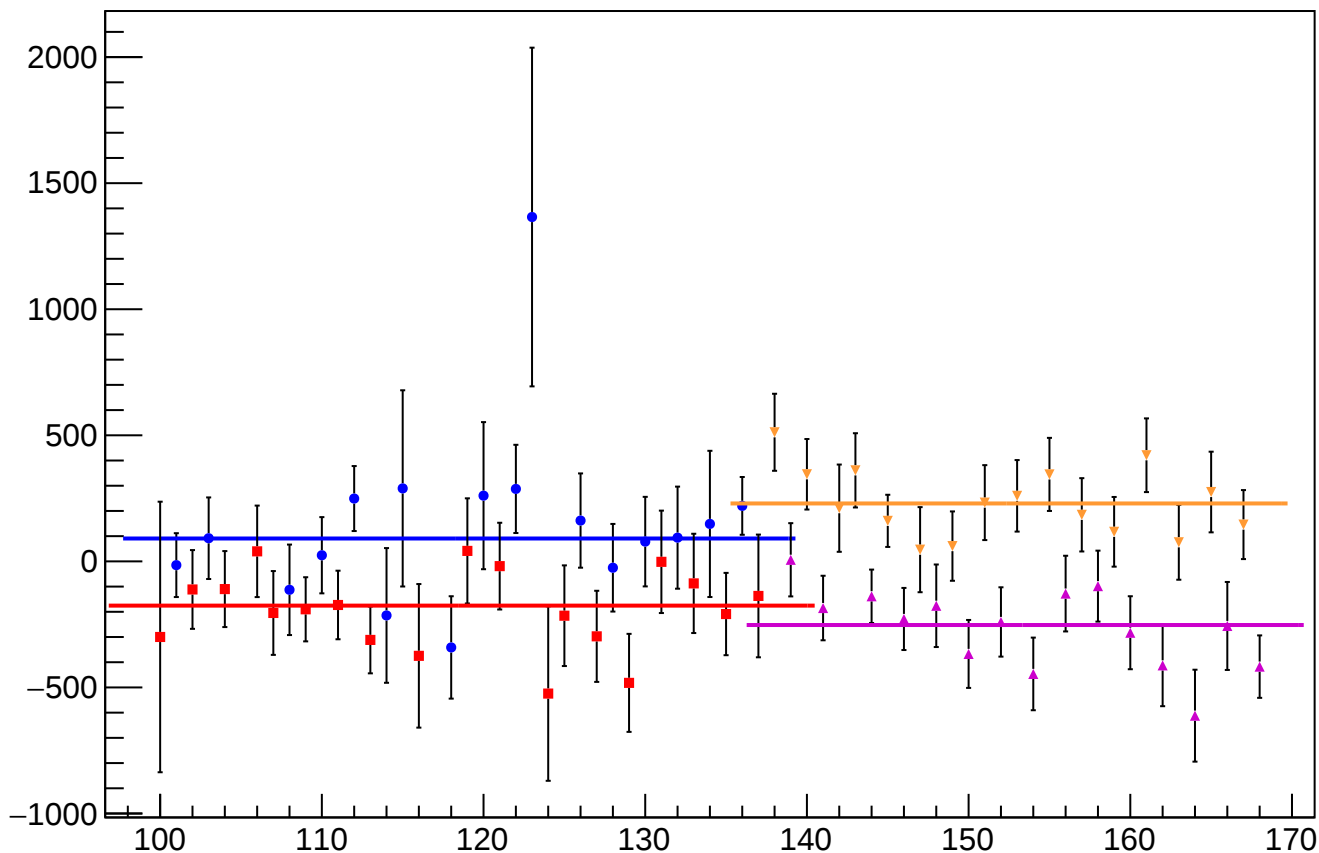
Left In: 272.785 $\pm$ 0.059 χ^2 /NDF:1775518.8/14

+ sign 327.570 $\pm$ 0.058 χ^2 /NDF: 5006657.0/32

All: 318.669 $\pm$ 0.040 χ^2 /NDF: 10700018.8/60

- sign 310.606 $\pm$ 0.055 χ^2 /NDF: 5648636.3/33

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711 ± 43.312 χ^2/NDF : 16.9/16

Left Out: 229.702 ± 35.763 χ^2/NDF : 12.7/15

Right Out: -175.485 ± 41.101 χ^2/NDF : 10.3/18

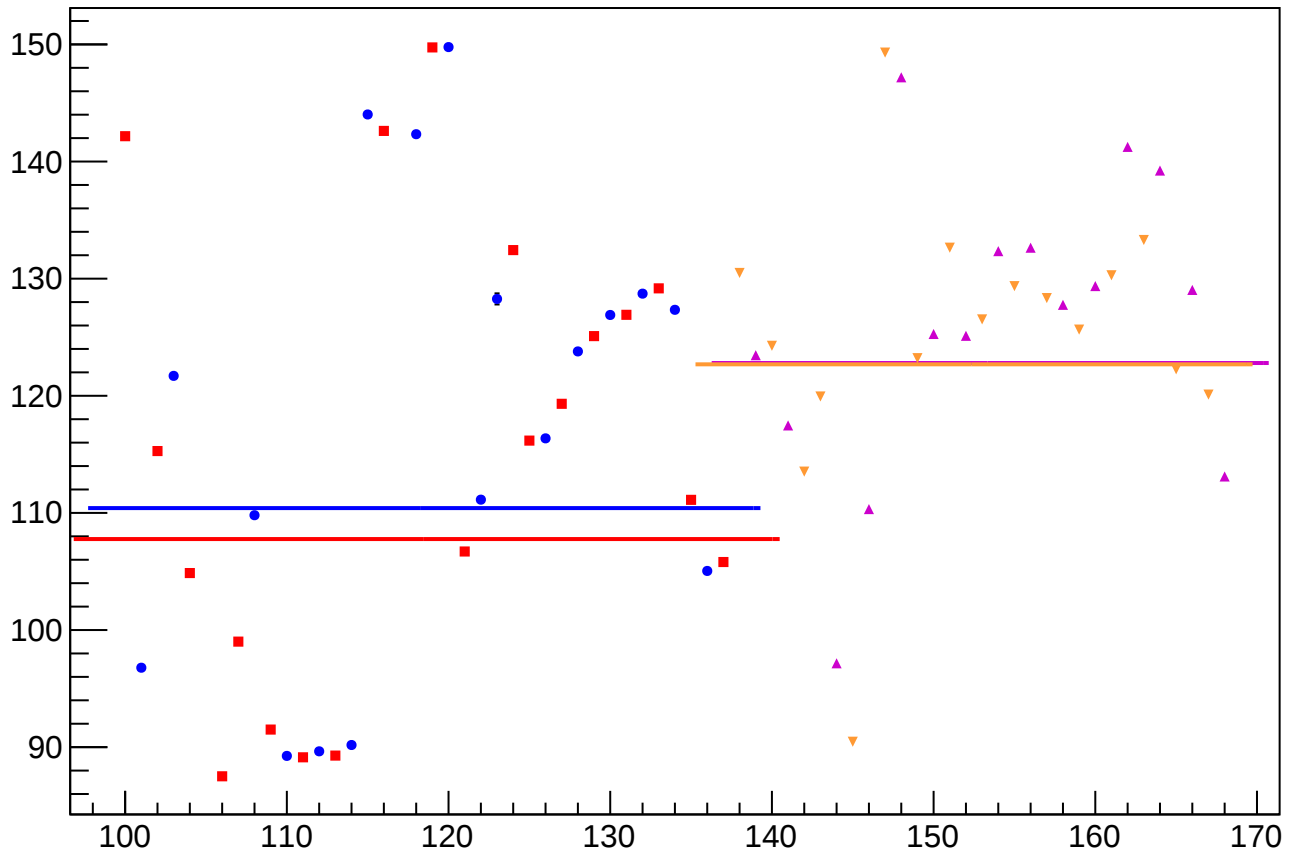
Left In: -252.430 ± 36.130 χ^2/NDF : 16.0/14

+ sign 173.355 ± 27.577 χ^2/NDF : 35.7/32

All: -25.929 ± 19.342 χ^2/NDF : 166.8/66

- sign -218.889 ± 27.136 χ^2/NDF : 28.3/33

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 122.686 $\pm$ 0.025 χ^2 /NDF: 290579.4/15

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

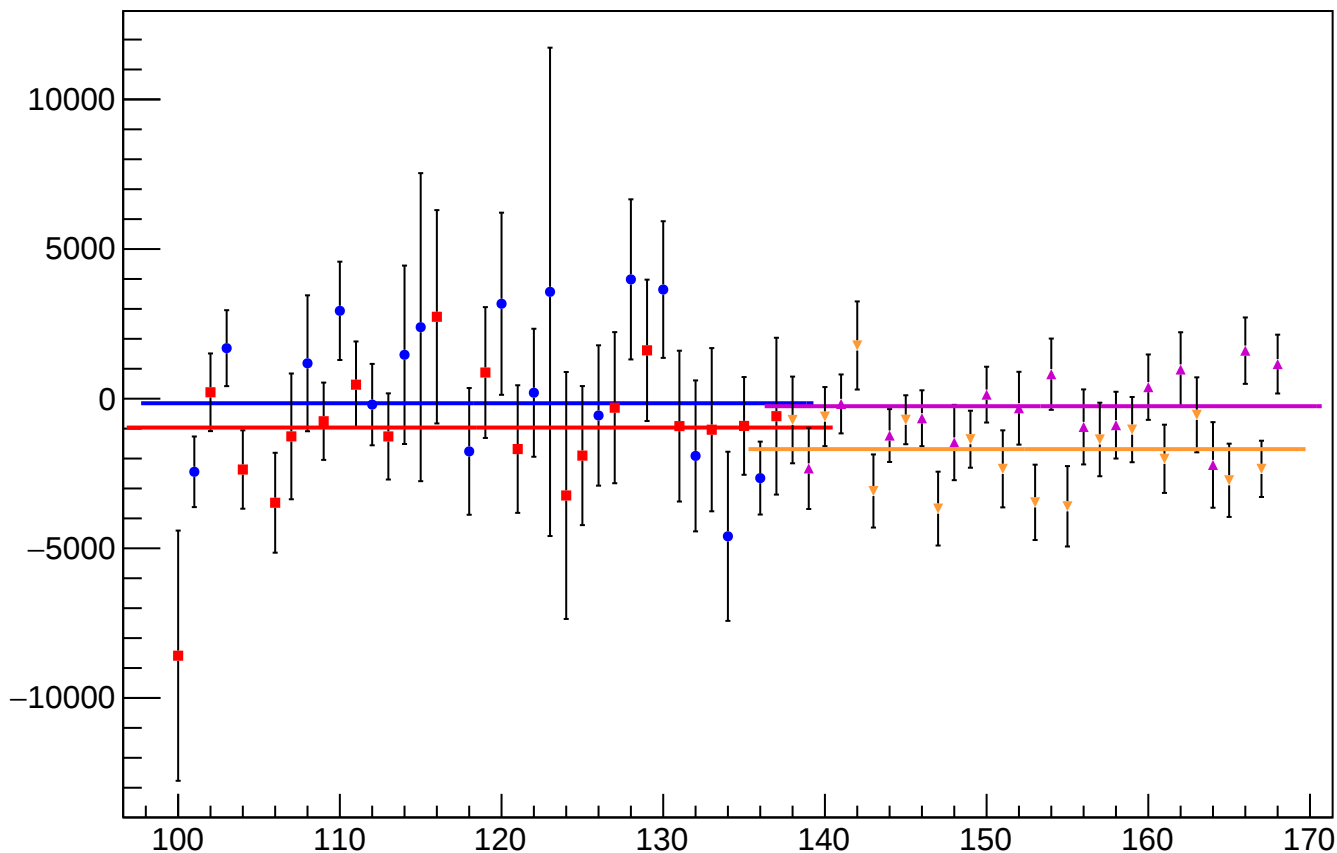
Left In: 122.798 $\pm$ 0.026 χ^2 /NDF: 268034.9/14

+ sign 117.710 $\pm$ 0.020 χ^2 /NDF: 682510.2/32

All: 116.966 $\pm$ 0.014 χ^2 /NDF: 1448719.6/66

- sign 116.246 $\pm$ 0.019 χ^2 /NDF: 763347.7/33

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1685.997 ± 284.115 χ^2/NDF : 19.5/15

Right Out: -964.716 ± 435.111 χ^2/NDF : 12.3/18

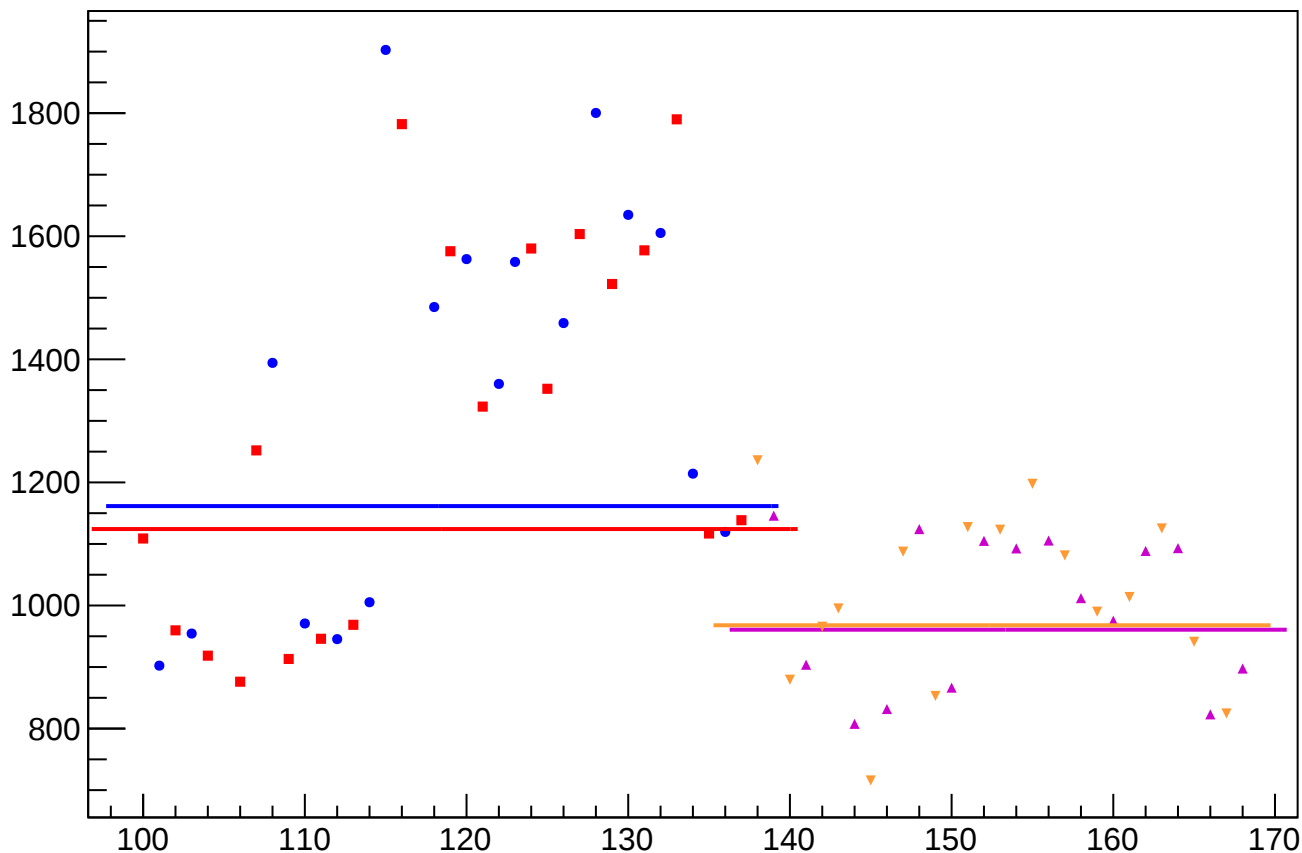
Left In: -251.328 ± 283.661 χ^2/NDF : 14.4/14

+ sign -1268.784 ± 242.407 χ^2/NDF : 52.1/32

All: -858.423 ± 169.692 χ^2/NDF : 86.3/66

- sign -464.097 ± 237.625 χ^2/NDF : 28.5/33

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 967.887+/-0.201 χ^2/NDF : 543440.1/15

Right Out: 1124.235+/-0.308 χ^2/NDF : 767790.0/18

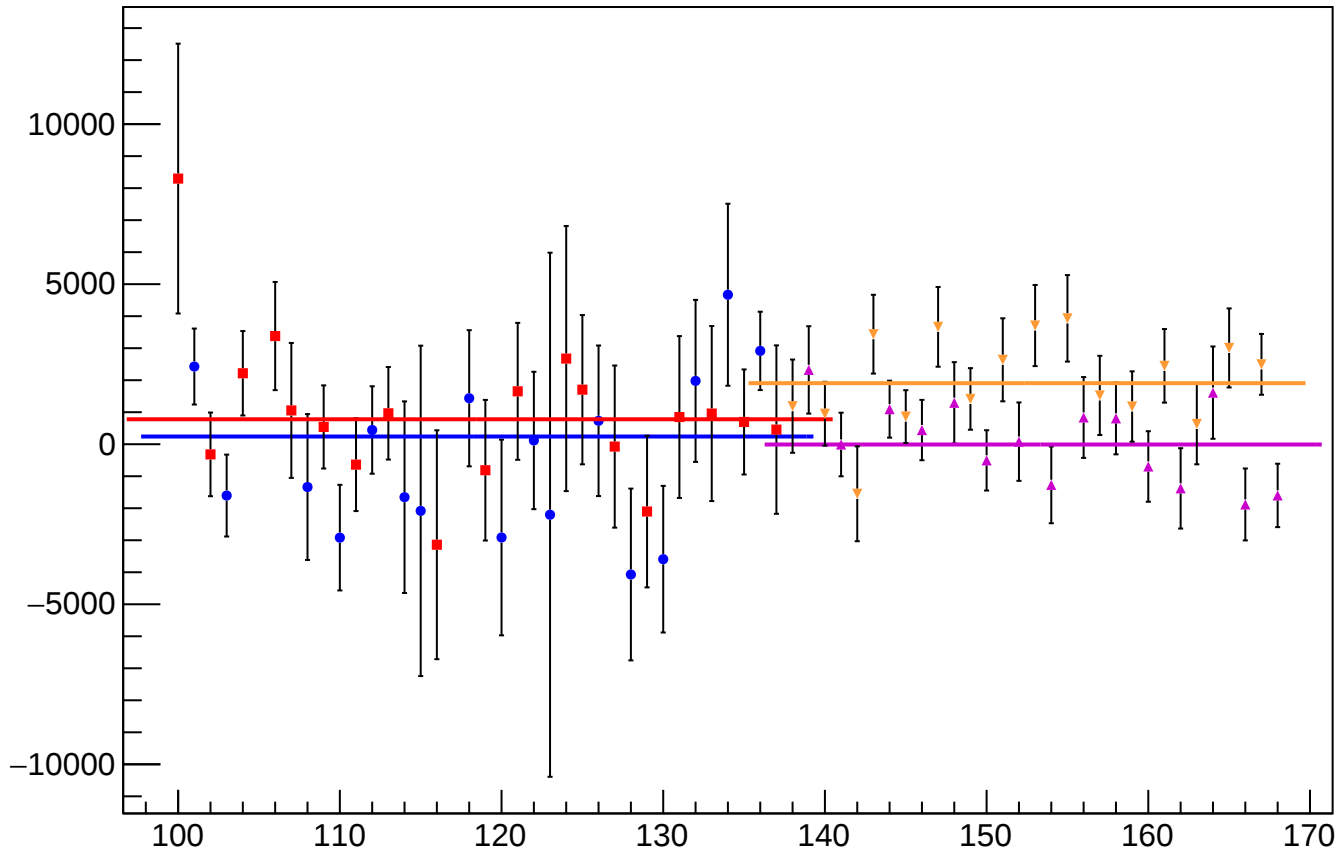
Left In: 960.662+/-0.201 χ^2/NDF : 357679.0/14

+ sign 1020.568+/-0.171 χ^2/NDF : 1492097.9/32

All: 1014.897+/-0.120 χ^2/NDF : 2818062.8/60

- sign 1009.448+/-0.168 χ^2/NDF : 1323818.7/33

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1907.195 $\pm$ 286.490 χ^2 /NDF:19.5/15

Right Out: 779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

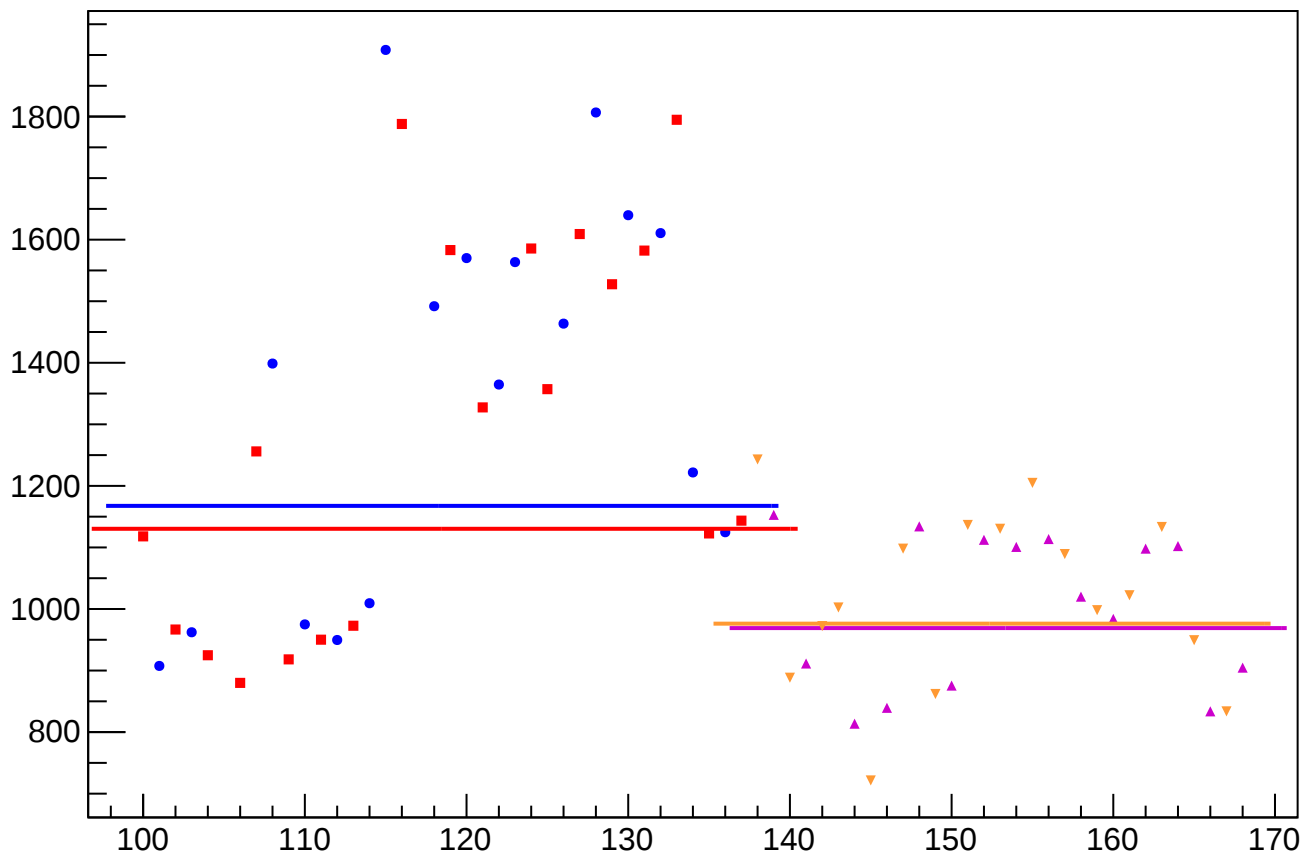
Left In: -8.524 $\pm$ 286.073 χ^2 /NDF:16.3/14

+ sign 1451.572 $\pm$ 244.205 χ^2 /NDF: 53.6/32

All: 827.402 $\pm$ 170.965 χ^2 /NDF: 97.3/66

- sign 227.411 $\pm$ 239.429 χ^2 /NDF: 30.9/33

asym_sam_48_dd_rms vs Slug



Right In: 1167.539+/-0.330 χ^2/NDF : 690485.6/16

Left Out: 976.183+/-0.203 χ^2/NDF : 536880.8/15

Right Out: 1130.301+/-0.309 χ^2/NDF : 761503.6/18

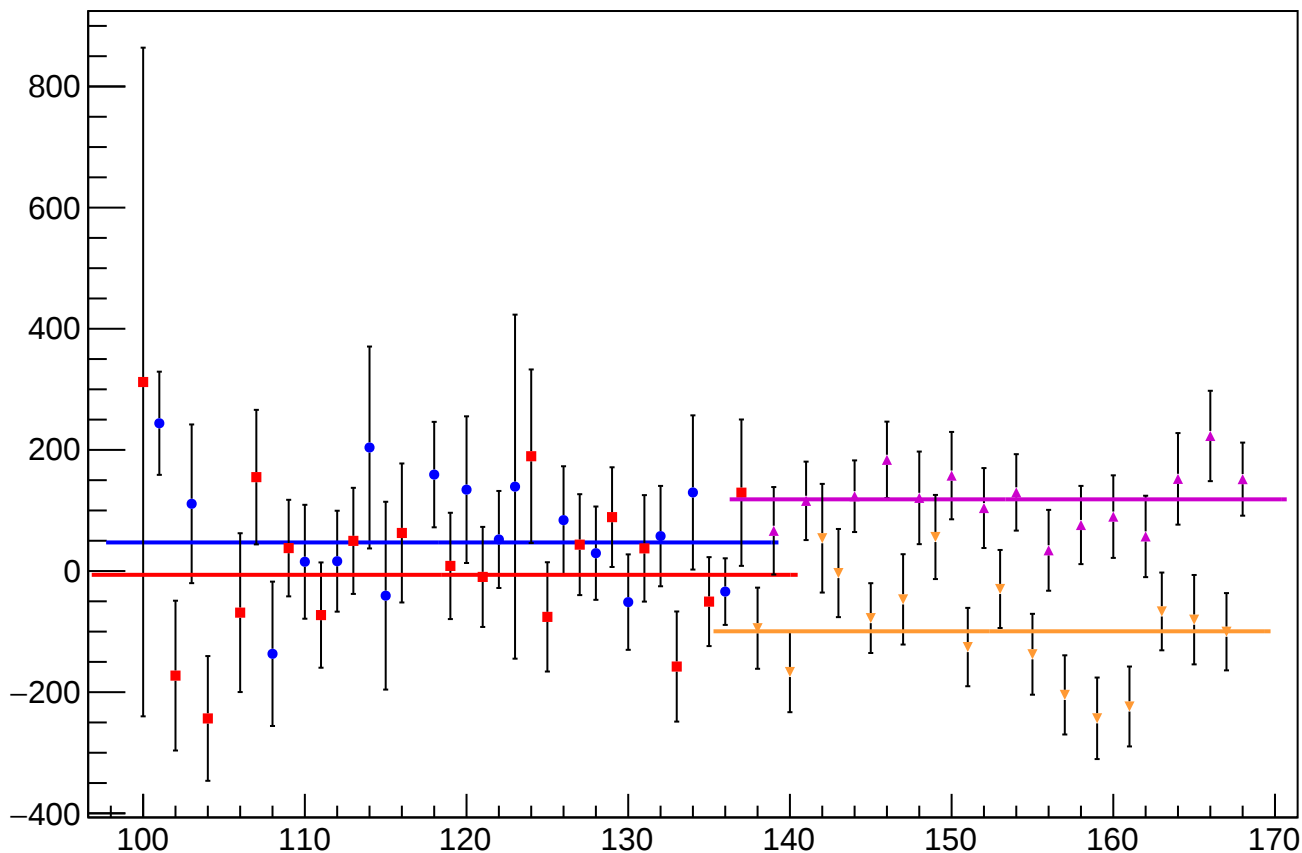
Left In: 968.980+/-0.202 χ^2/NDF : 353387.2/14

+ sign 1028.501+/-0.173 χ^2/NDF : 1471317.8/32

All: 1022.789+/-0.121 χ^2/NDF : 2778845.9/66

- sign 1017.299+/-0.169 χ^2/NDF : 1305382.2/33

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 ± 22.565 $\chi^2/\text{NDF}: 16.1/16$

Left Out: -99.483 ± 16.874 $\chi^2/\text{NDF}: 24.0/15$

Right Out: -6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

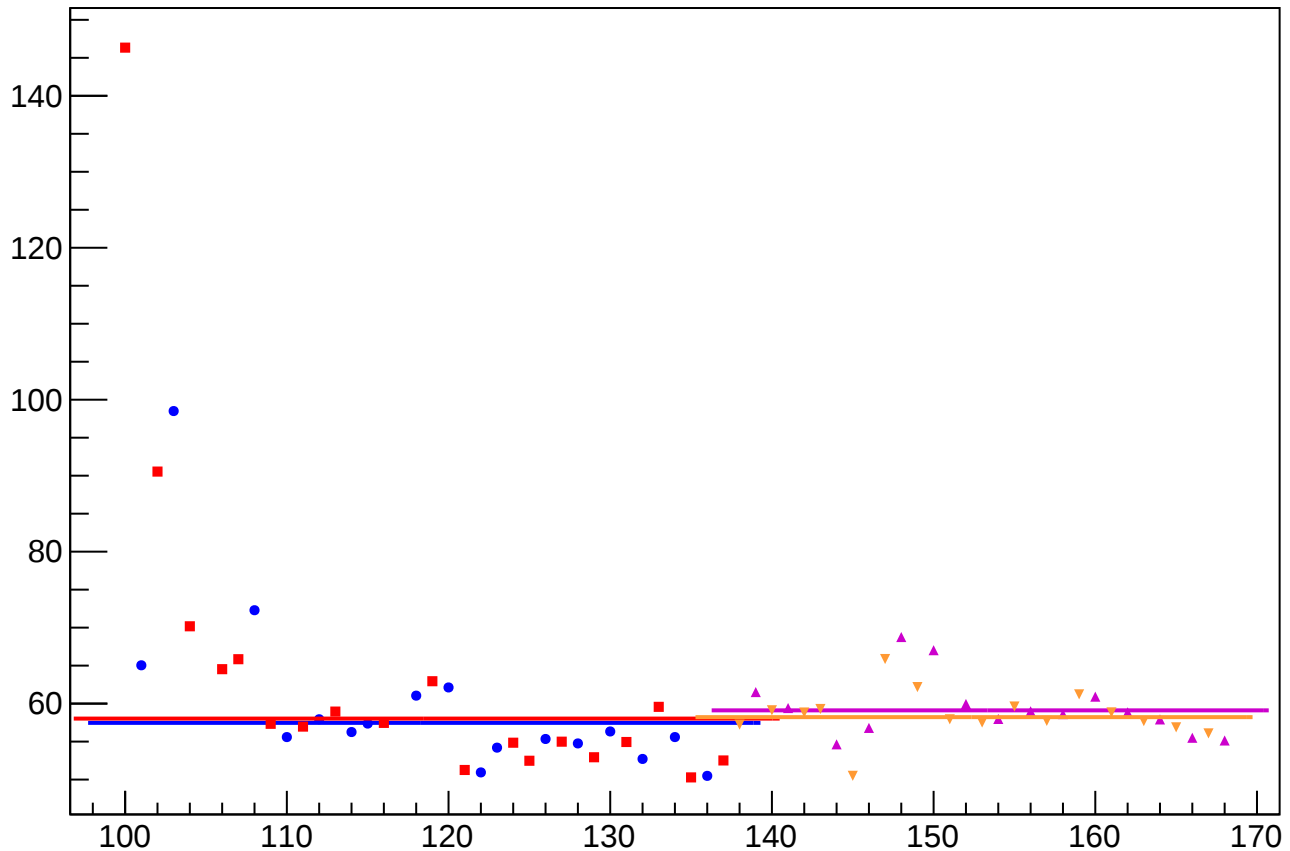
Left In: 118.375 ± 17.298 $\chi^2/\text{NDF}: 7.5/14$

+ sign -46.867 ± 13.514 $\chi^2/\text{NDF}: 67.3/32$

All: 11.623 ± 9.596 $\chi^2/\text{NDF}: 152.5/66$

- sign 71.106 ± 13.628 $\chi^2/\text{NDF}: 47.4/33$

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 $\pm$ 0.016 χ^2/NDF : 307156.4/16

Left Out: 58.217 $\pm$ 0.012 χ^2/NDF : 73240.9/15

Right Out: 58.027 $\pm$ 0.016 χ^2/NDF : 300788.2/18

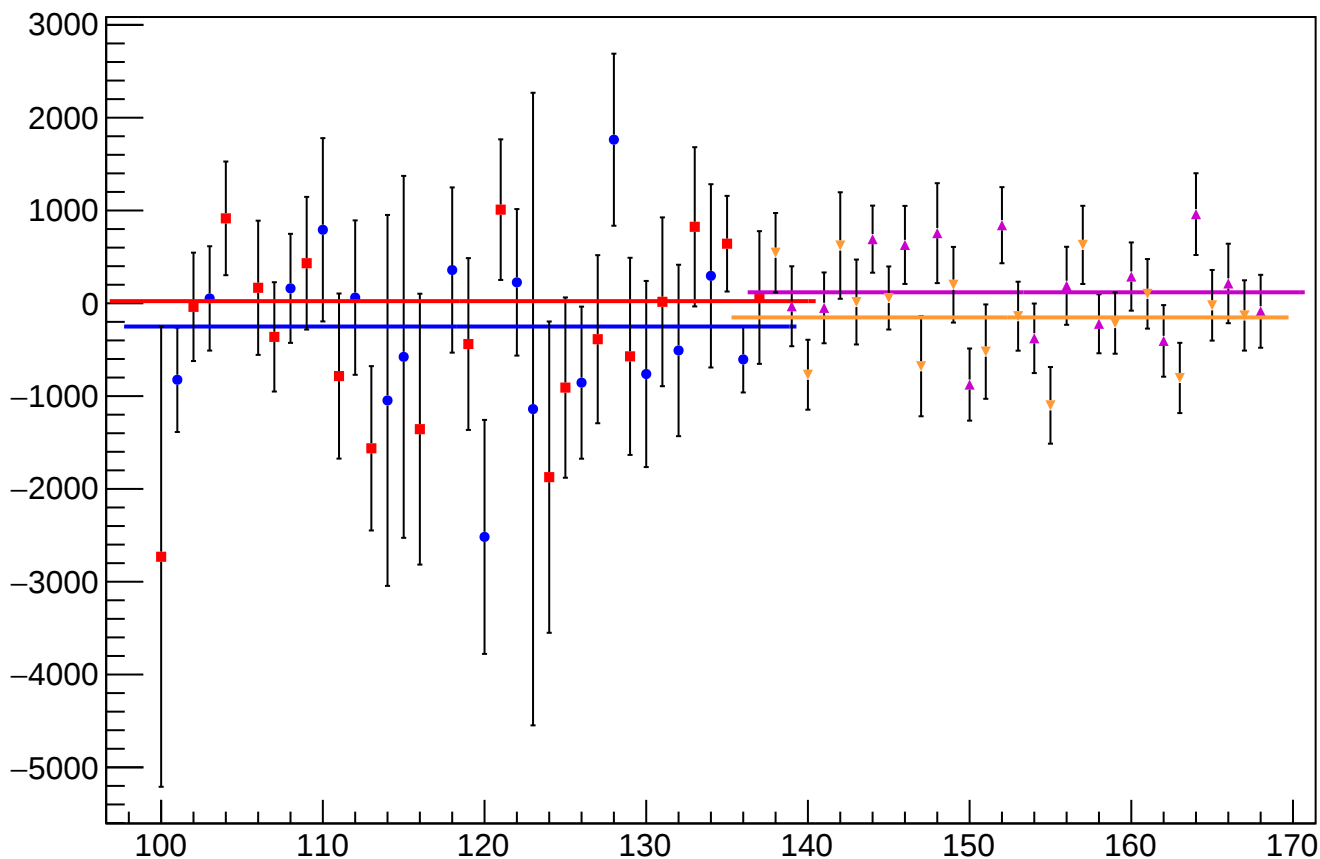
Left In: 59.110 $\pm$ 0.012 χ^2/NDF : 88701.9/14

+ sign 57.948 $\pm$ 0.010 χ^2/NDF : 381822.1/32

All: 58.320 $\pm$ 0.007 χ^2/NDF : 777356.6/66

- sign 58.700 $\pm$ 0.010 χ^2/NDF : 392465.6/33

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 $\pm$ 184.092 χ^2 /NDF: 14.3/16

Left Out: -152.199 $\pm$ 100.918 χ^2 /NDF:22.2/15

Right Out: 23.314 $\pm$ 181.834 χ^2 /NDF: 16.1/18

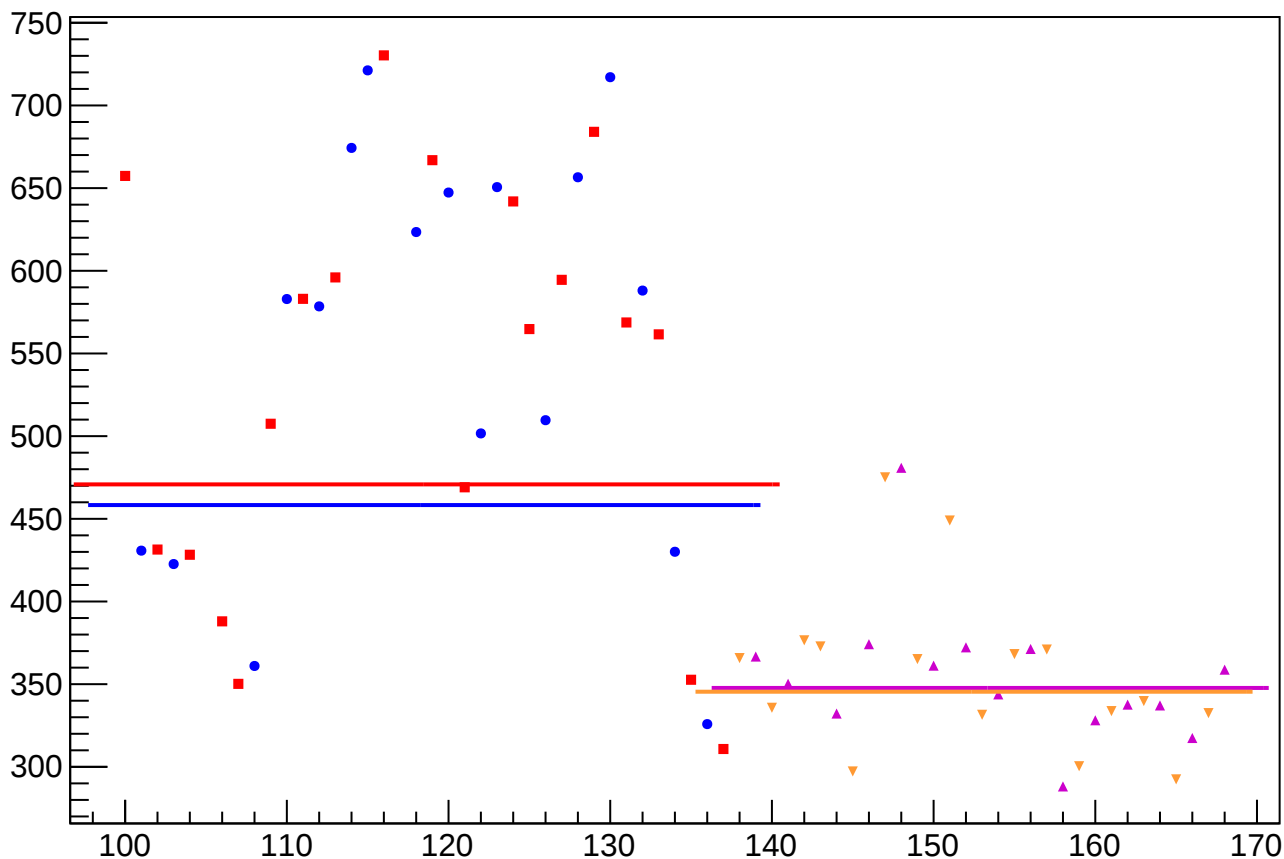
Left In: 118.563 $\pm$ 102.335 χ^2 /NDF:24.3/14

+ sign -174.831 $\pm$ 88.493 χ^2 /NDF: 36.7/32

All: -40.638 $\pm$ 62.816 χ^2 /NDF: 81.9/66

- sign 95.651 $\pm$ 89.181 χ^2 /NDF: 40.6/33

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 345.440+/-0.071 χ^2/NDF : 359491.3/15

Right Out: 470.827+/-0.129 χ^2/NDF : 778635.2/18

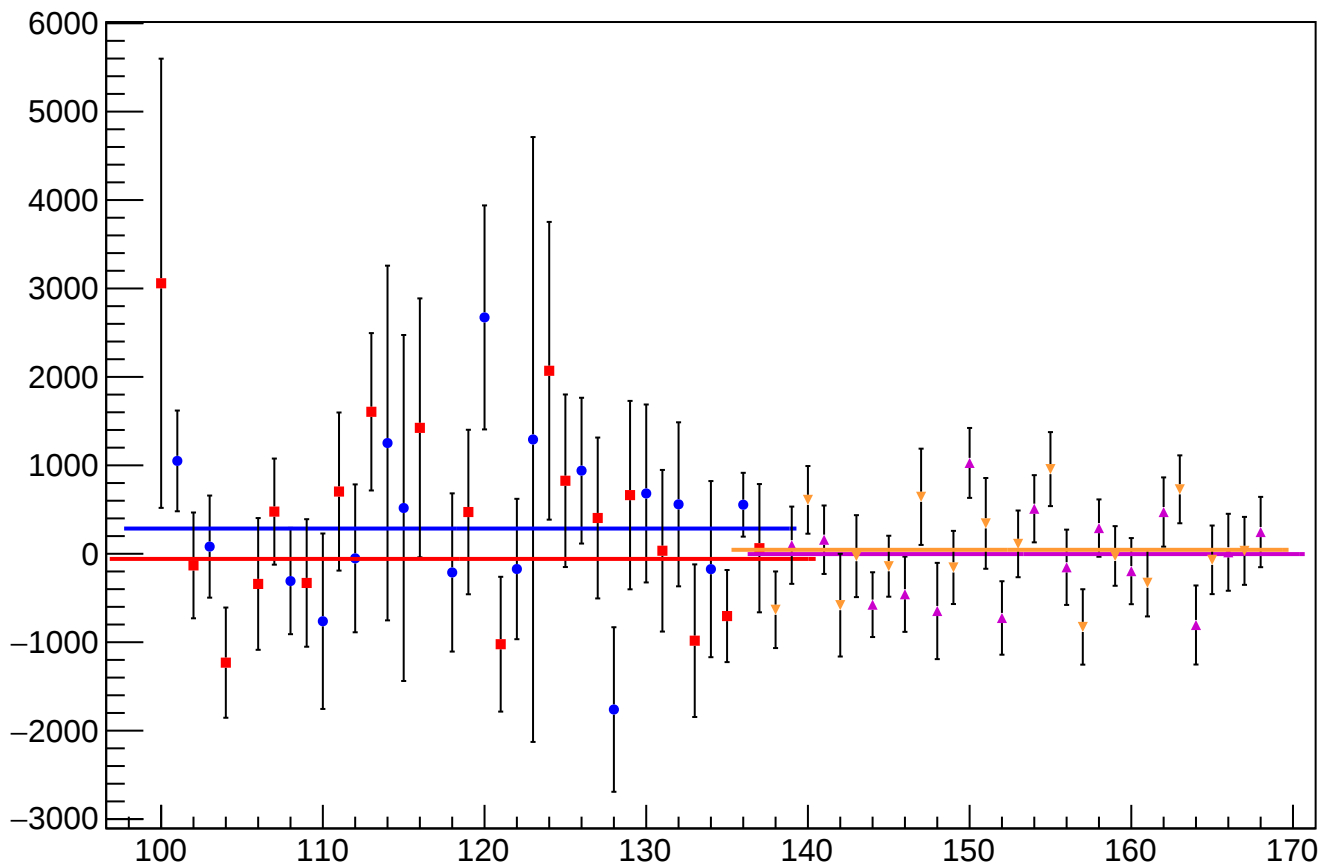
Left In: 347.723+/-0.072 χ^2/NDF : 244055.8/14

+ sign 371.524+/-0.063 χ^2/NDF : 1814938.9/32

All: 374.407+/-0.044 χ^2/NDF : 3538100.0/66

- sign 377.335+/-0.063 χ^2/NDF : 1718883.3/33

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 χ^2/NDF : 15.2/16

Left Out: 44.879 ± 102.402 χ^2/NDF : 21.1/15

Right Out: -58.001 ± 184.074 χ^2/NDF : 19.2/18

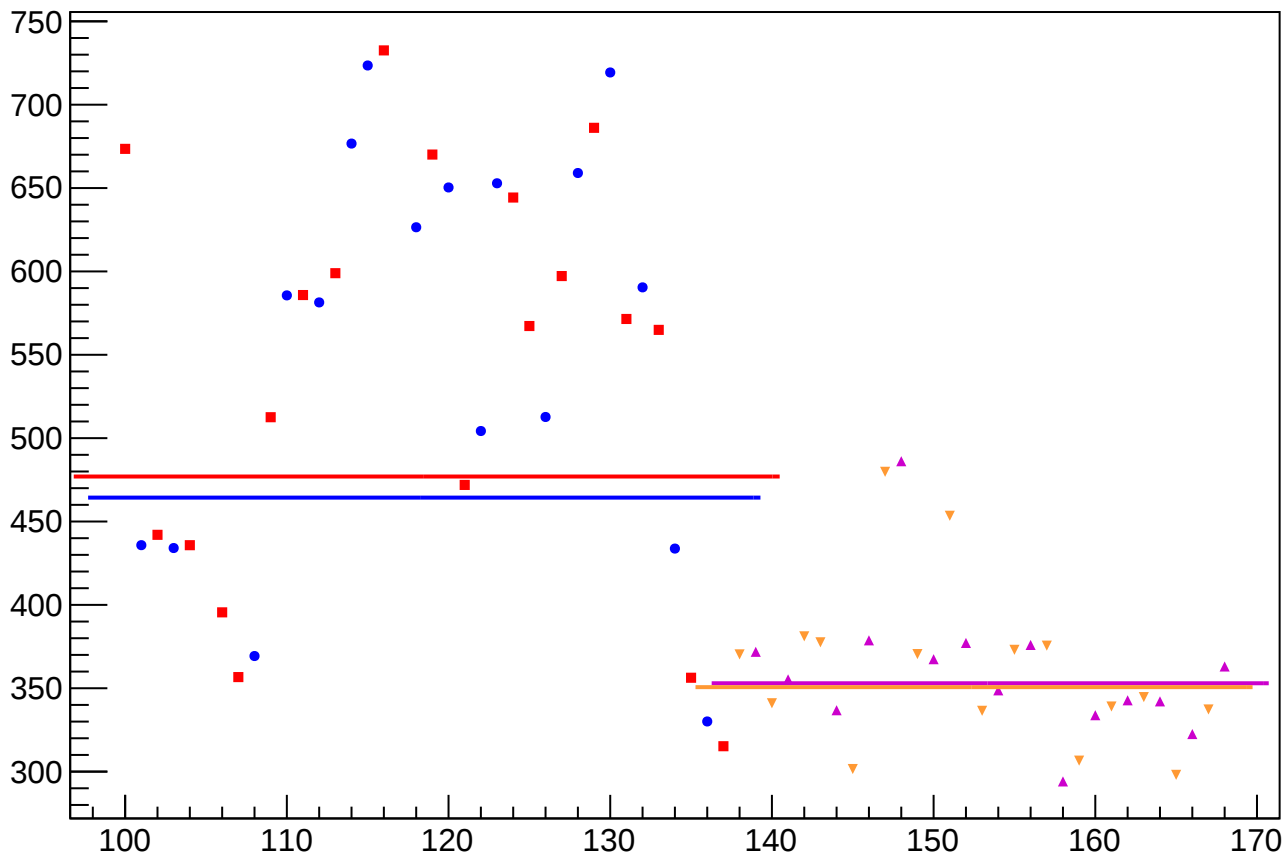
Left In: -3.442 ± 103.854 χ^2/NDF : 23.1/14

+ sign 100.692 ± 89.735 χ^2/NDF : 37.6/32

All: 42.505 ± 63.704 χ^2/NDF : 80.8/66

- sign -16.615 ± 90.451 χ^2/NDF : 42.4/33

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 350.653 $\pm$ 0.072 χ^2 /NDF: 346800.8/15

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

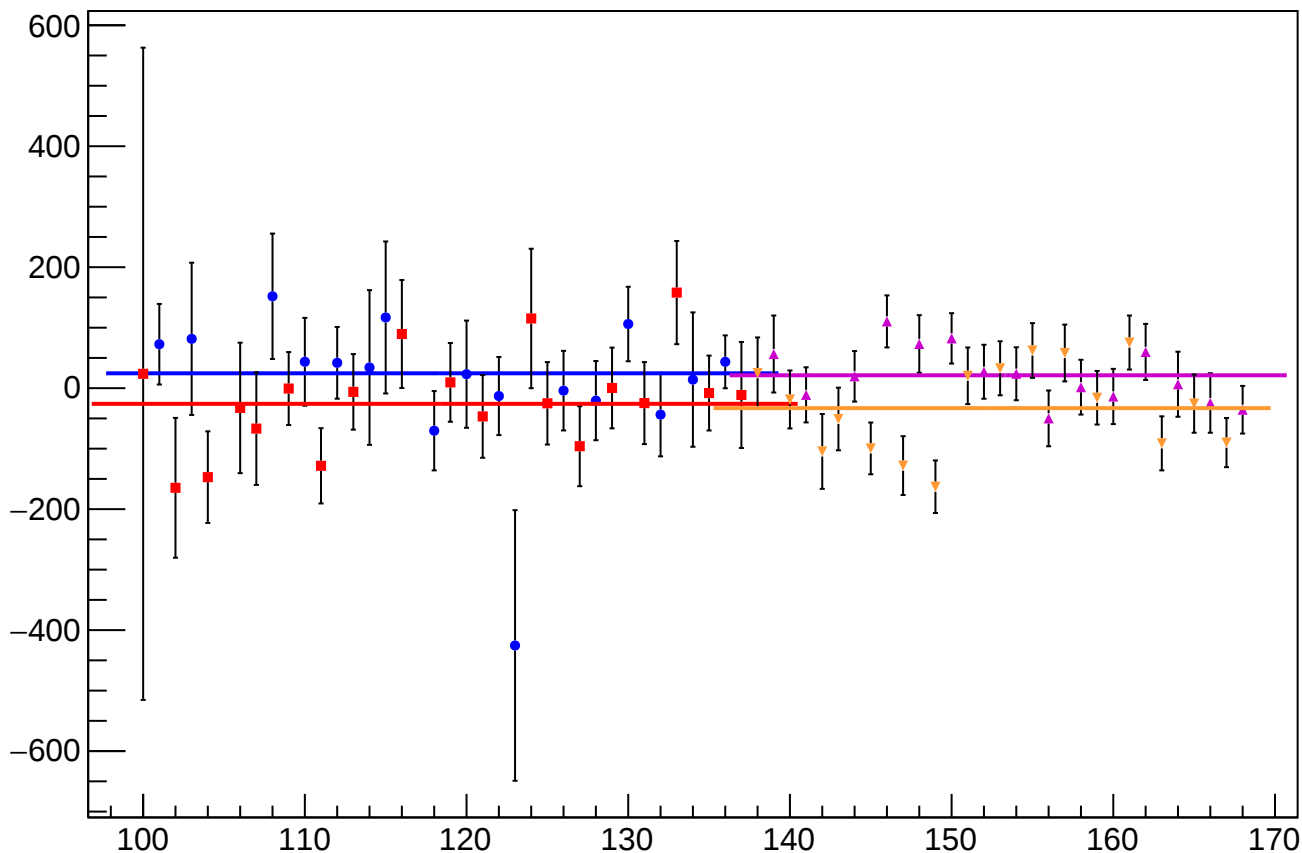
Left In: 352.989 $\pm$ 0.073 χ^2 /NDF: 235195.3/14

+ sign 377.040 $\pm$ 0.063 χ^2 /NDF: 1764853.7/32

All: 379.962 $\pm$ 0.045 χ^2 /NDF: 3442093.6/66

- sign 382.930 $\pm$ 0.064 χ^2 /NDF: 1672966.1/33

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -32.985 ± 11.700 $\chi^2/\text{NDF}: 39.1/15$

Right Out: -25.884 ± 17.386 $\chi^2/\text{NDF}: 16.8/18$

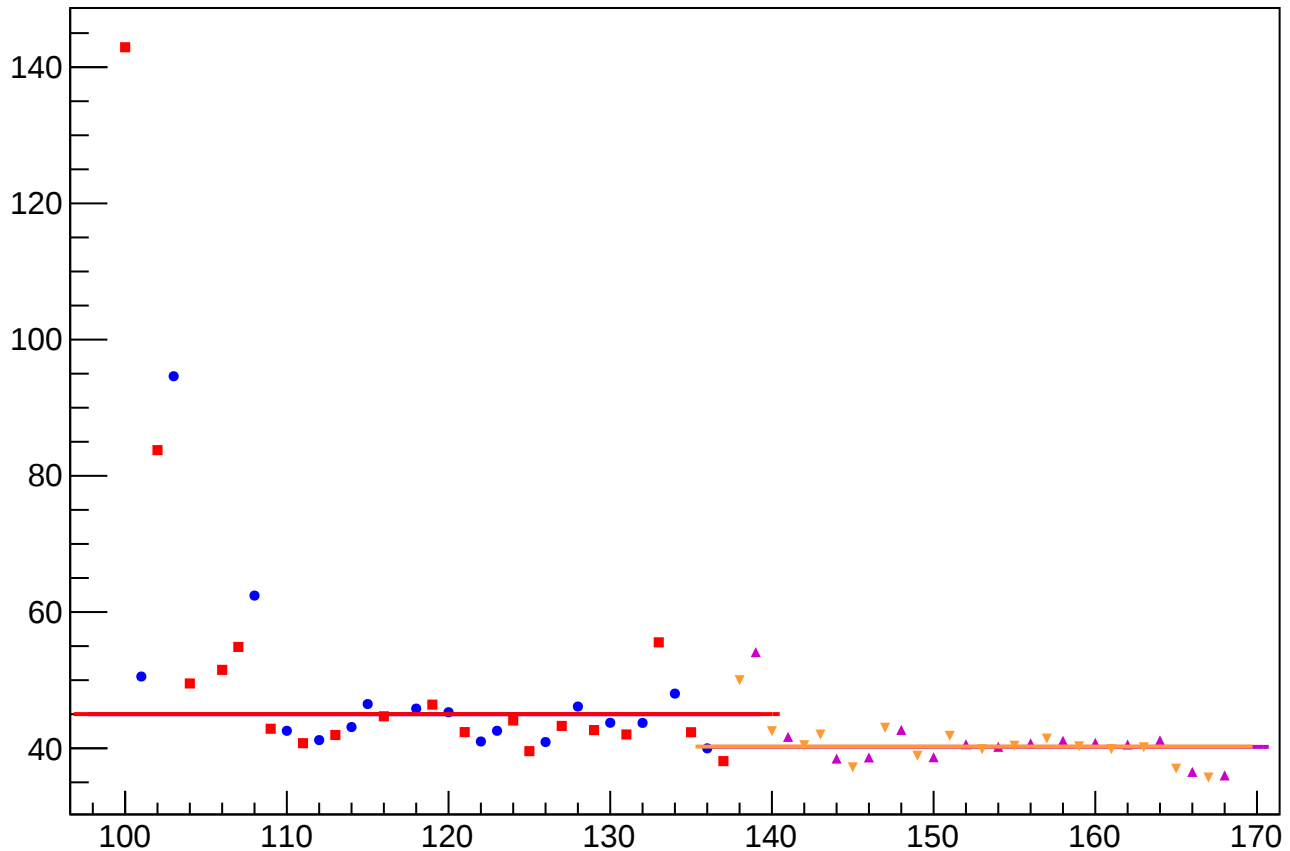
Left In: 21.305 ± 11.791 $\chi^2/\text{NDF}: 15.3/14$

+ sign -15.670 ± 9.783 $\chi^2/\text{NDF}: 59.4/32$

All: -4.588 ± 6.909 $\chi^2/\text{NDF}: 99.2/66$

- sign 6.439 ± 9.759 $\chi^2/\text{NDF}: 37.2/33$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 40.249 $\pm$ 0.008 χ^2 /NDF: 117917.5/15

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

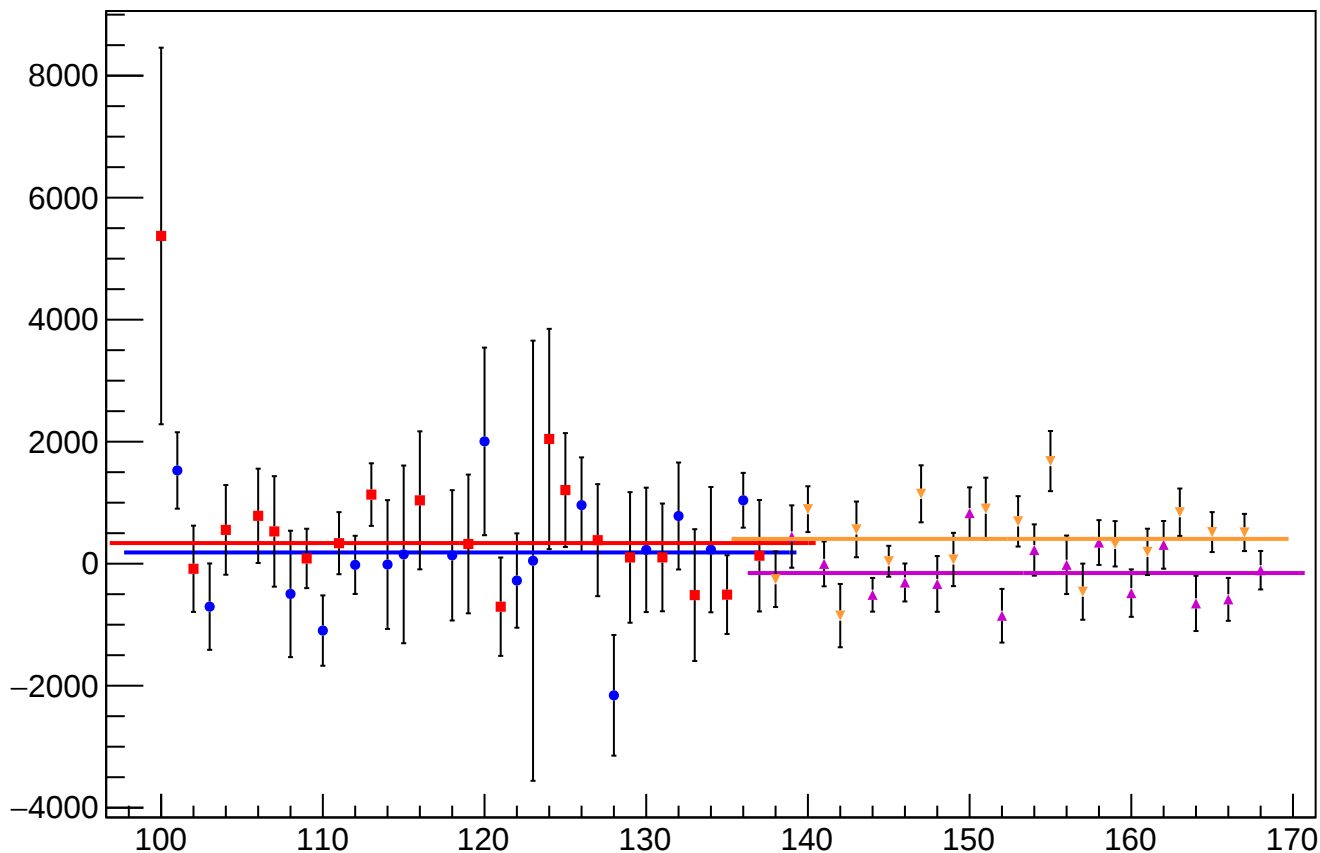
Left In: 40.205 $\pm$ 0.008 χ^2 /NDF: 147910.1/14

+ sign 41.678 $\pm$ 0.007 χ^2 /NDF: 655511.5/32

All: 41.700 $\pm$ 0.005 χ^2 /NDF: 1323902.5/66

- sign 41.721 $\pm$ 0.007 χ^2 /NDF: 668372.0/33

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 406.550 ± 97.463 χ^2/NDF : 28.5/15

Right Out: 338.329 ± 179.381 χ^2/NDF : 12.5/18

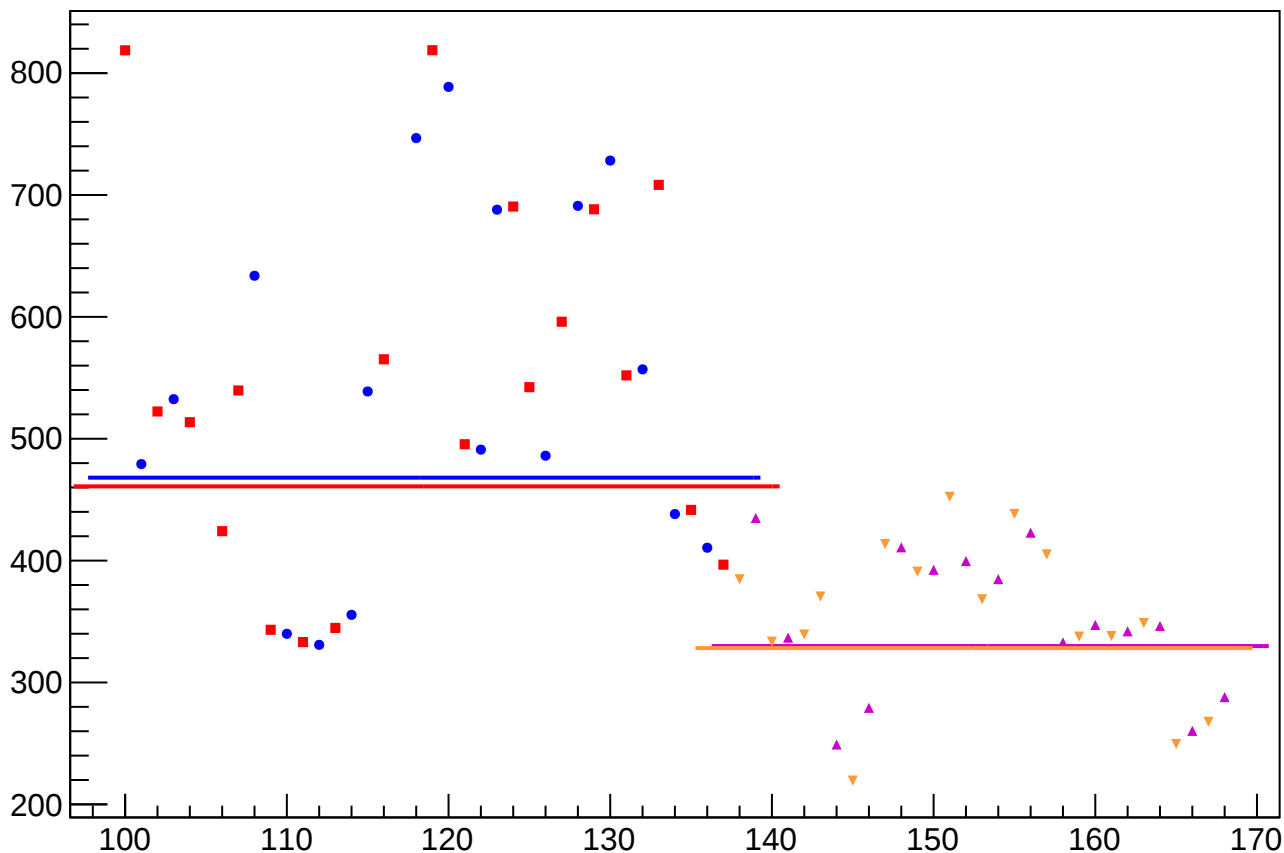
Left In: -153.245 ± 98.180 χ^2/NDF : 19.1/14

+ sign 359.666 ± 86.581 χ^2/NDF : 53.8/32

All: 158.810 ± 61.060 χ^2/NDF : 101.9/66

- sign -39.931 ± 86.124 χ^2/NDF : 37.4/33

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2/NDF : 880319.3/16

Left Out: 328.201 $\pm$ 0.069 χ^2/NDF :1022025.2/15

Right Out: 460.939 $\pm$ 0.127 χ^2/NDF : 955028.5/18

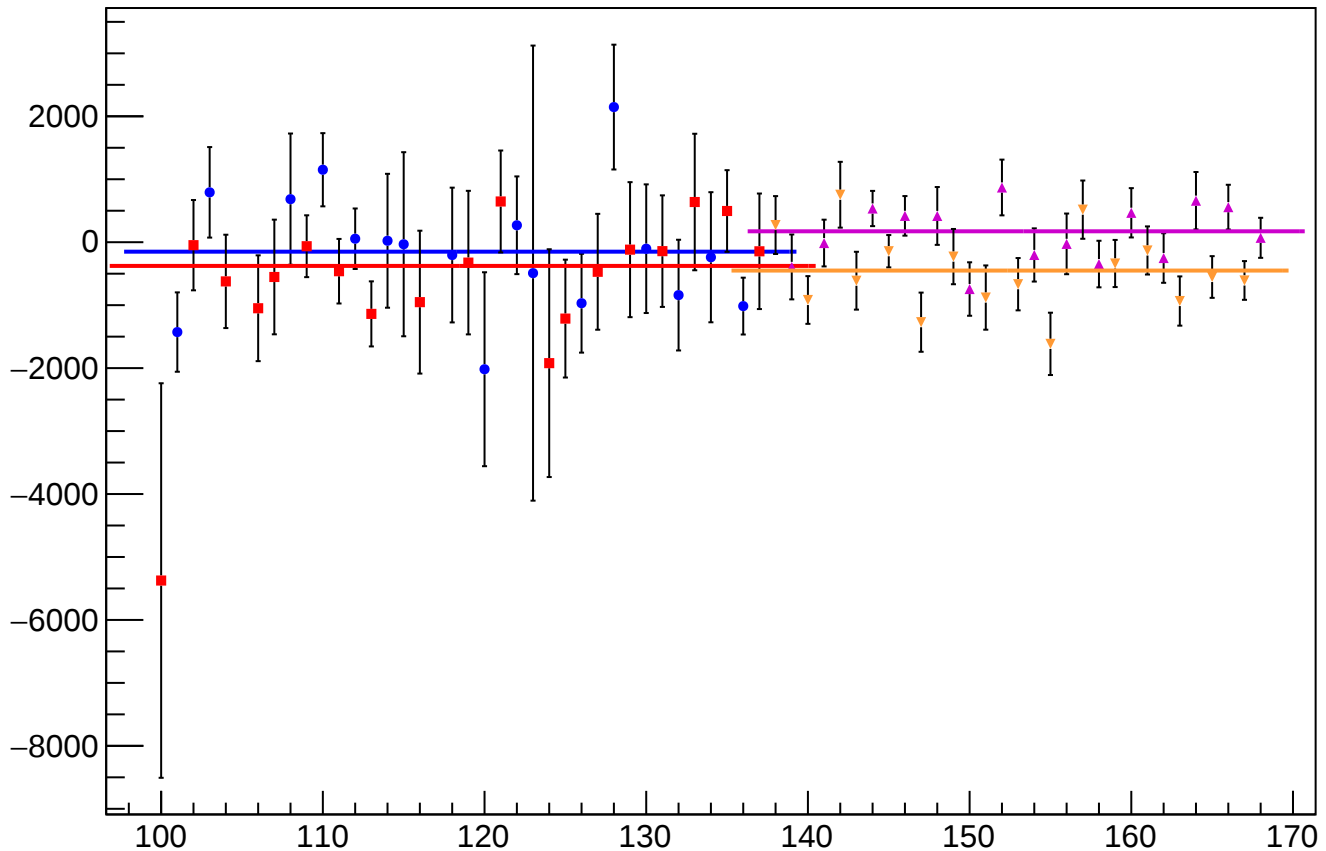
Left In: 329.892 $\pm$ 0.069 χ^2/NDF :697594.7/14

+ sign 357.691 $\pm$ 0.061 χ^2/NDF : 2770816.7/32

All: 358.902 $\pm$ 0.043 χ^2/NDF : 5245573.8/66

- sign 360.100 $\pm$ 0.061 χ^2/NDF : 2473979.0/33

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -450.342 ± 98.266 χ^2/NDF : 27.7/15

Right Out: -376.554 ± 181.258 χ^2/NDF : 12.4/18

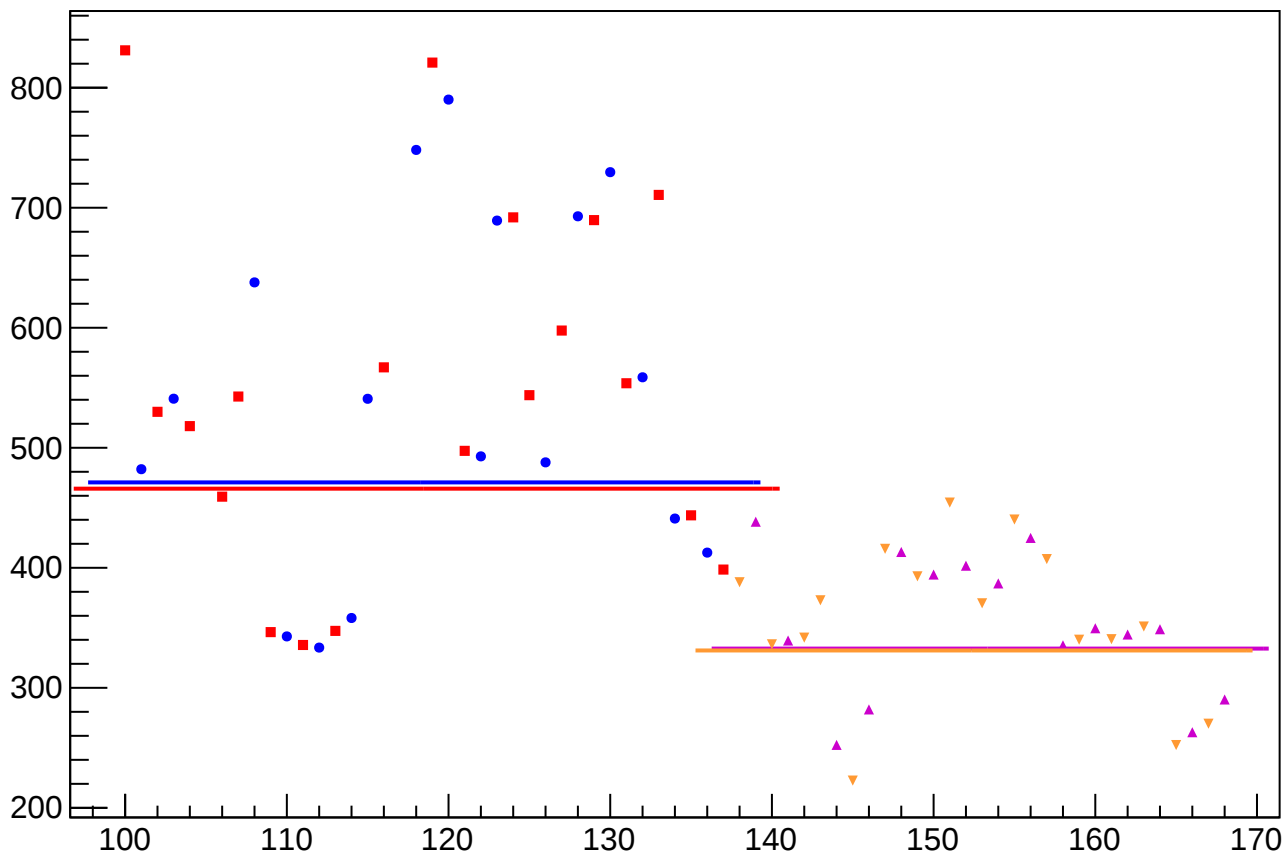
Left In: 173.310 ± 98.965 χ^2/NDF : 18.2/14

+ sign -386.880 ± 87.257 χ^2/NDF : 53.9/32

All: -168.937 ± 61.560 χ^2/NDF : 104.1/66

- sign 47.035 ± 86.862 χ^2/NDF : 37.7/33

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156 $\pm$ 0.134 χ^2 /NDF: 871832.5/16

Left Out: 331.124 $\pm$ 0.069 χ^2 /NDF: 994399.4/15

Right Out: 465.935 $\pm$ 0.128 χ^2 /NDF: 940521.6/18

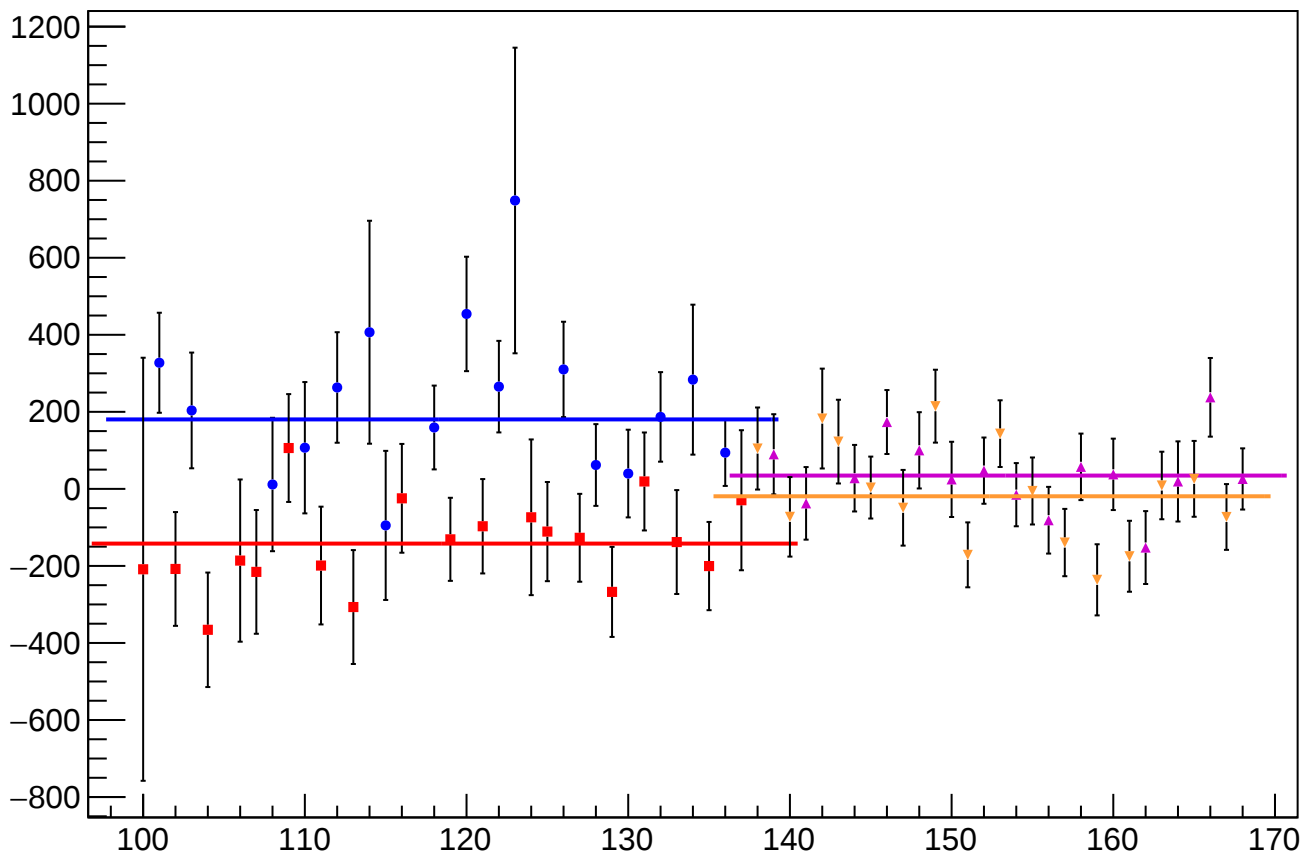
Left In: 332.689 $\pm$ 0.070 χ^2 /NDF: 680270.0/14

+ sign 360.743 $\pm$ 0.062 χ^2 /NDF: 2725266.0/32

All: 362.022 $\pm$ 0.044 χ^2 /NDF: 5179510.2/66

- sign 363.289 $\pm$ 0.061 χ^2 /NDF: 2453388.7/33

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 ± 32.769 $\chi^2/\text{NDF}: 16.6/16$

Left Out: -19.212 ± 23.318 $\chi^2/\text{NDF}: 29.8/15$

Right Out: -142.040 ± 32.338 $\chi^2/\text{NDF}: 11.7/18$

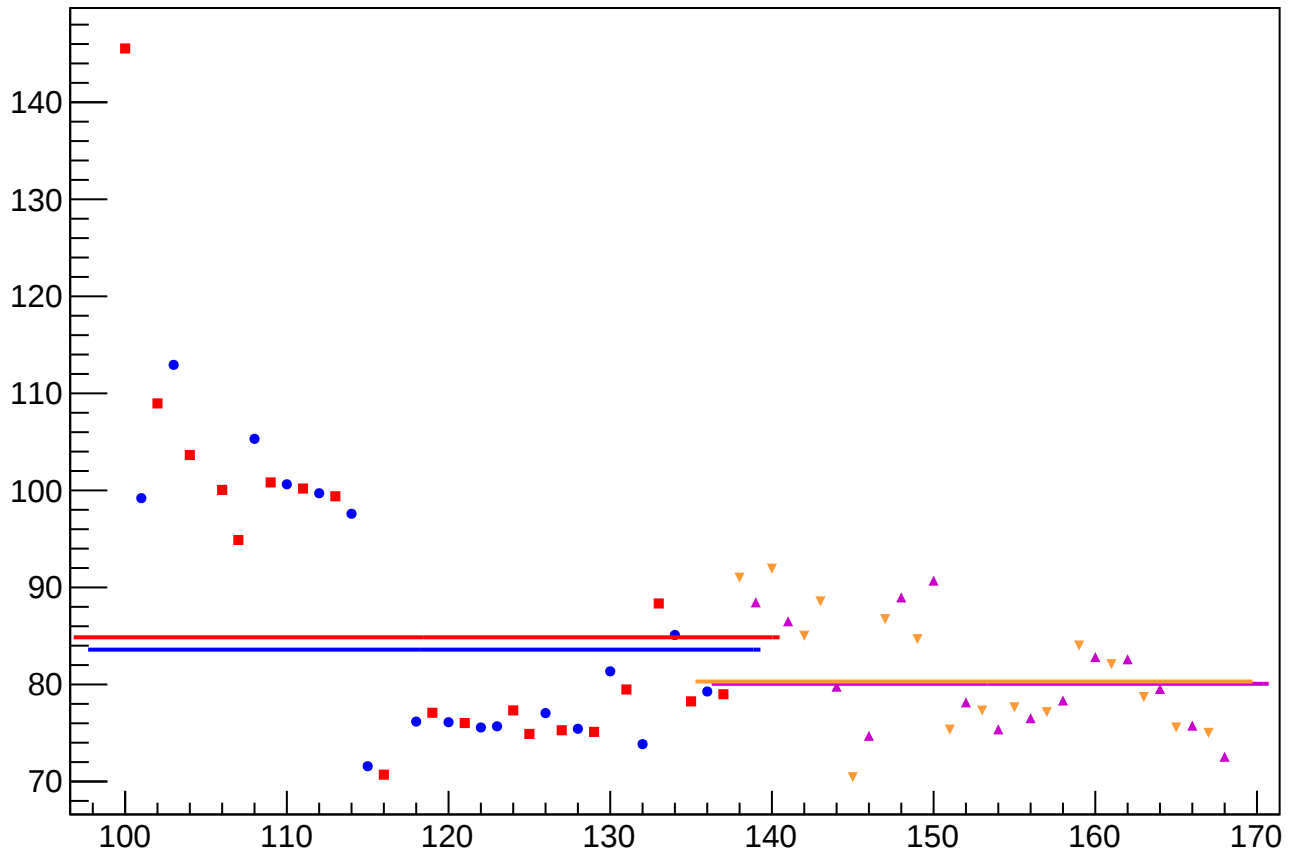
Left In: 34.548 ± 23.458 $\chi^2/\text{NDF}: 14.3/14$

+ sign 47.864 ± 18.999 $\chi^2/\text{NDF}: 71.0/32$

All: 10.742 ± 13.430 $\chi^2/\text{NDF}: 124.1/66$

- sign -26.335 ± 18.988 $\chi^2/\text{NDF}: 45.5/33$

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 80.303 $\pm$ 0.016 χ^2 /NDF:133465.8/15

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

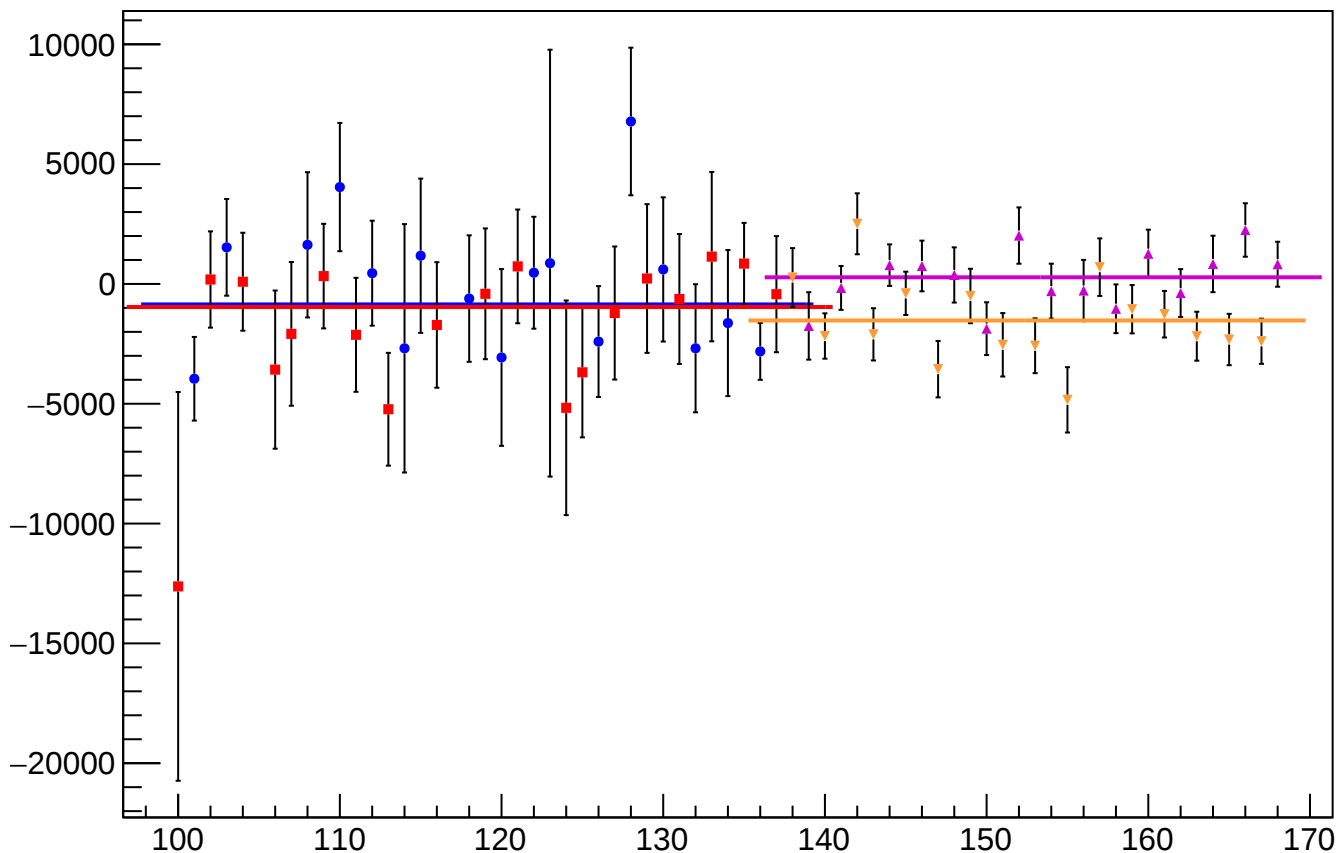
Left In: 80.069 $\pm$ 0.017 χ^2 /NDF:107068.4/14

+ sign 81.408 $\pm$ 0.013 χ^2 /NDF: 402749.5/32

All: 81.565 $\pm$ 0.009 χ^2 /NDF: 829469.1/66

- sign 81.721 $\pm$ 0.013 χ^2 /NDF: 426448.1/33

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -1524.754+/-271.901 χ^2/NDF : 31.2/15

Right Out: -962.932+/-589.071 χ^2/NDF : 11.5/18

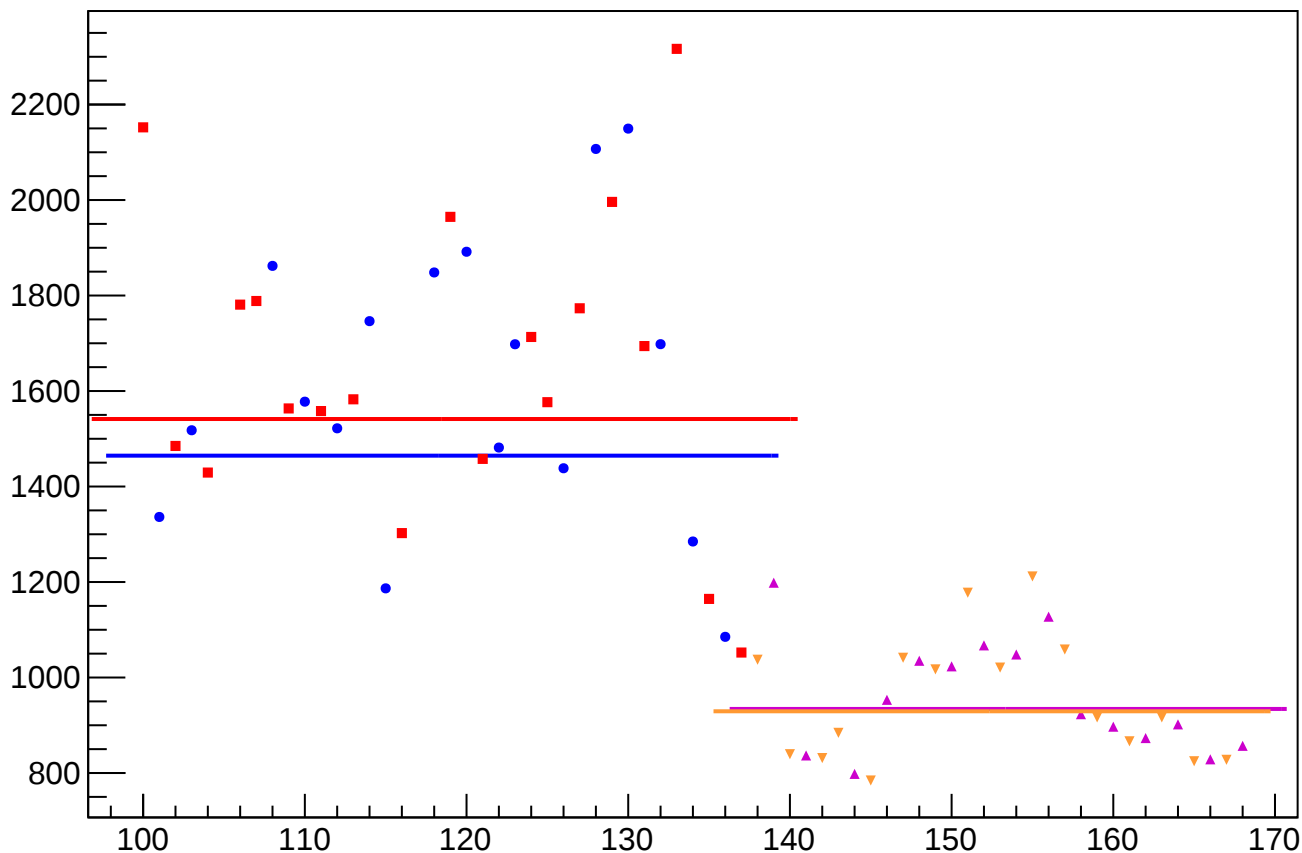
Left In: 276.127+/-275.030 χ^2/NDF : 16.0/14

+ sign -1405.253+/-246.440 χ^2/NDF : 52.5/32

All: -683.587+/-175.229 χ^2/NDF : 101.1/66

- sign 54.371+/-249.207 χ^2/NDF : 31.2/33

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 929.282 $\pm$ 0.192 χ^2 /NDF: 373967.5/15

Right Out: 1541.388 $\pm$ 0.417 χ^2 /NDF: 453710.5/18

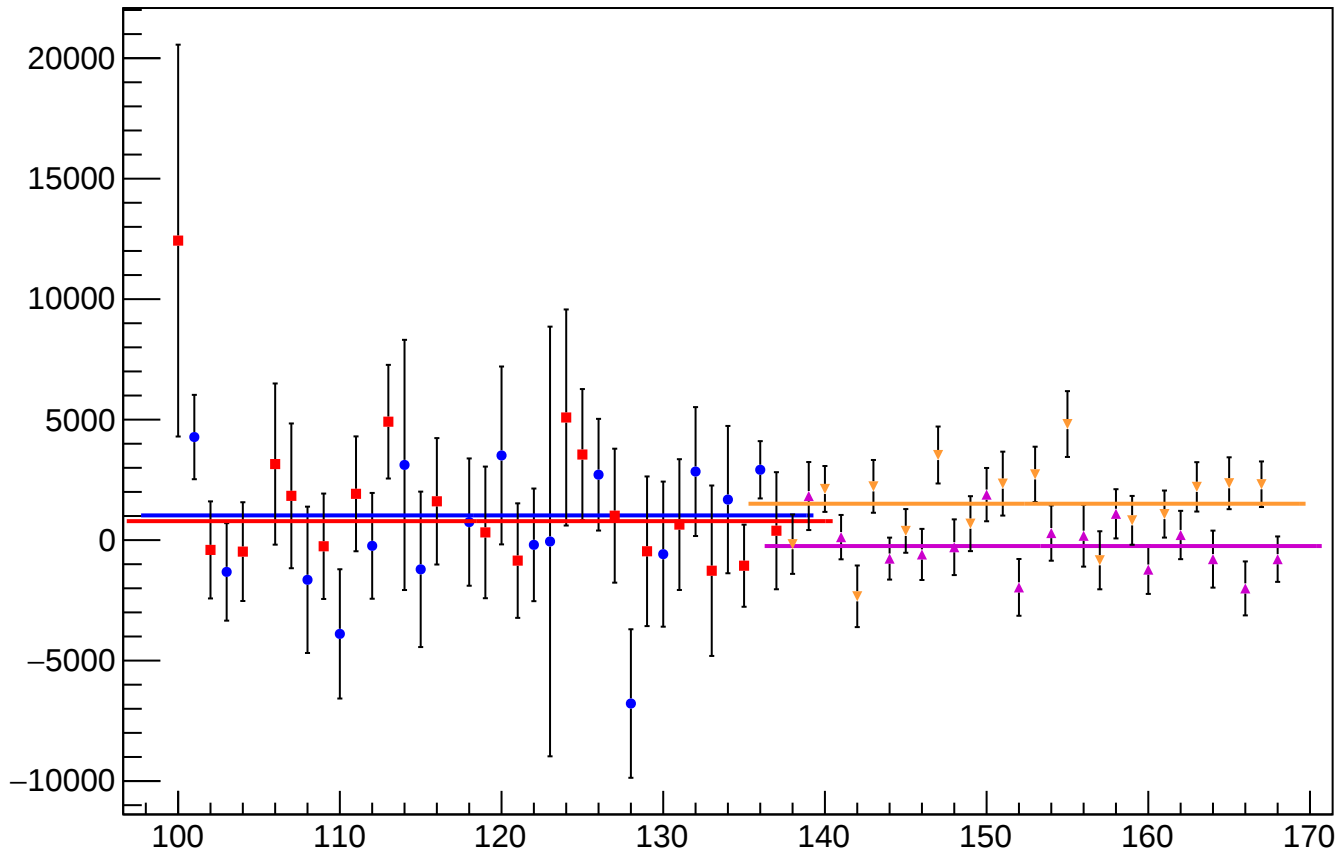
Left In: 934.195 $\pm$ 0.194 χ^2 /NDF: 306103.9/14

+ sign 1024.846 $\pm$ 0.174 χ^2 /NDF: 2318864.7/32

All: 1033.755 $\pm$ 0.124 χ^2 /NDF: 4828611.6/60

- sign 1042.865 $\pm$ 0.176 χ^2 /NDF: 2504460.6/33

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1509.903 $\pm$ 273.006 χ^2 /NDF:30.4/15

Right Out: 787.007 $\pm$ 590.388 χ^2 /NDF: 11.2/18

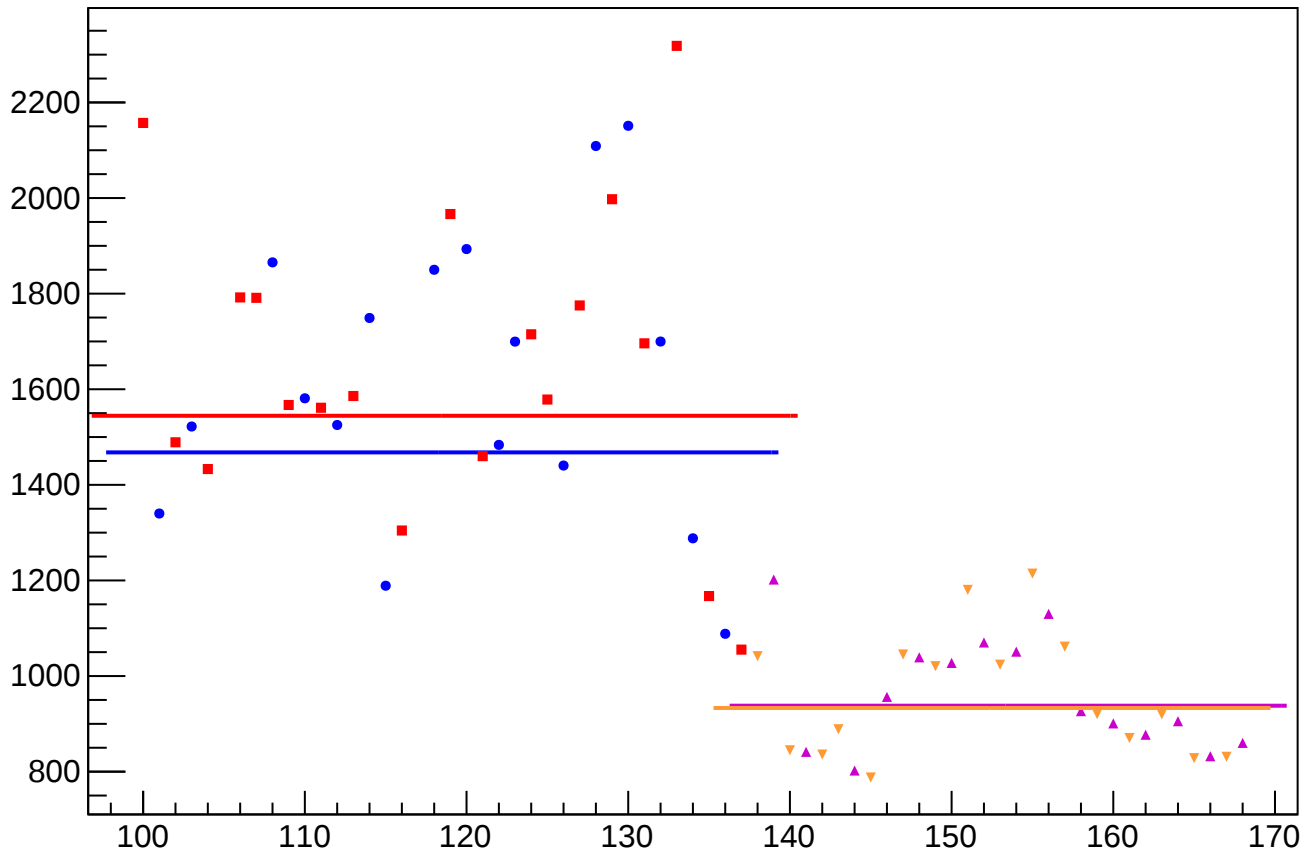
Left In: -246.307 $\pm$ 276.114 χ^2 /NDF:14.8/14

+ sign 1423.156 $\pm$ 247.354 χ^2 /NDF: 51.9/32

All: 689.376 $\pm$ 175.873 χ^2 /NDF: 98.2/66

- sign -60.857 $\pm$ 250.112 χ^2 /NDF: 28.5/33

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905 ± 0.413 $\chi^2/\text{NDF}: 557458.9/16$

Left Out: 933.195 ± 0.193 $\chi^2/\text{NDF}: 369298.9/15$

Right Out: 1544.513 ± 0.417 $\chi^2/\text{NDF}: 451805.9/18$

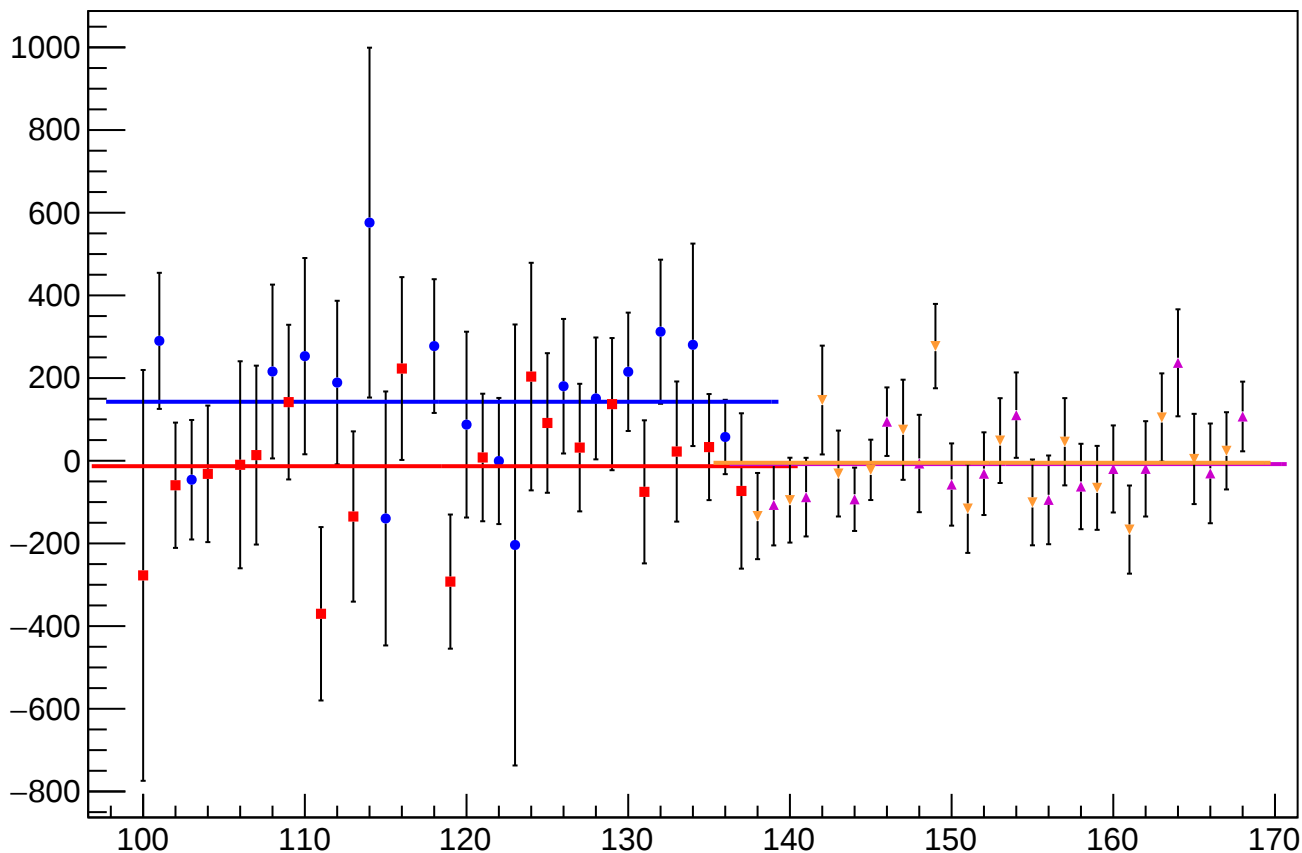
Left In: 937.980 ± 0.195 $\chi^2/\text{NDF}: 302198.2/14$

+ sign 1028.956 ± 0.175 $\chi^2/\text{NDF}: 2300780.9/32$

All: 1037.797 ± 0.124 $\chi^2/\text{NDF}: 4791994.0/60$

- sign 1046.835 ± 0.177 $\chi^2/\text{NDF}: 2486046.4/33$

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -4.899 $\pm$ 25.607 χ^2 /NDF:18.1/15

Right Out: -13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

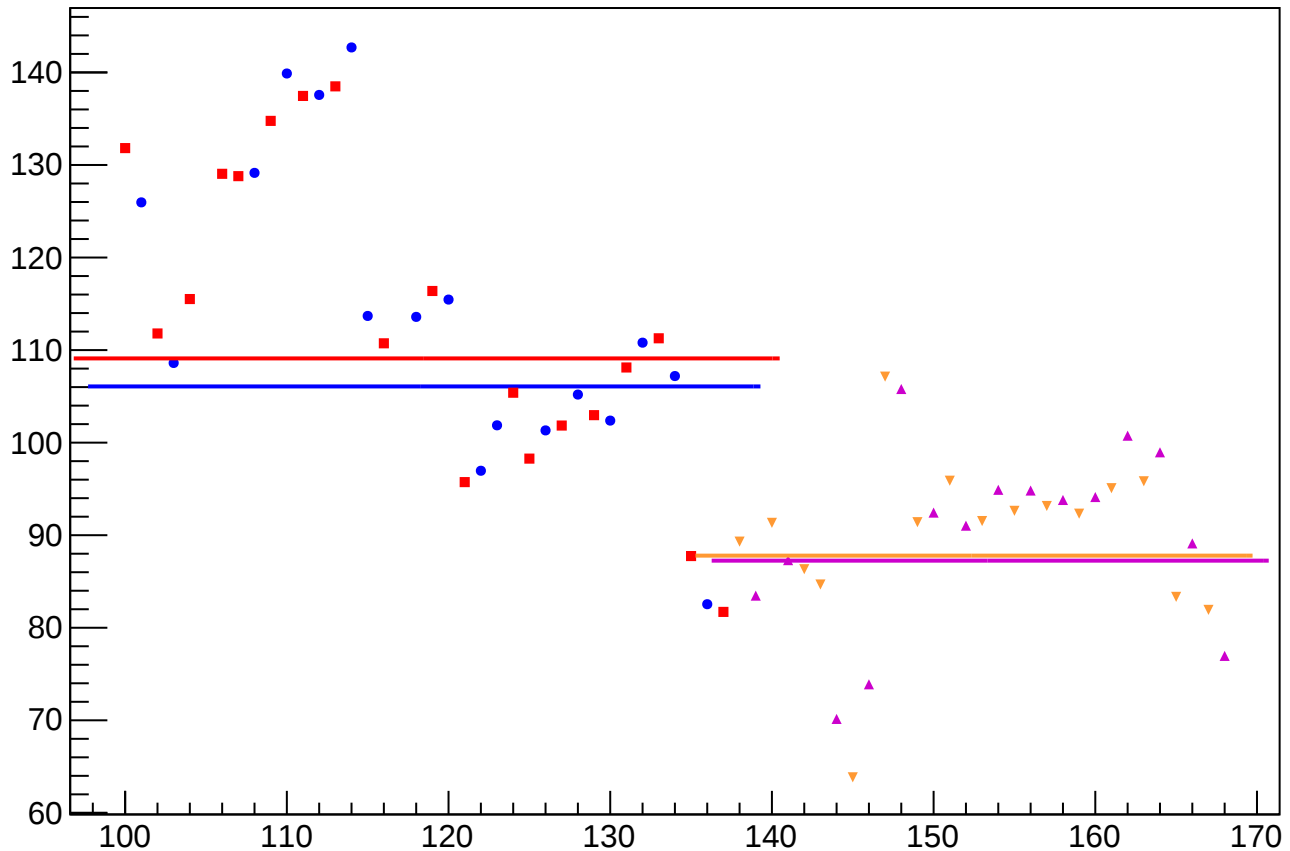
Left In: -8.085 $\pm$ 25.714 χ^2 /NDF:12.5/14

+ sign 35.618 $\pm$ 21.810 χ^2 /NDF: 36.5/32

All: 13.092 $\pm$ 15.434 χ^2 /NDF: 62.0/66

- sign -9.502 $\pm$ 21.843 χ^2 /NDF: 23.4/33

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 87.793 $\pm$ 0.018 χ^2 /NDF:333217.6/15

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

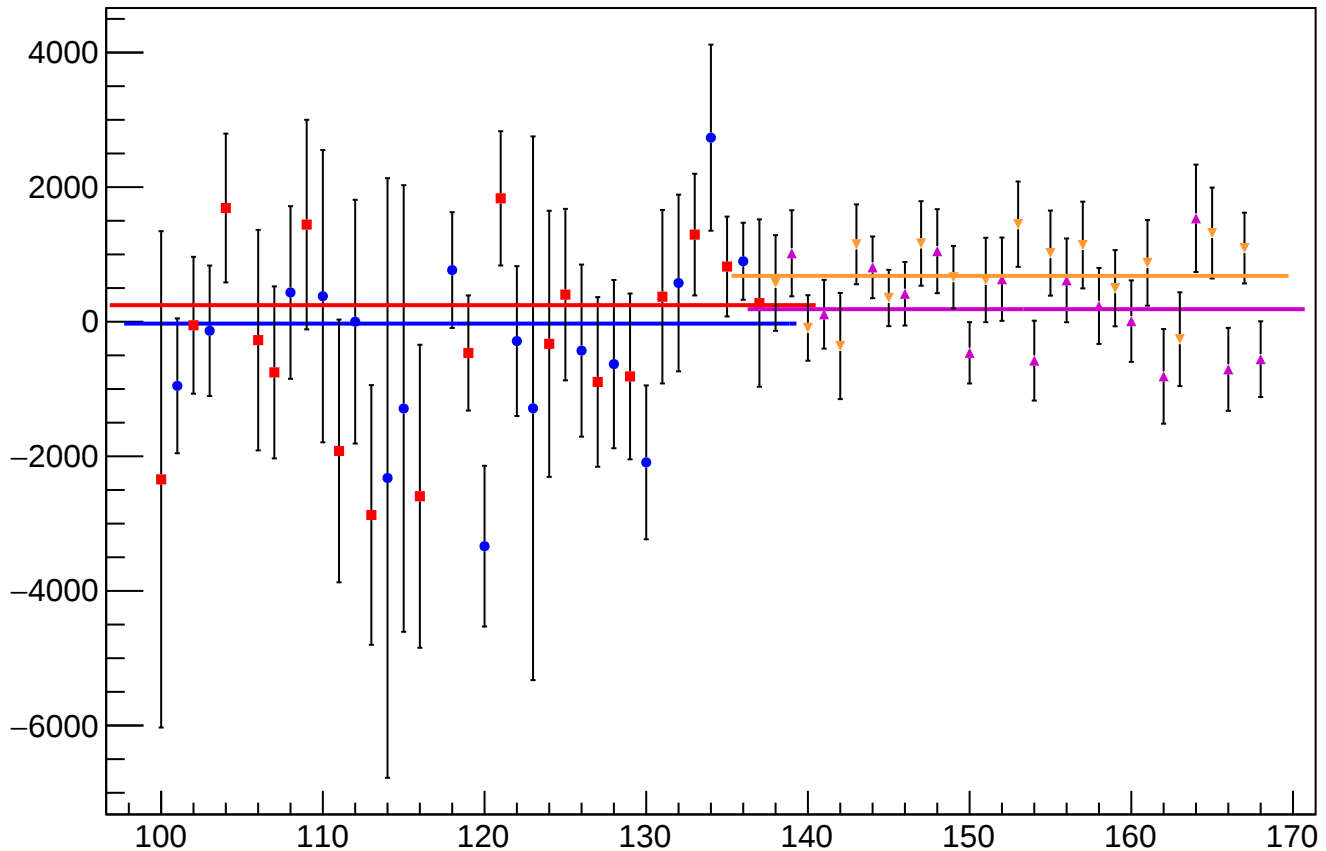
Left In: 87.250 $\pm$ 0.018 χ^2 /NDF:324050.0/14

+ sign 92.812 $\pm$ 0.015 χ^2 /NDF: 930972.8/32

All: 93.072 $\pm$ 0.011 χ^2 /NDF: 1943075.7/66

- sign 93.334 $\pm$ 0.015 χ^2 /NDF: 1011531.1/33

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 681.528 ± 145.978 χ^2/NDF : 11.9/15

Right Out: 246.386 ± 279.451 χ^2/NDF : 15.9/18

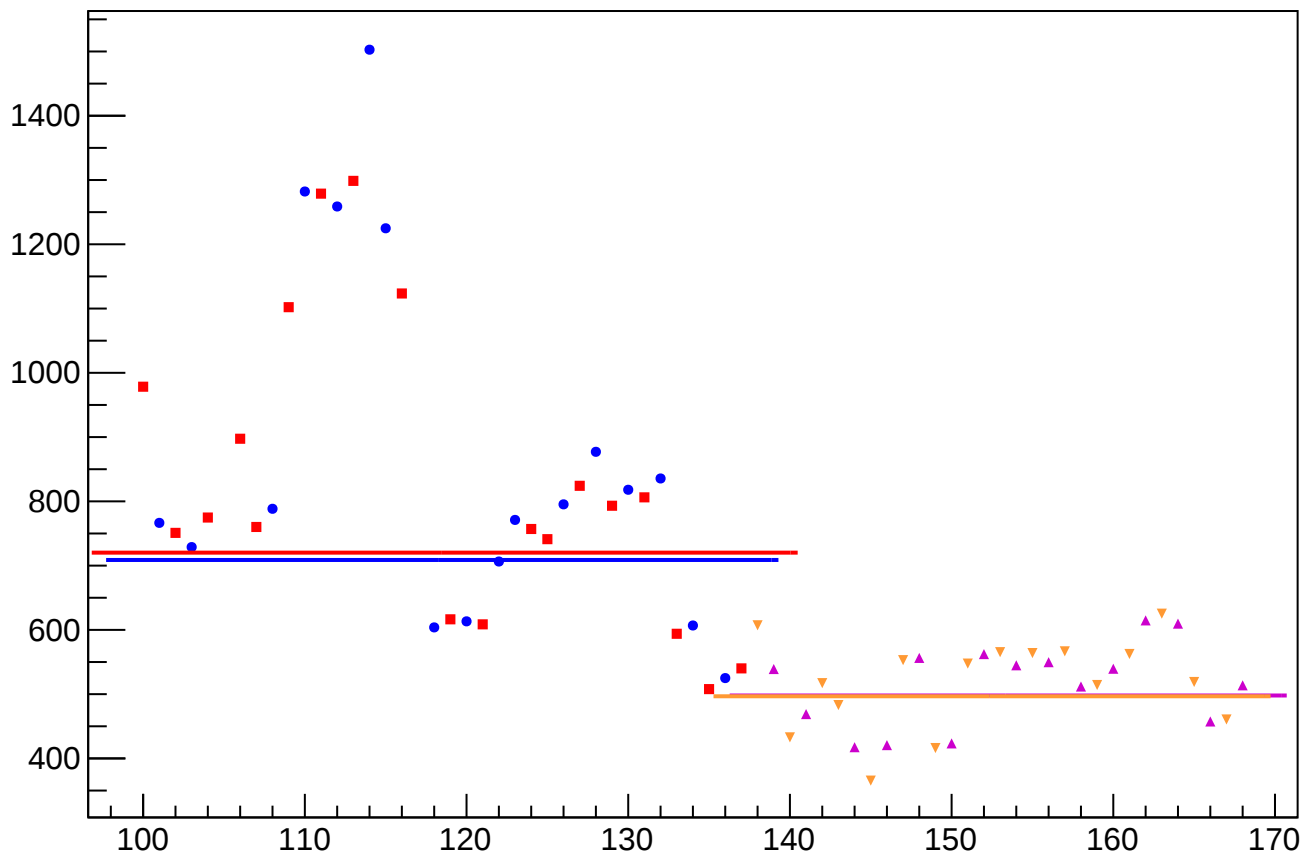
Left In: 186.190 ± 147.142 χ^2/NDF : 19.2/14

+ sign 533.039 ± 129.806 χ^2/NDF : 37.4/32

All: 366.649 ± 91.925 χ^2/NDF : 75.8/66

- sign 199.257 ± 130.197 χ^2/NDF : 35.1/33

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784+/-0.201 χ^2/NDF : 793538.1/16

Left Out: 496.702+/-0.103 χ^2/NDF : 543614.6/15

Right Out: 720.201+/-0.198 χ^2/NDF : 899934.4/18

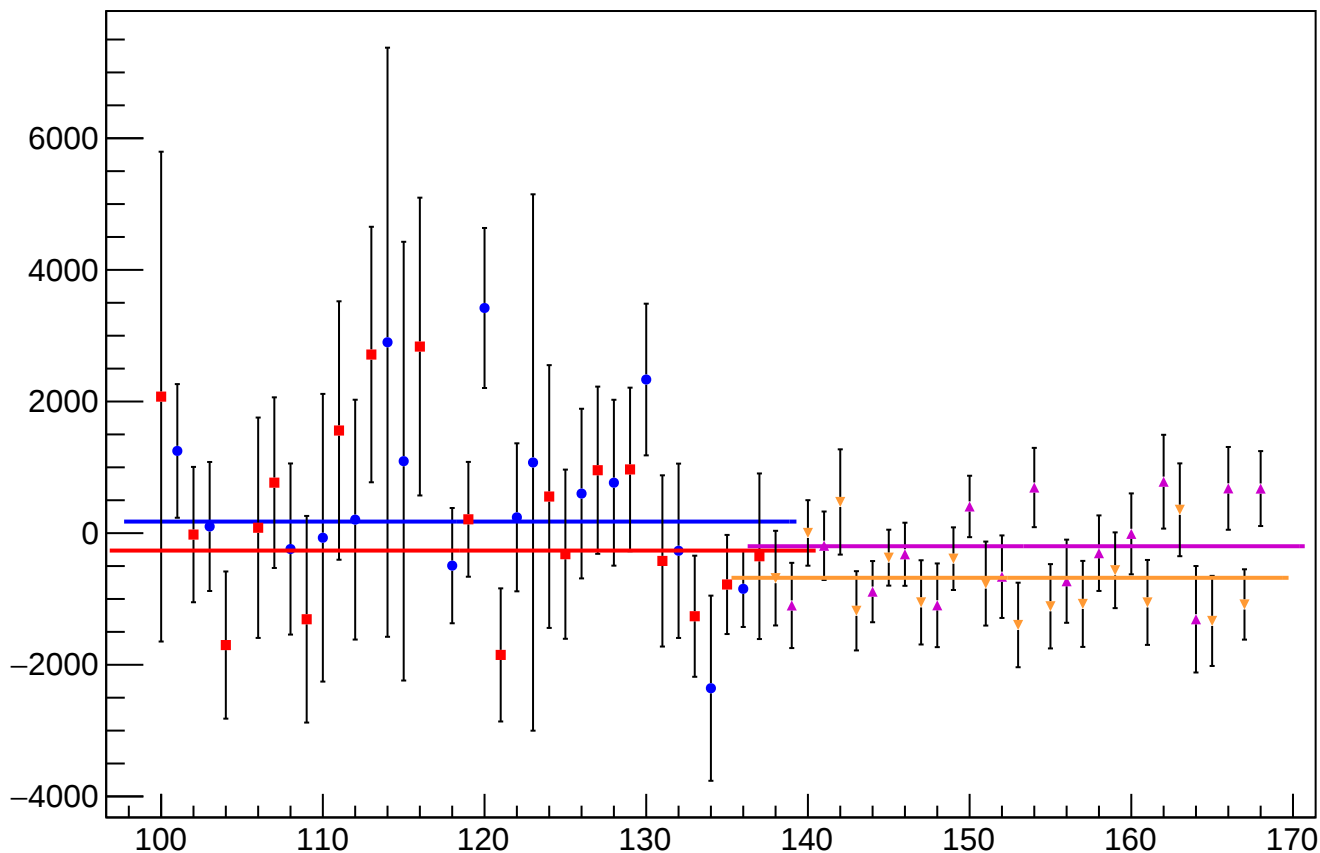
Left In: 497.920+/-0.104 χ^2/NDF : 364444.5/14

+ sign 541.088+/-0.092 χ^2/NDF : 2220663.2/32

All: 543.621+/-0.065 χ^2/NDF : 4477284.4/66

- sign 546.169+/-0.092 χ^2/NDF : 2255093.6/33

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854+/-287.218 χ^2/NDF : 19.7/16

Left Out: -678.442+/-148.383 χ^2/NDF : 12.0/15

Right Out: -264.622+/-283.074 χ^2/NDF : 14.8/18

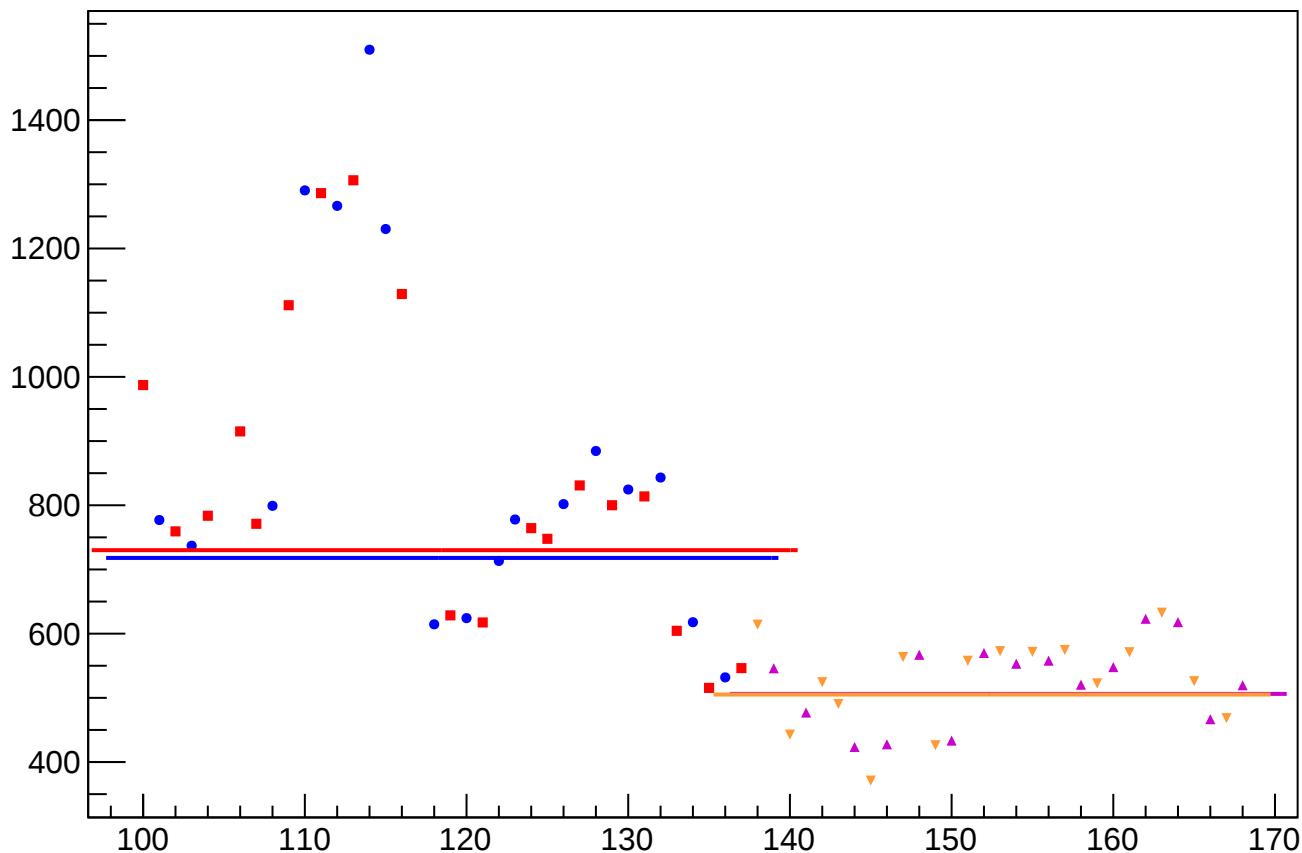
Left In: -198.720+/-149.521 χ^2/NDF : 19.5/14

+ sign -498.467+/-131.830 χ^2/NDF : 38.7/32

All: -356.193+/-93.352 χ^2/NDF : 75.4/66

- sign -213.096+/-132.211 χ^2/NDF : 34.4/33

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 505.152+/-0.105 χ^2/NDF : 529903.0/15

Right Out: 730.040+/-0.200 χ^2/NDF : 881842.0/18

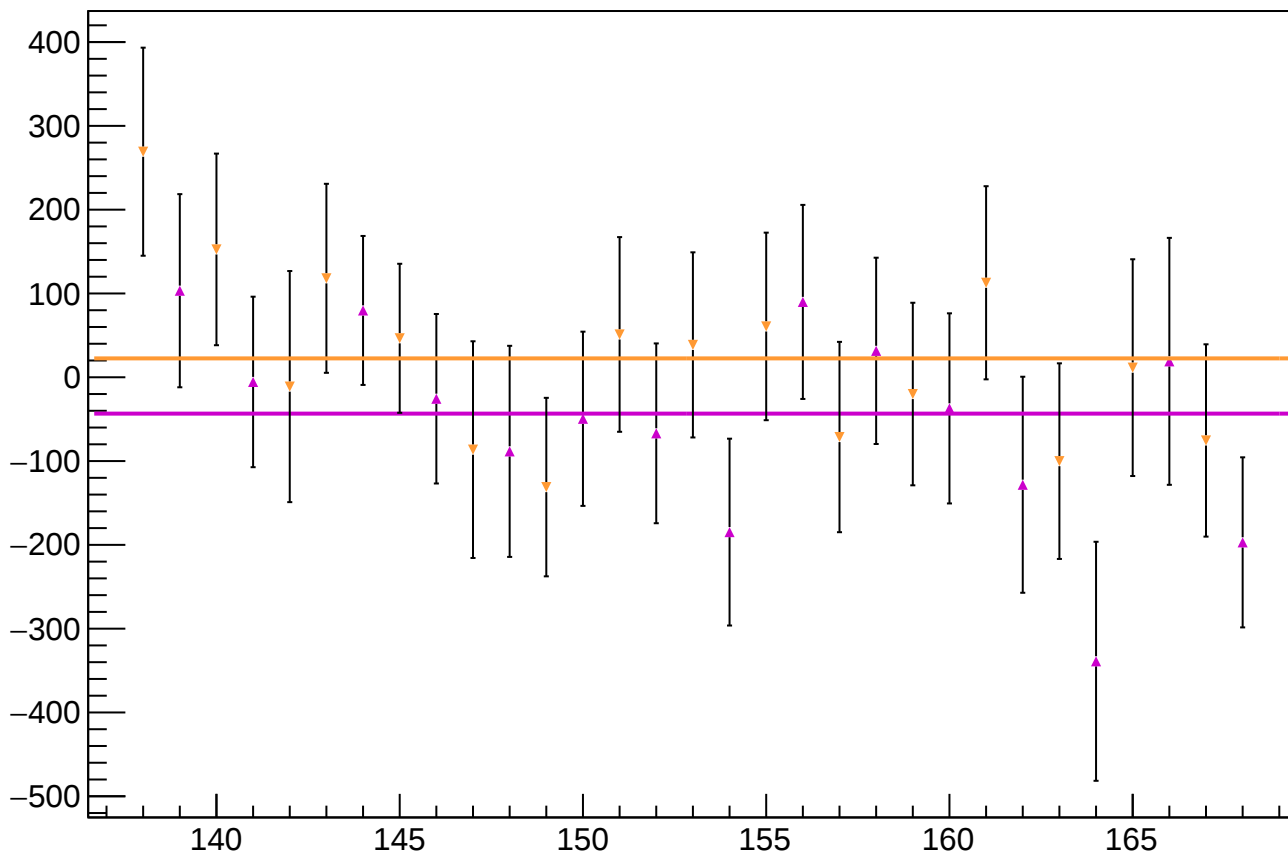
Left In: 506.143+/-0.106 χ^2/NDF : 355591.6/14

+ sign 549.987+/-0.093 χ^2/NDF : 2175235.6/32

All: 552.478+/-0.066 χ^2/NDF : 4392364.2/66

- sign 554.984+/-0.093 χ^2/NDF : 2215695.9/33

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 22.524 $\pm$ 28.523 χ^2 /NDF:12.4/15

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

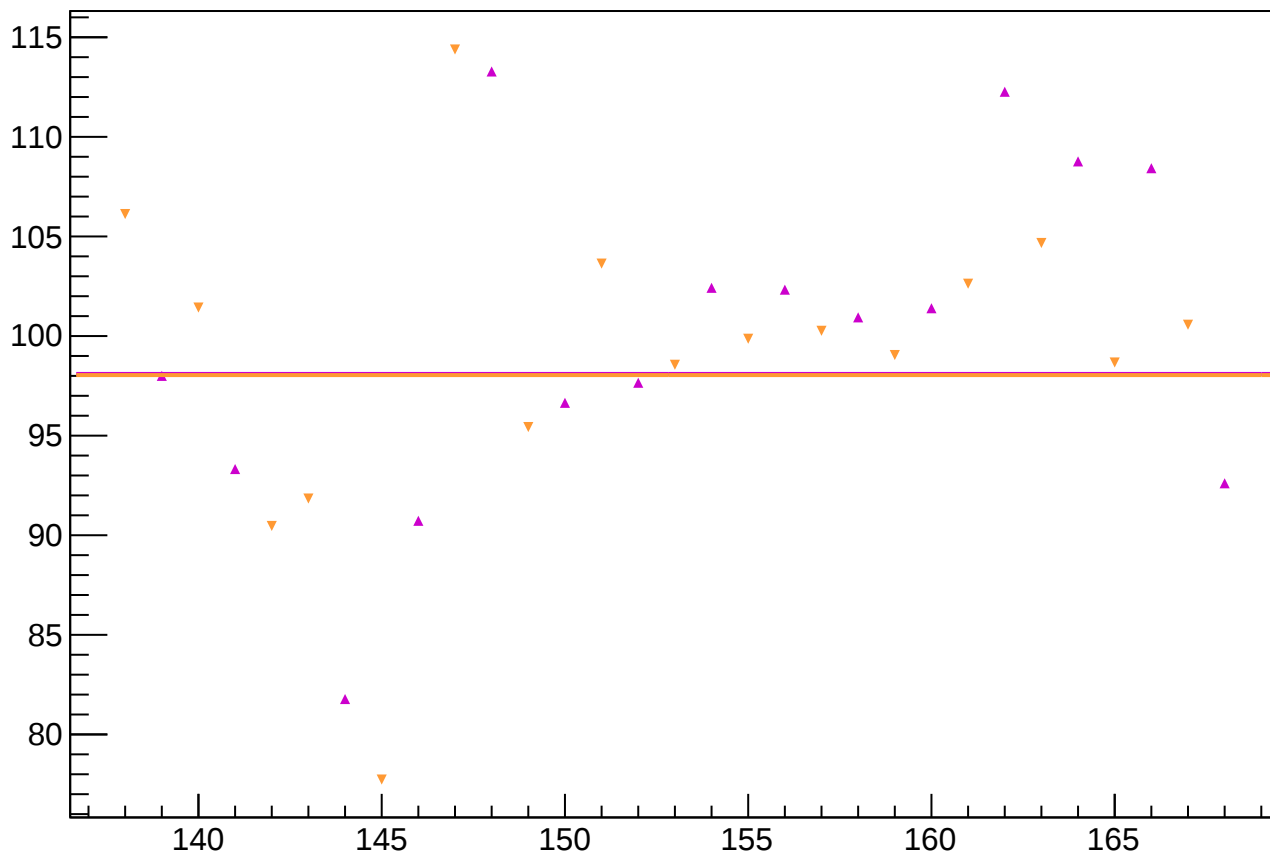
Left In: -43.386 $\pm$ 28.809 χ^2 /NDF:14.5/14

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

All: -10.103 $\pm$ 20.269 χ^2 /NDF: 29.5/30

- 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: 98.040+/-0.020 χ^2/NDF :176572.7/15

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

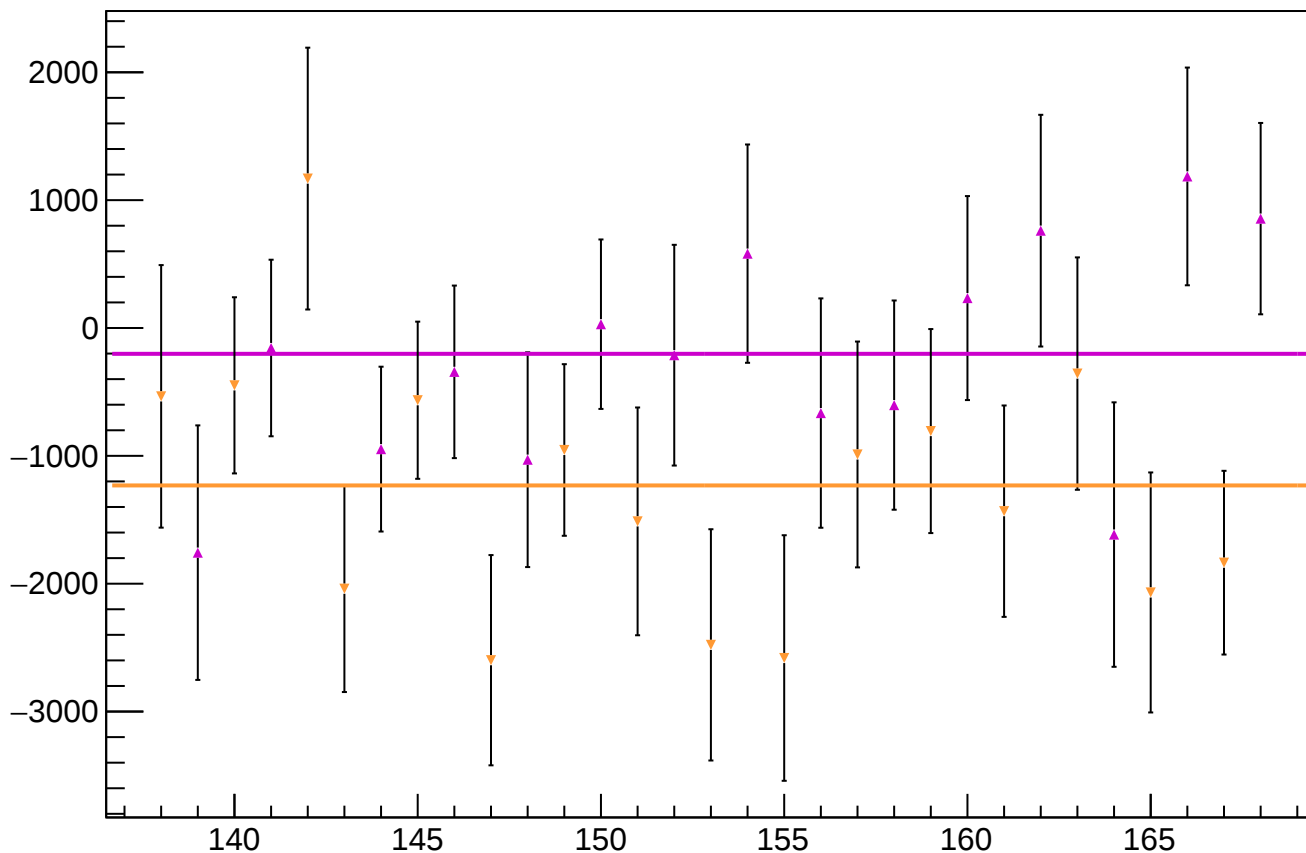
Left In: 98.097+/-0.020 χ^2/NDF :171659.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 98.069+/-0.014 χ^2/NDF : 348235.9/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -1231.434 $\pm$ 203.905 χ^2 /NDF:19.2/15

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

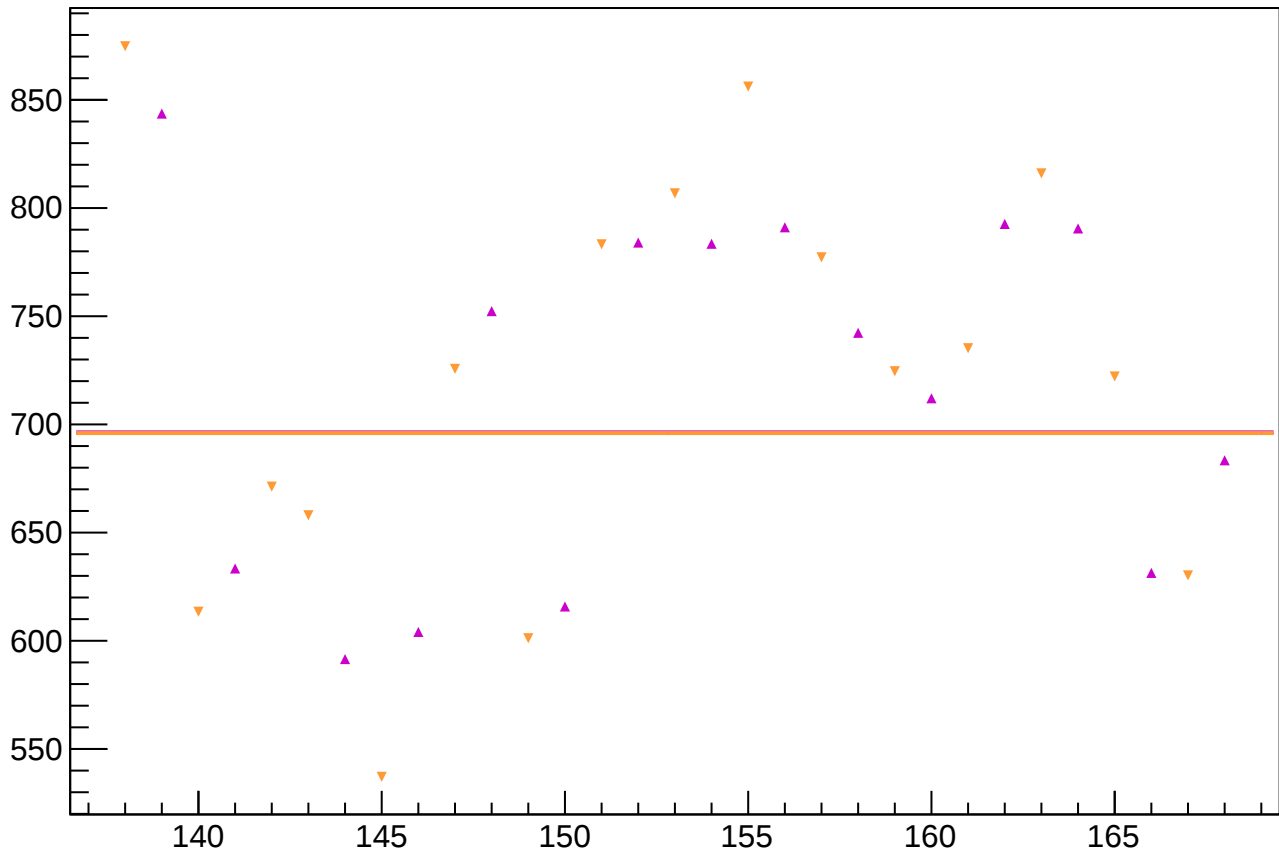
Left In: -202.016 $\pm$ 205.227 χ^2 /NDF:14.2/14

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

All: -720.053 $\pm$ 144.648 χ^2 /NDF: 46.1/30

- sign 0.000 $\pm$ 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: 695.989+/-0.144 χ^2/NDF : 453113.7/15

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

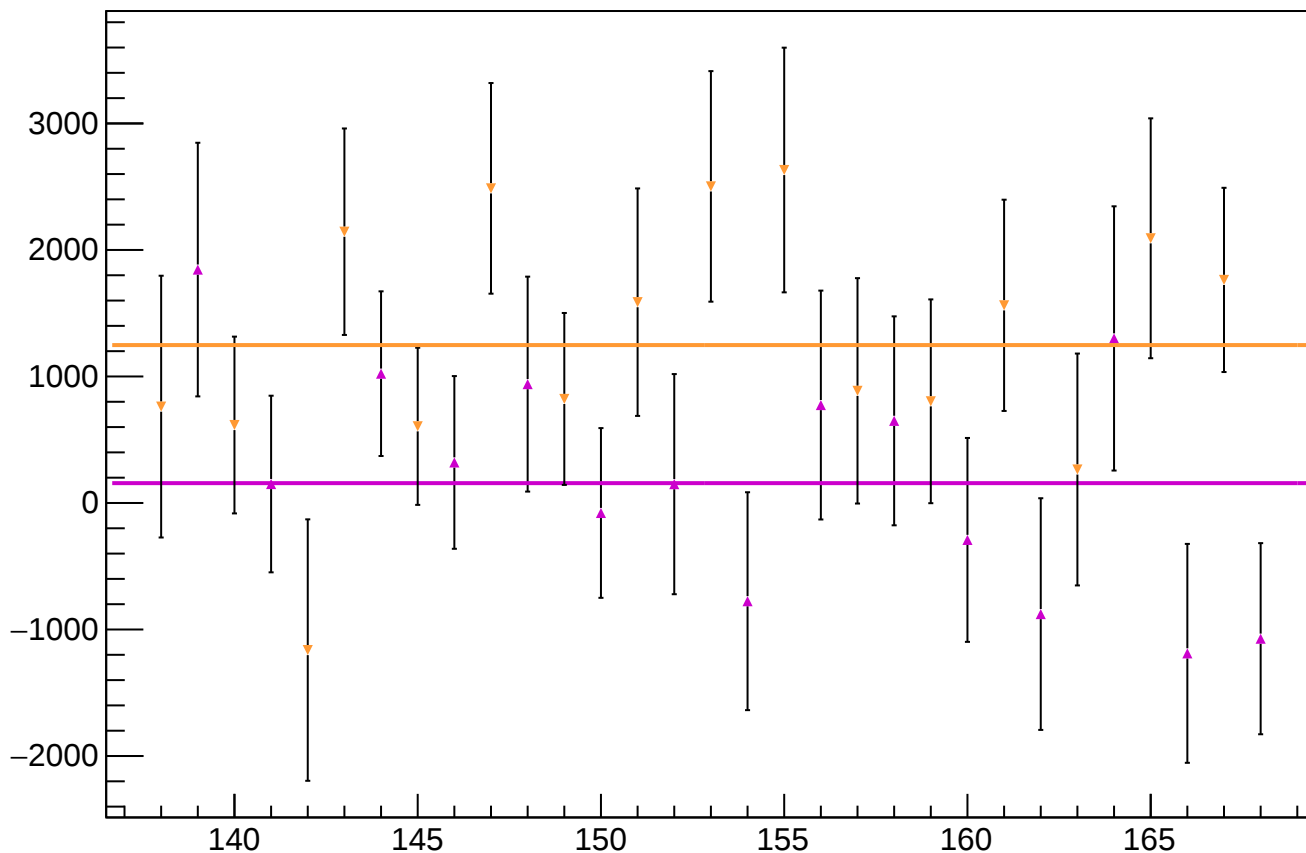
Left In: 696.310+/-0.145 χ^2/NDF : 311391.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 696.148+/-0.102 χ^2/NDF : 764507.3/30

- 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: 1248.124+/-206.026 χ^2/NDF : 18.5/15

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

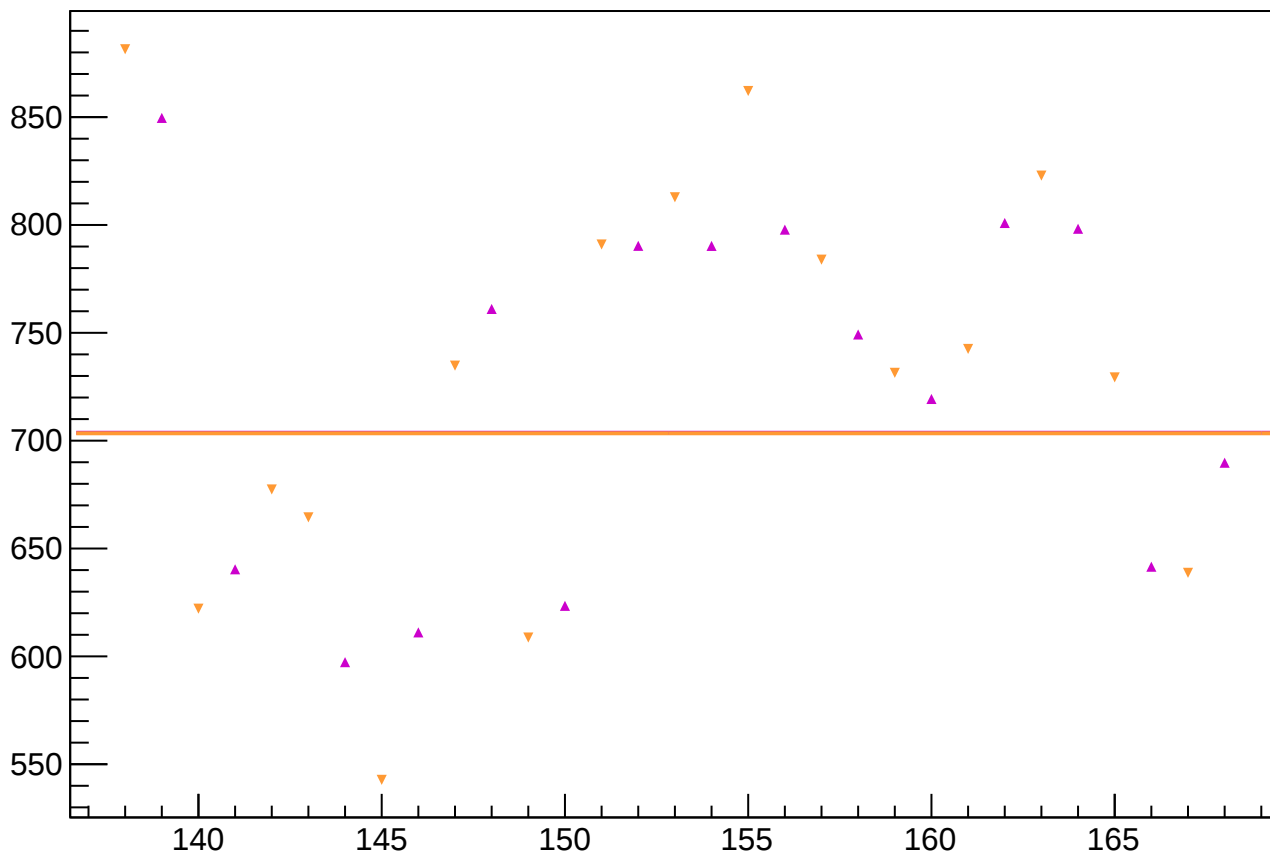
Left In: 156.842+/-207.352 χ^2/NDF : 15.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 705.983+/-146.149 χ^2/NDF : 47.9/30

- 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: 703.429+/-0.146 χ^2/NDF : 443722.3/15

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

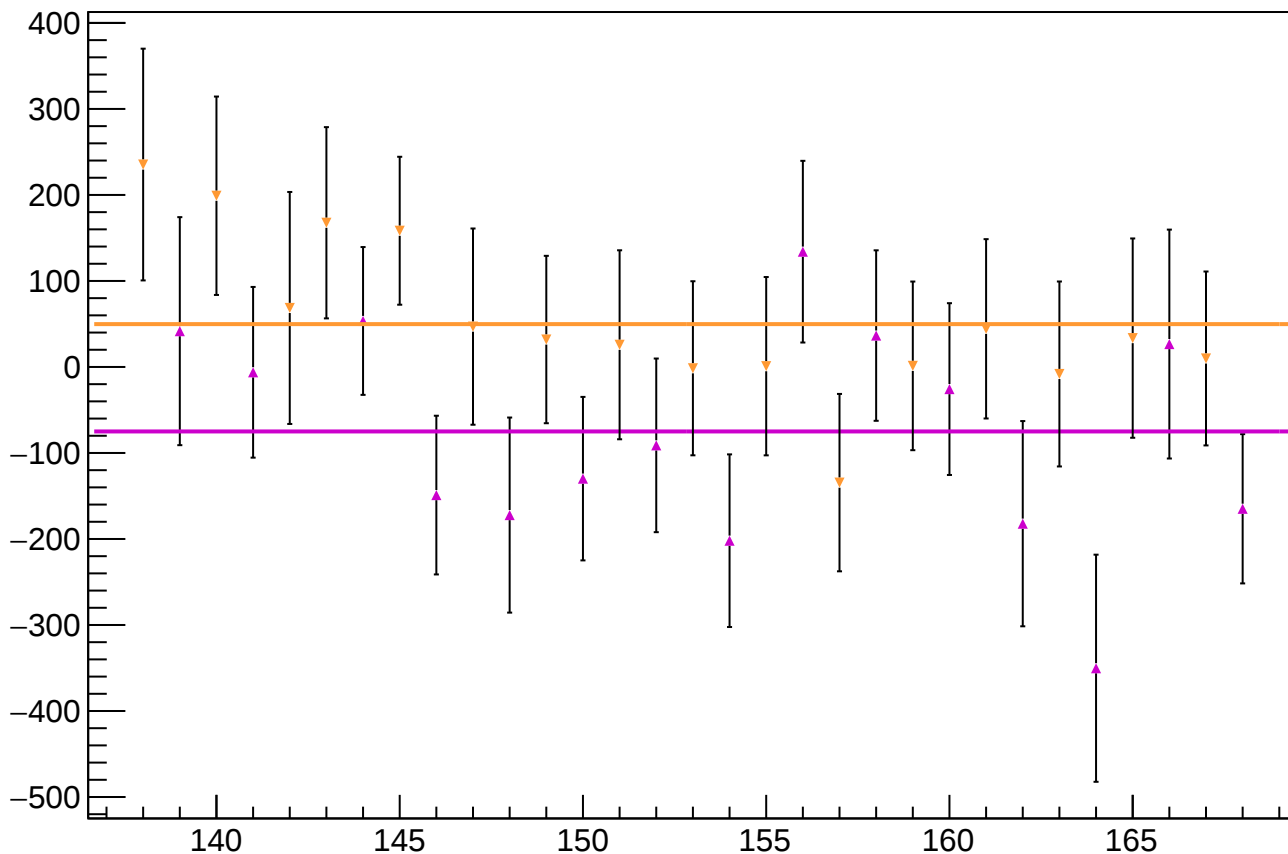
Left In: 703.656+/-0.147 χ^2/NDF : 305332.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 703.542+/-0.103 χ^2/NDF : 749056.1/30

- 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: 49.813+/-26.667 χ^2/NDF :10.8/15

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

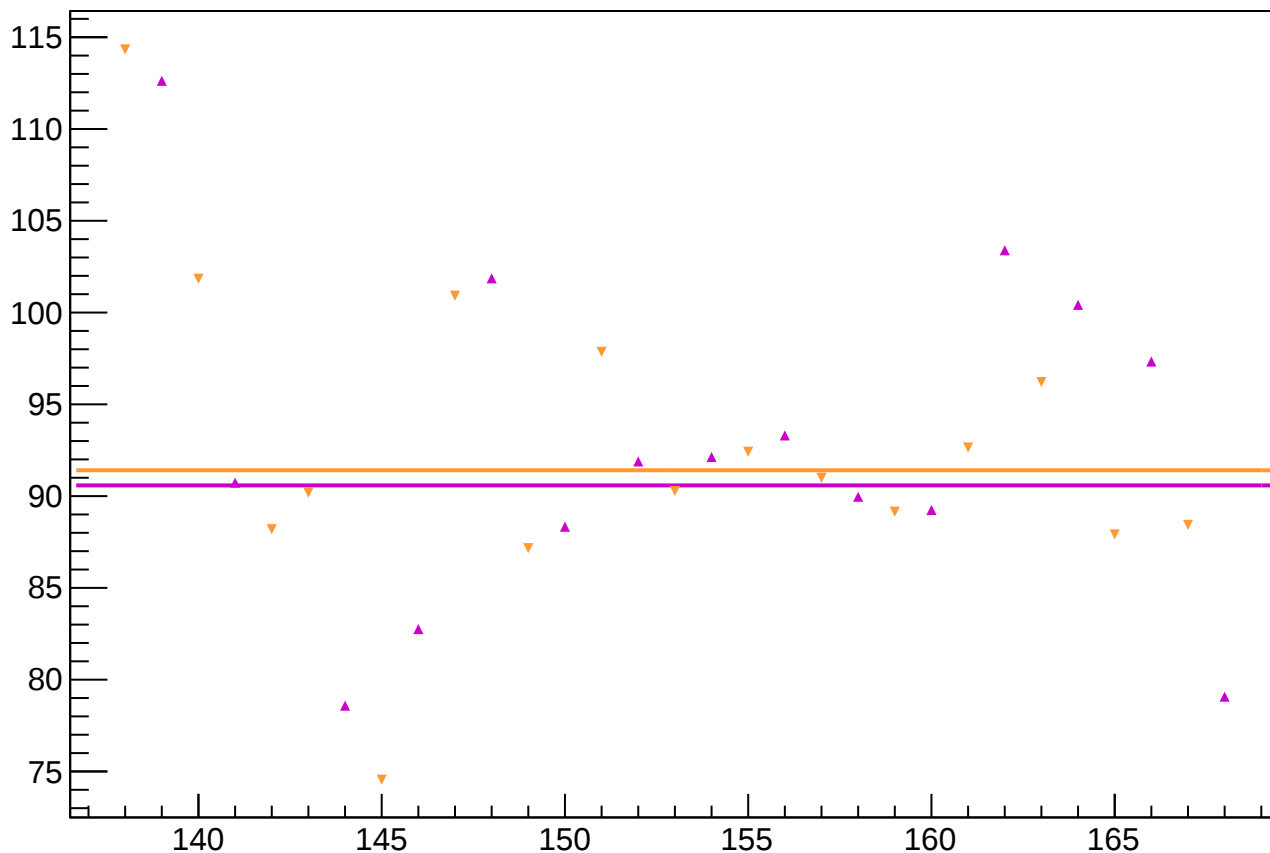
Left In: -74.978+/-26.671 χ^2/NDF :19.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.572+/-18.858 χ^2/NDF : 40.8/30

- 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: 91.407+/-0.019 χ^2/NDF :186451.7/15

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

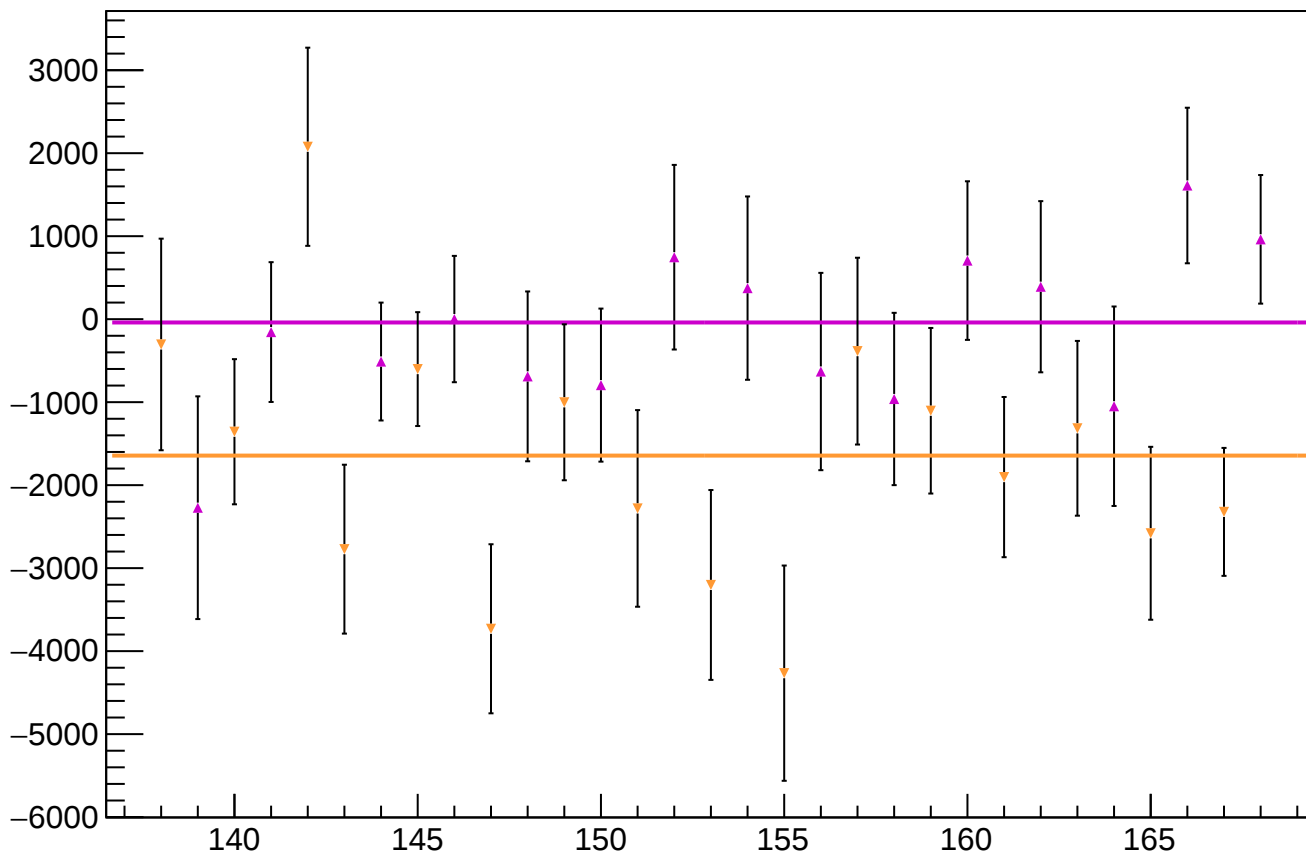
Left In: 90.584+/-0.019 χ^2/NDF :206652.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 90.996+/-0.013 χ^2/NDF : 394058.2/30

- 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: -1643.824 $\pm$ 248.020 χ^2 /NDF:28.7/15

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

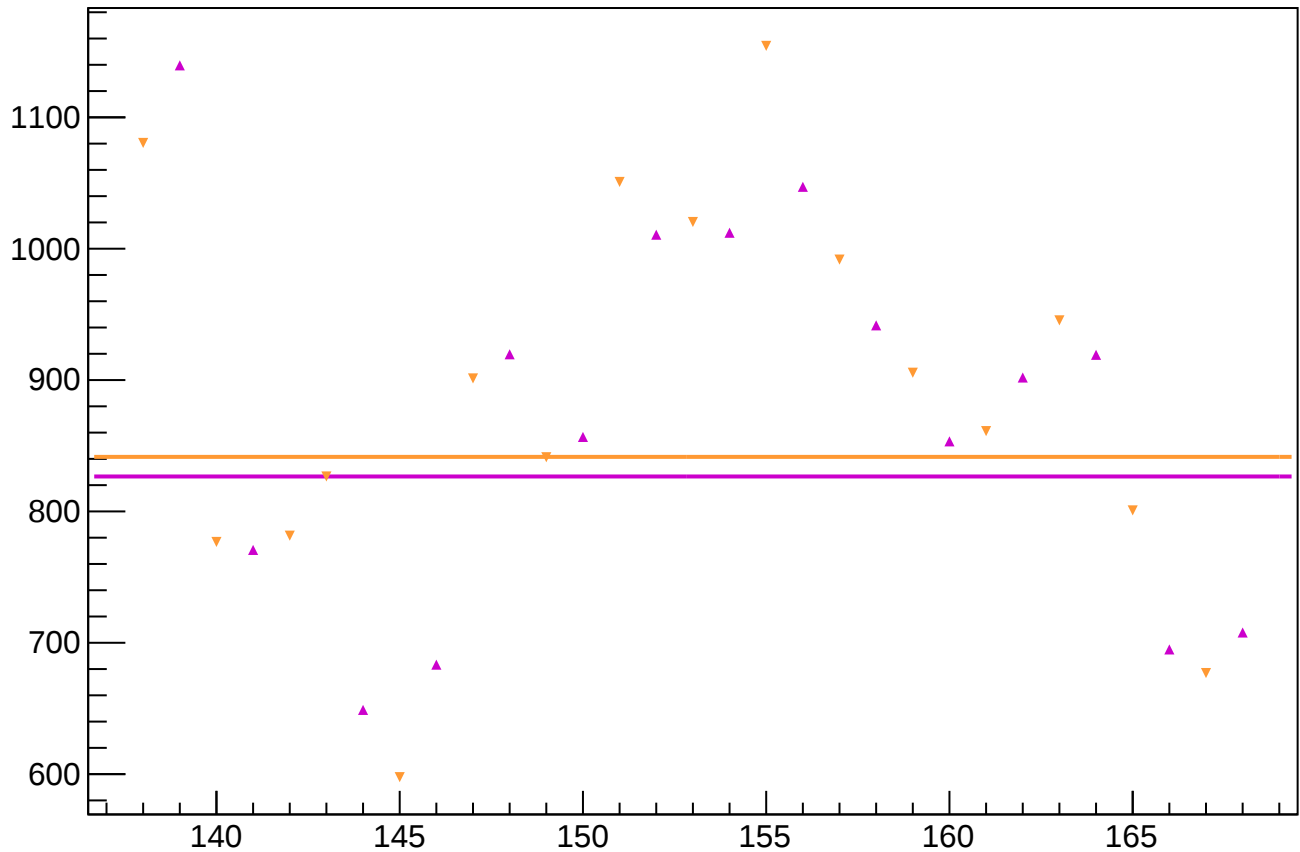
Left In: -39.819 $\pm$ 245.437 χ^2 /NDF:12.2/14

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

All: -833.425 $\pm$ 174.456 χ^2 /NDF: 62.0/30

- 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: 841.524+/-0.175 χ^2/NDF : 732322.3/15

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

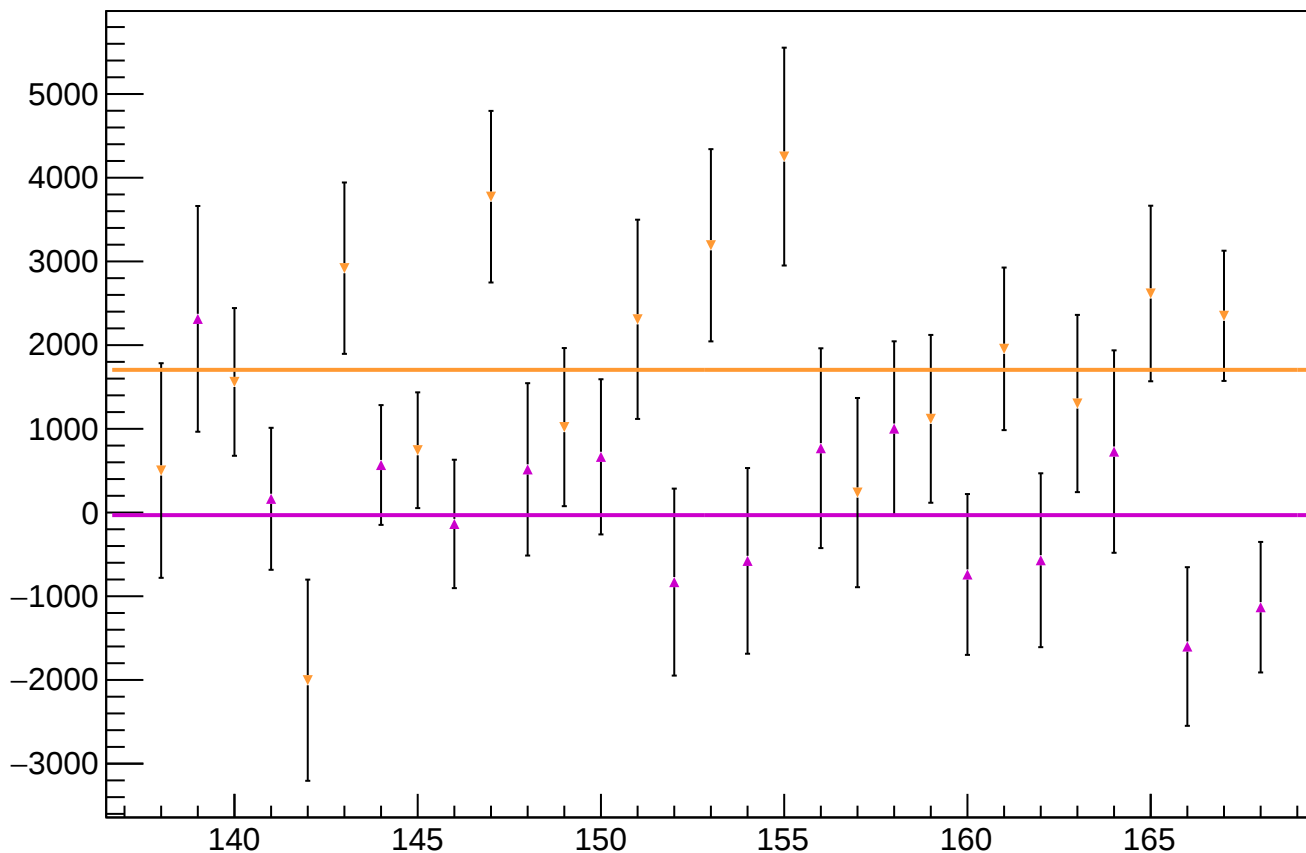
Left In: 826.600+/-0.174 χ^2/NDF : 647504.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 833.984+/-0.123 χ^2/NDF : 1383485.9/30

- 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: 1704.757+/-249.603 χ^2/NDF : 27.8/15

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

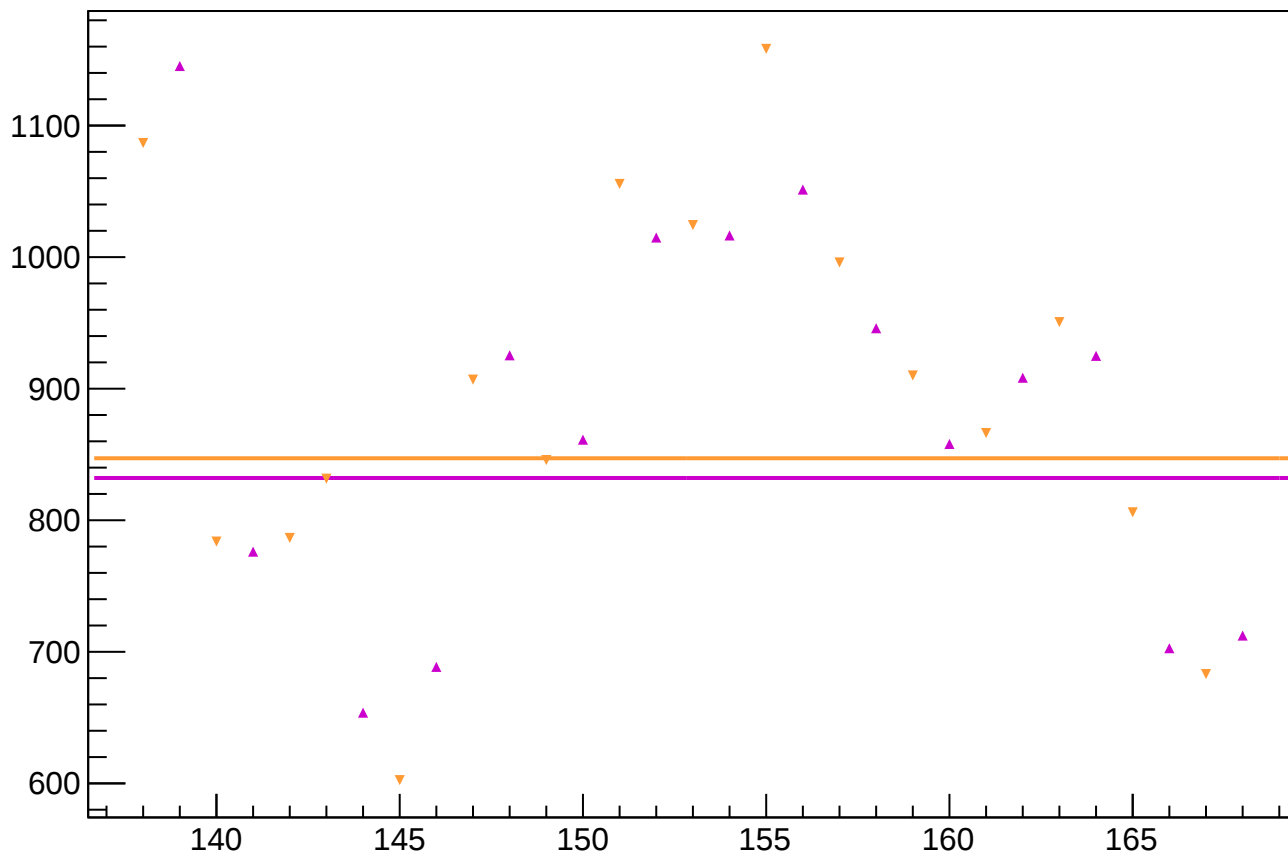
Left In: -30.979+/-247.021 χ^2/NDF : 12.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 827.862+/-175.576 χ^2/NDF : 65.0/30

- 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: 847.121+/-0.176 χ^2/NDF : 720705.0/15

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

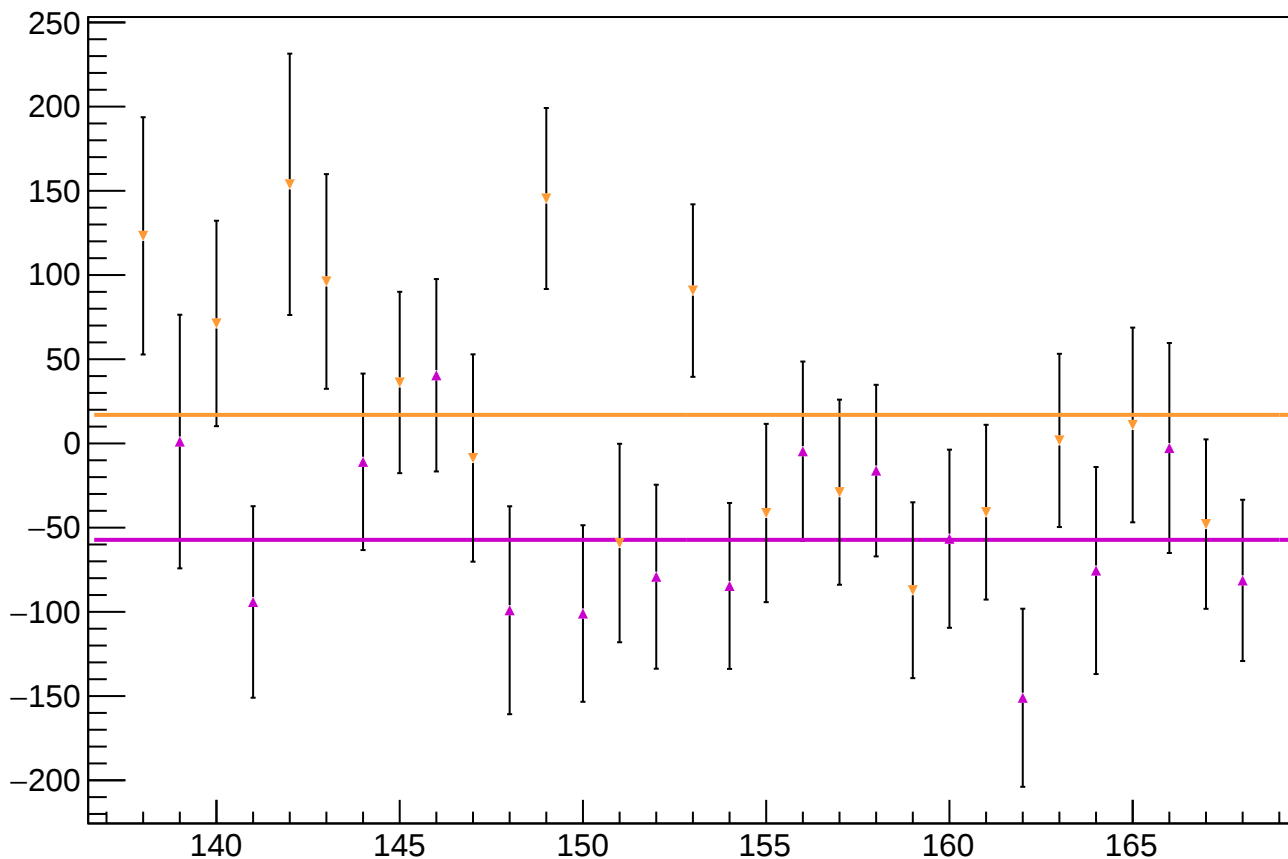
Left In: 832.126+/-0.175 χ^2/NDF : 637855.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 839.546+/-0.124 χ^2/NDF : 1362207.1/30

- 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: 16.968+/-14.134 χ^2/NDF :26.4/15

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

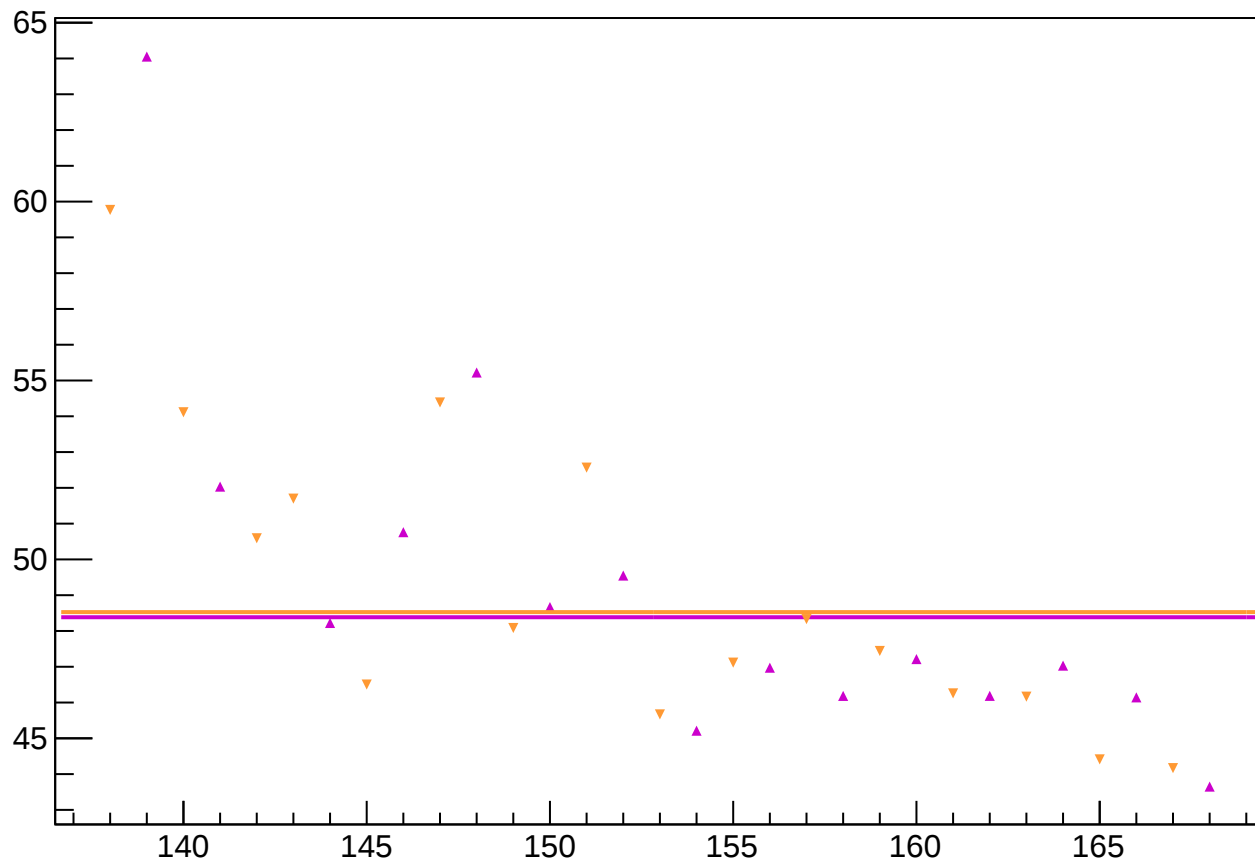
Left In: -57.238+/-14.226 χ^2/NDF :12.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -19.894+/-10.027 χ^2/NDF : 52.3/30

- 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: 48.527+/-0.010 χ^2/NDF :146296.1/15

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

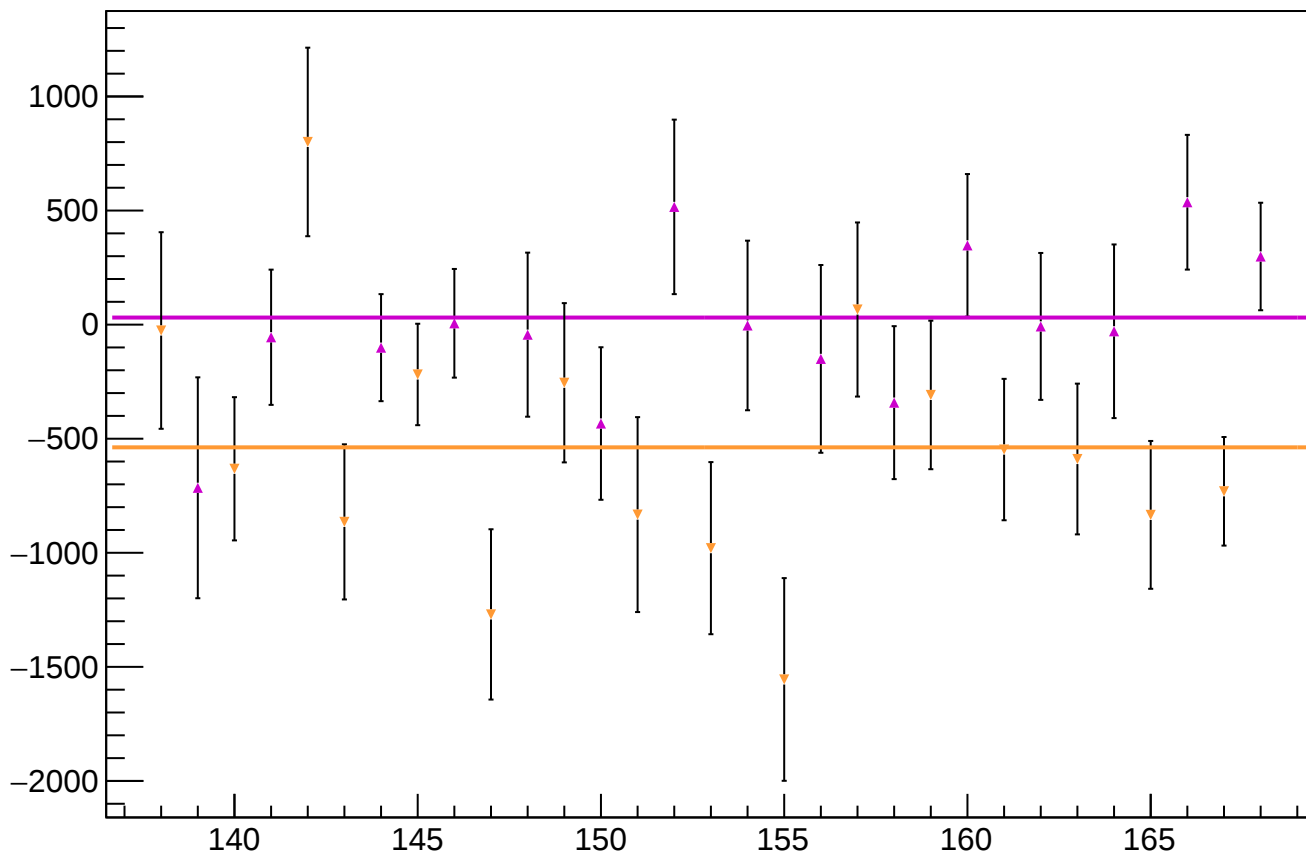
Left In: 48.384+/-0.010 χ^2/NDF :164797.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 48.456+/-0.007 χ^2/NDF : 311195.9/30

- 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: -537.862 $\pm$ 82.671 χ^2 /NDF:31.1/15

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

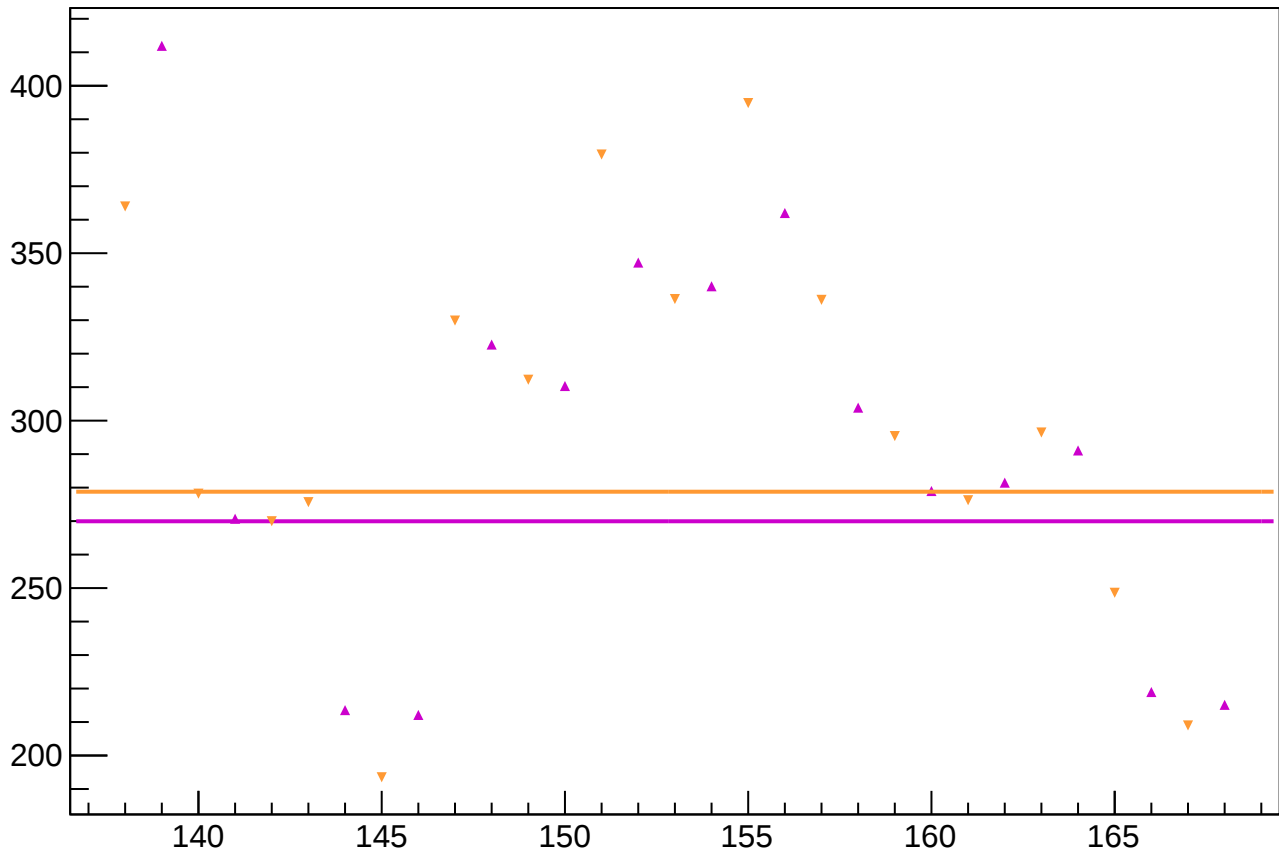
Left In: 31.033 $\pm$ 80.767 χ^2 /NDF:13.1/14

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

All: -246.790 $\pm$ 57.772 χ^2 /NDF: 68.4/30

- 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: 278.779+/-0.058 χ^2/NDF : 969194.7/15

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

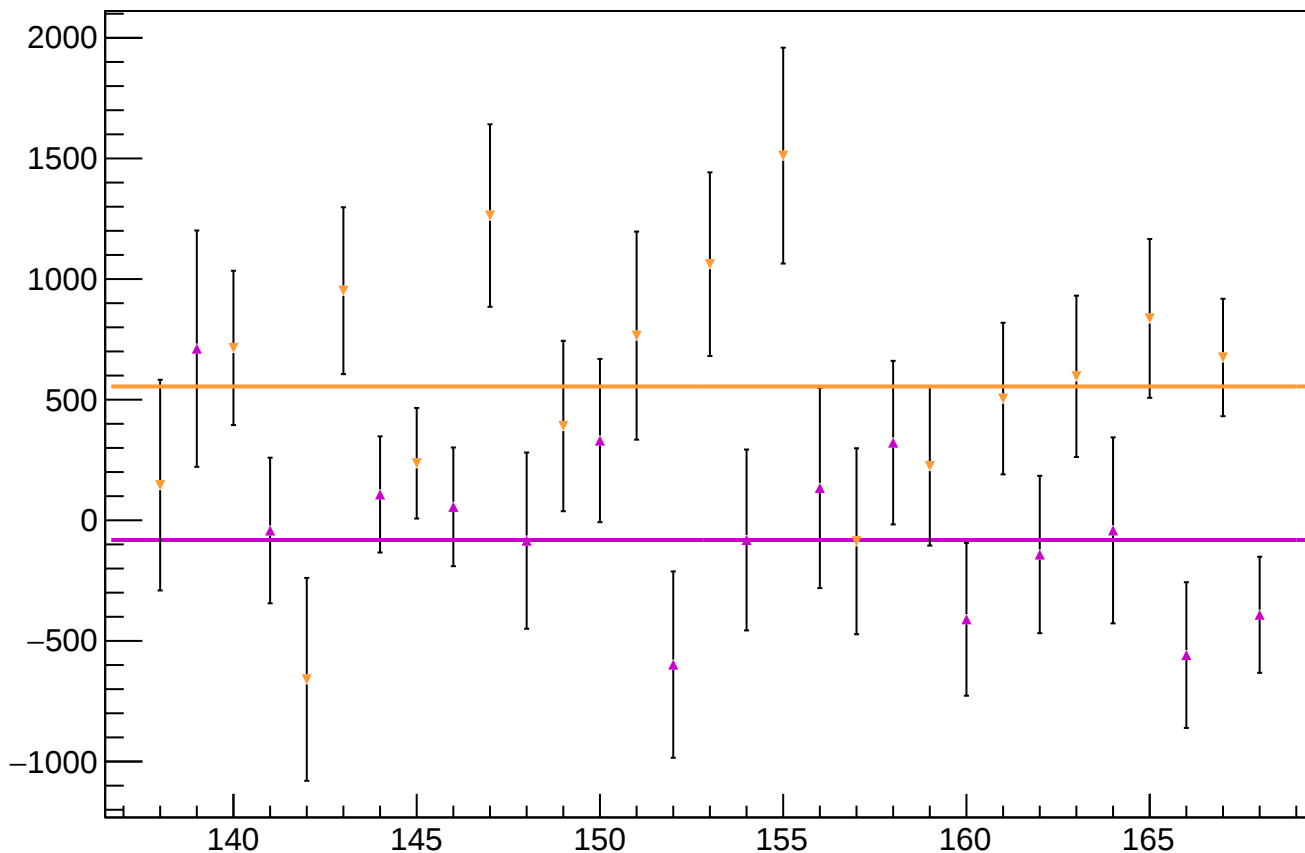
Left In: 269.951+/-0.057 χ^2/NDF : 929634.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 274.262+/-0.041 χ^2/NDF : 1910497.7/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_mean vs Slug



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

Left Out: 554.779+/-84.074 χ^2/NDF : 27.8/15

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

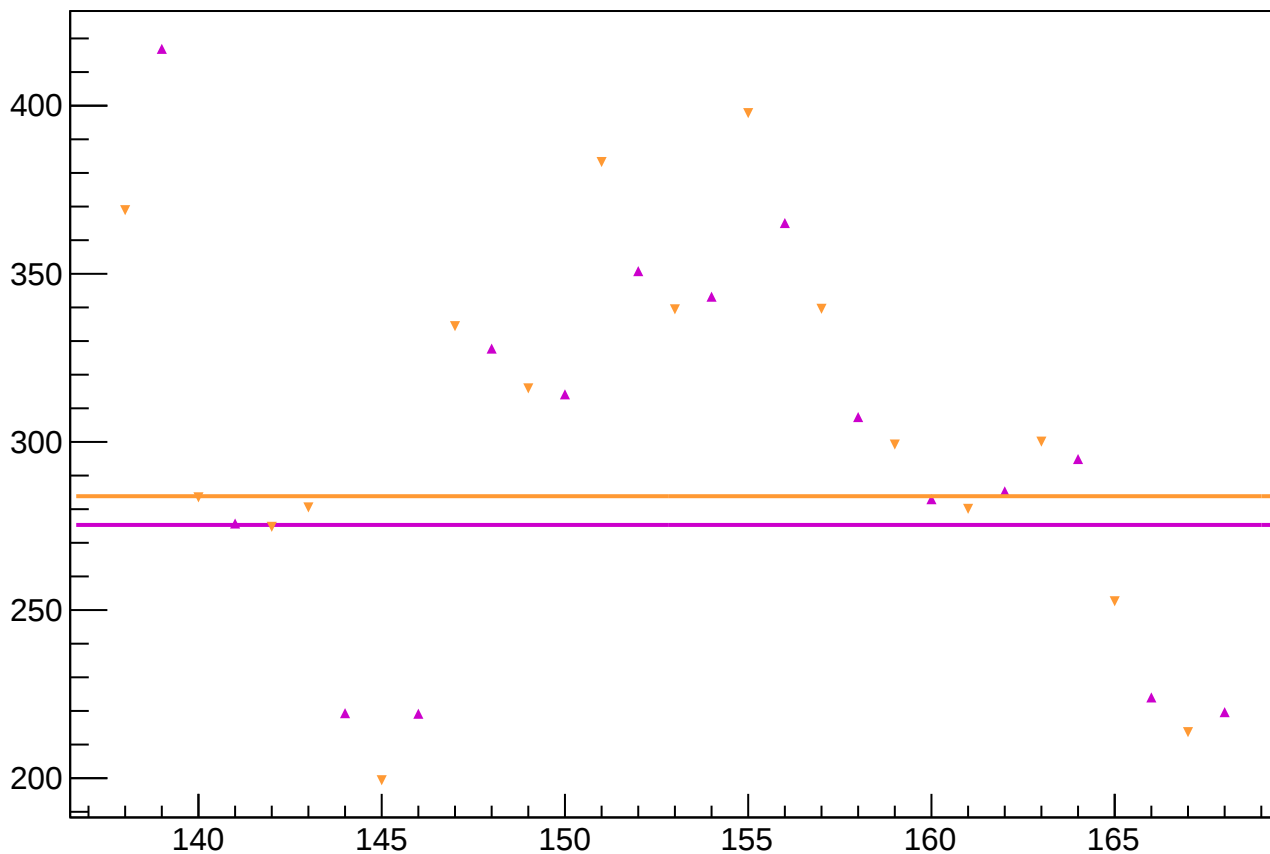
Left In: -81.706+/-82.261 χ^2/NDF : 13.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 229.599+/-58.798 χ^2/NDF : 70.9/30

- 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: 283.860+/-0.059 χ^2/NDF : 915123.6/15

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

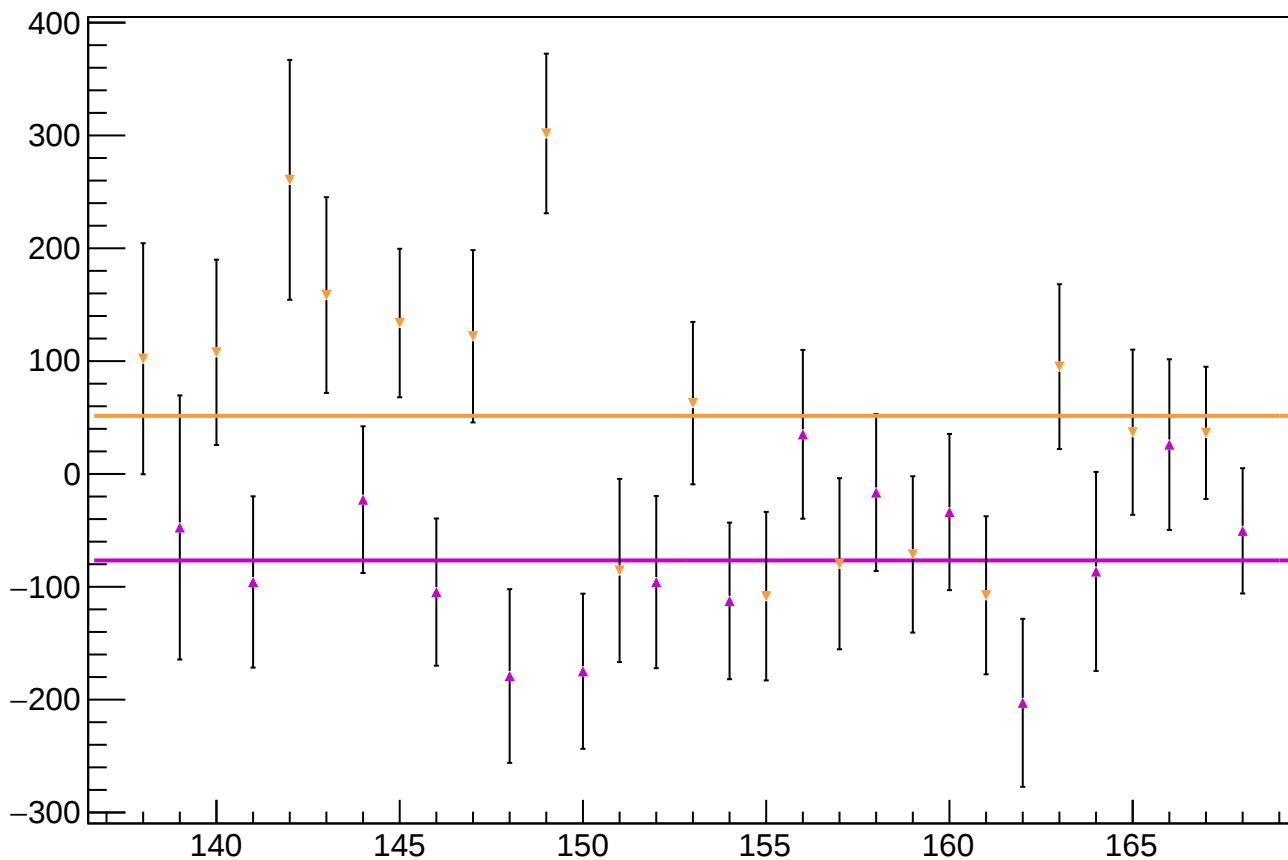
Left In: 275.316+/-0.058 χ^2/NDF : 873425.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 279.495+/-0.042 χ^2/NDF : 1799102.1/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 51.523 $\pm$ 18.753 χ^2 /NDF:40.2/15

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

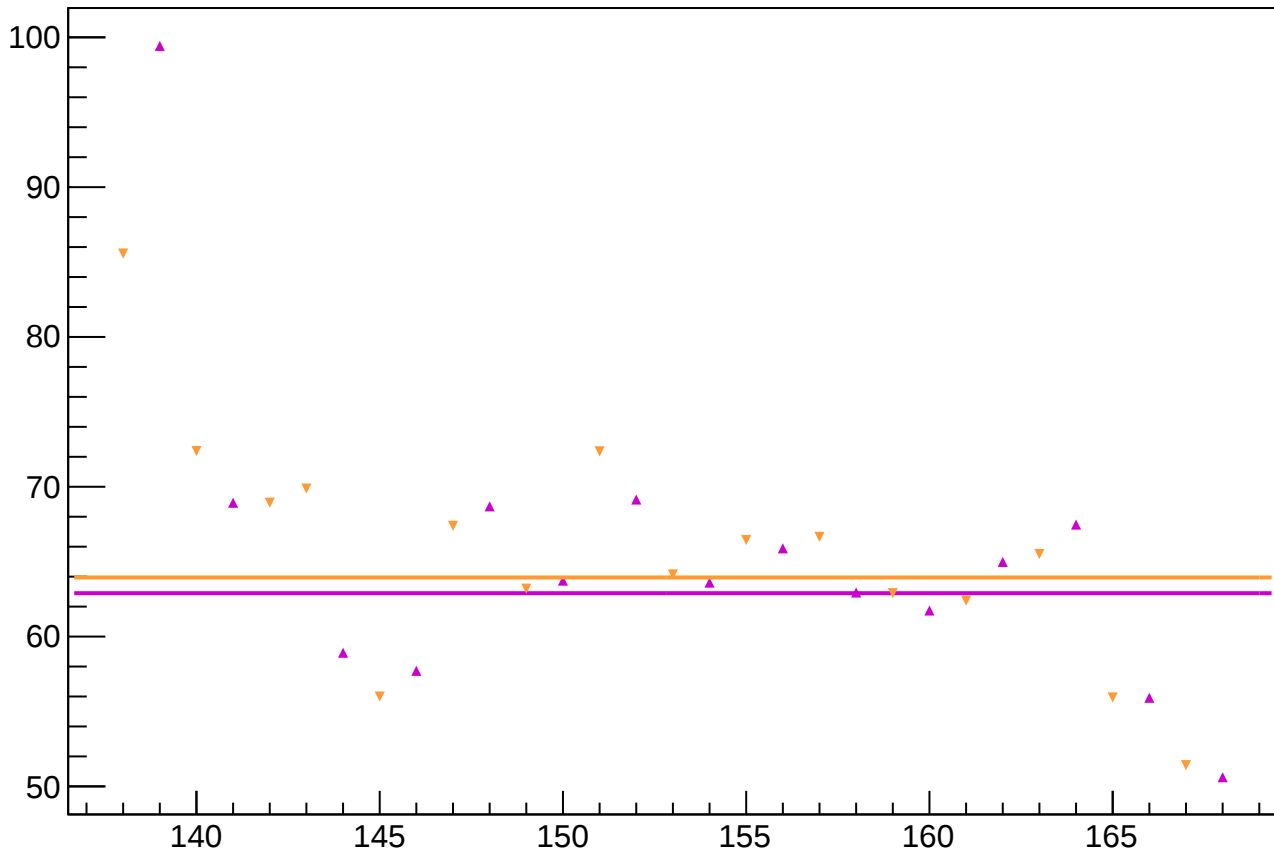
Left In: -76.637 $\pm$ 18.632 χ^2 /NDF:13.5/14

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

All: -12.974 $\pm$ 13.217 χ^2 /NDF: 77.2/30

- sign 0.000 $\pm$ 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: 63.946+/-0.013 χ^2/NDF :301735.6/15

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

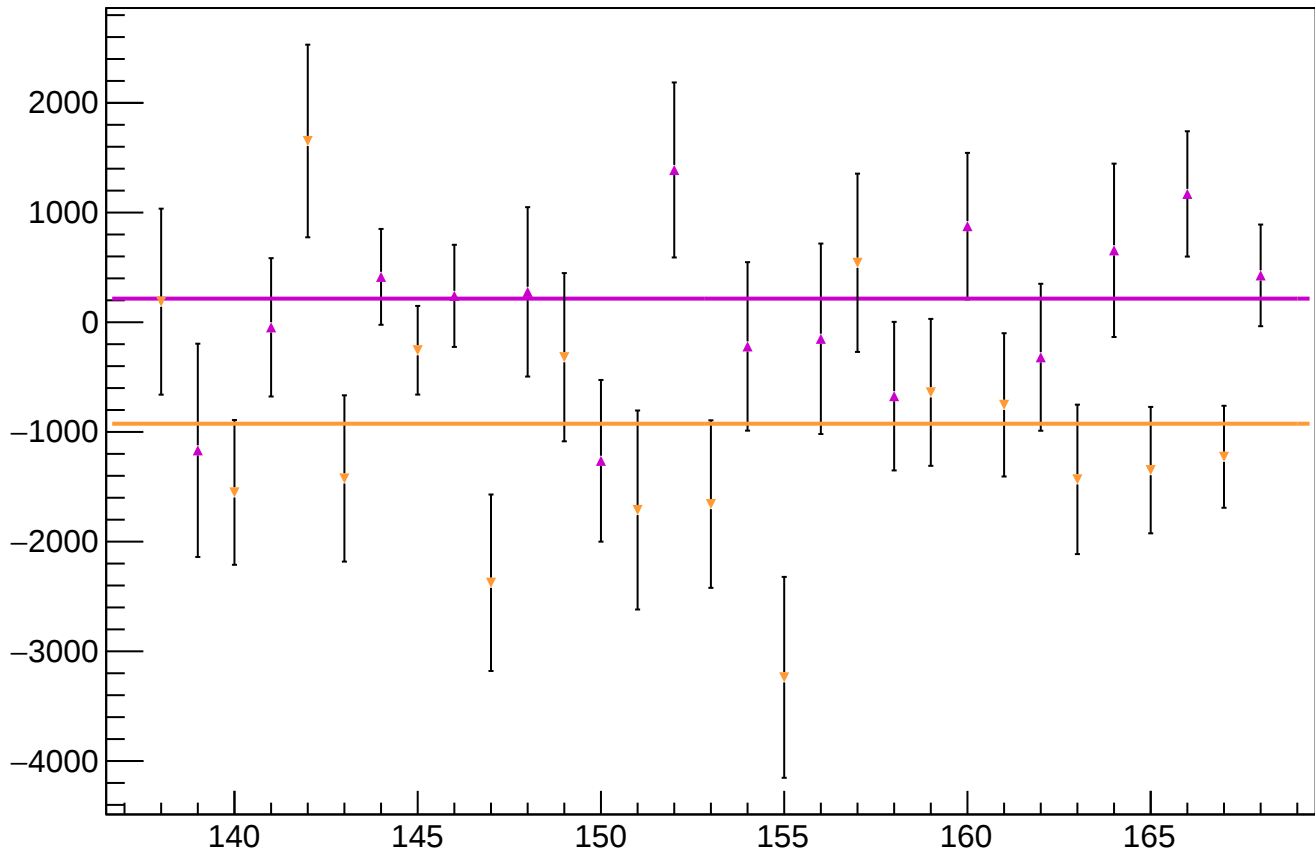
Left In: 62.895+/-0.013 χ^2/NDF :378624.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 63.417+/-0.009 χ^2/NDF : 683517.9/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -924.915+/-166.448 χ^2/NDF :31.4/15

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

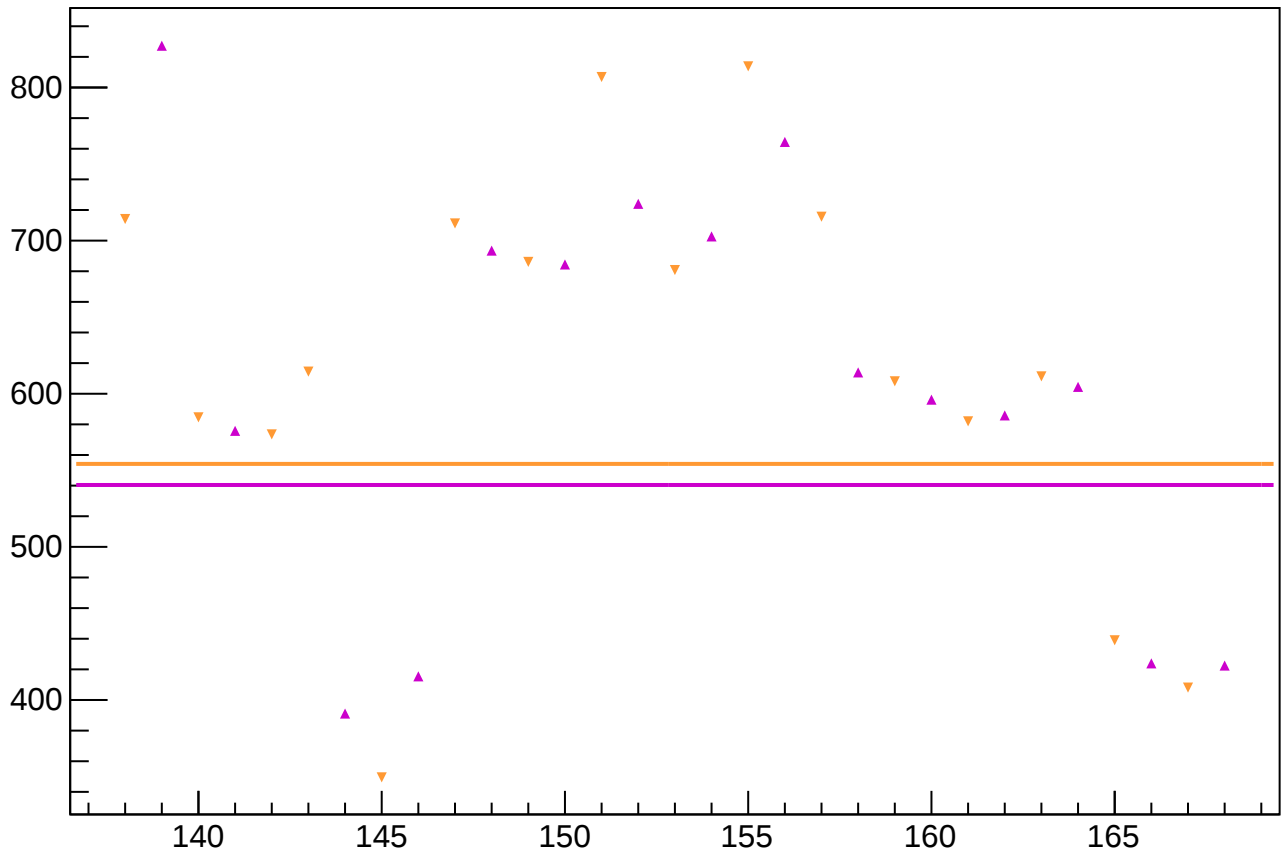
Left In: 215.492+/-163.281 χ^2/NDF :15.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -343.759+/-116.561 χ^2/NDF : 71.0/30

- sign 0.000+/-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: 554.185+/-0.118 χ^2/NDF : 1495366.4/15

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

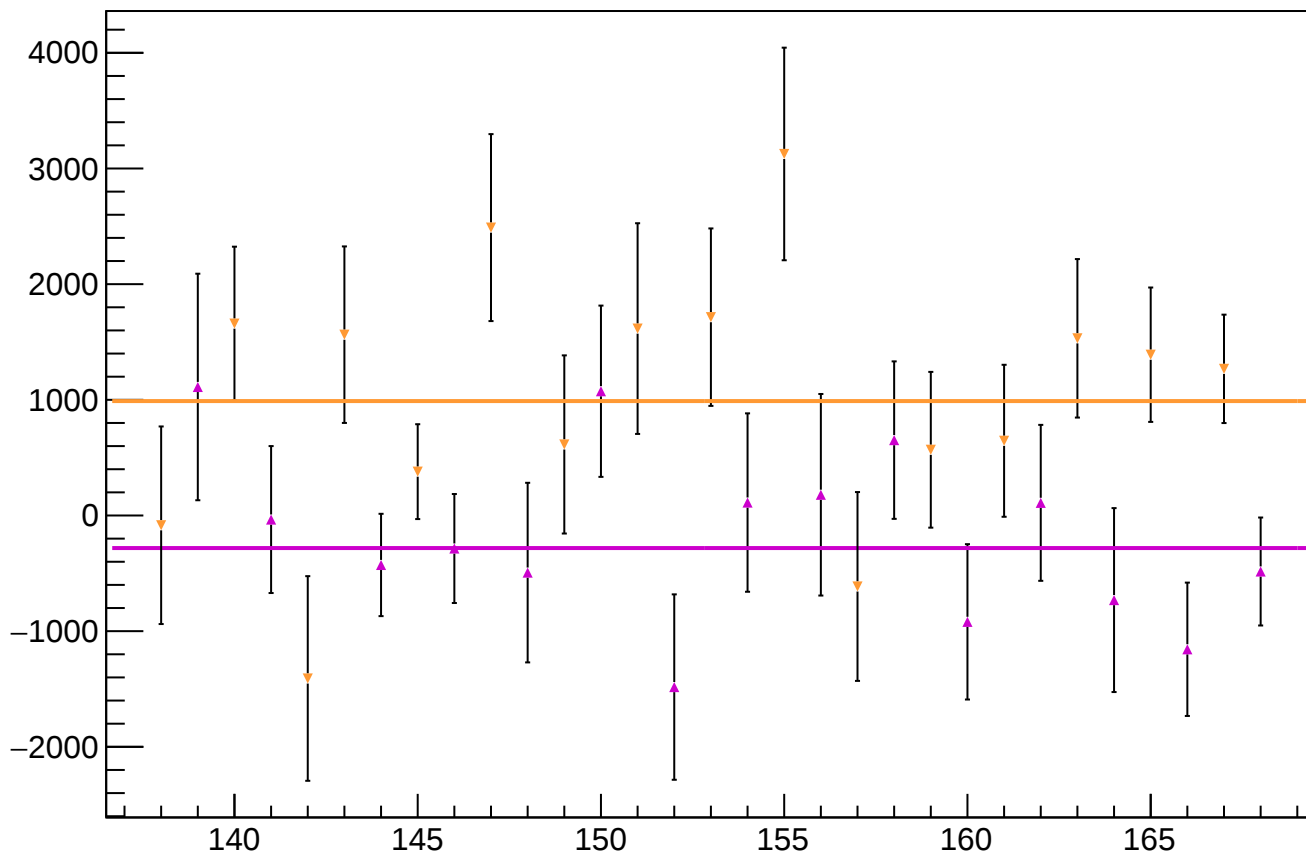
Left In: 540.415+/-0.115 χ^2/NDF : 1313930.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 547.168+/-0.082 χ^2/NDF : 2816272.2/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_mean vs Slug



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

Left Out: 989.203+/-167.714 χ^2/NDF : 29.2/15

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

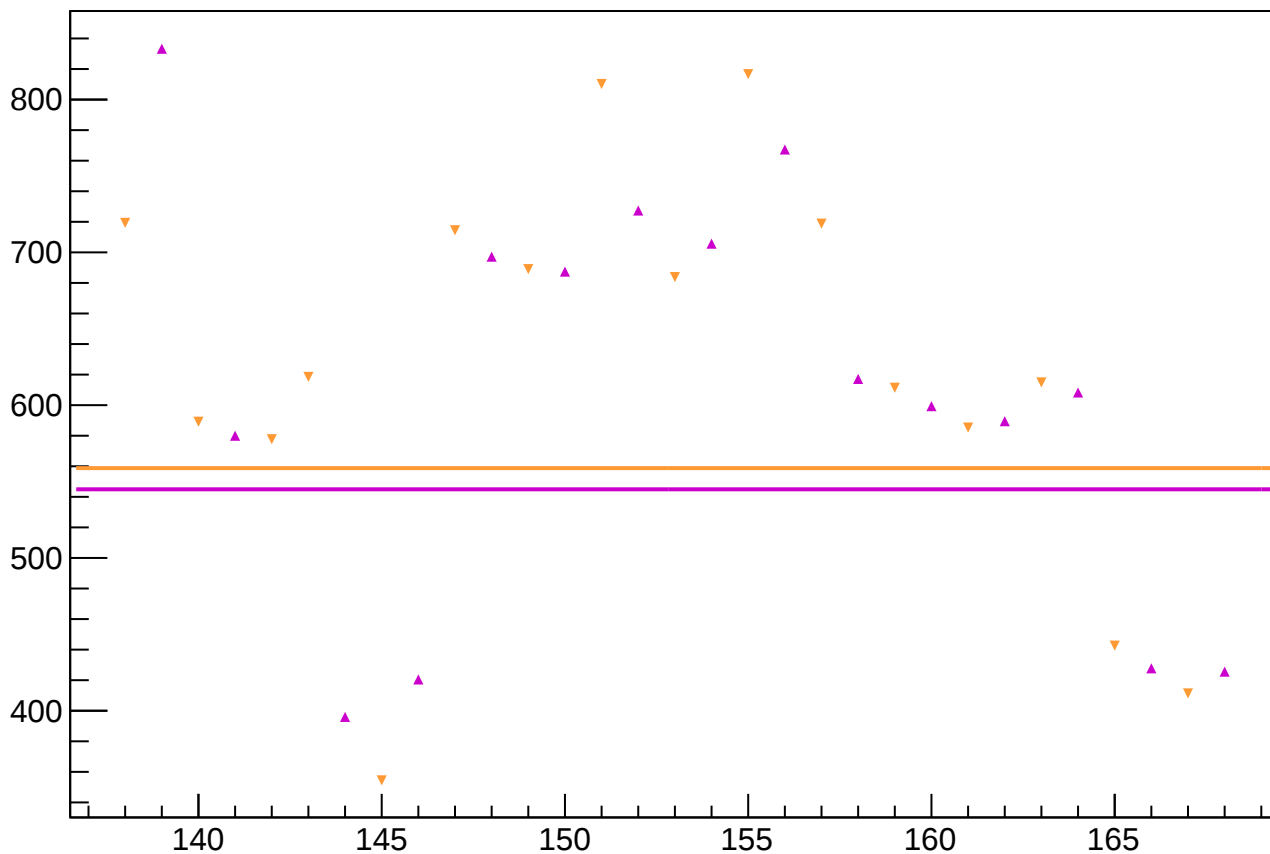
Left In: -281.548+/-164.543 χ^2/NDF : 14.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 341.703+/-117.455 χ^2/NDF : 72.8/30

- sign 0.000+/-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: 558.798+/-0.119 χ^2/NDF :1462881.1/15

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

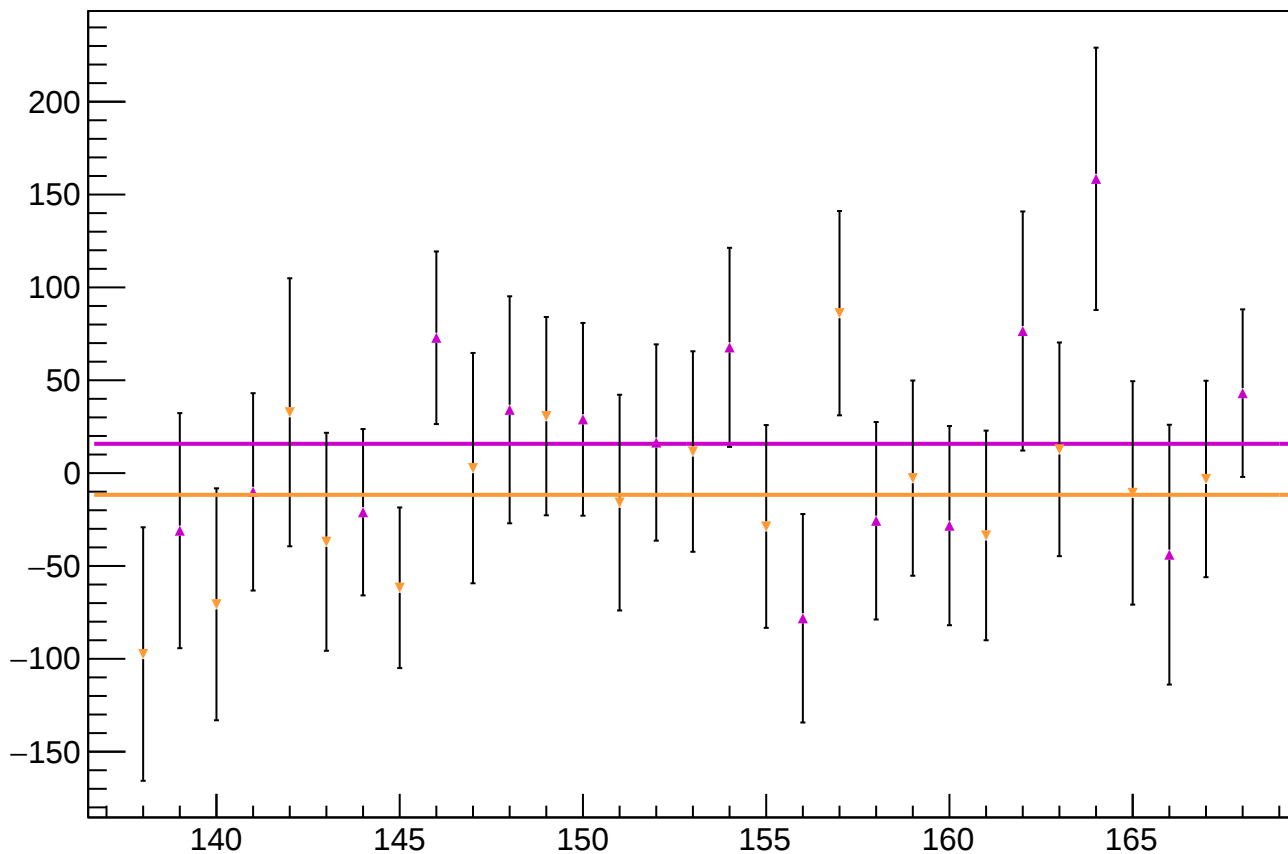
Left In: 544.927+/-0.116 χ^2/NDF :1288265.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 551.730+/-0.083 χ^2/NDF : 2758116.7/30

- 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: -11.693+/-14.119 χ^2/NDF : 8.9/15

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

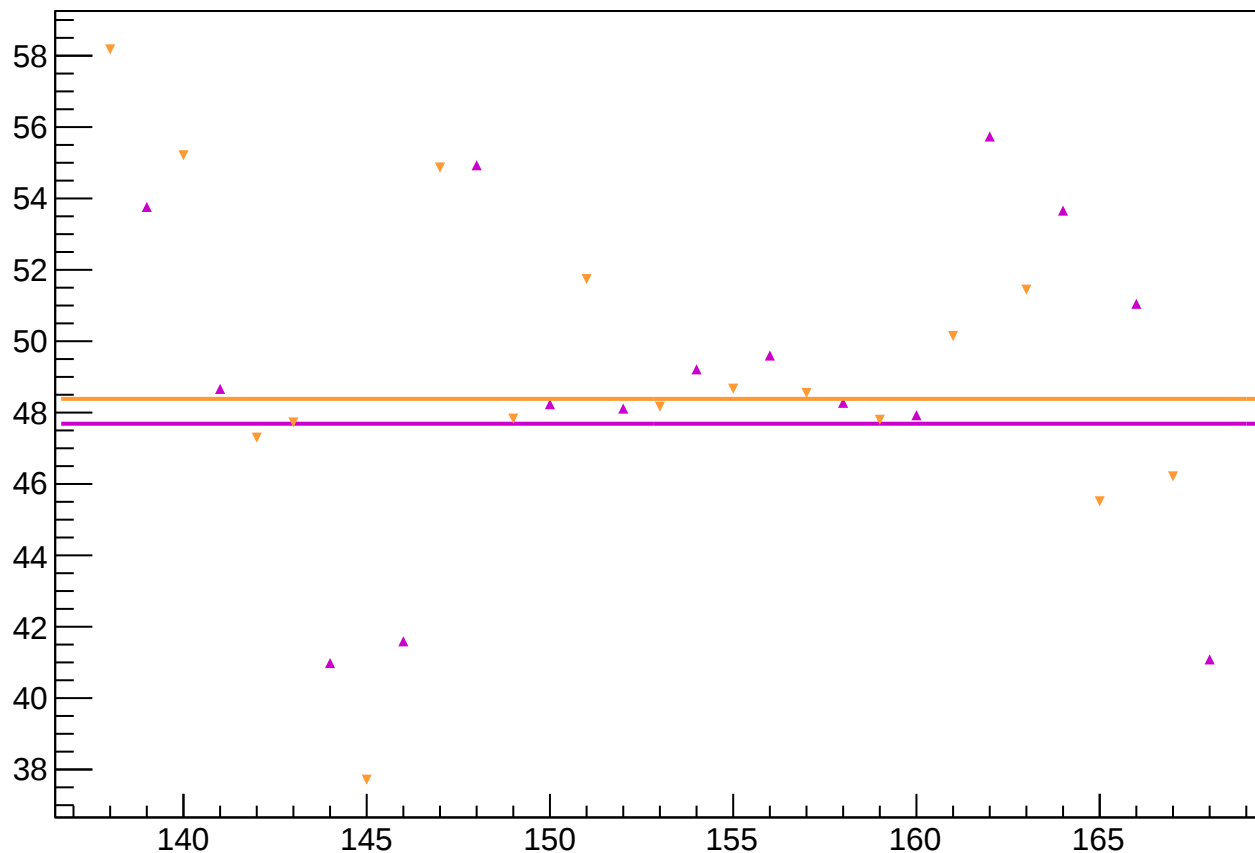
Left In: 15.785+/-14.049 χ^2/NDF : 14.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2.114+/-9.959 χ^2/NDF : 25.0/30

- 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: 48.385+/-0.010 χ^2/NDF :232200.0/15

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

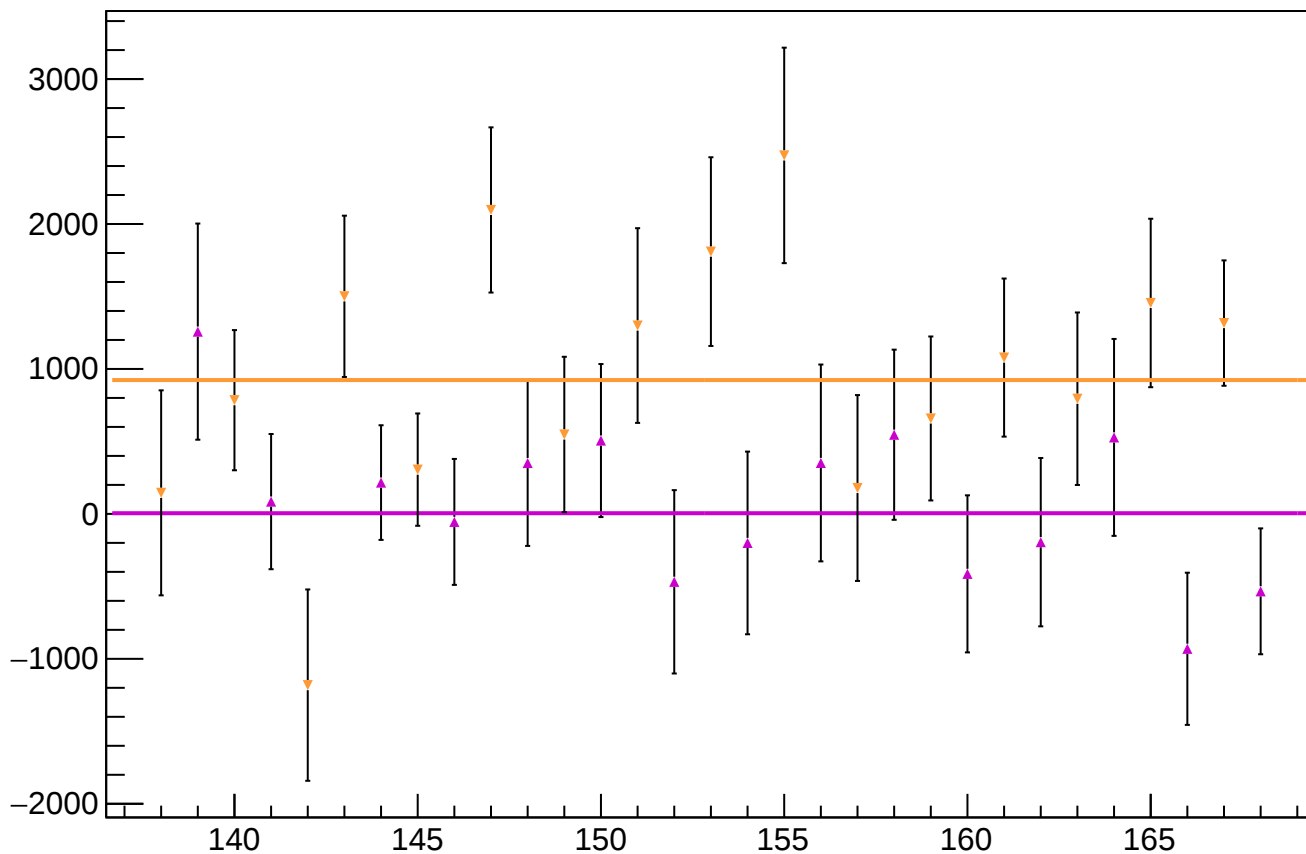
Left In: 47.688+/-0.010 χ^2/NDF :223987.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 48.035+/-0.007 χ^2/NDF : 458635.0/30

- 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: 923.333+/-139.400 χ^2/NDF : 29.7/15

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

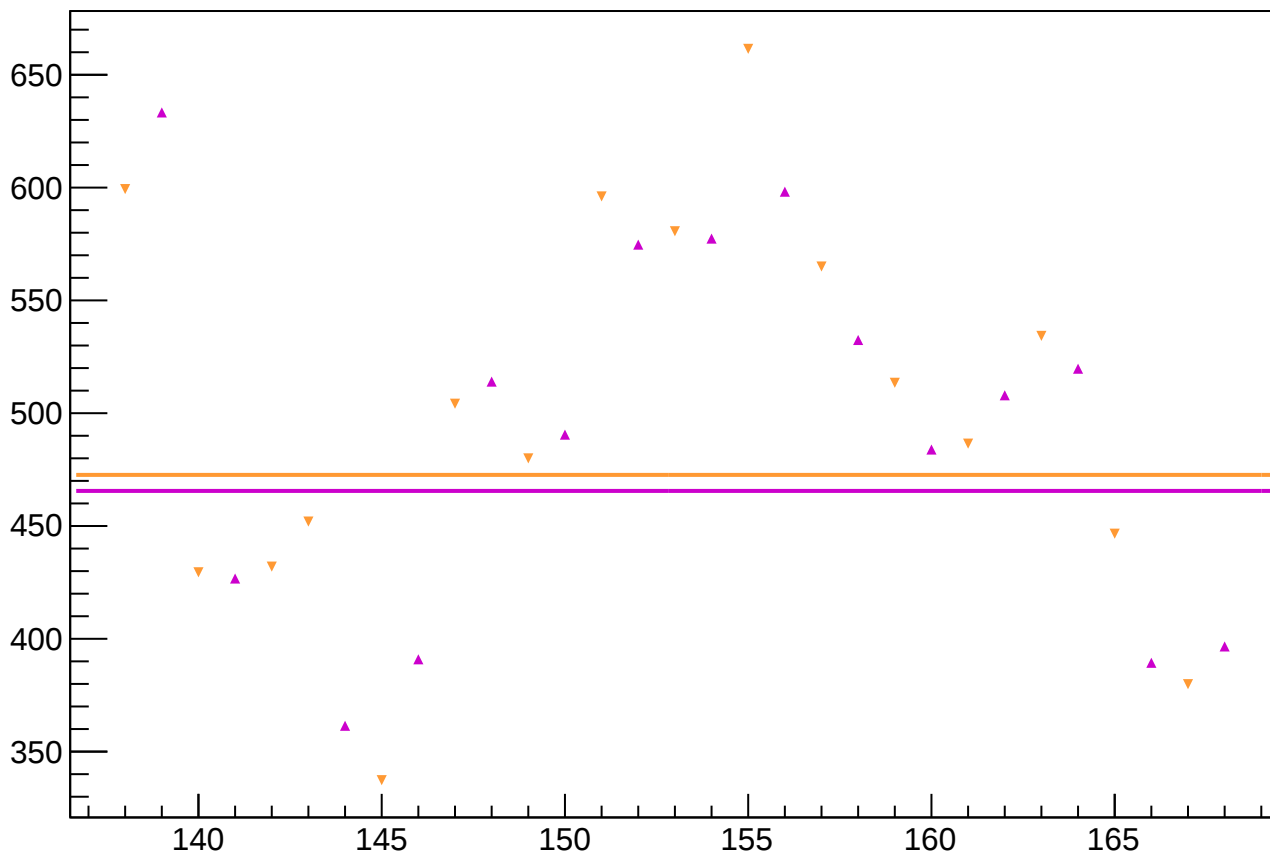
Left In: 4.676+/-138.286 χ^2/NDF : 12.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 460.319+/-98.174 χ^2/NDF : 63.8/30

- 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: 472.655+/-0.099 χ^2/NDF : 763300.6/15

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

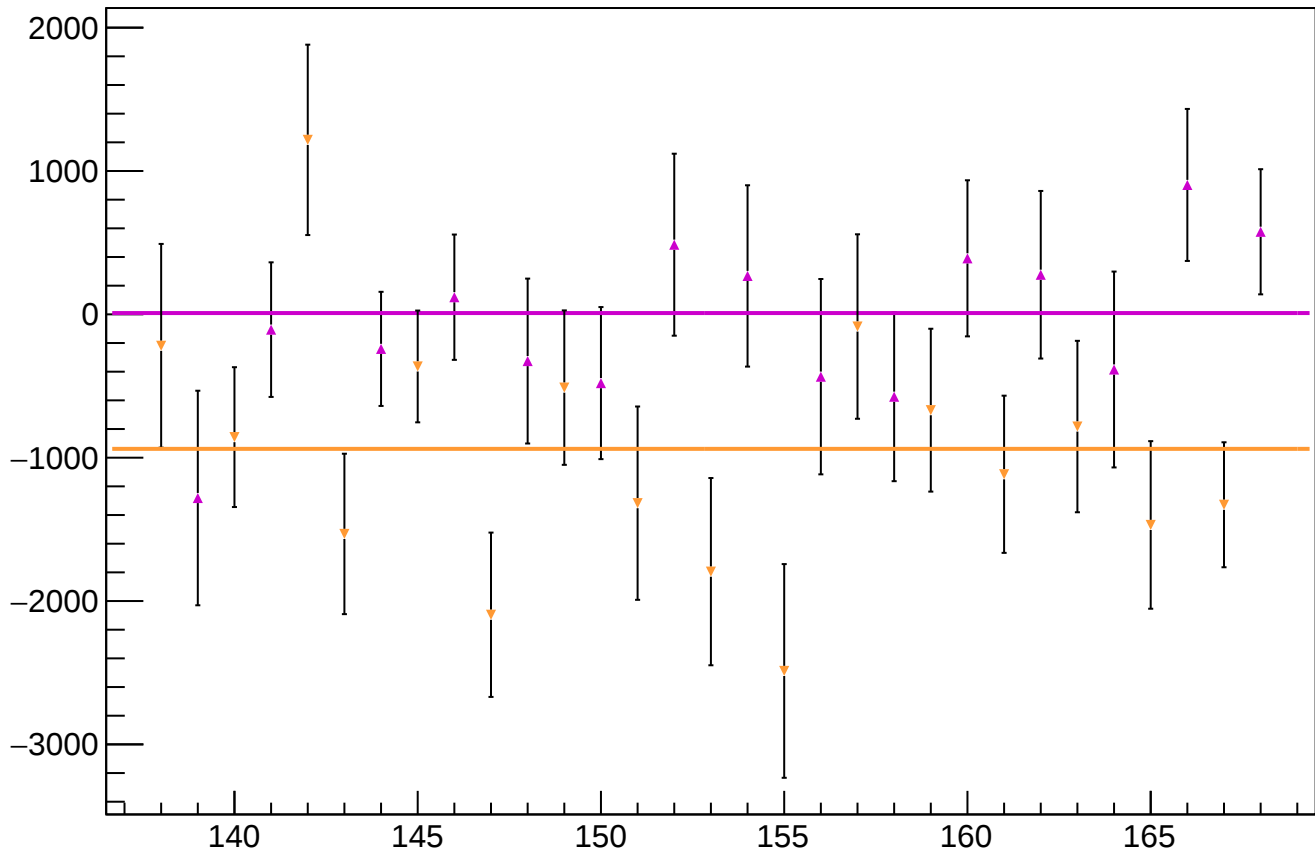
Left In: 465.551+/-0.098 χ^2/NDF : 674588.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 469.074+/-0.069 χ^2/NDF : 1440506.7/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -938.378 $\pm$ 140.195 χ^2 /NDF:29.7/15

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

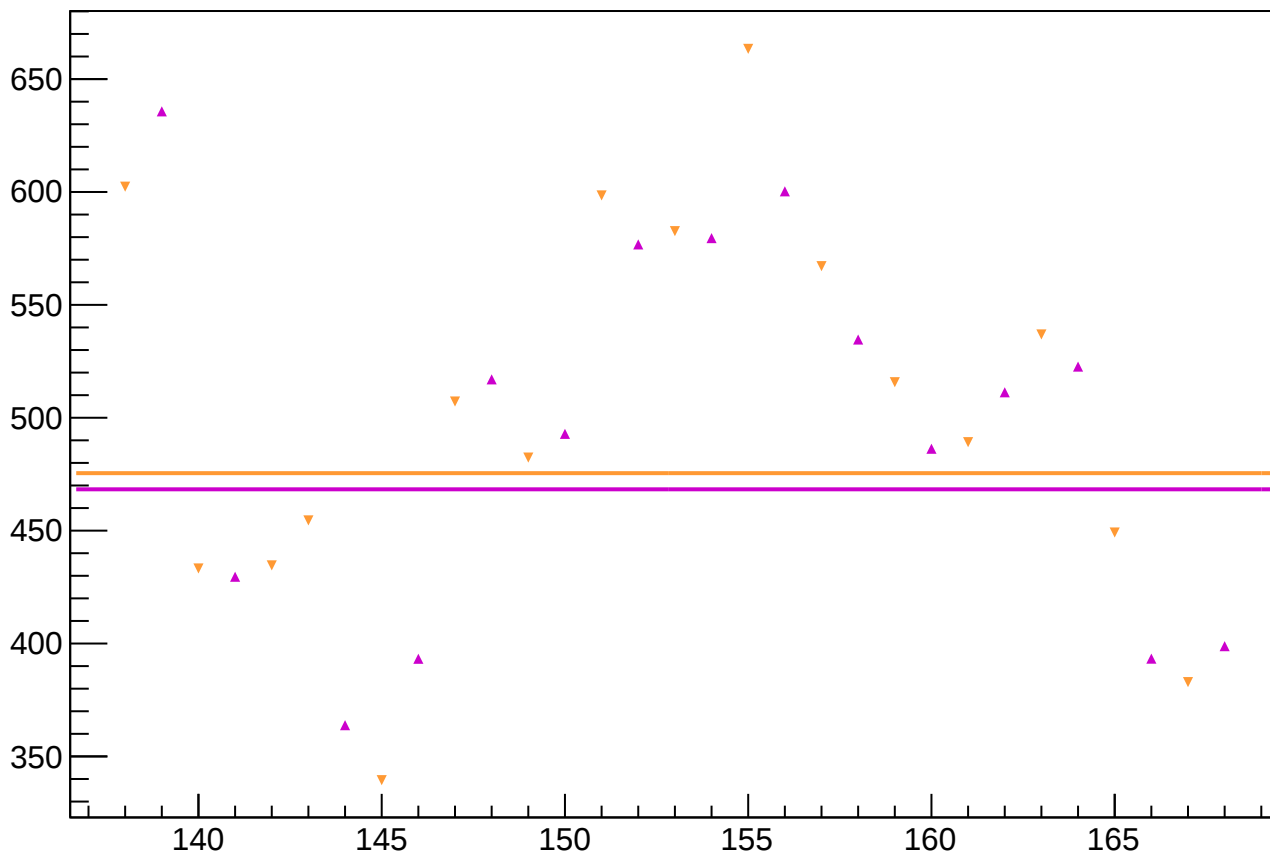
Left In: 8.990 $\pm$ 139.075 χ^2 /NDF:12.4/14

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

All: -460.895 $\pm$ 98.734 χ^2 /NDF: 65.1/30

- sign 0.000 $\pm$ 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: 475.462+/-0.099 χ^2/NDF : 753592.6/15

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

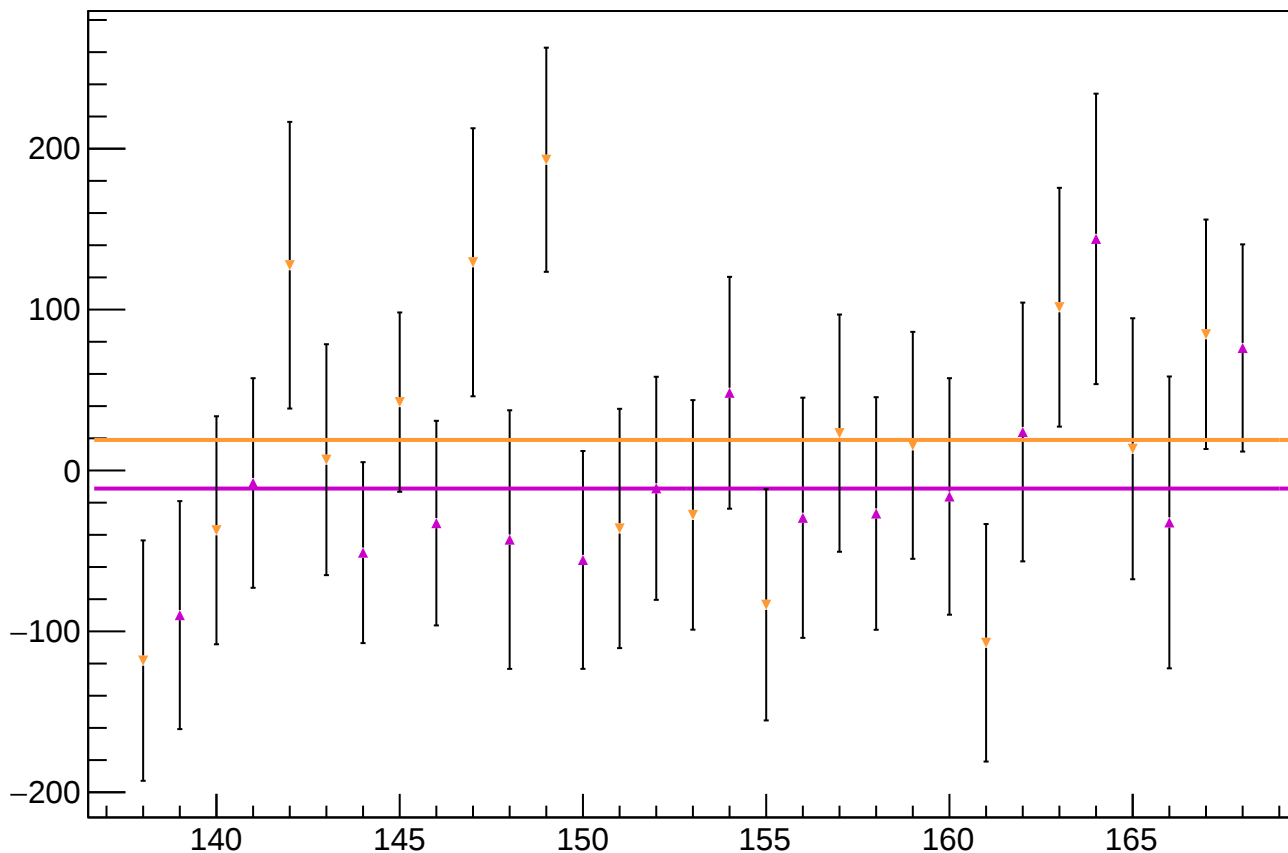
Left In: 468.303+/-0.098 χ^2/NDF : 666003.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 471.854+/-0.070 χ^2/NDF : 1422224.4/30

- 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: 18.984 $\pm$ 18.135 χ^2 /NDF:21.7/15

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

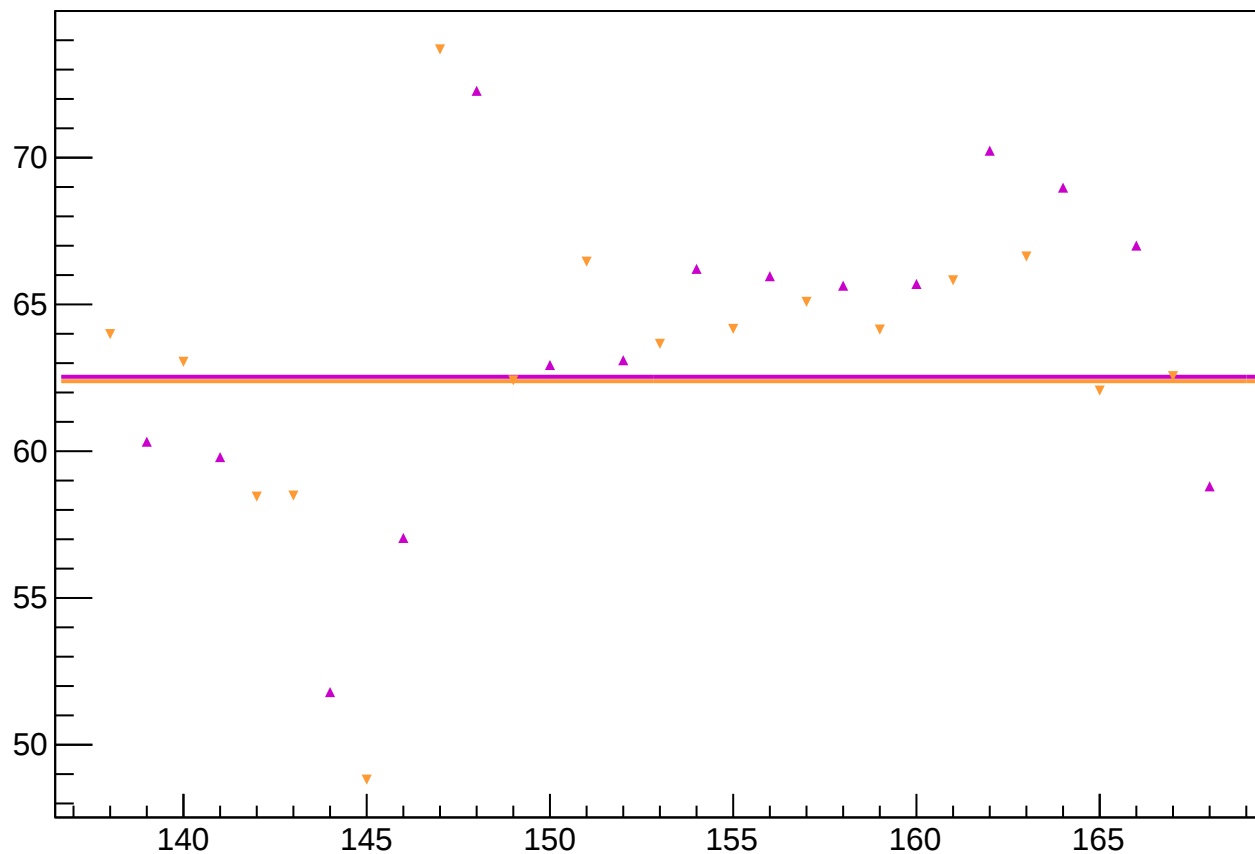
Left In: -11.232 $\pm$ 18.355 χ^2 /NDF:8.3/14

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

All: 4.057 $\pm$ 12.900 χ^2 /NDF: 31.4/30

- 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: 62.385+/-0.013 χ^2/NDF :189102.8/15

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

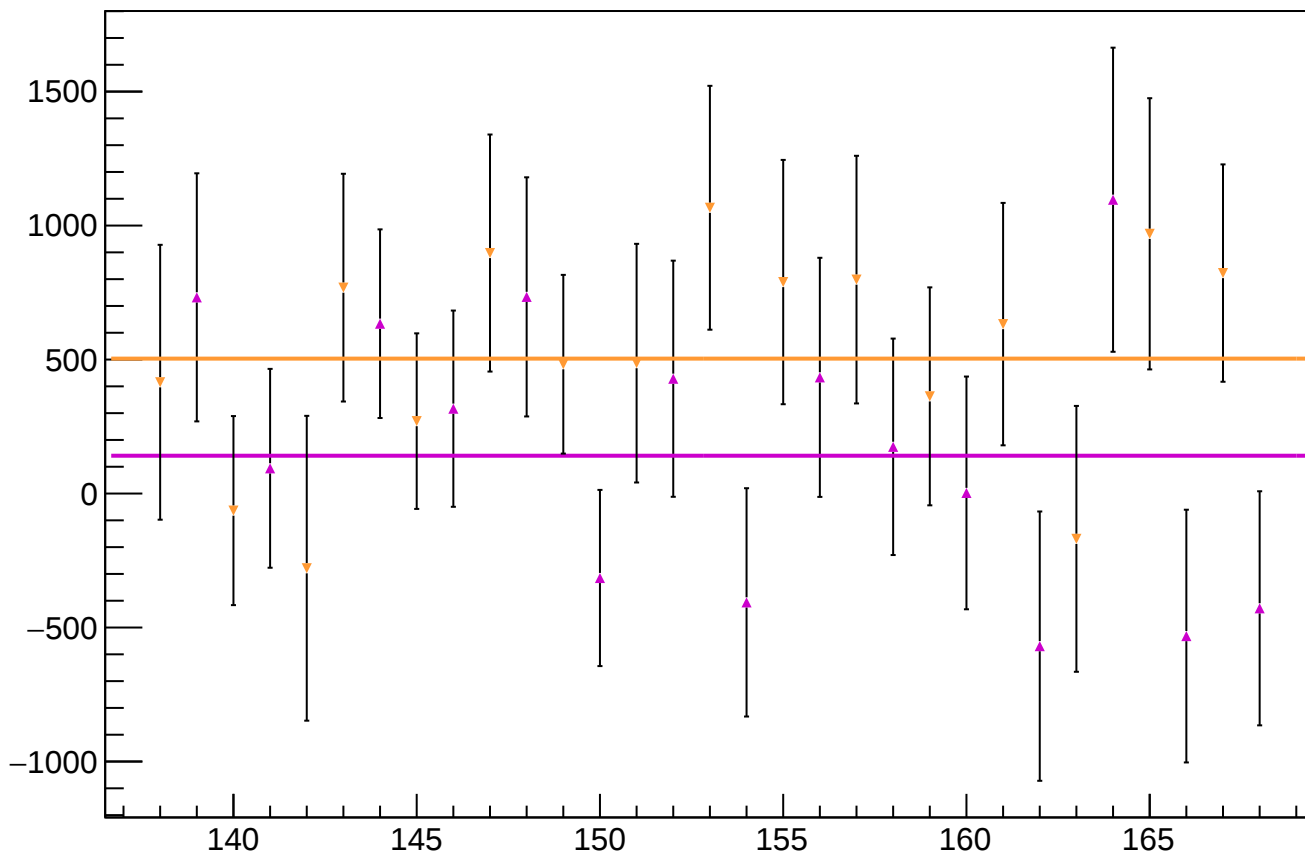
Left In: 62.536+/-0.013 χ^2/NDF :179874.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 62.459+/-0.009 χ^2/NDF : 369045.6/30

- 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: 503.489+/-106.453 χ^2/NDF : 12.0/15

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

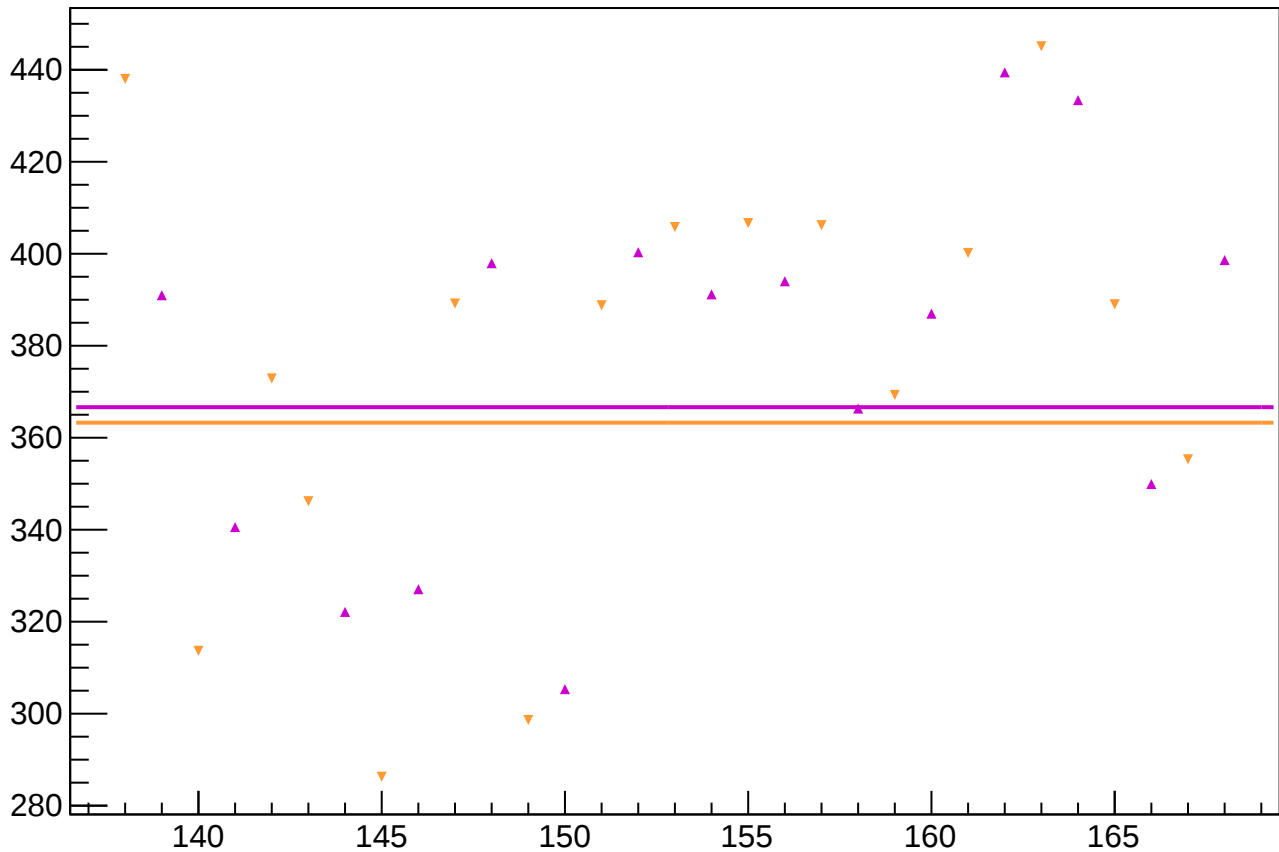
Left In: 141.131+/-108.044 χ^2/NDF : 18.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 324.999+/-75.830 χ^2/NDF : 36.5/30

- 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: 363.272+/-0.075 χ^2/NDF : 411888.3/15

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

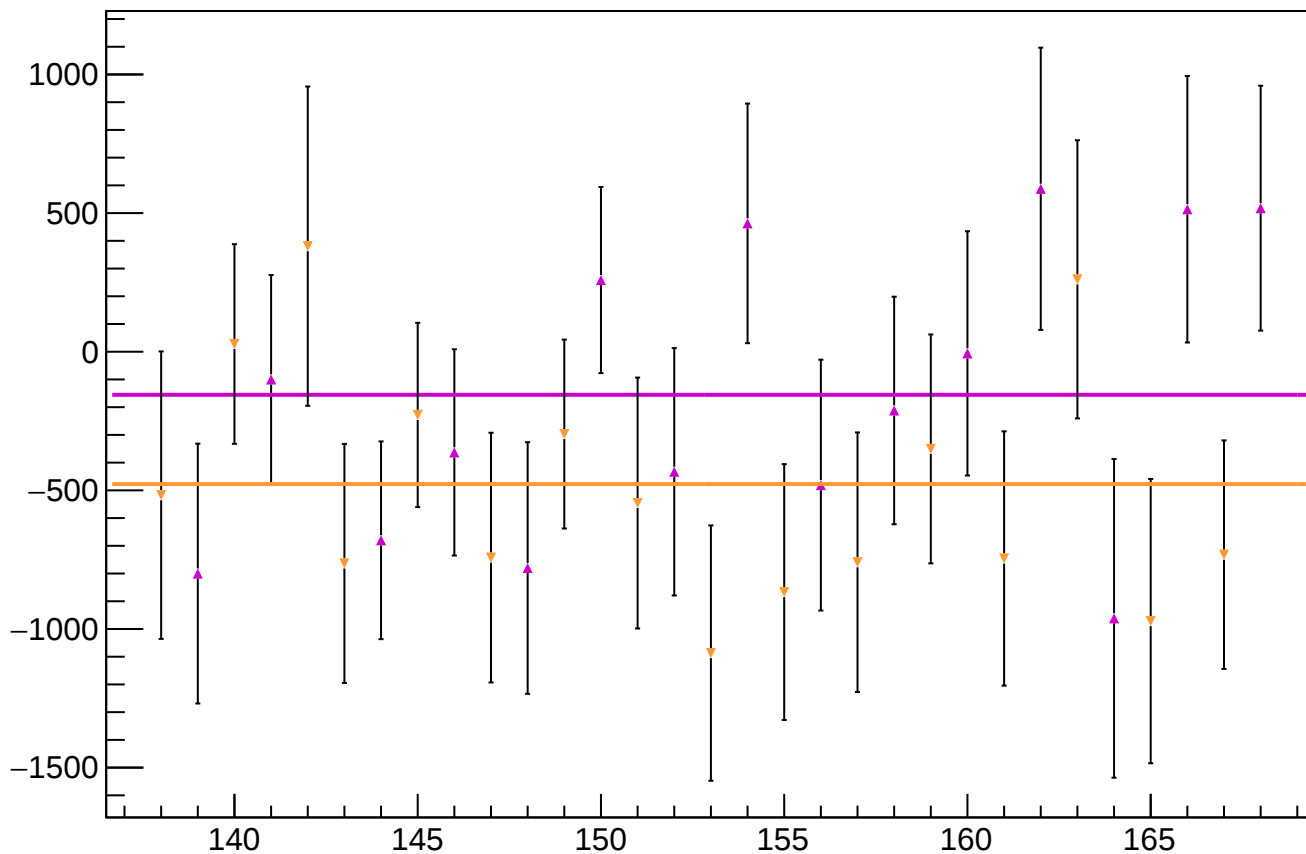
Left In: 366.646+/-0.076 χ^2/NDF : 263335.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 364.934+/-0.054 χ^2/NDF : 676213.0/30

- 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: -477.345 $\pm$ 108.098 χ^2 /NDF:12.6/15

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

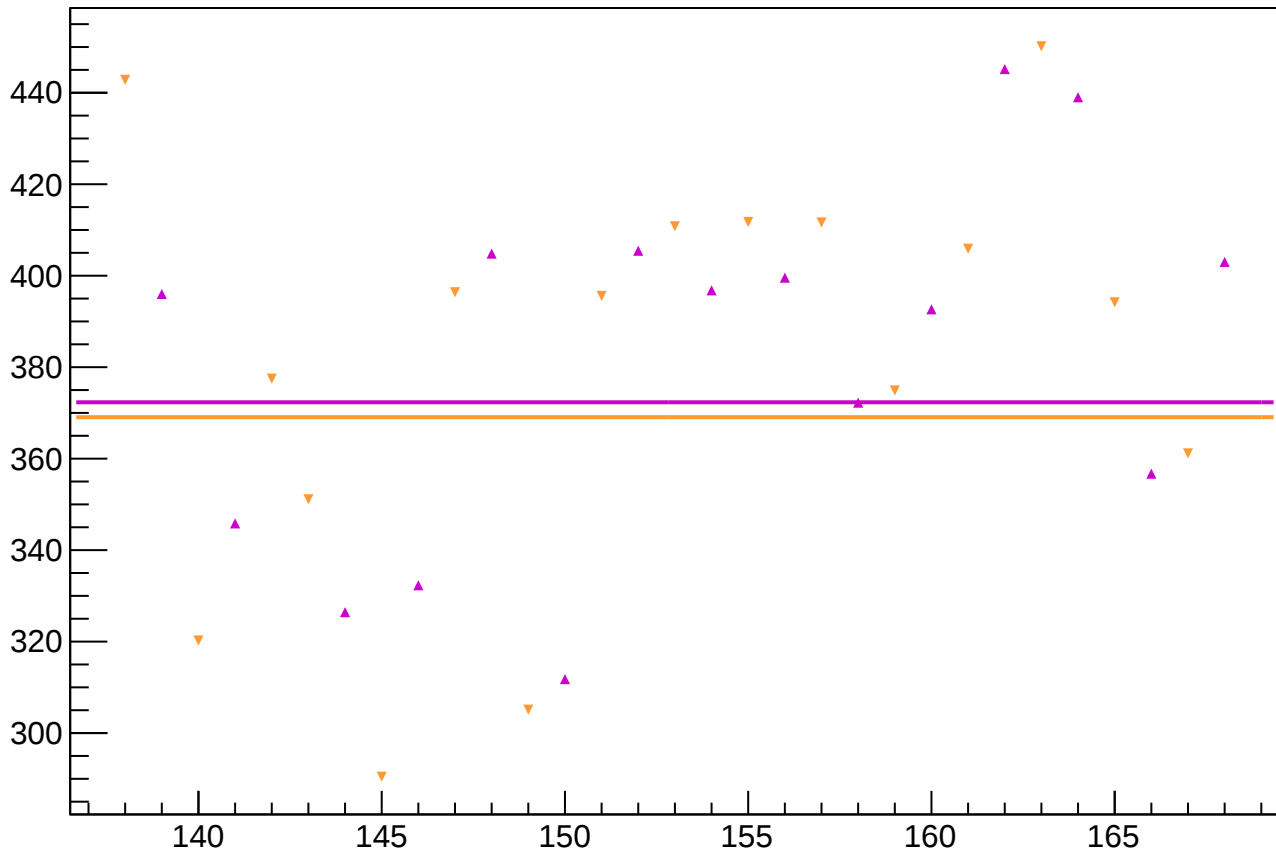
Left In: -155.336 $\pm$ 109.682 χ^2 /NDF:19.3/14

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

All: -318.682 $\pm$ 76.991 χ^2 /NDF: 36.2/30

- 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: 369.067+/-0.076 χ^2/NDF : 398913.1/15

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

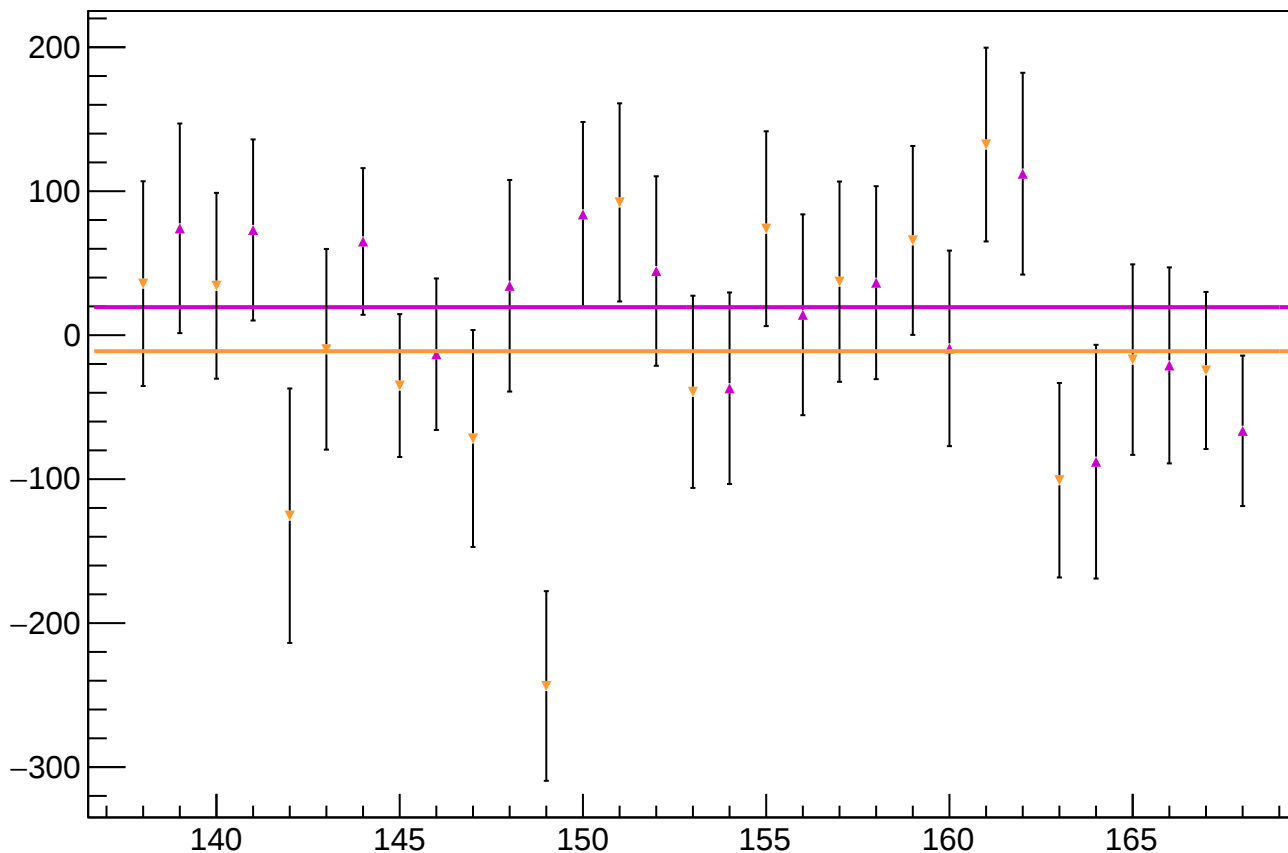
Left In: 372.324+/-0.078 χ^2/NDF : 255171.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 370.672+/-0.054 χ^2/NDF : 654979.1/30

- 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: -11.120 $\pm$ 16.479 χ^2 /NDF:28.2/15

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

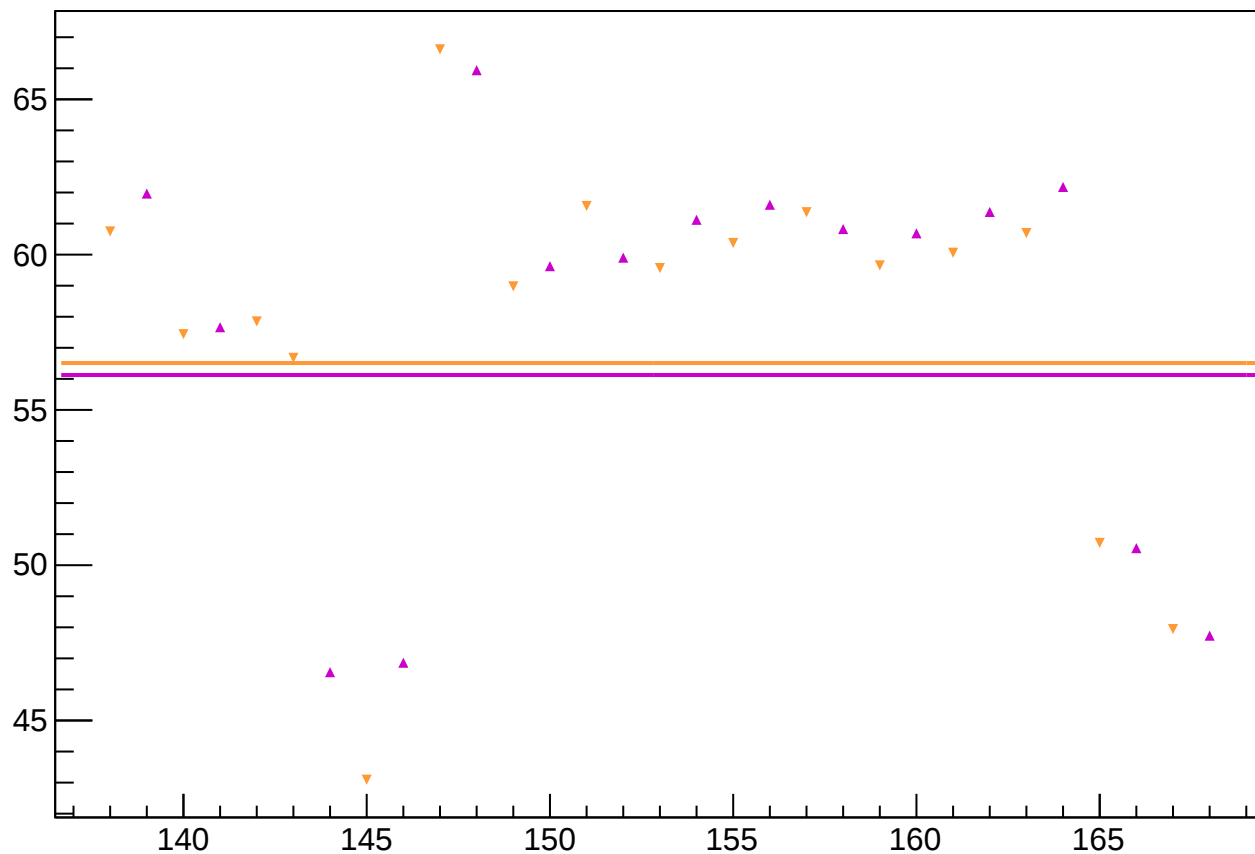
Left In: 19.469 $\pm$ 16.540 χ^2 /NDF:11.2/14

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

All: 4.118 $\pm$ 11.674 χ^2 /NDF: 41.1/30

- 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: 56.510+/-0.012 χ^2/NDF : 306735.9/15

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

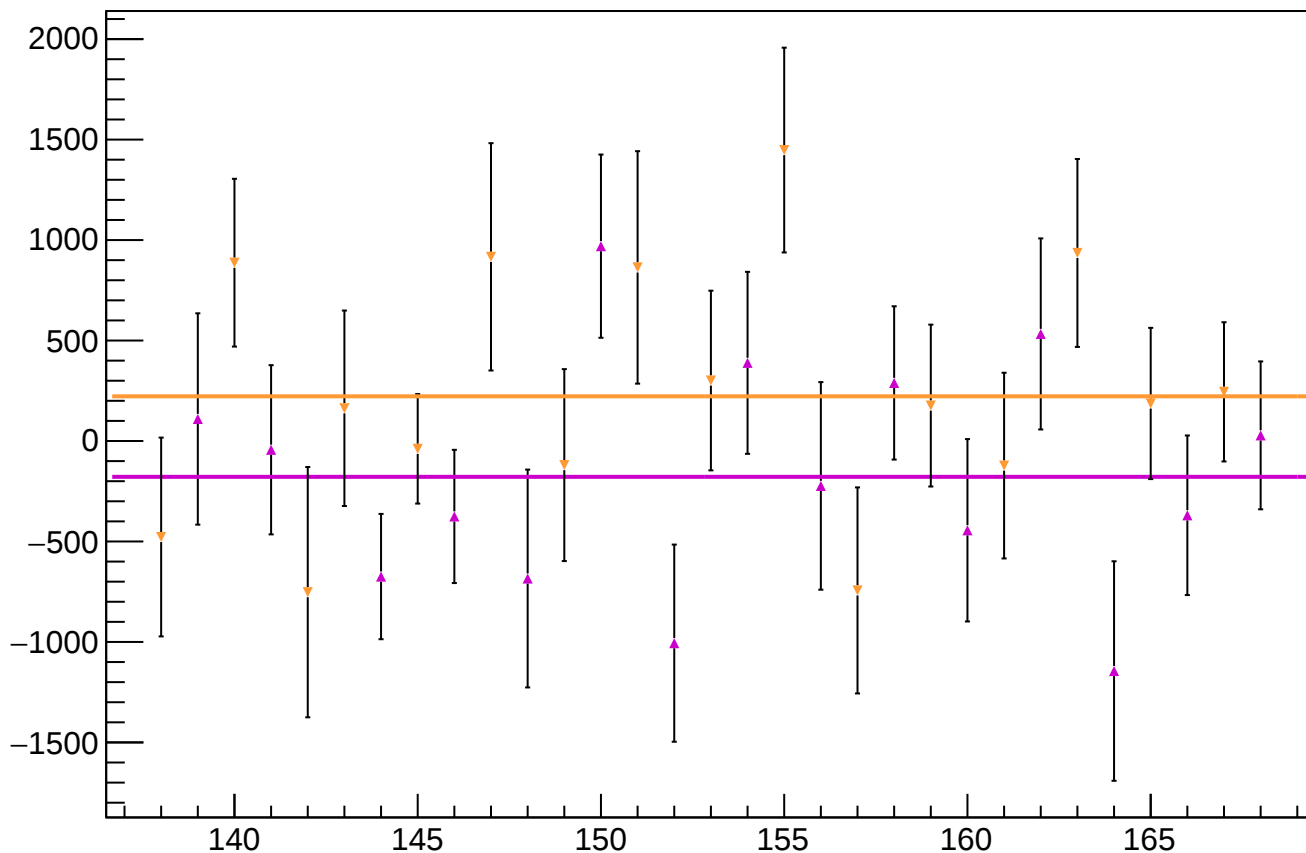
Left In: 56.124+/-0.012 χ^2/NDF : 324752.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 56.318+/-0.008 χ^2/NDF : 632035.2/30

- 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: 222.341 $\pm$ 109.069 χ^2 /NDF:23.4/15

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

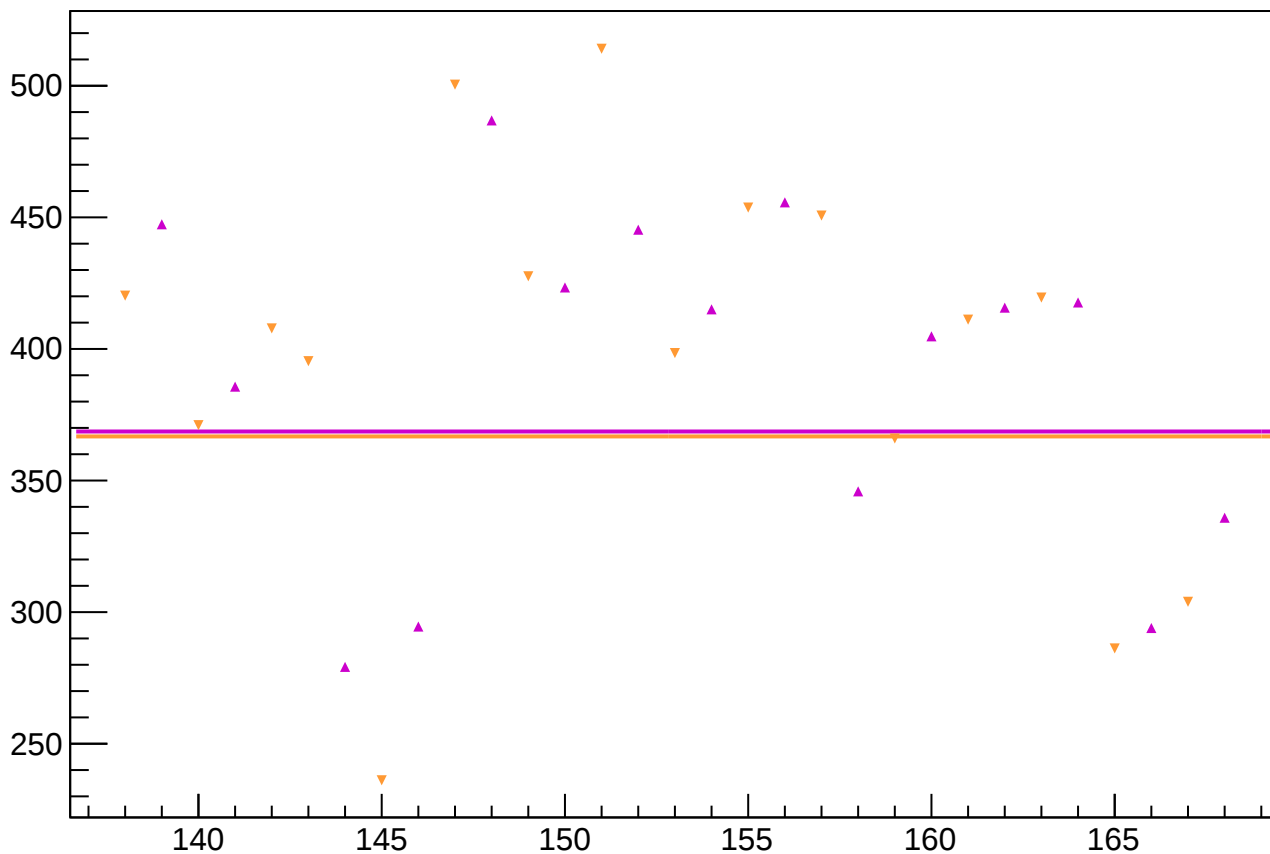
Left In: -178.302 $\pm$ 109.855 χ^2 /NDF:22.7/14

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

All: 23.458 $\pm$ 77.400 χ^2 /NDF: 52.8/30

- 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: 366.761+/-0.077 χ^2/NDF : 1095947.7/15

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

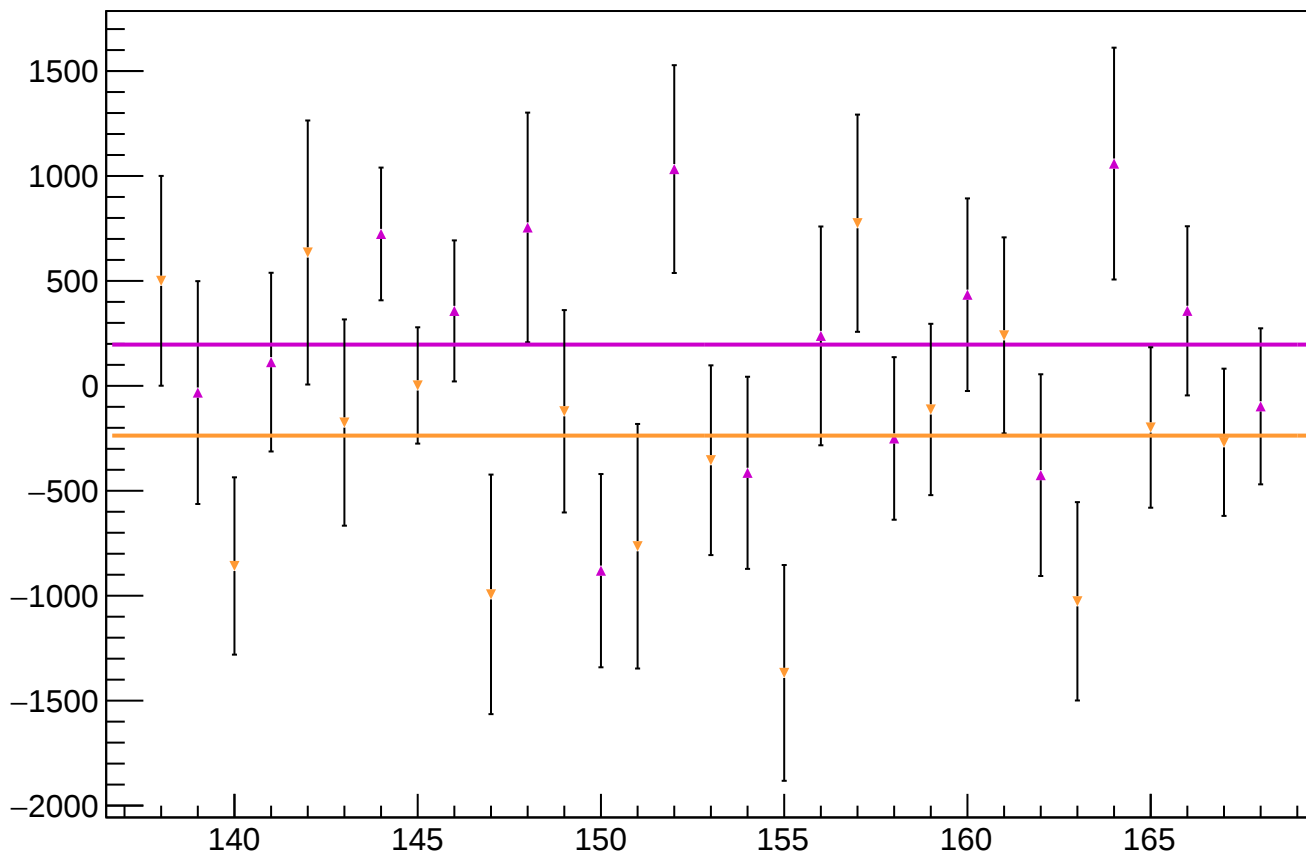
Left In: 368.635+/-0.078 χ^2/NDF : 705286.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 367.691+/-0.055 χ^2/NDF : 1801527.4/30

- 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: -237.073 $\pm$ 110.394 χ^2 /NDF:22.3/15

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

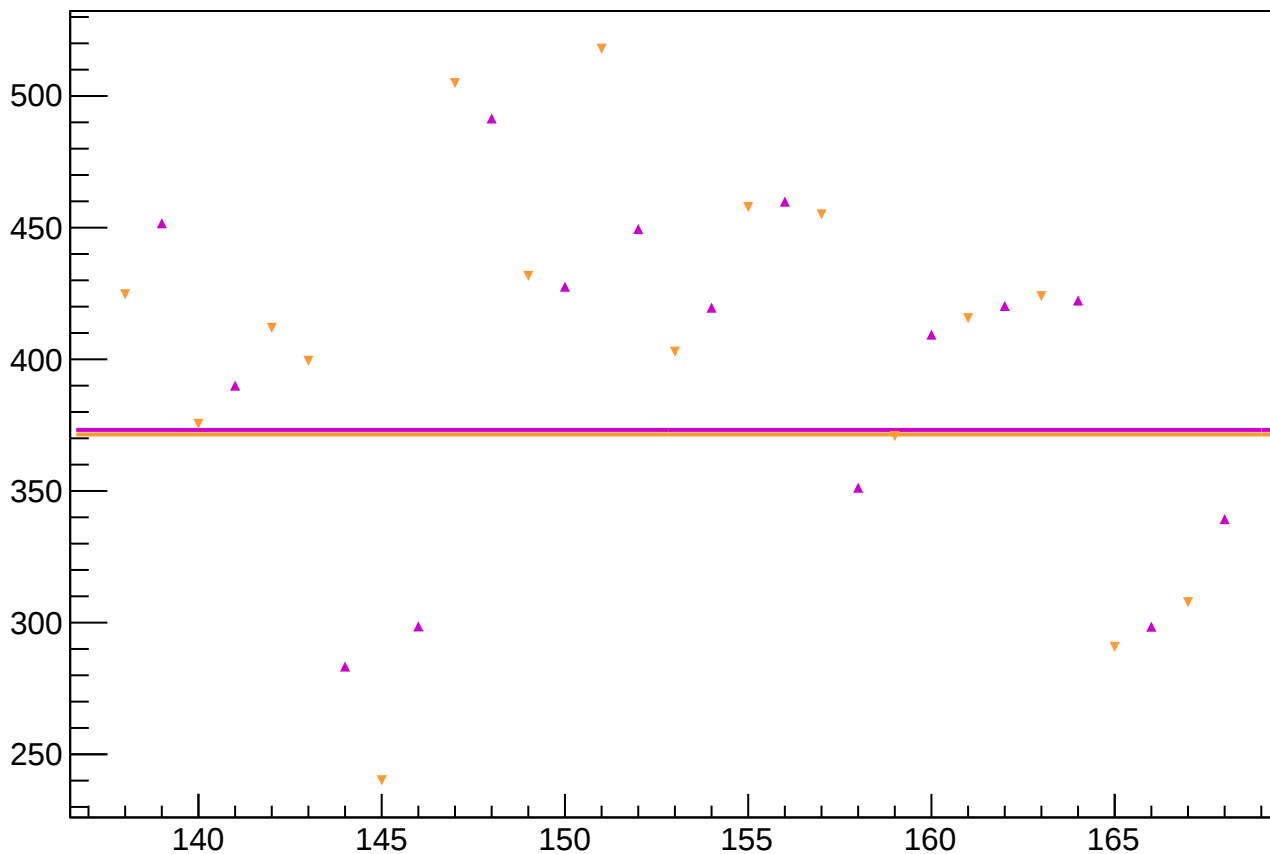
Left In: 196.545 $\pm$ 111.165 χ^2 /NDF:20.9/14

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

All: -21.774 $\pm$ 78.331 χ^2 /NDF: 50.9/30

- 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: 371.467+/-0.078 χ^2/NDF : 1069565.5/15

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

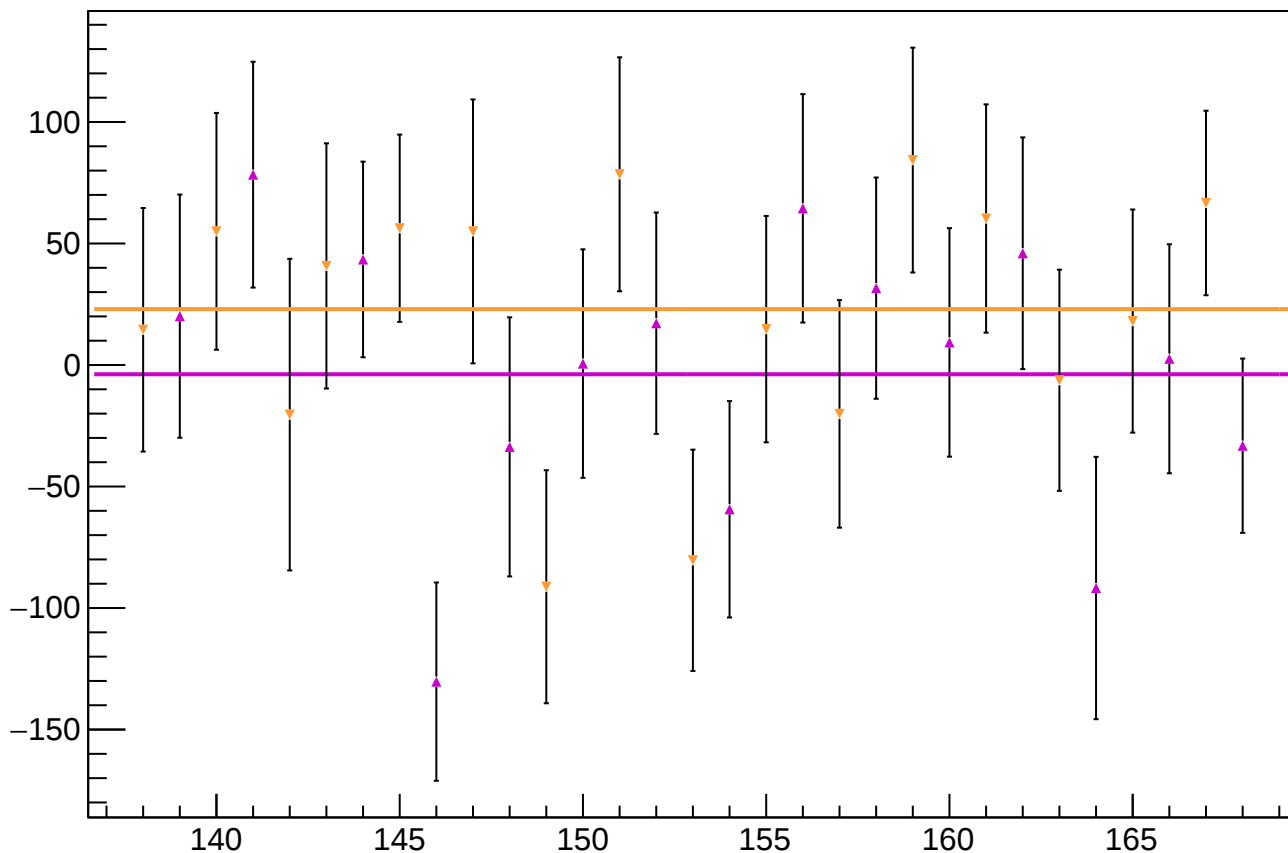
Left In: 373.193+/-0.079 χ^2/NDF : 690835.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 372.324+/-0.055 χ^2/NDF : 1760643.8/30

- 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: 23.018 $\pm$ 11.699 χ^2 /NDF:19.3/15

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

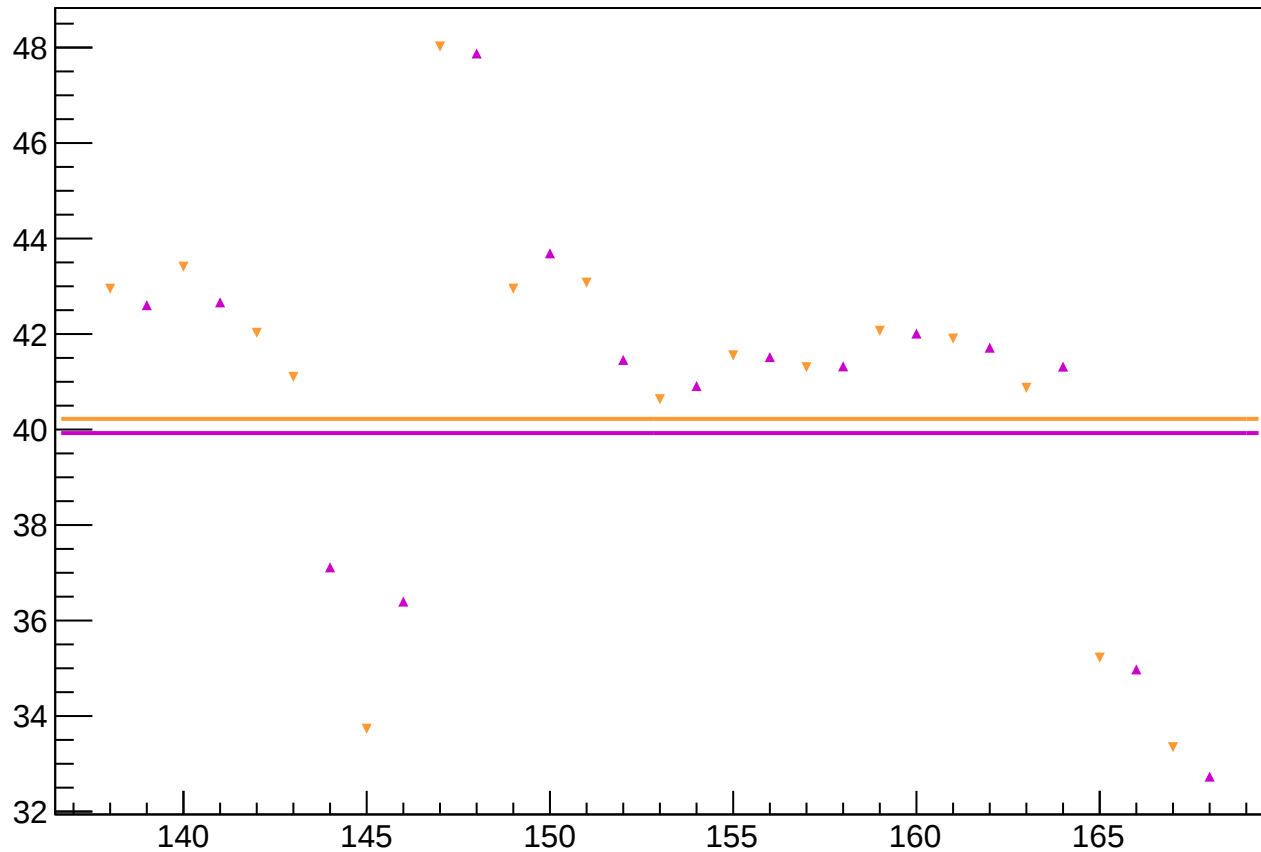
Left In: -3.802 $\pm$ 11.728 χ^2 /NDF:23.7/14

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

All: 9.641 $\pm$ 8.283 χ^2 /NDF: 45.6/30

- 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: 40.224+/-0.008 χ^2/NDF : 226492.3/15

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

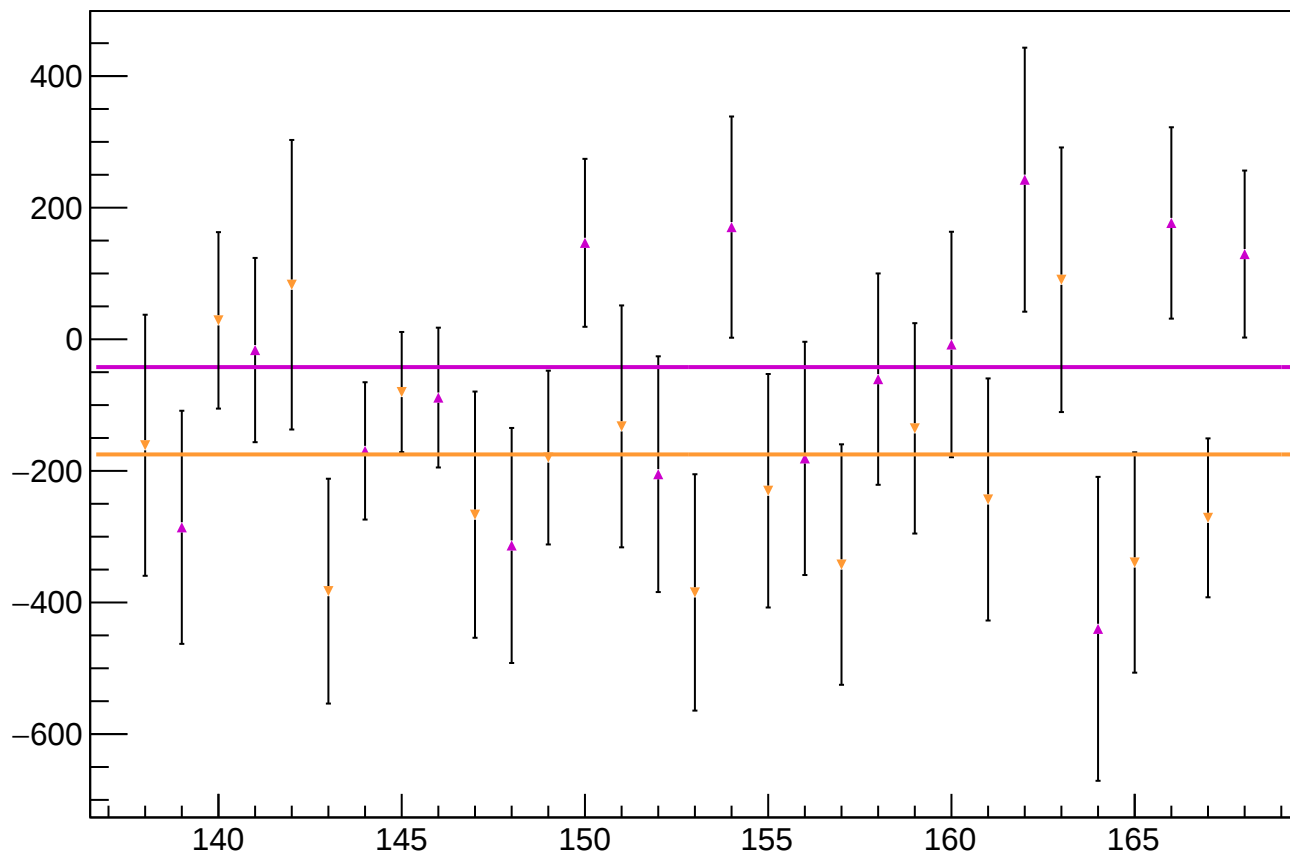
Left In: 39.926+/-0.008 χ^2/NDF : 212775.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 40.075+/-0.006 χ^2/NDF : 439913.6/30

- 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: -174.989+/-38.872 χ^2/NDF :12.4/15

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

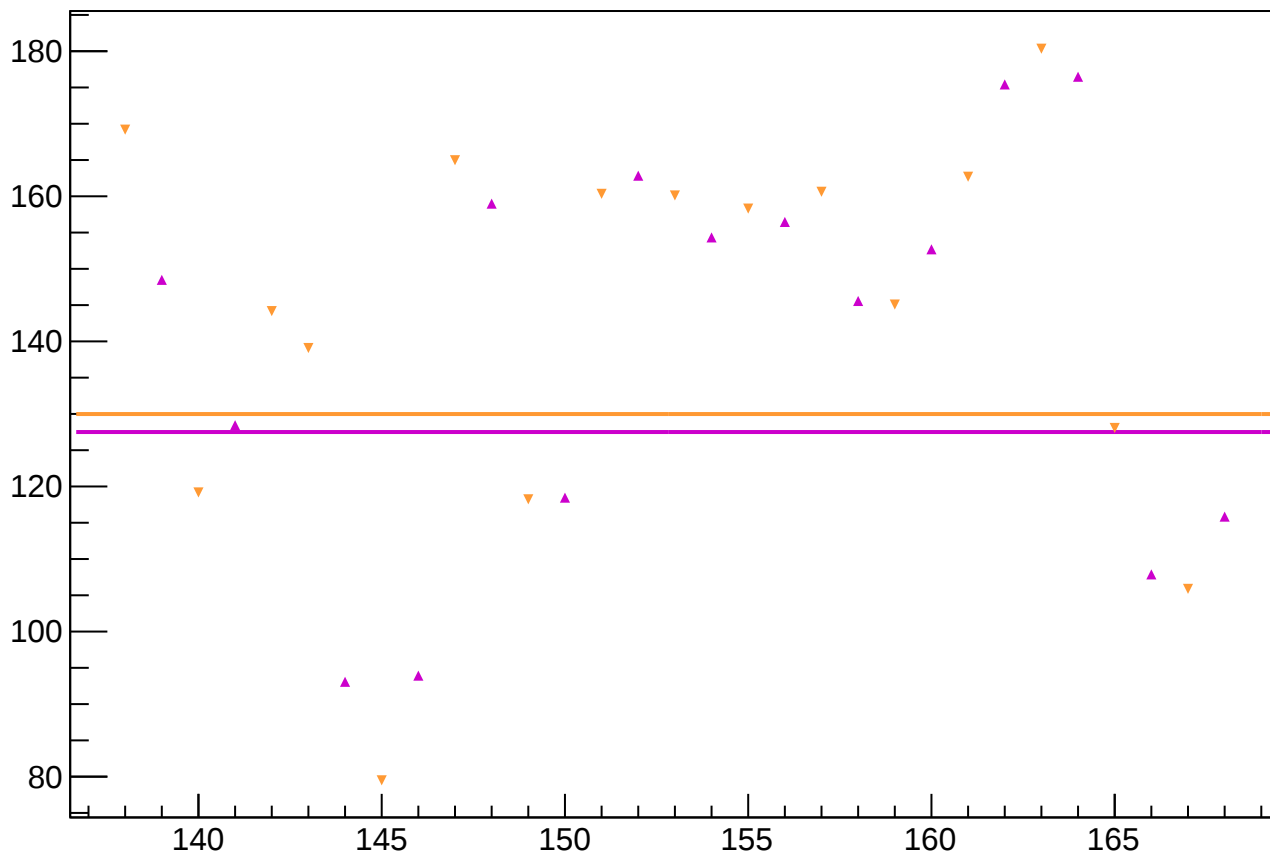
Left In: -42.262+/-38.340 χ^2/NDF :20.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -107.713+/-27.297 χ^2/NDF : 38.6/30

- 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: 129.984+/-0.027 χ^2/NDF :1307018.8/15

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

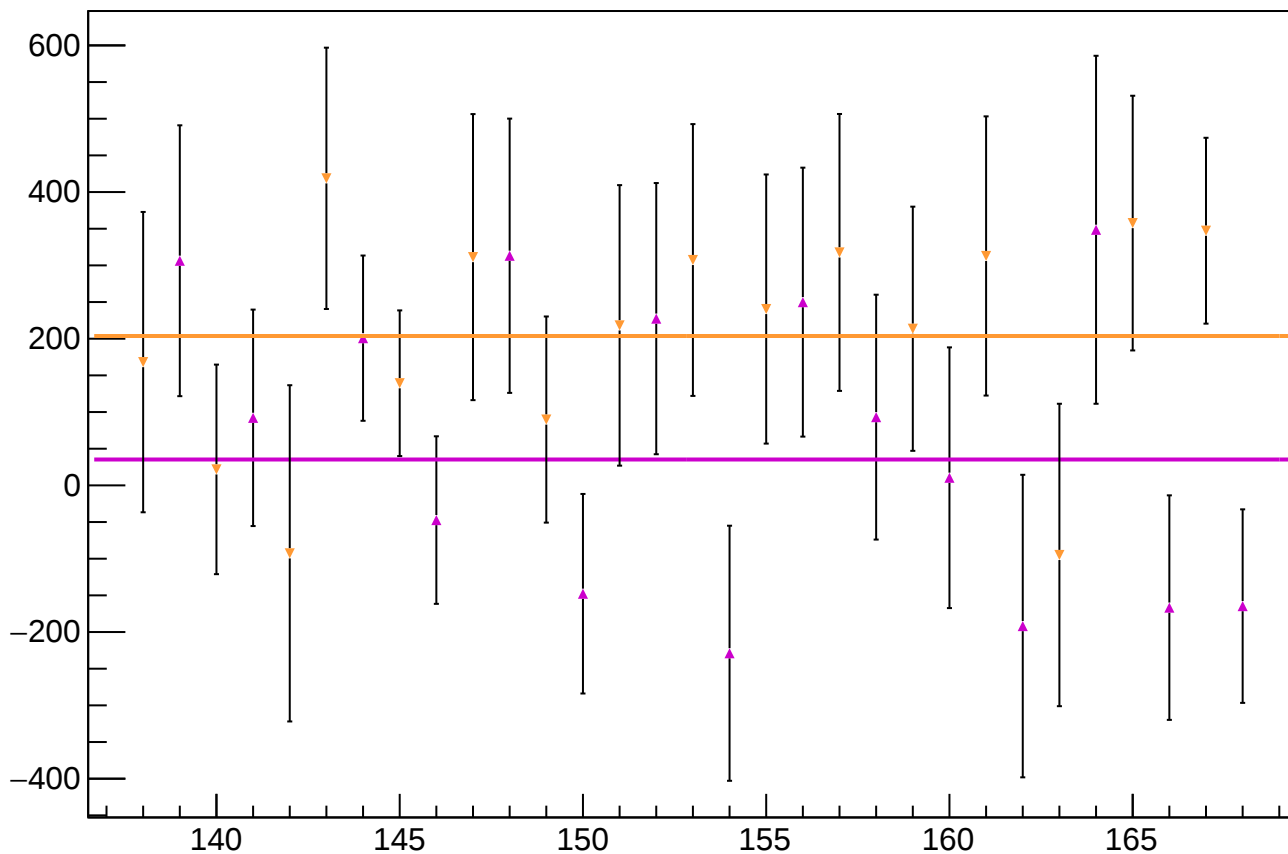
Left In: 127.504+/-0.027 χ^2/NDF :1025881.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 128.727+/-0.019 χ^2/NDF : 2337025.3/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 203.703+/-40.879 χ^2/NDF : 11.4/15

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

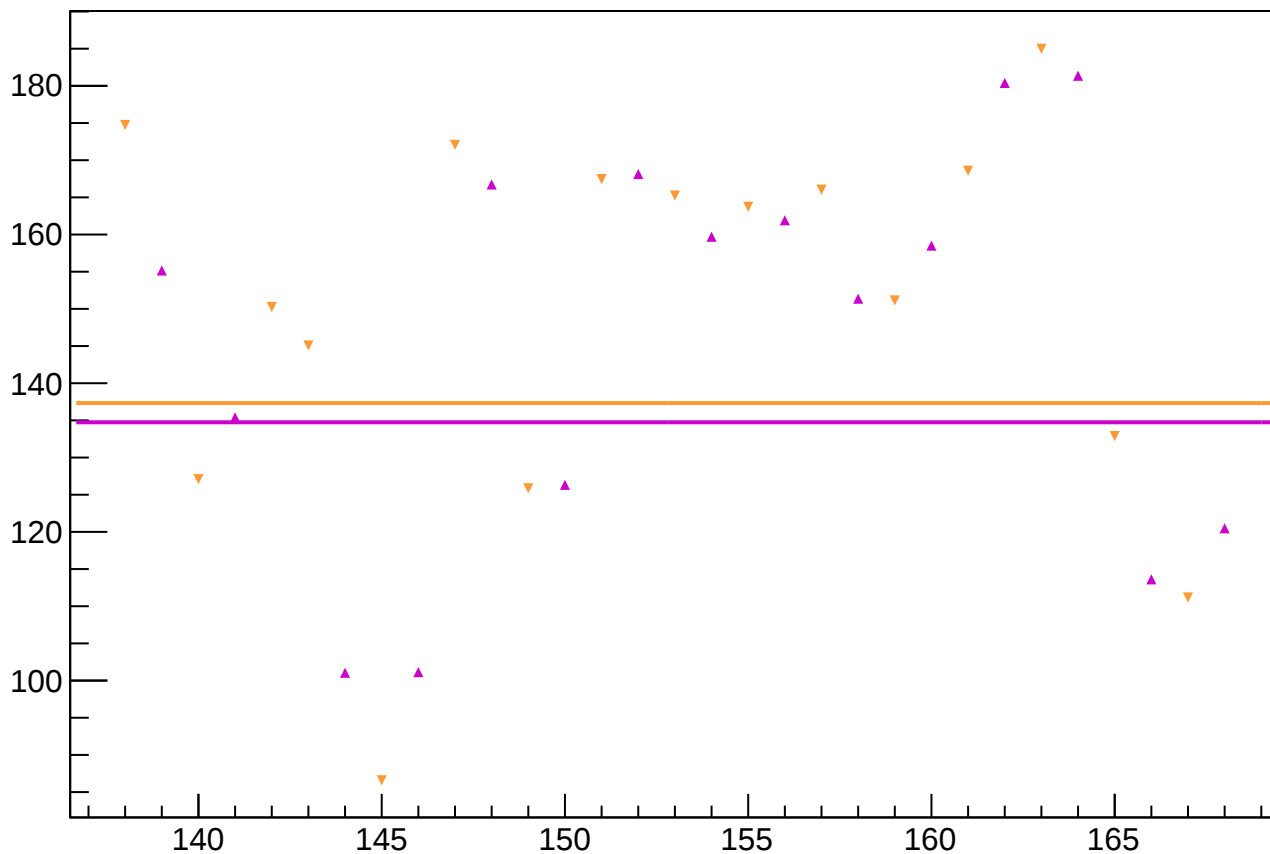
Left In: 35.277+/-40.353 χ^2/NDF : 20.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 118.399+/-28.718 χ^2/NDF : 40.9/30

- sign 0.000+/-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: 137.333+/-0.029 χ^2/NDF :1129516.2/15

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

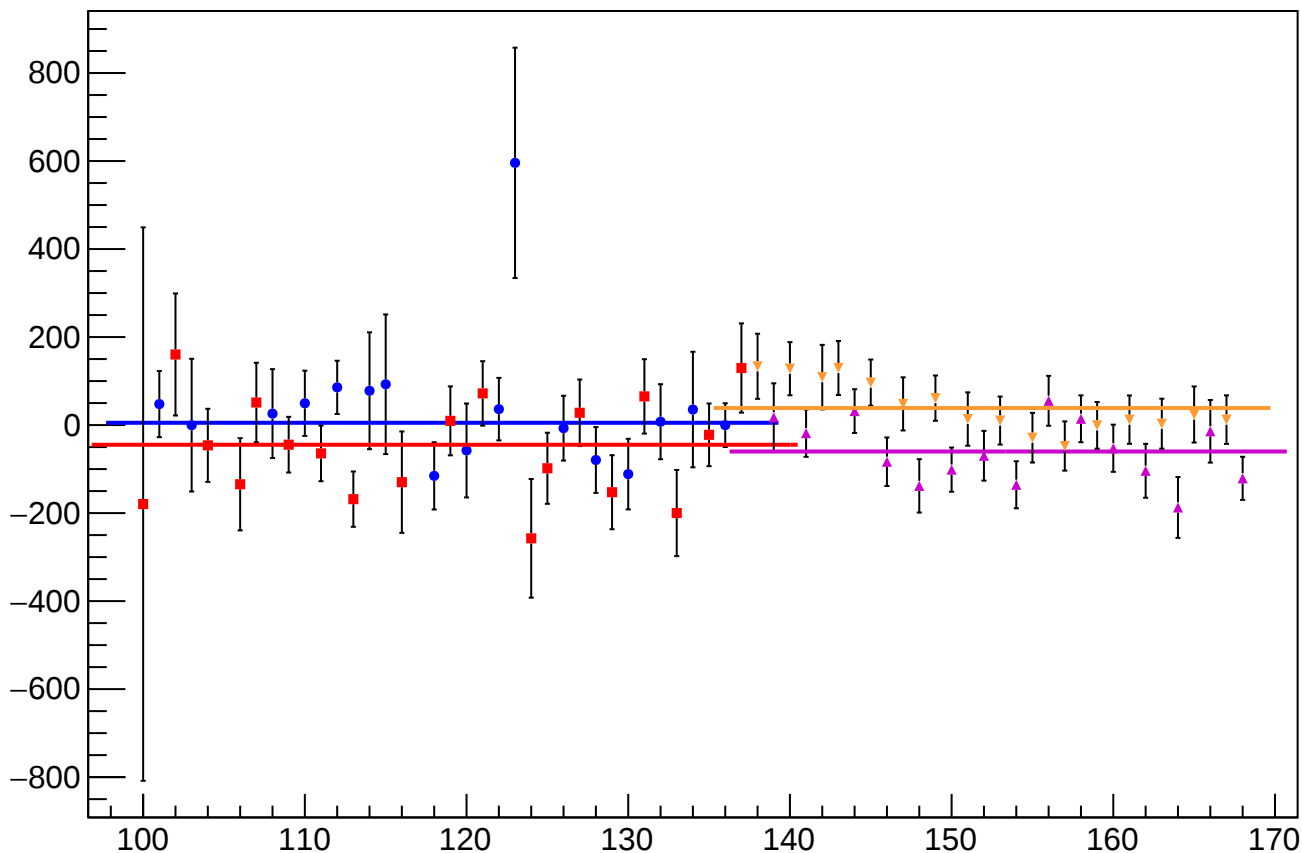
Left In: 134.744+/-0.029 χ^2/NDF :884990.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 136.021+/-0.020 χ^2/NDF : 2018568.6/30

- 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 $\chi^2/\text{NDF}: 14.7/16$

Left Out: 38.722 ± 14.525 $\chi^2/\text{NDF}: 14.1/15$

Right Out: -44.715 ± 19.410 $\chi^2/\text{NDF}: 24.4/18$

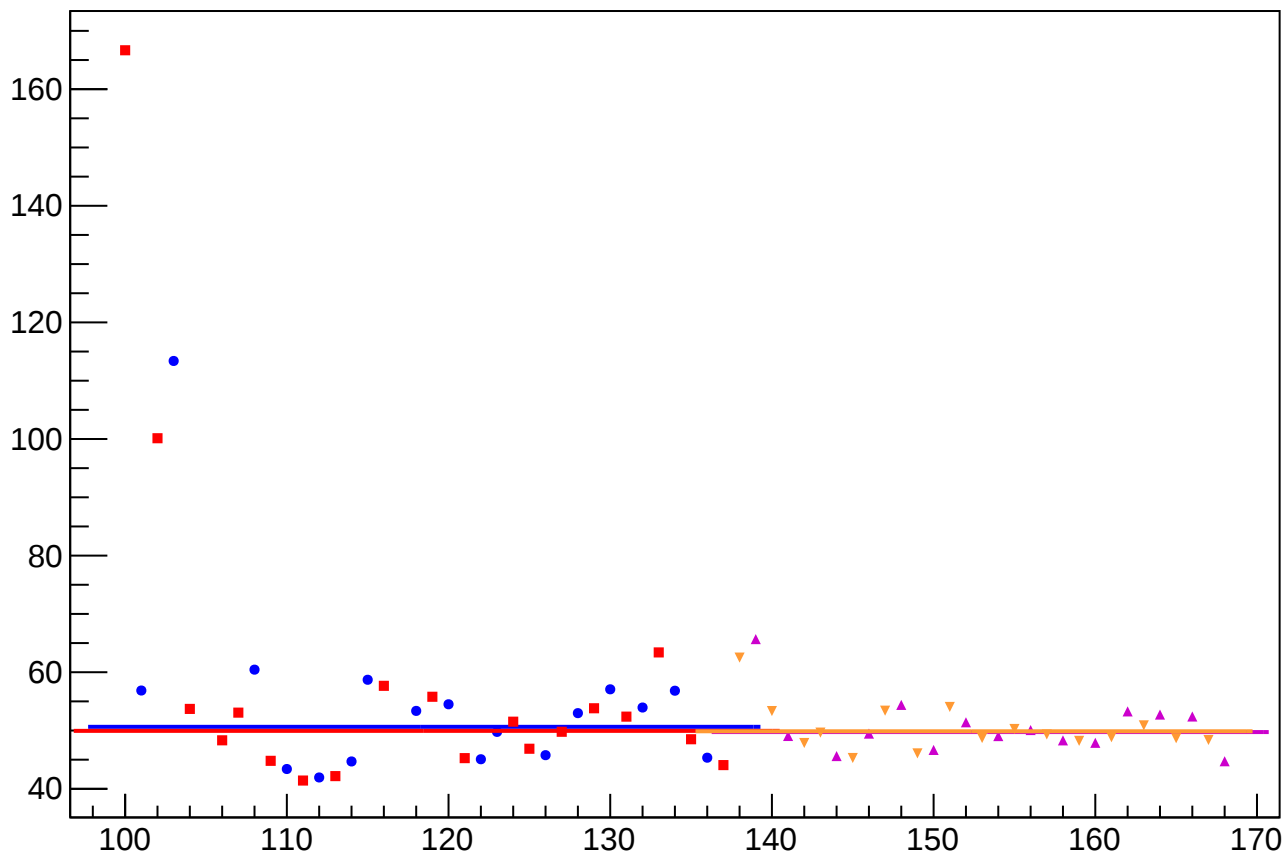
Left In: -60.057 ± 14.616 $\chi^2/\text{NDF}: 21.5/14$

+ sign 27.266 ± 11.783 $\chi^2/\text{NDF}: 30.6/32$

All: -13.993 ± 8.294 $\chi^2/\text{NDF}: 101.2/66$

- sign -54.506 ± 11.676 $\chi^2/\text{NDF}: 46.3/33$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.872 $\pm$ 0.010 χ^2 /NDF: 115564.4/15

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

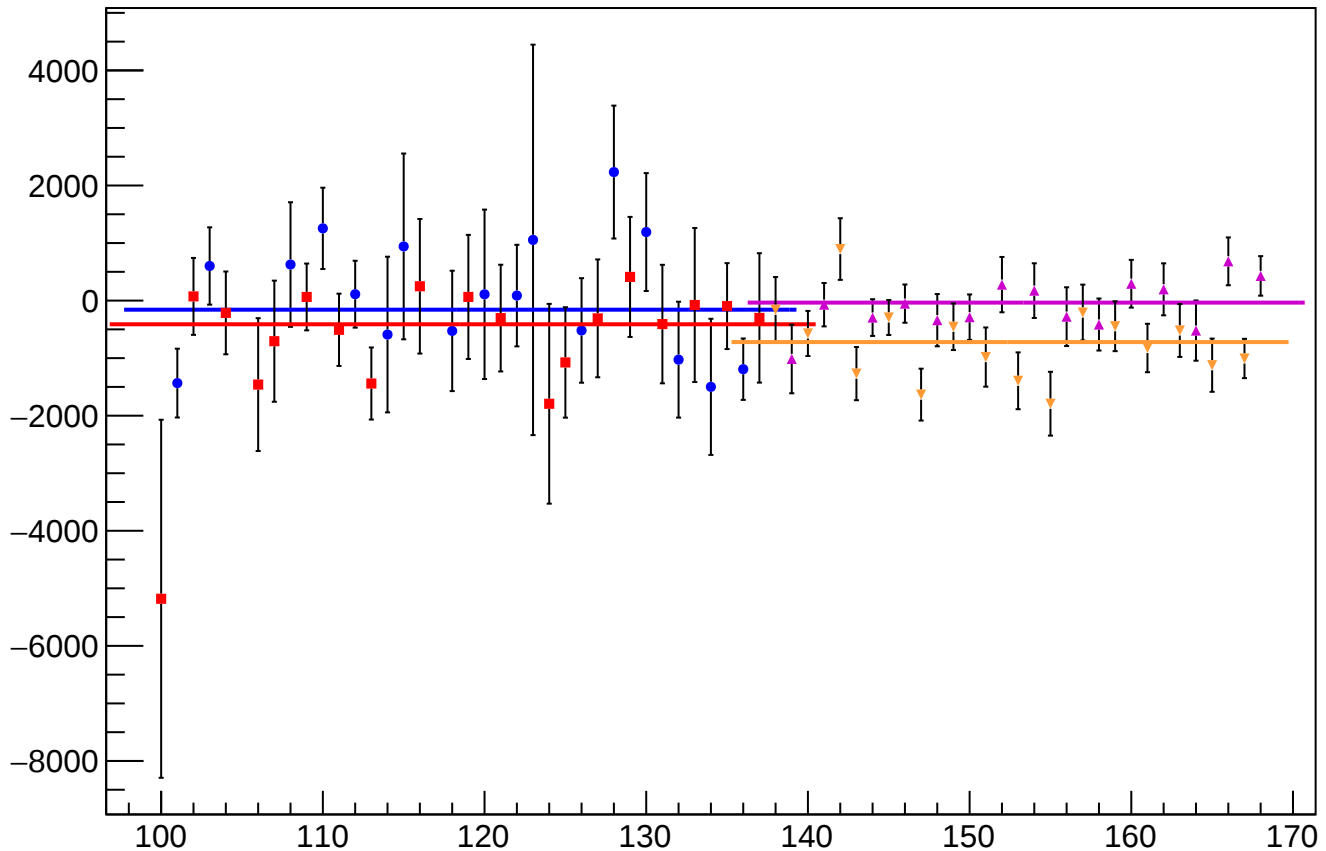
Left In: 49.736 $\pm$ 0.010 χ^2 /NDF: 158493.5/14

+ sign 50.133 $\pm$ 0.008 χ^2 /NDF: 637137.5/32

All: 49.970 $\pm$ 0.006 χ^2 /NDF: 1297018.5/66

- sign 49.811 $\pm$ 0.008 χ^2 /NDF: 659127.2/33

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 ± 210.181 χ^2/NDF : 23.5/16

Left Out: -720.743 ± 109.107 χ^2/NDF : 27.2/15

Right Out: -411.611 ± 203.633 χ^2/NDF : 9.8/18

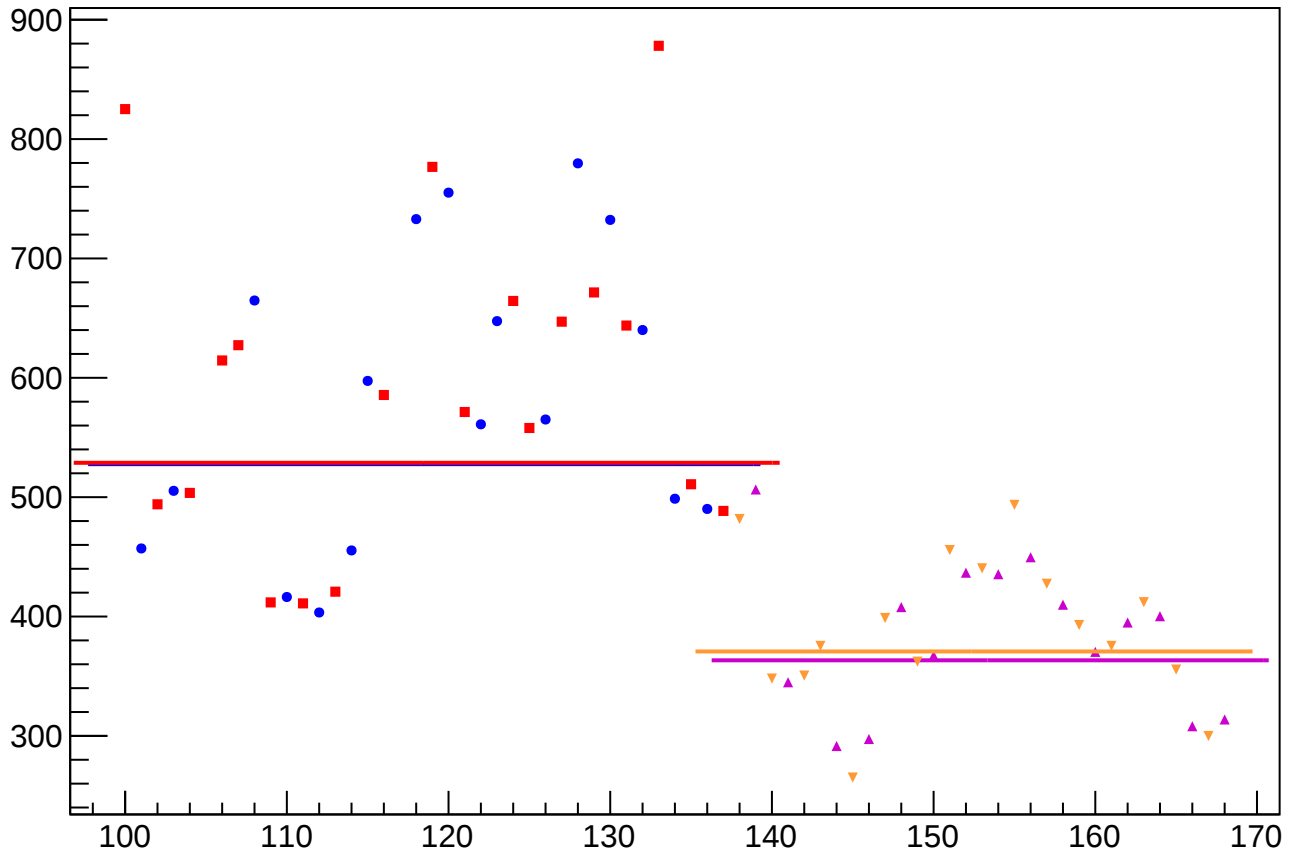
Left In: -35.071 ± 107.759 χ^2/NDF : 12.3/14

+ sign -601.288 ± 96.837 χ^2/NDF : 56.3/32

All: -355.359 ± 67.904 χ^2/NDF : 93.8/66

- sign -117.447 ± 95.245 χ^2/NDF : 24.8/33

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663 $\pm$ 0.149 χ^2/NDF : 557423.6/16

Left Out: 370.743 $\pm$ 0.077 χ^2/NDF : 666032.4/15

Right Out: 528.806 $\pm$ 0.144 χ^2/NDF : 623364.6/18

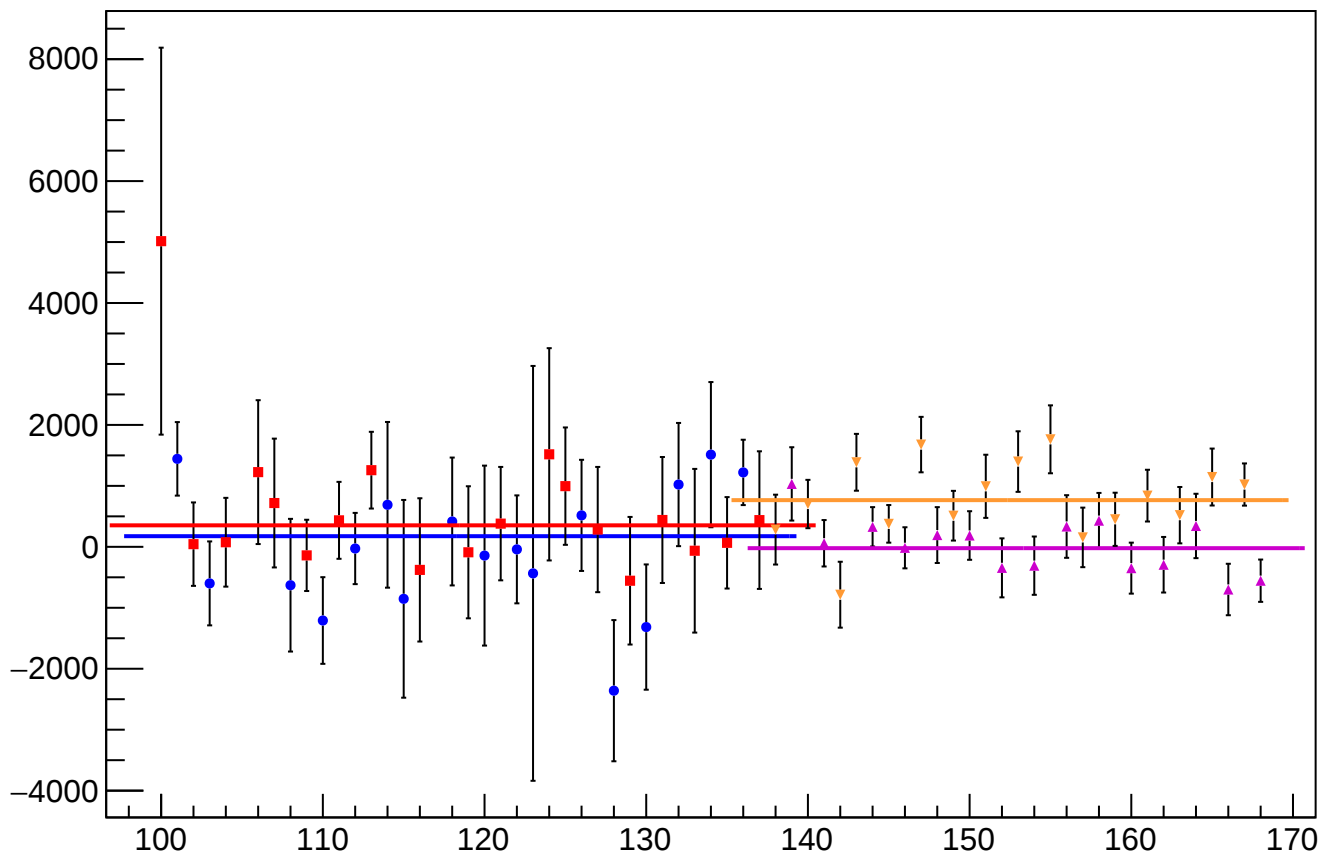
Left In: 363.315 $\pm$ 0.076 χ^2/NDF : 588092.0/14

+ sign 404.053 $\pm$ 0.068 χ^2/NDF : 2101620.4/32

All: 401.749 $\pm$ 0.048 χ^2/NDF : 4347255.3/66

- sign 399.520 $\pm$ 0.067 χ^2/NDF : 2243407.4/33

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 ± 211.662 χ^2/NDF : 23.7/16

Left Out: 765.918 ± 110.177 χ^2/NDF : 25.4/15

Right Out: 352.570 ± 205.204 χ^2/NDF : 8.4/18

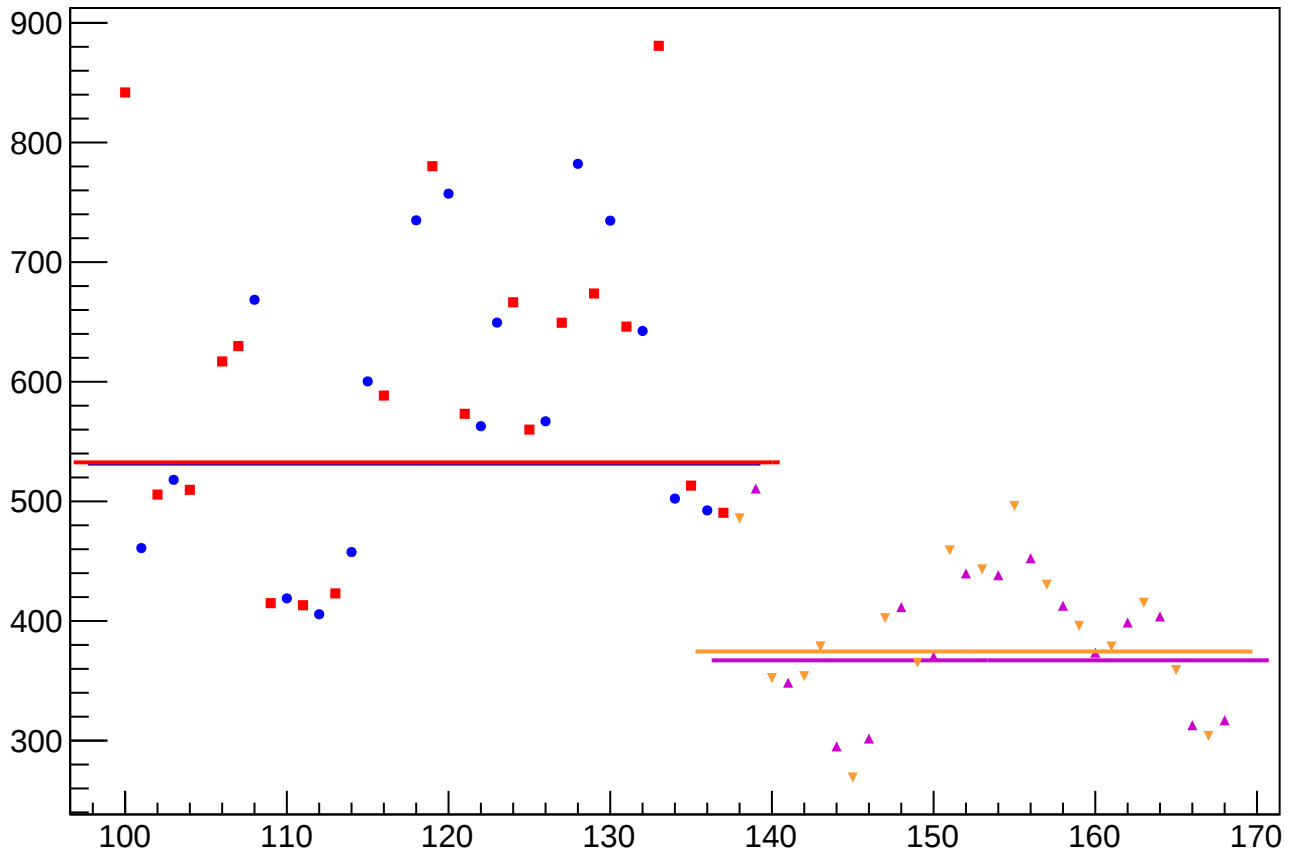
Left In: -22.079 ± 108.842 χ^2/NDF : 13.4/14

+ sign 639.856 ± 97.730 χ^2/NDF : 55.2/32

All: 345.307 ± 68.541 χ^2/NDF : 97.6/66

- sign 60.181 ± 96.154 χ^2/NDF : 24.5/33

asym_sam_1357_avg_rms vs Slug



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 374.547 $\pm$ 0.078 χ^2 /NDF: 645312.3/15

Right Out: 532.620 $\pm$ 0.145 χ^2 /NDF: 615746.2/18

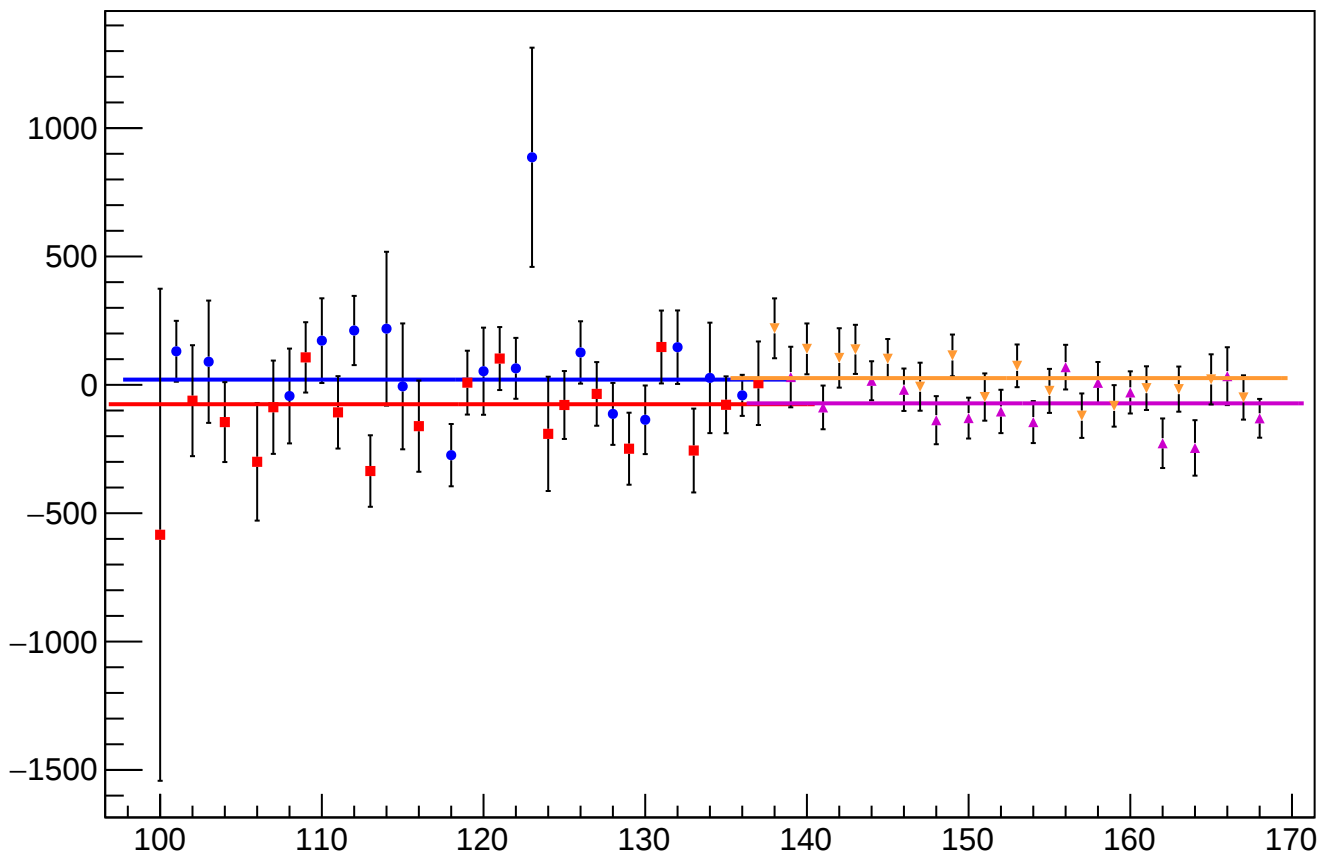
Left In: 367.116 $\pm$ 0.077 χ^2 /NDF: 571453.7/14

+ sign 408.020 $\pm$ 0.069 χ^2 /NDF: 2061264.6/32

All: 405.700 $\pm$ 0.048 χ^2 /NDF: 4266039.8/66

- sign 403.454 $\pm$ 0.068 χ^2 /NDF: 2202557.6/33

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 26.256 $\pm$ 22.440 χ^2 /NDF: 15.4/15

Right Out: -75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

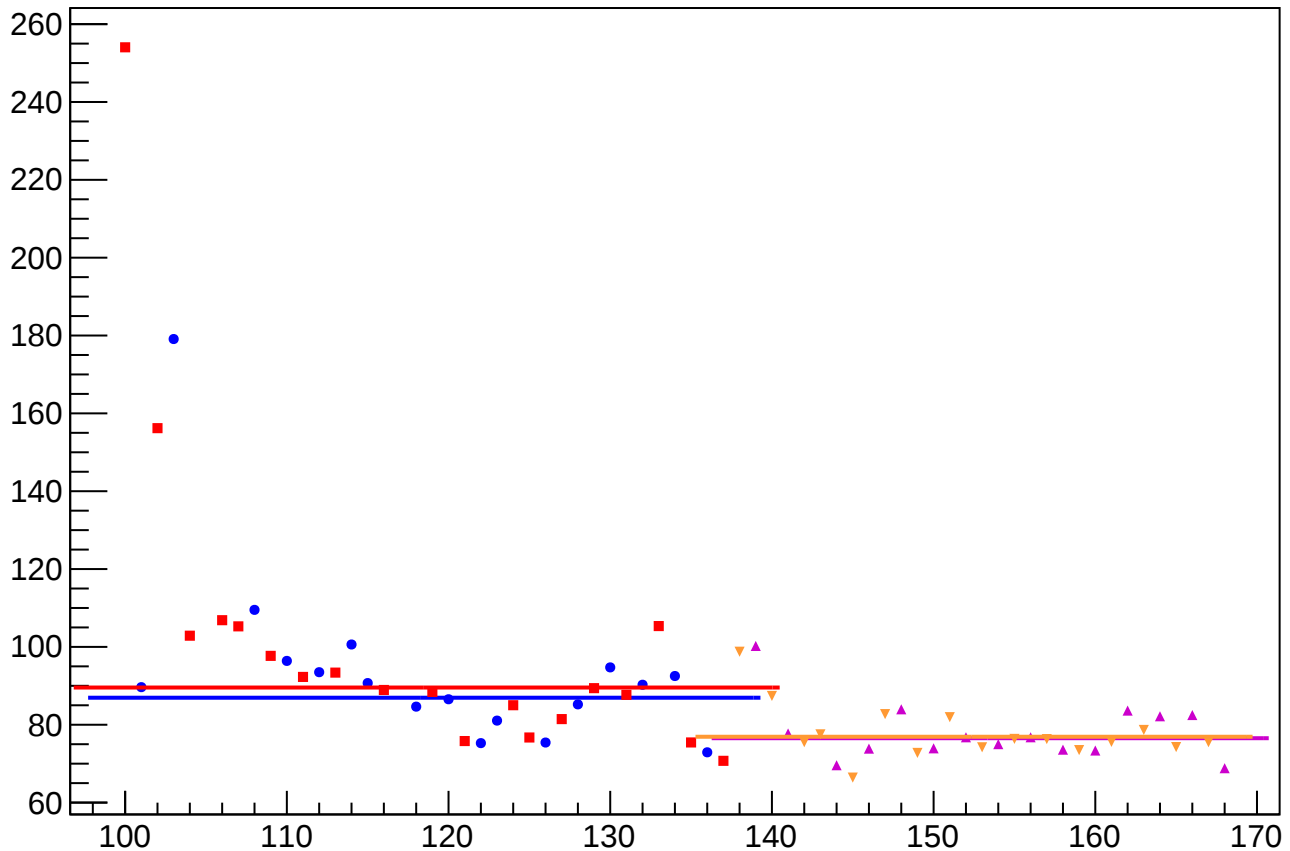
Left In: -72.075 $\pm$ 22.527 χ^2 /NDF: 15.0/14

+ sign 24.533 $\pm$ 18.824 χ^2 /NDF: 34.7/32

All: -24.090 $\pm$ 13.336 χ^2 /NDF: 78.5/66

- sign -73.077 $\pm$ 18.895 χ^2 /NDF: 30.4/33

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 76.916 $\pm$ 0.016 χ^2 /NDF: 158271.3/15

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

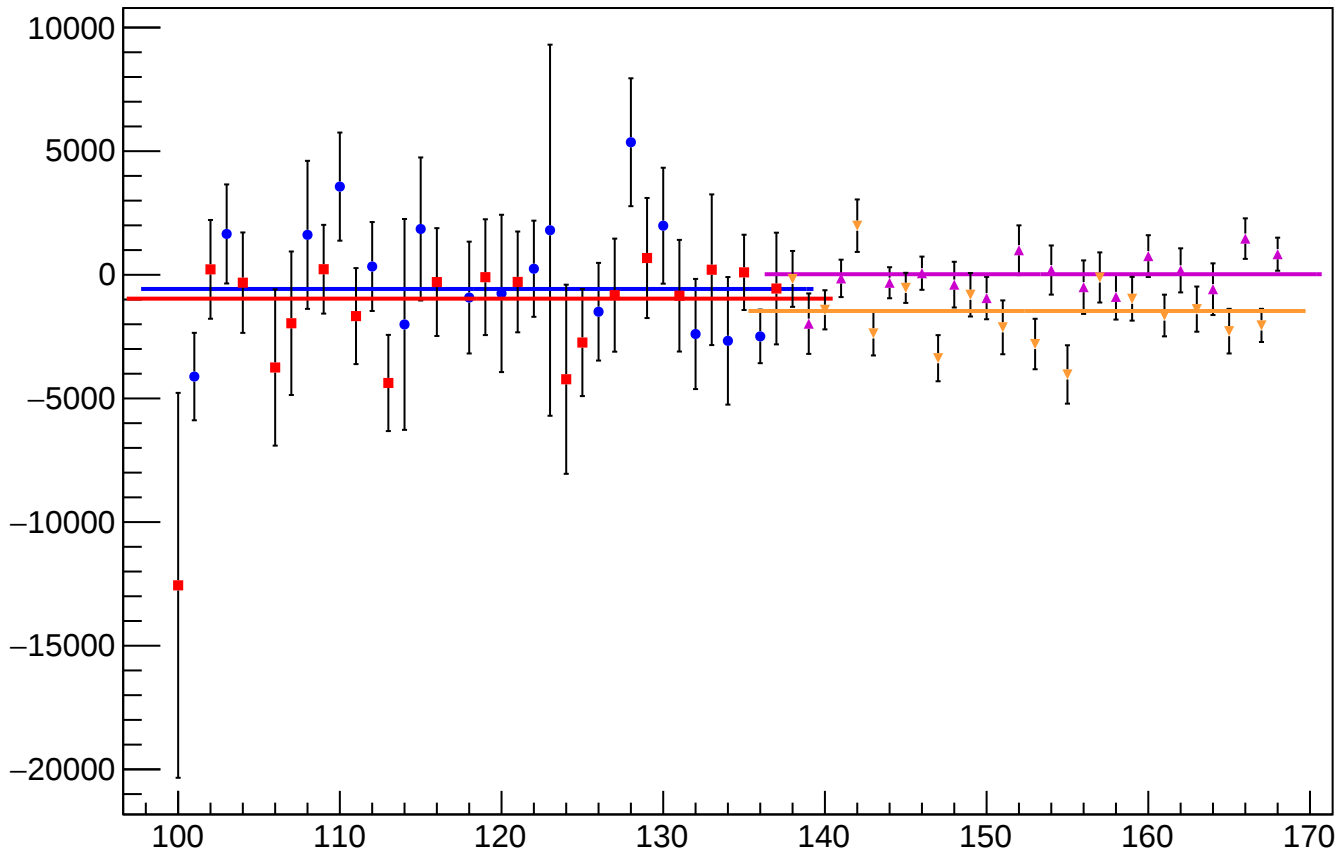
Left In: 76.540 $\pm$ 0.016 χ^2 /NDF: 163648.0/14

+ sign 79.887 $\pm$ 0.013 χ^2 /NDF: 732378.0/32

All: 80.143 $\pm$ 0.009 χ^2 /NDF: 1526125.2/66

- sign 80.401 $\pm$ 0.013 χ^2 /NDF: 793004.5/33

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -1463.400 ± 220.852 χ^2/NDF : 30.6/15

Right Out: -963.846 ± 514.621 χ^2/NDF : 10.1/18

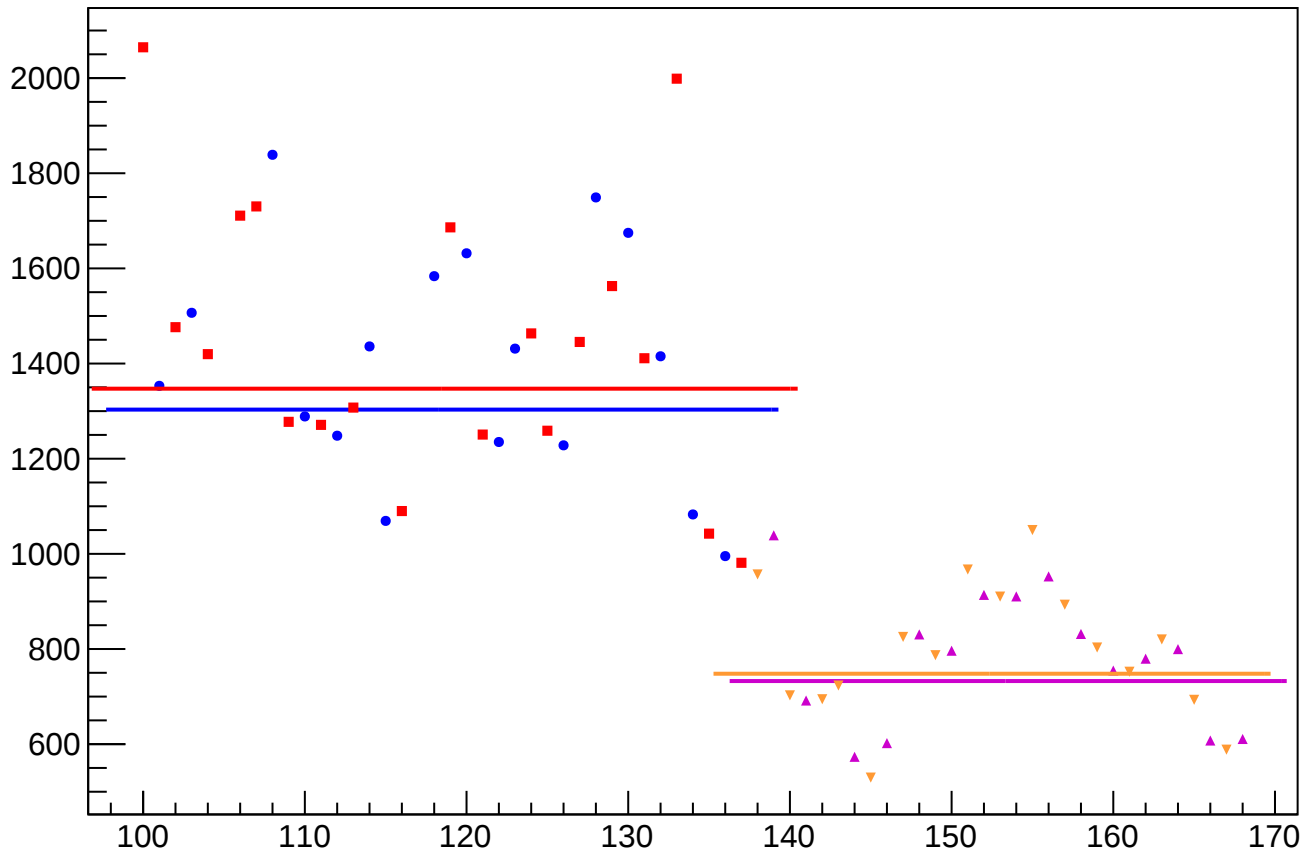
Left In: 23.825 ± 217.987 χ^2/NDF : 12.4/14

+ sign -1325.900 ± 203.098 χ^2/NDF : 55.0/32

All: -719.107 ± 142.765 χ^2/NDF : 98.2/66

- sign -126.430 ± 200.722 χ^2/NDF : 25.6/33

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201 $\pm$ 0.366 χ^2 /NDF: 451961.9/16

Left Out: 748.036 $\pm$ 0.156 χ^2 /NDF: 800995.6/15

Right Out: 1347.177 $\pm$ 0.364 χ^2 /NDF: 420774.0/18

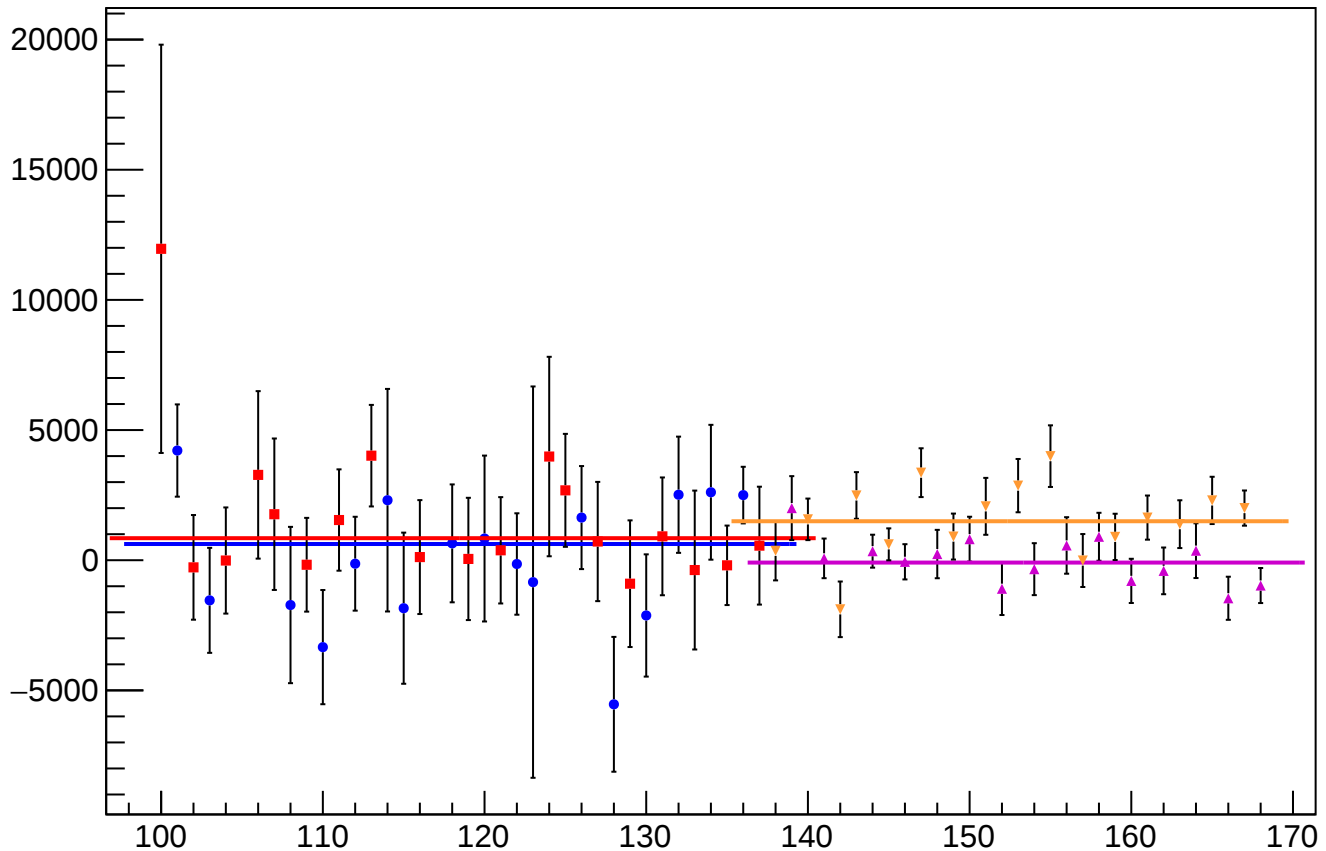
Left In: 732.650 $\pm$ 0.154 χ^2 /NDF: 731994.8/14

+ sign 833.704 $\pm$ 0.144 χ^2 /NDF: 3203114.8/32

All: 829.877 $\pm$ 0.101 χ^2 /NDF: 6775337.3/66

- sign 826.138 $\pm$ 0.142 χ^2 /NDF: 3570818.5/33

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 $\pm$ 518.496 χ^2/NDF : 22.0/16

Left Out: 1497.218 $\pm$ 222.153 χ^2/NDF : 29.3/15

Right Out: 846.021 $\pm$ 516.325 χ^2/NDF : 9.1/18

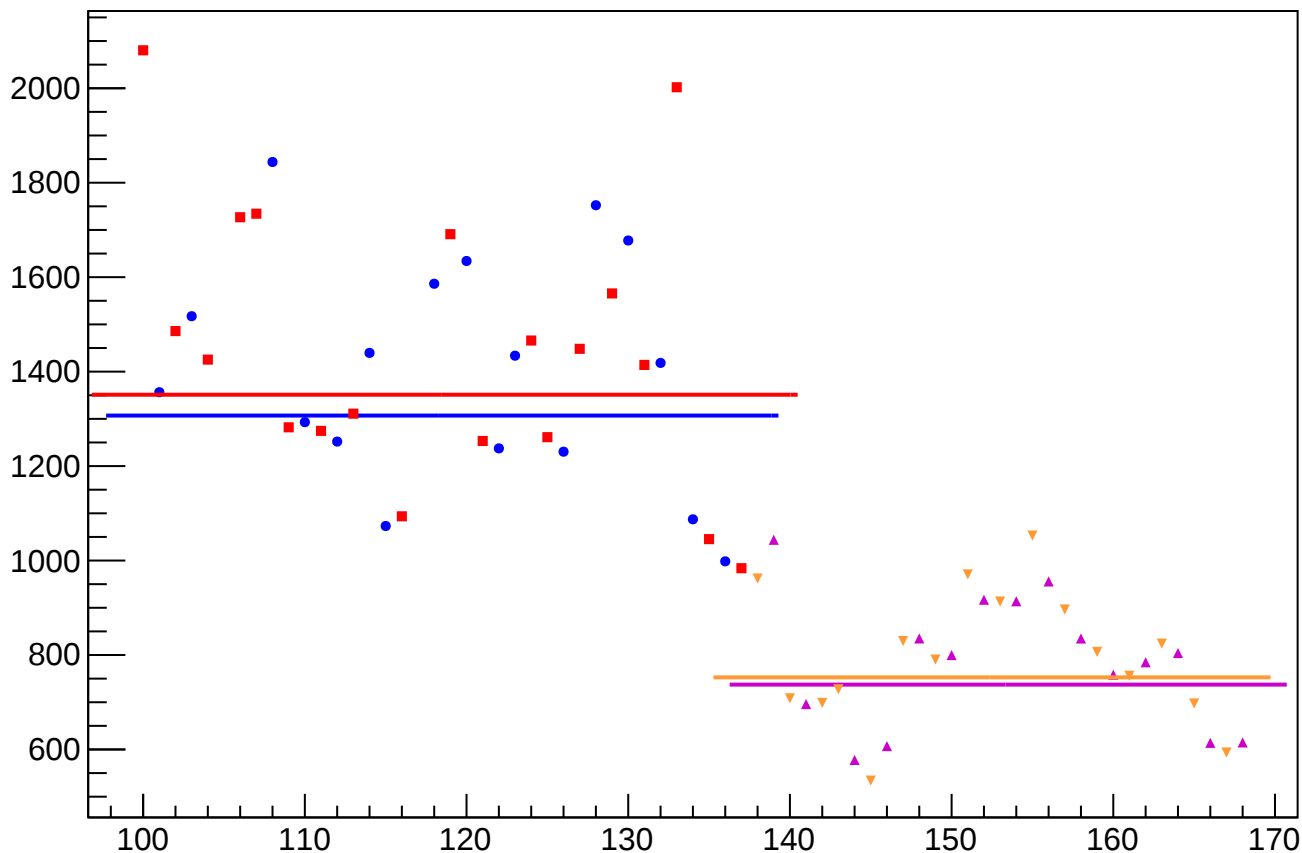
Left In: -90.710 $\pm$ 219.313 χ^2/NDF : 12.7/14

+ sign 1361.533 $\pm$ 204.200 χ^2/NDF : 53.7/32

All: 699.448 $\pm$ 143.556 χ^2/NDF : 99.0/66

- sign 52.463 $\pm$ 201.858 χ^2/NDF : 24.6/33

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 ± 0.367 χ^2/NDF : 451191.7/16

Left Out: 752.679 ± 0.157 χ^2/NDF : 786892.7/15

Right Out: 1351.096 ± 0.365 χ^2/NDF : 421804.6/18

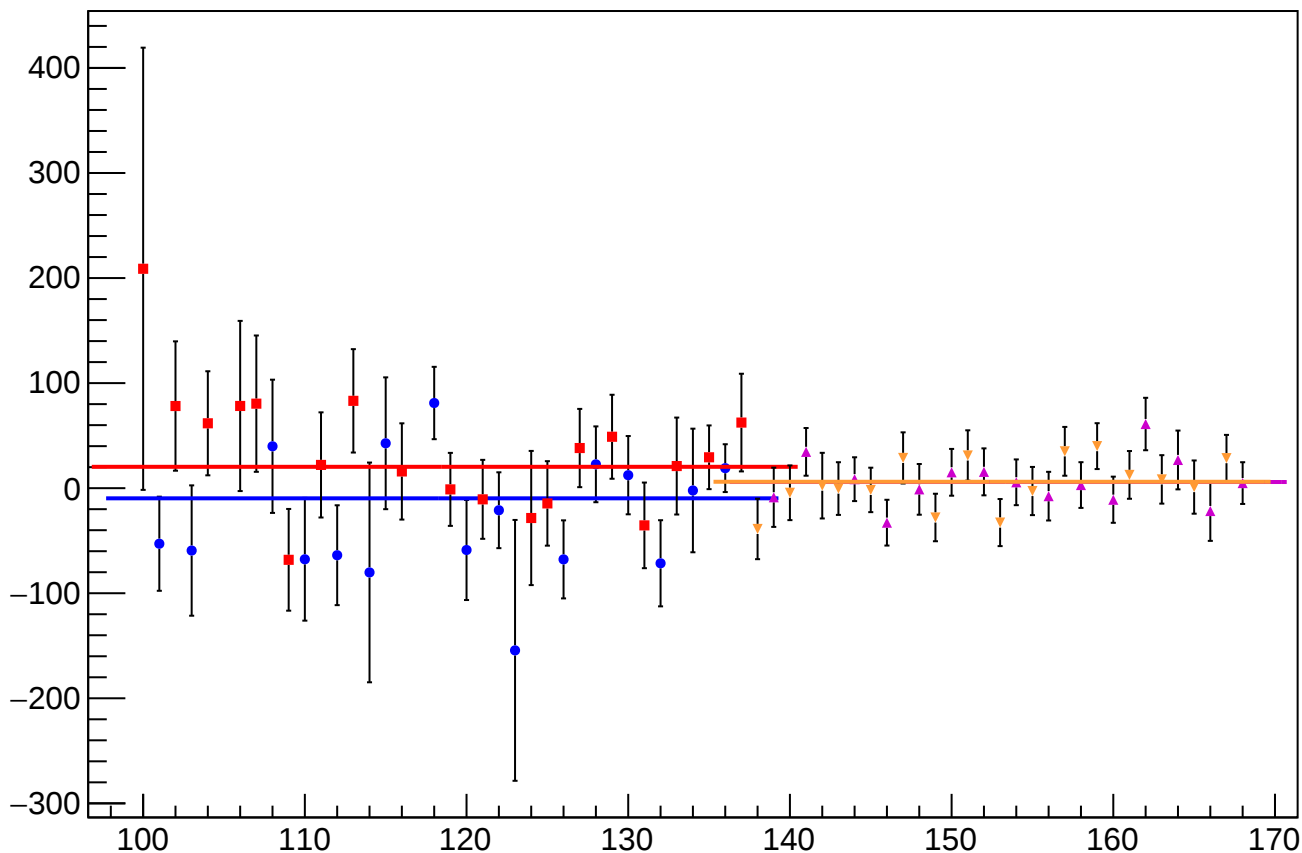
Left In: 737.328 ± 0.155 χ^2/NDF : 719099.1/14

+ sign 838.653 ± 0.144 χ^2/NDF : 3169319.2/32

All: 834.852 ± 0.102 χ^2/NDF : 6705777.5/66

- sign 831.138 ± 0.143 χ^2/NDF : 3535088.3/33

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 6.100 ± 5.957 χ^2/NDF : 15.3/15

Right Out: 20.335 ± 10.444 χ^2/NDF : 14.7/18

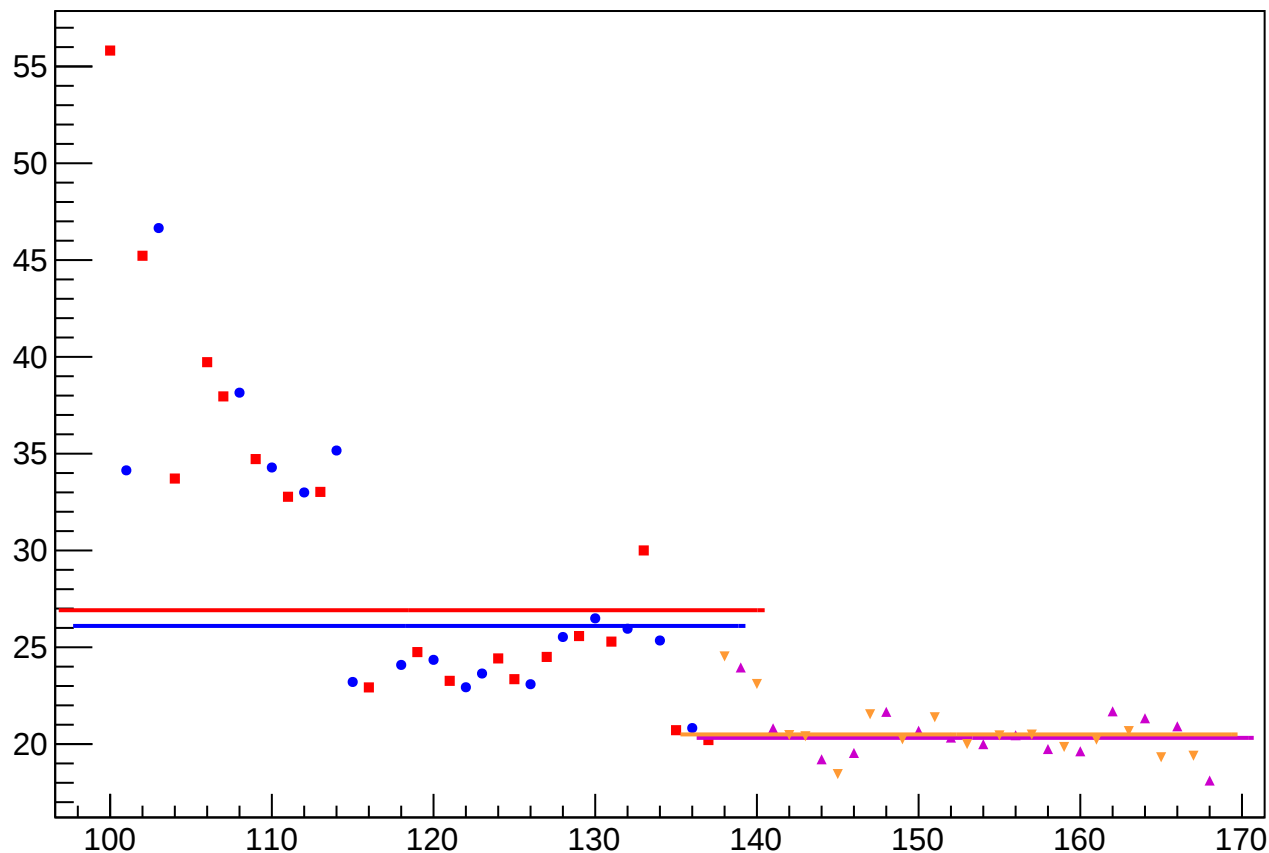
Left In: 5.865 ± 5.960 χ^2/NDF : 12.8/14

+ sign 2.209 ± 5.170 χ^2/NDF : 39.6/32

All: 5.810 ± 3.658 χ^2/NDF : 69.5/66

- sign 9.420 ± 5.176 χ^2/NDF : 28.9/33

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103 $\pm$ 0.007 χ^2/NDF : 604038.5/16

Left Out: 20.499 $\pm$ 0.004 χ^2/NDF : 97110.8/15

Right Out: 26.914 $\pm$ 0.007 χ^2/NDF : 678970.2/18

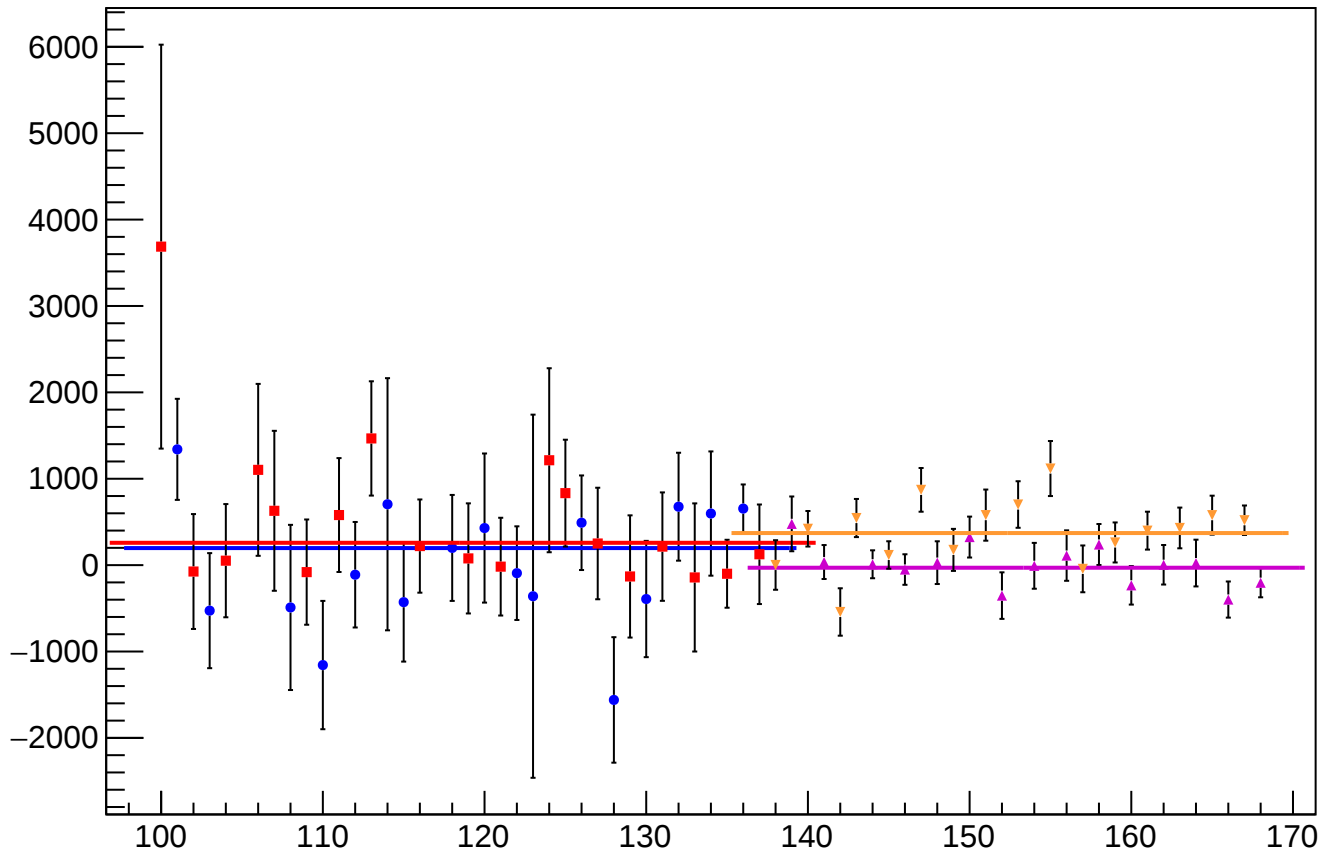
Left In: 20.321 $\pm$ 0.004 χ^2/NDF : 87241.6/14

+ sign 21.882 $\pm$ 0.004 χ^2/NDF : 1137876.8/32

All: 21.911 $\pm$ 0.003 χ^2/NDF : 2505406.5/66

- sign 21.941 $\pm$ 0.004 χ^2/NDF : 1367399.2/33

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 371.397 ± 57.564 χ^2/NDF : 32.3/15

Right Out: 258.537 ± 149.867 χ^2/NDF : 10.7/18

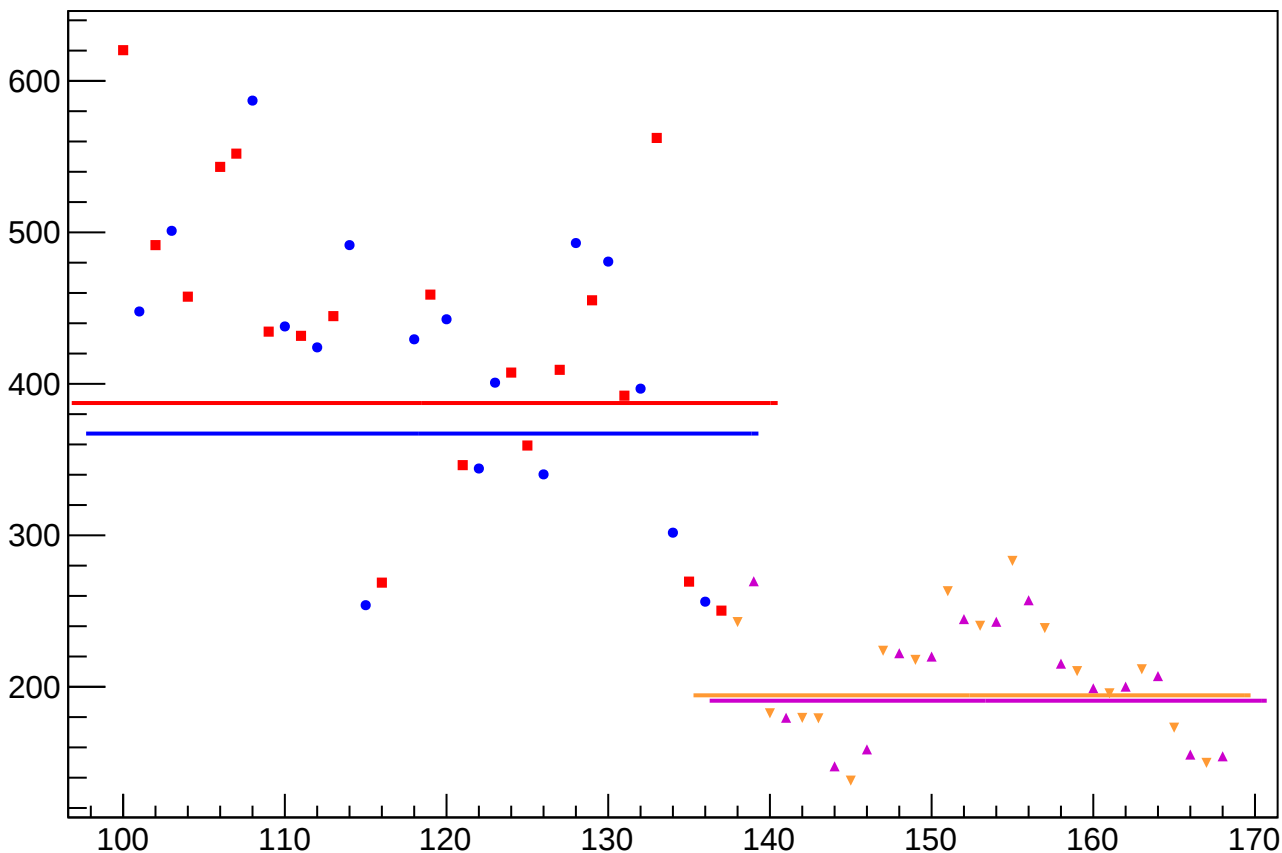
Left In: -30.146 ± 56.924 χ^2/NDF : 13.1/14

+ sign 348.493 ± 53.643 χ^2/NDF : 54.4/32

All: 175.999 ± 37.779 χ^2/NDF : 101.9/66

- sign 6.252 ± 53.214 χ^2/NDF : 27.0/33

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 194.376 $\pm$ 0.041 χ^2 /NDF: 925179.4/15

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

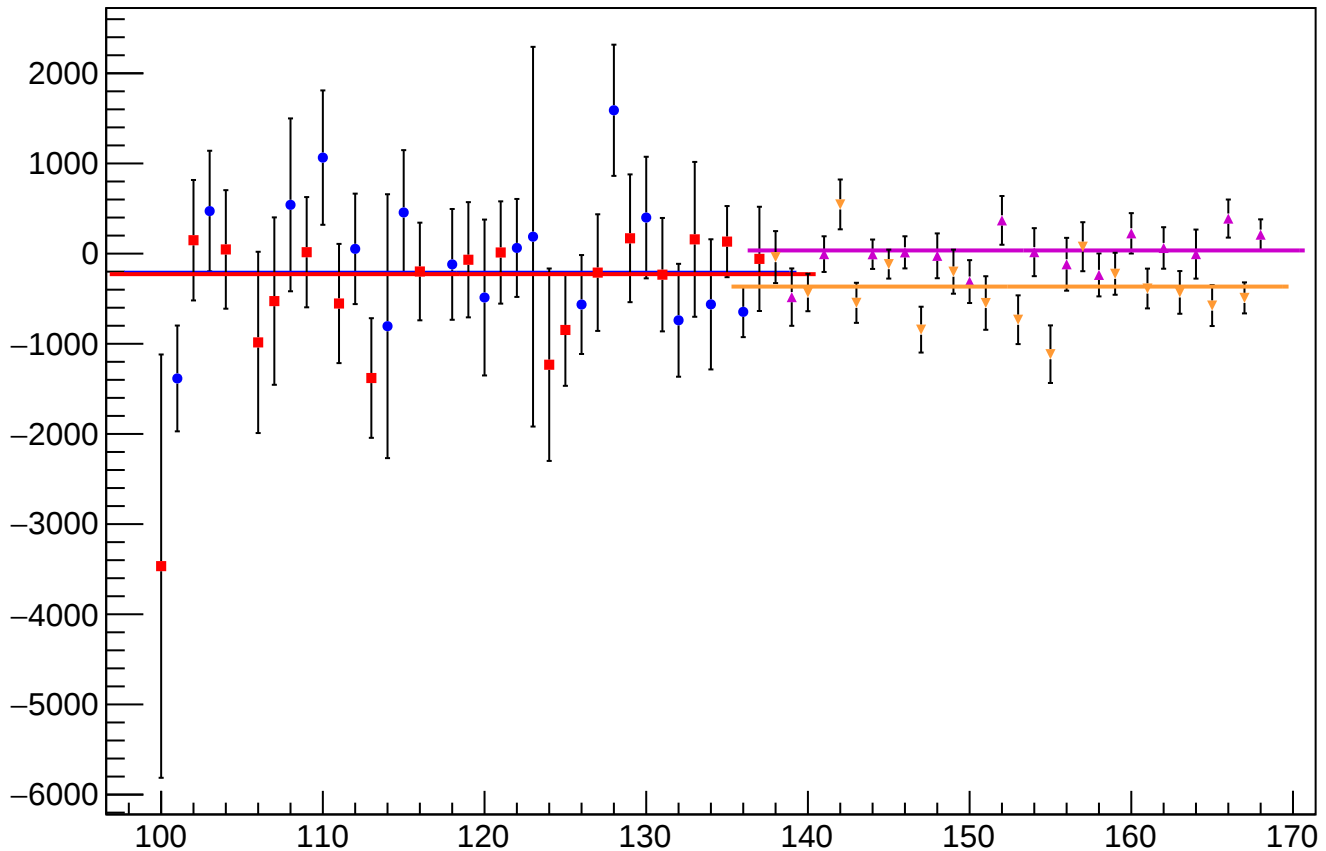
Left In: 190.816 $\pm$ 0.040 χ^2 /NDF: 849646.9/14

+ sign 217.113 $\pm$ 0.038 χ^2 /NDF: 4123876.0/32

All: 216.348 $\pm$ 0.027 χ^2 /NDF: 8754531.2/66

- sign 215.594 $\pm$ 0.038 χ^2 /NDF: 4629847.1/33

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -365.625 ± 57.918 χ^2/NDF : 31.6/15

Right Out: -227.831 ± 150.317 χ^2/NDF : 10.1/18

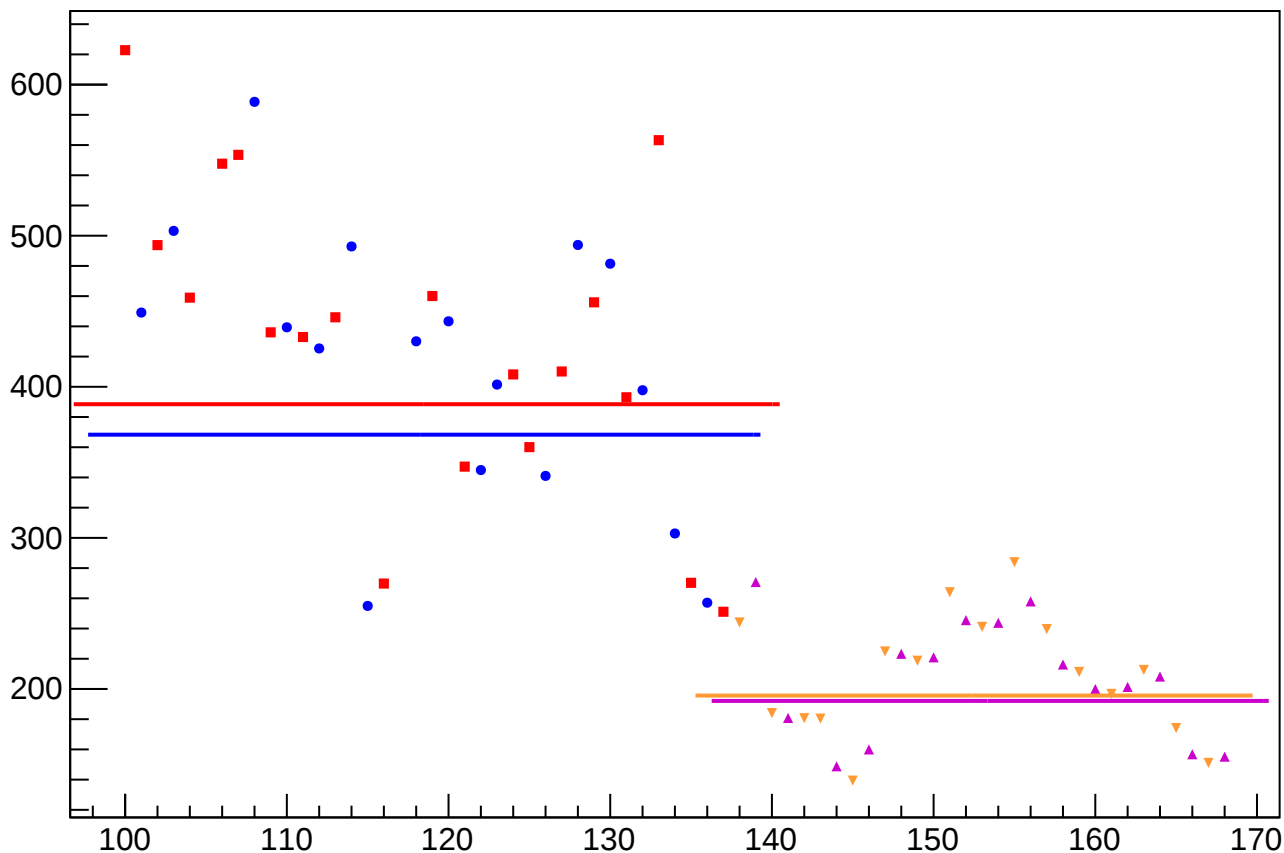
Left In: 35.214 ± 57.281 χ^2/NDF : 12.6/14

+ sign -345.280 ± 53.950 χ^2/NDF : 53.5/32

All: -170.341 ± 37.998 χ^2/NDF : 99.7/66

- sign 1.860 ± 53.526 χ^2/NDF : 25.4/33

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 195.655 $\pm$ 0.041 χ^2 /NDF: 907855.0/15

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

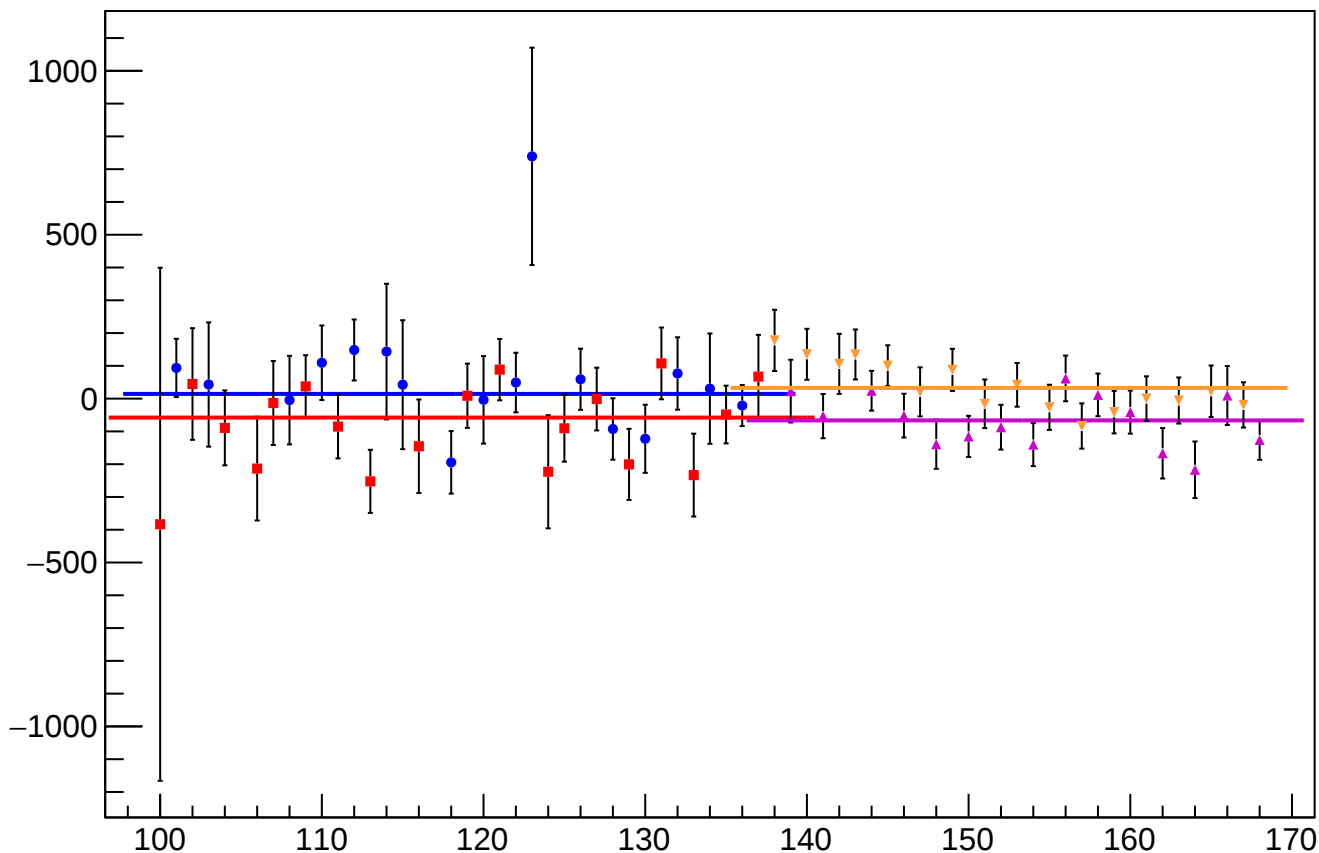
Left In: 192.090 $\pm$ 0.041 χ^2 /NDF: 833569.7/14

+ sign 218.499 $\pm$ 0.038 χ^2 /NDF: 4083913.8/32

All: 217.739 $\pm$ 0.027 χ^2 /NDF: 8673797.8/66

- sign 216.991 $\pm$ 0.038 χ^2 /NDF: 4589097.4/33

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 32.688+/-17.939 χ^2/NDF : 15.0/15

Right Out: -57.795+/-26.121 χ^2/NDF : 18.4/18

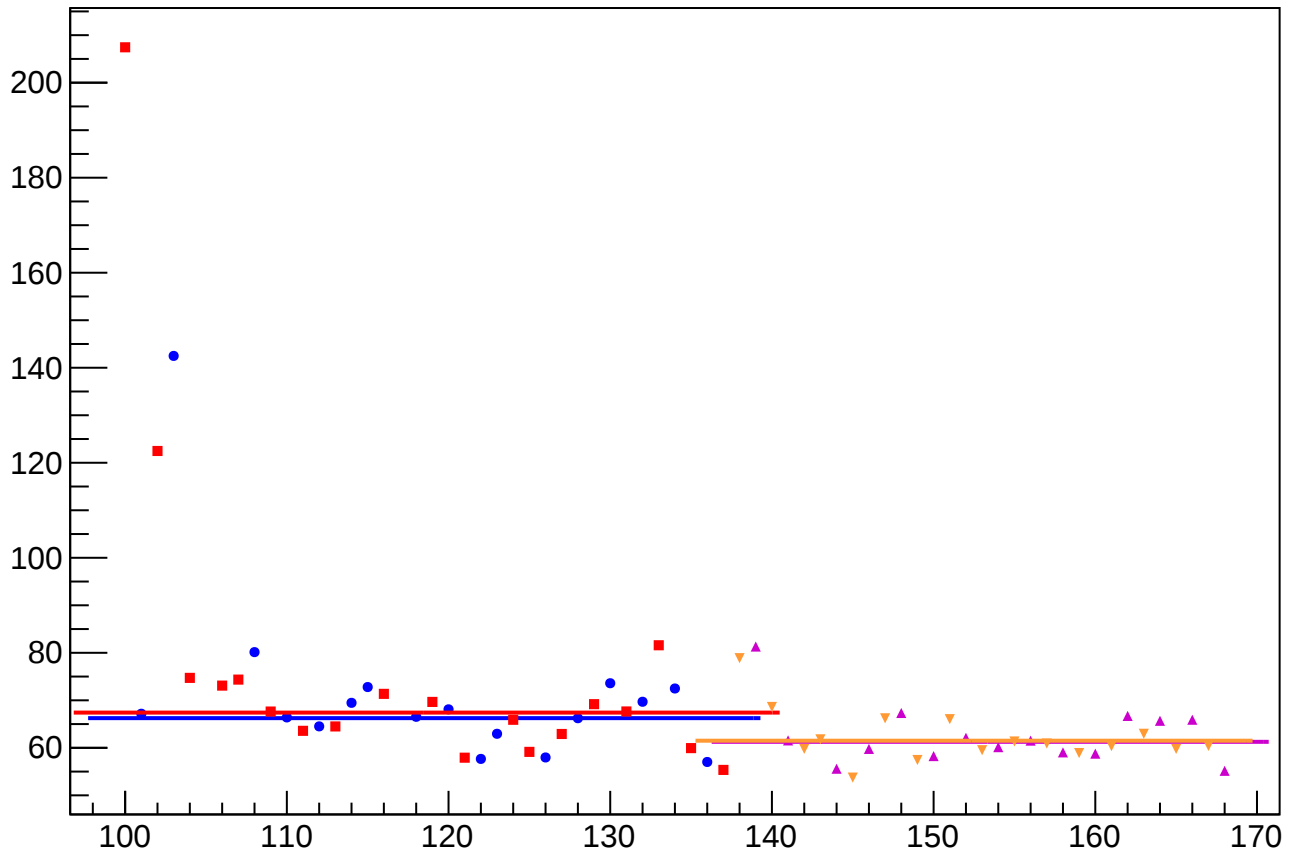
Left In: -66.418+/-18.029 χ^2/NDF : 17.5/14

+ sign 26.887+/-14.826 χ^2/NDF : 33.0/32

All: -18.338+/-10.488 χ^2/NDF : 87.6/66

- sign -63.635+/-14.838 χ^2/NDF : 36.0/33

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 61.499+/-0.013 χ^2/NDF :149368.3/15

Right Out: 67.415+/-0.018 χ^2/NDF : 393608.5/18

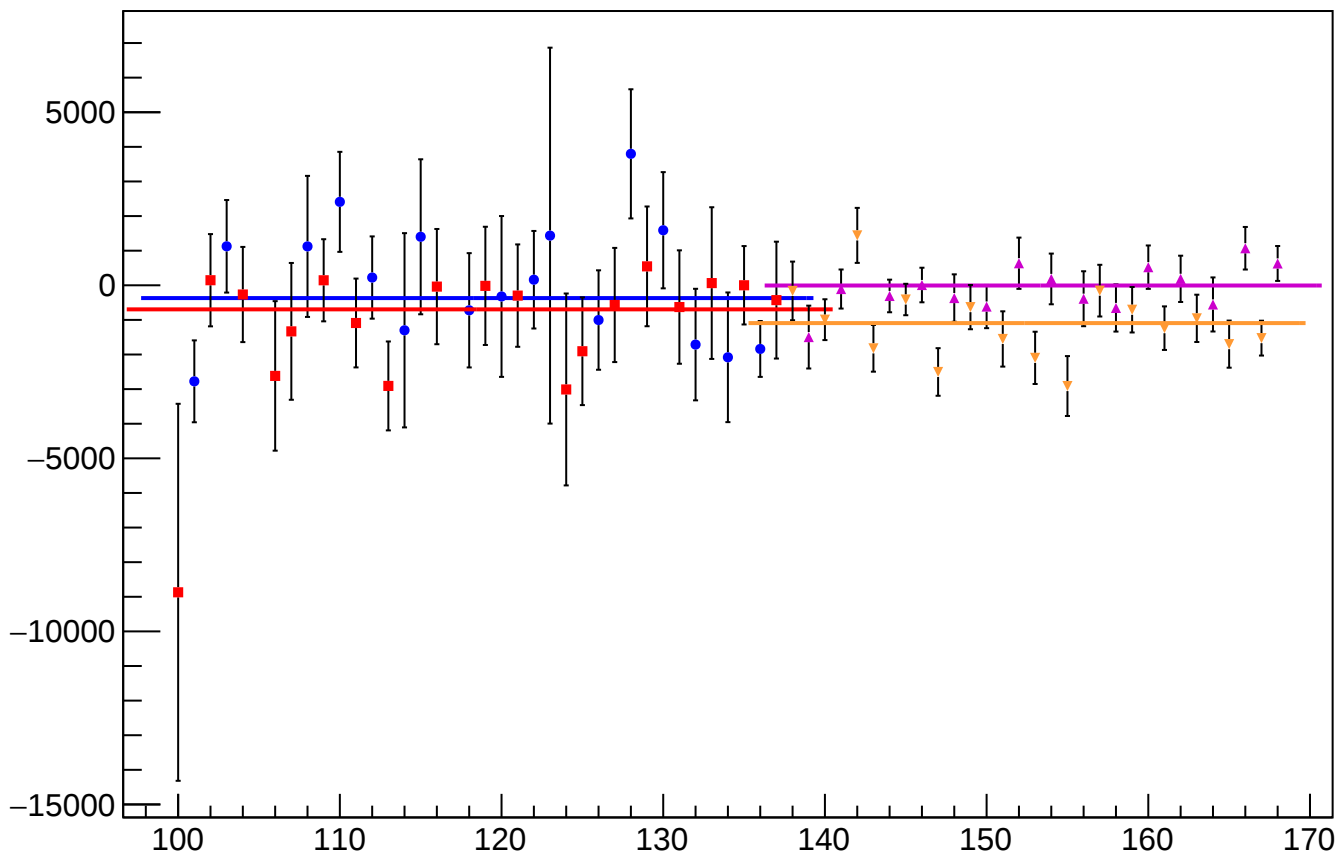
Left In: 61.263+/-0.013 χ^2/NDF :171003.5/14

+ sign 63.004+/-0.010 χ^2/NDF : 634714.1/32

All: 63.126+/-0.007 χ^2/NDF : 1274739.4/66

- sign 63.248+/-0.010 χ^2/NDF : 639755.0/33

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 ± 366.432 χ^2/NDF : 22.3/16

Left Out: -1092.088 ± 164.406 χ^2/NDF : 29.6/15

Right Out: -695.425 ± 361.887 χ^2/NDF : 9.9/18

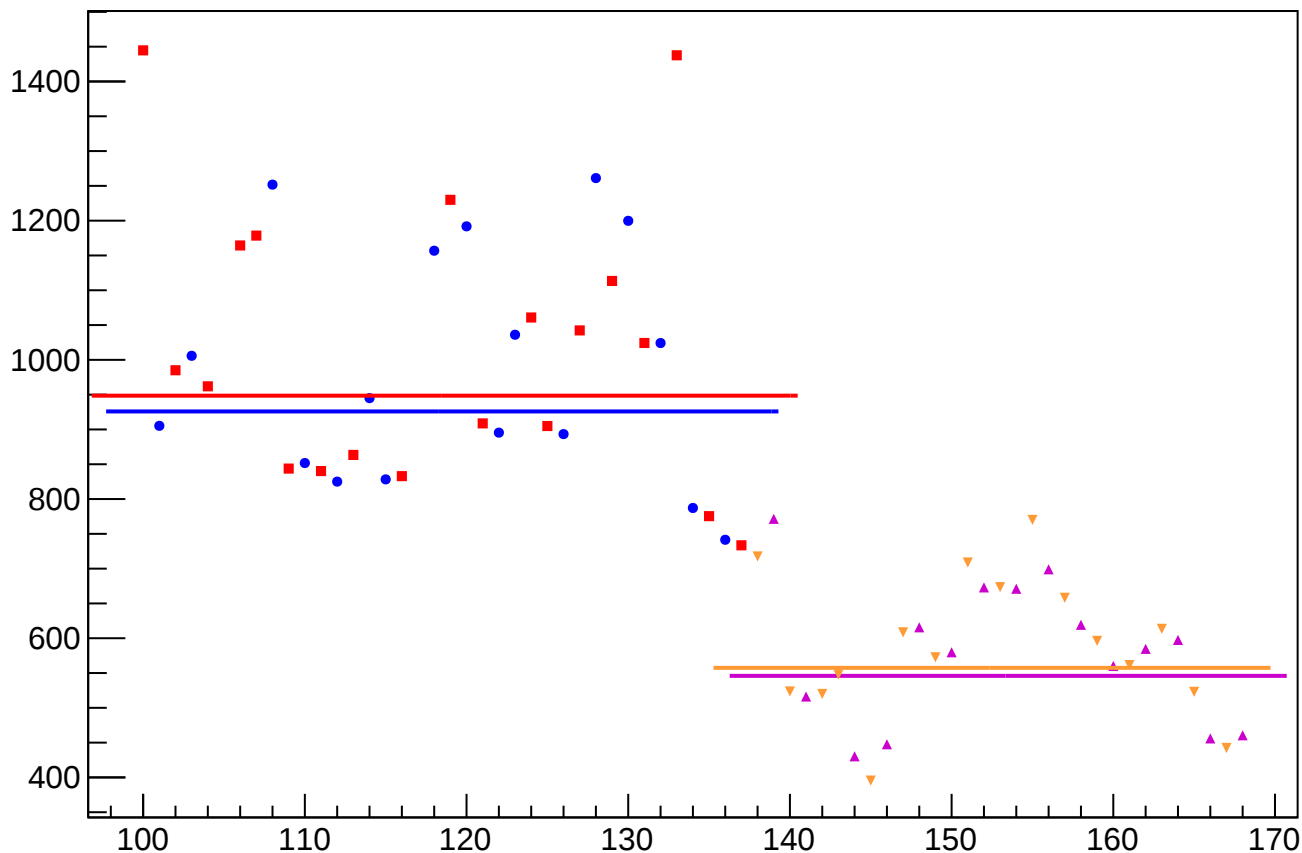
Left In: -6.238 ± 162.267 χ^2/NDF : 12.3/14

+ sign -971.012 ± 150.000 χ^2/NDF : 55.2/32

All: -540.792 ± 105.375 χ^2/NDF : 96.6/66

- sign -121.607 ± 148.064 χ^2/NDF : 25.2/33

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 557.465 $\pm$ 0.116 χ^2 /NDF: 755818.9/15

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

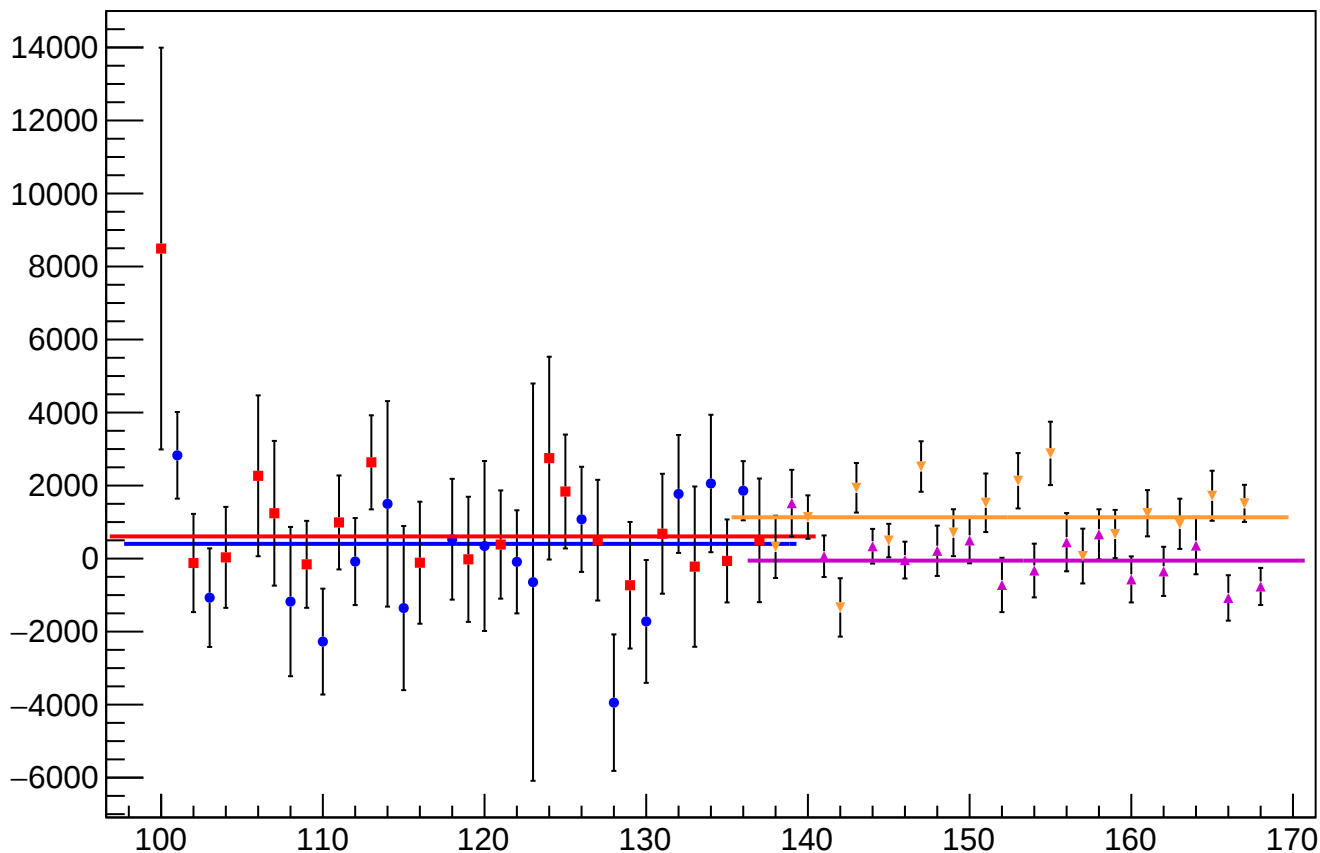
Left In: 545.946 $\pm$ 0.115 χ^2 /NDF: 684979.2/14

+ sign 619.202 $\pm$ 0.106 χ^2 /NDF: 2829866.3/32

All: 616.234 $\pm$ 0.075 χ^2 /NDF: 5959345.9/66

- sign 613.342 $\pm$ 0.105 χ^2 /NDF: 3127933.6/33

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 1131.681+/-165.513 χ^2/NDF : 28.2/15

Right Out: 607.276+/-363.327 χ^2/NDF : 8.8/18

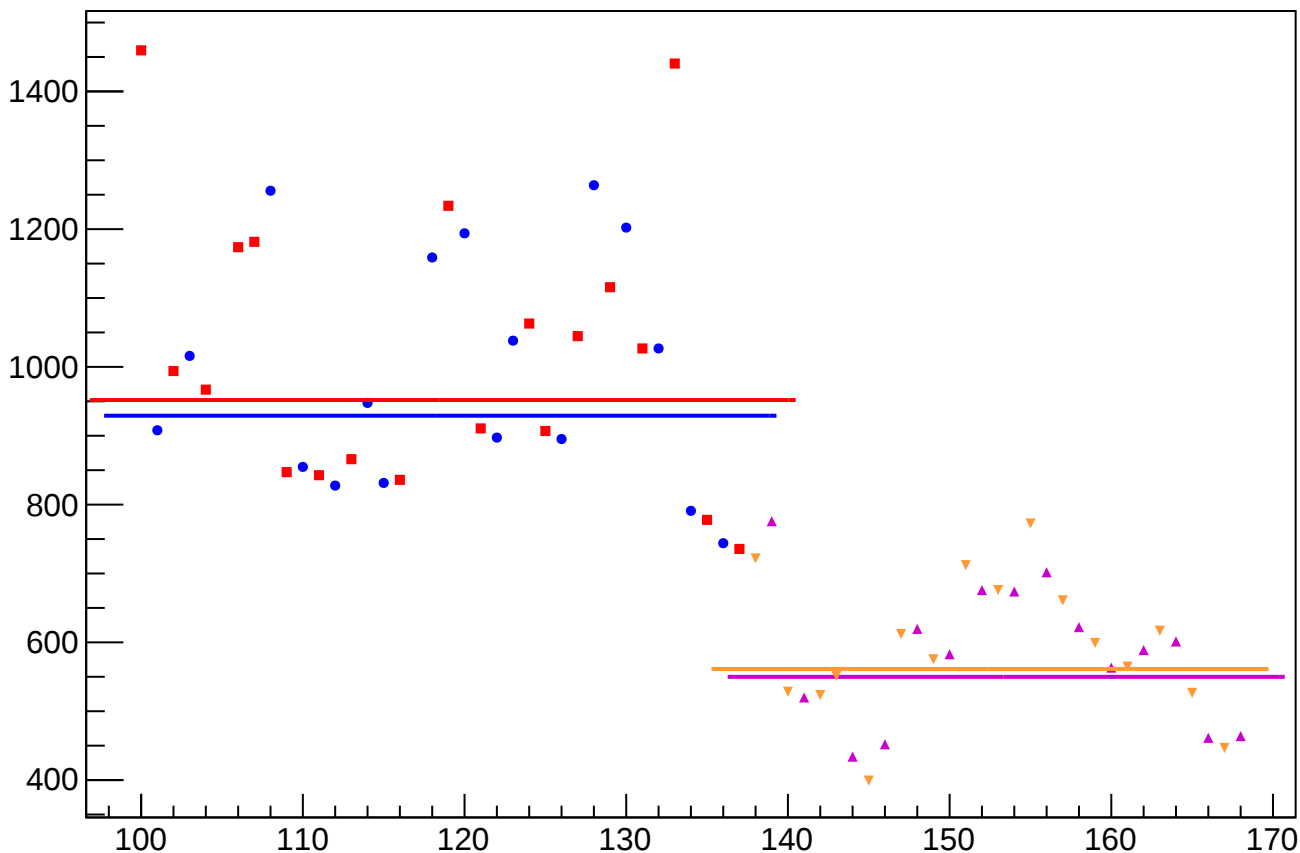
Left In: -55.765+/-163.394 χ^2/NDF : 12.9/14

+ sign 1009.003+/-150.927 χ^2/NDF : 53.9/32

All: 526.322+/-106.040 χ^2/NDF : 98.5/66

- sign 55.773+/-149.018 χ^2/NDF : 24.4/33

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 561.408 $\pm$ 0.117 χ^2 /NDF: 740349.5/15

Right Out: 951.847 $\pm$ 0.257 χ^2 /NDF: 382219.3/18

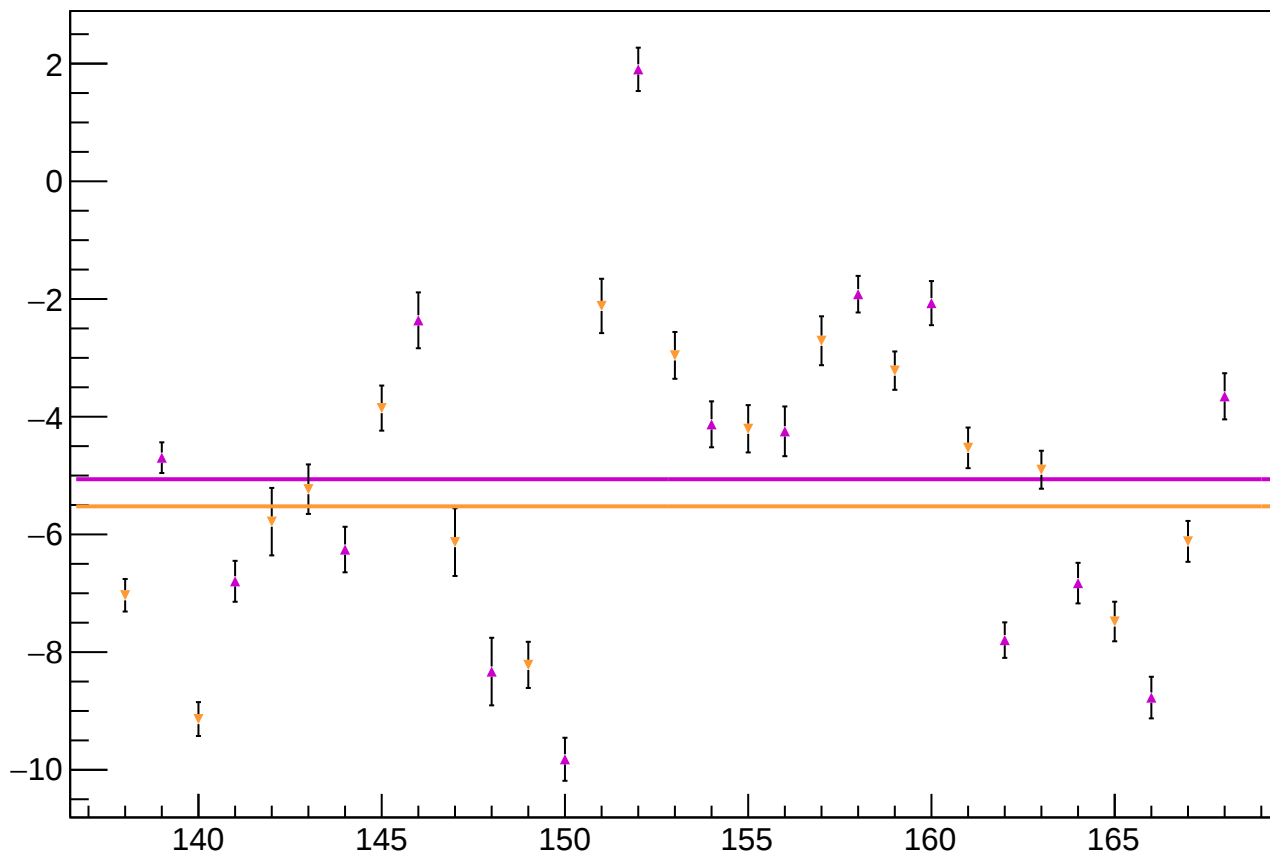
Left In: 549.911 $\pm$ 0.116 χ^2 /NDF: 671367.6/14

+ sign 623.361 $\pm$ 0.107 χ^2 /NDF: 2793679.7/32

All: 620.406 $\pm$ 0.075 χ^2 /NDF: 5884675.7/66

- sign 617.525 $\pm$ 0.105 χ^2 /NDF: 3089481.9/33

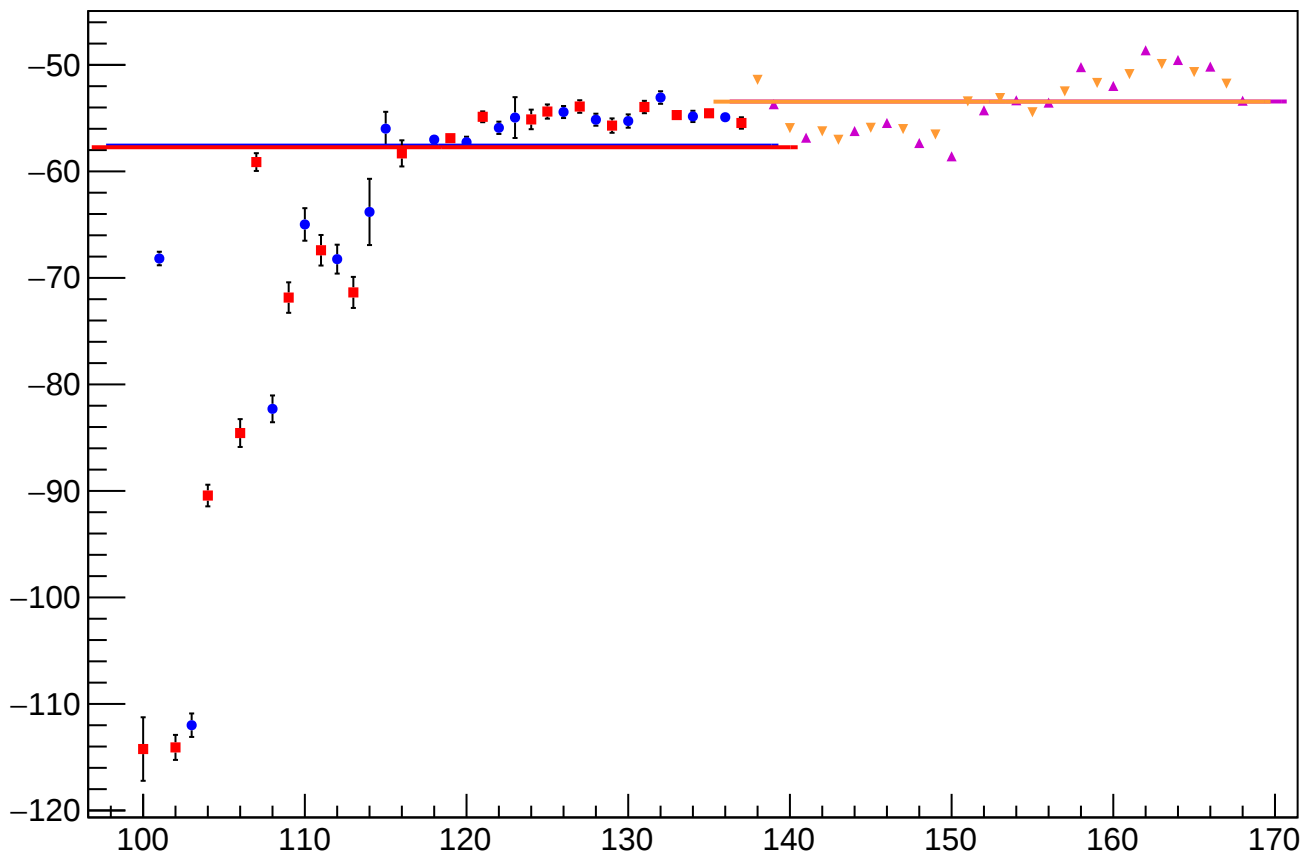
reg_asym_sam1_diff_bpm1X_slope vs Slug



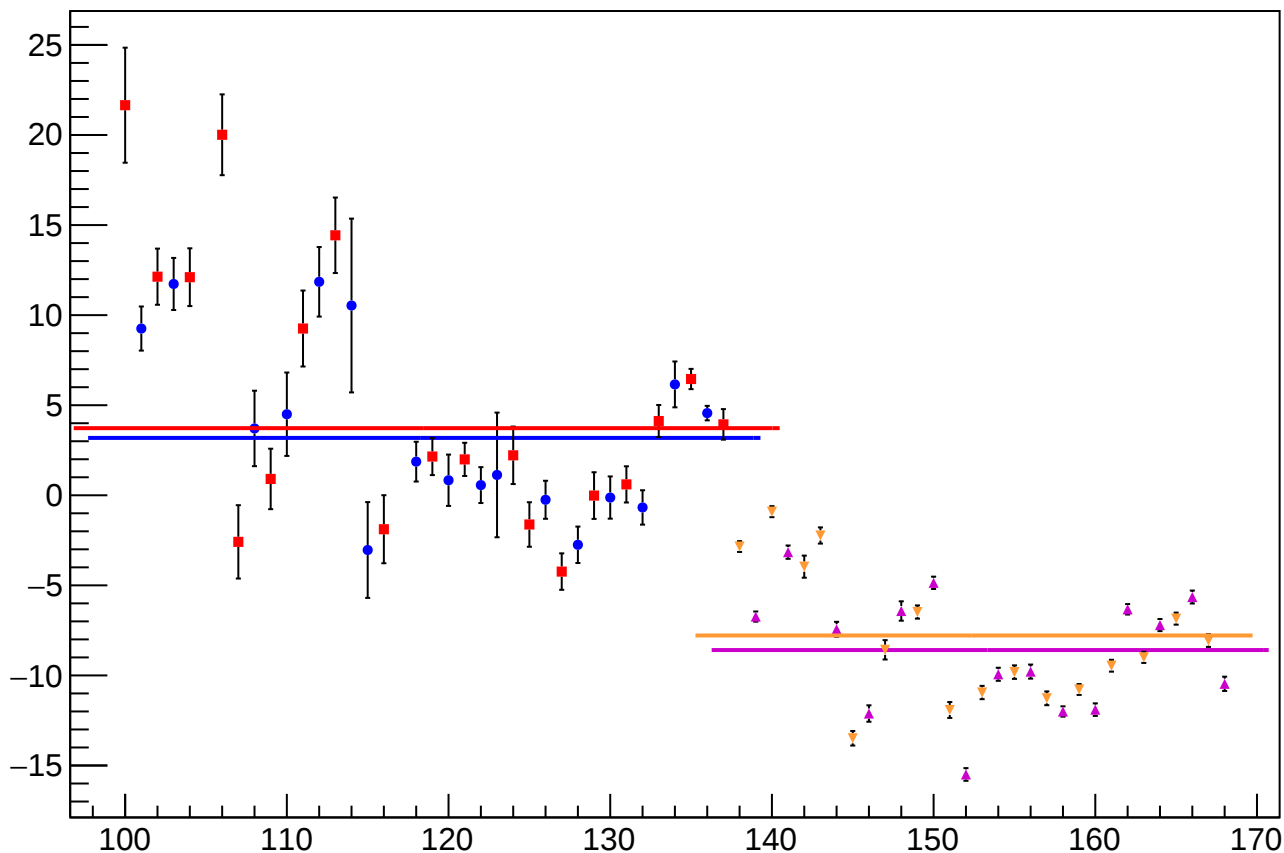
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -5.523+/-0.092 χ^2/NDF :506.6/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.062+/-0.093 χ^2/NDF :1034.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -5.295+/-0.065 χ^2/NDF : 1553.8/30
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam1_diff_bpm4aY_slope vs Slug



reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -7.783 ± 0.091 $\chi^2/\text{NDF}: 1599.3/15$

Right Out: 3.726 ± 0.268 $\chi^2/\text{NDF}: 324.1/18$

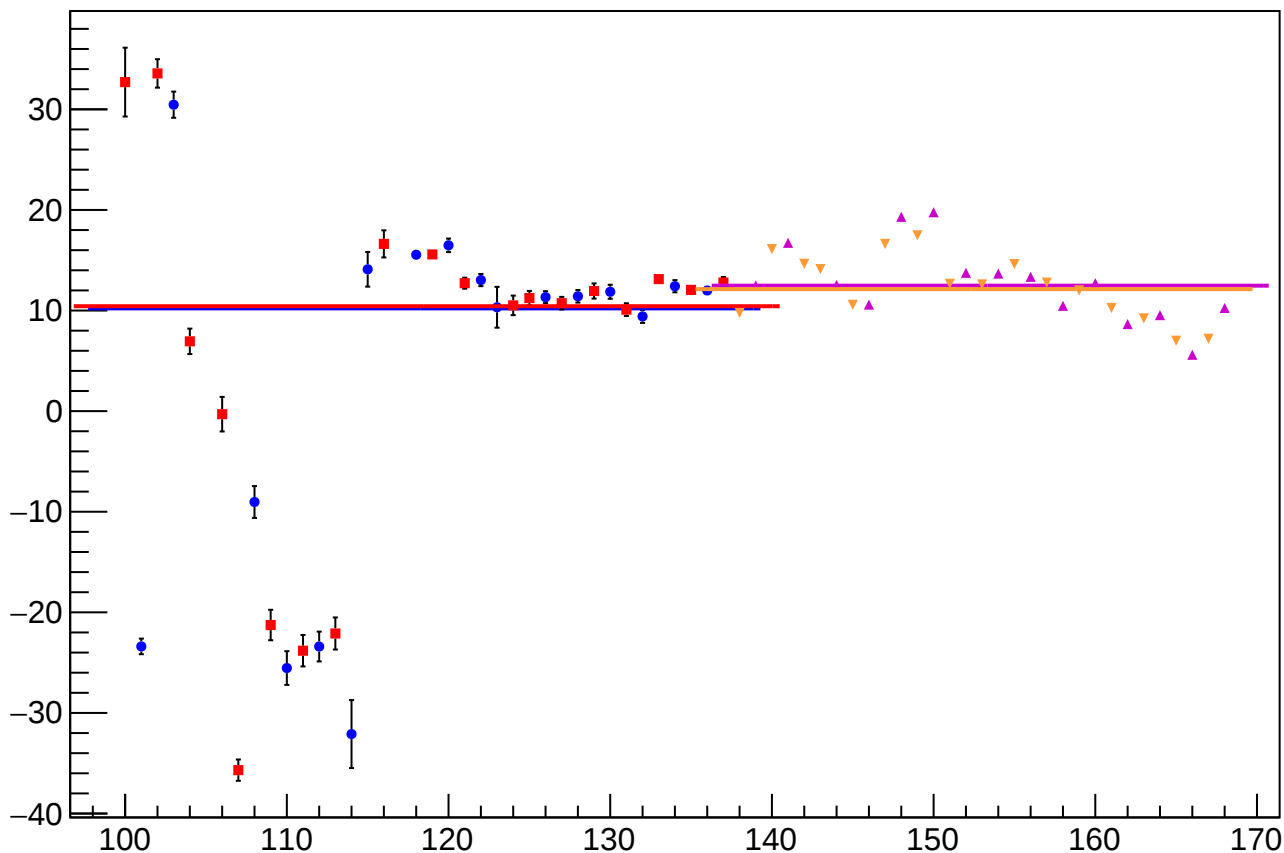
Left In: -8.592 ± 0.091 $\chi^2/\text{NDF}: 1267.4/14$

+ sign -6.572 ± 0.086 $\chi^2/\text{NDF}: 3380.4/32$

All: -6.937 ± 0.061 $\chi^2/\text{NDF}: 6906.5/66$

- sign -7.305 ± 0.086 $\chi^2/\text{NDF}: 3489.9/33$

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 12.127 $\pm$ 0.079 χ^2 /NDF: 1510.0/15

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

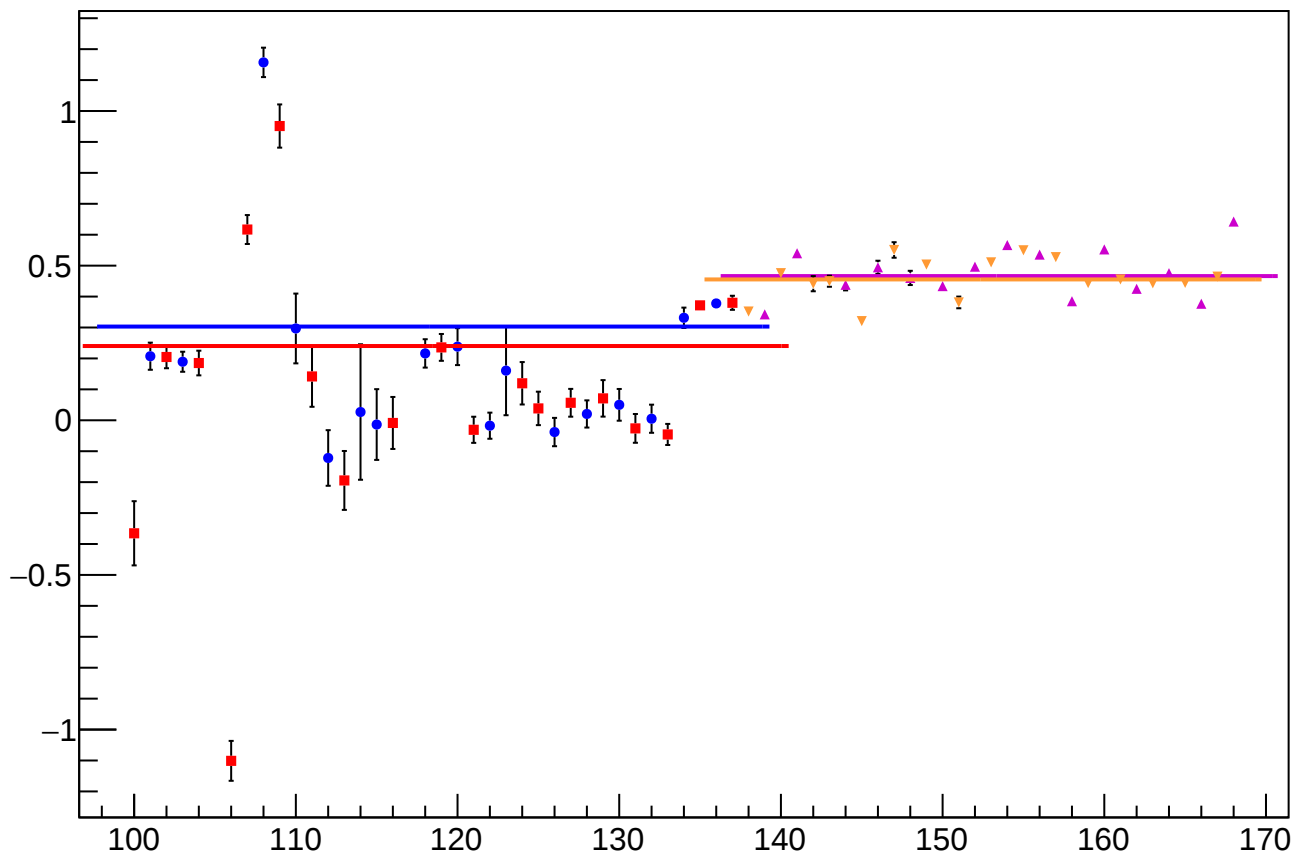
Left In: 12.472 $\pm$ 0.081 χ^2 /NDF: 2039.2/14

+ sign 11.749 $\pm$ 0.070 χ^2 /NDF: 5320.0/32

All: 11.901 $\pm$ 0.050 χ^2 /NDF: 11325.6/66

- sign 12.059 $\pm$ 0.072 χ^2 /NDF: 5996.1/33

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.455 $\pm$ 0.004 χ^2 /NDF: 300.1/15

Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.4/18

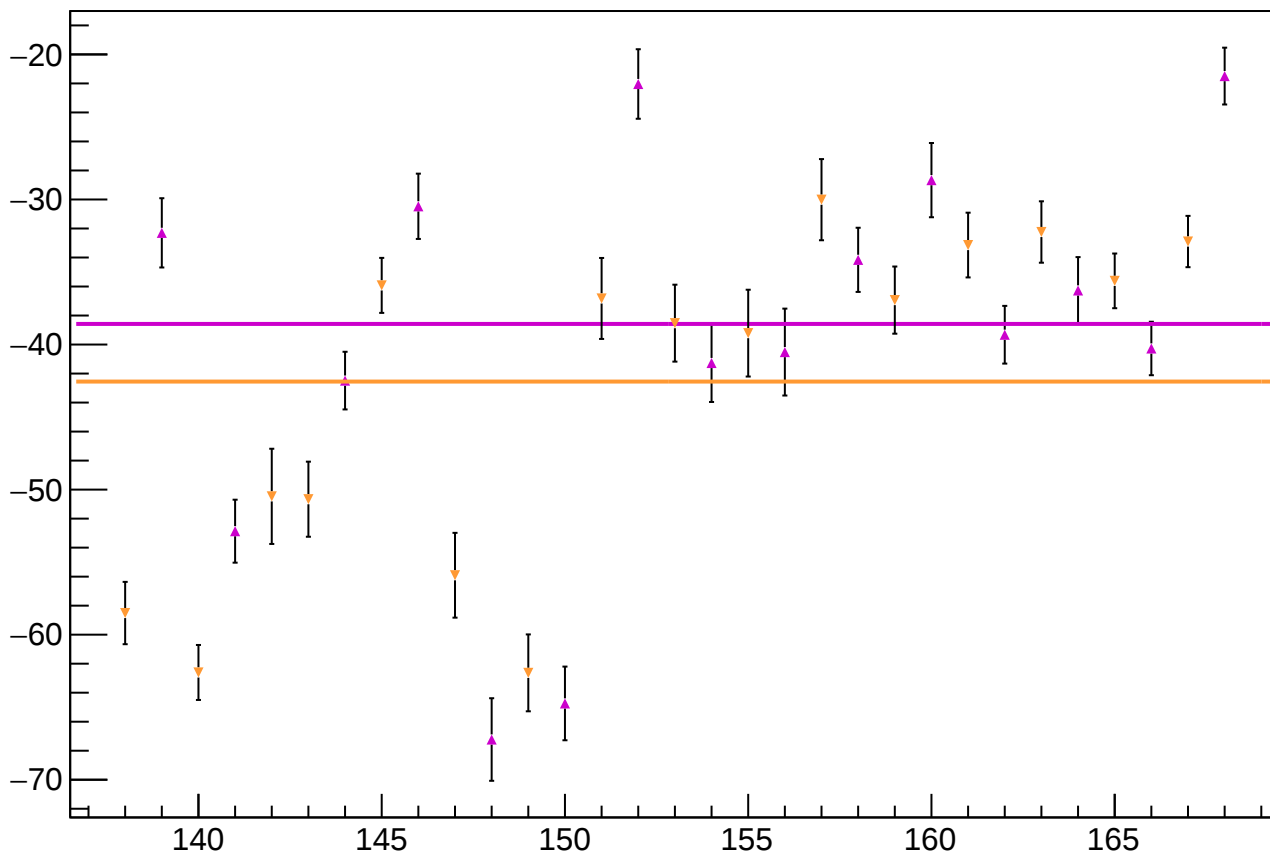
Left In: 0.466 $\pm$ 0.004 χ^2 /NDF: 576.7/14

+ sign 0.432 $\pm$ 0.003 χ^2 /NDF: 1236.5/32

All: 0.432 $\pm$ 0.002 χ^2 /NDF: 3398.5/66

- sign 0.433 $\pm$ 0.003 χ^2 /NDF: 2161.9/33

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -42.552+/-0.578 χ^2/NDF : 391.8/15

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

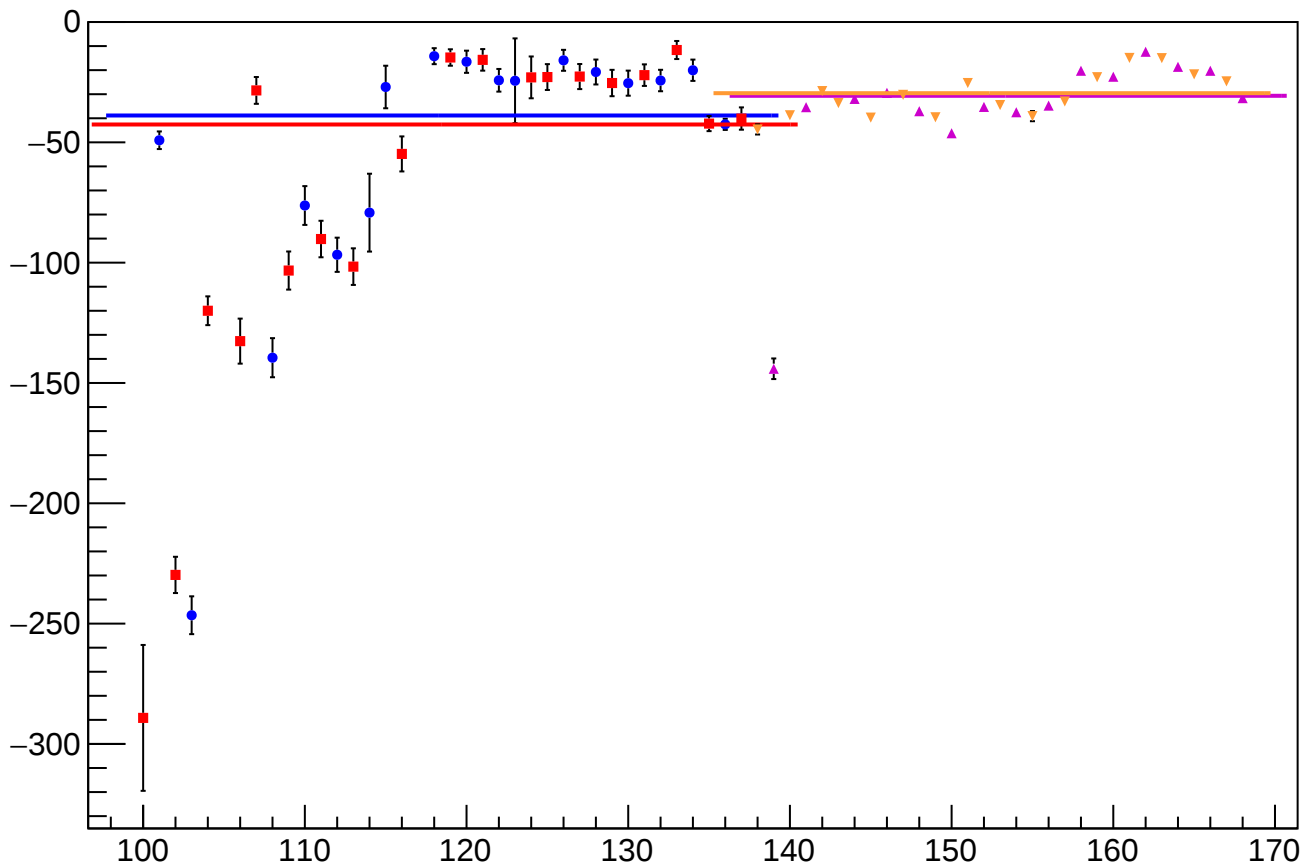
Left In: -38.579+/-0.588 χ^2/NDF : 420.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -40.600+/-0.412 χ^2/NDF : 835.8/30

- 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: -29.575 ± 0.421 χ^2/NDF : 430.0/15

Right Out: -42.586 ± 1.210 χ^2/NDF : 1345.7/18

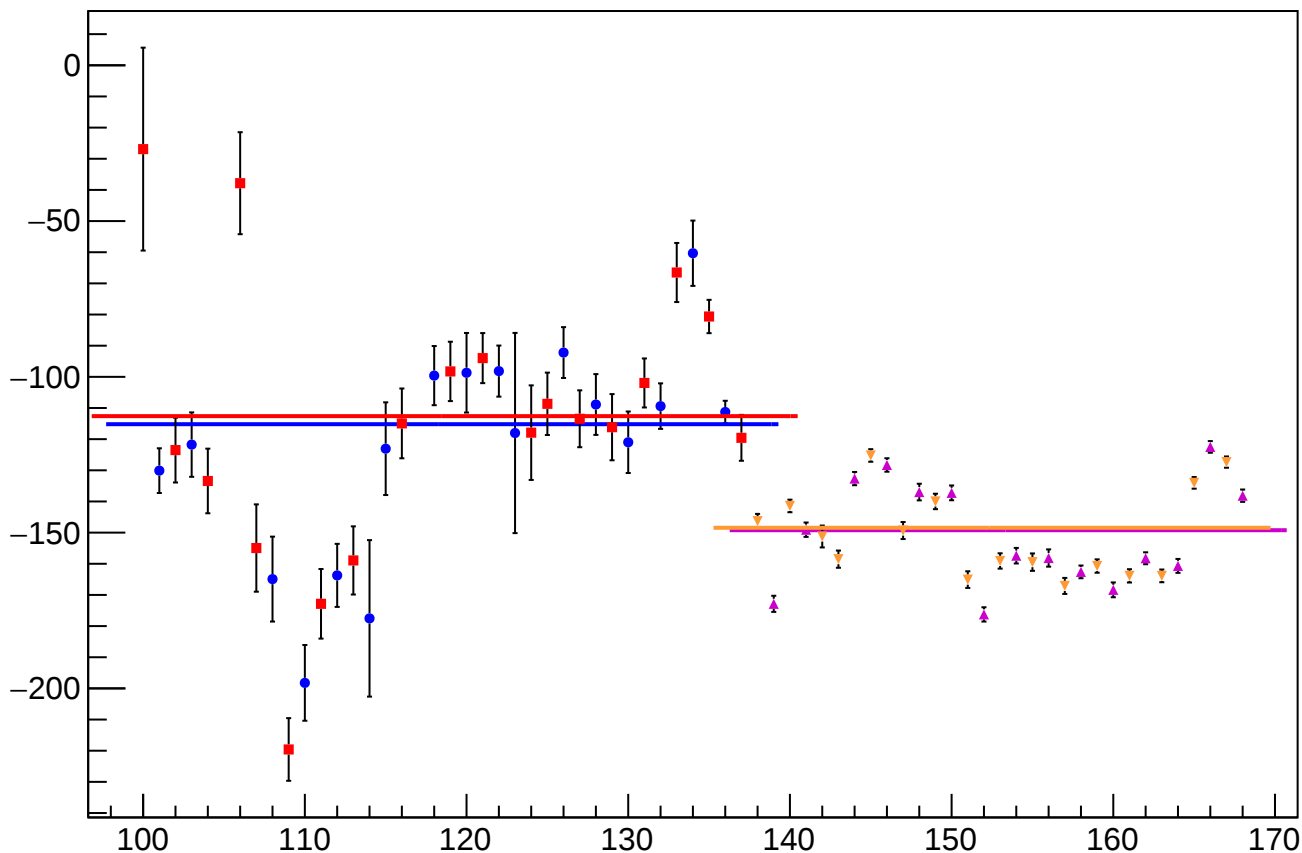
Left In: -30.658 ± 0.431 χ^2/NDF : 1122.1/14

+ sign -30.672 ± 0.395 χ^2/NDF : 1609.3/32

All: -31.319 ± 0.283 χ^2/NDF : 4168.8/66

- sign -32.003 ± 0.406 χ^2/NDF : 2554.0/33

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -148.446 ± 0.574 $\chi^2/\text{NDF}: 633.9/15$

Right Out: -112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

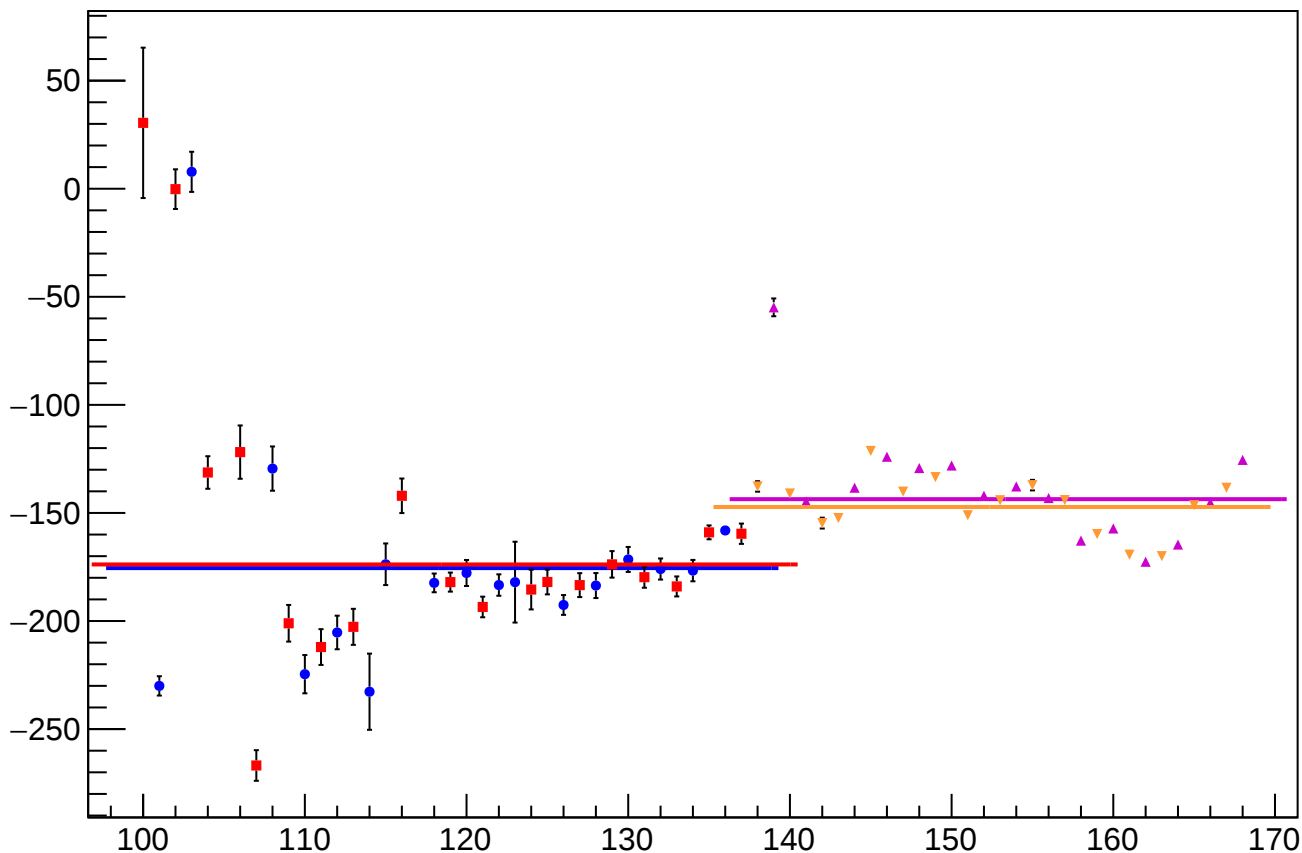
Left In: -149.226 ± 0.577 $\chi^2/\text{NDF}: 835.6/14$

+ sign -146.097 ± 0.553 $\chi^2/\text{NDF}: 1011.7/32$

All: -146.487 ± 0.393 $\chi^2/\text{NDF}: 2377.9/66$

- sign -146.885 ± 0.559 $\chi^2/\text{NDF}: 1365.1/33$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -147.244 ± 0.484 χ^2/NDF : 782.4/15

Right Out: -173.830 ± 1.357 χ^2/NDF : 737.9/18

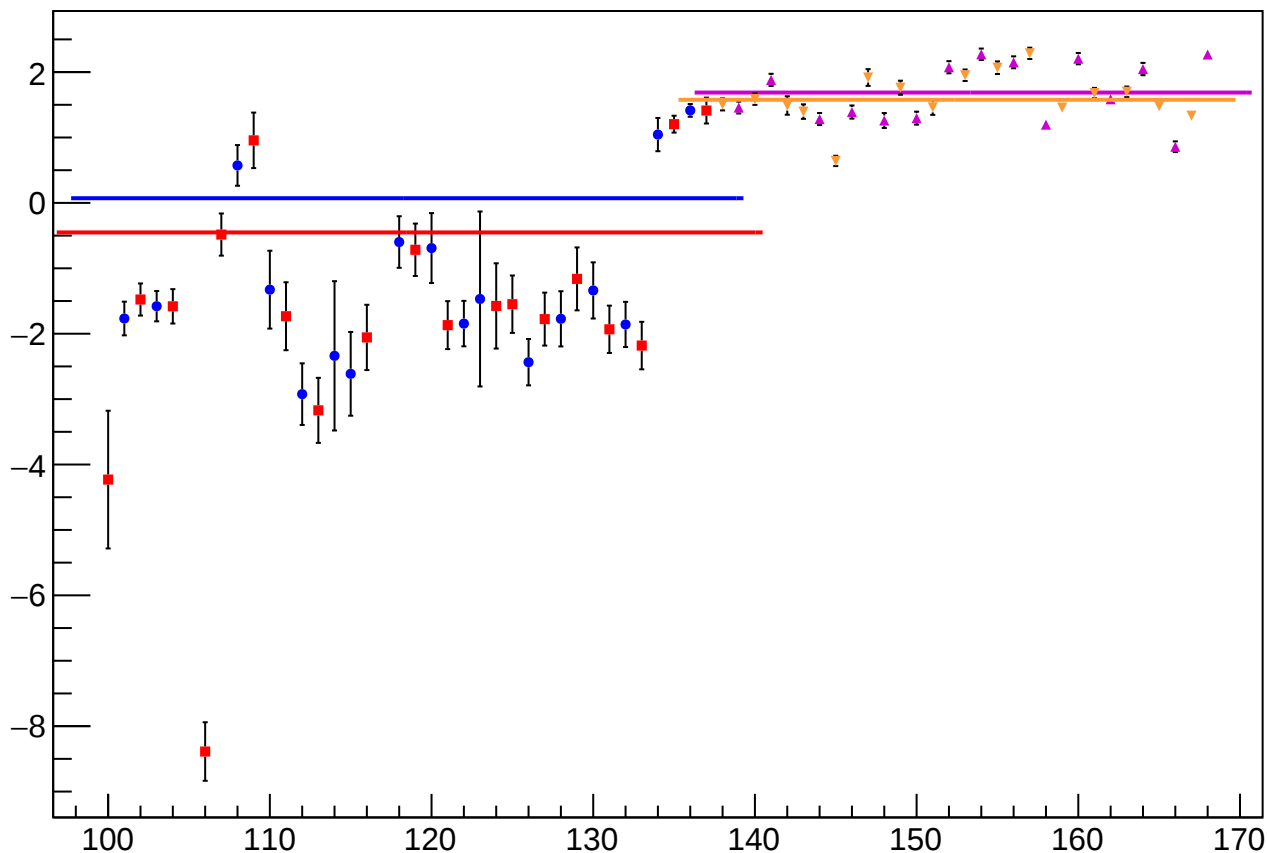
Left In: -143.617 ± 0.497 χ^2/NDF : 1425.7/14

+ sign -150.801 ± 0.453 χ^2/NDF : 1903.3/32

All: -149.047 ± 0.325 χ^2/NDF : 4535.2/66

- sign -147.188 ± 0.466 χ^2/NDF : 2601.0/33

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.577 ± 0.023 χ^2/NDF : 284.0/15

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

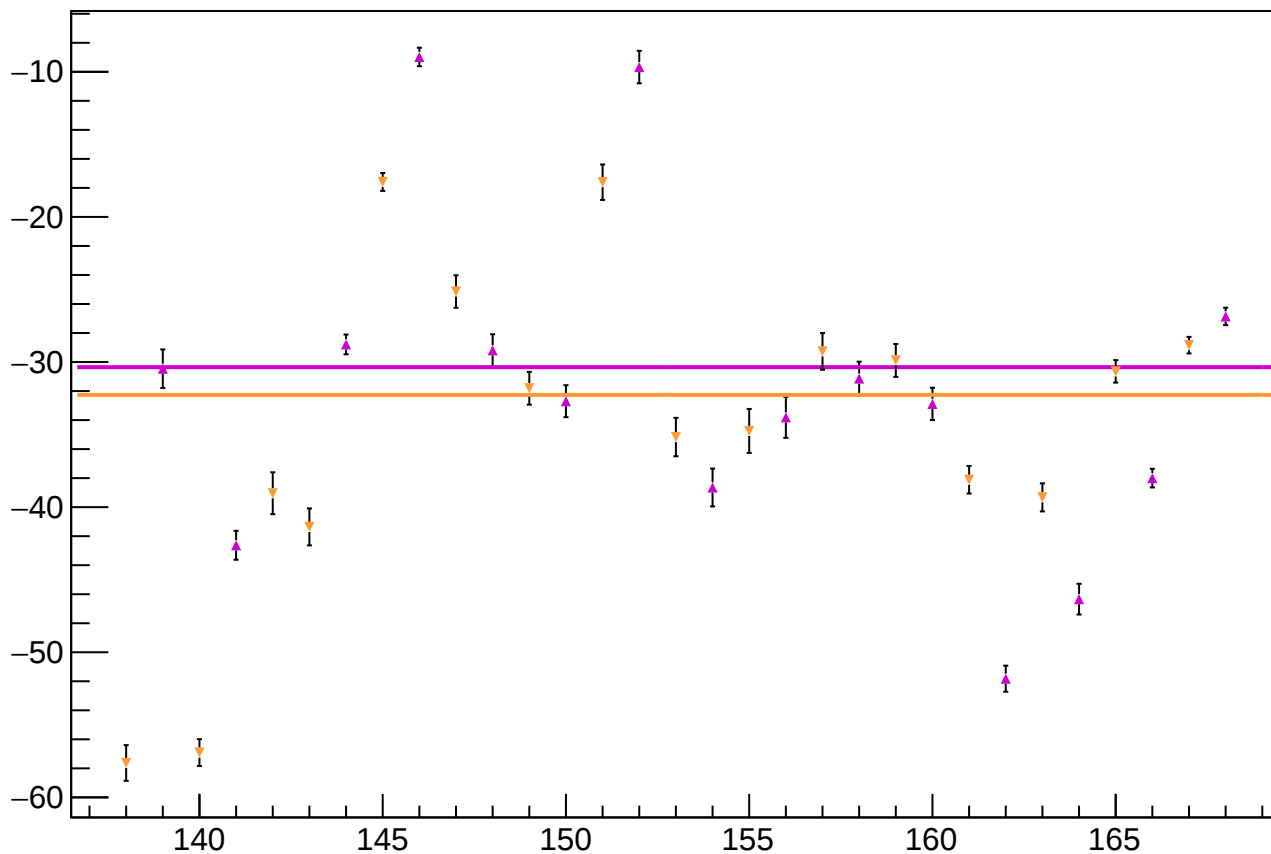
Left In: 1.687 ± 0.023 χ^2/NDF : 414.1/14

+ sign 1.424 ± 0.021 χ^2/NDF : 1260.7/32

All: 1.456 ± 0.015 χ^2/NDF : 3246.3/66

- sign 1.489 ± 0.022 χ^2/NDF : 1981.0/33

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -32.262+/-0.242 χ^2/NDF : 2111.5/15

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

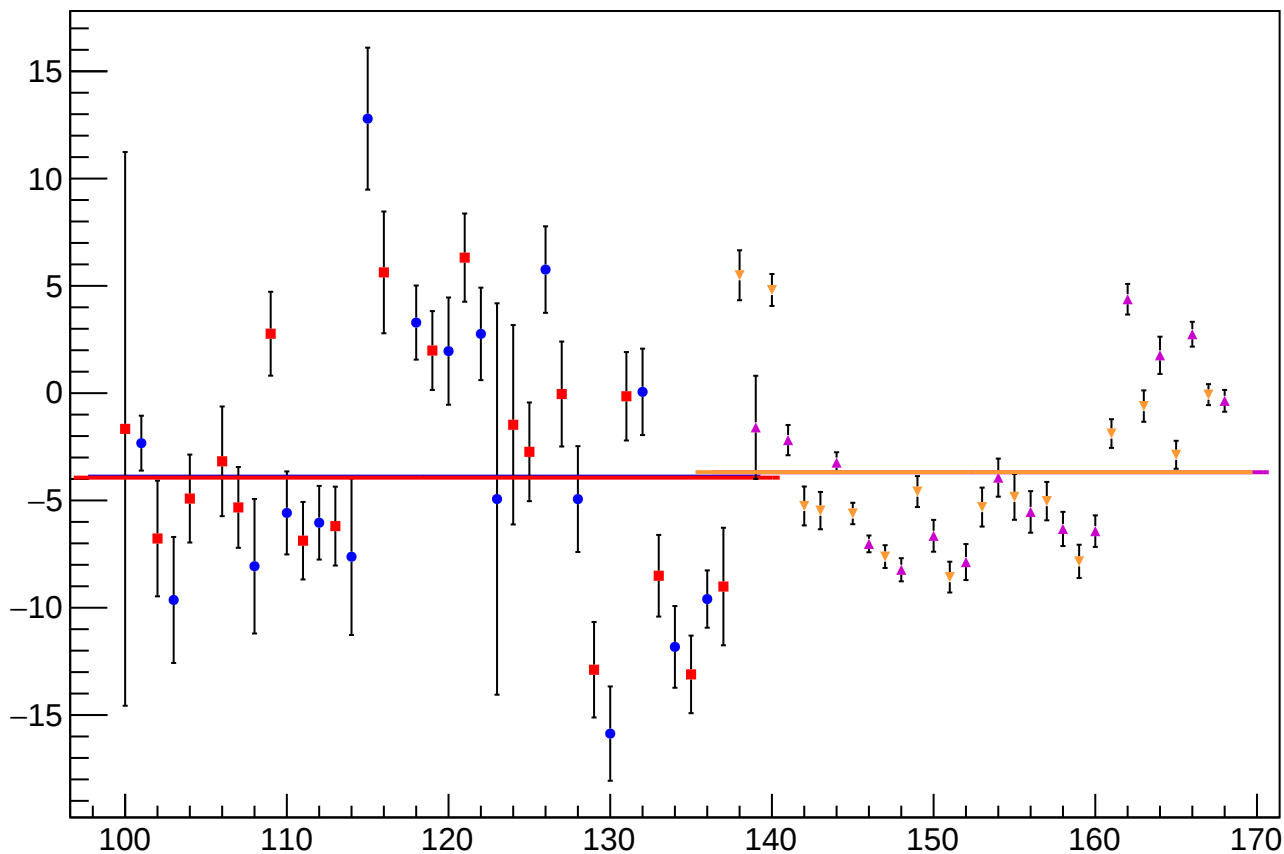
Left In: -30.353+/-0.232 χ^2/NDF : 2651.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.269+/-0.167 χ^2/NDF : 4795.1/30

- 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: -3.682 ± 0.176 $\chi^2/\text{NDF}: 433.7/15$

Right Out: -3.937 ± 0.507 $\chi^2/\text{NDF}: 122.2/18$

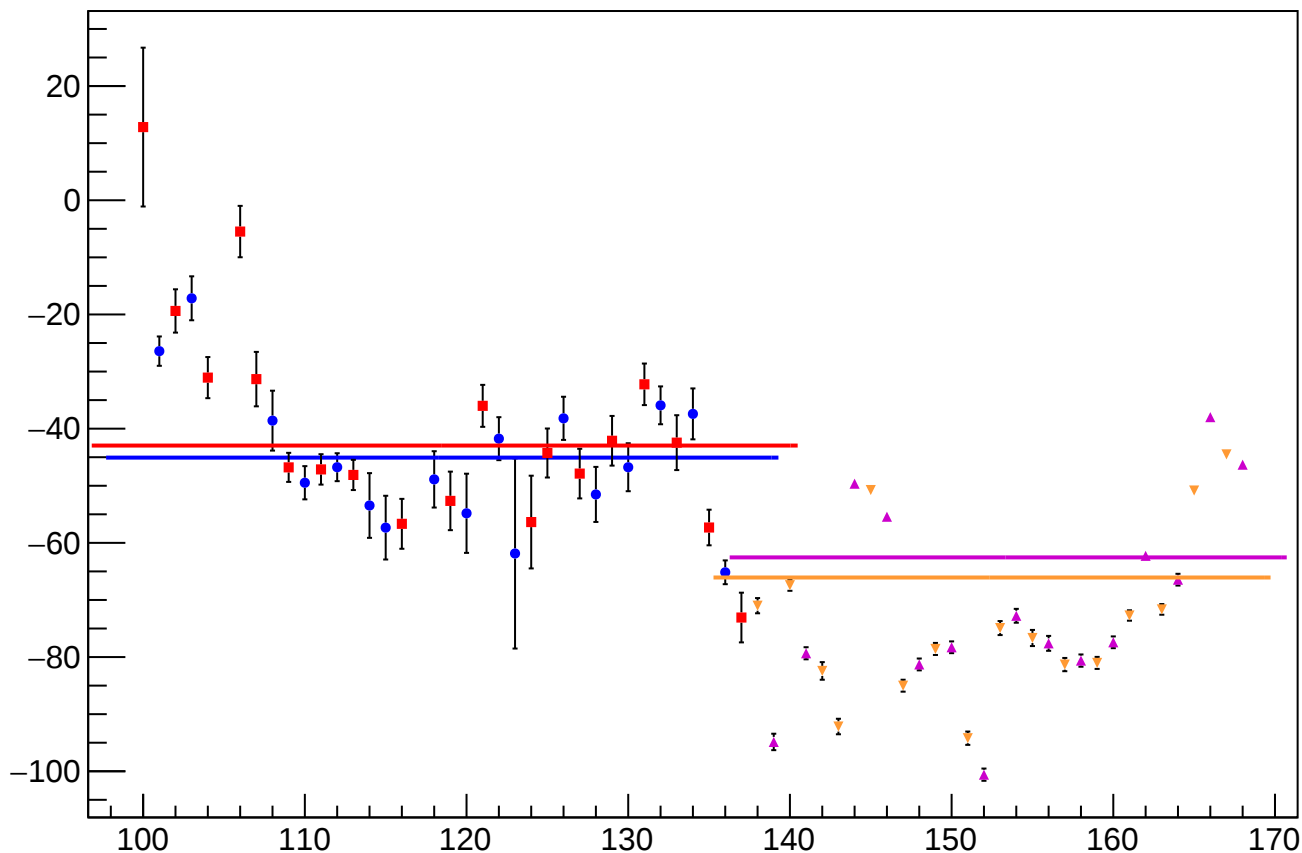
Left In: -3.686 ± 0.168 $\chi^2/\text{NDF}: 553.2/14$

+ sign -3.705 ± 0.166 $\chi^2/\text{NDF}: 594.3/32$

All: -3.708 ± 0.115 $\chi^2/\text{NDF}: 1269.9/66$

- sign -3.710 ± 0.159 $\chi^2/\text{NDF}: 675.6/33$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -66.066 ± 0.241 χ^2/NDF : 4417.7/15

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

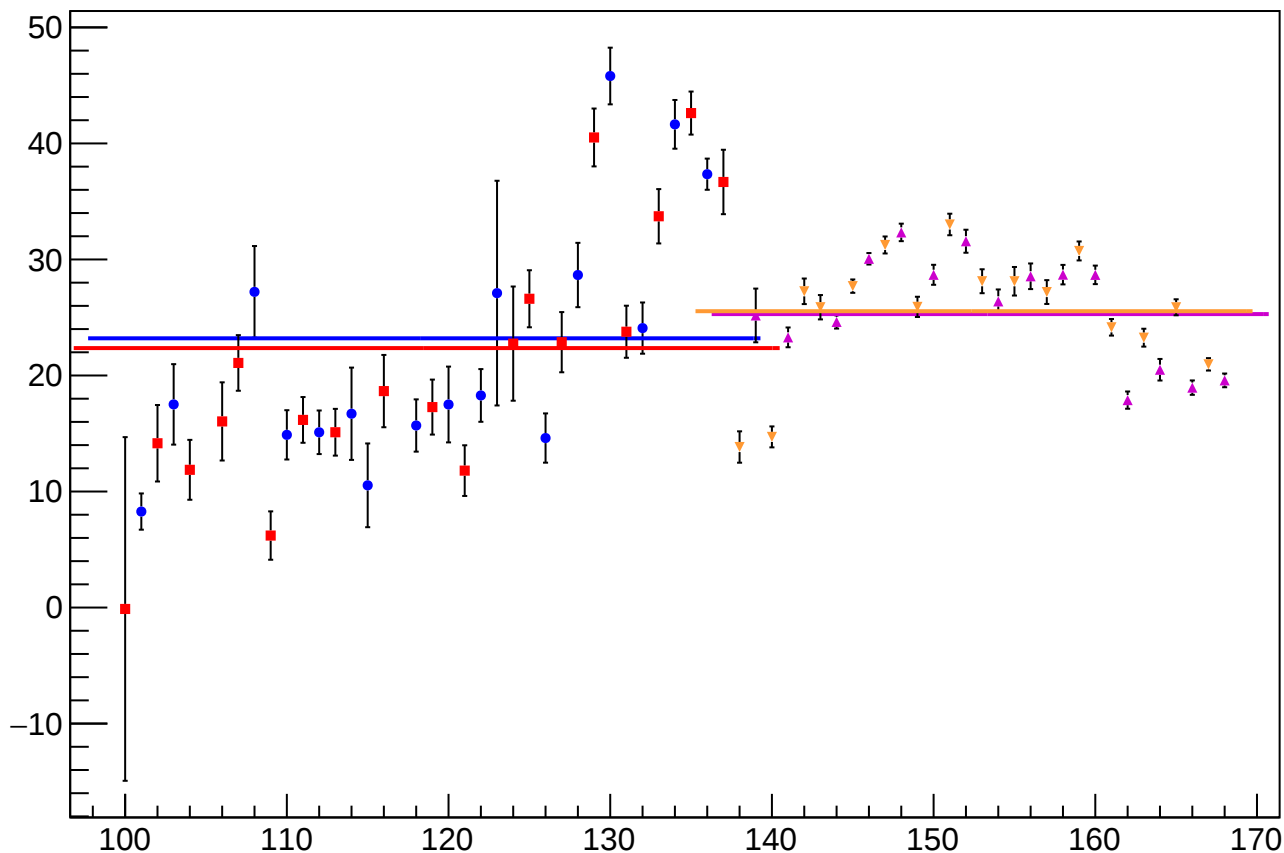
Left In: -62.546 ± 0.229 χ^2/NDF : 5849.2/14

+ sign -64.612 ± 0.233 χ^2/NDF : 5173.2/32

All: -62.875 ± 0.160 χ^2/NDF : 11843.4/66

- sign -61.296 ± 0.222 χ^2/NDF : 6563.6/33

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 25.541 $\pm$ 0.204 χ^2 /NDF: 501.1/15

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

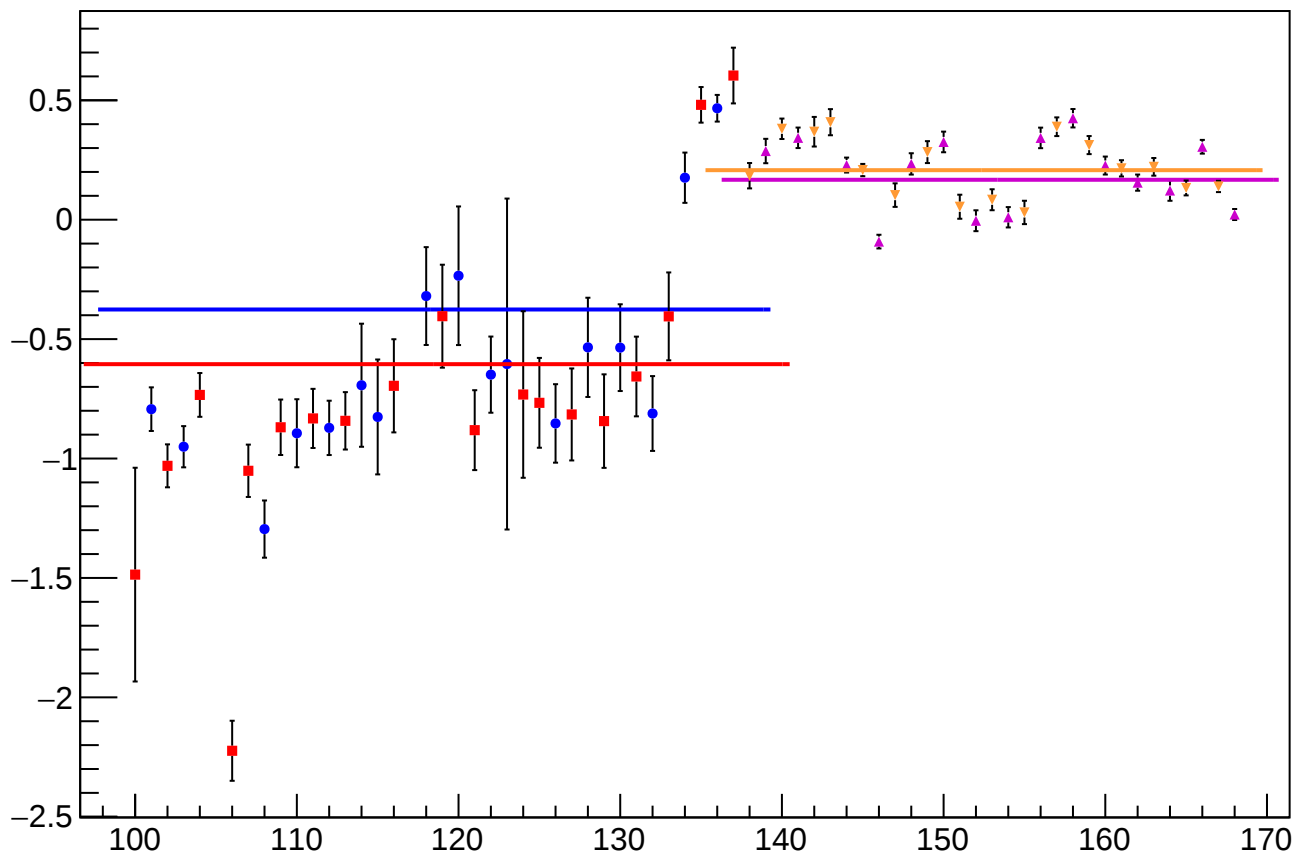
Left In: 25.292 $\pm$ 0.196 χ^2 /NDF: 610.2/14

+ sign 25.267 $\pm$ 0.191 χ^2 /NDF: 973.8/32

All: 25.121 $\pm$ 0.133 χ^2 /NDF: 1975.4/66

- sign 24.984 $\pm$ 0.186 χ^2 /NDF: 1000.5/33

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.207 ± 0.010 $\chi^2/\text{NDF}: 117.9/15$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

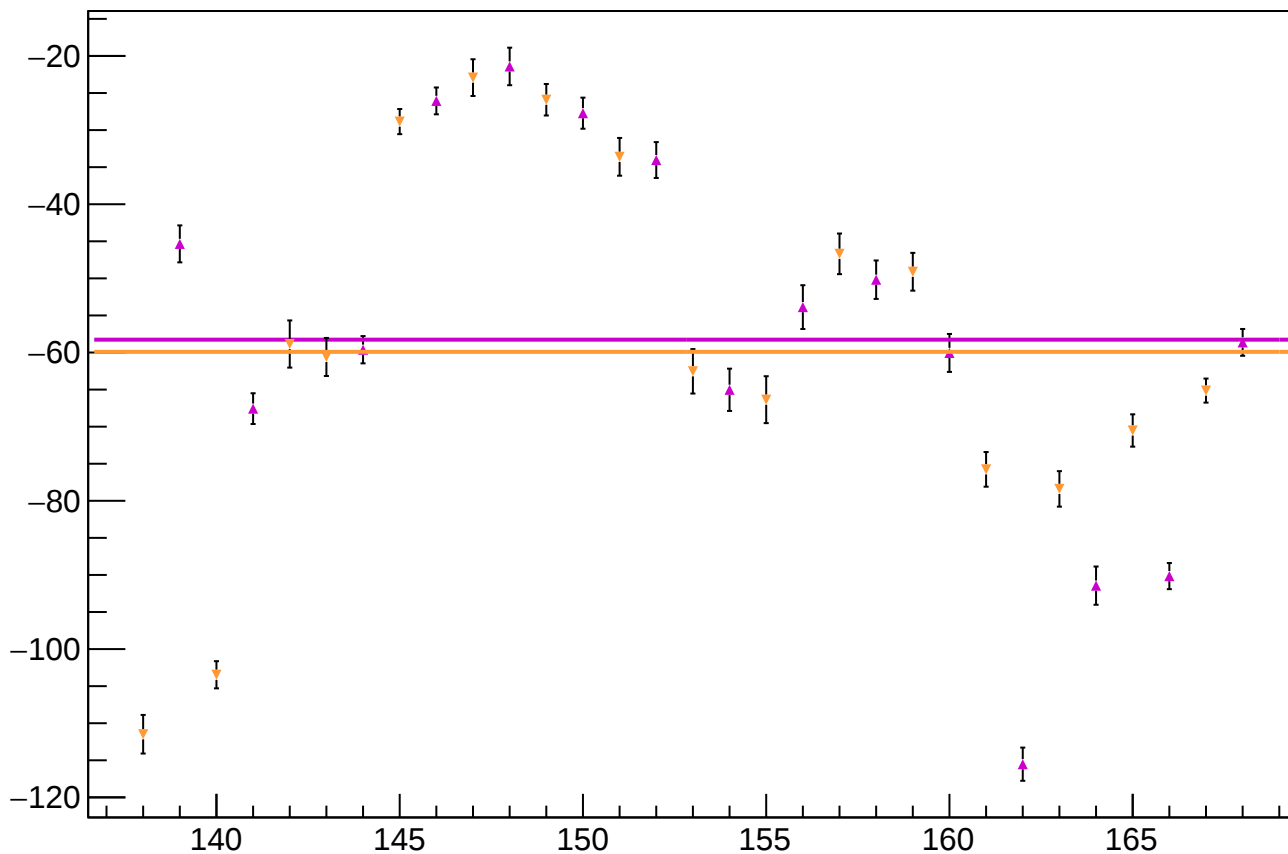
Left In: 0.167 ± 0.009 $\chi^2/\text{NDF}: 280.3/14$

+ sign 0.154 ± 0.009 $\chi^2/\text{NDF}: 896.1/32$

All: 0.127 ± 0.006 $\chi^2/\text{NDF}: 2341.8/66$

- sign 0.101 ± 0.009 $\chi^2/\text{NDF}: 1428.2/33$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -59.908+/-0.575 χ^2/NDF : 2064.5/15

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

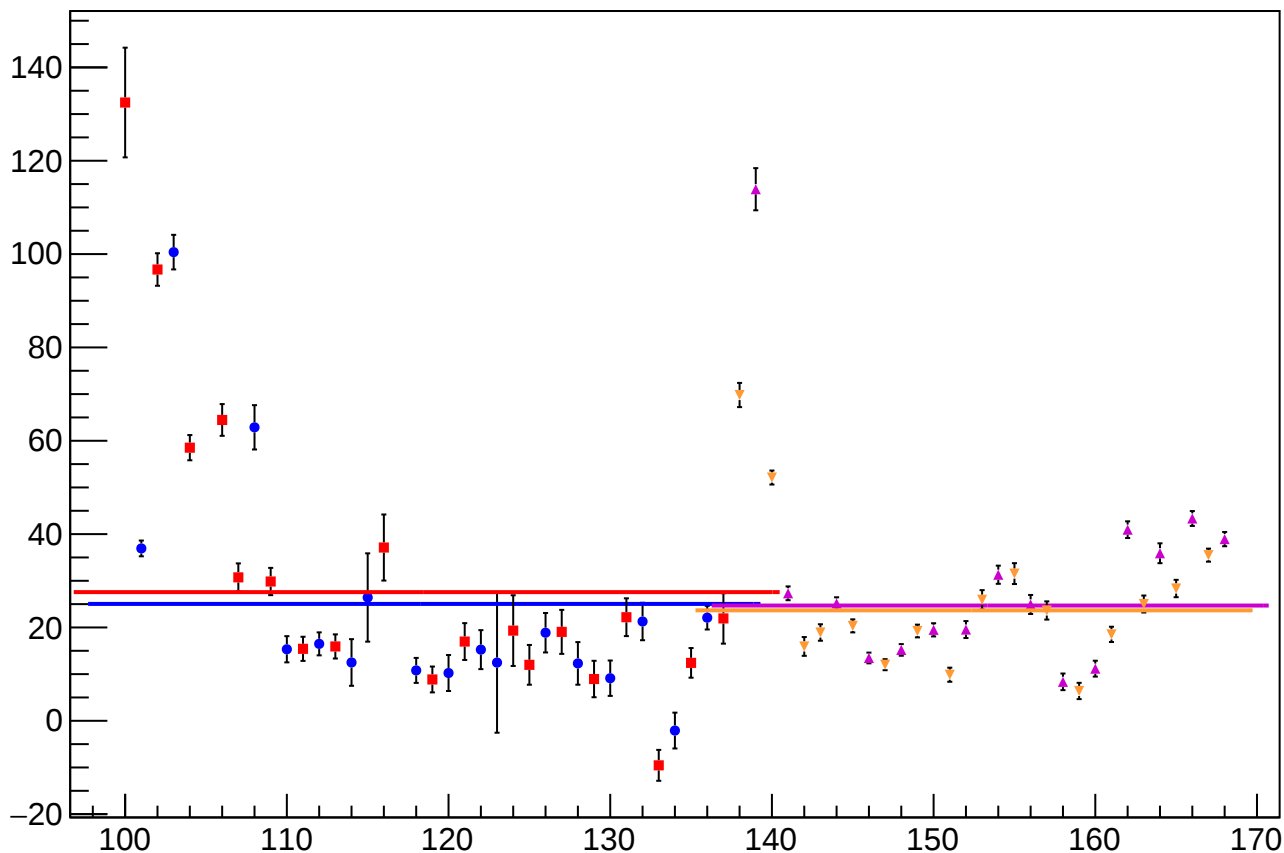
Left In: -58.267+/-0.571 χ^2/NDF : 2053.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -59.083+/-0.405 χ^2/NDF : 4122.6/30

- 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: 23.666 $\pm$ 0.413 χ^2 /NDF:1095.1/15

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

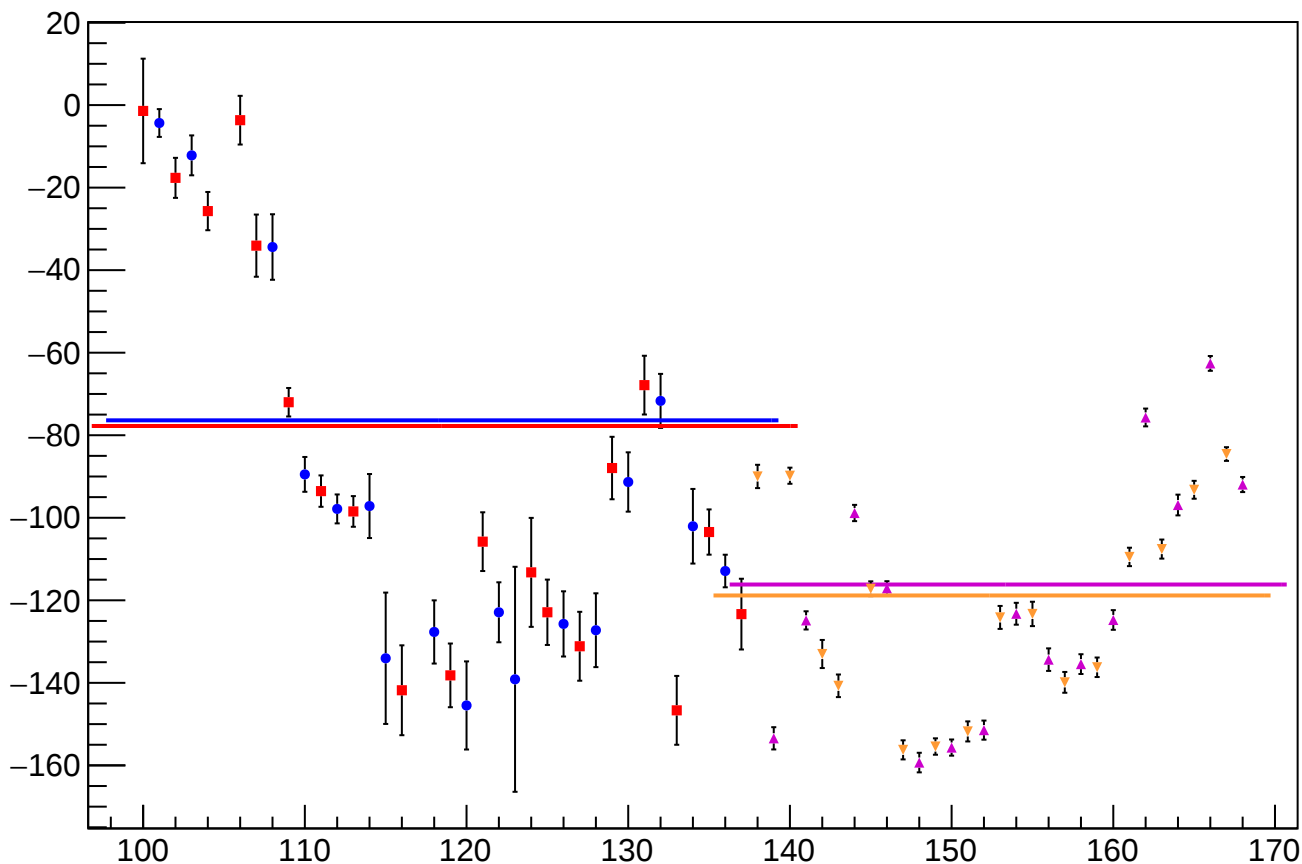
Left In: 24.696 $\pm$ 0.415 χ^2 /NDF:1061.2/14

+ sign 23.952 $\pm$ 0.368 χ^2 /NDF: 1783.8/32

All: 24.620 $\pm$ 0.261 χ^2 /NDF: 3874.5/66

- sign 25.294 $\pm$ 0.369 χ^2 /NDF: 2084.0/33

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -118.827 ± 0.571 χ^2/NDF : 1928.5/15

Right Out: -77.761 ± 1.353 χ^2/NDF : 872.7/18

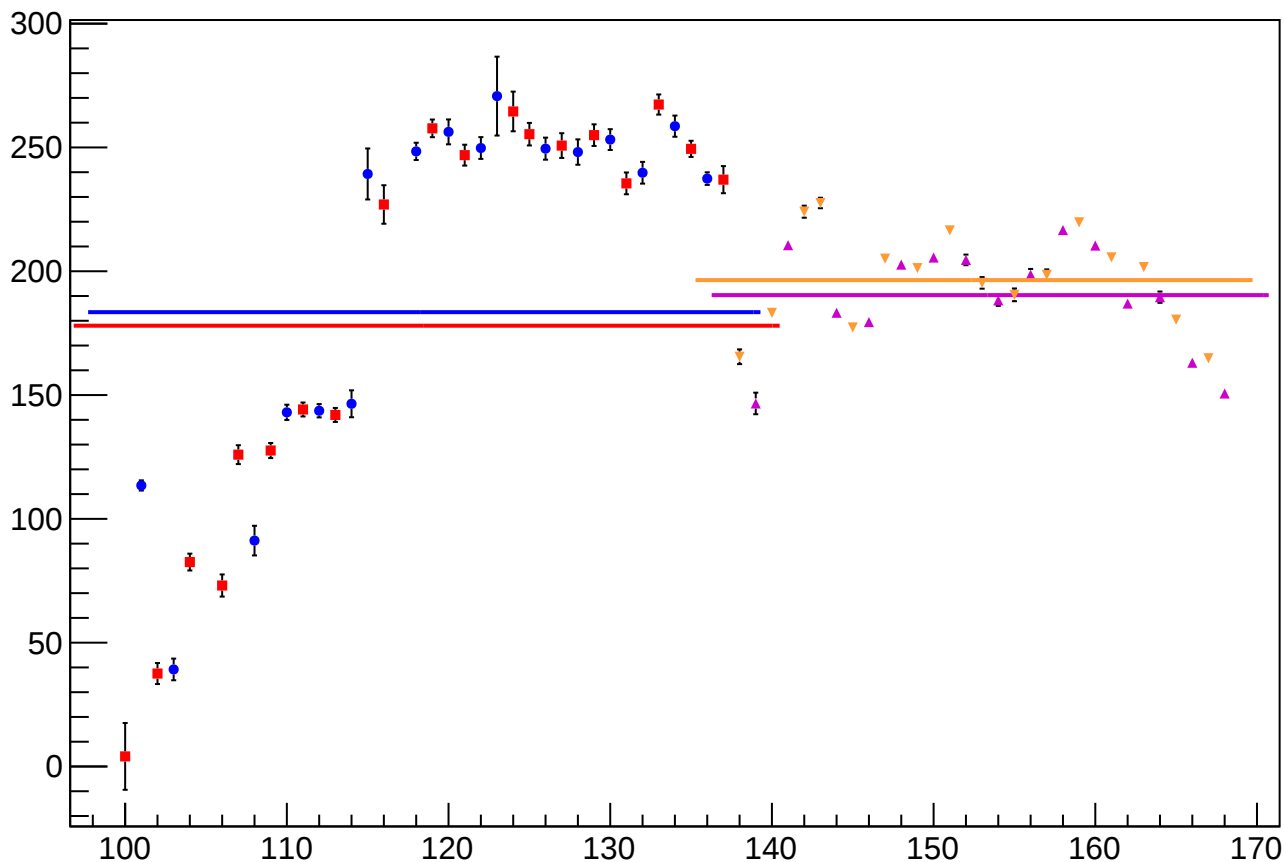
Left In: -116.174 ± 0.562 χ^2/NDF : 2861.0/14

+ sign -112.902 ± 0.529 χ^2/NDF : 3732.9/32

All: -111.687 ± 0.371 χ^2/NDF : 8164.5/66

- sign -110.519 ± 0.519 χ^2/NDF : 4421.2/33

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 196.422 $\pm$ 0.481 χ^2 /NDF:1490.2/15

Right Out: 178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

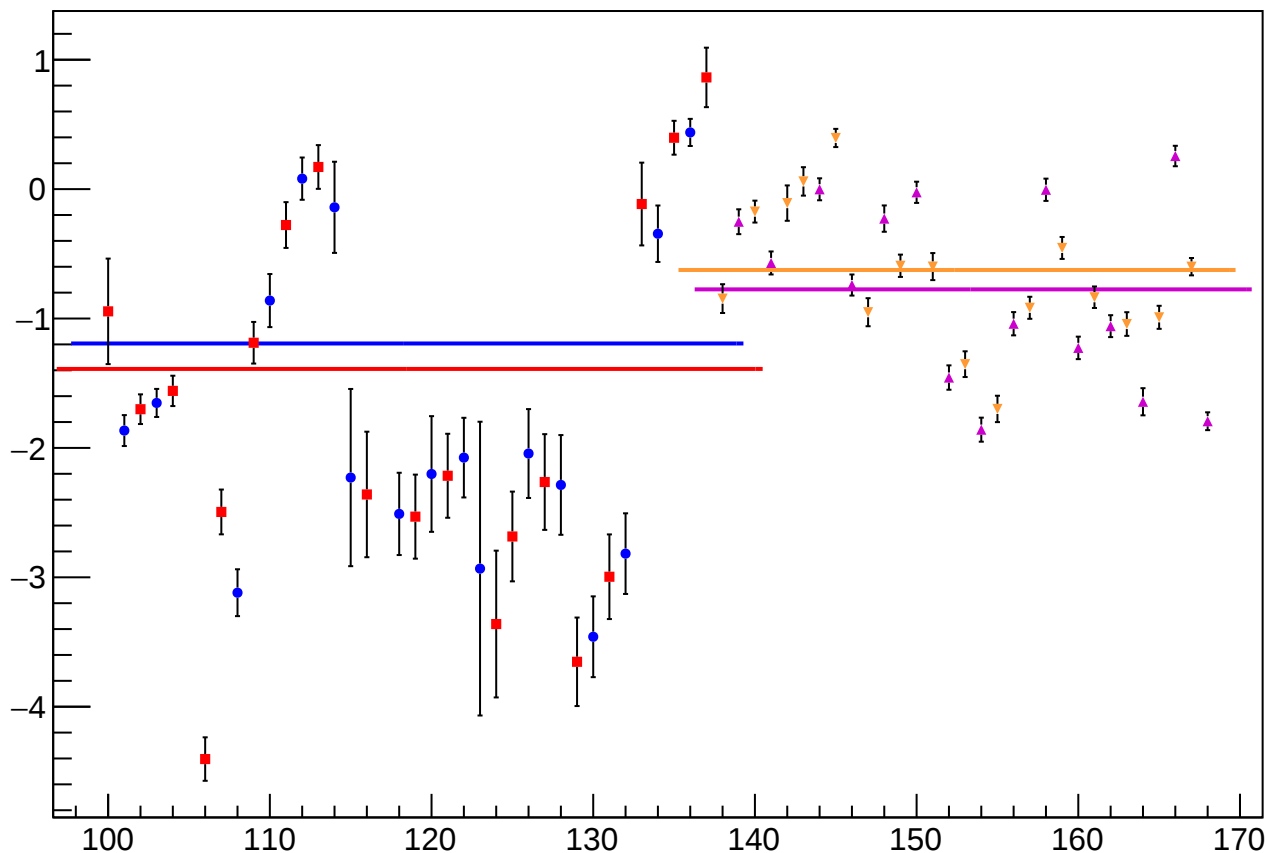
Left In: 190.366 $\pm$ 0.483 χ^2 /NDF:1574.1/14

+ sign 193.642 $\pm$ 0.426 χ^2 /NDF: 6977.5/32

All: 190.693 $\pm$ 0.302 χ^2 /NDF: 15134.2/66

- sign 187.718 $\pm$ 0.428 χ^2 /NDF: 8060.3/33

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.625 ± 0.023 χ^2/NDF : 529.8/15

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

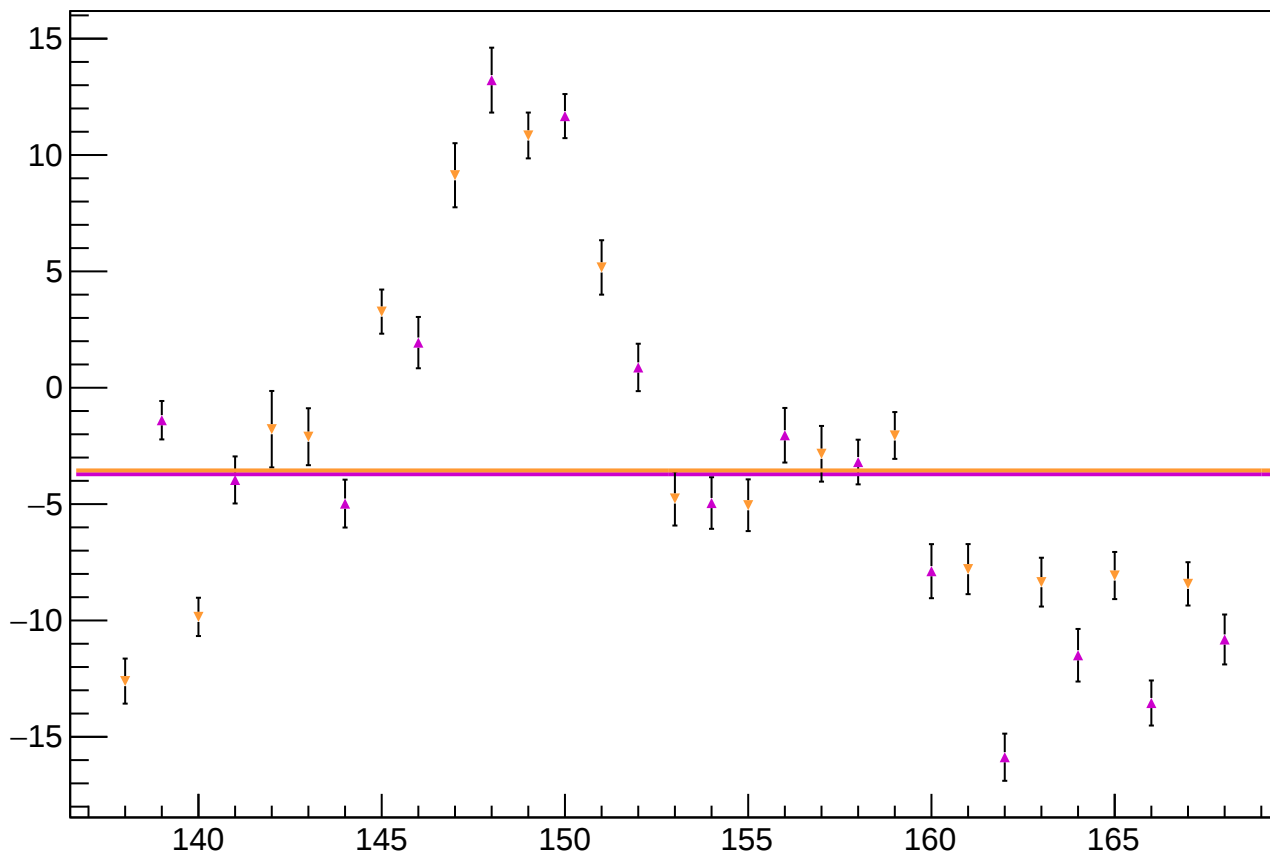
Left In: -0.775 ± 0.022 χ^2/NDF : 1003.6/14

+ sign -0.727 ± 0.020 χ^2/NDF : 1265.5/32

All: -0.812 ± 0.014 χ^2/NDF : 3368.3/66

- sign -0.893 ± 0.020 χ^2/NDF : 2069.4/33

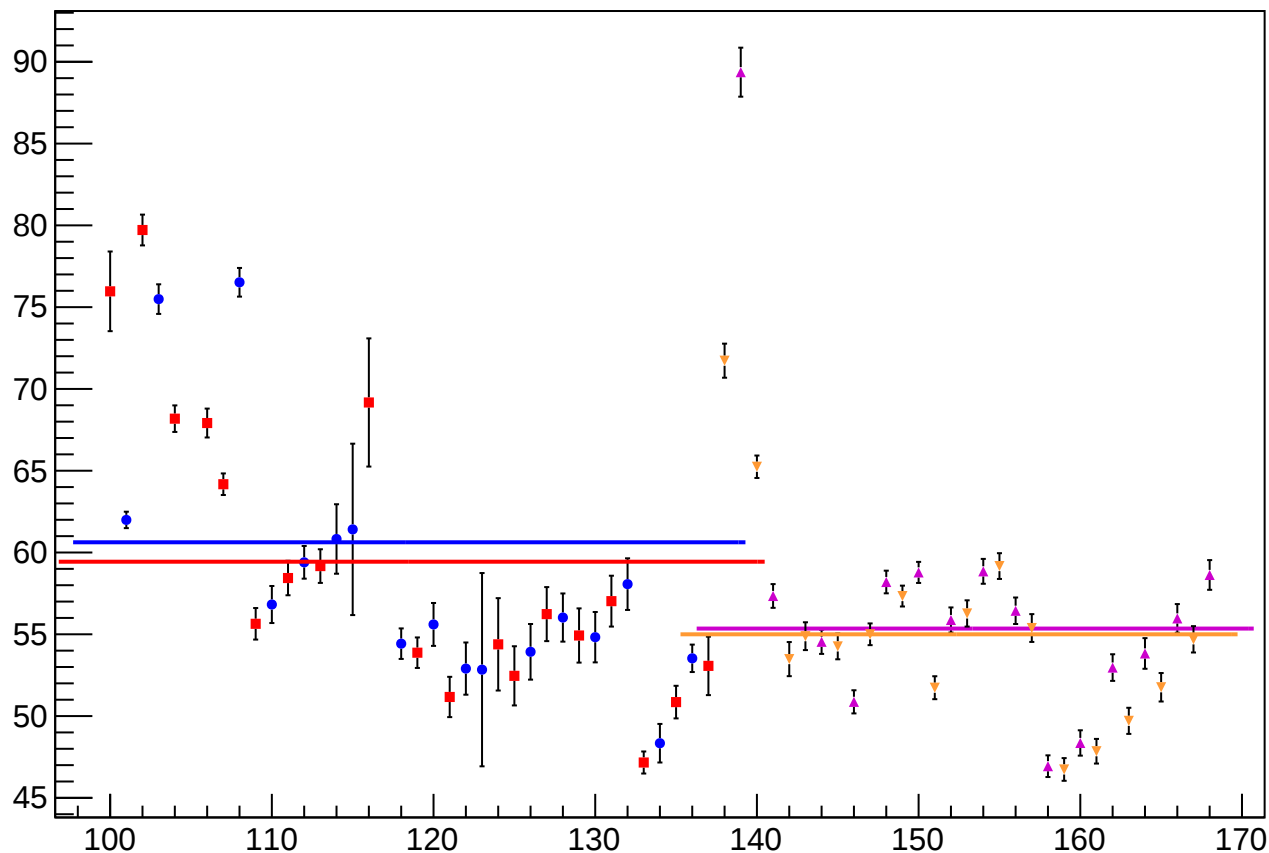
reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -3.553+/-0.266 χ^2/NDF : 643.9/15
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -3.716+/-0.269 χ^2/NDF : 822.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
All: -3.634+/-0.189 χ^2/NDF : 1466.3/30
- 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: 54.999 $\pm$ 0.194 χ^2 /NDF: 839.5/15

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18

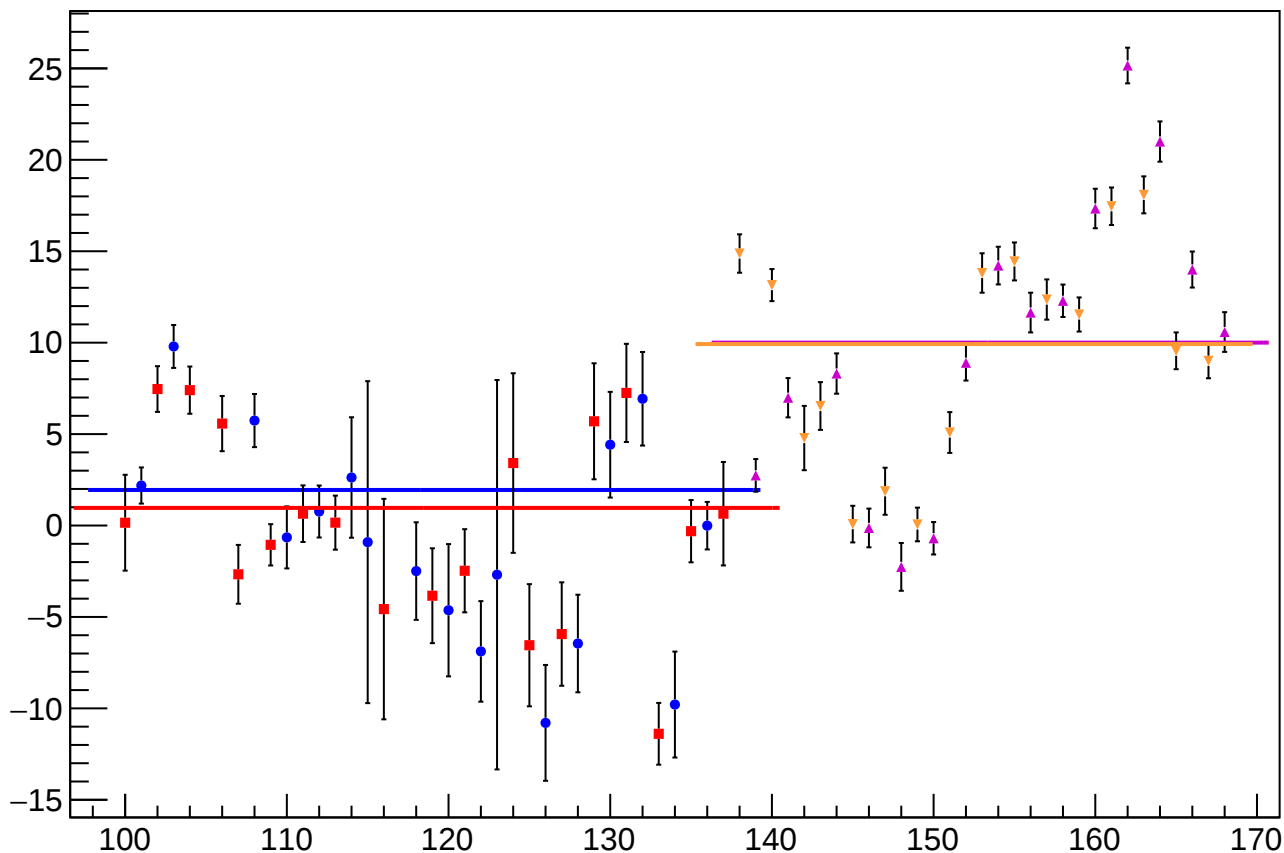
Left In: 55.349 $\pm$ 0.201 χ^2 /NDF: 900.2/14

+ sign 56.983 $\pm$ 0.156 χ^2 /NDF: 2060.2/32

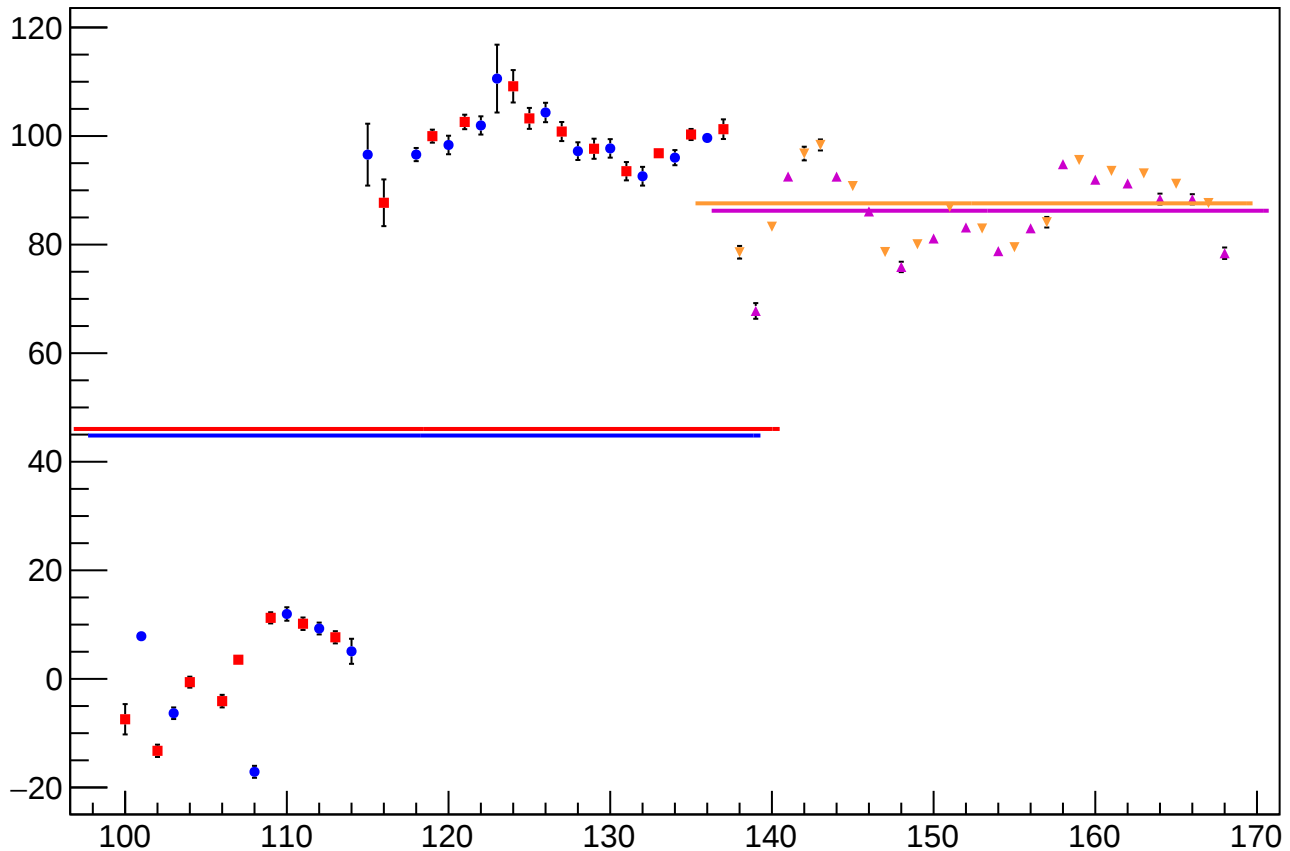
All: 56.978 $\pm$ 0.110 χ^2 /NDF: 4447.8/66

- sign 56.974 $\pm$ 0.156 χ^2 /NDF: 2387.6/33

reg_asym_sam5_diff_bpm4eX_slope vs Slug



reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 $\pm$ 0.305 χ^2 /NDF: 24763.1/16

Left Out: 87.600 $\pm$ 0.223 χ^2 /NDF:811.3/15

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

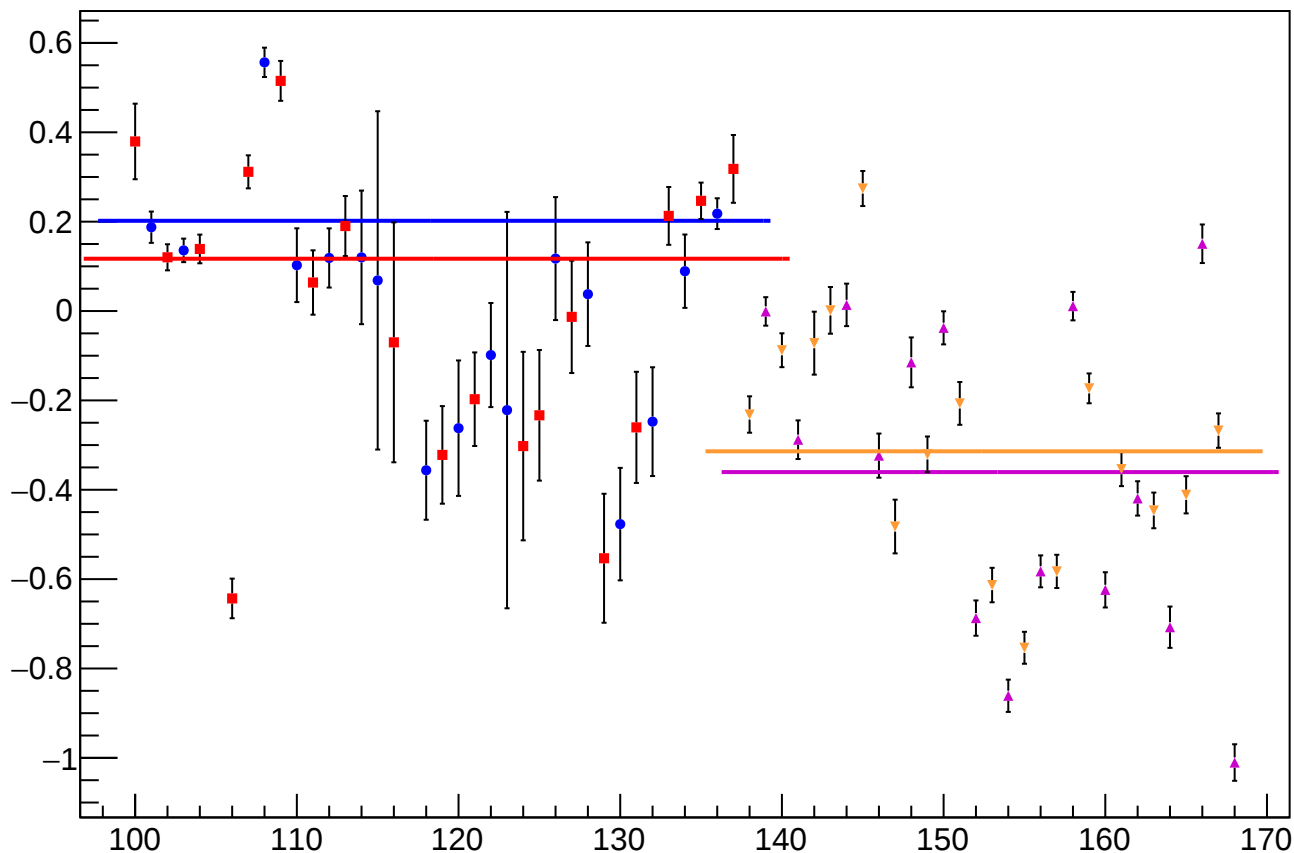
Left In: 86.239 $\pm$ 0.230 χ^2 /NDF:825.1/14

+ sign 72.635 $\pm$ 0.180 χ^2 /NDF: 38387.9/32

All: 71.660 $\pm$ 0.127 χ^2 /NDF: 79359.1/66

- sign 70.687 $\pm$ 0.180 χ^2 /NDF: 40912.8/33

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.314 ± 0.010 χ^2/NDF : 626.1/15

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

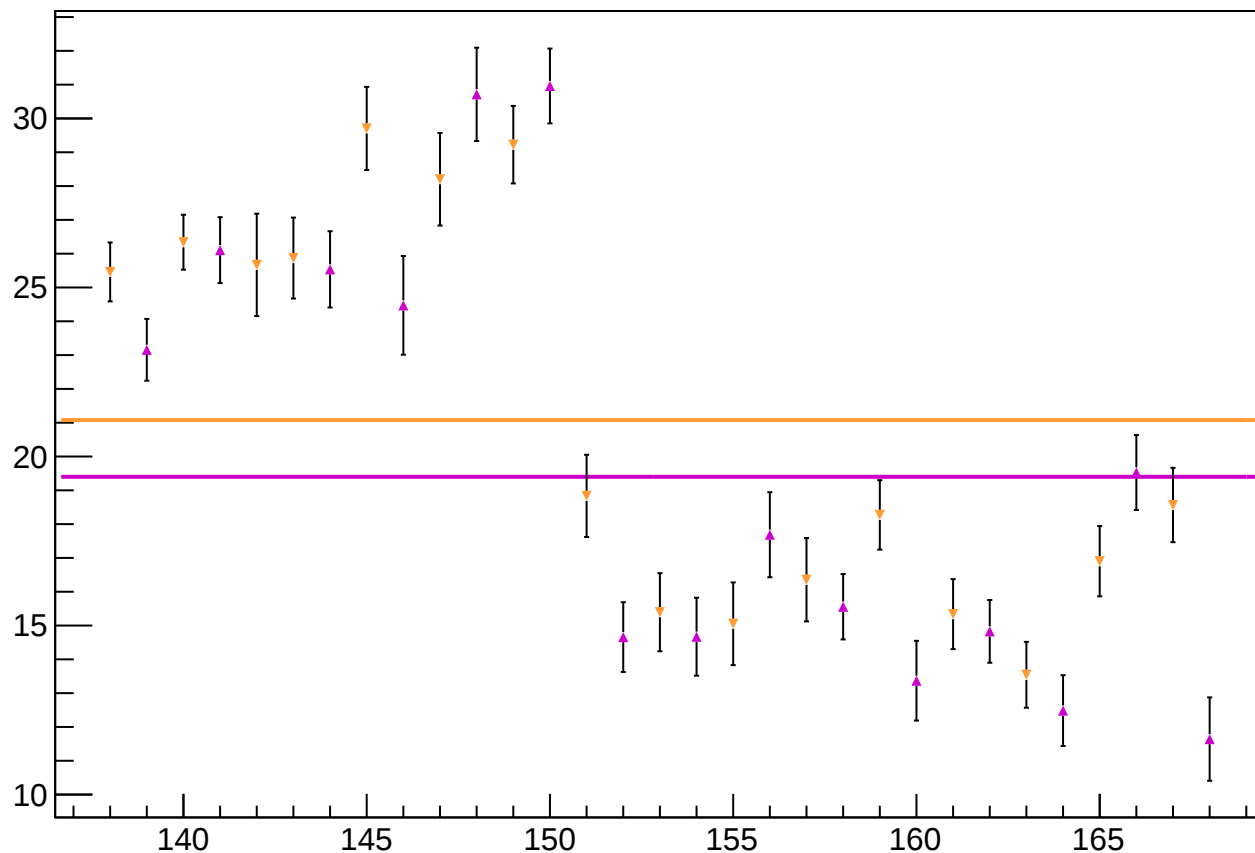
Left In: -0.360 ± 0.010 χ^2/NDF : 1219.7/14

+ sign -0.135 ± 0.008 χ^2/NDF : 1721.3/32

All: -0.157 ± 0.006 χ^2/NDF : 4284.3/66

- sign -0.178 ± 0.008 χ^2/NDF : 2548.9/33

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 21.078+/-0.274 χ^2/NDF : 405.1/15

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

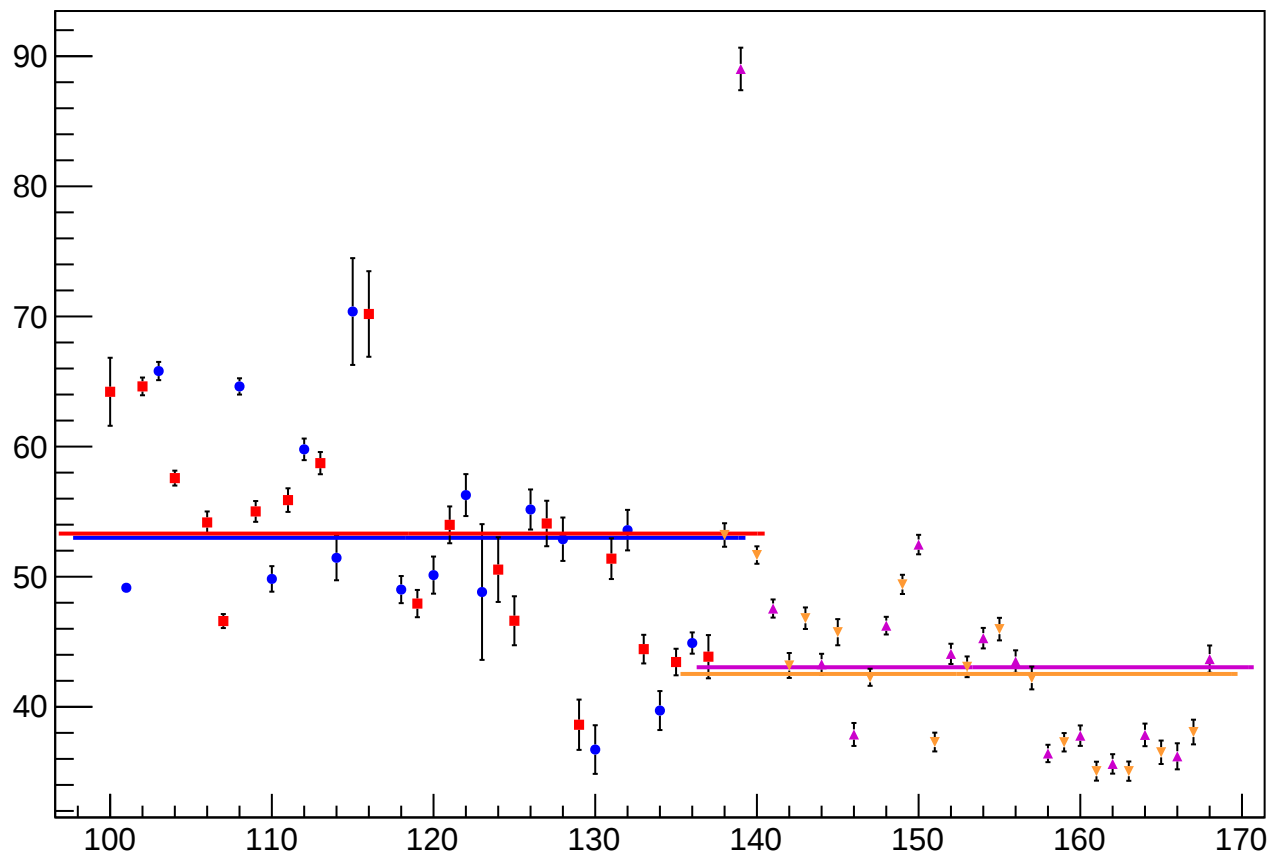
Left In: 19.400+/-0.283 χ^2/NDF : 471.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 20.267+/-0.197 χ^2/NDF : 894.8/30

- sign 0.000+/-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: 42.529 $\pm$ 0.199 χ^2 /NDF:848.2/15

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

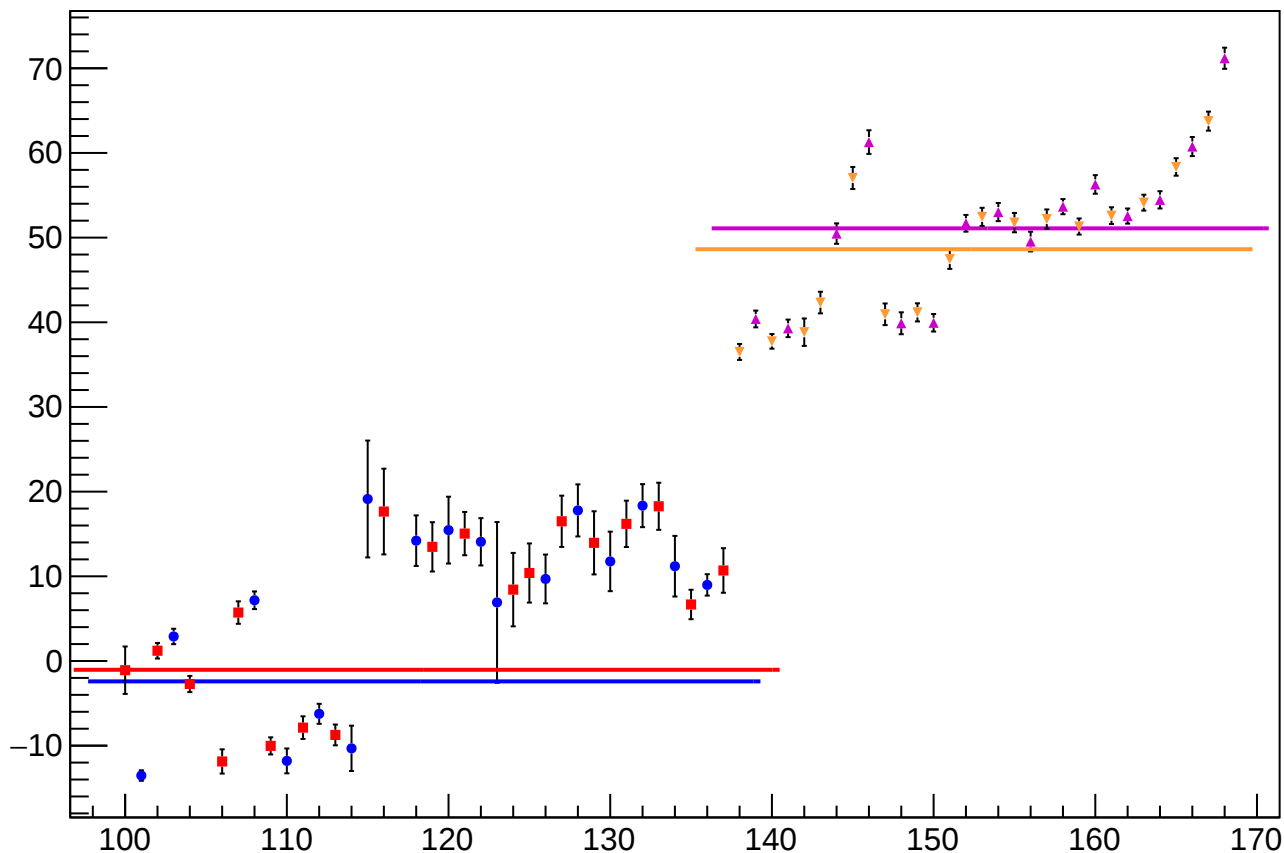
Left In: 43.043 $\pm$ 0.210 χ^2 /NDF:1383.3/14

+ sign 47.446 $\pm$ 0.145 χ^2 /NDF: 3350.1/32

All: 47.604 $\pm$ 0.105 χ^2 /NDF: 6716.9/66

- sign 47.783 $\pm$ 0.154 χ^2 /NDF: 3364.2/33

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 48.626 ± 0.271 χ^2/NDF : 868.6/15

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

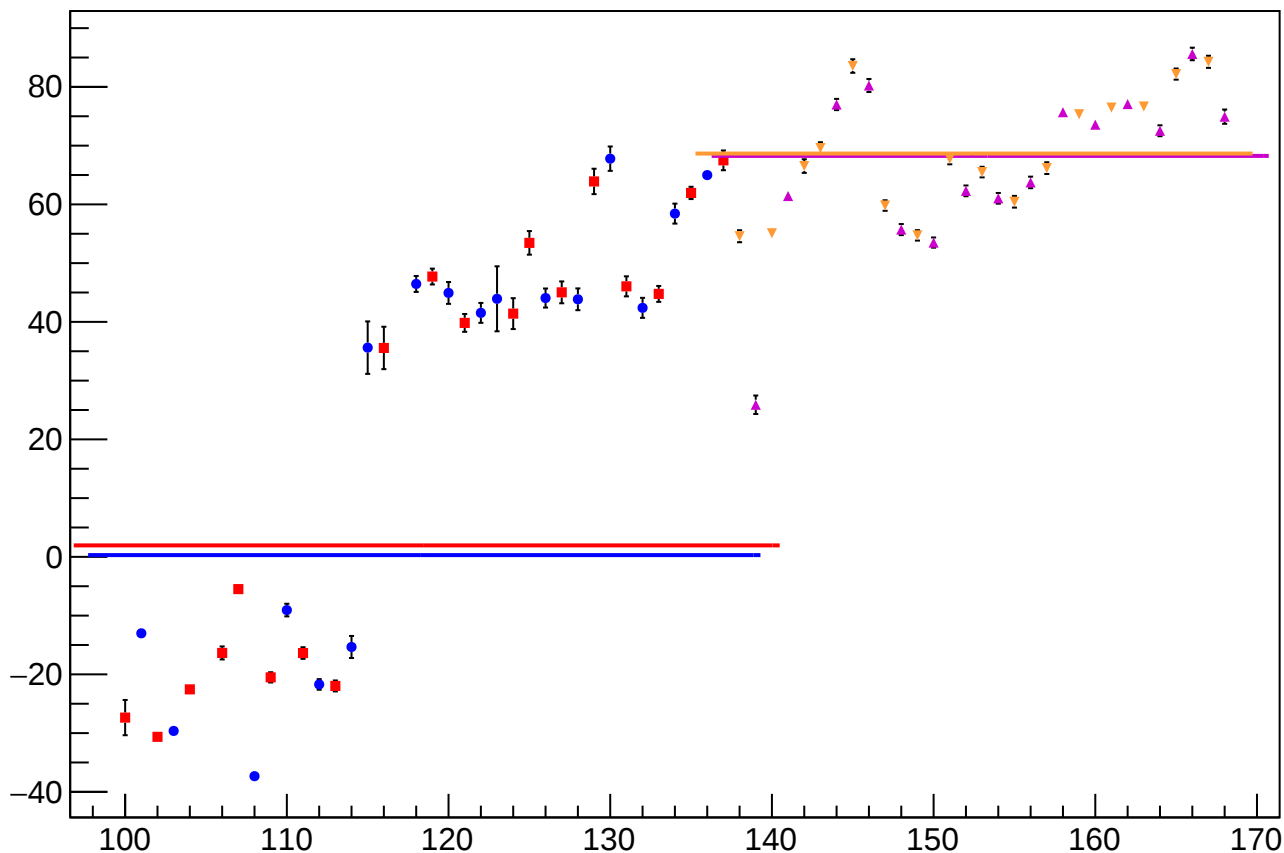
Left In: 51.094 ± 0.277 χ^2/NDF : 873.0/14

+ sign 30.479 ± 0.217 χ^2/NDF : 14349.1/32

All: 31.621 ± 0.156 χ^2/NDF : 28205.0/66

- sign 32.827 ± 0.223 χ^2/NDF : 13799.1/33

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 $\pm$ 0.247 χ^2 /NDF: 18259.2/16

Left Out: 68.653 $\pm$ 0.229 χ^2 /NDF:1788.7/15

Right Out: 1.952 $\pm$ 0.267 χ^2 /NDF: 15450.6/18

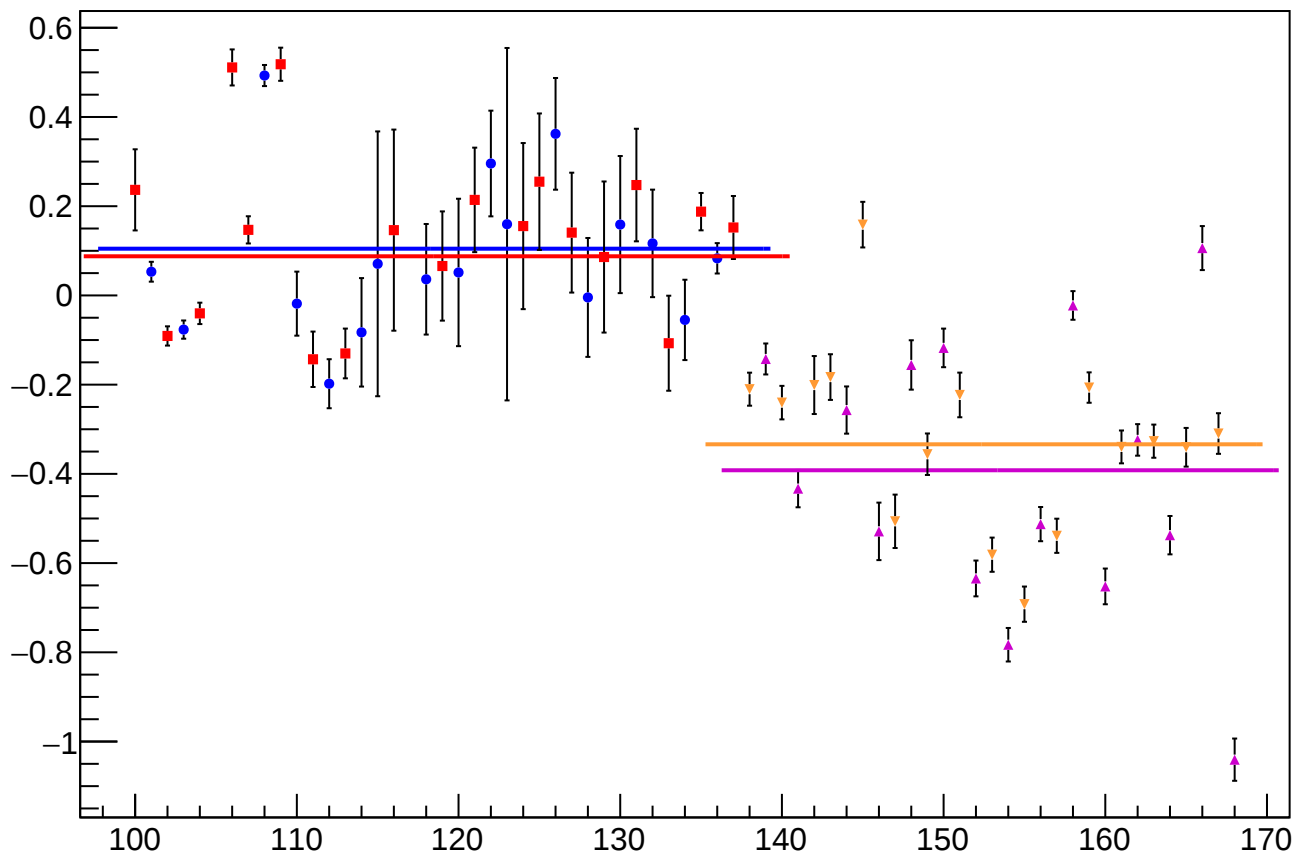
Left In: 68.253 $\pm$ 0.240 χ^2 /NDF:2179.8/14

+ sign 37.100 $\pm$ 0.168 χ^2 /NDF: 61138.7/32

All: 37.812 $\pm$ 0.122 χ^2 /NDF: 112996.7/66

- sign 38.612 $\pm$ 0.178 χ^2 /NDF: 51819.9/33

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.334 ± 0.011 χ^2/NDF : 303.3/15

Right Out: 0.088 ± 0.011 χ^2/NDF : 390.9/18

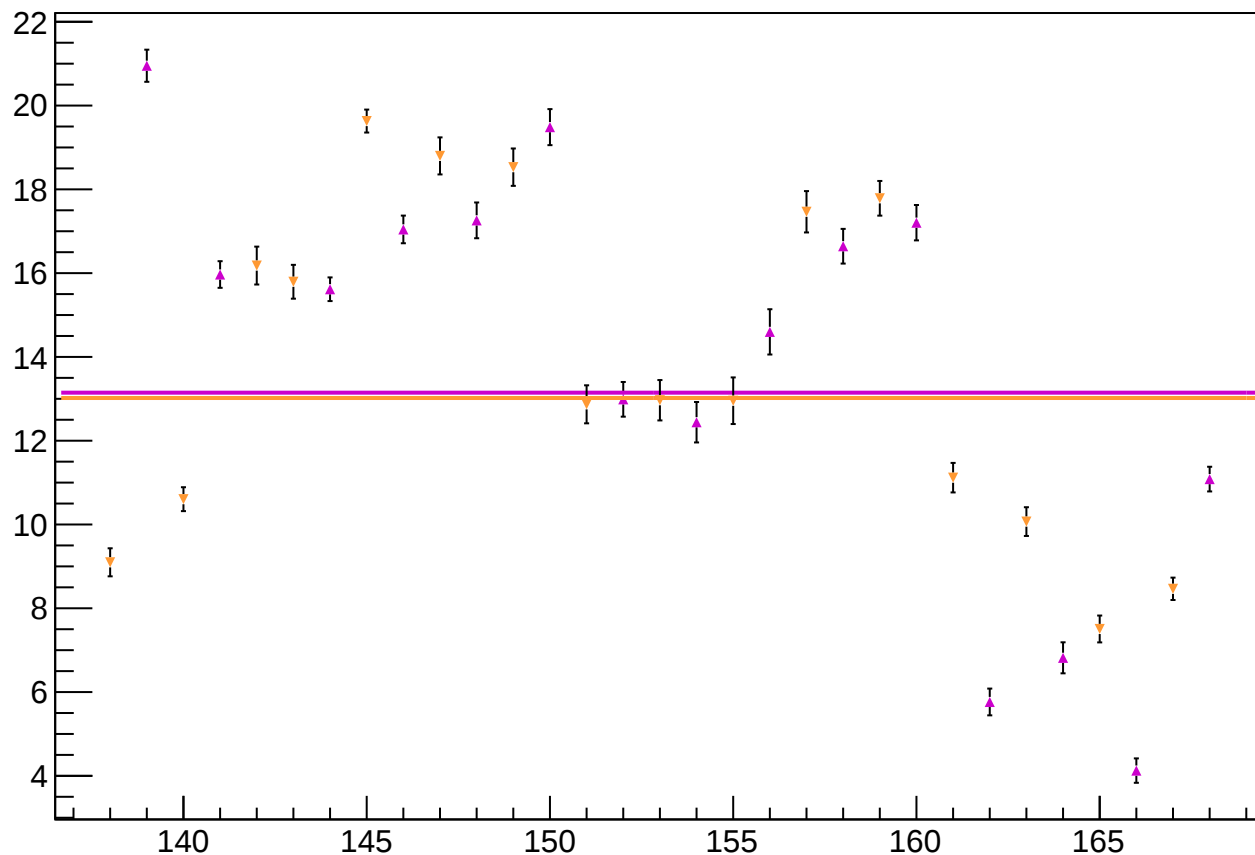
Left In: -0.392 ± 0.011 χ^2/NDF : 756.3/14

+ sign -0.124 ± 0.008 χ^2/NDF : 1525.8/32

All: -0.141 ± 0.005 χ^2/NDF : 3654.9/66

- sign -0.158 ± 0.008 χ^2/NDF : 2119.1/33

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 13.019+/-0.092 χ^2/NDF :2114.0/15

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

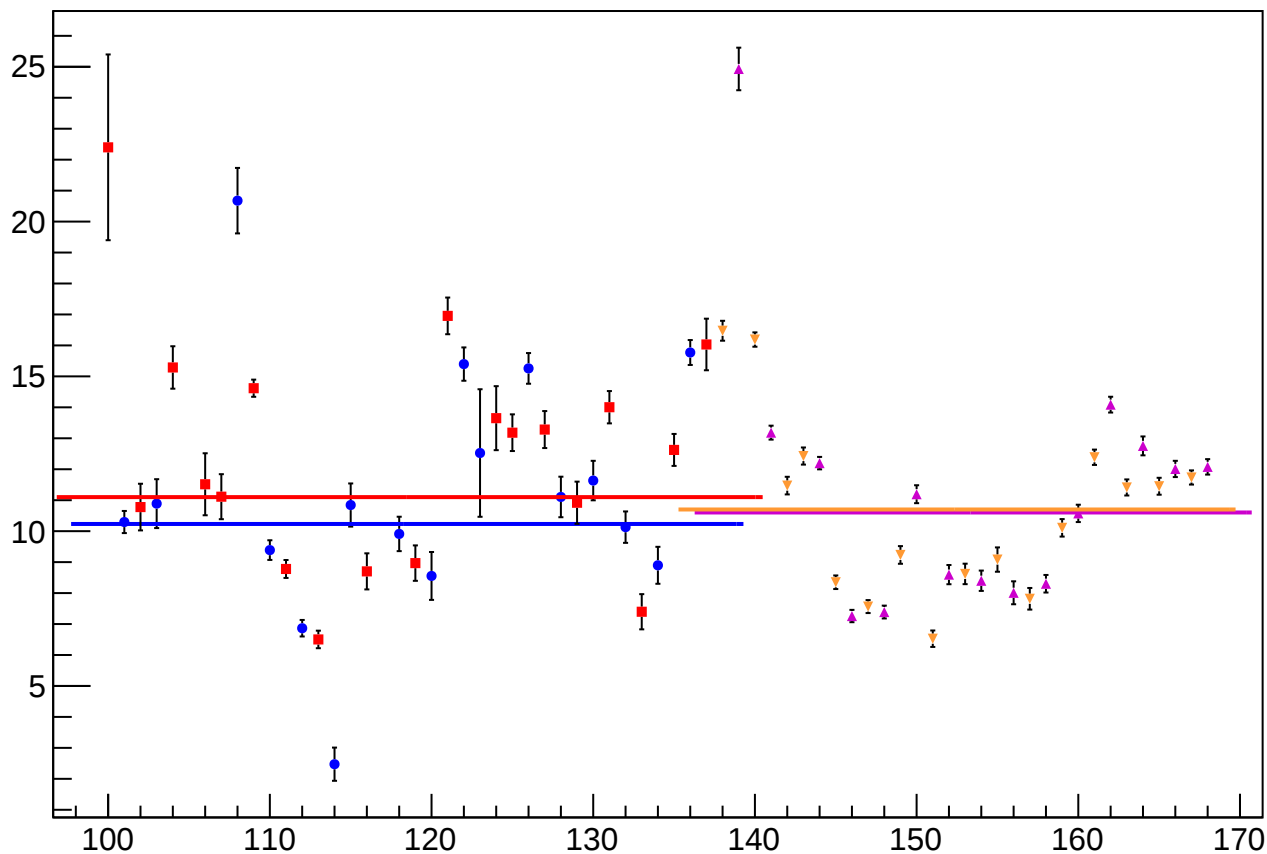
Left In: 13.147+/-0.093 χ^2/NDF :3026.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 13.082+/-0.066 χ^2/NDF : 5141.0/30

- 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: 10.700 $\pm$ 0.067 χ^2 /NDF:1754.6/15

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

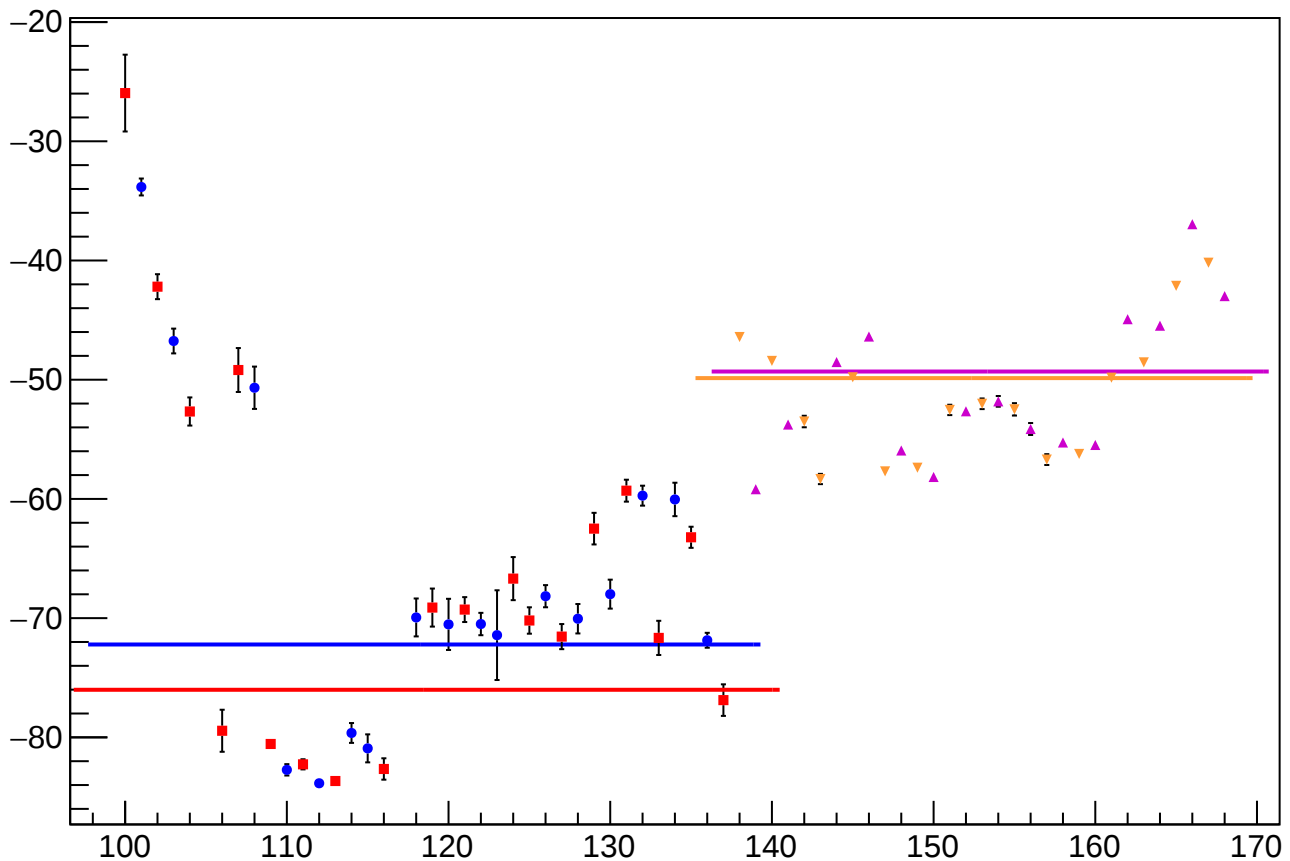
Left In: 10.604 $\pm$ 0.068 χ^2 /NDF:1656.4/14

+ sign 10.589 $\pm$ 0.058 χ^2 /NDF: 2643.0/32

All: 10.659 $\pm$ 0.041 χ^2 /NDF: 5133.6/66

- sign 10.730 $\pm$ 0.059 χ^2 /NDF: 2487.7/33

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 ± 0.198 χ^2/NDF : 5566.2/16

Left Out: -49.866 ± 0.092 χ^2/NDF : 3688.0/15

Right Out: -76.009 ± 0.181 χ^2/NDF : 3463.3/18

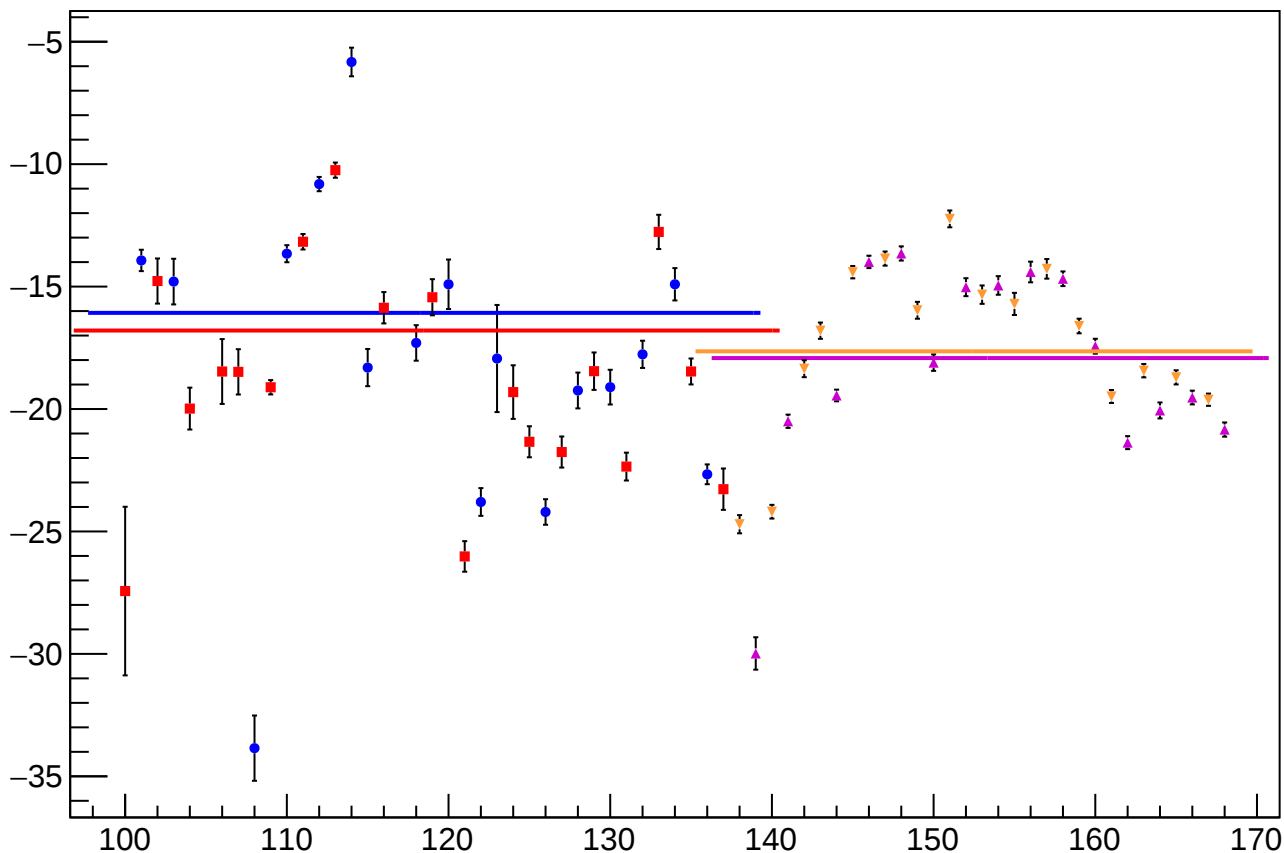
Left In: -49.313 ± 0.092 χ^2/NDF : 4776.1/14

+ sign -53.832 ± 0.083 χ^2/NDF : 19730.5/32

All: -54.335 ± 0.059 χ^2/NDF : 45308.4/66

- sign -54.823 ± 0.082 χ^2/NDF : 25506.4/33

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -17.643 ± 0.077 χ^2/NDF : 1794.2/15

Right Out: -16.795 ± 0.128 χ^2/NDF : 1216.0/18

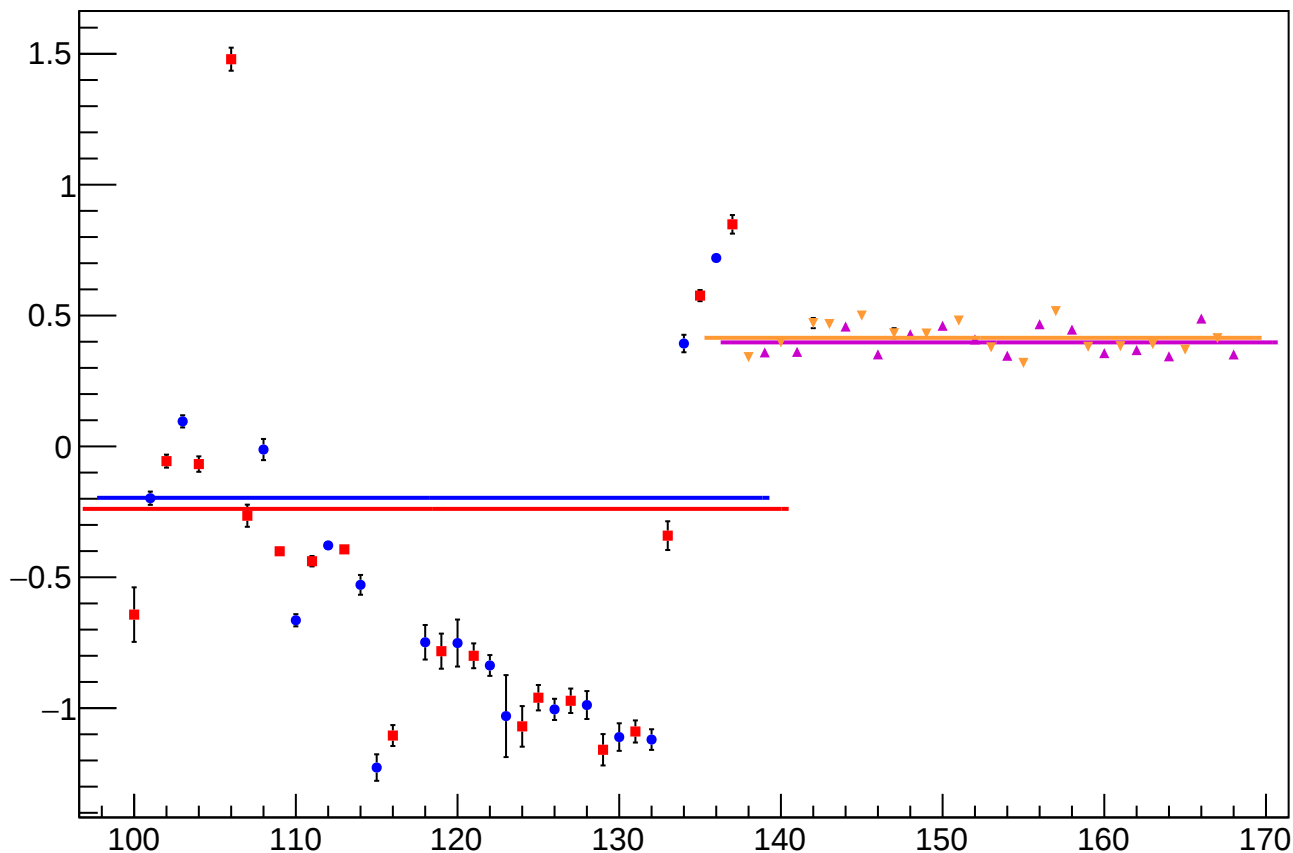
Left In: -17.919 ± 0.079 χ^2/NDF : 1579.0/14

+ sign -17.244 ± 0.067 χ^2/NDF : 3539.4/32

All: -17.425 ± 0.047 χ^2/NDF : 6404.9/66

- sign -17.609 ± 0.067 χ^2/NDF : 2850.7/33

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.415 ± 0.004 χ^2/NDF : 220.1/15

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

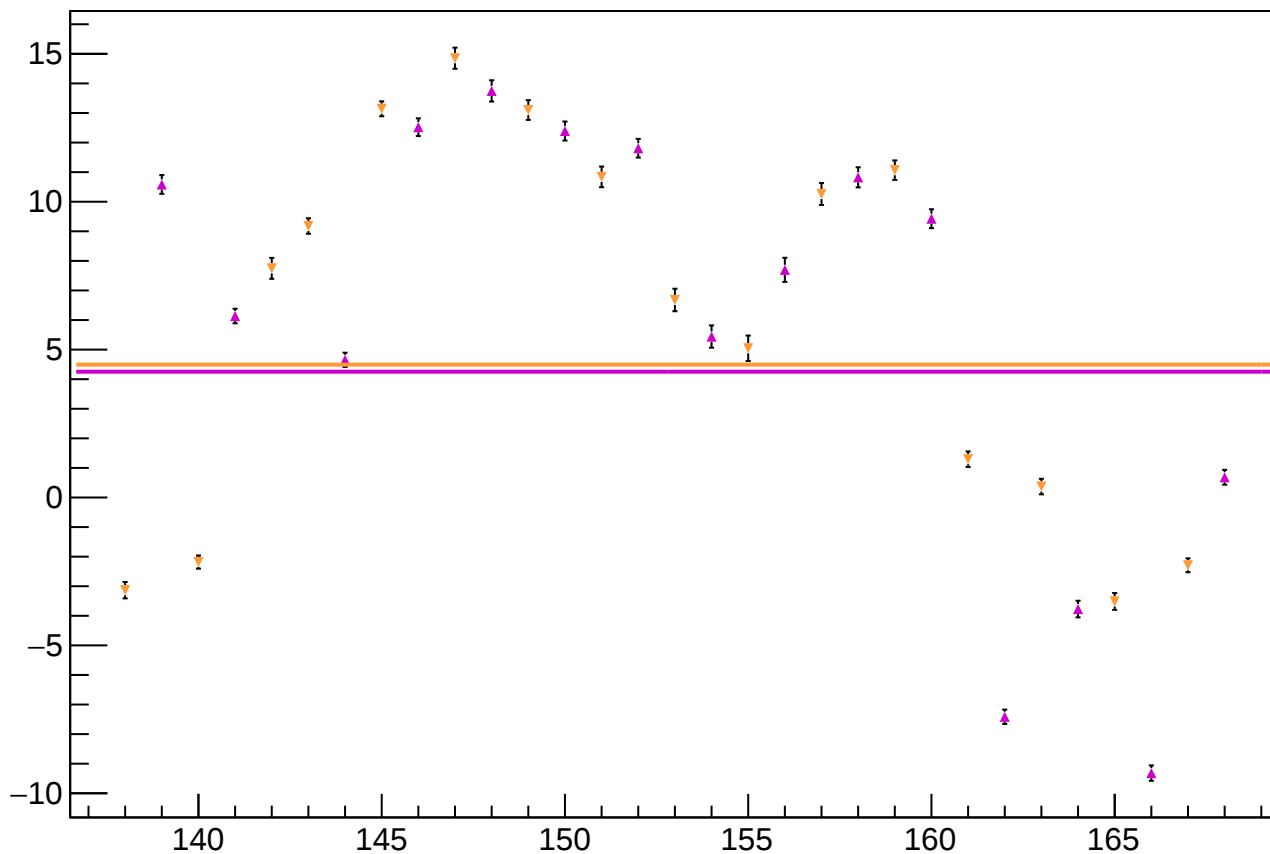
Left In: 0.397 ± 0.004 χ^2/NDF : 195.6/14

+ sign 0.299 ± 0.003 χ^2/NDF : 11866.5/32

All: 0.282 ± 0.002 χ^2/NDF : 24524.5/66

- sign 0.265 ± 0.003 χ^2/NDF : 12604.2/33

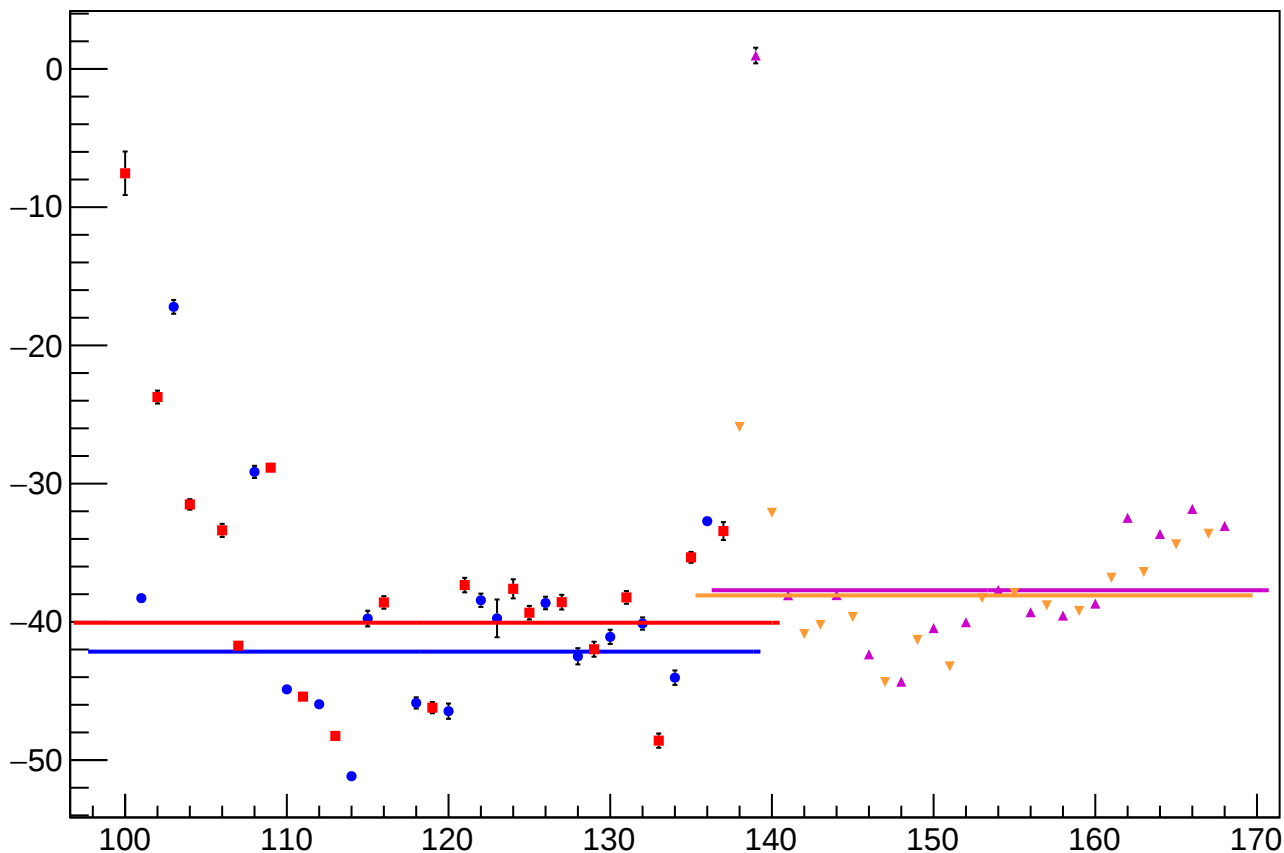
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.492+/-0.074 χ^2/NDF : 7769.5/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.253+/-0.076 χ^2/NDF : 9908.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 4.376+/-0.053 χ^2/NDF : 17683.1/30
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -38.088 ± 0.053 χ^2/NDF : 6578.2/15

Right Out: -40.062 ± 0.073 χ^2/NDF : 11322.2/18

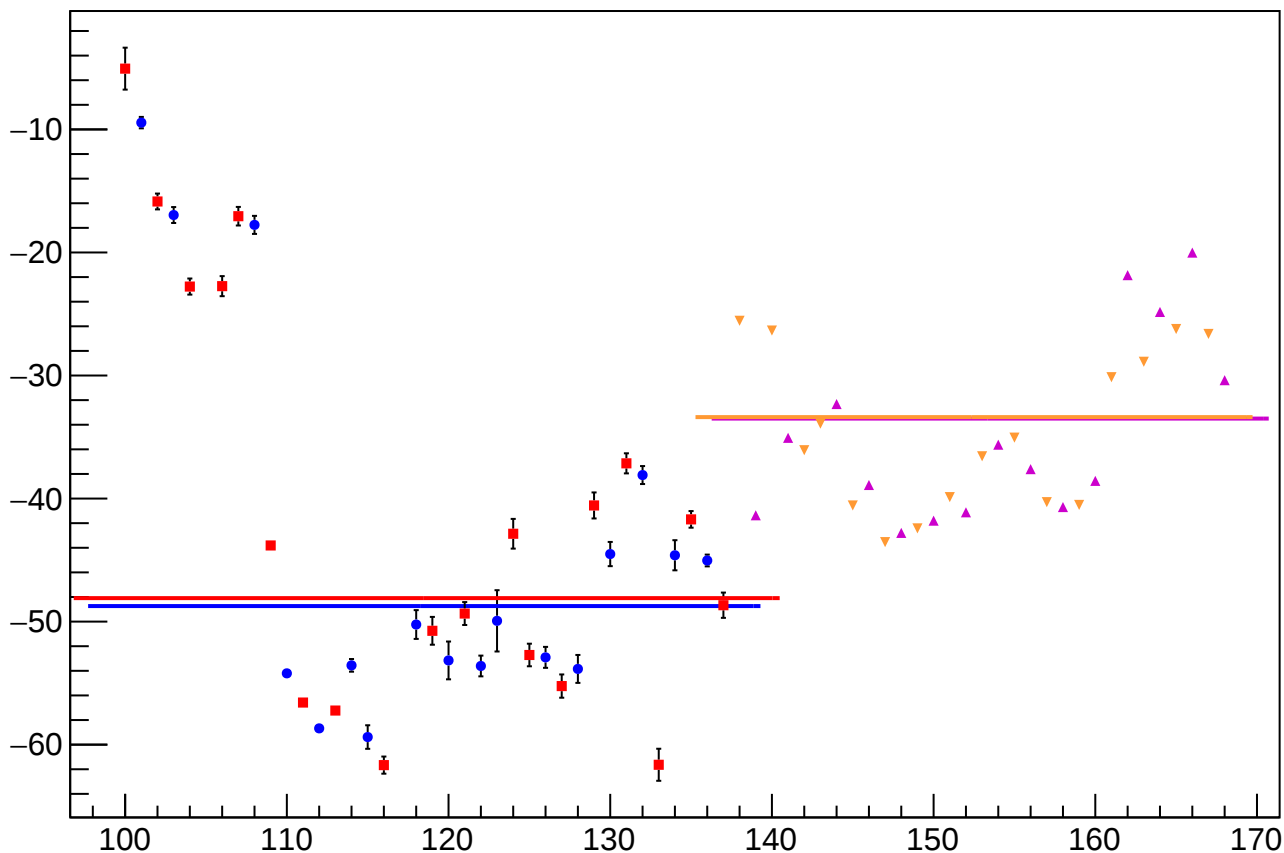
Left In: -37.713 ± 0.056 χ^2/NDF : 9212.2/14

+ sign -39.376 ± 0.044 χ^2/NDF : 14991.2/32

All: -38.979 ± 0.031 χ^2/NDF : 36348.0/66

- sign -38.578 ± 0.044 χ^2/NDF : 21192.9/33

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737+/-0.125 χ^2/NDF : 14658.1/16

Left Out: -33.381+/-0.073 χ^2/NDF : 7446.0/15

Right Out: -48.092+/-0.107 χ^2/NDF : 11733.2/18

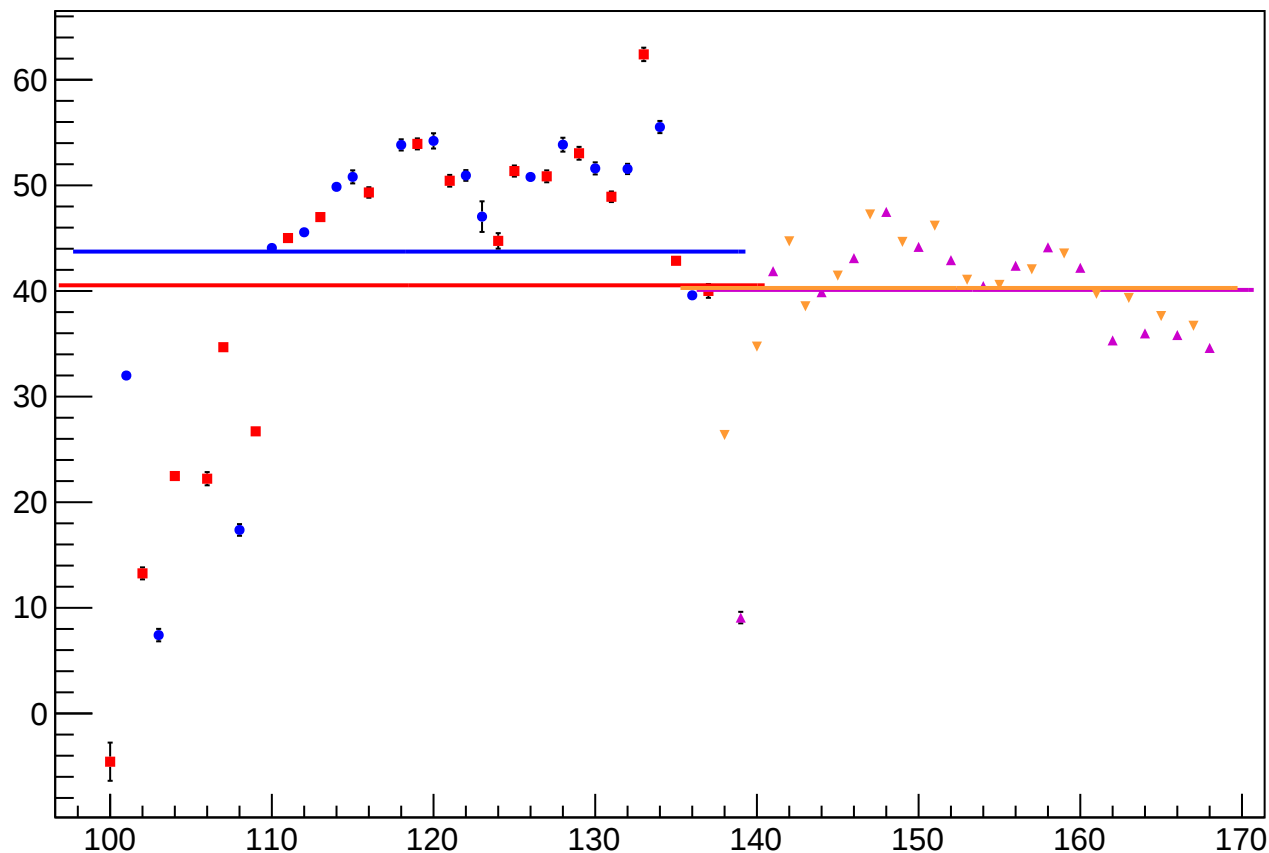
Left In: -33.500+/-0.075 χ^2/NDF : 10301.0/14

+ sign -37.342+/-0.063 χ^2/NDF : 33382.4/32

All: -37.821+/-0.044 χ^2/NDF : 67990.4/66

- sign -38.270+/-0.061 χ^2/NDF : 34497.0/33

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 ± 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.286 ± 0.062 χ^2/NDF : 5301.9/15

Right Out: 40.537 ± 0.080 χ^2/NDF : 17601.3/18

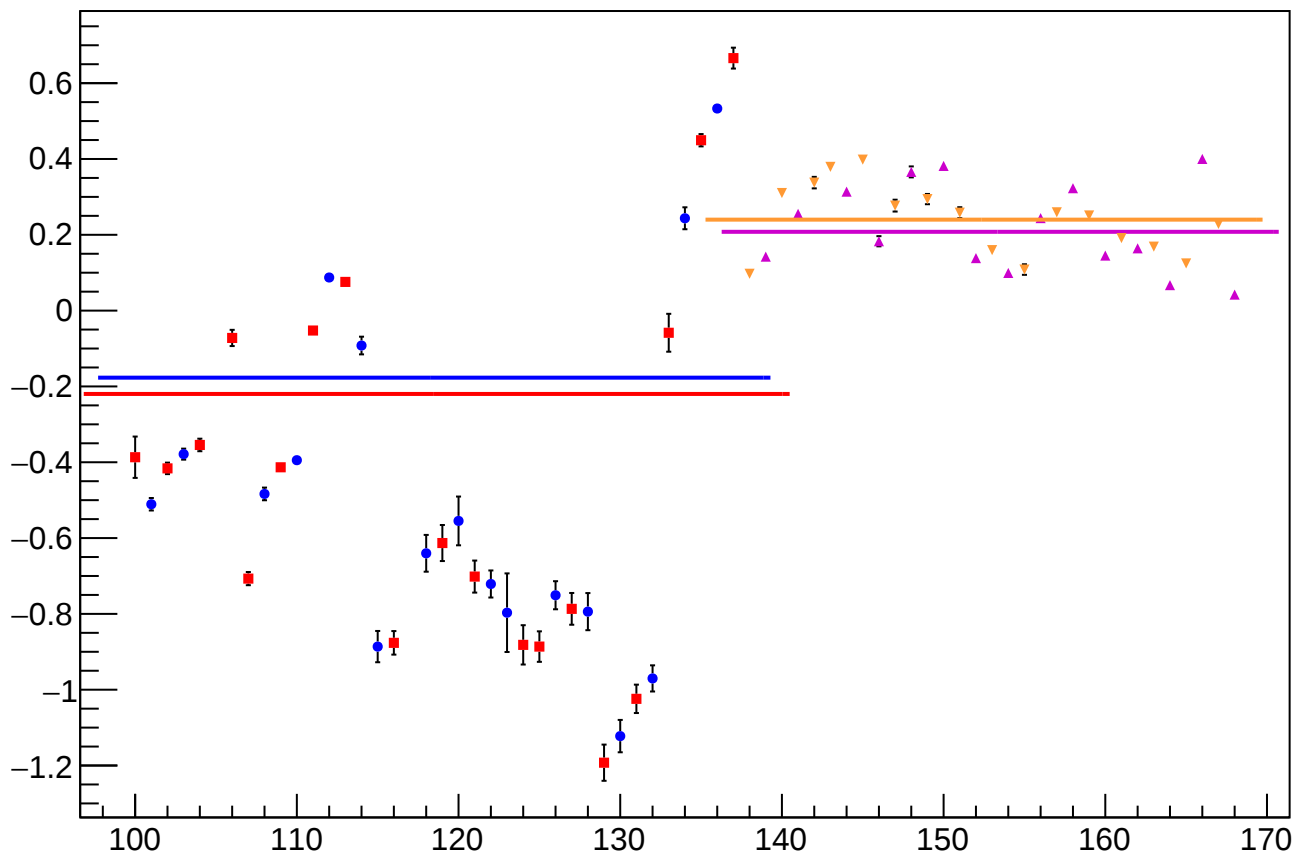
Left In: 40.102 ± 0.064 χ^2/NDF : 6770.3/14

+ sign 41.438 ± 0.050 χ^2/NDF : 16916.7/32

All: 40.853 ± 0.035 χ^2/NDF : 41576.9/66

- sign 40.272 ± 0.050 χ^2/NDF : 24389.7/33

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.240 ± 0.003 χ^2/NDF : 942.1/15

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

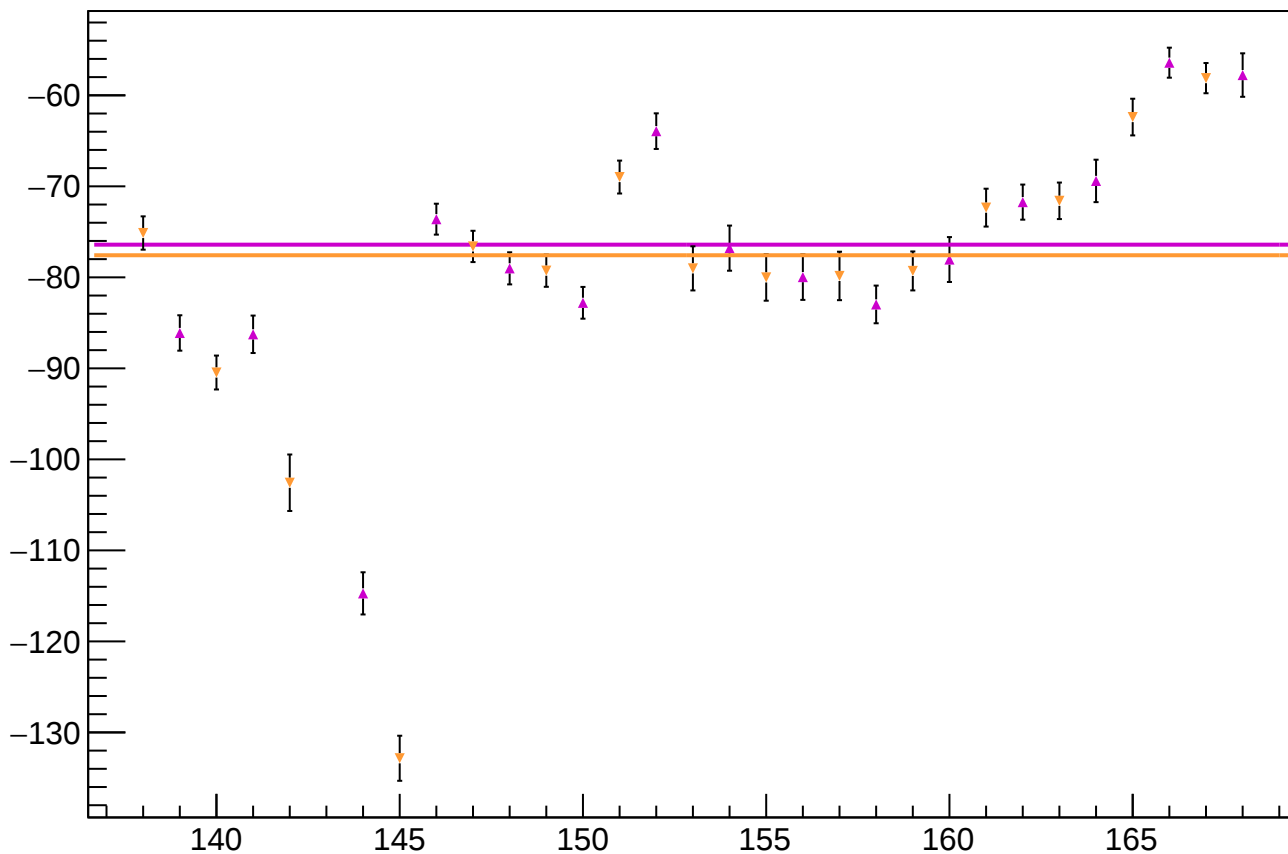
Left In: 0.208 ± 0.003 χ^2/NDF : 1447.3/14

+ sign 0.129 ± 0.002 χ^2/NDF : 13758.4/32

All: 0.099 ± 0.002 χ^2/NDF : 29627.7/66

- sign 0.070 ± 0.002 χ^2/NDF : 15582.5/33

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -77.572+/-0.528 χ^2/NDF : 848.6/14

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

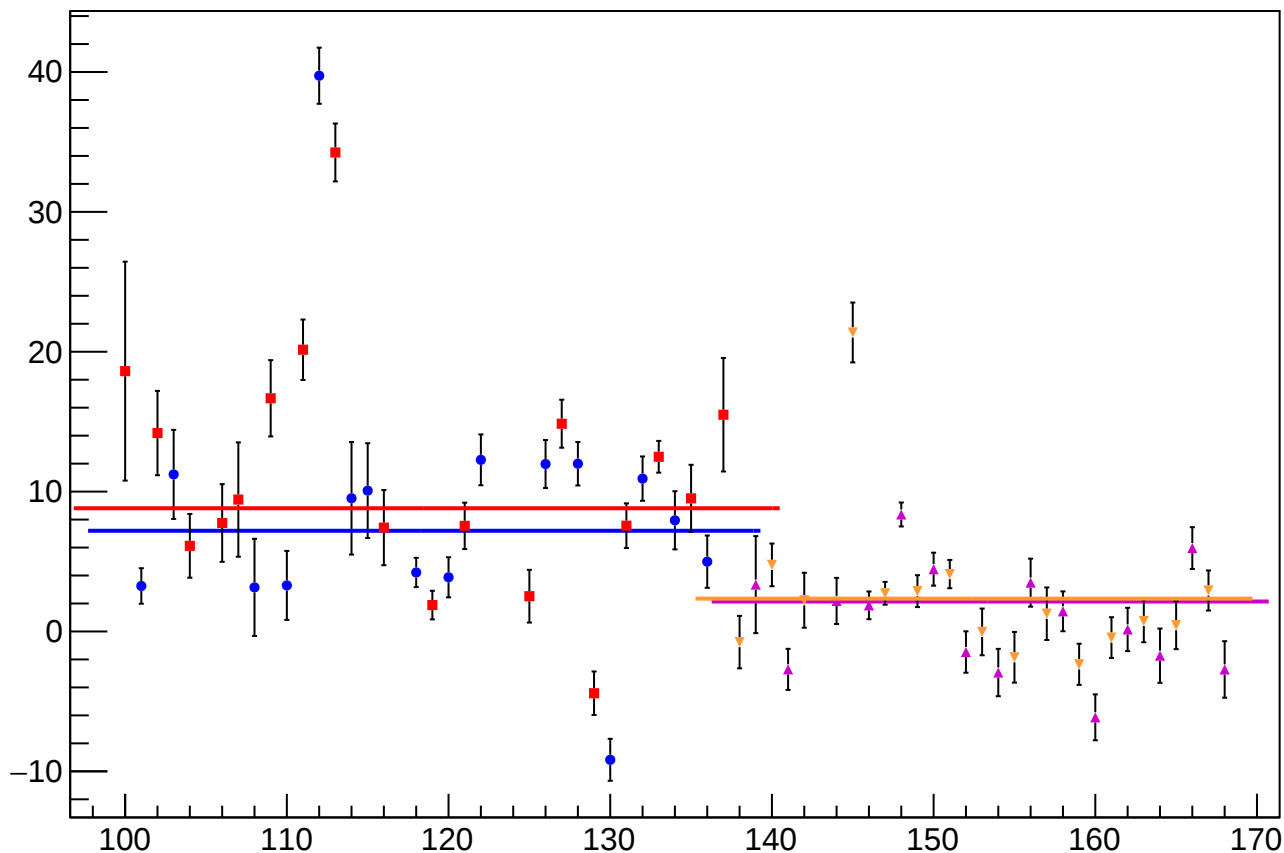
Left In: -76.410+/-0.523 χ^2/NDF : 615.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -76.985+/-0.371 χ^2/NDF : 1466.3/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 $\chi^2/\text{NDF}: 443.8/15$

Left Out: 2.349 ± 0.363 $\chi^2/\text{NDF}: 111.8/14$

Right Out: 8.810 ± 0.448 $\chi^2/\text{NDF}: 349.7/17$

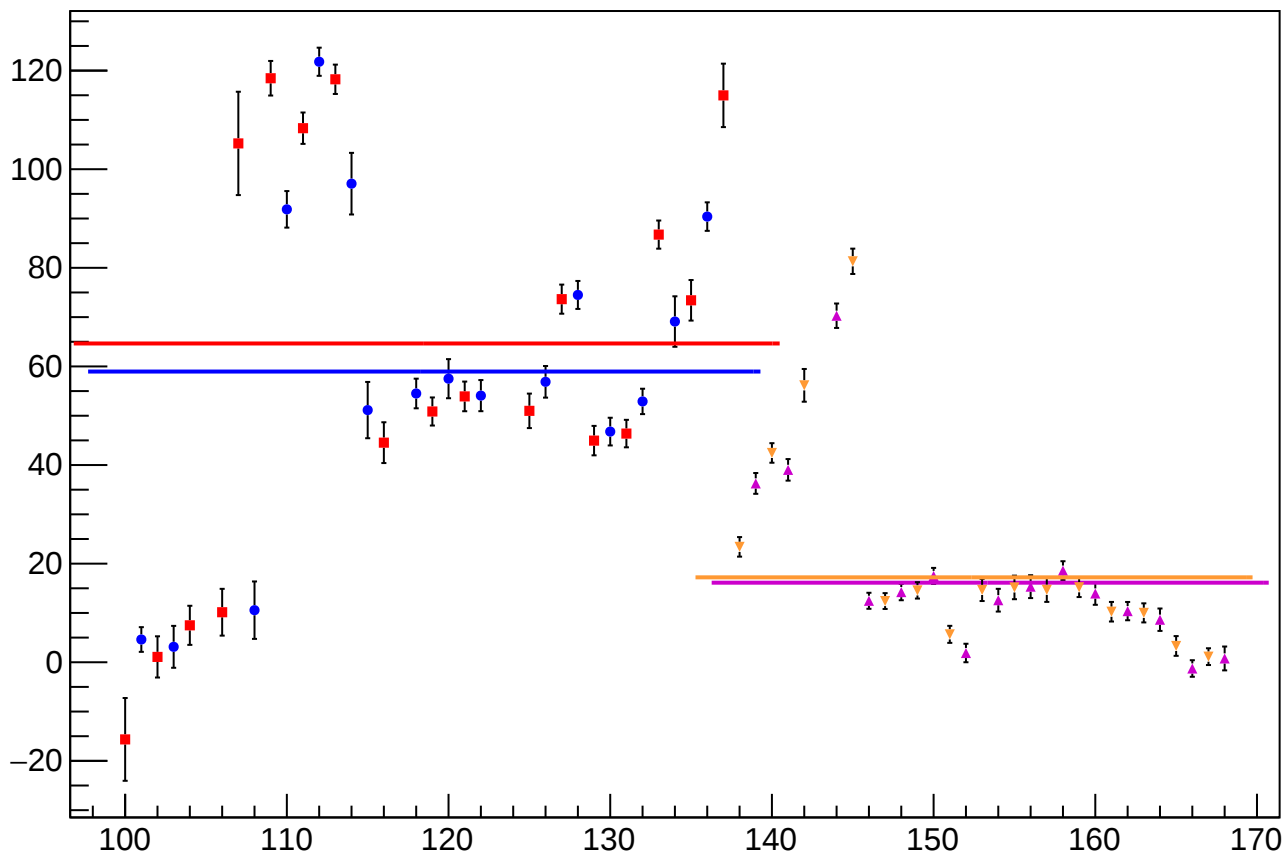
Left In: 2.143 ± 0.368 $\chi^2/\text{NDF}: 127.0/14$

+ sign 4.317 ± 0.280 $\chi^2/\text{NDF}: 628.0/30$

All: 4.568 ± 0.199 $\chi^2/\text{NDF}: 1238.7/63$

- sign 4.827 ± 0.284 $\chi^2/\text{NDF}: 609.2/32$

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 ± 0.837 χ^2/NDF : 1496.5/15

Left Out: 17.222 ± 0.517 χ^2/NDF : 1155.9/14

Right Out: 64.655 ± 0.840 χ^2/NDF : 1721.8/17

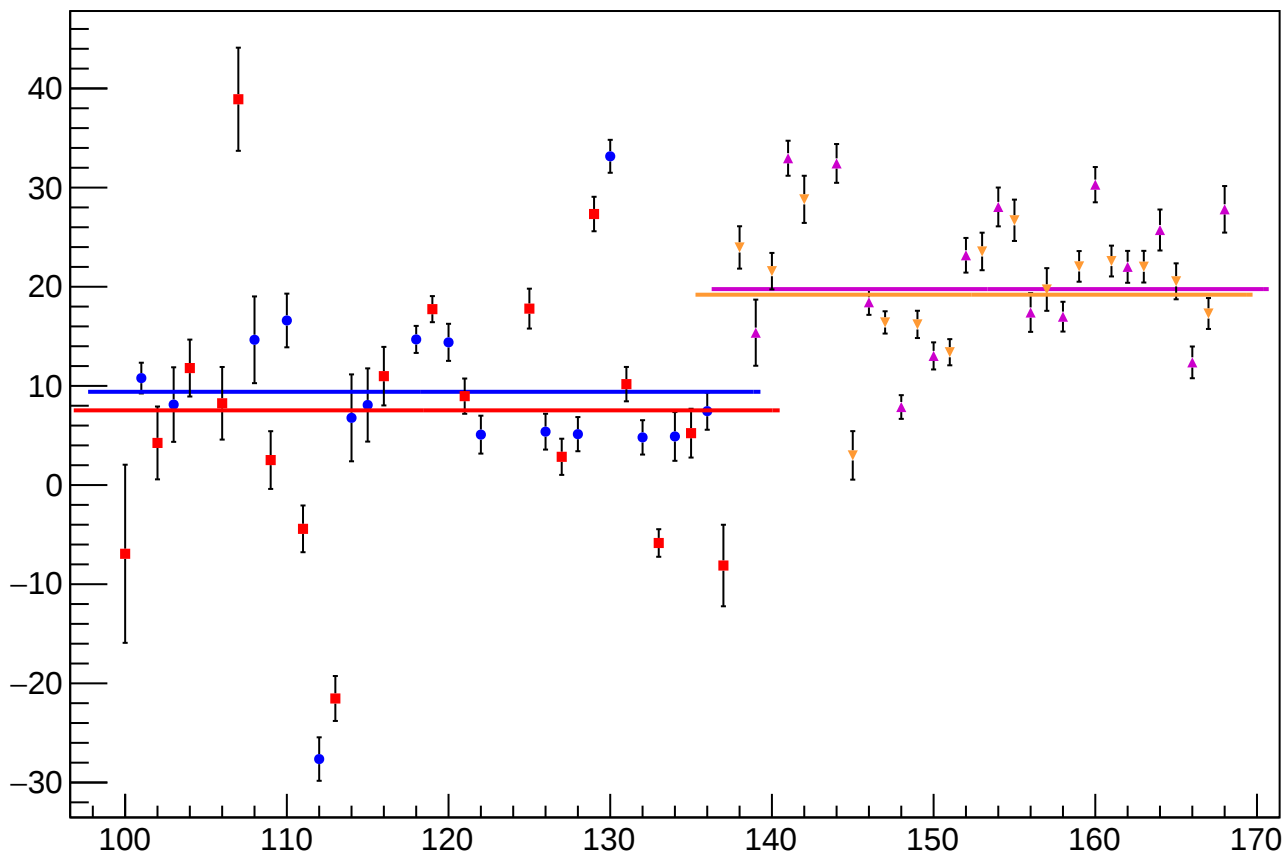
Left In: 16.138 ± 0.510 χ^2/NDF : 916.2/14

+ sign 28.739 ± 0.440 χ^2/NDF : 4453.3/30

All: 28.970 ± 0.310 χ^2/NDF : 9529.8/63

- sign 29.196 ± 0.436 χ^2/NDF : 5075.9/32

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 19.199 ± 0.430 χ^2/NDF : 128.8/14

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

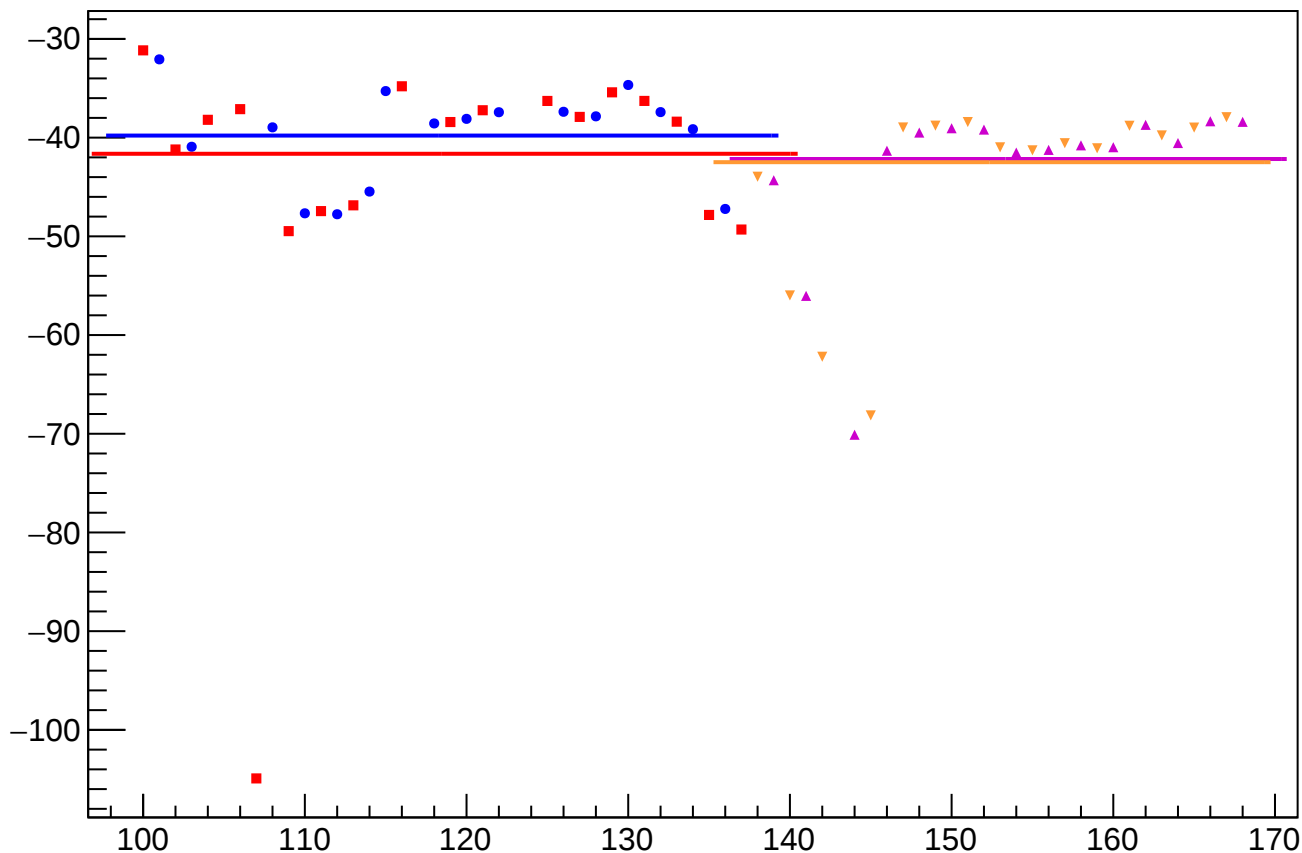
Left In: 19.763 ± 0.433 χ^2/NDF : 328.7/14

+ sign 15.103 ± 0.328 χ^2/NDF : 895.7/30

All: 14.900 ± 0.233 χ^2/NDF : 2125.3/63

- sign 14.693 ± 0.331 χ^2/NDF : 1228.9/32

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 $\chi^2/\text{NDF}: 26138.6/15$

Left Out: -42.487 ± 0.021 $\chi^2/\text{NDF}: 129219.3/14$

Right Out: -41.635 ± 0.031 $\chi^2/\text{NDF}: 94393.1/17$

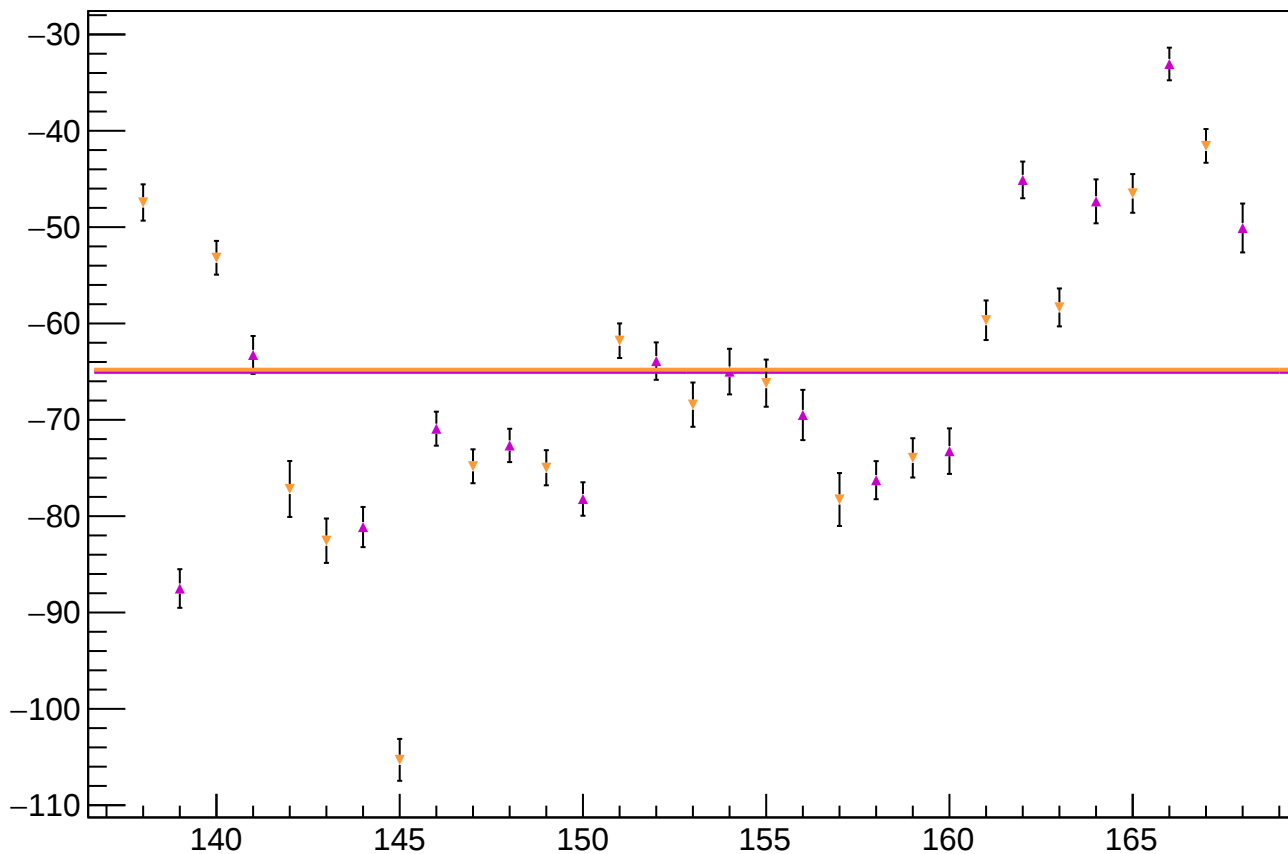
Left In: -42.165 ± 0.020 $\chi^2/\text{NDF}: 104203.7/14$

+ sign -41.668 ± 0.017 $\chi^2/\text{NDF}: 160546.5/30$

All: -41.840 ± 0.012 $\chi^2/\text{NDF}: 359542.6/63$

- sign -42.008 ± 0.017 $\chi^2/\text{NDF}: 198799.1/32$

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -64.795+/-0.509 χ^2/NDF : 943.0/15

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

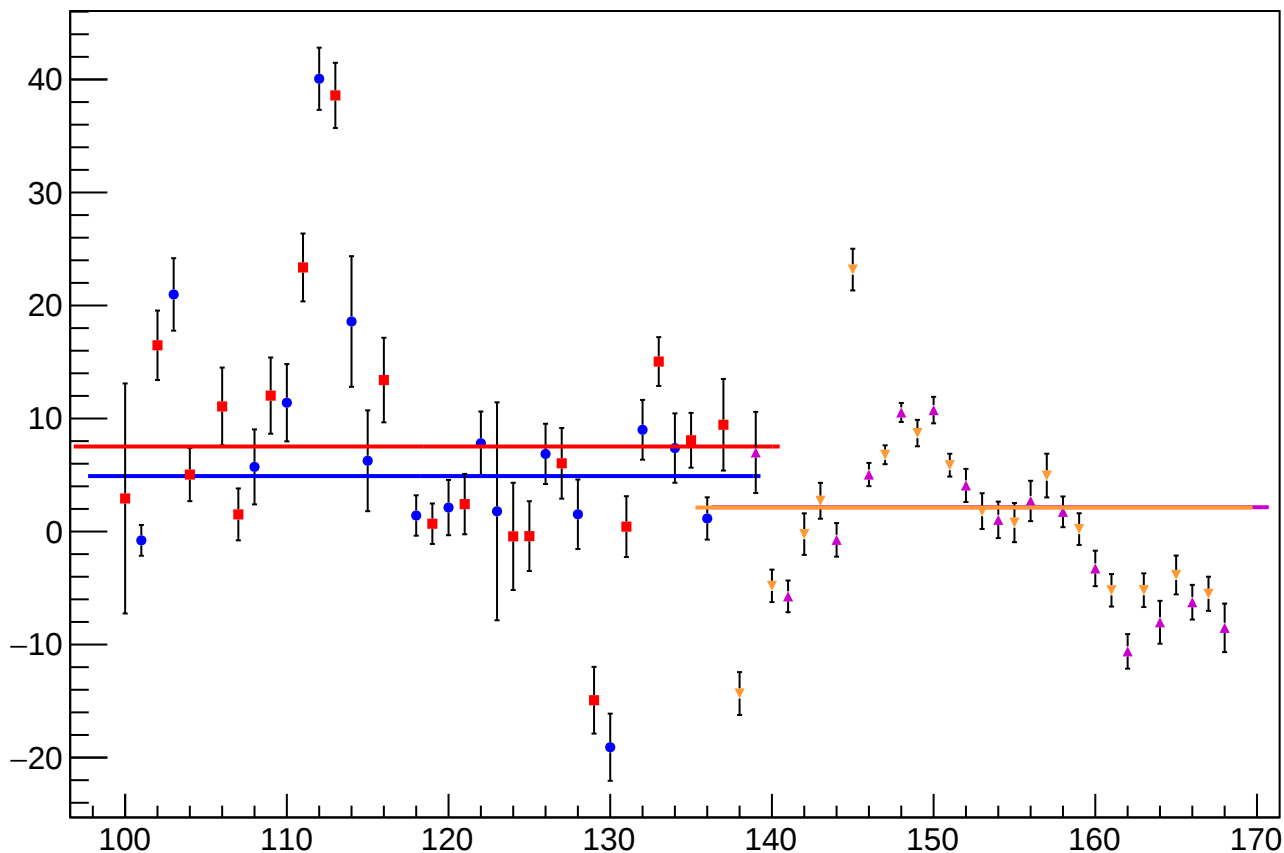
Left In: -65.021+/-0.518 χ^2/NDF : 883.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -64.906+/-0.363 χ^2/NDF : 1826.2/30

- 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 χ^2/NDF : 295.4/16

Left Out: 2.125 ± 0.351 χ^2/NDF : 399.8/15

Right Out: 7.523 ± 0.651 χ^2/NDF : 270.6/18

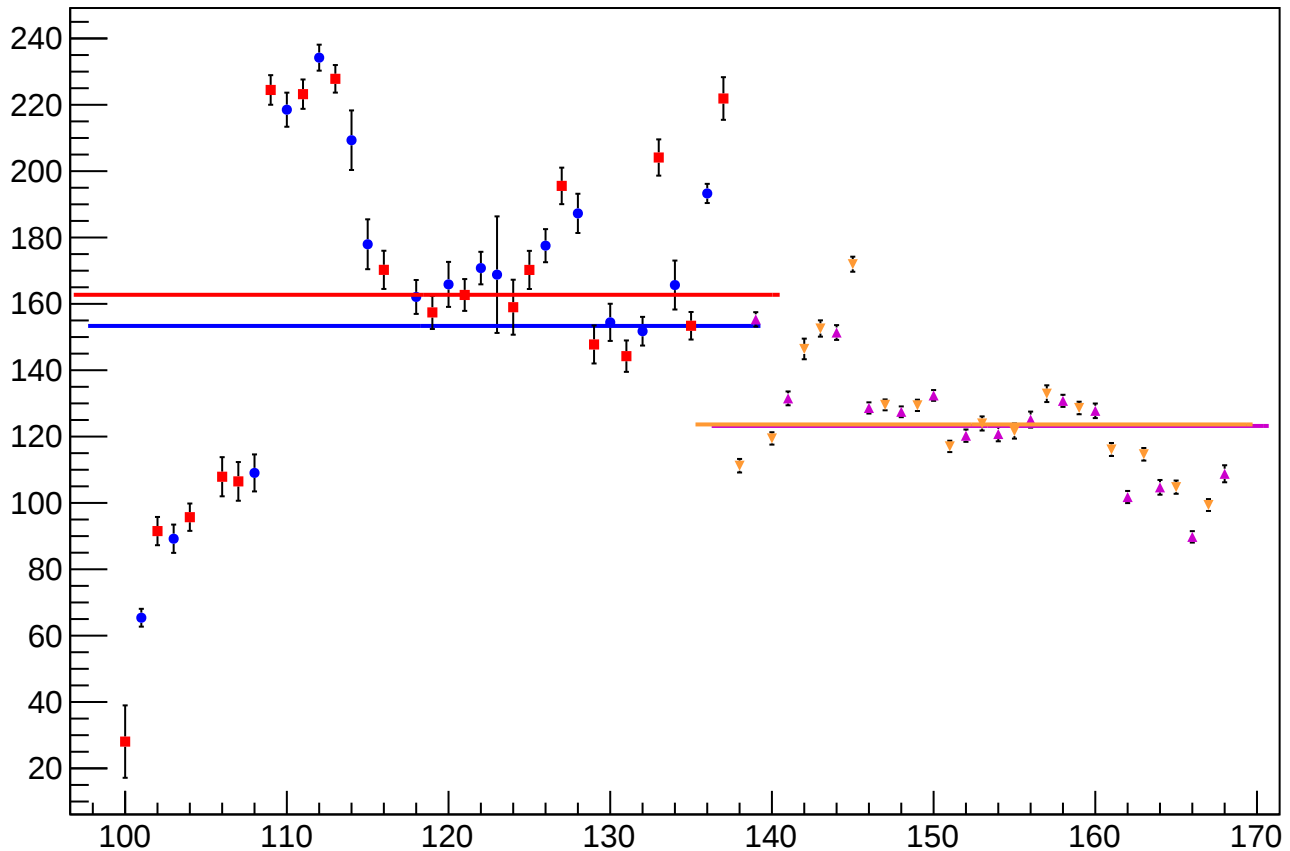
Left In: 2.151 ± 0.363 χ^2/NDF : 366.0/14

+ sign 2.787 ± 0.306 χ^2/NDF : 710.2/32

All: 3.096 ± 0.220 χ^2/NDF : 1400.9/66

- sign 3.427 ± 0.317 χ^2/NDF : 688.6/33

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 +/- 1.150 χ^2/NDF : 2268.3/16

Left Out: 123.657 +/- 0.500 χ^2/NDF : 1057.9/15

Right Out: 162.734 +/- 1.177 χ^2/NDF : 1708.8/18

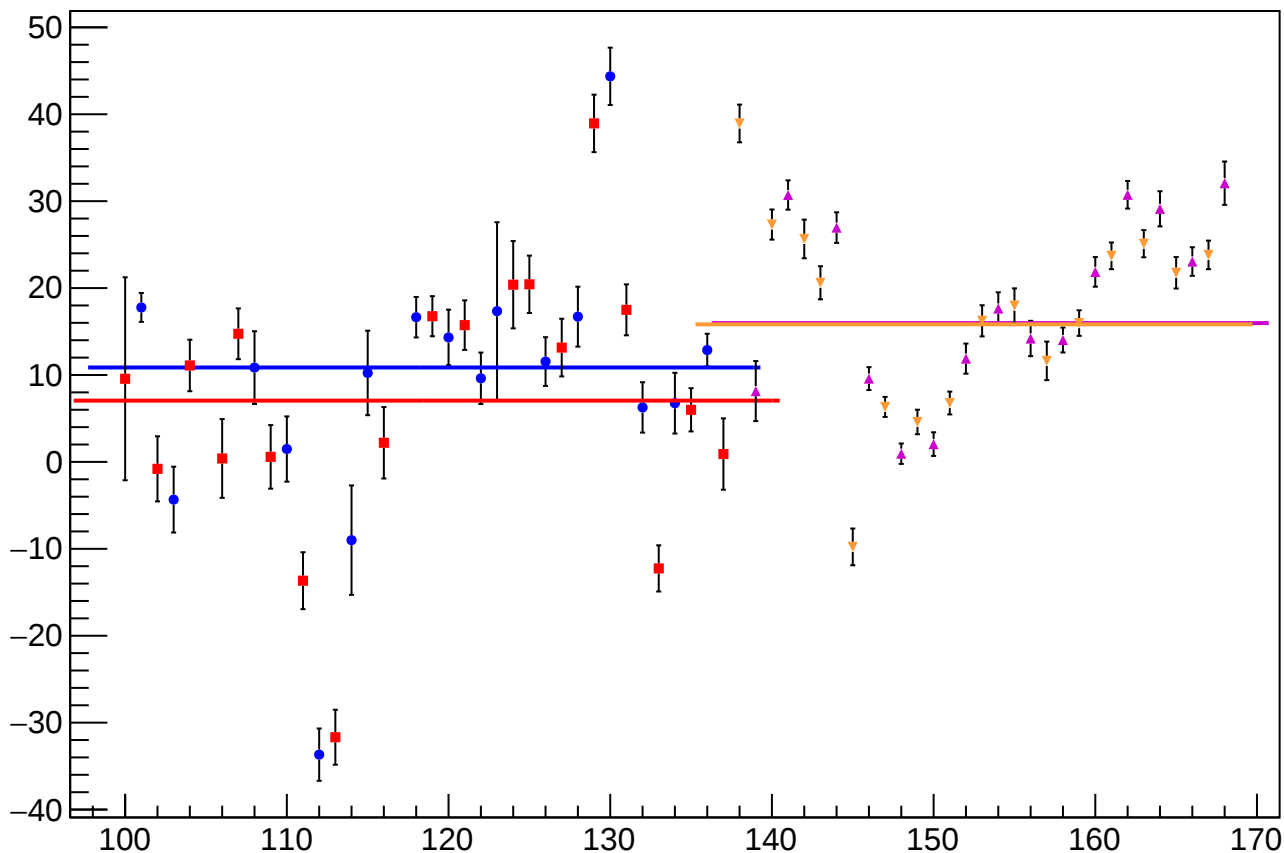
Left In: 123.205 +/- 0.505 χ^2/NDF : 1082.7/14

+ sign 128.383 +/- 0.459 χ^2/NDF : 3886.5/32

All: 128.866 +/- 0.326 χ^2/NDF : 7632.7/66

- sign 129.360 +/- 0.464 χ^2/NDF : 3743.9/33

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 15.827 $\pm$ 0.414 χ^2 /NDF: 609.7/15

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

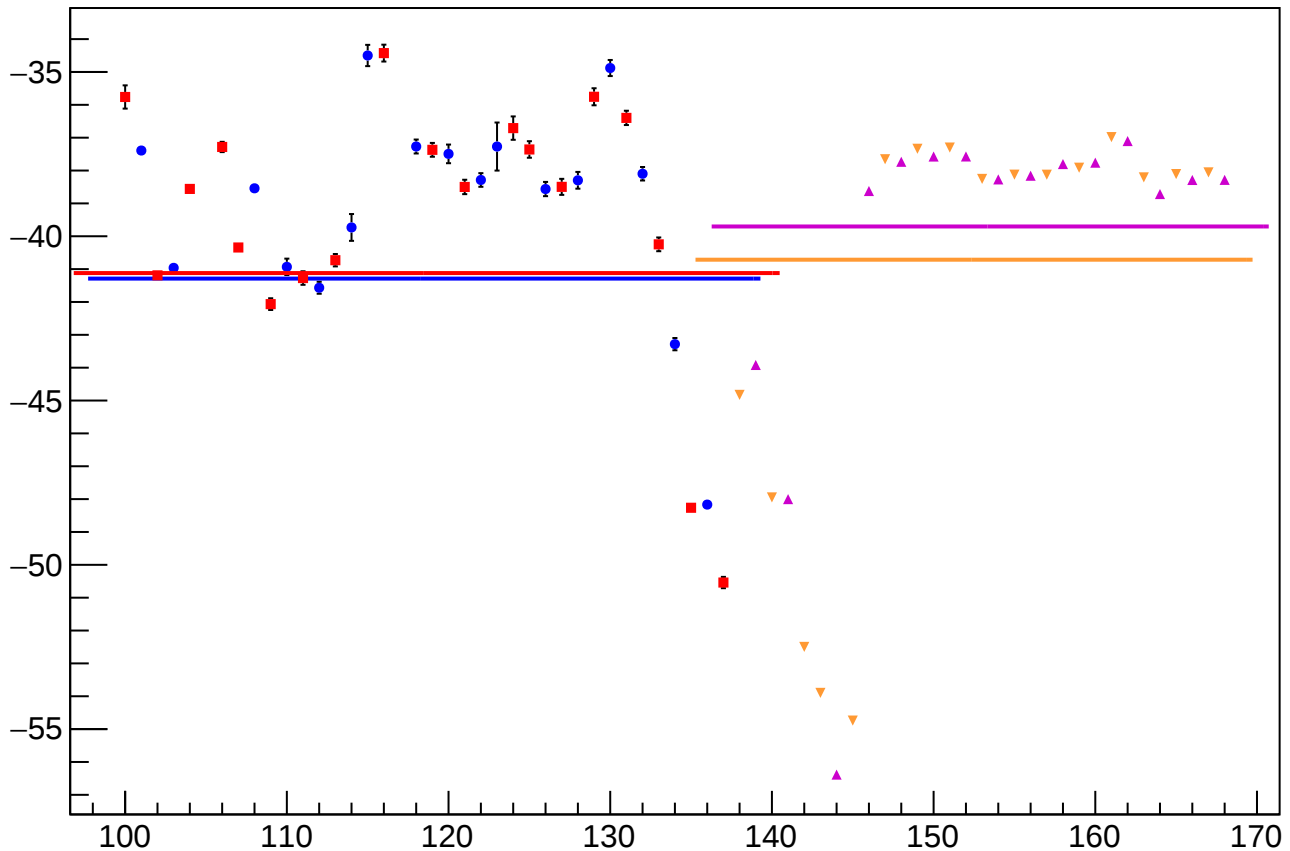
Left In: 15.971 $\pm$ 0.428 χ^2 /NDF: 622.2/14

+ sign 14.590 $\pm$ 0.359 χ^2 /NDF: 1033.4/32

All: 14.194 $\pm$ 0.258 χ^2 /NDF: 2190.0/66

- sign 13.771 $\pm$ 0.371 χ^2 /NDF: 1154.2/33

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289+/-0.039 χ^2/NDF : 12509.1/16

Left Out: -40.714+/-0.020 χ^2/NDF : 78238.5/15

Right Out: -41.120+/-0.039 χ^2/NDF : 12110.6/18

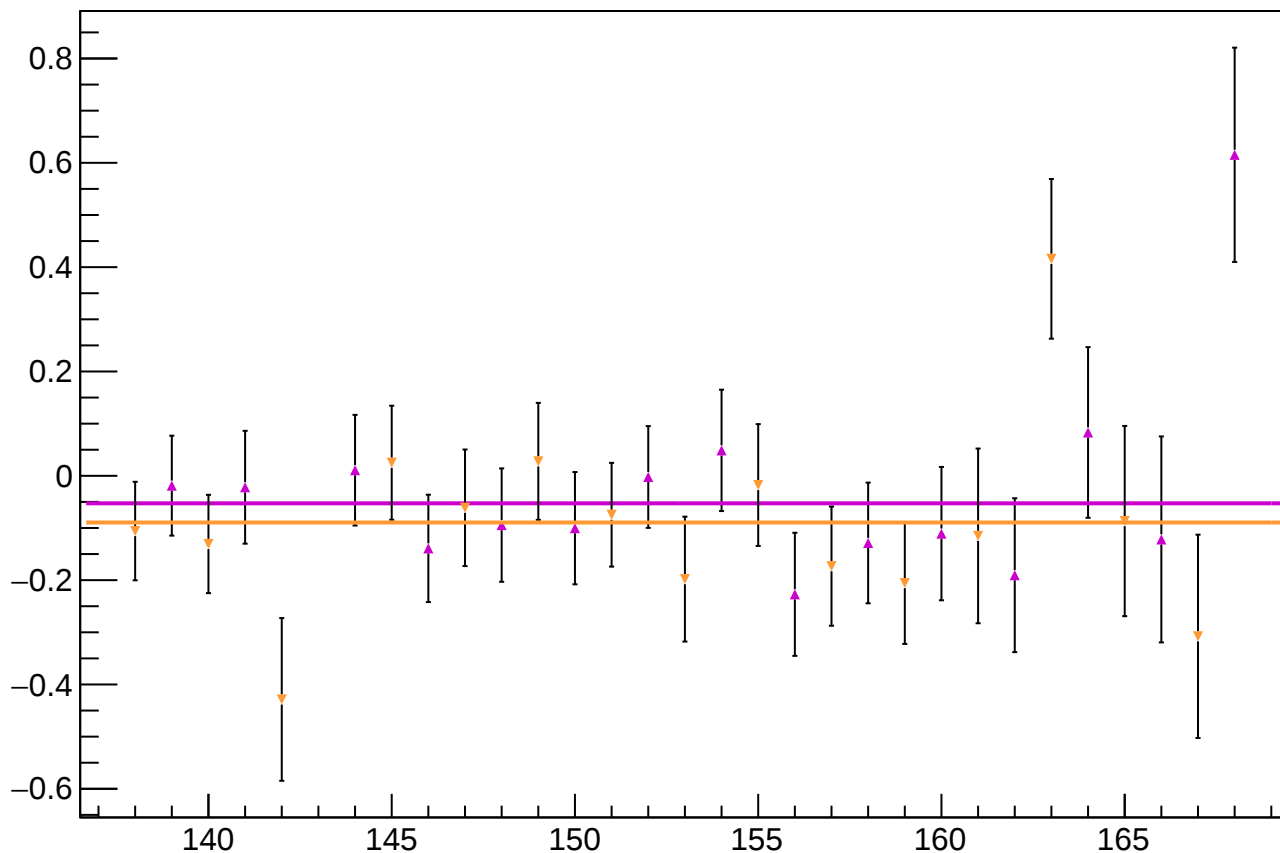
Left In: -39.702+/-0.020 χ^2/NDF : 48779.3/14

+ sign -40.835+/-0.018 χ^2/NDF : 90922.7/32

All: -40.422+/-0.013 χ^2/NDF : 153960.3/66

- sign -40.004+/-0.018 χ^2/NDF : 61948.2/33

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.089 $\pm$ 0.031 χ^2 /NDF:22.1/14

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

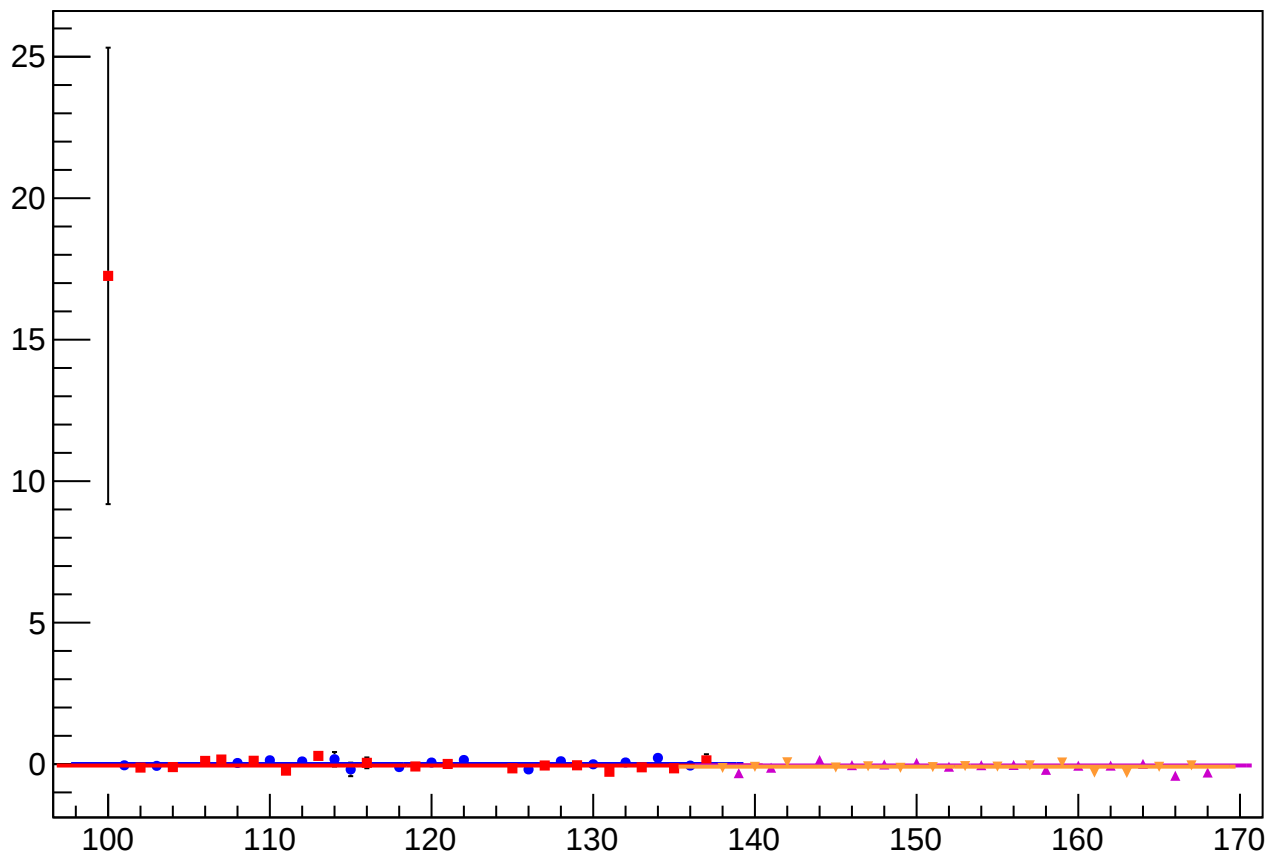
Left In: -0.053 $\pm$ 0.031 χ^2 /NDF:17.7/14

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

All: -0.071 $\pm$ 0.022 χ^2 /NDF: 40.6/29

- 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: -0.090 ± 0.022 χ^2/NDF : 13.7/14

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.6/17

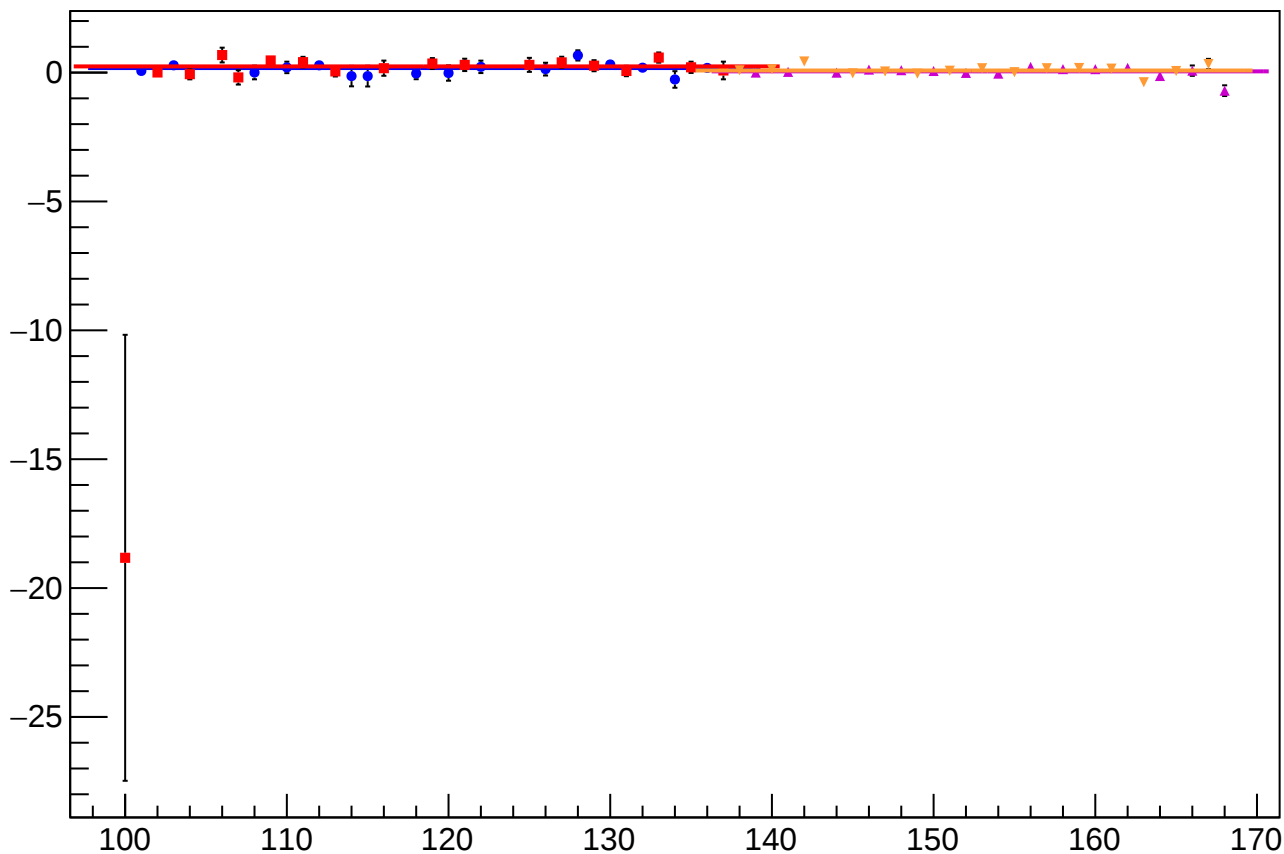
Left In: -0.048 ± 0.022 χ^2/NDF : 22.5/14

+ sign -0.056 ± 0.017 χ^2/NDF : 32.9/30

All: -0.052 ± 0.012 χ^2/NDF : 81.1/63

- sign -0.049 ± 0.017 χ^2/NDF : 48.1/32

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.080 $\pm$ 0.030 χ^2 /NDF: 20.9/14

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

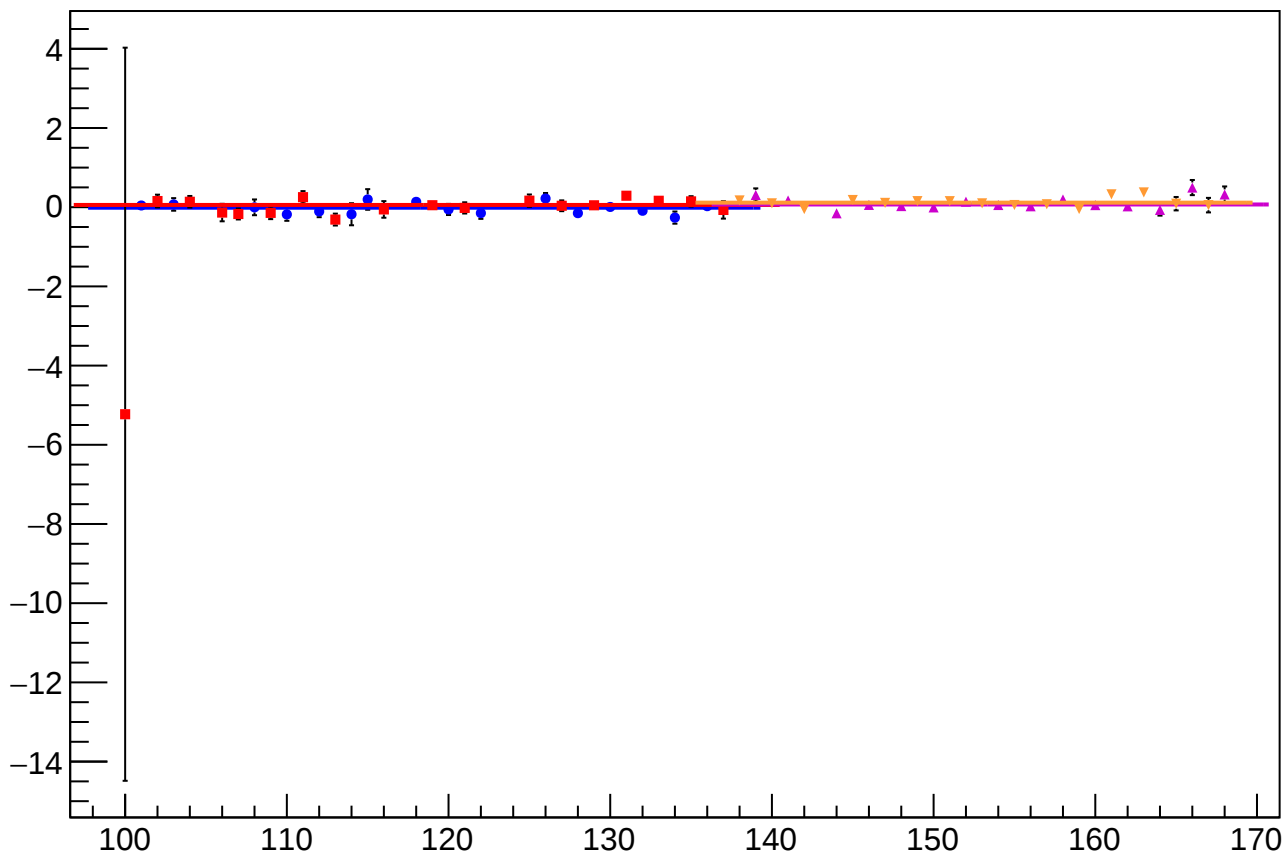
Left In: 0.047 $\pm$ 0.030 χ^2 /NDF: 21.0/14

+ sign 0.104 $\pm$ 0.026 χ^2 /NDF: 36.3/30

All: 0.098 $\pm$ 0.019 χ^2 /NDF: 88.8/63

- sign 0.092 $\pm$ 0.026 χ^2 /NDF: 52.3/32

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.115 ± 0.026 χ^2/NDF : 14.6/14

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

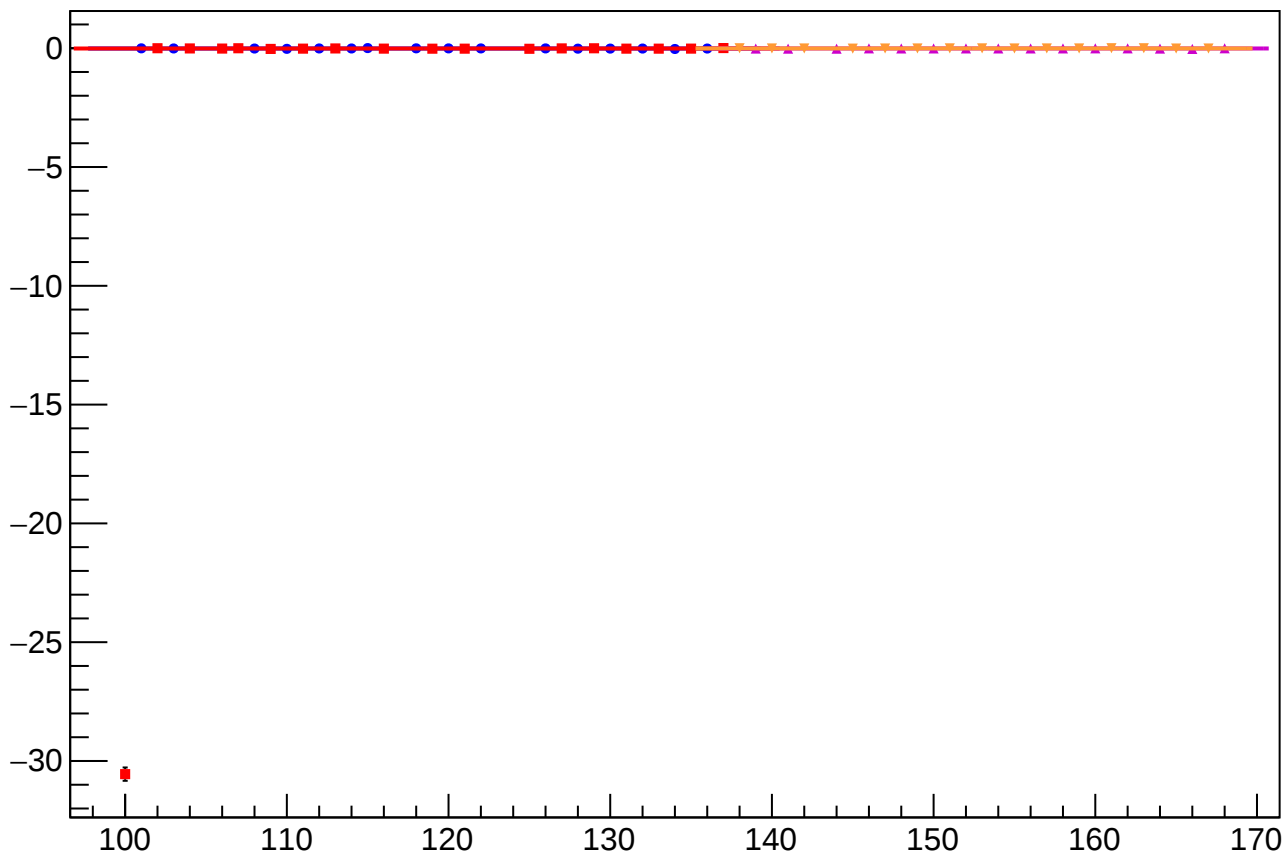
Left In: 0.069 ± 0.025 χ^2/NDF : 21.3/14

+ sign 0.066 ± 0.020 χ^2/NDF : 37.6/30

All: 0.065 ± 0.014 χ^2/NDF : 79.4/63

- sign 0.064 ± 0.020 χ^2/NDF : 41.8/32

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:12.5/14

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

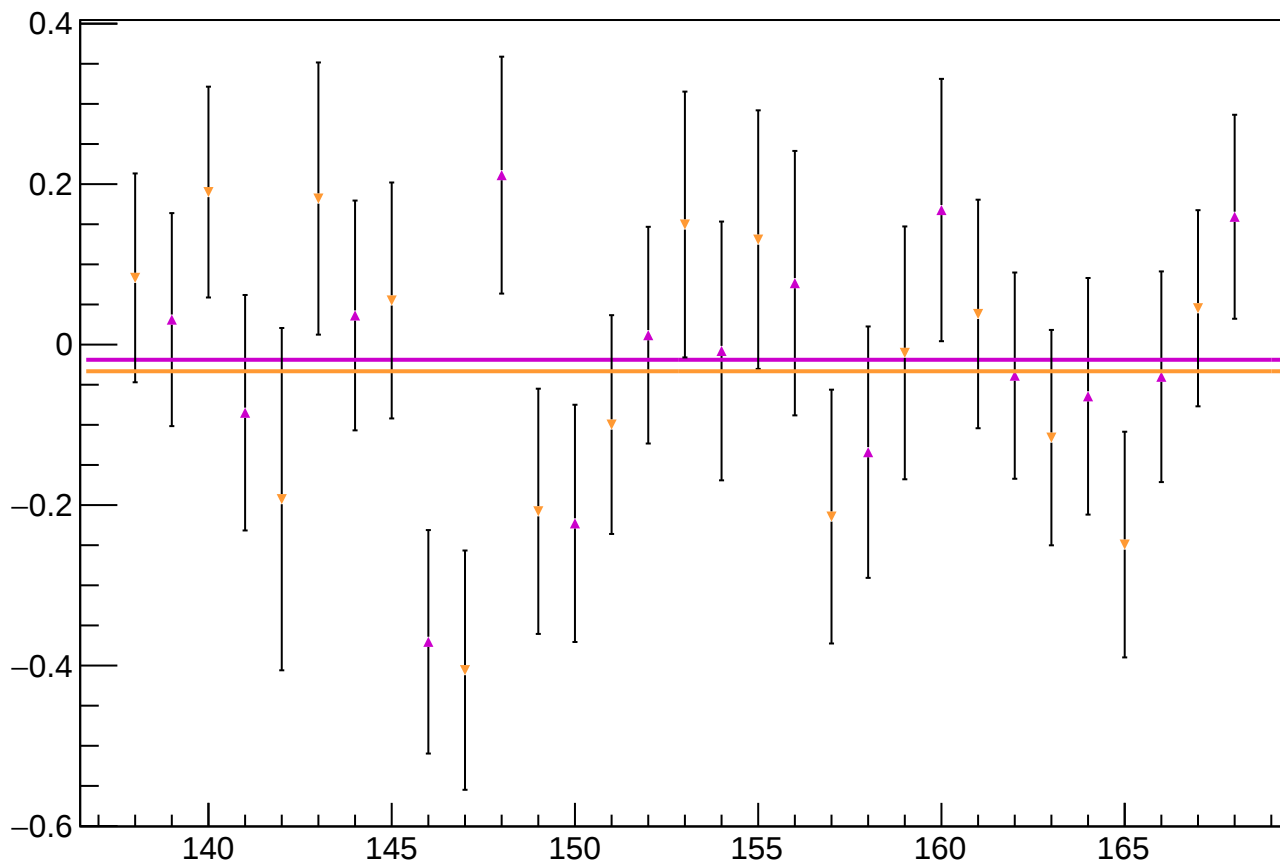
Left In: -0.011 $\pm$ 0.001 χ^2 /NDF:17.3/14

+ sign -0.009 $\pm$ 0.001 χ^2 /NDF: 28.0/30

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11938.6/63

- sign -0.011 $\pm$ 0.001 χ^2 /NDF: 11909.0/32

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.033 $\pm$ 0.037 χ^2 /NDF:21.0/15

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

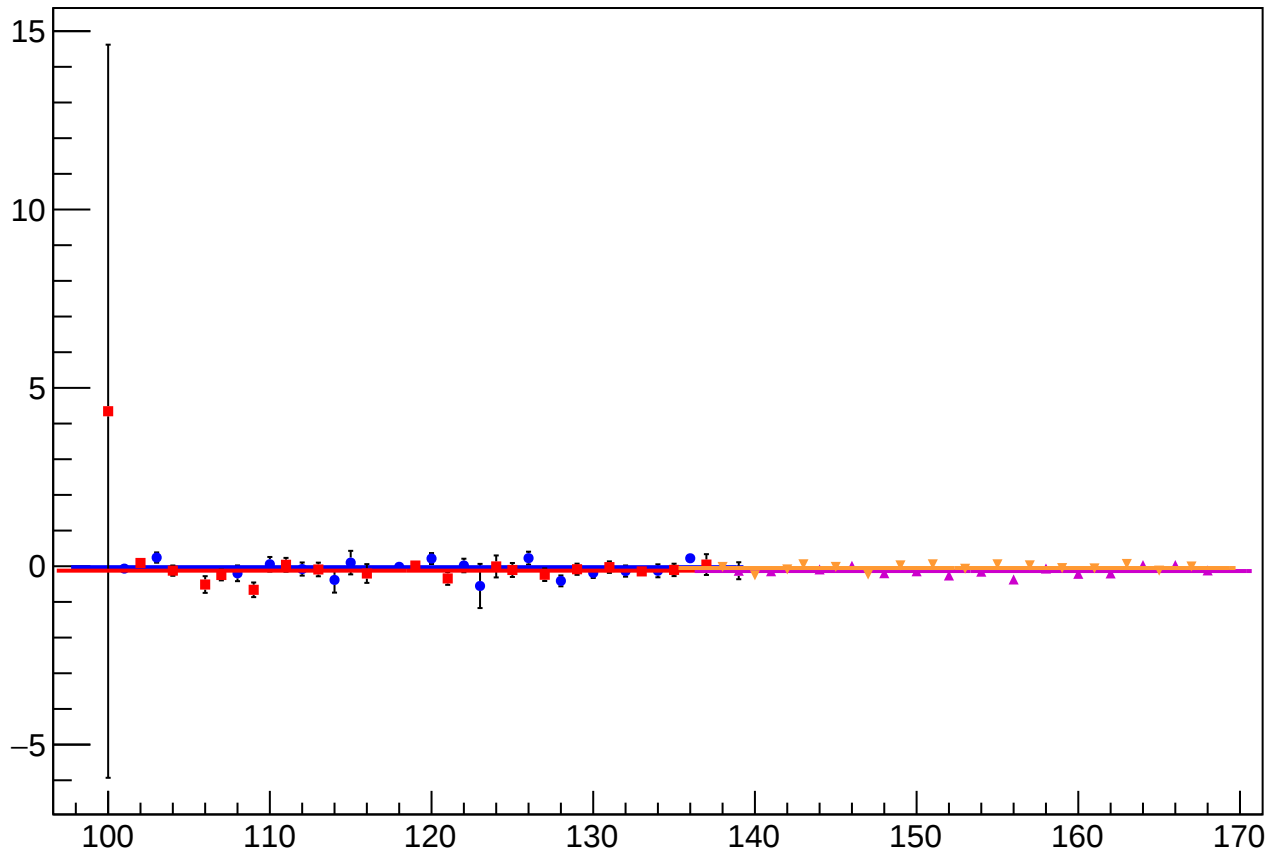
Left In: -0.019 $\pm$ 0.037 χ^2 /NDF:15.5/14

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

All: -0.026 $\pm$ 0.026 χ^2 /NDF: 36.6/30

- 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: -0.050 ± 0.026 χ^2/NDF : 16.5/15

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

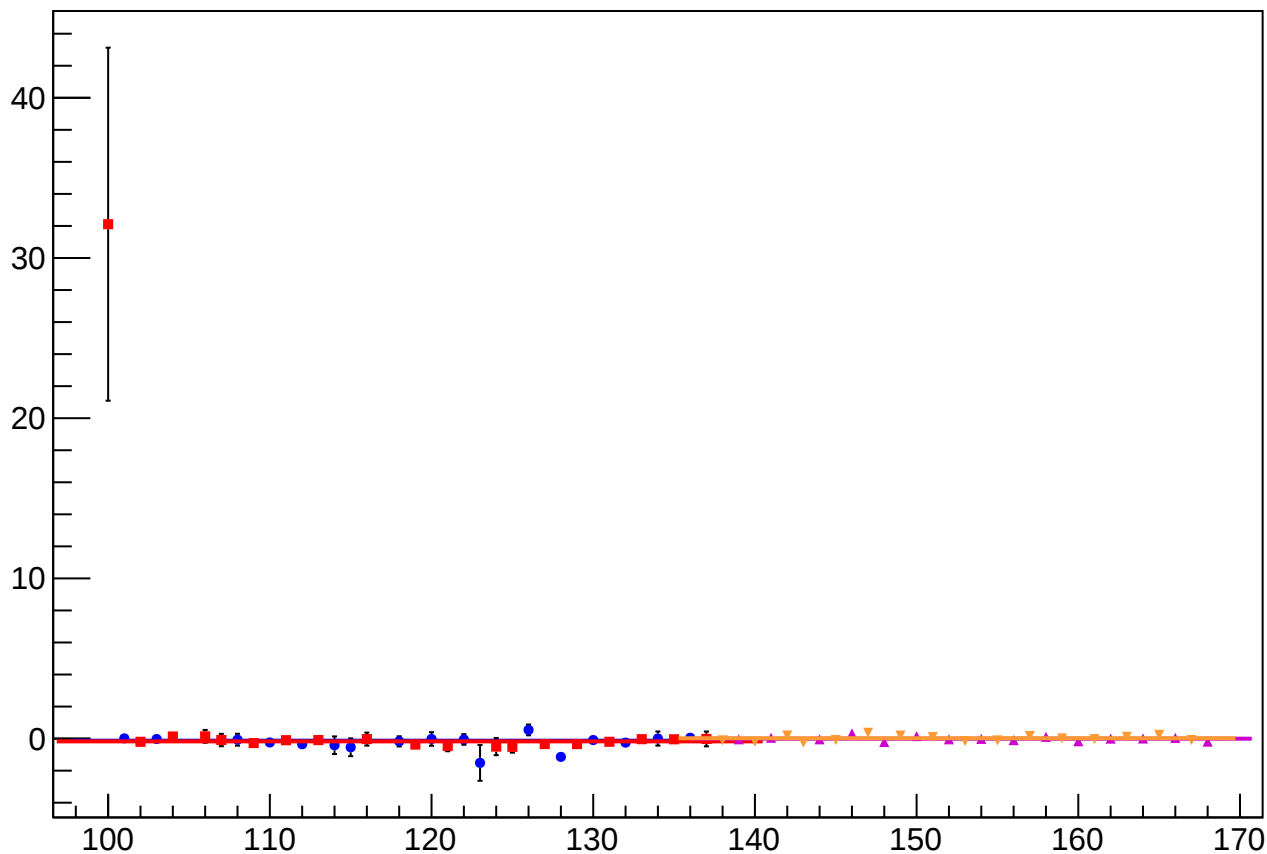
Left In: -0.135 ± 0.027 χ^2/NDF : 15.1/14

+ sign -0.042 ± 0.021 χ^2/NDF : 39.5/32

All: -0.085 ± 0.015 χ^2/NDF : 81.4/66

- sign -0.131 ± 0.022 χ^2/NDF : 33.4/33

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.024 ± 0.036 χ^2/NDF : 20.9/15

Right Out: -0.172 ± 0.071 χ^2/NDF : 14.9/18

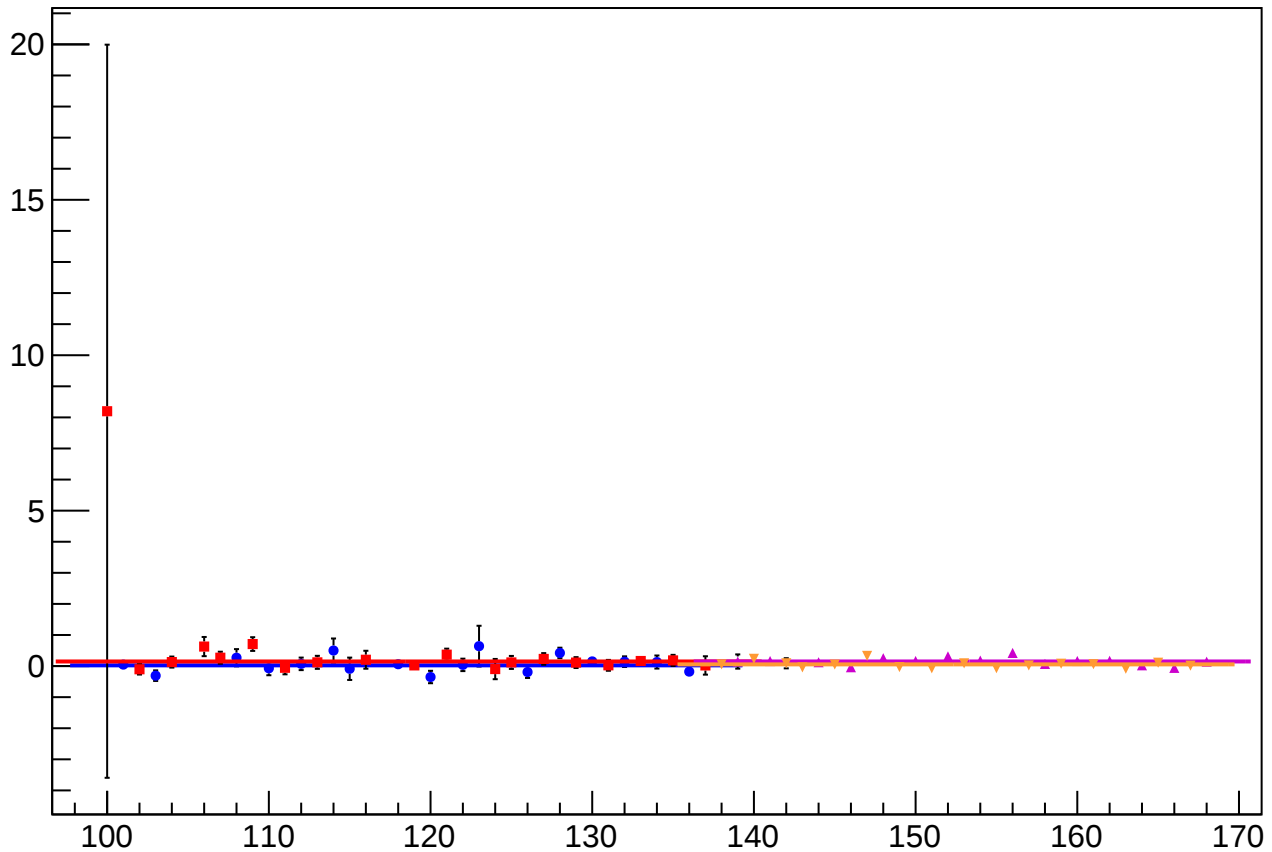
Left In: -0.004 ± 0.036 χ^2/NDF : 14.1/14

+ sign -0.011 ± 0.032 χ^2/NDF : 48.1/32

All: -0.025 ± 0.023 χ^2/NDF : 81.9/66

- sign -0.039 ± 0.032 χ^2/NDF : 33.5/33

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 $\pm$ 0.043 χ^2 /NDF: 21.3/16

Left Out: 0.055 $\pm$ 0.030 χ^2 /NDF: 15.4/15

Right Out: 0.148 $\pm$ 0.045 χ^2 /NDF: 16.6/18

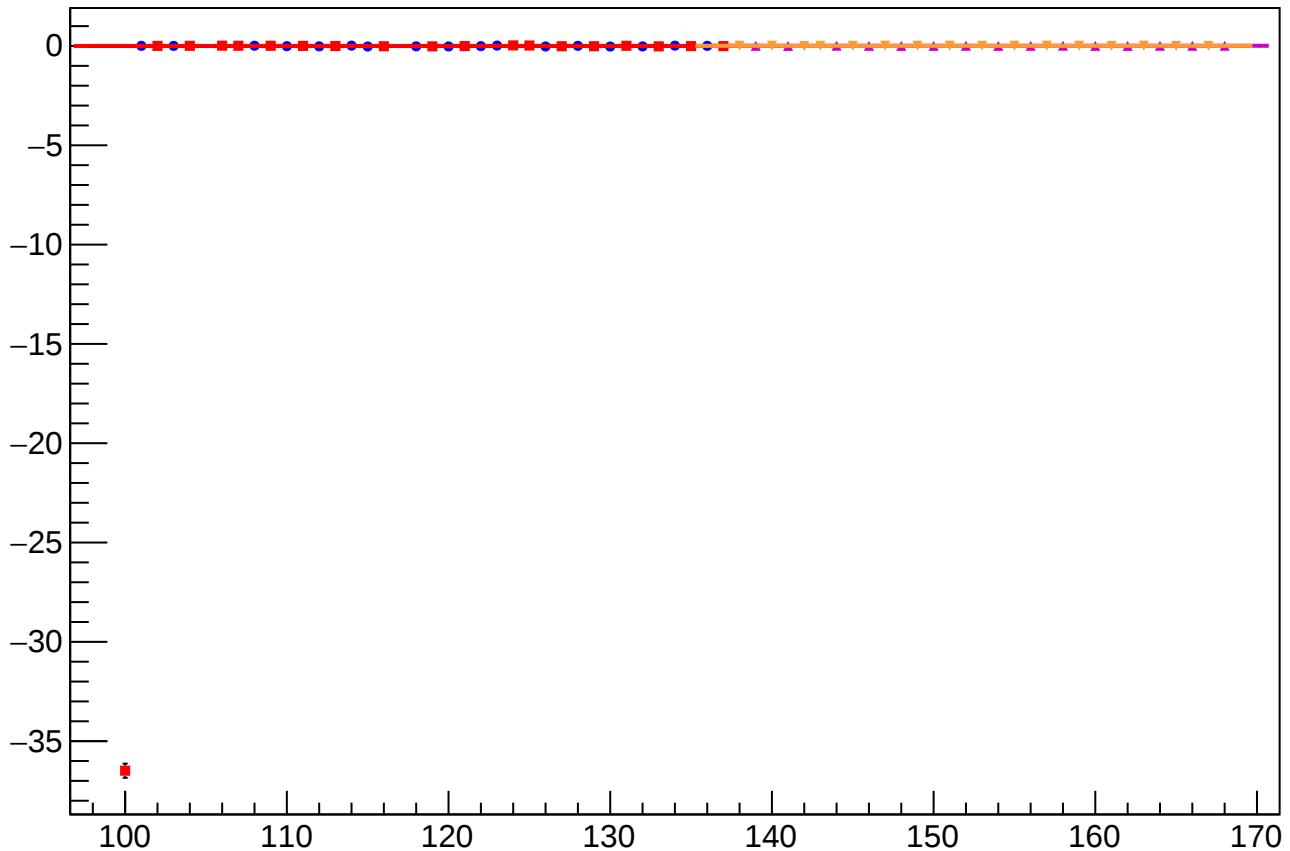
Left In: 0.148 $\pm$ 0.031 χ^2 /NDF: 14.7/14

+ sign 0.044 $\pm$ 0.025 χ^2 /NDF: 37.1/32

All: 0.094 $\pm$ 0.018 χ^2 /NDF: 77.0/66

- sign 0.148 $\pm$ 0.026 χ^2 /NDF: 31.3/33

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 30.6/16

Left Out: 0.010+/-0.001 χ^2/NDF : 9.5/15

Right Out: 0.001+/-0.002 χ^2/NDF : 10449.1/18

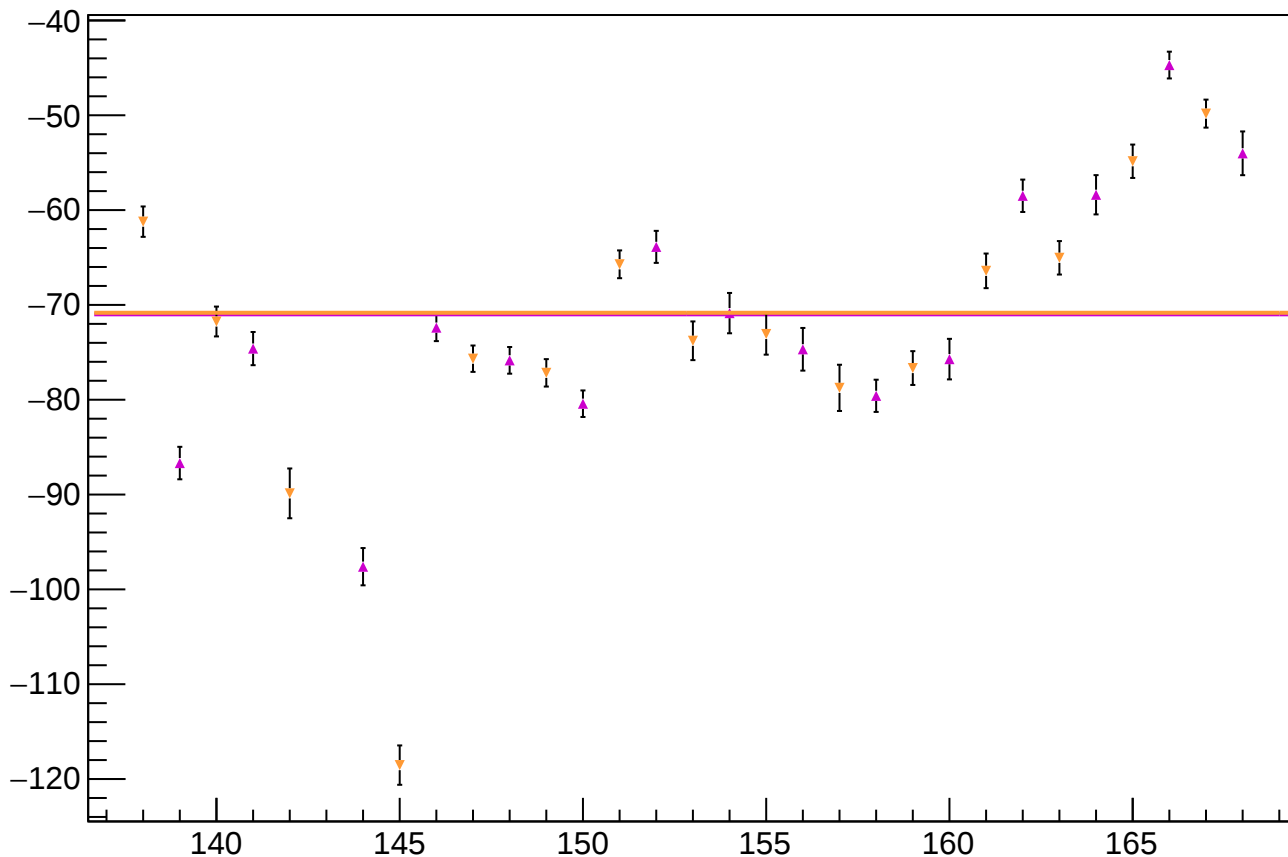
Left In: 0.011+/-0.001 χ^2/NDF : 5.8/14

+ sign 0.007+/-0.001 χ^2/NDF : 49.6/32

All: 0.008+/-0.001 χ^2/NDF : 10519.5/66

- sign 0.008+/-0.001 χ^2/NDF : 10469.4/33

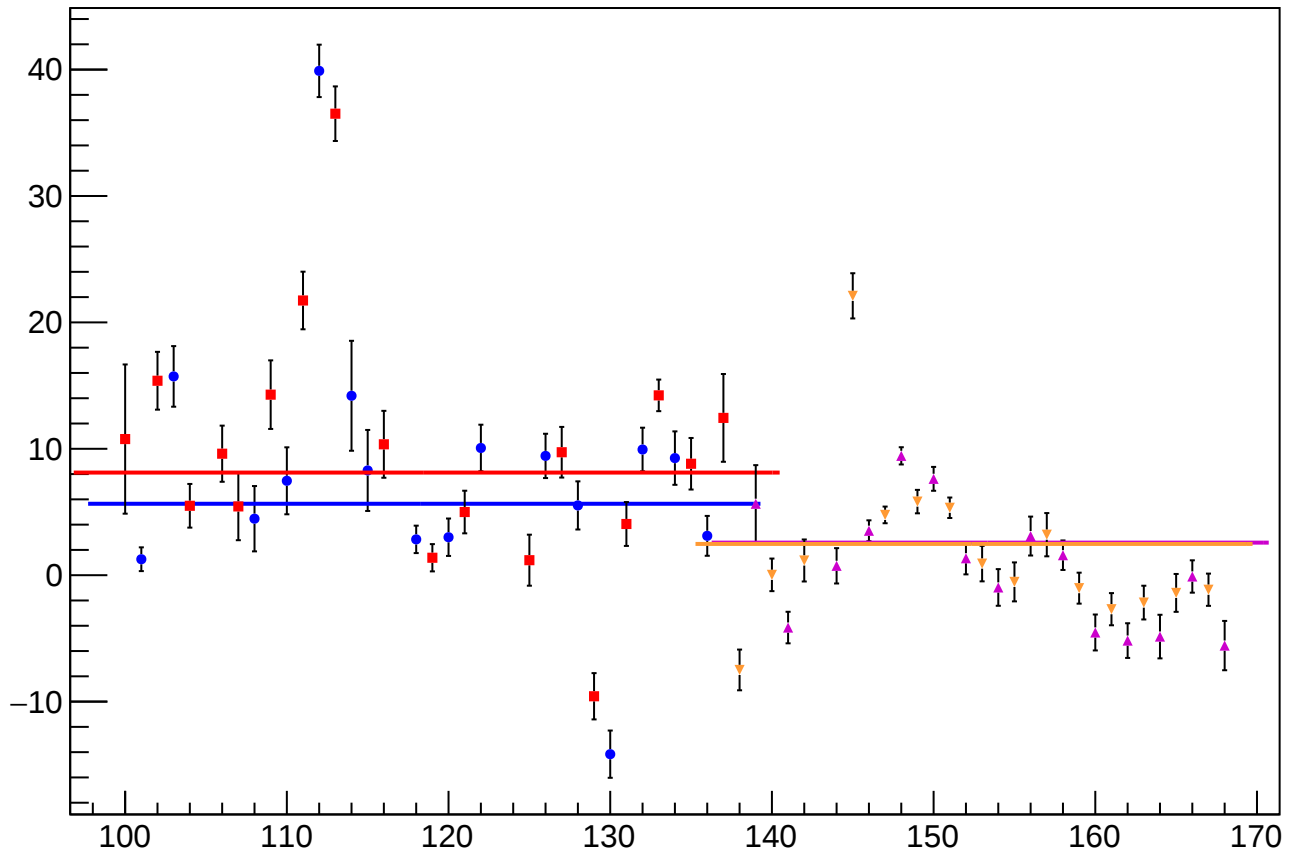
reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -70.828+/-0.449 χ^2/NDF : 986.4/14
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -70.993+/-0.446 χ^2/NDF : 871.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
All: -70.911+/-0.316 χ^2/NDF : 1858.1/29
- sign 0.000+/-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: 2.474 ± 0.304 χ^2/NDF : 257.3/14

Right Out: 8.119 ± 0.453 χ^2/NDF : 407.9/17

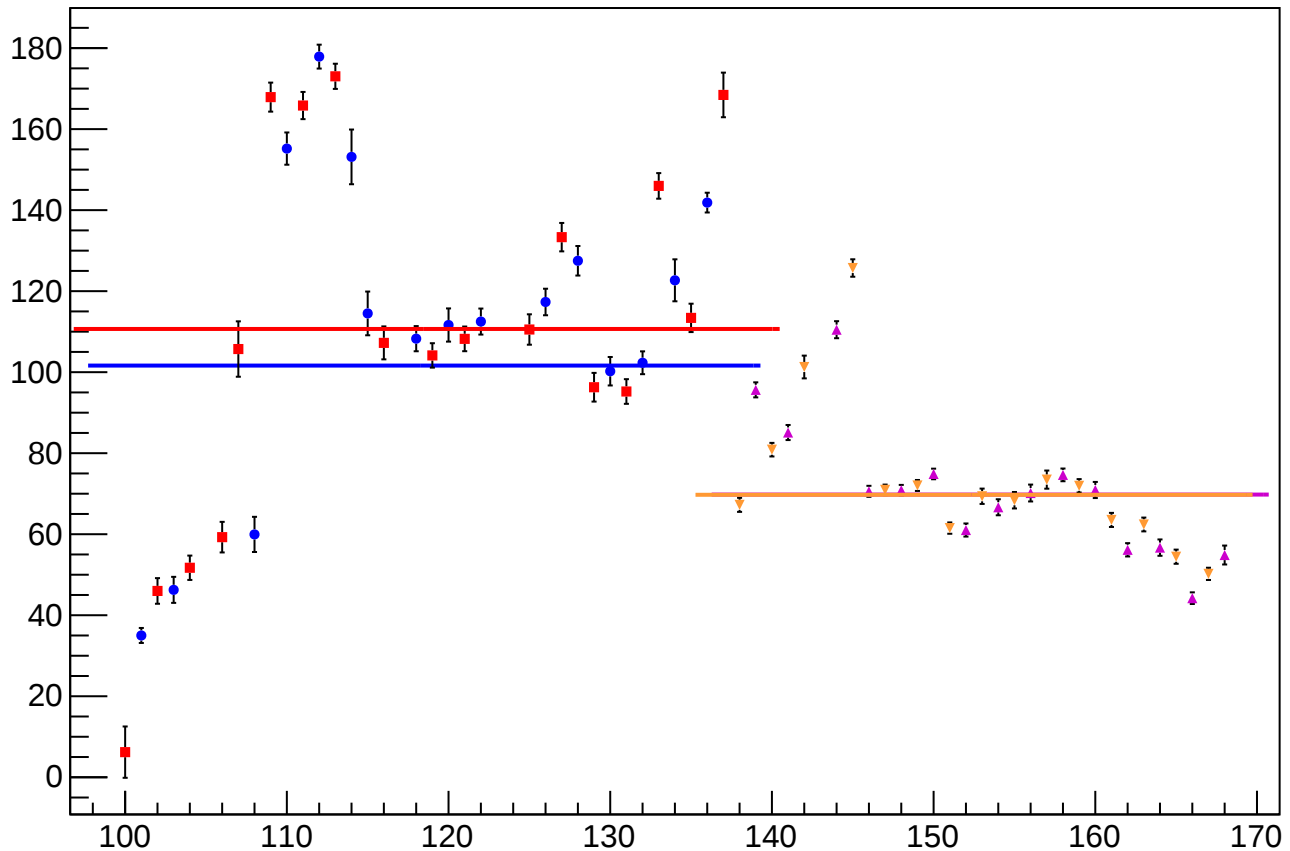
Left In: 2.577 ± 0.309 χ^2/NDF : 267.9/14

+ sign 3.535 ± 0.248 χ^2/NDF : 755.7/30

All: 3.925 ± 0.178 χ^2/NDF : 1538.9/63

- sign 4.338 ± 0.255 χ^2/NDF : 778.1/32

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 69.733 $\pm$ 0.438 χ^2 /NDF:1165.1/14

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

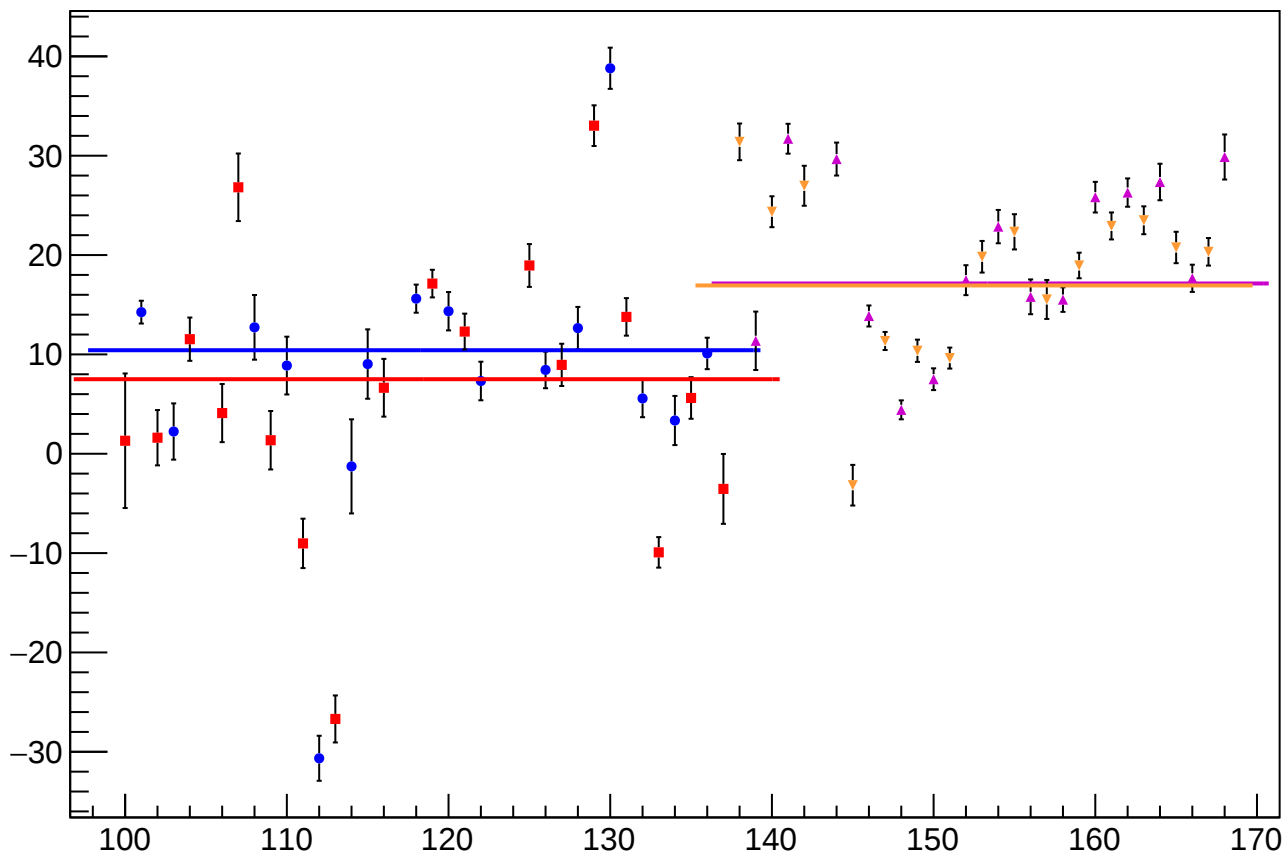
Left In: 69.785 $\pm$ 0.434 χ^2 /NDF:1161.9/14

+ sign 76.928 $\pm$ 0.386 χ^2 /NDF: 5340.1/30

All: 77.693 $\pm$ 0.272 χ^2 /NDF: 10907.8/63

- sign 78.456 $\pm$ 0.385 χ^2 /NDF: 5559.9/32

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 16.940 ± 0.362 $\chi^2/\text{NDF}: 394.4/14$

Right Out: 7.502 ± 0.523 $\chi^2/\text{NDF}: 689.4/17$

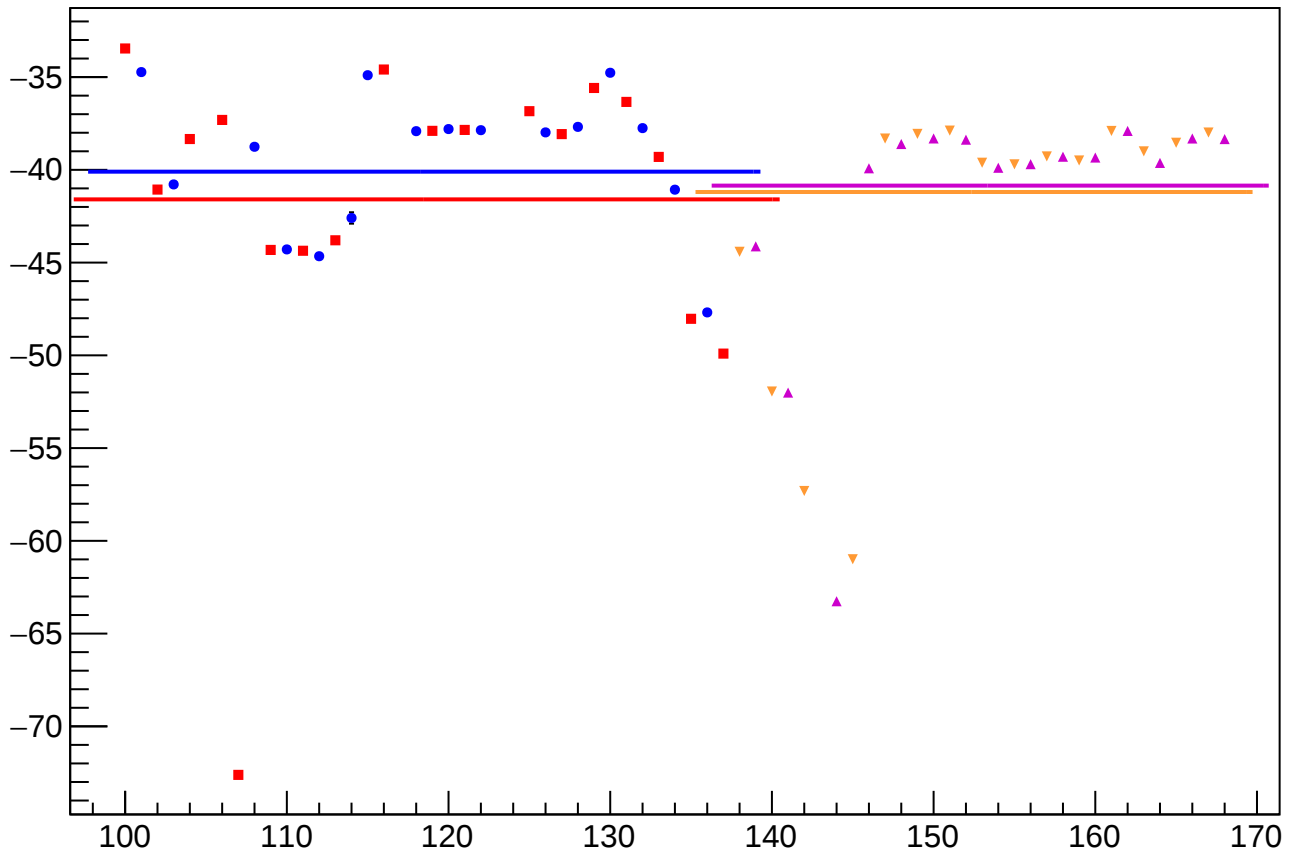
Left In: 17.139 ± 0.366 $\chi^2/\text{NDF}: 569.2/14$

+ sign 14.685 ± 0.293 $\chi^2/\text{NDF}: 1086.6/30$

All: 14.338 ± 0.209 $\chi^2/\text{NDF}: 2575.9/63$

- sign 13.974 ± 0.300 $\chi^2/\text{NDF}: 1486.5/32$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -41.194 ± 0.018 $\chi^2/\text{NDF}: 116134.7/14$

Right Out: -41.592 ± 0.029 $\chi^2/\text{NDF}: 61677.7/17$

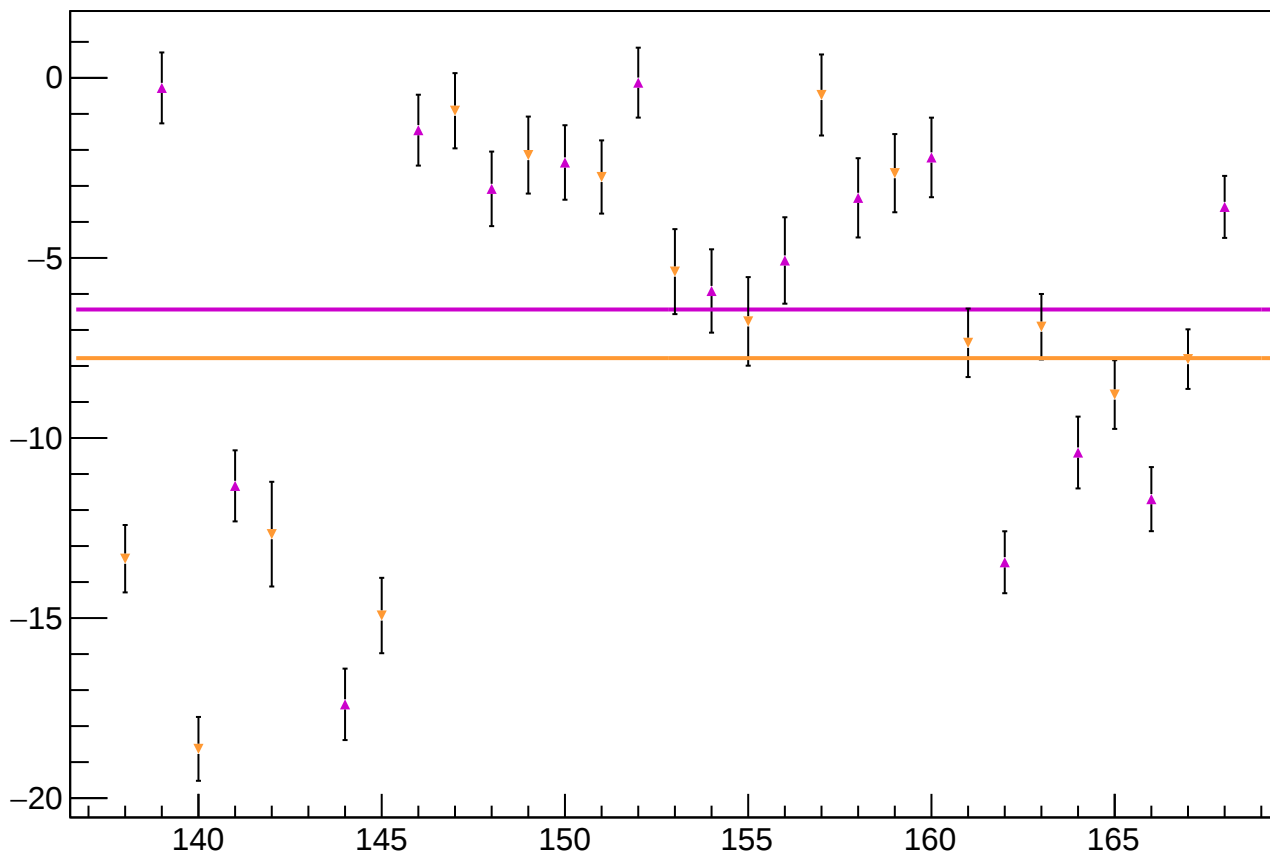
Left In: -40.851 ± 0.017 $\chi^2/\text{NDF}: 95199.1/14$

+ sign -40.889 ± 0.015 $\chi^2/\text{NDF}: 142289.5/30$

All: -40.970 ± 0.011 $\chi^2/\text{NDF}: 299716.4/63$

- sign -41.050 ± 0.015 $\chi^2/\text{NDF}: 157368.7/32$

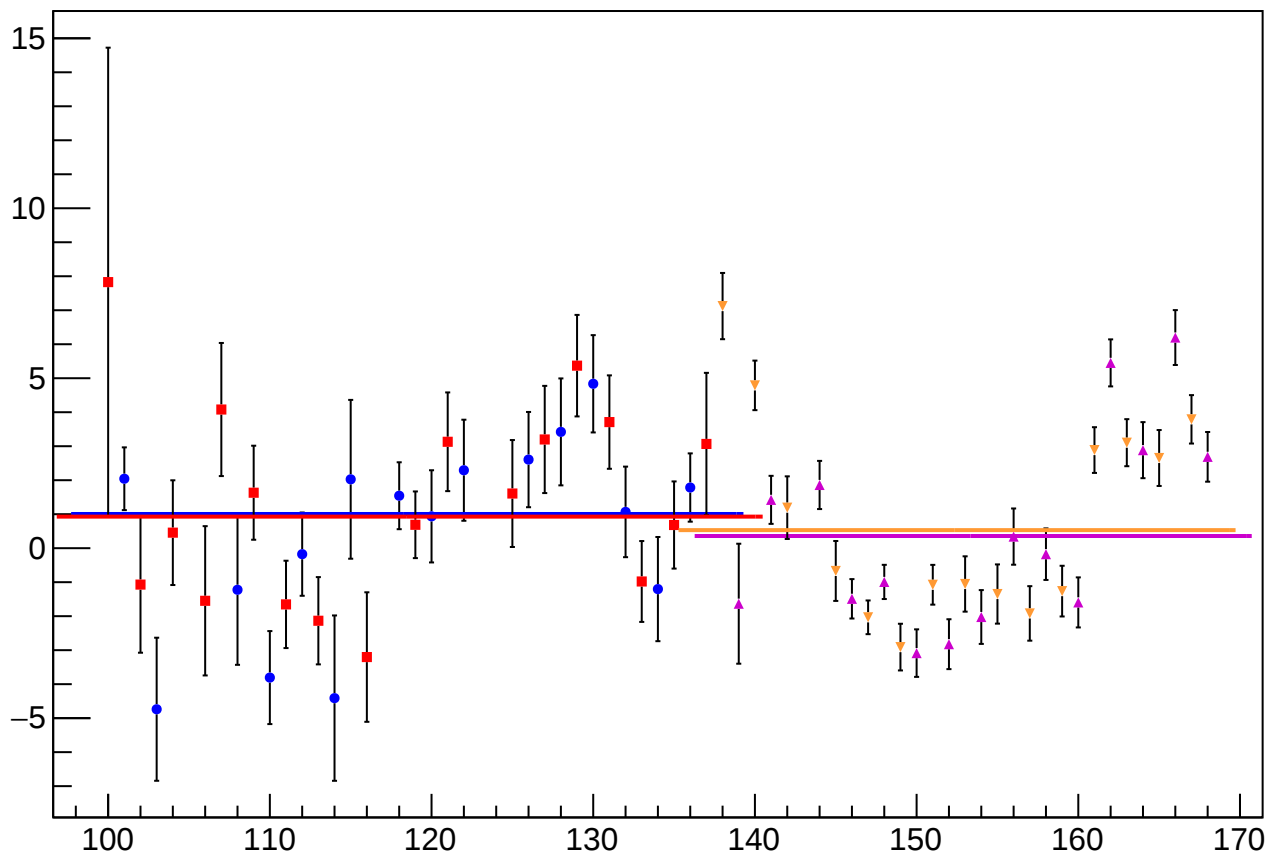
reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.782 $\pm$ 0.263 χ^2 /NDF: 410.3/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.432 $\pm$ 0.257 χ^2 /NDF: 432.1/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -7.092 $\pm$ 0.184 χ^2 /NDF: 855.8/29
 - 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 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 0.531 ± 0.188 $\chi^2/\text{NDF}: 218.9/14$

Right Out: 0.929 ± 0.353 $\chi^2/\text{NDF}: 41.9/17$

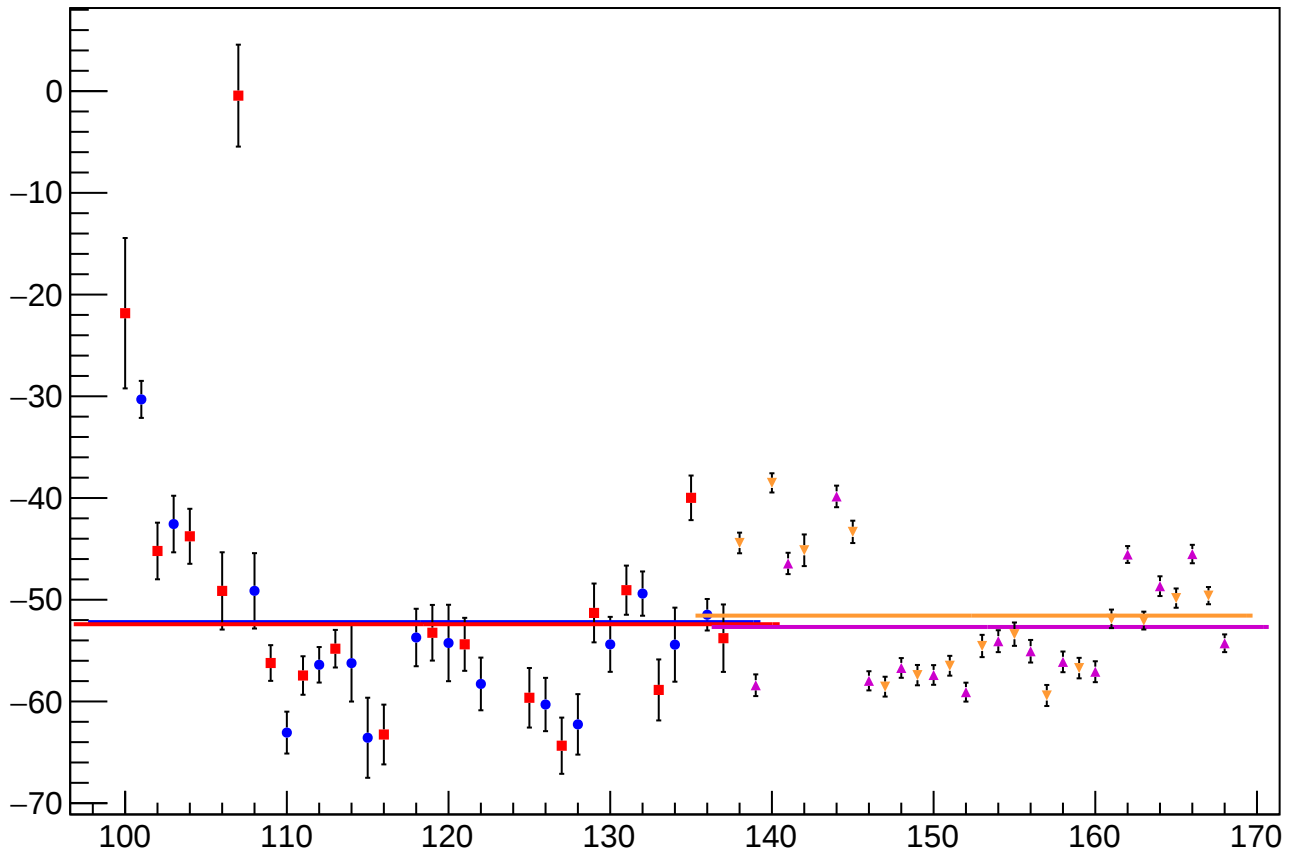
Left In: 0.358 ± 0.186 $\chi^2/\text{NDF}: 211.1/14$

+ sign 0.641 ± 0.164 $\chi^2/\text{NDF}: 263.1/30$

All: 0.562 ± 0.116 $\chi^2/\text{NDF}: 518.7/63$

- sign 0.483 ± 0.165 $\chi^2/\text{NDF}: 255.0/32$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -51.561 ± 0.258 χ^2/NDF : 527.6/14

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

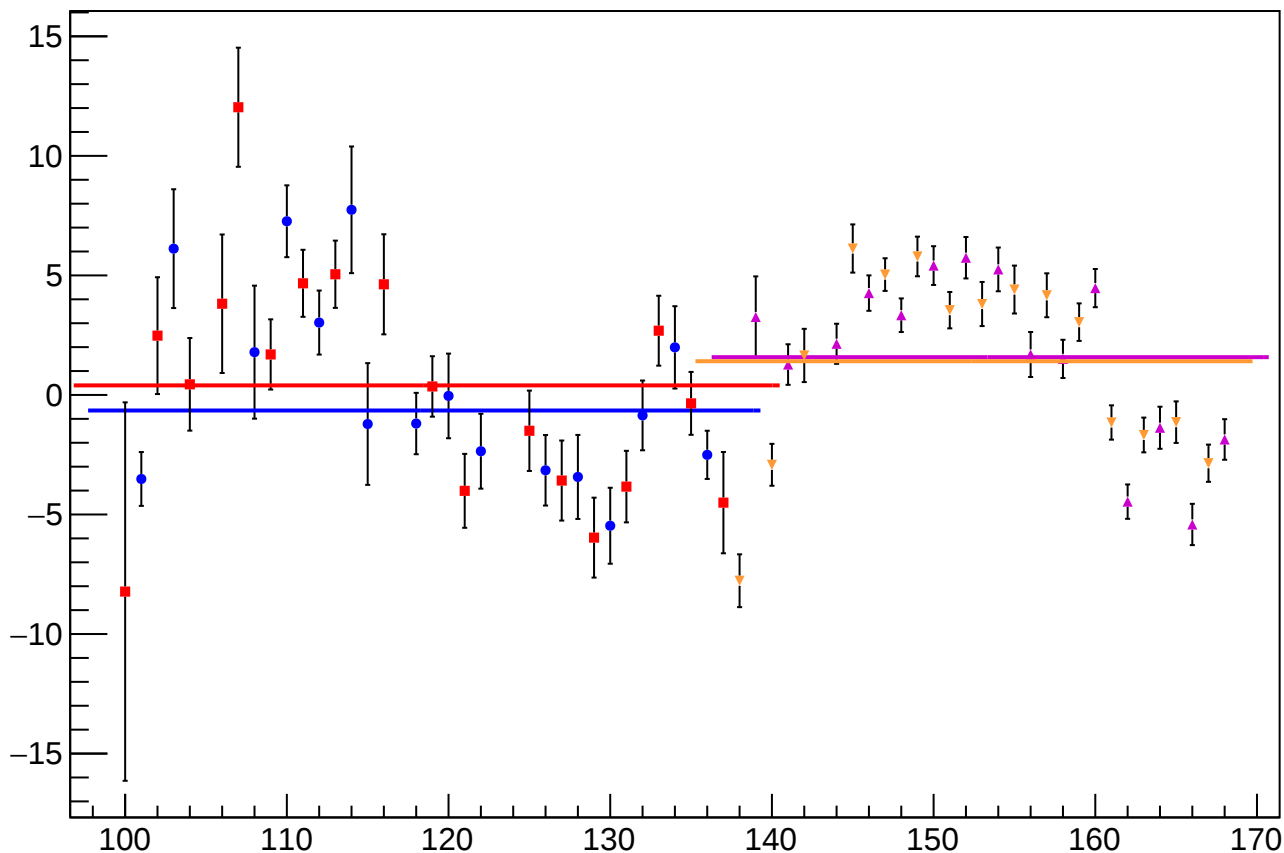
Left In: -52.677 ± 0.252 χ^2/NDF : 523.7/14

+ sign -51.657 ± 0.238 χ^2/NDF : 759.1/30

All: -52.158 ± 0.167 χ^2/NDF : 1525.6/63

- sign -52.638 ± 0.233 χ^2/NDF : 757.8/32

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 1.411 ± 0.218 χ^2/NDF : 277.8/14

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

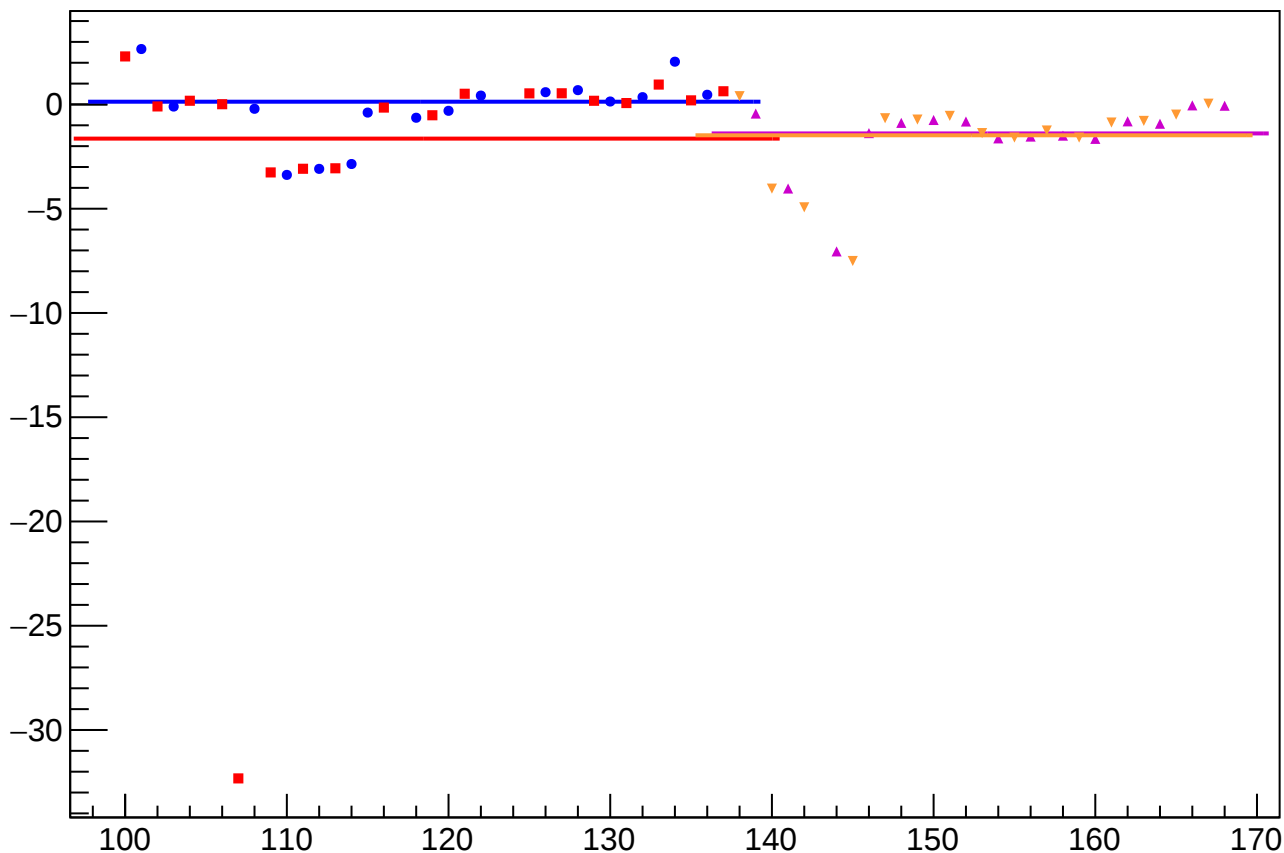
Left In: 1.580 ± 0.217 χ^2/NDF : 259.5/14

+ sign 0.914 ± 0.190 χ^2/NDF : 381.3/30

All: 1.112 ± 0.135 χ^2/NDF : 745.6/63

- sign 1.312 ± 0.191 χ^2/NDF : 362.2/32

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.479 ± 0.010 $\chi^2/\text{NDF}: 33147.1/14$

Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$

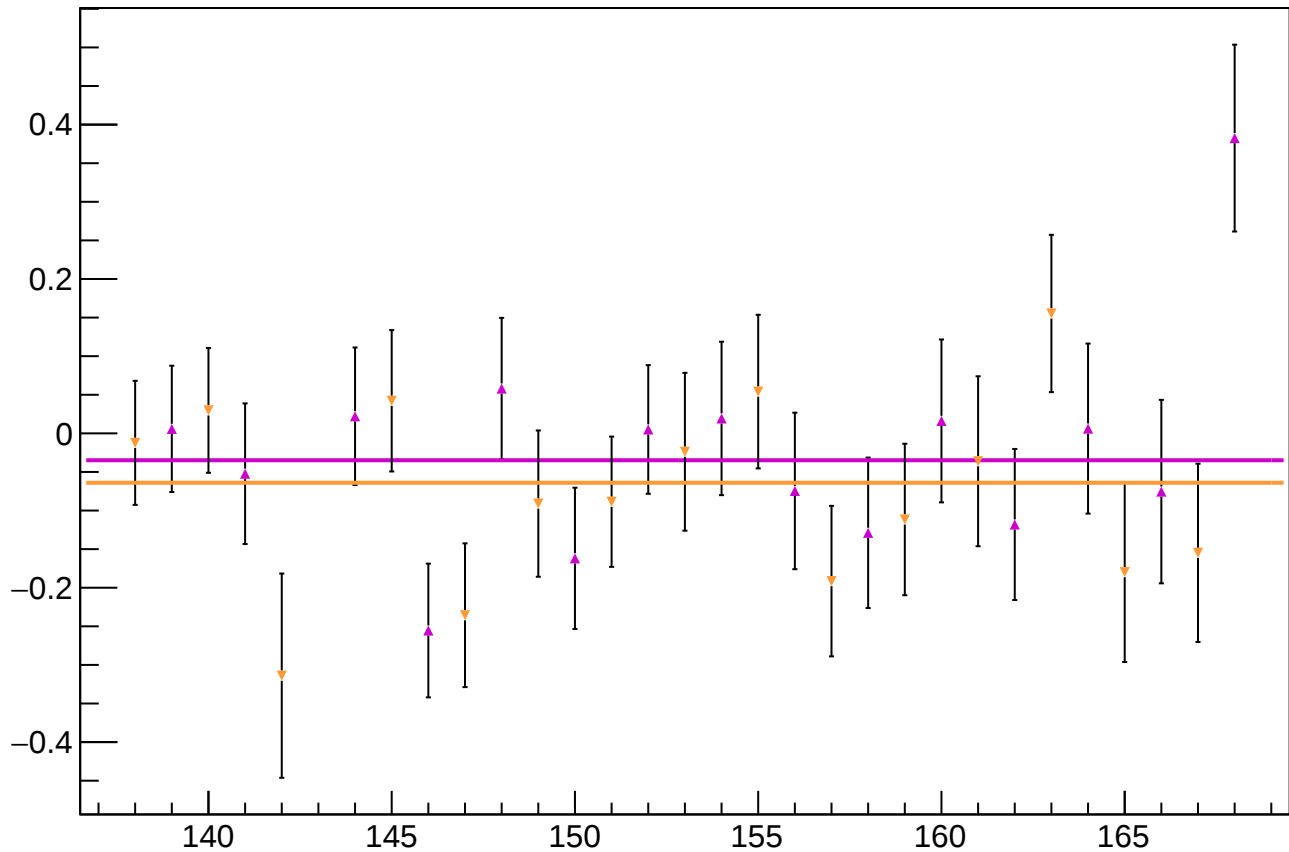
Left In: -1.390 ± 0.010 $\chi^2/\text{NDF}: 23388.5/14$

+ sign -1.185 ± 0.009 $\chi^2/\text{NDF}: 42957.5/30$

All: -1.311 ± 0.006 $\chi^2/\text{NDF}: 144667.9/63$

- sign -1.432 ± 0.009 $\chi^2/\text{NDF}: 101344.1/32$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.064+/-0.025 χ^2/NDF : 20.0/14

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

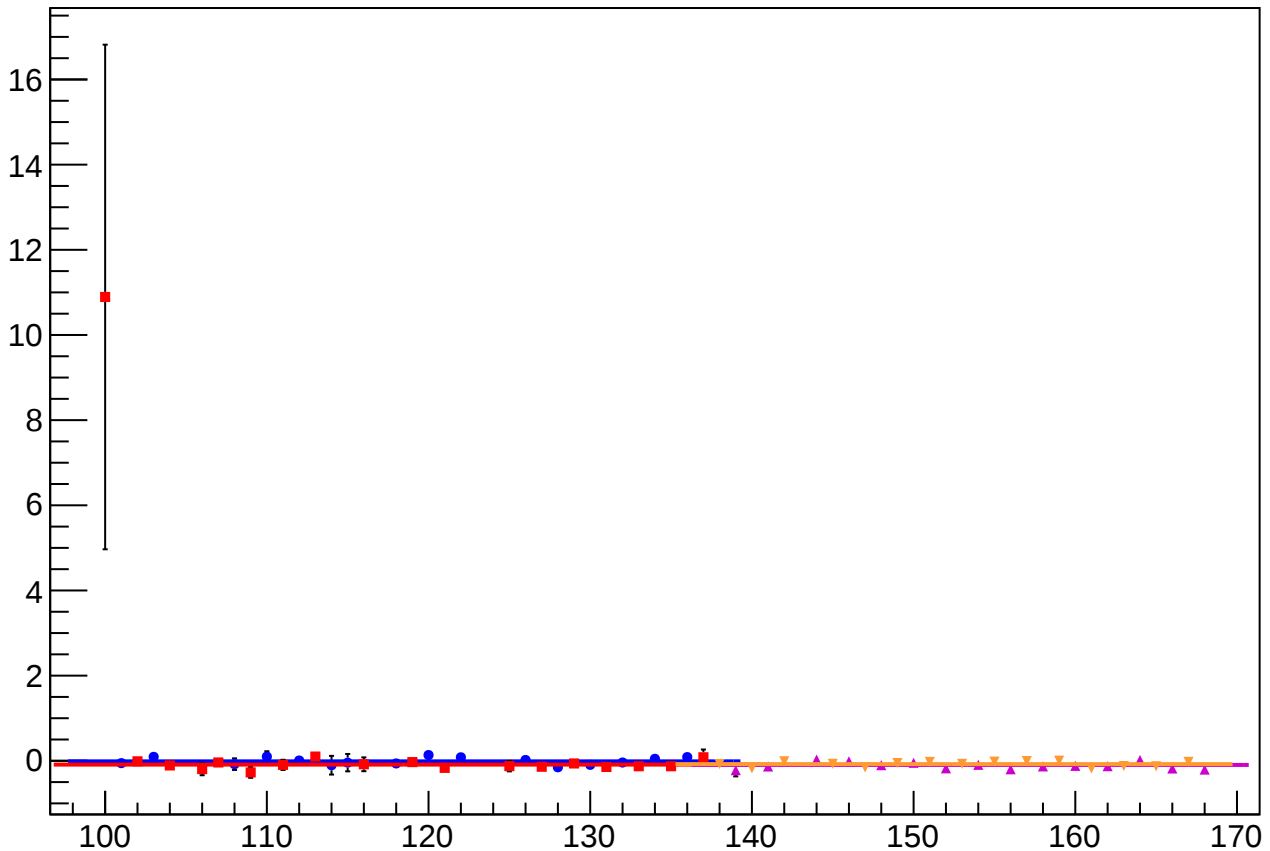
Left In: -0.035+/-0.025 χ^2/NDF : 24.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.049+/-0.018 χ^2/NDF : 45.6/29

- sign 0.000+/-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: -0.078 ± 0.018 χ^2/NDF : 13.0/14

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

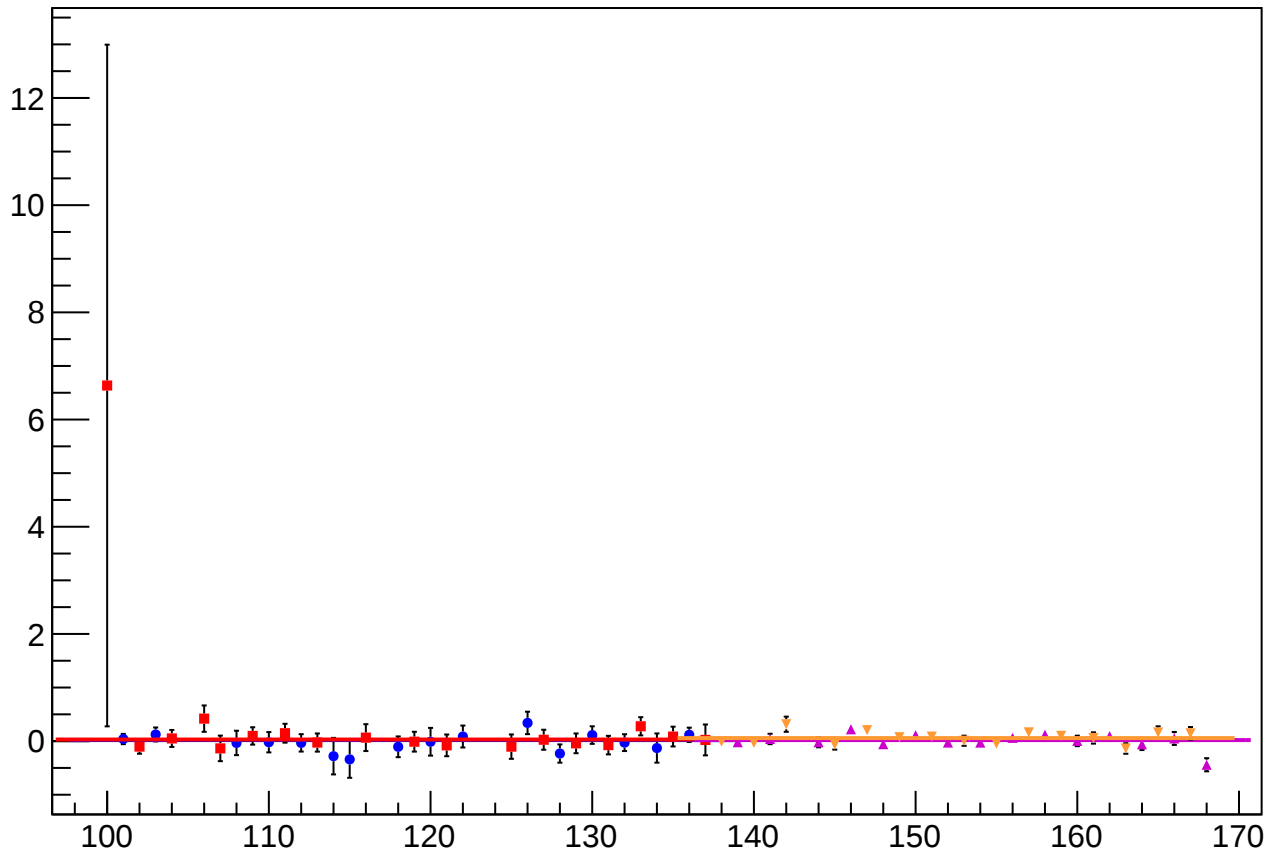
Left In: -0.097 ± 0.018 χ^2/NDF : 15.9/14

+ sign -0.055 ± 0.014 χ^2/NDF : 29.5/30

All: -0.074 ± 0.010 χ^2/NDF : 62.4/63

- sign -0.095 ± 0.014 χ^2/NDF : 29.0/32

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.057 $\pm$ 0.025 χ^2 /NDF:18.0/14

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

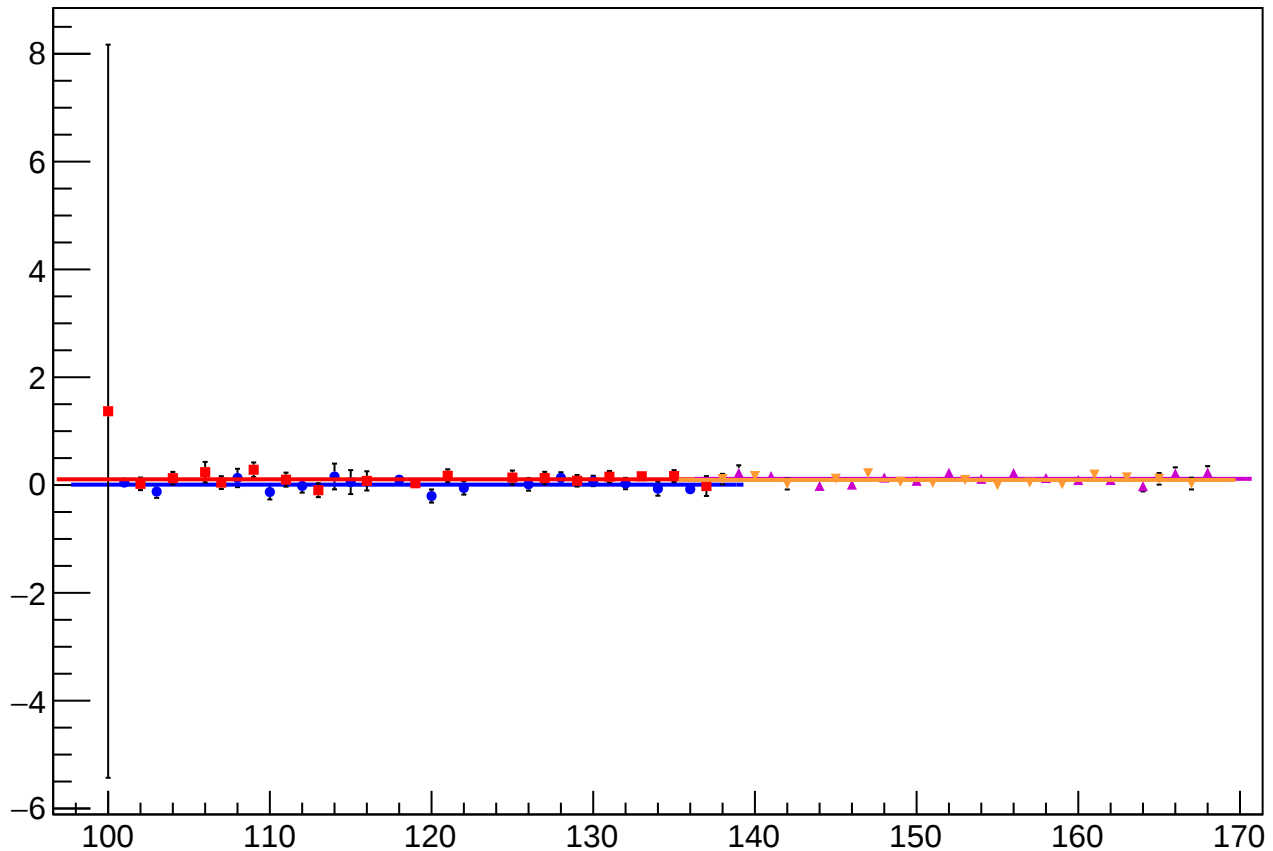
Left In: 0.019 $\pm$ 0.024 χ^2 /NDF:25.6/14

+ sign 0.048 $\pm$ 0.021 χ^2 /NDF: 27.6/30

All: 0.035 $\pm$ 0.015 χ^2 /NDF: 63.3/63

- sign 0.022 $\pm$ 0.021 χ^2 /NDF: 34.9/32

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.095 ± 0.021 χ^2/NDF : 11.9/14

Right Out: 0.107 ± 0.029 χ^2/NDF : 8.2/17

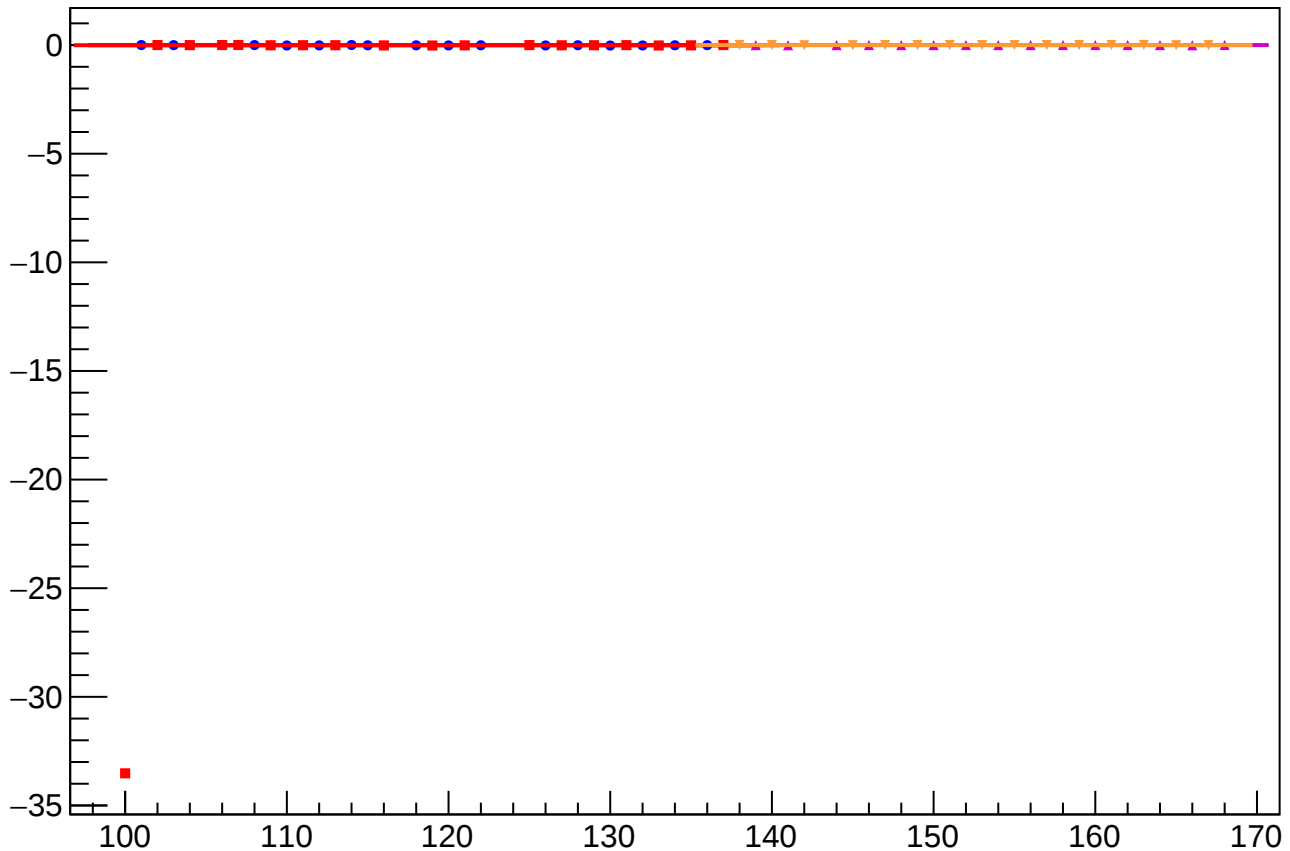
Left In: 0.115 ± 0.021 χ^2/NDF : 15.0/14

+ sign 0.062 ± 0.016 χ^2/NDF : 29.7/30

All: 0.087 ± 0.012 χ^2/NDF : 57.5/63

- sign 0.112 ± 0.017 χ^2/NDF : 23.2/32

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 : 11.0/14

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.7/17

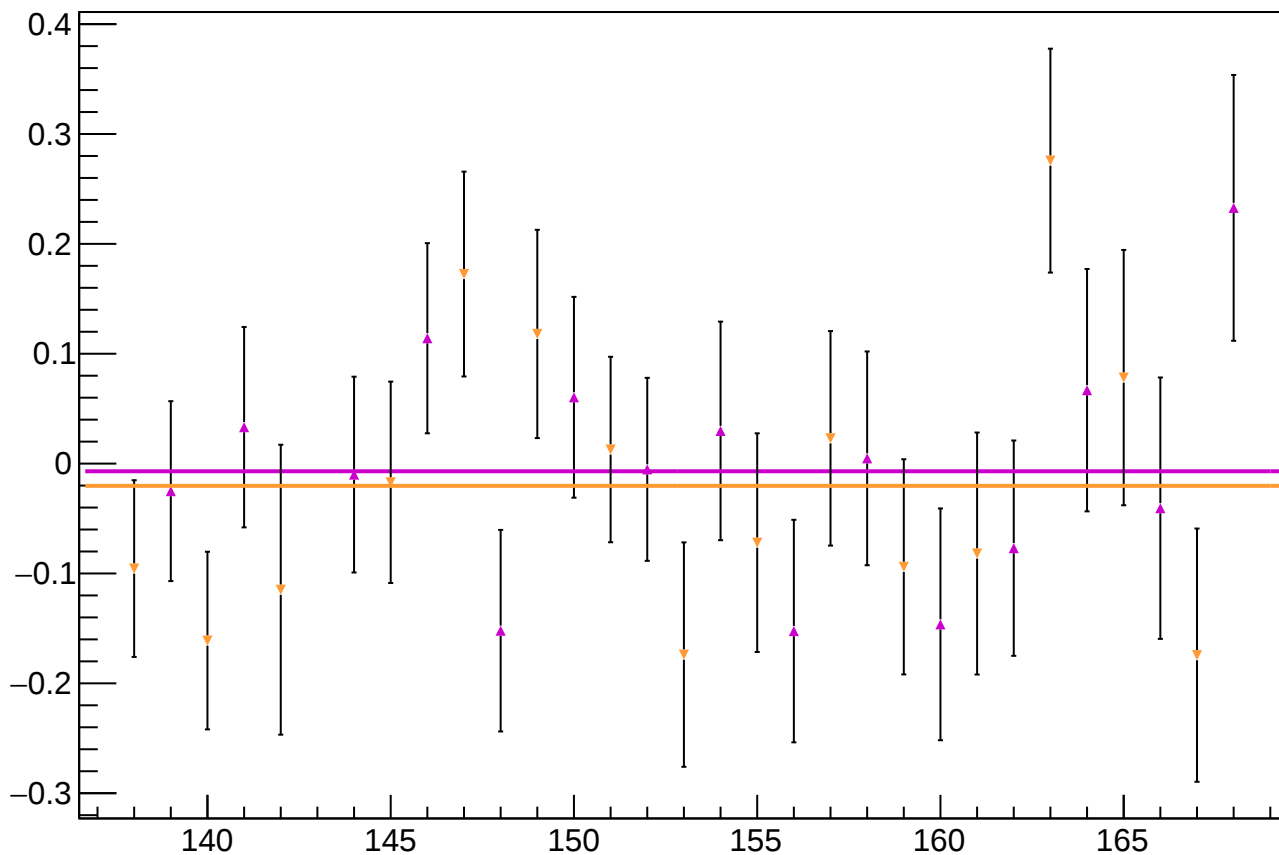
Left In: 0.000 ± 0.001 χ^2/NDF : 11.4/14

+ sign -0.001 ± 0.001 χ^2/NDF : 46.2/30

All: -0.001 ± 0.001 χ^2/NDF : 26578.5/63

- sign -0.002 ± 0.001 χ^2/NDF : 26531.8/32

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.020 $\pm$ 0.025 χ^2 /NDF: 25.5/14

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

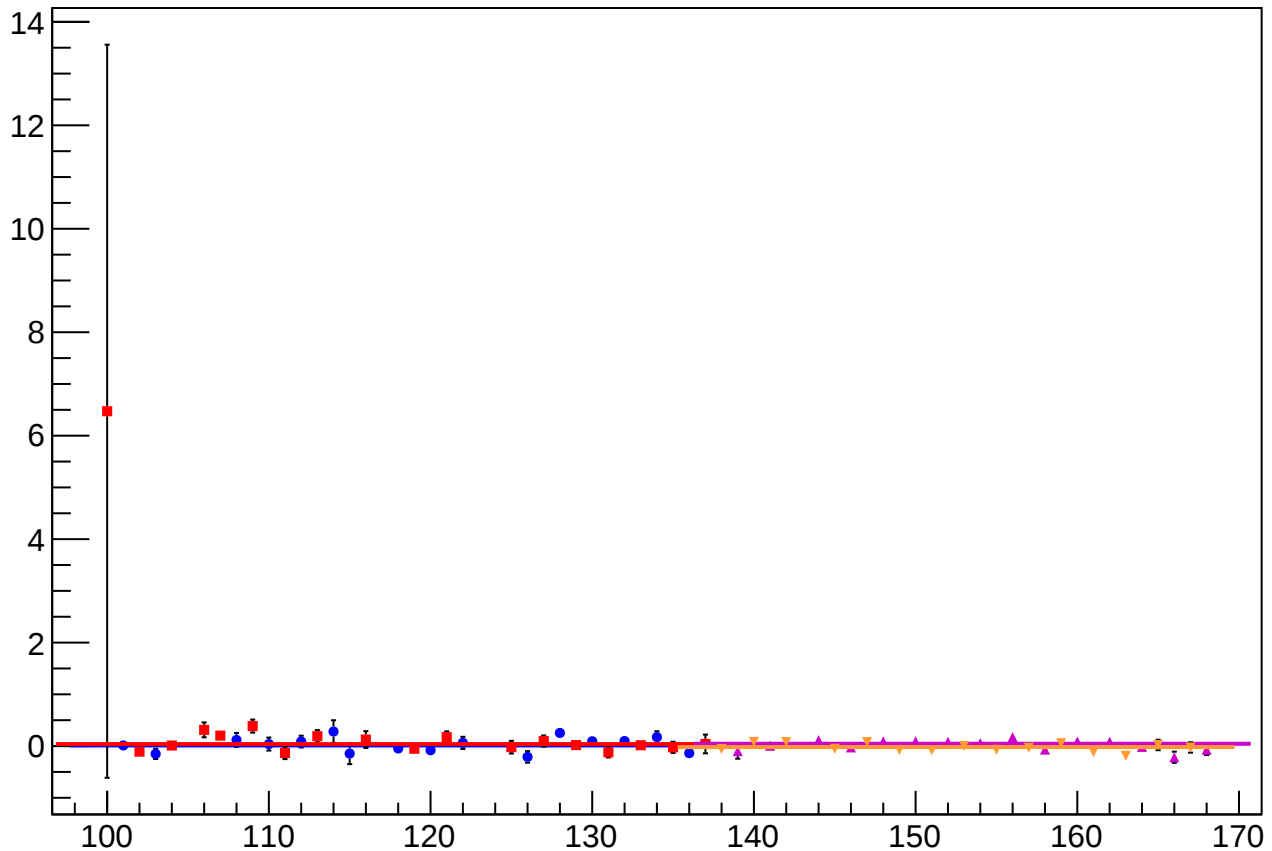
Left In: -0.007 $\pm$ 0.025 χ^2 /NDF: 14.2/14

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

All: -0.014 $\pm$ 0.018 χ^2 /NDF: 39.8/29

- 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: -0.020 ± 0.018 χ^2/NDF : 19.5/14

Right Out: 0.038 ± 0.025 χ^2/NDF : 28.4/17

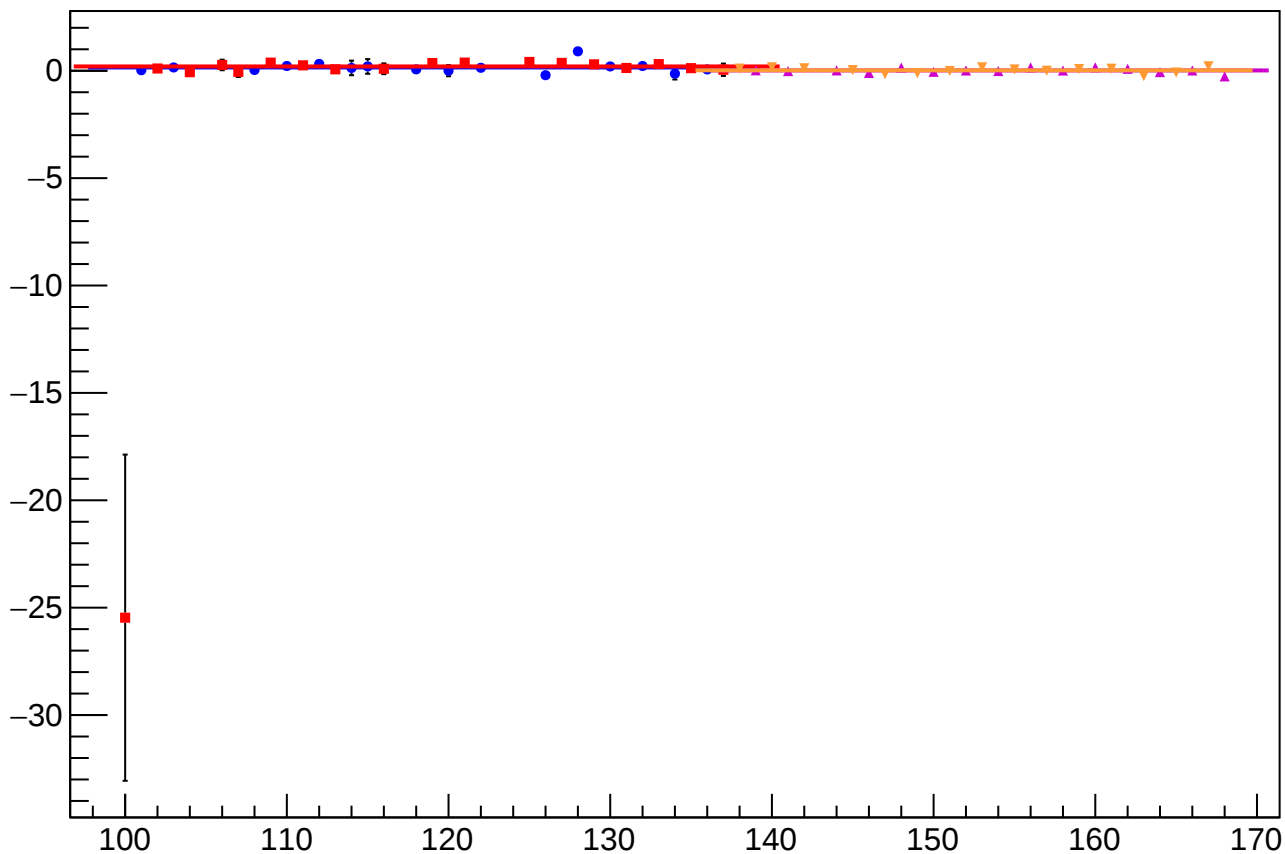
Left In: 0.044 ± 0.018 χ^2/NDF : 20.7/14

+ sign -0.008 ± 0.014 χ^2/NDF : 45.7/30

All: 0.016 ± 0.010 χ^2/NDF : 101.2/63

- sign 0.042 ± 0.014 χ^2/NDF : 49.2/32

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

Left Out: 0.020 $\pm$ 0.025 χ^2 /NDF: 24.9/14

Right Out: 0.201 $\pm$ 0.045 χ^2 /NDF: 22.6/17

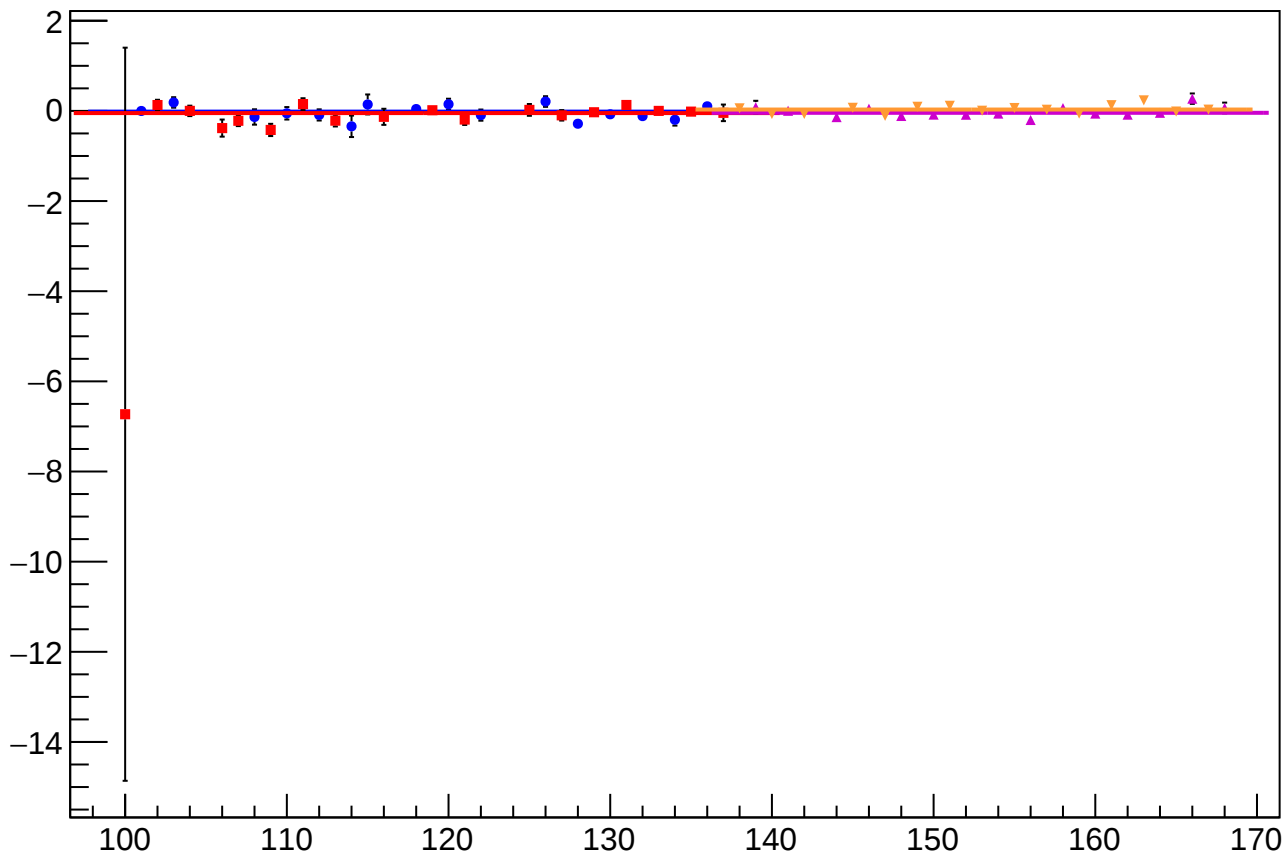
Left In: 0.015 $\pm$ 0.024 χ^2 /NDF: 15.9/14

+ sign 0.053 $\pm$ 0.021 χ^2 /NDF: 60.2/30

All: 0.055 $\pm$ 0.015 χ^2 /NDF: 111.9/63

- sign 0.057 $\pm$ 0.021 χ^2 /NDF: 51.7/32

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.030 ± 0.021 χ^2/NDF : 20.2/14

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

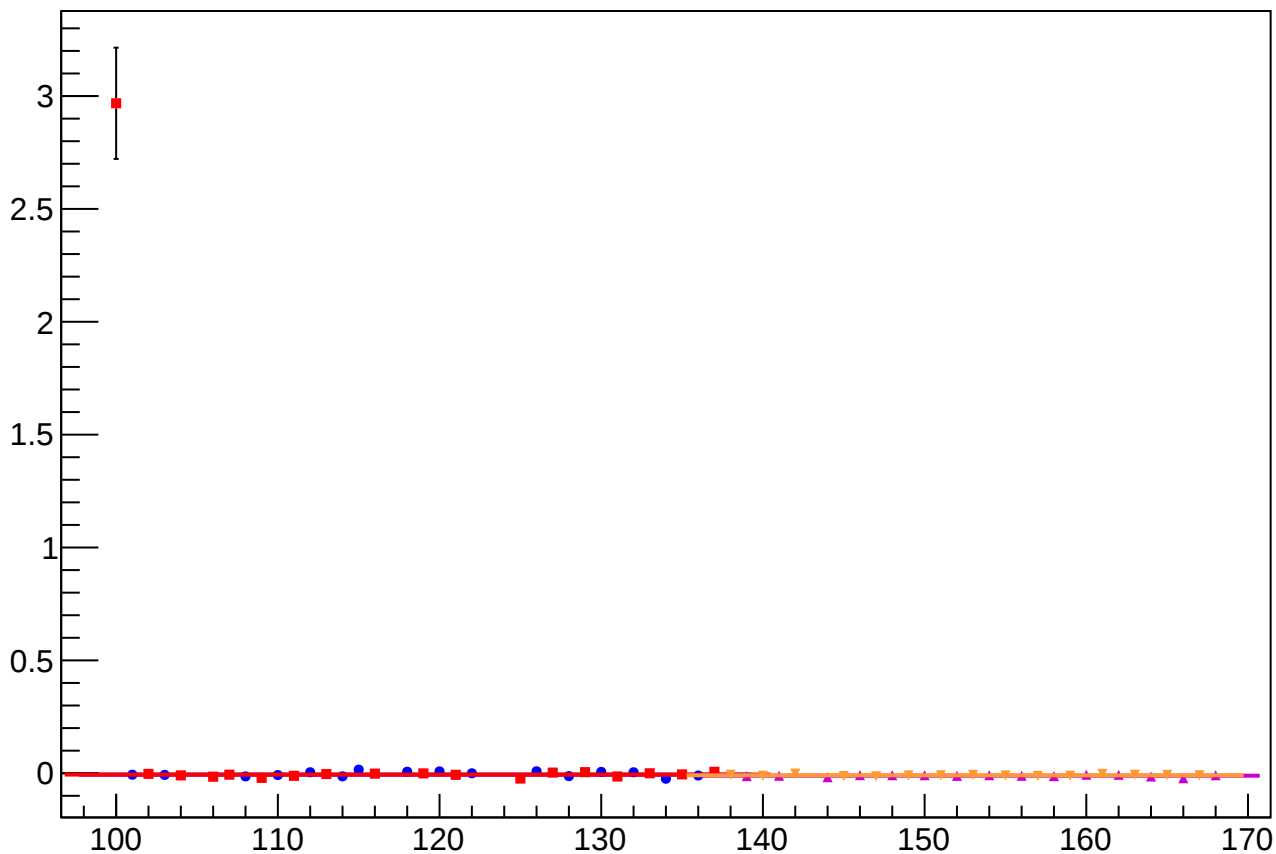
Left In: -0.042 ± 0.021 χ^2/NDF : 21.3/14

+ sign 0.013 ± 0.016 χ^2/NDF : 46.3/30

All: -0.015 ± 0.012 χ^2/NDF : 99.6/63

- sign -0.044 ± 0.017 χ^2/NDF : 47.2/32

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.009 ± 0.001 χ^2/NDF : 9.2/14

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

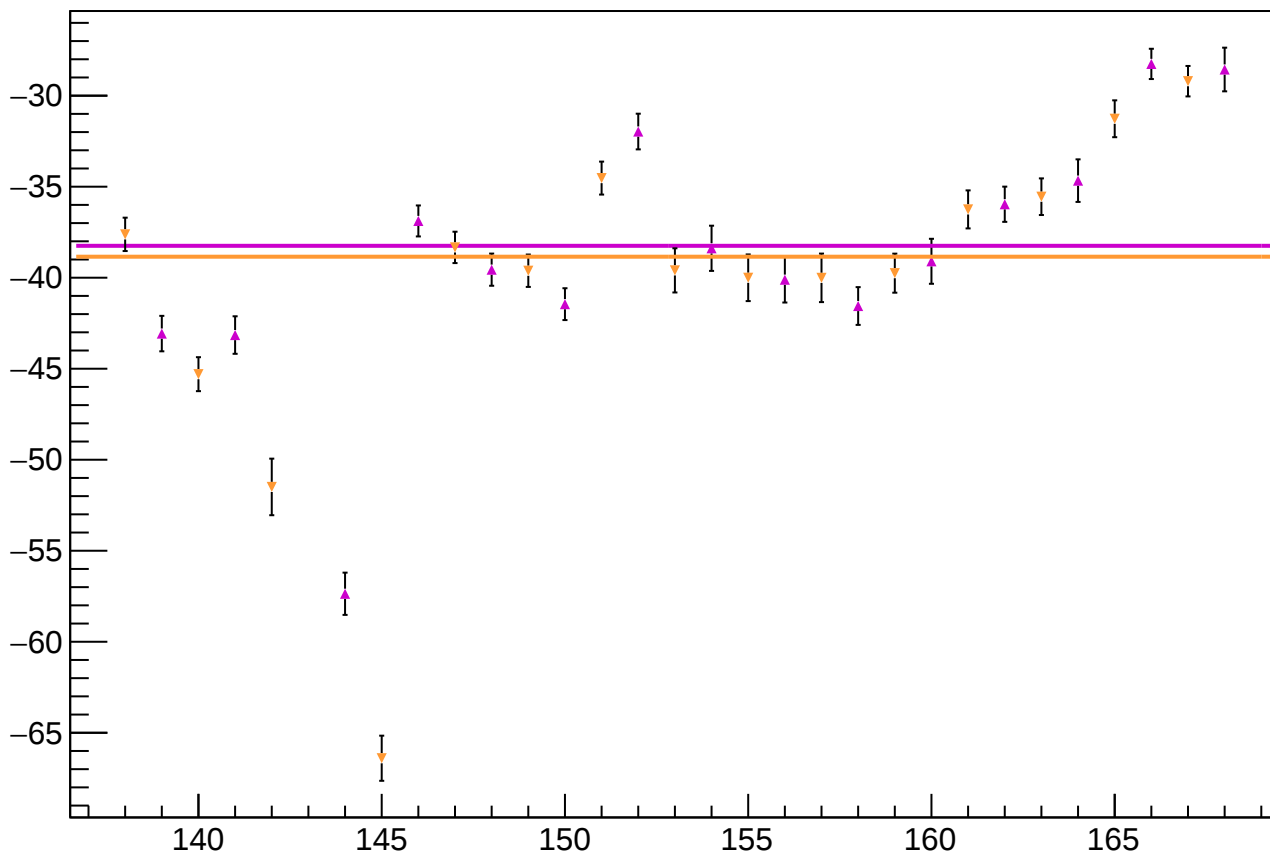
Left In: -0.011 ± 0.001 χ^2/NDF : 12.7/14

+ sign -0.008 ± 0.001 χ^2/NDF : 39.4/30

All: -0.009 ± 0.001 χ^2/NDF : 227.2/63

- sign -0.009 ± 0.001 χ^2/NDF : 186.6/32

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -38.846+/-0.265 χ^2/NDF : 842.2/14

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

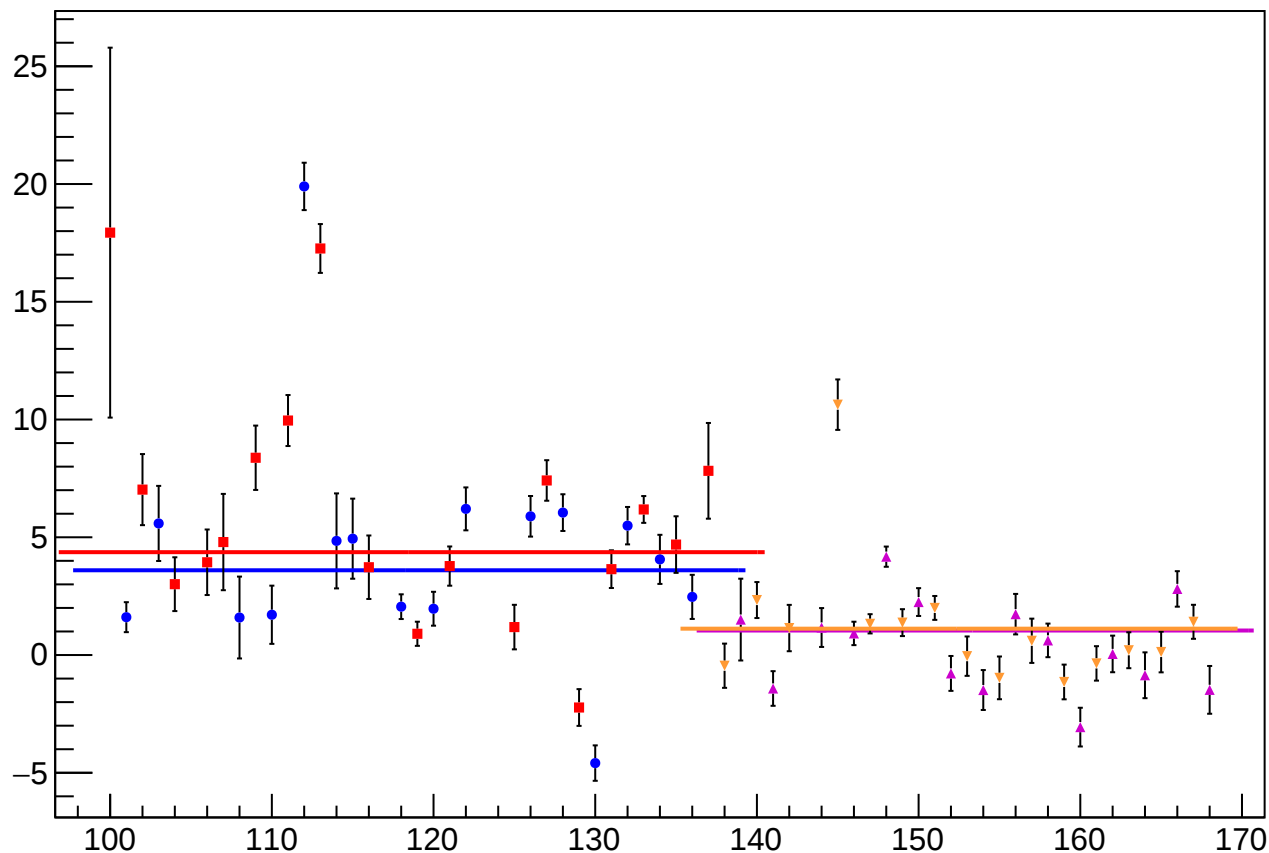
Left In: -38.248+/-0.262 χ^2/NDF : 615.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -38.544+/-0.186 χ^2/NDF : 1460.0/29

- 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 χ^2/NDF : 443.4/15

Left Out: 1.119 ± 0.182 χ^2/NDF : 111.6/14

Right Out: 4.367 ± 0.225 χ^2/NDF : 353.1/17

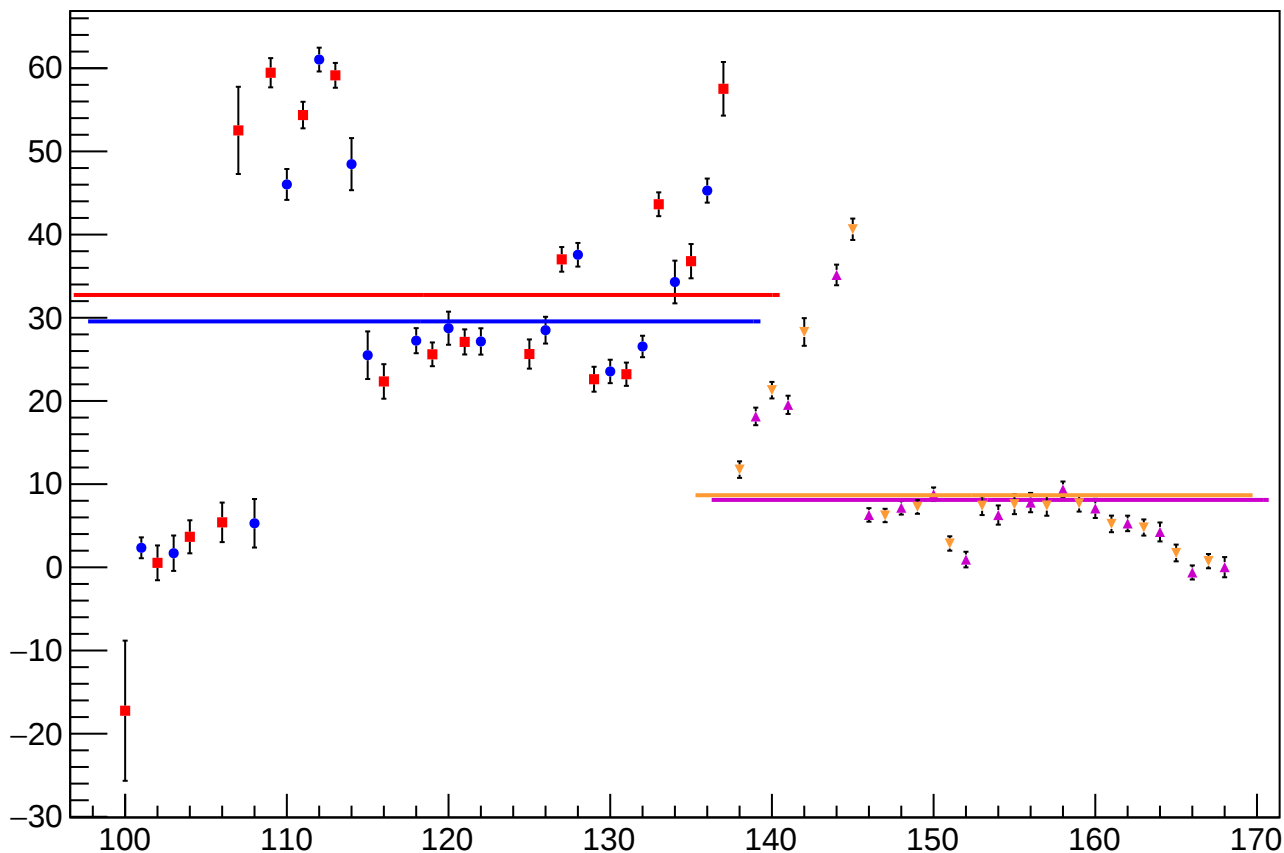
Left In: 1.041 ± 0.184 χ^2/NDF : 126.9/14

+ sign 2.126 ± 0.140 χ^2/NDF : 630.3/30

All: 2.250 ± 0.100 χ^2/NDF : 1242.8/63

- sign 2.378 ± 0.143 χ^2/NDF : 611.0/32

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 8.668 $\pm$ 0.259 χ^2 /NDF: 1150.4/14

Right Out: 32.741 $\pm$ 0.423 χ^2 /NDF: 1663.3/17

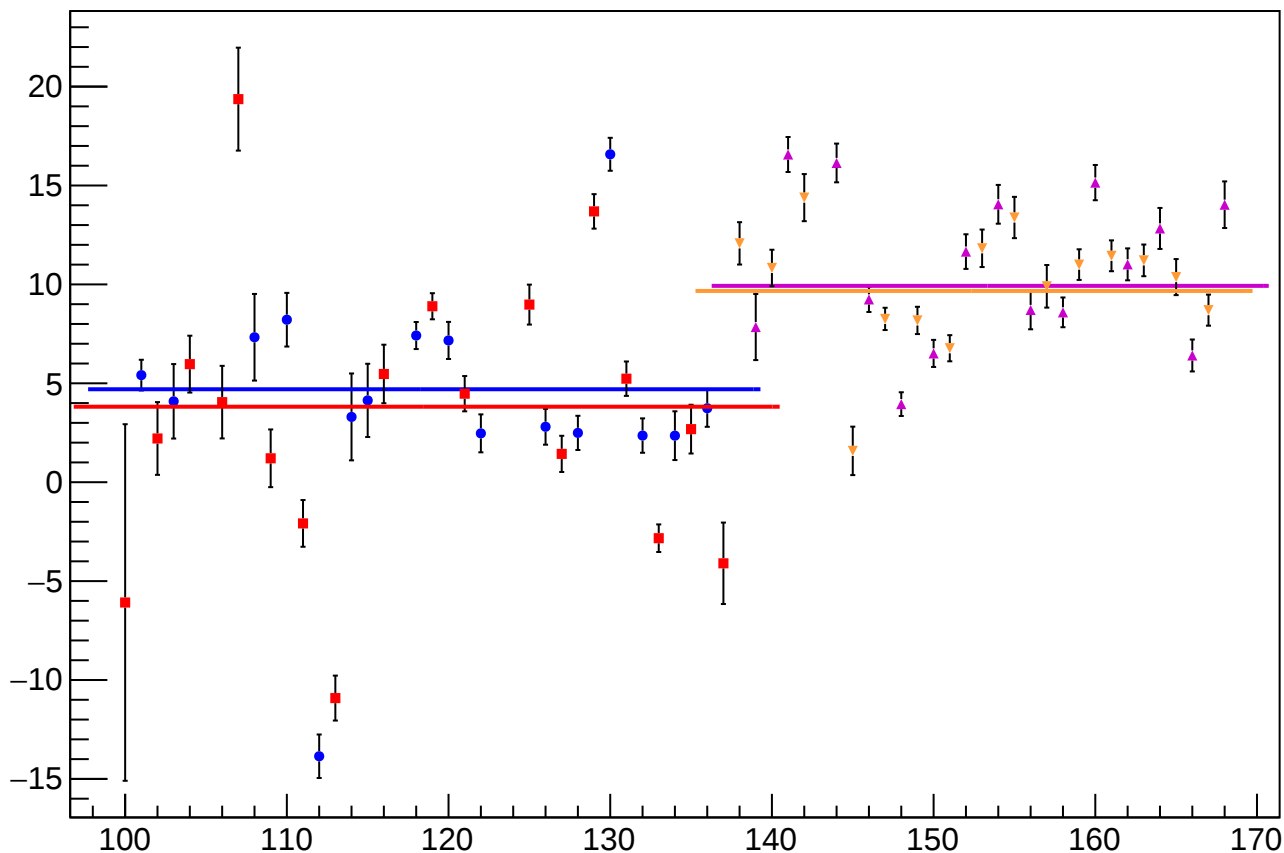
Left In: 8.104 $\pm$ 0.256 χ^2 /NDF: 915.6/14

+ sign 14.436 $\pm$ 0.220 χ^2 /NDF: 4441.0/30

All: 14.568 $\pm$ 0.155 χ^2 /NDF: 9508.0/63

- sign 14.698 $\pm$ 0.219 χ^2 /NDF: 5066.3/32

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 9.670 ± 0.215 $\chi^2/\text{NDF}: 127.9/14$

Right Out: 3.817 ± 0.258 $\chi^2/\text{NDF}: 567.6/17$

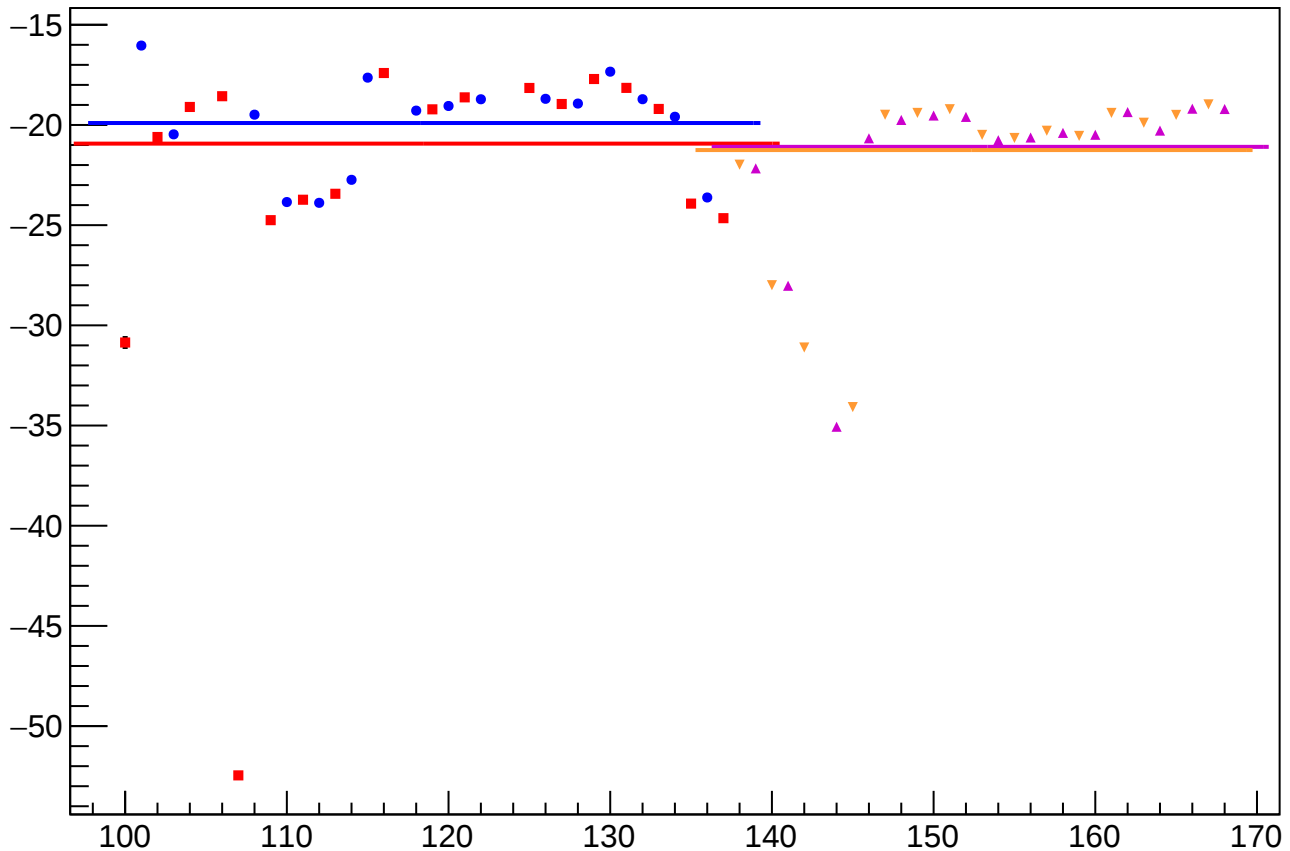
Left In: 9.927 ± 0.217 $\chi^2/\text{NDF}: 325.0/14$

+ sign 7.591 ± 0.164 $\chi^2/\text{NDF}: 899.6/30$

All: 7.495 ± 0.117 $\chi^2/\text{NDF}: 2120.5/63$

- sign 7.398 ± 0.166 $\chi^2/\text{NDF}: 1220.2/32$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 χ^2/NDF : 26054.0/15

Left Out: -21.252 ± 0.010 χ^2/NDF : 128818.4/14

Right Out: -20.931 ± 0.016 χ^2/NDF : 94008.3/17

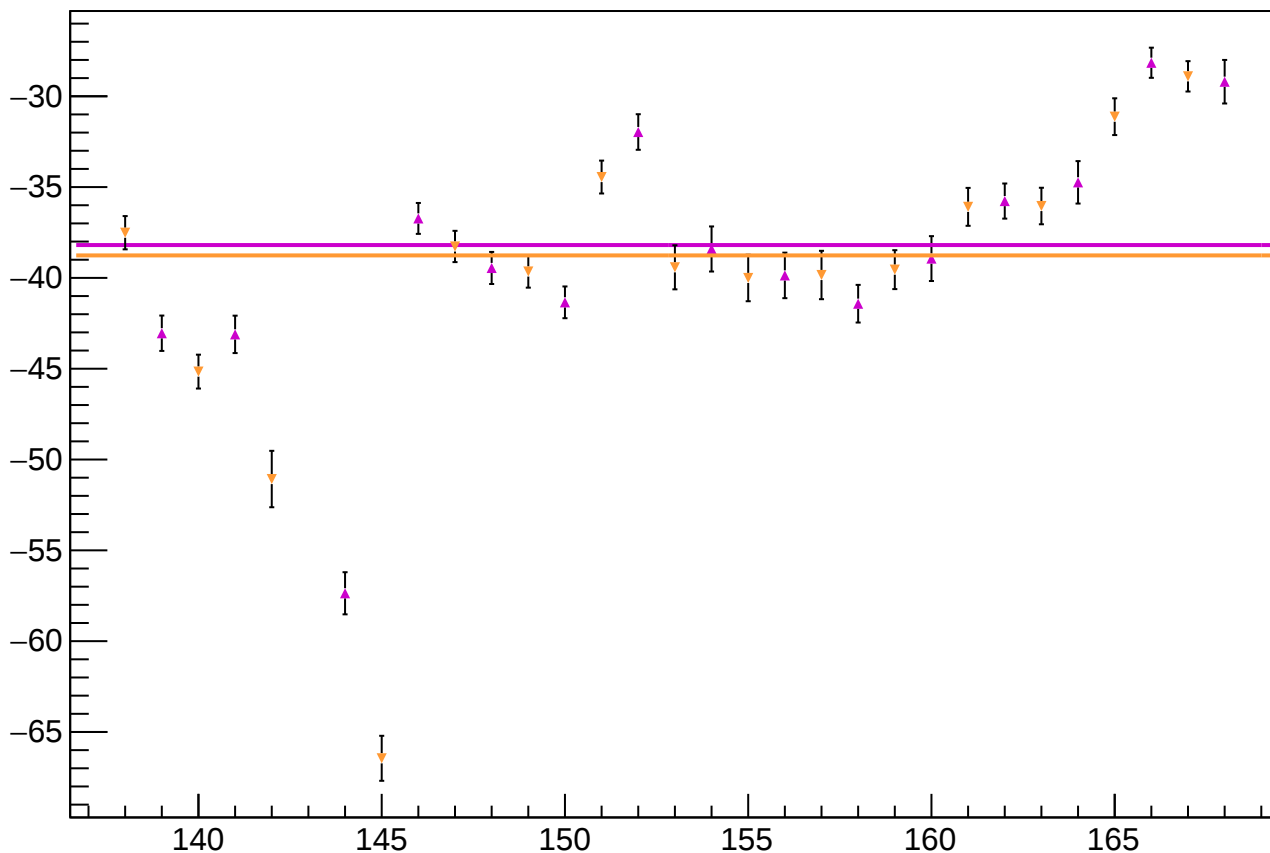
Left In: -21.092 ± 0.010 χ^2/NDF : 103912.0/14

+ sign -20.842 ± 0.009 χ^2/NDF : 160053.6/30

All: -20.944 ± 0.006 χ^2/NDF : 358325.3/63

- sign -21.044 ± 0.009 χ^2/NDF : 197994.2/32

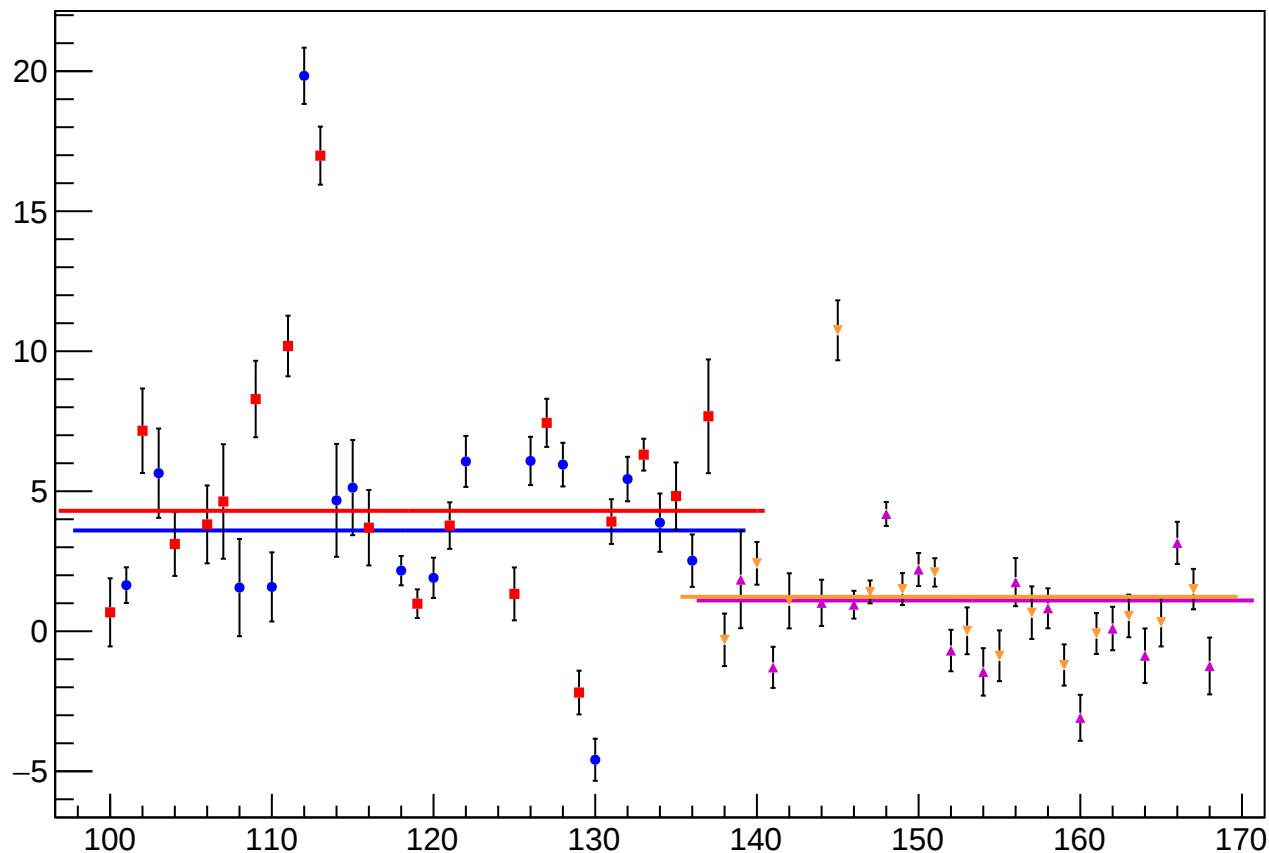
reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -38.762+/-0.265 χ^2/NDF : 847.7/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -38.192+/-0.262 χ^2/NDF : 608.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -38.474+/-0.186 χ^2/NDF : 1458.7/29
 - 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 $\chi^2/\text{NDF}: 440.3/15$

Left Out: 1.230 ± 0.182 $\chi^2/\text{NDF}: 111.6/14$

Right Out: 4.301 ± 0.221 $\chi^2/\text{NDF}: 352.1/17$

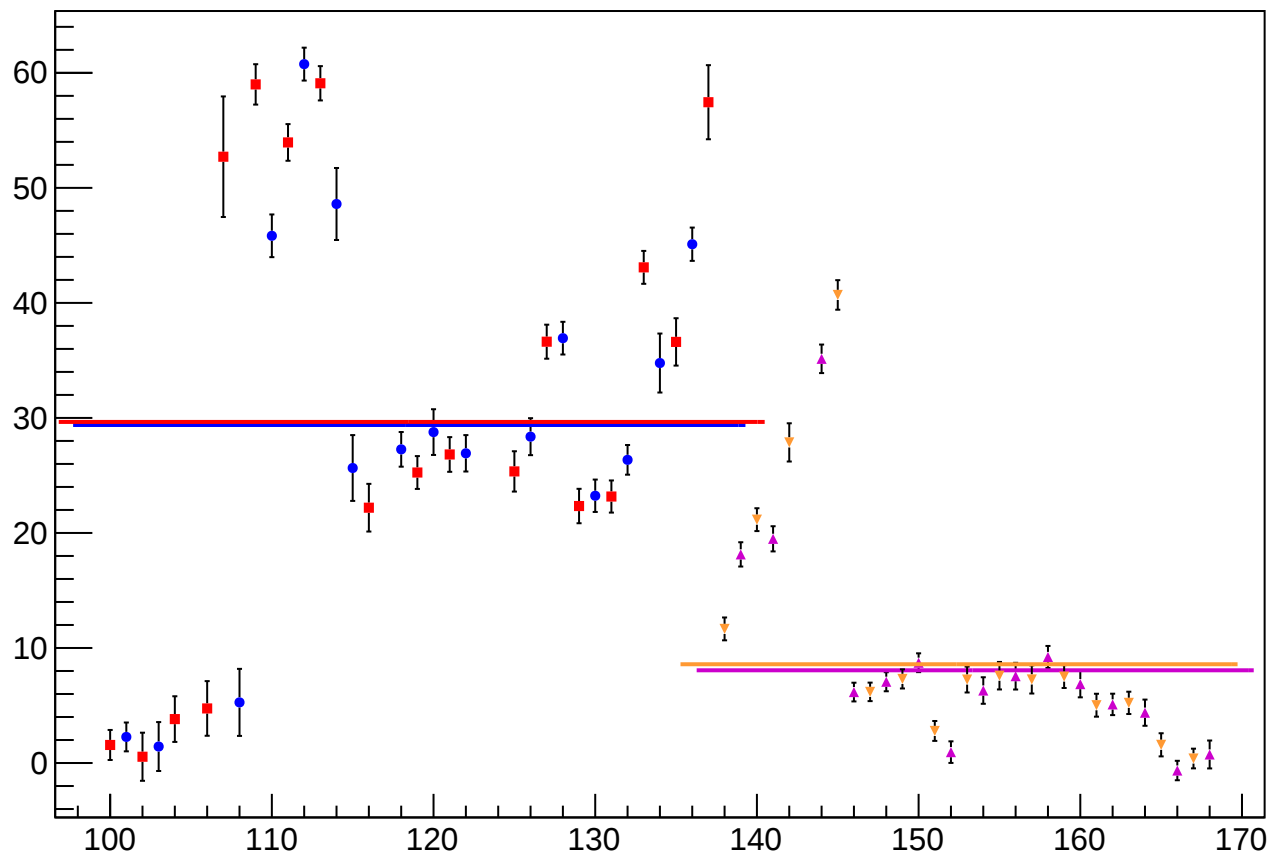
Left In: 1.099 ± 0.184 $\chi^2/\text{NDF}: 126.4/14$

+ sign 2.191 ± 0.140 $\chi^2/\text{NDF}: 620.7/30$

All: 2.300 ± 0.100 $\chi^2/\text{NDF}: 1224.4/63$

- sign 2.411 ± 0.141 $\chi^2/\text{NDF}: 602.5/32$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 ± 0.419 χ^2/NDF : 1488.6/15

Left Out: 8.585 ± 0.259 χ^2/NDF : 1153.9/14

Right Out: 29.652 ± 0.402 χ^2/NDF : 2131.0/17

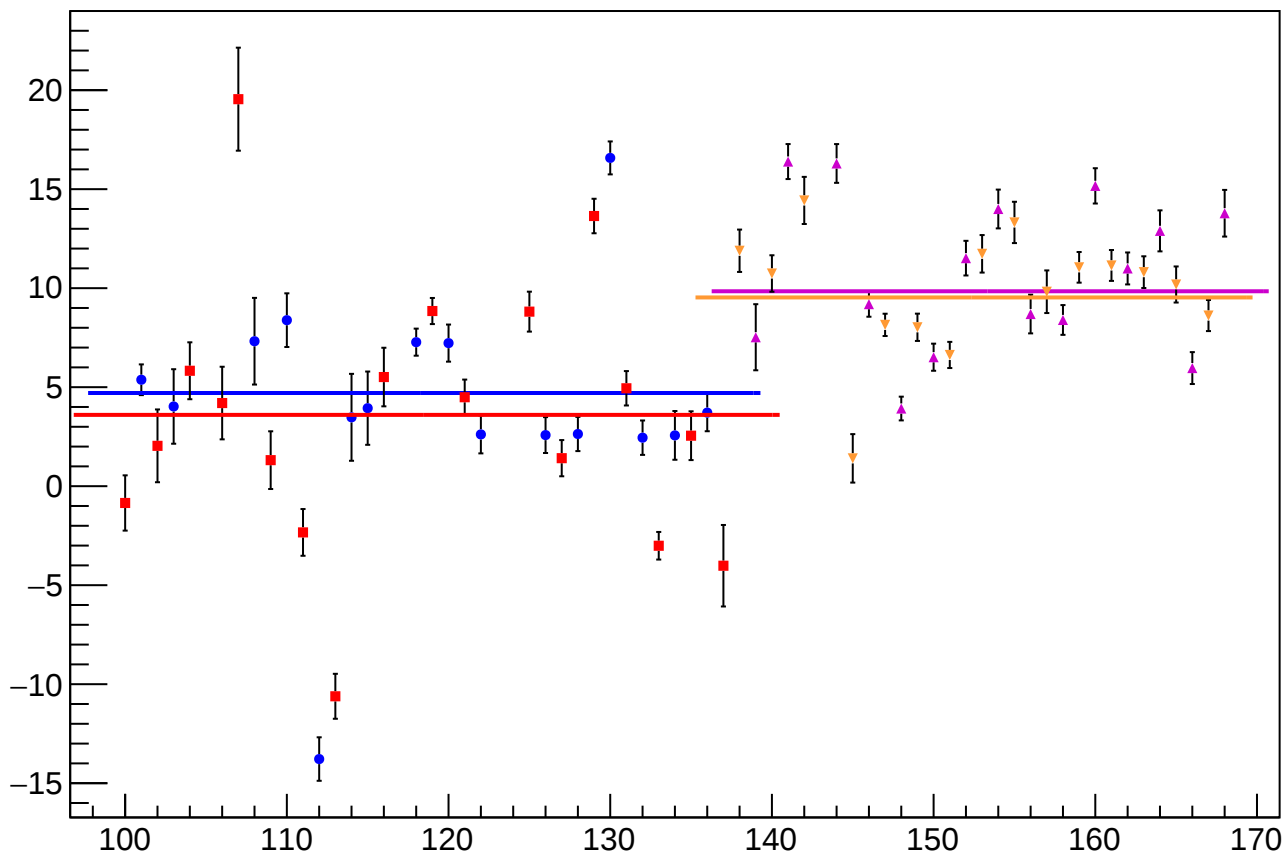
Left In: 8.060 ± 0.255 χ^2/NDF : 910.1/14

+ sign 14.328 ± 0.220 χ^2/NDF : 4424.7/30

All: 14.294 ± 0.154 χ^2/NDF : 9518.6/63

- sign 14.262 ± 0.216 χ^2/NDF : 5093.9/32

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 9.532 ± 0.215 χ^2/NDF : 129.0/14

Right Out: 3.601 ± 0.254 χ^2/NDF : 573.4/17

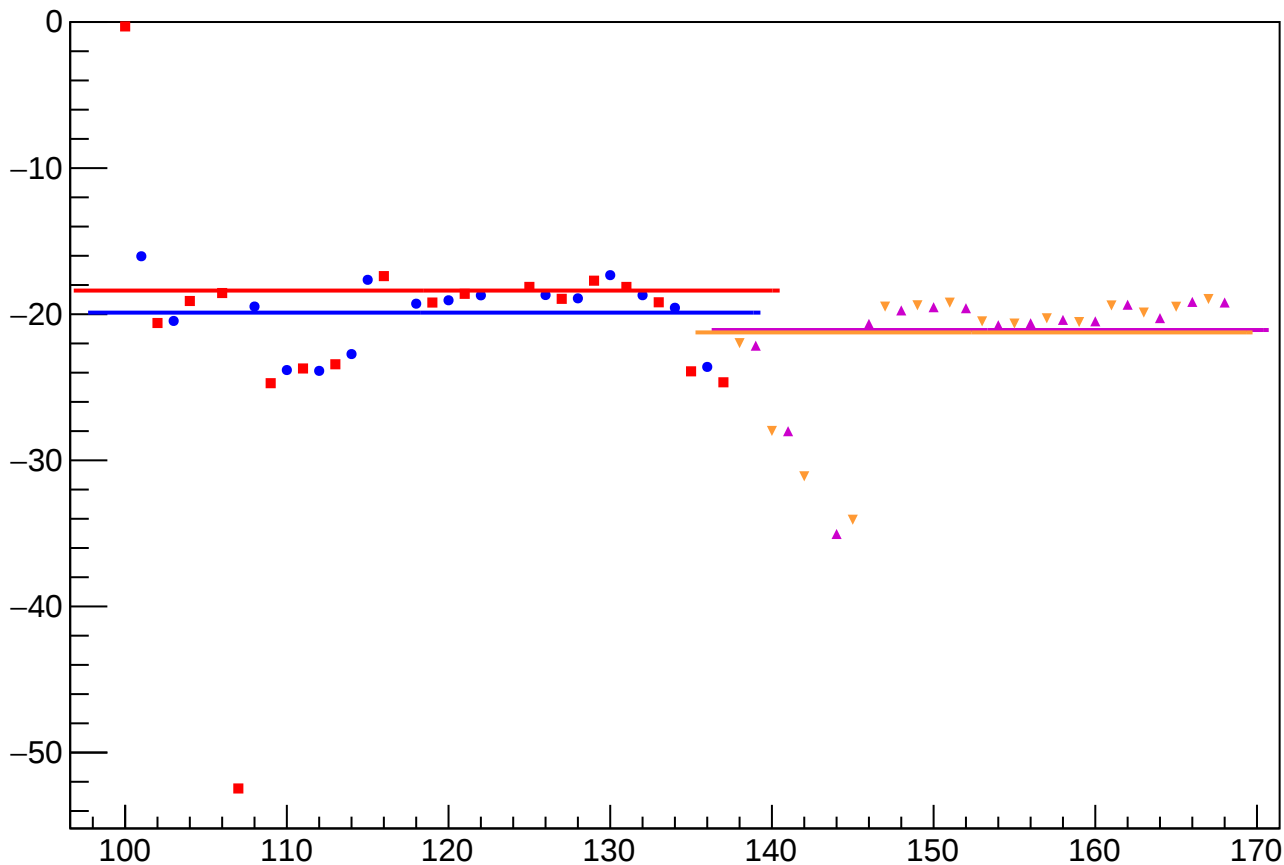
Left In: 9.844 ± 0.217 χ^2/NDF : 330.2/14

+ sign 7.513 ± 0.164 χ^2/NDF : 884.4/30

All: 7.362 ± 0.116 χ^2/NDF : 2138.8/63

- sign 7.210 ± 0.165 χ^2/NDF : 1252.7/32

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -21.245 ± 0.010 $\chi^2/\text{NDF}: 128891.2/14$

Right Out: -18.380 ± 0.015 $\chi^2/\text{NDF}: 300999.4/17$

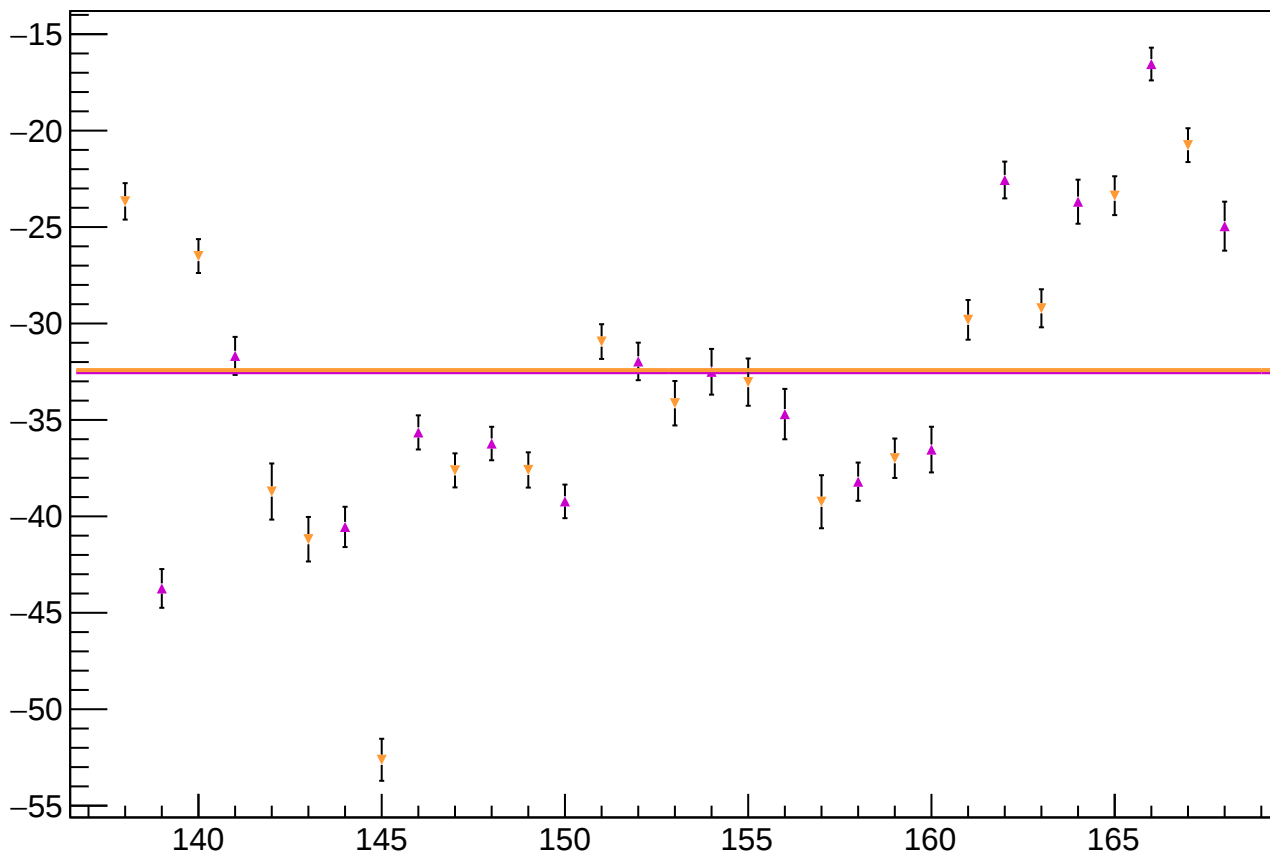
Left In: -21.080 ± 0.010 $\chi^2/\text{NDF}: 103911.4/14$

+ sign -20.833 ± 0.009 $\chi^2/\text{NDF}: 160156.0/30$

All: -20.512 ± 0.006 $\chi^2/\text{NDF}: 590473.8/63$

- sign -20.210 ± 0.008 $\chi^2/\text{NDF}: 427633.9/32$

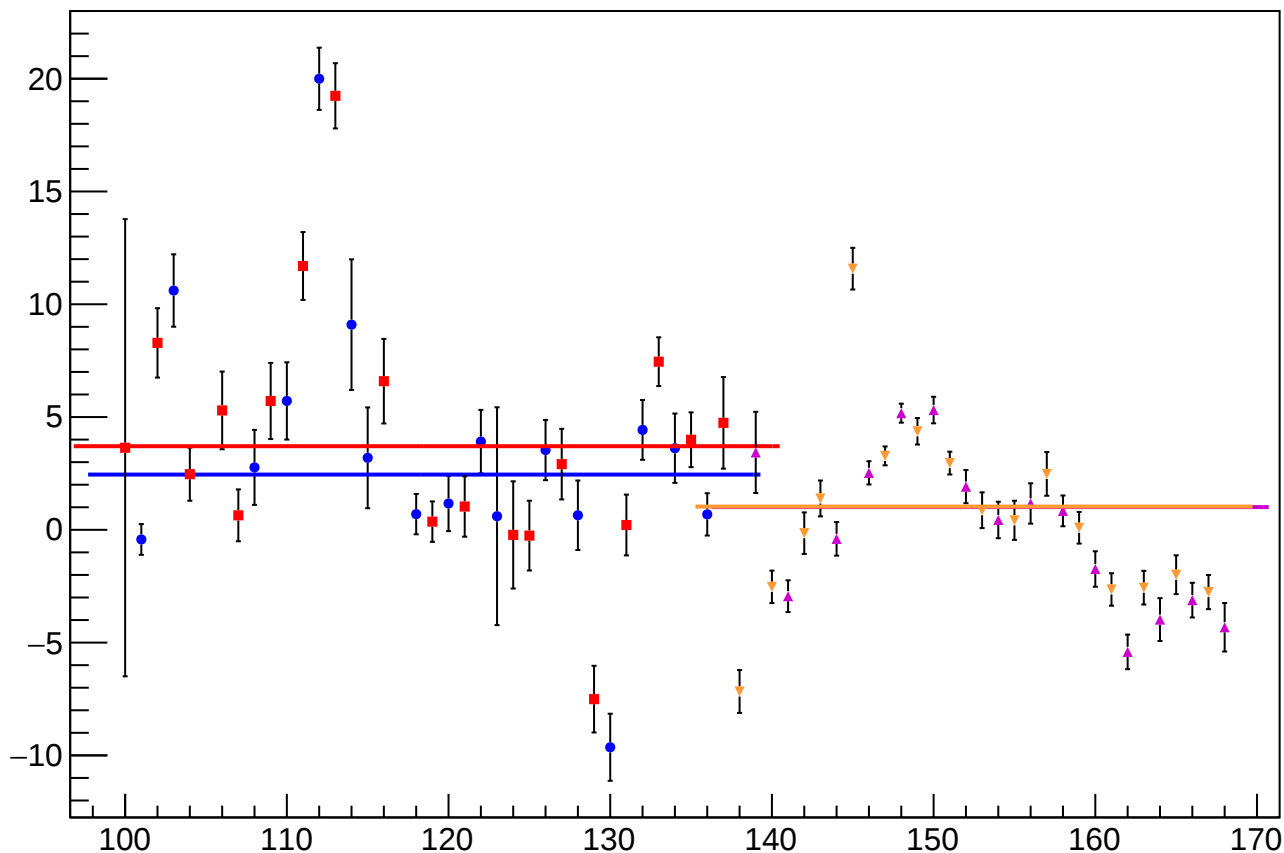
reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -32.417+/-0.255 χ^2/NDF : 942.7/15
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -32.526+/-0.260 χ^2/NDF : 880.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
All: -32.470+/-0.182 χ^2/NDF : 1823.3/30
- 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 $\chi^2/\text{NDF}: 295.3/16$

Left Out: 1.031 ± 0.176 $\chi^2/\text{NDF}: 397.8/15$

Right Out: 3.707 ± 0.326 $\chi^2/\text{NDF}: 269.4/18$

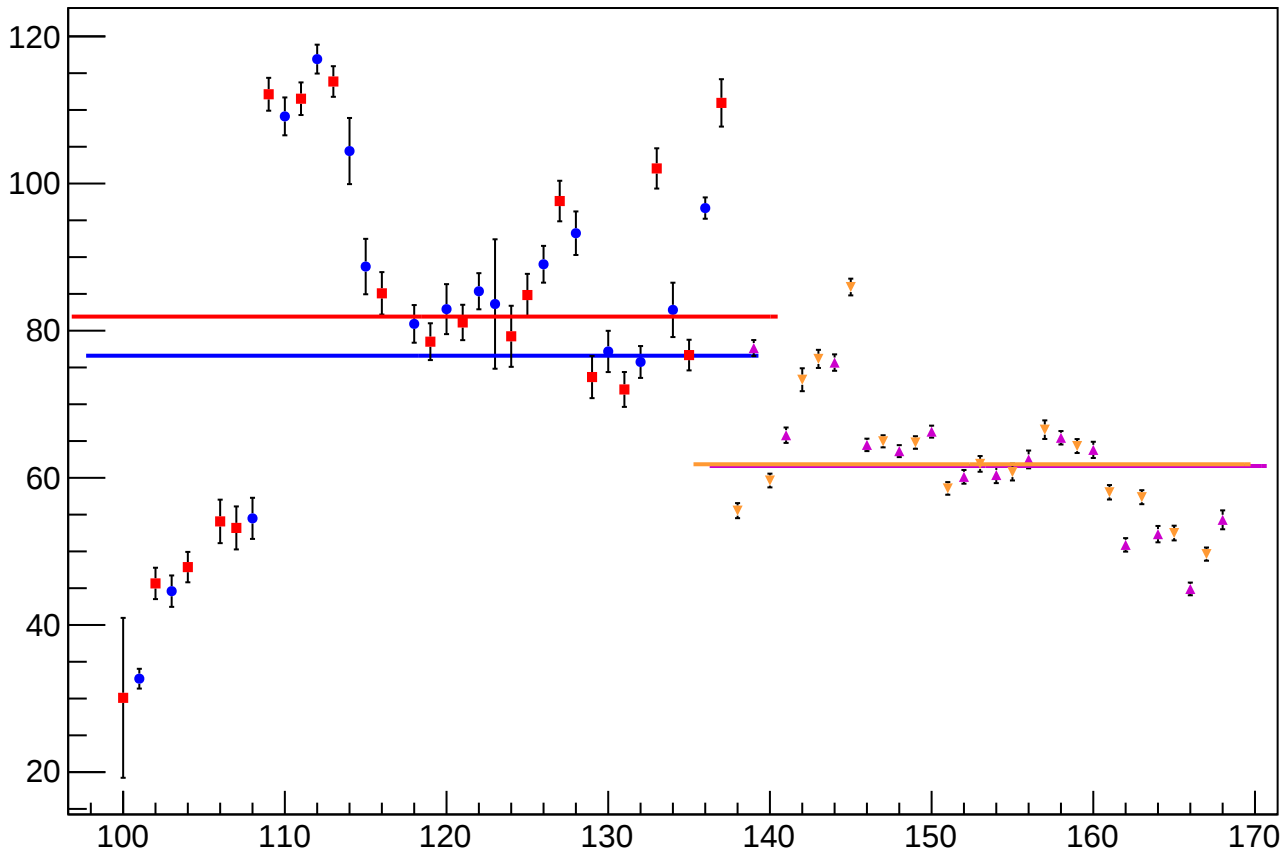
Left In: 1.008 ± 0.182 $\chi^2/\text{NDF}: 362.3/14$

+ sign 1.369 ± 0.153 $\chi^2/\text{NDF}: 708.6/32$

All: 1.504 ± 0.110 $\chi^2/\text{NDF}: 1394.1/66$

- sign 1.648 ± 0.159 $\chi^2/\text{NDF}: 683.8/33$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 61.844 $\pm$ 0.251 χ^2 /NDF:1053.5/15

Right Out: 81.916 $\pm$ 0.592 χ^2 /NDF: 1570.7/18

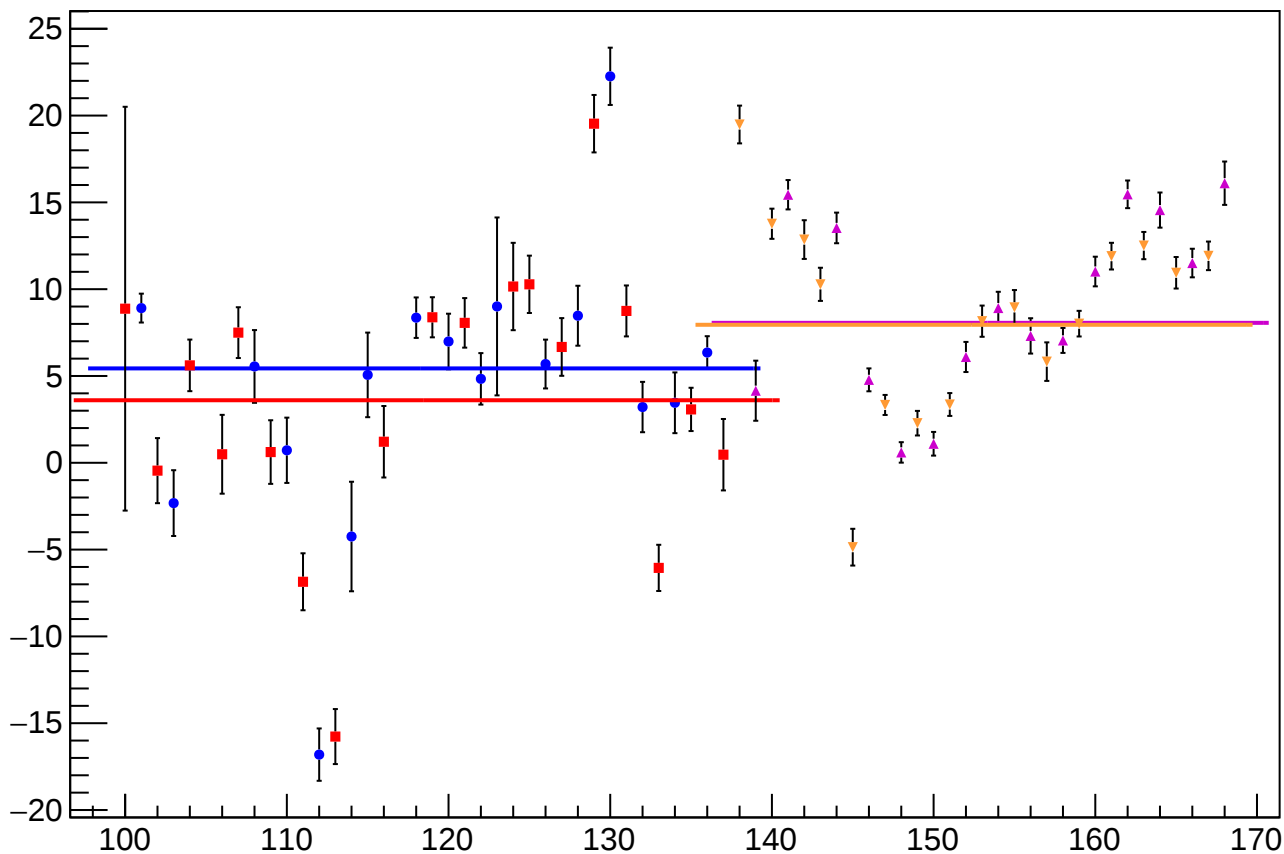
Left In: 61.607 $\pm$ 0.253 χ^2 /NDF:1079.5/14

+ sign 64.196 $\pm$ 0.230 χ^2 /NDF: 3860.0/32

All: 64.469 $\pm$ 0.164 χ^2 /NDF: 7507.7/66

- sign 64.749 $\pm$ 0.233 χ^2 /NDF: 3644.8/33

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 χ^2/NDF : 387.2/16

Left Out: 7.949 ± 0.208 χ^2/NDF : 605.0/15

Right Out: 3.602 ± 0.375 χ^2/NDF : 423.3/18

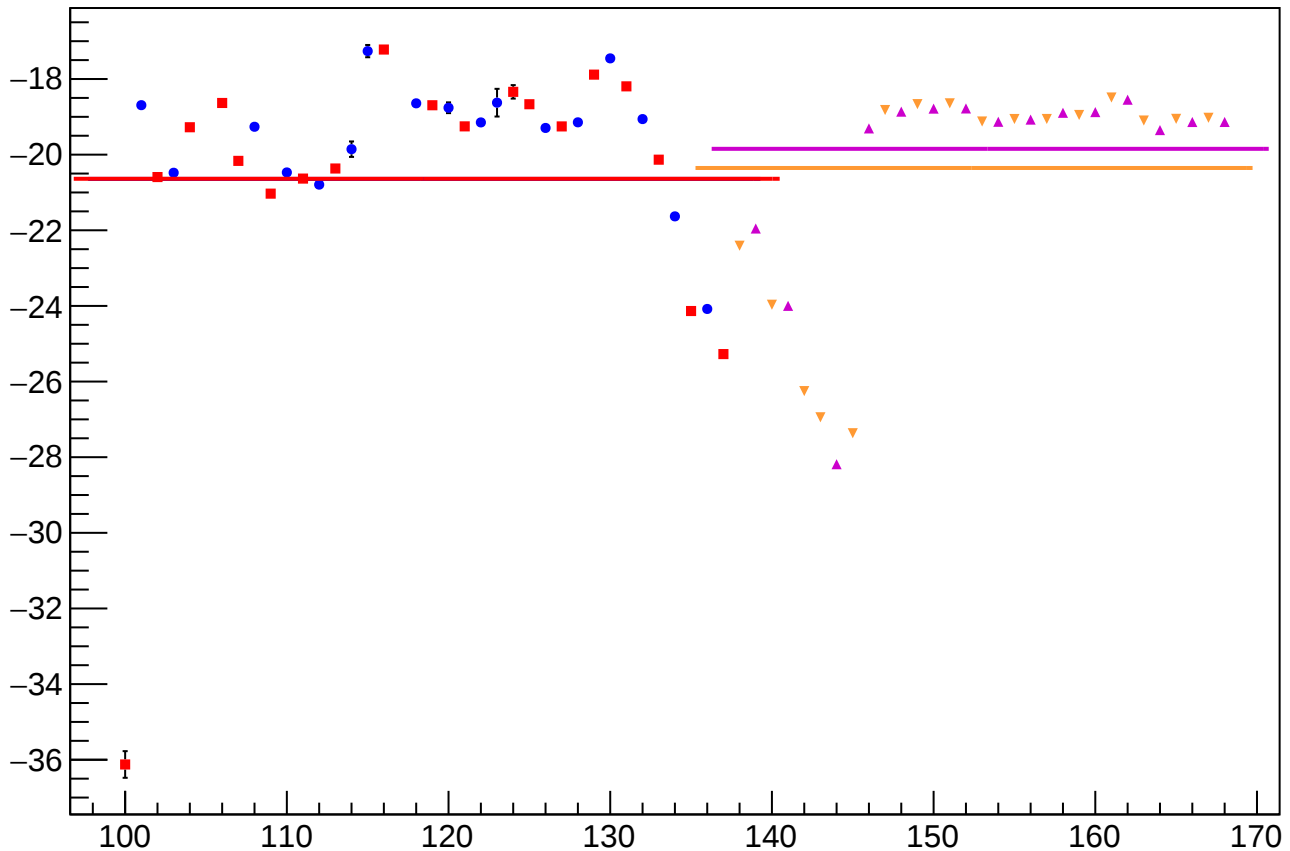
Left In: 8.061 ± 0.214 χ^2/NDF : 616.2/14

+ sign 7.322 ± 0.180 χ^2/NDF : 1028.7/32

All: 7.149 ± 0.129 χ^2/NDF : 2176.7/66

- sign 6.963 ± 0.186 χ^2/NDF : 1146.0/33

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -20.353 ± 0.010 χ^2/NDF : 77910.6/15

Right Out: -20.638 ± 0.019 χ^2/NDF : 13783.4/18

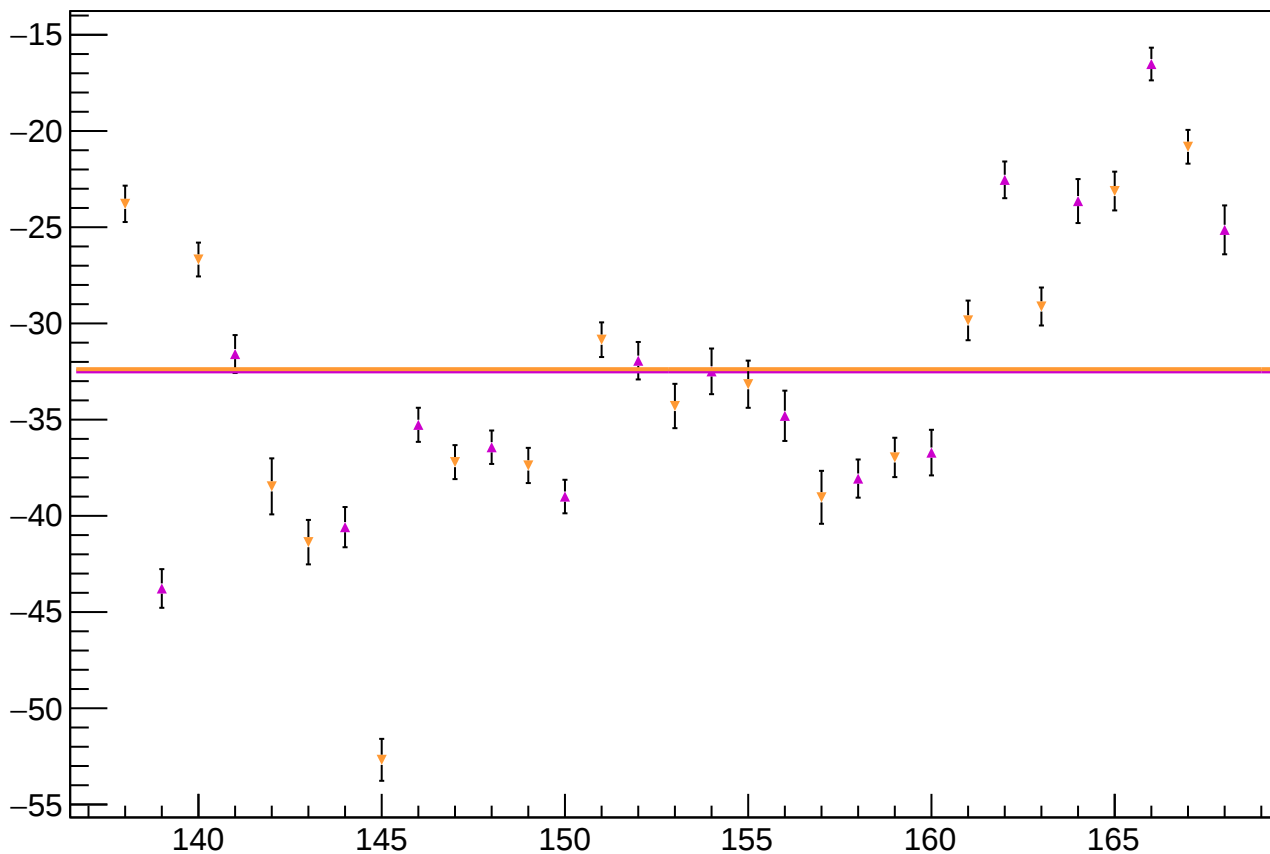
Left In: -19.846 ± 0.010 χ^2/NDF : 48573.4/14

+ sign -20.414 ± 0.009 χ^2/NDF : 90518.8/32

All: -20.215 ± 0.006 χ^2/NDF : 155187.1/66

- sign -20.014 ± 0.009 χ^2/NDF : 63663.2/33

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.377+/-0.255 χ^2/NDF : 934.1/15

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

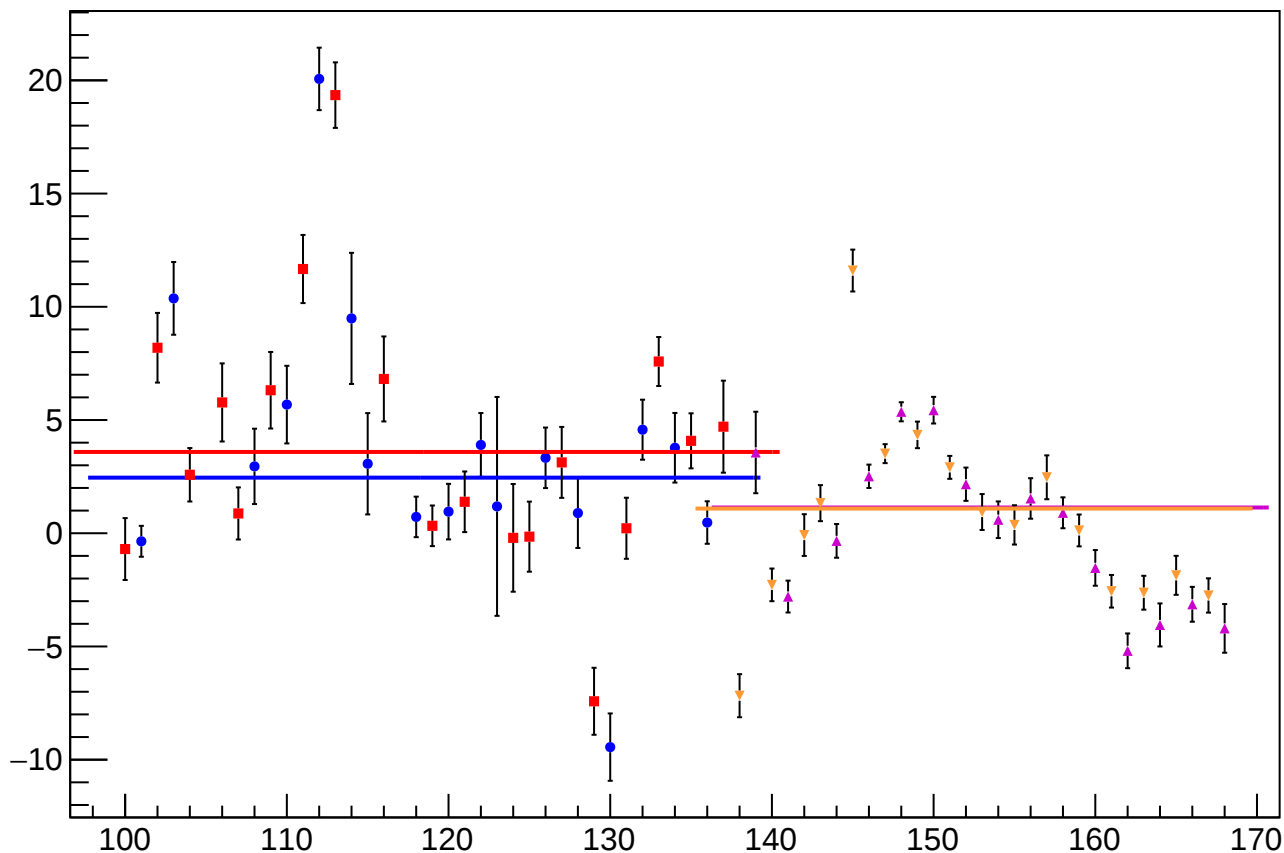
Left In: -32.493+/-0.260 χ^2/NDF : 876.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.434+/-0.182 χ^2/NDF : 1810.7/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 1.090 ± 0.176 χ^2/NDF : 398.0/15

Right Out: 3.590 ± 0.318 χ^2/NDF : 279.8/18

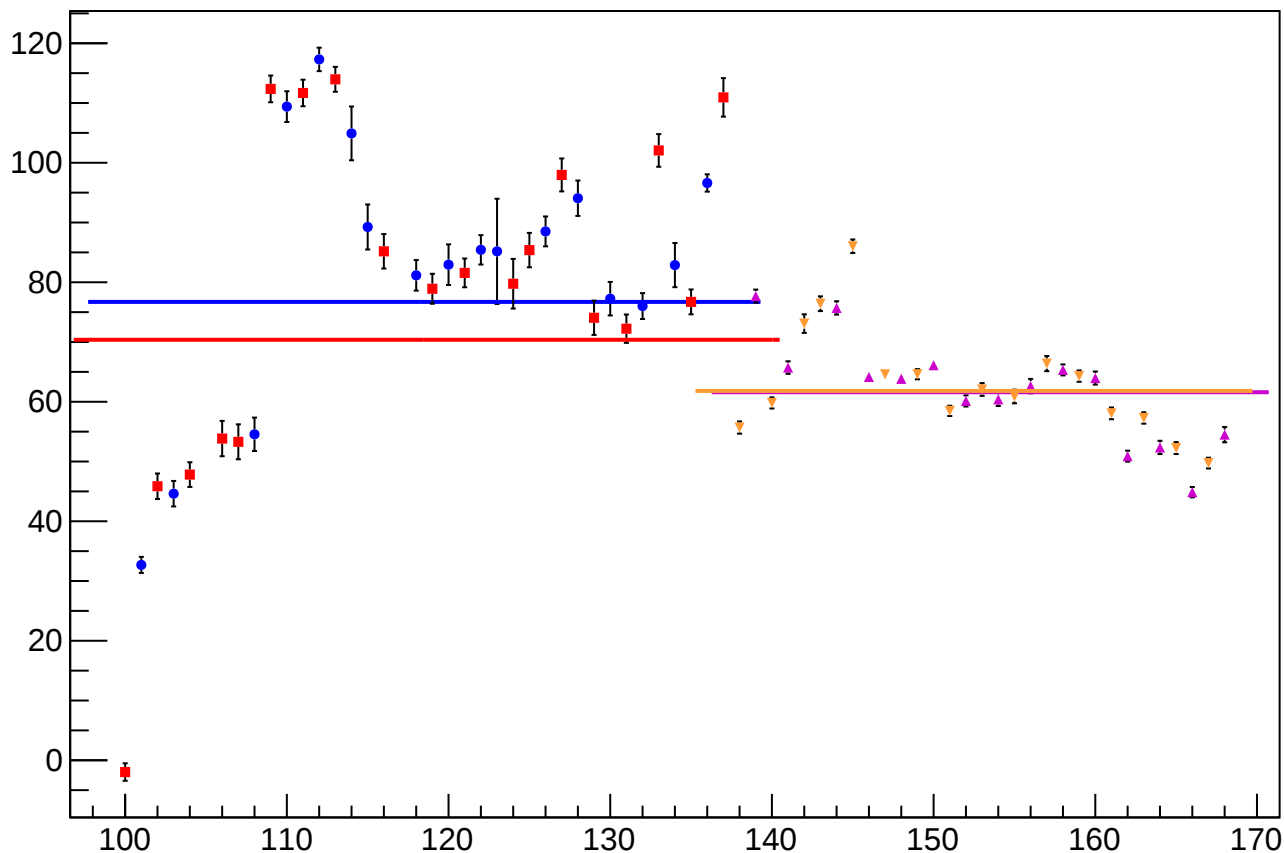
Left In: 1.136 ± 0.182 χ^2/NDF : 365.7/14

+ sign 1.415 ± 0.154 χ^2/NDF : 705.8/32

All: 1.574 ± 0.110 χ^2/NDF : 1398.4/66

- sign 1.743 ± 0.158 χ^2/NDF : 690.4/33

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 61.812 $\pm$ 0.251 χ^2 /NDF:1052.4/15

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

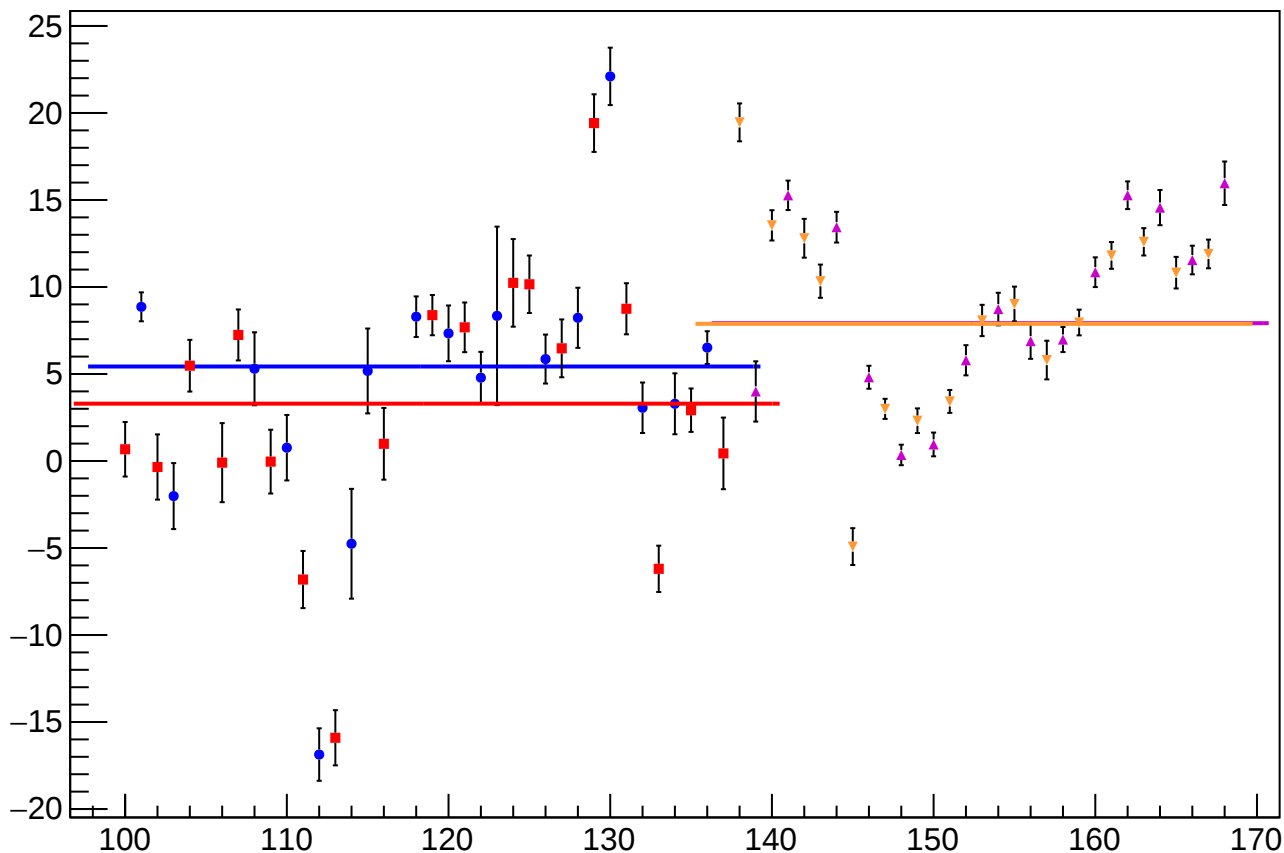
Left In: 61.597 $\pm$ 0.253 χ^2 /NDF:1075.0/14

+ sign 64.187 $\pm$ 0.230 χ^2 /NDF: 3880.9/32

All: 63.661 $\pm$ 0.163 χ^2 /NDF: 9567.3/66

- sign 63.135 $\pm$ 0.230 χ^2 /NDF: 5675.9/33

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 7.884 ± 0.208 $\chi^2/\text{NDF}: 608.1/15$

Right Out: 3.295 ± 0.365 $\chi^2/\text{NDF}: 426.1/18$

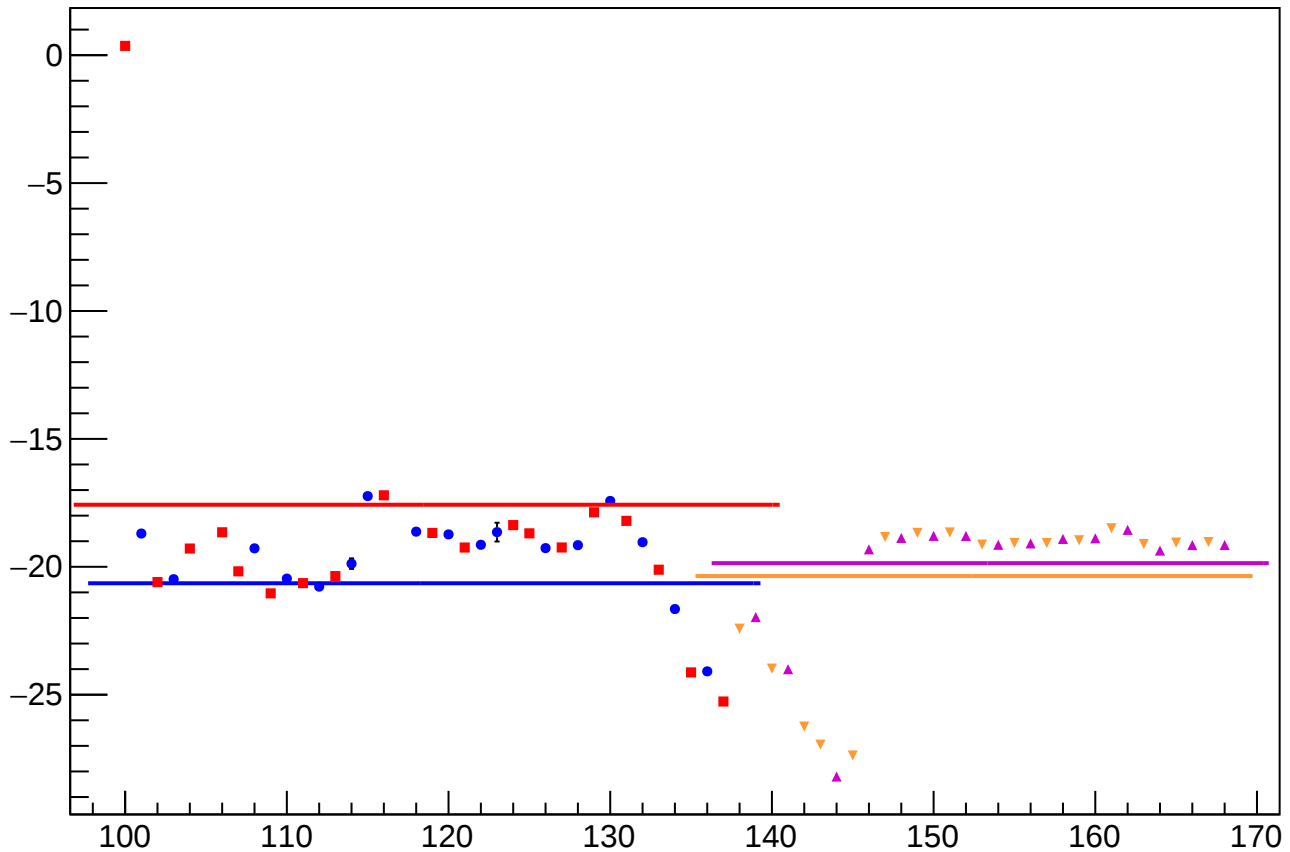
Left In: 7.920 ± 0.215 $\chi^2/\text{NDF}: 621.2/14$

+ sign 7.272 ± 0.180 $\chi^2/\text{NDF}: 1028.7/32$

All: 7.010 ± 0.129 $\chi^2/\text{NDF}: 2199.6/66$

- sign 6.733 ± 0.185 $\chi^2/\text{NDF}: 1166.6/33$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -20.362 ± 0.010 $\chi^2/\text{NDF}: 77772.0/15$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178327.0/18$

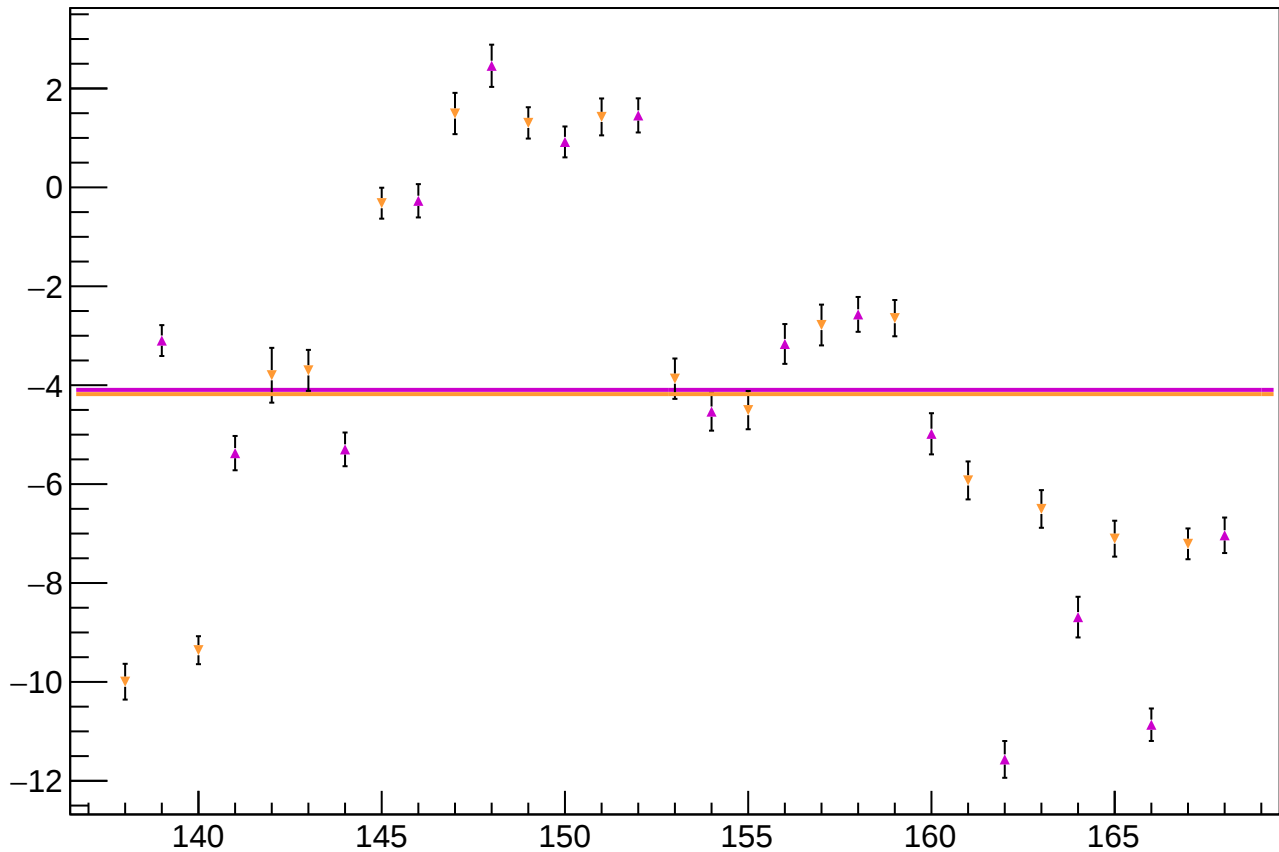
Left In: -19.857 ± 0.010 $\chi^2/\text{NDF}: 48498.1/14$

+ sign -20.421 ± 0.009 $\chi^2/\text{NDF}: 90407.5/32$

All: -19.862 ± 0.006 $\chi^2/\text{NDF}: 337288.4/66$

- sign -19.313 ± 0.009 $\chi^2/\text{NDF}: 239032.4/33$

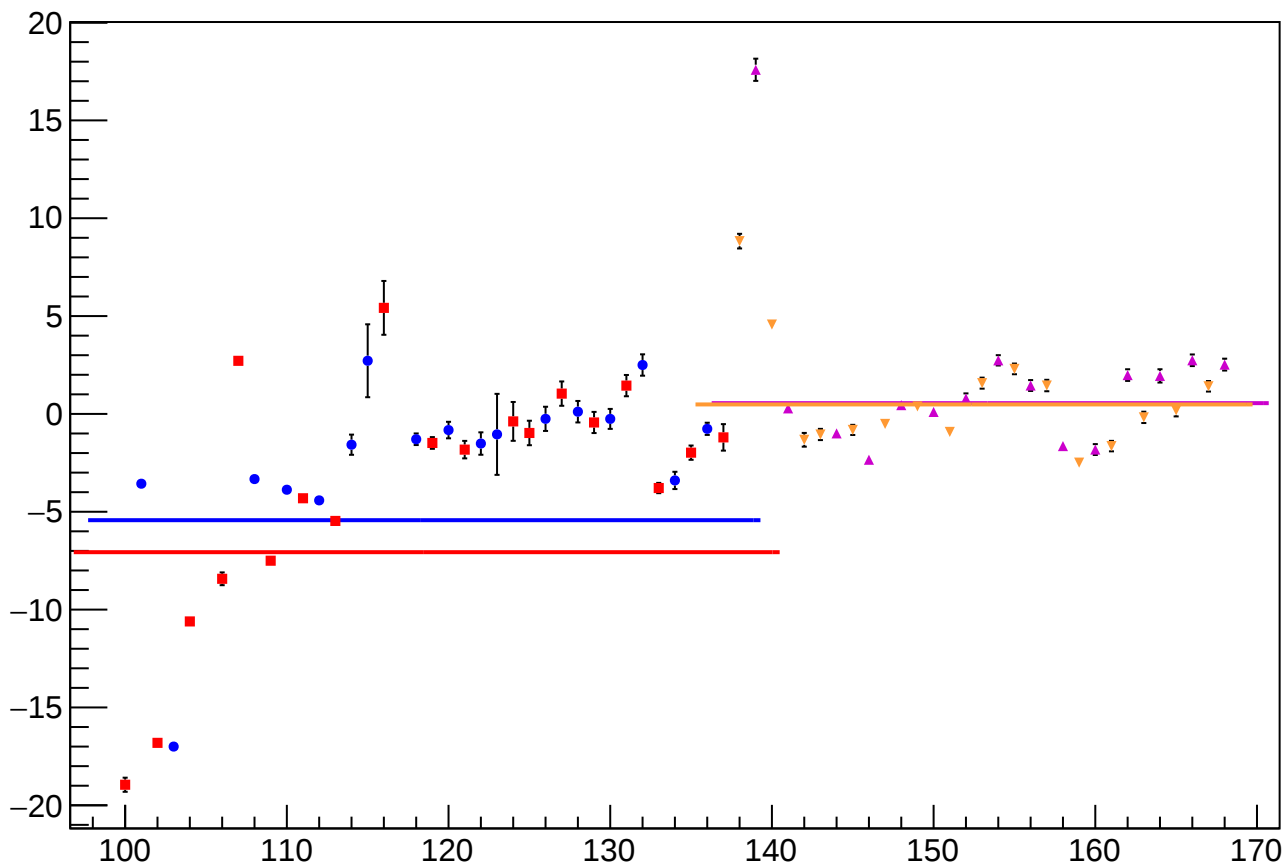
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -4.180+/-0.091 χ^2/NDF :1704.9/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.094+/-0.092 χ^2/NDF :1967.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -4.138+/-0.065 χ^2/NDF : 3672.7/30
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 ± 0.055 $\chi^2/\text{NDF}: 9233.8/16$

Left Out: 0.485 ± 0.066 $\chi^2/\text{NDF}: 1233.2/15$

Right Out: -7.066 ± 0.059 $\chi^2/\text{NDF}: 12306.6/18$

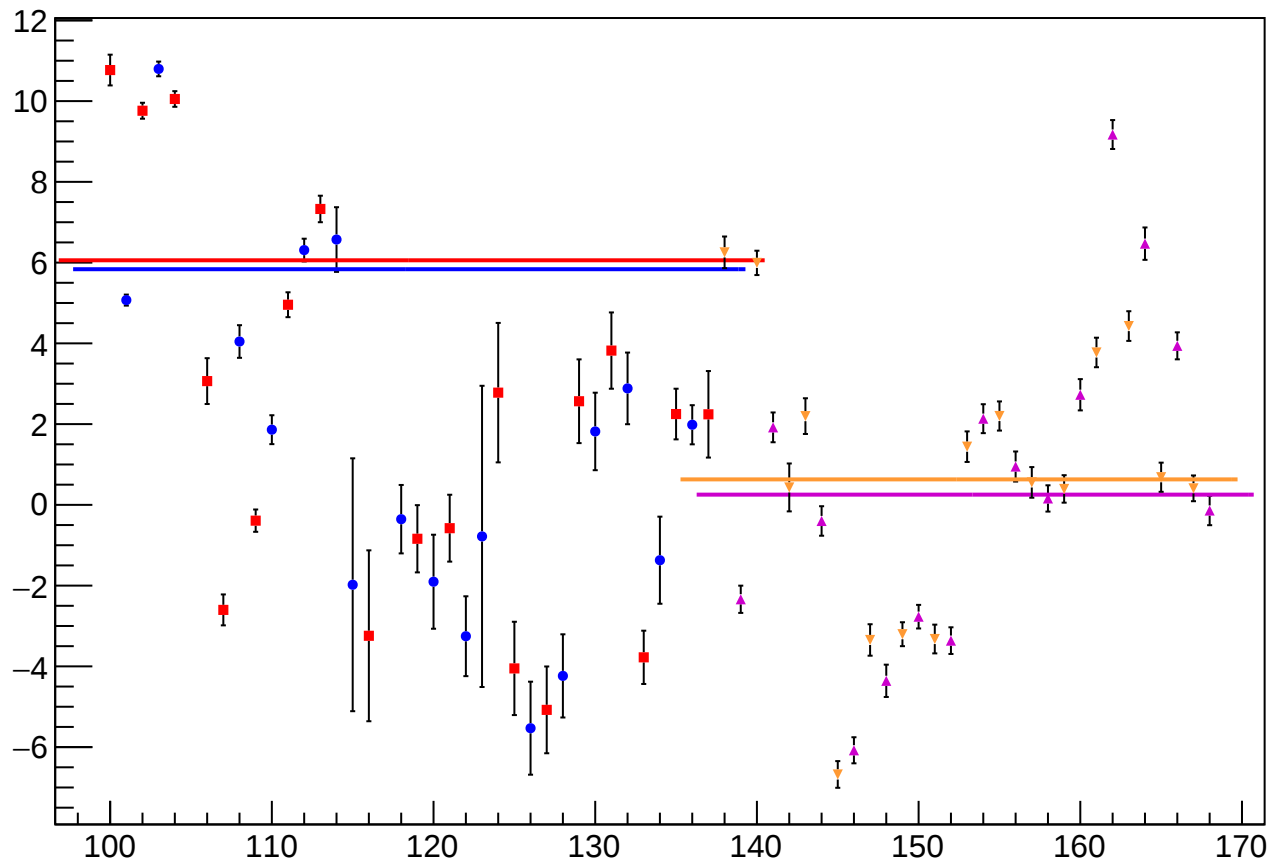
Left In: 0.550 ± 0.068 $\chi^2/\text{NDF}: 1502.2/14$

+ sign -2.995 ± 0.042 $\chi^2/\text{NDF}: 15253.2/32$

All: -3.369 ± 0.031 $\chi^2/\text{NDF}: 36393.1/66$

- sign -3.789 ± 0.045 $\chi^2/\text{NDF}: 20972.2/33$

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: 0.631 ± 0.090 $\chi^2/\text{NDF}: 1623.3/15$

Right Out: 6.057 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

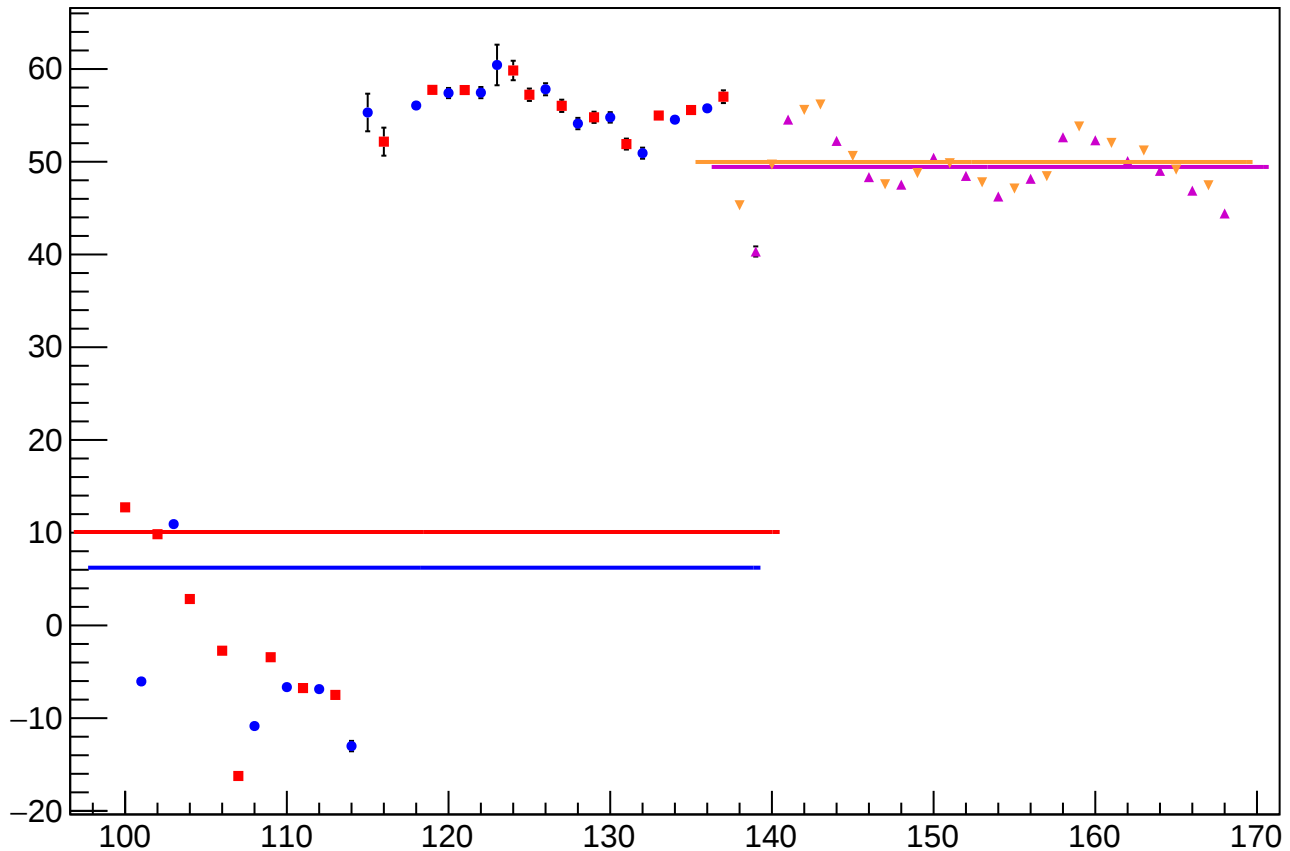
Left In: 0.253 ± 0.091 $\chi^2/\text{NDF}: 1882.0/14$

+ sign 3.247 ± 0.064 $\chi^2/\text{NDF}: 4740.7/32$

All: 3.160 ± 0.045 $\chi^2/\text{NDF}: 11287.8/66$

- sign 3.068 ± 0.065 $\chi^2/\text{NDF}: 6543.2/33$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 49.976 ± 0.076 χ^2/NDF : 1234.2/15

Right Out: 10.075 ± 0.070 χ^2/NDF : 122049.3/18

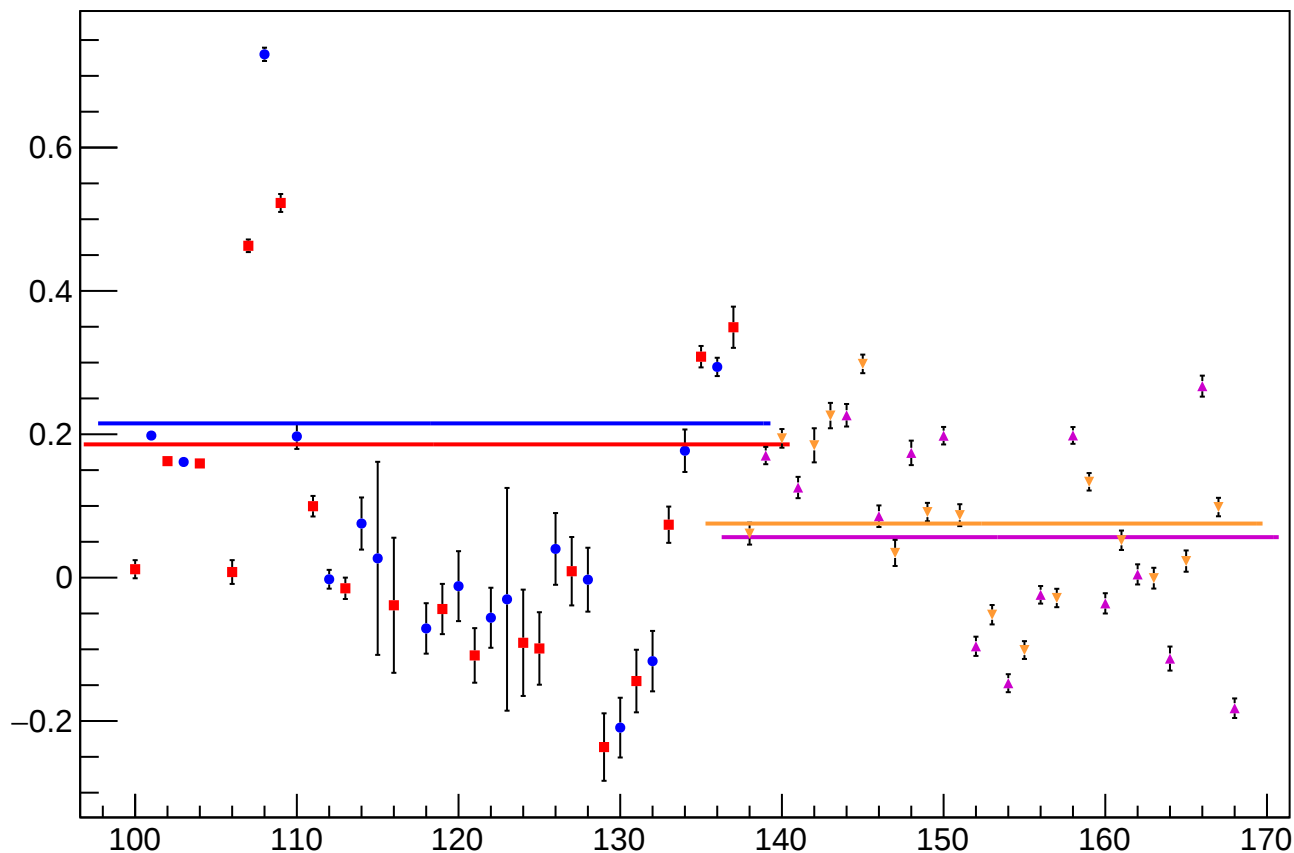
Left In: 49.439 ± 0.078 χ^2/NDF : 1397.4/14

+ sign 24.611 ± 0.049 χ^2/NDF : 313569.2/32

All: 25.964 ± 0.036 χ^2/NDF : 579401.9/66

- sign 27.470 ± 0.052 χ^2/NDF : 264246.2/33

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: 0.075 $\pm$ 0.004 χ^2 /NDF: 904.8/15

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

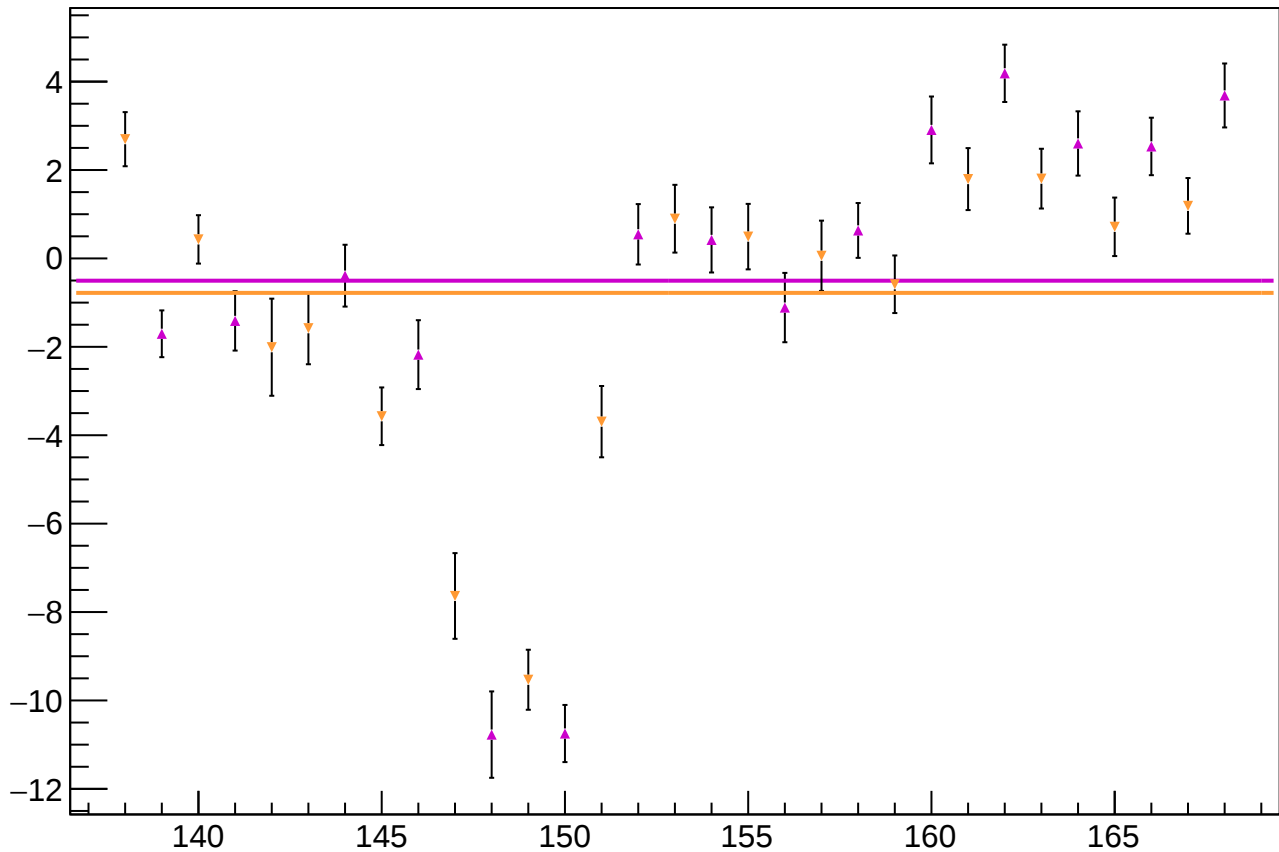
Left In: 0.056 $\pm$ 0.004 χ^2 /NDF: 1667.1/14

+ sign 0.162 $\pm$ 0.002 χ^2 /NDF: 5798.4/32

All: 0.150 $\pm$ 0.002 χ^2 /NDF: 11088.1/66

- sign 0.139 $\pm$ 0.002 χ^2 /NDF: 5231.2/33

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: -0.779 $\pm$ 0.177 χ^2 /NDF:338.8/15

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

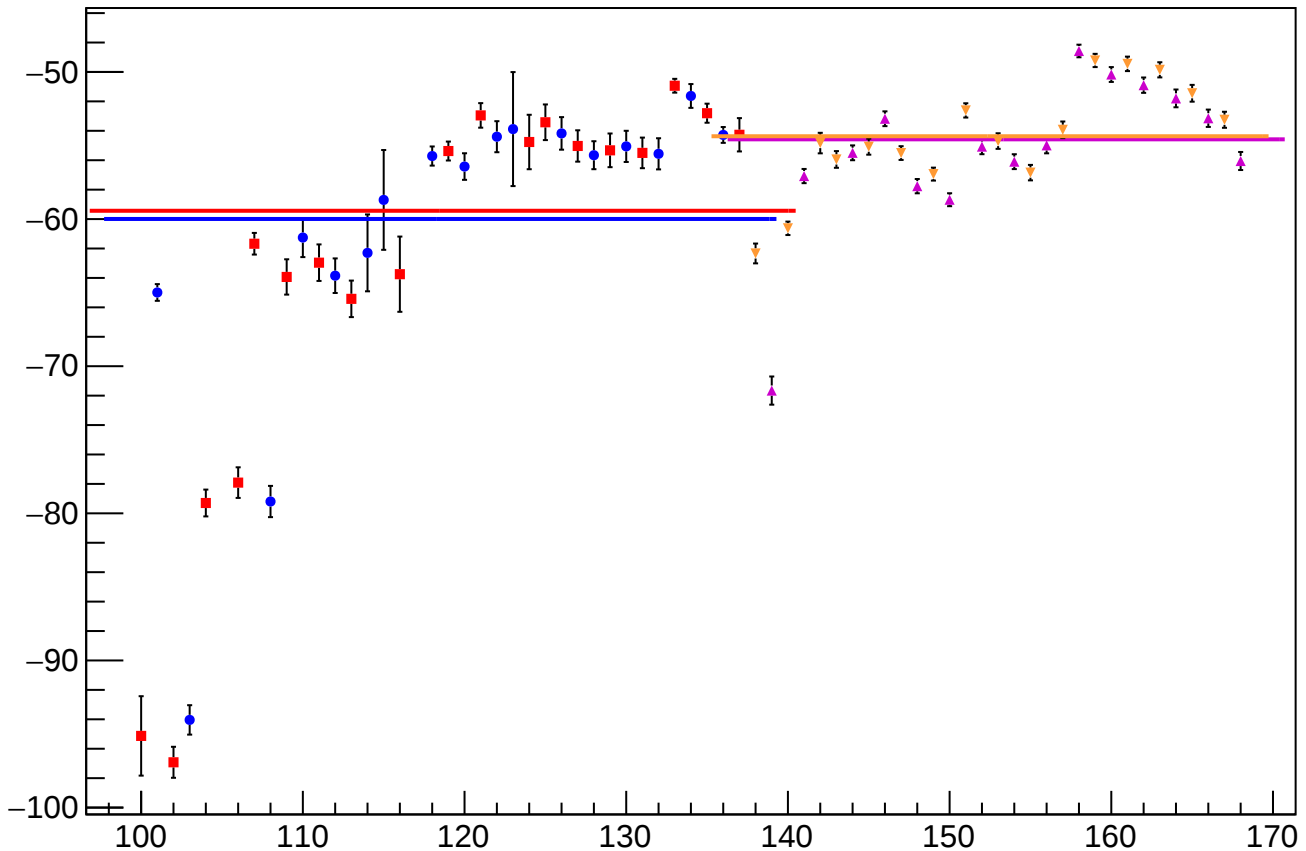
Left In: -0.504 $\pm$ 0.178 χ^2 /NDF:527.3/14

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

All: -0.643 $\pm$ 0.126 χ^2 /NDF: 867.4/30

- 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: -54.370 ± 0.130 $\chi^2/\text{NDF}: 751.8/15$

Right Out: -59.435 ± 0.212 $\chi^2/\text{NDF}: 2917.9/18$

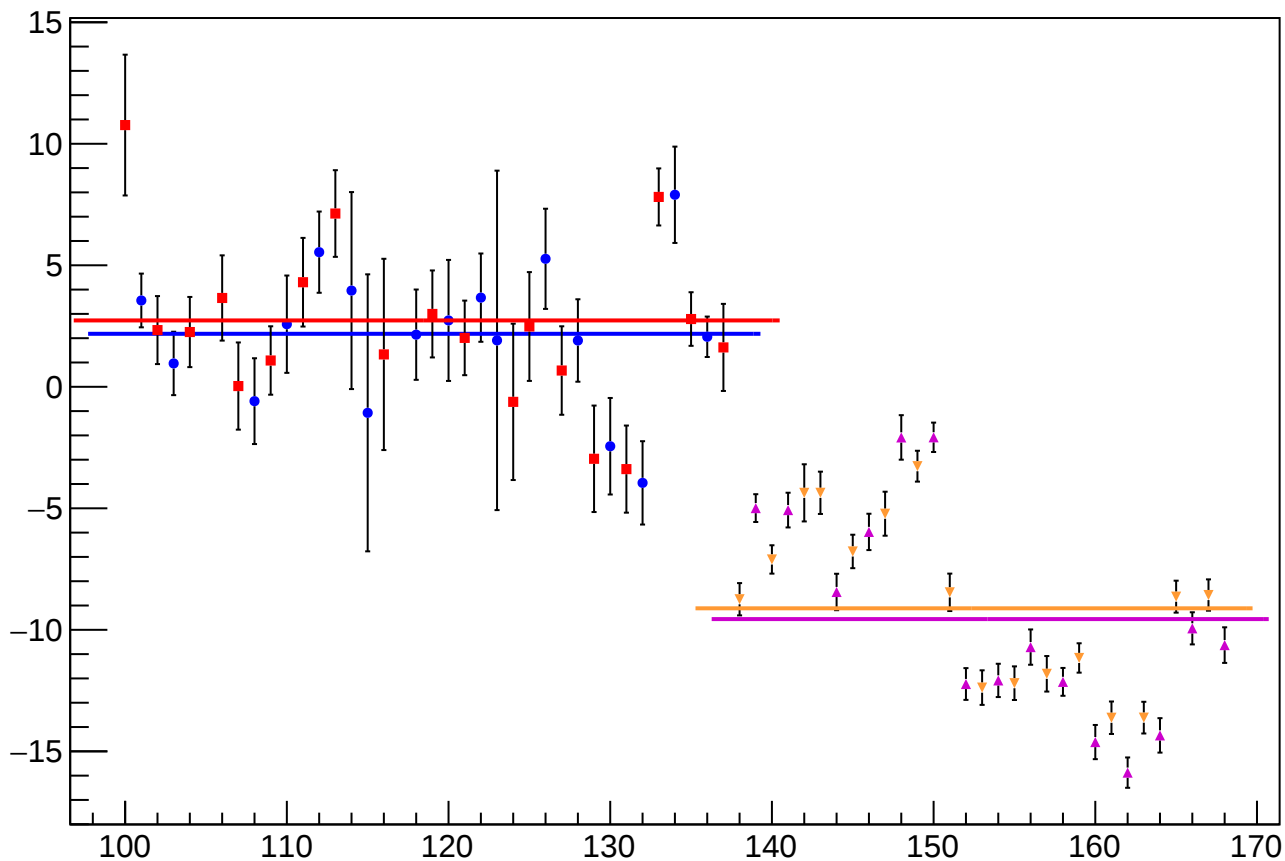
Left In: -54.580 ± 0.135 $\chi^2/\text{NDF}: 851.2/14$

+ sign -55.779 ± 0.113 $\chi^2/\text{NDF}: 3192.8/32$

All: -55.877 ± 0.080 $\chi^2/\text{NDF}: 7337.1/66$

- sign -55.978 ± 0.114 $\chi^2/\text{NDF}: 4142.8/33$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 χ^2/NDF : 39.0/16

Left Out: -9.115 ± 0.175 χ^2/NDF : 334.0/15

Right Out: 2.731 ± 0.388 χ^2/NDF : 58.9/18

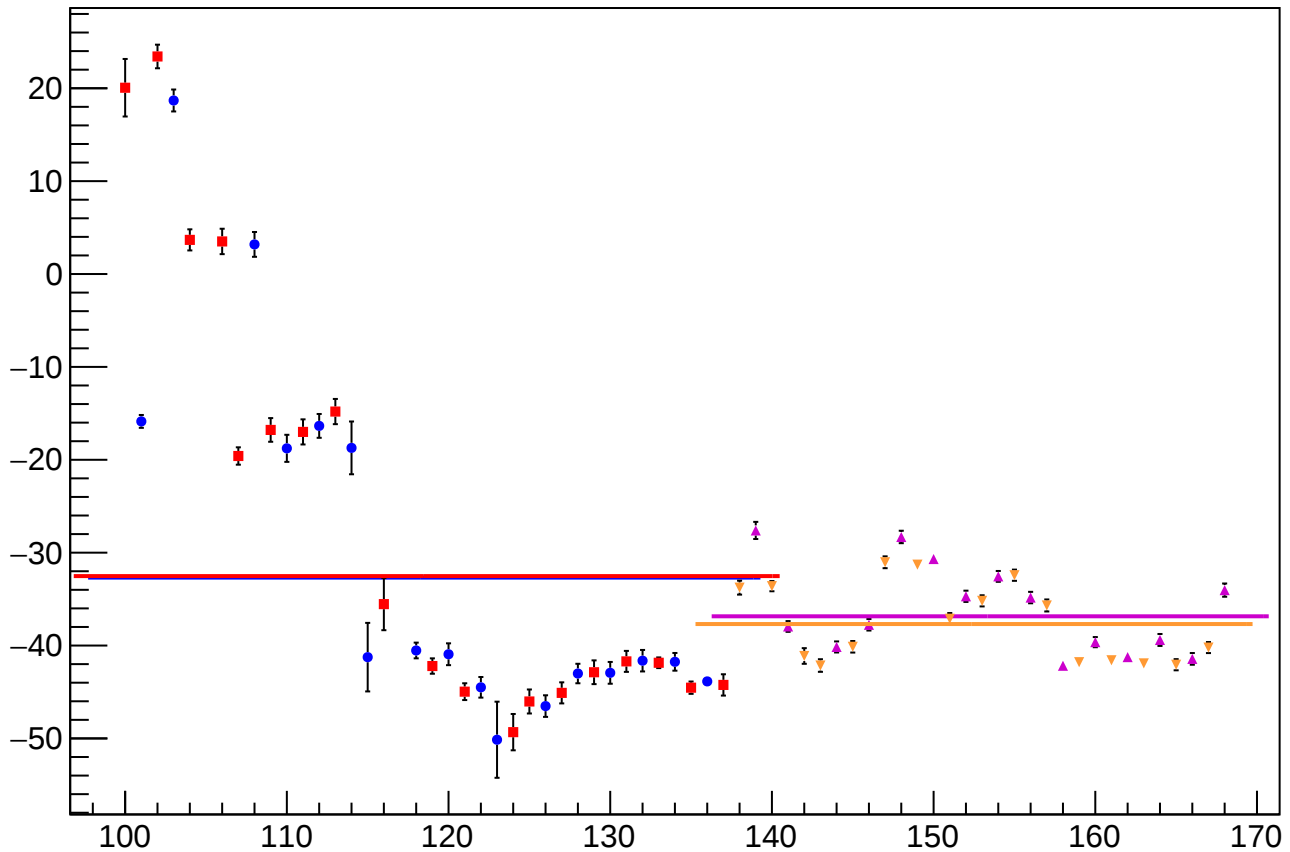
Left In: -9.558 ± 0.175 χ^2/NDF : 603.3/14

+ sign -7.346 ± 0.161 χ^2/NDF : 1027.1/32

All: -7.414 ± 0.113 χ^2/NDF : 2523.4/66

- sign -7.480 ± 0.160 χ^2/NDF : 1495.9/33

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -37.685 ± 0.149 $\chi^2/\text{NDF}: 779.3/15$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

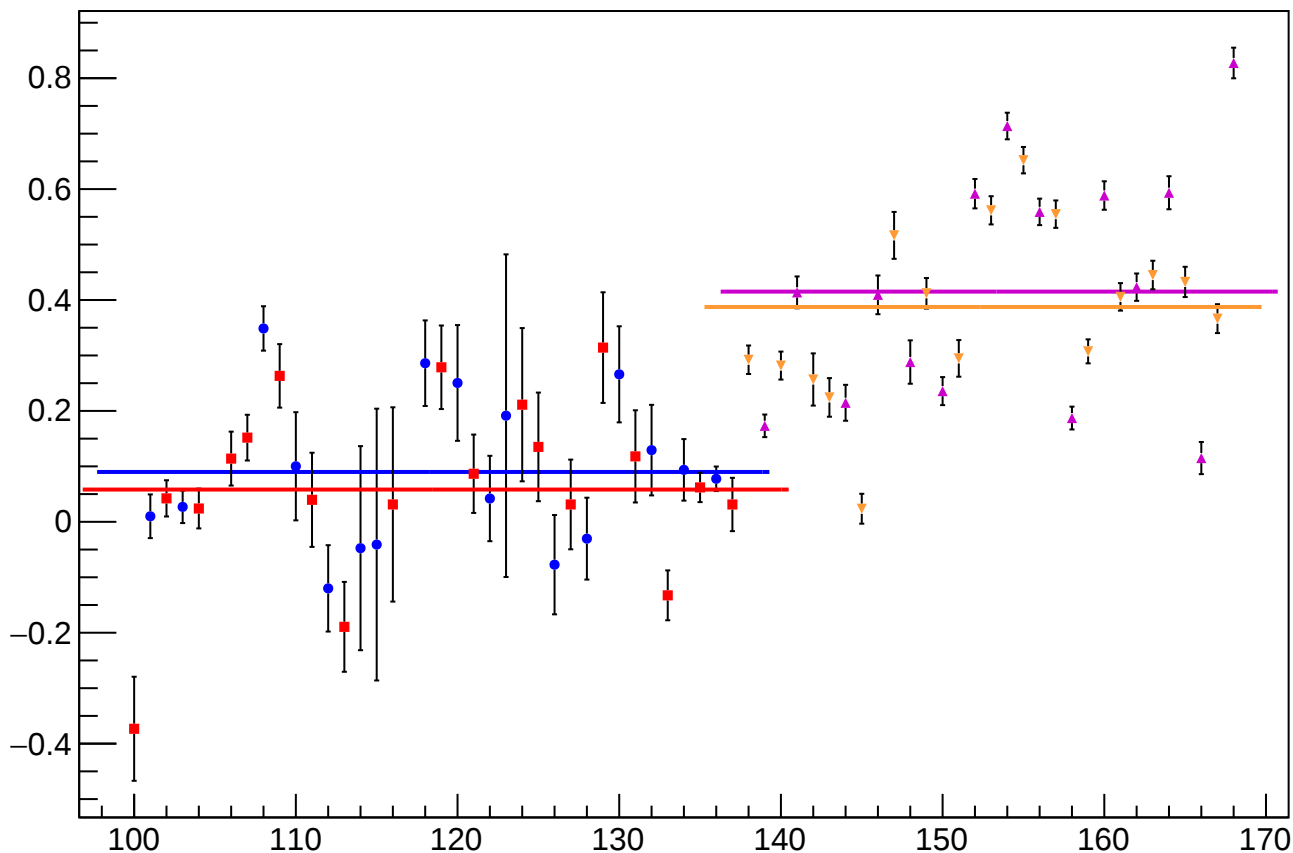
Left In: -36.851 ± 0.153 $\chi^2/\text{NDF}: 838.7/14$

+ sign -36.415 ± 0.129 $\chi^2/\text{NDF}: 5711.7/32$

All: -36.024 ± 0.091 $\chi^2/\text{NDF}: 12839.9/66$

- sign -35.626 ± 0.130 $\chi^2/\text{NDF}: 7109.6/33$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.387 ± 0.007 χ^2/NDF : 499.7/15

Right Out: 0.058 ± 0.012 χ^2/NDF : 87.1/18

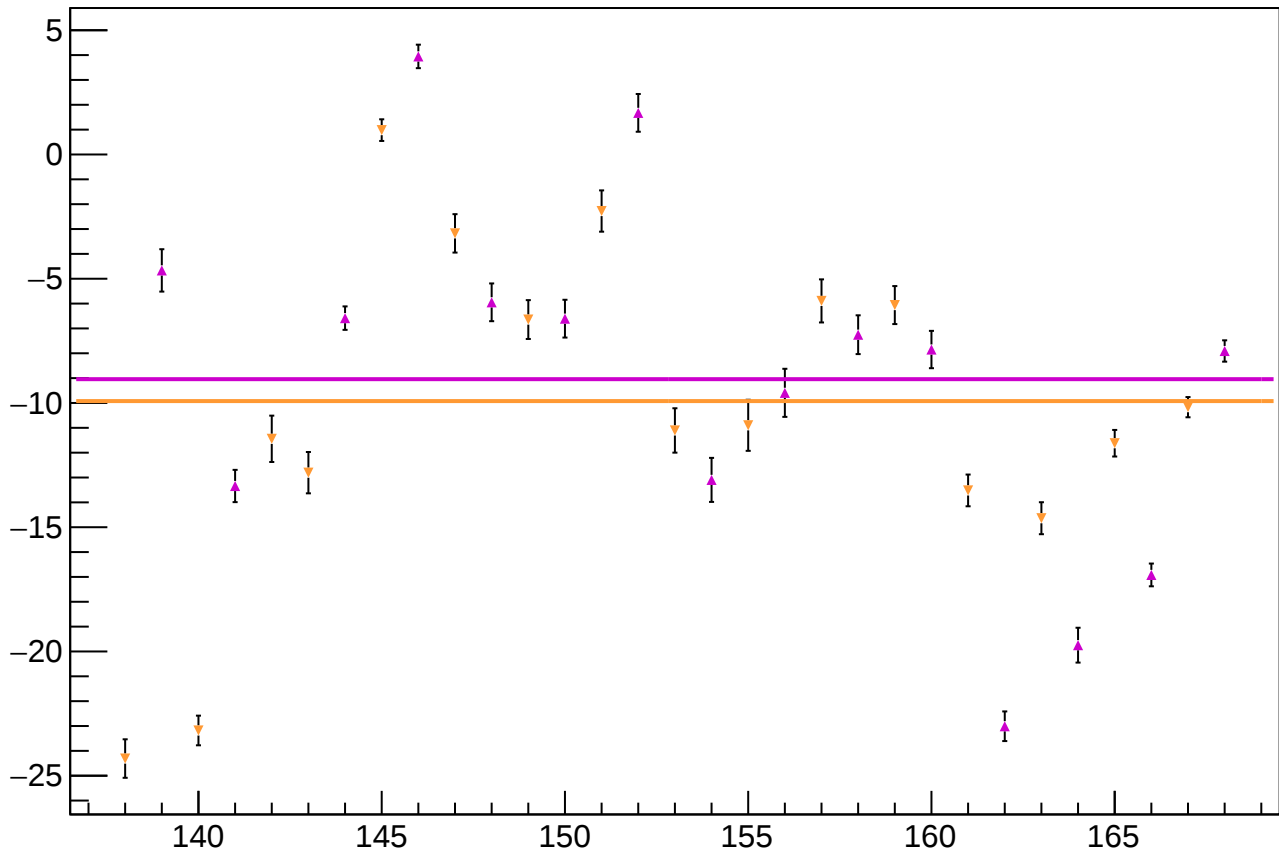
Left In: 0.415 ± 0.007 χ^2/NDF : 1010.4/14

+ sign 0.321 ± 0.006 χ^2/NDF : 1002.4/32

All: 0.326 ± 0.004 χ^2/NDF : 2757.0/66

- sign 0.330 ± 0.006 χ^2/NDF : 1753.4/33

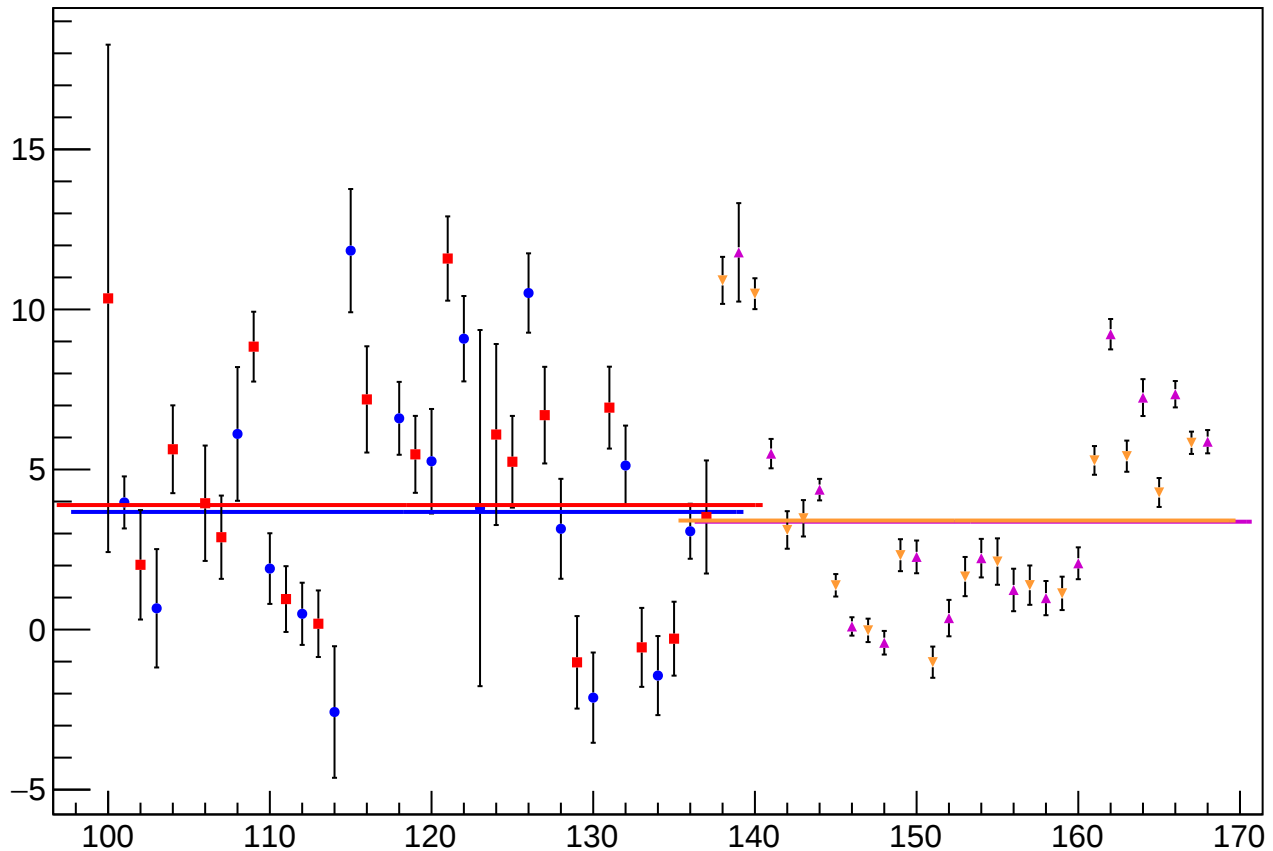
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.924+/-0.165 χ^2/NDF :1802.8/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -9.042+/-0.161 χ^2/NDF :2191.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -9.471+/-0.115 χ^2/NDF : 4009.2/30
 - sign 0.000+/-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: 3.406 ± 0.120 χ^2/NDF : 656.4/15

Right Out: 3.890 ± 0.316 χ^2/NDF : 133.7/18

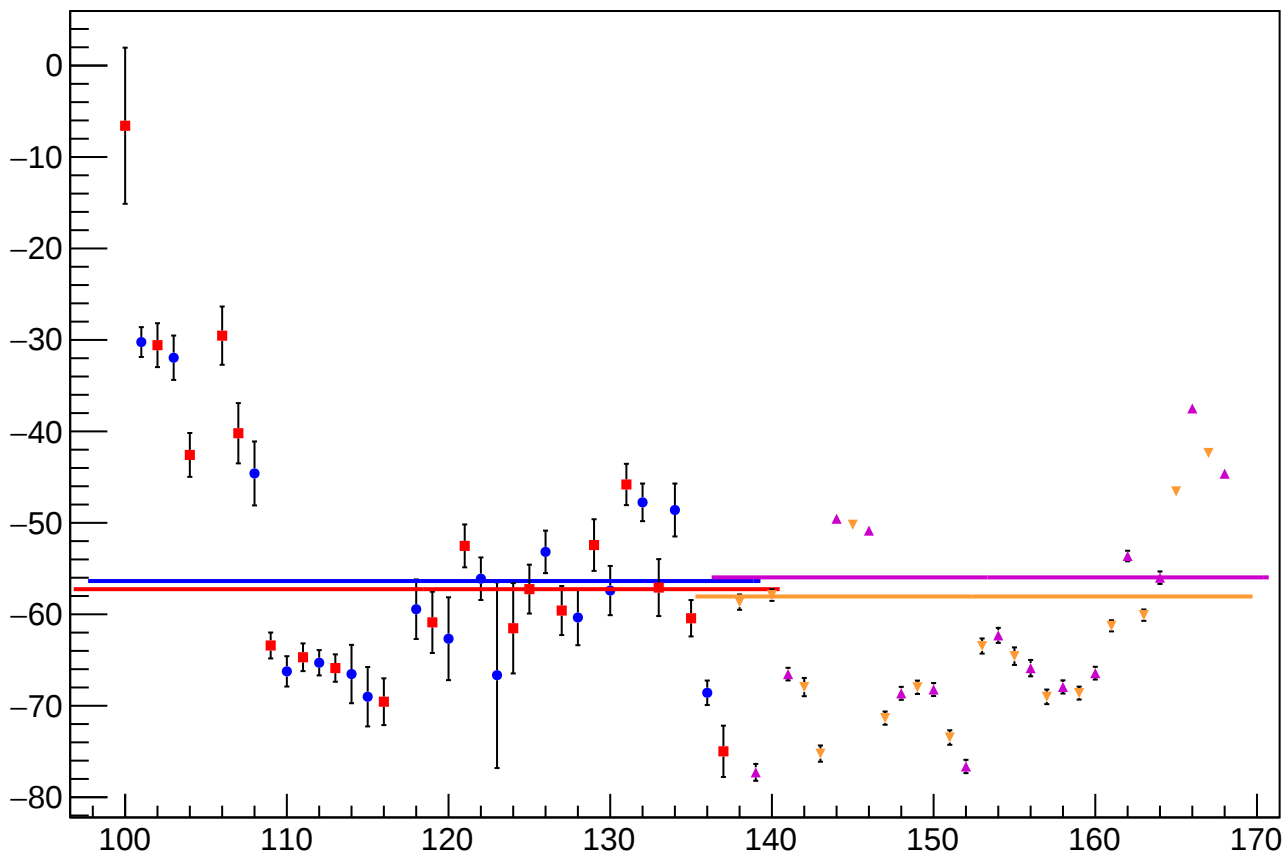
Left In: 3.370 ± 0.116 χ^2/NDF : 706.6/14

+ sign 3.441 ± 0.112 χ^2/NDF : 792.2/32

All: 3.436 ± 0.078 χ^2/NDF : 1635.0/66

- sign 3.432 ± 0.109 χ^2/NDF : 842.7/33

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -58.052 ± 0.165 χ^2/NDF : 4086.9/15

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

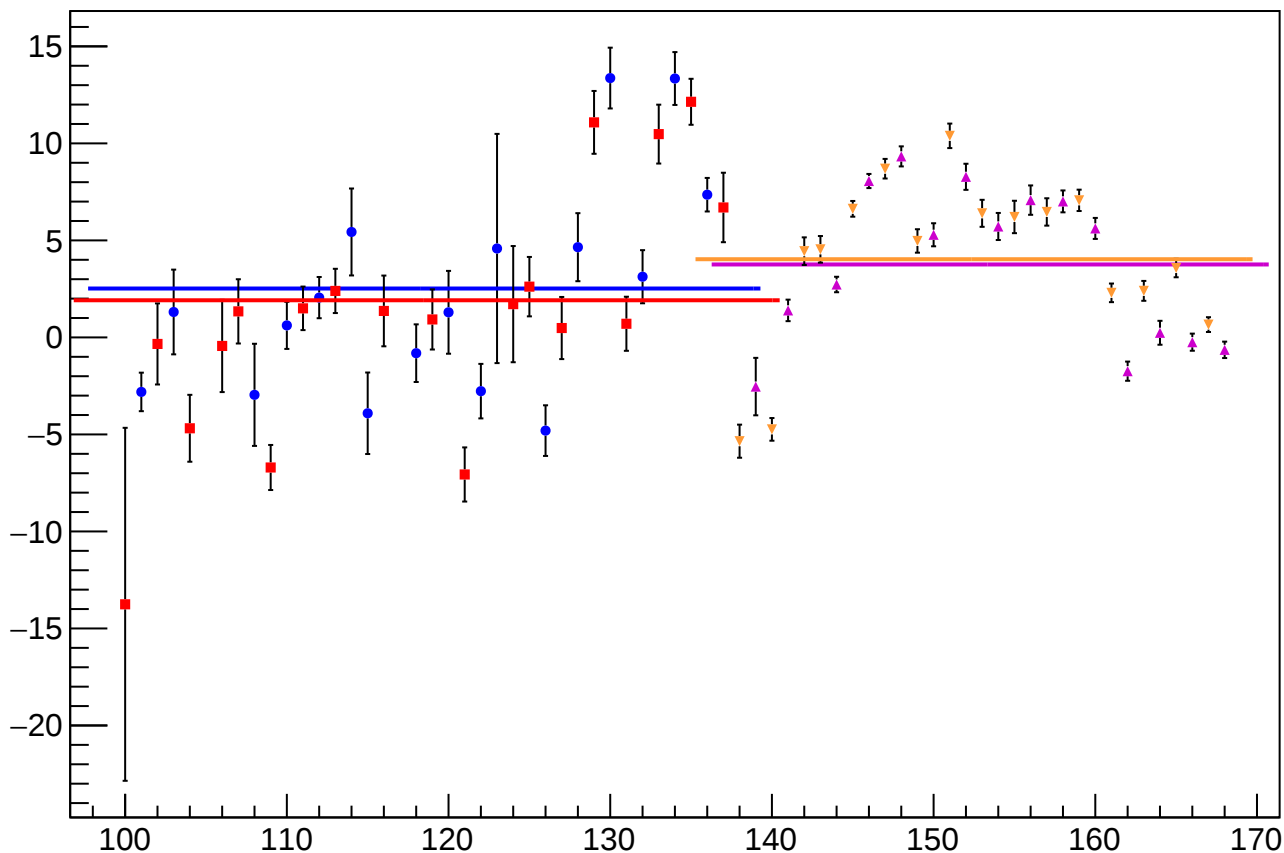
Left In: -55.962 ± 0.159 χ^2/NDF : 5429.8/14

+ sign -57.910 ± 0.158 χ^2/NDF : 4683.0/32

All: -56.956 ± 0.110 χ^2/NDF : 10664.9/66

- sign -56.066 ± 0.152 χ^2/NDF : 5911.1/33

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 4.030 ± 0.139 χ^2/NDF : 740.3/15

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

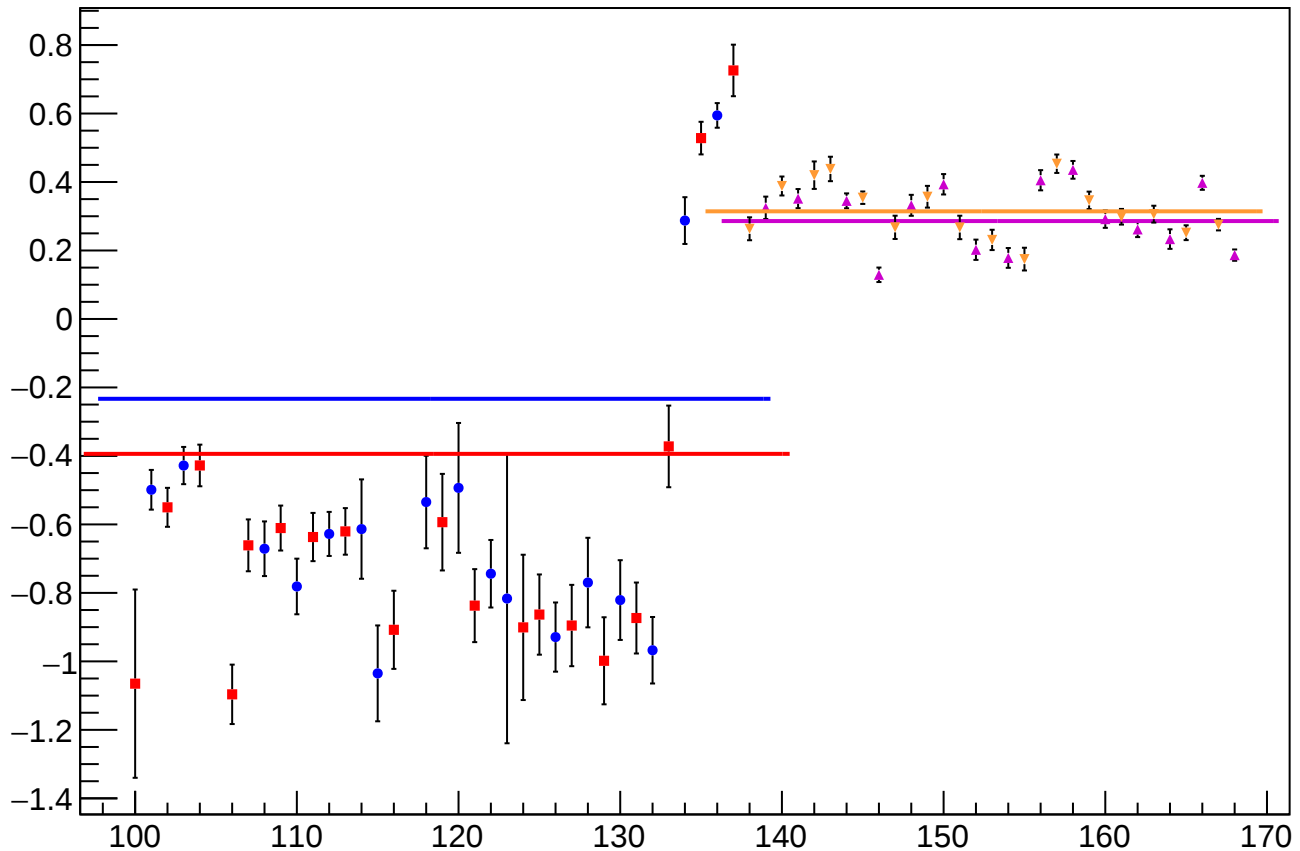
Left In: 3.759 ± 0.136 χ^2/NDF : 769.1/14

+ sign 3.822 ± 0.129 χ^2/NDF : 998.9/32

All: 3.670 ± 0.090 χ^2/NDF : 2058.8/66

- sign 3.523 ± 0.127 χ^2/NDF : 1057.2/33

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.314 ± 0.007 χ^2/NDF : 106.9/15

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

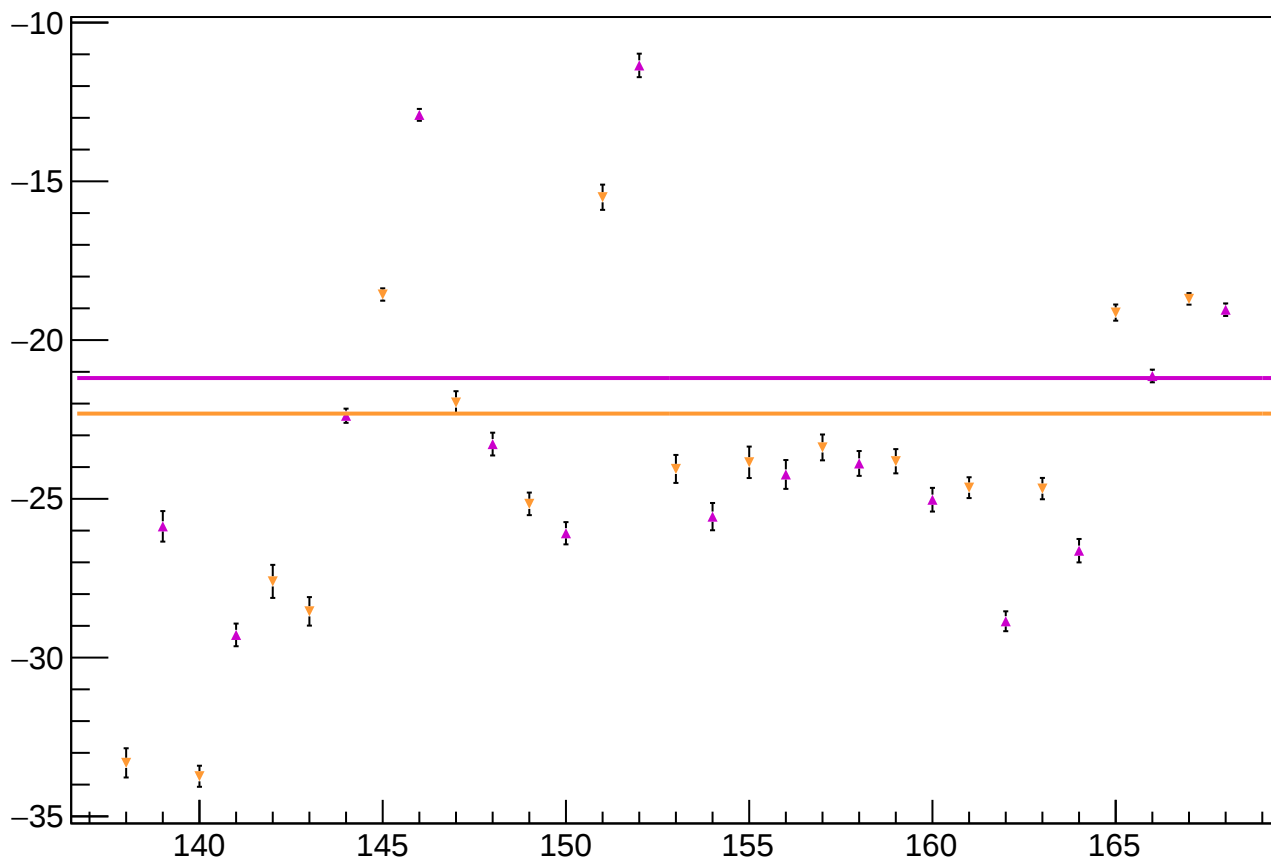
Left In: 0.286 ± 0.006 χ^2/NDF : 226.8/14

+ sign 0.256 ± 0.006 χ^2/NDF : 1813.5/32

All: 0.236 ± 0.004 χ^2/NDF : 4058.0/66

- sign 0.217 ± 0.006 χ^2/NDF : 2223.8/33

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -22.315+/-0.080 χ^2/NDF : 3478.6/15

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

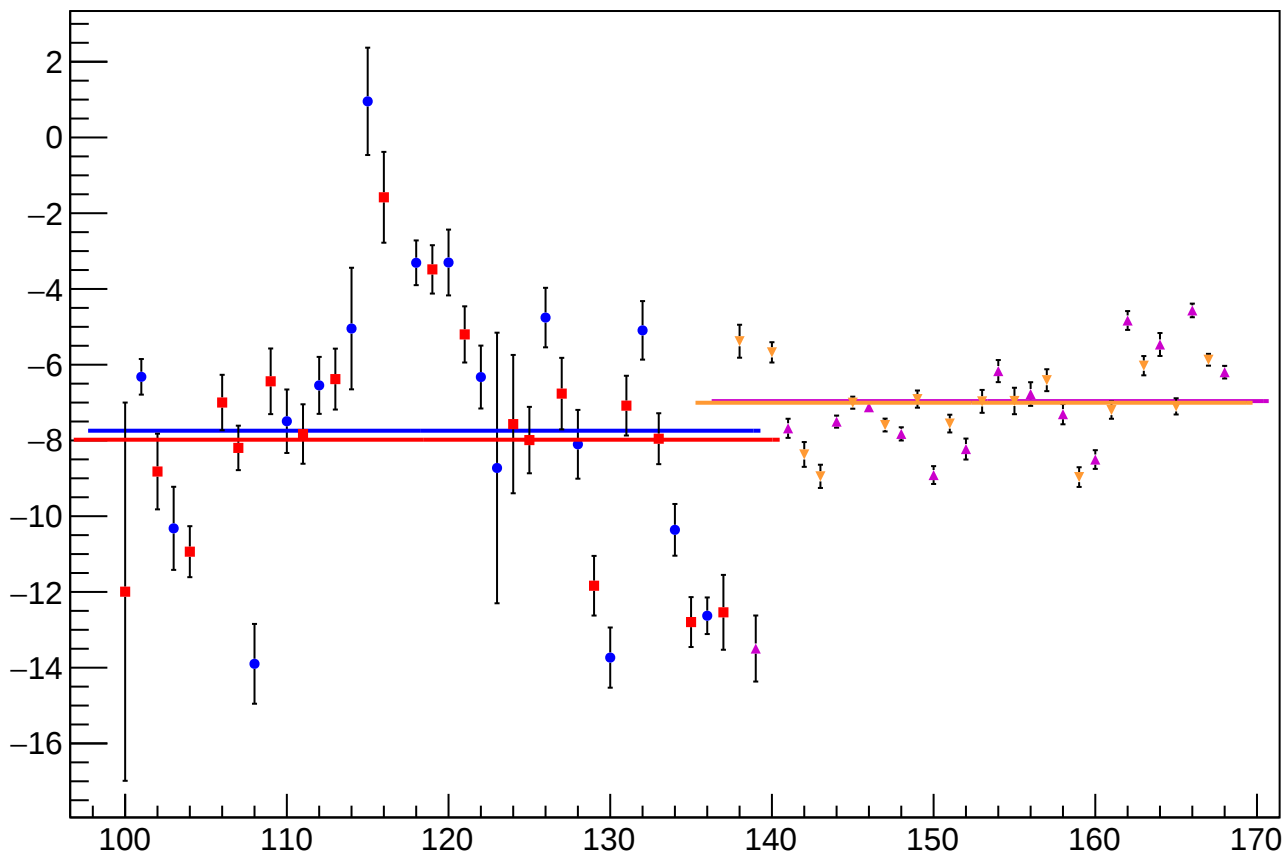
Left In: -21.196+/-0.075 χ^2/NDF : 4764.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.723+/-0.055 χ^2/NDF : 8346.8/30

- 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: -7.004 ± 0.058 χ^2/NDF : 243.8/15

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

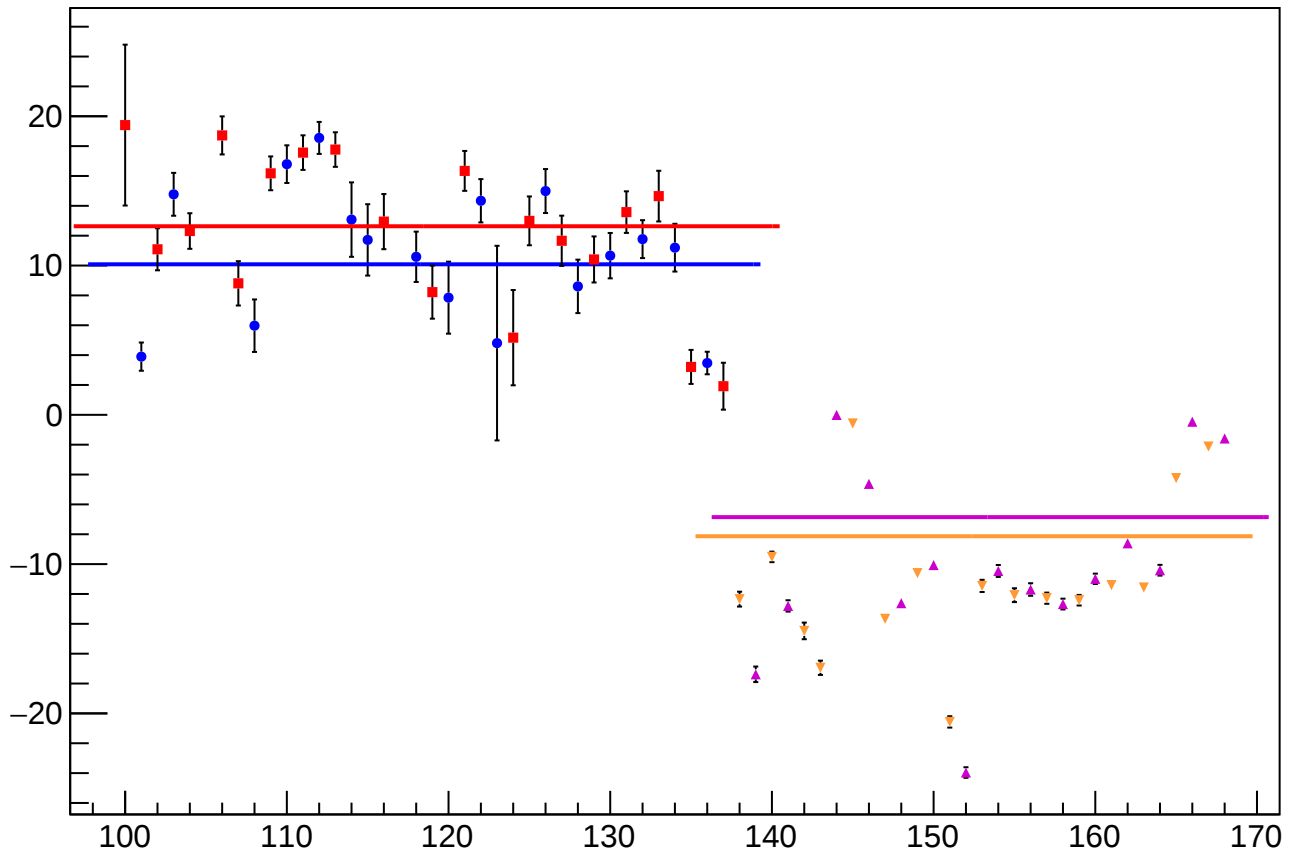
Left In: -6.961 ± 0.054 χ^2/NDF : 535.8/14

+ sign -7.070 ± 0.056 χ^2/NDF : 635.6/32

All: -7.054 ± 0.038 χ^2/NDF : 1422.8/66

- sign -7.041 ± 0.052 χ^2/NDF : 787.1/33

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 ± 0.338 $\chi^2/\text{NDF}: 252.7/16$

Left Out: -8.135 ± 0.080 $\chi^2/\text{NDF}: 5206.2/15$

Right Out: 12.632 ± 0.333 $\chi^2/\text{NDF}: 218.6/18$

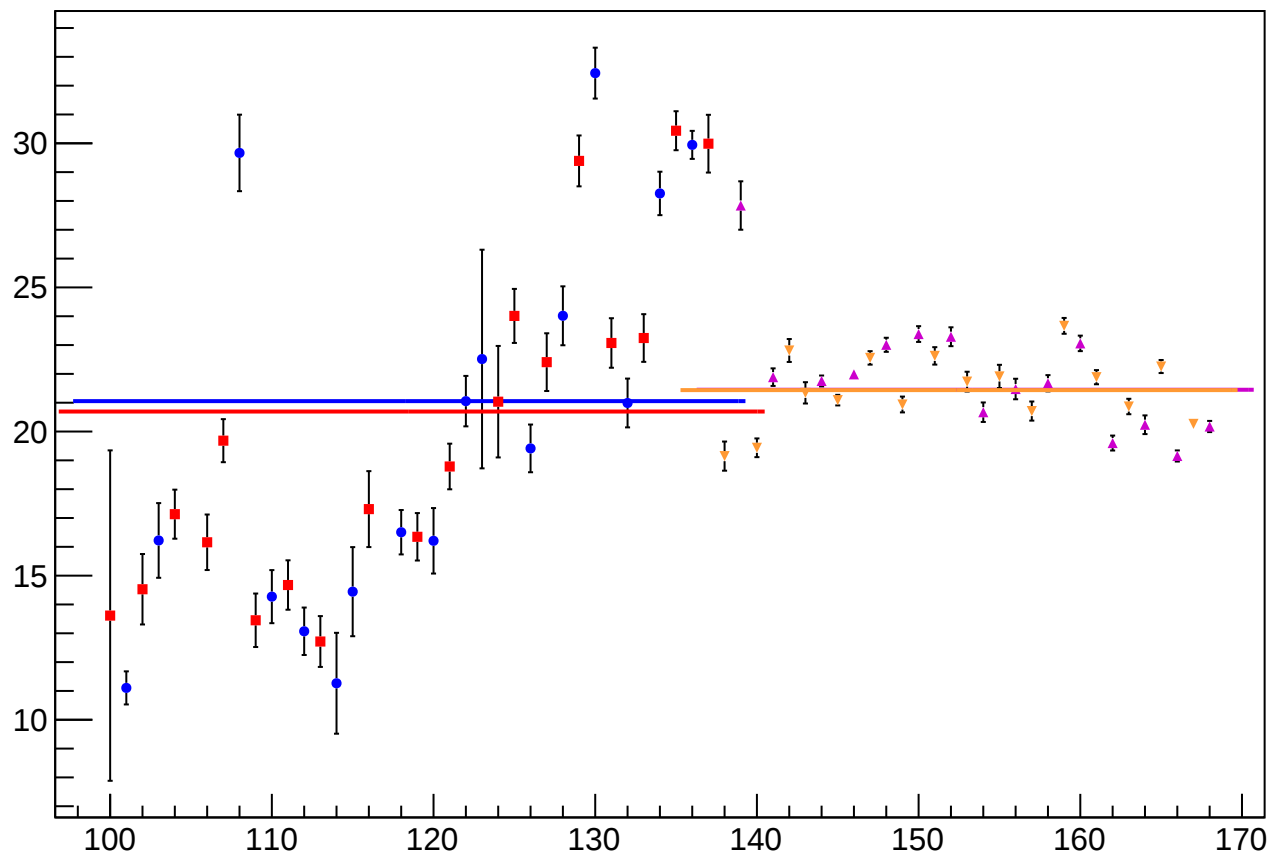
Left In: -6.853 ± 0.074 $\chi^2/\text{NDF}: 6776.5/14$

+ sign -7.178 ± 0.077 $\chi^2/\text{NDF}: 8212.6/32$

All: -6.511 ± 0.053 $\chi^2/\text{NDF}: 18614.4/66$

- sign -5.925 ± 0.073 $\chi^2/\text{NDF}: 10262.4/33$

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: 21.437 $\pm$ 0.067 χ^2 /NDF: 256.7/15

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

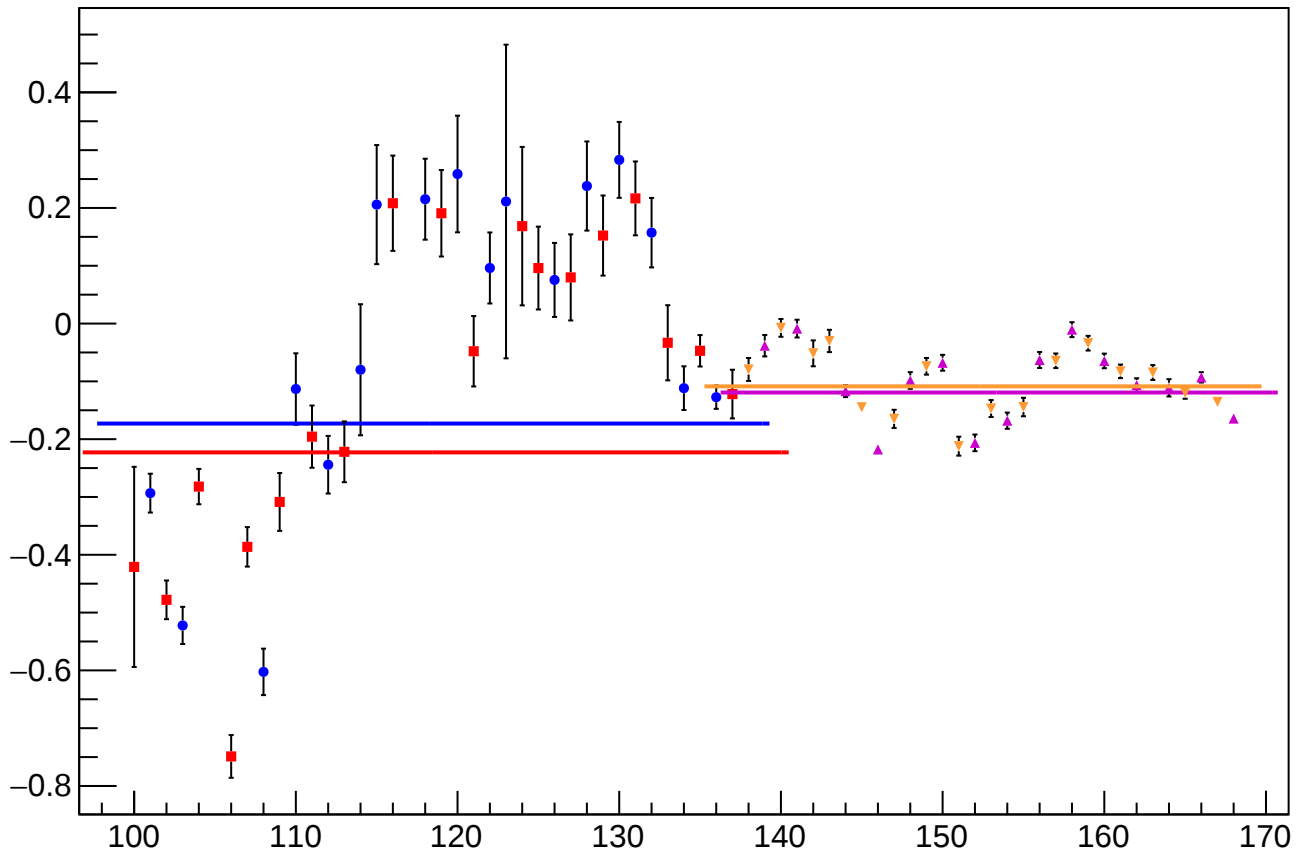
Left In: 21.450 $\pm$ 0.064 χ^2 /NDF: 489.7/14

+ sign 21.402 $\pm$ 0.064 χ^2 /NDF: 1471.5/32

All: 21.394 $\pm$ 0.044 χ^2 /NDF: 2696.9/66

- sign 21.387 $\pm$ 0.061 χ^2 /NDF: 1225.4/33

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.109 ± 0.003 χ^2/NDF : 227.9/15

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

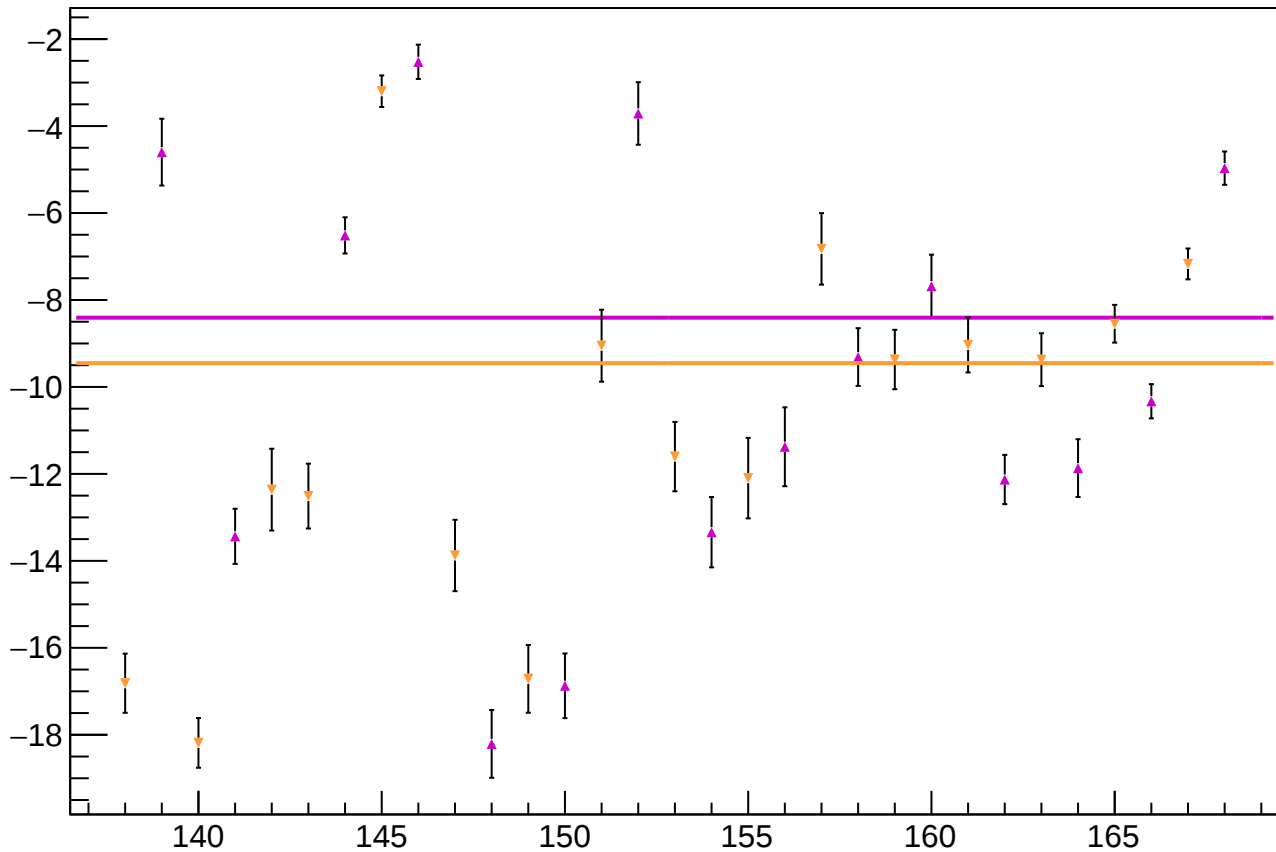
Left In: -0.119 ± 0.003 χ^2/NDF : 422.8/14

+ sign -0.113 ± 0.003 χ^2/NDF : 720.3/32

All: -0.120 ± 0.002 χ^2/NDF : 1771.2/66

- sign -0.127 ± 0.003 χ^2/NDF : 1040.9/33

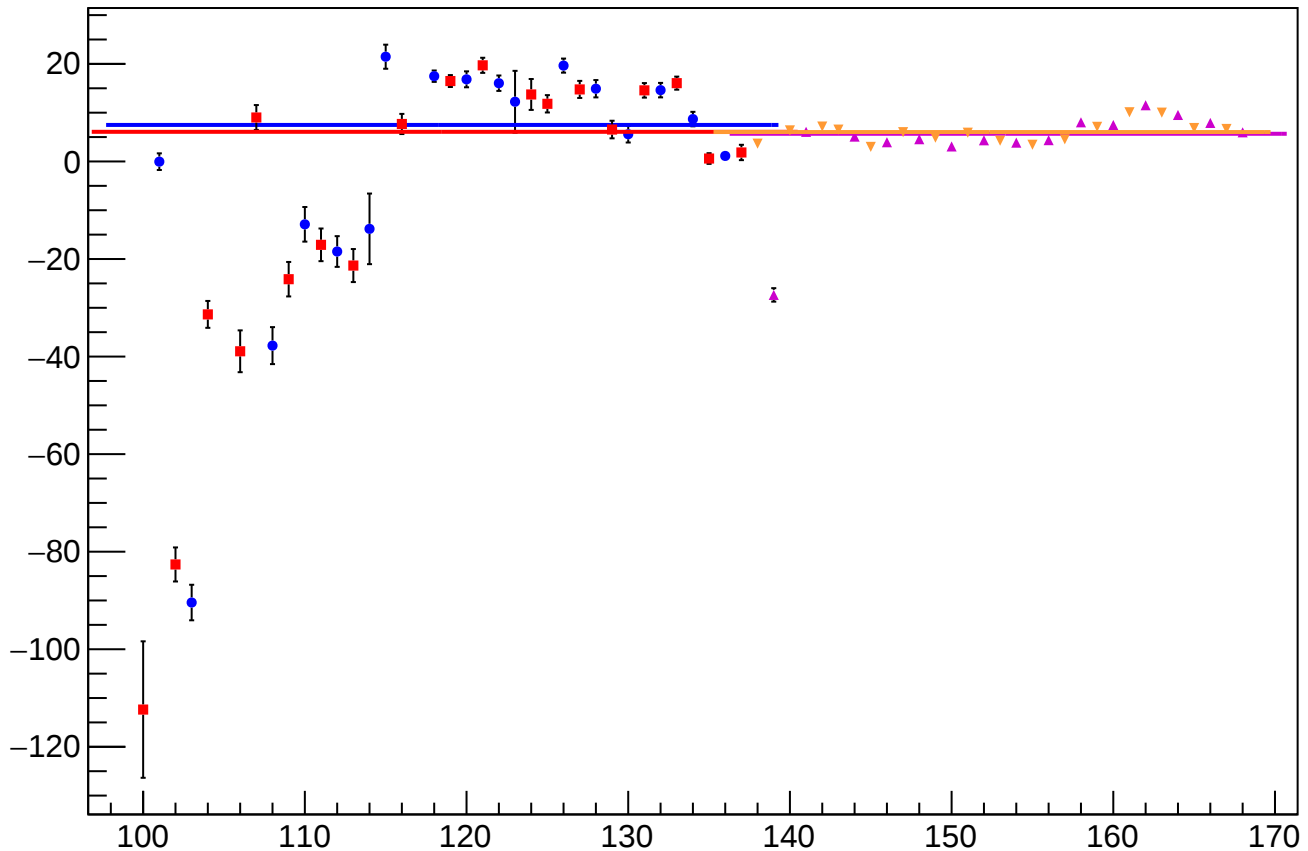
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -9.452 ± 0.149 $\chi^2/\text{NDF}: 861.8/15$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -8.407 ± 0.145 $\chi^2/\text{NDF}: 886.4/14$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 All: -8.918 ± 0.104 $\chi^2/\text{NDF}: 1773.4/30$
 - sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 6.032 ± 0.110 χ^2/NDF : 342.1/15

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

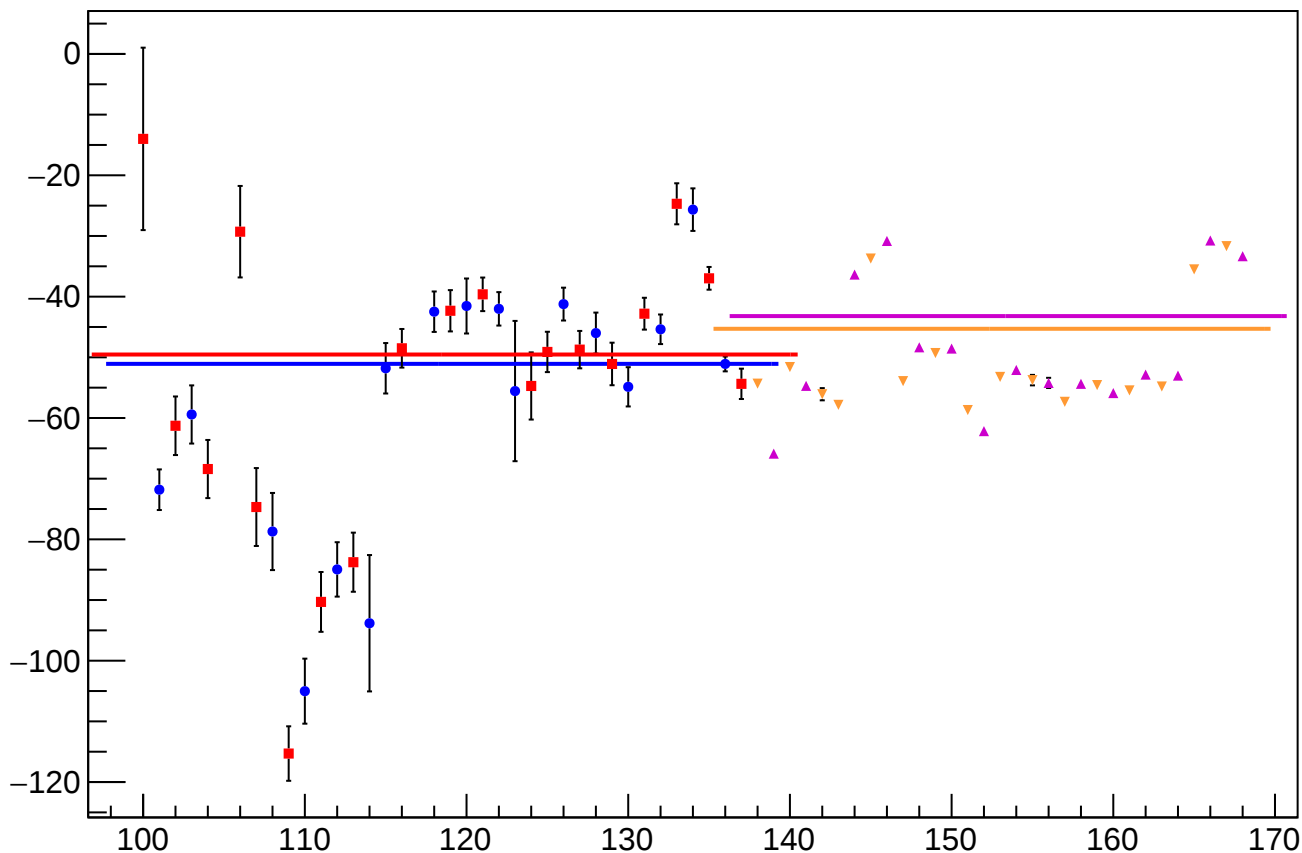
Left In: 5.675 ± 0.107 χ^2/NDF : 979.8/14

+ sign 6.132 ± 0.107 χ^2/NDF : 1694.6/32

All: 5.909 ± 0.074 χ^2/NDF : 4195.8/66

- sign 5.698 ± 0.104 χ^2/NDF : 2492.7/33

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -45.297 ± 0.149 χ^2/NDF : 5101.3/15

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

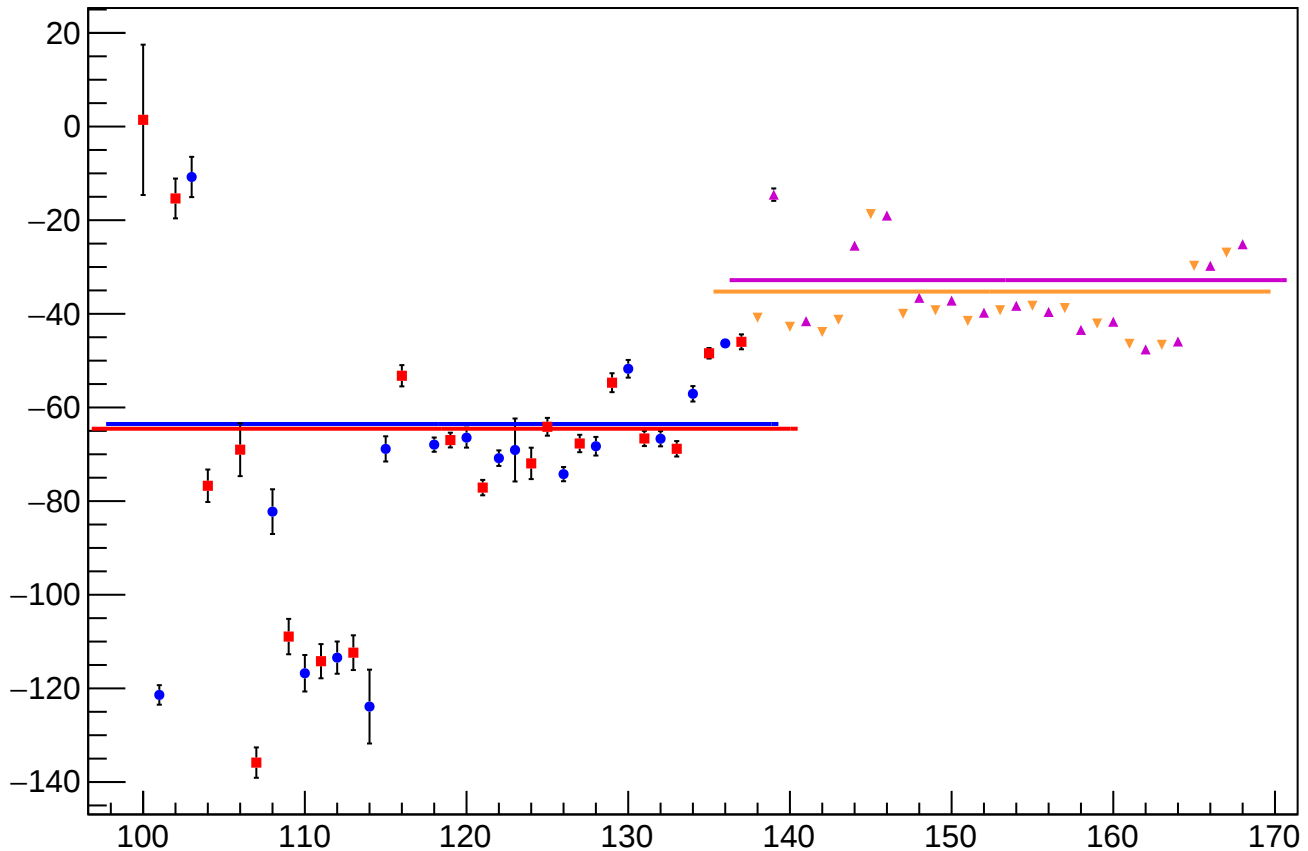
Left In: -43.204 ± 0.144 χ^2/NDF : 6352.9/14

+ sign -45.522 ± 0.146 χ^2/NDF : 5490.0/32

All: -44.429 ± 0.102 χ^2/NDF : 12521.7/66

- sign -43.403 ± 0.142 χ^2/NDF : 6923.4/33

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 $\pm$ 0.449 χ^2 /NDF: 2010.9/16

Left Out: -35.246 $\pm$ 0.127 χ^2 /NDF: 5364.2/15

Right Out: -64.540 $\pm$ 0.483 χ^2 /NDF: 1603.1/18

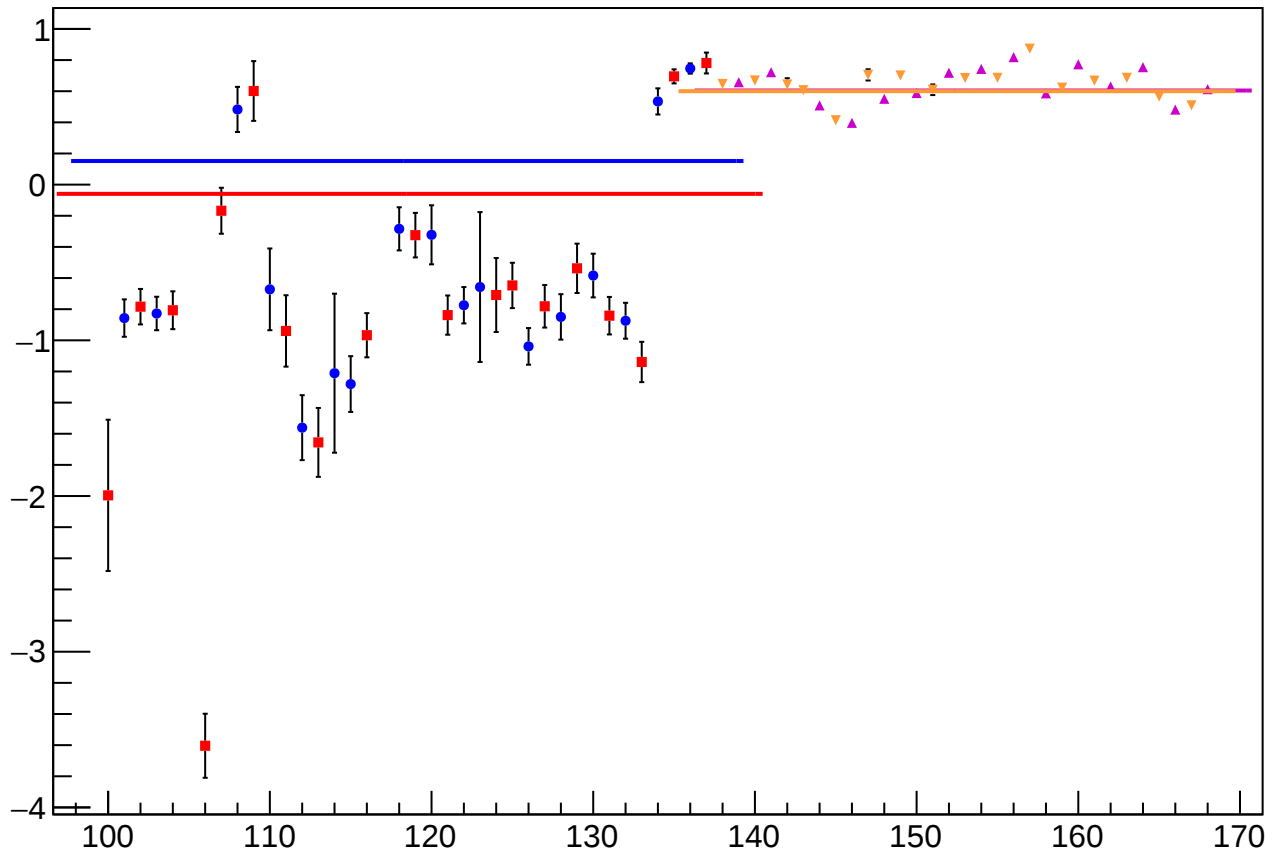
Left In: -32.806 $\pm$ 0.124 χ^2 /NDF: 5949.1/14

+ sign -37.330 $\pm$ 0.122 χ^2 /NDF: 11055.1/32

All: -36.032 $\pm$ 0.086 χ^2 /NDF: 22881.6/66

- sign -34.769 $\pm$ 0.120 χ^2 /NDF: 11602.6/33

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$

Left Out: 0.600 ± 0.006 $\chi^2/\text{NDF}: 379.3/15$

Right Out: -0.059 ± 0.026 $\chi^2/\text{NDF}: 1161.9/18$

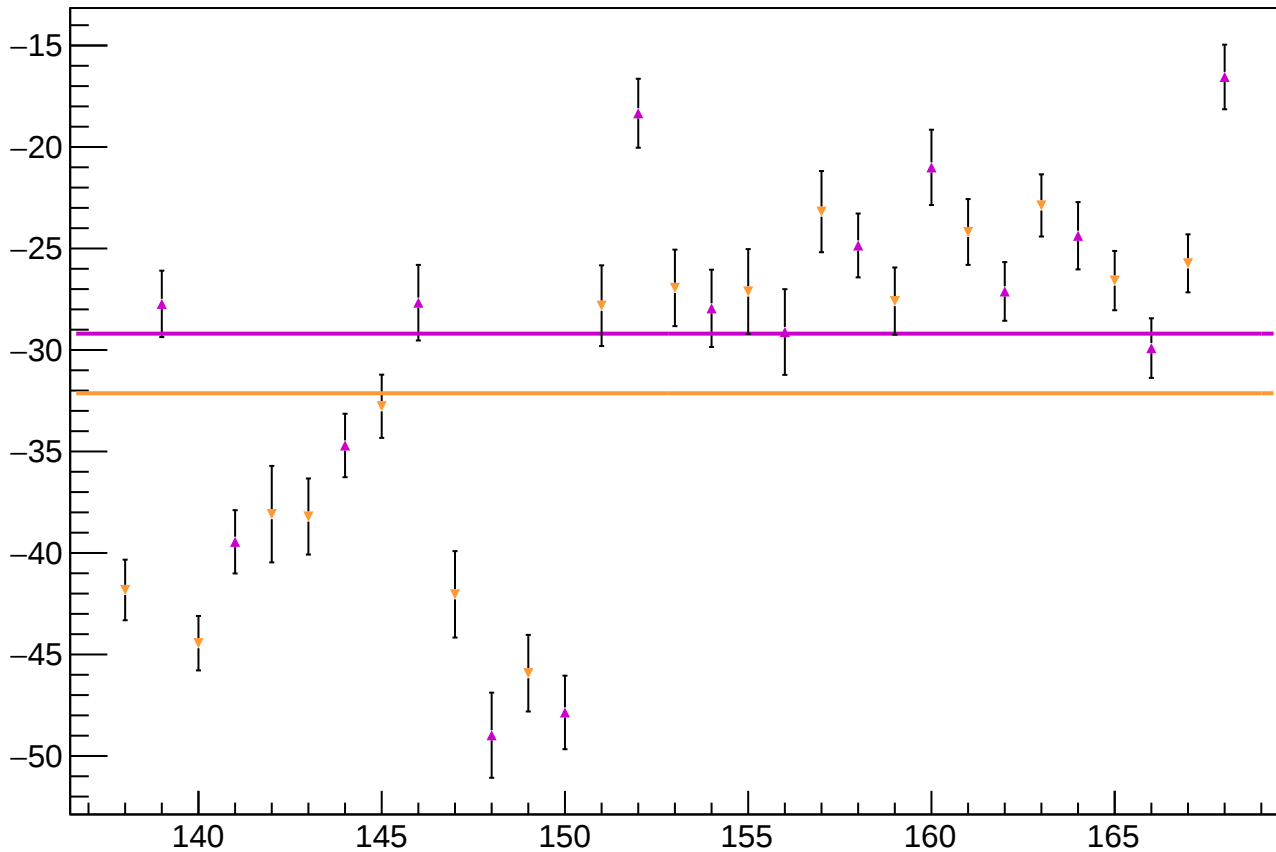
Left In: 0.604 ± 0.006 $\chi^2/\text{NDF}: 417.8/14$

+ sign 0.575 ± 0.006 $\chi^2/\text{NDF}: 1695.2/32$

All: 0.574 ± 0.004 $\chi^2/\text{NDF}: 3882.3/66$

- sign 0.574 ± 0.006 $\chi^2/\text{NDF}: 2187.0/33$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.131 ± 0.425 χ^2/NDF : 359.0/15

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

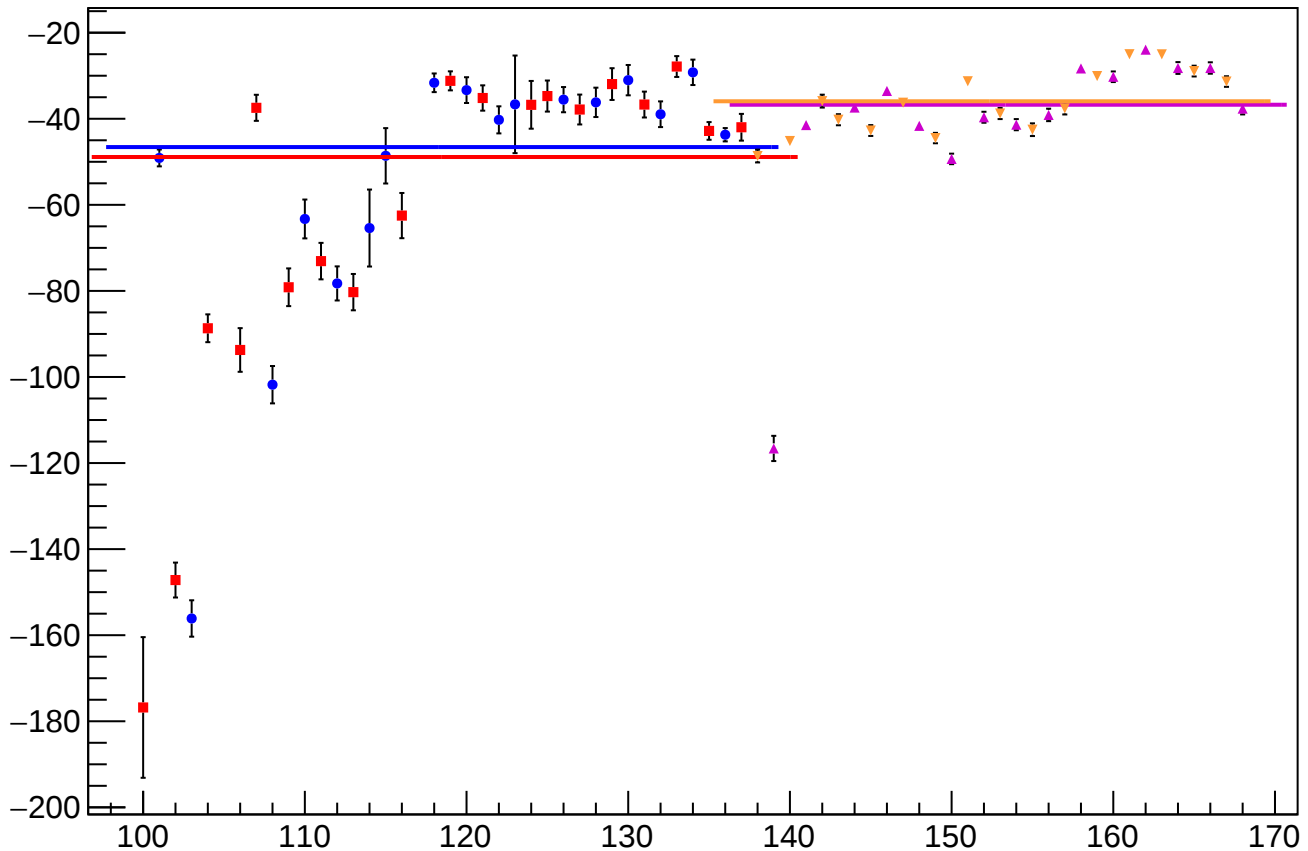
Left In: -29.195 ± 0.436 χ^2/NDF : 394.5/14

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -30.699 ± 0.305 χ^2/NDF : 776.7/30

- 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: -35.937 ± 0.309 χ^2/NDF : 528.3/15

Right Out: -48.888 ± 0.763 χ^2/NDF : 1277.5/18

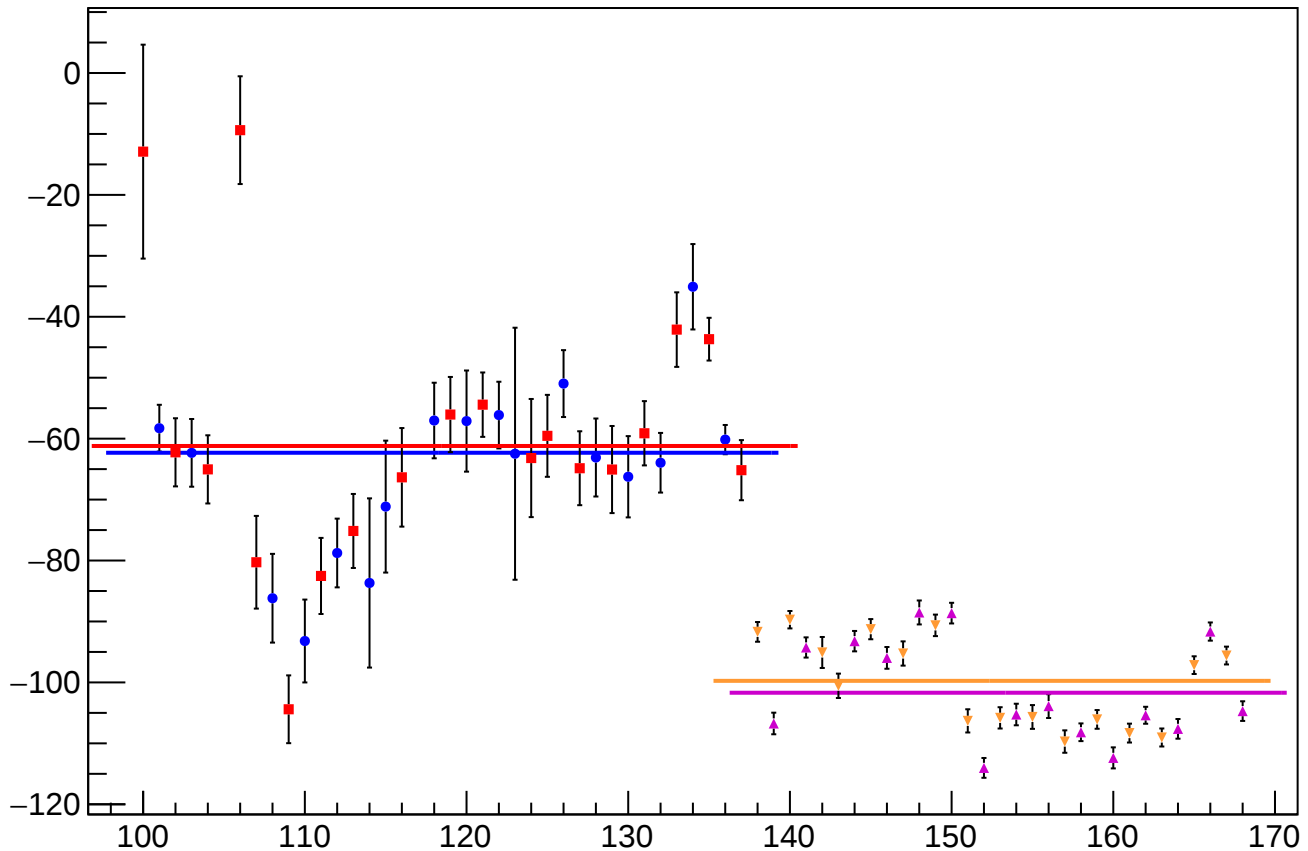
Left In: -36.742 ± 0.321 χ^2/NDF : 1210.0/14

+ sign -37.555 ± 0.285 χ^2/NDF : 1785.1/32

All: -38.040 ± 0.205 χ^2/NDF : 4493.8/66

- sign -38.565 ± 0.296 χ^2/NDF : 2702.6/33

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 $\pm$ 1.316 χ^2 /NDF: 67.1/16

Left Out: -99.742 $\pm$ 0.422 χ^2 /NDF: 296.4/15

Right Out: -61.203 $\pm$ 1.381 χ^2 /NDF: 165.0/18

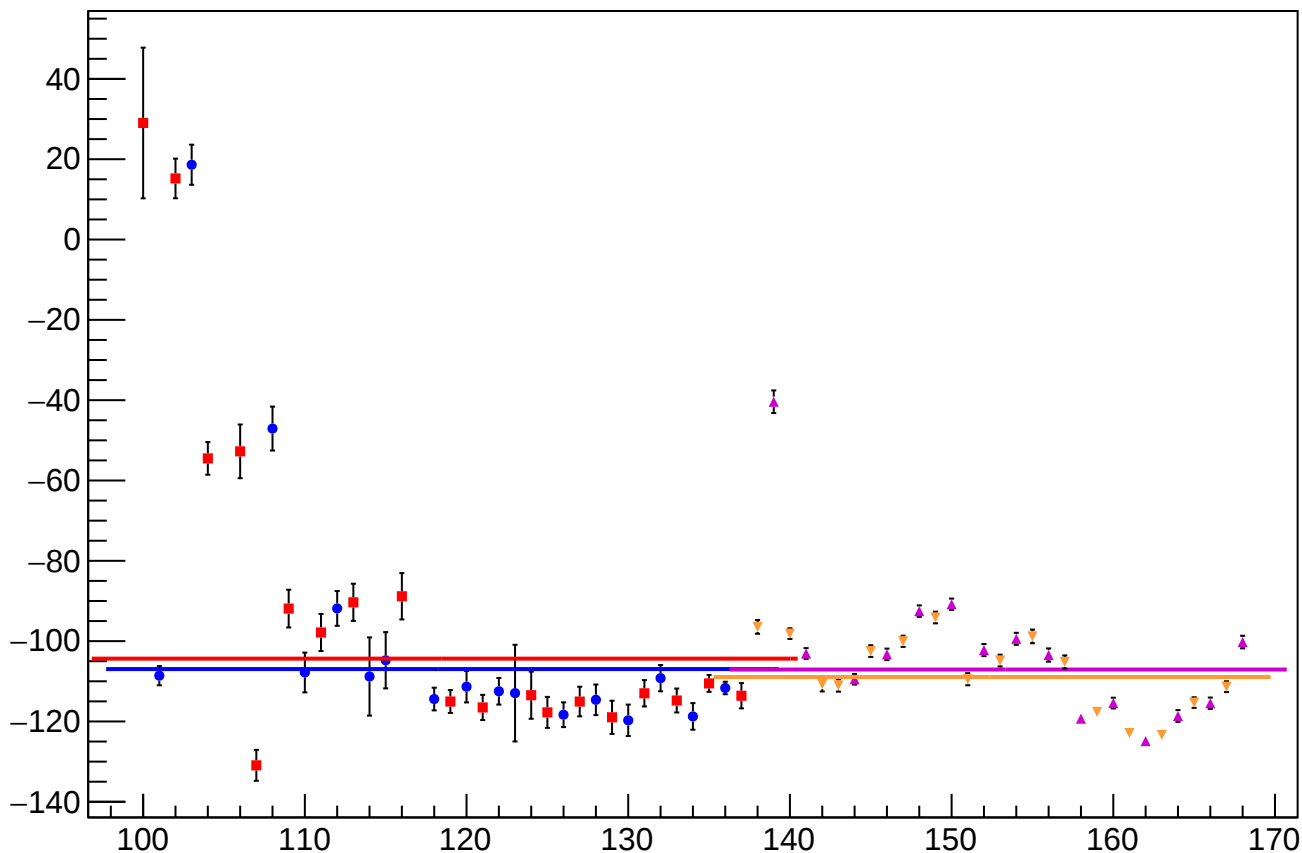
Left In: -101.694 $\pm$ 0.428 χ^2 /NDF: 358.9/14

+ sign -96.252 $\pm$ 0.402 χ^2 /NDF: 1097.4/32

All: -97.185 $\pm$ 0.286 χ^2 /NDF: 2416.7/66

- sign -98.149 $\pm$ 0.409 χ^2 /NDF: 1308.3/33

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -108.934 ± 0.356 $\chi^2/\text{NDF}: 684.8/15$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

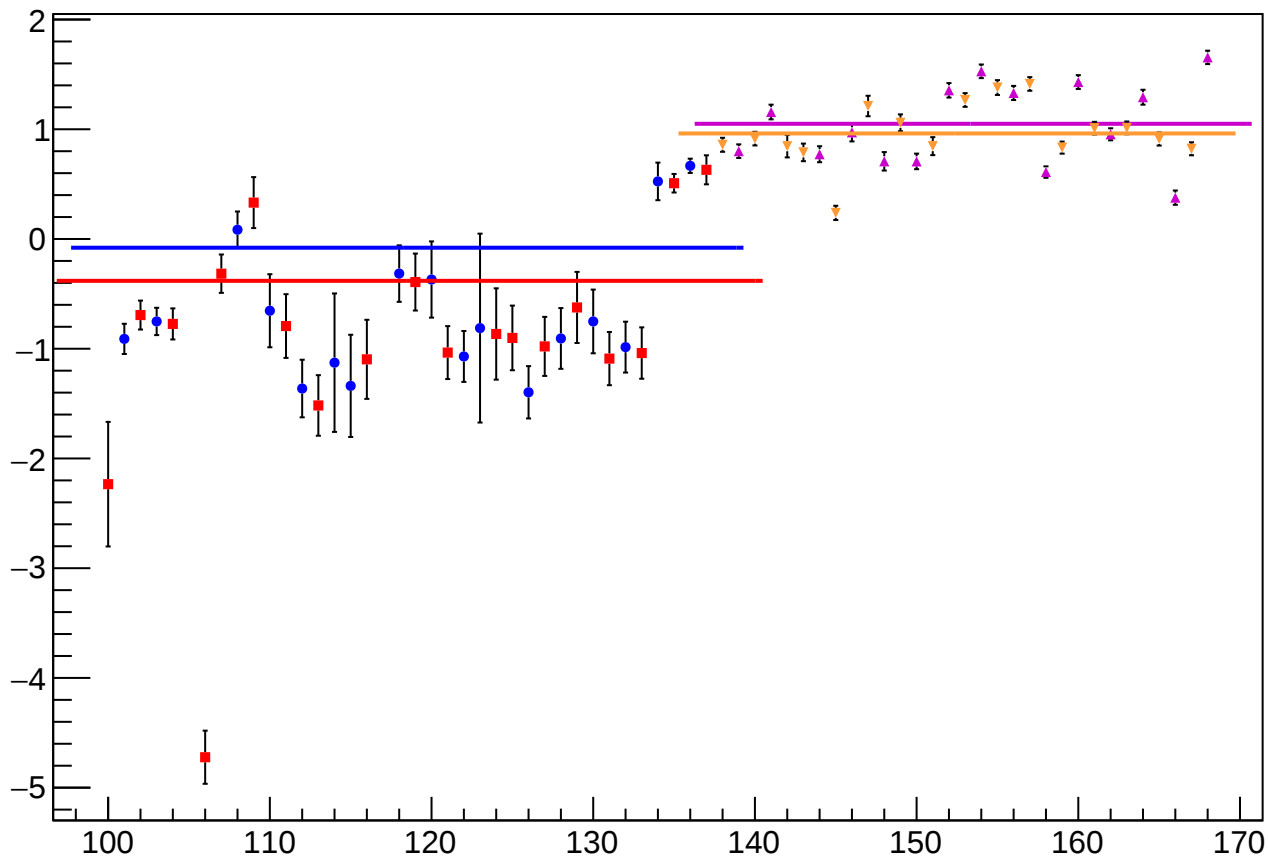
Left In: -107.073 ± 0.368 $\chi^2/\text{NDF}: 1343.6/14$

+ sign -108.618 ± 0.326 $\chi^2/\text{NDF}: 1516.9/32$

All: -107.671 ± 0.235 $\chi^2/\text{NDF}: 3907.4/66$

- sign -106.653 ± 0.339 $\chi^2/\text{NDF}: 2373.0/33$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.962 ± 0.017 χ^2/NDF : 272.6/15

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

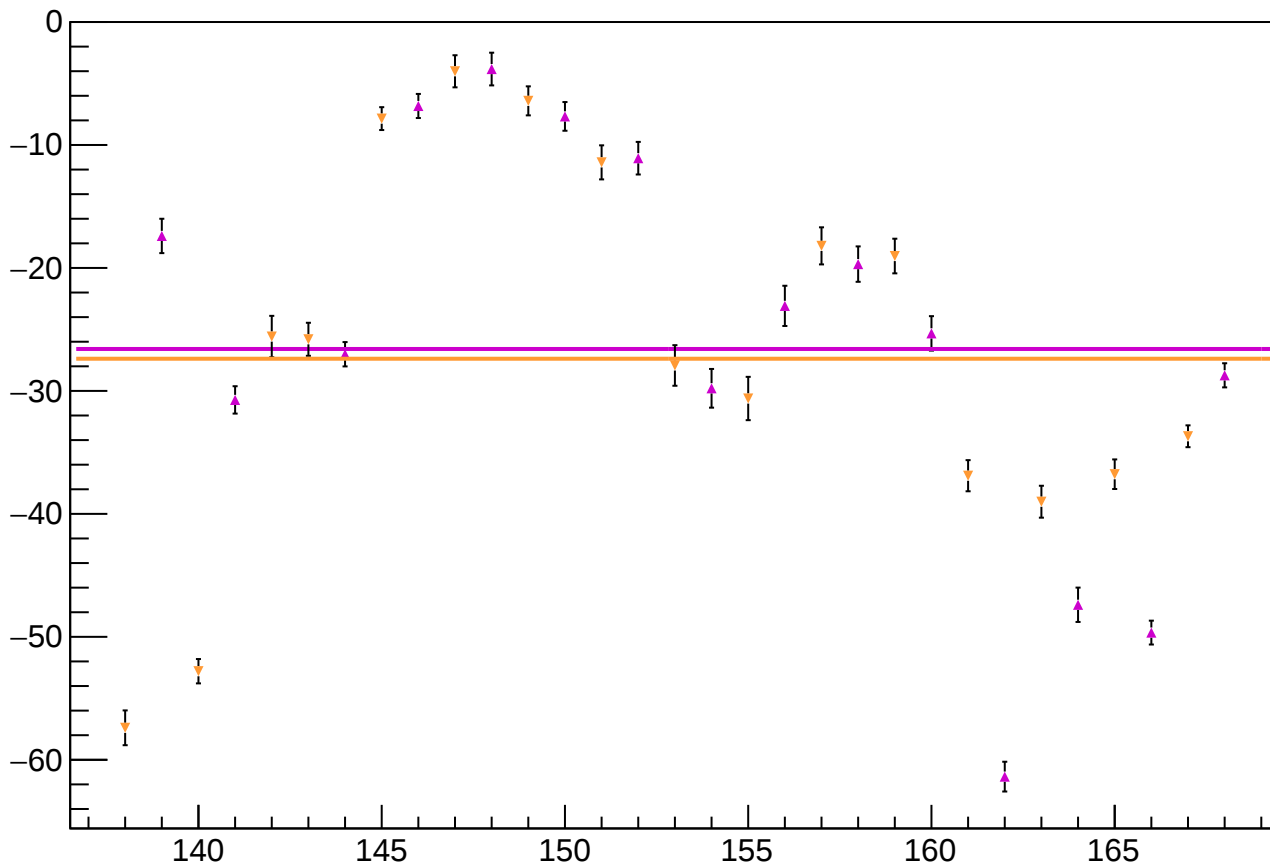
Left In: 1.050 ± 0.017 χ^2/NDF : 501.0/14

+ sign 0.823 ± 0.015 χ^2/NDF : 1127.2/32

All: 0.845 ± 0.011 χ^2/NDF : 3136.1/66

- sign 0.868 ± 0.016 χ^2/NDF : 2004.6/33

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -27.383+/-0.313 χ^2/NDF : 2646.1/15

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

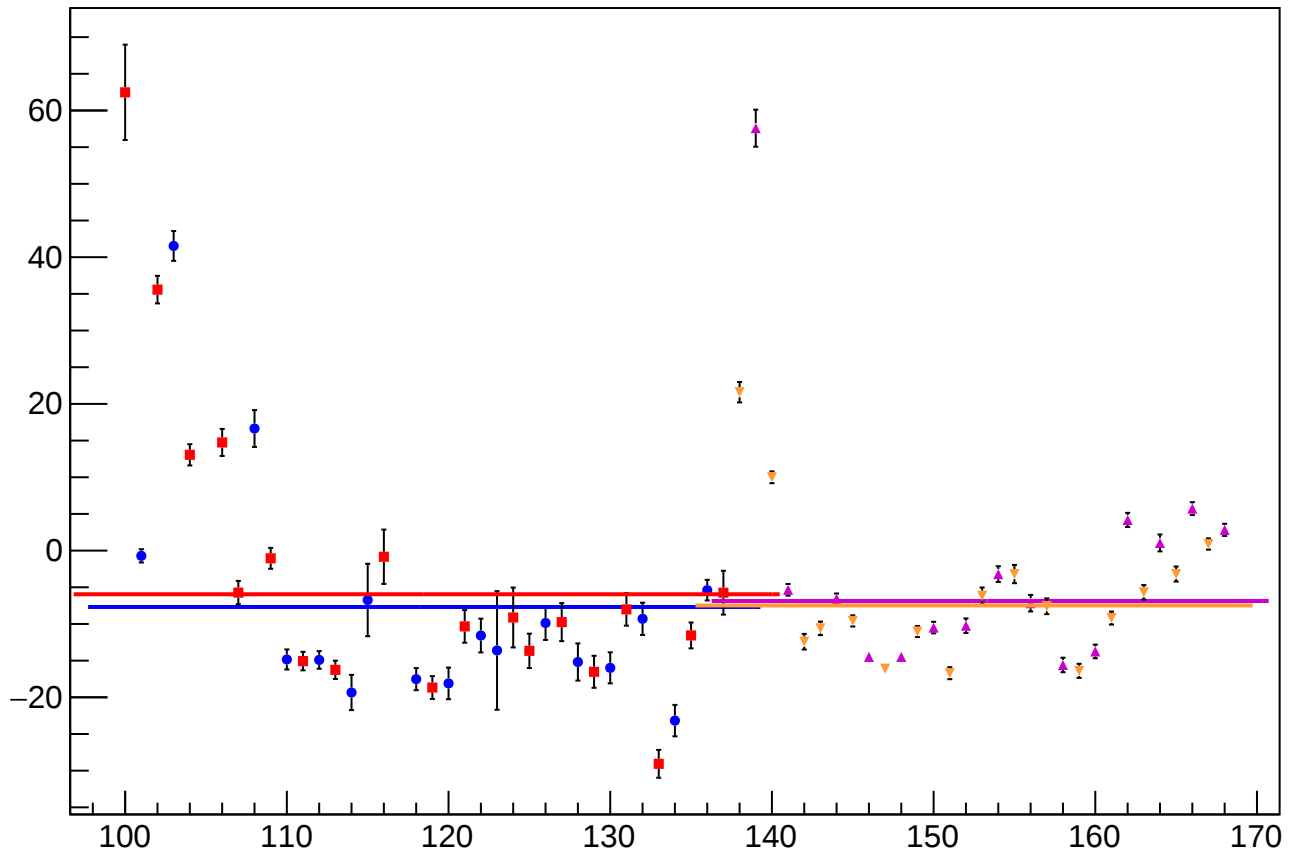
Left In: -26.590+/-0.311 χ^2/NDF : 2805.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -26.985+/-0.221 χ^2/NDF : 5455.2/30

- 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: -7.480 ± 0.224 χ^2/NDF : 1528.0/15

Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

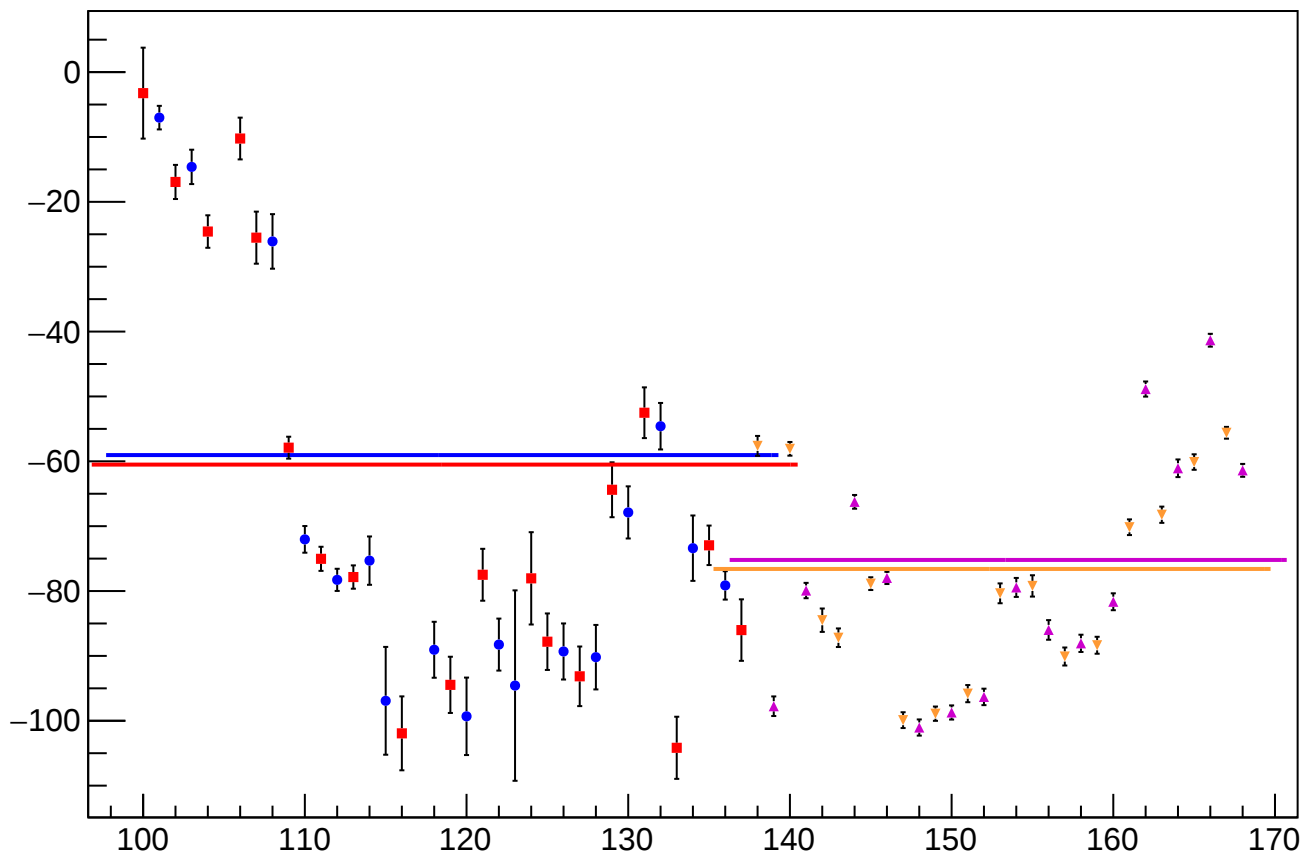
Left In: -6.869 ± 0.225 χ^2/NDF : 1643.0/14

+ sign -7.524 ± 0.199 χ^2/NDF : 2504.1/32

All: -7.099 ± 0.141 χ^2/NDF : 5458.0/66

- sign -6.671 ± 0.199 χ^2/NDF : 2944.7/33

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 $\chi^2/\text{NDF}: 1709.5/16$

Left Out: -76.595 ± 0.311 $\chi^2/\text{NDF}: 2506.7/15$

Right Out: -60.507 ± 0.704 $\chi^2/\text{NDF}: 1384.8/18$

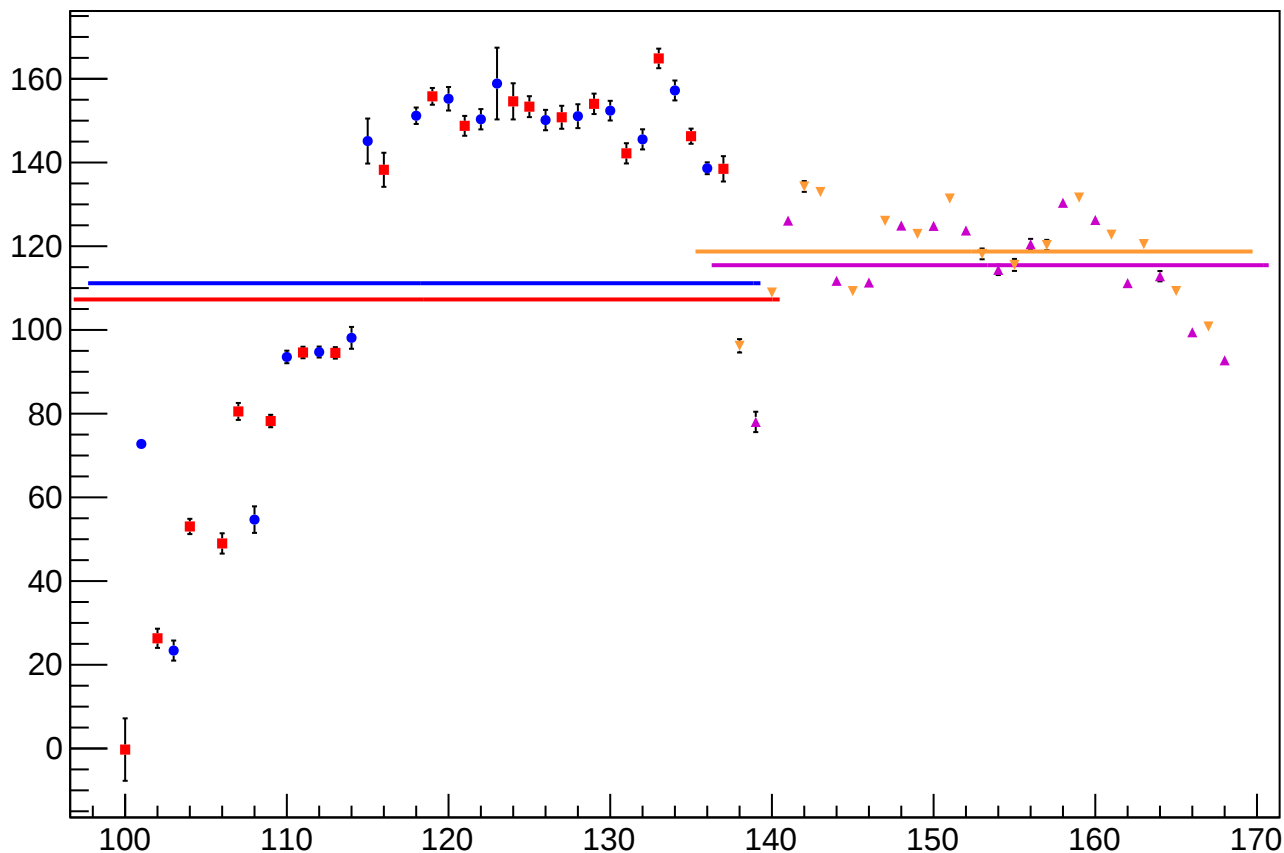
Left In: -75.205 ± 0.306 $\chi^2/\text{NDF}: 3652.2/14$

+ sign -73.996 ± 0.287 $\chi^2/\text{NDF}: 4688.5/32$

All: -73.419 ± 0.201 $\chi^2/\text{NDF}: 10099.5/66$

- sign -72.866 ± 0.281 $\chi^2/\text{NDF}: 5403.1/33$

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: 118.738 $\pm$ 0.261 χ^2 /NDF: 1691.2/15

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

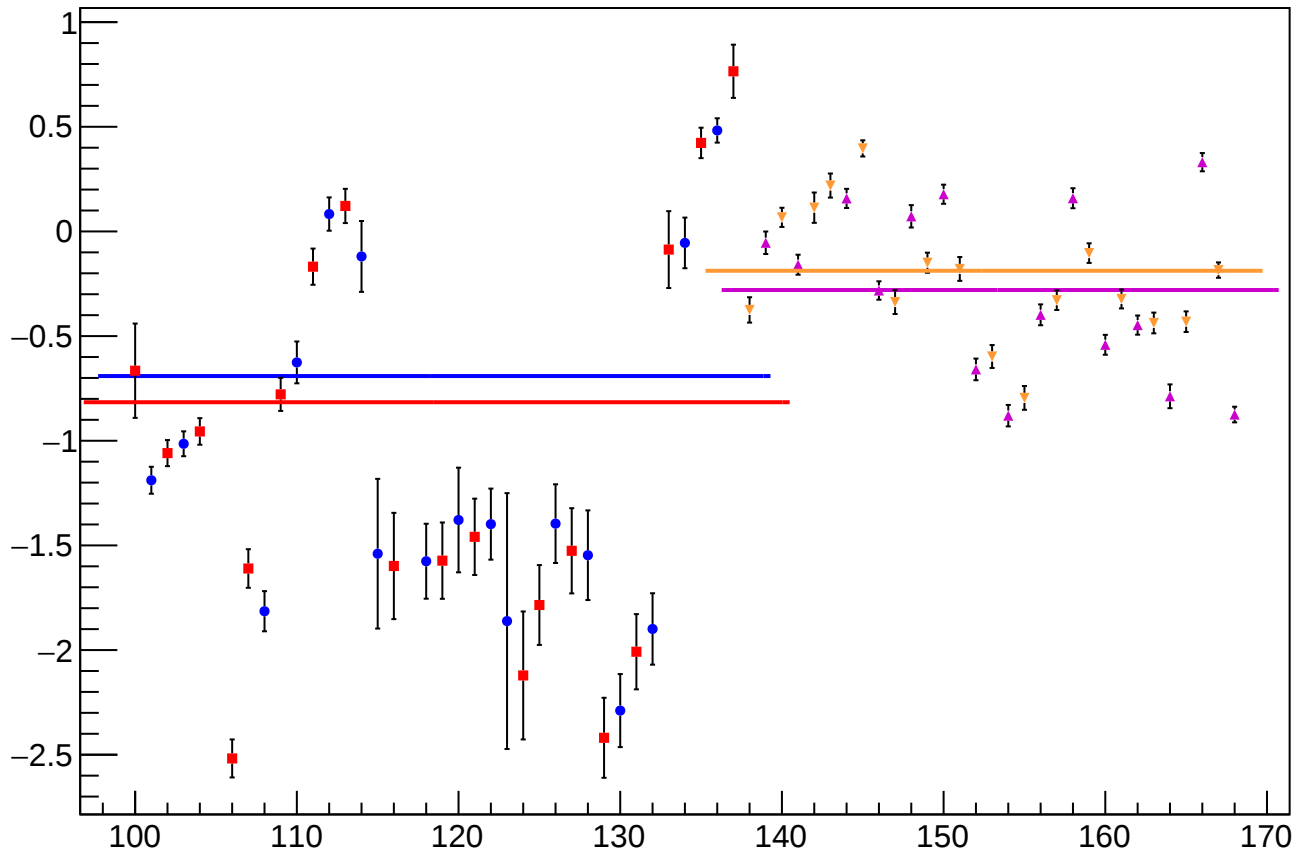
Left In: 115.467 $\pm$ 0.262 χ^2 /NDF: 1878.2/14

+ sign 117.057 $\pm$ 0.230 χ^2 /NDF: 7755.7/32

All: 115.350 $\pm$ 0.163 χ^2 /NDF: 17017.8/66

- sign 113.632 $\pm$ 0.231 χ^2 /NDF: 9151.7/33

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.188 ± 0.012 χ^2/NDF : 586.1/15

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

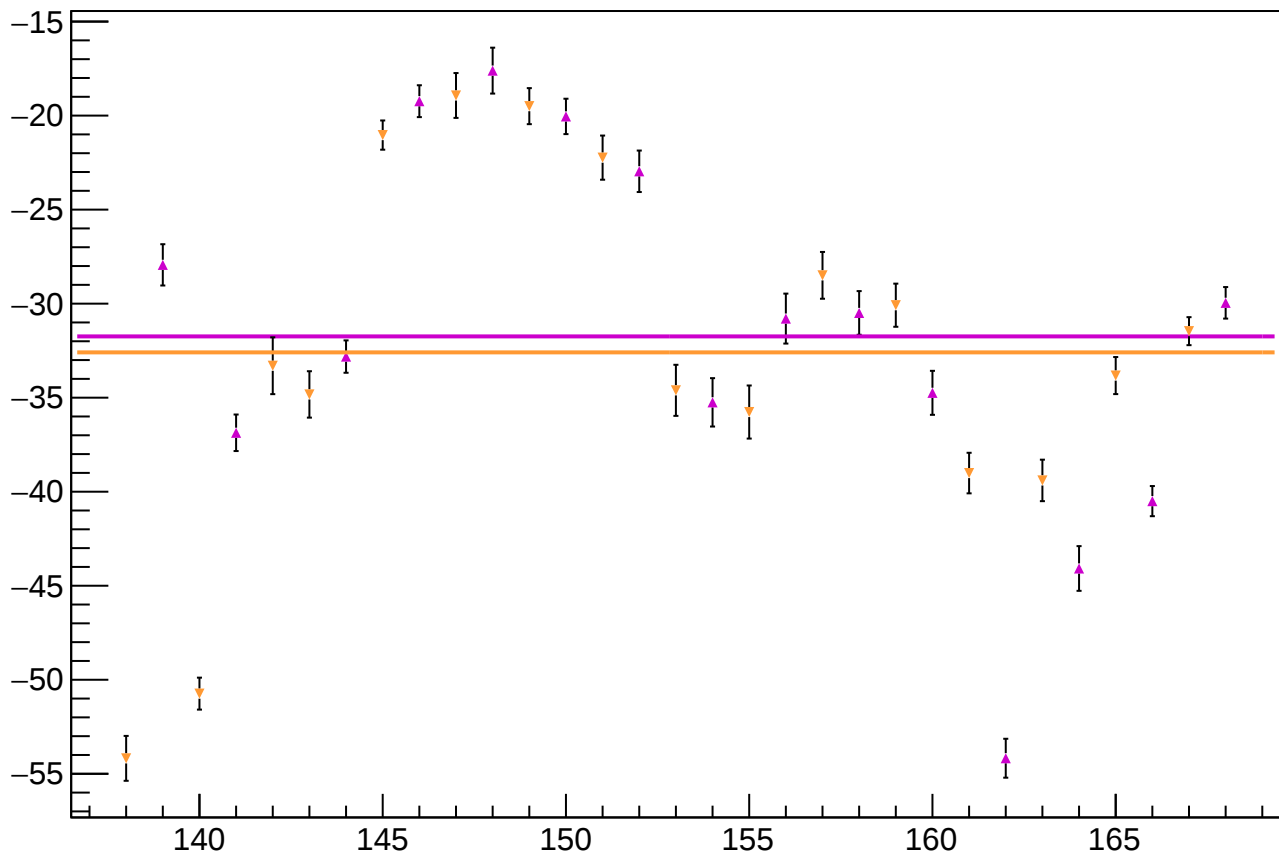
Left In: -0.280 ± 0.012 χ^2/NDF : 1113.1/14

+ sign -0.281 ± 0.011 χ^2/NDF : 1886.2/32

All: -0.336 ± 0.008 χ^2/NDF : 4736.8/66

- sign -0.388 ± 0.011 χ^2/NDF : 2804.1/33

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.591+/-0.264 χ^2/NDF :1503.9/15

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

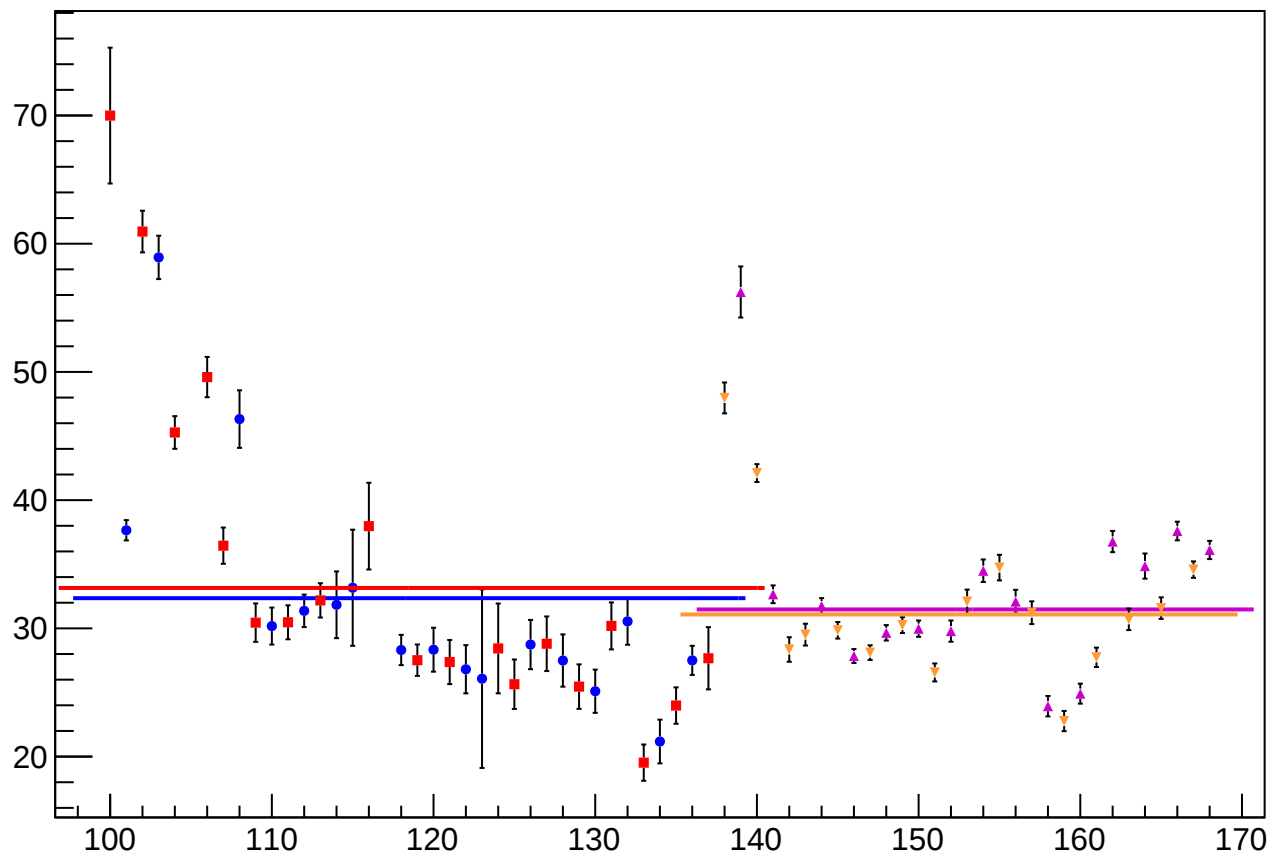
Left In: -31.741+/-0.262 χ^2/NDF :1328.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.163+/-0.186 χ^2/NDF : 2837.9/30

- 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 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 31.086 ± 0.191 $\chi^2/\text{NDF}: 708.5/15$

Right Out: 33.152 ± 0.379 $\chi^2/\text{NDF}: 772.0/18$

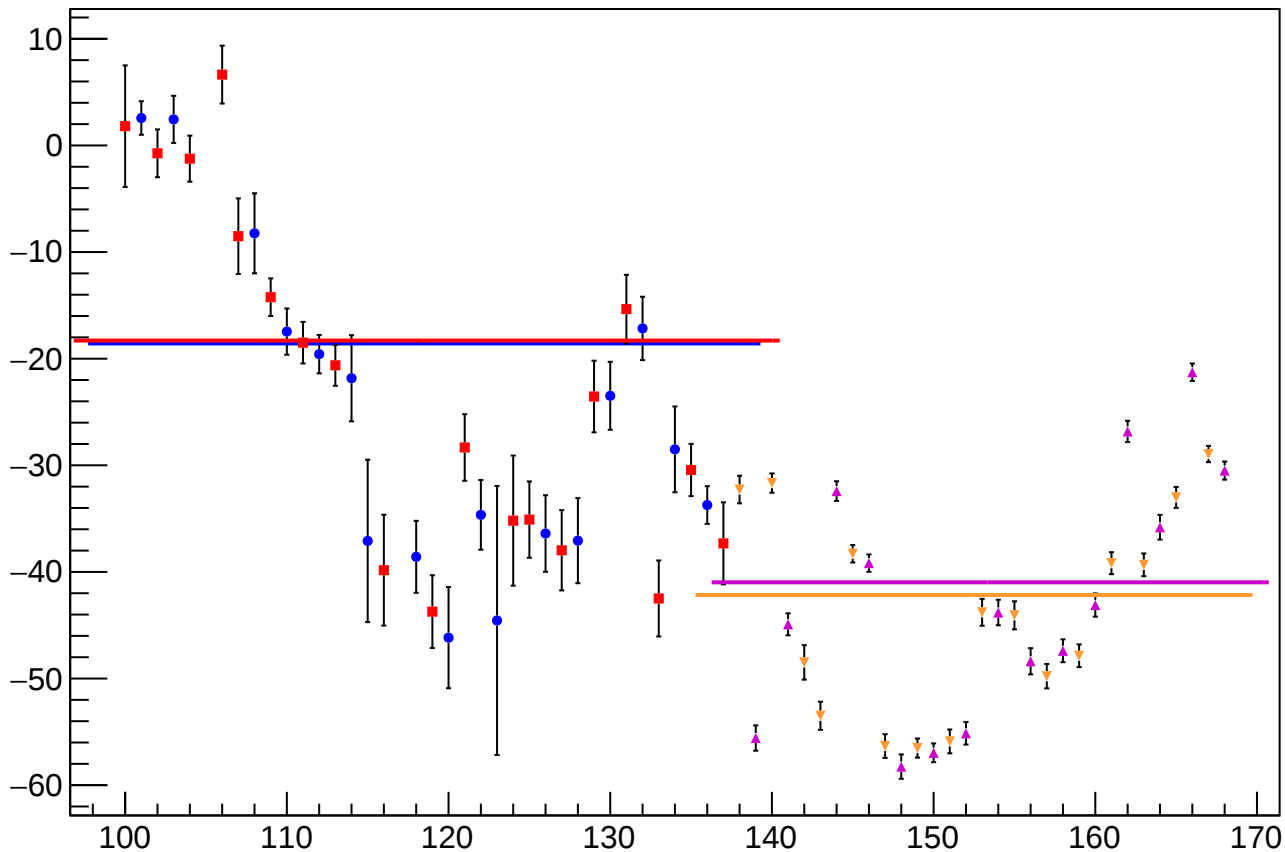
Left In: 31.477 ± 0.192 $\chi^2/\text{NDF}: 559.6/14$

+ sign 31.347 ± 0.170 $\chi^2/\text{NDF}: 1168.1/32$

All: 31.582 ± 0.121 $\chi^2/\text{NDF}: 2519.1/66$

- sign 31.820 ± 0.171 $\chi^2/\text{NDF}: 1347.2/33$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -42.169 ± 0.262 χ^2/NDF : 1353.5/15

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

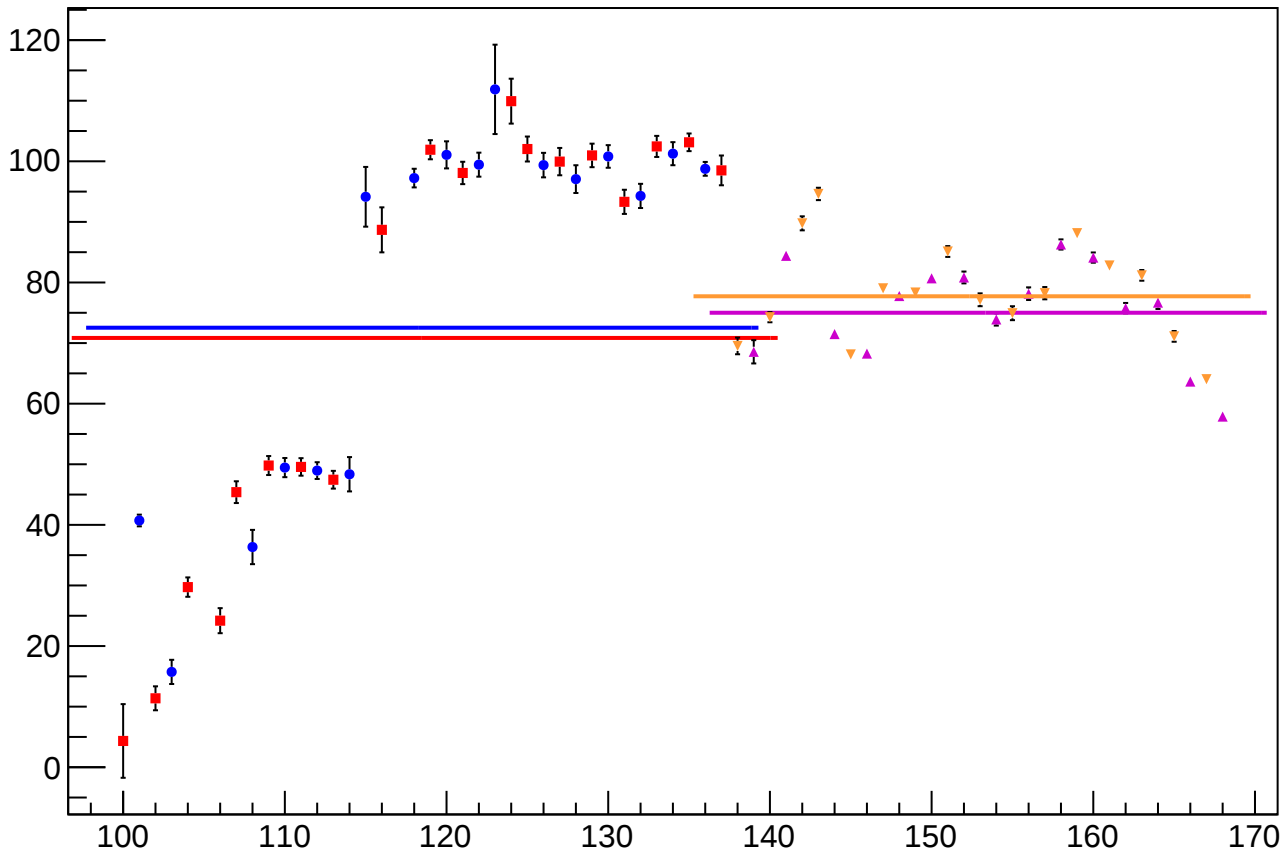
Left In: -40.974 ± 0.258 χ^2/NDF : 2033.2/14

+ sign -39.016 ± 0.244 χ^2/NDF : 2947.8/32

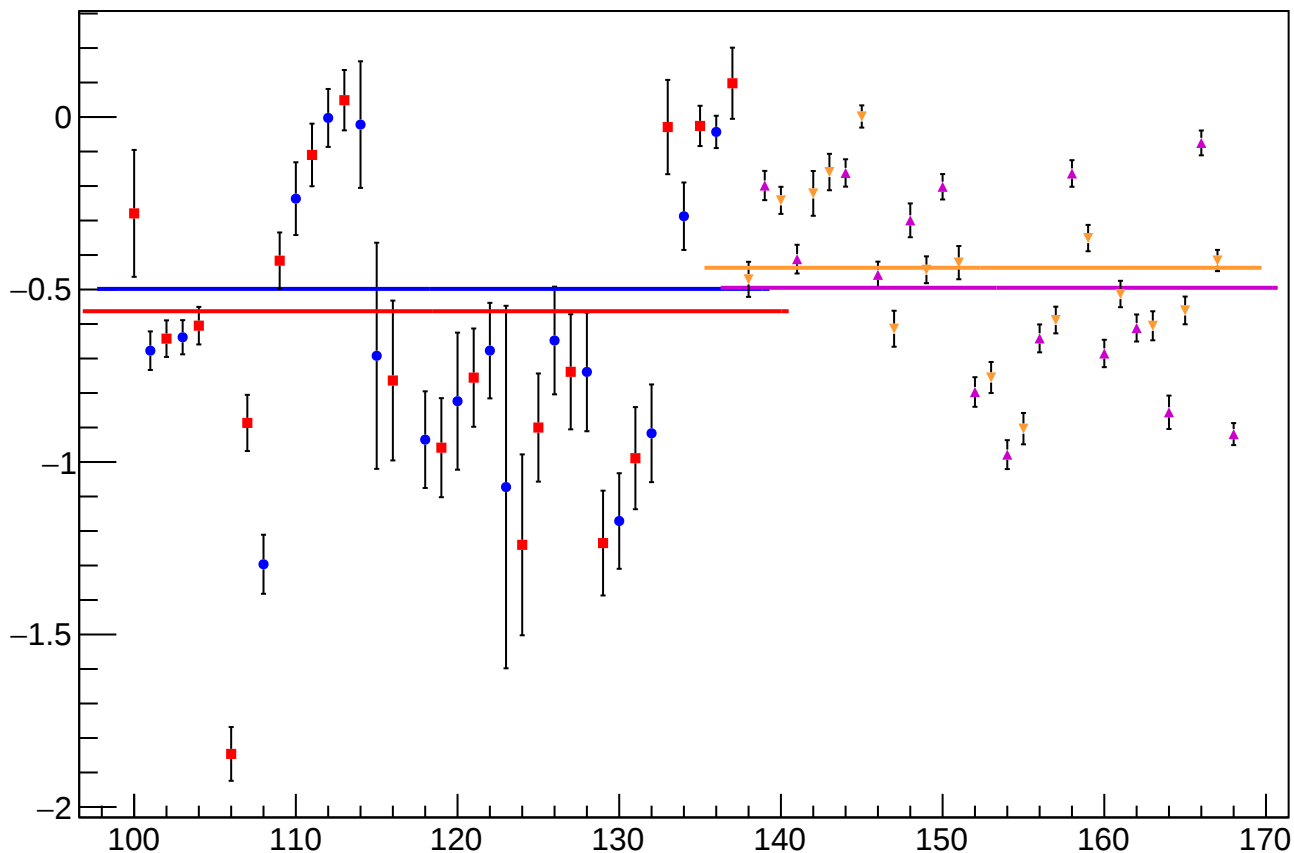
All: -38.414 ± 0.171 χ^2/NDF : 6534.8/66

- sign -37.832 ± 0.240 χ^2/NDF : 3575.0/33

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



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: -0.437 $\pm$ 0.010 χ^2/NDF : 466.7/15

Right Out: -0.563 $\pm$ 0.021 χ^2/NDF : 560.8/18

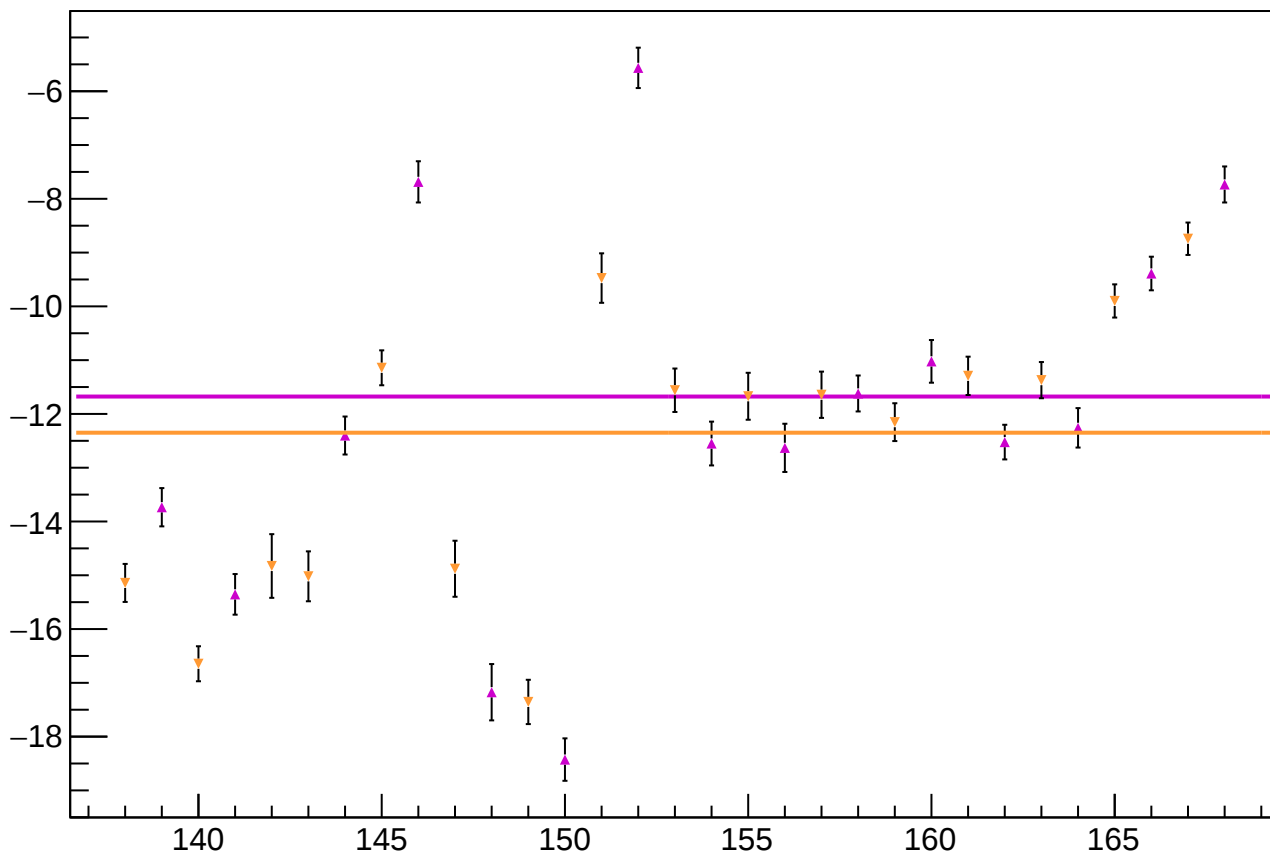
Left In: -0.495 $\pm$ 0.010 χ^2/NDF : 873.5/14

+ sign -0.448 $\pm$ 0.009 χ^2/NDF : 775.7/32

All: -0.478 $\pm$ 0.007 χ^2/NDF : 2238.7/66

- sign -0.508 $\pm$ 0.009 χ^2/NDF : 1442.4/33

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: -12.349+/-0.095 χ^2/NDF : 744.3/15

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

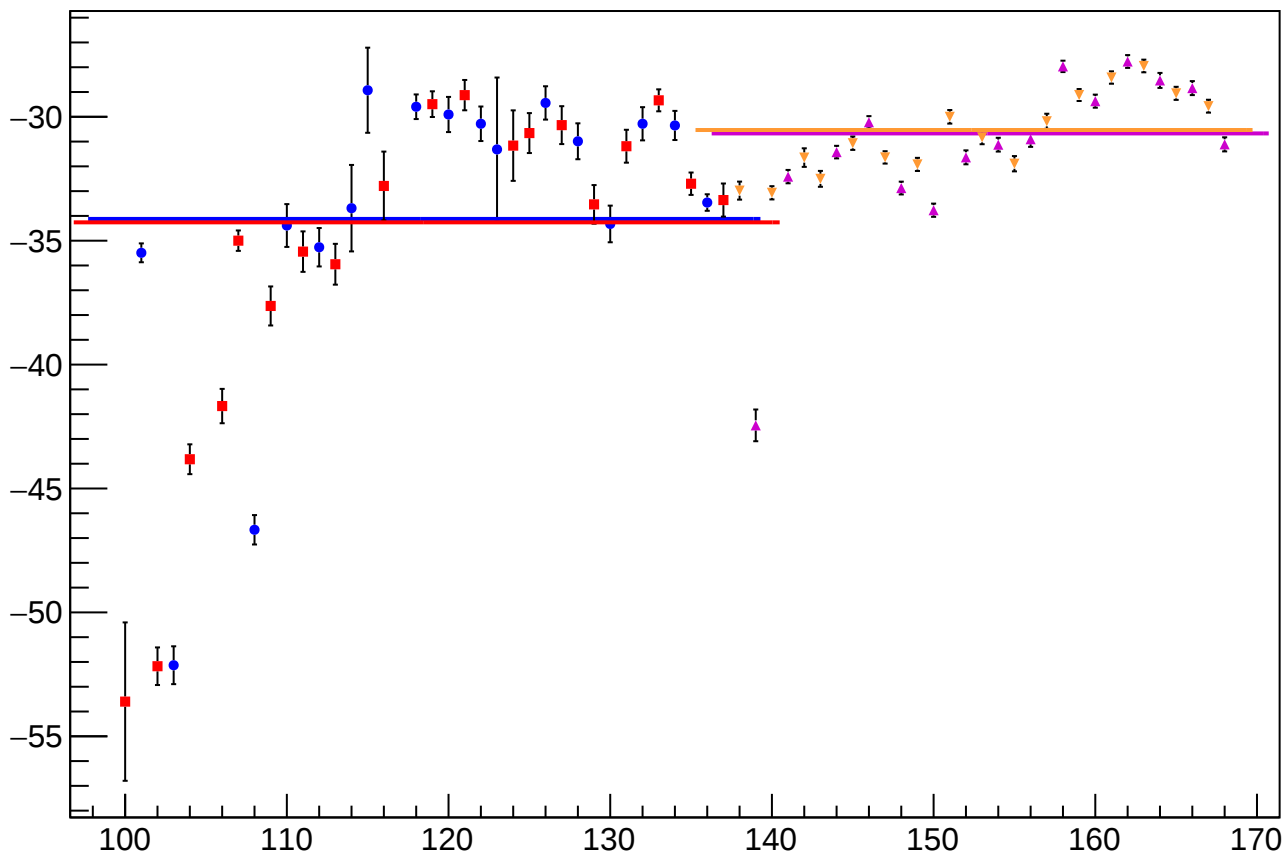
Left In: -11.677+/-0.096 χ^2/NDF : 1122.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.017+/-0.067 χ^2/NDF : 1891.4/30

- 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: -30.533 ± 0.069 χ^2/NDF : 510.8/15

Right Out: -34.260 ± 0.151 χ^2/NDF : 1354.9/18

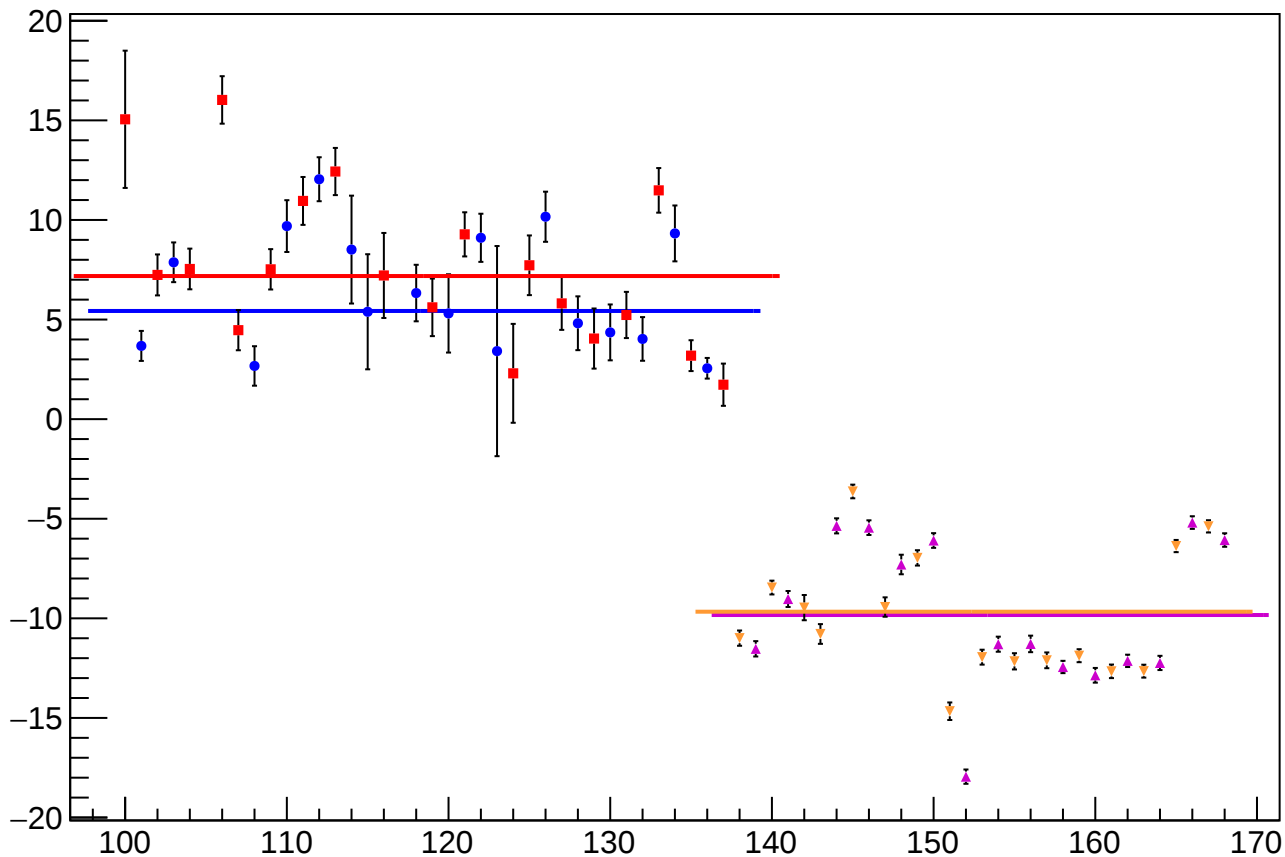
Left In: -30.671 ± 0.071 χ^2/NDF : 997.6/14

+ sign -31.155 ± 0.063 χ^2/NDF : 2295.3/32

All: -31.238 ± 0.045 χ^2/NDF : 5114.3/66

- sign -31.325 ± 0.064 χ^2/NDF : 2815.4/33

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: -9.667 ± 0.093 χ^2/NDF : 1146.2/15

Right Out: 7.185 ± 0.274 χ^2/NDF : 182.1/18

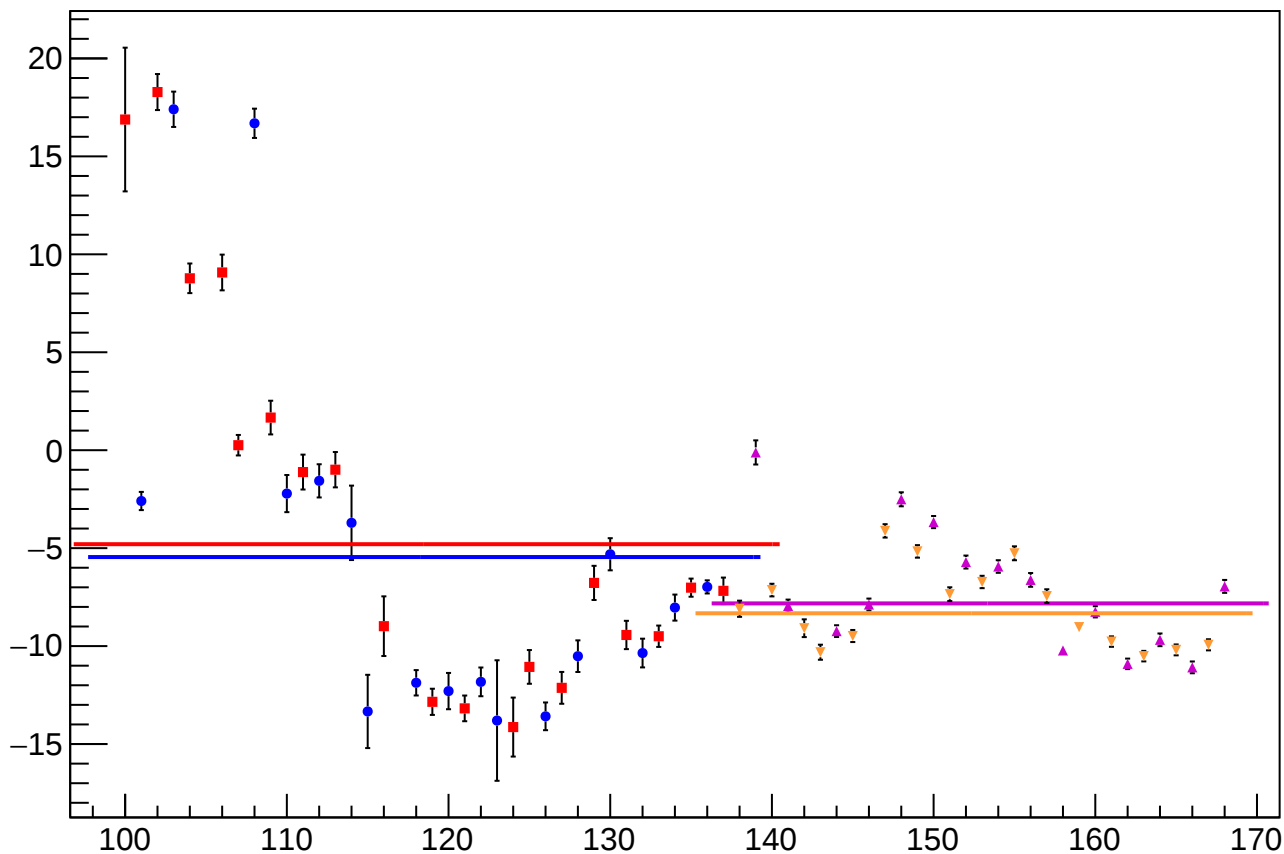
Left In: -9.834 ± 0.094 χ^2/NDF : 1548.6/14

+ sign -8.056 ± 0.088 χ^2/NDF : 4063.2/32

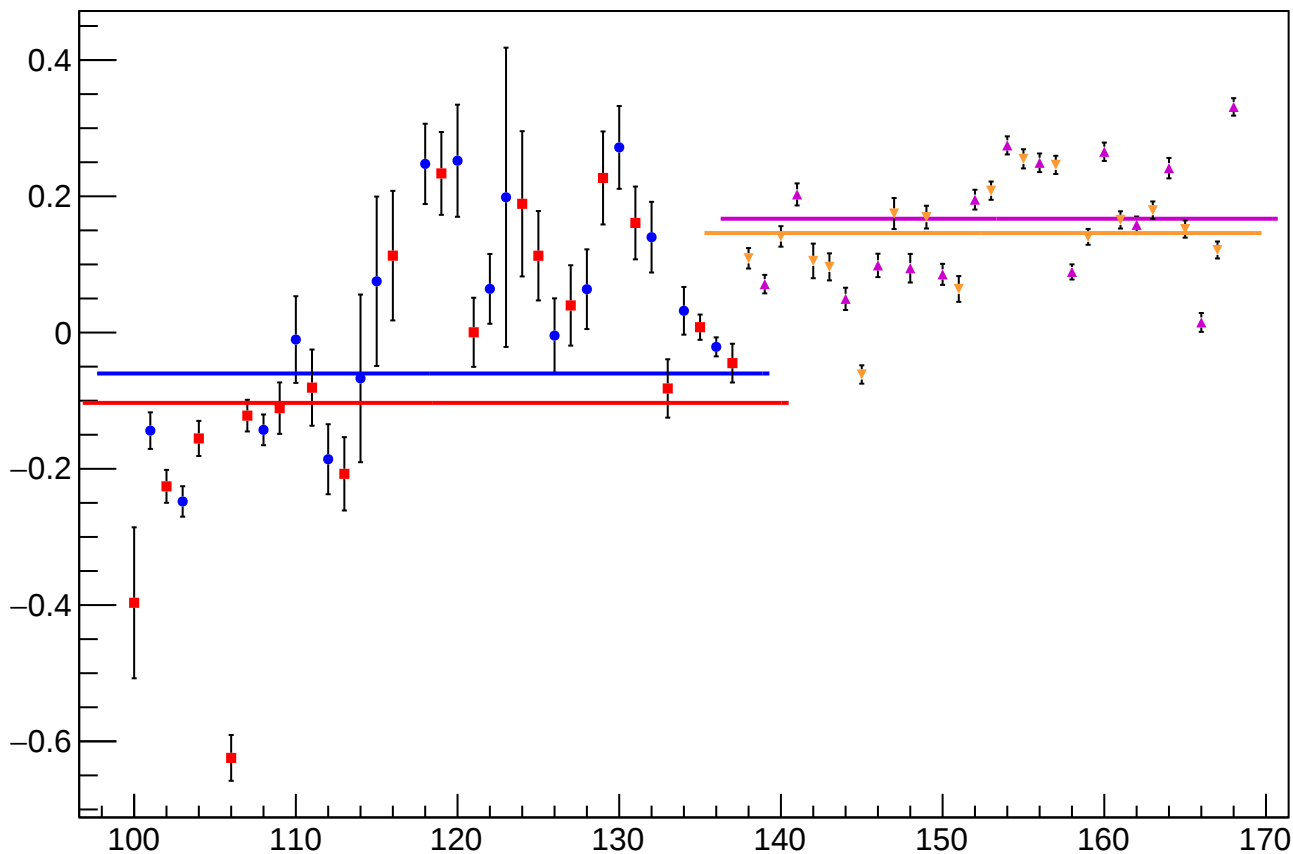
All: -8.057 ± 0.063 χ^2/NDF : 9238.2/66

- sign -8.058 ± 0.089 χ^2/NDF : 5175.0/33

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



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: 0.146 ± 0.004 χ^2/NDF : 426.9/15

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

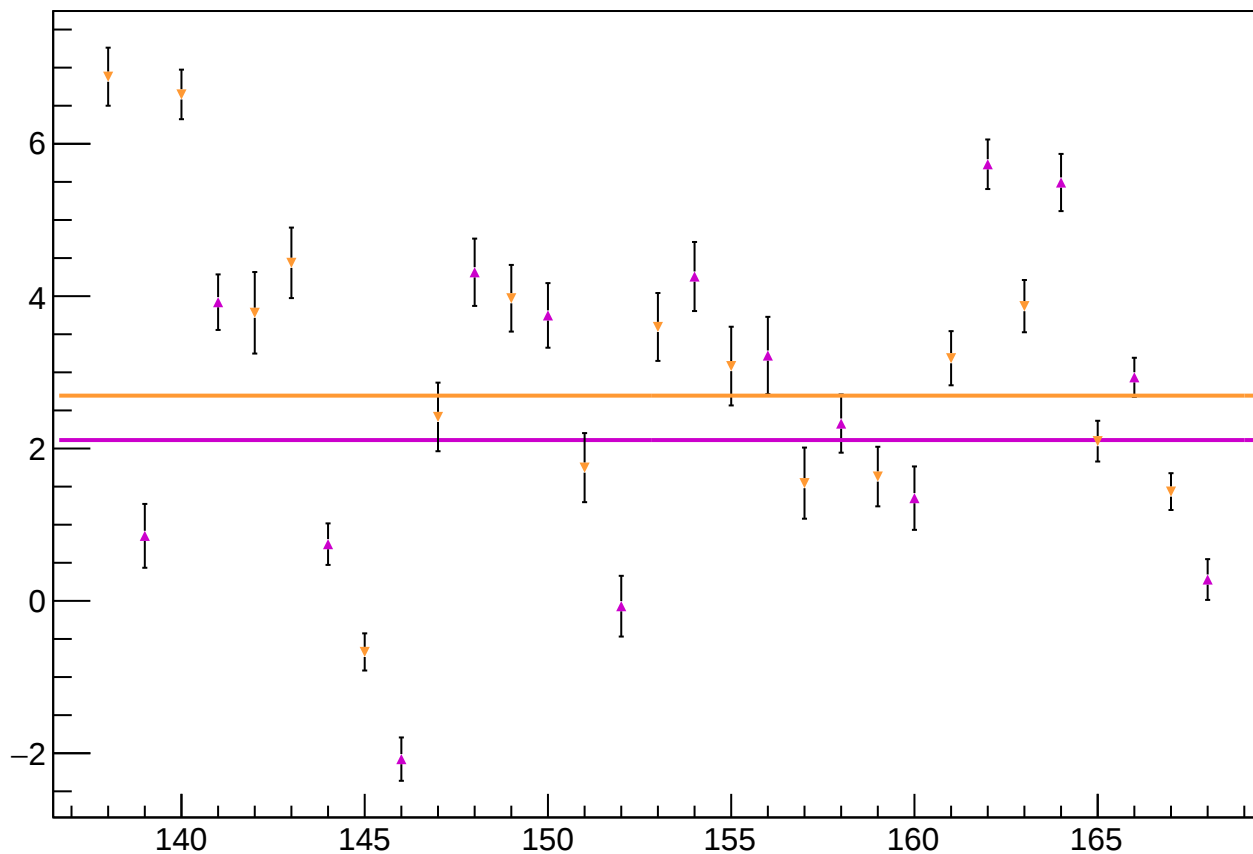
Left In: 0.167 ± 0.004 χ^2/NDF : 680.7/14

+ sign 0.113 ± 0.003 χ^2/NDF : 1149.0/32

All: 0.119 ± 0.002 χ^2/NDF : 3132.9/66

- sign 0.124 ± 0.003 χ^2/NDF : 1978.7/33

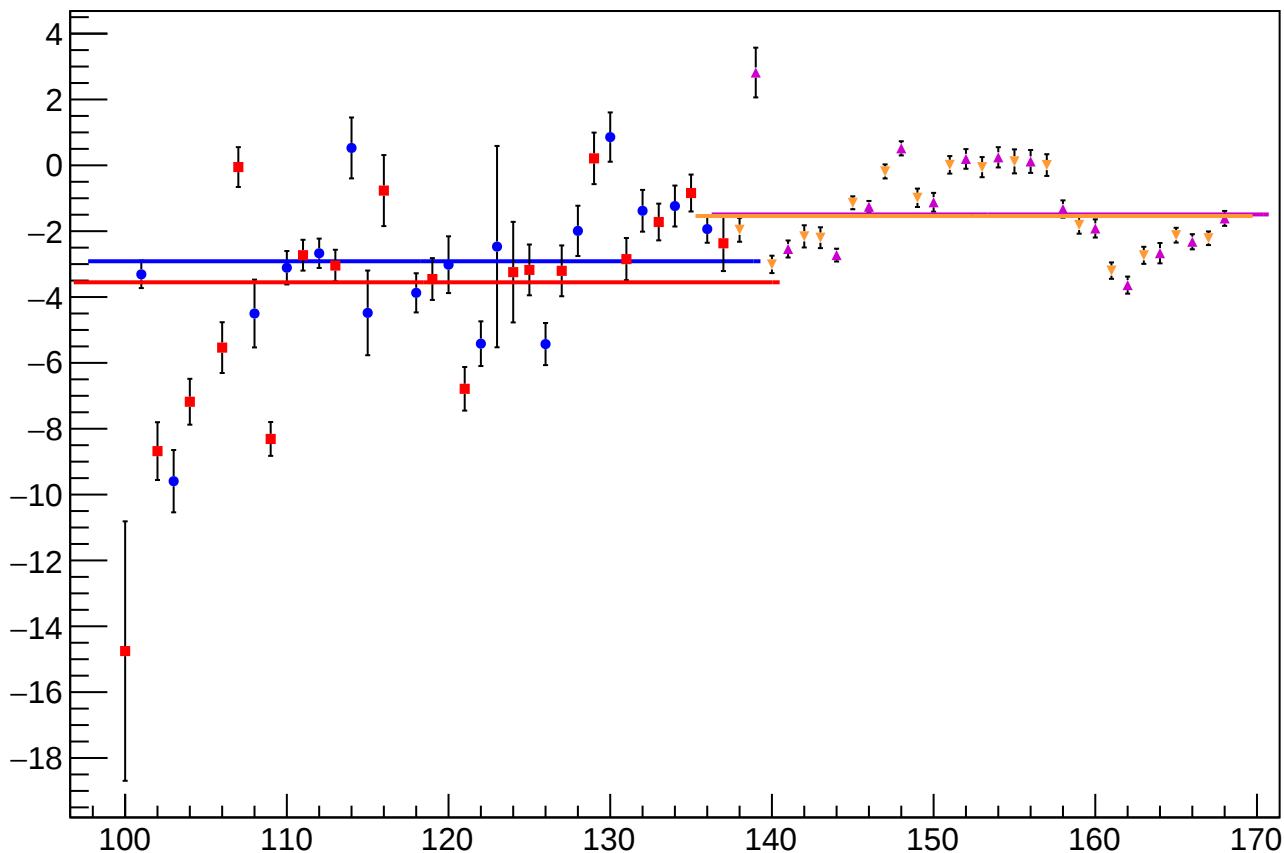
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.694 $\pm$ 0.090 χ^2 /NDF:554.3/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.111 $\pm$ 0.090 χ^2 /NDF:638.1/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 2.403 $\pm$ 0.064 χ^2 /NDF: 1213.4/30
 - 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 $\chi^2/\text{NDF}: 146.1/16$

Left Out: -1.540 ± 0.066 $\chi^2/\text{NDF}: 272.4/15$

Right Out: -3.553 ± 0.155 $\chi^2/\text{NDF}: 290.9/18$

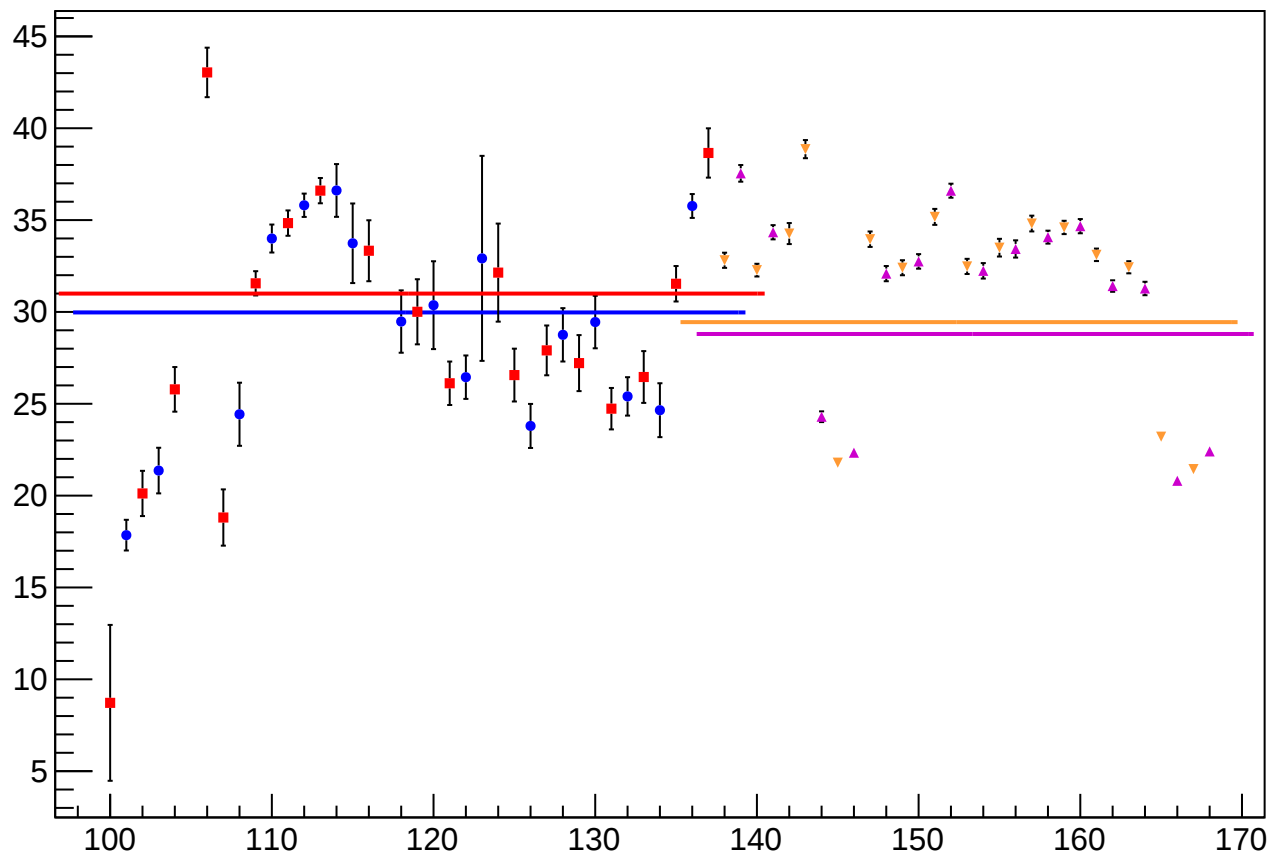
Left In: -1.492 ± 0.066 $\chi^2/\text{NDF}: 363.8/14$

+ sign -1.750 ± 0.061 $\chi^2/\text{NDF}: 485.2/32$

All: -1.779 ± 0.043 $\chi^2/\text{NDF}: 1290.9/66$

- sign -1.807 ± 0.061 $\chi^2/\text{NDF}: 805.2/33$

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: 29.445 $\pm$ 0.090 χ^2 /NDF: 4055.3/15

Right Out: 30.999 $\pm$ 0.260 χ^2 /NDF: 479.5/18

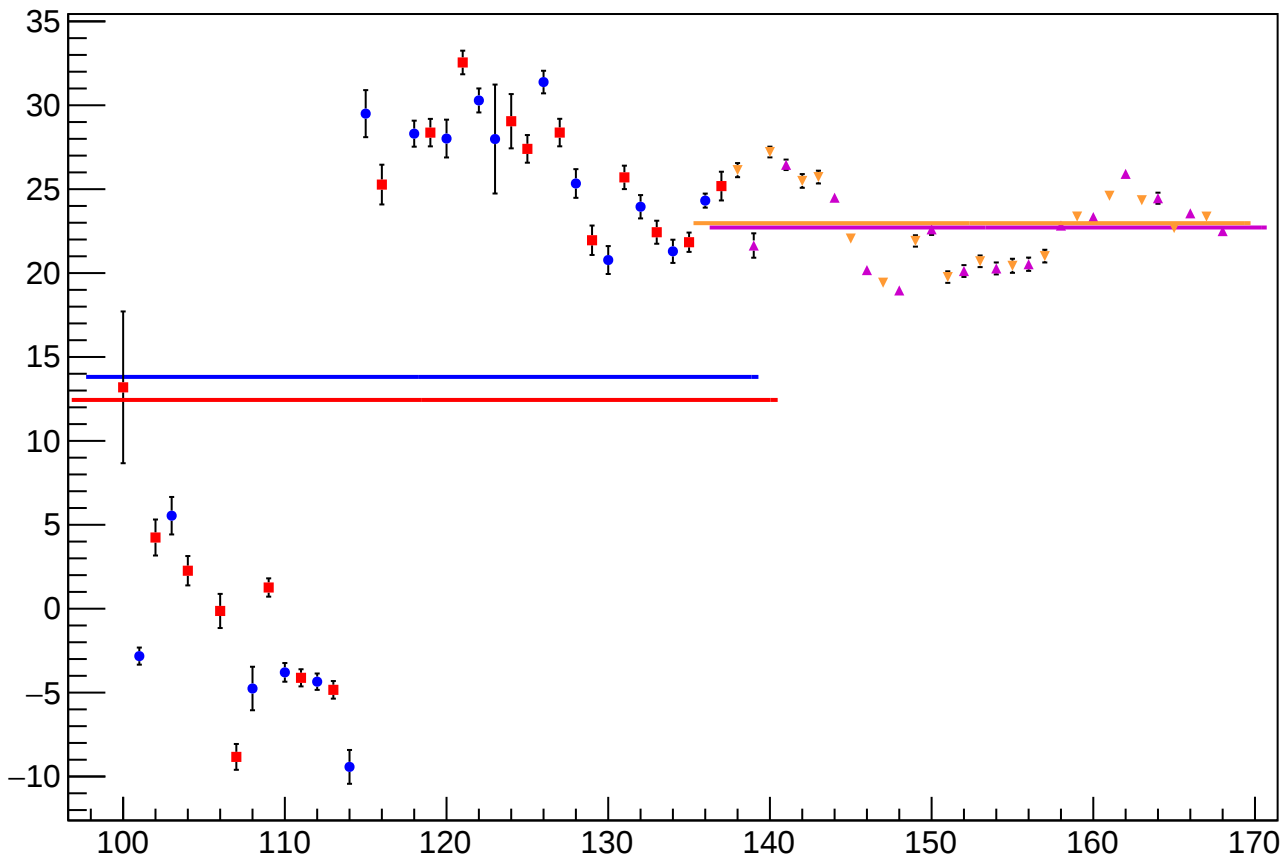
Left In: 28.799 $\pm$ 0.089 χ^2 /NDF: 4183.6/14

+ sign 29.498 $\pm$ 0.085 χ^2 /NDF: 4613.1/32

All: 29.261 $\pm$ 0.060 χ^2 /NDF: 9355.7/66

- sign 29.029 $\pm$ 0.084 χ^2 /NDF: 4727.1/33

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: 22.974 $\pm$ 0.076 χ^2 /NDF: 755.6/15

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

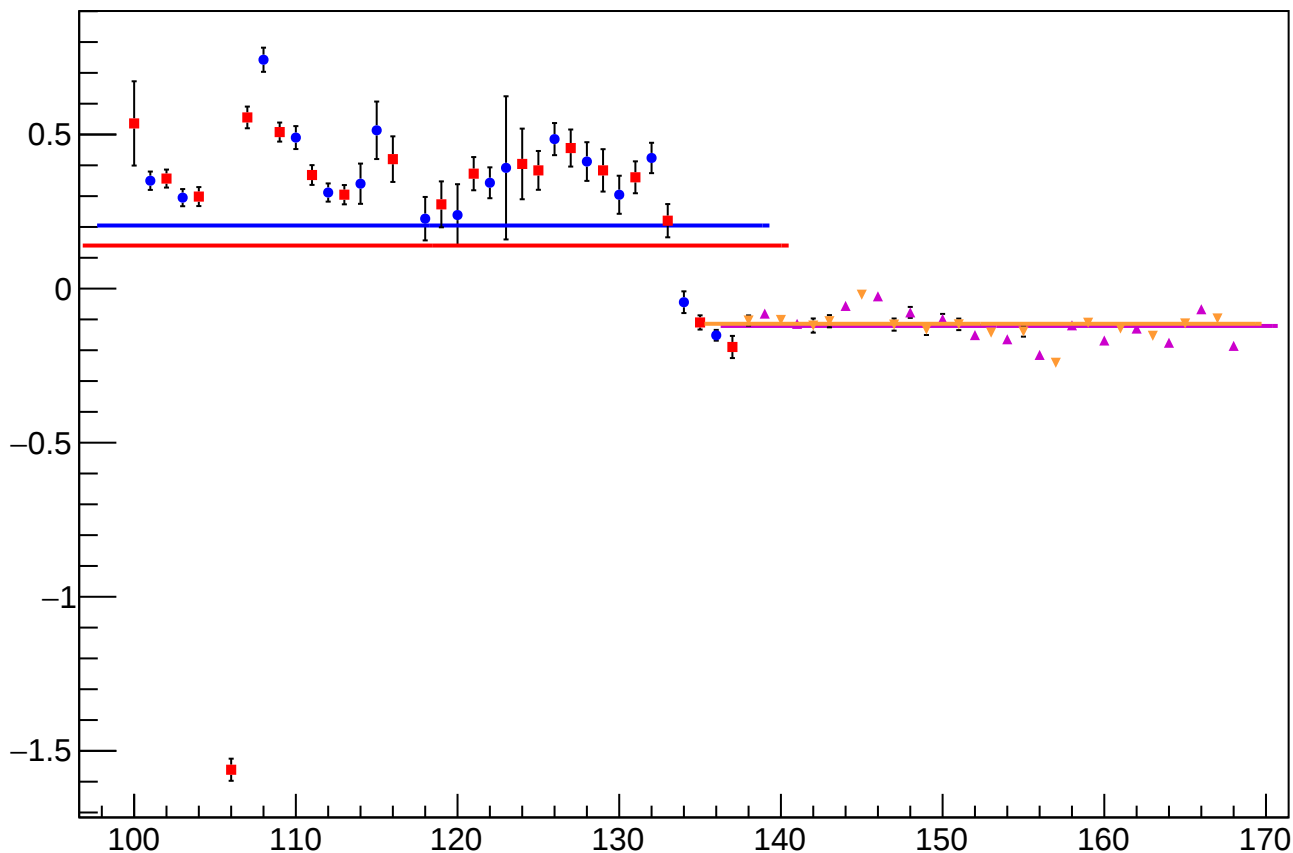
Left In: 22.716 $\pm$ 0.076 χ^2 /NDF: 809.8/14

+ sign 21.498 $\pm$ 0.069 χ^2 /NDF: 10435.7/32

All: 21.279 $\pm$ 0.049 χ^2 /NDF: 21169.5/66

- sign 21.057 $\pm$ 0.070 χ^2 /NDF: 10713.6/33

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.009 χ^2 /NDF: 845.8/16

Left Out: -0.114 $\pm$ 0.004 χ^2 /NDF:184.1/15

Right Out: 0.140 $\pm$ 0.009 χ^2 /NDF: 3014.2/18

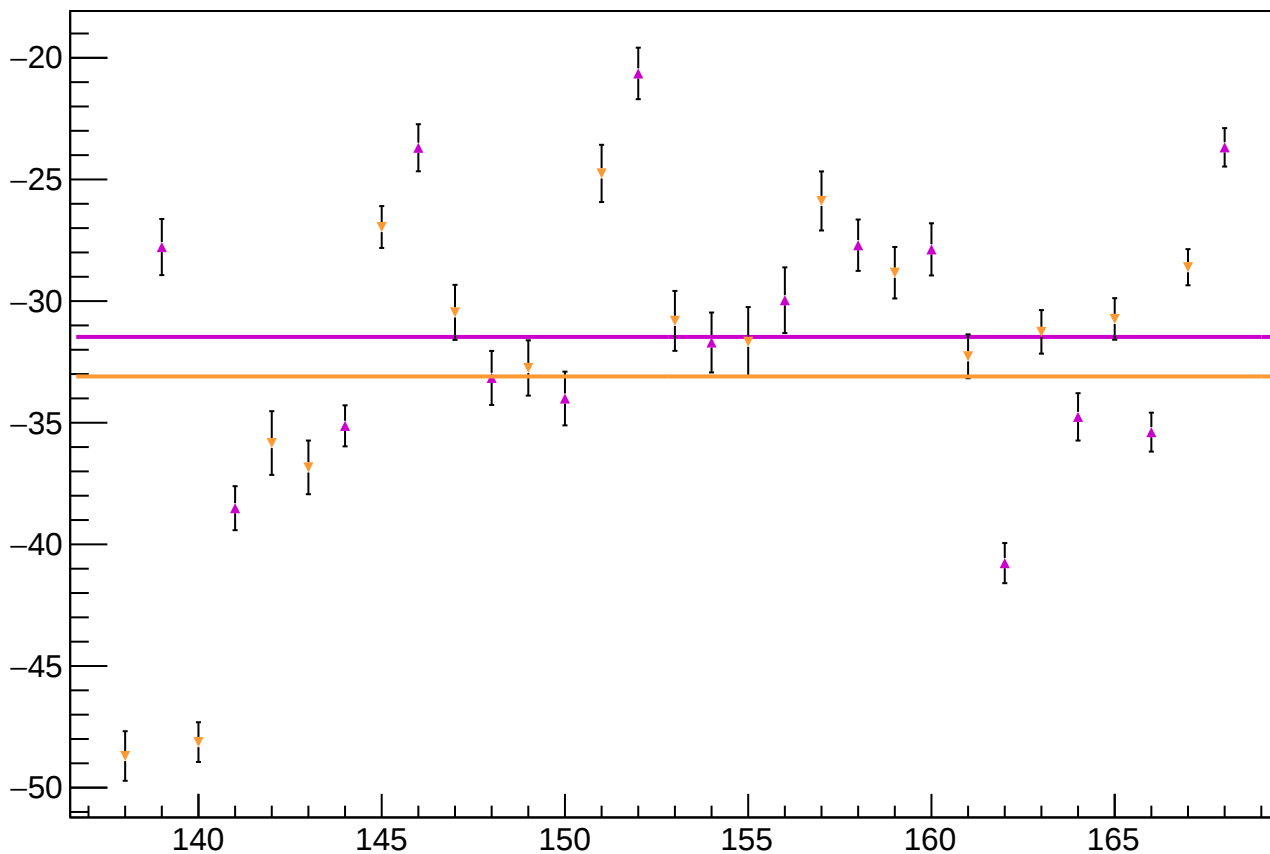
Left In: -0.121 $\pm$ 0.004 χ^2 /NDF:234.5/14

+ sign -0.075 $\pm$ 0.003 χ^2 /NDF: 2043.5/32

All: -0.081 $\pm$ 0.002 χ^2 /NDF: 5998.6/66

- sign -0.088 $\pm$ 0.003 χ^2 /NDF: 3947.5/33

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: -33.097+/-0.251 χ^2/NDF : 801.0/15

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

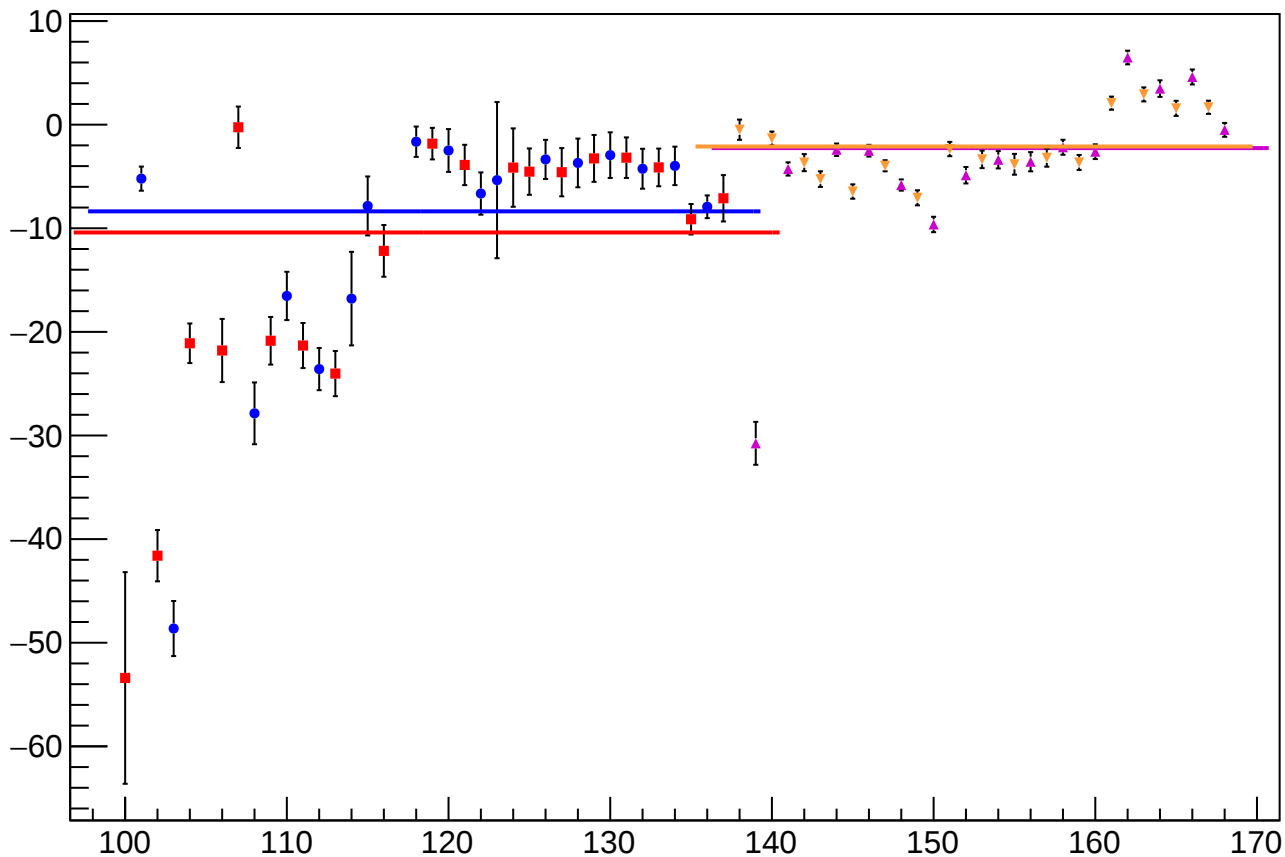
Left In: -31.473+/-0.253 χ^2/NDF : 551.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.291+/-0.178 χ^2/NDF : 1373.2/30

- 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: -2.108 ± 0.180 χ^2/NDF : 293.1/15

Right Out: -10.405 ± 0.491 χ^2/NDF : 430.3/18

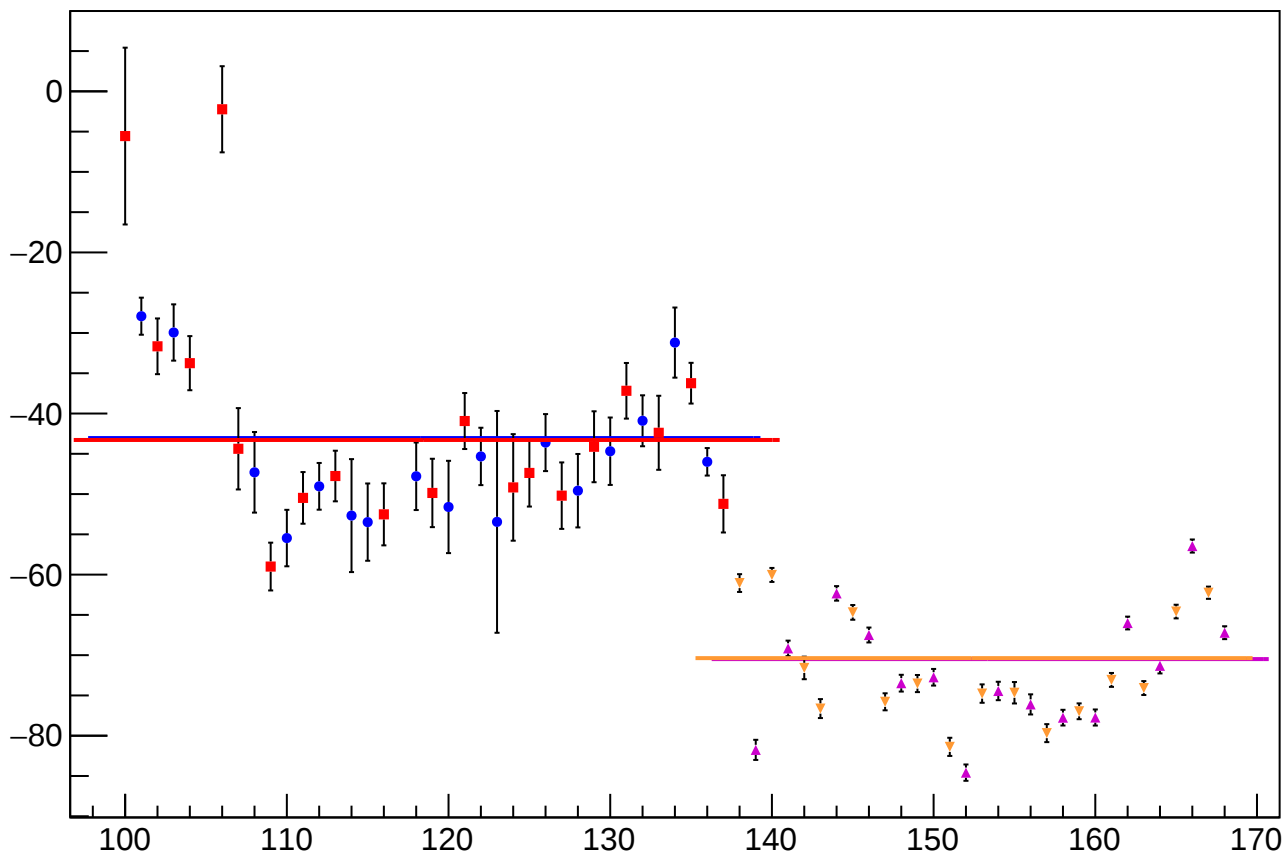
Left In: -2.262 ± 0.183 χ^2/NDF : 680.9/14

+ sign -2.923 ± 0.168 χ^2/NDF : 858.8/32

All: -3.086 ± 0.120 χ^2/NDF : 2213.5/66

- sign -3.255 ± 0.171 χ^2/NDF : 1352.7/33

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: -70.368 ± 0.249 χ^2/NDF : 739.5/15

Right Out: -43.282 ± 0.867 χ^2/NDF : 154.4/18

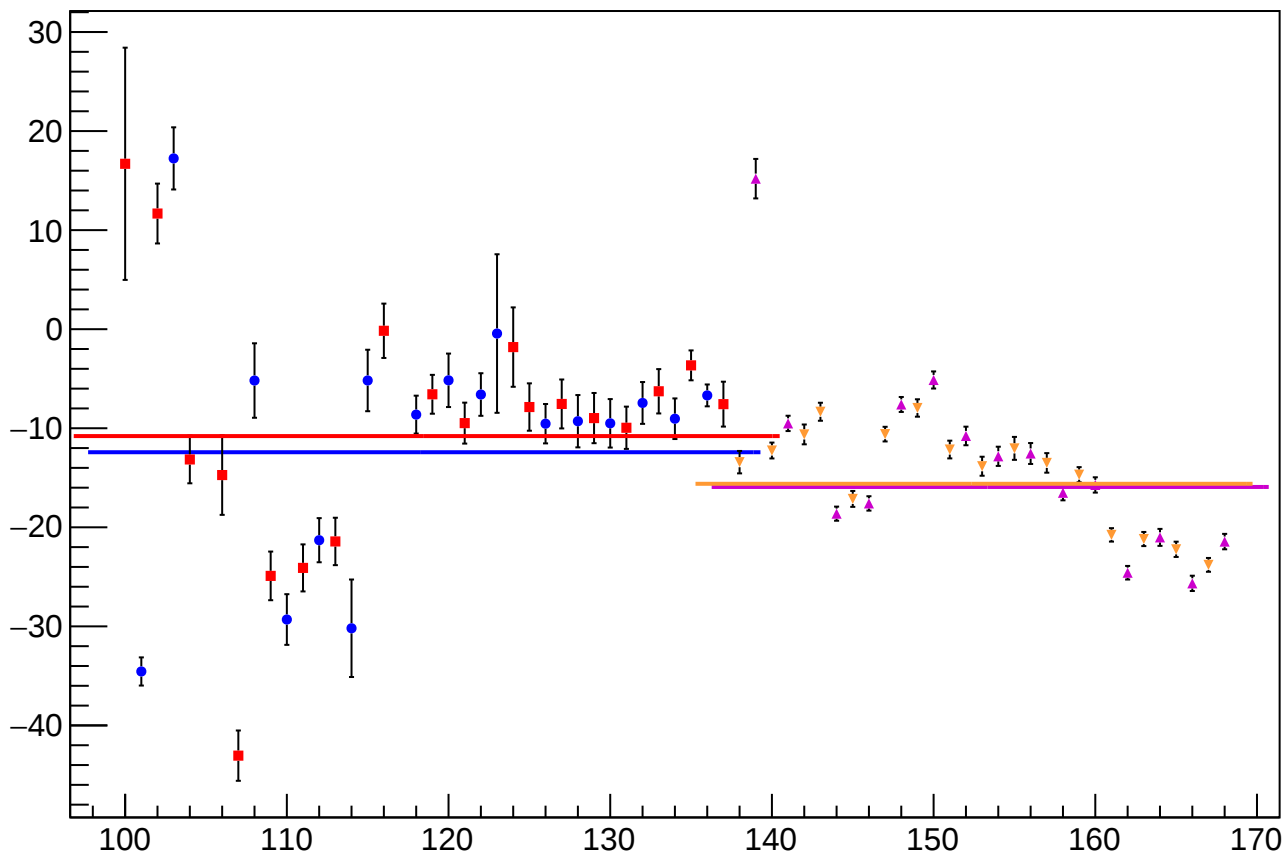
Left In: -70.487 ± 0.249 χ^2/NDF : 869.4/14

+ sign -68.146 ± 0.239 χ^2/NDF : 1816.7/32

All: -68.283 ± 0.169 χ^2/NDF : 3750.5/66

- sign -68.421 ± 0.239 χ^2/NDF : 1933.2/33

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: -15.607 ± 0.209 χ^2/NDF : 599.4/15

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

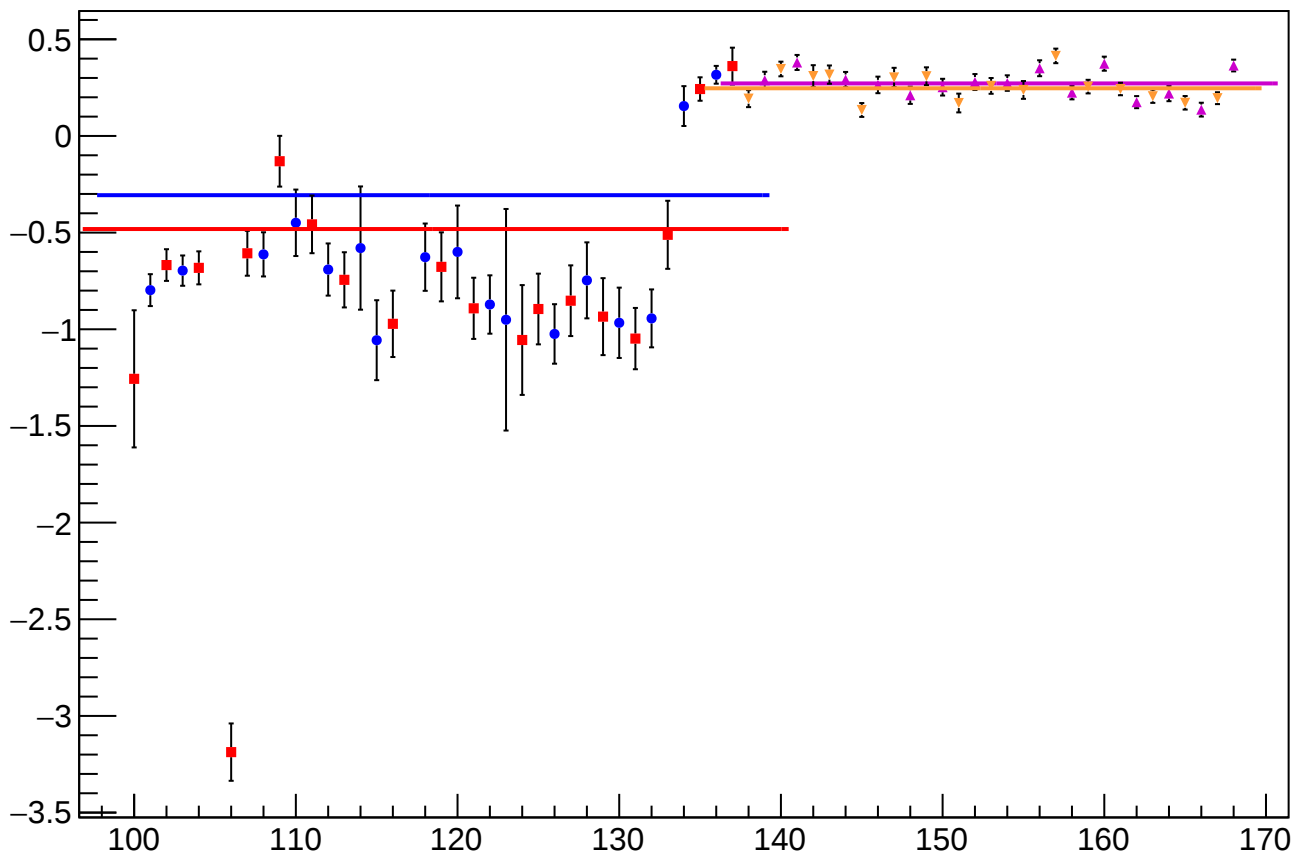
Left In: -15.927 ± 0.212 χ^2/NDF : 1064.6/14

+ sign -15.169 ± 0.194 χ^2/NDF : 1105.8/32

All: -15.218 ± 0.139 χ^2/NDF : 2611.3/66

- sign -15.269 ± 0.198 χ^2/NDF : 1505.4/33

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.306 $\pm$ 0.028 χ^2/NDF : 371.7/16

Left Out: 0.247 $\pm$ 0.010 χ^2/NDF :56.0/15

Right Out: -0.481 $\pm$ 0.029 χ^2/NDF : 628.3/18

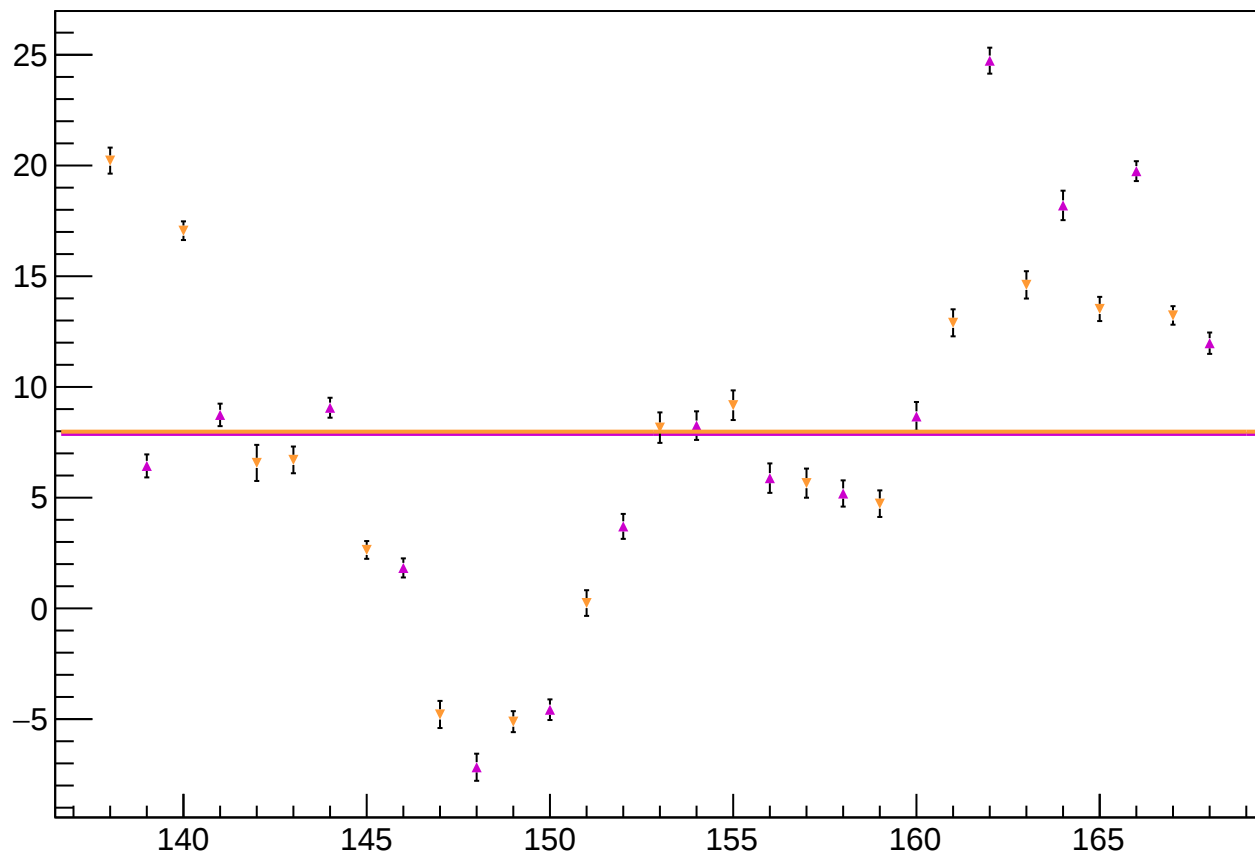
Left In: 0.272 $\pm$ 0.010 χ^2/NDF :58.6/14

+ sign 0.184 $\pm$ 0.009 χ^2/NDF : 784.5/32

All: 0.188 $\pm$ 0.007 χ^2/NDF : 2091.7/66

- sign 0.192 $\pm$ 0.009 χ^2/NDF : 1306.8/33

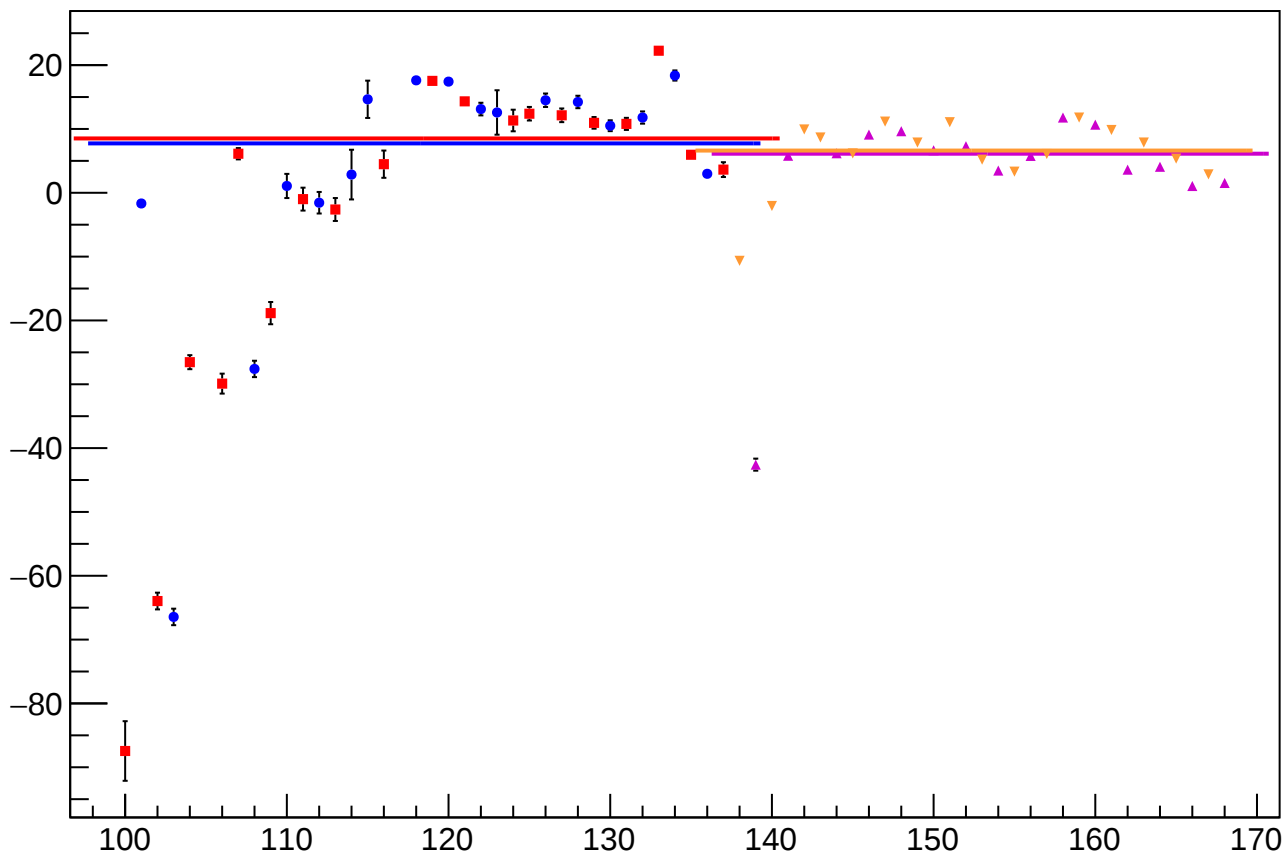
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.981+/-0.138 χ^2/NDF :2943.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.879+/-0.138 χ^2/NDF :3458.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 7.930+/-0.097 χ^2/NDF : 6401.6/30
 - sign 0.000+/-0.000 χ^2/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: 6.615 ± 0.099 χ^2/NDF : 2338.6/15

Right Out: 8.514 ± 0.213 χ^2/NDF : 6719.4/18

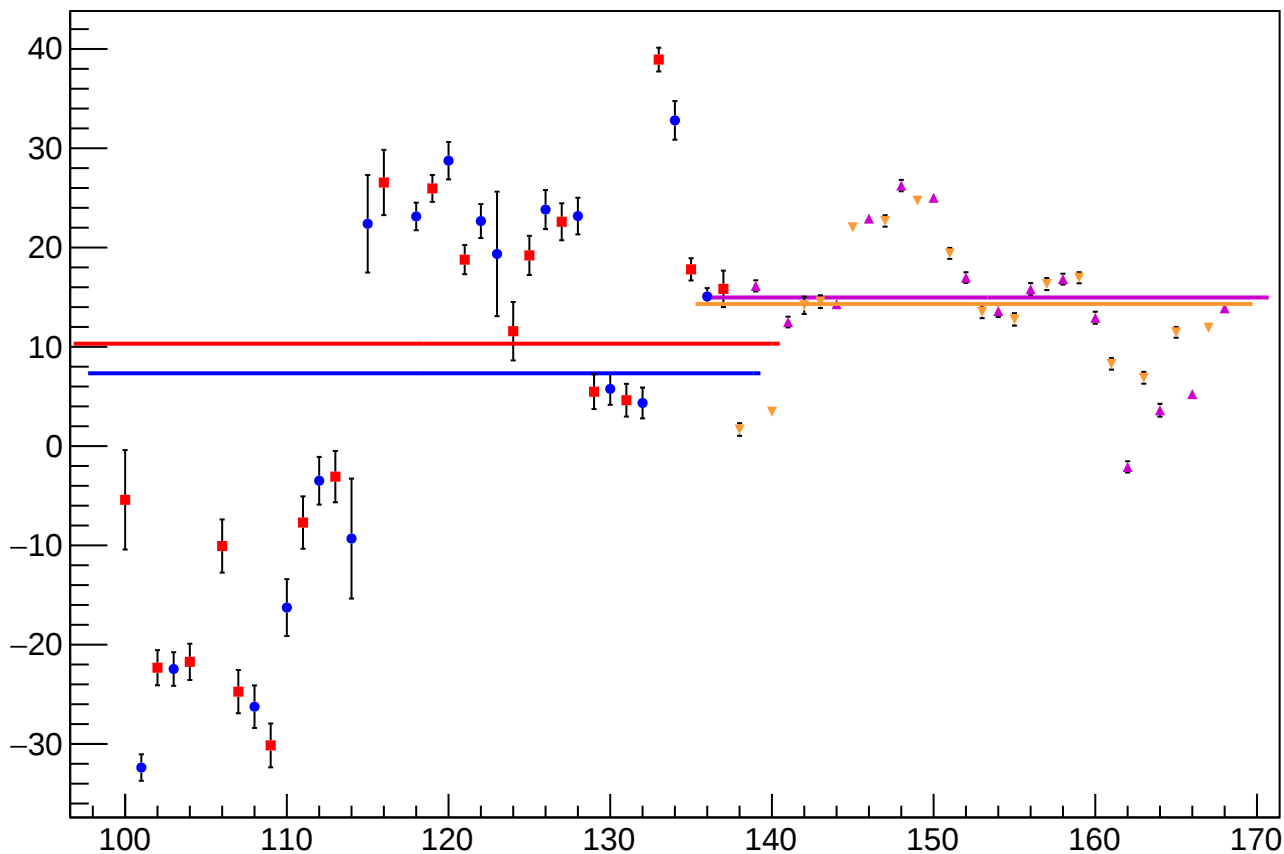
Left In: 6.123 ± 0.101 χ^2/NDF : 3586.3/14

+ sign 6.806 ± 0.090 χ^2/NDF : 7661.2/32

All: 6.683 ± 0.064 χ^2/NDF : 18073.6/66

- sign 6.557 ± 0.091 χ^2/NDF : 10408.6/33

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: 14.318 ± 0.136 χ^2/NDF : 2519.9/15

Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18

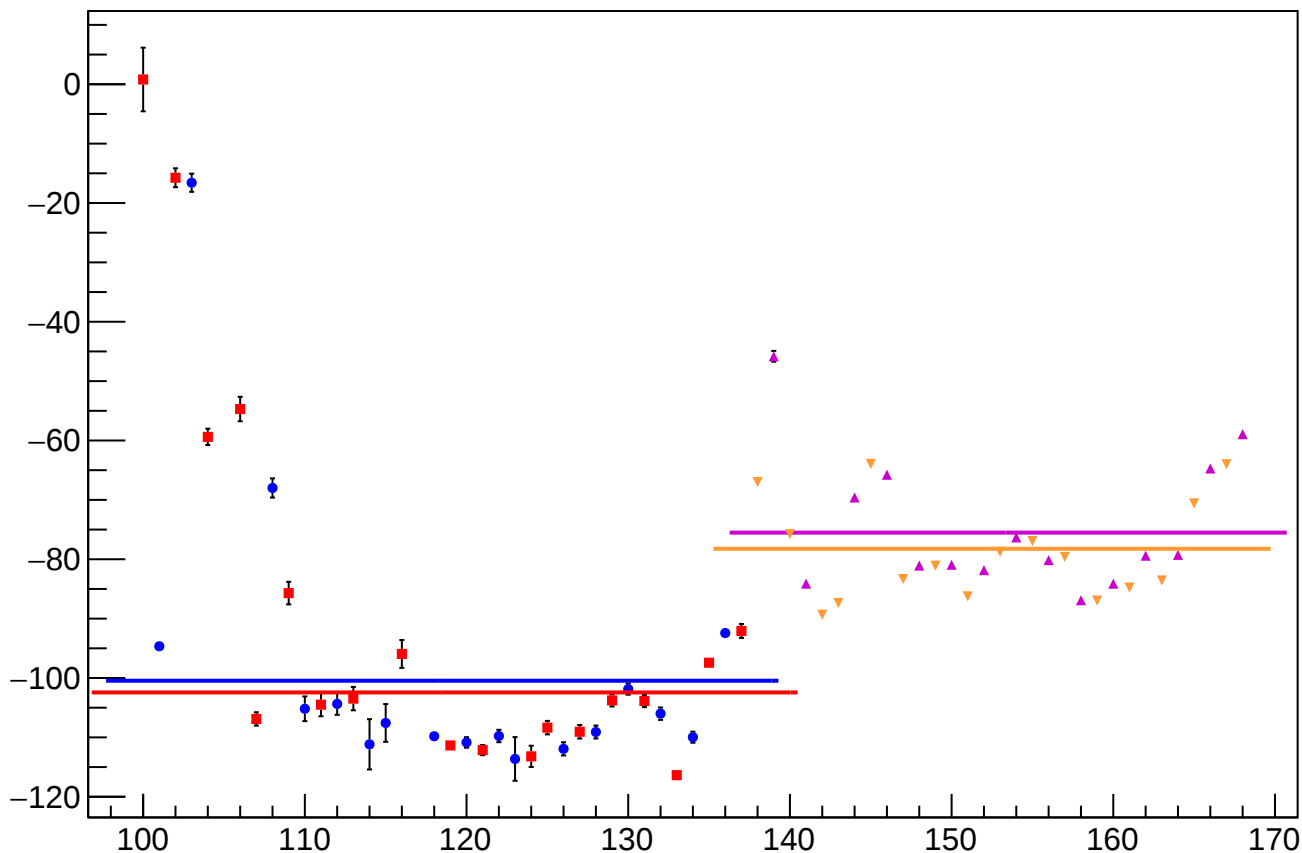
Left In: 14.971 ± 0.136 χ^2/NDF : 3034.9/14

+ sign 13.647 ± 0.130 χ^2/NDF : 5064.7/32

All: 14.089 ± 0.091 χ^2/NDF : 10516.9/66

- sign 14.526 ± 0.129 χ^2/NDF : 5429.1/33

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: -78.236 ± 0.115 χ^2/NDF : 5226.3/15

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

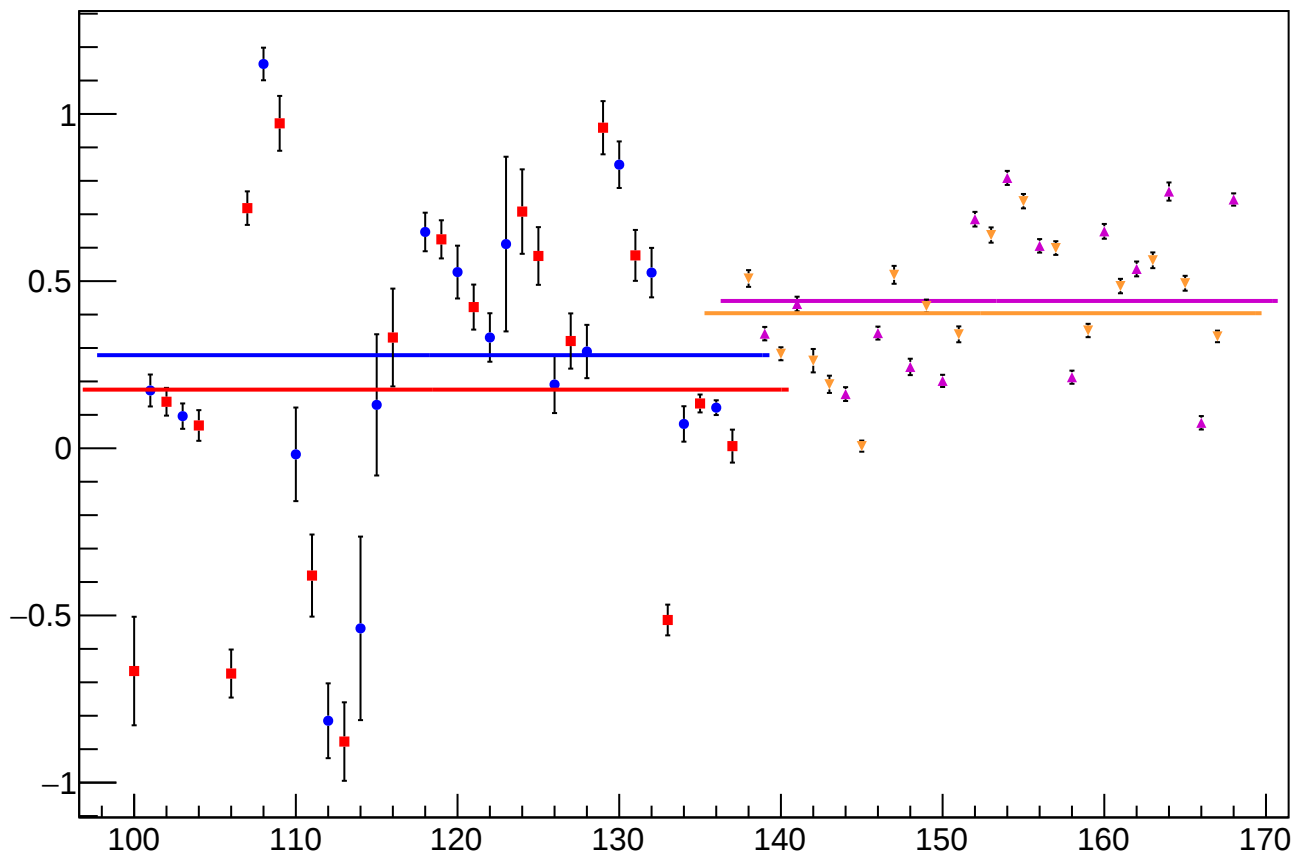
Left In: -75.514 ± 0.117 χ^2/NDF : 6116.0/14

+ sign -82.115 ± 0.105 χ^2/NDF : 16170.1/32

All: -81.294 ± 0.074 χ^2/NDF : 38255.4/66

- sign -80.461 ± 0.106 χ^2/NDF : 21961.8/33

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: 0.404 $\pm$ 0.005 χ^2/NDF :1272.3/15

Right Out: 0.175 $\pm$ 0.013 χ^2/NDF : 967.7/18

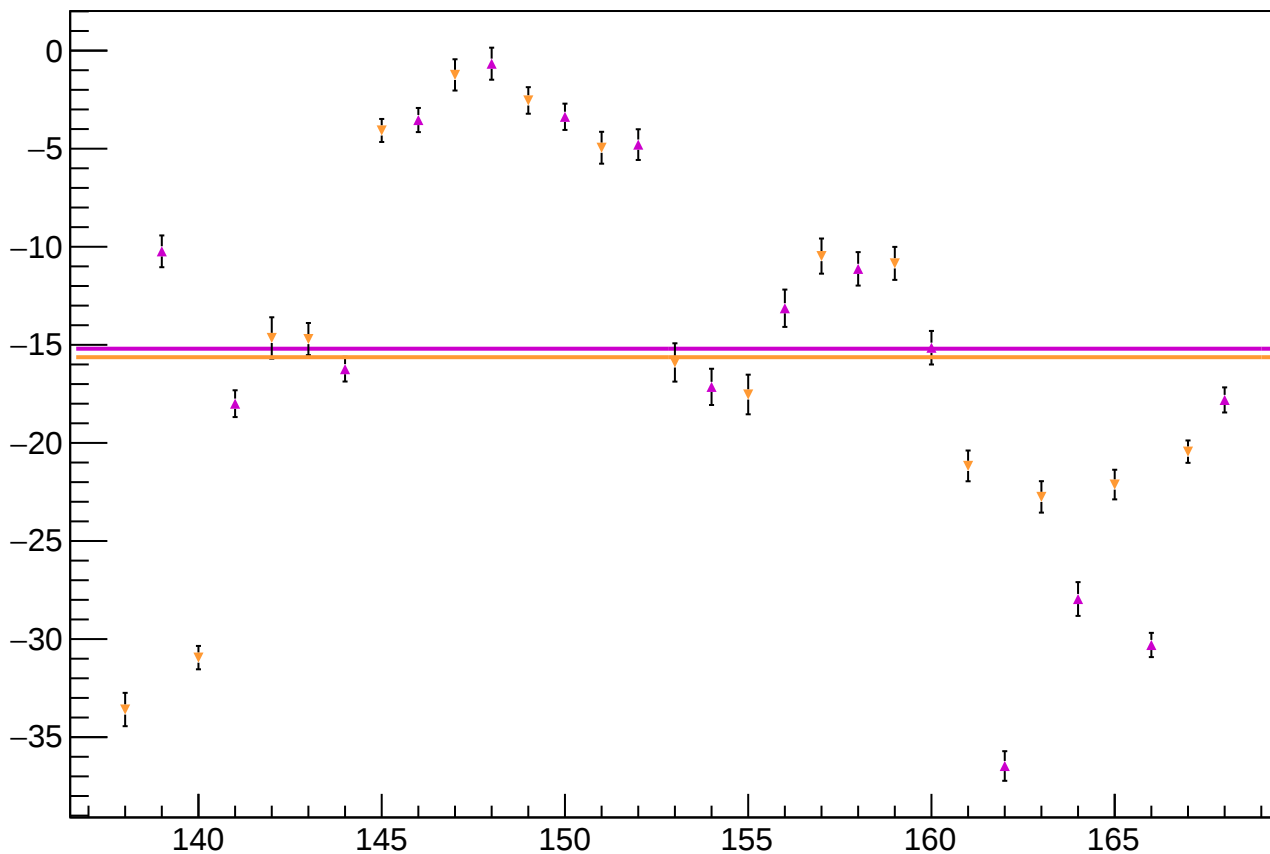
Left In: 0.441 $\pm$ 0.005 χ^2/NDF :1949.5/14

+ sign 0.387 $\pm$ 0.005 χ^2/NDF : 2000.6/32

All: 0.396 $\pm$ 0.004 χ^2/NDF : 5257.7/66

- sign 0.404 $\pm$ 0.005 χ^2/NDF : 3251.1/33

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -15.630+/-0.191 χ^2/NDF : 2713.5/15

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

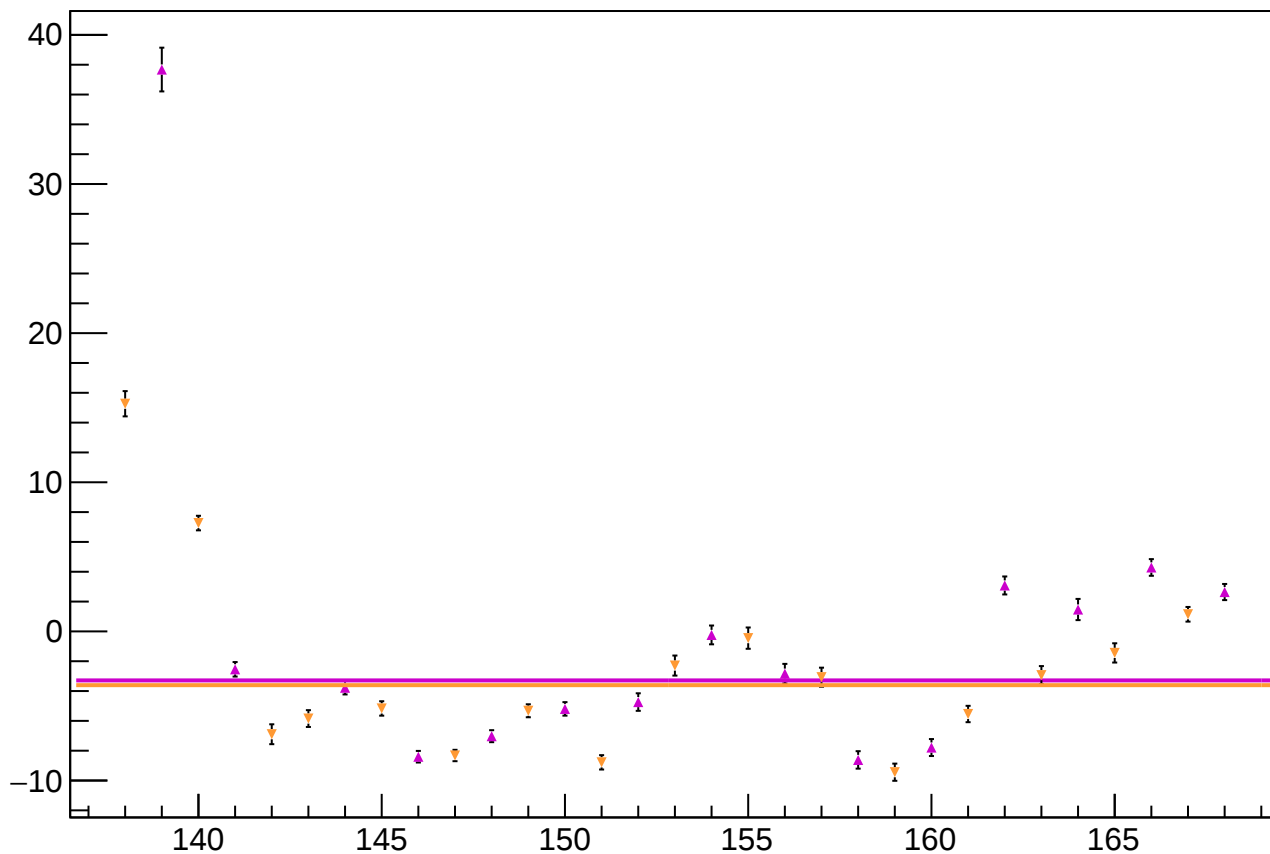
Left In: -15.197+/-0.191 χ^2/NDF : 2880.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -15.414+/-0.135 χ^2/NDF : 5596.5/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

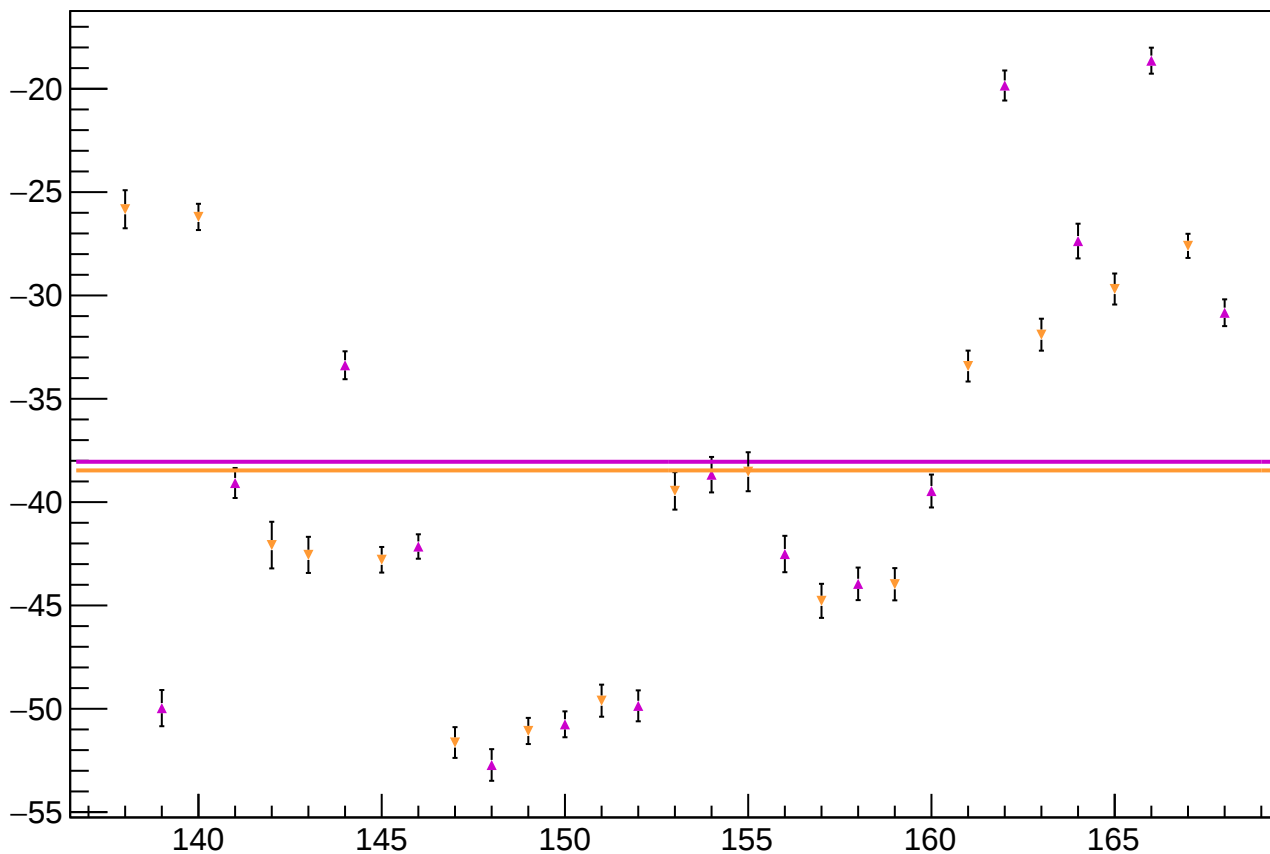
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -3.606 $\pm$ 0.136 χ^2 /NDF:1570.4/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.287 $\pm$ 0.138 χ^2 /NDF:1695.8/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -3.448 $\pm$ 0.097 χ^2 /NDF: 3268.8/30
 - 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: -38.466+/-0.189 χ^2/NDF : 2268.2/15

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

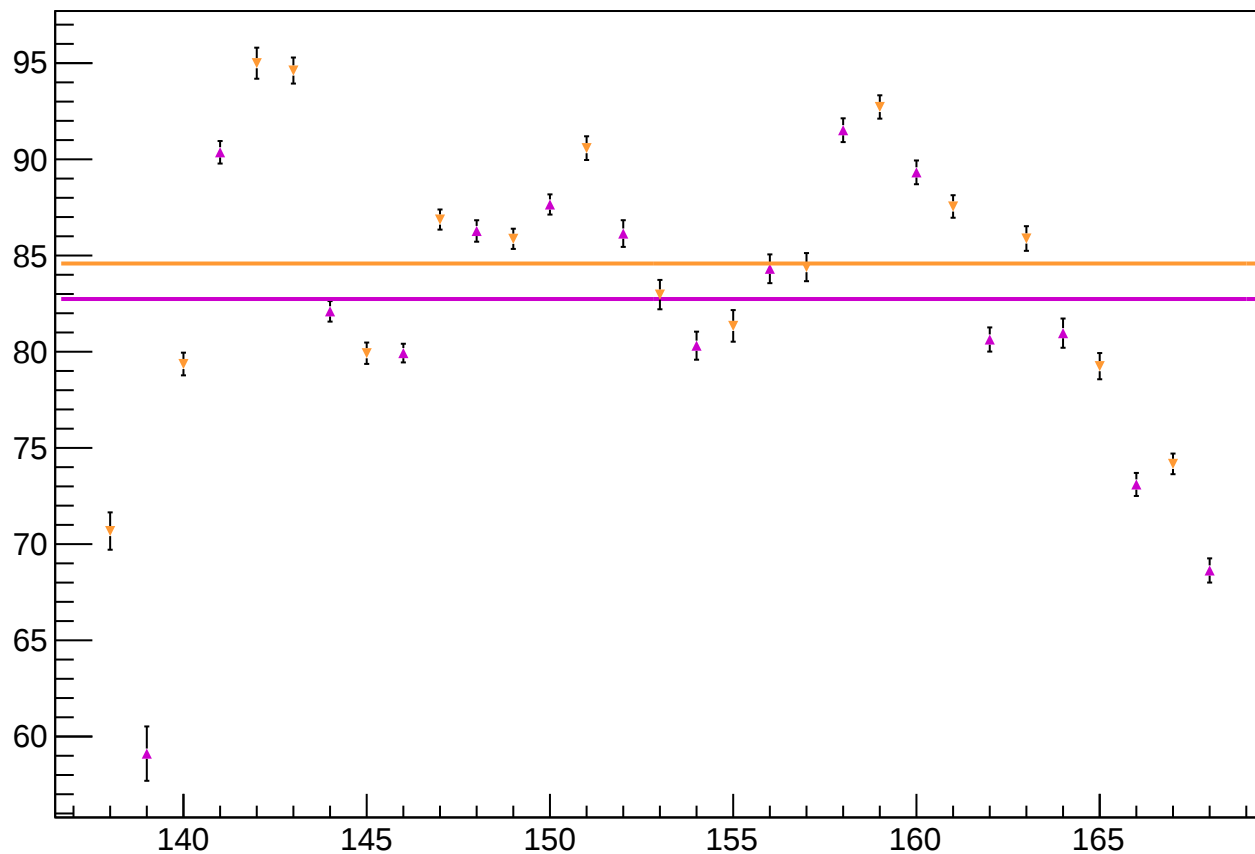
Left In: -38.047+/-0.188 χ^2/NDF : 3259.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -38.255+/-0.133 χ^2/NDF : 5530.2/30

- 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: 84.585+/-0.159 χ^2/NDF :1527.9/15

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

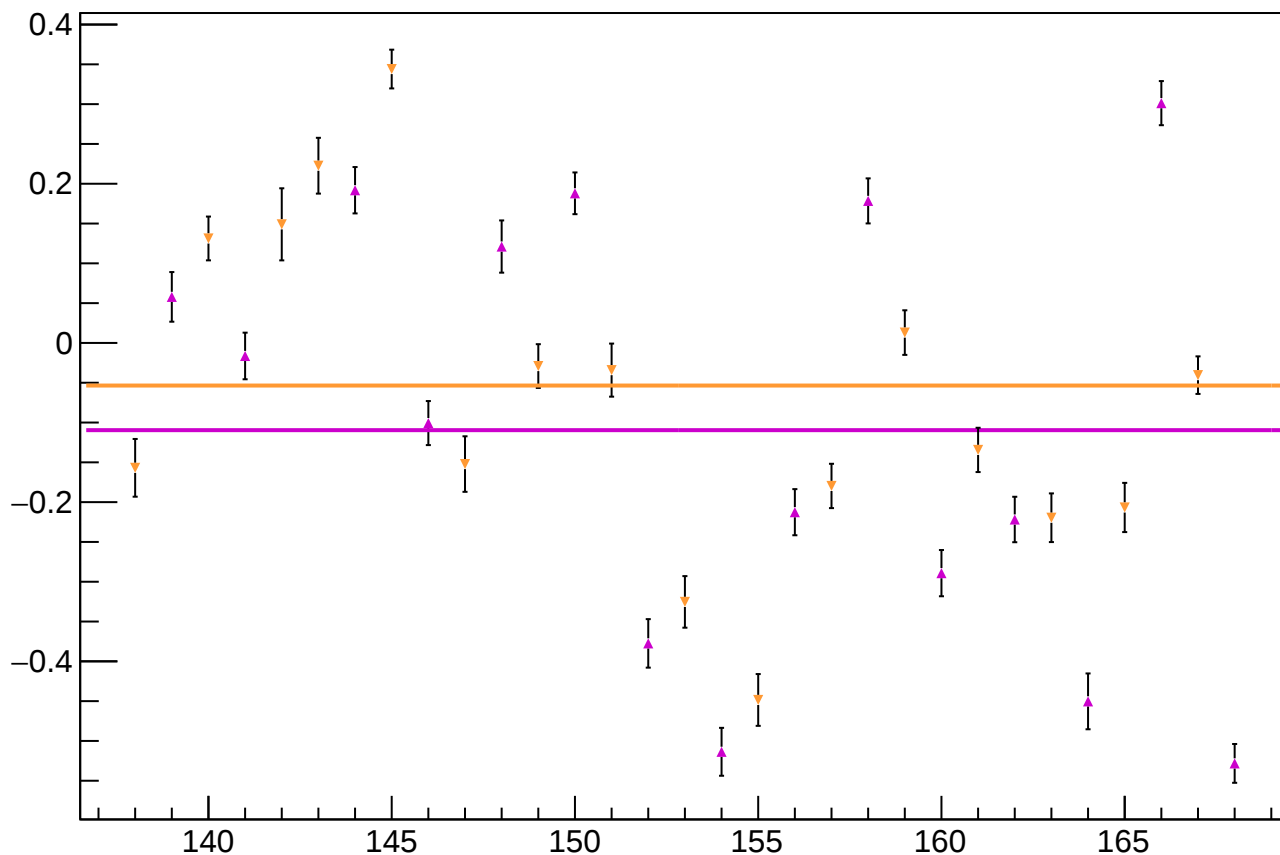
Left In: 82.740+/-0.161 χ^2/NDF :1745.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 83.674+/-0.113 χ^2/NDF : 3340.2/30

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.054+/-0.007 χ^2/NDF : 718.0/15

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

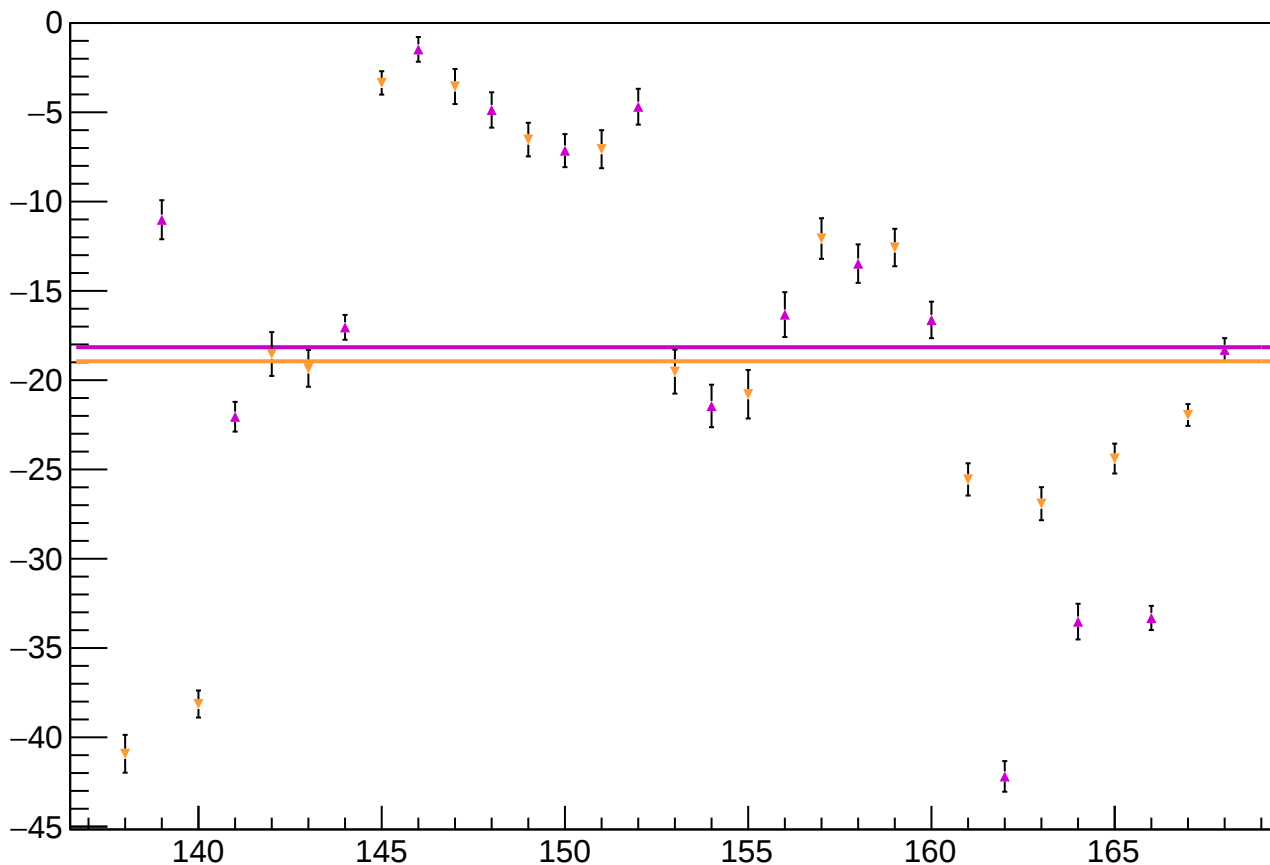
Left In: -0.110+/-0.007 χ^2/NDF : 1361.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.082+/-0.005 χ^2/NDF : 2107.2/30

- sign 0.000+/-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: -18.941 ± 0.229 χ^2/NDF : 2455.1/15

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

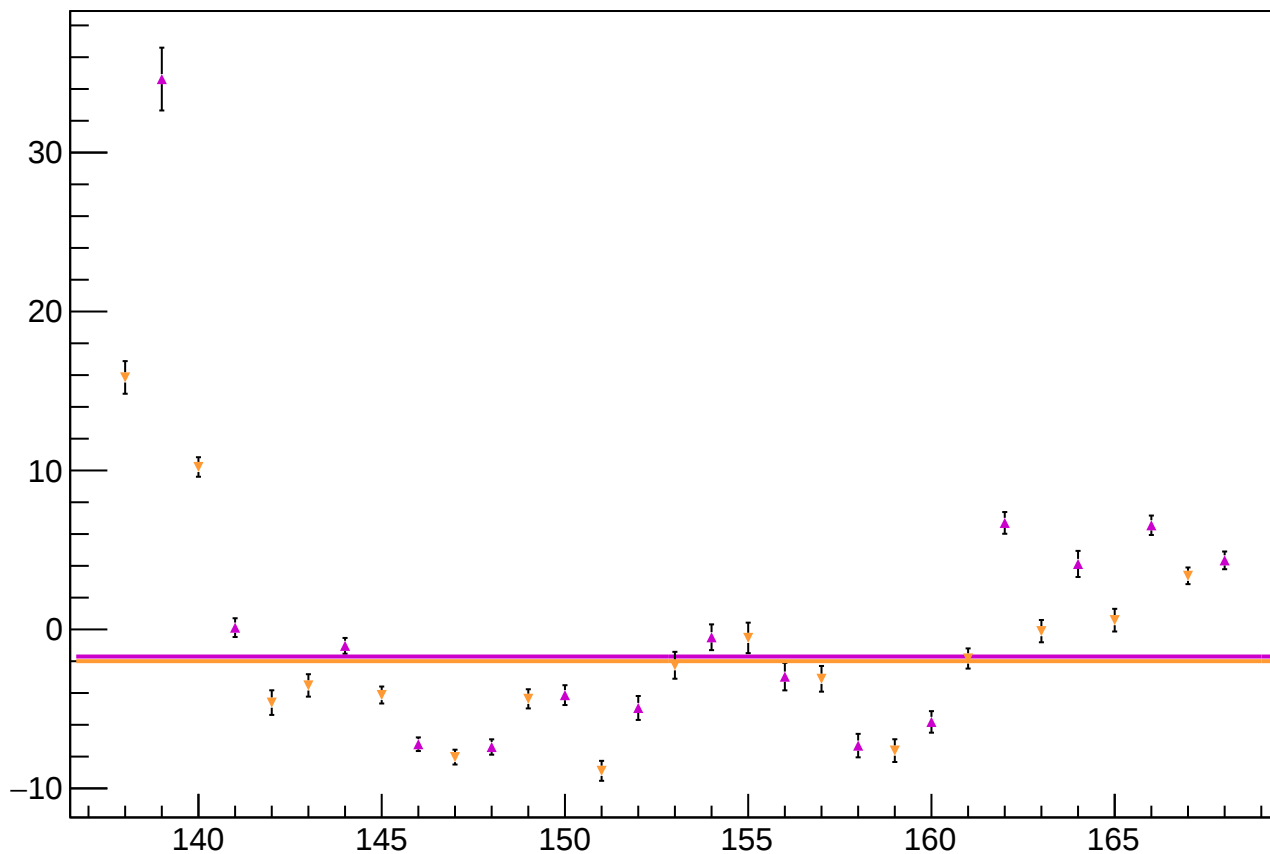
Left In: -18.154 ± 0.226 χ^2/NDF : 2704.6/14

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -18.541 ± 0.161 χ^2/NDF : 5165.6/30

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

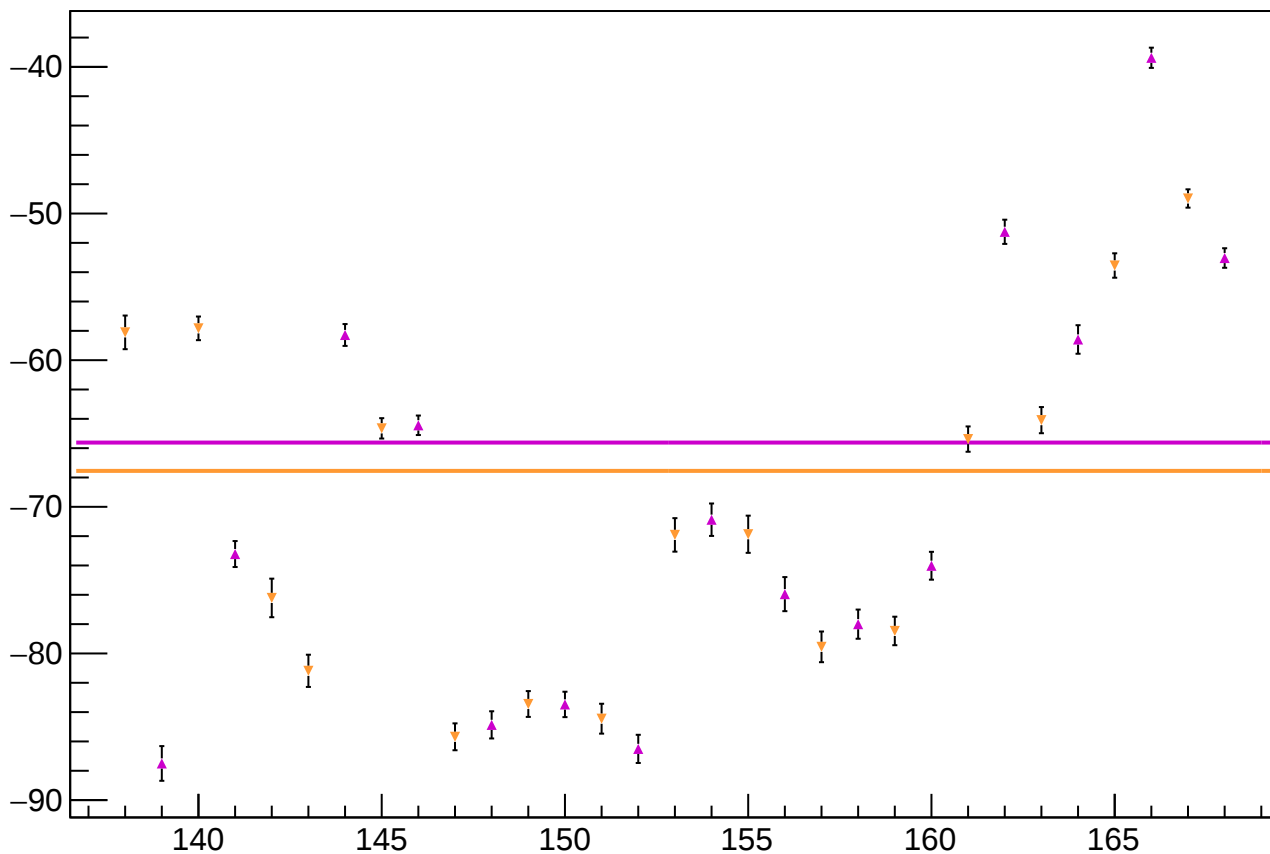
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.996+/-0.165 χ^2/NDF :1224.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.704+/-0.163 χ^2/NDF :1287.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -1.849+/-0.116 χ^2/NDF : 2513.8/30
 - sign 0.000+/-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: -67.550+/-0.228 χ^2/NDF : 2892.3/15

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

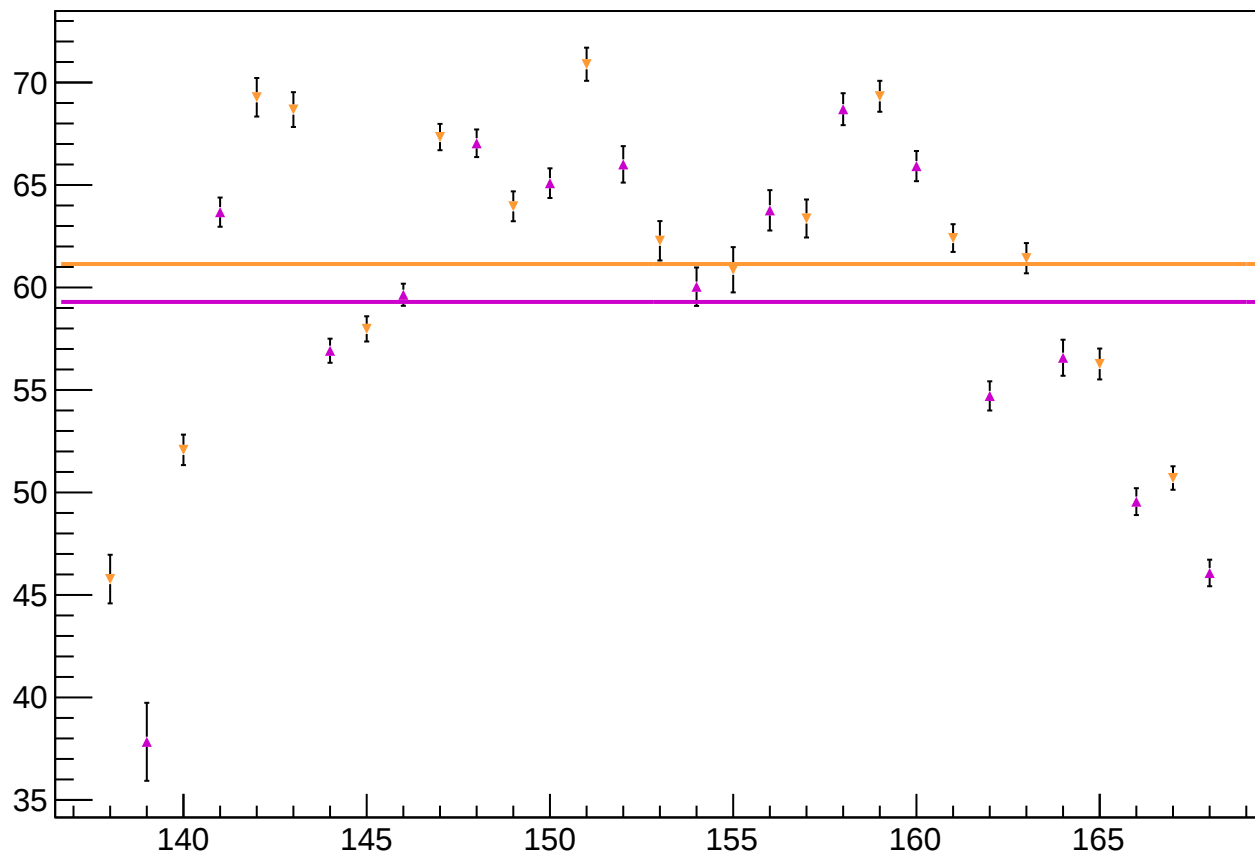
Left In: -65.619+/-0.223 χ^2/NDF : 4339.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -66.560+/-0.159 χ^2/NDF : 7268.0/30

- 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: 61.145+/-0.192 χ^2/NDF :1252.6/15

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

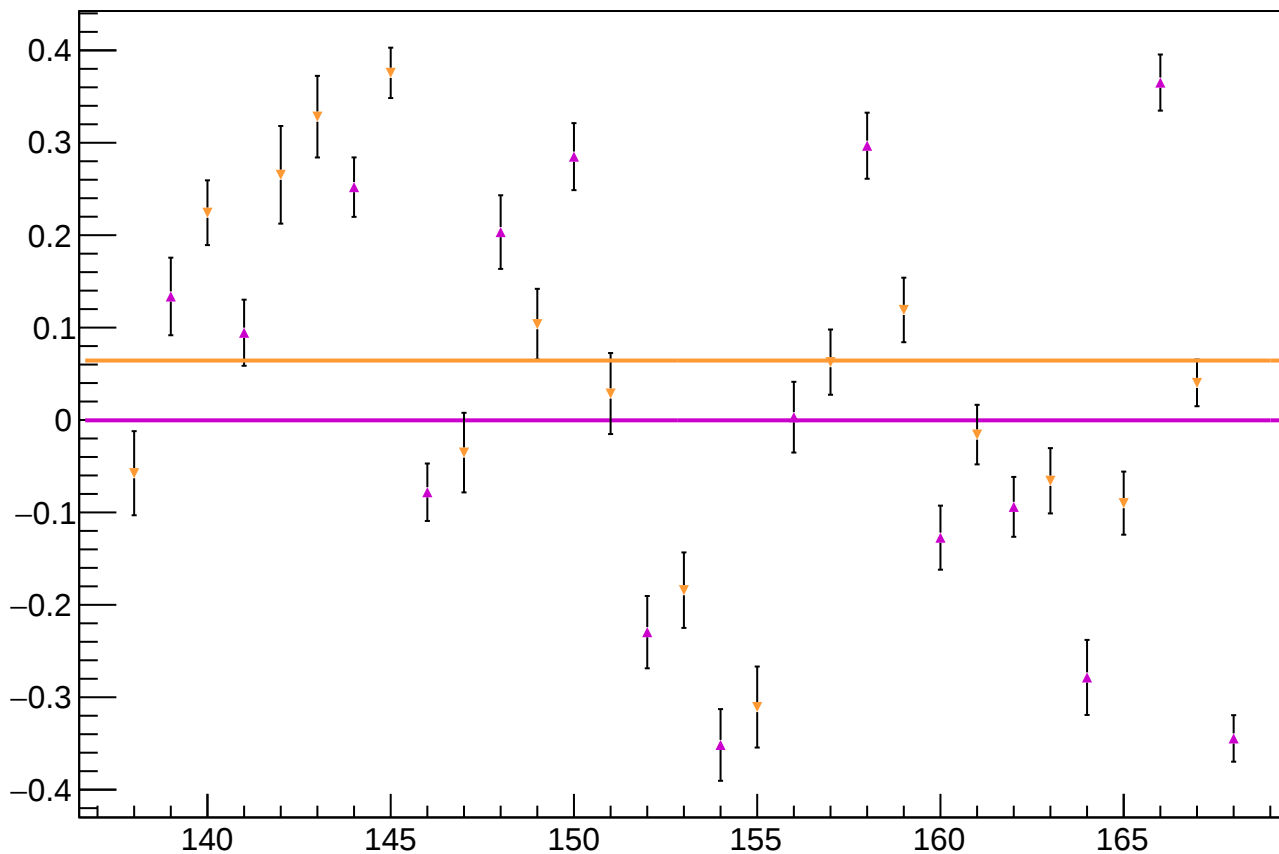
Left In: 59.295+/-0.190 χ^2/NDF :1371.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 60.213+/-0.135 χ^2/NDF : 2670.7/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

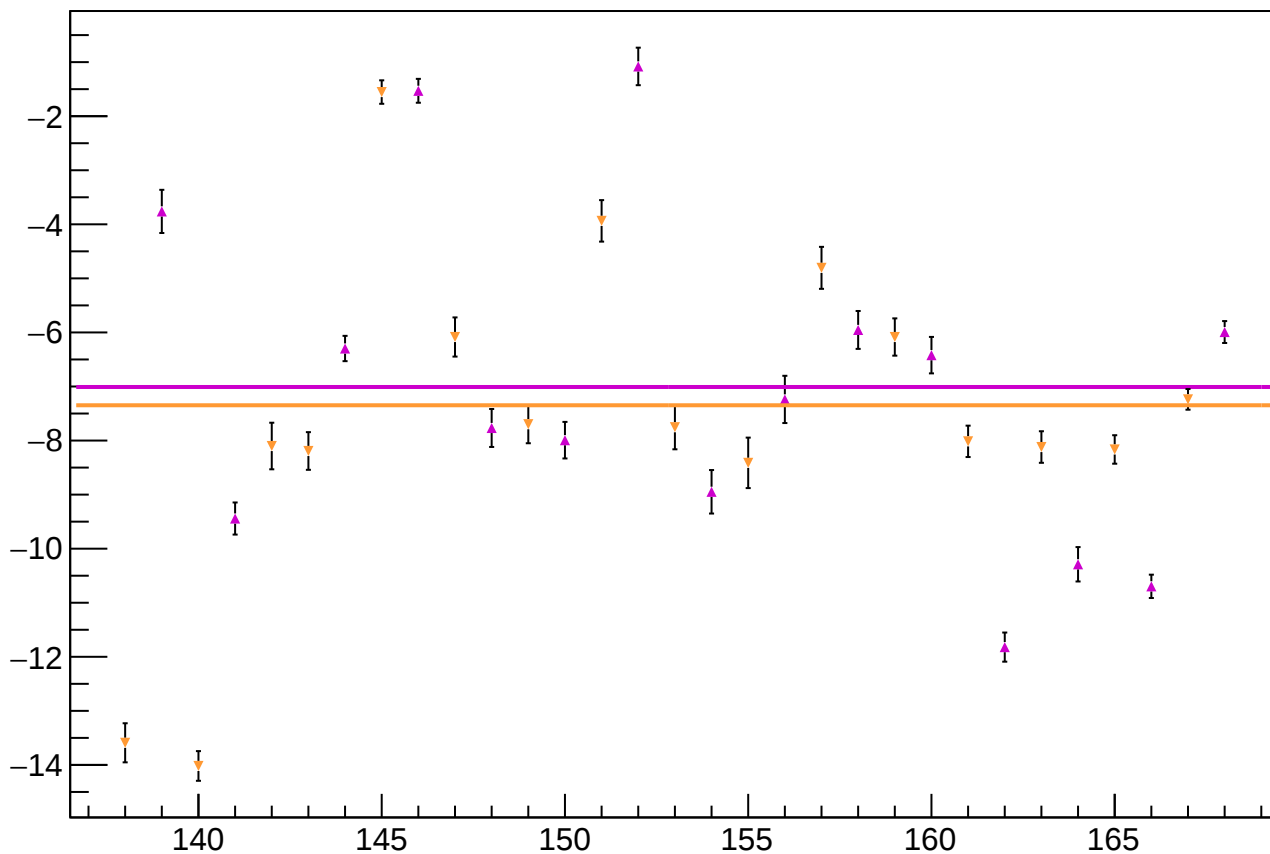
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.064 $\pm$ 0.009 χ^2 /NDF:369.5/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.000 $\pm$ 0.009 χ^2 /NDF:759.1/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.032 $\pm$ 0.006 χ^2 /NDF: 1154.5/30
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

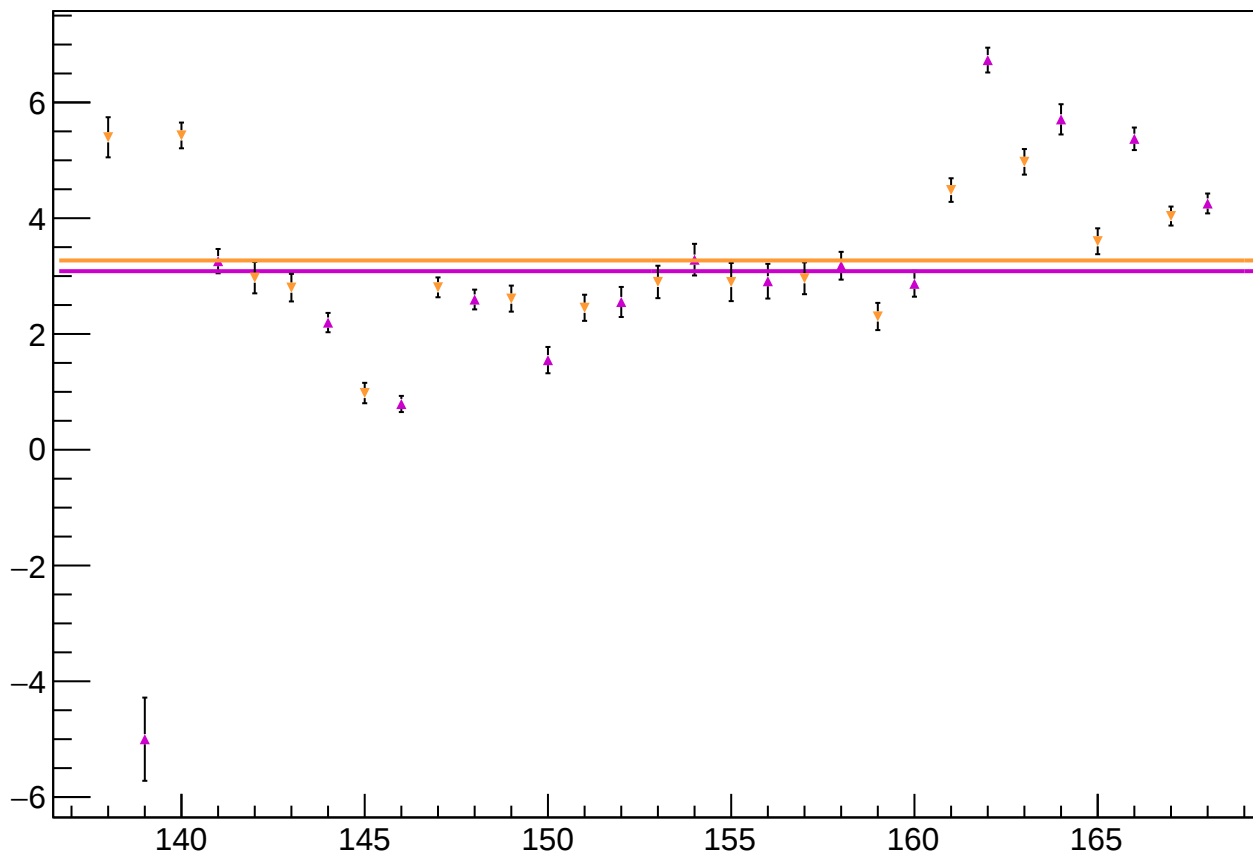
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.347 $\pm$ 0.077 χ^2 /NDF:1787.0/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.009 $\pm$ 0.075 χ^2 /NDF:1840.7/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -7.173 $\pm$ 0.054 χ^2 /NDF: 3637.7/30
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

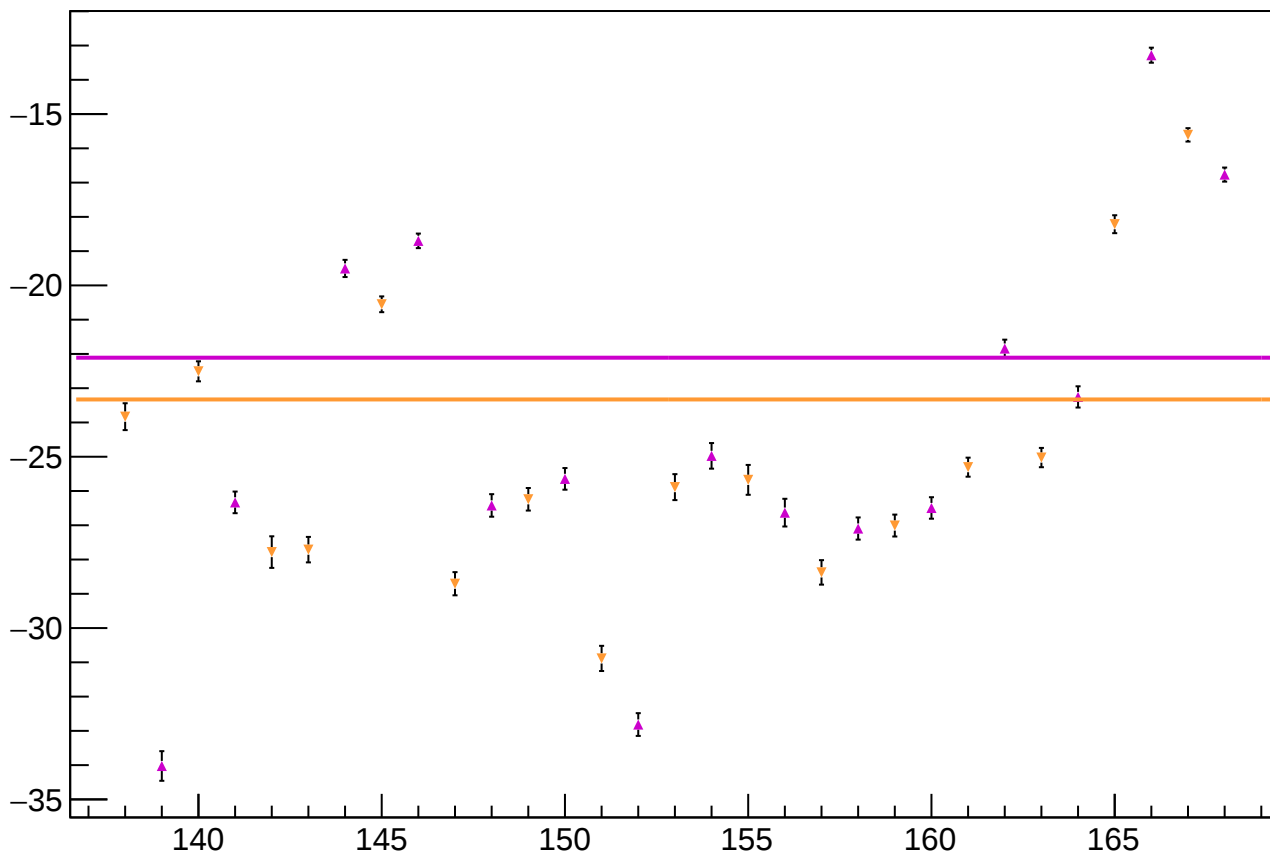
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: 3.270 ± 0.056 χ^2/NDF : 475.3/15
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: 3.085 ± 0.054 χ^2/NDF : 1059.9/14

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: 3.175 ± 0.039 χ^2/NDF : 1540.9/30
 - sign 0.000 ± 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: -23.328 $\pm$ 0.077 χ^2 /NDF:3573.9/15

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

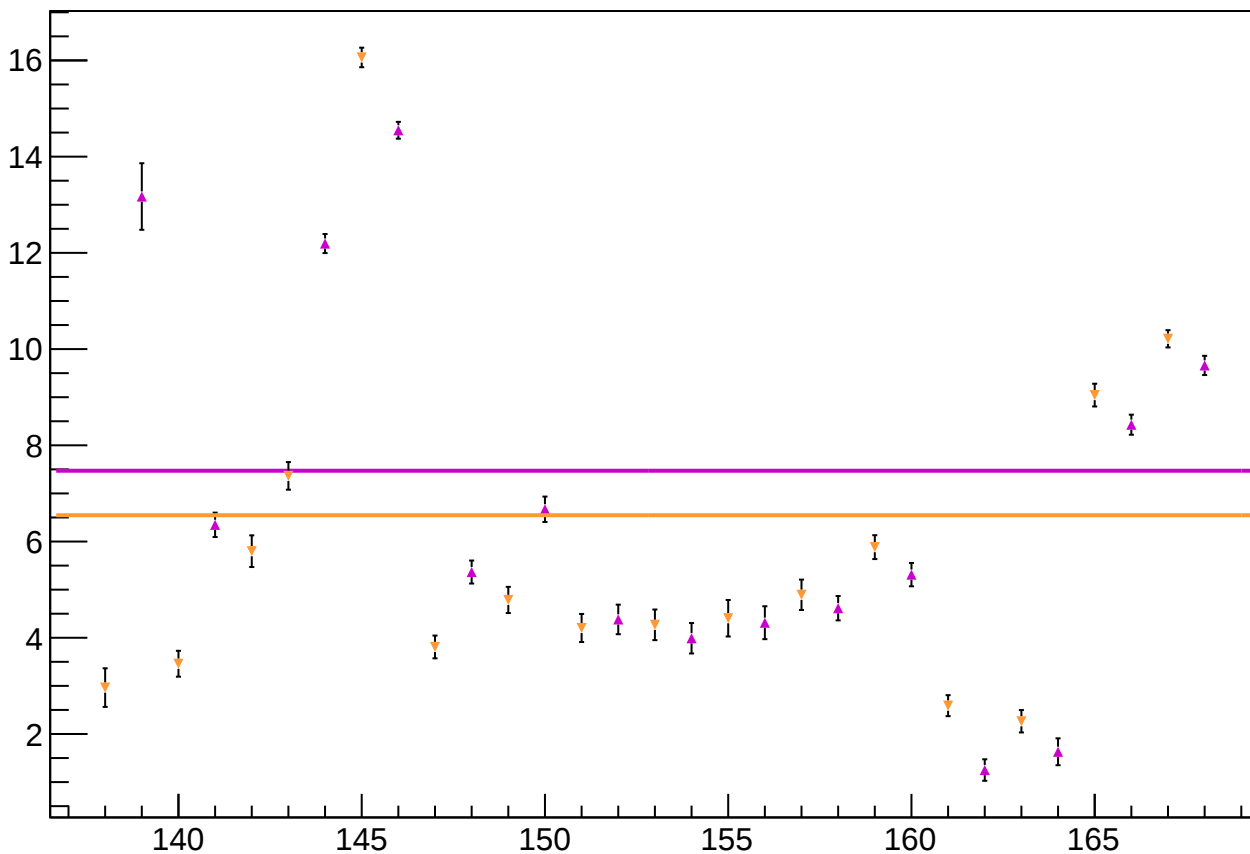
Left In: -22.110 $\pm$ 0.074 χ^2 /NDF:5562.3/14

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

All: -22.695 $\pm$ 0.053 χ^2 /NDF: 9267.8/30

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

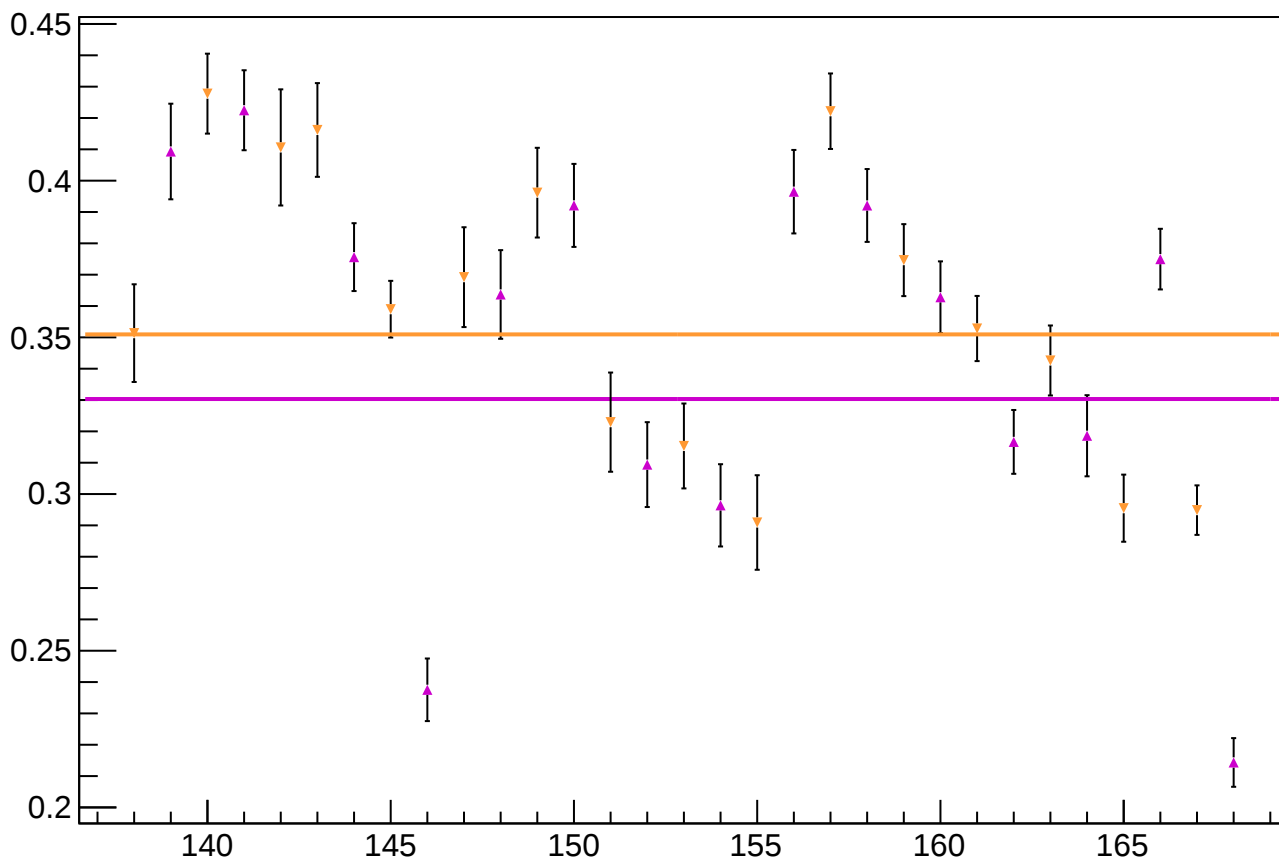
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.547+/-0.065 χ^2/NDF :3972.8/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.472+/-0.063 χ^2/NDF :4246.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 7.019+/-0.045 χ^2/NDF : 8323.8/30
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

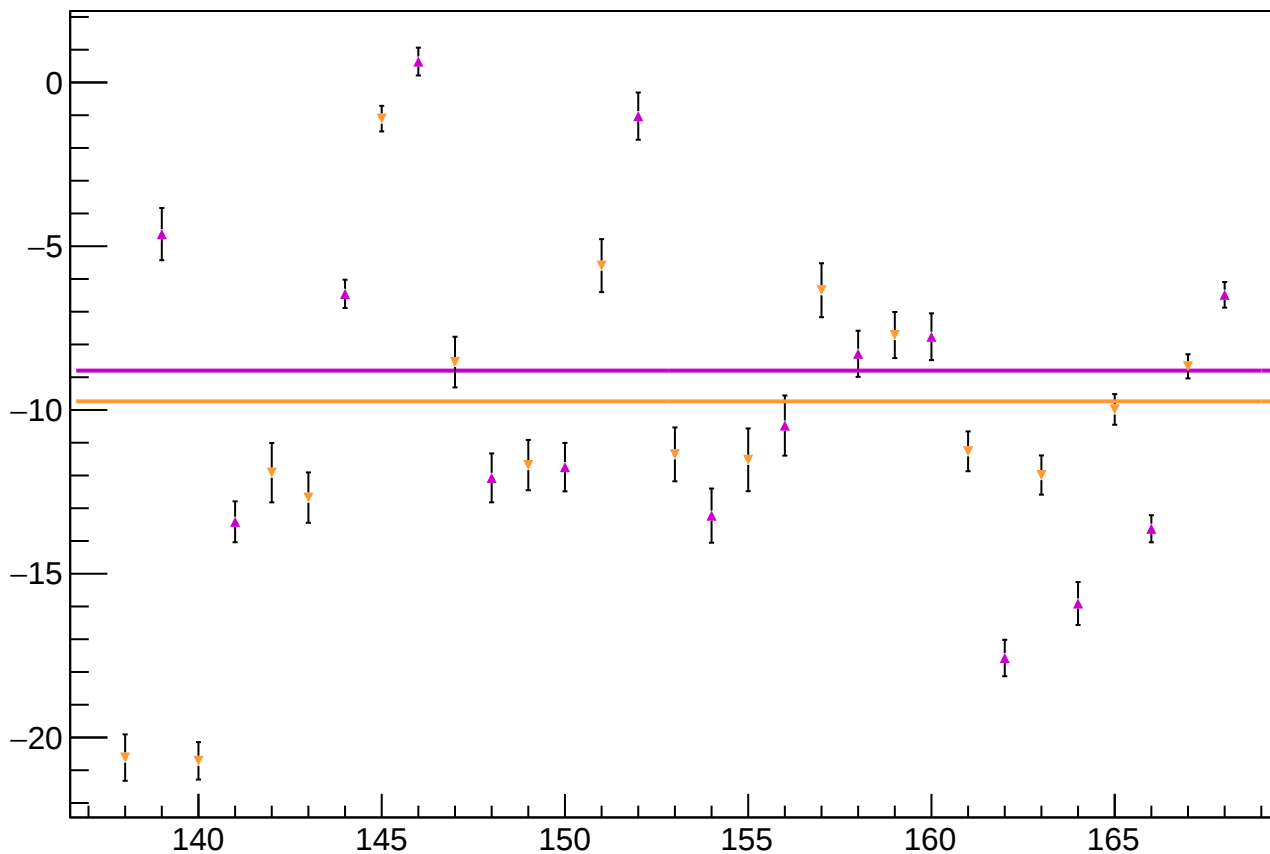
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.351 ± 0.003 χ^2/NDF : 220.6/15
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: 0.330 ± 0.003 χ^2/NDF : 526.9/14

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: 0.340 ± 0.002 χ^2/NDF : 771.2/30
 - sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

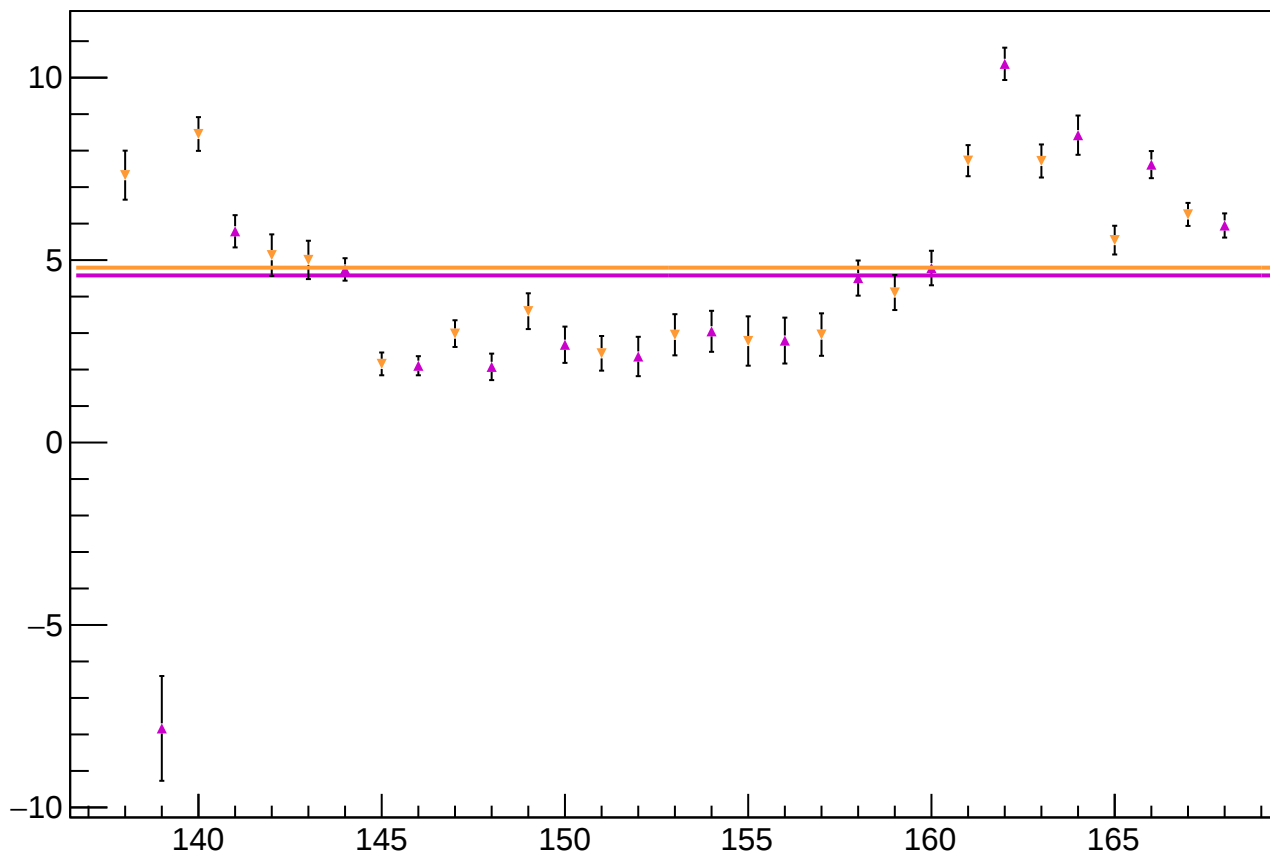
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.737 $\pm$ 0.153 χ^2 /NDF:1211.5/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -8.798 $\pm$ 0.149 χ^2 /NDF:1329.6/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -9.255 $\pm$ 0.107 χ^2 /NDF: 2560.5/30
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

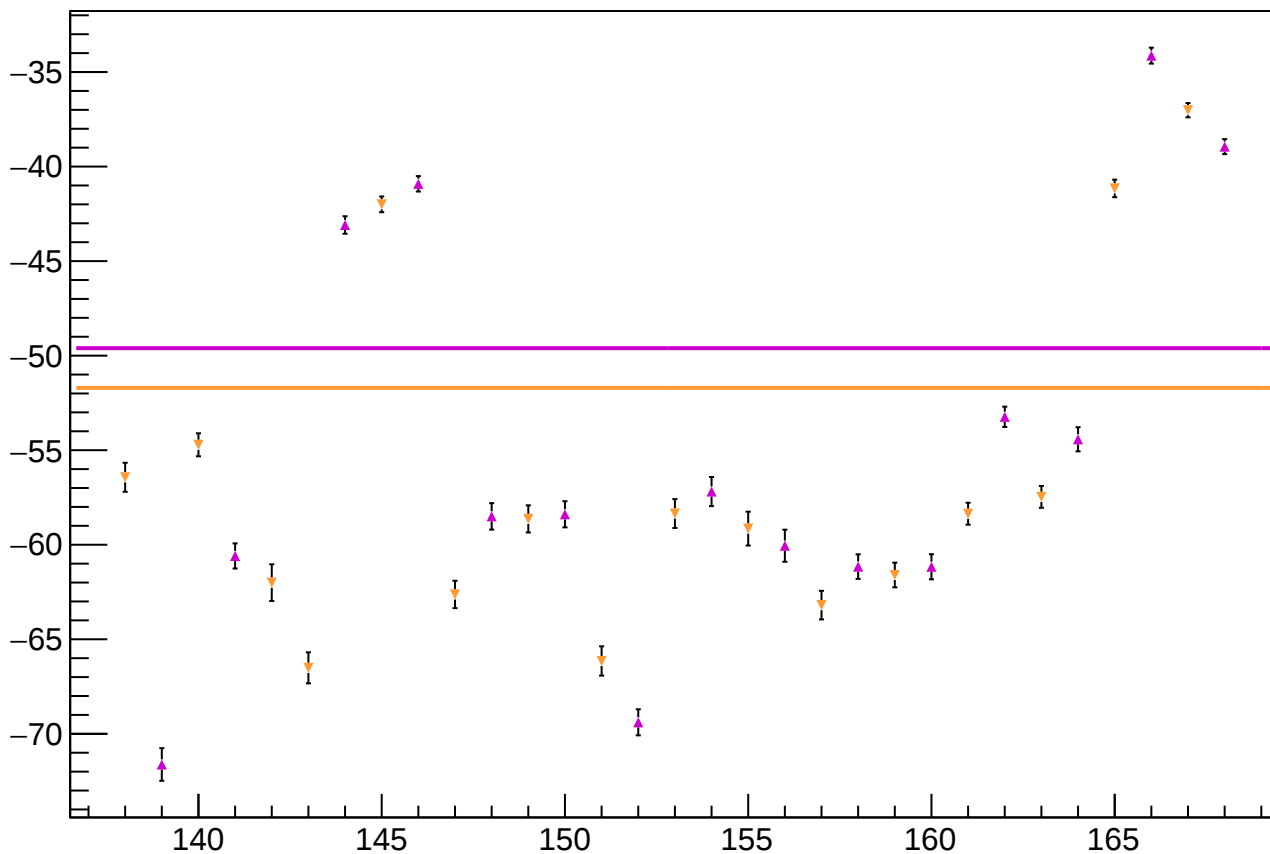
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.792 $\pm$ 0.112 χ^2 /NDF:349.1/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.579 $\pm$ 0.108 χ^2 /NDF:572.8/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 4.682 $\pm$ 0.078 χ^2 /NDF: 923.7/30
 - 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: -51.704+/-0.153 χ^2/NDF : 4582.8/15

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

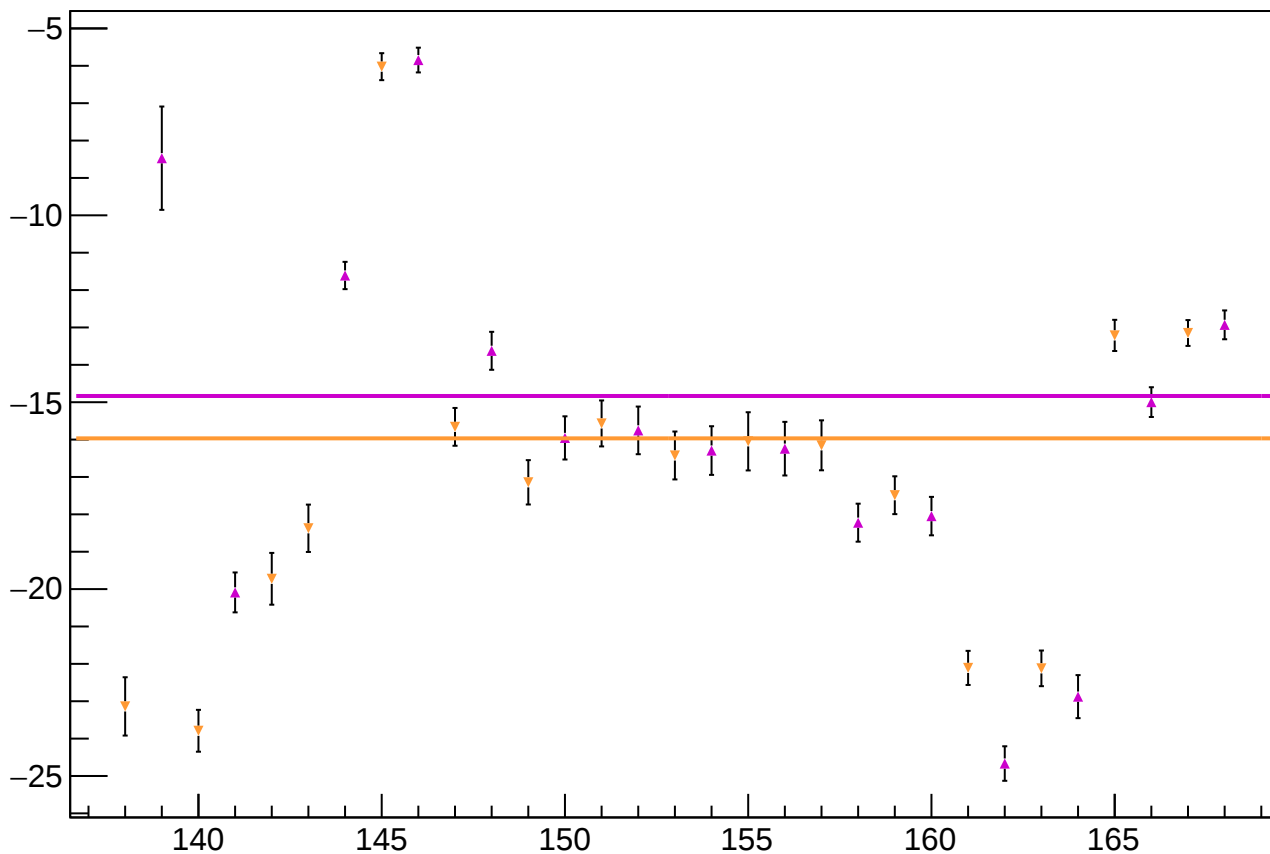
Left In: -49.604+/-0.147 χ^2/NDF : 5768.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -50.616+/-0.106 χ^2/NDF : 10449.0/30

- 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: -15.967 $\pm$ 0.129 χ^2 /NDF:1555.2/15

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

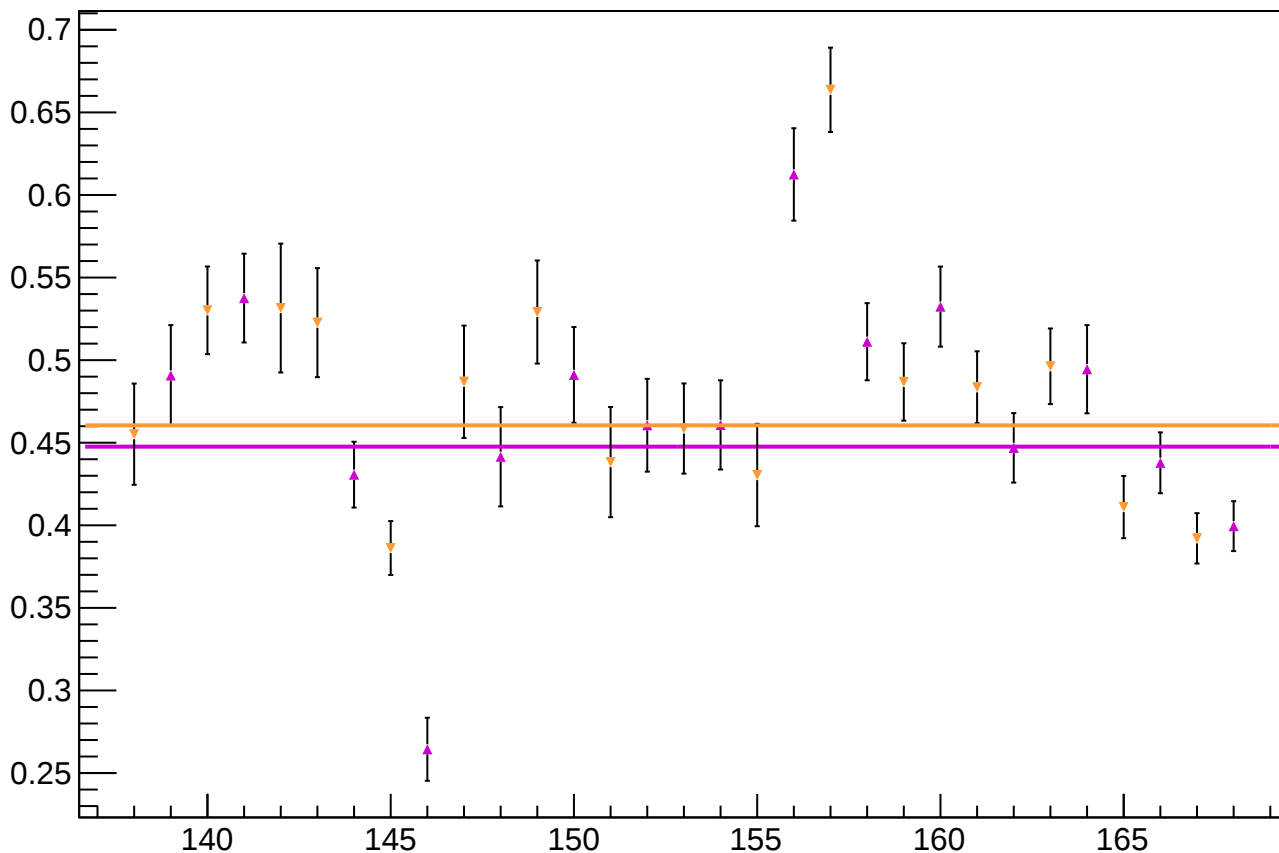
Left In: -14.833 $\pm$ 0.126 χ^2 /NDF:1709.5/14

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

All: -15.388 $\pm$ 0.090 χ^2 /NDF: 3304.2/30

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

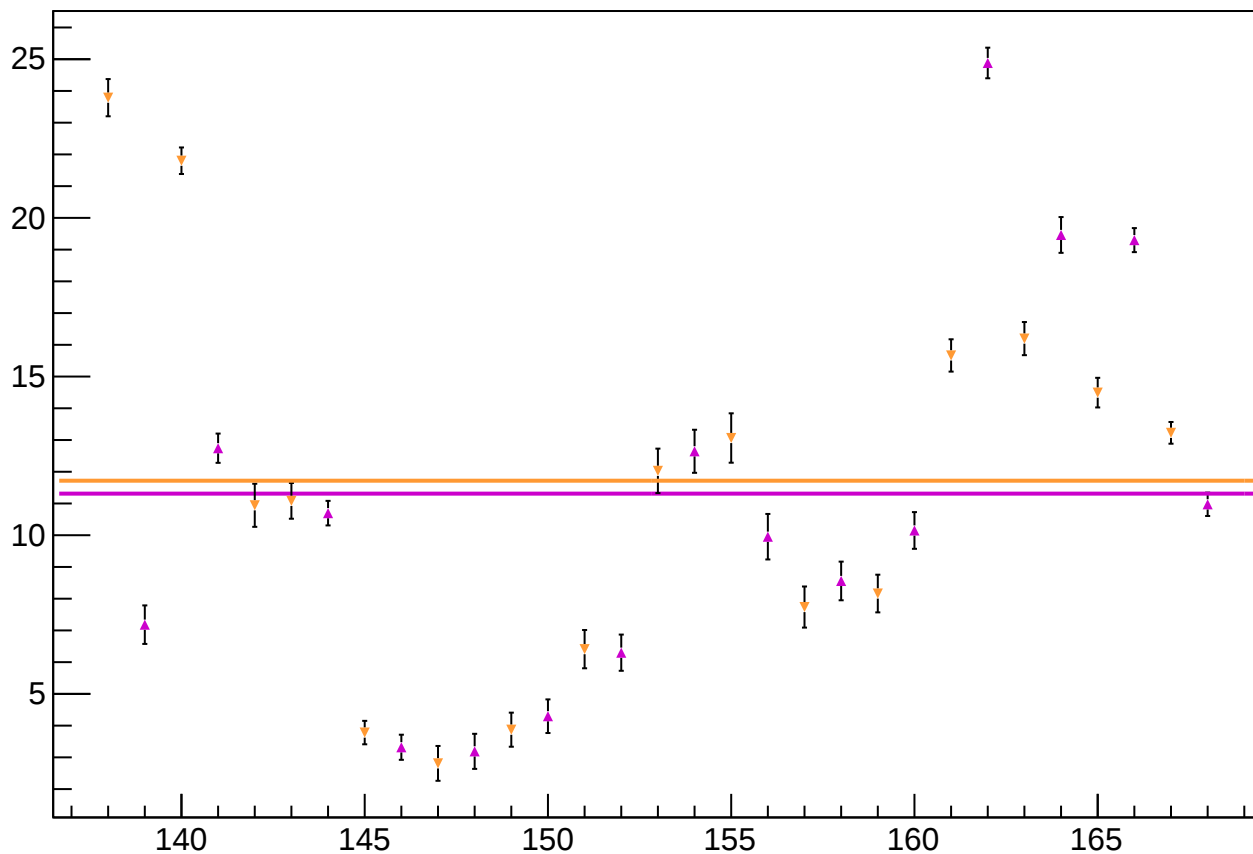
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.461 $\pm$ 0.006 χ^2 /NDF:136.5/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.448 $\pm$ 0.006 χ^2 /NDF:176.7/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.454 $\pm$ 0.004 χ^2 /NDF: 315.5/30
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 11.718+/-0.129 χ^2/NDF : 2287.9/15

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

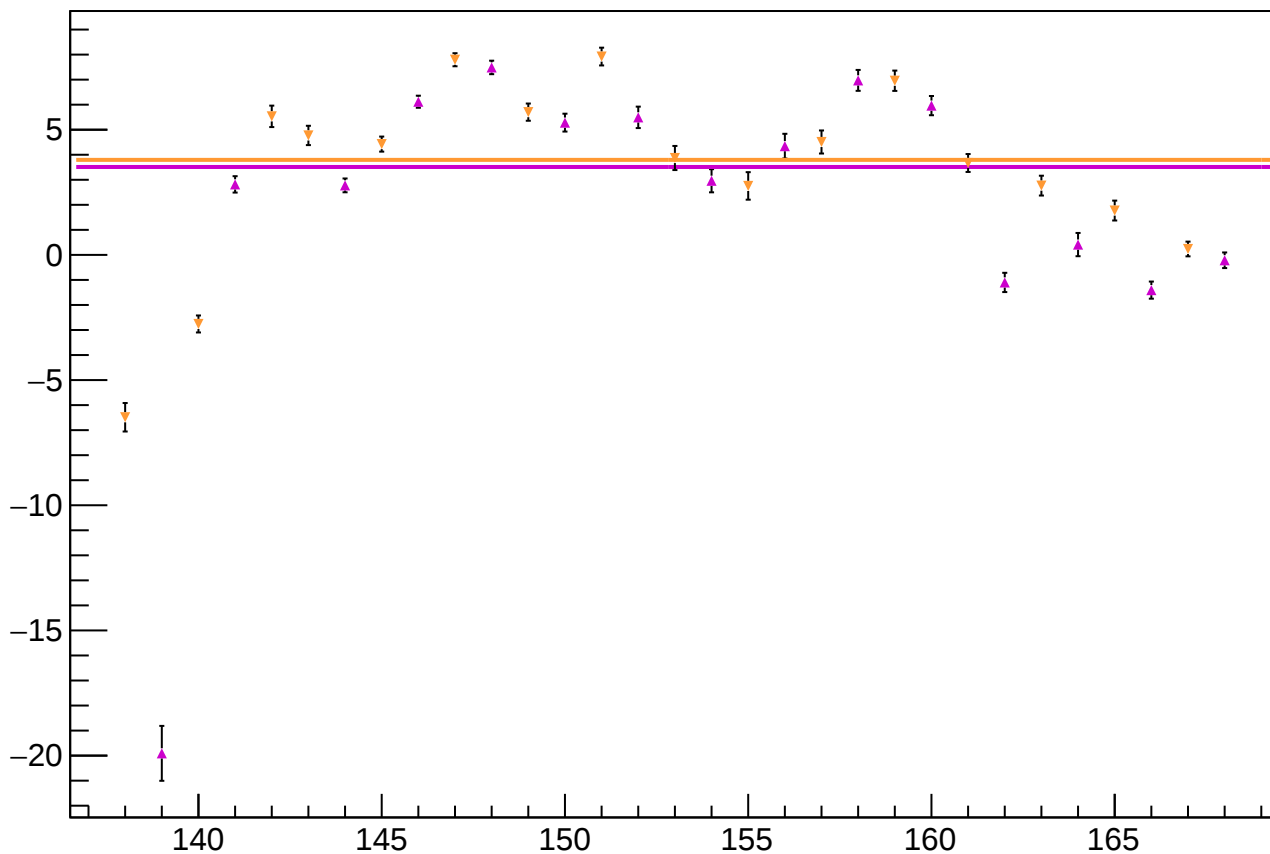
Left In: 11.311+/-0.127 χ^2/NDF : 2413.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 11.512+/-0.090 χ^2/NDF : 4706.5/30

- sign 0.000+/-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: 3.796 $\pm$ 0.093 χ^2 /NDF:1373.6/15

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

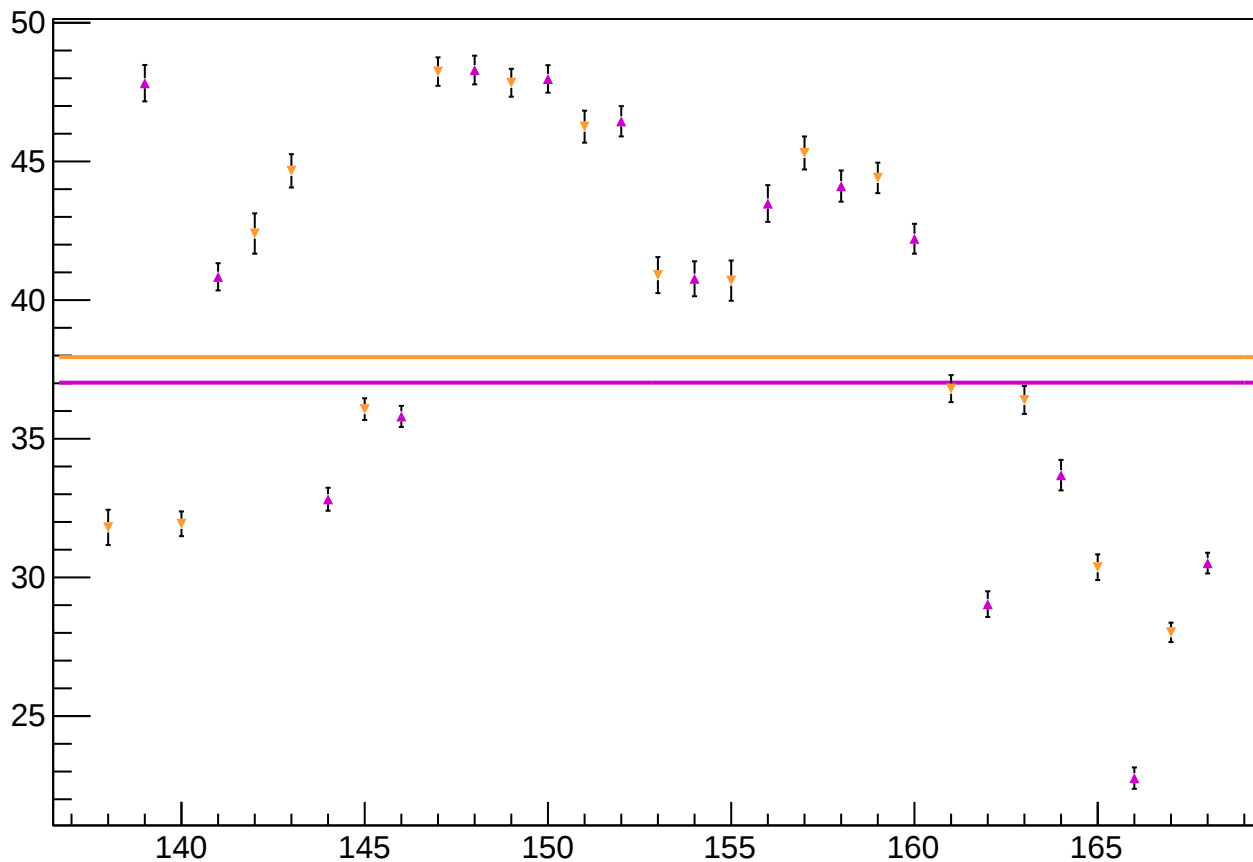
Left In: 3.511 $\pm$ 0.092 χ^2 /NDF:1499.8/14

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

All: 3.652 $\pm$ 0.065 χ^2 /NDF: 2878.1/30

- 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: 37.944+/-0.128 χ^2/NDF :2870.0/15

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

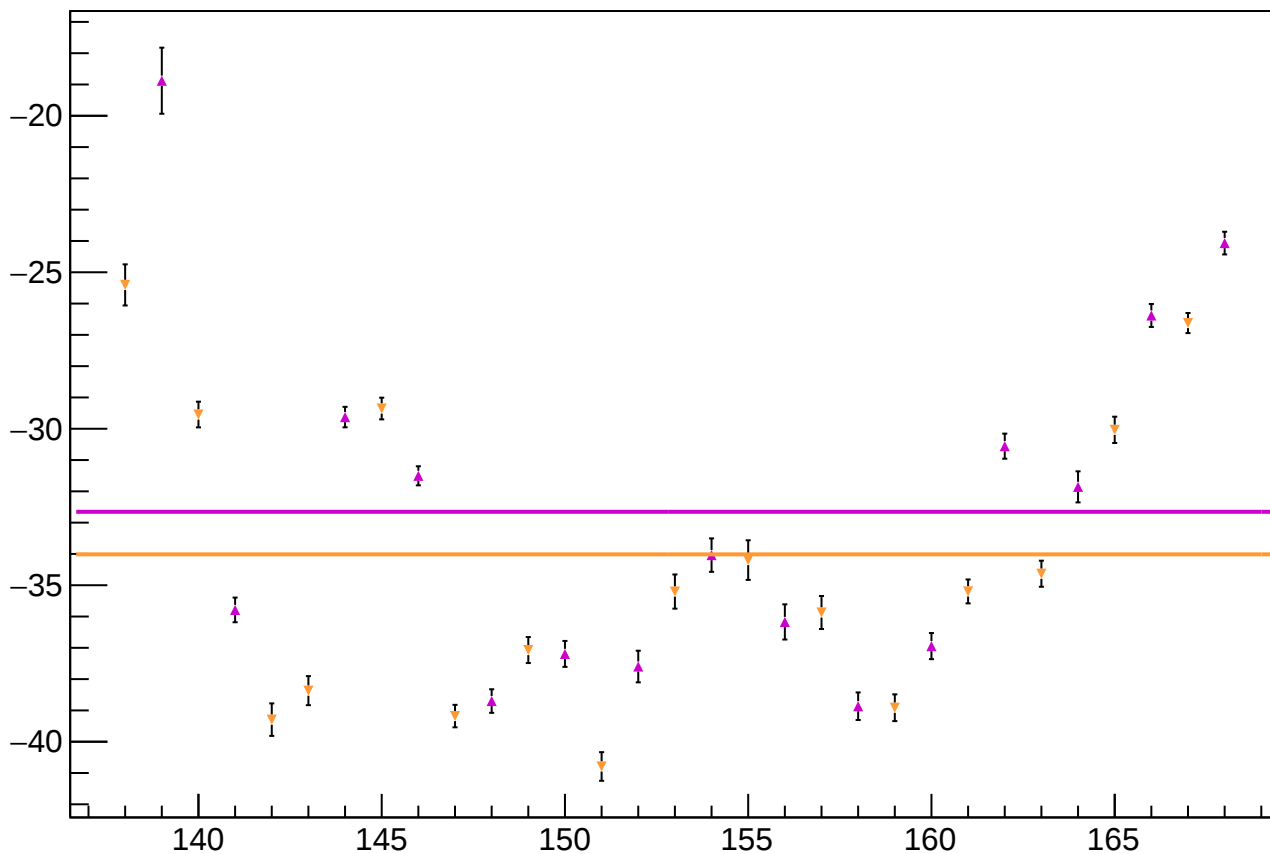
Left In: 37.023+/-0.125 χ^2/NDF :4089.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 37.473+/-0.090 χ^2/NDF : 6985.8/30

- 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: -34.014+/-0.108 χ^2/NDF :1922.9/15

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

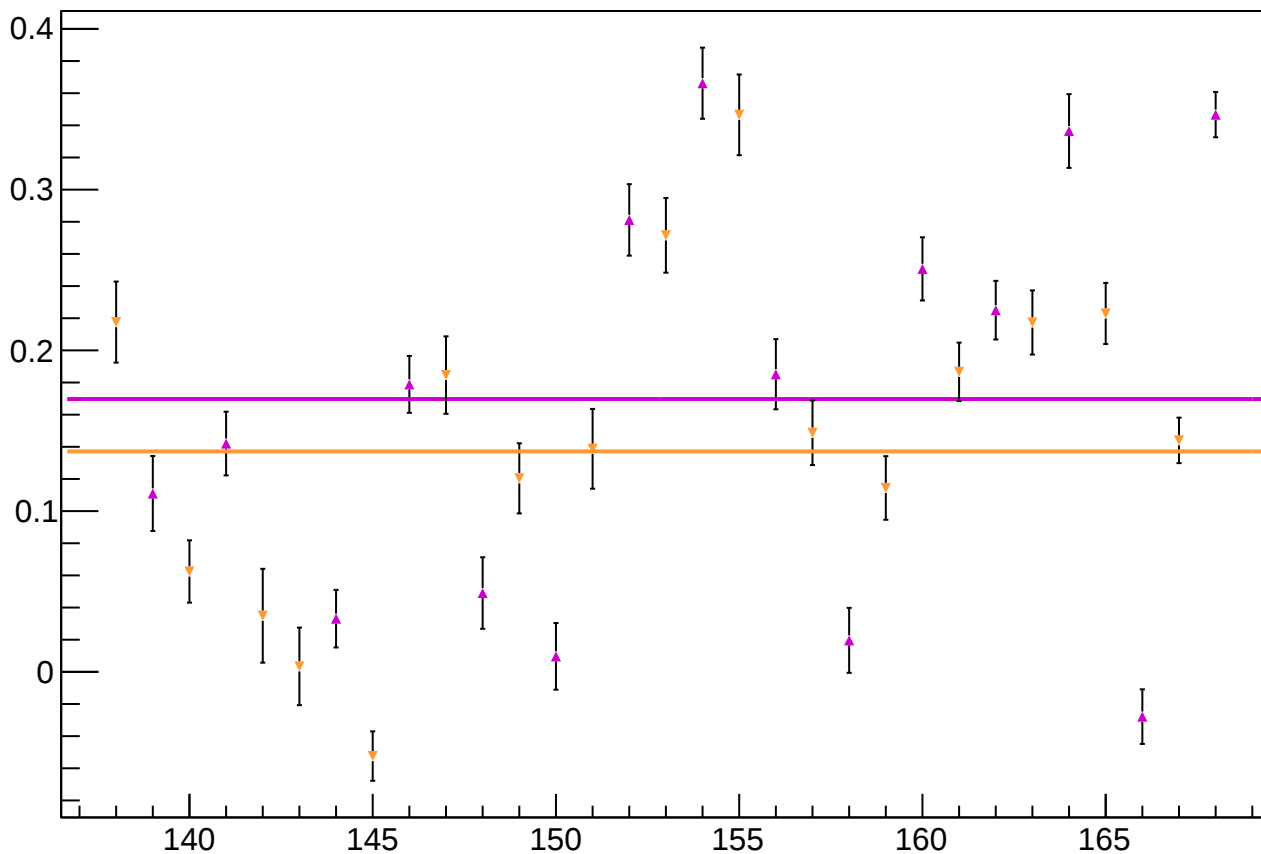
Left In: -32.653+/-0.107 χ^2/NDF :2041.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -33.330+/-0.076 χ^2/NDF : 4044.7/30

- 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: 0.137+/-0.005 χ^2/NDF : 373.1/15

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

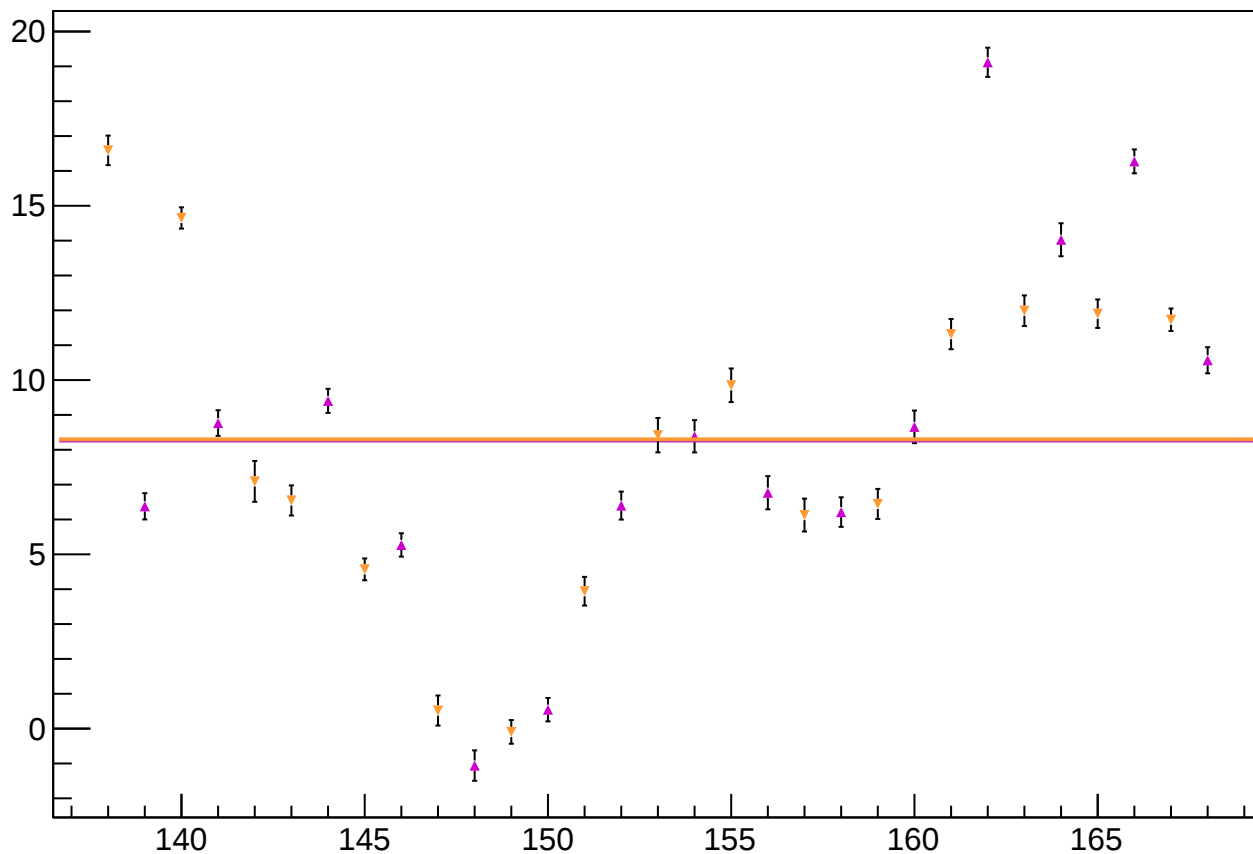
Left In: 0.170+/-0.005 χ^2/NDF : 687.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.154+/-0.004 χ^2/NDF : 1081.2/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

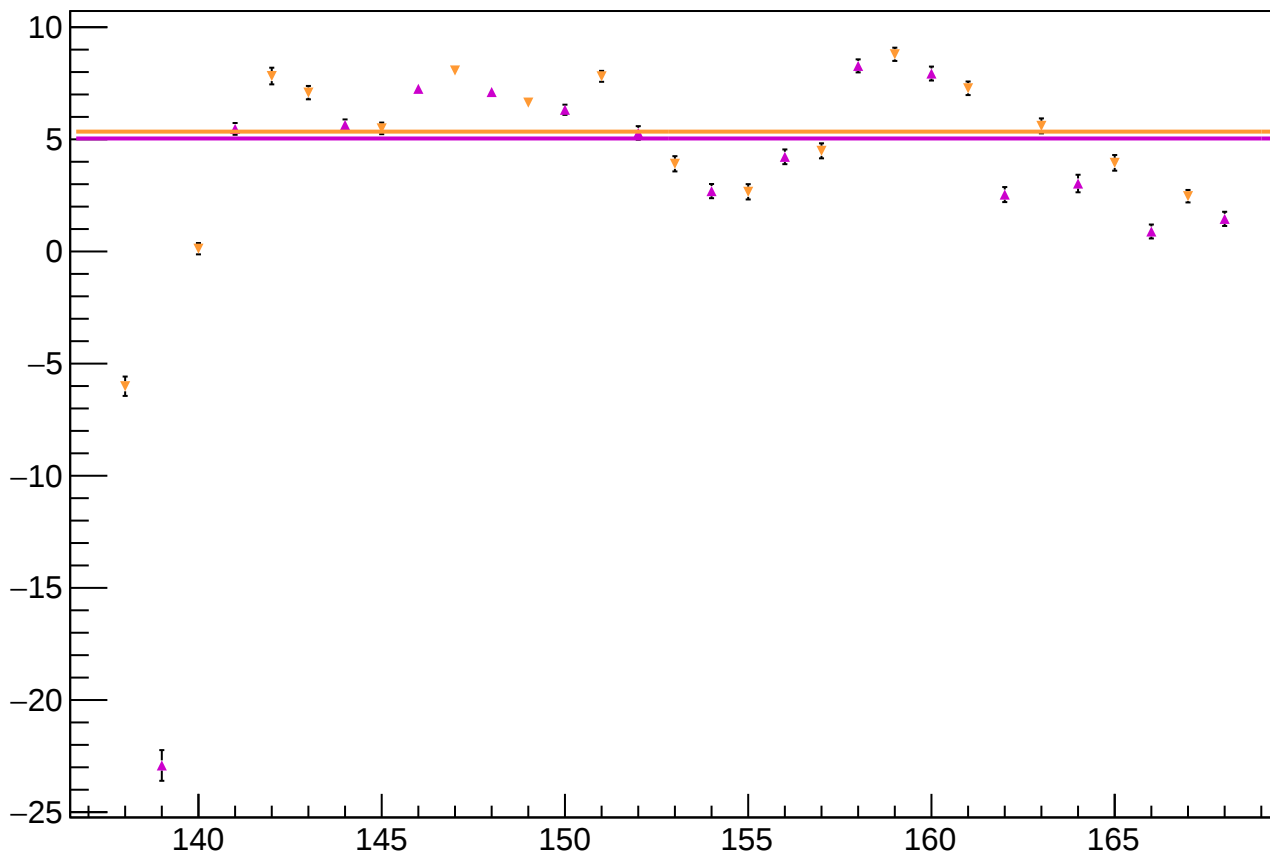
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.299+/-0.100 χ^2/NDF :2388.4/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.268+/-0.101 χ^2/NDF :2560.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 8.284+/-0.071 χ^2/NDF : 4949.0/30
 - 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: 5.344 $\pm$ 0.072 χ^2 /NDF:1894.0/15

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

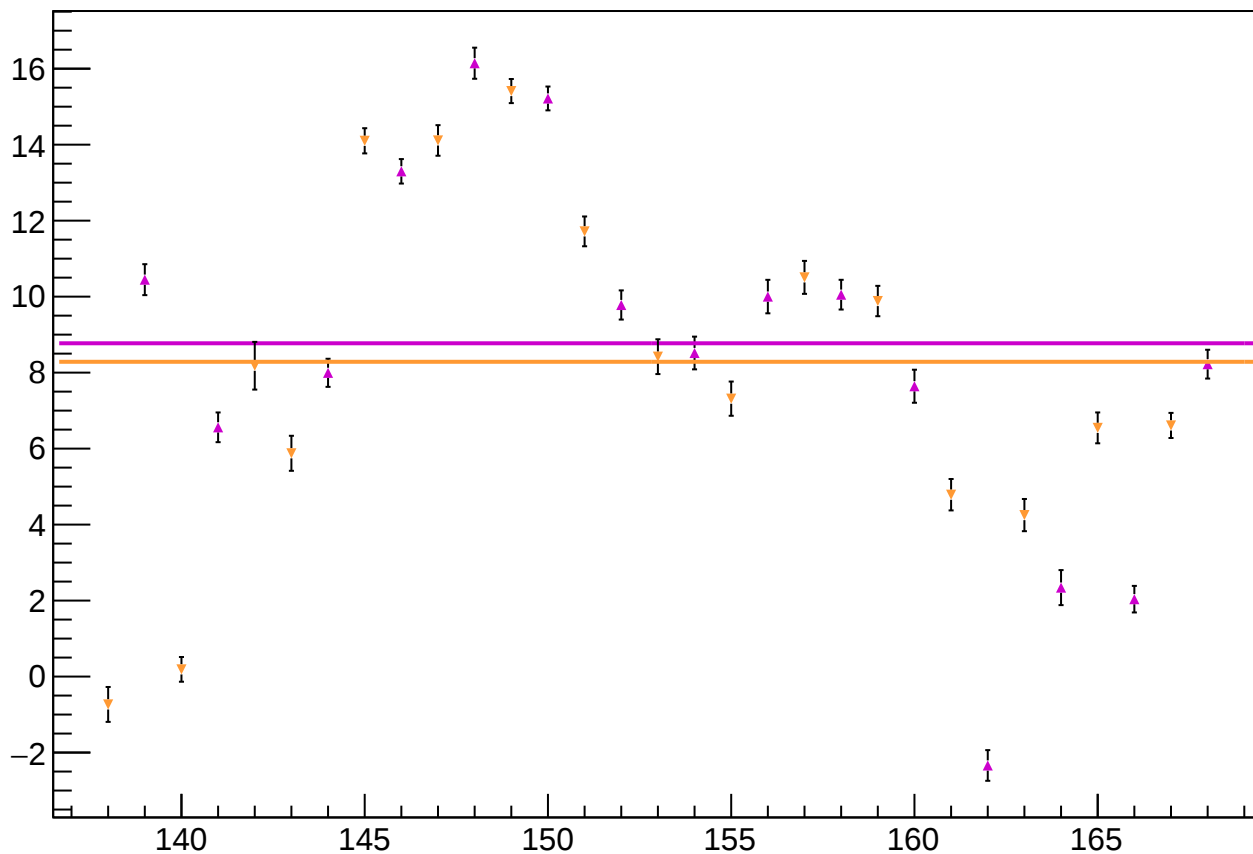
Left In: 5.038 $\pm$ 0.074 χ^2 /NDF:2569.0/14

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

All: 5.195 $\pm$ 0.051 χ^2 /NDF: 4471.8/30

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

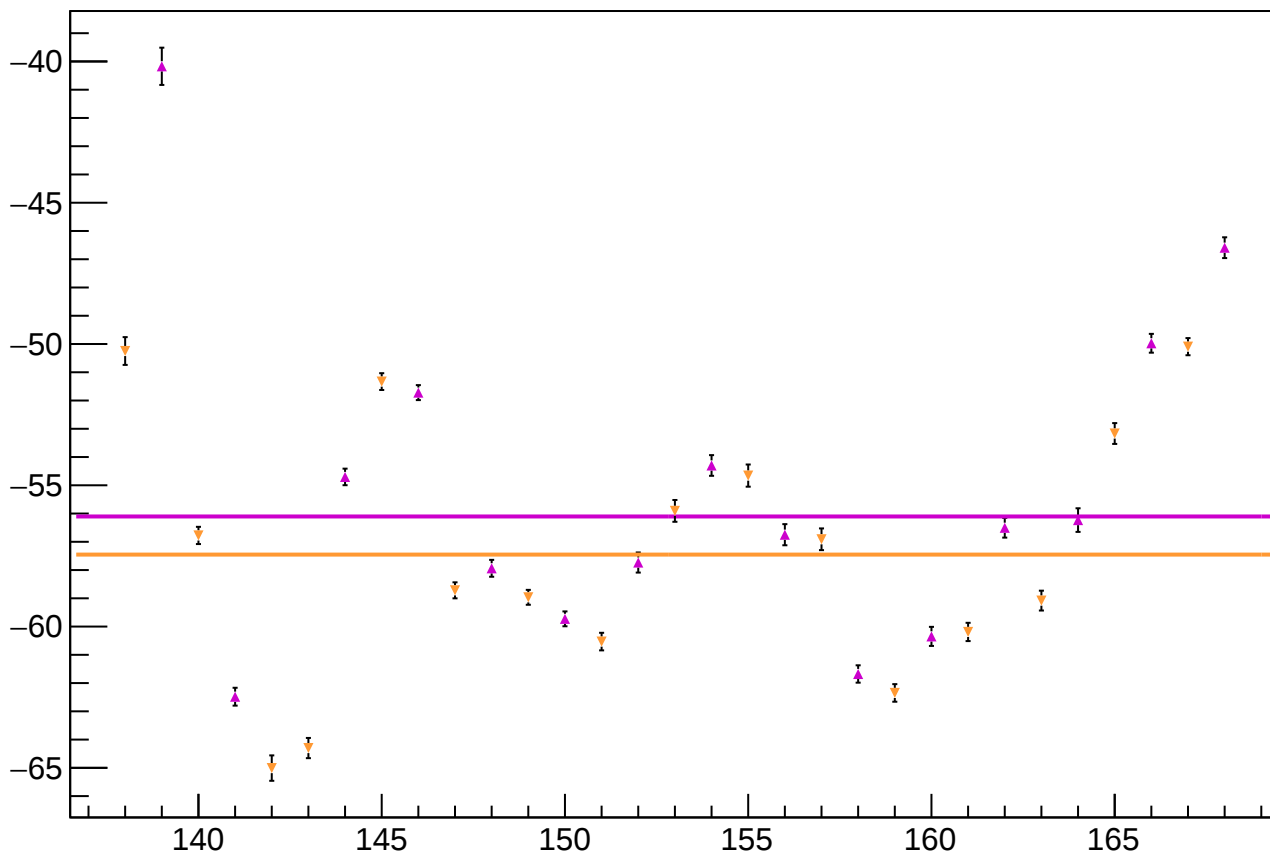
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.285+/-0.099 χ^2/NDF :2383.7/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.772+/-0.100 χ^2/NDF :2355.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 8.529+/-0.070 χ^2/NDF : 4751.1/30
 - 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: -57.453+/-0.084 χ^2/NDF : 2577.2/15

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

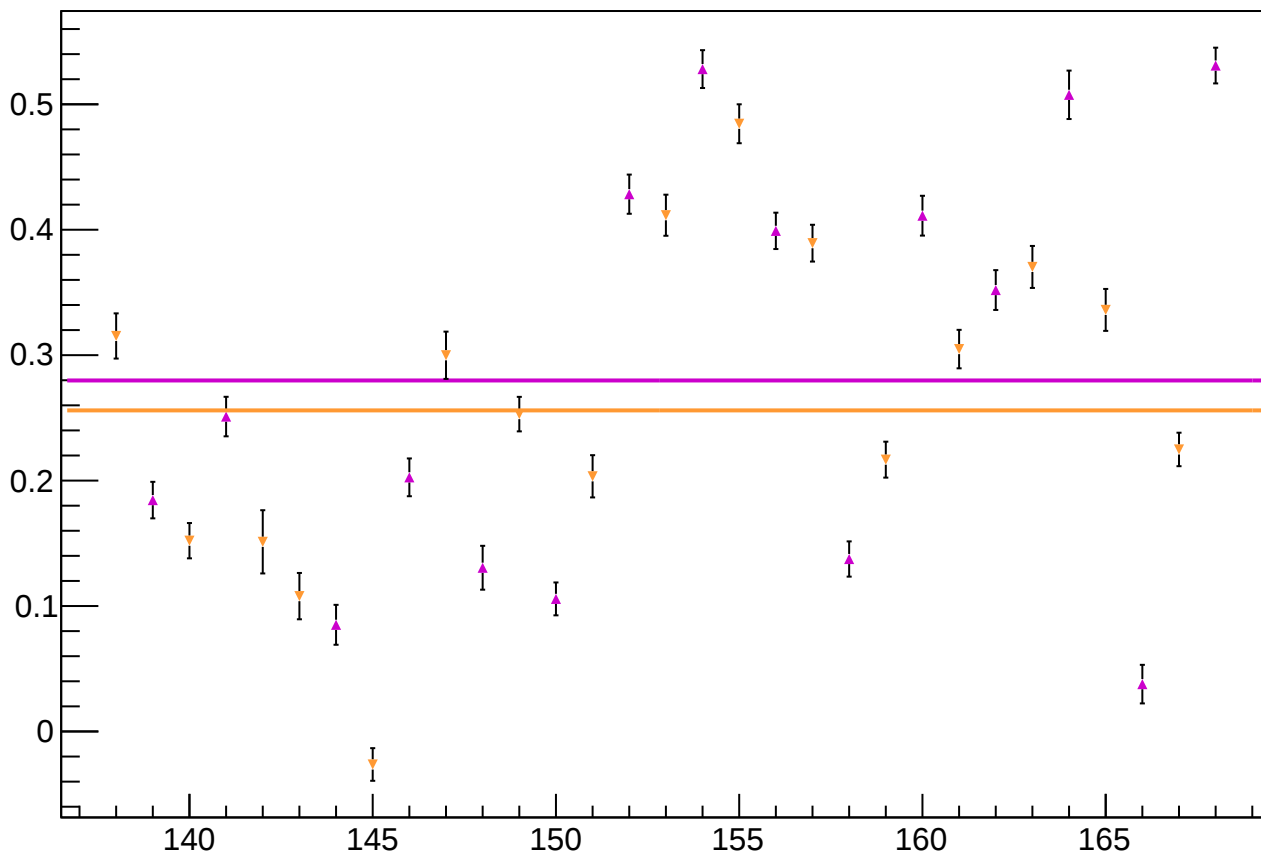
Left In: -56.104+/-0.086 χ^2/NDF : 3060.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -56.793+/-0.060 χ^2/NDF : 5764.2/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

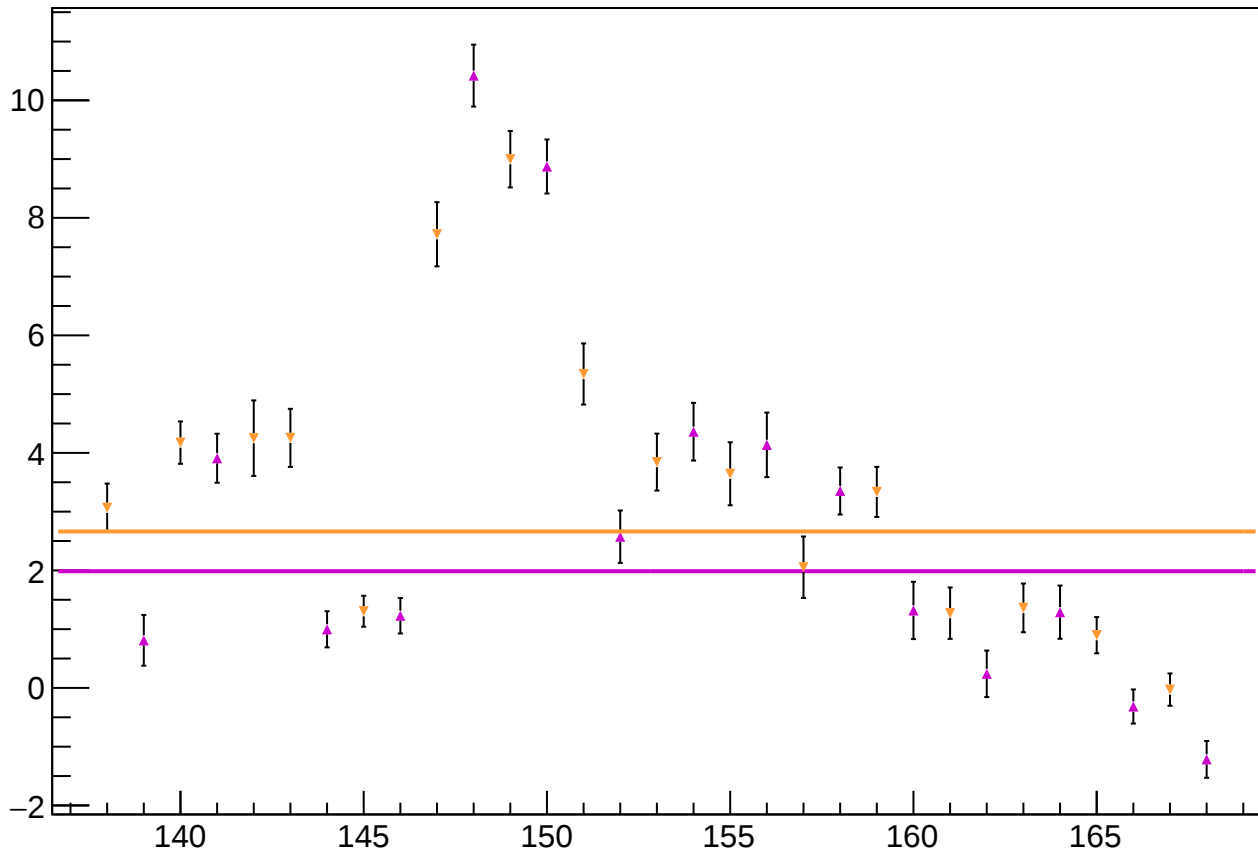
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.256 $\pm$ 0.004 χ^2 /NDF:1115.3/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.280 $\pm$ 0.004 χ^2 /NDF:1789.7/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.268 $\pm$ 0.003 χ^2 /NDF: 2923.4/30
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

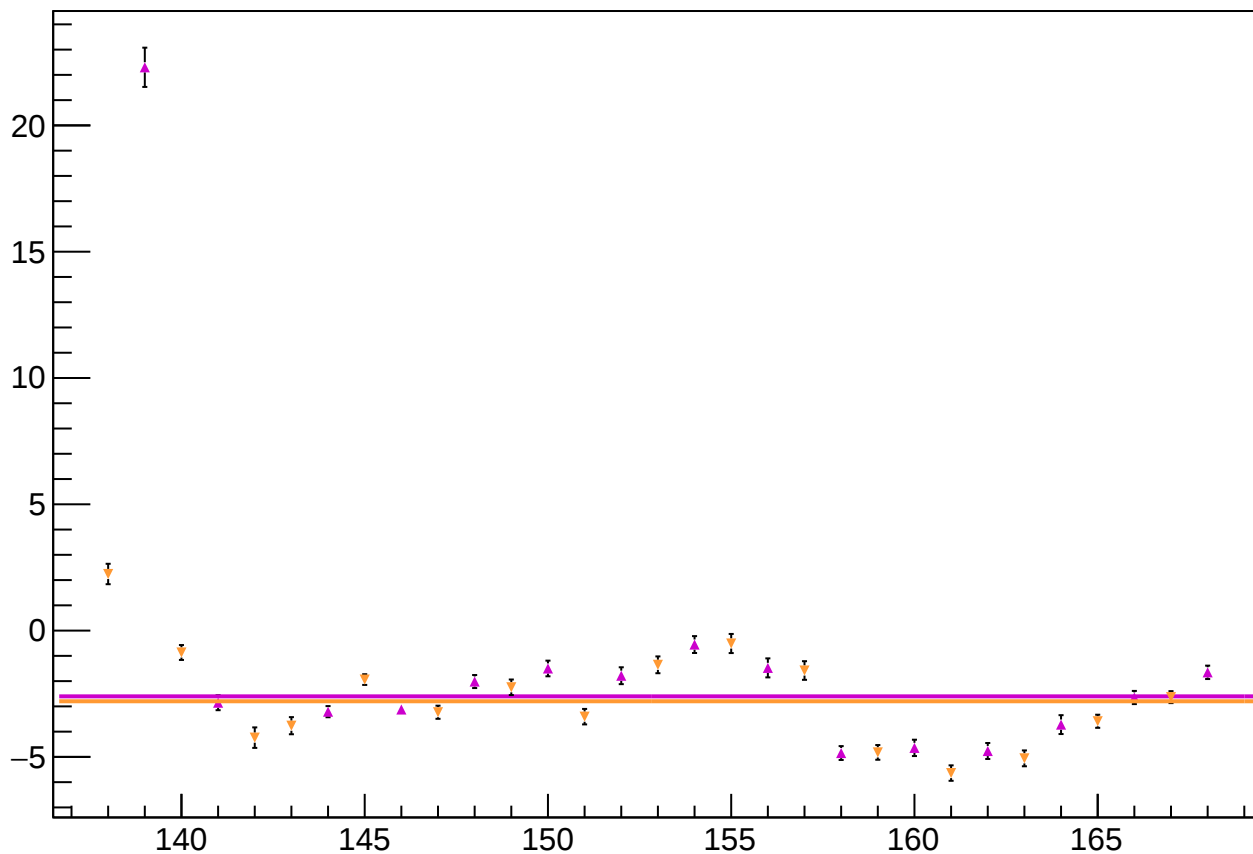
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.662 $\pm$ 0.101 χ^2 /NDF:509.2/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.986 $\pm$ 0.101 χ^2 /NDF:769.3/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 2.325 $\pm$ 0.072 χ^2 /NDF: 1300.8/30
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

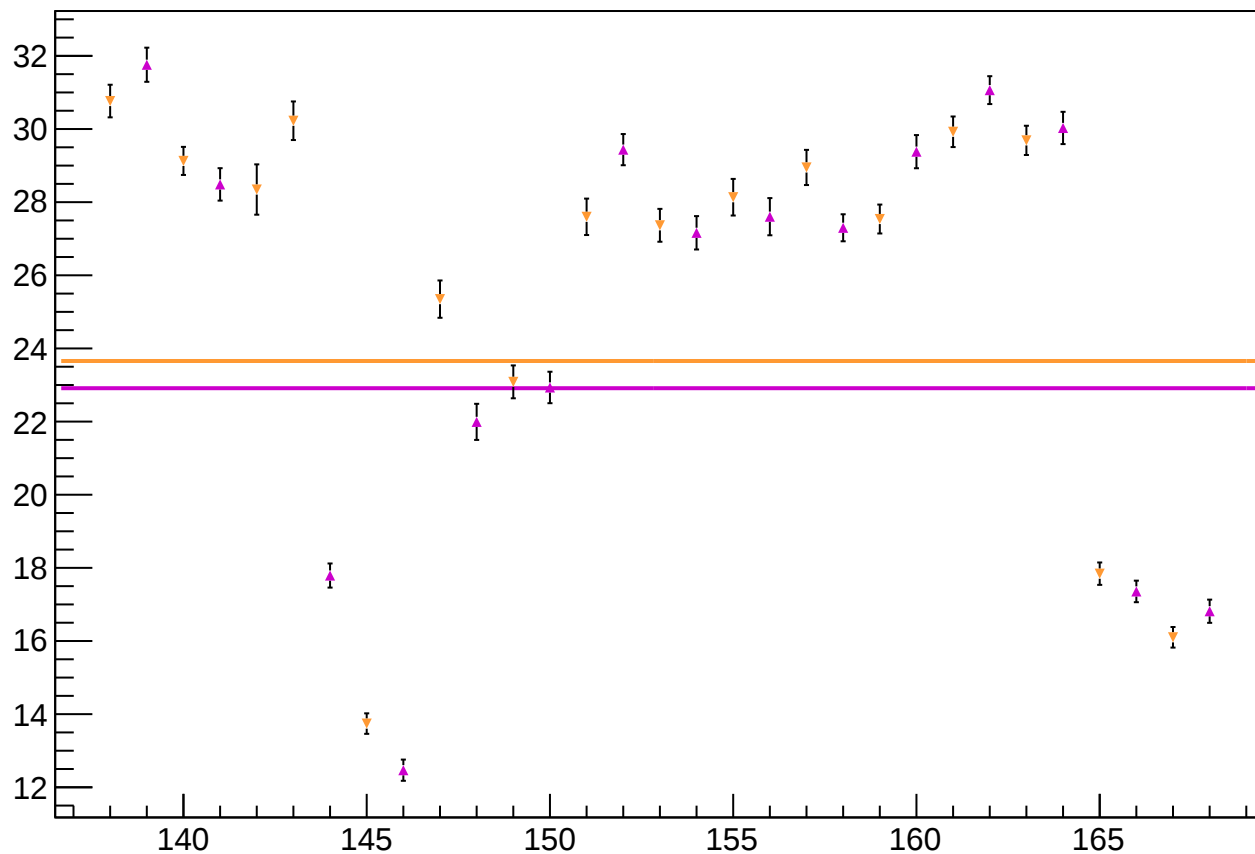
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.797 $\pm$ 0.075 χ^2 /NDF:507.8/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.603 $\pm$ 0.075 χ^2 /NDF:1288.0/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -2.700 $\pm$ 0.053 χ^2 /NDF: 1799.2/30
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

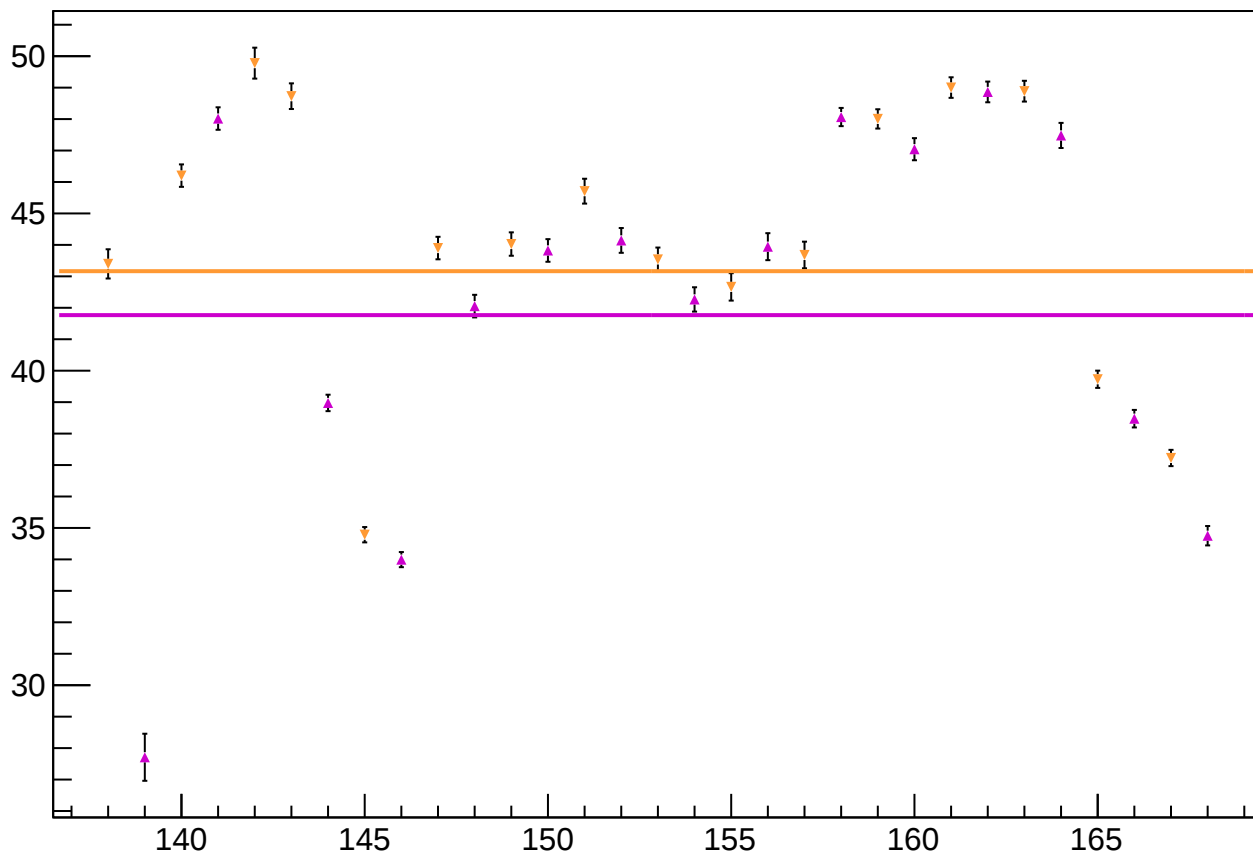
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 23.657+/-0.101 χ^2/NDF : 3884.1/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 22.913+/-0.100 χ^2/NDF : 4251.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 23.281+/-0.071 χ^2/NDF : 8162.8/30
 - 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: 43.164+/-0.086 χ^2/NDF : 3226.6/15

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

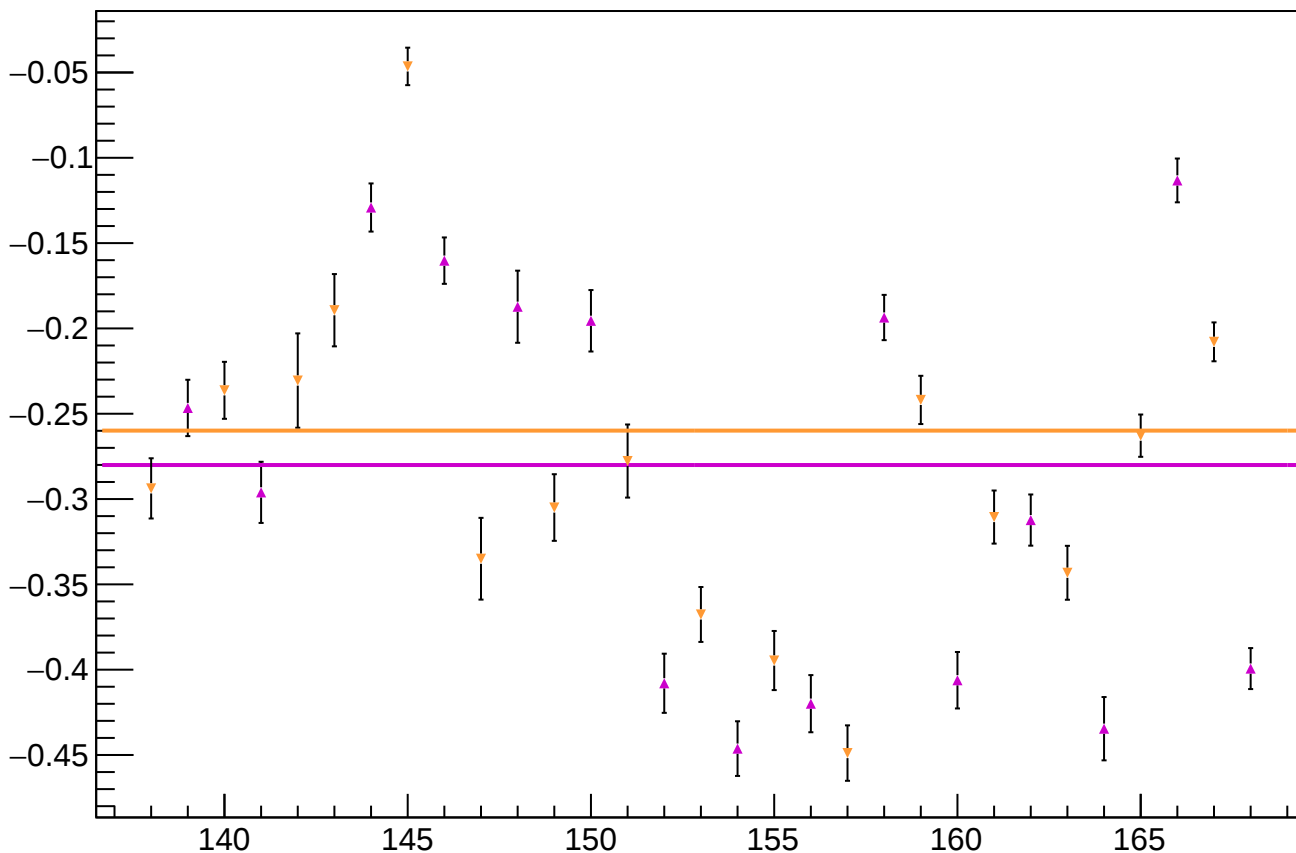
Left In: 41.767+/-0.086 χ^2/NDF : 3939.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 42.470+/-0.061 χ^2/NDF : 7298.0/30

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

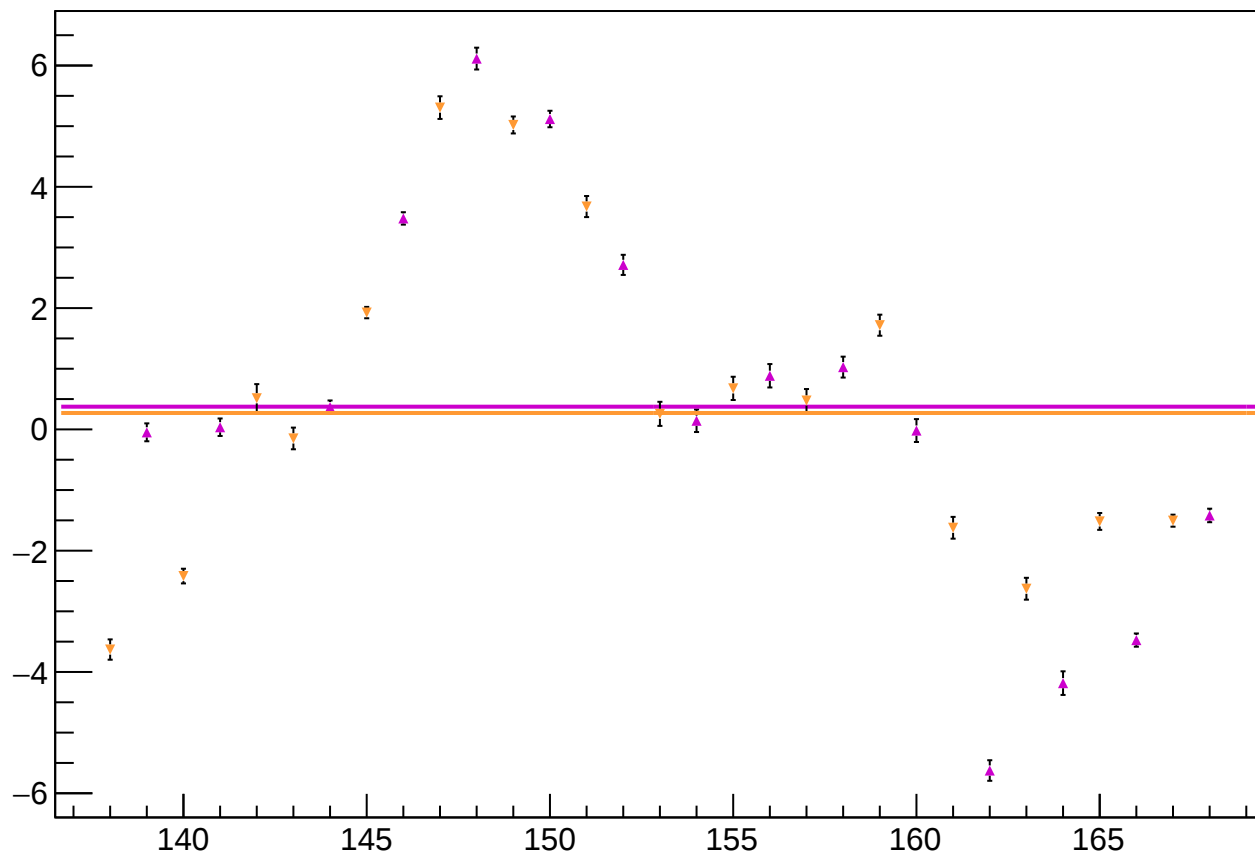
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.260+/-0.004 χ^2/NDF : 713.0/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.280+/-0.004 χ^2/NDF : 912.0/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -0.270+/-0.003 χ^2/NDF : 1637.8/30
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

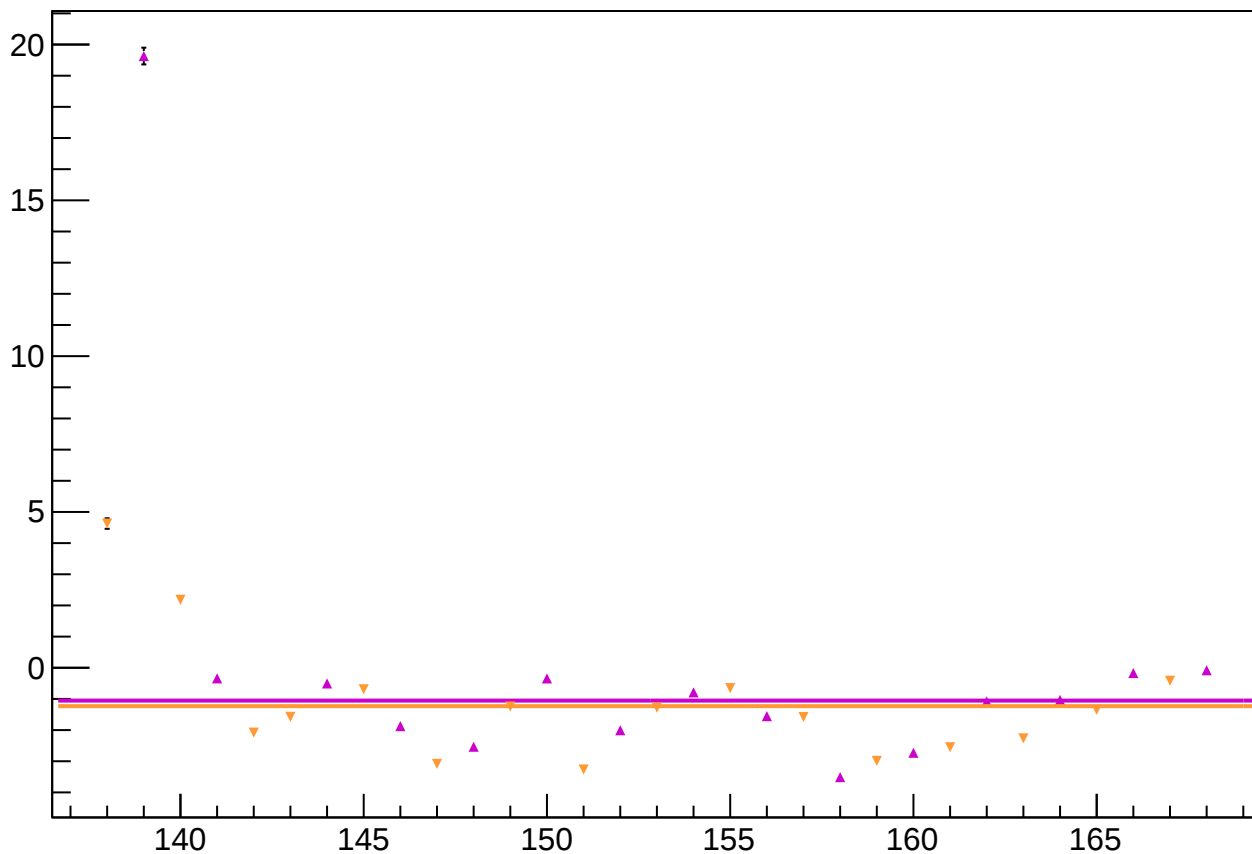
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.271 $\pm$ 0.038 χ^2 /NDF:4545.4/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.375 $\pm$ 0.037 χ^2 /NDF:6701.6/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.324 $\pm$ 0.026 χ^2 /NDF: 11250.9/30
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

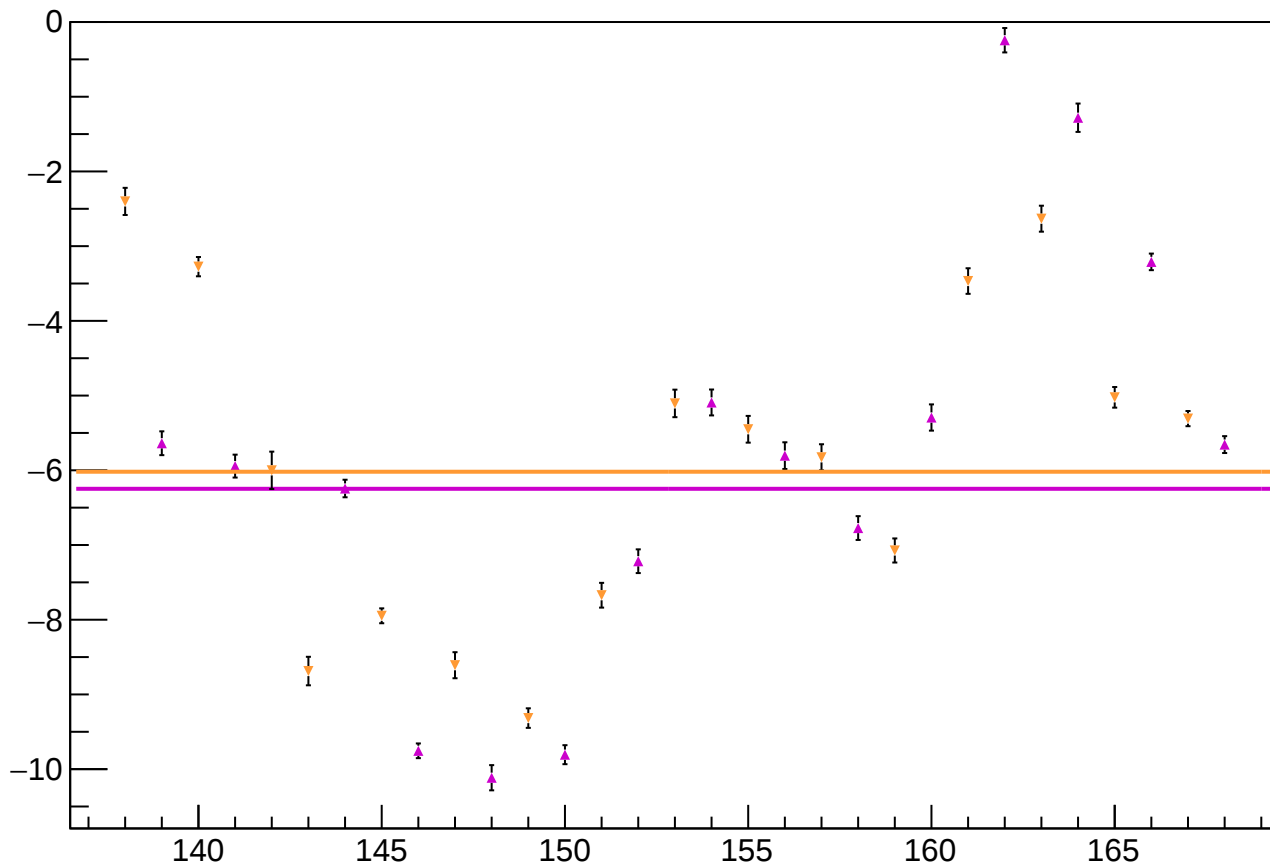
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -1.232 $\pm$ 0.028 χ^2 /NDF:3775.6/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.054 $\pm$ 0.027 χ^2 /NDF:7367.4/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -1.141 $\pm$ 0.019 χ^2 /NDF: 11164.4/30
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

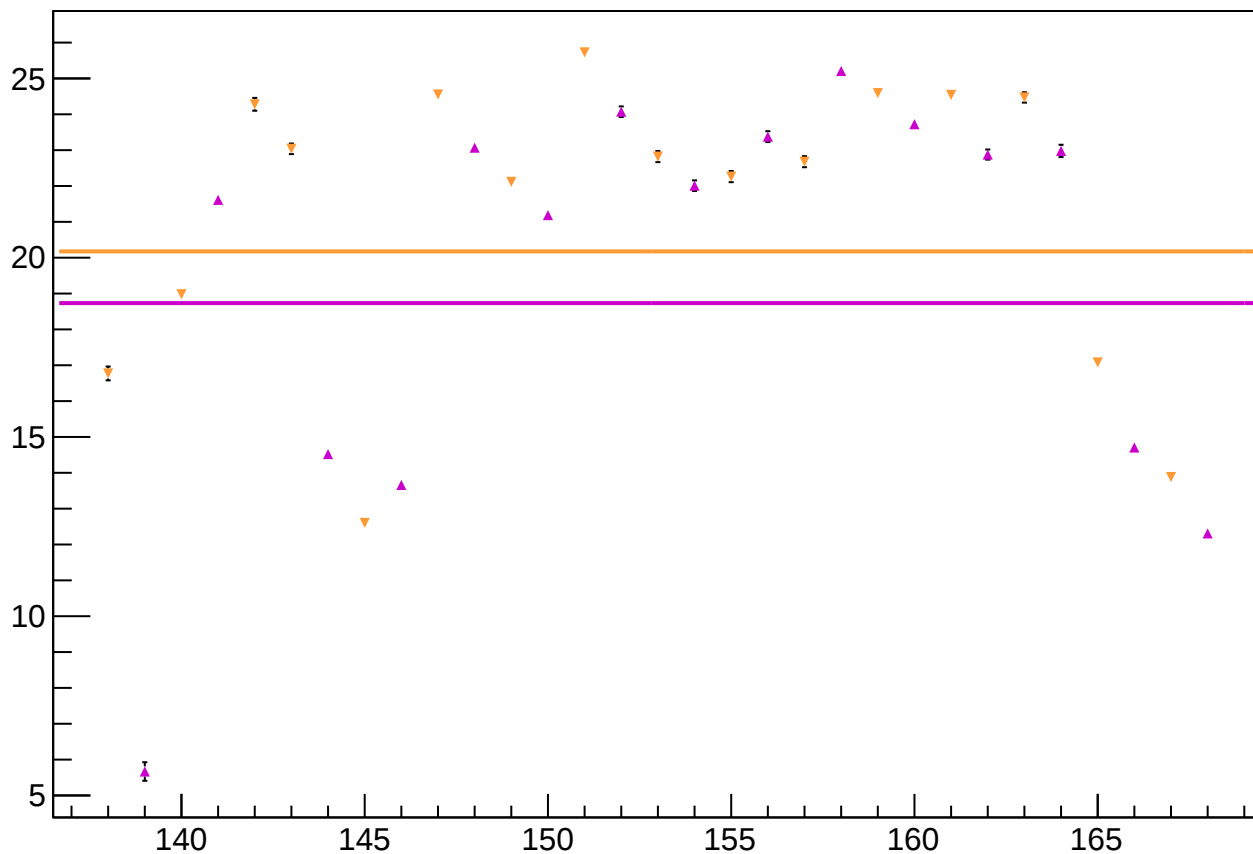
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.019 $\pm$ 0.038 χ^2 /NDF:3155.8/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.248 $\pm$ 0.036 χ^2 /NDF:5537.5/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -6.137 $\pm$ 0.026 χ^2 /NDF: 8712.4/30
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 20.176 $\pm$ 0.032 χ^2/NDF :21141.9/15

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

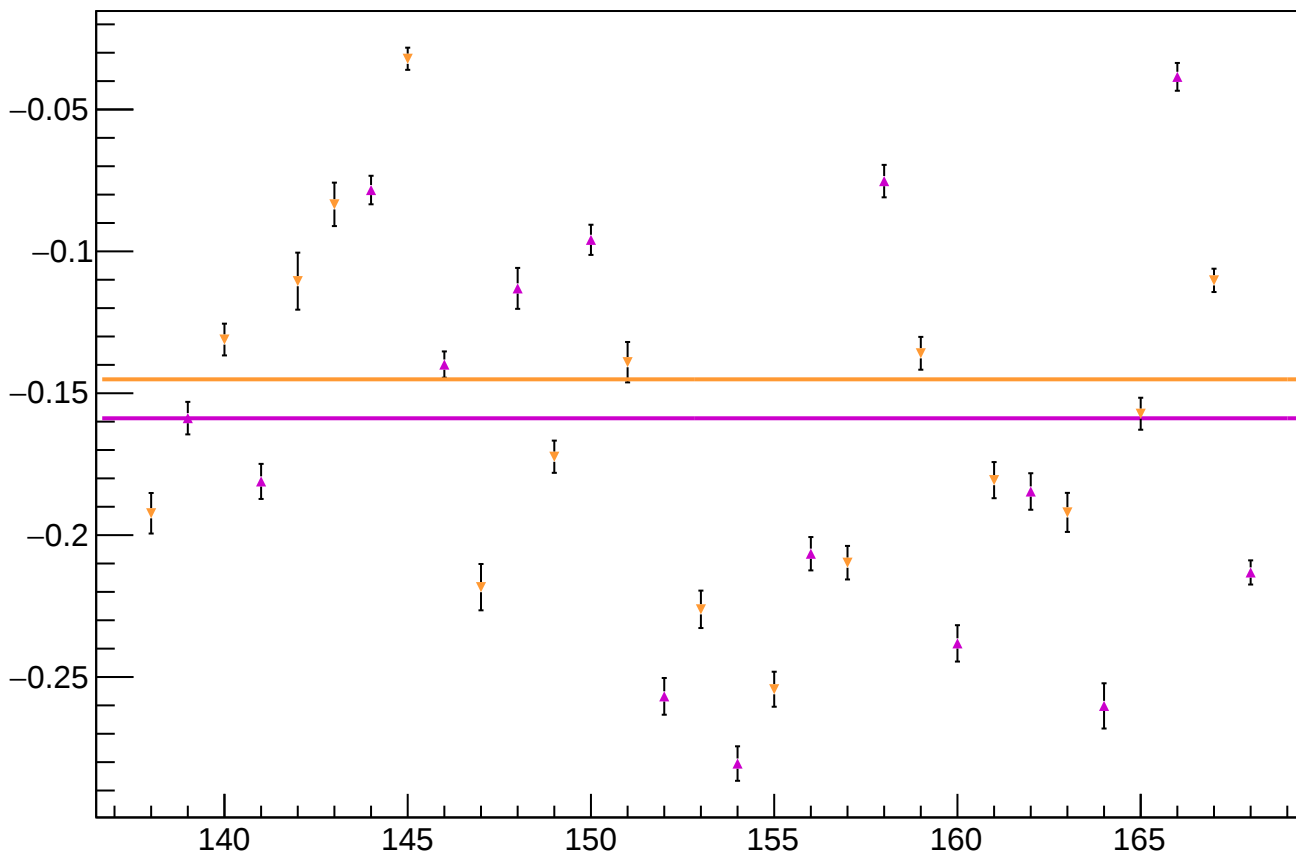
Left In: 18.734 $\pm$ 0.032 χ^2/NDF :23812.8/14

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

All: 19.446 $\pm$ 0.022 χ^2/NDF : 45989.1/30

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

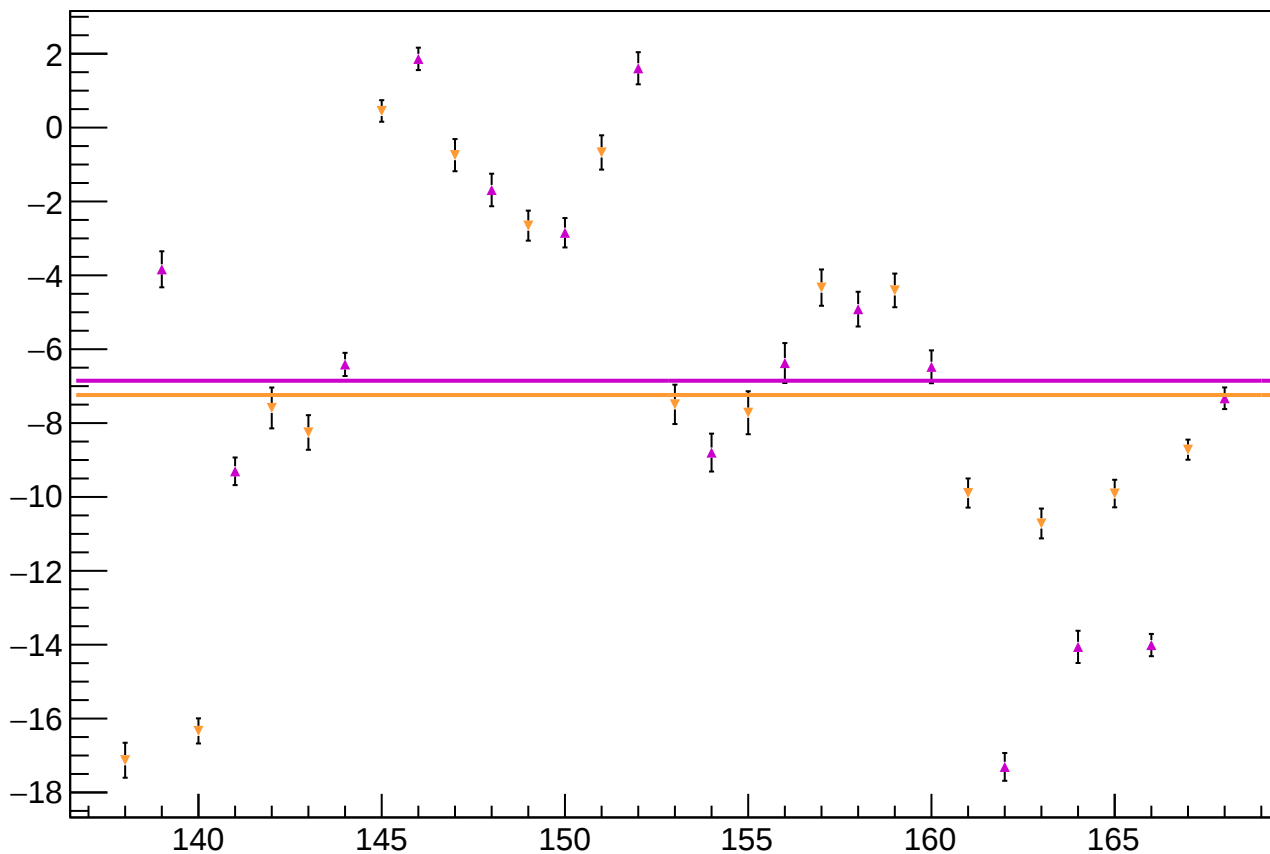
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.145 $\pm$ 0.001 χ^2 /NDF:1807.4/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.159 $\pm$ 0.001 χ^2 /NDF:2472.0/14

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.152 $\pm$ 0.001 χ^2 /NDF: 4322.9/30
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

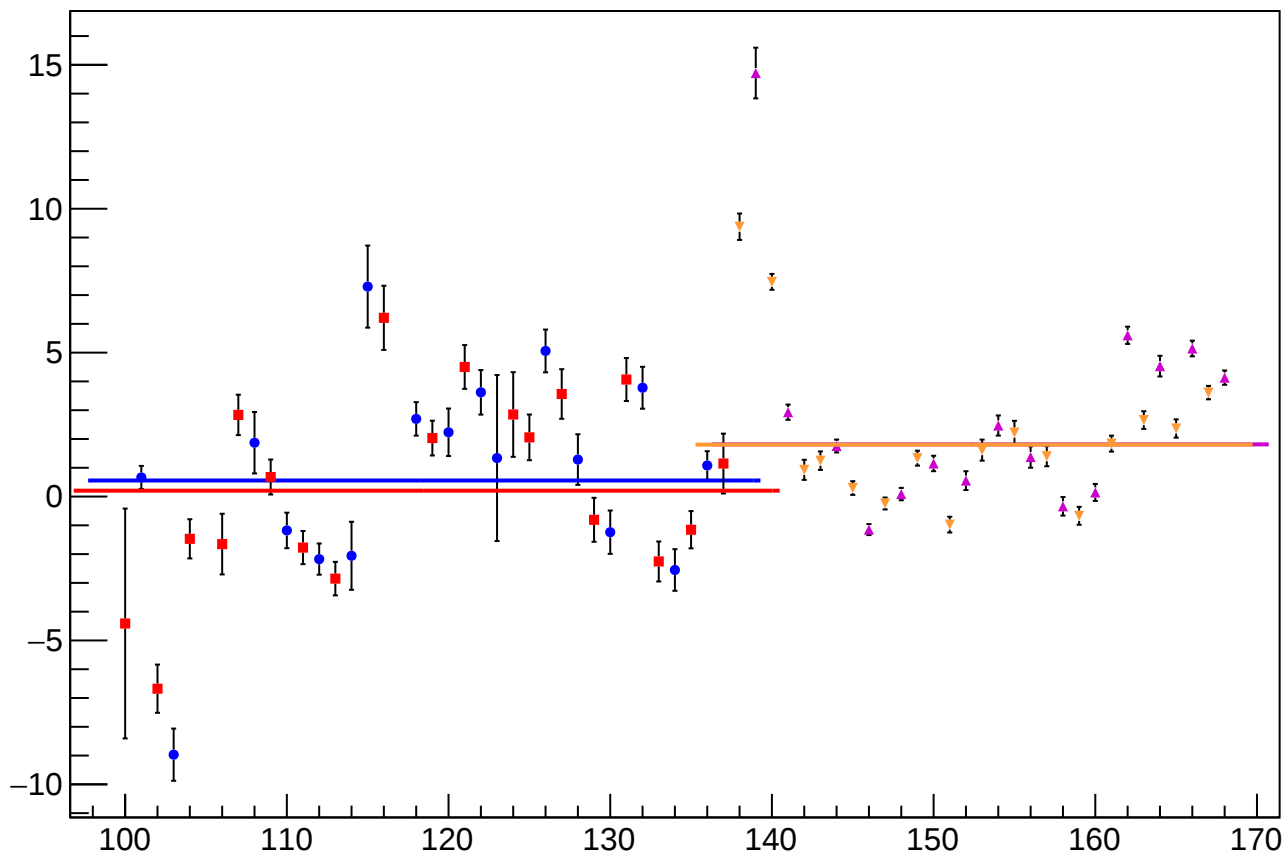
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.240+/-0.101 χ^2/NDF : 2674.5/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.853+/-0.100 χ^2/NDF : 3167.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -7.043+/-0.071 χ^2/NDF : 5849.4/30
 - 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: 1.803 ± 0.073 χ^2/NDF : 1080.2/15

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

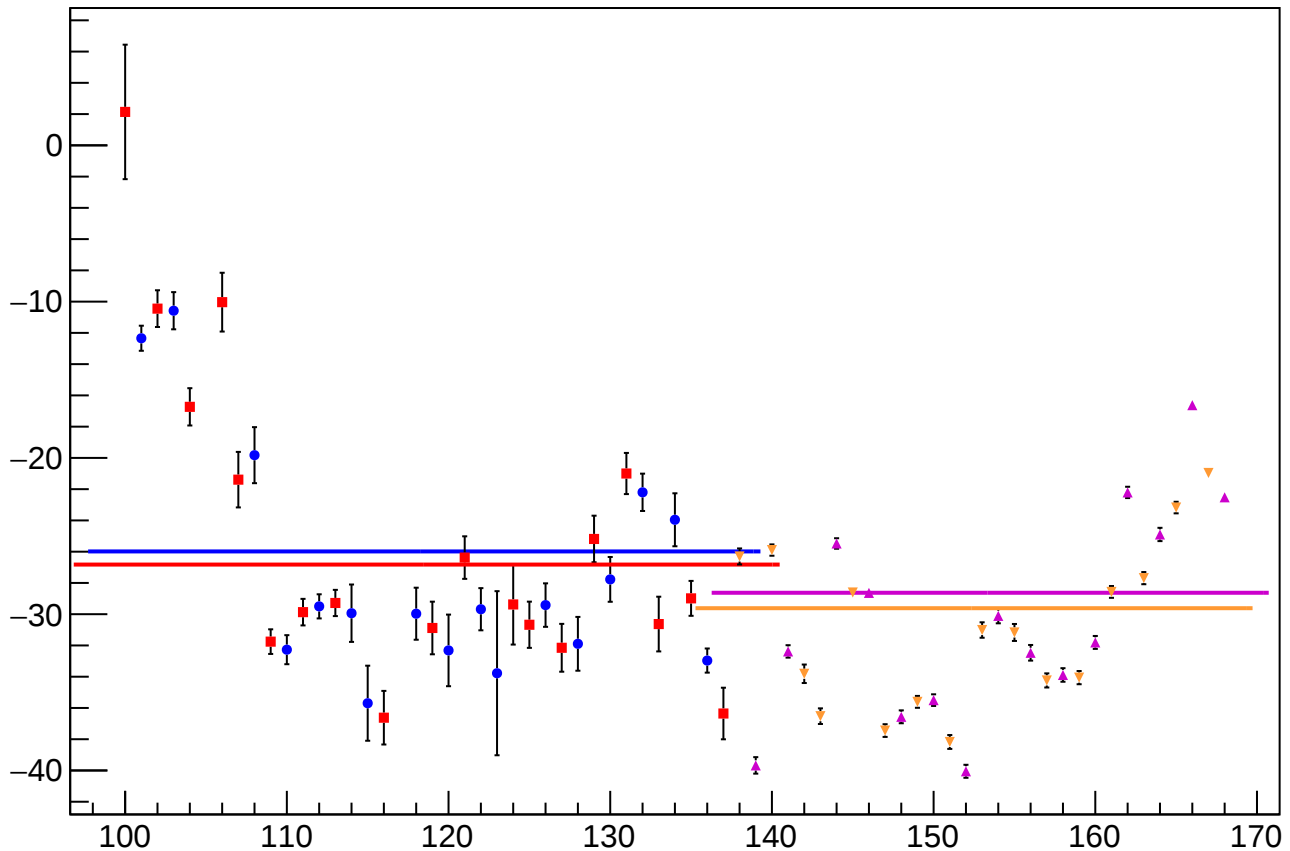
Left In: 1.812 ± 0.072 χ^2/NDF : 1093.1/14

+ sign 1.610 ± 0.067 χ^2/NDF : 1413.4/32

All: 1.594 ± 0.047 χ^2/NDF : 2851.1/66

- sign 1.578 ± 0.067 χ^2/NDF : 1437.6/33

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -29.617 ± 0.101 χ^2/NDF : 2922.7/15

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

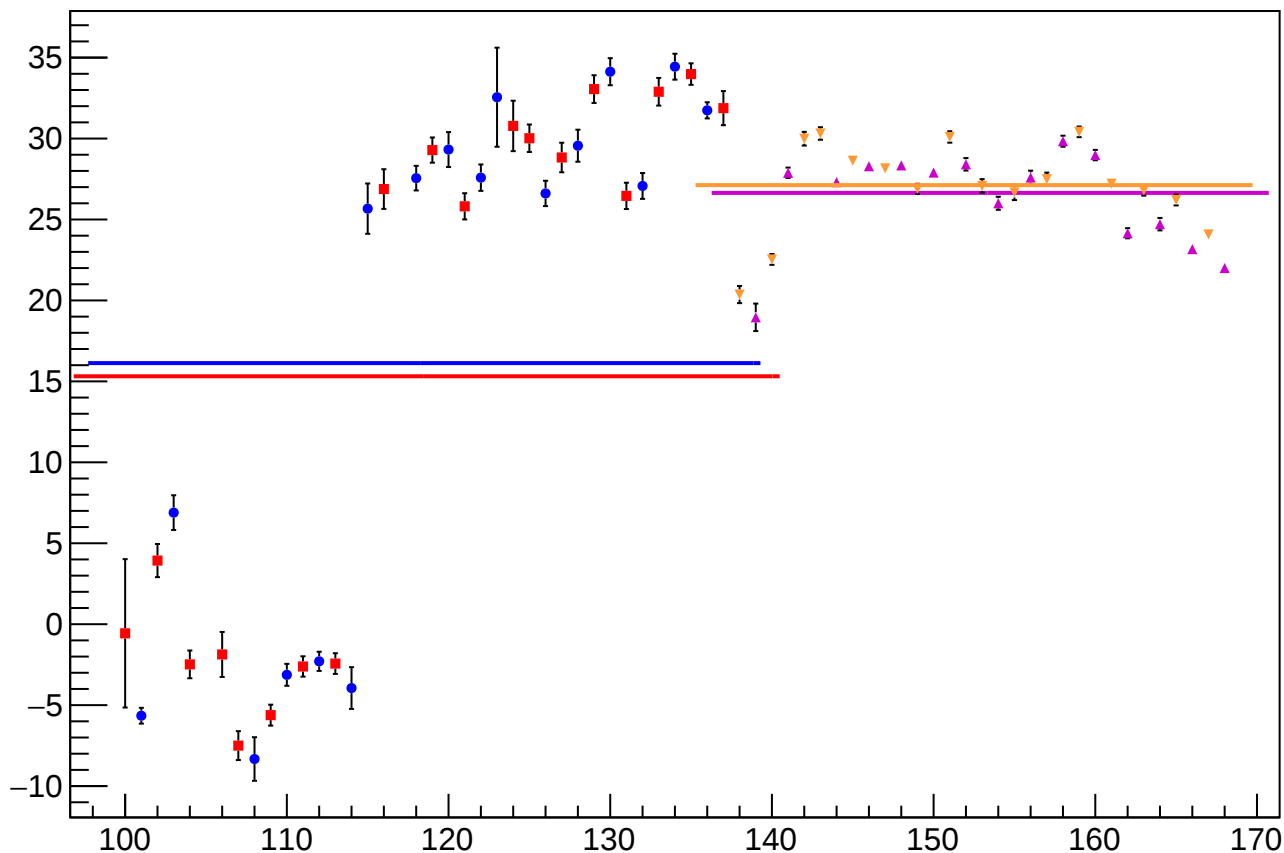
Left In: -28.629 ± 0.098 χ^2/NDF : 4693.4/14

+ sign -29.250 ± 0.096 χ^2/NDF : 3745.7/32

All: -28.841 ± 0.067 χ^2/NDF : 9089.5/66

- sign -28.452 ± 0.093 χ^2/NDF : 5308.1/33

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: 27.123 $\pm$ 0.085 χ^2 /NDF: 834.0/15

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

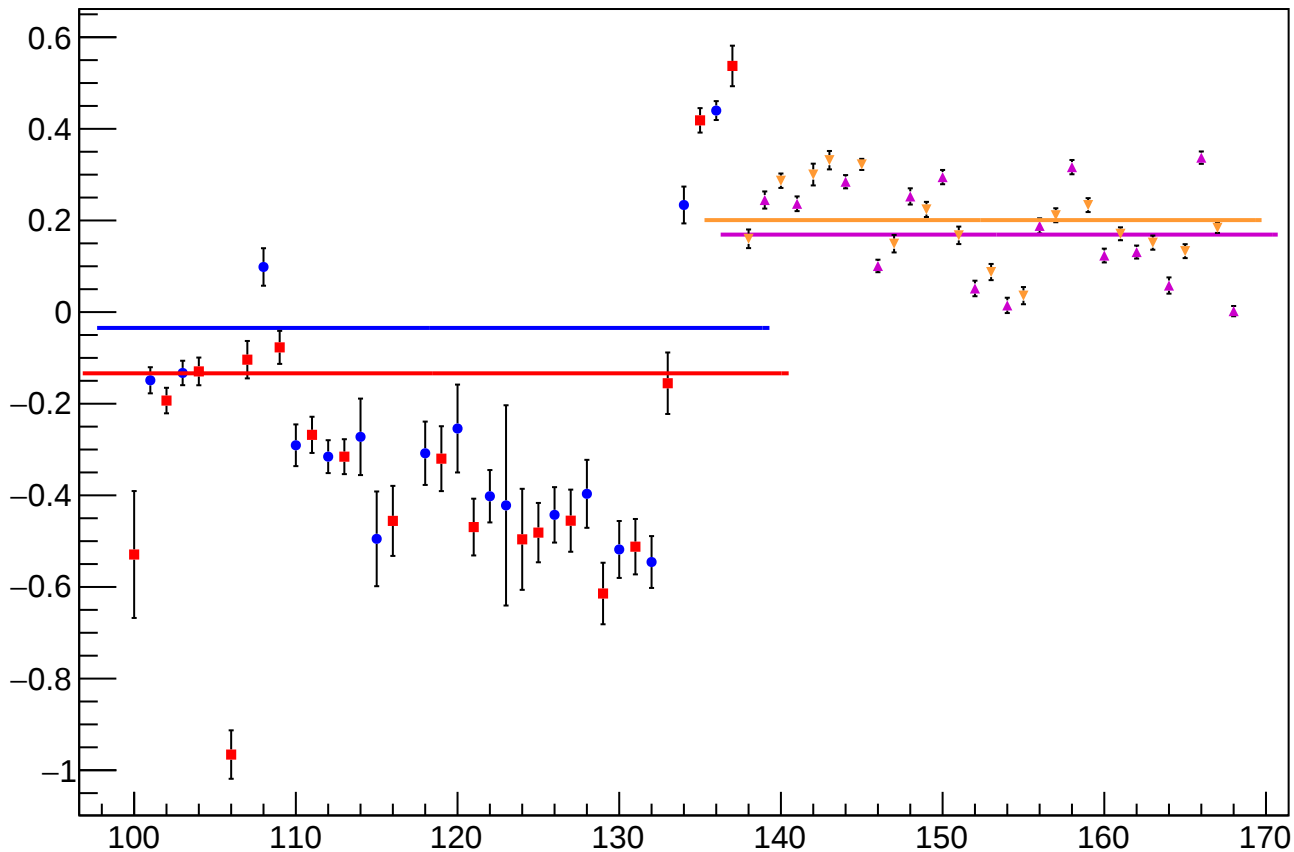
Left In: 26.643 $\pm$ 0.084 χ^2 /NDF: 858.3/14

+ sign 25.335 $\pm$ 0.077 χ^2 /NDF: 11150.4/32

All: 25.118 $\pm$ 0.055 χ^2 /NDF: 22100.3/66

- sign 24.902 $\pm$ 0.077 χ^2 /NDF: 10934.3/33

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.201 ± 0.004 χ^2/NDF : 366.5/15

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

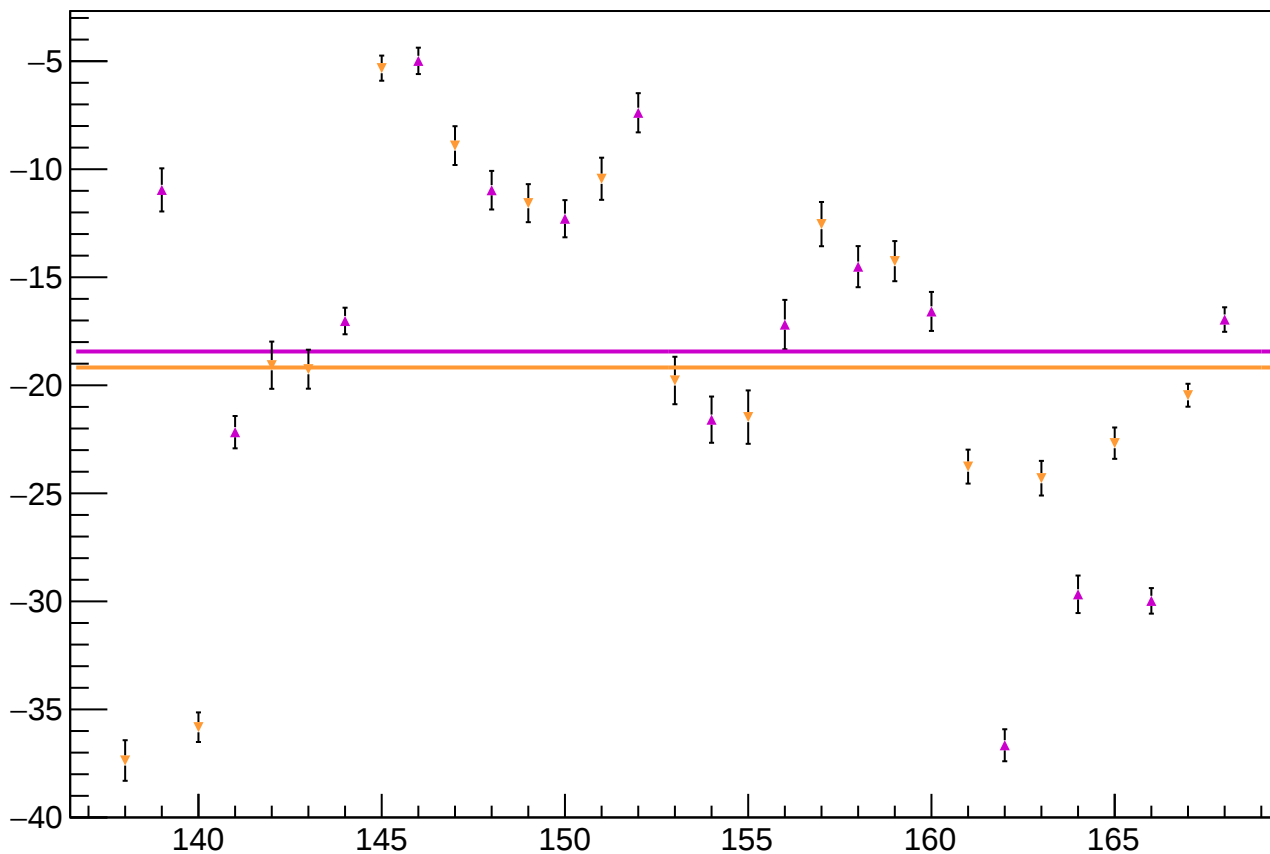
Left In: 0.169 ± 0.004 χ^2/NDF : 865.5/14

+ sign 0.170 ± 0.004 χ^2/NDF : 1829.6/32

All: 0.150 ± 0.003 χ^2/NDF : 4657.7/66

- sign 0.131 ± 0.004 χ^2/NDF : 2772.5/33

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -19.176+/-0.204 χ^2/NDF :1997.1/15

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

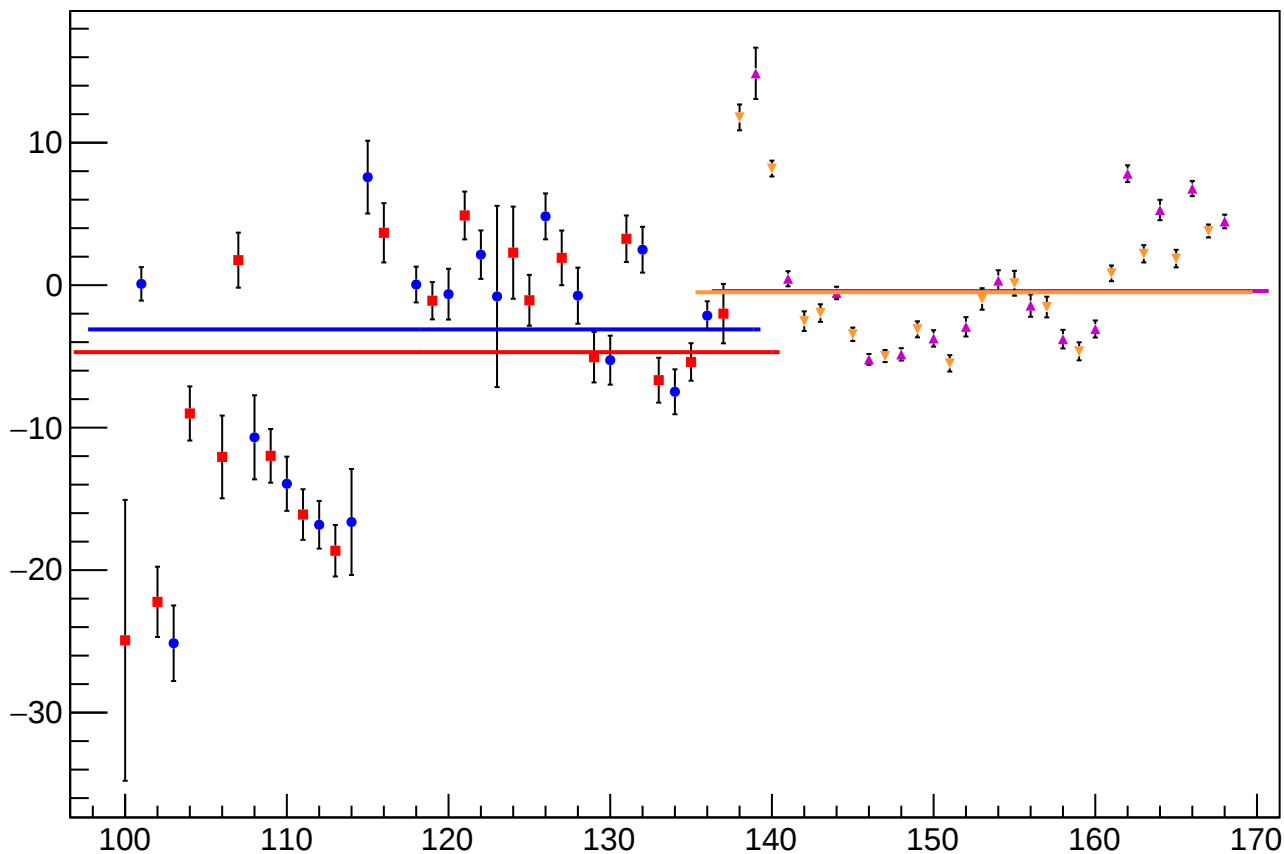
Left In: -18.436+/-0.200 χ^2/NDF :2032.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -18.799+/-0.143 χ^2/NDF : 4036.6/30

- 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: -0.497 ± 0.147 χ^2/NDF : 863.7/15

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

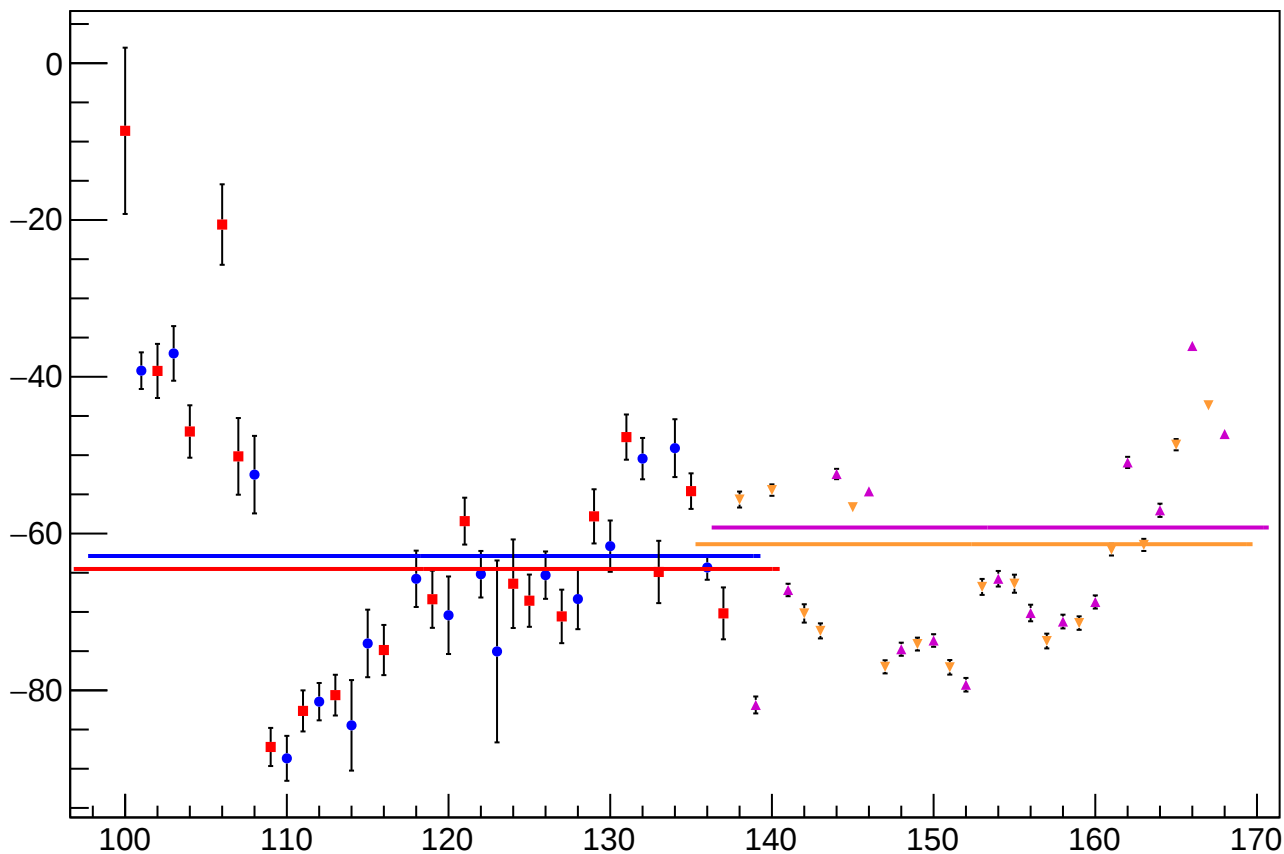
Left In: -0.411 ± 0.145 χ^2/NDF : 979.4/14

+ sign -0.793 ± 0.138 χ^2/NDF : 1178.5/32

All: -0.823 ± 0.097 χ^2/NDF : 2546.3/66

- sign -0.853 ± 0.137 χ^2/NDF : 1367.8/33

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -61.357 ± 0.203 χ^2/NDF : 2970.7/15

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

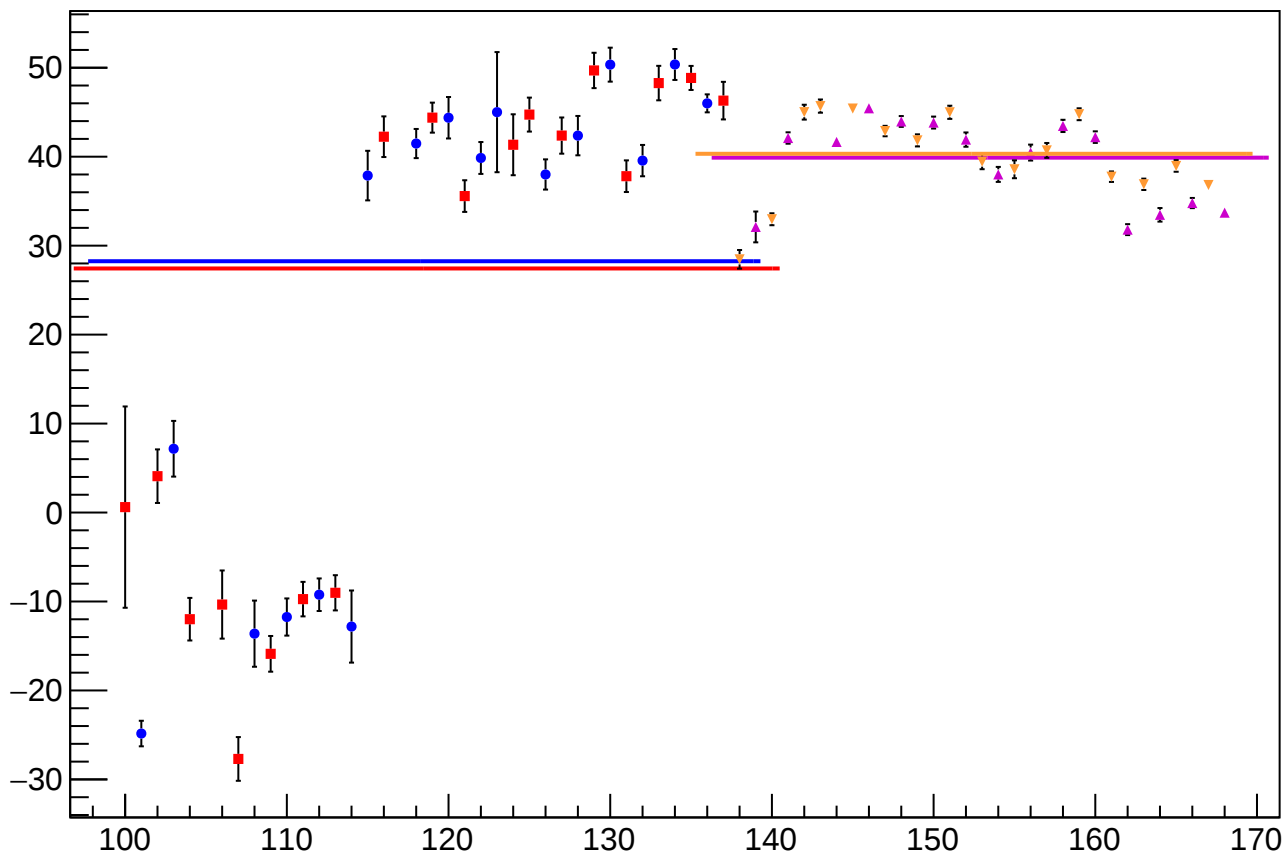
Left In: -59.229 ± 0.197 χ^2/NDF : 4421.9/14

+ sign -61.462 ± 0.196 χ^2/NDF : 3343.3/32

All: -60.491 ± 0.137 χ^2/NDF : 8303.6/66

- sign -59.569 ± 0.191 χ^2/NDF : 4912.4/33

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: 40.327 $\pm$ 0.171 χ^2 /NDF: 632.5/15

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

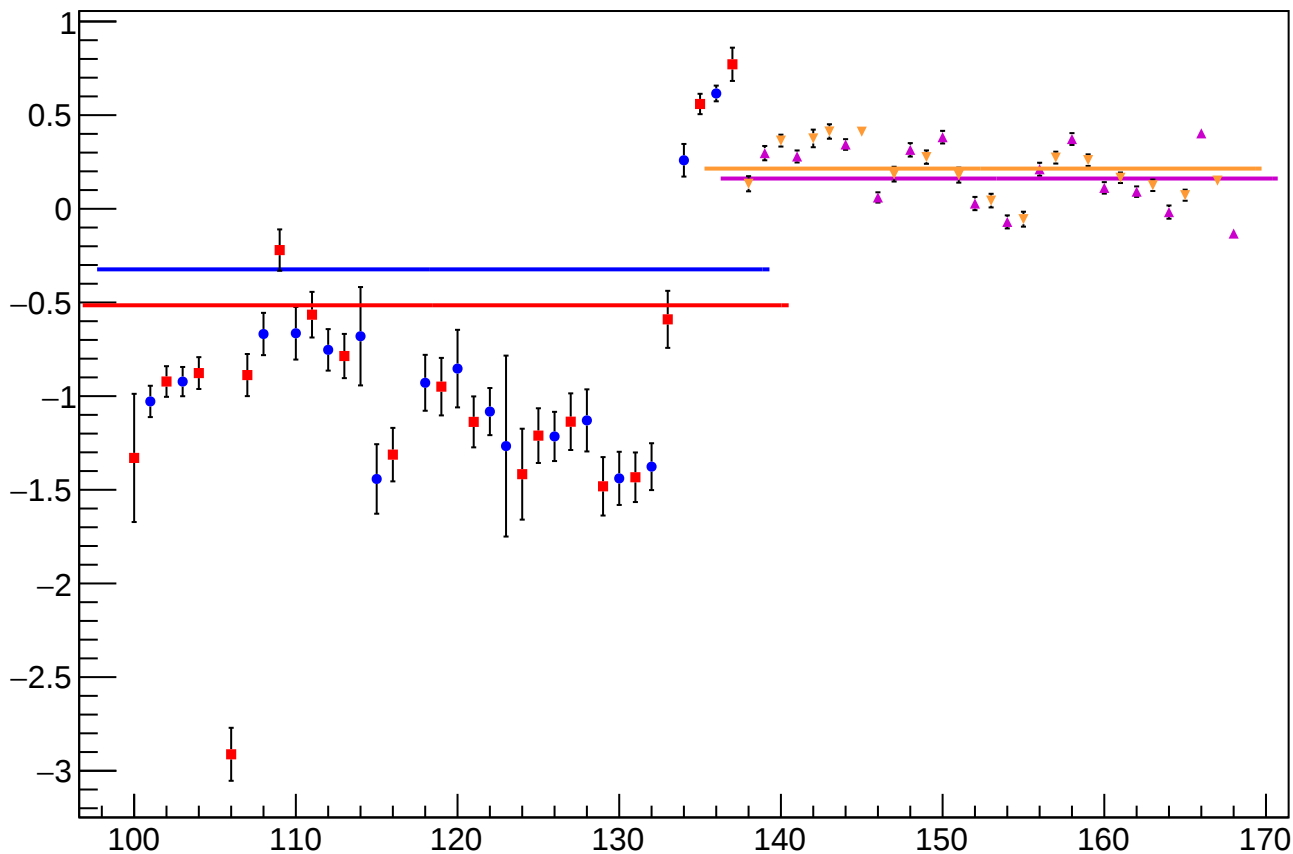
Left In: 39.892 $\pm$ 0.169 χ^2 /NDF: 755.9/14

+ sign 38.867 $\pm$ 0.160 χ^2 /NDF: 4557.6/32

All: 38.690 $\pm$ 0.113 χ^2 /NDF: 8950.5/66

- sign 38.515 $\pm$ 0.159 χ^2 /NDF: 4390.4/33

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.215 ± 0.008 χ^2/NDF : 251.1/15

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

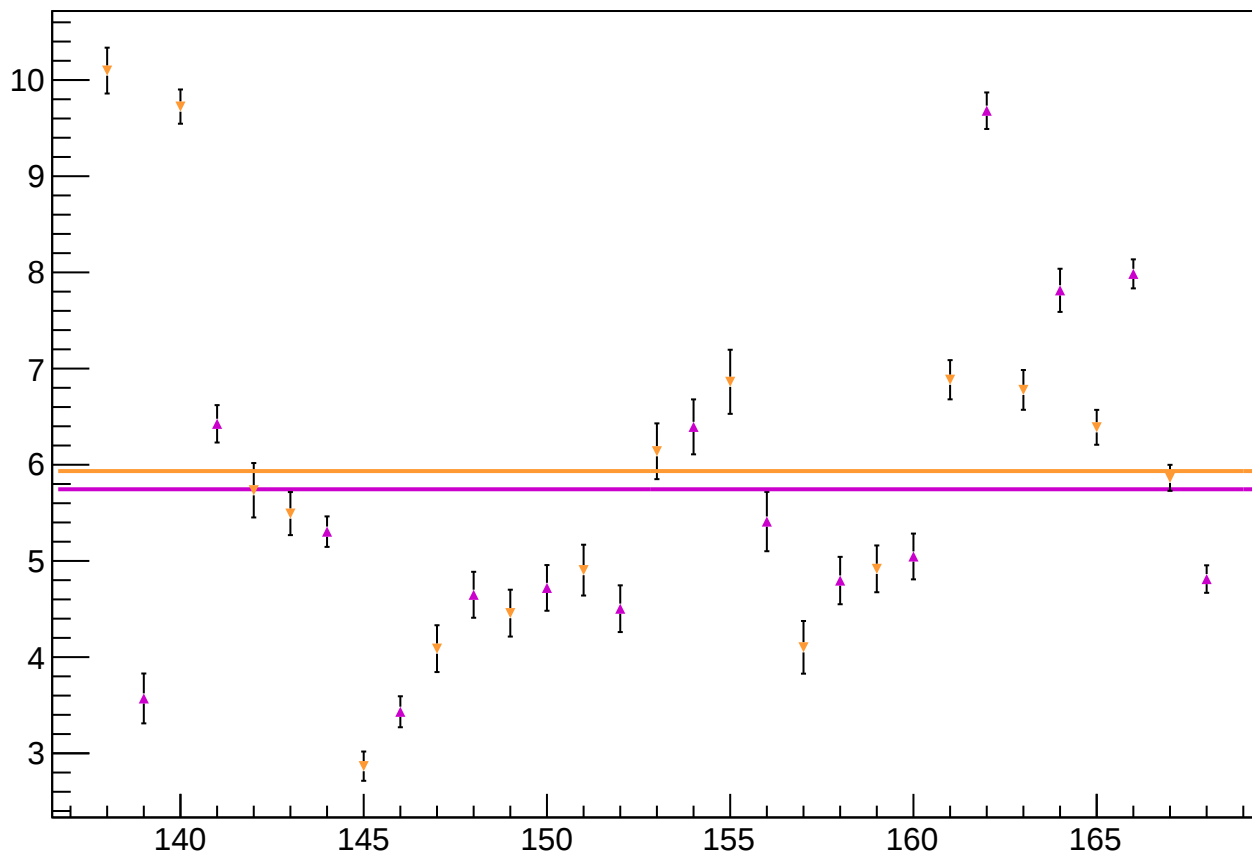
Left In: 0.162 ± 0.008 χ^2/NDF : 546.3/14

+ sign 0.164 ± 0.008 χ^2/NDF : 1682.8/32

All: 0.133 ± 0.005 χ^2/NDF : 4052.5/66

- sign 0.103 ± 0.008 χ^2/NDF : 2337.9/33

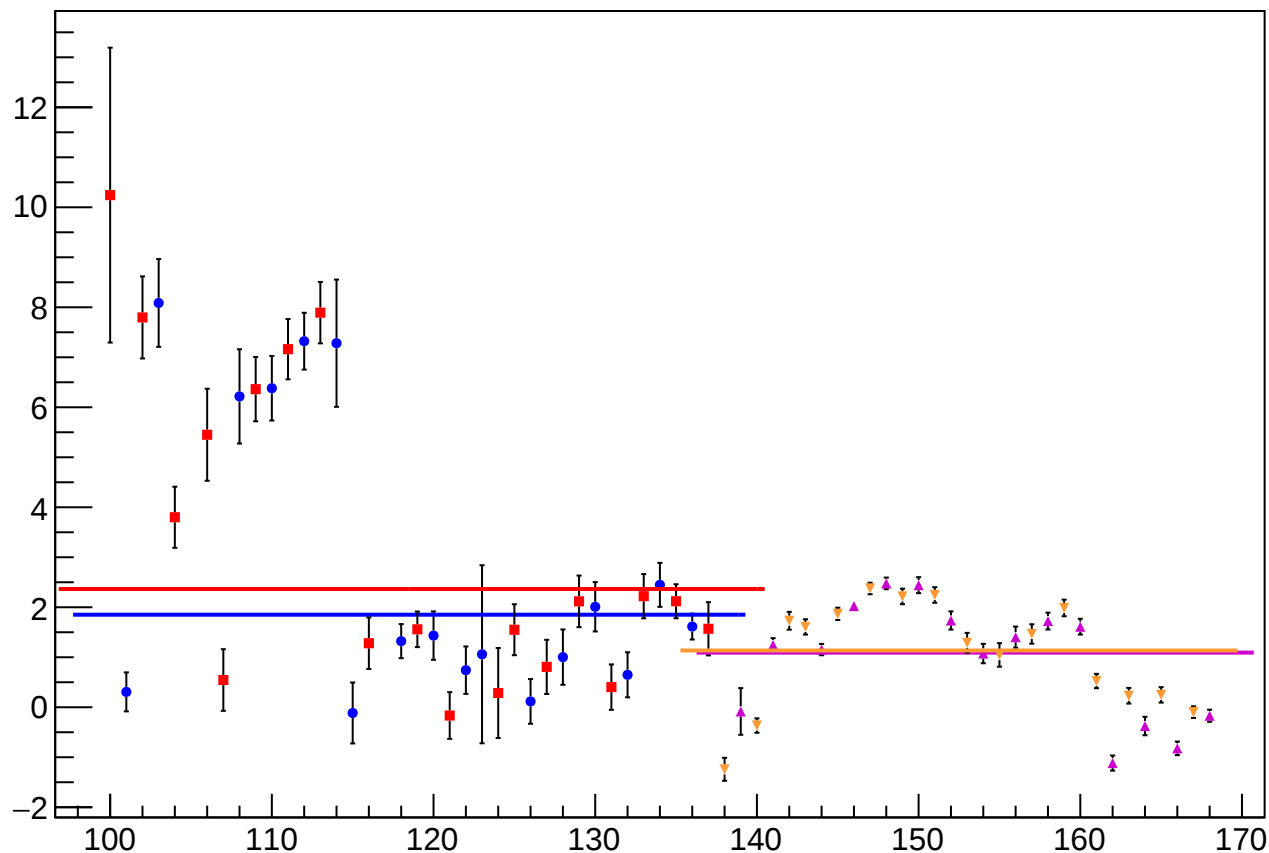
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.934+/-0.053 χ^2/NDF :1394.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.745+/-0.052 χ^2/NDF :1169.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 5.838+/-0.037 χ^2/NDF : 2570.5/30
 - 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: 1.135 ± 0.038 χ^2/NDF : 714.4/15

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

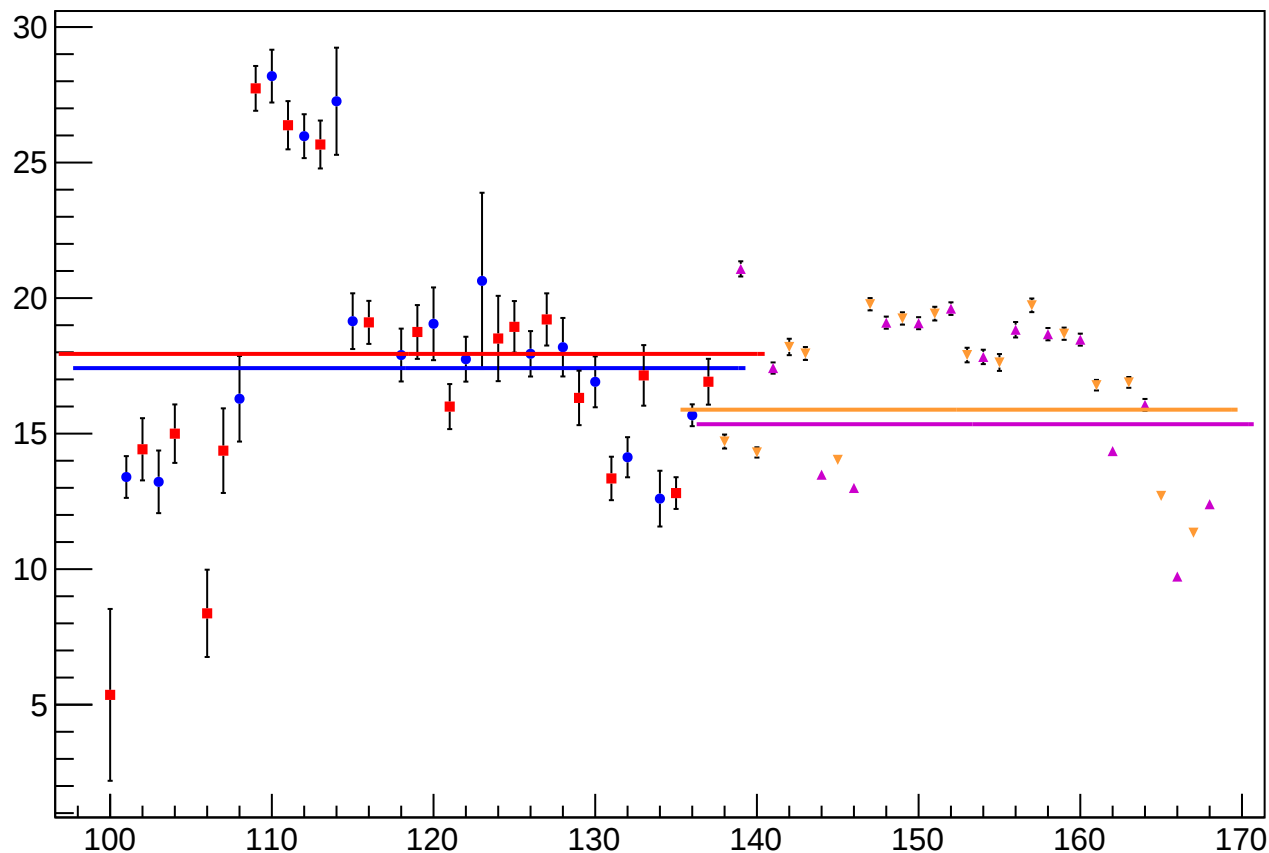
Left In: 1.093 ± 0.038 χ^2/NDF : 933.8/14

+ sign 1.205 ± 0.037 χ^2/NDF : 1042.2/32

All: 1.204 ± 0.026 χ^2/NDF : 2410.7/66

- sign 1.203 ± 0.036 χ^2/NDF : 1368.4/33

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 15.884 $\pm$ 0.053 χ^2 /NDF: 2972.7/15

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

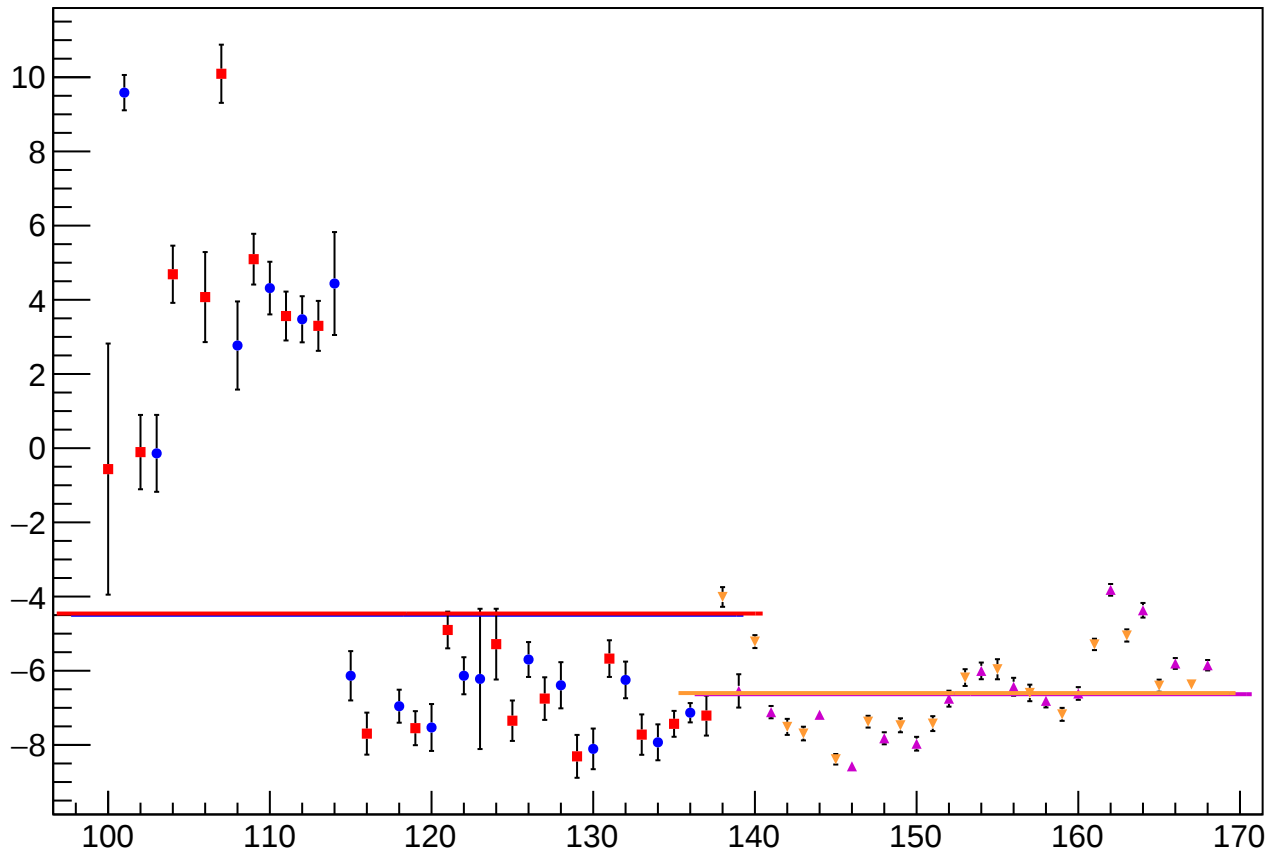
Left In: 15.347 $\pm$ 0.051 χ^2 /NDF: 4208.3/14

+ sign 15.973 $\pm$ 0.051 χ^2 /NDF: 3388.7/32

All: 15.722 $\pm$ 0.036 χ^2 /NDF: 8282.2/66

- sign 15.483 $\pm$ 0.050 χ^2 /NDF: 4846.7/33

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: -6.602 ± 0.044 χ^2/NDF : 617.3/15

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

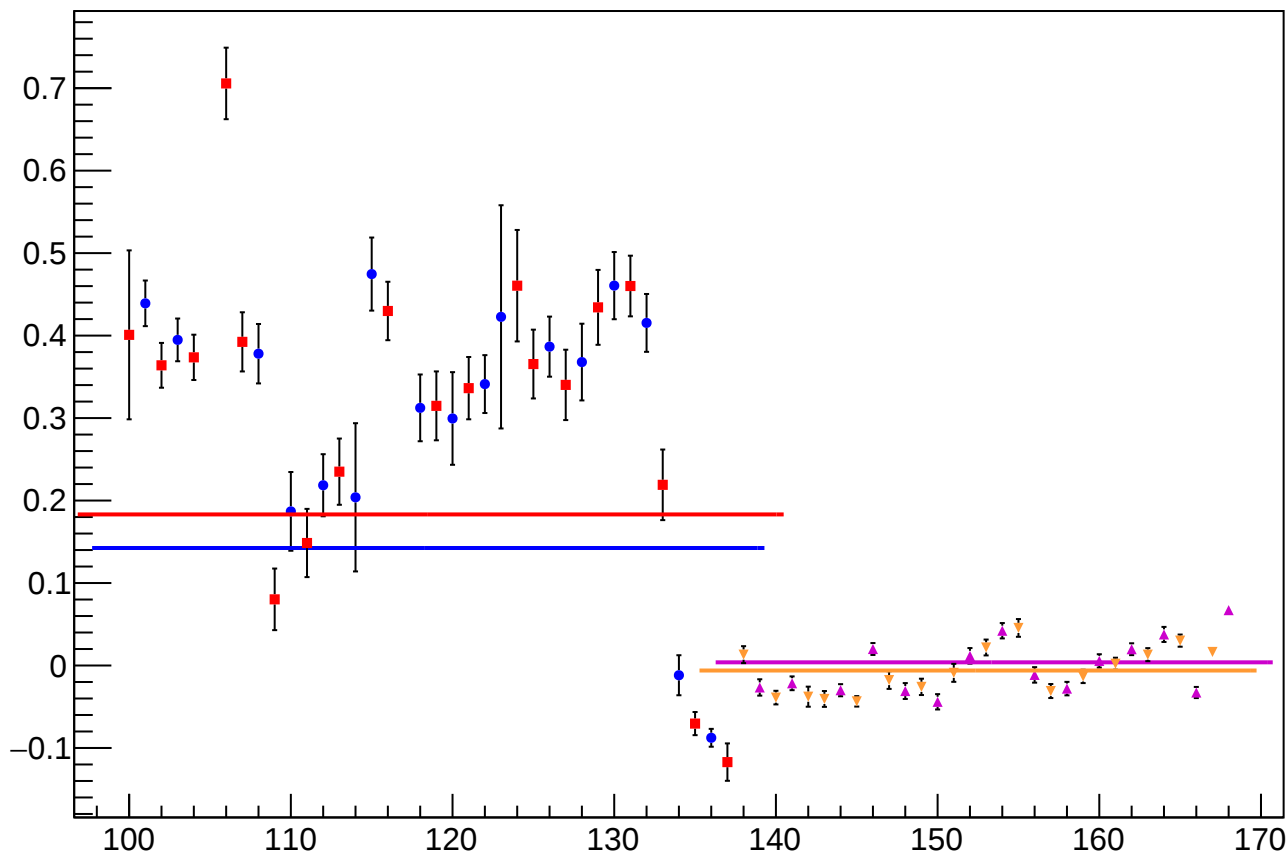
Left In: -6.633 ± 0.044 χ^2/NDF : 898.3/14

+ sign -6.382 ± 0.042 χ^2/NDF : 2437.2/32

All: -6.406 ± 0.030 χ^2/NDF : 4903.4/66

- sign -6.429 ± 0.042 χ^2/NDF : 2465.6/33

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1058.8/16

Left Out: -0.006 $\pm$ 0.002 χ^2 /NDF: 167.2/15

Right Out: 0.183 $\pm$ 0.007 χ^2 /NDF: 1000.9/18

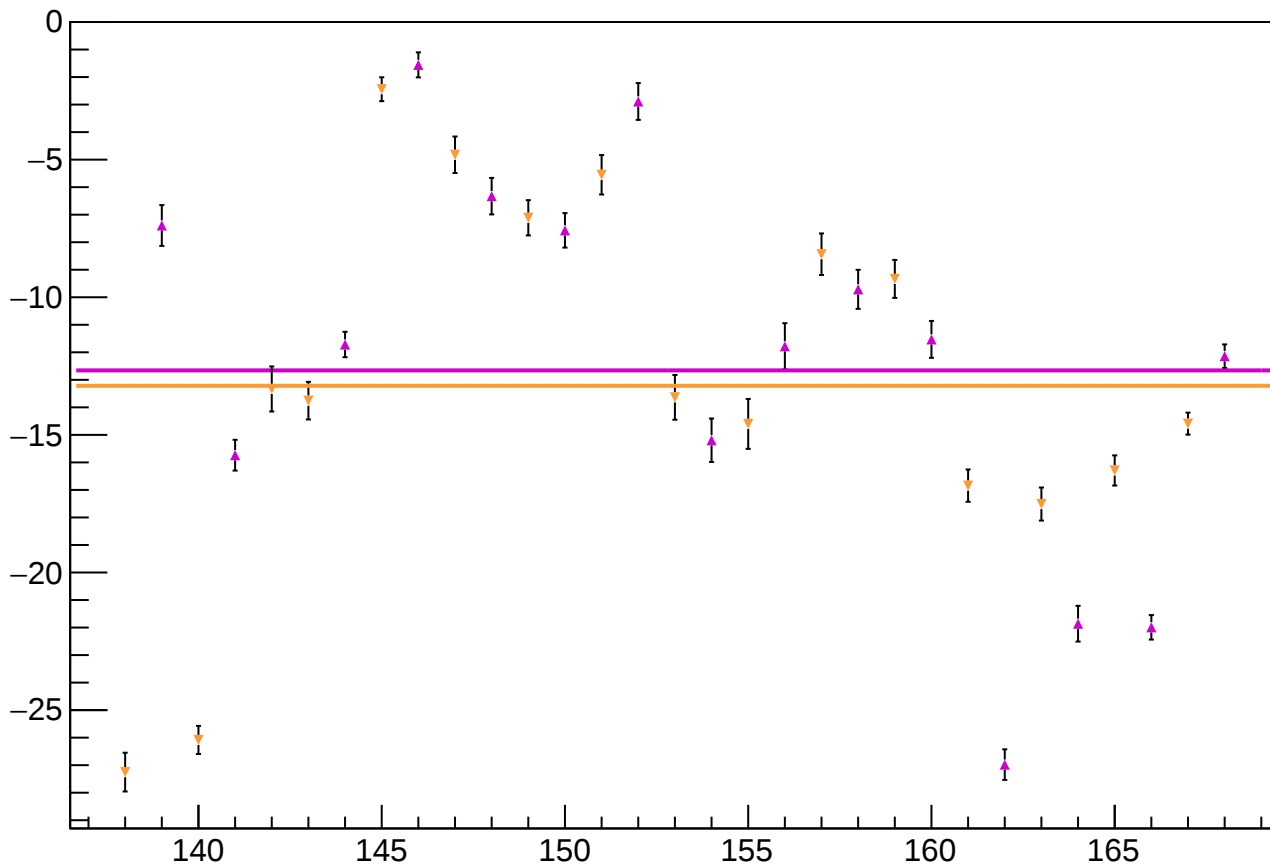
Left In: 0.004 $\pm$ 0.002 χ^2 /NDF: 300.6/14

+ sign 0.006 $\pm$ 0.002 χ^2 /NDF: 1631.8/32

All: 0.011 $\pm$ 0.001 χ^2 /NDF: 3491.8/66

- sign 0.017 $\pm$ 0.002 χ^2 /NDF: 1845.3/33

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -13.216+/-0.152 χ^2/NDF : 2221.3/15

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

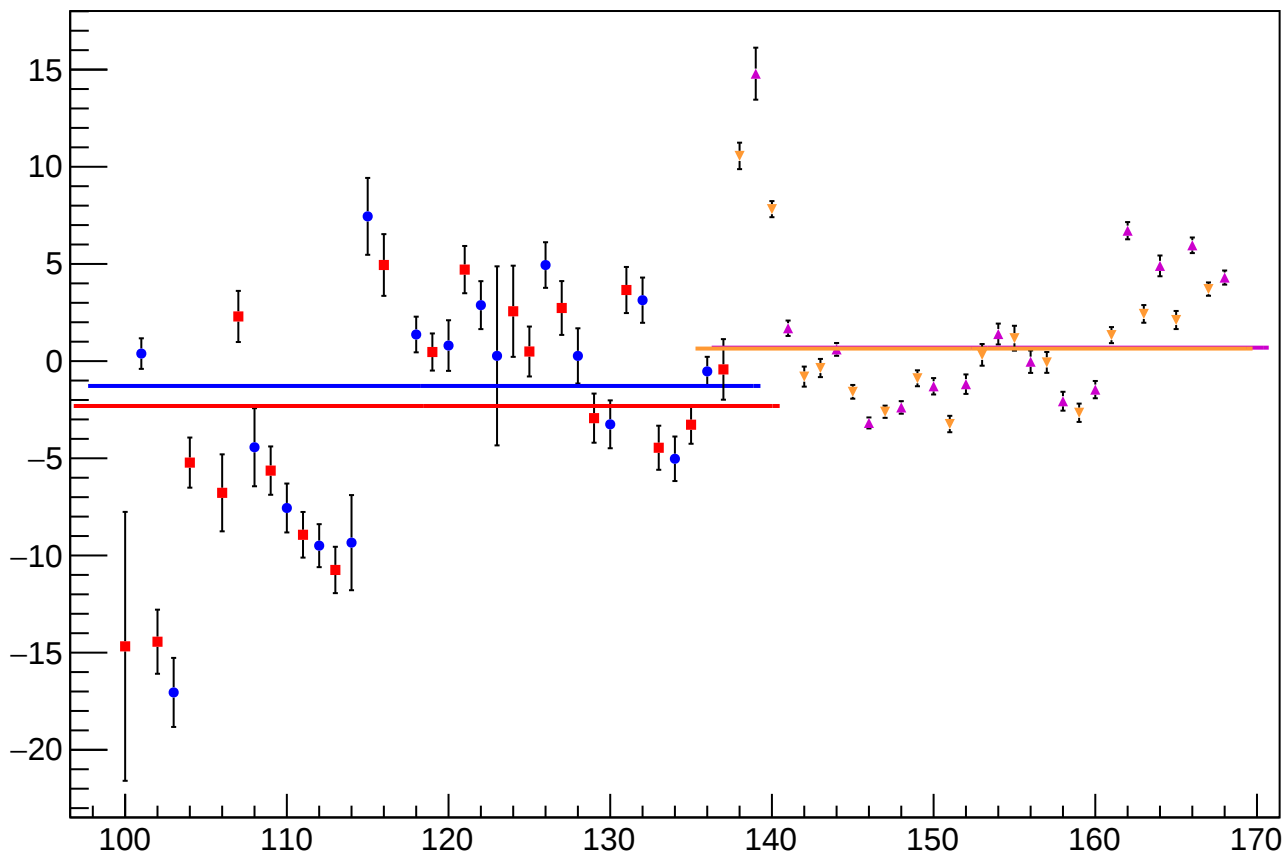
Left In: -12.657+/-0.149 χ^2/NDF : 2391.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.931+/-0.106 χ^2/NDF : 4619.3/30

- 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: 0.646 ± 0.109 χ^2/NDF : 929.1/15

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

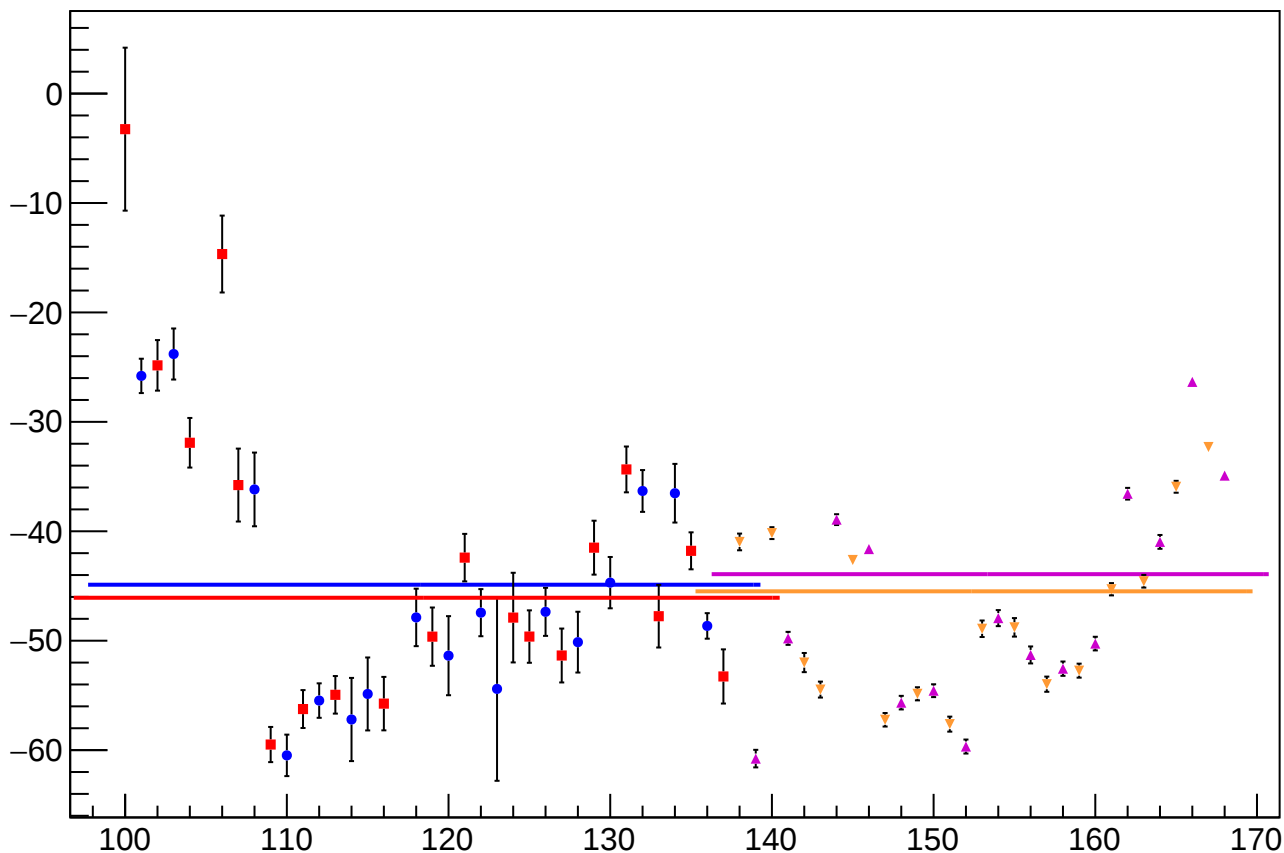
Left In: 0.693 ± 0.108 χ^2/NDF : 1008.7/14

+ sign 0.409 ± 0.103 χ^2/NDF : 1243.6/32

All: 0.382 ± 0.072 χ^2/NDF : 2625.2/66

- sign 0.354 ± 0.102 χ^2/NDF : 1381.4/33

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -45.487 ± 0.151 χ^2/NDF : 2959.7/15

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

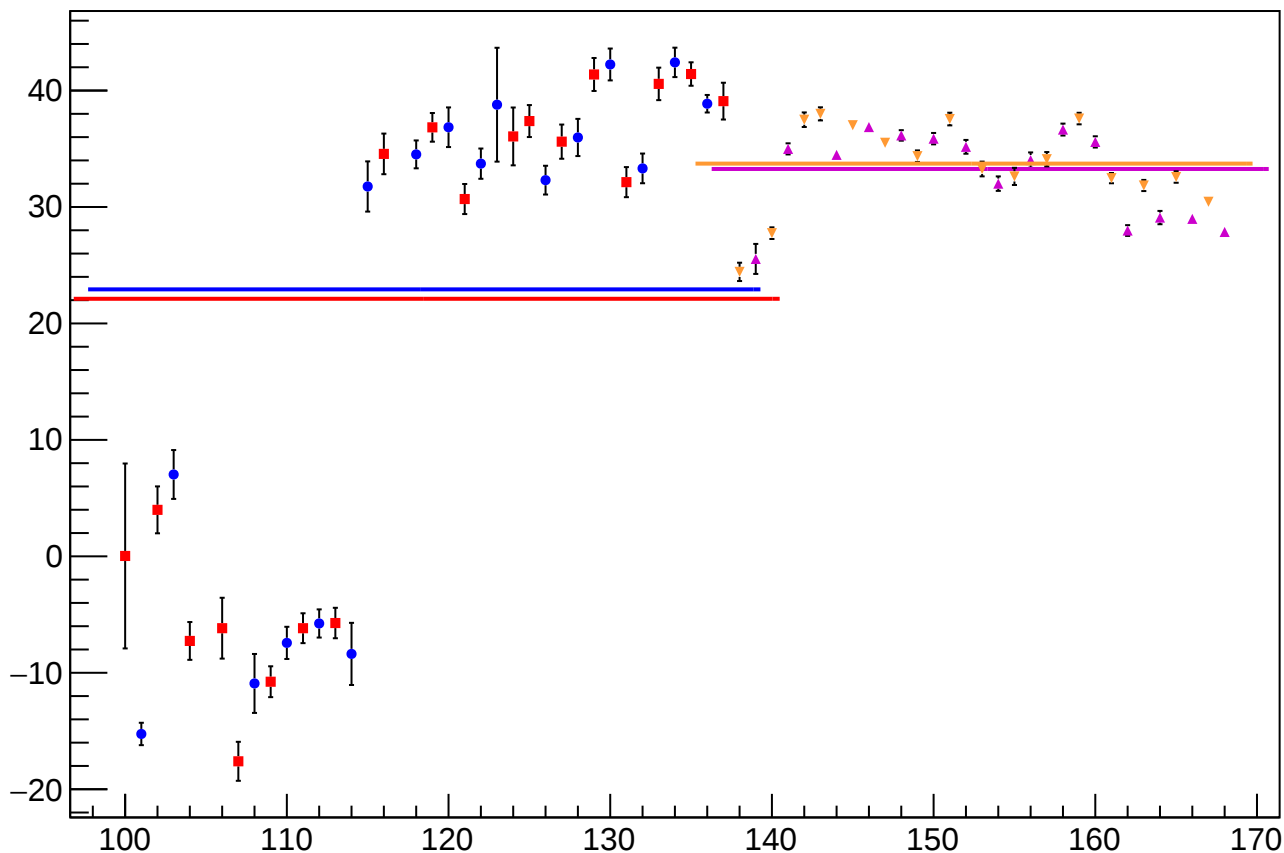
Left In: -43.919 ± 0.147 χ^2/NDF : 4507.0/14

+ sign -45.441 ± 0.145 χ^2/NDF : 3381.9/32

All: -44.740 ± 0.101 χ^2/NDF : 8404.1/66

- sign -44.074 ± 0.142 χ^2/NDF : 4976.8/33

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: 33.725 $\pm$ 0.127 χ^2 /NDF: 678.3/15

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

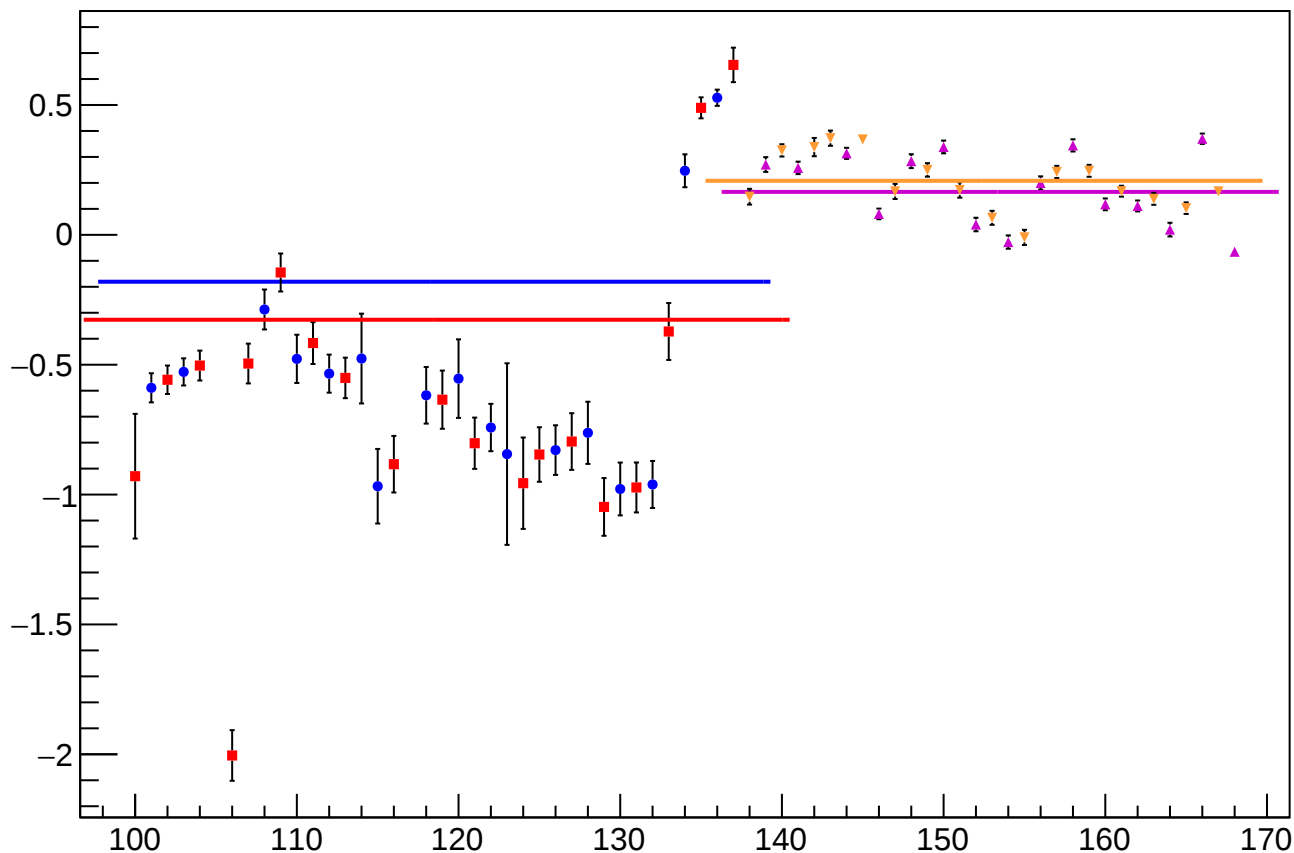
Left In: 33.264 $\pm$ 0.126 χ^2 /NDF: 760.7/14

+ sign 32.316 $\pm$ 0.119 χ^2 /NDF: 5950.7/32

All: 32.118 $\pm$ 0.084 χ^2 /NDF: 11696.0/66

- sign 31.921 $\pm$ 0.118 χ^2 /NDF: 5739.8/33

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.208 ± 0.006 χ^2/NDF : 286.8/15

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

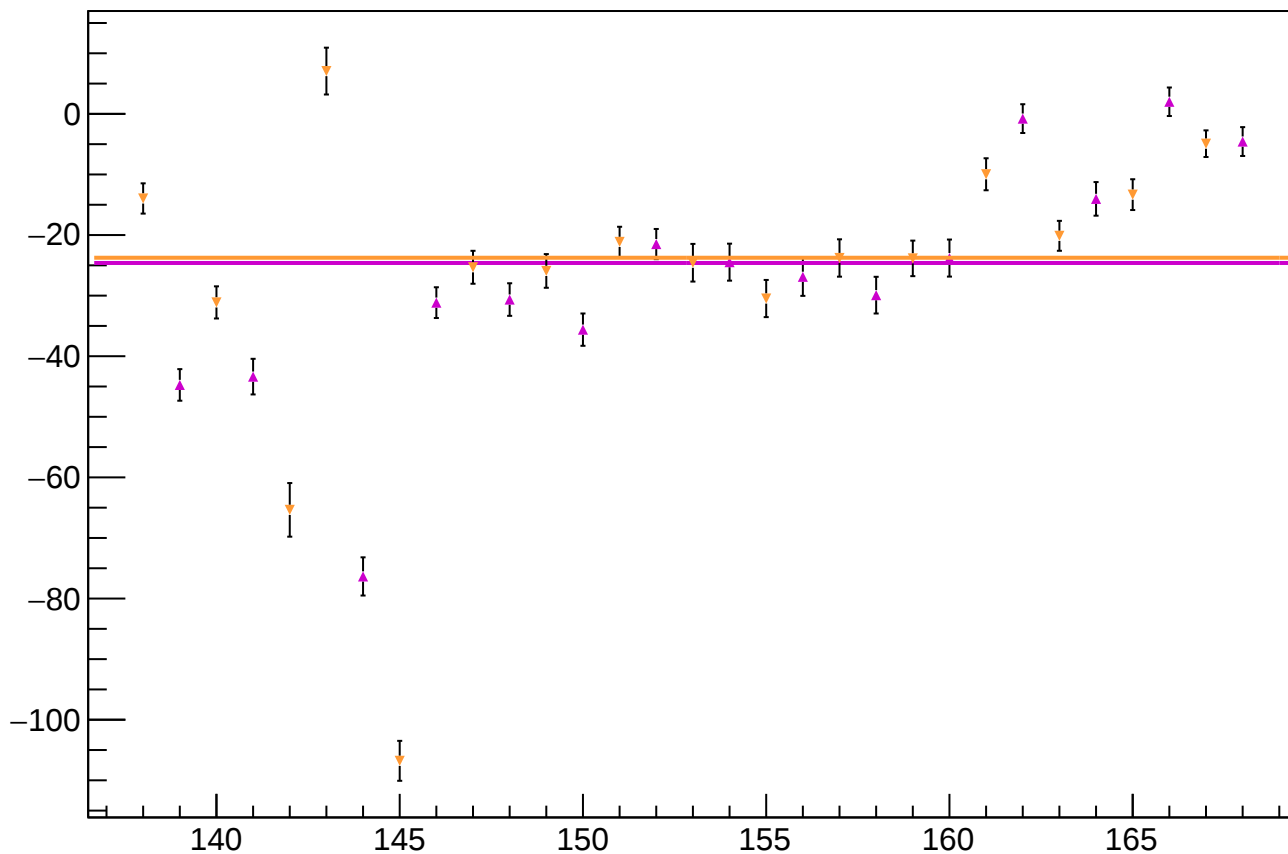
Left In: 0.165 ± 0.006 χ^2/NDF : 647.0/14

+ sign 0.168 ± 0.006 χ^2/NDF : 1711.7/32

All: 0.143 ± 0.004 χ^2/NDF : 4235.1/66

- sign 0.119 ± 0.006 χ^2/NDF : 2484.7/33

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -23.746+/-0.701 χ^2/NDF : 936.0/15

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

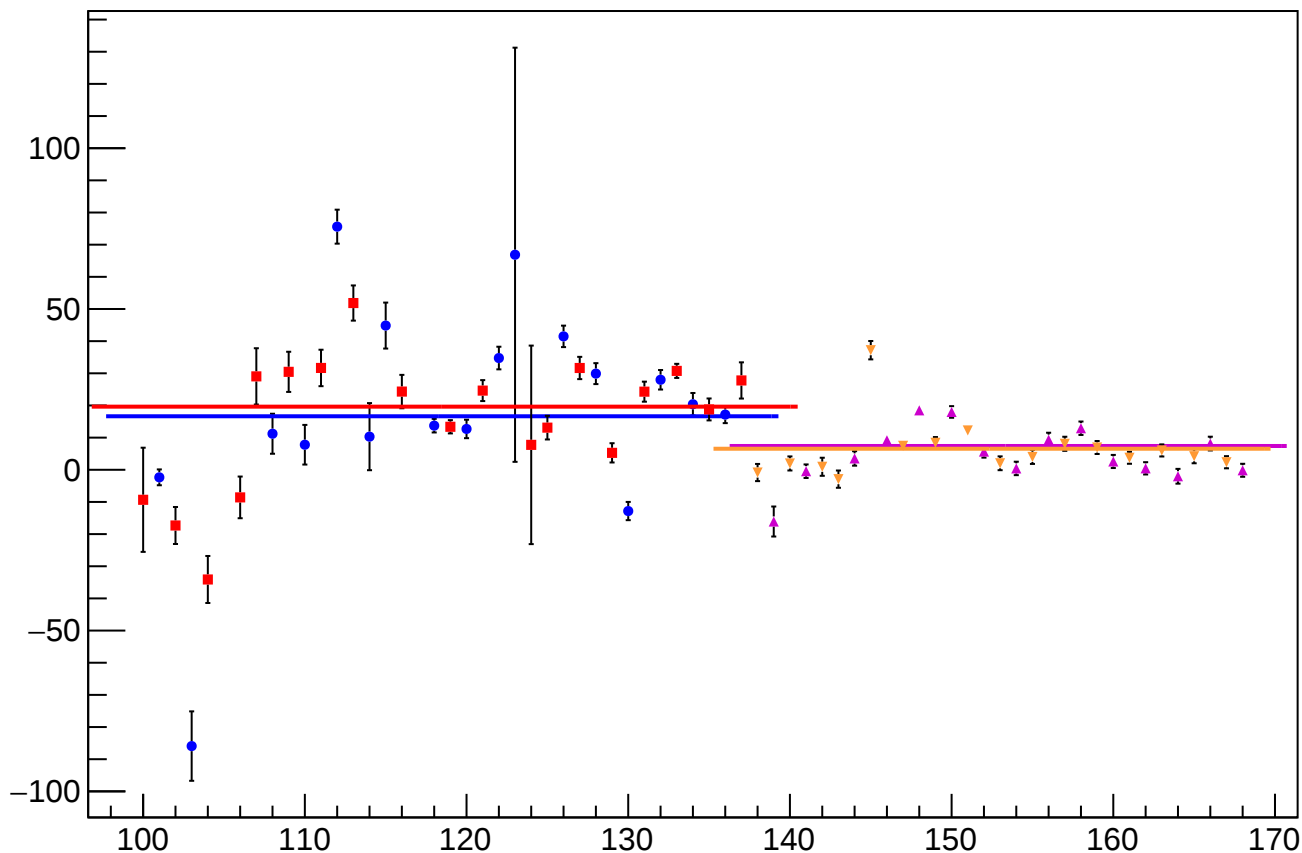
Left In: -24.610+/-0.699 χ^2/NDF : 717.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -24.179+/-0.495 χ^2/NDF : 1654.2/30

- 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: 6.543 ± 0.495 χ^2/NDF : 175.8/15

Right Out: 19.632 ± 0.896 χ^2/NDF : 241.7/18

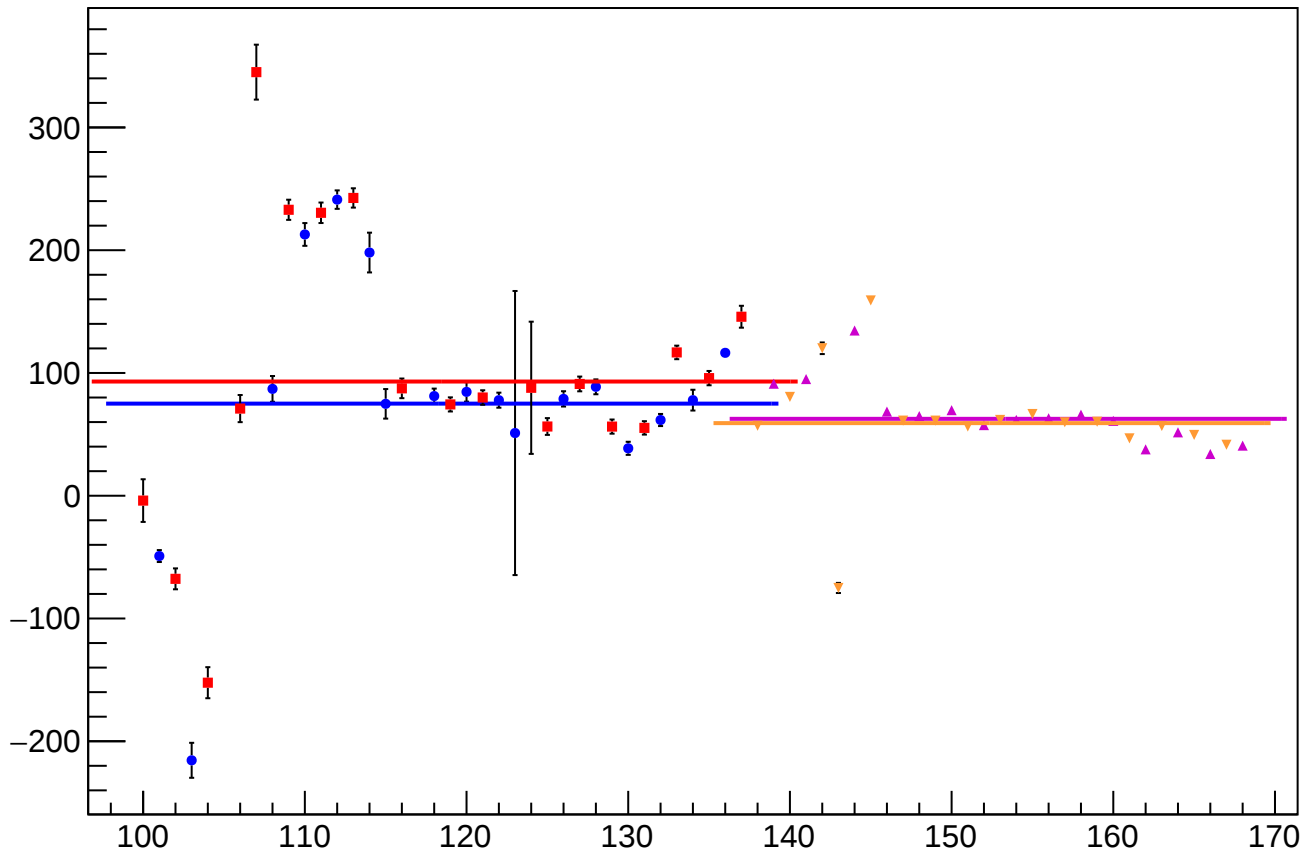
Left In: 7.400 ± 0.504 χ^2/NDF : 219.4/14

+ sign 9.059 ± 0.429 χ^2/NDF : 798.6/32

All: 9.684 ± 0.307 χ^2/NDF : 1405.4/66

- sign 10.340 ± 0.439 χ^2/NDF : 602.5/33

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 ± 1.647 $\chi^2/\text{NDF}: 1999.7/16$

Left Out: 59.145 ± 0.687 $\chi^2/\text{NDF}: 2246.1/15$

Right Out: 93.028 ± 1.711 $\chi^2/\text{NDF}: 2003.6/18$

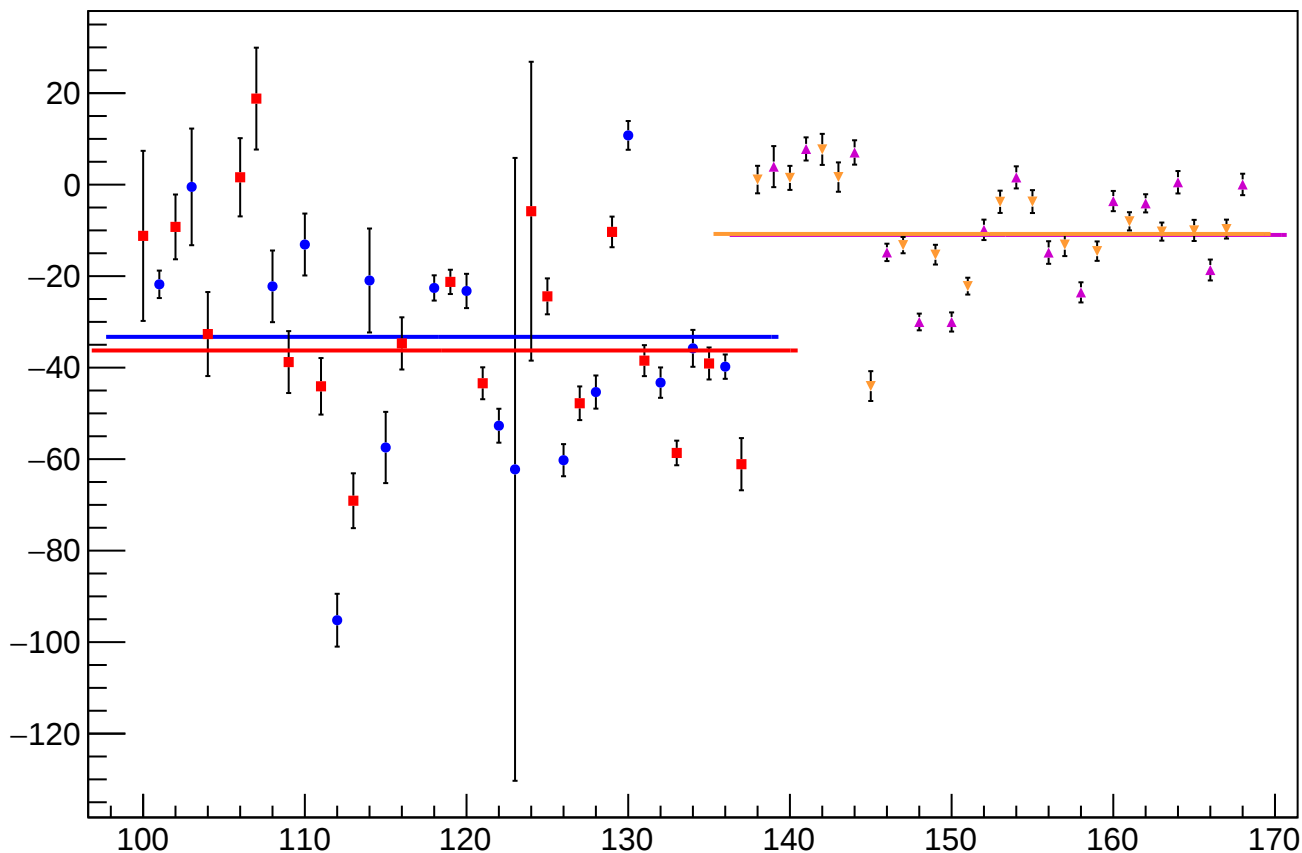
Left In: 62.641 ± 0.683 $\chi^2/\text{NDF}: 1046.1/14$

+ sign 61.502 ± 0.634 $\chi^2/\text{NDF}: 4325.1/32$

All: 64.159 ± 0.448 $\chi^2/\text{NDF}: 7681.9/66$

- sign 66.812 ± 0.634 $\chi^2/\text{NDF}: 3321.7/33$

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -10.776 ± 0.578 χ^2/NDF : 253.3/15

Right Out: -36.251 ± 1.024 χ^2/NDF : 297.6/18

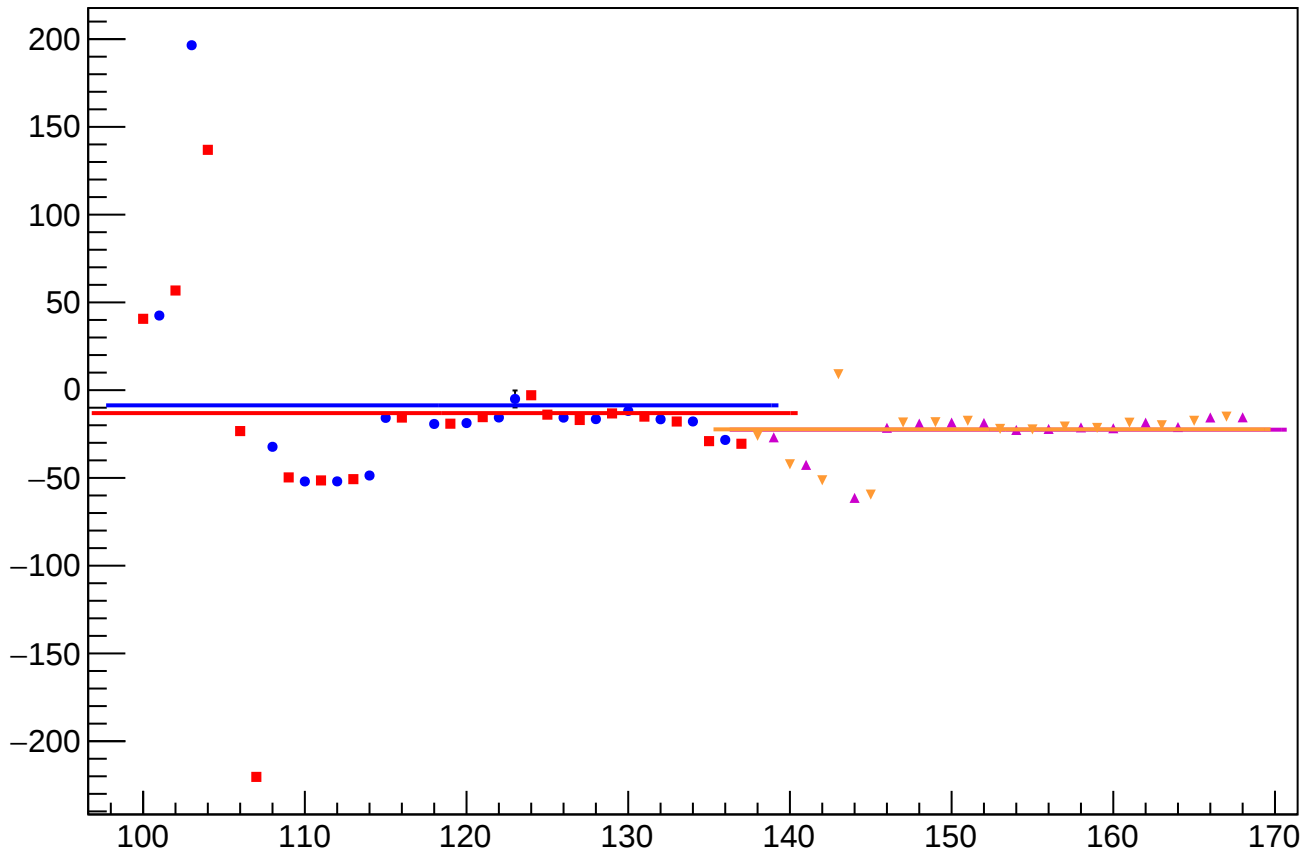
Left In: -10.994 ± 0.588 χ^2/NDF : 448.4/14

+ sign -16.559 ± 0.498 χ^2/NDF : 1132.6/32

All: -16.899 ± 0.356 χ^2/NDF : 2337.2/66

- sign -17.256 ± 0.510 χ^2/NDF : 1203.6/33

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -22.329 ± 0.027 $\chi^2/\text{NDF}: 178202.5/15$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

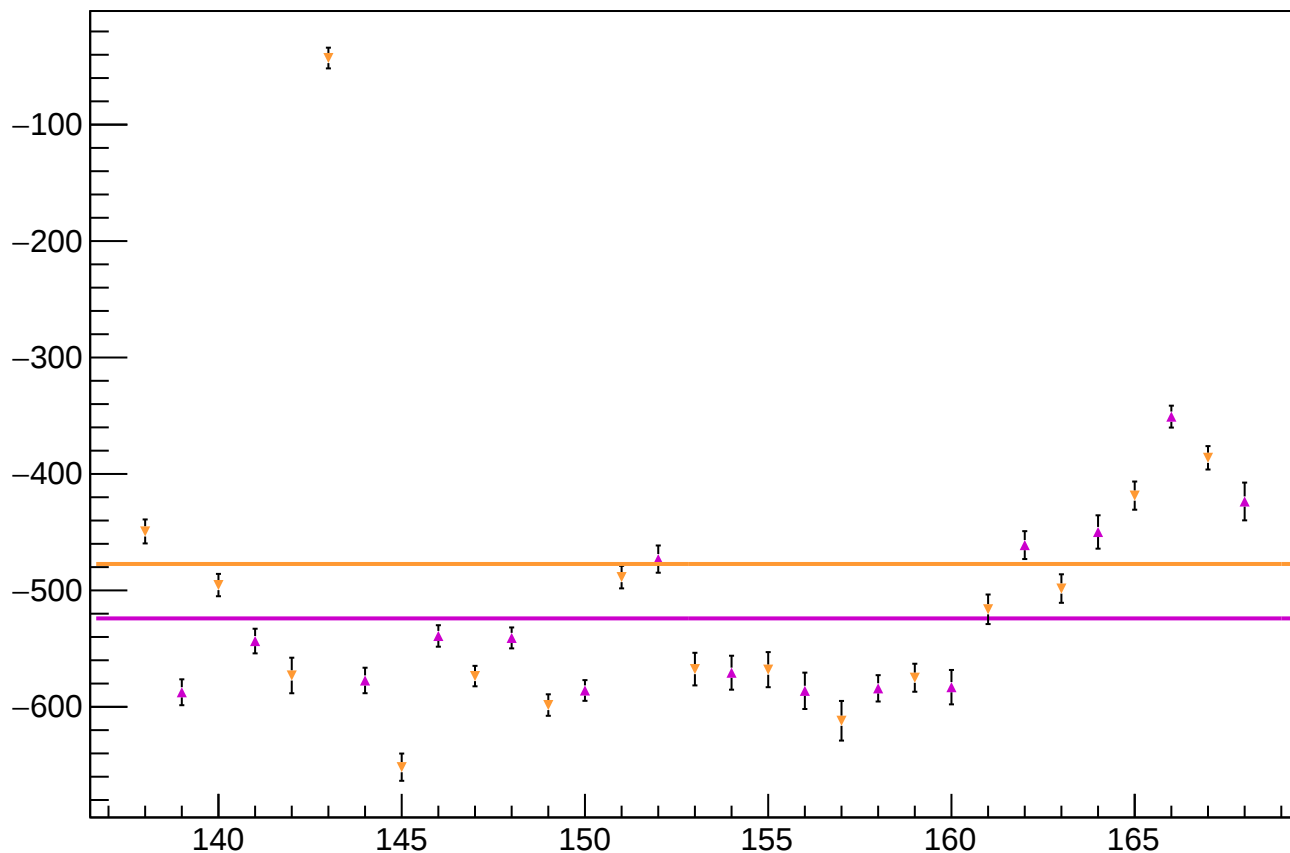
Left In: -22.518 ± 0.027 $\chi^2/\text{NDF}: 113391.4/14$

+ sign -19.958 ± 0.025 $\chi^2/\text{NDF}: 798204.2/32$

All: -20.487 ± 0.017 $\chi^2/\text{NDF}: 1490455.3/66$

- sign -21.018 ± 0.025 $\chi^2/\text{NDF}: 691323.8/33$

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -477.304+/-2.781 χ^2/NDF : 3274.7/15

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

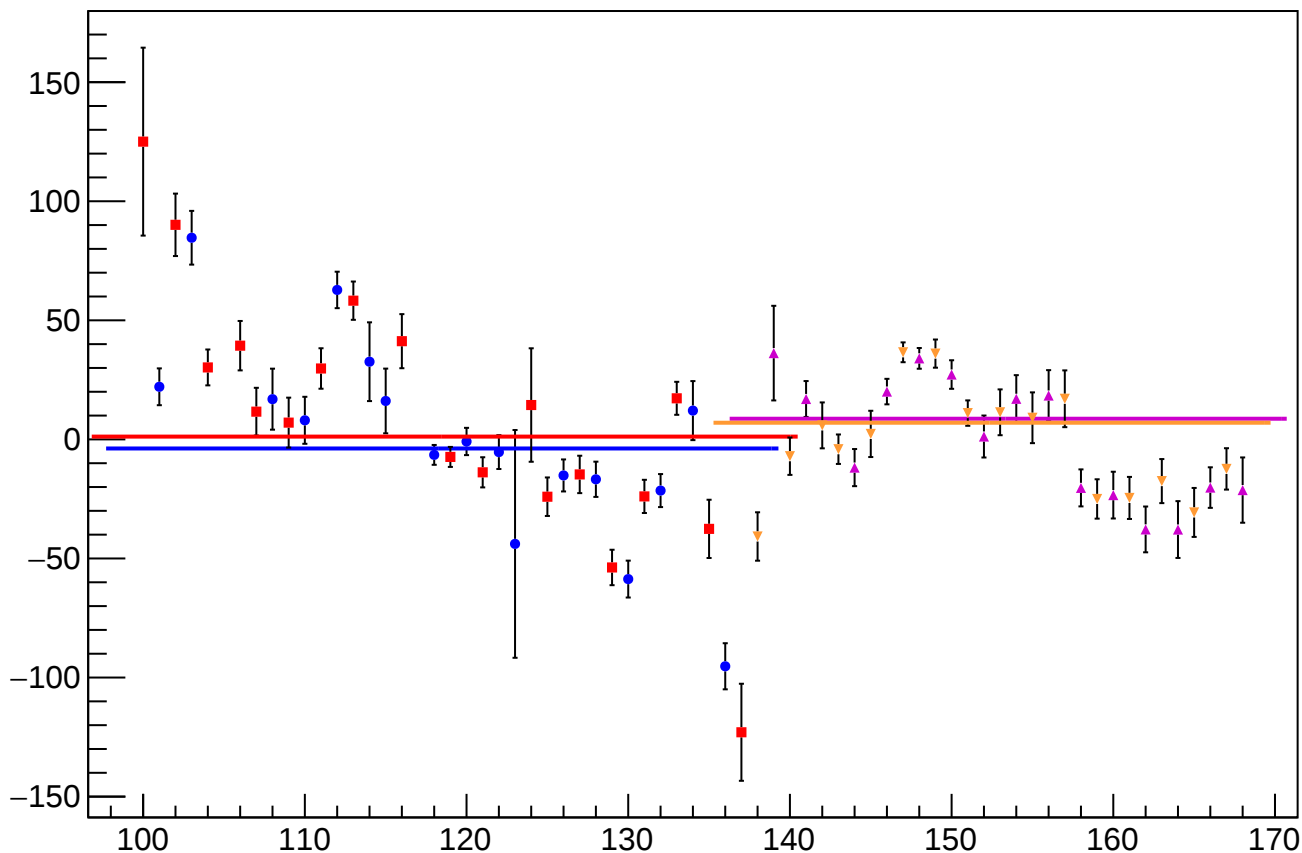
Left In: -524.049+/-2.916 χ^2/NDF : 635.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -499.568+/-2.012 χ^2/NDF : 4044.9/30

- 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: 6.999 ± 1.878 χ^2/NDF : 158.1/15

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

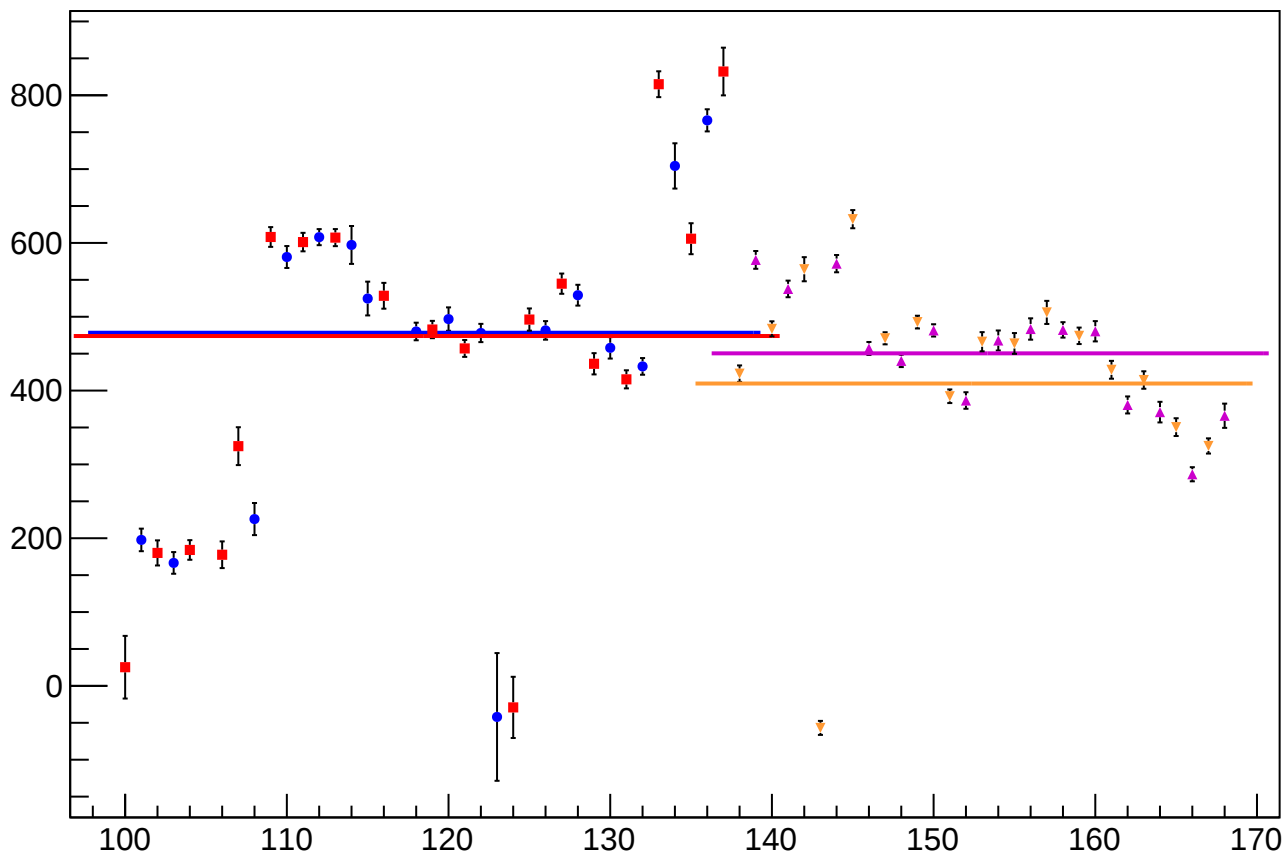
Left In: 8.678 ± 2.009 χ^2/NDF : 139.8/14

+ sign 1.718 ± 1.344 χ^2/NDF : 488.6/32

All: 3.185 ± 0.965 χ^2/NDF : 942.1/66

- sign -4.744 ± 1.386 χ^2/NDF : 451.0/33

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 $\pm$ 3.662 χ^2/NDF : 1628.8/16

Left Out: 409.555 $\pm$ 2.747 χ^2/NDF : 3233.9/15

Right Out: 473.902 $\pm$ 3.531 χ^2/NDF : 2285.0/18

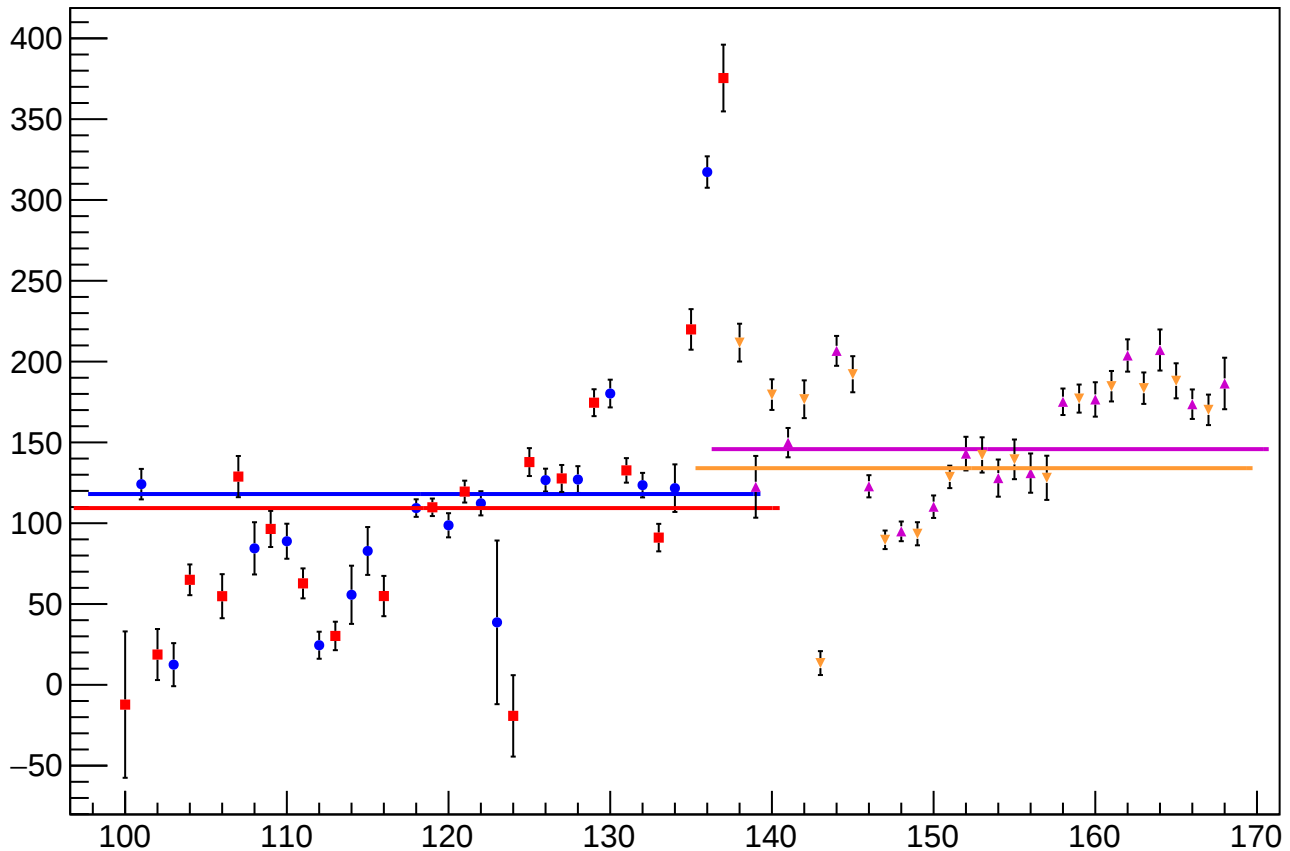
Left In: 450.423 $\pm$ 2.846 χ^2/NDF : 735.4/14

+ sign 478.334 $\pm$ 3.662 χ^2/NDF : 5088.5/32

All: 446.891 $\pm$ 1.560 χ^2/NDF : 8201.6/66

- sign 459.671 $\pm$ 2.216 χ^2/NDF : 3047.2/33

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 ± 2.225 $\chi^2/\text{NDF}: 705.3/16$

Left Out: 134.057 ± 2.248 $\chi^2/\text{NDF}: 585.8/15$

Right Out: 109.367 ± 2.205 $\chi^2/\text{NDF}: 569.8/18$

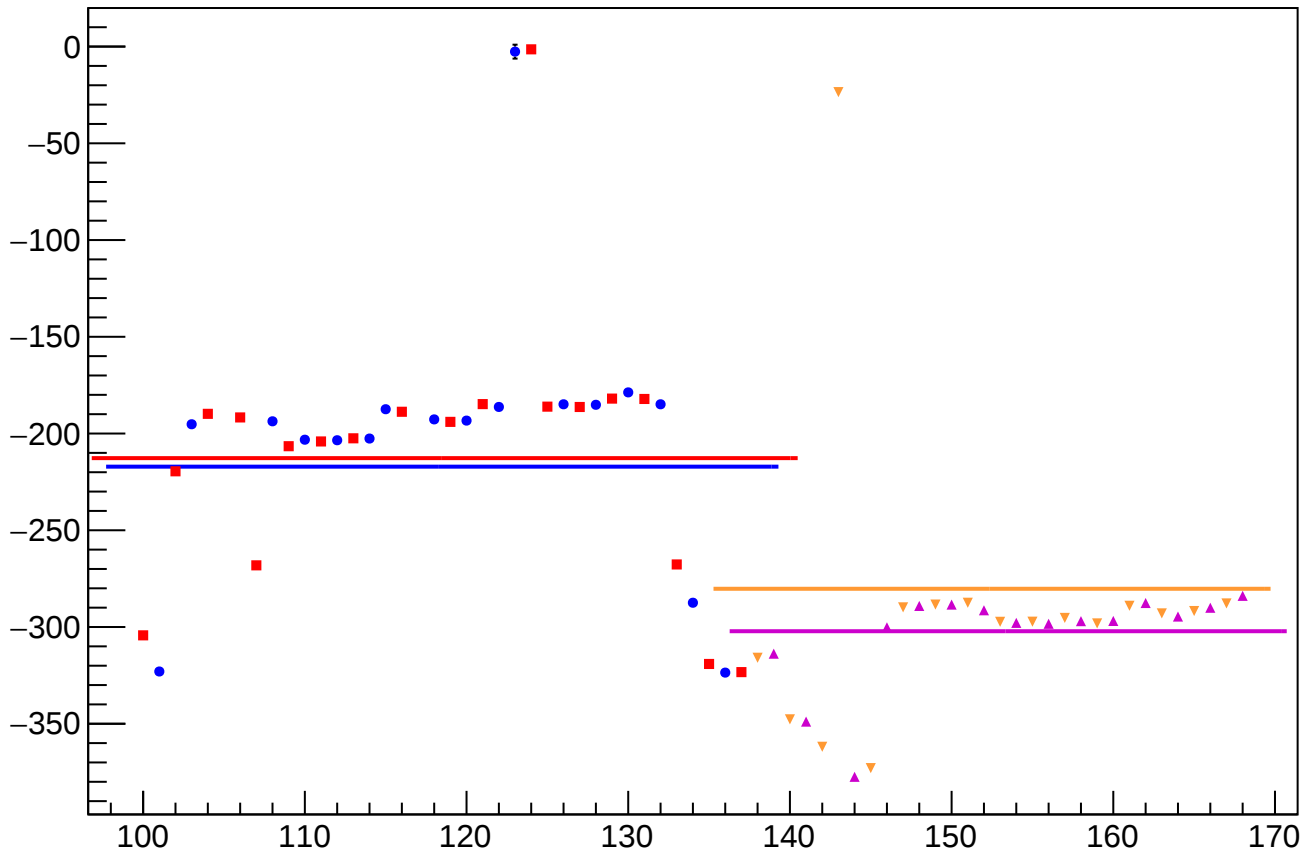
Left In: 145.839 ± 2.391 $\chi^2/\text{NDF}: 249.9/14$

+ sign 125.976 ± 1.581 $\chi^2/\text{NDF}: 1316.7/32$

All: 126.048 ± 1.132 $\chi^2/\text{NDF}: 2262.1/66$

- sign 126.124 ± 1.621 $\chi^2/\text{NDF}: 945.4/33$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 ± 0.137 χ^2/NDF : 146559.7/16

Left Out: -280.238 ± 0.111 χ^2/NDF : 545939.4/15

Right Out: -212.715 ± 0.130 χ^2/NDF : 115566.2/18

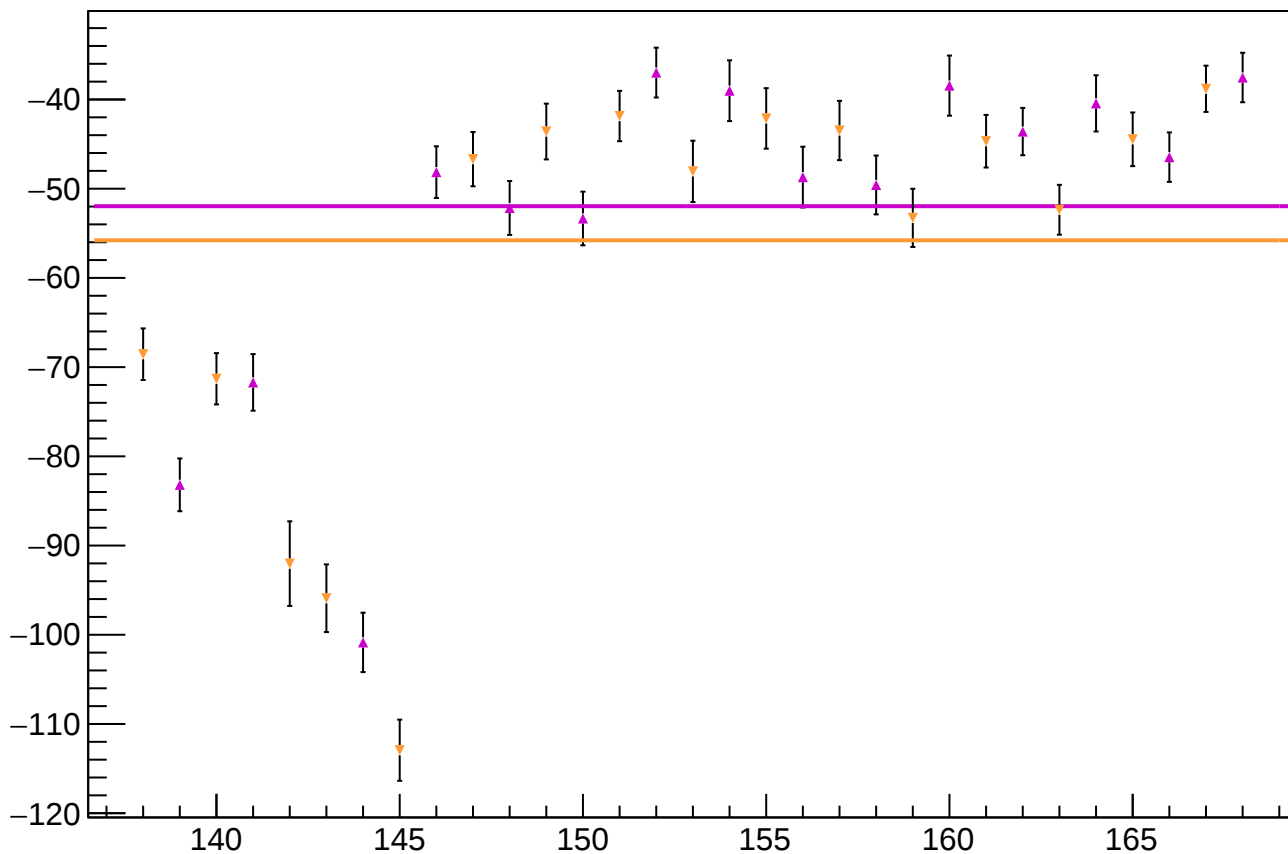
Left In: -302.175 ± 0.114 χ^2/NDF : 39585.8/14

+ sign -255.202 ± 0.086 χ^2/NDF : 821361.0/32

All: -259.216 ± 0.061 χ^2/NDF : 1247484.8/66

- sign -263.220 ± 0.086 χ^2/NDF : 421772.7/33

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -55.785+/-0.782 χ^2/NDF : 653.7/15

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

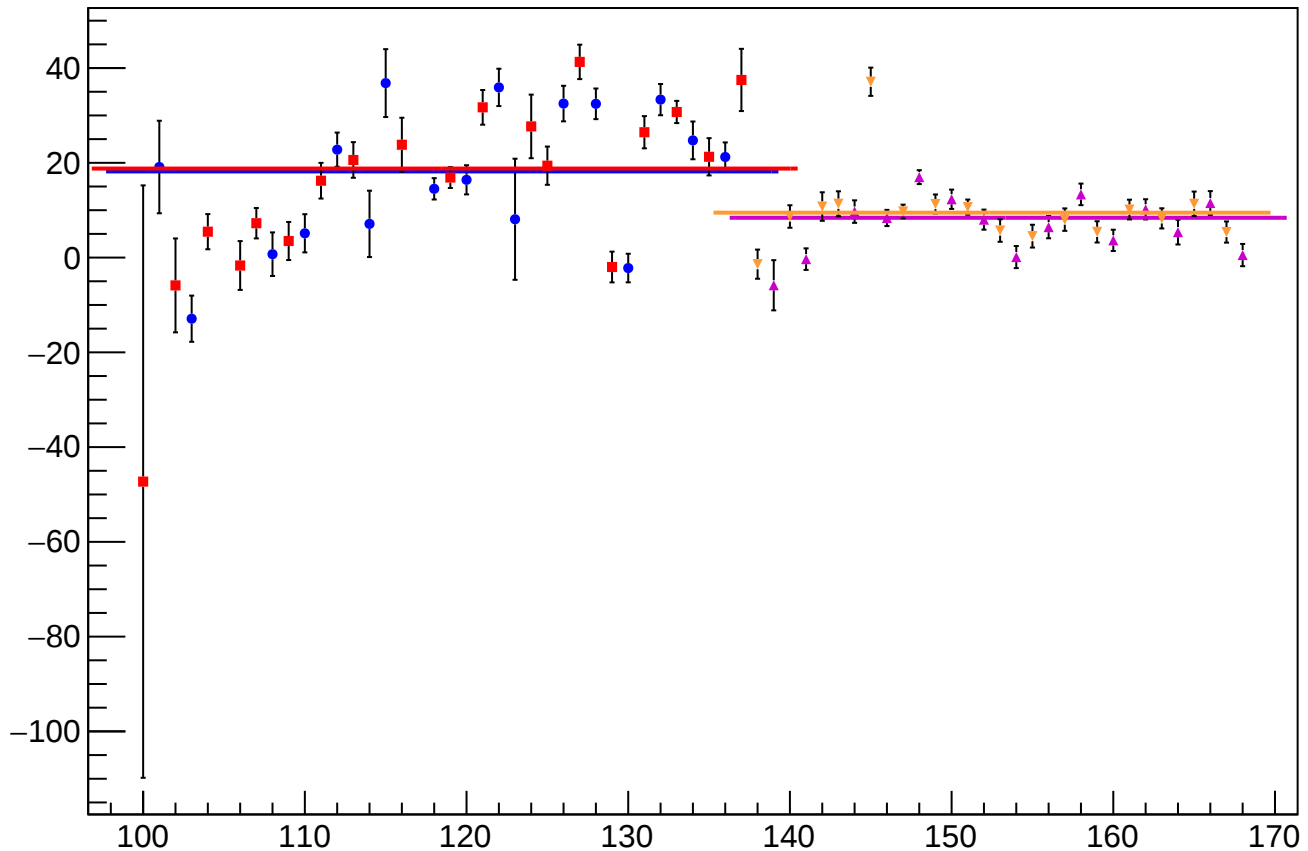
Left In: -51.960+/-0.784 χ^2/NDF : 483.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -53.877+/-0.554 χ^2/NDF : 1148.8/30

- sign 0.000+/-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: 9.484 $\pm$ 0.551 χ^2/NDF : 115.2/15

Right Out: 18.791 $\pm$ 0.863 χ^2/NDF : 198.8/18

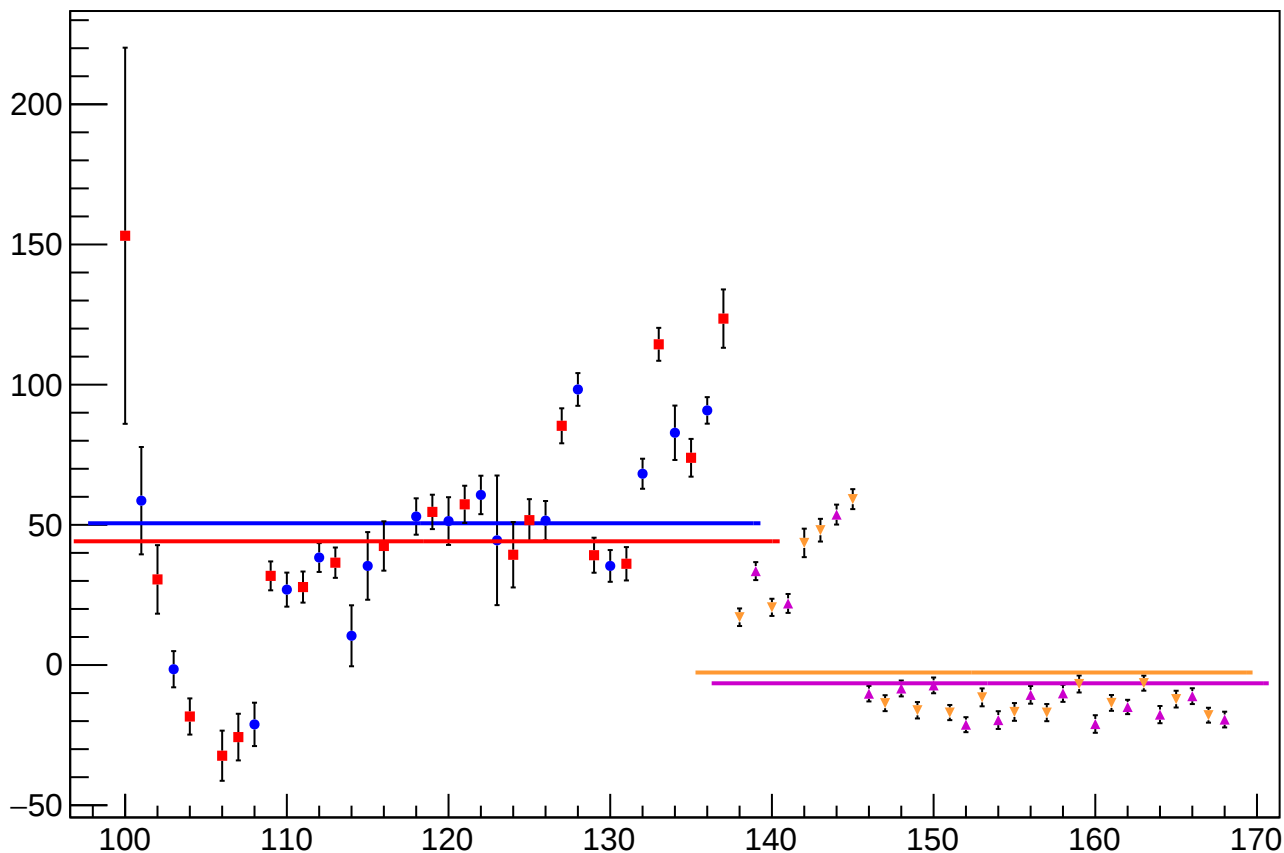
Left In: 8.400 $\pm$ 0.565 χ^2/NDF : 97.4/14

+ sign 11.792 $\pm$ 0.472 χ^2/NDF : 386.3/32

All: 11.654 $\pm$ 0.334 χ^2/NDF : 784.2/66

- sign 11.515 $\pm$ 0.472 χ^2/NDF : 397.8/33

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 ± 1.678 χ^2/NDF : 357.9/16

Left Out: -2.665 ± 0.768 χ^2/NDF : 813.8/15

Right Out: 44.132 ± 1.603 χ^2/NDF : 532.5/18

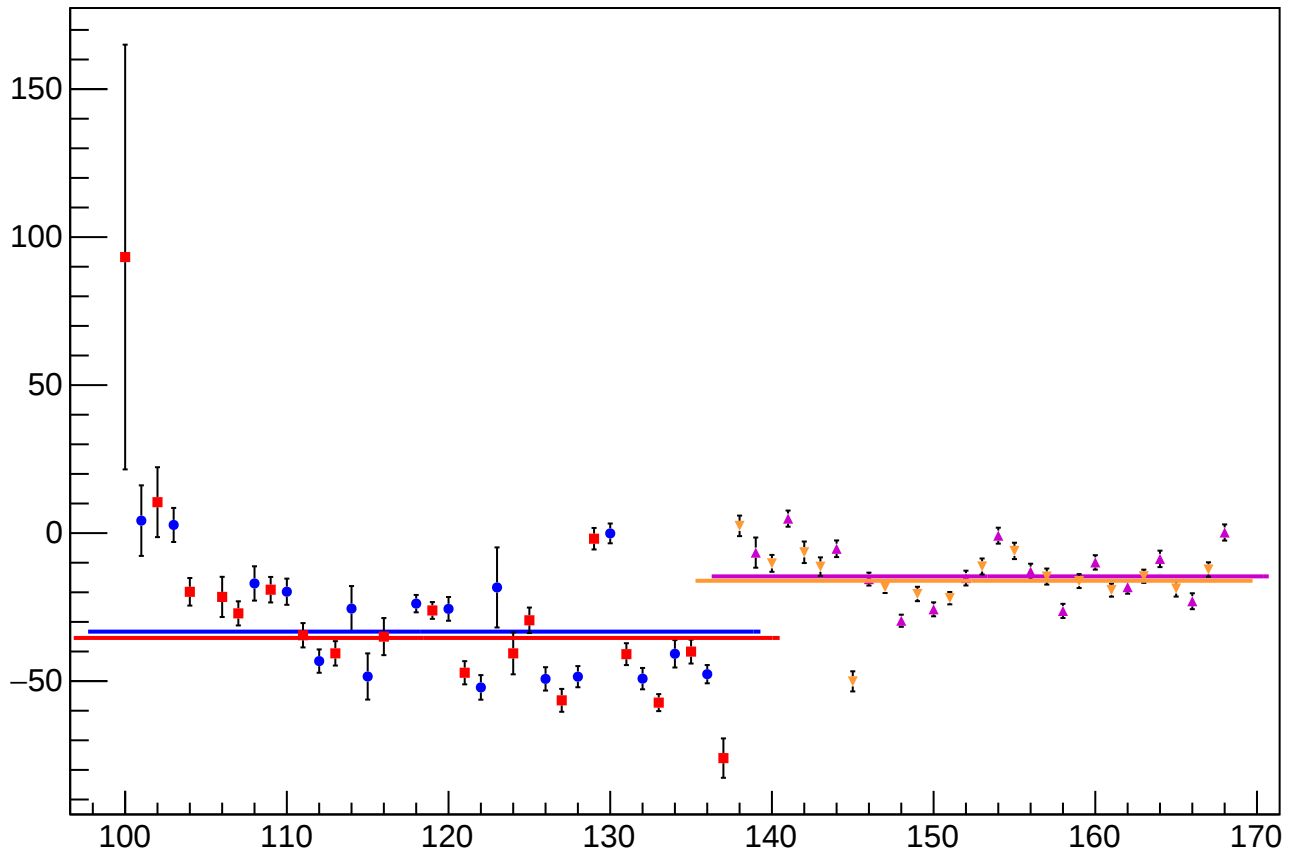
Left In: -6.513 ± 0.765 χ^2/NDF : 635.6/14

+ sign 6.553 ± 0.698 χ^2/NDF : 2004.2/32

All: 4.704 ± 0.491 χ^2/NDF : 3999.4/66

- sign 2.895 ± 0.691 χ^2/NDF : 1981.4/33

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.106 ± 0.644 χ^2/NDF : 177.3/15

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

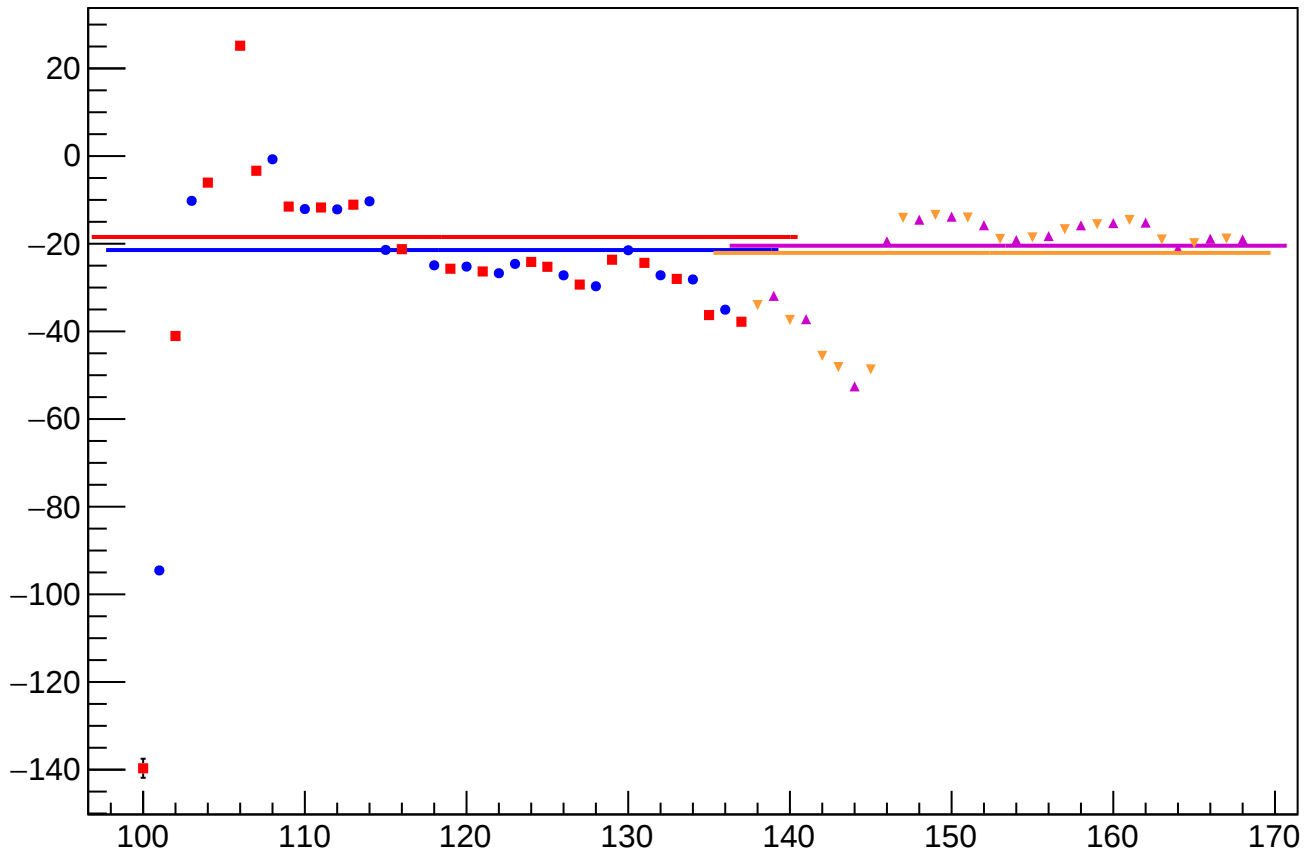
Left In: -14.615 ± 0.658 χ^2/NDF : 240.7/14

+ sign -20.844 ± 0.548 χ^2/NDF : 663.6/32

All: -20.909 ± 0.388 χ^2/NDF : 1499.8/66

- sign -20.973 ± 0.548 χ^2/NDF : 836.2/33

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -22.091 ± 0.030 $\chi^2/\text{NDF}: 125985.1/15$

Right Out: -18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

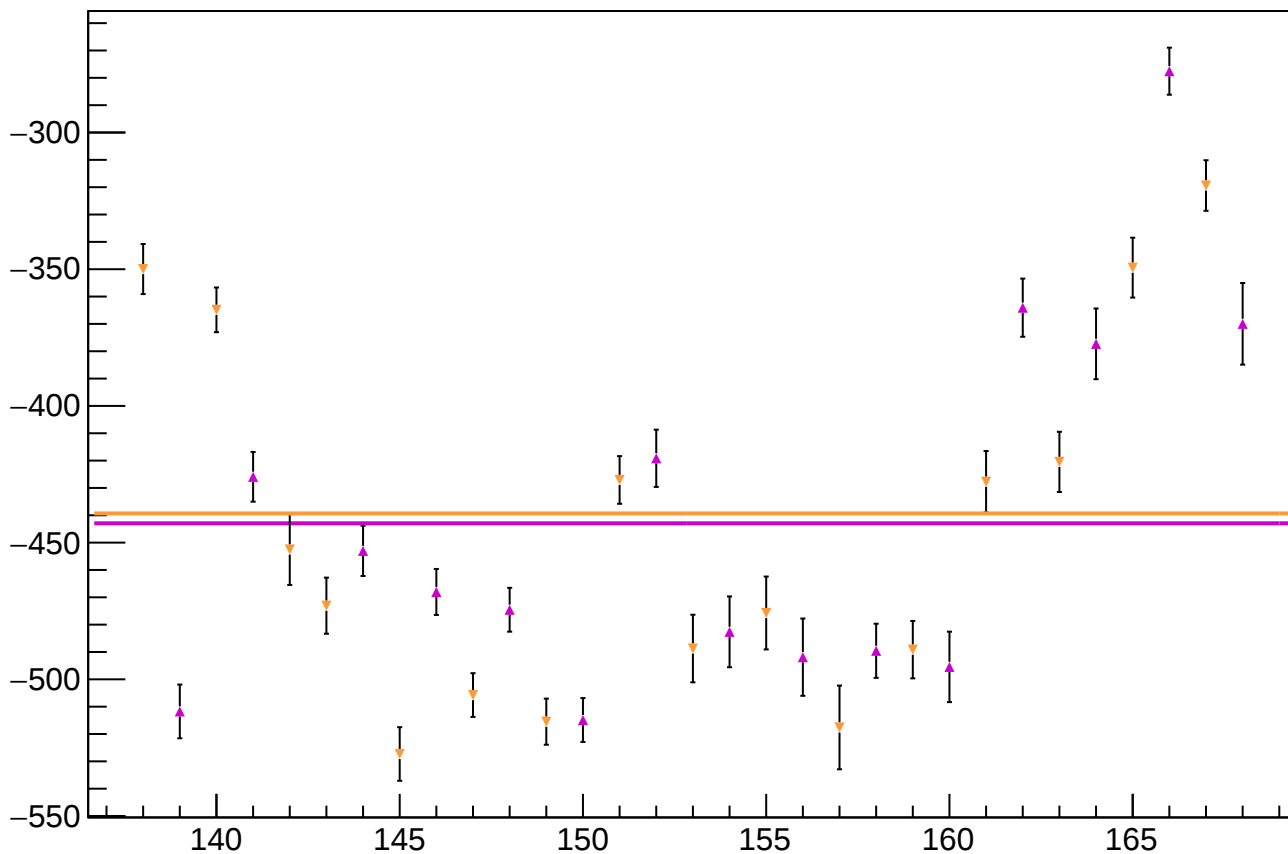
Left In: -20.453 ± 0.030 $\chi^2/\text{NDF}: 83071.5/14$

+ sign -21.956 ± 0.027 $\chi^2/\text{NDF}: 175049.5/32$

All: -20.982 ± 0.019 $\chi^2/\text{NDF}: 342142.0/66$

- sign -20.024 ± 0.027 $\chi^2/\text{NDF}: 164484.9/33$

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -439.327+/-2.522 χ^2/NDF : 734.6/15

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

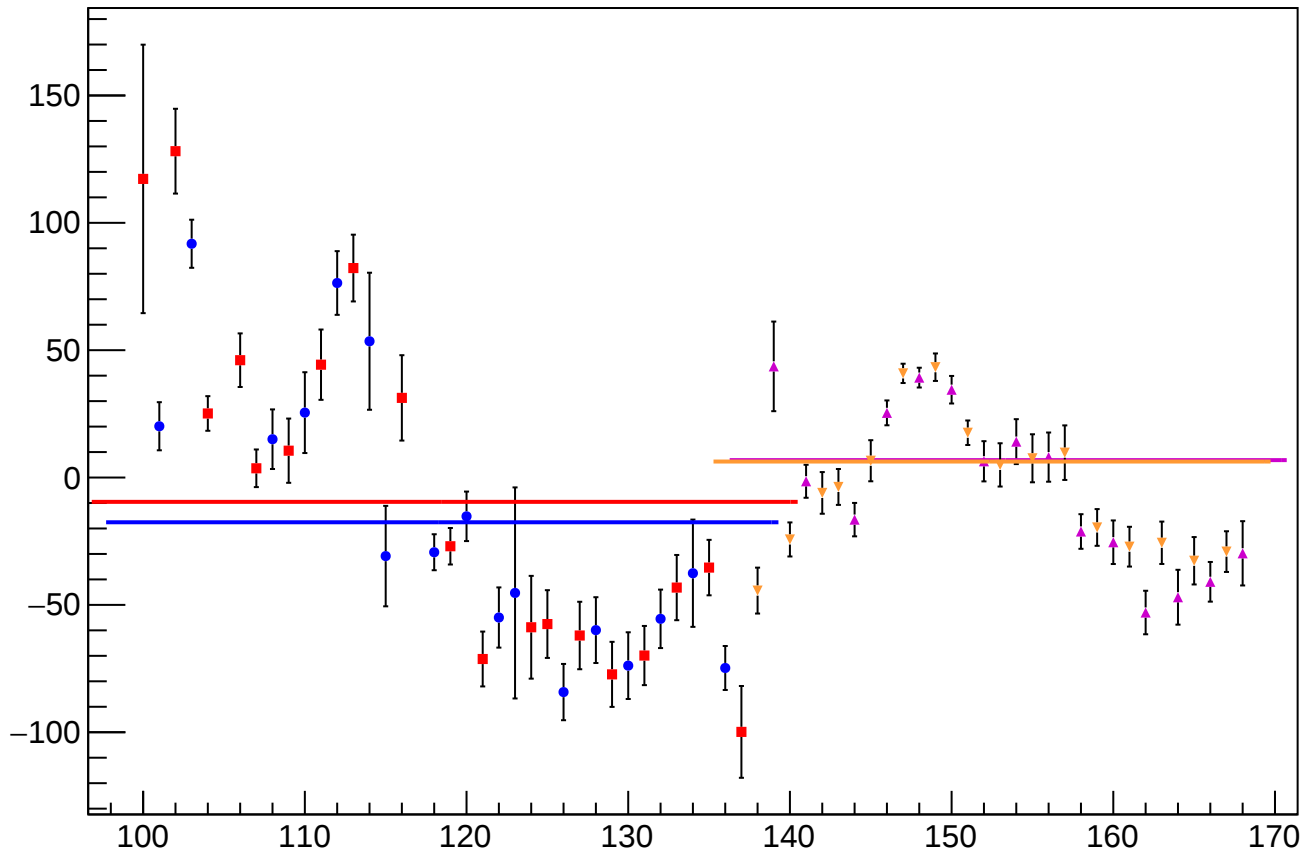
Left In: -442.932+/-2.594 χ^2/NDF : 697.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -441.078+/-1.808 χ^2/NDF : 1433.5/30

- 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: 6.283 ± 1.706 χ^2/NDF : 276.1/15

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

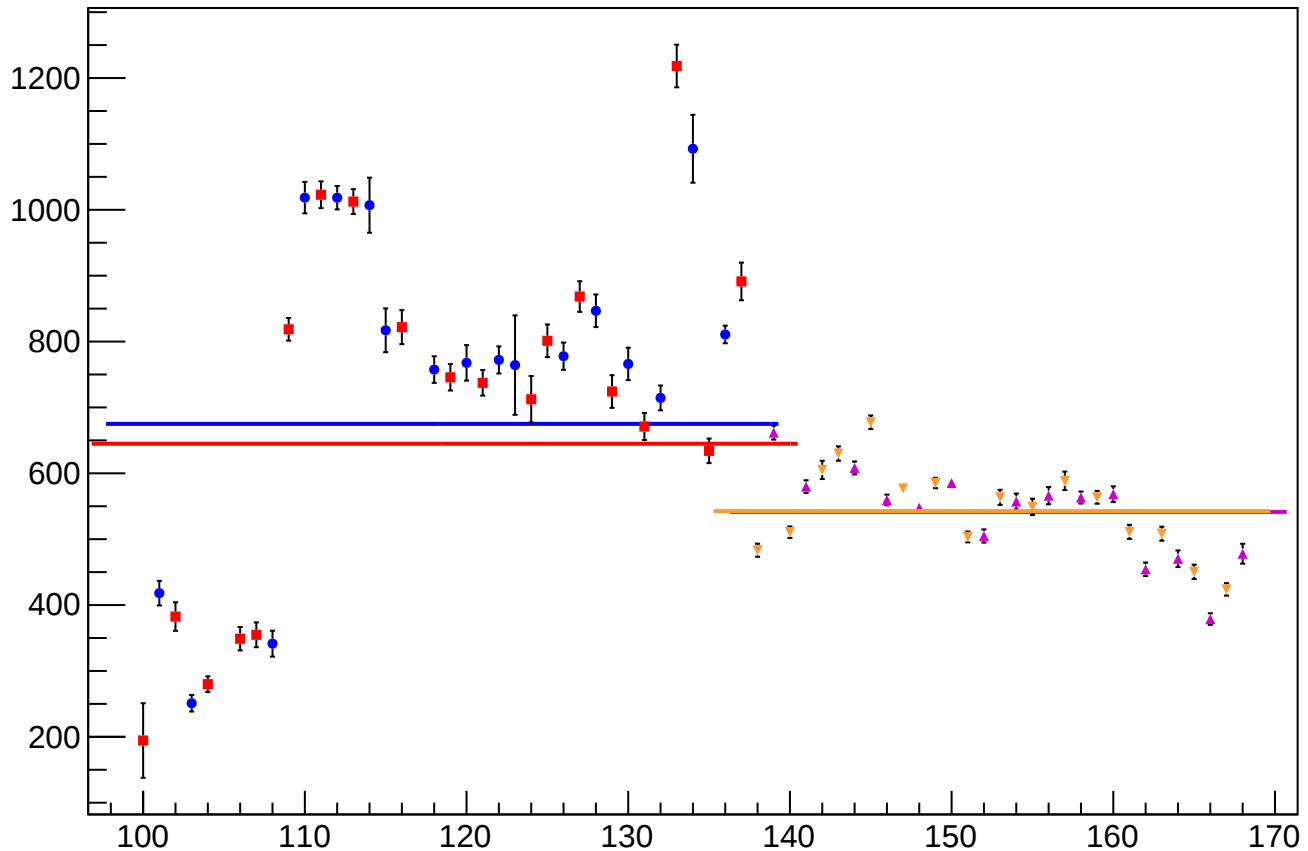
Left In: 6.838 ± 1.788 χ^2/NDF : 280.8/14

+ sign -0.107 ± 1.460 χ^2/NDF : 692.2/32

All: 0.739 ± 1.038 χ^2/NDF : 1370.8/66

- sign 1.602 ± 1.475 χ^2/NDF : 677.9/33

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 542.615 $\pm$ 2.488 χ^2 /NDF: 643.1/15

Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

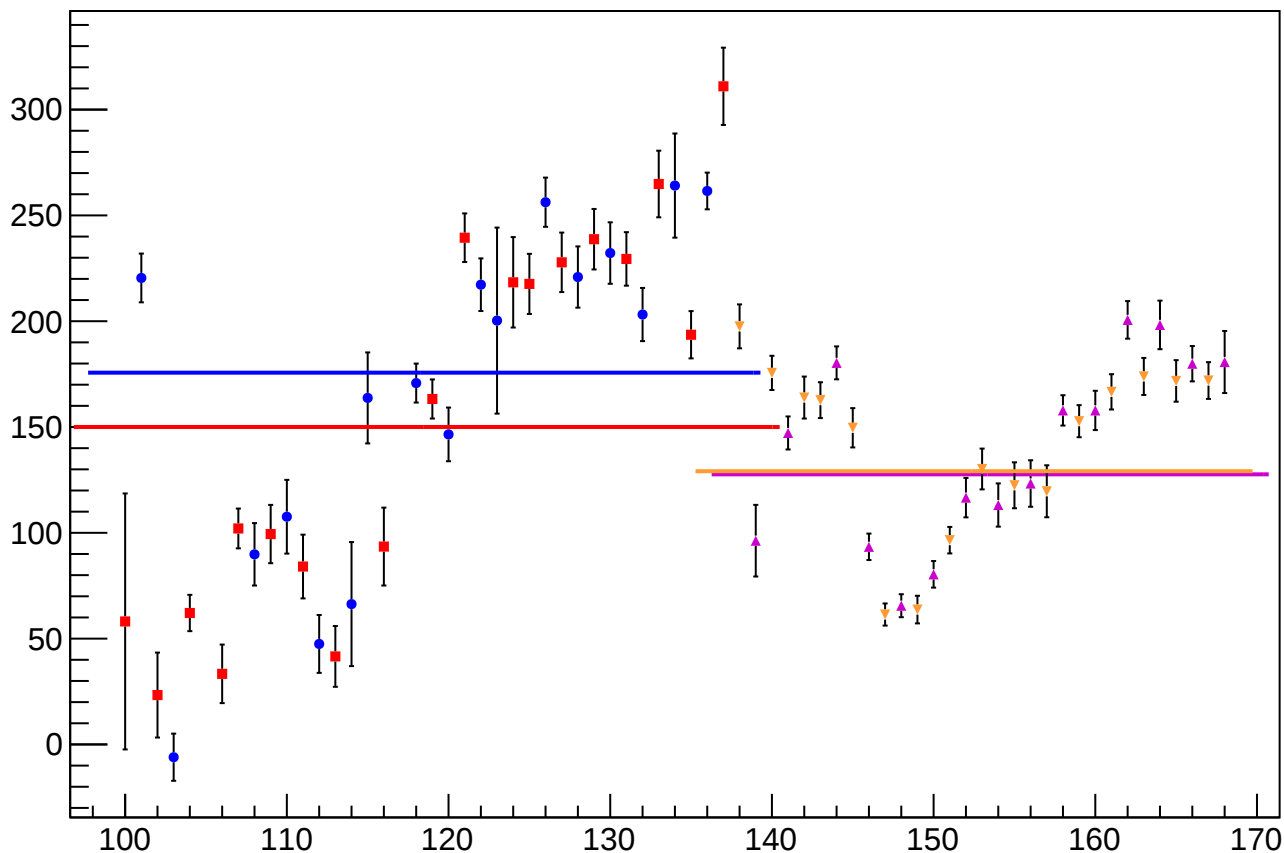
Left In: 541.400 $\pm$ 2.535 χ^2 /NDF: 725.0/14

+ sign 568.335 $\pm$ 2.233 χ^2 /NDF: 3777.7/32

All: 566.300 $\pm$ 1.581 χ^2 /NDF: 7994.9/66

- sign 564.258 $\pm$ 2.237 χ^2 /NDF: 4215.5/33

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 129.115 ± 2.040 χ^2/NDF : 505.3/15

Right Out: 150.017 ± 3.042 χ^2/NDF : 693.8/18

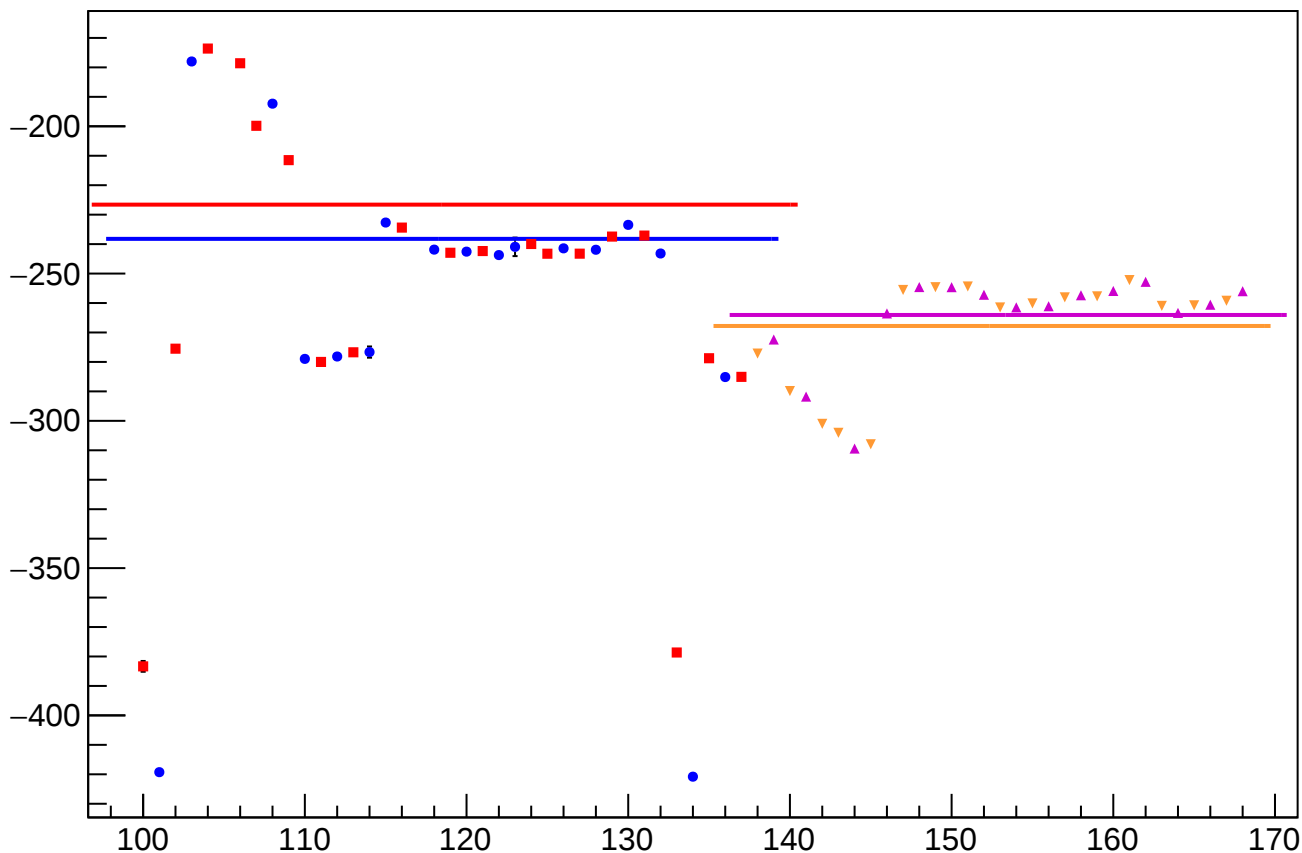
Left In: 127.638 ± 2.127 χ^2/NDF : 462.6/14

+ sign 142.344 ± 1.726 χ^2/NDF : 1291.3/32

All: 138.701 ± 1.227 χ^2/NDF : 2493.0/66

- sign 134.985 ± 1.743 χ^2/NDF : 1192.7/33

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -267.792 ± 0.100 χ^2/NDF : 32364.6/15

Right Out: -226.597 ± 0.151 χ^2/NDF : 102562.3/18

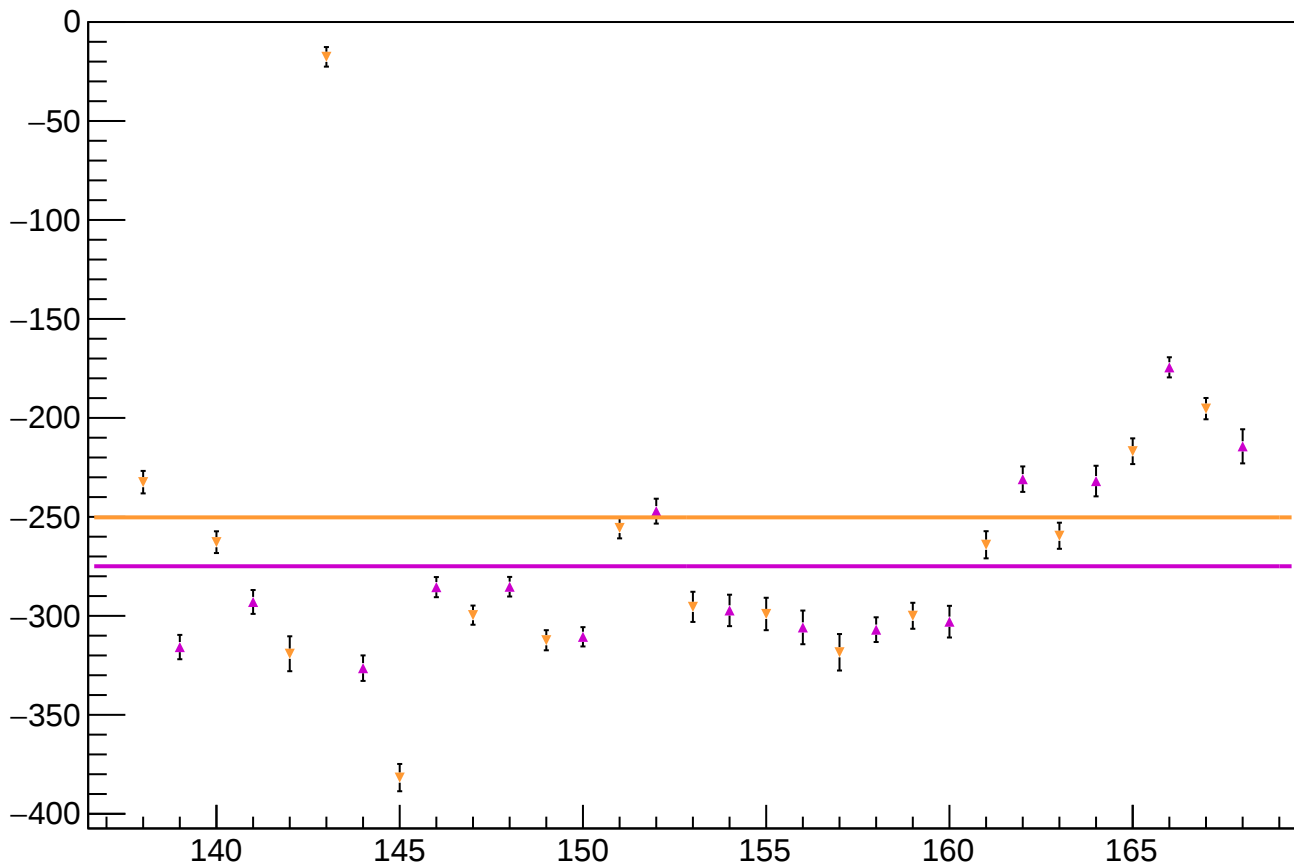
Left In: -264.057 ± 0.102 χ^2/NDF : 20557.2/14

+ sign -259.491 ± 0.085 χ^2/NDF : 223923.0/32

All: -255.915 ± 0.060 χ^2/NDF : 392804.3/66

- sign -252.389 ± 0.084 χ^2/NDF : 165366.5/33

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -250.244+/-1.532 χ^2/NDF : 3226.2/15

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

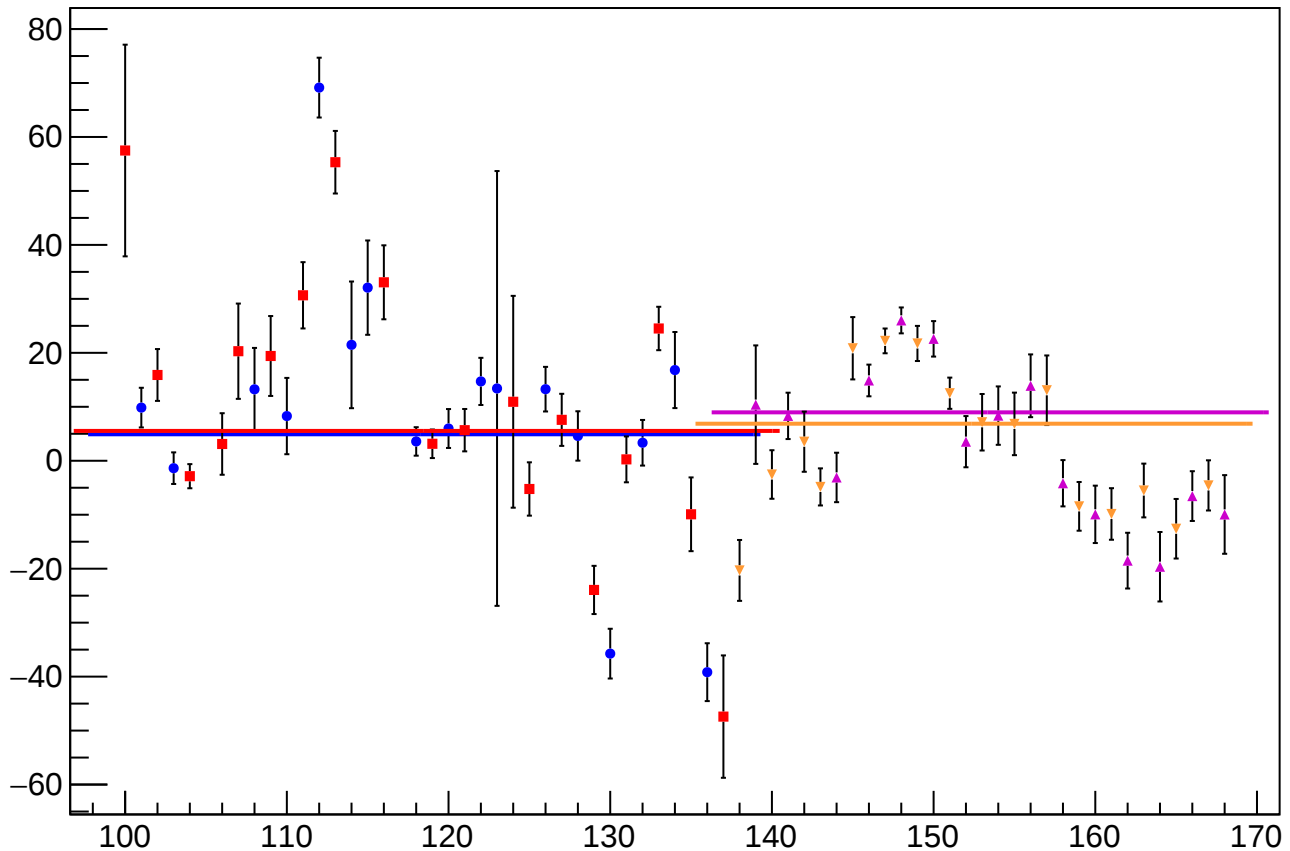
Left In: -274.939+/-1.604 χ^2/NDF : 775.7/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -262.027+/-1.108 χ^2/NDF : 4125.9/30

- 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: 6.865 ± 1.035 χ^2/NDF : 164.2/15

Right Out: 5.530 ± 1.069 χ^2/NDF : 238.9/18

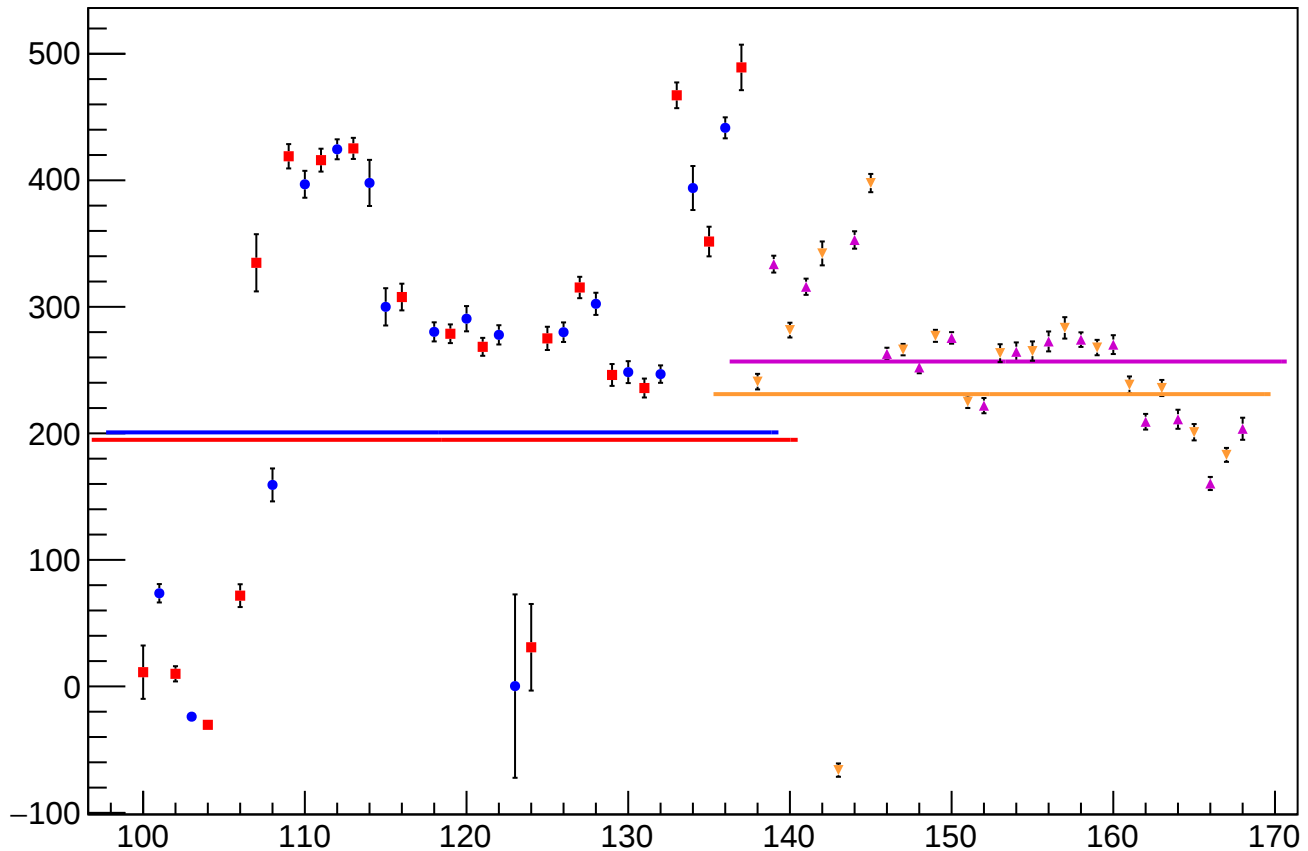
Left In: 8.970 ± 1.106 χ^2/NDF : 168.8/14

+ sign 5.950 ± 0.755 χ^2/NDF : 477.5/32

All: 6.560 ± 0.539 χ^2/NDF : 891.5/66

- sign 7.191 ± 0.768 χ^2/NDF : 412.7/33

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 ± 1.983 χ^2/NDF : 6733.0/16

Left Out: 231.006 ± 1.511 χ^2/NDF : 4288.2/15

Right Out: 194.892 ± 1.924 χ^2/NDF : 8247.1/18

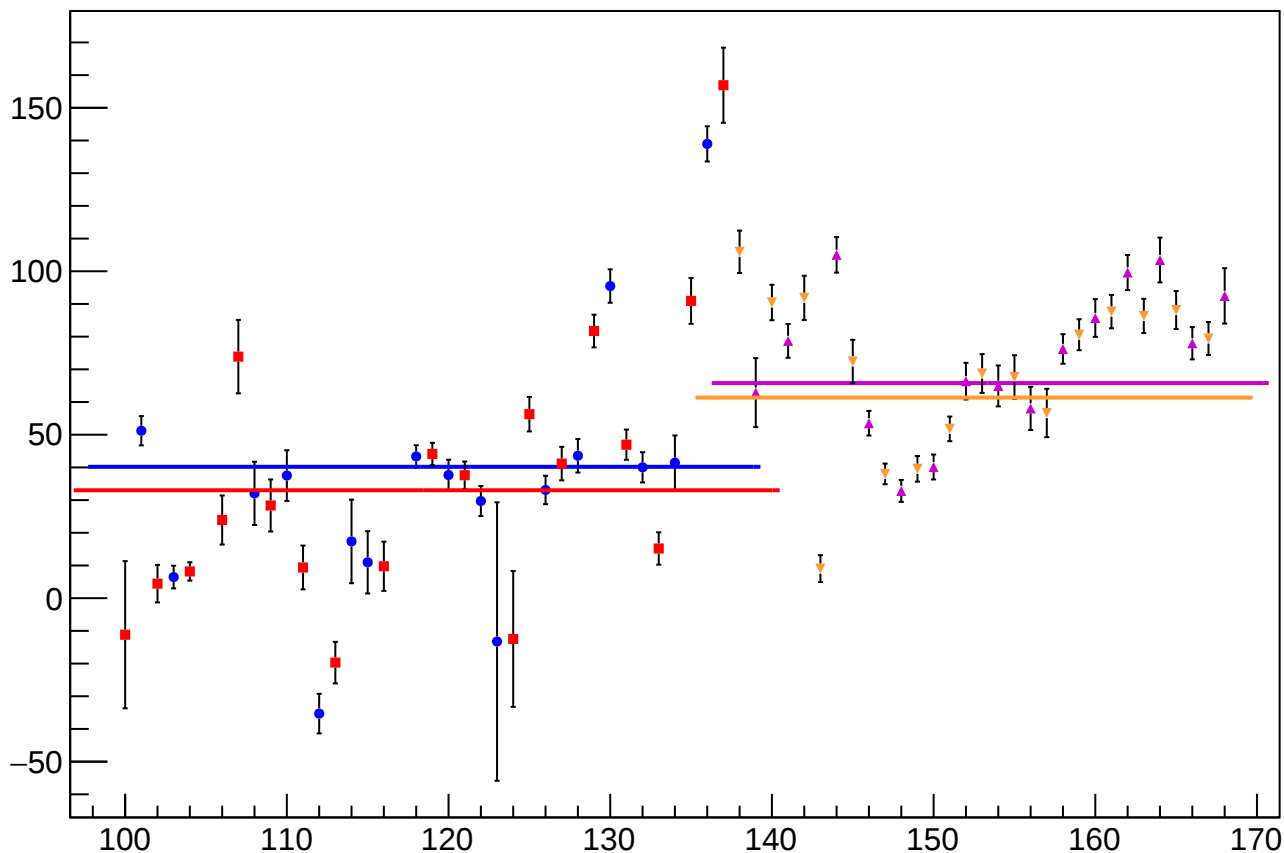
Left In: 256.778 ± 1.564 χ^2/NDF : 962.1/14

+ sign 219.901 ± 1.202 χ^2/NDF : 11168.2/32

All: 225.973 ± 0.854 χ^2/NDF : 21052.2/66

- sign 232.161 ± 1.213 χ^2/NDF : 9832.4/33

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185+/-1.283 χ^2 /NDF: 734.6/16

Left Out: 61.354+/-1.237 χ^2 /NDF: 455.5/15

Right Out: 33.006+/-1.250 χ^2 /NDF: 552.7/18

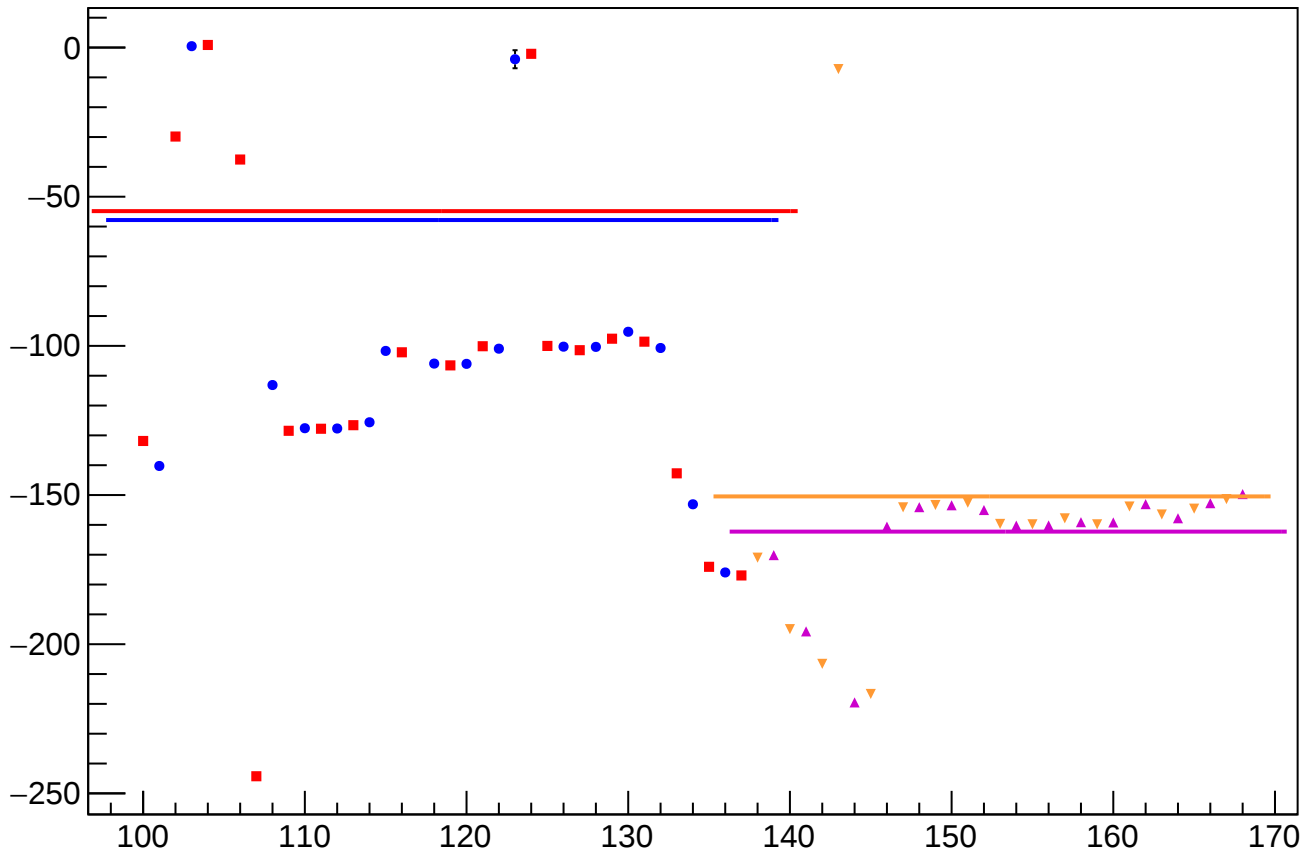
Left In: 65.799+/-1.315 χ^2 /NDF: 315.2/14

+ sign 51.158+/-0.891 χ^2 /NDF: 1331.2/32

All: 49.888+/-0.635 χ^2 /NDF: 2529.8/66

- sign 48.573+/-0.906 χ^2 /NDF: 1194.5/33

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -150.463 ± 0.061 $\chi^2/\text{NDF}: 579857.9/15$

Right Out: -54.833 ± 0.060 $\chi^2/\text{NDF}: 1000741.7/18$

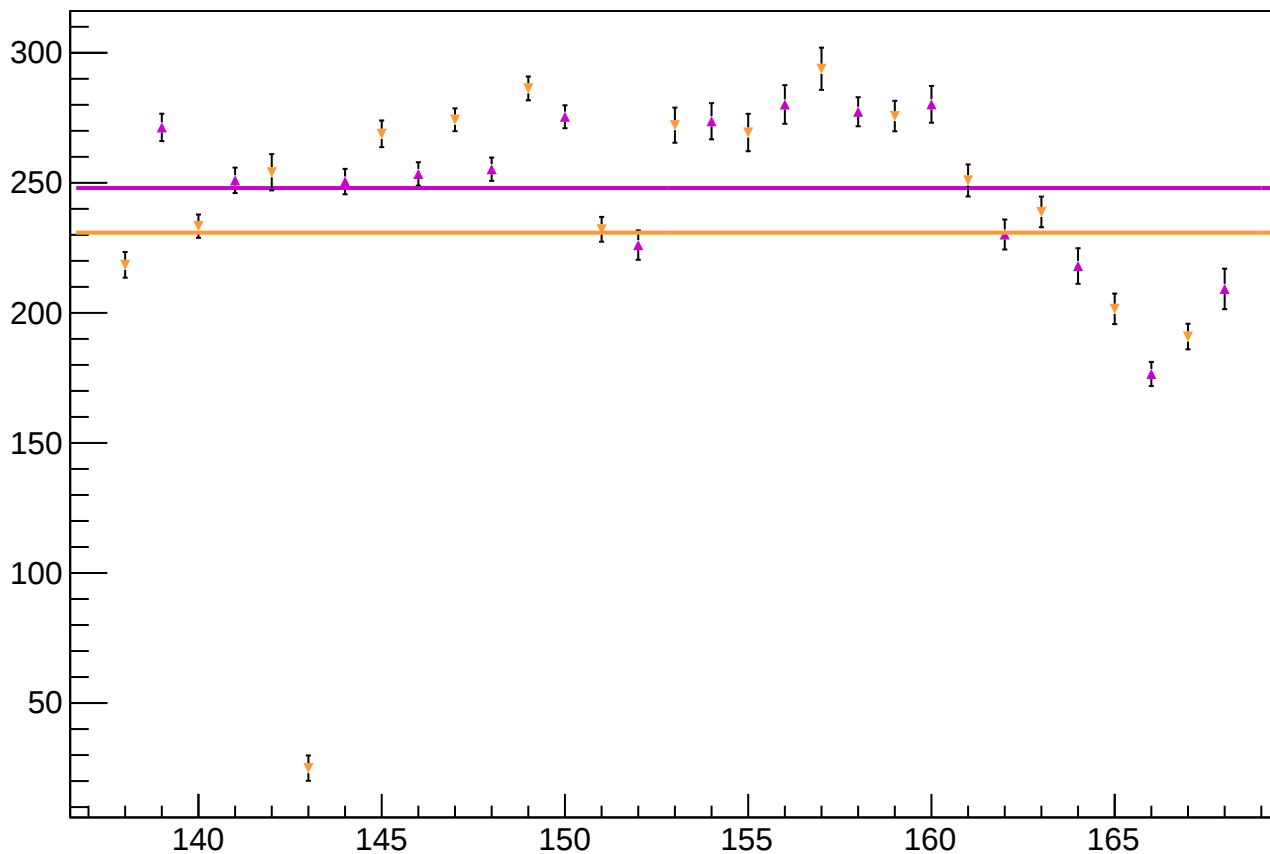
Left In: -162.260 ± 0.063 $\chi^2/\text{NDF}: 63695.0/14$

+ sign -104.858 ± 0.043 $\chi^2/\text{NDF}: 2822536.8/32$

All: -105.605 ± 0.031 $\chi^2/\text{NDF}: 5413218.7/66$

- sign -106.356 ± 0.043 $\chi^2/\text{NDF}: 2590086.1/33$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 230.841+/-1.353 χ^2/NDF : 2392.9/15

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

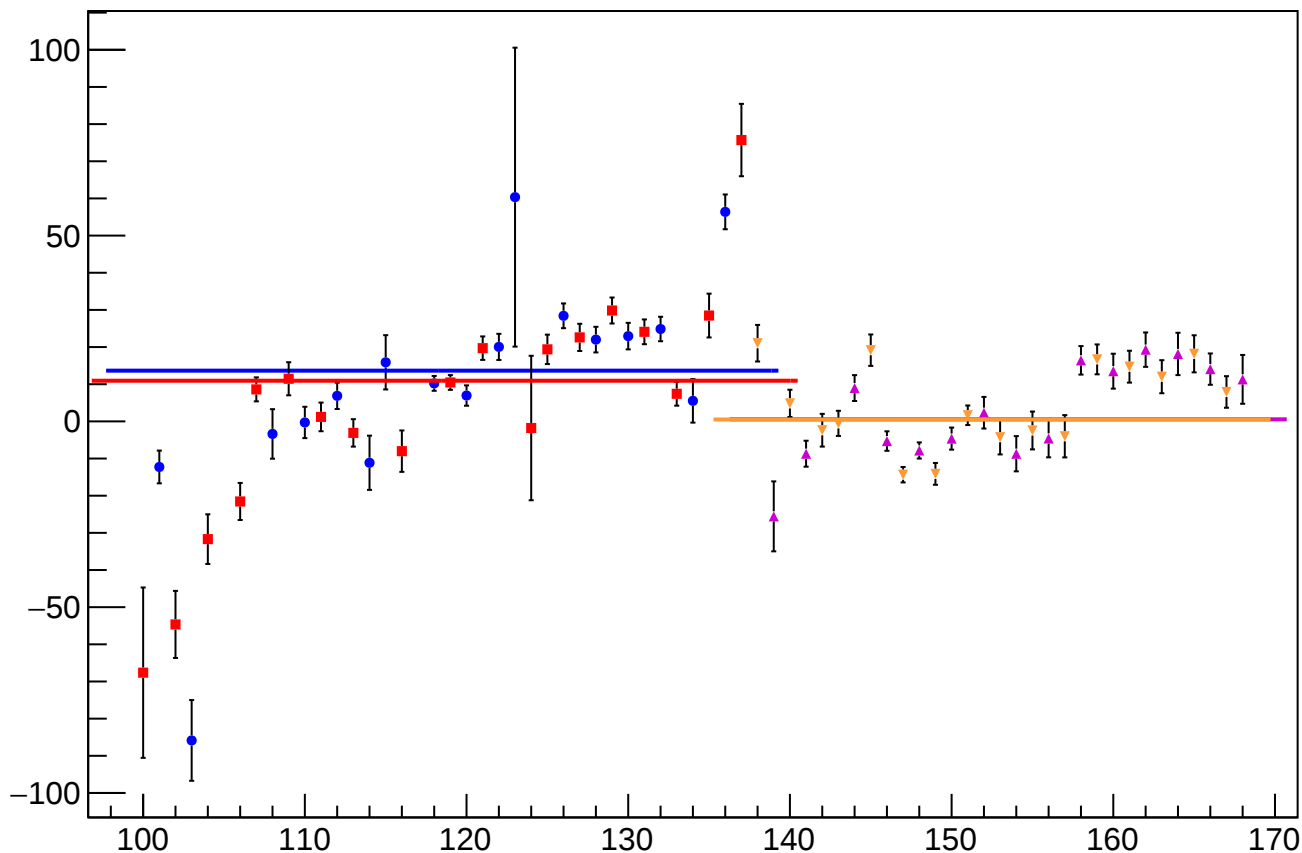
Left In: 248.008+/-1.404 χ^2/NDF : 448.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 239.104+/-0.974 χ^2/NDF : 2919.3/30

- 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: 0.505 $\pm$ 0.920 χ^2 /NDF:166.4/15

Right Out: 10.944 $\pm$ 0.913 χ^2 /NDF: 302.5/18

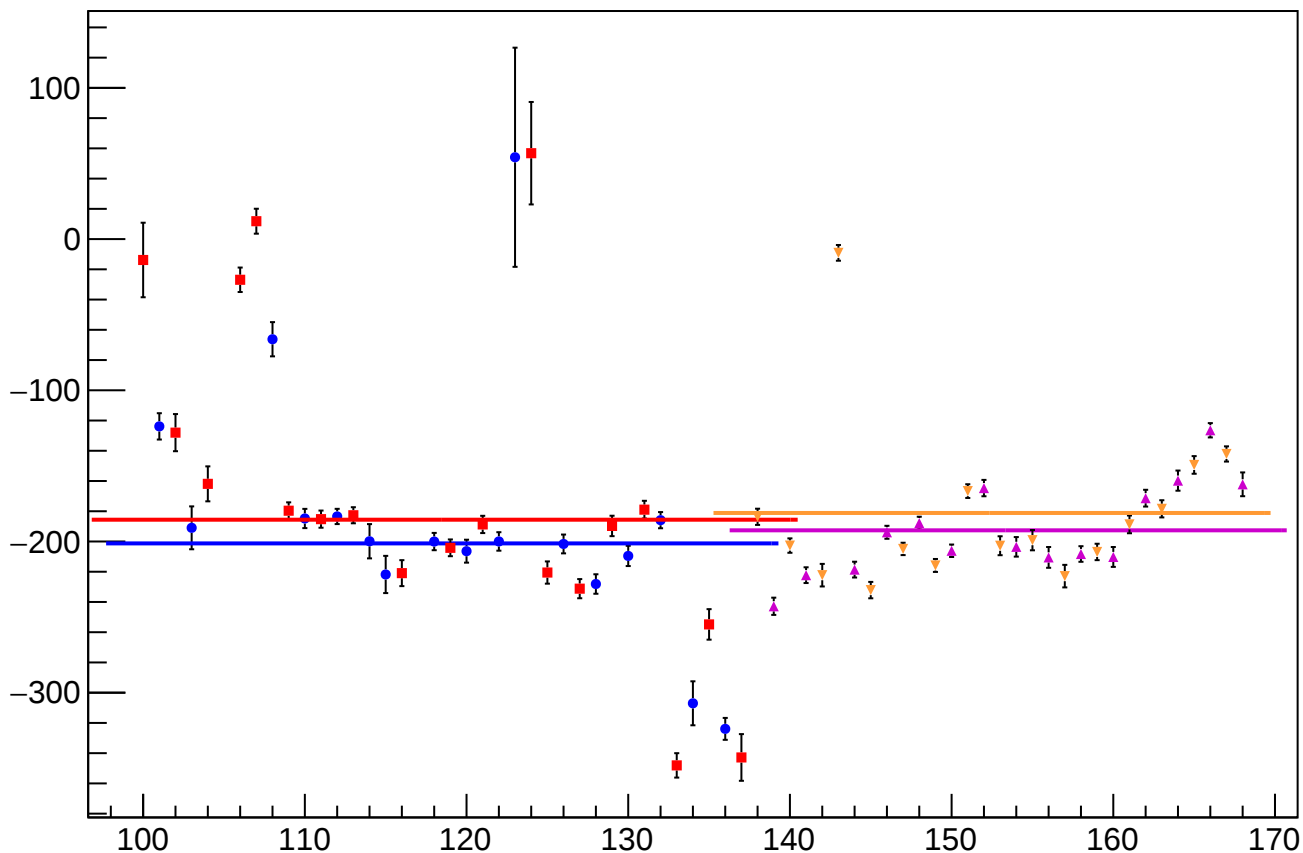
Left In: 0.555 $\pm$ 0.973 χ^2 /NDF:112.2/14

+ sign 6.965 $\pm$ 0.656 χ^2 /NDF: 560.7/32

All: 6.529 $\pm$ 0.467 χ^2 /NDF: 1036.9/66

- sign 6.081 $\pm$ 0.666 χ^2 /NDF: 475.3/33

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -181.136 ± 1.338 χ^2/NDF : 1508.8/15

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

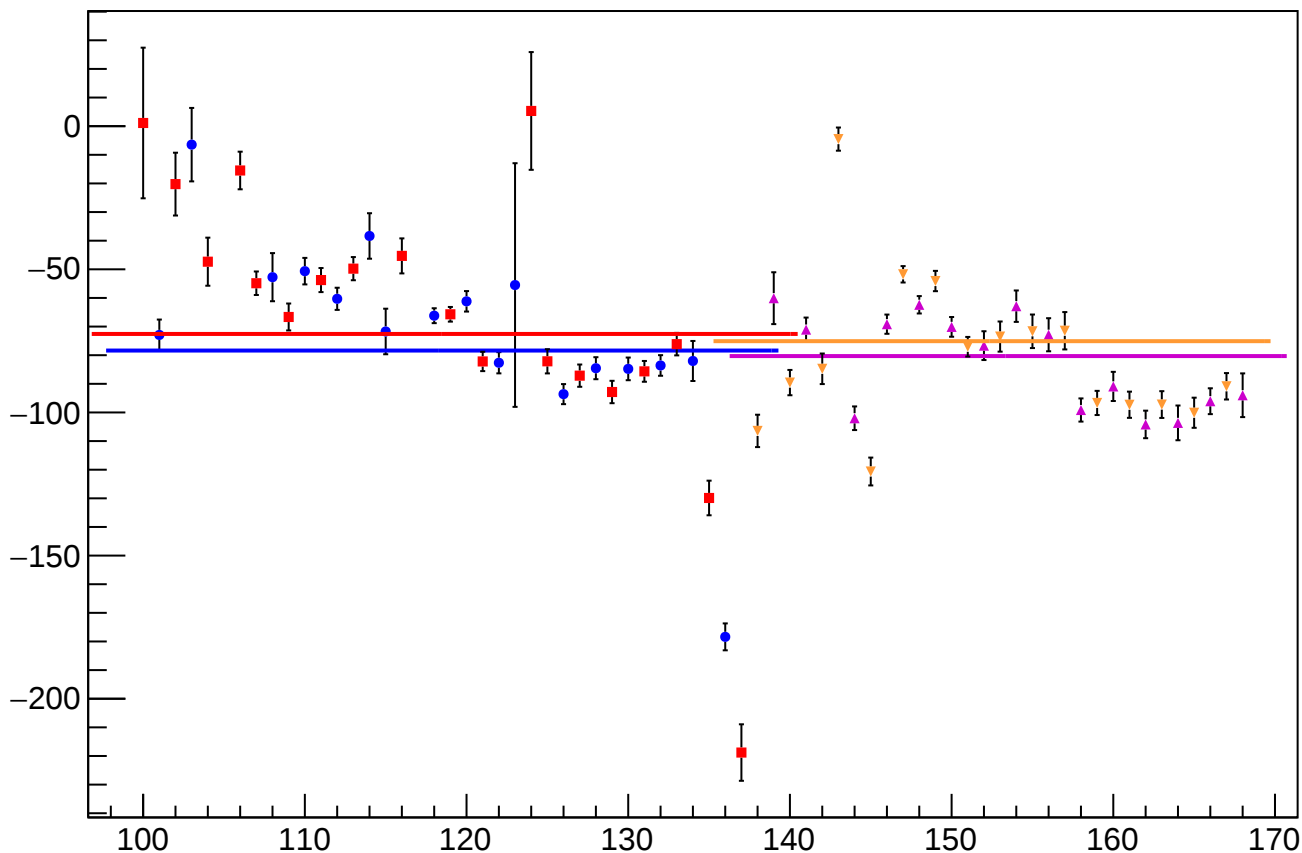
Left In: -192.617 ± 1.374 χ^2/NDF : 448.8/14

+ sign -188.321 ± 1.073 χ^2/NDF : 2213.0/32

All: -189.084 ± 0.757 χ^2/NDF : 4419.2/66

- sign -189.841 ± 1.068 χ^2/NDF : 2205.2/33

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -75.100 ± 1.098 χ^2/NDF : 645.8/15

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

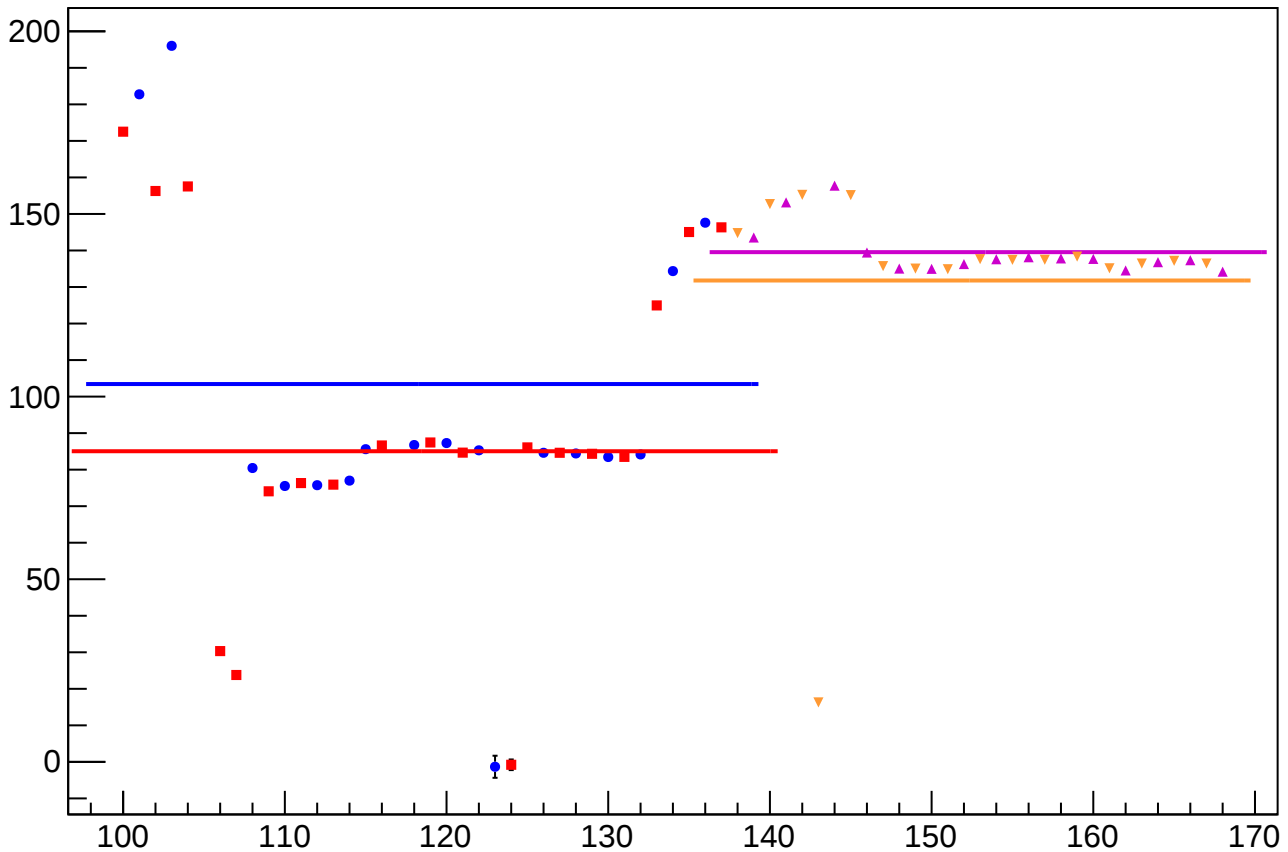
Left In: -80.306 ± 1.156 χ^2/NDF : 185.2/14

+ sign -76.764 ± 0.771 χ^2/NDF : 1301.7/32

All: -76.423 ± 0.547 χ^2/NDF : 2117.6/66

- sign -76.075 ± 0.778 χ^2/NDF : 815.5/33

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 ± 0.071 $\chi^2/\text{NDF}: 272785.6/16$

Left Out: 131.784 ± 0.054 $\chi^2/\text{NDF}: 346073.2/15$

Right Out: 85.043 ± 0.064 $\chi^2/\text{NDF}: 422343.0/18$

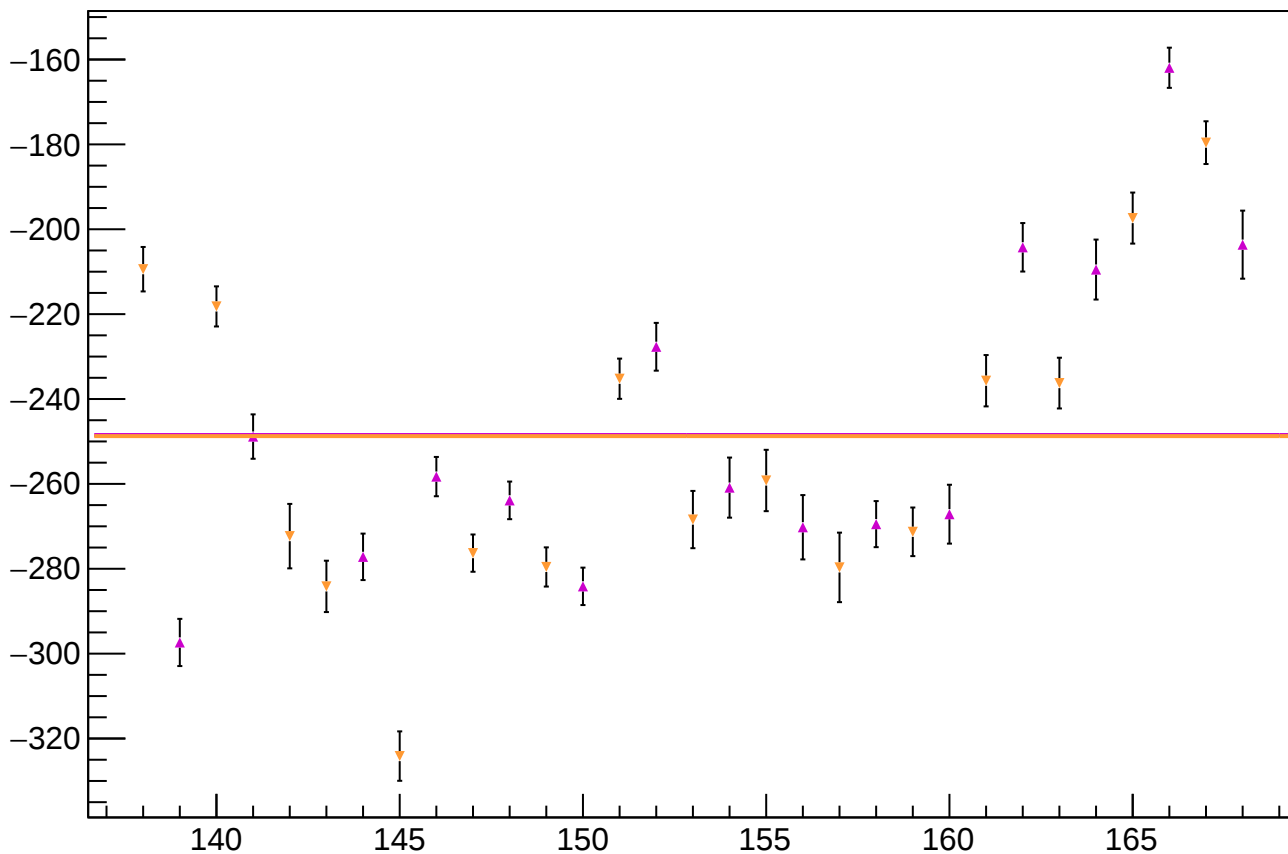
Left In: 139.546 ± 0.055 $\chi^2/\text{NDF}: 13783.2/14$

+ sign 121.422 ± 0.043 $\chi^2/\text{NDF}: 720348.6/32$

All: 118.755 ± 0.030 $\chi^2/\text{NDF}: 1582418.7/66$

- sign 116.232 ± 0.042 $\chi^2/\text{NDF}: 854534.2/33$

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -248.743+/-1.404 χ^2/NDF : 712.7/15

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

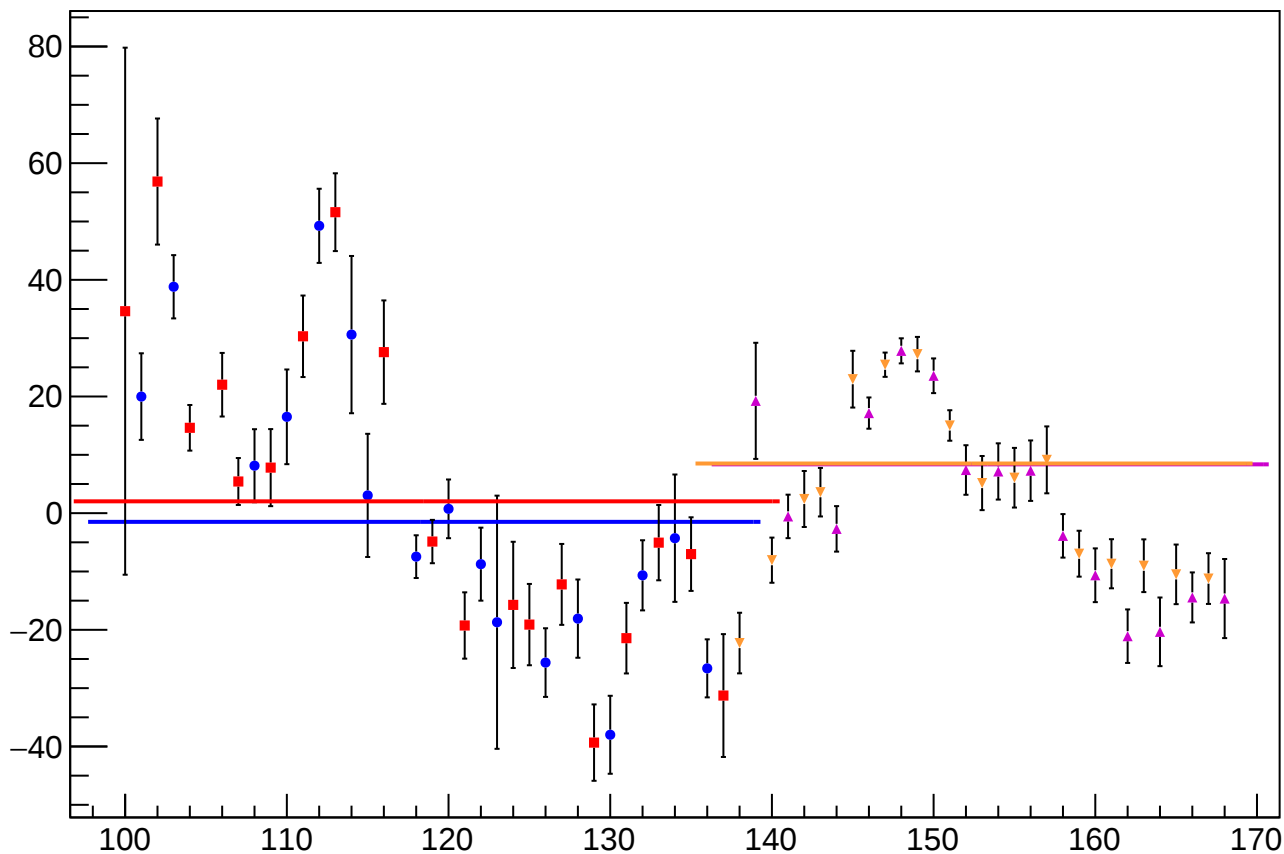
Left In: -248.488+/-1.435 χ^2/NDF : 689.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -248.619+/-1.003 χ^2/NDF : 1402.3/30

- 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 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 8.511 ± 0.947 $\chi^2/\text{NDF}: 260.2/15$

Right Out: 2.028 ± 1.400 $\chi^2/\text{NDF}: 233.3/18$

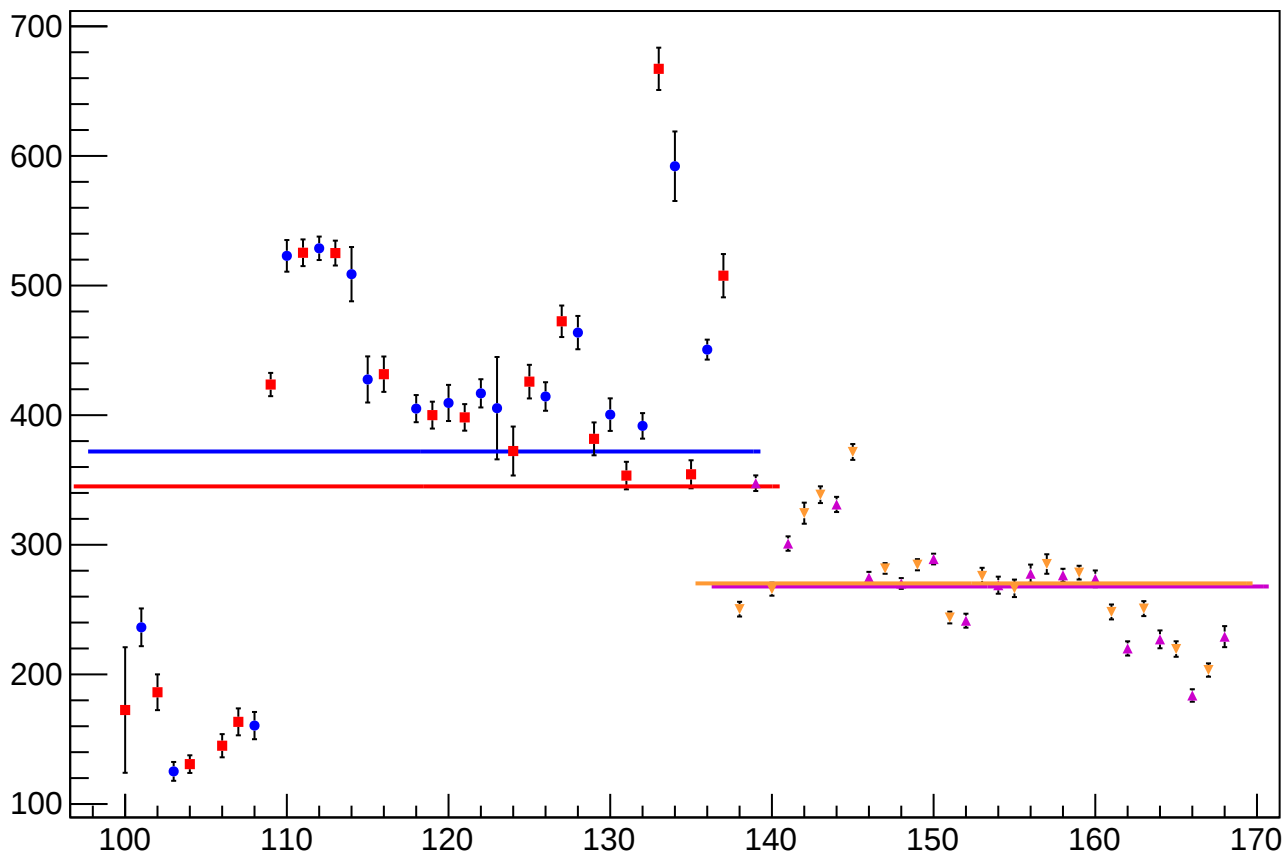
Left In: 8.368 ± 0.988 $\chi^2/\text{NDF}: 266.6/14$

+ sign 5.757 ± 0.806 $\chi^2/\text{NDF}: 516.9/32$

All: 6.007 ± 0.570 $\chi^2/\text{NDF}: 1030.7/66$

- sign 6.258 ± 0.807 $\chi^2/\text{NDF}: 513.6/33$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 270.203 $\pm$ 1.380 χ^2 /NDF: 771.6/15

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

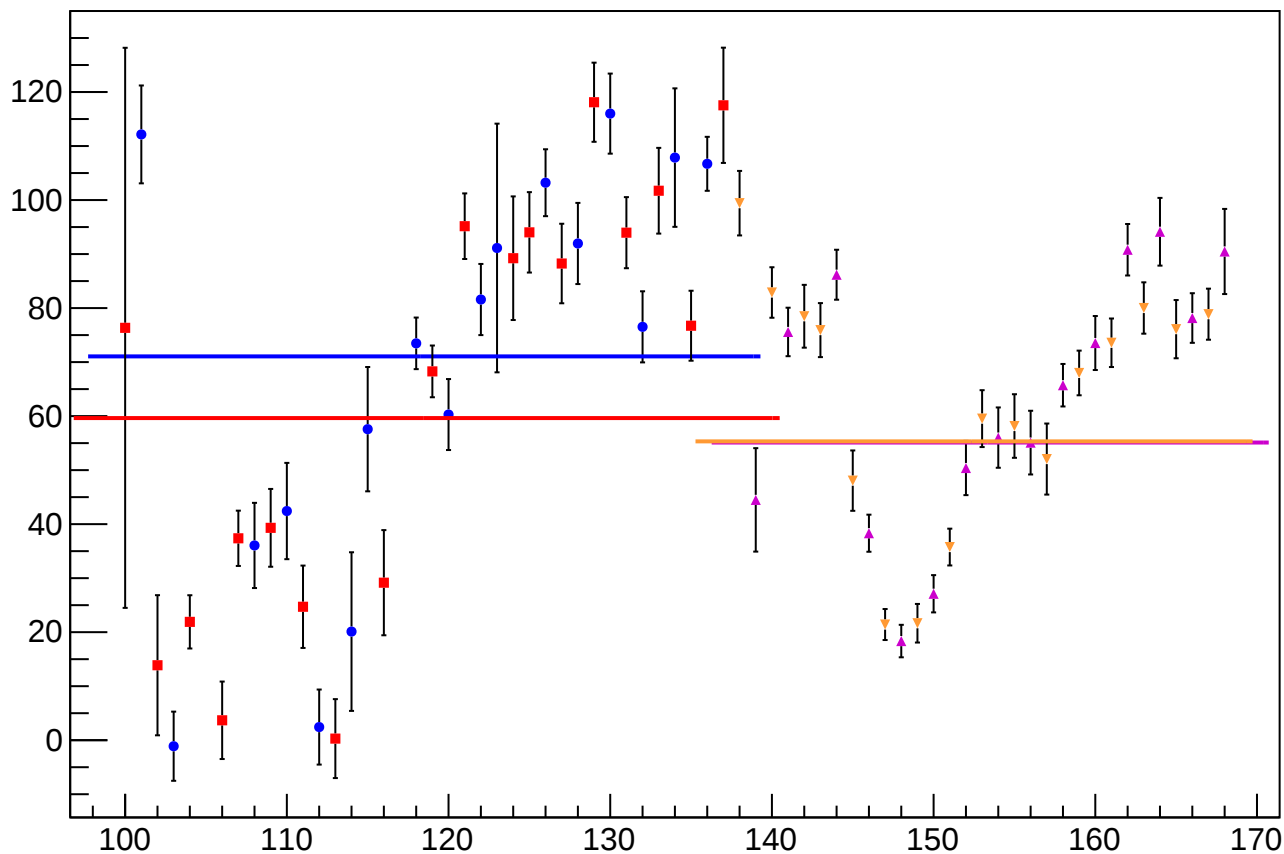
Left In: 267.826 $\pm$ 1.399 χ^2 /NDF: 823.3/14

+ sign 290.360 $\pm$ 1.236 χ^2 /NDF: 4280.8/32

All: 287.946 $\pm$ 0.871 χ^2 /NDF: 9226.5/66

- sign 285.565 $\pm$ 1.228 χ^2 /NDF: 4938.2/33

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 55.323 $\pm$ 1.132 χ^2 /NDF: 478.8/15

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

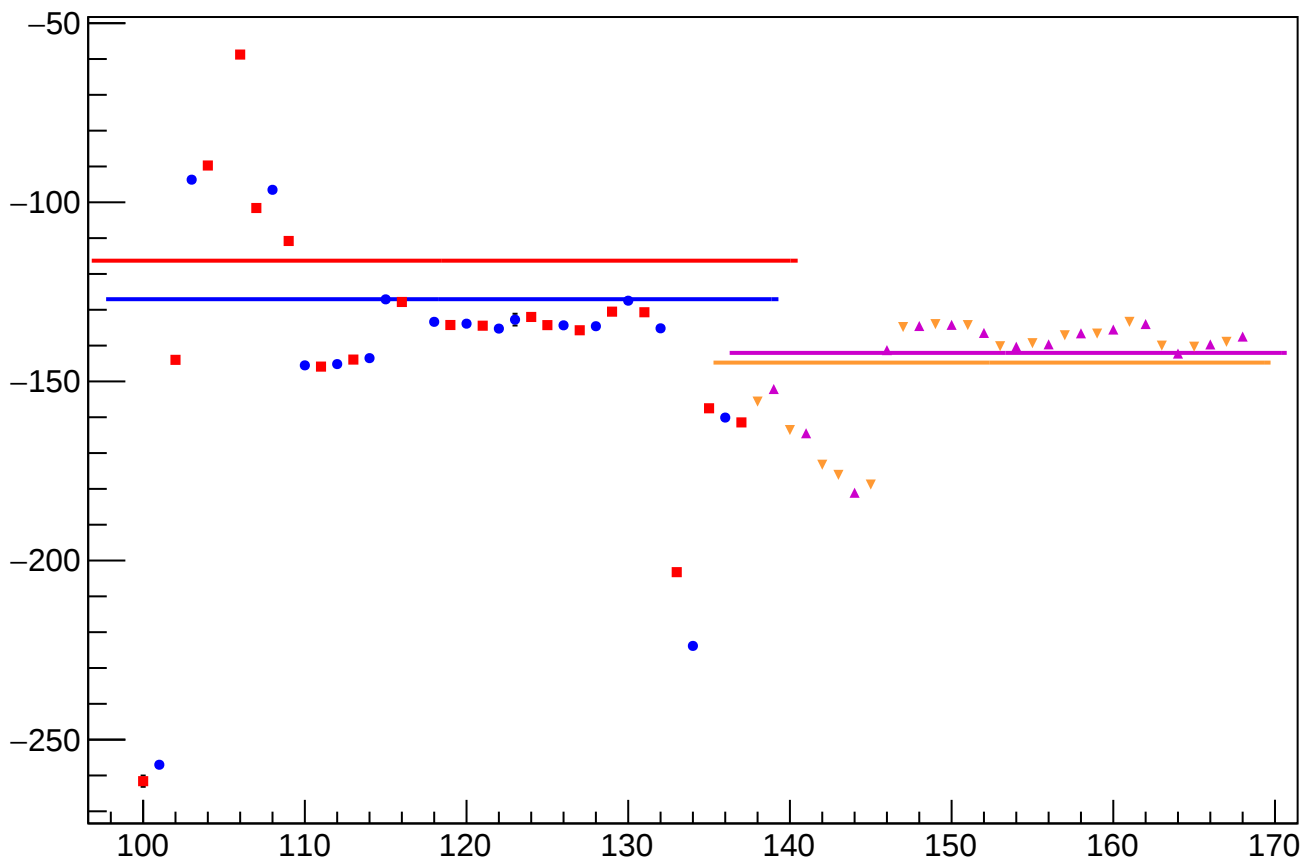
Left In: 55.109 $\pm$ 1.175 χ^2 /NDF: 468.2/14

+ sign 59.910 $\pm$ 0.953 χ^2 /NDF: 961.4/32

All: 58.284 $\pm$ 0.674 χ^2 /NDF: 1932.1/66

- sign 56.656 $\pm$ 0.953 χ^2 /NDF: 964.9/33

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 ± 0.090 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -144.748 ± 0.056 $\chi^2/\text{NDF}: 68504.6/15$

Right Out: -116.295 ± 0.083 $\chi^2/\text{NDF}: 167109.1/18$

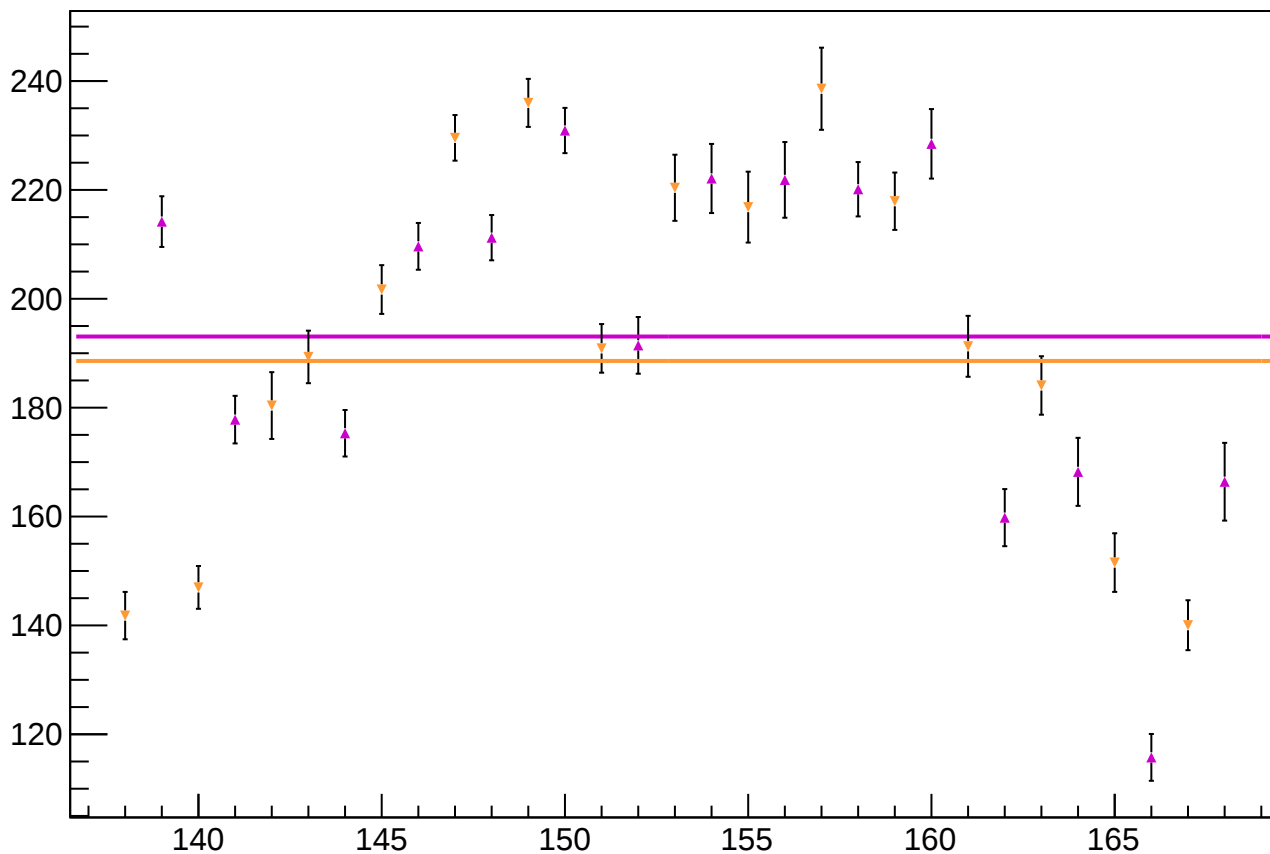
Left In: -142.037 ± 0.056 $\chi^2/\text{NDF}: 43433.0/14$

+ sign -139.849 ± 0.047 $\chi^2/\text{NDF}: 263627.9/32$

All: -136.860 ± 0.033 $\chi^2/\text{NDF}: 548111.5/66$

- sign -133.968 ± 0.046 $\chi^2/\text{NDF}: 276602.6/33$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 188.583+/-1.242 χ^2/NDF : 730.9/15

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

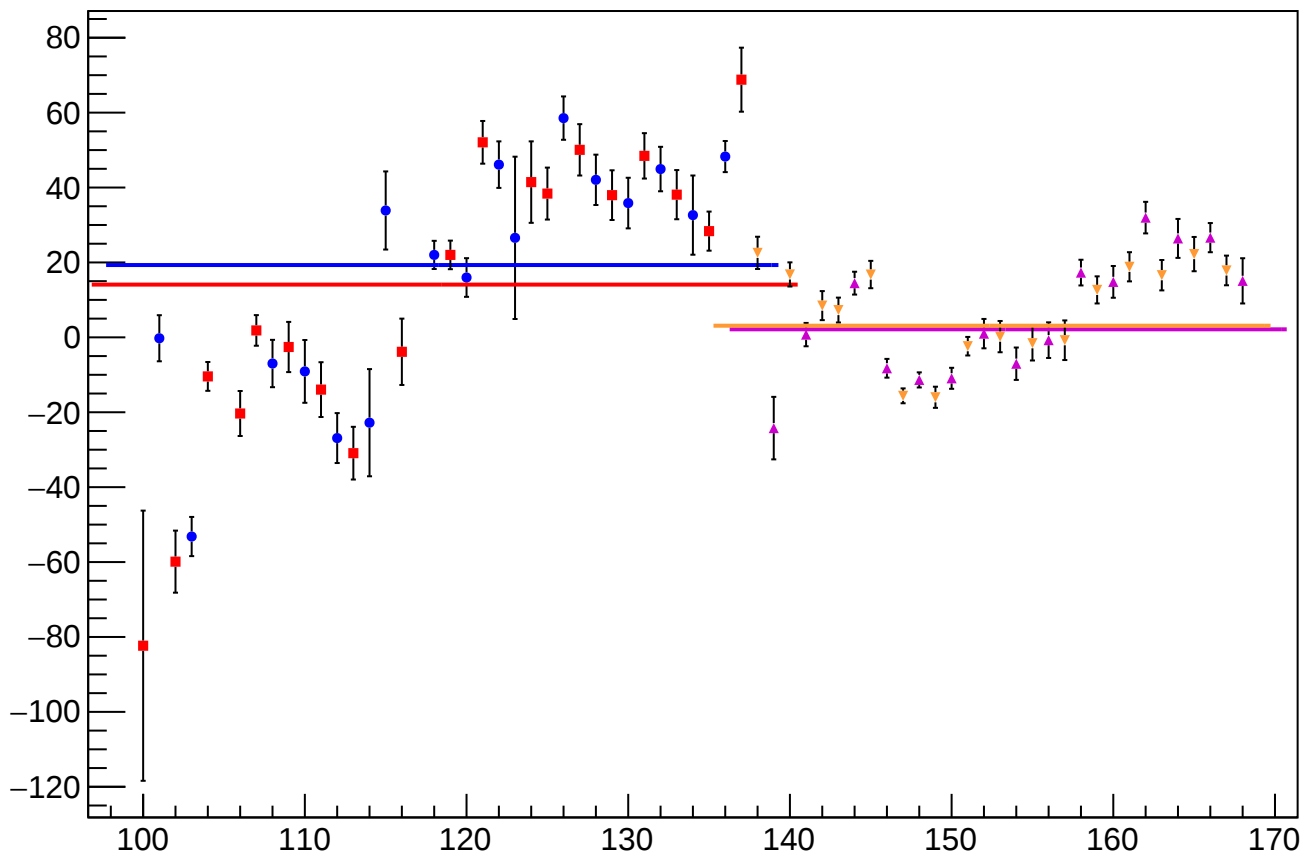
Left In: 193.067+/-1.285 χ^2/NDF : 658.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 190.749+/-0.893 χ^2/NDF : 1395.3/30

- 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 $\chi^2/\text{NDF}: 441.3/16$

Left Out: 3.109 ± 0.852 $\chi^2/\text{NDF}: 263.3/15$

Right Out: 14.083 ± 1.390 $\chi^2/\text{NDF}: 436.9/18$

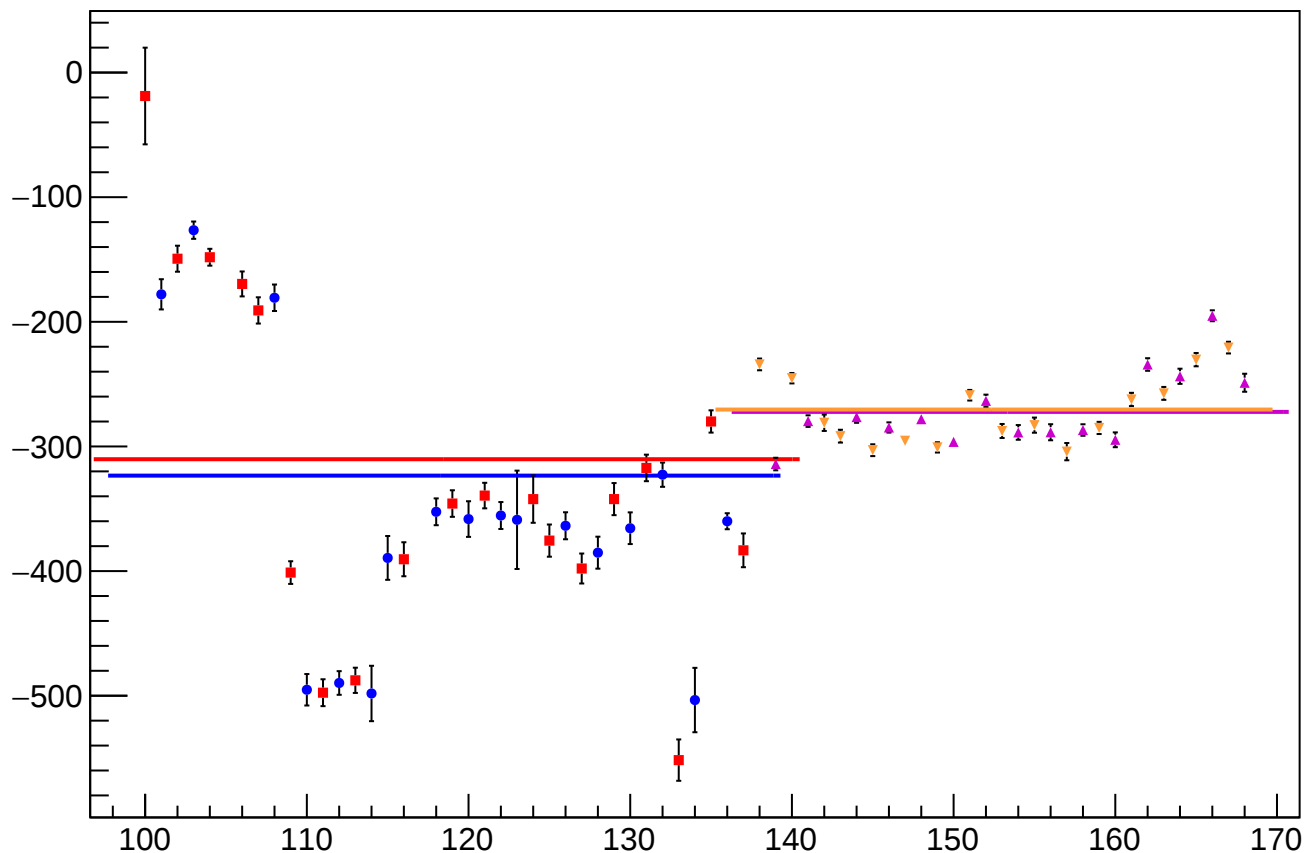
Left In: 2.142 ± 0.895 $\chi^2/\text{NDF}: 259.7/14$

+ sign 7.056 ± 0.741 $\chi^2/\text{NDF}: 792.7/32$

All: 6.362 ± 0.528 $\chi^2/\text{NDF}: 1543.3/66$

- sign 5.646 ± 0.753 $\chi^2/\text{NDF}: 748.8/33$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -270.391 ± 1.230 $\chi^2/\text{NDF}: 487.3/15$

Right Out: -310.236 ± 2.523 $\chi^2/\text{NDF}: 2298.8/18$

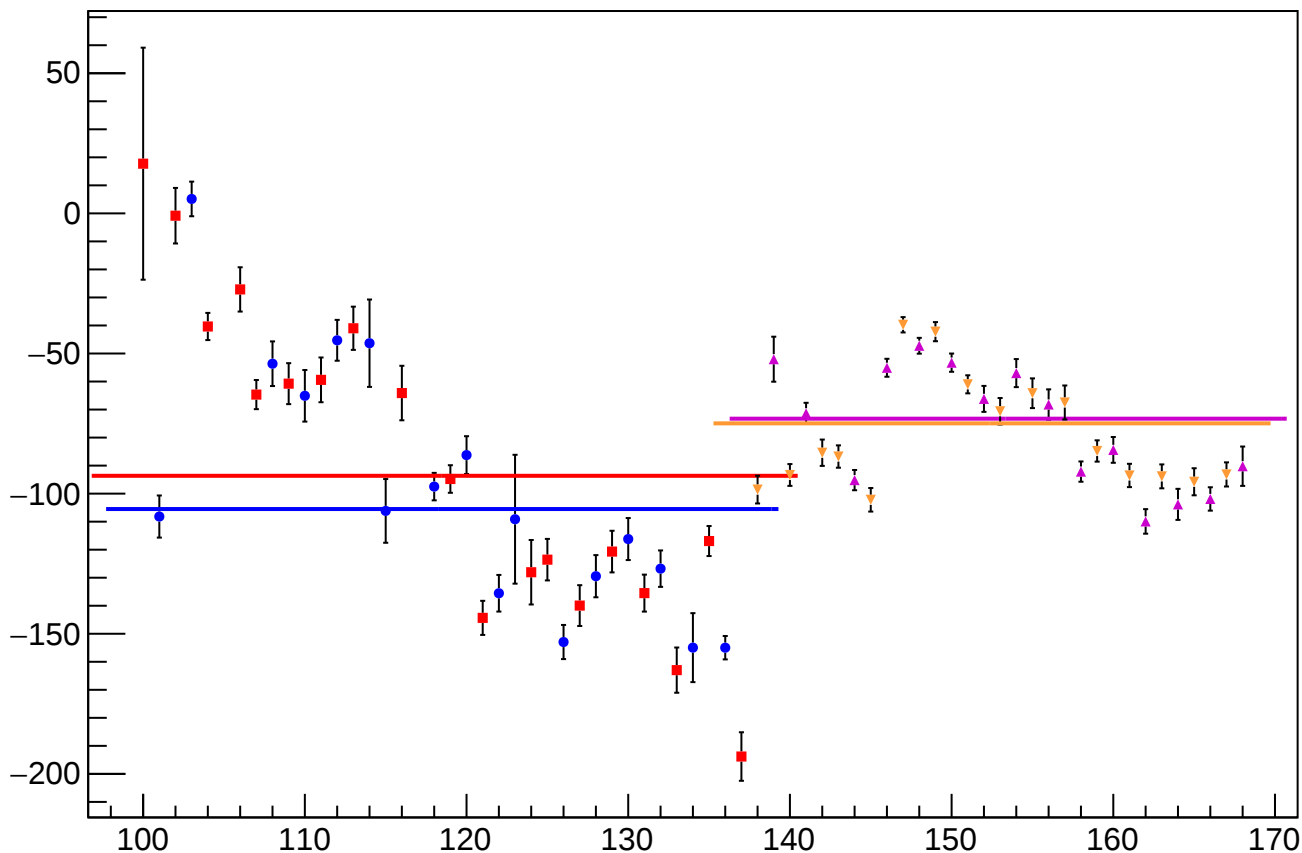
Left In: -272.274 ± 1.259 $\chi^2/\text{NDF}: 562.7/14$

+ sign -279.597 ± 1.119 $\chi^2/\text{NDF}: 2659.3/32$

All: -279.720 ± 0.794 $\chi^2/\text{NDF}: 5702.0/66$

- sign -279.844 ± 1.127 $\chi^2/\text{NDF}: 3042.7/33$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -74.923 ± 1.014 χ^2/NDF : 466.0/15

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

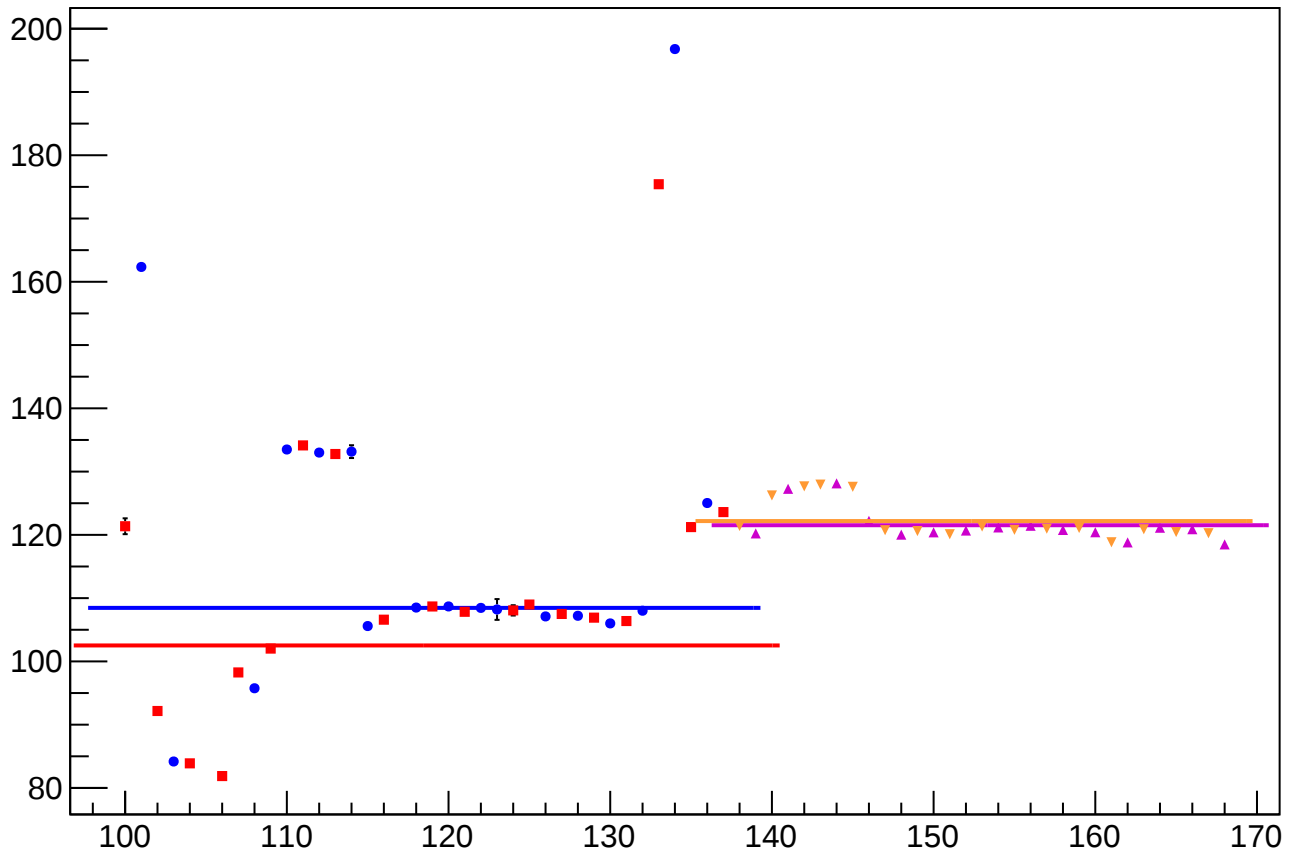
Left In: -73.257 ± 1.062 χ^2/NDF : 399.3/14

+ sign -82.860 ± 0.872 χ^2/NDF : 1439.5/32

All: -81.173 ± 0.622 χ^2/NDF : 2785.1/66

- sign -79.432 ± 0.886 χ^2/NDF : 1338.0/33

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 122.181 $\pm$ 0.049 χ^2 /NDF:3437.4/15

Right Out: 102.521 $\pm$ 0.080 χ^2 /NDF: 52992.1/18

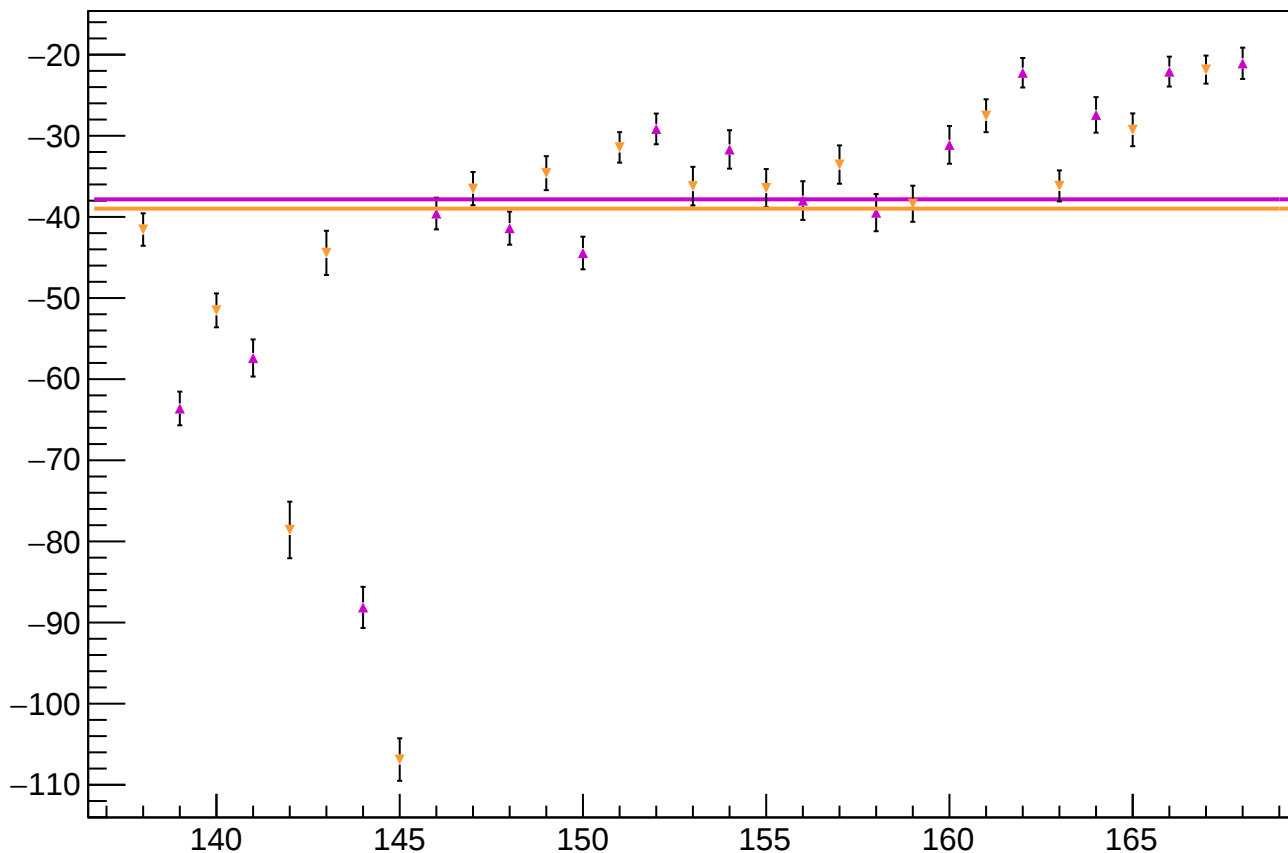
Left In: 121.523 $\pm$ 0.050 χ^2 /NDF:2616.5/14

+ sign 118.716 $\pm$ 0.043 χ^2 /NDF: 96216.5/32

All: 117.393 $\pm$ 0.030 χ^2 /NDF: 194444.4/66

- sign 116.077 $\pm$ 0.043 χ^2 /NDF: 96313.8/33

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -38.978+/-0.540 χ^2/NDF : 1028.4/15

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

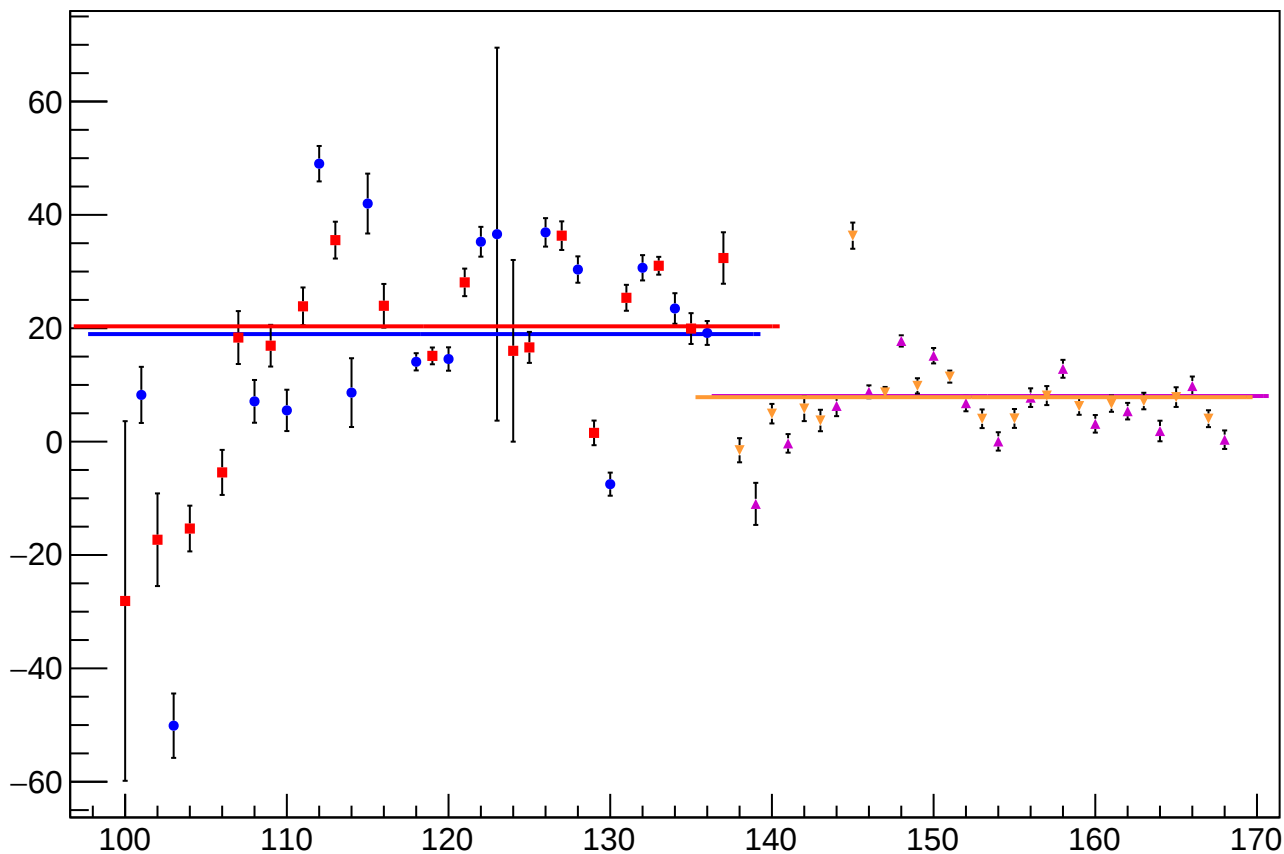
Left In: -37.832+/-0.541 χ^2/NDF : 916.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -38.406+/-0.382 χ^2/NDF : 1947.2/30

- 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: 7.840 ± 0.379 χ^2/NDF : 213.2/15

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

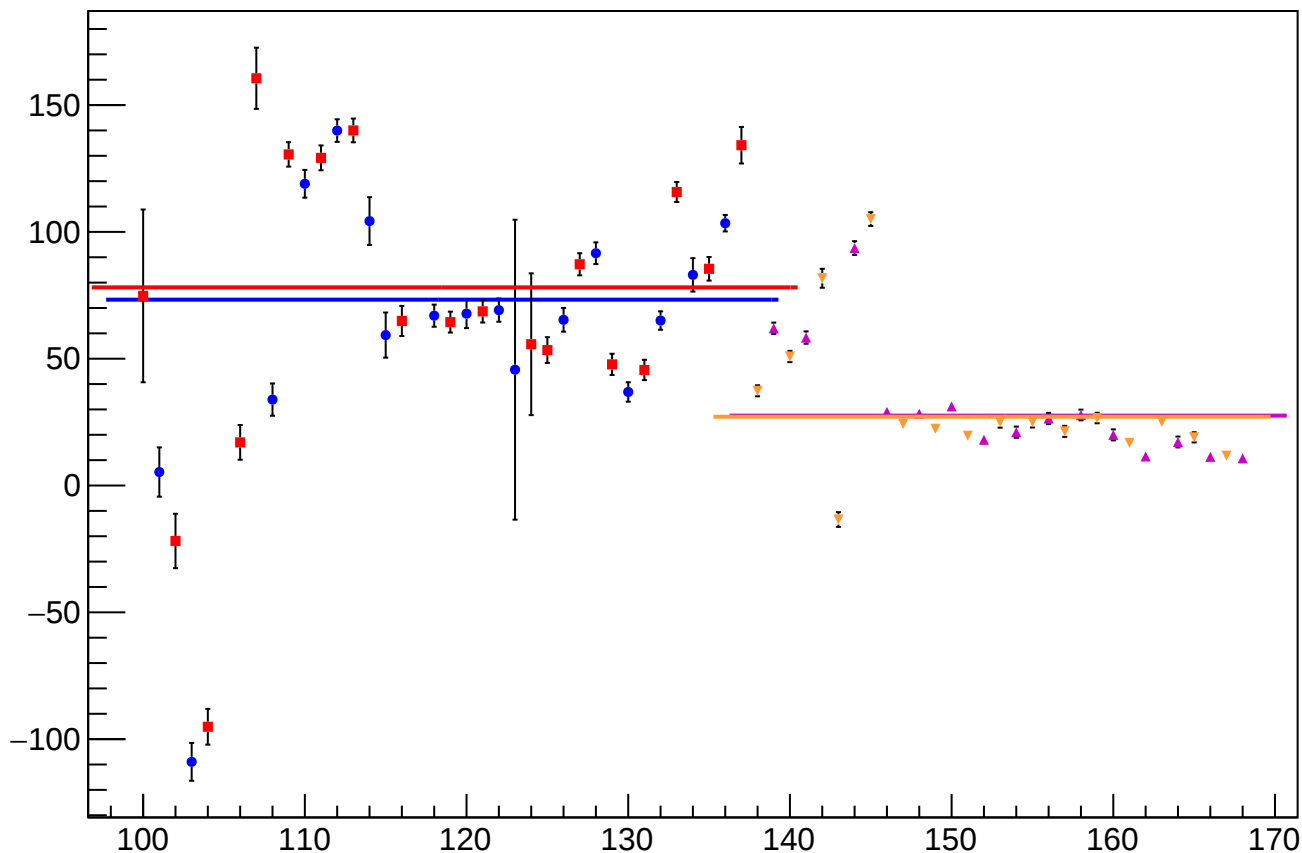
Left In: 8.044 ± 0.388 χ^2/NDF : 259.5/14

+ sign 10.643 ± 0.328 χ^2/NDF : 1048.9/32

All: 10.984 ± 0.233 χ^2/NDF : 1945.5/66

- sign 11.335 ± 0.332 χ^2/NDF : 894.3/33

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 27.120 $\pm$ 0.529 χ^2 /NDF: 1531.1/15

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

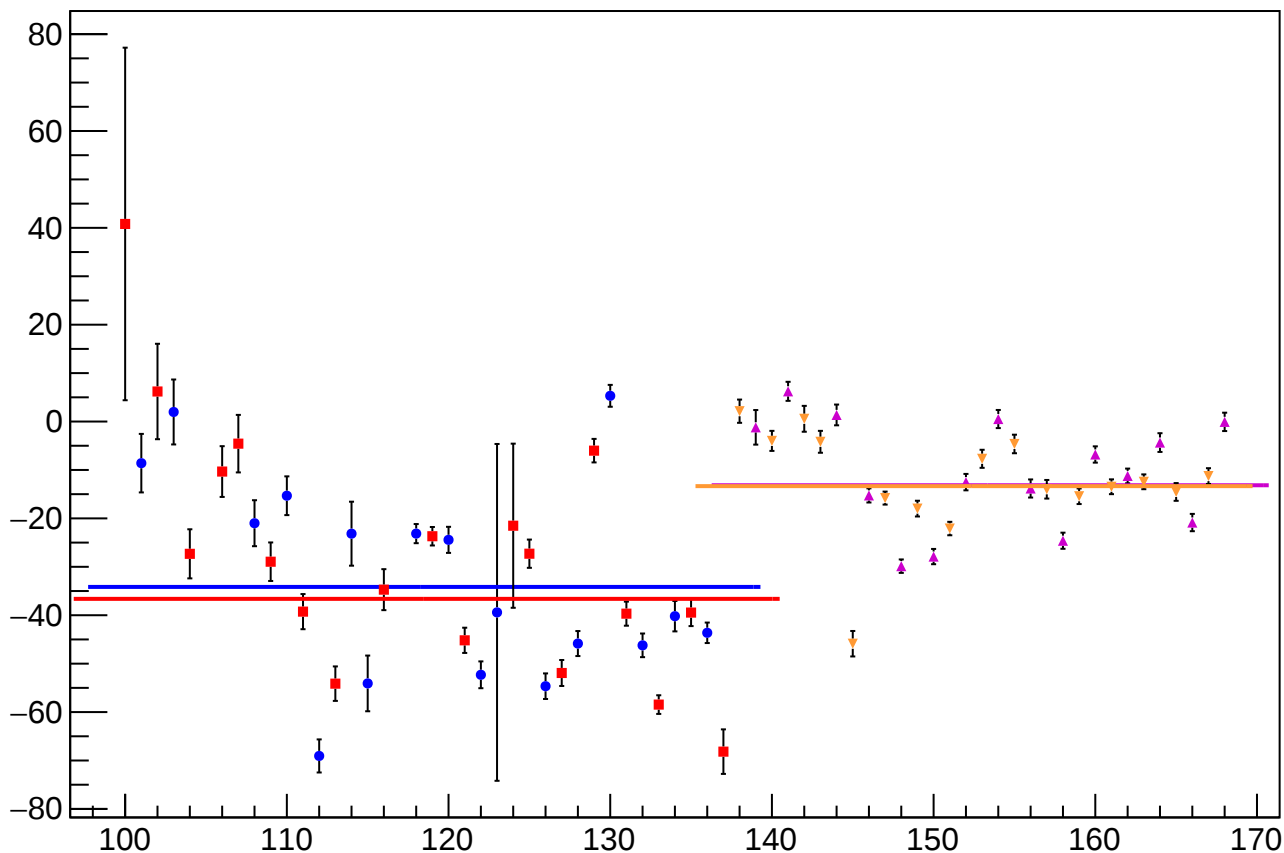
Left In: 27.558 $\pm$ 0.528 χ^2 /NDF: 1298.8/14

+ sign 34.268 $\pm$ 0.487 χ^2 /NDF: 3907.5/32

All: 34.886 $\pm$ 0.343 χ^2 /NDF: 8195.4/66

- sign 35.498 $\pm$ 0.484 χ^2 /NDF: 4284.7/33

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.341 ± 0.443 χ^2/NDF : 343.8/15

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

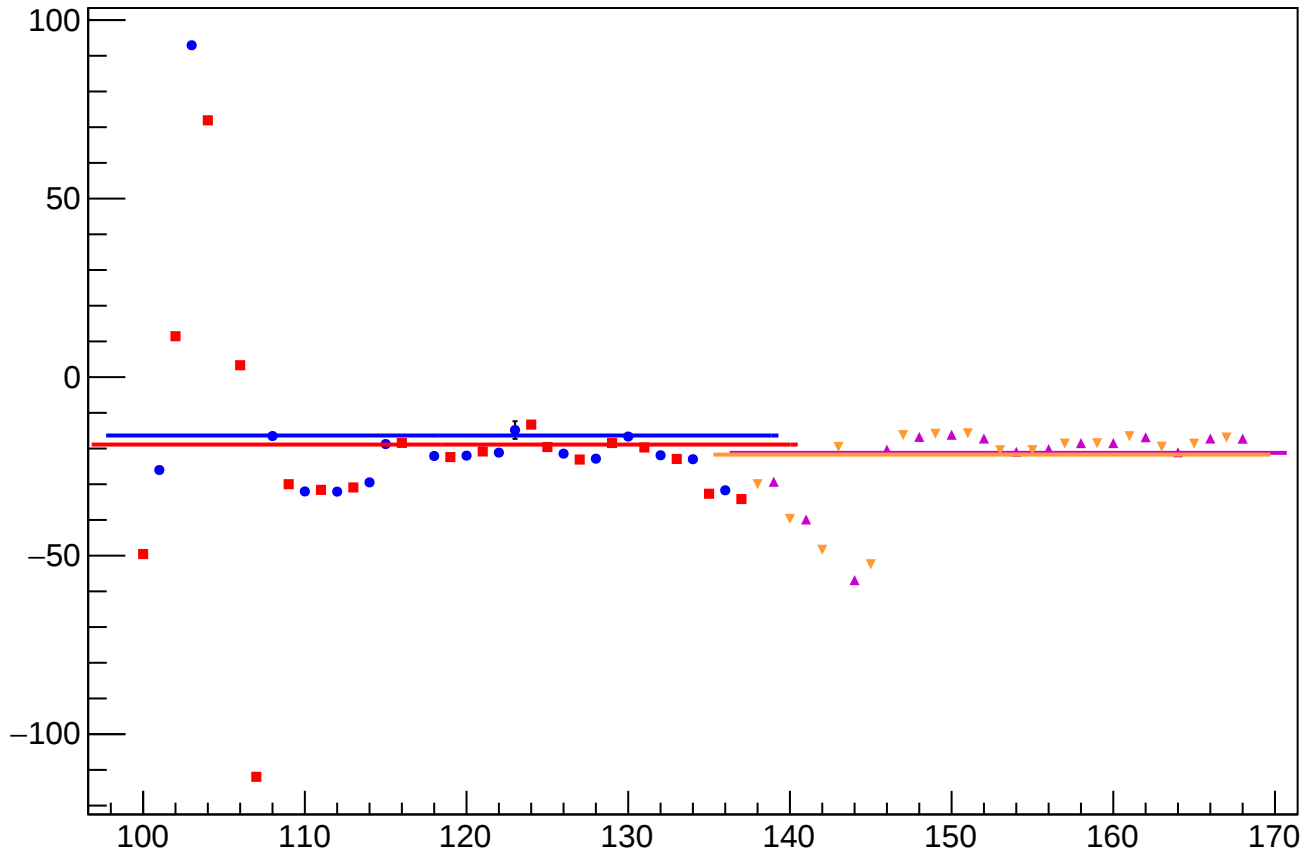
Left In: -13.160 ± 0.453 χ^2/NDF : 592.5/14

+ sign -18.784 ± 0.381 χ^2/NDF : 1637.8/32

All: -19.191 ± 0.271 χ^2/NDF : 3516.8/66

- sign -19.609 ± 0.386 χ^2/NDF : 1876.6/33

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -21.695 ± 0.021 $\chi^2/\text{NDF}: 188722.5/15$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

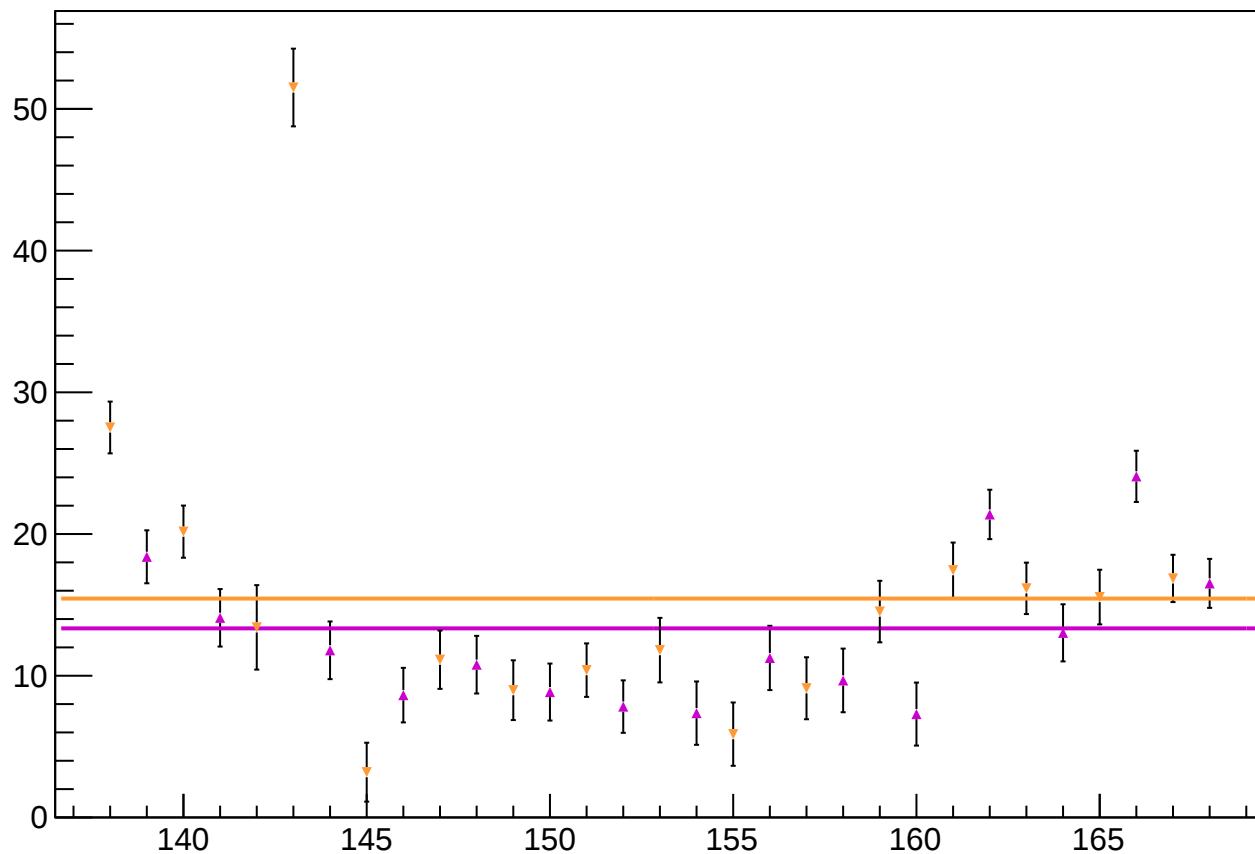
Left In: -21.210 ± 0.021 $\chi^2/\text{NDF}: 158494.9/14$

+ sign -20.738 ± 0.019 $\chi^2/\text{NDF}: 674689.7/32$

All: -20.772 ± 0.013 $\chi^2/\text{NDF}: 1269159.7/66$

- sign -20.807 ± 0.019 $\chi^2/\text{NDF}: 594463.5/33$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 15.446+/-0.512 χ^2/NDF : 310.9/15

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

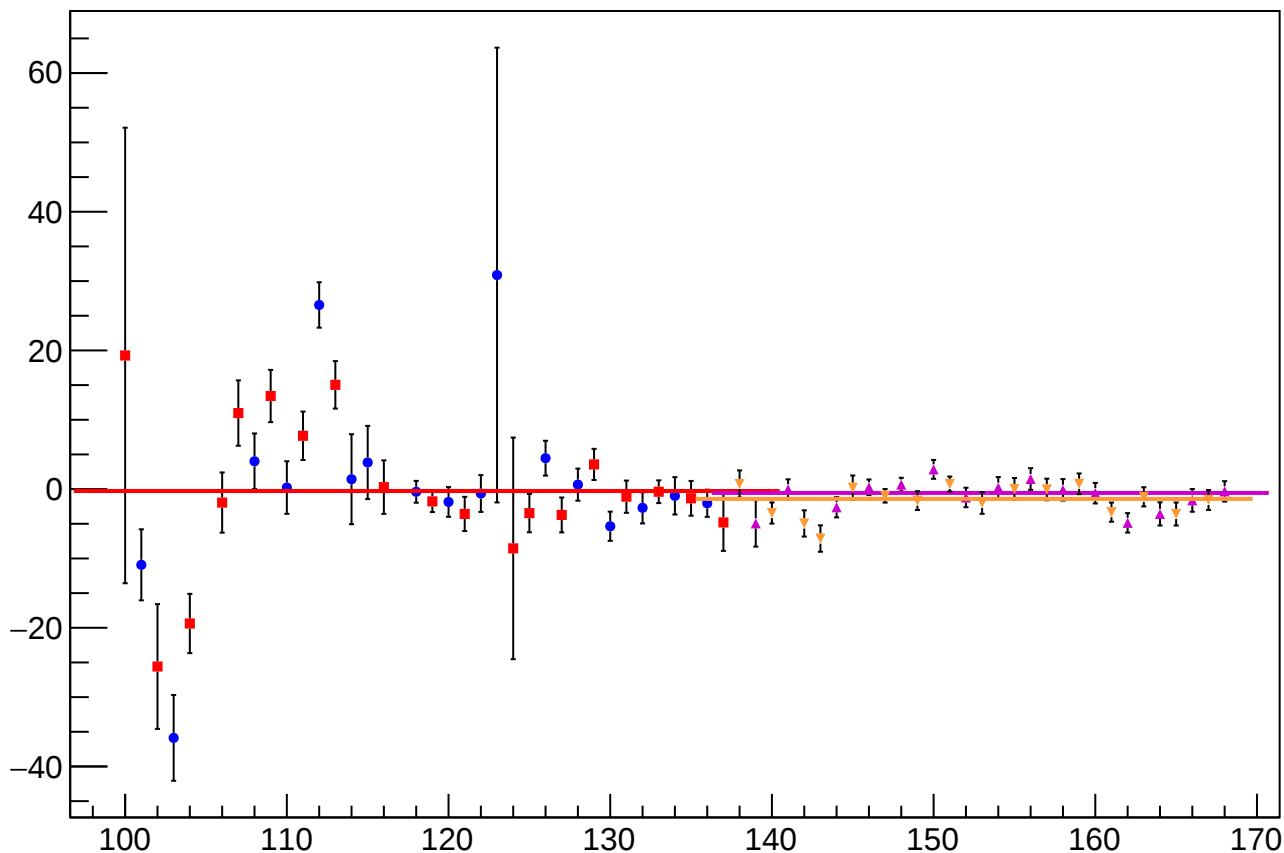
Left In: 13.342+/-0.511 χ^2/NDF : 107.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 14.393+/-0.361 χ^2/NDF : 426.8/30

- sign 0.000+/-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: -1.414 ± 0.363 χ^2/NDF : 28.1/15

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

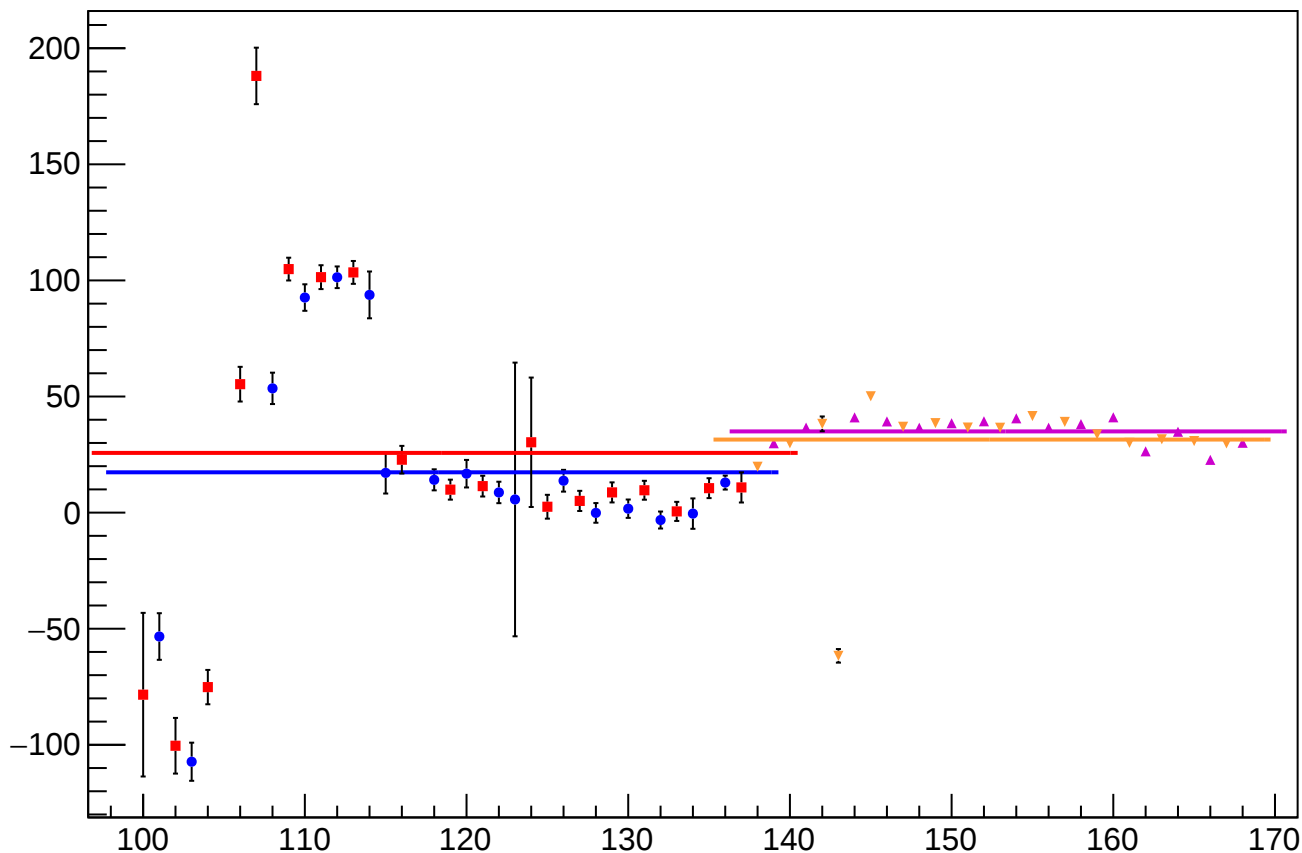
Left In: -0.554 ± 0.370 χ^2/NDF : 27.5/14

+ sign -1.152 ± 0.319 χ^2/NDF : 149.9/32

All: -0.823 ± 0.227 χ^2/NDF : 262.8/66

- sign -0.485 ± 0.323 χ^2/NDF : 110.8/33

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 31.462+/-0.503 χ^2/NDF : 1202.1/15

Right Out: 25.717+/-1.243 χ^2/NDF : 1378.8/18

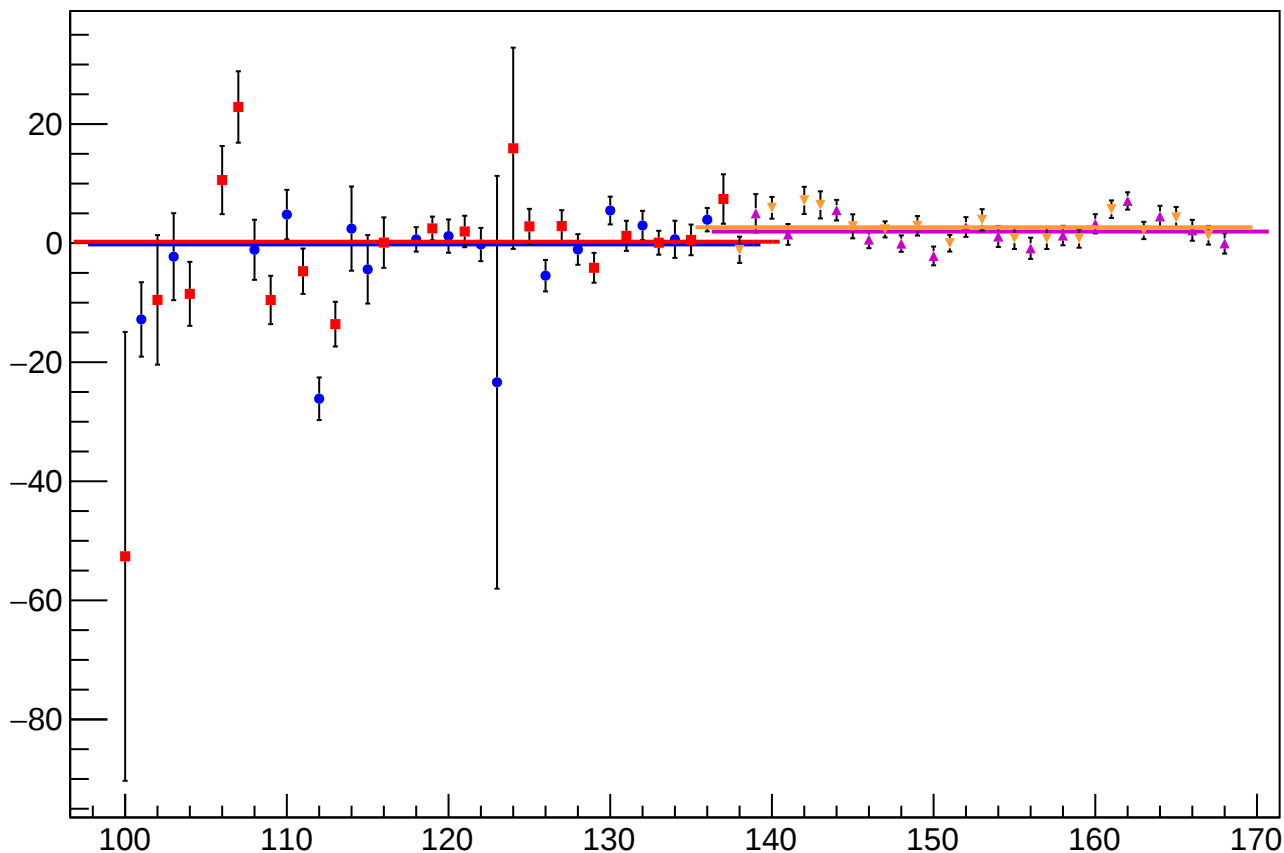
Left In: 34.975+/-0.500 χ^2/NDF : 127.5/14

+ sign 29.487+/-0.467 χ^2/NDF : 2255.1/32

All: 31.599+/-0.329 χ^2/NDF : 3849.9/66

- sign 33.686+/-0.464 χ^2/NDF : 1554.1/33

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.664 ± 0.424 χ^2/NDF : 26.5/15

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

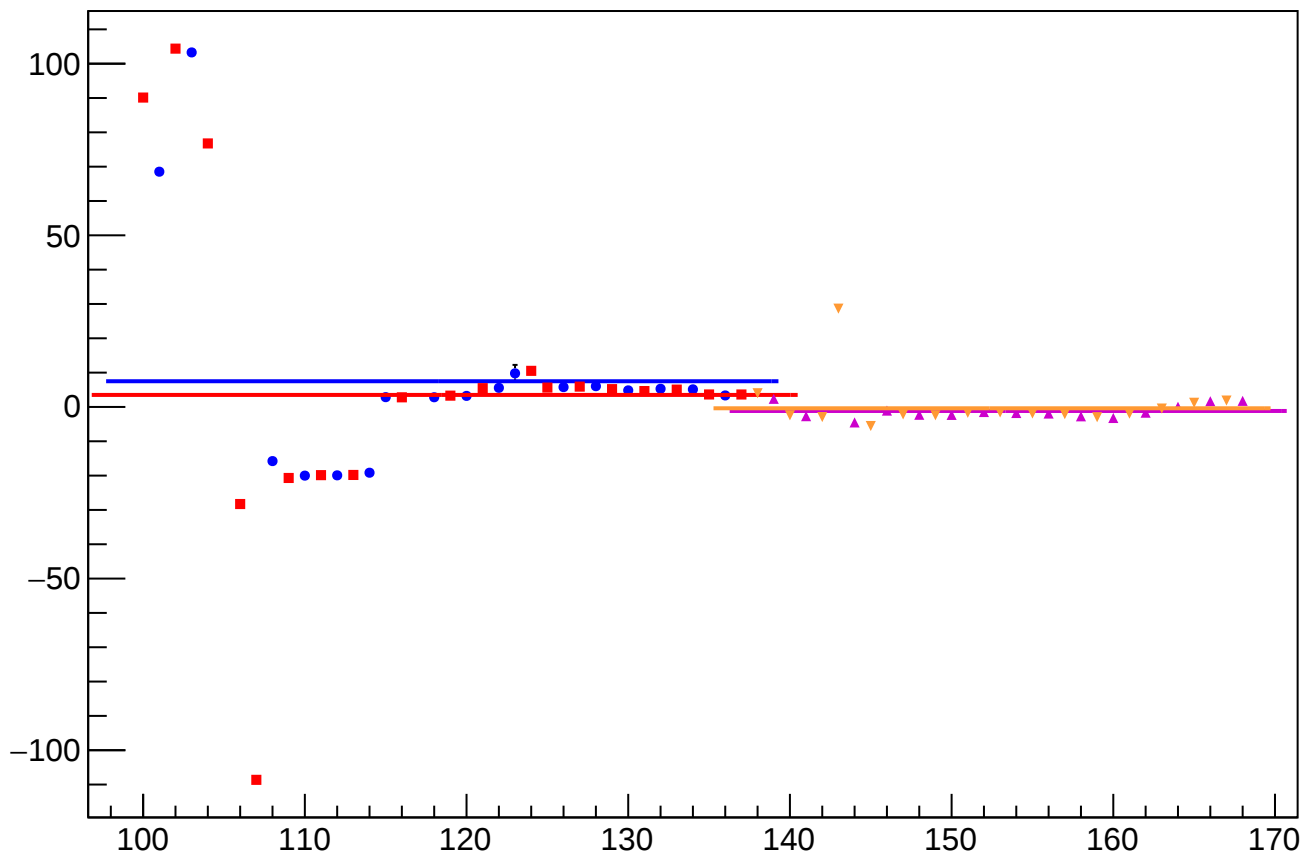
Left In: 1.942 ± 0.431 χ^2/NDF : 34.7/14

+ sign 1.971 ± 0.369 χ^2/NDF : 113.5/32

All: 1.747 ± 0.263 χ^2/NDF : 207.4/66

- sign 1.518 ± 0.374 χ^2/NDF : 93.1/33

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 $\pm$ 0.045 χ^2 /NDF: 355979.0/16

Left Out: -0.387 $\pm$ 0.020 χ^2 /NDF: 75167.1/15

Right Out: 3.504 $\pm$ 0.046 χ^2 /NDF: 510579.4/18

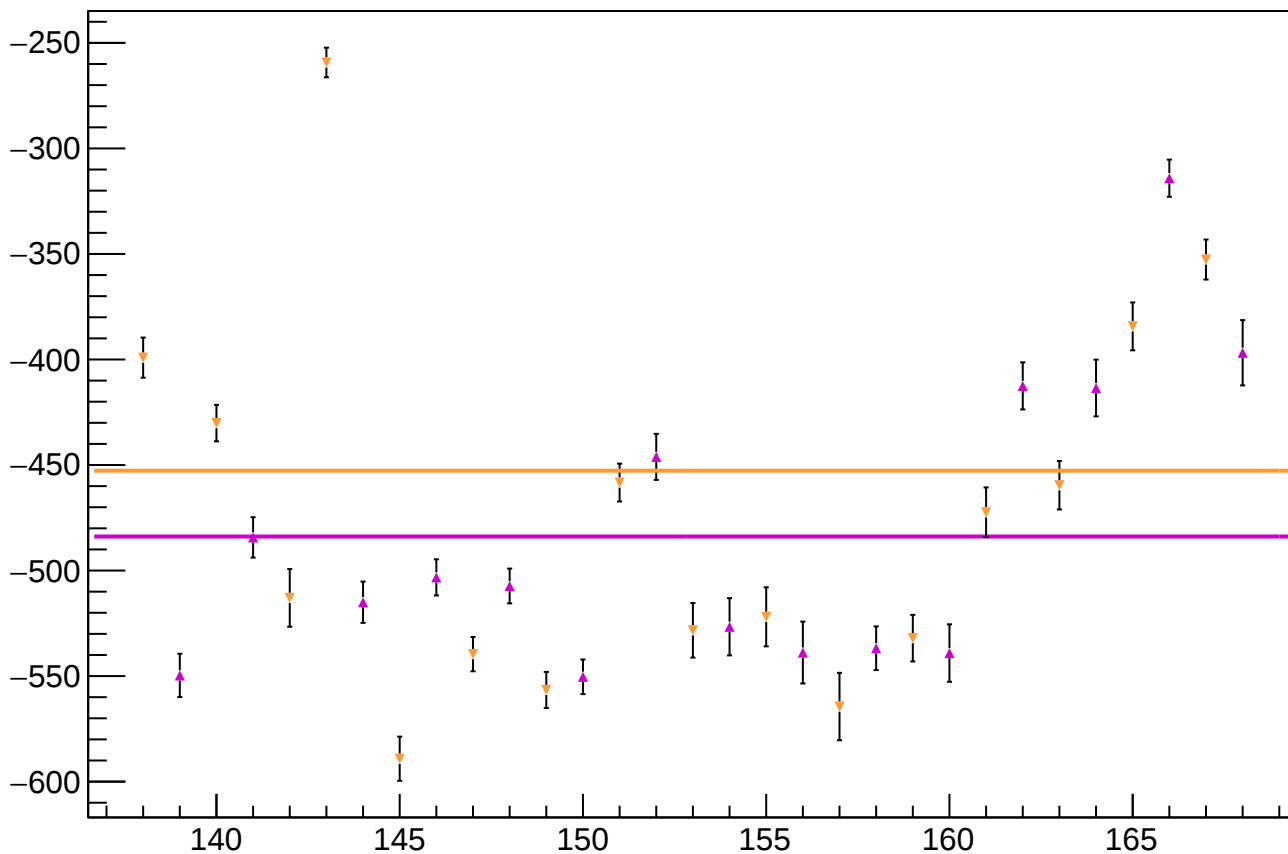
Left In: -1.171 $\pm$ 0.020 χ^2 /NDF: 9258.1/14

+ sign 0.904 $\pm$ 0.018 χ^2 /NDF: 457200.1/32

All: 0.231 $\pm$ 0.013 χ^2 /NDF: 988662.8/66

- sign -0.440 $\pm$ 0.018 χ^2 /NDF: 528692.3/33

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -452.684+/-2.520 χ^2/NDF :1560.2/15

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

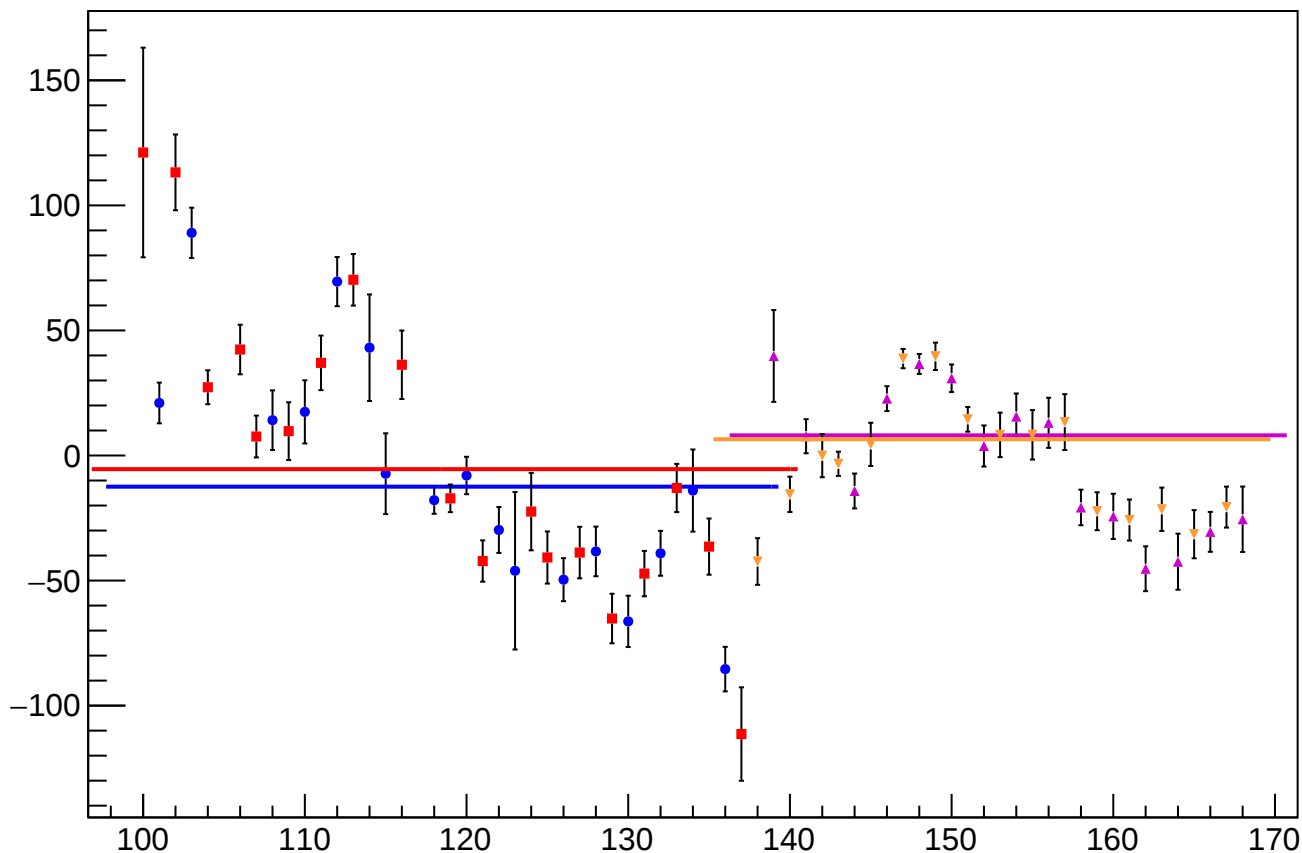
Left In: -483.876+/-2.693 χ^2/NDF :680.4/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -467.249+/-1.840 χ^2/NDF : 2312.1/30

- 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: 6.510 ± 1.702 χ^2/NDF : 218.8/15

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

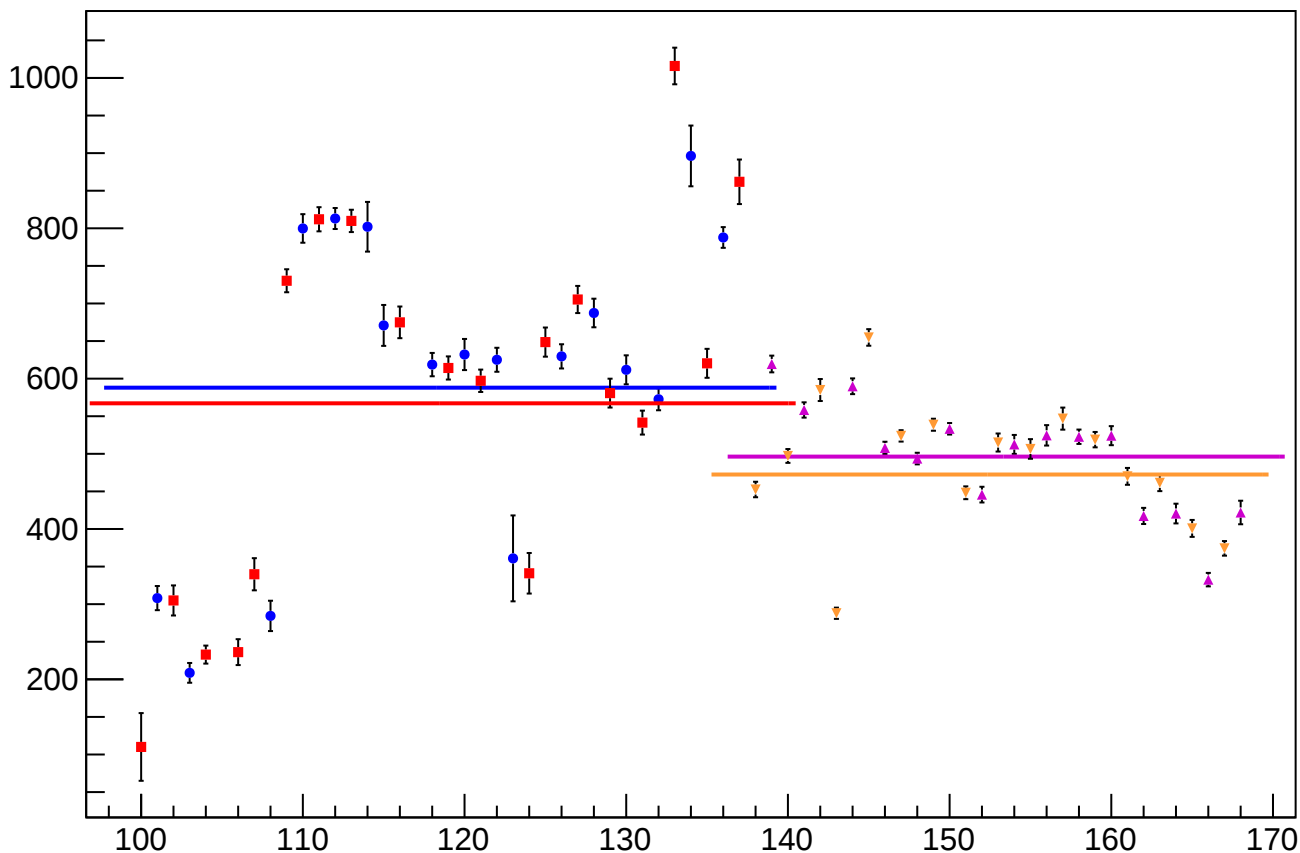
Left In: 8.062 ± 1.852 χ^2/NDF : 206.4/14

+ sign -0.020 ± 1.378 χ^2/NDF : 602.6/32

All: 1.253 ± 0.993 χ^2/NDF : 1177.2/66

- sign 2.628 ± 1.432 χ^2/NDF : 572.8/33

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 ± 4.353 $\chi^2/\text{NDF}: 2129.6/16$

Left Out: 472.463 ± 2.498 $\chi^2/\text{NDF}: 1282.9/15$

Right Out: 567.179 ± 4.136 $\chi^2/\text{NDF}: 2783.2/18$

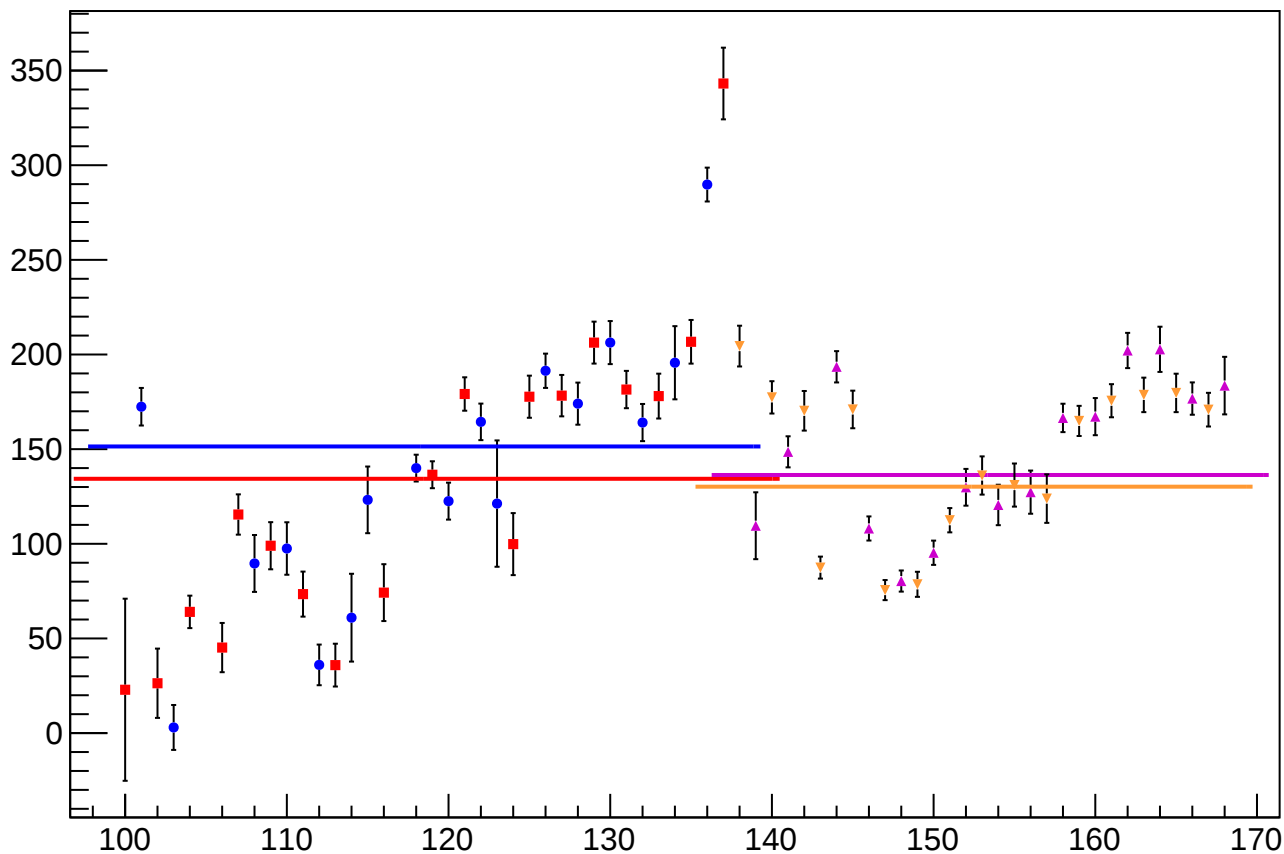
Left In: 496.287 ± 2.630 $\chi^2/\text{NDF}: 750.0/14$

+ sign 501.083 ± 2.166 $\chi^2/\text{NDF}: 3942.5/32$

All: 508.700 ± 1.550 $\chi^2/\text{NDF}: 7710.3/66$

- sign 516.693 ± 2.219 $\chi^2/\text{NDF}: 3742.4/33$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 130.177 $\pm$ 2.038 χ^2 /NDF: 457.8/15

Right Out: 134.346 $\pm$ 2.616 χ^2 /NDF: 584.9/18

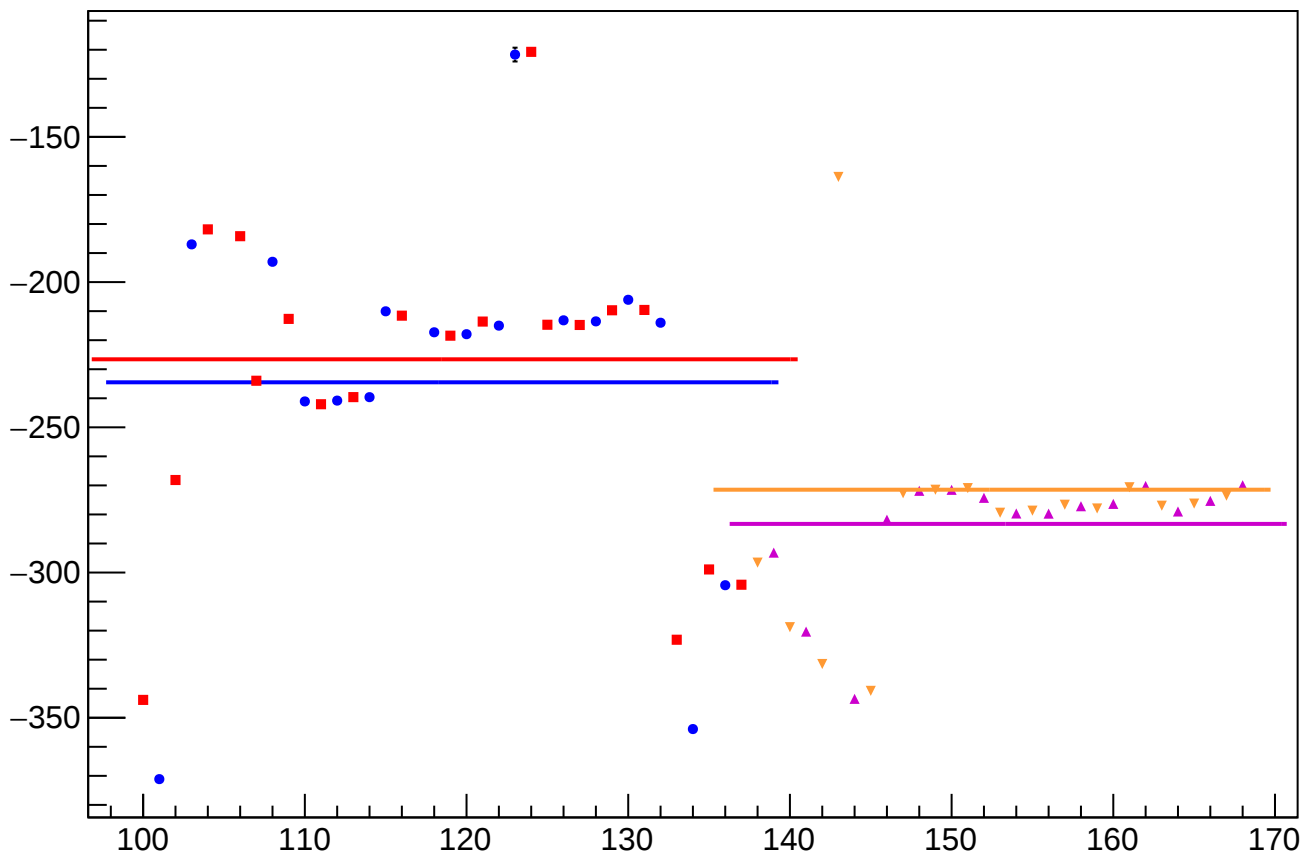
Left In: 136.352 $\pm$ 2.206 χ^2 /NDF: 355.9/14

+ sign 137.854 $\pm$ 1.629 χ^2 /NDF: 1130.4/32

All: 136.727 $\pm$ 1.171 χ^2 /NDF: 2072.4/66

- sign 135.518 $\pm$ 1.686 χ^2 /NDF: 941.1/33

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -271.479 ± 0.101 $\chi^2/\text{NDF}: 183011.7/15$

Right Out: -226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

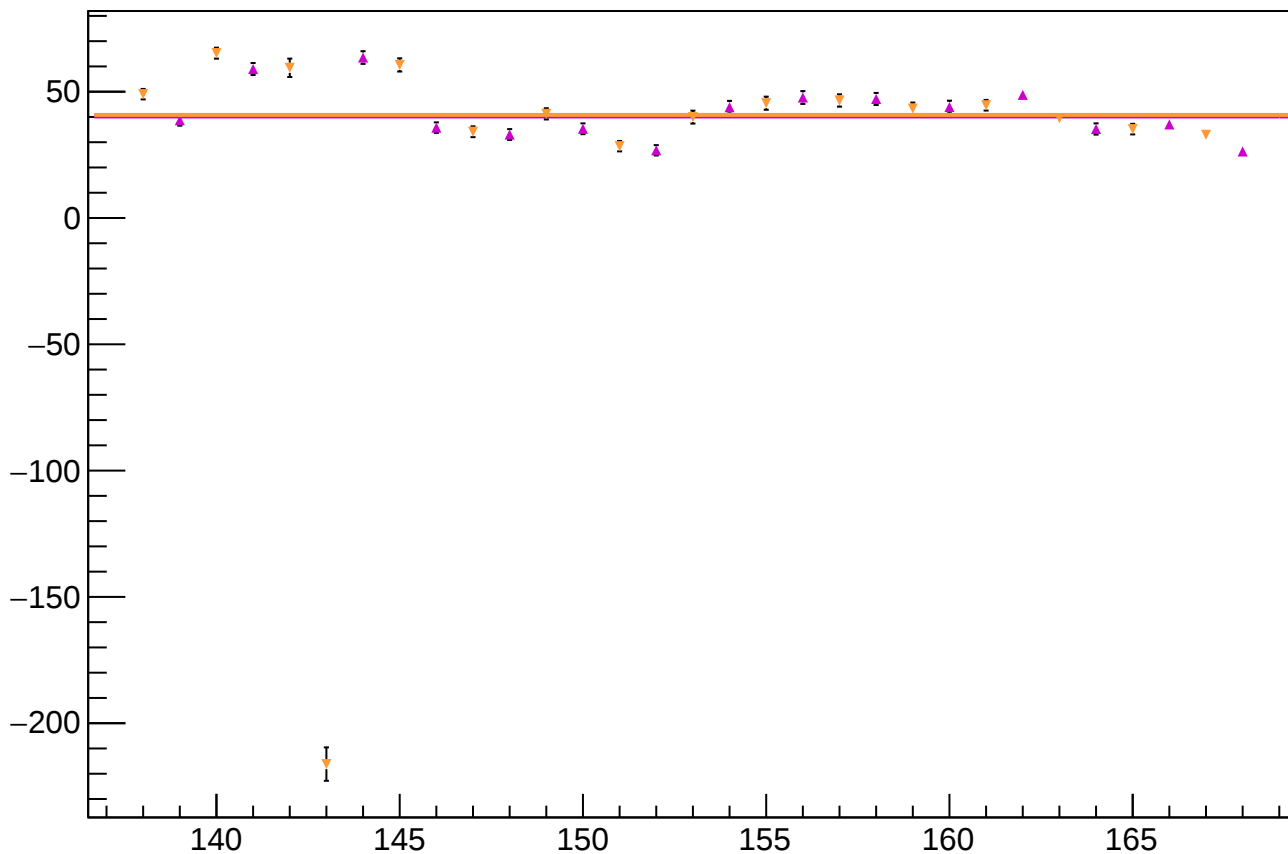
Left In: -283.254 ± 0.106 $\chi^2/\text{NDF}: 31577.3/14$

+ sign -259.879 ± 0.083 $\chi^2/\text{NDF}: 370312.2/32$

All: -261.393 ± 0.059 $\chi^2/\text{NDF}: 604597.9/66$

- sign -262.949 ± 0.085 $\chi^2/\text{NDF}: 233619.1/33$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 40.808+/-0.577 χ^2/NDF :1822.5/15

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

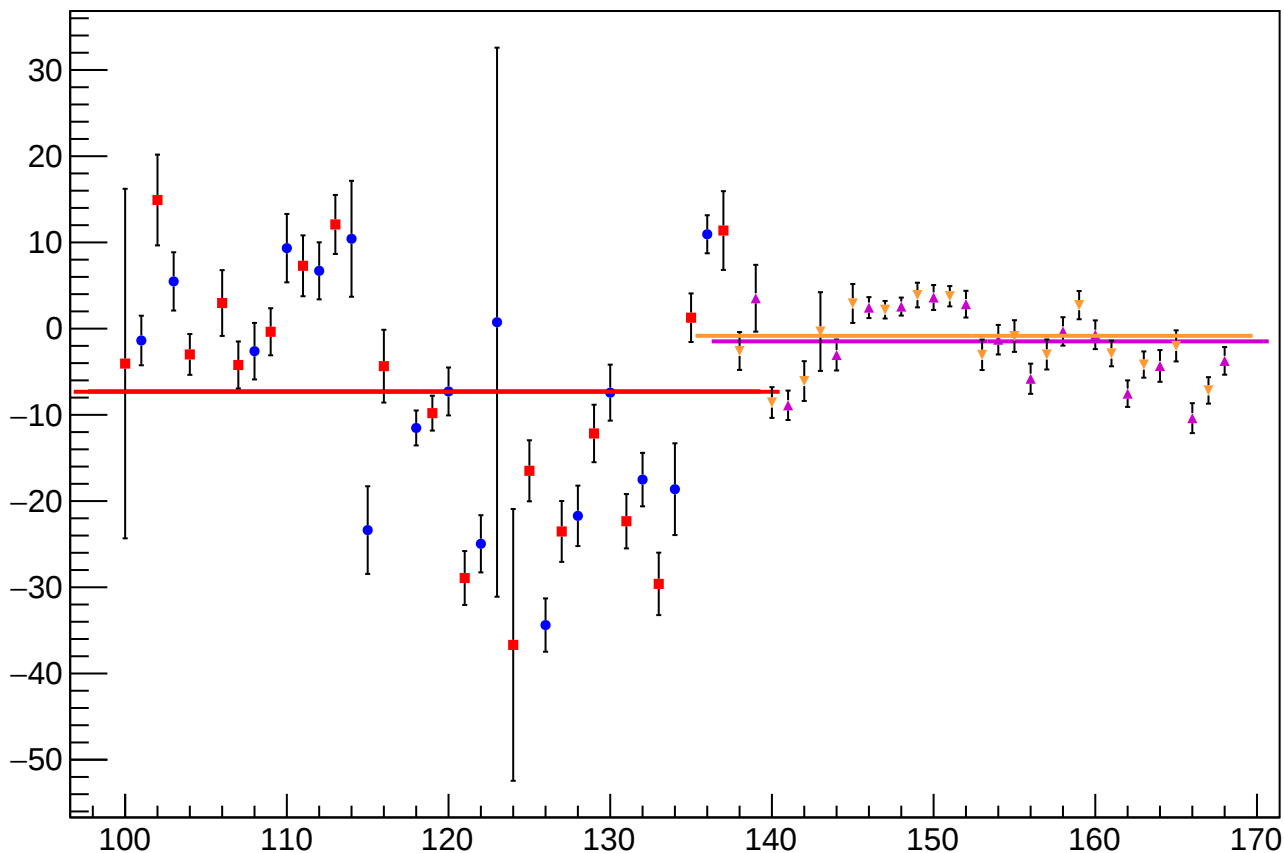
Left In: 40.198+/-0.565 χ^2/NDF :315.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 40.497+/-0.404 χ^2/NDF : 2138.3/30

- 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: -0.832 ± 0.406 χ^2/NDF : 94.3/15

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

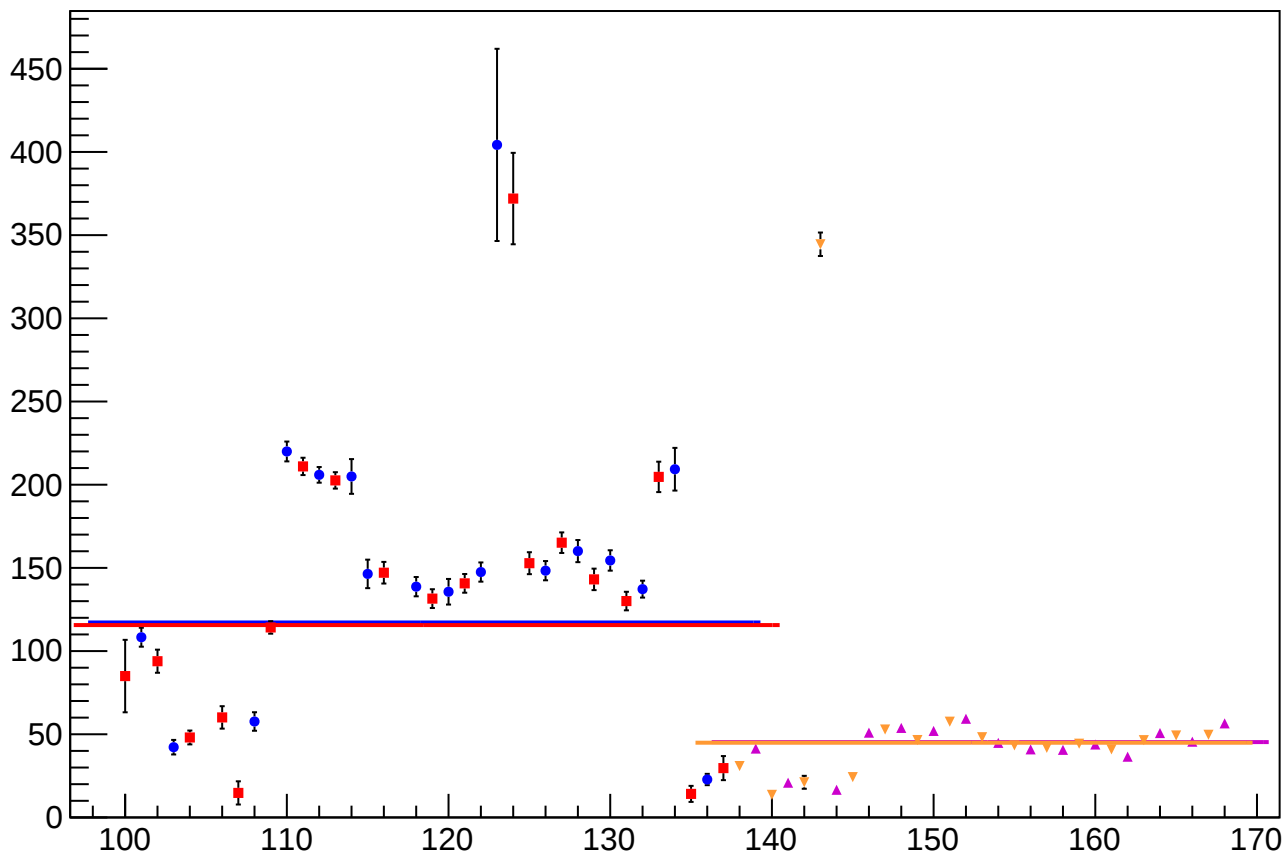
Left In: -1.478 ± 0.407 χ^2/NDF : 119.8/14

+ sign -2.185 ± 0.361 χ^2/NDF : 430.4/32

All: -2.484 ± 0.255 χ^2/NDF : 852.8/66

- sign -2.778 ± 0.359 χ^2/NDF : 421.0/33

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 ± 1.416 χ^2/NDF : 2161.0/16

Left Out: 44.932 ± 0.564 χ^2/NDF : 2197.3/15

Right Out: 115.632 ± 1.361 χ^2/NDF : 2137.6/18

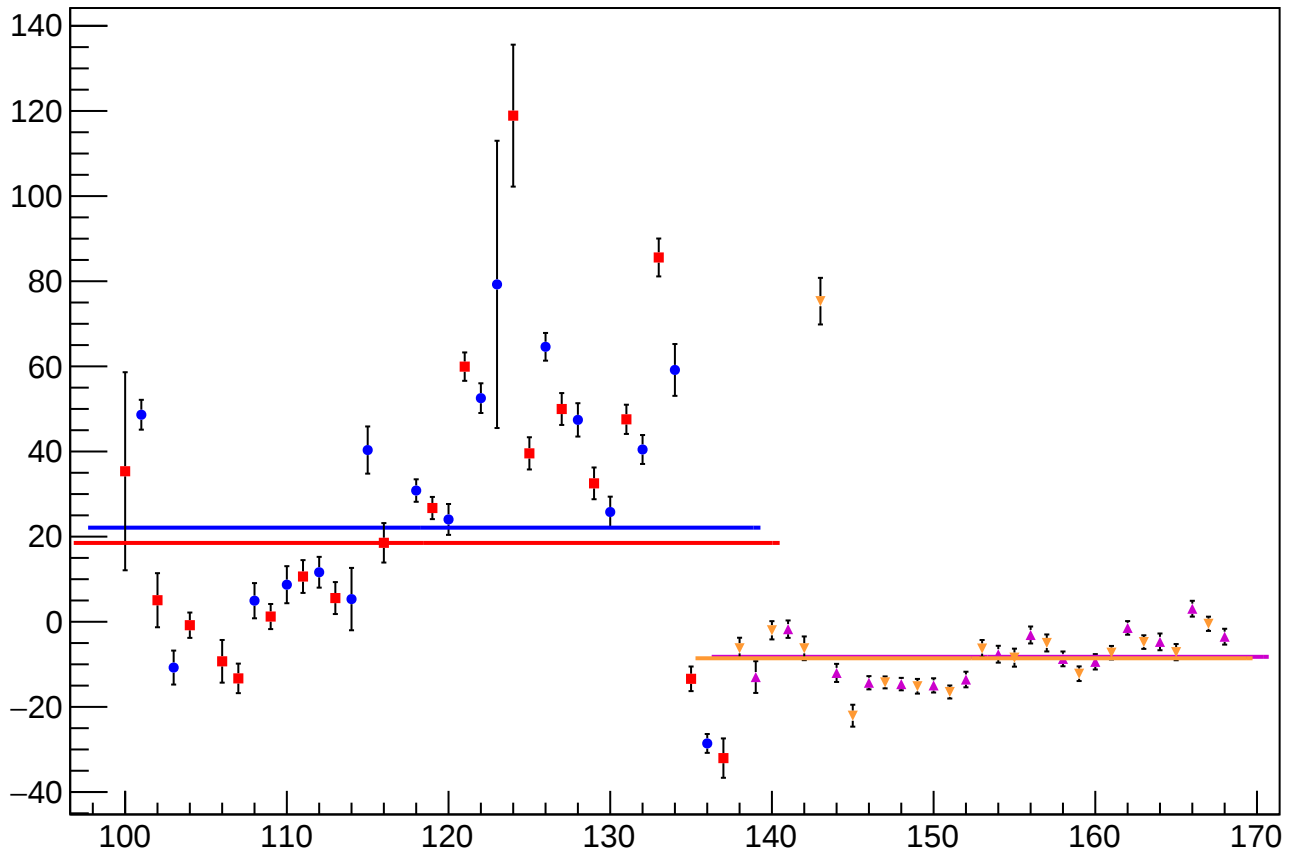
Left In: 45.298 ± 0.552 χ^2/NDF : 369.6/14

+ sign 54.834 ± 0.524 χ^2/NDF : 6604.1/32

All: 55.037 ± 0.366 χ^2/NDF : 11405.0/66

- sign 55.231 ± 0.511 χ^2/NDF : 4800.6/33

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 ± 0.898 $\chi^2/\text{NDF}: 1070.3/16$

Left Out: -8.578 ± 0.474 $\chi^2/\text{NDF}: 370.1/15$

Right Out: 18.521 ± 0.871 $\chi^2/\text{NDF}: 1068.6/18$

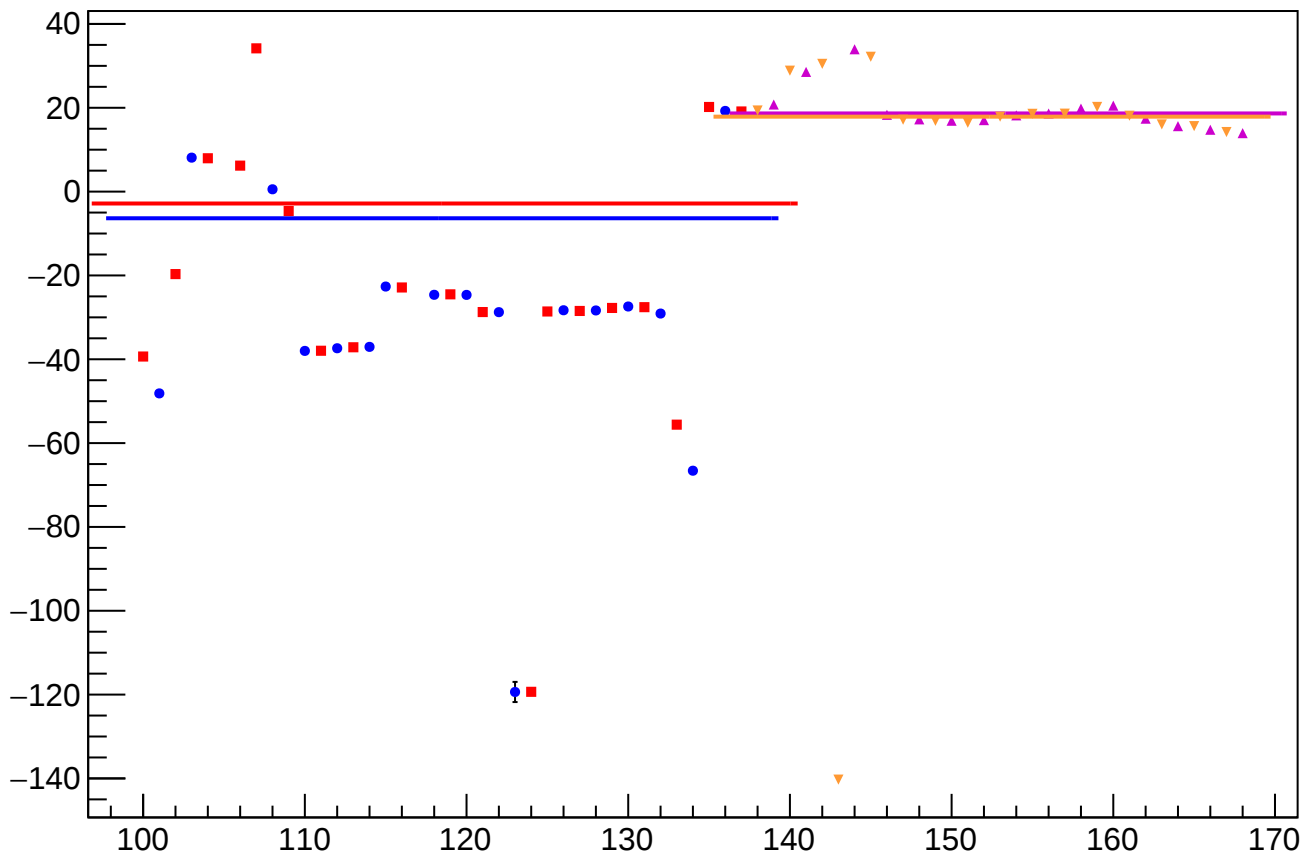
Left In: -8.234 ± 0.475 $\chi^2/\text{NDF}: 145.8/14$

+ sign -1.884 ± 0.419 $\chi^2/\text{NDF}: 2353.1/32$

All: -1.998 ± 0.296 $\chi^2/\text{NDF}: 4294.9/66$

- sign -2.110 ± 0.417 $\chi^2/\text{NDF}: 1941.6/33$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 17.881 ± 0.022 $\chi^2/\text{NDF}: 353834.3/15$

Right Out: -2.837 ± 0.046 $\chi^2/\text{NDF}: 265573.0/18$

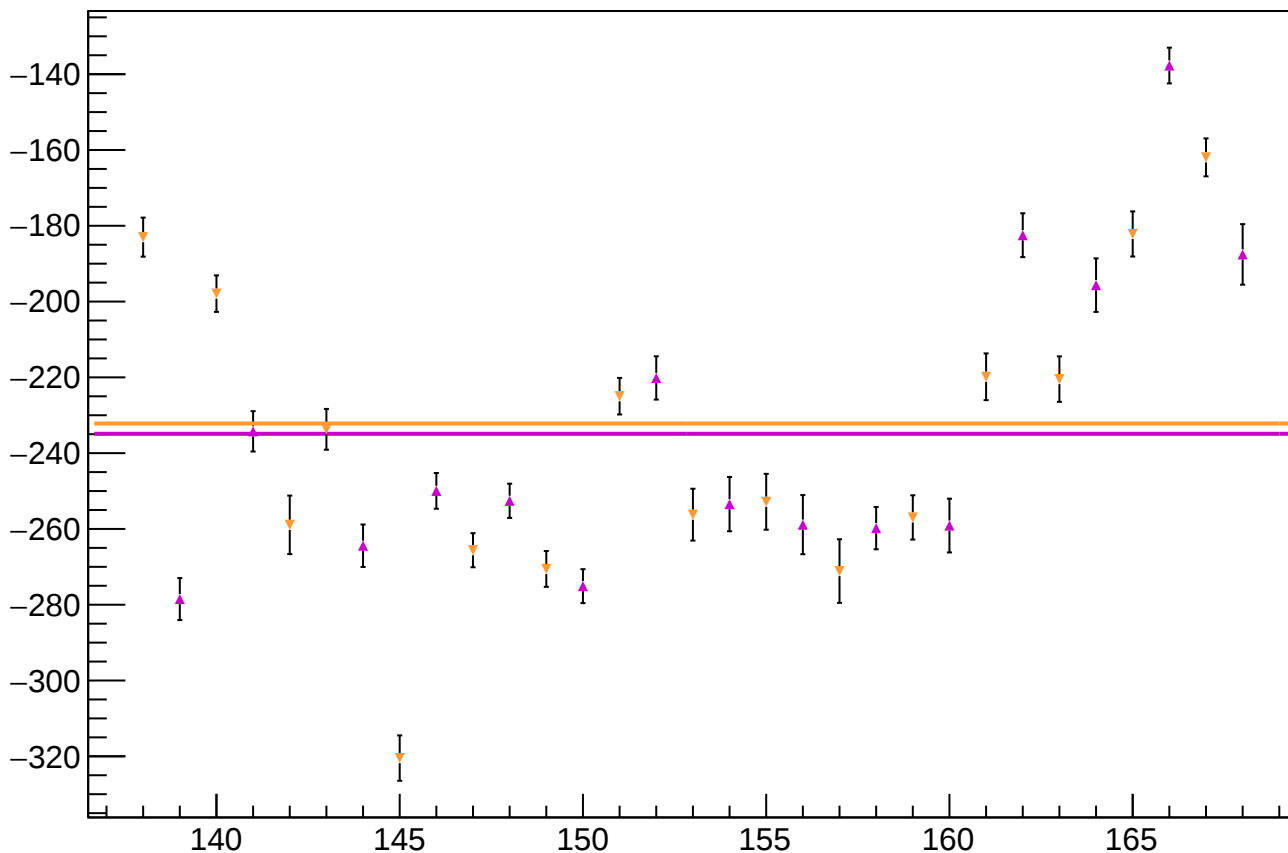
Left In: 18.649 ± 0.022 $\chi^2/\text{NDF}: 36566.2/14$

+ sign 13.344 ± 0.020 $\chi^2/\text{NDF}: 841266.3/32$

All: 14.032 ± 0.014 $\chi^2/\text{NDF}: 1325695.0/66$

- sign 14.692 ± 0.020 $\chi^2/\text{NDF}: 482117.2/33$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -232.181+/-1.410 χ^2/NDF : 829.8/15

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

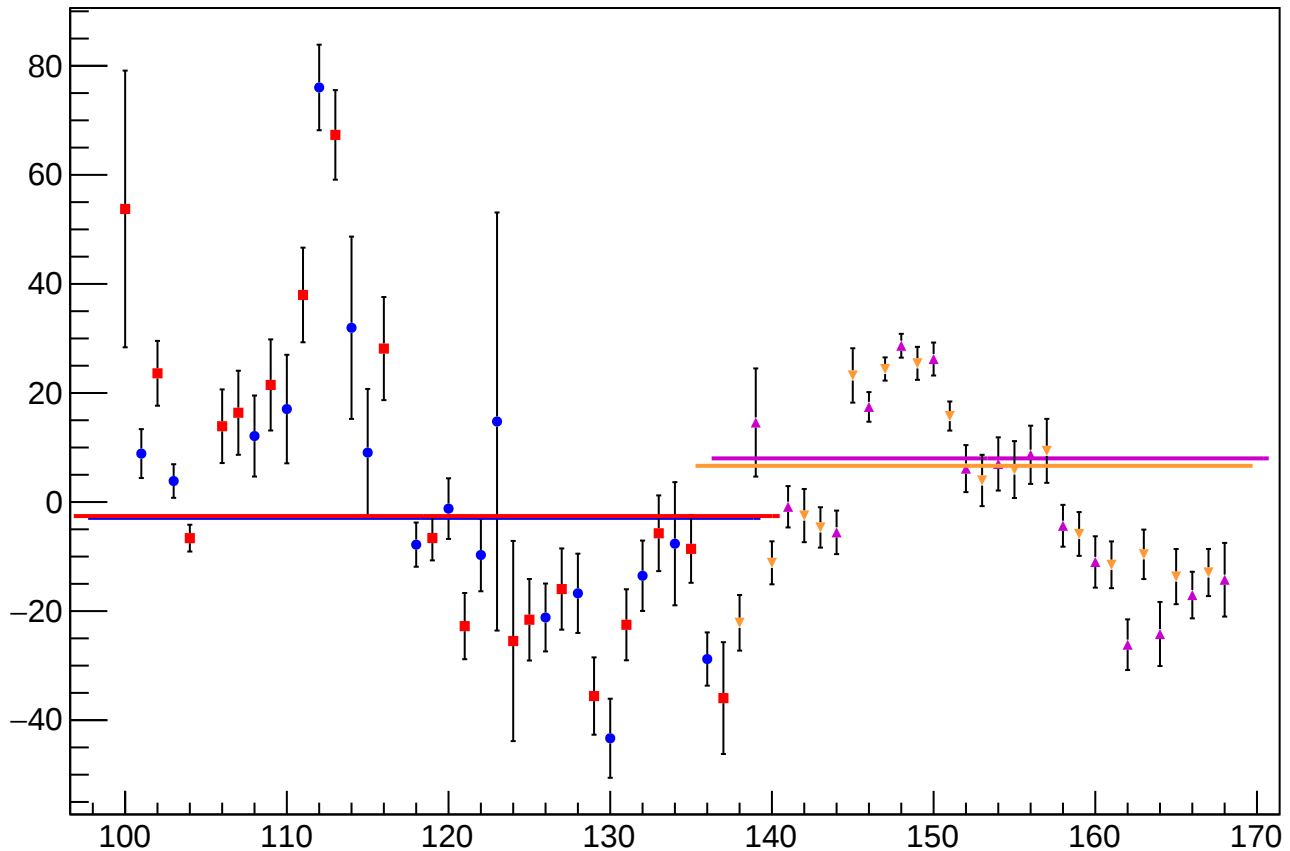
Left In: -234.889+/-1.455 χ^2/NDF : 823.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -233.493+/-1.013 χ^2/NDF : 1654.6/30

- 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: 6.644 ± 0.955 χ^2/NDF : 273.4/15

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

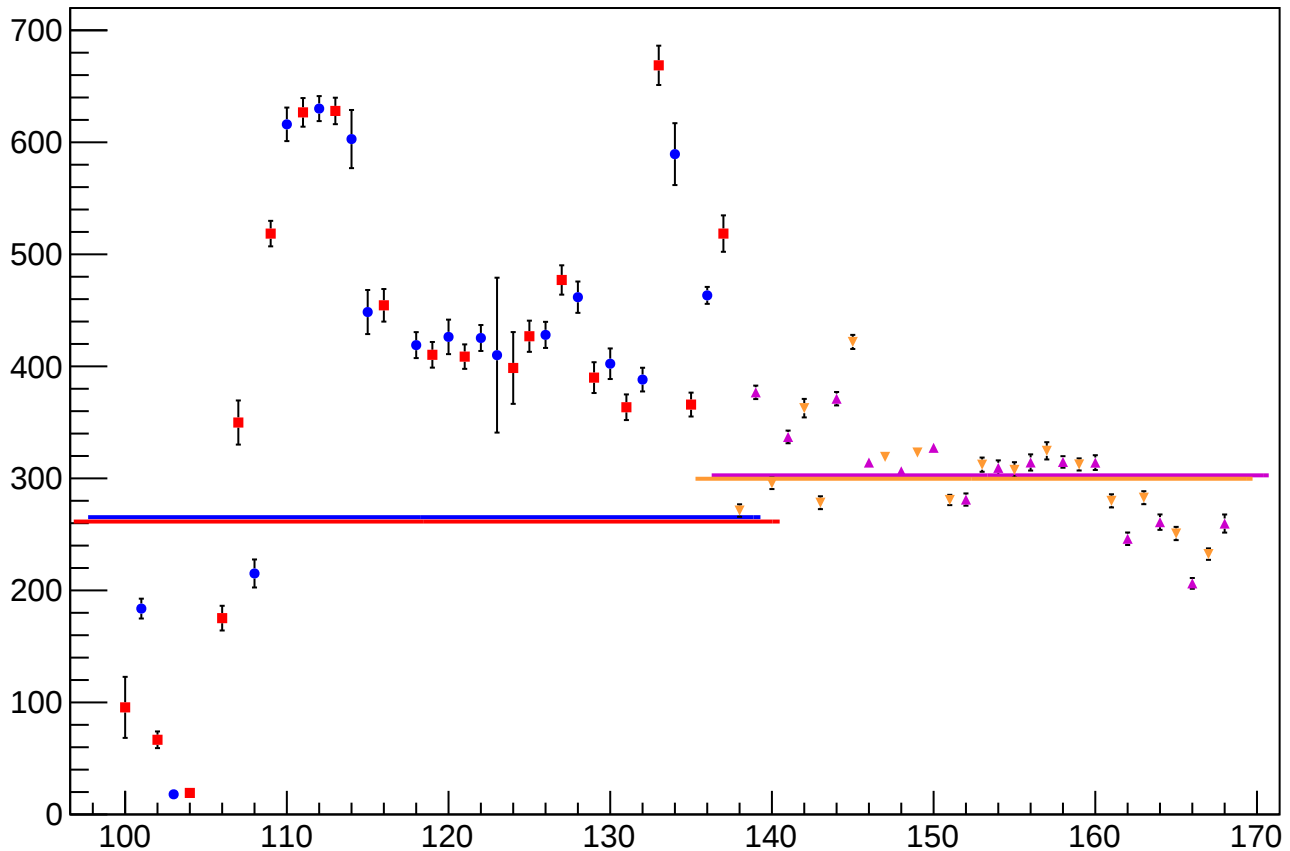
Left In: 8.007 ± 1.004 χ^2/NDF : 311.4/14

+ sign 3.803 ± 0.800 χ^2/NDF : 506.8/32

All: 4.098 ± 0.571 χ^2/NDF : 1074.4/66

- sign 4.403 ± 0.815 χ^2/NDF : 567.4/33

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 299.677 $\pm$ 1.390 χ^2 /NDF:823.6/15

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

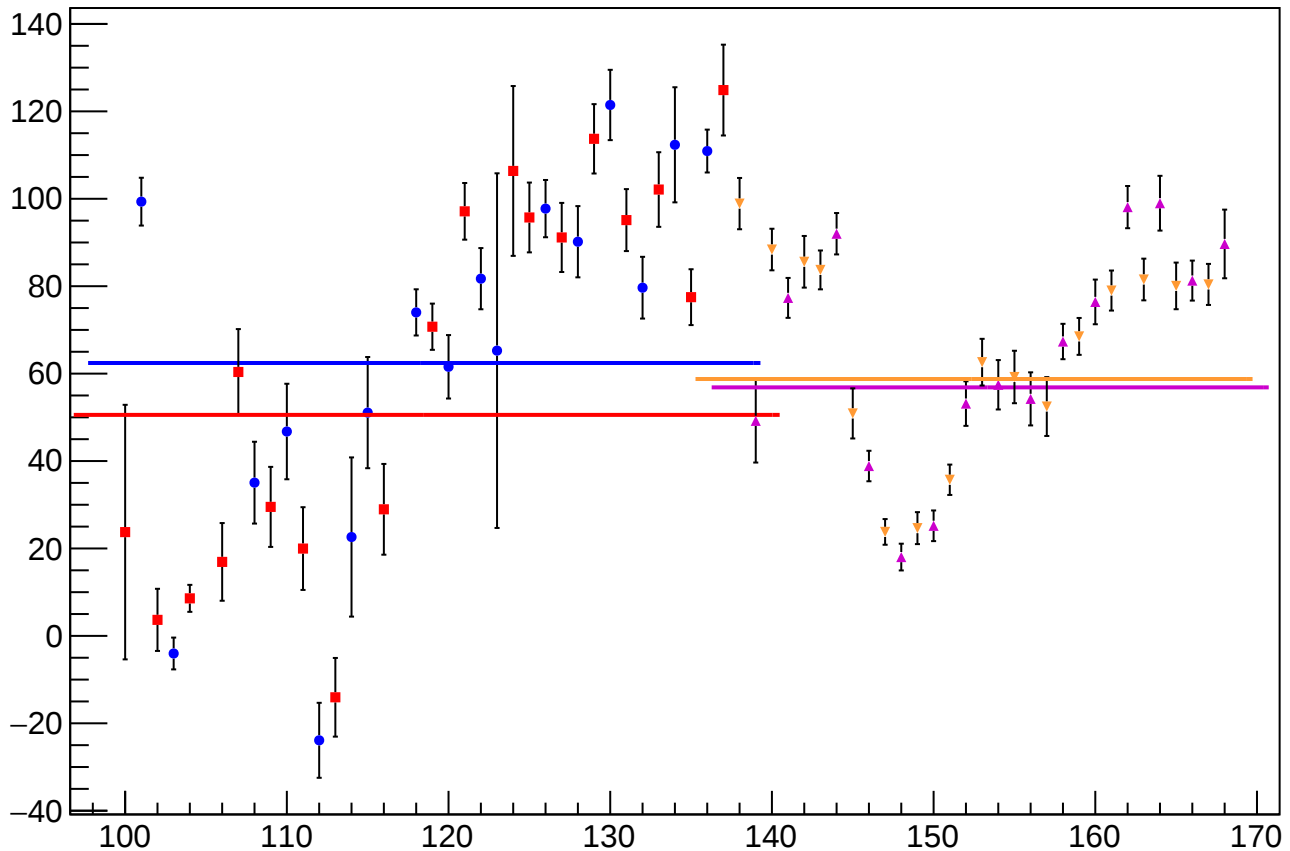
Left In: 302.711 $\pm$ 1.419 χ^2 /NDF:960.0/14

+ sign 291.520 $\pm$ 1.213 χ^2 /NDF: 8602.4/32

All: 291.953 $\pm$ 0.863 χ^2 /NDF: 17978.2/66

- sign 292.398 $\pm$ 1.229 χ^2 /NDF: 9375.5/33

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 58.769+/-1.140 χ^2/NDF : 498.6/15

Right Out: 50.560+/-1.642 χ^2/NDF : 657.4/18

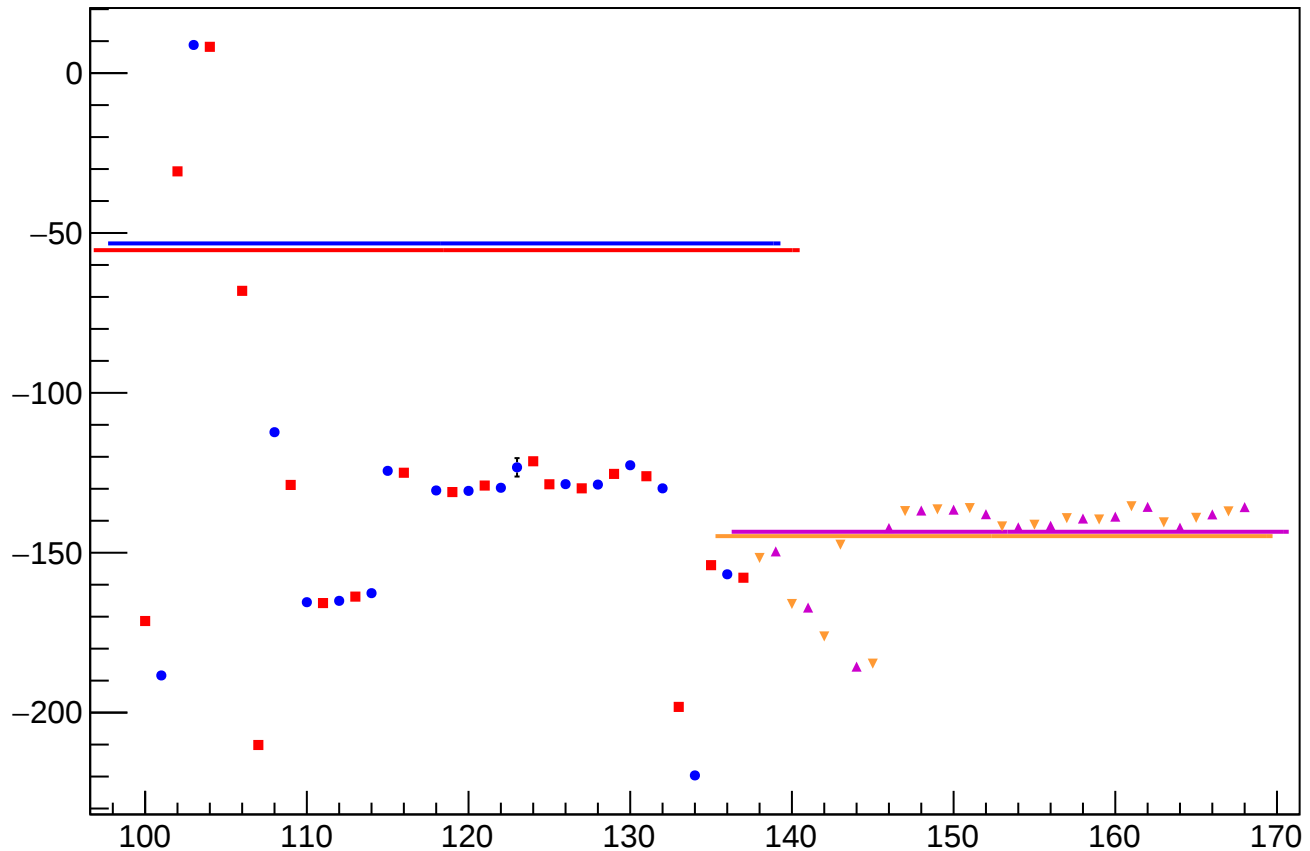
Left In: 56.853+/-1.193 χ^2/NDF : 531.2/14

+ sign 59.911+/-0.946 χ^2/NDF : 1223.6/32

All: 57.349+/-0.675 χ^2/NDF : 2436.8/66

- sign 54.679+/-0.965 χ^2/NDF : 1198.2/33

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 ± 0.070 χ^2/NDF : 1225492.9/16

Left Out: -144.811 ± 0.056 χ^2/NDF : 55819.5/15

Right Out: -55.373 ± 0.072 χ^2/NDF : 967027.2/18

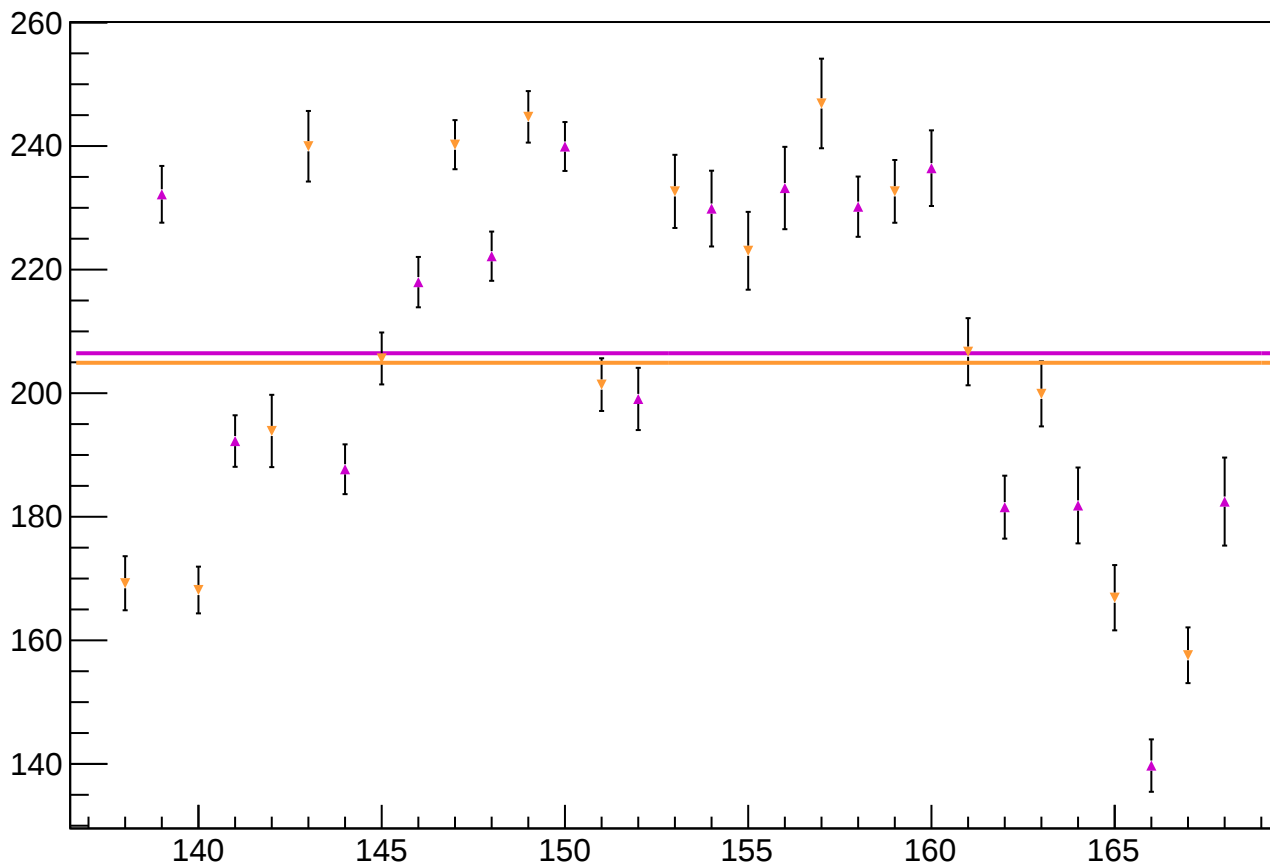
Left In: -143.443 ± 0.057 χ^2/NDF : 44410.6/14

+ sign -109.420 ± 0.044 χ^2/NDF : 2318243.3/32

All: -109.491 ± 0.031 χ^2/NDF : 4251620.0/66

- sign -109.565 ± 0.045 χ^2/NDF : 1933371.3/33

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 204.922+/-1.212 χ^2/NDF : 629.4/15

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

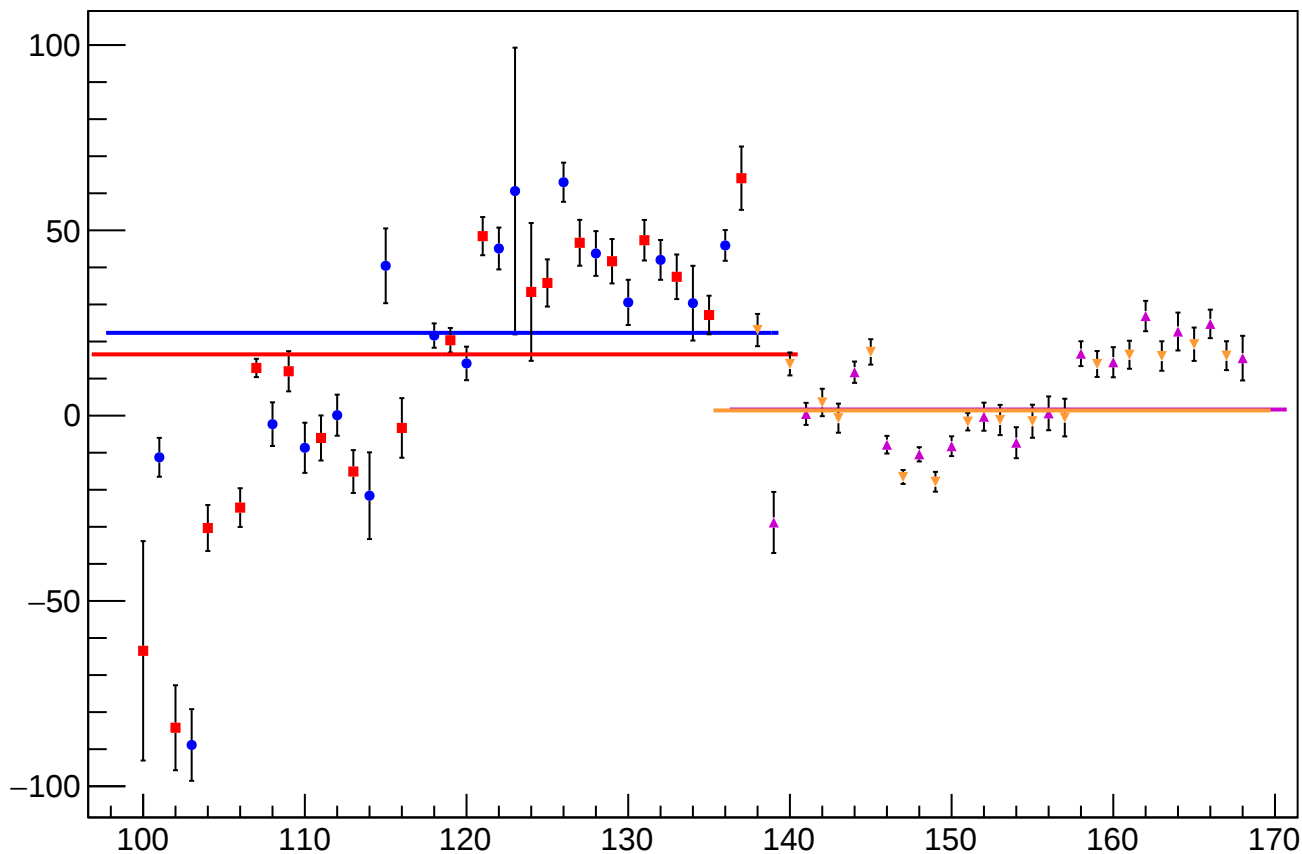
Left In: 206.465+/-1.239 χ^2/NDF : 538.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 205.676+/-0.867 χ^2/NDF : 1169.0/30

- 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: 1.406 ± 0.827 χ^2/NDF : 280.9/15

Right Out: 16.537 ± 1.227 χ^2/NDF : 426.6/18

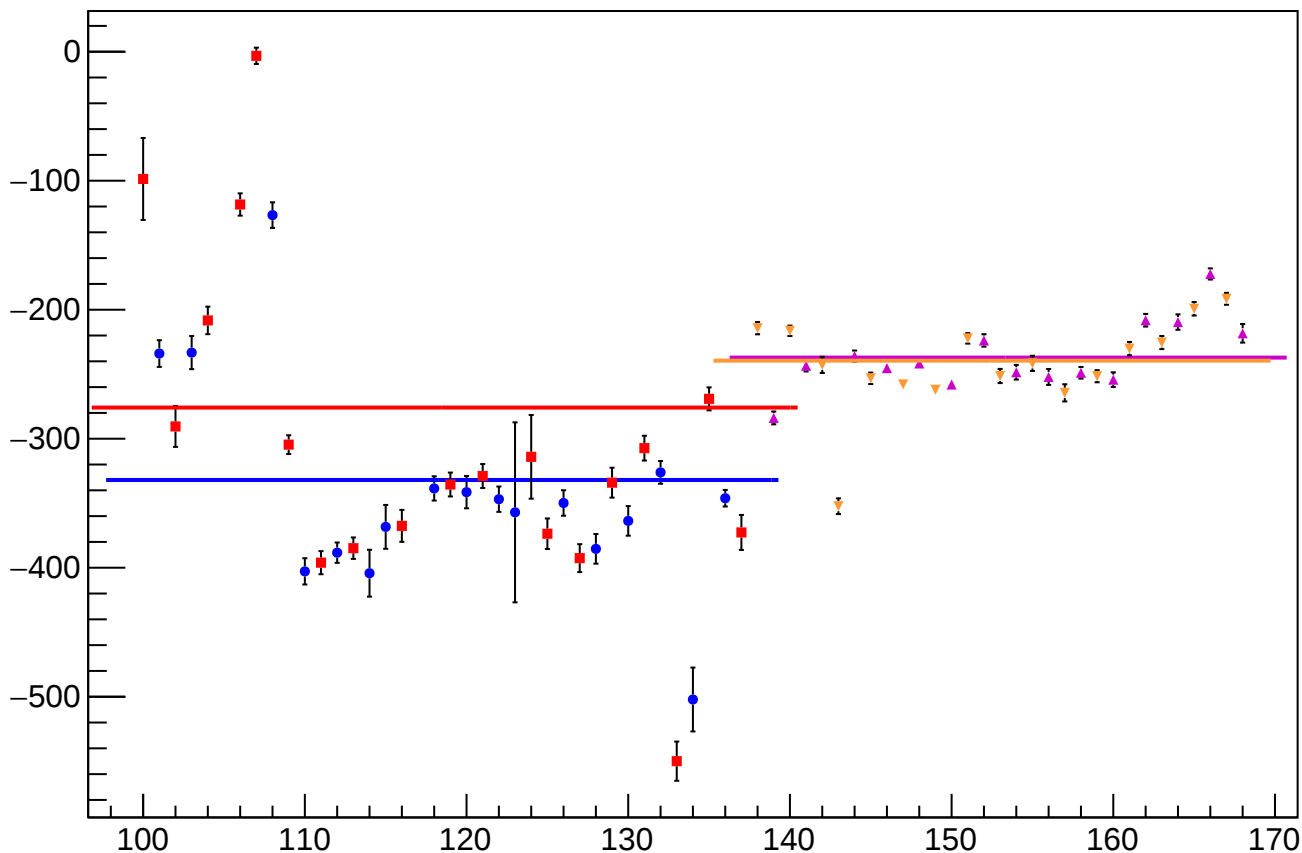
Left In: 1.652 ± 0.860 χ^2/NDF : 226.2/14

+ sign 6.850 ± 0.711 χ^2/NDF : 833.3/32

All: 6.701 ± 0.501 χ^2/NDF : 1584.8/66

- sign 6.556 ± 0.704 χ^2/NDF : 751.4/33

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 ± 2.580 χ^2/NDF : 785.0/16

Left Out: -239.488 ± 1.198 χ^2/NDF : 692.3/15

Right Out: -275.842 ± 2.325 χ^2/NDF : 3362.2/18

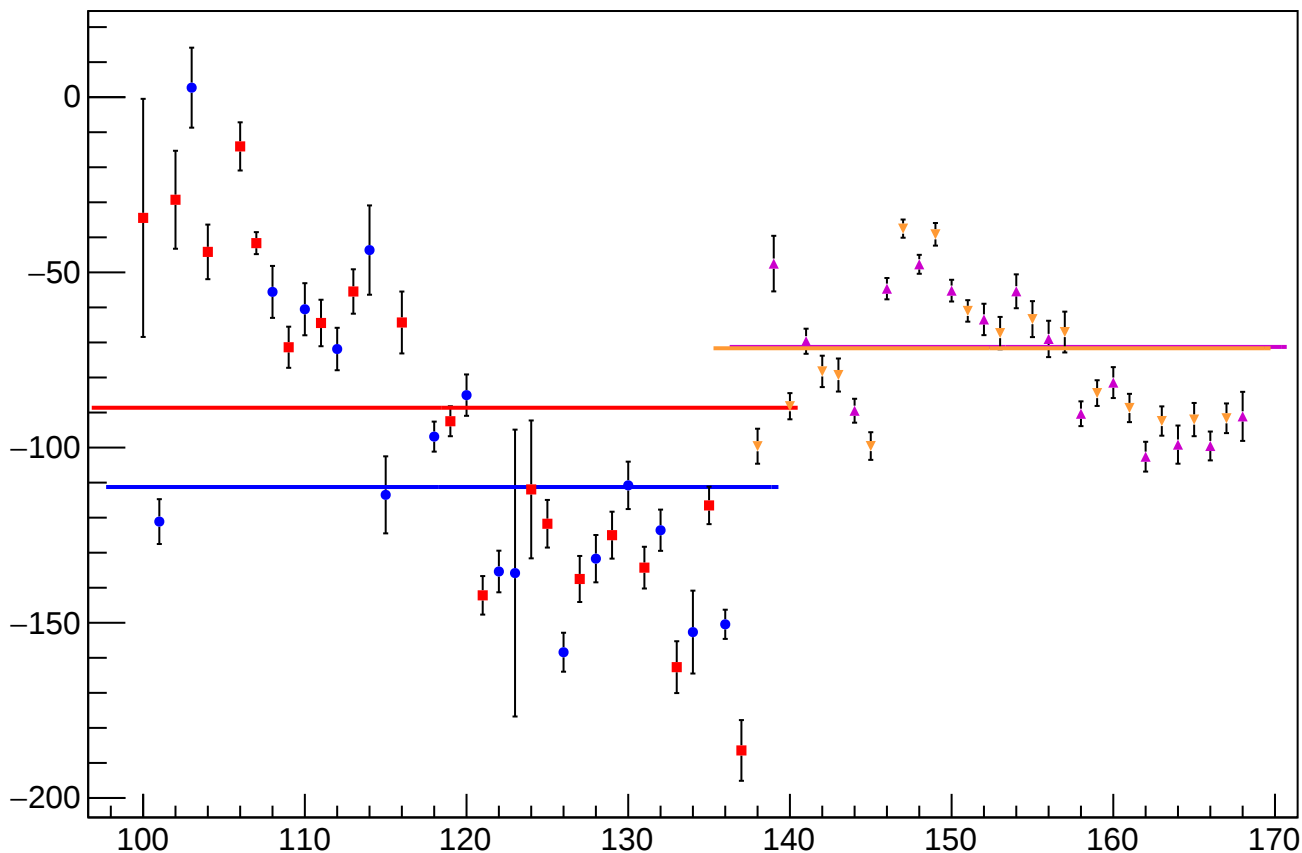
Left In: -237.119 ± 1.214 χ^2/NDF : 449.4/14

+ sign -255.894 ± 1.087 χ^2/NDF : 2534.5/32

All: -250.609 ± 0.765 χ^2/NDF : 6611.0/66

- sign -245.422 ± 1.076 χ^2/NDF : 4029.6/33

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -71.658 ± 0.986 χ^2/NDF : 491.4/15

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

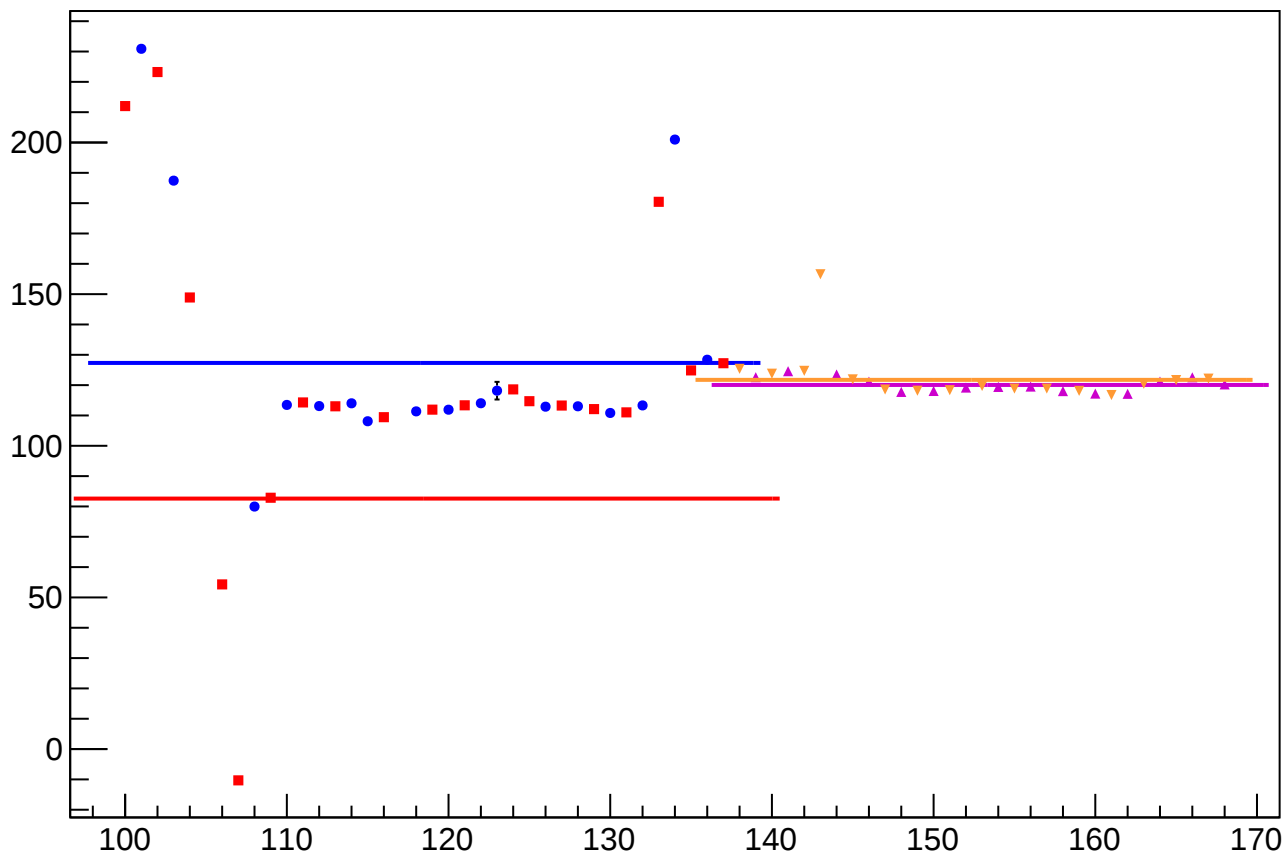
Left In: -71.274 ± 1.021 χ^2/NDF : 354.7/14

+ sign -82.586 ± 0.839 χ^2/NDF : 1446.1/32

All: -79.830 ± 0.591 χ^2/NDF : 2890.4/66

- sign -77.121 ± 0.832 χ^2/NDF : 1422.9/33

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 121.741+/-0.048 χ^2/NDF : 23678.0/15

Right Out: 82.595+/-0.075 χ^2/NDF : 765022.5/18

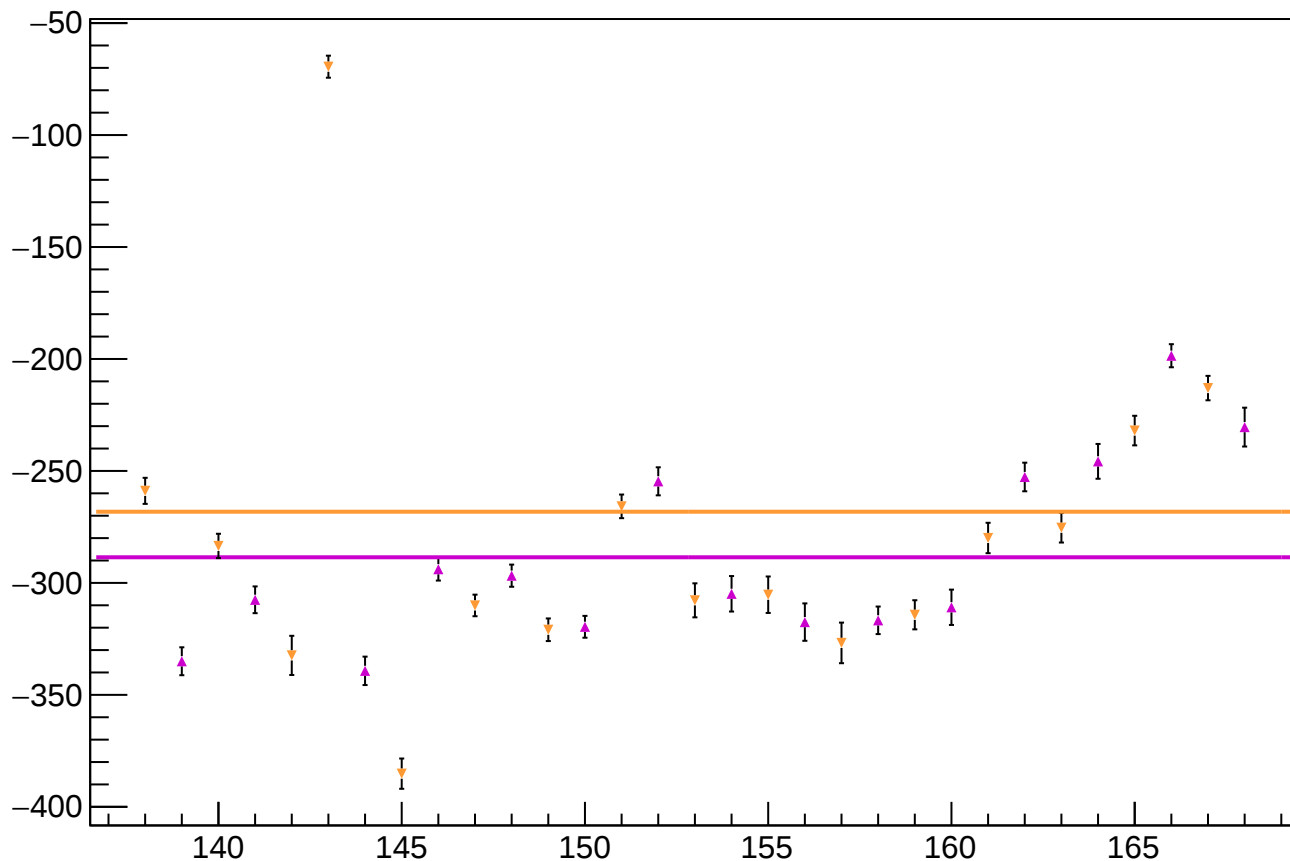
Left In: 120.061+/-0.049 χ^2/NDF : 2392.3/14

+ sign 122.995+/-0.042 χ^2/NDF : 214473.8/32

All: 115.763+/-0.029 χ^2/NDF : 1212425.1/66

- sign 109.034+/-0.041 χ^2/NDF : 941766.7/33

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -268.213+/-1.530 χ^2/NDF : 2453.8/15

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

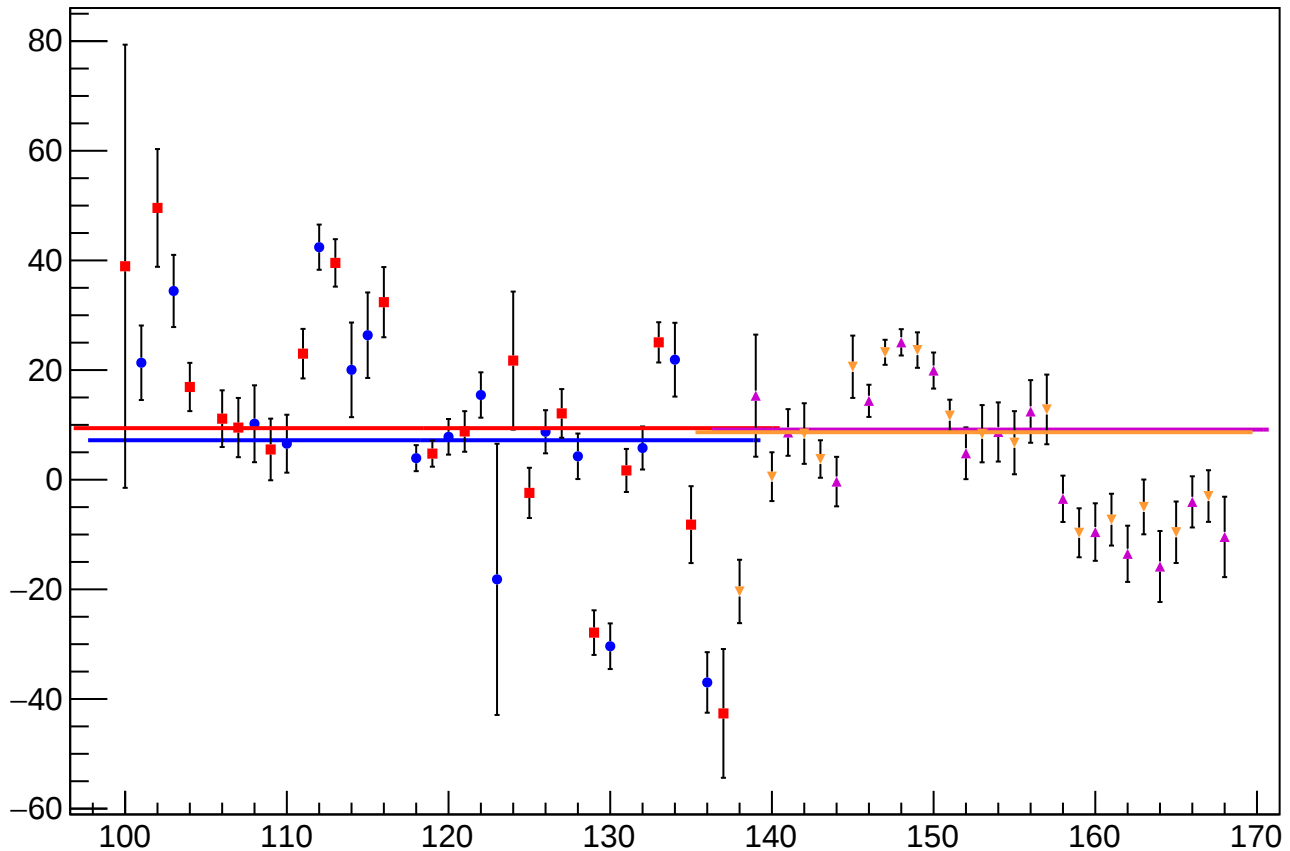
Left In: -288.557+/-1.600 χ^2/NDF : 660.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -277.931+/-1.106 χ^2/NDF : 3198.6/30

- 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: 8.665 ± 1.032 χ^2/NDF : 151.2/15

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

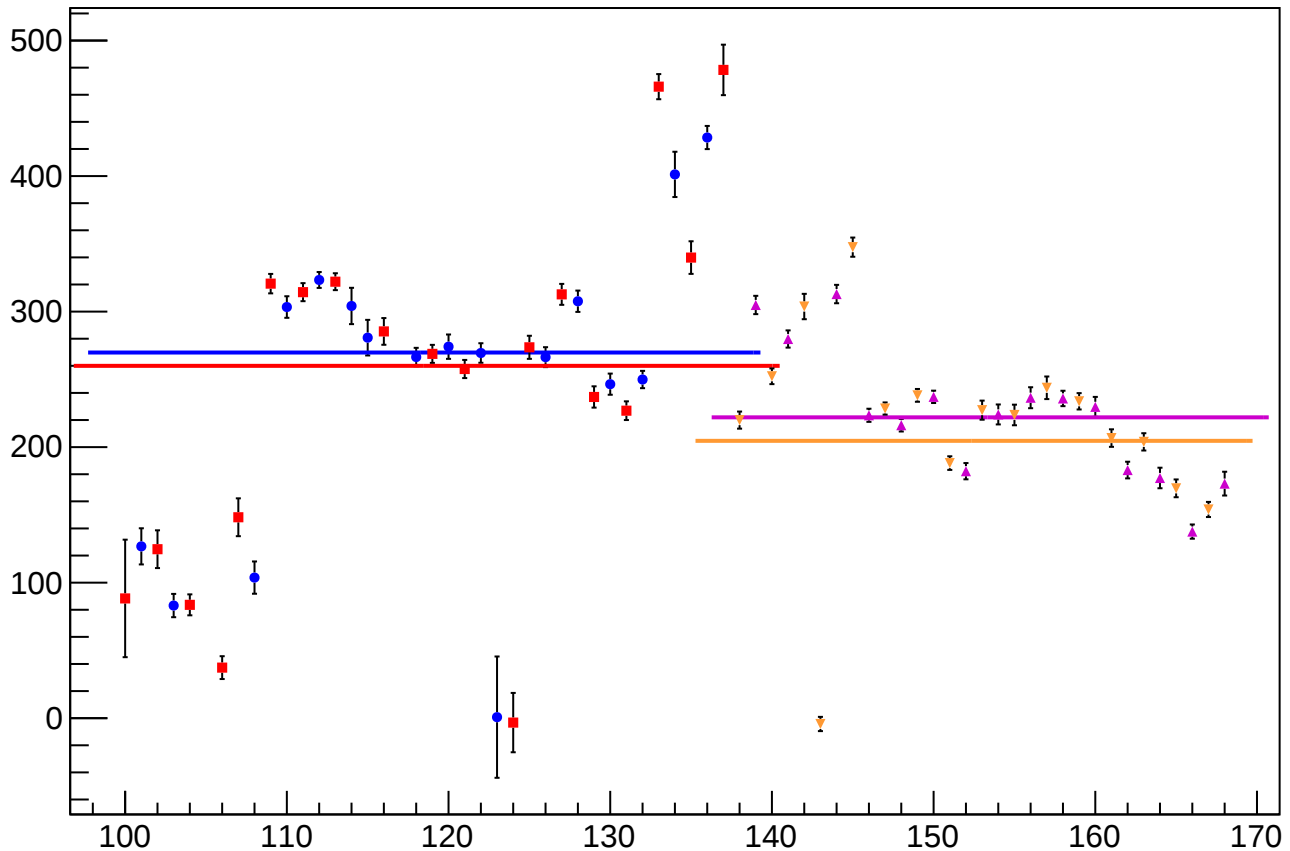
Left In: 9.144 ± 1.102 χ^2/NDF : 134.9/14

+ sign 7.981 ± 0.754 χ^2/NDF : 413.1/32

All: 8.616 ± 0.538 χ^2/NDF : 781.6/66

- sign 9.277 ± 0.768 χ^2/NDF : 367.1/33

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 ± 2.089 $\chi^2/\text{NDF}: 1374.1/16$

Left Out: 204.646 ± 1.508 $\chi^2/\text{NDF}: 2435.3/15$

Right Out: 259.980 ± 1.977 $\chi^2/\text{NDF}: 2538.6/18$

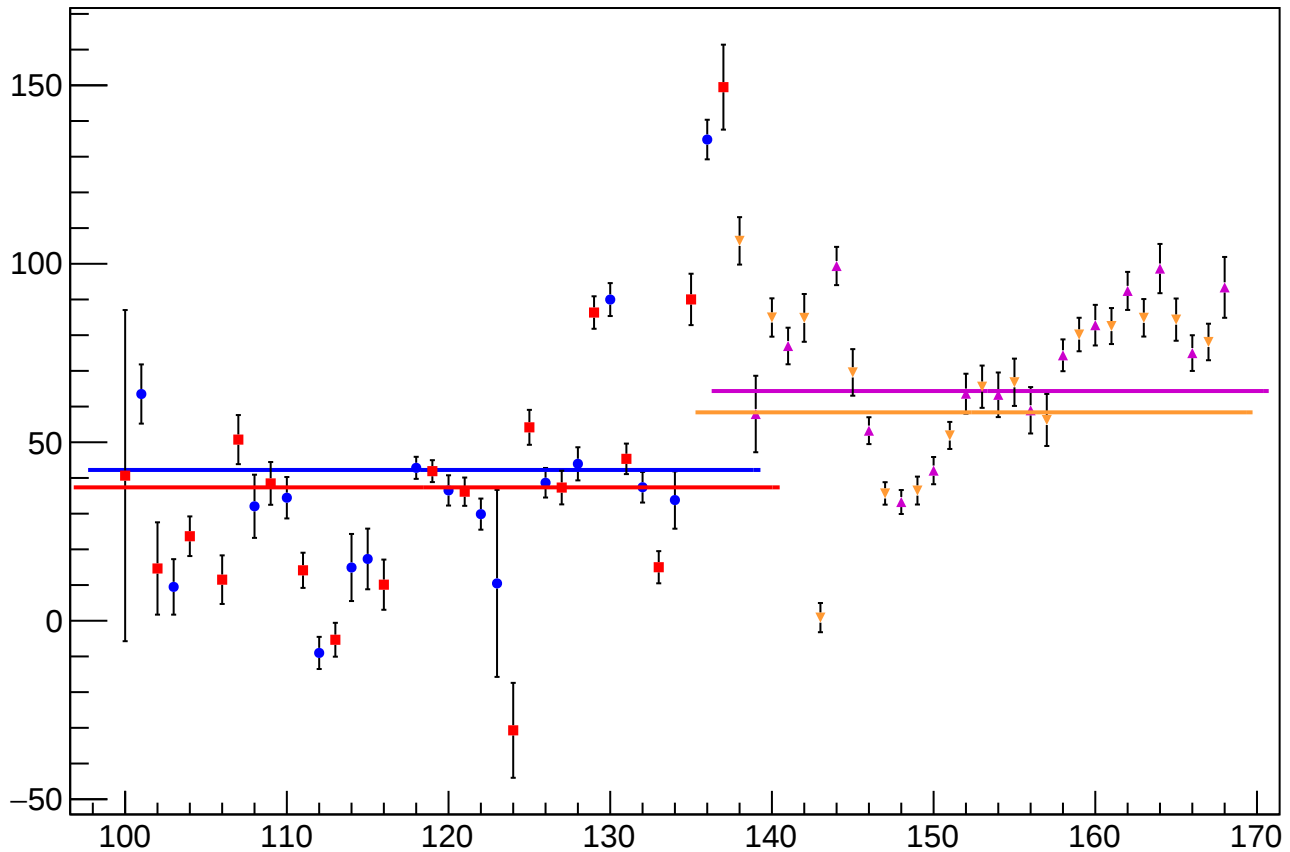
Left In: 221.978 ± 1.559 $\chi^2/\text{NDF}: 844.1/14$

+ sign 226.977 ± 1.223 $\chi^2/\text{NDF}: 4448.8/32$

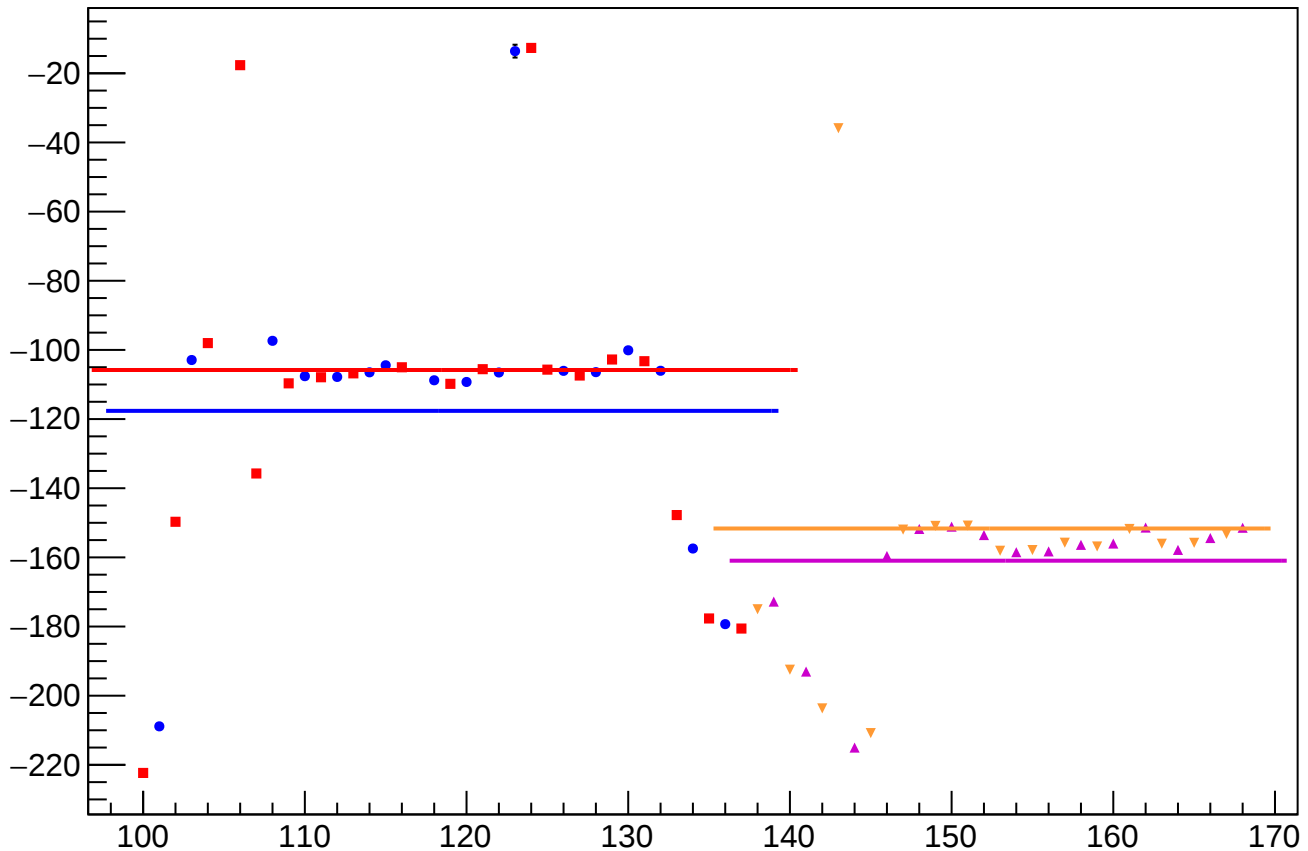
All: 231.760 ± 0.865 $\chi^2/\text{NDF}: 8090.0/66$

- sign 236.554 ± 1.224 $\chi^2/\text{NDF}: 3610.5/33$

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: -151.648+/-0.061 χ^2/NDF : 403933.7/15

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

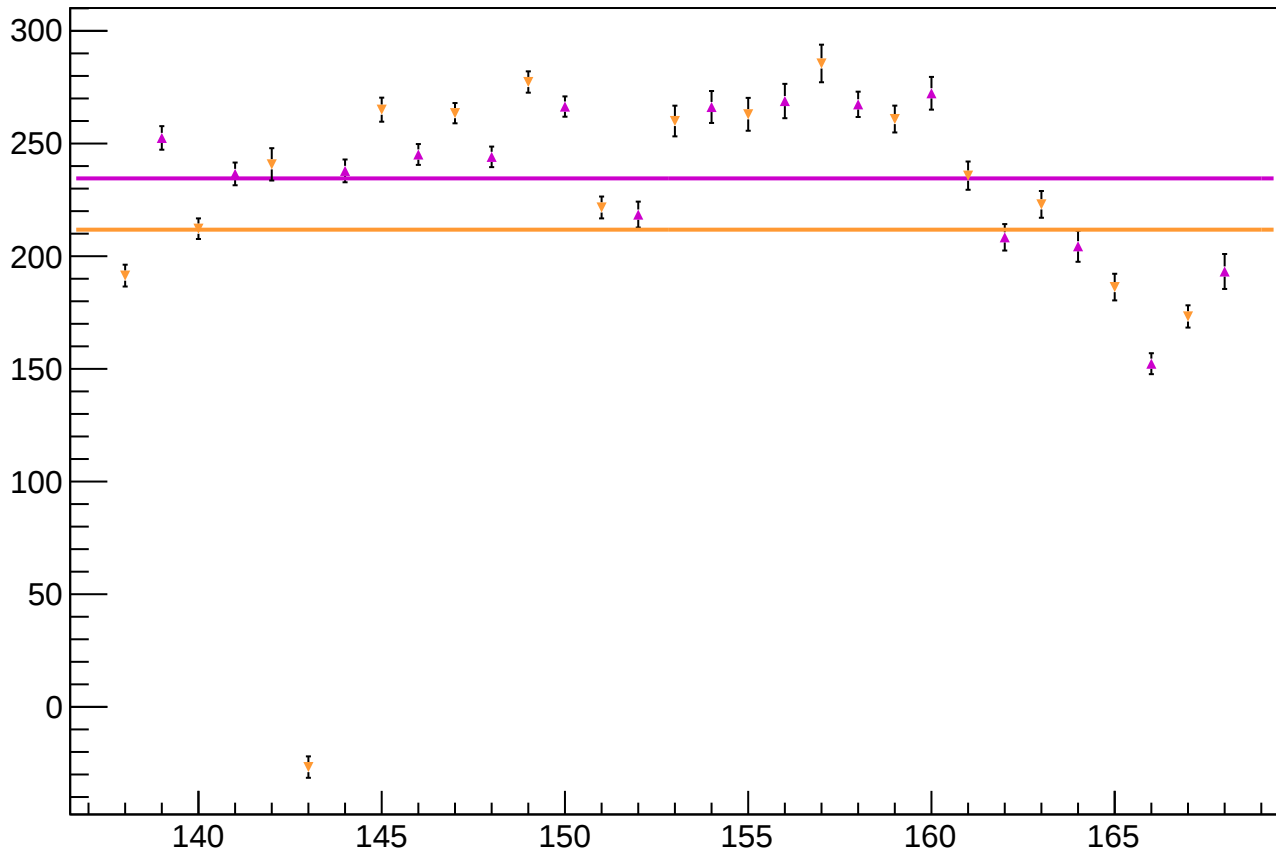
Left In: -160.961+/-0.063 χ^2/NDF : 61132.1/14

+ sign -138.916+/-0.048 χ^2/NDF : 663277.6/32

All: -138.221+/-0.034 χ^2/NDF : 1378078.6/66

- sign -137.543+/-0.047 χ^2/NDF : 714387.5/33

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 211.781+/-1.371 χ^2/NDF : 3320.7/15

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

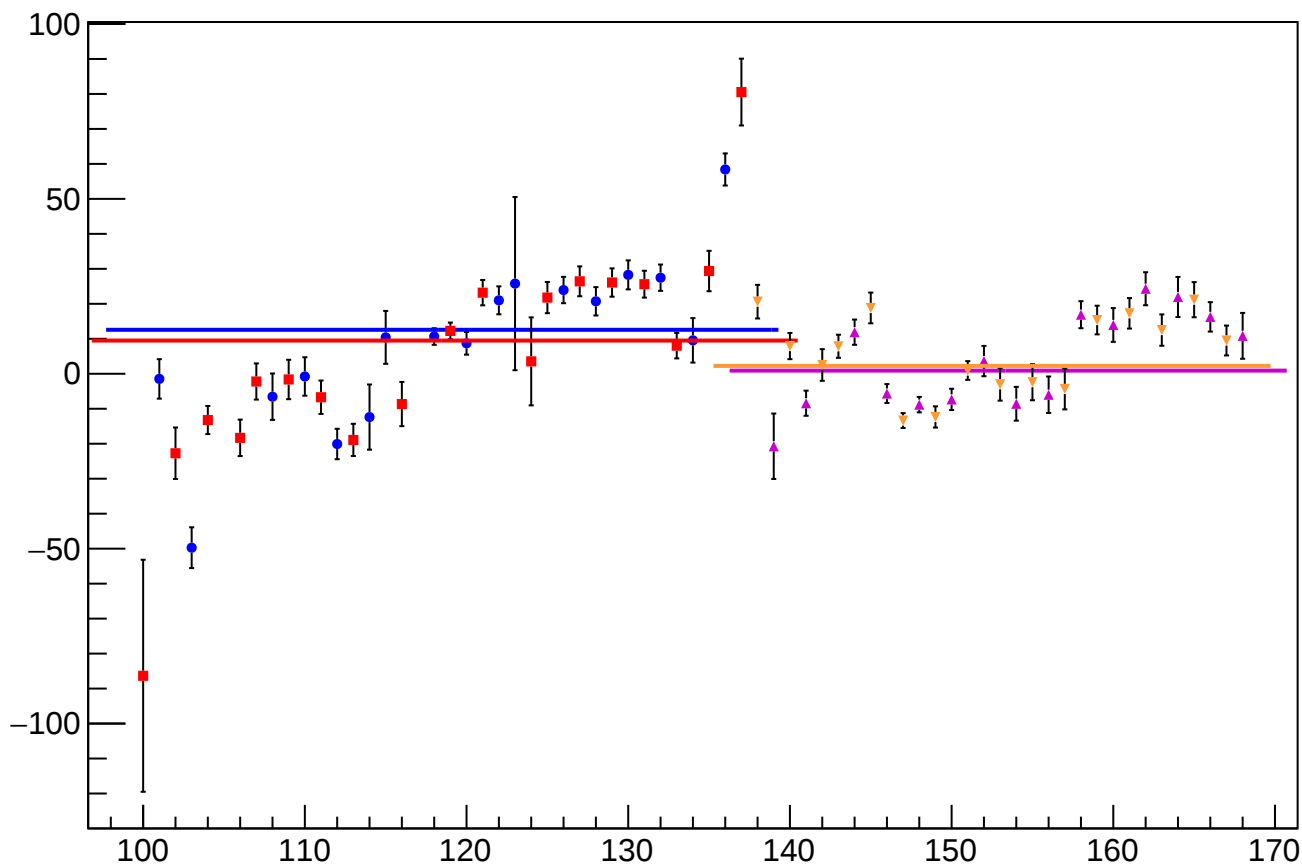
Left In: 234.529+/-1.429 χ^2/NDF : 561.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 222.687+/-0.989 χ^2/NDF : 4014.2/30

- 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: 2.245 $\pm$ 0.935 χ^2 /NDF: 159.0/15

Right Out: 9.493 $\pm$ 1.047 χ^2 /NDF: 295.8/18

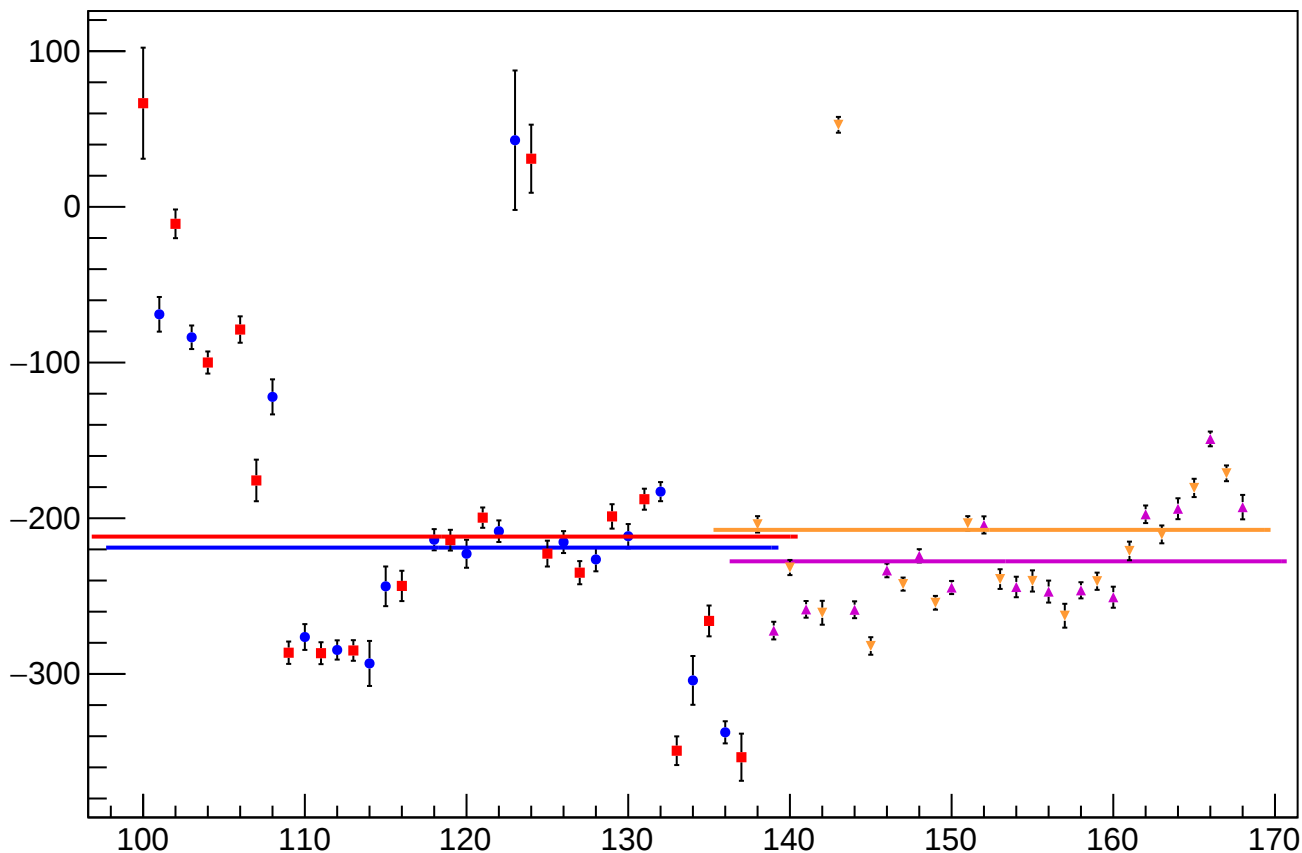
Left In: 0.901 $\pm$ 0.993 χ^2 /NDF: 138.1/14

+ sign 6.699 $\pm$ 0.705 χ^2 /NDF: 559.6/32

All: 5.852 $\pm$ 0.504 χ^2 /NDF: 1031.8/66

- sign 4.969 $\pm$ 0.721 χ^2 /NDF: 469.3/33

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -207.461 ± 1.357 $\chi^2/\text{NDF}: 3271.2/15$

Right Out: -211.780 ± 1.924 $\chi^2/\text{NDF}: 1885.2/18$

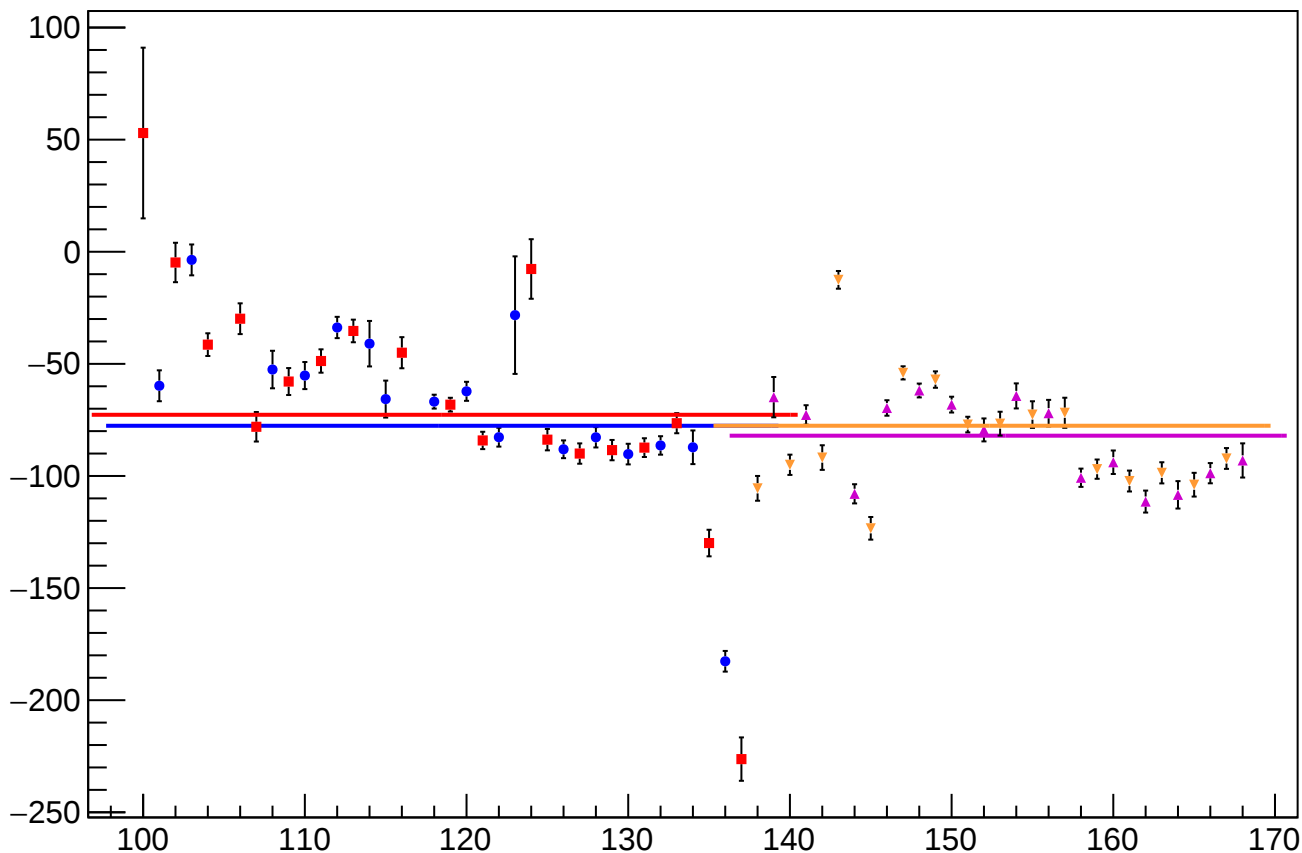
Left In: -227.665 ± 1.398 $\chi^2/\text{NDF}: 551.7/14$

+ sign -210.997 ± 1.127 $\chi^2/\text{NDF}: 4439.6/32$

All: -216.566 ± 0.798 $\chi^2/\text{NDF}: 6970.1/66$

- sign -222.176 ± 1.131 $\chi^2/\text{NDF}: 2481.5/33$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -77.597 ± 1.115 χ^2/NDF : 600.3/15

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

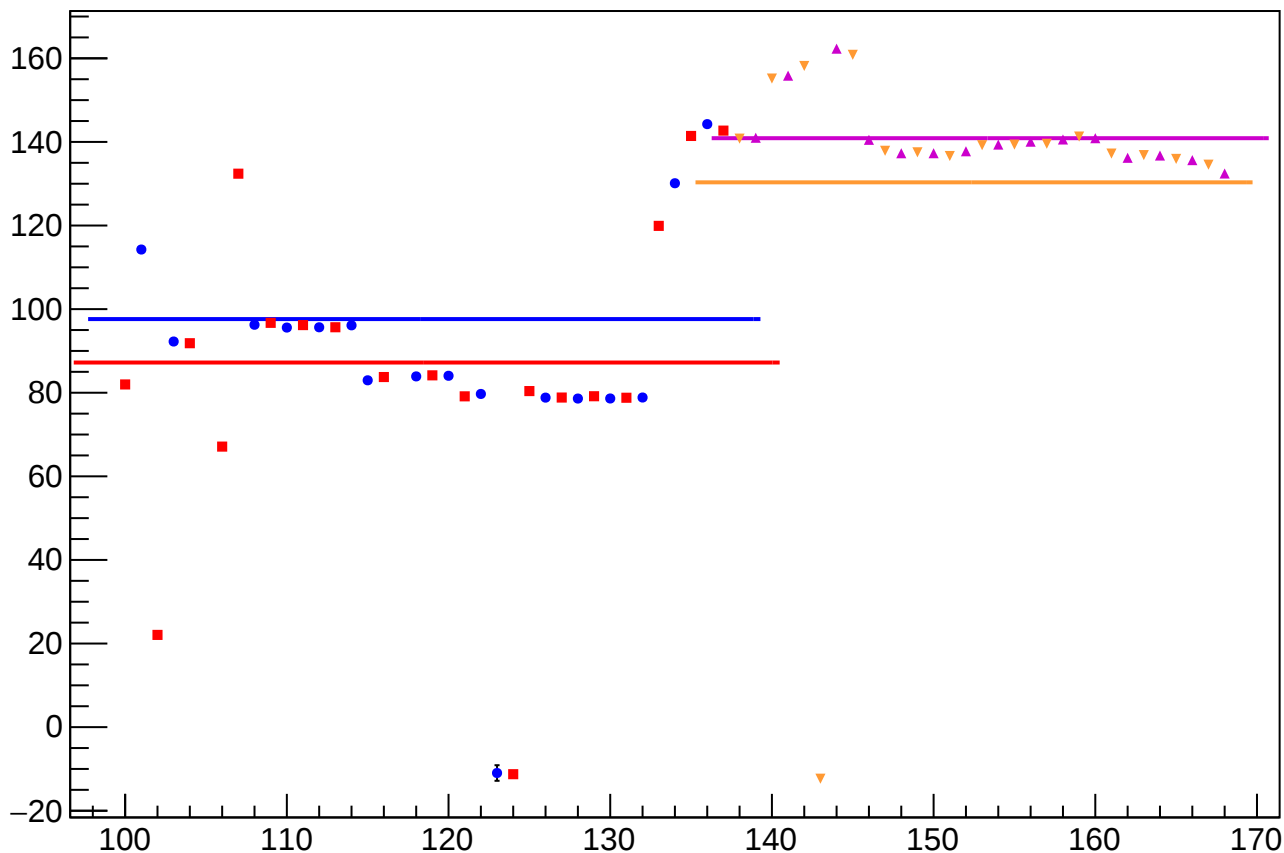
Left In: -82.034 ± 1.179 χ^2/NDF : 225.7/14

+ sign -77.604 ± 0.828 χ^2/NDF : 1416.2/32

All: -77.542 ± 0.591 χ^2/NDF : 2343.9/66

- sign -77.478 ± 0.843 χ^2/NDF : 927.7/33

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 130.332 $\pm$ 0.055 χ^2 /NDF: 550599.4/15

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

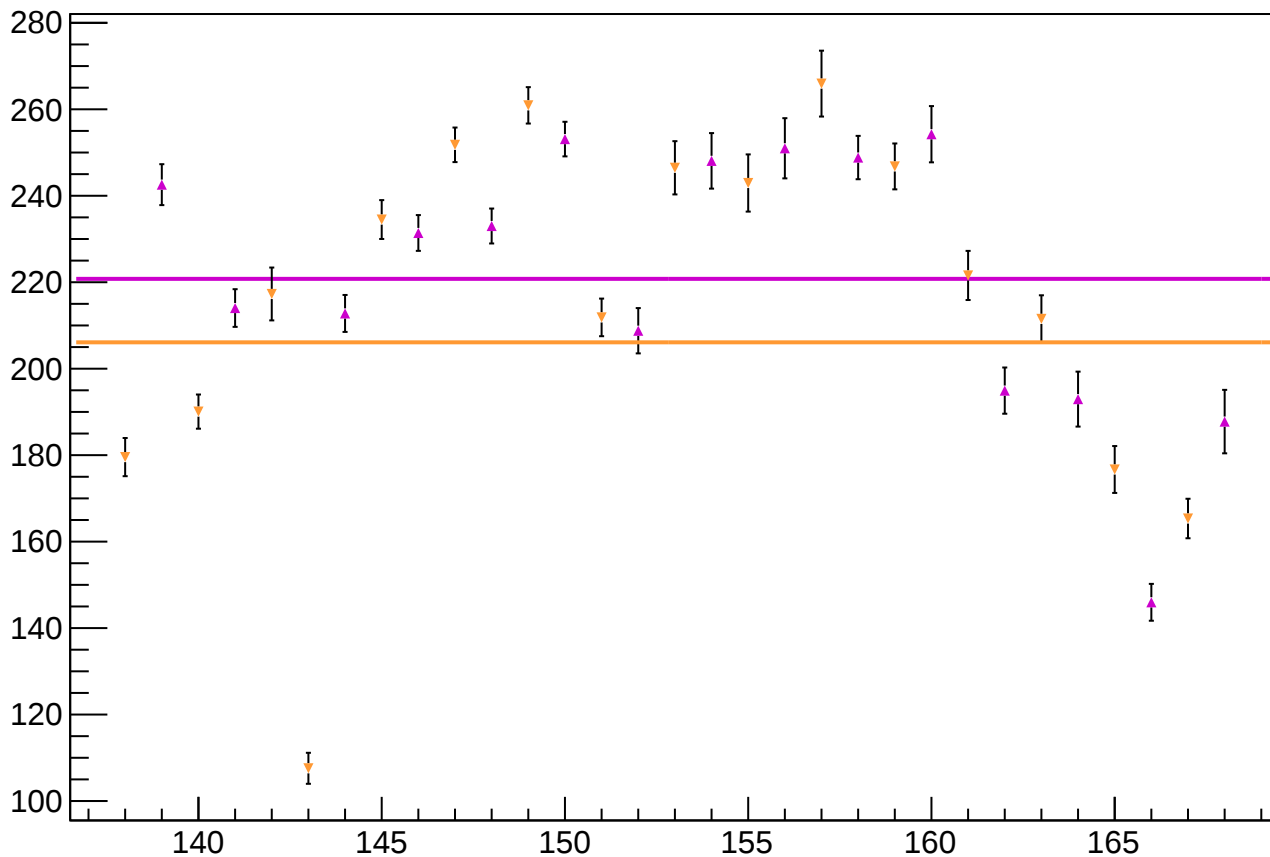
Left In: 140.893 $\pm$ 0.056 χ^2 /NDF: 16094.8/14

+ sign 118.755 $\pm$ 0.044 χ^2 /NDF: 771887.2/32

All: 119.023 $\pm$ 0.031 χ^2 /NDF: 1378069.3/66

- sign 119.285 $\pm$ 0.043 χ^2 /NDF: 606108.0/33

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: 206.099+/-1.204 χ^2/NDF :1465.1/15

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

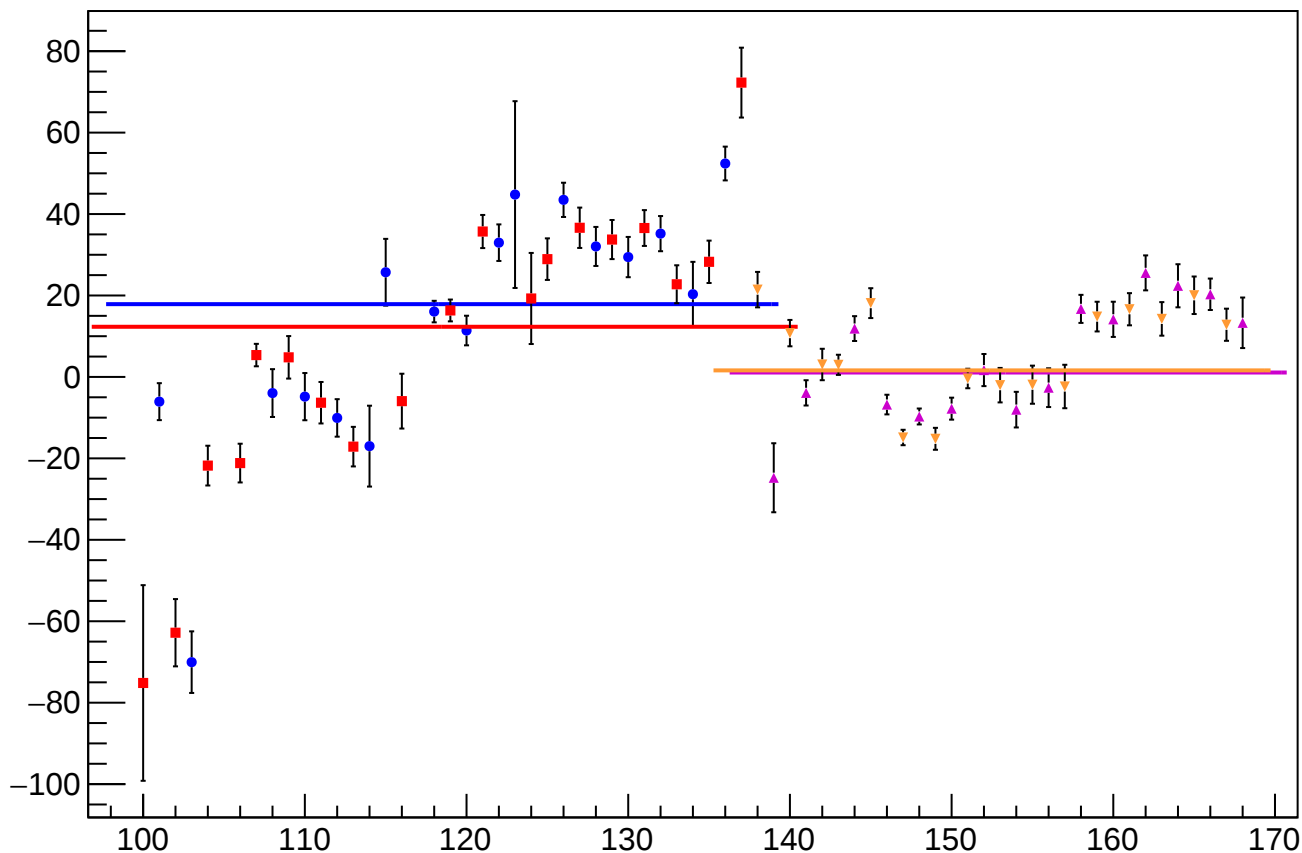
Left In: 220.780+/-1.278 χ^2/NDF :578.8/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 213.003+/-0.876 χ^2/NDF : 2113.8/30

- 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: 1.606 $\pm$ 0.819 χ^2 /NDF:227.7/15

Right Out: 12.317 $\pm$ 1.083 χ^2 /NDF: 444.0/18

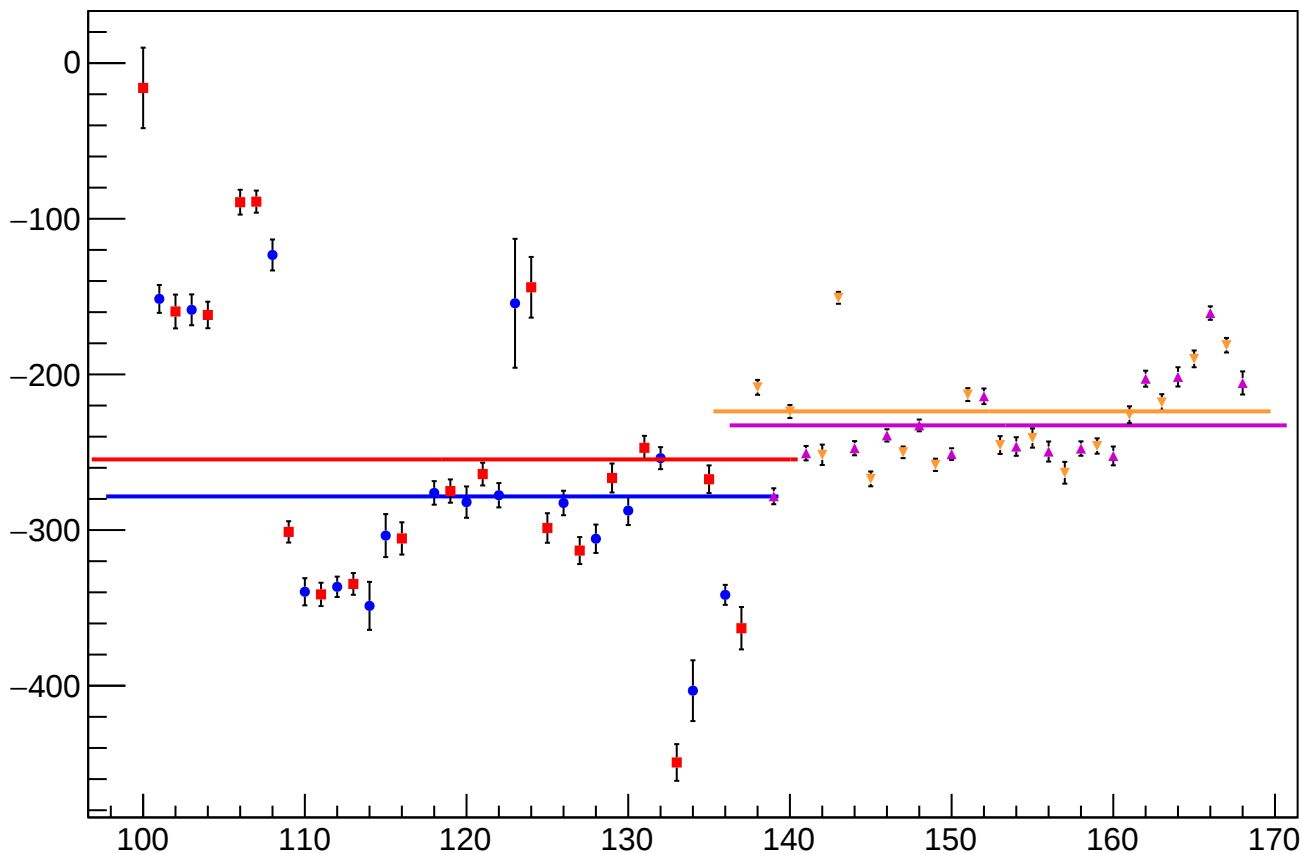
Left In: 1.084 $\pm$ 0.885 χ^2 /NDF:188.3/14

+ sign 6.984 $\pm$ 0.670 χ^2 /NDF: 753.4/32

All: 6.298 $\pm$ 0.479 χ^2 /NDF: 1452.3/66

- sign 5.580 $\pm$ 0.685 χ^2 /NDF: 696.8/33

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: -223.729 ± 1.196 χ^2/NDF : 805.1/15

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

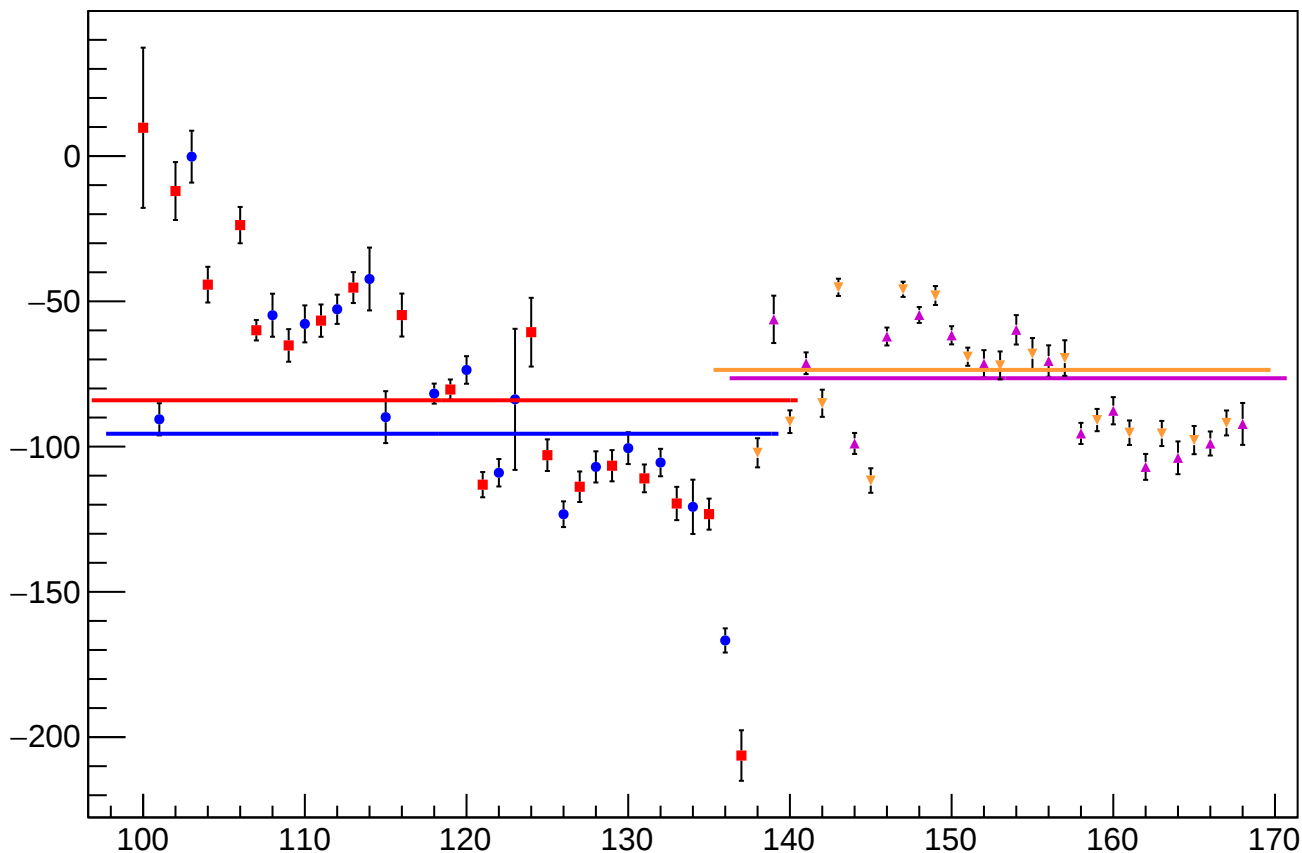
Left In: -232.742 ± 1.252 χ^2/NDF : 526.4/14

+ sign -236.327 ± 1.049 χ^2/NDF : 2197.2/32

All: -237.550 ± 0.747 χ^2/NDF : 4848.5/66

- sign -238.807 ± 1.064 χ^2/NDF : 2648.6/33

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: -73.597 ± 0.979 χ^2/NDF : 525.5/15

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

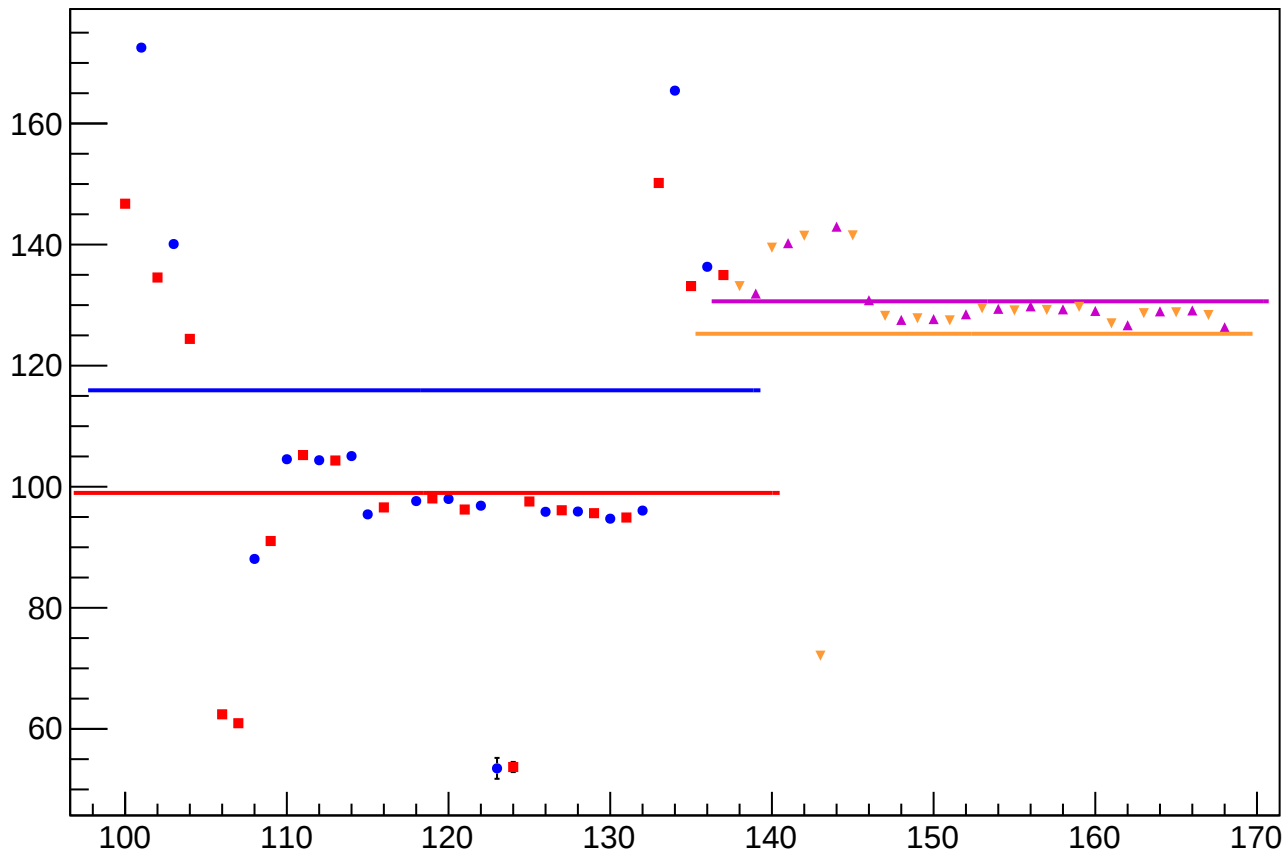
Left In: -76.470 ± 1.052 χ^2/NDF : 304.6/14

+ sign -81.244 ± 0.791 χ^2/NDF : 1372.1/32

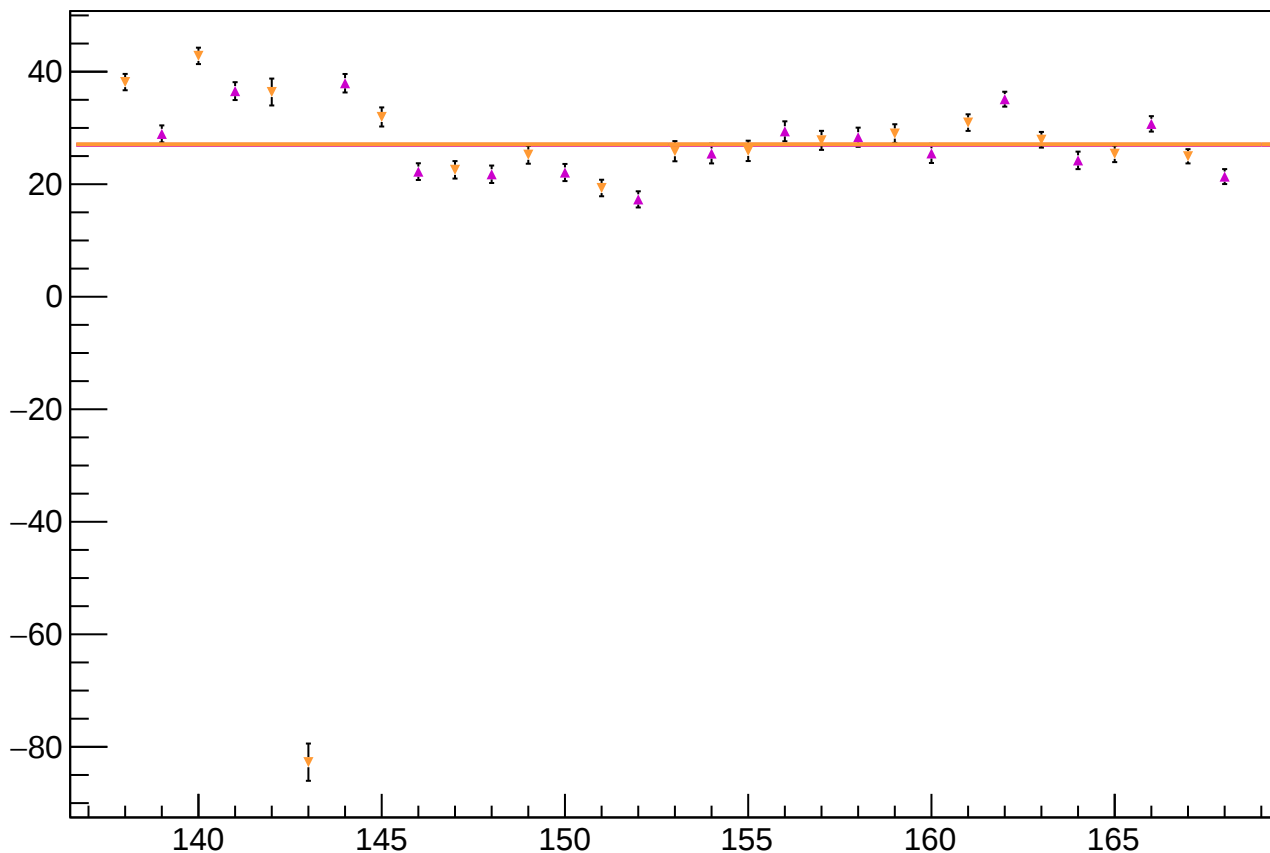
All: -80.438 ± 0.565 χ^2/NDF : 2483.5/66

- sign -79.599 ± 0.807 χ^2/NDF : 1109.3/33

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



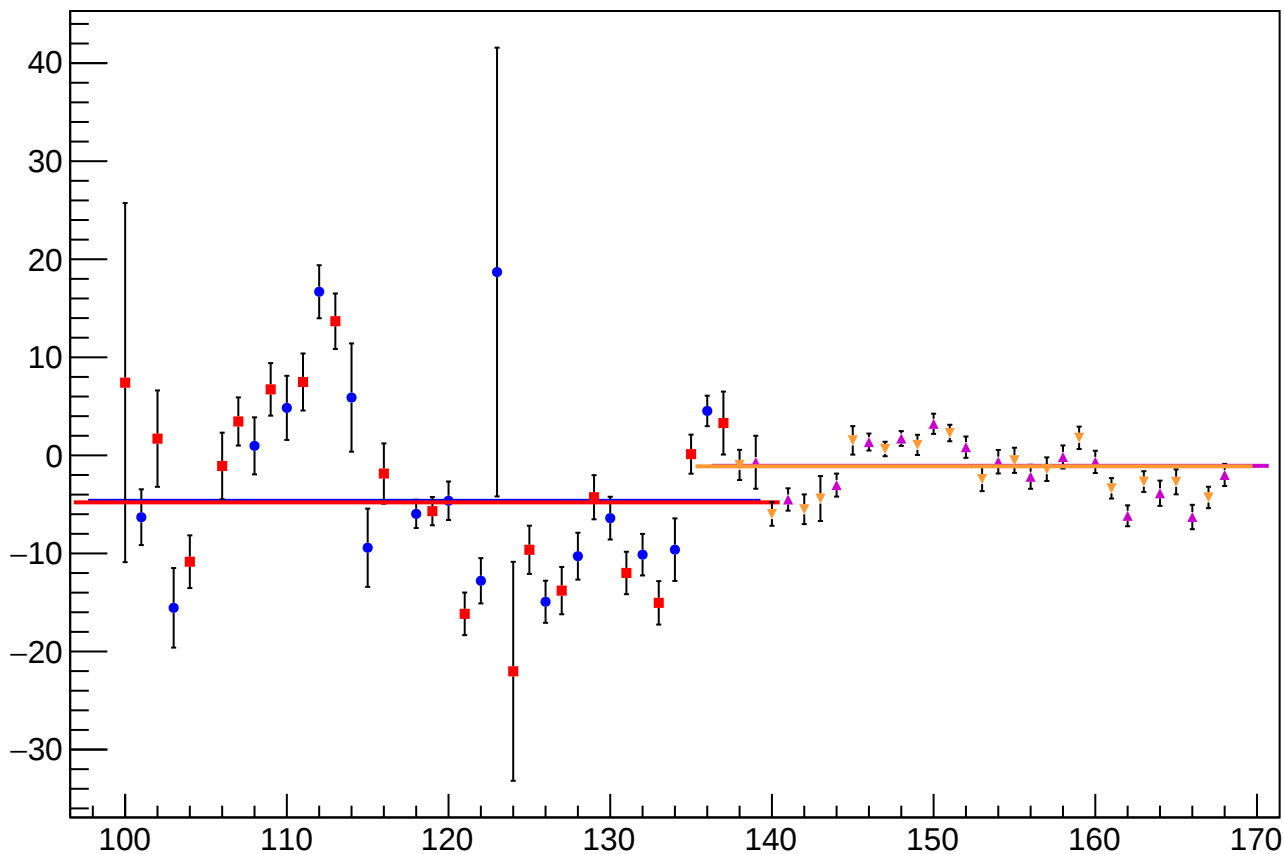
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left Out: 27.096 +/- 0.401 χ^2/NDF : 1349.2/15
 Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left In: 27.001 +/- 0.395 χ^2/NDF : 230.0/14

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 All: 27.048 +/- 0.282 χ^2/NDF : 1579.2/30
 - 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: -1.116 ± 0.284 χ^2/NDF : 81.3/15

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

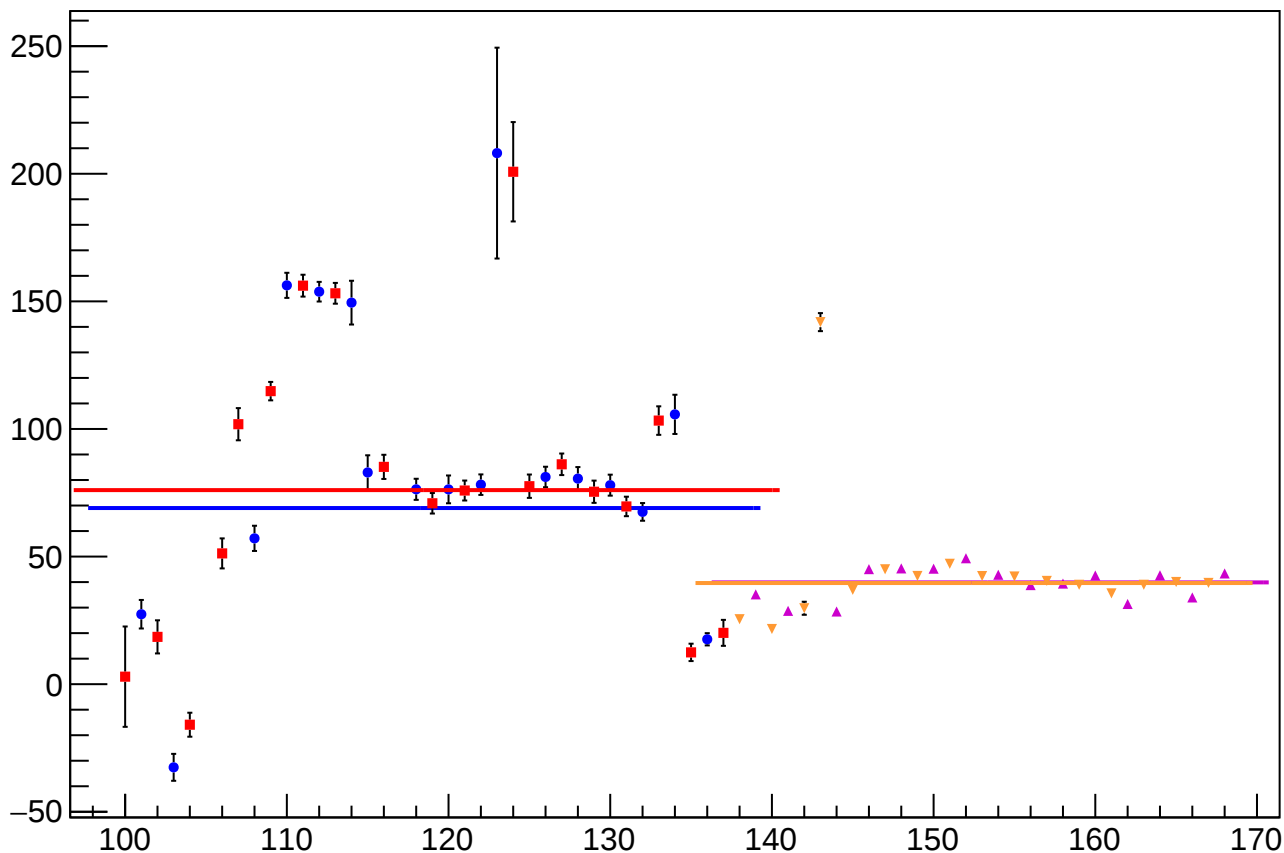
Left In: -1.066 ± 0.285 χ^2/NDF : 101.3/14

+ sign -1.783 ± 0.256 χ^2/NDF : 284.8/32

All: -1.783 ± 0.181 χ^2/NDF : 611.4/66

- sign -1.783 ± 0.256 χ^2/NDF : 326.6/33

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019 $\pm$ 1.083 χ^2/NDF : 1848.0/16

Left Out: 39.633 $\pm$ 0.394 χ^2/NDF :1129.5/15

Right Out: 76.041 $\pm$ 1.070 χ^2/NDF : 1881.9/18

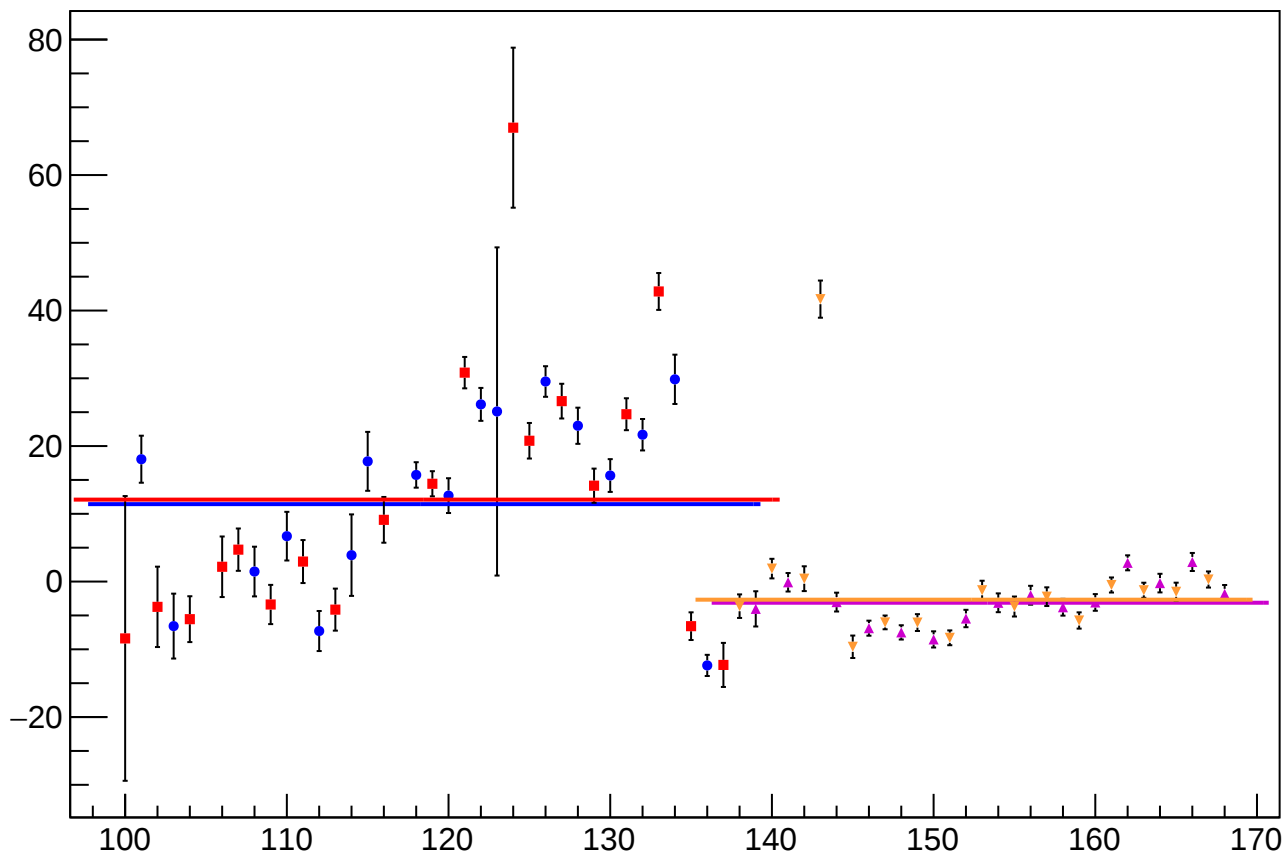
Left In: 39.885 $\pm$ 0.386 χ^2/NDF :261.7/14

+ sign 43.059 $\pm$ 0.370 χ^2/NDF : 3627.4/32

All: 43.566 $\pm$ 0.259 χ^2/NDF : 6785.1/66

- sign 44.055 $\pm$ 0.363 χ^2/NDF : 3154.0/33

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428+/-0.665 χ^2/NDF : 476.8/16

Left Out: -2.675+/-0.331 χ^2/NDF : 357.6/15

Right Out: 12.095+/-0.664 χ^2/NDF : 539.1/18

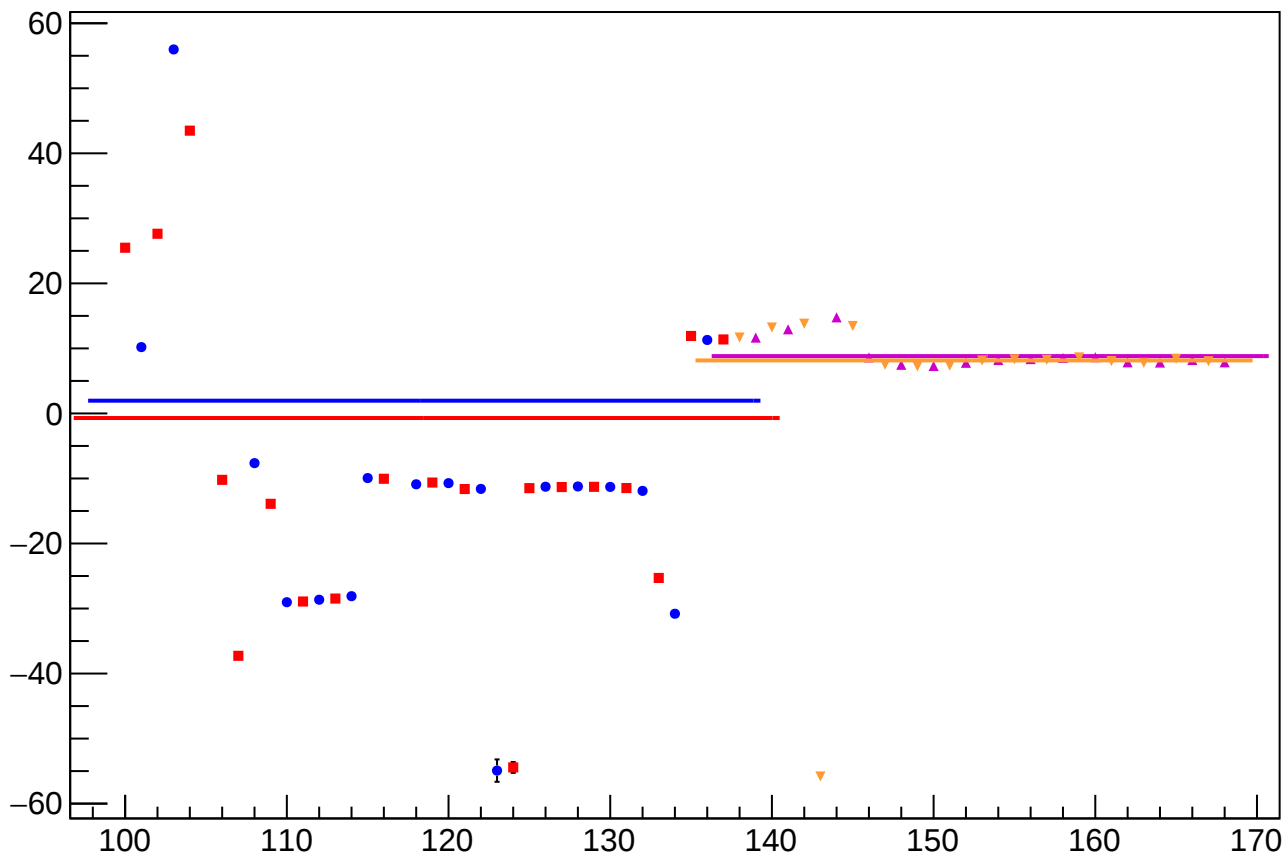
Left In: -3.125+/-0.332 χ^2/NDF : 112.6/14

+ sign 0.124+/-0.296 χ^2/NDF : 1194.3/32

All: 0.024+/-0.210 χ^2/NDF : 2266.5/66

- sign -0.076+/-0.297 χ^2/NDF : 1071.9/33

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 ± 0.037 χ^2/NDF : 358457.0/16

Left Out: 8.153 ± 0.015 χ^2/NDF : 222585.9/15

Right Out: -0.704 ± 0.037 χ^2/NDF : 361168.6/18

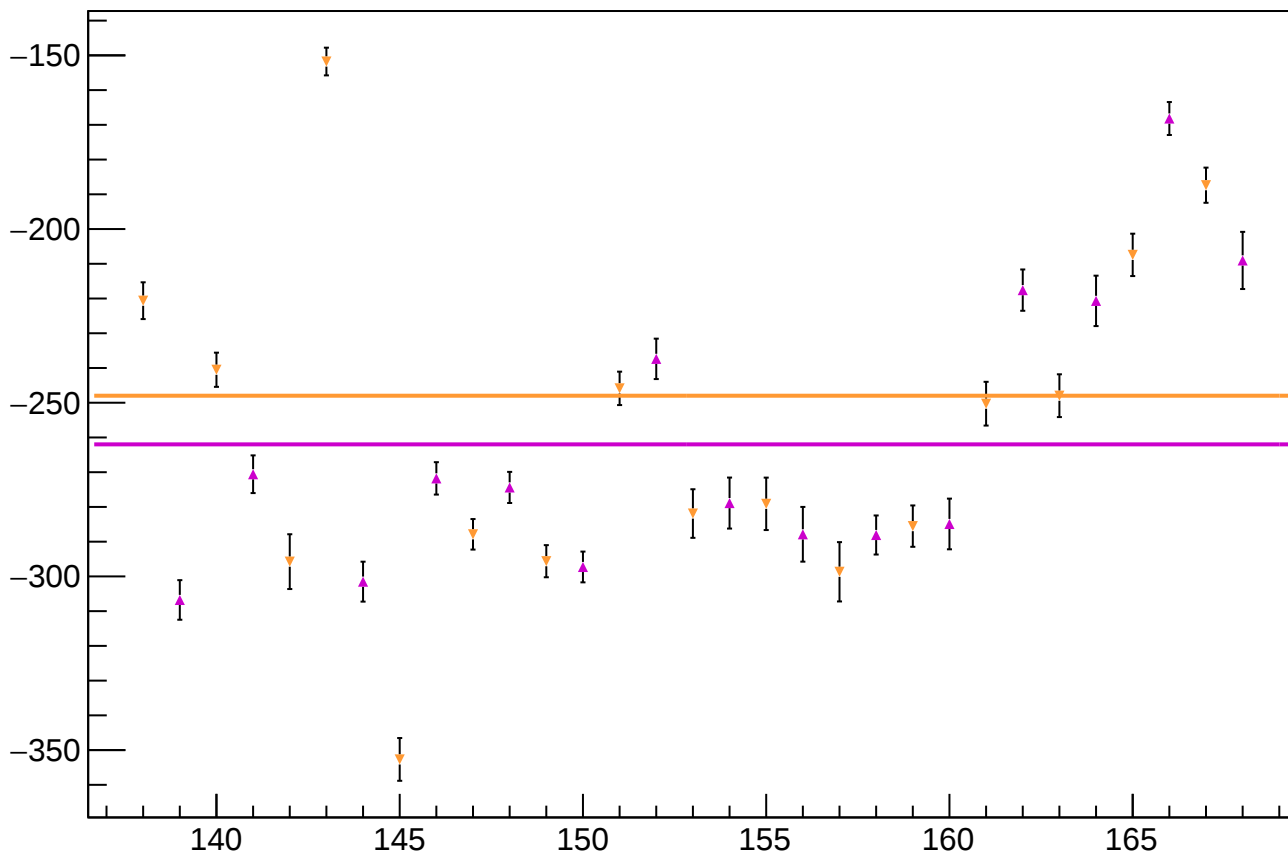
Left In: 8.817 ± 0.015 χ^2/NDF : 14854.4/14

+ sign 7.238 ± 0.014 χ^2/NDF : 604727.7/32

All: 7.345 ± 0.010 χ^2/NDF : 1037198.4/66

- sign 7.450 ± 0.014 χ^2/NDF : 432358.4/33

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: -247.981+/-1.385 χ^2/NDF : 1428.4/15

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

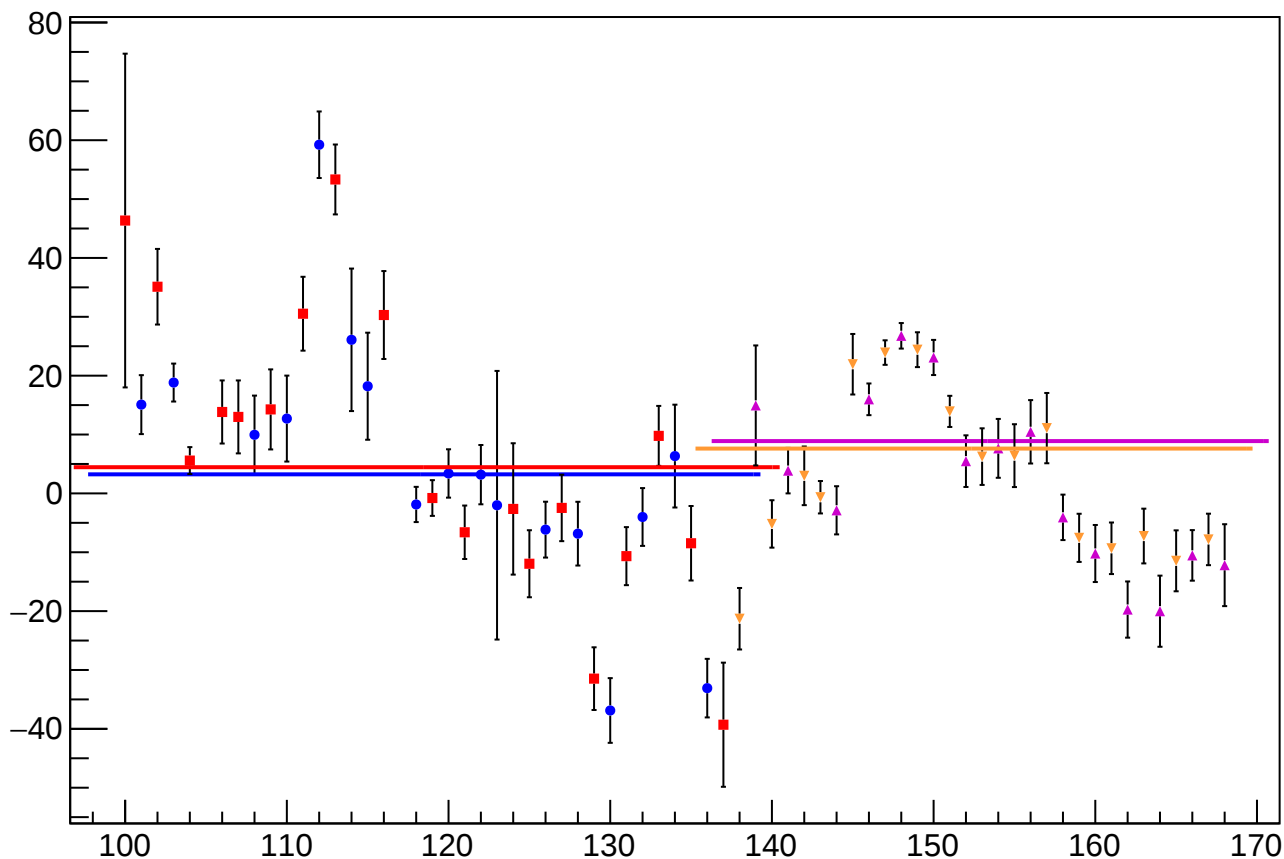
Left In: -261.988+/-1.470 χ^2/NDF : 773.3/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -254.568+/-1.008 χ^2/NDF : 2249.9/30

- 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: 7.614 ± 0.932 χ^2/NDF : 223.0/15

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

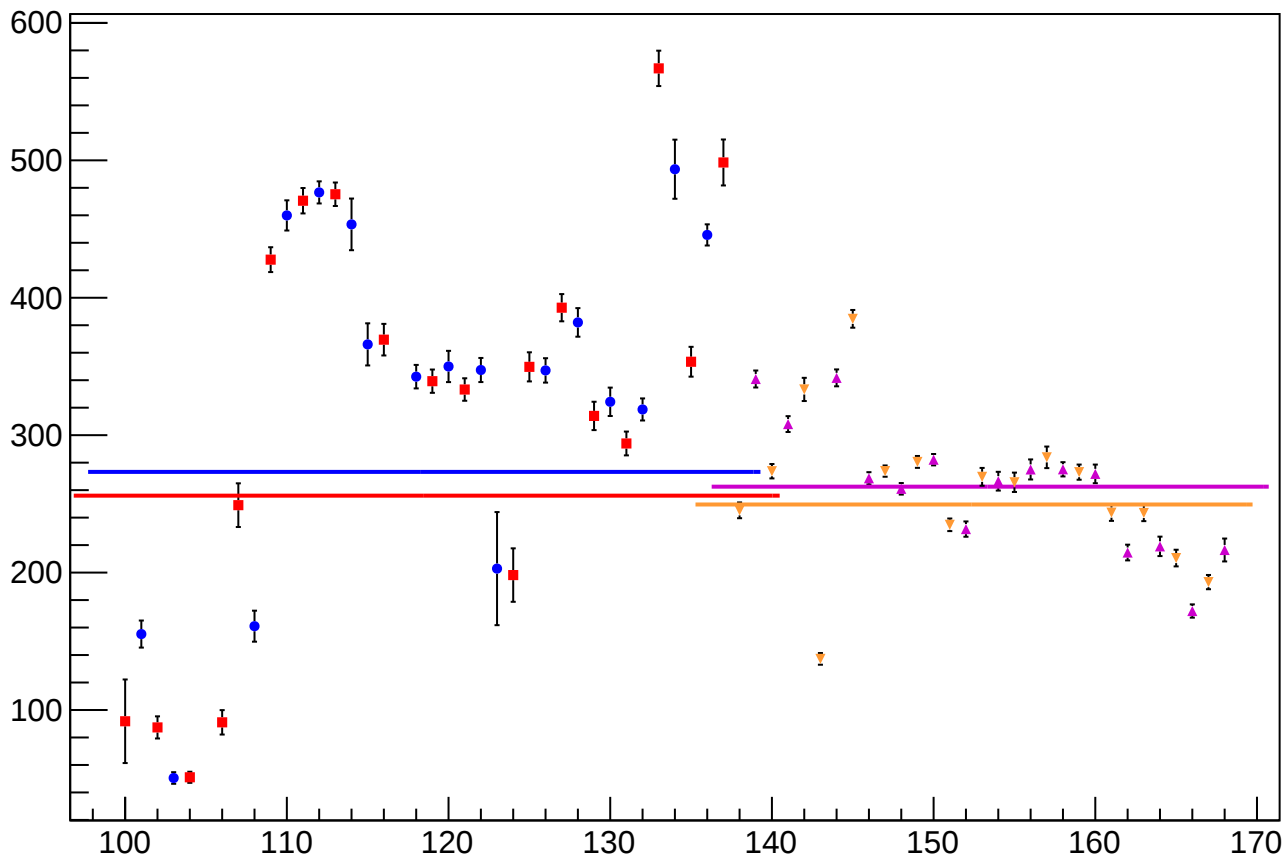
Left In: 8.886 ± 1.010 χ^2/NDF : 223.8/14

+ sign 6.039 ± 0.746 χ^2/NDF : 486.2/32

All: 6.495 ± 0.533 χ^2/NDF : 944.9/66

- sign 6.969 ± 0.761 χ^2/NDF : 457.9/33

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: 249.551 ± 1.368 χ^2/NDF : 1565.4/15

Right Out: 255.985 ± 2.080 χ^2/NDF : 6438.4/18

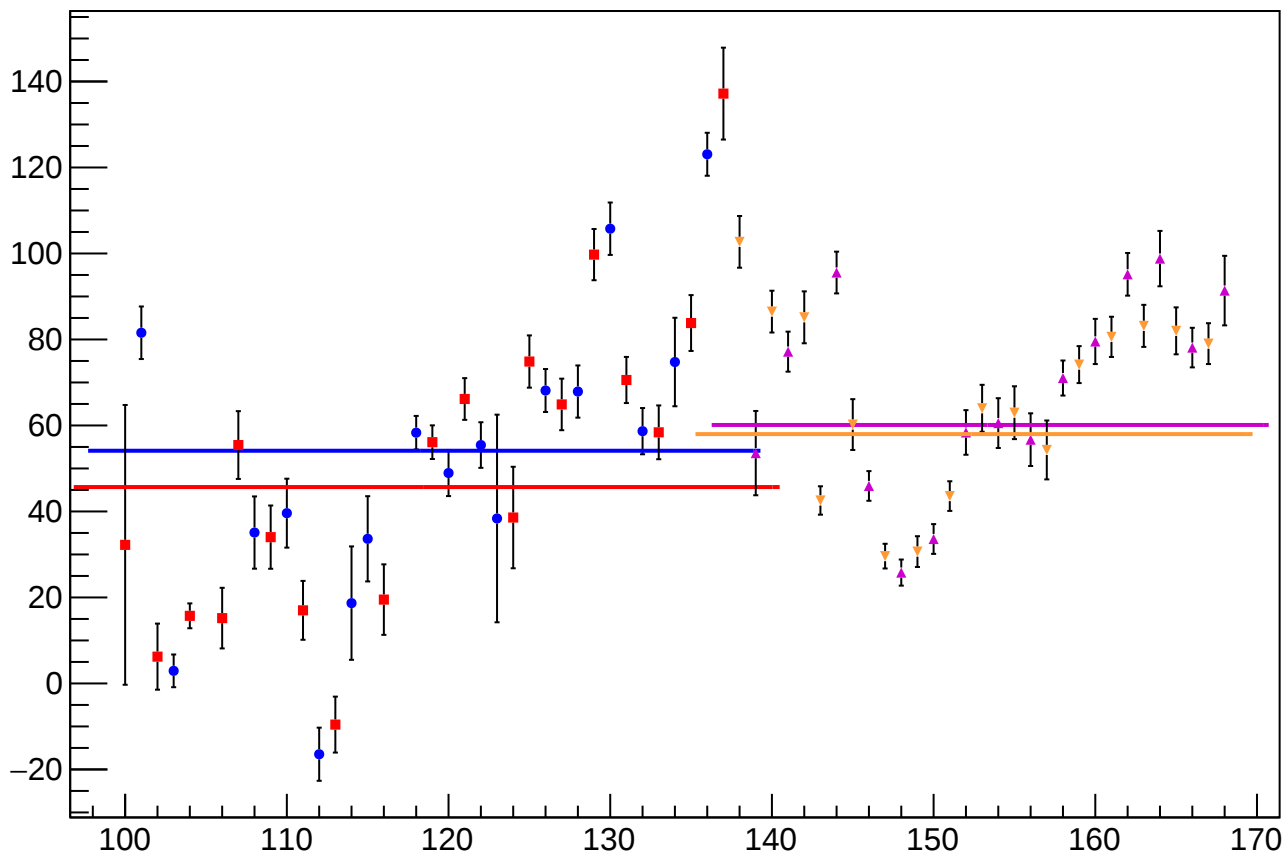
Left In: 262.525 ± 1.433 χ^2/NDF : 944.5/14

+ sign 256.150 ± 1.163 χ^2/NDF : 6750.5/32

All: 258.254 ± 0.828 χ^2/NDF : 14146.8/66

- sign 260.420 ± 1.180 χ^2/NDF : 7389.6/33

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: 57.991 $\pm$ 1.116 χ^2 /NDF: 410.5/15

Right Out: 45.675 $\pm$ 1.357 χ^2 /NDF: 531.0/18

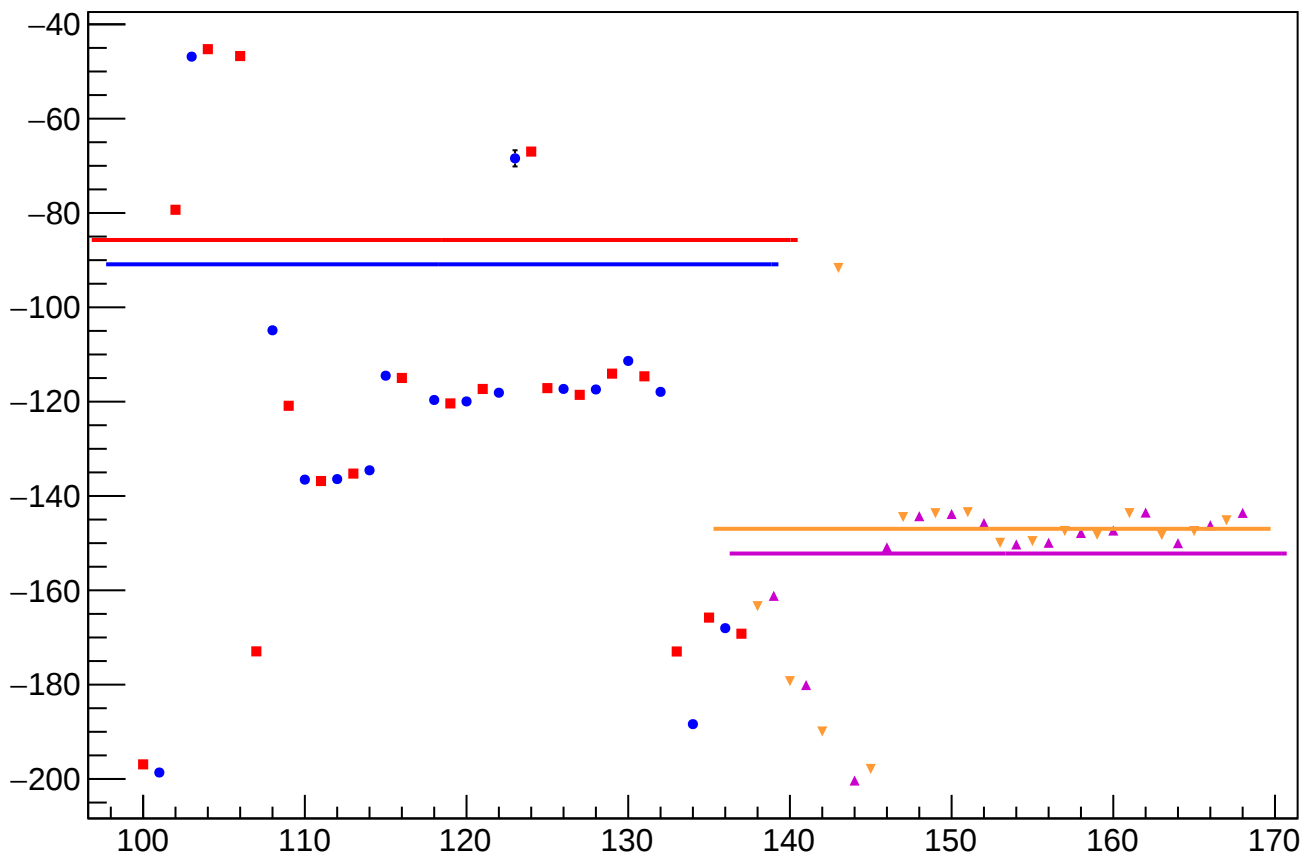
Left In: 60.117 $\pm$ 1.202 χ^2 /NDF: 408.0/14

+ sign 56.534 $\pm$ 0.882 χ^2 /NDF: 1048.9/32

All: 55.179 $\pm$ 0.630 χ^2 /NDF: 2056.2/66

- sign 53.768 $\pm$ 0.900 χ^2 /NDF: 1002.5/33

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881 $\pm$ 0.068 χ^2 /NDF: 533423.8/16

Left Out: -146.962 $\pm$ 0.055 χ^2 /NDF: 187152.5/15

Right Out: -85.722 $\pm$ 0.065 χ^2 /NDF: 494183.1/18

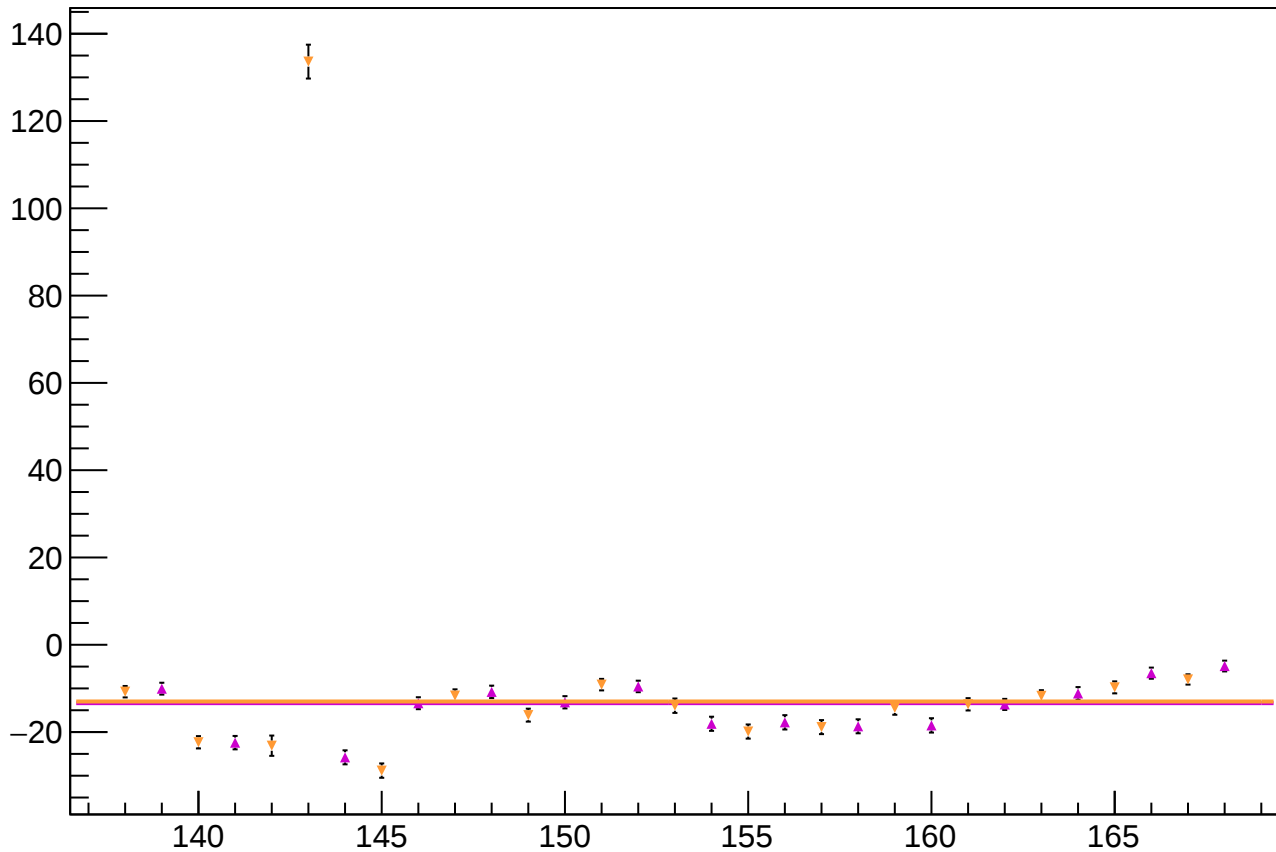
Left In: -152.200 $\pm$ 0.058 χ^2 /NDF: 57104.4/14

+ sign -124.605 $\pm$ 0.043 χ^2 /NDF: 1132574.7/32

All: -123.826 $\pm$ 0.030 χ^2 /NDF: 2270449.5/66

- sign -123.035 $\pm$ 0.043 χ^2 /NDF: 1137206.2/33

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: -12.994+/-0.376 χ^2/NDF : 1656.5/15

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

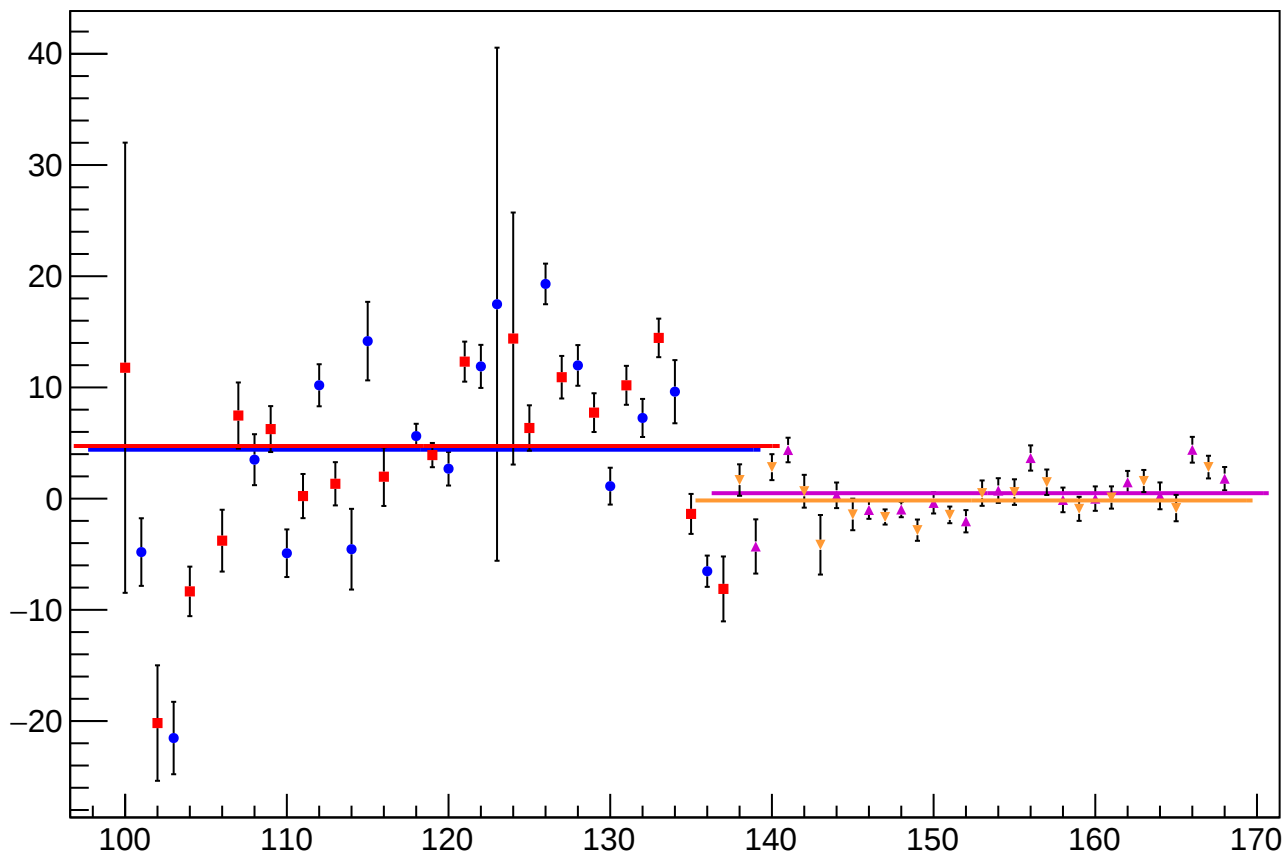
Left In: -13.374+/-0.370 χ^2/NDF : 226.6/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -13.187+/-0.264 χ^2/NDF : 1883.6/30

- 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: -0.164 ± 0.265 χ^2/NDF : 42.6/15

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

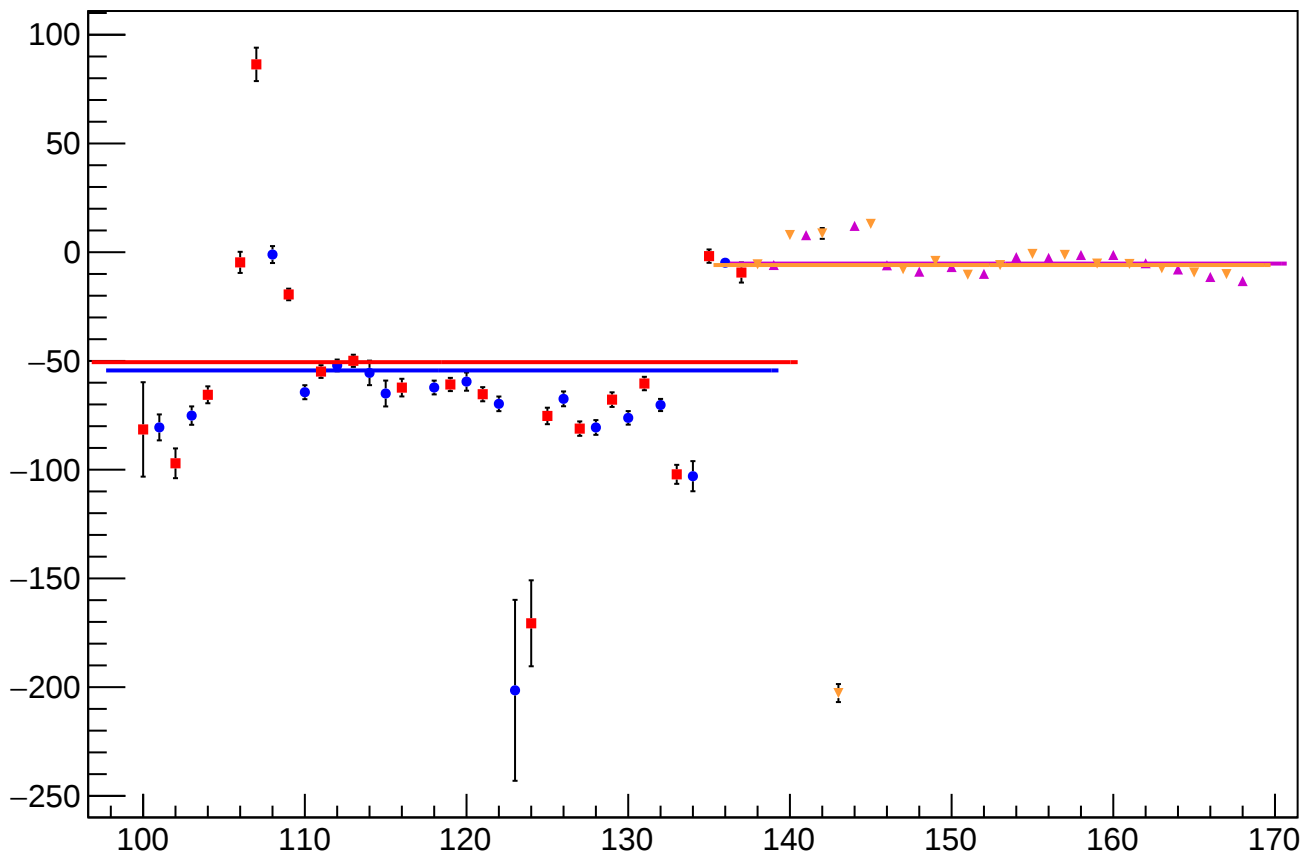
Left In: 0.490 ± 0.267 χ^2/NDF : 53.6/14

+ sign 0.936 ± 0.231 χ^2/NDF : 400.7/32

All: 1.224 ± 0.164 χ^2/NDF : 701.2/66

- sign 1.516 ± 0.233 χ^2/NDF : 297.4/33

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: -5.897 ± 0.368 χ^2/NDF : 2555.2/15

Right Out: -50.554 ± 0.858 χ^2/NDF : 1321.3/18

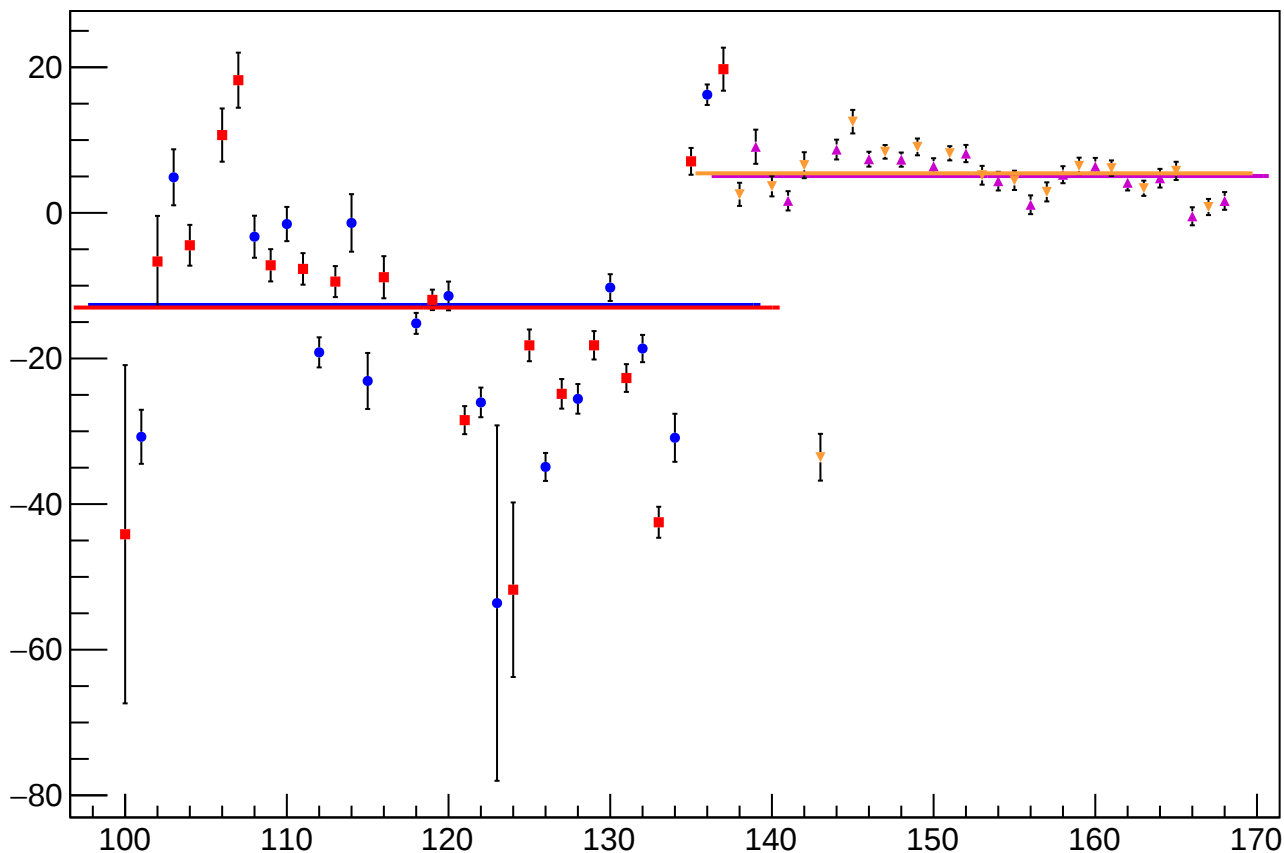
Left In: -5.229 ± 0.361 χ^2/NDF : 277.0/14

+ sign -13.283 ± 0.339 χ^2/NDF : 6210.0/32

All: -12.662 ± 0.238 χ^2/NDF : 10187.5/66

- sign -12.062 ± 0.333 χ^2/NDF : 3970.9/33

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: 5.434 ± 0.310 χ^2/NDF : 226.6/15

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

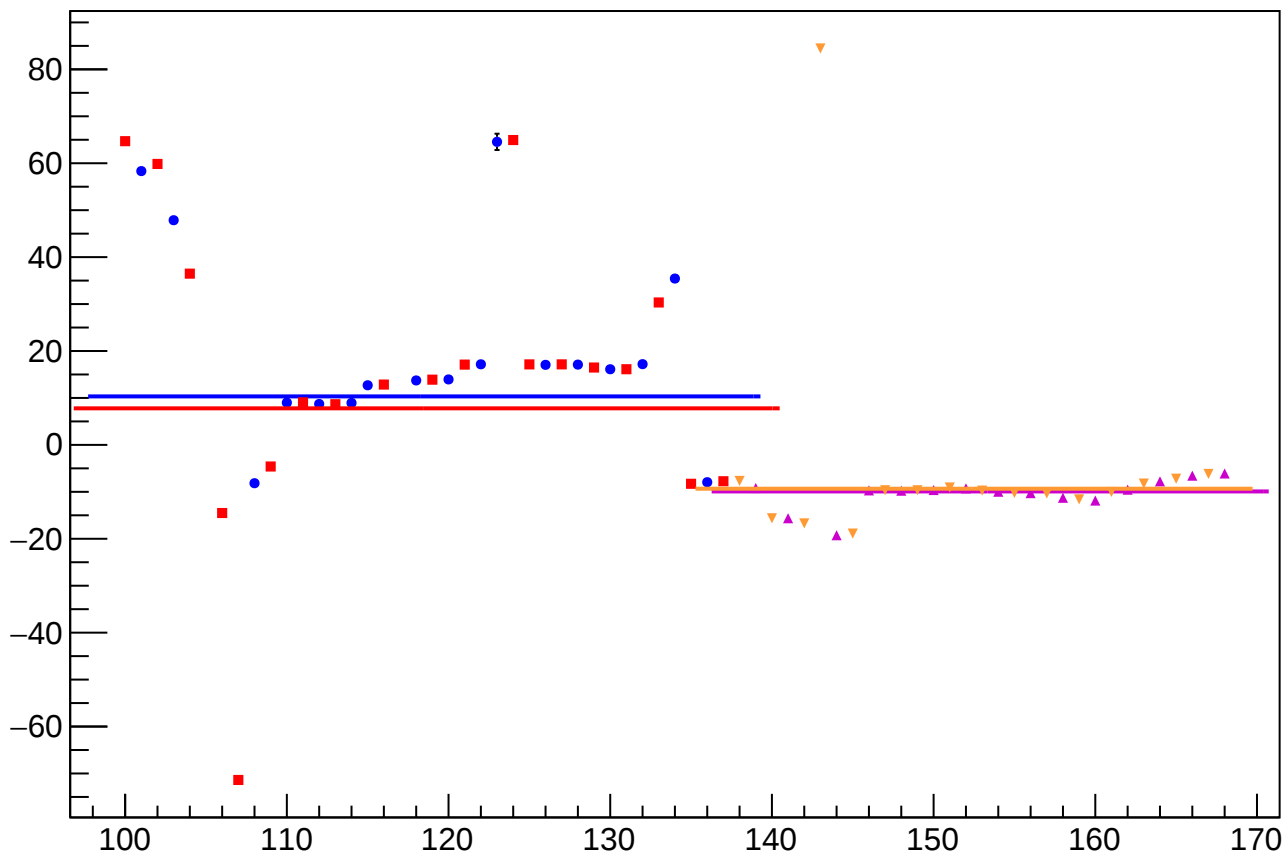
Left In: 5.059 ± 0.312 χ^2/NDF : 74.9/14

+ sign 0.906 ± 0.268 χ^2/NDF : 1867.2/32

All: 0.712 ± 0.190 χ^2/NDF : 3510.0/66

- sign 0.517 ± 0.270 χ^2/NDF : 1641.7/33

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: -9.336+/-0.014 χ^2/NDF : 363447.2/15

Right Out: 7.786+/-0.031 χ^2/NDF : 544119.7/18

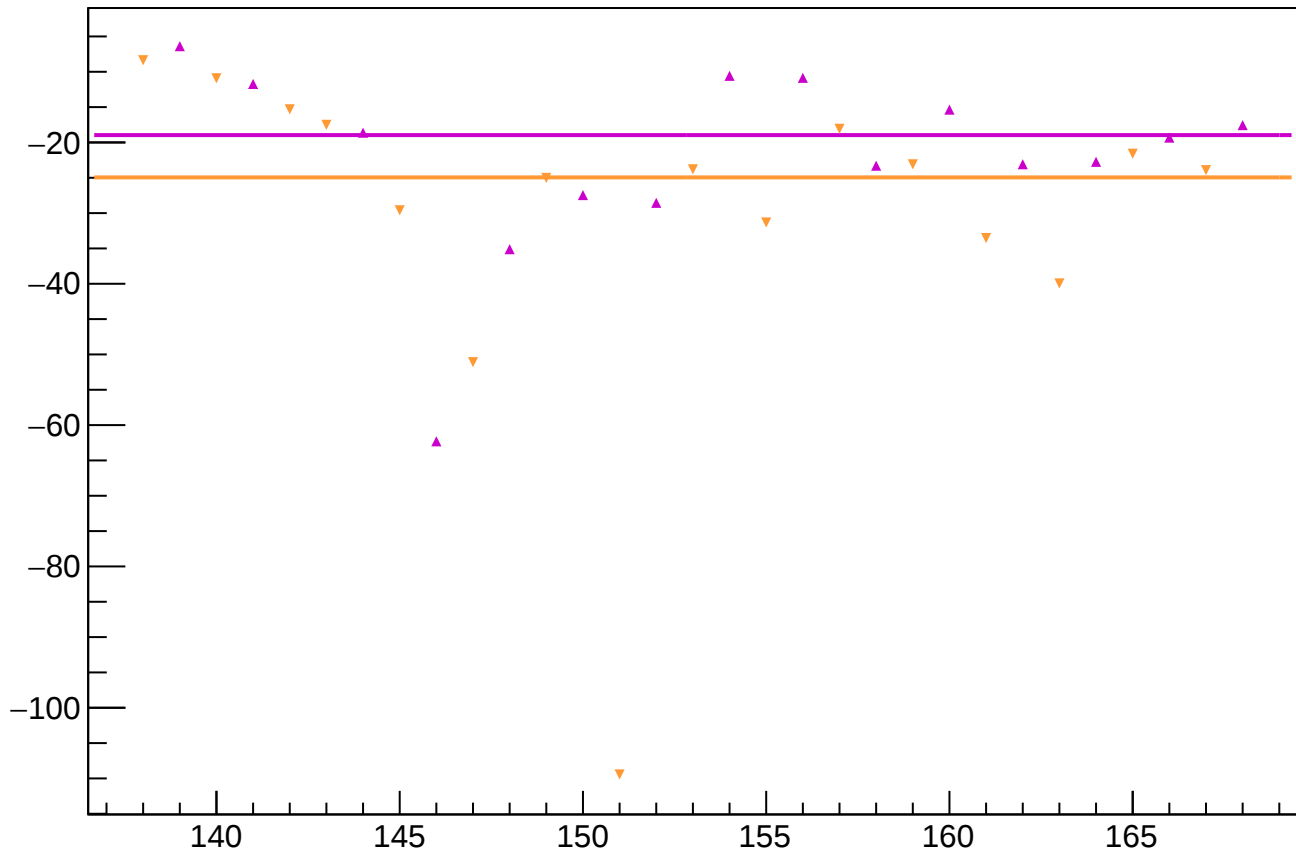
Left In: -9.917+/-0.014 χ^2/NDF : 36569.9/14

+ sign -5.756+/-0.013 χ^2/NDF : 1080478.3/32

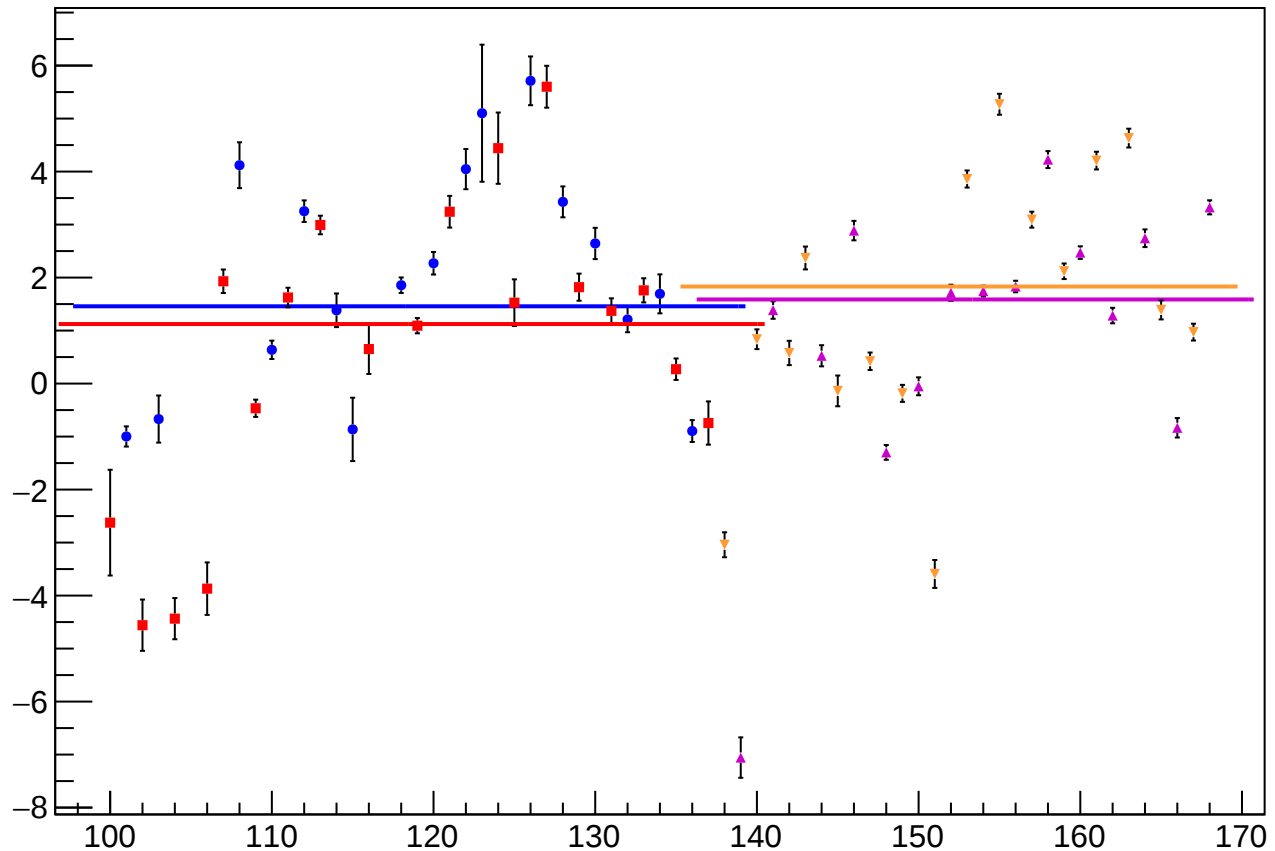
All: -6.331+/-0.009 χ^2/NDF : 1930169.6/66

- sign -6.894+/-0.013 χ^2/NDF : 845869.1/33

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 $\pm$ 0.062 χ^2/NDF : 698.2/16

Left Out: 1.831 $\pm$ 0.046 χ^2/NDF : 2214.4/15

Right Out: 1.123 $\pm$ 0.058 χ^2/NDF : 947.4/18

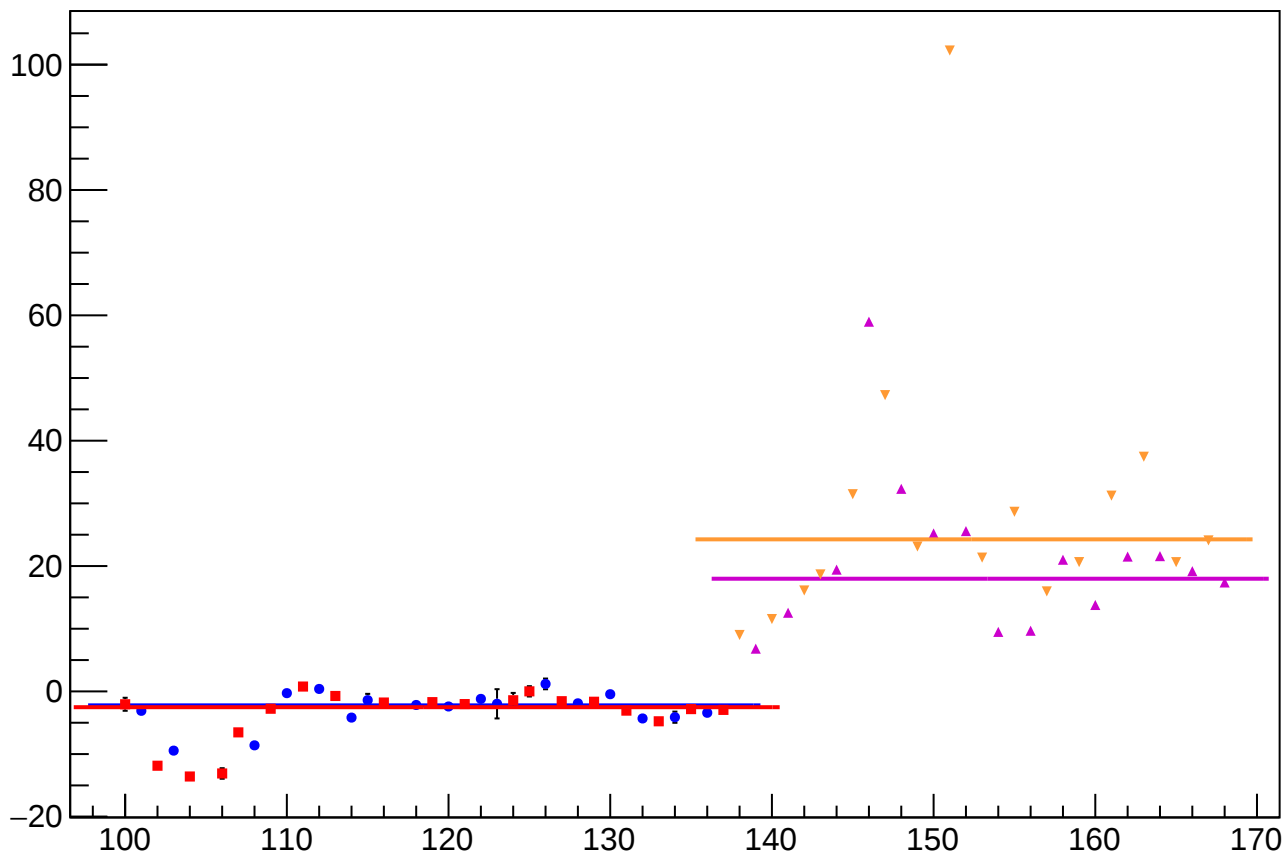
Left In: 1.587 $\pm$ 0.038 χ^2/NDF : 1846.0/14

+ sign 1.700 $\pm$ 0.037 χ^2/NDF : 2936.2/32

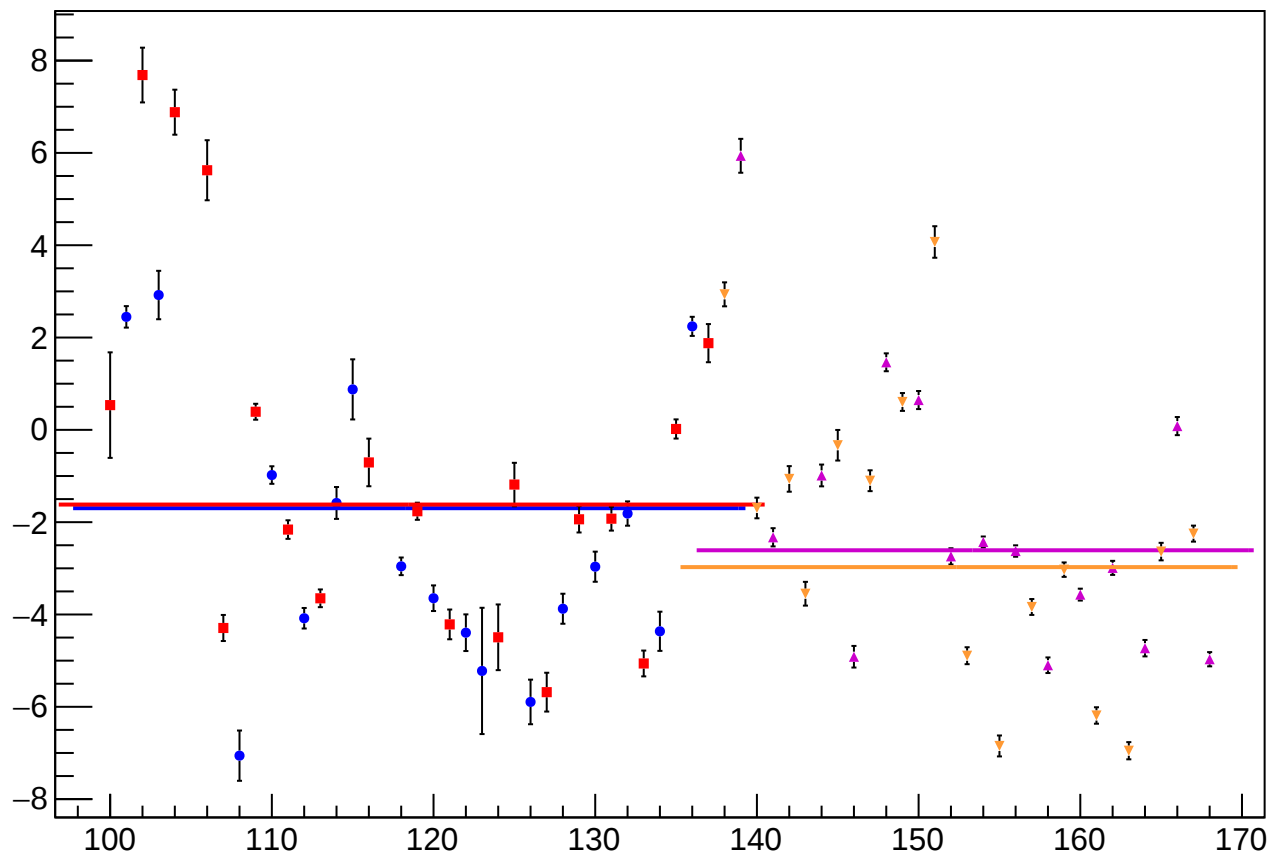
All: 1.556 $\pm$ 0.024 χ^2/NDF : 5801.2/66

- sign 1.447 $\pm$ 0.032 χ^2/NDF : 2837.9/33

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -2.974 ± 0.052 χ^2/NDF : 2730.5/15

Right Out: -1.618 ± 0.066 χ^2/NDF : 1489.2/18

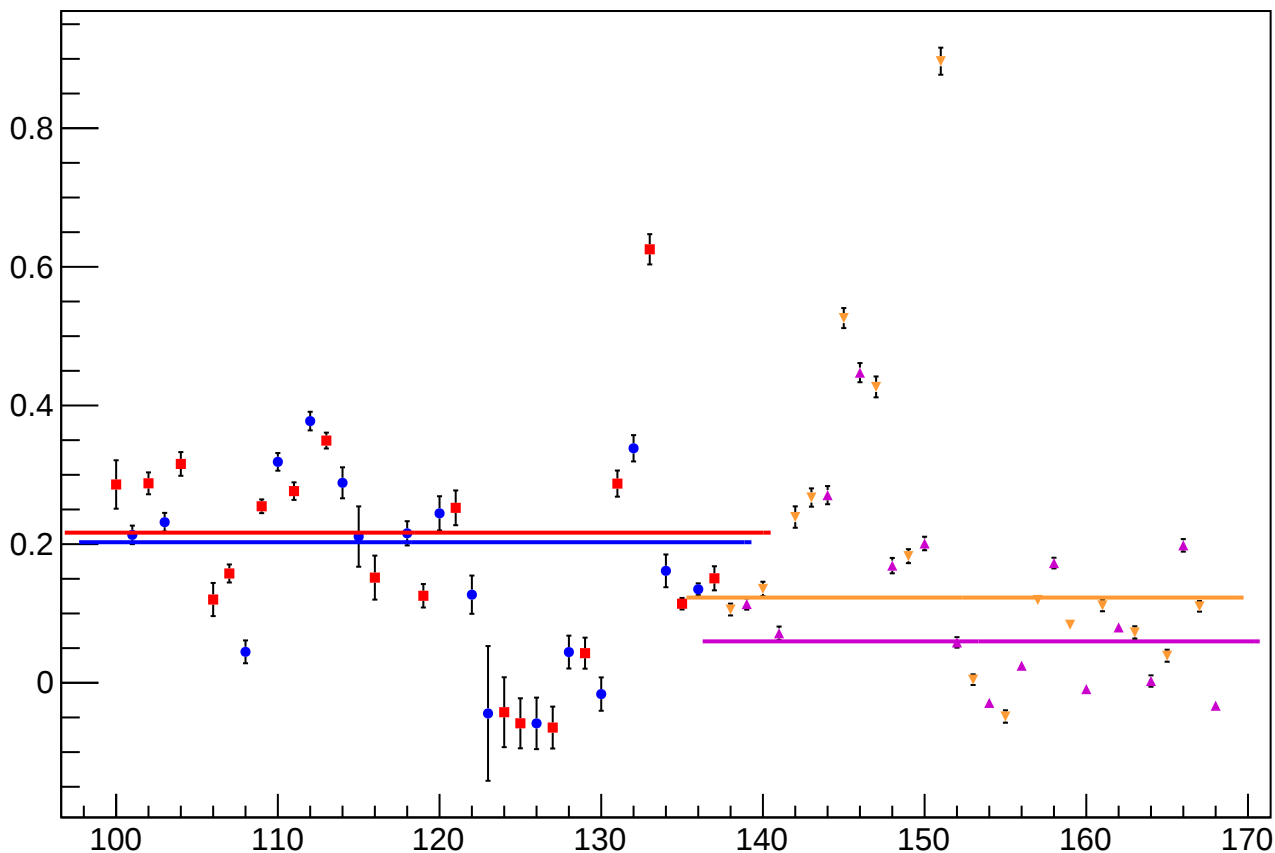
Left In: -2.609 ± 0.044 χ^2/NDF : 2251.8/14

+ sign -2.530 ± 0.042 χ^2/NDF : 4260.3/32

All: -2.402 ± 0.027 χ^2/NDF : 8175.8/66

- sign -2.307 ± 0.036 χ^2/NDF : 3899.1/33

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.123 ± 0.002 χ^2/NDF : 3734.7/15

Right Out: 0.217 ± 0.004 χ^2/NDF : 1064.4/18

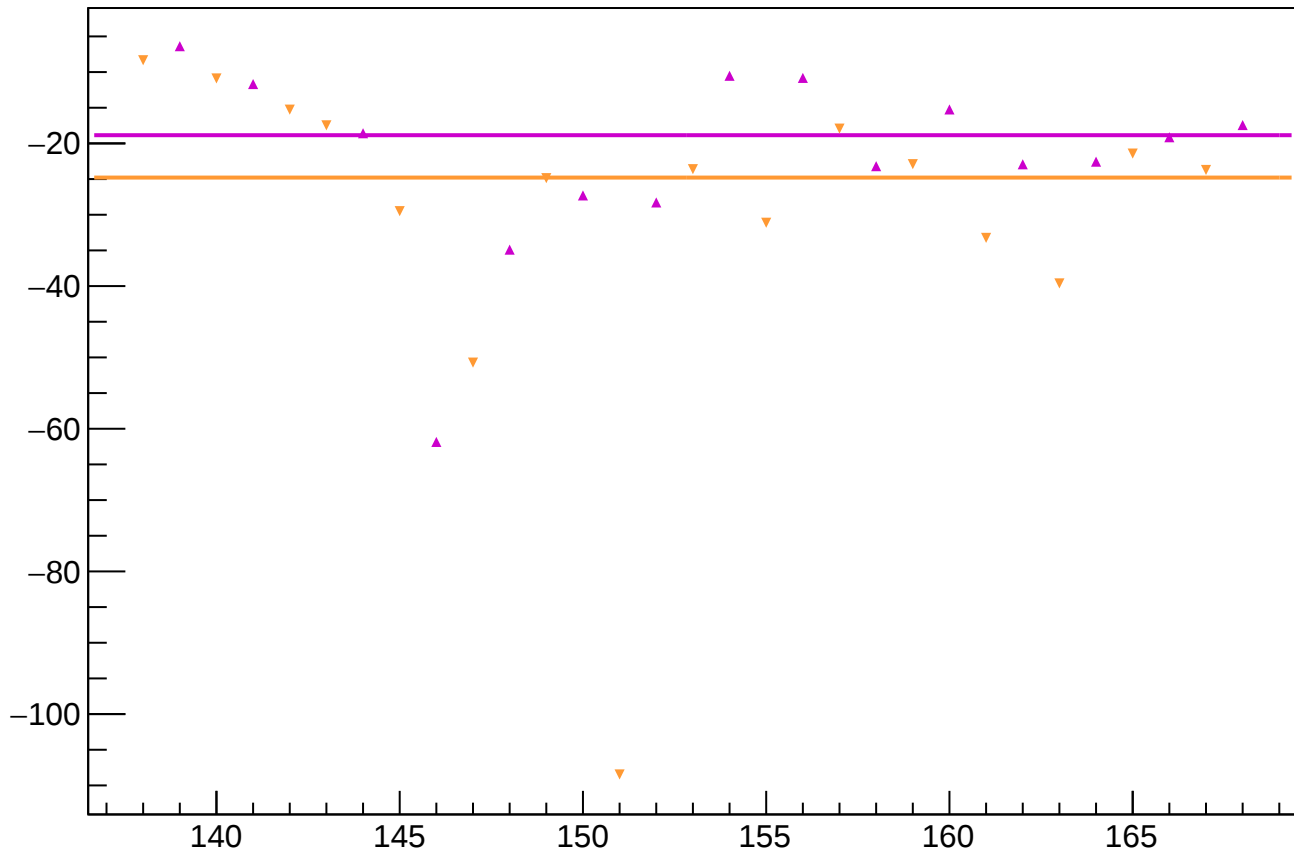
Left In: 0.060 ± 0.002 χ^2/NDF : 2650.5/14

+ sign 0.142 ± 0.002 χ^2/NDF : 4692.2/32

All: 0.113 ± 0.001 χ^2/NDF : 10184.1/66

- sign 0.092 ± 0.002 χ^2/NDF : 5138.5/33

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -24.789+/-0.061 χ^2/NDF : 56570.8/15

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

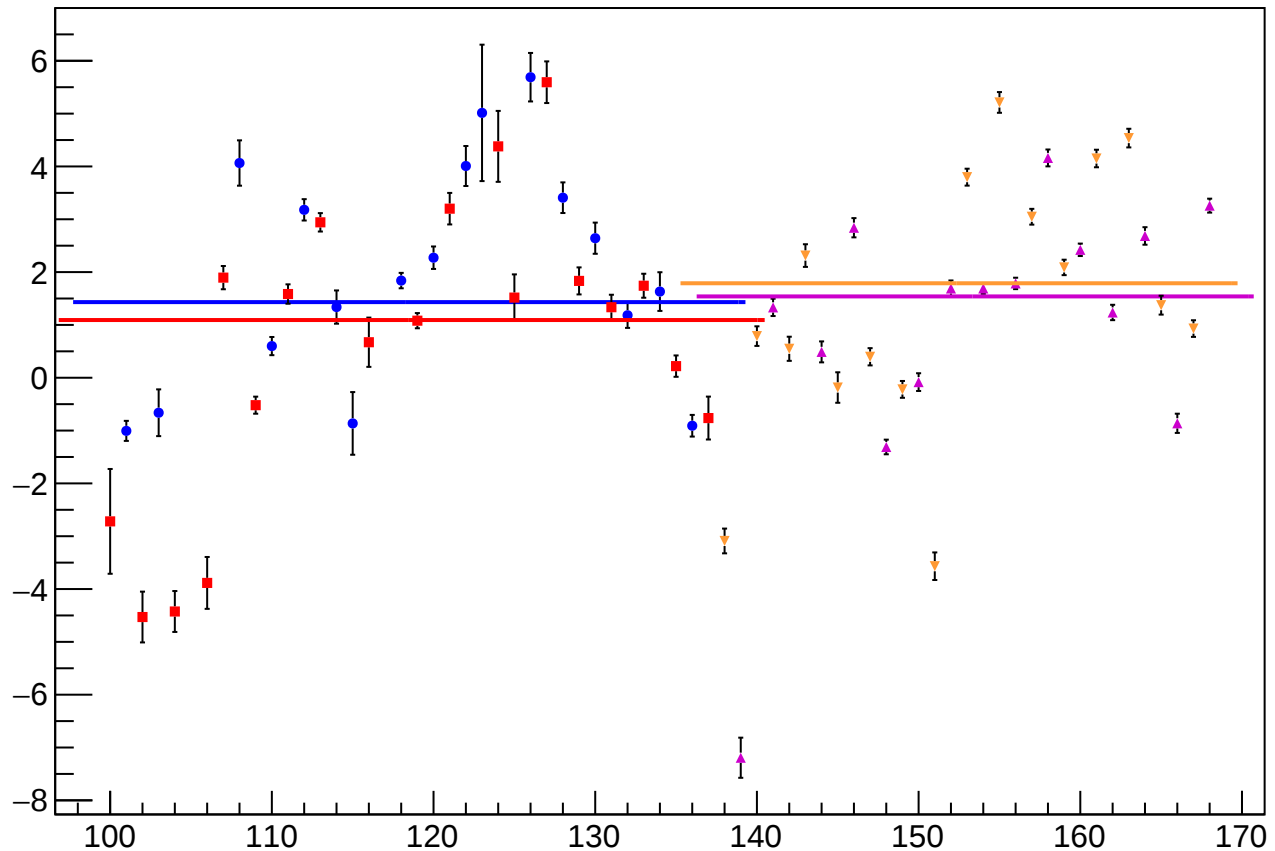
Left In: -18.849+/-0.052 χ^2/NDF : 37041.9/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.338+/-0.040 χ^2/NDF : 99085.9/30

- 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: 1.789 $\pm$ 0.045 χ^2/NDF : 2213.5/15

Right Out: 1.092 $\pm$ 0.058 χ^2/NDF : 953.2/18

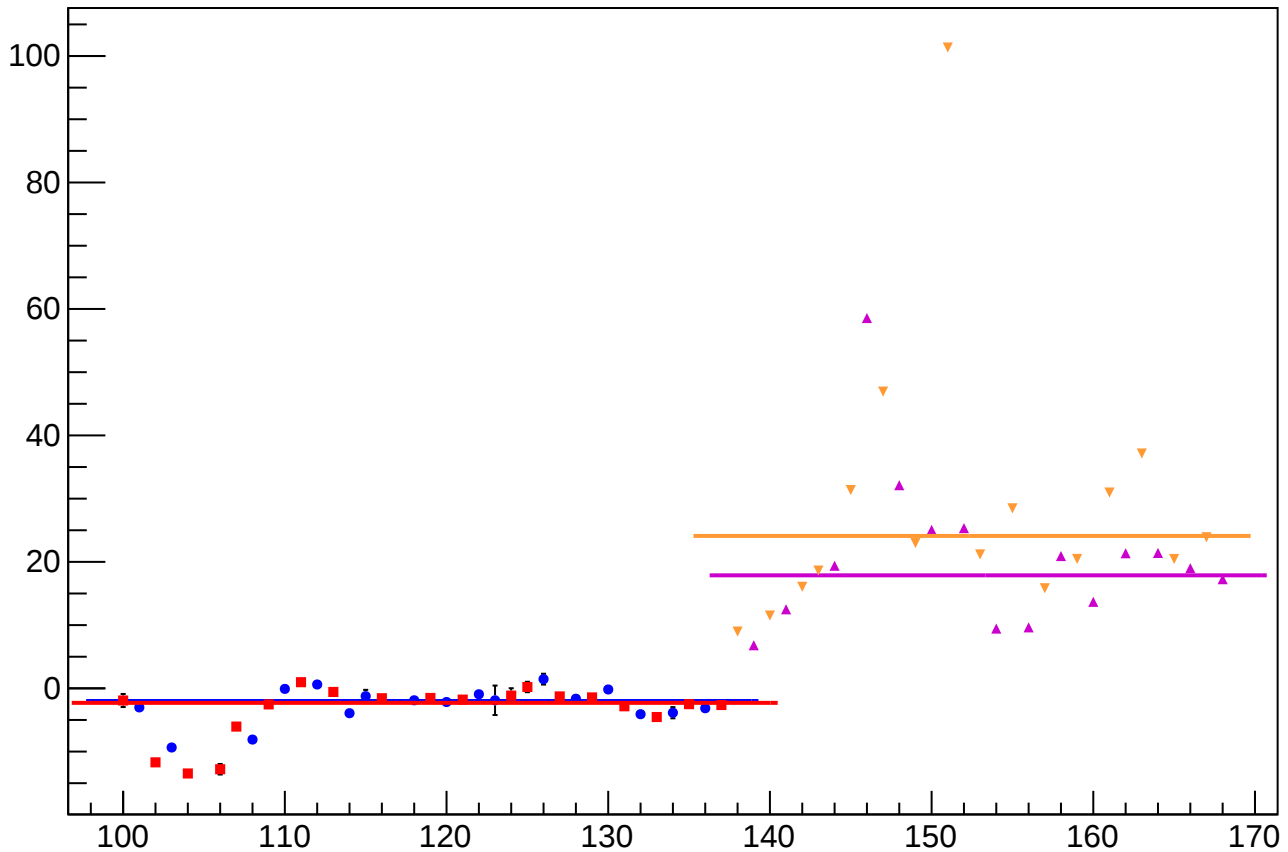
Left In: 1.540 $\pm$ 0.038 χ^2/NDF : 1855.0/14

+ sign 1.664 $\pm$ 0.036 χ^2/NDF : 2931.9/32

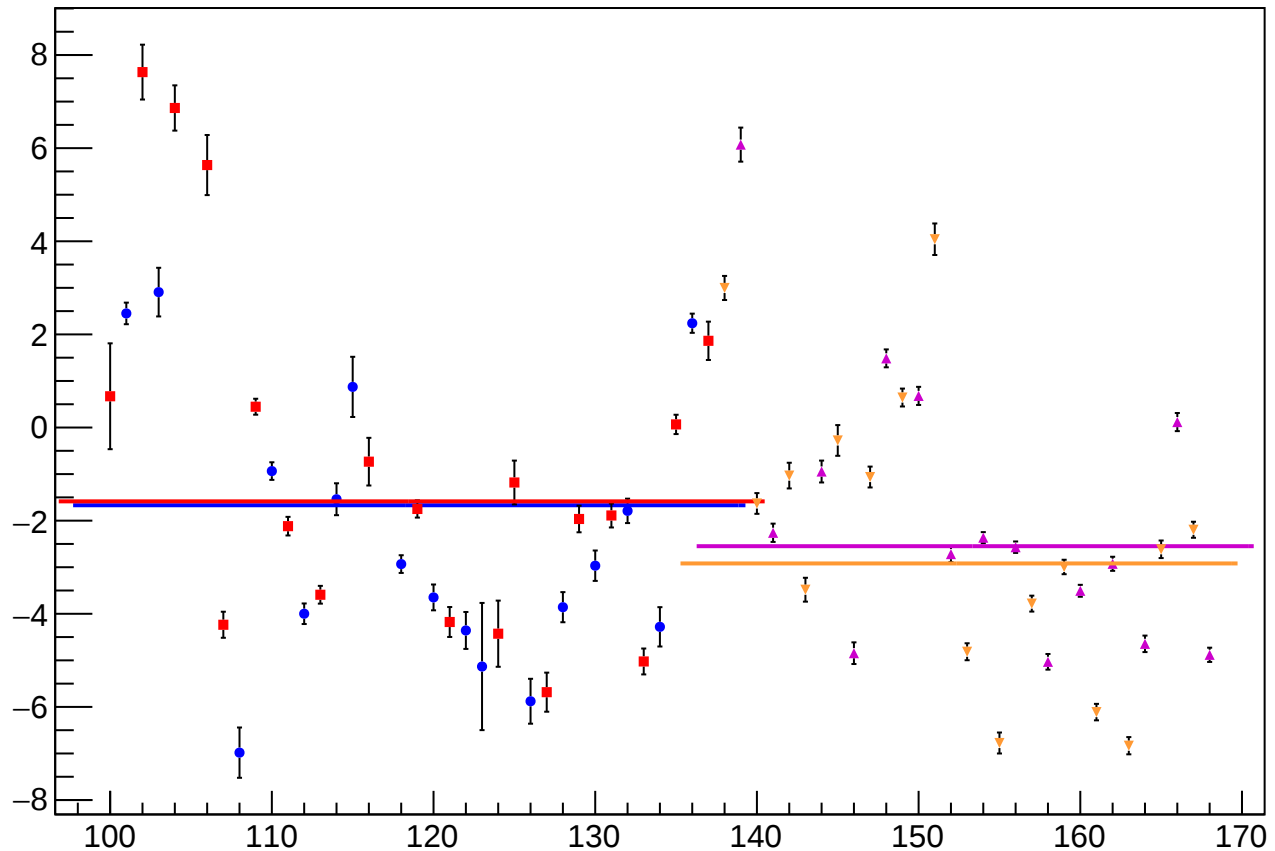
All: 1.516 $\pm$ 0.024 χ^2/NDF : 5810.4/66

- sign 1.405 $\pm$ 0.032 χ^2/NDF : 2849.9/33

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



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: -2.919 $\pm$ 0.052 χ^2/NDF : 2728.2/15

Right Out: -1.585 $\pm$ 0.065 χ^2/NDF : 1494.7/18

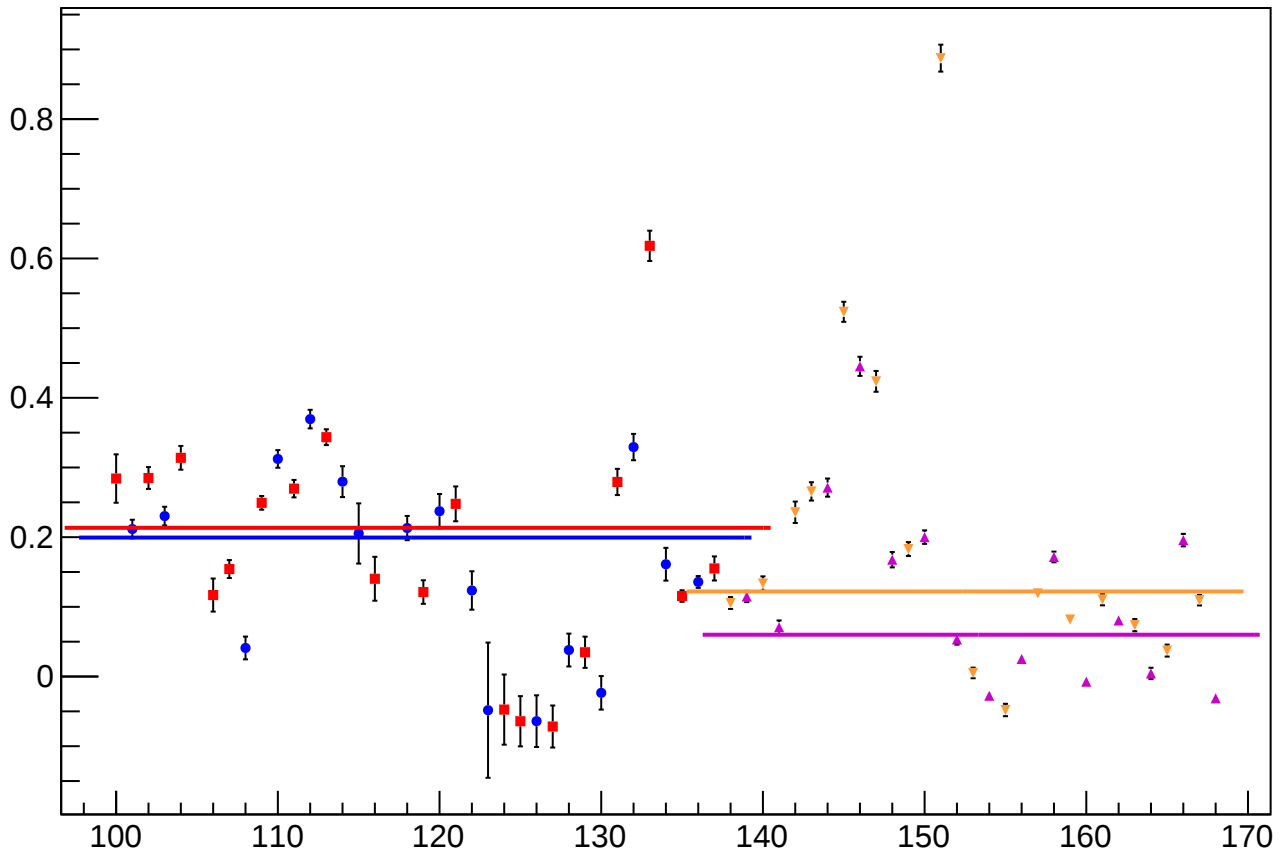
Left In: -2.548 $\pm$ 0.043 χ^2/NDF : 2261.5/14

+ sign -2.486 $\pm$ 0.042 χ^2/NDF : 4247.0/32

All: -2.354 $\pm$ 0.027 χ^2/NDF : 8171.7/66

- sign -2.255 $\pm$ 0.036 χ^2/NDF : 3907.2/33

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.122 ± 0.002 χ^2/NDF : 3729.6/15

Right Out: 0.213 ± 0.004 χ^2/NDF : 1048.2/18

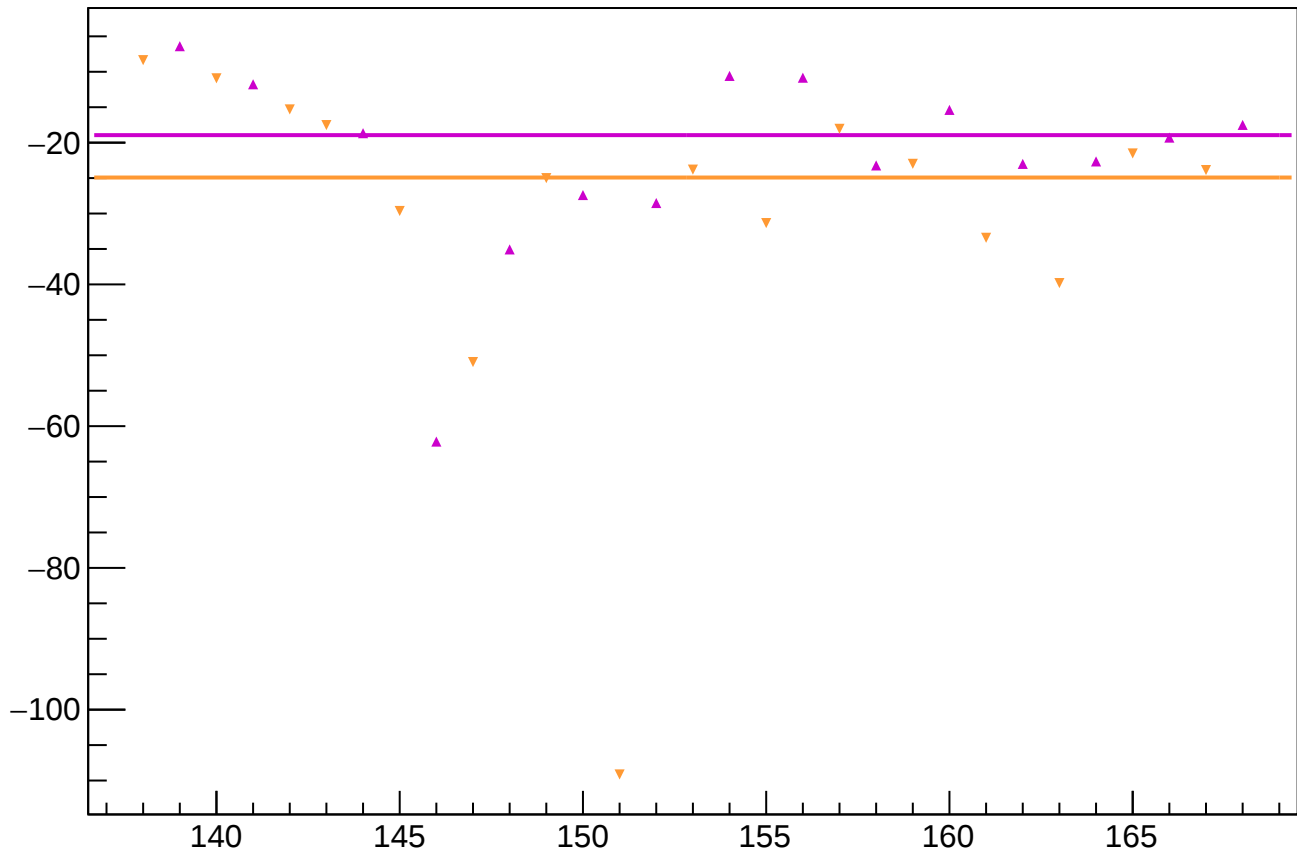
Left In: 0.060 ± 0.002 χ^2/NDF : 2632.1/14

+ sign 0.141 ± 0.002 χ^2/NDF : 4658.2/32

All: 0.112 ± 0.001 χ^2/NDF : 10059.1/66

- sign 0.092 ± 0.002 χ^2/NDF : 5057.2/33

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -24.920+/-0.061 χ^2/NDF : 56697.3/15

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

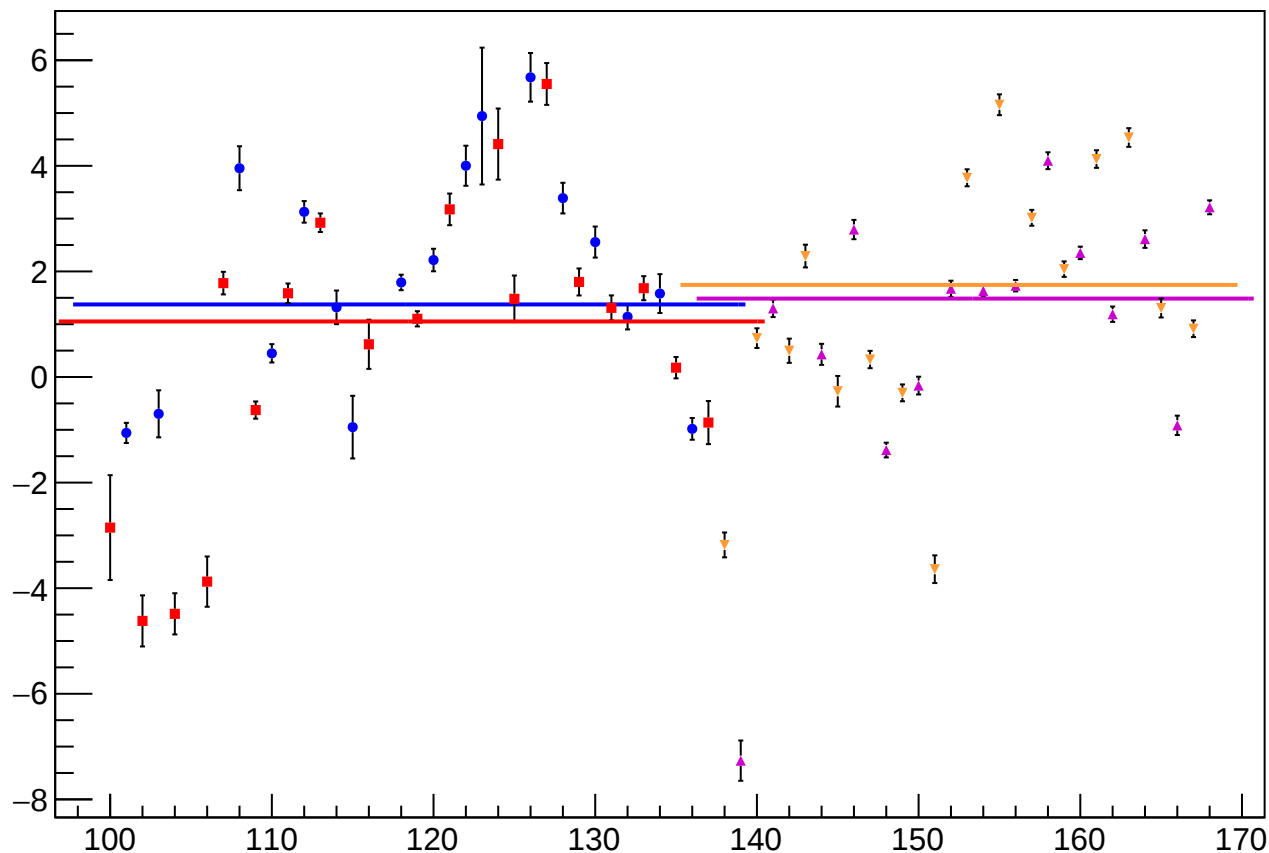
Left In: -18.939+/-0.052 χ^2/NDF : 37110.1/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.444+/-0.040 χ^2/NDF : 99311.2/30

- 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 $\pm$ 0.062 χ^2/NDF : 702.4/16

Left Out: 1.744 $\pm$ 0.045 χ^2/NDF :2230.2/15

Right Out: 1.052 $\pm$ 0.058 χ^2/NDF : 964.0/18

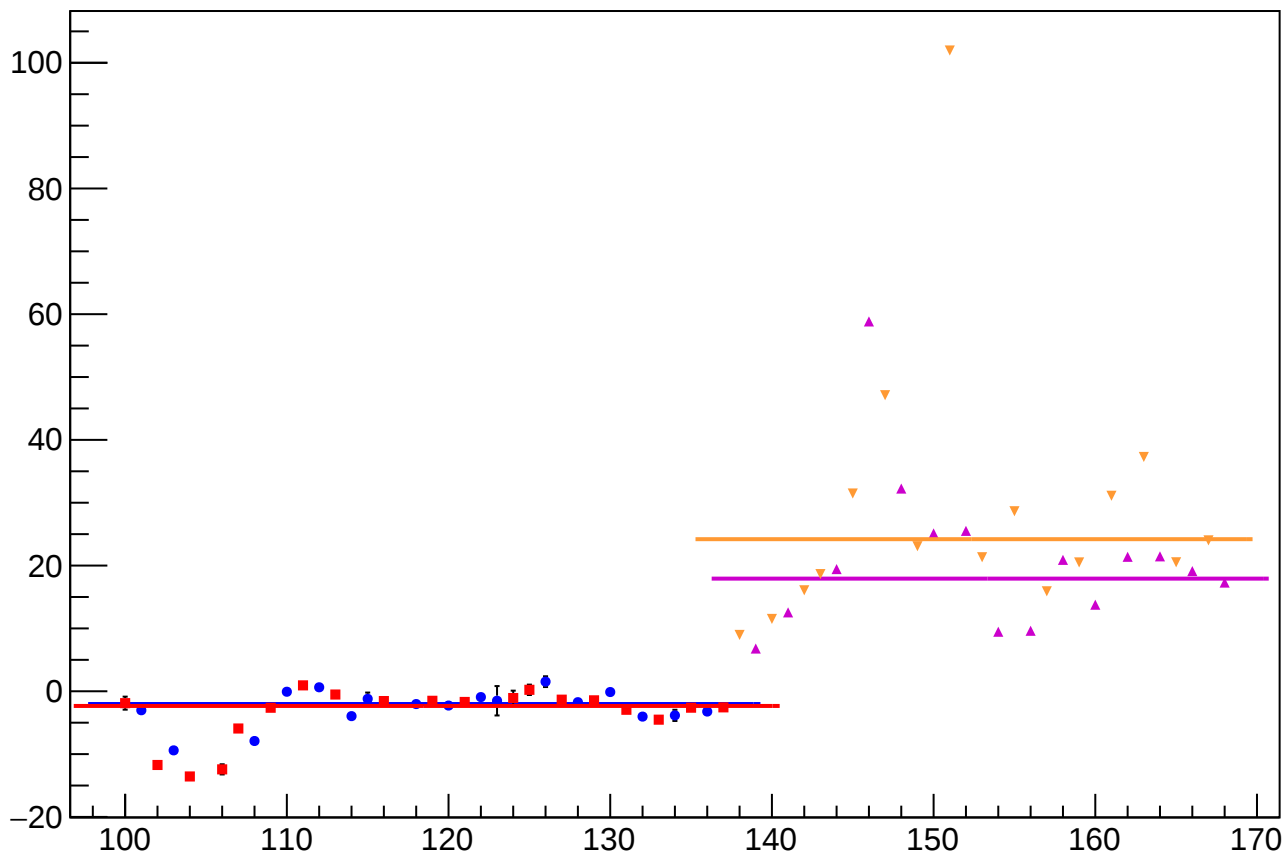
Left In: 1.486 $\pm$ 0.038 χ^2/NDF :1848.1/14

+ sign 1.615 $\pm$ 0.037 χ^2/NDF : 2955.8/32

All: 1.467 $\pm$ 0.024 χ^2/NDF : 5835.5/66

- sign 1.355 $\pm$ 0.032 χ^2/NDF : 2851.1/33

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 24.198 ± 0.060 χ^2/NDF : 50802.4/15

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

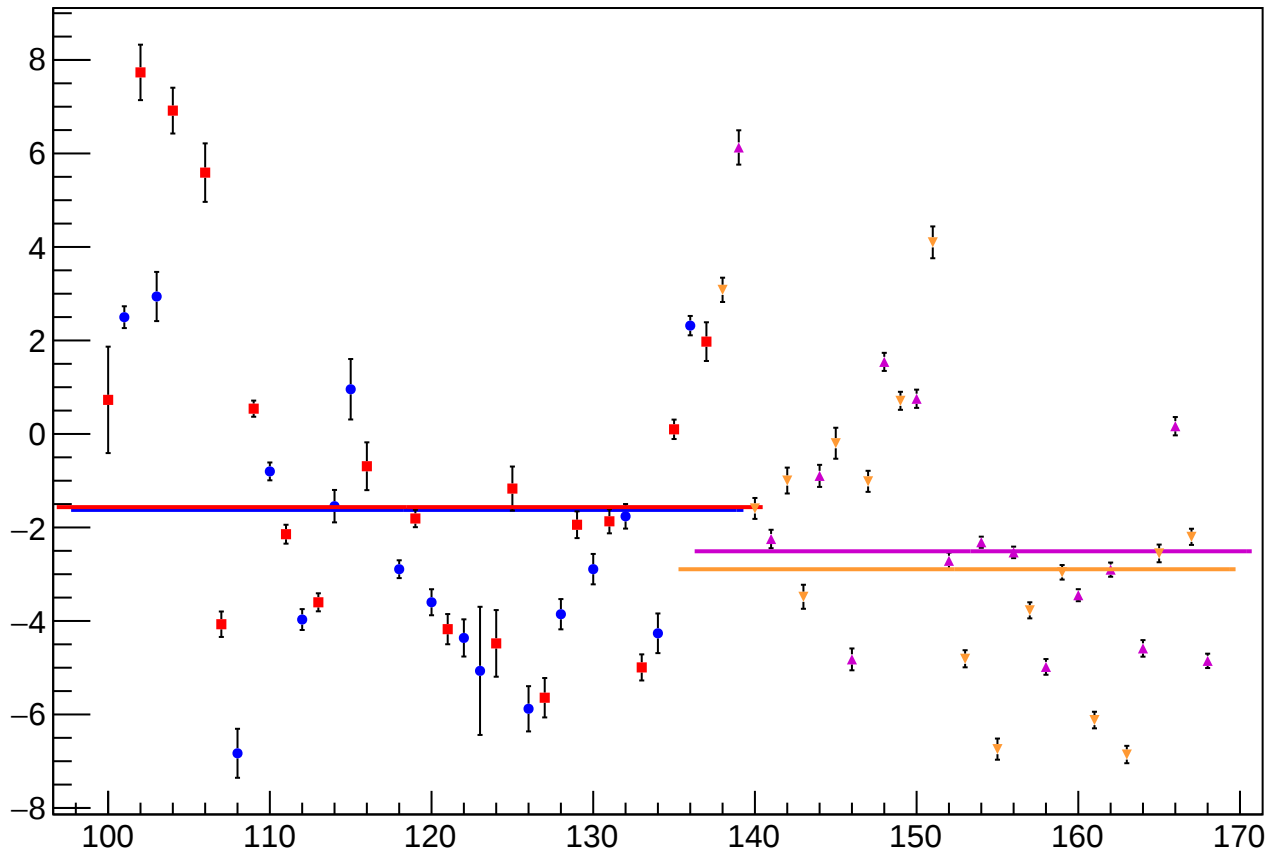
Left In: 17.923 ± 0.051 χ^2/NDF : 35167.9/14

+ sign 18.232 ± 0.053 χ^2/NDF : 94165.8/32

All: 15.614 ± 0.034 χ^2/NDF : 167670.5/66

- sign 13.732 ± 0.045 χ^2/NDF : 69324.2/33

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 $\chi^2/\text{NDF}: 1320.8/16$

Left Out: -2.894 ± 0.052 $\chi^2/\text{NDF}: 2751.8/15$

Right Out: -1.565 ± 0.066 $\chi^2/\text{NDF}: 1505.8/18$

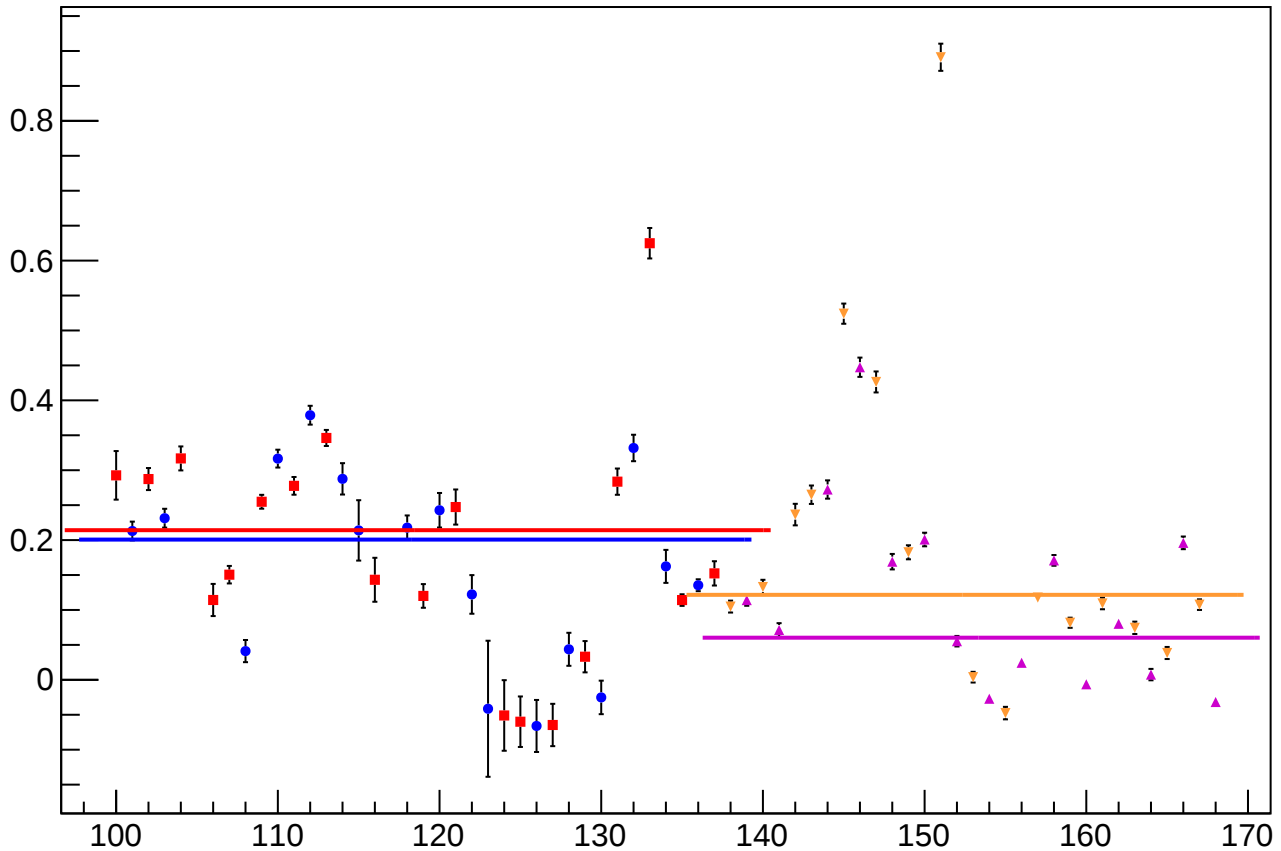
Left In: -2.510 ± 0.043 $\chi^2/\text{NDF}: 2255.0/14$

+ sign -2.455 ± 0.042 $\chi^2/\text{NDF}: 4280.9/32$

All: -2.321 ± 0.027 $\chi^2/\text{NDF}: 8203.6/66$

- sign -2.222 ± 0.036 $\chi^2/\text{NDF}: 3905.0/33$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.122 ± 0.002 χ^2/NDF : 3717.9/15

Right Out: 0.214 ± 0.004 χ^2/NDF : 1080.4/18

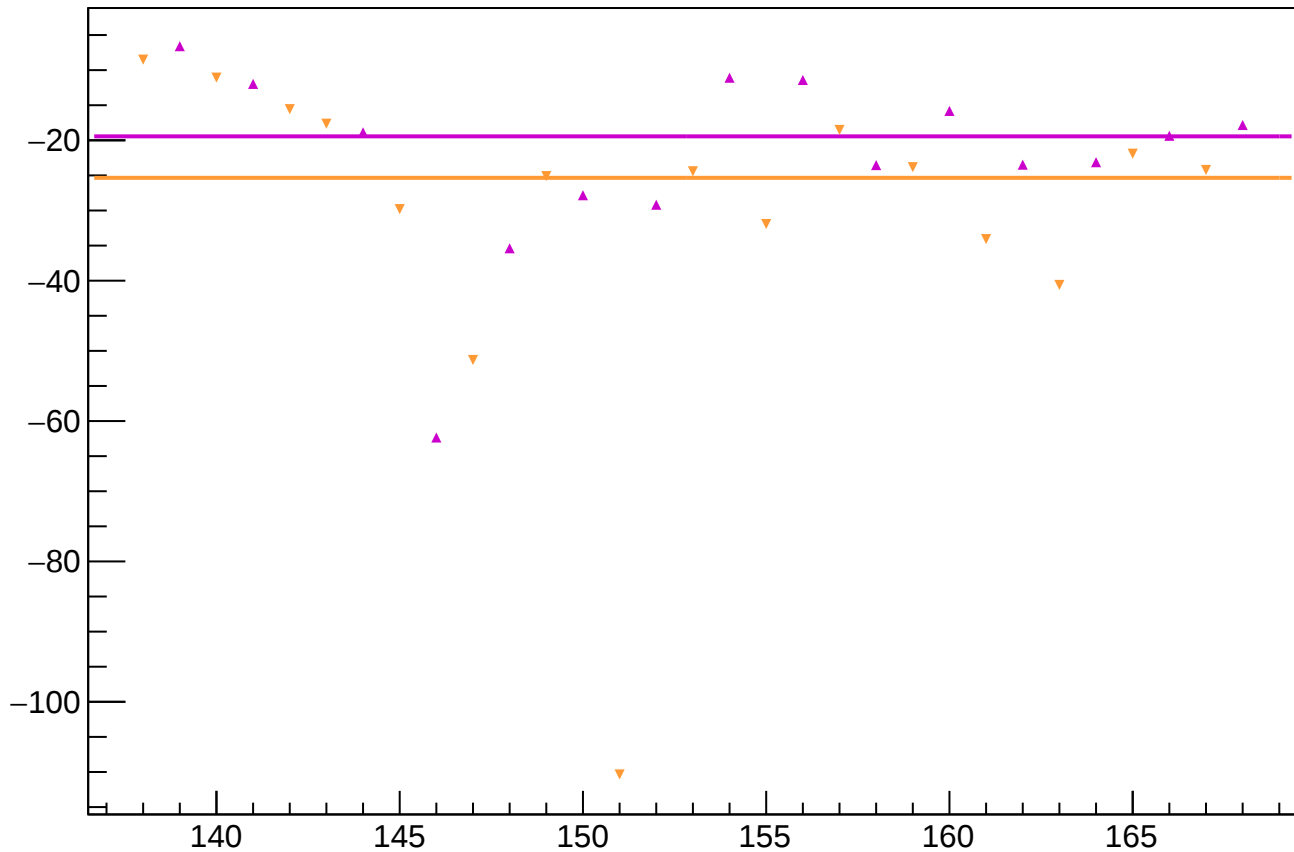
Left In: 0.060 ± 0.002 χ^2/NDF : 2617.5/14

+ sign 0.141 ± 0.002 χ^2/NDF : 4685.1/32

All: 0.112 ± 0.001 χ^2/NDF : 10095.8/66

- sign 0.092 ± 0.002 χ^2/NDF : 5076.5/33

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -25.344+/-0.063 χ^2/NDF : 56623.9/15

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

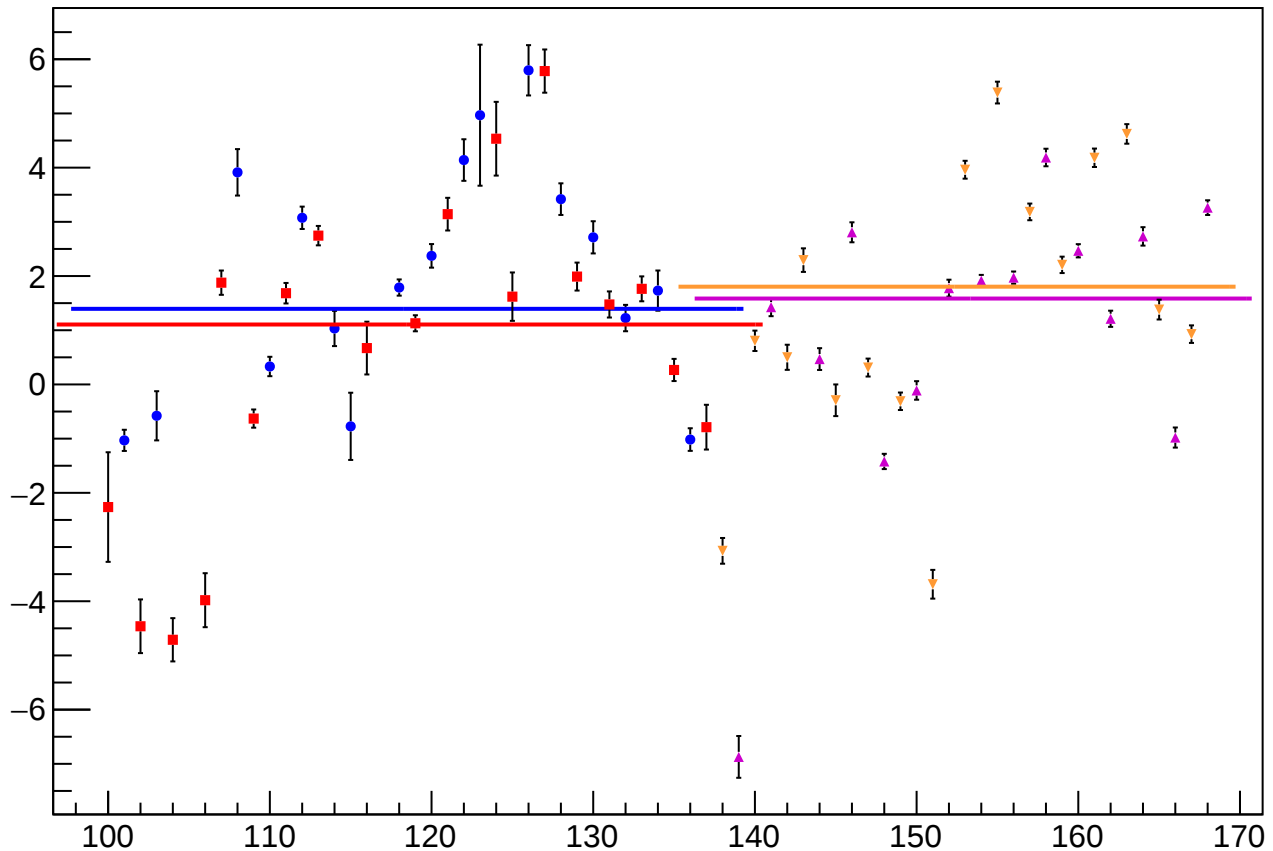
Left In: -19.435+/-0.053 χ^2/NDF : 35976.2/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.928+/-0.041 χ^2/NDF : 97760.7/30

- 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: 1.804 $\pm$ 0.046 χ^2/NDF : 2270.5/15

Right Out: 1.106 $\pm$ 0.059 χ^2/NDF : 937.0/18

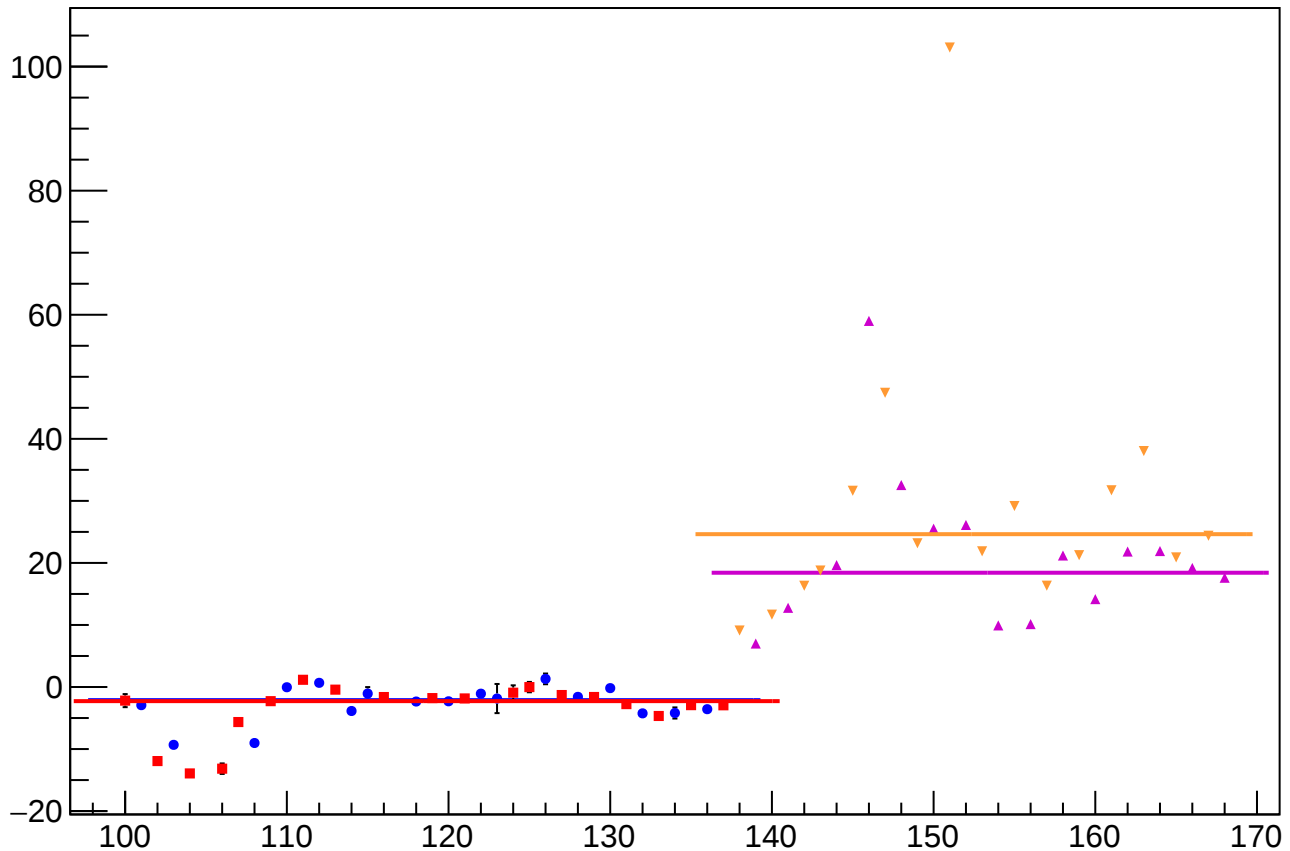
Left In: 1.585 $\pm$ 0.039 χ^2/NDF : 1839.5/14

+ sign 1.661 $\pm$ 0.037 χ^2/NDF : 2999.2/32

All: 1.535 $\pm$ 0.025 χ^2/NDF : 5841.2/66

- sign 1.439 $\pm$ 0.033 χ^2/NDF : 2822.0/33

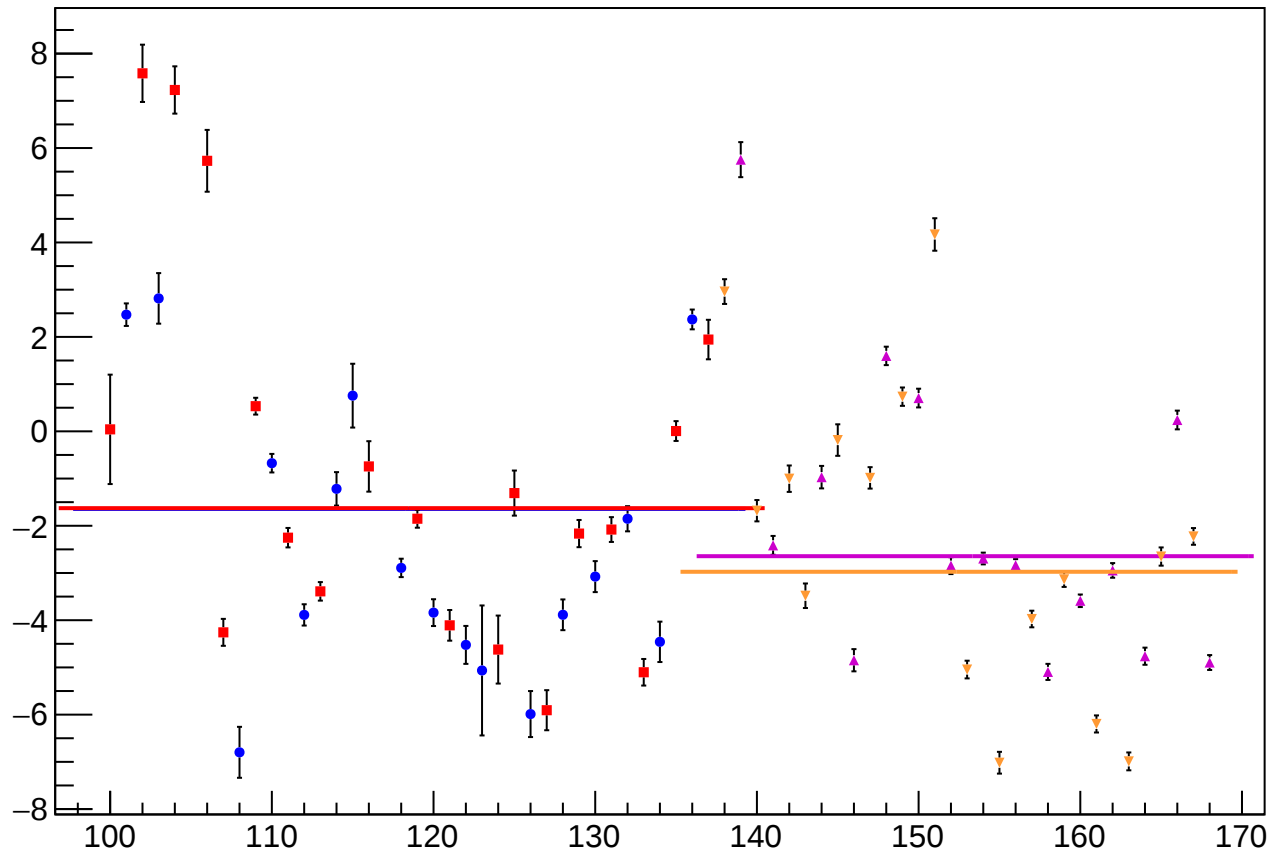
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 +/- 0.113 χ^2/NDF : 486.3/16
 Left Out: 24.634 +/- 0.061 χ^2/NDF : 50582.2/15
 Right Out: -2.277 +/- 0.101 χ^2/NDF : 919.4/18
 Left In: 18.419 +/- 0.052 χ^2/NDF : 33915.0/14

+ sign 18.546 +/- 0.054 χ^2/NDF : 94137.3/32
 All: 15.980 +/- 0.035 χ^2/NDF : 166095.6/66
 - sign 14.114 +/- 0.046 χ^2/NDF : 68064.9/33

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 χ^2/NDF : 1310.1/16

Left Out: -2.974 ± 0.053 χ^2/NDF : 2791.5/15

Right Out: -1.627 ± 0.067 χ^2/NDF : 1468.1/18

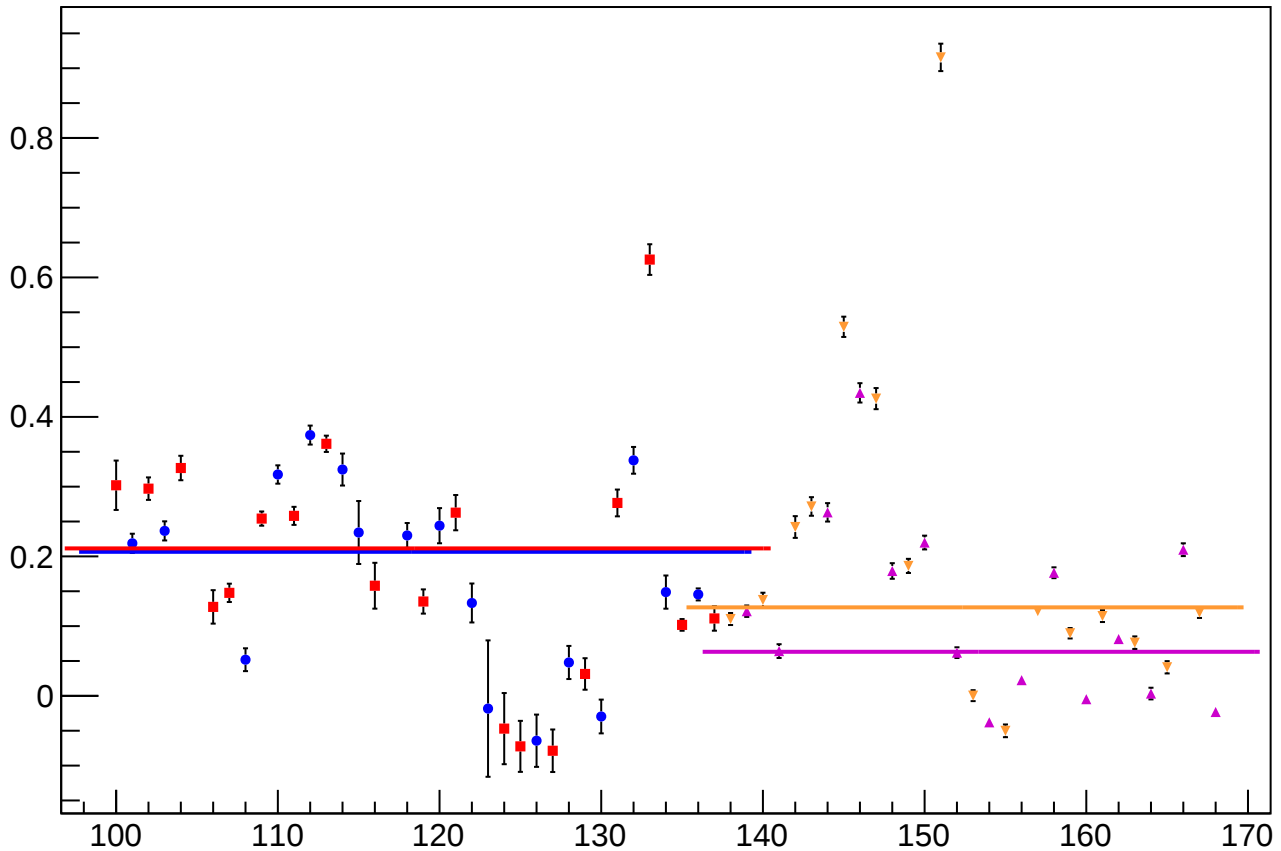
Left In: -2.644 ± 0.044 χ^2/NDF : 2223.9/14

+ sign -2.513 ± 0.043 χ^2/NDF : 4322.8/32

All: -2.410 ± 0.028 χ^2/NDF : 8185.2/66

- sign -2.333 ± 0.037 χ^2/NDF : 3852.1/33

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: 0.127 $\pm$ 0.002 χ^2/NDF : 3765.7/15

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18

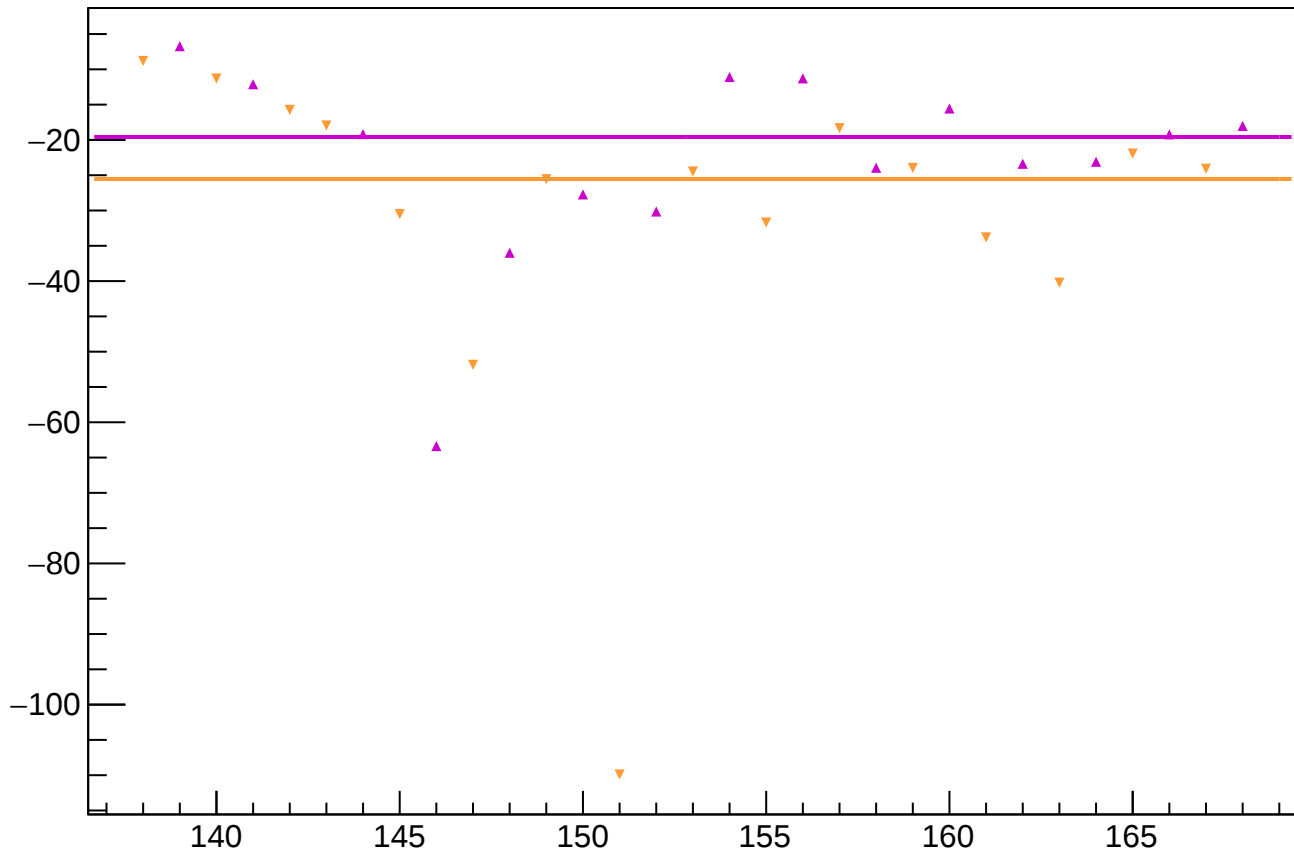
Left In: 0.063 $\pm$ 0.002 χ^2/NDF : 2653.6/14

+ sign 0.146 $\pm$ 0.002 χ^2/NDF : 4691.7/32

All: 0.116 $\pm$ 0.001 χ^2/NDF : 10084.6/66

- sign 0.094 $\pm$ 0.002 χ^2/NDF : 5024.8/33

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -25.534+/-0.063 χ^2/NDF : 55406.7/15

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

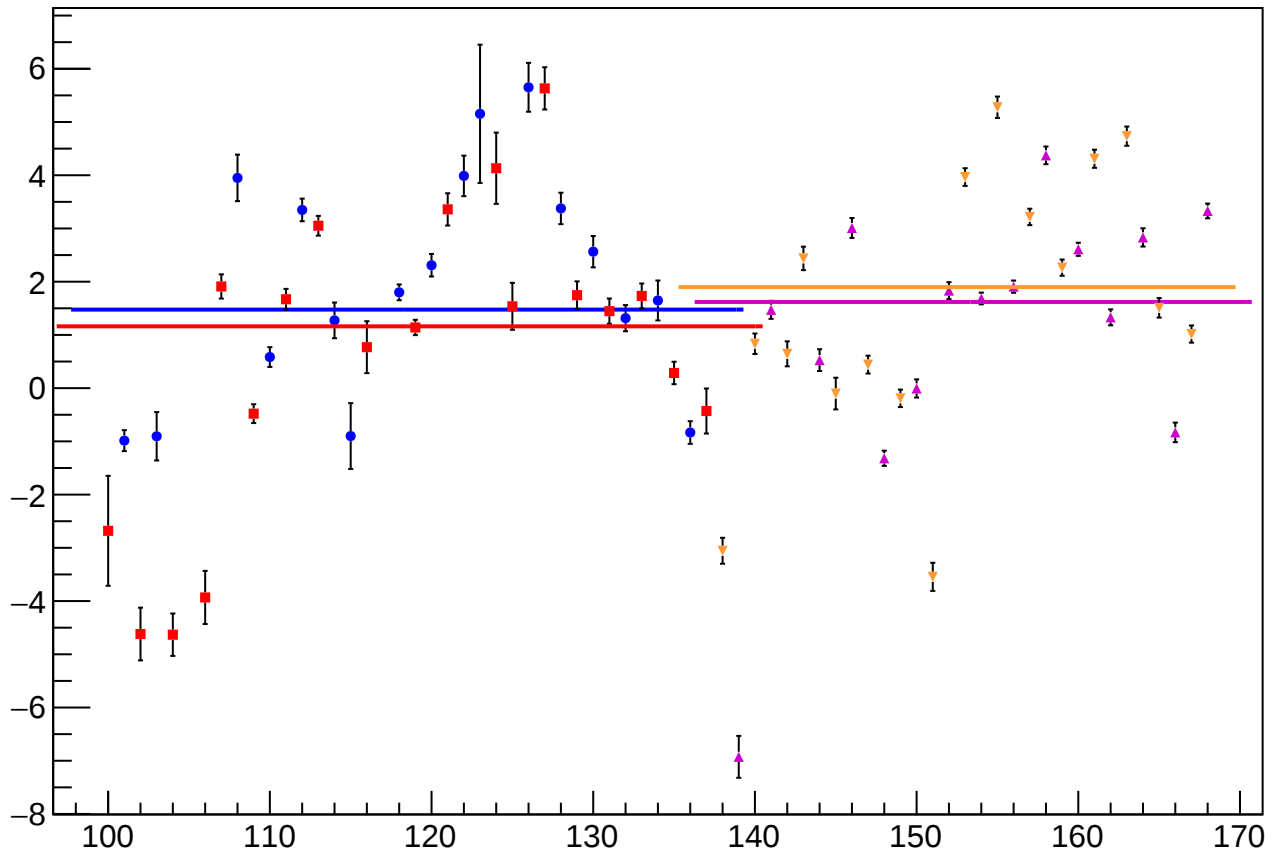
Left In: -19.581+/-0.054 χ^2/NDF : 36281.5/14

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -22.105+/-0.041 χ^2/NDF : 96812.5/30

- sign 0.000+/-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: 1.899 $\pm$ 0.047 χ^2/NDF :2183.0/15

Right Out: 1.161 $\pm$ 0.060 χ^2/NDF : 917.9/18

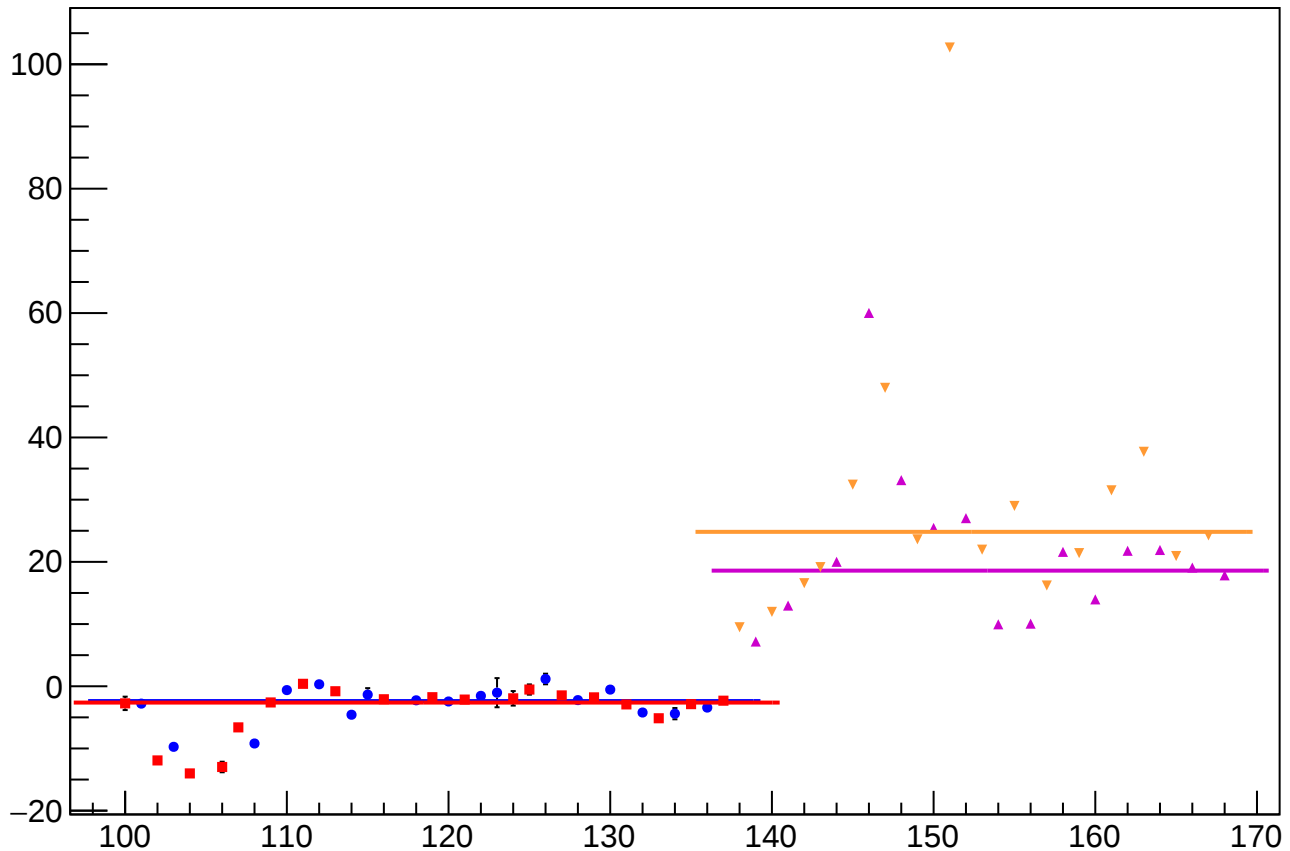
Left In: 1.620 $\pm$ 0.040 χ^2/NDF :1800.0/14

+ sign 1.751 $\pm$ 0.038 χ^2/NDF : 2871.4/32

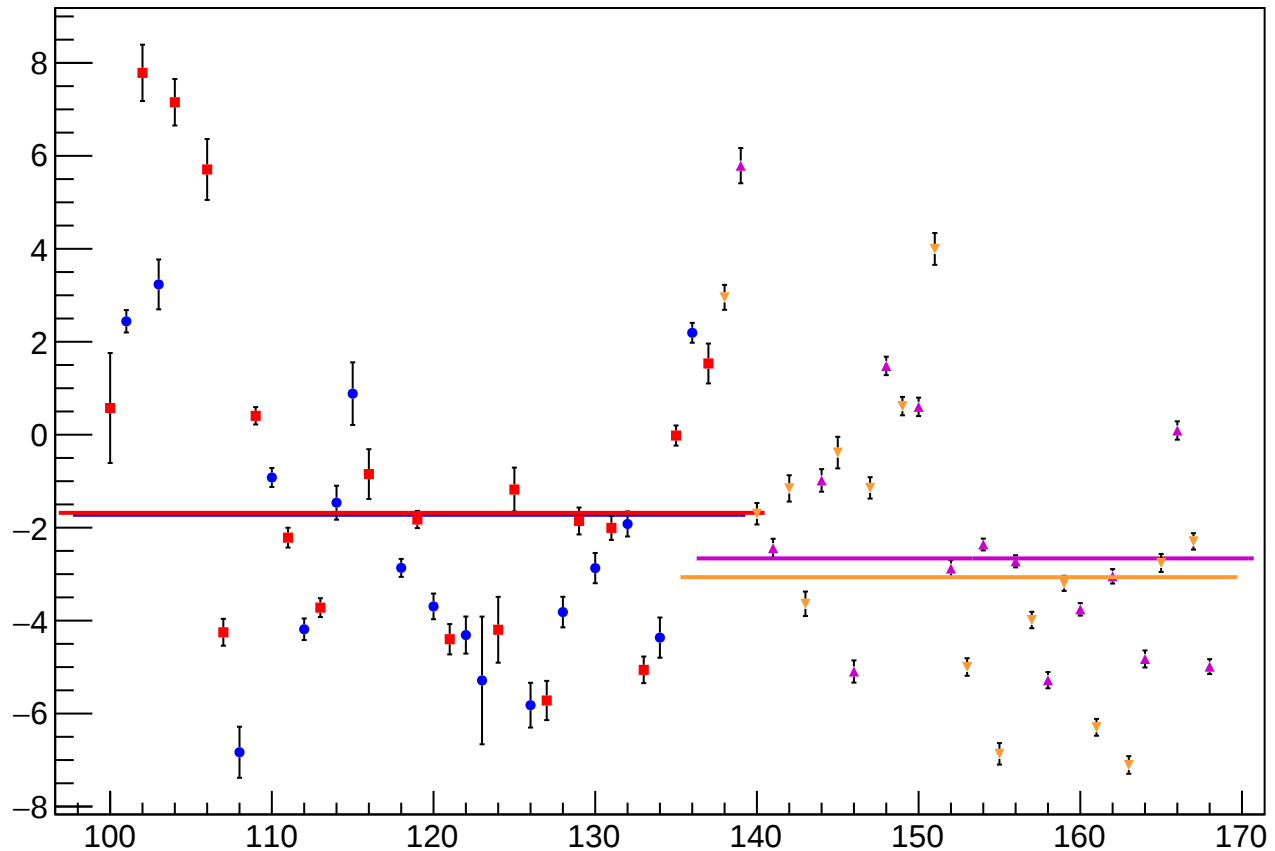
All: 1.598 $\pm$ 0.025 χ^2/NDF : 5659.2/66

- sign 1.480 $\pm$ 0.033 χ^2/NDF : 2758.6/33

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722±/0.073 χ^2/NDF : 1247.6/16

Left Out: -3.065±/0.053 χ^2/NDF : 2686.4/15

Right Out: -1.681±/0.068 χ^2/NDF : 1431.0/18

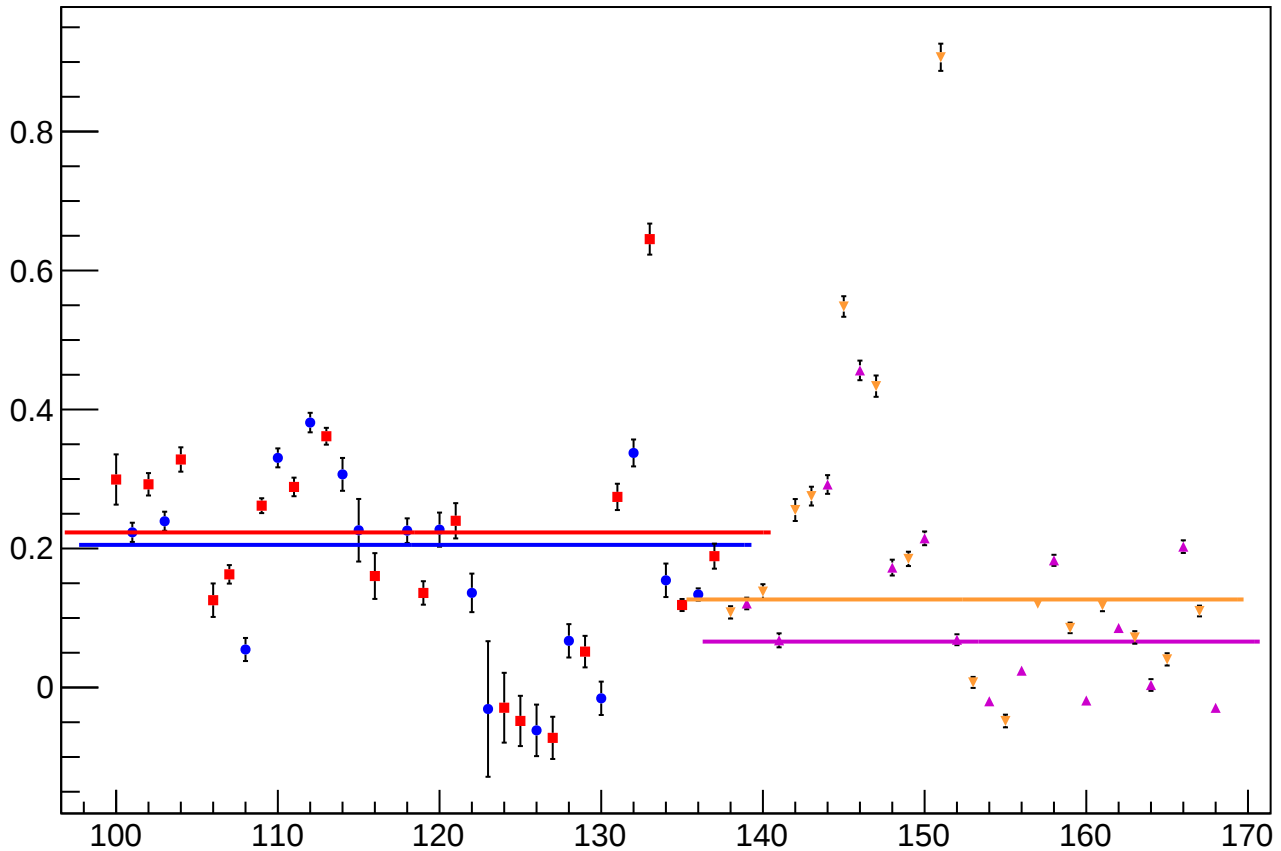
Left In: -2.661±/0.045 χ^2/NDF : 2206.8/14

+ sign -2.602±/0.043 χ^2/NDF : 4154.8/32

All: -2.465±/0.028 χ^2/NDF : 7954.9/66

- sign -2.361±/0.038 χ^2/NDF : 3782.4/33

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.127 ± 0.002 χ^2/NDF : 3785.2/15

Right Out: 0.223 ± 0.004 χ^2/NDF : 1040.5/18

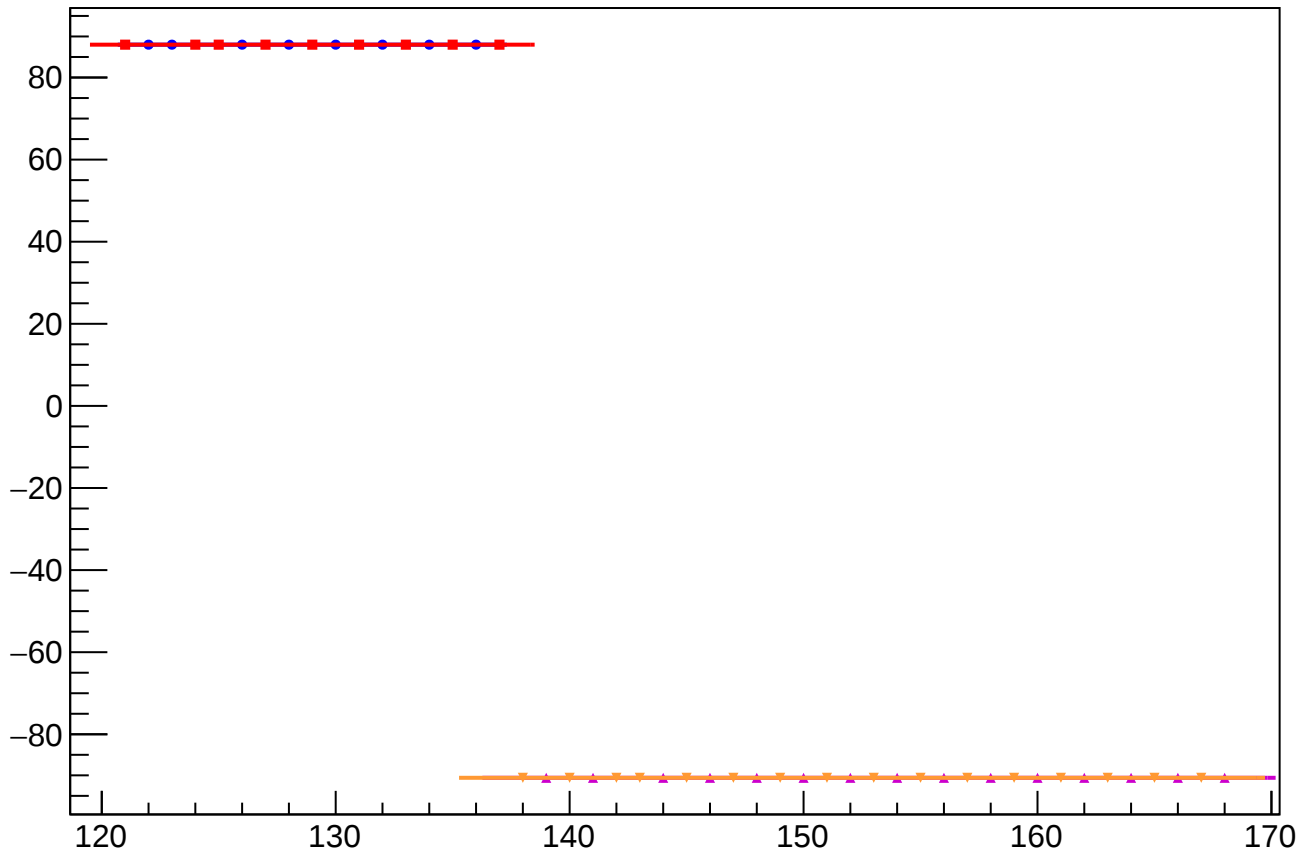
Left In: 0.066 ± 0.002 χ^2/NDF : 2662.1/14

+ sign 0.145 ± 0.002 χ^2/NDF : 4692.9/32

All: 0.118 ± 0.001 χ^2/NDF : 10012.3/66

- sign 0.099 ± 0.002 χ^2/NDF : 5027.0/33

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 5186438.6/15

Right Out: 88.001+/-0.000 χ^2/NDF : 109456.0/8

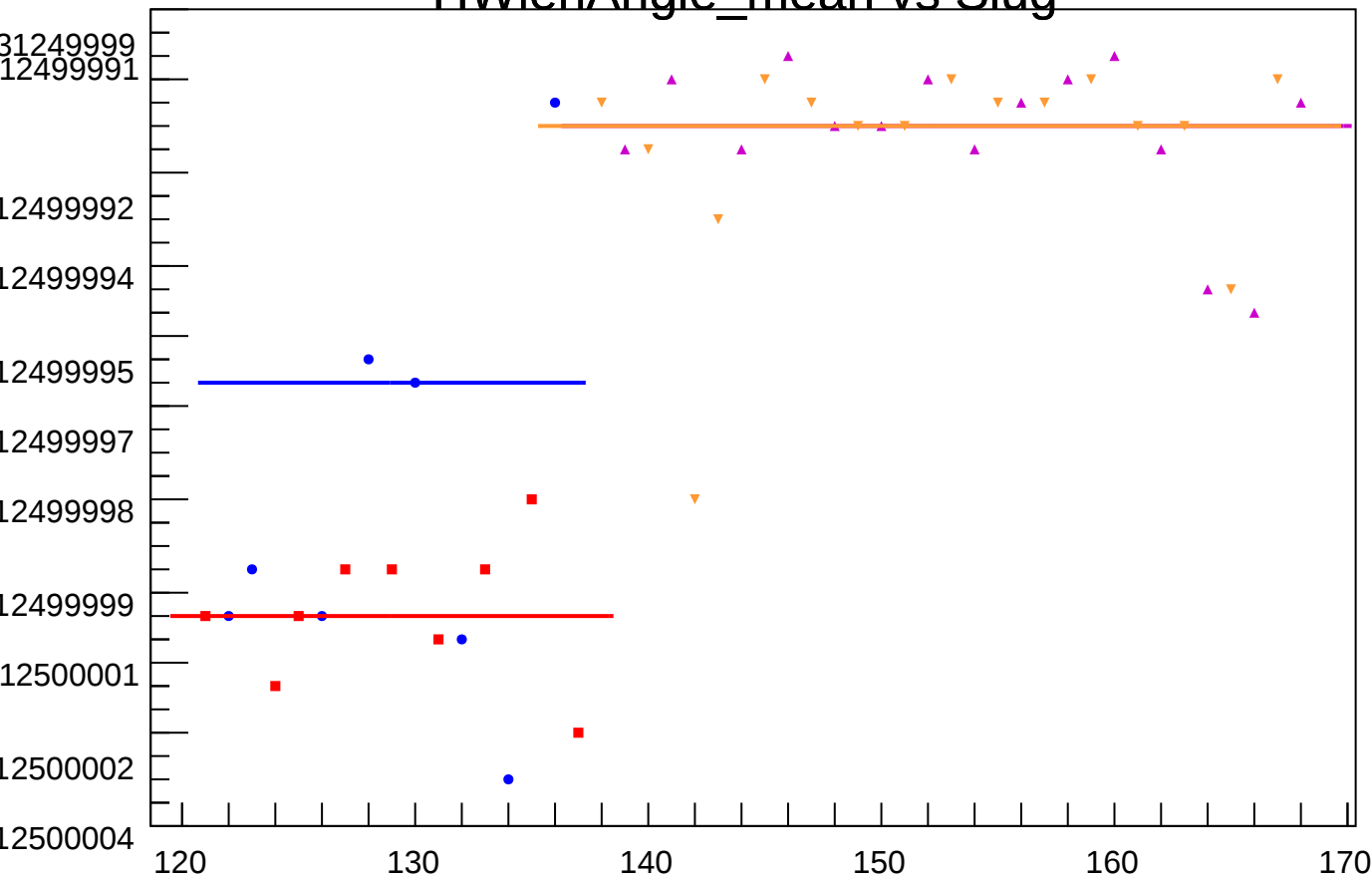
Left In: -90.599+/-0.000 χ^2/NDF : 4880890.7/14

+ sign -51.867+/-0.000 χ^2/NDF : 854327290120481

All: -52.591+/-0.000 χ^2/NDF : 165974657321

- sign -53.337+/-0.000 χ^2/NDF : 805251378705034

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 :222383.0/15

Right Out: -29.641+/-0.000 χ^2/NDF : 29358.2/8

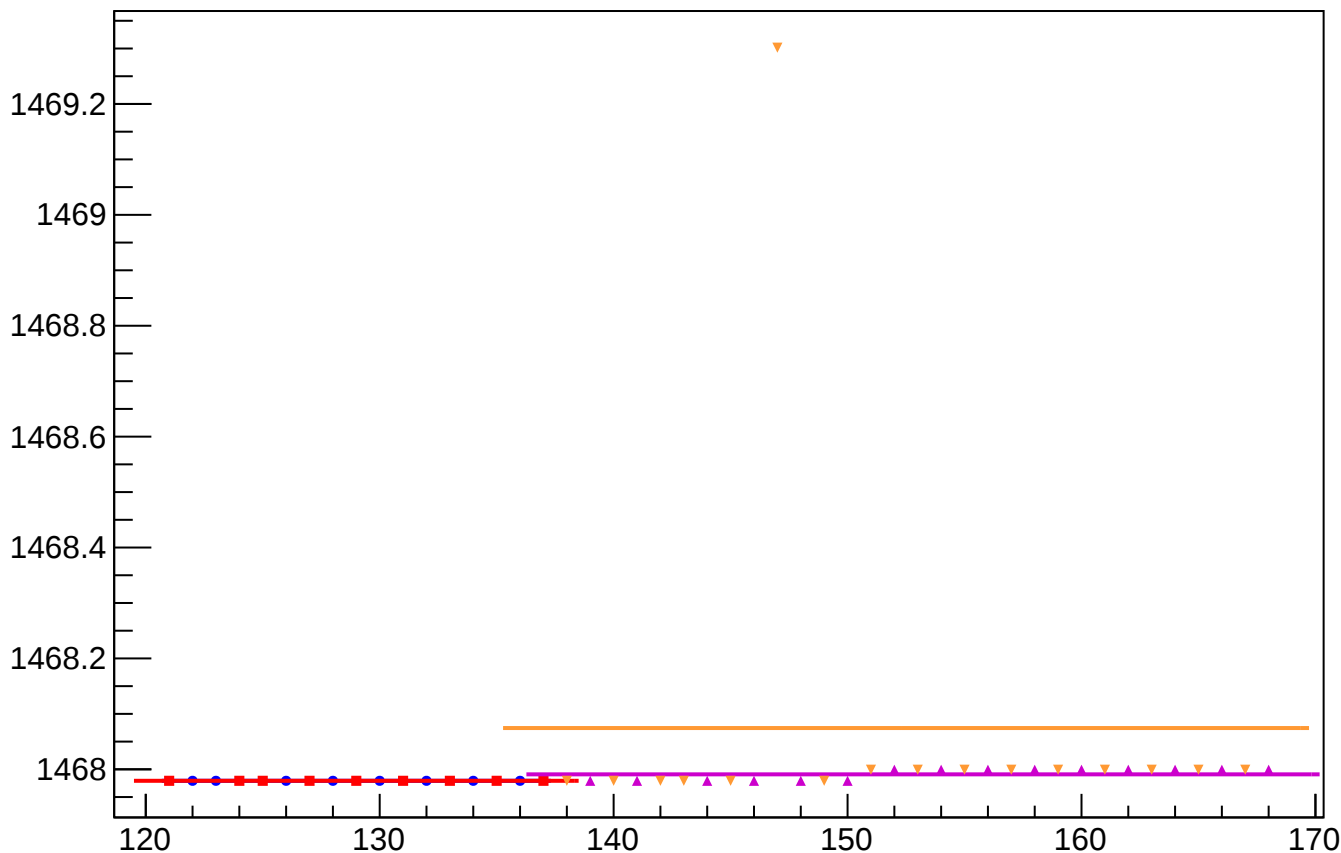
Left In: -29.641+/-0.000 χ^2/NDF :123239.0/14

+ sign -29.641+/-0.000 χ^2/NDF : 1129371.1/23

All: -29.641+/-0.000 χ^2/NDF : 3060111.4/47

- sign -29.641+/-0.000 χ^2/NDF : 1617707.6/23

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.074+/-0.000 χ^2/NDF : 125470203394978018145790261723136.0/15

Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8

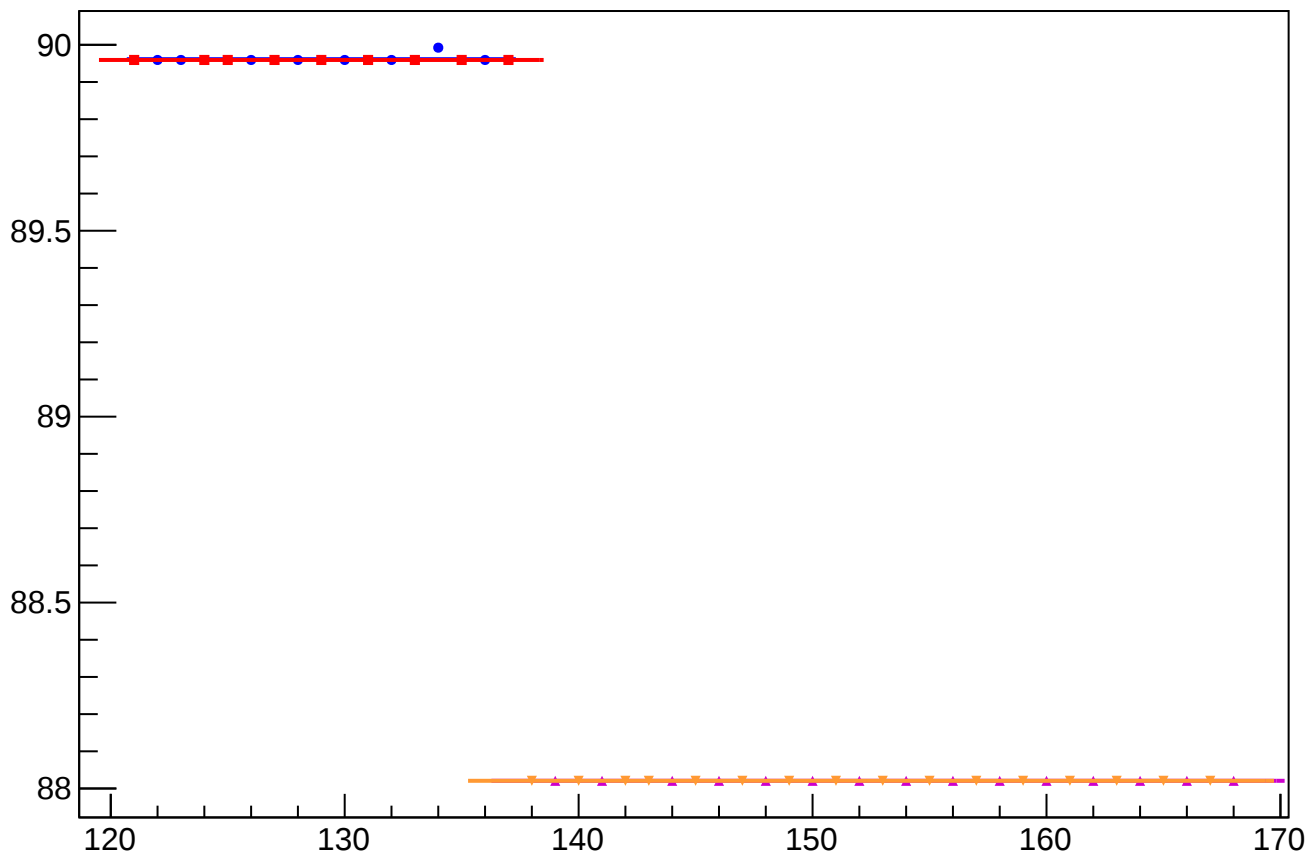
Left In: 1467.991+/-0.000 χ^2/NDF : 117759999974497472880643670016.0/14

+ sign 1468.054+/-0.000 χ^2/NDF : 12789513252843

All: 1468.022+/-0.000 χ^2/NDF : 13135817656

- sign 1467.989+/-0.000 χ^2/NDF : 15194244599797

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 : 4828989.9/15

Right Out: 89.959+/-0.000 χ^2/NDF : 331397.3/8

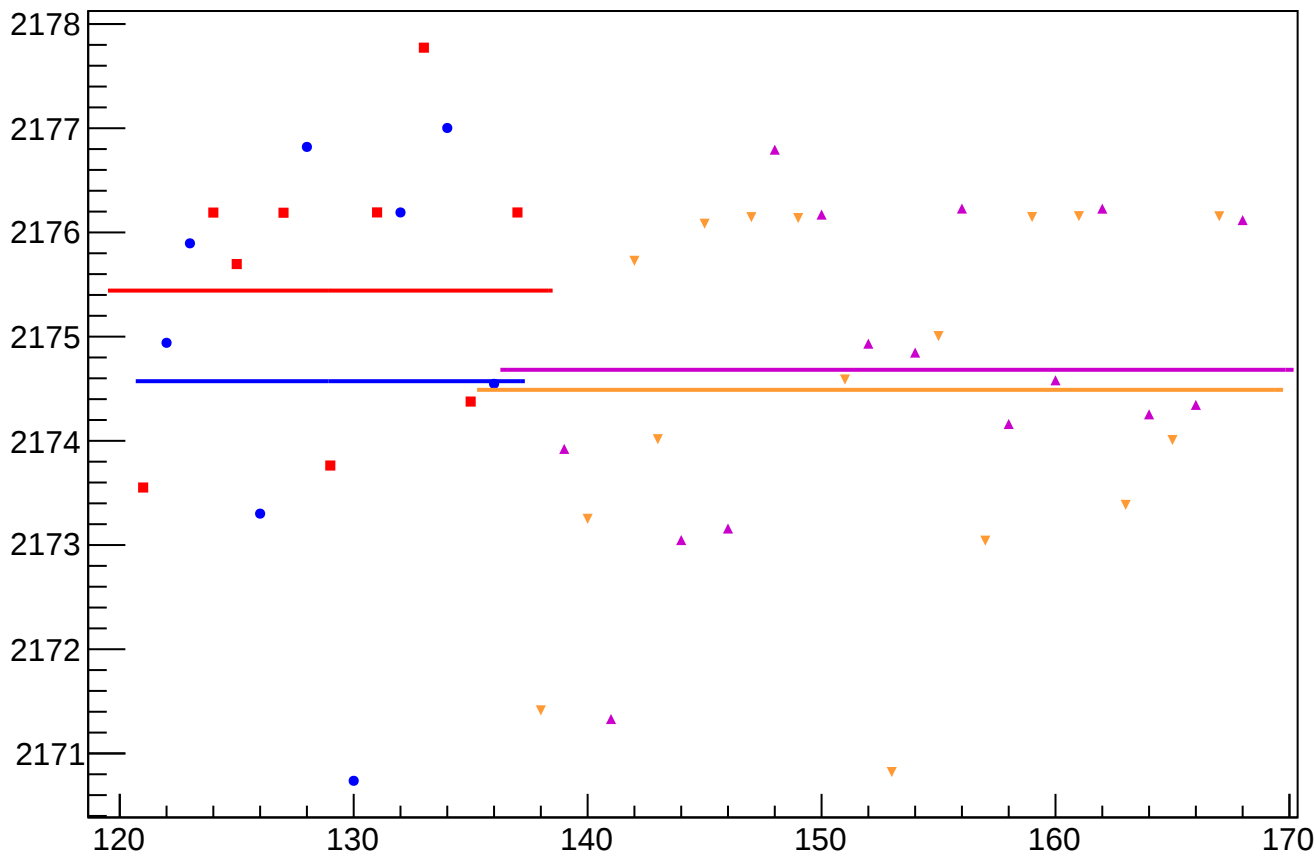
Left In: 88.021+/-0.000 χ^2/NDF : 4526471.3/14

+ sign 88.442+/-0.000 χ^2/NDF : 1008679102824982

All: 88.433+/-0.000 χ^2/NDF : 1957617000583

- sign 88.425+/-0.000 χ^2/NDF : 9487290185565349

HALLA_p_mean vs Slug



Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.489+/-0.000 χ^2/NDF : 3742978148608182286926575996764160.0/15

Right Out: 2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

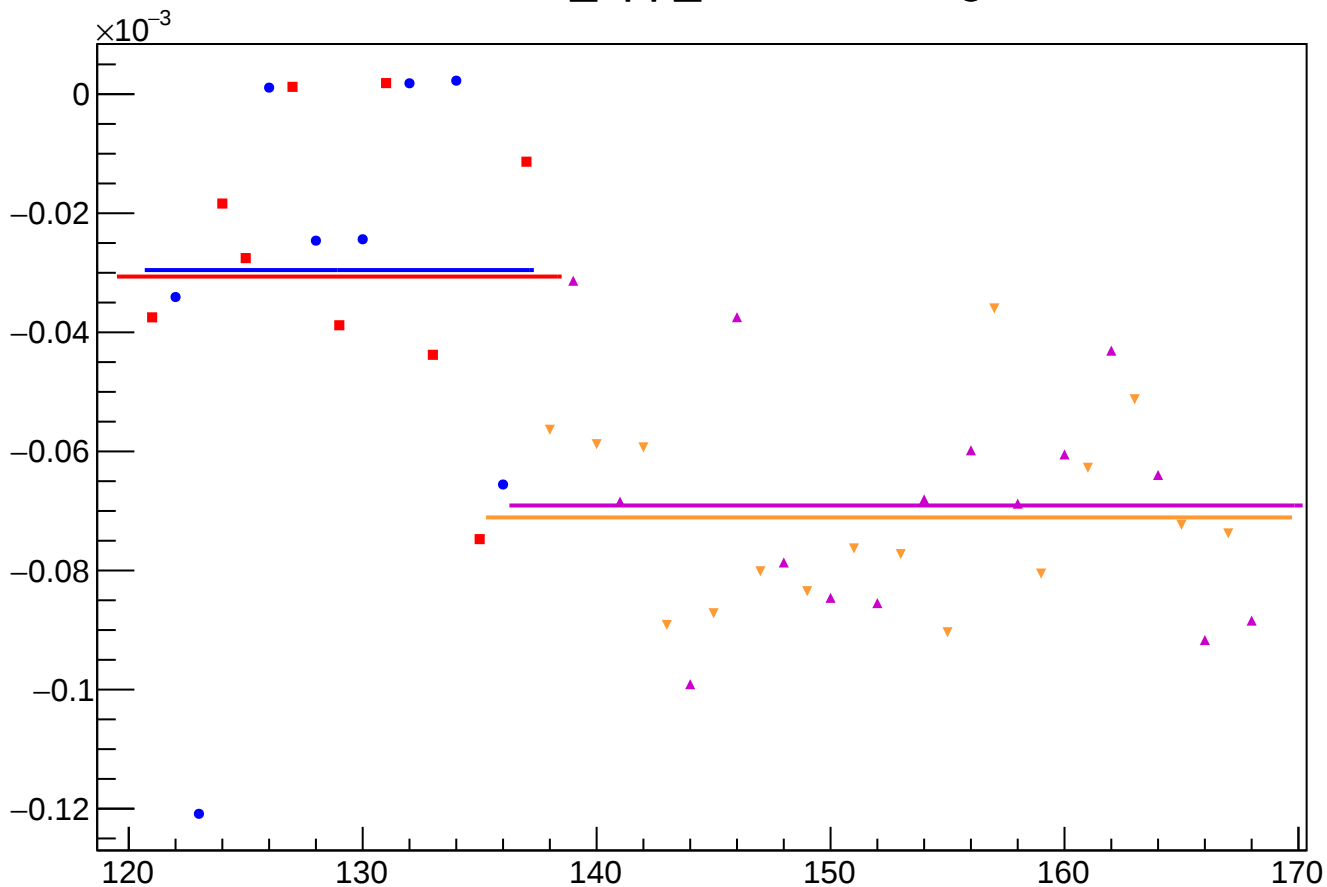
Left In: 2174.682+/-0.000 χ^2/NDF : 2600148396024958156653200702177280.0/14

+ sign 2174.507+/-0.000 χ^2/NDF : 51050883804437

All: 2174.671+/-0.000 χ^2/NDF : 85479330375

- sign 2174.840+/-0.000 χ^2/NDF : 33568245743743

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000+/-0.000 χ^2/NDF : 277553341491660030214144.0/15

Right Out: -0.000+/-0.000 χ^2/NDF : 196732771178766734983168.0/8

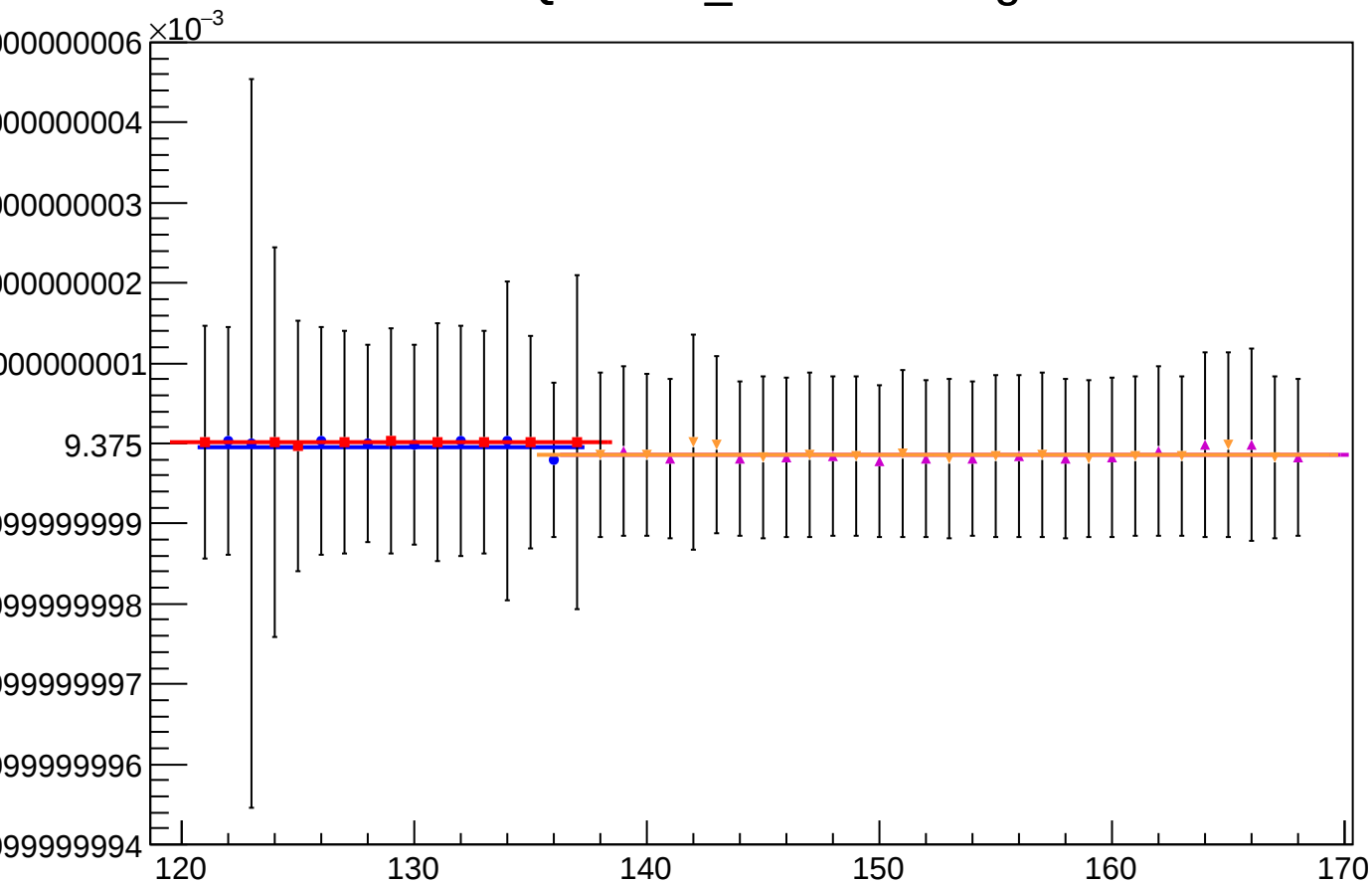
Left In: -0.000+/-0.000 χ^2/NDF : 448106025940792540921856.0/14

+ sign -0.000+/-0.000 χ^2/NDF : 9899641099632131

All: -0.000+/-0.000 χ^2/NDF : 2008738811016

- sign -0.000+/-0.000 χ^2/NDF : 10179654429834475

MQ171LM_mean vs Slug



Right In: 0.009 ± 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 ± 0.000 χ^2/NDF : 0.0/15

Right Out: 0.009 ± 0.000 χ^2/NDF : 0.0/8

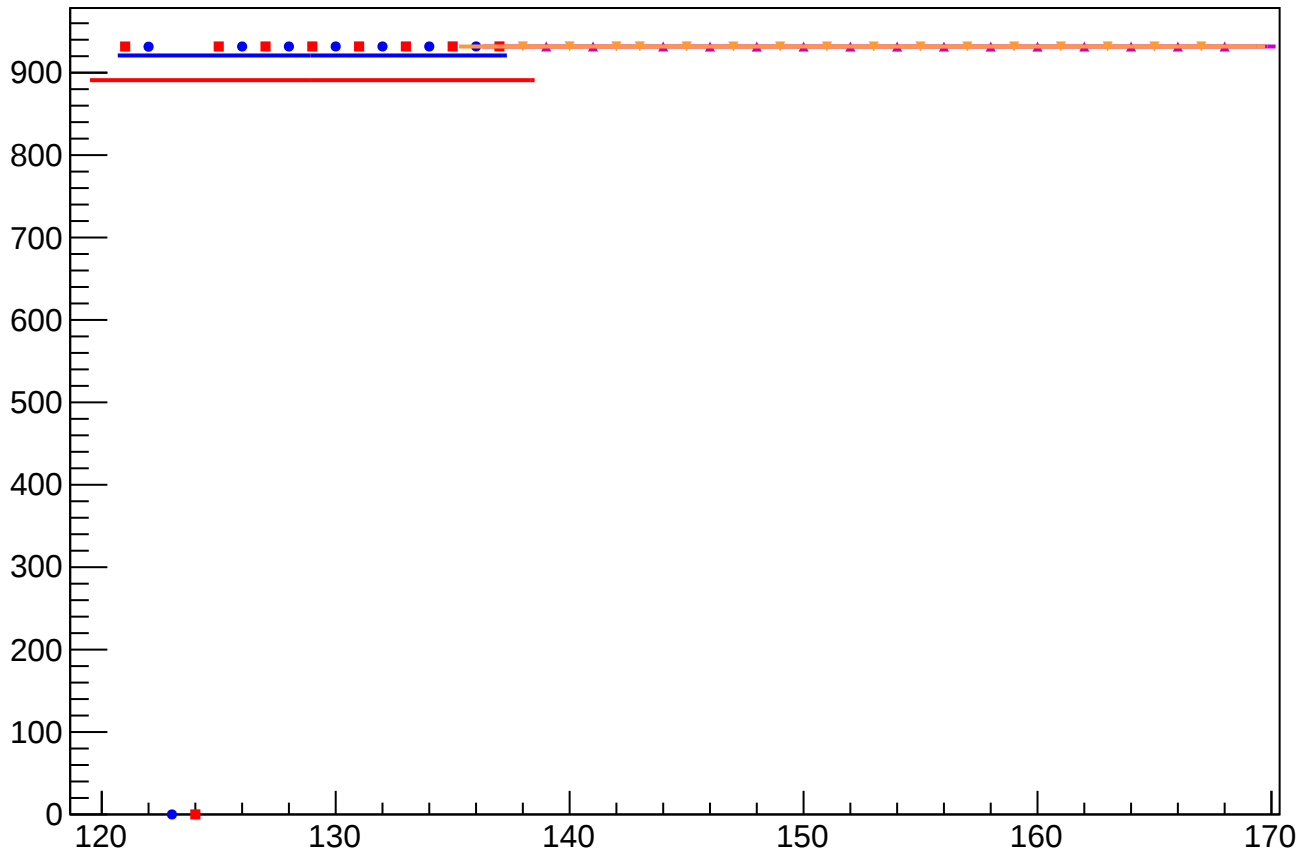
Left In: 0.009 ± 0.000 χ^2/NDF : 0.0/14

+ sign 0.009 ± 0.000 χ^2/NDF : 0.1/23

All: 0.009 ± 0.000 χ^2/NDF : 0.4/47

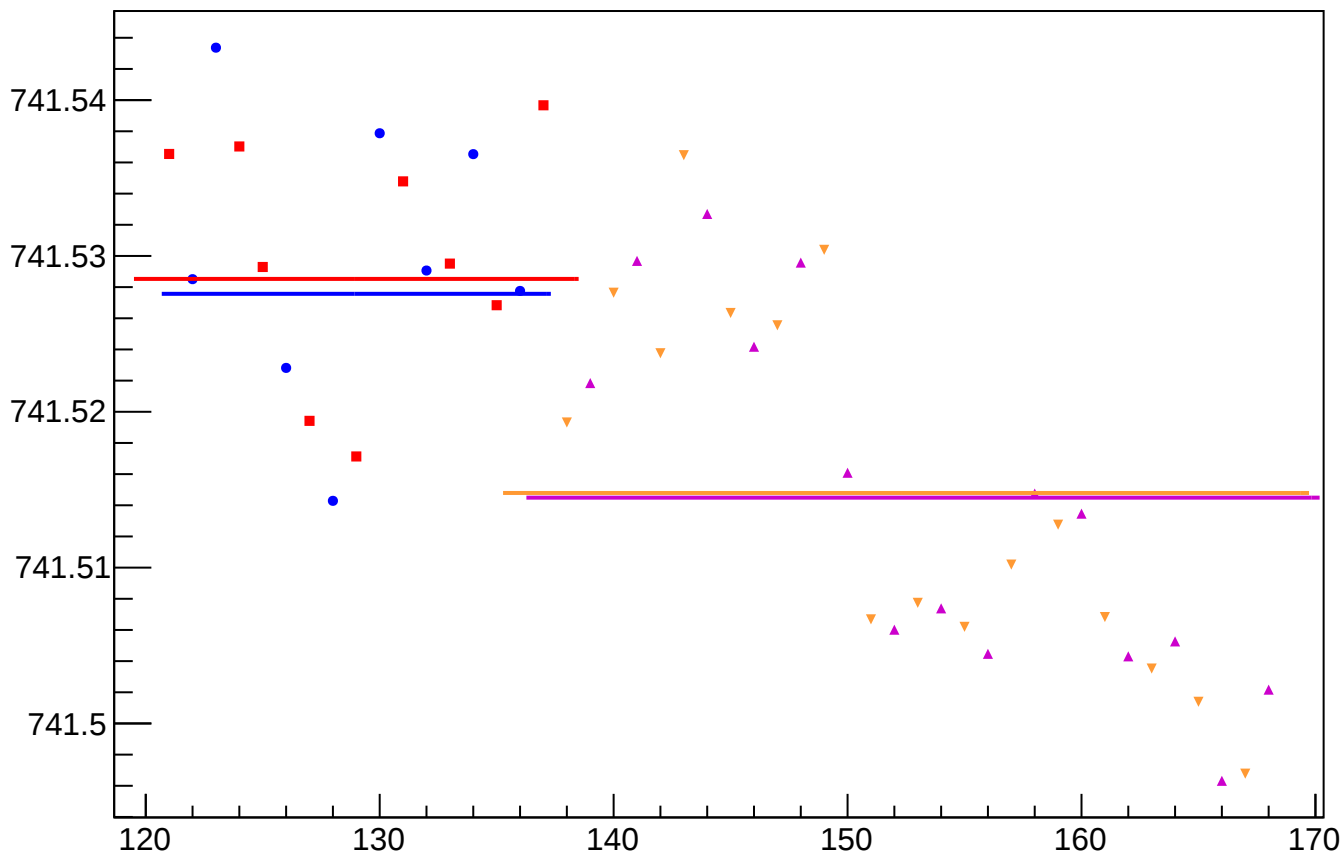
- sign 0.009 ± 0.000 χ^2/NDF : 0.1/23

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 +/- 0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
 Left Out: 931.785 +/- 0.000 χ^2/NDF : 3832316401939793798002317983744.0/15
 Right Out: 890.923 +/- 0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
 Left In: 931.773 +/- 0.000 χ^2/NDF : 3371738380691987273822758764544.0/14

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528 ± 0.000 $\chi^2/\text{NDF}: 18896144326732419810052800512.0/7$

Left Out: 741.515 ± 0.000 $\chi^2/\text{NDF}: 161218452380940323567437873152.0/15$

Right Out: 741.529 ± 0.000 $\chi^2/\text{NDF}: 16580353917842624420385914880.0/8$

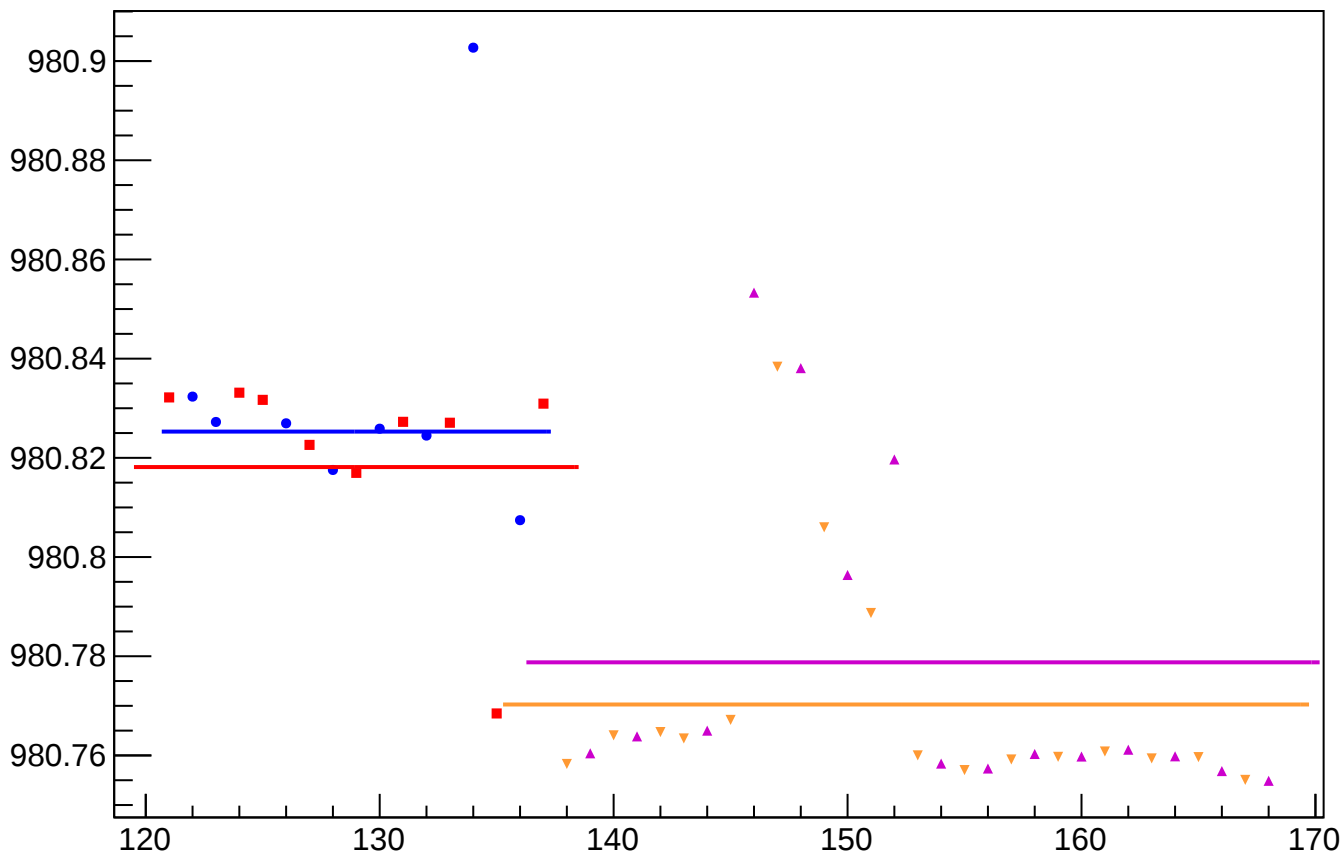
Left In: 741.514 ± 0.000 $\chi^2/\text{NDF}: 144270149111819425392409706496.0/14$

+ sign 741.518 ± 0.000 $\chi^2/\text{NDF}: 223850594223431$

All: 741.517 ± 0.000 $\chi^2/\text{NDF}: 434456618317$

- sign 741.517 ± 0.000 $\chi^2/\text{NDF}: 210589940118430$

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825 $\pm$ 0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.770 $\pm$ 0.000 χ^2/NDF : 600390519486627365971103318016.0/15

Right Out: 980.818 $\pm$ 0.000 χ^2/NDF : 143689912167528137563261894656.0/8

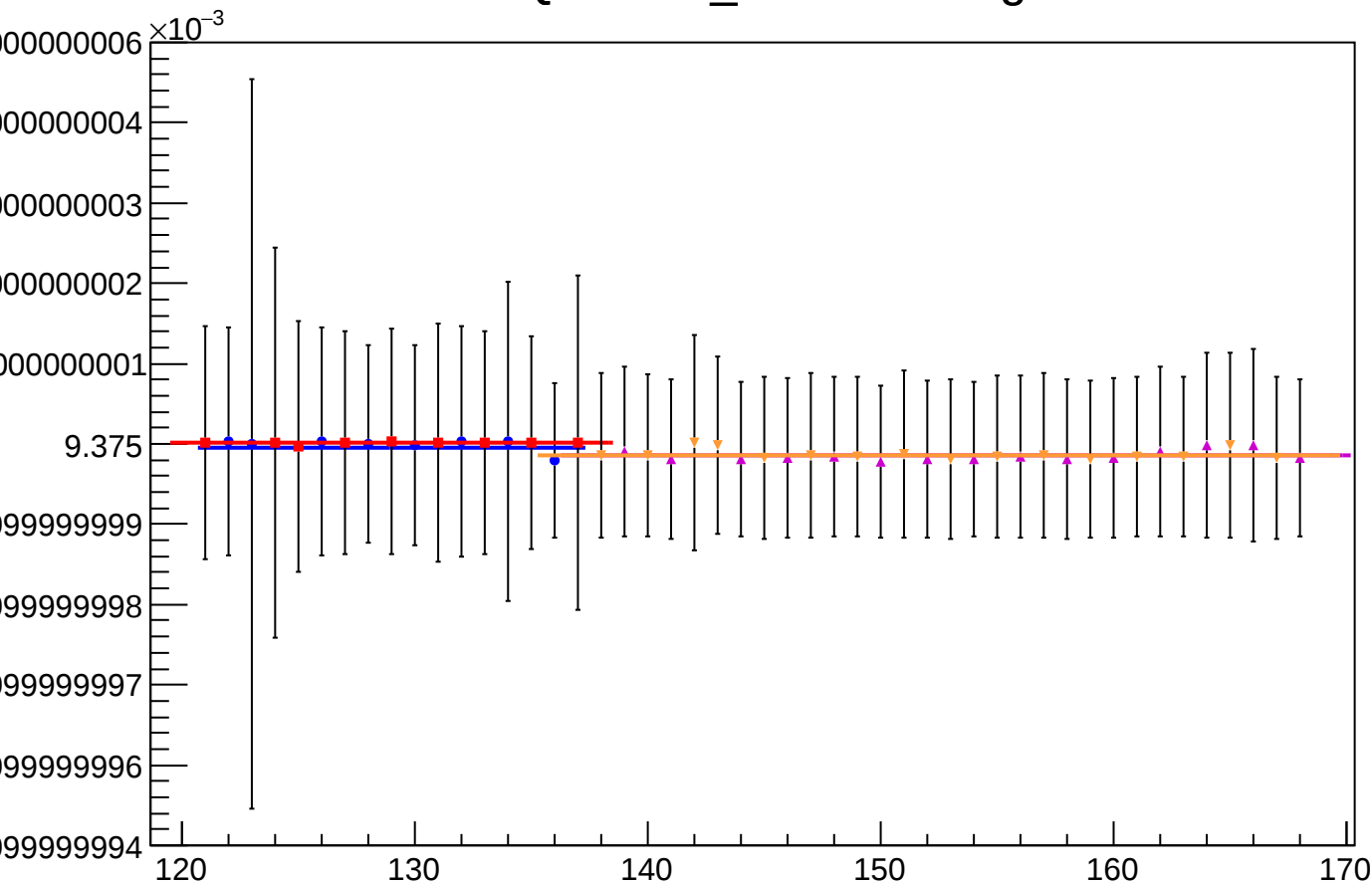
Left In: 980.779 $\pm$ 0.000 χ^2/NDF : 1246153781645057674043472216064.0/14

+ sign 980.782 $\pm$ 0.000 χ^2/NDF : 157062470634407

All: 980.785 $\pm$ 0.000 χ^2/NDF : 336954557128

- sign 980.787 $\pm$ 0.000 χ^2/NDF : 178117210703820

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:0.0/15

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

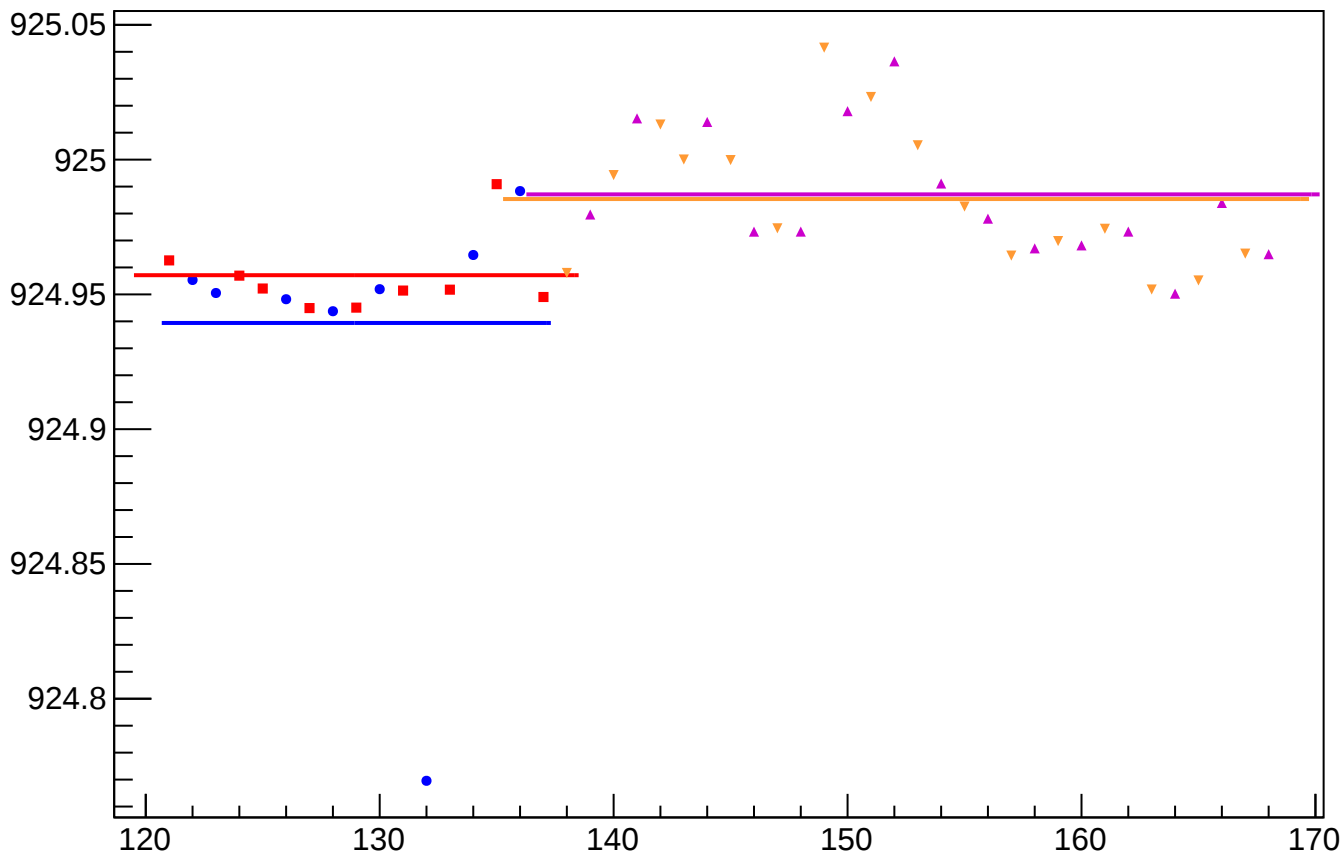
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/14

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/47

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939 $\pm$ 0.000

χ^2 /NDF: 1401458495809517406218388242432.0/7

Left Out: 924.985 $\pm$ 0.000

χ^2 /NDF: 801076965940092187828589428736.0/15

Right Out: 924.957 $\pm$ 0.000

χ^2 /NDF: 71808709366506786060310151168.0/8

Left In: 924.987 $\pm$ 0.000

χ^2 /NDF: 679422845413471251544261263360.0/14

+ sign 924.975 $\pm$ 0.000

χ^2 /NDF: 276857221557766

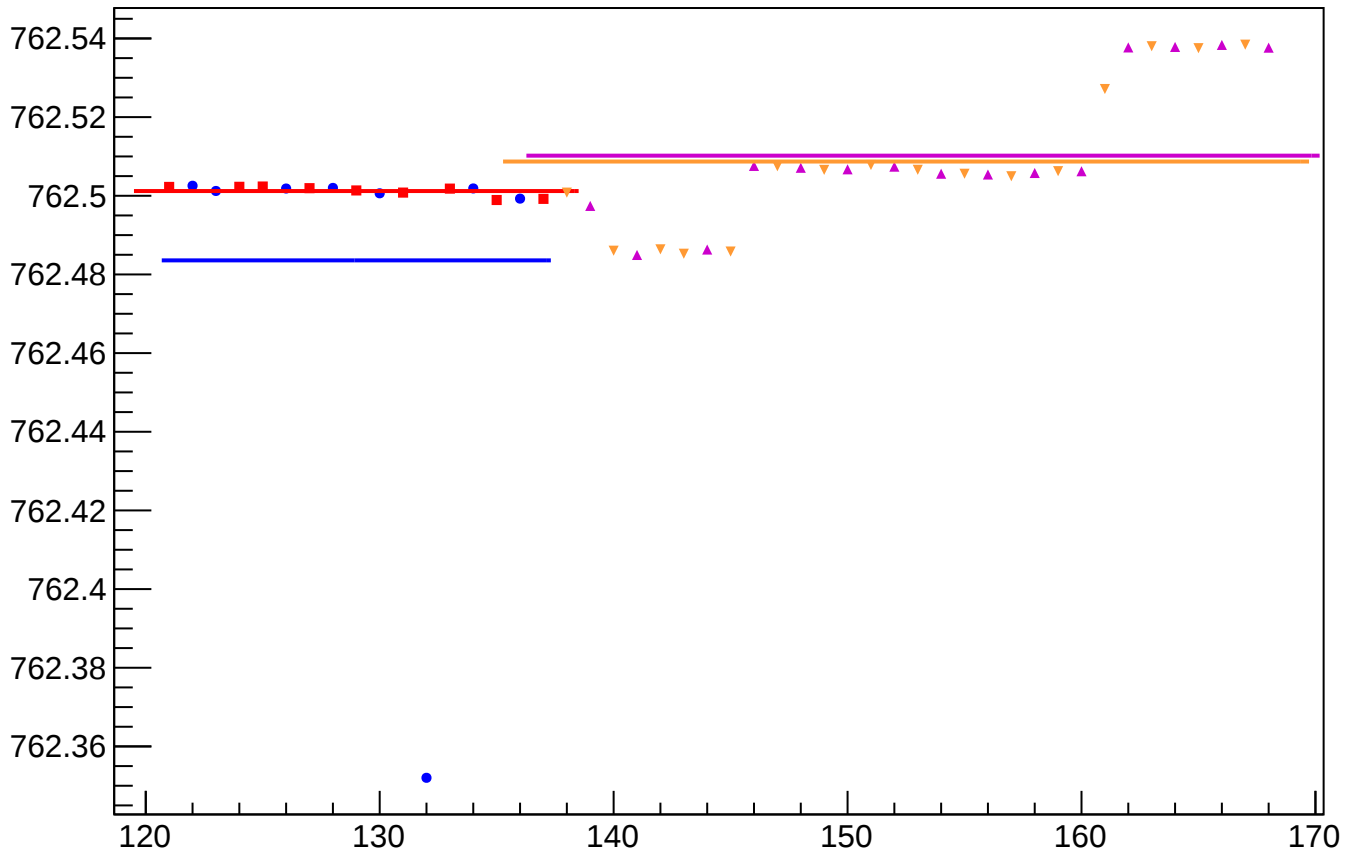
All: 924.978 $\pm$ 0.000

χ^2 /NDF: 376978984432

- sign 924.981 $\pm$ 0.000

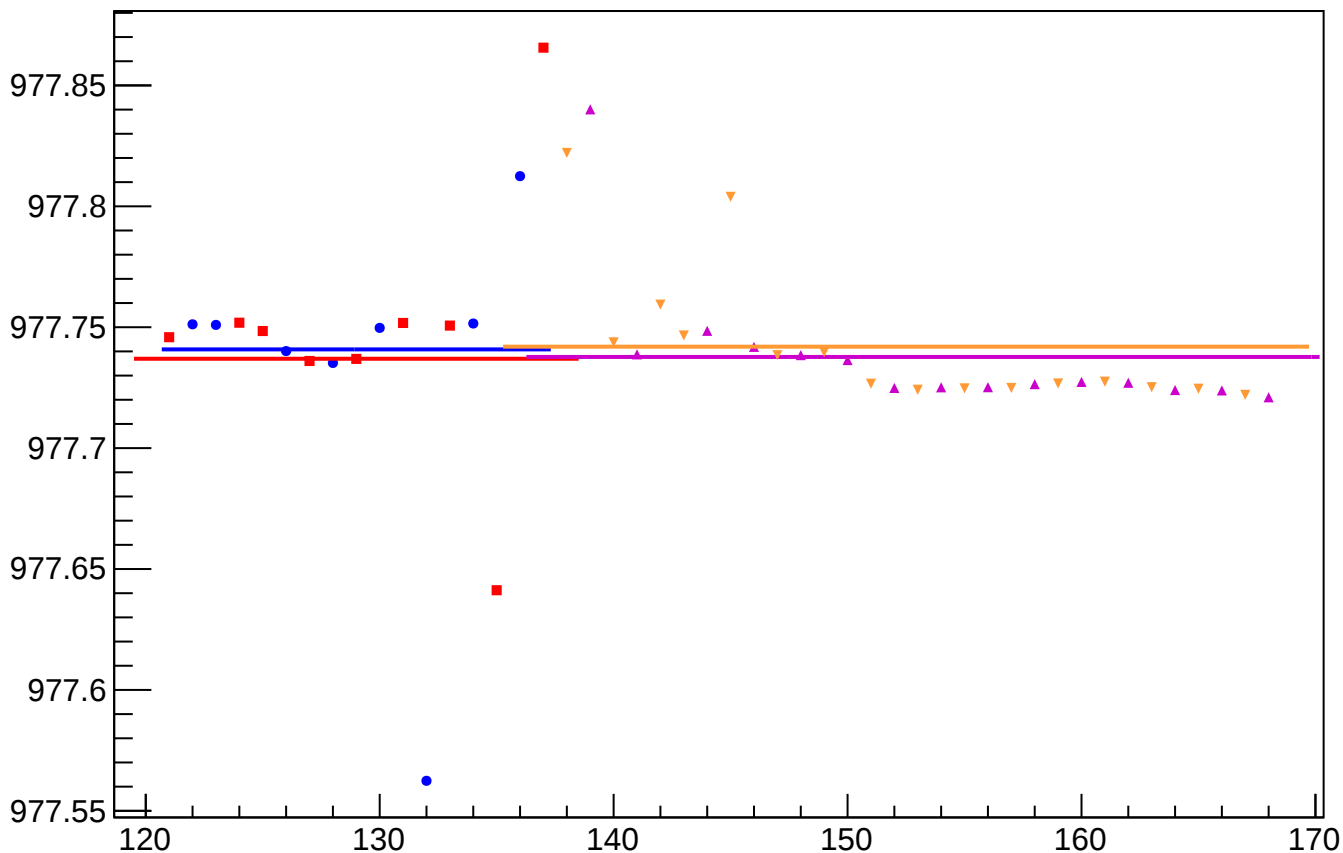
χ^2 /NDF: 978197052312431

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7
 Left Out: 762.509+/-0.000 χ^2/NDF : 37625471884585888797694984192.0/15
 Right Out: 762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8
 Left In: 762.510+/-0.000 χ^2/NDF : 340998390986270881553072521216.0/14
 All: 762.506+/-0.000 χ^2/NDF : 171169541875

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741 $\pm$ 0.000

χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.742 $\pm$ 0.000

χ^2/NDF : 1032960762512231065759718047744.0/15

Right Out: 977.737 $\pm$ 0.000

χ^2/NDF : 772313054358211830610902646784.0/8

Left In: 977.738 $\pm$ 0.000

χ^2/NDF : 903508853928239168039539441664.0/14

+ sign 977.742 $\pm$ 0.000

χ^2/NDF : 277140695048362

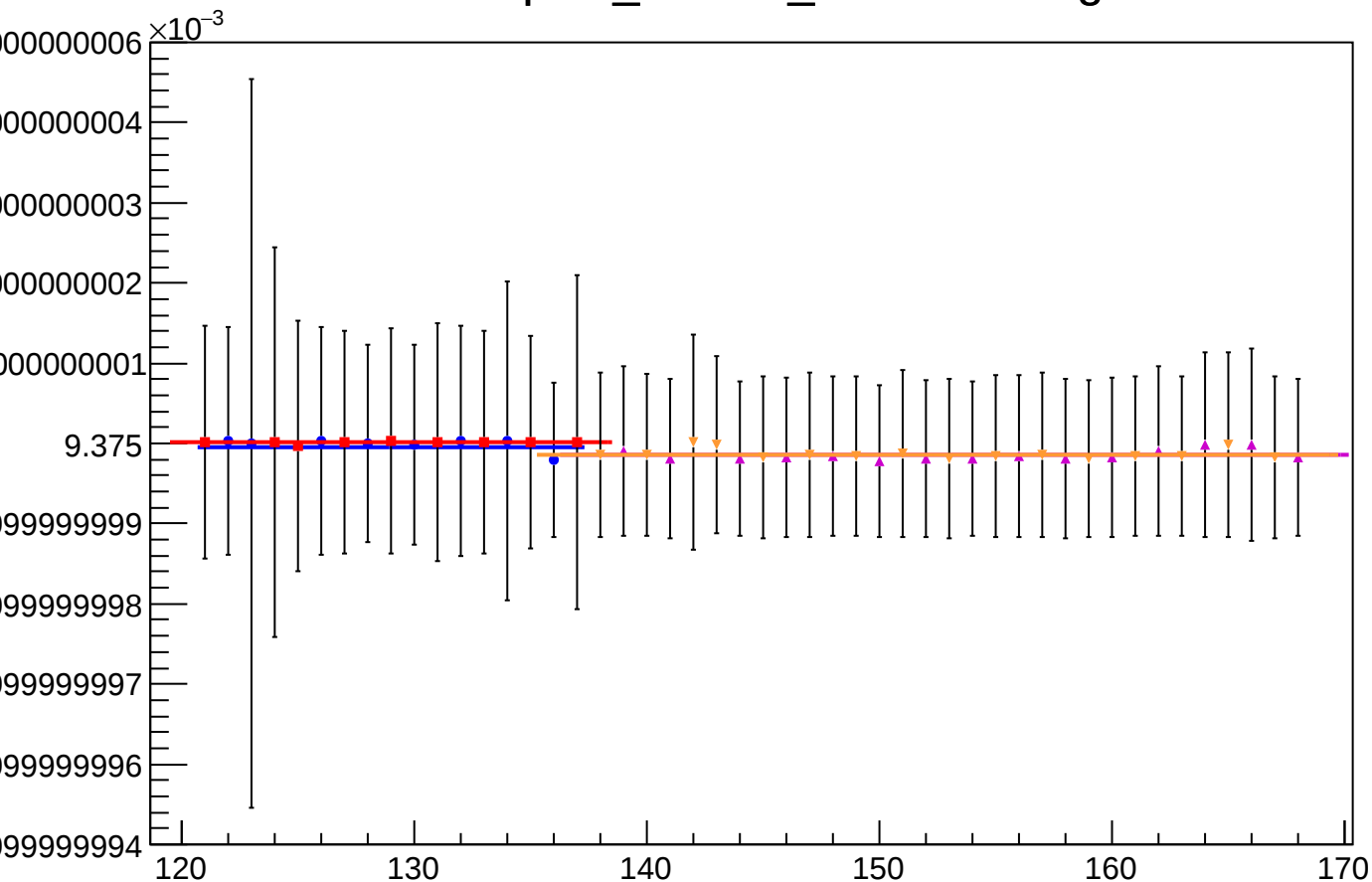
All: 977.740 $\pm$ 0.000

χ^2/NDF : 446081366007

- sign 977.738 $\pm$ 0.000

χ^2/NDF : 167596087951153

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: 0.0/15

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

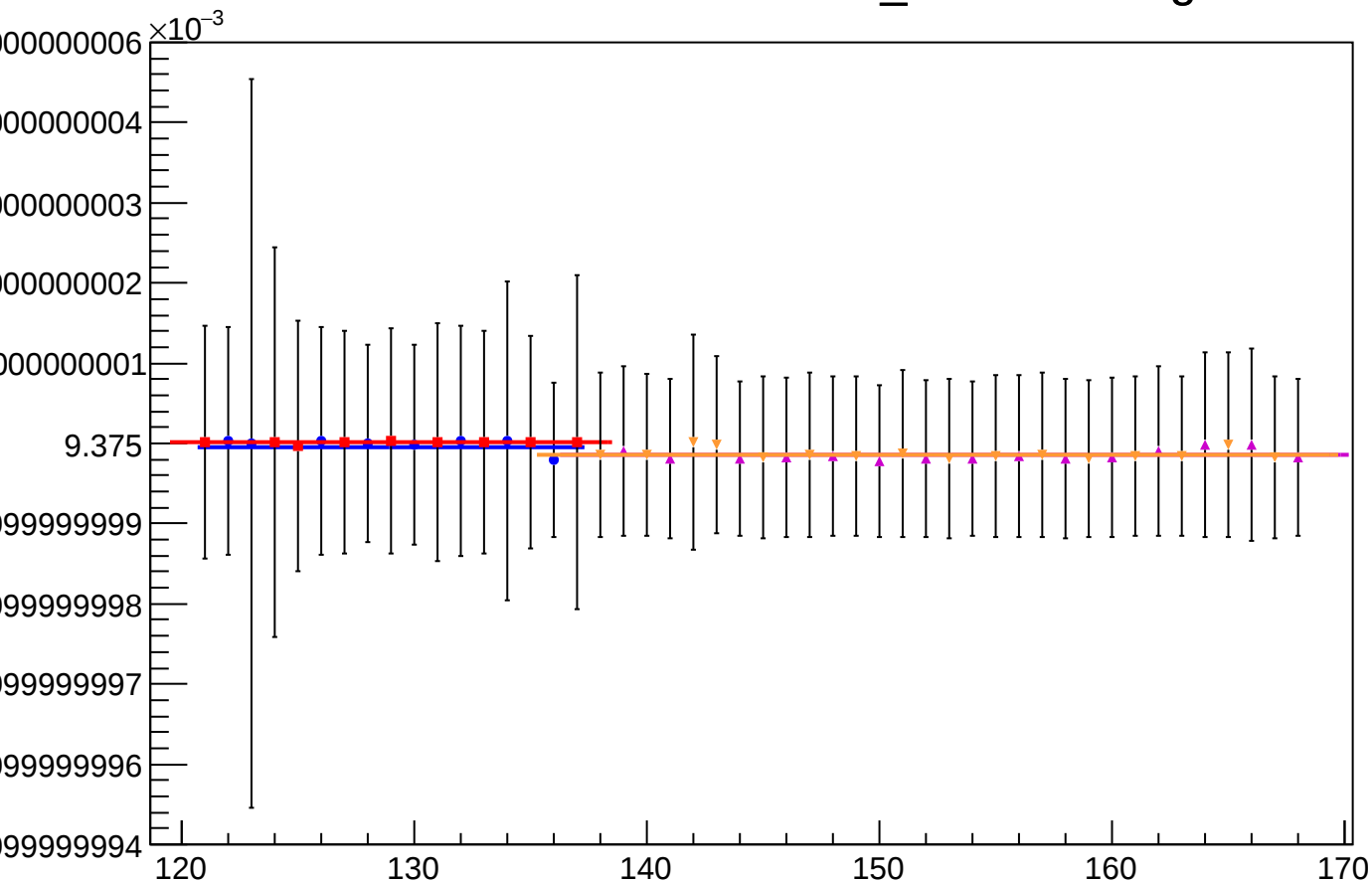
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/14

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/47

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

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: 0.0/15

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

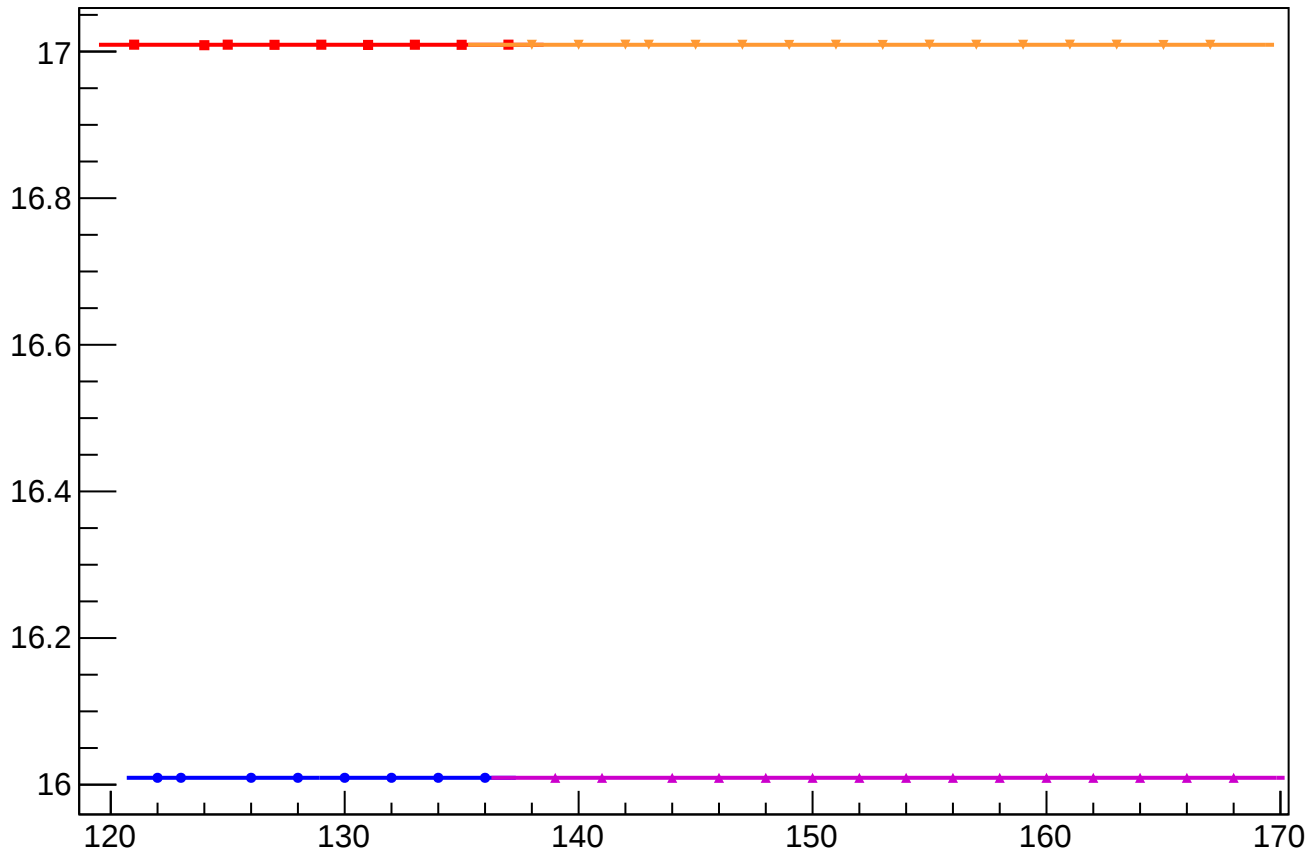
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/14

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/47

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

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 : 17912190419353891478962176.0/15

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 8333578329558812540796928.0/8

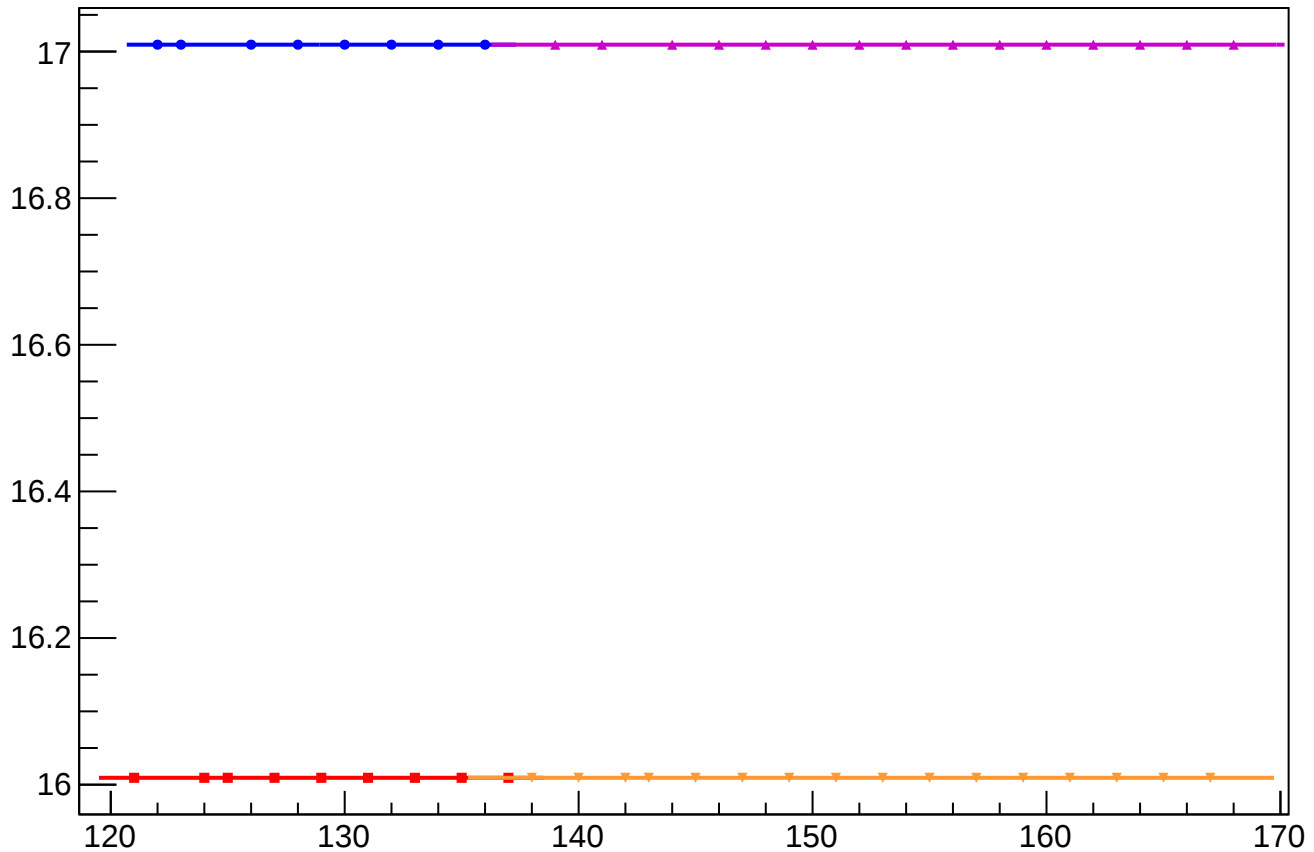
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 53819.2/14

+ sign 16.791 $\pm$ 0.000 χ^2/NDF : 2469657259941881

All: 16.508 $\pm$ 0.000 χ^2/NDF : 7185374620338

- sign 16.221 $\pm$ 0.000 χ^2/NDF : 2380228533917288

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 50007.5/15

Right Out: 16.009+/-0.000 χ^2/NDF : 17859.8/8

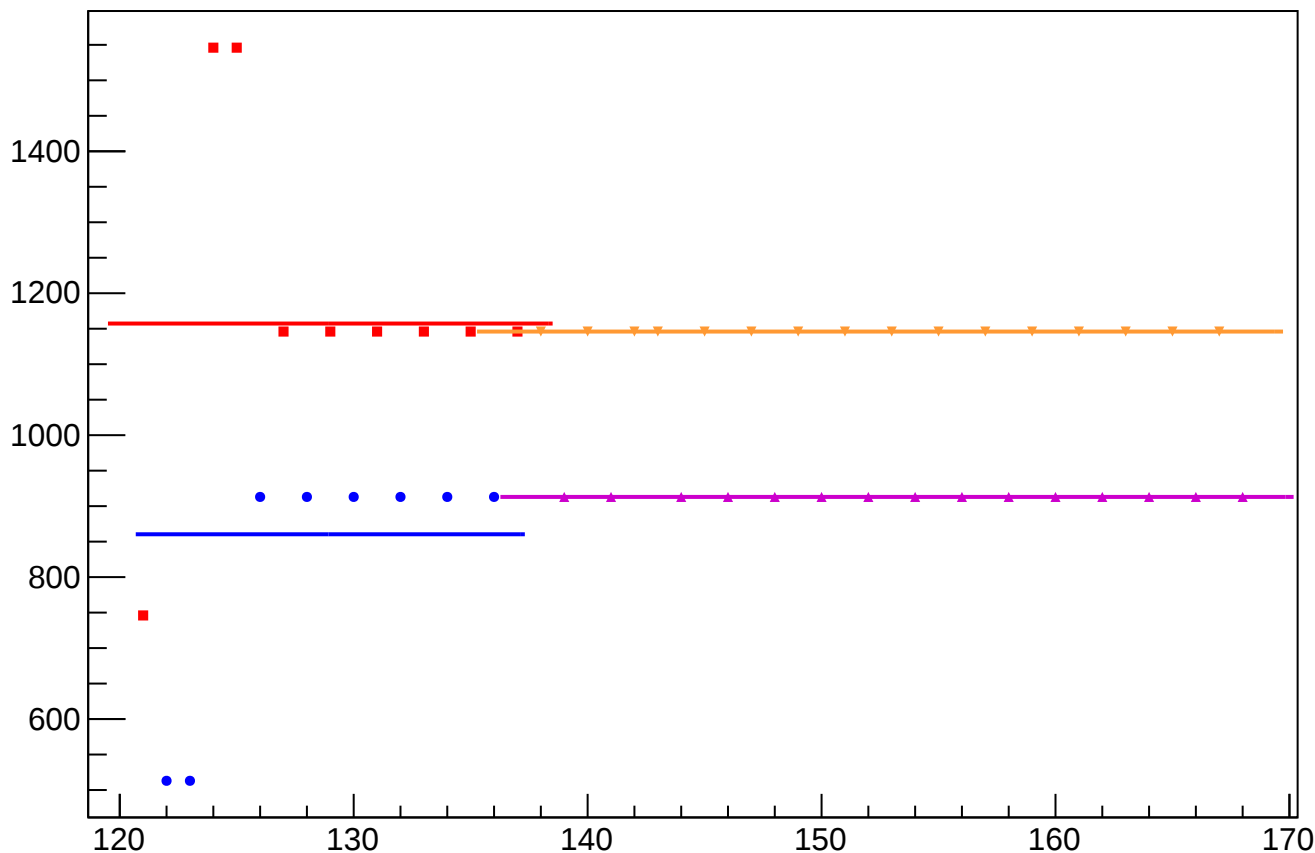
Left In: 17.009+/-0.000 χ^2/NDF : 43015.0/14

+ sign 16.227+/-0.000 χ^2/NDF : 2674531548757127

All: 16.507+/-0.000 χ^2/NDF : 7694840805717

- sign 16.798+/-0.000 χ^2/NDF : 2515639496354976

RTPAPOSUCNT_mean vs Slug



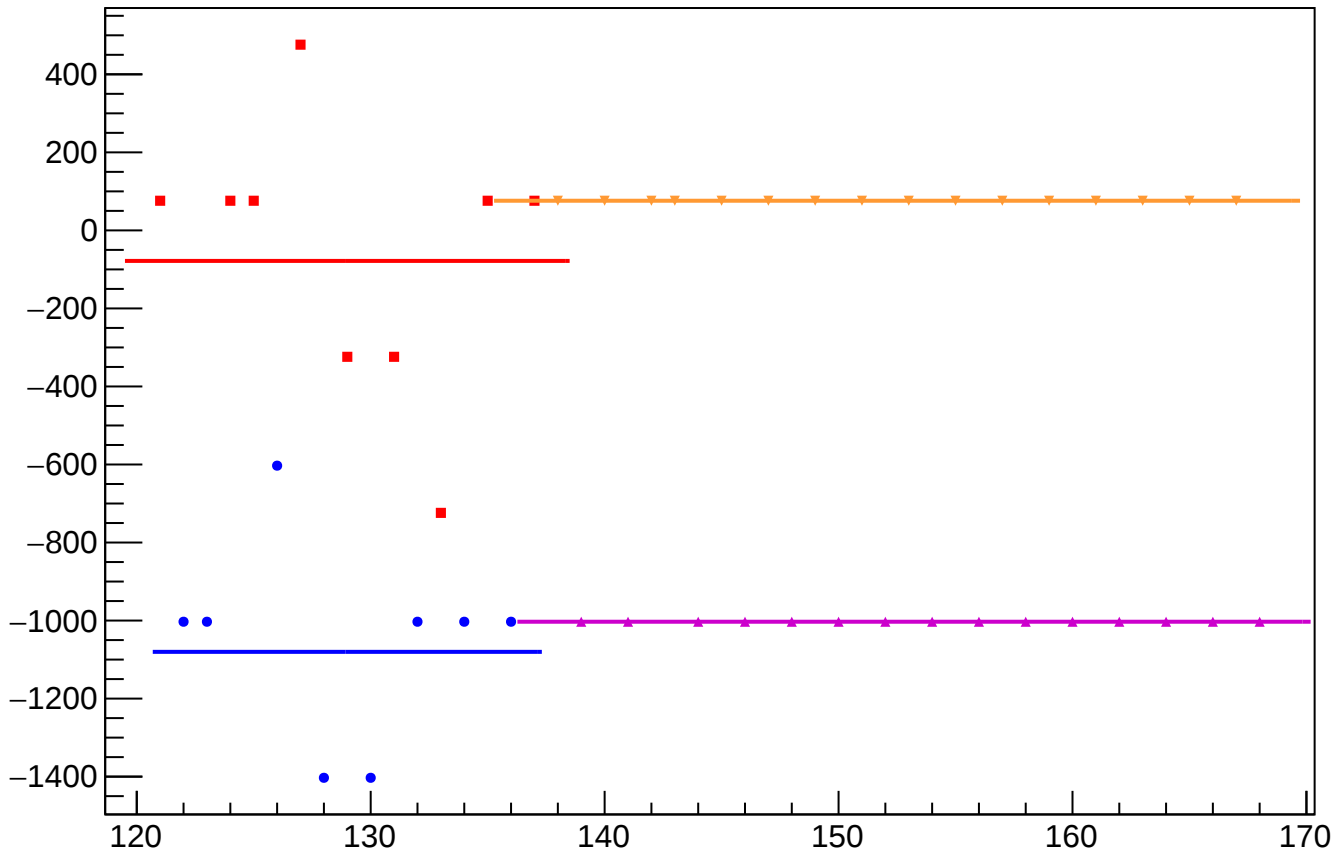
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 4119514676460171899405598720.0/15

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: 912.995+/-0.000 χ^2/NDF : 18137753536374057576167374848.0/14

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 : 9584085916479183929351340032.0/15
 Right Out: -78.224 ± 0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8
 Left In: -1002.990 ± 0.000 χ^2/NDF : 1857923948603316949095546880.0/14
 All: -487.482 ± 0.000 χ^2/NDF : 94852363068
 + sign -174.729 ± 0.000 χ^2/NDF : 37967408014193
 - sign -810.053 ± 0.000 χ^2/NDF : 255500912392735