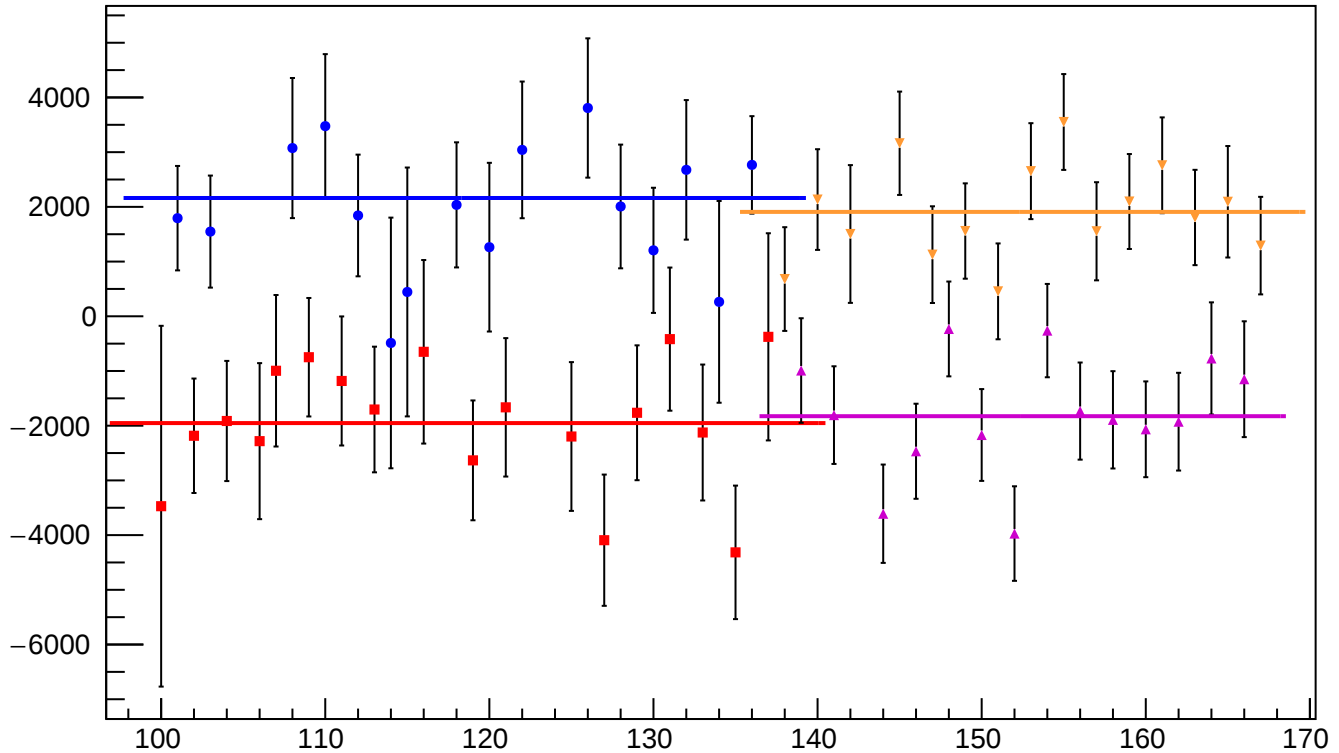


reg_asym_us_avg_mean vs Slug



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: -1826.258+/-240.338

χ^2/NDF : 19.9/13

+ sign 2002.357+/-187.150

χ^2/NDF : 22.6/30

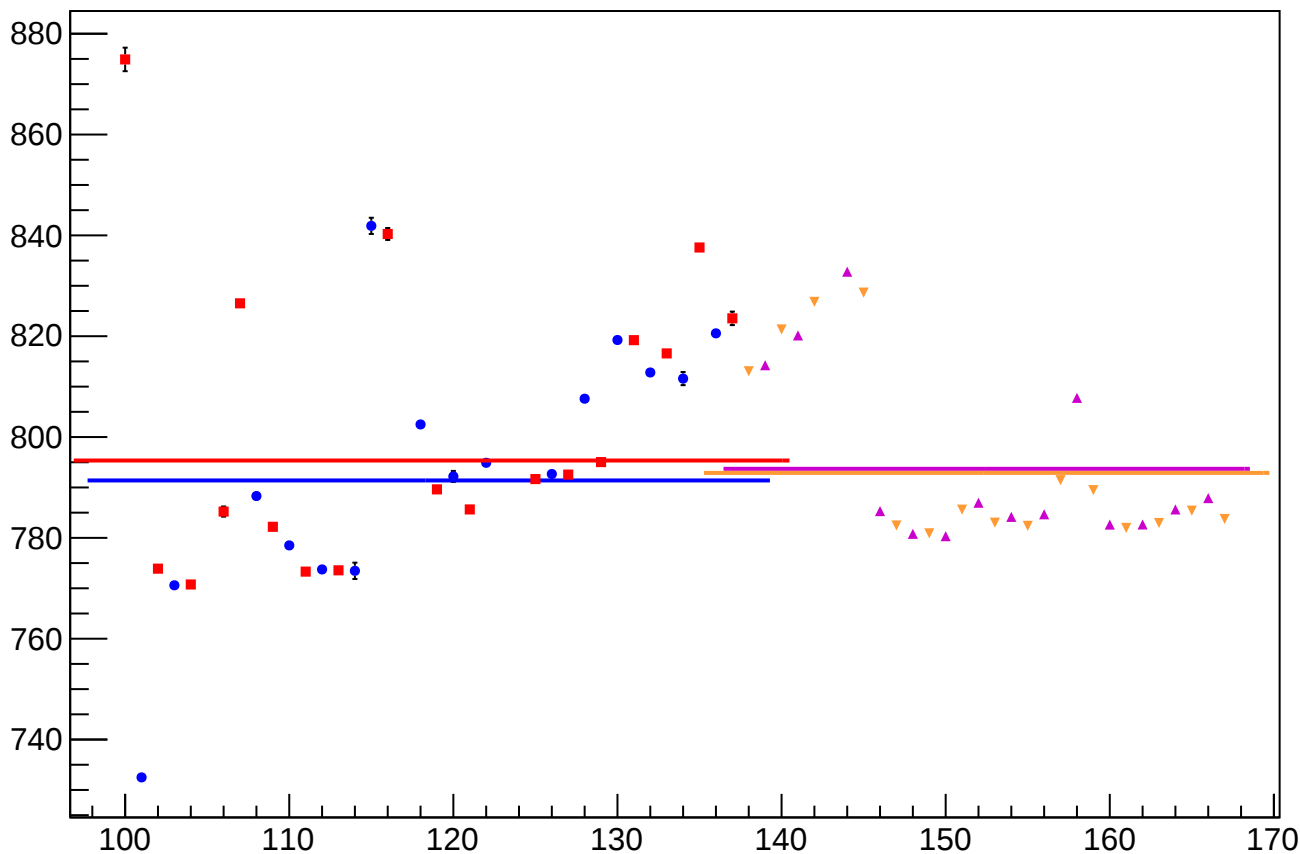
All: 69.302+/-132.533

χ^2/NDF : 269.2/62

- sign -1875.354+/-187.711

χ^2/NDF : 32.6/31

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

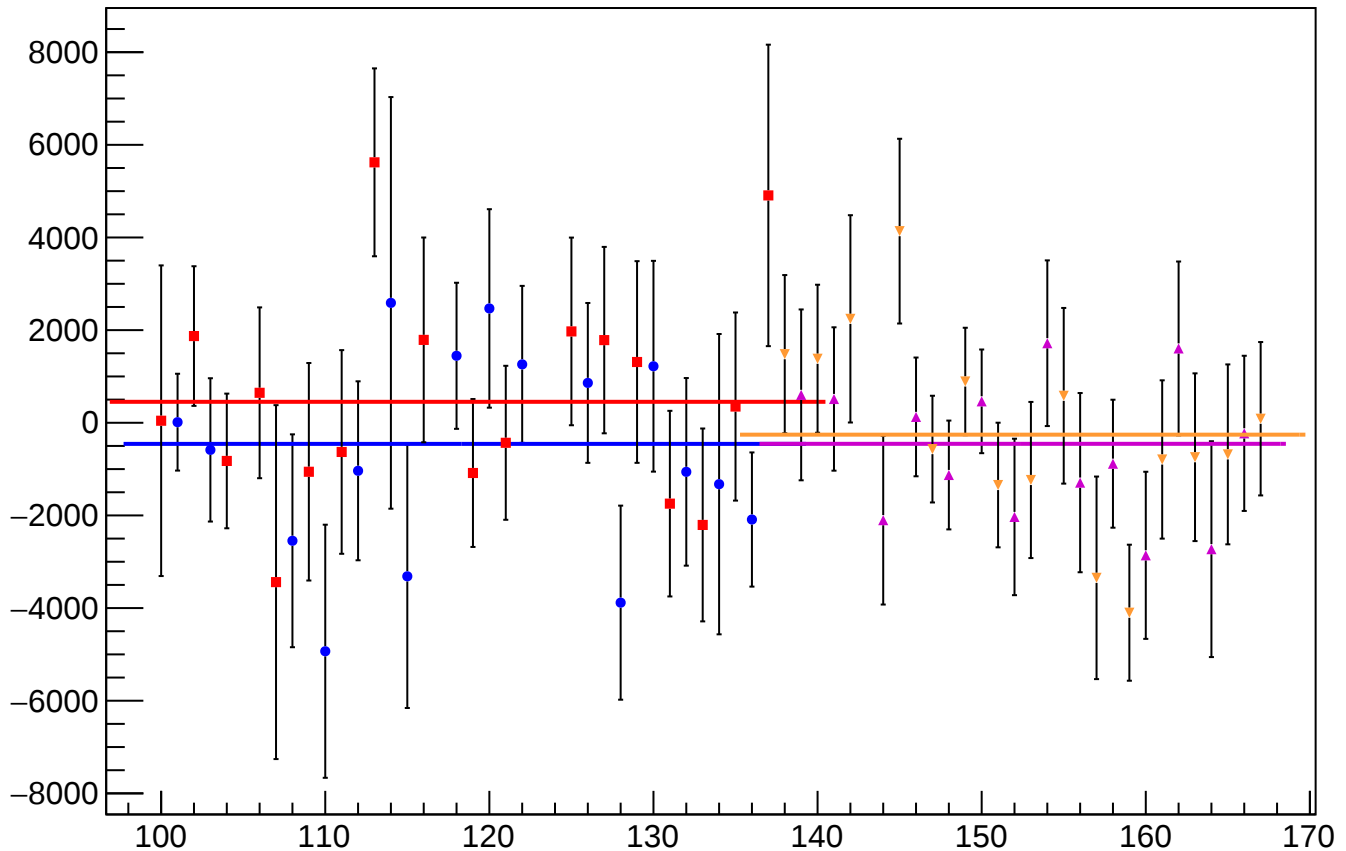
Left In: 793.698 $\pm$ 0.170 χ^2 /NDF: 9489.9/13

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

All: 793.333 $\pm$ 0.094 χ^2 /NDF: 45636.0/62

- sign 794.340 $\pm$ 0.133 χ^2 /NDF: 21086.3/31

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

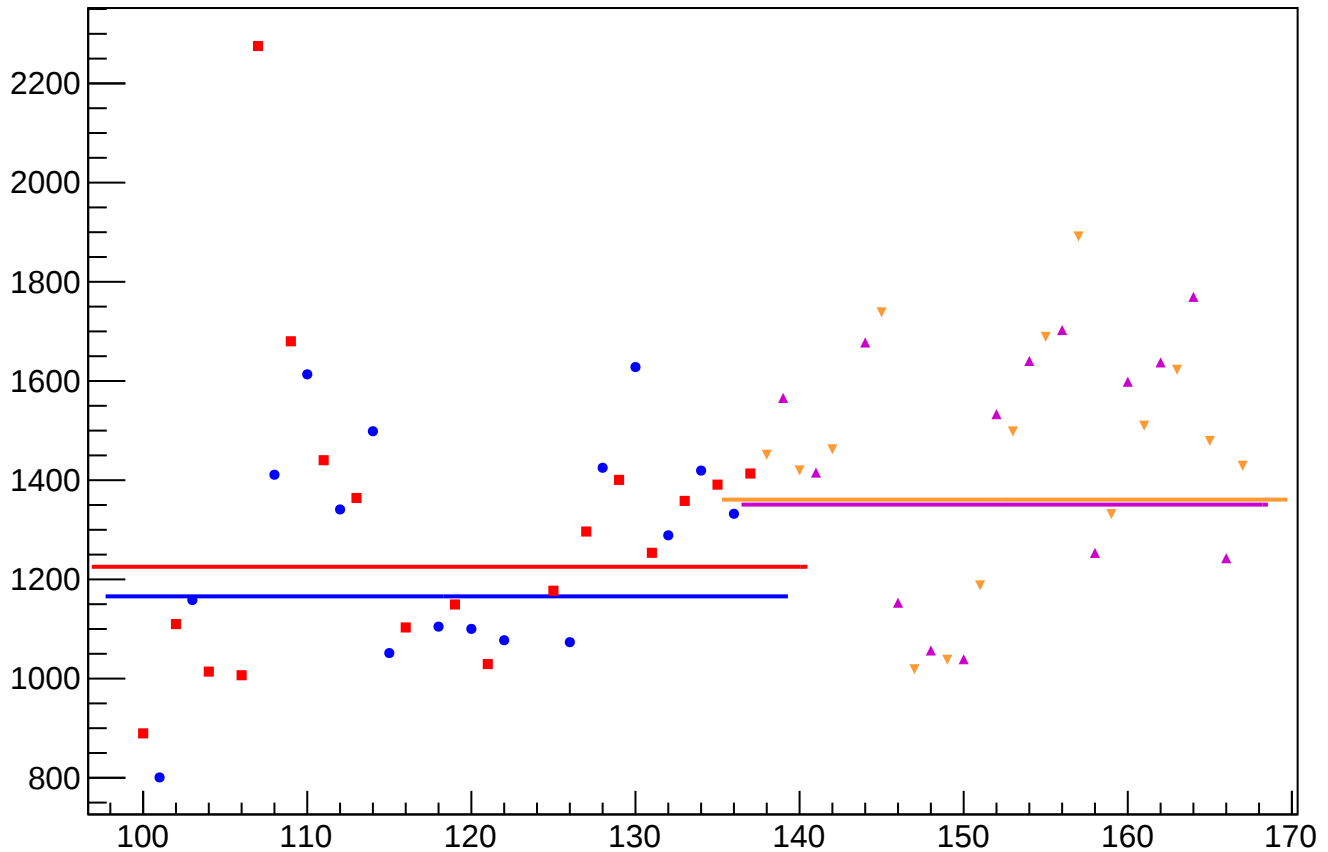
Left In: -454.279 ± 417.685 χ^2/NDF : 9.3/13

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

All: -202.543 ± 219.989 χ^2/NDF : 63.7/62

- sign -56.698 ± 313.017 χ^2/NDF : 28.7/31

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

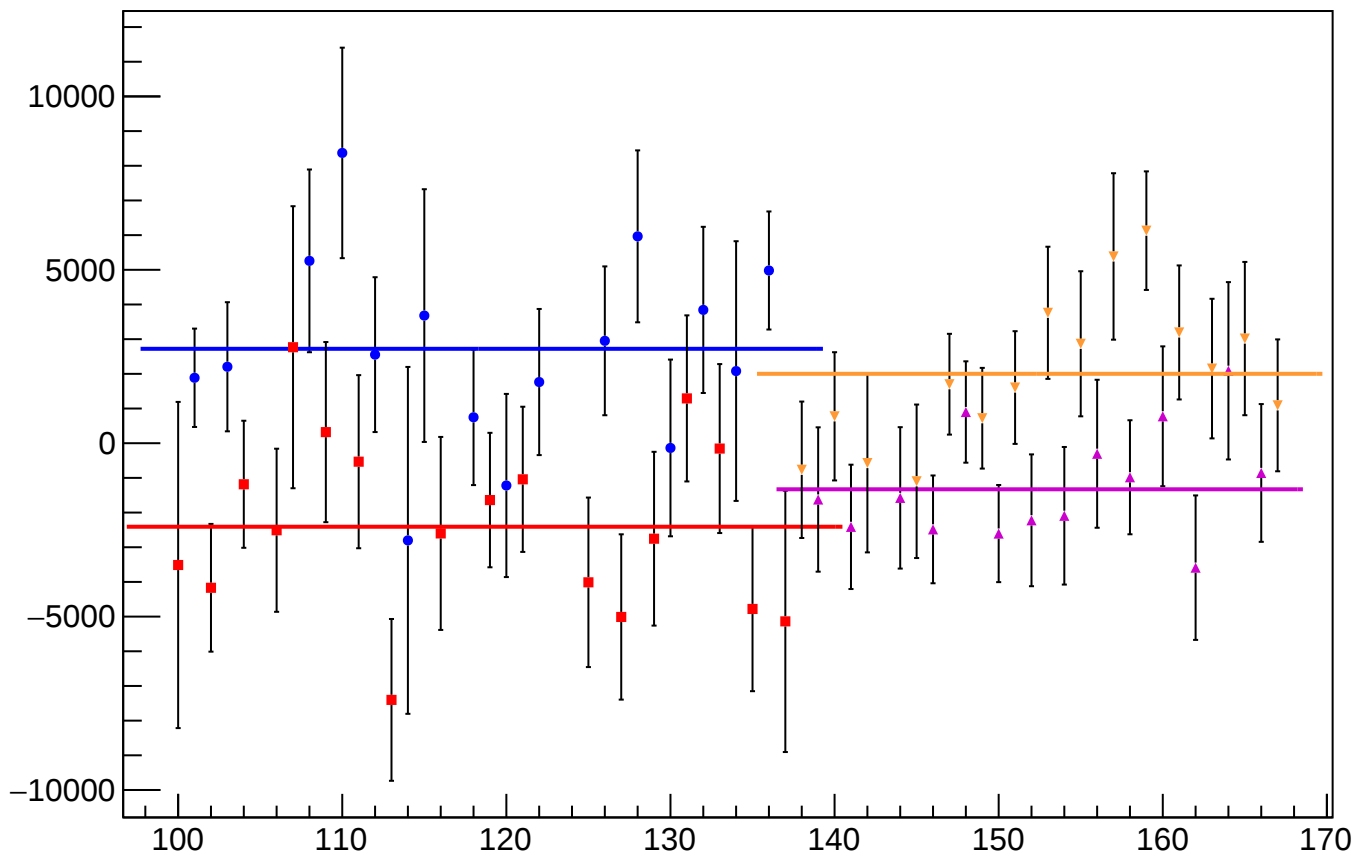
Left In: 1350.785 $\pm$ 0.295 χ^2 /NDF: 732716.9/13

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

All: 1284.944 $\pm$ 0.156 χ^2 /NDF: 2688460.8/62

- sign 1295.839 $\pm$ 0.221 χ^2 /NDF: 1252085.6/31

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

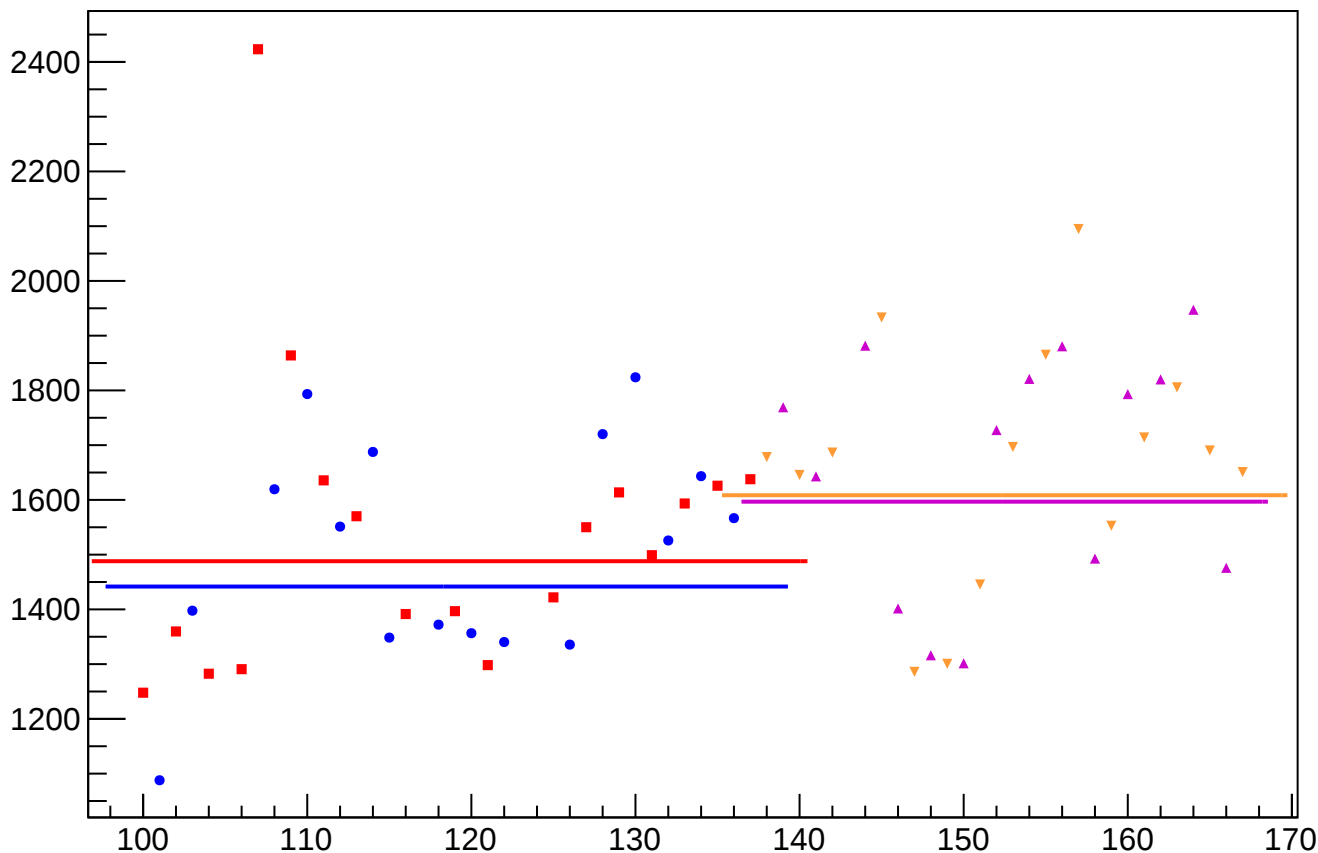
Left In: -1328.931+/-489.261 χ^2/NDF : 8.9/13

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

All: 271.758+/-261.502 χ^2/NDF : 119.9/62

- sign -1787.828+/-370.969 χ^2/NDF : 27.2/31

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

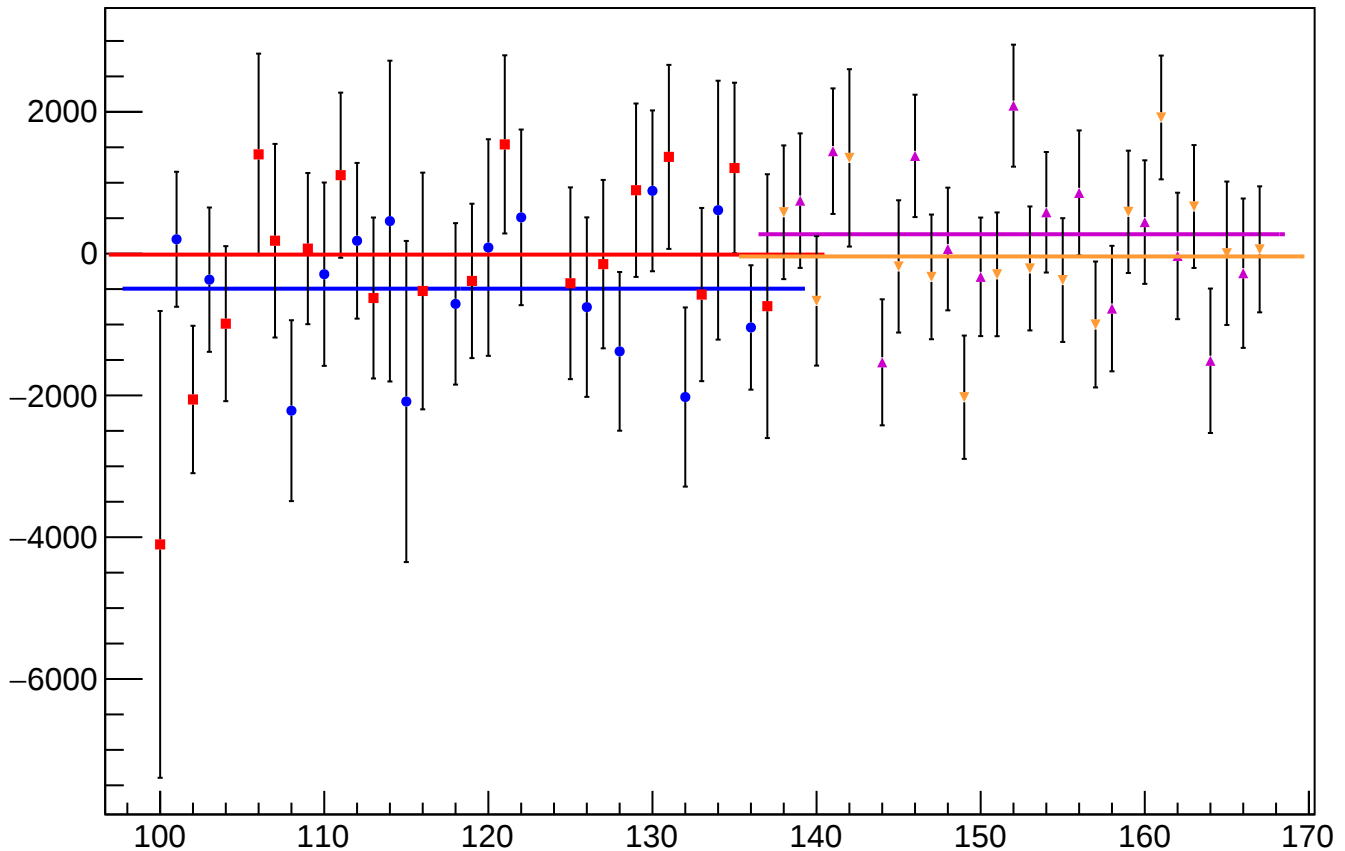
Left In: 1596.768+/-0.346 χ^2 /NDF: 413588.2/13

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

All: 1544.248+/-0.185 χ^2 /NDF: 1493049.4/62

- sign 1550.542+/-0.262 χ^2 /NDF: 711727.4/31

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

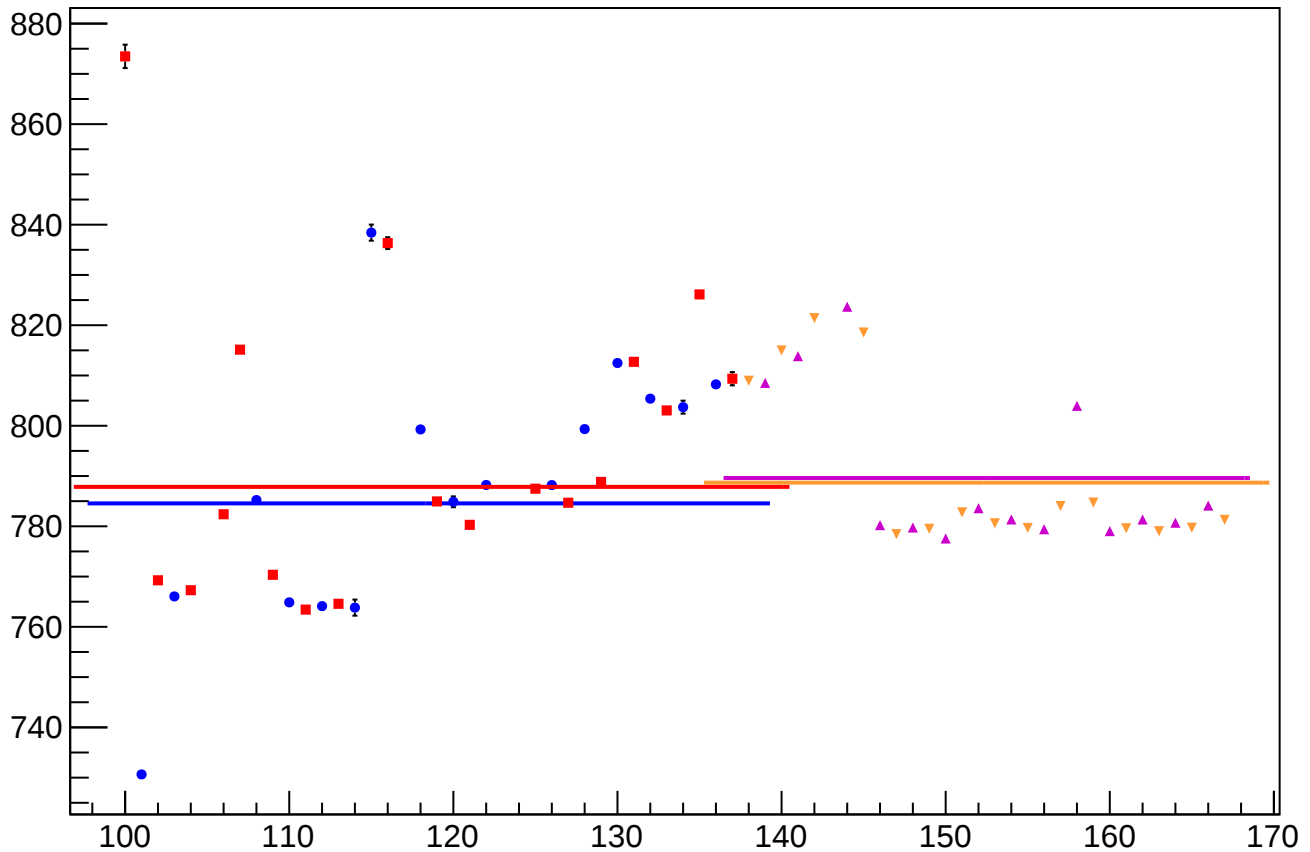
Left In: 273.493 ± 239.086 χ^2/NDF : 18.3/13

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

All: -24.508 ± 131.639 χ^2/NDF : 59.4/62

- sign 160.977 ± 186.421 χ^2/NDF : 32.2/31

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

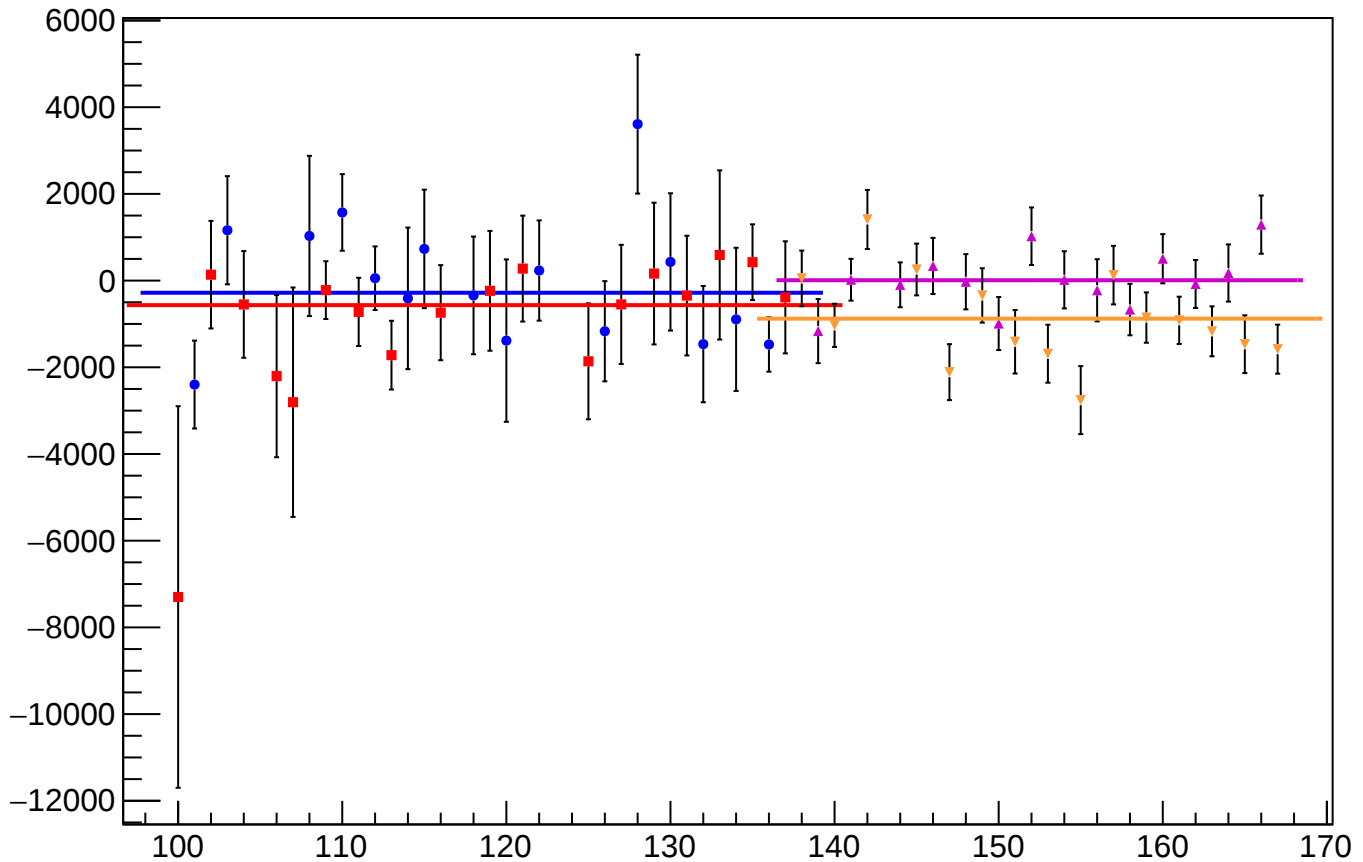
Left In: 789.608 ± 0.169 χ^2/NDF : 7891.5/13

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

All: 788.029 ± 0.093 χ^2/NDF : 40668.4/62

- sign 788.916 ± 0.132 χ^2/NDF : 18843.1/31

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

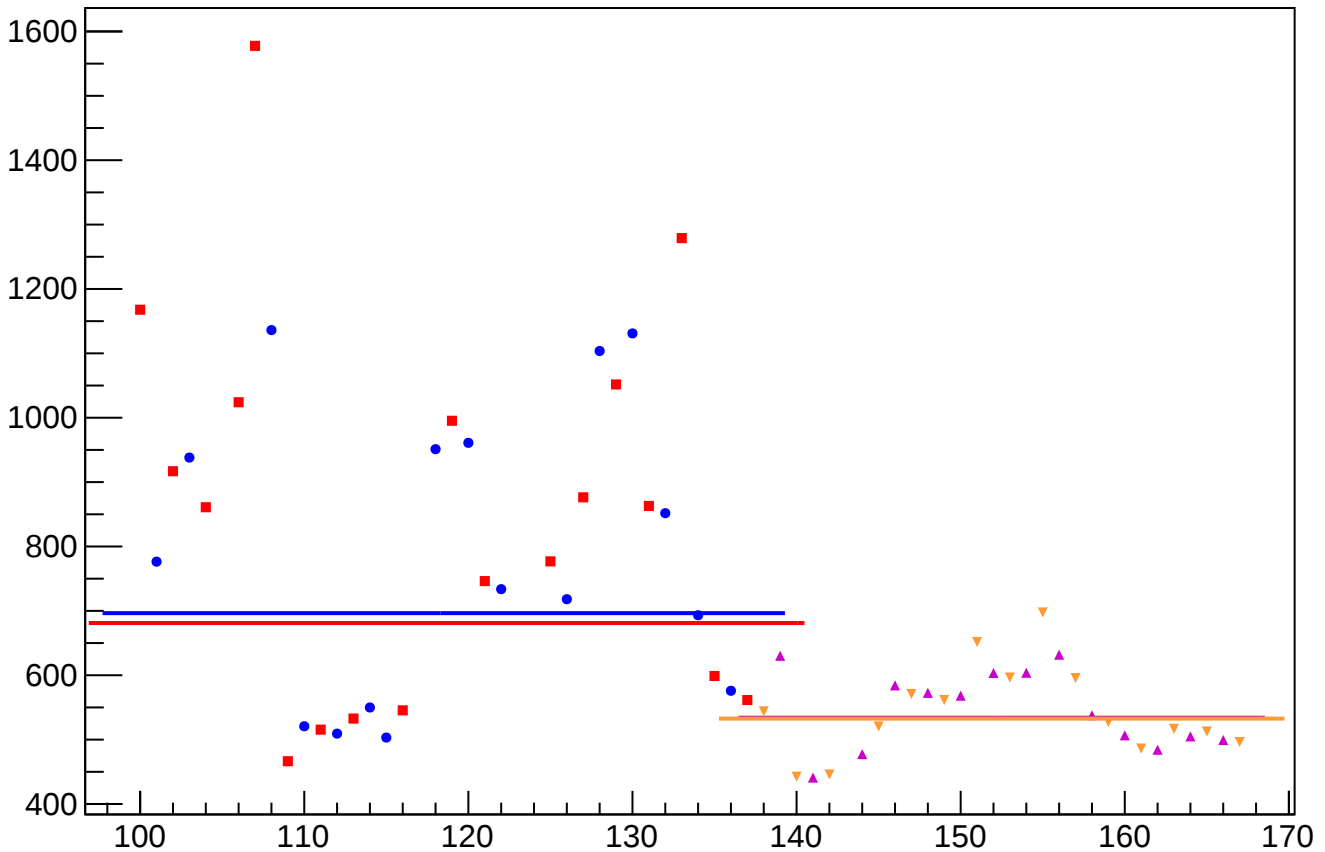
Left In: 7.790 ± 163.033 χ^2/NDF : 13.7/13

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

All: -439.274 ± 98.731 χ^2/NDF : 96.4/62

- sign -143.203 ± 139.957 χ^2/NDF : 26.9/31

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

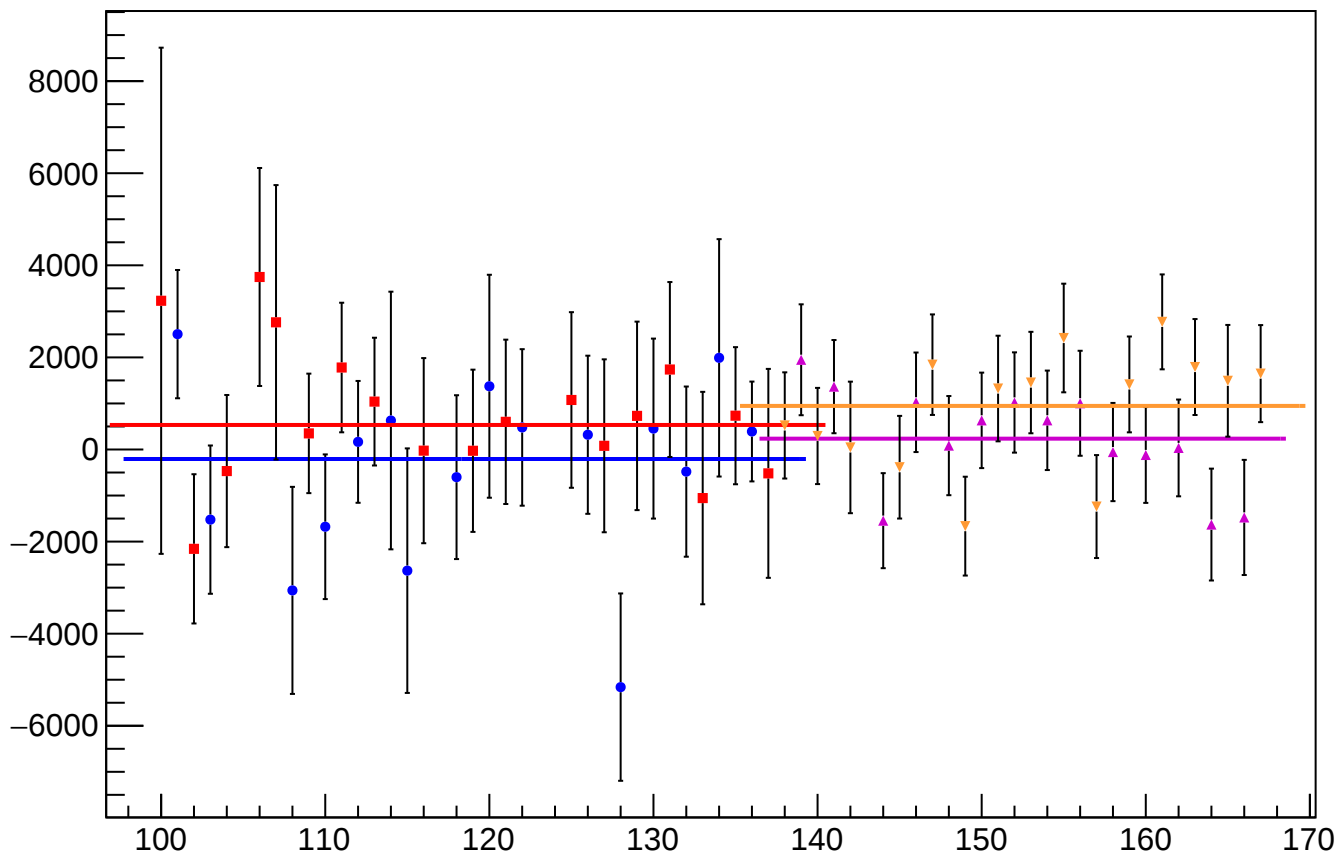
Left In: 534.051 ± 0.115 χ^2/NDF : 269344.7/13

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

All: 572.604 ± 0.070 χ^2/NDF : 3832225.9/62

- sign 572.739 ± 0.099 χ^2/NDF : 2050051.8/31

asym_us_dd_mean vs Slug



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

Left Out: 946.539 ± 287.016 χ^2/NDF : 19.3/14

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

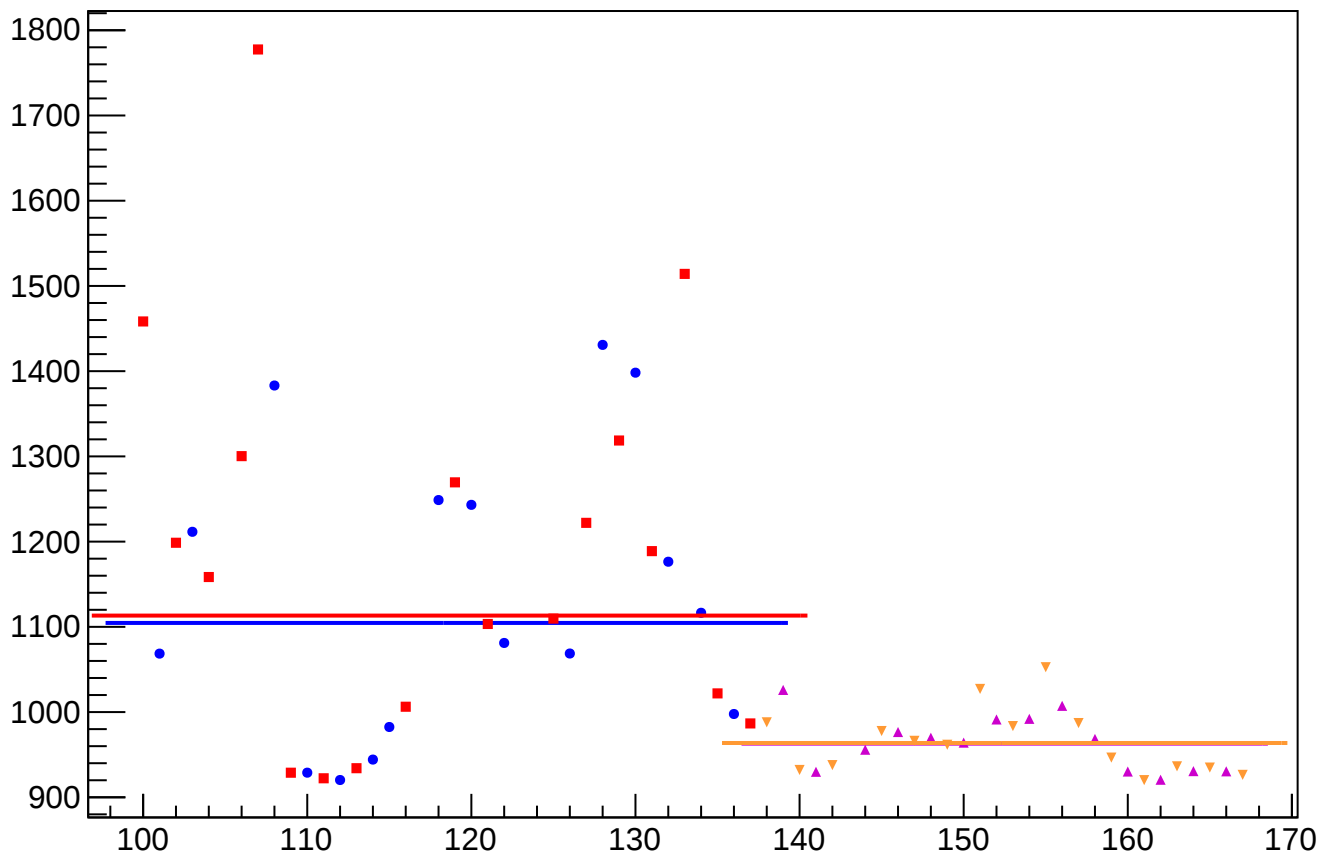
Left In: 235.245 ± 291.739 χ^2/NDF : 12.5/13

+ sign 595.477 ± 239.362 χ^2/NDF : 40.0/30

All: 463.550 ± 169.798 χ^2/NDF : 61.6/62

- sign 329.914 ± 240.907 χ^2/NDF : 21.0/31

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

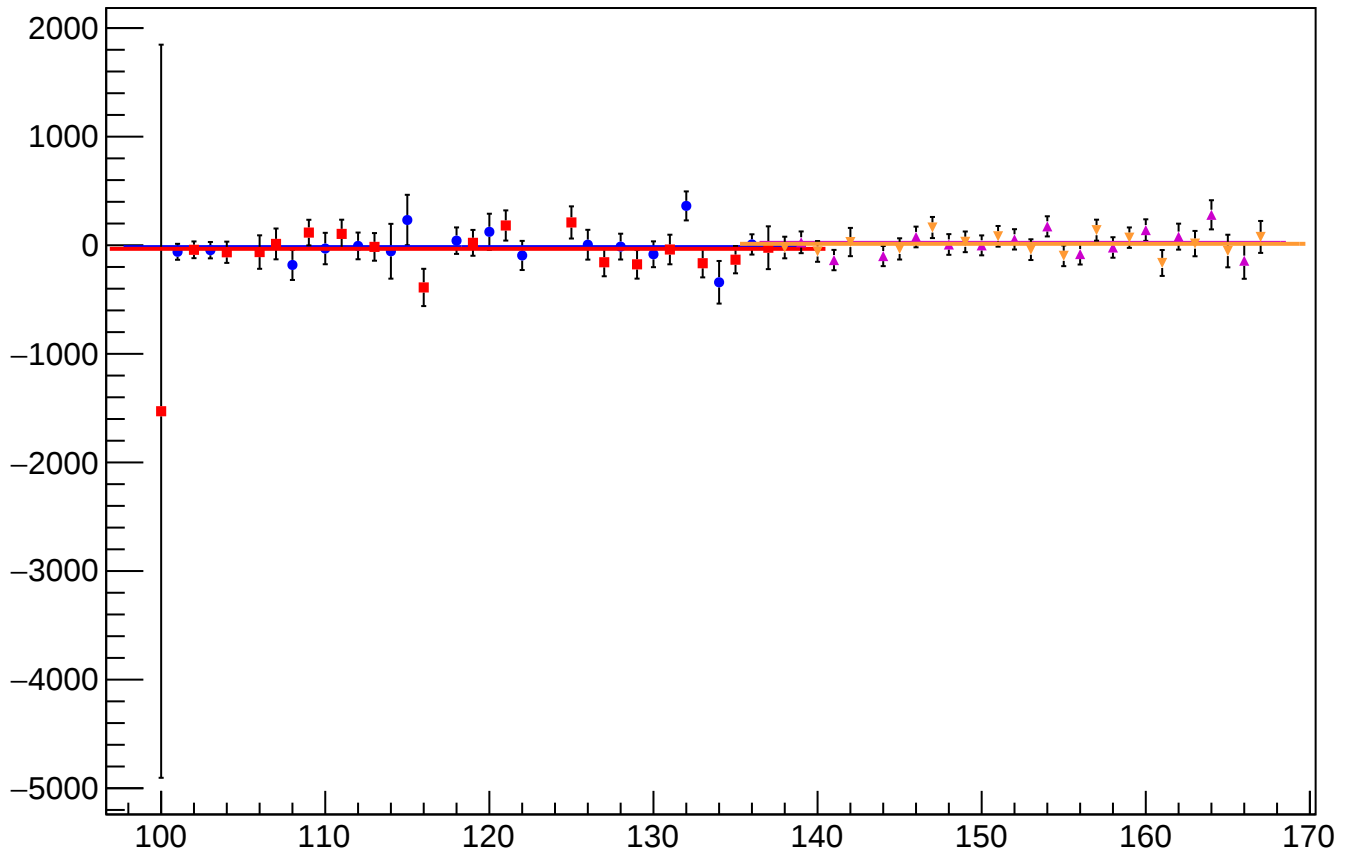
Left In: 962.965 $\pm$ 0.206 χ^2 /NDF: 21985.6/13

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

All: 1008.678 $\pm$ 0.120 χ^2 /NDF: 988074.4/62

- sign 1010.762 $\pm$ 0.170 χ^2 /NDF: 553722.6/31

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

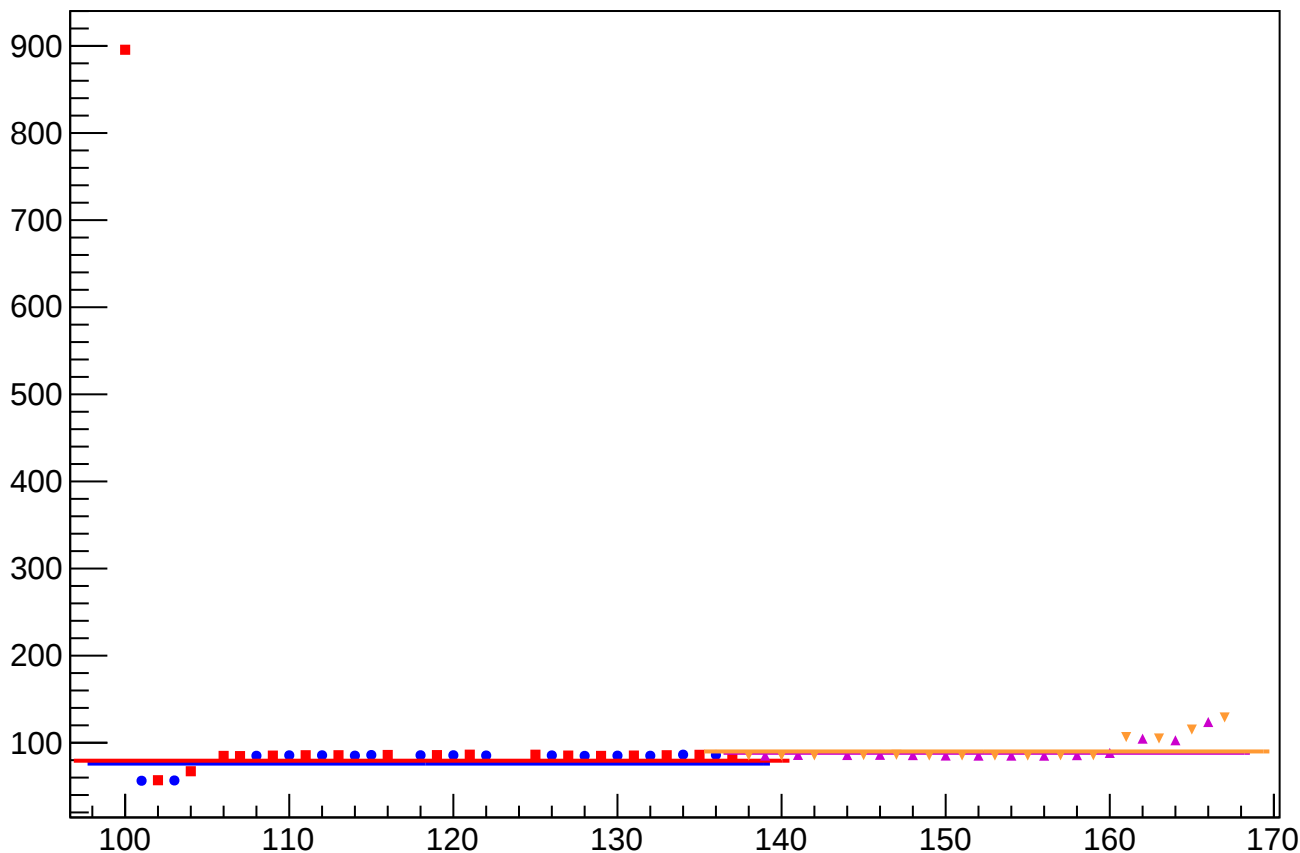
Left In: 21.849 ± 26.894 χ^2/NDF : 15.5/13

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

All: -1.277 ± 14.217 χ^2/NDF : 60.1/62

- sign -2.143 ± 20.157 χ^2/NDF : 33.8/31

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

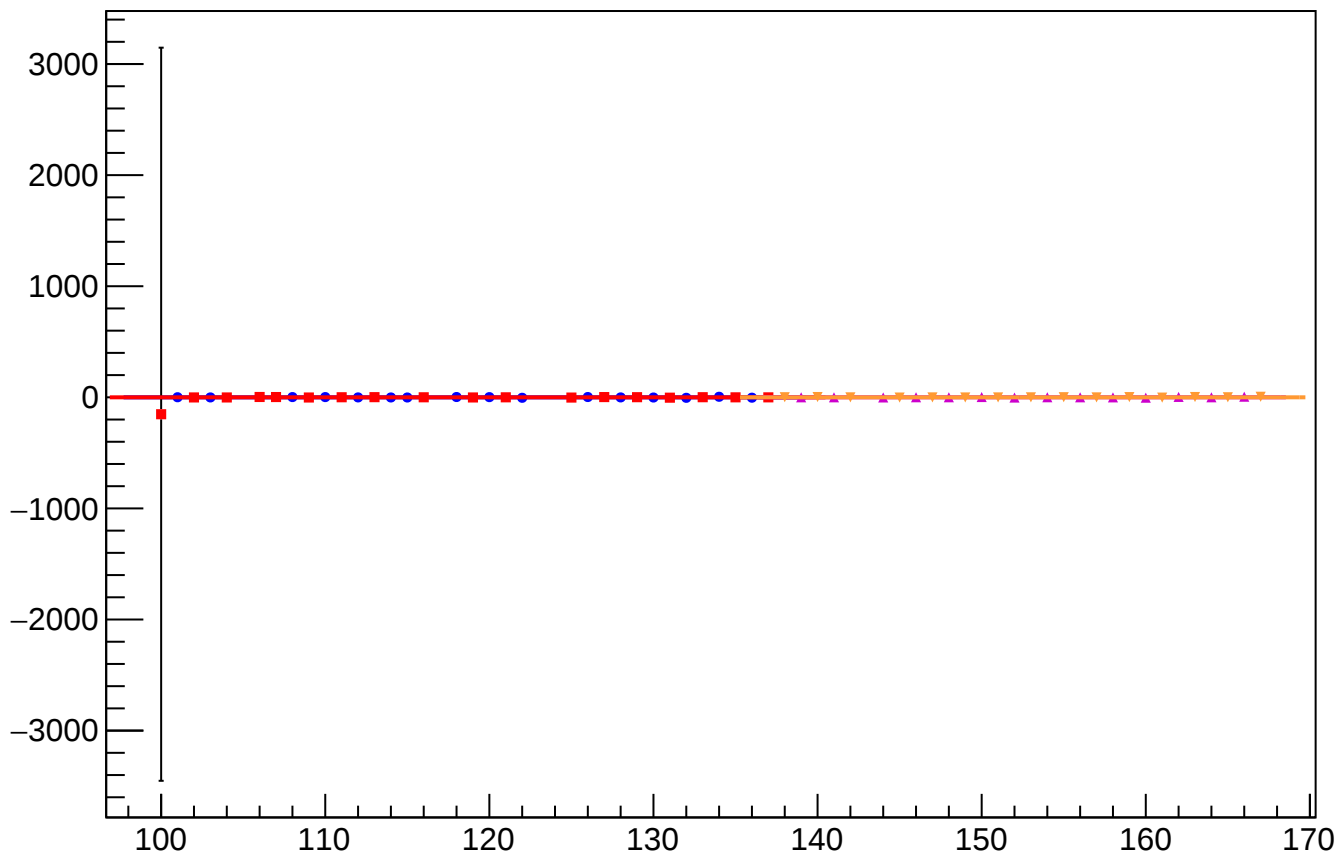
Left In: 88.452 $\pm$ 0.019 χ^2 /NDF: 168642.2/13

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

All: 84.127 $\pm$ 0.010 χ^2 /NDF: 1610431.6/62

- sign 84.480 $\pm$ 0.014 χ^2 /NDF: 646685.2/31

asym_ds_avg_correction_mean vs Slug



Right In: -0.281 $\pm$ 0.501 χ^2/NDF : 21.2/15

Left Out: -0.001 $\pm$ 0.458 χ^2/NDF : 12.7/14

Right Out: -0.078 $\pm$ 0.521 χ^2/NDF : 9.0/17

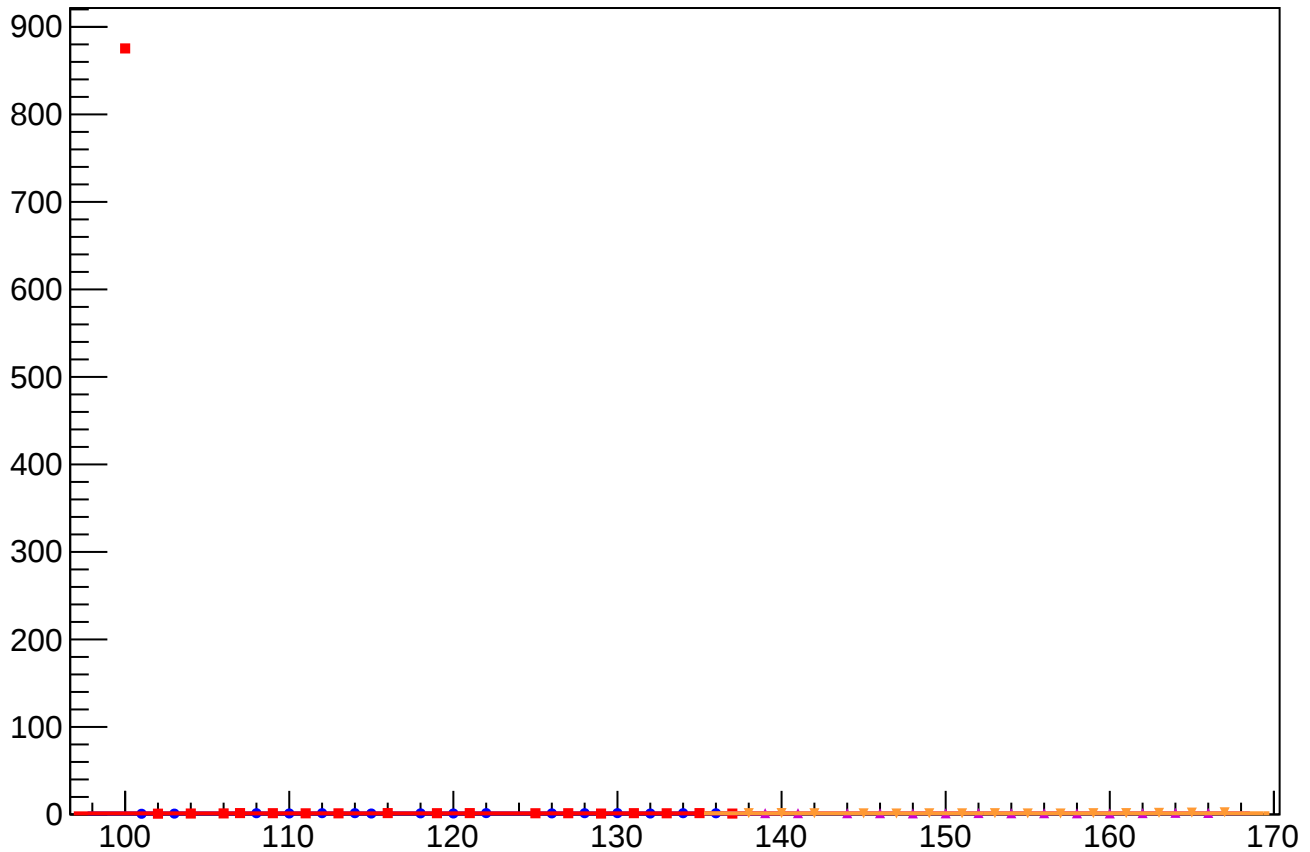
Left In: 0.336 $\pm$ 0.473 χ^2/NDF : 17.2/13

+ sign -0.128 $\pm$ 0.338 χ^2/NDF : 34.0/30

All: 0.006 $\pm$ 0.243 χ^2/NDF : 60.8/62

- sign 0.149 $\pm$ 0.350 χ^2/NDF : 26.5/31

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

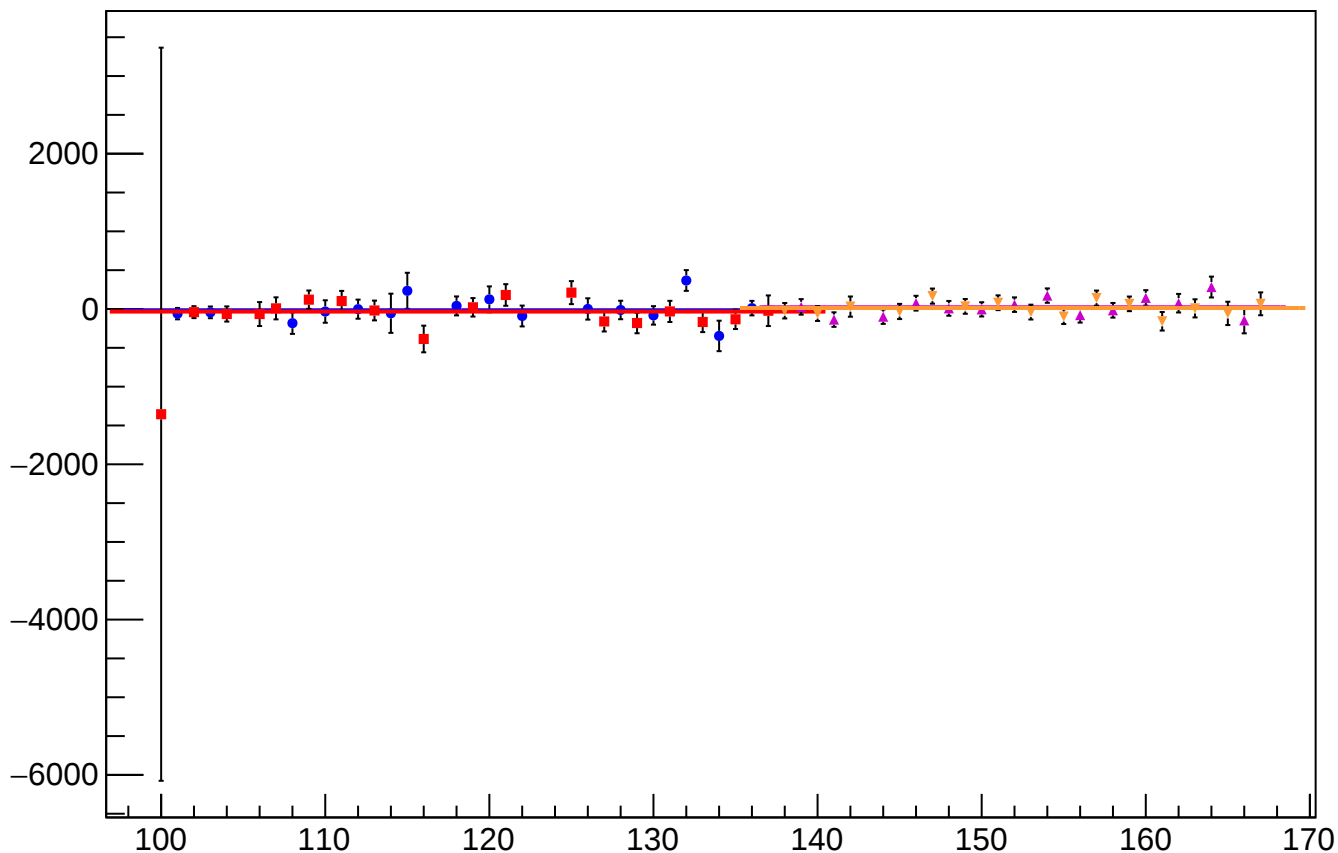
Left In: 1.425 $\pm$ 0.000 χ^2 /NDF: 197551.7/13

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

All: 1.304 $\pm$ 0.000 χ^2 /NDF: 2295029.0/62

- sign 1.344 $\pm$ 0.000 χ^2 /NDF: 842192.1/31

asym_ds_avg_mean vs Slug



Right In: -16.311 $\pm$ 29.996 χ^2/NDF : 15.9/15

Left Out: 12.637 $\pm$ 26.986 χ^2/NDF : 10.0/14

Right Out: -33.114 $\pm$ 30.455 χ^2/NDF : 16.5/17

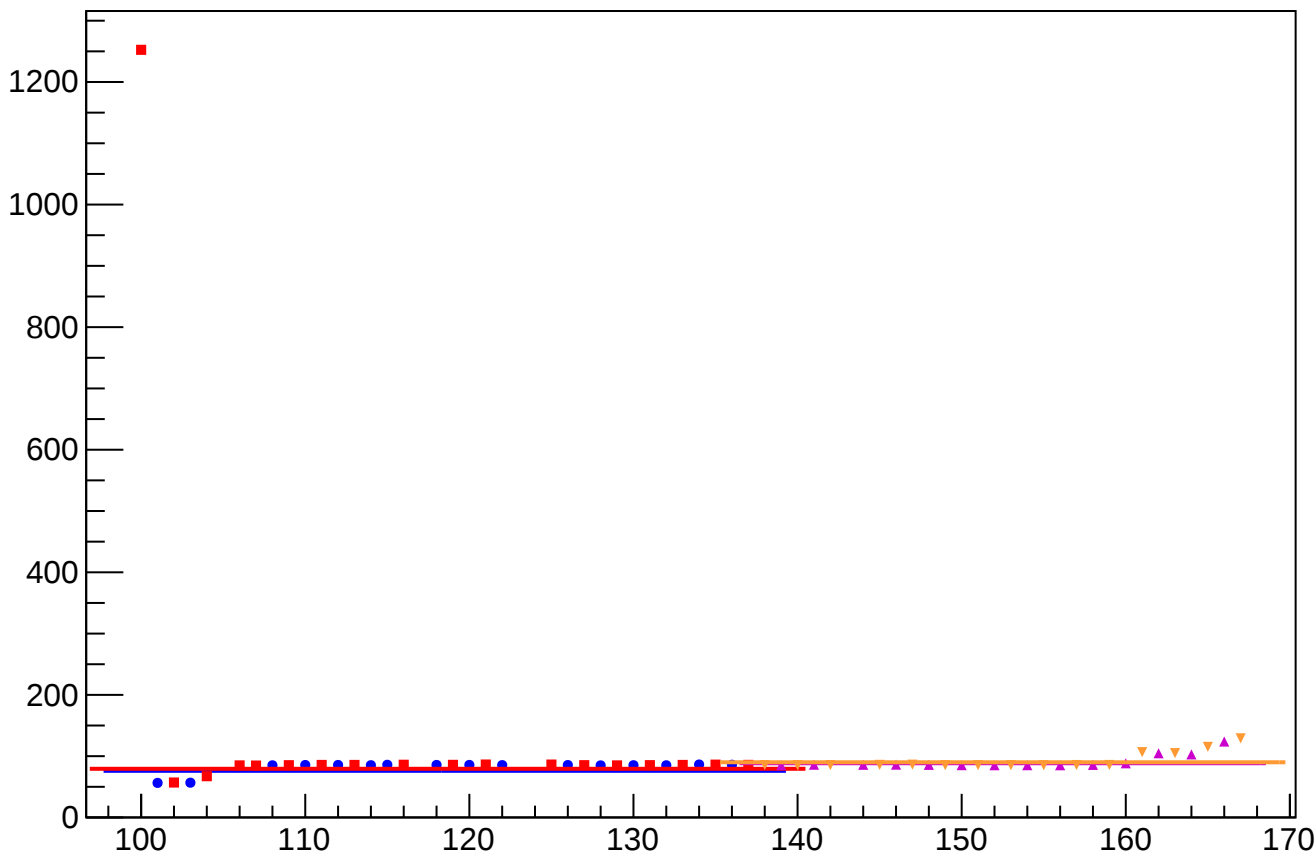
Left In: 22.085 $\pm$ 26.902 χ^2/NDF : 15.5/13

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

All: -1.206 $\pm$ 14.221 χ^2/NDF : 60.3/62

- sign -2.108 $\pm$ 20.162 χ^2/NDF : 33.8/31

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

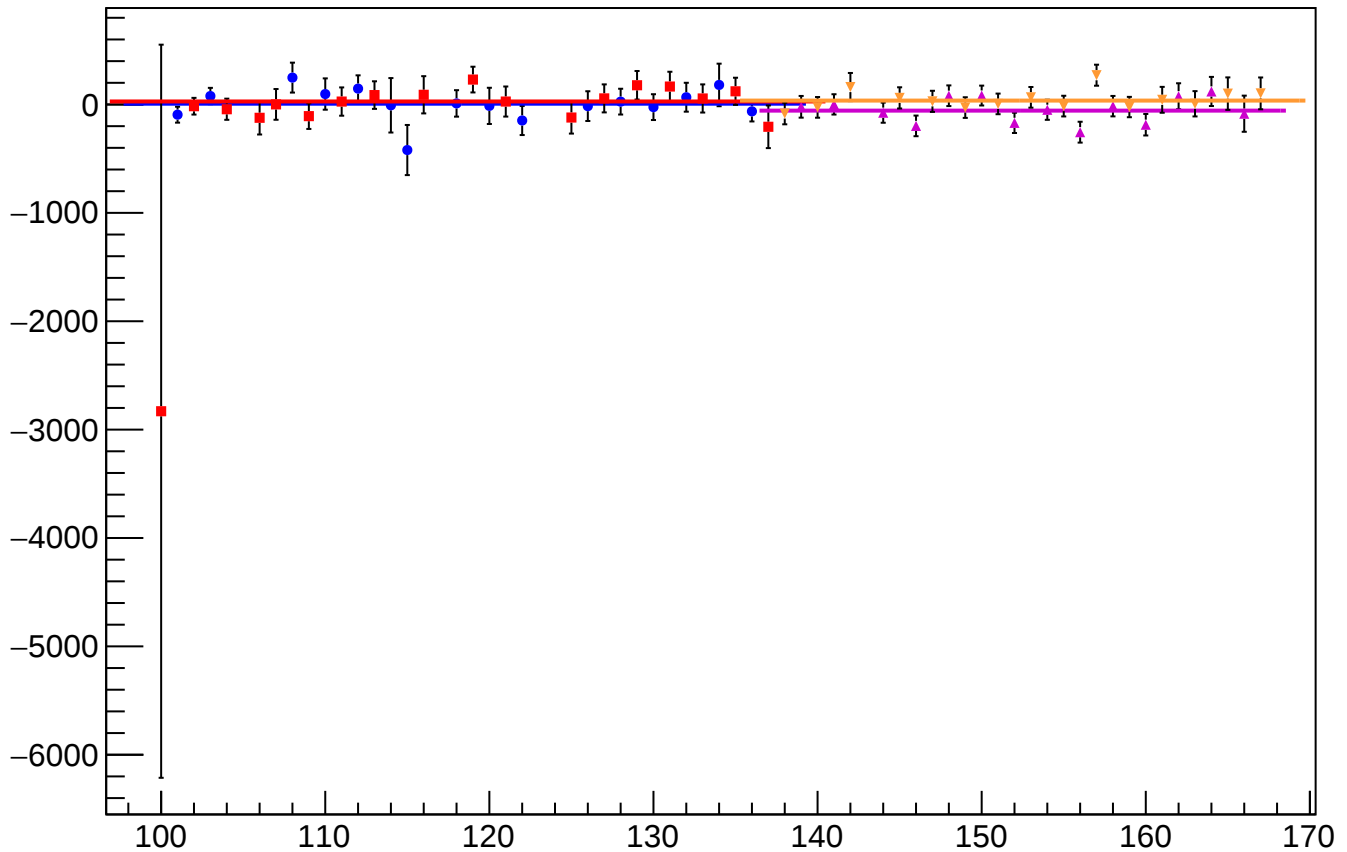
Left In: 88.476+/-0.019 χ^2/NDF : 168691.4/13

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

All: 84.146+/-0.010 χ^2/NDF : 1617772.8/62

- sign 84.495+/-0.014 χ^2/NDF : 653665.0/31

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

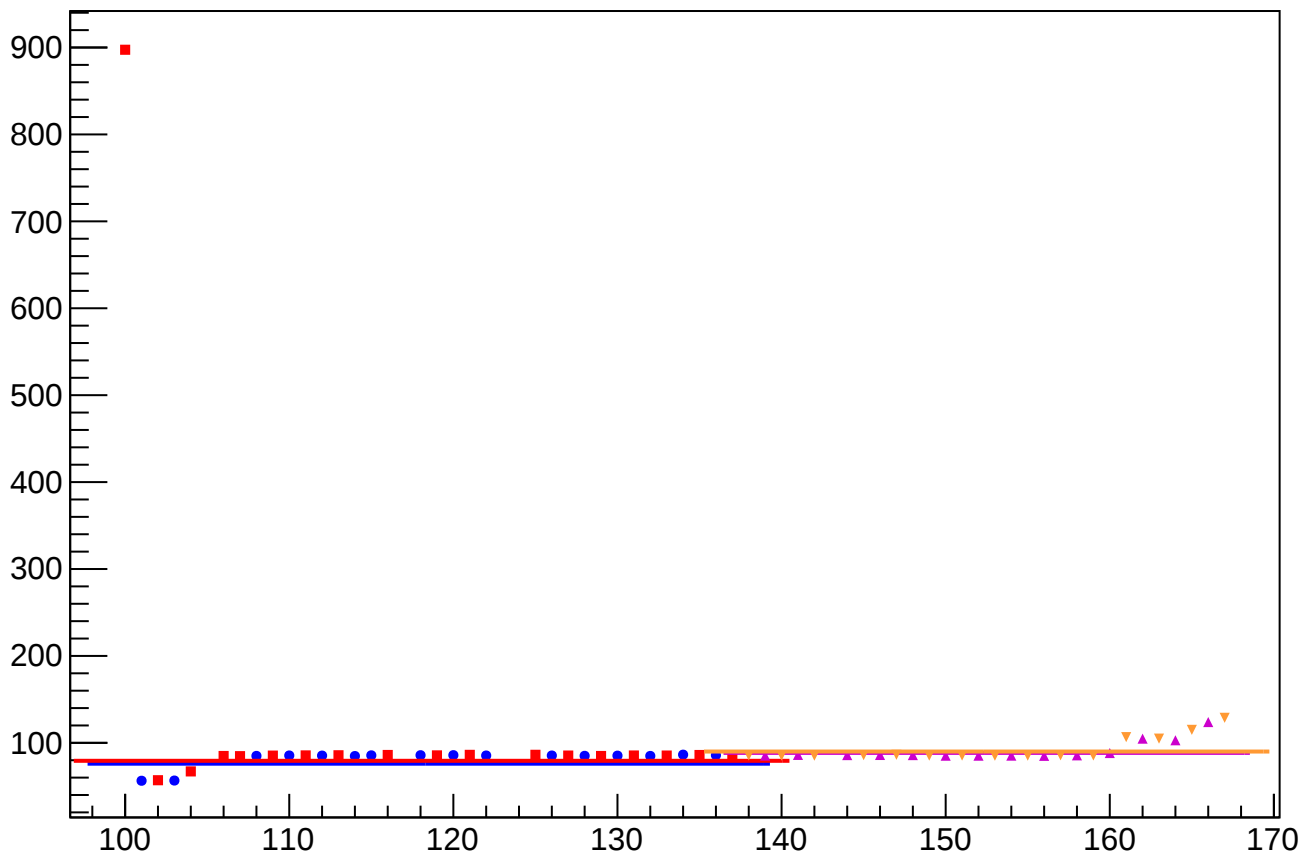
Left In: -56.580 ± 26.893 χ^2/NDF : 17.7/13

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

All: 1.982 ± 14.213 χ^2/NDF : 61.8/62

- sign -19.520 ± 20.151 χ^2/NDF : 34.6/31

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

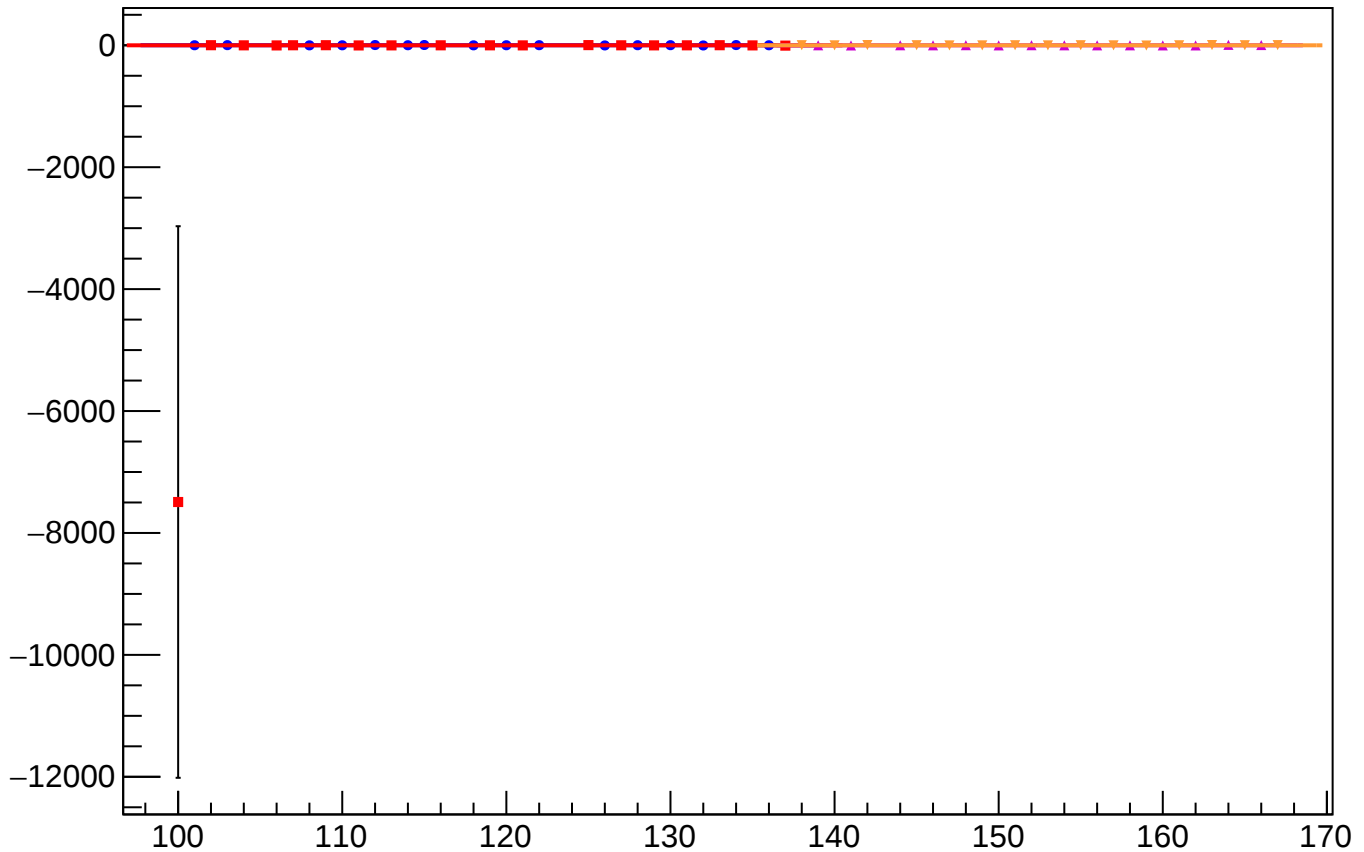
Left In: 88.446 $\pm$ 0.019 χ^2 /NDF: 169992.3/13

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

All: 84.099 $\pm$ 0.010 χ^2 /NDF: 1612173.6/62

- sign 84.453 $\pm$ 0.014 χ^2 /NDF: 648877.7/31

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

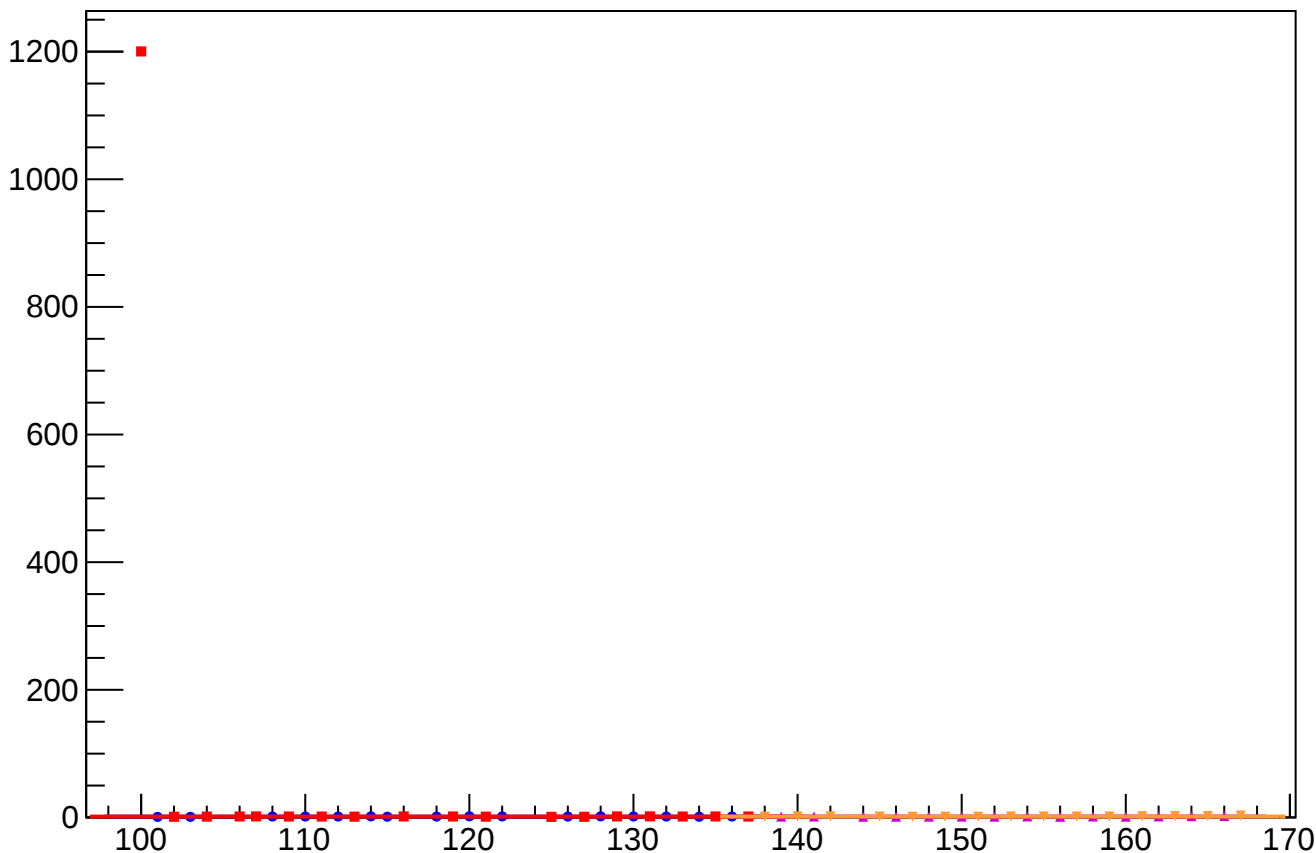
Left In: -0.070 ± 0.473 χ^2/NDF : 14.6/13

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

All: 0.015 ± 0.252 χ^2/NDF : 59.3/62

- sign -0.174 ± 0.358 χ^2/NDF : 27.3/31

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

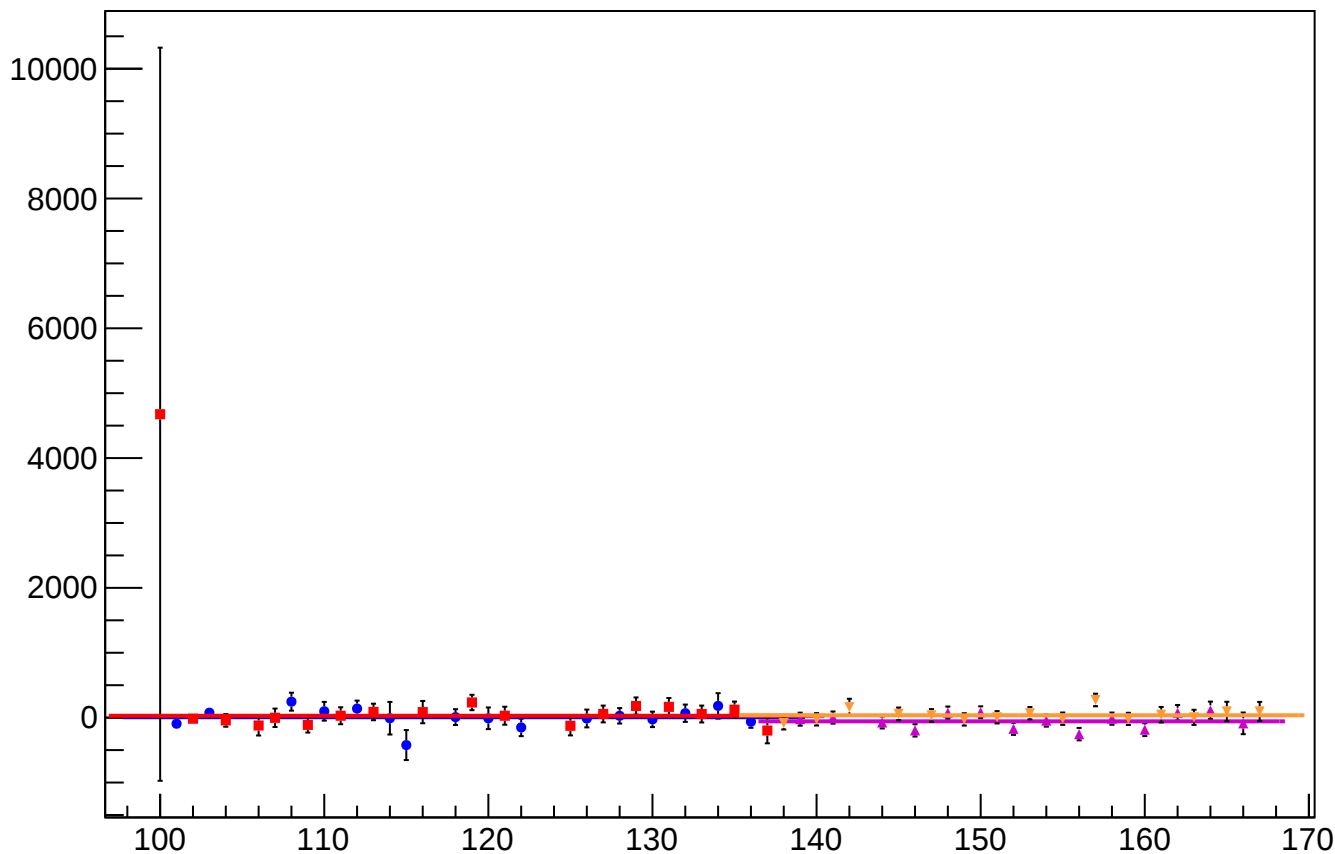
Left In: 1.415 $\pm$ 0.000 χ^2 /NDF:460355.2/13

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

All: 1.357 $\pm$ 0.000 χ^2 /NDF: 2802024.3/62

- sign 1.373 $\pm$ 0.000 χ^2 /NDF: 1018109.5/31

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

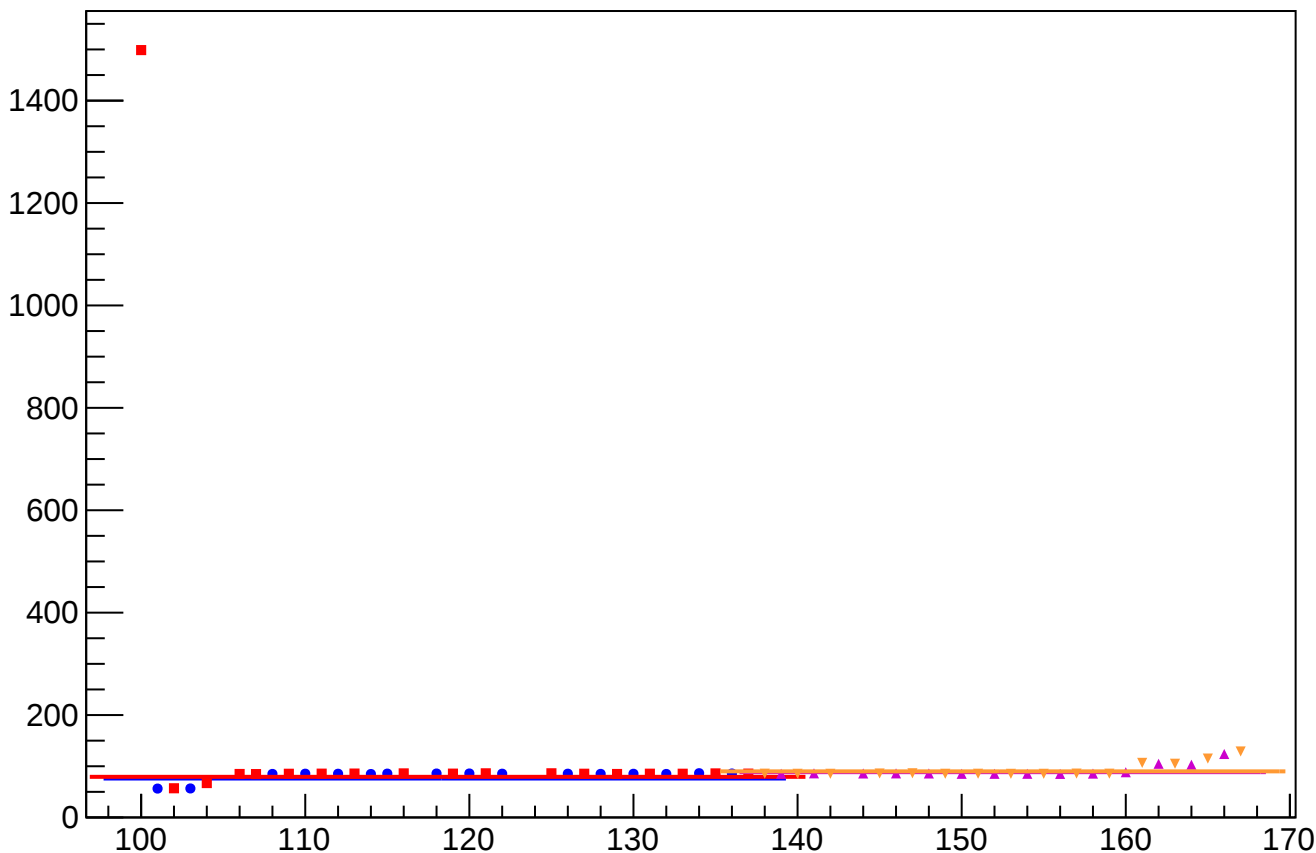
Left In: -56.991 ± 26.901 χ^2/NDF : 17.4/13

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

All: 2.018 ± 14.217 χ^2/NDF : 61.6/62

- sign -19.475 ± 20.157 χ^2/NDF : 34.5/31

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

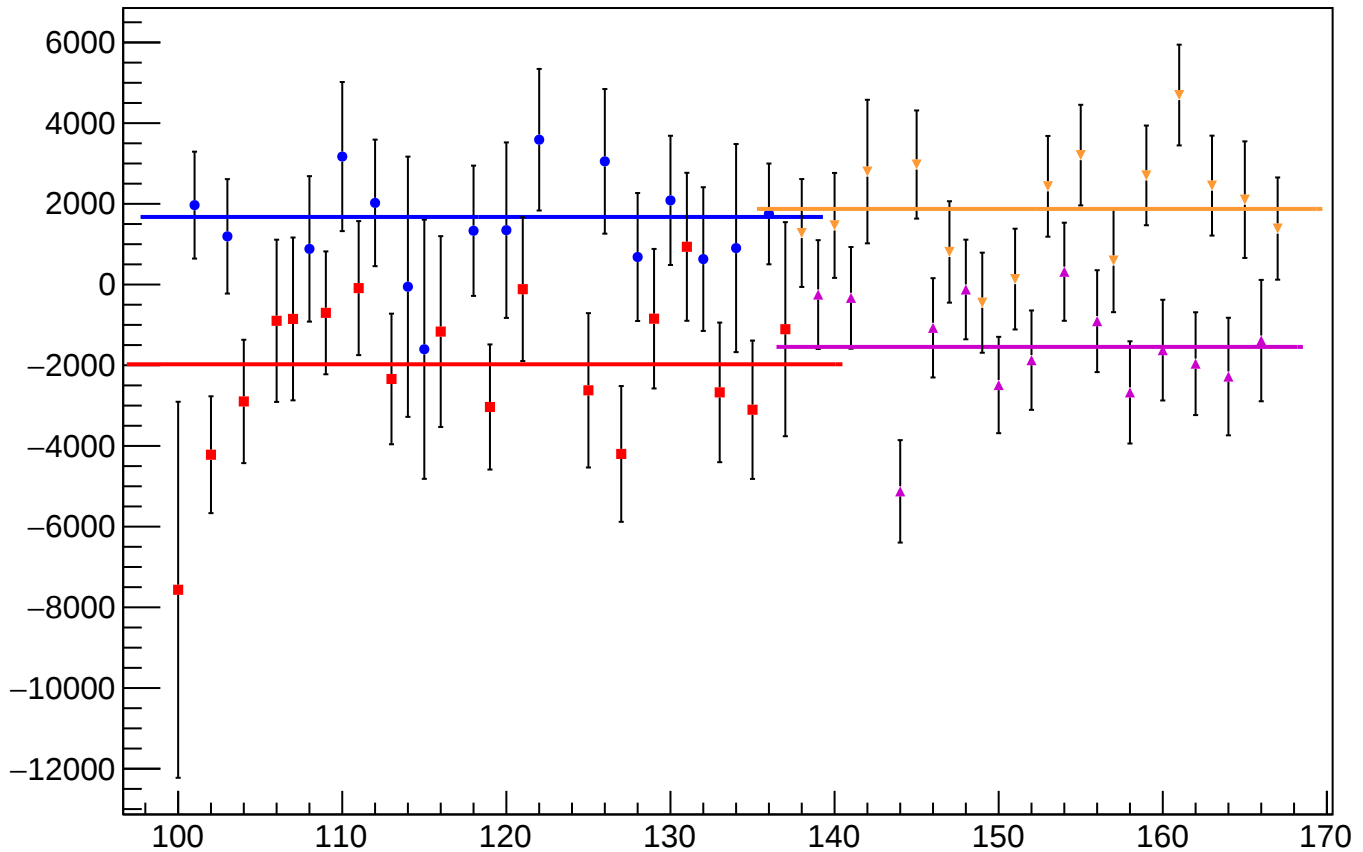
Left In: 88.470 $\pm$ 0.019 χ^2 /NDF: 170063.1/13

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

All: 84.116 $\pm$ 0.010 χ^2 /NDF: 1622405.1/62

- sign 84.465 $\pm$ 0.014 χ^2 /NDF: 658768.1/31

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

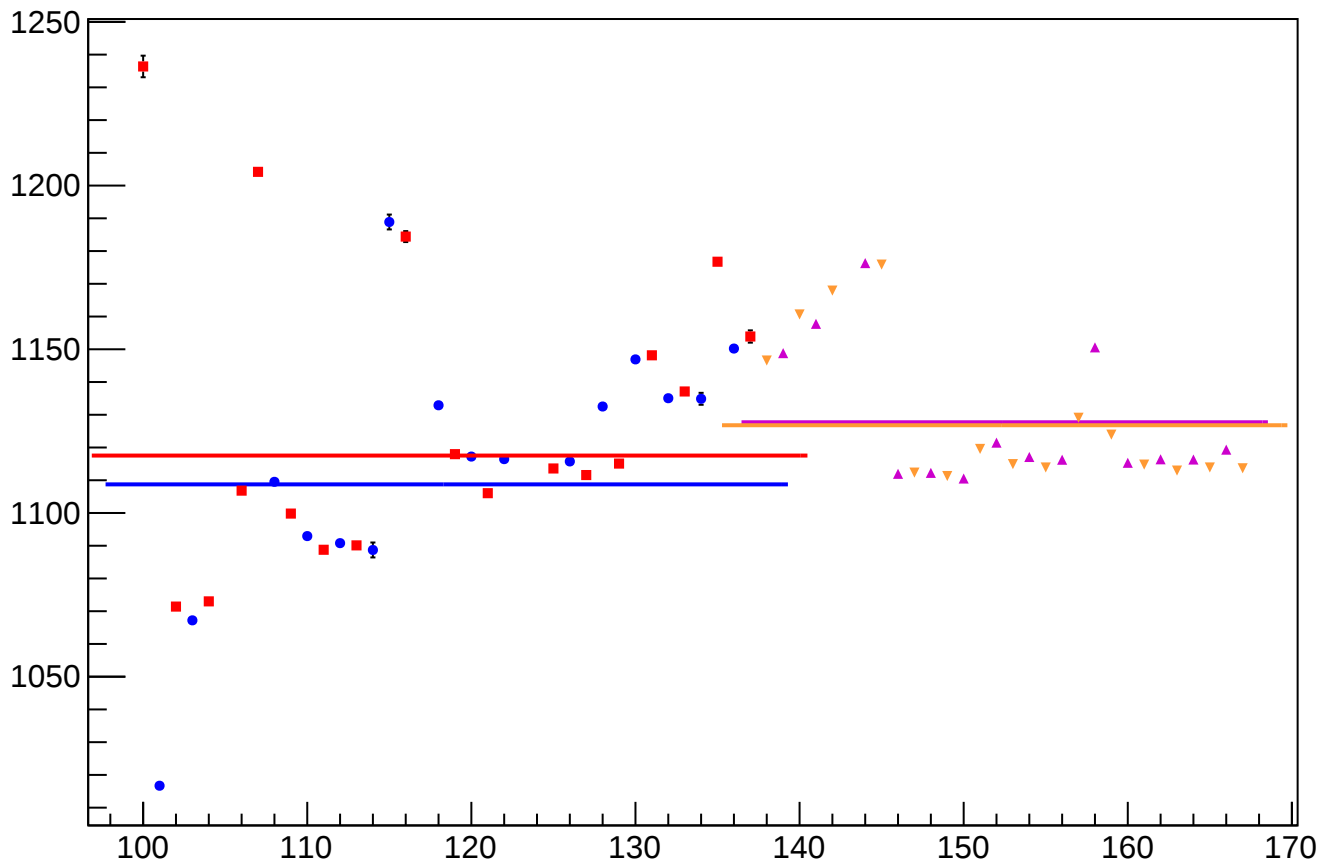
Left In: -1545.530 $\pm$ 341.456 χ^2 /NDF:15.8/13

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

All: 48.232 $\pm$ 187.416 χ^2 /NDF: 139.3/62

- sign -1715.770 $\pm$ 265.546 χ^2 /NDF: 30.4/31

reg_asym_usl_rms vs Slug



Right In: 1108.739 ± 0.304 χ^2/NDF : 18080.7/15

Left Out: 1126.800 ± 0.237 χ^2/NDF : 7409.2/14

Right Out: 1117.539 ± 0.299 χ^2/NDF : 15515.2/17

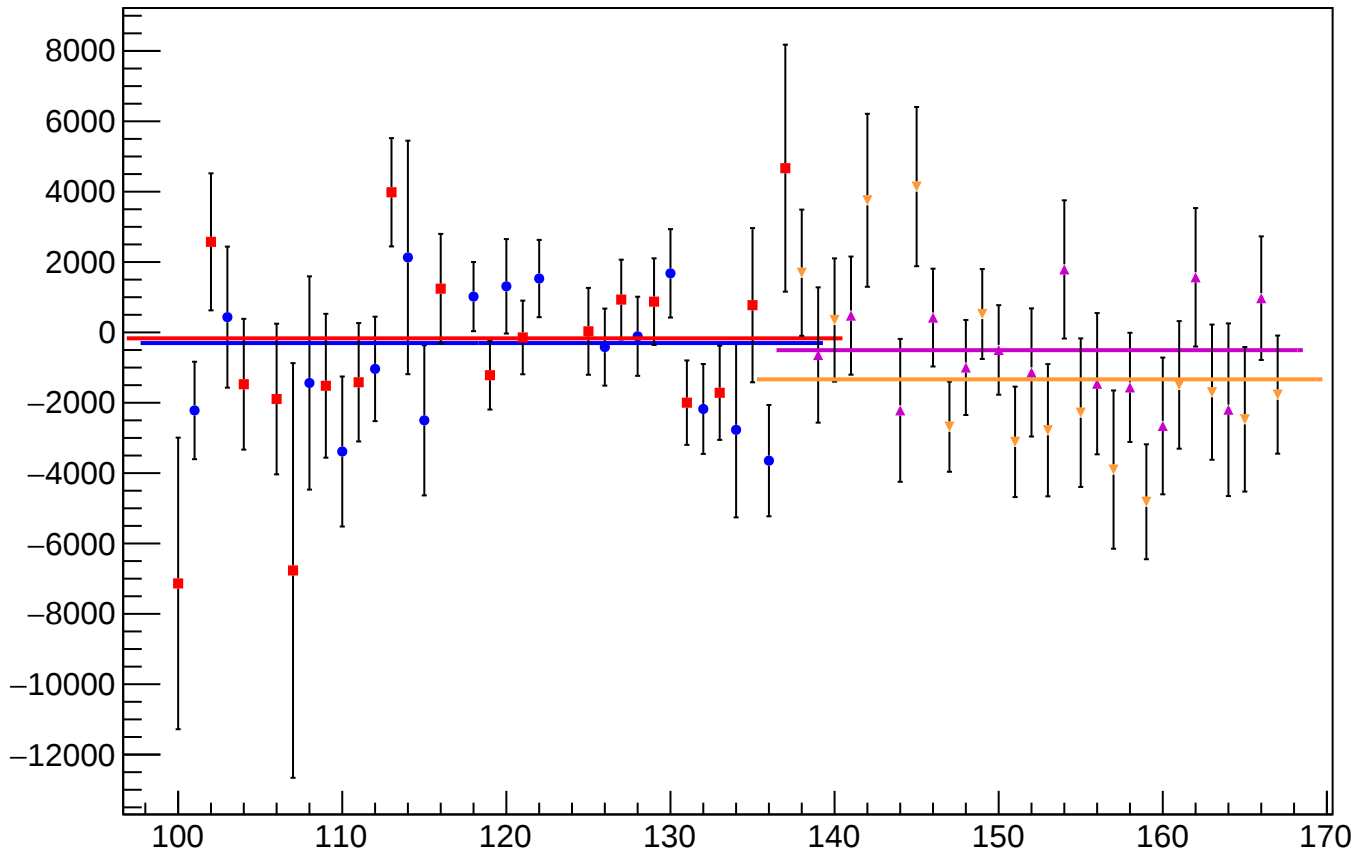
Left In: 1127.706 ± 0.241 χ^2/NDF : 7175.0/13

+ sign 1119.983 ± 0.187 χ^2/NDF : 27680.3/30

All: 1121.829 ± 0.133 χ^2/NDF : 51266.7/62

- sign 1123.688 ± 0.188 χ^2/NDF : 23391.0/31

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

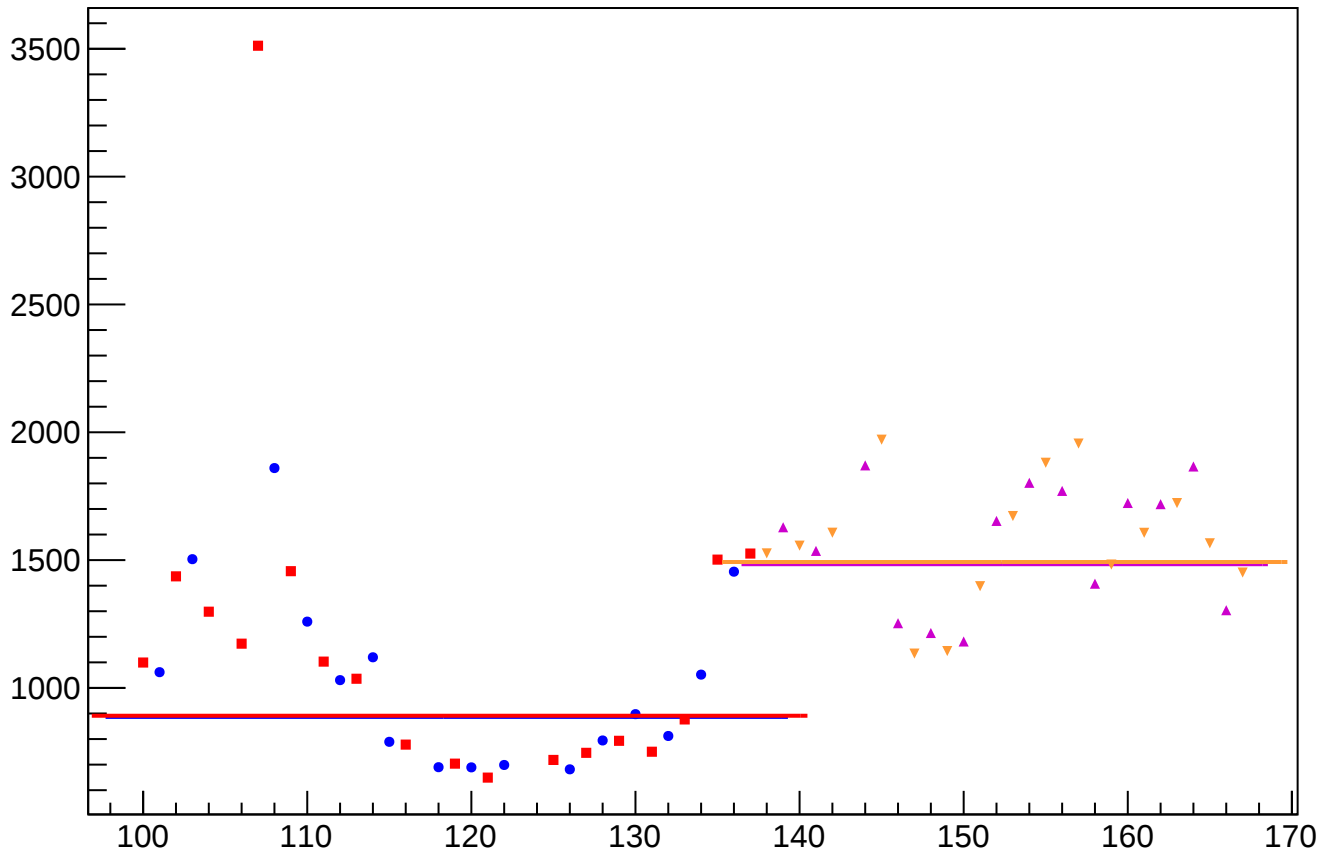
Left In: -505.293 ± 457.000 χ^2/NDF : 7.3/13

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

All: -498.571 ± 198.998 χ^2/NDF : 84.5/62

- sign -296.015 ± 280.960 χ^2/NDF : 32.5/31

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

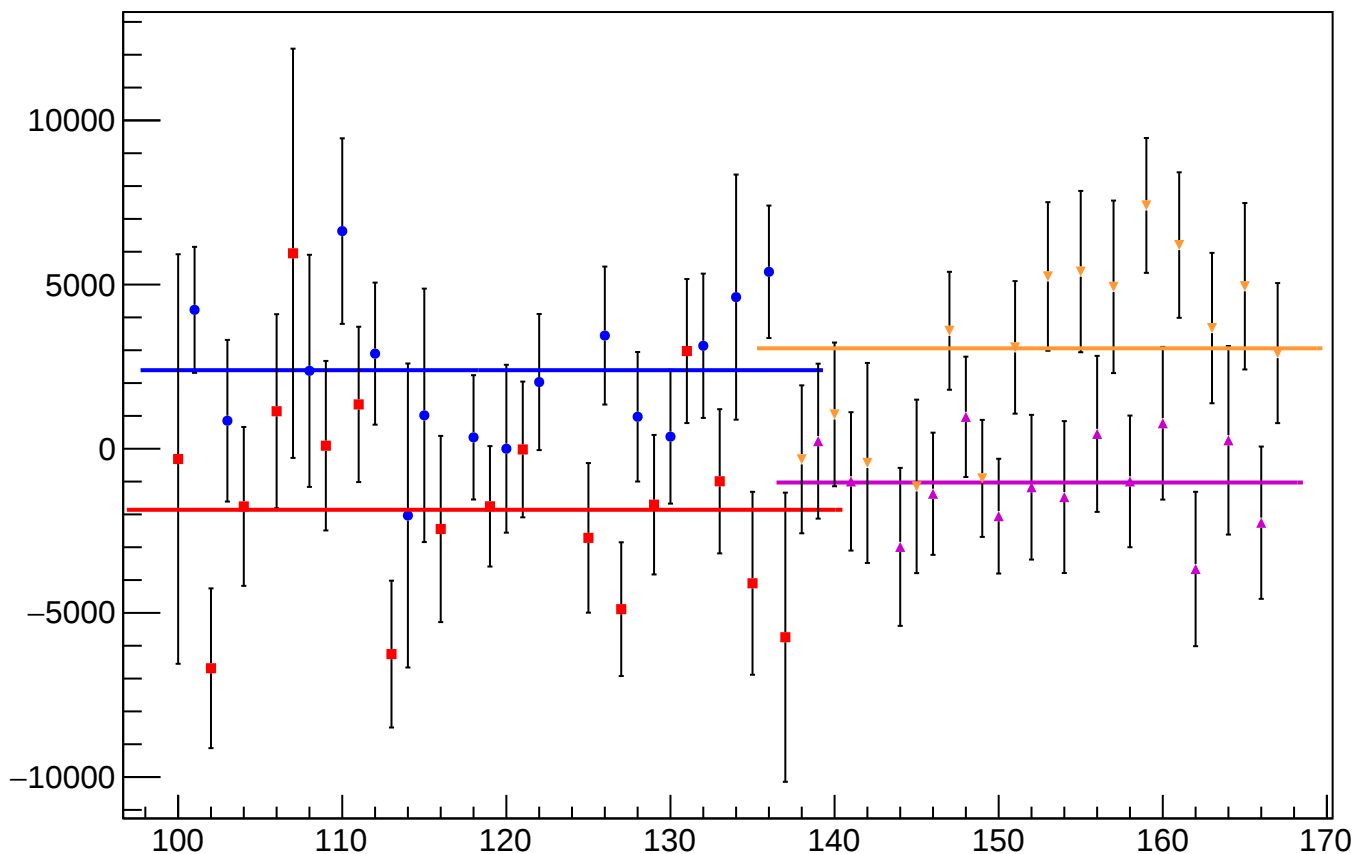
Left In: 1483.957 $\pm$ 0.323 χ^2 /NDF: 576849.6/13

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

All: 1118.216 $\pm$ 0.141 χ^2 /NDF: 7957759.8/62

- sign 1115.242 $\pm$ 0.199 χ^2 /NDF: 4084027.9/31

asym_usl_mean vs Slug



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

Left Out: 3057.916 $\pm$ 573.540 χ^2 /NDF:21.5/14

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

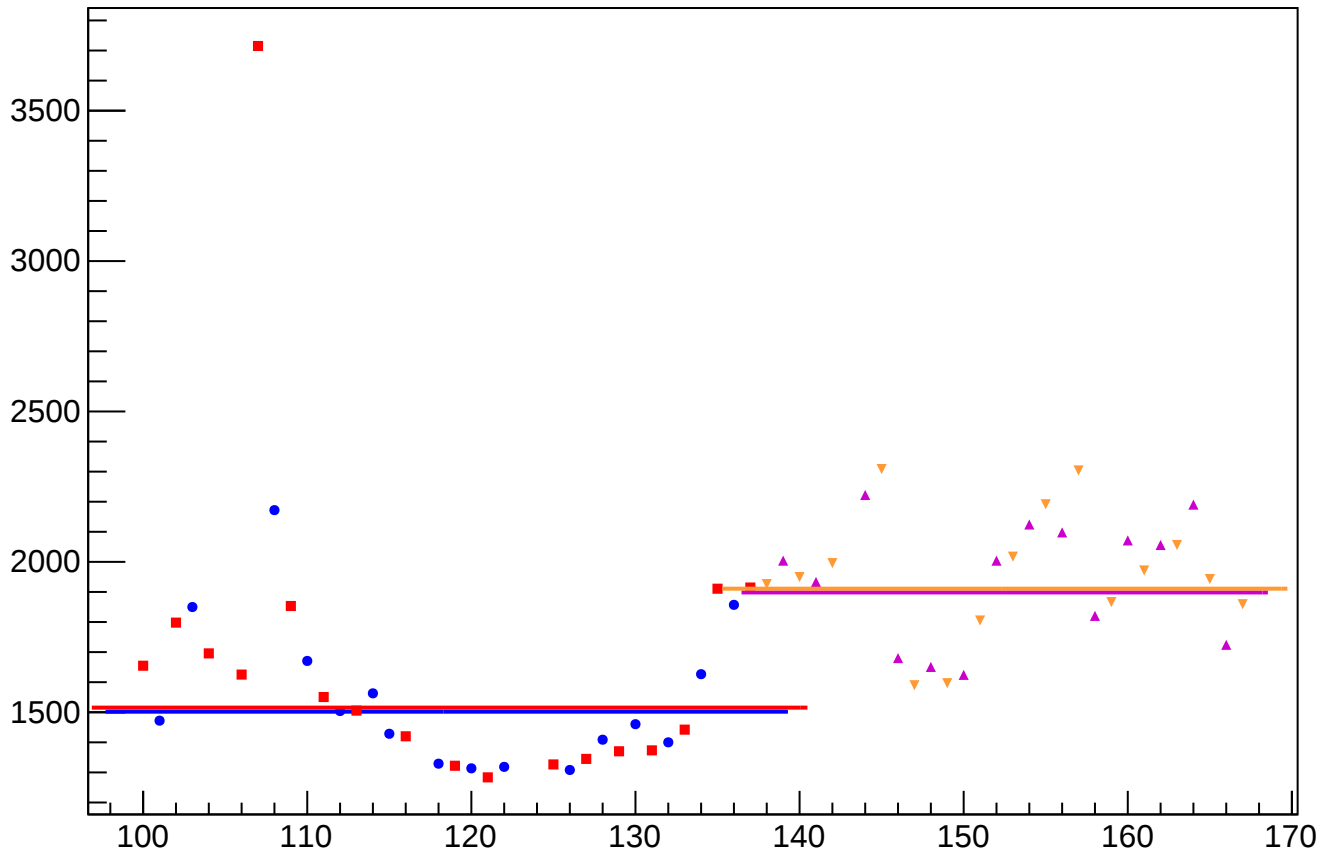
Left In: -1028.670 $\pm$ 578.968 χ^2 /NDF:5.3/13

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

All: 646.063 $\pm$ 290.536 χ^2 /NDF: 113.7/62

- sign -1441.299 $\pm$ 410.852 χ^2 /NDF: 28.8/31

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

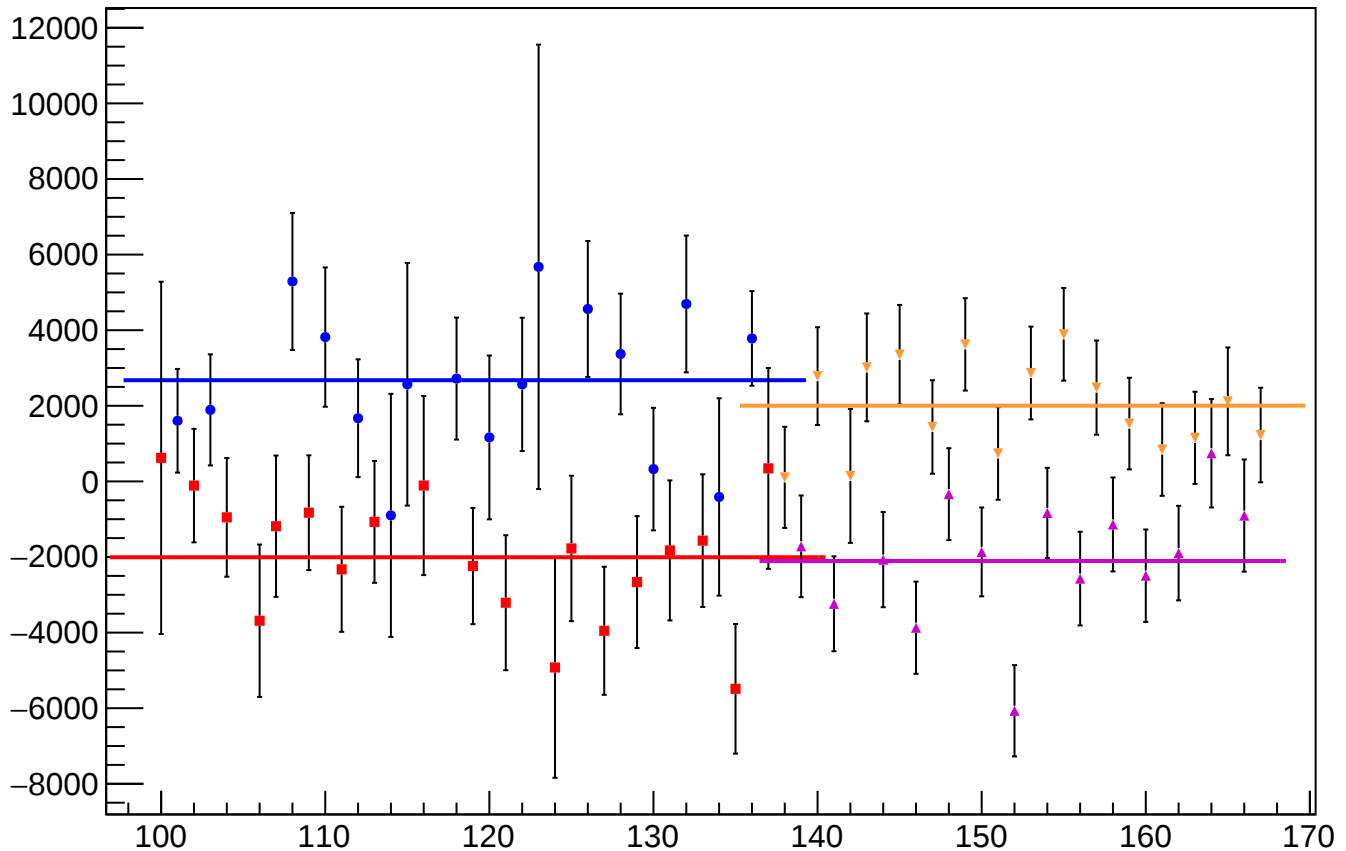
Left In: 1898.326+/-0.409 χ^2/NDF : 246820.4/13

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

All: 1710.043+/-0.205 χ^2/NDF : 2176866.3/62

- sign 1708.234+/-0.291 χ^2/NDF : 1160885.5/31

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

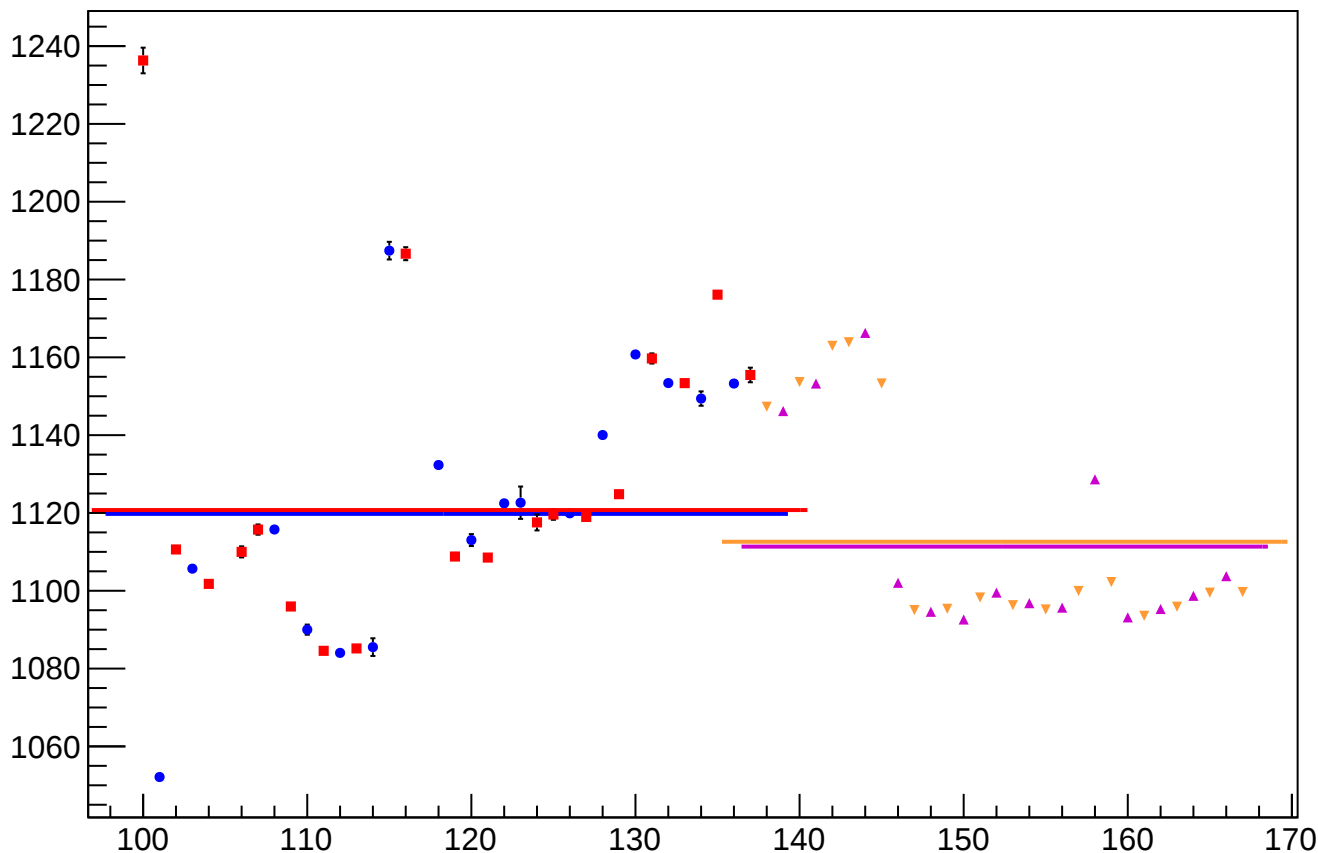
Left In: -2104.891+/-336.530 χ^2/NDF :22.5/13

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

All: 121.353+/-184.115 χ^2/NDF : 199.4/65

- sign -2066.357+/-262.419 χ^2/NDF : 35.4/32

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

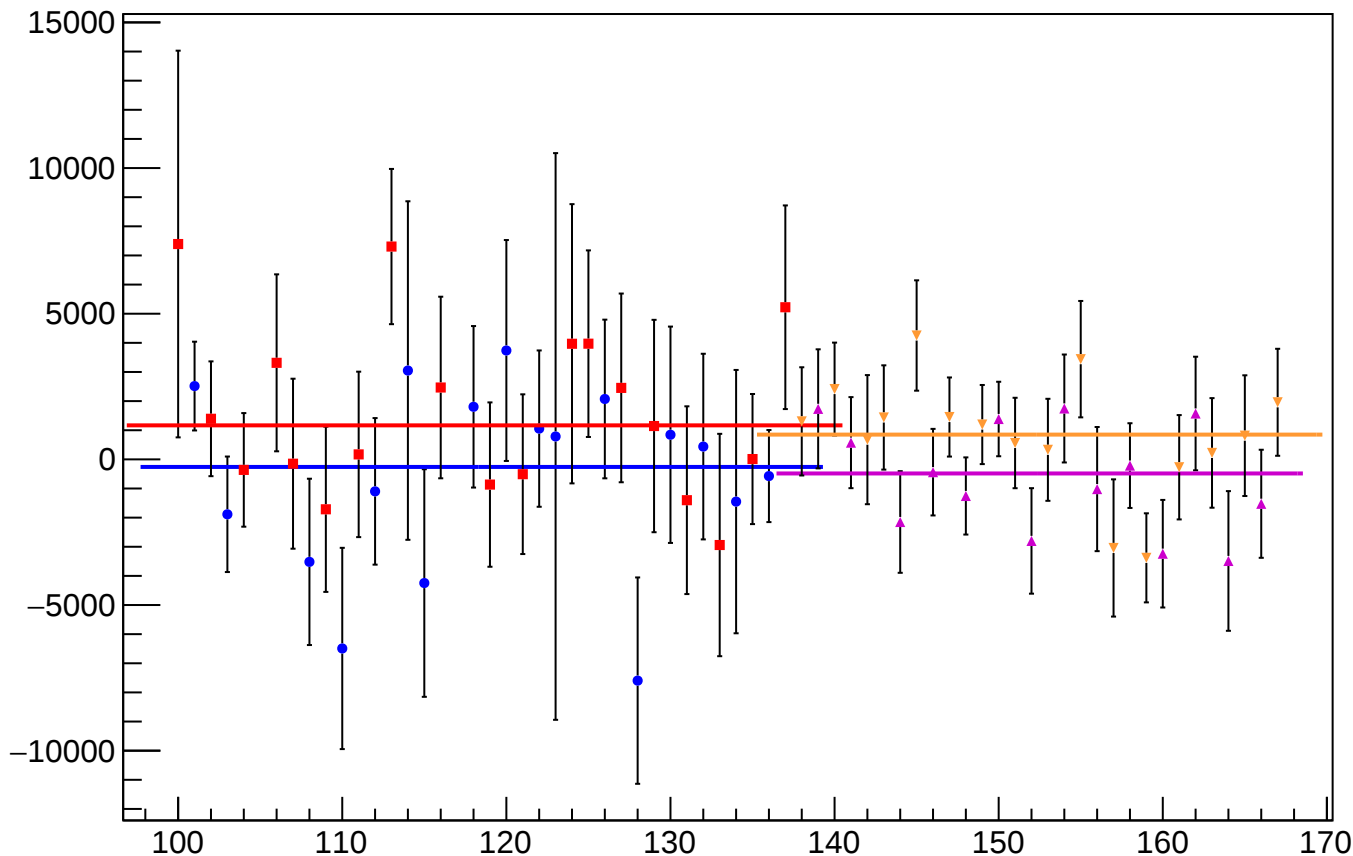
Left In: 1111.351 $\pm$ 0.238 χ^2 /NDF:10563.6/13

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

All: 1115.089 $\pm$ 0.130 χ^2 /NDF: 46238.5/65

- sign 1115.033 $\pm$ 0.186 χ^2 /NDF: 21108.7/32

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

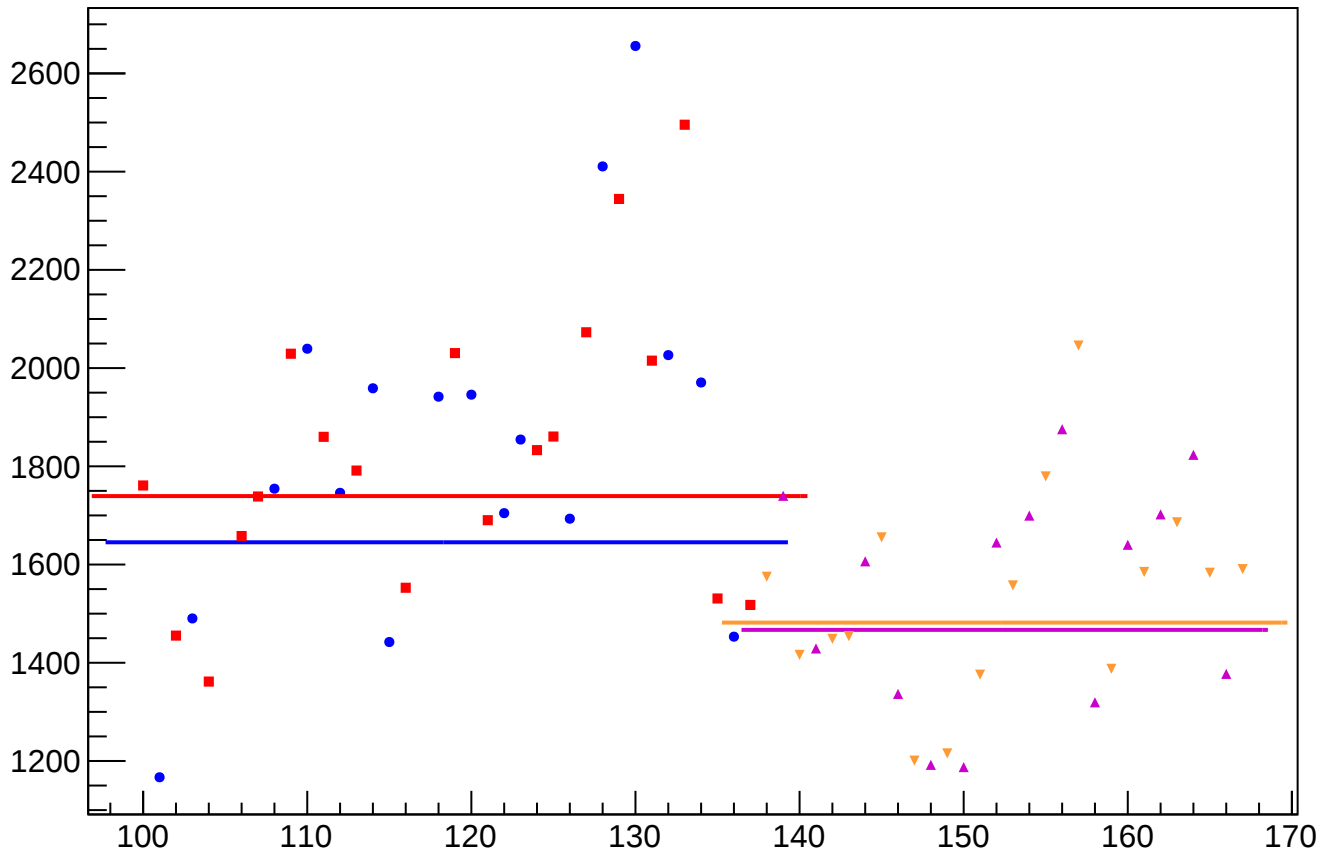
Left In: -483.556 ± 450.707 χ^2/NDF : 13.4/13

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

All: 281.379 ± 259.789 χ^2/NDF : 69.8/65

- sign 38.931 ± 372.634 χ^2/NDF : 32.1/32

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

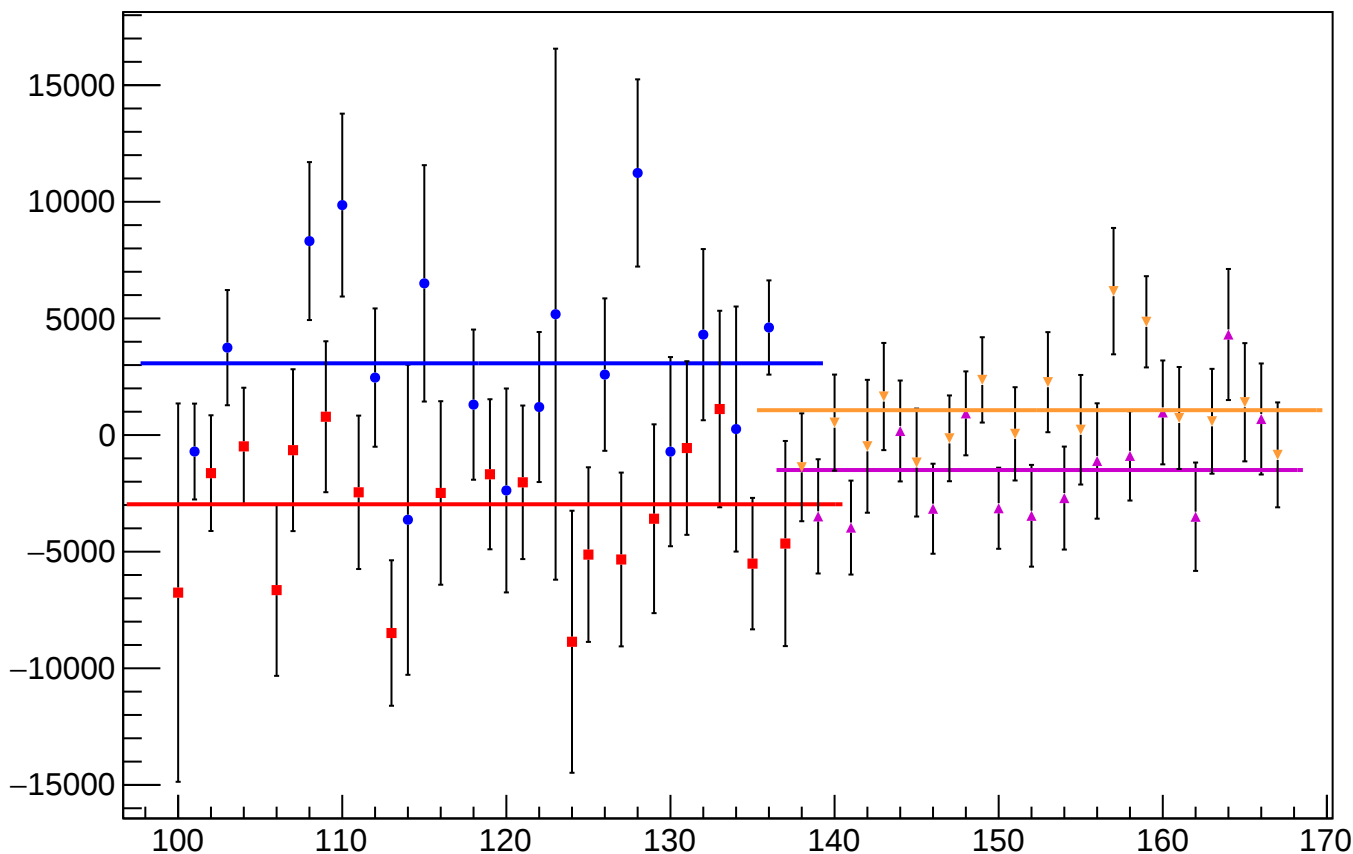
Left In: 1466.972+/-0.319 χ^2/NDF : 487163.5/13

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

All: 1542.187+/-0.184 χ^2/NDF : 2190711.4/65

- sign 1553.173+/-0.263 χ^2/NDF : 1089368.9/32

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

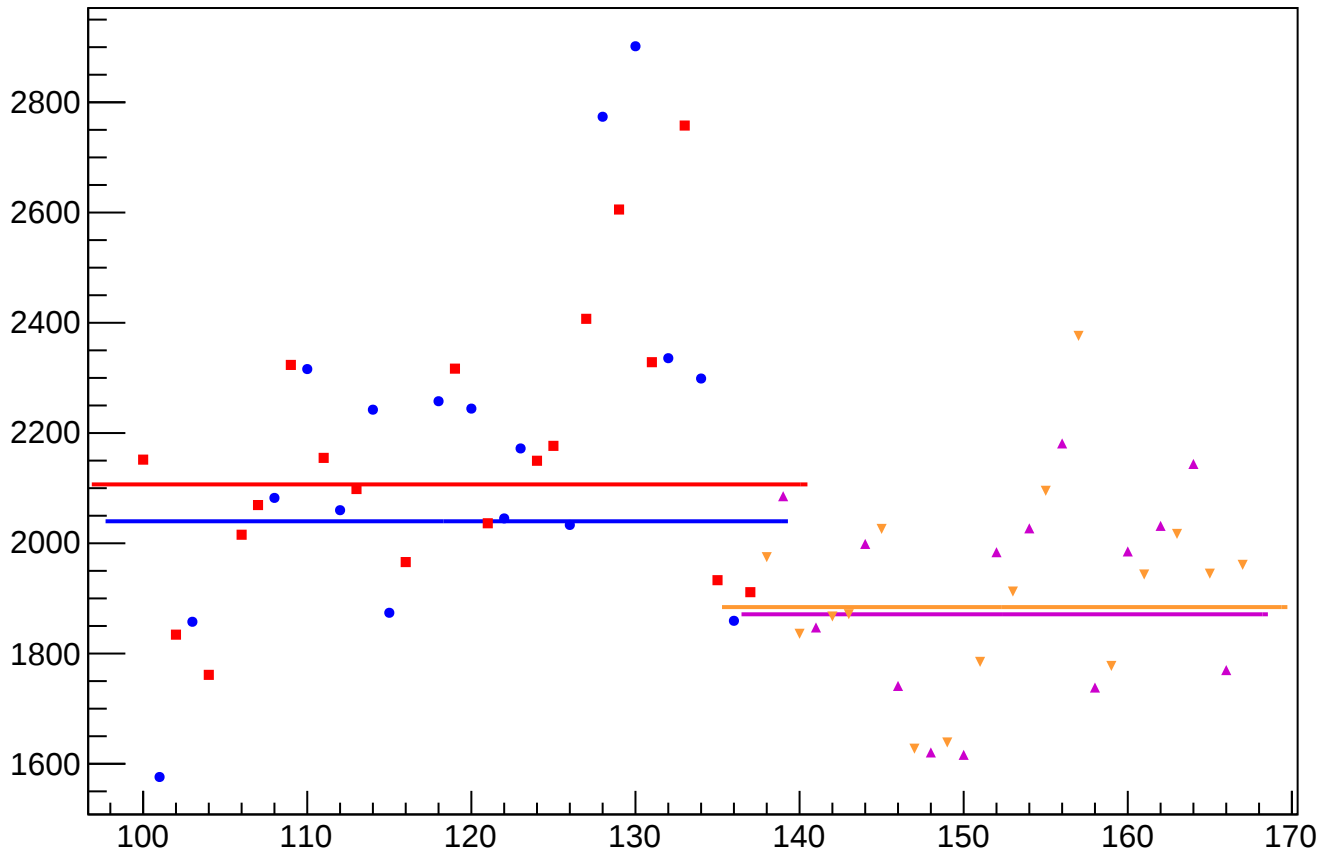
Left In: -1499.640 $\pm$ 570.060 χ^2 /NDF:14.5/13

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

All: -102.930 $\pm$ 323.860 χ^2 /NDF: 96.5/65

- sign -1997.569 $\pm$ 463.395 χ^2 /NDF: 28.7/32

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

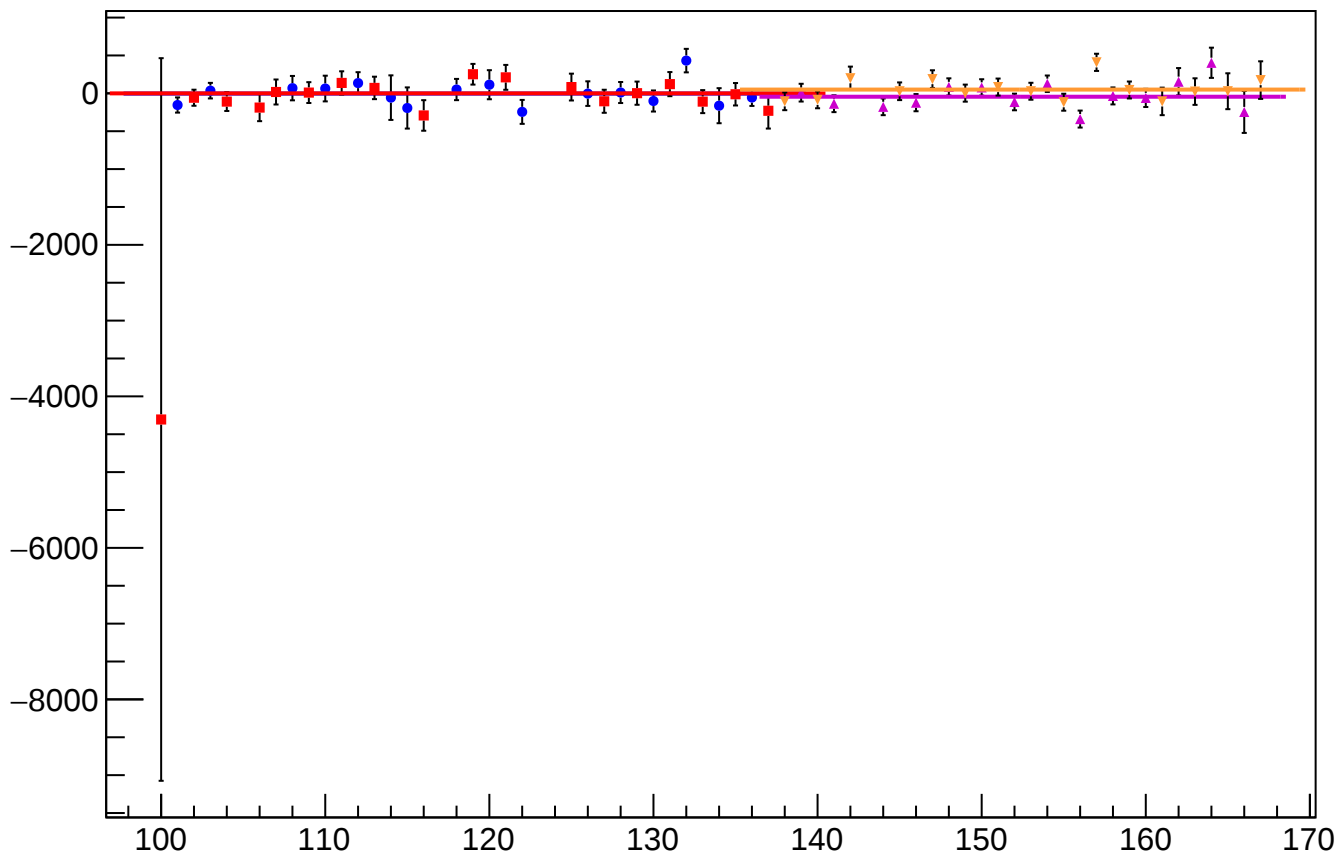
Left In: 1871.198 $\pm$ 0.403 χ^2 /NDF: 207028.8/13

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

All: 1942.292 $\pm$ 0.229 χ^2 /NDF: 1095258.2/65

- sign 1951.128 $\pm$ 0.328 χ^2 /NDF: 518392.3/32

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

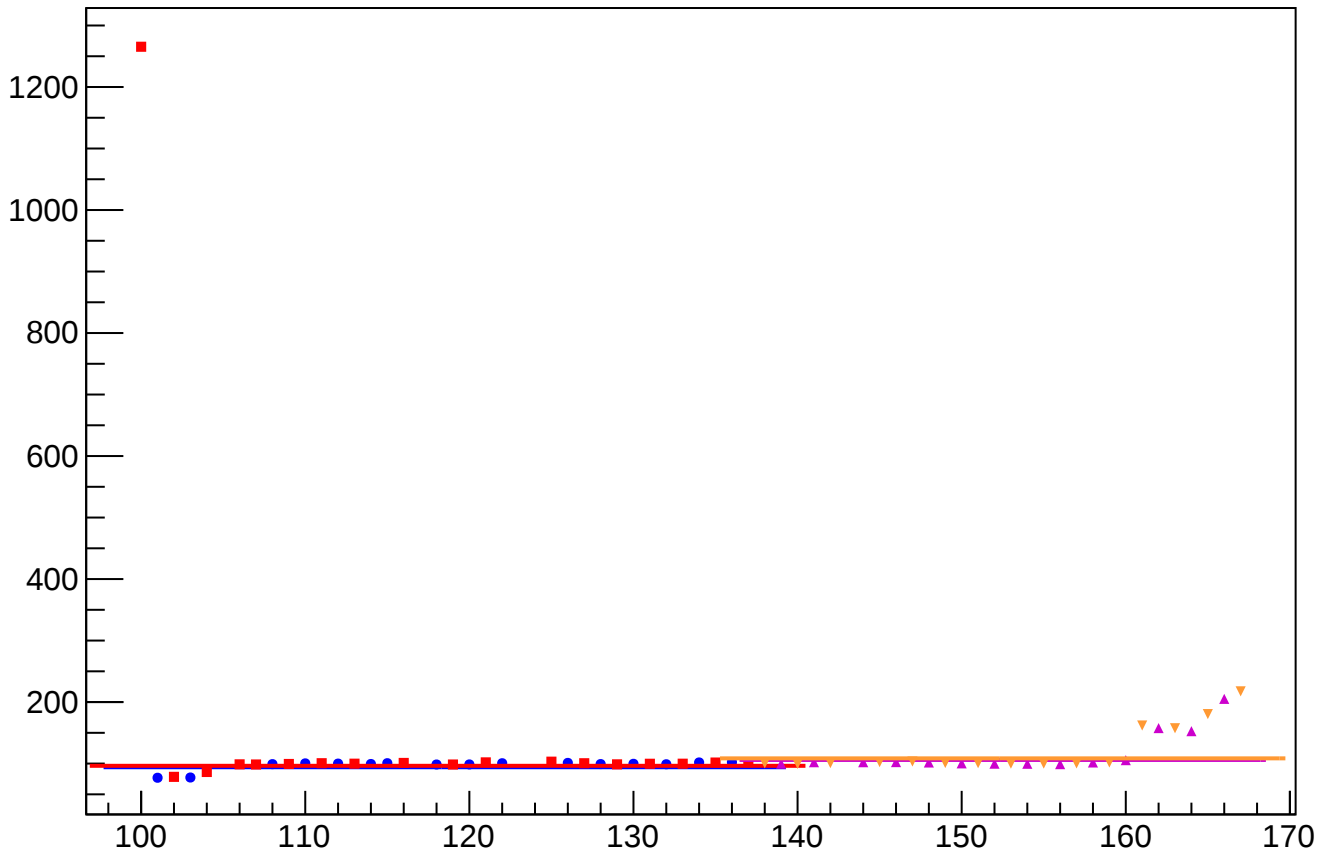
Left In: -44.809 ± 32.553 χ^2/NDF : 22.1/13

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

All: 0.093 ± 17.294 χ^2/NDF : 75.5/62

- sign -25.291 ± 24.353 χ^2/NDF : 36.9/31

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

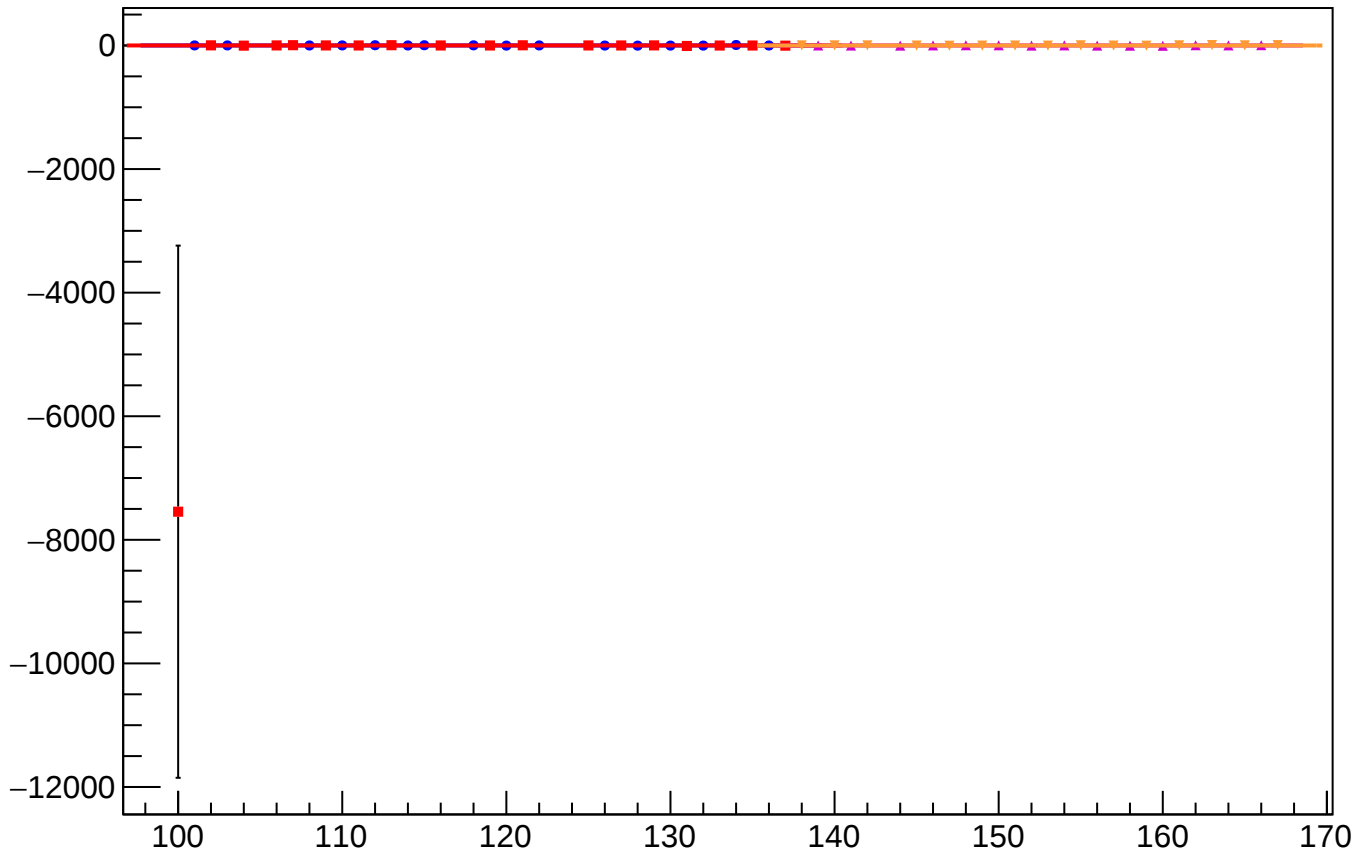
Left In: 105.940+/-0.023 χ^2/NDF : 575306.3/13

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

All: 101.879+/-0.012 χ^2/NDF : 2180080.5/62

- sign 101.727+/-0.017 χ^2/NDF : 860608.9/31

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

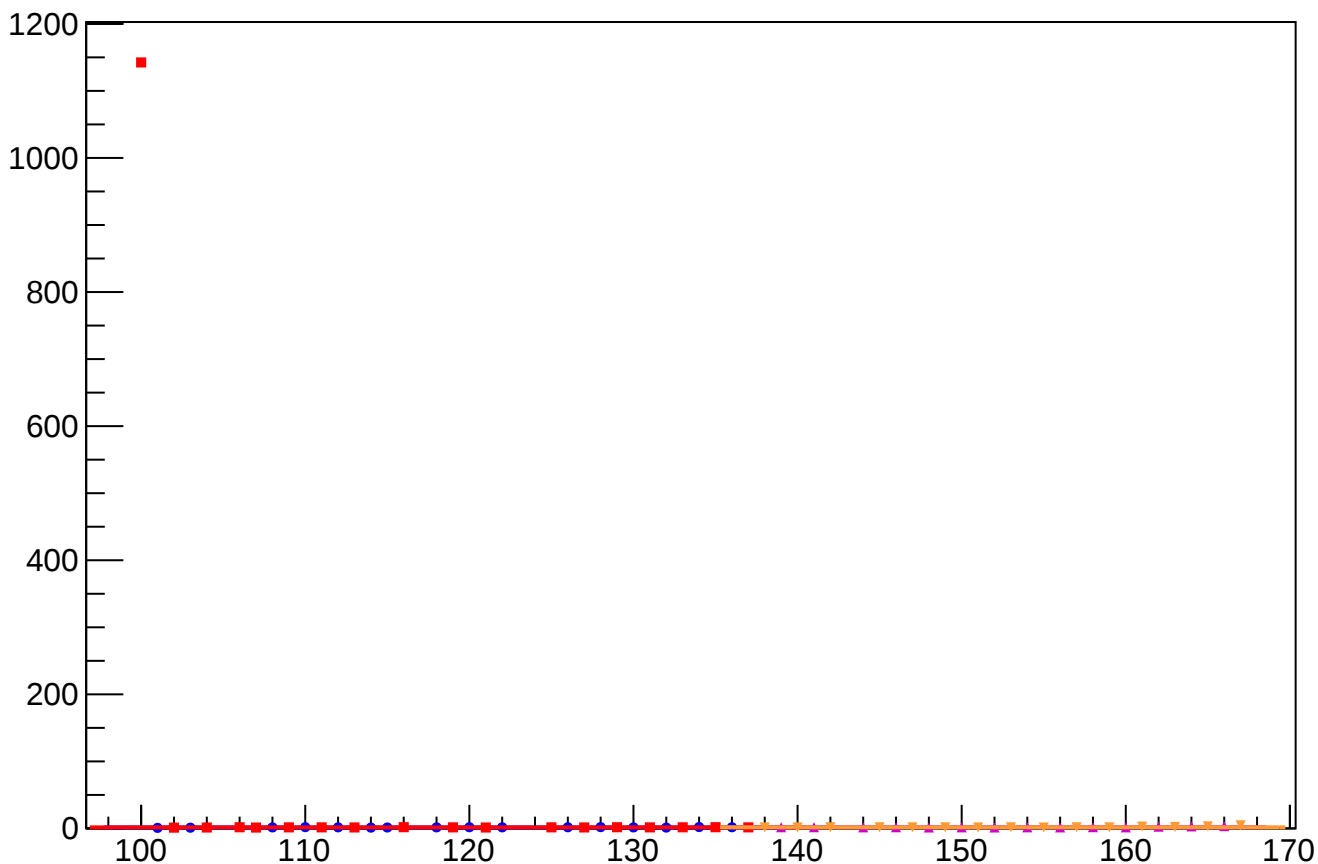
Left In: 0.093 $\pm$ 0.592 χ^2 /NDF: 20.9/13

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

All: 0.106 $\pm$ 0.302 χ^2 /NDF: 74.7/62

- sign 0.194 $\pm$ 0.435 χ^2 /NDF: 43.8/31

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

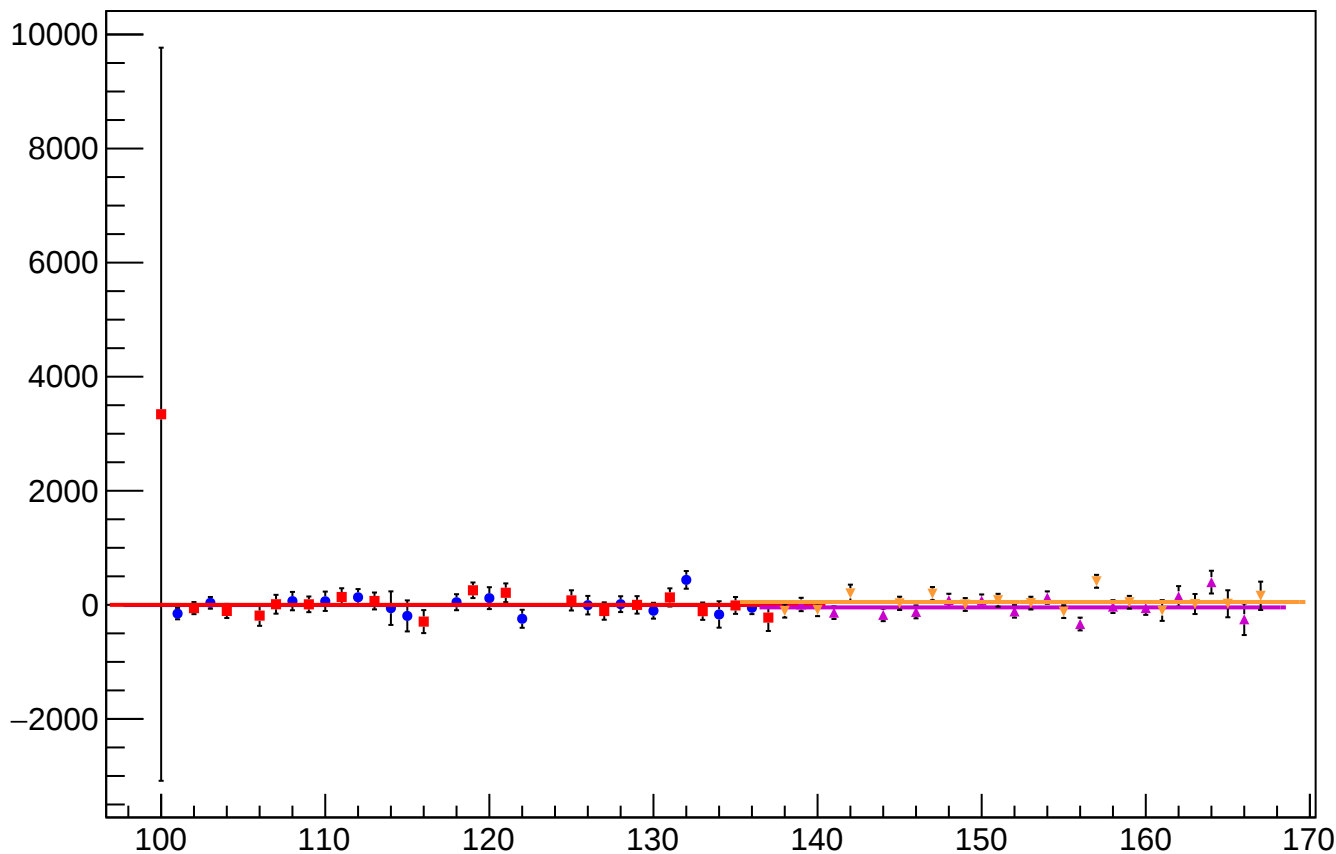
Left In: 1.780 $\pm$ 0.000 χ^2 /NDF:690957.3/13

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

All: 1.623 $\pm$ 0.000 χ^2 /NDF: 3217609.9/62

- sign 1.677 $\pm$ 0.000 χ^2 /NDF: 1139190.7/31

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 $\chi^2/\text{NDF}: 13.5/17$

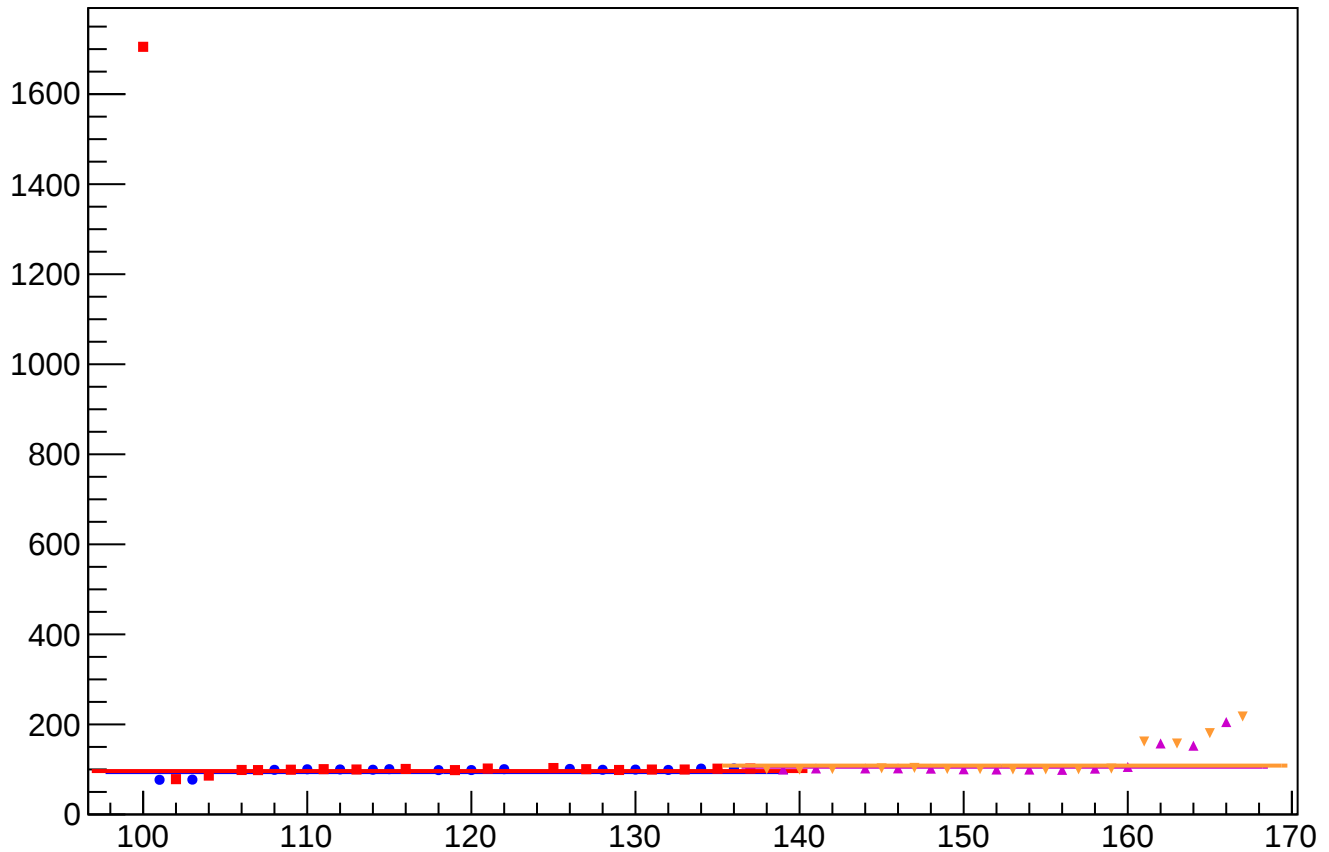
Left In: -44.747 ± 32.563 $\chi^2/\text{NDF}: 21.6/13$

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

All: 0.368 ± 17.299 $\chi^2/\text{NDF}: 75.2/62$

- sign -25.118 ± 24.360 $\chi^2/\text{NDF}: 36.0/31$

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

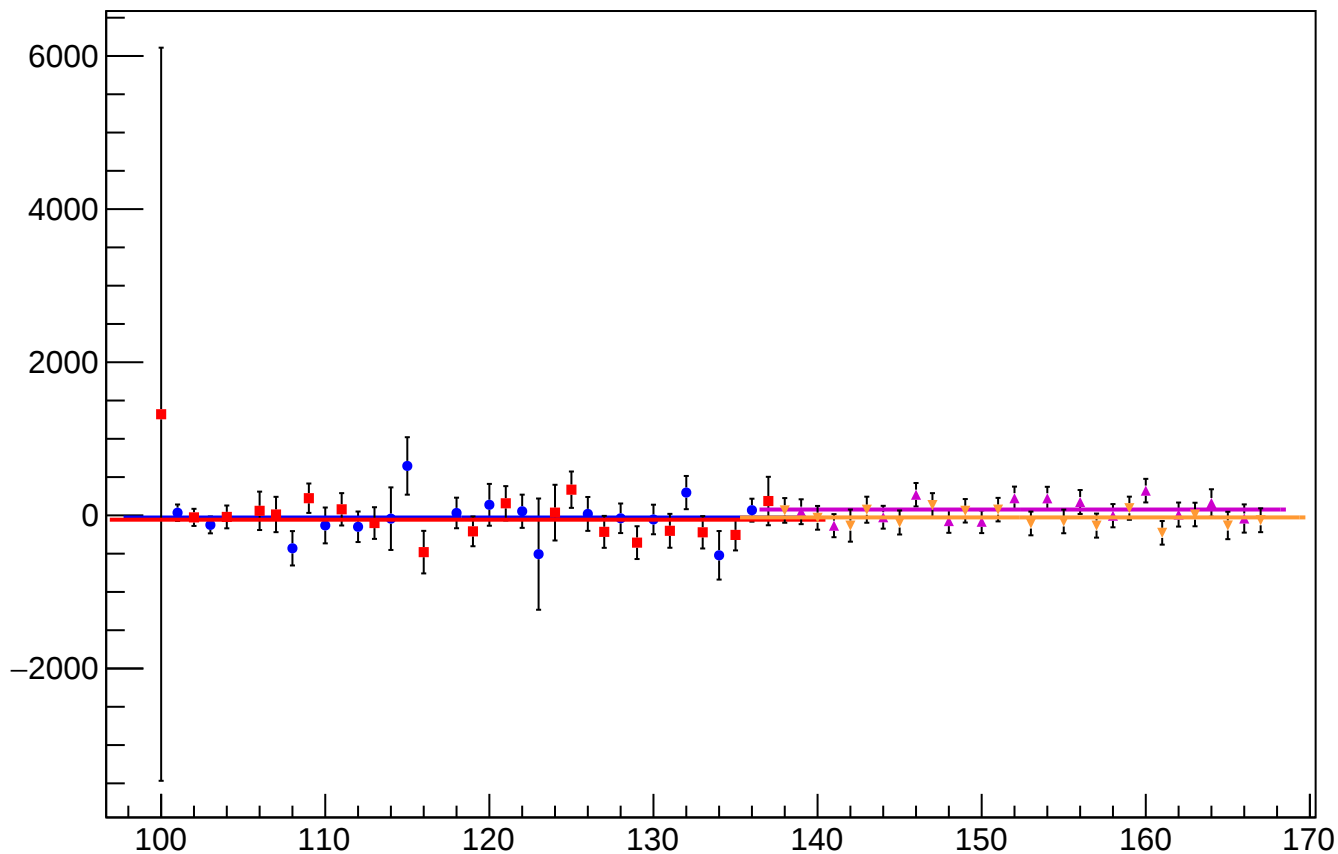
Left In: 105.969+/-0.023 χ^2/NDF : 575406.3/13

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

All: 101.902+/-0.012 χ^2/NDF : 2186229.5/62

- sign 101.747+/-0.017 χ^2/NDF : 866124.8/31

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

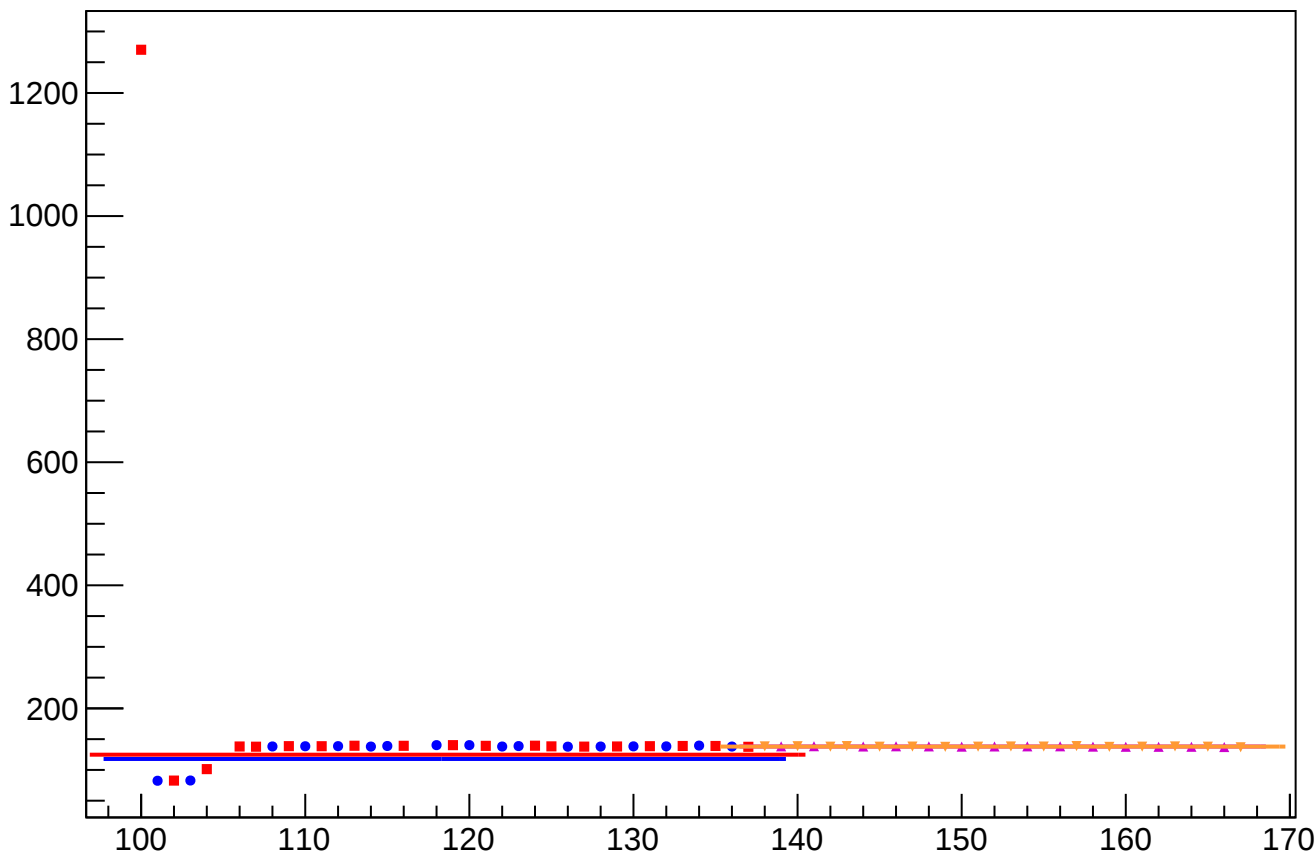
Left In: 76.404 ± 41.797 χ^2/NDF : 12.1/13

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

All: -5.003 ± 21.835 χ^2/NDF : 53.3/65

- sign 18.736 ± 31.438 χ^2/NDF : 31.4/32

reg_asym_dsr_rms vs Slug



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

Left Out: 137.938 $\pm$ 0.028 χ^2 /NDF: 290.3/15

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

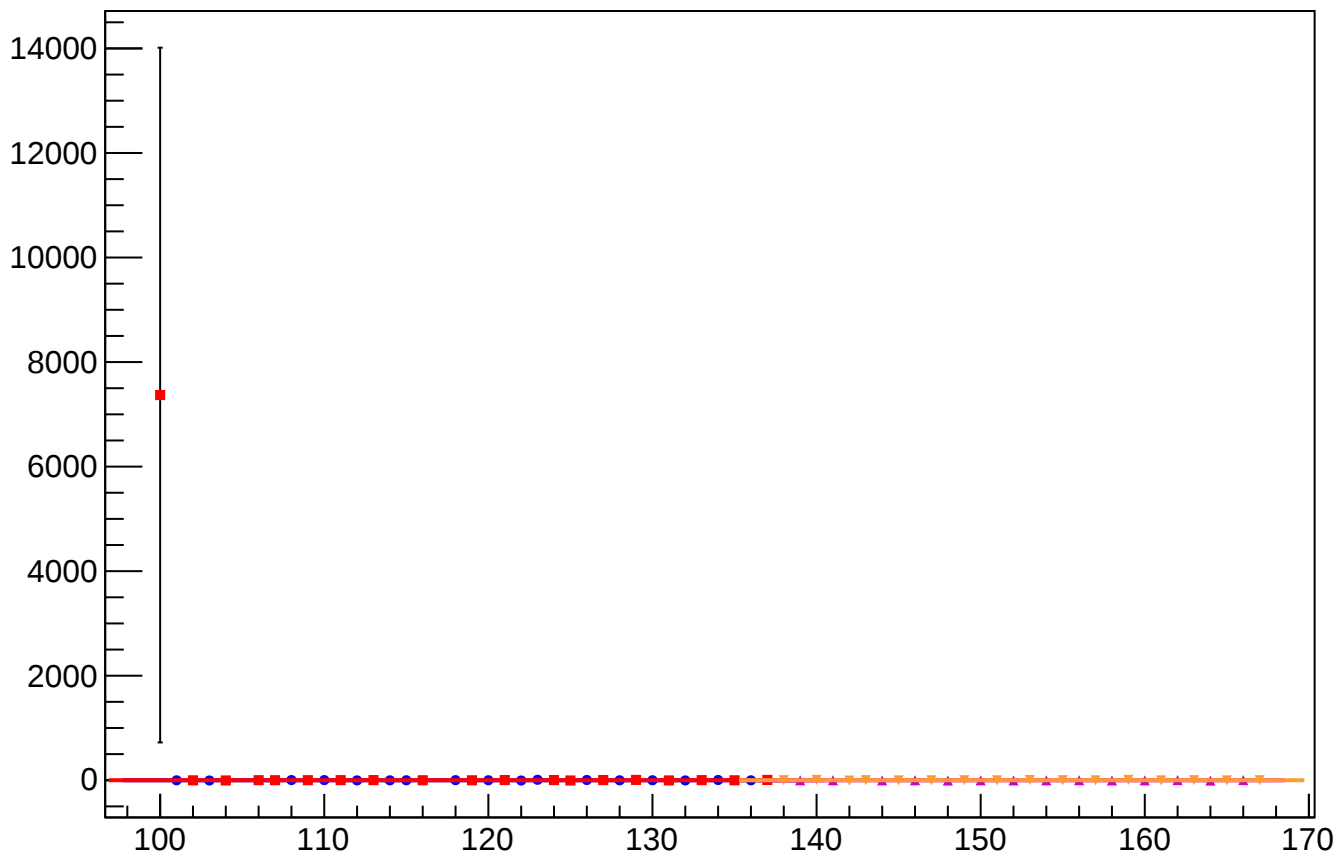
Left In: 138.054 $\pm$ 0.030 χ^2 /NDF: 149.2/13

+ sign 129.468 $\pm$ 0.021 χ^2 /NDF: 881216.2/32

All: 130.826 $\pm$ 0.015 χ^2 /NDF: 1547247.6/65

- sign 132.283 $\pm$ 0.022 χ^2 /NDF: 657732.7/32

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

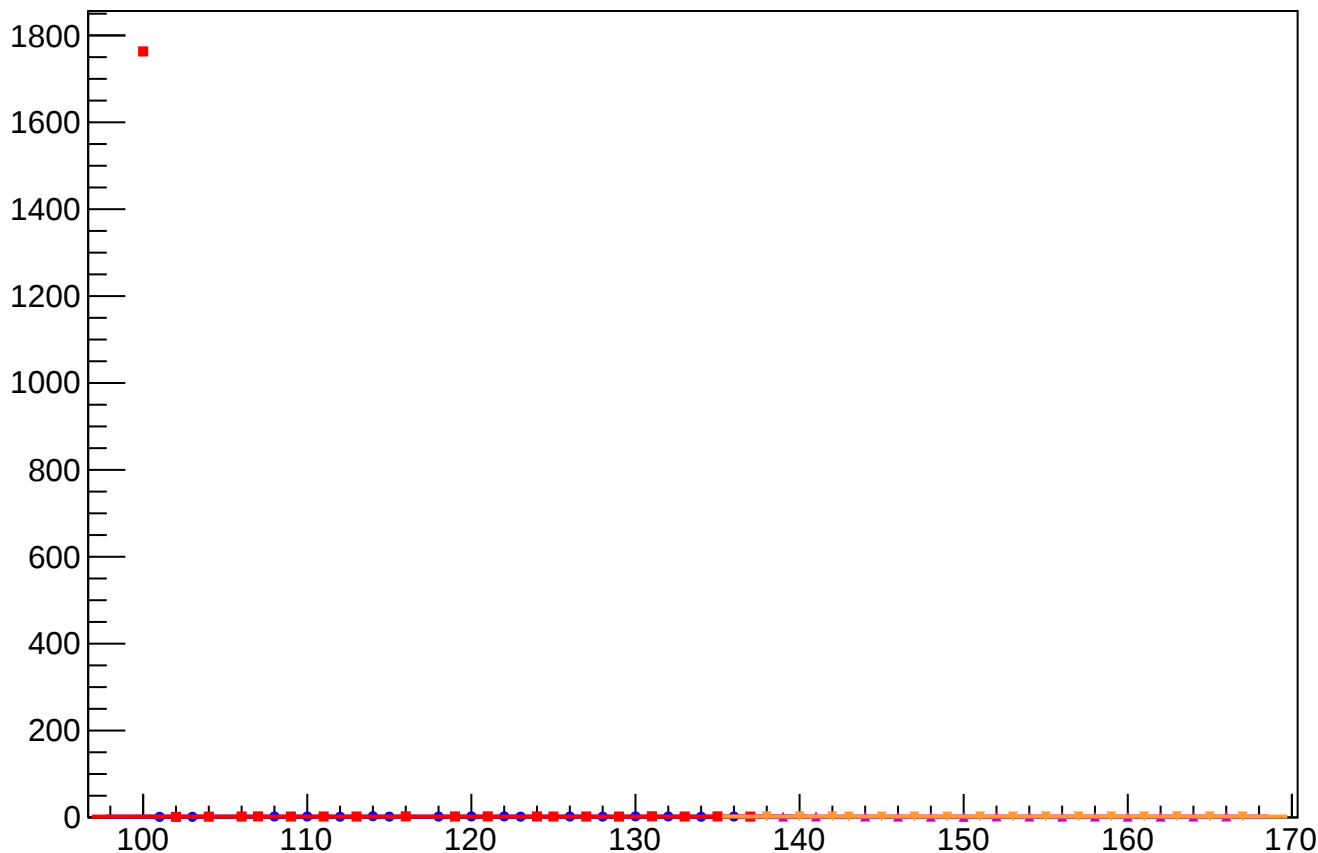
Left In: -1.000 ± 0.710 χ^2/NDF : 12.4/13

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

All: -0.164 ± 0.378 χ^2/NDF : 62.7/65

- sign -0.324 ± 0.545 χ^2/NDF : 28.3/32

asym_dsr_correction_rms vs Slug



Right In: 1.869+/-0.001 χ^2/NDF : 493173.6/16

Left Out: 2.180+/-0.000 χ^2/NDF :213179.5/15

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

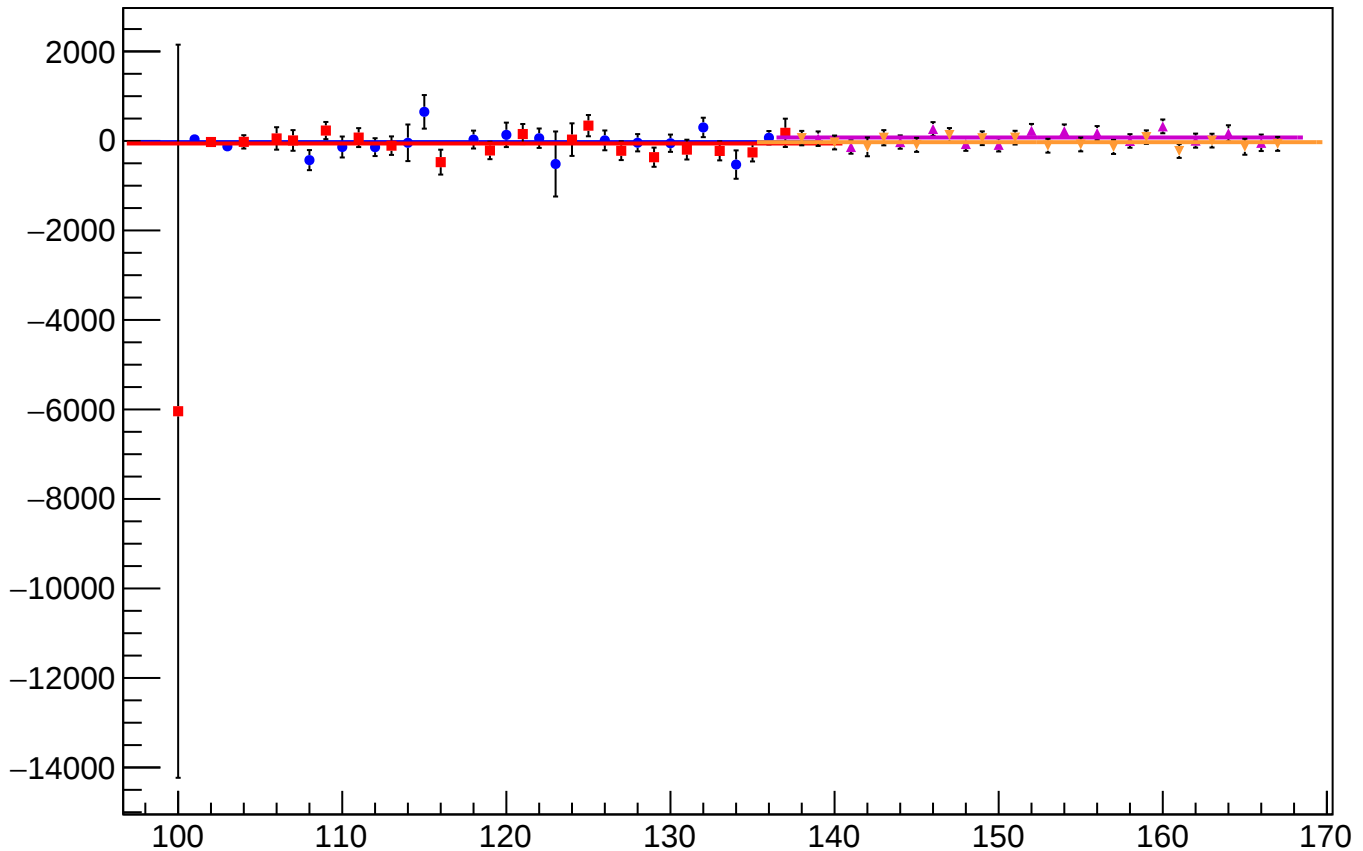
Left In: 2.102+/-0.001 χ^2/NDF :298334.2/13

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

All: 2.068+/-0.000 χ^2 /NDF: 1708595.0/65

- sign 2.087+/-0.000 χ^2/NDF : 826001.4/32

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

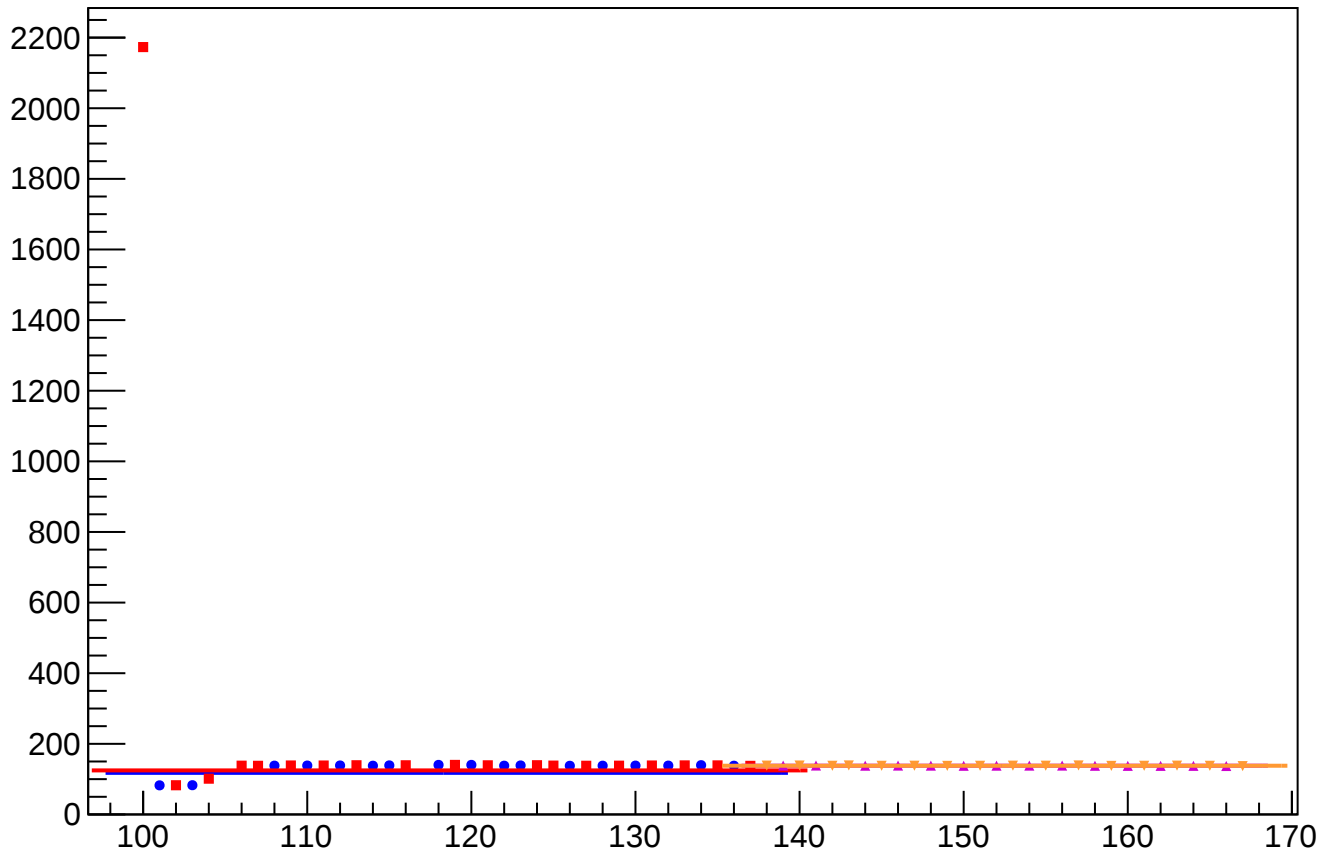
Left In: 77.086 ± 41.808 χ^2/NDF : 12.1/13

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

All: -5.000 ± 21.841 χ^2/NDF : 53.9/65

- sign 18.746 ± 31.447 χ^2/NDF : 32.1/32

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

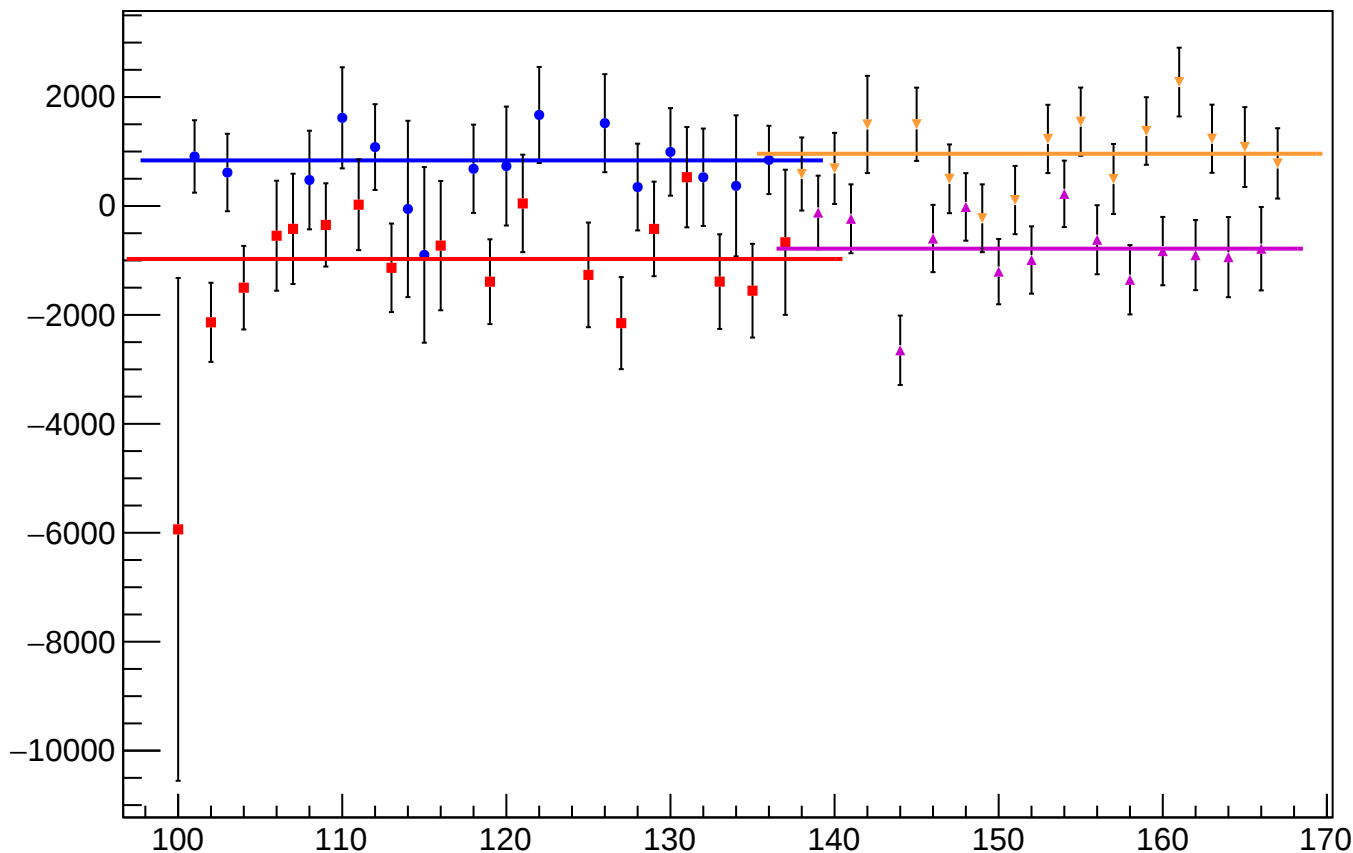
Left In: 138.092 $\pm$ 0.030 χ^2 /NDF: 147.7/13

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

All: 130.852 $\pm$ 0.015 χ^2 /NDF: 1558330.7/65

- sign 132.299 $\pm$ 0.022 χ^2 /NDF: 668905.4/32

reg_asym_left_avg_mean vs Slug



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

Left Out: 959.216 $\pm$ 168.816 χ^2 /NDF: 14.2/14

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

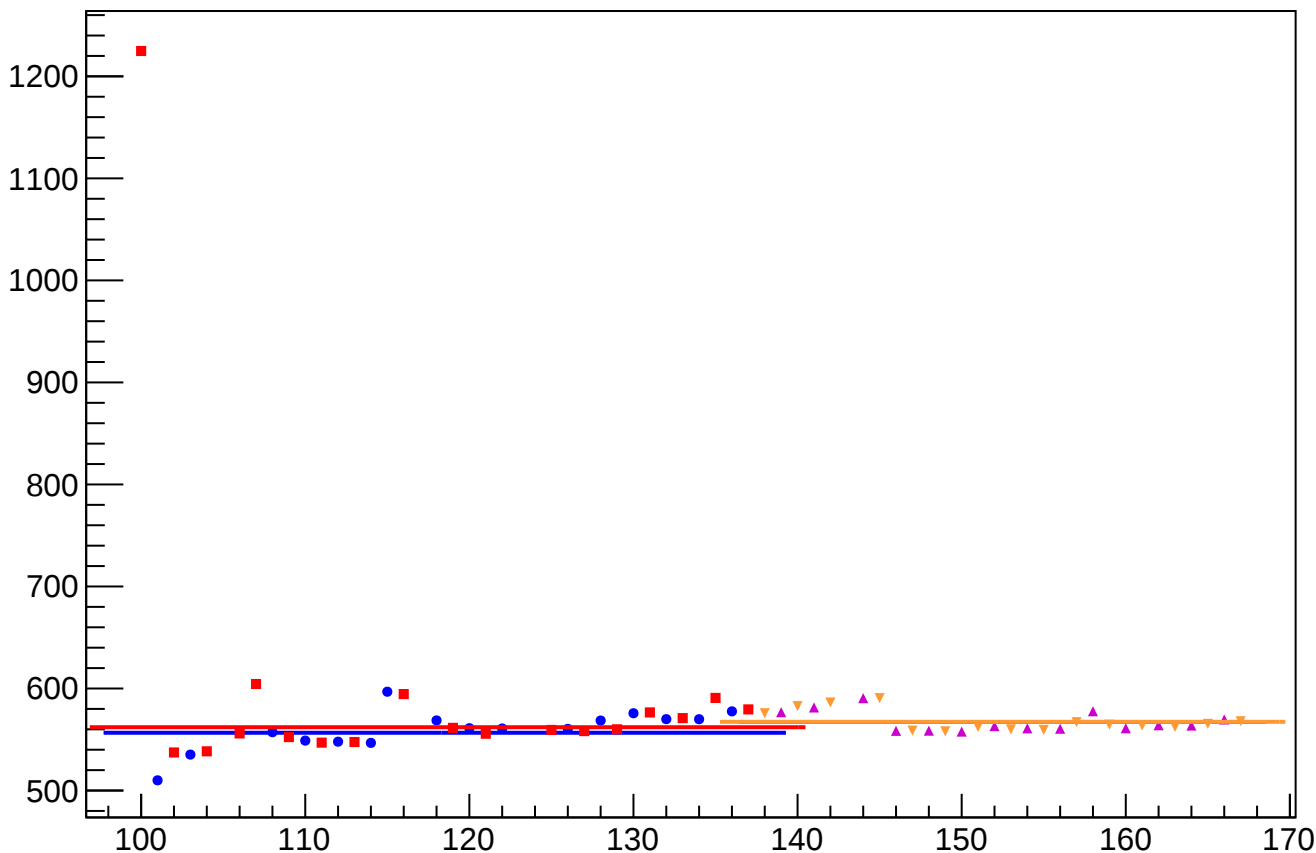
Left In: -783.659 $\pm$ 171.735 χ^2 /NDF: 16.2/13

+ sign 912.938 $\pm$ 133.054 χ^2 /NDF: 19.1/30

All: 31.230 $\pm$ 94.286 χ^2 /NDF: 138.2/62

- sign -858.133 $\pm$ 133.630 χ^2 /NDF: 30.9/31

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

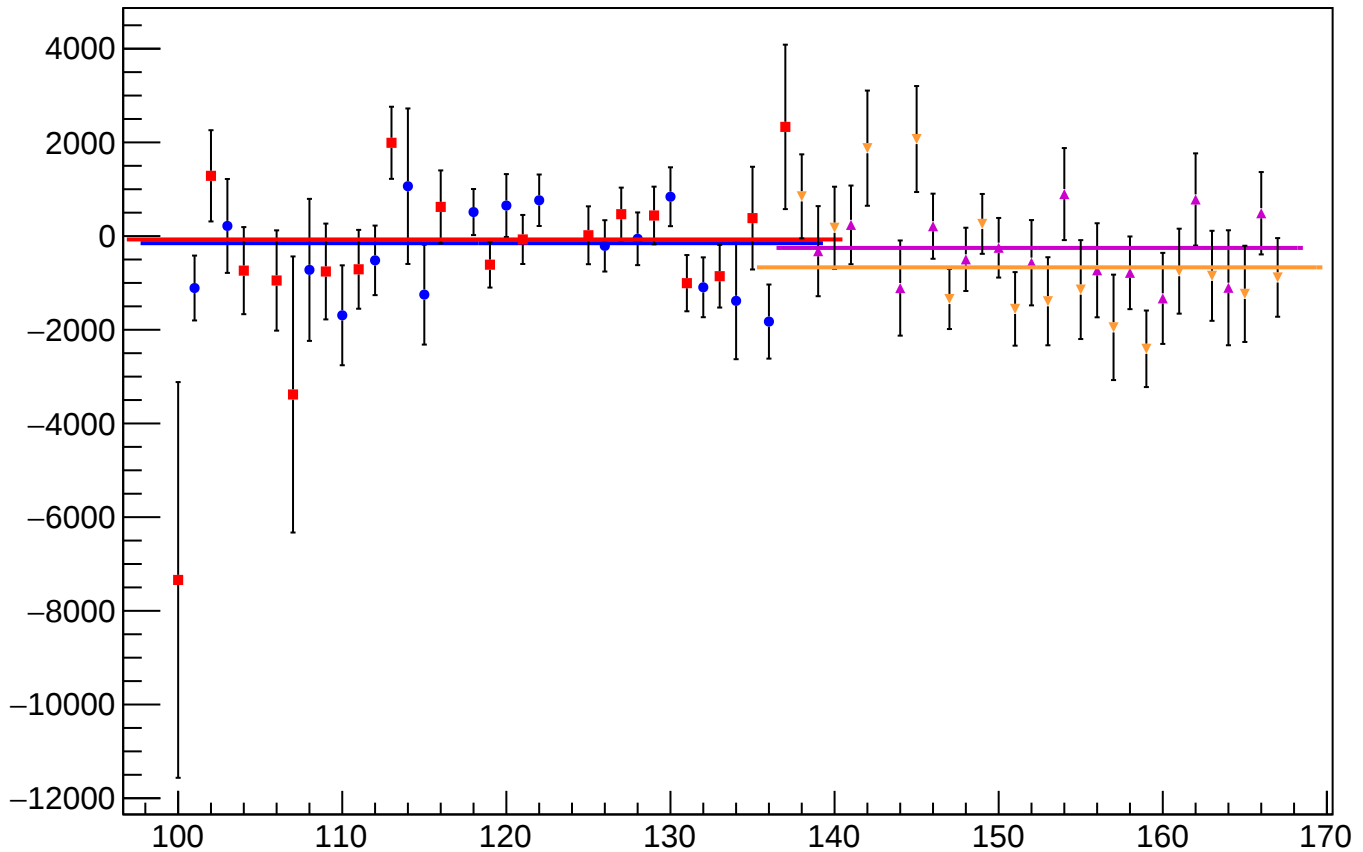
Left In: 567.184 $\pm$ 0.121 χ^2 /NDF: 6729.6/13

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

All: 564.219 $\pm$ 0.067 χ^2 /NDF: 91132.2/62

- sign 565.158 $\pm$ 0.094 χ^2 /NDF: 63010.6/31

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

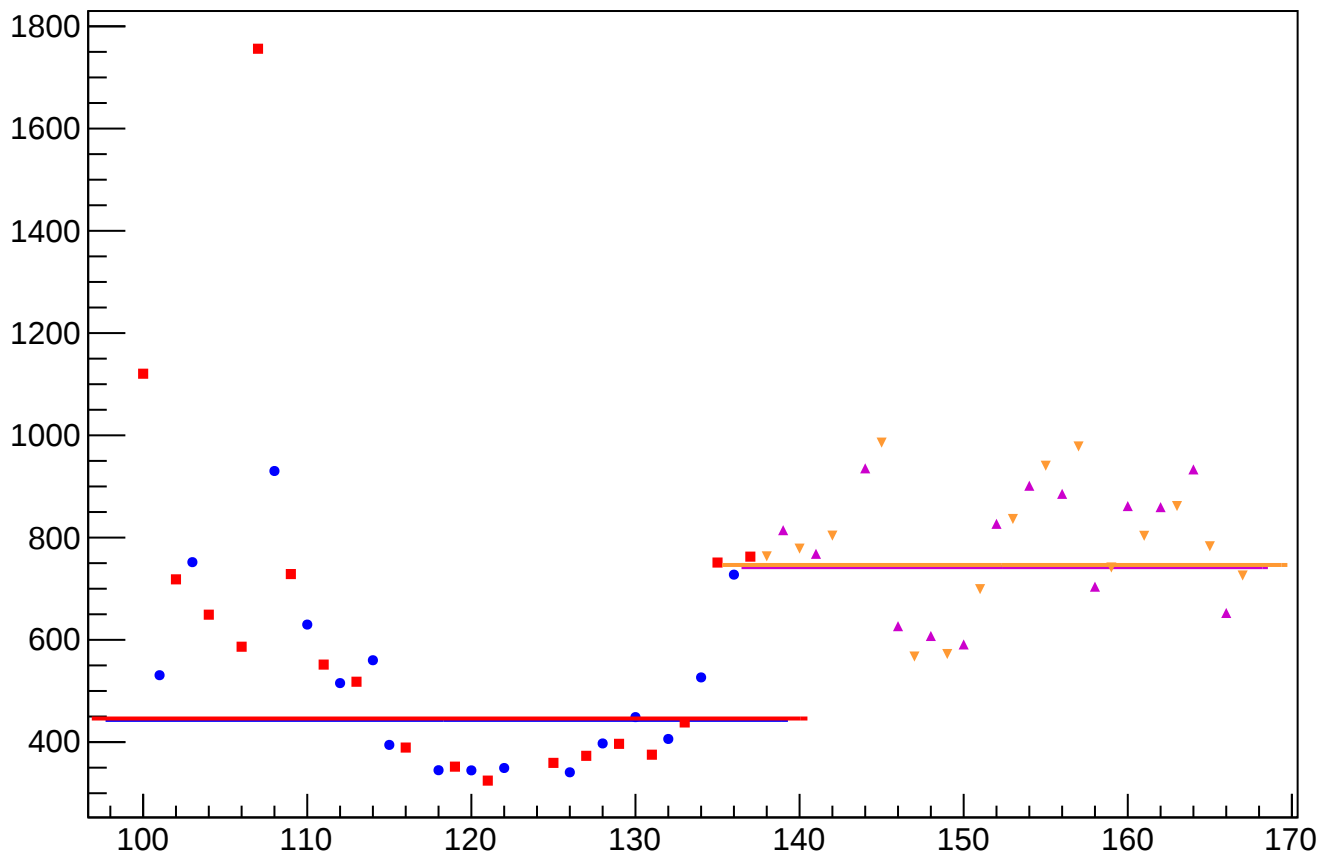
Left In: -252.821+/-228.565 χ^2/NDF : 7.3/13

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

All: -245.768+/-99.611 χ^2/NDF : 84.8/62

- sign -140.433+/-140.763 χ^2/NDF : 32.7/31

asym_left_avg_correction_rms vs Slug



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

Left Out: 746.447+/-0.160 χ^2/NDF : 620319.7/14

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

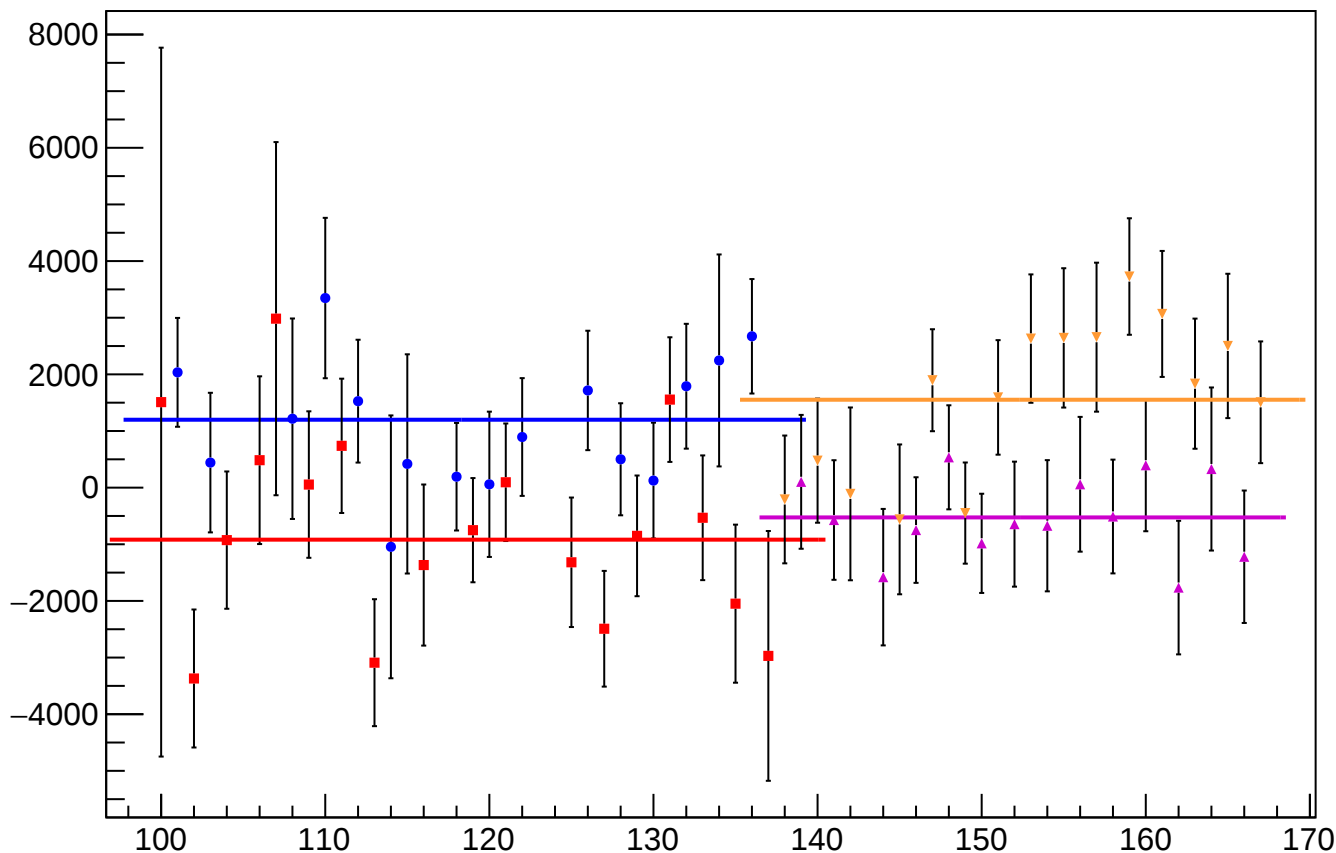
Left In: 742.196+/-0.162 χ^2/NDF : 576516.4/13

+ sign 560.737+/-0.100 χ^2/NDF : 3873013.5/30

All: 559.582+/-0.070 χ^2/NDF : 7992515.4/62

- sign 558.432+/-0.100 χ^2/NDF : 4119234.0/31

asym_left_avg_mean vs Slug



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

Left Out: 1551.877 $\pm$ 287.526 χ^2 /NDF:21.7/14

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

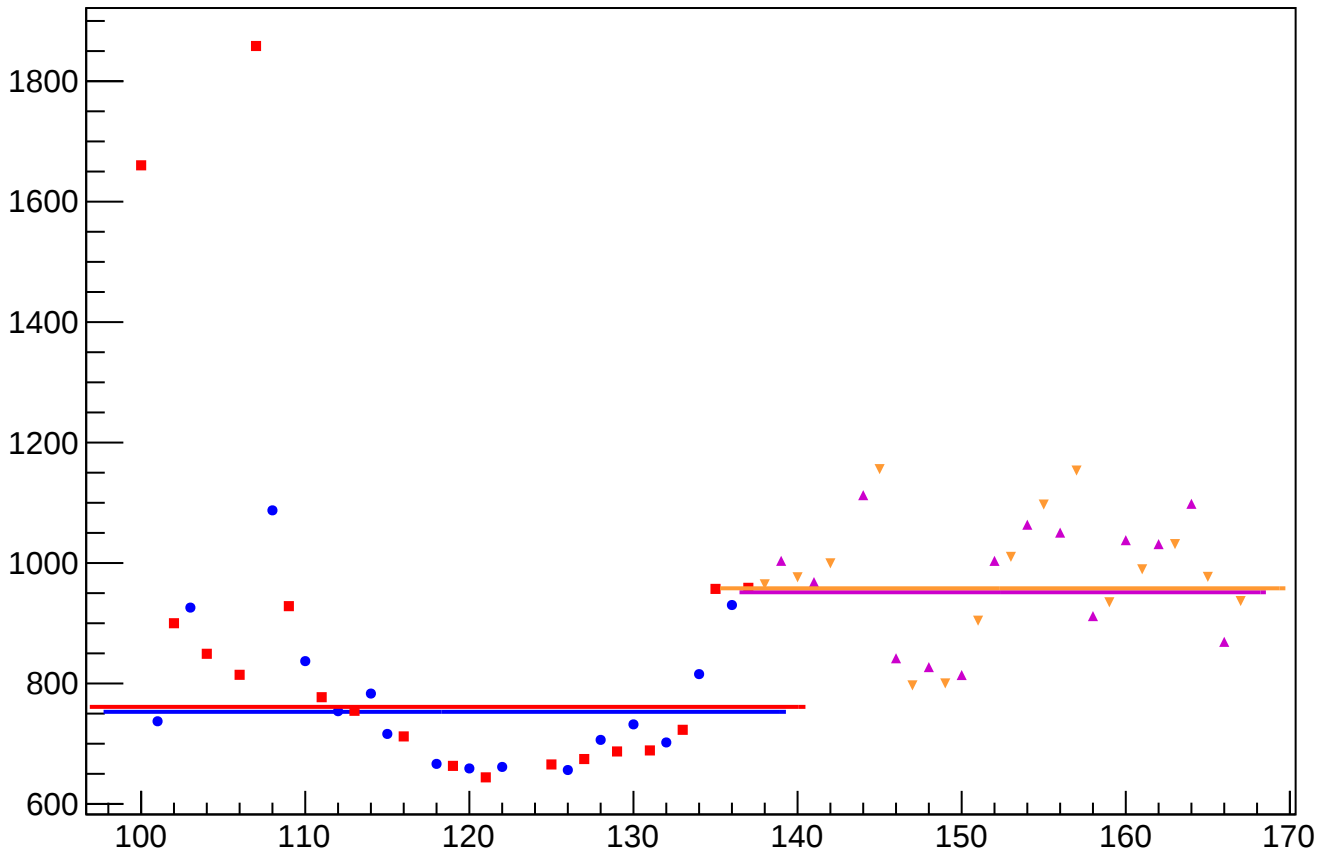
Left In: -525.711 $\pm$ 290.168 χ^2 /NDF:5.4/13

+ sign 1380.097 $\pm$ 205.986 χ^2 /NDF: 33.6/30

All: 331.549 $\pm$ 145.756 χ^2 /NDF: 115.0/62

- sign -719.957 $\pm$ 206.276 χ^2 /NDF: 29.5/31

asym_left_avg_rms vs Slug



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

Left Out: 958.024 ± 0.203 χ^2/NDF : 265169.5/14

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

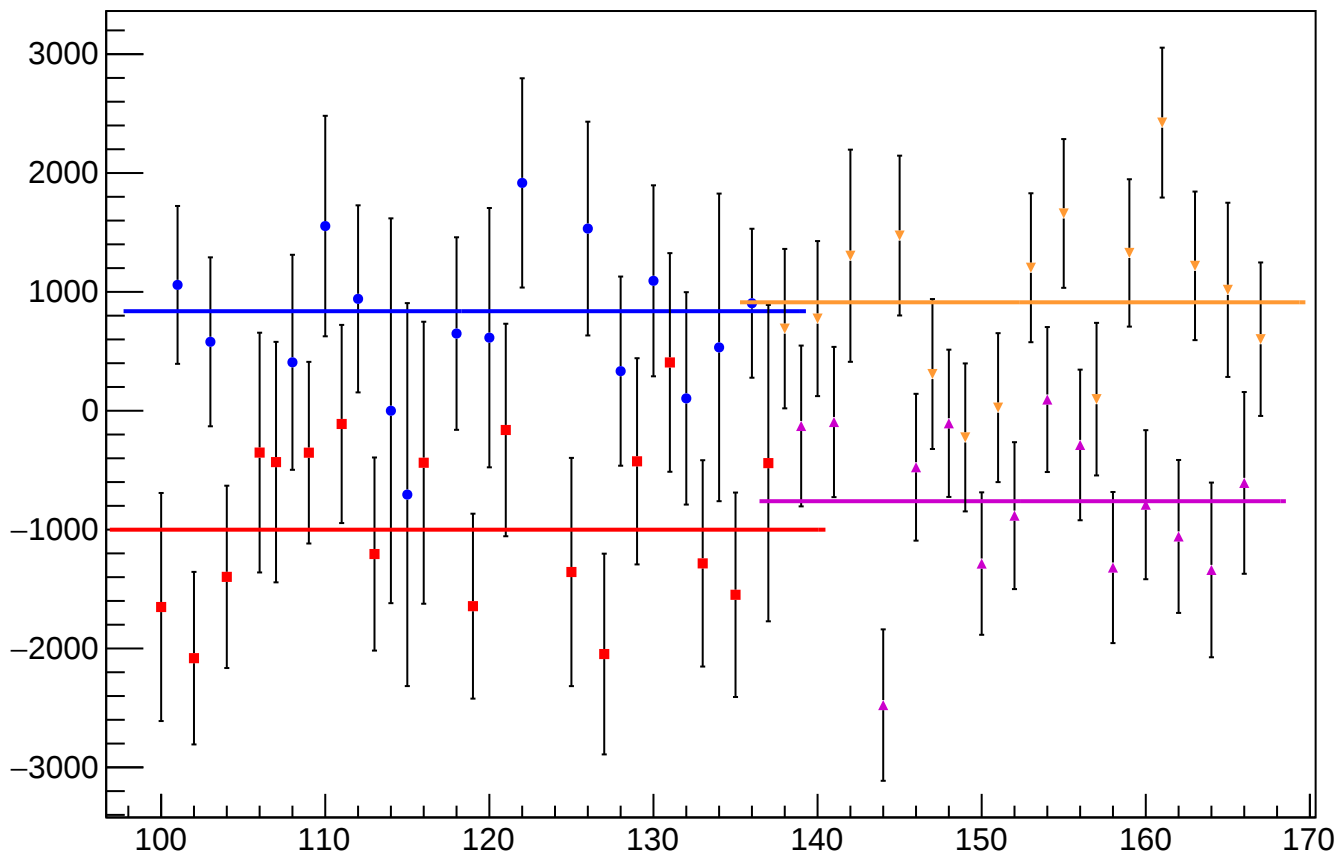
Left In: 951.467 ± 0.205 χ^2/NDF : 244838.7/13

+ sign 858.196 ± 0.146 χ^2/NDF : 1012993.4/30

All: 857.765 ± 0.103 χ^2/NDF : 2200517.9/62

- sign 857.333 ± 0.146 χ^2/NDF : 1187507.0/31

reg_asym_left_dd_mean vs Slug



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

Left Out: 912.485 ± 168.669 χ^2/NDF : 17.2/14

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

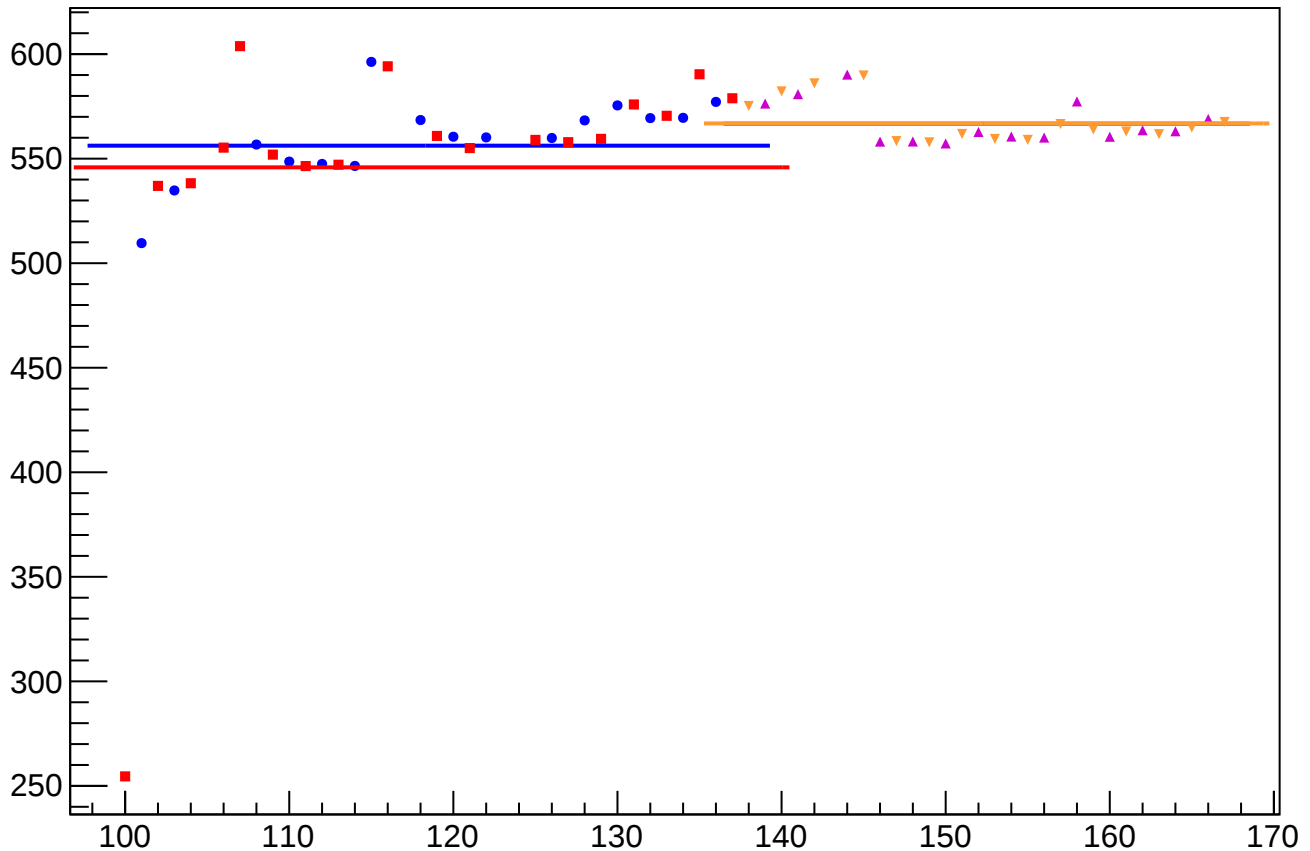
Left In: -760.938 ± 171.597 χ^2/NDF : 15.5/13

+ sign 884.106 ± 132.943 χ^2/NDF : 23.0/30

All: 8.767 ± 93.777 χ^2/NDF : 138.2/62

- sign -858.142 ± 132.301 χ^2/NDF : 28.9/31

reg_asym_left_dd_rms vs Slug



Right In: 556.210 ± 0.153 χ^2/NDF : 18417.4/15

Left Out: 545.844 ± 0.147 χ^2/NDF : 207640.3/17

Right Out: 566.728 ± 0.121 χ^2/NDF : 6759.2/13

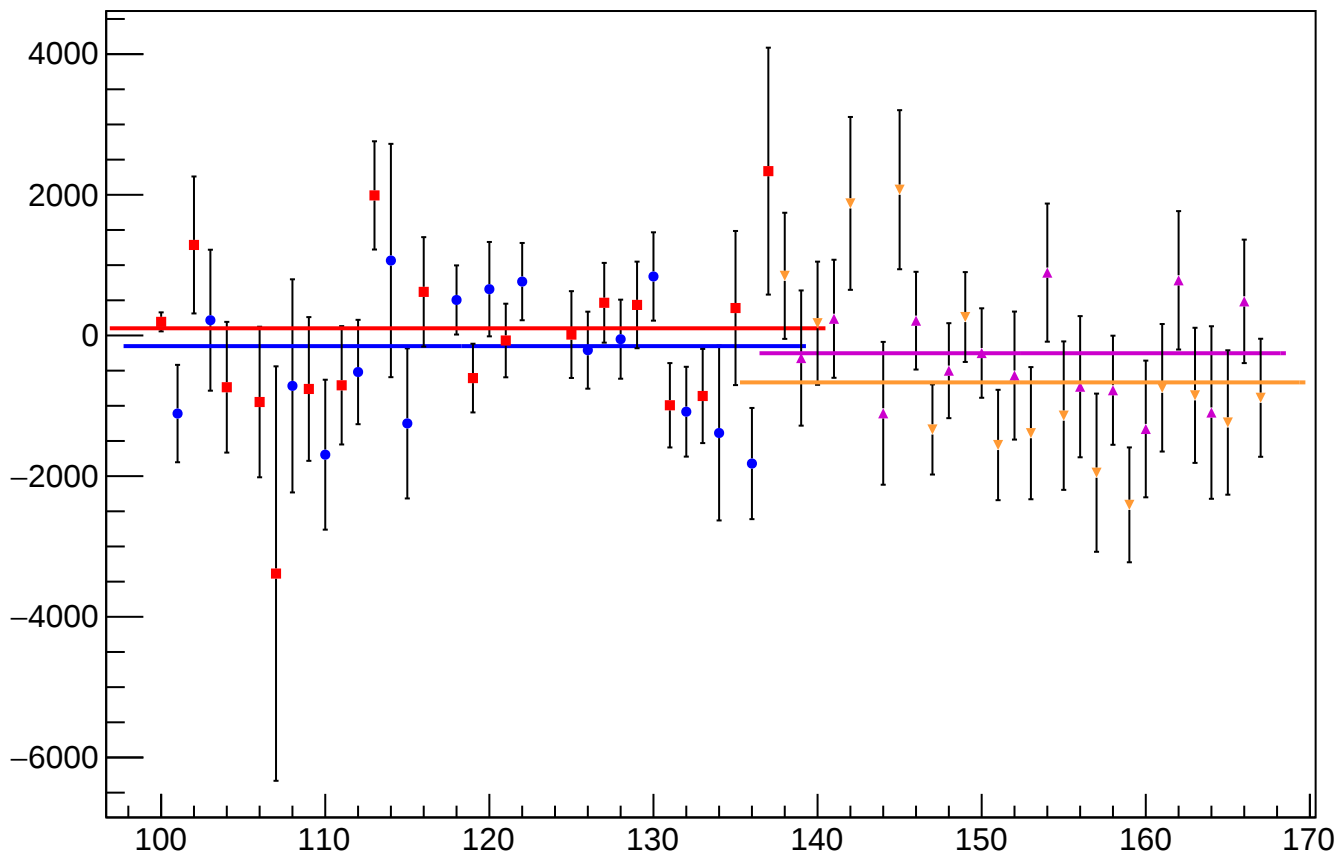
Left In: 566.728 ± 0.121 χ^2/NDF : 6759.2/13

+ sign 562.820 ± 0.094 χ^2/NDF : 27875.0/30

All: 560.528 ± 0.066 χ^2/NDF : 255471.0/62

- sign 558.259 ± 0.094 χ^2/NDF : 226413.3/31

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

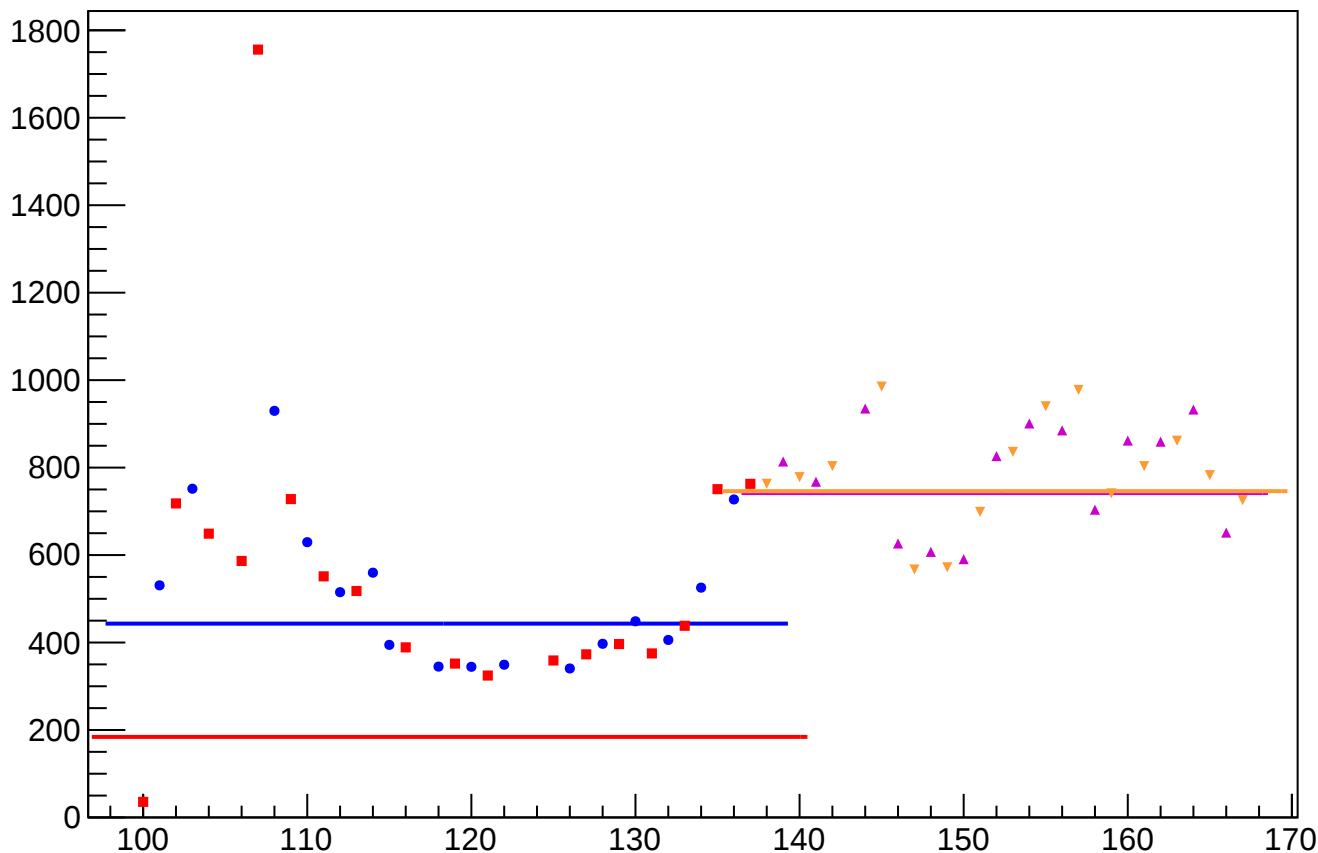
Left In: -252.472 ± 228.435 χ^2/NDF : 7.3/13

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

All: -88.090 ± 80.135 χ^2/NDF : 88.6/62

- sign 37.594 ± 97.421 χ^2/NDF : 32.5/31

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

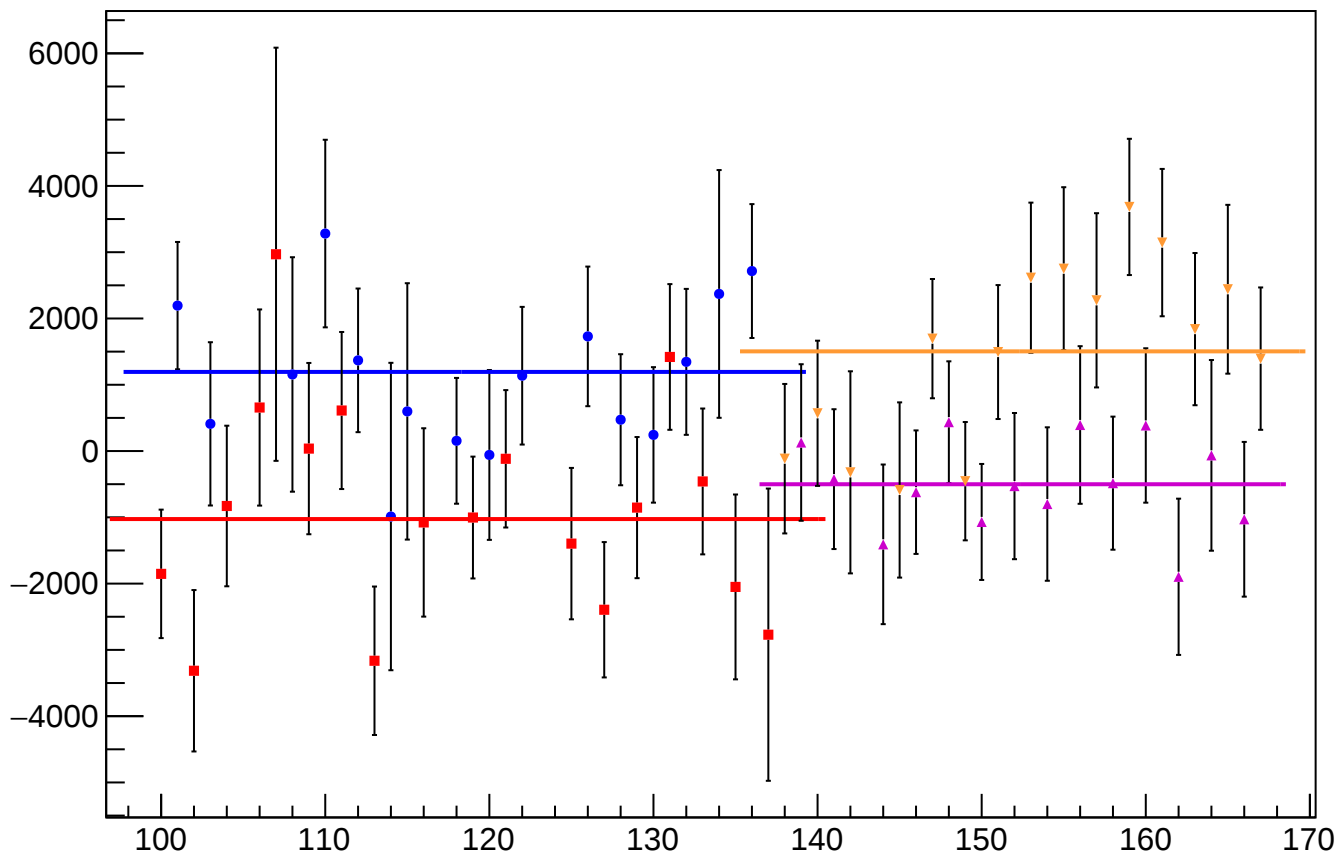
Left In: 741.761+/-0.162 χ^2/NDF : 577183.9/13

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

All: 374.507+/-0.057 χ^2/NDF : 27425981.3/62

- sign 285.621+/-0.069 χ^2/NDF : 18404241.1/31

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

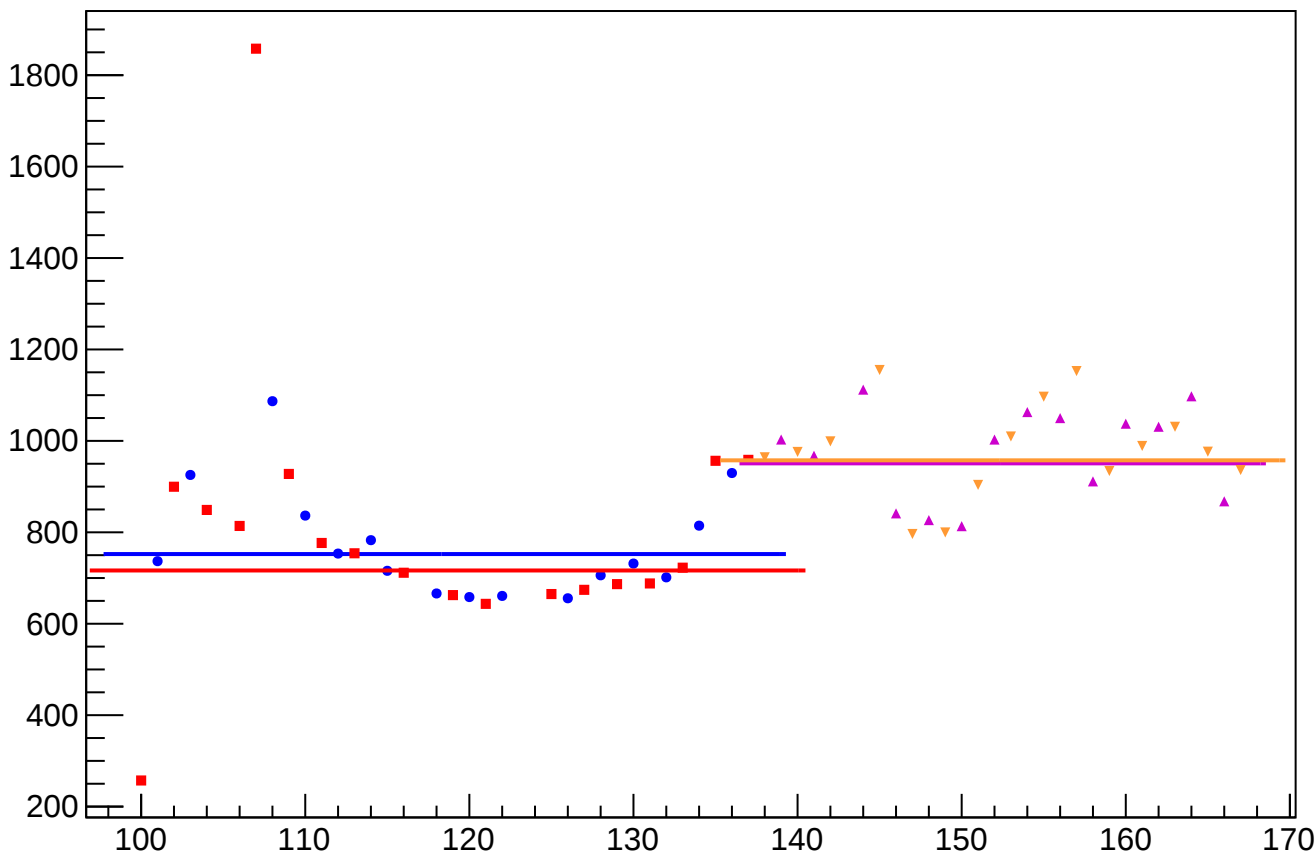
Left In: -500.843 $\pm$ 289.980 χ^2 /NDF: 5.2/13

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

All: 269.037 $\pm$ 144.081 χ^2 /NDF: 116.8/62

- sign -771.912 $\pm$ 201.731 χ^2 /NDF: 29.5/31

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

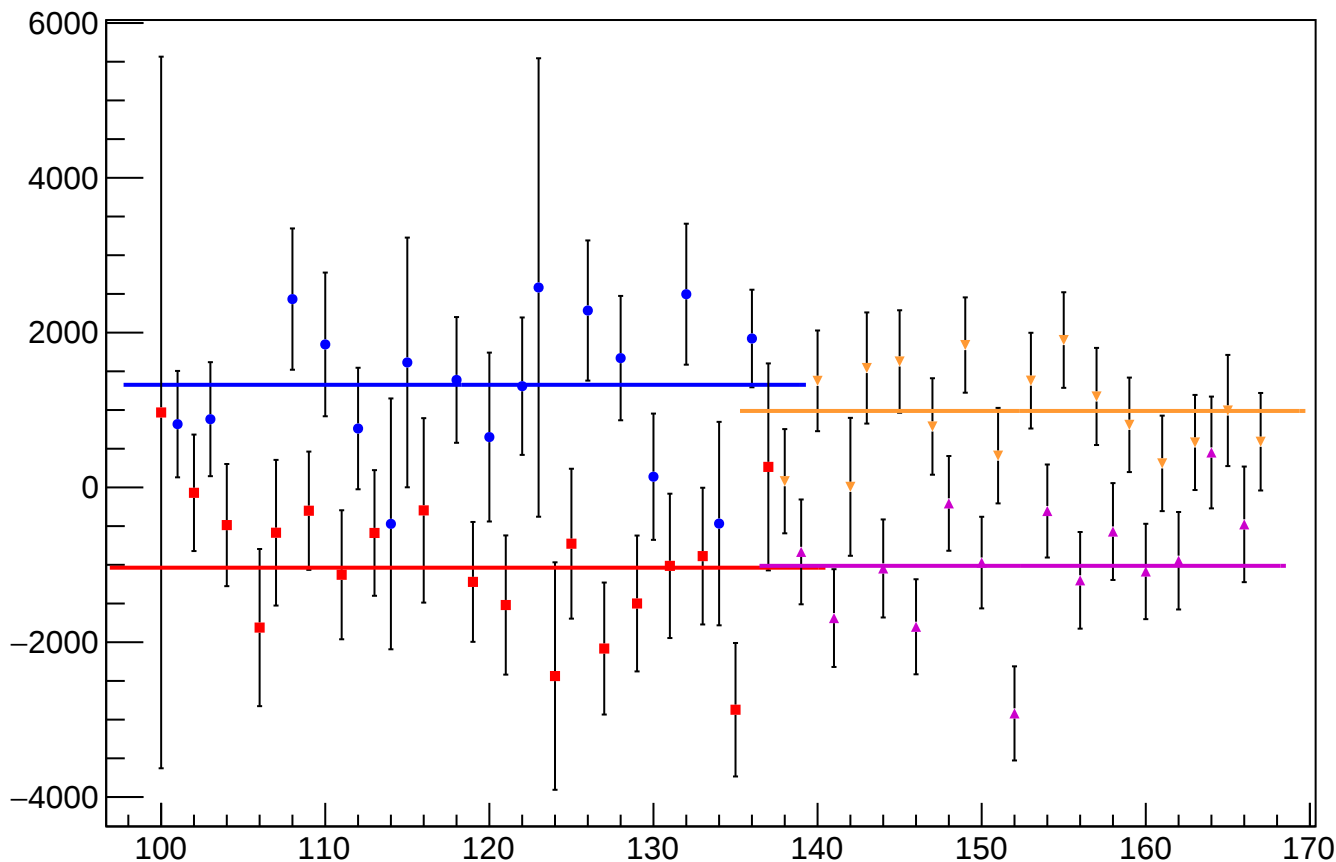
Left In: 950.841+/-0.205 χ^2/NDF : 245171.0/13

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

All: 843.506+/-0.102 χ^2/NDF : 2917969.2/62

- sign 829.923+/-0.143 χ^2/NDF : 1886001.5/31

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

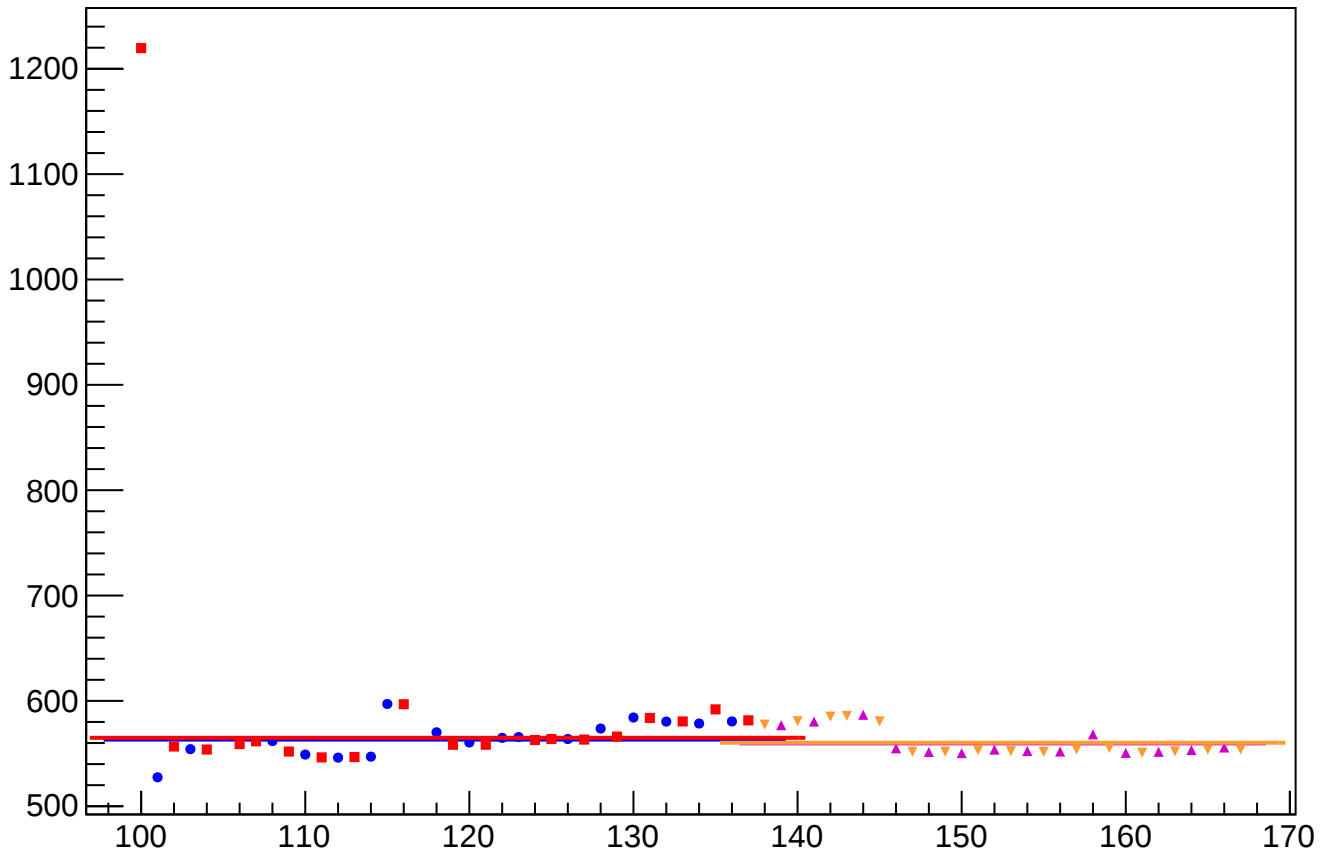
Left In: -1013.043 $\pm$ 169.469 χ^2 /NDF:21.1/13

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

All: 60.755 $\pm$ 92.741 χ^2 /NDF: 193.5/65

- sign -1022.417 $\pm$ 132.271 χ^2 /NDF: 34.5/32

reg_asym_right_avg_rms vs Slug



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

Left Out: 560.284 $\pm$ 0.115 χ^2 /NDF:12534.5/15

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

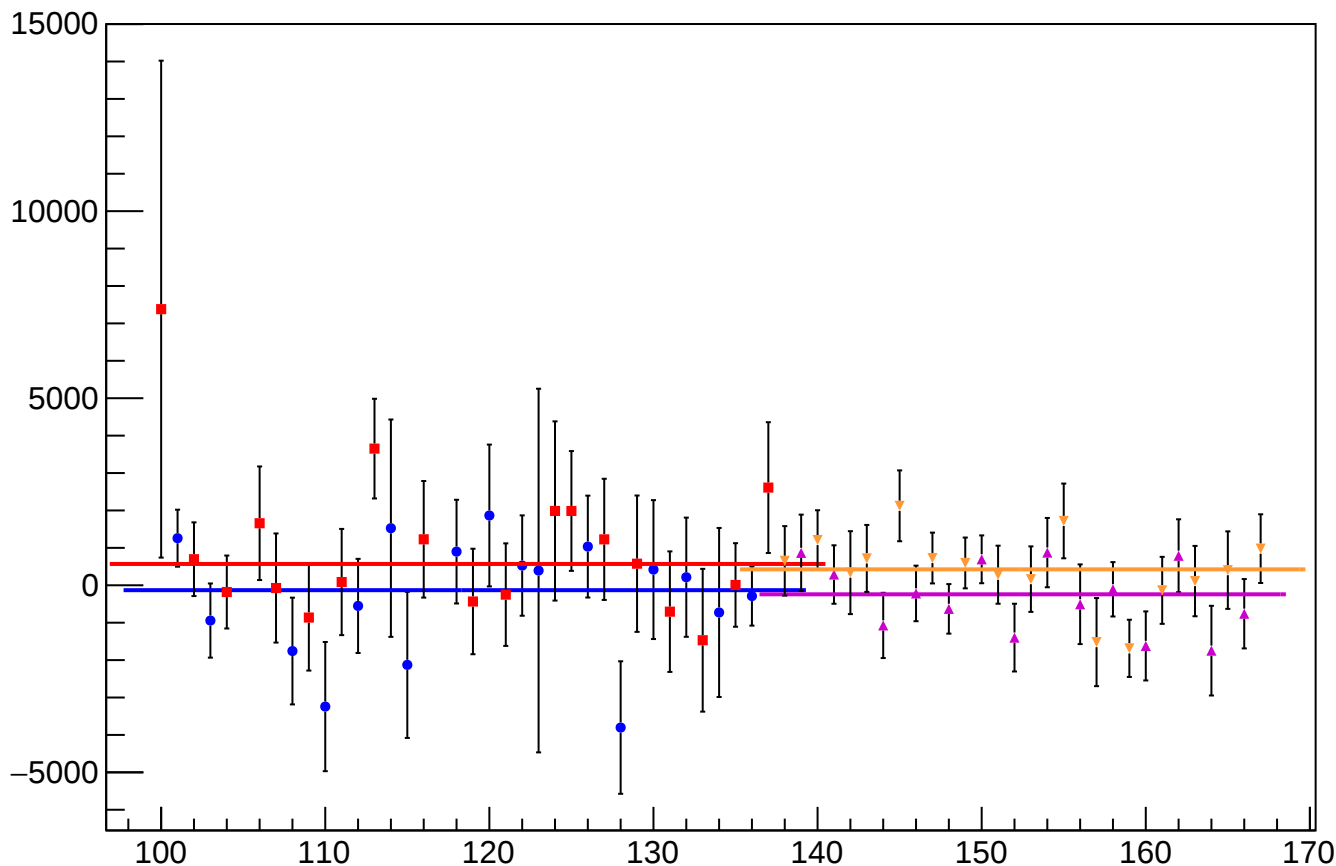
Left In: 559.657 $\pm$ 0.120 χ^2 /NDF:10222.7/13

+ sign 561.344 $\pm$ 0.092 χ^2 /NDF: 25295.7/32

All: 561.531 $\pm$ 0.066 χ^2 /NDF: 85583.4/65

- sign 561.723 $\pm$ 0.094 χ^2 /NDF: 60279.3/32

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

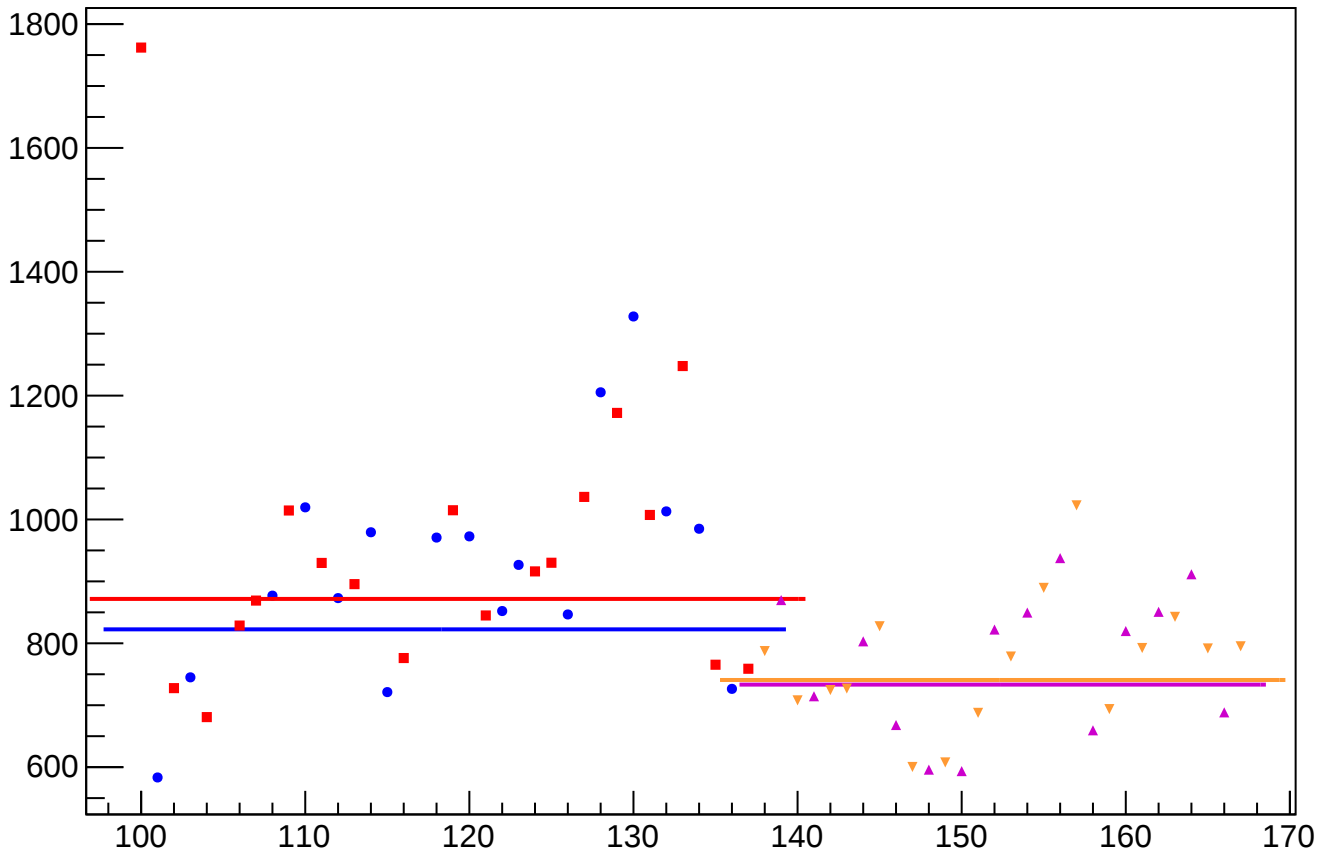
Left In: -241.491 ± 225.299 χ^2/NDF : 13.5/13

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

All: 138.129 ± 129.944 χ^2/NDF : 69.9/65

- sign 13.904 ± 186.497 χ^2/NDF : 32.1/32

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

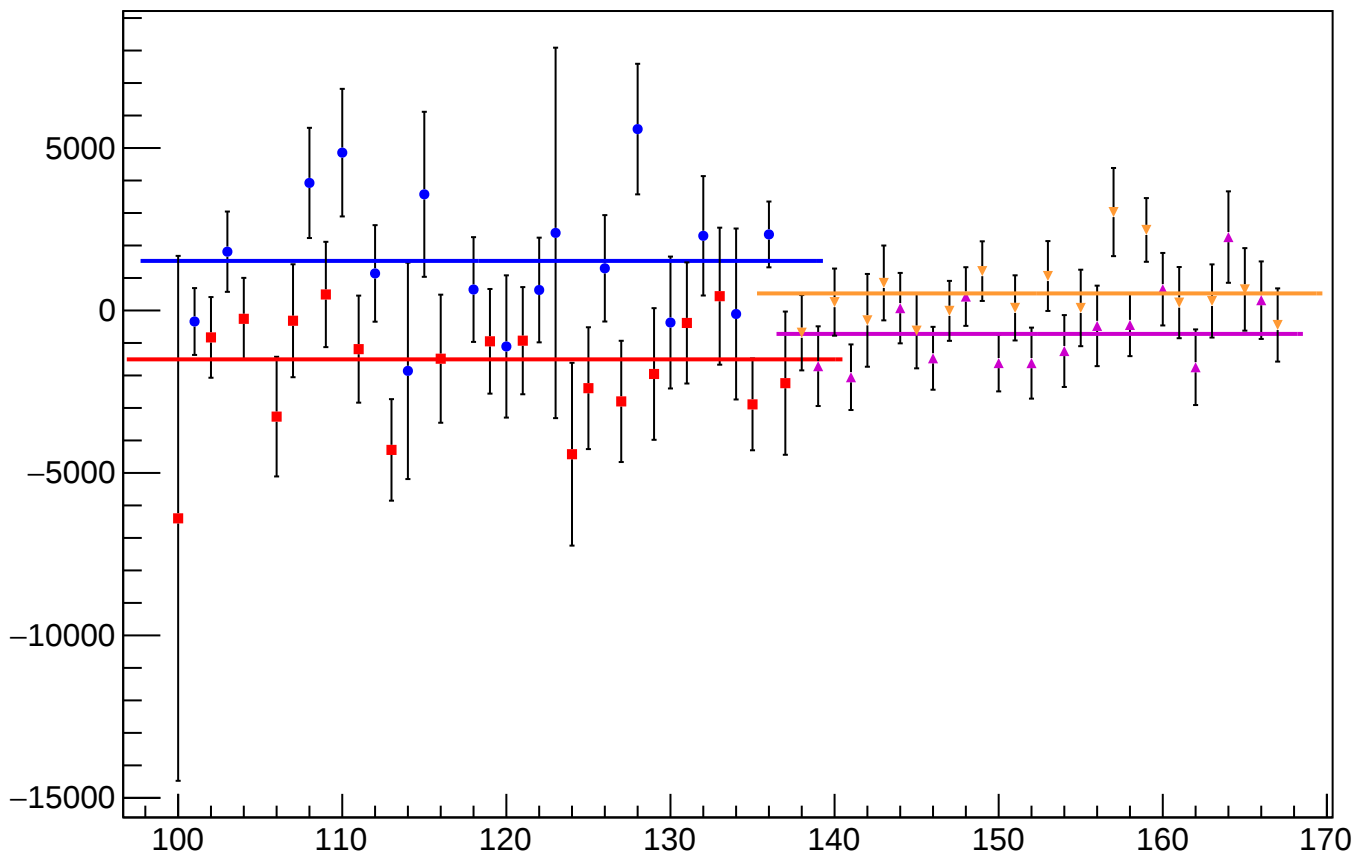
Left In: 733.304+/-0.159 χ^2/NDF : 487320.2/13

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

All: 771.155+/-0.092 χ^2/NDF : 2233282.6/65

- sign 776.862+/-0.132 χ^2/NDF : 1131665.8/32

asym_right_avg_mean vs Slug



Right In: 1525.470 $\pm$ 401.784 χ^2 /NDF: 18.2/16

Left Out: 524.892 $\pm$ 274.944 χ^2 /NDF:12.3/15

Right Out: -1504.406 $\pm$ 399.953 χ^2 /NDF: 12.1/18

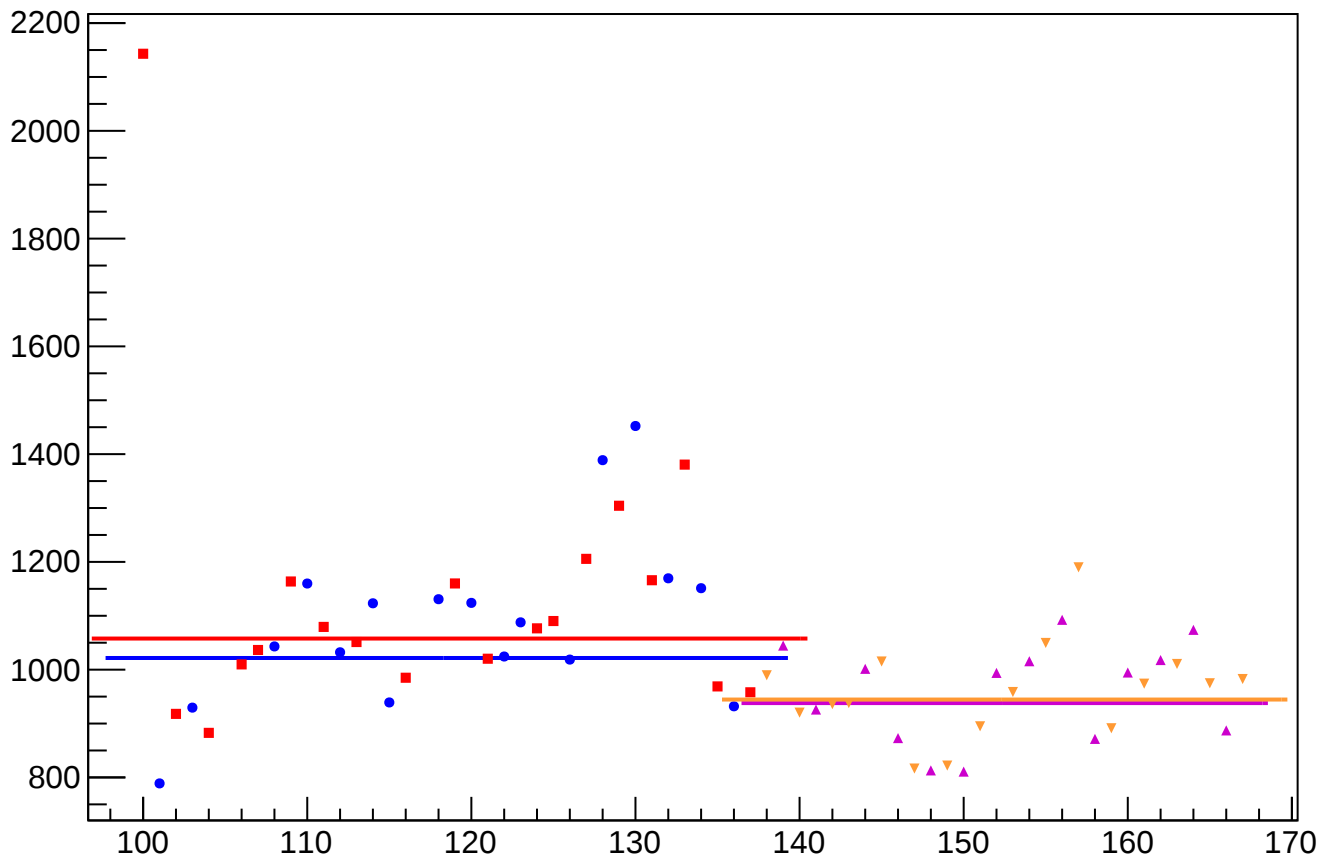
Left In: -721.347 $\pm$ 285.735 χ^2 /NDF:14.8/13

+ sign 844.007 $\pm$ 226.903 χ^2 /NDF: 34.7/32

All: -48.696 $\pm$ 162.386 χ^2 /NDF: 95.9/65

- sign -985.961 $\pm$ 232.497 χ^2 /NDF: 29.4/32

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

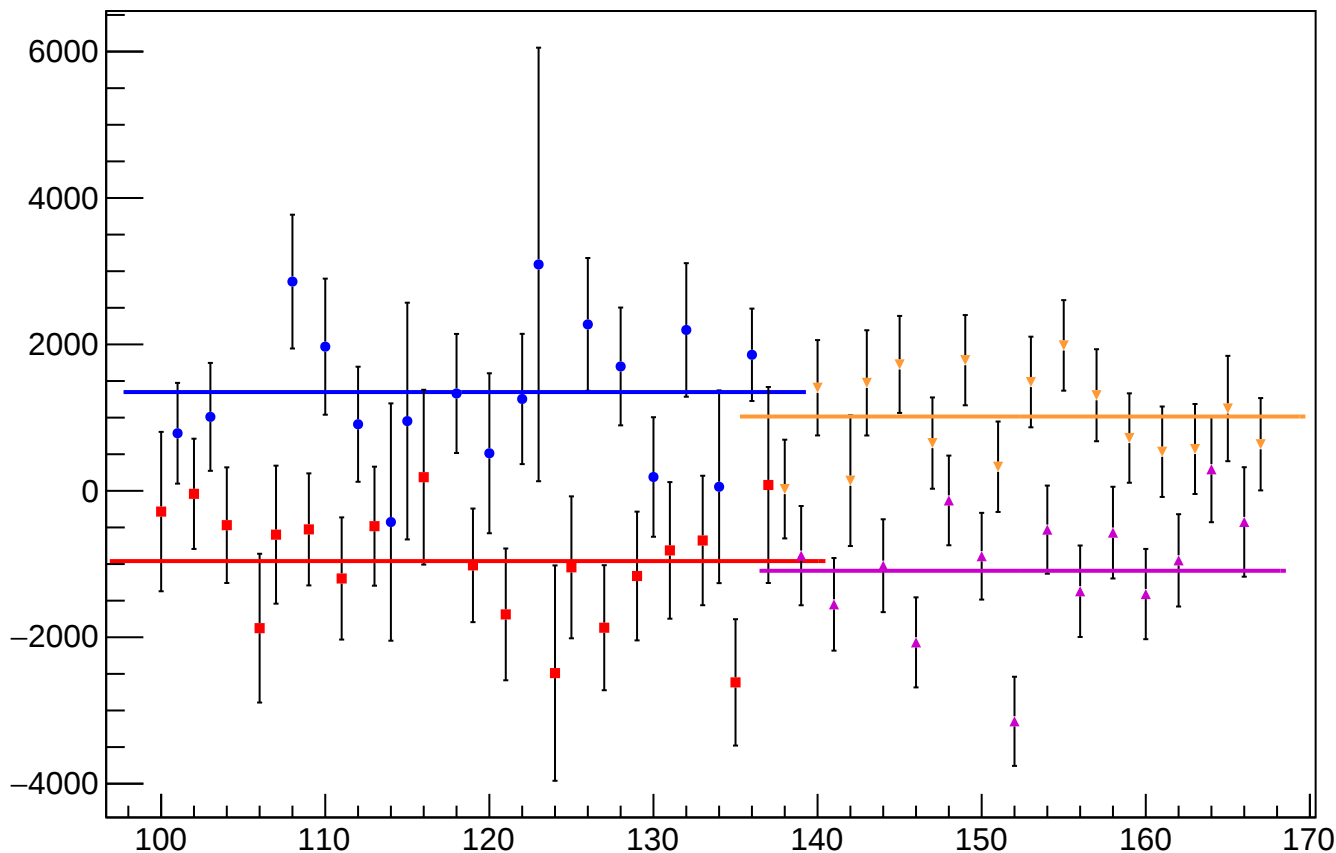
Left In: 937.973+/-0.202 χ^2/NDF :204857.2/13

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

All: 973.679+/-0.115 χ^2/NDF : 1128525.4/65

- sign 978.448+/-0.164 χ^2/NDF : 554555.0/32

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

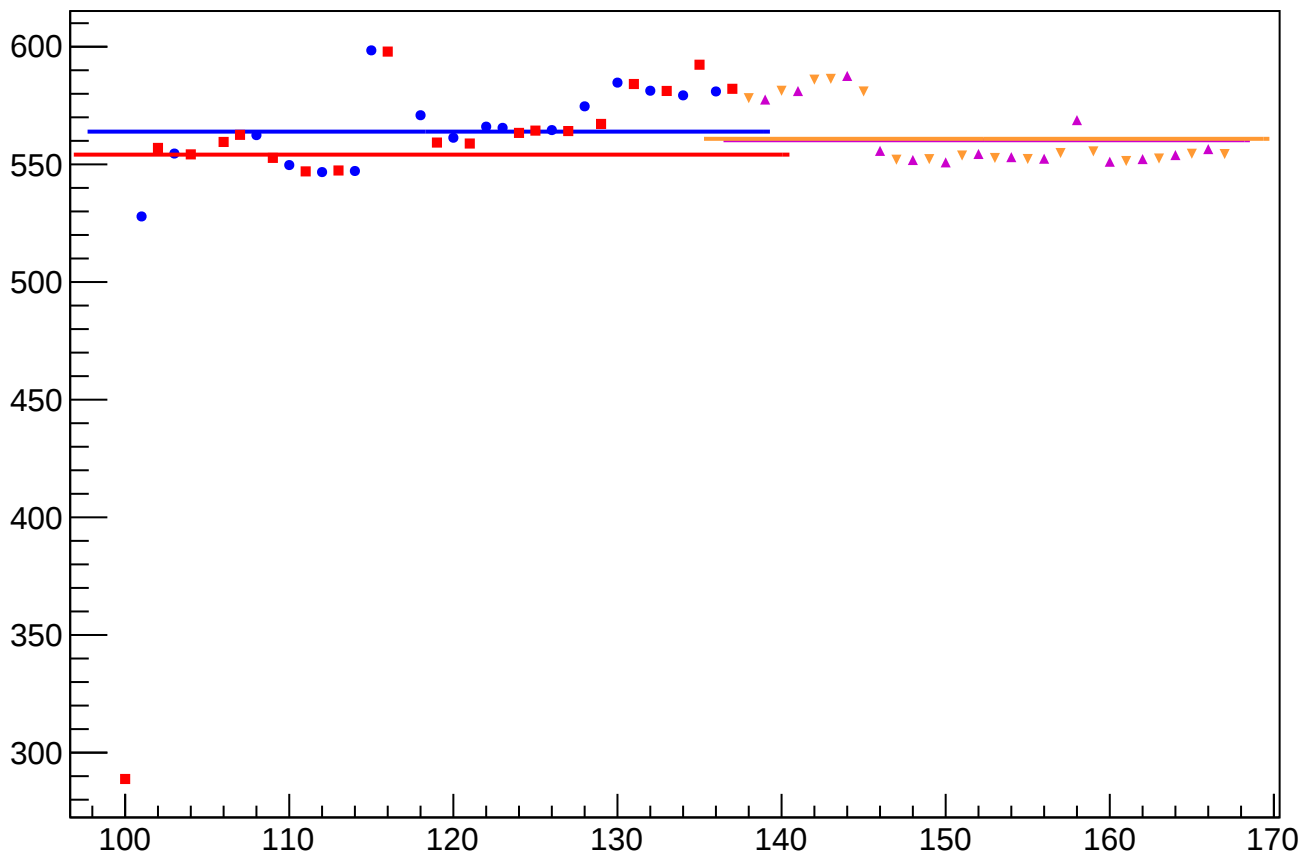
Left In: -1091.800 $\pm$ 169.652 χ^2 /NDF:23.7/13

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

All: 58.185 $\pm$ 92.525 χ^2 /NDF: 201.0/65

- sign -1038.989 $\pm$ 131.504 χ^2 /NDF: 36.2/32

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

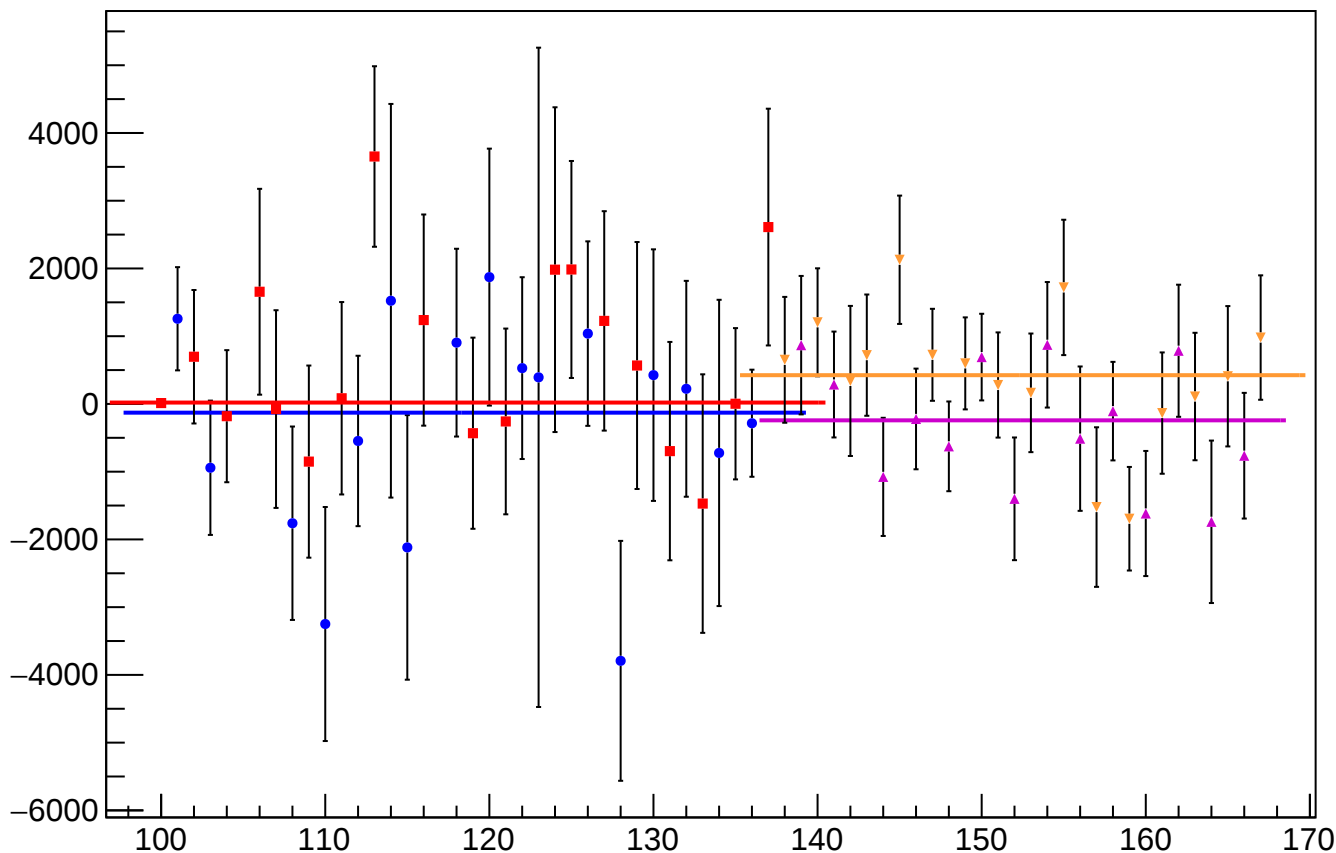
Left In: 560.260 $\pm$ 0.120 χ^2 /NDF:10313.2/13

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

All: 559.906 $\pm$ 0.065 χ^2 /NDF: 169789.6/65

- sign 557.819 $\pm$ 0.093 χ^2 /NDF: 143315.6/32

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 $\chi^2/\text{NDF}: 16.1/18$

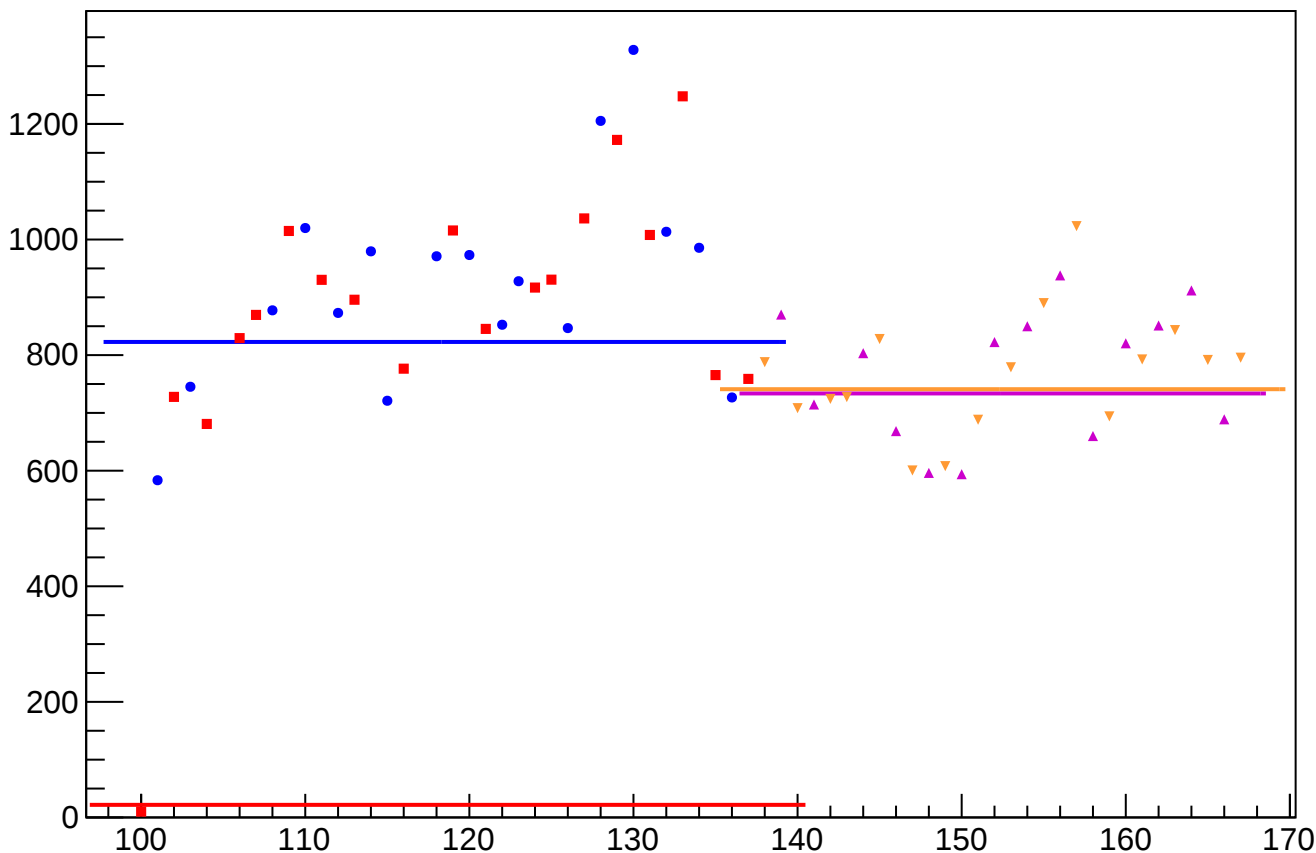
Left In: -242.066 ± 225.408 $\chi^2/\text{NDF}: 13.4/13$

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

All: 23.188 ± 37.552 $\chi^2/\text{NDF}: 69.4/65$

- sign 12.773 ± 38.385 $\chi^2/\text{NDF}: 30.8/32$

asym_right_dd_correction_rms vs Slug



Right In: 822.780 ± 0.232 χ^2/NDF : 600873.9/16

Left Out: 741.021 ± 0.154 χ^2/NDF : 410643.1/15

Right Out: 21.812 ± 0.028 χ^2/NDF : 13523611.9/18

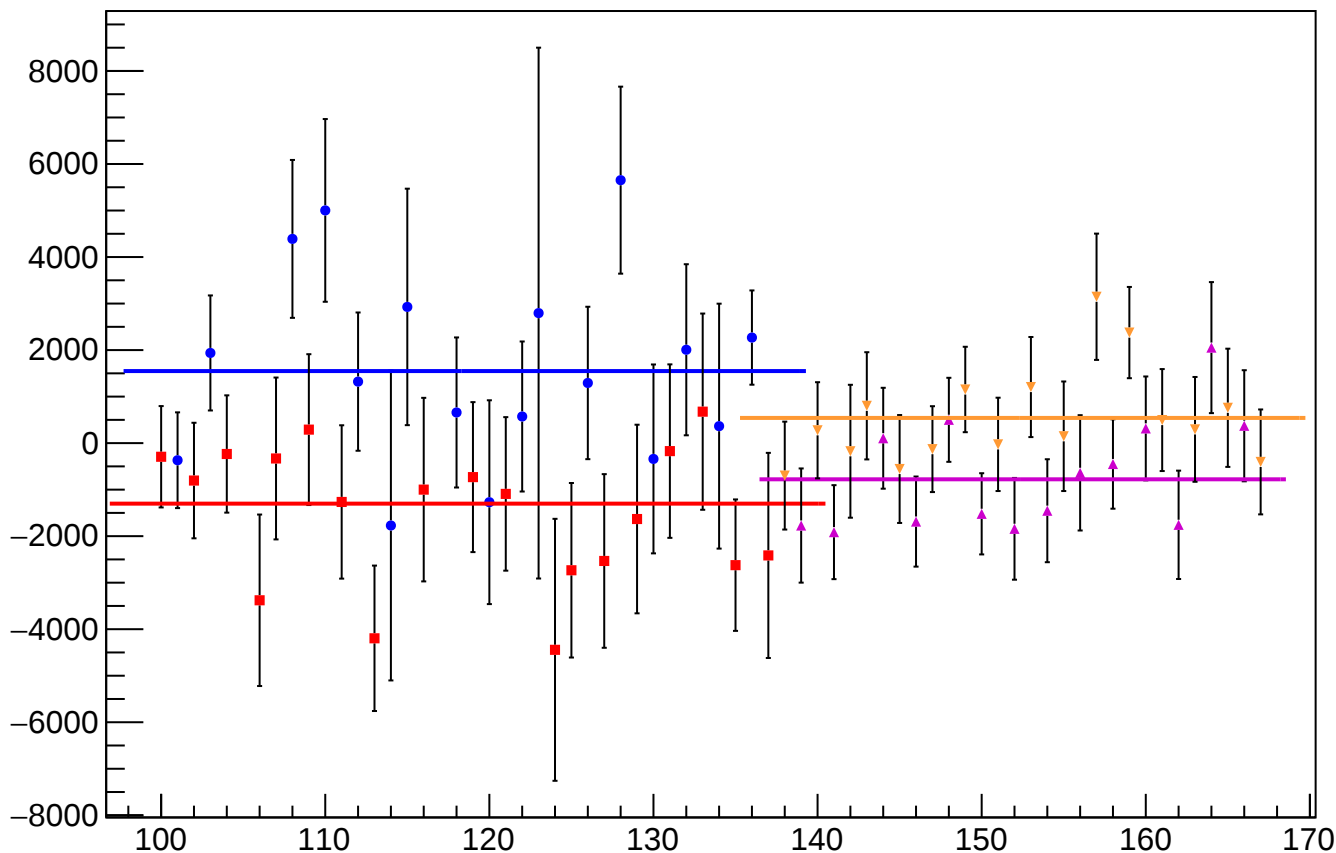
Left In: 733.669 ± 0.159 χ^2/NDF : 487004.8/13

+ sign 766.026 ± 0.128 χ^2/NDF : 1097941.2/32

All: 73.526 ± 0.027 χ^2/NDF : 64992754.6/65

- sign 42.456 ± 0.027 χ^2/NDF : 33379063.3/32

asym_right_dd_mean vs Slug



Right In: 1548.873 ± 402.008 χ^2/NDF : 19.0/16

Left Out: 541.637 ± 275.104 χ^2/NDF : 12.2/15

Right Out: -1300.945 ± 376.043 χ^2/NDF : 12.5/18

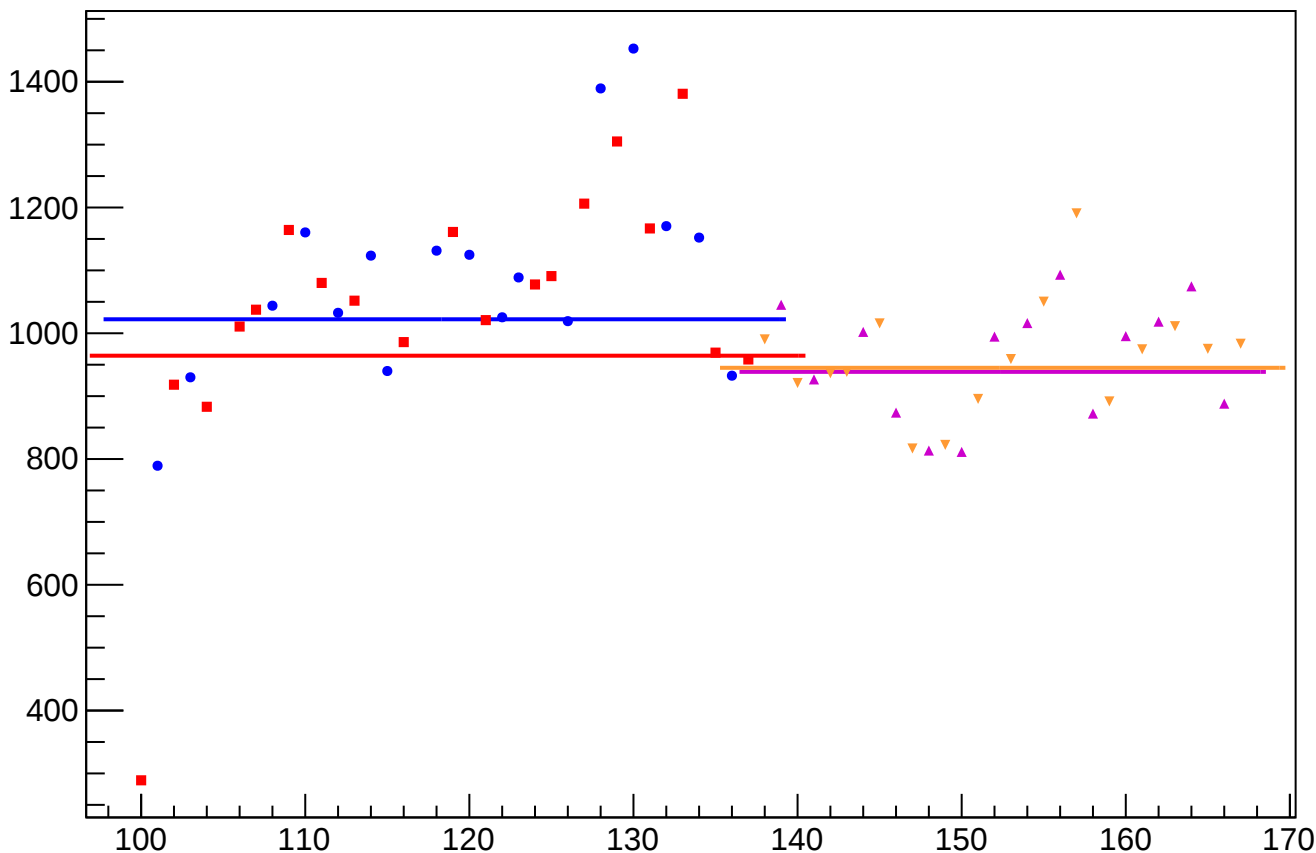
Left In: -777.944 ± 285.933 χ^2/NDF : 14.3/13

+ sign 862.885 ± 227.034 χ^2/NDF : 35.4/32

All: -51.015 ± 160.740 χ^2/NDF : 95.9/65

- sign -969.548 ± 227.608 χ^2/NDF : 28.0/32

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

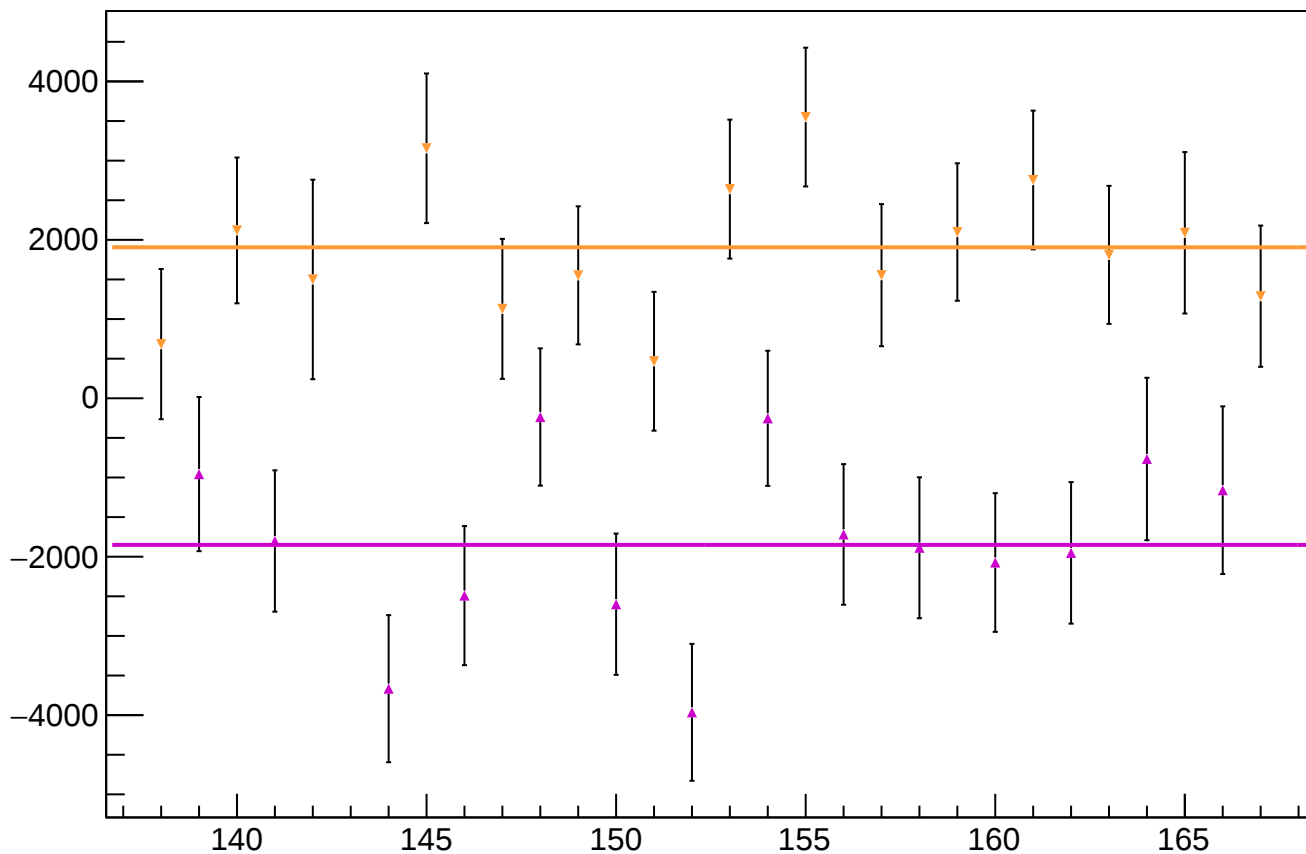
Left In: 938.629+/-0.202 χ^2/NDF :204686.8/13

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

All: 958.895+/-0.114 χ^2/NDF : 1859347.7/65

- sign 948.044+/-0.161 χ^2/NDF : 1277887.8/32

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

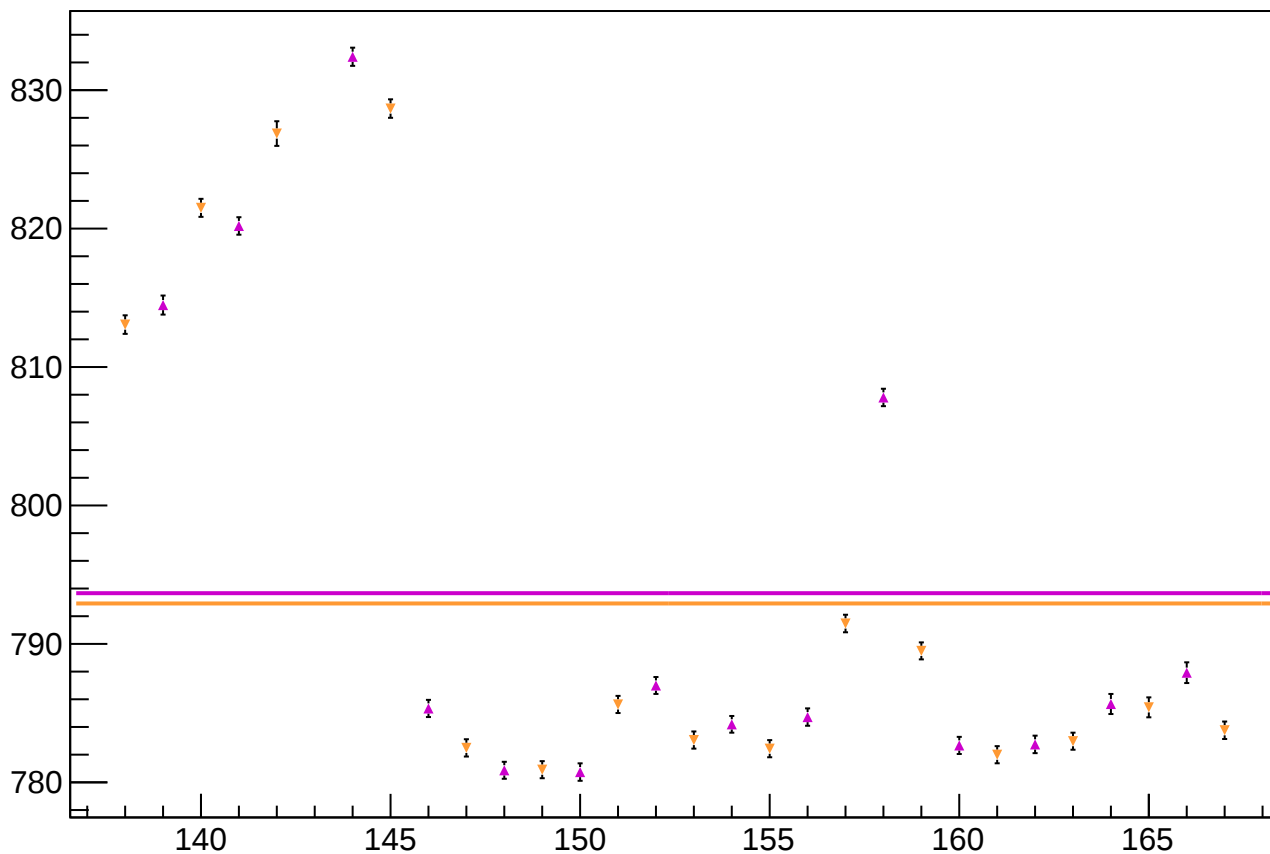
Left In: -1851.083+/-242.499 χ^2/NDF :20.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 78.804+/-169.114 χ^2/NDF : 156.9/28

- 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

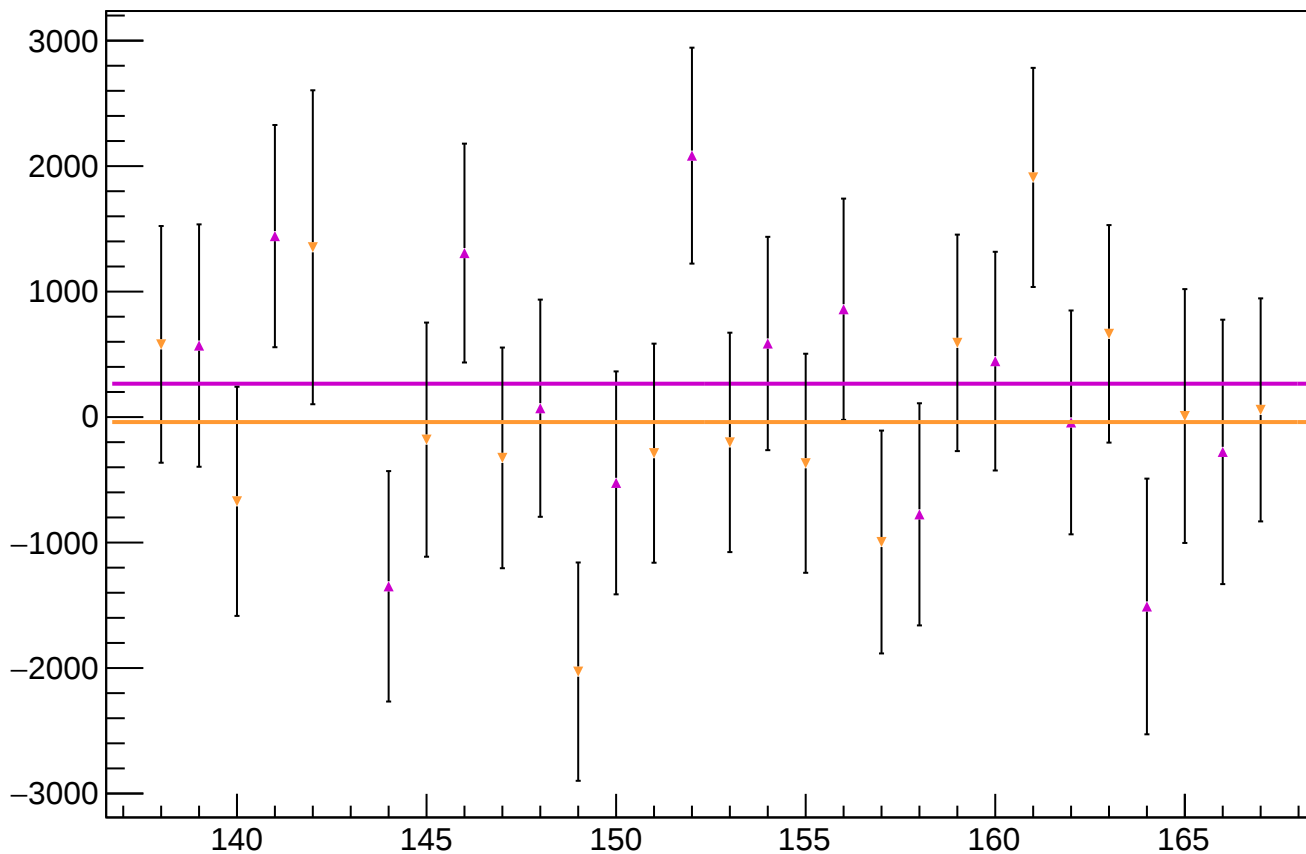
Left In: 793.664+/-0.171 χ^2/NDF : 9072.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 793.282+/-0.120 χ^2/NDF : 18495.1/28

- 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

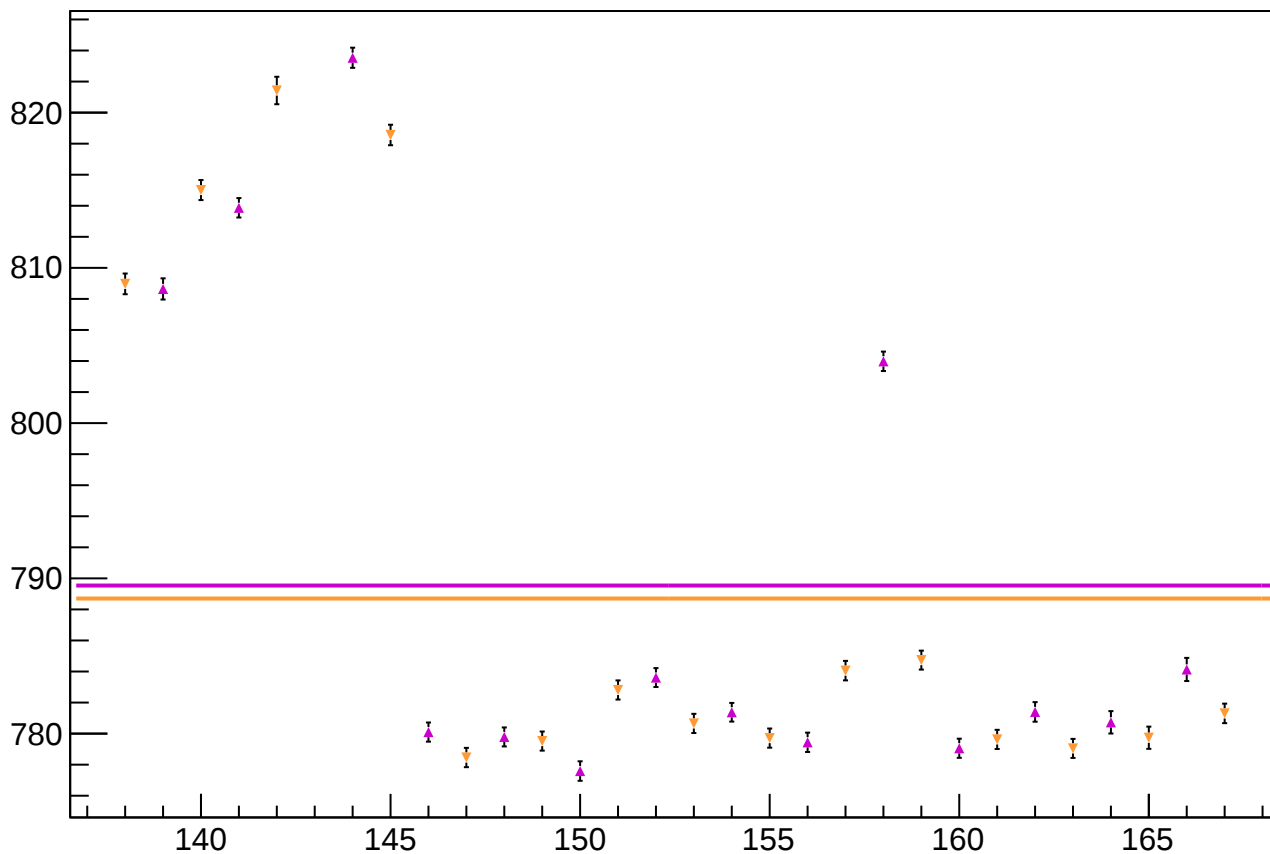
Left In: 265.988 $\pm$ 241.226 χ^2 /NDF:17.1/13

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

All: 108.939 $\pm$ 168.212 χ^2 /NDF: 33.1/28

- 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

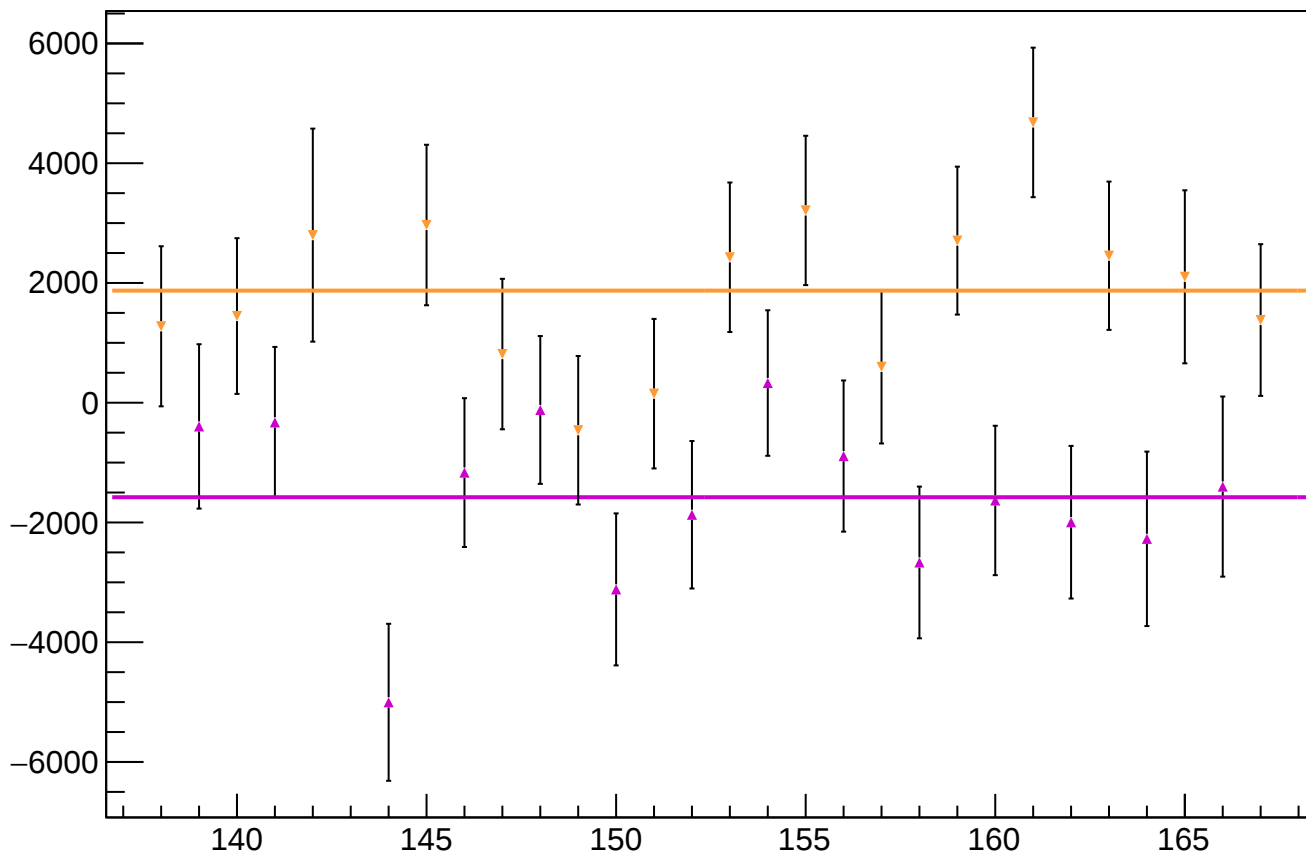
Left In: 789.539+/-0.171 χ^2/NDF : 7615.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 789.109+/-0.119 χ^2/NDF : 15452.2/28

- 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

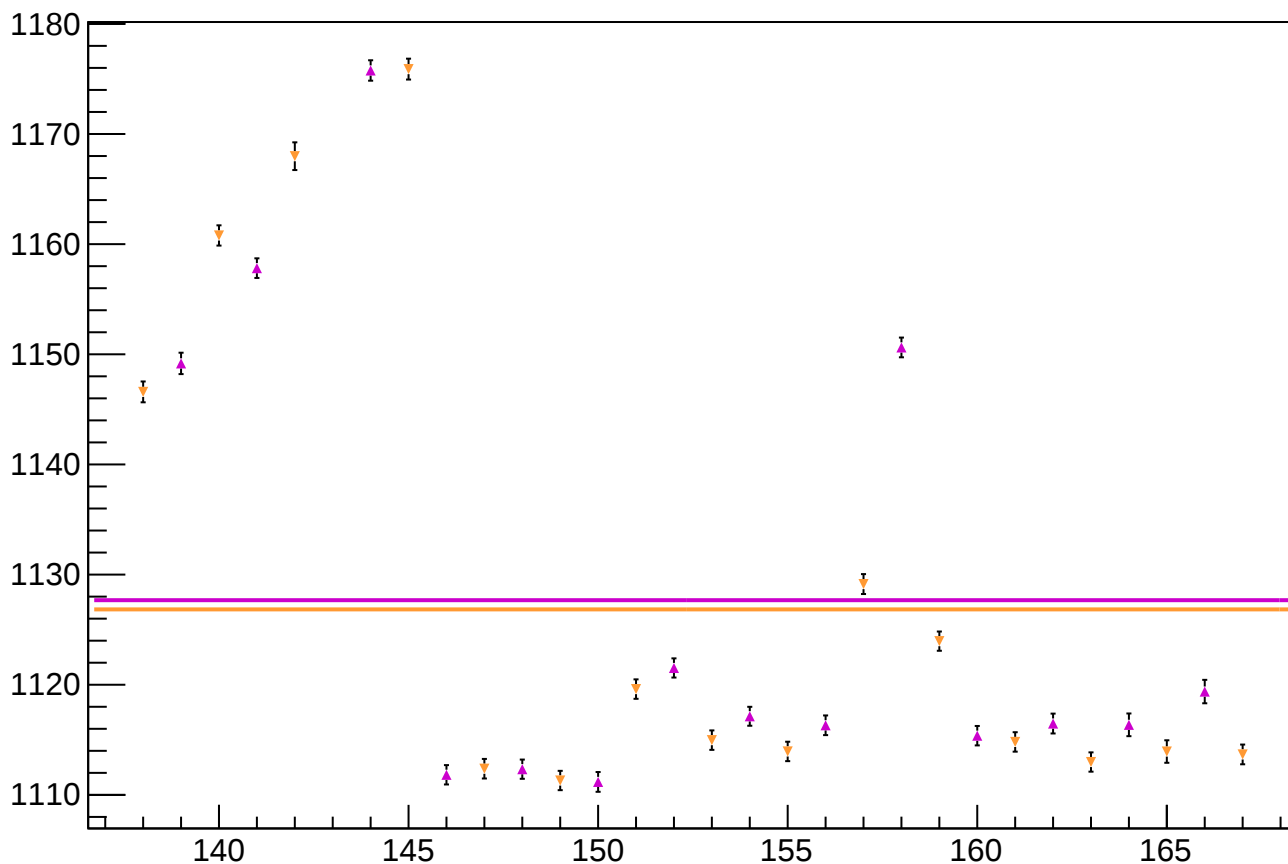
Left In: -1578.438+/-344.534 χ^2/NDF :15.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 193.747+/-240.292 χ^2/NDF : 82.6/28

- 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

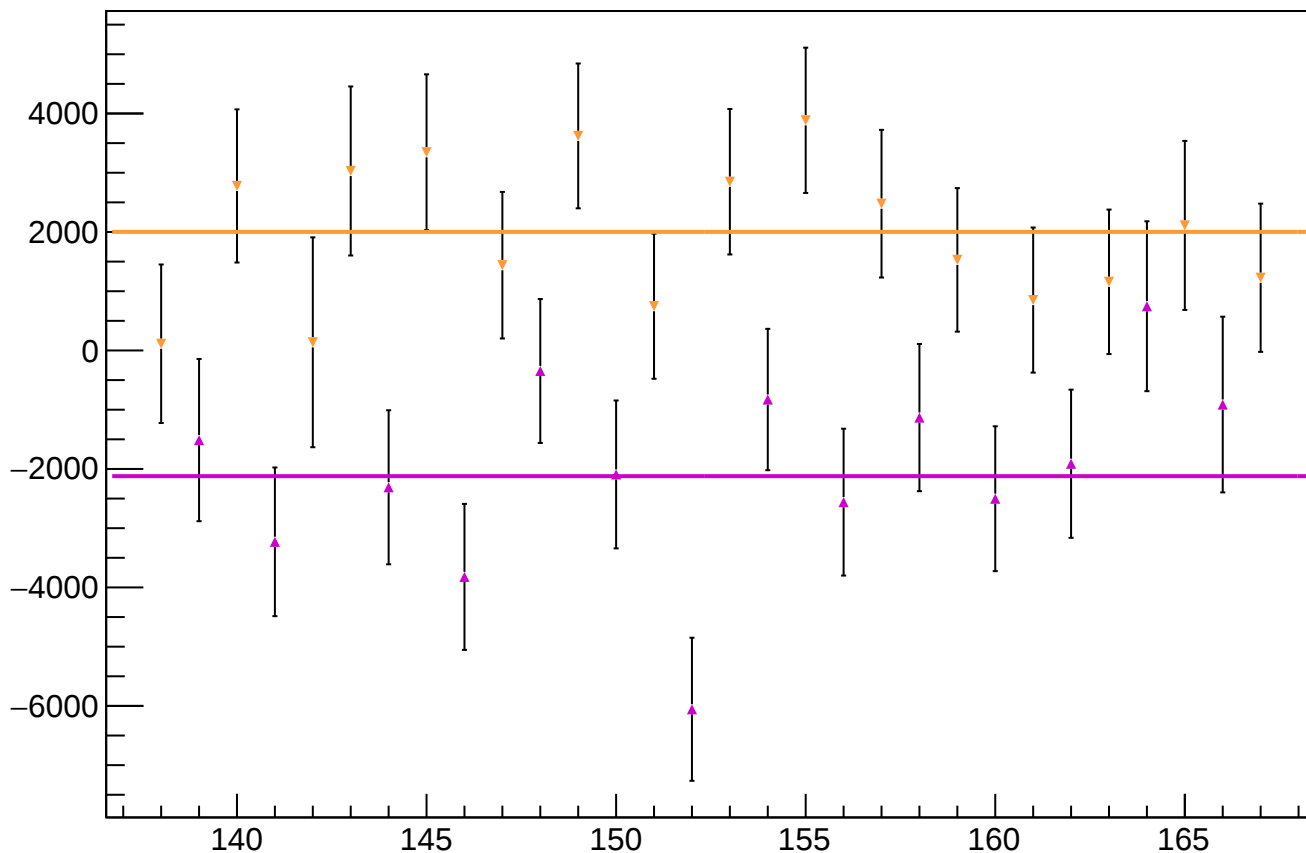
Left In: 1127.677+/-0.244 χ^2/NDF : 6847.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1127.248+/-0.170 χ^2/NDF : 14270.3/28

- 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

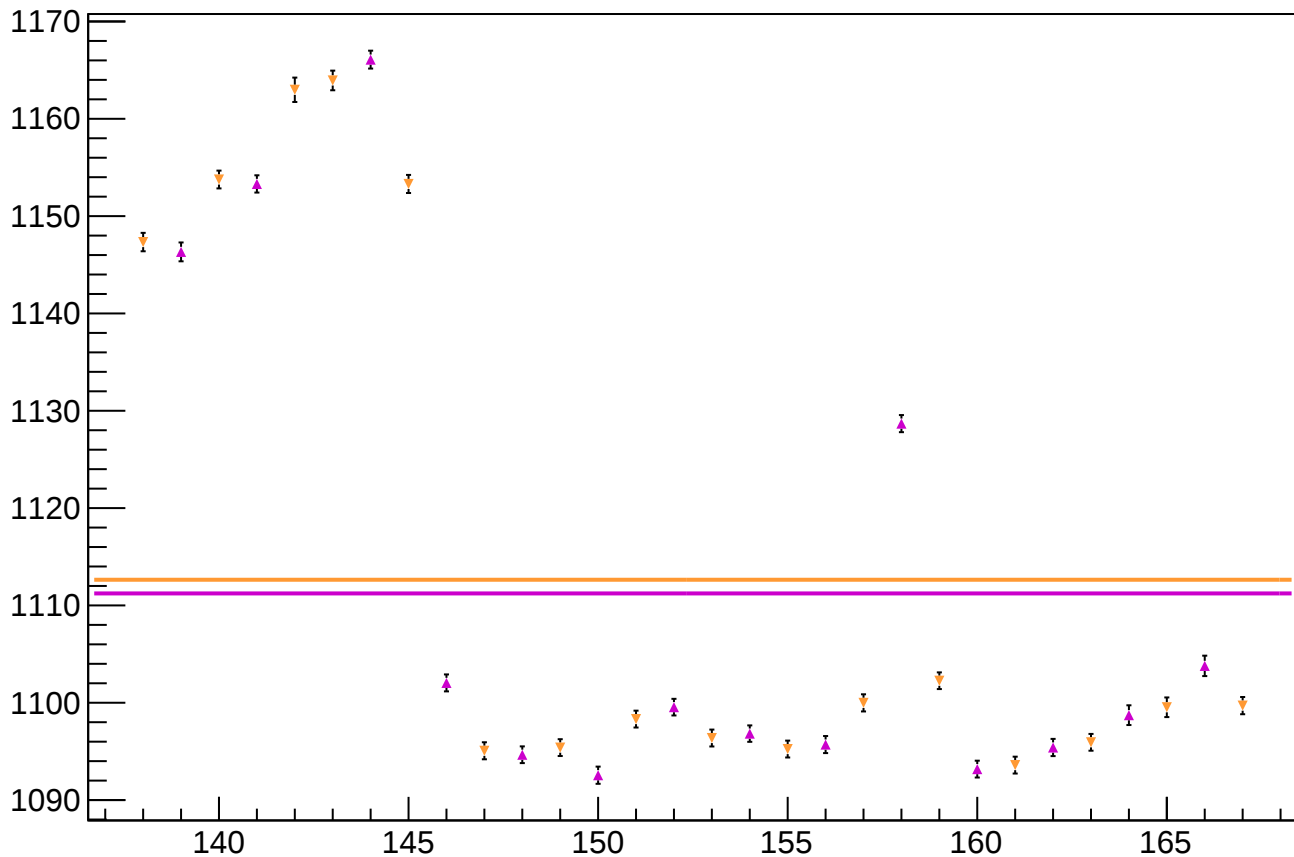
Left In: -2121.756+/-339.536 χ^2/NDF :22.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 50.810+/-233.554 χ^2/NDF : 113.0/29

- 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

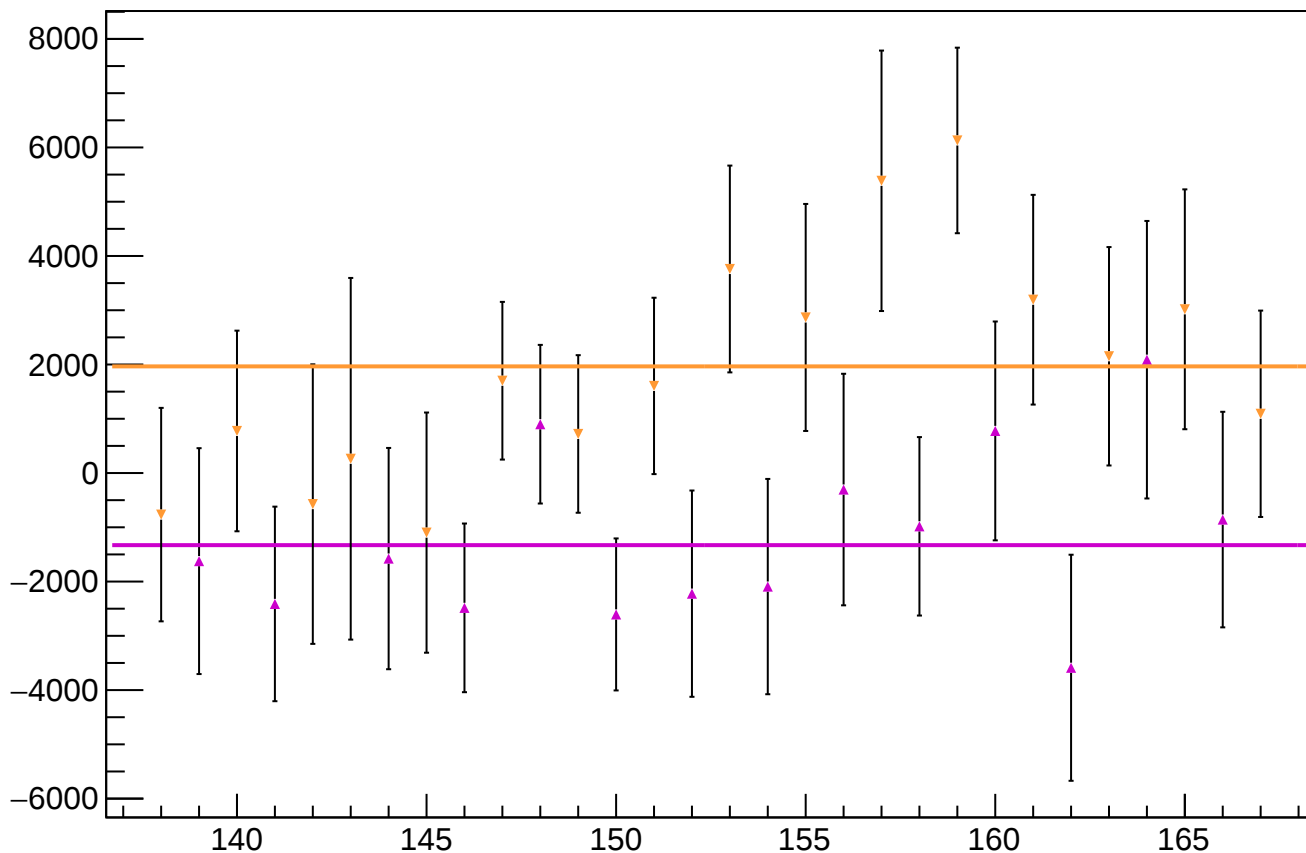
Left In: 1111.232+/-0.240 χ^2/NDF :10198.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1111.973+/-0.165 χ^2/NDF : 23124.7/29

- 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

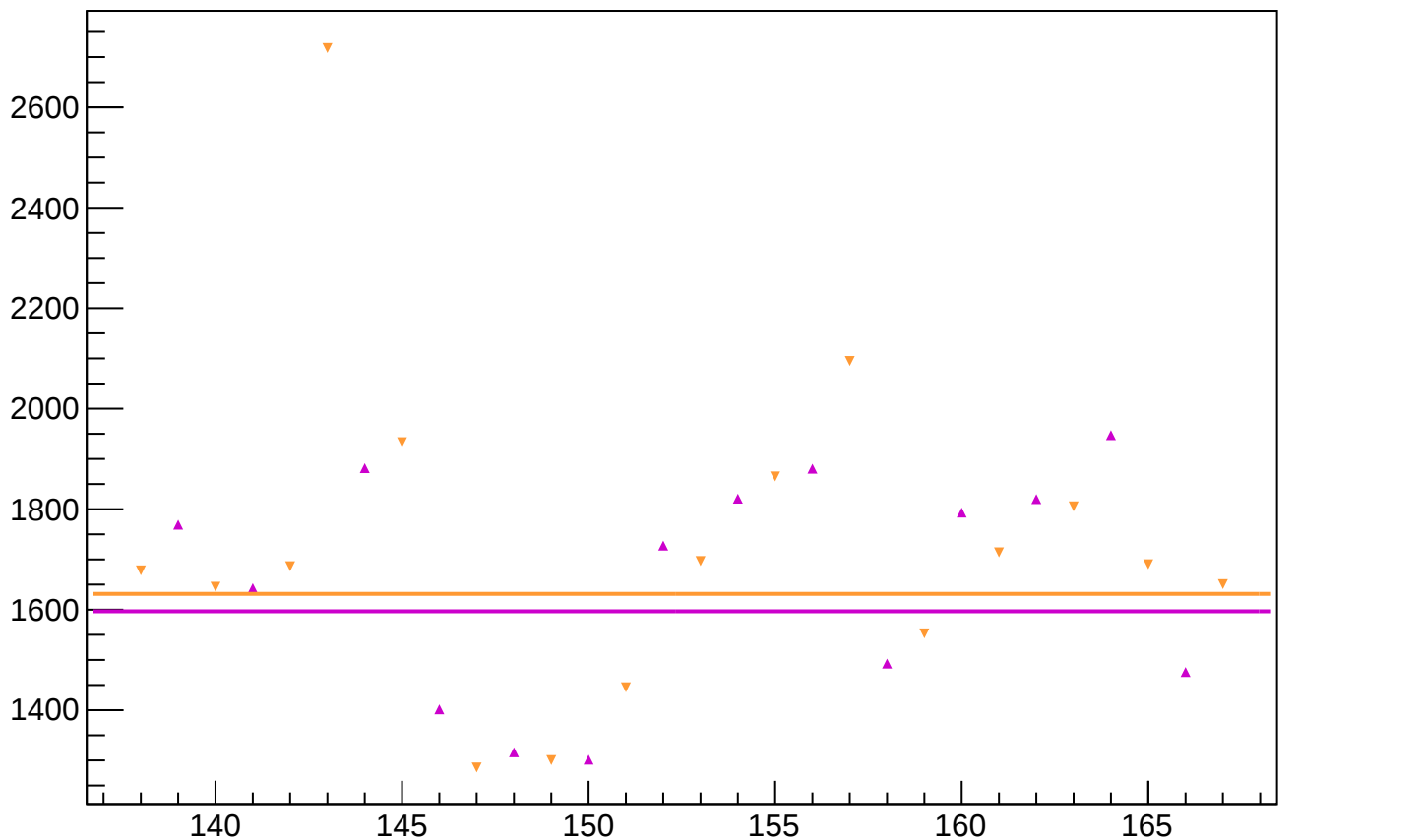
Left In: -1328.931+/-489.261 χ^2/NDF : 8.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 349.242+/-342.681 χ^2/NDF : 48.2/29

- 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

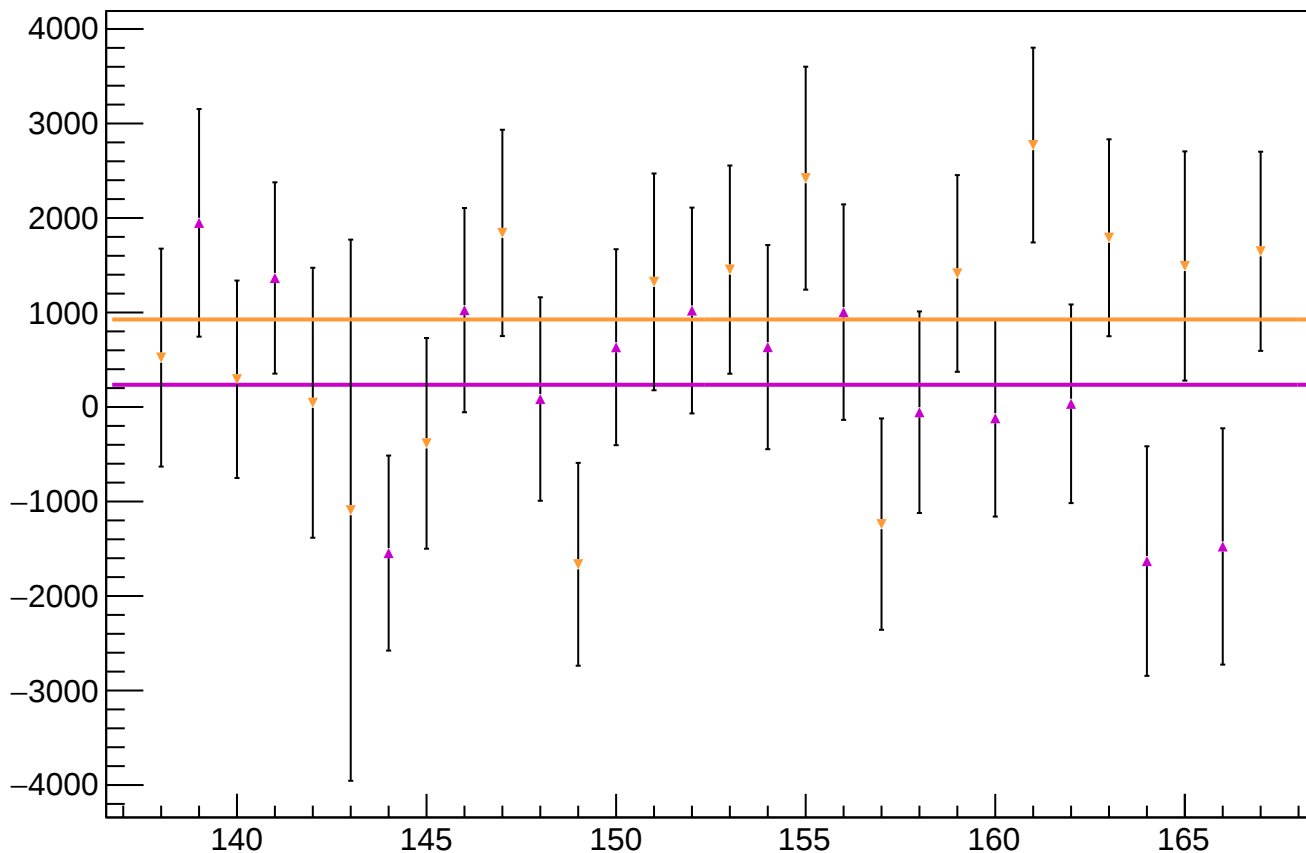
Left In: 1596.768+/-0.346 χ^2/NDF : 413588.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1614.483+/-0.242 χ^2/NDF : 1040175.6/29

- 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

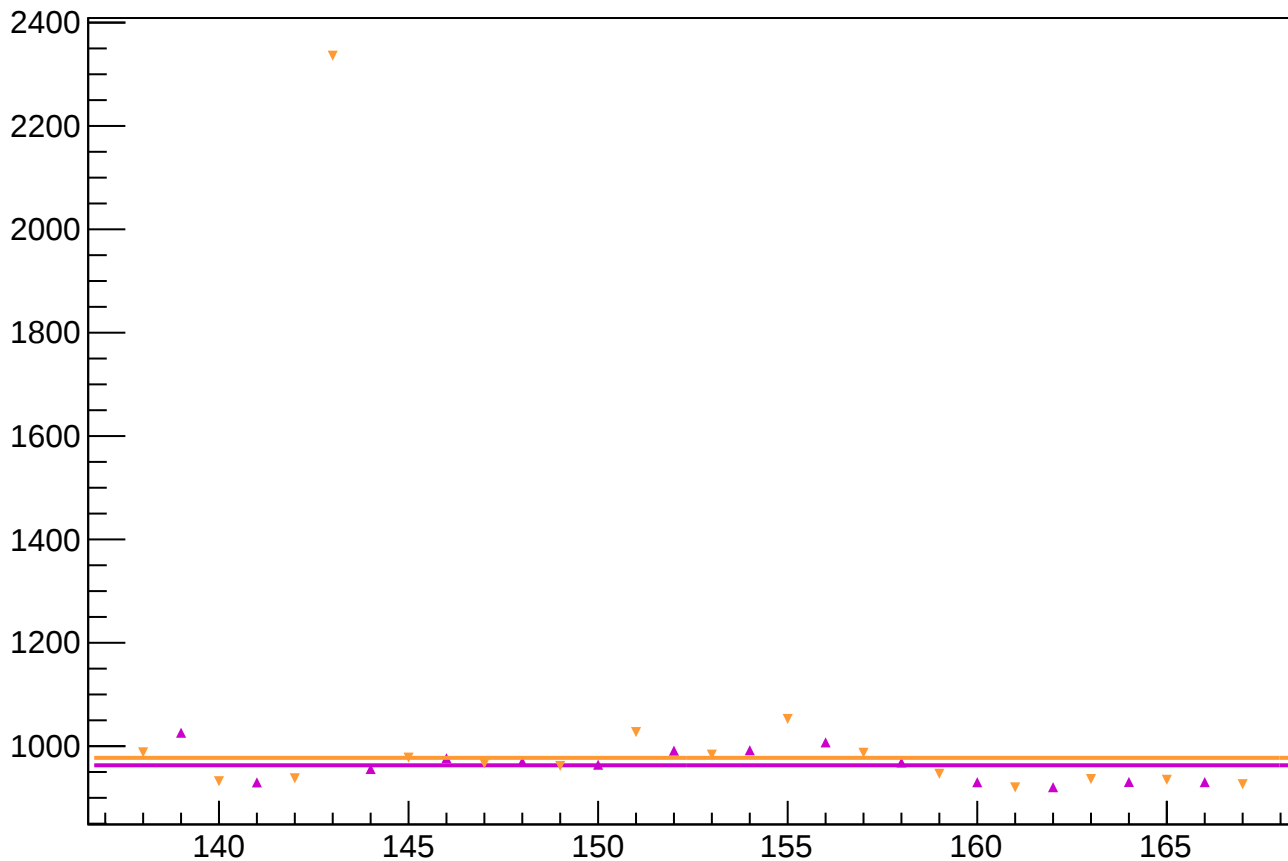
Left In: 235.245+/-291.739 χ^2/NDF : 12.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 588.117+/-204.080 χ^2/NDF : 35.2/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_rms vs Slug



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

Left Out: 977.378+/-0.202 χ^2/NDF : 486640.1/15

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

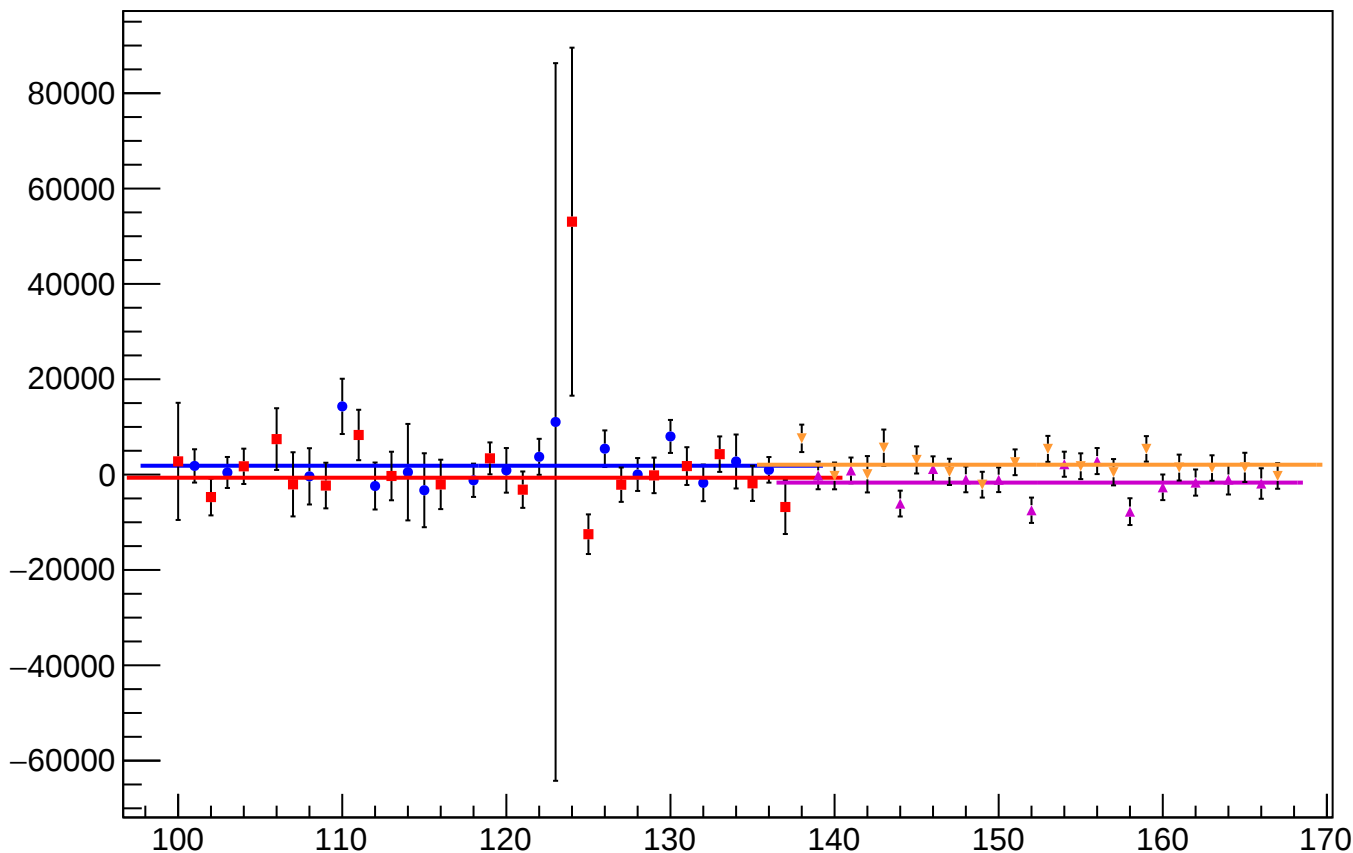
Left In: 962.965+/-0.206 χ^2/NDF : 21985.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 970.325+/-0.144 χ^2/NDF : 511118.6/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_mean vs Slug



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

Left Out: 2073.188 $\pm$ 711.054 χ^2 /NDF:12.7/15

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

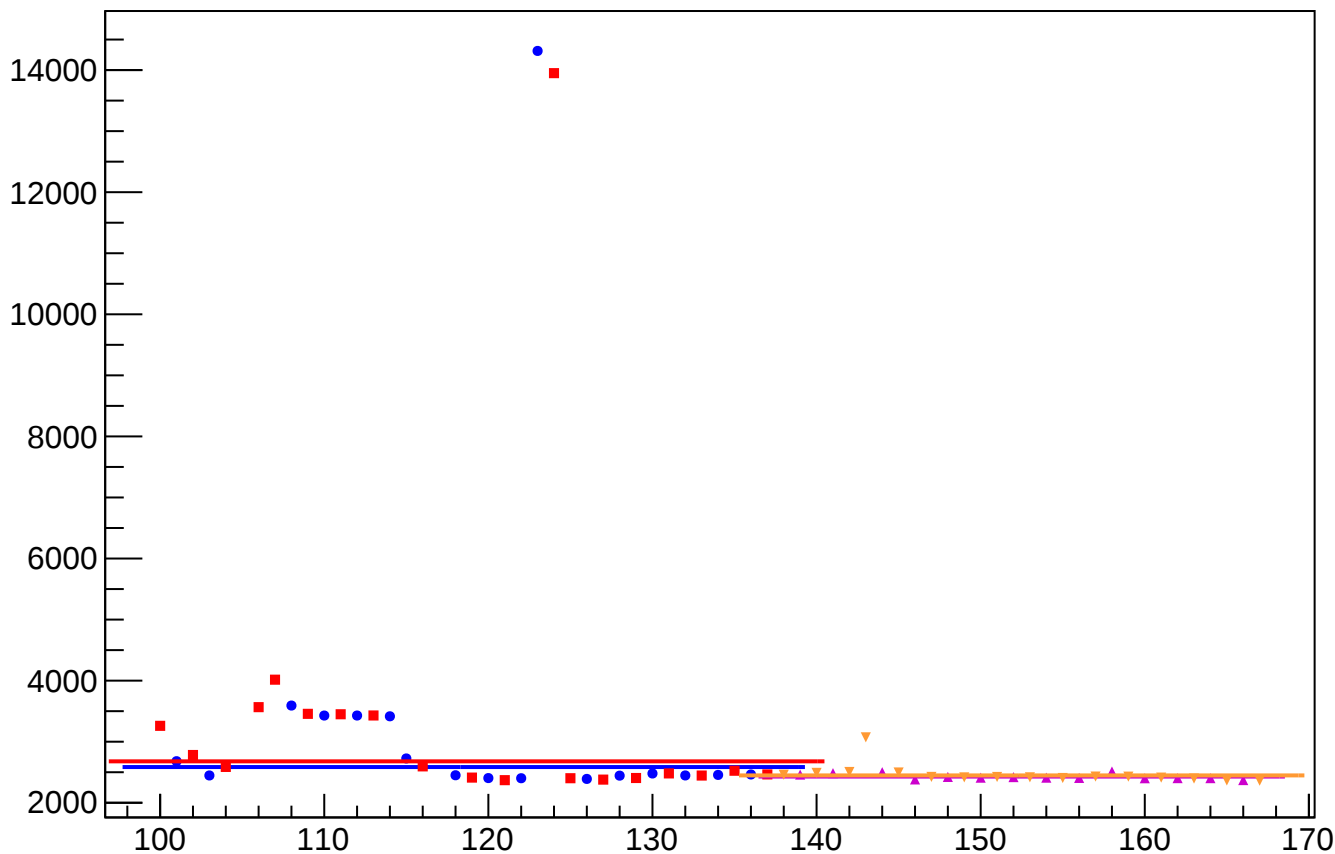
Left In: -1679.449 $\pm$ 737.809 χ^2 /NDF:19.6/13

+ sign 2002.783 $\pm$ 582.073 χ^2 /NDF: 25.2/32

All: 383.428 $\pm$ 417.297 χ^2 /NDF: 83.5/65

- sign -1328.988 $\pm$ 598.565 χ^2 /NDF: 42.3/32

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

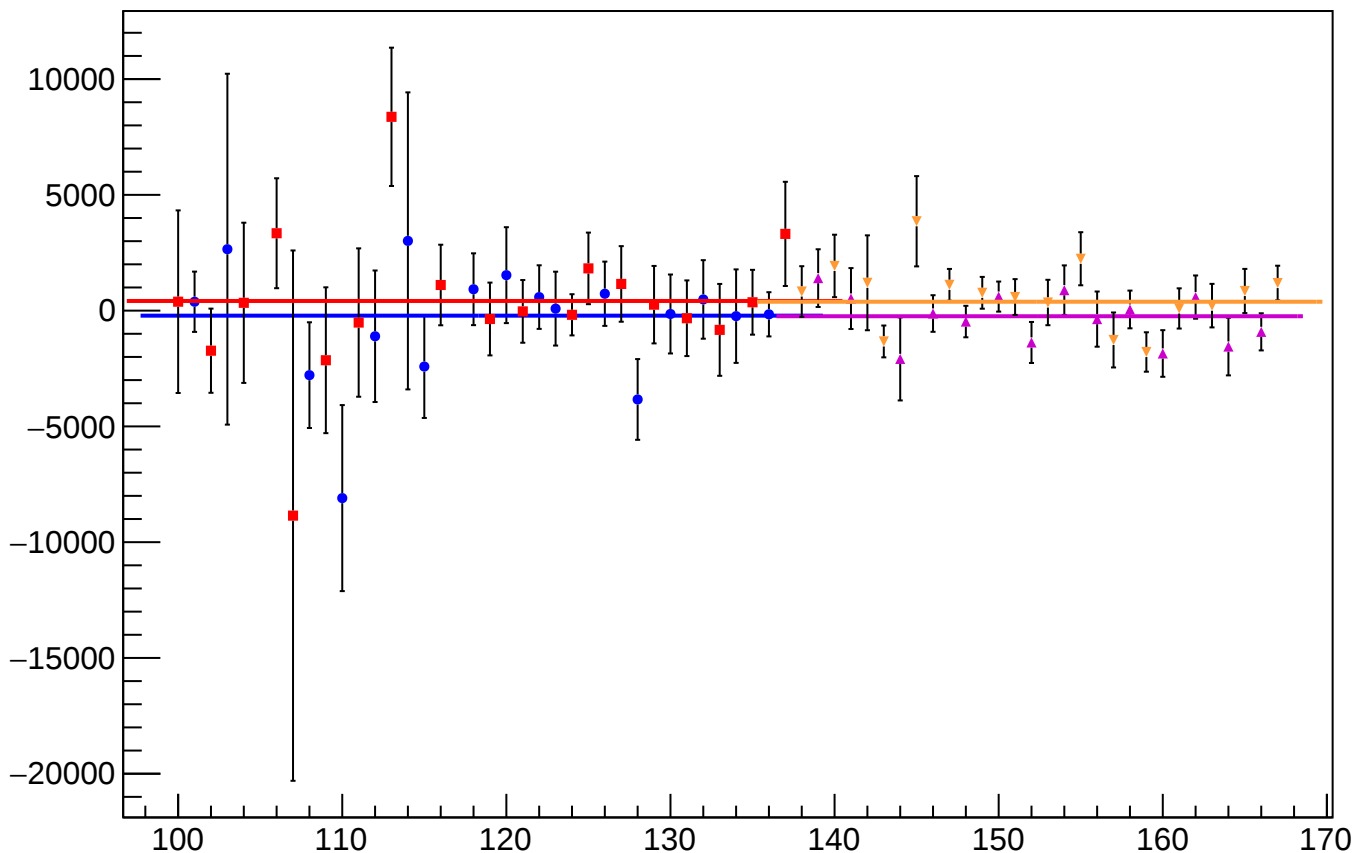
Left In: 2428.708+/-0.522 χ^2/NDF : 6414.8/13

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

All: 2503.246+/-0.295 χ^2/NDF : 959376.7/65

- sign 2514.003+/-0.423 χ^2/NDF : 616705.6/32

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

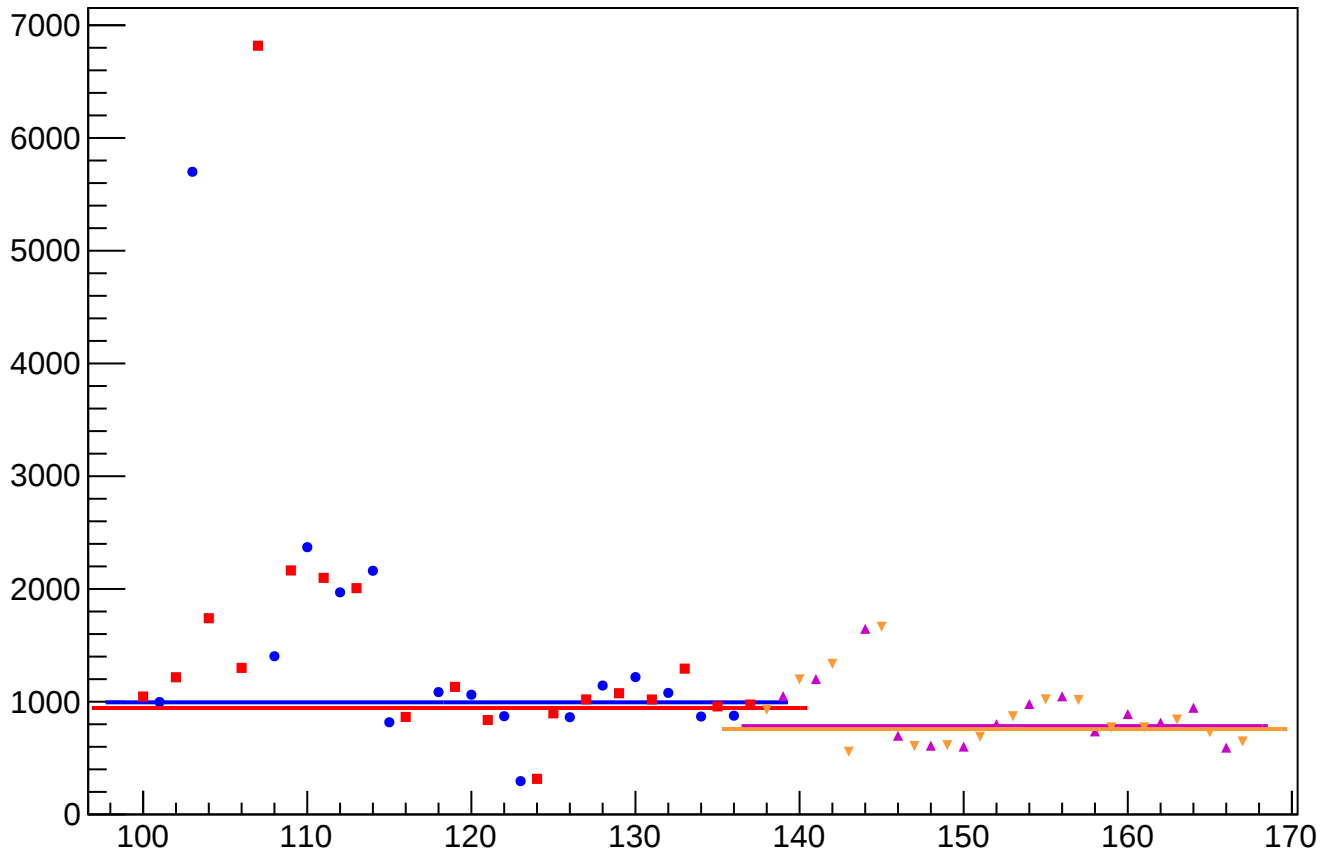
Left In: -242.125 ± 247.225 χ^2/NDF : 13.0/13

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

All: 98.971 ± 145.616 χ^2/NDF : 71.9/65

- sign -65.674 ± 211.573 χ^2/NDF : 30.6/32

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

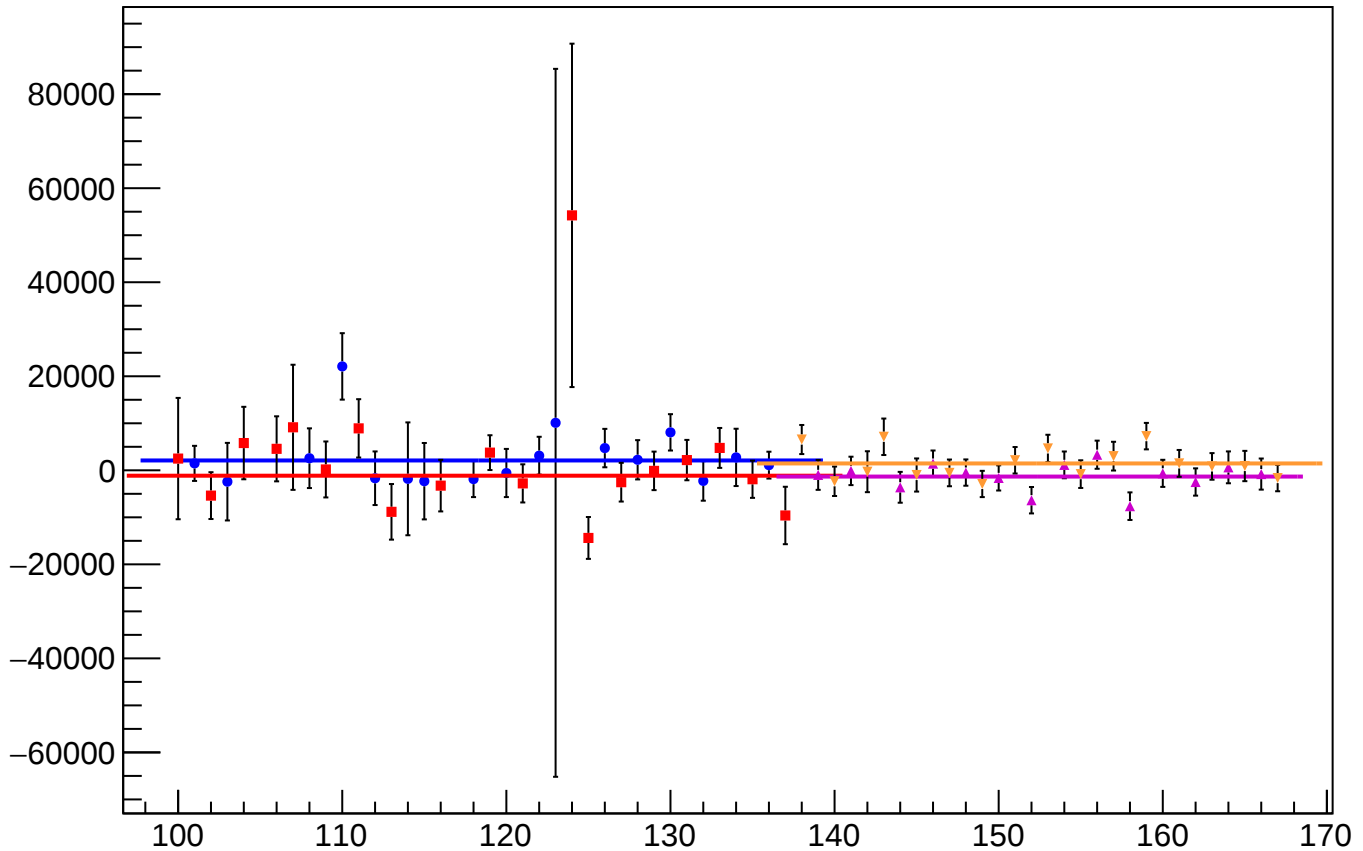
Left In: 783.588 $\pm$ 0.175 χ^2 /NDF: 1410801.6/13

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

All: 818.784 $\pm$ 0.103 χ^2 /NDF: 8218028.0/65

- sign 826.594 $\pm$ 0.150 χ^2 /NDF: 4302957.5/32

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

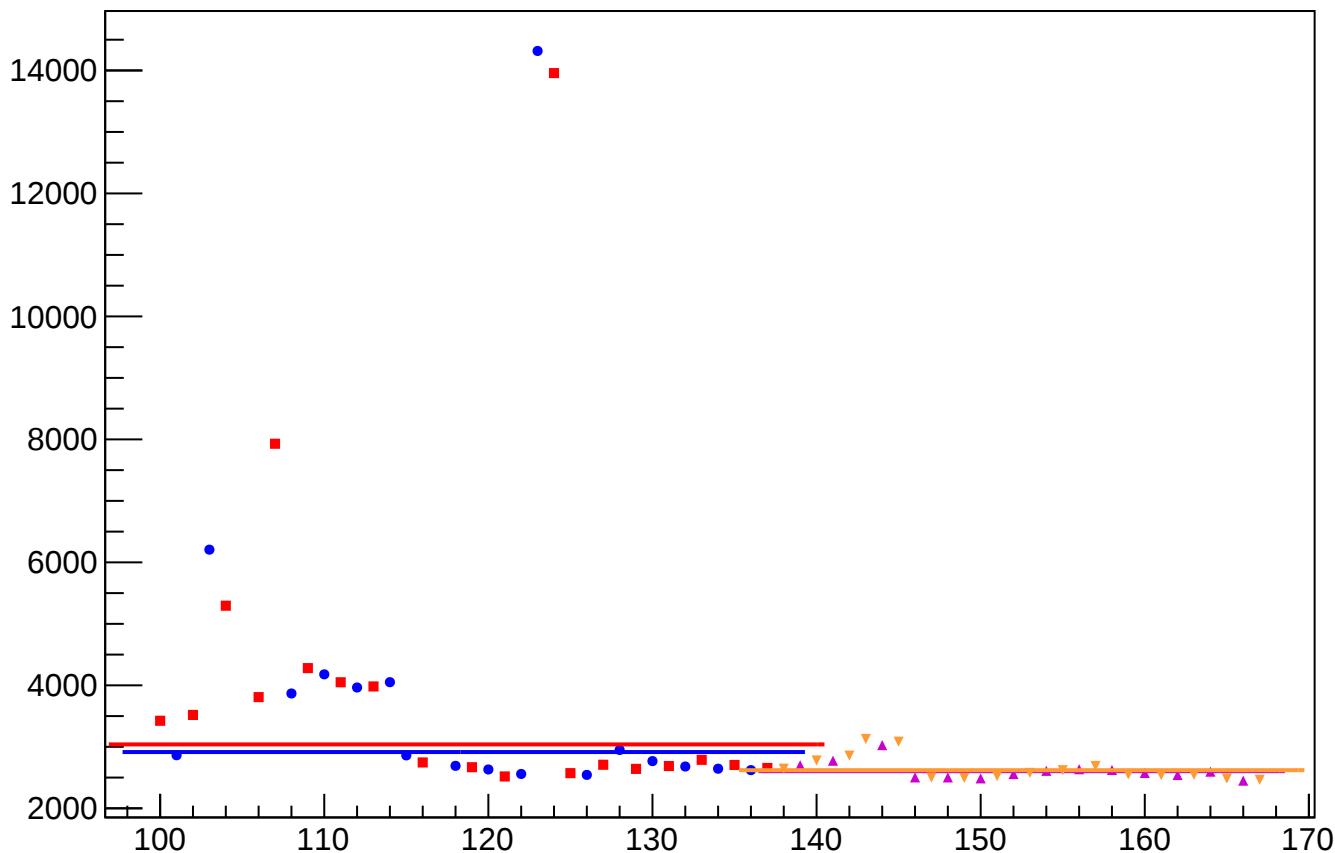
Left In: -1331.956+/-792.092 χ^2/NDF : 13.3/13

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

All: 236.810+/-457.928 χ^2/NDF : 81.1/65

- sign -1275.214+/-658.867 χ^2/NDF : 38.5/32

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

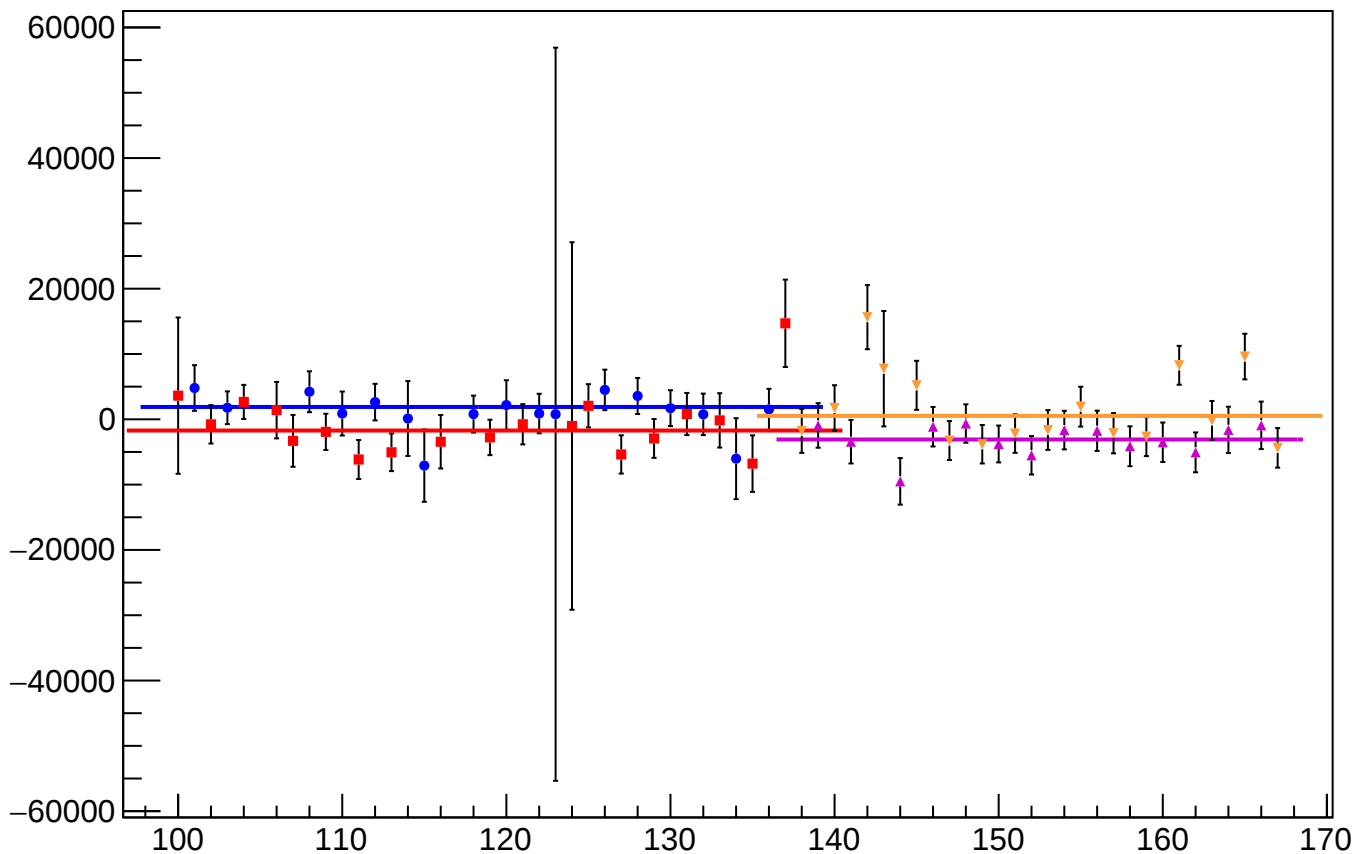
Left In: 2604.140+/-0.560 χ^2 /NDF:56983.6/13

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

All: 2723.114+/-0.324 χ^2 /NDF: 2090984.7/65

- sign 2738.162+/-0.466 χ^2 /NDF: 1254209.3/32

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

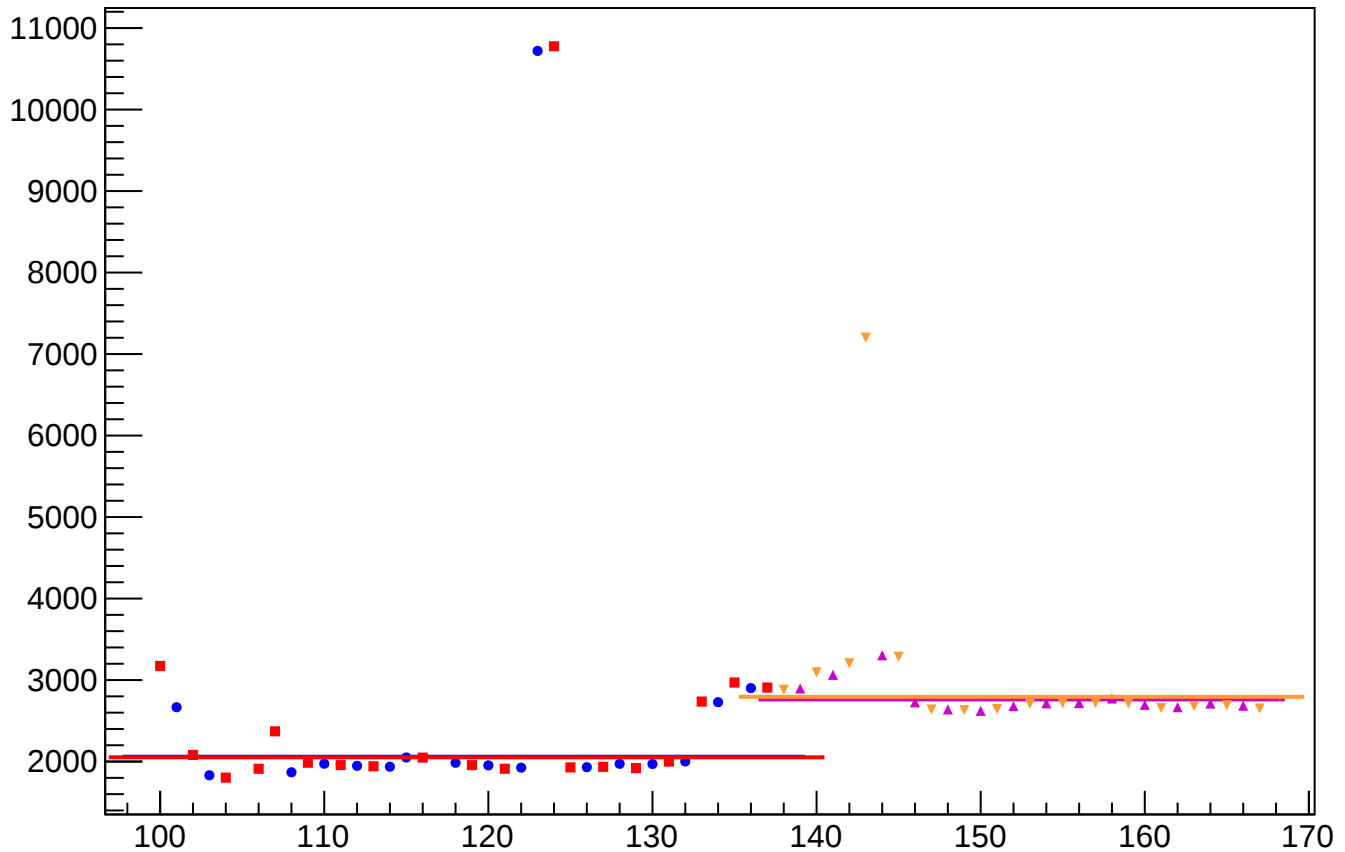
Left In: -3090.599 $\pm$ 839.294 χ^2 /NDF:7.0/13

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

All: -579.256 $\pm$ 407.264 χ^2 /NDF: 91.0/65

- sign -2363.504 $\pm$ 575.294 χ^2 /NDF: 27.4/32

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

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

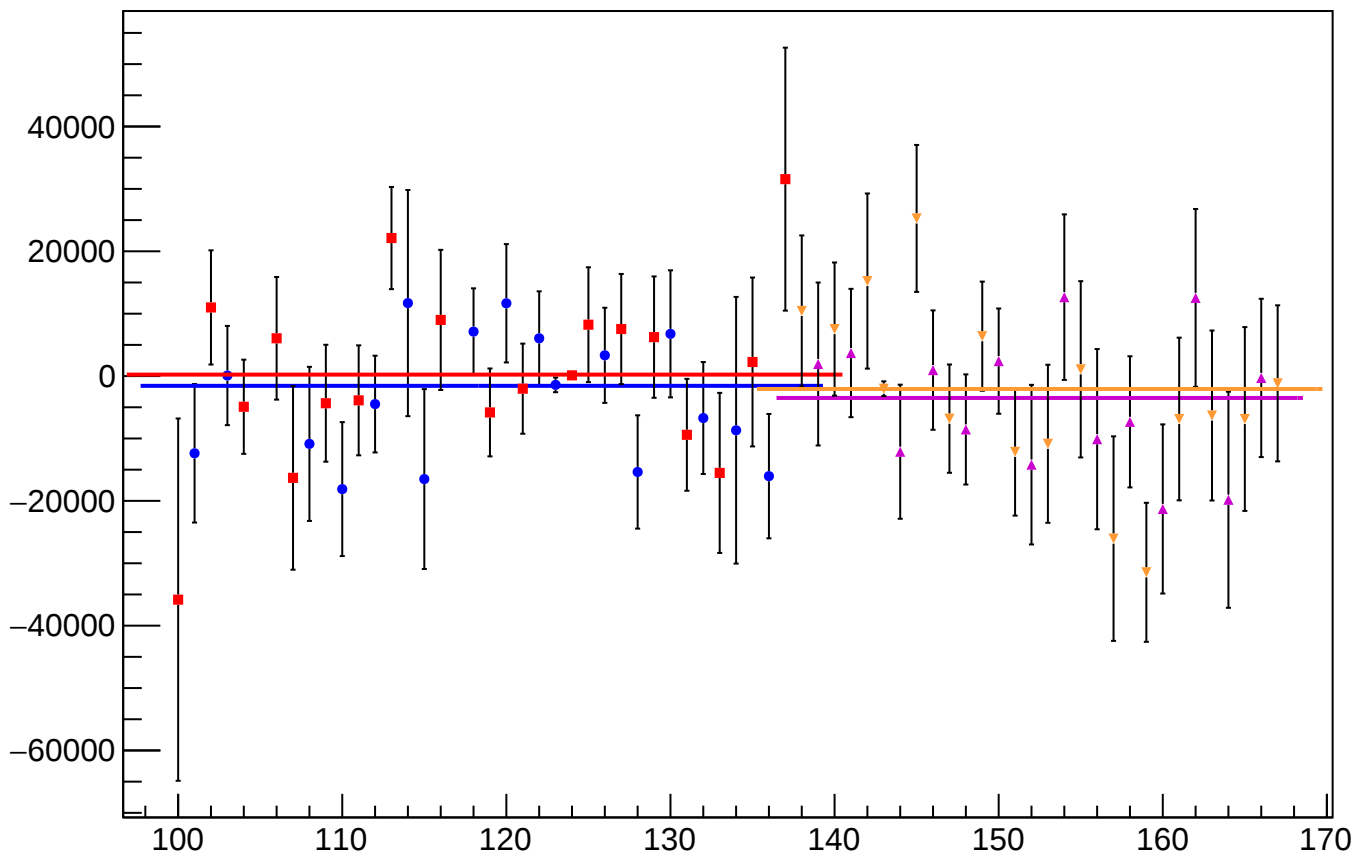
Right Out: 2052.260+/-0.559 χ^2 /NDF: 443321.6/18

All: 2404.410+/-0.288 χ^2 /NDF: 3016815.8/65

- sign 2385.817+/-0.407 χ^2 /NDF: 1283016.4/32

Left In: 2762.199+/-0.593 χ^2 /NDF: 81027.0/13

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

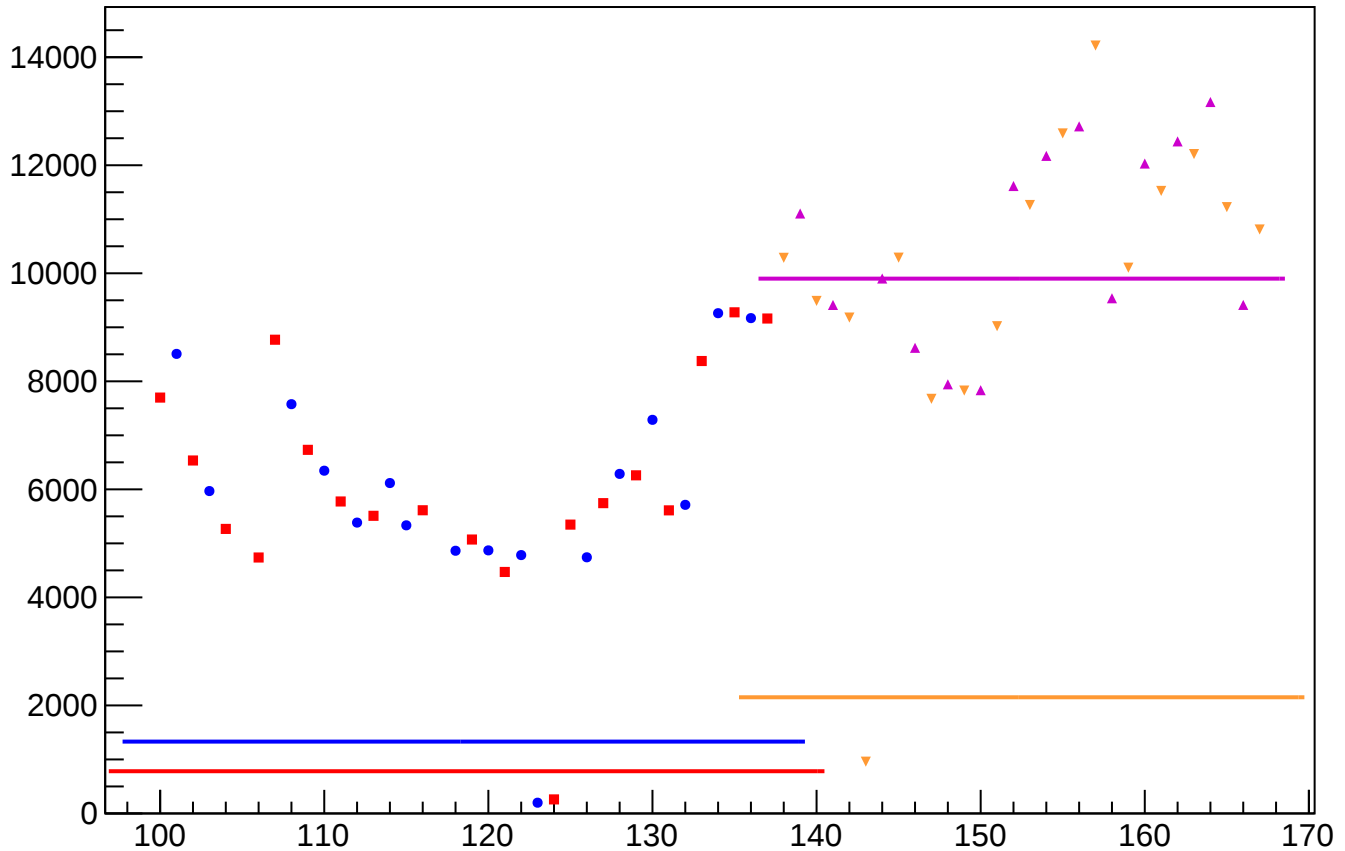
Left In: -3503.590 $\pm$ 3052.332 χ^2 /NDF:8.8/13

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

All: -767.828 $\pm$ 506.307 χ^2 /NDF: 71.6/65

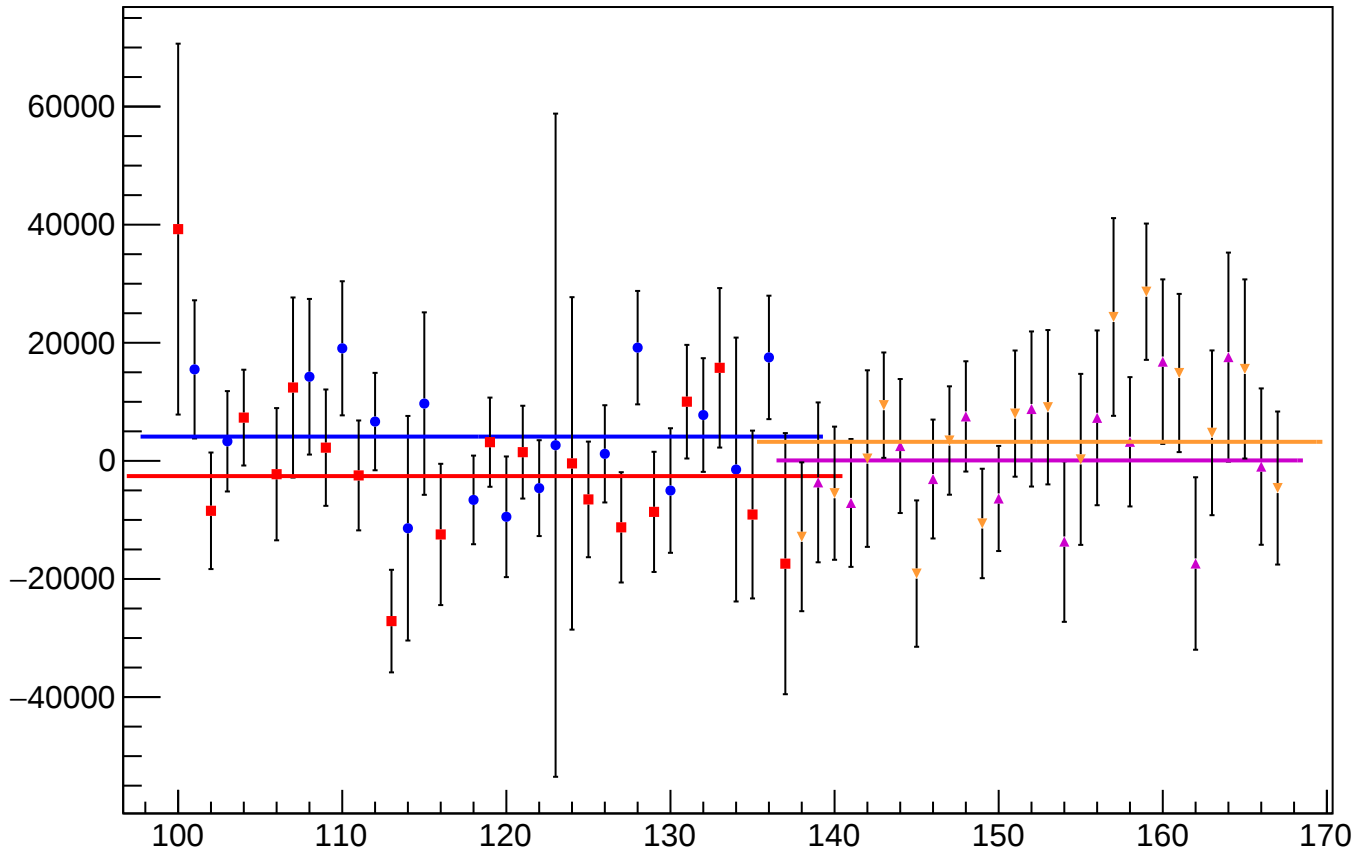
- sign 51.781 $\pm$ 677.811 χ^2 /NDF: 31.0/32

asym_atl2_correction_rms vs Slug



Right In: 1330.250+/-0.745	χ^2/NDF : 10046828.9/16	+ sign 1722.365+/-0.538	χ^2/NDF : 26594265.6/32
Left Out: 2150.714+/-0.779	χ^2/NDF : 15968185.5/15	All: 1448.492+/-0.358	χ^2/NDF : 56104337.6/6
Right Out: 781.848+/-0.492	χ^2/NDF : 11439893.7/18	- sign 1231.526+/-0.479	χ^2/NDF : 29046471.7/32
Left In: 9900.876+/-2.158	χ^2/NDF : 635802.9/13		

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

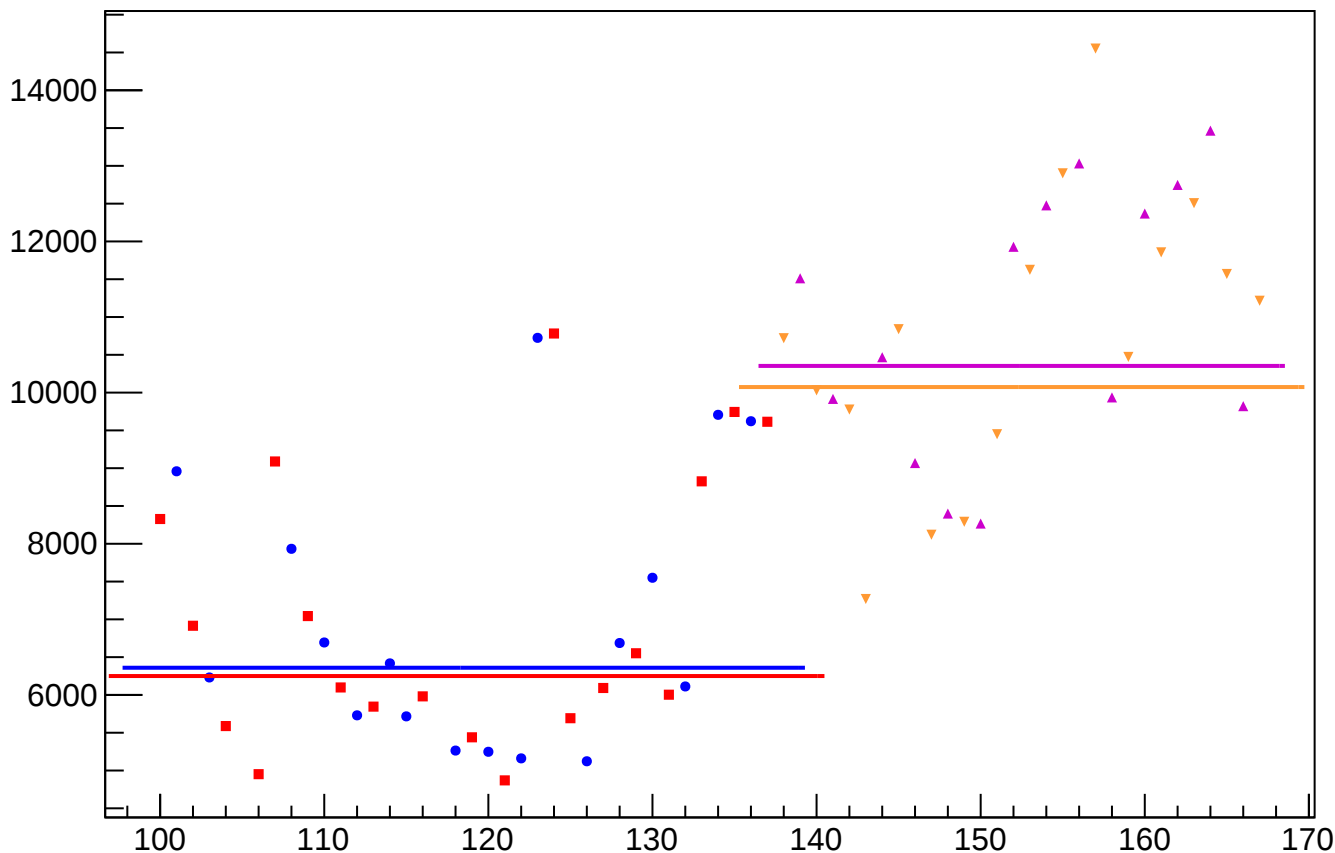
Left In: 75.925+/-3185.154 χ^2/NDF : 7.5/13

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

All: 1062.569+/-1363.820 χ^2/NDF : 63.0/65

- sign -1606.272+/-1927.164 χ^2/NDF : 27.8/32

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

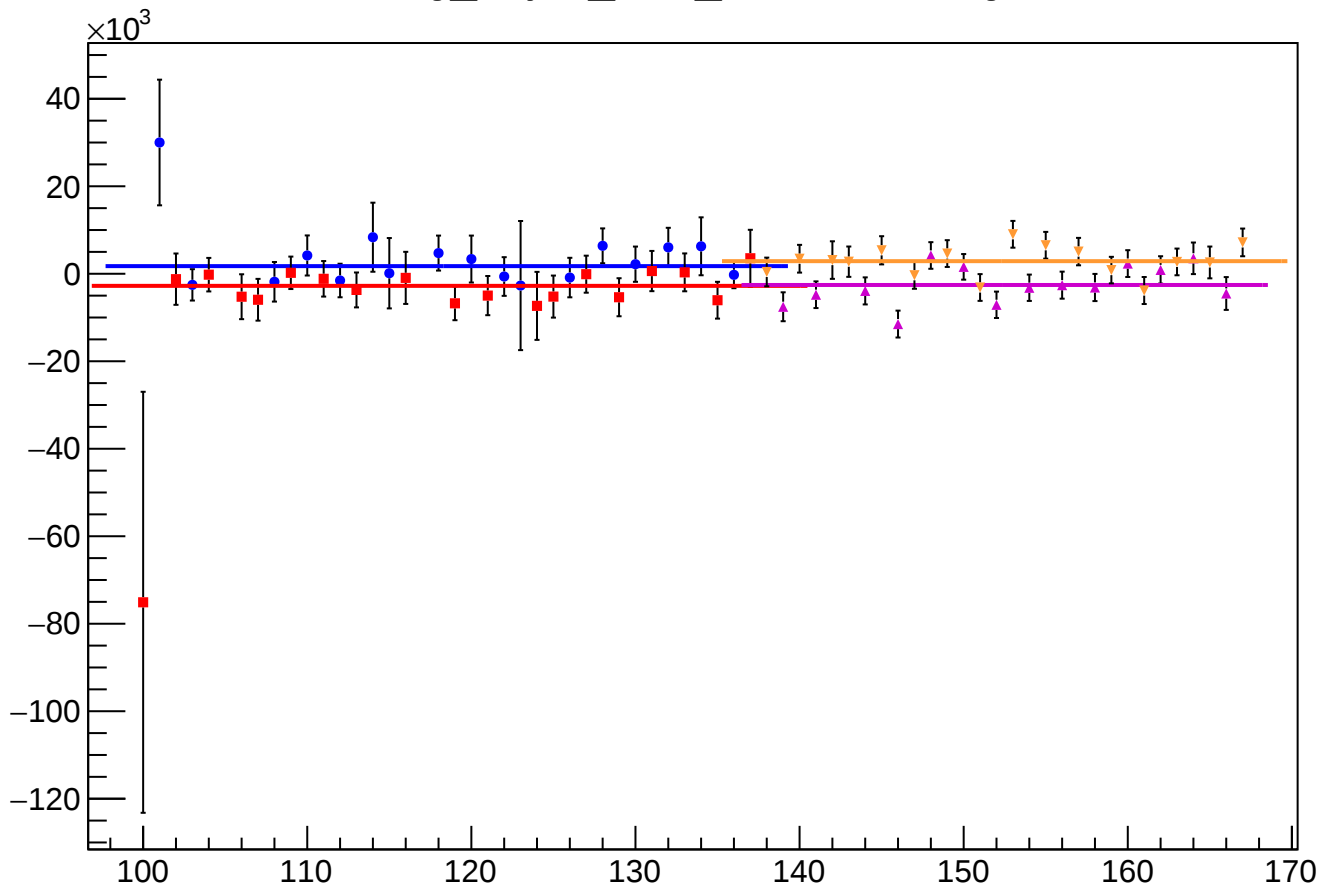
Left In: 10353.115 ± 2.252 χ^2/NDF : 554882.5/13

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

All: 7835.518 ± 0.964 χ^2/NDF : 6346725.9/65

- sign 7752.013 ± 1.363 χ^2/NDF : 3191797.1/32

reg_asym_atr1_mean vs Slug



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

Left Out: 2881.712 ± 801.547 χ^2/NDF : 19.4/15

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

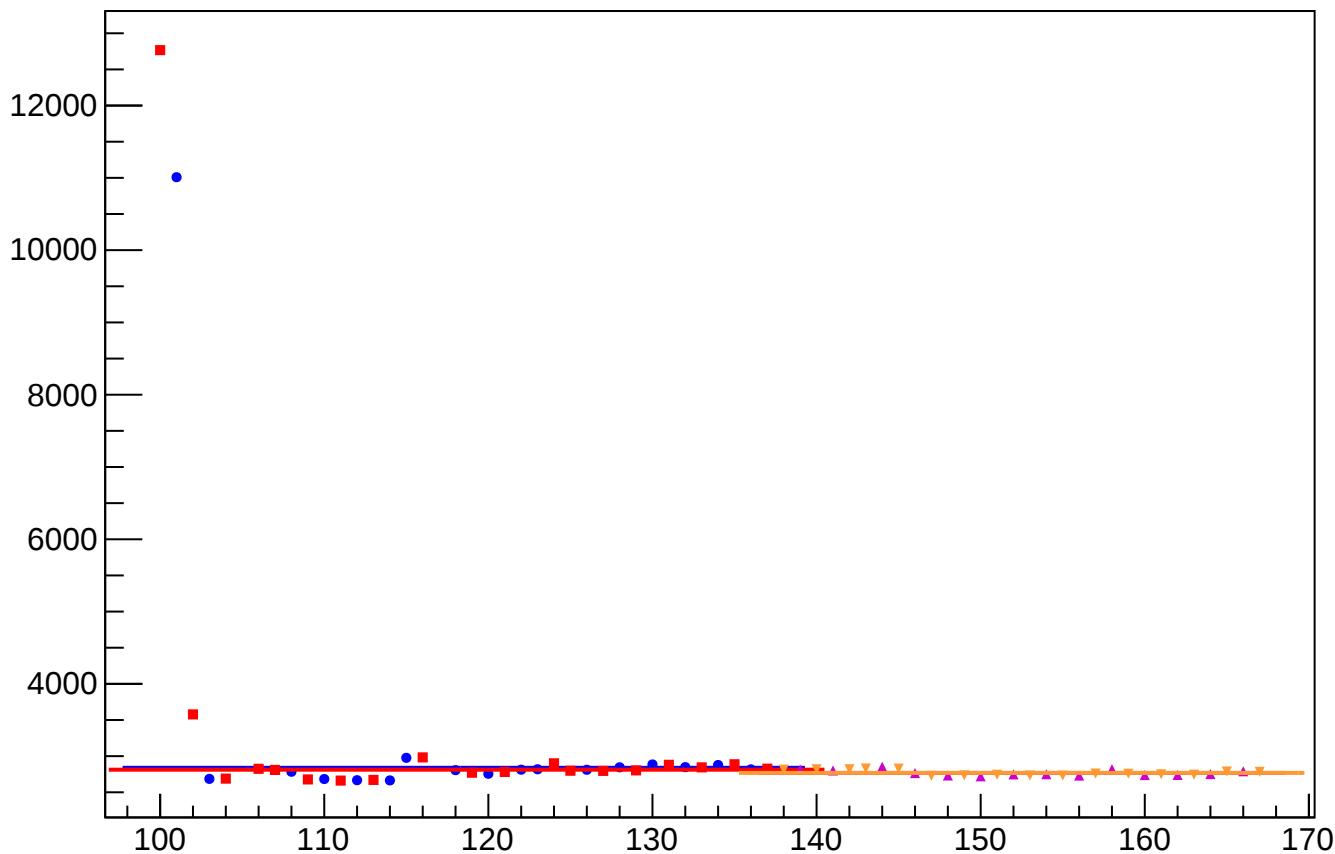
Left In: -2563.813 ± 839.225 χ^2/NDF : 27.6/13

+ sign 2500.891 ± 653.487 χ^2/NDF : 32.3/32

All: -40.862 ± 464.649 χ^2/NDF : 100.2/65

- sign -2639.834 ± 660.801 χ^2/NDF : 37.3/32

reg_asym_atr1_rms vs Slug



Right In: 2838.737+/-0.798 χ^2/NDF : 660209.3/16

Left Out: 2768.341+/-0.567 χ^2/NDF : 4096.3/15

Right Out: 2812.627+/-0.758 χ^2/NDF : 133064.0/18

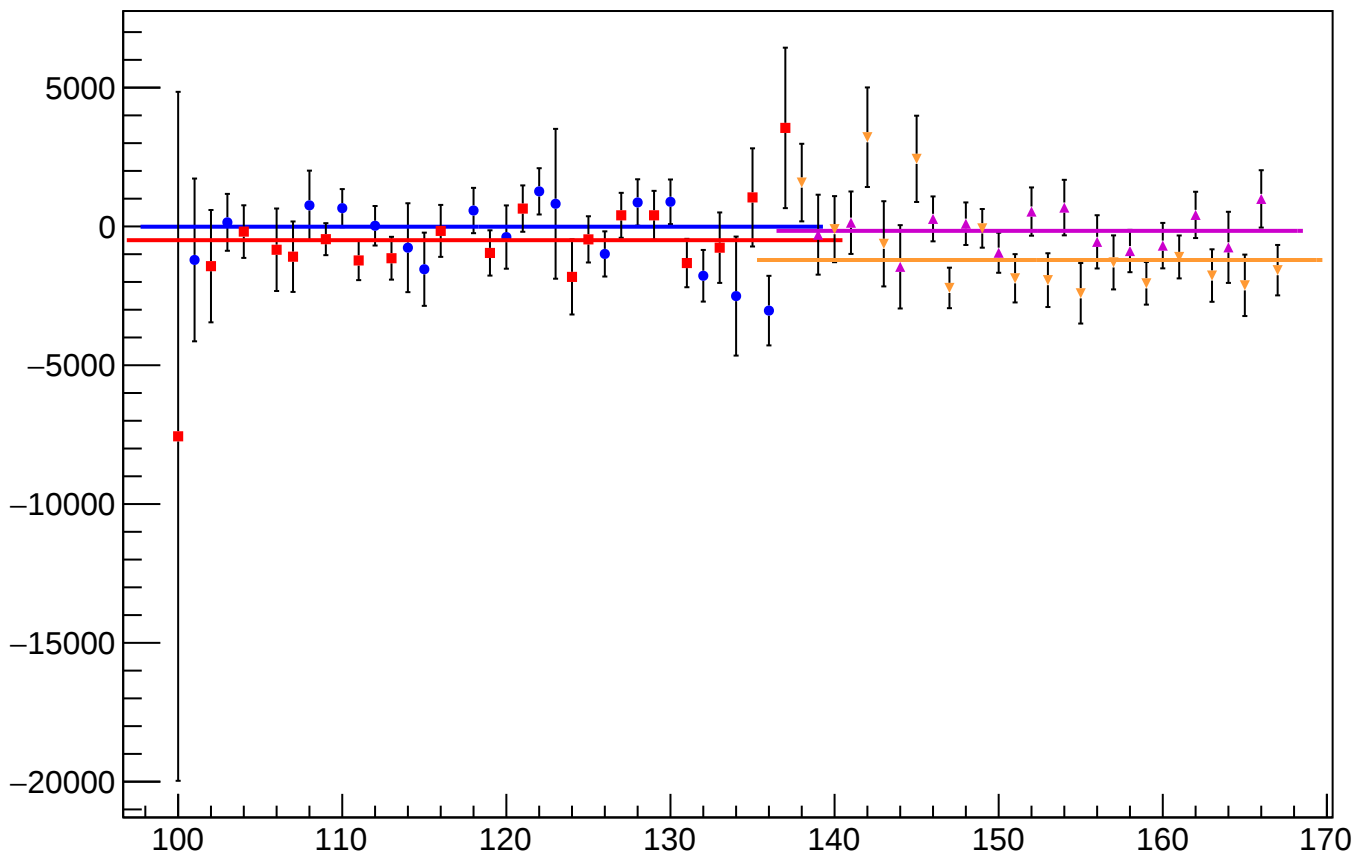
Left In: 2767.500+/-0.593 χ^2/NDF : 4469.9/13

+ sign 2791.946+/-0.462 χ^2/NDF : 669478.5/32

All: 2788.338+/-0.329 χ^2/NDF : 809333.4/65

- sign 2784.649+/-0.467 χ^2/NDF : 139731.6/32

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

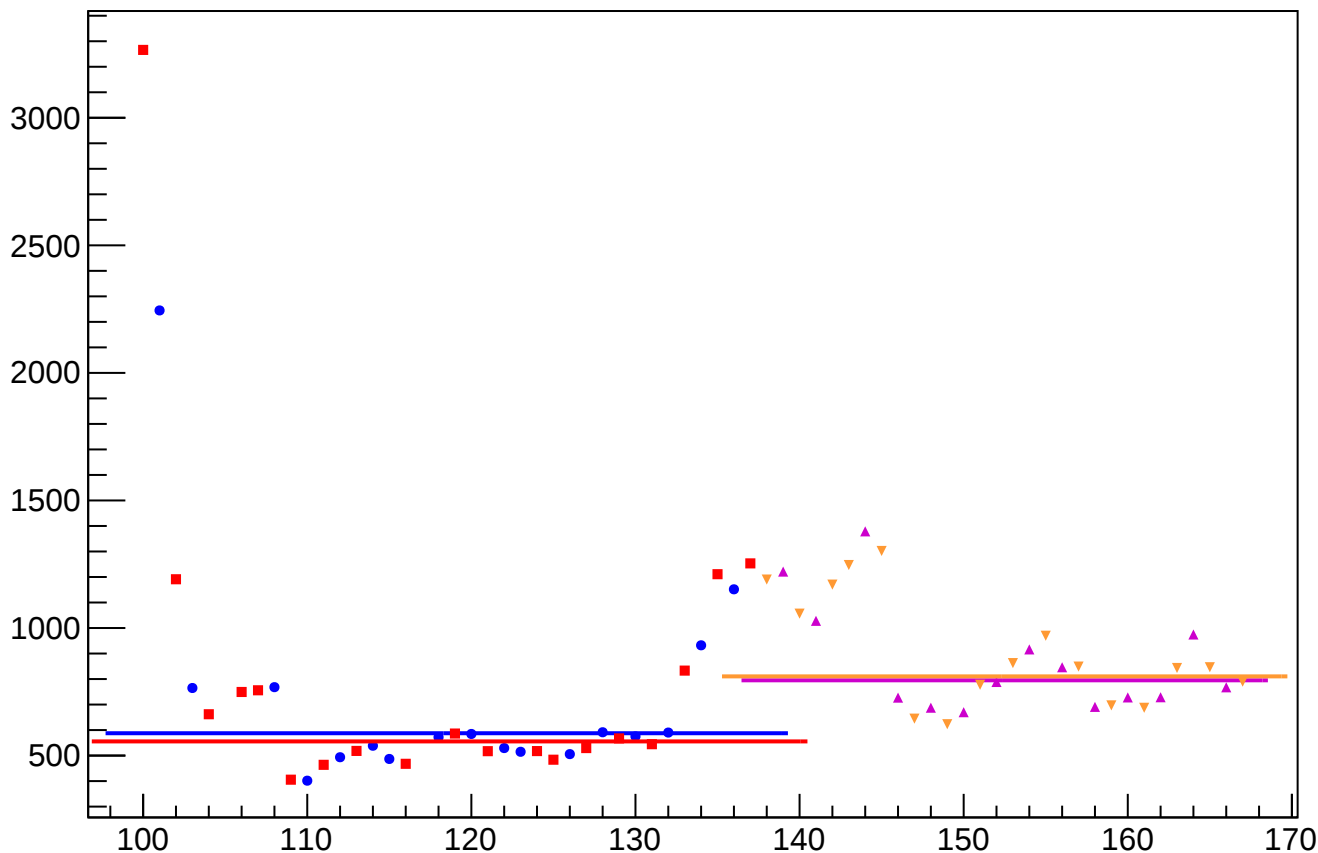
Left In: -159.185 ± 246.378 χ^2/NDF : 7.2/13

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

All: -472.300 ± 118.602 χ^2/NDF : 80.3/65

- sign -345.046 ± 164.714 χ^2/NDF : 20.1/32

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

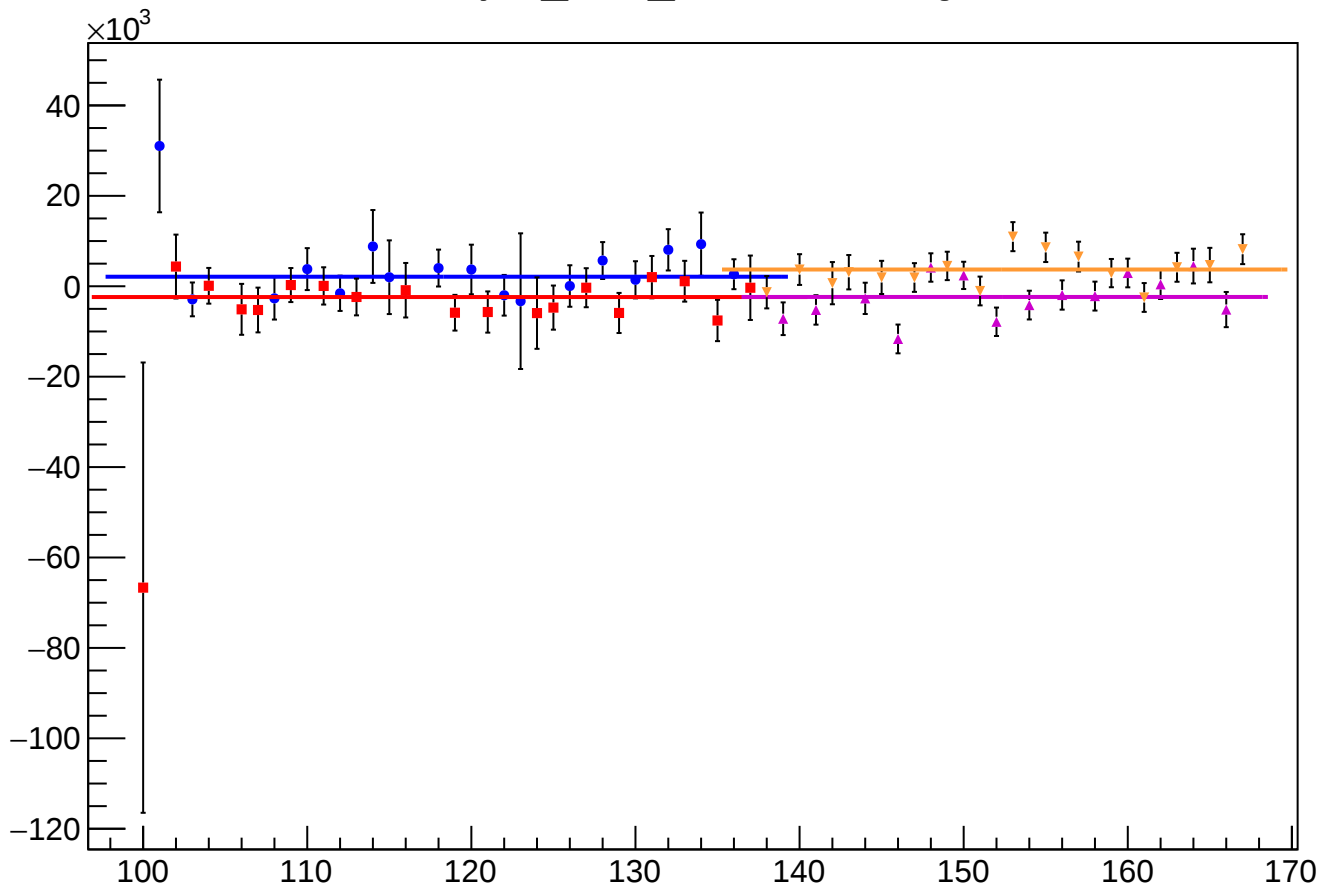
Left In: 795.045 ± 0.174 χ^2/NDF : 816248.9/13

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

All: 680.114 ± 0.084 χ^2/NDF : 6369110.2/65

- sign 662.583 ± 0.116 χ^2/NDF : 2968312.1/32

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

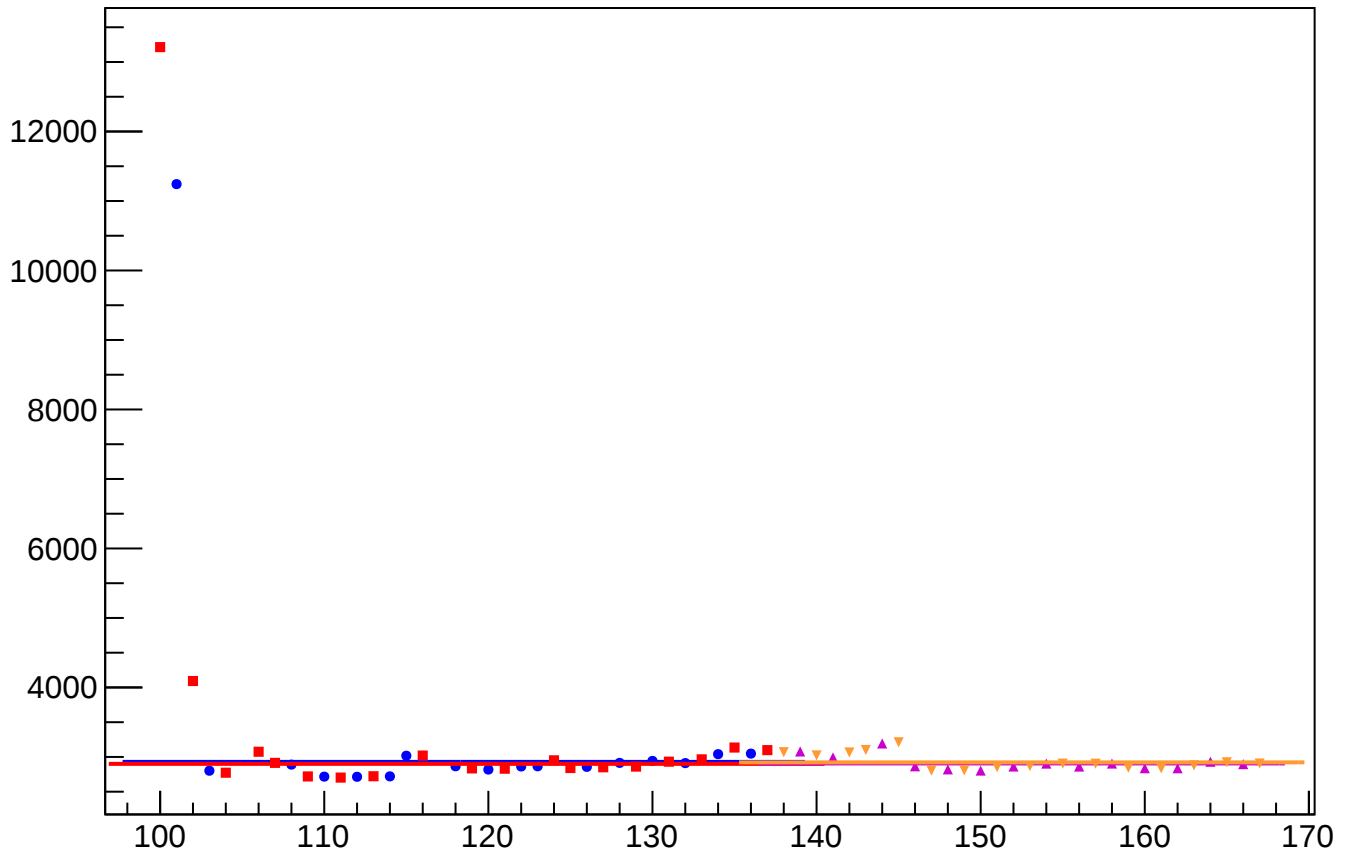
Left In: -2366.792 $\pm$ 881.817 χ^2 /NDF:28.5/13

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

All: 412.420 $\pm$ 486.215 χ^2 /NDF: 104.6/65

- sign -2374.164 $\pm$ 690.515 χ^2 /NDF: 38.4/32

asym_atr1_rms vs Slug



Right In: 2928.700 $\pm$ 0.823 χ^2 /NDF: 662362.9/16

Left Out: 2921.766 $\pm$ 0.599 χ^2 /NDF: 33942.6/15

Right Out: 2900.472 $\pm$ 0.785 χ^2 /NDF: 169720.6/18

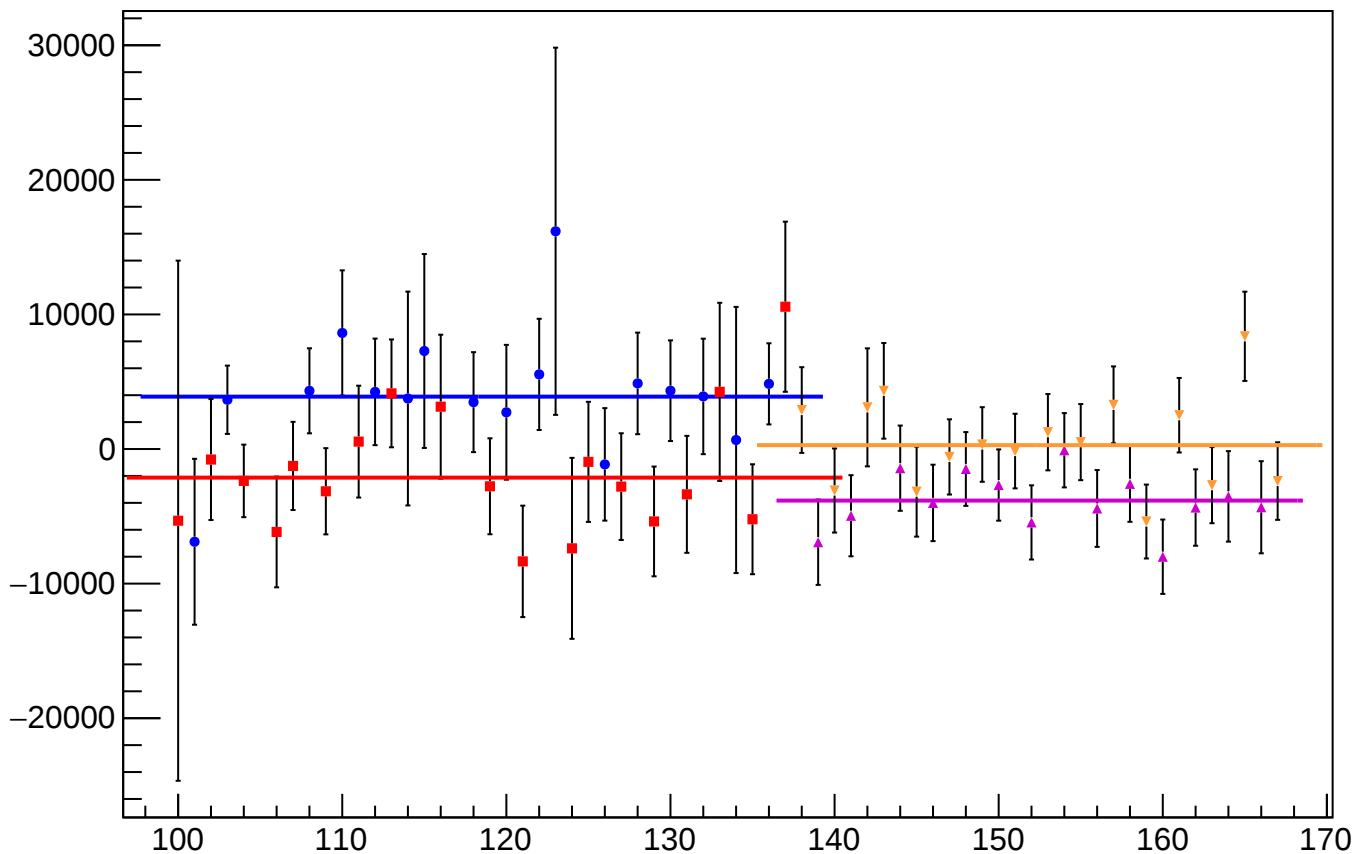
Left In: 2906.475 $\pm$ 0.624 χ^2 /NDF: 26583.4/13

+ sign 2924.164 $\pm$ 0.484 χ^2 /NDF: 696351.9/32

All: 2914.243 $\pm$ 0.344 χ^2 /NDF: 893538.6/65

- sign 2904.153 $\pm$ 0.488 χ^2 /NDF: 196339.9/32

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

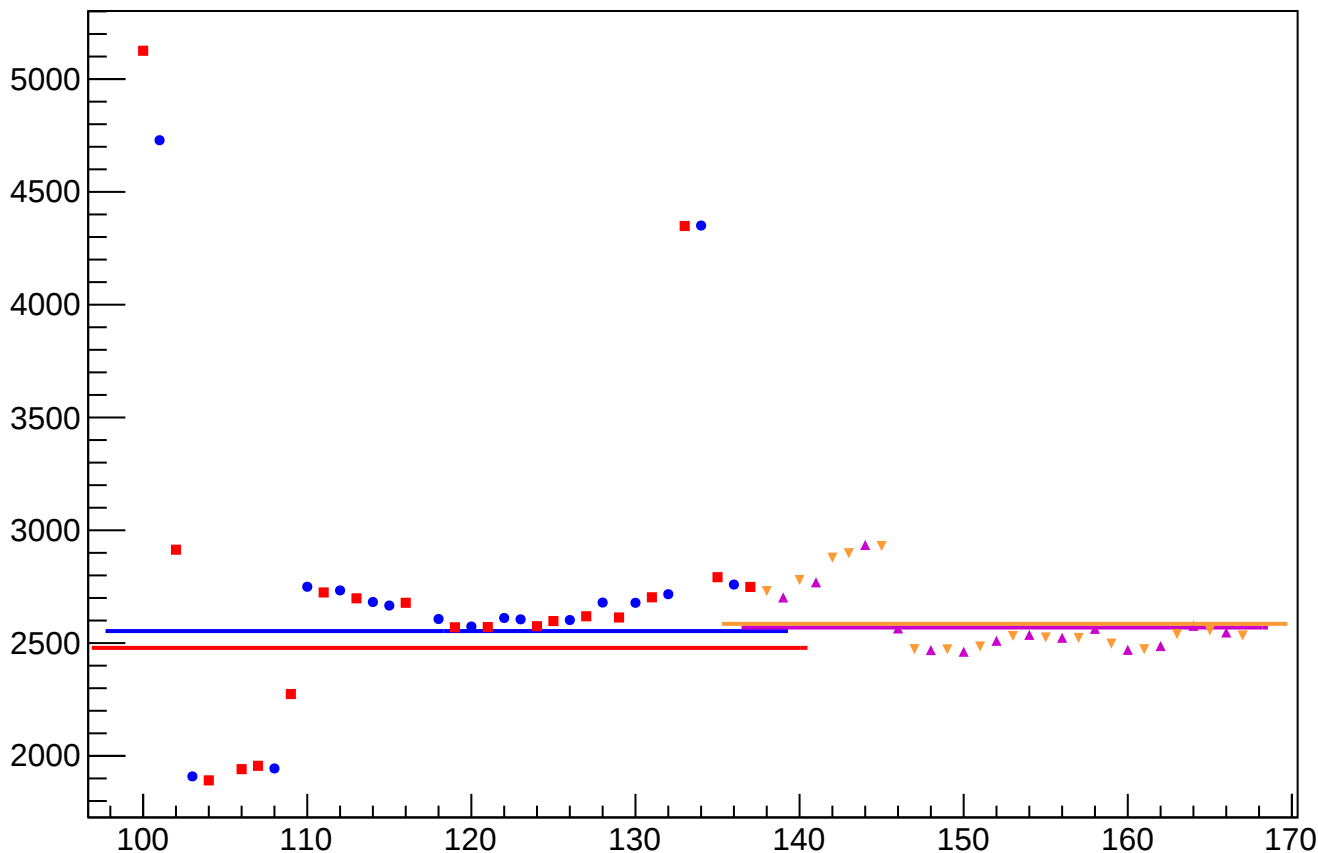
Left In: -3829.791+/-778.693 χ^2/NDF : 7.4/13

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

All: -784.598+/-426.526 χ^2/NDF : 88.3/65

- sign -3151.790+/-604.361 χ^2/NDF : 23.6/32

reg_asym_atr2_rms vs Slug



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

Left Out: 2585.356+/-0.530 χ^2/NDF : 76052.6/15

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

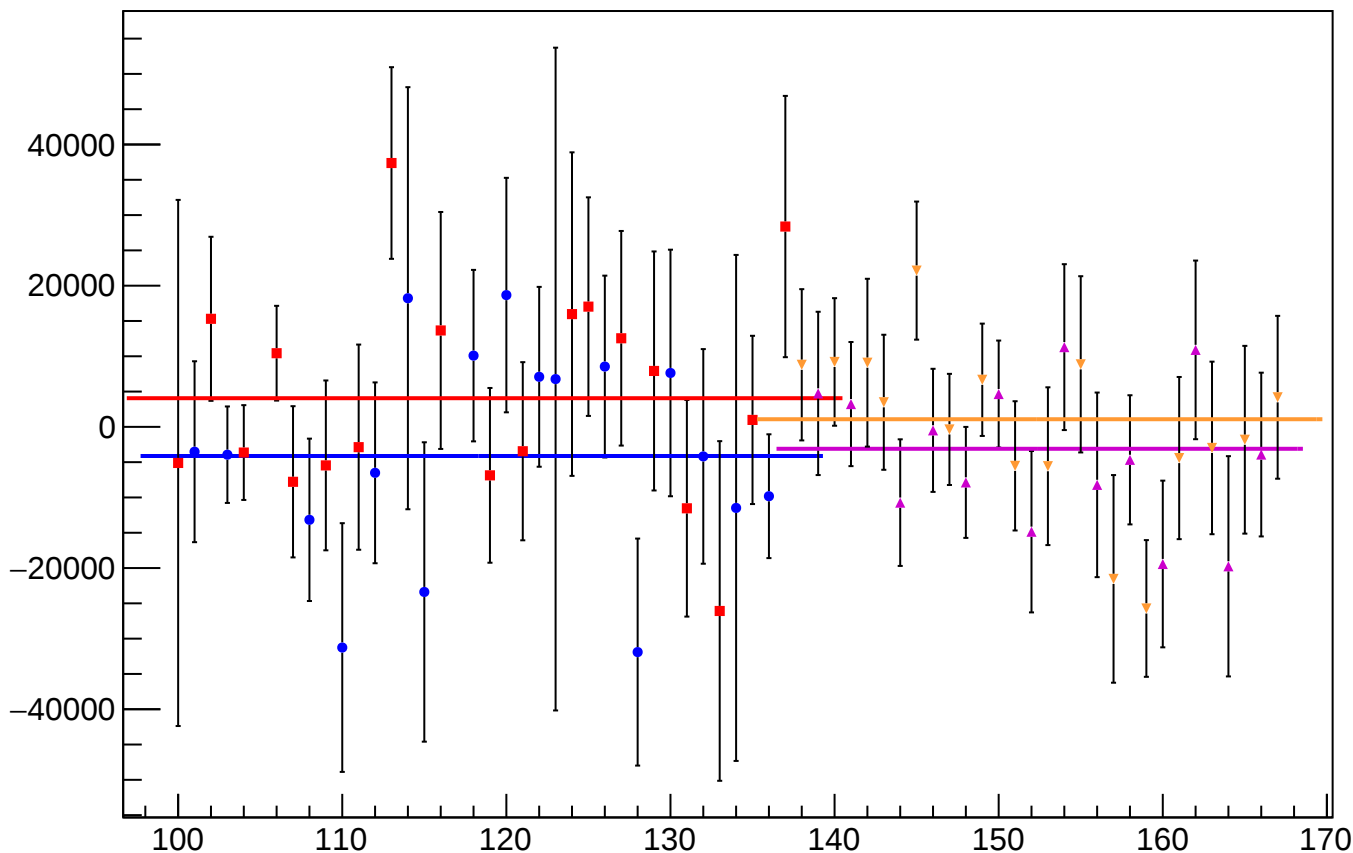
Left In: 2569.013+/-0.551 χ^2/NDF : 51051.2/13

+ sign 2573.998+/-0.426 χ^2/NDF : 622577.9/32

All: 2553.660+/-0.302 χ^2/NDF : 1138373.7/65

- sign 2533.165+/-0.427 χ^2/NDF : 511213.5/32

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 $\chi^2/\text{NDF}: 18.5/18$

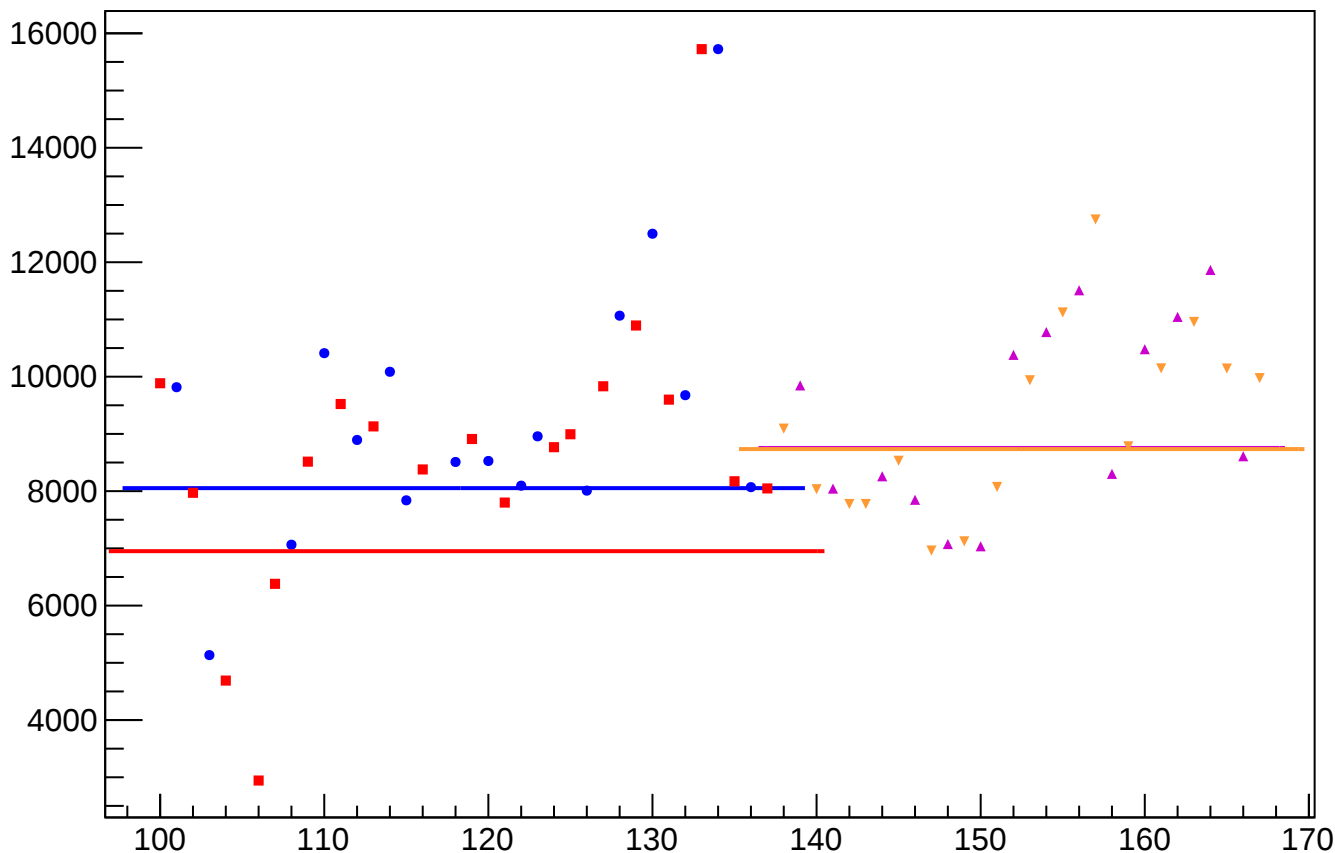
Left In: -3104.604 ± 2699.082 $\chi^2/\text{NDF}: 10.2/13$

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

All: -303.361 ± 1402.736 $\chi^2/\text{NDF}: 66.0/65$

- sign 302.846 ± 1954.603 $\chi^2/\text{NDF}: 32.1/32$

asym_atr2_correction_rms vs Slug



Right In: 8052.552 $\pm$ 2.282 χ^2 /NDF: 790724.2/16

Left Out: 8734.912 $\pm$ 1.823 χ^2 /NDF: 629274.3/15

Right Out: 6950.943 $\pm$ 2.004 χ^2 /NDF: 1776578.9/18

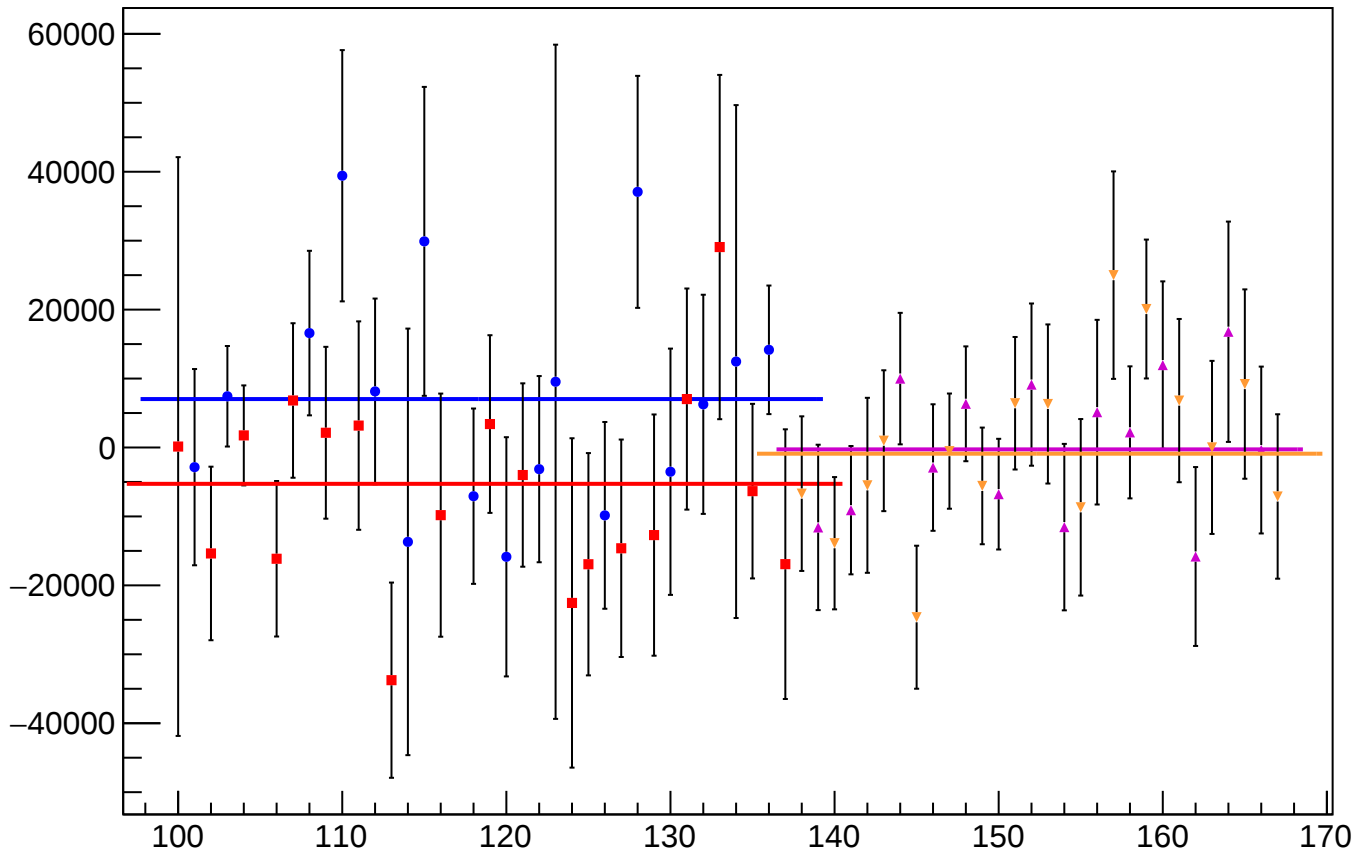
Left In: 8754.569 $\pm$ 1.909 χ^2 /NDF: 634407.8/13

+ sign 8469.058 $\pm$ 1.424 χ^2 /NDF: 1474581.3/32

All: 8174.333 $\pm$ 0.992 χ^2 /NDF: 4393429.2/65

- sign 7896.813 $\pm$ 1.382 χ^2 /NDF: 2835712.0/32

asym_atr2_mean vs Slug



Right In: 7025.400 $\pm$ 3409.490 χ^2/NDF : 15.0/16

Left Out: -901.627 $\pm$ 2704.748 χ^2/NDF : 17.7/15

Right Out: -5271.793 $\pm$ 3168.195 χ^2/NDF : 13.4/18

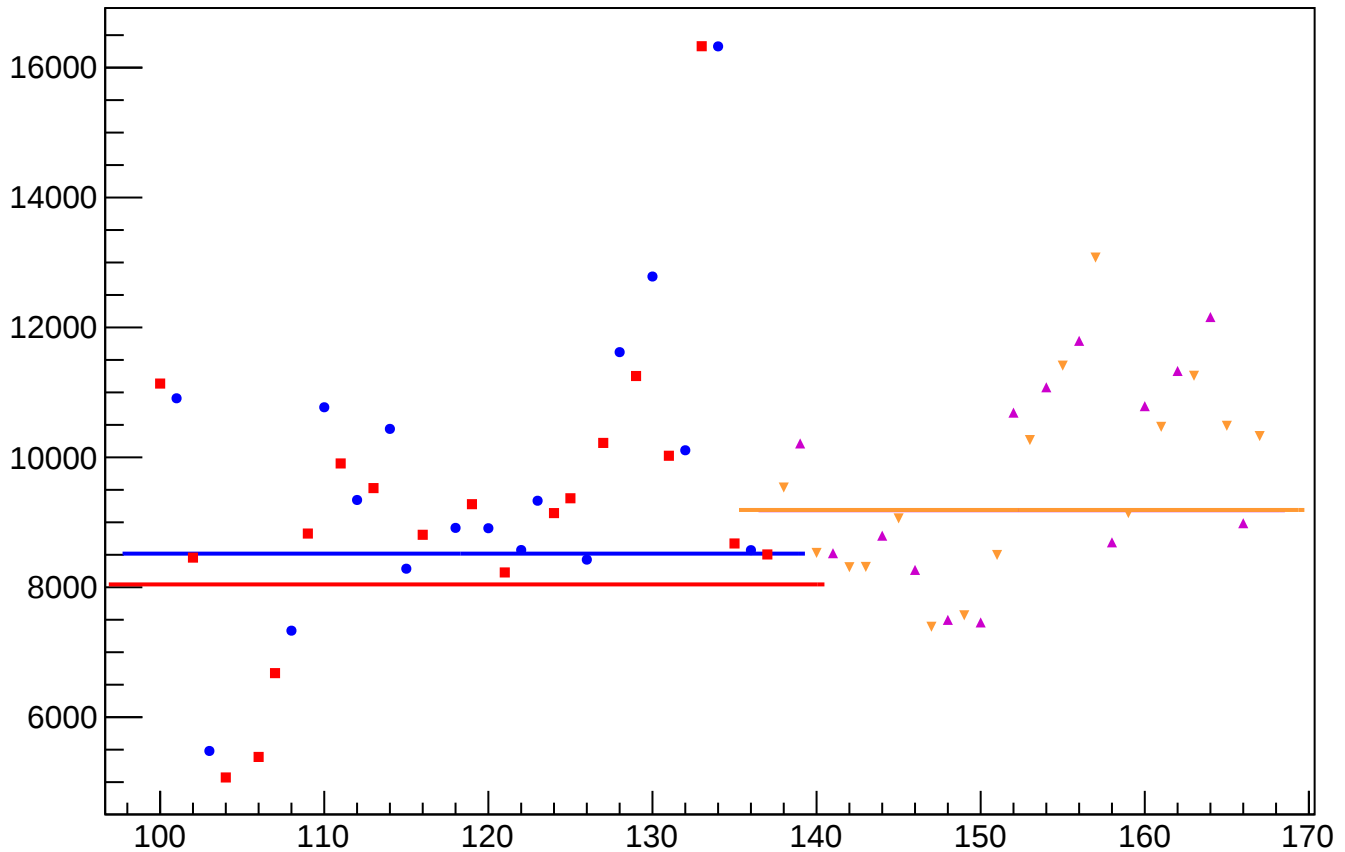
Left In: -273.866 $\pm$ 2824.886 χ^2/NDF : 9.6/13

+ sign 2160.178 $\pm$ 2118.961 χ^2/NDF : 36.0/32

All: -175.182 $\pm$ 1494.607 χ^2/NDF : 62.8/65

- sign -2487.463 $\pm$ 2108.464 χ^2/NDF : 24.4/32

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

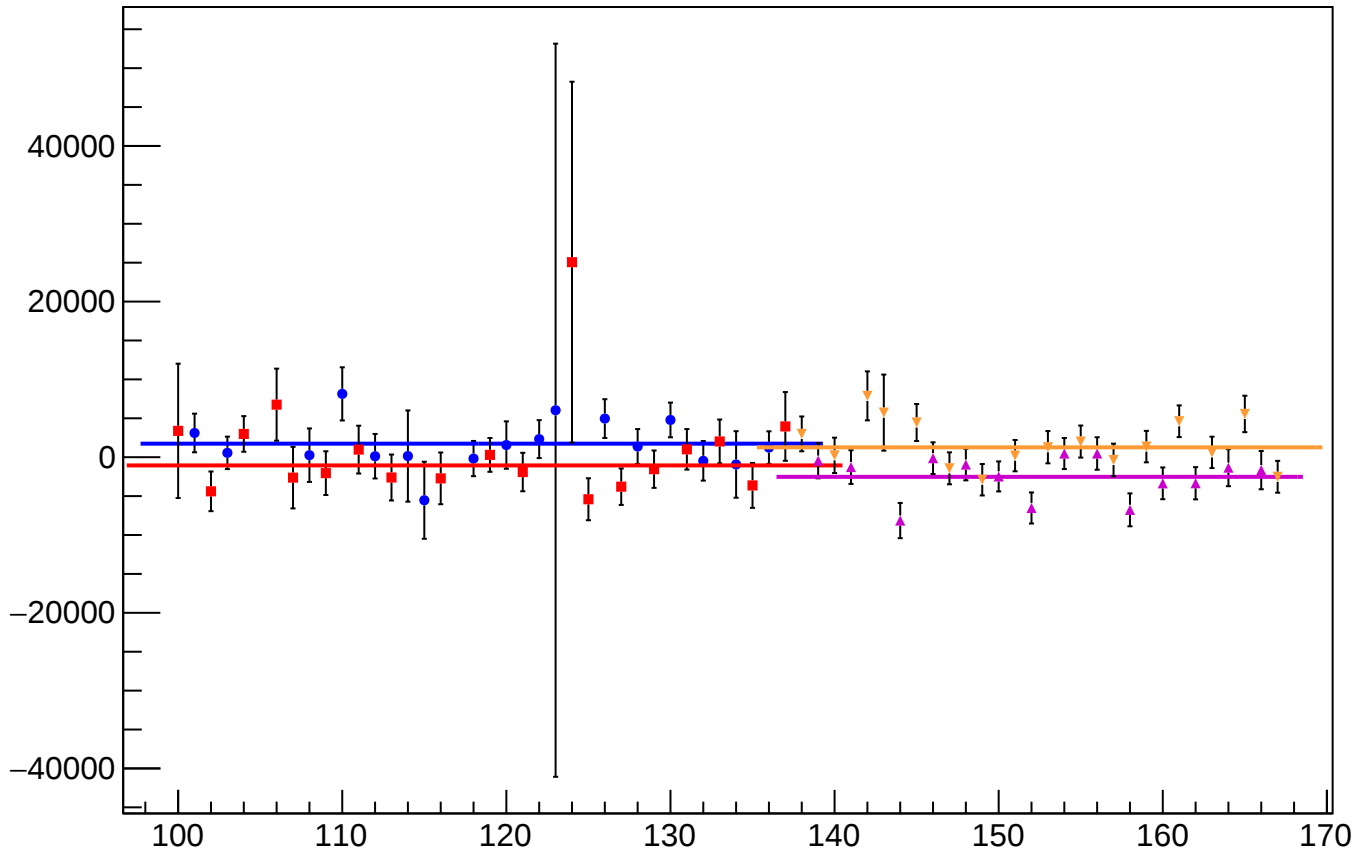
Left In: 9186.466+/-1.997 χ^2/NDF : 545079.6/13

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

All: 8804.835+/-1.057 χ^2/NDF : 3004141.4/65

- sign 8680.443+/-1.491 χ^2/NDF : 1642096.7/32

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

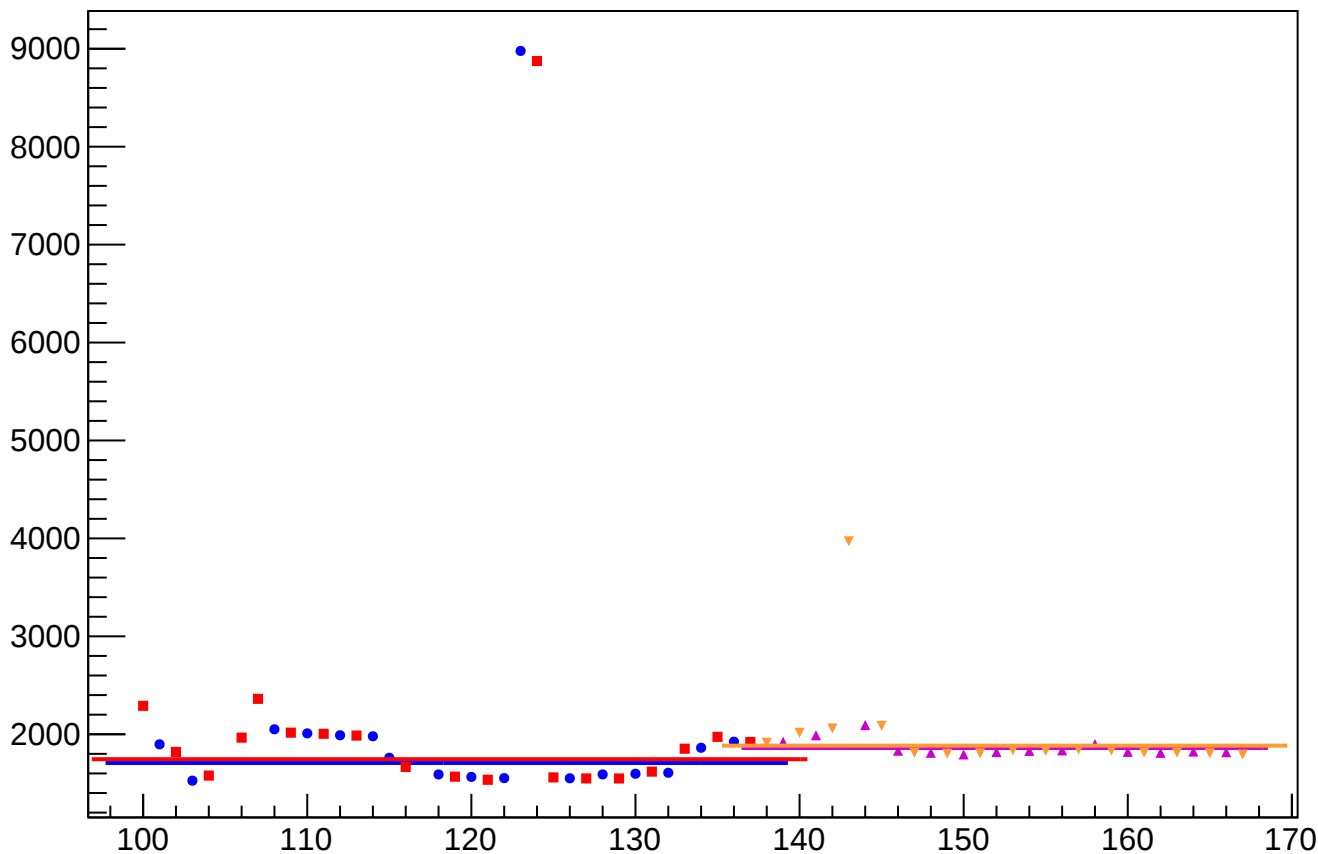
Left In: -2524.148 $\pm$ 565.766 χ^2 /NDF: 22.4/13

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

All: -201.409 $\pm$ 303.440 χ^2 /NDF: 112.0/65

- sign -1913.908 $\pm$ 432.530 χ^2 /NDF: 44.0/32

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

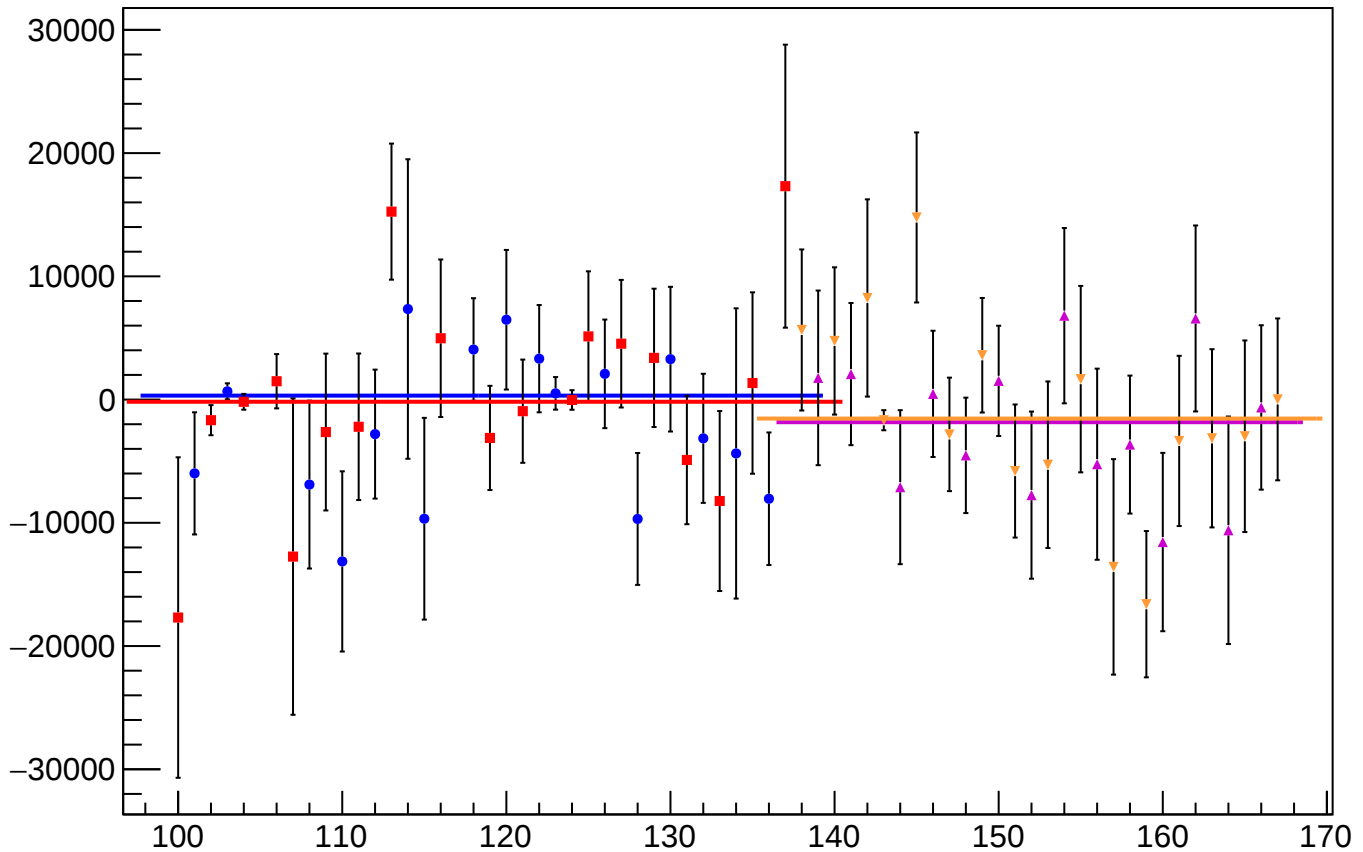
Left In: 1860.129+/-0.400 χ^2/NDF : 39261.7/13

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

All: 1812.279+/-0.214 χ^2/NDF : 1170405.5/65

- sign 1812.220+/-0.305 χ^2/NDF : 473407.1/32

asym_atl_avg_correction_mean vs Slug



Right In: 320.899 ± 540.384 $\chi^2/\text{NDF}: 18.0/16$

Left Out: -1539.850 ± 728.733 $\chi^2/\text{NDF}: 20.4/15$

Right Out: -176.640 ± 433.552 $\chi^2/\text{NDF}: 20.8/18$

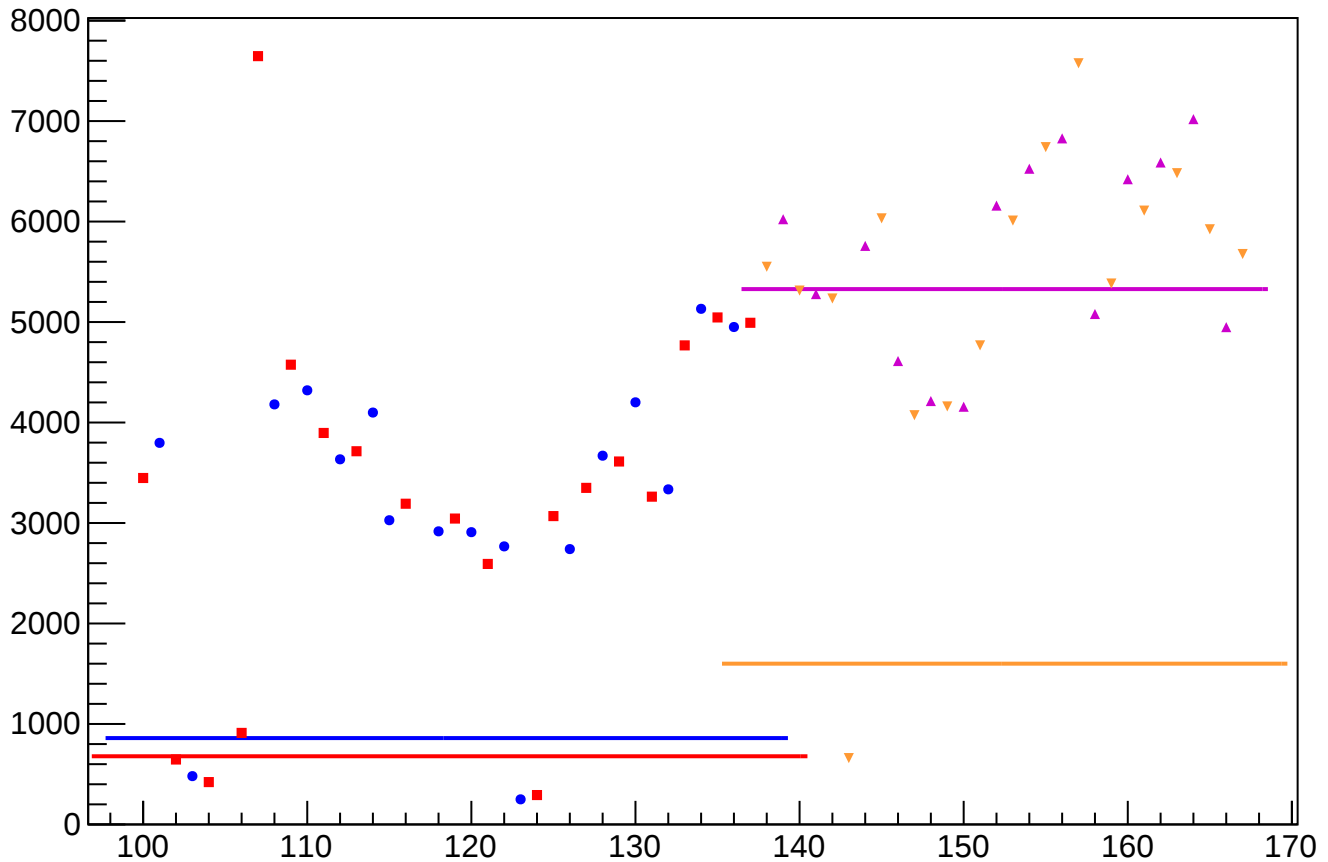
Left In: -1836.393 ± 1643.731 $\chi^2/\text{NDF}: 9.0/13$

+ sign -339.274 ± 434.063 $\chi^2/\text{NDF}: 42.6/32$

All: -310.985 ± 301.542 $\chi^2/\text{NDF}: 73.4/65$

- sign -284.598 ± 419.214 $\chi^2/\text{NDF}: 30.8/32$

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

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

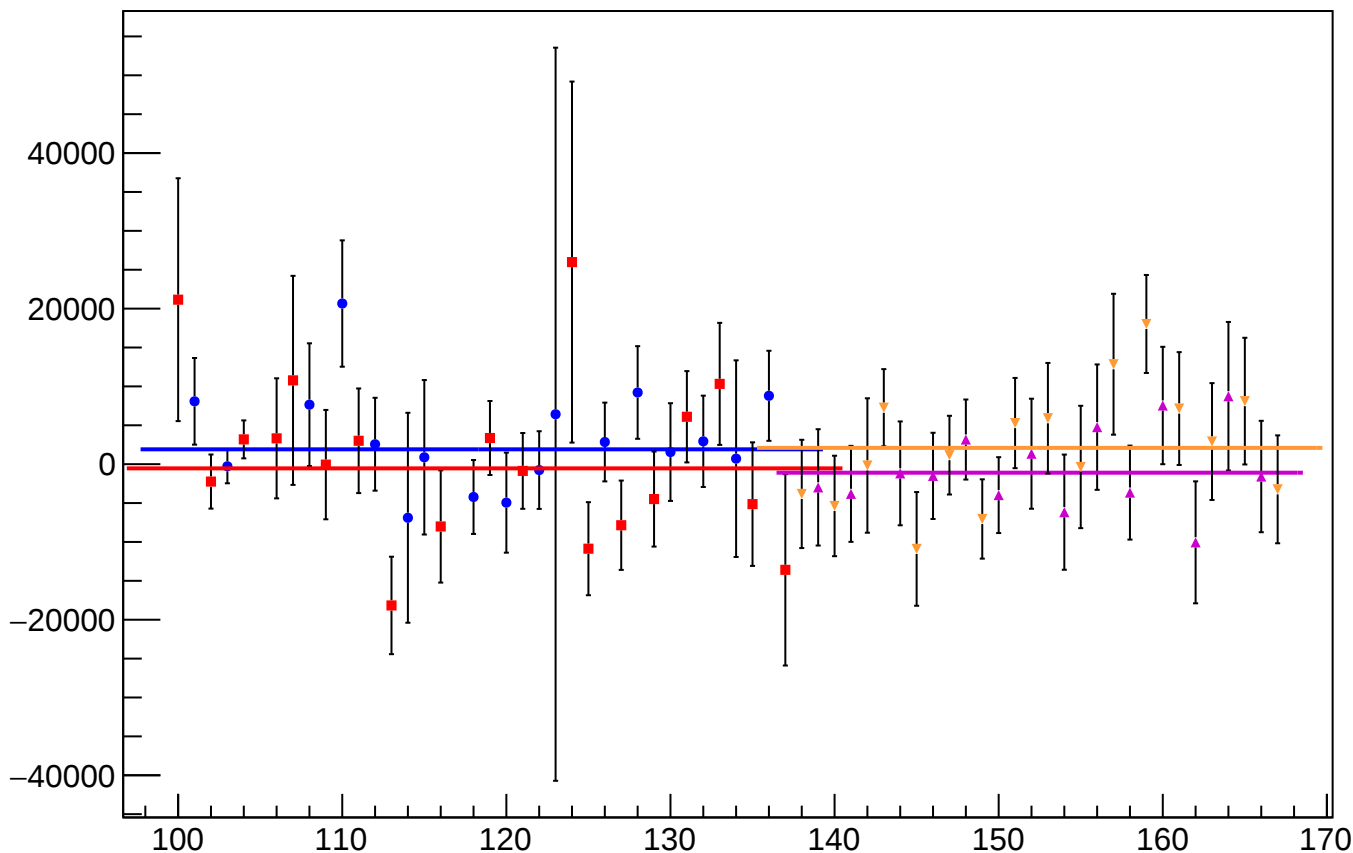
Right Out: 678.603+/-0.307 χ^2/NDF : 8384814.2/18

All: 1049.199+/-0.213 χ^2/NDF : 47535817.9/6

- sign 981.011+/-0.296 χ^2/NDF : 24002998.0/32

Left In: 5327.844+/-1.162 χ^2/NDF : 658456.0/13

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

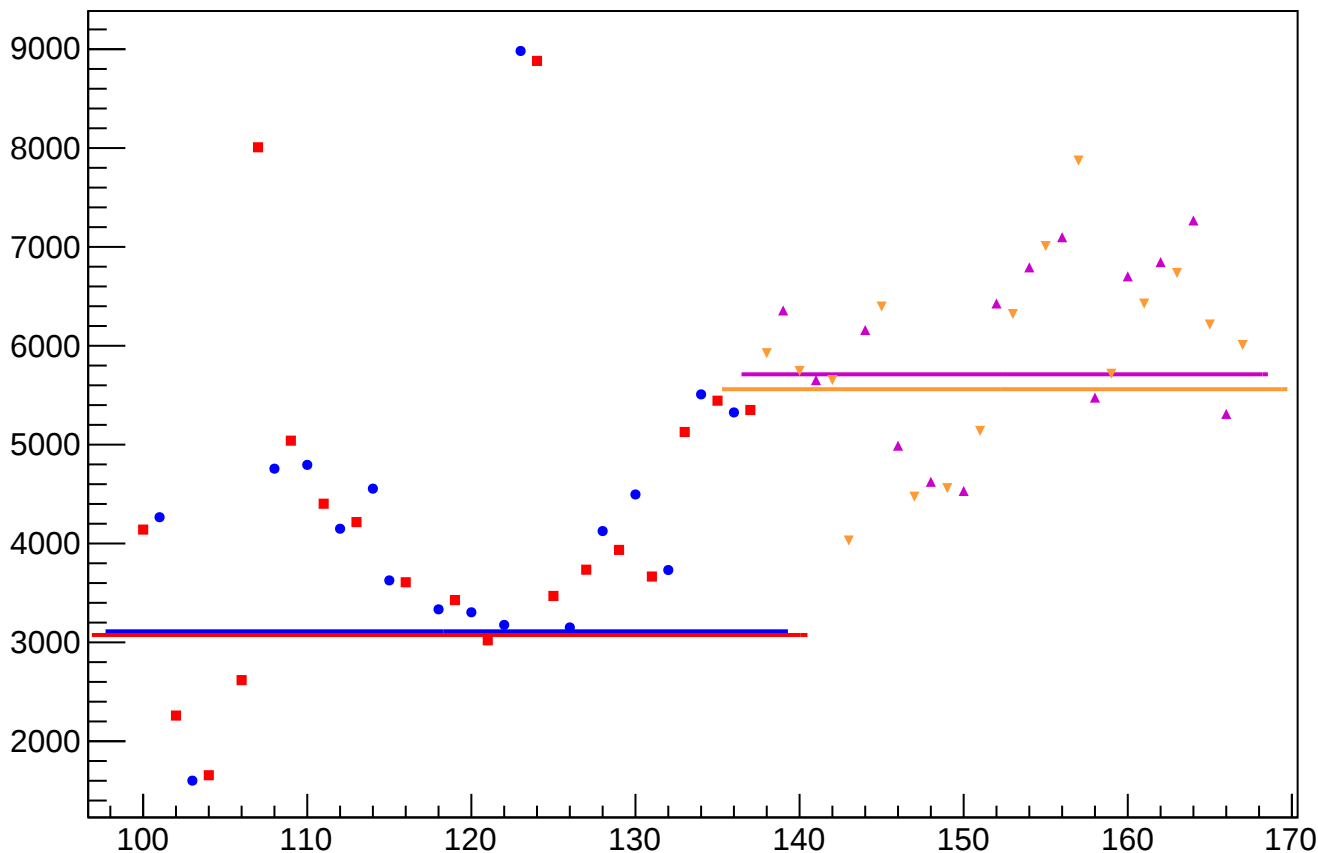
Left In: -1096.429+/-1756.398 χ^2/NDF : 6.3/13

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

All: 641.533+/-728.937 χ^2/NDF : 70.6/65

- sign -733.861+/-1037.511 χ^2/NDF : 32.7/32

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

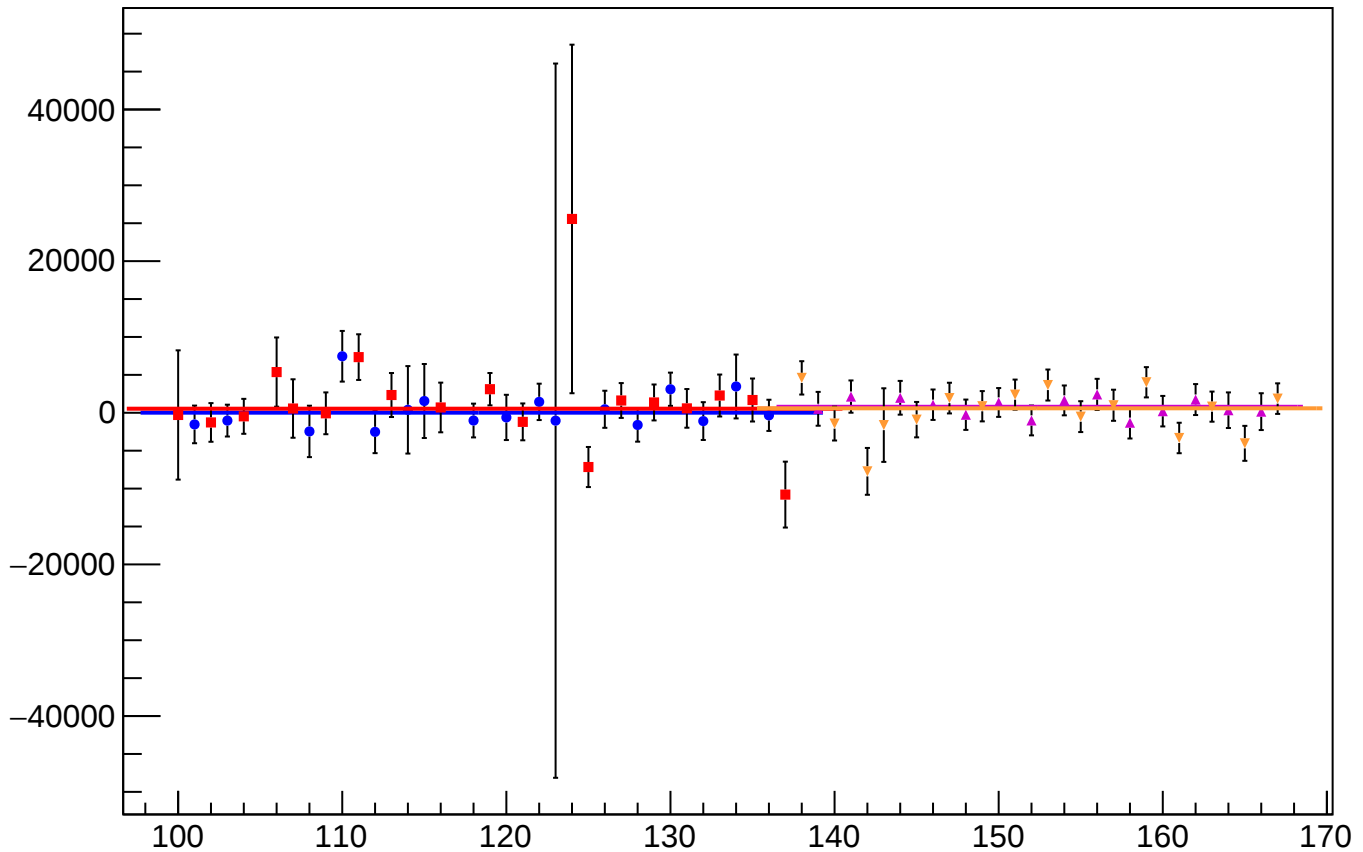
Left In: 5711.372 ± 1.242 χ^2/NDF : 525490.1/13

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

All: 4020.777 ± 0.513 χ^2/NDF : 10822943.7/6

- sign 3977.382 ± 0.727 χ^2/NDF : 5495096.0/32

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

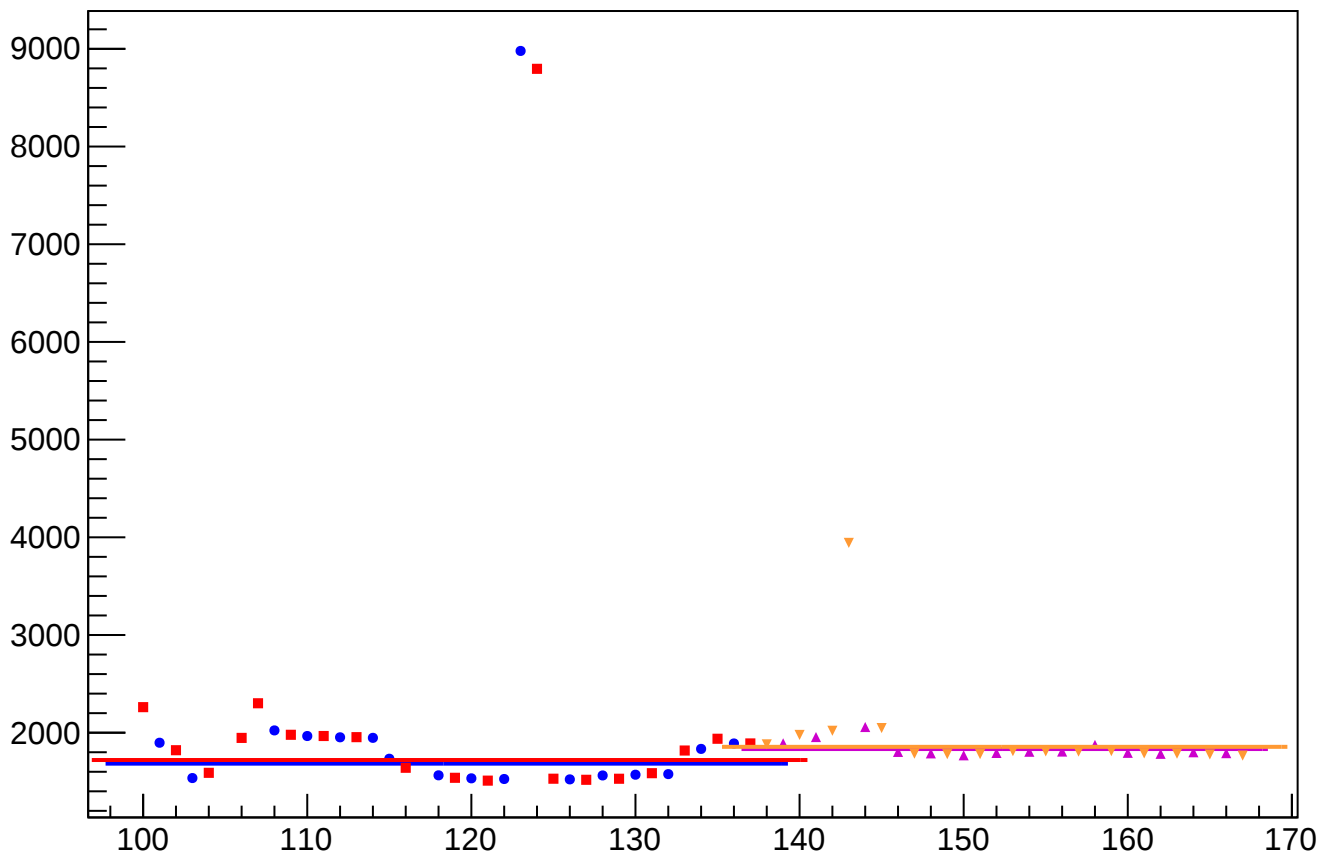
Left In: 789.896+/-557.441 χ^2 /NDF:4.1/13

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

All: 518.601+/-299.003 χ^2 /NDF: 69.8/65

- sign 685.013+/-426.174 χ^2 /NDF: 30.9/32

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

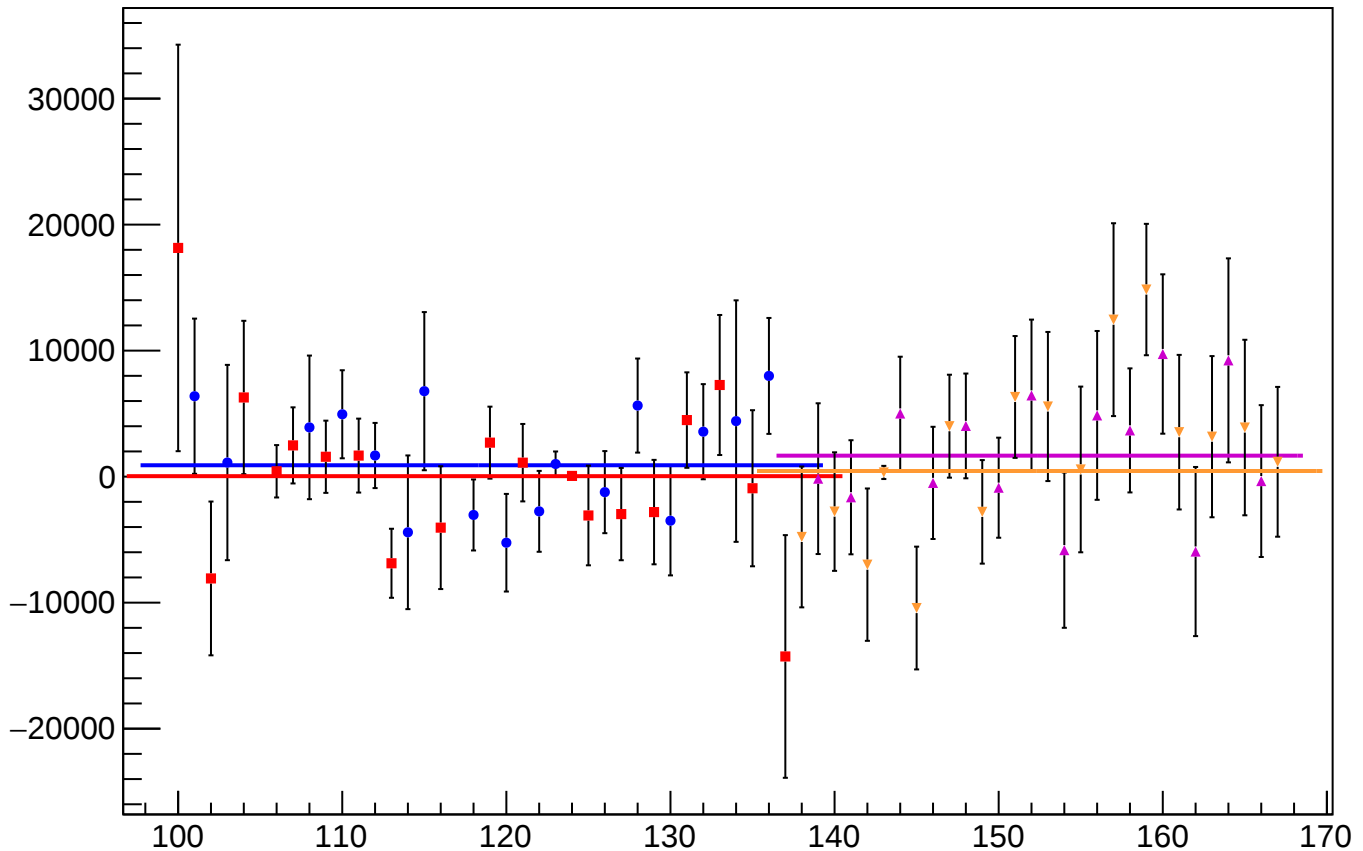
Left In: 1832.781+/-0.394 χ^2/NDF : 37473.3/13

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

All: 1785.913+/-0.211 χ^2/NDF : 1162915.1/65

- sign 1785.840+/-0.301 χ^2/NDF : 467532.6/32

asym_atl_dd_correction_mean vs Slug



Right In: 903.344 $\pm$ 705.564 χ^2 /NDF: 16.0/16

Left Out: 447.890 $\pm$ 489.264 χ^2 /NDF:22.3/15

Right Out: 38.143 $\pm$ 357.176 χ^2 /NDF: 20.5/18

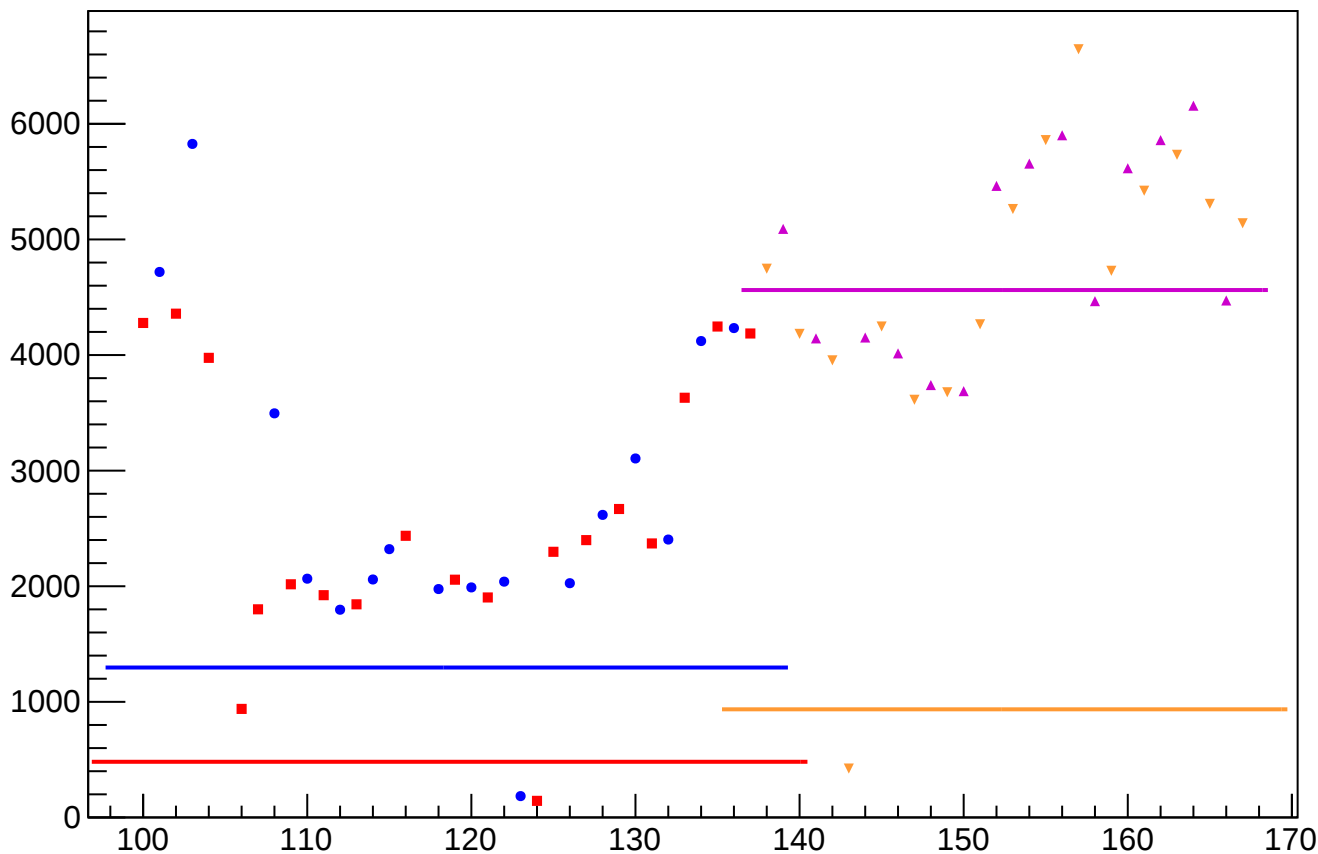
Left In: 1665.167 $\pm$ 1406.830 χ^2 /NDF:8.5/13

+ sign 595.782 $\pm$ 402.056 χ^2 /NDF: 38.6/32

All: 332.138 $\pm$ 262.341 χ^2 /NDF: 69.6/65

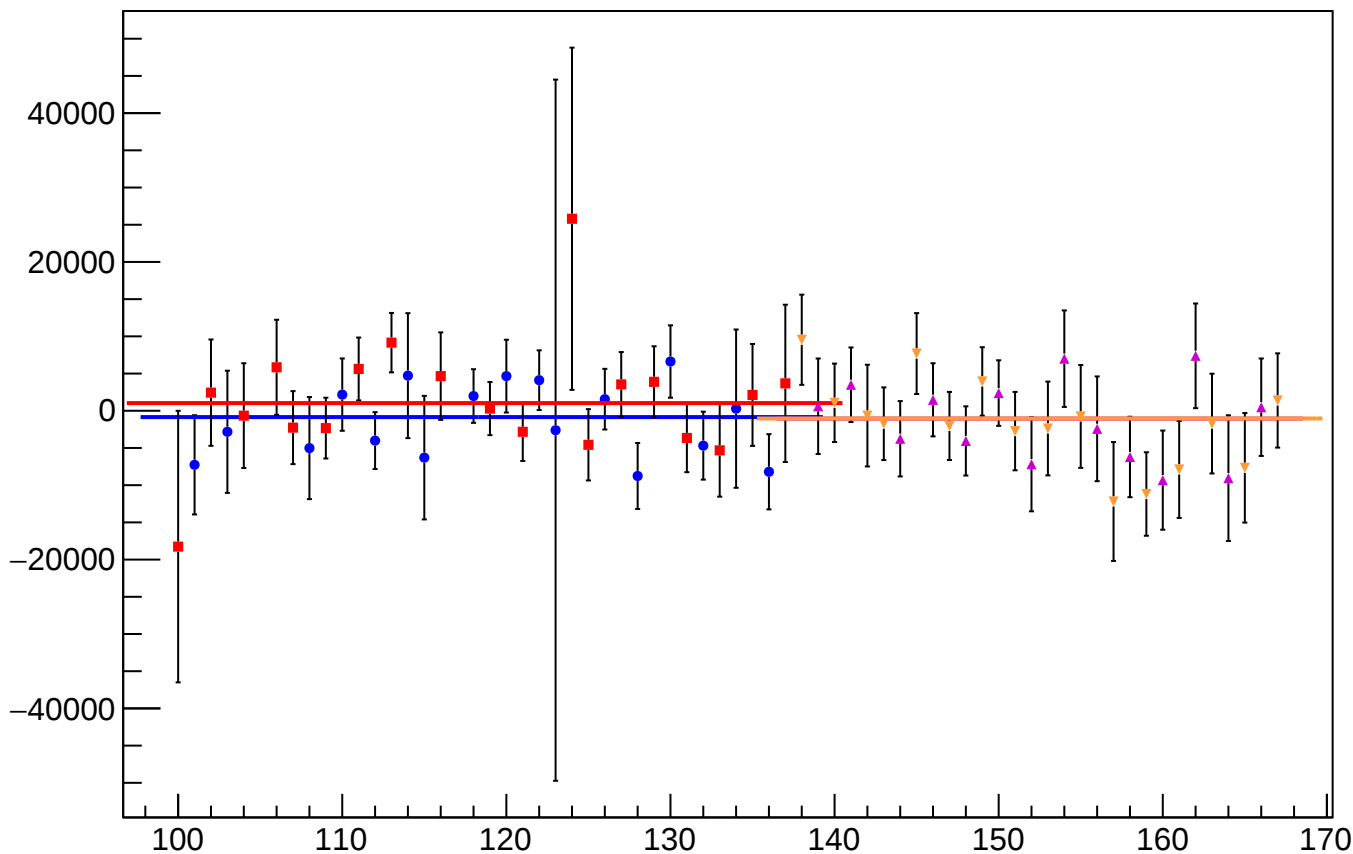
- sign 136.668 $\pm$ 346.193 χ^2 /NDF: 30.3/32

asym_atl_dd_correction_rms vs Slug



Right In: 1297.005+/-0.499	χ^2/NDF : 6509608.5/16	+ sign 1052.803+/-0.284	χ^2/NDF : 23142084.6/32
Left Out: 935.378+/-0.346	χ^2/NDF : 16277691.1/15	All: 866.684+/-0.186	χ^2/NDF : 50493259.0/65
Right Out: 481.577+/-0.253	χ^2/NDF : 10144170.1/18	- sign 728.691+/-0.245	χ^2/NDF : 26604823.4/32
Left In: 4562.367+/-0.995	χ^2/NDF : 651585.9/13		

asym_atl_dd_mean vs Slug



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

Left Out: -1036.908 ± 1451.984 $\chi^2/\text{NDF}: 14.5/15$

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

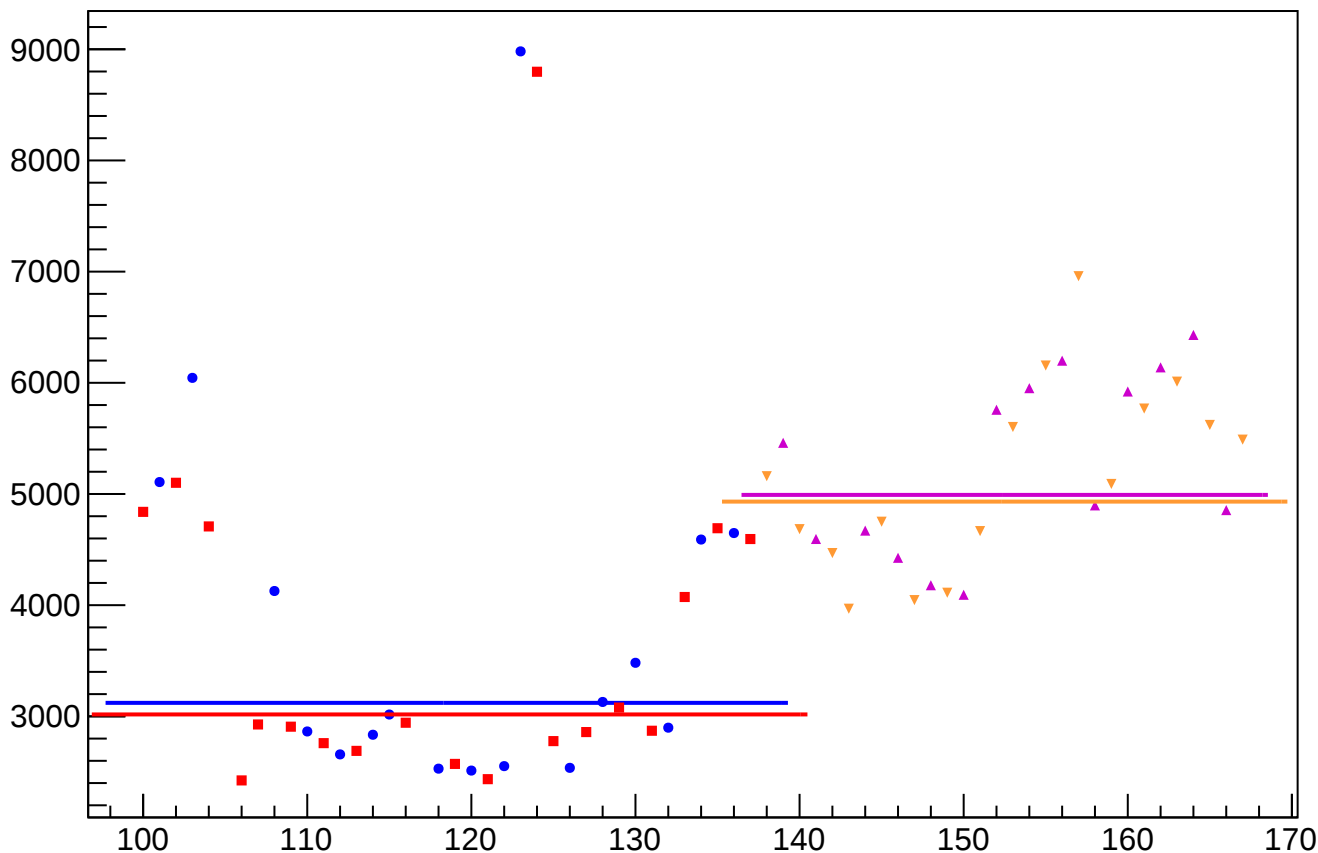
Left In: -1050.286 ± 1533.229 $\chi^2/\text{NDF}: 9.8/13$

+ sign -930.005 ± 952.086 $\chi^2/\text{NDF}: 29.9/32$

All: -333.054 ± 669.066 $\chi^2/\text{NDF}: 56.7/65$

- sign 249.365 ± 940.427 $\chi^2/\text{NDF}: 26.0/32$

asym_atl_dd_rms vs Slug



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

Left Out: 4931.492+/-1.027 χ^2/NDF : 573840.1/15

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

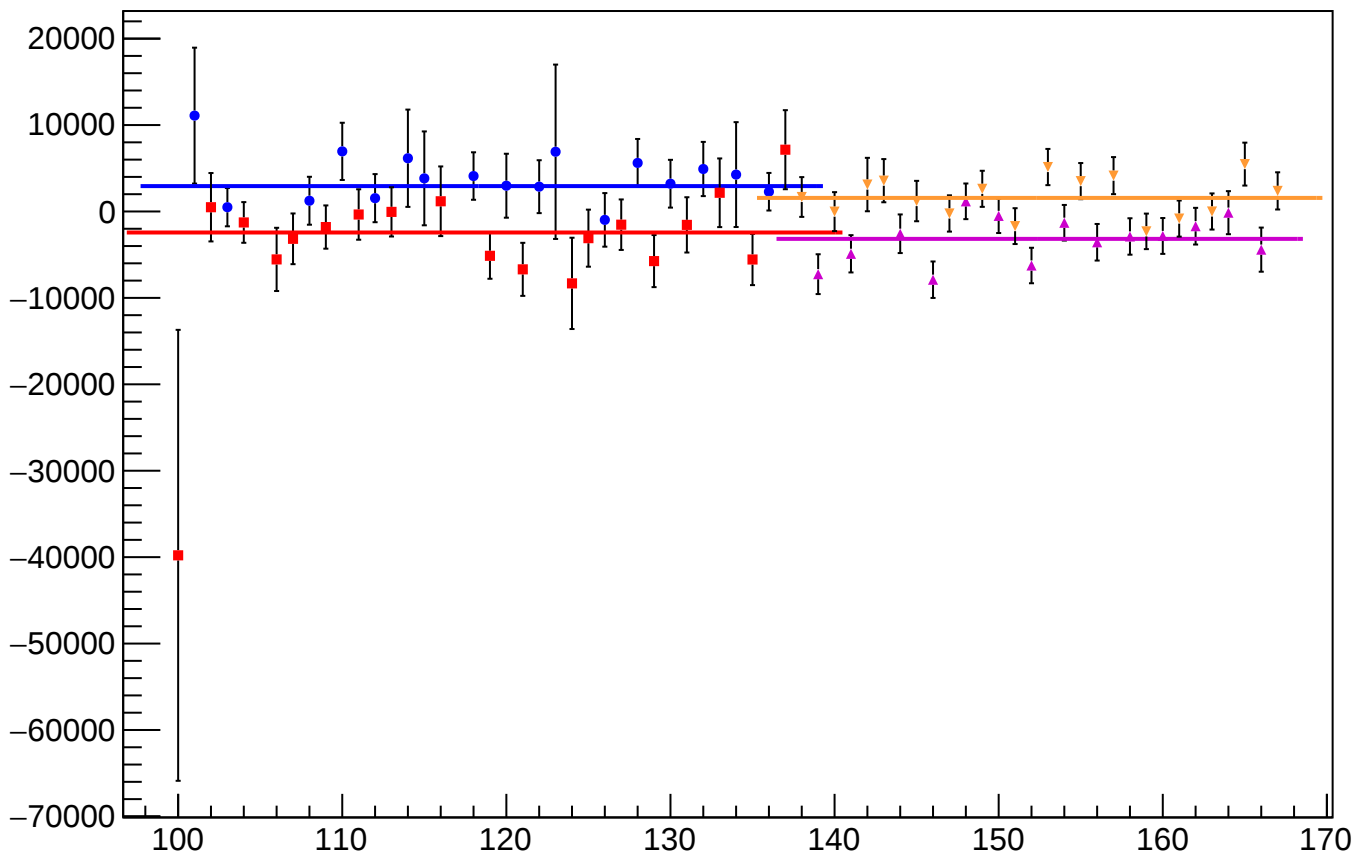
Left In: 4991.835+/-1.084 χ^2/NDF : 485428.0/13

+ sign 3899.674+/-0.673 χ^2/NDF : 3291312.9/32

All: 3822.576+/-0.471 χ^2/NDF : 6683162.9/65

- sign 3748.526+/-0.660 χ^2/NDF : 3366138.5/32

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

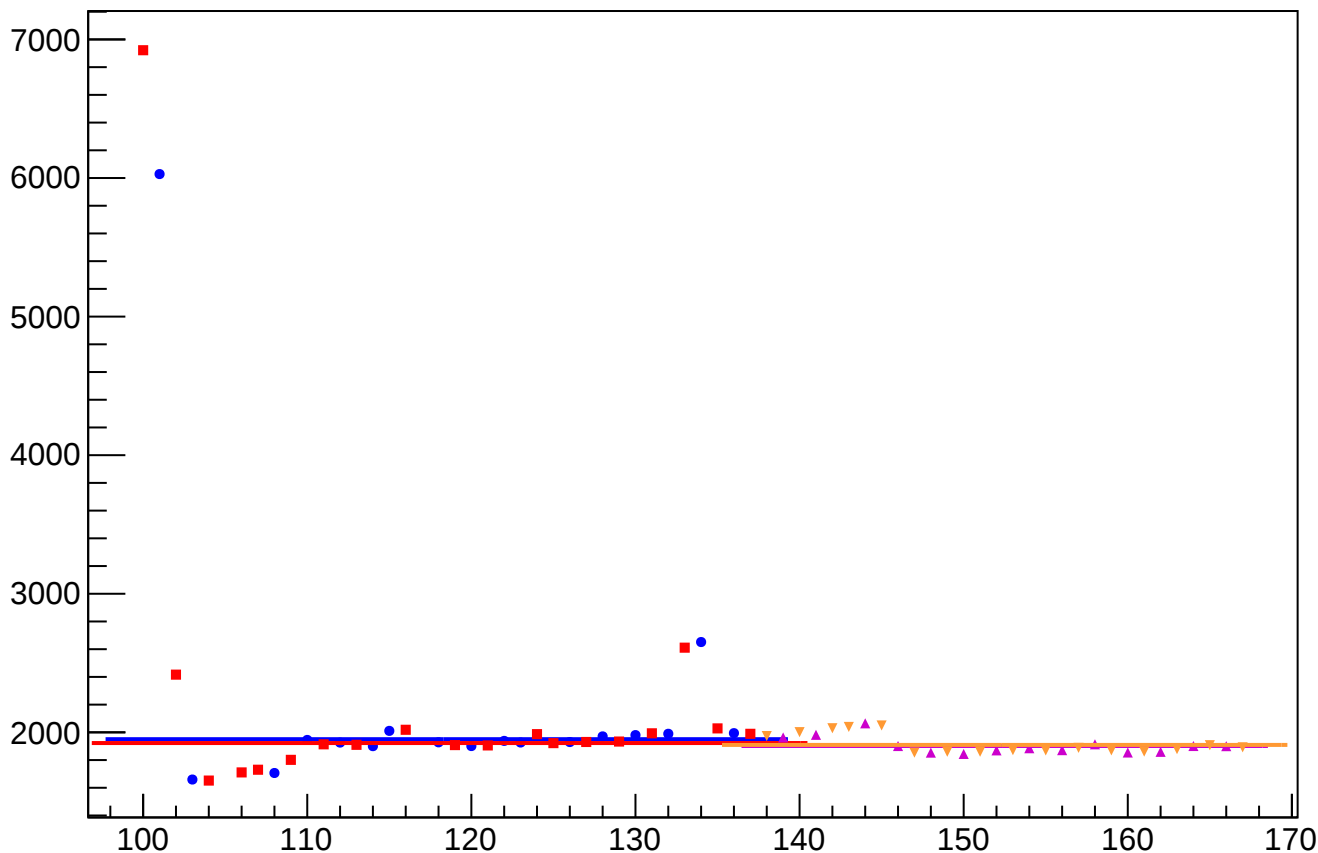
Left In: -3170.727 $\pm$ 576.644 χ^2/NDF : 20.5/13

+ sign 2030.378 $\pm$ 450.296 χ^2/NDF : 28.3/32

All: -405.573 $\pm$ 320.039 χ^2/NDF : 126.7/65

- sign -2892.109 $\pm$ 454.947 χ^2/NDF : 39.2/32

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

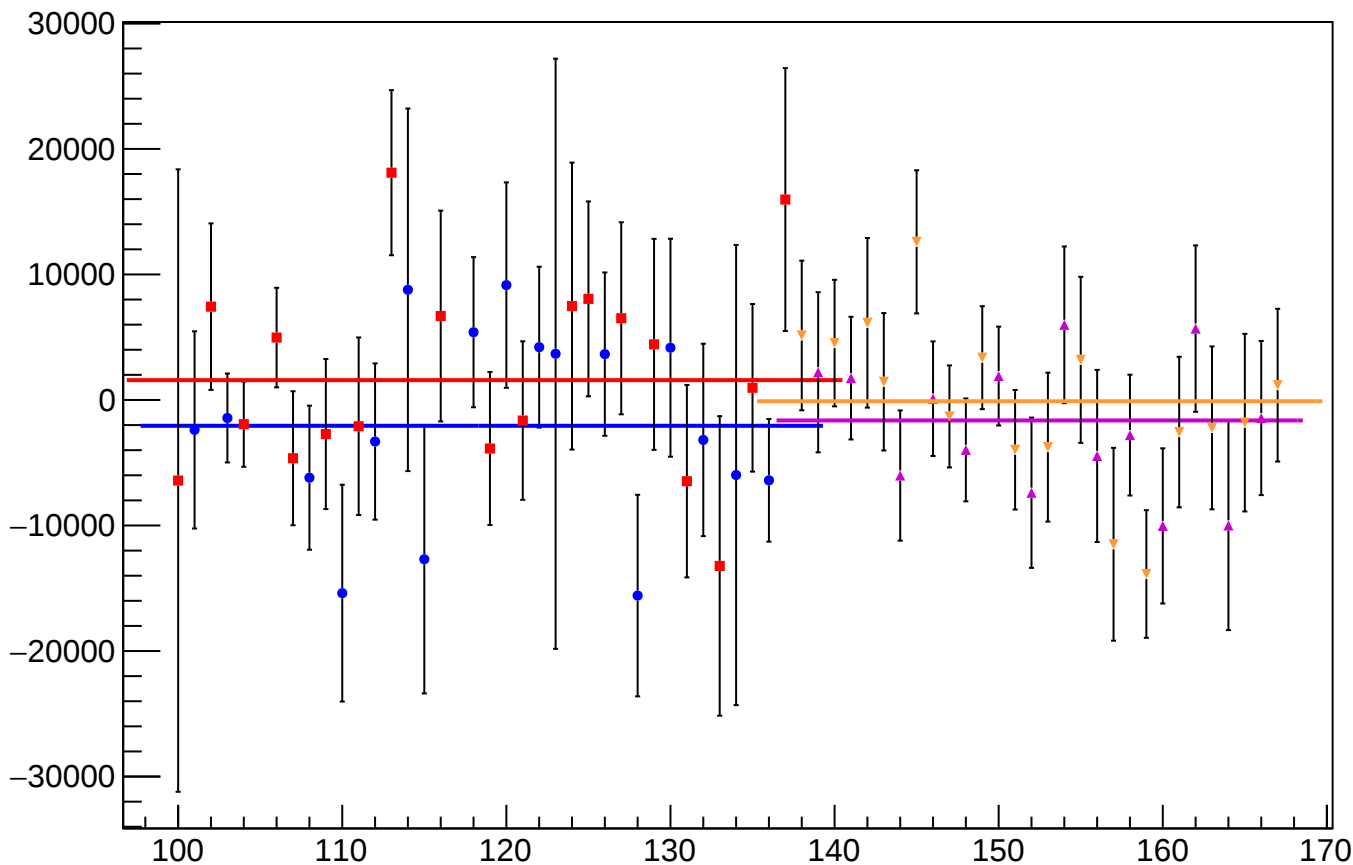
Left In: 1901.590+/-0.408 χ^2/NDF : 20541.6/13

+ sign 1923.202+/-0.318 χ^2/NDF : 649219.2/32

All: 1916.466+/-0.226 χ^2/NDF : 889084.1/65

- sign 1909.603+/-0.321 χ^2/NDF : 238961.4/32

asym_atr_avg_correction_mean vs Slug



Right In: -2056.876 ± 1661.079 χ^2/NDF : 14.0/16

Left Out: -101.140 ± 1382.556 χ^2/NDF : 19.5/15

Right Out: 1580.717 ± 1477.405 χ^2/NDF : 18.6/18

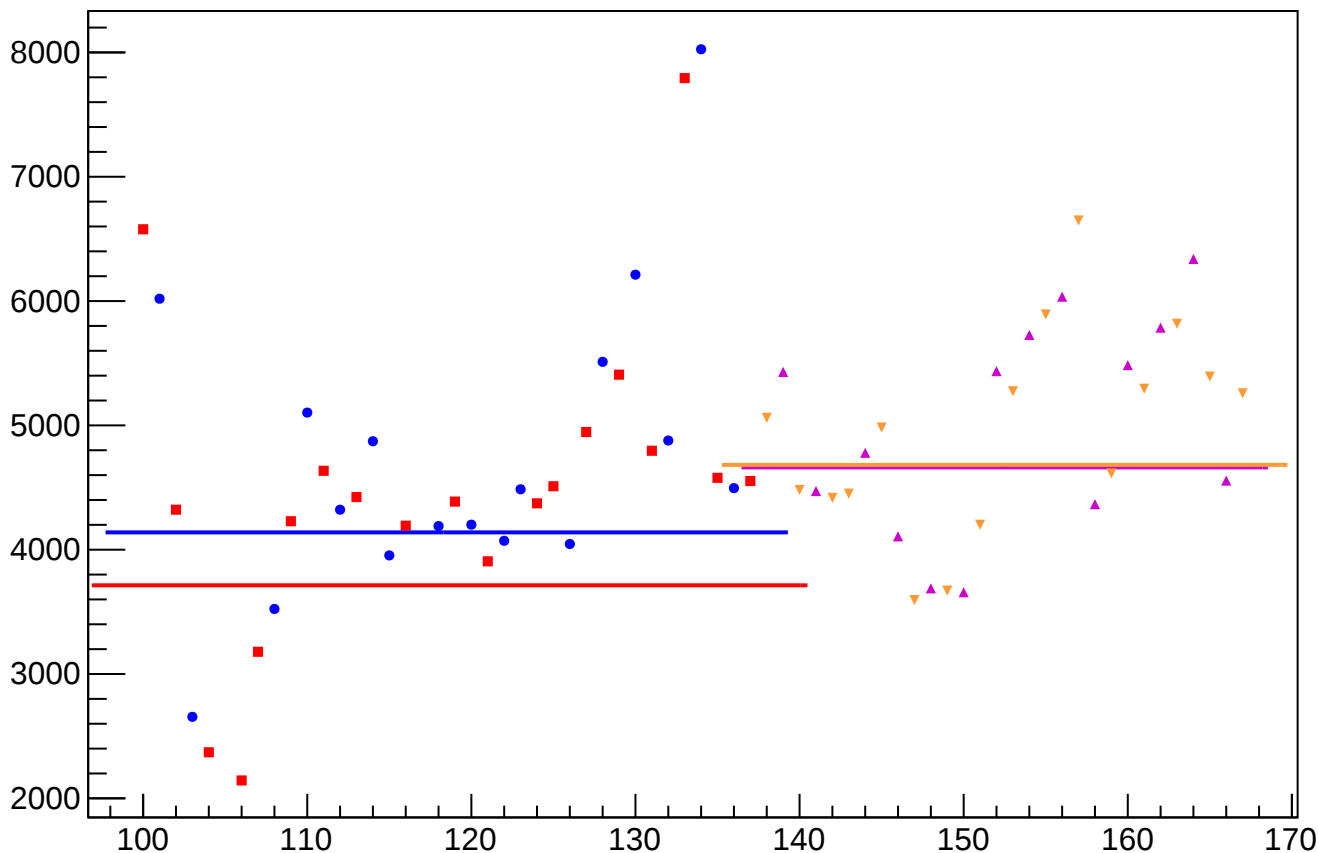
Left In: -1631.546 ± 1438.191 χ^2/NDF : 9.5/13

+ sign -901.525 ± 1062.636 χ^2/NDF : 34.3/32

All: -472.299 ± 739.788 χ^2/NDF : 65.2/65

- sign -68.611 ± 1030.539 χ^2/NDF : 30.6/32

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

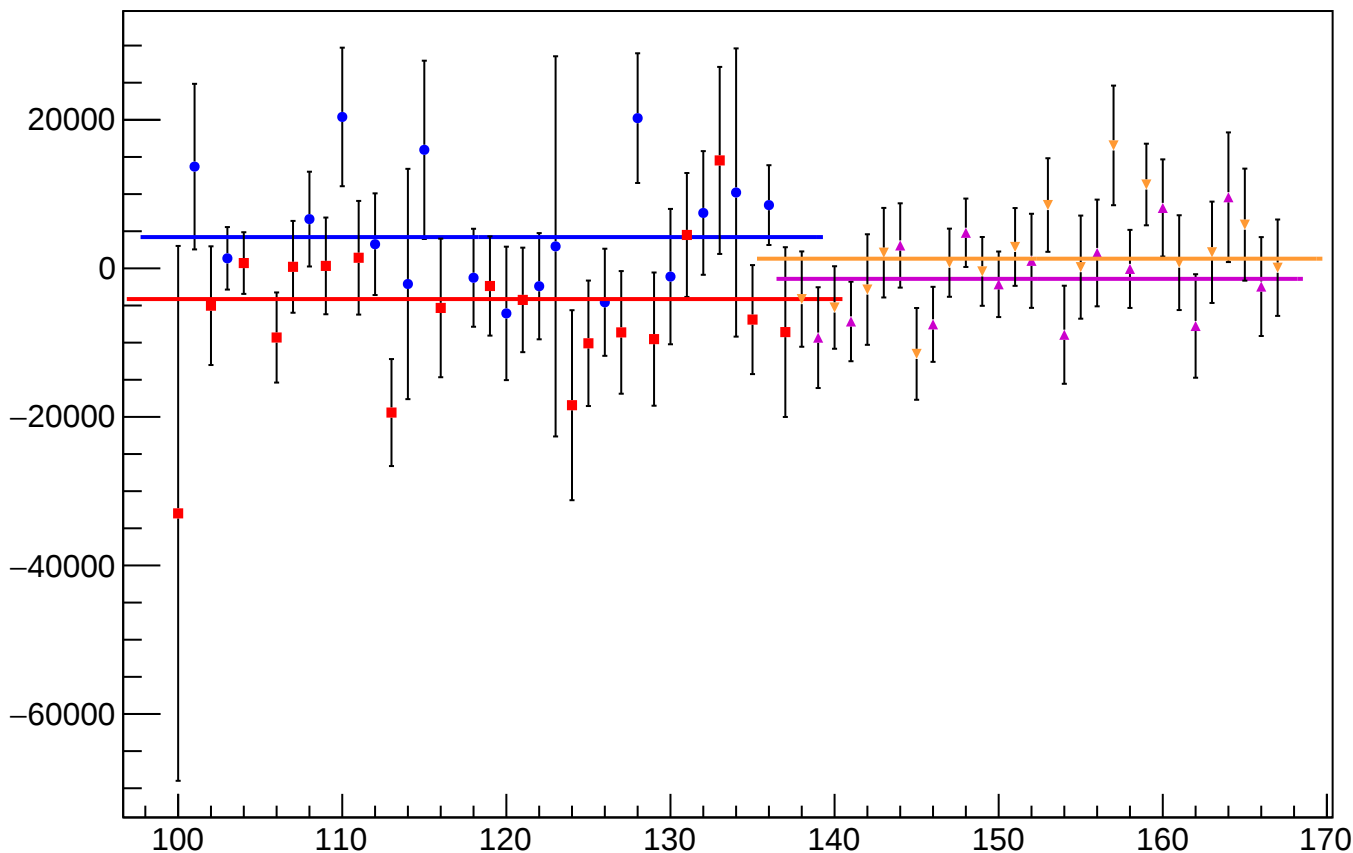
Left In: 4661.661+/-1.017 χ^2/NDF : 659249.5/13

+ sign 4460.249+/-0.751 χ^2/NDF : 1587264.7/32

All: 4326.311+/-0.523 χ^2/NDF : 4006927.7/65

- sign 4200.343+/-0.729 χ^2/NDF : 2358006.9/32

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

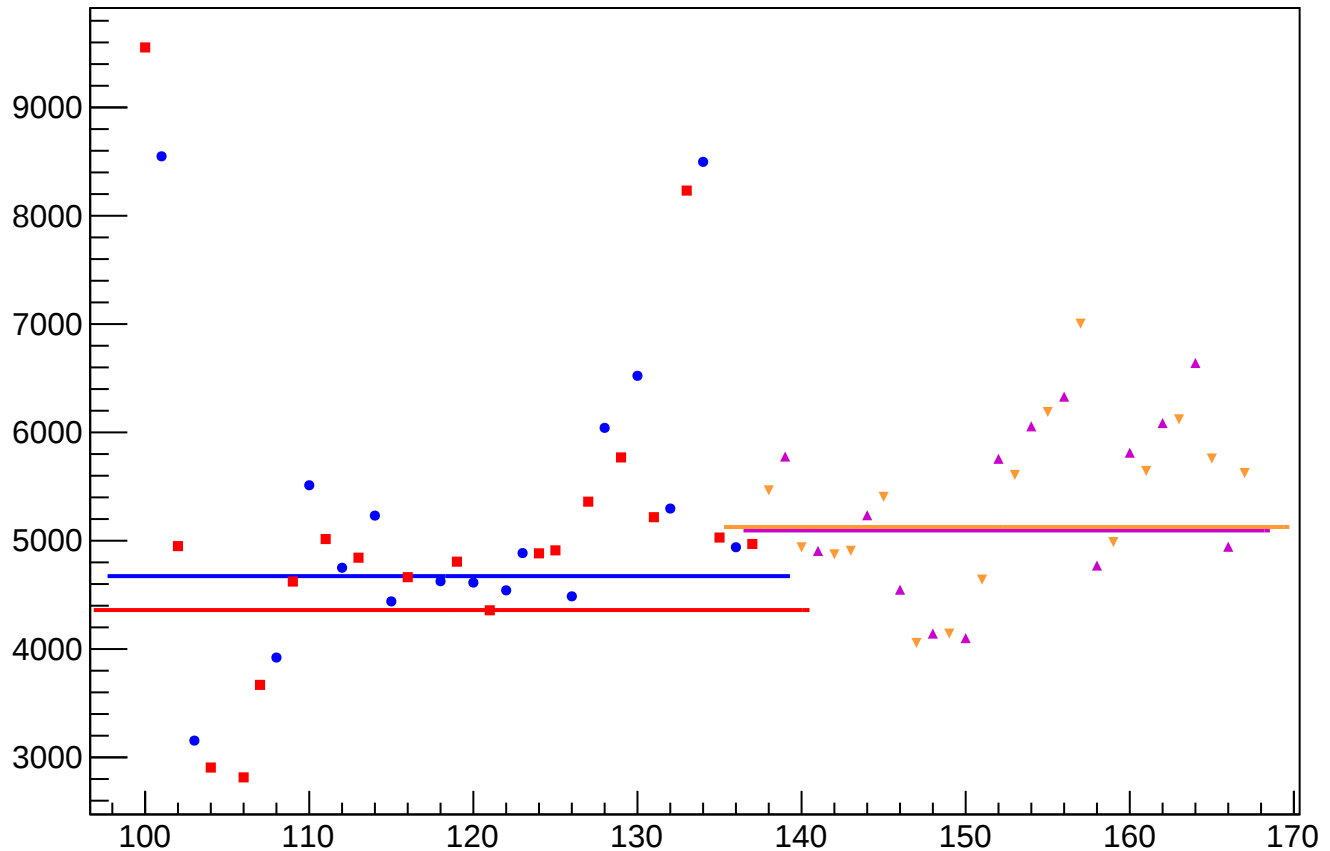
Left In: -1412.598+/-1564.744 χ^2/NDF : 12.8/13

+ sign 2446.852+/-1173.336 χ^2/NDF : 31.5/32

All: -128.003+/-824.583 χ^2/NDF : 70.0/65

- sign -2640.623+/-1159.069 χ^2/NDF : 28.9/32

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

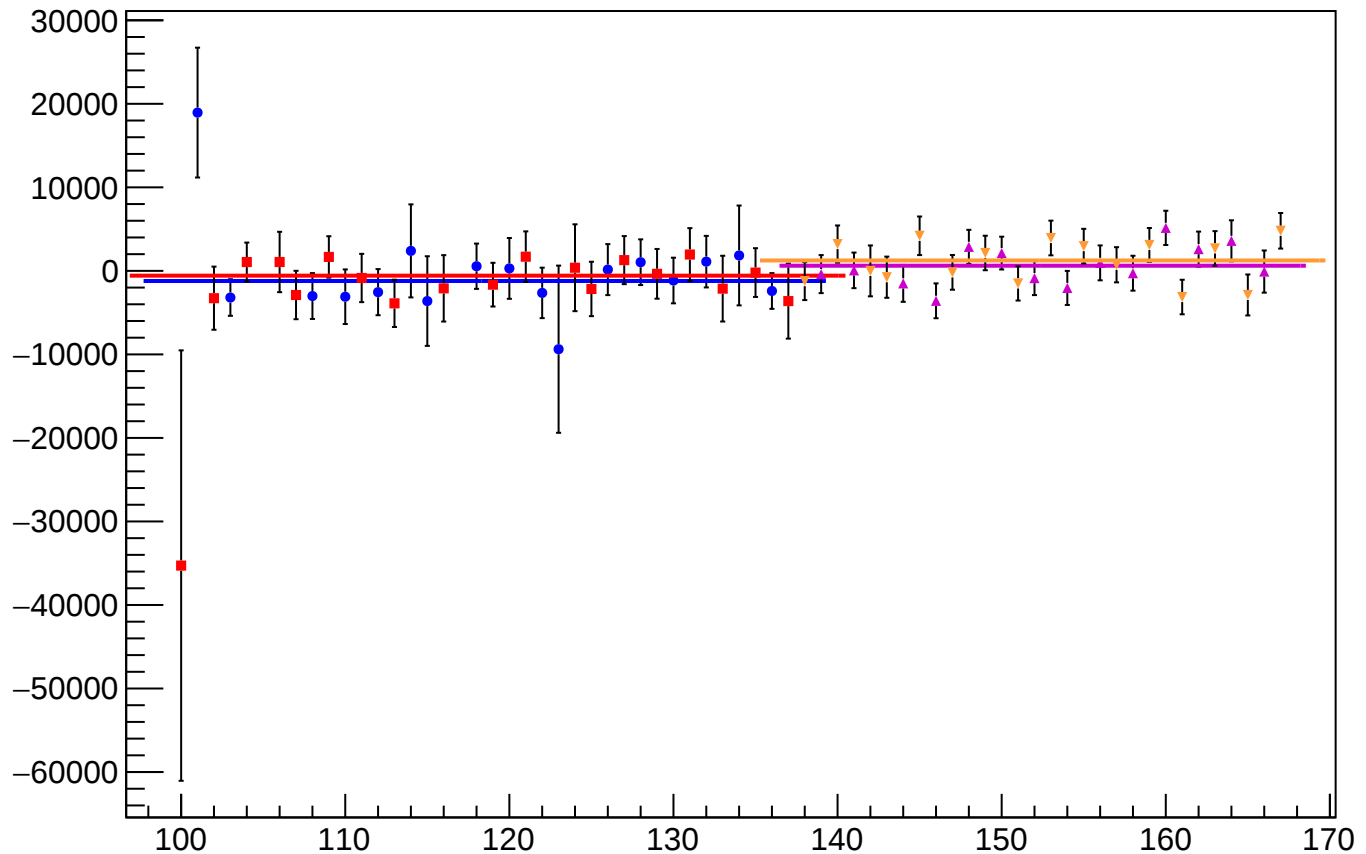
Left In: 5094.869 $\pm$ 1.106 χ^2 /NDF: 493604.0/13

+ sign 4948.218 $\pm$ 0.830 χ^2 /NDF: 1331447.0/32

All: 4853.236 $\pm$ 0.582 χ^2 /NDF: 2883509.1/65

- sign 4761.035 $\pm$ 0.817 χ^2 /NDF: 1526234.2/32

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

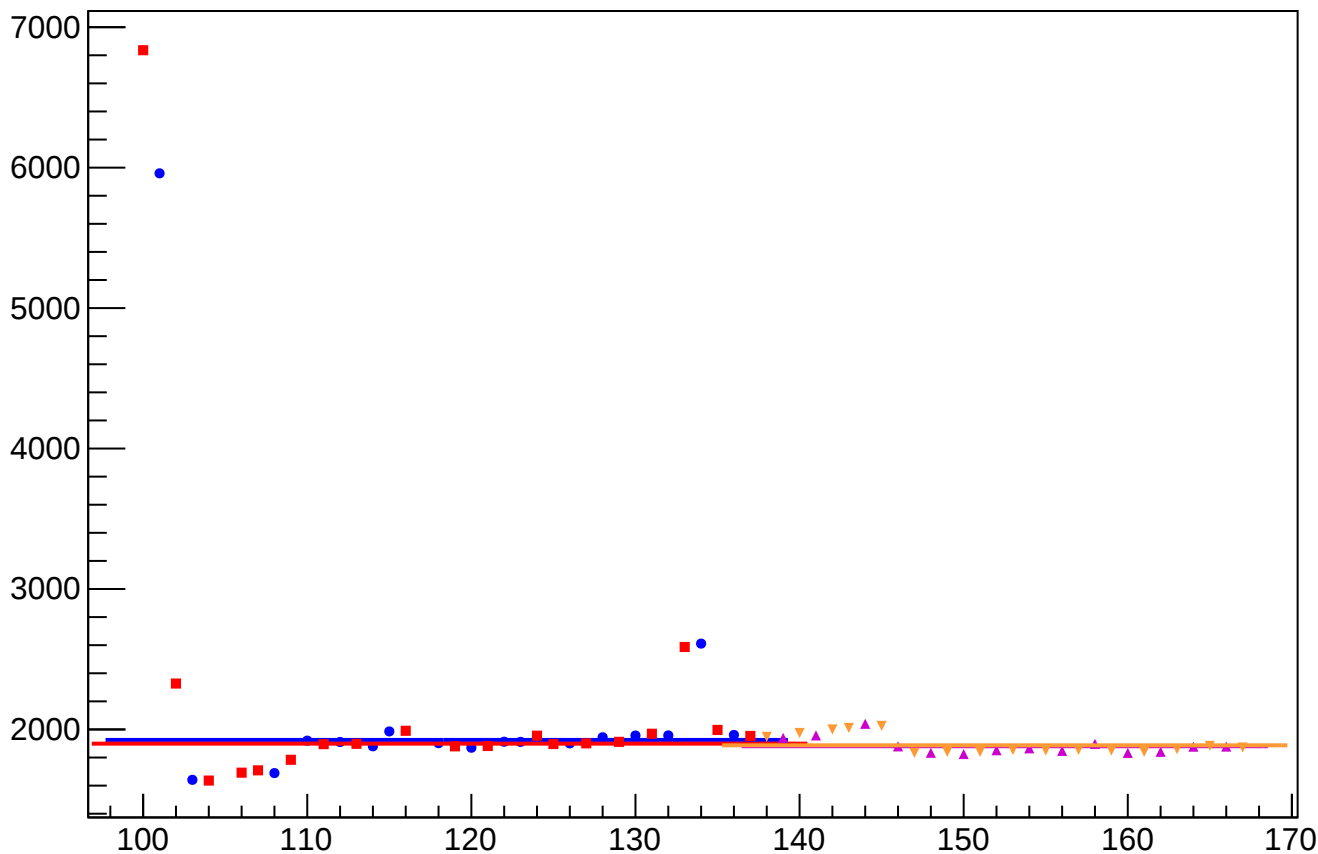
Left In: 617.896+/-570.236 χ^2/NDF : 16.8/13

+ sign 415.900+/-444.827 χ^2/NDF : 40.2/32

All: 292.731+/-316.193 χ^2/NDF : 67.5/65

- sign 166.940+/-449.539 χ^2/NDF : 27.2/32

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

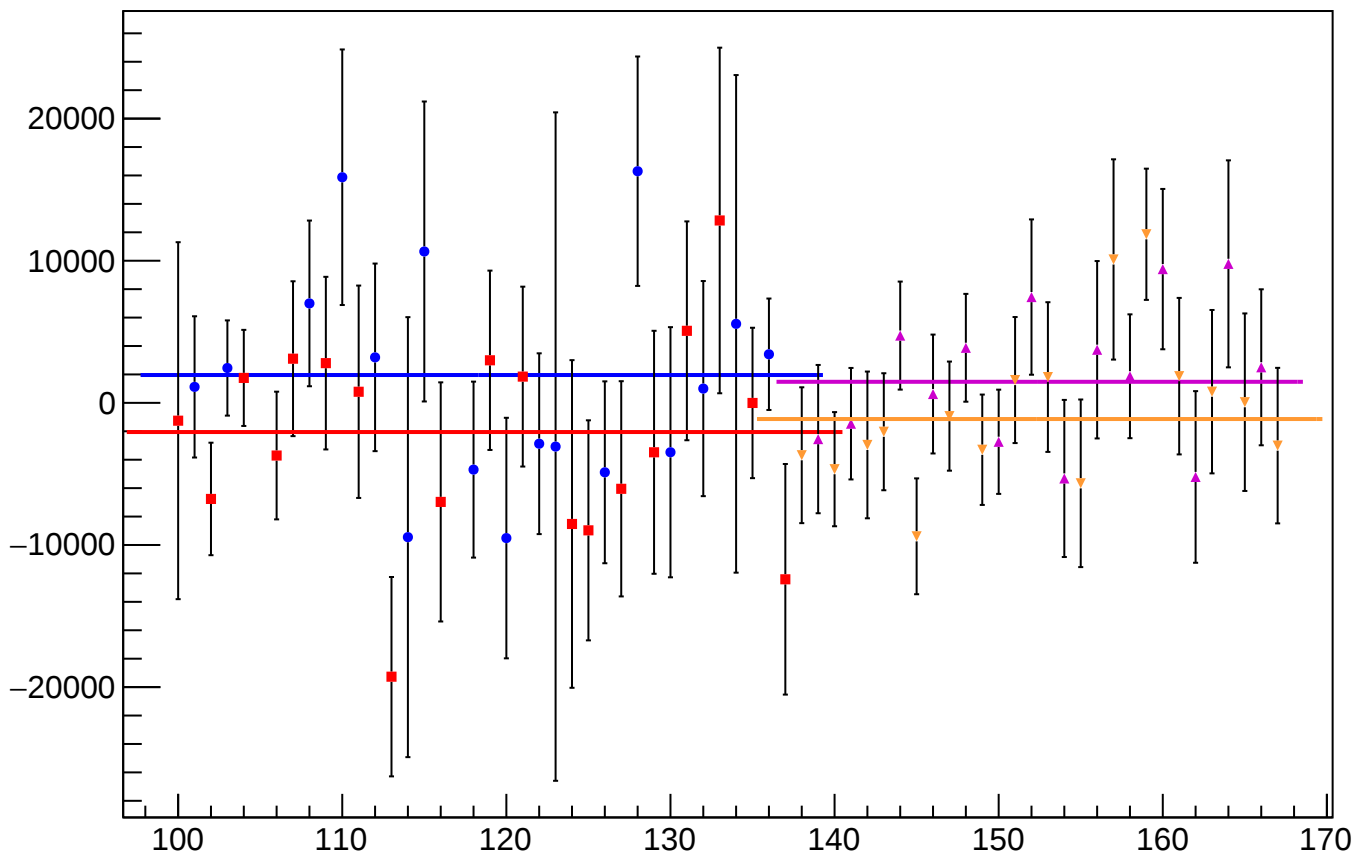
Left In: 1880.487+/-0.403 χ^2/NDF : 19981.2/13

+ sign 1899.930+/-0.315 χ^2/NDF : 645769.7/32

All: 1893.755+/-0.223 χ^2/NDF : 878192.0/65

- sign 1887.459+/-0.318 χ^2/NDF : 231643.9/32

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

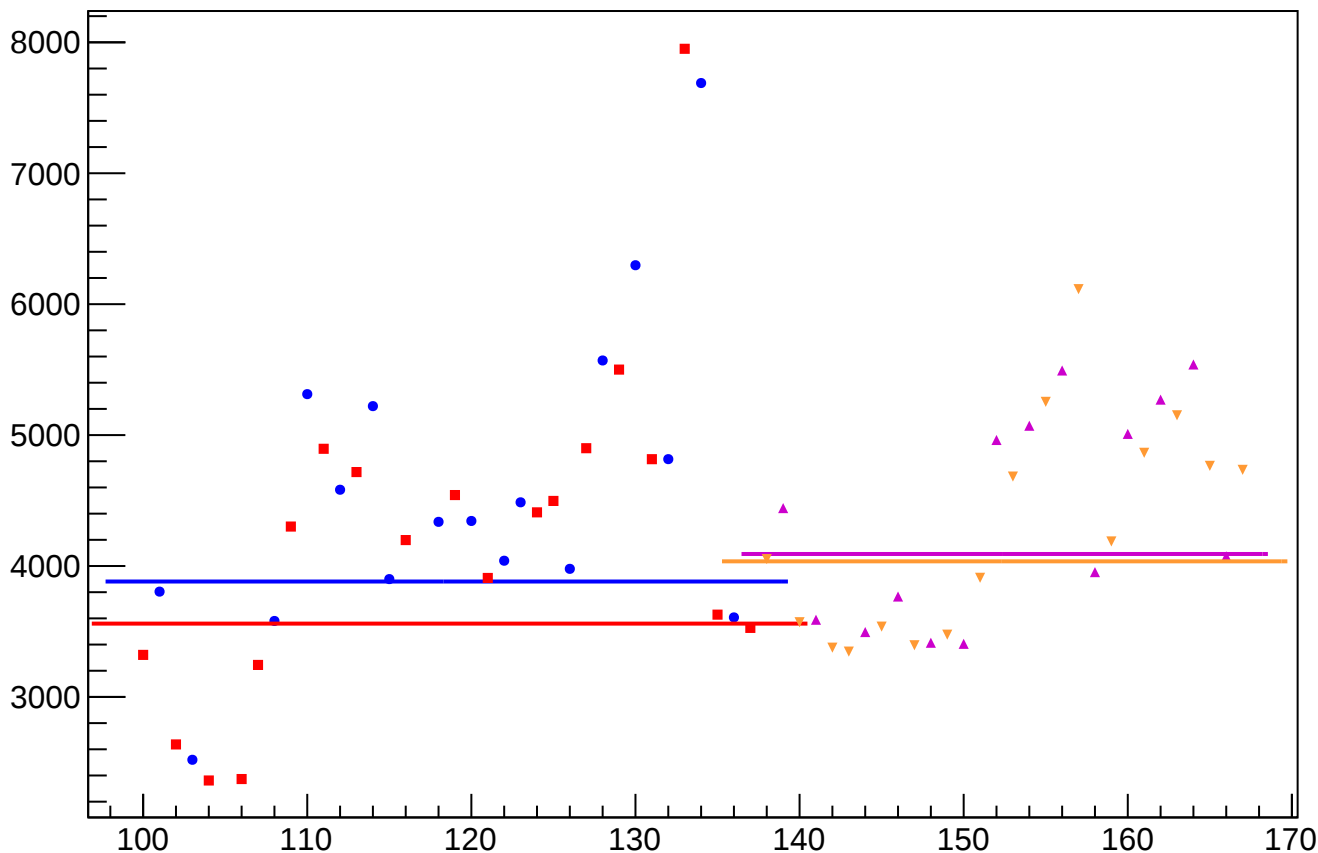
Left In: 1482.008 $\pm$ 1262.339 χ^2 /NDF: 11.0/13

+ sign 8.910 $\pm$ 947.303 χ^2 /NDF: 33.4/32

All: -38.929 $\pm$ 667.809 χ^2 /NDF: 65.4/65

- sign -86.190 $\pm$ 941.573 χ^2 /NDF: 32.0/32

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

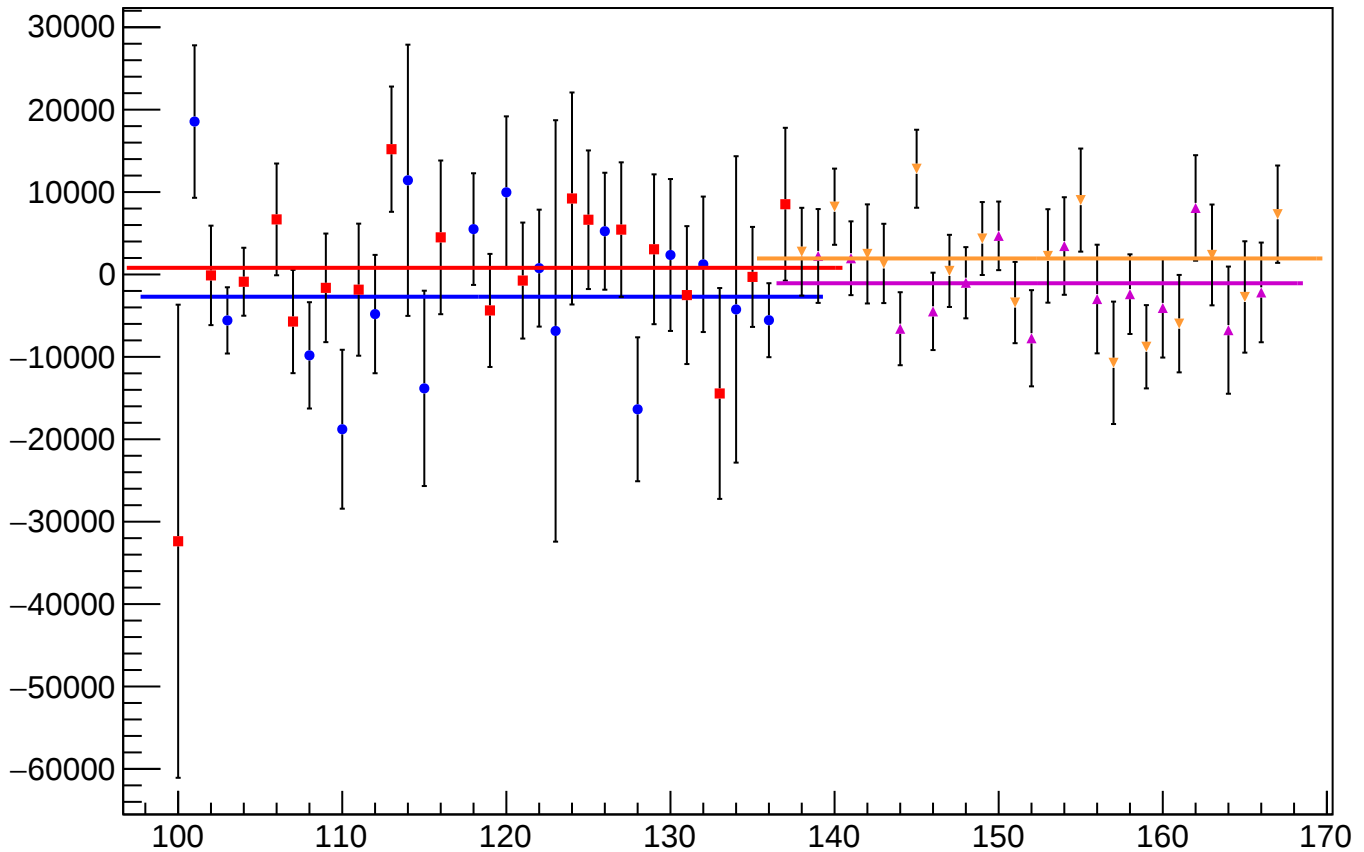
Left In: 4091.907+/-0.893 χ^2/NDF : 661741.1/13

+ sign 3978.638+/-0.670 χ^2/NDF : 1546824.2/32

All: 3916.925+/-0.472 χ^2/NDF : 3624465.9/65

- sign 3855.956+/-0.666 χ^2/NDF : 2060768.0/32

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

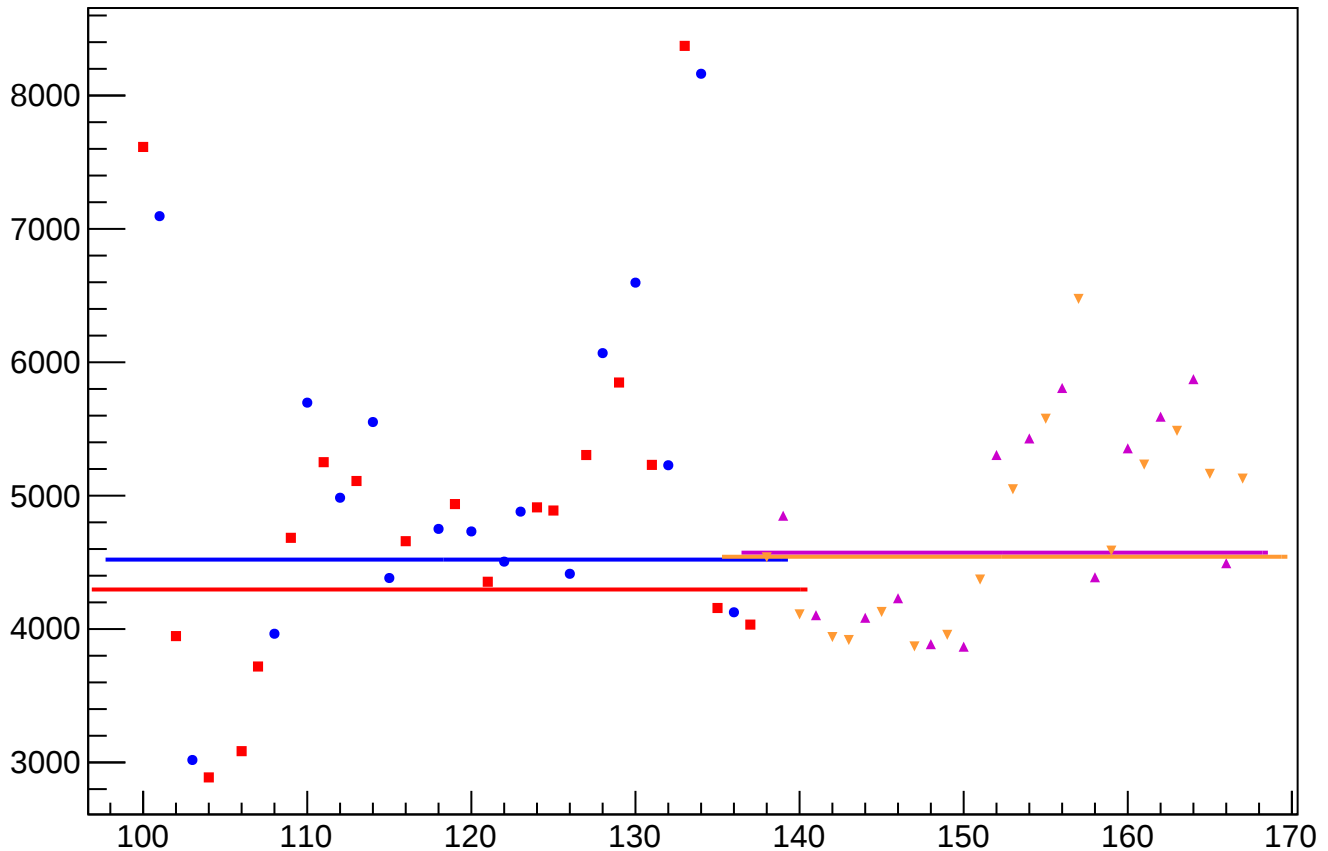
Left In: -1066.439 ± 1402.827 χ^2/NDF : 9.7/13

+ sign 306.831 ± 1073.871 χ^2/NDF : 44.6/32

All: 3.609 ± 761.324 χ^2/NDF : 66.7/65

- sign -302.801 ± 1079.501 χ^2/NDF : 22.0/32

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

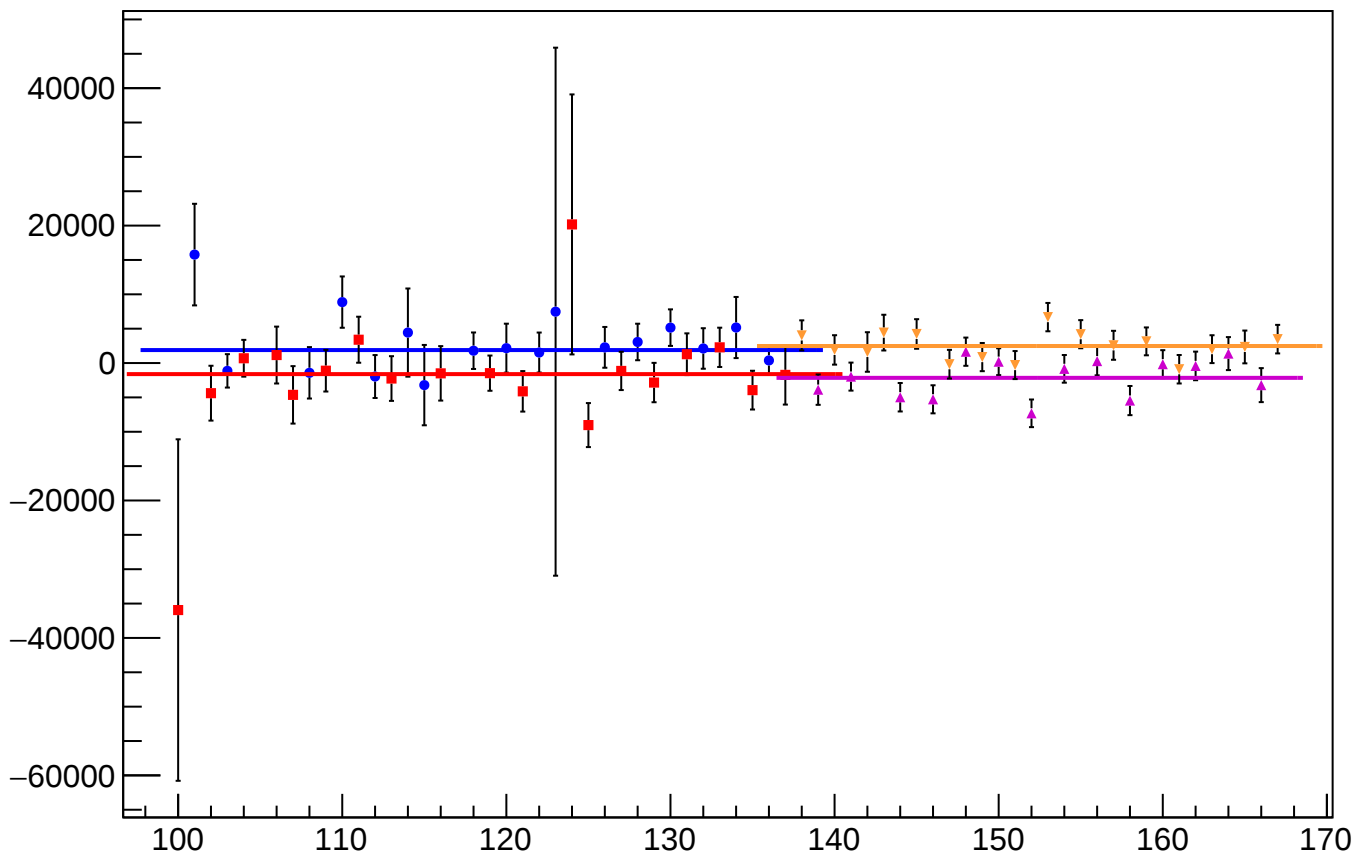
Right Out: 4296.527+/-1.189 χ^2/NDF : 771785.2/18

All: 4497.019+/-0.538 χ^2/NDF : 2525733.1/65

- sign 4459.315+/-0.762 χ^2/NDF : 1260976.0/32

Left In: 4572.687+/-0.992 χ^2/NDF : 457371.6/13

reg_asym_at1_avg_mean vs Slug



Right In: 1887.915 ± 783.827 χ^2/NDF : 14.7/16

Left Out: 2477.753 ± 538.787 χ^2/NDF : 13.9/15

Right Out: -1610.310 ± 765.843 χ^2/NDF : 17.5/18

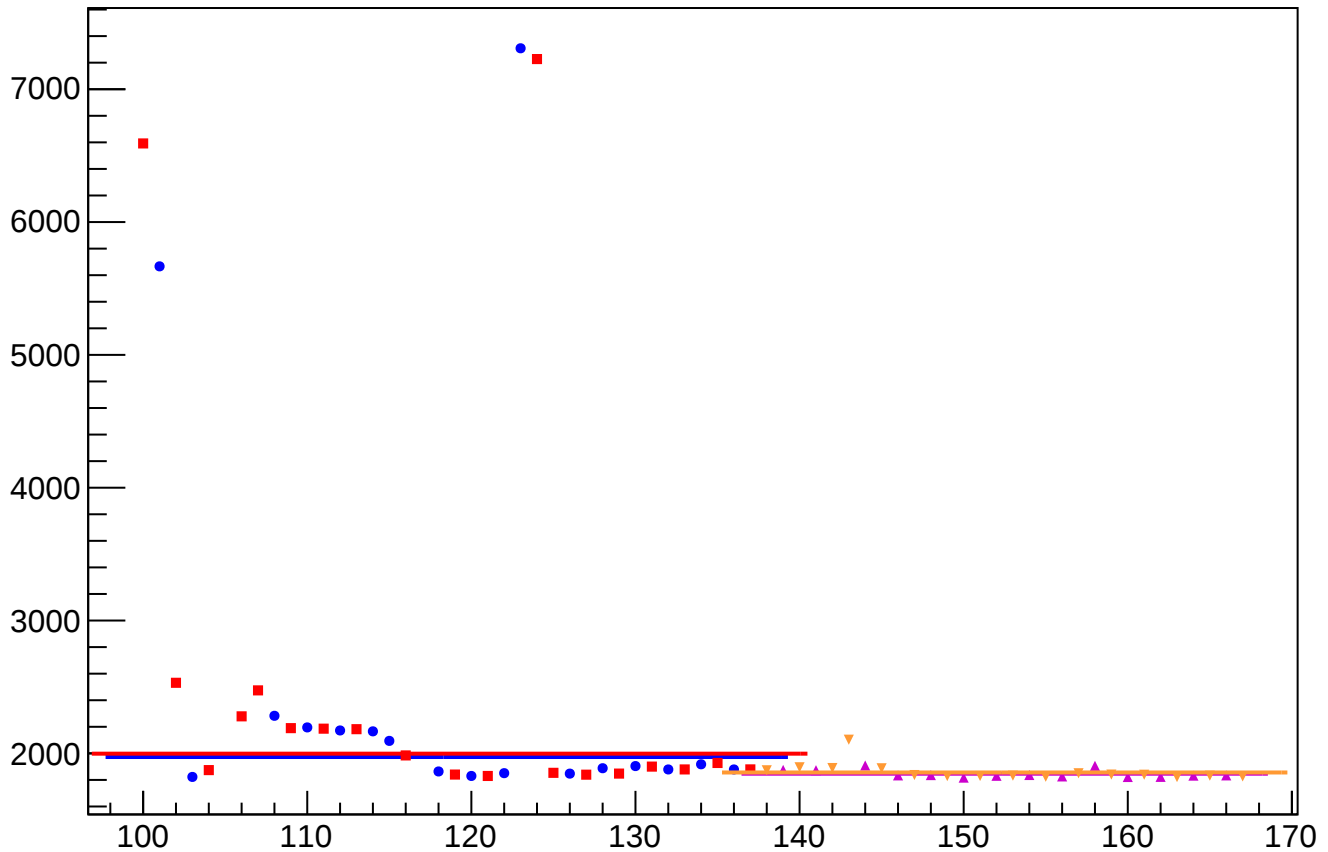
Left In: -2153.980 ± 561.155 χ^2/NDF : 24.5/13

+ sign 2288.487 ± 444.008 χ^2/NDF : 28.9/32

All: 203.192 ± 316.972 χ^2/NDF : 116.2/65

- sign -1964.057 ± 452.649 χ^2/NDF : 42.3/32

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

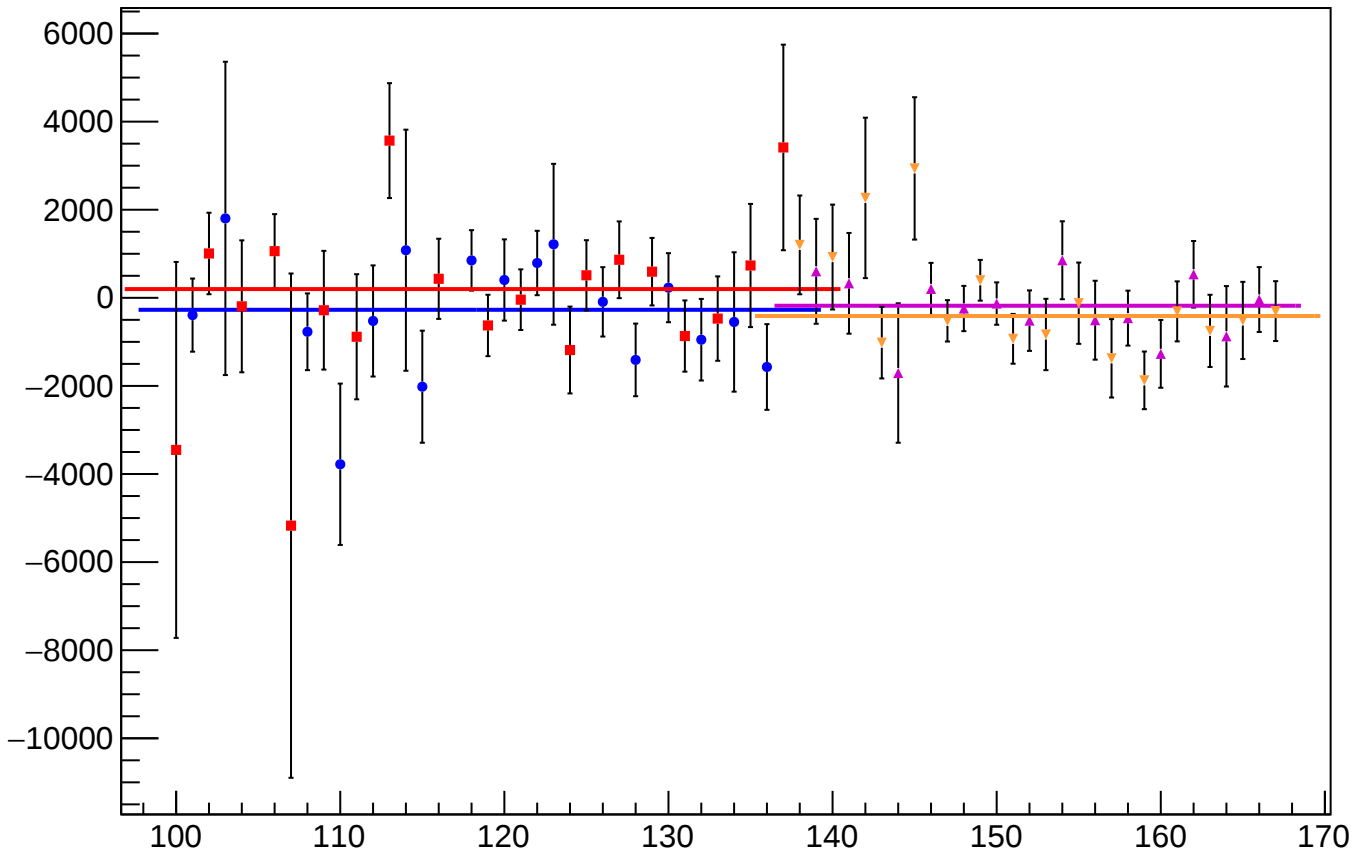
Left In: 1846.686+/-0.397 χ^2/NDF : 5631.8/13

+ sign 1893.408+/-0.314 χ^2/NDF : 653463.8/32

All: 1896.357+/-0.224 χ^2/NDF : 1065411.9/65

- sign 1899.422+/-0.320 χ^2/NDF : 411768.2/32

asym_at1_avg_correction_mean vs Slug



Right In: -271.773 ± 240.214 χ^2/NDF : 17.2/16

Left Out: -413.187 ± 184.270 χ^2/NDF : 21.1/15

Right Out: 198.424 ± 229.035 χ^2/NDF : 19.7/18

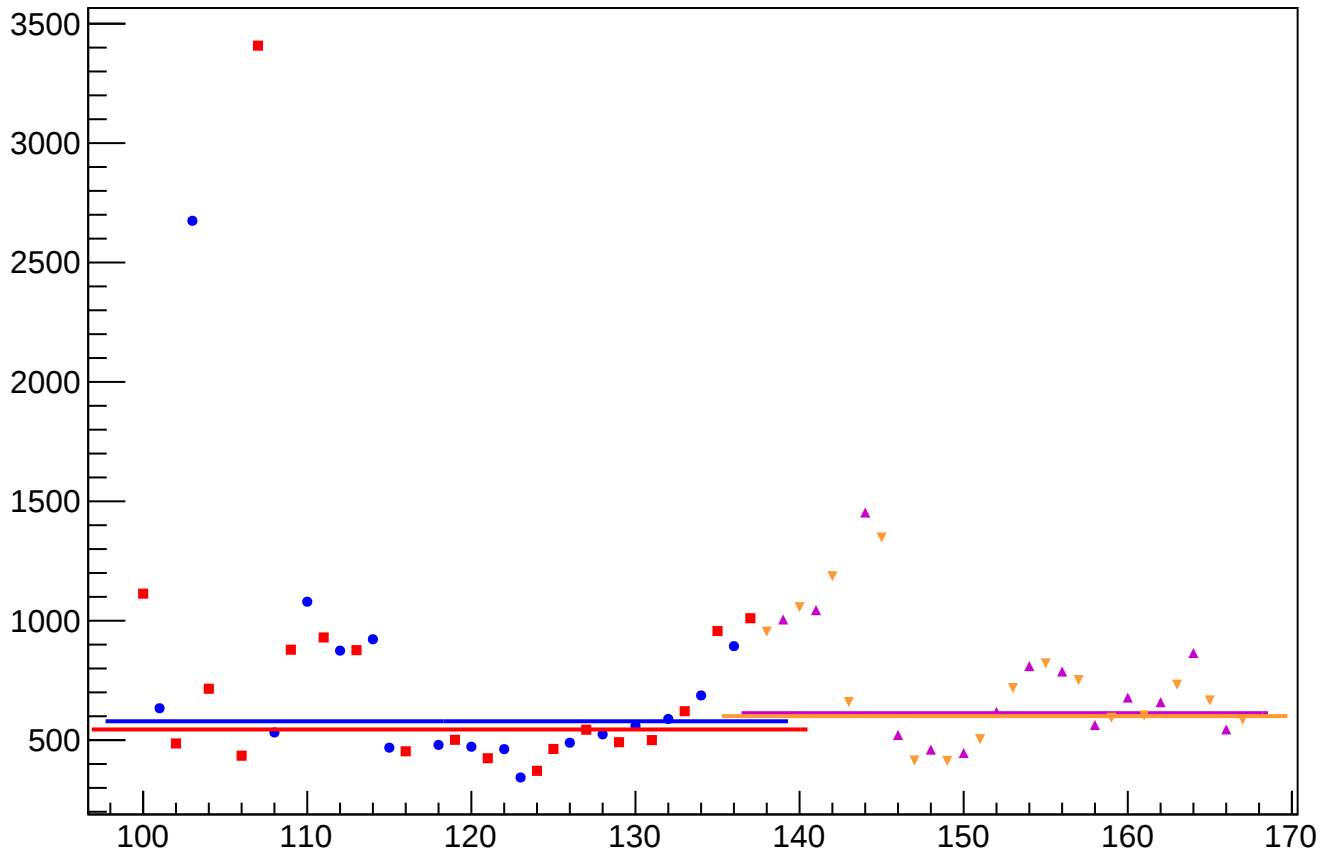
Left In: -179.698 ± 195.715 χ^2/NDF : 7.3/13

+ sign -360.799 ± 146.207 χ^2/NDF : 38.5/32

All: -193.442 ± 104.285 χ^2/NDF : 69.7/65

- sign -20.118 ± 148.791 χ^2/NDF : 28.6/32

asym_at1_avg_correction_rms vs Slug



Right In: 579.010+/-0.170 χ^2/NDF : 1422148.6/16

Left Out: 600.523+/-0.130 χ^2/NDF : 2117441.0/15

Right Out: 544.674+/-0.162 χ^2/NDF : 1457799.9/18

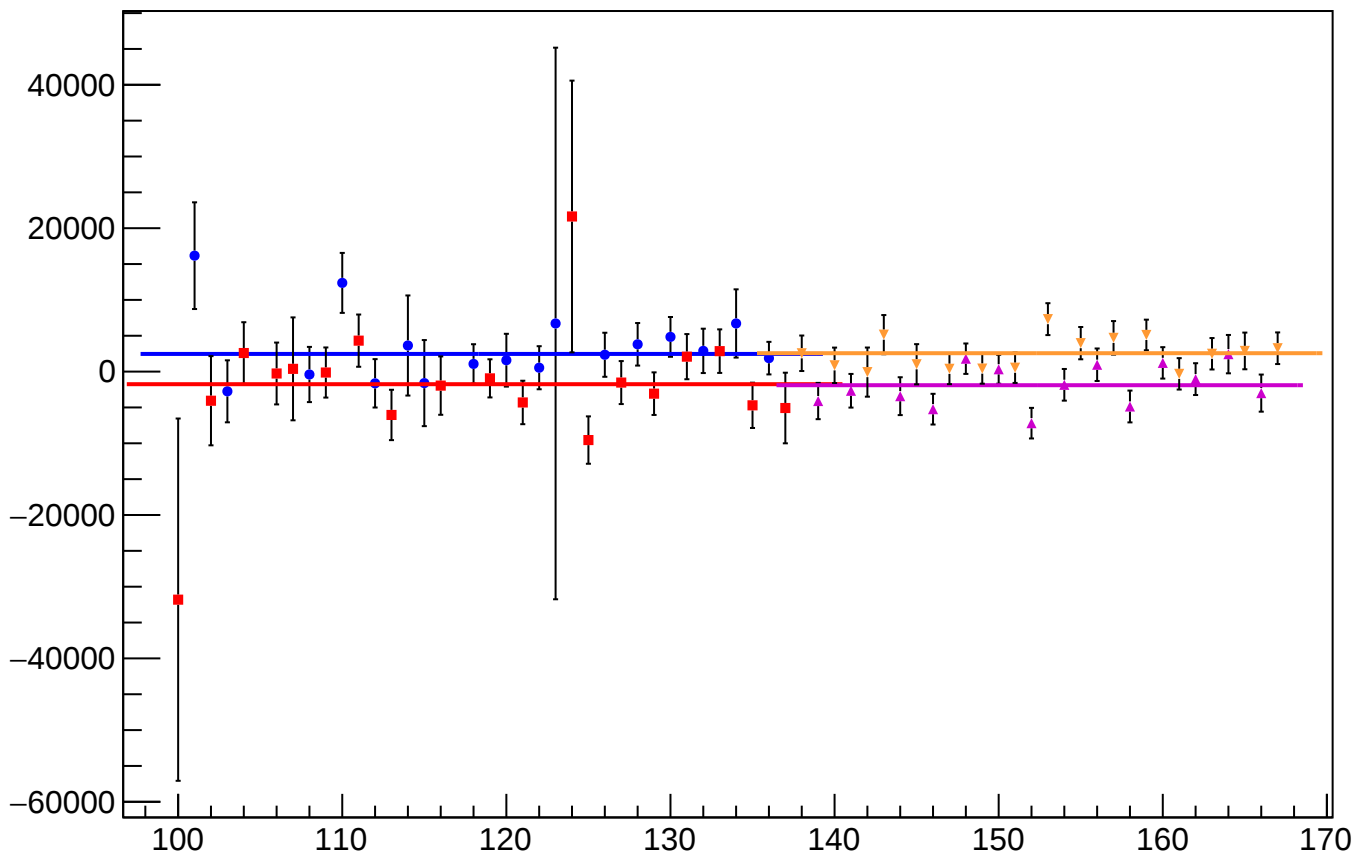
Left In: 612.802+/-0.138 χ^2/NDF : 1854078.9/13

+ sign 592.554+/-0.103 χ^2/NDF : 3549688.0/32

All: 588.376+/-0.074 χ^2/NDF : 6967170.1/65

- sign 584.050+/-0.105 χ^2/NDF : 3414158.5/32

asym_at1_avg_mean vs Slug



Right In: 2464.076 $\pm$ 863.197 χ^2 /NDF: 15.5/16

Left Out: 2565.568 $\pm$ 585.654 χ^2 /NDF:14.3/15

Right Out: -1756.788 $\pm$ 853.292 χ^2 /NDF: 20.5/18

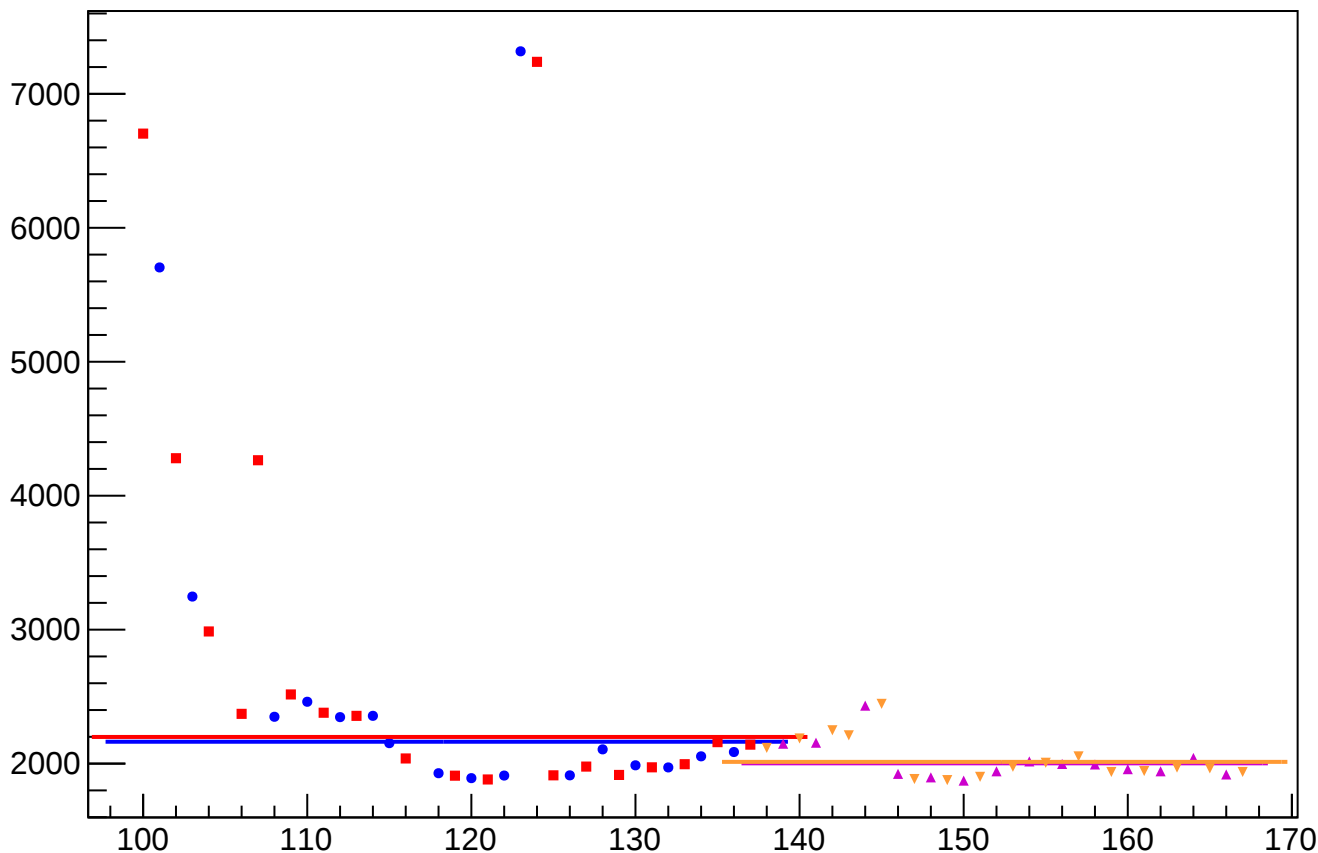
Left In: -1898.434 $\pm$ 609.563 χ^2 /NDF:22.4/13

+ sign 2533.576 $\pm$ 484.637 χ^2 /NDF: 29.8/32

All: 392.308 $\pm$ 346.639 χ^2 /NDF: 112.7/65

- sign -1850.574 $\pm$ 496.003 χ^2 /NDF: 42.9/32

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

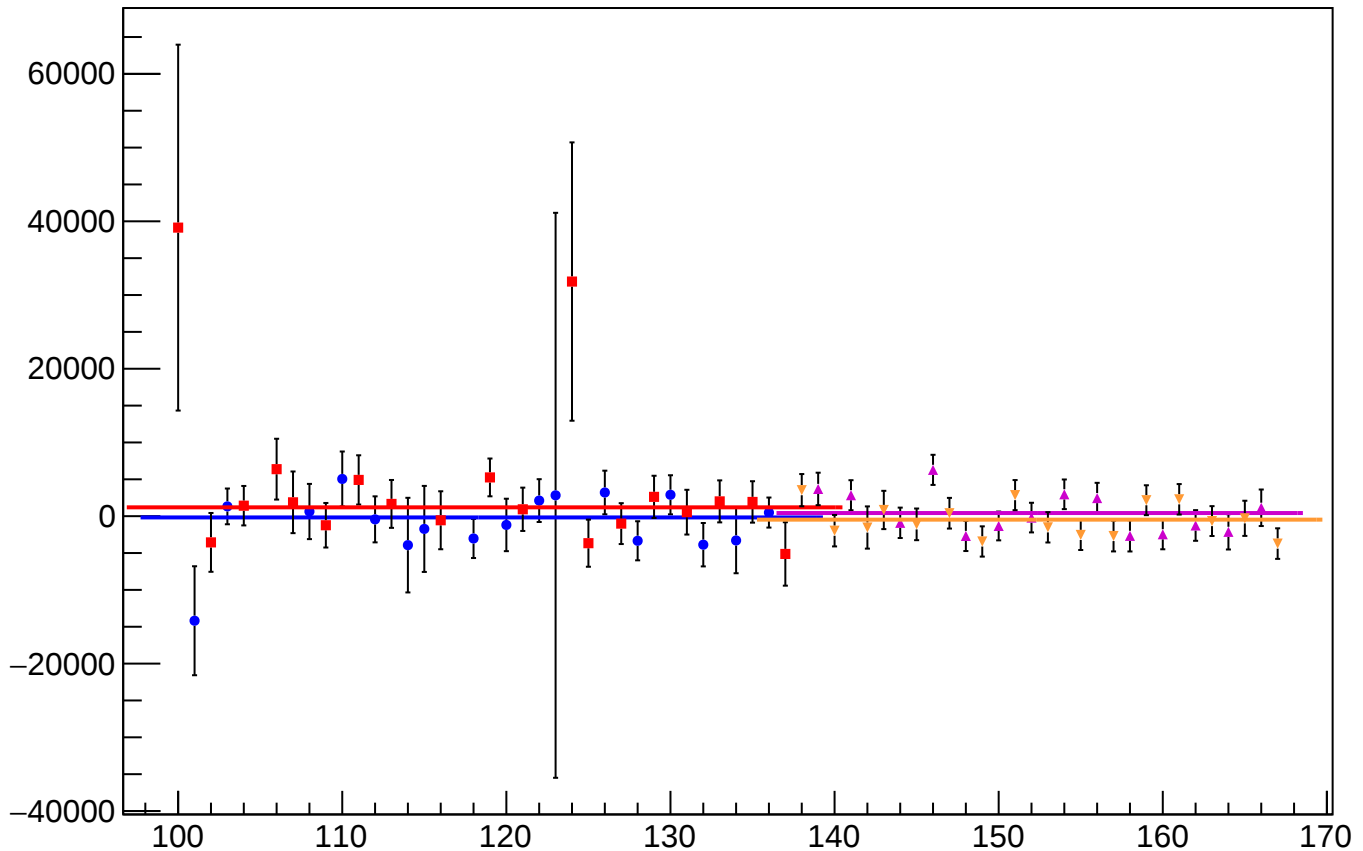
Left In: 2002.024+/-0.431 χ^2/NDF : 90708.0/13

+ sign 2060.361+/-0.343 χ^2/NDF : 862861.7/32

All: 2064.376+/-0.245 χ^2/NDF : 1827716.1/65

- sign 2068.581+/-0.351 χ^2/NDF : 964573.3/32

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

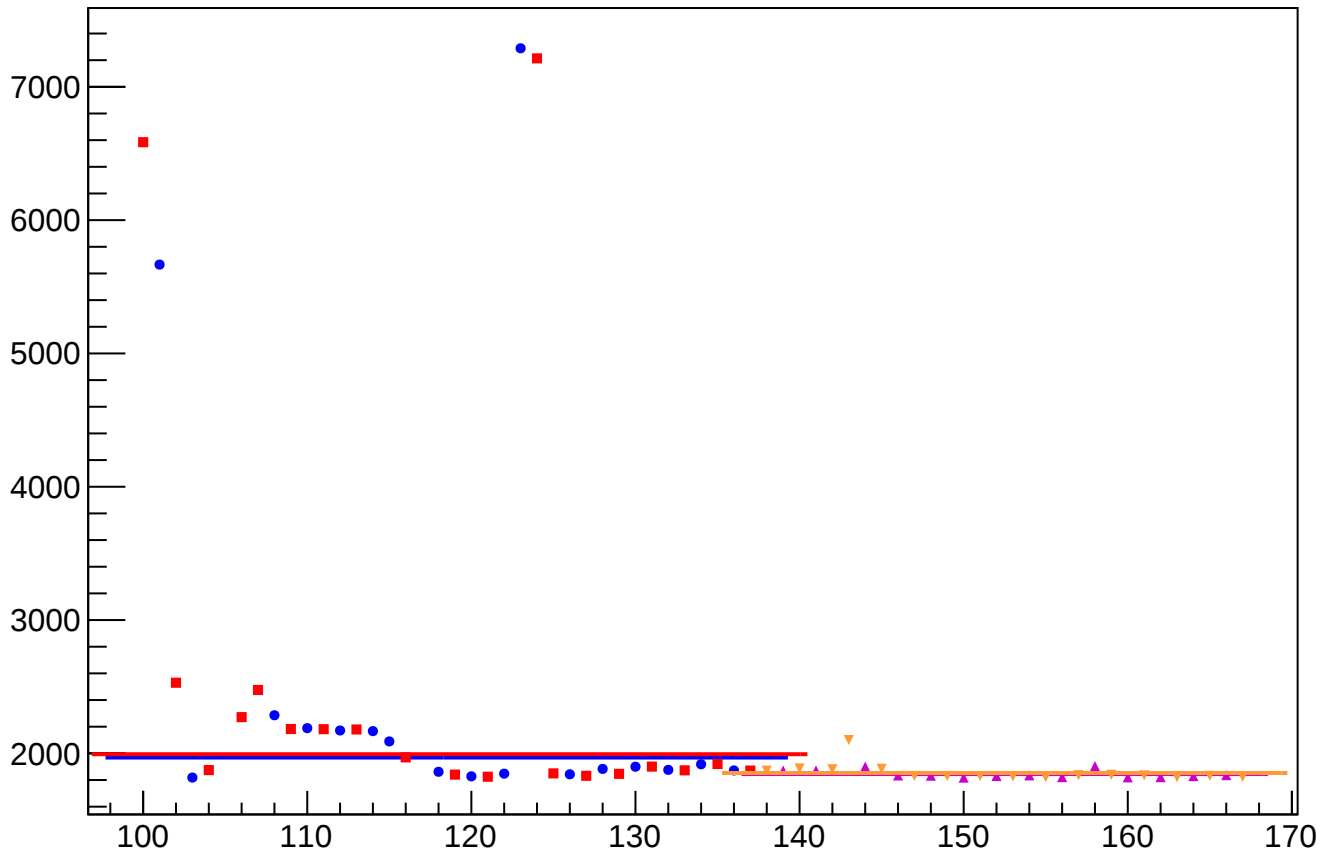
Left In: 426.030 ± 560.506 χ^2/NDF : 24.0/13

+ sign -374.970 ± 443.176 χ^2/NDF : 32.2/32

All: 149.919 ± 316.439 χ^2/NDF : 77.9/65

- sign 695.870 ± 451.980 χ^2/NDF : 42.8/32

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

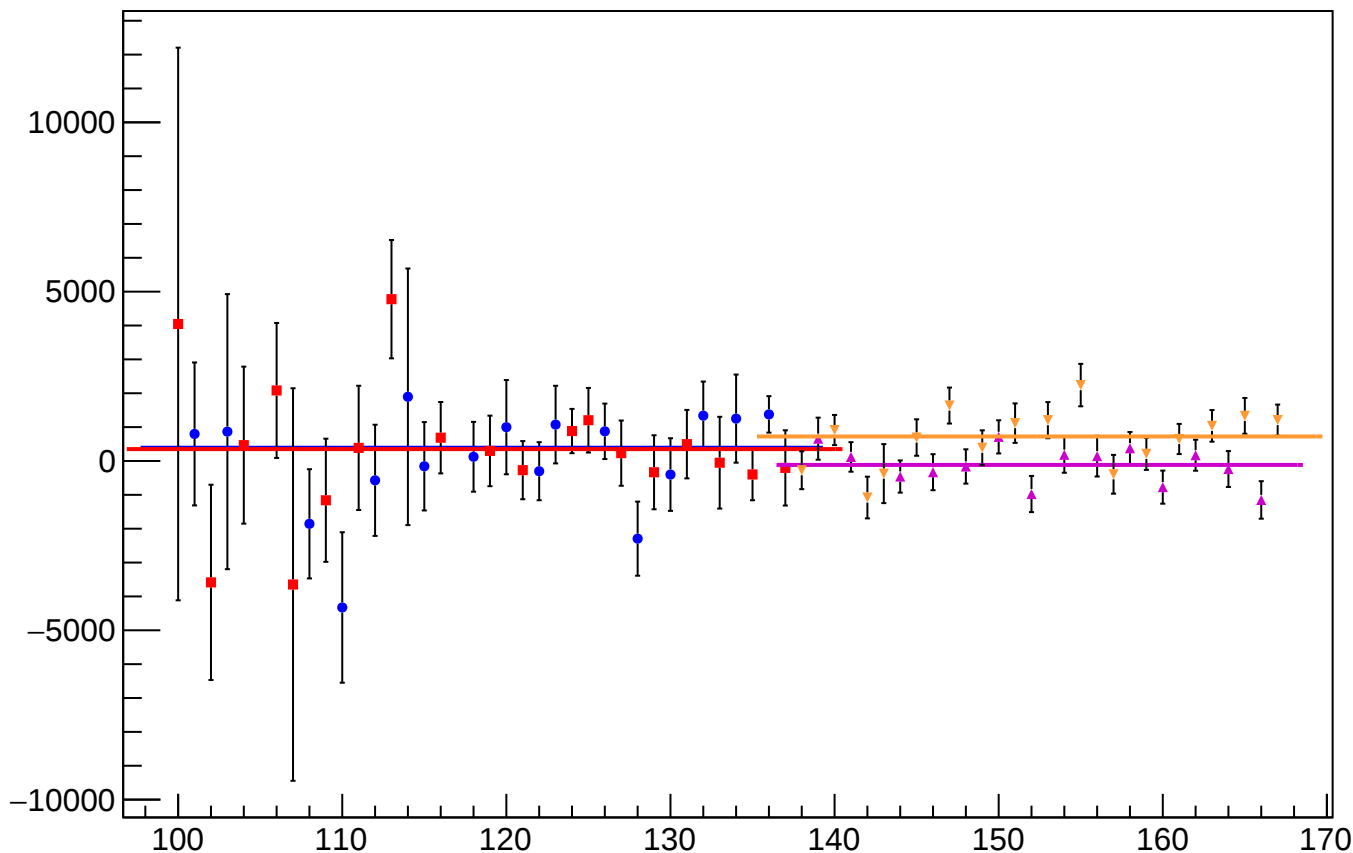
Left In: 1844.562 $\pm$ 0.396 χ^2 /NDF: 5228.6/13

+ sign 1889.812 $\pm$ 0.313 χ^2 /NDF: 655126.3/32

All: 1893.152 $\pm$ 0.224 χ^2 /NDF: 1066097.5/65

- sign 1896.627 $\pm$ 0.320 χ^2 /NDF: 410739.4/32

asym_at1_dd_correction_mean vs Slug



Right In: 390.923 $\pm$ 270.128 χ^2 /NDF: 20.0/16

Left Out: 723.637 $\pm$ 131.924 χ^2 /NDF:31.9/15

Right Out: 350.642 $\pm$ 266.097 χ^2 /NDF: 14.2/18

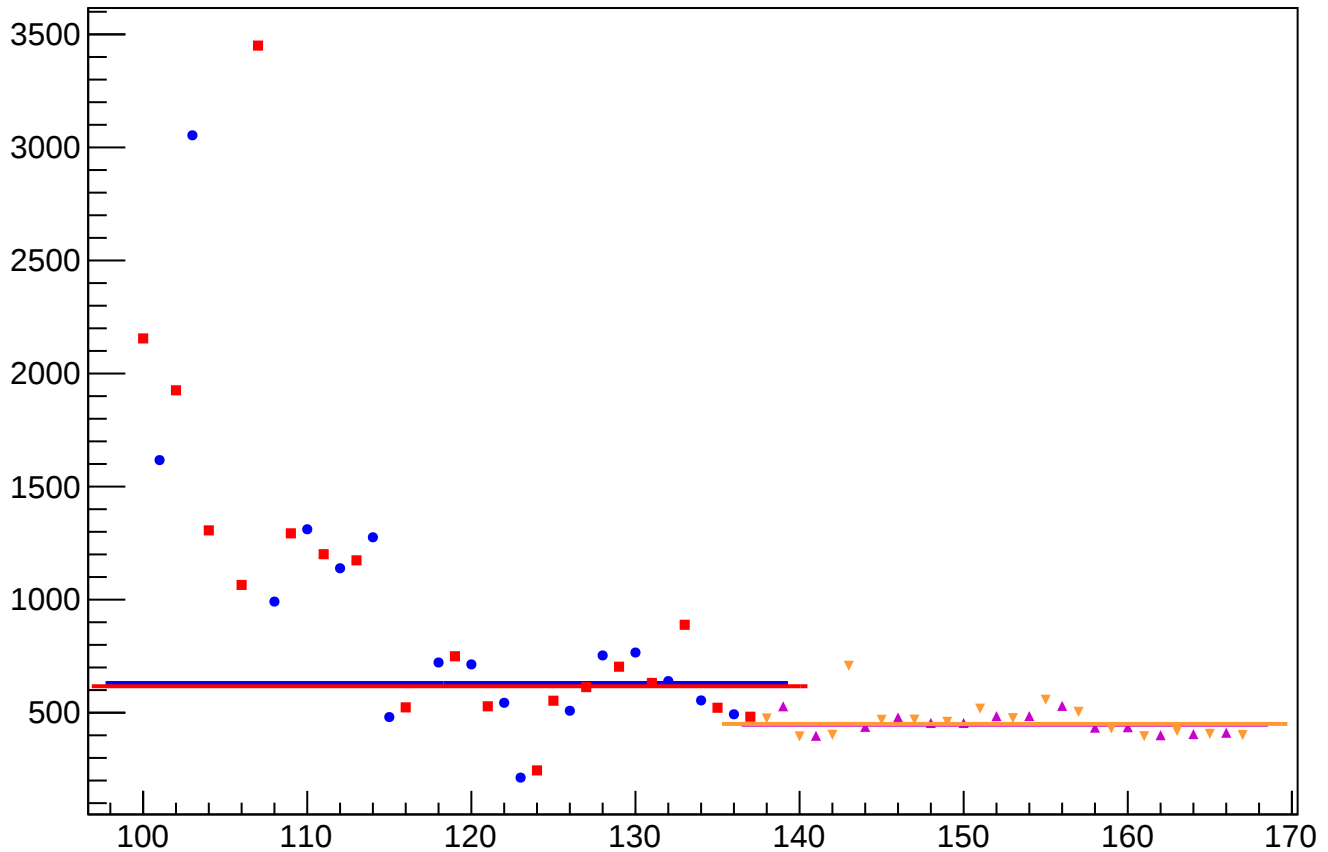
Left In: -116.730 $\pm$ 136.264 χ^2 /NDF:15.3/13

+ sign 659.564 $\pm$ 118.543 χ^2 /NDF: 53.2/32

All: 327.735 $\pm$ 84.776 χ^2 /NDF: 101.2/65

- sign -19.633 $\pm$ 121.286 χ^2 /NDF: 32.0/32

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

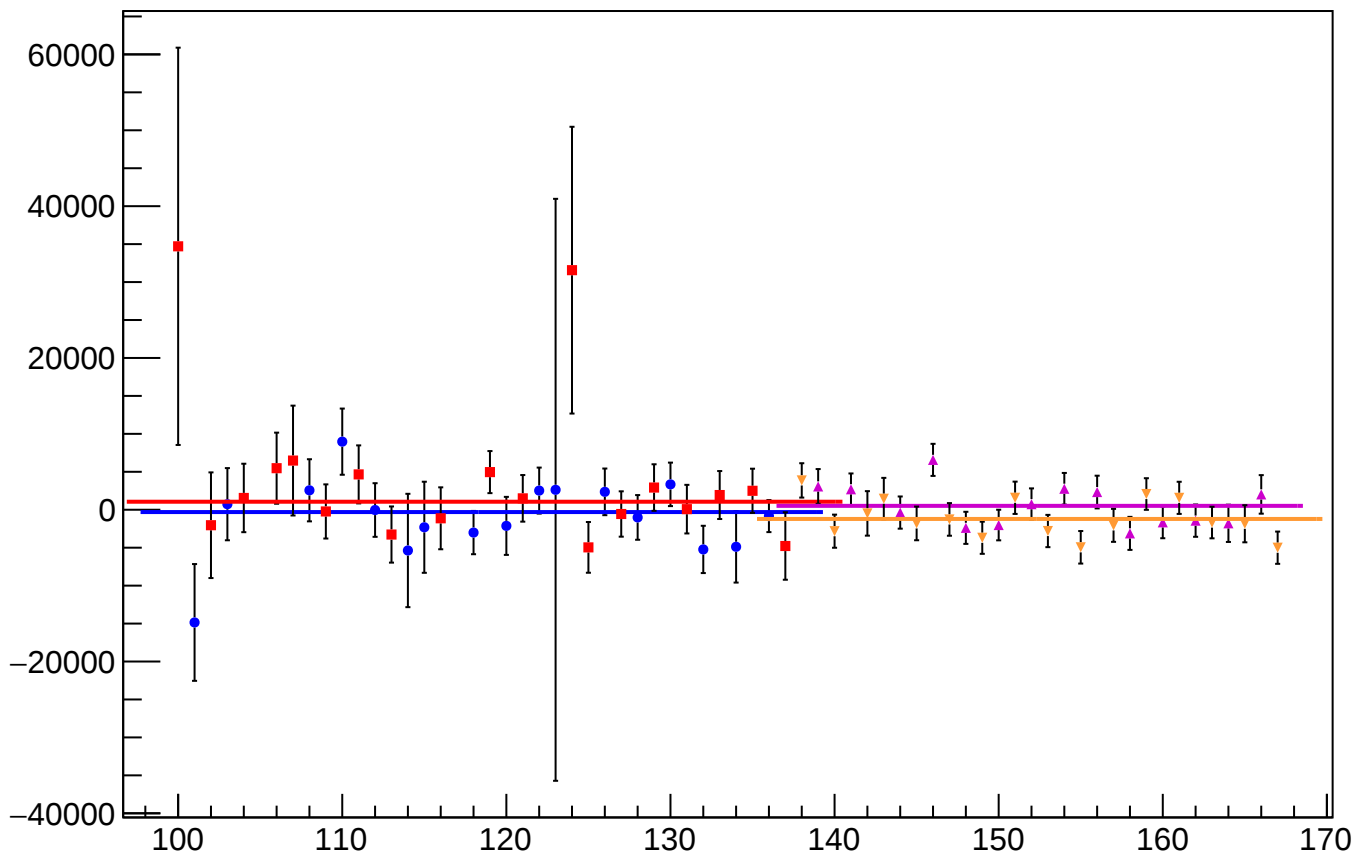
Left In: 446.876 $\pm$ 0.096 χ^2 /NDF: 171349.1/13

+ sign 485.235 $\pm$ 0.084 χ^2 /NDF: 3398720.5/32

All: 483.765 $\pm$ 0.060 χ^2 /NDF: 7020772.0/65

- sign 482.227 $\pm$ 0.086 χ^2 /NDF: 3621422.6/32

asym_at1_dd_mean vs Slug



Right In: -305.713 ± 871.922 $\chi^2/\text{NDF}: 17.2/16$

Left Out: -1213.310 ± 555.463 $\chi^2/\text{NDF}: 21.0/15$

Right Out: 1056.856 ± 867.445 $\chi^2/\text{NDF}: 16.6/18$

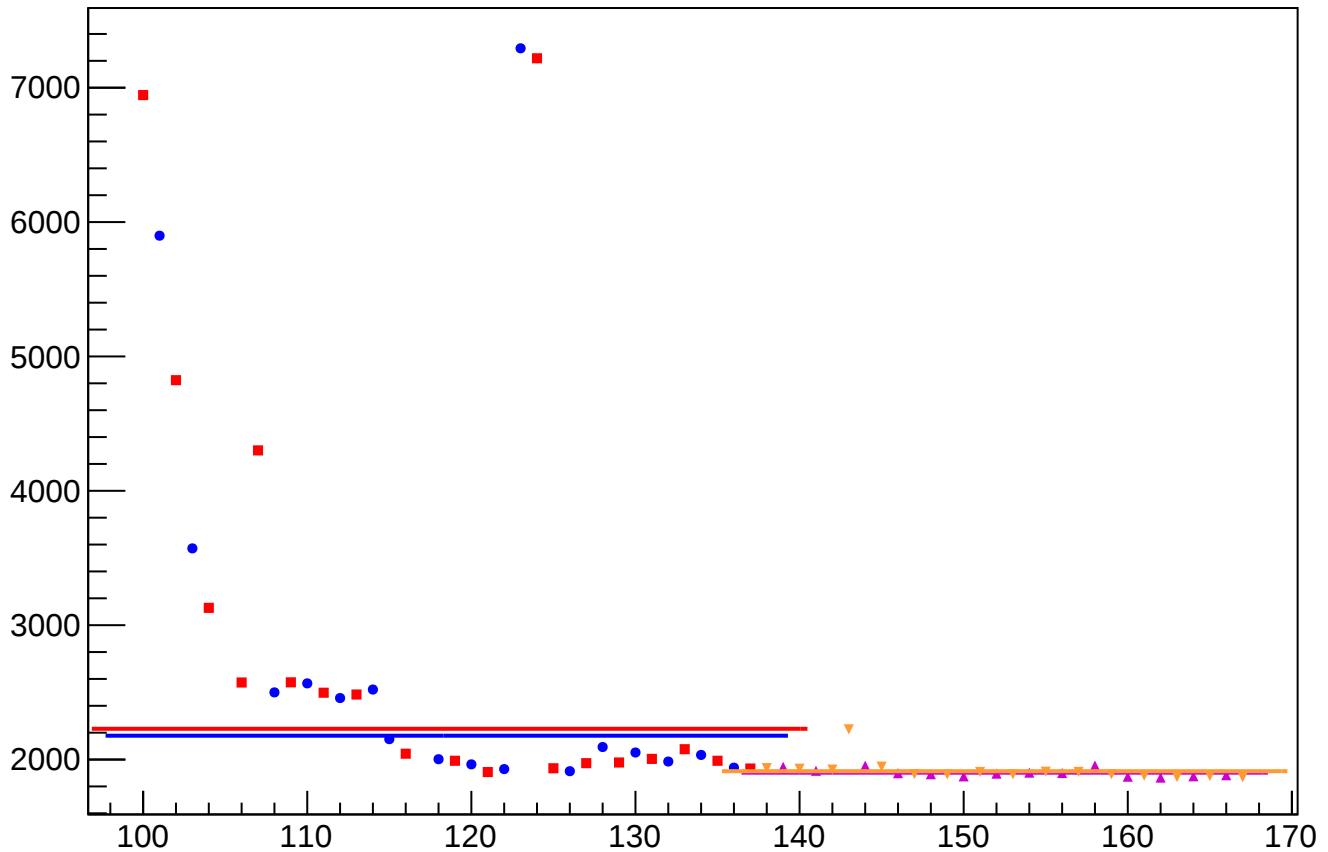
Left In: 513.049 ± 577.974 $\chi^2/\text{NDF}: 22.0/13$

+ sign -951.304 ± 468.476 $\chi^2/\text{NDF}: 38.9/32$

All: -157.023 ± 335.598 $\chi^2/\text{NDF}: 83.7/65$

- sign 680.245 ± 480.986 $\chi^2/\text{NDF}: 38.9/32$

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

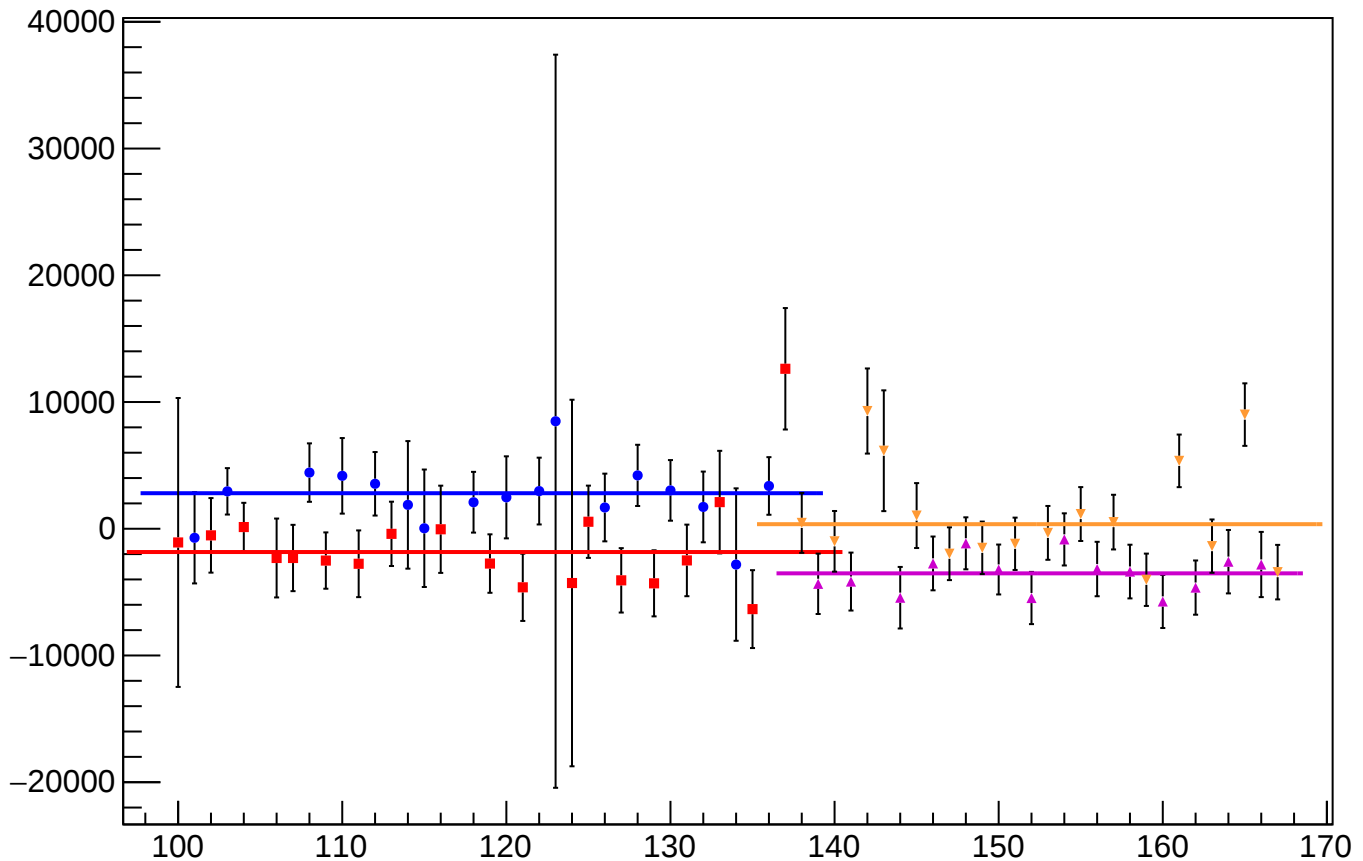
Left In: 1902.249 $\pm$ 0.409 χ^2 /NDF:5014.7/13

+ sign 1989.646 $\pm$ 0.331 χ^2 /NDF: 963481.4/32

All: 1996.008 $\pm$ 0.237 χ^2 /NDF: 2061610.0/65

- sign 2002.714 $\pm$ 0.340 χ^2 /NDF: 1097371.0/32

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

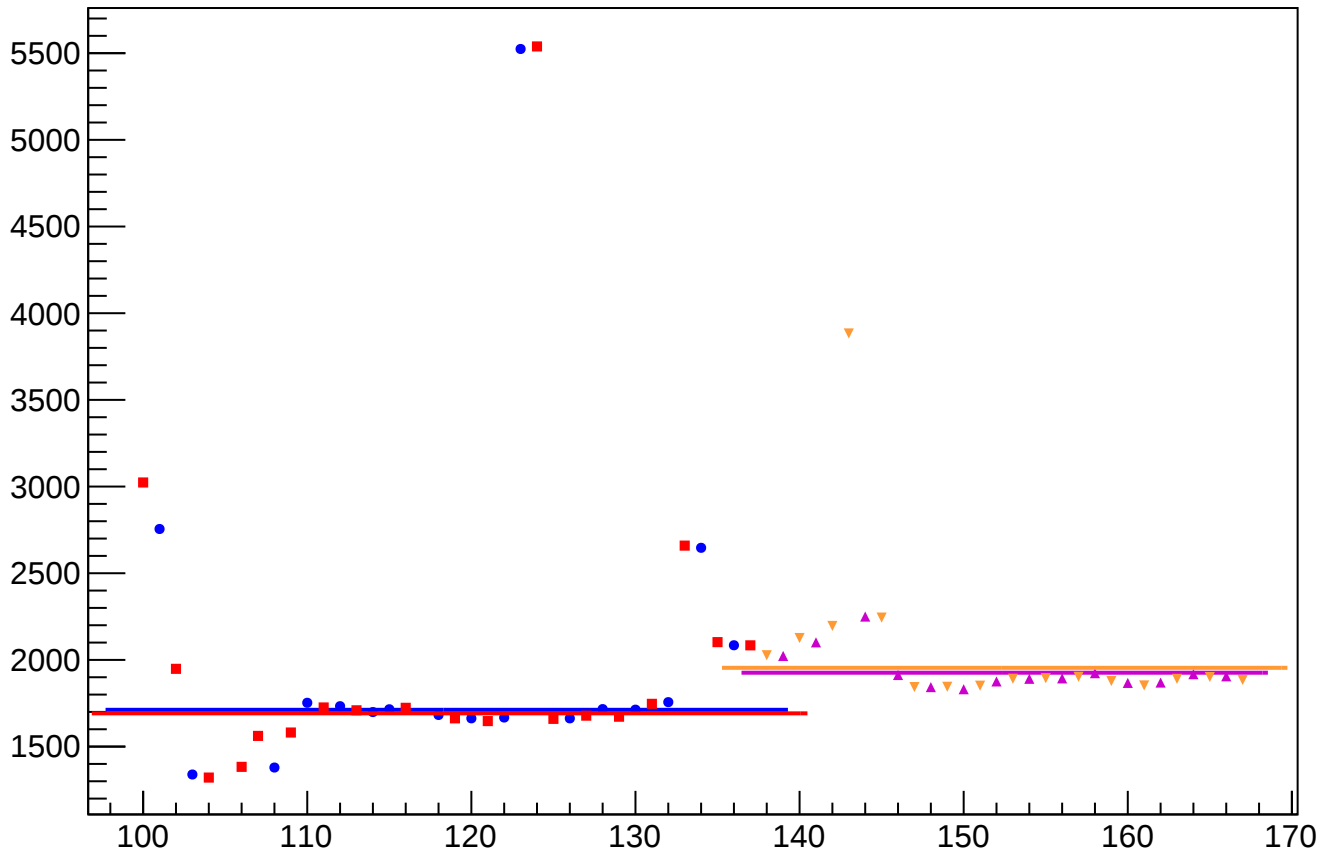
Left In: -3519.257 ± 584.808 χ^2/NDF : 6.5/13

+ sign 1372.999 ± 436.846 χ^2/NDF : 49.7/32

All: -702.737 ± 308.712 χ^2/NDF : 123.1/65

- sign -2773.528 ± 436.325 χ^2/NDF : 28.3/32

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

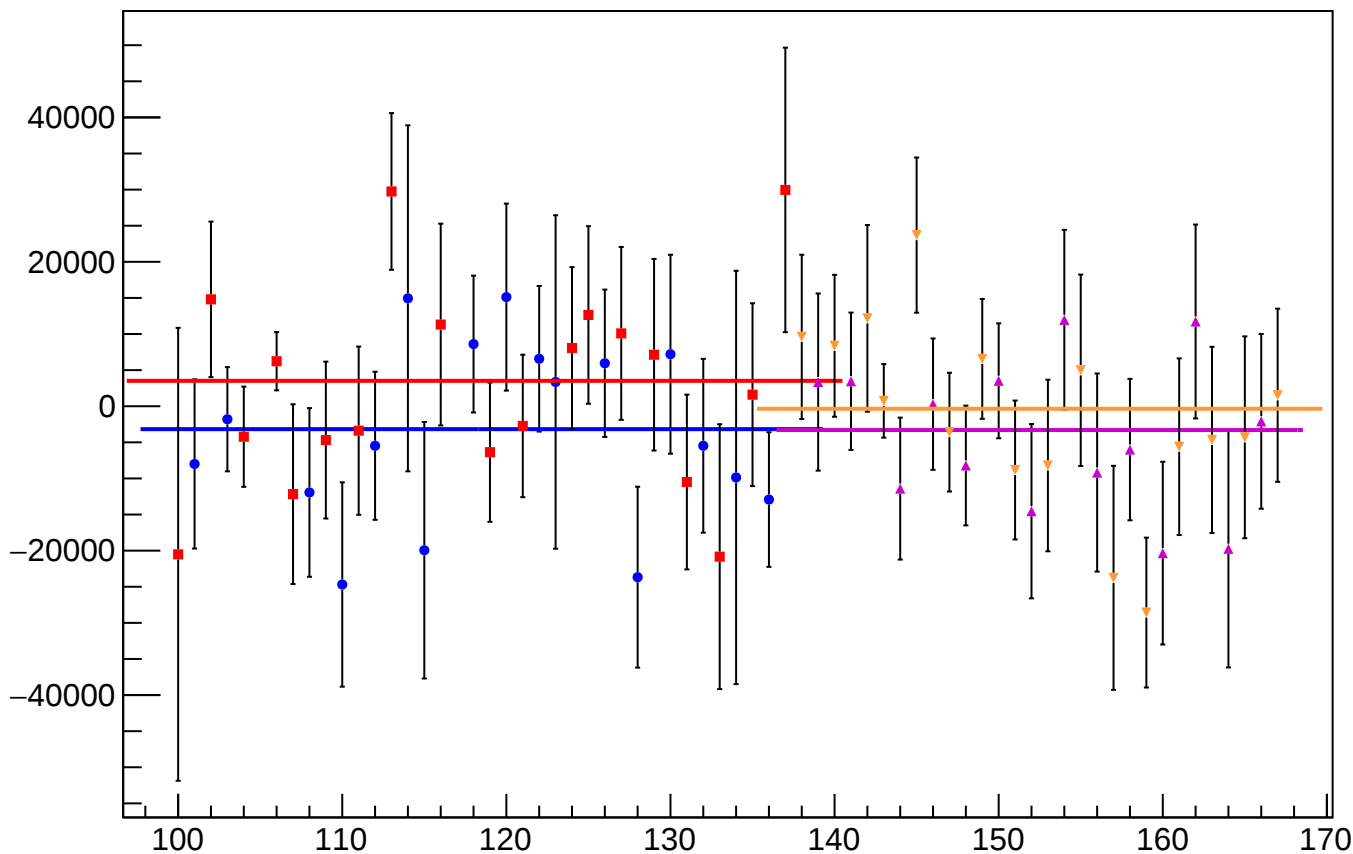
Left In: 1926.213+/-0.414 χ^2/NDF : 64017.3/13

+ sign 1854.041+/-0.309 χ^2/NDF : 990801.9/32

All: 1838.134+/-0.218 χ^2/NDF : 1657566.2/65

- sign 1822.265+/-0.309 χ^2/NDF : 661466.9/32

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 $\pm$ 2851.982 χ^2 /NDF: 14.4/16

Left Out: -349.232 $\pm$ 2481.361 χ^2 /NDF: 19.8/15

+ sign -1565.938 $\pm$ 1872.001 χ^2 /NDF: 34.8/32

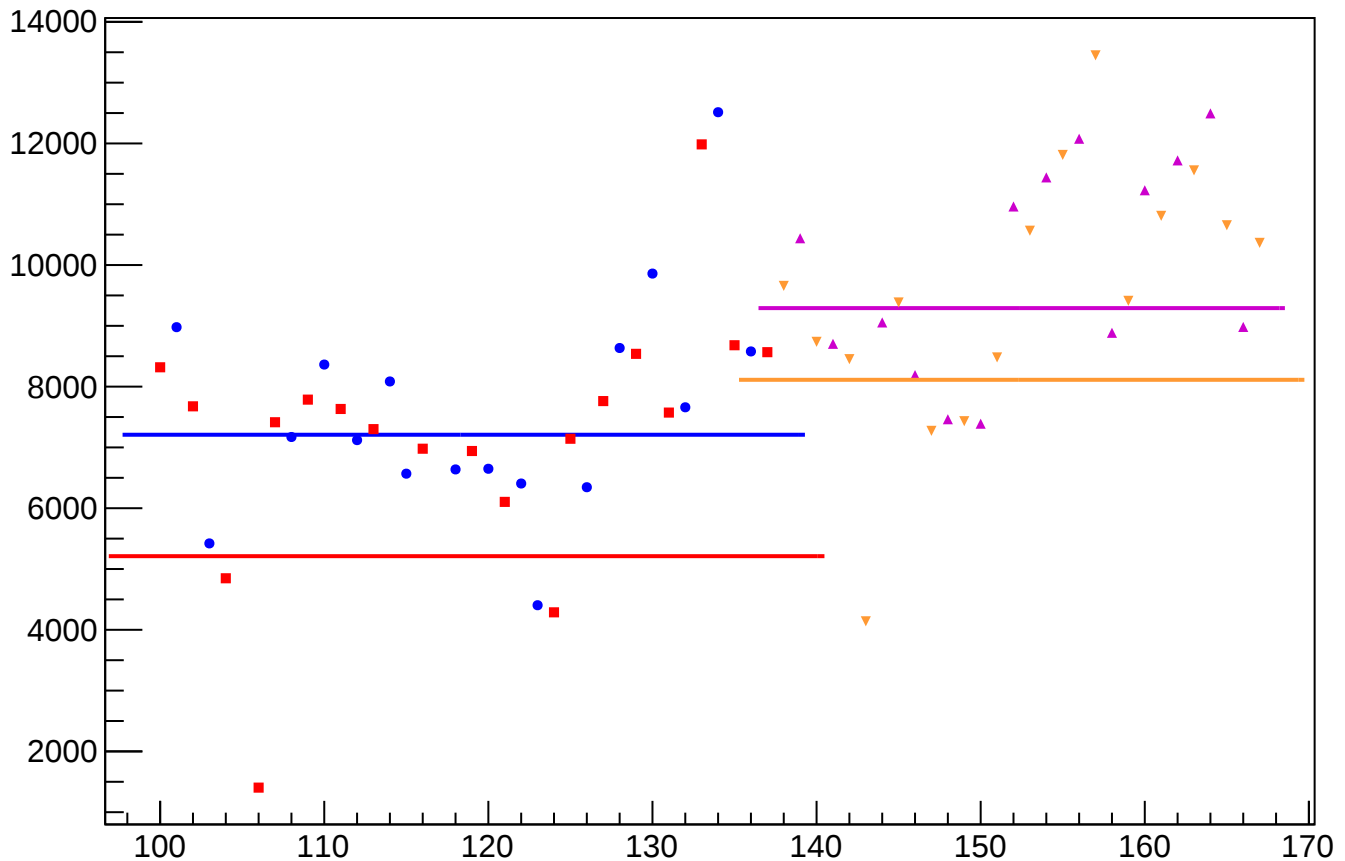
Right Out: 3520.105 $\pm$ 2266.532 χ^2 /NDF: 19.5/18

All: -270.870 $\pm$ 1289.007 χ^2 /NDF: 68.1/65

Left In: -3294.570 $\pm$ 2864.923 χ^2 /NDF: 9.4/13

- sign 896.782 $\pm$ 1777.528 χ^2 /NDF: 32.4/32

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

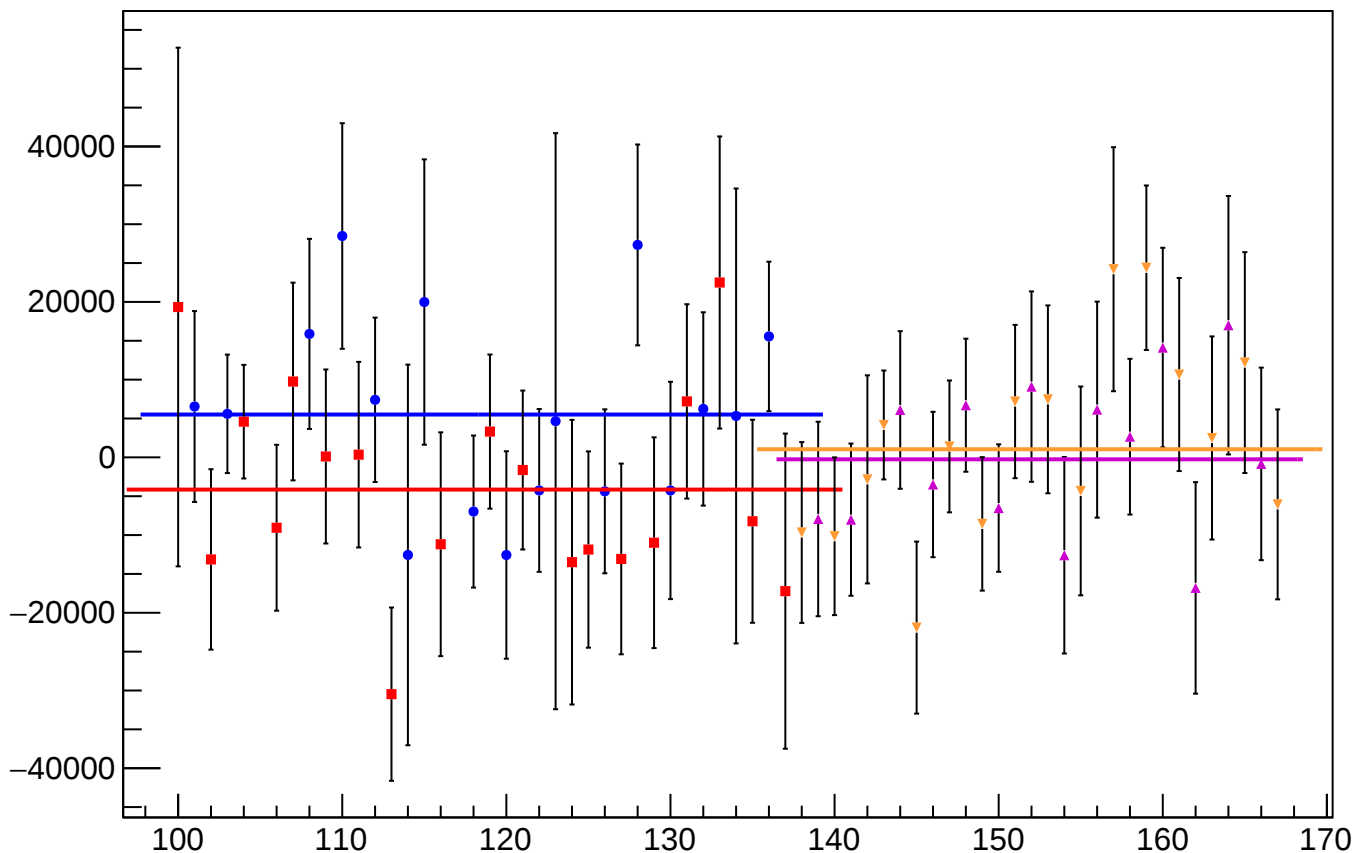
Left In: 9291.437+/-2.026 χ^2/NDF : 640476.6/13

+ sign 7722.897+/-1.324 χ^2/NDF : 2798435.9/32

All: 7228.049+/-0.911 χ^2/NDF : 9396631.4/65

- sign 6781.888+/-1.257 χ^2/NDF : 6332439.4/32

asym_at2_avg_mean vs Slug



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: 1043.707 $\pm$ 2688.959 χ^2 /NDF: 17.3/15

Right Out: -4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

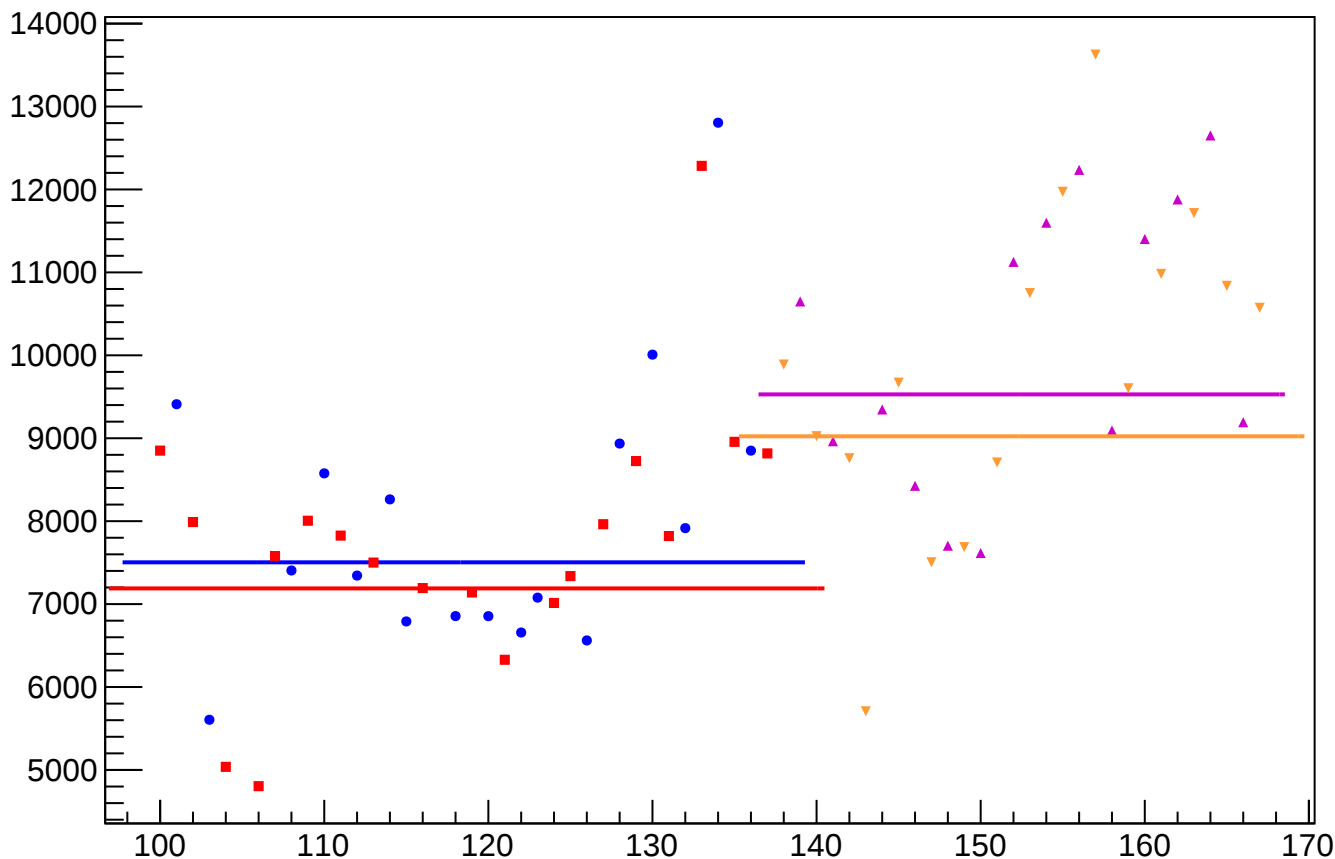
Left In: -253.703 $\pm$ 2934.206 χ^2 /NDF: 8.4/13

+ sign 3054.548 $\pm$ 1993.665 χ^2 /NDF: 32.7/32

All: 416.129 $\pm$ 1419.635 χ^2 /NDF: 61.0/65

- sign -2297.733 $\pm$ 2021.967 χ^2 /NDF: 24.8/32

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

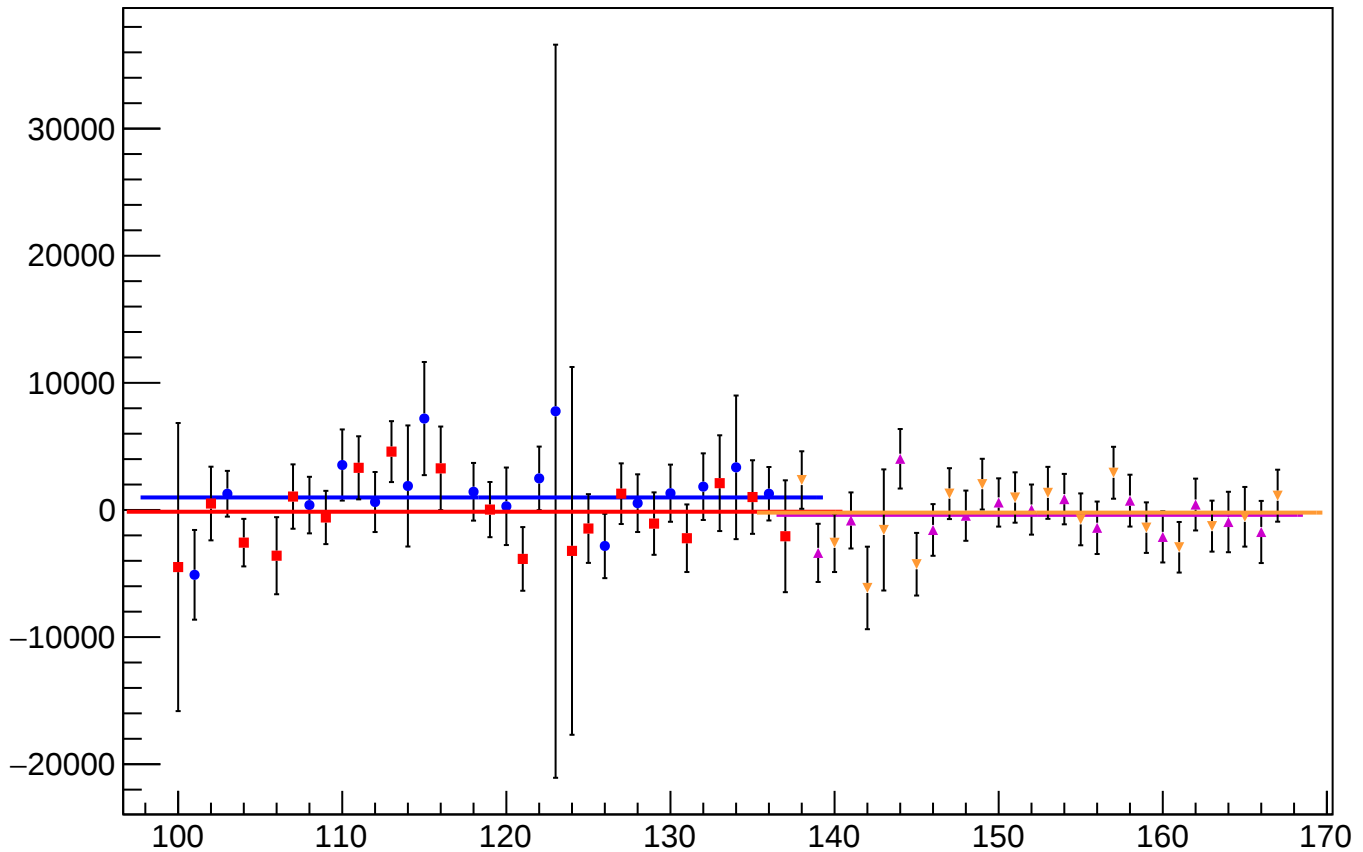
Left In: 9528.807+/-2.075 χ^2/NDF : 592444.4/13

+ sign 8339.012+/-1.410 χ^2/NDF : 1810759.7/32

All: 8319.808+/-1.004 χ^2/NDF : 3629089.1/65

- sign 8300.056+/-1.430 χ^2/NDF : 1817953.0/32

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

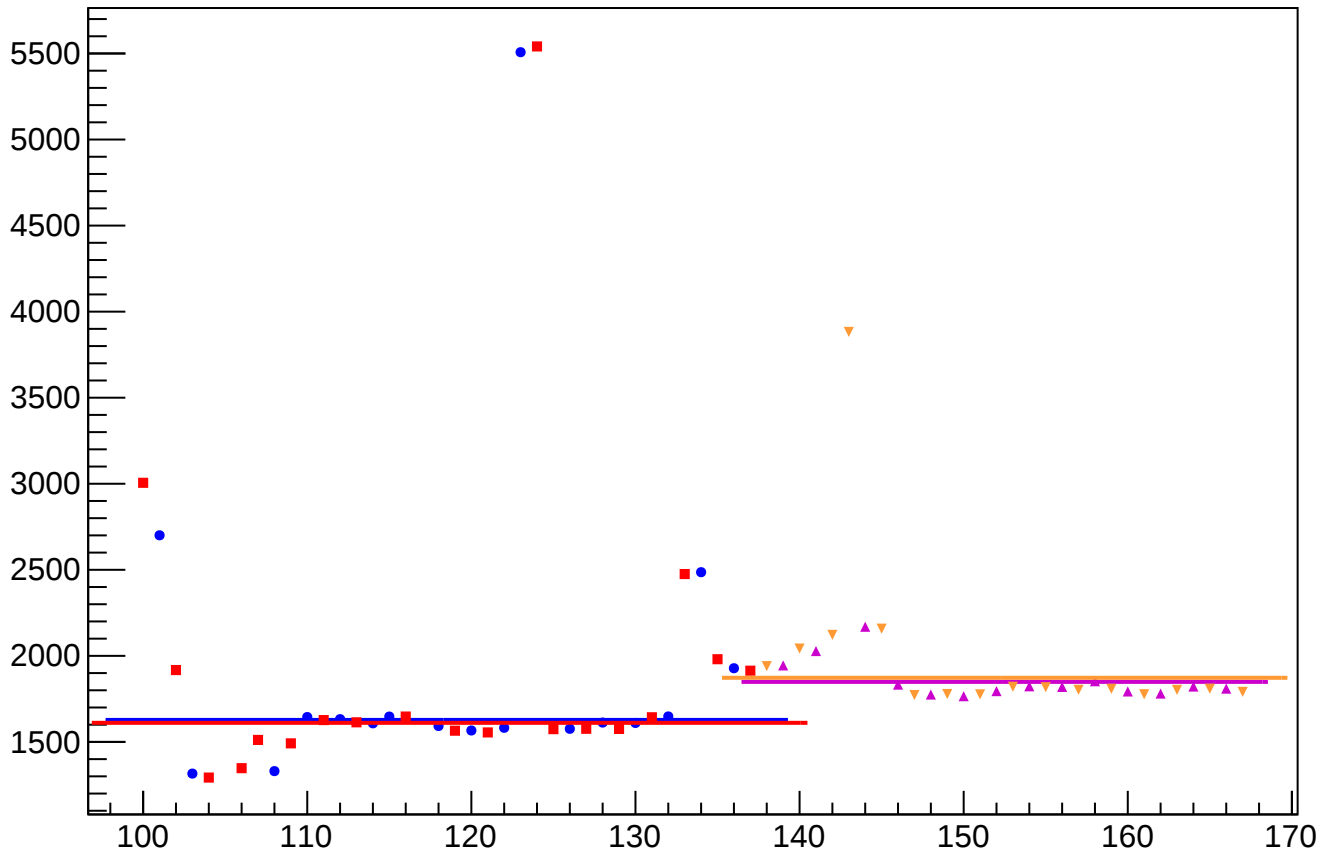
Left In: -383.515 ± 561.372 χ^2/NDF : 8.1/13

+ sign 292.003 ± 417.242 χ^2/NDF : 27.7/32

All: 9.034 ± 295.022 χ^2/NDF : 51.5/65

- sign -273.887 ± 417.207 χ^2/NDF : 22.9/32

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836+/-0.456 χ^2/NDF : 407106.6/16

Left Out: 1872.644+/-0.387 χ^2/NDF : 440336.3/15

Right Out: 1610.948+/-0.441 χ^2/NDF : 433960.8/18

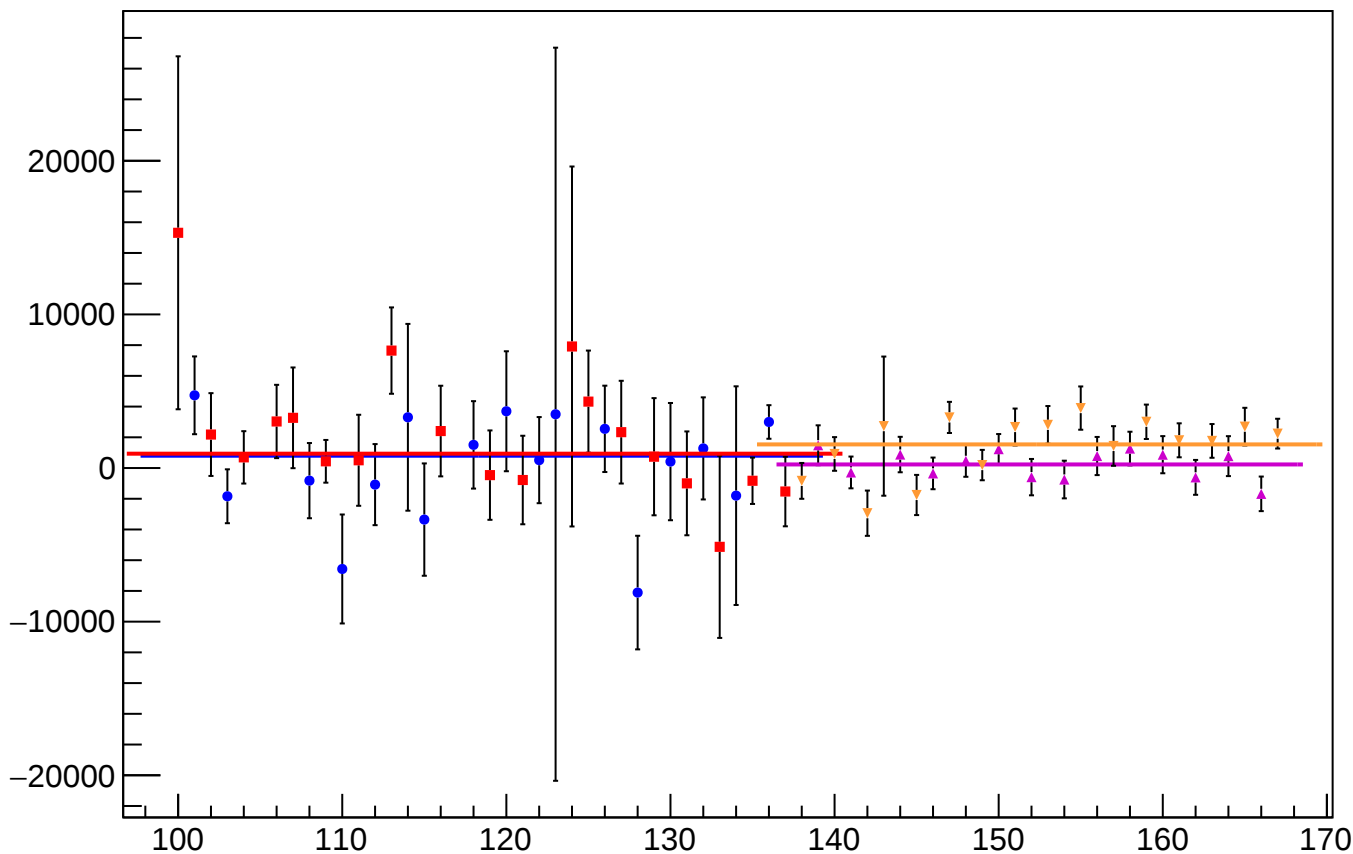
Left In: 1848.834+/-0.397 χ^2/NDF : 67606.7/13

+ sign 1770.083+/-0.295 χ^2/NDF : 1015044.7/32

All: 1756.211+/-0.209 χ^2/NDF : 1681808.9/65

- sign 1742.340+/-0.295 χ^2/NDF : 662342.7/32

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

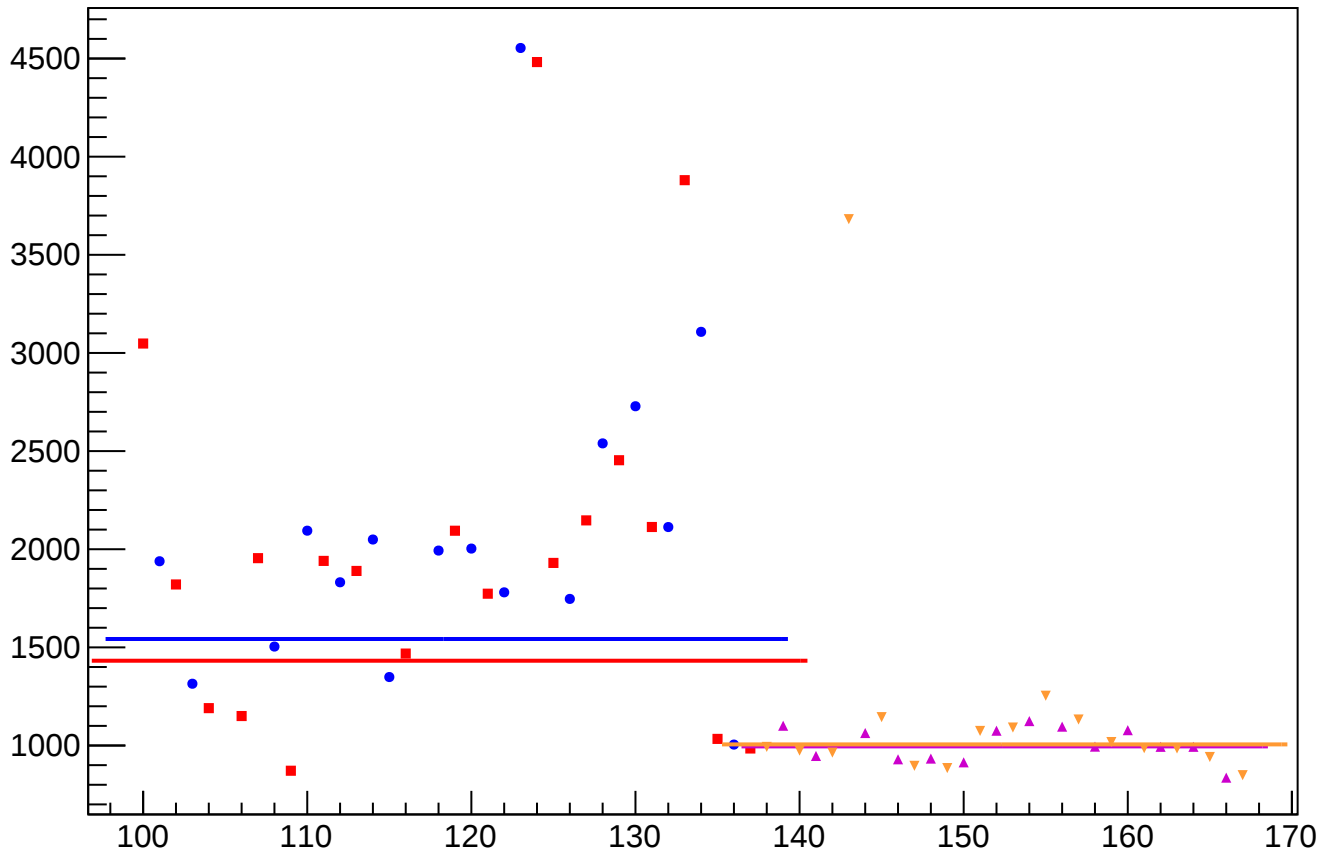
Left In: 233.391+/-303.126 χ^2/NDF : 9.0/13

+ sign 1404.538+/-269.177 χ^2/NDF : 56.5/32

All: 892.934+/-190.485 χ^2/NDF : 89.1/65

- sign 379.737+/-269.596 χ^2/NDF : 25.4/32

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

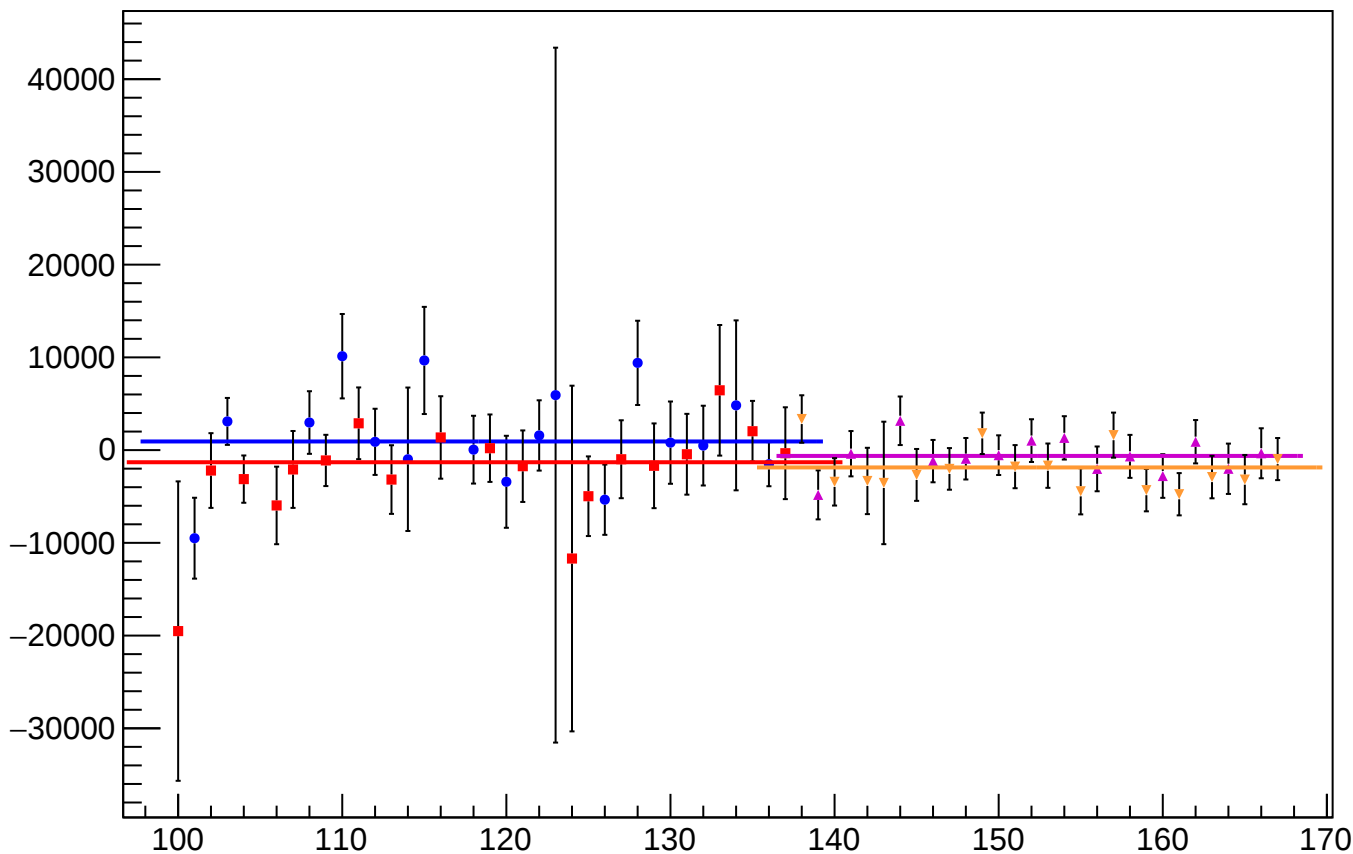
Right Out: 1432.013 $\pm$ 0.417 χ^2 /NDF: 1823809.4/18

All: 1094.996 $\pm$ 0.135 χ^2 /NDF: 6246488.0/65

Left In: 995.523 $\pm$ 0.214 χ^2 /NDF: 147208.2/13

- sign 1086.745 $\pm$ 0.191 χ^2 /NDF: 2837696.4/32

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

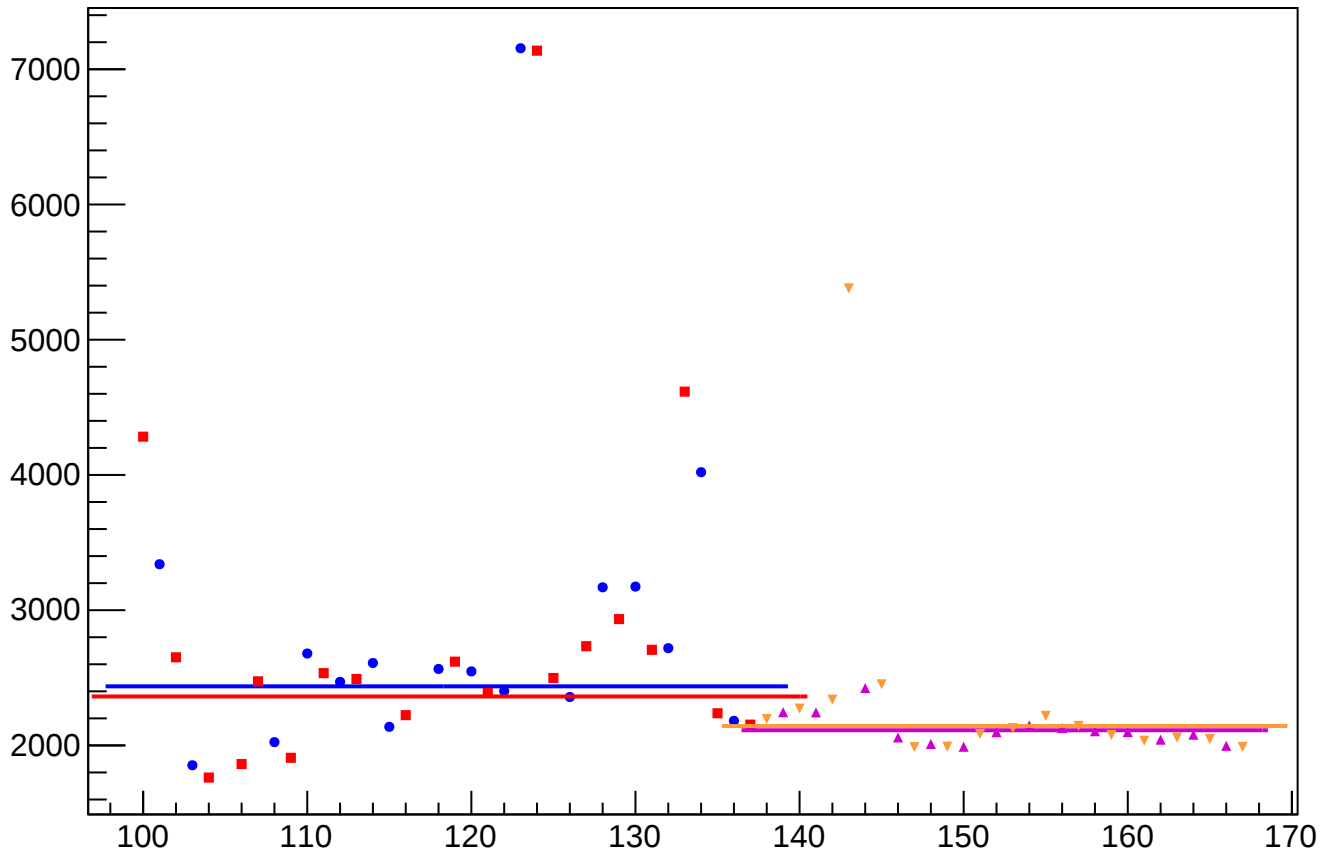
Left In: -626.283 ± 641.133 χ^2/NDF : 7.8/13

+ sign -1038.478 ± 526.858 χ^2/NDF : 41.6/32

All: -942.922 ± 372.599 χ^2/NDF : 58.3/65

- sign -847.310 ± 527.012 χ^2/NDF : 16.6/32

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

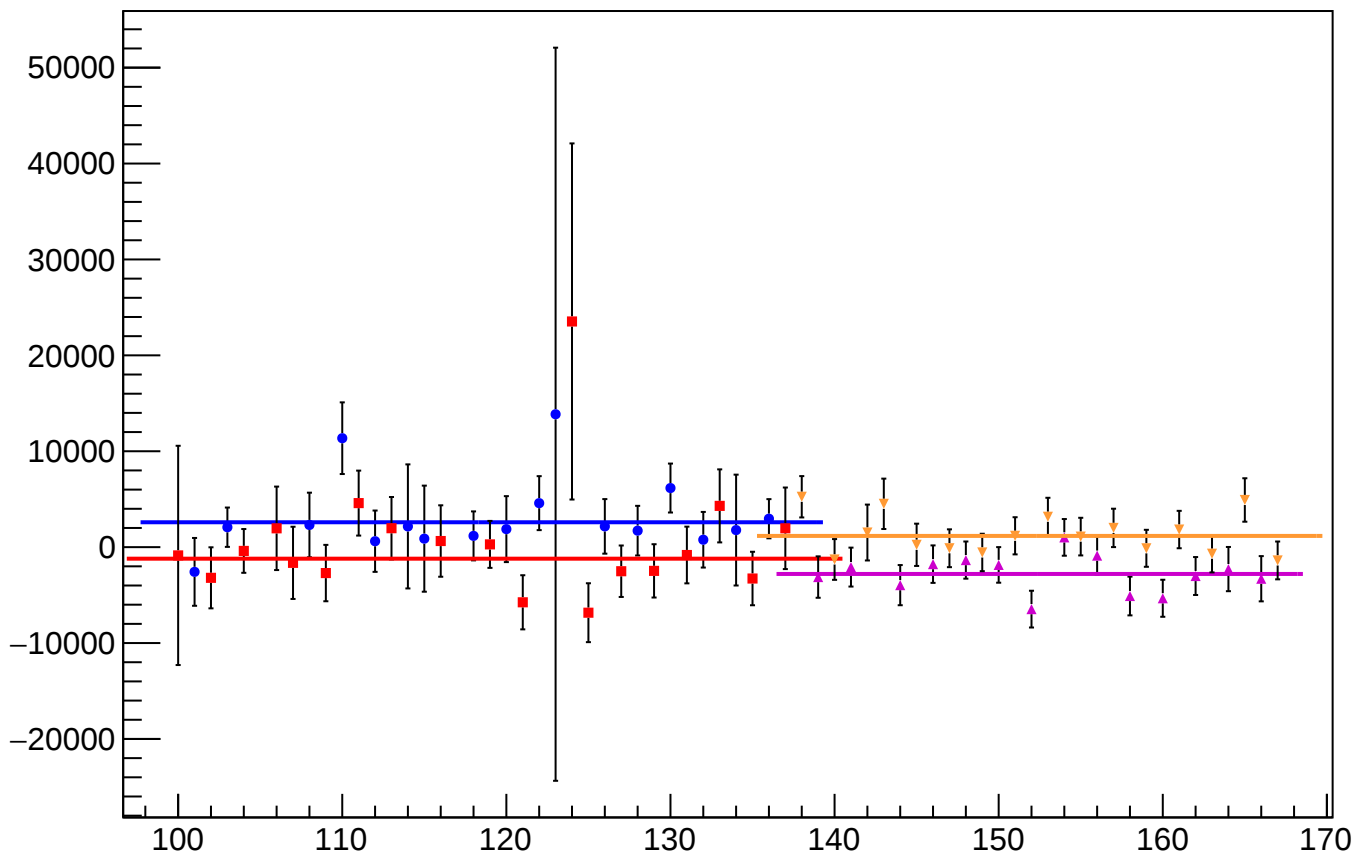
Left In: 2112.088+/-0.453 χ^2/NDF : 57480.5/13

+ sign 2230.284+/-0.373 χ^2/NDF : 1158007.9/32

All: 2211.697+/-0.263 χ^2/NDF : 1974775.7/65

- sign 2193.100+/-0.373 χ^2/NDF : 811788.2/32

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

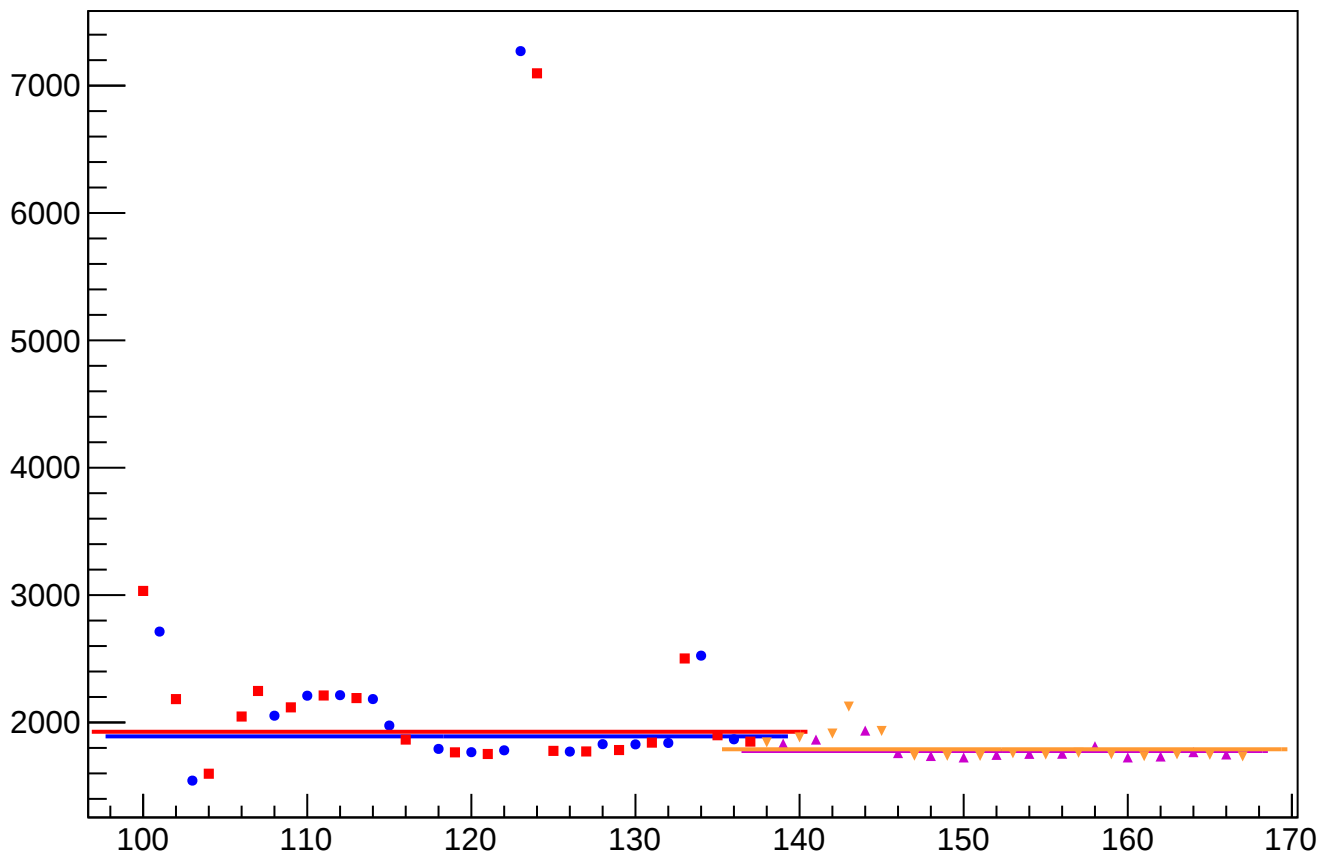
Left In: -2795.387 ± 539.269 χ^2/NDF : 13.2/13

+ sign 1638.689 ± 425.803 χ^2/NDF : 29.2/32

All: -257.142 ± 304.542 χ^2/NDF : 103.2/65

- sign -2242.522 ± 435.743 χ^2/NDF : 33.5/32

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

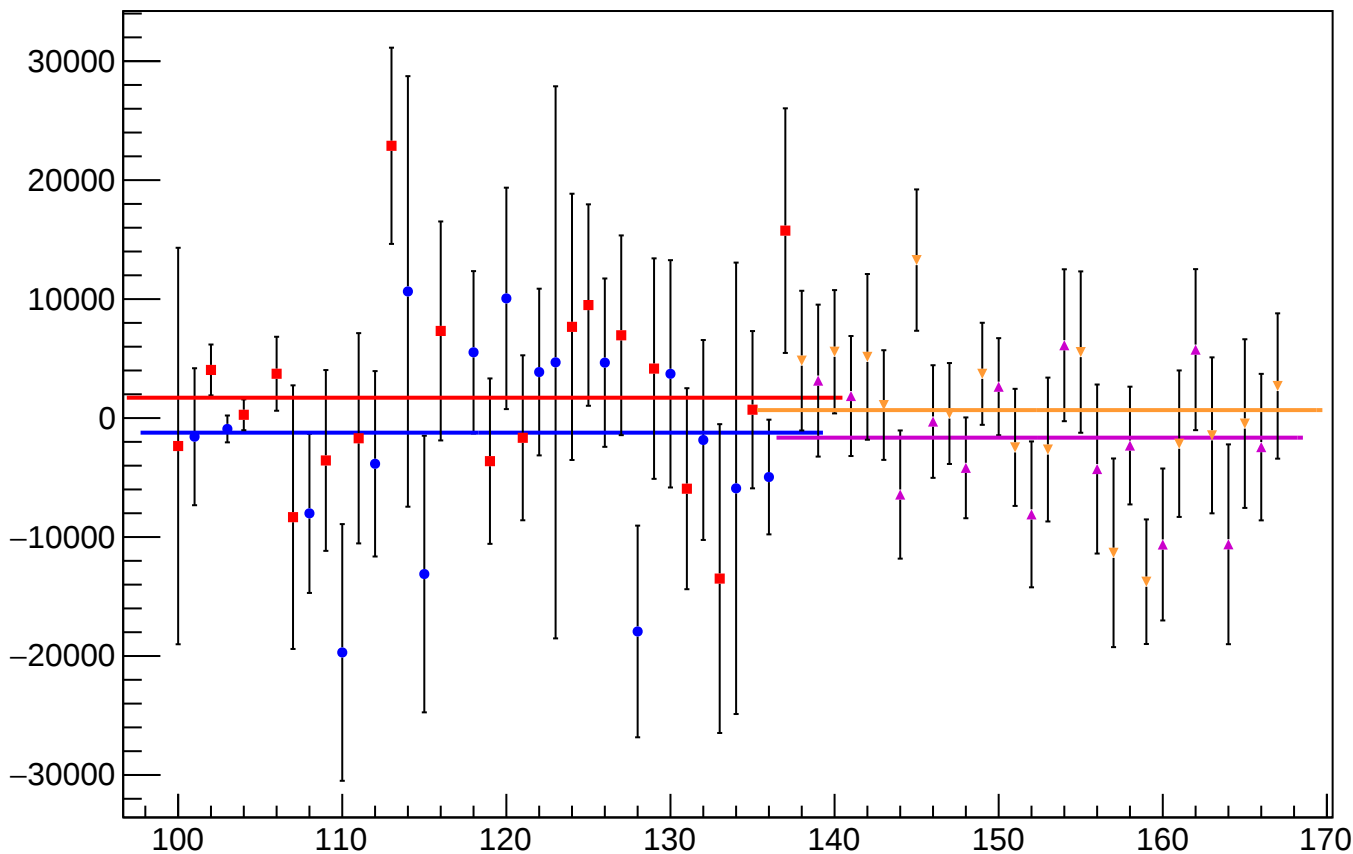
Left In: 1775.893 ± 0.381 χ^2/NDF : 23804.8/13

+ sign 1822.747 ± 0.301 χ^2/NDF : 375089.0/32

All: 1825.525 ± 0.215 χ^2/NDF : 815902.8/65

- sign 1828.431 ± 0.308 χ^2/NDF : 440639.6/32

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

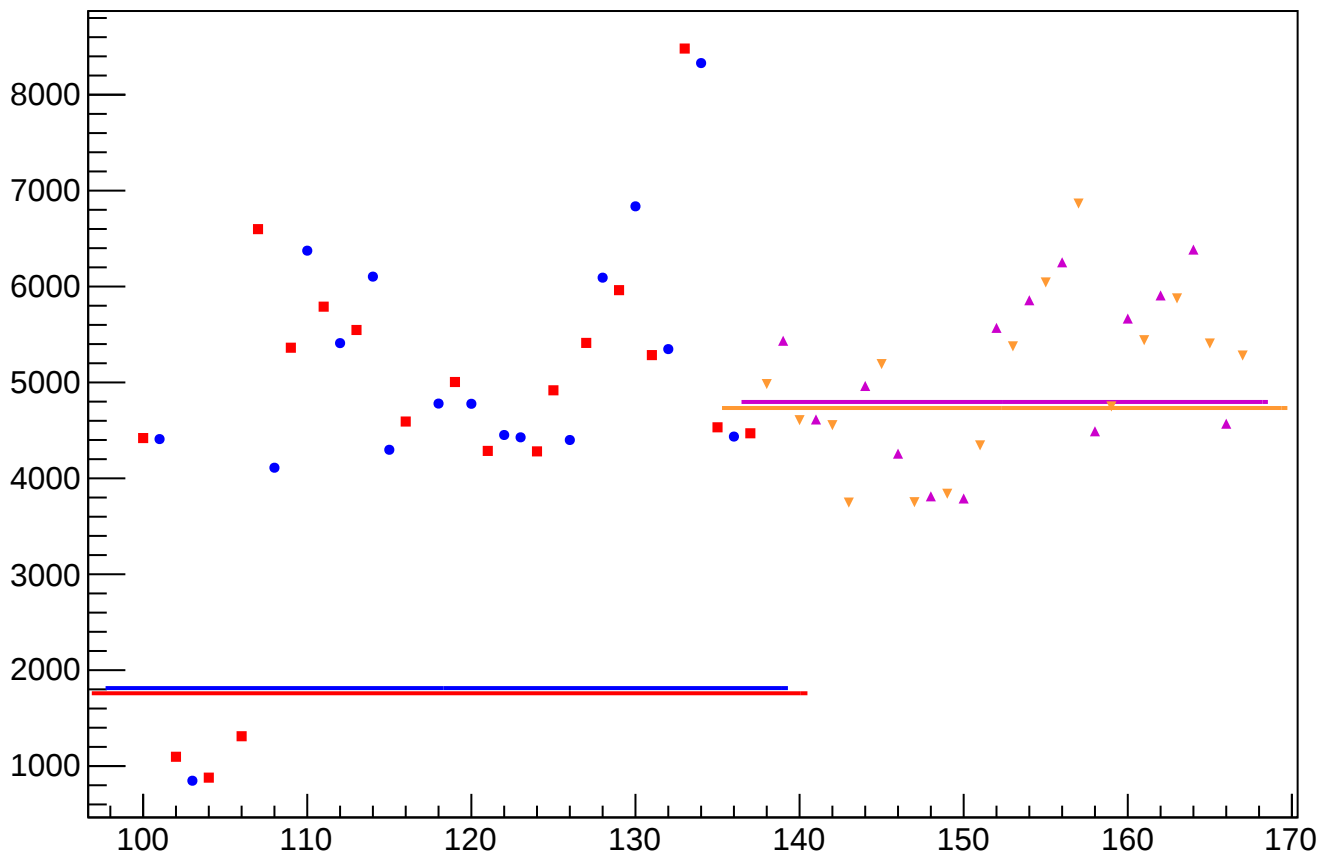
Left In: -1647.027 $\pm$ 1478.631 χ^2 /NDF: 10.4/13

+ sign -598.398 $\pm$ 805.076 χ^2 /NDF: 33.4/32

All: 81.254 $\pm$ 565.398 χ^2 /NDF: 66.8/65

- sign 742.703 $\pm$ 794.221 χ^2 /NDF: 31.9/32

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

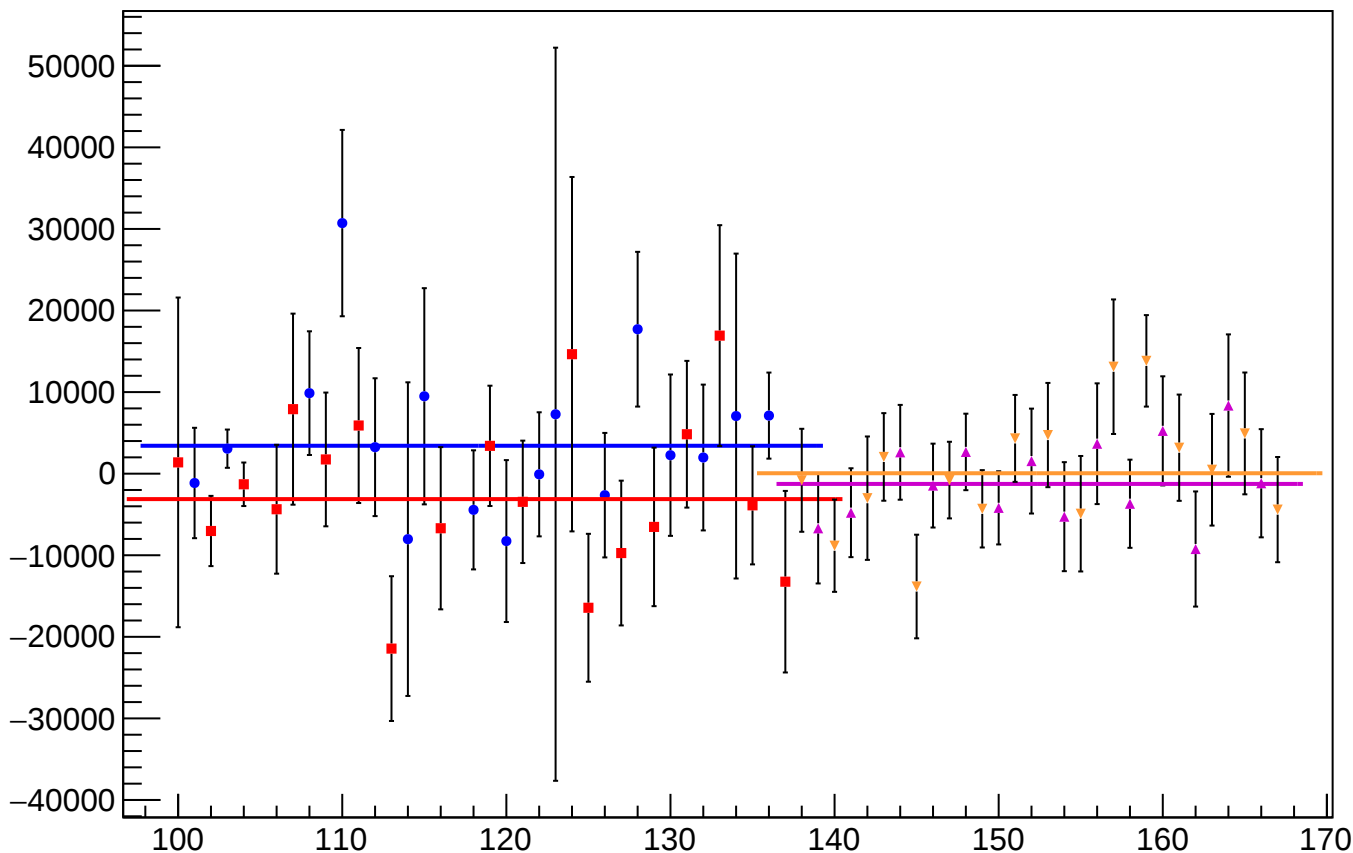
Left In: 4796.518+/-1.046 χ^2/NDF : 623834.0/13

+ sign 2781.030+/-0.569 χ^2/NDF : 12958988.9/32

All: 2707.254+/-0.400 χ^2/NDF : 25933537.4/6

- sign 2635.454+/-0.562 χ^2/NDF : 12941408.0/32

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

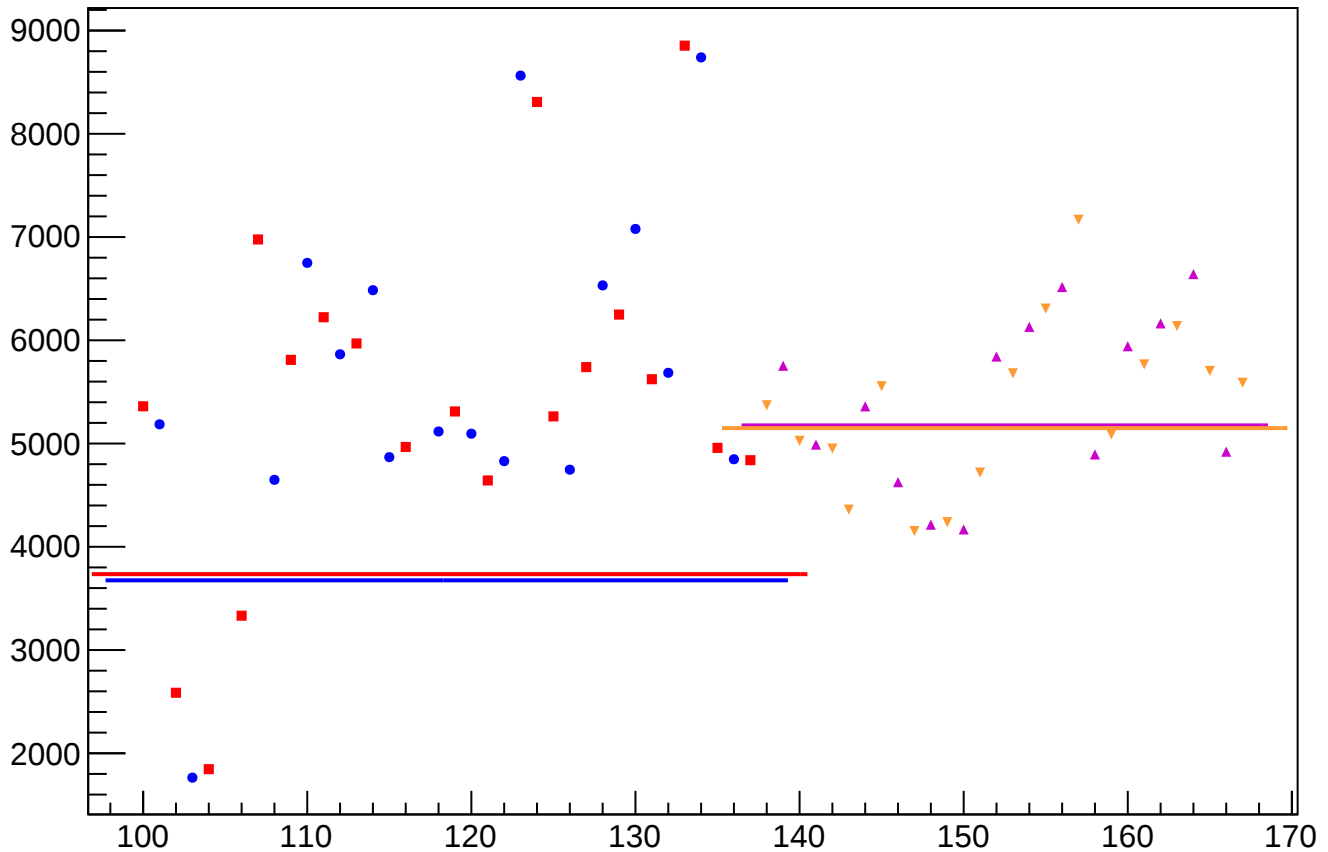
Left In: -1257.176+/-1589.871 χ^2/NDF : 7.3/13

+ sign 1636.982+/-1101.865 χ^2/NDF : 35.8/32

All: -222.770+/-788.842 χ^2/NDF : 65.6/65

- sign -2178.167+/-1129.843 χ^2/NDF : 24.0/32

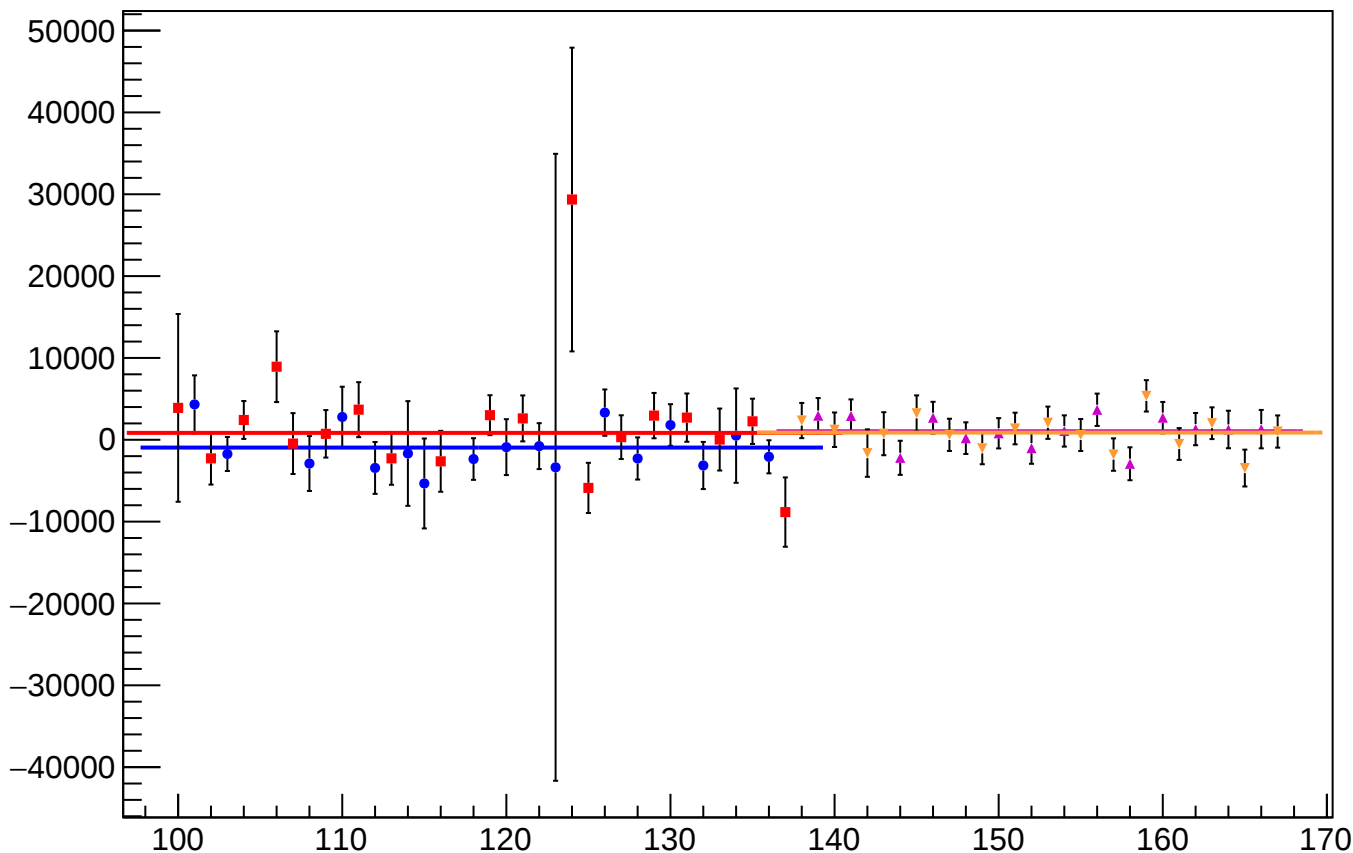
asym_atl1r2_avg_rms vs Slug



Right In: 3675.003 ± 1.136 $\chi^2/\text{NDF}: 2775085.7/16$
 Left Out: 5149.464 ± 1.071 $\chi^2/\text{NDF}: 500655.1/15$
 Right Out: 3734.796 ± 1.128 $\chi^2/\text{NDF}: 2693929.0/18$
 Left In: 5175.684 ± 1.124 $\chi^2/\text{NDF}: 485025.2/13$

+ sign 4455.986 ± 0.779 $\chi^2/\text{NDF}: 4167910.5/32$
 All: 4456.815 ± 0.557 $\chi^2/\text{NDF}: 8165451.4/65$
 - sign 4457.681 ± 0.796 $\chi^2/\text{NDF}: 3997538.6/32$

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

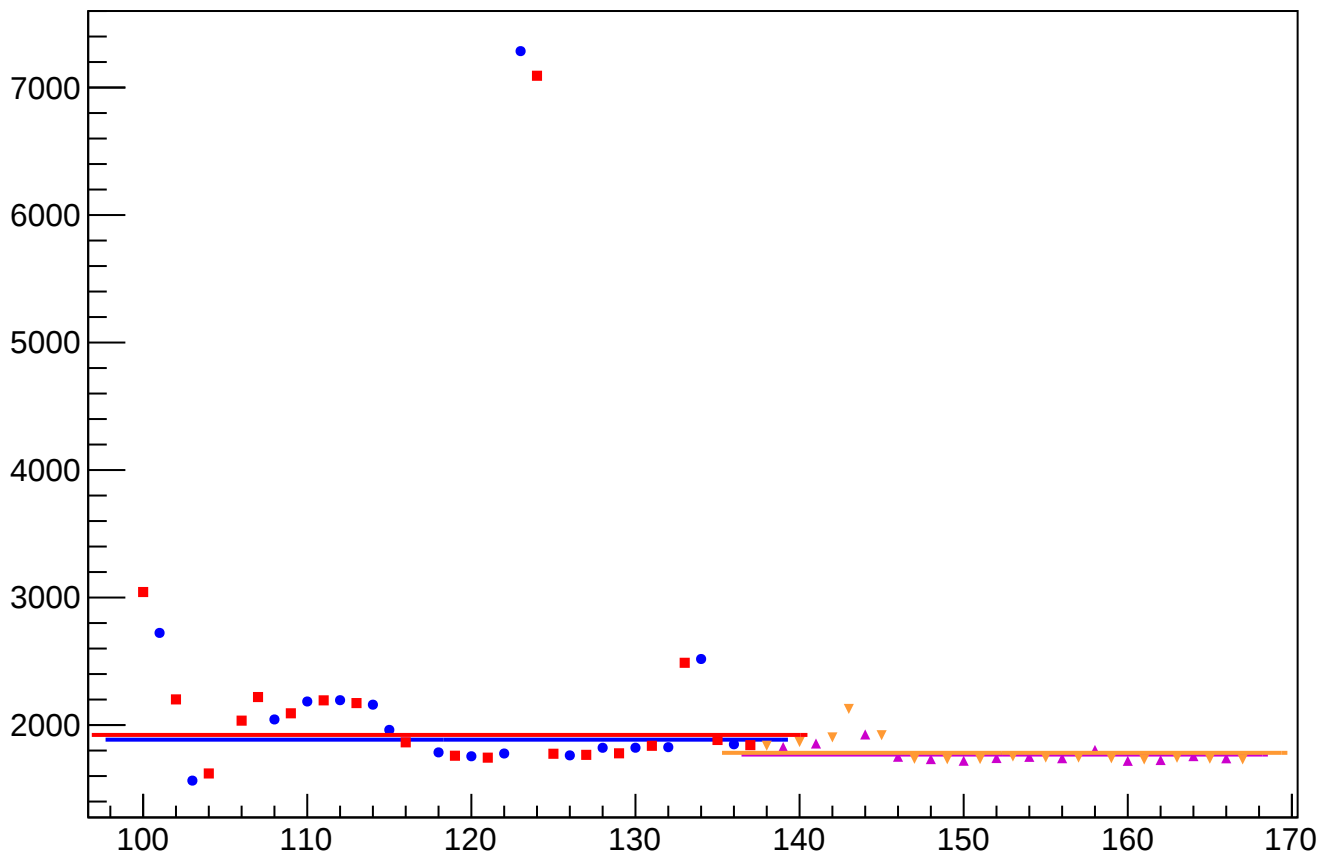
Left In: 1043.240 ± 536.999 χ^2/NDF : 12.6/13

+ sign 279.948 ± 424.174 χ^2/NDF : 29.8/32

All: 618.955 ± 303.391 χ^2/NDF : 66.3/65

- sign 974.042 ± 434.118 χ^2/NDF : 35.2/32

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

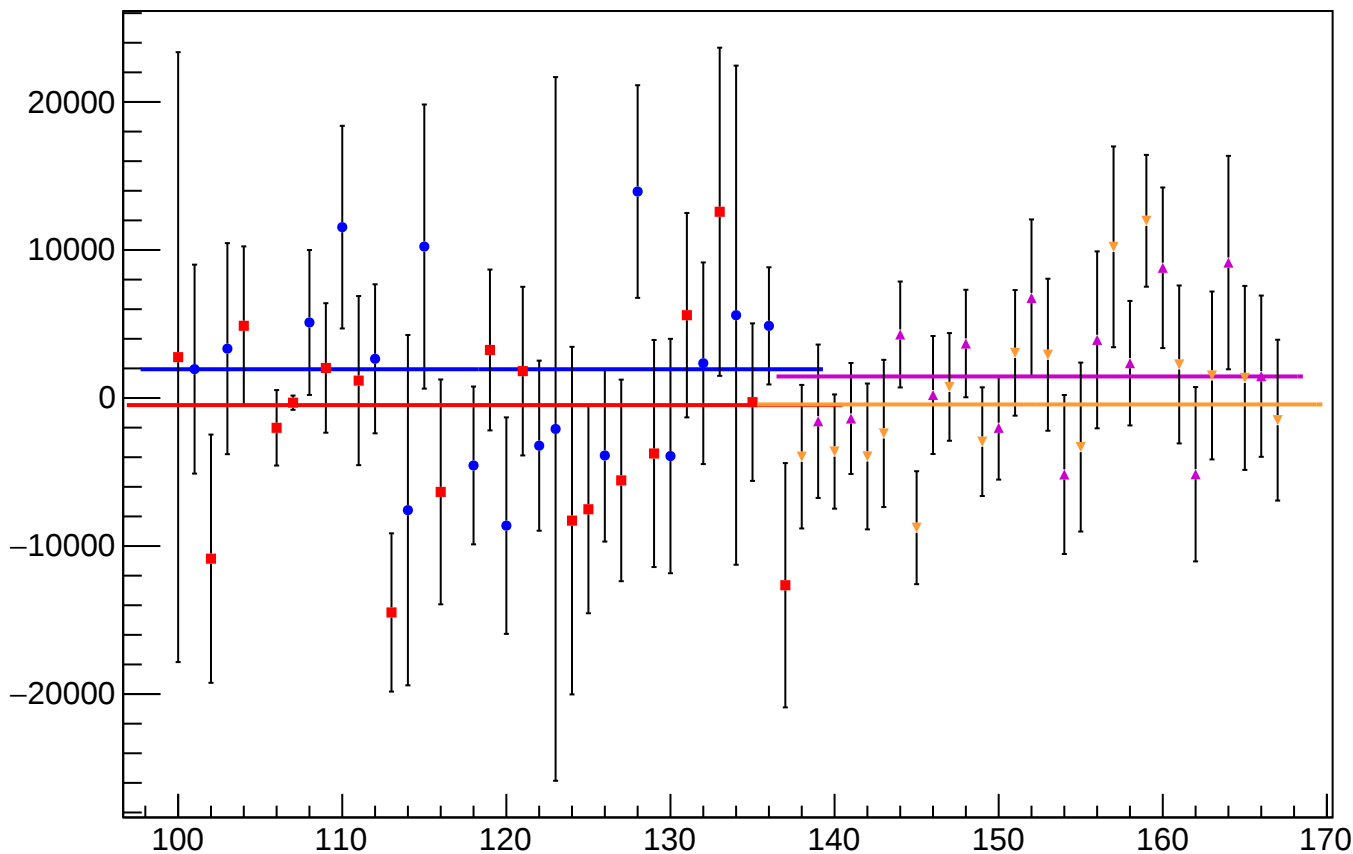
Left In: 1768.447 ± 0.380 χ^2/NDF : 23104.7/13

+ sign 1815.974 ± 0.300 χ^2/NDF : 367995.4/32

All: 1818.891 ± 0.214 χ^2/NDF : 799978.4/65

- sign 1821.943 ± 0.307 χ^2/NDF : 431789.4/32

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

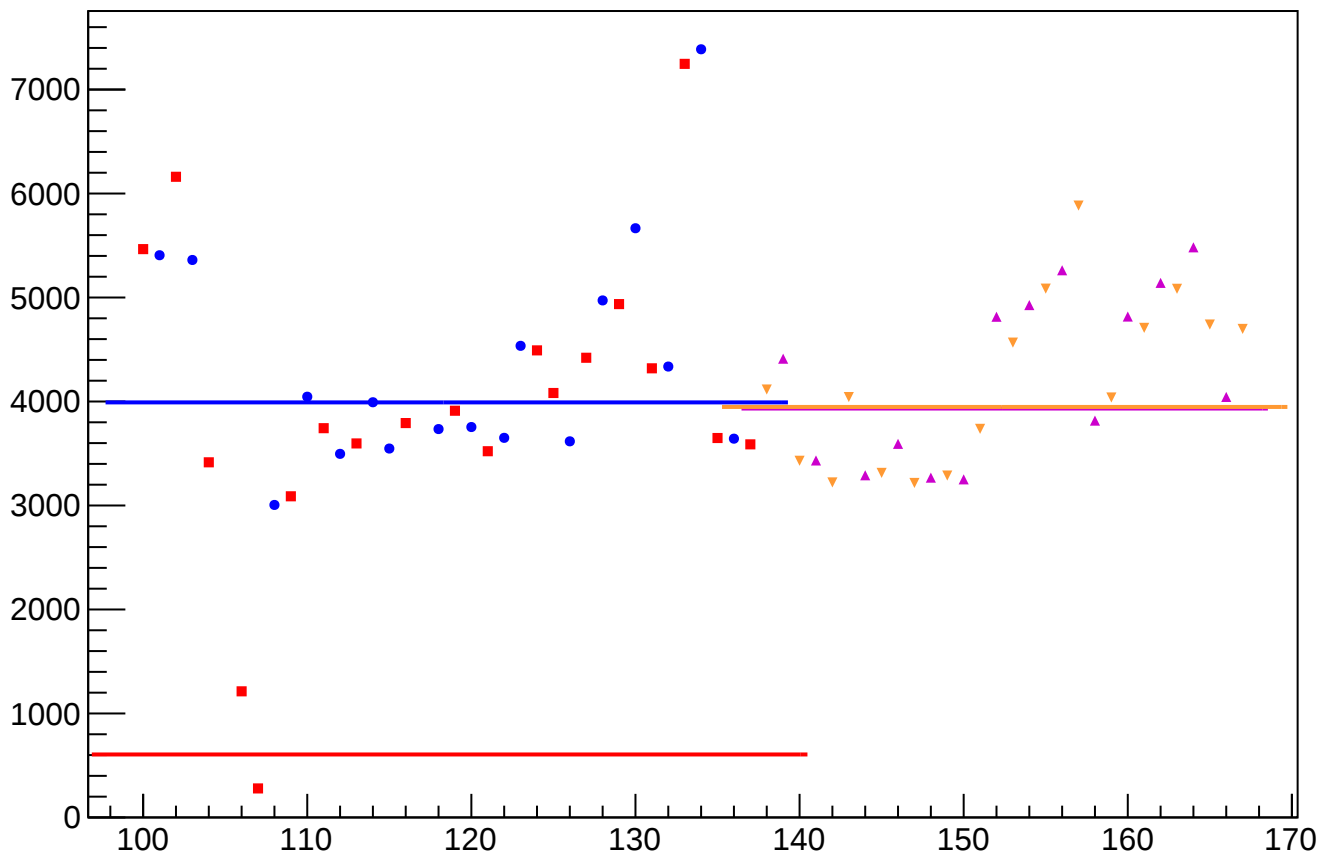
Left In: 1456.752+/-1215.066 χ^2/NDF : 10.0/13

+ sign 405.521+/-939.828 χ^2/NDF : 33.9/32

All: -132.055+/-387.263 χ^2/NDF : 64.6/65

- sign -241.998+/-425.024 χ^2/NDF : 30.3/32

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

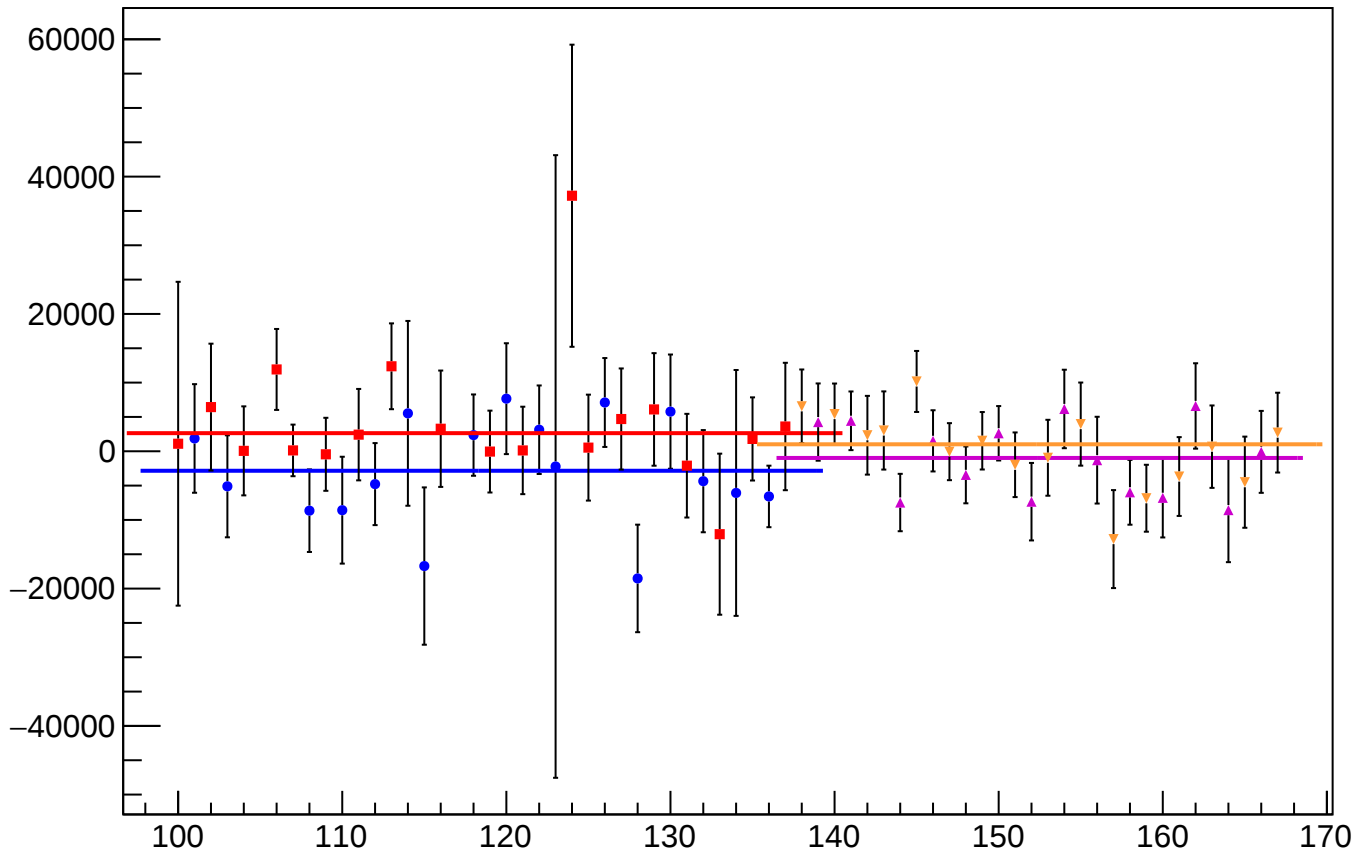
Left In: 3932.315+/-0.859 χ^2/NDF : 729435.2/13

+ sign 3963.120+/-0.665 χ^2/NDF : 1263778.2/32

All: 1513.706+/-0.274 χ^2/NDF : 41759752.0/6

- sign 1012.759+/-0.301 χ^2/NDF : 24132680.8/32

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599 ± 1786.019 χ^2/NDF : 15.4/16

Left Out: 1015.662 ± 1302.235 χ^2/NDF : 15.1/15

Right Out: 2637.071 ± 1575.105 χ^2/NDF : 11.2/18

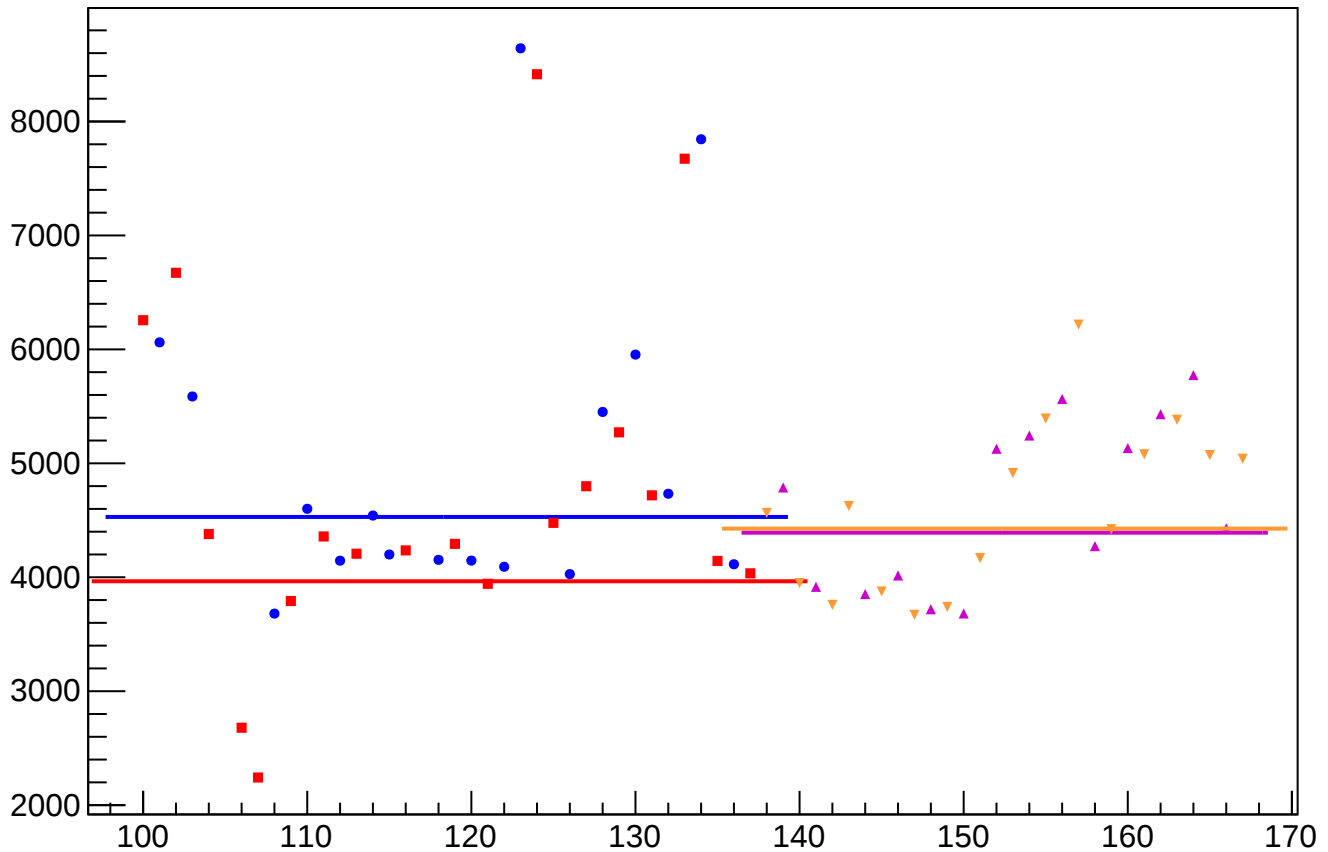
Left In: -973.219 ± 1349.176 χ^2/NDF : 13.8/13

+ sign -322.497 ± 1052.236 χ^2/NDF : 33.6/32

All: 127.720 ± 734.101 χ^2/NDF : 62.0/65

- sign 554.652 ± 1024.665 χ^2/NDF : 28.1/32

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

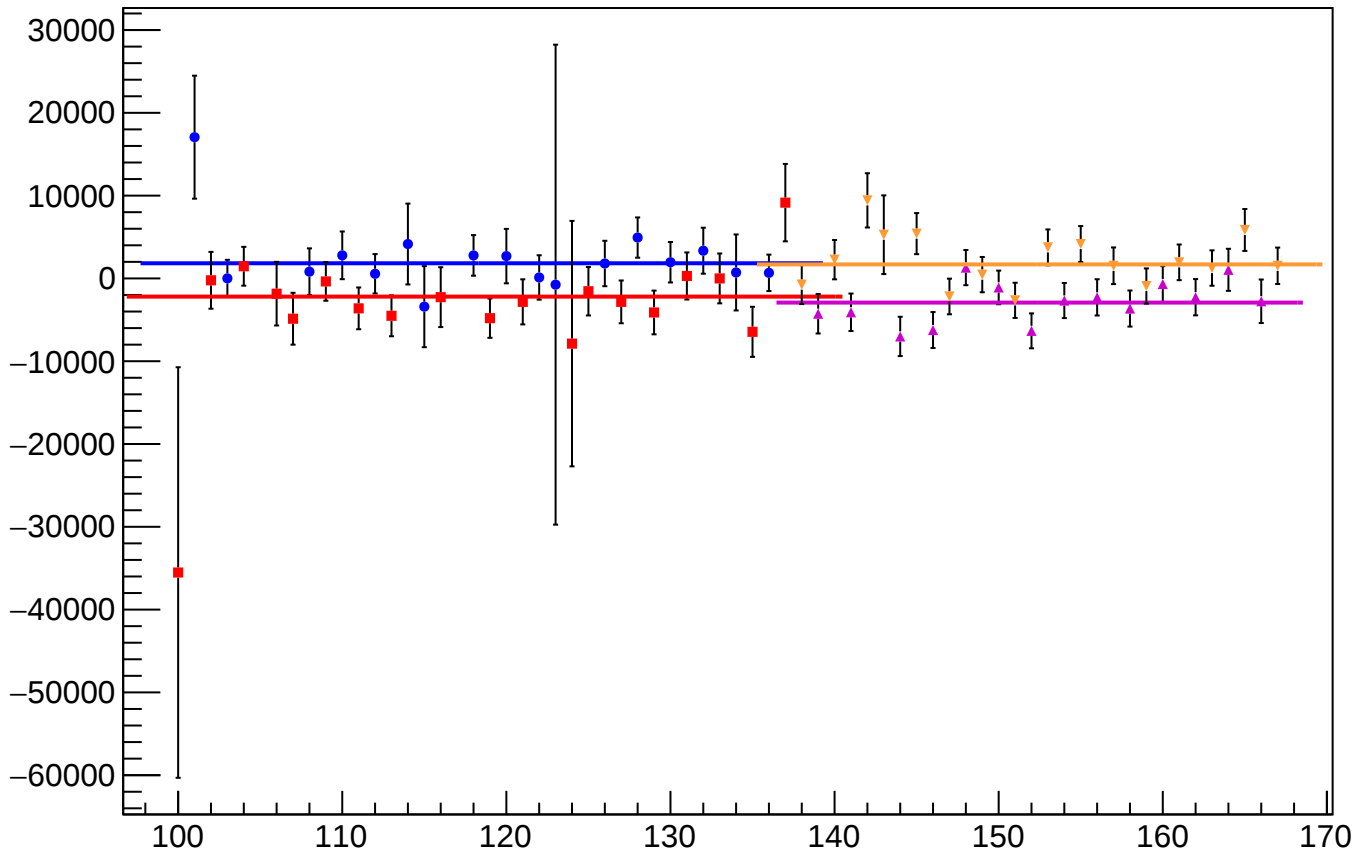
Left In: 4391.333+/-0.954 χ^2/NDF : 503303.1/13

+ sign 4462.664+/-0.744 χ^2/NDF : 915023.0/32

All: 4332.378+/-0.518 χ^2/NDF : 2703525.3/65

- sign 4209.501+/-0.723 χ^2/NDF : 1728921.8/32

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

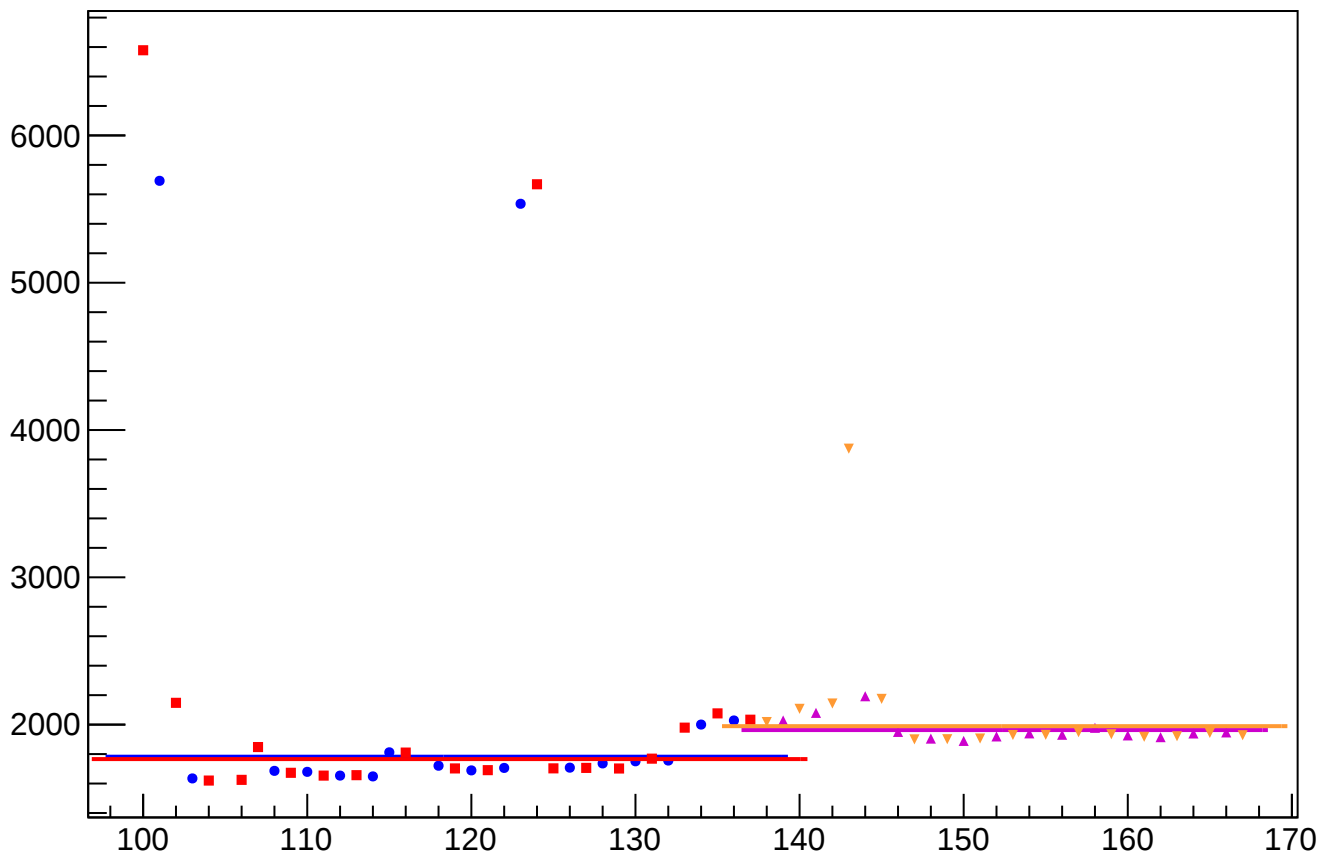
Left In: -2918.114+/-596.190 χ^2/NDF : 17.1/13

+ sign 1747.562+/-449.896 χ^2/NDF : 33.4/32

All: -431.868+/-317.980 χ^2/NDF : 116.4/65

- sign -2607.352+/-449.488 χ^2/NDF : 36.0/32

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

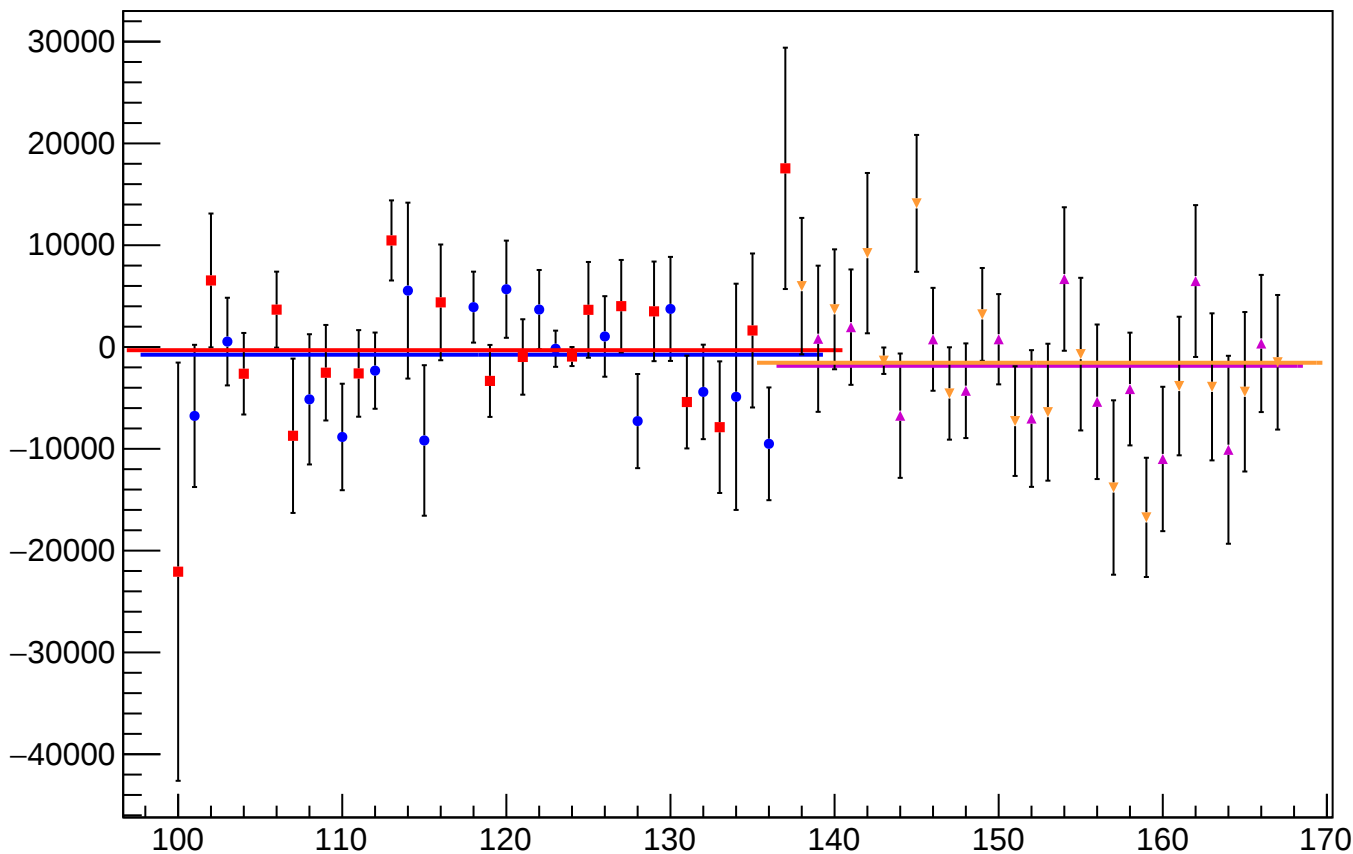
Left In: 1963.035+/-0.422 χ^2/NDF : 33065.7/13

+ sign 1906.558+/-0.318 χ^2/NDF : 1103704.3/32

All: 1891.882+/-0.225 χ^2/NDF : 1542855.5/65

- sign 1877.319+/-0.317 χ^2/NDF : 434911.1/32

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 $\chi^2/\text{NDF}: 22.0/18$

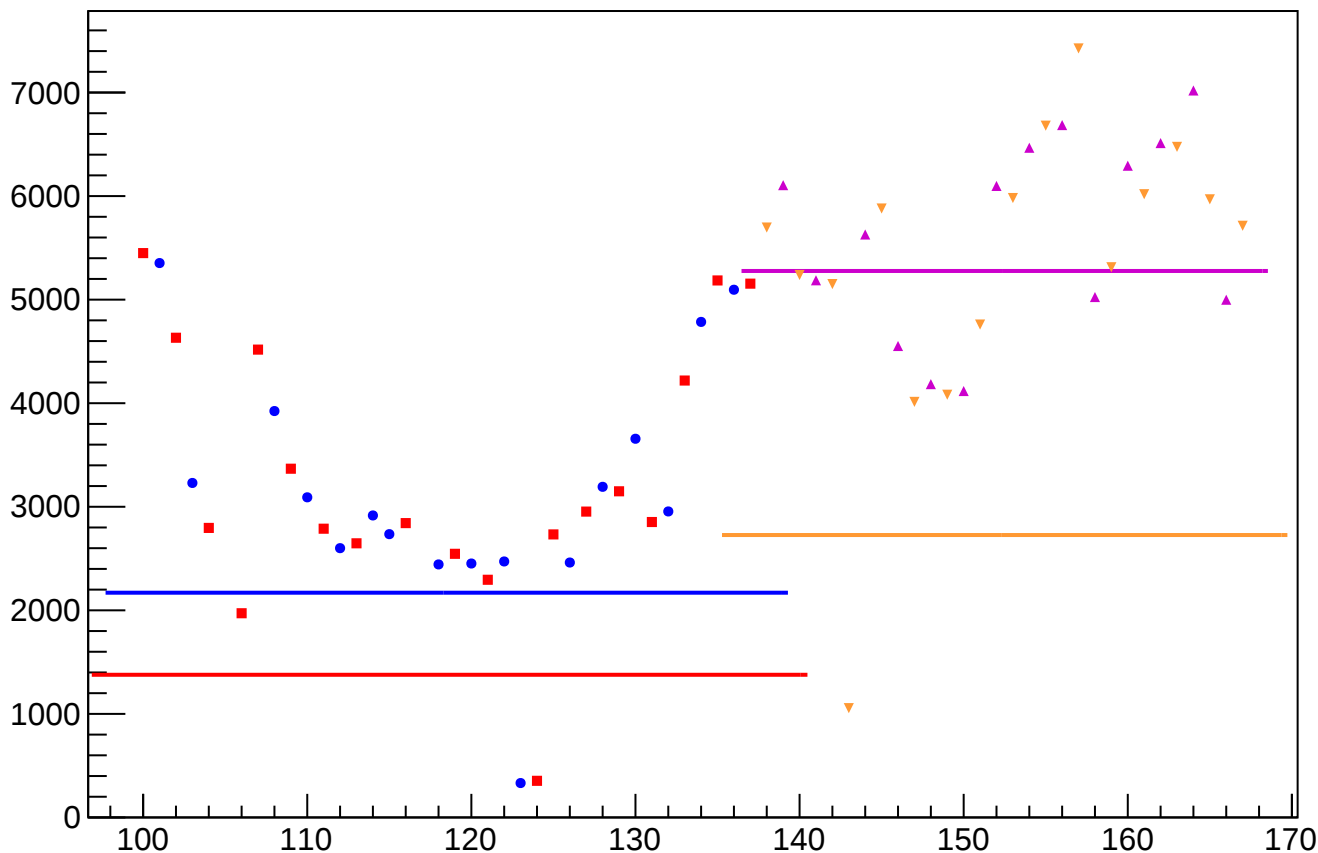
Left In: -1844.180 ± 1627.534 $\chi^2/\text{NDF}: 8.4/13$

+ sign -1147.765 ± 714.487 $\chi^2/\text{NDF}: 38.9/32$

All: -834.501 ± 485.745 $\chi^2/\text{NDF}: 70.4/65$

- sign -565.275 ± 662.364 $\chi^2/\text{NDF}: 31.1/32$

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 2727.140 $\pm$ 0.716 χ^2 /NDF: 9091527.3/15

Right Out: 1377.716 $\pm$ 0.513 χ^2 /NDF: 6847297.6/18

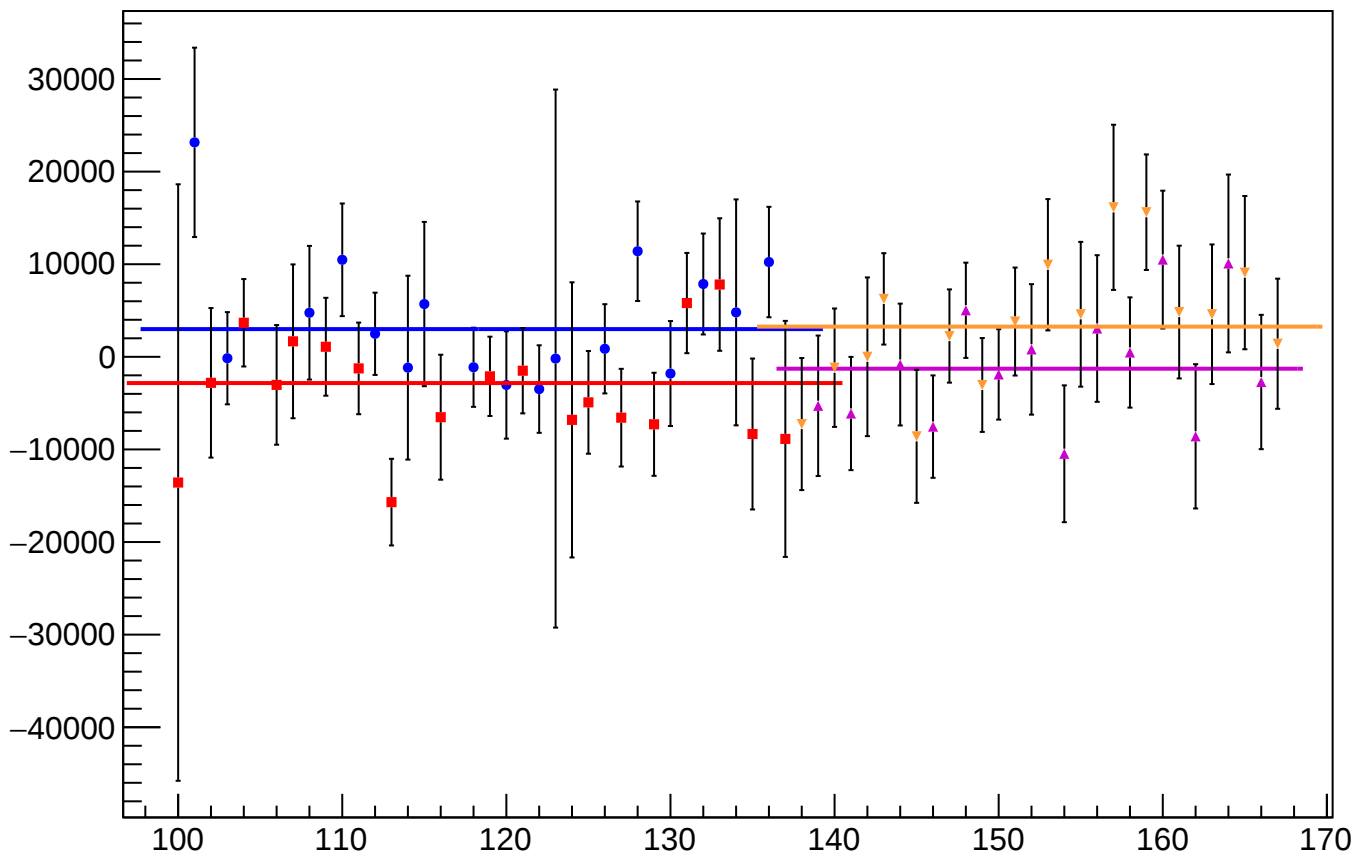
Left In: 5276.886 $\pm$ 1.151 χ^2 /NDF: 652604.6/13

+ sign 2447.633 $\pm$ 0.505 χ^2 /NDF: 13369010.1/32

All: 2219.548 $\pm$ 0.343 χ^2 /NDF: 30825864.3/6

- sign 2023.527 $\pm$ 0.468 χ^2 /NDF: 17077877.6/32

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

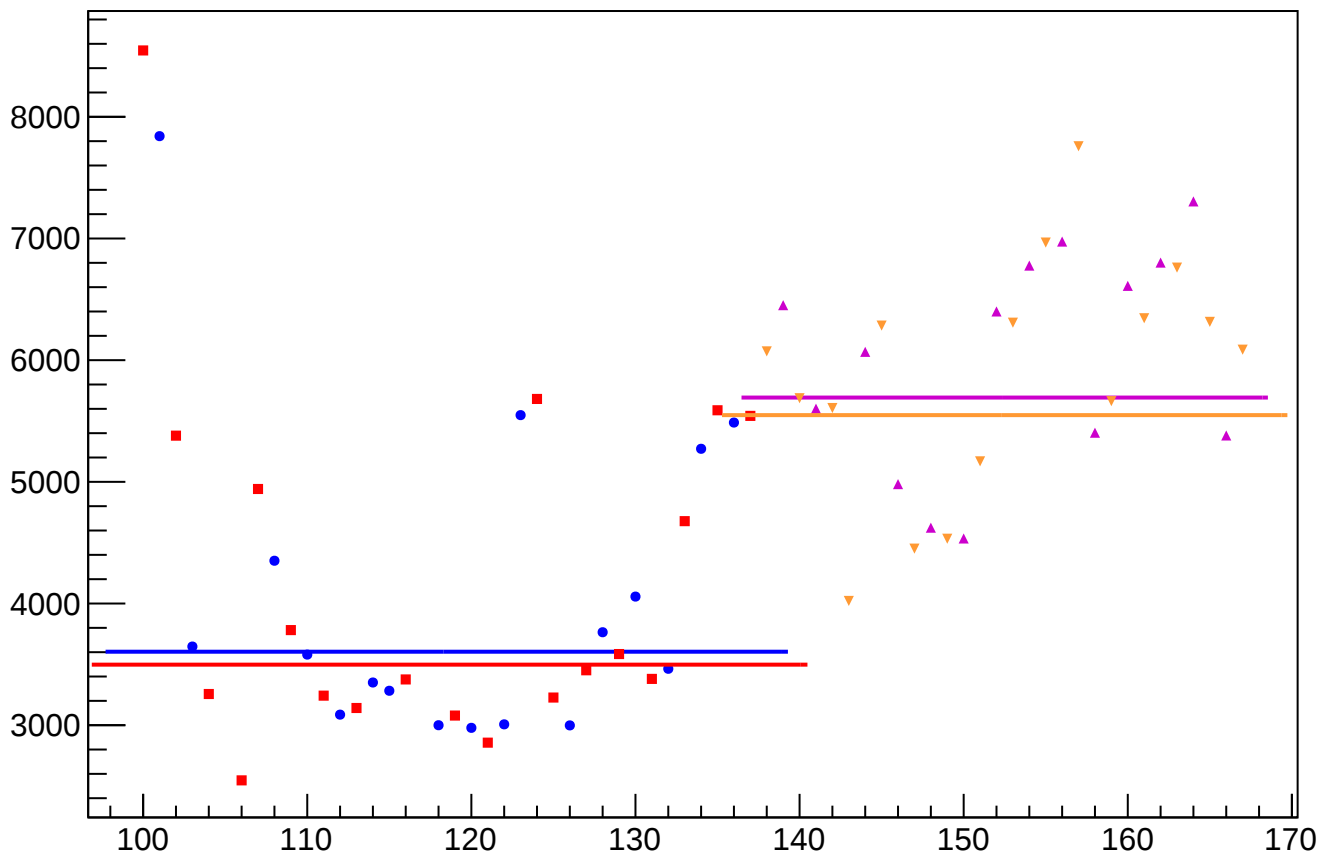
Left In: -1282.486 $\pm$ 1749.396 χ^2 /NDF: 10.6/13

+ sign 3110.447 $\pm$ 1084.696 χ^2 /NDF: 30.8/32

All: 431.647 $\pm$ 766.409 χ^2 /NDF: 71.7/65

- sign -2238.976 $\pm$ 1083.039 χ^2 /NDF: 28.8/32

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 $\chi^2/\text{NDF}: 784674.5/16$

Left Out: 5548.365 ± 1.159 $\chi^2/\text{NDF}: 725859.2/15$

Right Out: 3497.586 ± 0.962 $\chi^2/\text{NDF}: 661898.6/18$

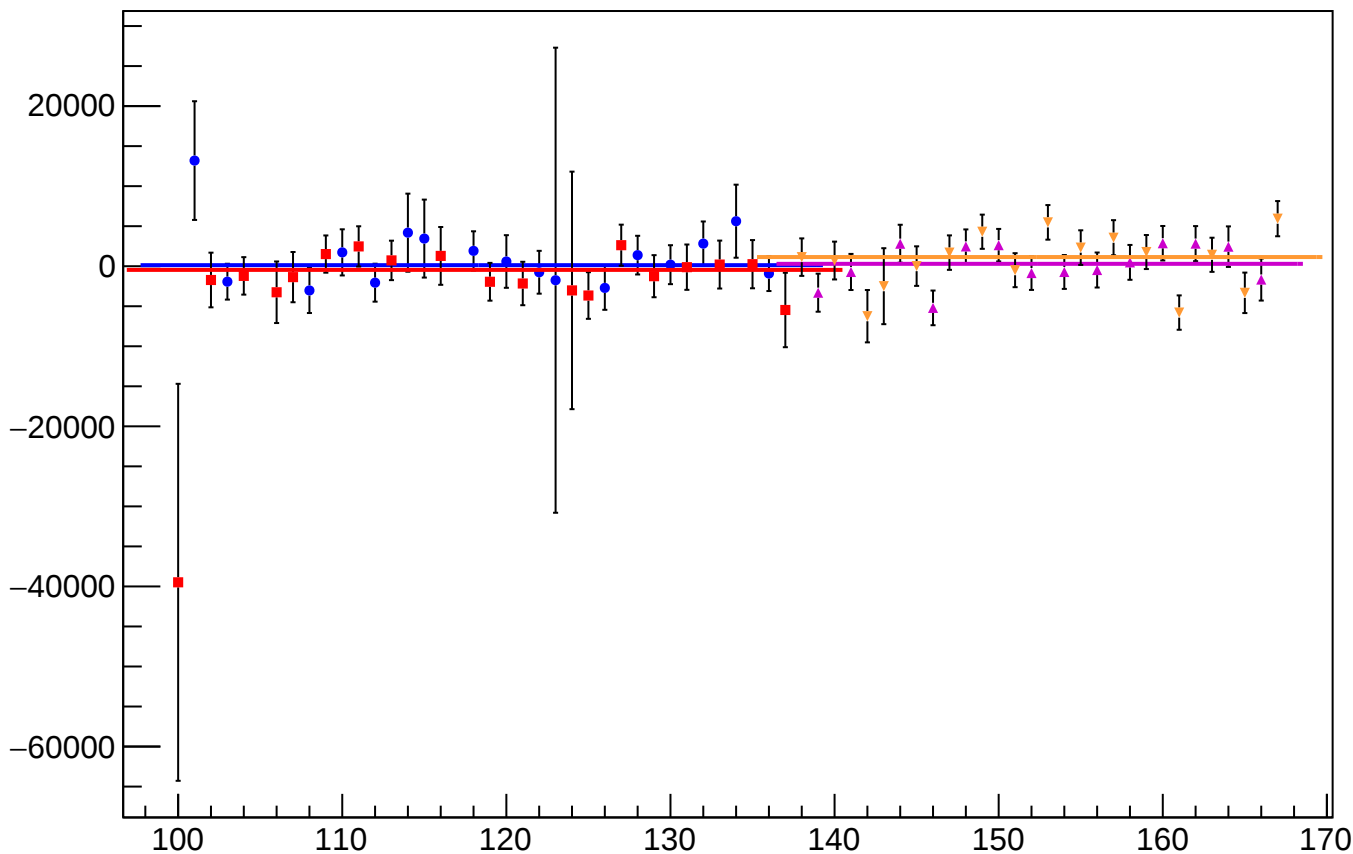
Left In: 5692.698 ± 1.237 $\chi^2/\text{NDF}: 510748.3/13$

+ sign 4456.049 ± 0.767 $\chi^2/\text{NDF}: 3092749.4/32$

All: 4389.576 ± 0.540 $\chi^2/\text{NDF}: 6243069.5/65$

- sign 4324.445 ± 0.759 $\chi^2/\text{NDF}: 3135449.4/32$

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

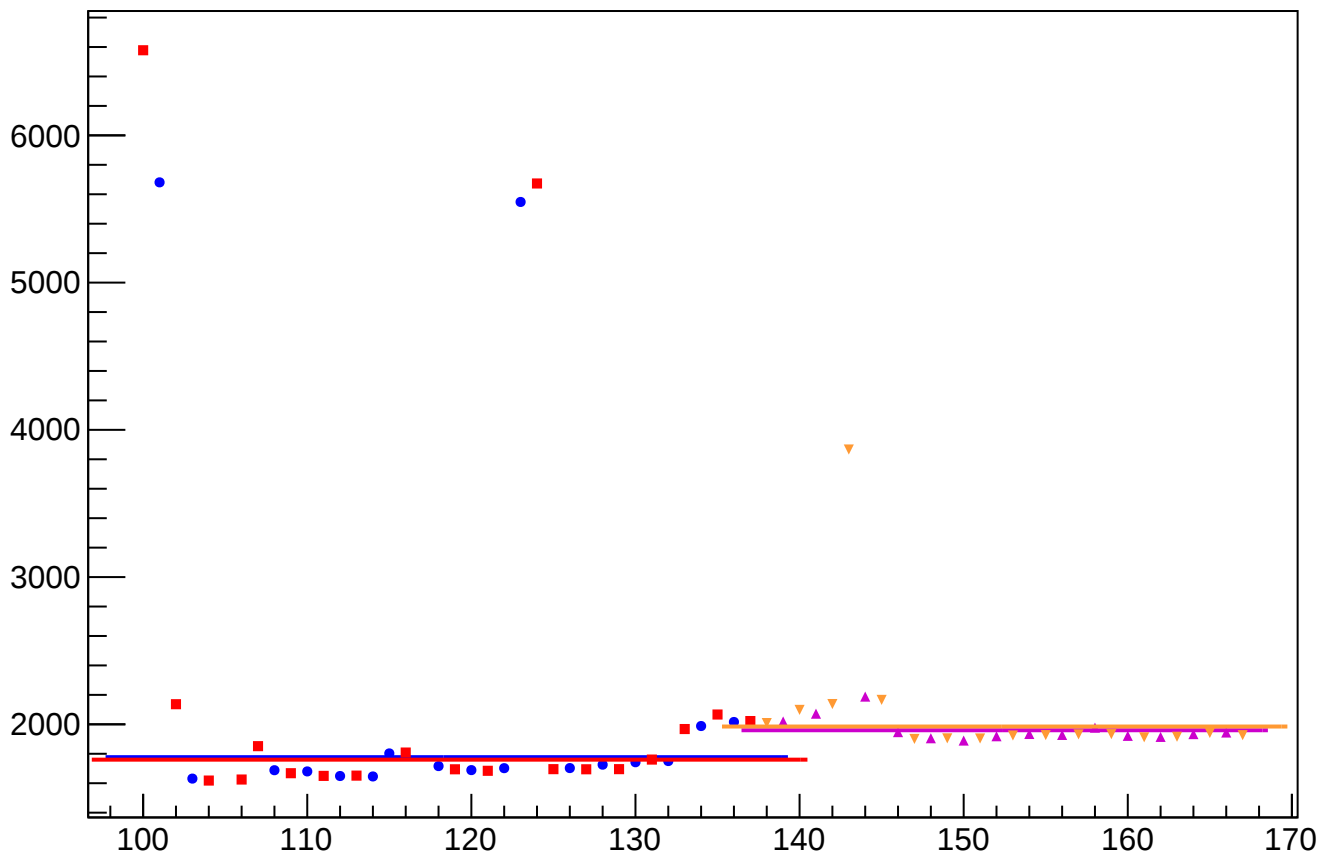
Left In: 297.691 $\pm$ 595.186 χ^2/NDF : 17.1/13

+ sign 739.125 $\pm$ 448.728 χ^2/NDF : 46.1/32

All: 354.492 $\pm$ 317.178 χ^2/NDF : 76.2/65

- sign -29.558 $\pm$ 448.387 χ^2/NDF : 28.6/32

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

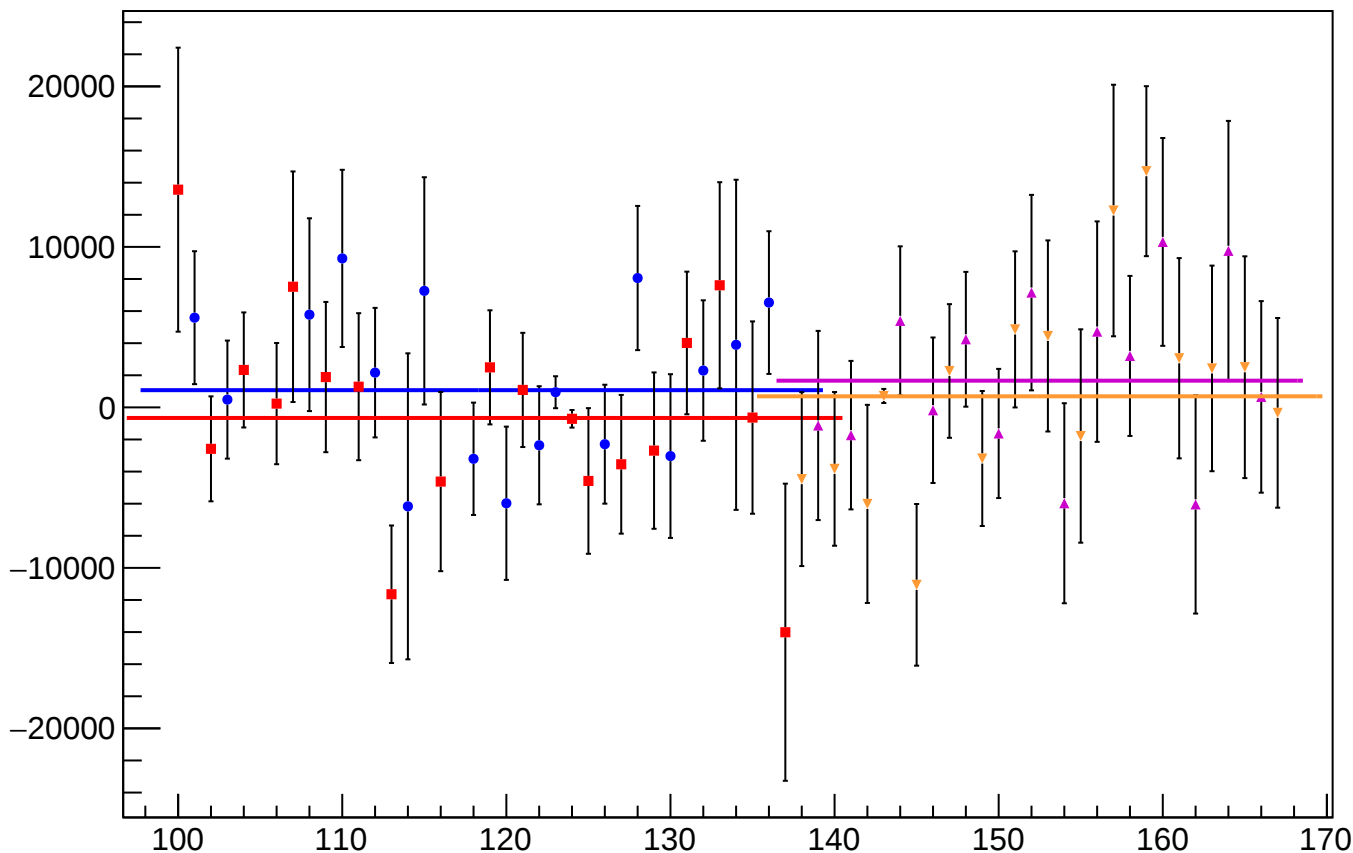
Left In: 1959.799+/-0.421 χ^2/NDF : 31955.6/13

+ sign 1901.690+/-0.317 χ^2/NDF : 1101915.1/32

All: 1887.151+/-0.224 χ^2/NDF : 1542439.2/65

- sign 1872.721+/-0.316 χ^2/NDF : 436341.0/32

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 690.318+/-419.098 χ^2/NDF : 20.2/15

Right Out: -658.759+/-488.034 χ^2/NDF : 19.8/18

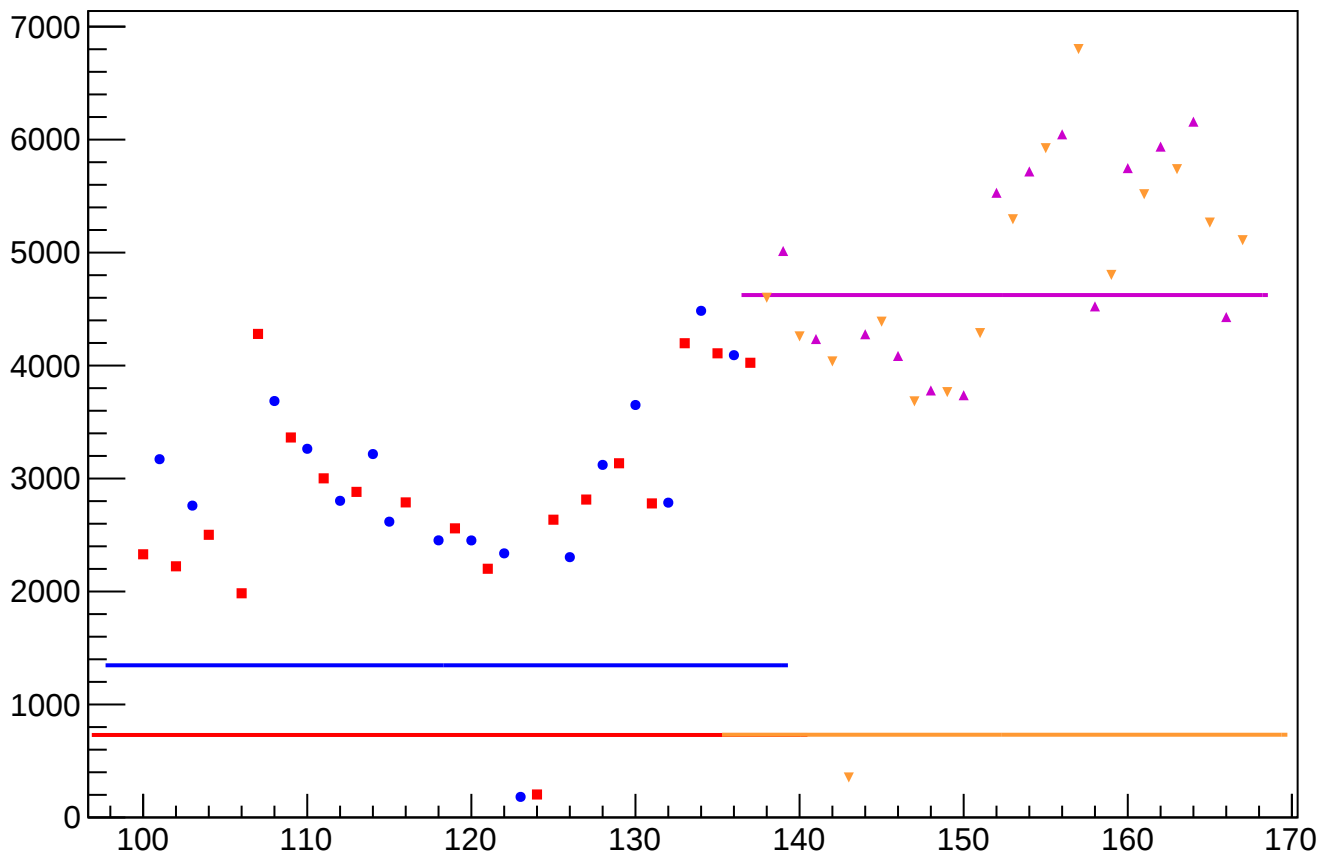
Left In: 1664.211+/-1425.769 χ^2/NDF : 9.3/13

+ sign 780.767+/-366.117 χ^2/NDF : 36.0/32

All: 319.126+/-286.877 χ^2/NDF : 71.6/65

- sign -415.131+/-461.733 χ^2/NDF : 31.5/32

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 732.234 $\pm$ 0.296 χ^2 /NDF:17461811.9/15

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

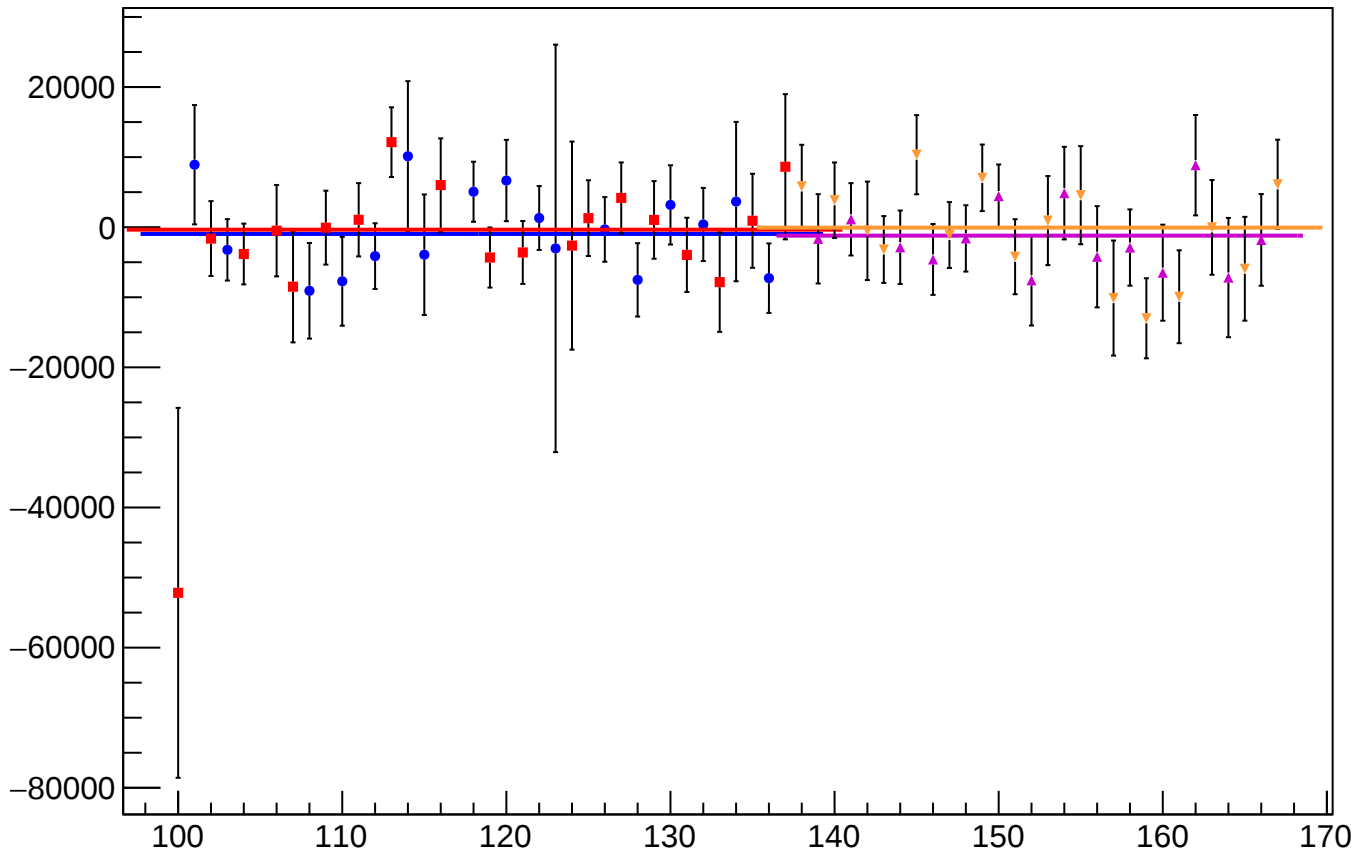
Left In: 4624.207 $\pm$ 1.008 χ^2 /NDF:641641.6/13

+ sign 877.805 $\pm$ 0.259 χ^2 /NDF: 25319672.1/32

All: 978.447 $\pm$ 0.203 χ^2 /NDF: 49210380.9/65

- sign 1138.523 $\pm$ 0.326 χ^2 /NDF: 23499198.4/32

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

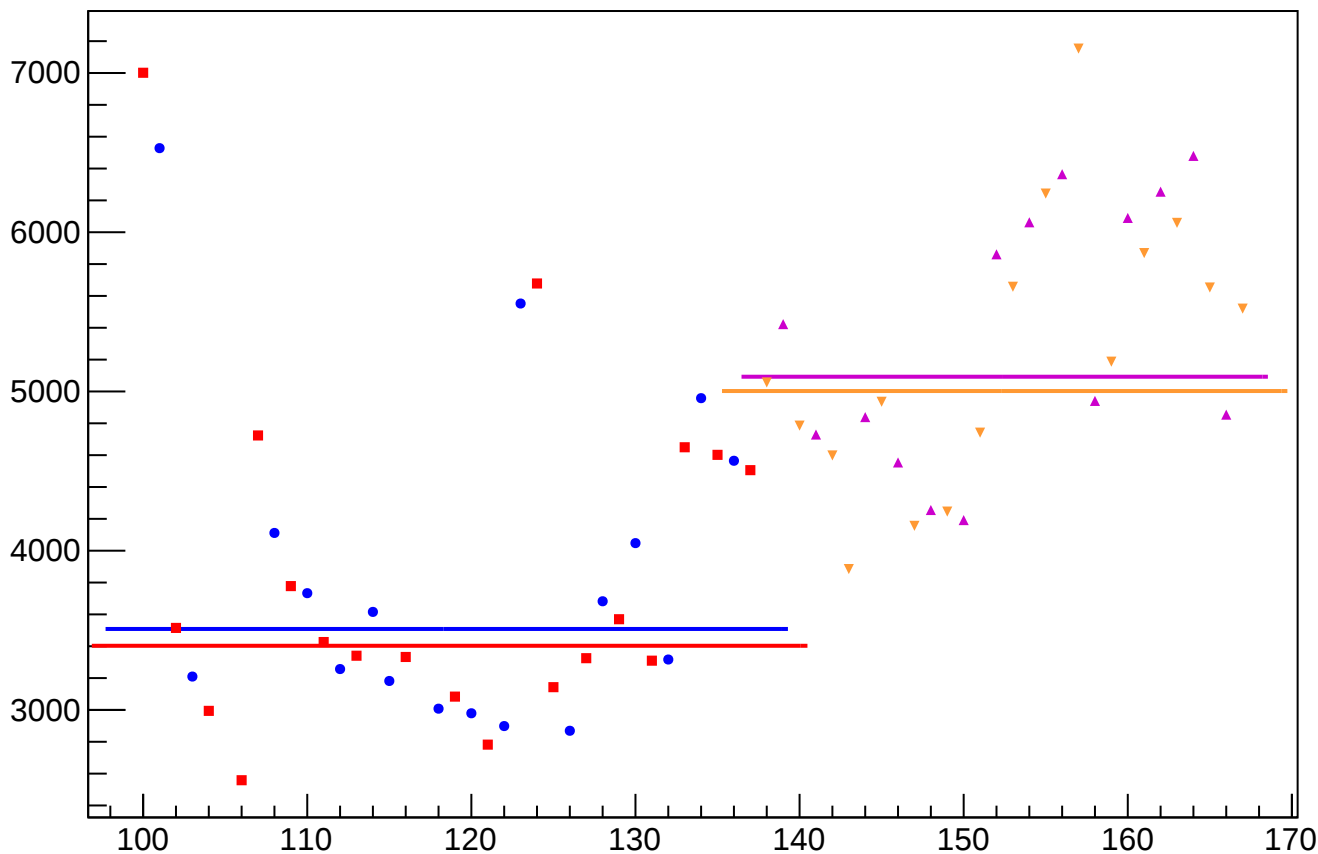
Left In: -1205.927 ± 1563.293 χ^2/NDF : 7.5/13

+ sign -537.038 ± 1012.983 χ^2/NDF : 33.0/32

All: -624.534 ± 716.254 χ^2/NDF : 58.3/65

- sign -712.014 ± 1012.889 χ^2/NDF : 25.3/32

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 5002.736+/-1.041 χ^2/NDF : 575684.0/15

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

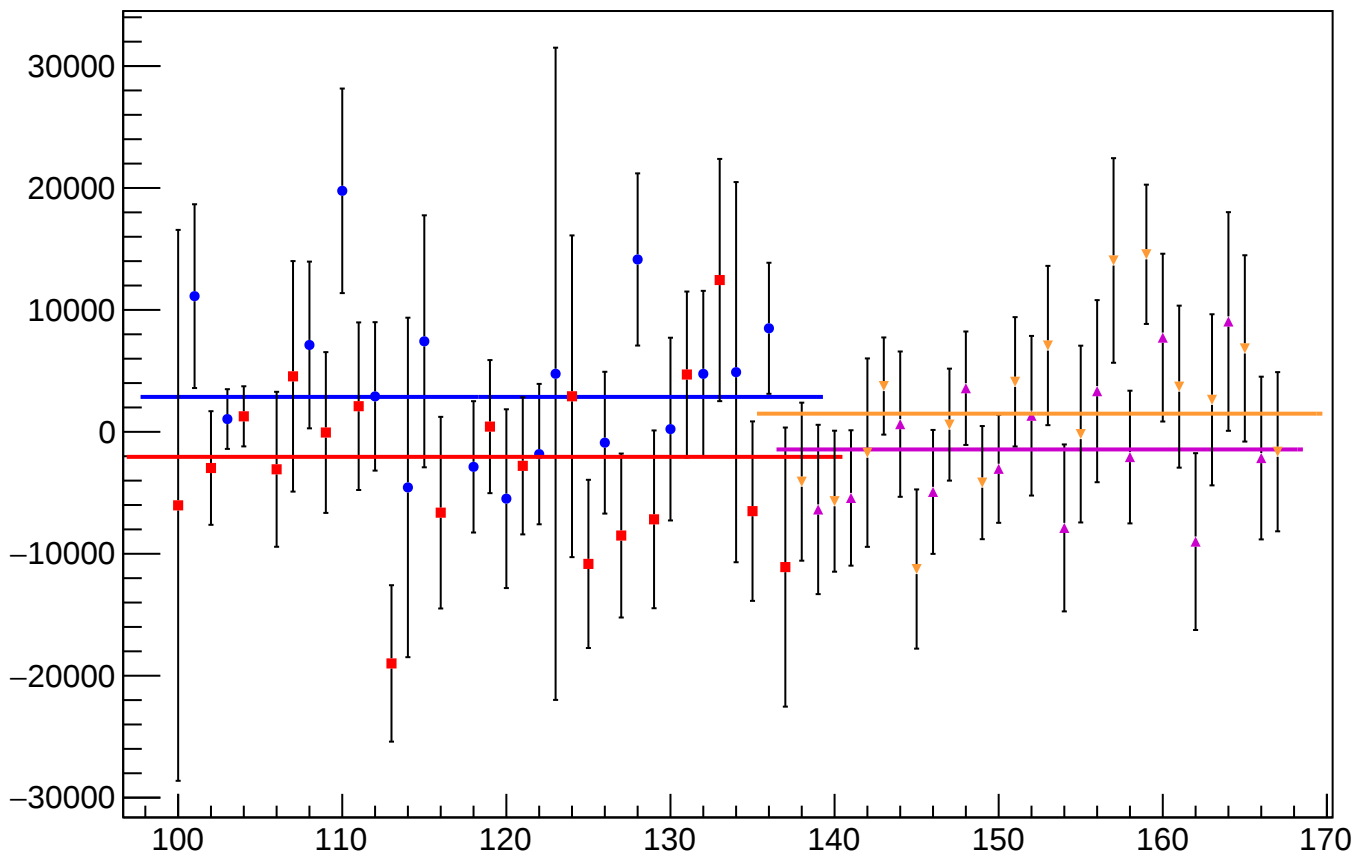
Left In: 5092.607+/-1.105 χ^2/NDF : 470556.2/13

+ sign 4215.522+/-0.716 χ^2/NDF : 2222717.7/32

All: 4158.087+/-0.505 χ^2/NDF : 4505069.6/65

- sign 4101.529+/-0.711 χ^2/NDF : 2269591.2/32

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: 1491.827 $\pm$ 1478.849 χ^2 /NDF:17.5/15

Right Out: -2051.211 $\pm$ 1381.577 χ^2 /NDF: 17.7/18

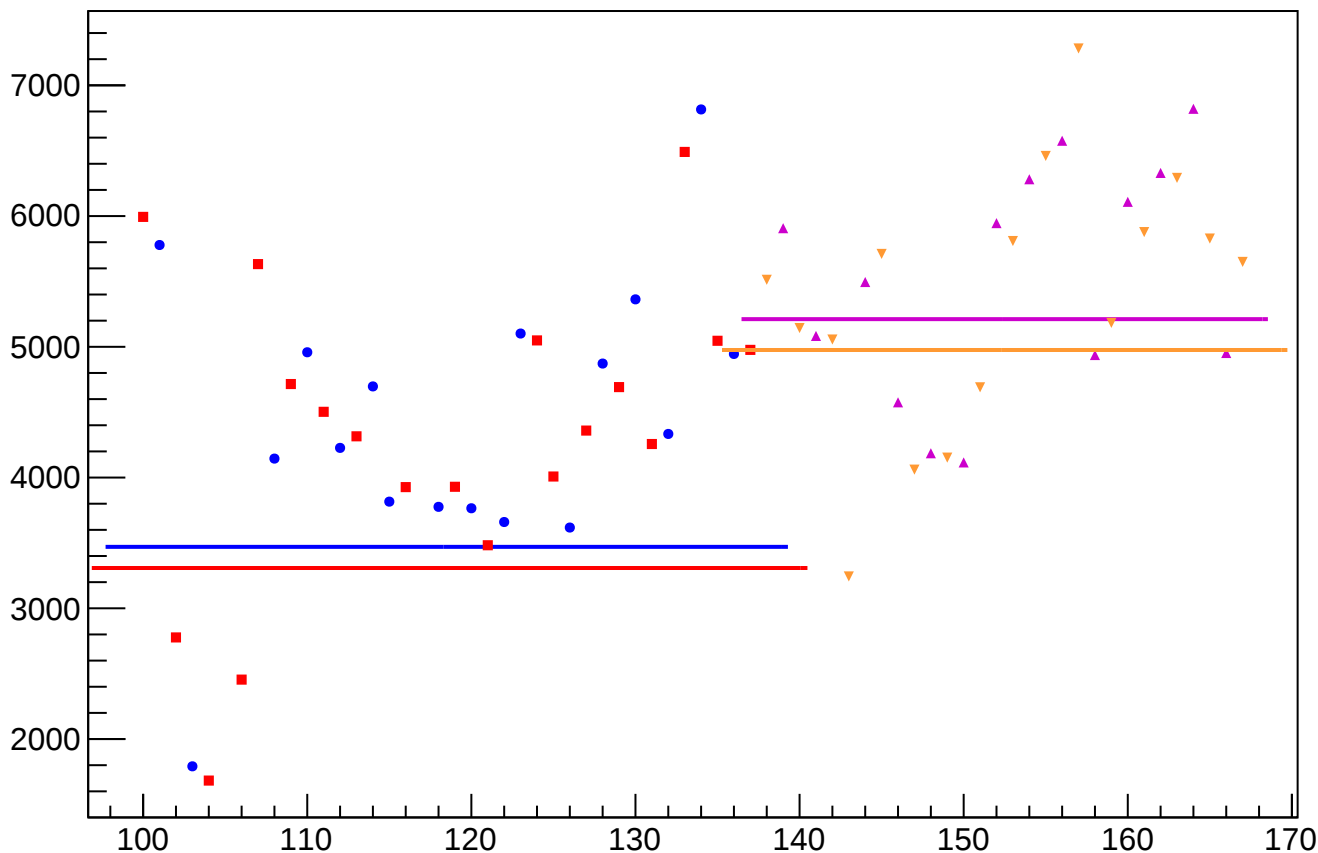
Left In: -1443.350 $\pm$ 1604.099 χ^2 /NDF:8.6/13

+ sign 2190.564 $\pm$ 1036.320 χ^2 /NDF: 32.0/32

All: 219.206 $\pm$ 736.476 χ^2 /NDF: 65.7/65

- sign -1792.334 $\pm$ 1046.829 χ^2 /NDF: 26.4/32

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 4975.678+/-1.046 χ^2/NDF : 990638.7/15

Right Out: 3308.243+/-0.968 χ^2/NDF : 1910782.0/18

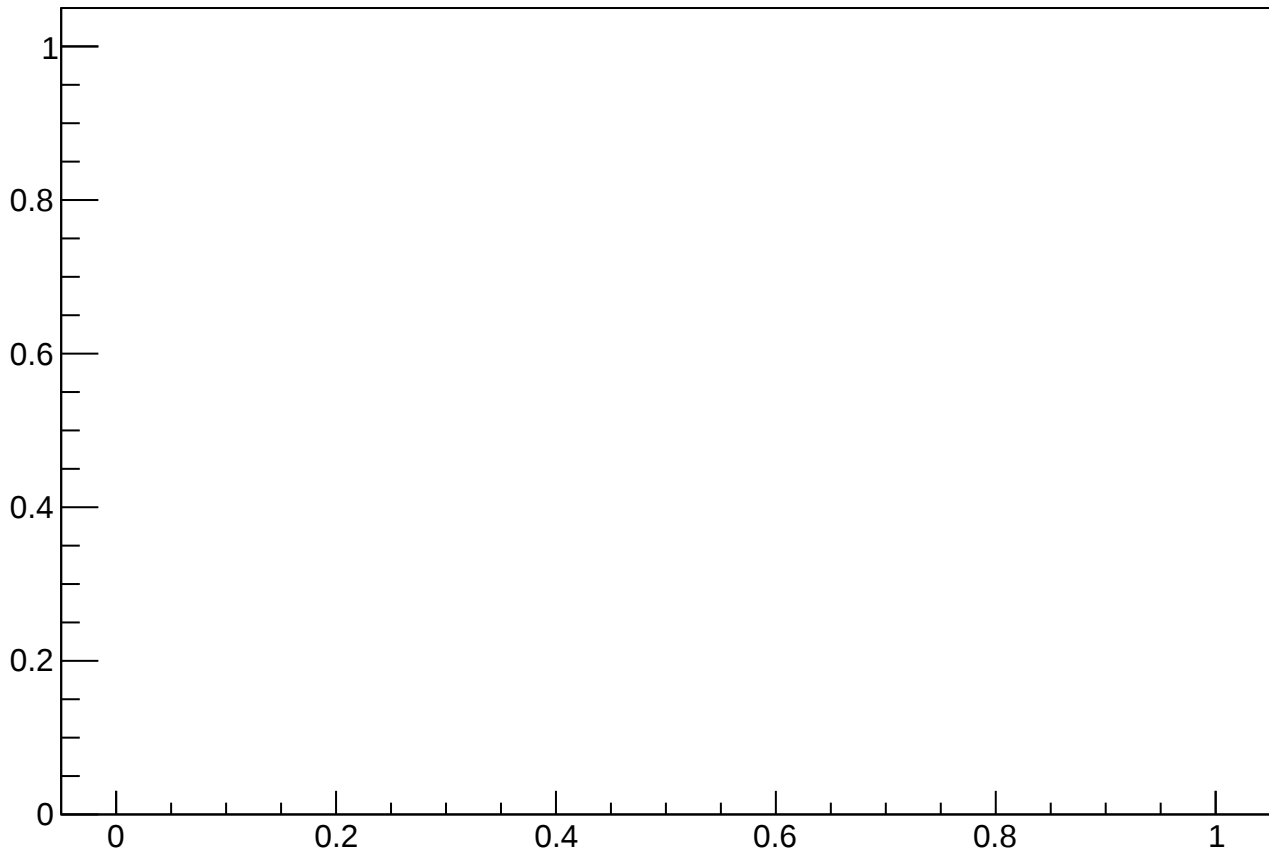
Left In: 5211.674+/-1.134 χ^2/NDF : 571518.1/13

+ sign 4209.390+/-0.733 χ^2/NDF : 3806598.9/32

All: 4160.108+/-0.519 χ^2/NDF : 7927362.4/65

- sign 4110.348+/-0.736 χ^2/NDF : 4111673.4/32

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

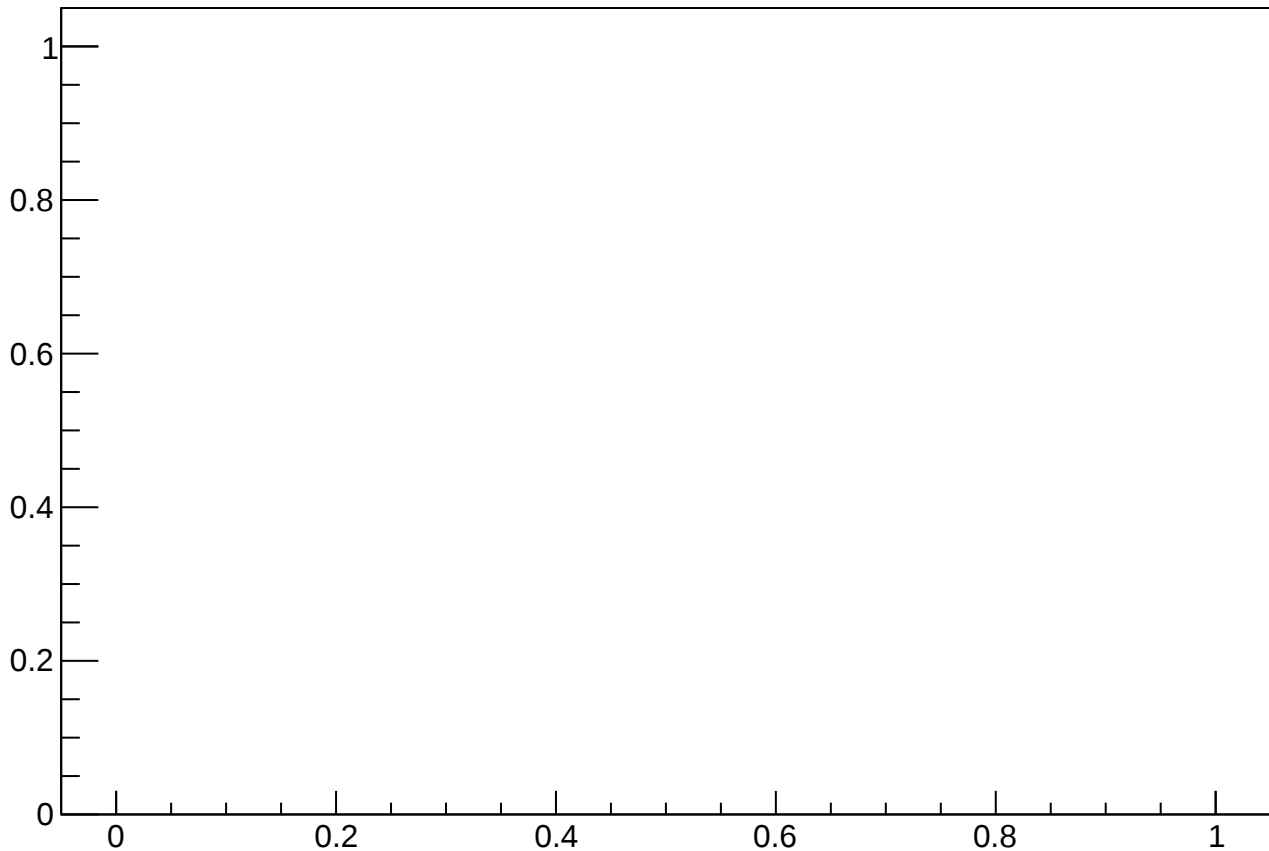
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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 $\pm$ 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

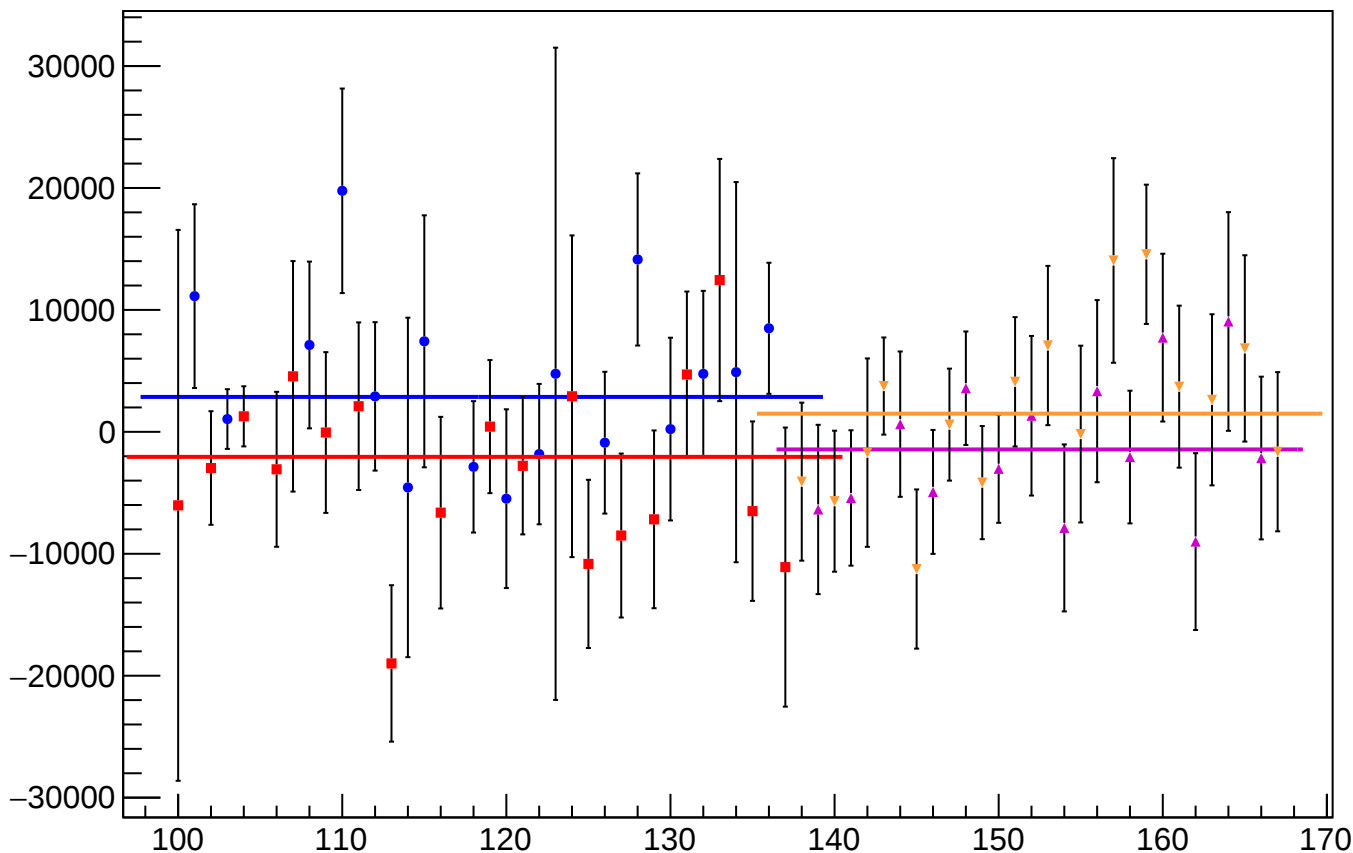
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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_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

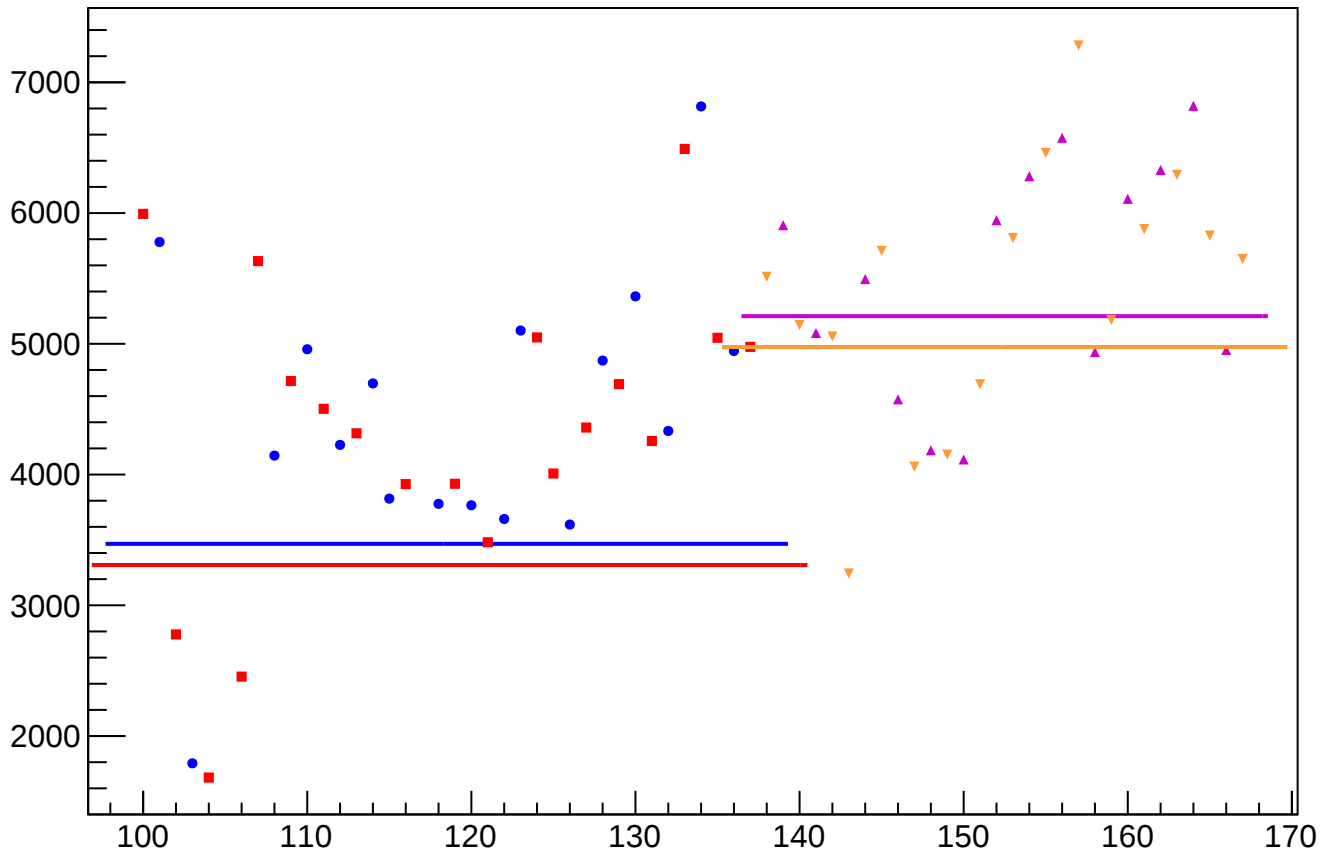
Left In: -1443.350+/-1604.099 χ^2/NDF : 8.6/13

+ sign 2190.564+/-1036.320 χ^2/NDF : 32.0/32

All: 219.206+/-736.476 χ^2/NDF : 65.7/65

- sign -1792.334+/-1046.829 χ^2/NDF : 26.4/32

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 4975.678+/-1.046 χ^2/NDF : 990638.7/15

Right Out: 3308.243+/-0.968 χ^2/NDF : 1910782.0/18

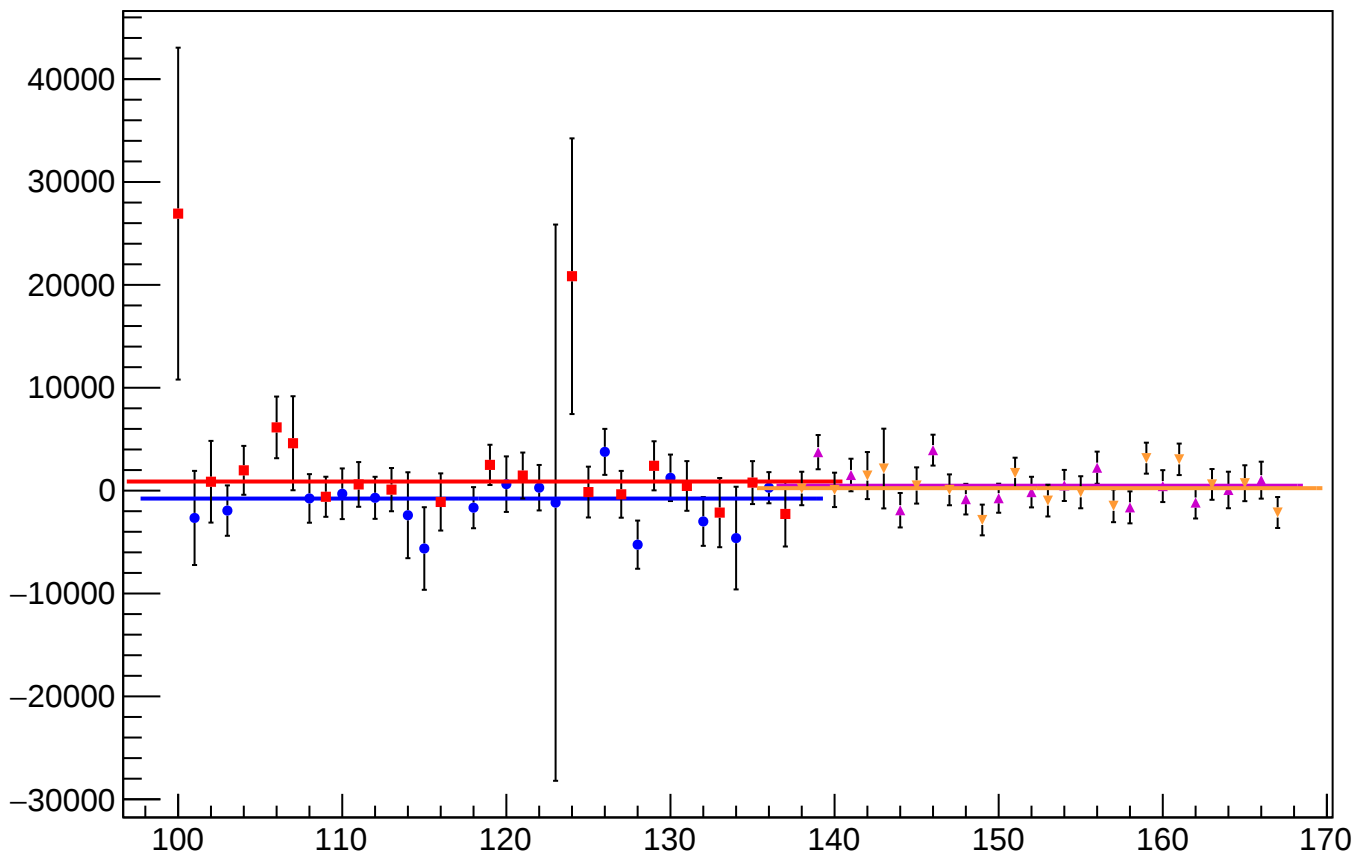
Left In: 5211.674+/-1.134 χ^2/NDF : 571518.1/13

+ sign 4209.390+/-0.733 χ^2/NDF : 3806598.9/32

All: 4160.108+/-0.519 χ^2/NDF : 7927362.4/65

- sign 4110.348+/-0.736 χ^2/NDF : 4111673.4/32

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

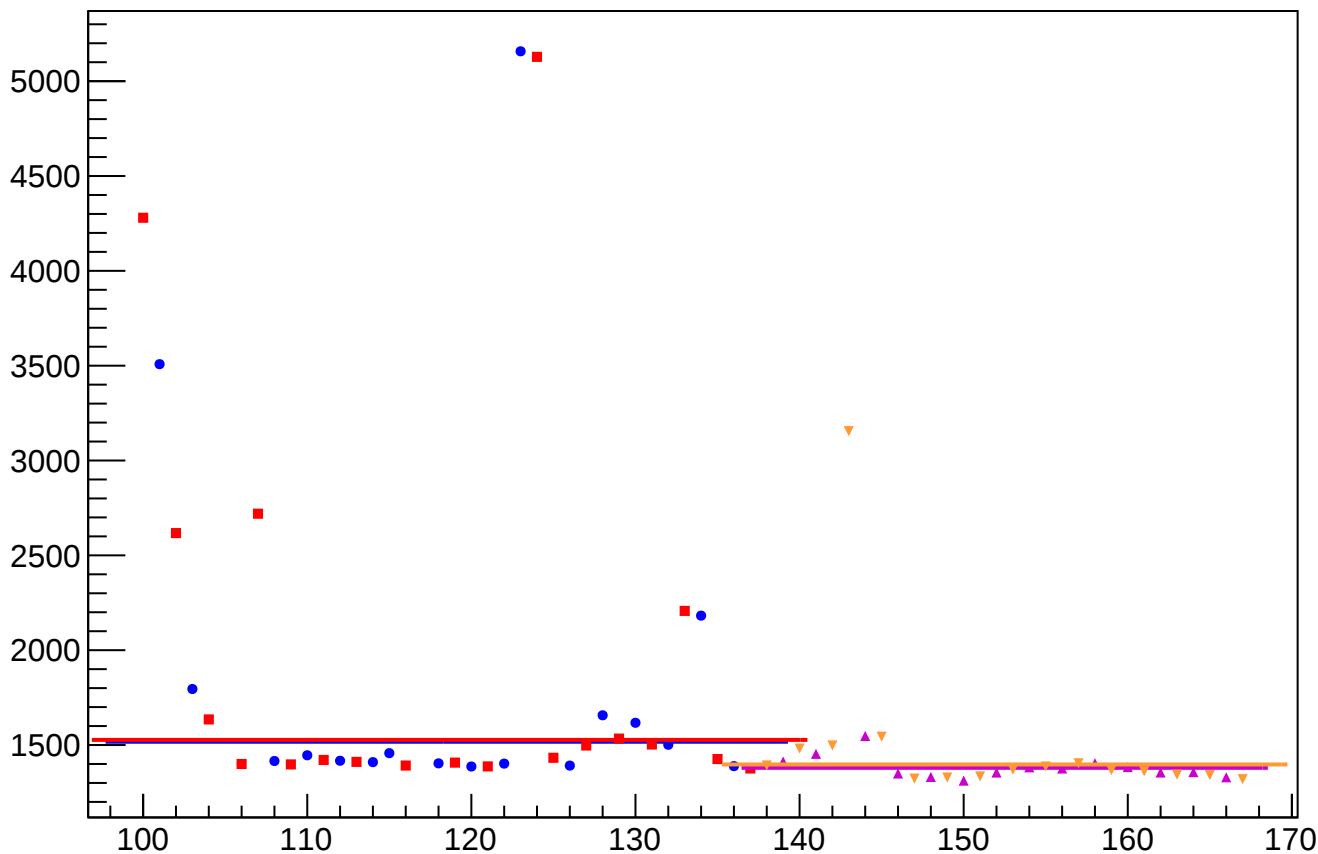
Left In: 477.553+/-419.369 χ^2/NDF : 17.6/13

+ sign -79.080+/-338.719 χ^2/NDF : 32.6/32

All: 262.732+/-240.938 χ^2/NDF : 66.1/65

- sign 612.815+/-342.792 χ^2/NDF : 31.4/32

reg_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

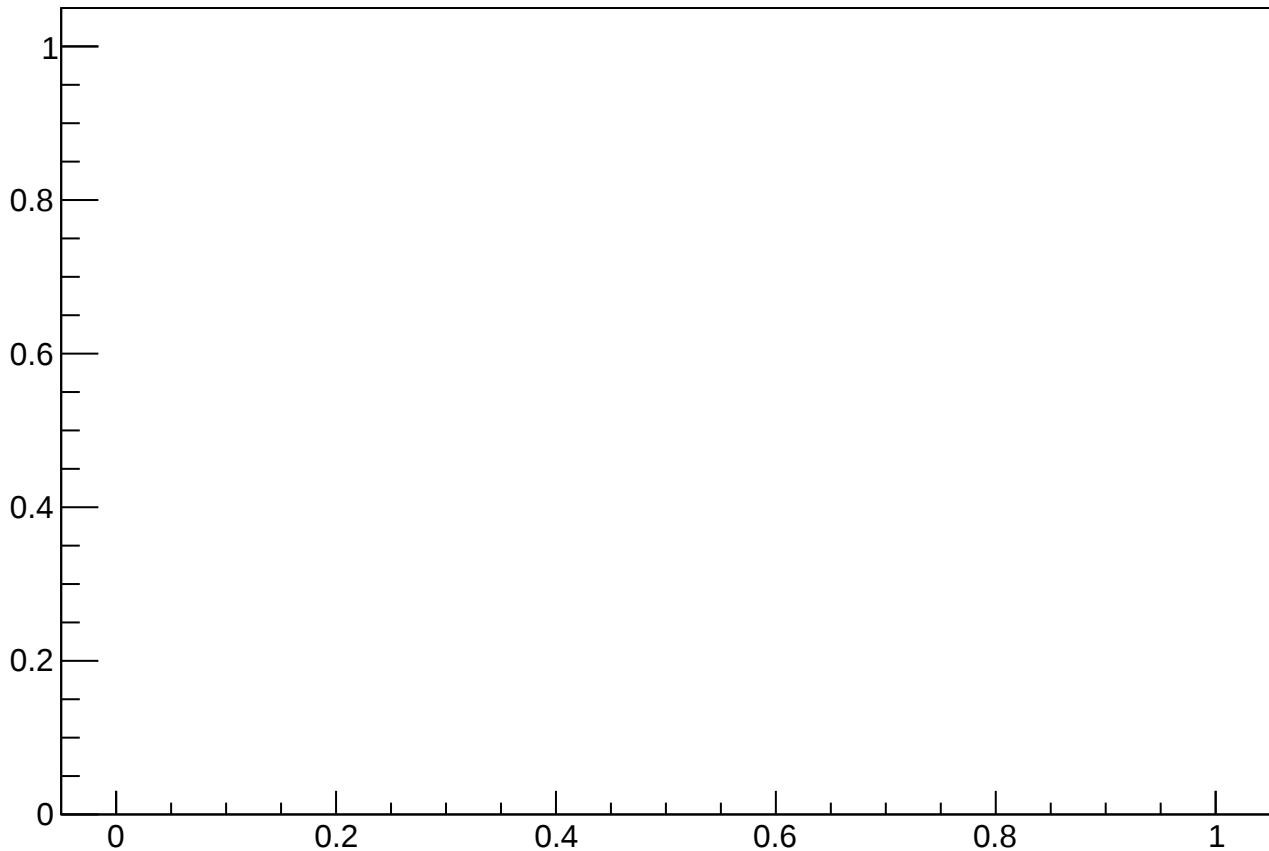
Left In: 1379.777+/-0.297 χ^2/NDF : 36122.3/13

+ sign 1435.186+/-0.240 χ^2/NDF : 1050023.9/32

All: 1431.950+/-0.170 χ^2/NDF : 1800004.2/65

- sign 1428.636+/-0.242 χ^2/NDF : 749610.8/32

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

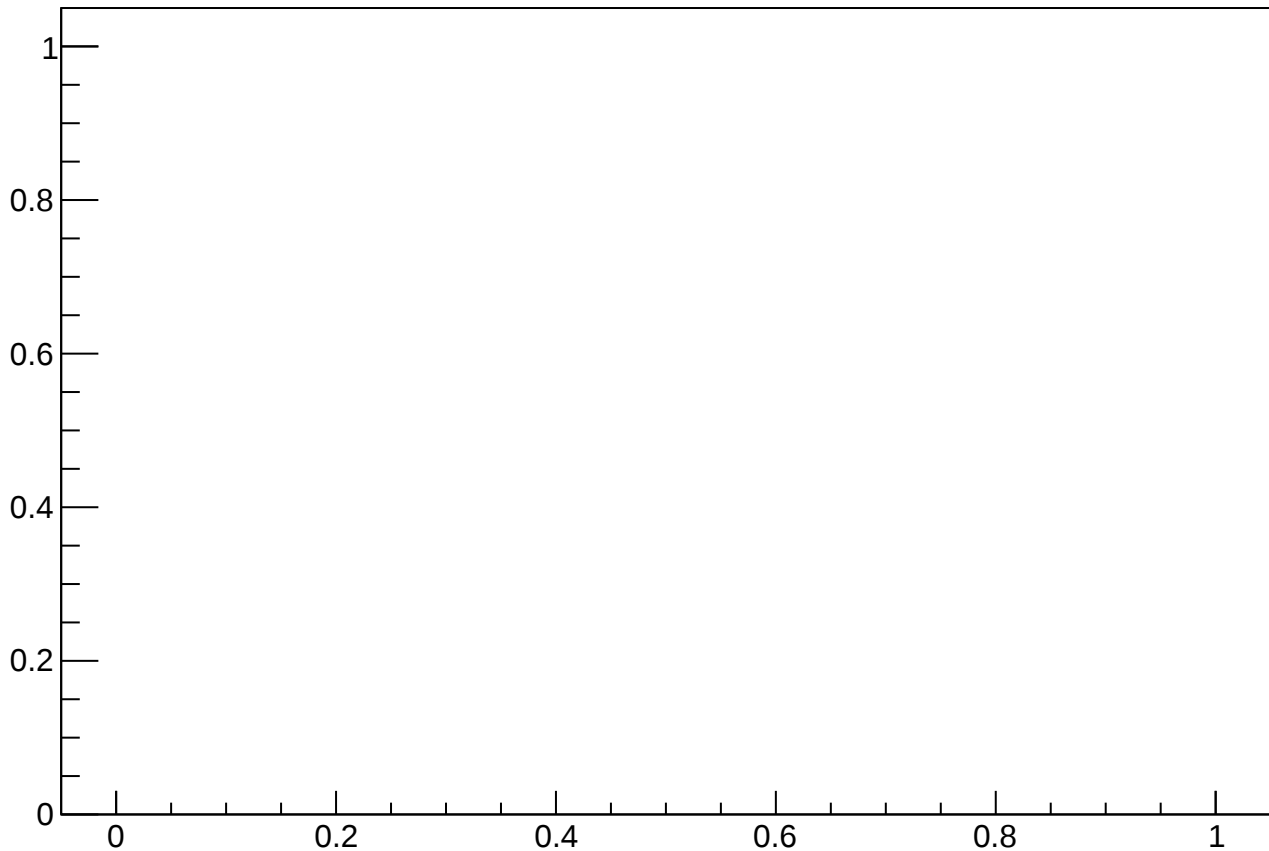
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ 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

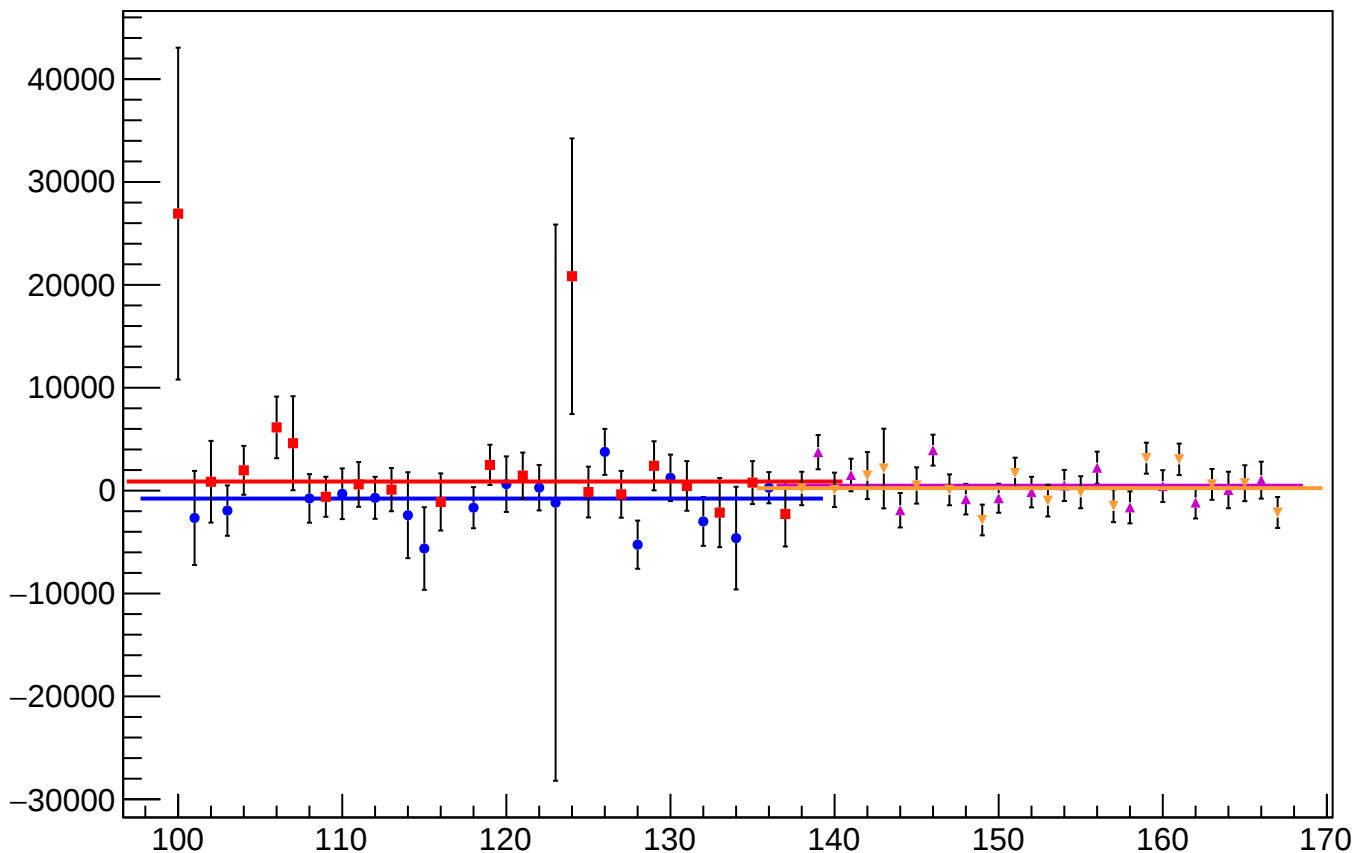
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

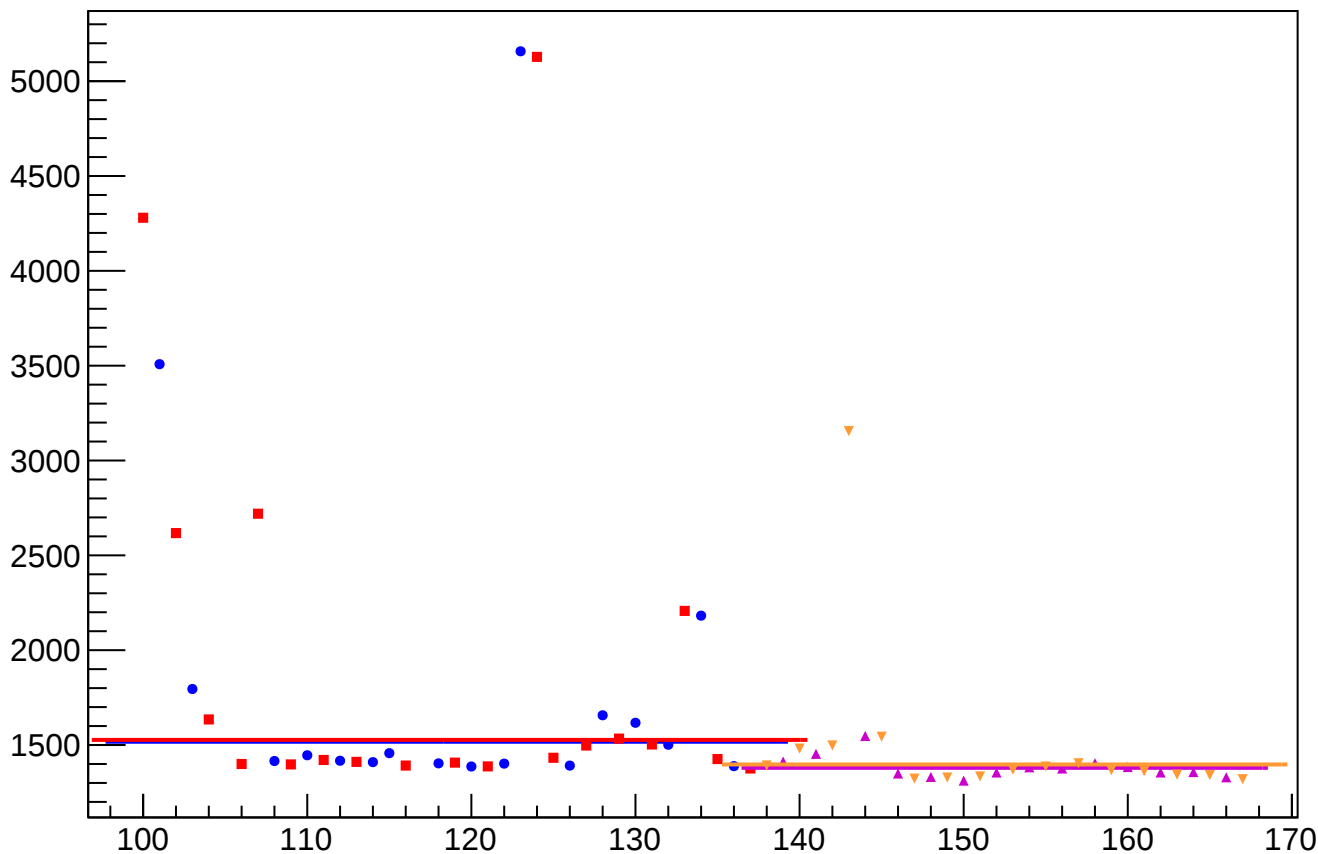
Left In: 477.553+/-419.369 χ^2/NDF : 17.6/13

+ sign -79.080+/-338.719 χ^2/NDF : 32.6/32

All: 262.732+/-240.938 χ^2/NDF : 66.1/65

- sign 612.815+/-342.792 χ^2/NDF : 31.4/32

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

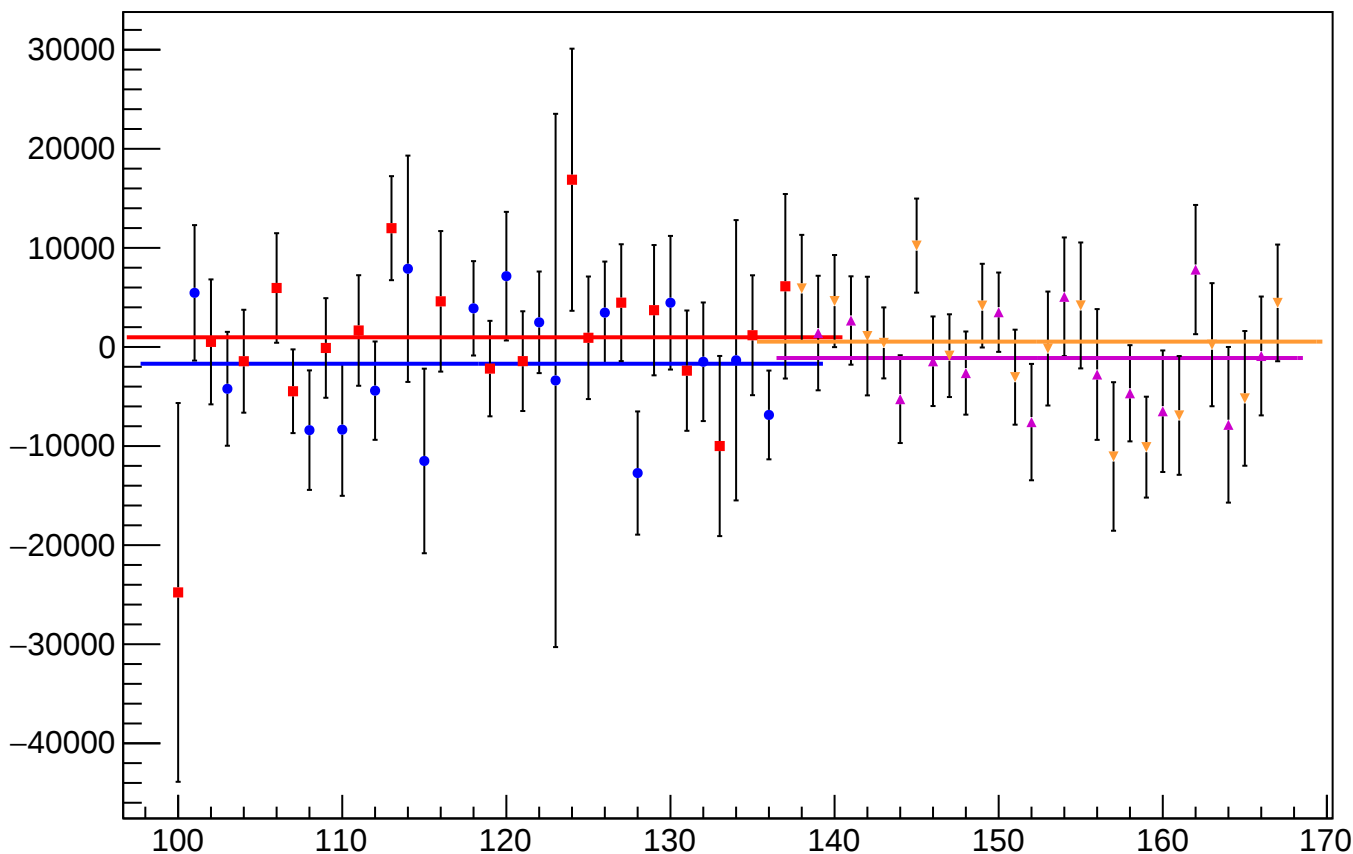
Left In: 1379.777 ± 0.297 χ^2/NDF : 36122.3/13

+ sign 1435.186 ± 0.240 χ^2/NDF : 1050023.9/32

All: 1431.950 ± 0.170 χ^2/NDF : 1800004.2/65

- sign 1428.636 ± 0.242 χ^2/NDF : 749610.8/32

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 540.077 $\pm$ 1287.608 χ^2 /NDF: 17.2/15

Right Out: 977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

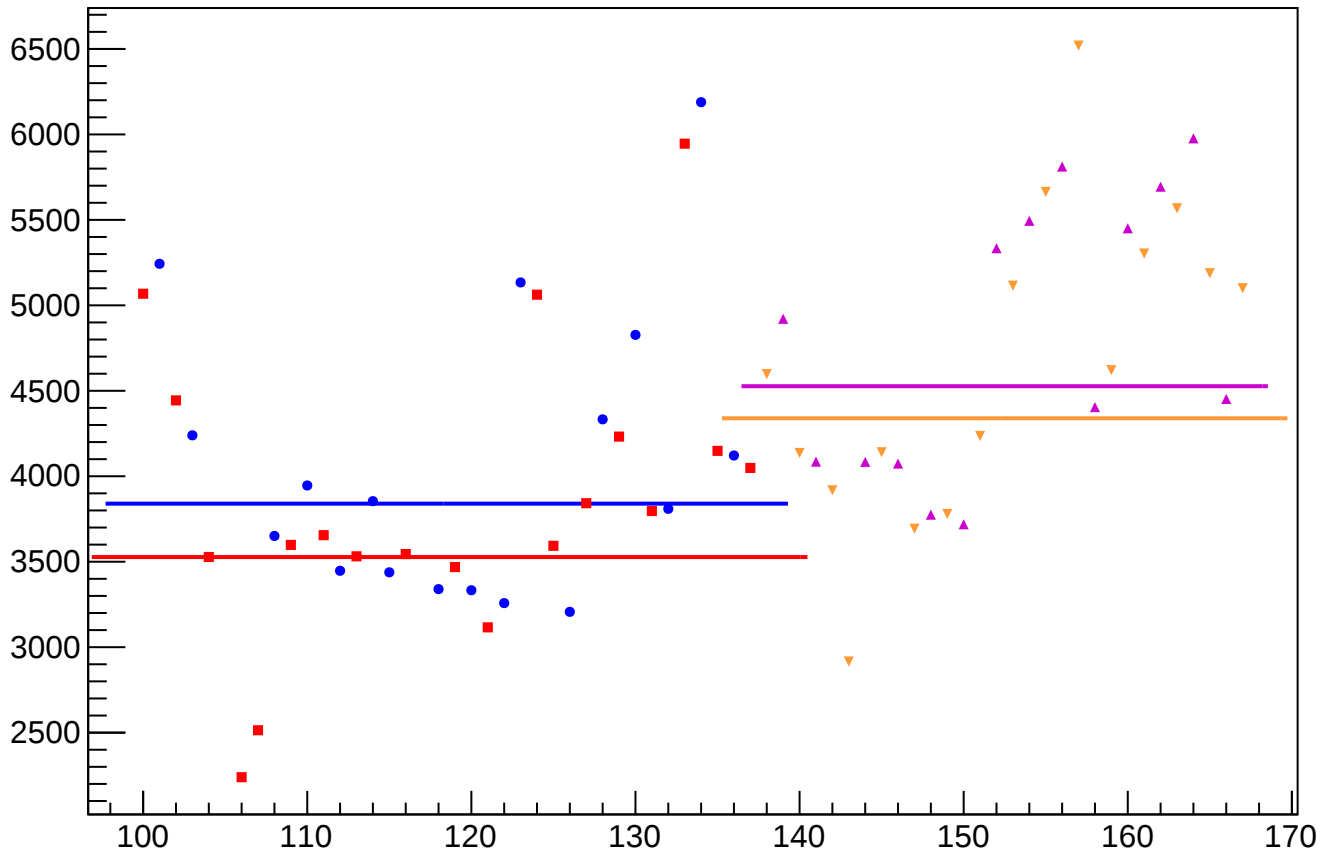
Left In: -1114.449 $\pm$ 1392.592 χ^2 /NDF: 9.5/13

+ sign -397.781 $\pm$ 980.563 χ^2 /NDF: 34.3/32

All: -227.722 $\pm$ 693.102 χ^2 /NDF: 58.9/65

- sign -57.919 $\pm$ 979.825 χ^2 /NDF: 24.6/32

reg_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

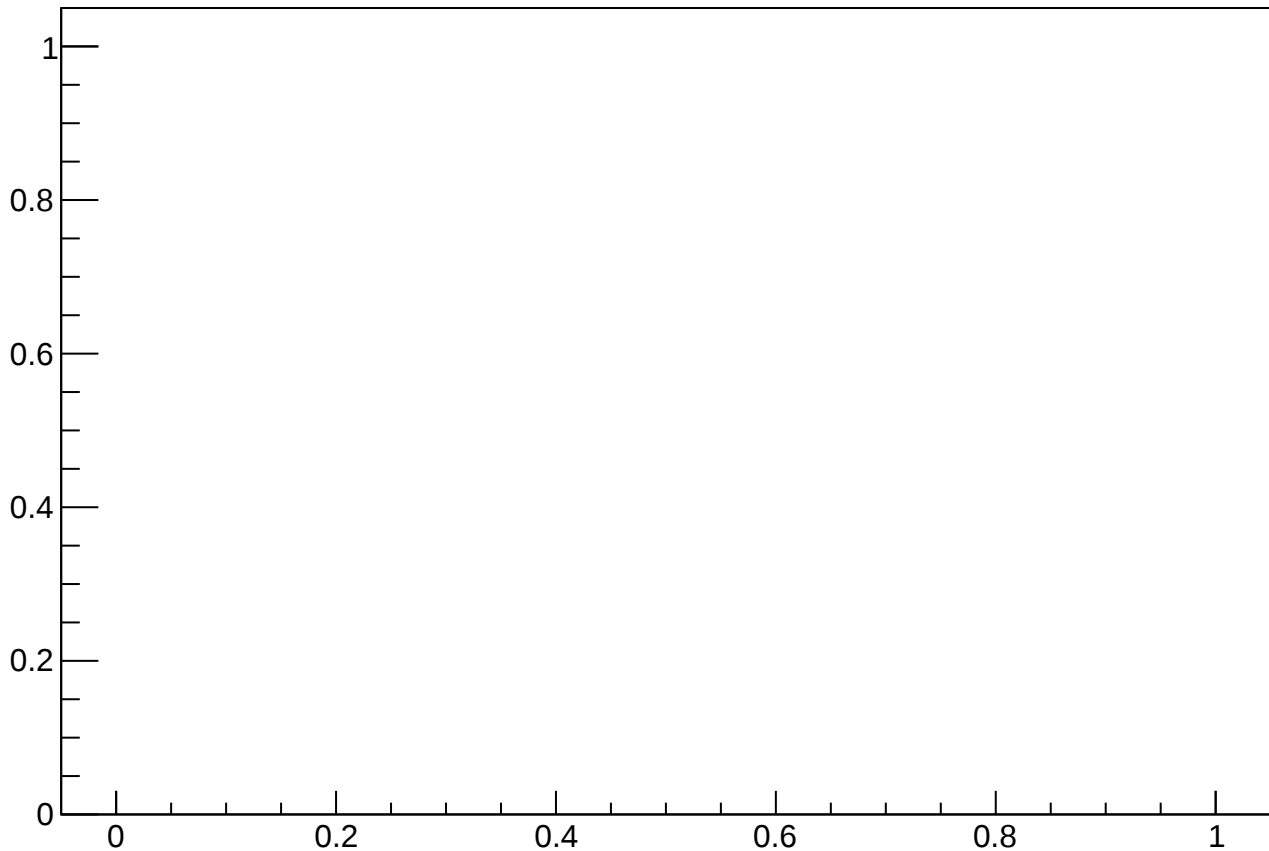
Left In: 4526.900+/-0.985 χ^2/NDF : 559517.4/13

+ sign 4129.425+/-0.693 χ^2/NDF : 1366948.3/32

All: 4073.212+/-0.489 χ^2/NDF : 3019344.1/65

- sign 4017.600+/-0.690 χ^2/NDF : 1639320.1/32

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



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

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

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

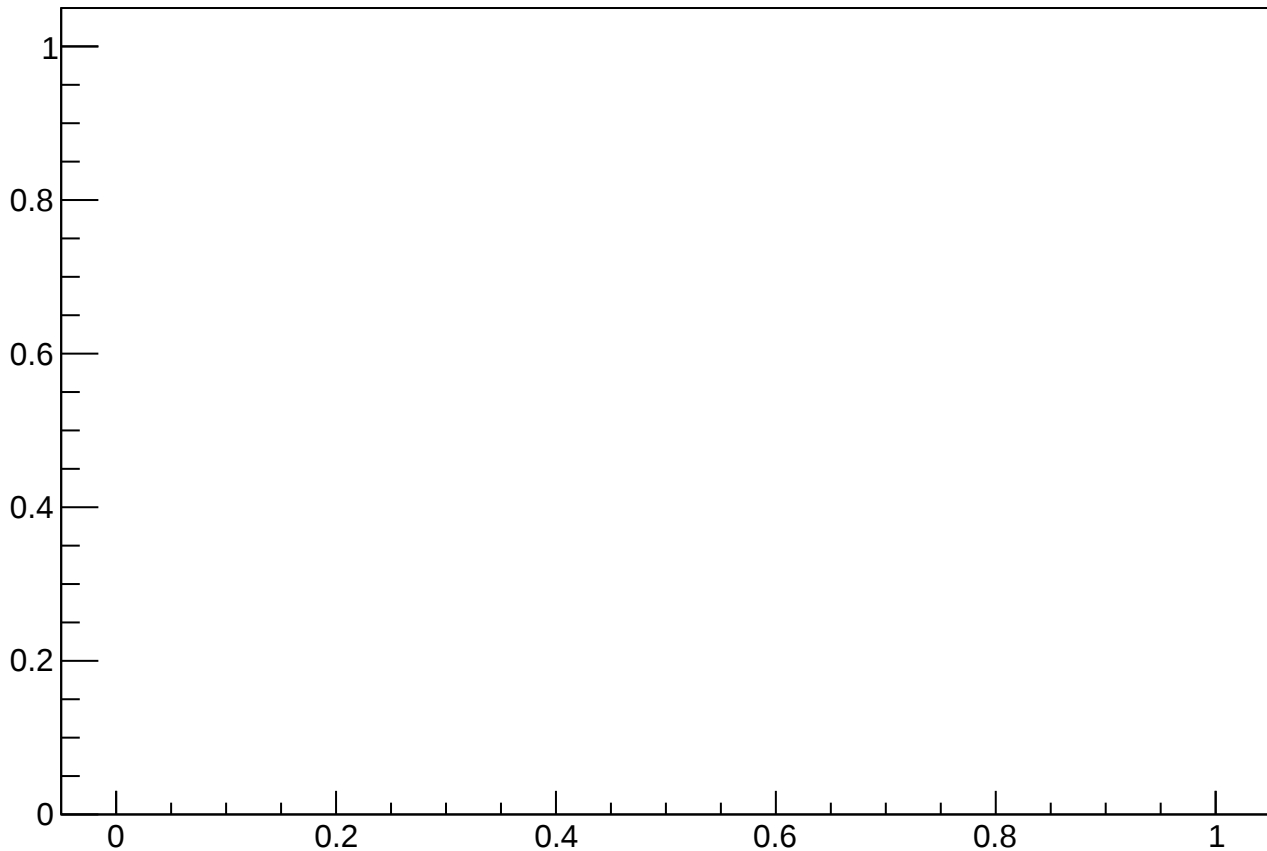
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ 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_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

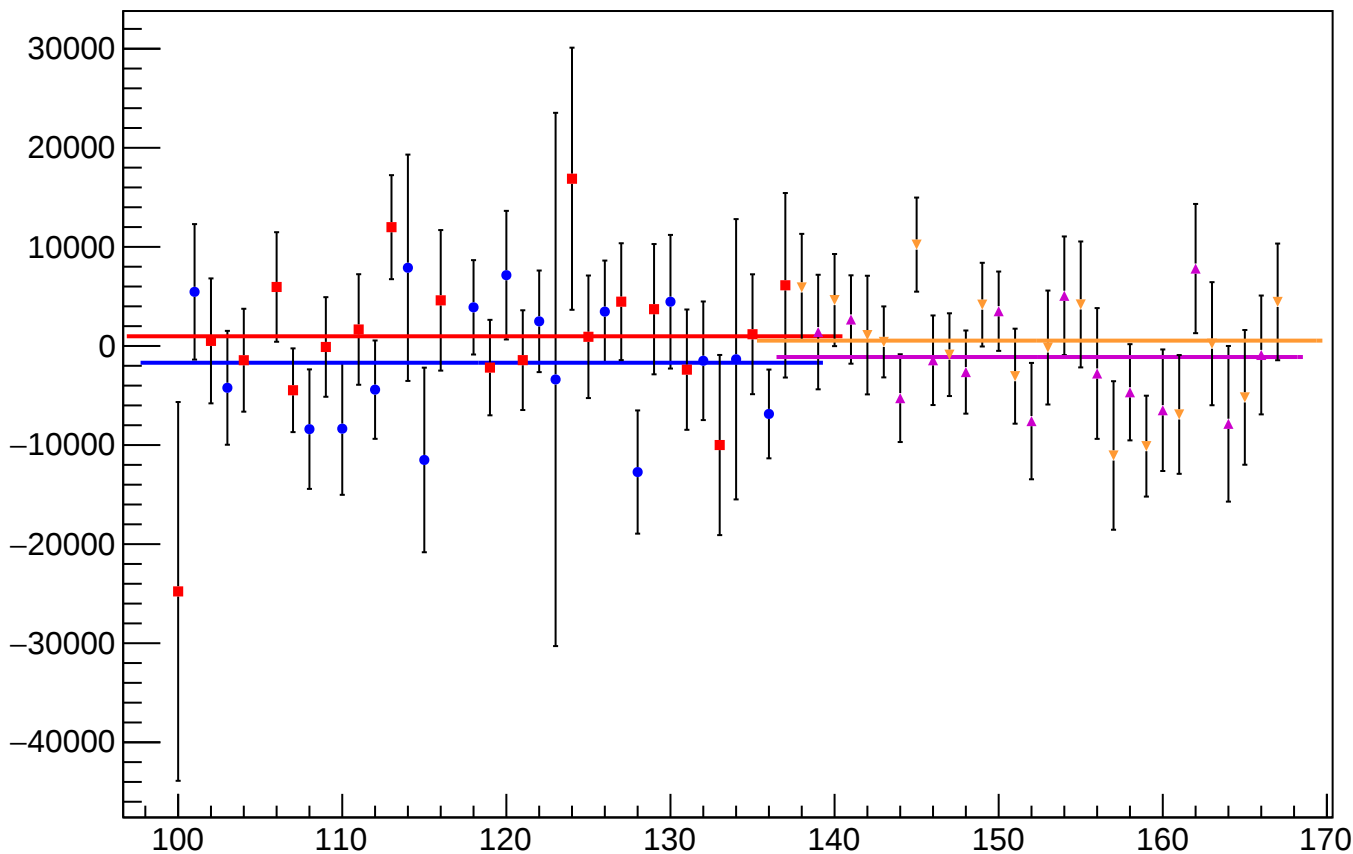
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ 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

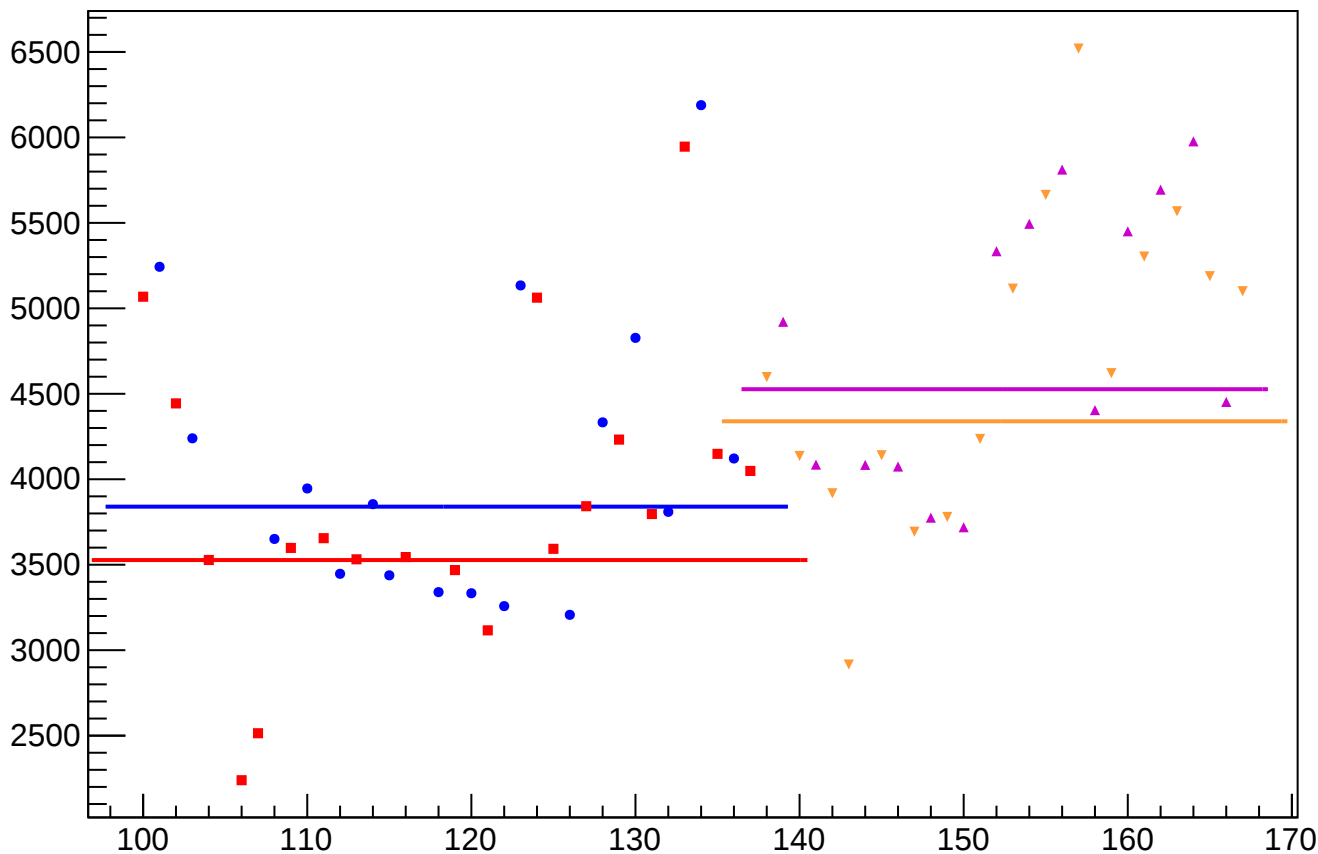
Left In: -1114.449 ± 1392.592 χ^2/NDF : 9.5/13

+ sign -397.781 ± 980.563 χ^2/NDF : 34.3/32

All: -227.722 ± 693.102 χ^2/NDF : 58.9/65

- sign -57.919 ± 979.825 χ^2/NDF : 24.6/32

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

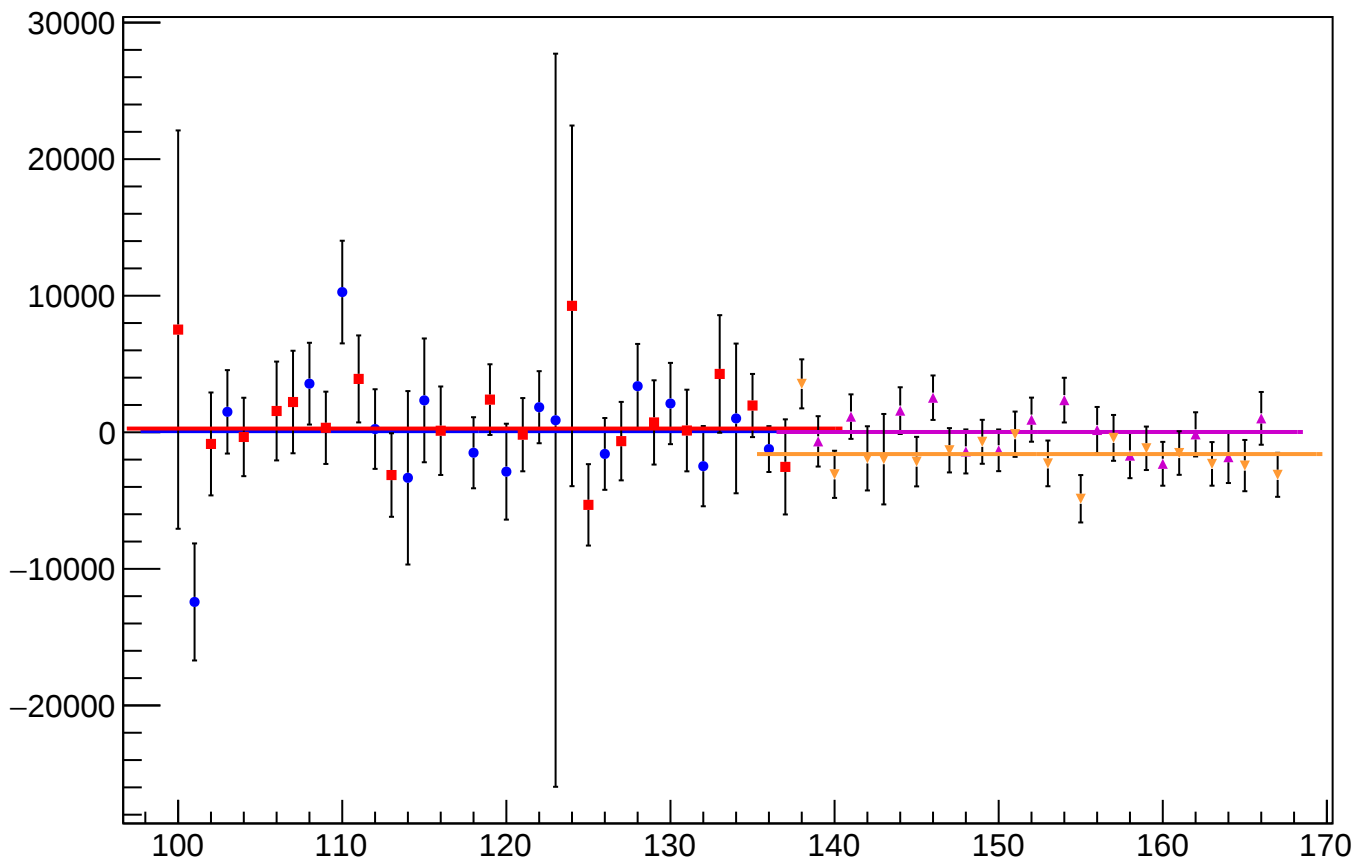
Left In: 4526.900+/-0.985 χ^2/NDF : 559517.4/13

+ sign 4129.425+/-0.693 χ^2/NDF : 1366948.3/32

All: 4073.212+/-0.489 χ^2/NDF : 3019344.1/65

- sign 4017.600+/-0.690 χ^2/NDF : 1639320.1/32

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1594.636 $\pm$ 436.638 χ^2 /NDF:15.8/15

Right Out: 272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

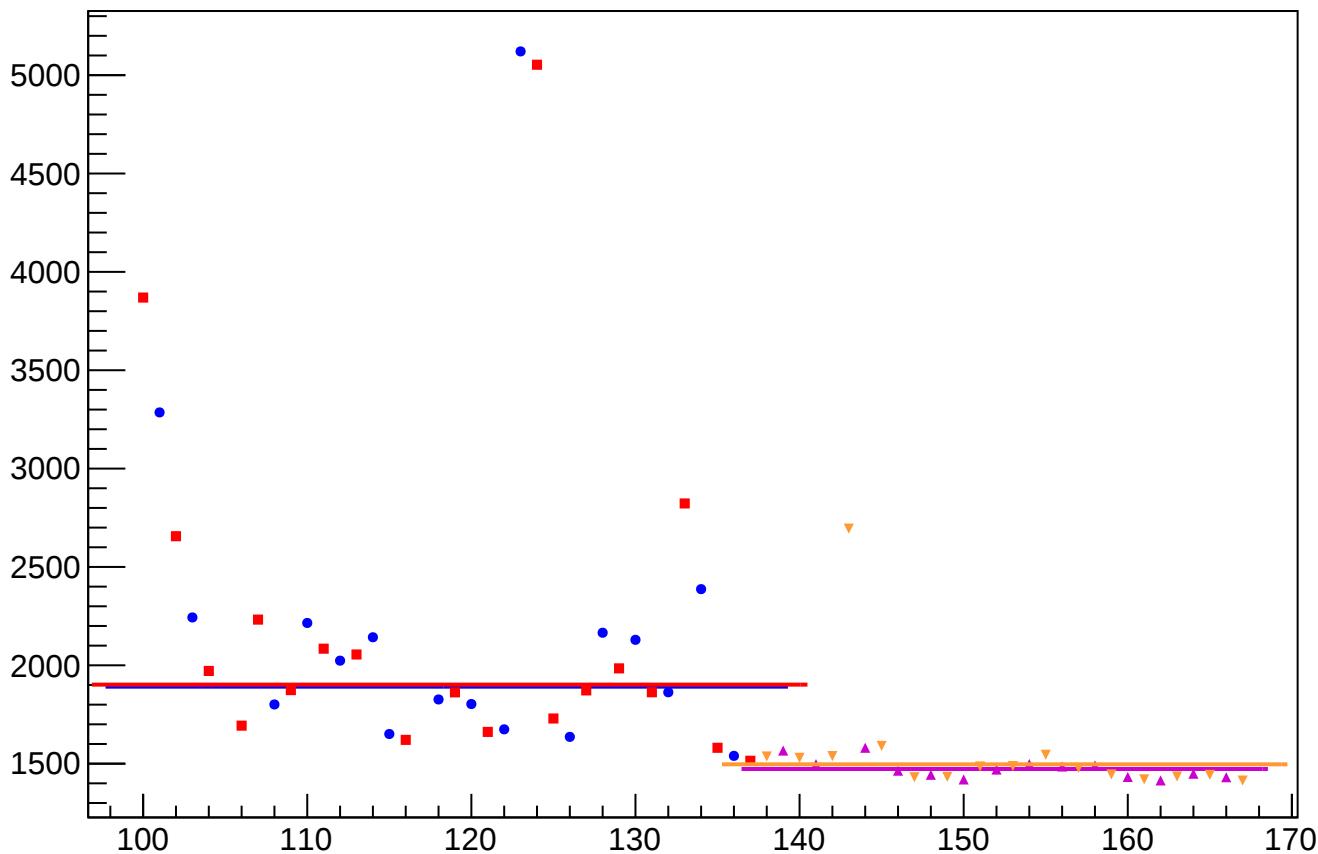
Left In: 21.824 $\pm$ 447.427 χ^2 /NDF:12.2/13

+ sign -1170.207 $\pm$ 377.417 χ^2 /NDF: 42.4/32

All: -547.915 $\pm$ 268.500 χ^2 /NDF: 70.3/65

- sign 89.776 $\pm$ 382.059 χ^2 /NDF: 22.4/32

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1496.671 $\pm$ 0.309 χ^2 /NDF: 294397.3/15

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

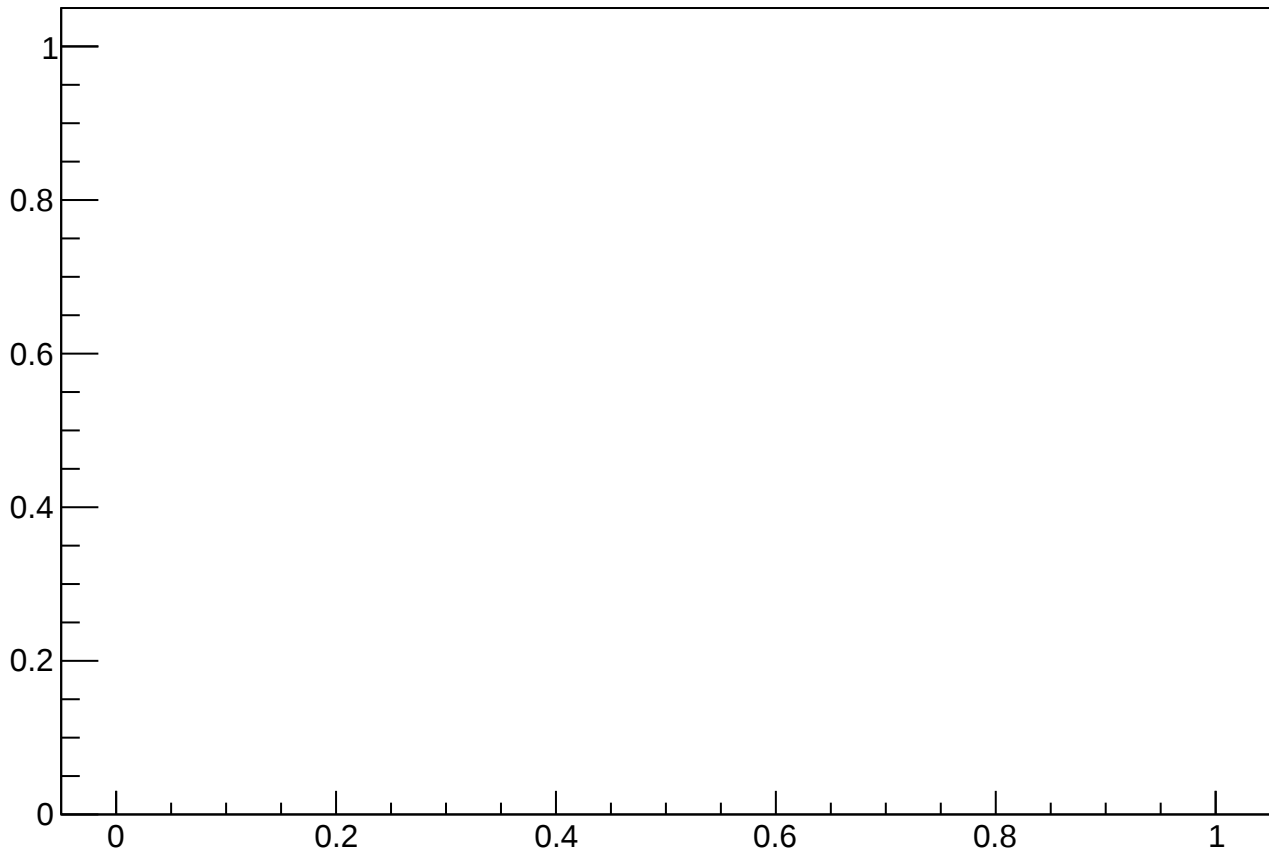
Left In: 1472.943 $\pm$ 0.316 χ^2 /NDF: 22689.7/13

+ sign 1596.508 $\pm$ 0.267 χ^2 /NDF: 1172396.5/32

All: 1592.850 $\pm$ 0.190 χ^2 /NDF: 2153829.9/65

- sign 1589.102 $\pm$ 0.270 χ^2 /NDF: 981053.0/32

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

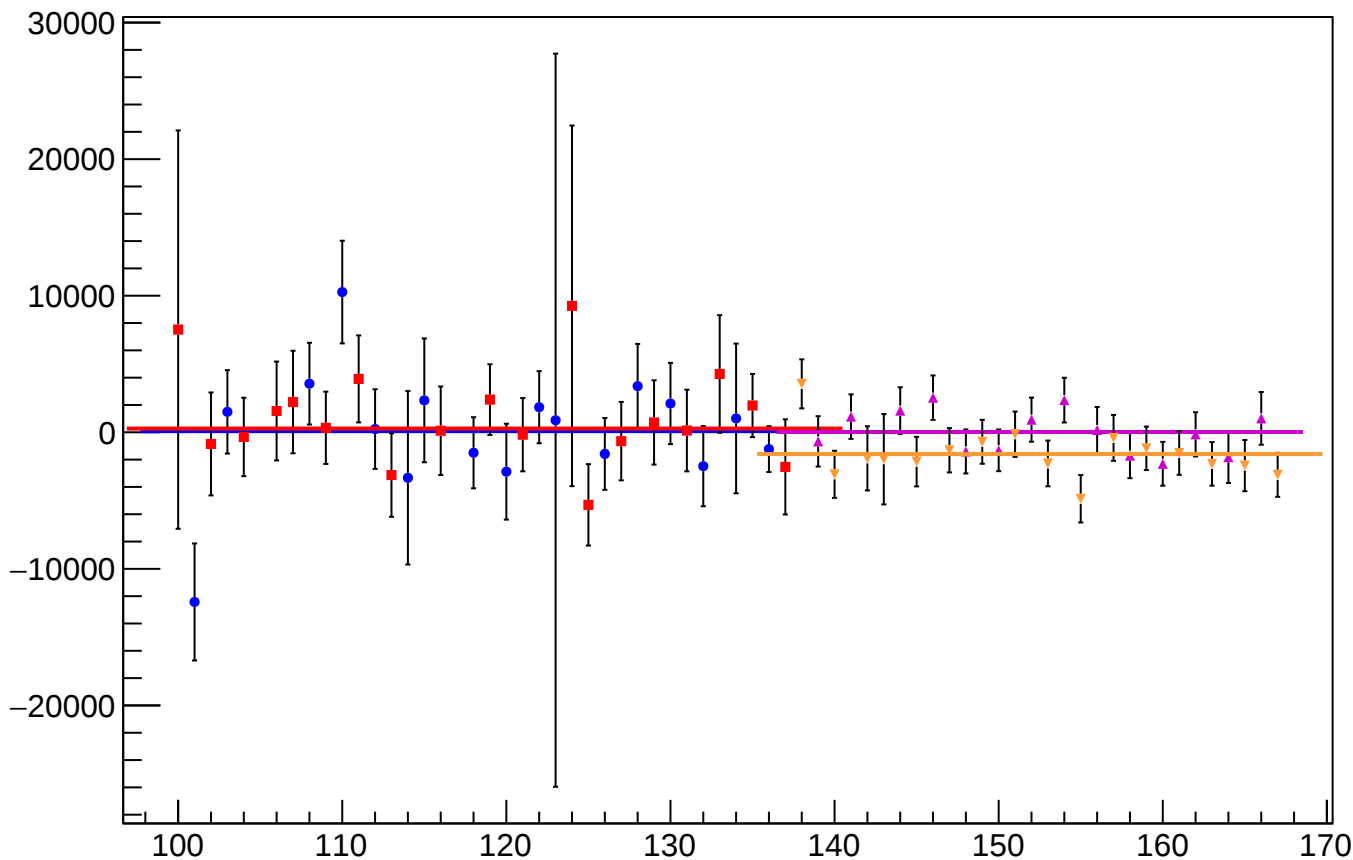
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

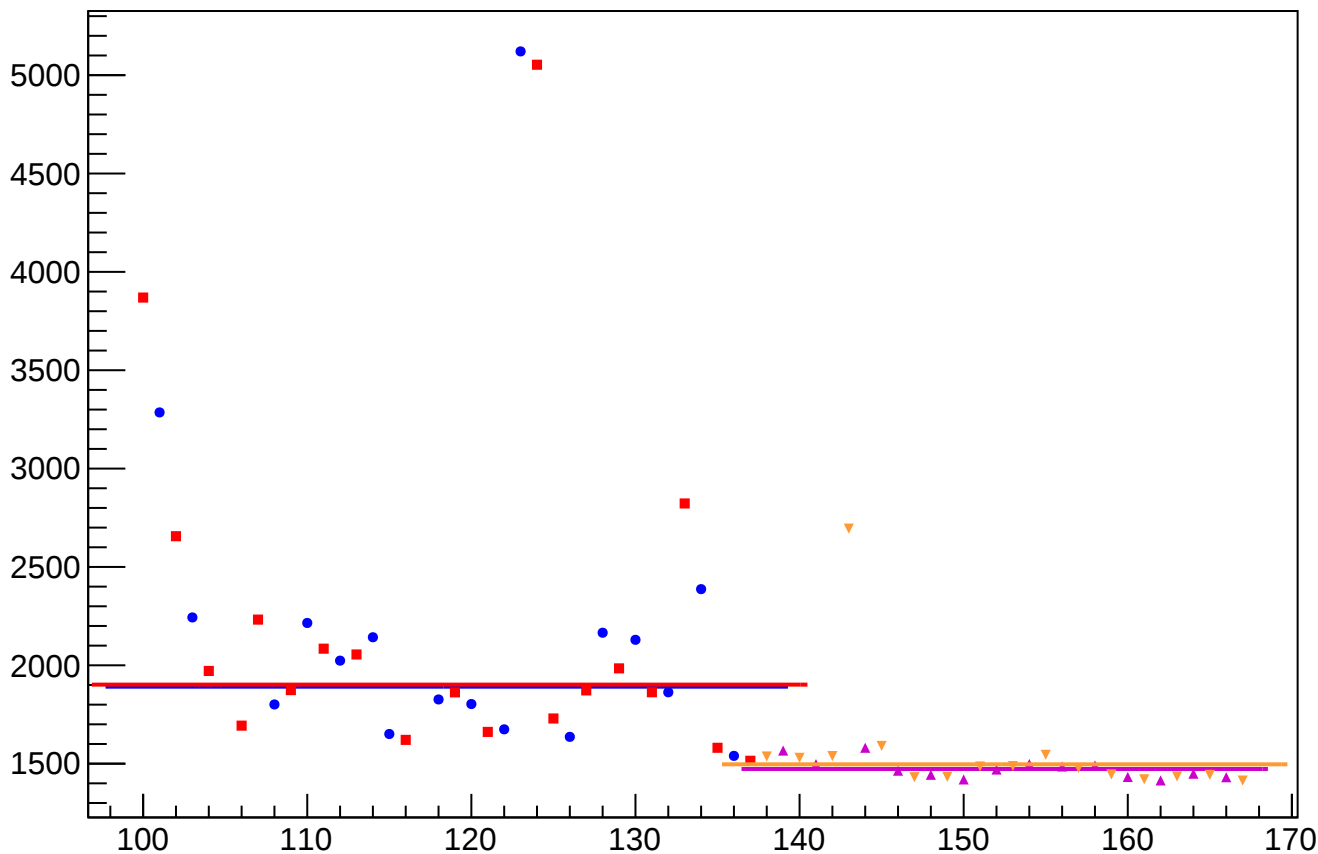
Left In: 21.824 $\pm$ 447.427 χ^2 /NDF:12.2/13

+ sign -1170.207 $\pm$ 377.417 χ^2 /NDF: 42.4/32

All: -547.915 $\pm$ 268.500 χ^2 /NDF: 70.3/65

- sign 89.776 $\pm$ 382.059 χ^2 /NDF: 22.4/32

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

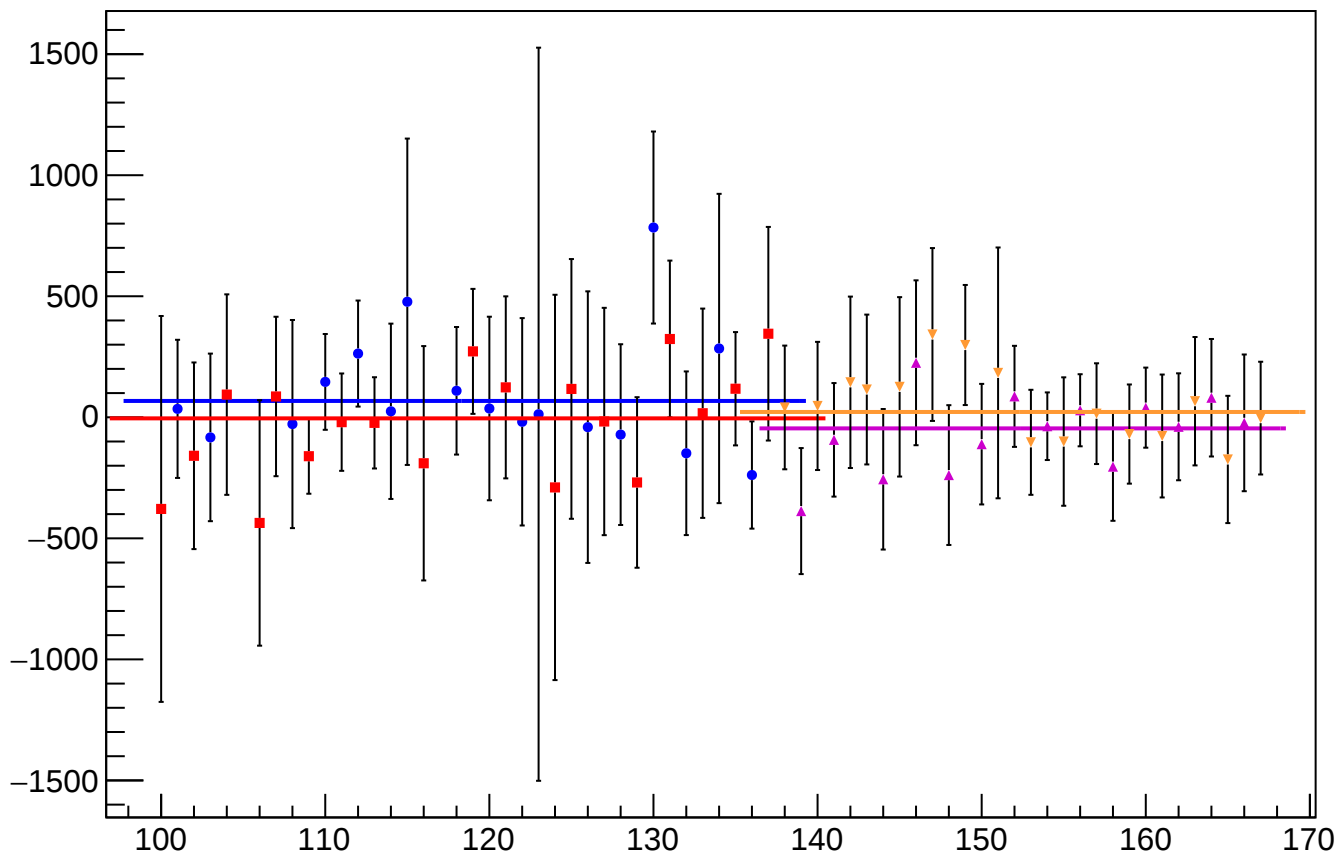
Left In: 1472.943 $\pm$ 0.316 χ^2 /NDF: 22689.7/13

+ sign 1596.508 $\pm$ 0.267 χ^2 /NDF: 1172396.5/32

All: 1592.850 $\pm$ 0.190 χ^2 /NDF: 2153829.9/65

- sign 1589.102 $\pm$ 0.270 χ^2 /NDF: 981053.0/32

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

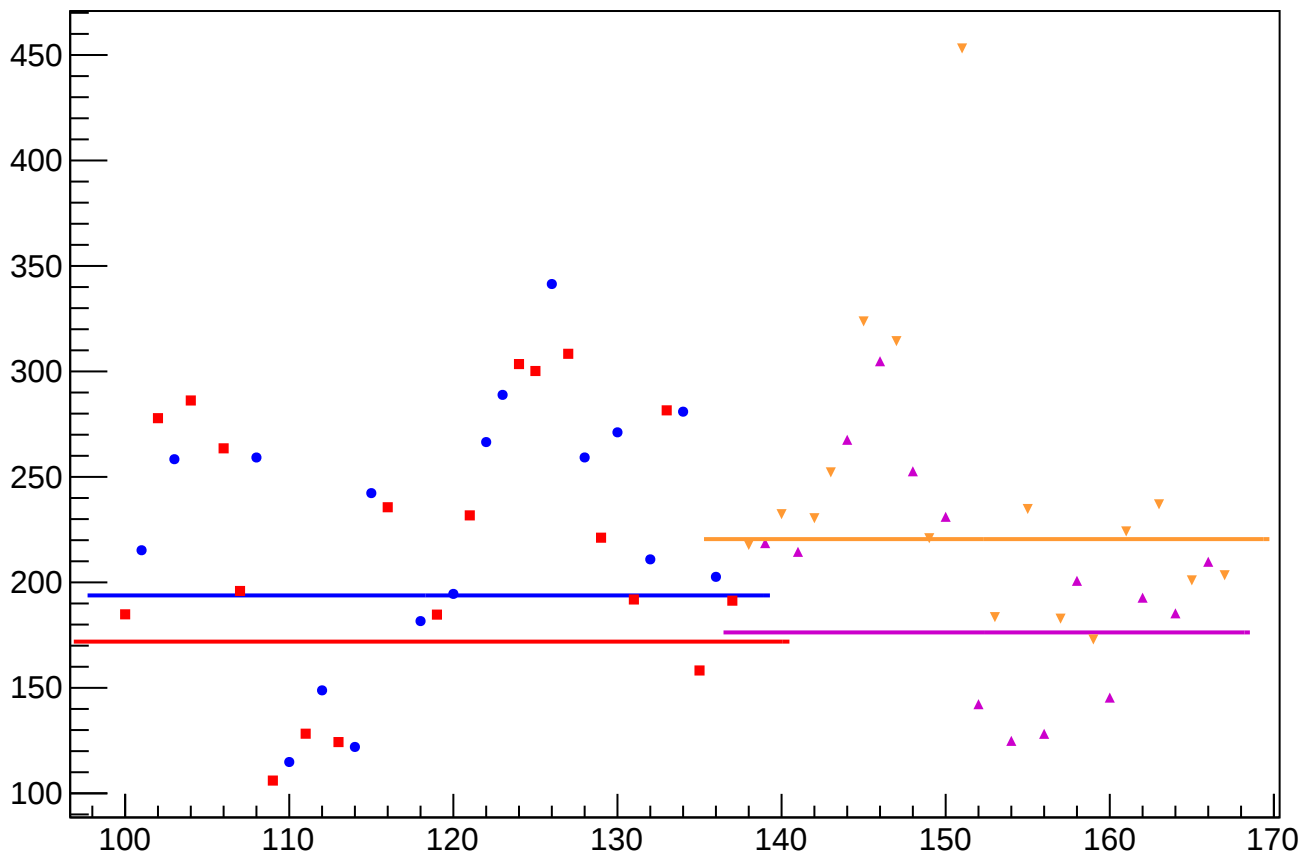
Left In: -45.819 $\pm$ 57.034 χ^2 /NDF: 5.1/13

+ sign 40.616 $\pm$ 50.901 χ^2 /NDF: 11.7/32

All: 0.767 $\pm$ 33.382 χ^2 /NDF: 24.5/65

- sign -29.305 $\pm$ 44.218 χ^2 /NDF: 11.7/32

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

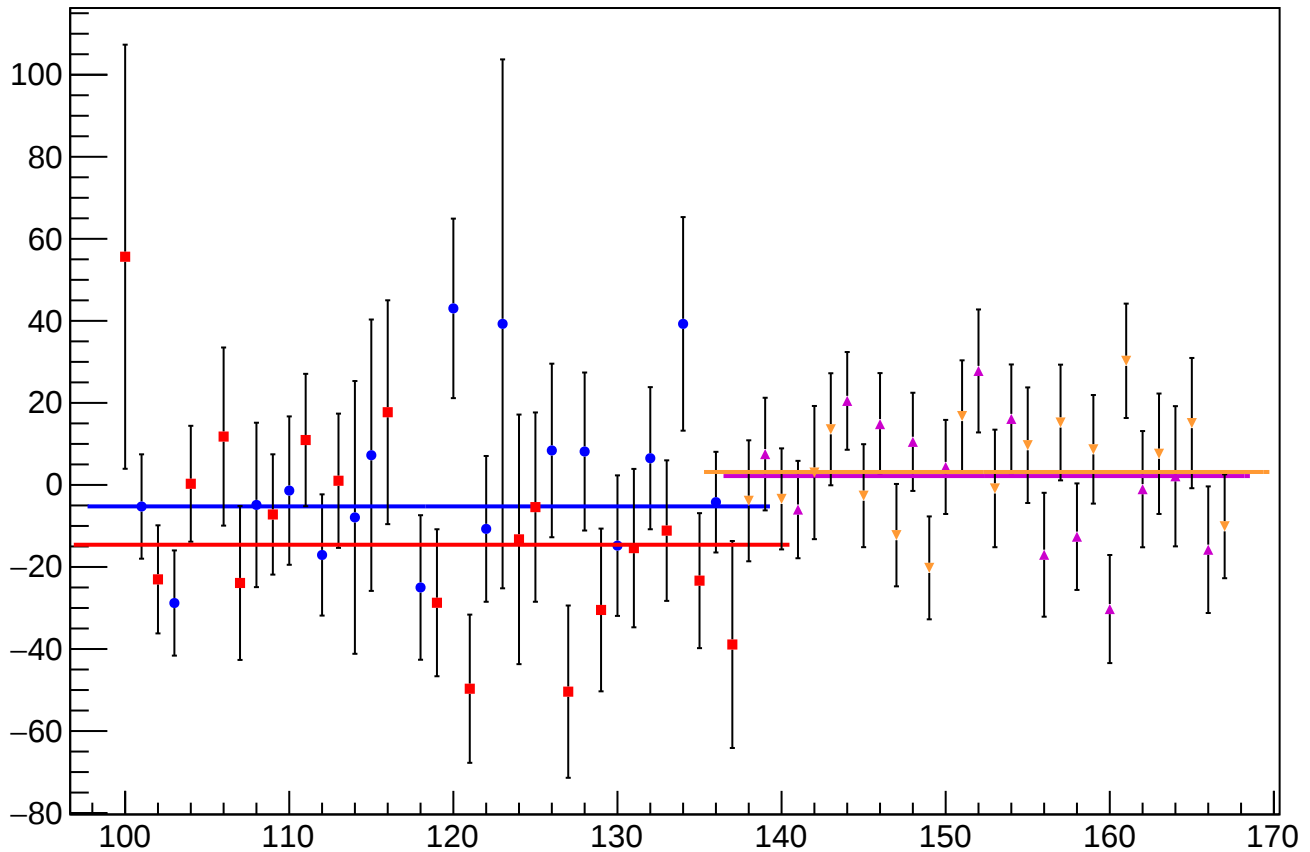
Left In: 176.278 $\pm$ 0.040 χ^2 /NDF: 1494025.5/13

+ sign 209.599 $\pm$ 0.036 χ^2 /NDF: 2134020.3/32

All: 189.618 $\pm$ 0.024 χ^2 /NDF: 5750521.0/65

- sign 174.540 $\pm$ 0.031 χ^2 /NDF: 3075760.6/32

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 $\pm$ 4.356 χ^2/NDF : 15.5/16

Left Out: 3.156 $\pm$ 3.420 χ^2/NDF : 14.0/15

Right Out: -14.579 $\pm$ 4.265 χ^2/NDF : 19.5/18

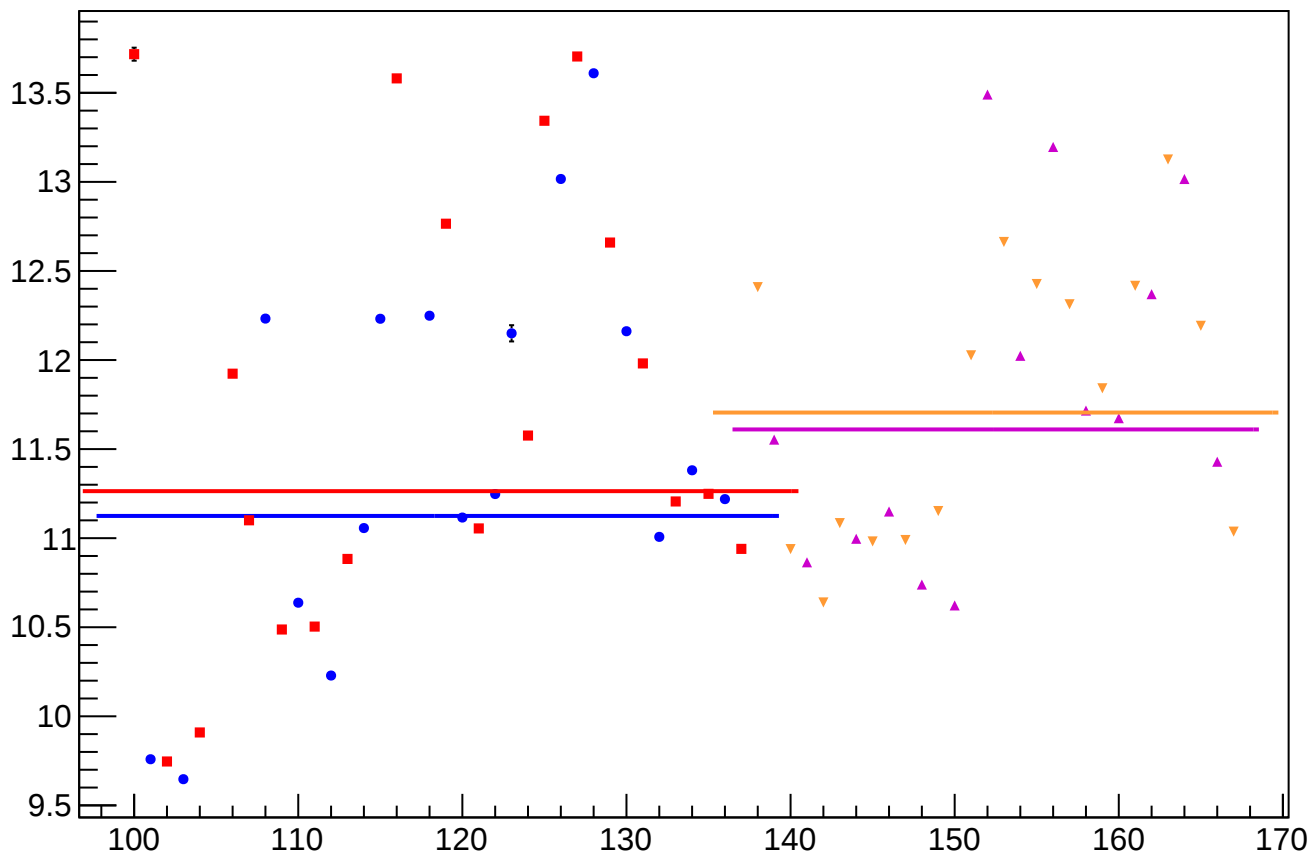
Left In: 2.161 $\pm$ 3.551 χ^2/NDF : 18.9/13

+ sign -0.042 $\pm$ 2.690 χ^2/NDF : 31.8/32

All: -2.334 $\pm$ 1.916 χ^2/NDF : 80.9/65

- sign -4.693 $\pm$ 2.729 χ^2/NDF : 47.6/32

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

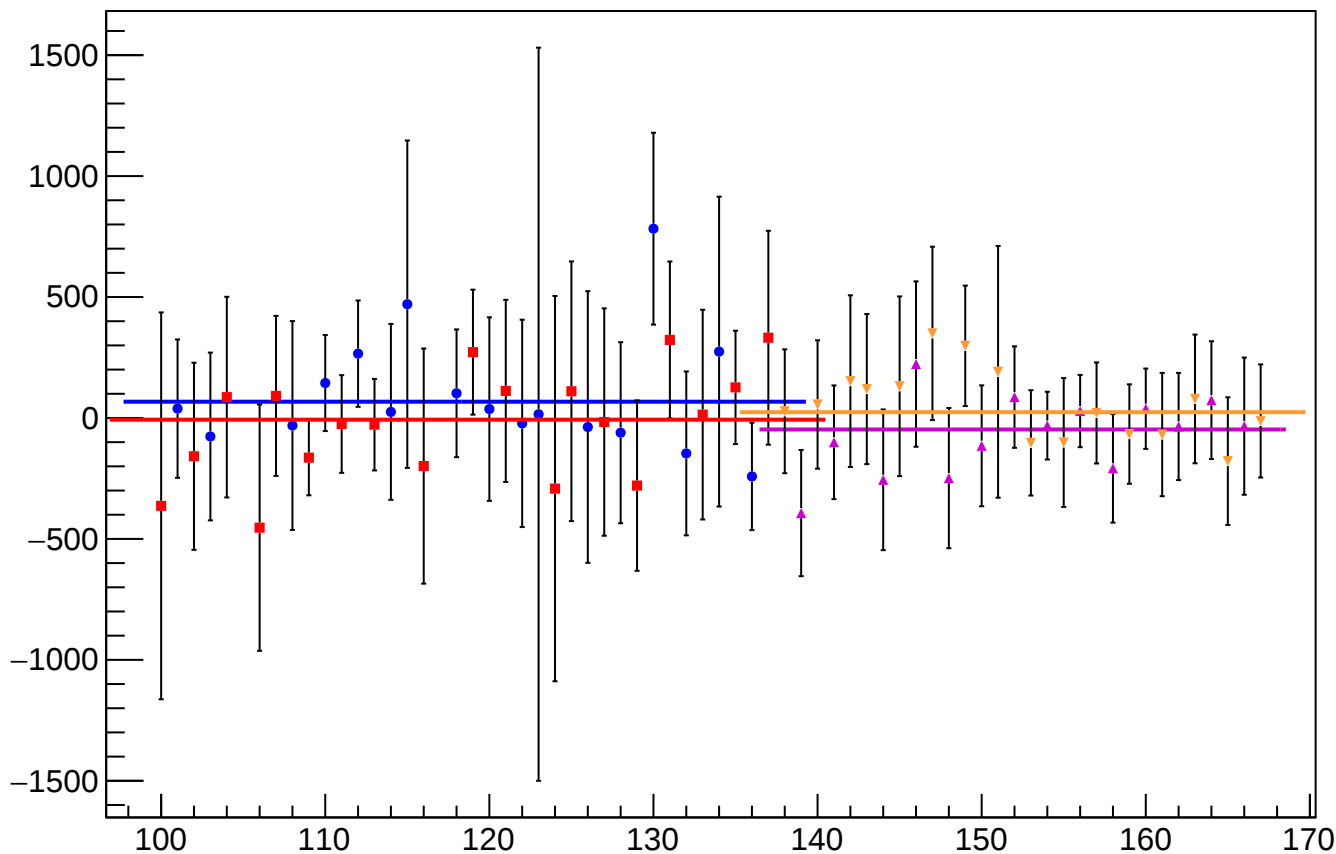
Left In: 11.610 $\pm$ 0.003 χ^2 /NDF: 116589.8/13

+ sign 11.484 $\pm$ 0.002 χ^2 /NDF: 247260.6/32

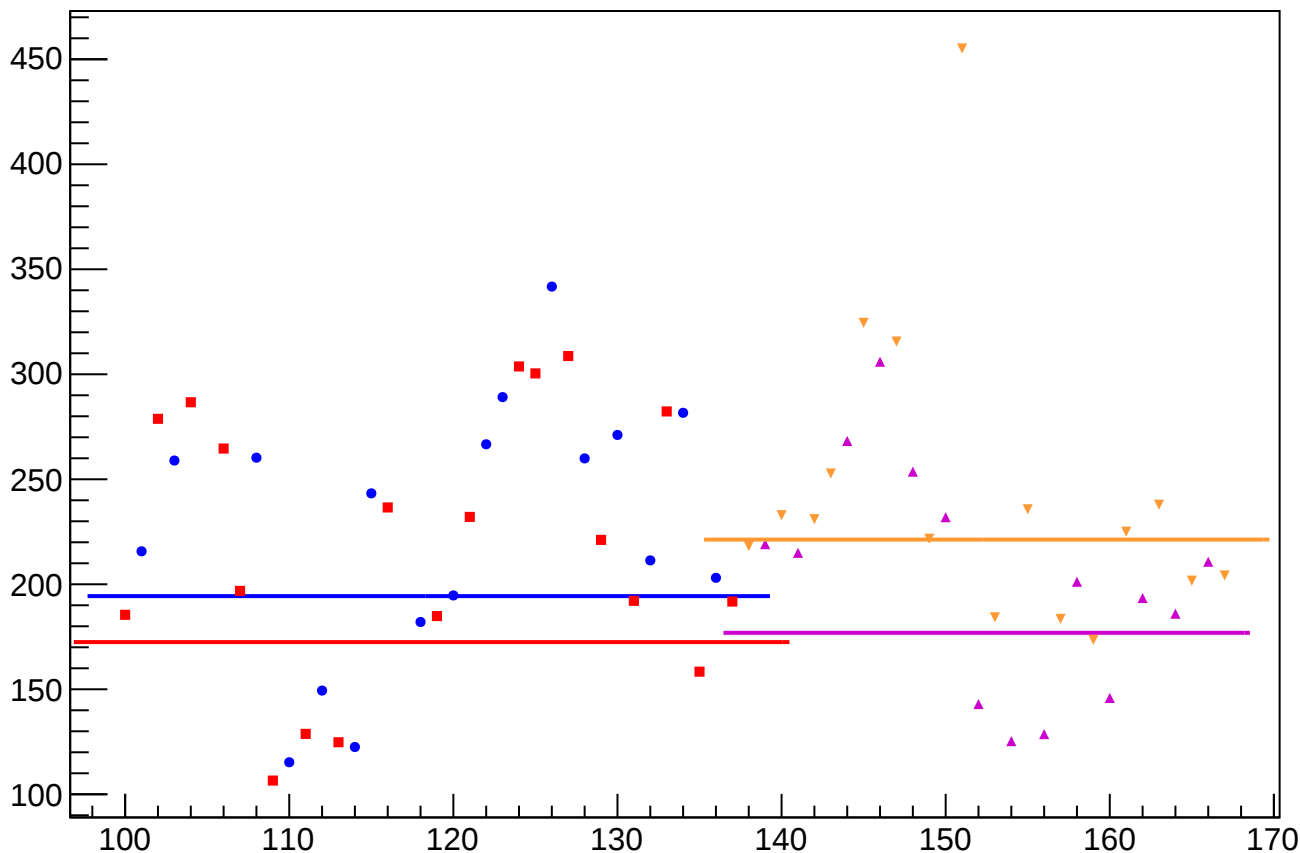
All: 11.476 $\pm$ 0.001 χ^2 /NDF: 519406.8/65

- sign 11.469 $\pm$ 0.002 χ^2 /NDF: 272114.0/32

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



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

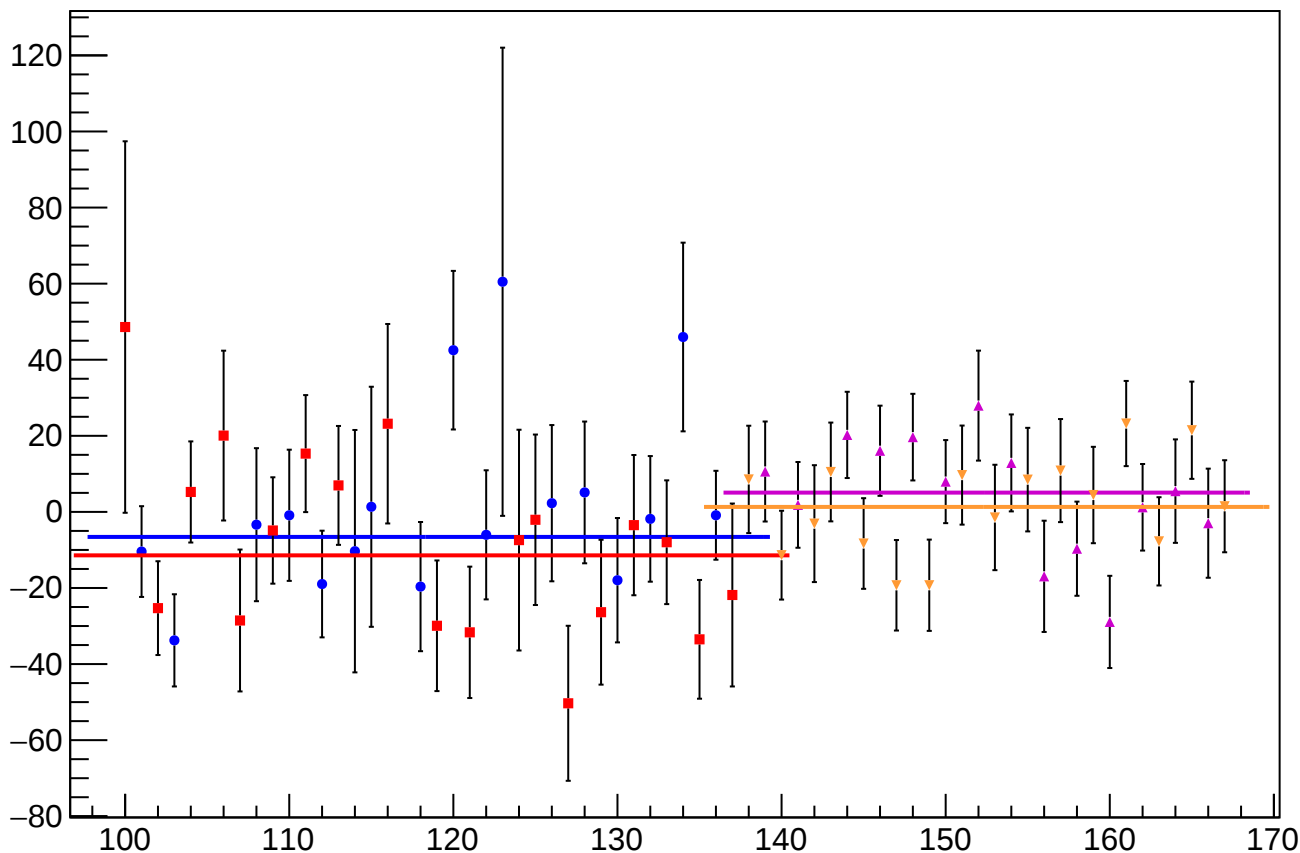
Left In: 176.888 $\pm$ 0.040 χ^2 /NDF: 1492107.7/13

+ sign 210.270 $\pm$ 0.036 χ^2 /NDF: 2129437.6/32

All: 190.241 $\pm$ 0.024 χ^2 /NDF: 5735918.7/65

- sign 175.125 $\pm$ 0.031 χ^2 /NDF: 3066509.7/32

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

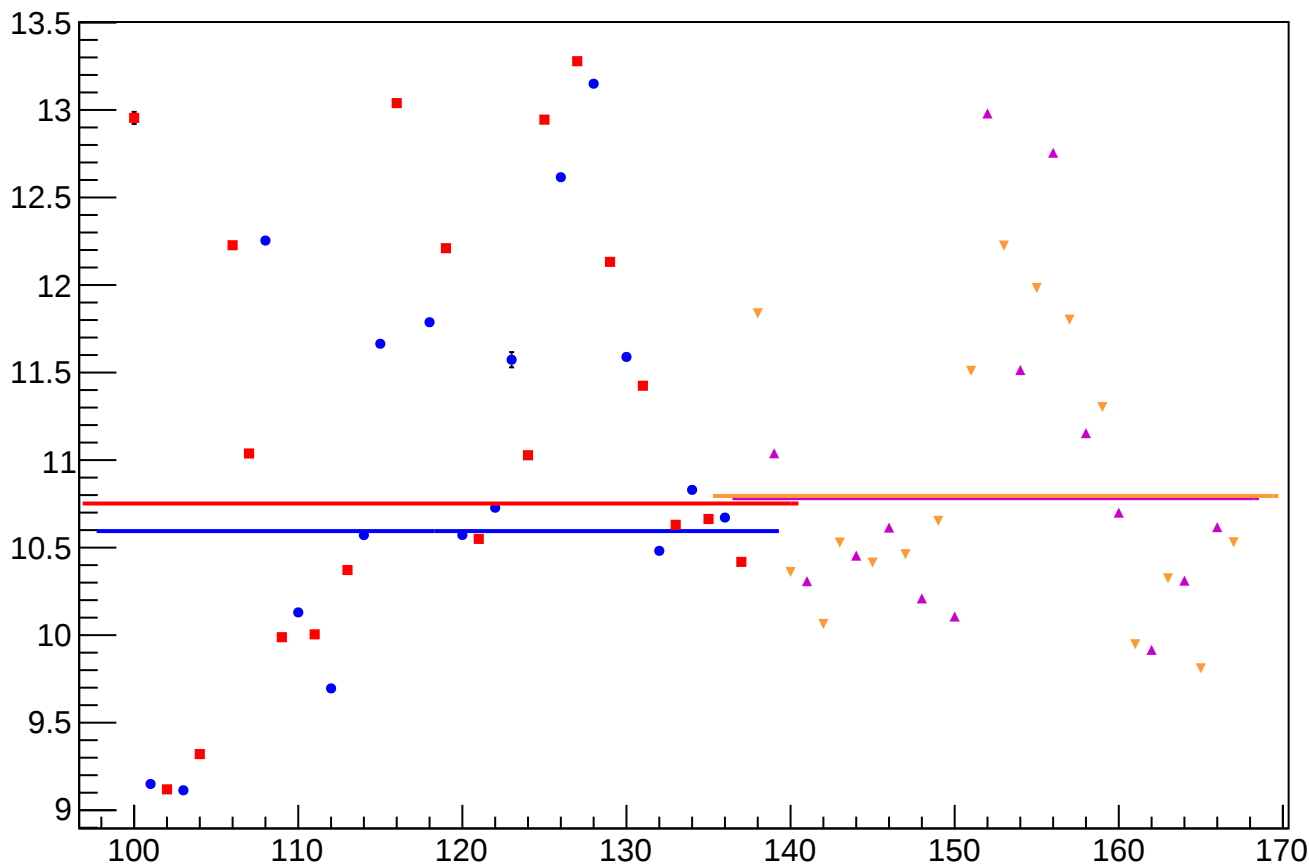
Left In: 5.069 ± 3.304 χ^2/NDF : 19.5/13

+ sign -1.578 ± 2.516 χ^2/NDF : 38.5/32

All: -1.522 ± 1.797 χ^2/NDF : 90.8/65

- sign -1.463 ± 2.568 χ^2/NDF : 52.3/32

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

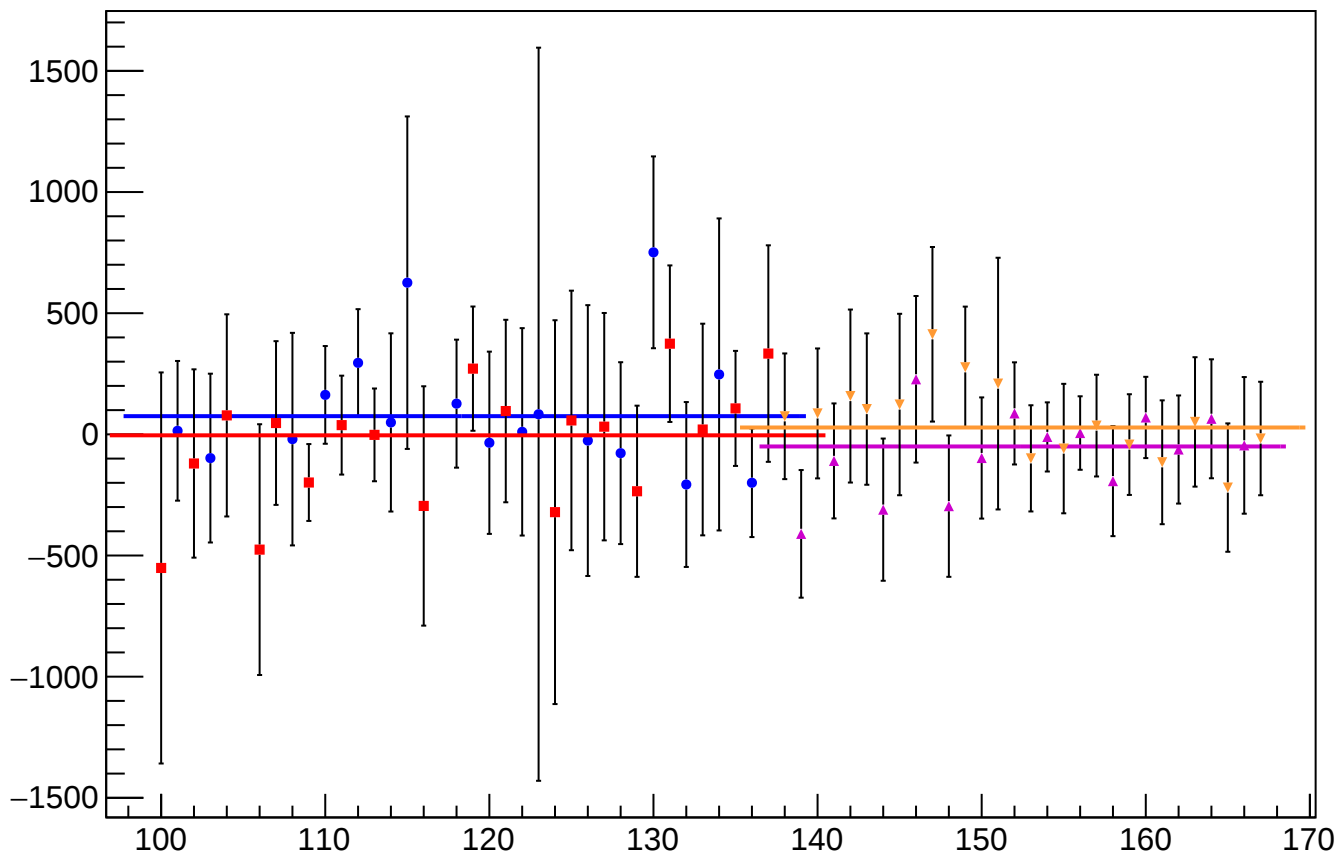
Left In: 10.782 $\pm$ 0.002 χ^2 /NDF:124507.5/13

+ sign 10.722 $\pm$ 0.002 χ^2 /NDF: 270353.7/32

All: 10.745 $\pm$ 0.001 χ^2 /NDF: 572469.5/65

- sign 10.770 $\pm$ 0.002 χ^2 /NDF: 301747.2/32

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

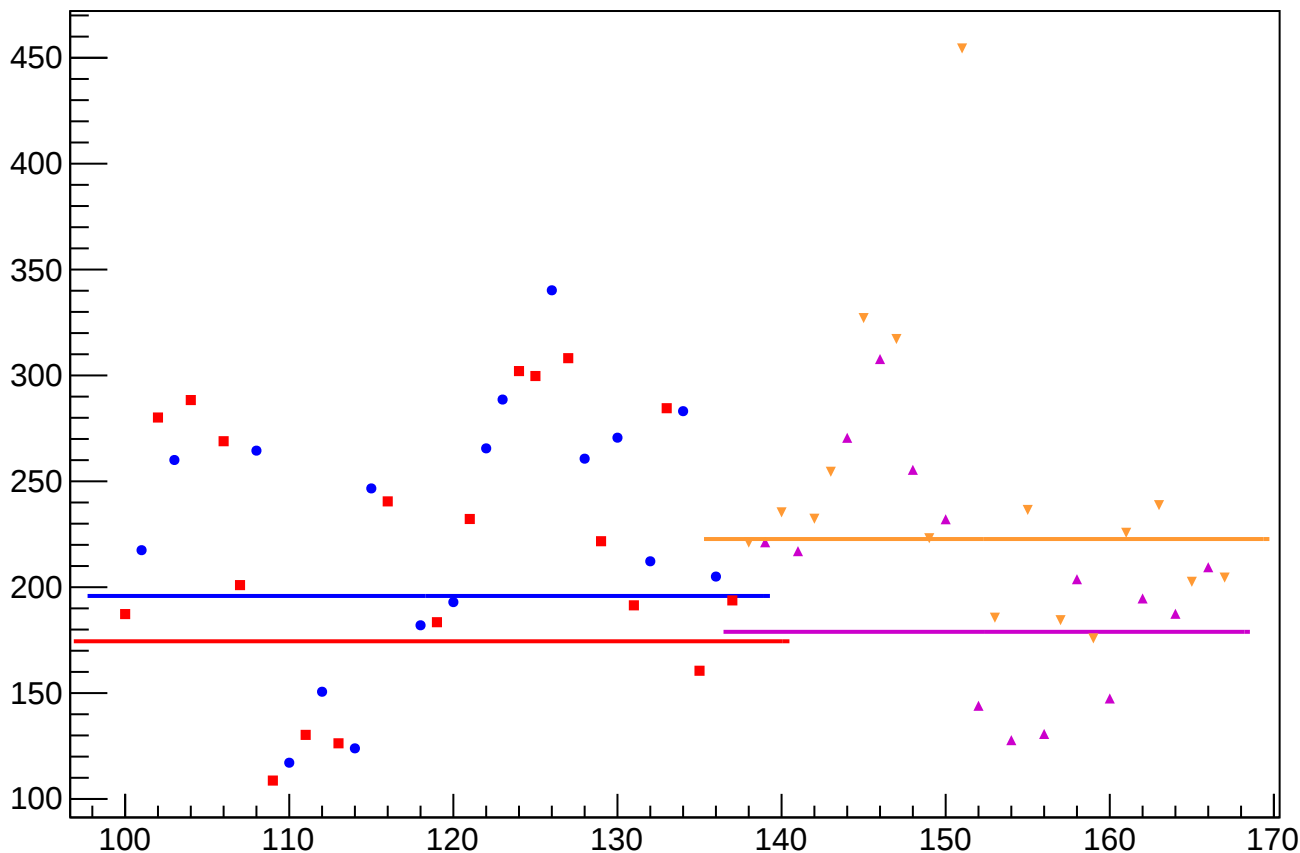
Left In: -49.964+/-57.802 χ^2/NDF : 5.9/13

+ sign 47.441+/-51.383 χ^2/NDF : 12.3/32

All: 2.529+/-33.766 χ^2/NDF : 27.1/65

- sign -31.606+/-44.796 χ^2/NDF : 13.5/32

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 222.750 $\pm$ 0.047 χ^2 /NDF: 979852.2/15

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

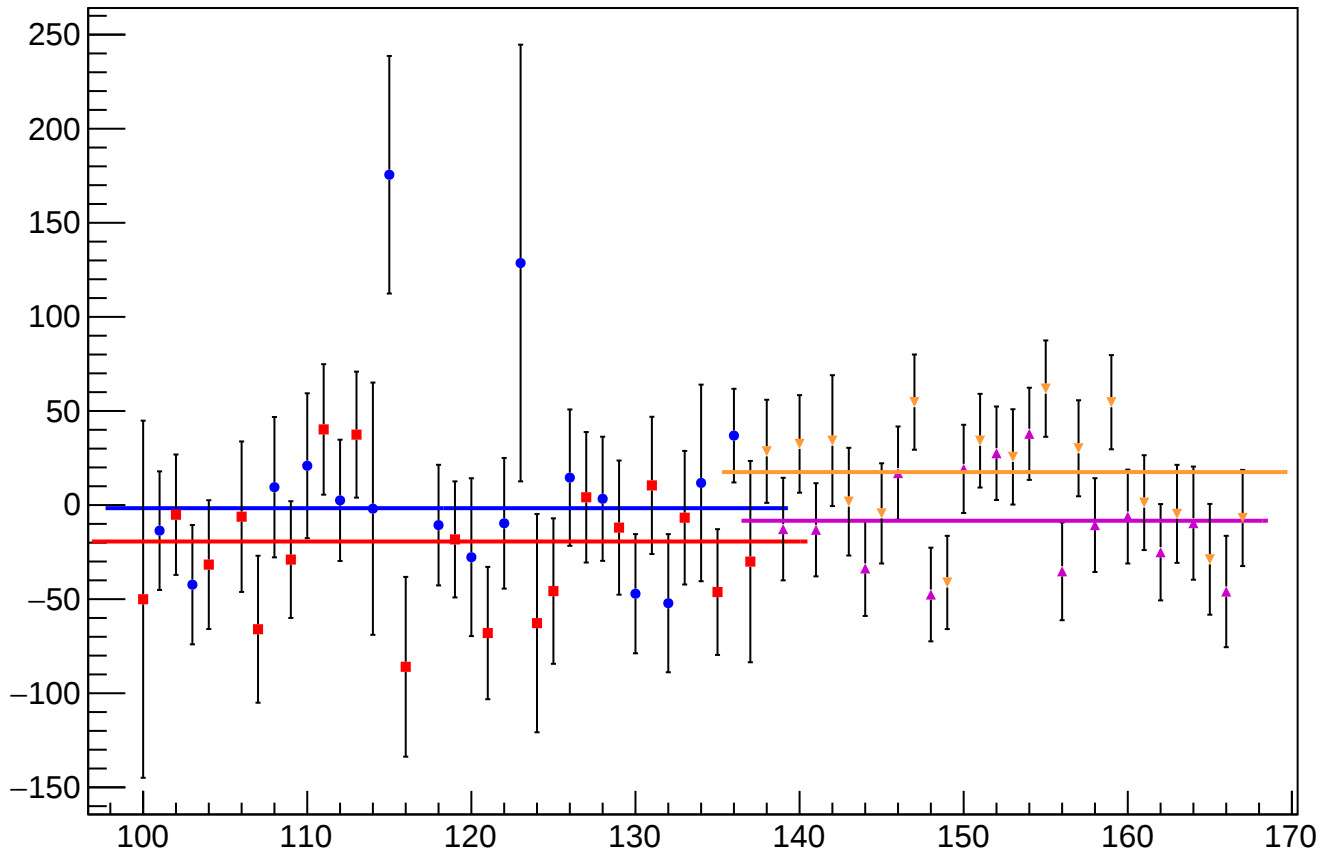
Left In: 178.930 $\pm$ 0.041 χ^2 /NDF: 1451122.9/13

+ sign 211.757 $\pm$ 0.036 χ^2 /NDF: 2091405.0/32

All: 192.093 $\pm$ 0.024 χ^2 /NDF: 5591638.7/65

- sign 177.147 $\pm$ 0.032 χ^2 /NDF: 2984666.4/32

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

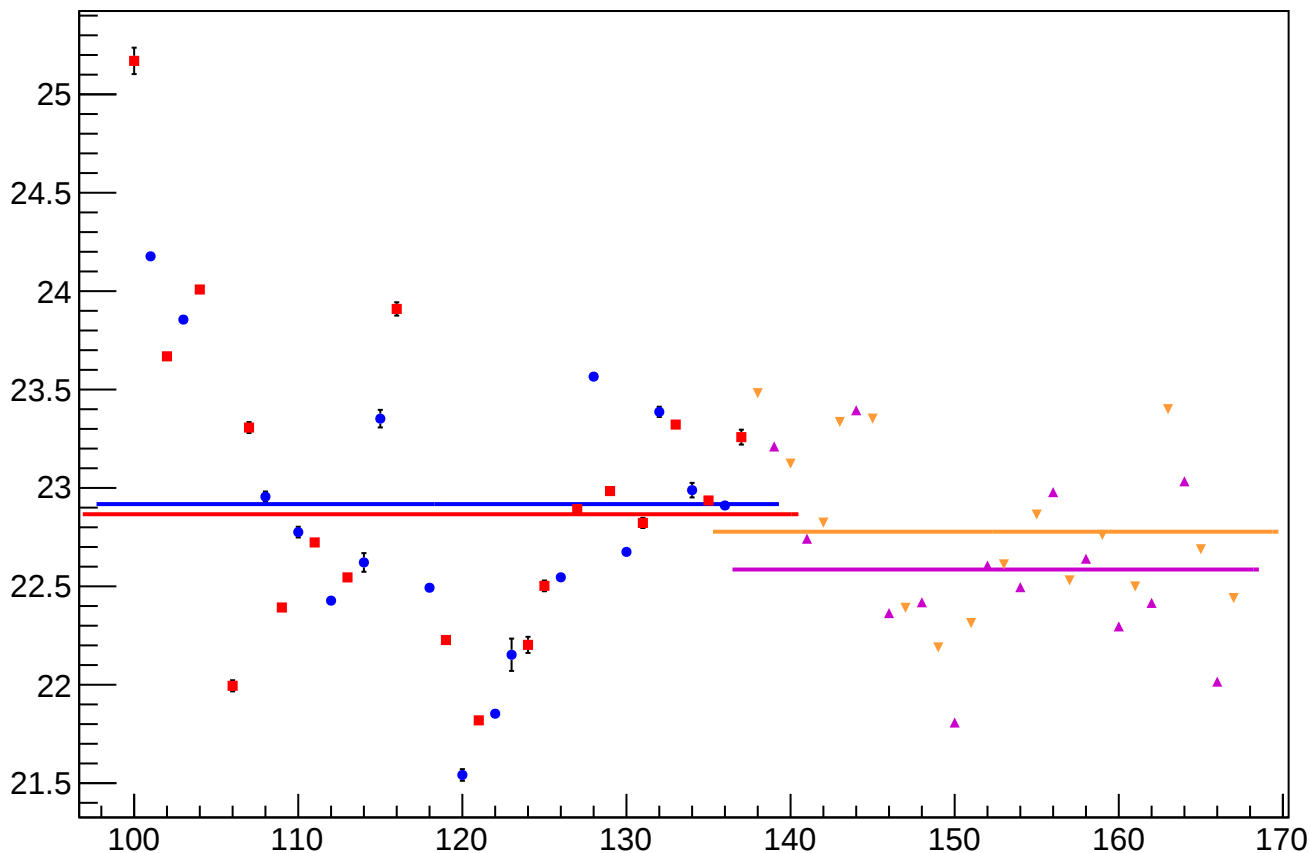
Left In: -8.327 ± 6.841 χ^2/NDF : 14.8/13

+ sign 10.714 ± 5.292 χ^2/NDF : 41.5/32

All: -0.845 ± 3.760 χ^2/NDF : 81.7/65

- sign -12.628 ± 5.343 χ^2/NDF : 30.5/32

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 ± 0.006 $\chi^2/\text{NDF}: 11472.2/16$

Left Out: 22.778 ± 0.005 $\chi^2/\text{NDF}: 7711.7/15$

Right Out: 22.866 ± 0.006 $\chi^2/\text{NDF}: 11052.6/18$

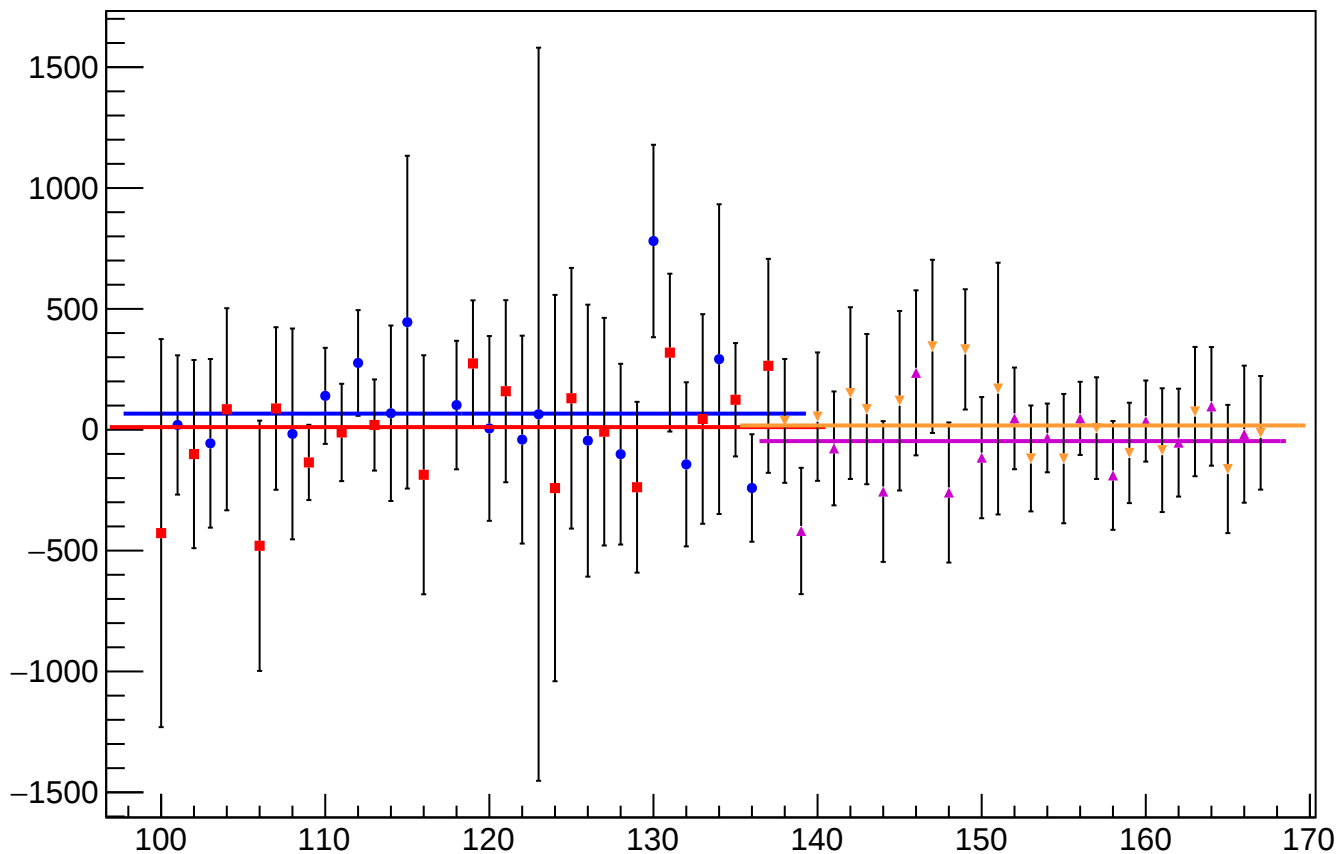
Left In: 22.585 ± 0.005 $\chi^2/\text{NDF}: 7669.8/13$

+ sign 22.827 ± 0.004 $\chi^2/\text{NDF}: 19505.5/32$

All: 22.762 ± 0.003 $\chi^2/\text{NDF}: 40163.4/65$

- sign 22.695 ± 0.004 $\chi^2/\text{NDF}: 20037.8/32$

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

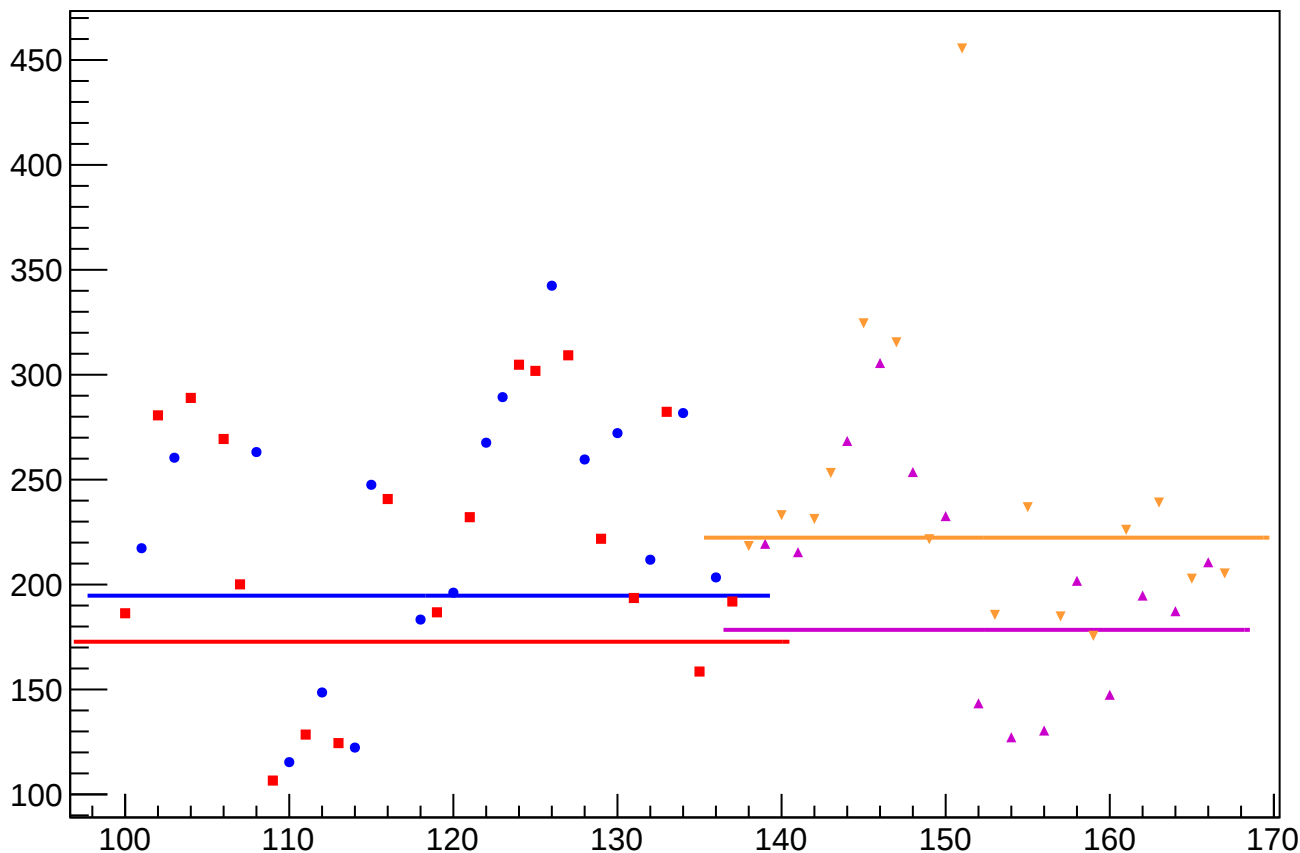
Left In: -47.025 $\pm$ 57.637 χ^2 /NDF: 5.4/13

+ sign 37.802 $\pm$ 51.232 χ^2 /NDF: 12.2/32

All: 2.762 $\pm$ 33.636 χ^2 /NDF: 24.6/65

- sign -23.786 $\pm$ 44.594 χ^2 /NDF: 11.5/32

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 222.353+/-0.047 χ^2/NDF : 969041.4/15

Right Out: 172.753+/-0.050 χ^2/NDF : 1596944.9/18

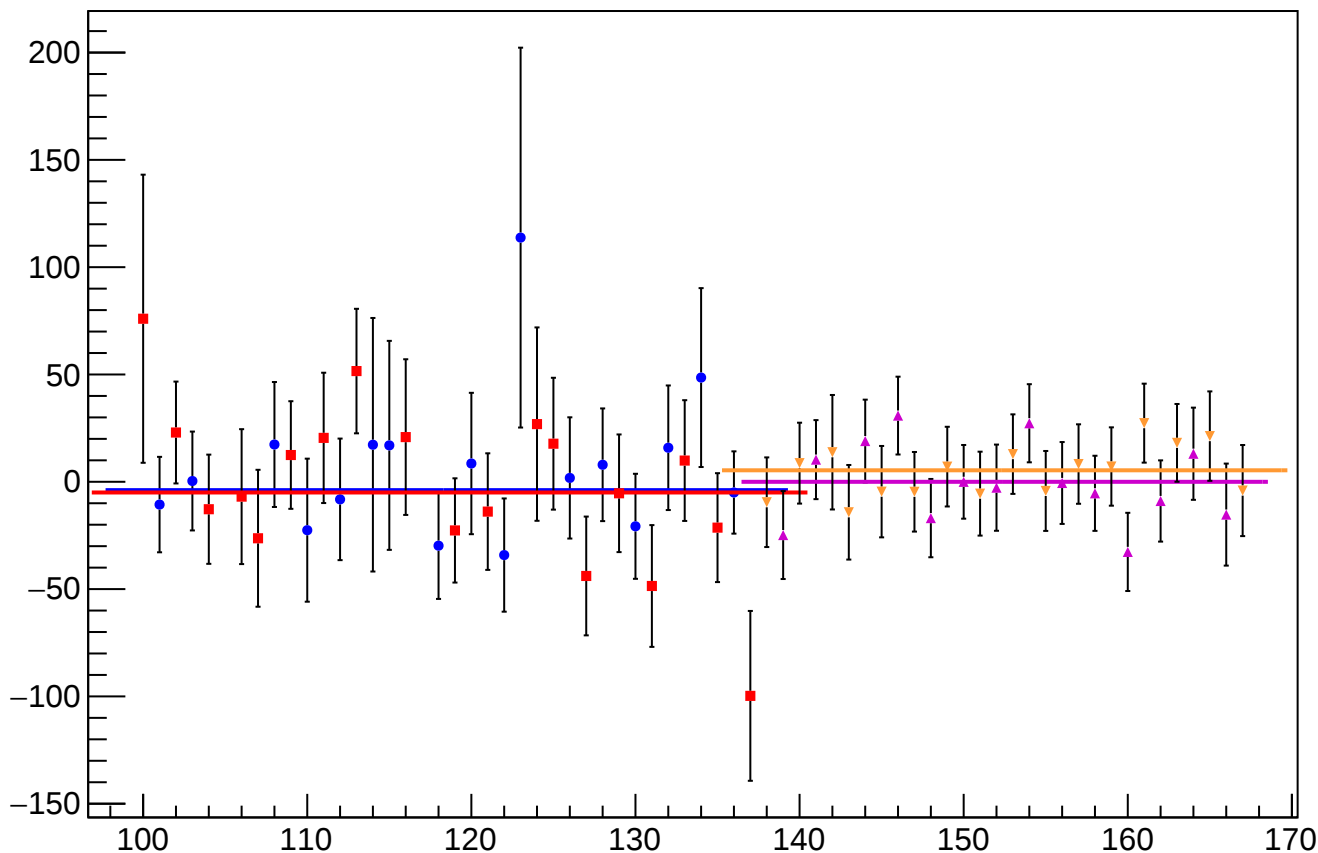
Left In: 178.420+/-0.041 χ^2/NDF : 1440199.7/13

+ sign 211.011+/-0.036 χ^2/NDF : 2129848.2/32

All: 191.175+/-0.024 χ^2/NDF : 5701755.5/65

- sign 176.146+/-0.032 χ^2/NDF : 3044905.6/32

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 5.351 ± 4.912 χ^2/NDF : 5.4/15

Right Out: -4.985 ± 6.727 χ^2/NDF : 21.3/18

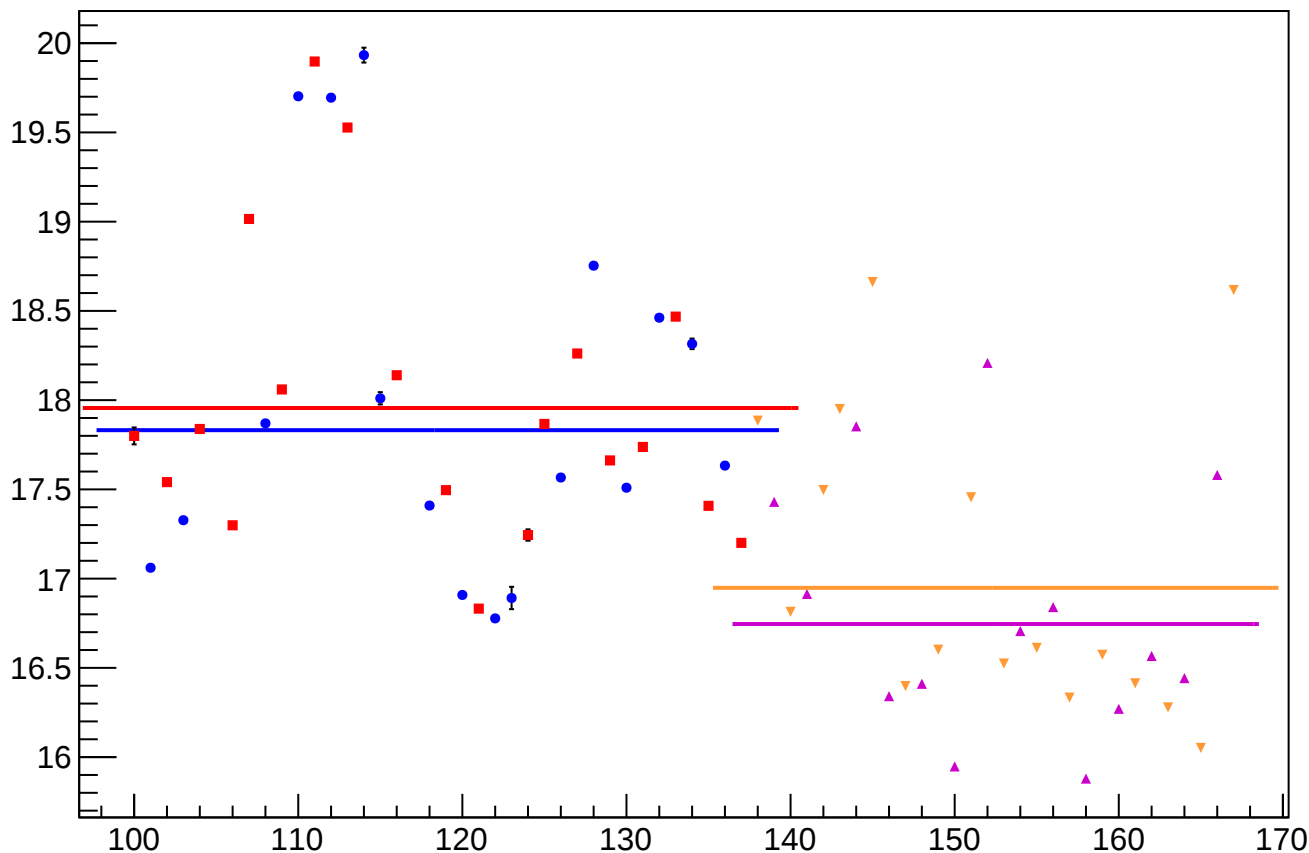
Left In: -0.013 ± 5.083 χ^2/NDF : 13.1/13

+ sign 2.251 ± 4.005 χ^2/NDF : 15.0/32

All: 0.241 ± 2.849 χ^2/NDF : 50.3/65

- sign -1.820 ± 4.055 χ^2/NDF : 34.8/32

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

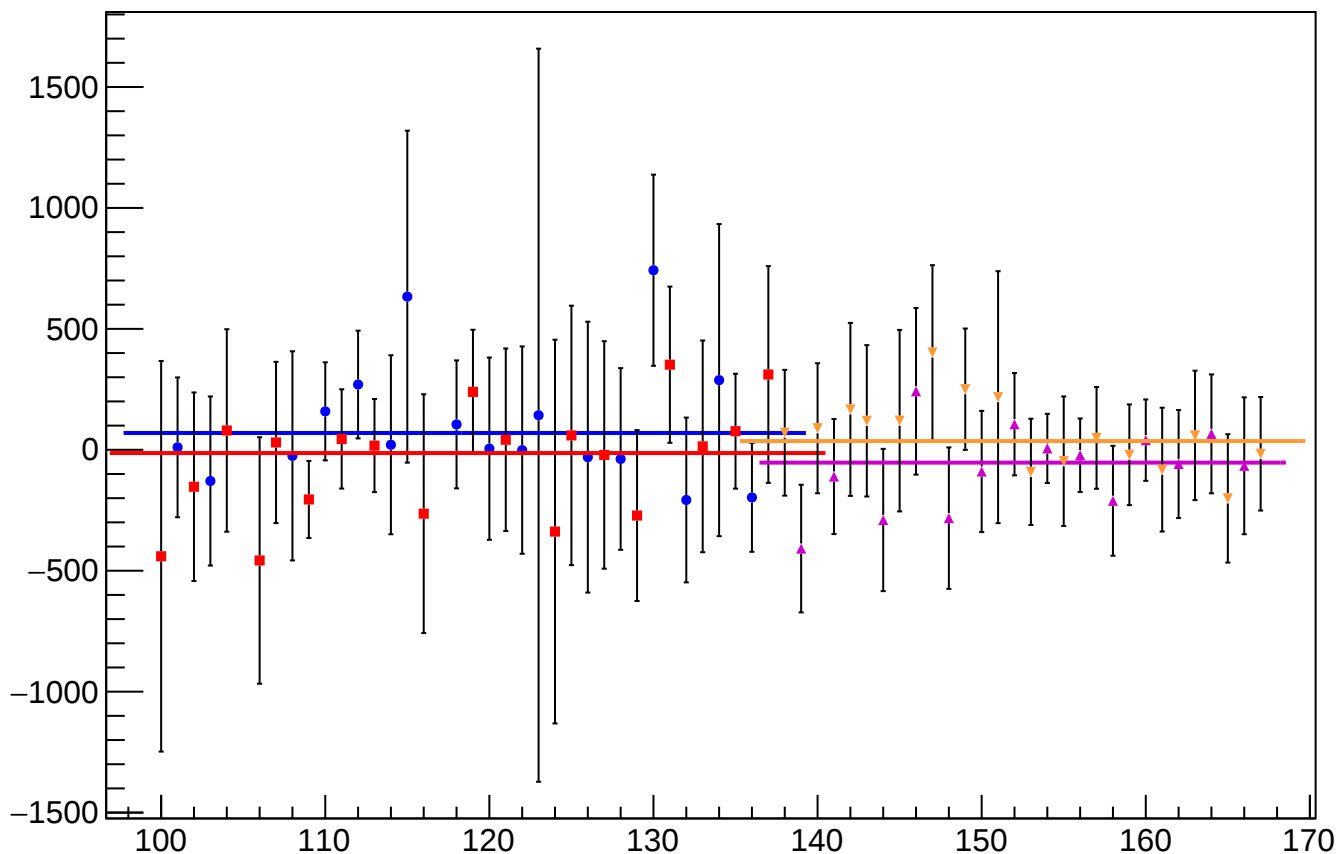
Left In: 16.746 $\pm$ 0.004 χ^2 /NDF: 34958.6/13

+ sign 17.245 $\pm$ 0.003 χ^2 /NDF: 103655.5/32

All: 17.215 $\pm$ 0.002 χ^2 /NDF: 205502.4/65

- sign 17.185 $\pm$ 0.003 χ^2 /NDF: 101630.8/32

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 36.131 $\pm$ 66.985 χ^2 /NDF: 3.8/15

Right Out: -13.410 $\pm$ 71.041 χ^2 /NDF: 6.7/18

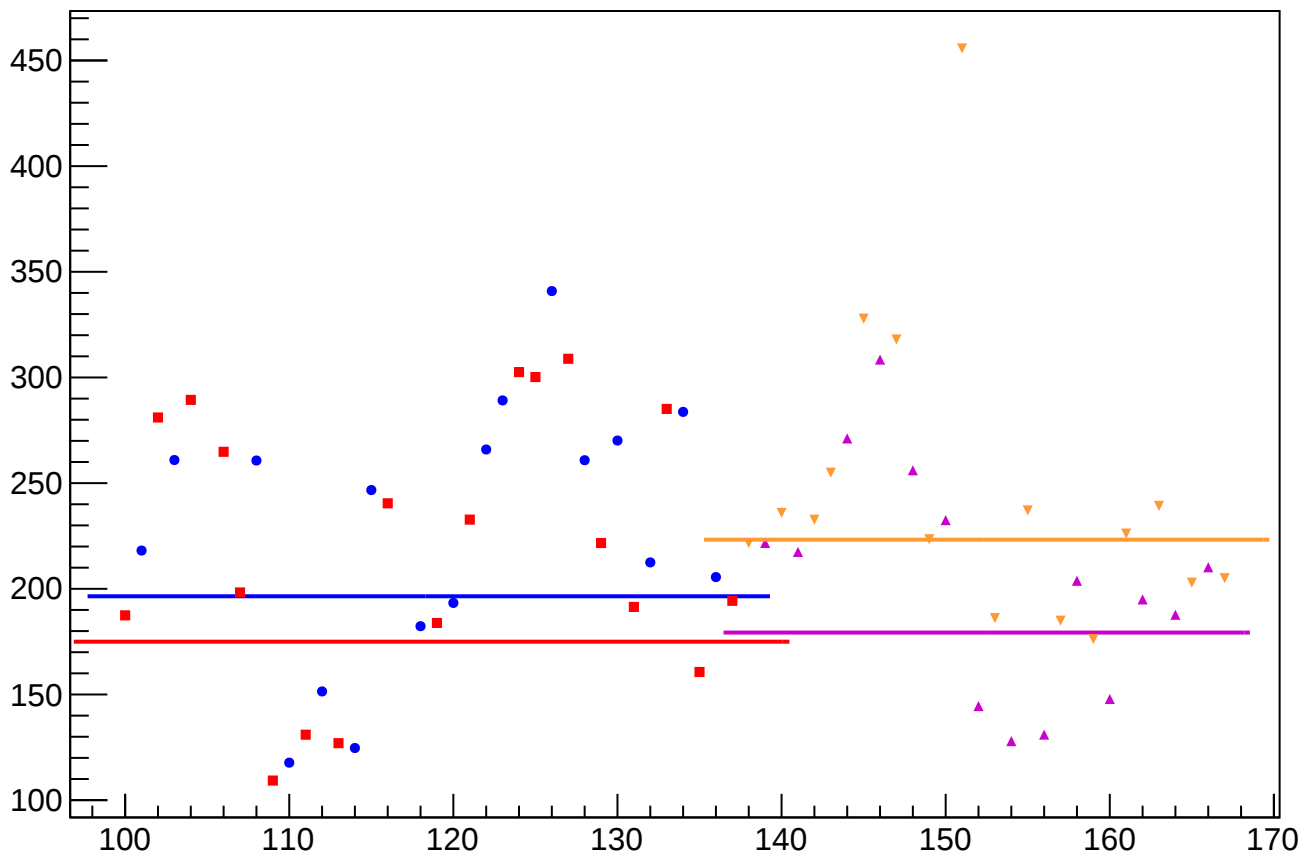
Left In: -52.937 $\pm$ 57.922 χ^2 /NDF: 5.7/13

+ sign 49.778 $\pm$ 51.503 χ^2 /NDF: 11.3/32

All: 0.377 $\pm$ 33.841 χ^2 /NDF: 25.5/65

- sign -37.153 $\pm$ 44.892 χ^2 /NDF: 12.6/32

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

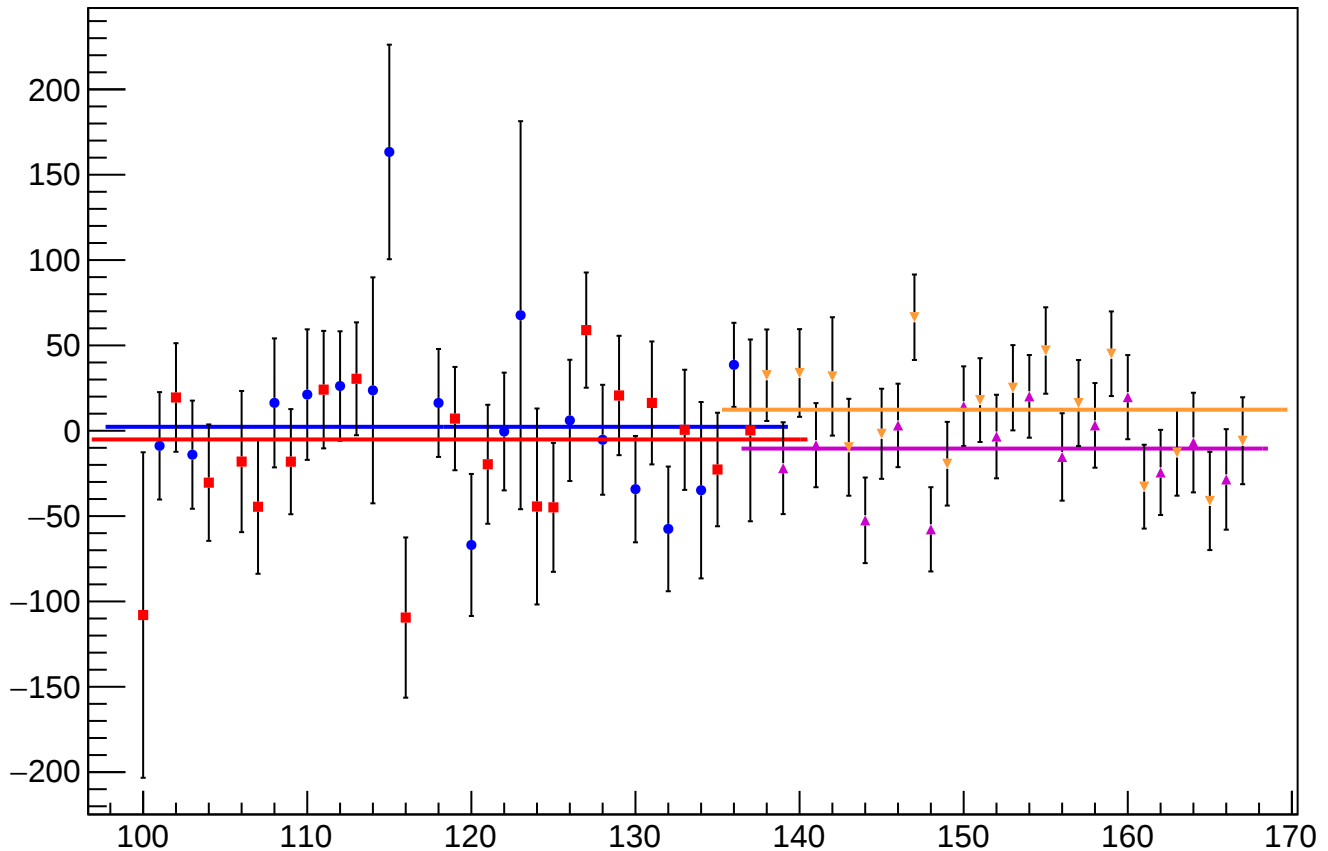
Left In: 179.300 $\pm$ 0.041 χ^2 /NDF: 1450803.6/13

+ sign 212.301 $\pm$ 0.036 χ^2 /NDF: 2074821.3/32

All: 192.567 $\pm$ 0.024 χ^2 /NDF: 5557829.1/65

- sign 177.575 $\pm$ 0.032 χ^2 /NDF: 2966345.1/32

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 12.345 ± 6.501 $\chi^2/\text{NDF}: 21.1/15$

Right Out: -5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

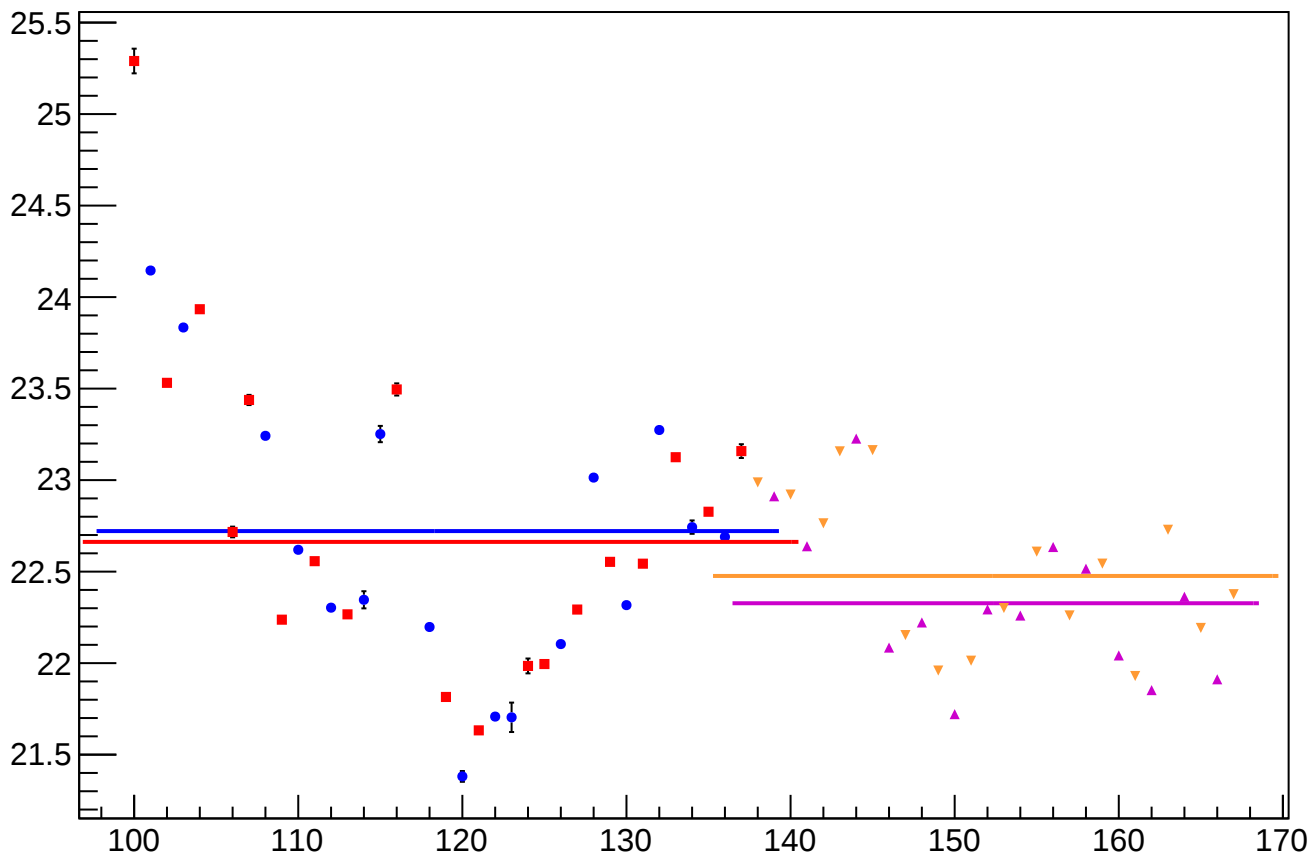
Left In: -10.443 ± 6.762 $\chi^2/\text{NDF}: 12.3/13$

+ sign 8.804 ± 5.230 $\chi^2/\text{NDF}: 40.0/32$

All: 0.314 ± 3.718 $\chi^2/\text{NDF}: 75.1/65$

- sign -8.362 ± 5.287 $\chi^2/\text{NDF}: 29.7/32$

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

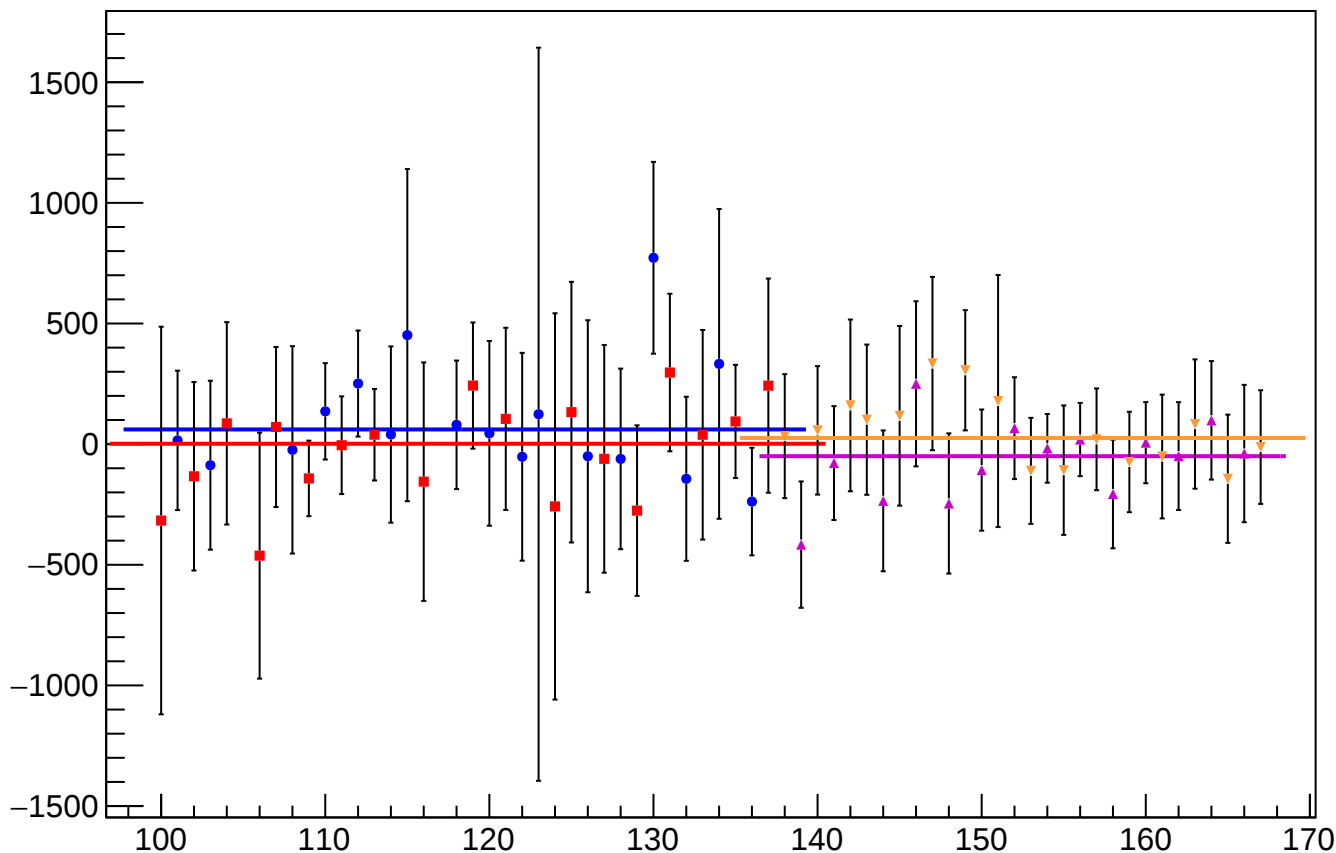
Left In: 22.327 $\pm$ 0.005 χ^2 /NDF: 7232.4/13

+ sign 22.563 $\pm$ 0.004 χ^2 /NDF: 22215.8/32

All: 22.511 $\pm$ 0.003 χ^2 /NDF: 44715.6/65

- sign 22.458 $\pm$ 0.004 χ^2 /NDF: 22098.7/32

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 25.603 $\pm$ 66.858 χ^2 /NDF: 3.8/15

Right Out: 1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

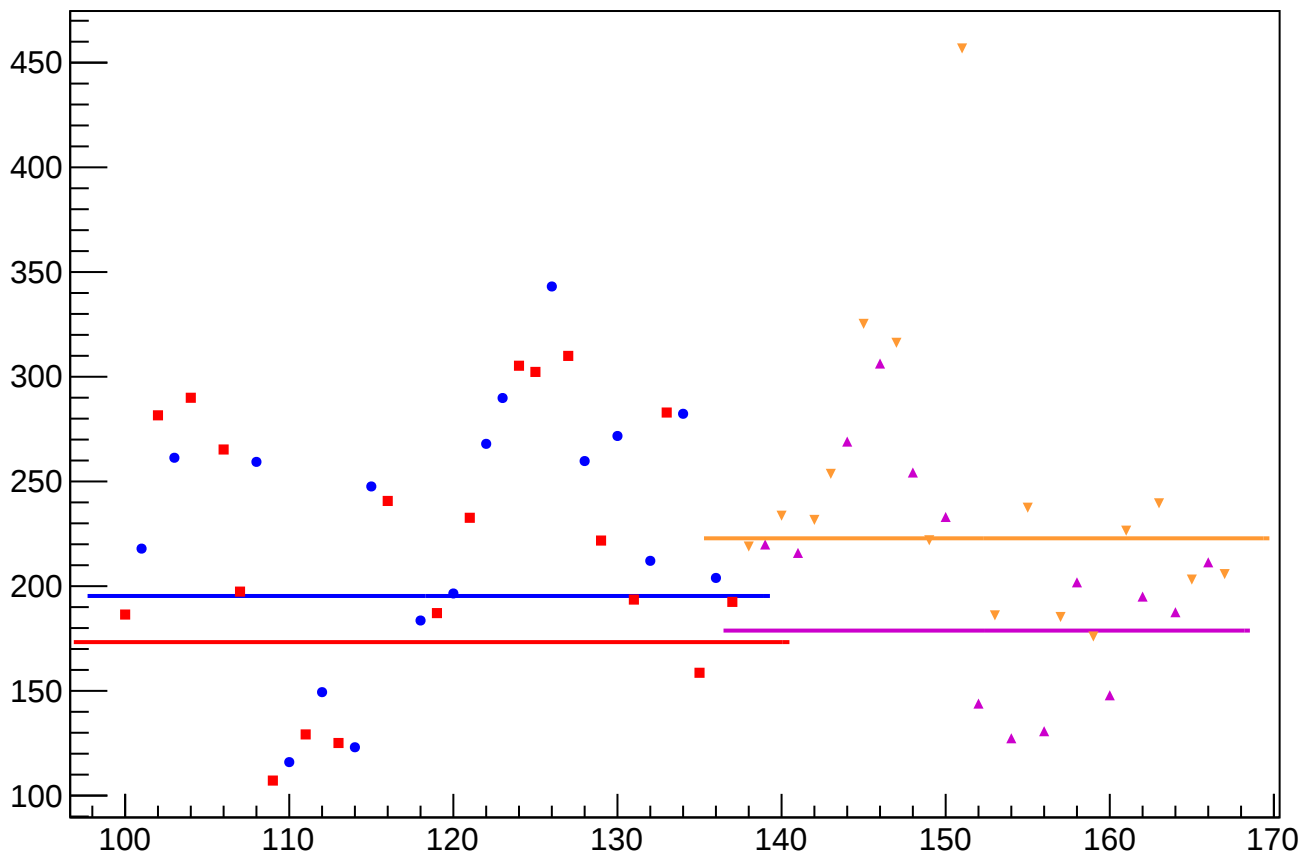
Left In: -49.925 $\pm$ 57.756 χ^2 /NDF: 5.2/13

+ sign 40.101 $\pm$ 51.353 χ^2 /NDF: 11.1/32

All: 0.648 $\pm$ 33.712 χ^2 /NDF: 22.8/65

- sign -29.231 $\pm$ 44.690 χ^2 /NDF: 10.7/32

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 222.849+/-0.047 χ^2/NDF : 969078.7/15

Right Out: 173.285+/-0.050 χ^2/NDF : 1578382.8/18

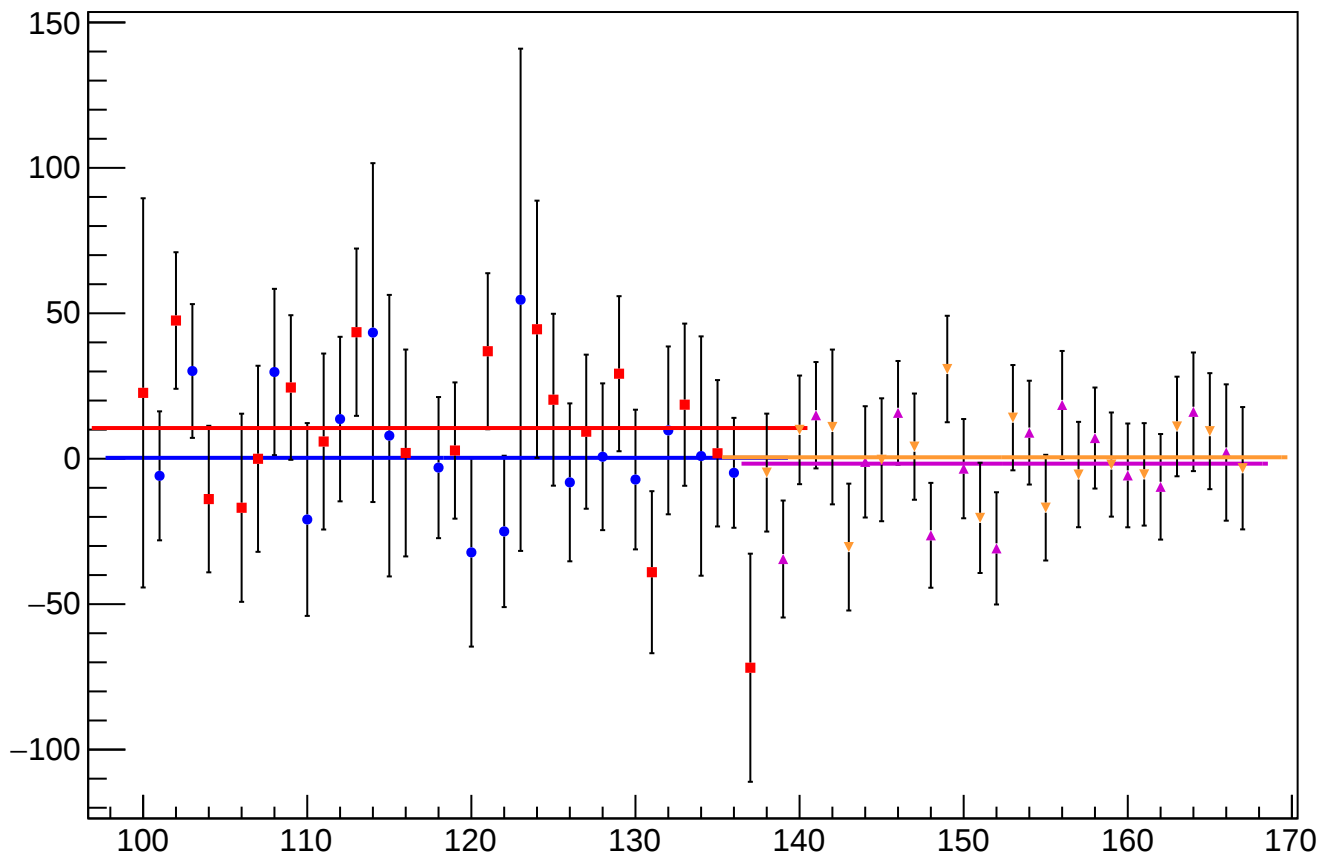
Left In: 178.788+/-0.041 χ^2/NDF : 1439973.9/13

+ sign 211.560+/-0.036 χ^2/NDF : 2112372.1/32

All: 191.655+/-0.024 χ^2/NDF : 5666057.2/65

- sign 176.580+/-0.032 χ^2/NDF : 3025643.4/32

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 ± 6.812 $\chi^2/\text{NDF}: 6.8/16$

Left Out: 0.500 ± 4.796 $\chi^2/\text{NDF}: 8.8/15$

Right Out: 10.553 ± 6.628 $\chi^2/\text{NDF}: 16.0/18$

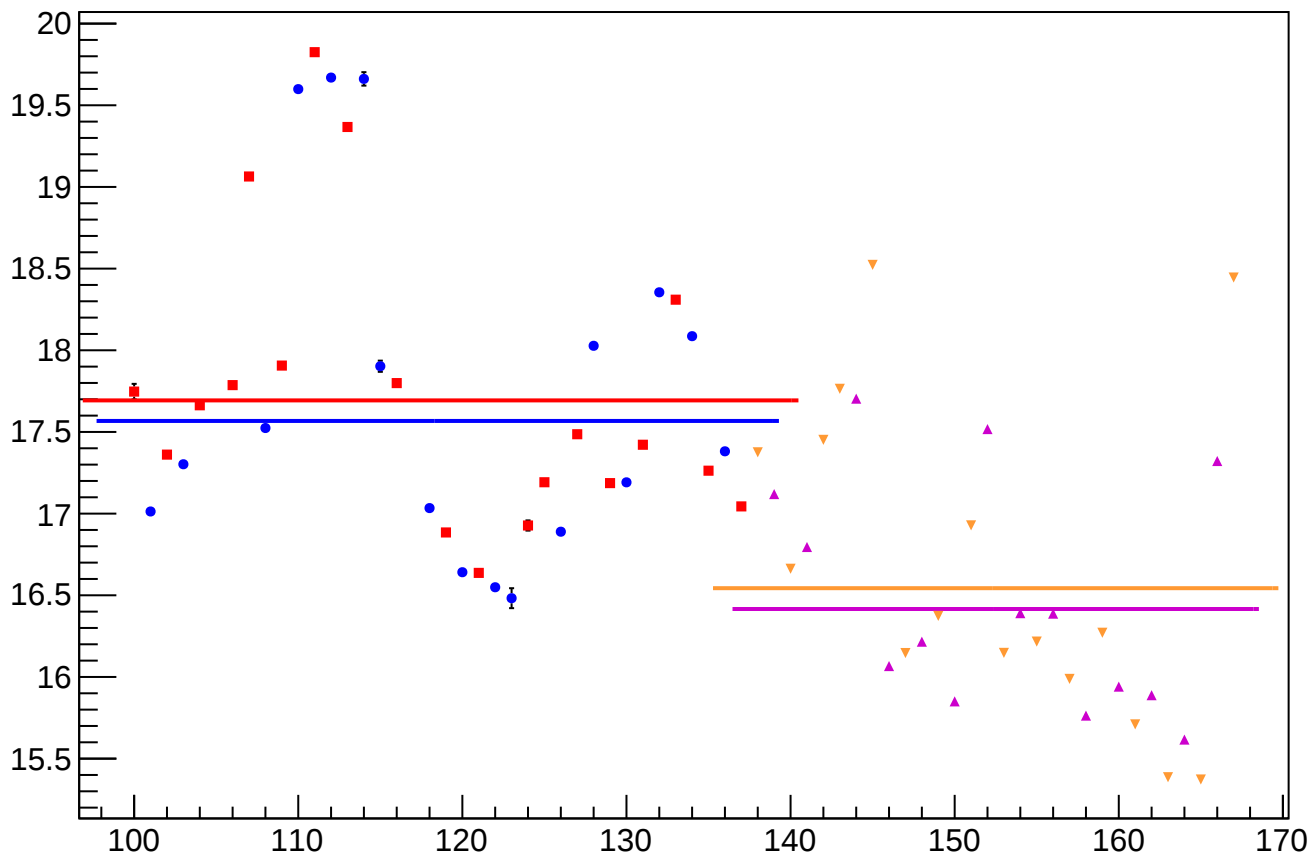
Left In: -1.700 ± 4.981 $\chi^2/\text{NDF}: 11.4/13$

+ sign 0.435 ± 3.921 $\chi^2/\text{NDF}: 15.6/32$

All: 1.561 ± 2.794 $\chi^2/\text{NDF}: 45.4/65$

- sign 2.723 ± 3.982 $\chi^2/\text{NDF}: 29.7/32$

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

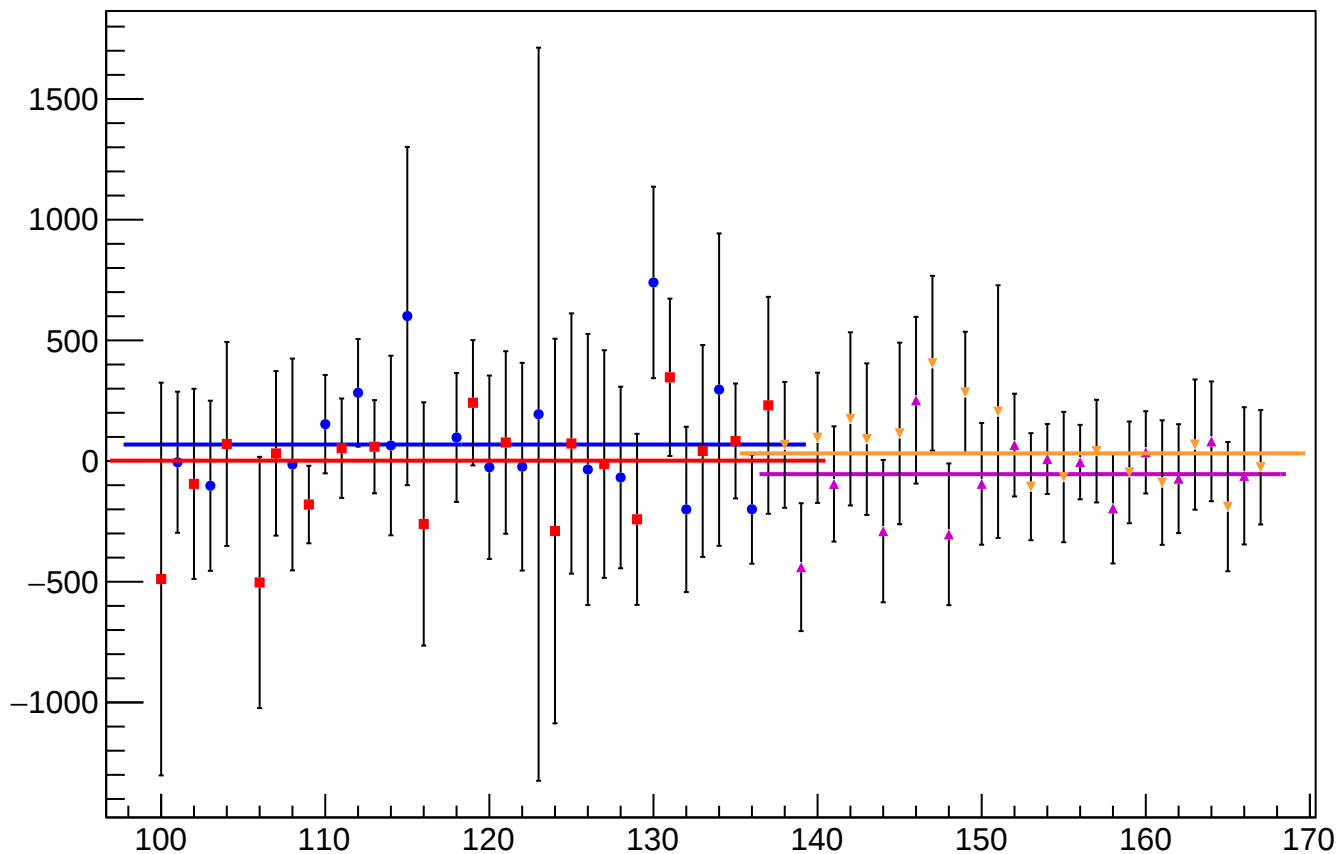
Left In: 16.416 $\pm$ 0.004 χ^2 /NDF: 34108.3/13

+ sign 16.883 $\pm$ 0.003 χ^2 /NDF: 135708.9/32

All: 16.880 $\pm$ 0.002 χ^2 /NDF: 248040.9/65

- sign 16.877 $\pm$ 0.003 χ^2 /NDF: 112329.9/32

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 31.983 $\pm$ 67.472 χ^2 /NDF: 4.1/15

Right Out: 1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

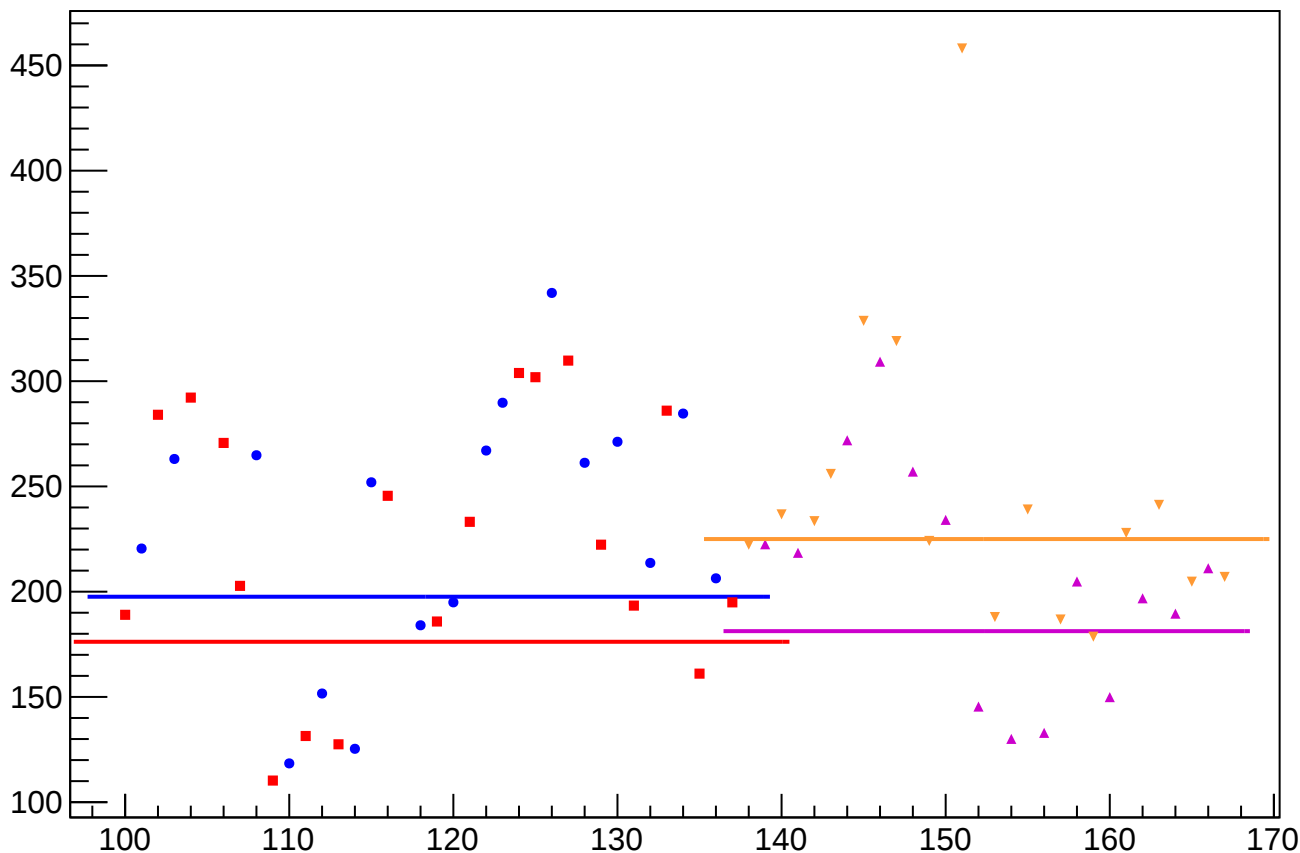
Left In: -54.139 $\pm$ 58.478 χ^2 /NDF: 5.9/13

+ sign 46.960 $\pm$ 51.847 χ^2 /NDF: 11.6/32

All: 2.321 $\pm$ 34.103 χ^2 /NDF: 25.3/65

- sign -31.720 $\pm$ 45.276 χ^2 /NDF: 12.4/32

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

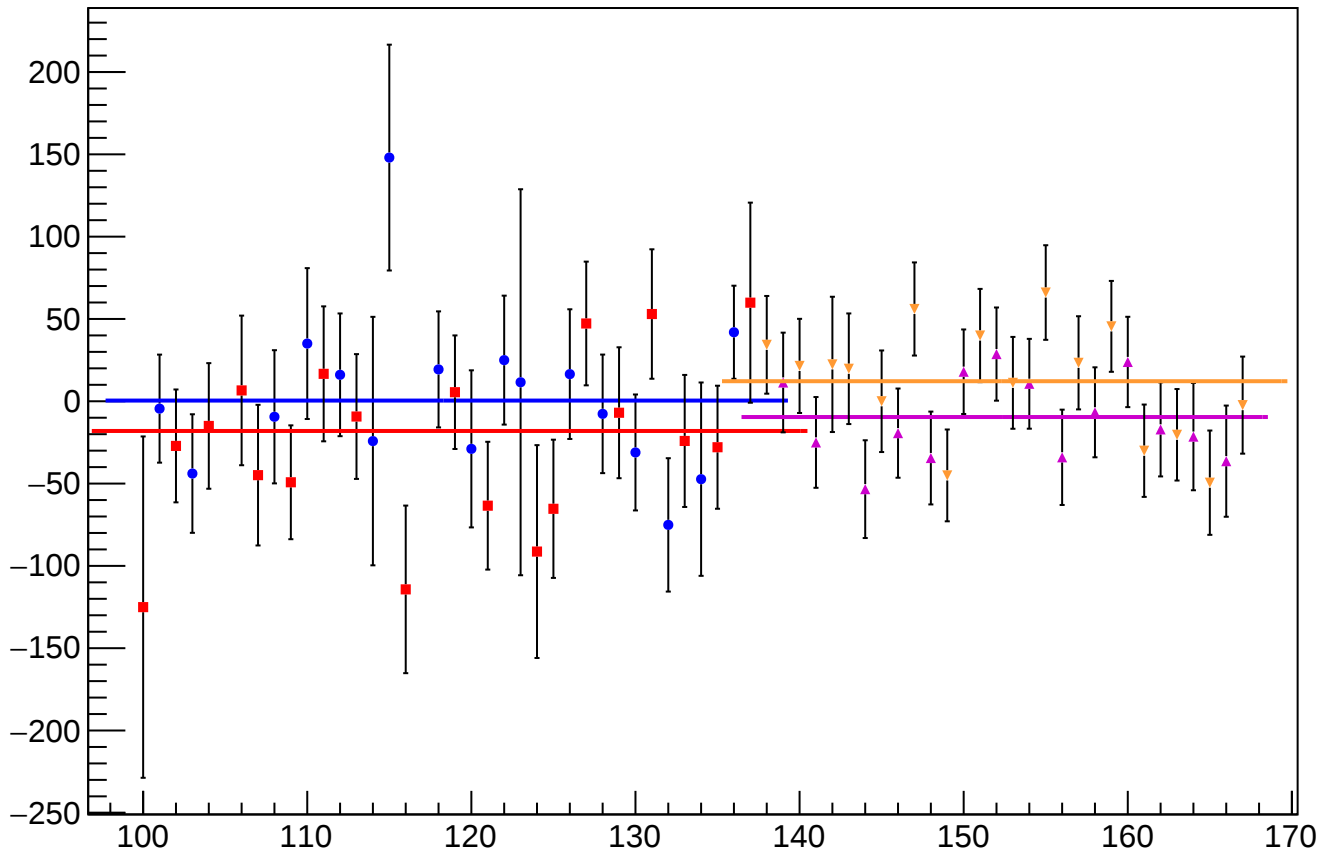
Left In: 181.253 $\pm$ 0.041 χ^2 /NDF: 1406441.0/13

+ sign 213.782 $\pm$ 0.037 χ^2 /NDF: 2064453.1/32

All: 194.179 $\pm$ 0.024 χ^2 /NDF: 5500664.7/65

- sign 179.230 $\pm$ 0.032 χ^2 /NDF: 2932253.0/32

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 $\pm$ 9.884 χ^2/NDF : 15.5/16

Left Out: 12.185 $\pm$ 7.364 χ^2/NDF : 21.3/15

Right Out: -18.044 $\pm$ 9.499 χ^2/NDF : 19.5/18

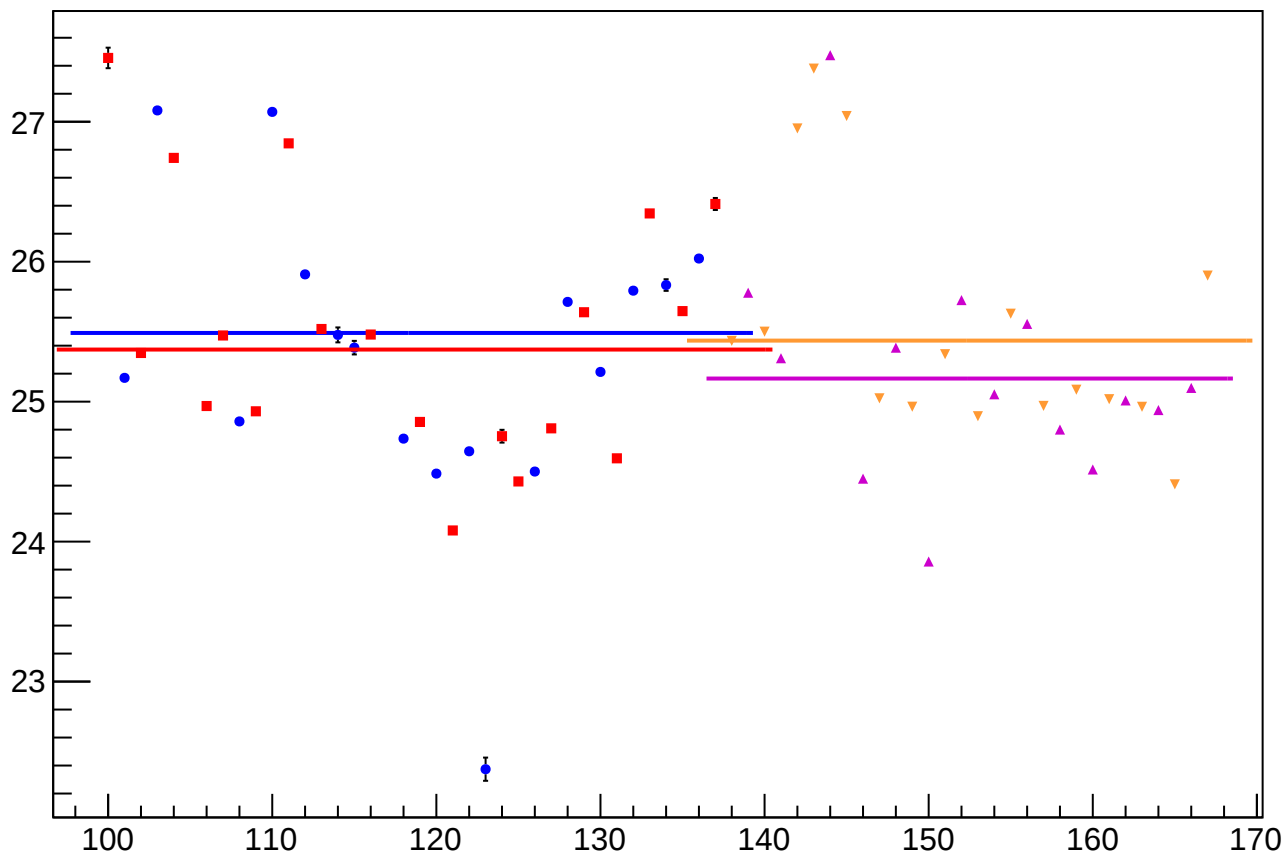
Left In: -9.571 $\pm$ 7.631 χ^2/NDF : 10.4/13

+ sign 7.988 $\pm$ 5.905 χ^2/NDF : 37.7/32

All: -2.376 $\pm$ 4.191 χ^2/NDF : 74.3/65

- sign -12.894 $\pm$ 5.949 χ^2/NDF : 30.4/32

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491+/-0.007 χ^2/NDF : 13713.0/16

Left Out: 25.436+/-0.005 χ^2/NDF : 21186.0/15

Right Out: 25.372+/-0.007 χ^2/NDF : 13550.5/18

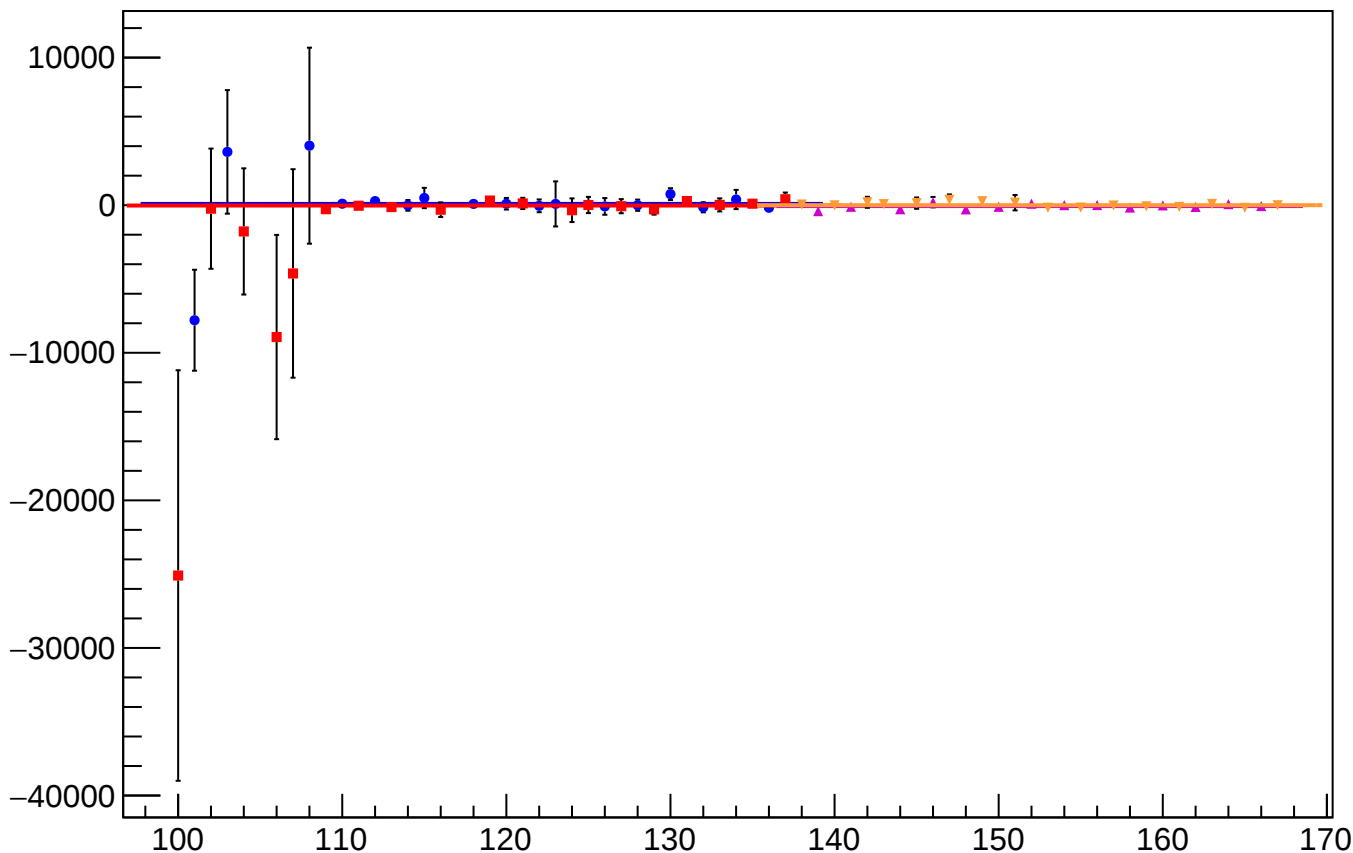
Left In: 25.165+/-0.005 χ^2/NDF : 22509.6/13

+ sign 25.456+/-0.004 χ^2/NDF : 34938.4/32

All: 25.352+/-0.003 χ^2/NDF : 72823.6/65

- sign 25.246+/-0.004 χ^2/NDF : 36637.7/32

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: -0.005+/-67.924 χ^2/NDF : 4.5/15

Right Out: -23.352+/-80.948 χ^2/NDF : 11.9/18

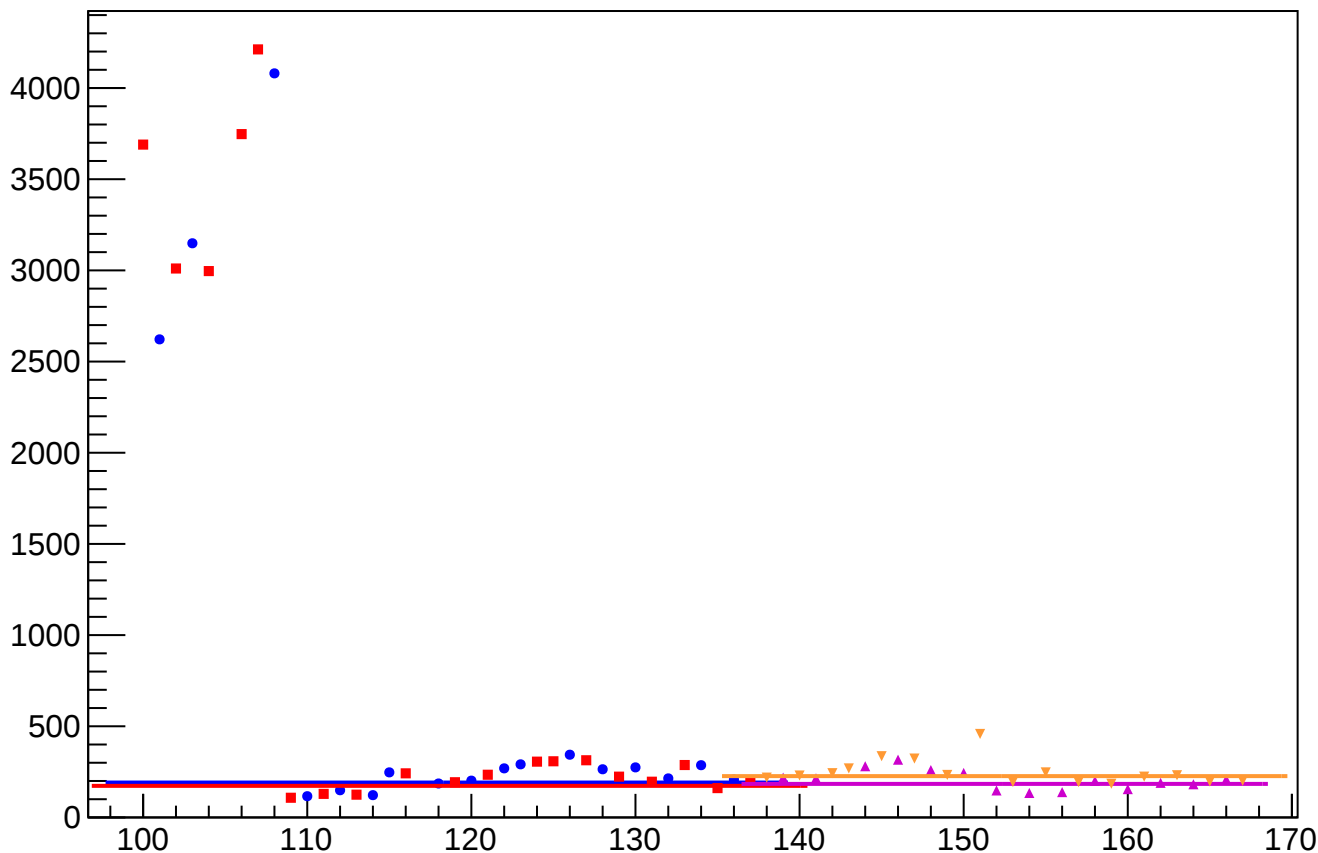
Left In: -59.770+/-59.188 χ^2/NDF : 5.0/13

+ sign 32.118+/-53.866 χ^2/NDF : 17.6/32

All: -12.209+/-35.744 χ^2/NDF : 35.8/65

- sign -47.083+/-47.778 χ^2/NDF : 17.1/32

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

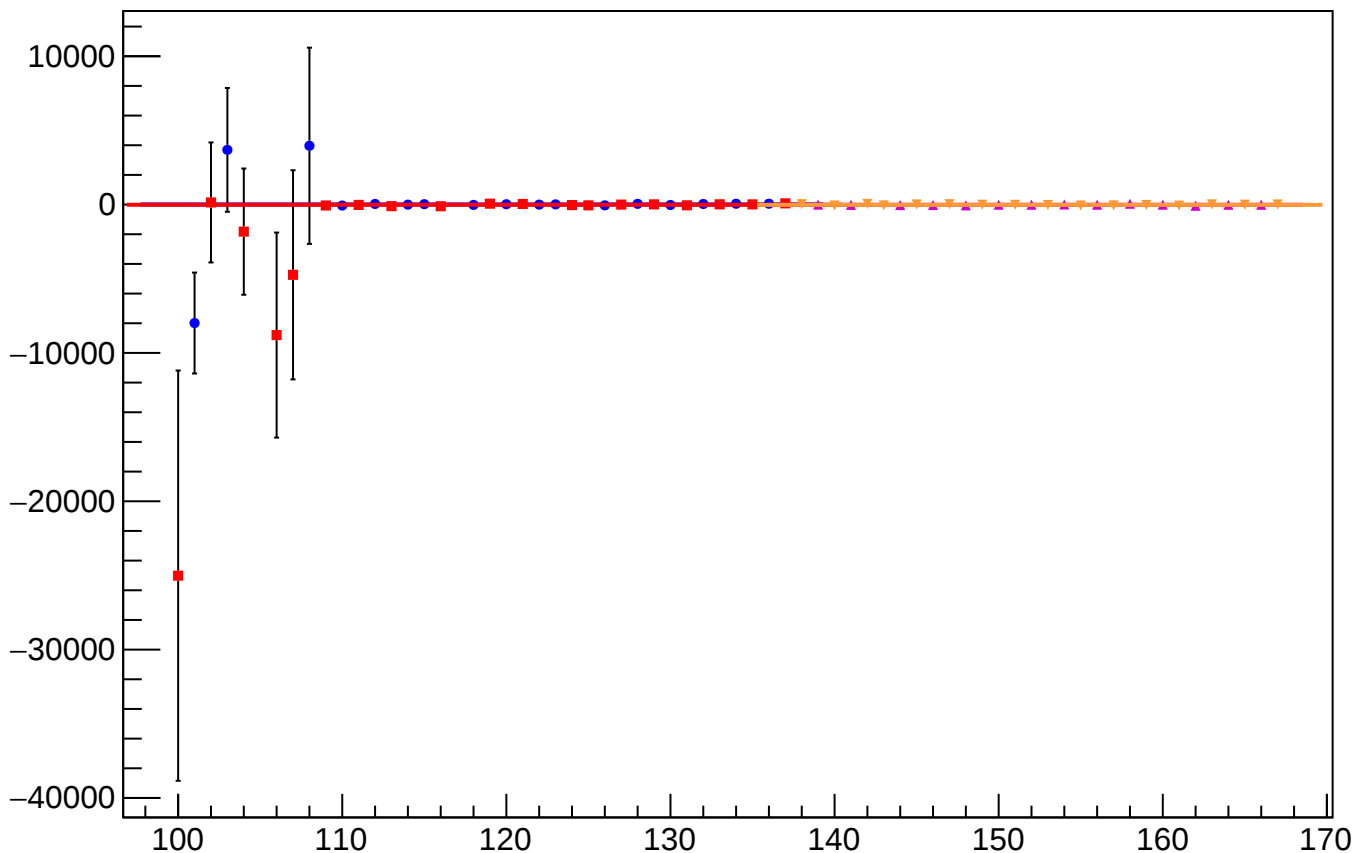
Left In: 184.024+/-0.042 χ^2/NDF : 1299683.8/13

+ sign 213.612+/-0.038 χ^2/NDF : 4726864.5/32

All: 194.961+/-0.025 χ^2/NDF : 10685275.5/65

- sign 180.287+/-0.034 χ^2/NDF : 5529991.4/32

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

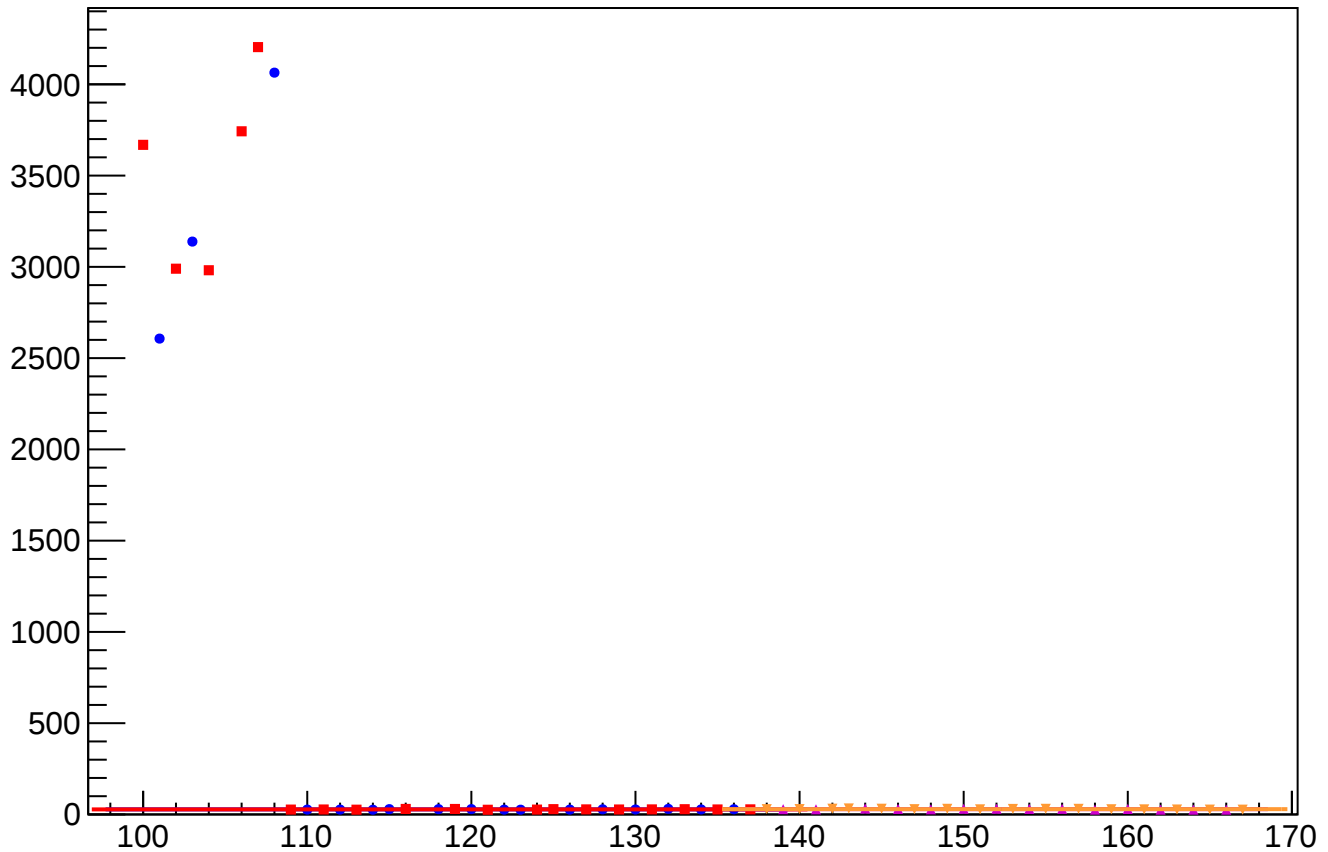
Left In: -13.293+/-8.823 χ^2/NDF : 13.7/13

+ sign -8.678+/-6.945 χ^2/NDF : 38.5/32

All: -10.813+/-4.984 χ^2/NDF : 77.3/65

- sign -13.079+/-7.156 χ^2/NDF : 38.6/32

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

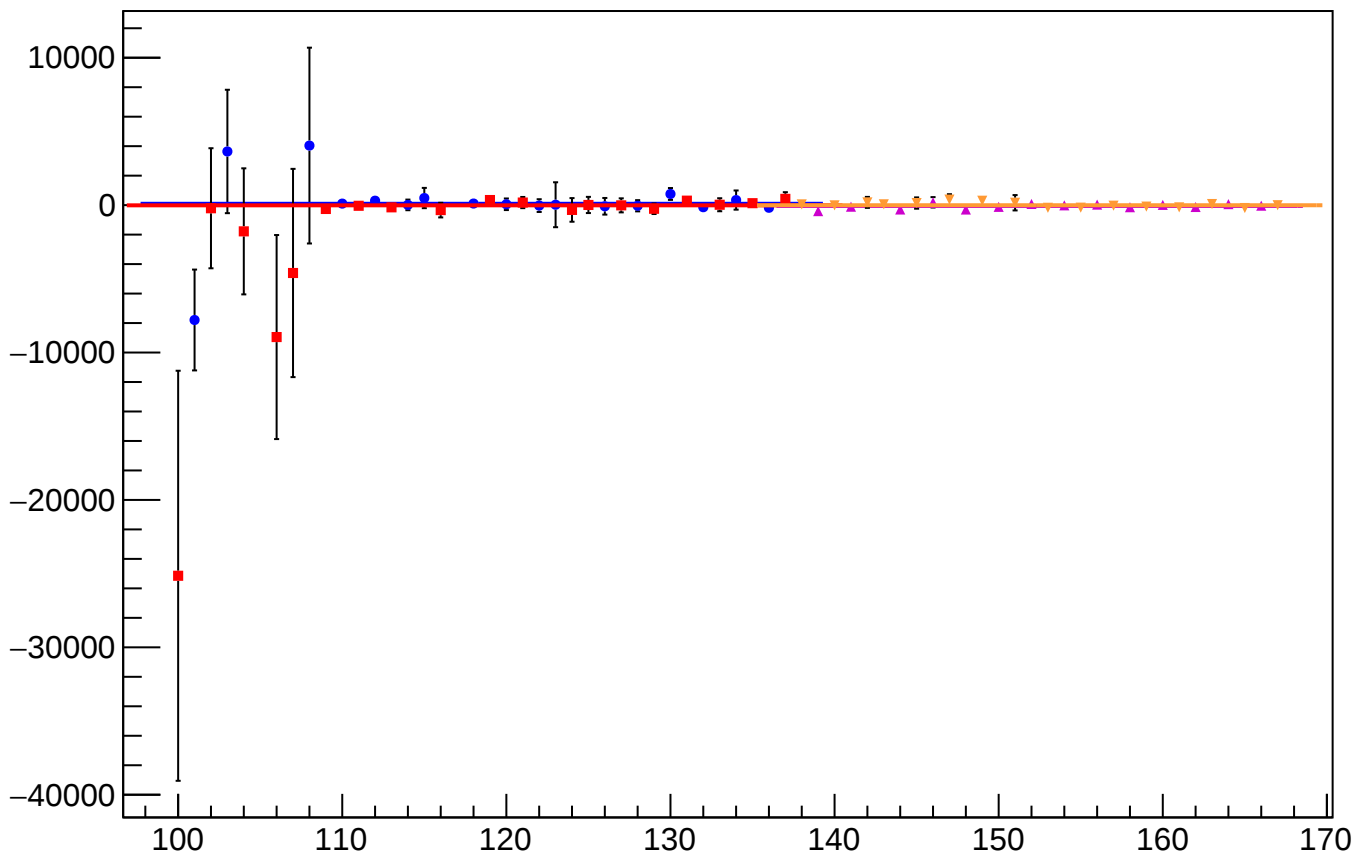
Left In: 29.012+/-0.006 χ^2/NDF : 105989.4/13

+ sign 28.648+/-0.005 χ^2/NDF : 3131979.8/32

All: 28.606+/-0.004 χ^2/NDF : 6730225.4/65

- sign 28.561+/-0.005 χ^2/NDF : 3598094.7/32

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

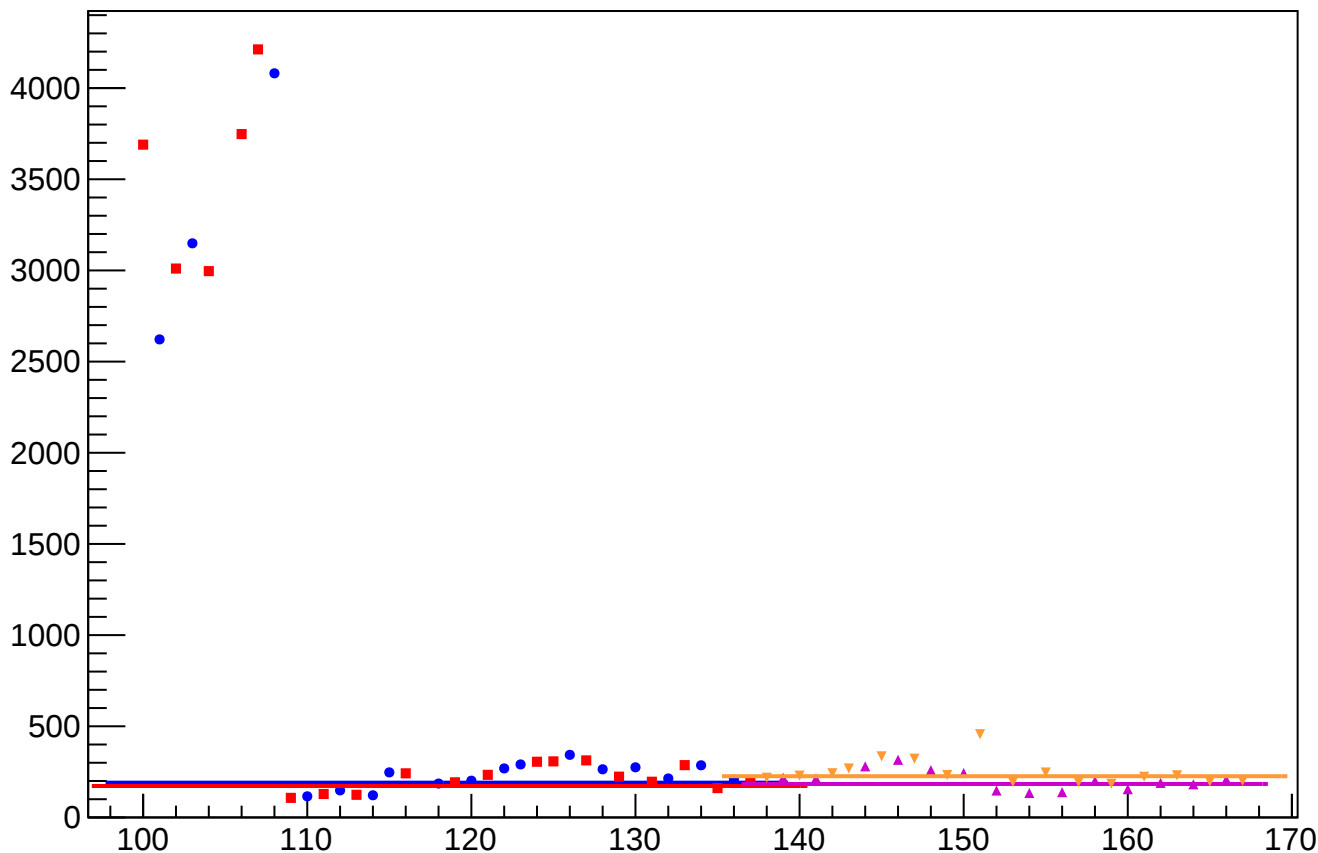
Left In: -57.075+/-59.070 χ^2/NDF : 5.2/13

+ sign 28.626+/-53.730 χ^2/NDF : 18.7/32

All: -10.794+/-35.655 χ^2/NDF : 37.8/65

- sign -41.815+/-47.663 χ^2/NDF : 18.1/32

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 226.180+/-0.048 χ^2/NDF : 954315.8/15

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

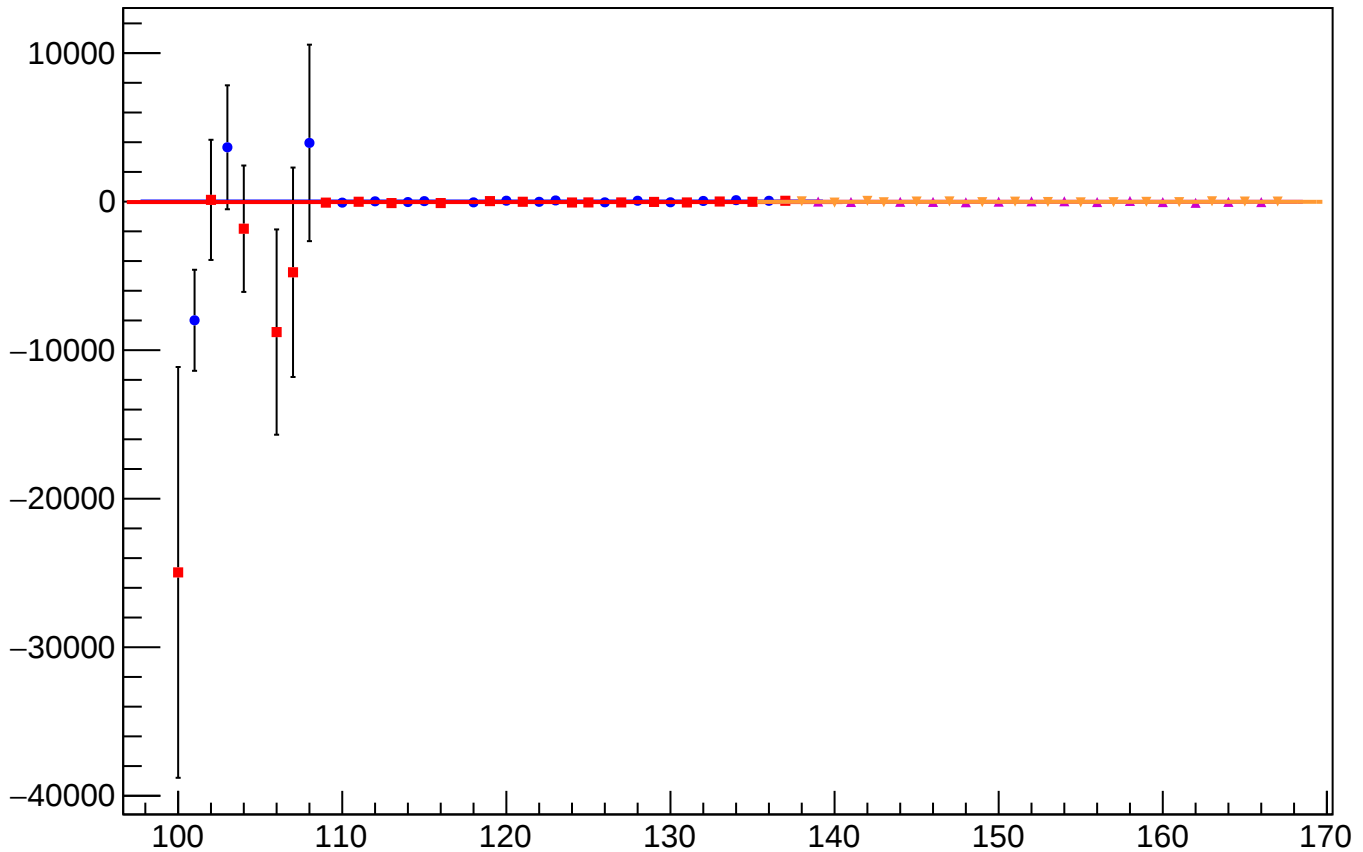
Left In: 183.661+/-0.042 χ^2/NDF : 1299533.0/13

+ sign 213.024+/-0.038 χ^2/NDF : 4742188.7/32

All: 194.438+/-0.025 χ^2/NDF : 10712344.8/65

- sign 179.812+/-0.034 χ^2/NDF : 5542500.4/32

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

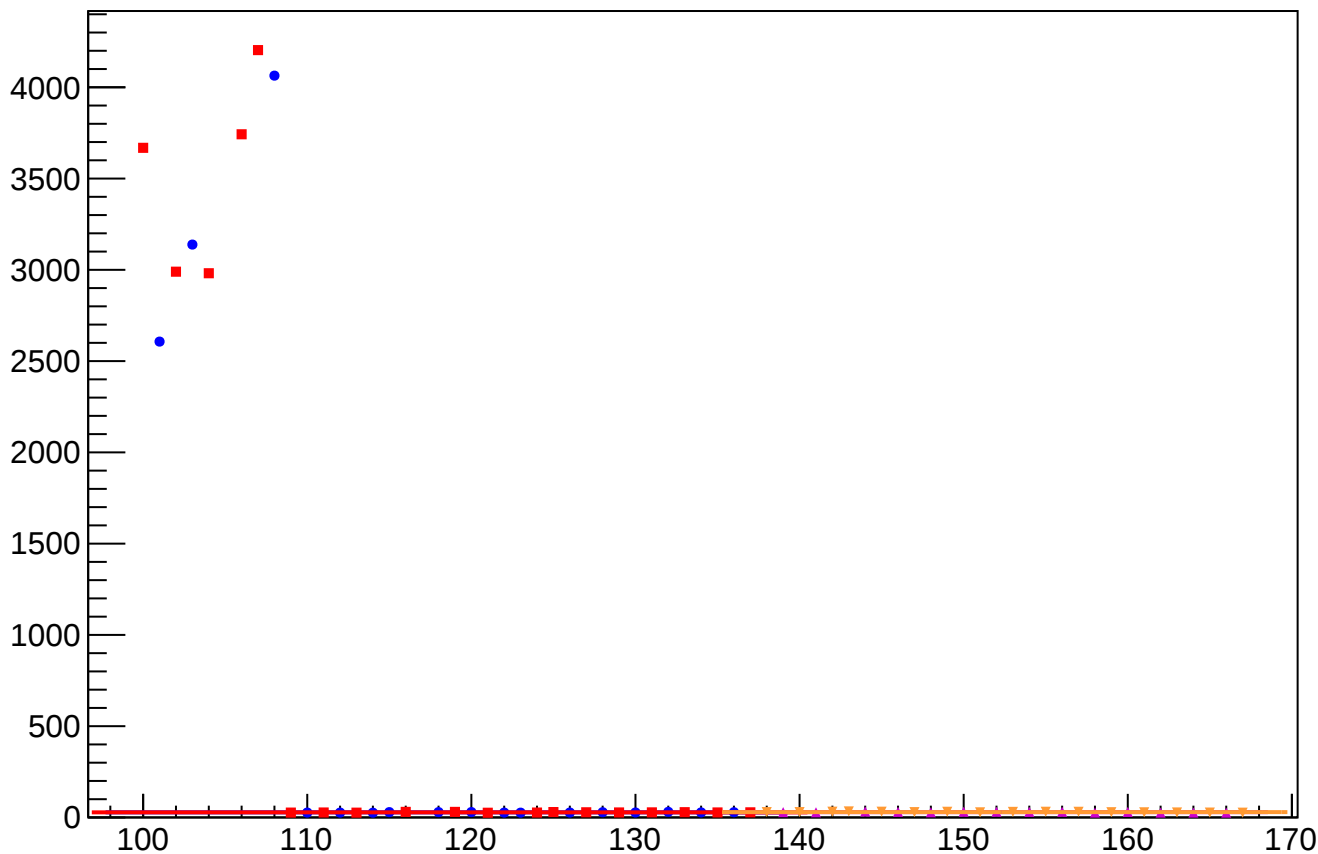
Left In: -12.424 $\pm$ 8.881 χ^2 /NDF: 12.8/13

+ sign -5.522 $\pm$ 6.997 χ^2 /NDF: 36.5/32

All: -11.683 $\pm$ 5.020 χ^2 /NDF: 69.0/65

- sign -18.220 $\pm$ 7.207 χ^2 /NDF: 30.9/32

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

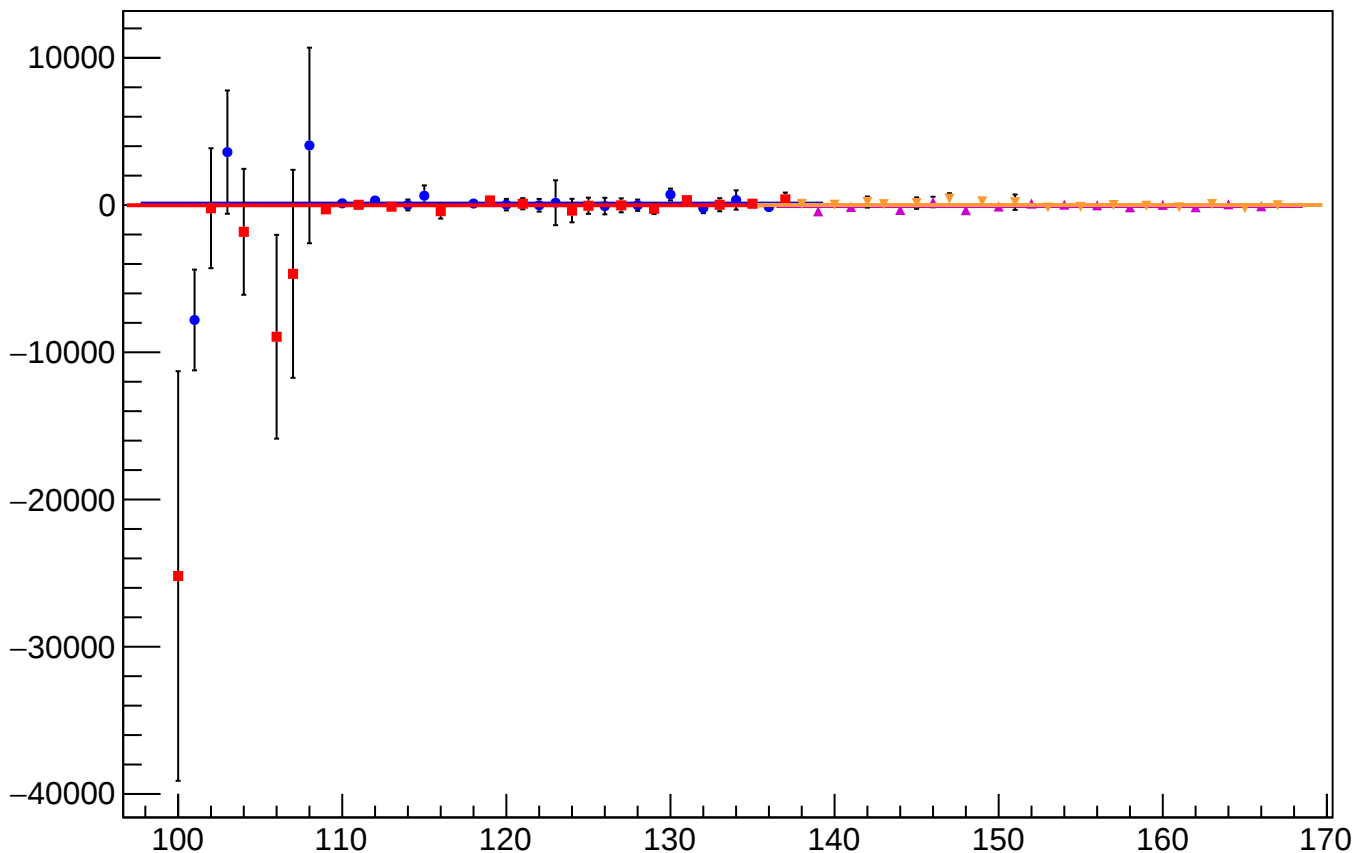
Left In: 29.207 $\pm$ 0.006 χ^2 /NDF: 105760.9/13

+ sign 28.858 $\pm$ 0.005 χ^2 /NDF: 3136679.7/32

All: 28.814 $\pm$ 0.004 χ^2 /NDF: 6736683.5/65

- sign 28.767 $\pm$ 0.005 χ^2 /NDF: 3599839.8/32

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

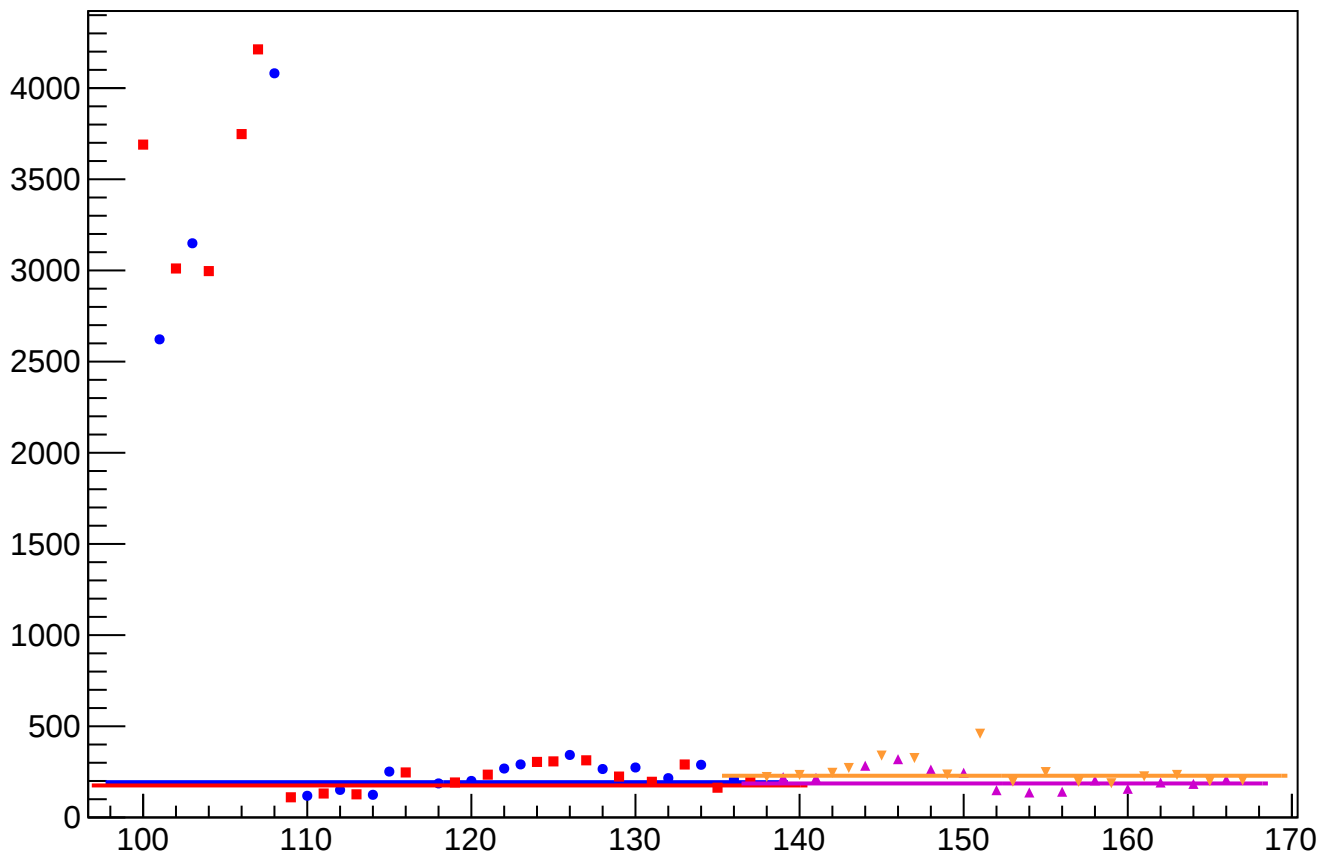
Left In: -64.546 $\pm$ 59.902 χ^2 /NDF: 5.9/13

+ sign 39.882 $\pm$ 54.345 χ^2 /NDF: 18.1/32

All: -8.135 $\pm$ 36.112 χ^2 /NDF: 38.0/65

- sign -46.101 $\pm$ 48.323 χ^2 /NDF: 18.4/32

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 228.796+/-0.048 χ^2/NDF : 947549.3/15

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

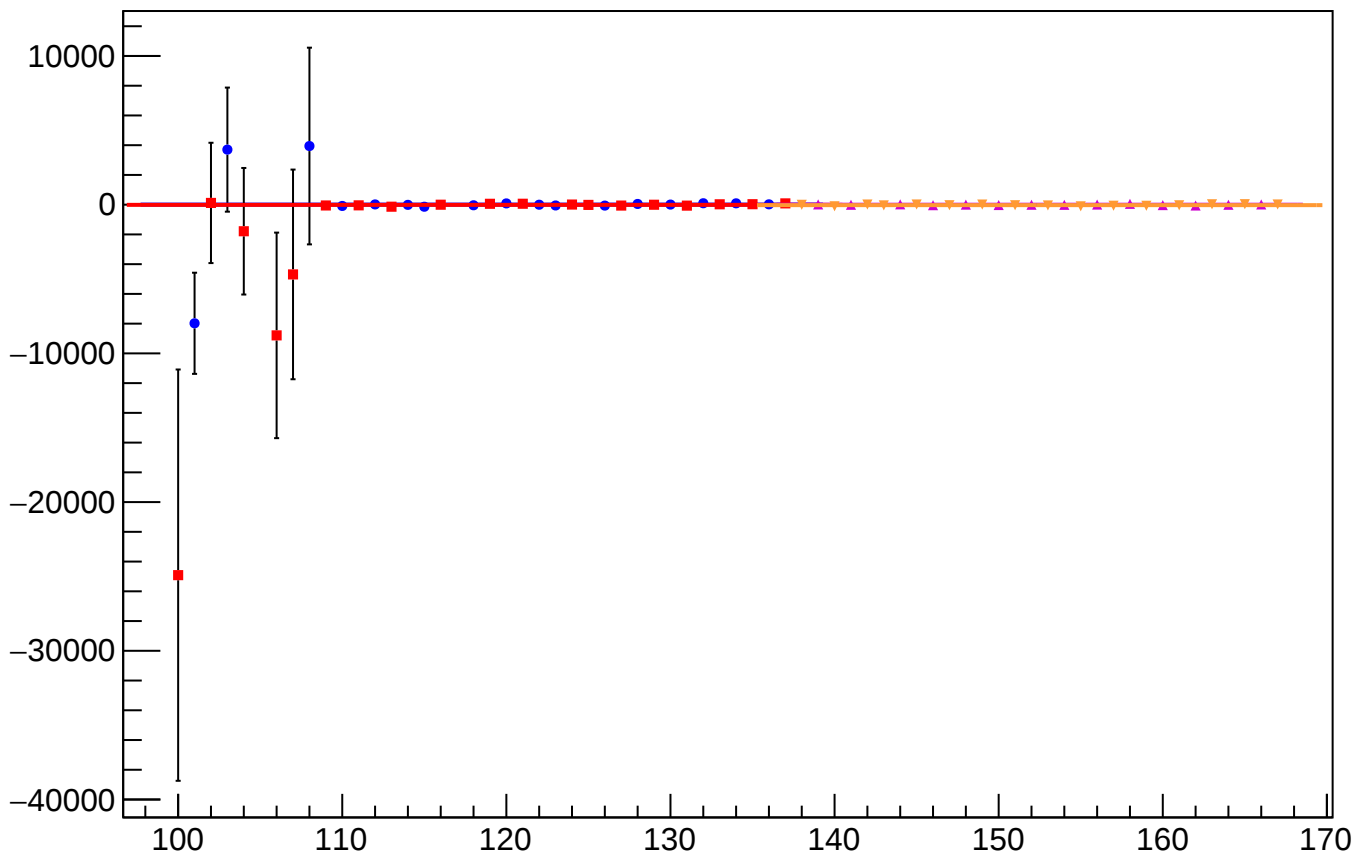
Left In: 186.452+/-0.042 χ^2/NDF : 1271034.1/13

+ sign 215.702+/-0.038 χ^2/NDF : 4681226.1/32

All: 197.233+/-0.026 χ^2/NDF : 10554752.7/65

- sign 182.631+/-0.034 χ^2/NDF : 5459919.1/32

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

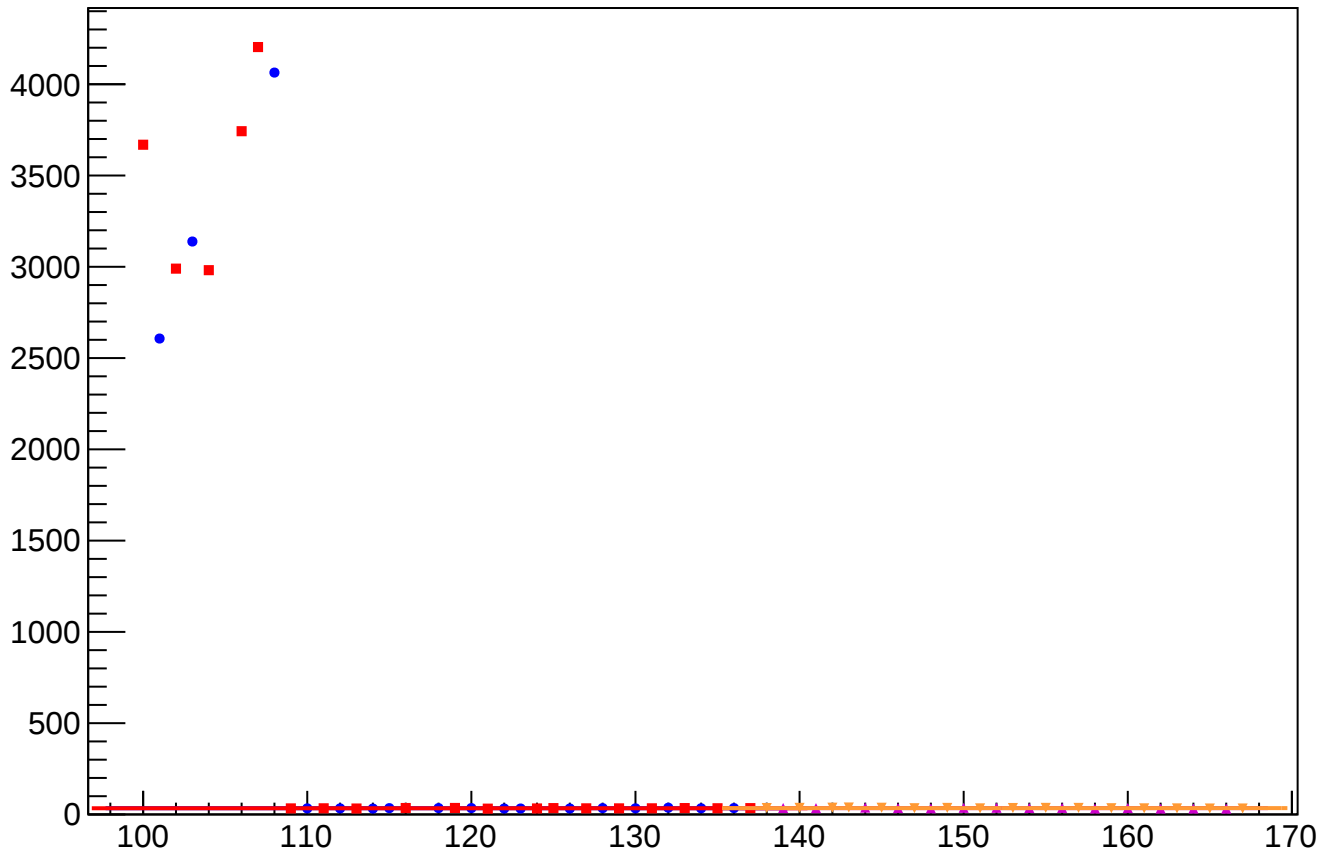
Left In: -2.627 ± 10.533 χ^2/NDF : 7.1/13

+ sign -19.870 ± 8.363 χ^2/NDF : 44.0/32

All: -13.035 ± 5.999 χ^2/NDF : 74.8/65

- sign -5.789 ± 8.611 χ^2/NDF : 29.4/32

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

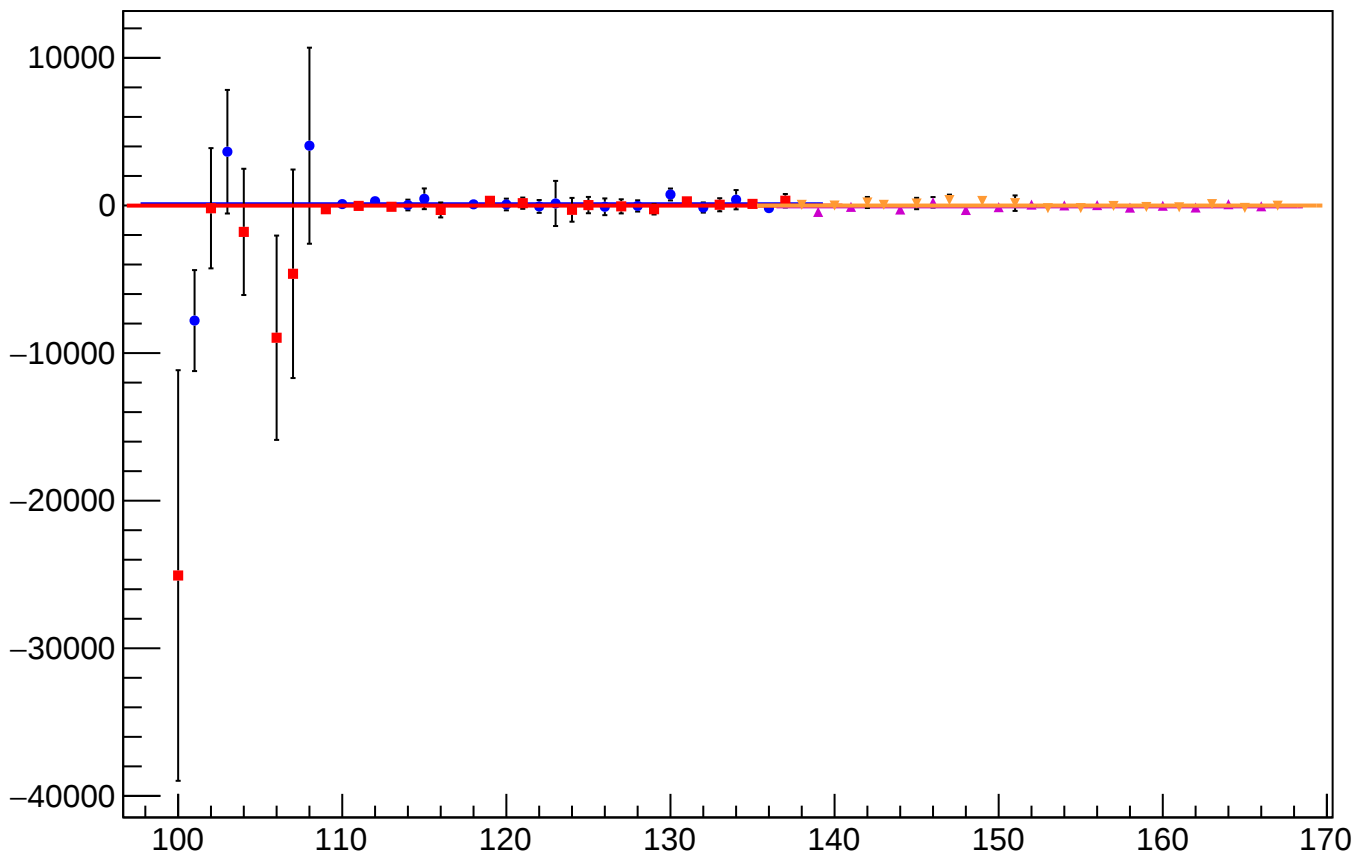
Left In: 34.708 $\pm$ 0.007 χ^2 /NDF: 51634.0/13

+ sign 34.553 $\pm$ 0.006 χ^2 /NDF: 3055167.3/32

All: 34.500 $\pm$ 0.004 χ^2 /NDF: 6562658.2/65

- sign 34.444 $\pm$ 0.006 χ^2 /NDF: 3507326.0/32

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

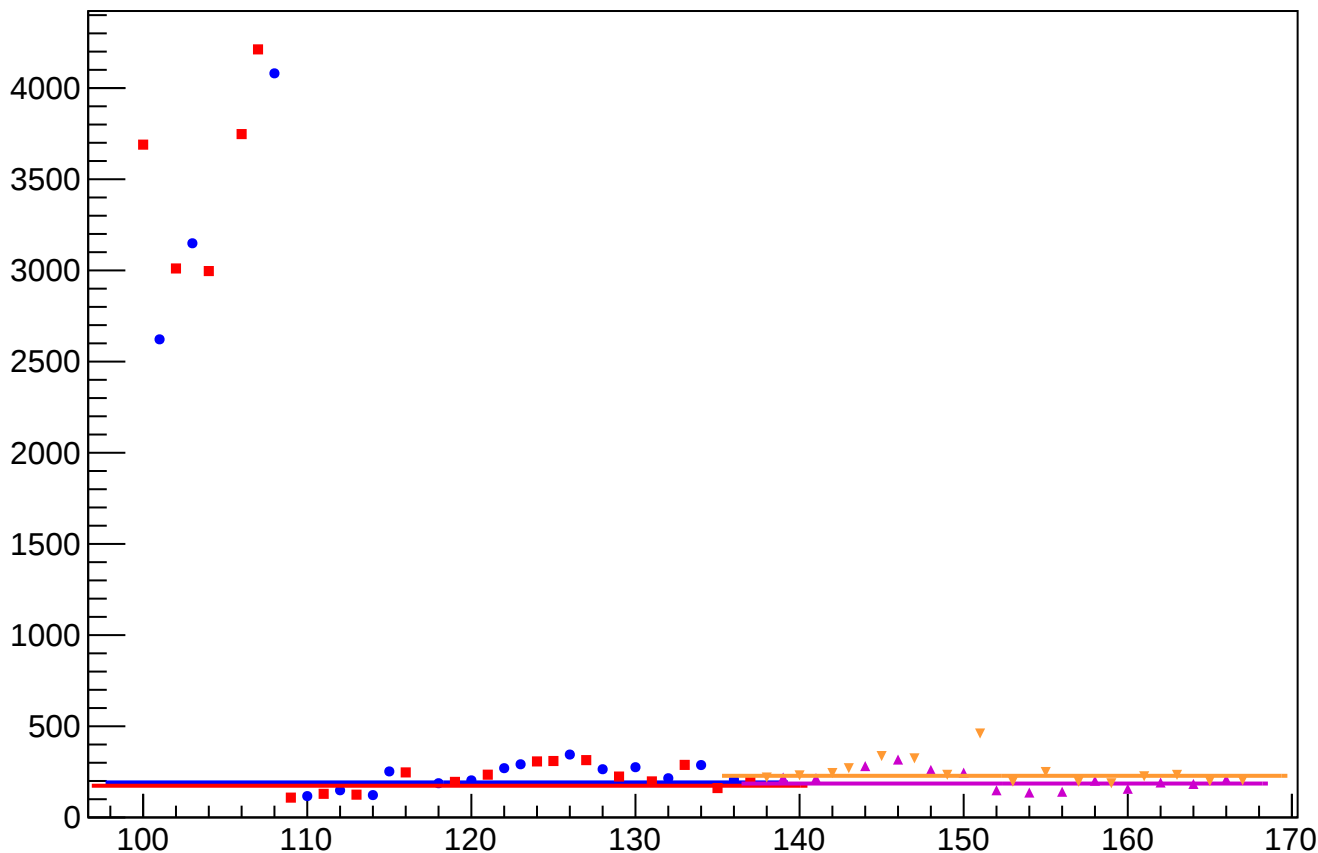
Left In: -61.225+/-59.743 χ^2/NDF : 5.3/13

+ sign 29.096+/-54.180 χ^2/NDF : 18.1/32

All: -11.057+/-35.984 χ^2/NDF : 35.8/65

- sign -42.747+/-48.133 χ^2/NDF : 16.7/32

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

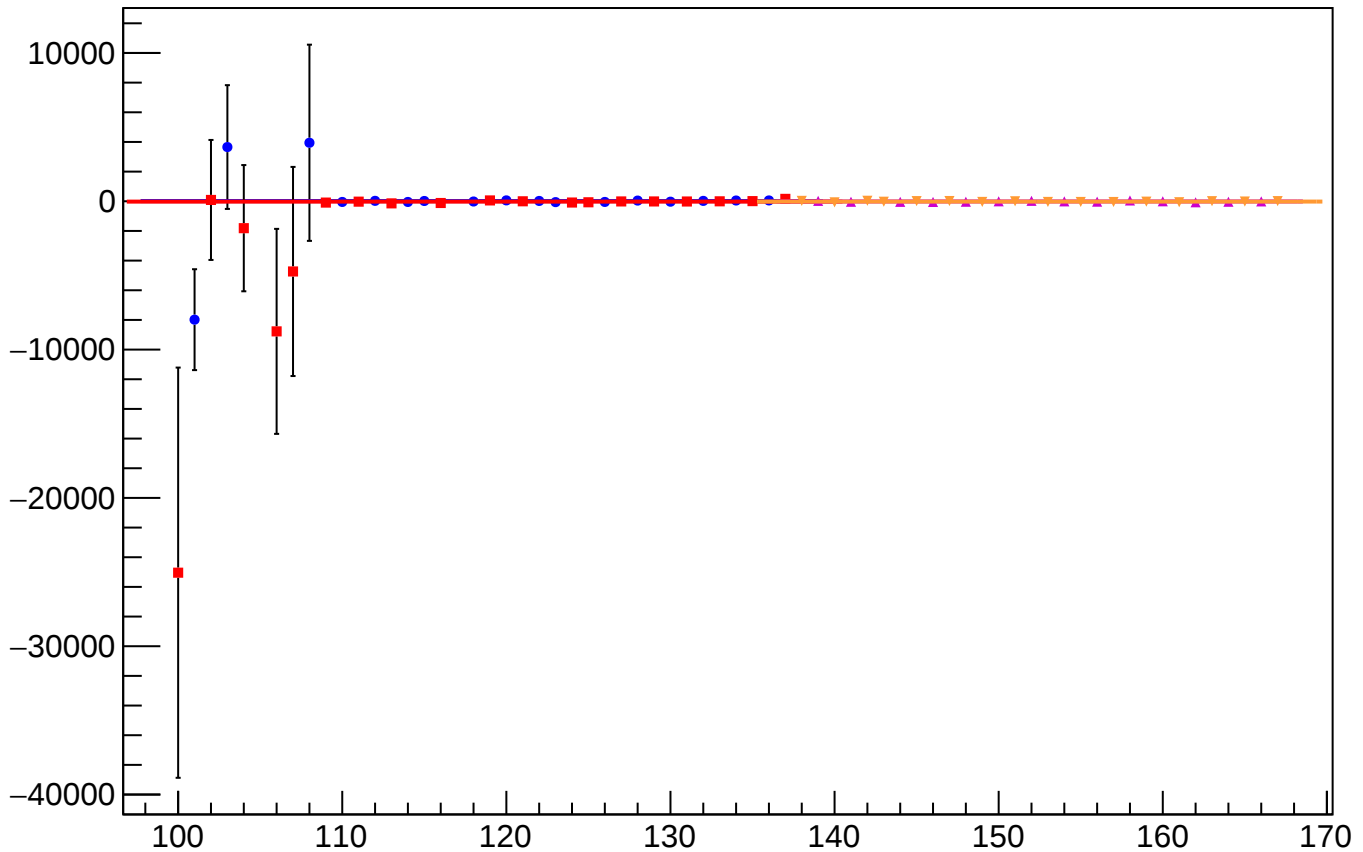
Left In: 185.973+/-0.042 χ^2/NDF : 1258152.1/13

+ sign 214.908+/-0.038 χ^2/NDF : 4720317.4/32

All: 196.380+/-0.025 χ^2/NDF : 10636909.6/65

- sign 181.758+/-0.034 χ^2/NDF : 5498138.8/32

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

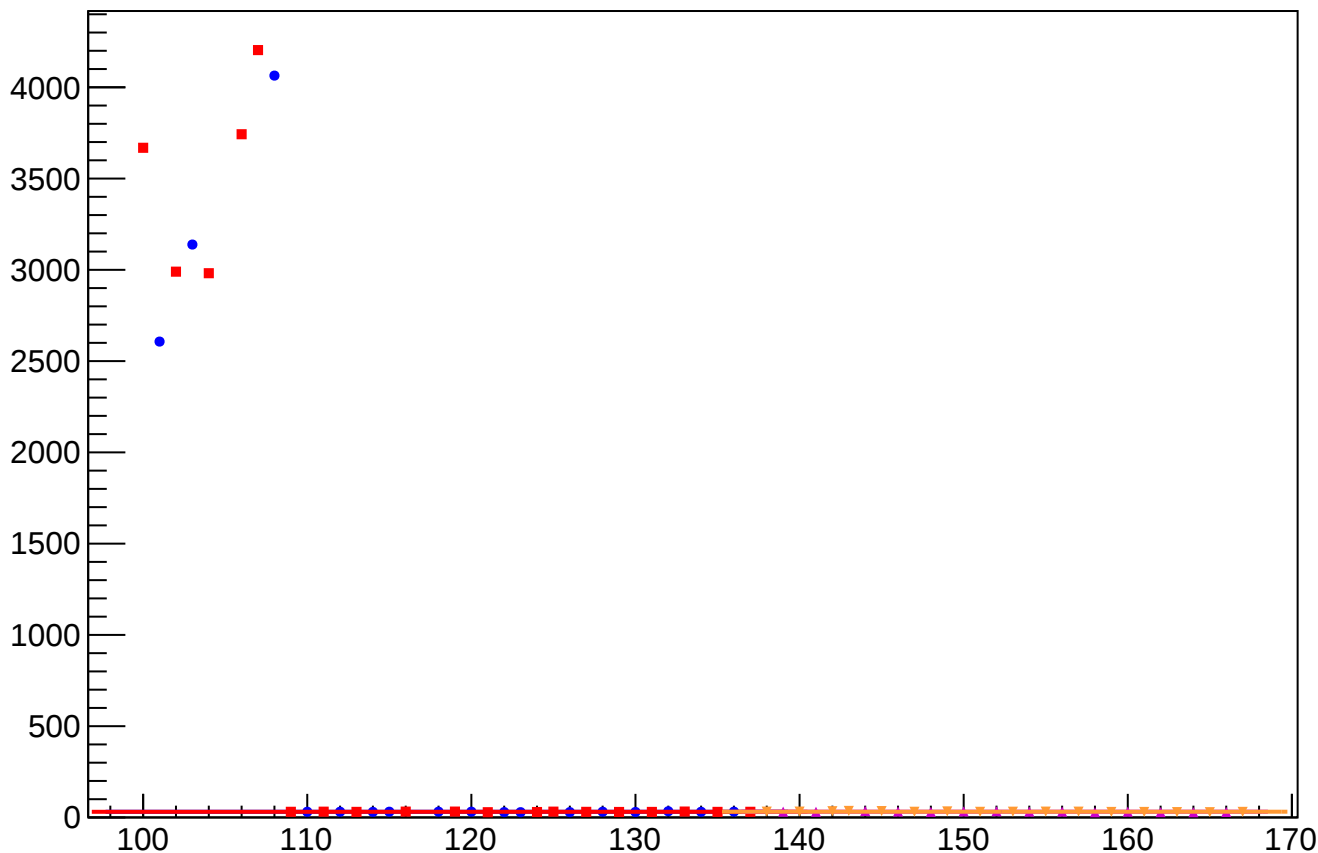
Left In: -11.949+/-9.552 χ^2/NDF : 12.2/13

+ sign -9.762+/-7.603 χ^2/NDF : 30.5/32

All: -12.524+/-5.454 χ^2/NDF : 71.4/65

- sign -15.453+/-7.828 χ^2/NDF : 40.6/32

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153 $\pm$ 0.010 χ^2 /NDF: 3014515.0/16

Left Out: 31.492 $\pm$ 0.006 χ^2 /NDF: 72403.9/15

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458924.5/18

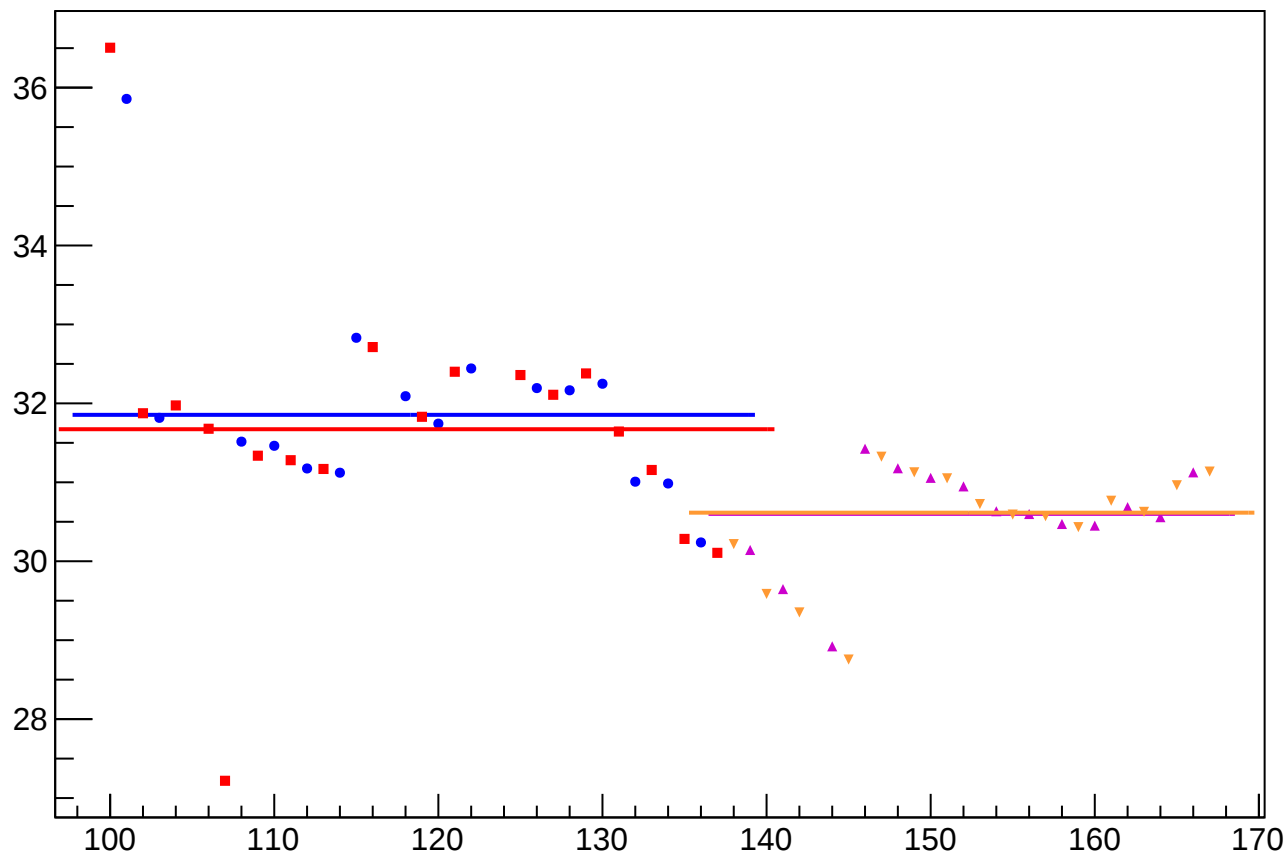
Left In: 31.426 $\pm$ 0.007 χ^2 /NDF: 79832.9/13

+ sign 31.388 $\pm$ 0.005 χ^2 /NDF: 3087763.7/32

All: 31.332 $\pm$ 0.004 χ^2 /NDF: 6628285.8/65

- sign 31.274 $\pm$ 0.006 χ^2 /NDF: 3540304.2/32

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

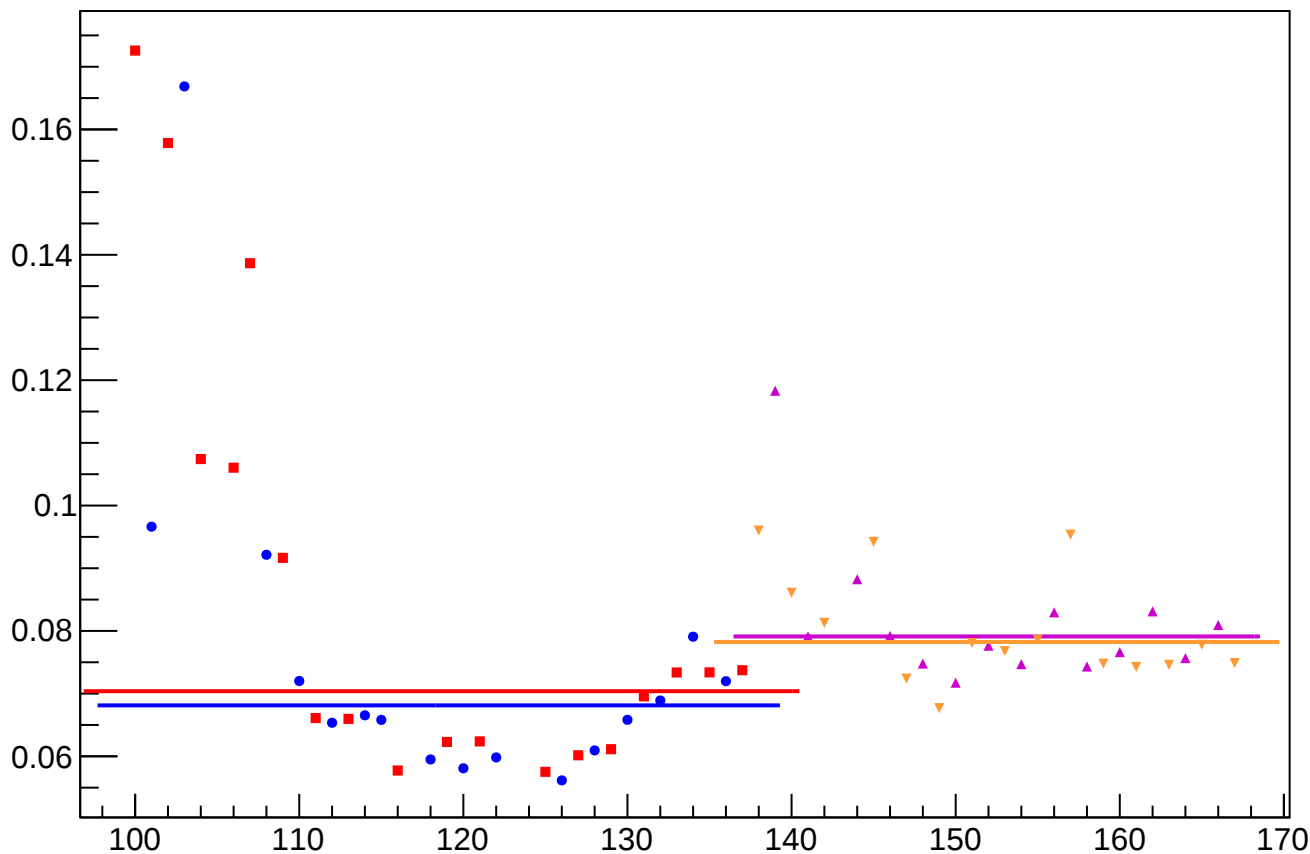
Left In: 30.600 $\pm$ 0.000 χ^2 /NDF: 587420022.9/13

+ sign 31.148 $\pm$ 0.000 χ^2 /NDF: 3307737778.1/30

All: 31.107 $\pm$ 0.000 χ^2 /NDF: 5601381797.0/6

- sign 31.064 $\pm$ 0.000 χ^2 /NDF: 2283840183.0/31

yield_usl_rms vs Slug



Right In: 0.068 ± 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.078 ± 0.000 χ^2/NDF : 199828.9/14

Right Out: 0.070 ± 0.000 χ^2/NDF : 841320.1/17

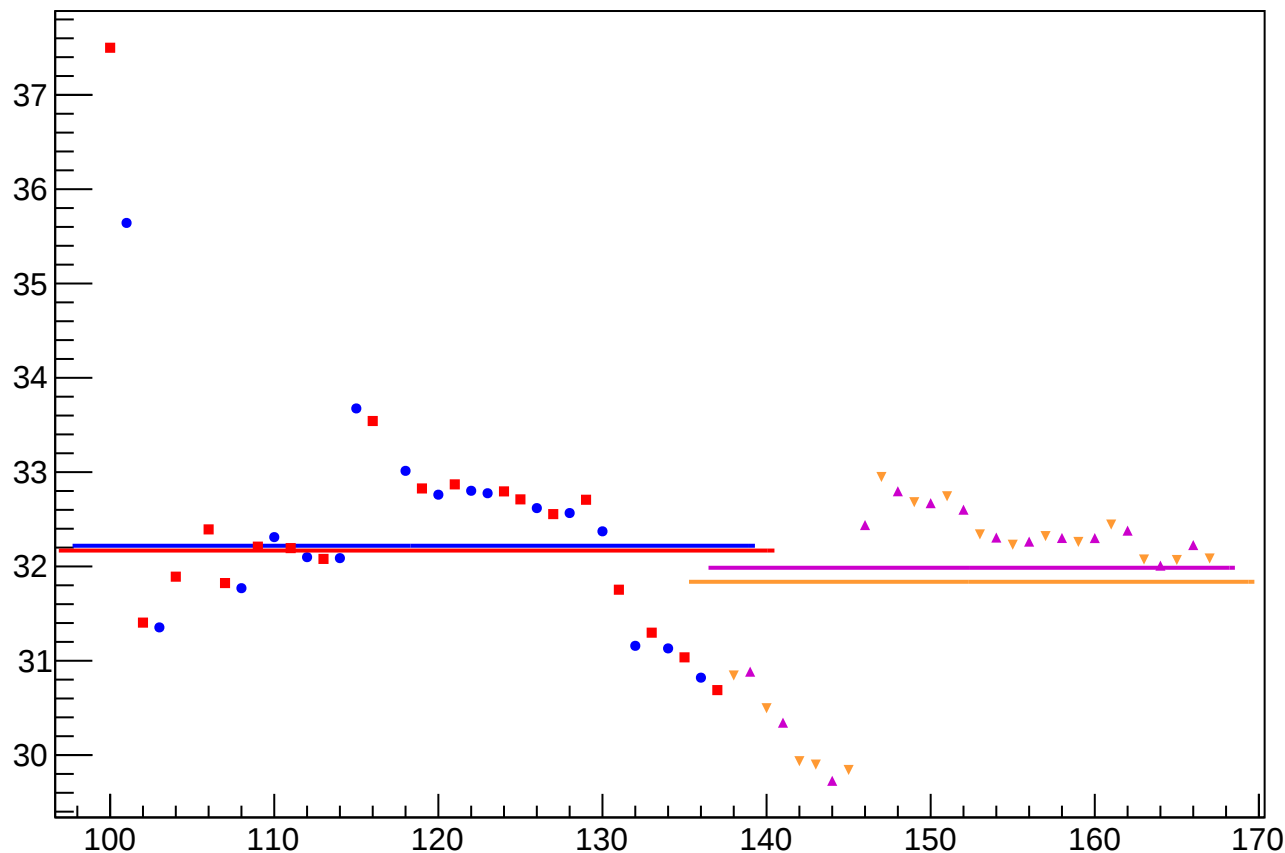
Left In: 0.079 ± 0.000 χ^2/NDF : 213828.8/13

+ sign 0.074 ± 0.000 χ^2/NDF : 974812.7/30

All: 0.075 ± 0.000 χ^2/NDF : 2139060.4/62

- sign 0.075 ± 0.000 χ^2/NDF : 1158380.7/31

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

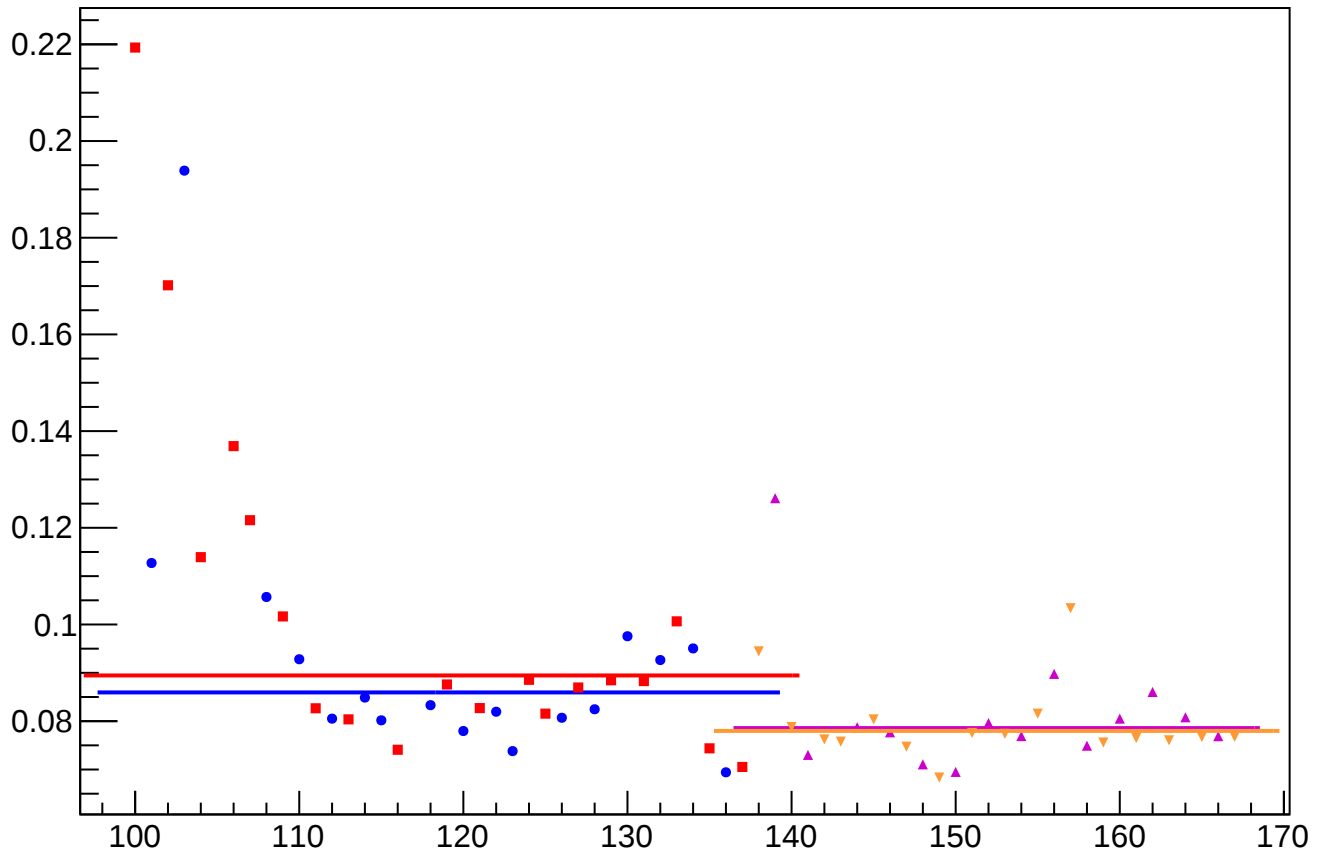
Left In: 31.986+/-0.000 χ^2/NDF : 1399161156.4/13

+ sign 31.955+/-0.000 χ^2/NDF : 2919129347.3/32

All: 31.998+/-0.000 χ^2/NDF : 4787924418.9/6

- sign 32.045+/-0.000 χ^2/NDF : 1858755307.4/32

yield_usr_rms vs Slug



Right In: 0.086 ± 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.078 ± 0.000 χ^2/NDF : 160550.9/15

Right Out: 0.089 ± 0.000 χ^2/NDF : 539869.9/18

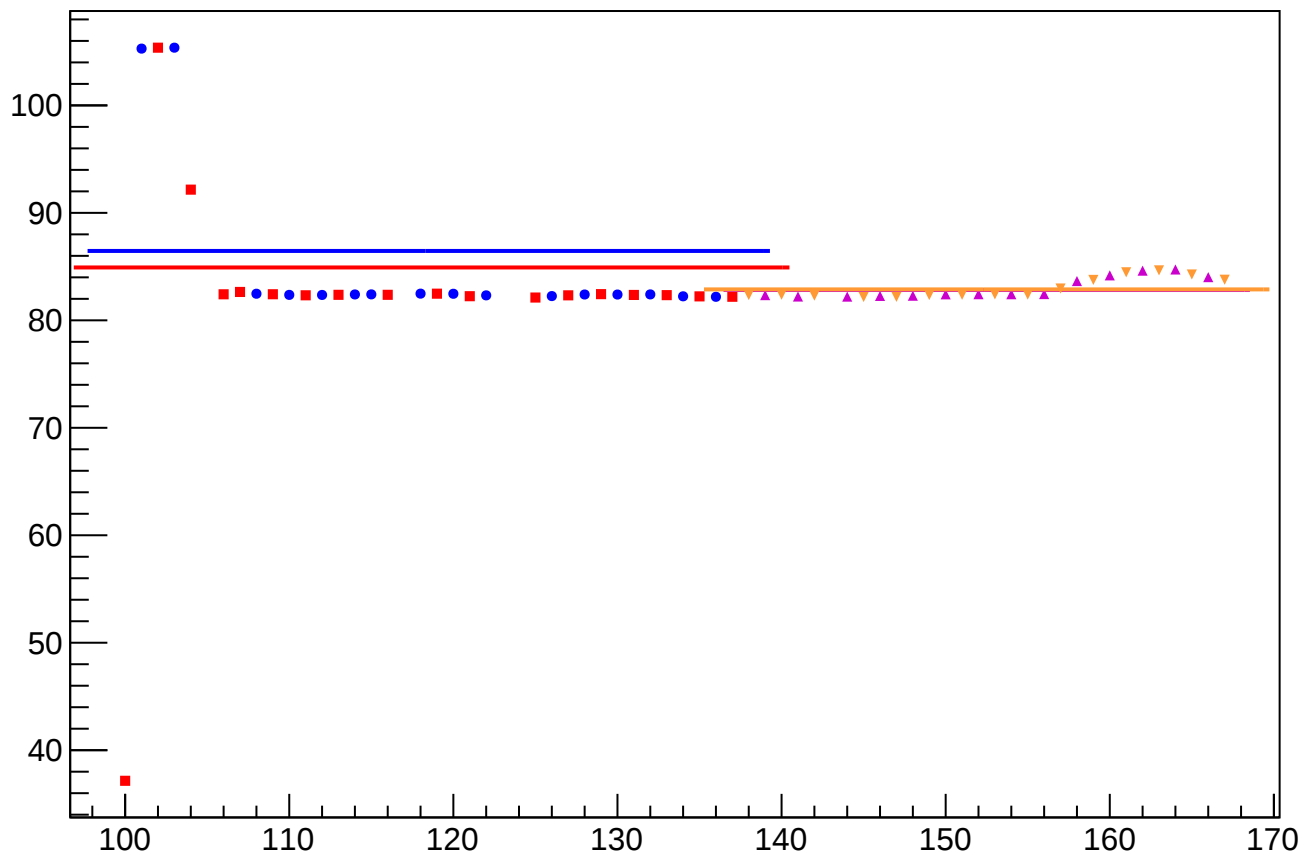
Left In: 0.079 ± 0.000 χ^2/NDF : 292503.4/13

+ sign 0.080 ± 0.000 χ^2/NDF : 782705.8/32

All: 0.081 ± 0.000 χ^2/NDF : 1745127.0/65

- sign 0.082 ± 0.000 χ^2/NDF : 955676.5/32

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

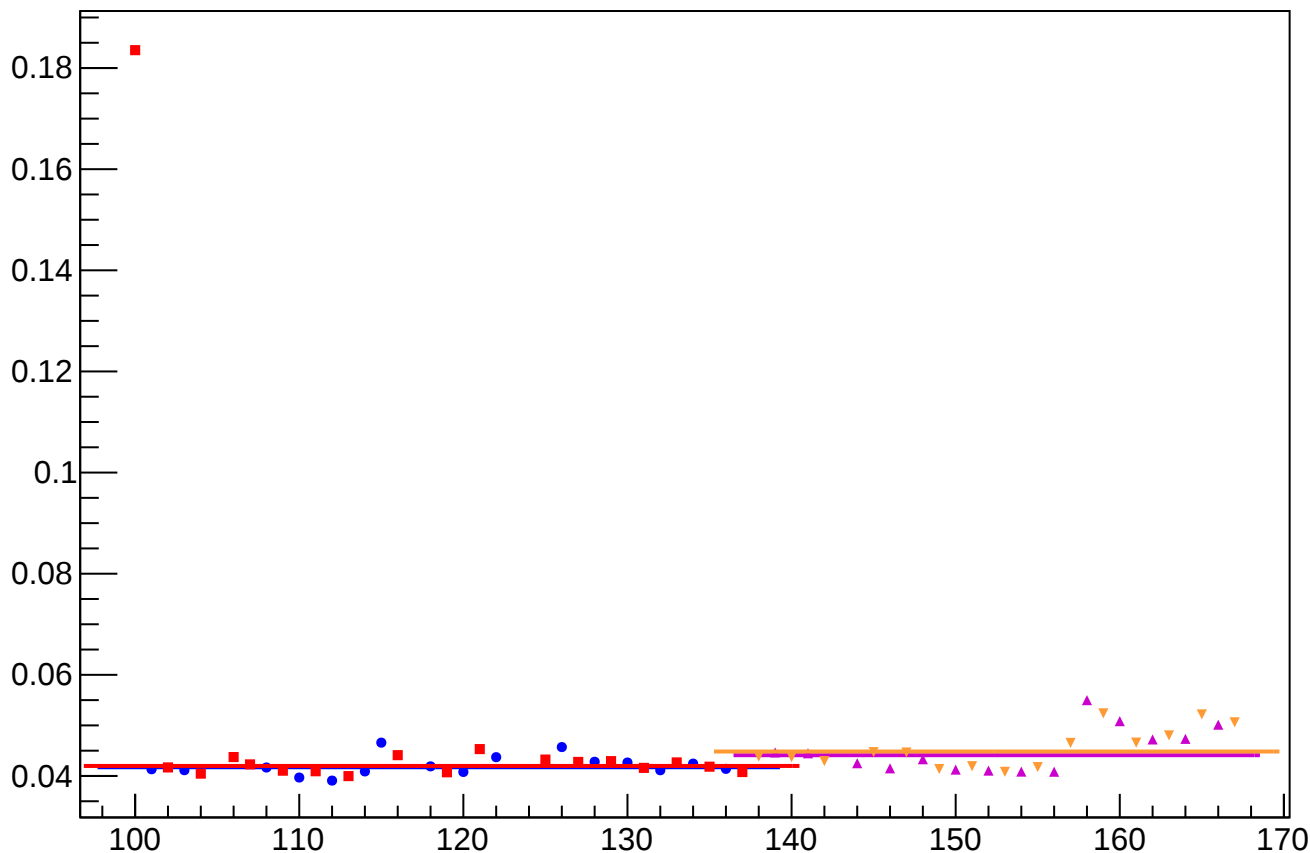
Left In: 82.821+/-0.000 χ^2/NDF : 3998551269.5/13

+ sign 84.342+/-0.000 χ^2/NDF : 323860424037.6/30

All: 84.017+/-0.000 χ^2/NDF : 512010905152.0

- sign 83.697+/-0.000 χ^2/NDF : 186216182640.1/31

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

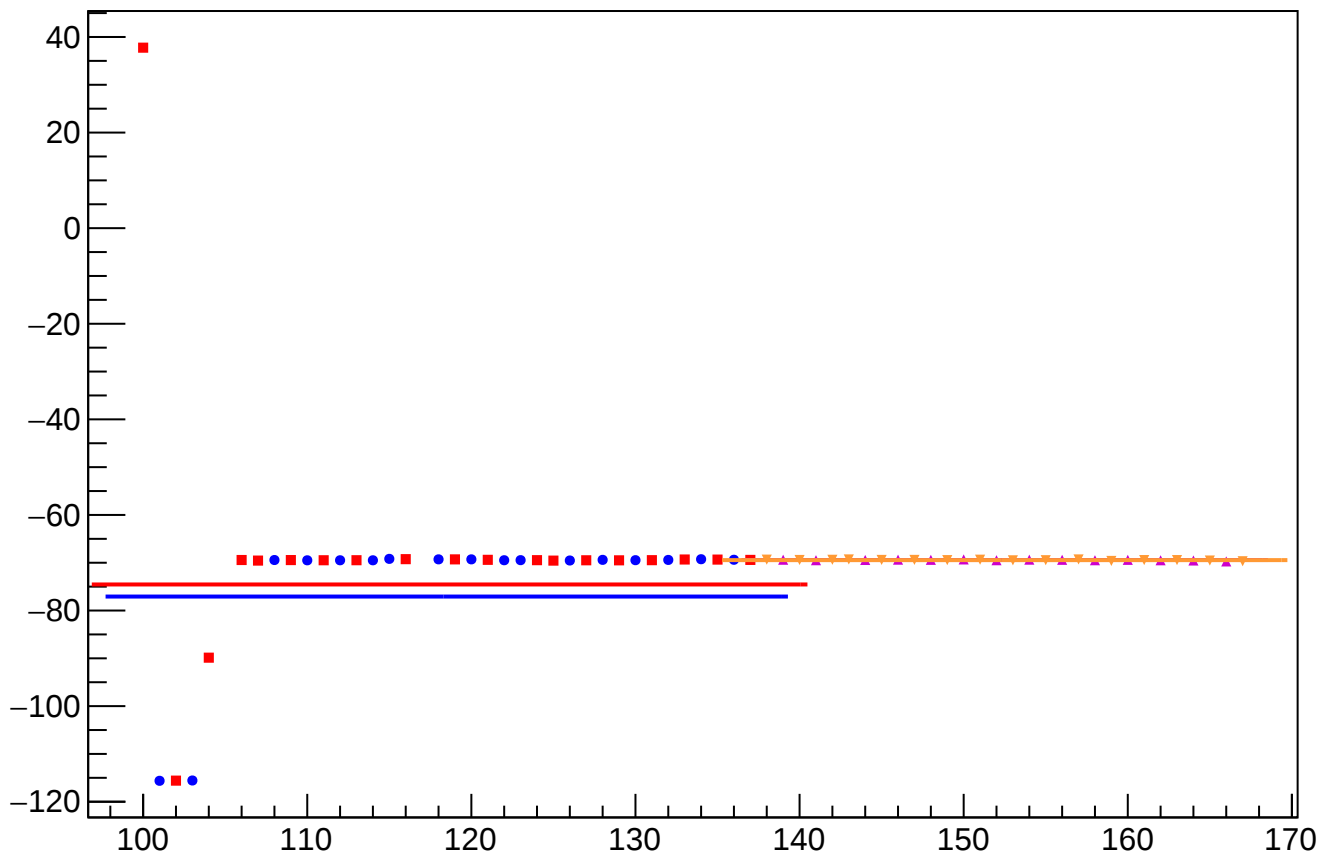
Left In: 0.044 $\pm$ 0.000 χ^2 /NDF: 163508.4/13

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 193232.2/30

All: 0.043 $\pm$ 0.000 χ^2 /NDF: 475247.4/62

- sign 0.043 $\pm$ 0.000 χ^2 /NDF: 280908.9/31

yield_dsr_mean vs Slug



Right In: -77.074 $\pm$ 0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.452 $\pm$ 0.000 χ^2/NDF : 39138594.5/15

Right Out: -74.547 $\pm$ 0.000 χ^2/NDF : 371890102737.4/18

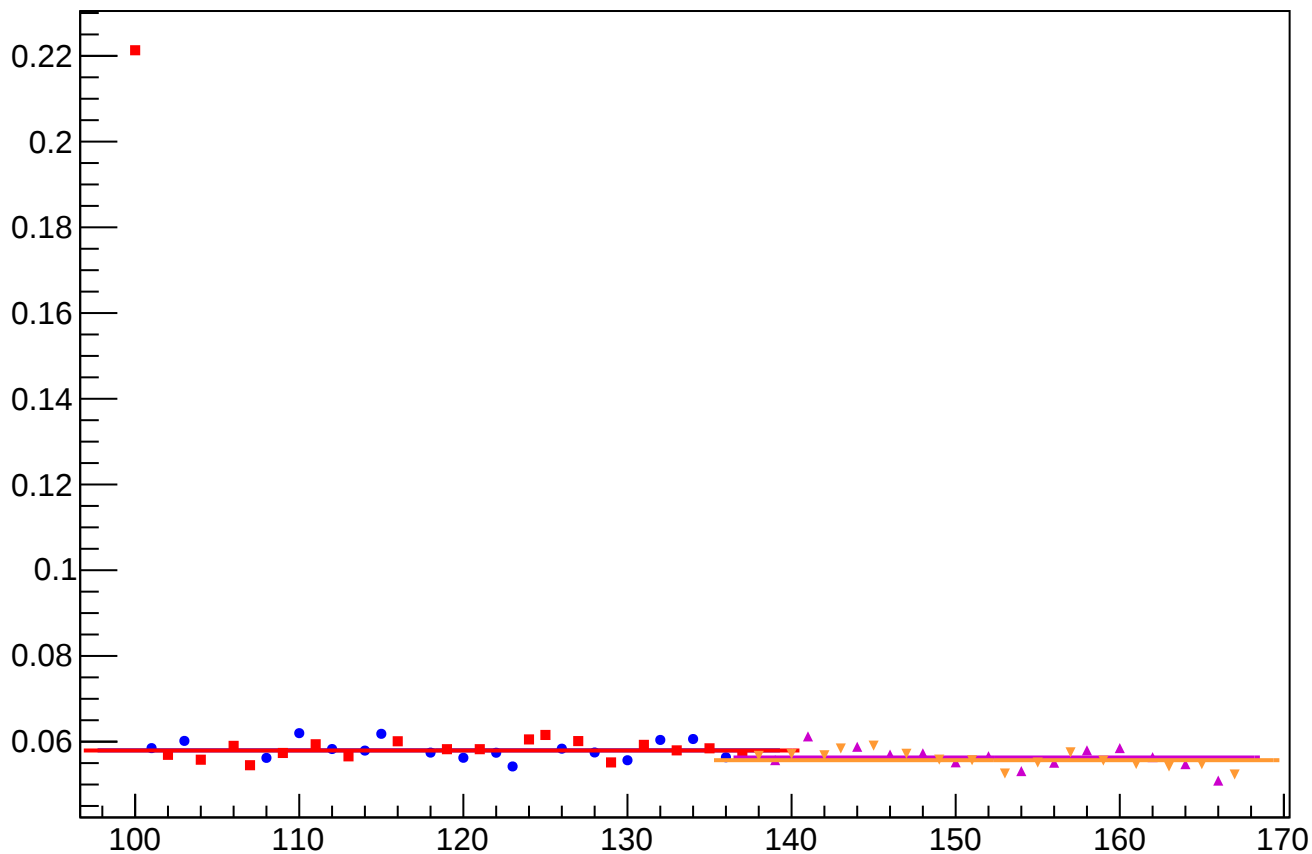
Left In: -69.430 $\pm$ 0.000 χ^2/NDF : 30805260.0/13

+ sign -72.046 $\pm$ 0.000 χ^2/NDF : 638815394905.3/3

All: -71.722 $\pm$ 0.000 χ^2/NDF : 104502901700

- sign -71.381 $\pm$ 0.000 χ^2/NDF : 404999992300.7/32

yield_dsr_rms vs Slug



Right In: 0.058 $\pm$ 0.000 χ^2/NDF : 12275.6/16

Left Out: 0.056 $\pm$ 0.000 χ^2/NDF : 25486.9/15

Right Out: 0.058 $\pm$ 0.000 χ^2/NDF : 86466.5/18

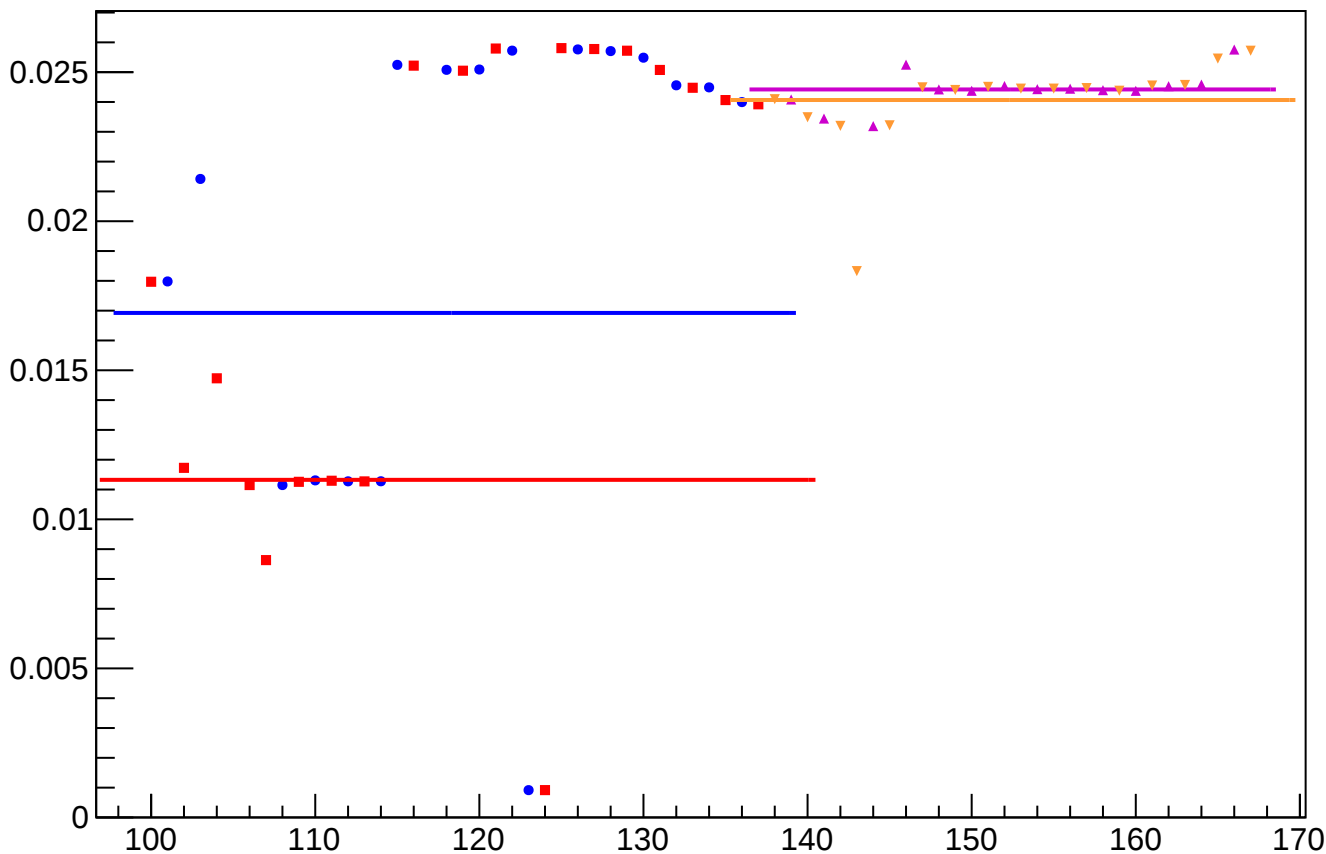
Left In: 0.056 $\pm$ 0.000 χ^2/NDF : 38058.0/13

+ sign 0.056 $\pm$ 0.000 χ^2/NDF : 51044.9/32

All: 0.057 $\pm$ 0.000 χ^2/NDF : 183532.8/65

- sign 0.057 $\pm$ 0.000 χ^2/NDF : 131266.0/32

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

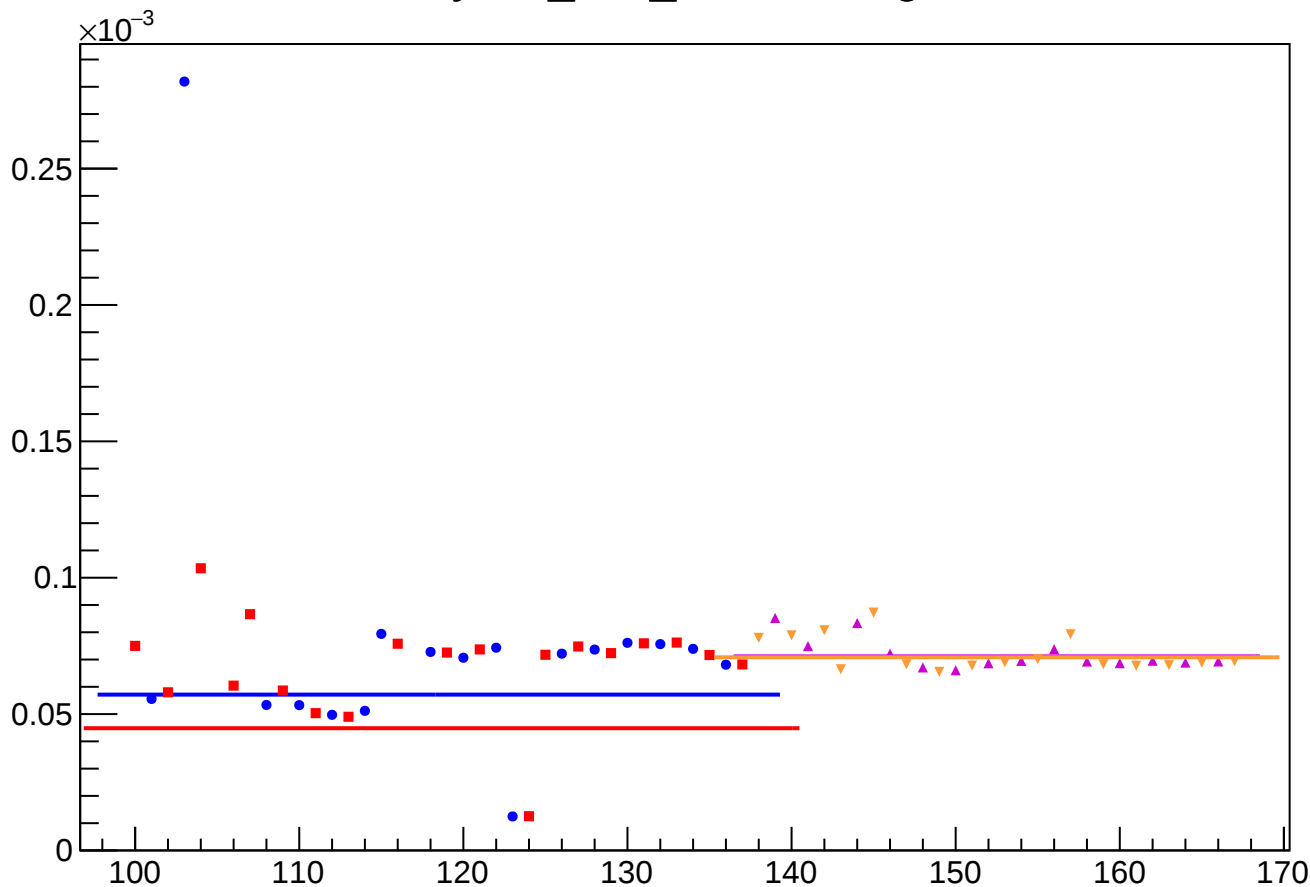
Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 646307778.3/13

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 181941054220.4/32

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 637097027881.6

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 427501789564.7/32

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

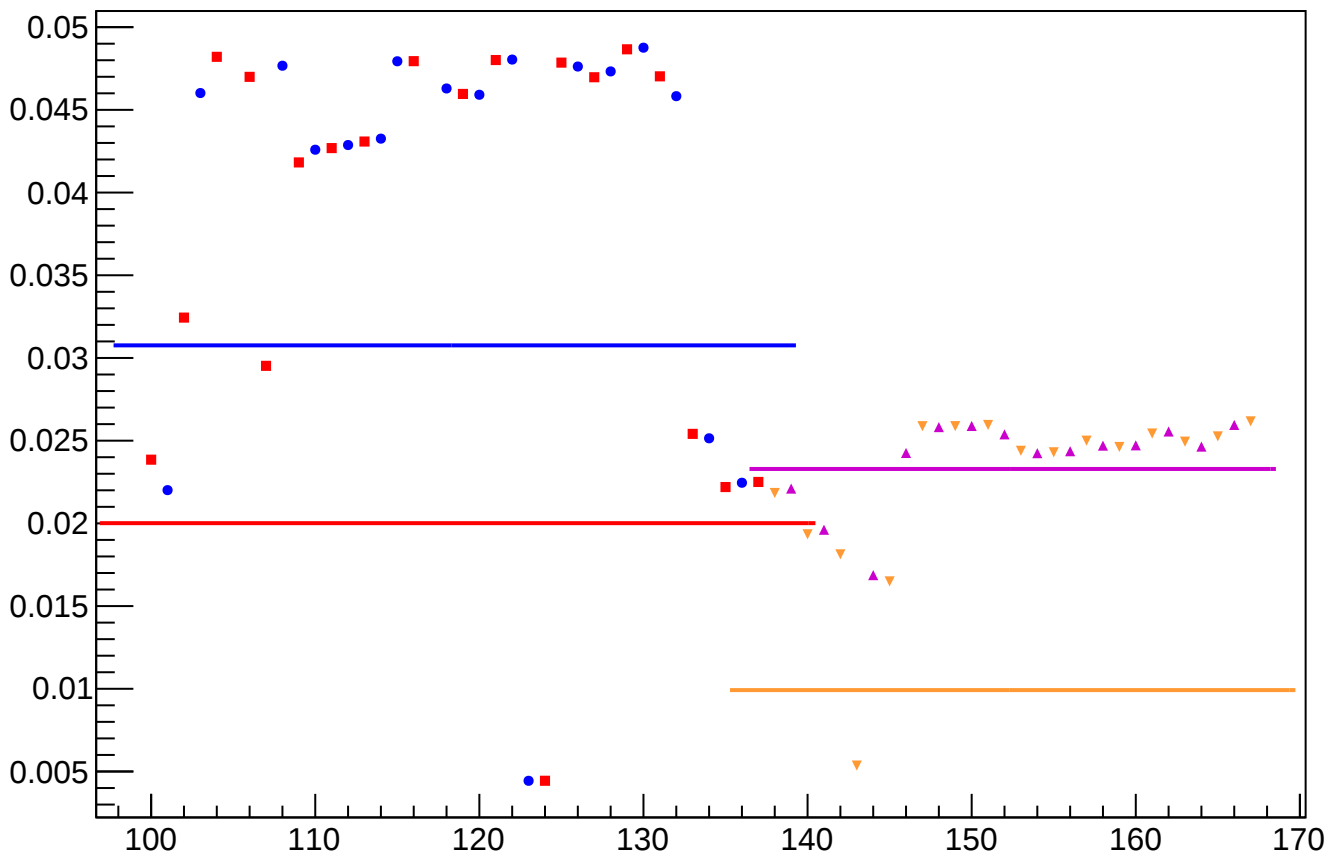
Left In: 0.000+/-0.000 χ^2/NDF :106008.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 2505428.7/32

All: 0.000+/-0.000 χ^2/NDF : 8023362.8/65

- sign 0.000+/-0.000 χ^2/NDF : 5251772.8/32

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

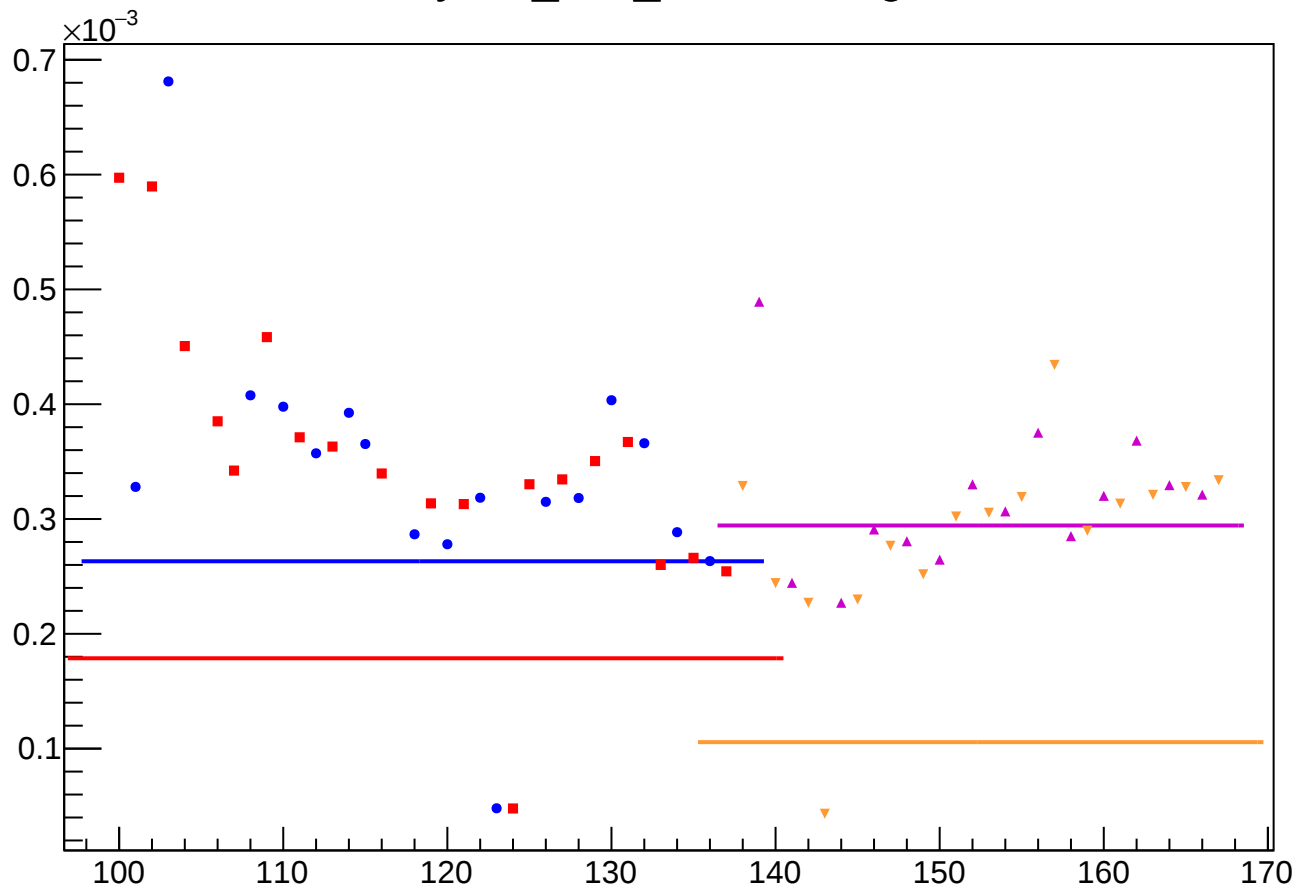
Left In: 0.023+/-0.000 χ^2/NDF : 1083135652.5/13

+ sign 0.013+/-0.000 χ^2/NDF : 77627557515.7/32

All: 0.015+/-0.000 χ^2/NDF : 132217203458.2

- sign 0.022+/-0.000 χ^2/NDF : 41708954055.6/32

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

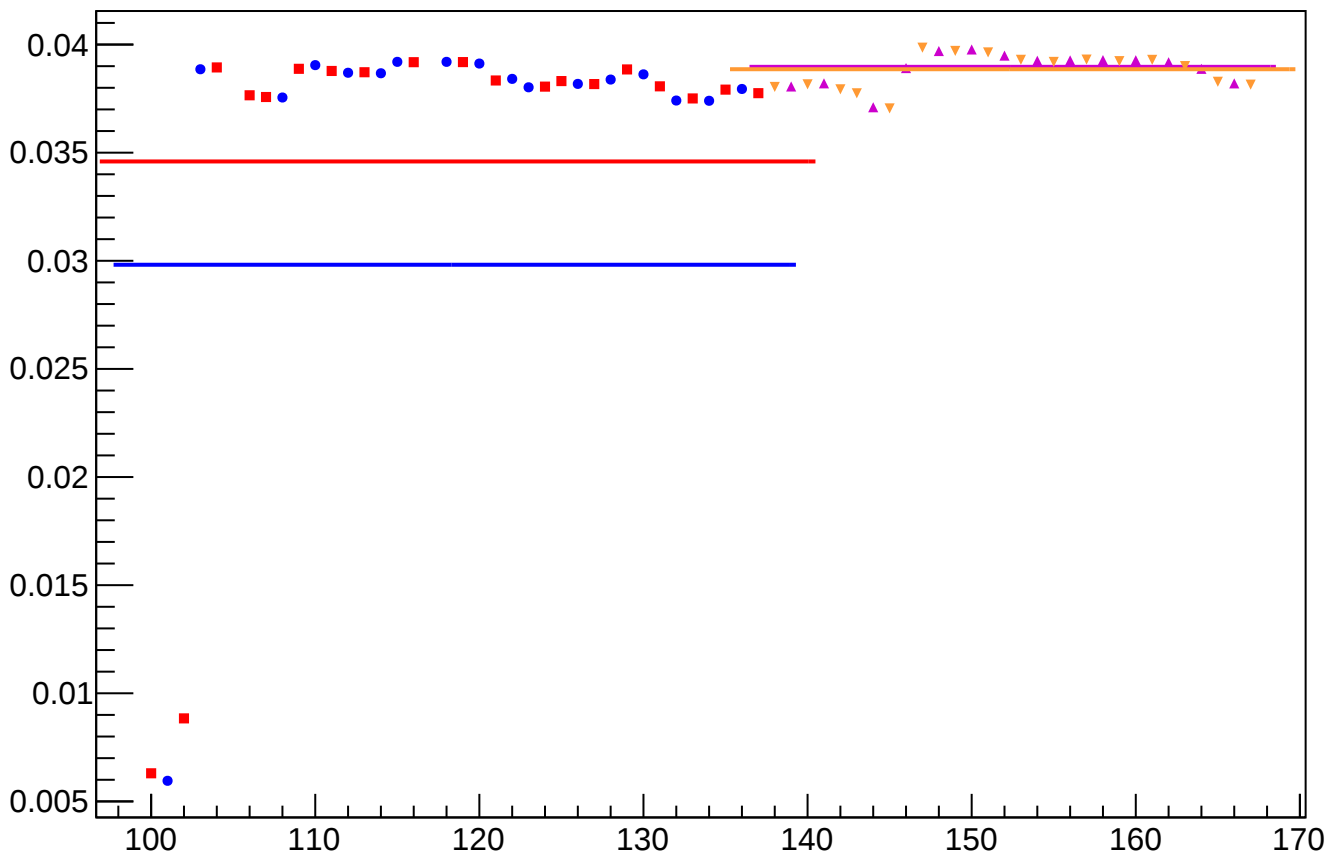
Left In: 0.000+/-0.000 χ^2/NDF : 616955.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 16543355.5/32

All: 0.000+/-0.000 χ^2/NDF : 27836073.9/65

- sign 0.000+/-0.000 χ^2/NDF : 7488683.0/32

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

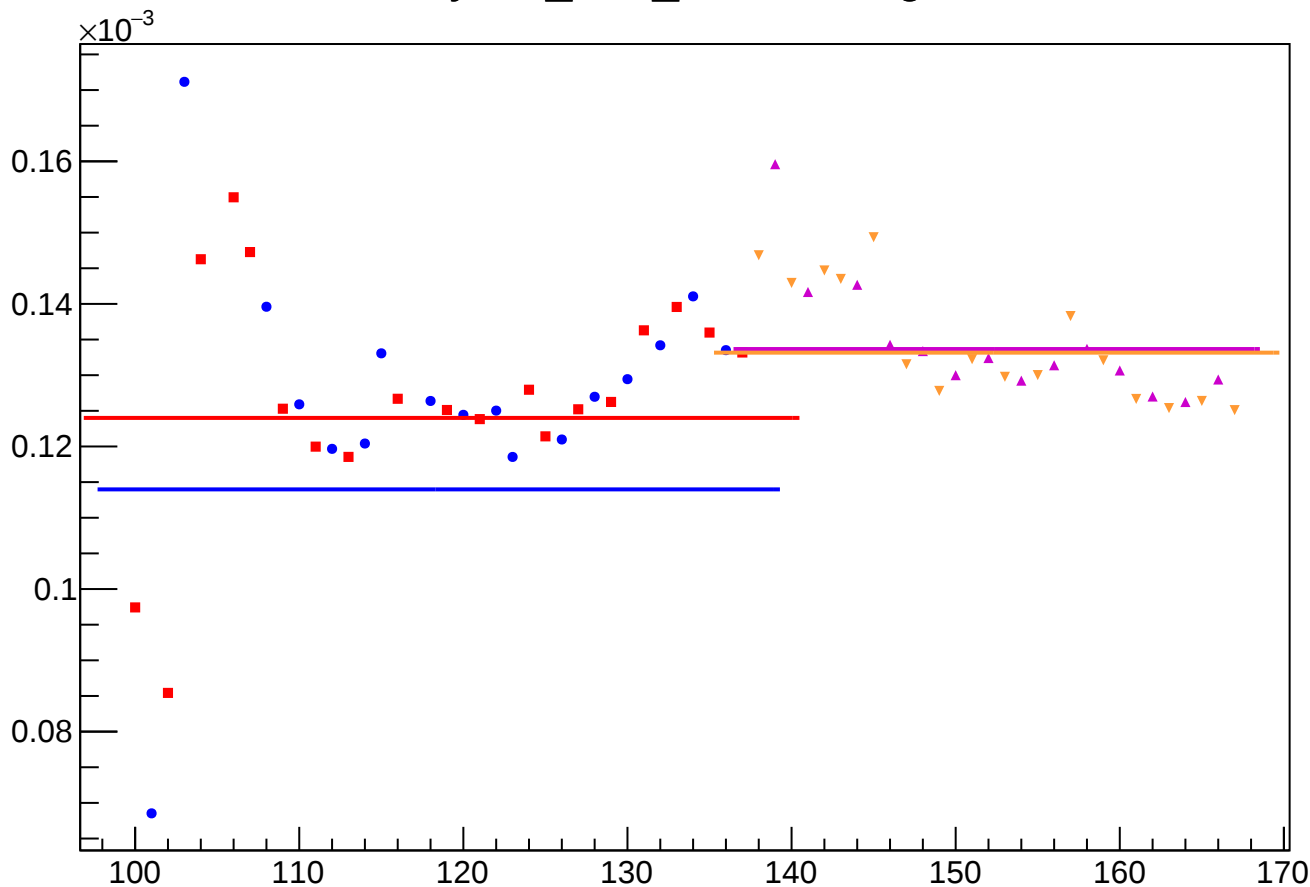
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 294745990.9/13

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 119955463057.1/32

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 170984285021.0

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 48756269254.7/32

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 794542.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 75445.7/15

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 245154.5/18

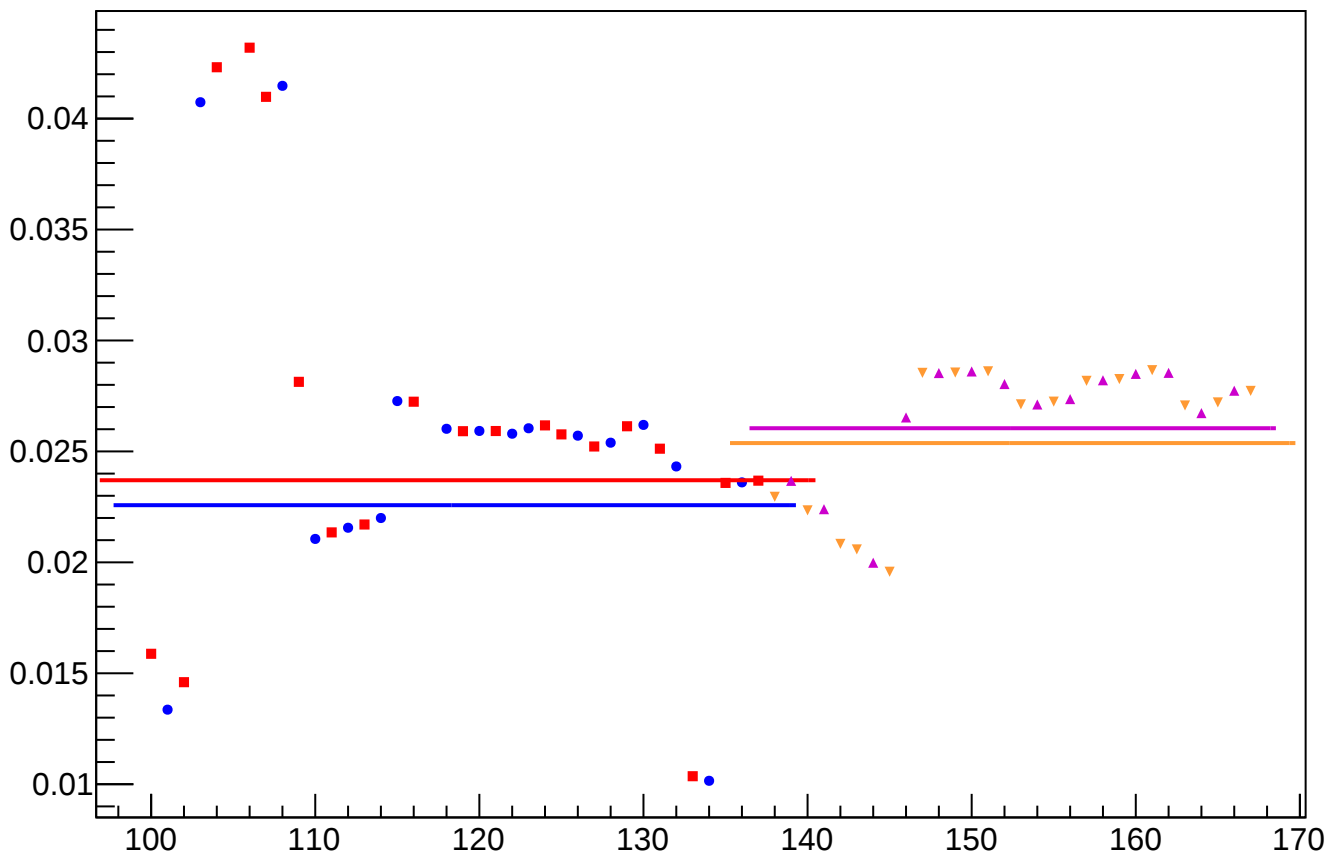
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 63567.7/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1071791.9/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 1448784.7/65

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 355466.6/32

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

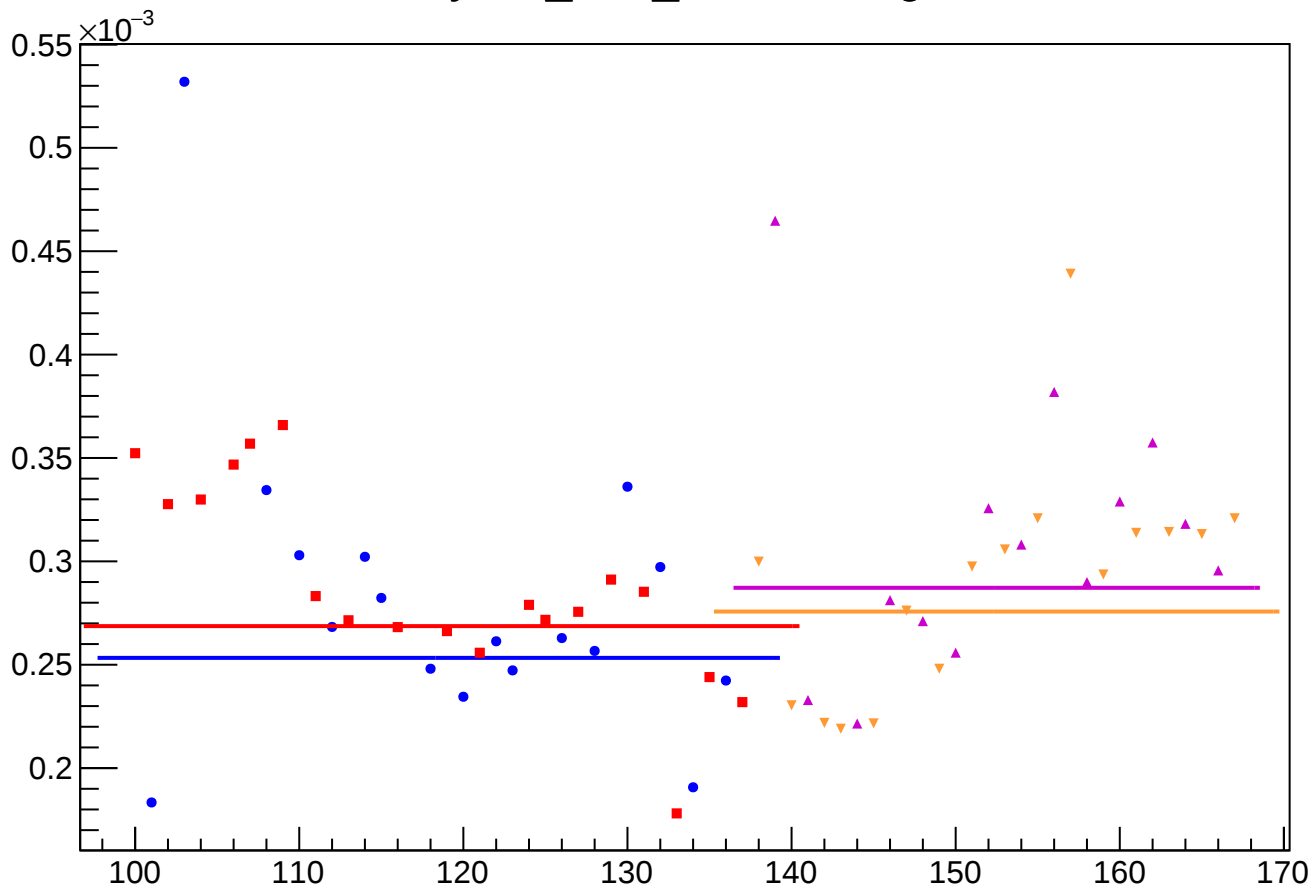
Left In: 0.026+/-0.000 χ^2/NDF : 1118358568.9/13

+ sign 0.024+/-0.000 χ^2/NDF : 6321181232.7/32

All: 0.025+/-0.000 χ^2/NDF : 13430793147.8/6

- sign 0.025+/-0.000 χ^2/NDF : 7041496705.0/32

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 587833.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

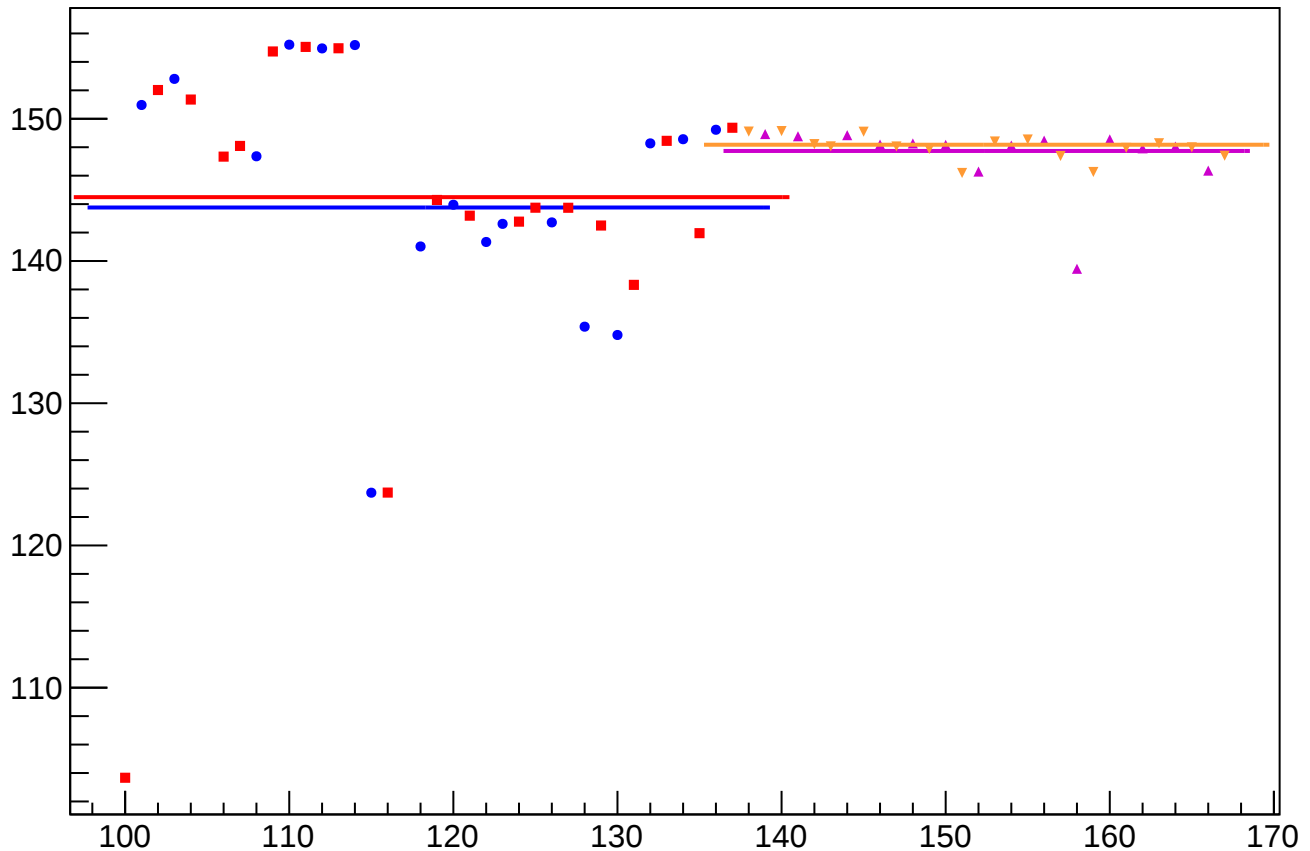
Left In: 0.000+/-0.000 χ^2/NDF : 657404.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 1271573.9/32

All: 0.000+/-0.000 χ^2/NDF : 2425341.5/65

- sign 0.000+/-0.000 χ^2/NDF : 1119721.6/32

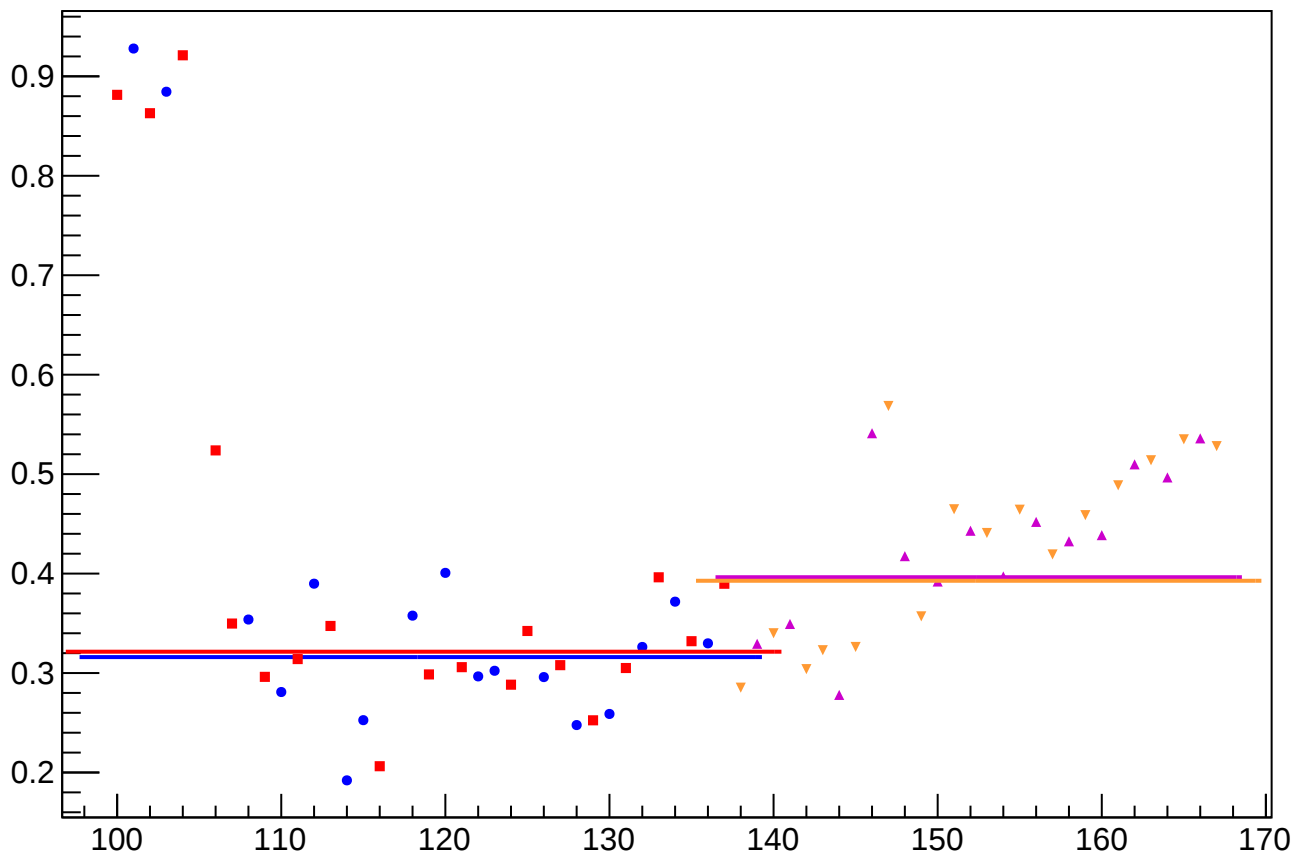
yield_bcm_an_ds_mean vs Slug



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: 147.737 $\pm$ 0.000 χ^2 /NDF: 325187601.5/13

+ sign 146.238 $\pm$ 0.000 χ^2 /NDF: 4194515133.6/32
 All: 146.228 $\pm$ 0.000 χ^2 /NDF: 9020158270.0
 - sign 146.217 $\pm$ 0.000 χ^2 /NDF: 4825617120.5/32

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

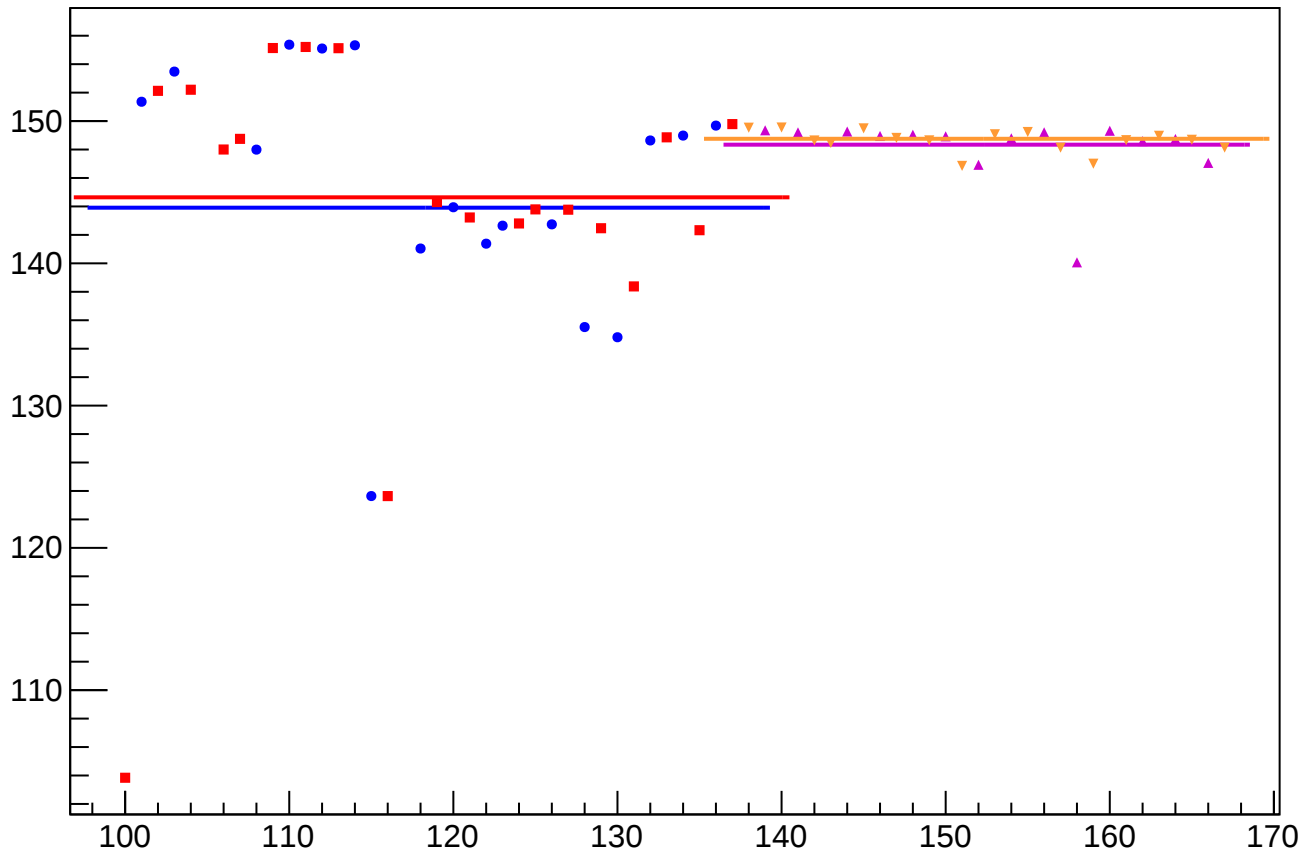
Left In: 0.396 ± 0.000 χ^2/NDF : 766434.5/13

+ sign 0.359 ± 0.000 χ^2/NDF : 2677716.4/32

All: 0.360 ± 0.000 χ^2/NDF : 5002005.4/65

- sign 0.361 ± 0.000 χ^2/NDF : 2323684.8/32

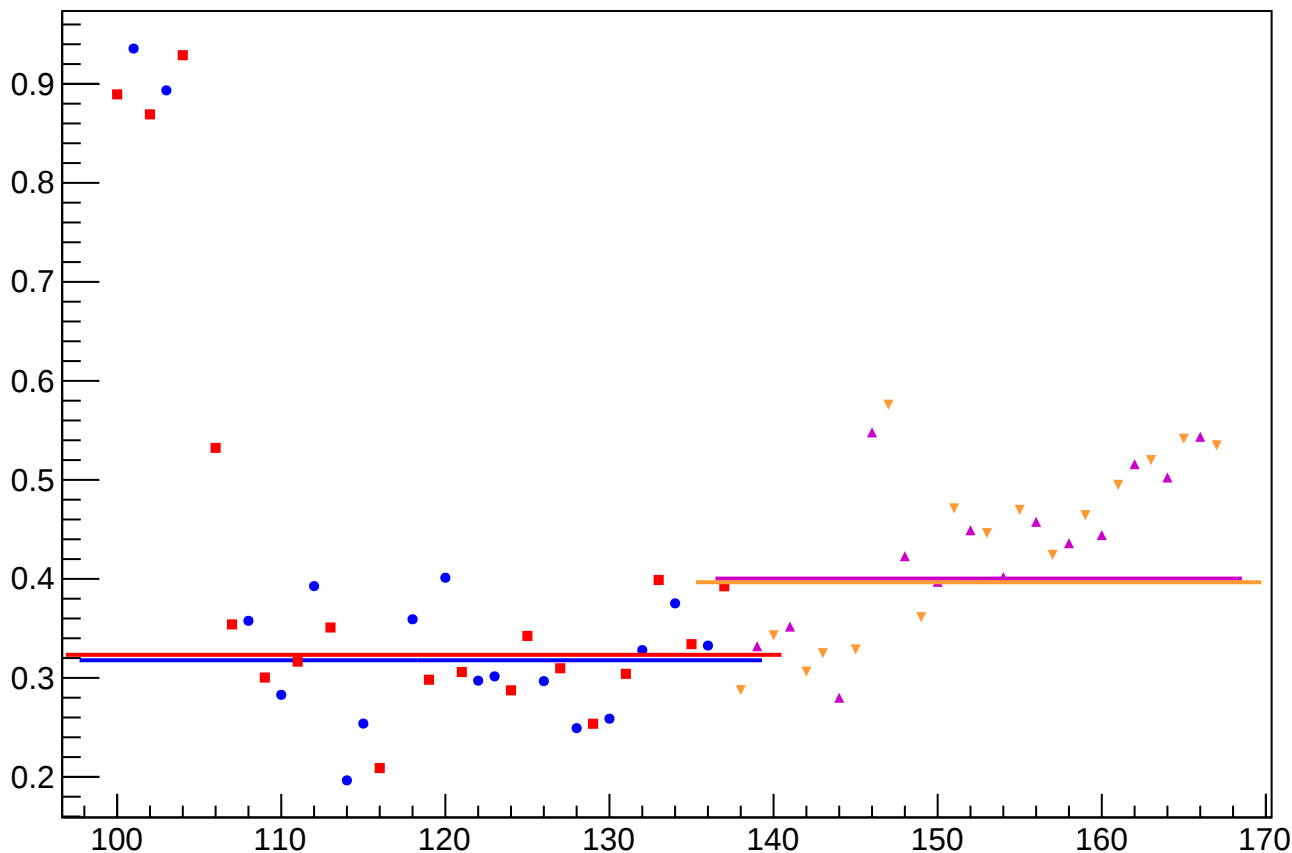
yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000 χ^2/NDF : 3587769790.2/16
 Left Out: 148.755 $\pm$ 0.000 χ^2/NDF : 40888029.6/15
 Right Out: 144.640 $\pm$ 0.000 χ^2/NDF : 4209610240.4/18
 Left In: 148.341 $\pm$ 0.000 χ^2/NDF : 313900720.1/13

+ sign 146.618 $\pm$ 0.000 χ^2/NDF : 4349191800.0/32
 All: 146.609 $\pm$ 0.000 χ^2/NDF : 9279029161.3
 - sign 146.601 $\pm$ 0.000 χ^2/NDF : 4929819621.2/32

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

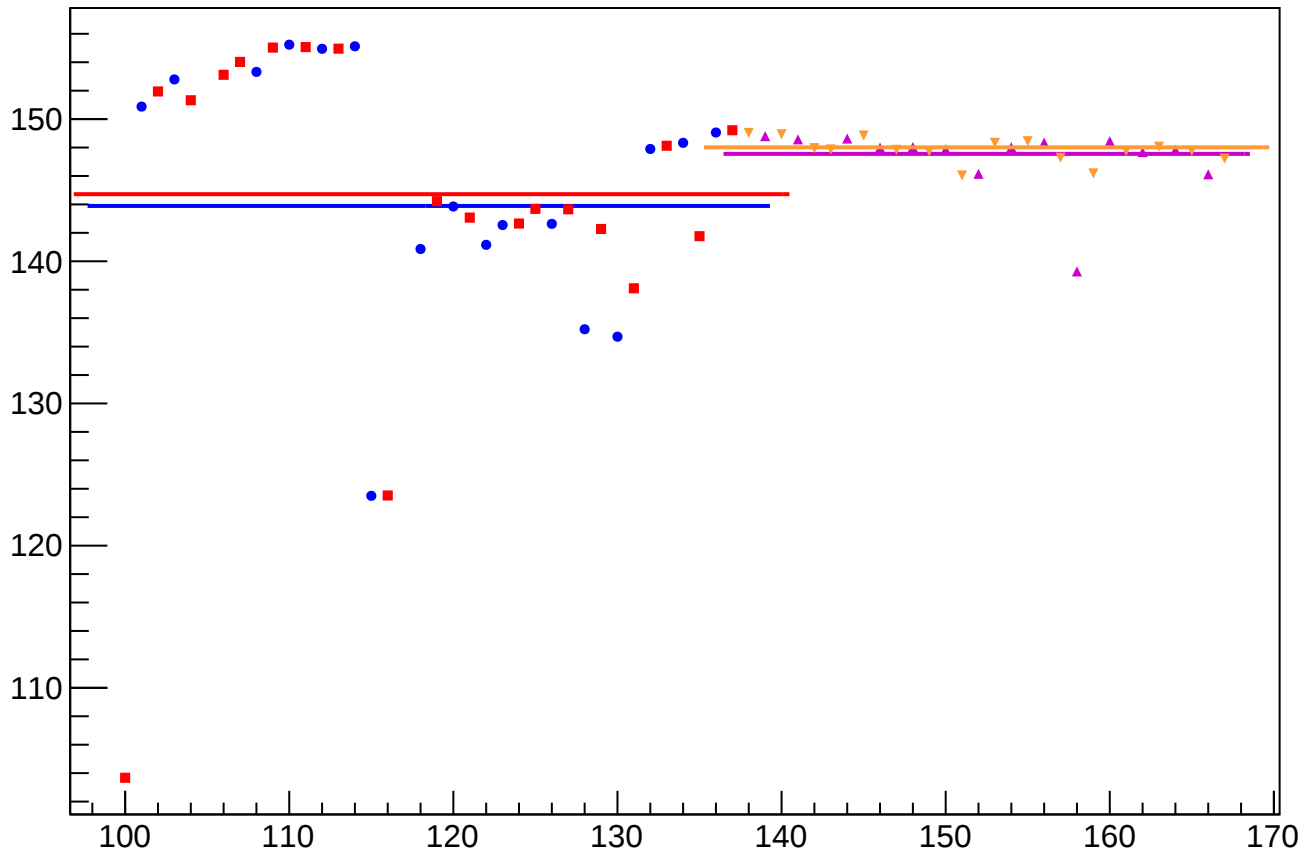
Left In: 0.400 ± 0.000 χ^2/NDF : 782910.3/13

+ sign 0.362 ± 0.000 χ^2/NDF : 2713366.8/32

All: 0.363 ± 0.000 χ^2/NDF : 5070945.4/65

- sign 0.364 ± 0.000 χ^2/NDF : 2356959.8/32

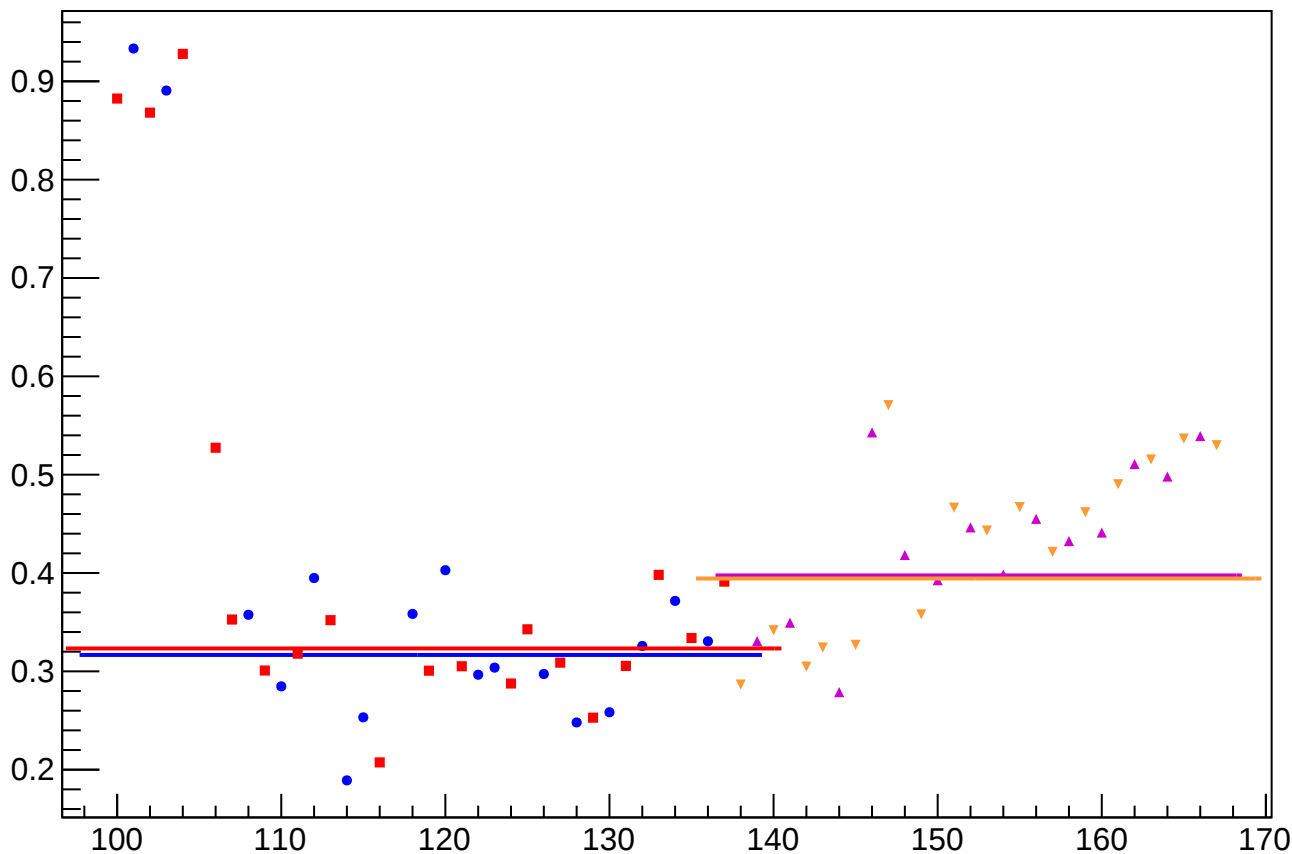
yield_bcm_an_us_mean vs Slug



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: 147.553 ± 0.000 χ^2/NDF : 324004254.2/13

+ sign 146.202 ± 0.000 χ^2/NDF : 4329402884.2/32
 All: 146.216 ± 0.000 χ^2/NDF : 9366721935.1
 - sign 146.230 ± 0.000 χ^2/NDF : 5037270358.2/32

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.394 $\pm$ 0.000 χ^2 /NDF:1045178.0/15

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222784.7/18

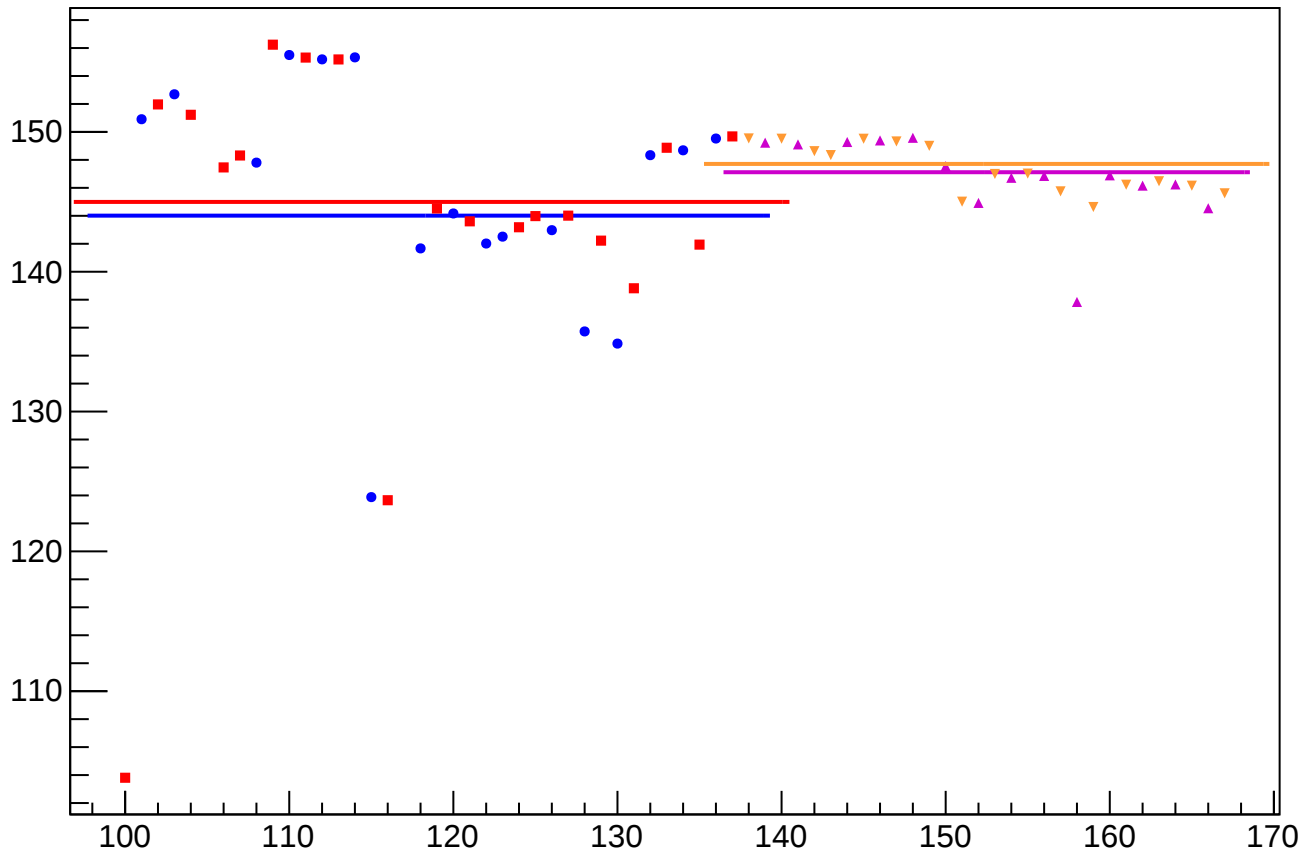
Left In: 0.398 $\pm$ 0.000 χ^2 /NDF:770831.4/13

+ sign 0.360 $\pm$ 0.000 χ^2 /NDF: 2699553.4/32

All: 0.362 $\pm$ 0.000 χ^2 /NDF: 5023633.2/65

- sign 0.363 $\pm$ 0.000 χ^2 /NDF: 2323216.9/32

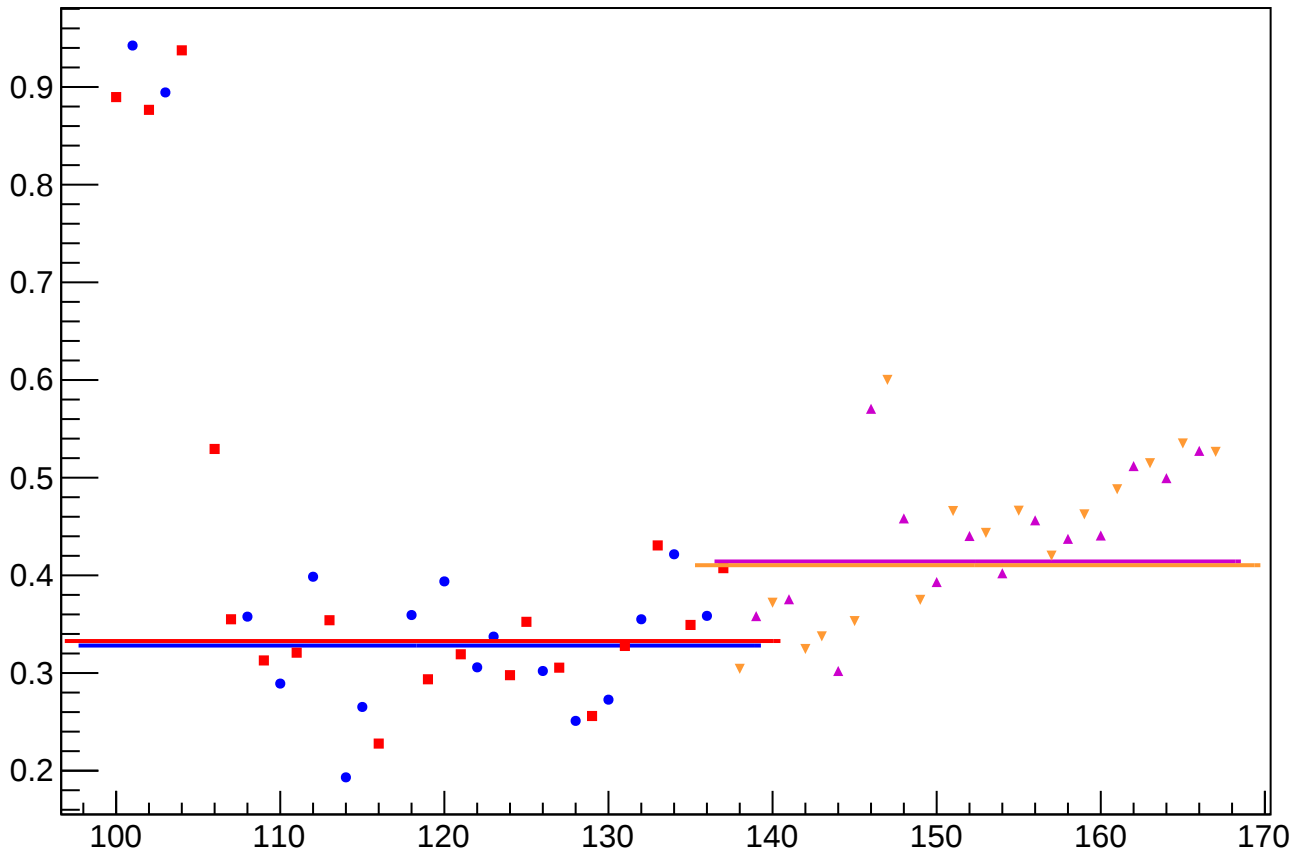
yield_bcm_dg_us_mean vs Slug



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: 147.118 ± 0.000 χ^2/NDF : 499825446.9/13

+ sign 146.086 ± 0.000 χ^2/NDF : 3825344576.4/32
 All: 146.102 ± 0.000 χ^2/NDF : 8303809502.0
 - sign 146.118 ± 0.000 χ^2/NDF : 4478405453.7/32

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

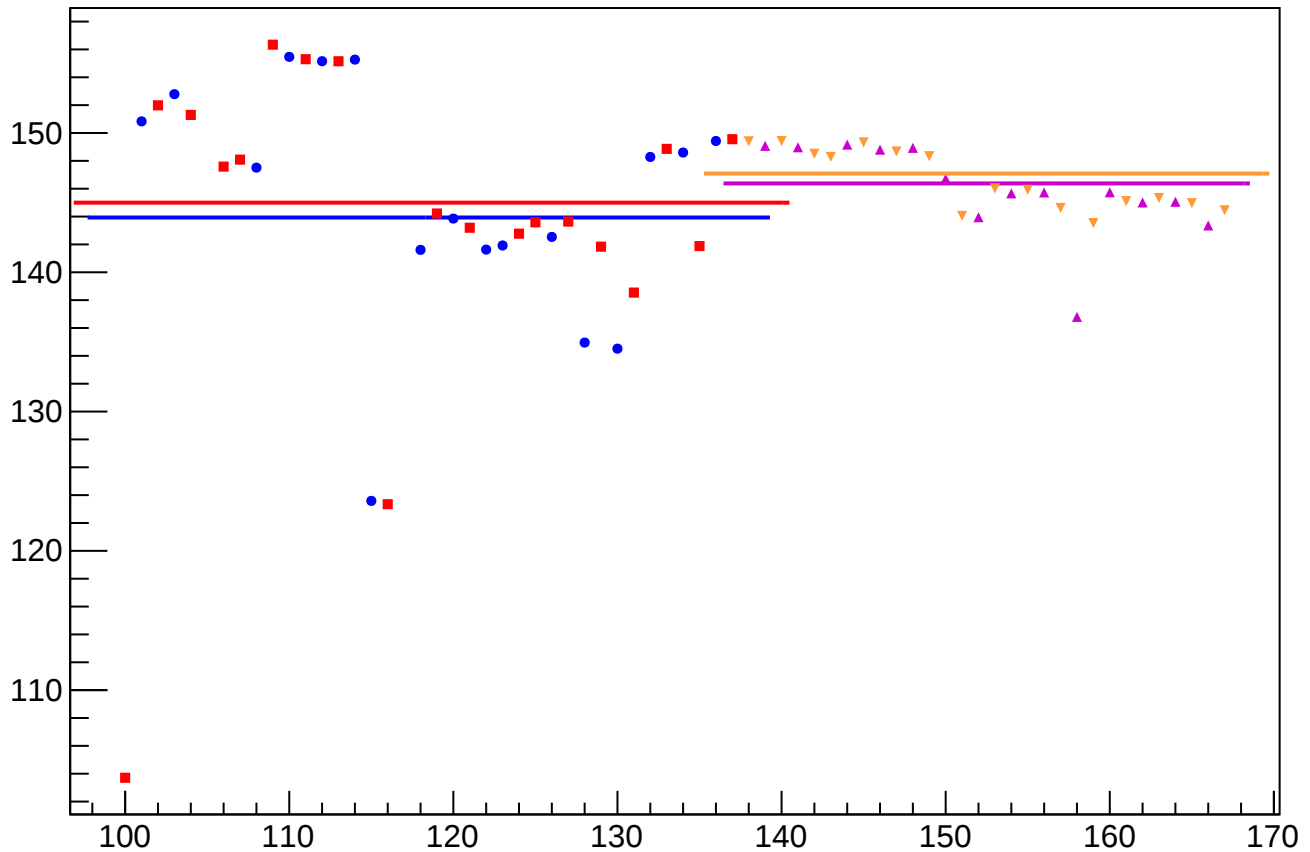
Left In: 0.414 ± 0.000 χ^2/NDF : 582350.9/13

+ sign 0.374 ± 0.000 χ^2/NDF : 2469017.5/32

All: 0.375 ± 0.000 χ^2/NDF : 4607710.8/65

- sign 0.376 ± 0.000 χ^2/NDF : 2138385.8/32

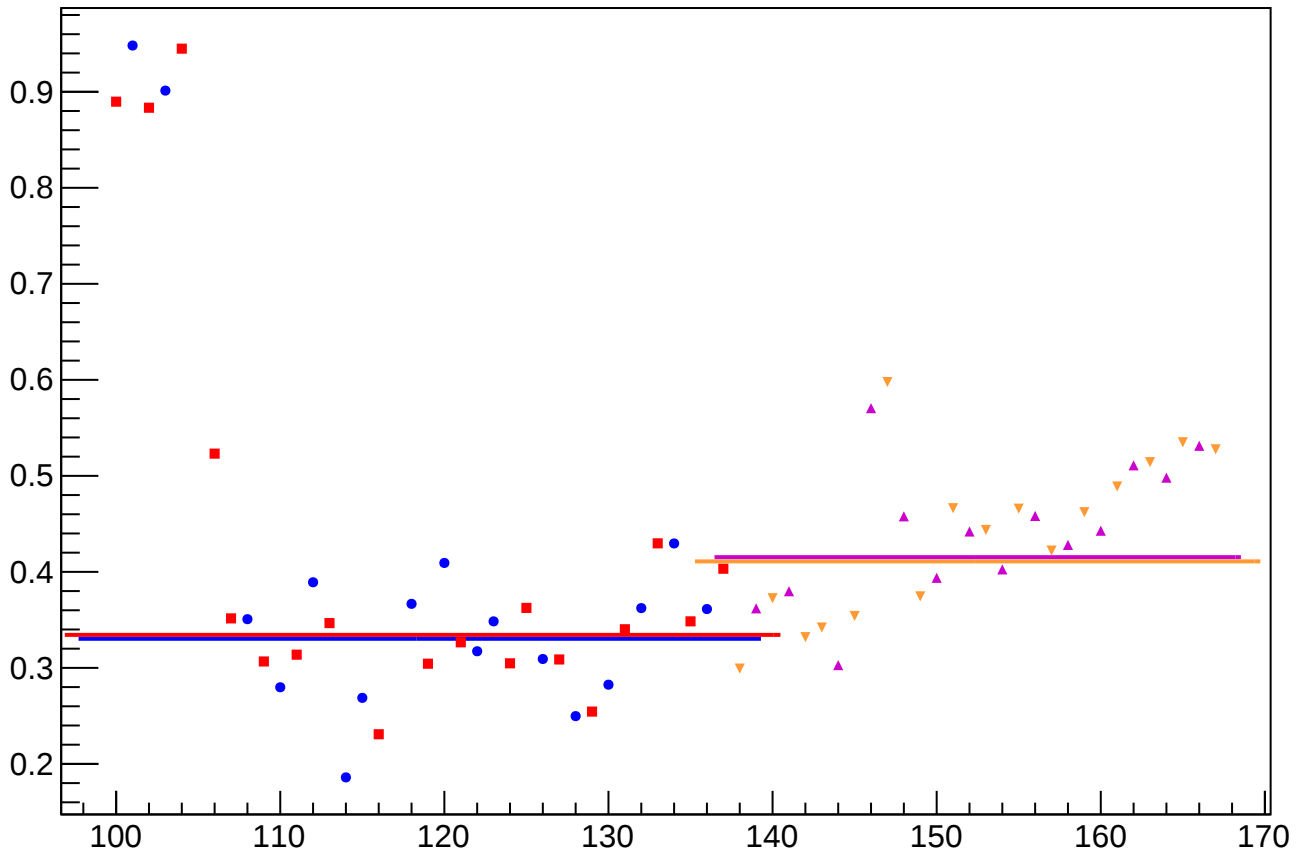
yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16
 Left Out: 147.088 $\pm$ 0.000 χ^2 /NDF: 291058205.9/15
 Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3932958476.0/18
 Left In: 146.379 $\pm$ 0.000 χ^2 /NDF: 614813801.7/13

+ sign 145.711 $\pm$ 0.000 χ^2 /NDF: 3957293018.5/32
 All: 145.721 $\pm$ 0.000 χ^2 /NDF: 8557936930.6
 - sign 145.731 $\pm$ 0.000 χ^2 /NDF: 4600622710.4/32

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.411 $\pm$ 0.000 χ^2 /NDF: 812270.1/15

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1174012.0/18

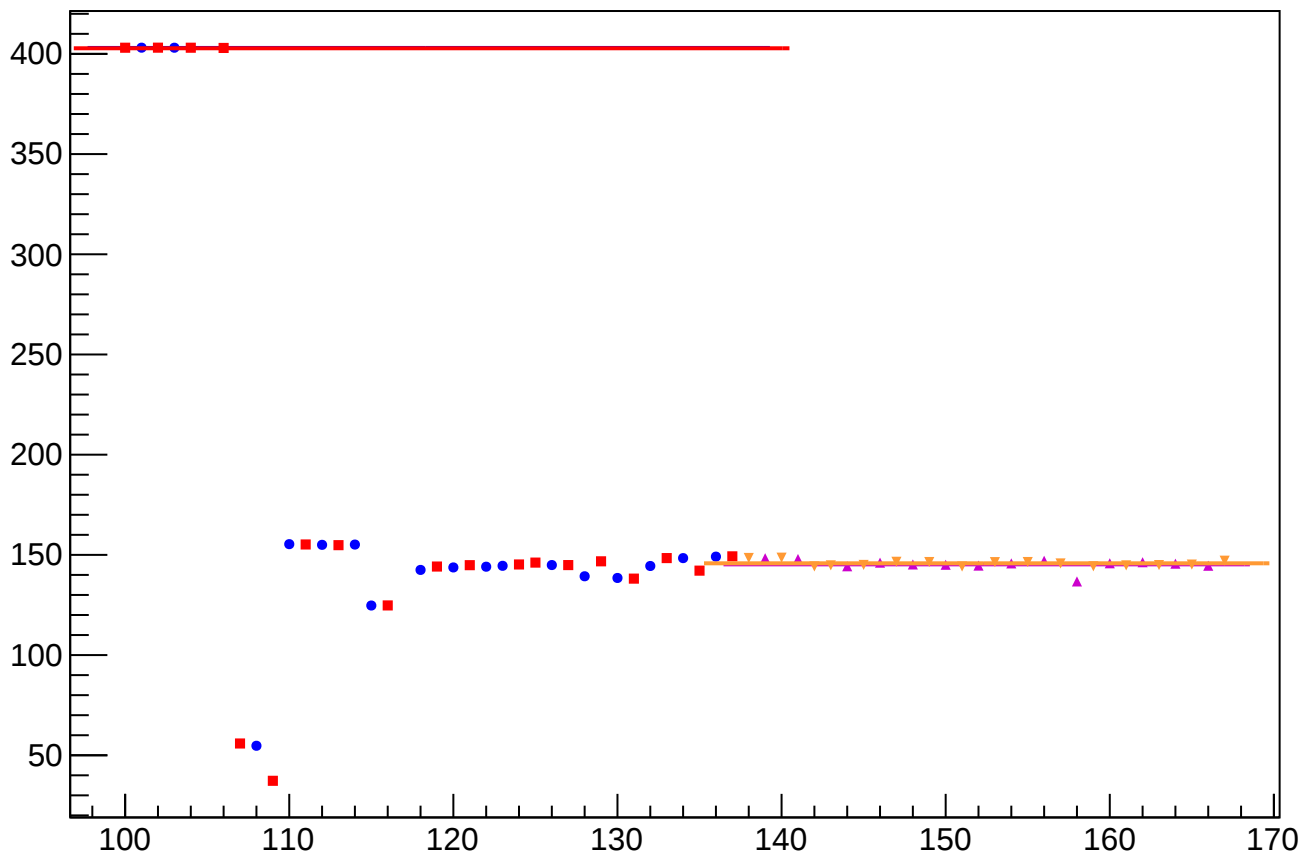
Left In: 0.415 $\pm$ 0.000 χ^2 /NDF: 567026.8/13

+ sign 0.376 $\pm$ 0.000 χ^2 /NDF: 2465959.3/32

All: 0.377 $\pm$ 0.000 χ^2 /NDF: 4570289.5/65

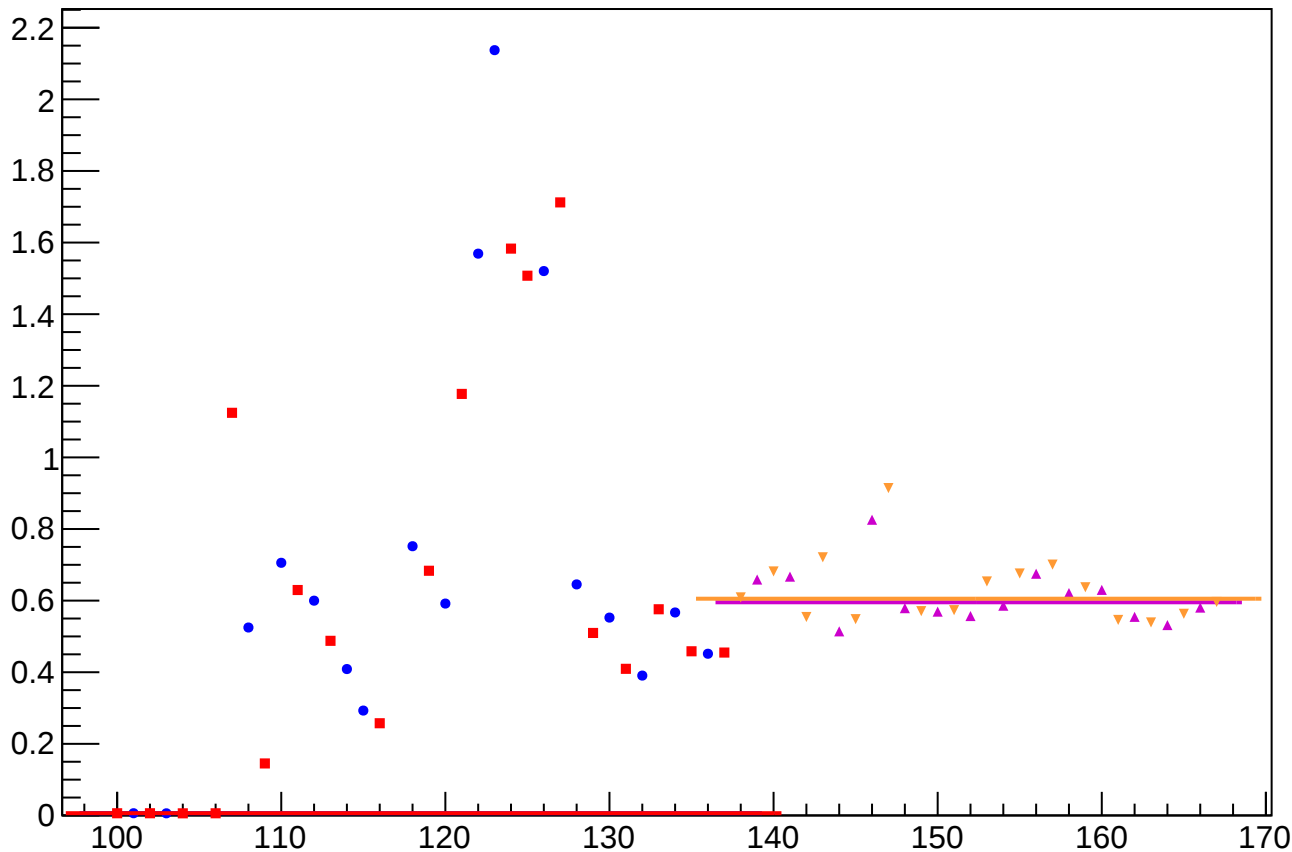
- sign 0.377 $\pm$ 0.000 χ^2 /NDF: 2104049.1/32

yield_cav4bQ_mean vs Slug



Right In: 402.958 $\pm$ 0.000 χ^2 /NDF: 1094364588383.4/16
 Left Out: 145.794 $\pm$ 0.000 χ^2 /NDF: 44614617.9/15
 Right Out: 402.799 $\pm$ 0.000 χ^2 /NDF: 3102036567767.5/18
 Left In: 145.271 $\pm$ 0.000 χ^2 /NDF: 130553742.5/13

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

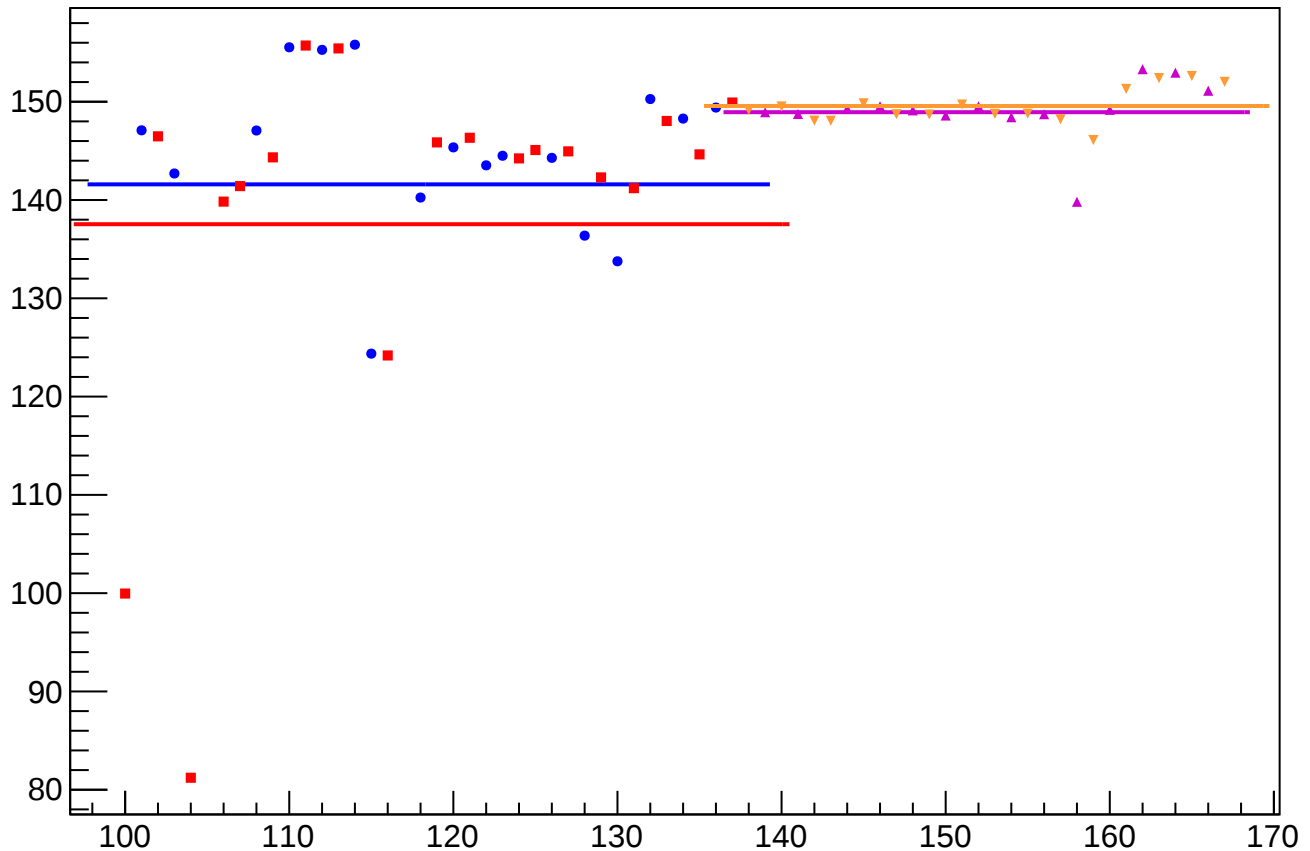
Left In: 0.595+/-0.000 χ^2/NDF :187722.1/13

+ sign 0.007+/-0.000 χ^2/NDF : 26079958.9/32

All: 0.007+/-0.000 χ^2/NDF : 50555195.2/65

- sign 0.007+/-0.000 χ^2/NDF : 24474933.3/32

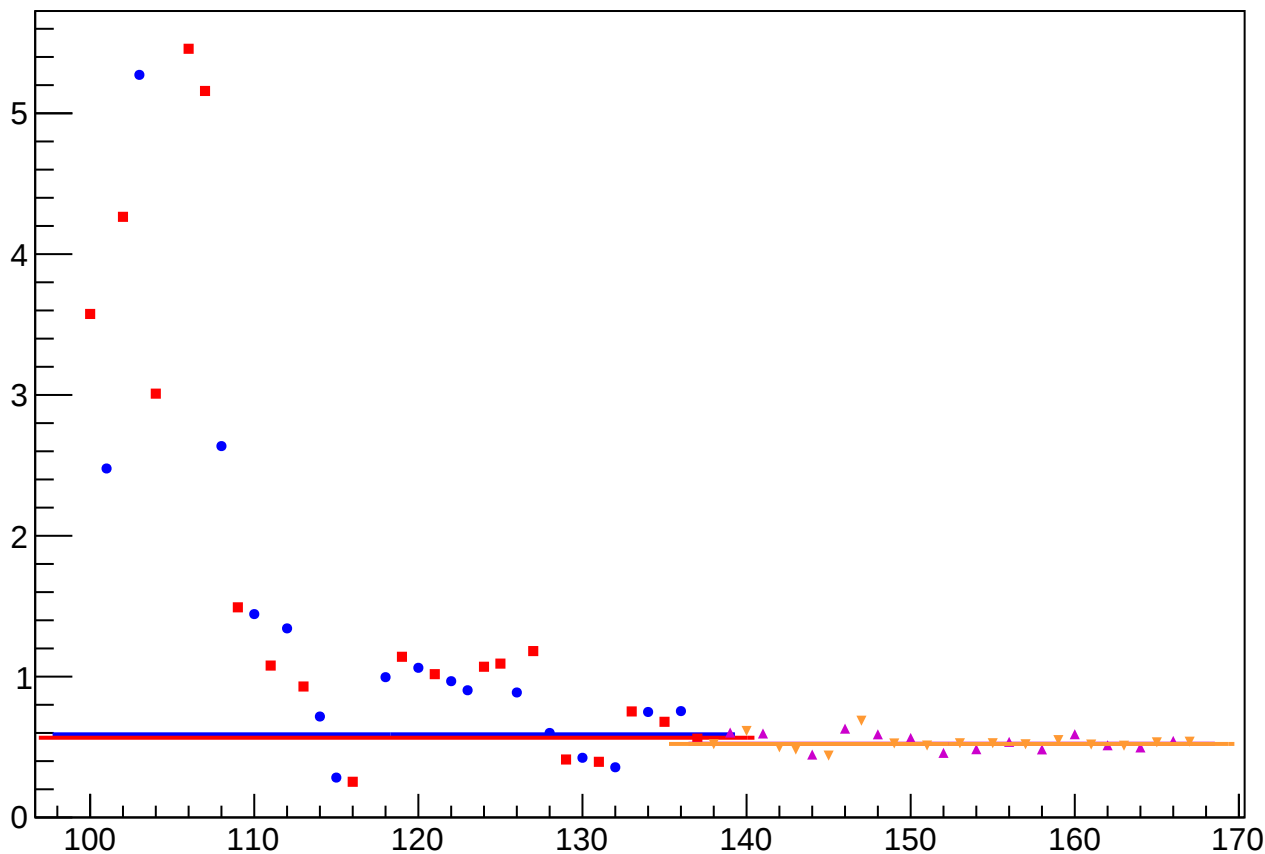
yield_cav4cQ_mean vs Slug



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: 148.935 ± 0.000 χ^2/NDF : 363051433.5/13

+ sign 147.913 ± 0.000 χ^2/NDF : 1608370950.1/32
 All: 147.125 ± 0.000 χ^2/NDF : 4408761315.2
 - sign 146.285 ± 0.000 χ^2/NDF : 2737946519.6/32

yield_cav4cQ_rms vs Slug



Right In: 0.590 ± 0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.522 ± 0.000 χ^2/NDF : 170997.0/15

Right Out: 0.566 ± 0.000 χ^2/NDF : 4683596.4/18

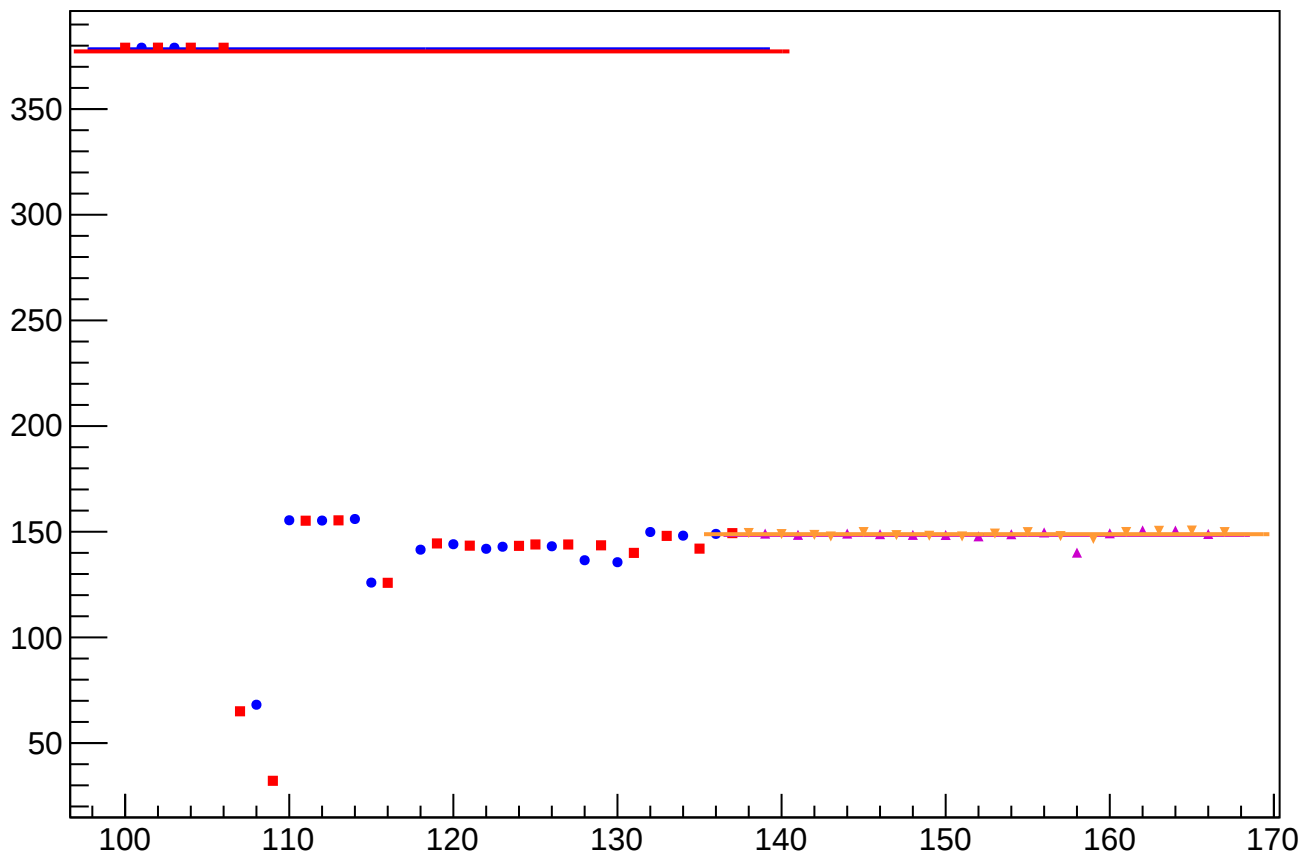
Left In: 0.524 ± 0.000 χ^2/NDF : 224195.6/13

+ sign 0.536 ± 0.000 χ^2/NDF : 3737455.7/32

All: 0.535 ± 0.000 χ^2/NDF : 8674940.2/65

- sign 0.533 ± 0.000 χ^2/NDF : 4937145.9/32

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

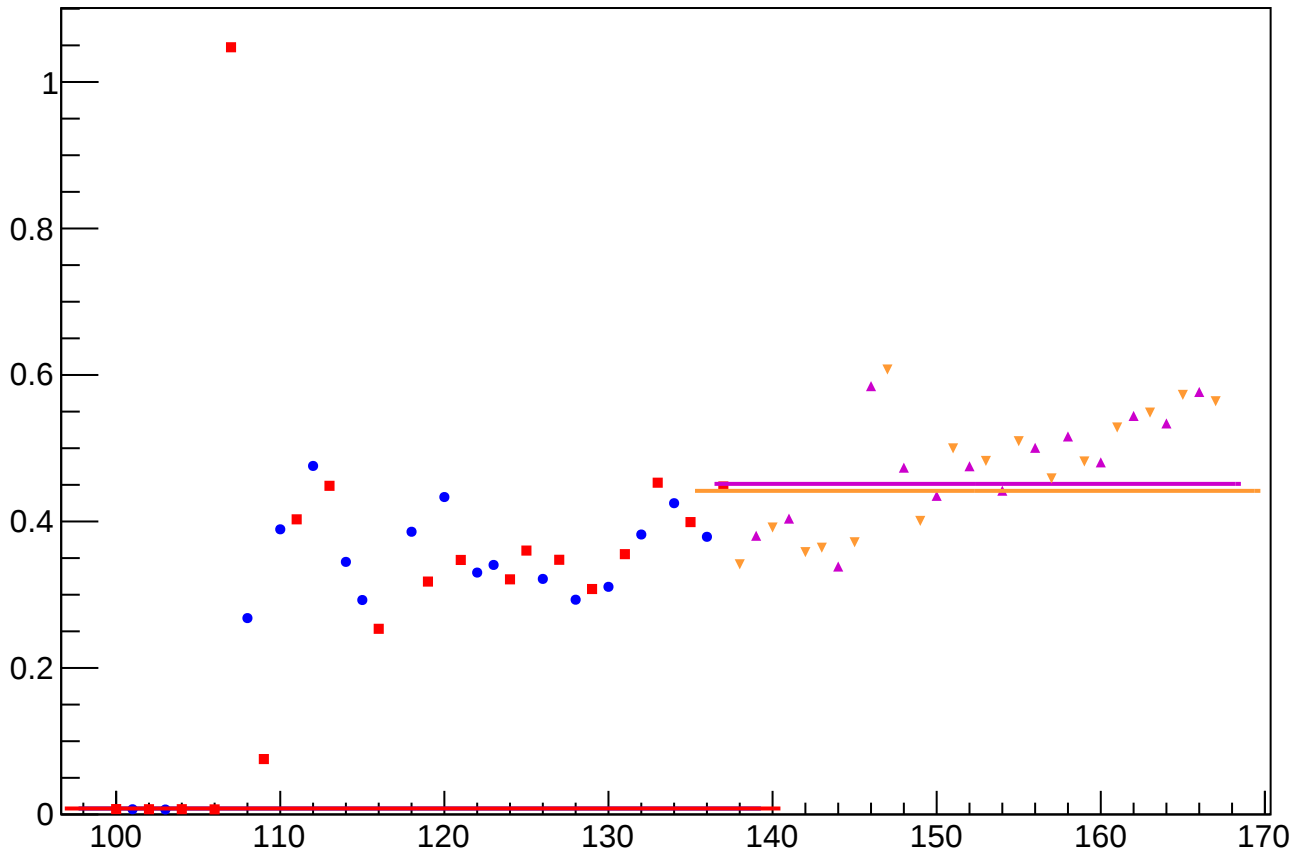
Left In: 148.517 $\pm$ 0.000 χ^2/NDF : 233247656.8/13

+ sign 377.302 $\pm$ 0.000 χ^2/NDF : 5505693102200.4

All: 376.890 $\pm$ 0.000 χ^2/NDF : 16433278163

- sign 376.528 $\pm$ 0.000 χ^2/NDF : 10923322521812.9

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

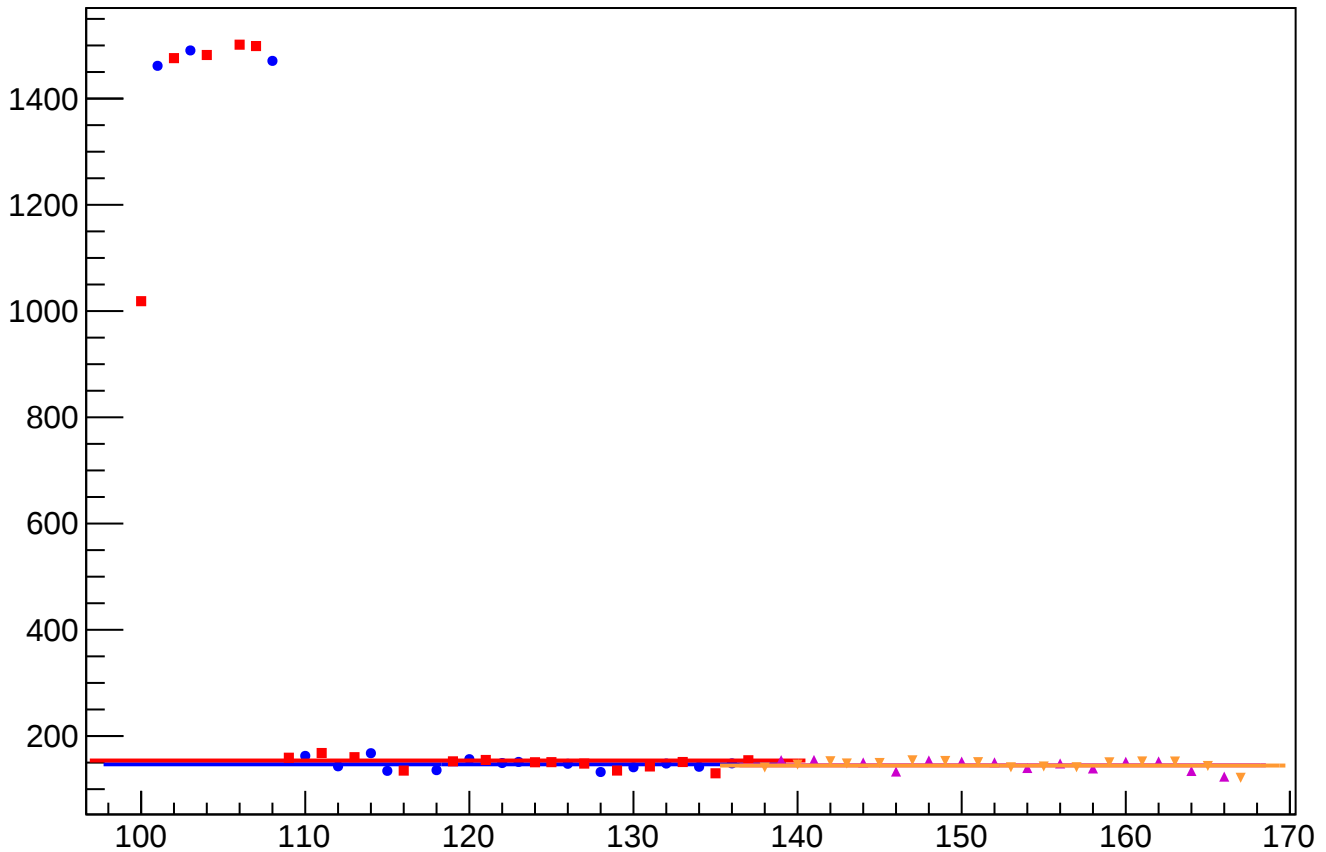
Left In: 0.451+/-0.000 χ^2/NDF : 518680.1/13

+ sign 0.010+/-0.000 χ^2/NDF : 31958561.6/32

All: 0.010+/-0.000 χ^2/NDF : 61793252.1/65

- sign 0.010+/-0.000 χ^2/NDF : 29832860.0/32

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

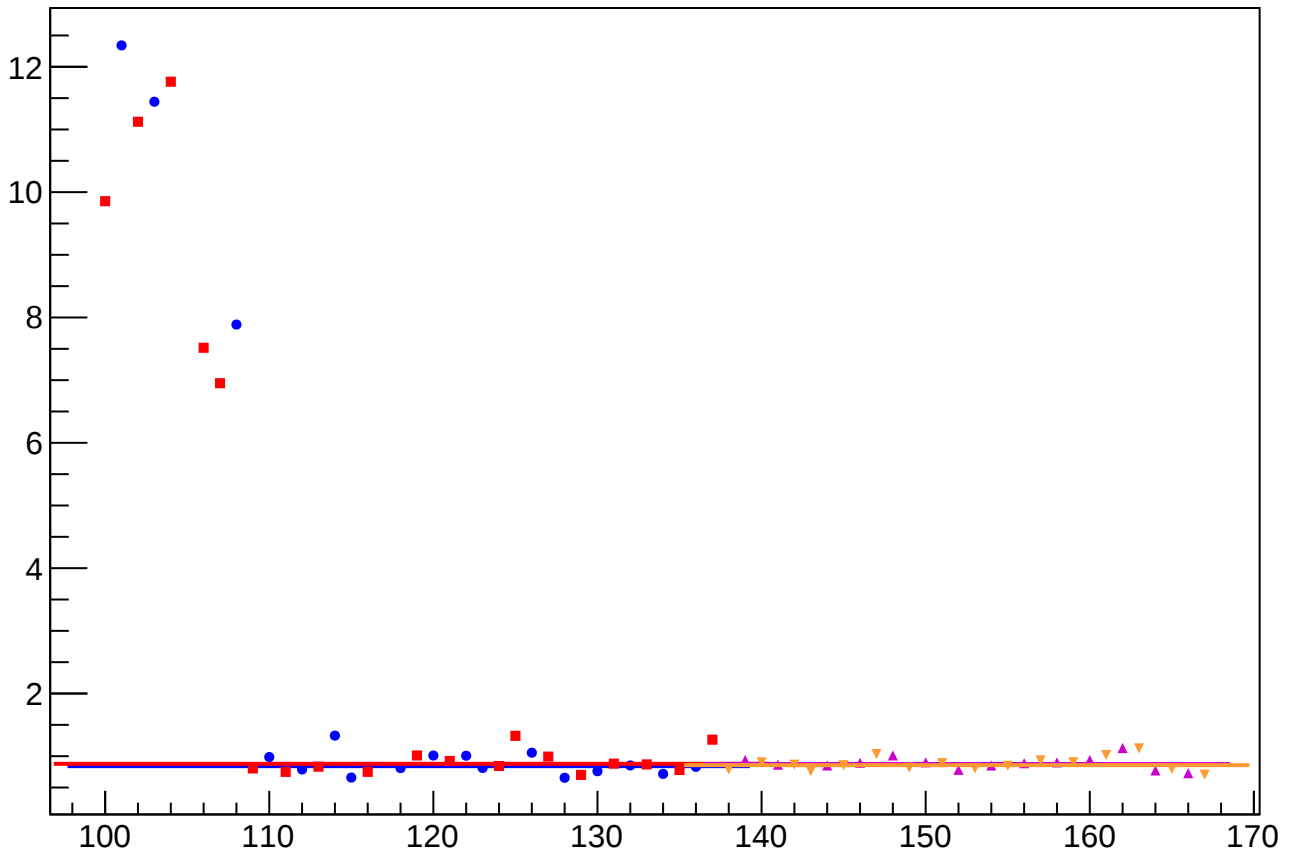
Left In: 144.914+/-0.000 χ^2/NDF : 1086904493.4/13

+ sign 145.151+/-0.000 χ^2/NDF : 25547412670.7/32

All: 146.394+/-0.000 χ^2/NDF : 60723239605.0

- sign 147.751+/-0.000 χ^2/NDF : 35116754996.3/32

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

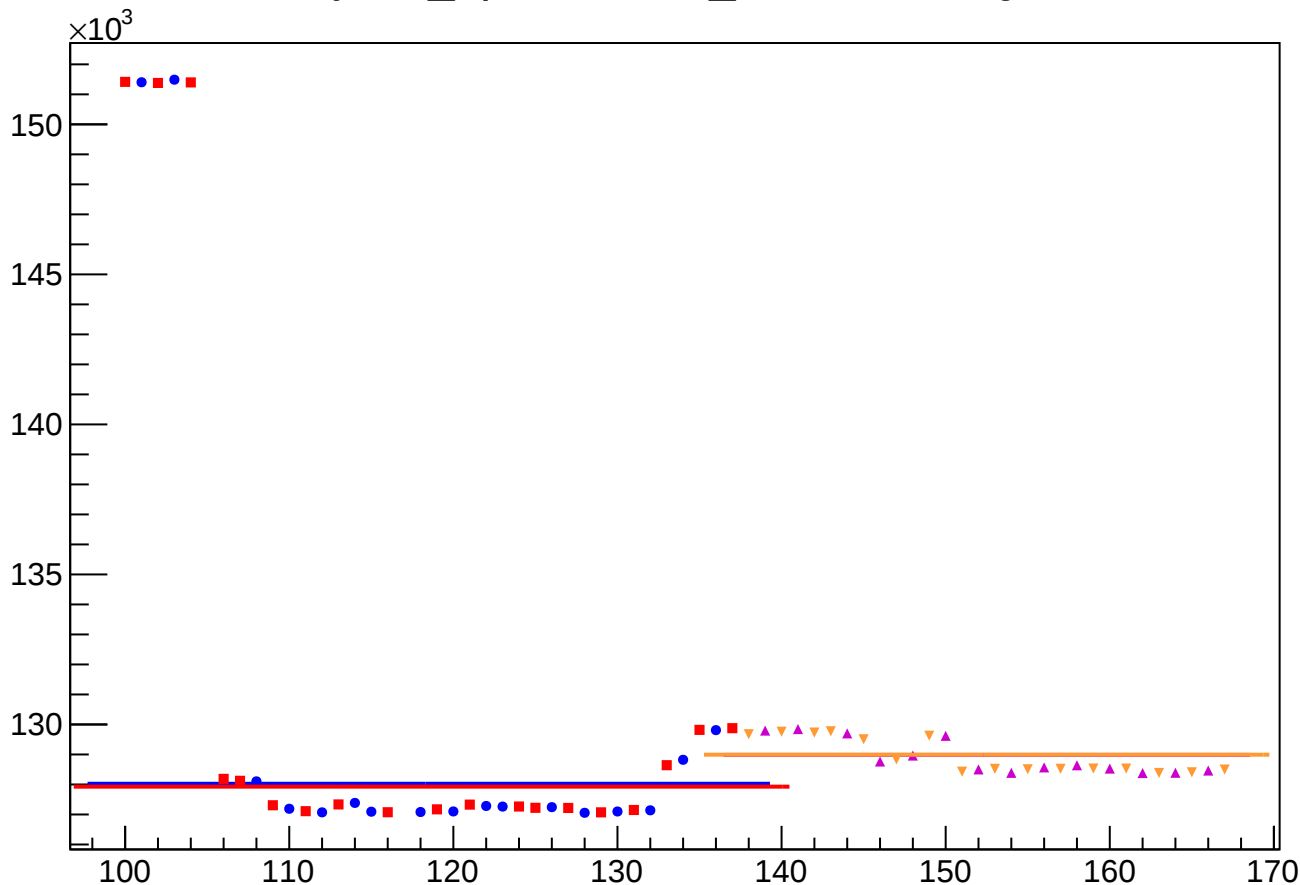
Left In: 0.876 ± 0.000 χ^2/NDF : 187485.8/13

+ sign 0.852 ± 0.000 χ^2/NDF : 2937618.3/32

All: 0.864 ± 0.000 χ^2/NDF : 5949889.6/65

- sign 0.876 ± 0.000 χ^2/NDF : 3002168.2/32

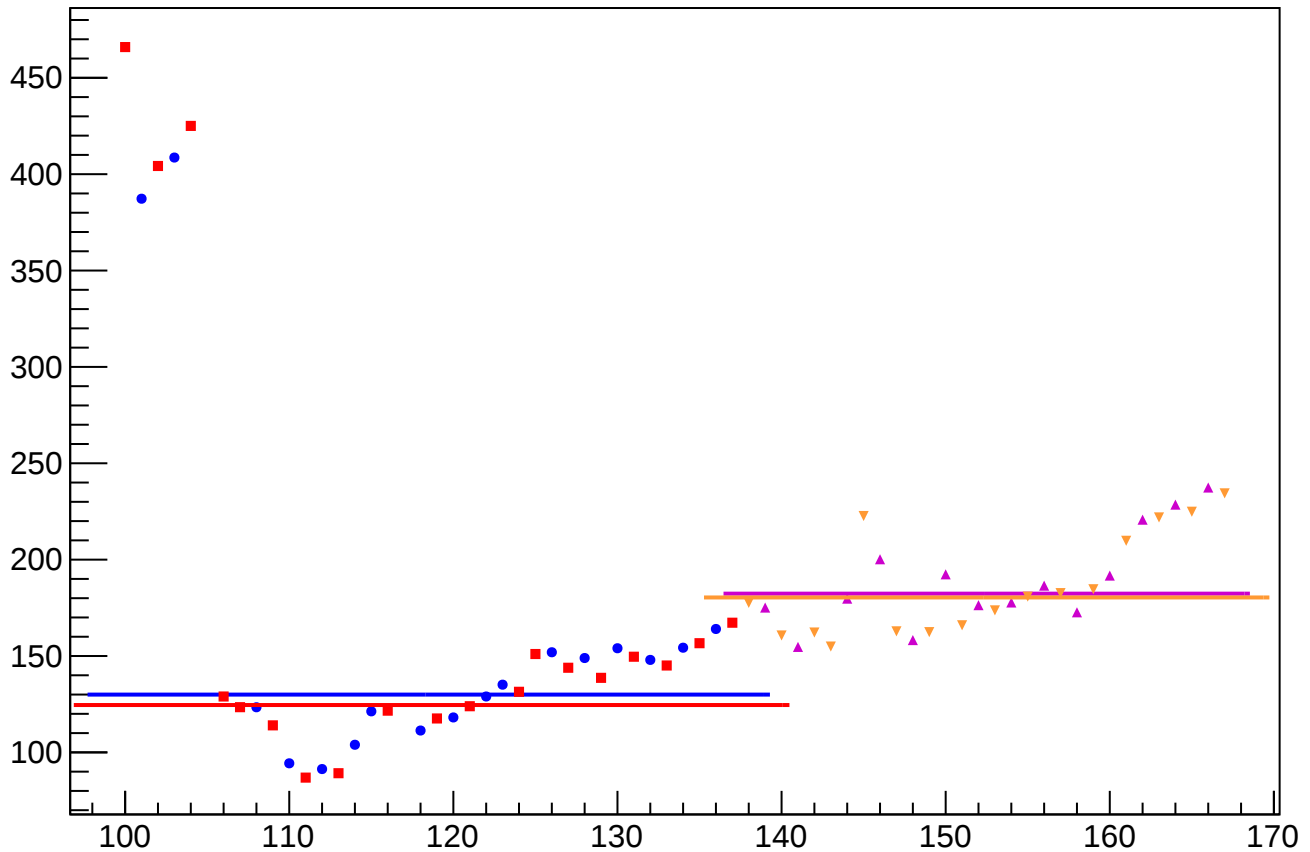
yield_bpm2i01WS_mean vs Slug



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: 128985.222 ± 0.056 $\chi^2/\text{NDF}: 104444164.4/13$

+ sign 128522.181 ± 0.038 $\chi^2/\text{NDF}: 4597345826.7$
 All: 128460.663 ± 0.027 $\chi^2/\text{NDF}: 867137143$
 - sign 128400.939 ± 0.037 $\chi^2/\text{NDF}: 4068859501.0$

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 ± 0.039 χ^2/NDF : 1485519.5/16

Left Out: 180.377 ± 0.037 χ^2/NDF : 392696.9/15

Right Out: 124.566 ± 0.036 χ^2/NDF : 1531273.9/18

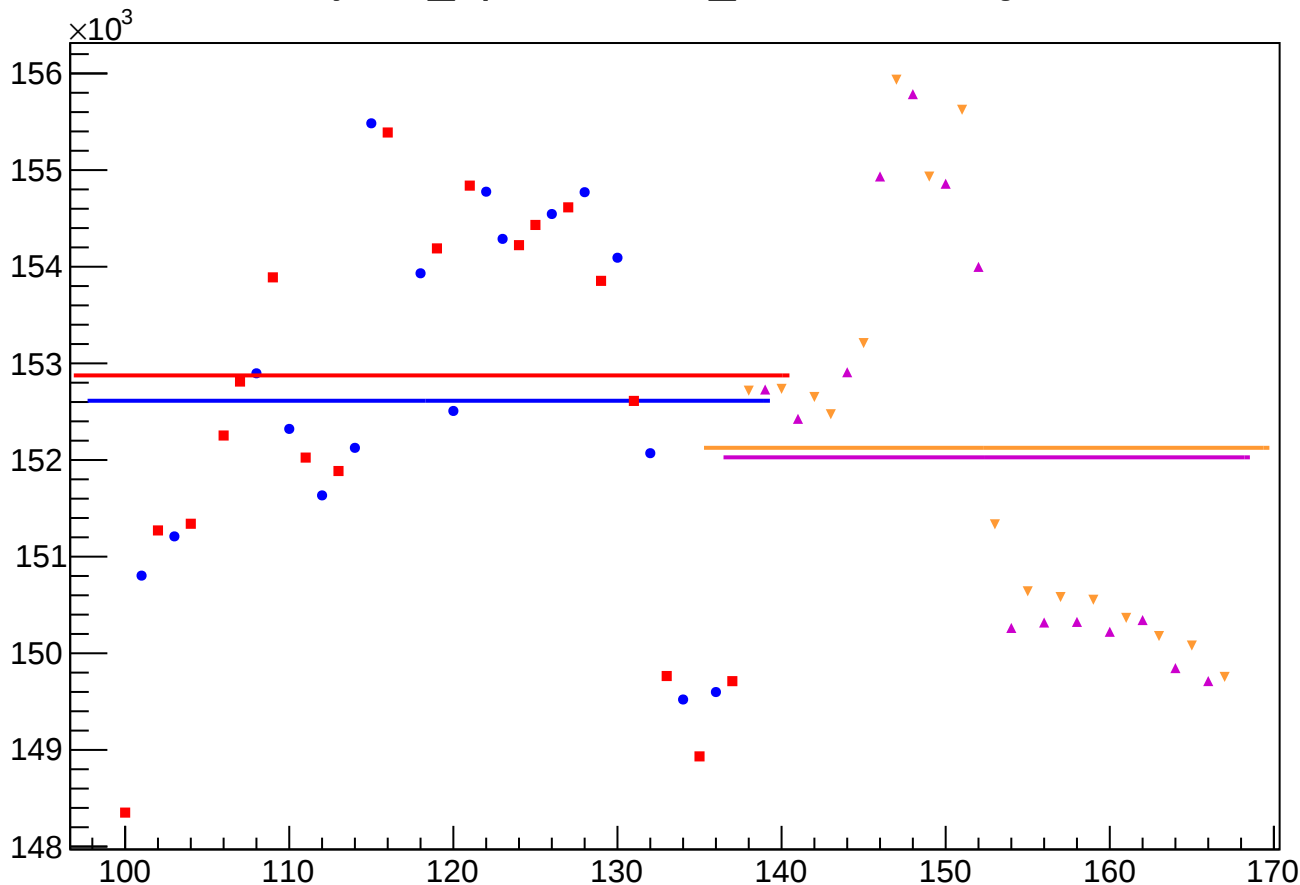
Left In: 182.354 ± 0.040 χ^2/NDF : 275804.4/13

+ sign 155.915 ± 0.027 χ^2/NDF : 2757093.5/32

All: 153.134 ± 0.019 χ^2/NDF : 5763487.8/65

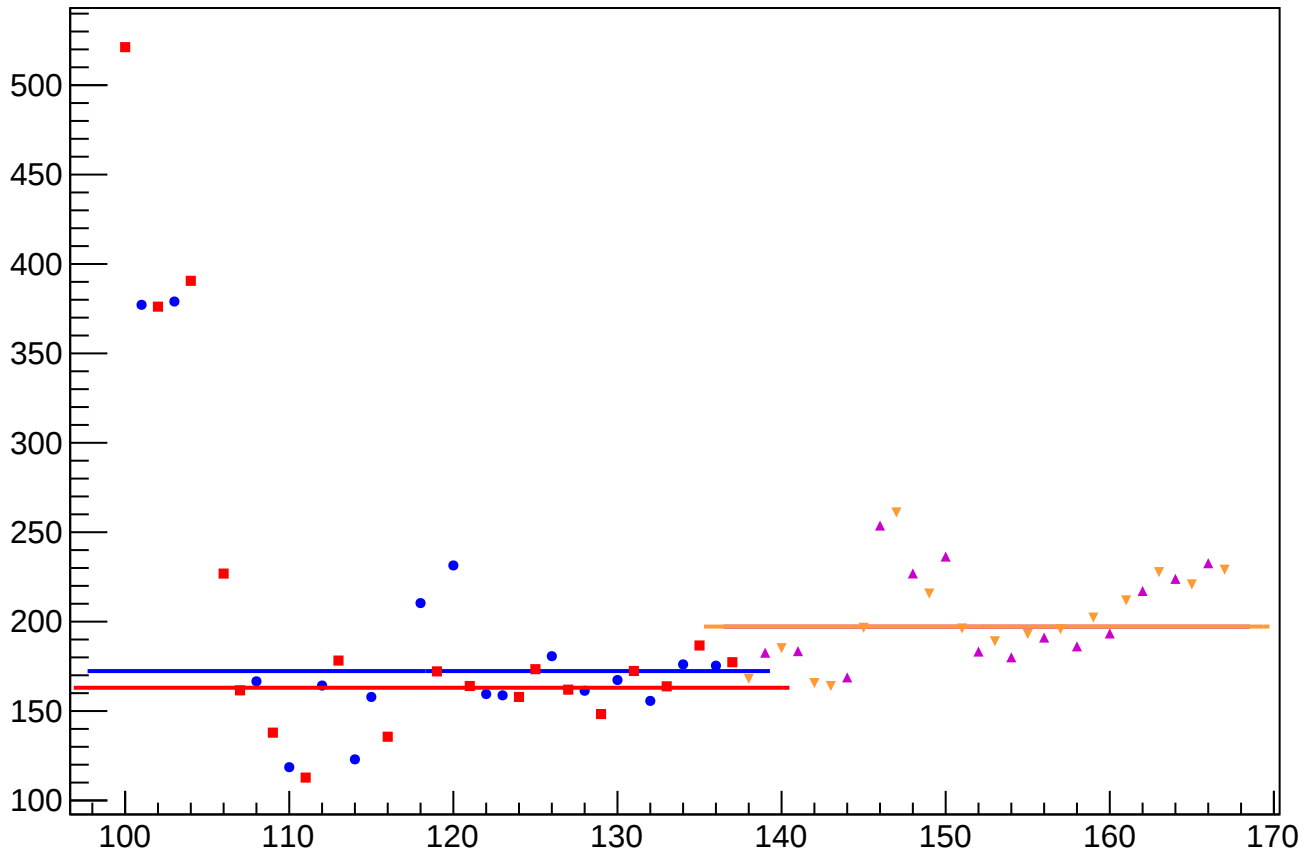
- sign 150.433 ± 0.026 χ^2/NDF : 2985272.0/32

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16
 Left Out: 152126.279 $\pm$ 0.058 χ^2 /NDF: 1001022007.5/15
 Right Out: 152875.313 $\pm$ 0.066 χ^2 /NDF: 716358700.9/18
 Left In: 152027.595 $\pm$ 0.061 χ^2 /NDF: 1003198797.8/13

yield_bpm0i07WS_rms vs Slug



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 197.248+/-0.041 χ^2/NDF : 321708.6/15

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

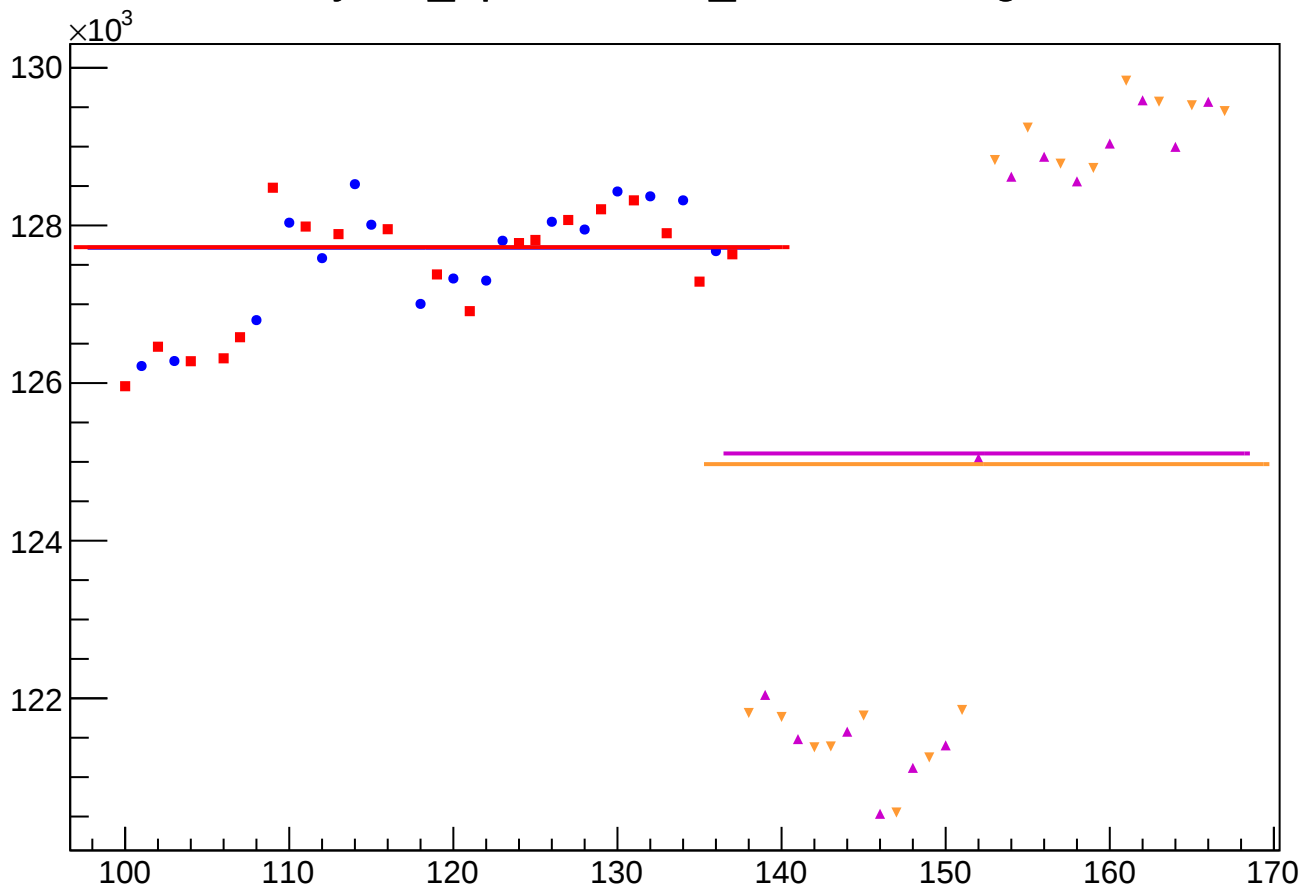
Left In: 197.189+/-0.043 χ^2/NDF : 305227.5/13

+ sign 187.492+/-0.032 χ^2/NDF : 1387981.6/32

All: 184.507+/-0.022 χ^2/NDF : 3032500.9/65

- sign 181.587+/-0.032 χ^2/NDF : 1627290.4/32

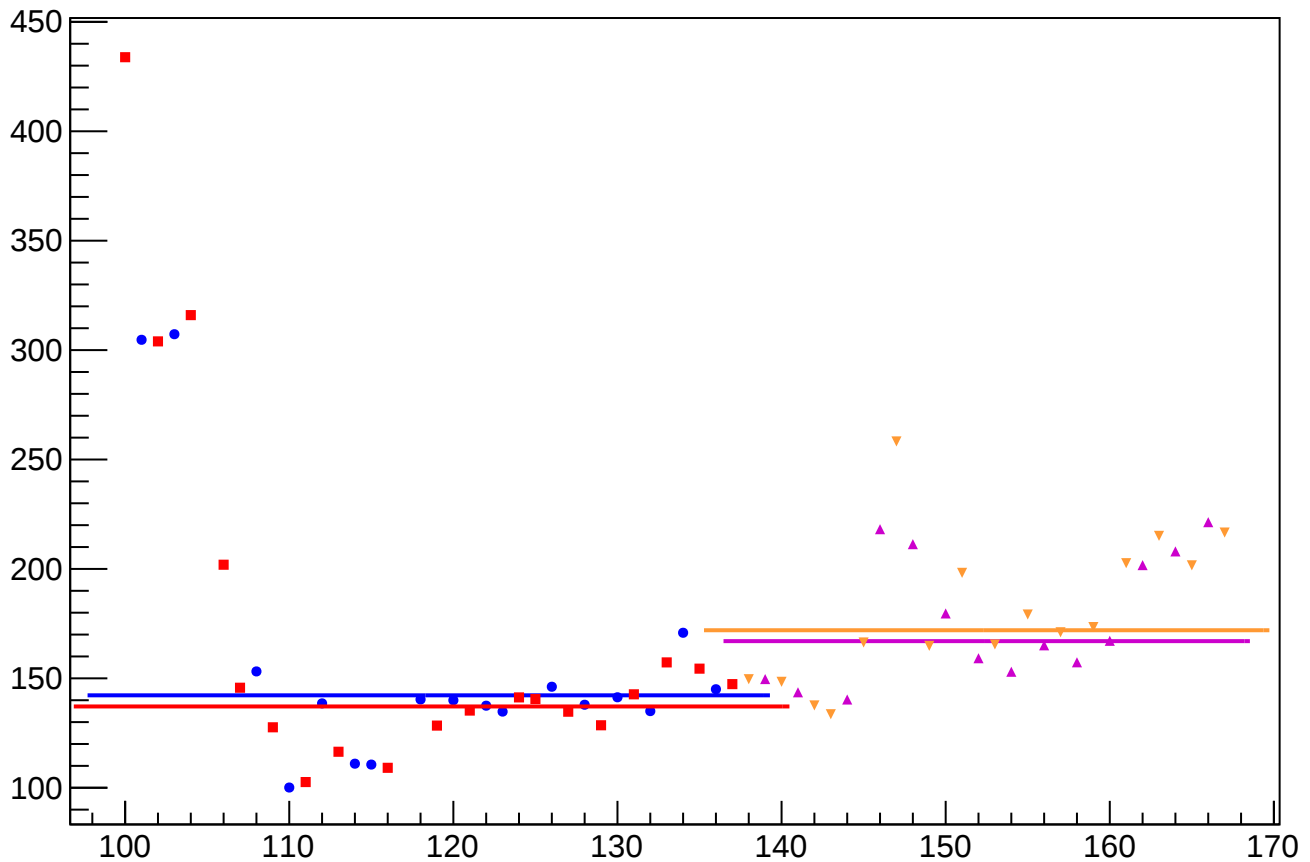
yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16
 Left Out: 124971.515 $\pm$ 0.051 χ^2 /NDF: 5540257460.5/15
 Right Out: 127724.519 $\pm$ 0.055 χ^2 /NDF: 112550604.4/18
 Left In: 125106.934 $\pm$ 0.052 χ^2 /NDF: 4777788818.2/13

+ sign 126167.500 $\pm$ 0.038 χ^2 /NDF: 6888844958.3
 All: 126260.500 $\pm$ 0.027 χ^2 /NDF: 130016678
 - sign 126349.187 $\pm$ 0.038 χ^2 /NDF: 6101401102.0

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 171.978 $\pm$ 0.036 χ^2 /NDF: 626241.1/15

Right Out: 137.151 $\pm$ 0.039 χ^2 /NDF: 957730.8/18

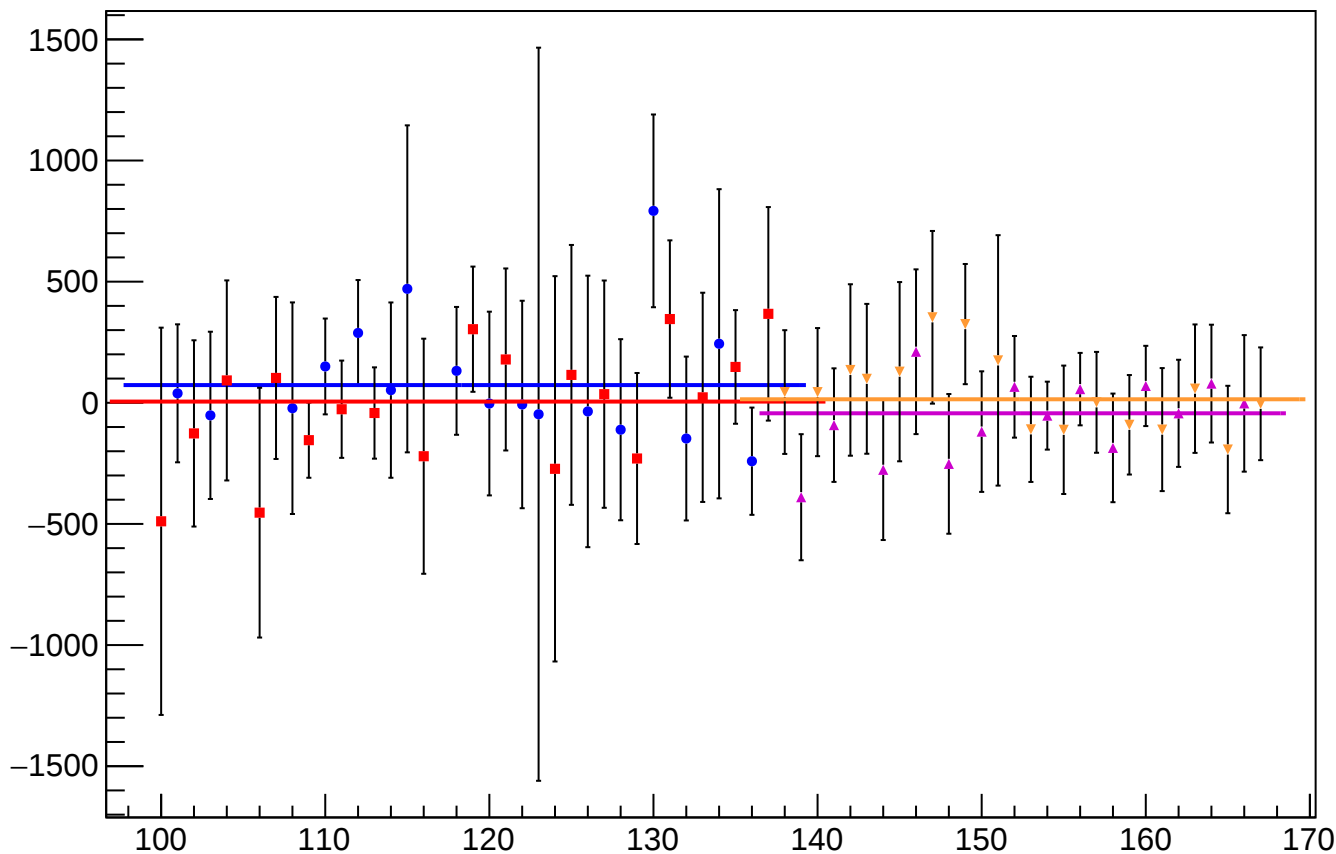
Left In: 167.002 $\pm$ 0.037 χ^2 /NDF: 465334.3/13

+ sign 159.028 $\pm$ 0.027 χ^2 /NDF: 1756576.3/32

All: 155.858 $\pm$ 0.019 χ^2 /NDF: 3521178.0/65

- sign 152.835 $\pm$ 0.027 χ^2 /NDF: 1738064.6/32

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

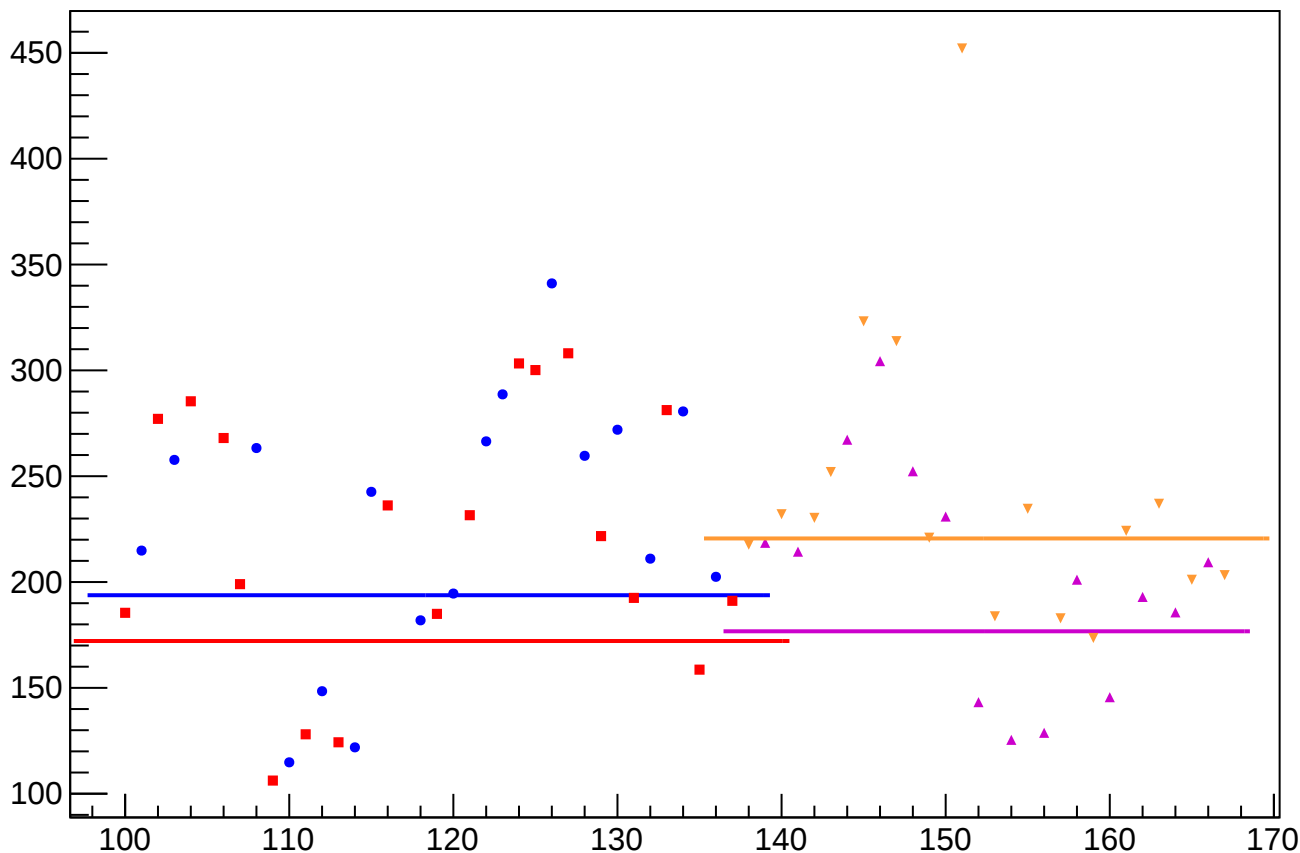
Left In: -43.347+/-57.136 χ^2/NDF : 5.5/13

+ sign 38.460+/-50.900 χ^2/NDF : 12.8/32

All: 2.889+/-33.411 χ^2/NDF : 26.5/65

- sign -24.040+/-44.288 χ^2/NDF : 12.9/32

asym_bcm_an_ds_rms vs Slug



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 220.592+/-0.047 χ^2/NDF : 981651.5/15

Right Out: 172.142+/-0.050 χ^2/NDF : 1580035.1/18

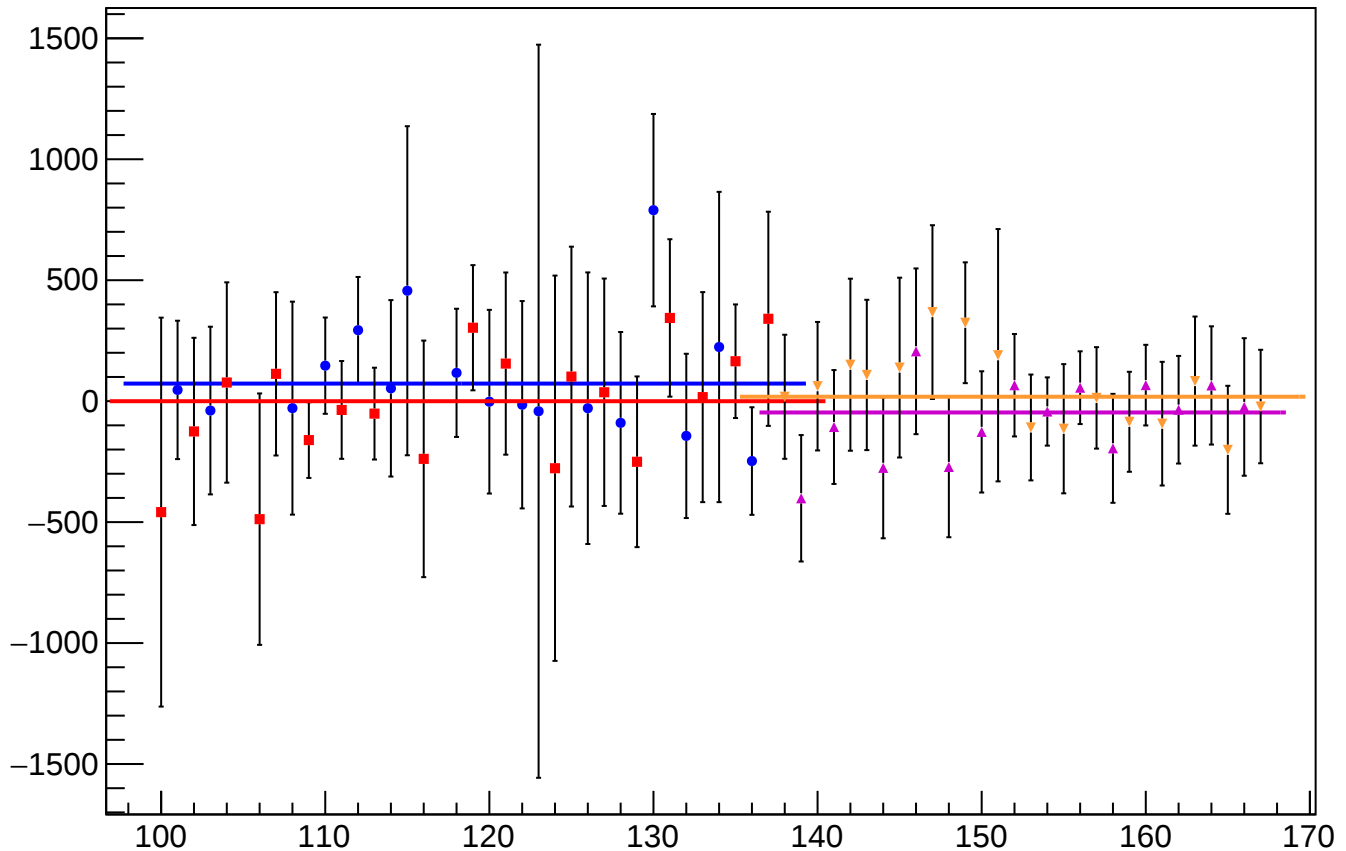
Left In: 176.729+/-0.040 χ^2/NDF : 1471163.1/13

+ sign 209.627+/-0.036 χ^2/NDF : 2132934.3/32

All: 189.862+/-0.024 χ^2/NDF : 5719165.6/65

- sign 174.898+/-0.031 χ^2/NDF : 3056343.9/32

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

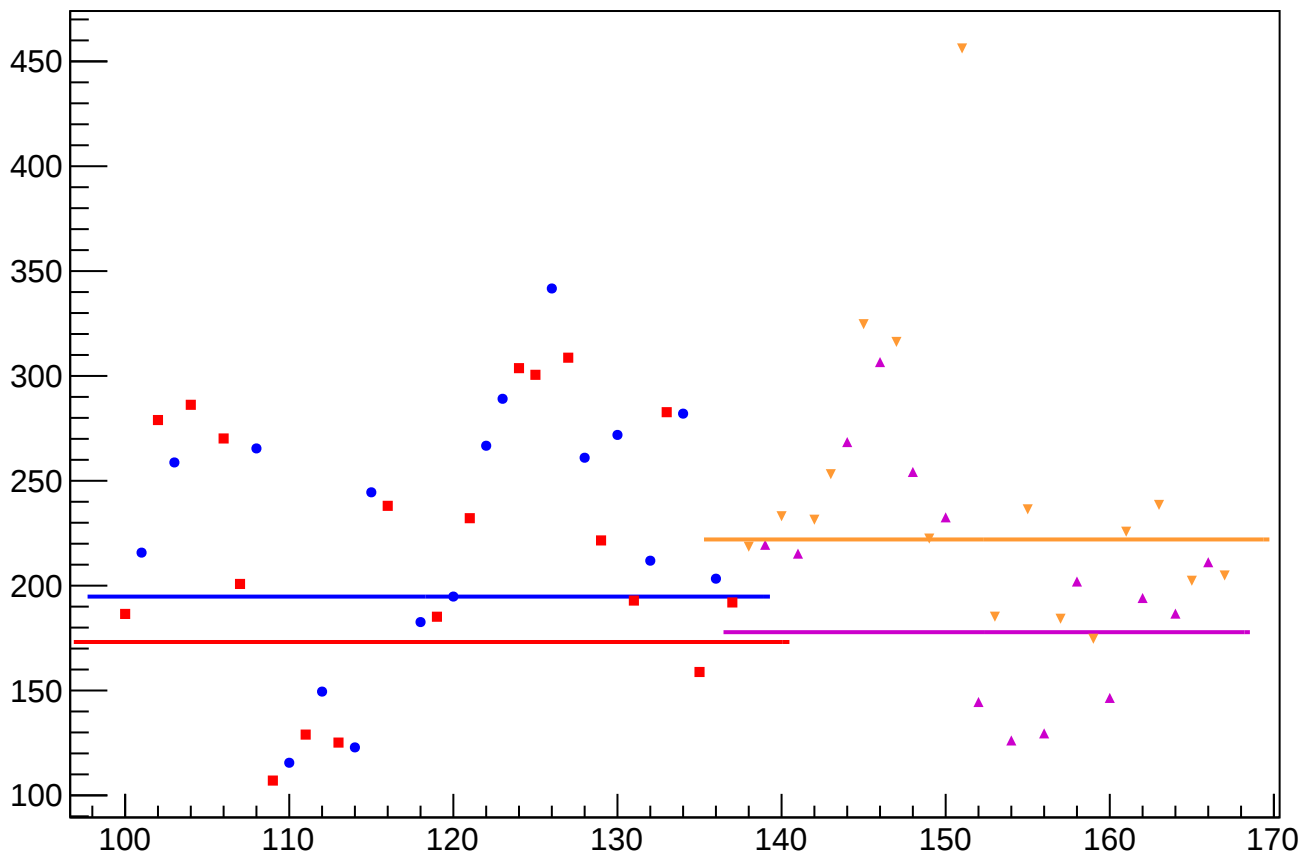
Left In: -46.751+/-57.487 χ^2/NDF : 5.6/13

+ sign 40.597+/-51.198 χ^2/NDF : 12.7/32

All: 1.473+/-33.605 χ^2/NDF : 26.9/65

- sign -28.142+/-44.544 χ^2/NDF : 13.2/32

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

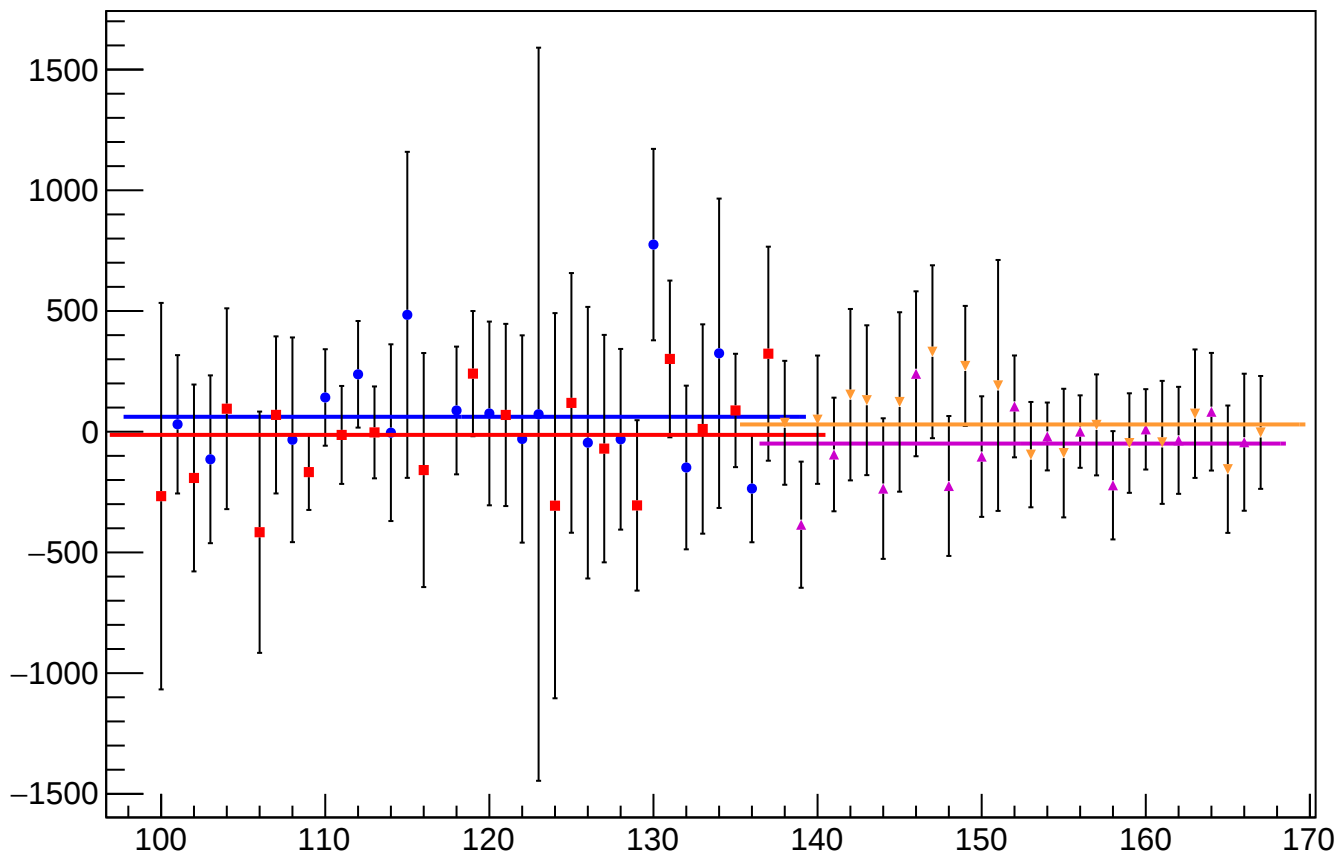
Left In: 177.812 $\pm$ 0.041 χ^2 /NDF:1469801.0/13

+ sign 210.867 $\pm$ 0.036 χ^2 /NDF: 2126079.6/32

All: 190.989 $\pm$ 0.024 χ^2 /NDF: 5698439.6/65

- sign 175.942 $\pm$ 0.031 χ^2 /NDF: 3042655.4/32

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

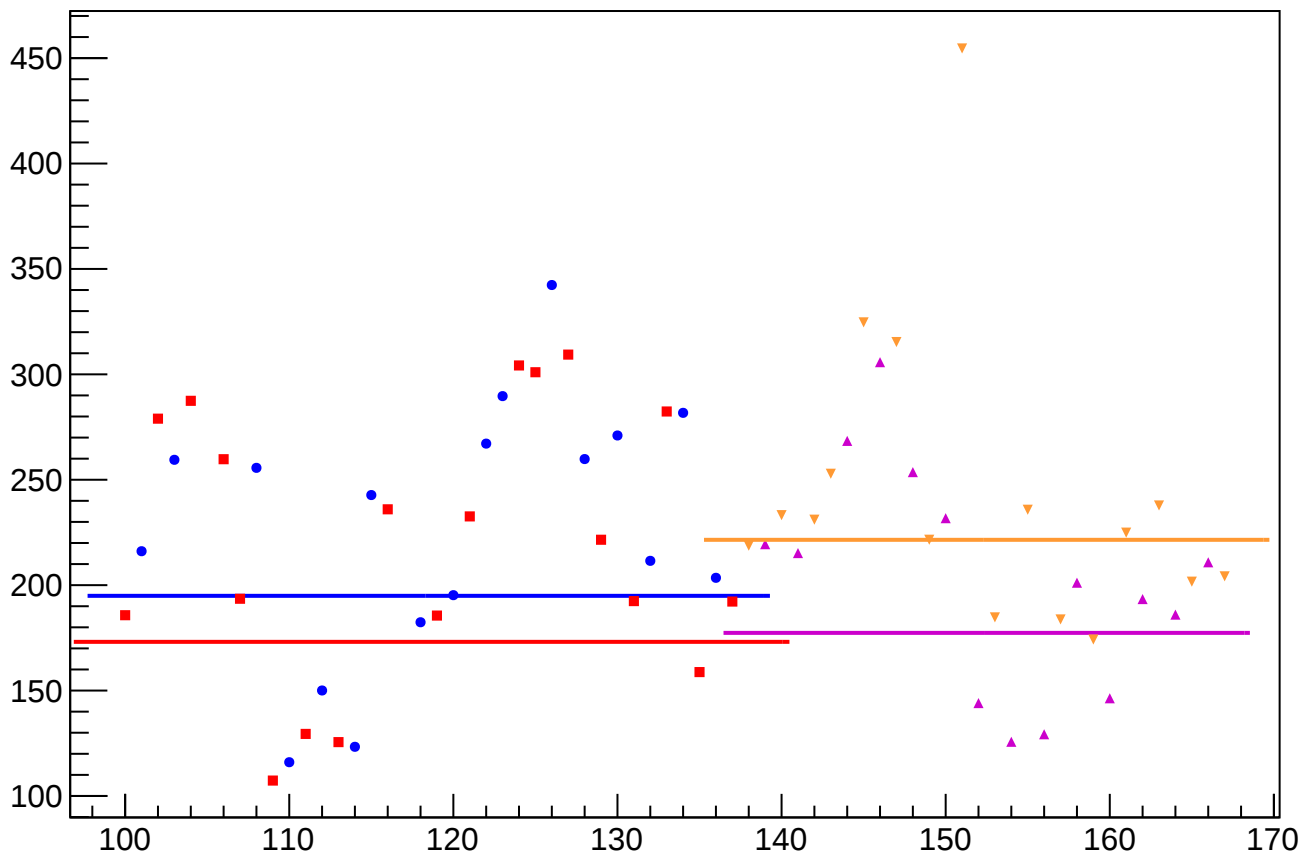
Left In: -49.145 ± 57.346 χ^2/NDF : 4.9/13

+ sign 43.069 ± 51.127 χ^2/NDF : 10.7/32

All: -1.251 ± 33.549 χ^2/NDF : 22.9/65

- sign -34.766 ± 44.460 χ^2/NDF : 10.9/32

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

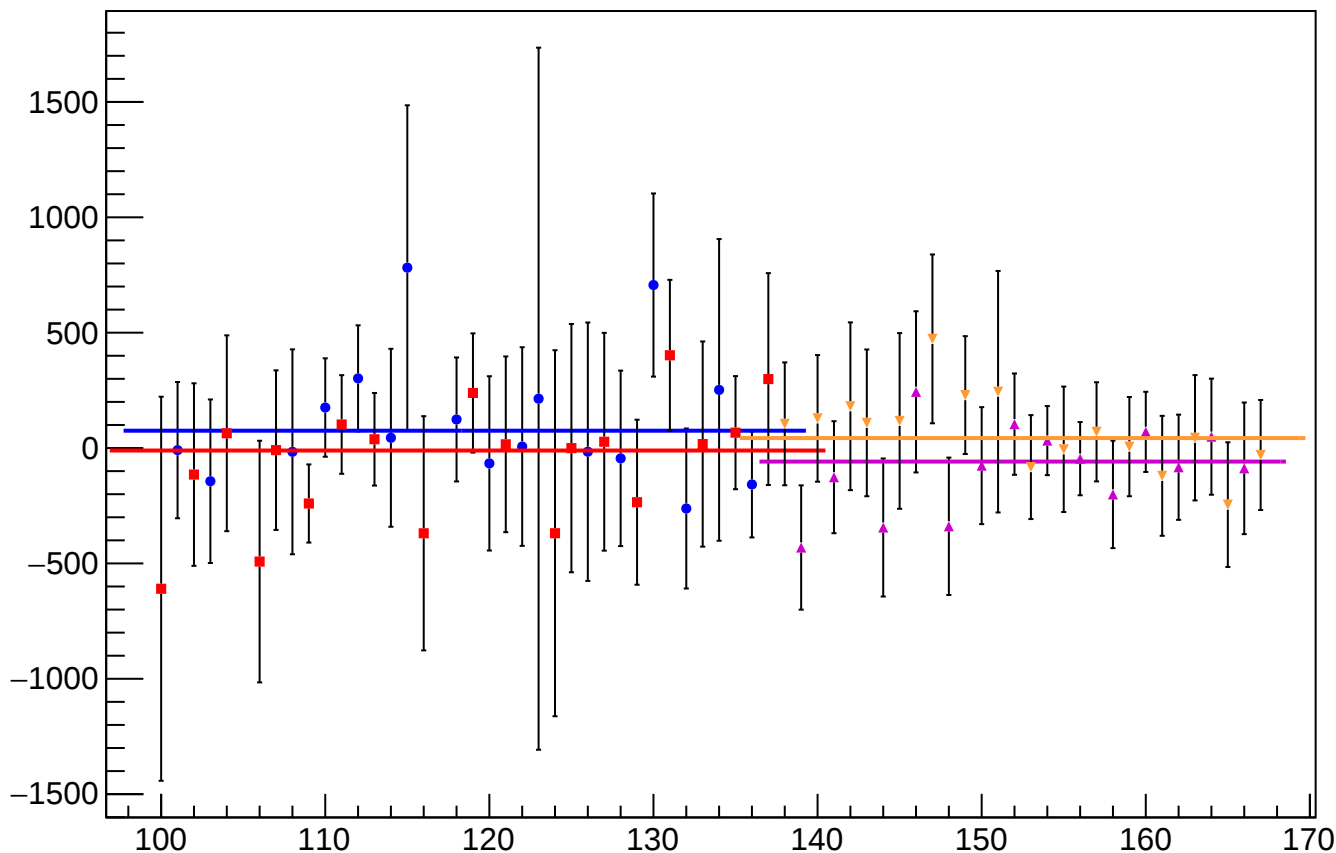
Left In: 177.364 $\pm$ 0.041 χ^2 /NDF: 1473410.1/13

+ sign 210.652 $\pm$ 0.036 χ^2 /NDF: 2099931.0/32

All: 190.731 $\pm$ 0.024 χ^2 /NDF: 5655704.3/65

- sign 175.666 $\pm$ 0.031 χ^2 /NDF: 3022526.7/32

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

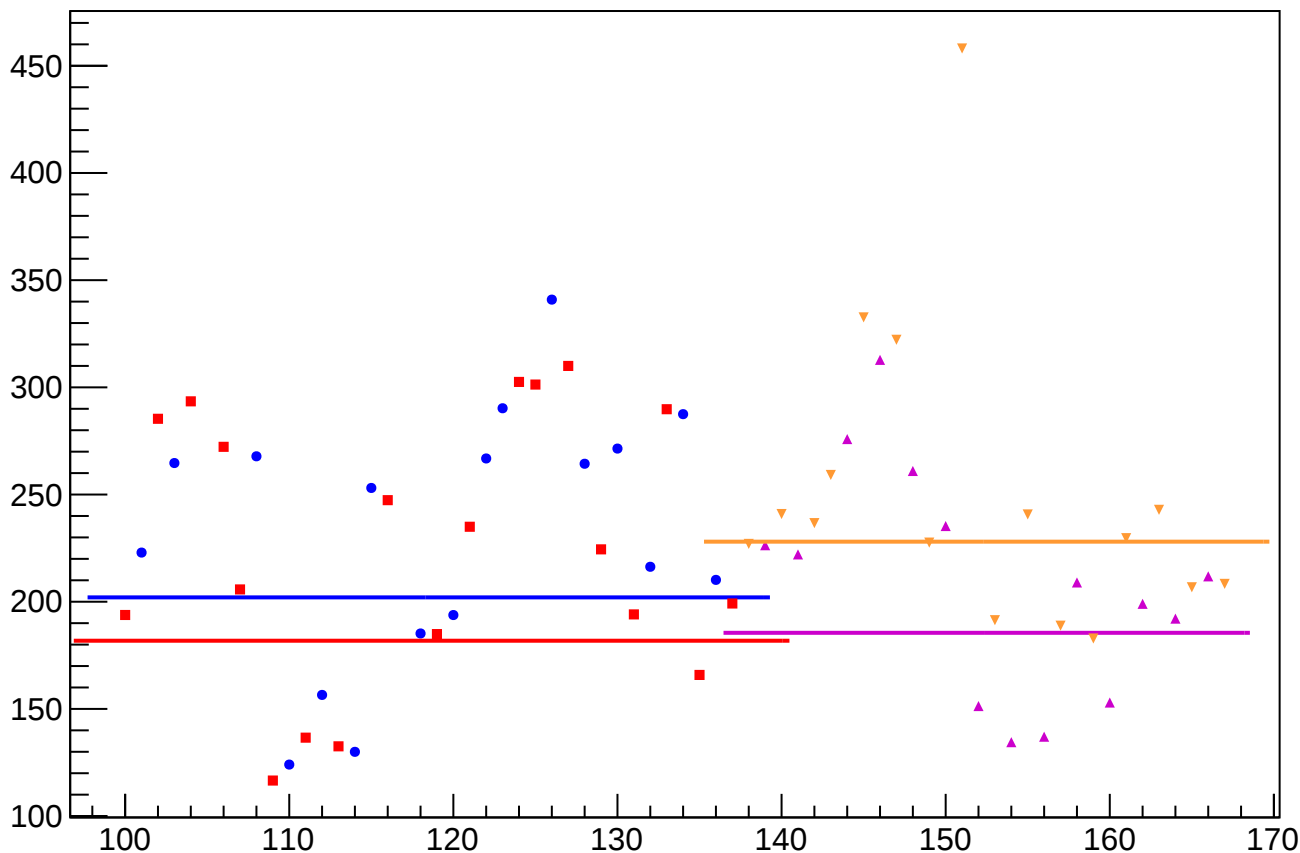
Left In: -58.607 $\pm$ 59.665 χ^2 /NDF: 6.6/13

+ sign 56.281 $\pm$ 52.611 χ^2 /NDF: 12.2/32

All: 2.277 $\pm$ 34.750 χ^2 /NDF: 28.7/65

- sign -39.516 $\pm$ 46.283 χ^2 /NDF: 14.7/32

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 228.021 $\pm$ 0.048 χ^2 /NDF: 938961.1/15

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

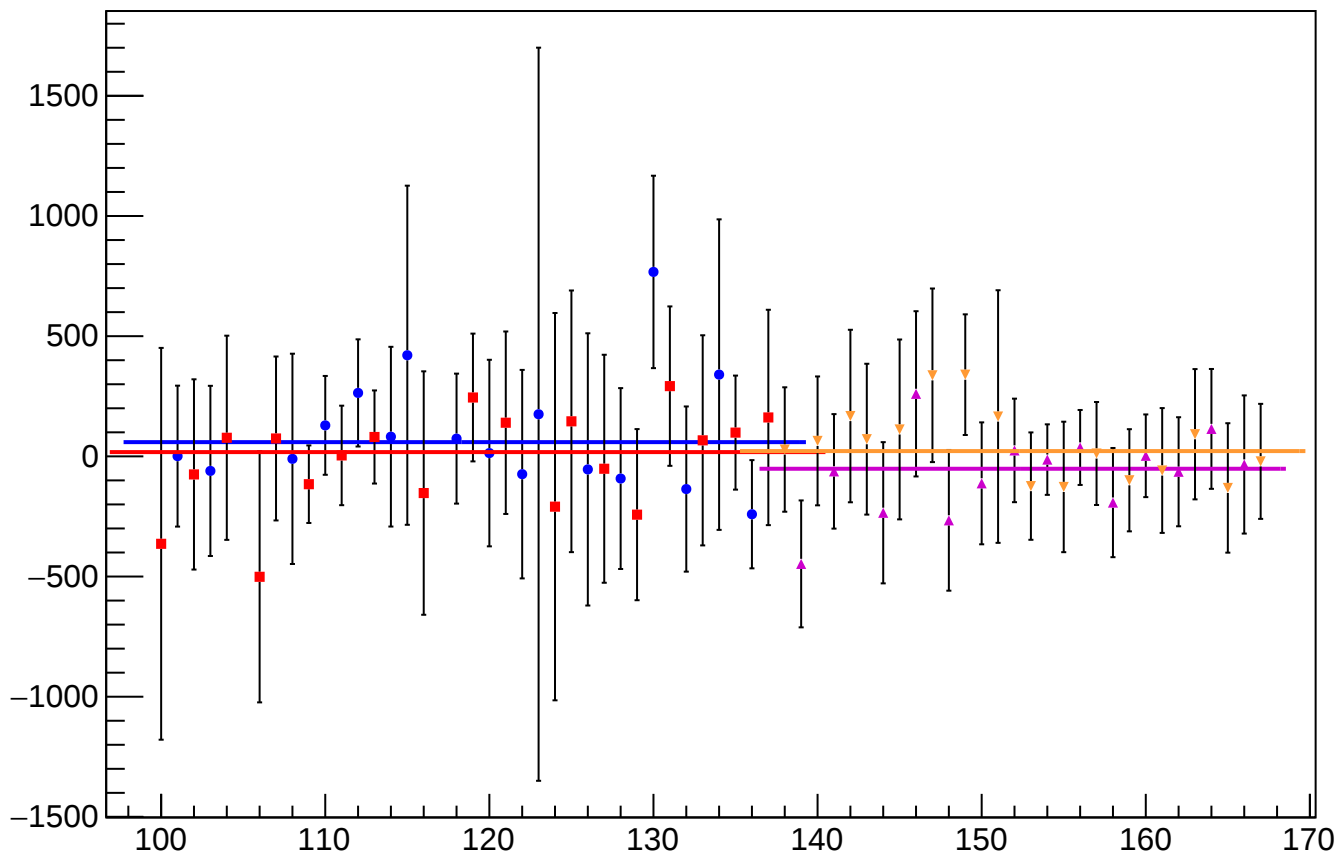
Left In: 185.500 $\pm$ 0.042 χ^2 /NDF: 1328423.5/13

+ sign 217.452 $\pm$ 0.037 χ^2 /NDF: 1938352.7/32

All: 198.612 $\pm$ 0.025 χ^2 /NDF: 5102338.1/65

- sign 184.031 $\pm$ 0.033 χ^2 /NDF: 2709005.3/32

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

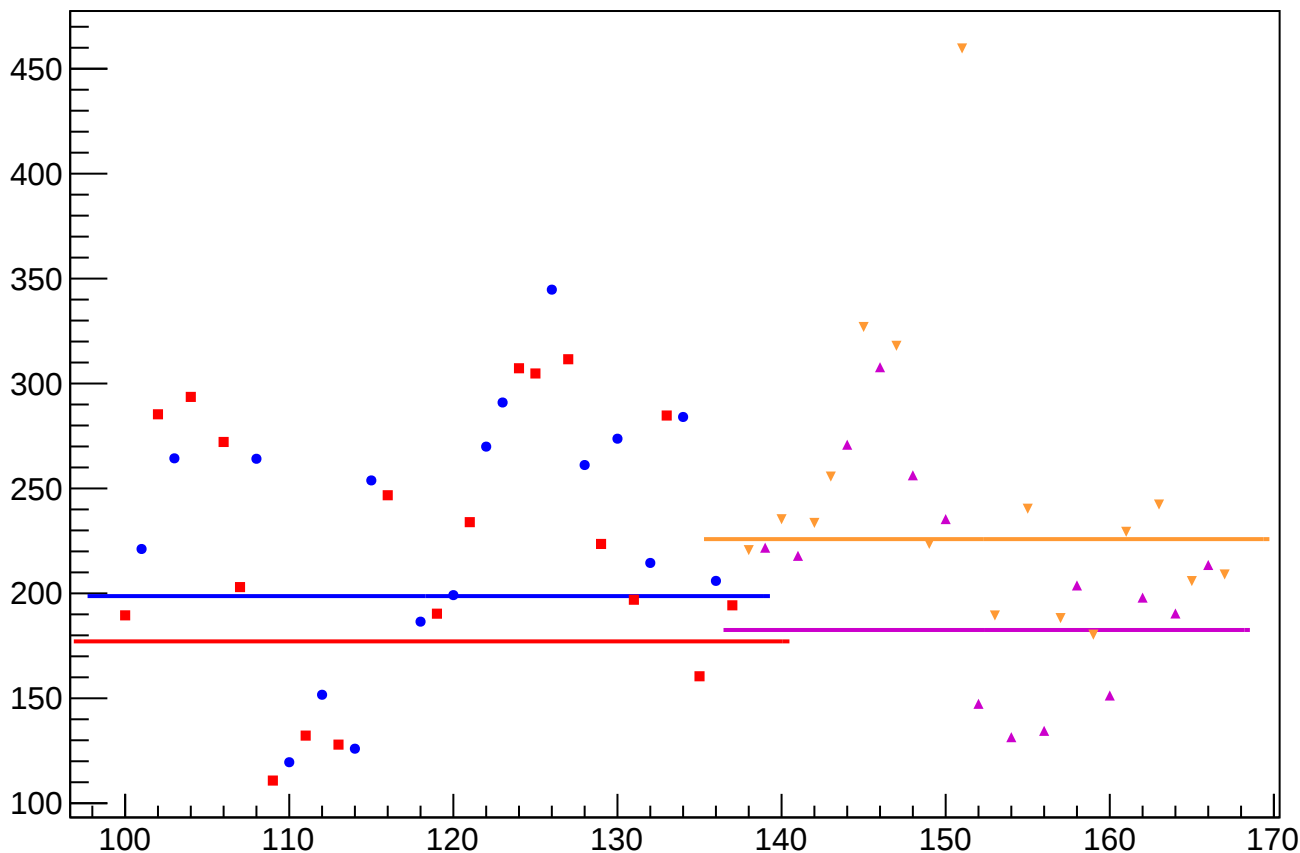
Left In: -51.604 $\pm$ 58.807 χ^2/NDF : 5.5/13

+ sign 37.141 $\pm$ 52.046 χ^2/NDF : 11.6/32

All: 2.605 $\pm$ 34.264 χ^2/NDF : 23.0/65

- sign -23.814 $\pm$ 45.521 χ^2/NDF : 10.7/32

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 225.854 $\pm$ 0.048 χ^2 /NDF: 935405.8/15

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

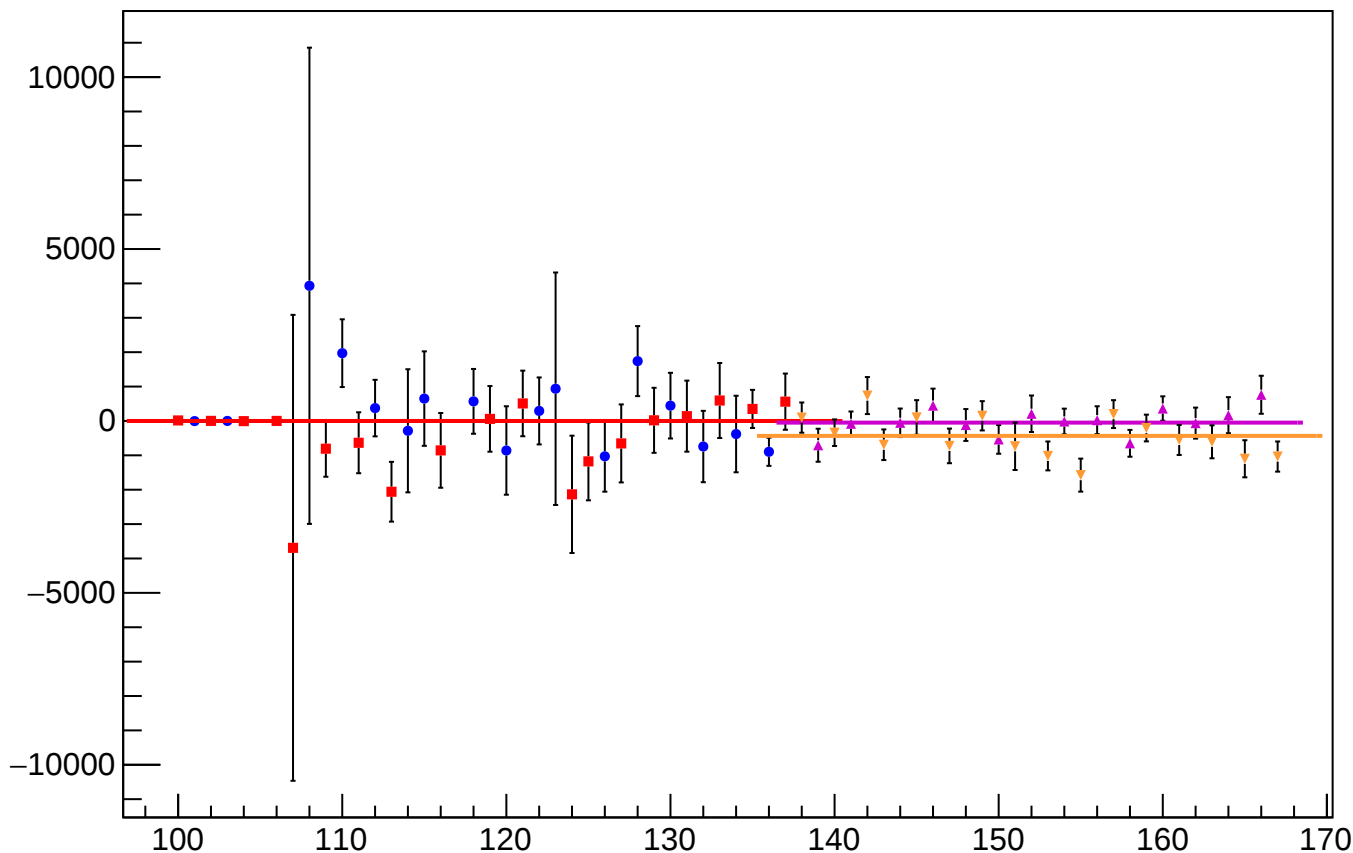
Left In: 182.557 $\pm$ 0.042 χ^2 /NDF: 1351304.8/13

+ sign 214.760 $\pm$ 0.037 χ^2 /NDF: 2030329.1/32

All: 195.281 $\pm$ 0.024 χ^2 /NDF: 5407824.0/65

- sign 180.380 $\pm$ 0.032 χ^2 /NDF: 2883035.7/32

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

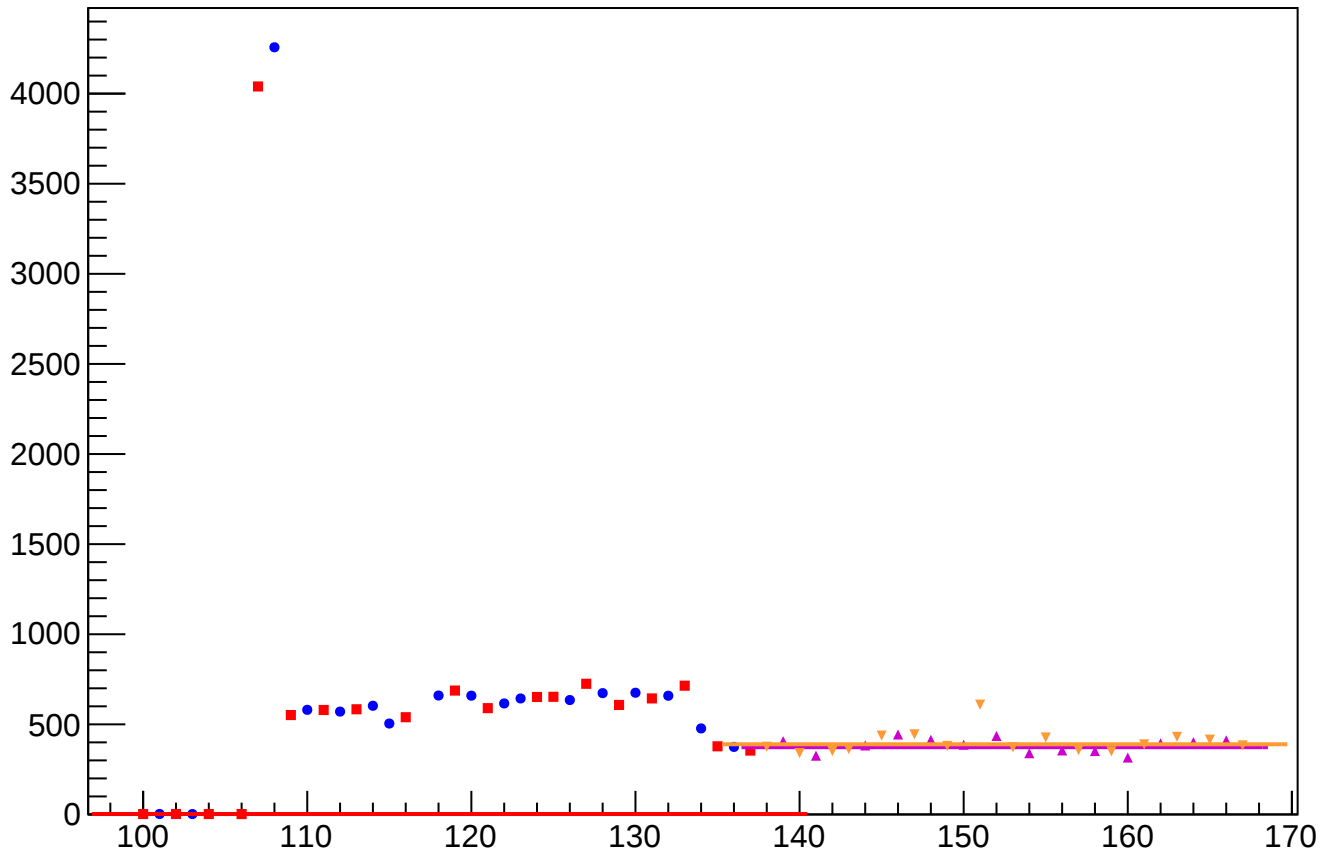
Left In: -48.667 ± 114.923 χ^2/NDF : 10.6/13

+ sign -1.697 ± 2.251 χ^2/NDF : 55.2/32

All: -1.192 ± 1.540 χ^2/NDF : 84.4/65

- sign -0.748 ± 2.111 χ^2/NDF : 29.1/32

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

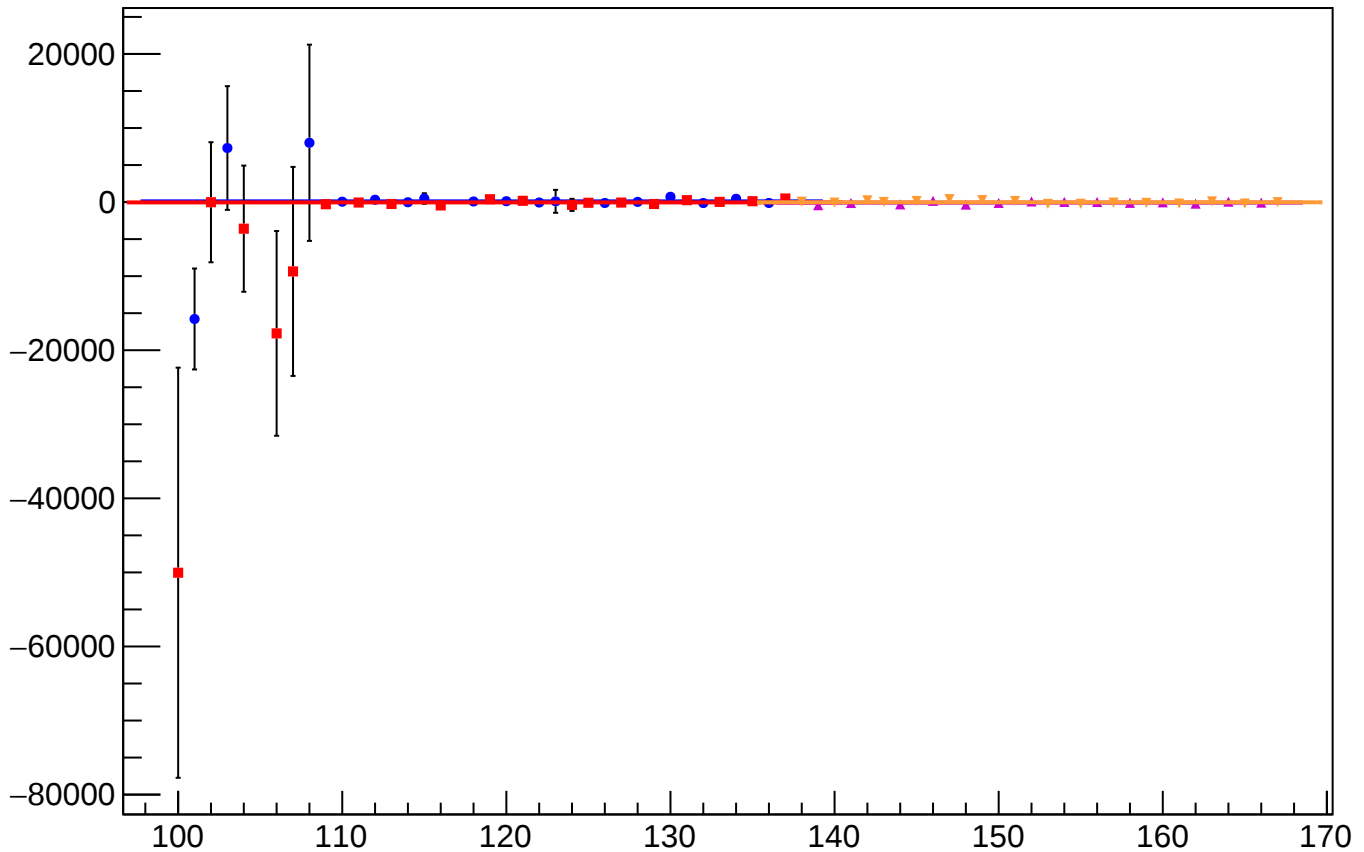
Left In: 373.260+/-0.081 χ^2/NDF : 229690.1/13

+ sign 2.607+/-0.002 χ^2/NDF : 34061115.8/32

All: 2.583+/-0.001 χ^2/NDF : 66247910.3/65

- sign 2.562+/-0.001 χ^2/NDF : 32186370.5/32

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

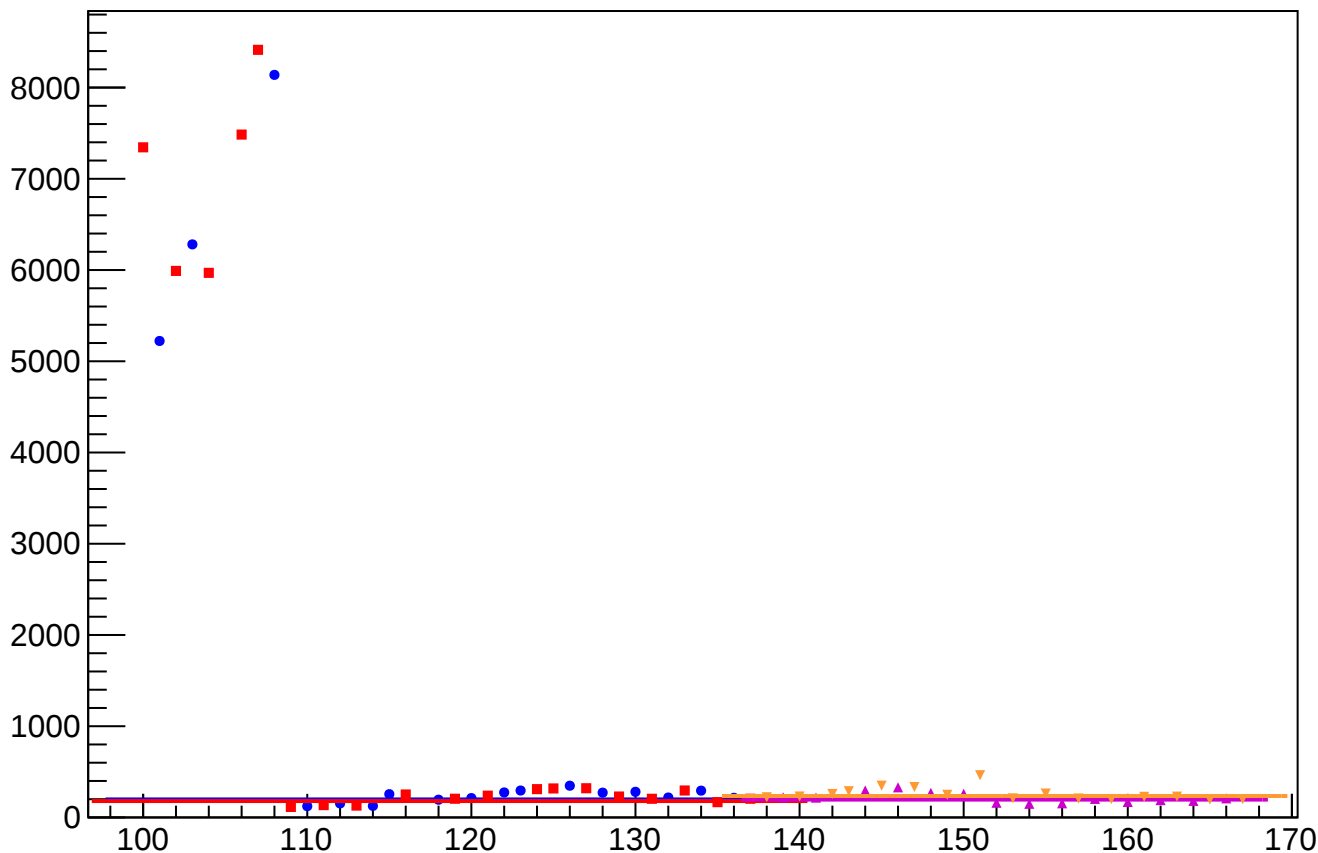
Left In: -74.479+/-62.462 χ^2/NDF : 5.4/13

+ sign 17.535+/-55.775 χ^2/NDF : 18.9/32

All: -27.053+/-37.329 χ^2/NDF : 39.6/65

- sign -63.229+/-50.239 χ^2/NDF : 19.5/32

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

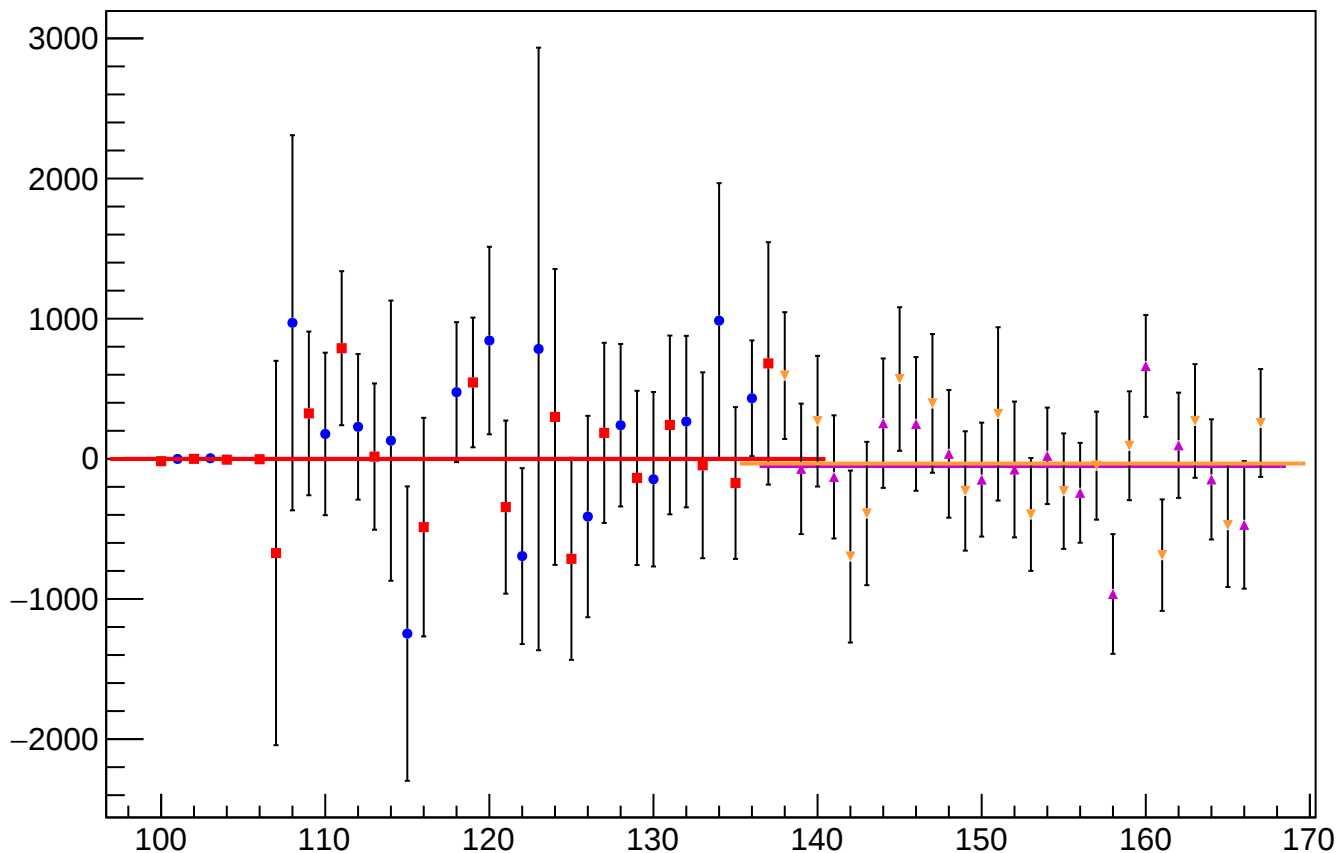
Left In: 195.703+/-0.044 χ^2/NDF : 1065382.3/13

+ sign 221.041+/-0.039 χ^2/NDF : 4839713.1/32

All: 203.988+/-0.026 χ^2/NDF : 10609874.6/65

- sign 190.152+/-0.036 χ^2/NDF : 5431517.9/32

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

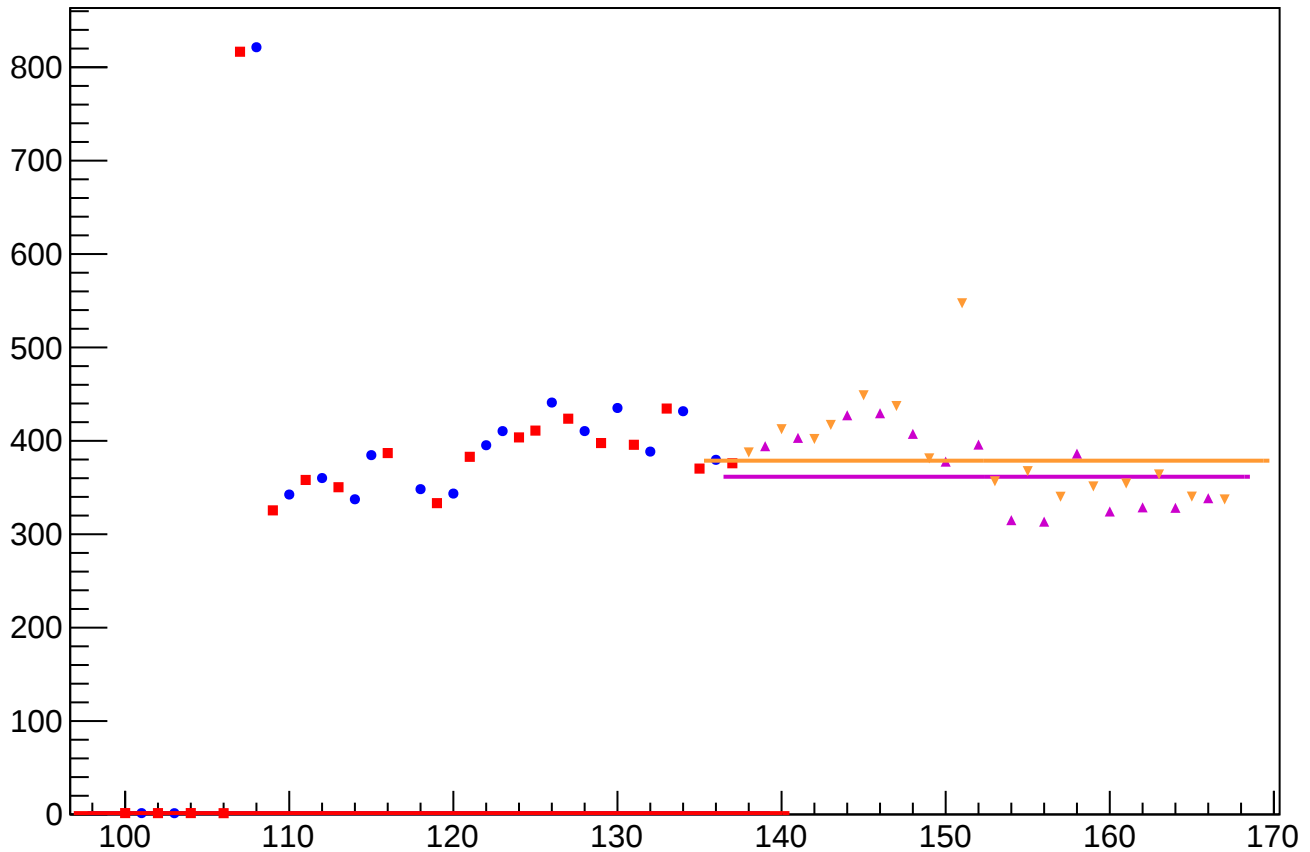
Left In: -51.356 ± 111.285 χ^2/NDF : 10.8/13

+ sign -0.147 ± 1.736 χ^2/NDF : 22.5/32

All: -0.781 ± 1.185 χ^2/NDF : 43.2/65

- sign -1.334 ± 1.622 χ^2/NDF : 20.5/32

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

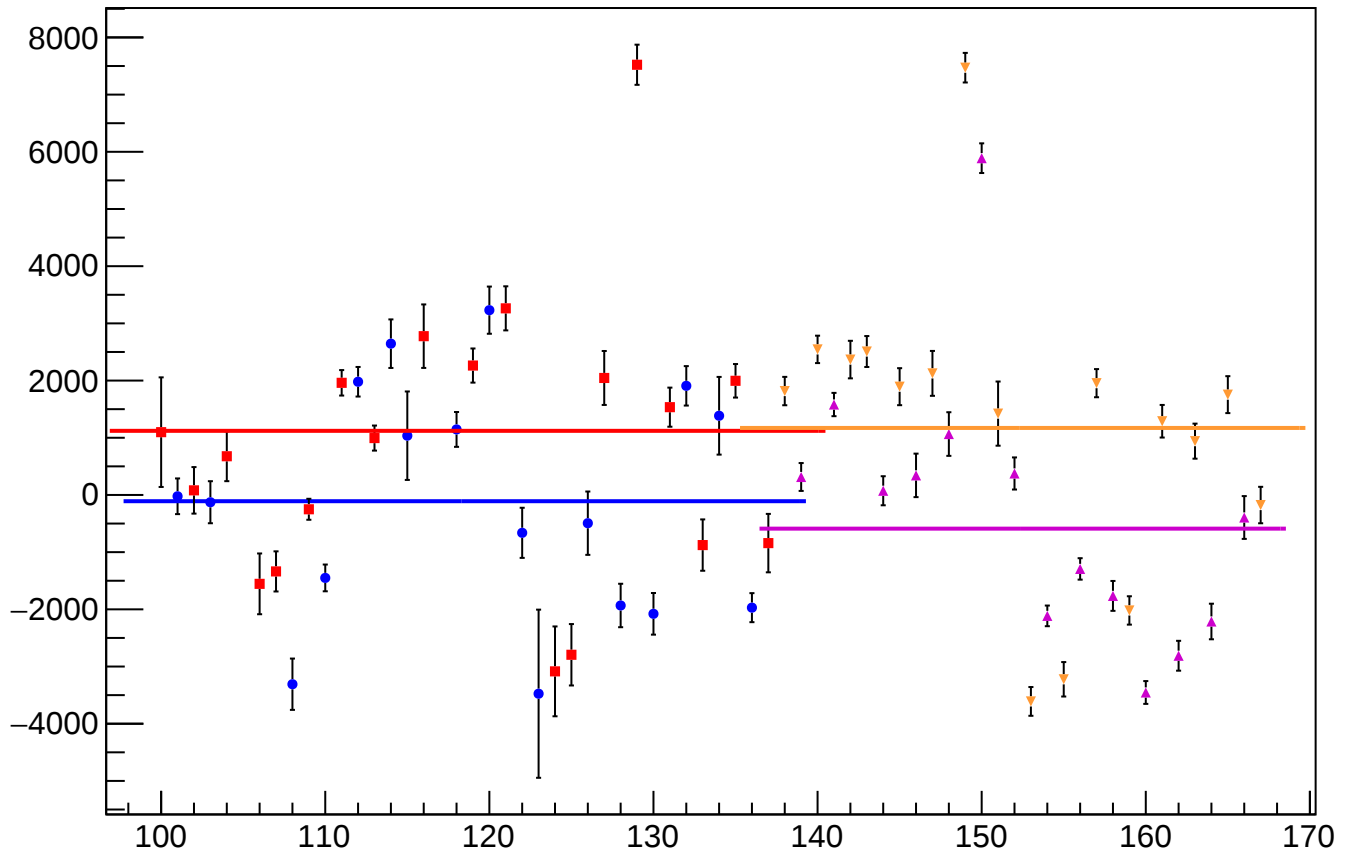
Left In: 361.564+/-0.079 χ^2/NDF : 275615.6/13

+ sign 1.545+/-0.001 χ^2/NDF : 34393148.5/32

All: 1.536+/-0.001 χ^2/NDF : 66480722.3/65

- sign 1.528+/-0.001 χ^2/NDF : 32087464.5/32

asym_bcm0l02_mean vs Slug



Right In: -109.225 $\pm$ 87.961 χ^2/NDF : 428.3/16

Left Out: 1171.739 $\pm$ 72.022 χ^2/NDF : 1453.1/15

Right Out: 1121.203 $\pm$ 78.396 χ^2/NDF : 670.1/18

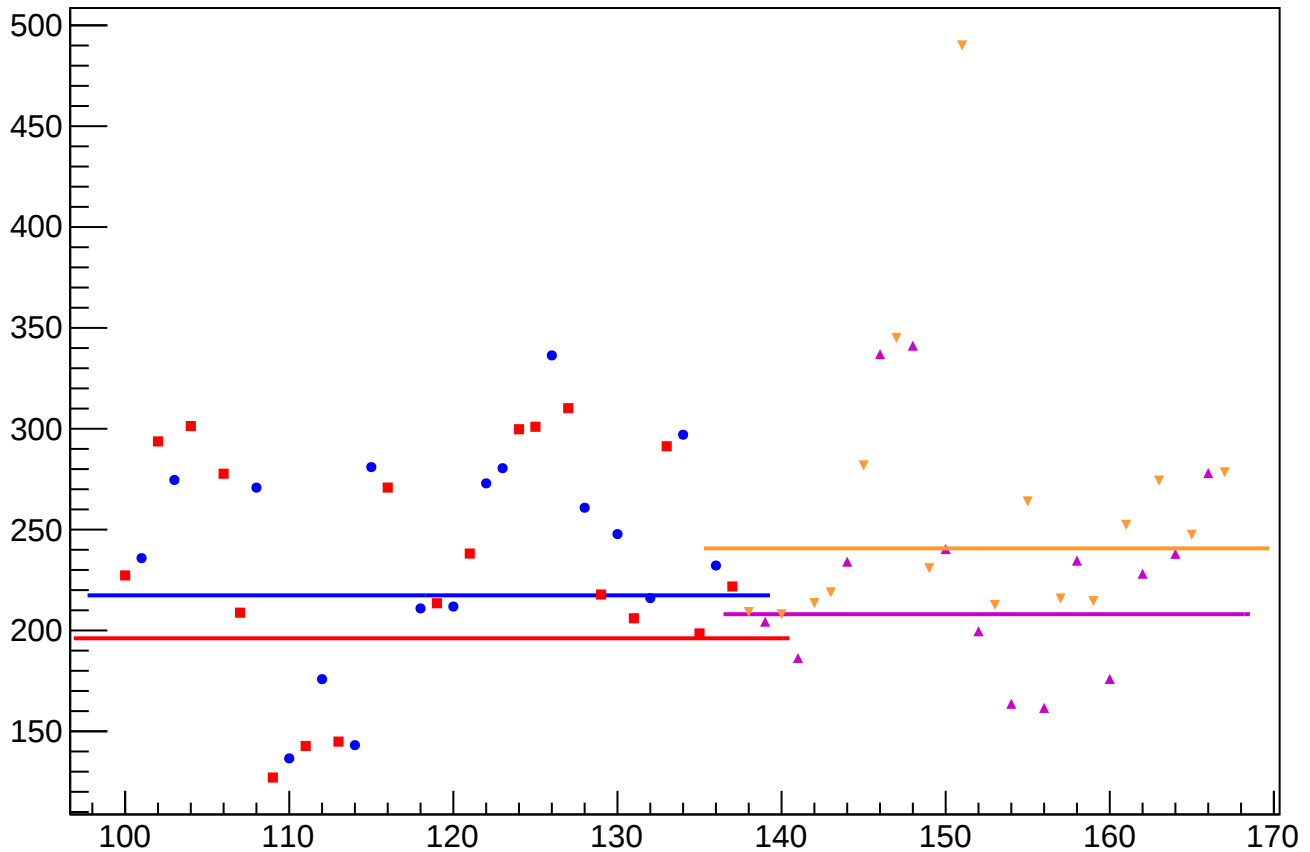
Left In: -588.932 $\pm$ 66.106 χ^2/NDF : 1206.0/13

+ sign 657.625 $\pm$ 55.725 χ^2/NDF : 2008.4/32

All: 363.580 $\pm$ 37.435 χ^2/NDF : 4213.3/65

- sign 121.737 $\pm$ 50.537 χ^2/NDF : 2154.1/32

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

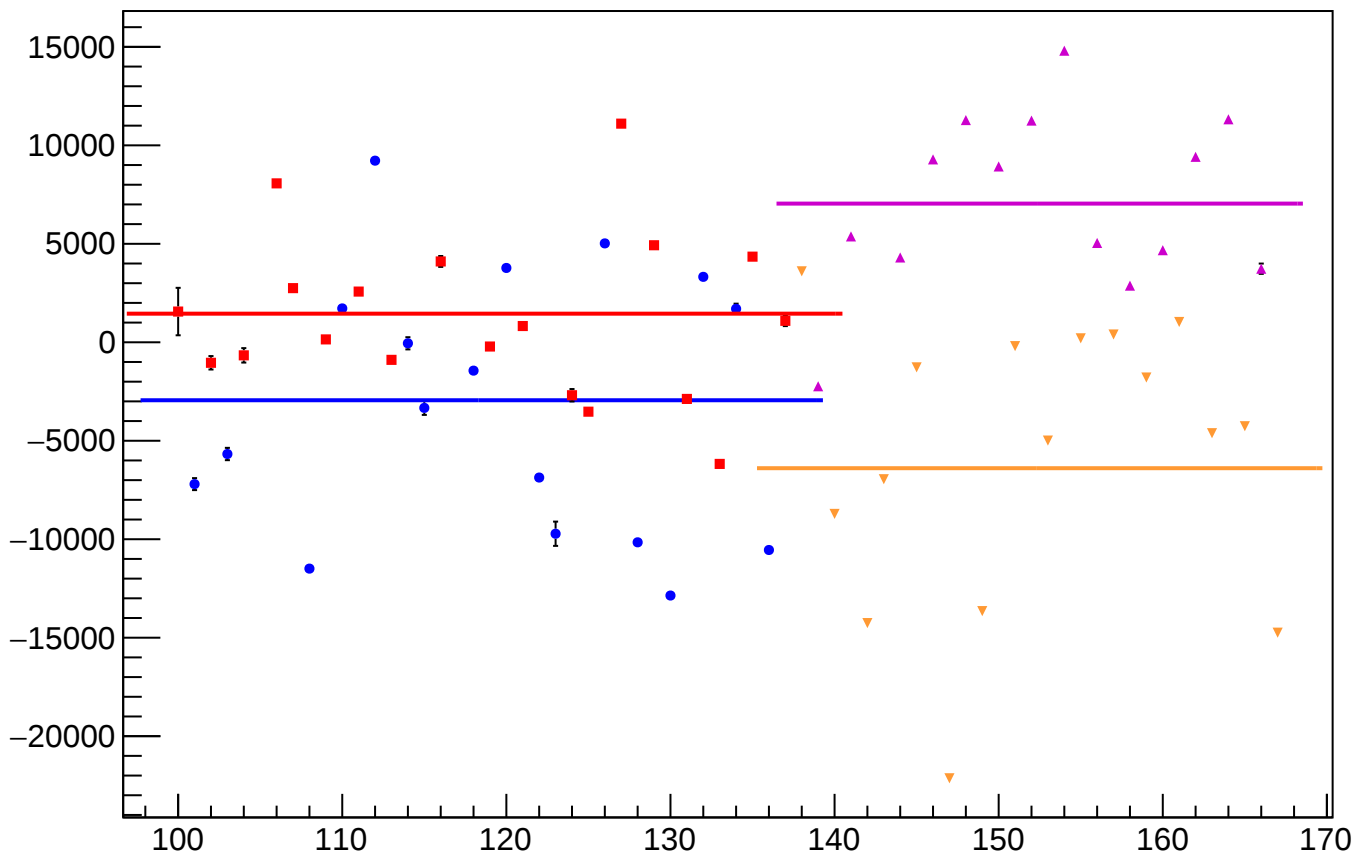
Left In: 208.060 $\pm$ 0.047 χ^2 /NDF:967085.2/13

+ sign 231.339 $\pm$ 0.039 χ^2 /NDF: 1540122.3/32

All: 215.841 $\pm$ 0.026 χ^2 /NDF: 4007137.7/65

- sign 203.095 $\pm$ 0.036 χ^2 /NDF: 2185096.0/32

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -6393.411 ± 39.657 $\chi^2/\text{NDF}: 35421.2/15$

Right Out: 1453.116 ± 46.404 $\chi^2/\text{NDF}: 7996.0/18$

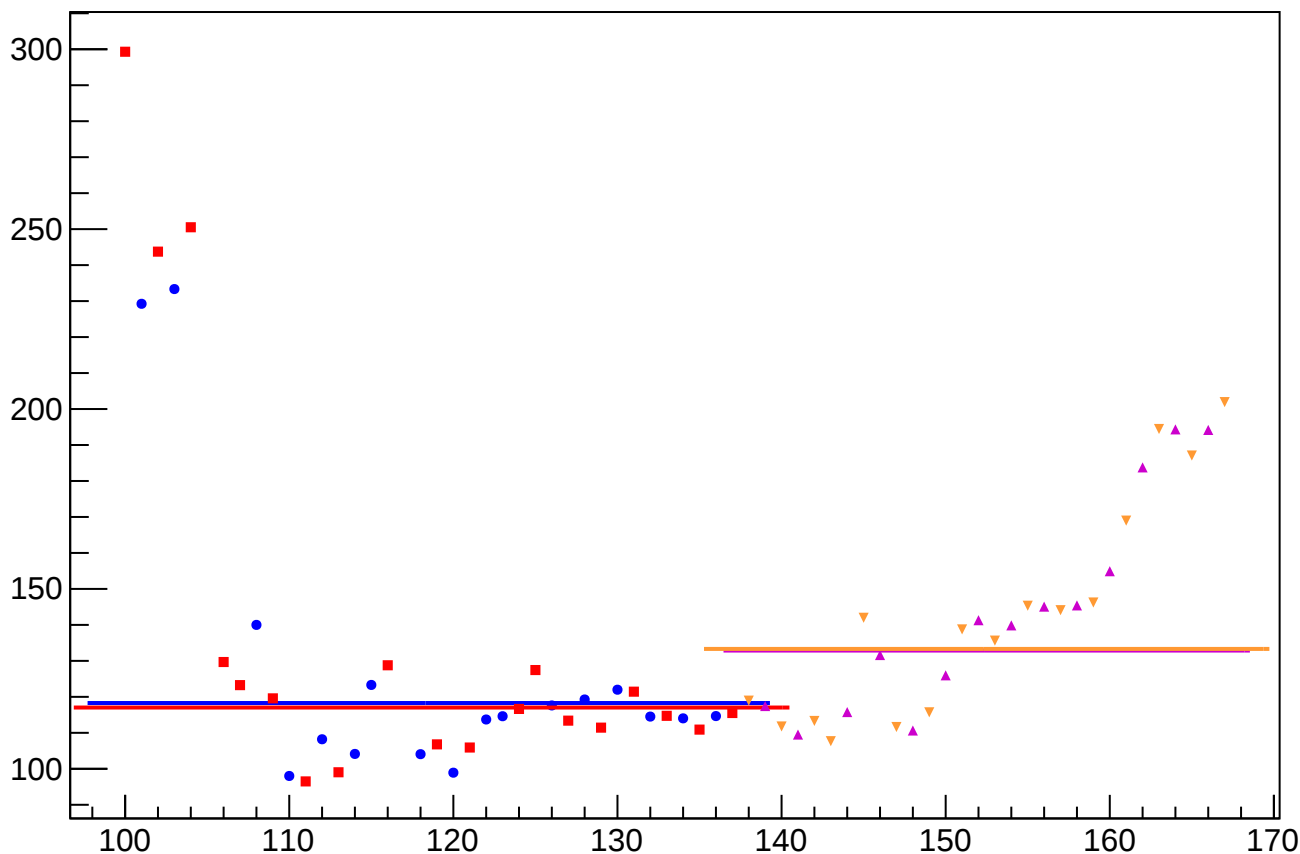
Left In: 7041.894 ± 41.242 $\chi^2/\text{NDF}: 11342.9/13$

+ sign -5014.729 ± 30.729 $\chi^2/\text{NDF}: 59355.7/32$

All: -234.783 ± 21.763 $\chi^2/\text{NDF}: 135344.5/65$

- sign 4575.503 ± 30.826 $\chi^2/\text{NDF}: 27442.9/32$

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

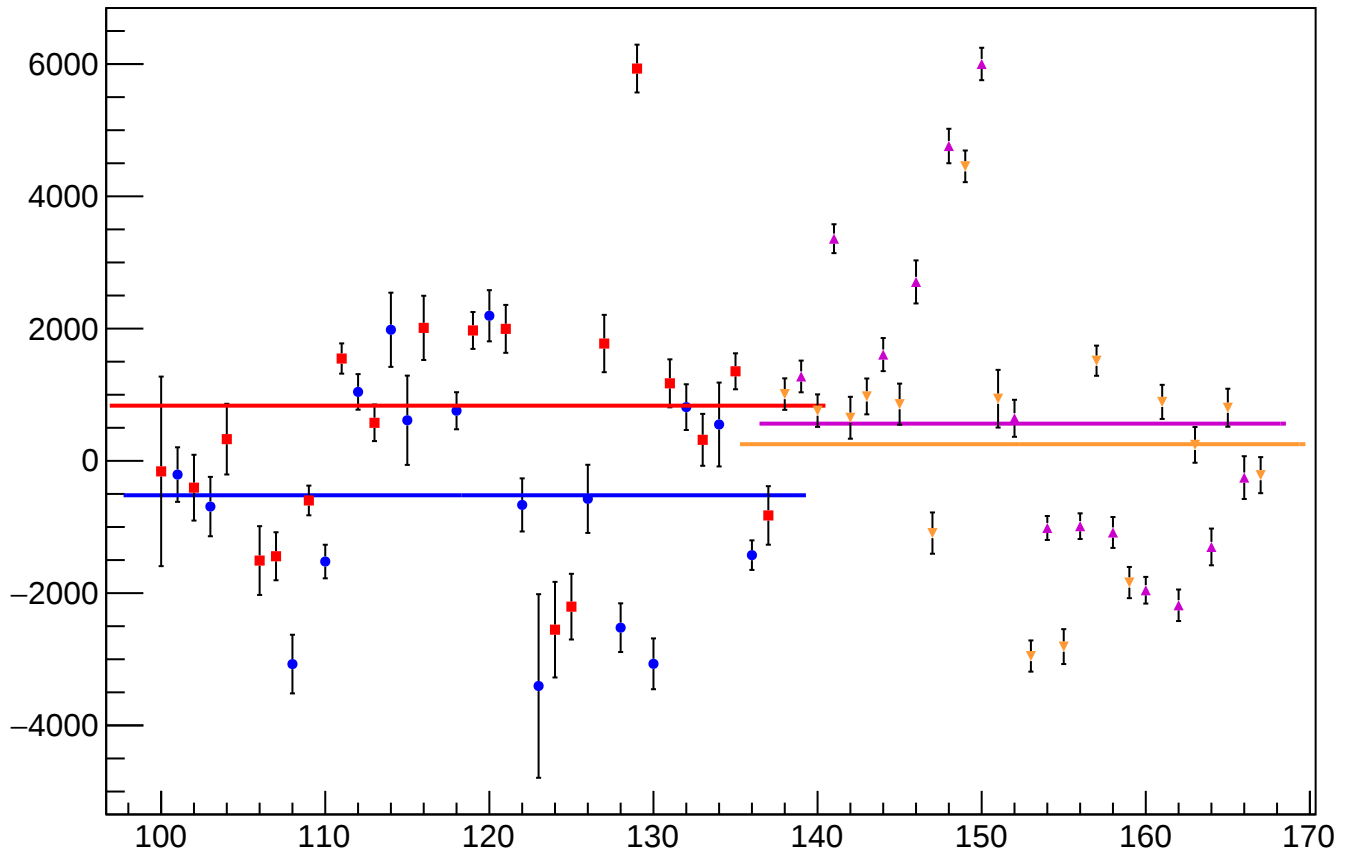
Left In: 132.866 $\pm$ 0.029 χ^2 /NDF:612374.2/13

+ sign 127.314 $\pm$ 0.022 χ^2 /NDF: 1563393.0/32

All: 126.598 $\pm$ 0.015 χ^2 /NDF: 2998921.4/65

- sign 125.878 $\pm$ 0.022 χ^2 /NDF: 1433352.7/32

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

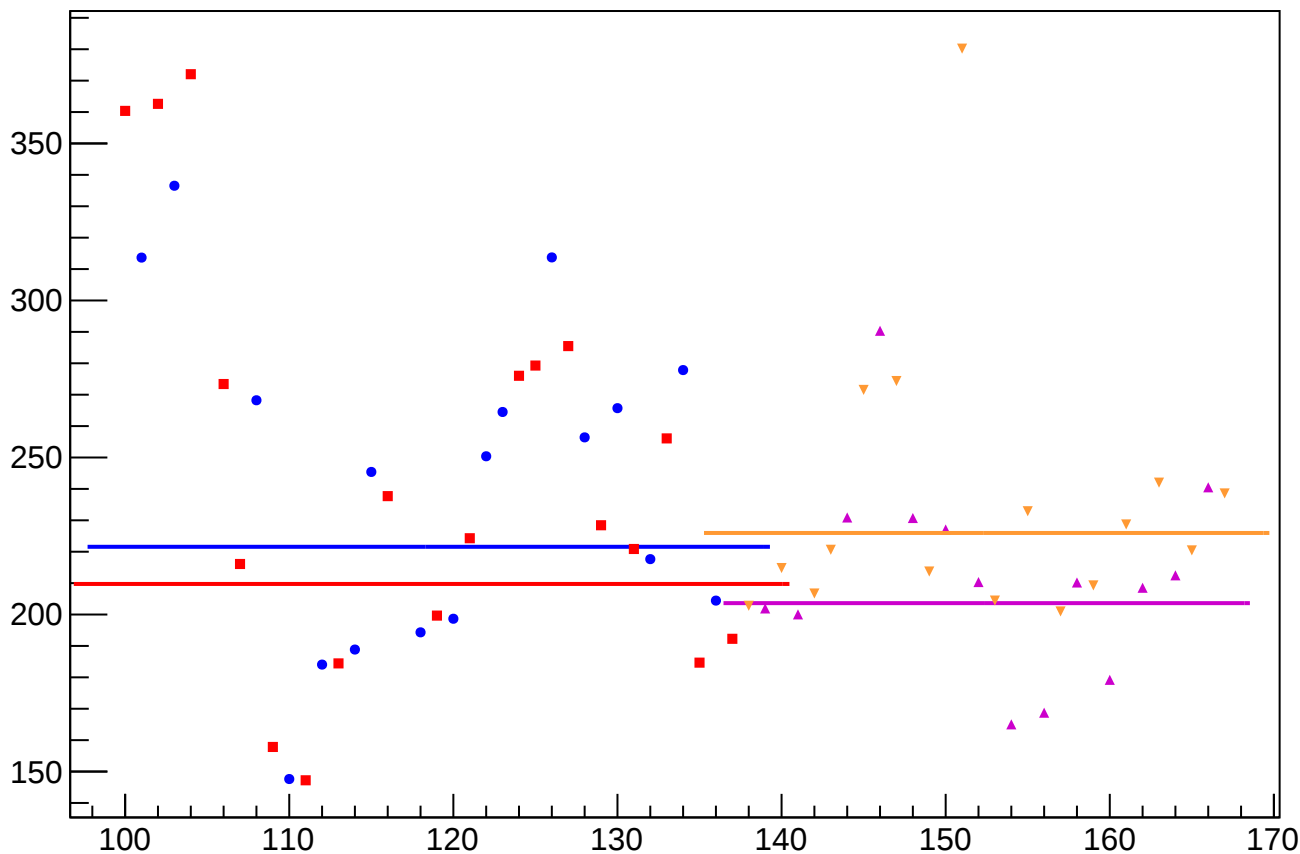
Left In: 562.871 ± 63.513 χ^2/NDF : 1515.1/13

+ sign -24.531 ± 53.418 χ^2/NDF : 1133.2/32

All: 340.808 ± 36.610 χ^2/NDF : 3178.1/65

- sign 664.426 ± 50.275 χ^2/NDF : 1956.7/32

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

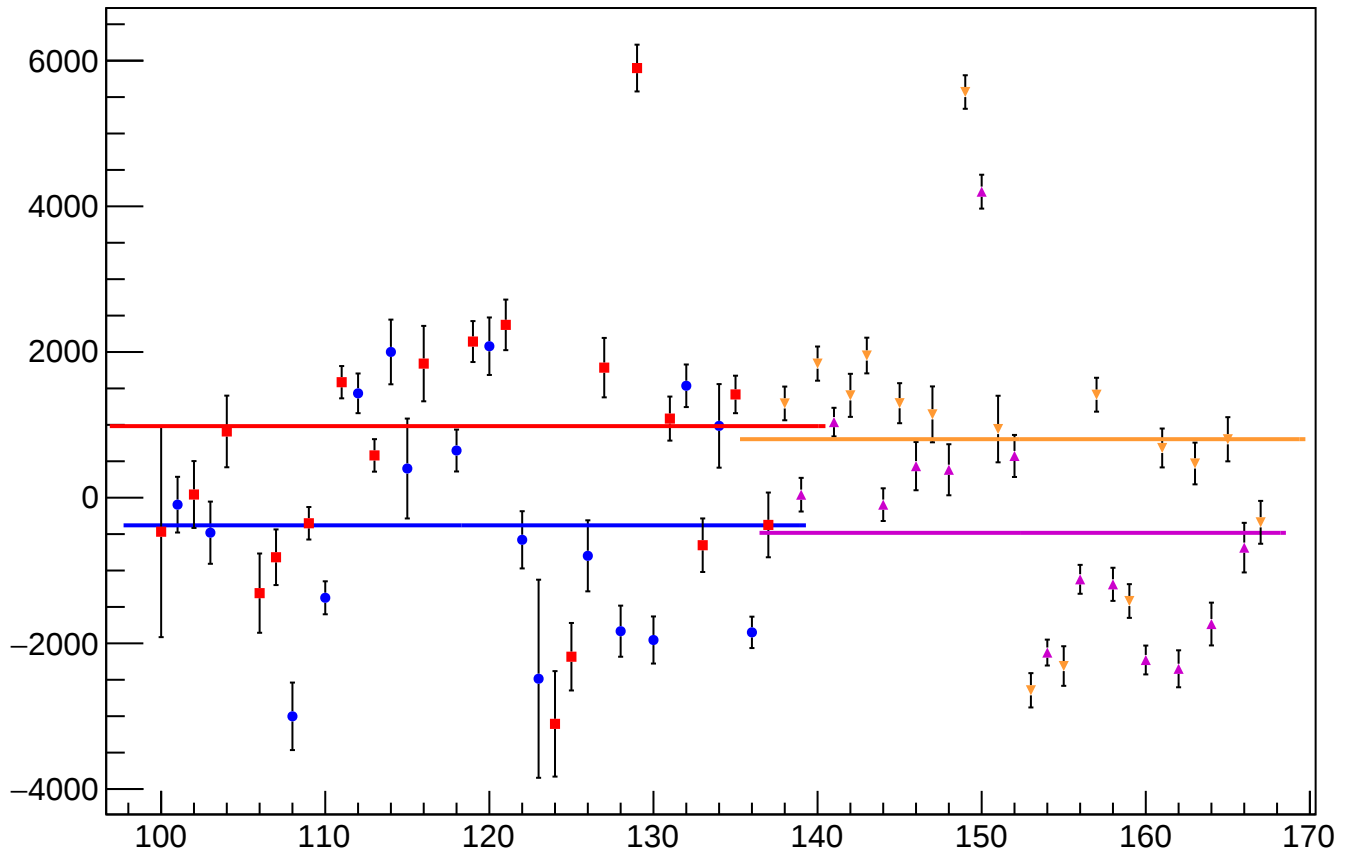
Left In: 203.627 $\pm$ 0.045 χ^2 /NDF: 422565.5/13

+ sign 224.395 $\pm$ 0.038 χ^2 /NDF: 1089765.8/32

All: 214.592 $\pm$ 0.026 χ^2 /NDF: 2530190.1/65

- sign 205.908 $\pm$ 0.036 χ^2 /NDF: 1313396.3/32

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

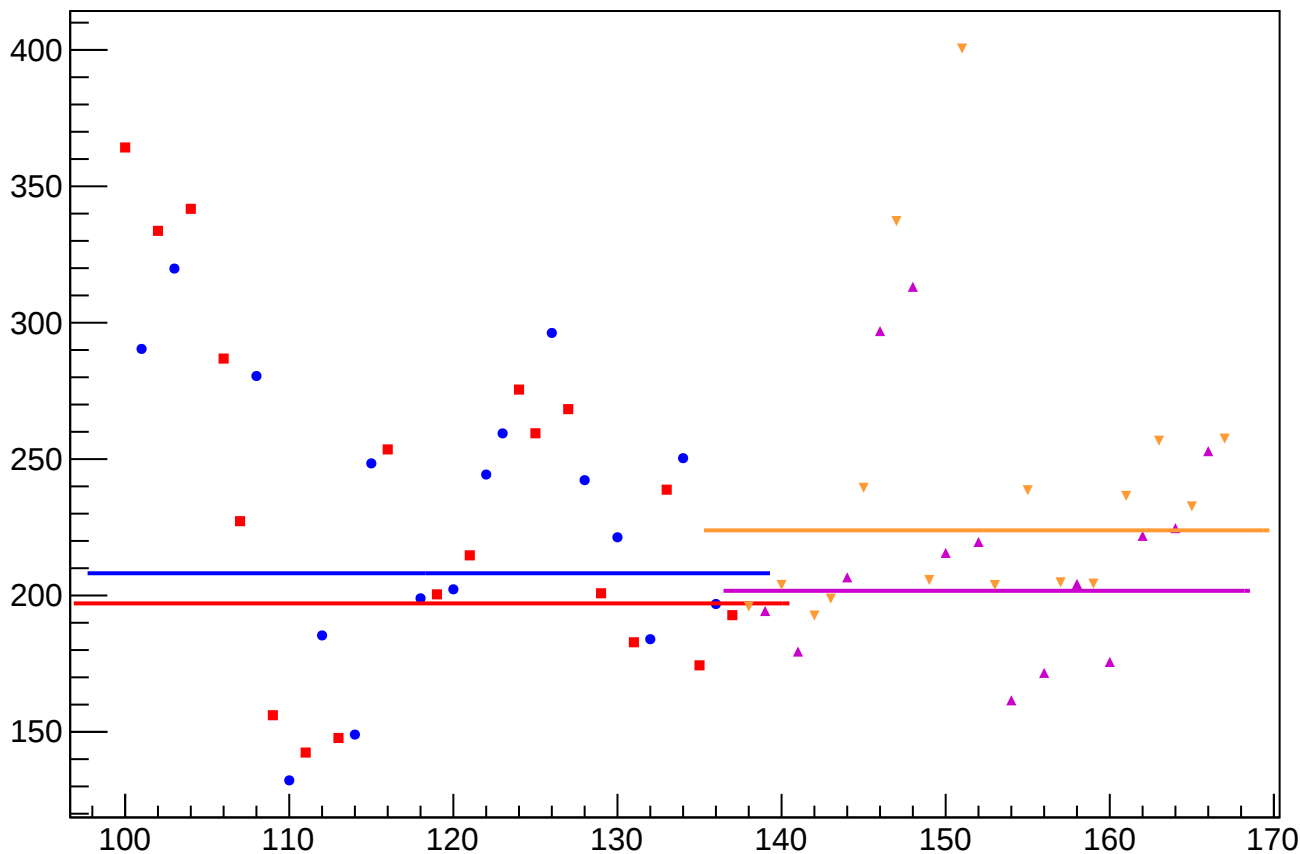
Left In: -482.676 ± 63.255 χ^2/NDF : 756.5/13

+ sign 349.037 ± 52.214 χ^2/NDF : 1382.2/32

All: 217.368 ± 35.754 χ^2/NDF : 2840.7/65

- sign 101.119 ± 49.061 χ^2/NDF : 1446.5/32

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

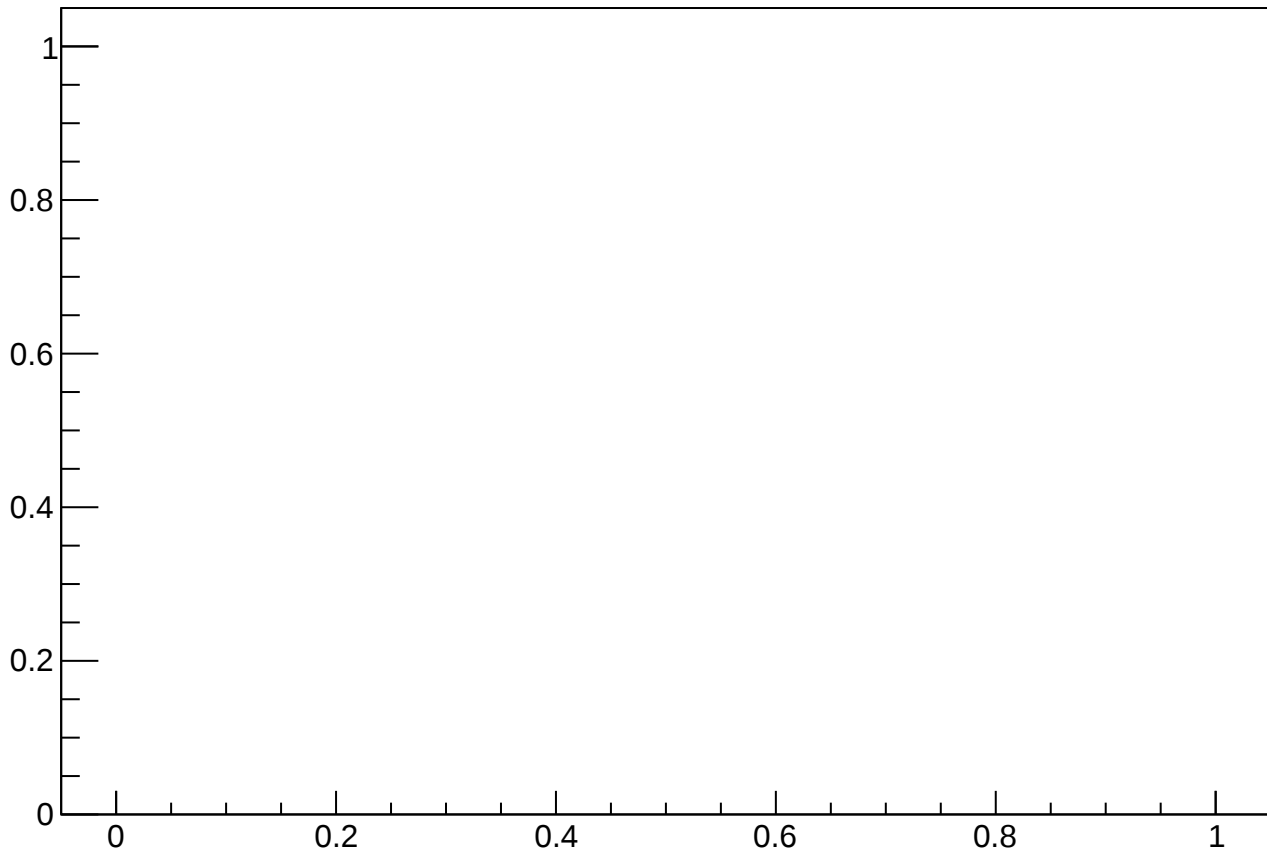
Left In: 201.715+/-0.045 χ^2/NDF : 664236.9/13

+ sign 217.840+/-0.037 χ^2/NDF : 1427797.4/32

All: 208.300+/-0.025 χ^2/NDF : 3148449.6/65

- sign 199.877+/-0.035 χ^2/NDF : 1594941.5/32

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

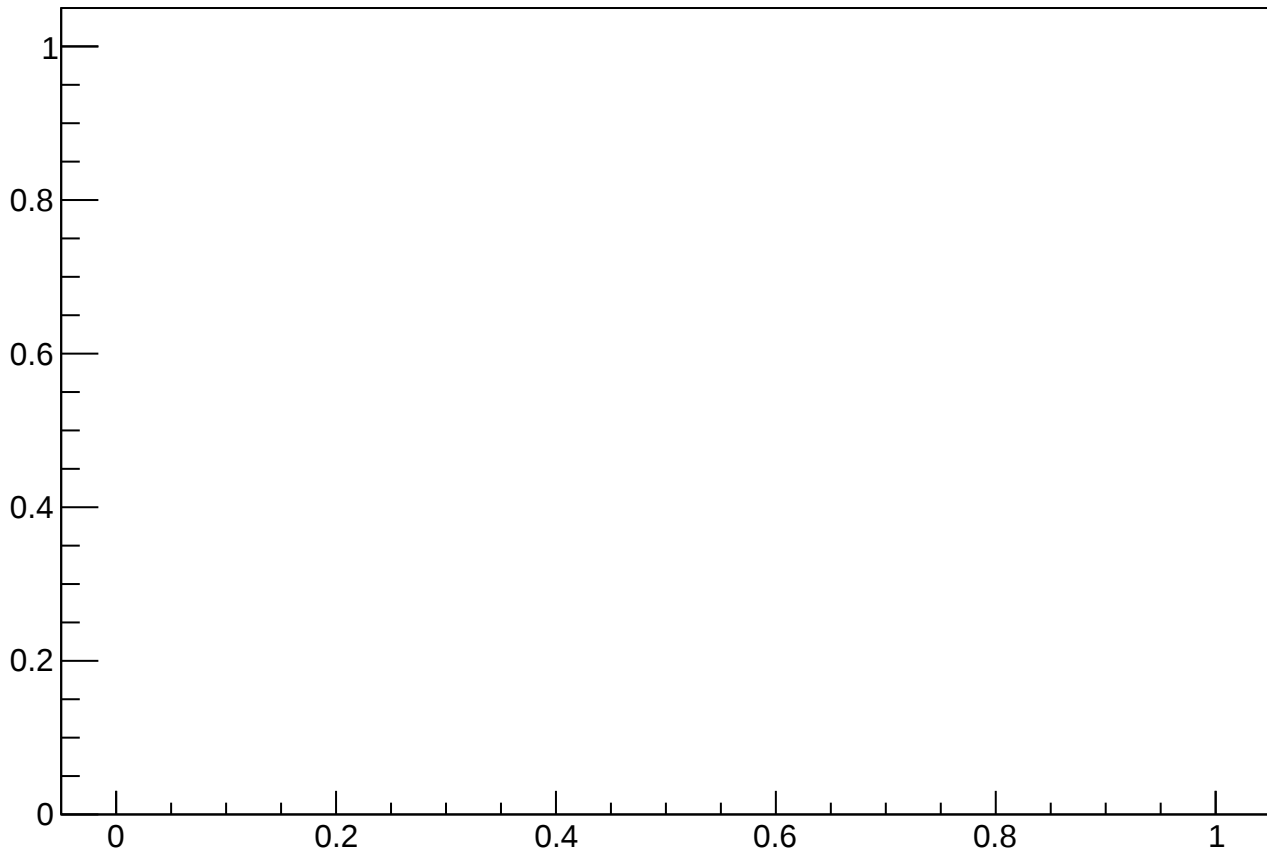
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

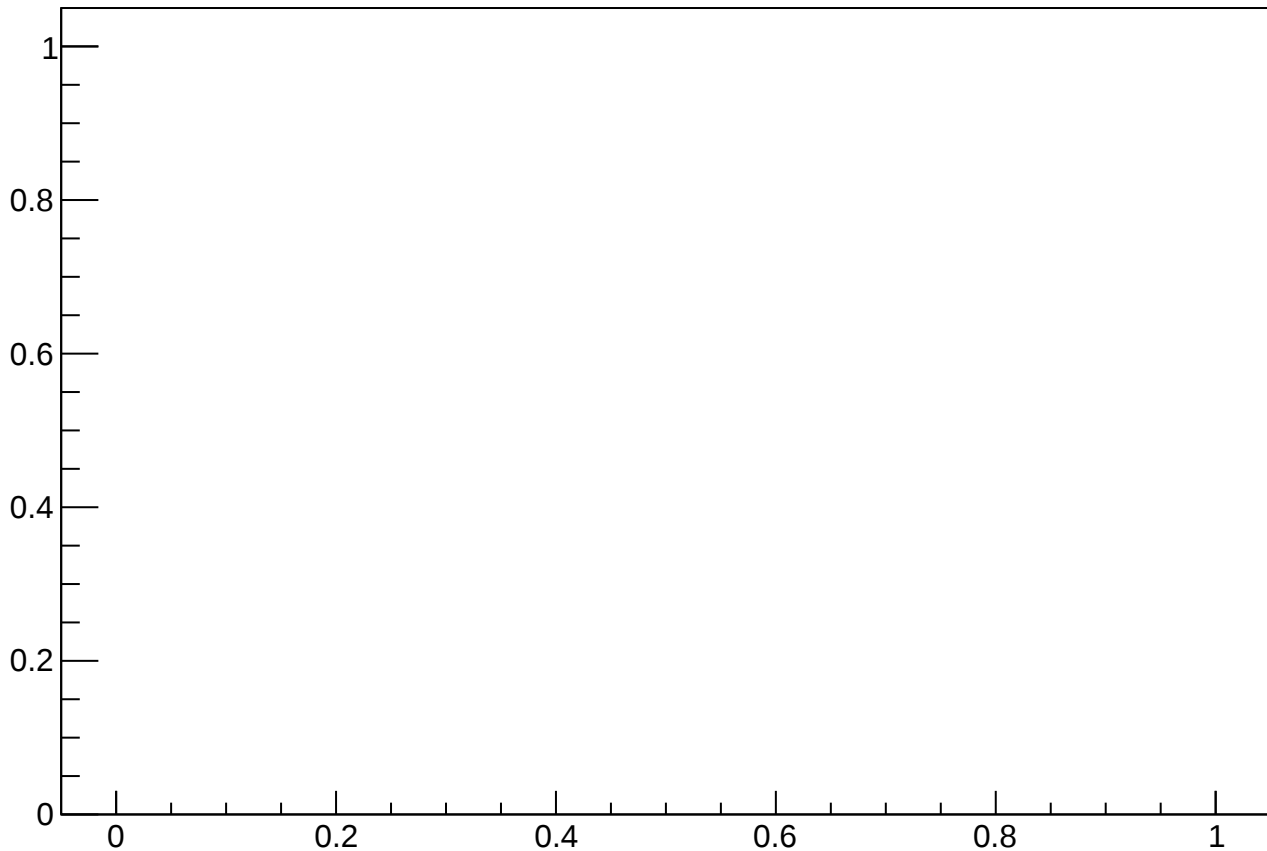
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

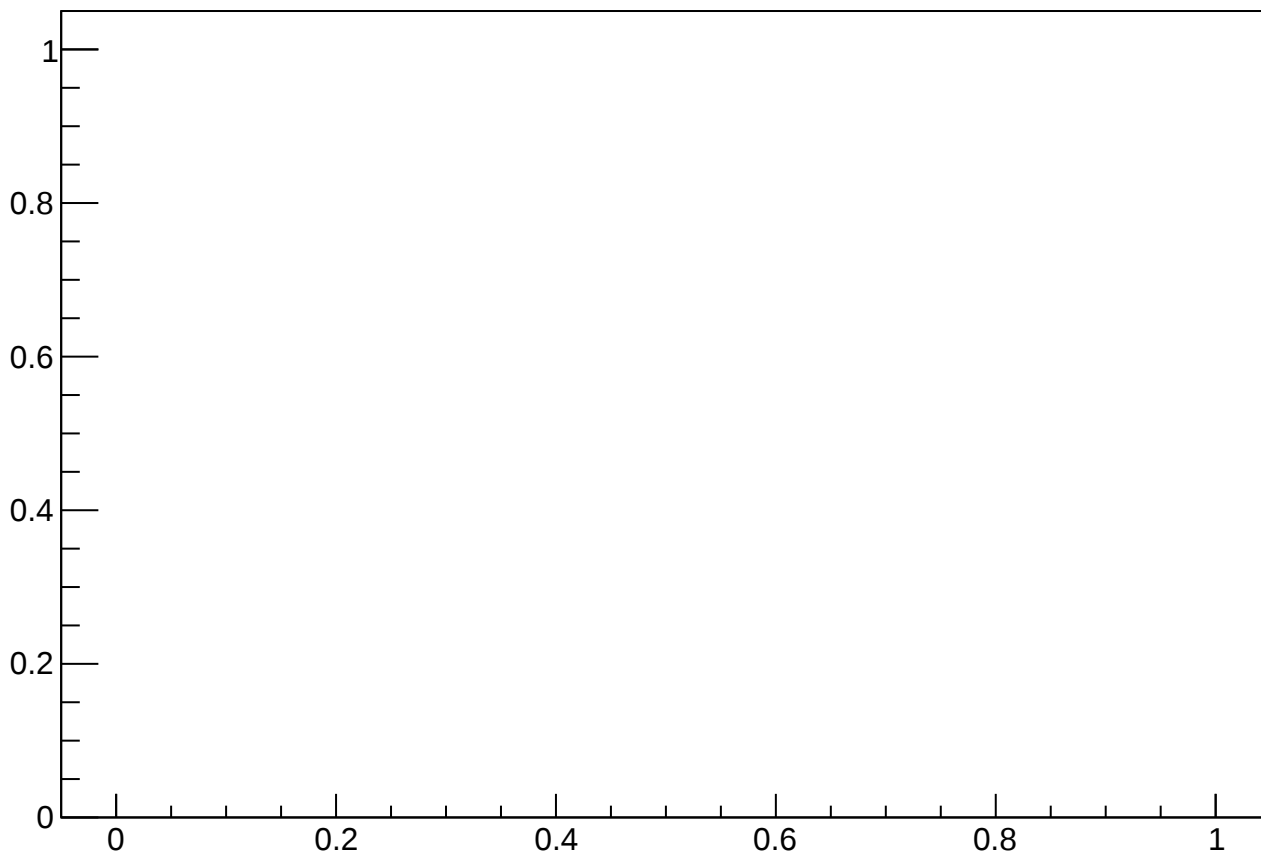
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

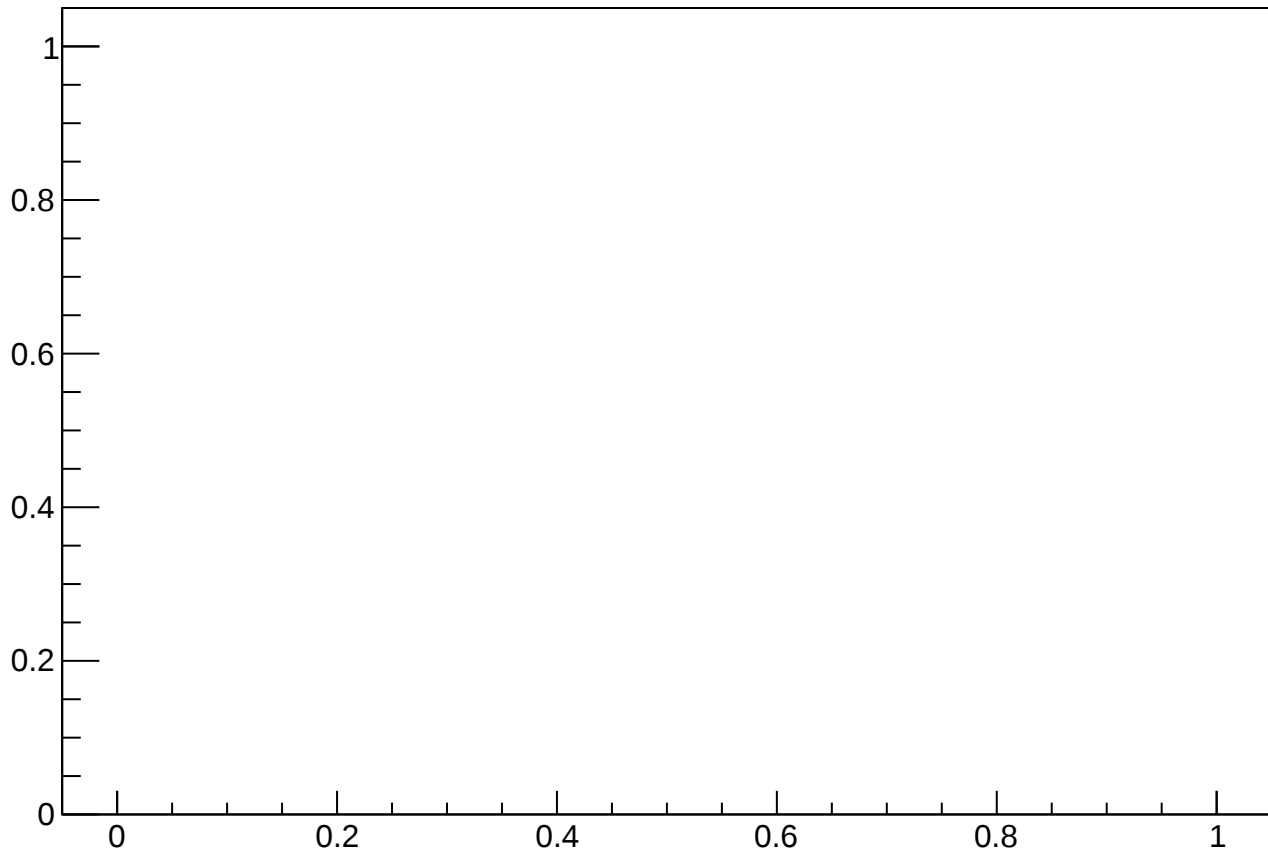
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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+/-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

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

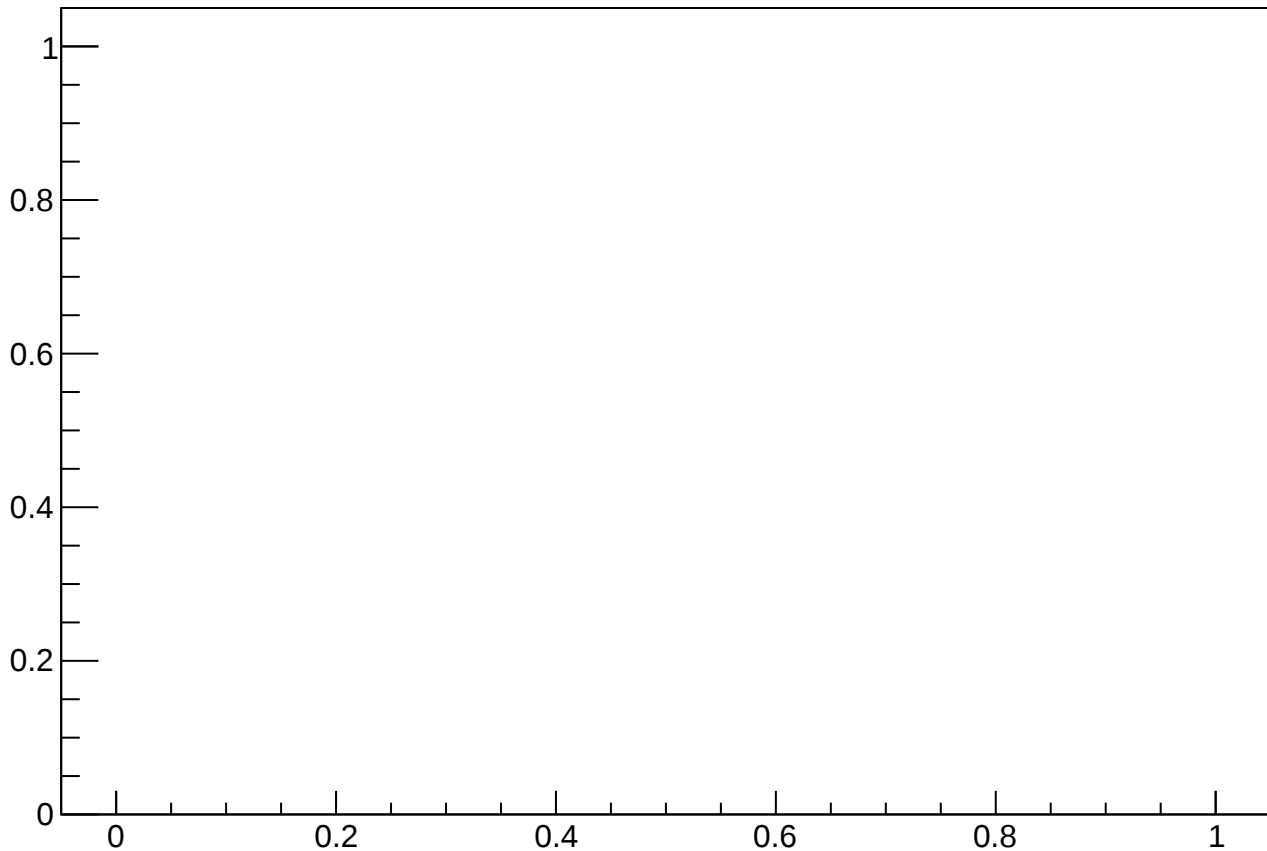
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

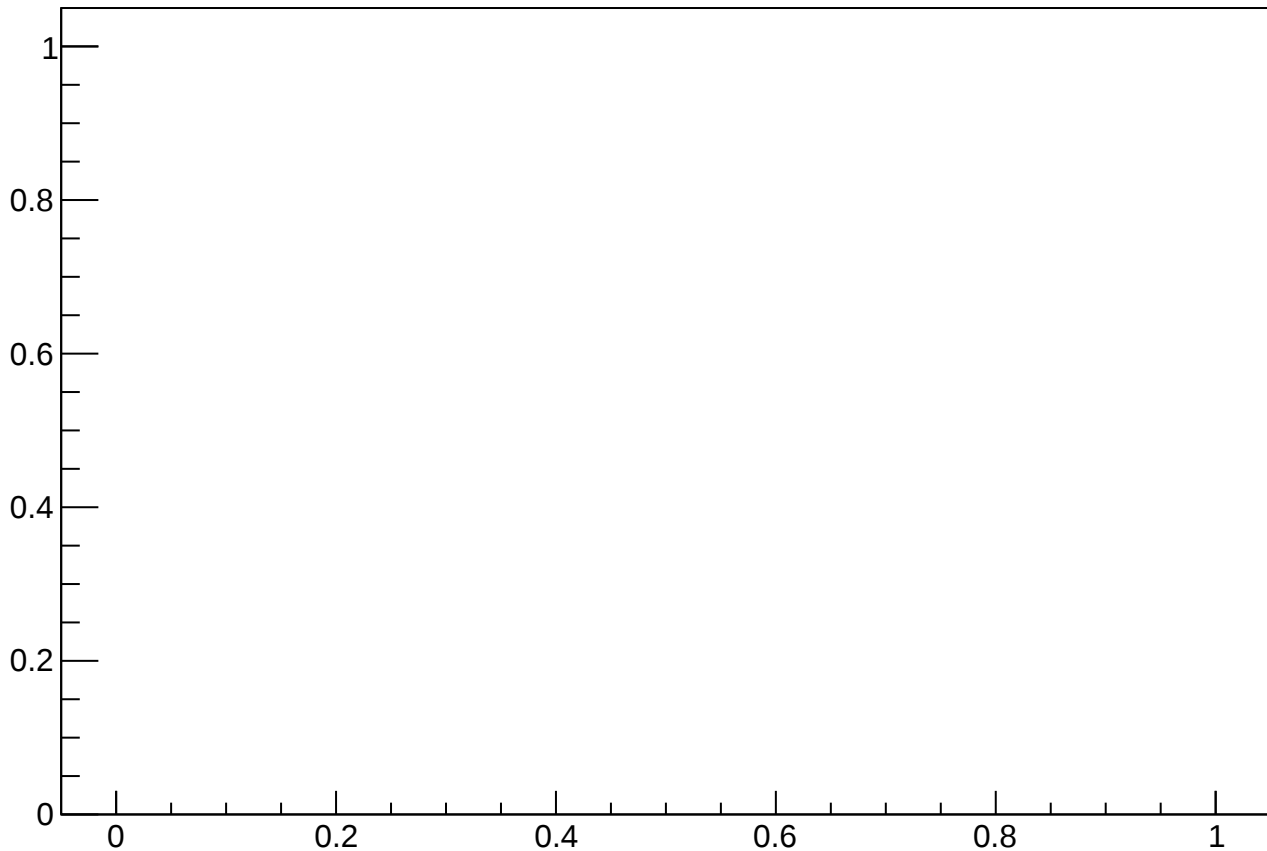
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

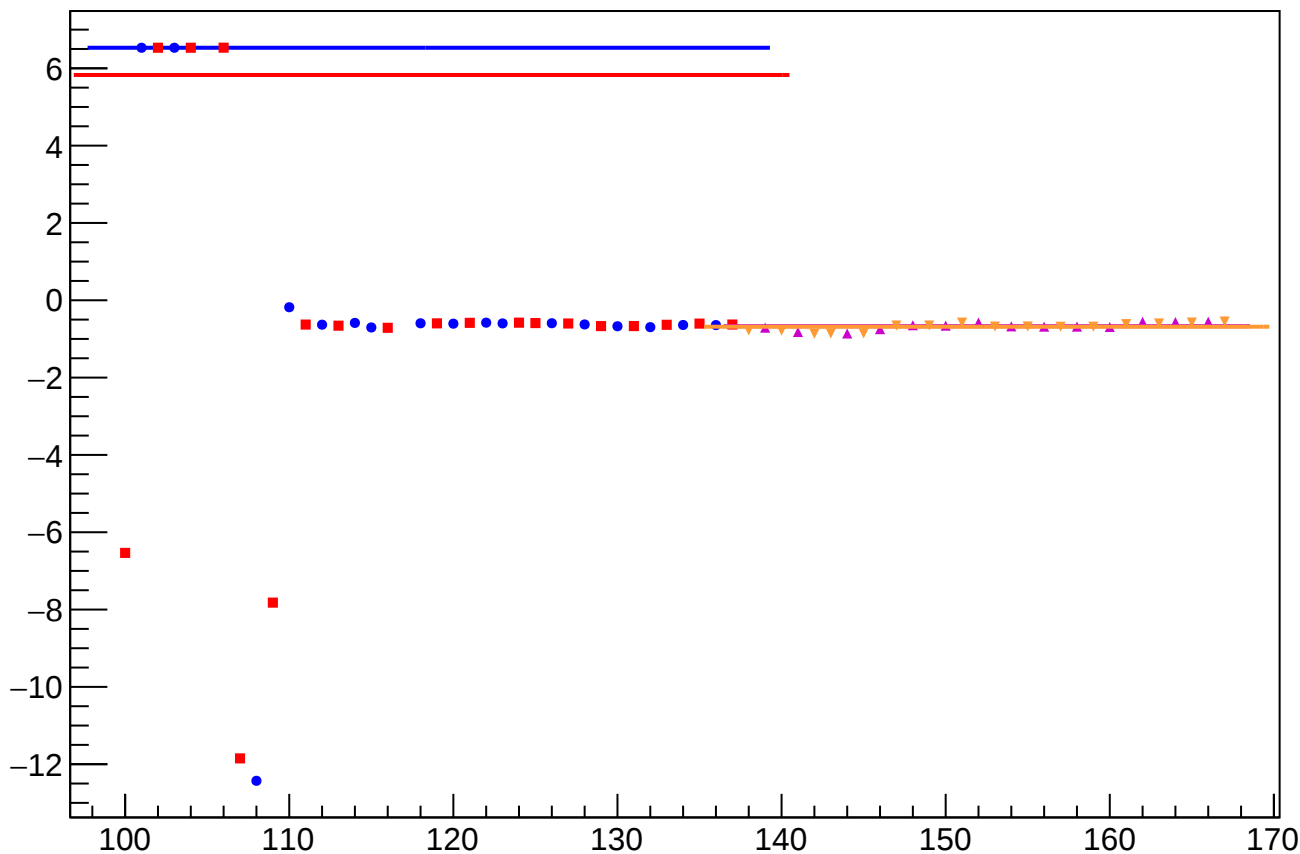
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

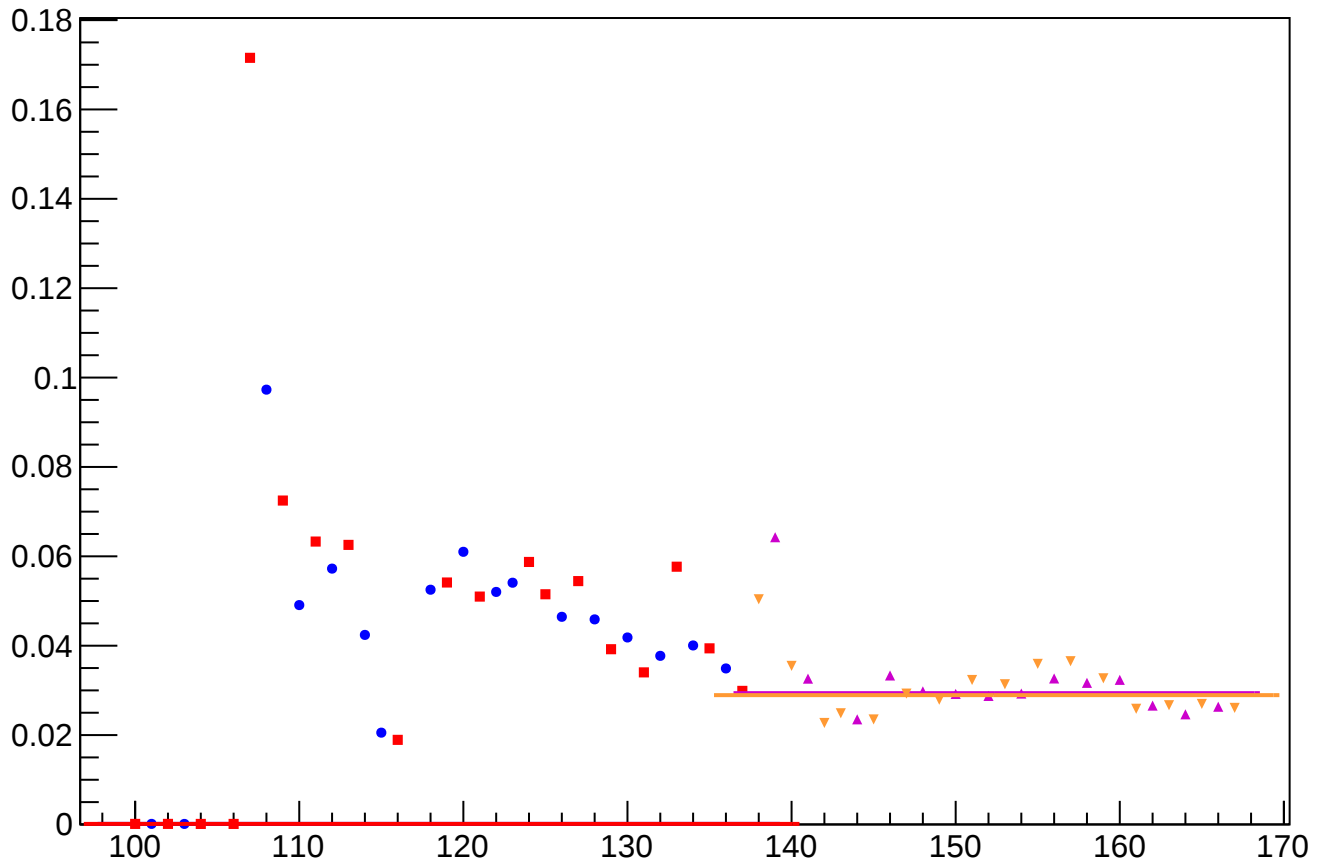
All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug



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

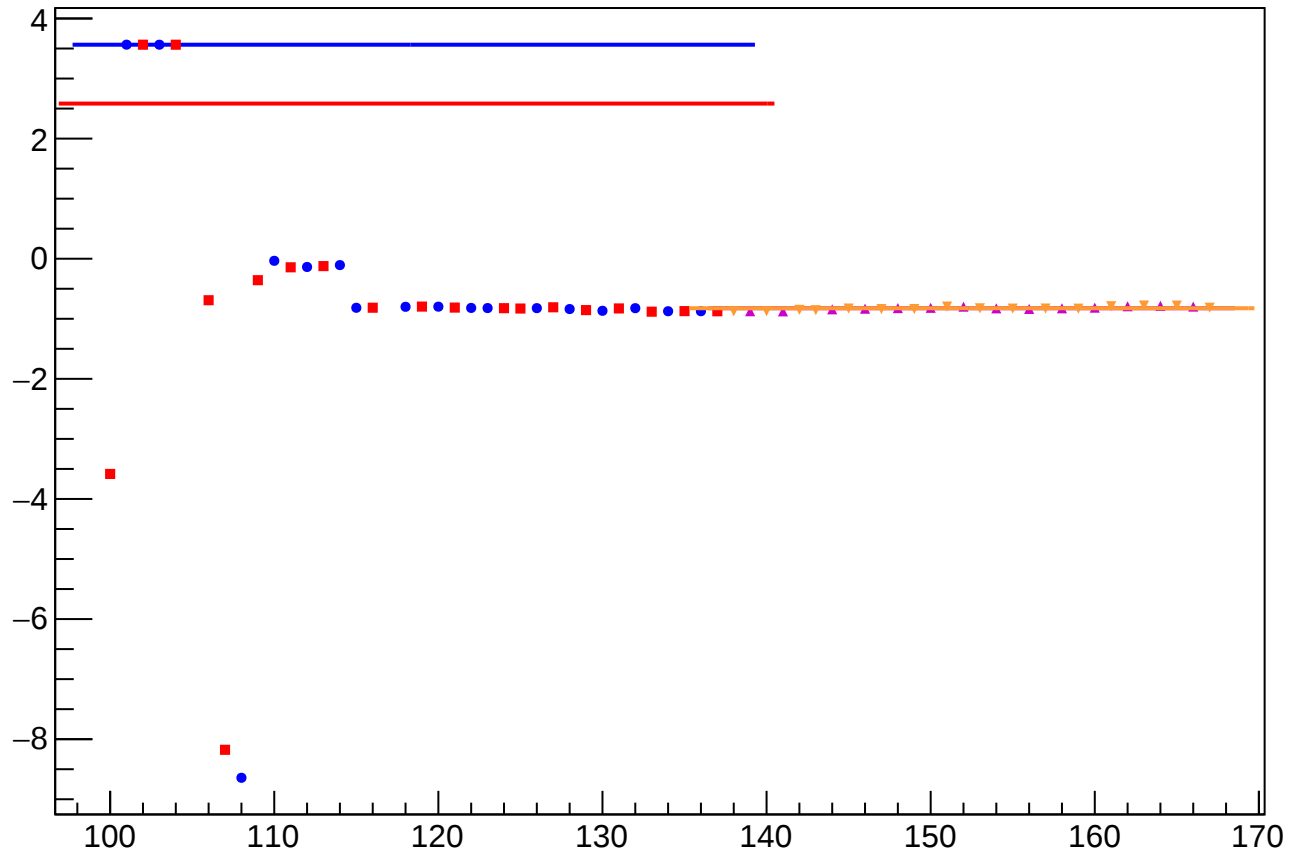
Left In: 0.029+/-0.000 χ^2/NDF :615705.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 28221159.7/32

All: 0.000+/-0.000 χ^2/NDF : 55417373.9/65

- sign 0.000+/-0.000 χ^2/NDF : 27195639.6/32

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

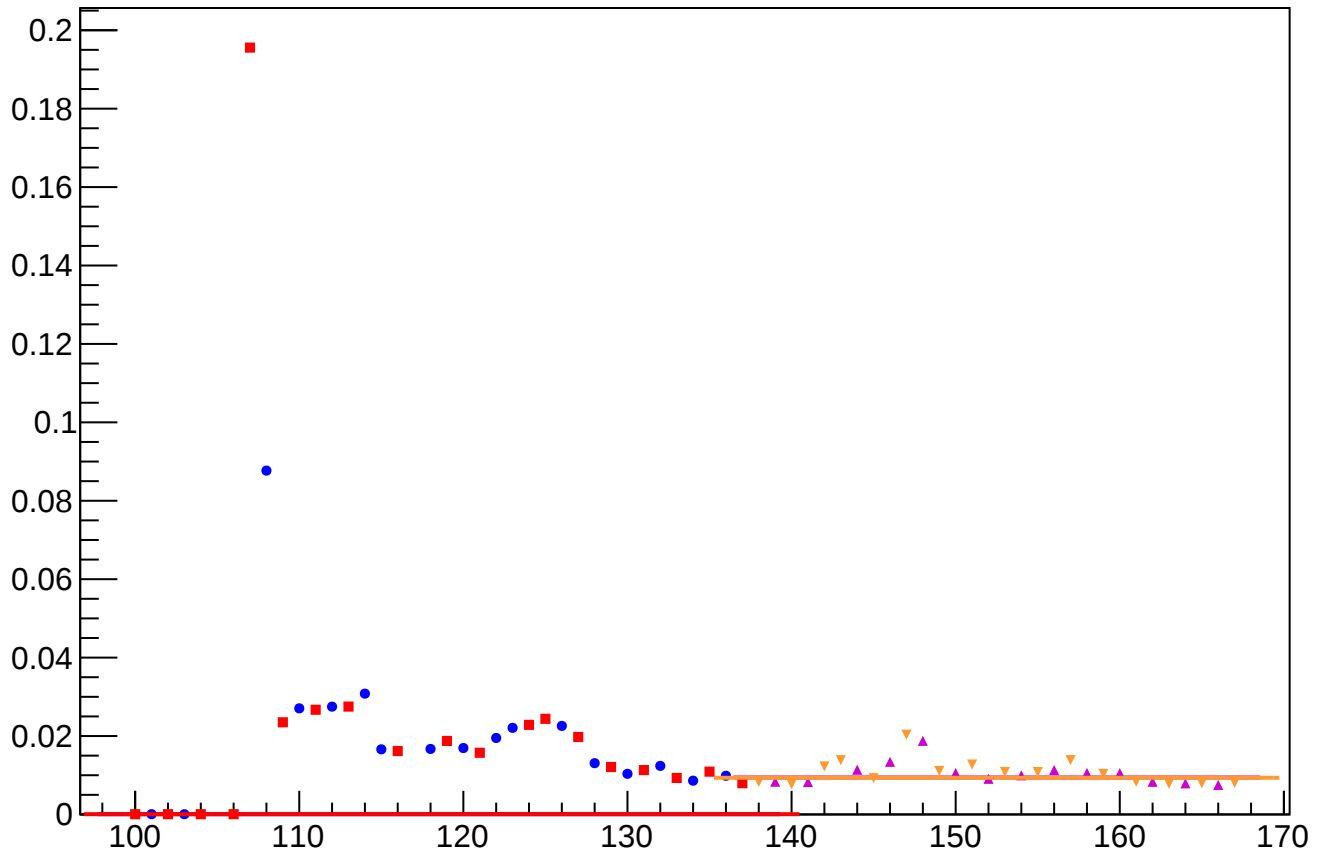
Left In: -0.824+/-0.000 χ^2/NDF : 99278319.2/13

+ sign 3.561+/-0.000 χ^2/NDF : 2536714111425.6/32

All: 3.039+/-0.000 χ^2/NDF : 13852842892794

- sign 2.582+/-0.000 χ^2/NDF : 1254617948635371.2

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

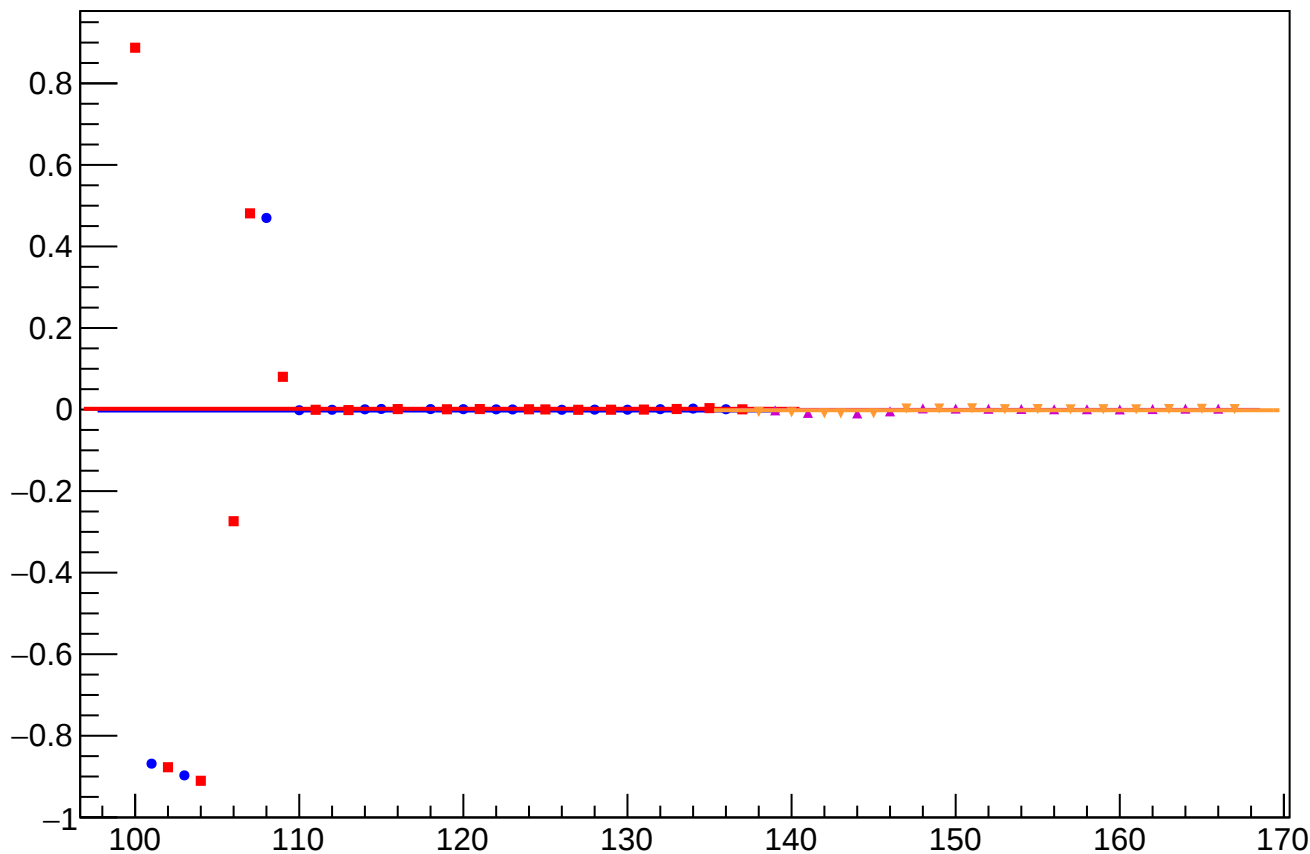
Left In: 0.009+/-0.000 χ^2/NDF :746421.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 29202401.3/32

All: 0.000+/-0.000 χ^2/NDF : 56649201.0/65

- sign 0.000+/-0.000 χ^2/NDF : 27445900.5/32

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

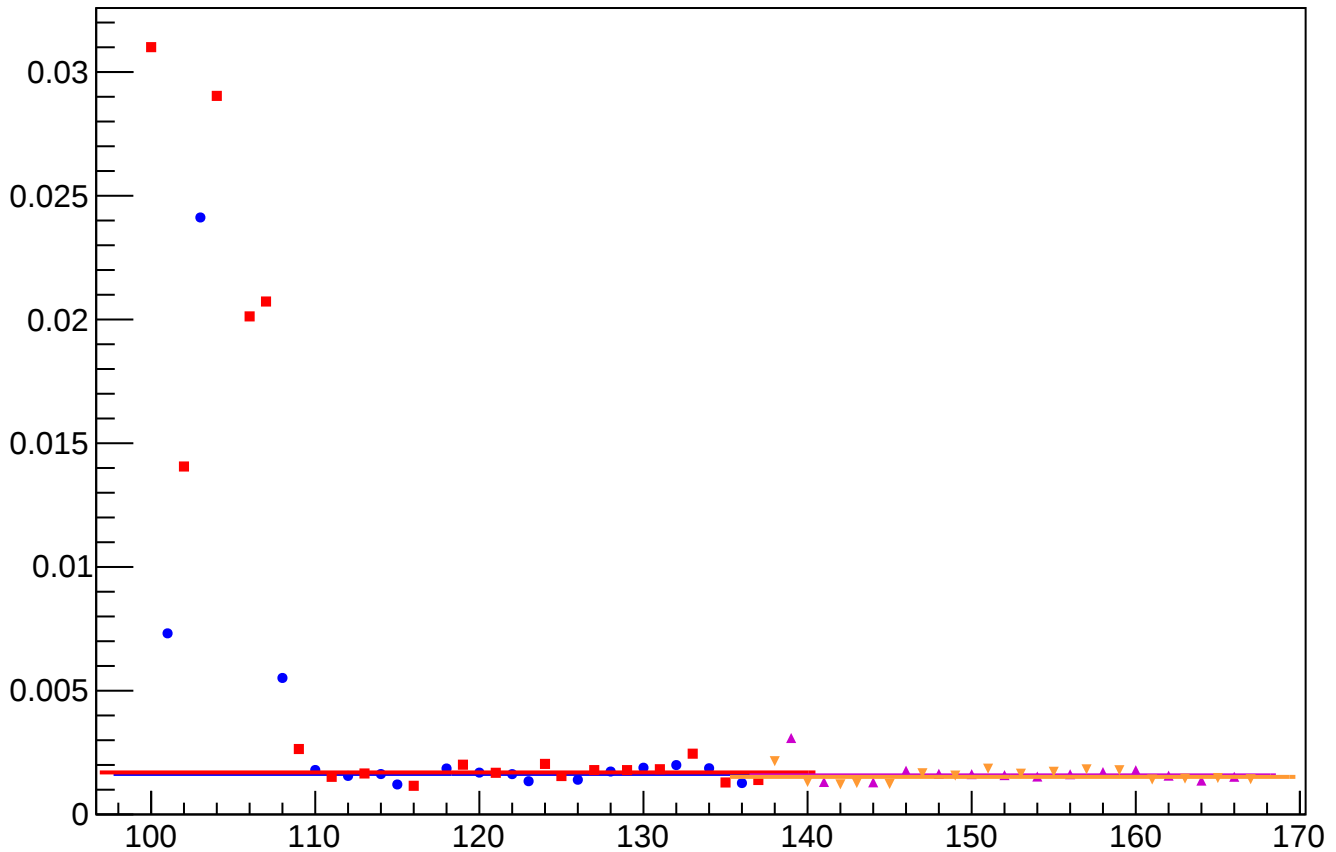
Left In: -0.001 ± 0.000 χ^2/NDF : 65485997.5/13

+ sign -0.002 ± 0.000 χ^2/NDF : 9887359417.9/32

All: -0.001 ± 0.000 χ^2/NDF : 13011065818.4/32

- sign -0.000 ± 0.000 χ^2/NDF : 3114741790.5/32

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

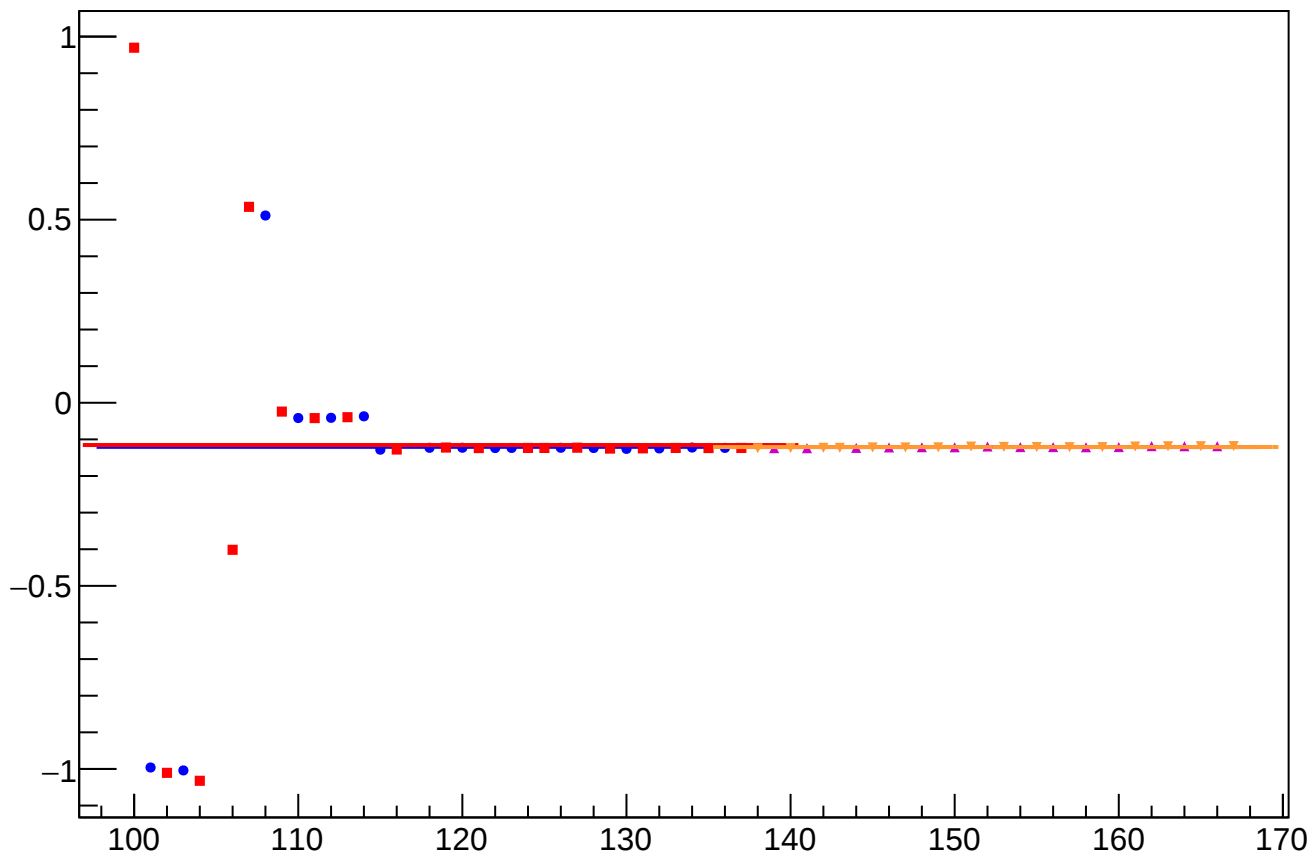
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:522124.7/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2377269.1/32

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5974547.1/65

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3576301.7/32

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

+ sign -0.121+/-0.000 χ^2/NDF : 3964156538.4/32

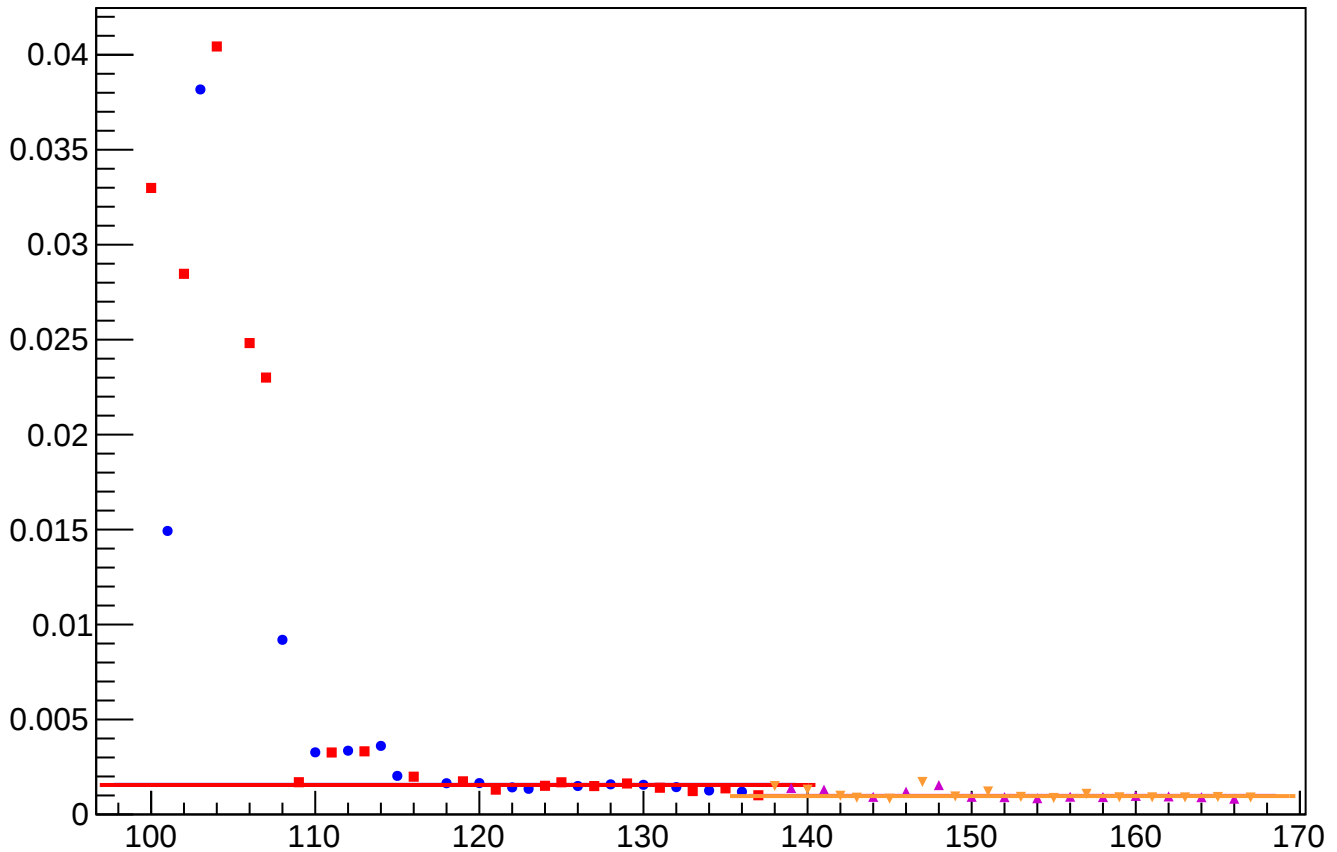
Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

All: -0.120+/-0.000 χ^2/NDF : 6500894670.6/6

- sign -0.120+/-0.000 χ^2/NDF : 2533242531.1/32

Left In: -0.121+/-0.000 χ^2/NDF : 28135898.8/13

yield_cav4cY_rms vs Slug



Right In: 0.002 ± 0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001 ± 0.000 χ^2/NDF : 727262.4/15

Right Out: 0.002 ± 0.000 χ^2/NDF : 3539455.6/18

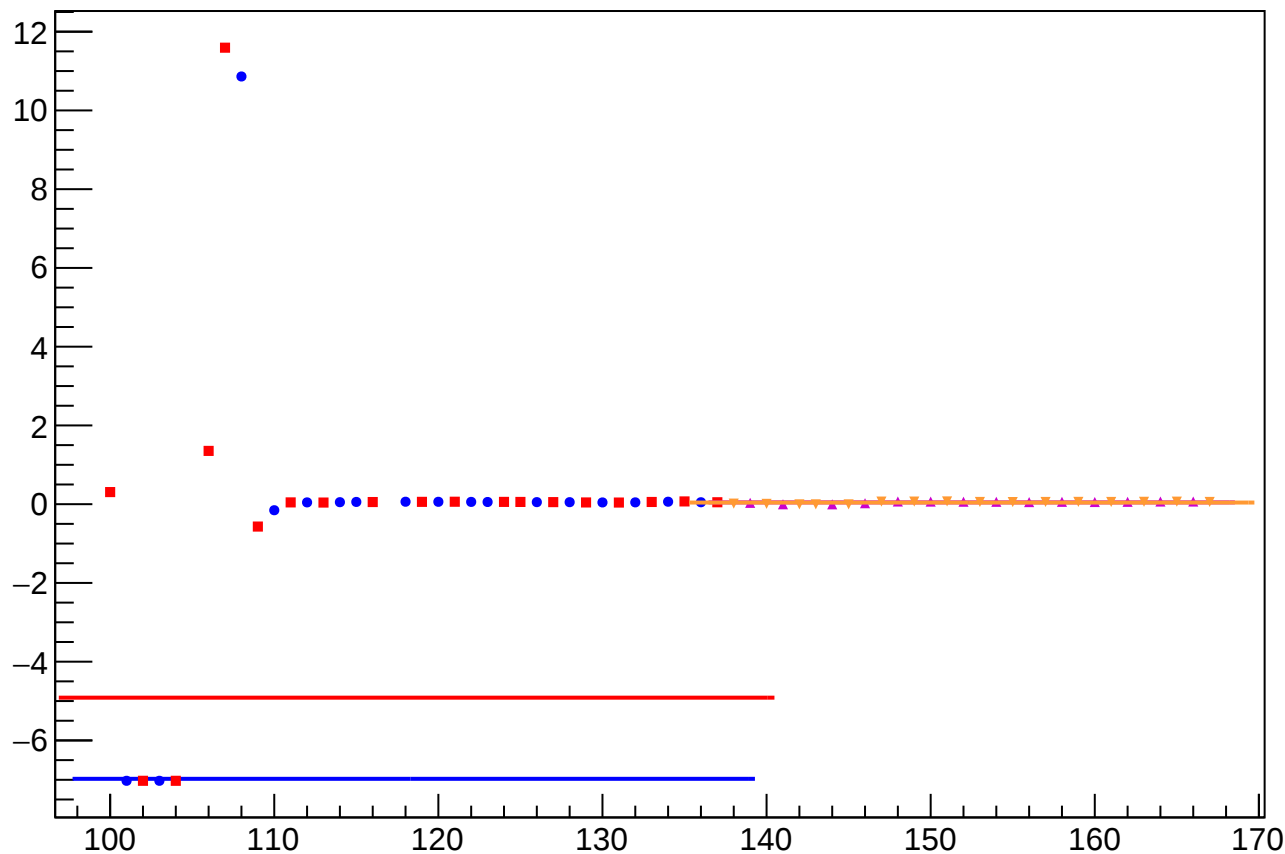
Left In: 0.001 ± 0.000 χ^2/NDF : 563661.7/13

+ sign 0.001 ± 0.000 χ^2/NDF : 4753863.3/32

All: 0.001 ± 0.000 χ^2/NDF : 9917690.5/65

- sign 0.001 ± 0.000 χ^2/NDF : 5160099.5/32

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

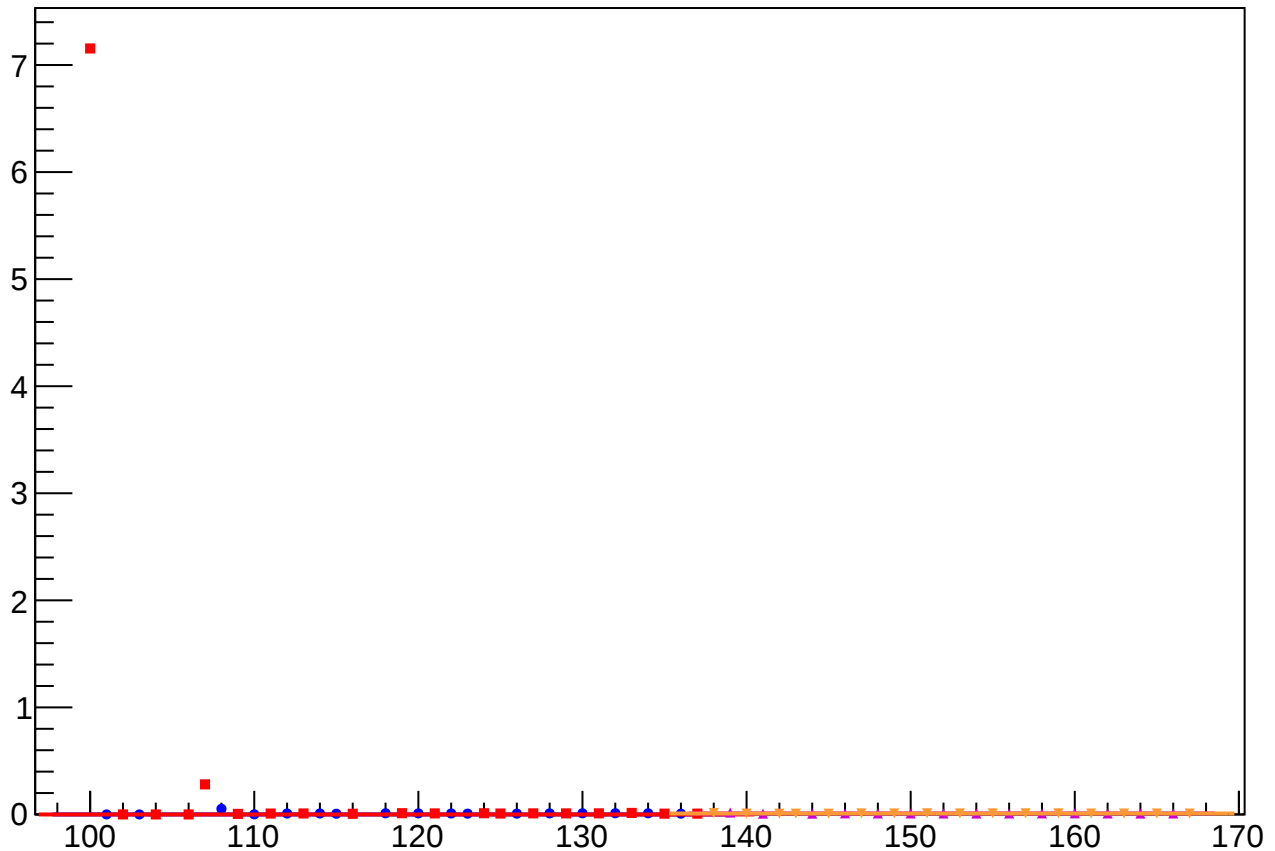
Left In: 0.046+/-0.000 χ^2 /NDF: 73308407.2/13

+ sign -6.943+/-0.000 χ^2 /NDF: 14516034262267.0/16

All: -5.875+/-0.000 χ^2 /NDF: 4379756008091.2/16

- sign -4.896+/-0.000 χ^2 /NDF: 367816402923708.7/16

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

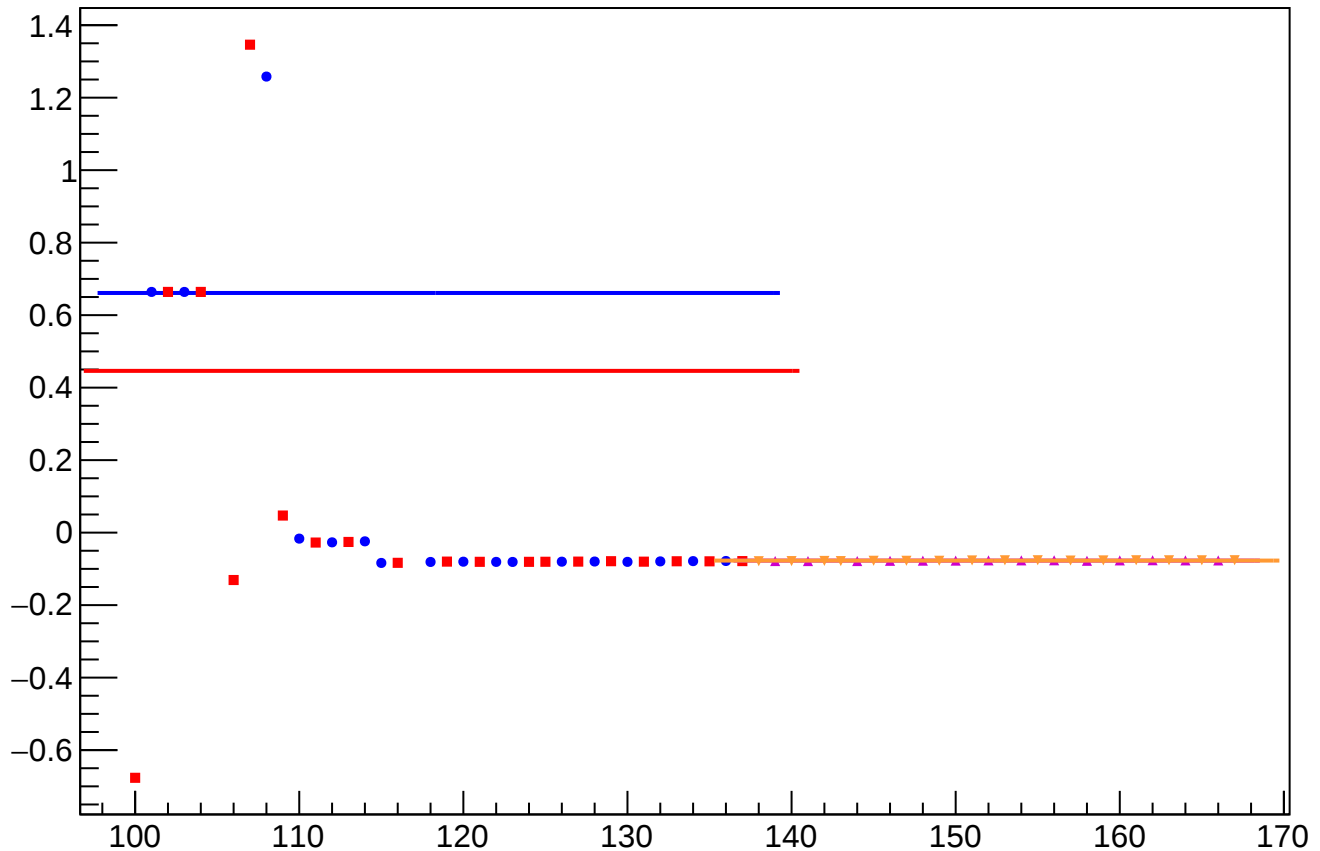
Left In: 0.009+/-0.000 χ^2/NDF : 515104.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 26733921.6/32

All: 0.000+/-0.000 χ^2/NDF : 52735937.0/65

- sign 0.000+/-0.000 χ^2/NDF : 25998901.7/32

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

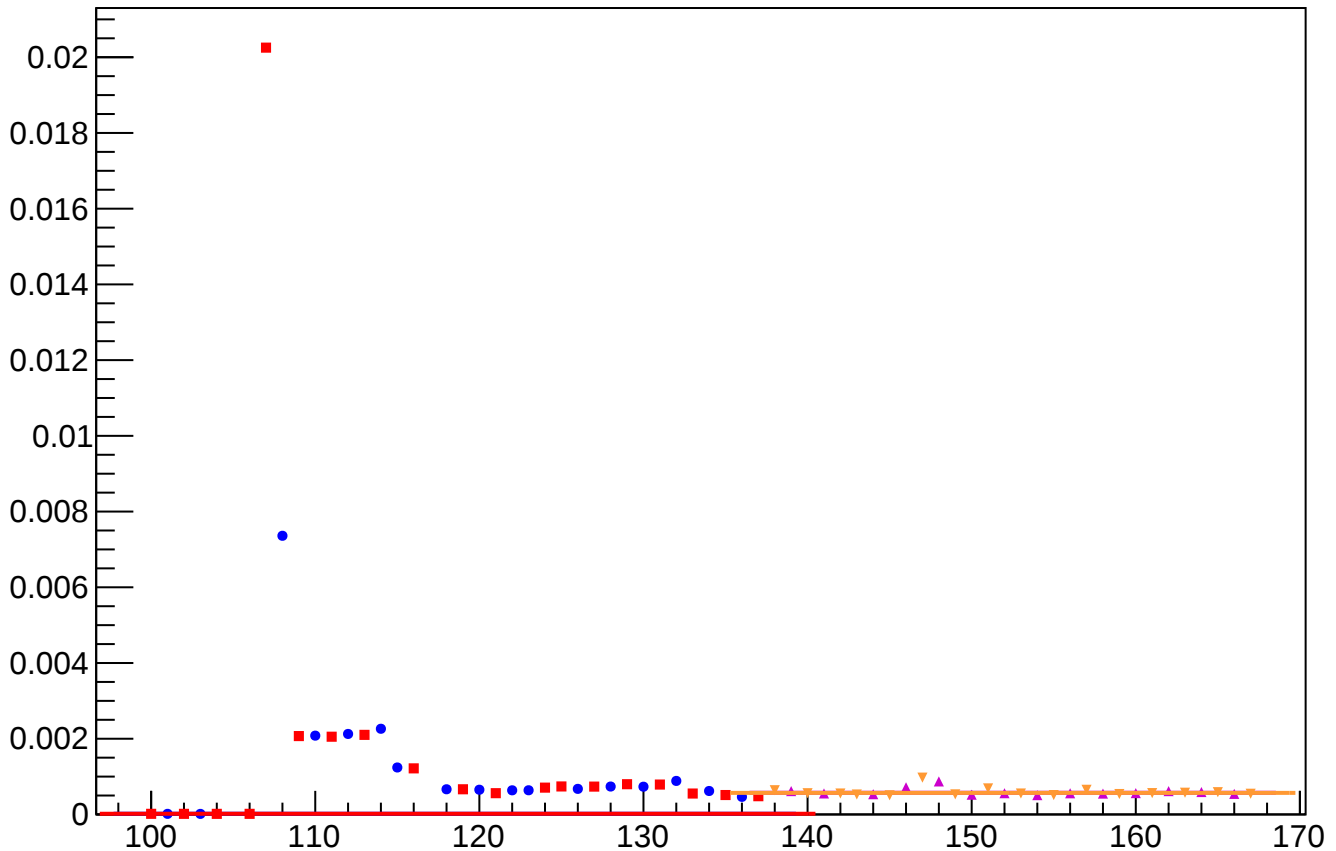
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 19999985.9/13

+ sign 0.651 $\pm$ 0.000 χ^2 /NDF: 24249693692979.0/3

All: 0.541 $\pm$ 0.000 χ^2 /NDF: 49956042282423

- sign 0.441 $\pm$ 0.000 χ^2 /NDF: 413951782220993.8/

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

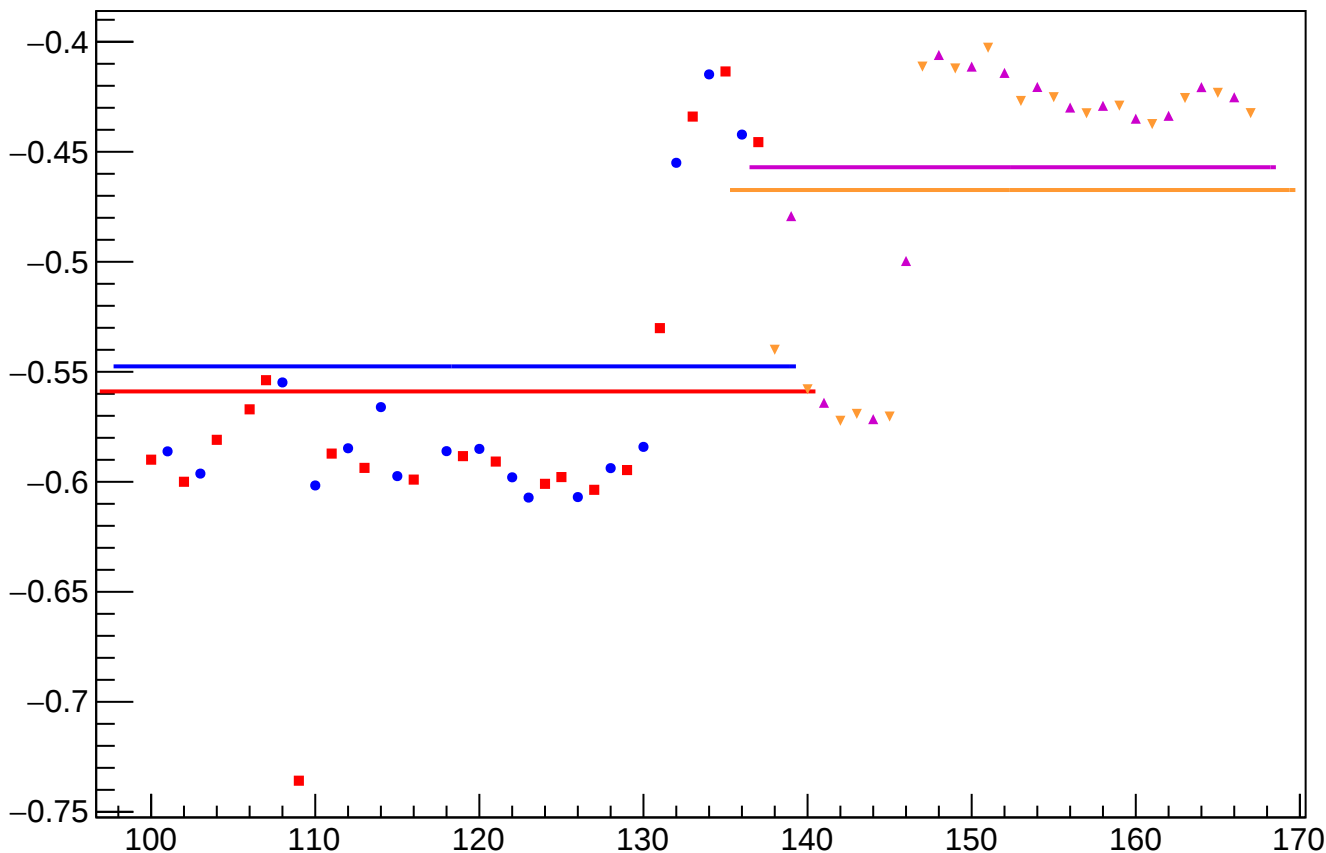
Left In: 0.001+/-0.000 χ^2/NDF : 315692.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 31093376.5/32

All: 0.000+/-0.000 χ^2/NDF : 60040083.8/65

- sign 0.000+/-0.000 χ^2/NDF : 28942478.5/32

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

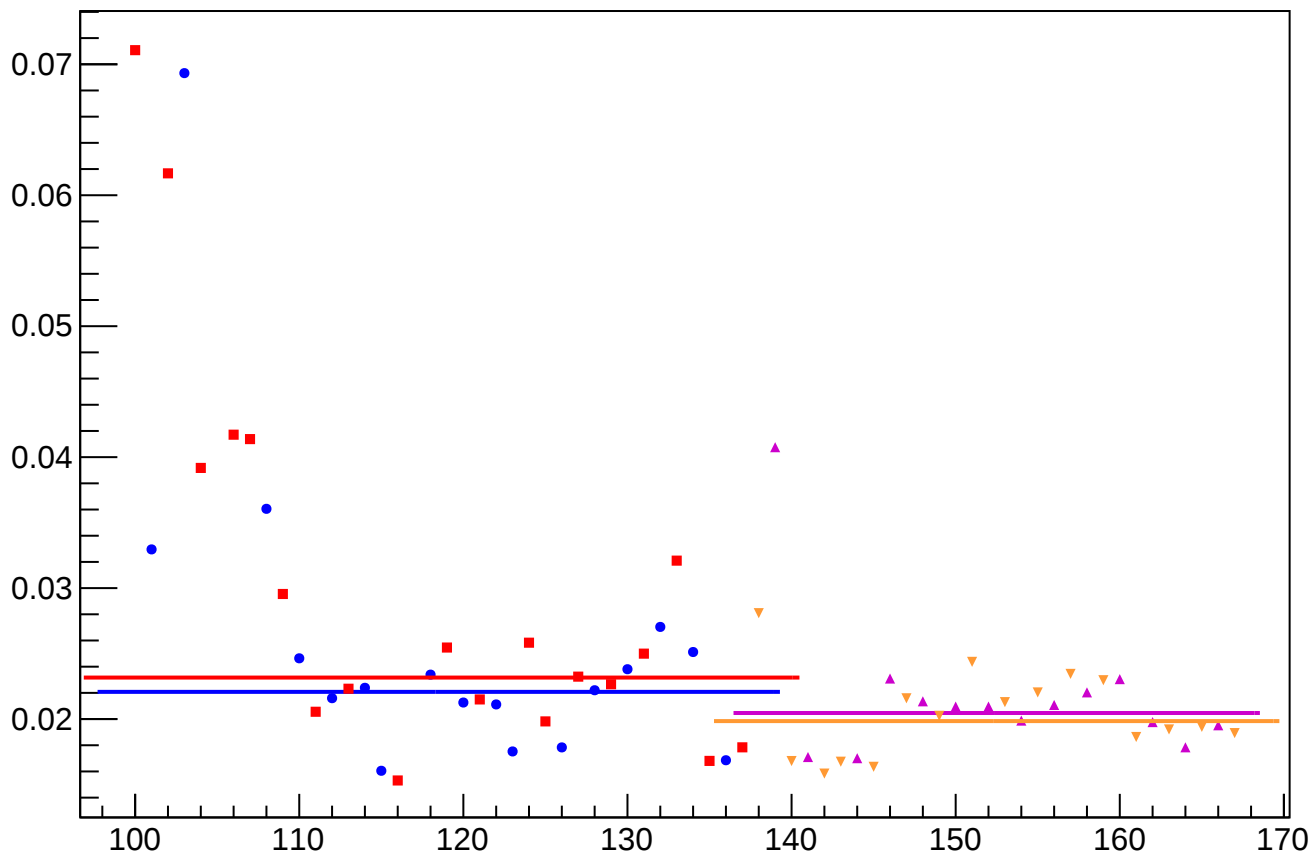
Left In: -0.457+/-0.000 χ^2/NDF : 72559064.4/13

+ sign -0.492+/-0.000 χ^2/NDF : 197216232.0/32

All: -0.491+/-0.000 χ^2/NDF : 404785399.2/65

- sign -0.490+/-0.000 χ^2/NDF : 207527860.1/32

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

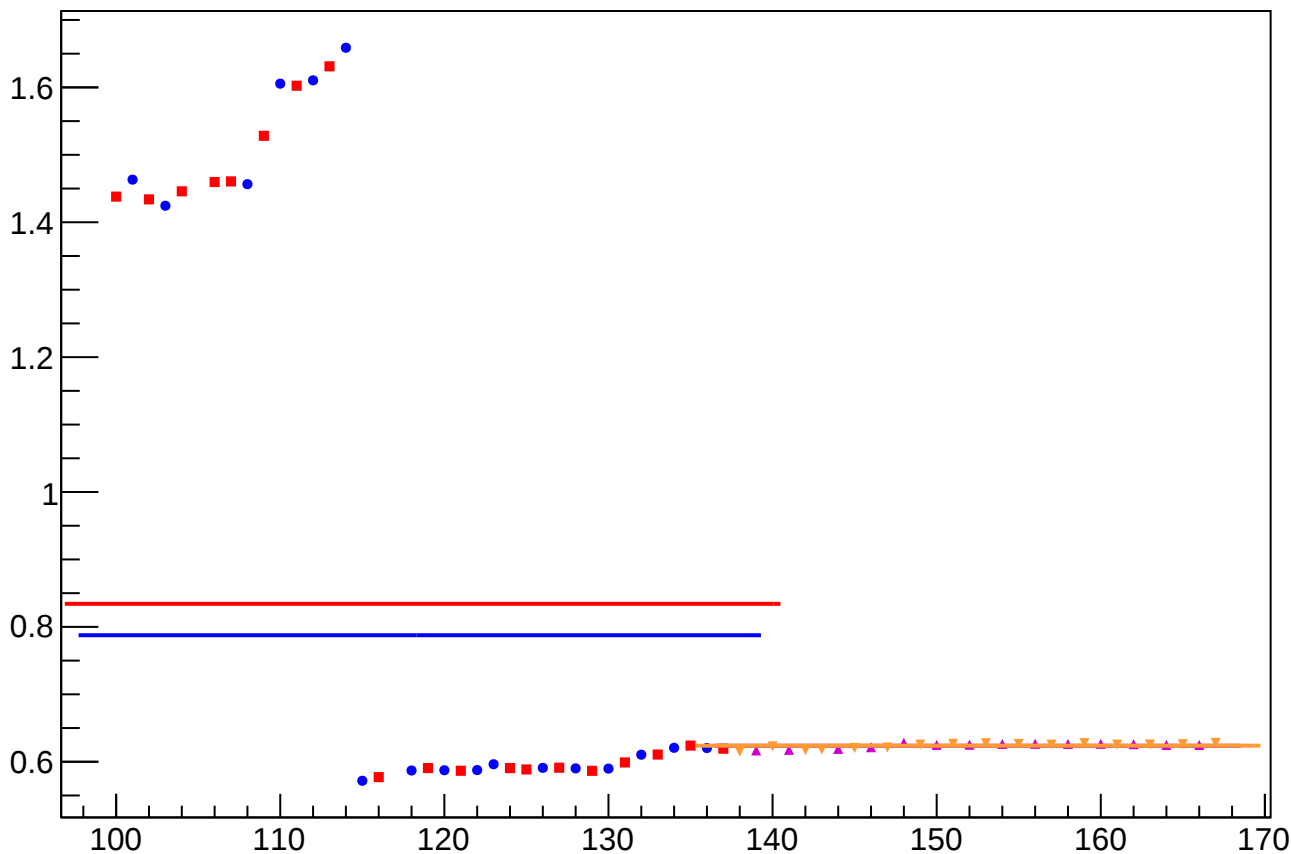
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:525340.6/13

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1423306.9/32

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3225328.9/65

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1780260.7/32

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

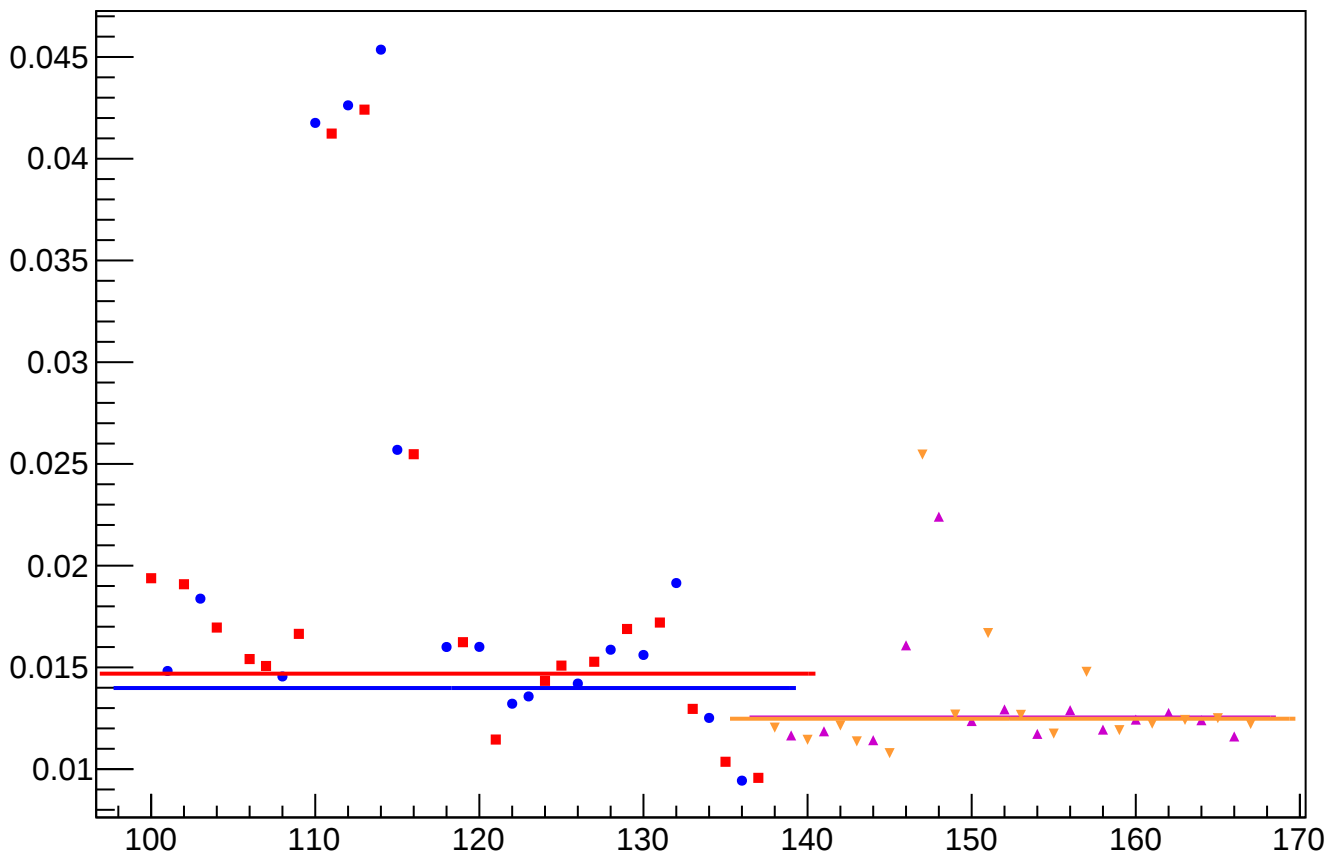
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:874280.1/13

+ sign 0.670 $\pm$ 0.000 χ^2 /NDF: 4134137768.3/32

All: 0.678 $\pm$ 0.000 χ^2 /NDF: 9166911866.7/65

- sign 0.686 $\pm$ 0.000 χ^2 /NDF: 5020801774.7/32

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

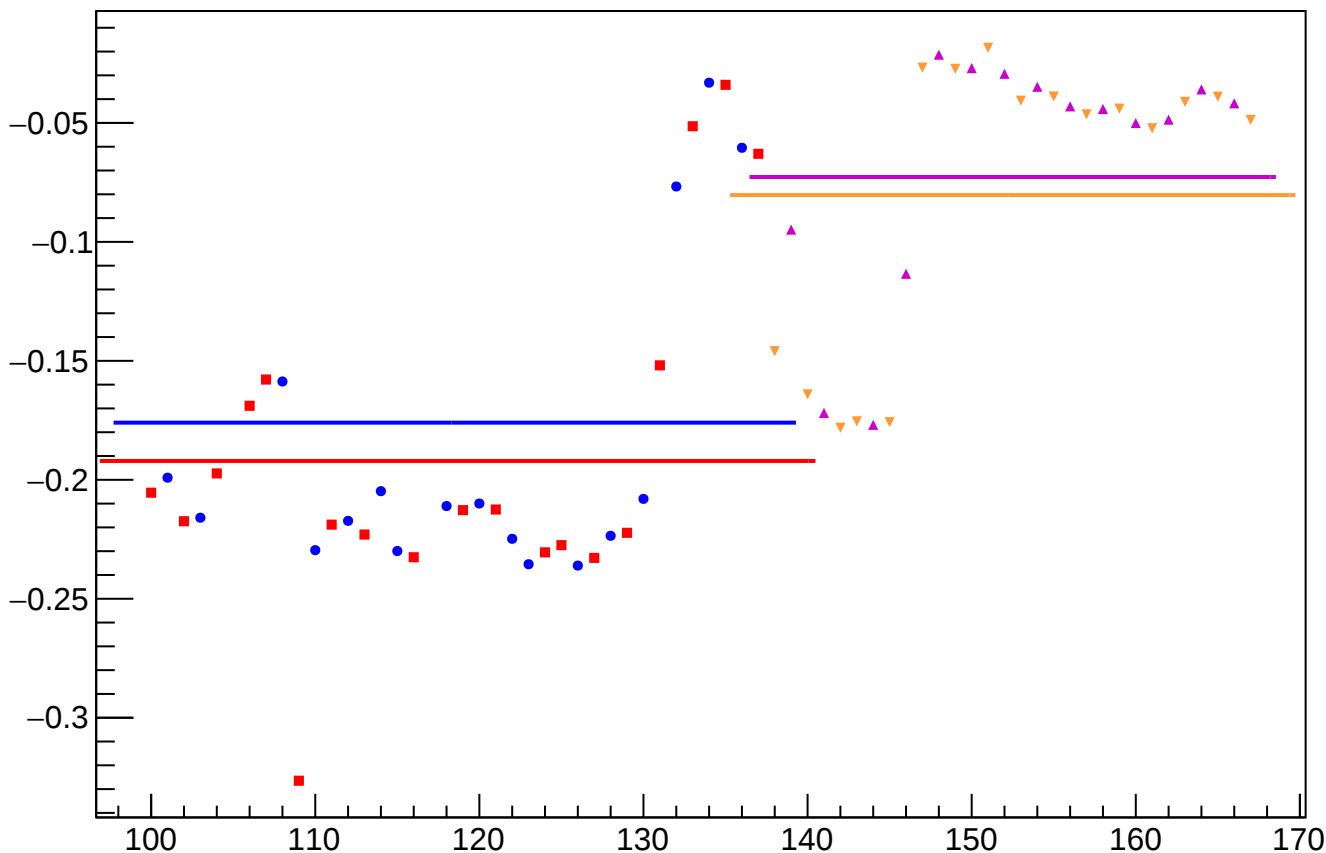
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:417343.3/13

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2081207.2/32

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3945850.6/65

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1857528.3/32

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

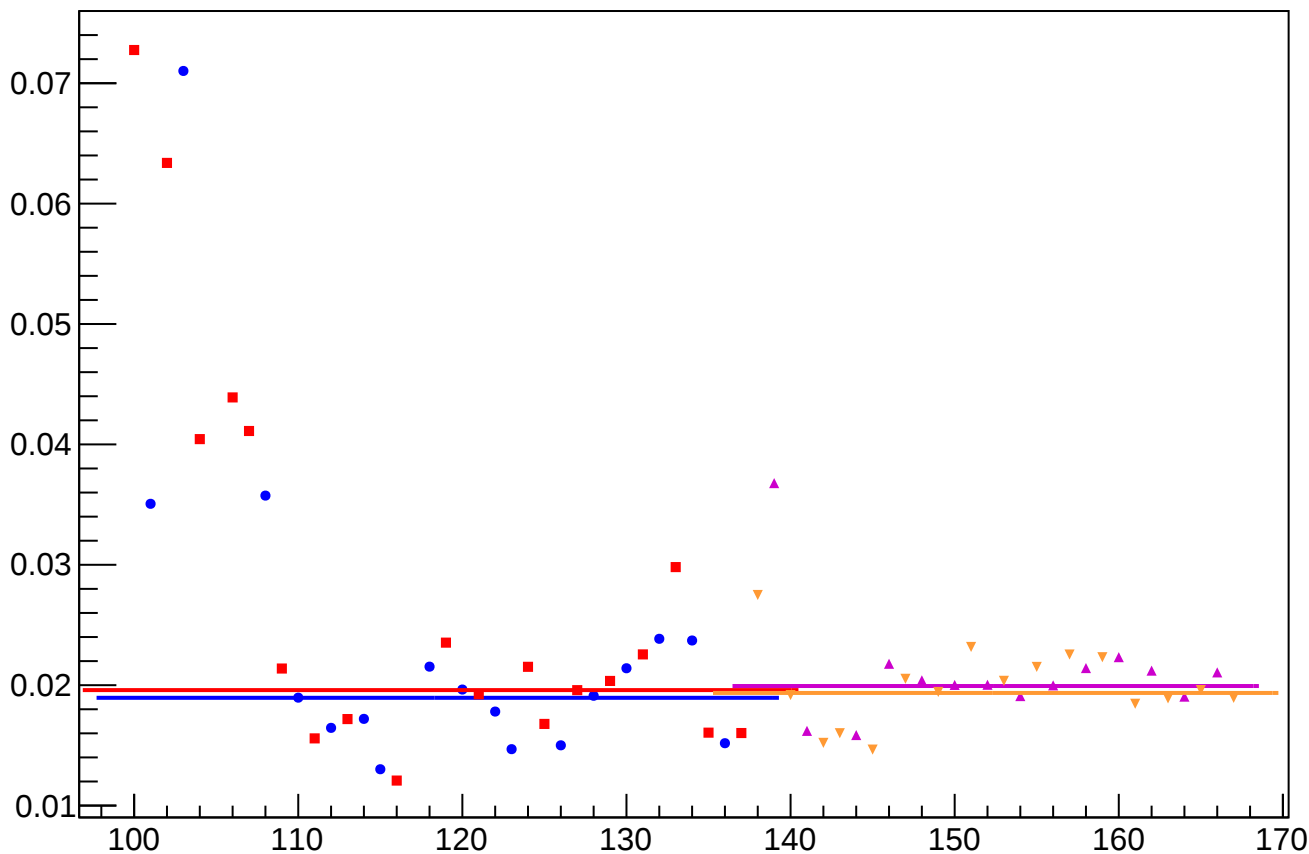
Left In: -0.073+/-0.000 χ^2 /NDF: 72856129.3/13

+ sign -0.114+/-0.000 χ^2 /NDF: 249473982.9/32

All: -0.116+/-0.000 χ^2 /NDF: 525269018.8/65

- sign -0.118+/-0.000 χ^2 /NDF: 275474708.8/32

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

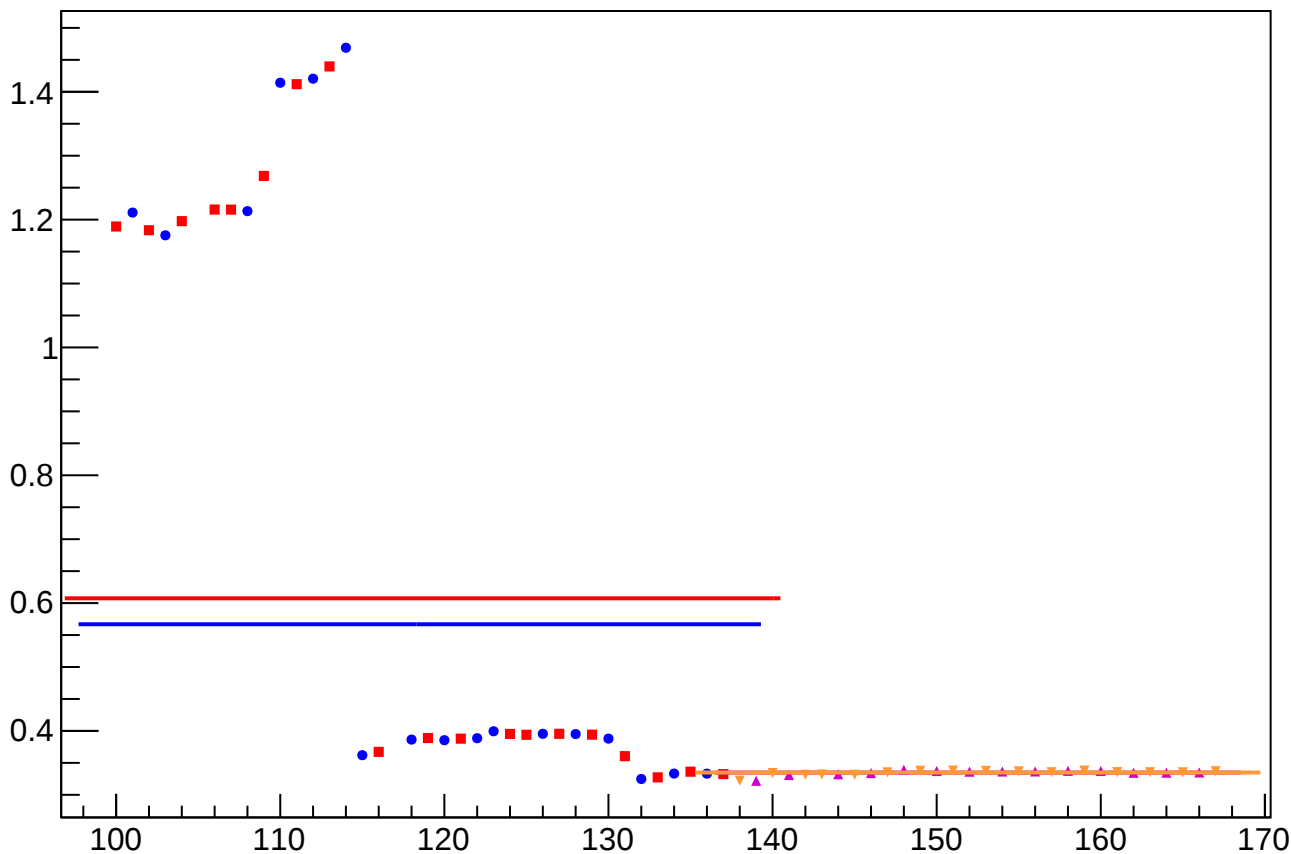
Left In: 0.020+/-0.000 χ^2/NDF : 493132.0/13

+ sign 0.019+/-0.000 χ^2/NDF : 1623937.6/32

All: 0.019+/-0.000 χ^2/NDF : 3587228.5/65

- sign 0.020+/-0.000 χ^2/NDF : 1950379.4/32

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

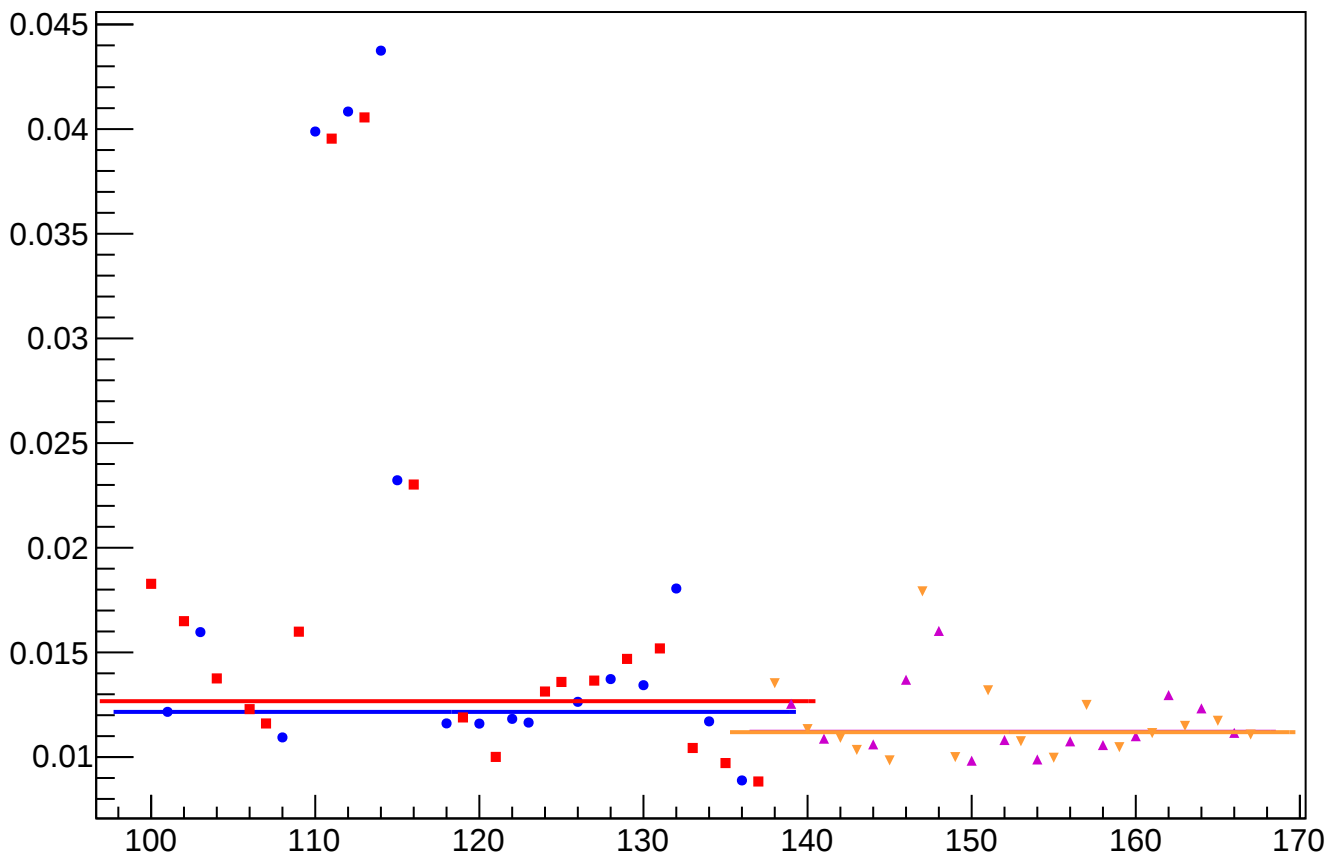
Left In: 0.335+/-0.000 χ^2/NDF :1151098.7/13

+ sign 0.404+/-0.000 χ^2/NDF : 6452597964.8/32

All: 0.411+/-0.000 χ^2/NDF : 13858212607.6/64

- sign 0.419+/-0.000 χ^2/NDF : 7391348078.1/32

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

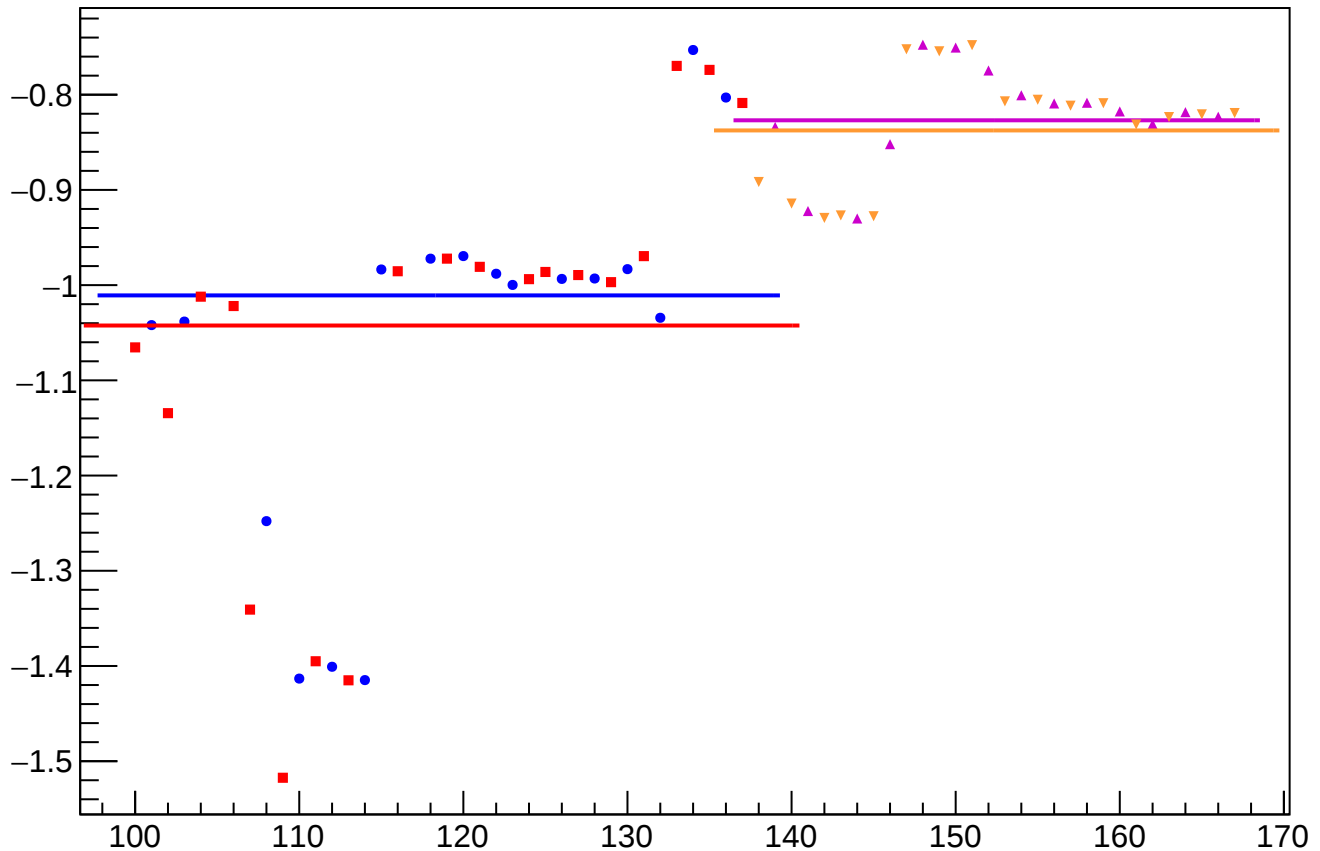
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:321521.8/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1756739.1/32

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3457788.2/65

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1696941.2/32

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

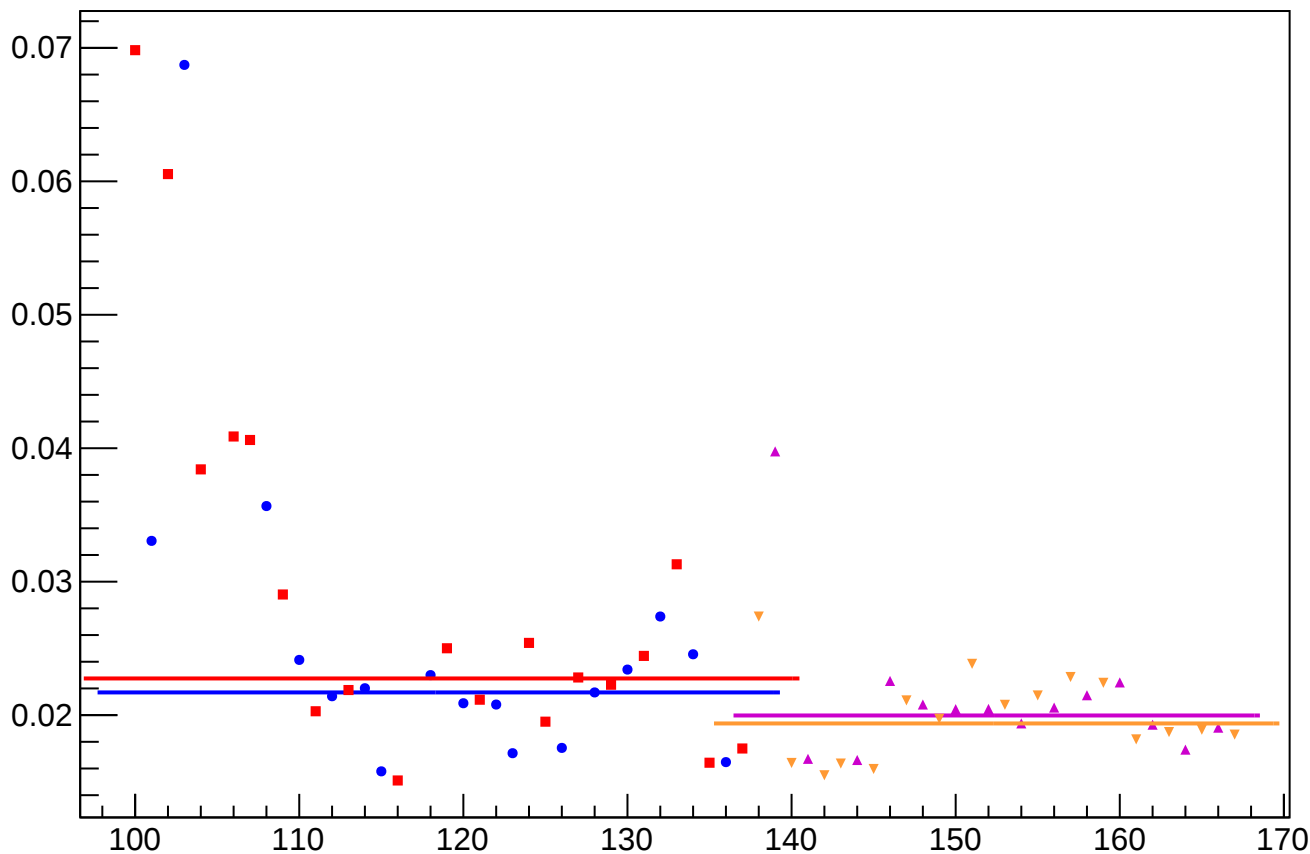
Left In: -0.827 ± 0.000 χ^2/NDF : 70172114.0/13

+ sign -0.889 ± 0.000 χ^2/NDF : 705711556.8/32

All: -0.892 ± 0.000 χ^2/NDF : 1629553426.6/6

- sign -0.896 ± 0.000 χ^2/NDF : 923094843.3/32

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 979293.5/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 394317.1/15$

Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1152332.6/18$

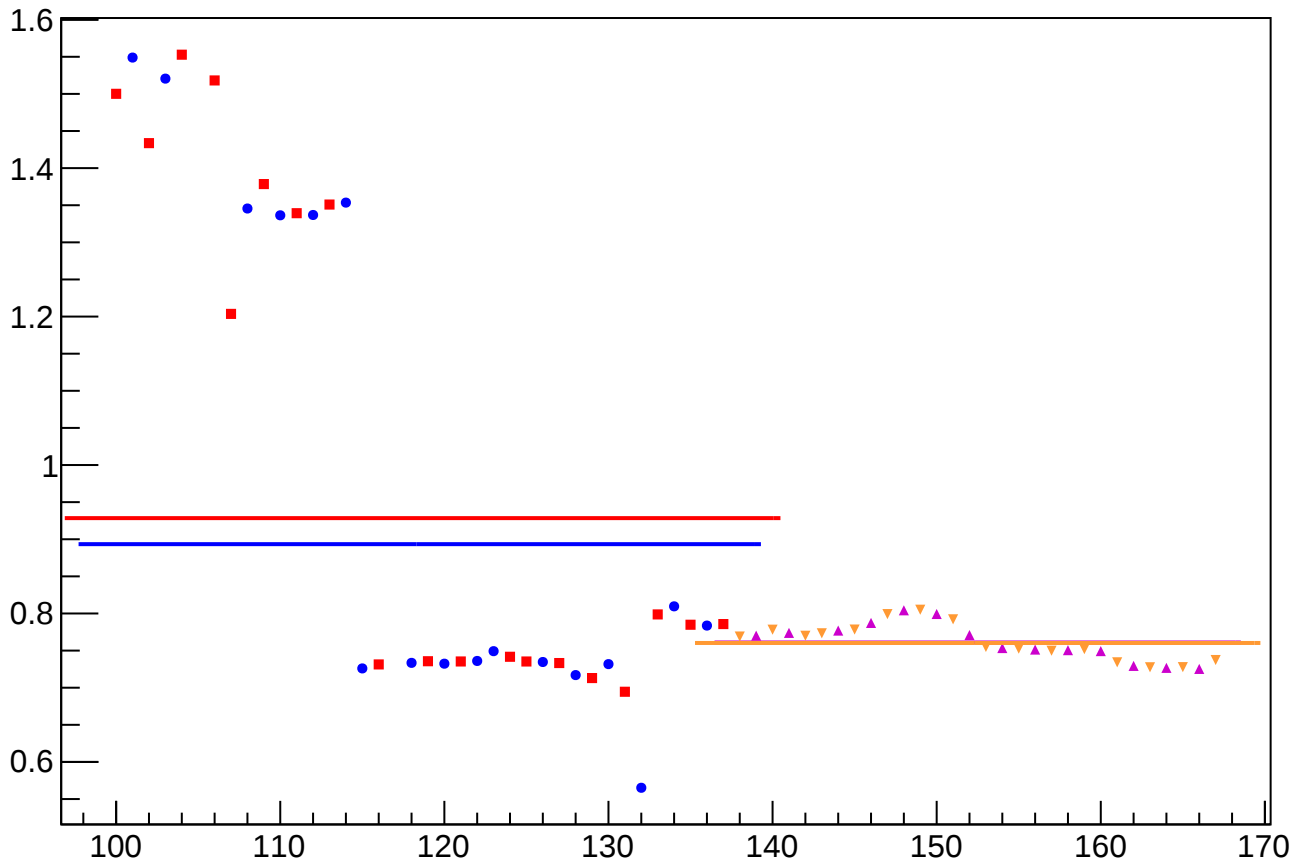
Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 522241.0/13$

+ sign 0.020 ± 0.000 $\chi^2/\text{NDF}: 1454705.8/32$

All: 0.020 ± 0.000 $\chi^2/\text{NDF}: 3257799.9/65$

- sign 0.021 ± 0.000 $\chi^2/\text{NDF}: 1781892.6/32$

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

+ sign 0.797 $\pm$ 0.000 χ^2 /NDF: 2798464000.7/32

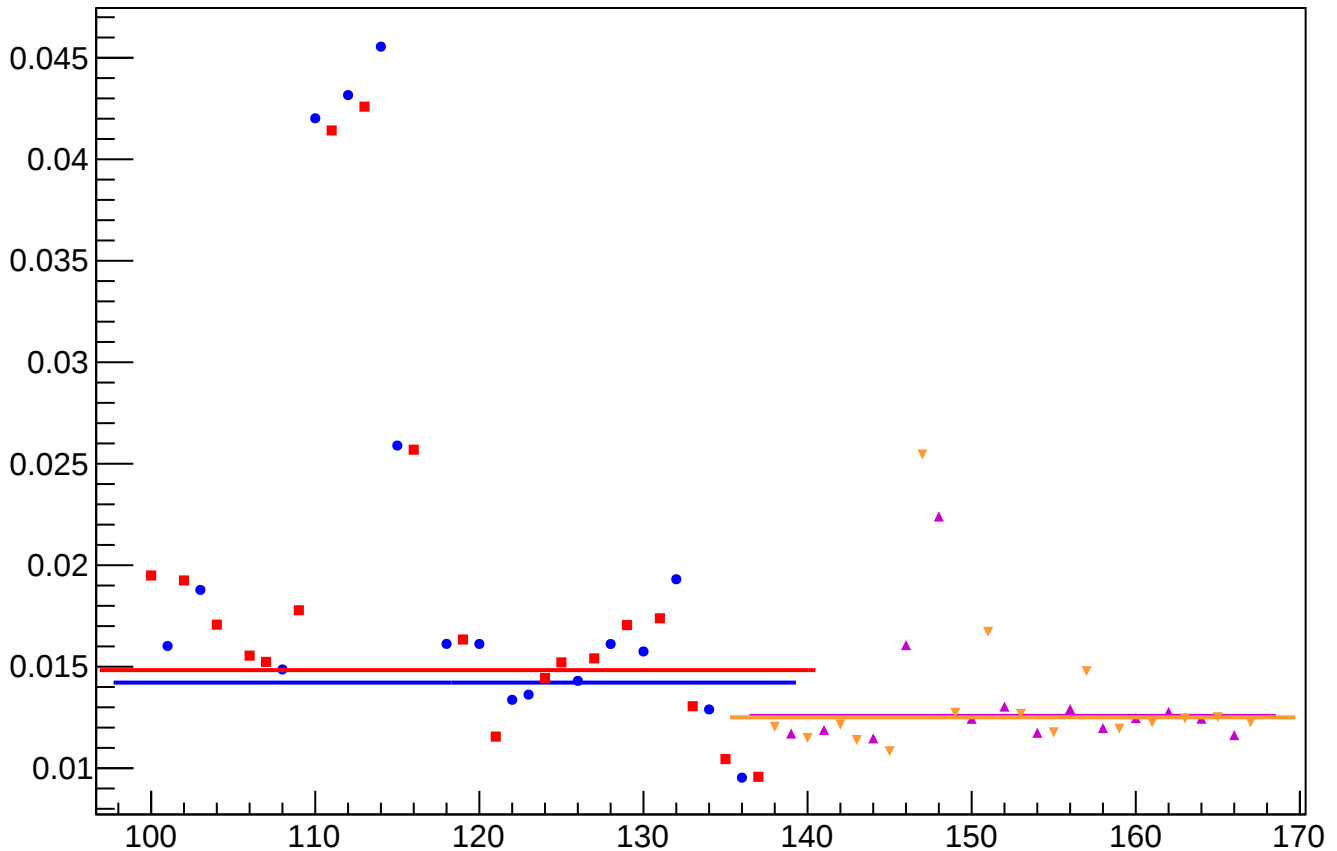
Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2435640156.0/18

All: 0.803 $\pm$ 0.000 χ^2 /NDF: 5814135628.0/65

Left In: 0.761 $\pm$ 0.000 χ^2 /NDF: 32516732.4/13

- sign 0.810 $\pm$ 0.000 χ^2 /NDF: 3007770368.9/32

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

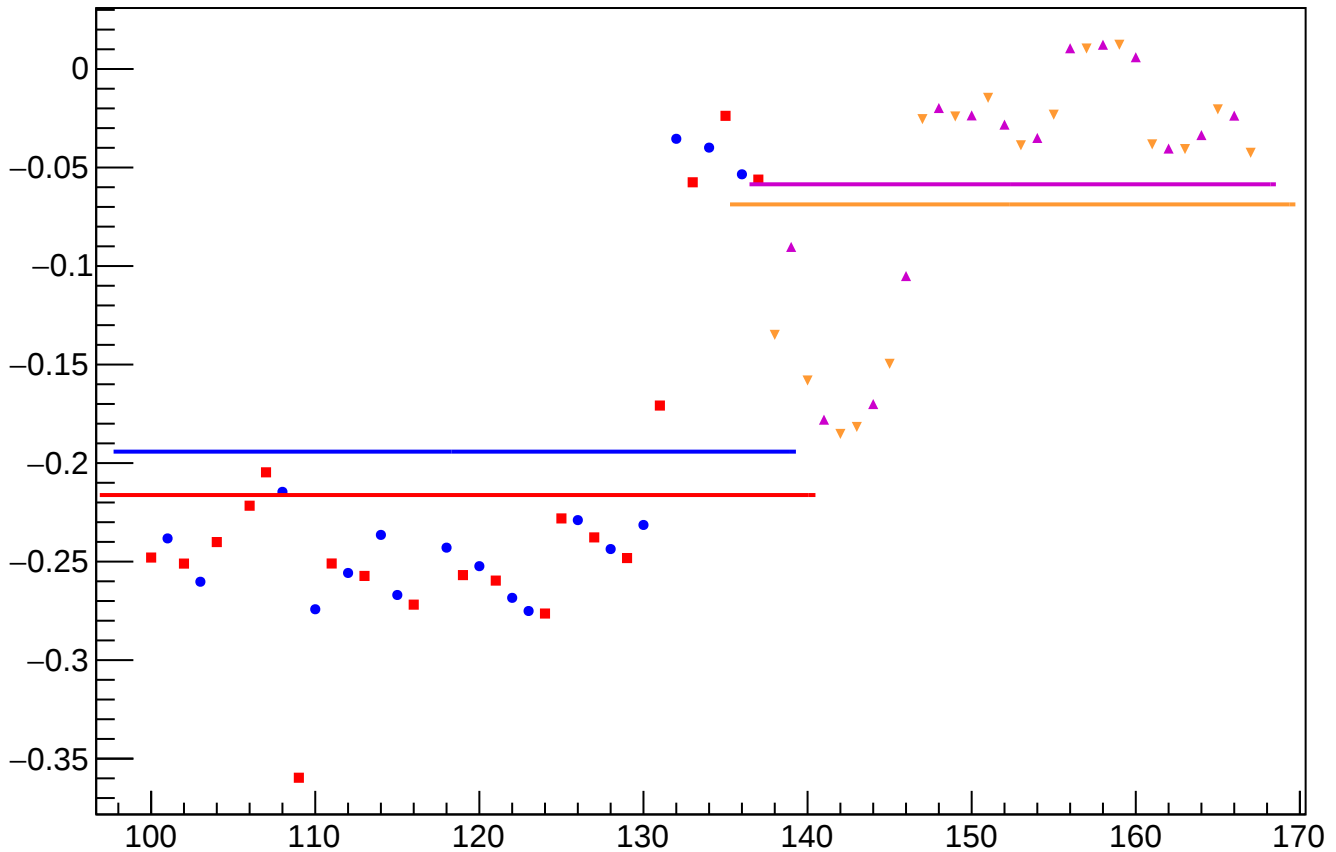
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:413105.6/13

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2111256.9/32

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3996000.9/65

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1878395.1/32

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

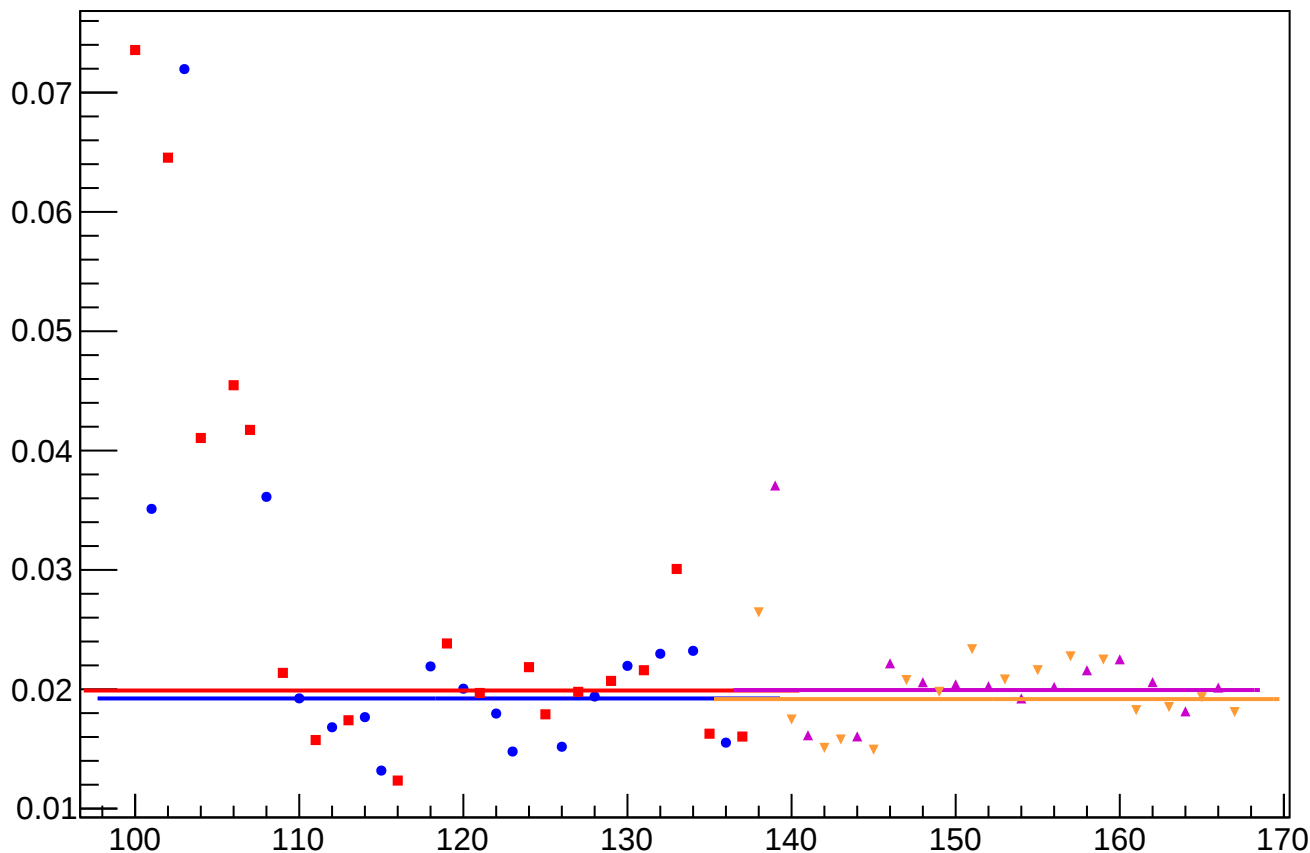
Left In: -0.059+/-0.000 χ^2/NDF : 96694987.1/13

+ sign -0.112+/-0.000 χ^2/NDF : 361823929.9/32

All: -0.114+/-0.000 χ^2/NDF : 773866419.2/65

- sign -0.117+/-0.000 χ^2/NDF : 411421577.7/32

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

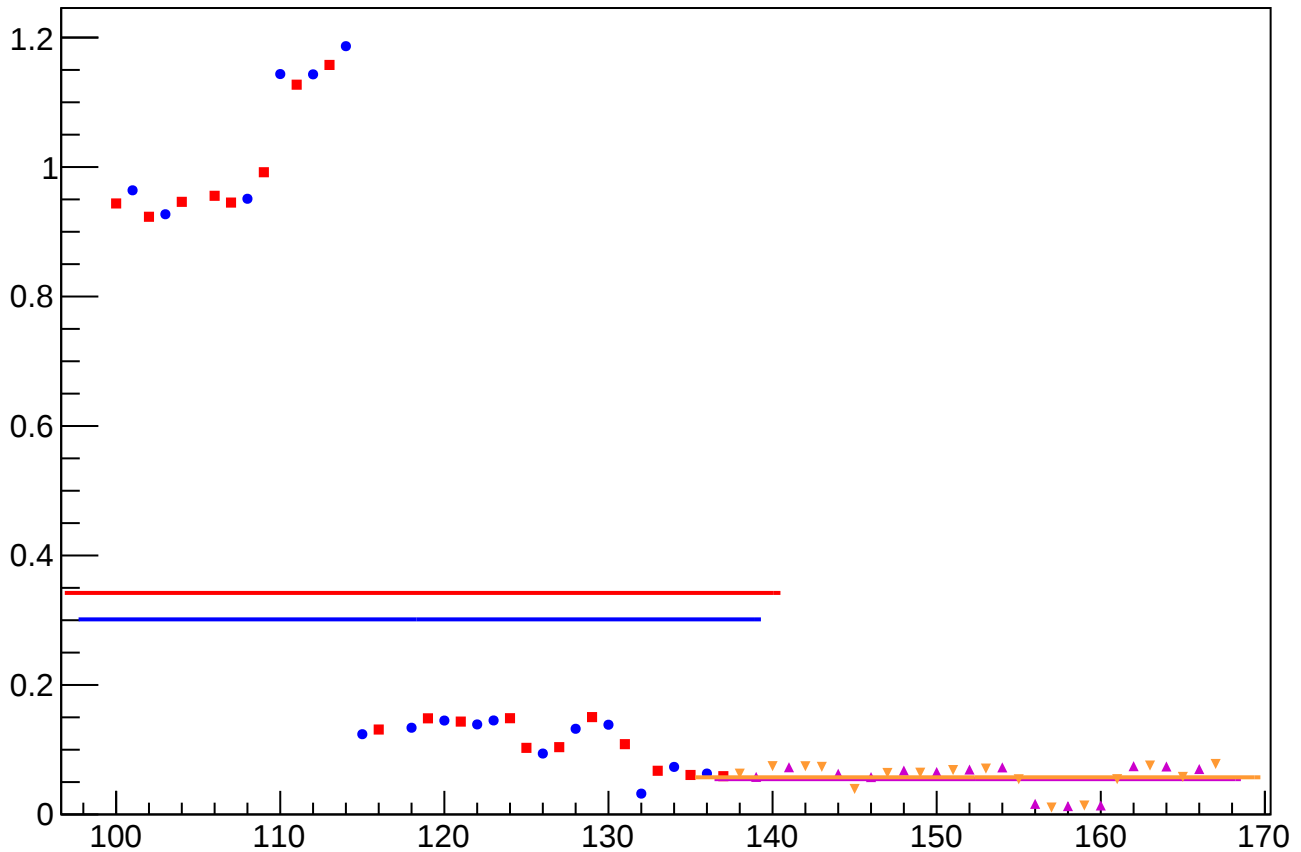
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 501253.7/13

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1600410.9/32

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3565600.1/65

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1945721.9/32

yield_bpm4ecY_mean vs Slug



Right In: 0.301 ± 0.000 $\chi^2/\text{NDF}: 5154791073.8/16$

Left Out: 0.057 ± 0.000 $\chi^2/\text{NDF}: 40315064.5/15$

Right Out: 0.342 ± 0.000 $\chi^2/\text{NDF}: 5442717599.3/18$

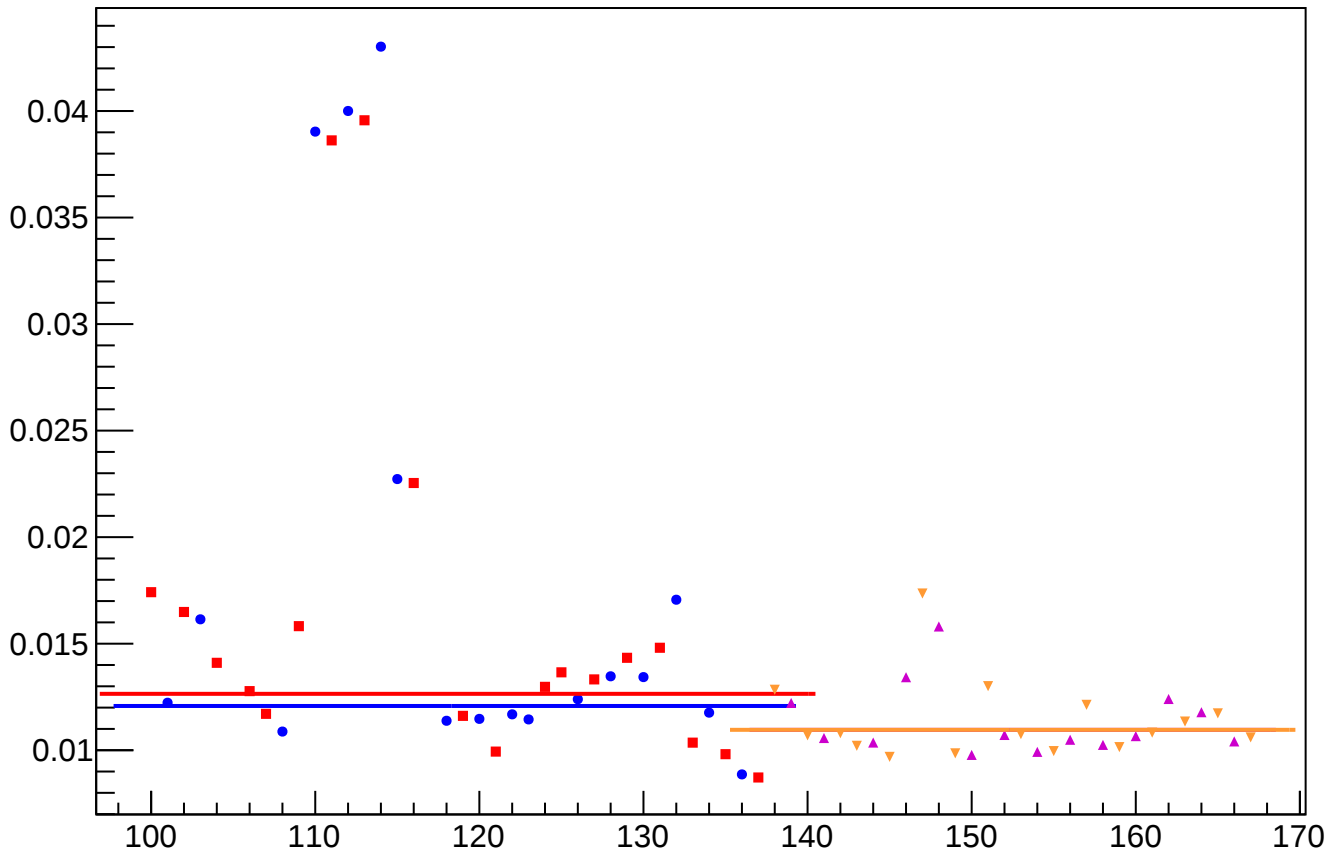
Left In: 0.055 ± 0.000 $\chi^2/\text{NDF}: 48439003.2/13$

+ sign 0.128 ± 0.000 $\chi^2/\text{NDF}: 6818598523.6/32$

All: 0.134 ± 0.000 $\chi^2/\text{NDF}: 14451599442.2/64$

- sign 0.141 ± 0.000 $\chi^2/\text{NDF}: 7622911245.8/32$

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

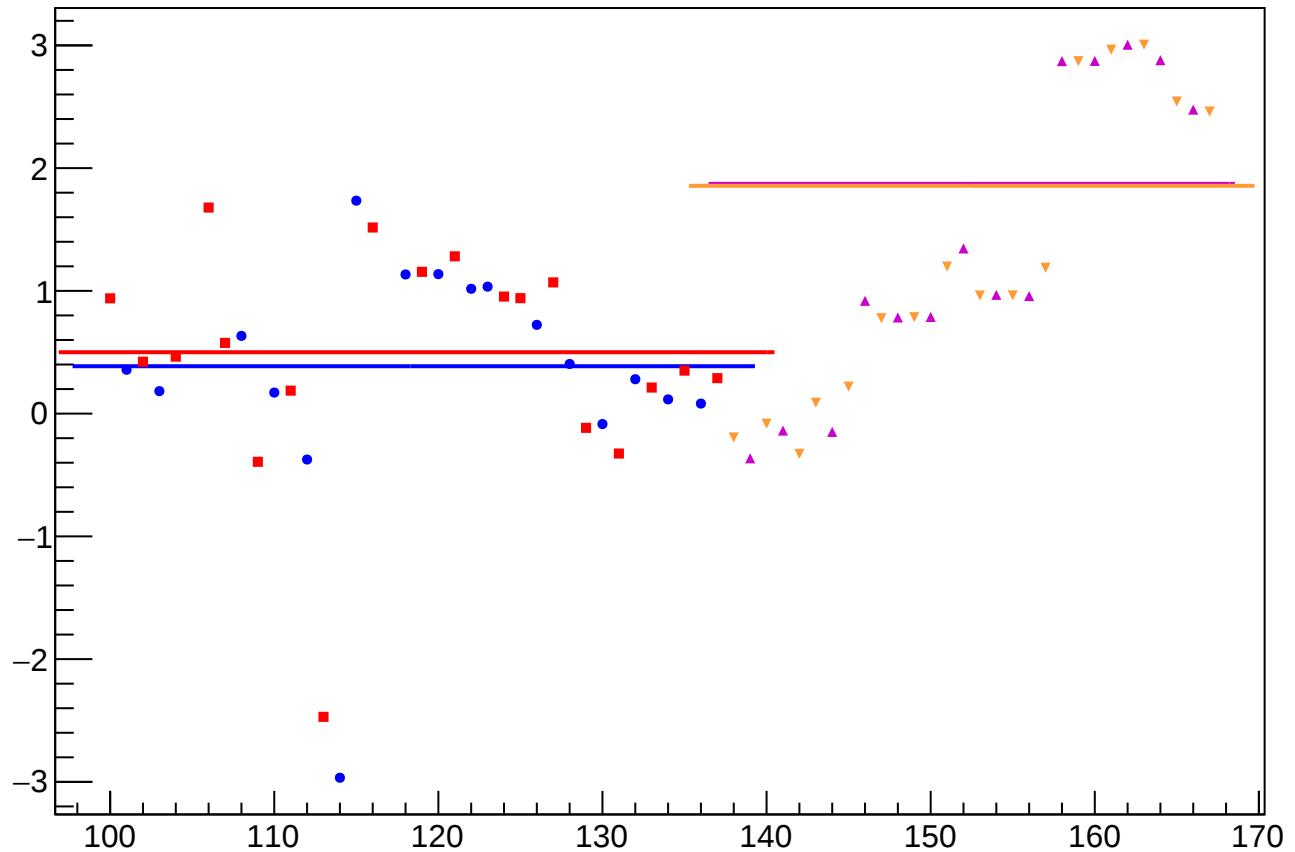
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 301582.5/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1720568.0/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3409786.8/65

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1685080.9/32

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

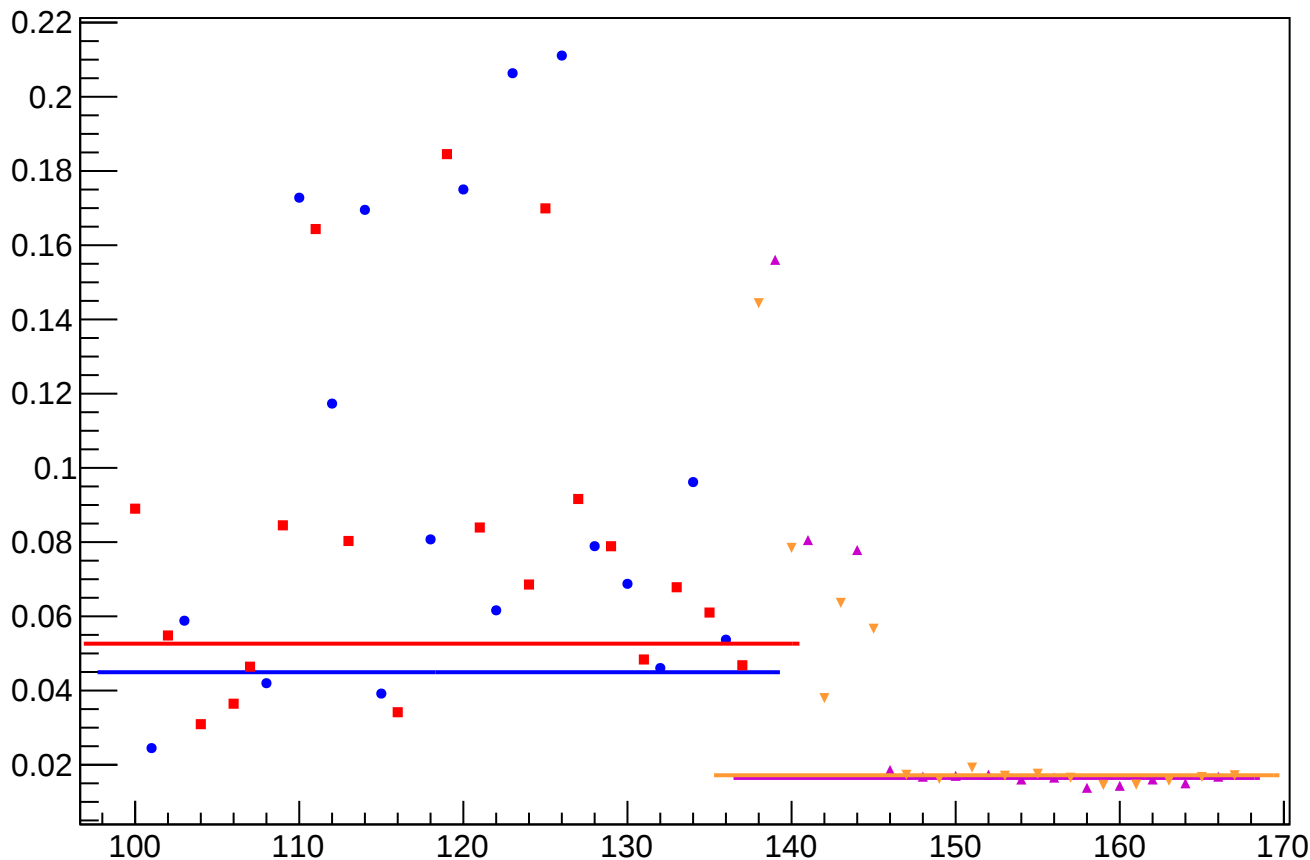
Left In: 1.872 $\pm$ 0.000 χ^2 /NDF: 27058462225.0/13

+ sign 1.771 $\pm$ 0.000 χ^2 /NDF: 30148363651.6/32

All: 1.787 $\pm$ 0.000 χ^2 /NDF: 60868642660.4/6

- sign 1.804 $\pm$ 0.000 χ^2 /NDF: 30703568031.3/32

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

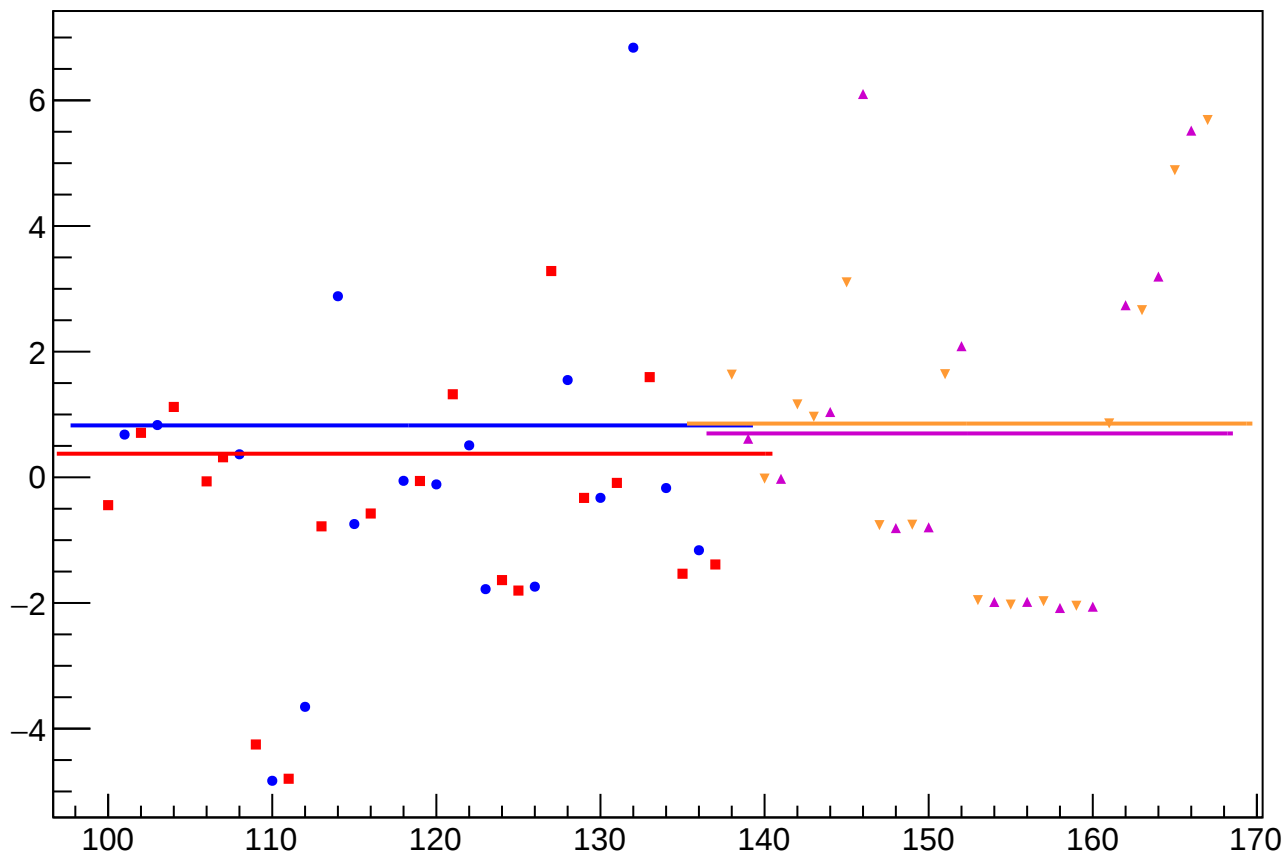
Left In: 0.016+/-0.000 χ^2/NDF :2402137.7/13

+ sign 0.019+/-0.000 χ^2/NDF : 8059468.8/32

All: 0.019+/-0.000 χ^2/NDF : 16365277.5/65

- sign 0.018+/-0.000 χ^2/NDF : 8297019.1/32

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

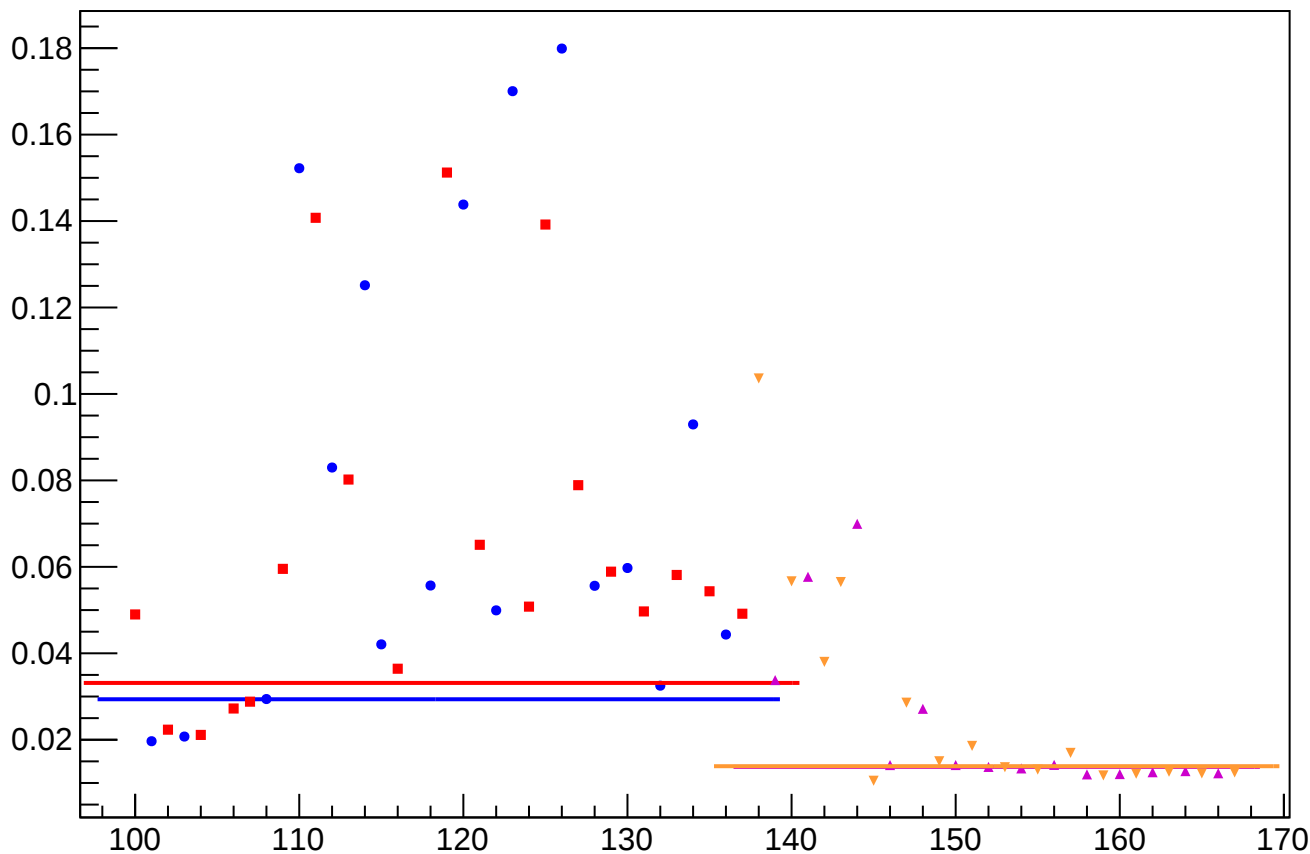
Left In: 0.698 ± 0.000 χ^2/NDF : 391543637182.2/13

+ sign 0.853 ± 0.000 χ^2/NDF : 372436903274.7/32

All: 0.766 ± 0.000 χ^2/NDF : 770043233055.2

- sign 0.675 ± 0.000 χ^2/NDF : 396827978522.3/32

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

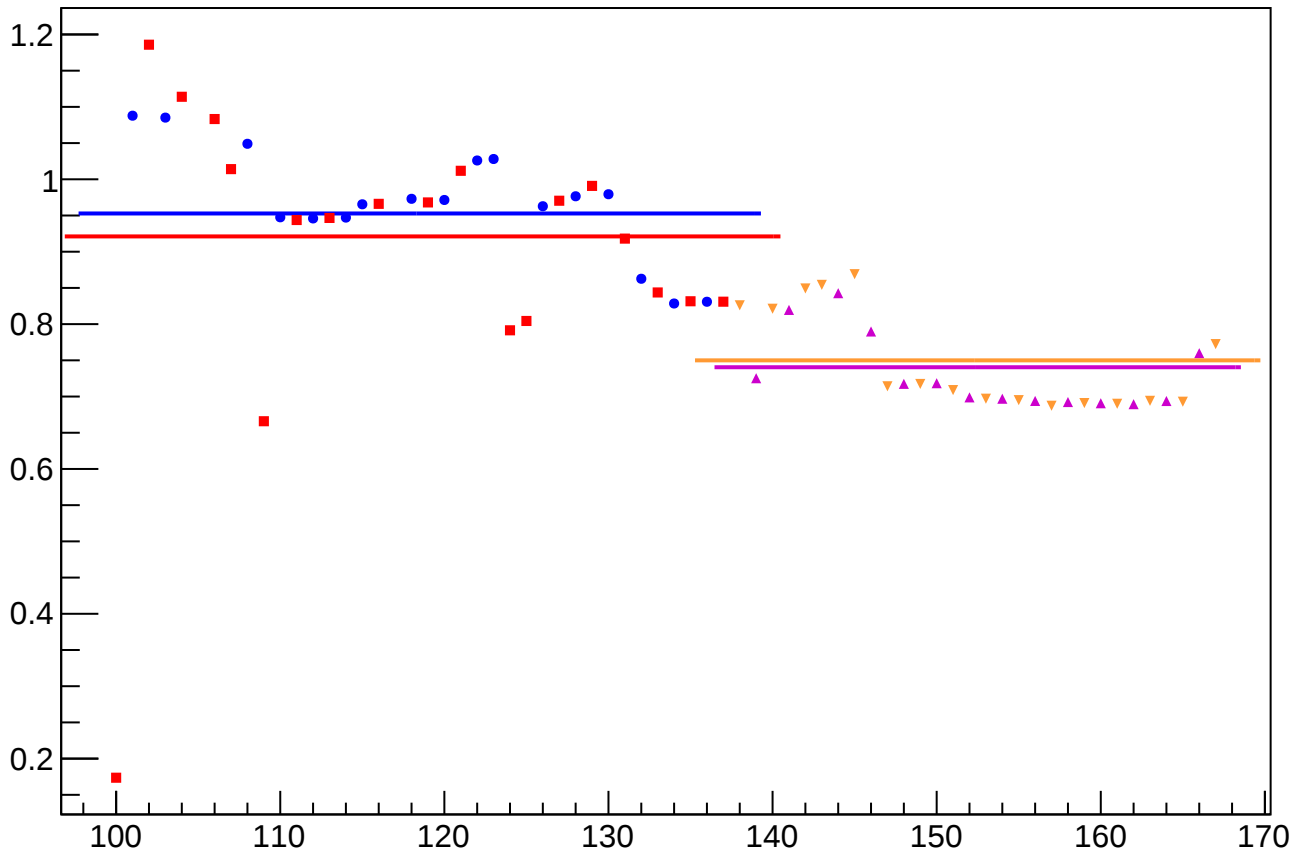
Left In: 0.014+/-0.000 χ^2/NDF : 1881002.9/13

+ sign 0.015+/-0.000 χ^2/NDF : 7561262.5/32

All: 0.015+/-0.000 χ^2/NDF : 14986741.4/65

- sign 0.015+/-0.000 χ^2/NDF : 7425445.6/32

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

+ sign 0.820 $\pm$ 0.000 χ^2 /NDF: 1256841193.3/32

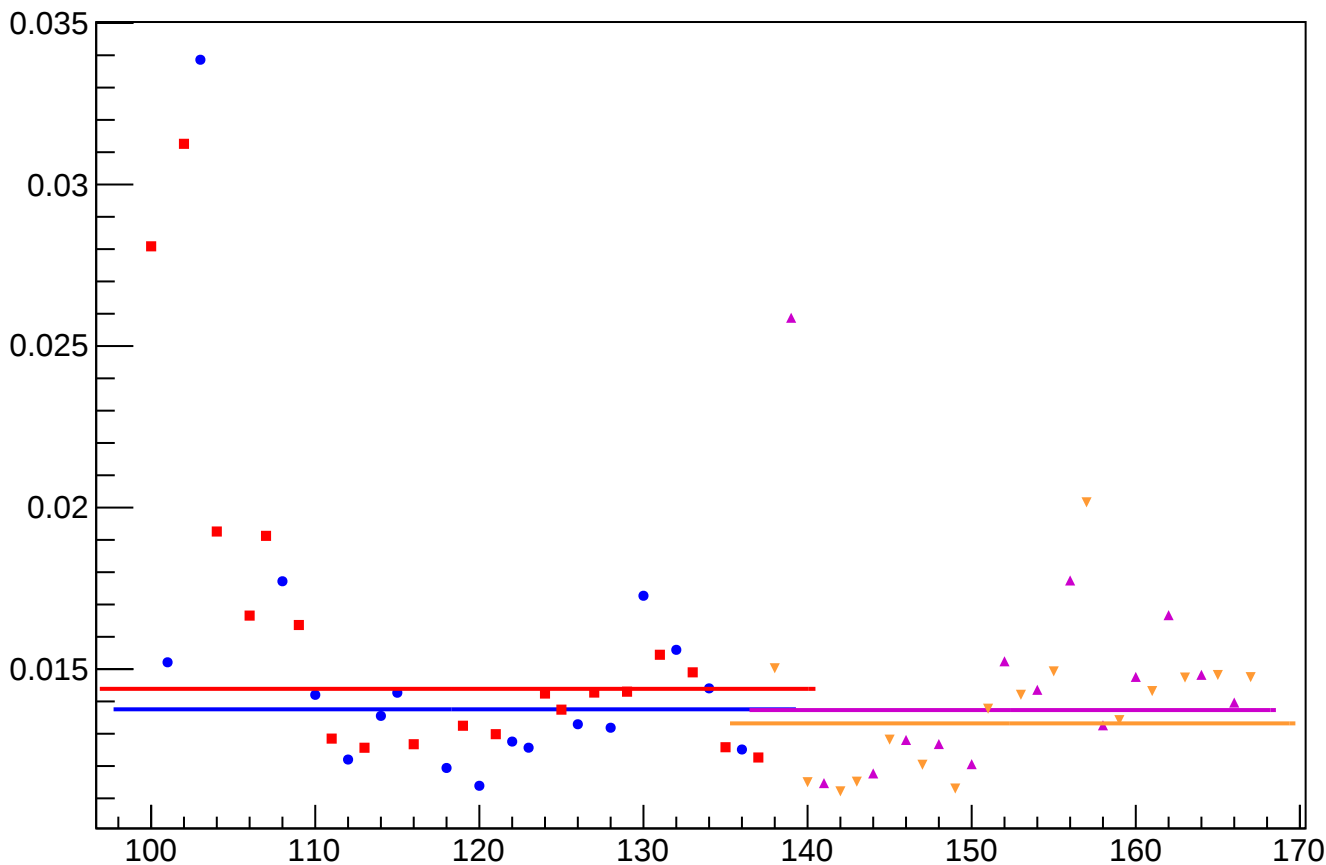
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

All: 0.814 $\pm$ 0.000 χ^2 /NDF: 2400635192.7/65

- sign 0.807 $\pm$ 0.000 χ^2 /NDF: 1136615827.4/32

Left In: 0.740 $\pm$ 0.000 χ^2 /NDF: 155927329.6/13

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

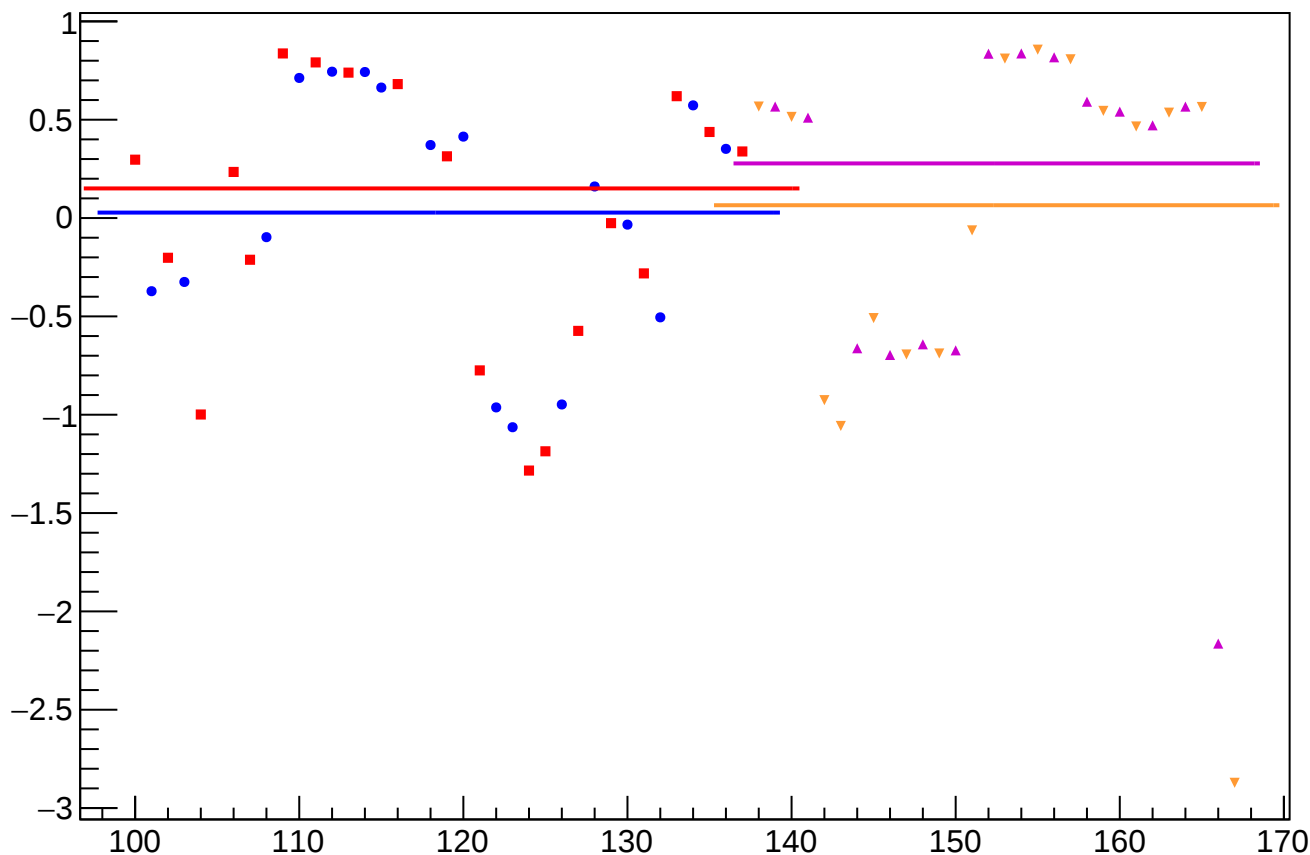
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:599654.3/13

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 915808.0/32

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2056590.6/65

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1119510.8/32

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

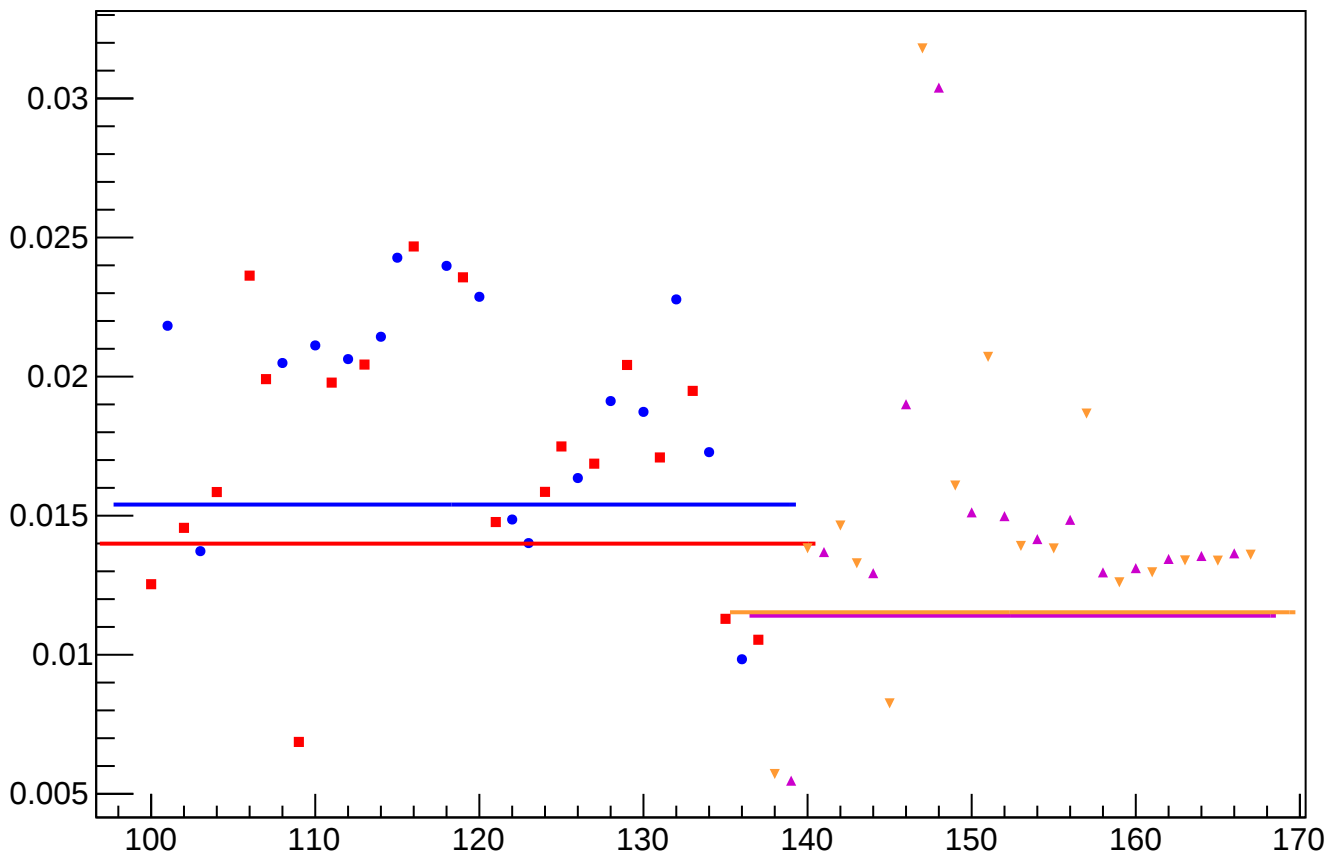
Left In: 0.278 $\pm$ 0.000 χ^2 /NDF: 34346076563.1/13

+ sign 0.056 $\pm$ 0.000 χ^2 /NDF: 68239196147.0/32

All: 0.148 $\pm$ 0.000 χ^2 /NDF: 117214948497.2

- sign 0.240 $\pm$ 0.000 χ^2 /NDF: 47325959363.3/32

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 2943562.5/15

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

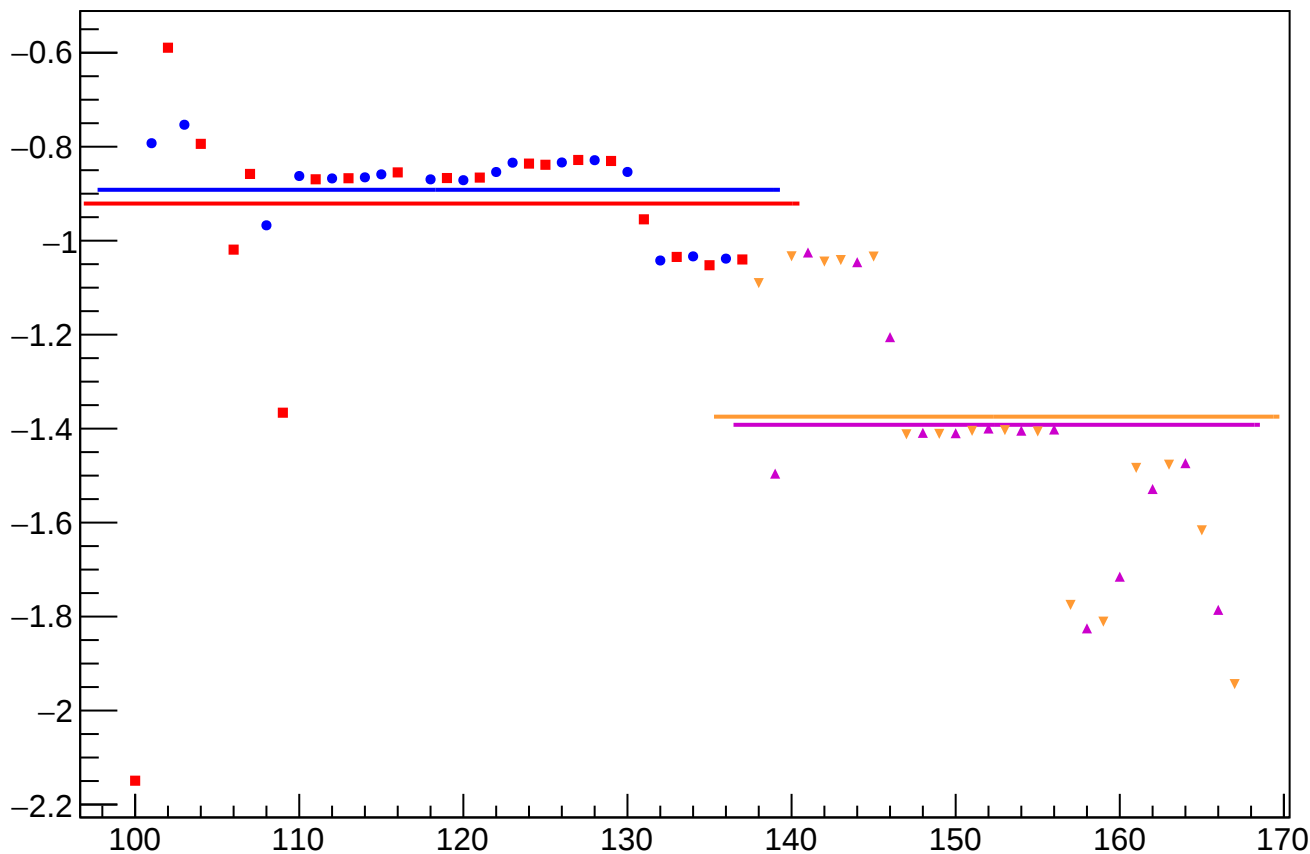
Left In: 0.011+/-0.000 χ^2/NDF : 2950356.5/13

+ sign 0.012+/-0.000 χ^2/NDF : 4620812.9/32

All: 0.012+/-0.000 χ^2/NDF : 9412482.7/65

- sign 0.012+/-0.000 χ^2/NDF : 4782581.7/32

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

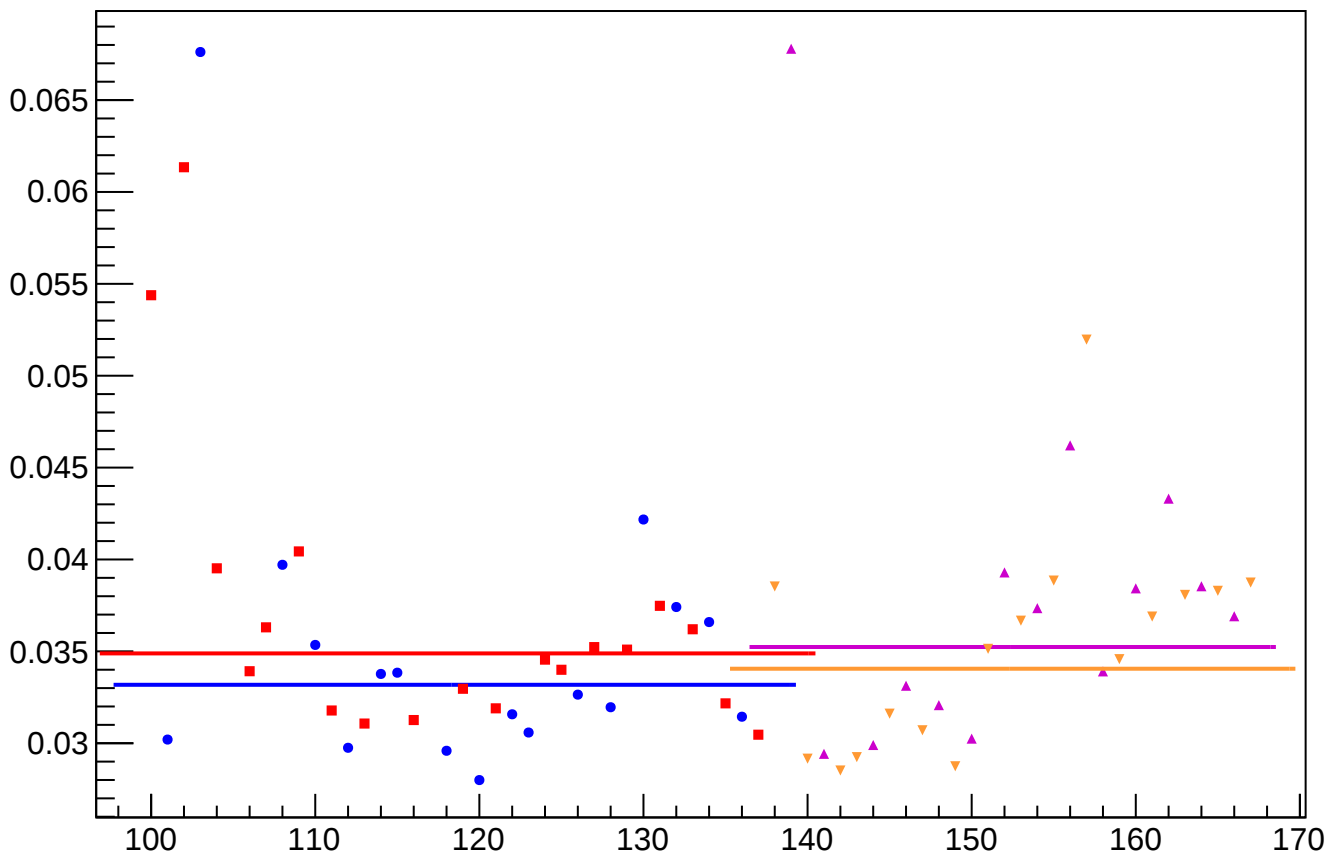
Left In: -1.392 ± 0.000 χ^2/NDF : 471136930.9/13

+ sign -1.193 ± 0.000 χ^2/NDF : 1451055944.5/32

All: -1.198 ± 0.000 χ^2/NDF : 2727919364.4/6

- sign -1.204 ± 0.000 χ^2/NDF : 1276050522.2/32

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

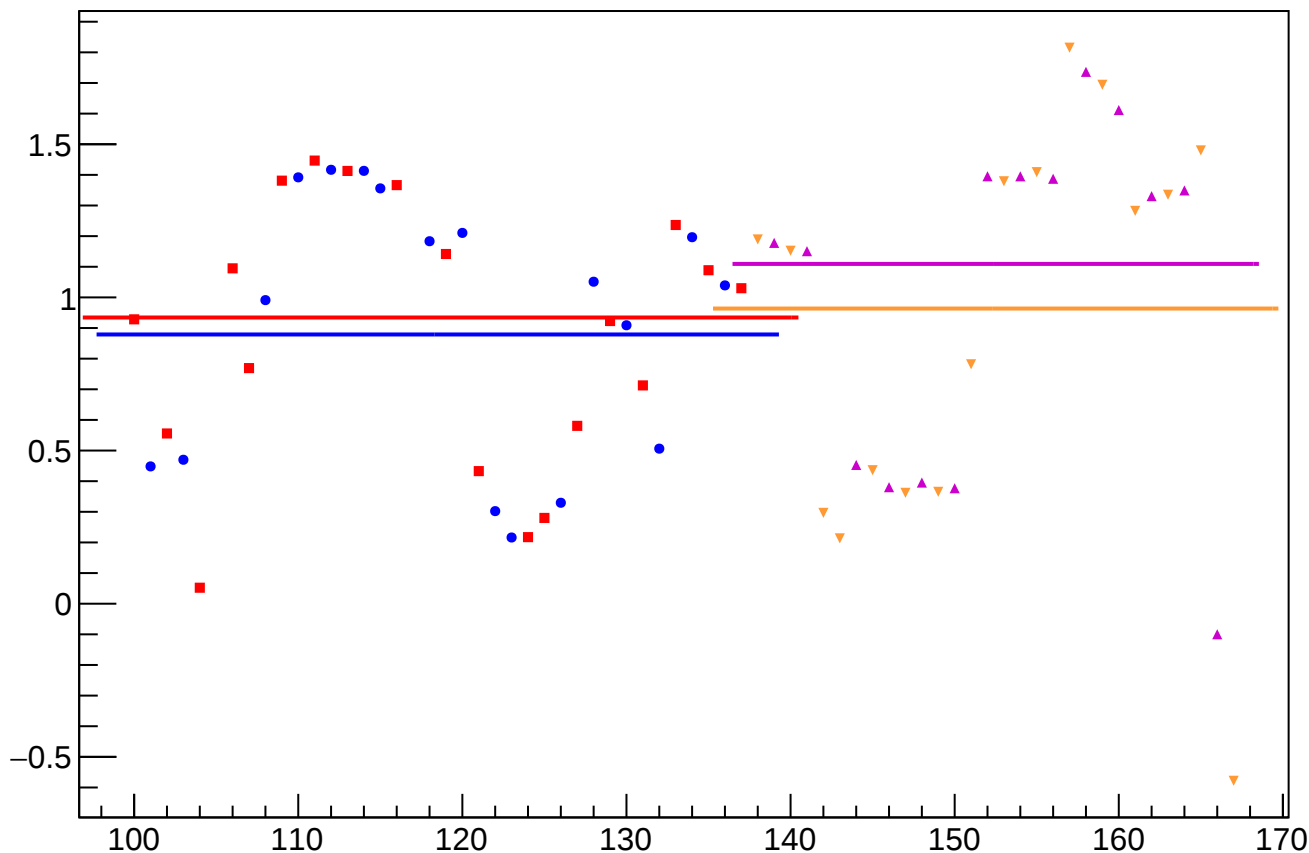
Left In: 0.035+/-0.000 χ^2/NDF : 656204.1/13

+ sign 0.034+/-0.000 χ^2/NDF : 815527.8/32

All: 0.034+/-0.000 χ^2/NDF : 1772582.7/65

- sign 0.035+/-0.000 χ^2/NDF : 931958.2/32

yield_bpm12Y_mean vs Slug



Right In: 0.879 ± 0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.964 ± 0.000 χ^2/NDF : 53396227703.4/15

Right Out: 0.934 ± 0.000 χ^2/NDF : 9827120184.9/18

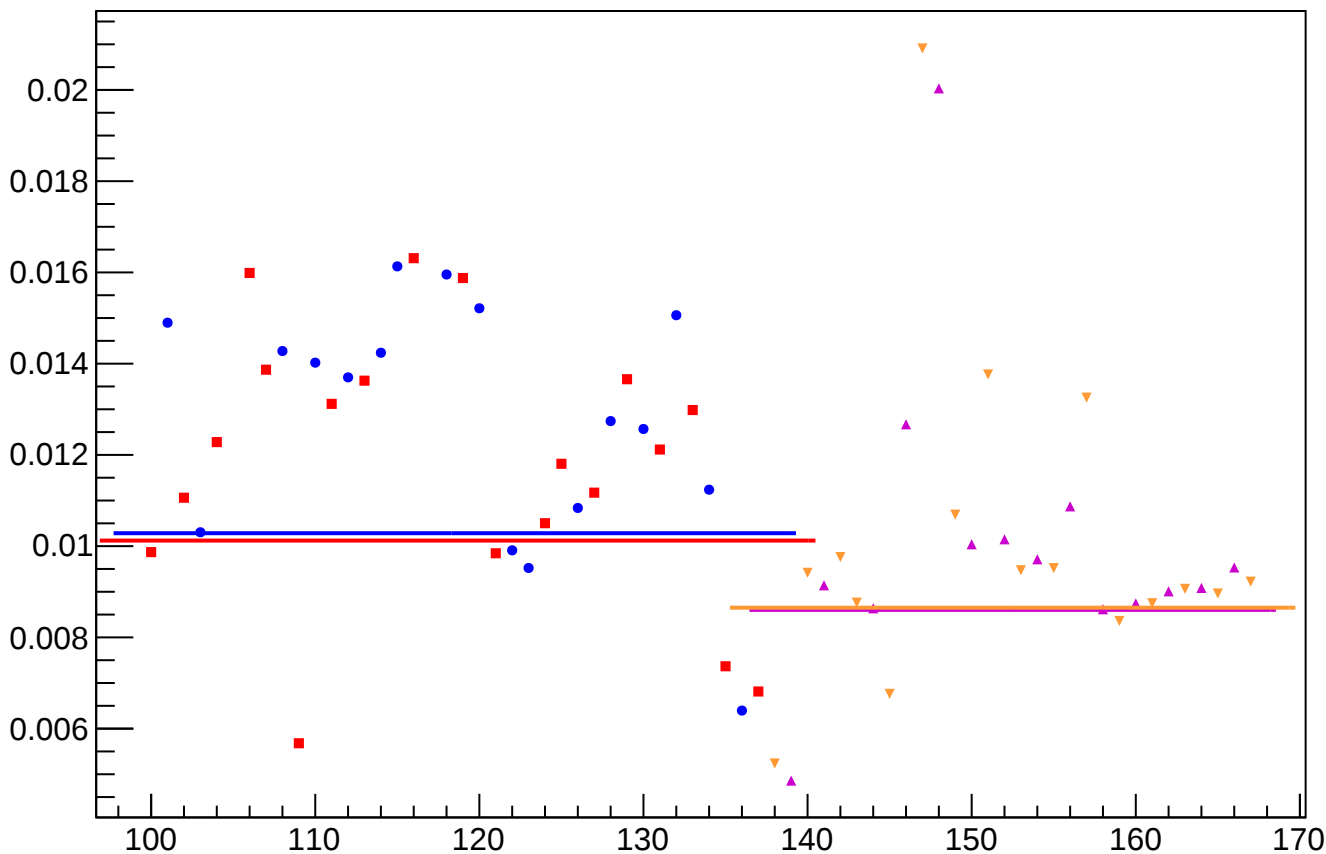
Left In: 1.109 ± 0.000 χ^2/NDF : 30154711848.3/13

+ sign 0.941 ± 0.000 χ^2/NDF : 60042120067.1/32

All: 0.997 ± 0.000 χ^2/NDF : 102497733660.4

- sign 1.056 ± 0.000 χ^2/NDF : 41192707109.0/32

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1665842.8/15

Right Out: 0.010+/-0.000 χ^2/NDF : 1176642.1/18

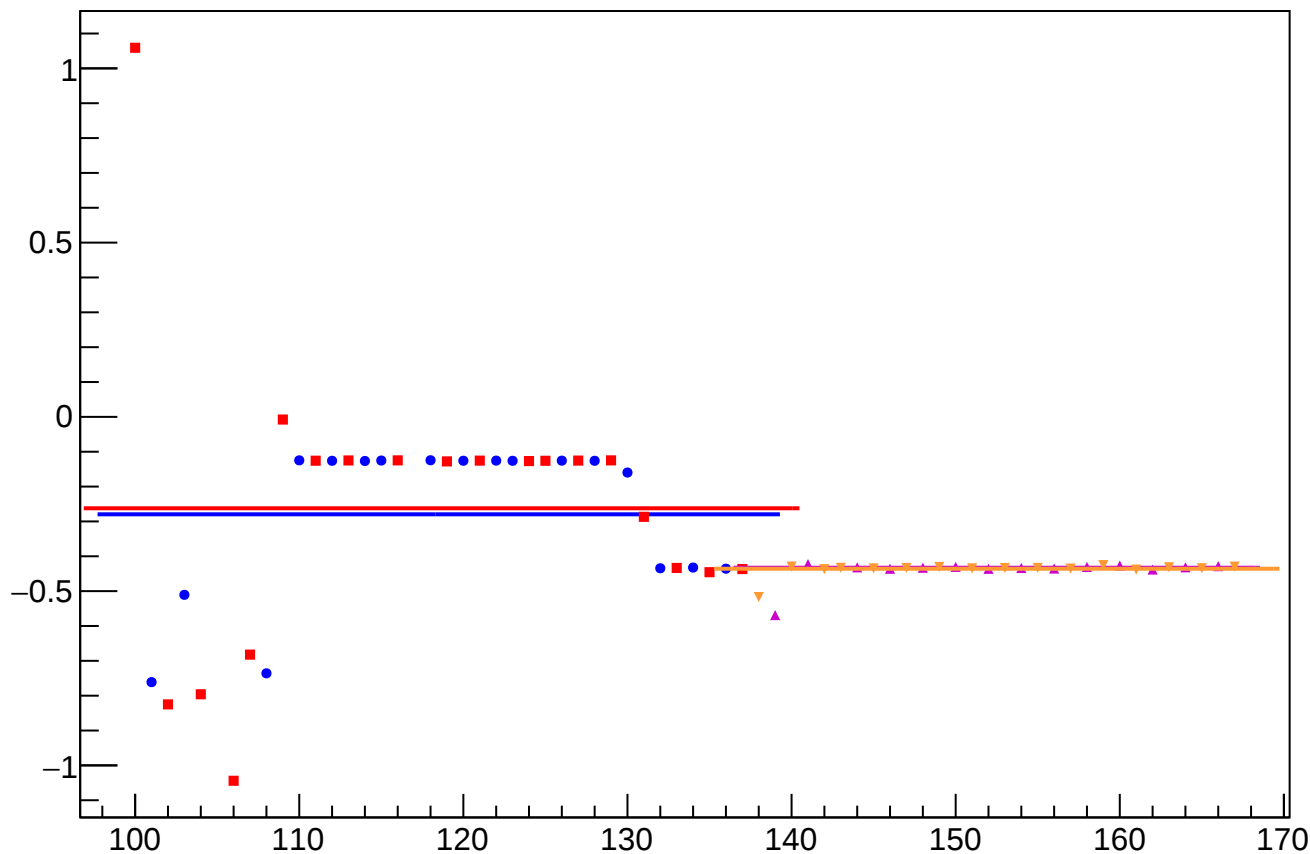
Left In: 0.009+/-0.000 χ^2/NDF : 1627556.2/13

+ sign 0.009+/-0.000 χ^2/NDF : 3077177.5/32

All: 0.009+/-0.000 χ^2/NDF : 6064068.6/65

- sign 0.009+/-0.000 χ^2/NDF : 2986736.3/32

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

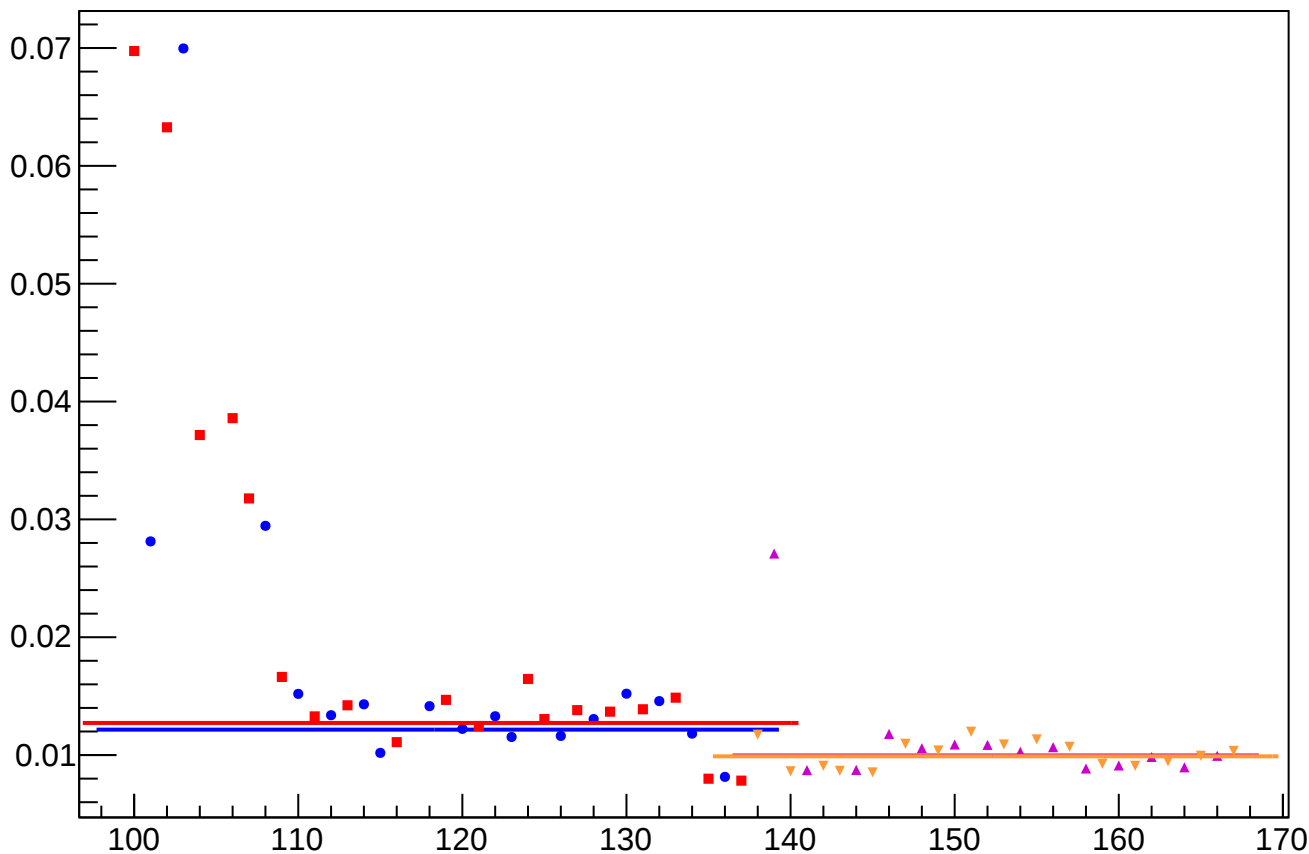
Left In: -0.433 ± 0.000 χ^2/NDF : 19635350.2/13

+ sign -0.399 ± 0.000 χ^2/NDF : 1540541737.4/32

All: -0.395 ± 0.000 χ^2/NDF : 3223702932.7/6

- sign -0.390 ± 0.000 χ^2/NDF : 1678960170.6/32

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:228405.0/15

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

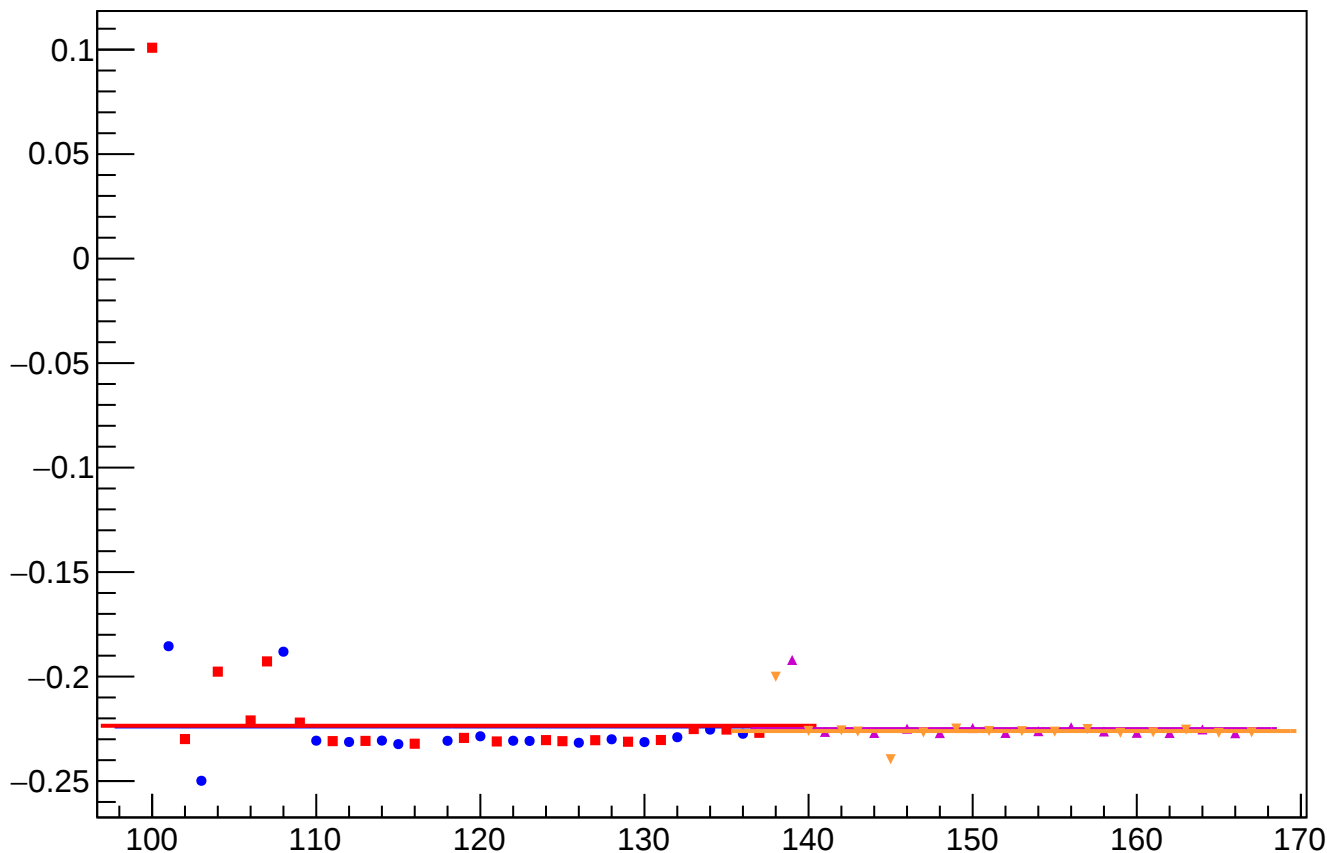
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:731189.7/13

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2197590.2/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5243825.9/65

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3040049.1/32

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

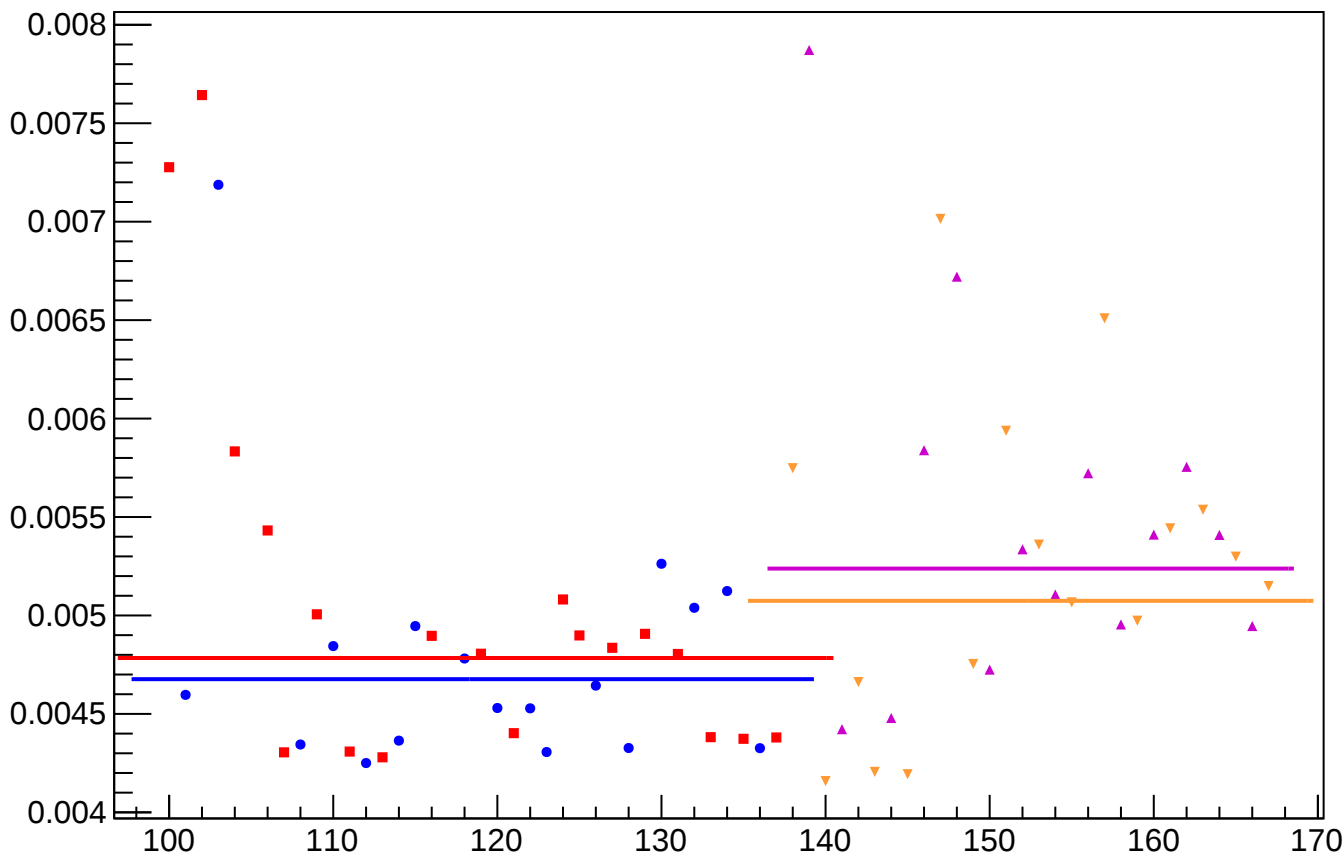
Left In: -0.225+/-0.000 χ^2/NDF : 12833743.3/13

+ sign -0.225+/-0.000 χ^2/NDF : 96012846.2/32

All: -0.225+/-0.000 χ^2/NDF : 277568843.7/65

- sign -0.224+/-0.000 χ^2/NDF : 181355252.4/32

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

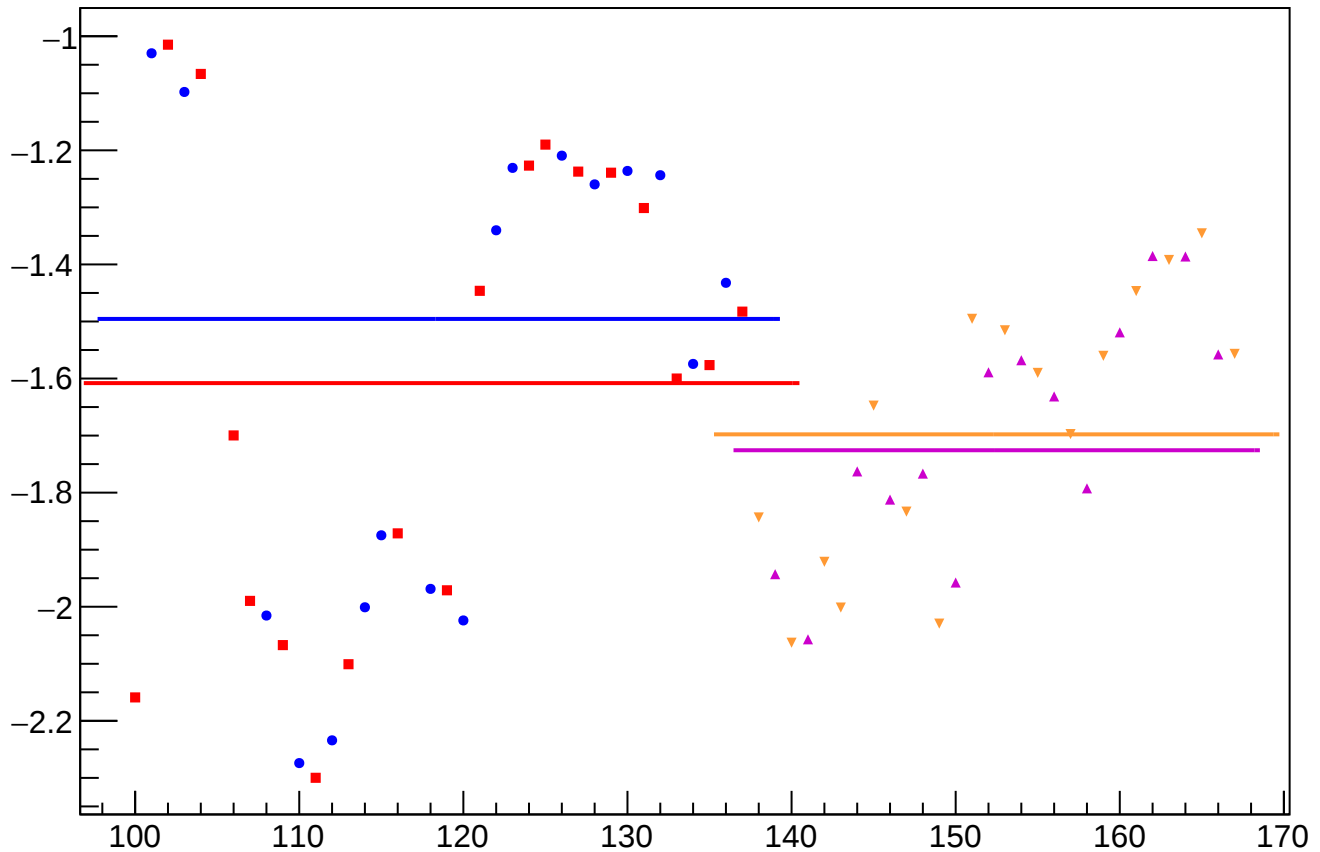
Left In: 0.005+/-0.000 χ^2/NDF : 396342.9/13

+ sign 0.005+/-0.000 χ^2/NDF : 682888.5/32

All: 0.005+/-0.000 χ^2/NDF : 1403380.9/65

- sign 0.005+/-0.000 χ^2/NDF : 710172.0/32

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

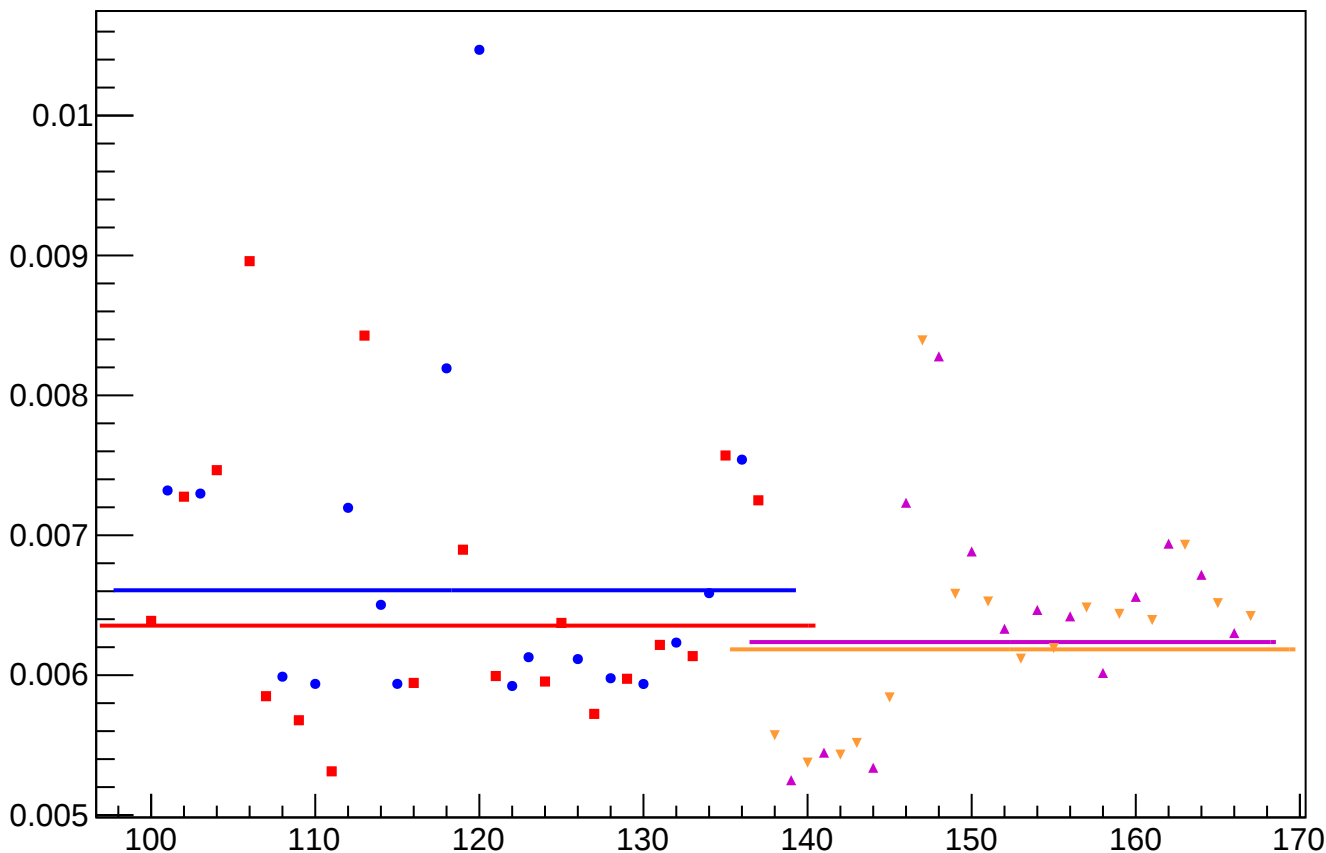
Left In: -1.726 ± 0.000 χ^2/NDF : 10792746665.4/13

+ sign -1.633 ± 0.000 χ^2/NDF : 41897149891.2/32

All: -1.656 ± 0.000 χ^2/NDF : 82415232541.0/32

- sign -1.680 ± 0.000 χ^2/NDF : 40033896444.0/32

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

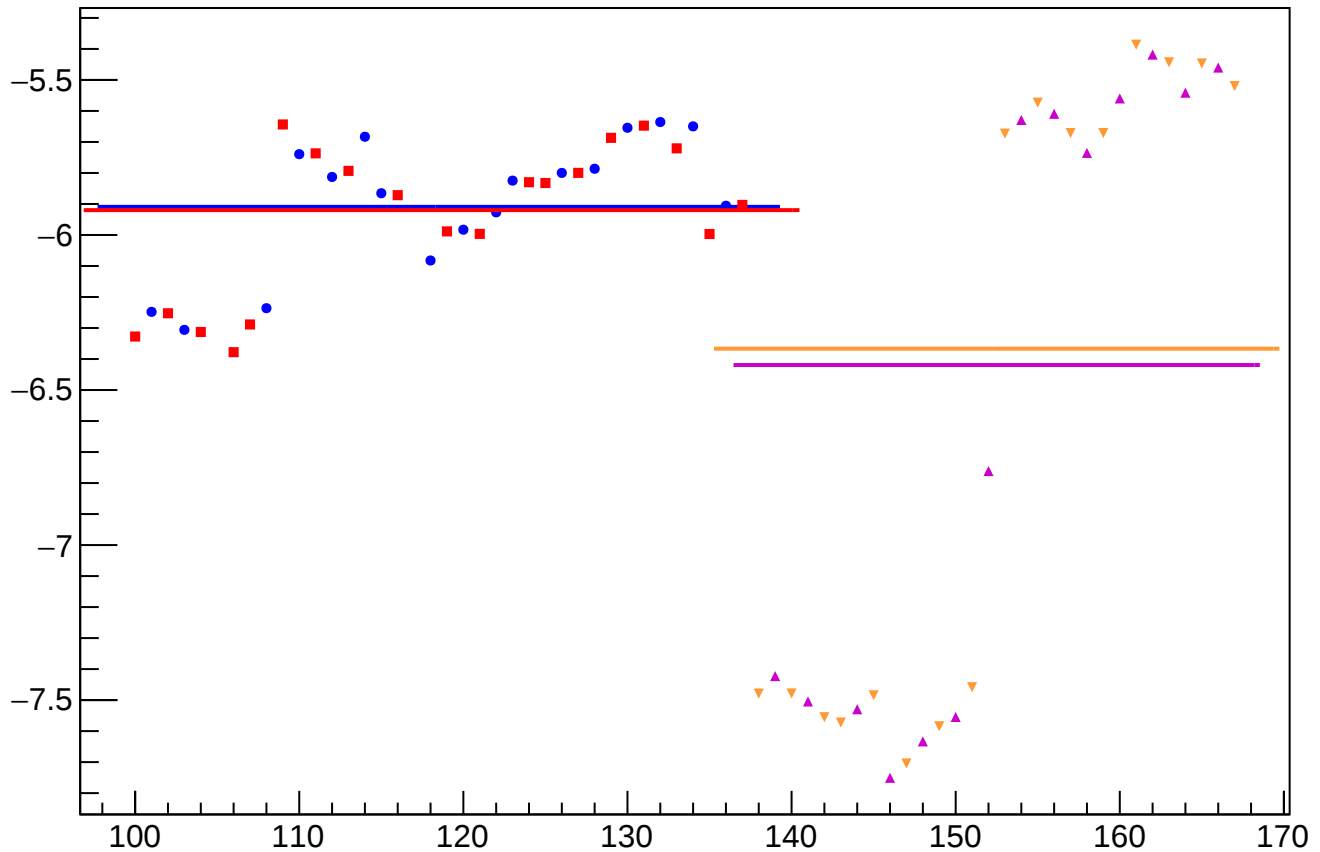
Left In: 0.006+/-0.000 χ^2/NDF : 289517.2/13

+ sign 0.006+/-0.000 χ^2/NDF : 463331.0/32

All: 0.006+/-0.000 χ^2/NDF : 983530.0/65

- sign 0.006+/-0.000 χ^2/NDF : 519570.9/32

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

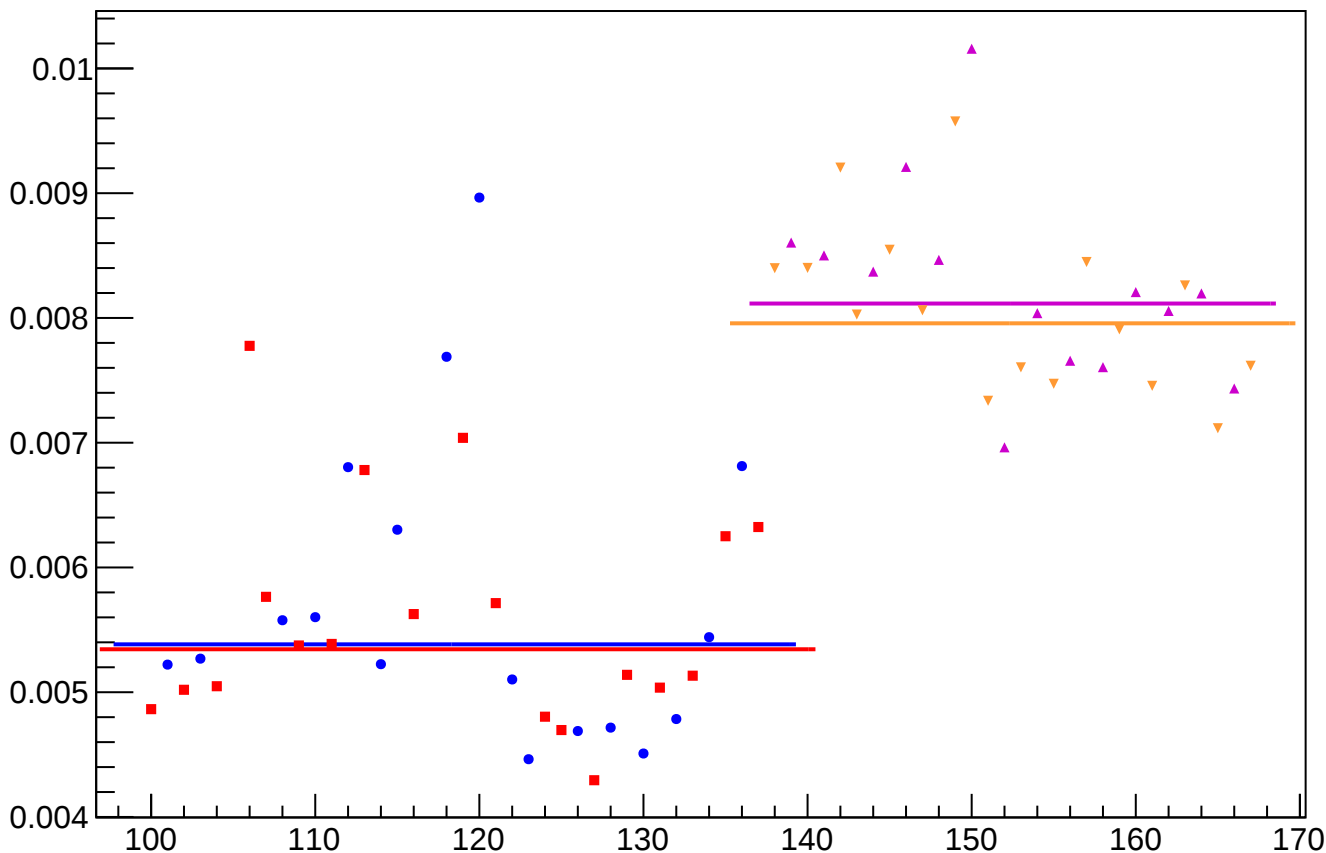
Left In: -6.419+/-0.000 χ^2/NDF : 128060471658.8/13

+ sign -6.114+/-0.000 χ^2/NDF : 189229856089.9/32

All: -6.116+/-0.000 χ^2/NDF : 352106603865.6

- sign -6.118+/-0.000 χ^2/NDF : 162874523629.6/32

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

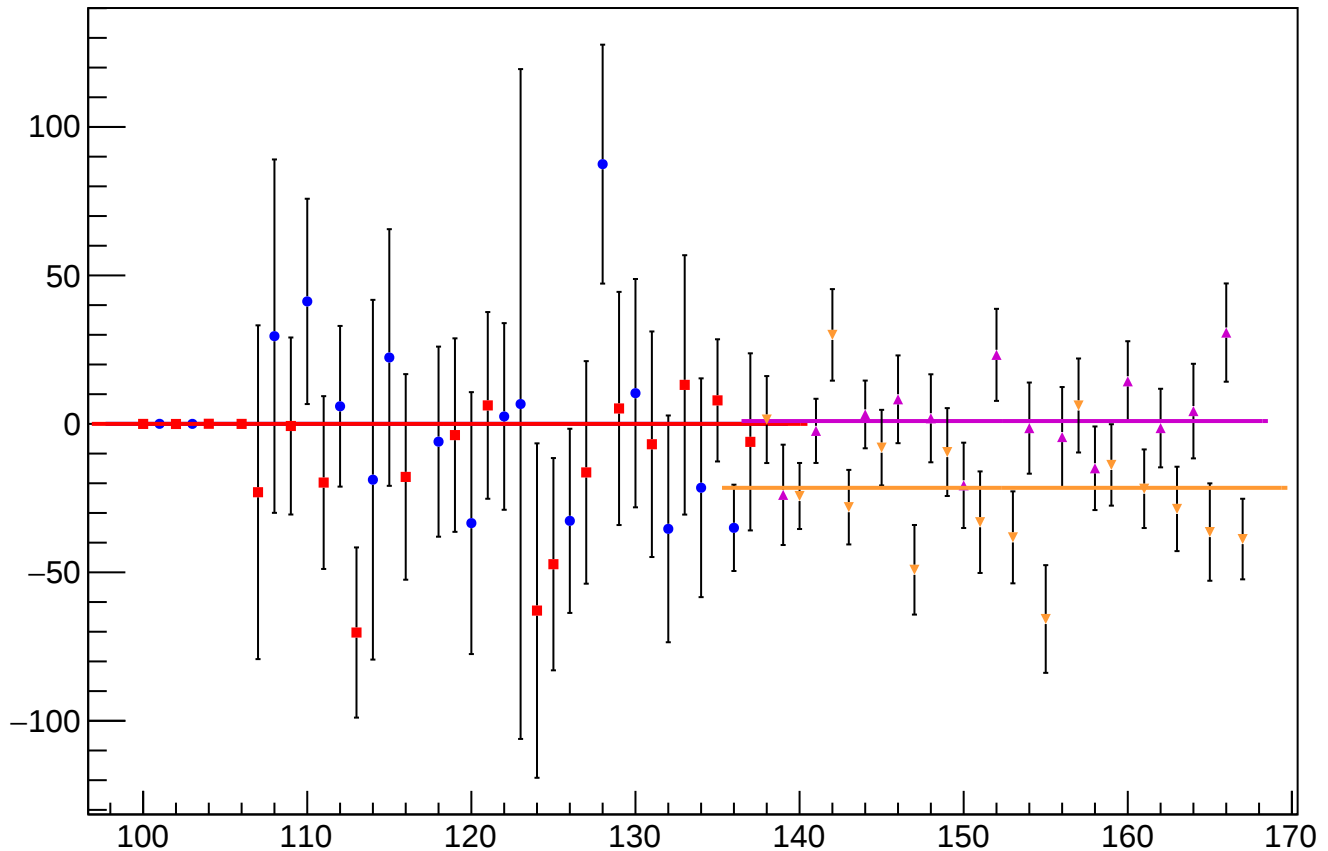
Left In: 0.008+/-0.000 χ^2/NDF :149438.5/13

+ sign 0.007+/-0.000 χ^2/NDF : 1663746.5/32

All: 0.006+/-0.000 χ^2/NDF : 3417430.8/65

- sign 0.006+/-0.000 χ^2/NDF : 1750358.1/32

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

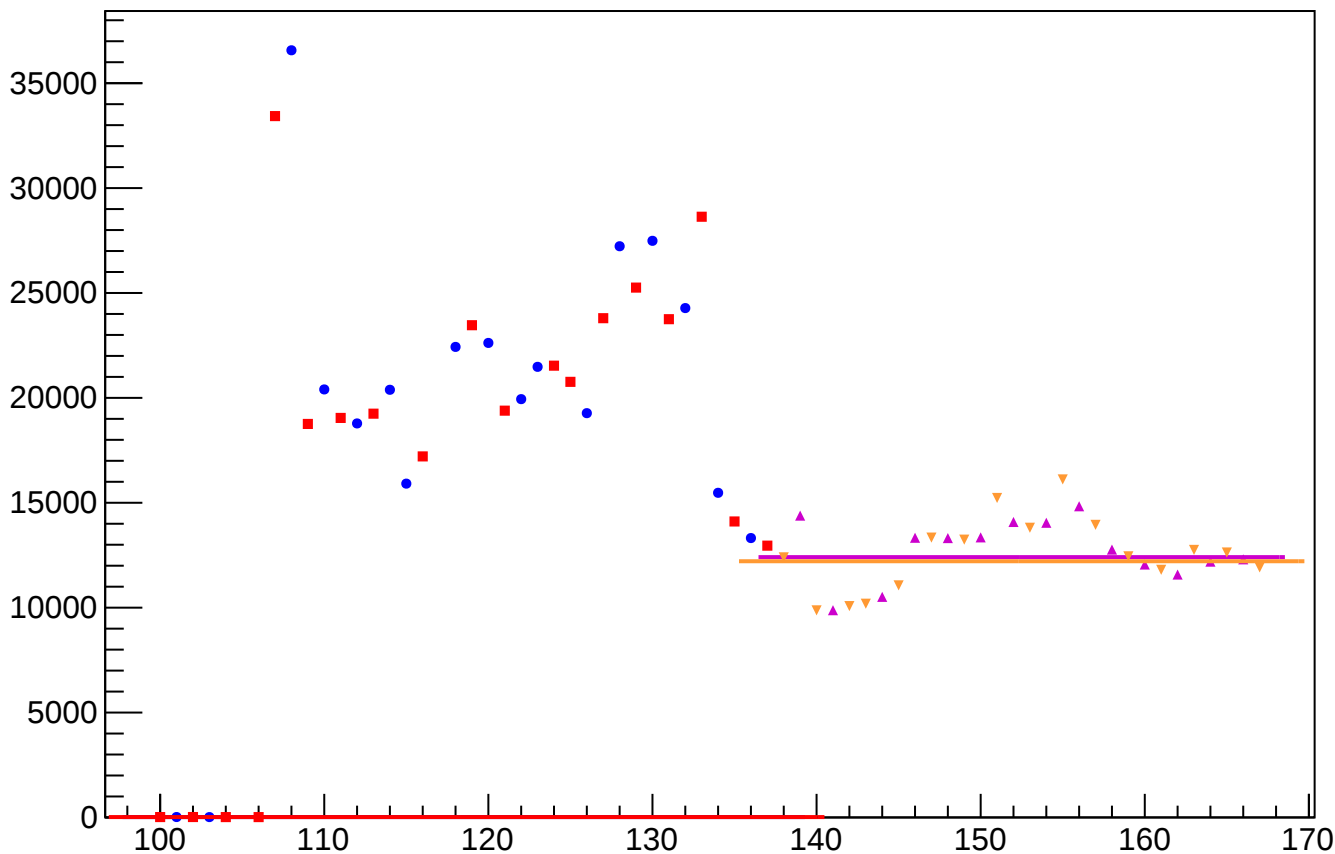
Left In: 0.955 ± 3.793 χ^2/NDF : 12.6/13

+ sign 0.013 ± 0.017 χ^2/NDF : 84.8/32

All: 0.008 ± 0.012 χ^2/NDF : 112.9/65

- sign 0.003 ± 0.016 χ^2/NDF : 28.0/32

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

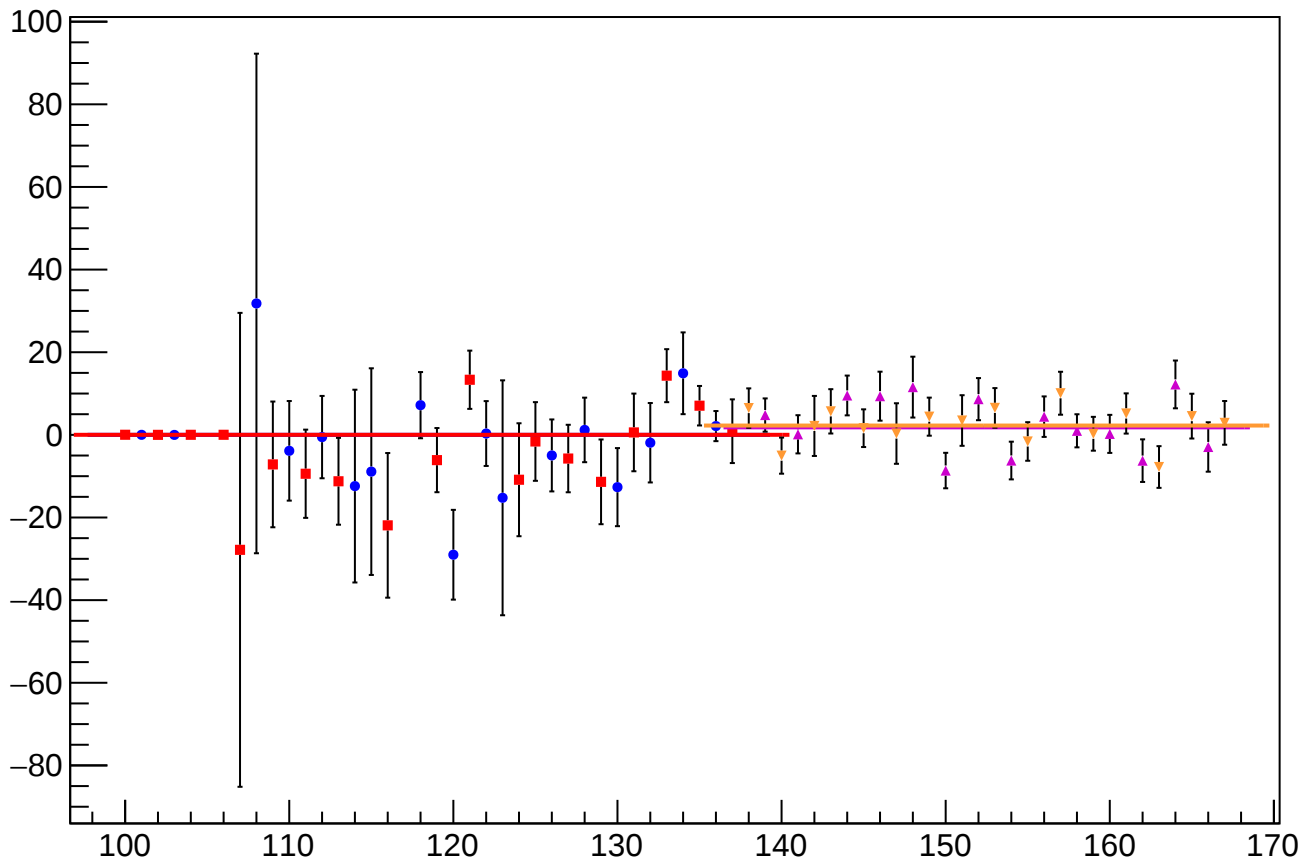
Left In: 12409.323 $\pm$ 2.682 χ^2 /NDF: 314635.6/13

+ sign 18.927 $\pm$ 0.012 χ^2 /NDF: 34511798.0/32

All: 18.716 $\pm$ 0.008 χ^2 /NDF: 67269185.7/65

- sign 18.534 $\pm$ 0.011 χ^2 /NDF: 32756833.7/32

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

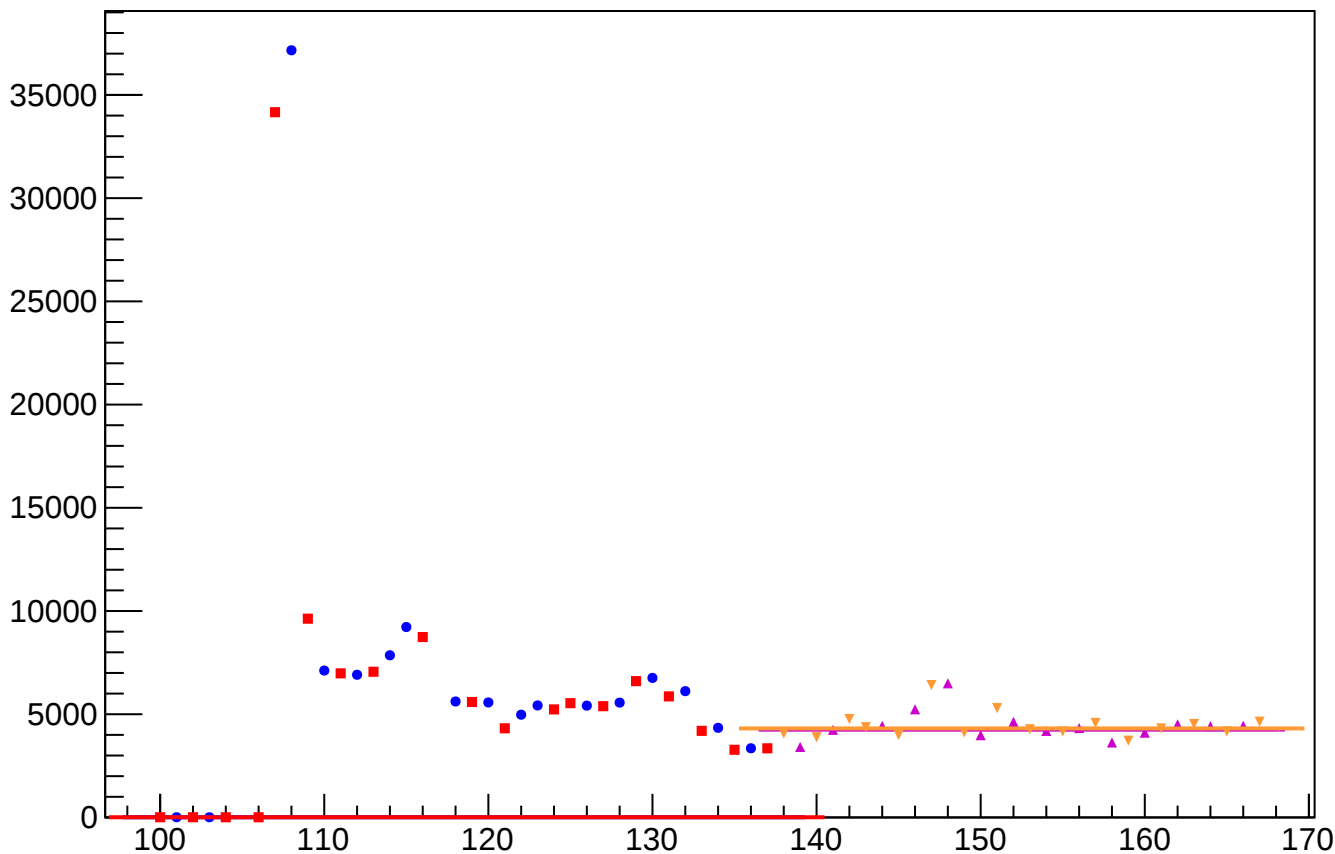
Left In: 1.815 $\pm$ 1.306 χ^2 /NDF:24.2/13

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 30.9/32

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 76.5/65

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 44.5/32

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

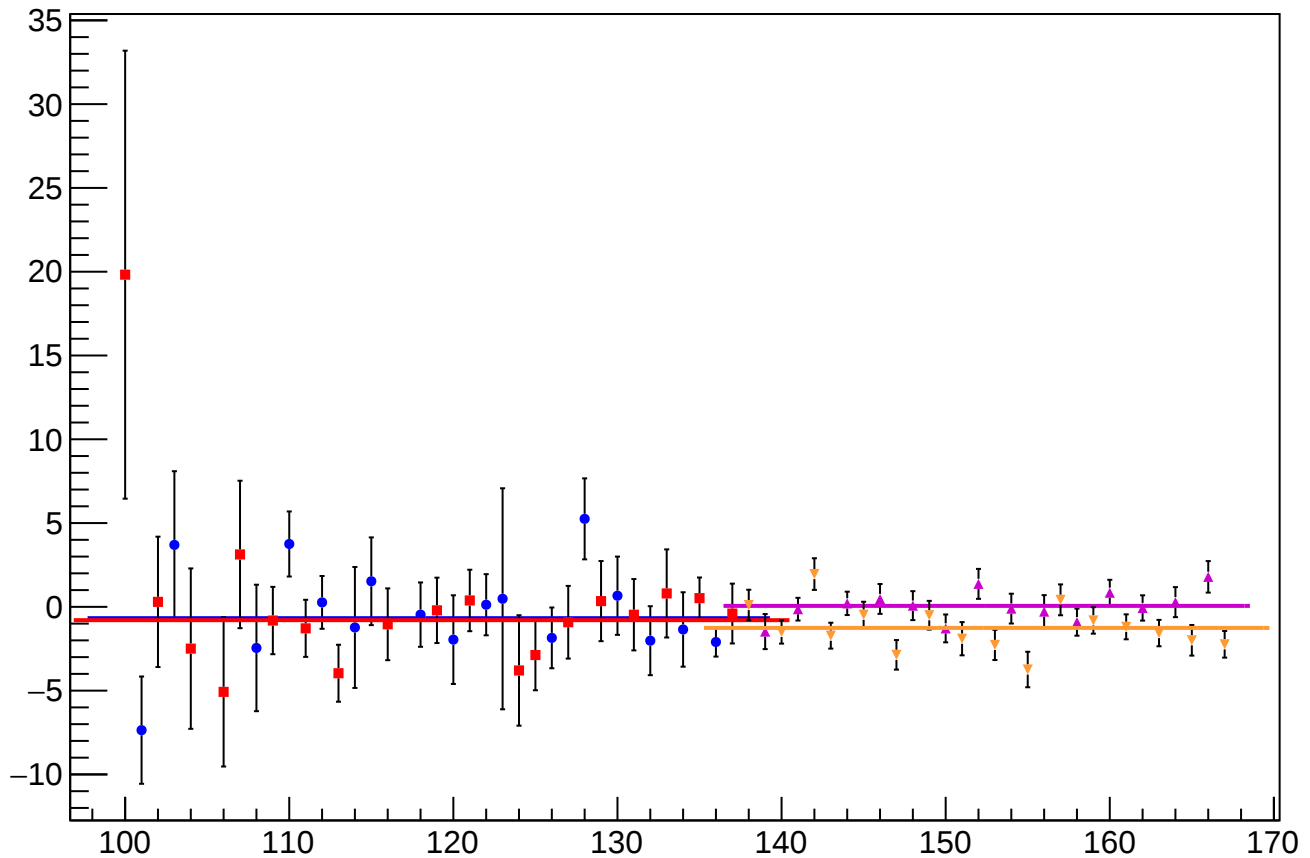
Left In: 4253.512 ± 0.924 χ^2/NDF : 409176.7/13

+ sign 10.167 ± 0.007 χ^2/NDF : 34549930.4/32

All: 10.100 ± 0.004 χ^2/NDF : 67213956.1/65

- sign 10.040 ± 0.006 χ^2/NDF : 32663825.1/32

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

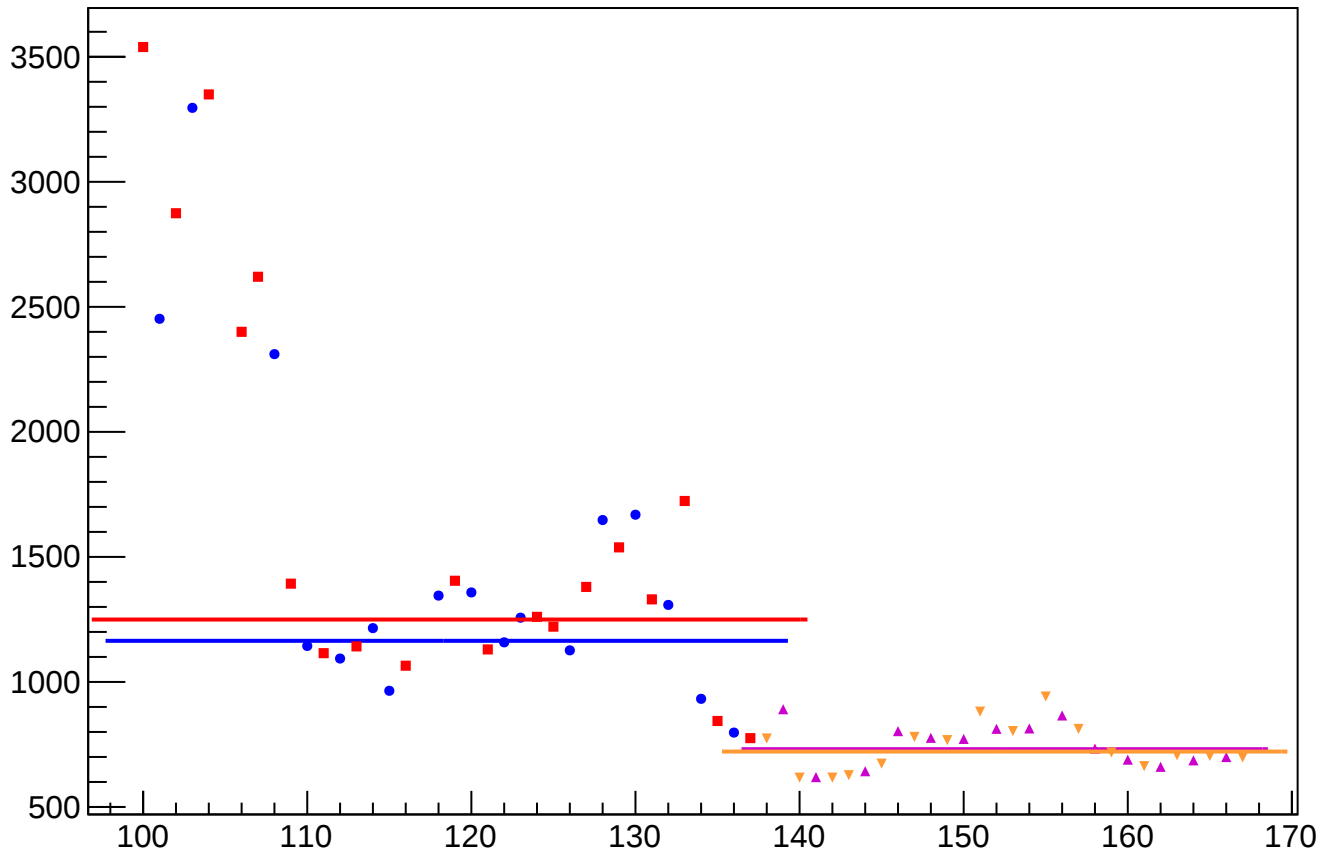
Left In: 0.058 ± 0.223 χ^2/NDF : 13.4/13

+ sign -1.164 ± 0.193 χ^2/NDF : 56.1/32

All: -0.652 ± 0.140 χ^2/NDF : 98.7/65

- sign -0.083 ± 0.204 χ^2/NDF : 27.8/32

diff_cav4cX_rms vs Slug



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 721.628+/-0.149 χ^2/NDF : 317972.3/15

Right Out: 1249.596+/-0.354 χ^2/NDF : 1650133.1/18

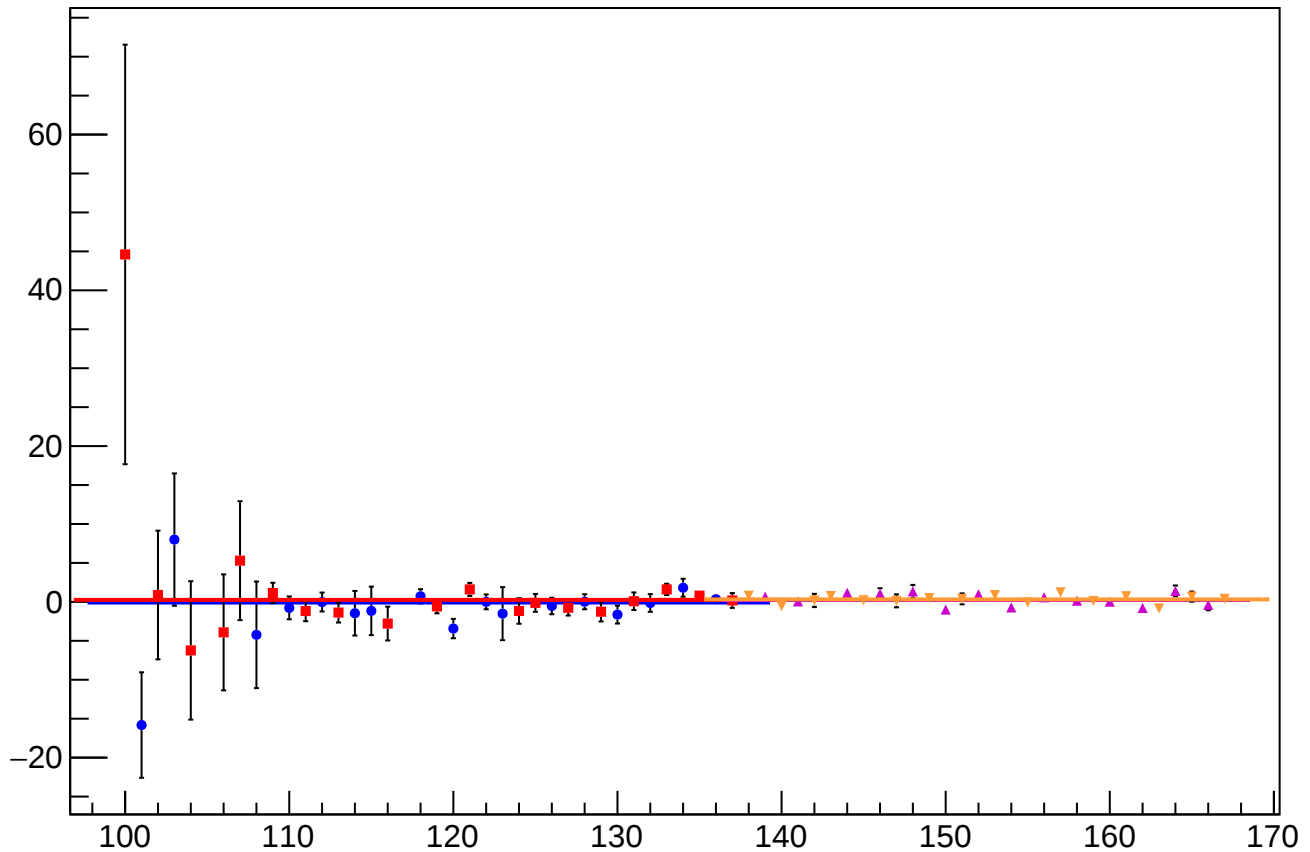
Left In: 730.981+/-0.158 χ^2/NDF : 258809.0/13

+ sign 792.188+/-0.137 χ^2/NDF : 3308845.9/32

All: 803.798+/-0.099 χ^2/NDF : 7019793.8/65

- sign 816.712+/-0.144 χ^2/NDF : 3695700.7/32

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

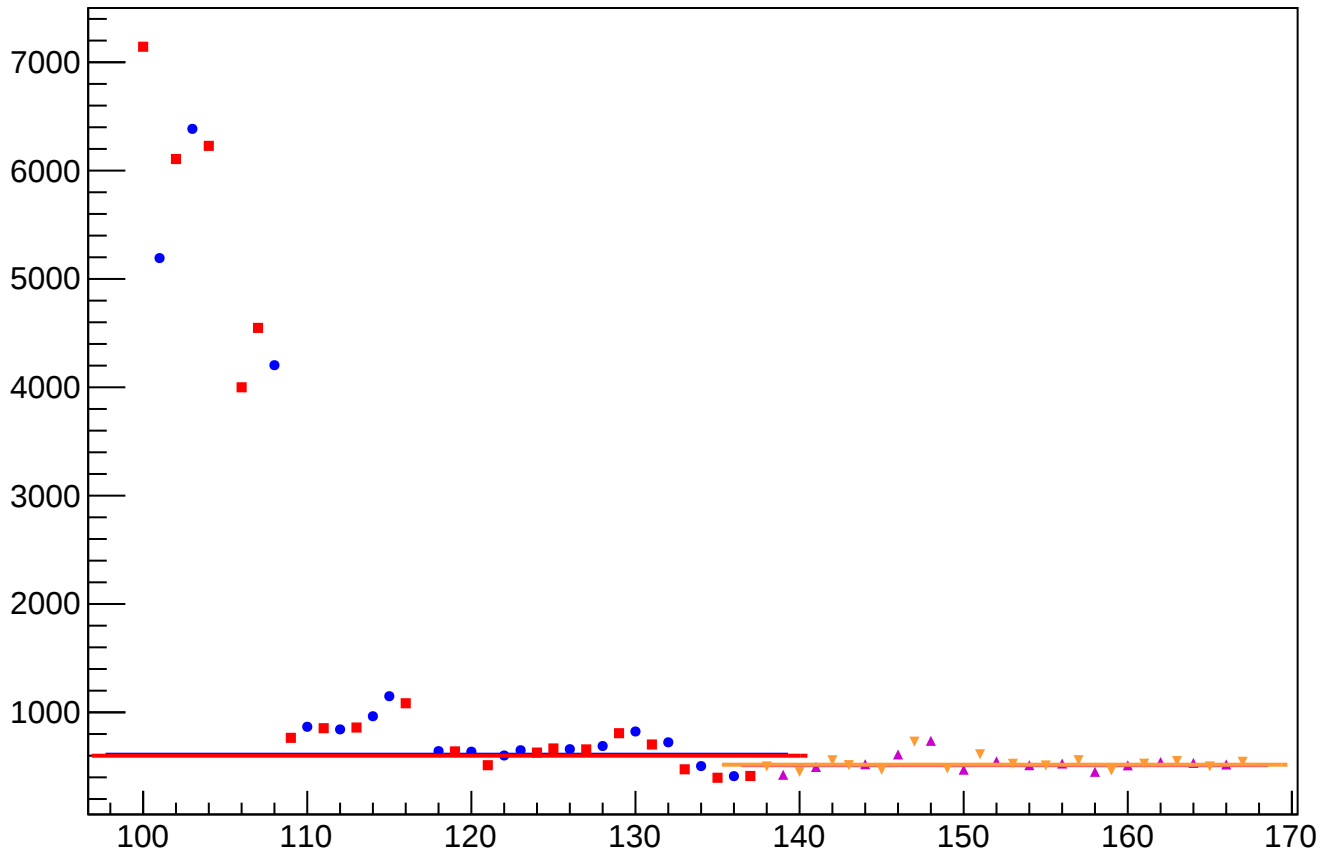
Left In: 0.238 ± 0.157 χ^2/NDF : 23.8/13

+ sign 0.221 ± 0.132 χ^2/NDF : 34.9/32

All: 0.232 ± 0.094 χ^2/NDF : 79.1/65

- sign 0.243 ± 0.135 χ^2/NDF : 44.2/32

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

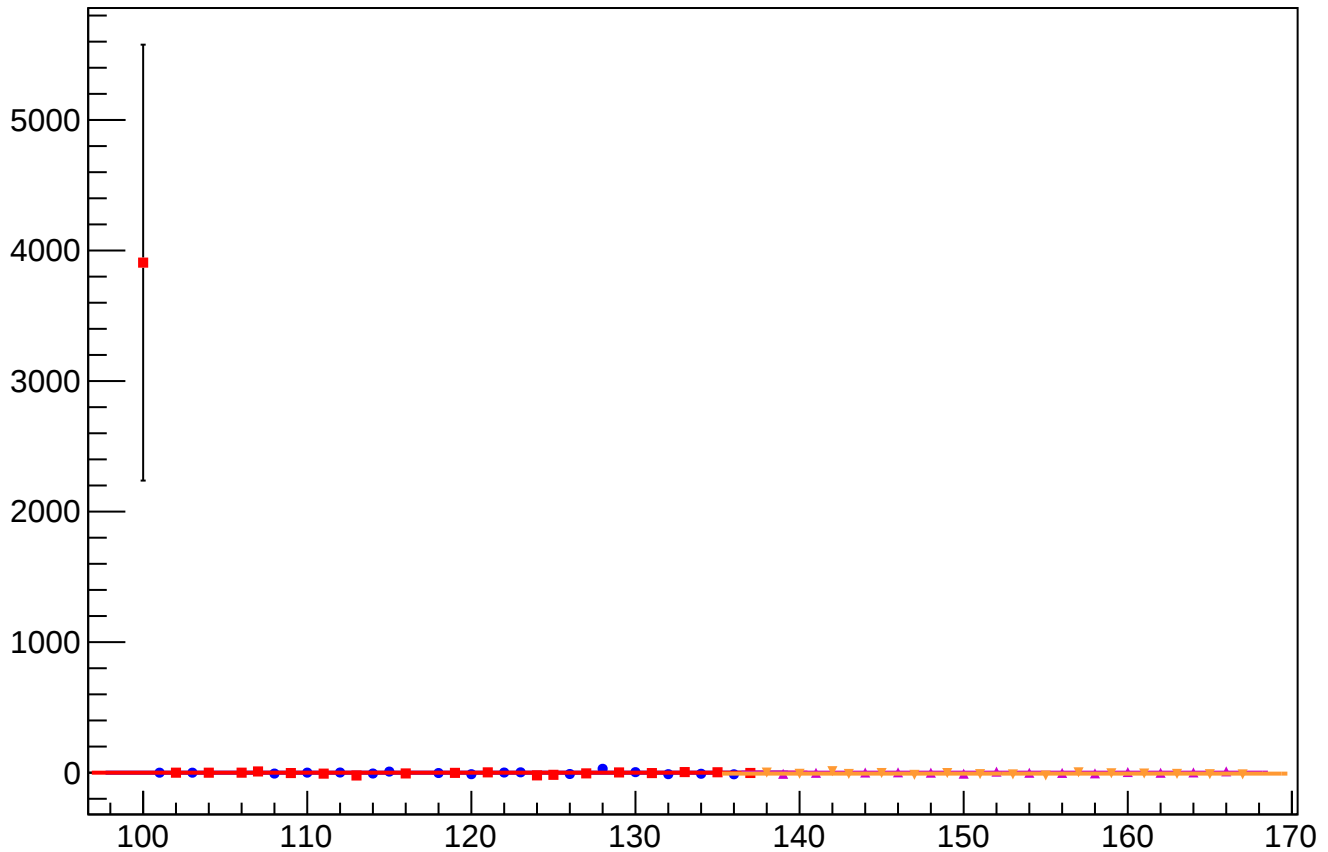
Left In: 512.667 $\pm$ 0.111 χ^2 /NDF:310493.5/13

+ sign 538.848 $\pm$ 0.093 χ^2 /NDF: 3590851.6/32

All: 537.177 $\pm$ 0.067 χ^2 /NDF: 7610634.5/65

- sign 535.424 $\pm$ 0.095 χ^2 /NDF: 4019124.5/32

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

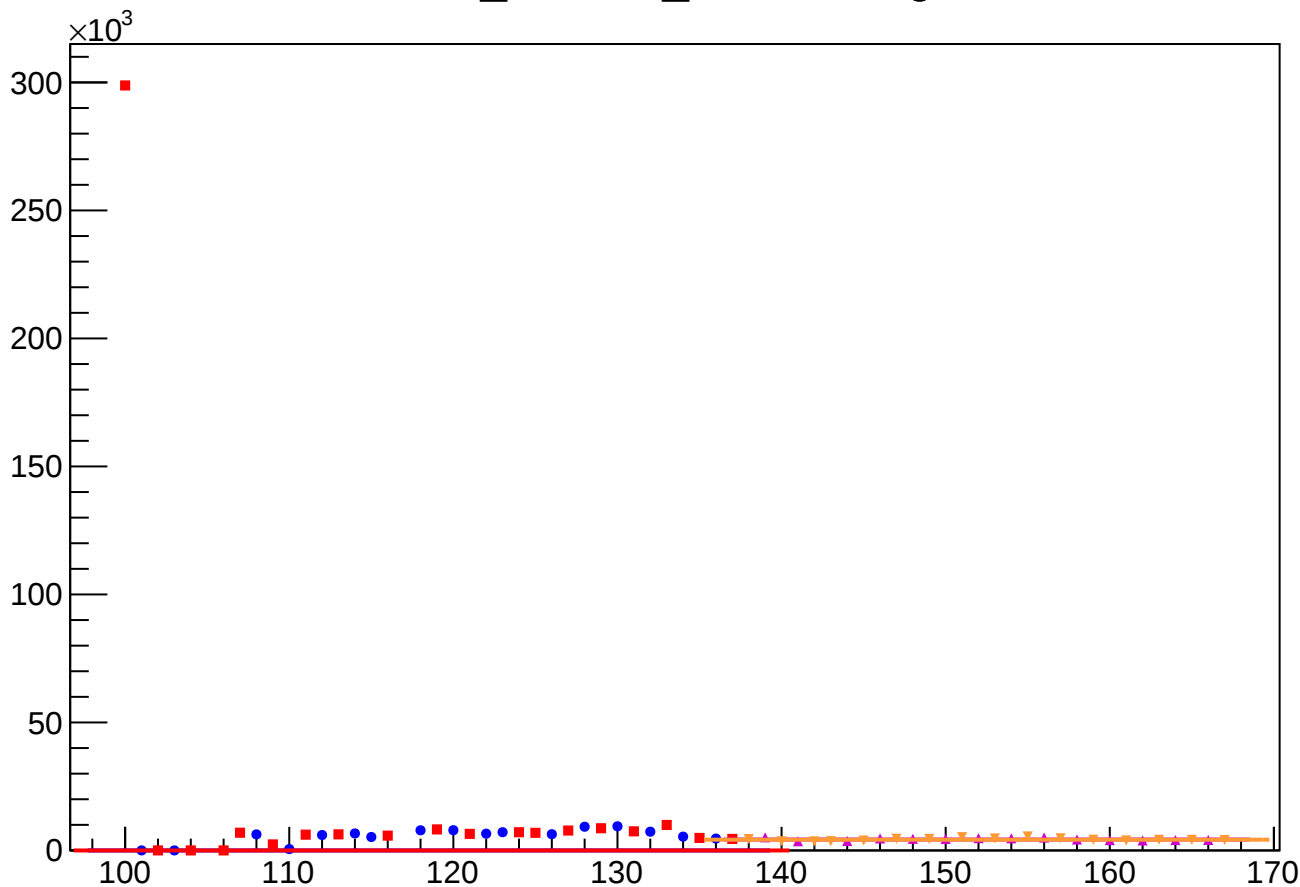
Left In: 0.363+/-1.303 χ^2/NDF : 13.1/13

+ sign -0.024+/-0.021 χ^2/NDF : 82.7/32

All: -0.025+/-0.014 χ^2/NDF : 113.1/65

- sign -0.027+/-0.020 χ^2/NDF : 30.4/32

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

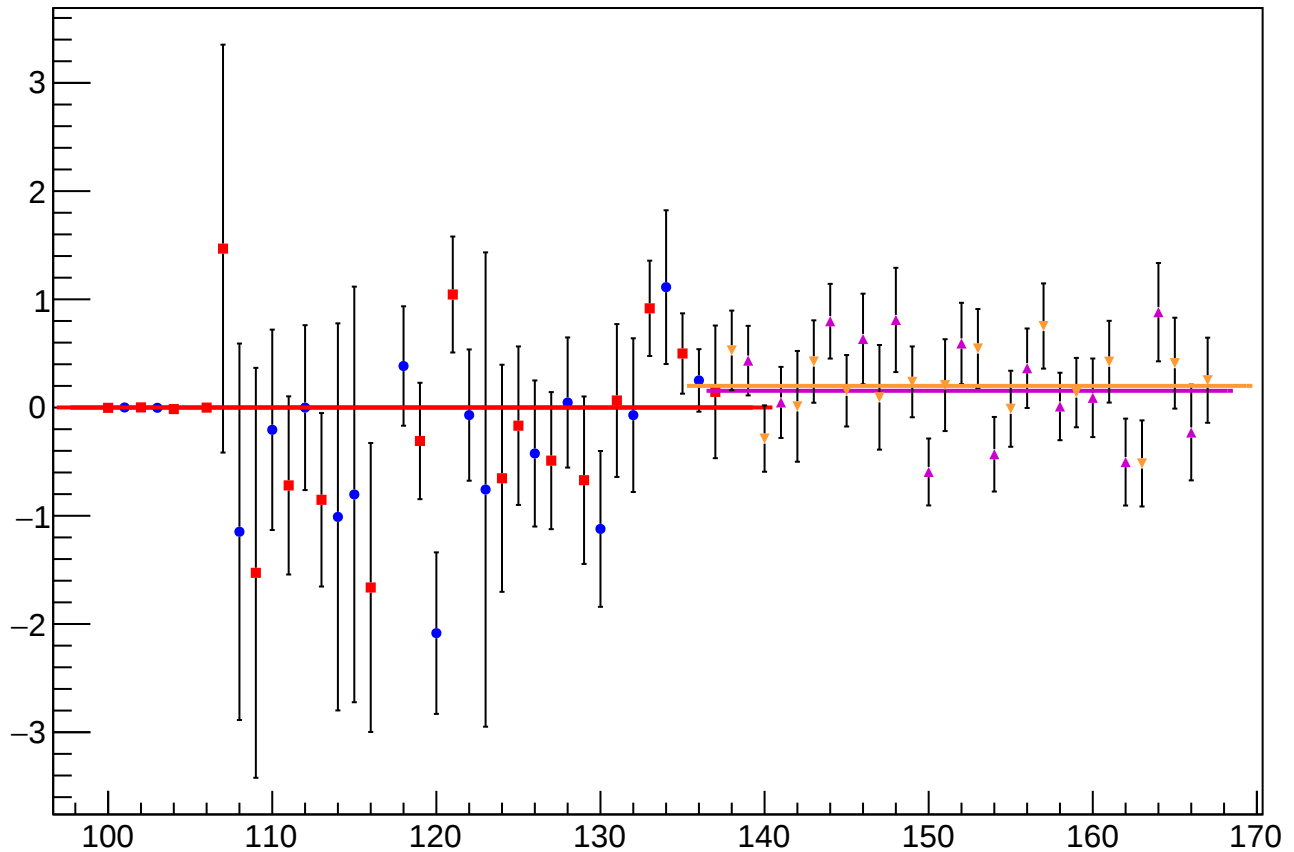
Left In: 4269.961 $\pm$ 0.922 χ^2 /NDF: 261831.9/13

+ sign 18.536 $\pm$ 0.015 χ^2 /NDF: 33918304.3/32

All: 18.384 $\pm$ 0.010 χ^2 /NDF: 66285259.3/65

- sign 18.247 $\pm$ 0.014 χ^2 /NDF: 32366752.7/32

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

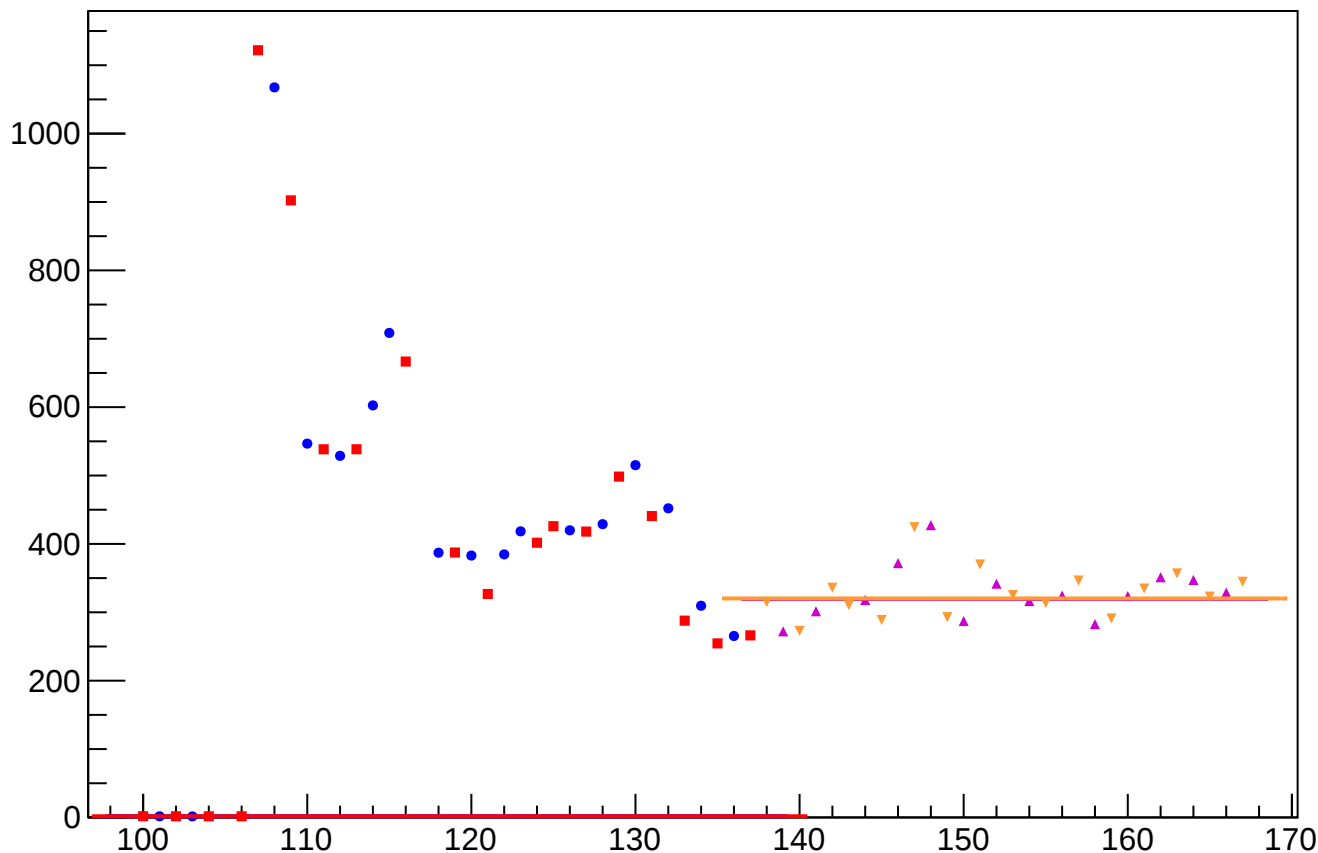
Left In: 0.155 ± 0.098 χ^2/NDF : 24.2/13

+ sign 0.000 ± 0.002 χ^2/NDF : 31.2/32

All: 0.001 ± 0.001 χ^2/NDF : 75.8/65

- sign 0.001 ± 0.002 χ^2/NDF : 44.5/32

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 320.236+/-0.066 χ^2/NDF : 258511.0/15

Right Out: 1.728+/-0.001 χ^2/NDF : 10736674.8/18

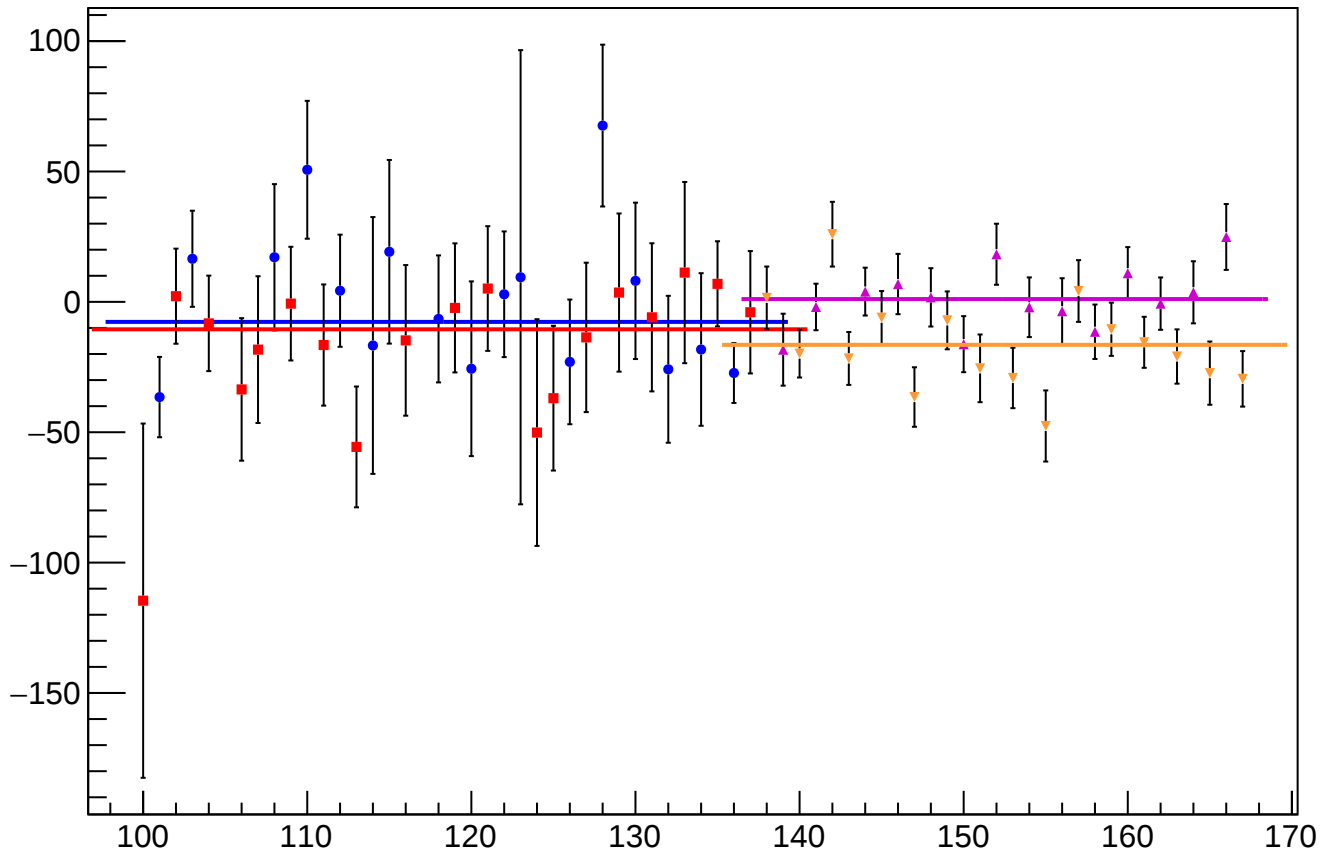
Left In: 319.439+/-0.069 χ^2/NDF : 259478.0/13

+ sign 1.848+/-0.001 χ^2/NDF : 34368809.0/32

All: 1.851+/-0.001 χ^2/NDF : 66508395.3/65

- sign 1.853+/-0.001 χ^2/NDF : 32139578.3/32

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

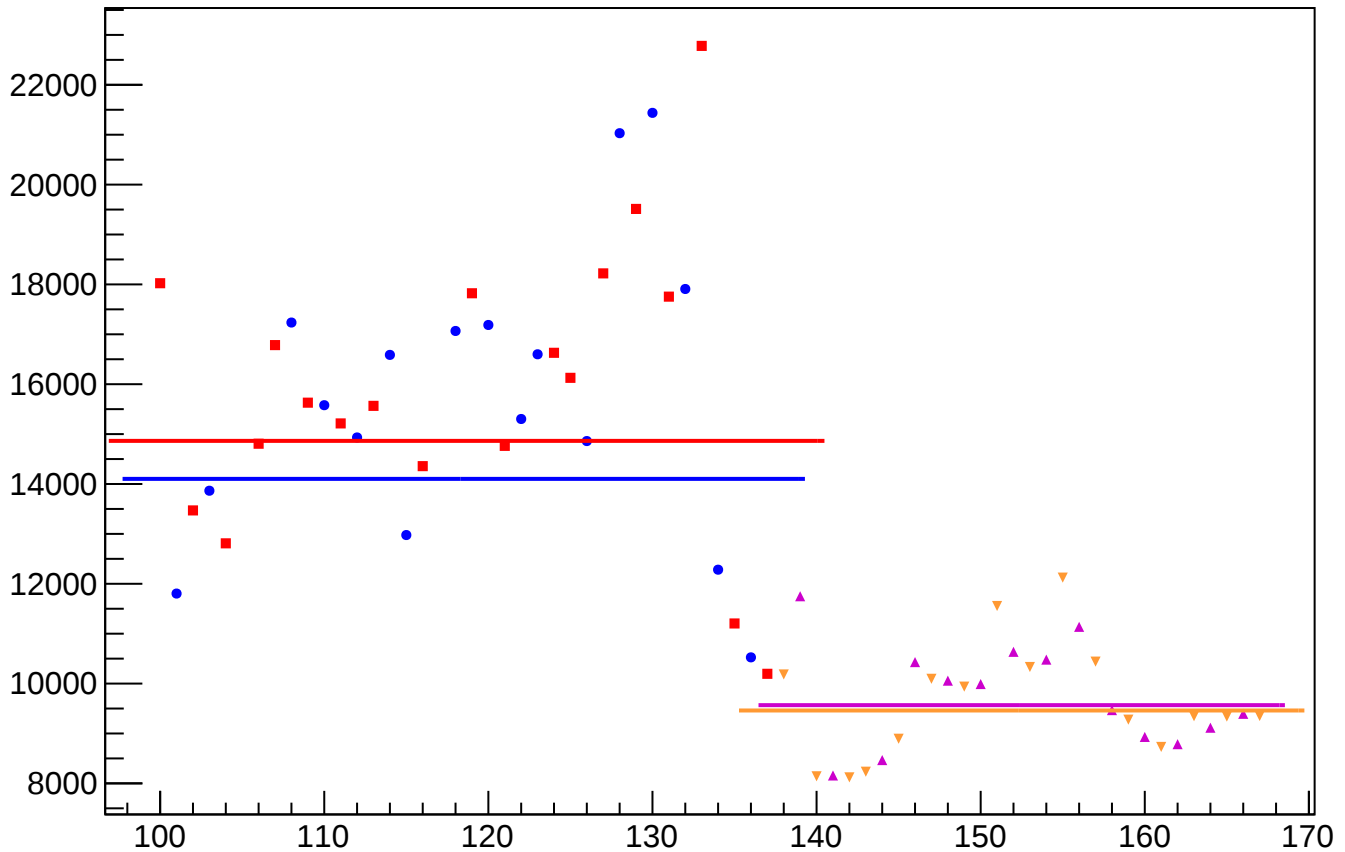
Left In: 1.067 ± 2.918 χ^2/NDF : 13.5/13

+ sign -14.773 ± 2.479 χ^2/NDF : 56.3/32

All: -8.371 ± 1.793 χ^2/NDF : 98.8/65

- sign -1.352 ± 2.596 χ^2/NDF : 28.6/32

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9460.838+/-1.952 χ^2/NDF : 282934.7/15

Right Out: 14864.163+/-4.018 χ^2/NDF : 470280.3/18

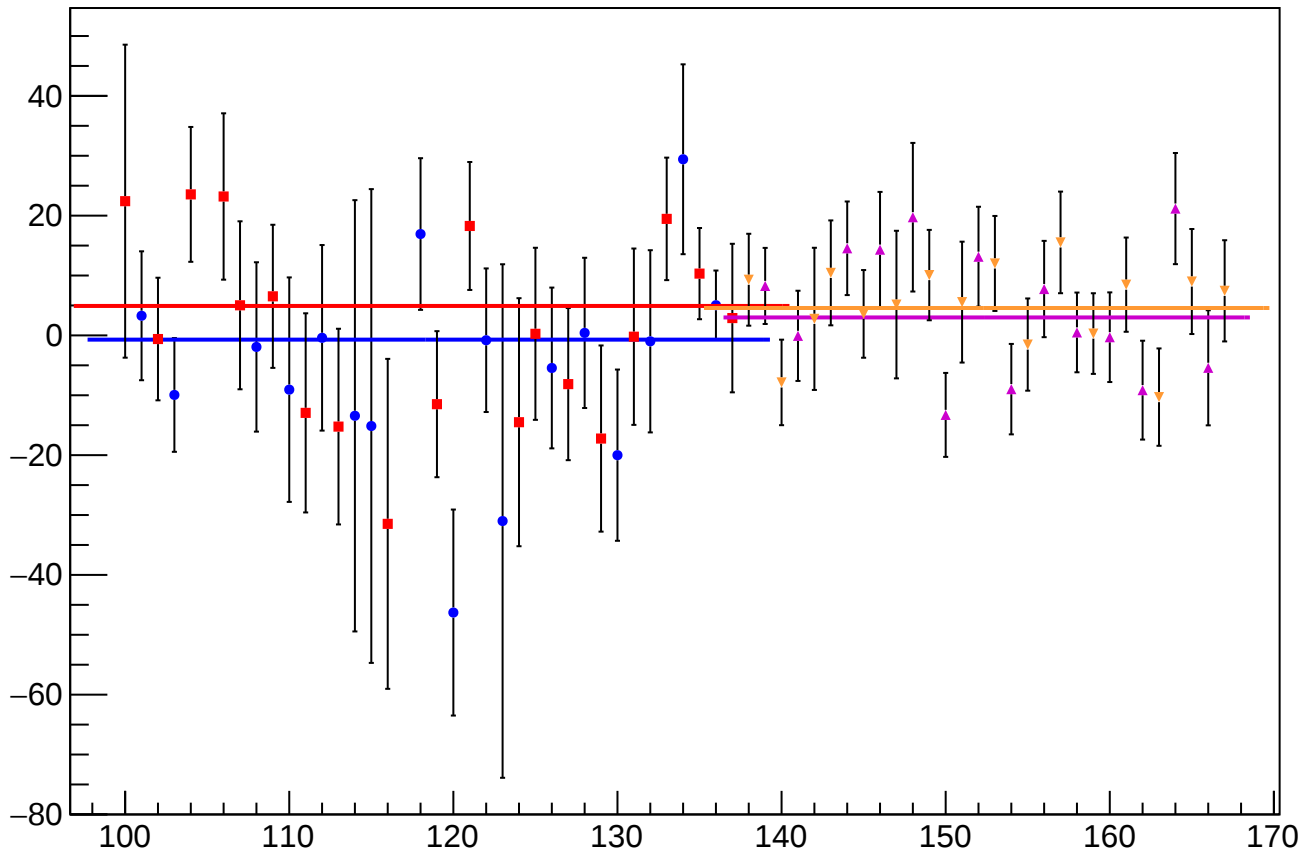
Left In: 9567.691+/-2.063 χ^2/NDF : 230780.3/13

+ sign 10361.579+/-1.753 χ^2/NDF : 1978601.1/32

All: 10510.146+/-1.268 χ^2/NDF : 4069728.8/6

- sign 10673.066+/-1.836 χ^2/NDF : 2076065.7/32

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

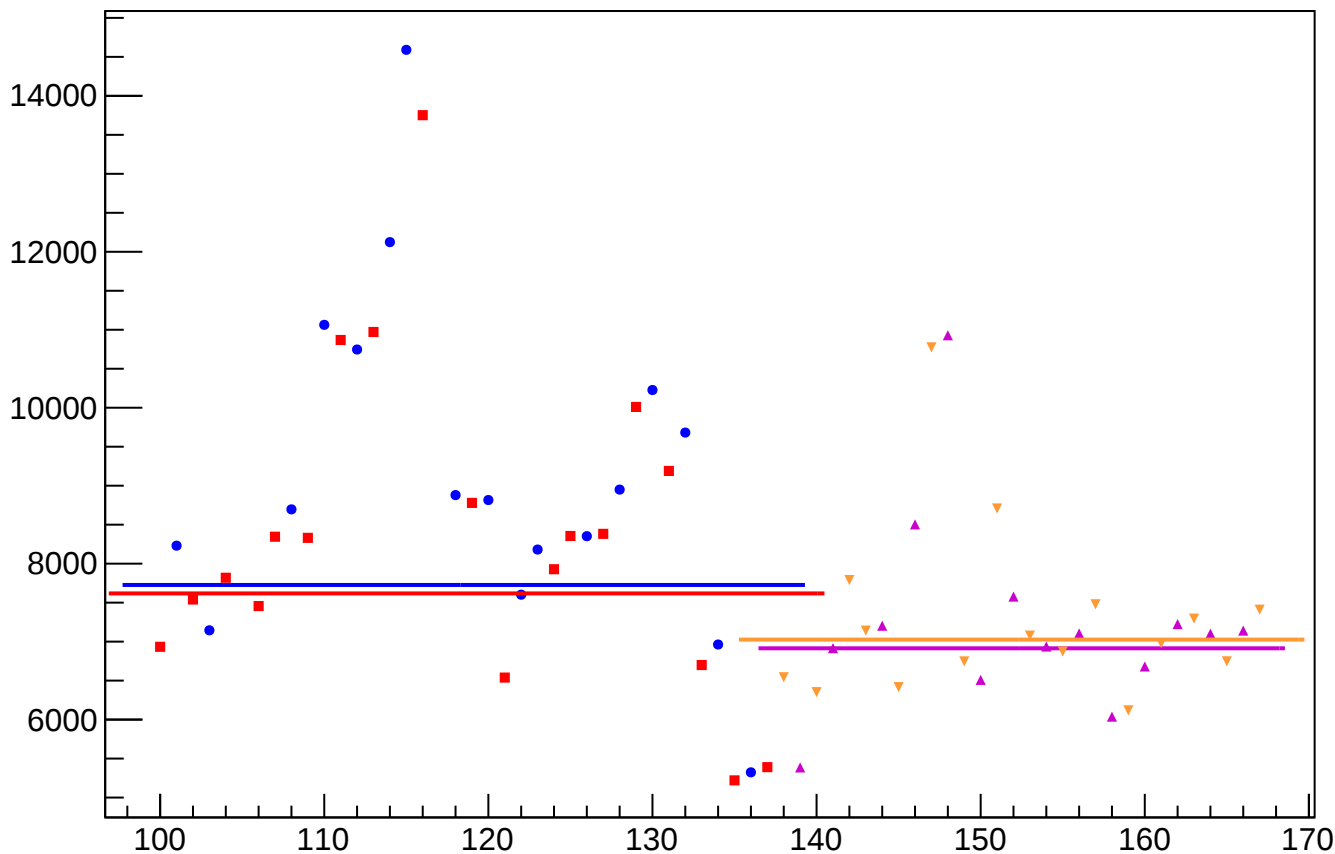
Left In: 2.998 ± 2.126 χ^2/NDF : 23.1/13

+ sign 2.949 ± 1.711 χ^2/NDF : 31.6/32

All: 3.301 ± 1.214 χ^2/NDF : 74.8/65

- sign 3.658 ± 1.723 χ^2/NDF : 43.1/32

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

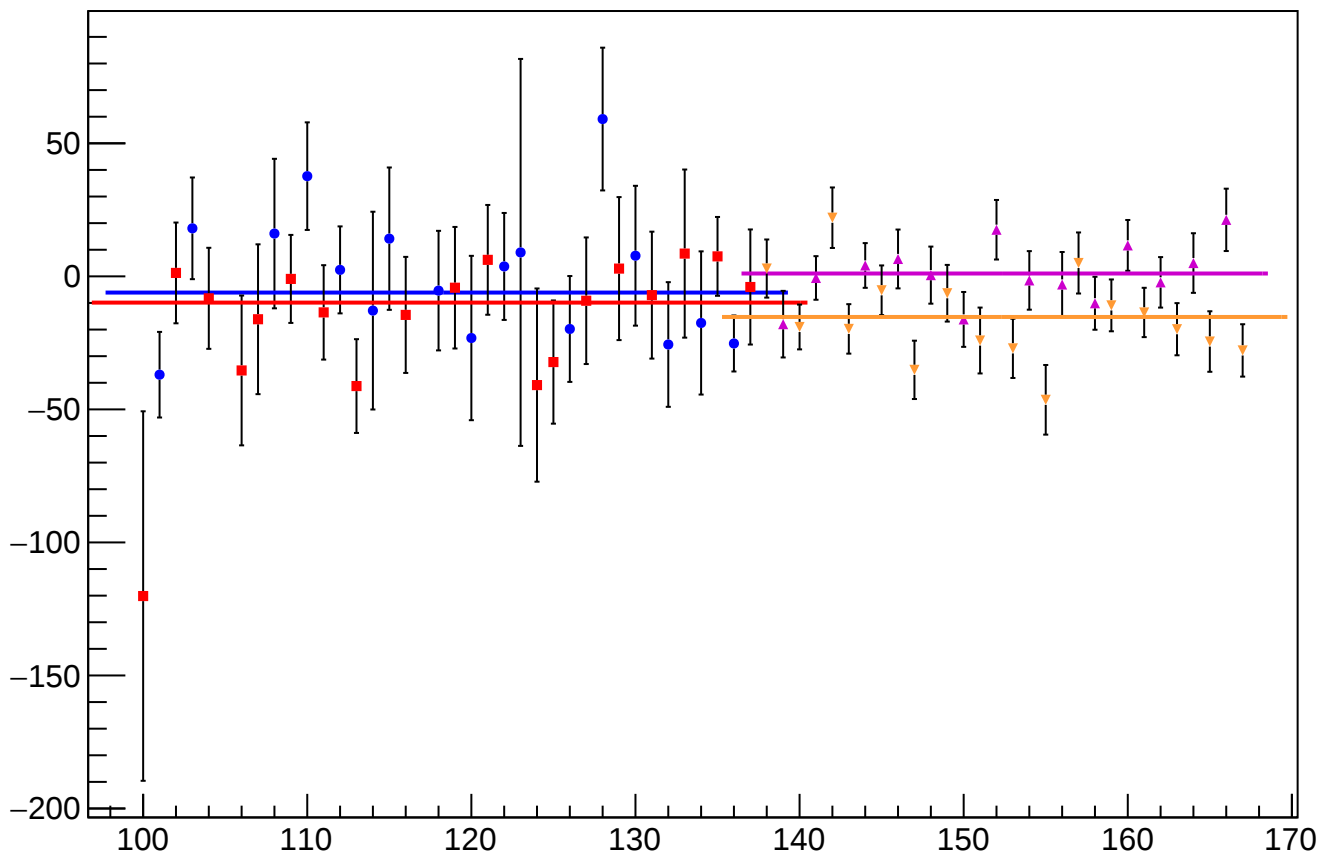
Left In: 6914.314 $\pm$ 1.503 χ^2 /NDF: 443878.6/13

+ sign 7241.844 $\pm$ 1.210 χ^2 /NDF: 1156762.4/32

All: 7199.251 $\pm$ 0.859 χ^2 /NDF: 2353550.1/65

- sign 7156.086 $\pm$ 1.218 χ^2 /NDF: 1194293.2/32

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

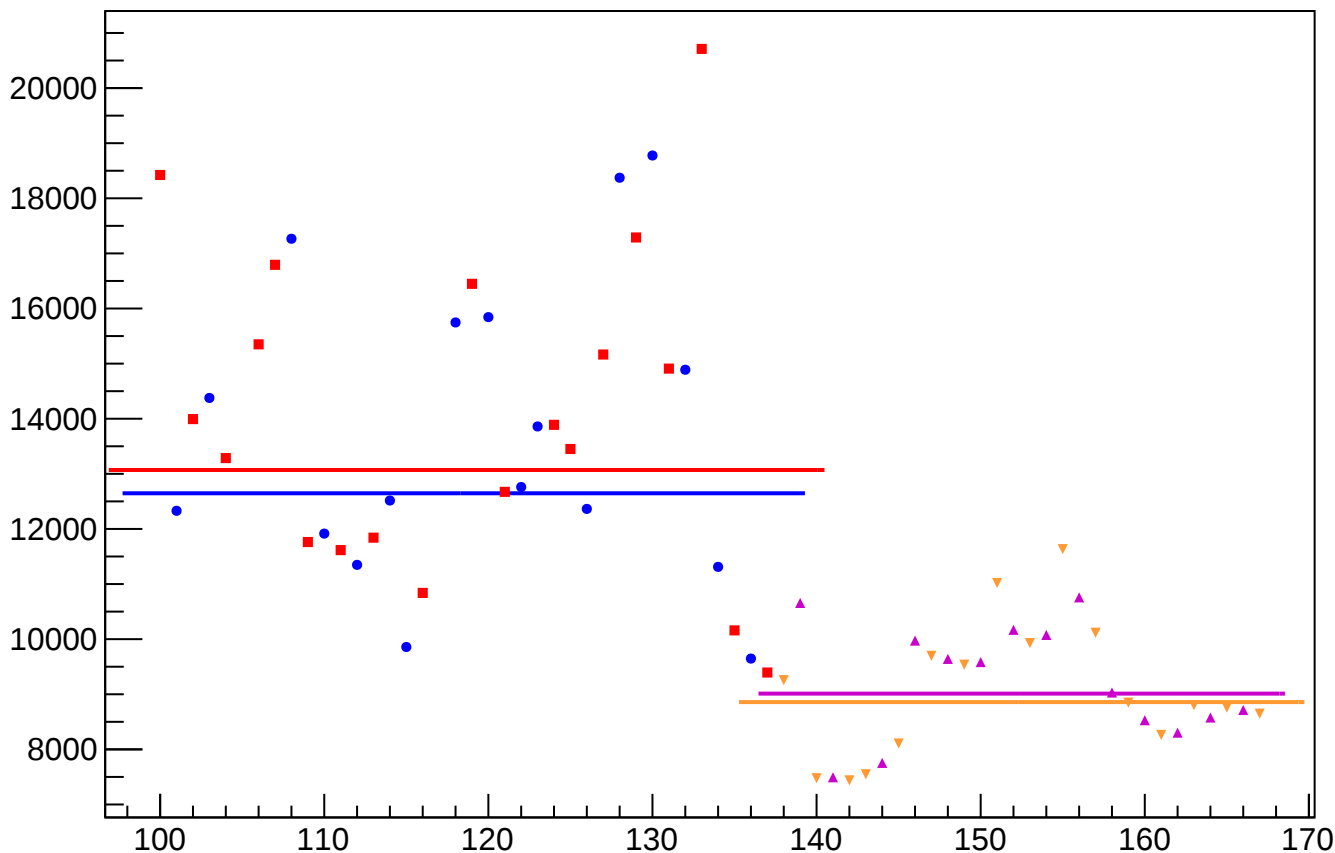
Left In: 1.071 ± 2.751 χ^2/NDF : 13.6/13

+ sign -13.342 ± 2.303 χ^2/NDF : 57.8/32

All: -7.677 ± 1.665 χ^2/NDF : 99.3/65

- sign -1.468 ± 2.411 χ^2/NDF : 28.9/32

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

+ sign 9651.340+/-1.629 χ^2/NDF : 1813443.0/32

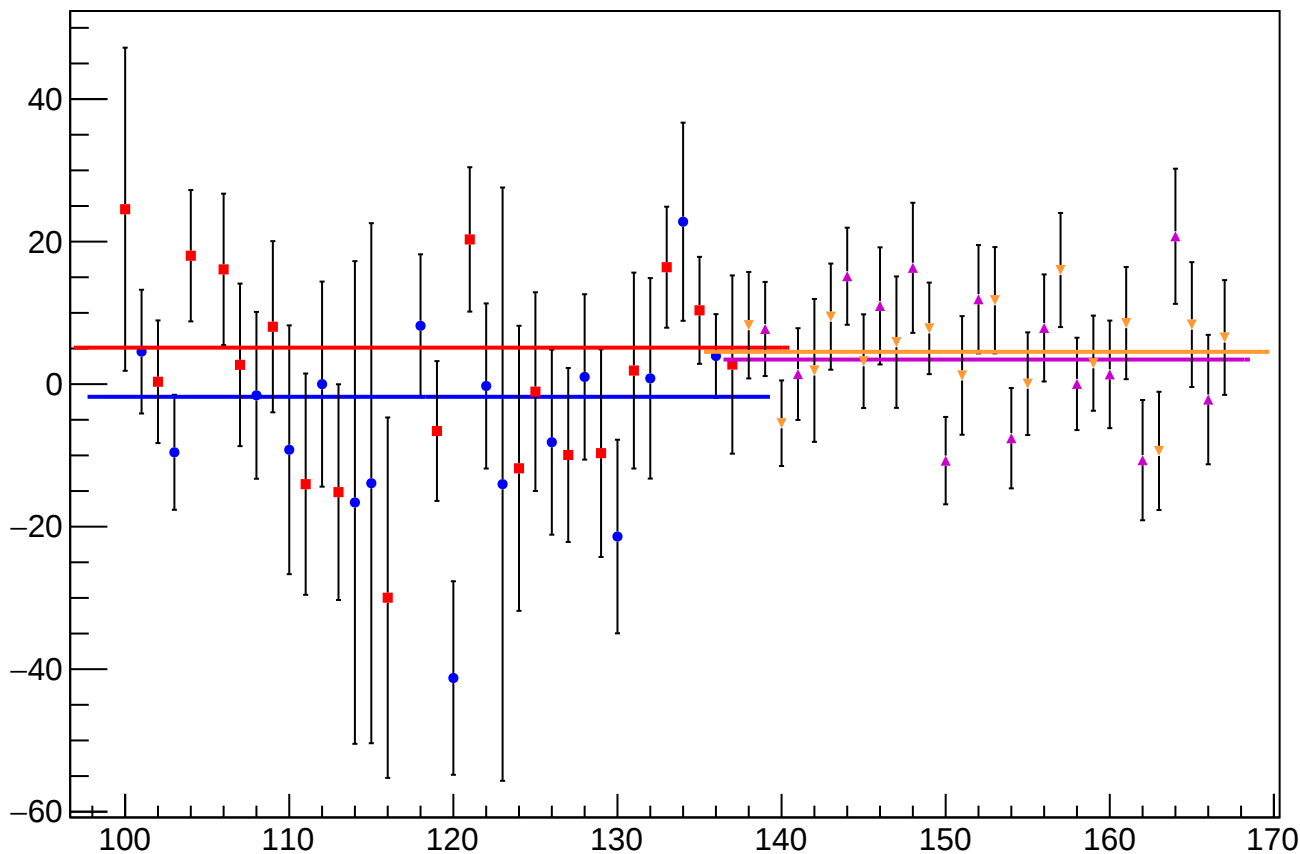
Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

All: 9795.775+/-1.178 χ^2/NDF : 3614140.7/65

Left In: 9011.832+/-1.946 χ^2/NDF : 277802.9/13

- sign 9954.064+/-1.705 χ^2/NDF : 1784210.8/32

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

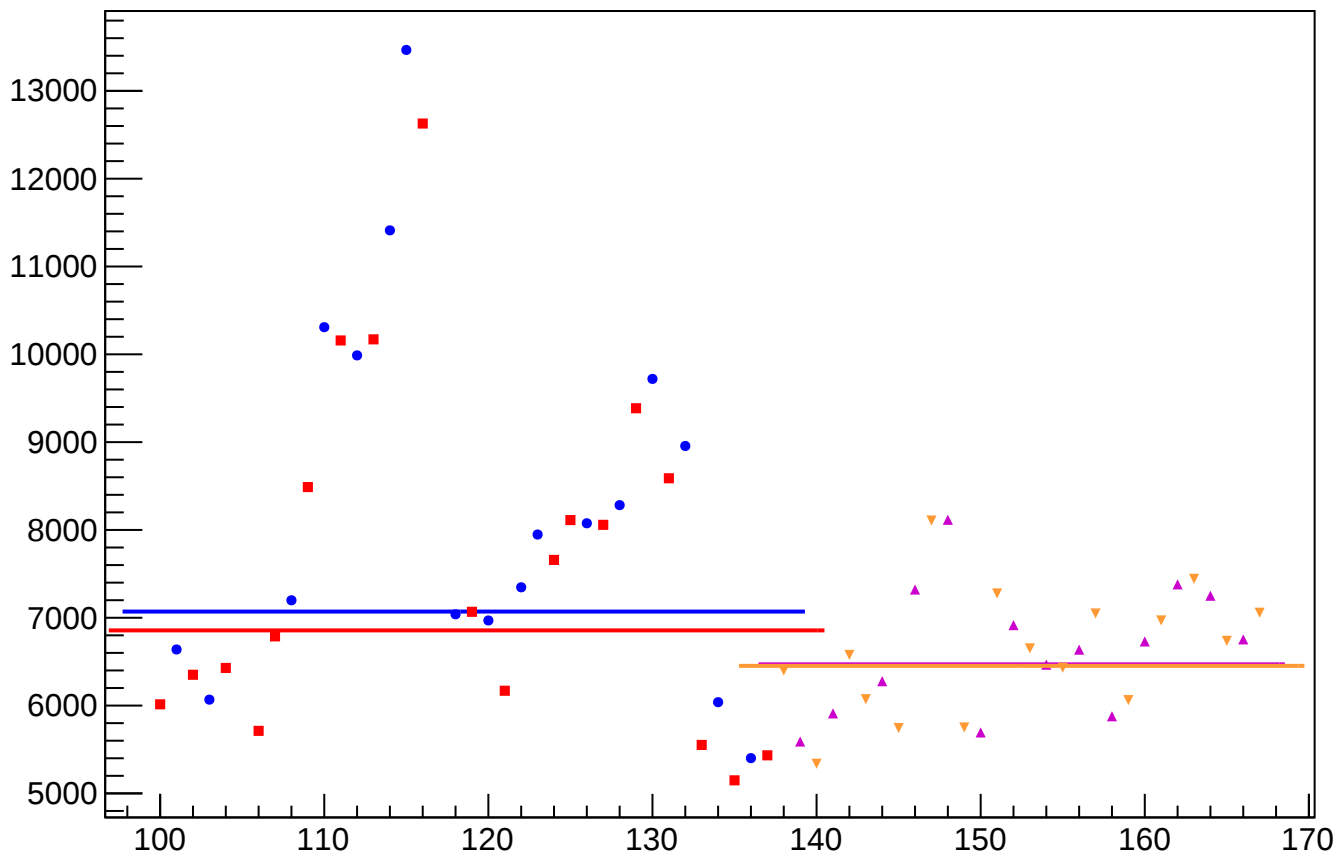
Left In: 3.450 ± 1.977 χ^2/NDF : 22.6/13

+ sign 2.575 ± 1.564 χ^2/NDF : 32.3/32

All: 3.304 ± 1.113 χ^2/NDF : 74.4/65

- sign 4.050 ± 1.583 χ^2/NDF : 41.7/32

diff_bpm4eY_rms vs Slug



Right In: 7070.672 ± 1.984 χ^2/NDF : 601692.5/16

Left Out: 6452.351 ± 1.333 χ^2/NDF : 275593.8/15

Right Out: 6856.136 ± 1.868 χ^2/NDF : 682220.3/18

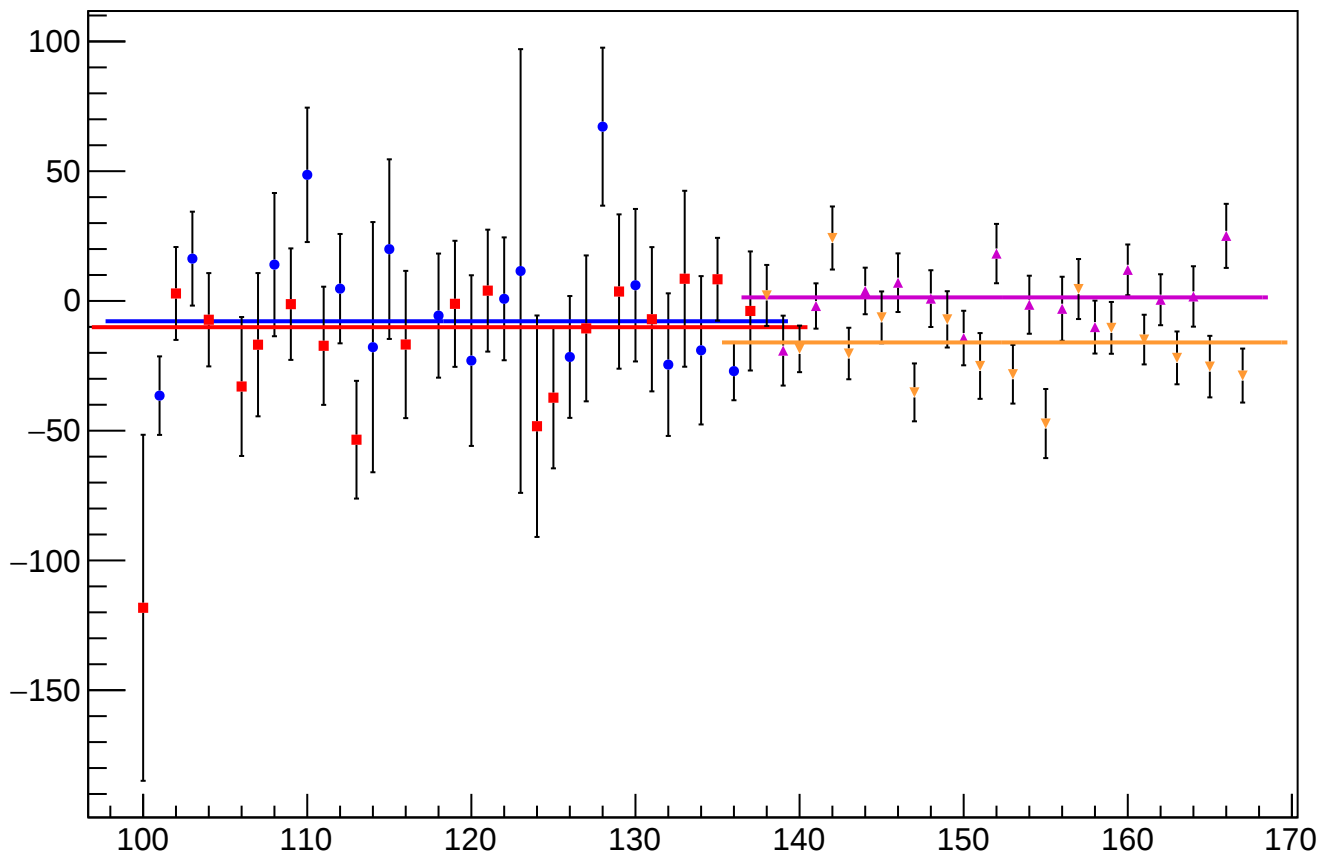
Left In: 6469.652 ± 1.398 χ^2/NDF : 236404.1/13

+ sign 6644.554 ± 1.106 χ^2/NDF : 944213.1/32

All: 6626.680 ± 0.787 χ^2/NDF : 1890803.9/65

- sign 6608.384 ± 1.119 χ^2/NDF : 946062.5/32

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -15.995 ± 2.699 $\chi^2/\text{NDF}: 31.3/15$

Right Out: -10.117 ± 5.571 $\chi^2/\text{NDF}: 12.2/18$

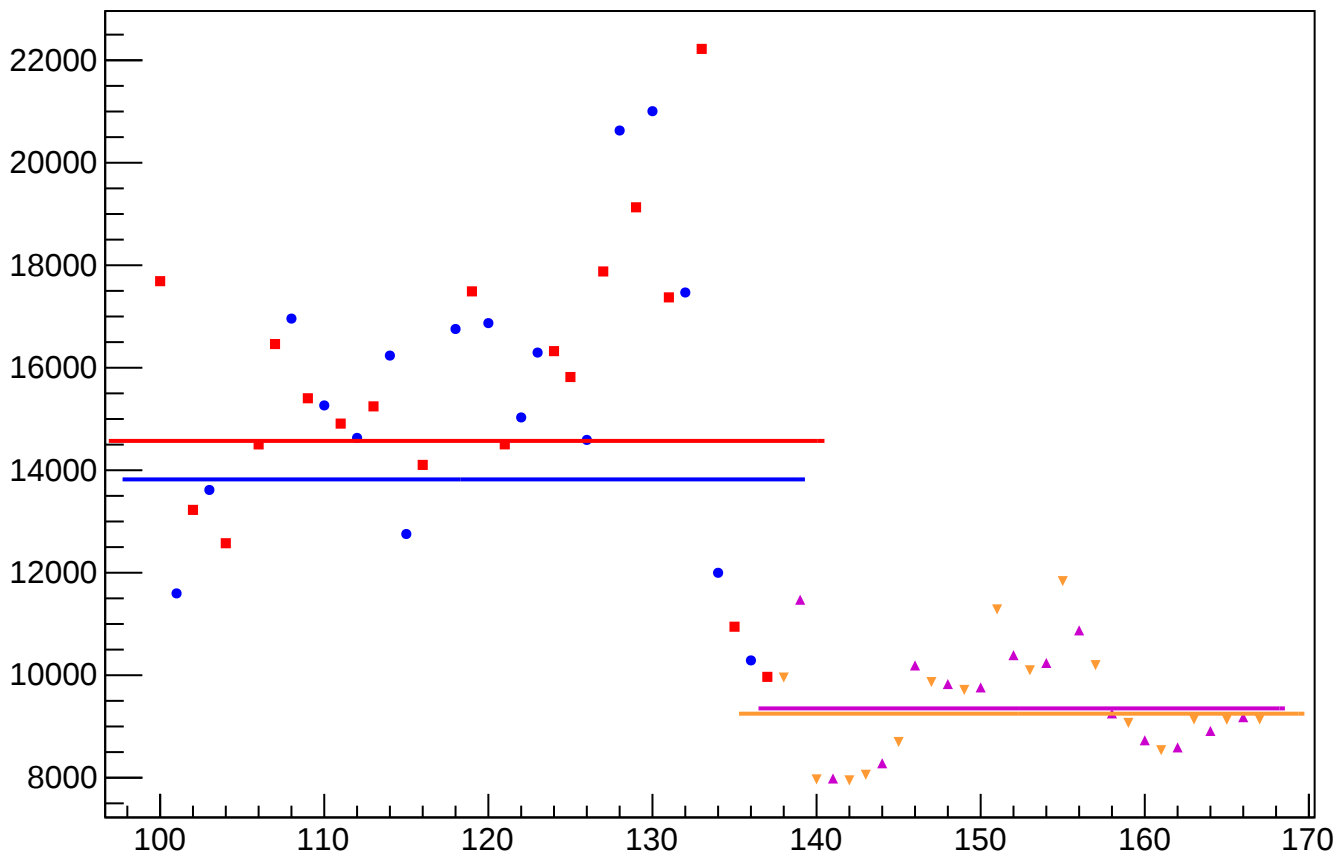
Left In: 1.372 ± 2.852 $\chi^2/\text{NDF}: 13.5/13$

+ sign -14.416 ± 2.425 $\chi^2/\text{NDF}: 55.4/32$

All: -8.024 ± 1.753 $\chi^2/\text{NDF}: 99.0/65$

- sign -1.014 ± 2.539 $\chi^2/\text{NDF}: 29.1/32$

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

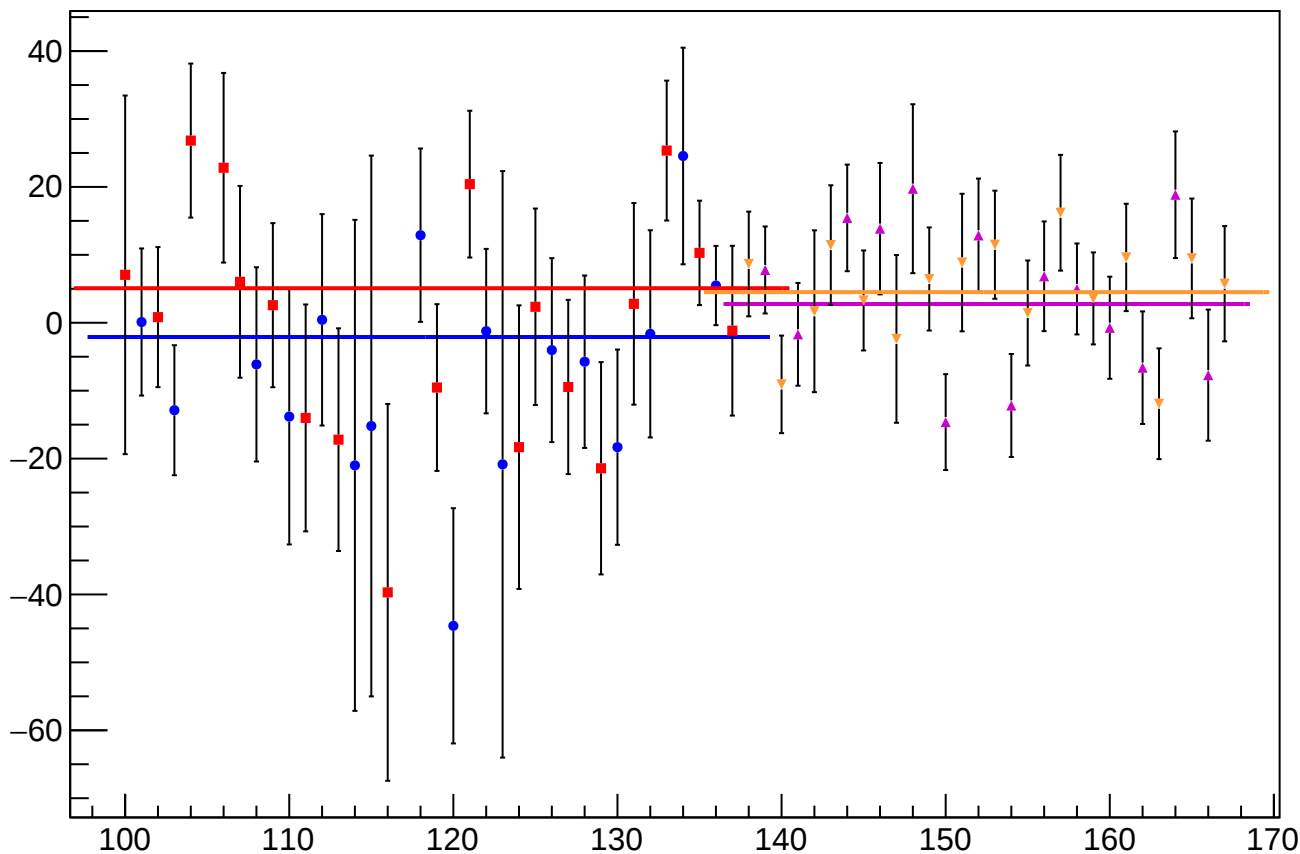
Left In: 9353.014+/-2.017 χ^2/NDF : 228013.2/13

+ sign 10132.977+/-1.714 χ^2/NDF : 1990799.1/32

All: 10278.017+/-1.240 χ^2/NDF : 4097117.0/6

- sign 10437.075+/-1.795 χ^2/NDF : 2091311.6/32

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

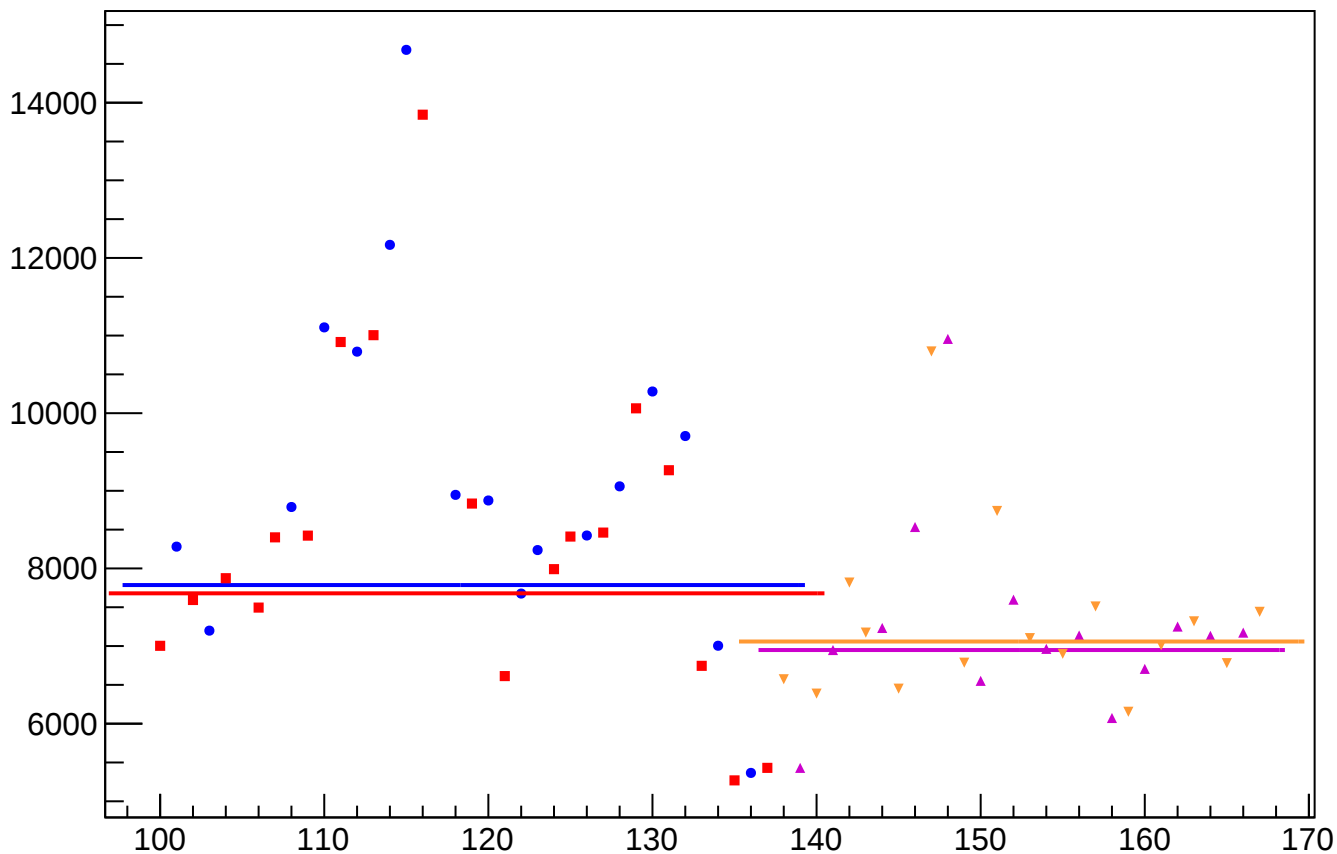
Left In: 2.761 ± 2.136 χ^2/NDF : 24.2/13

+ sign 2.482 ± 1.720 χ^2/NDF : 31.6/32

All: 3.015 ± 1.221 χ^2/NDF : 81.1/65

- sign 3.556 ± 1.733 χ^2/NDF : 49.3/32

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

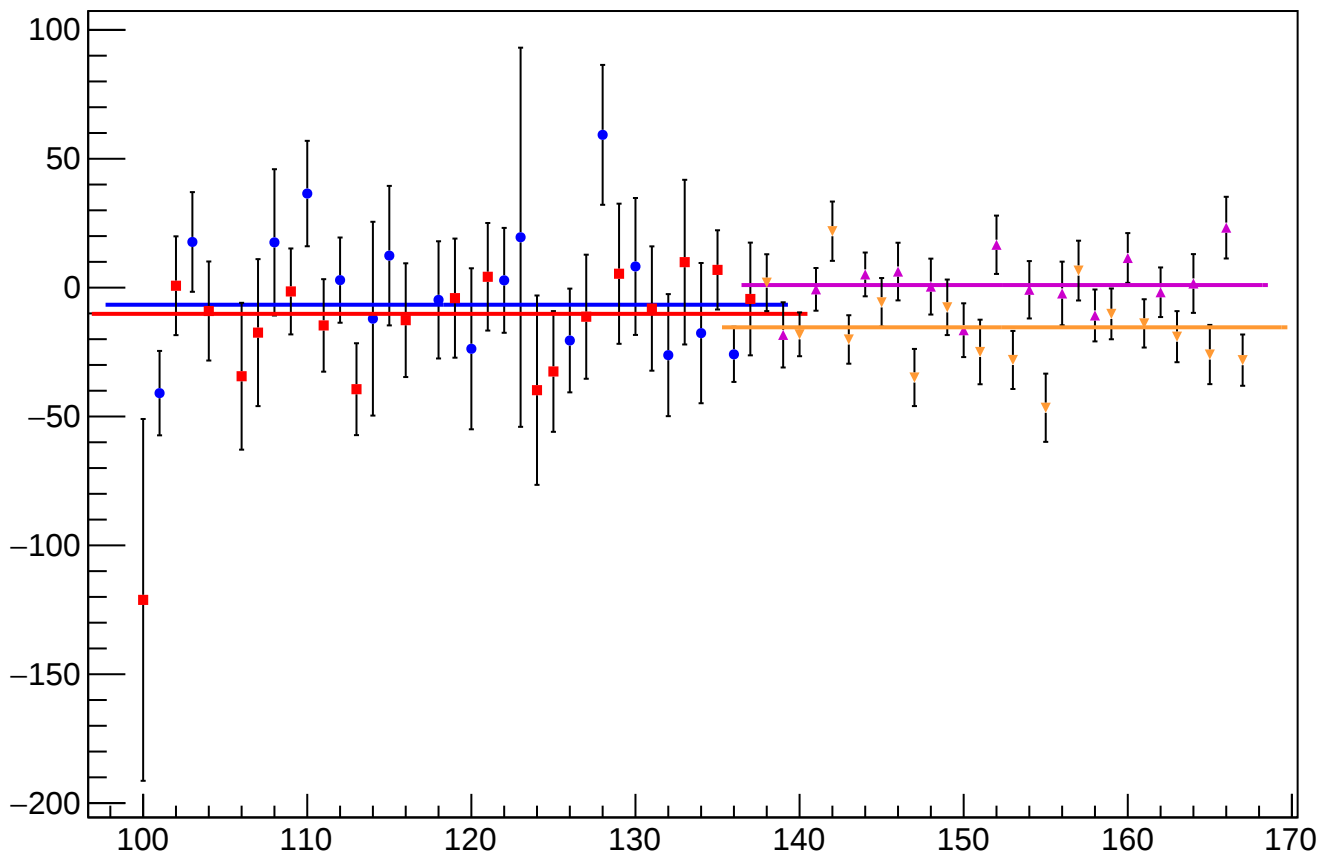
Left In: 6948.736+/-1.511 χ^2/NDF : 436601.4/13

+ sign 7281.643+/-1.217 χ^2/NDF : 1153027.0/32

All: 7240.440+/-0.863 χ^2/NDF : 2340679.1/65

- sign 7198.652+/-1.225 χ^2/NDF : 1185341.7/32

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

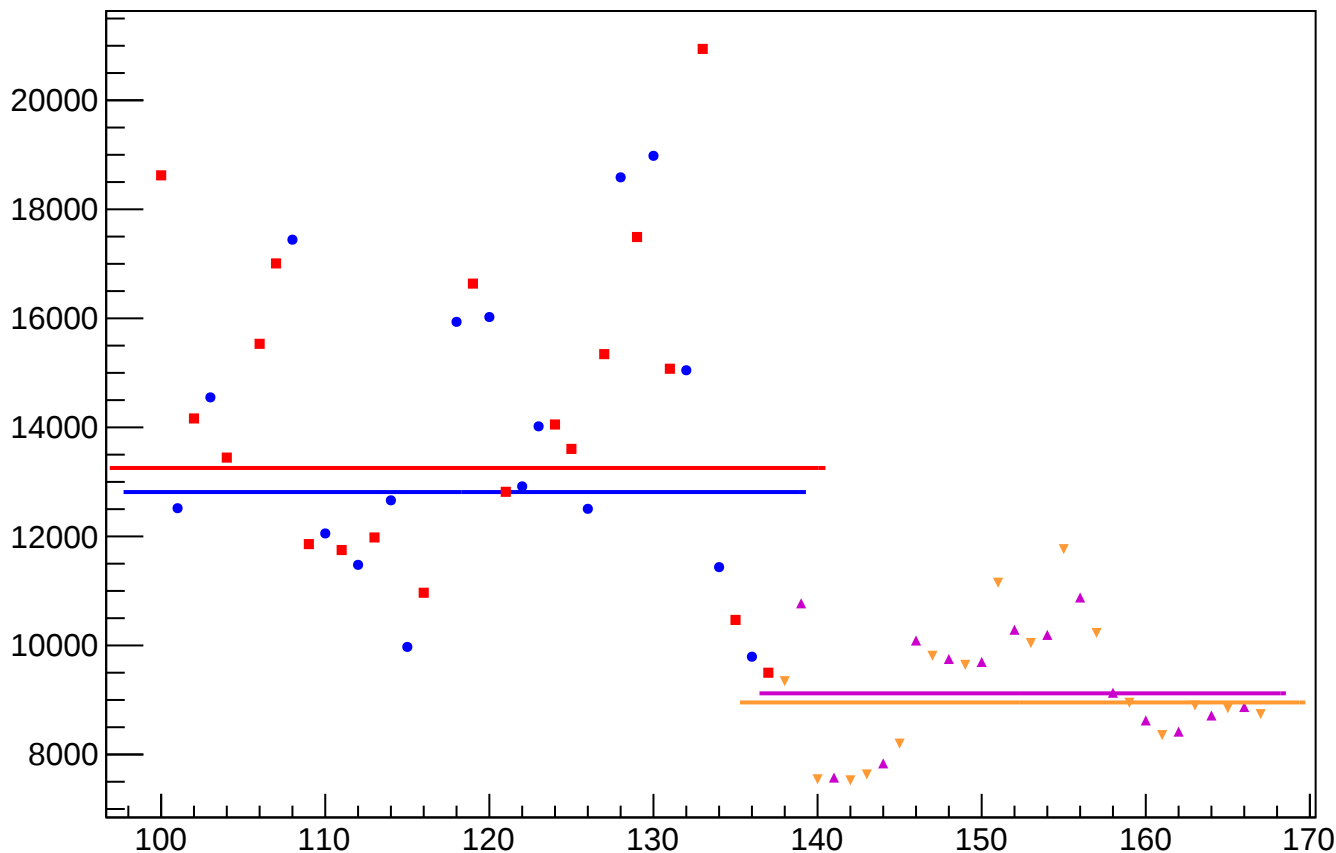
Left In: 1.002 ± 2.786 χ^2/NDF : 13.8/13

+ sign -13.567 ± 2.329 χ^2/NDF : 57.7/32

All: -7.859 ± 1.686 χ^2/NDF : 98.5/65

- sign -1.586 ± 2.442 χ^2/NDF : 28.3/32

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

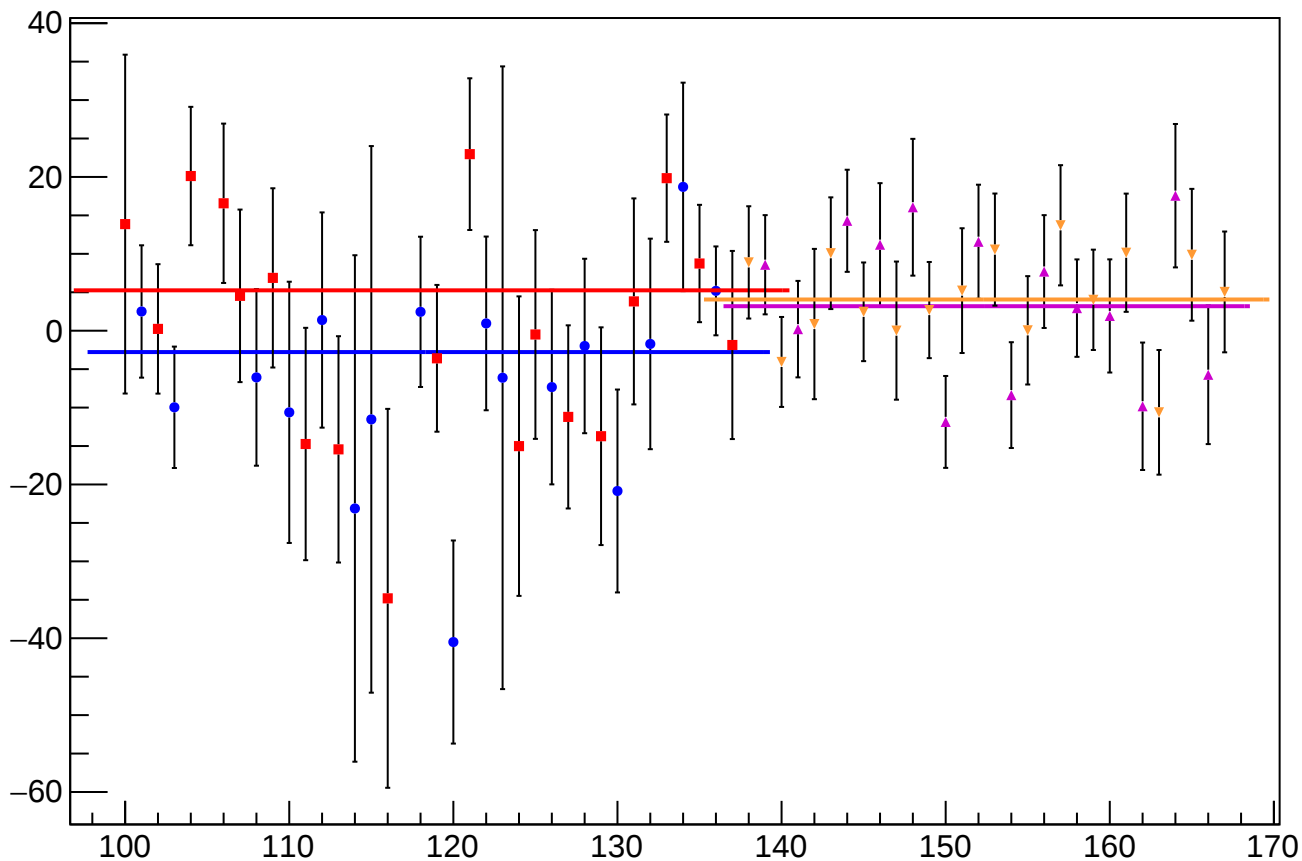
Left In: 9121.730+/-1.970 χ^2/NDF :276995.0/13

+ sign 9759.267+/-1.647 χ^2/NDF : 1818741.5/32

All: 9911.578+/-1.192 χ^2/NDF : 3617742.8/65

- sign 10078.972+/-1.727 χ^2/NDF : 1781053.4/32

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

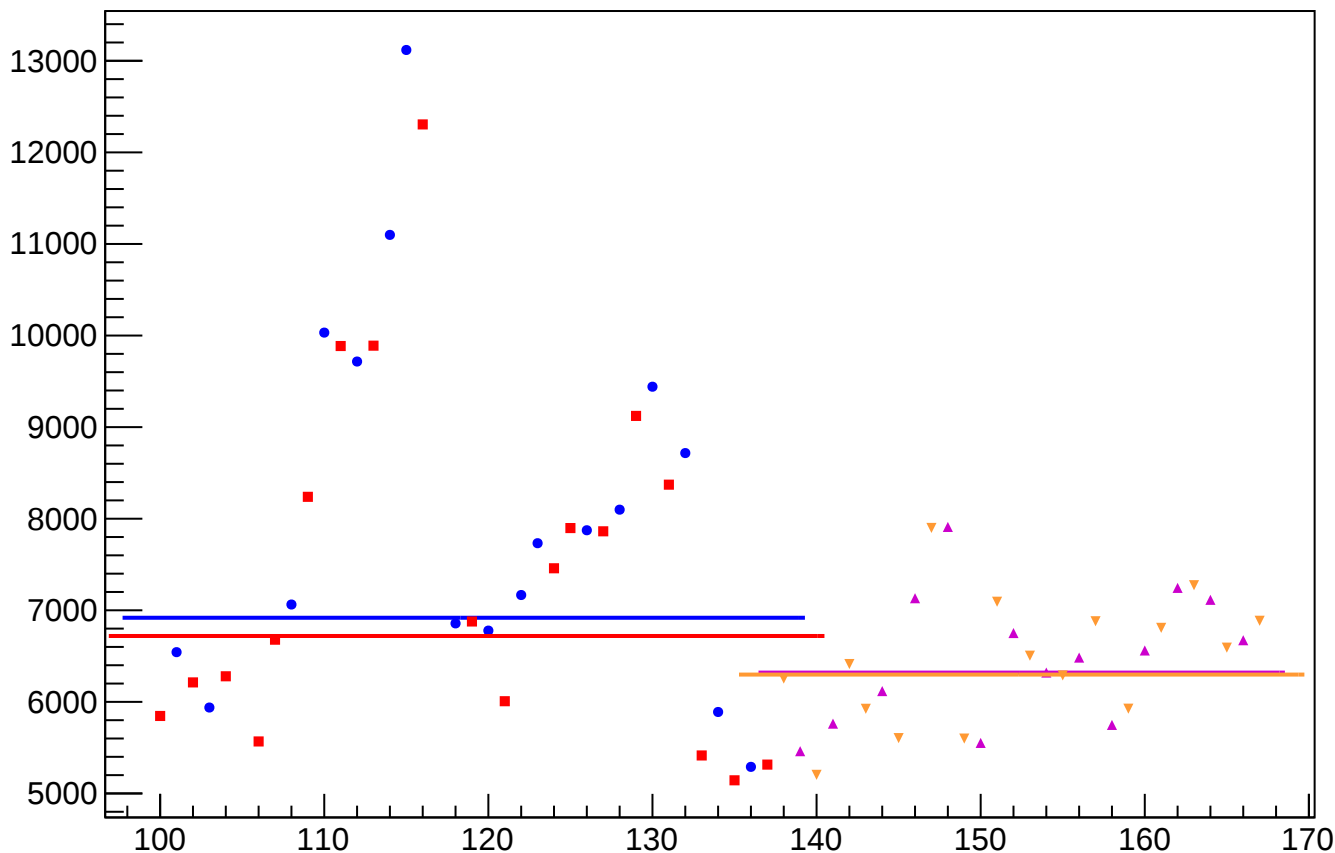
Left In: 3.187 ± 1.932 χ^2/NDF : 23.5/13

+ sign 1.943 ± 1.528 χ^2/NDF : 31.8/32

All: 2.922 ± 1.088 χ^2/NDF : 80.1/65

- sign 3.926 ± 1.549 χ^2/NDF : 47.4/32

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6298.077+/-1.301 χ^2/NDF : 277261.0/15

Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

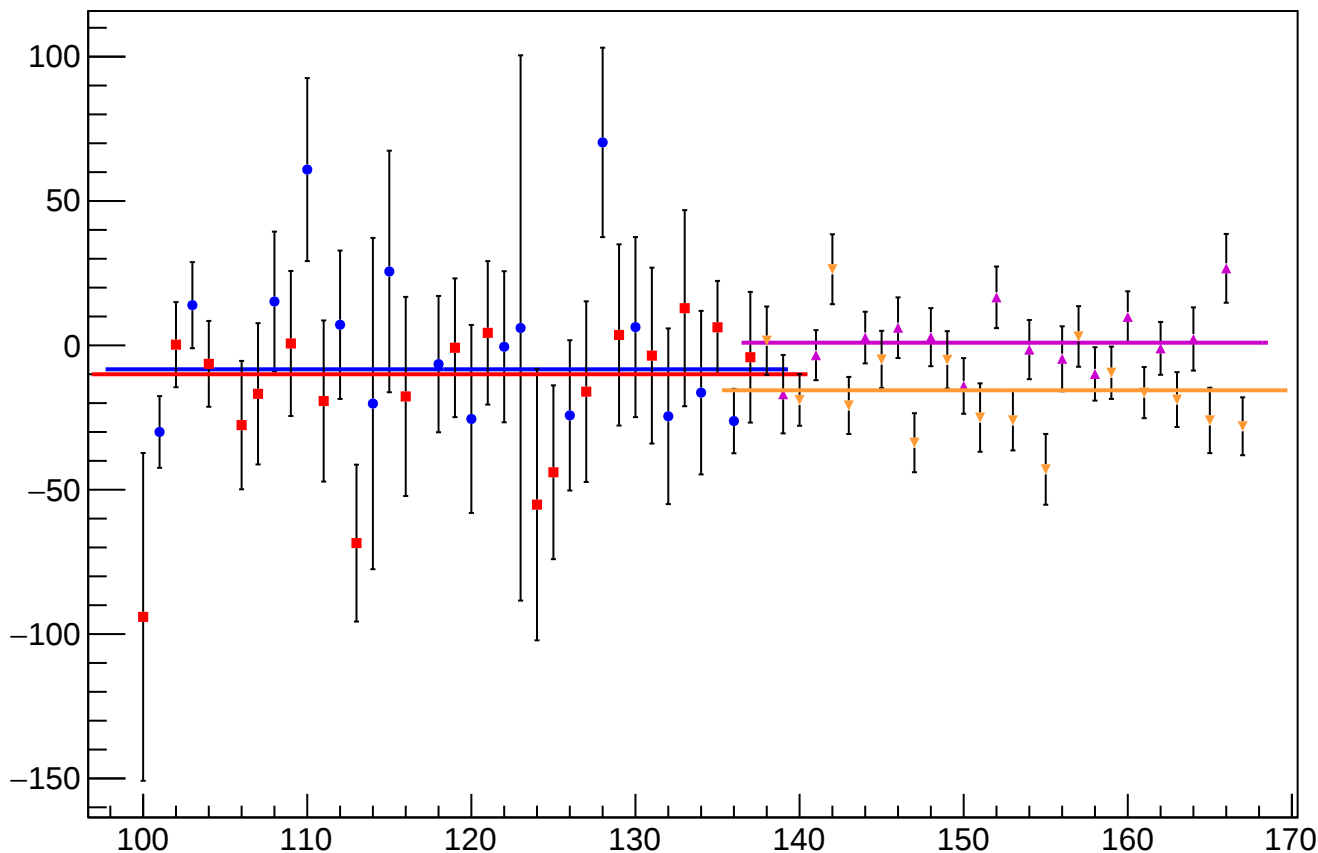
Left In: 6319.731+/-1.366 χ^2/NDF : 239218.5/13

+ sign 6490.161+/-1.081 χ^2/NDF : 935680.8/32

All: 6476.586+/-0.769 χ^2/NDF : 1859654.4/65

- sign 6462.652+/-1.095 χ^2/NDF : 923653.9/32

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -15.559 ± 2.562 χ^2/NDF : 32.7/15

Right Out: -10.007 ± 5.513 χ^2/NDF : 12.9/18

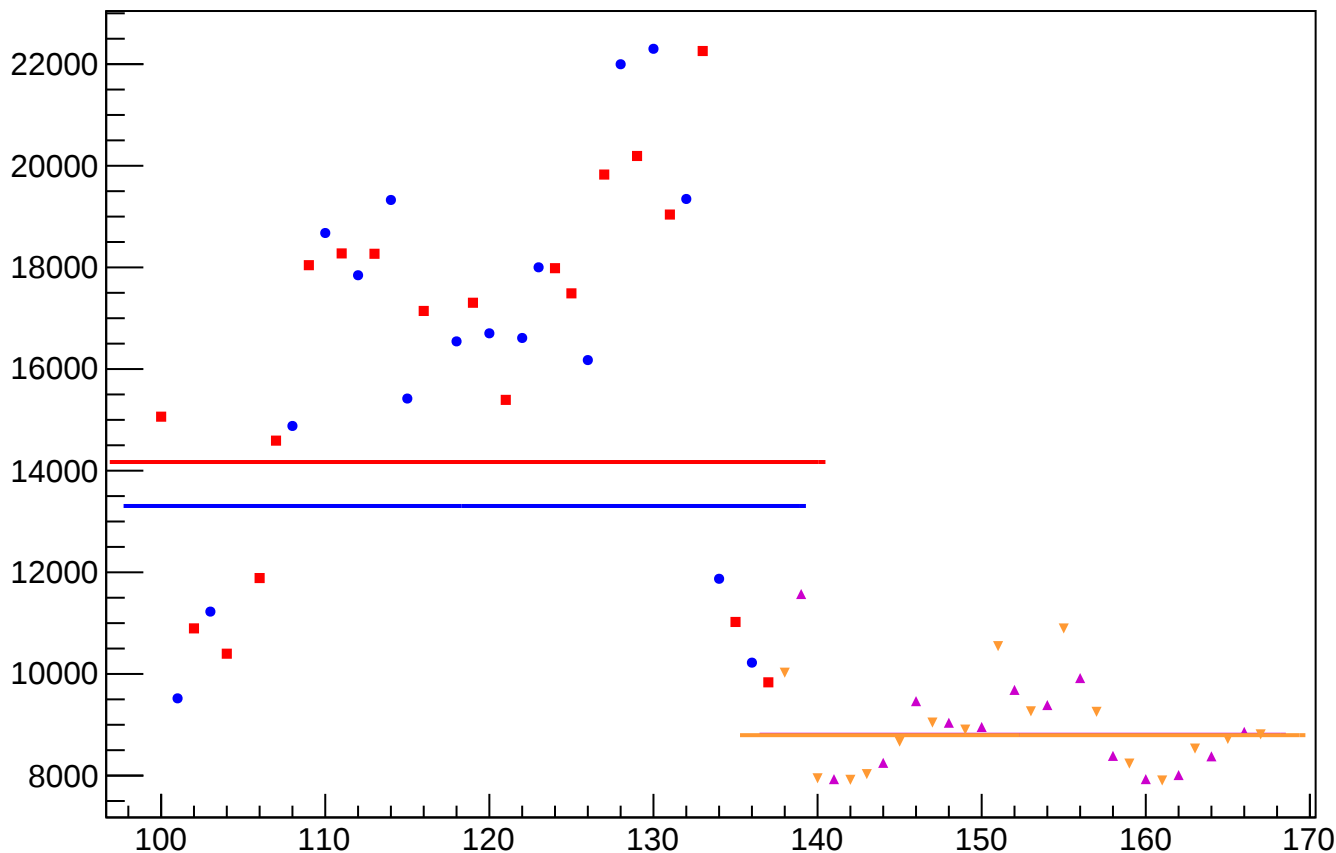
Left In: 0.928 ± 2.684 χ^2/NDF : 14.3/13

+ sign -14.226 ± 2.316 χ^2/NDF : 55.9/32

All: -7.965 ± 1.671 χ^2/NDF : 101.5/65

- sign -1.167 ± 2.413 χ^2/NDF : 30.4/32

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

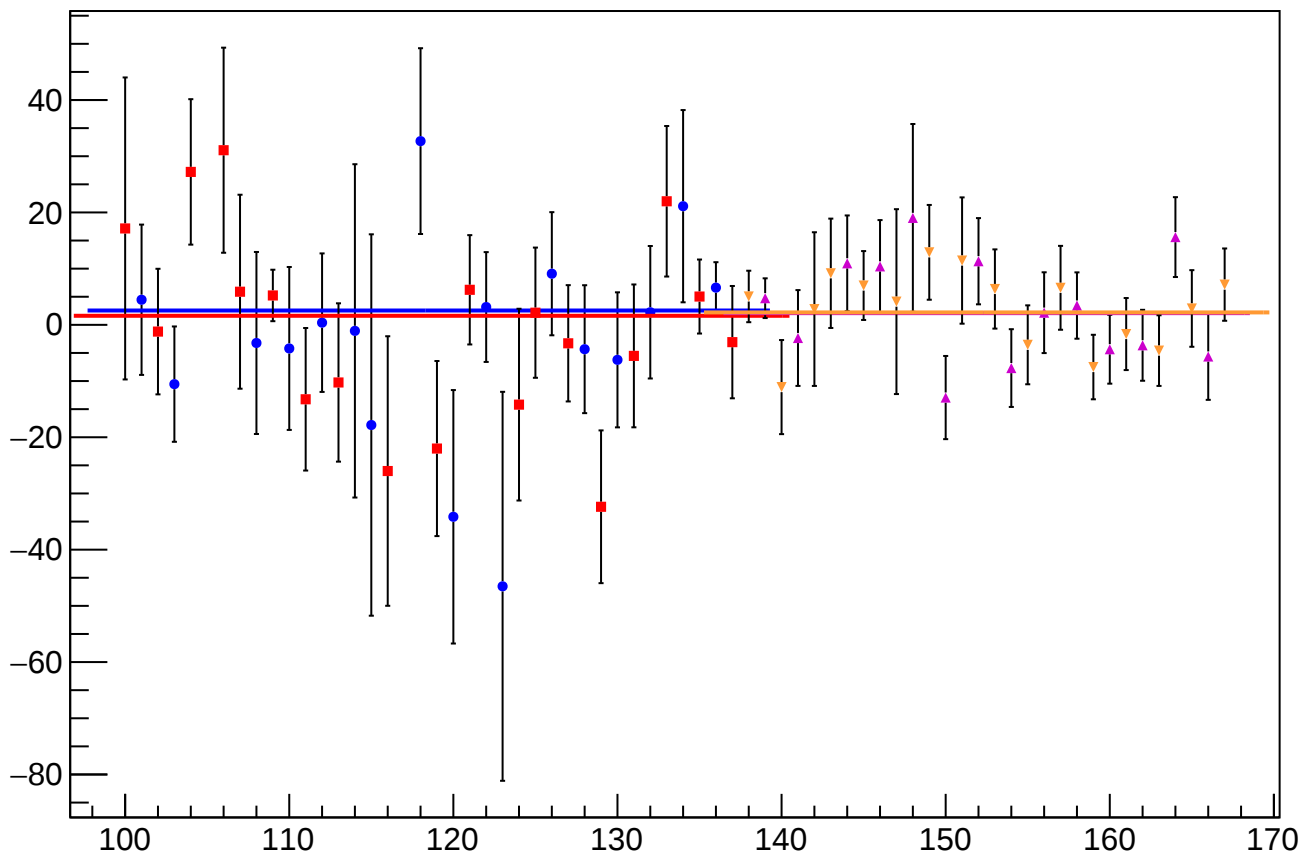
Left In: 8804.016+/-1.898 χ^2/NDF : 201838.7/13

+ sign 9621.721+/-1.637 χ^2/NDF : 2382942.8/32

All: 9722.597+/-1.181 χ^2/NDF : 5055406.4/65

- sign 9832.135+/-1.706 χ^2/NDF : 2664547.1/32

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

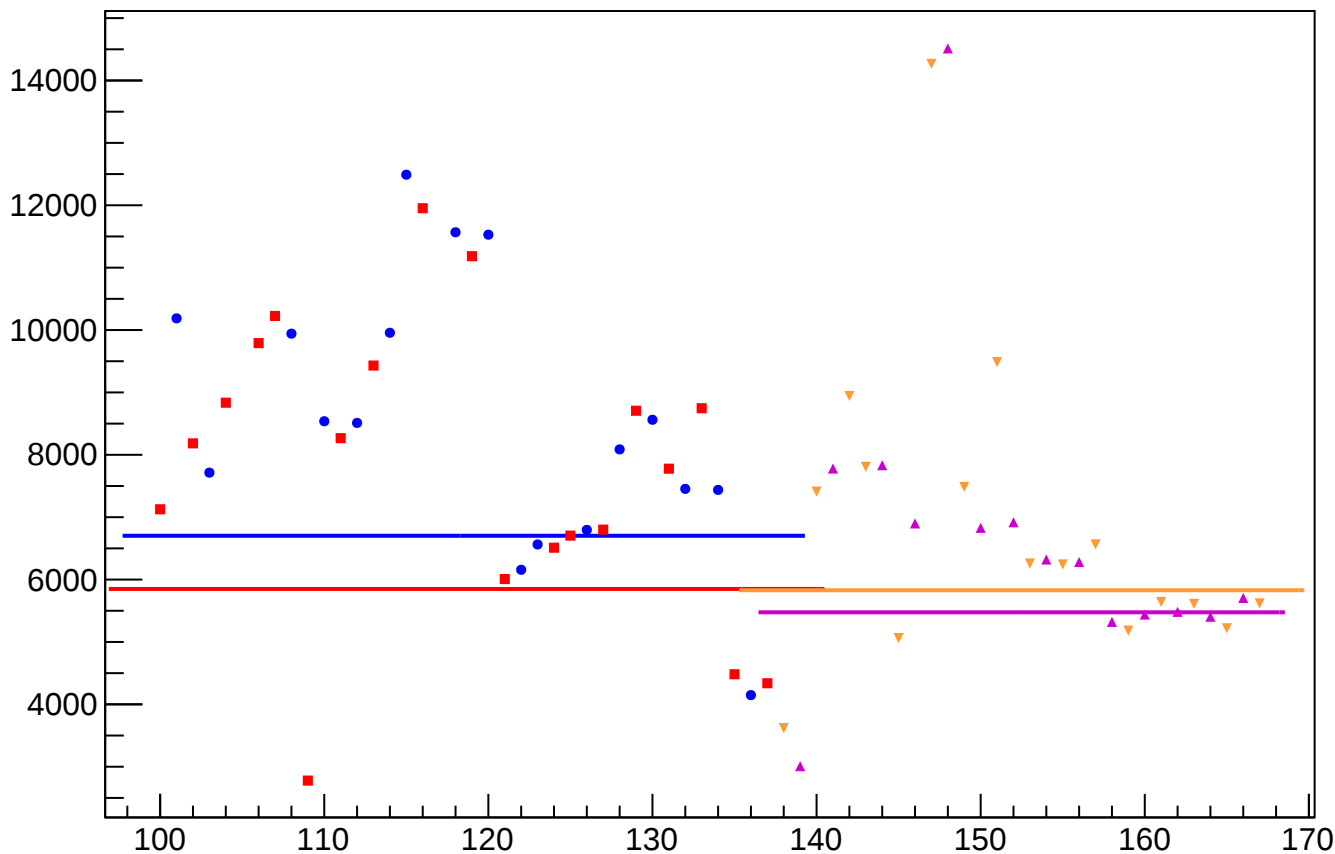
Left In: 2.083 ± 1.772 χ^2/NDF : 18.1/13

+ sign 2.311 ± 1.498 χ^2/NDF : 26.3/32

All: 2.108 ± 1.036 χ^2/NDF : 68.5/65

- sign 1.921 ± 1.434 χ^2/NDF : 42.2/32

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

+ sign 6086.849+/-1.059 χ^2/NDF : 3183179.5/32

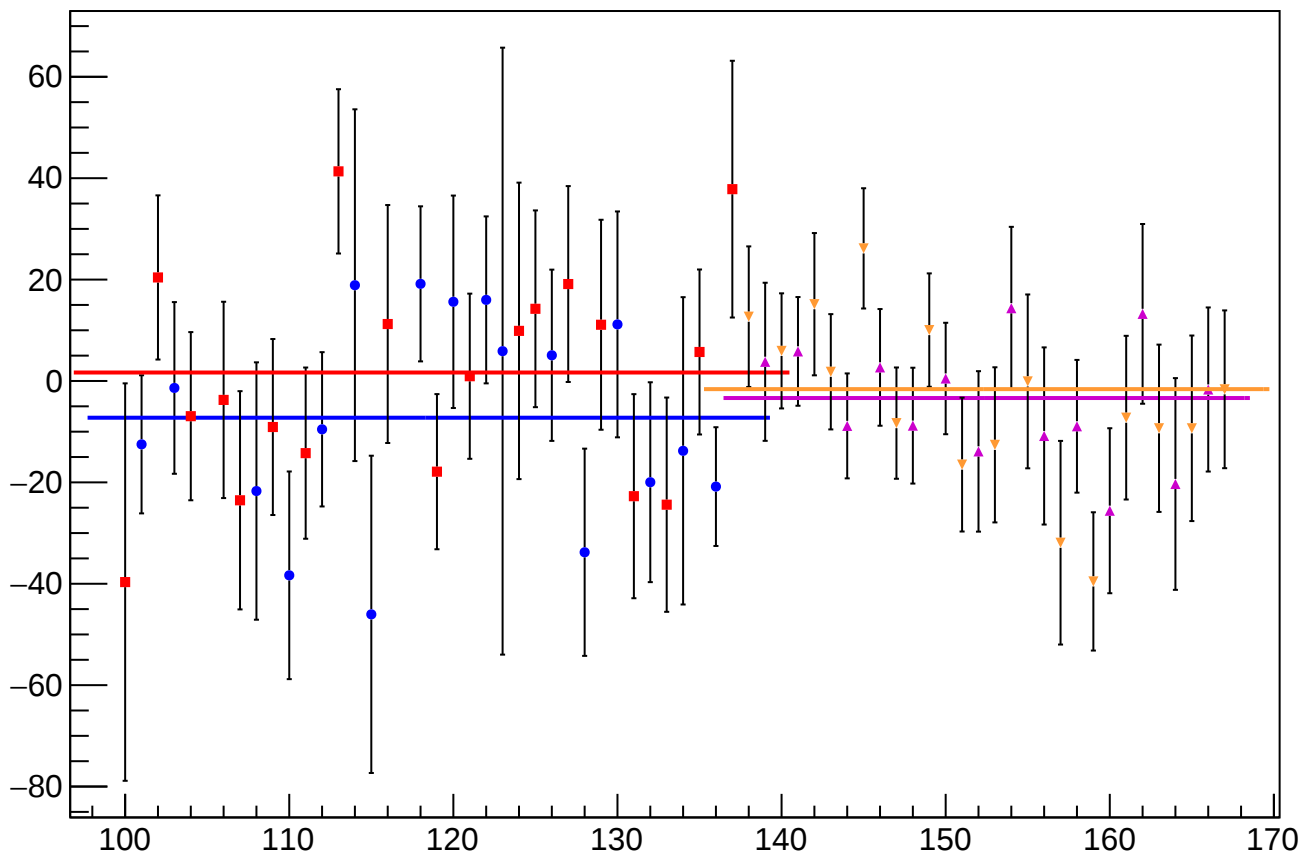
Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

All: 5835.258+/-0.732 χ^2/NDF : 7715580.0/65

Left In: 5475.562+/-1.253 χ^2/NDF : 2114992.9/13

- sign 5604.537+/-1.014 χ^2/NDF : 4424192.9/32

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: -1.608 ± 3.428 χ^2/NDF : 22.3/15

Right Out: 1.671 ± 4.373 χ^2/NDF : 19.9/18

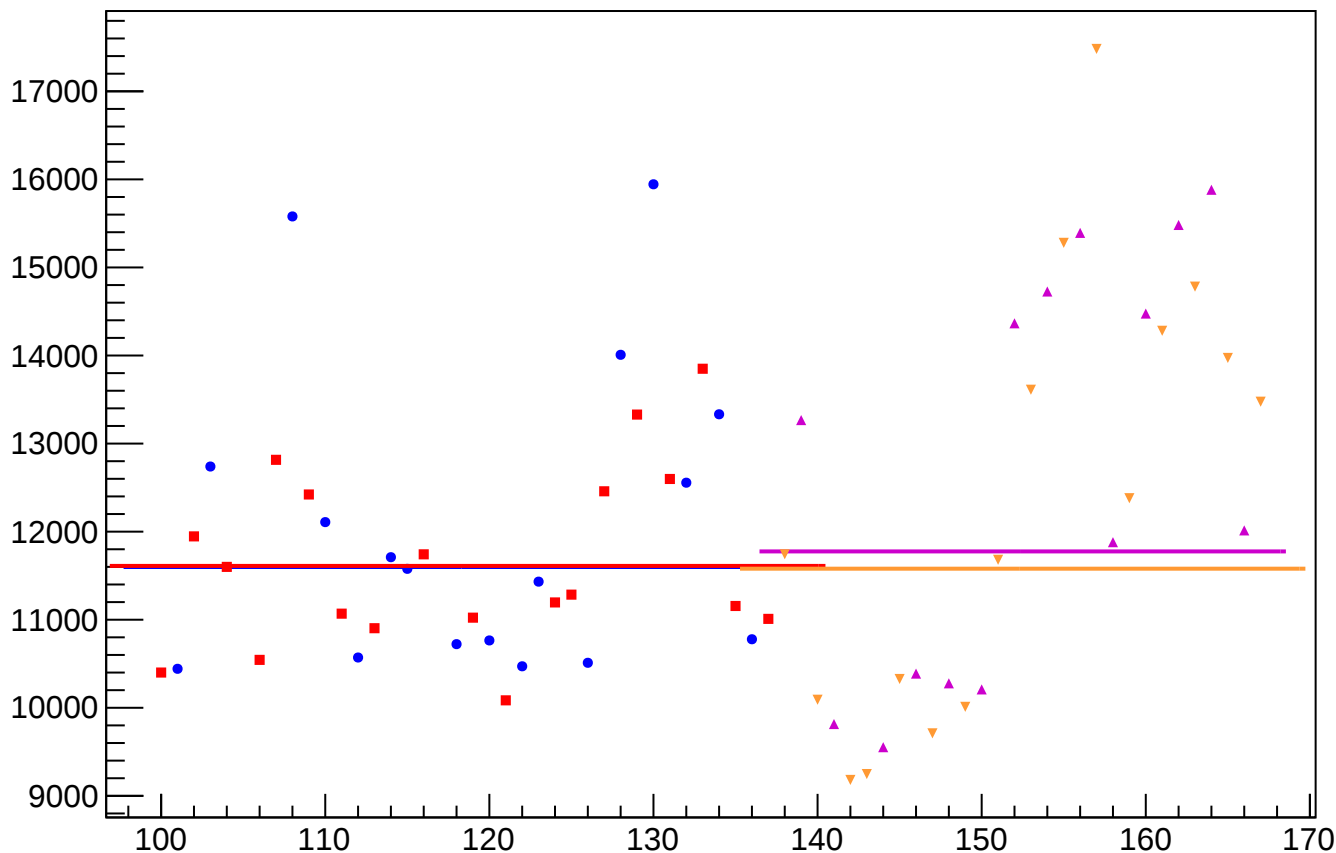
Left In: -3.362 ± 3.635 χ^2/NDF : 7.3/13

+ sign -3.651 ± 2.737 χ^2/NDF : 39.2/32

All: -2.503 ± 1.956 χ^2/NDF : 67.5/65

- sign -1.306 ± 2.795 χ^2/NDF : 27.9/32

diff_bpm11X_rms vs Slug



Right In: 11598.751 ± 3.215 $\chi^2/\text{NDF}: 235423.8/16$

Left Out: 11579.485 ± 2.424 $\chi^2/\text{NDF}: 800239.8/15$

Right Out: 11610.941 ± 3.092 $\chi^2/\text{NDF}: 94447.0/18$

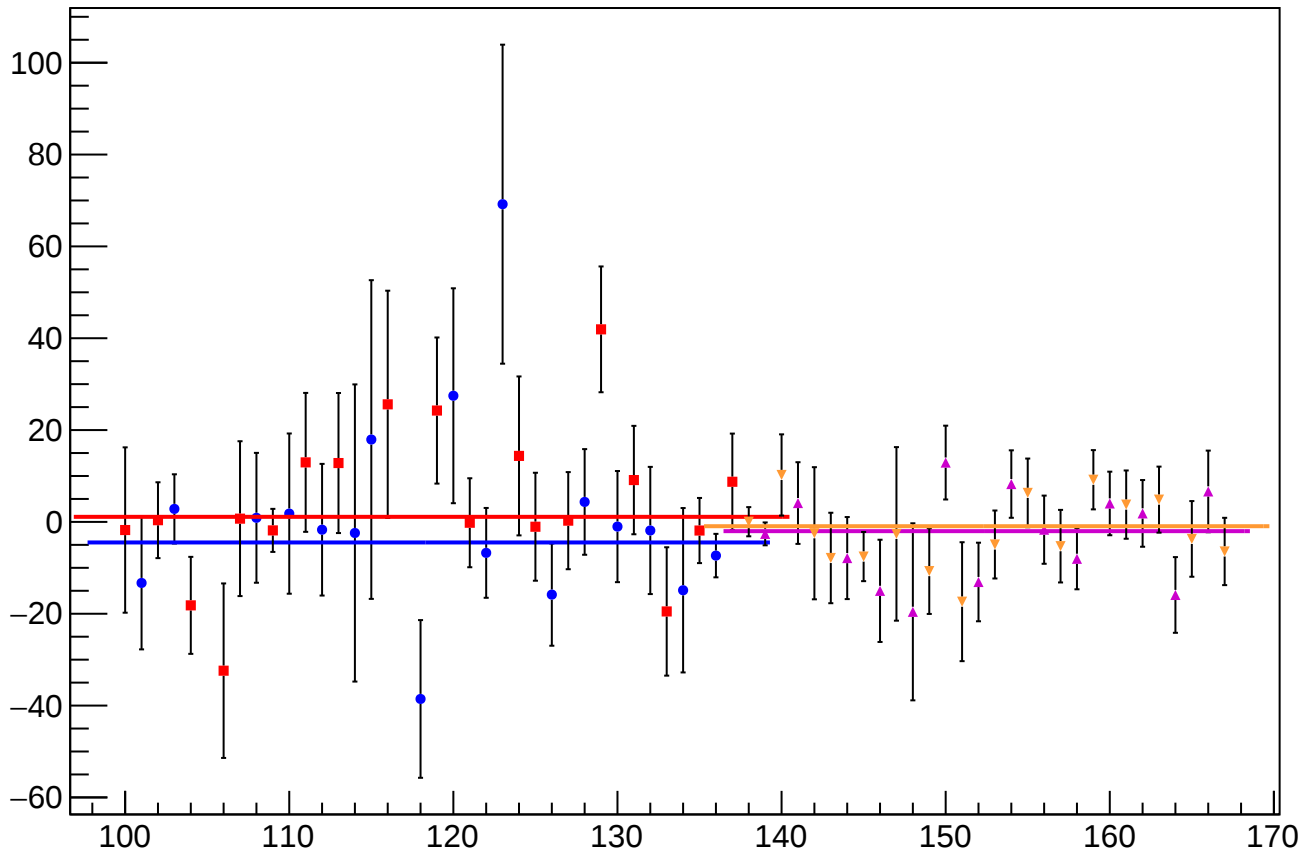
Left In: 11775.566 ± 2.570 $\chi^2/\text{NDF}: 708823.8/13$

+ sign 11586.469 ± 1.936 $\chi^2/\text{NDF}: 1035686.5/32$

All: 11646.112 ± 1.383 $\chi^2/\text{NDF}: 1842572.9/6$

- sign 11708.301 ± 1.977 $\chi^2/\text{NDF}: 804947.1/32$

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.938 ± 1.743 χ^2/NDF : 12.2/15

Right Out: 1.105 ± 2.429 χ^2/NDF : 24.0/18

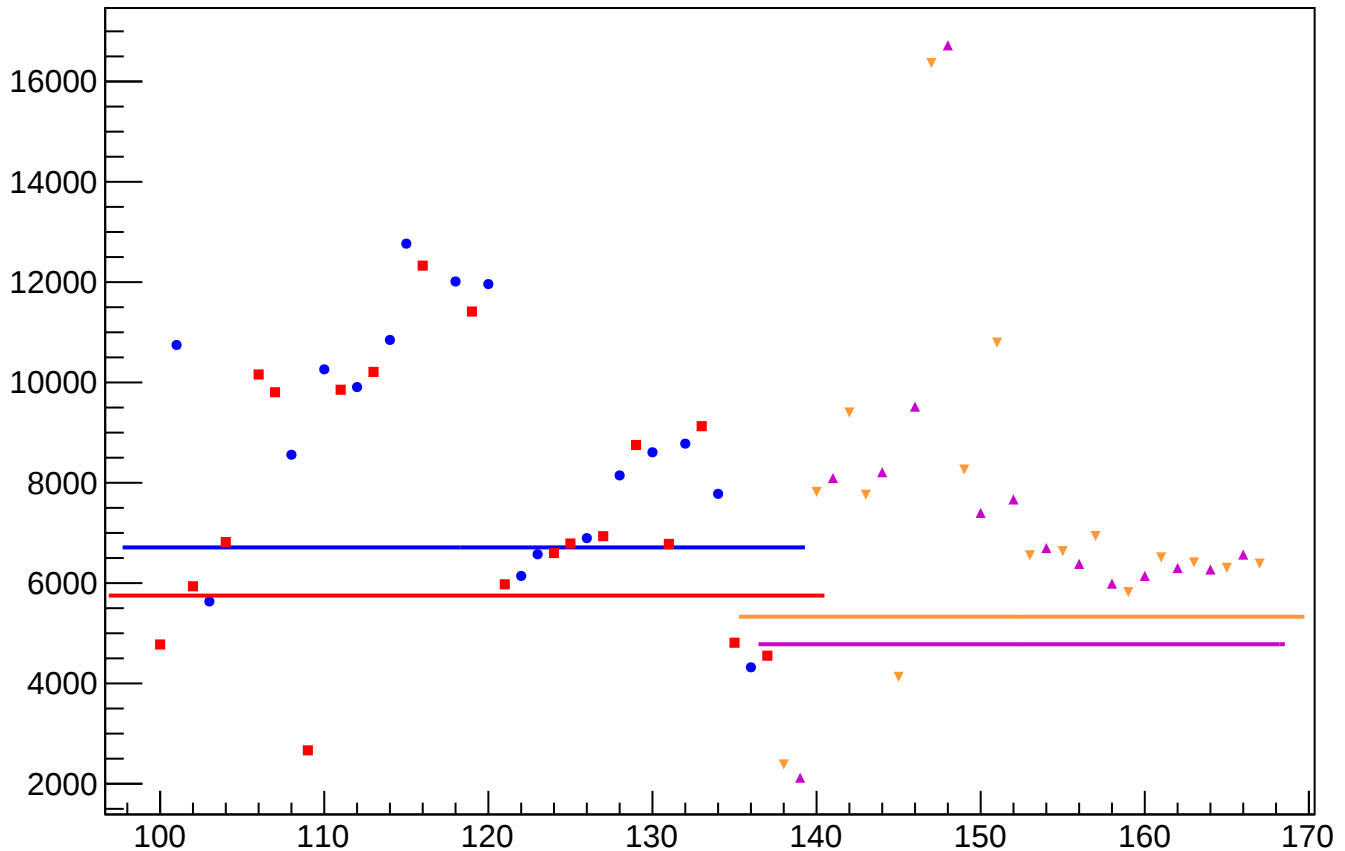
Left In: -2.015 ± 1.684 χ^2/NDF : 15.9/13

+ sign -1.935 ± 1.477 χ^2/NDF : 28.2/32

All: -1.438 ± 1.010 χ^2/NDF : 69.4/65

- sign -1.002 ± 1.384 χ^2/NDF : 41.0/32

diff_bpm11Y_rms vs Slug



Right In: 6711.550 ± 1.967 $\chi^2/\text{NDF}: 1446972.0/16$

Left Out: 5329.678 ± 1.233 $\chi^2/\text{NDF}: 3871014.4/15$

Right Out: 5751.505 ± 1.718 $\chi^2/\text{NDF}: 2165110.0/18$

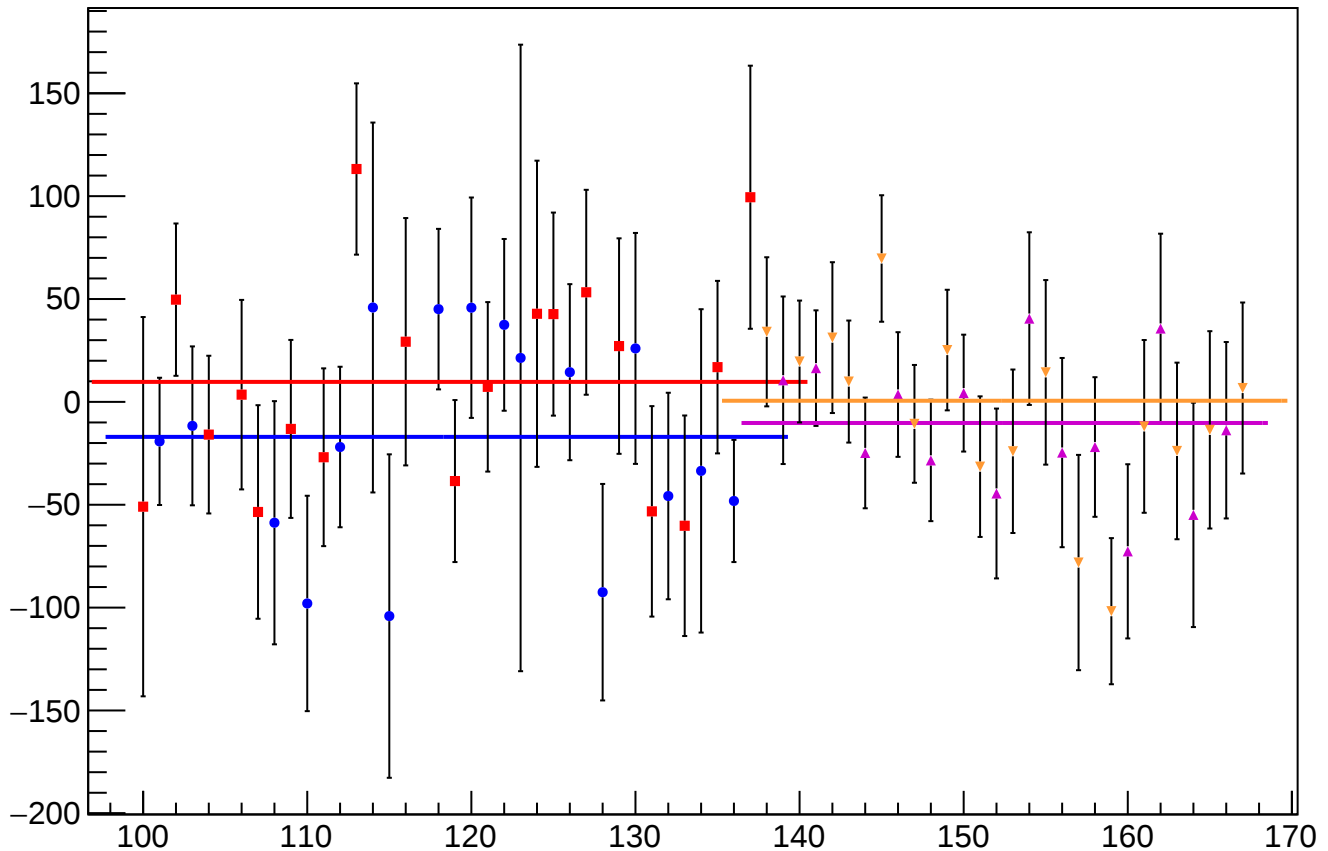
Left In: 4781.616 ± 1.191 $\chi^2/\text{NDF}: 5029658.4/13$

+ sign 5719.357 ± 1.045 $\chi^2/\text{NDF}: 5672371.5/32$

All: 5387.561 ± 0.714 $\chi^2/\text{NDF}: 13271983.8/6$

- sign 5096.395 ± 0.978 $\chi^2/\text{NDF}: 7410157.6/32$

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

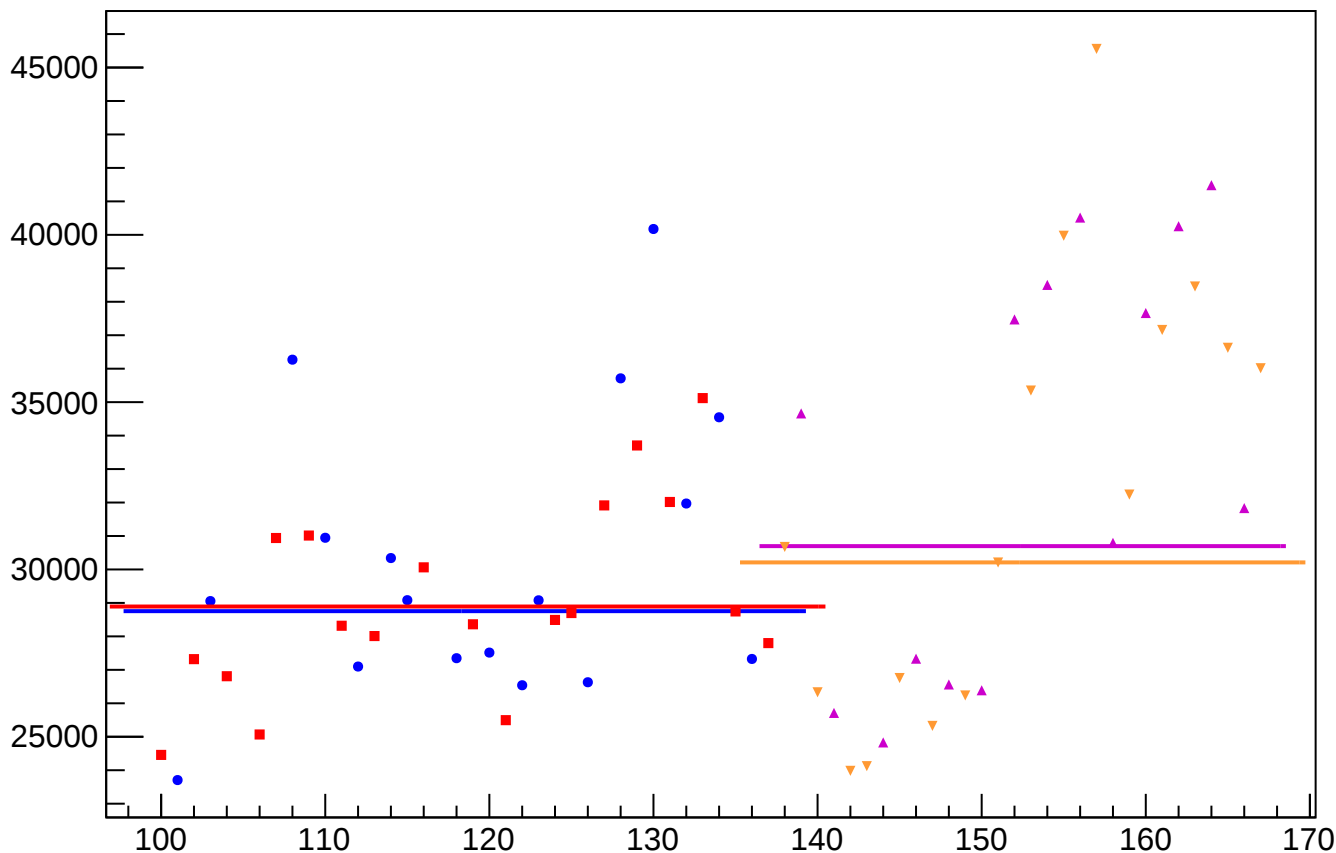
Left In: -10.253 ± 9.478 χ^2/NDF : 8.5/13

+ sign -6.224 ± 7.011 χ^2/NDF : 36.9/32

All: -3.979 ± 5.006 χ^2/NDF : 66.6/65

- sign -1.645 ± 7.150 χ^2/NDF : 29.5/32

diff_bpm12X_rms vs Slug



Right In: 28753.787 ± 7.981 χ^2/NDF : 249215.1/16

Left Out: 30210.723 ± 6.326 χ^2/NDF : 807034.9/15

Right Out: 28892.154 ± 7.701 χ^2/NDF : 111241.2/18

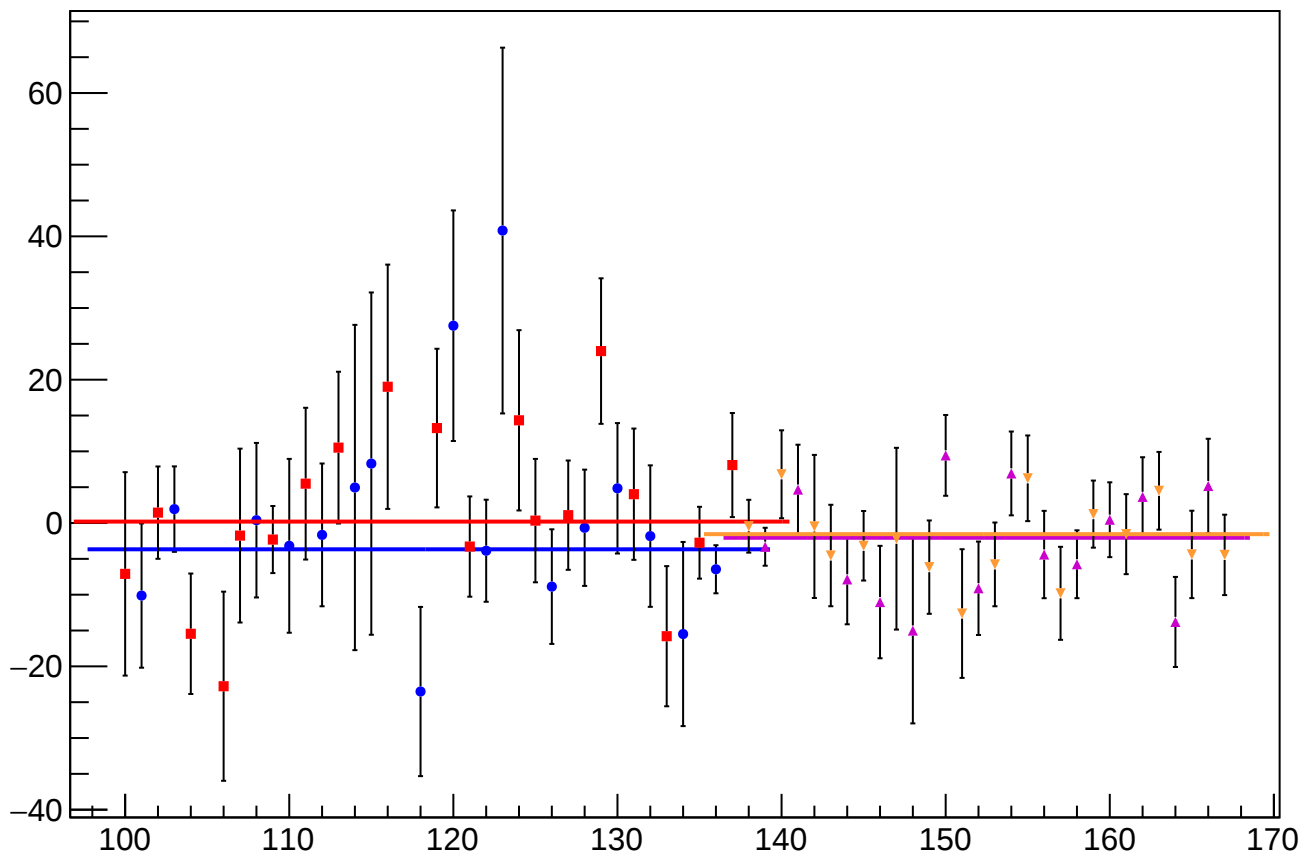
Left In: 30697.228 ± 6.702 χ^2/NDF : 720975.7/13

+ sign 29648.536 ± 4.958 χ^2/NDF : 1076714.8/32

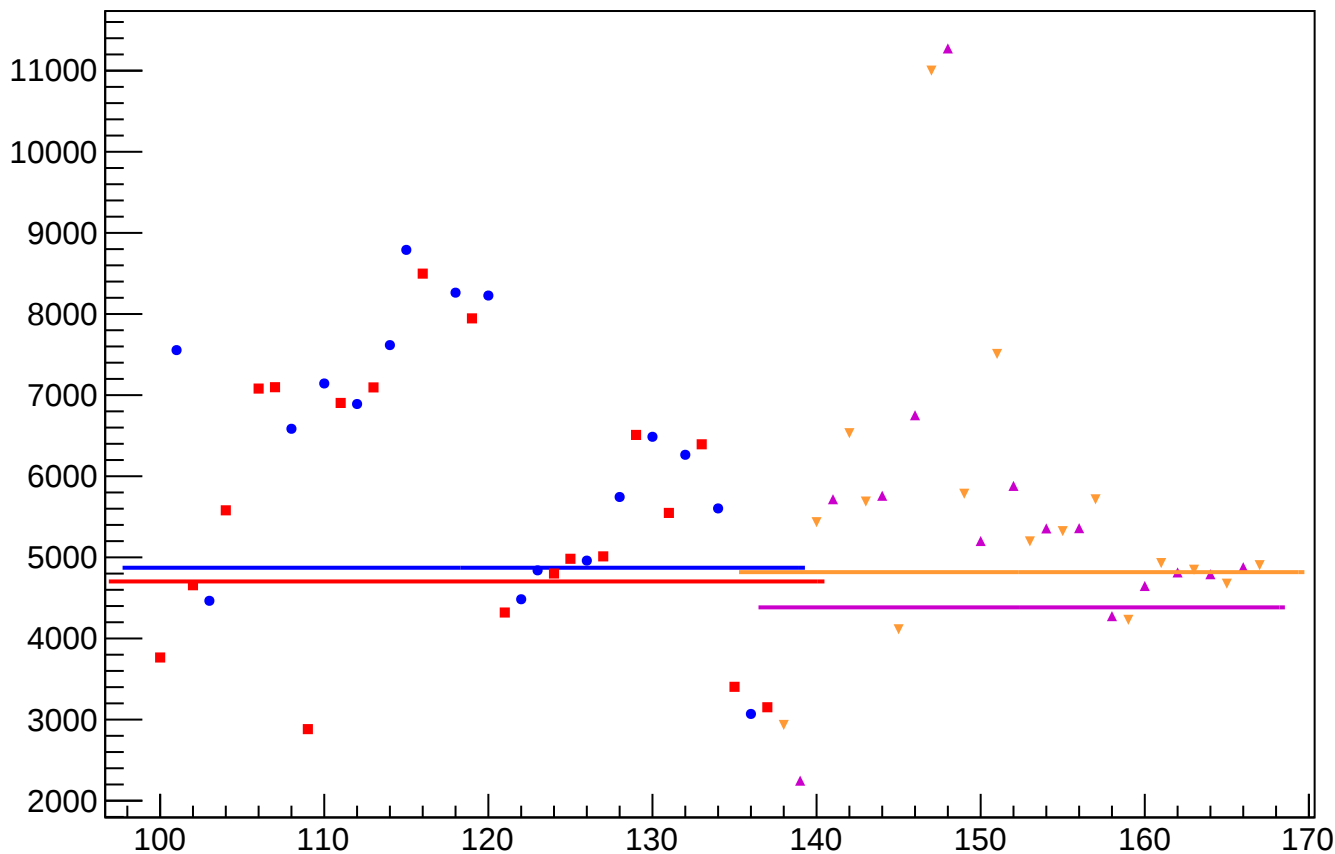
All: 29781.259 ± 3.540 χ^2/NDF : 1941656.8/6

- sign 29919.271 ± 5.056 χ^2/NDF : 863480.1/32

diff_bpm12Y_mean vs Slug



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

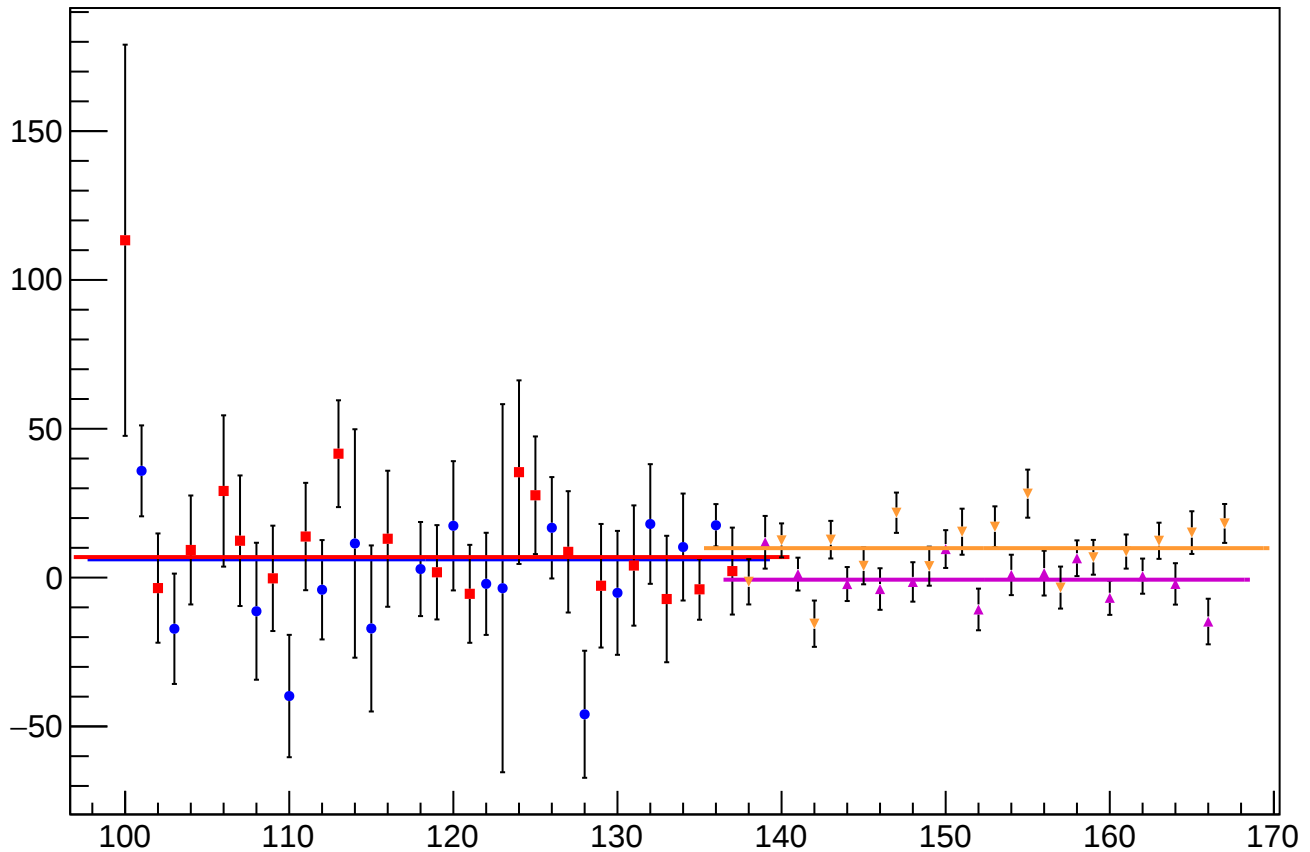
Left In: 4383.531 ± 1.011 χ^2/NDF : 2531241.5/13

+ sign 4836.656 ± 0.837 χ^2/NDF : 2874461.4/32

All: 4661.891 ± 0.581 χ^2/NDF : 6838831.3/65

- sign 4499.557 ± 0.807 χ^2/NDF : 3880247.4/32

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

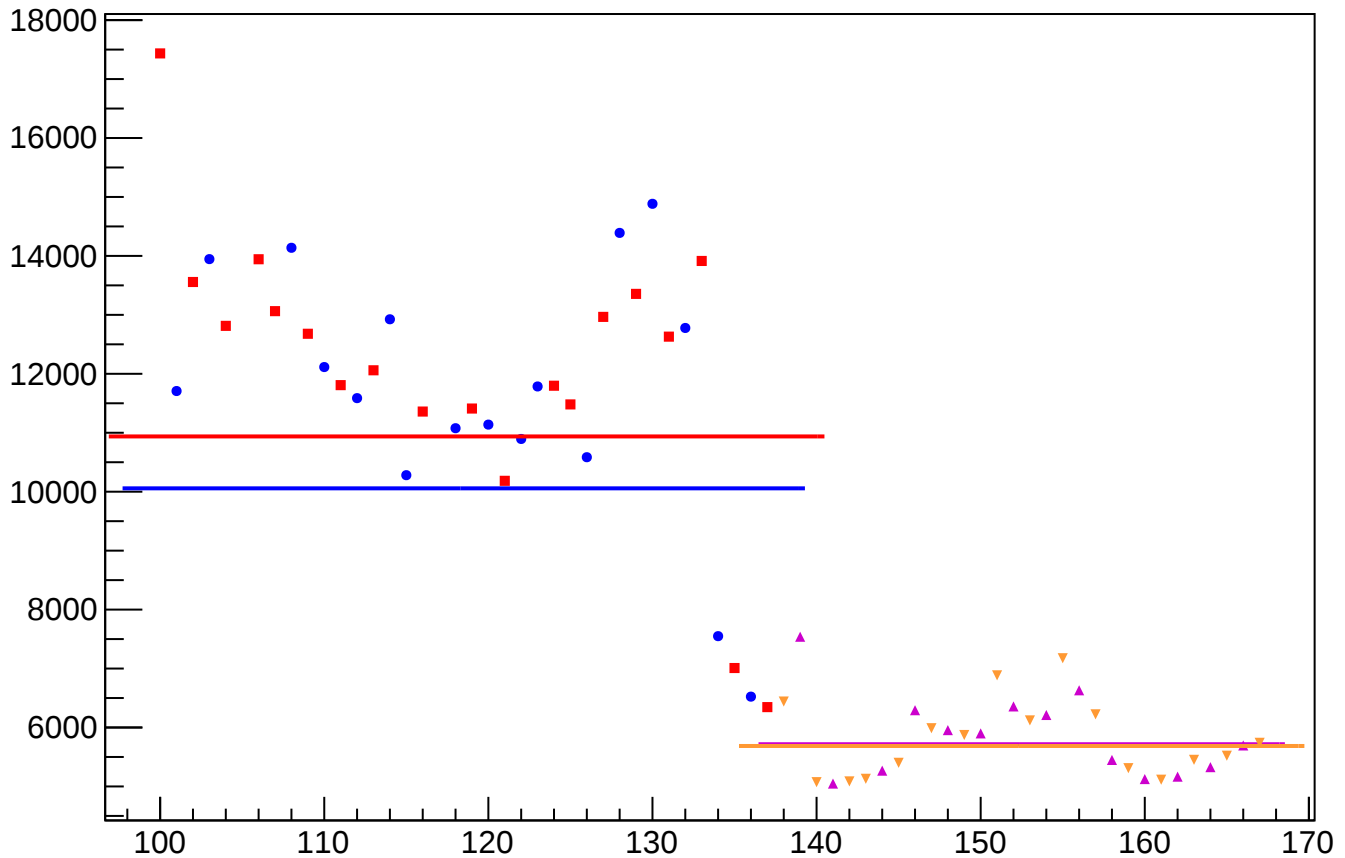
Left In: -0.702 ± 1.744 χ^2/NDF : 13.2/13

+ sign 9.359 ± 1.536 χ^2/NDF : 54.0/32

All: 5.097 ± 1.112 χ^2/NDF : 98.6/65

- sign 0.404 ± 1.612 χ^2/NDF : 28.4/32

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5686.378 $\pm$ 1.173 χ^2 /NDF:247920.4/15

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

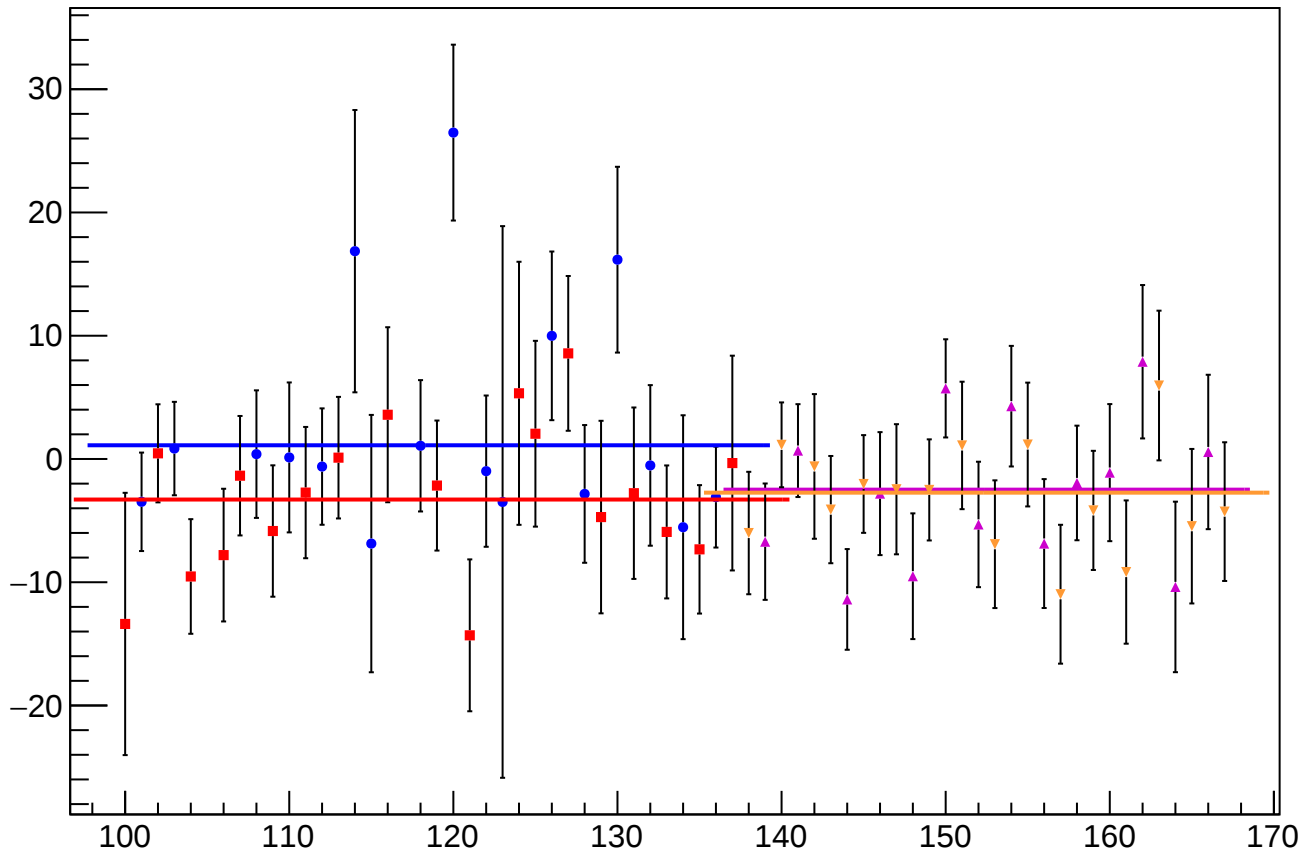
Left In: 5716.183 $\pm$ 1.233 χ^2 /NDF:250207.8/13

+ sign 6306.161 $\pm$ 1.086 χ^2 /NDF: 3220208.5/32

All: 6387.357 $\pm$ 0.787 χ^2 /NDF: 6855413.4/65

- sign 6476.763 $\pm$ 1.140 χ^2 /NDF: 3623469.8/32

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

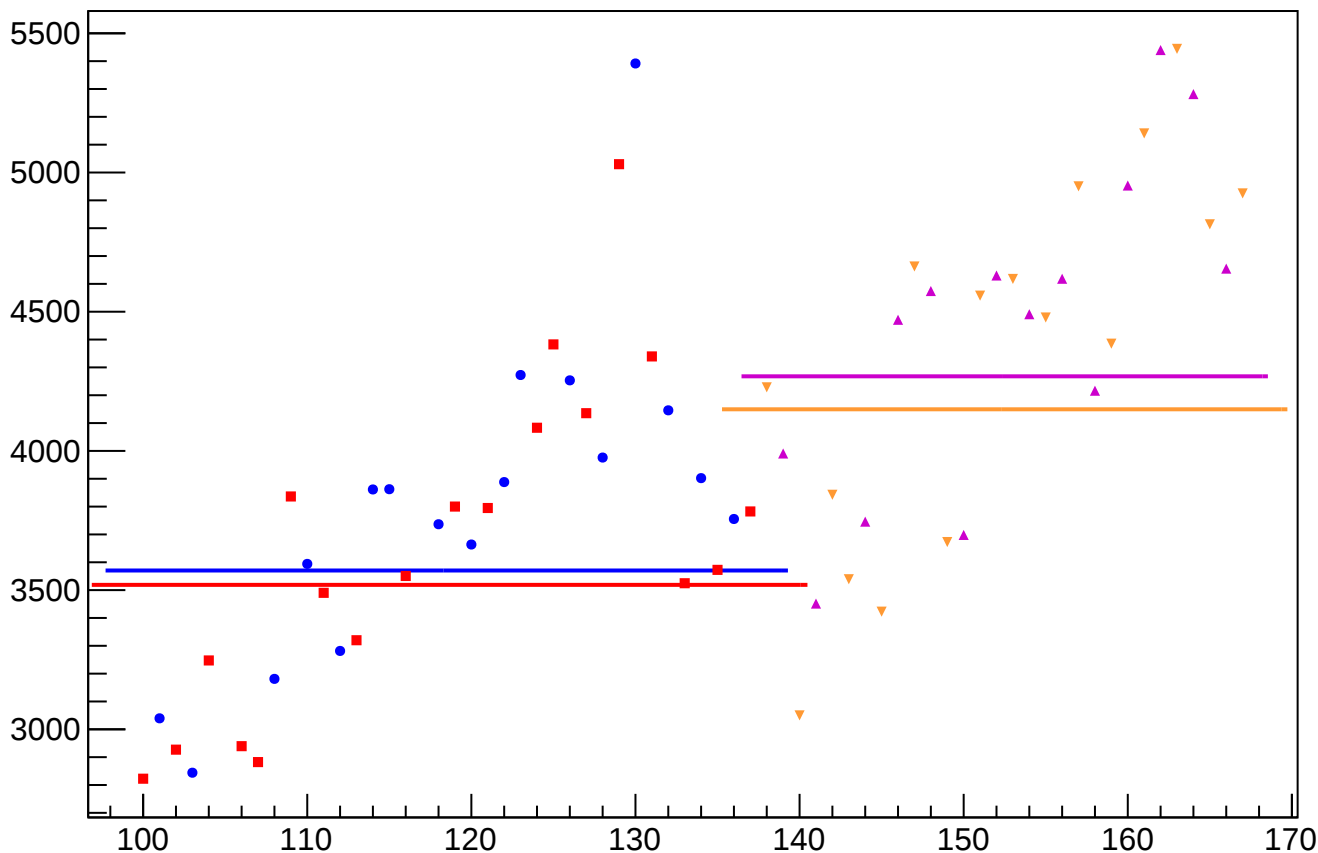
Left In: -2.488 ± 1.308 χ^2/NDF : 19.7/13

+ sign -1.071 ± 0.922 χ^2/NDF : 38.4/32

All: -1.965 ± 0.656 χ^2/NDF : 75.3/65

- sign -2.881 ± 0.934 χ^2/NDF : 35.0/32

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

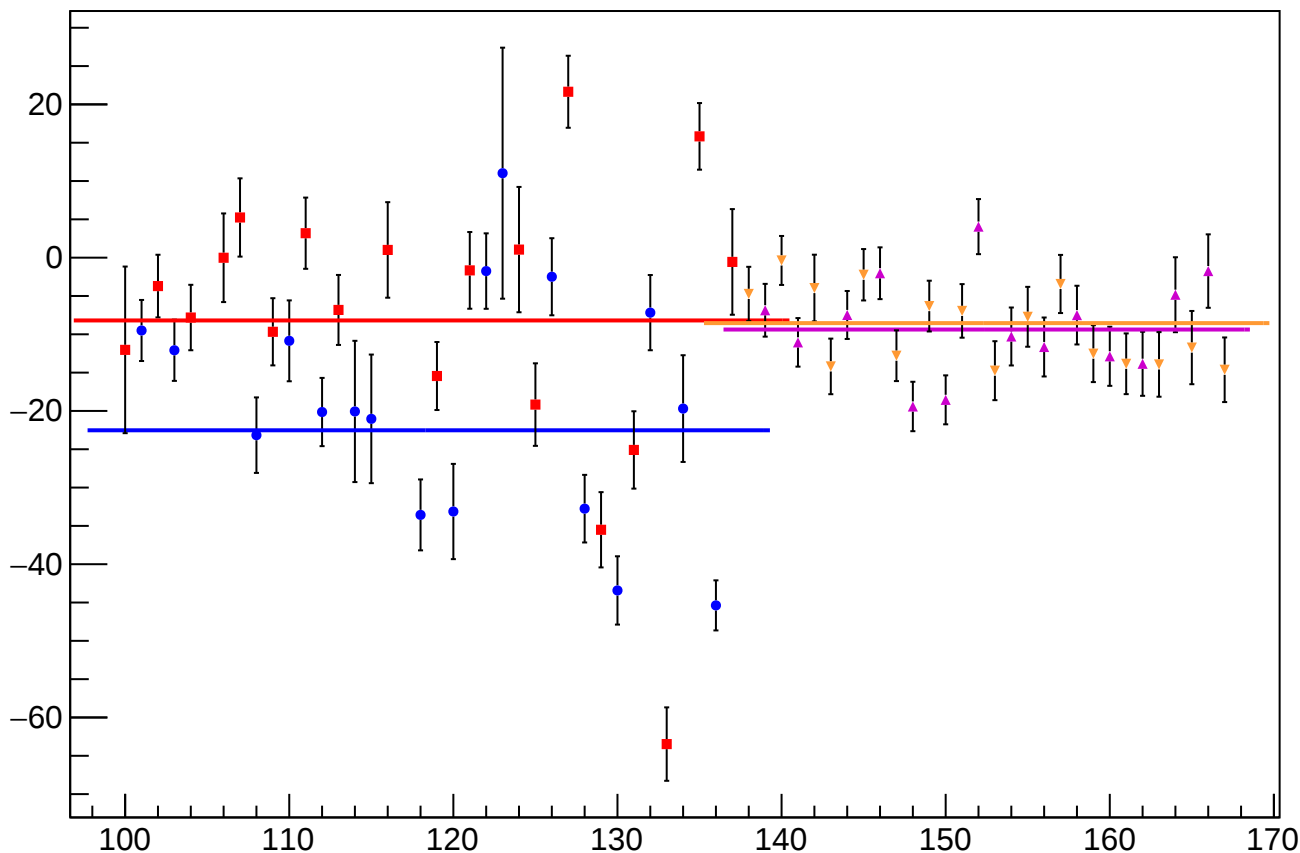
Left In: 4267.950+/-0.925 χ^2/NDF : 360312.7/13

+ sign 3899.365+/-0.652 χ^2/NDF : 1157955.5/32

All: 3900.050+/-0.464 χ^2/NDF : 2133328.2/65

- sign 3900.752+/-0.660 χ^2/NDF : 975370.5/32

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

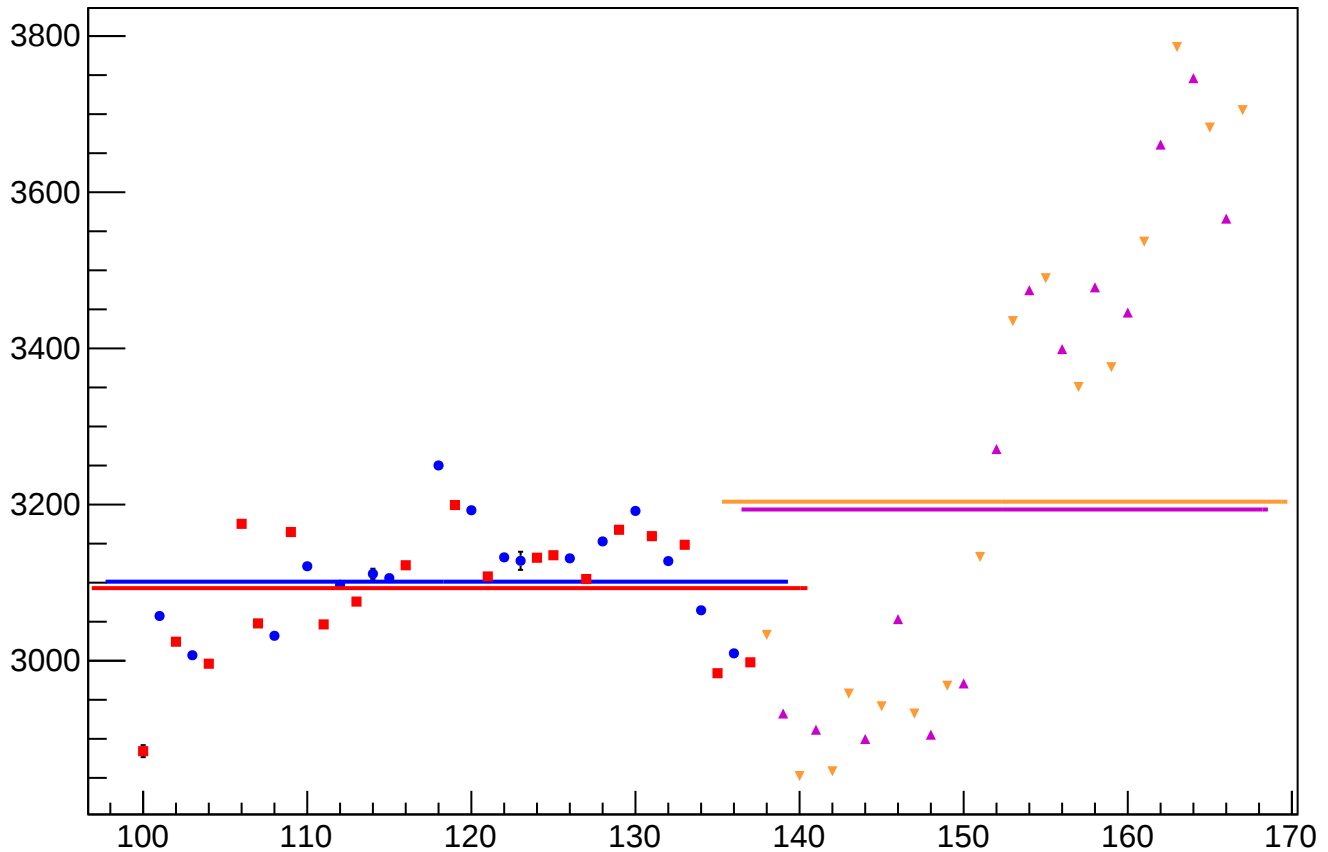
Left In: -9.378 ± 0.971 χ^2/NDF : 43.8/13

+ sign -13.789 ± 0.735 χ^2/NDF : 268.9/32

All: -11.366 ± 0.523 χ^2/NDF : 611.2/65

- sign -8.888 ± 0.744 χ^2/NDF : 320.3/32

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

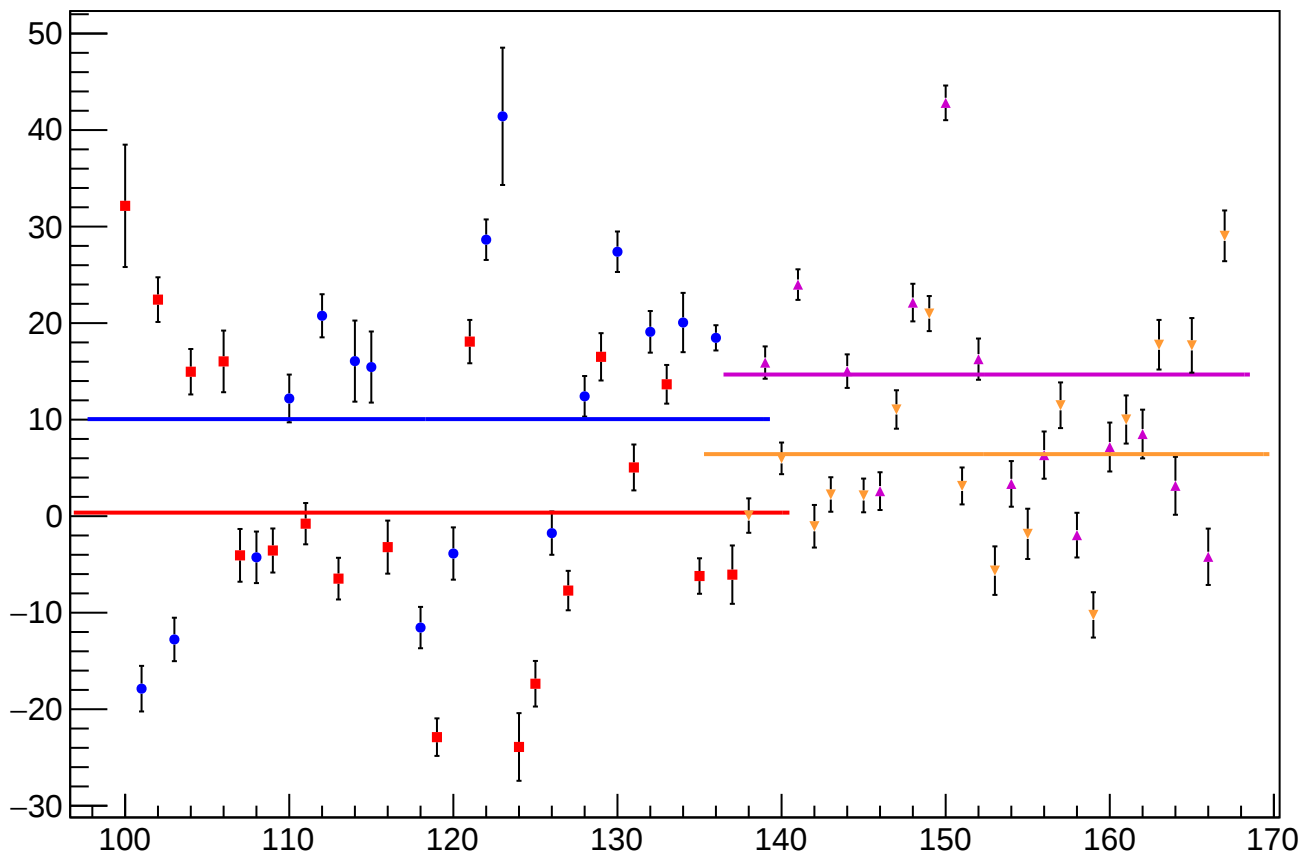
Left In: 3193.696+/-0.687 χ^2/NDF : 174043.5/13

+ sign 3165.261+/-0.520 χ^2/NDF : 229464.5/32

All: 3158.743+/-0.370 χ^2/NDF : 420483.0/65

- sign 3152.078+/-0.526 χ^2/NDF : 190700.8/32

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 6.428 $\pm$ 0.526 χ^2 /NDF:307.8/15

Right Out: 0.367 $\pm$ 0.547 χ^2 /NDF: 629.8/18

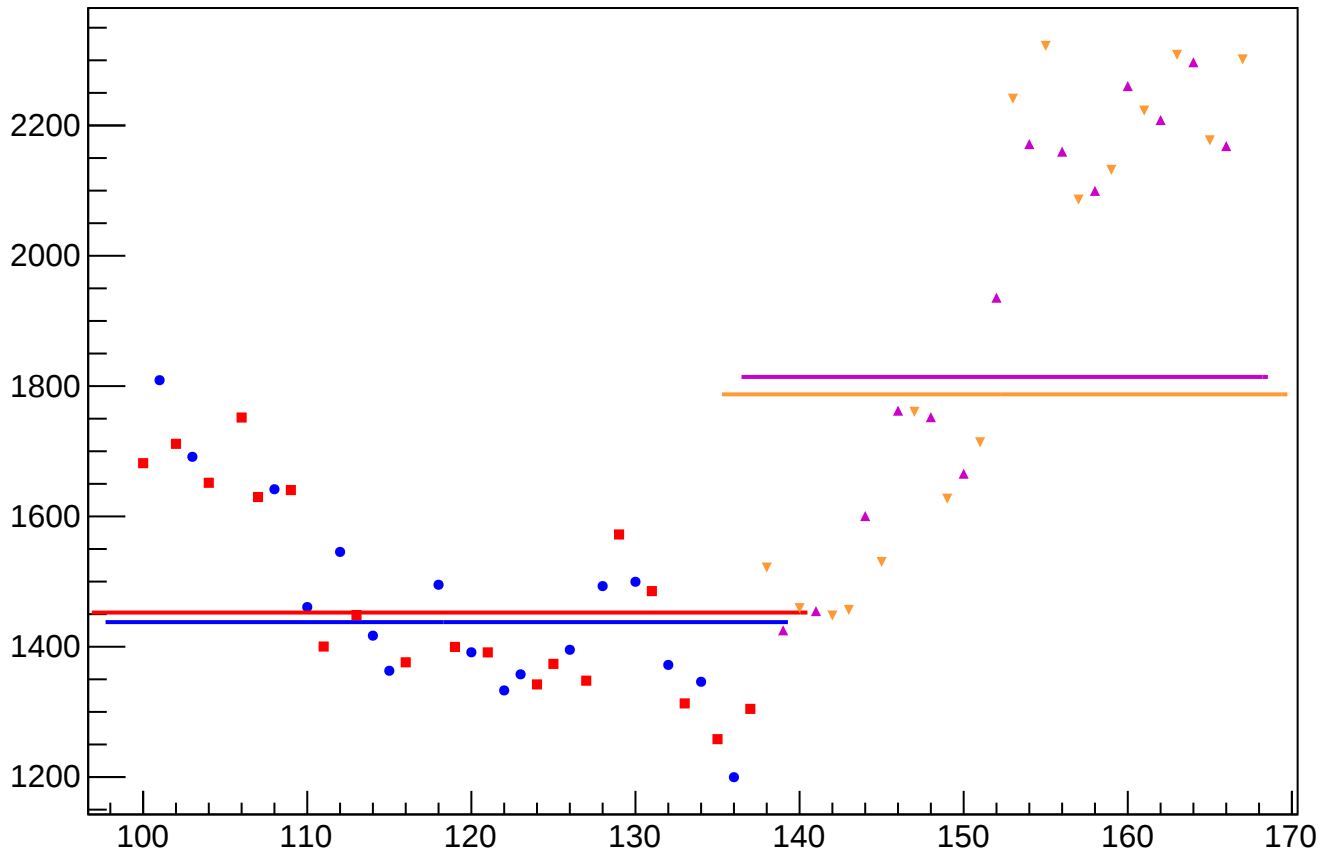
Left In: 14.674 $\pm$ 0.558 χ^2 /NDF:491.8/13

+ sign 8.124 $\pm$ 0.384 χ^2 /NDF: 1022.2/32

All: 7.759 $\pm$ 0.274 χ^2 /NDF: 2481.1/65

- sign 7.381 $\pm$ 0.391 χ^2 /NDF: 1457.0/32

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1787.318 $\pm$ 0.372 χ^2 /NDF: 784812.2/15

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

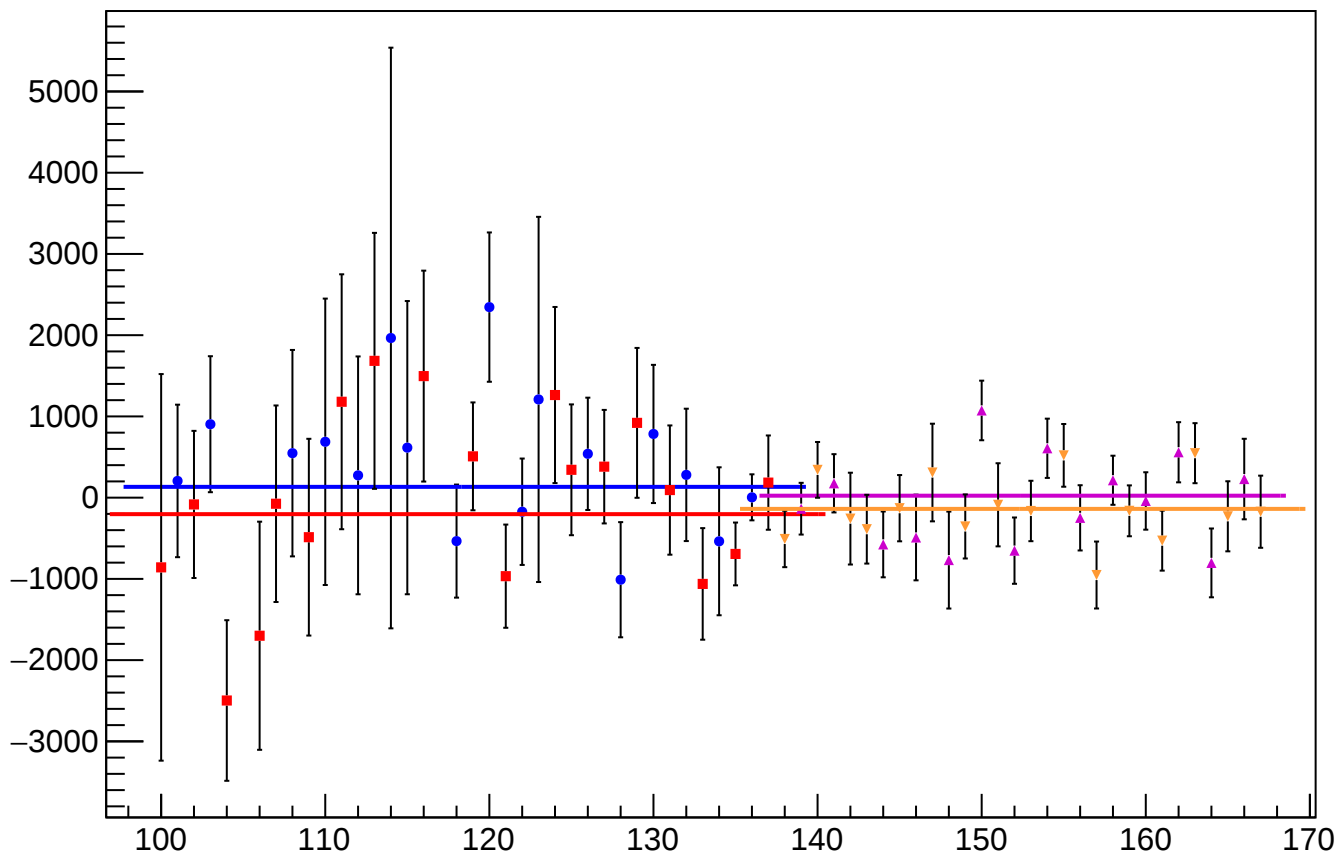
Left In: 1814.063 $\pm$ 0.394 χ^2 /NDF: 572671.7/13

+ sign 1623.854 $\pm$ 0.272 χ^2 /NDF: 1370408.1/32

All: 1626.745 $\pm$ 0.194 χ^2 /NDF: 2510323.0/65

- sign 1629.734 $\pm$ 0.276 χ^2 /NDF: 1139684.5/32

asym_sam1_mean vs Slug



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -138.206 $\pm$ 100.166 χ^2 /NDF:15.8/15

Right Out: -203.062 $\pm$ 184.353 χ^2 /NDF: 21.4/18

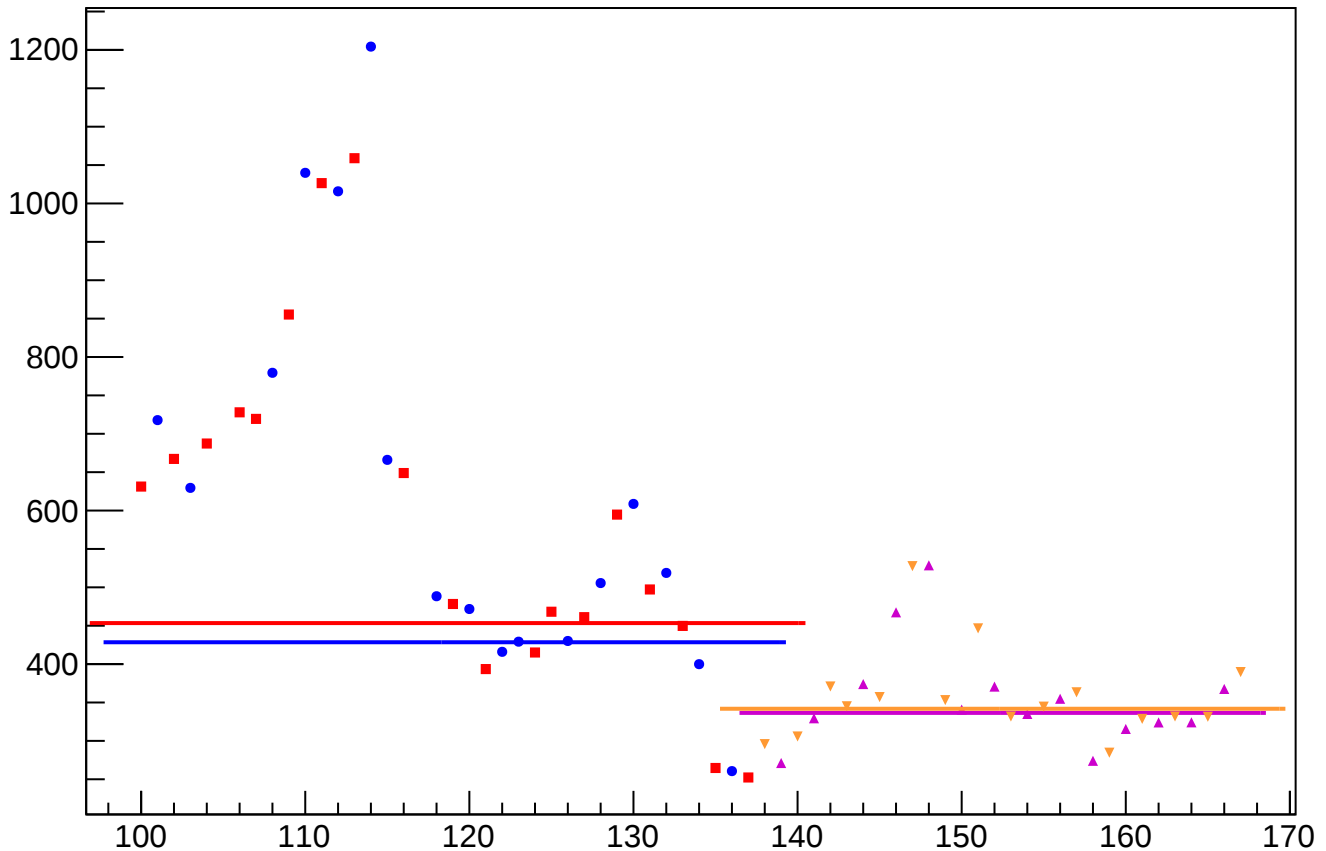
Left In: 24.122 $\pm$ 103.597 χ^2 /NDF:25.8/13

+ sign -74.246 $\pm$ 87.557 χ^2 /NDF: 30.4/32

All: -53.003 $\pm$ 62.864 χ^2 /NDF: 78.9/65

- sign -30.402 $\pm$ 90.314 χ^2 /NDF: 48.4/32

asym_sam1_rms vs Slug



Right In: 428.460 ± 0.127 χ^2/NDF : 2011453.8/16

Left Out: 341.857 ± 0.071 χ^2/NDF : 444193.8/15

Right Out: 453.435 ± 0.130 χ^2/NDF : 2029813.8/18

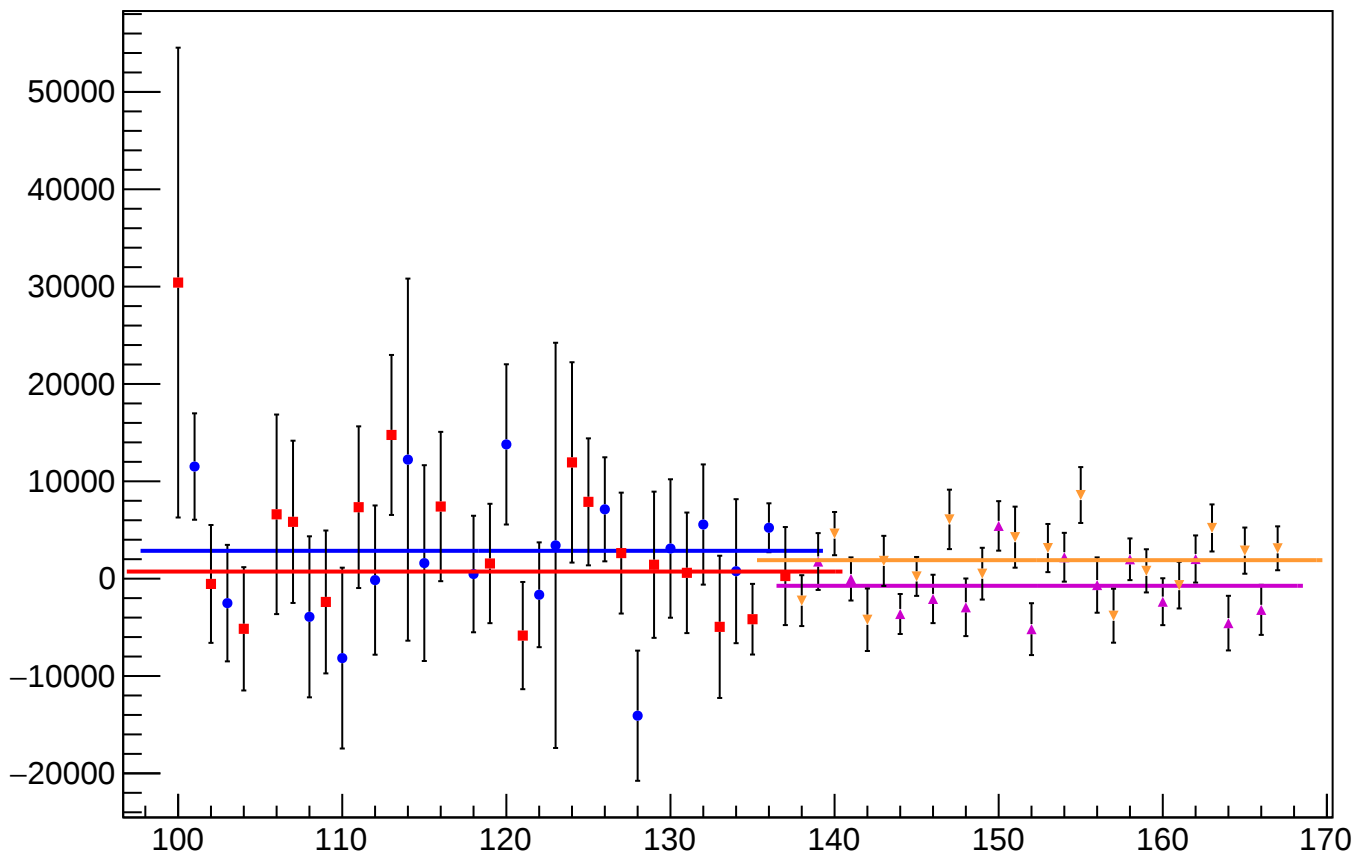
Left In: 336.457 ± 0.073 χ^2/NDF : 555512.8/13

+ sign 362.287 ± 0.062 χ^2/NDF : 2808339.7/32

All: 363.375 ± 0.044 χ^2/NDF : 6006306.9/65

- sign 364.532 ± 0.064 χ^2/NDF : 3197330.3/32

asym_sam2_mean vs Slug



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1899.028 $\pm$ 627.957 χ^2 /NDF:24.8/15

Right Out: 729.571 $\pm$ 1509.224 χ^2 /NDF: 14.0/18

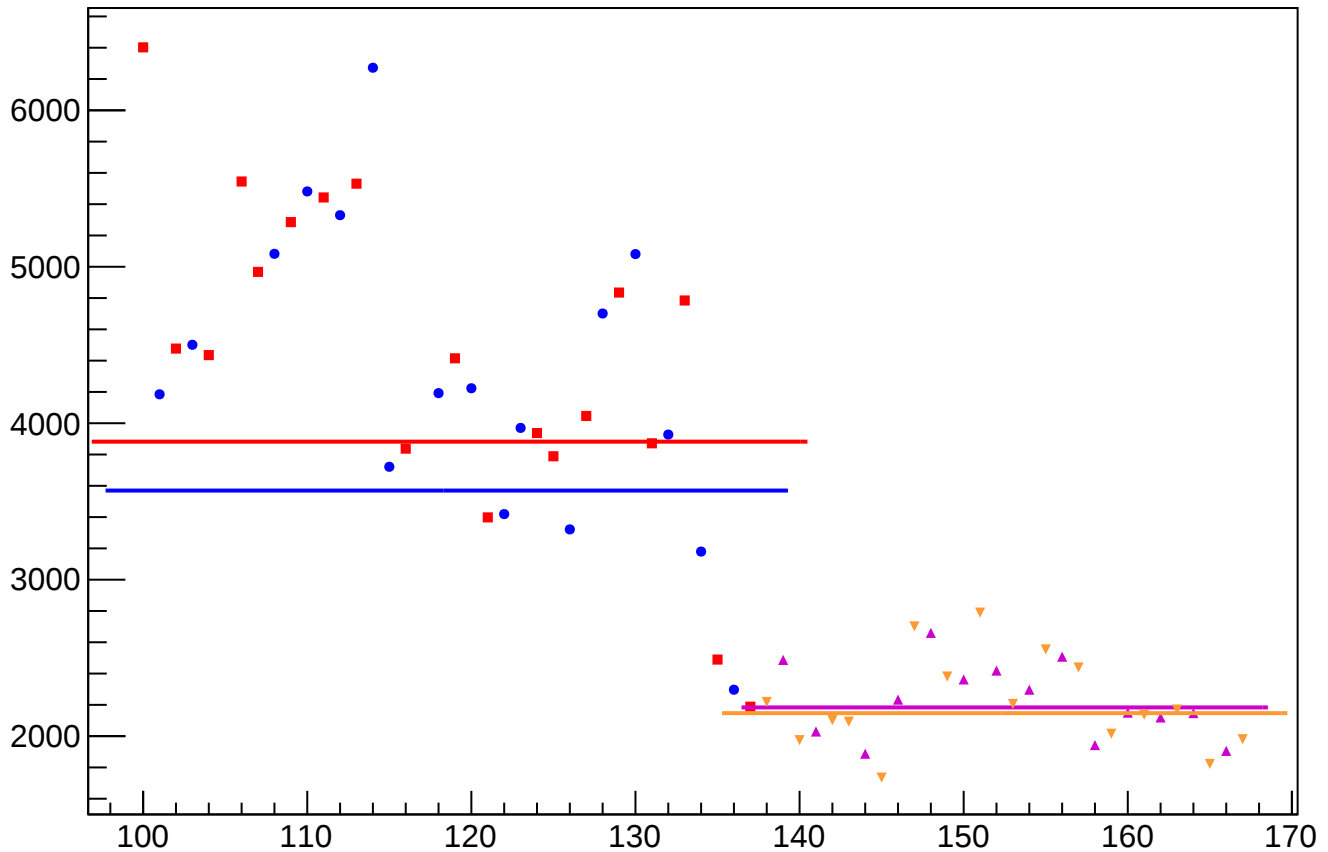
Left In: -733.271 $\pm$ 666.423 χ^2 /NDF:19.8/13

+ sign 2051.110 $\pm$ 576.107 χ^2 /NDF: 41.8/32

All: 850.187 $\pm$ 418.720 χ^2 /NDF: 85.6/65

- sign -494.584 $\pm$ 609.634 χ^2 /NDF: 34.6/32

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2146.919+/-0.444 χ^2/NDF : 384485.0/15

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

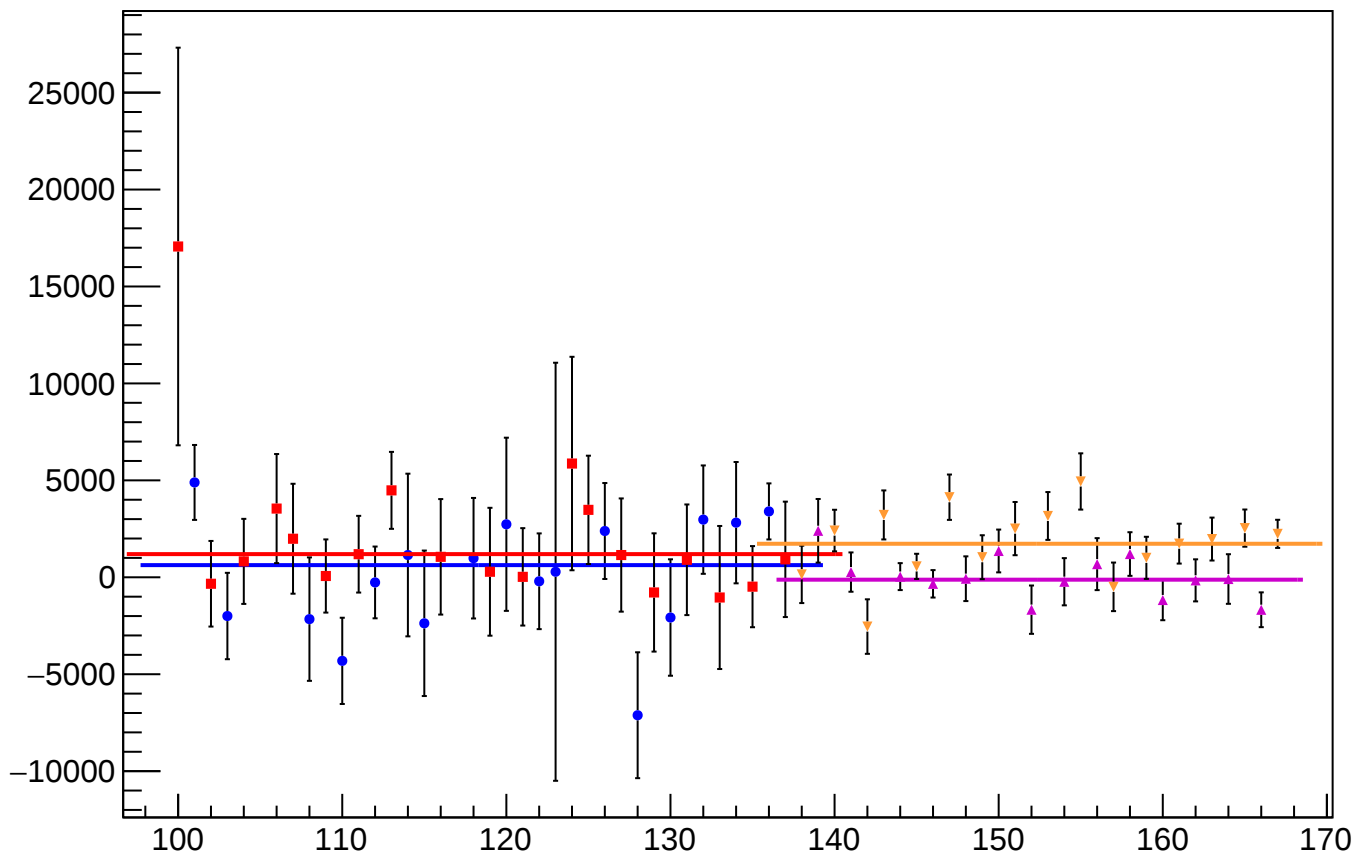
Left In: 2183.544+/-0.471 χ^2/NDF : 231778.2/13

+ sign 2372.164+/-0.407 χ^2/NDF : 3097757.1/32

All: 2413.932+/-0.296 χ^2/NDF : 6455007.1/65

- sign 2460.703+/-0.431 χ^2/NDF : 3334965.6/32

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

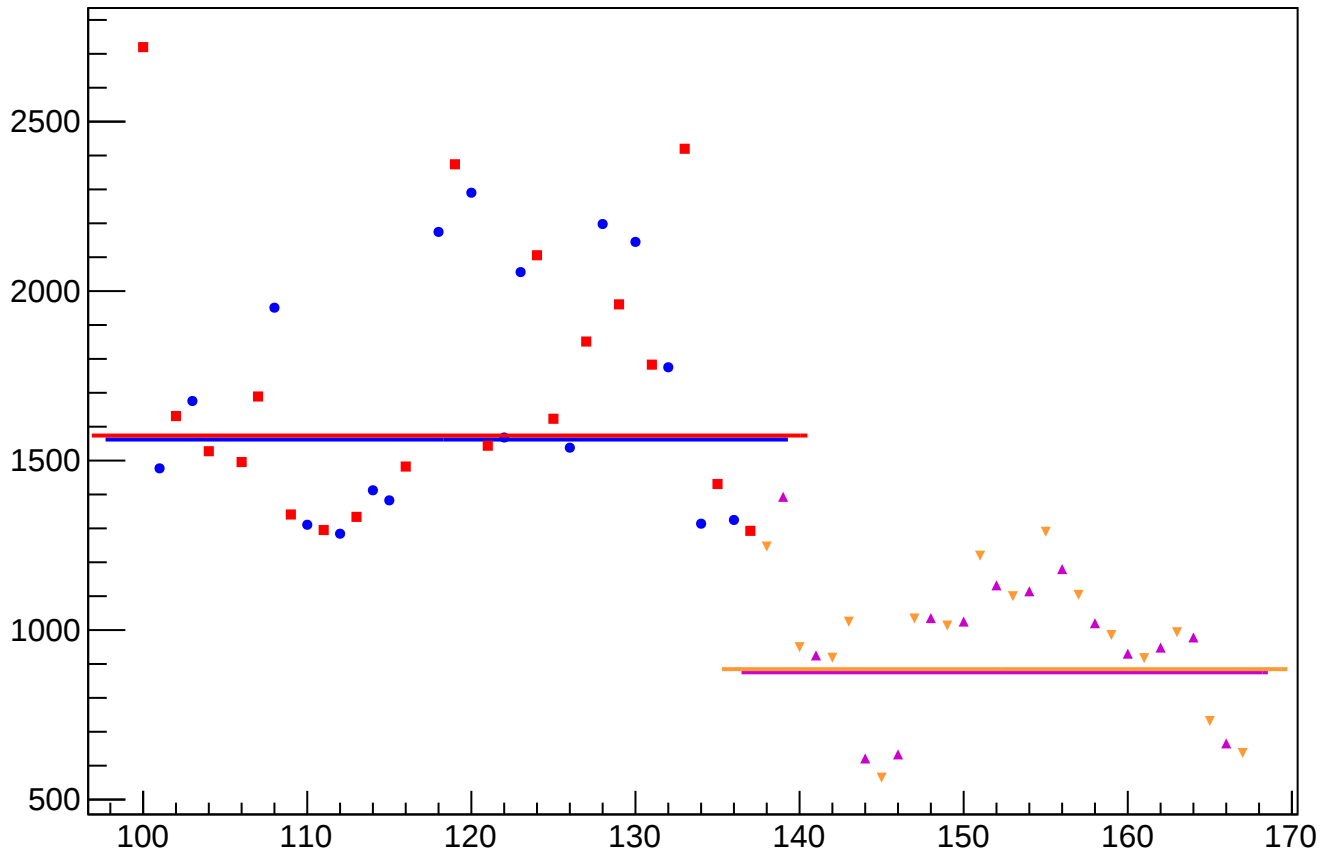
Left In: -123.572 ± 274.496 χ^2/NDF : 11.7/13

+ sign 1559.393 ± 243.821 χ^2/NDF : 59.1/32

All: 848.831 ± 174.494 χ^2/NDF : 102.1/65

- sign 102.794 ± 249.833 χ^2/NDF : 25.6/32

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

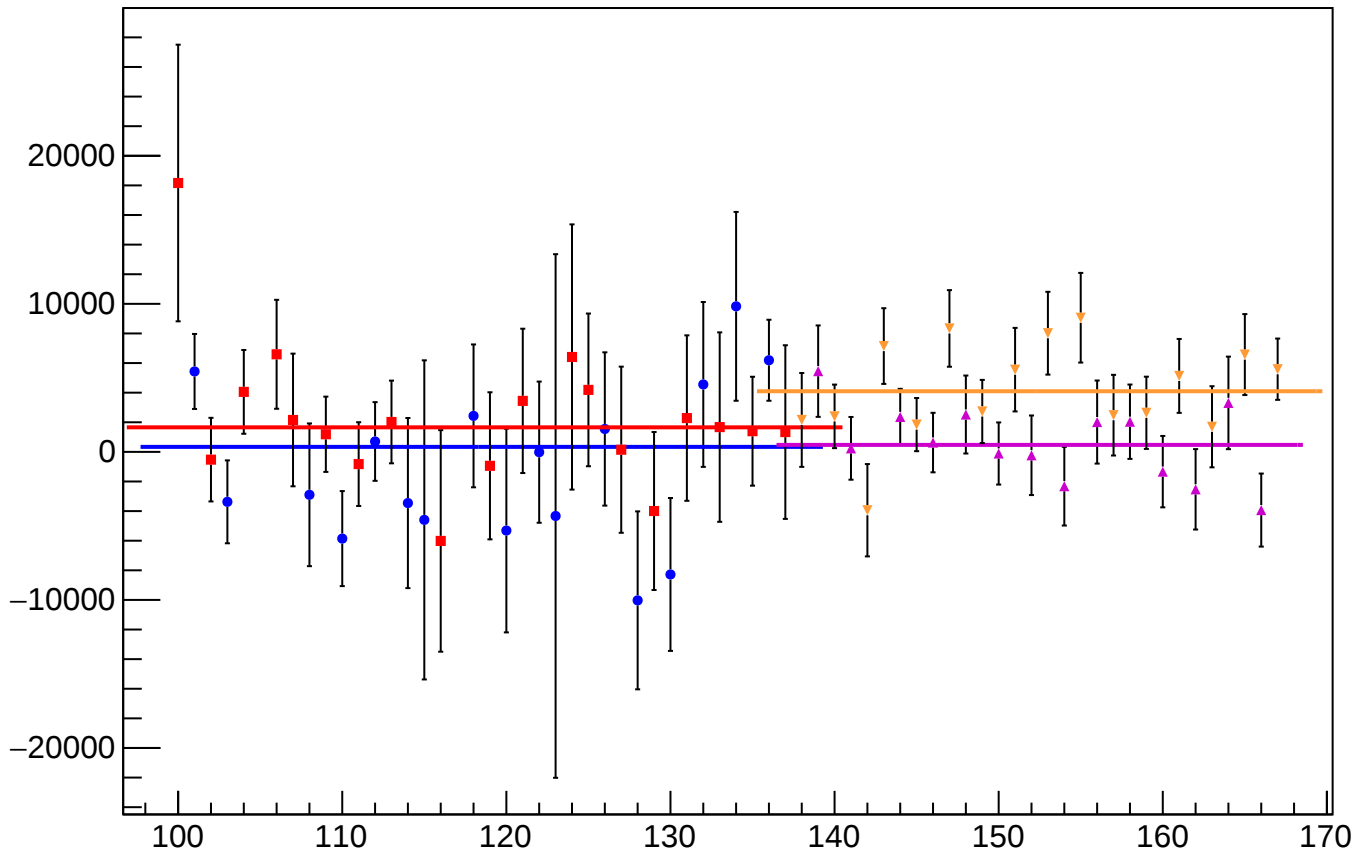
Left In: 875.417 $\pm$ 0.194 χ^2 /NDF: 1215963.1/13

+ sign 989.126 $\pm$ 0.172 χ^2 /NDF: 3909570.4/32

All: 992.135 $\pm$ 0.123 χ^2 /NDF: 7812736.5/65

- sign 995.295 $\pm$ 0.177 χ^2 /NDF: 3902541.4/32

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

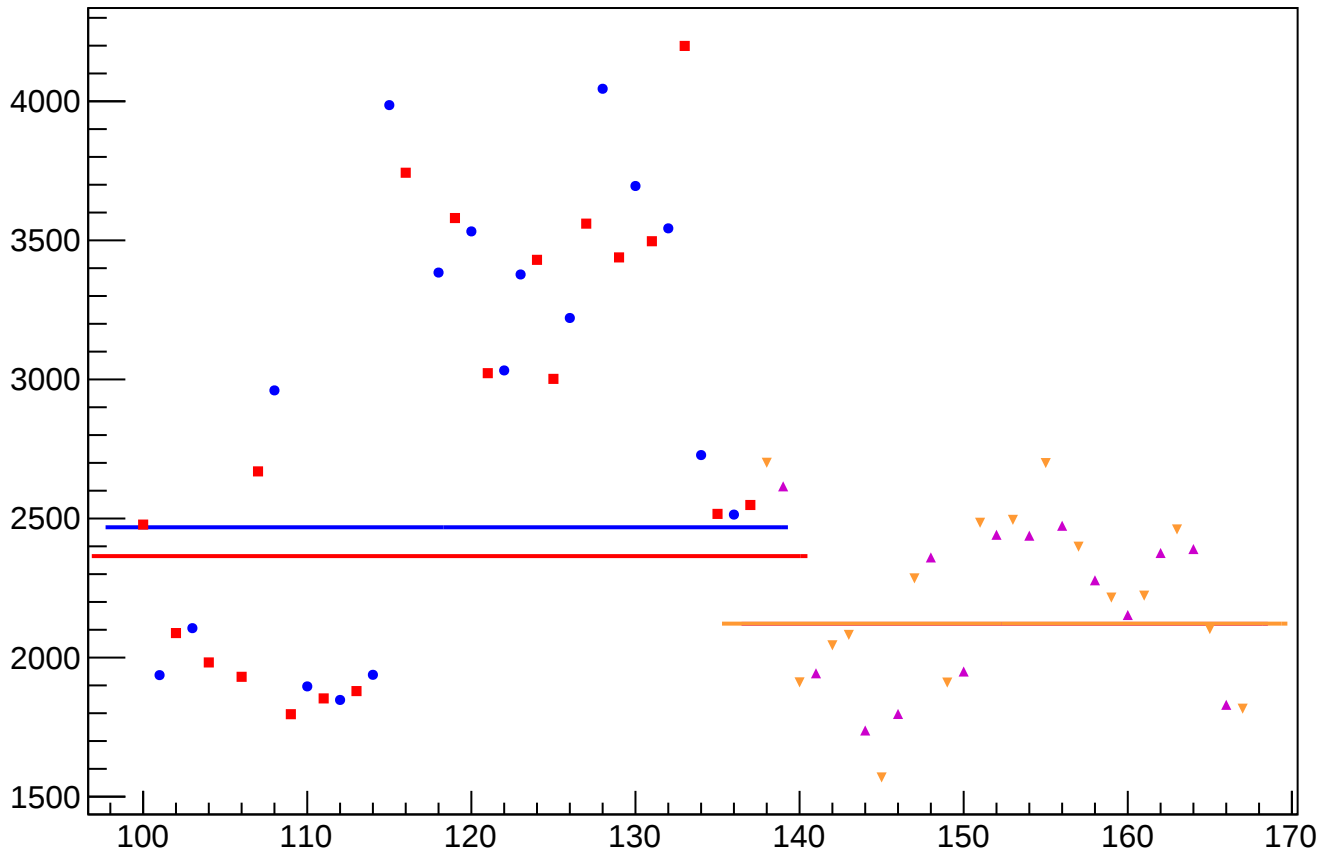
Left In: 472.234+/-650.403 χ^2/NDF : 11.9/13

+ sign 3040.195+/-528.041 χ^2/NDF : 56.7/32

All: 1960.533+/-374.753 χ^2/NDF : 88.4/65

- sign 864.862+/-531.941 χ^2/NDF : 23.3/32

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

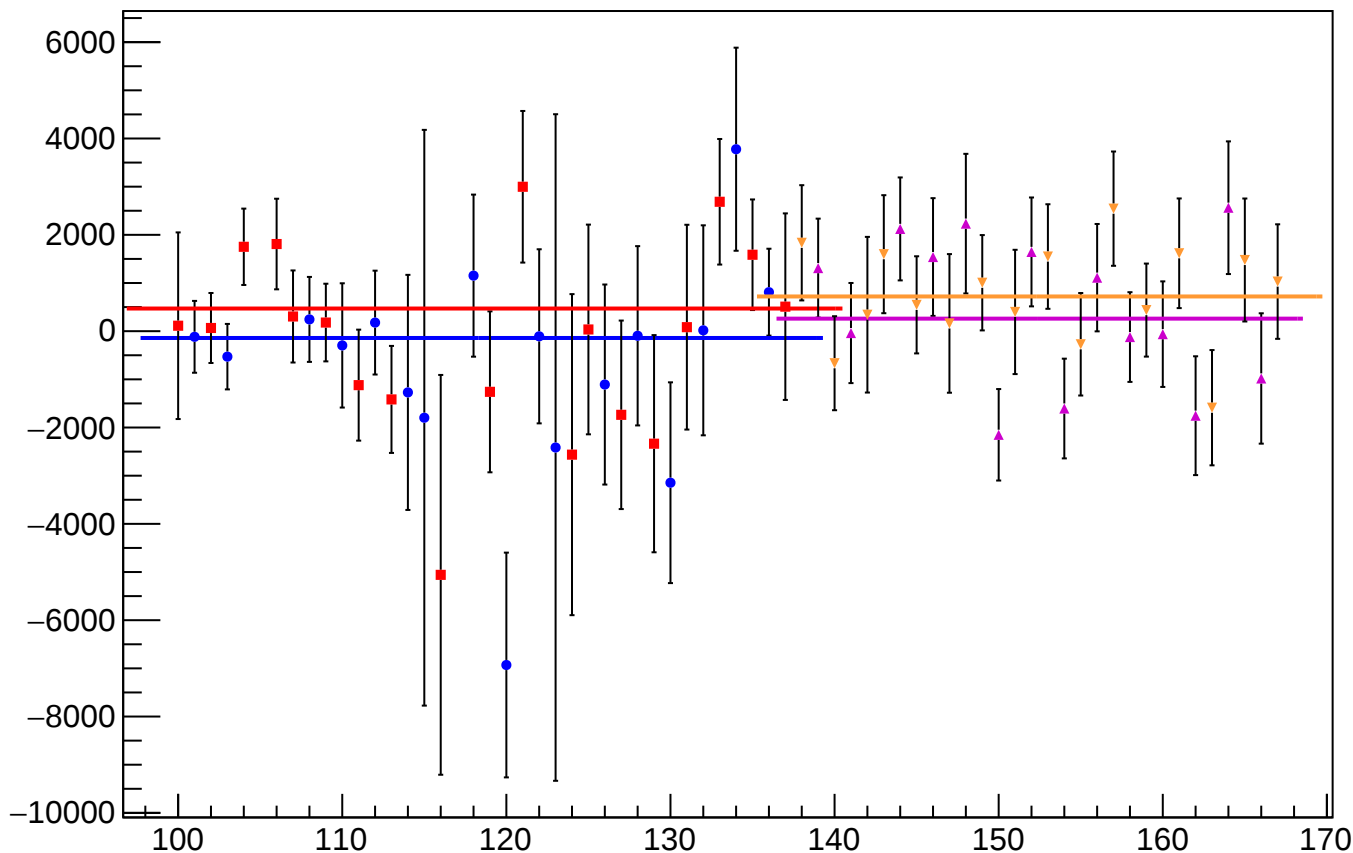
Left In: 2121.184+/-0.460 χ^2/NDF : 385500.9/13

+ sign 2219.477+/-0.373 χ^2/NDF : 1617580.8/32

All: 2210.731+/-0.265 χ^2/NDF : 3122277.7/65

- sign 2201.856+/-0.376 χ^2/NDF : 1503591.5/32

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

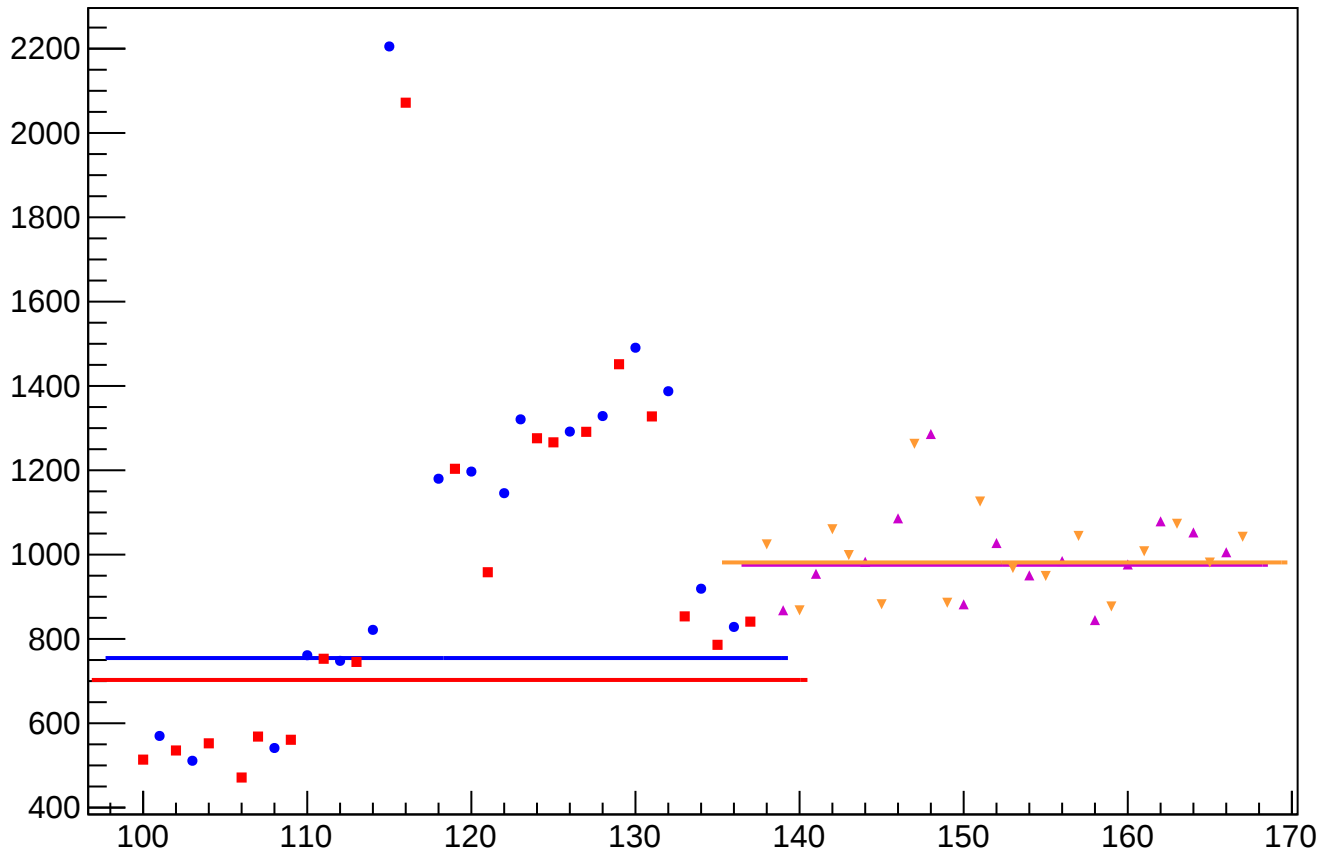
Left In: 260.277+/-298.240 χ^2/NDF :25.5/13

+ sign 328.360+/-211.377 χ^2/NDF : 33.5/32

All: 350.178+/-147.251 χ^2/NDF : 82.2/65

- sign 370.749+/-205.246 χ^2/NDF : 48.6/32

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

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

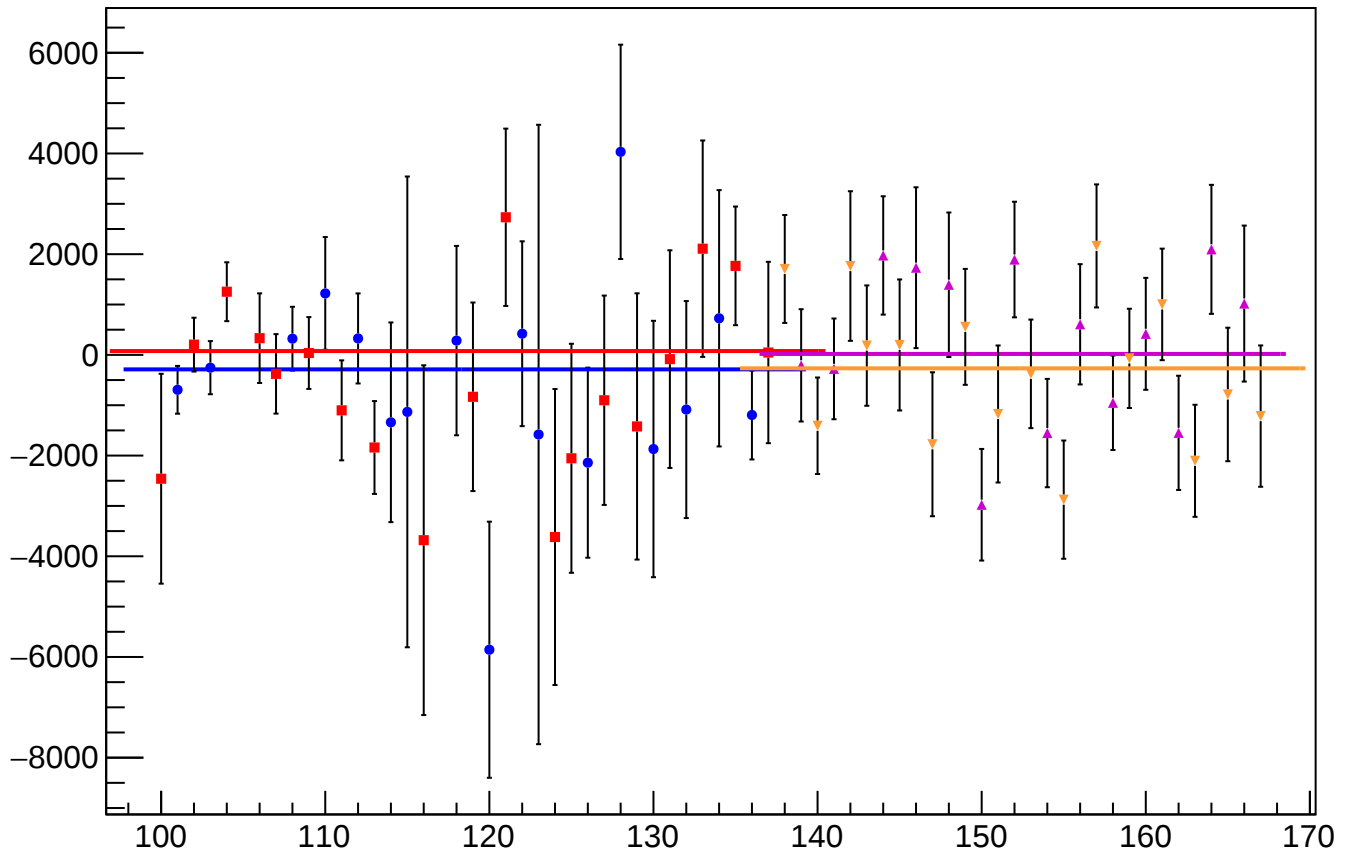
Left In: 975.871 $\pm$ 0.211 χ^2 /NDF:216647.4/13

+ sign 878.233 $\pm$ 0.149 χ^2 /NDF: 2484958.4/32

All: 854.482 $\pm$ 0.104 χ^2 /NDF: 5325370.6/65

- sign 832.088 $\pm$ 0.145 χ^2 /NDF: 2791350.9/32

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

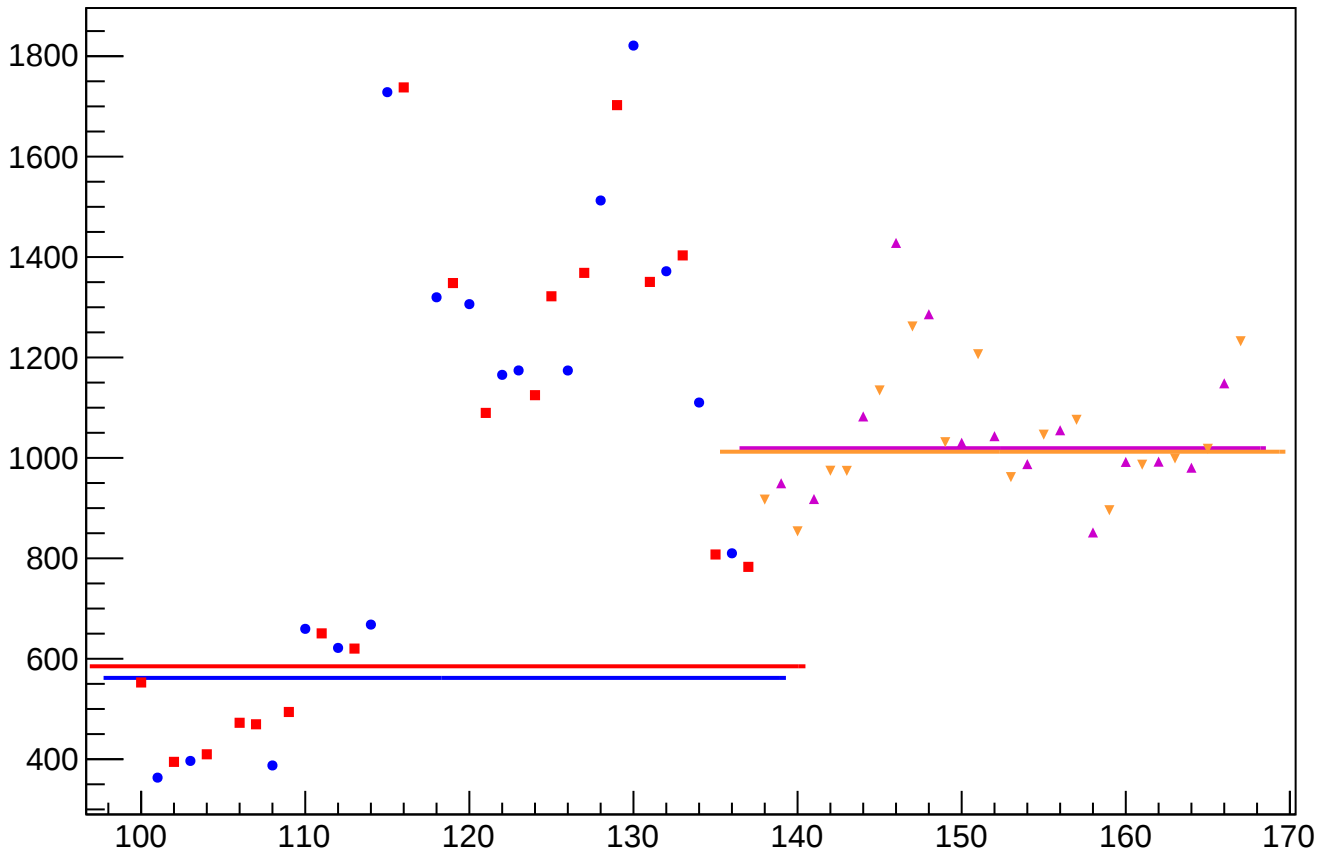
Left In: 18.714 ± 311.723 χ^2/NDF : 23.5/13

+ sign -279.304 ± 190.984 χ^2/NDF : 38.8/32

All: -114.493 ± 135.806 χ^2/NDF : 85.1/65

- sign 54.079 ± 193.151 χ^2/NDF : 44.9/32

asym_sam6_rms vs Slug



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1012.343 $\pm$ 0.209 χ^2 /NDF: 283654.9/15

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

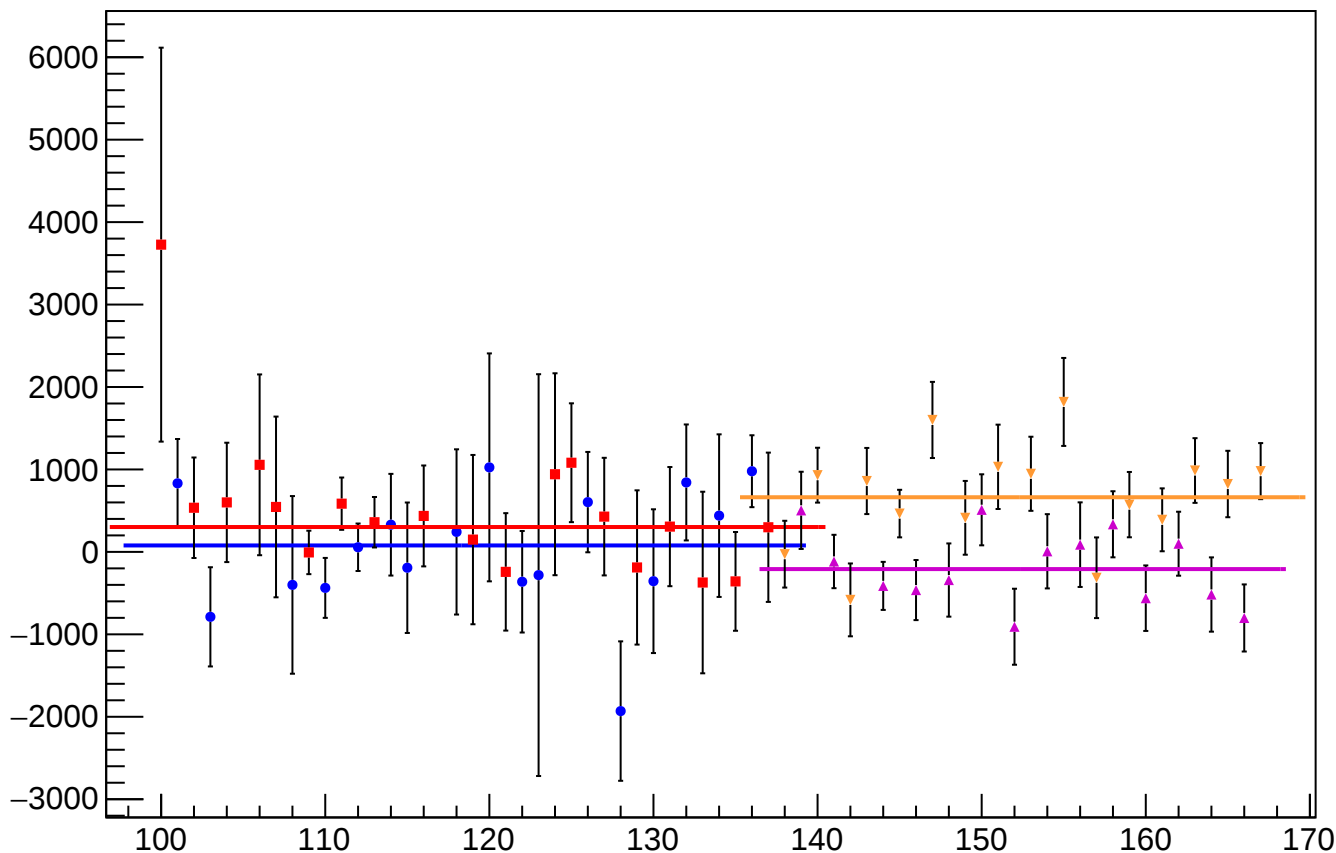
Left In: 1019.317 $\pm$ 0.220 χ^2 /NDF: 320896.2/13

+ sign 750.376 $\pm$ 0.135 χ^2 /NDF: 6207721.0/32

All: 751.052 $\pm$ 0.096 χ^2 /NDF: 11745046.4/65

- sign 751.744 $\pm$ 0.137 χ^2 /NDF: 5537274.7/32

asym_sam7_mean vs Slug



Right In: 78.184 $\pm$ 142.869 χ^2 /NDF: 19.8/16

Left Out: 662.860 $\pm$ 100.408 χ^2 /NDF: 28.5/15

Right Out: 301.651 $\pm$ 129.650 χ^2 /NDF: 9.1/18

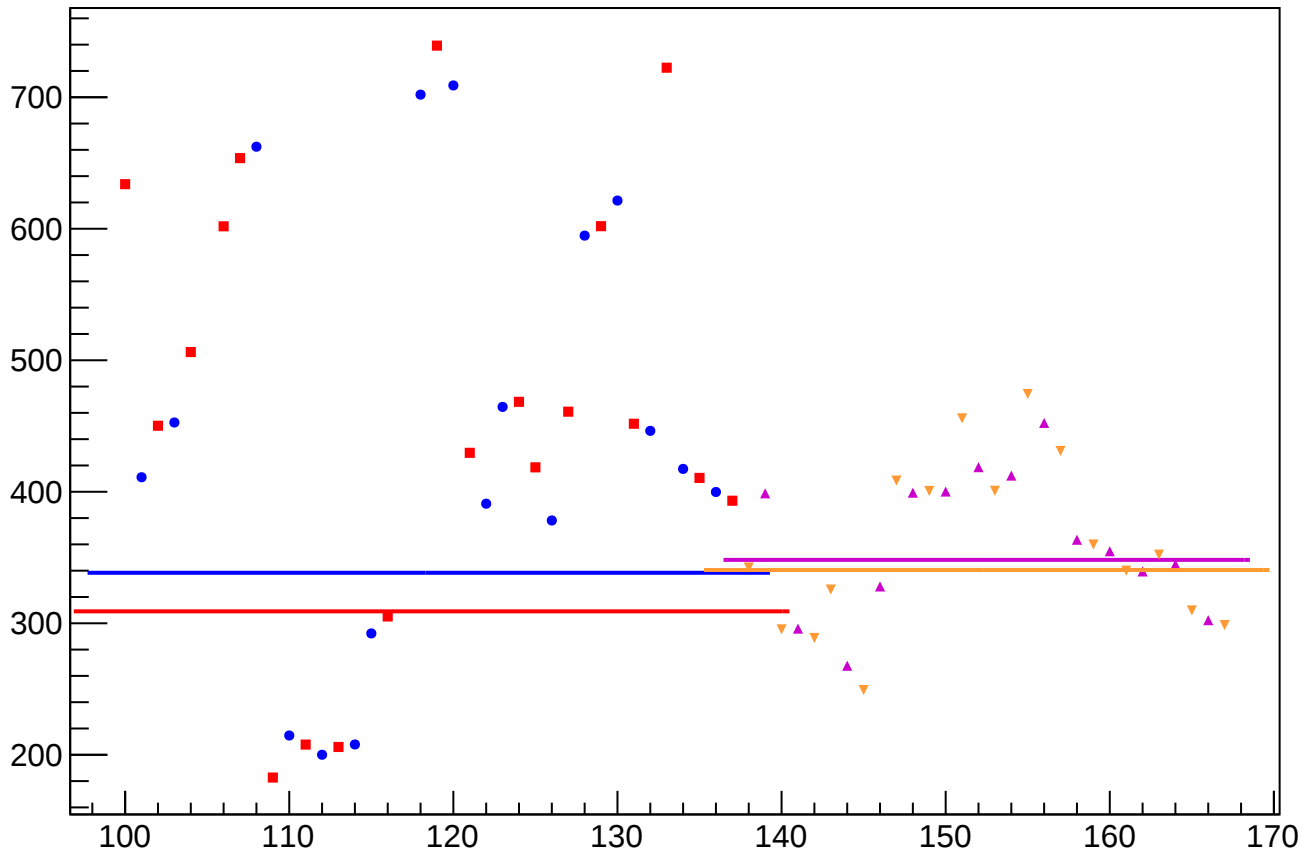
Left In: -208.526 $\pm$ 106.917 χ^2 /NDF: 15.0/13

+ sign 469.554 $\pm$ 82.149 χ^2 /NDF: 59.5/32

All: 234.736 $\pm$ 58.207 χ^2 /NDF: 109.2/65

- sign -2.014 $\pm$ 82.487 χ^2 /NDF: 33.3/32

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

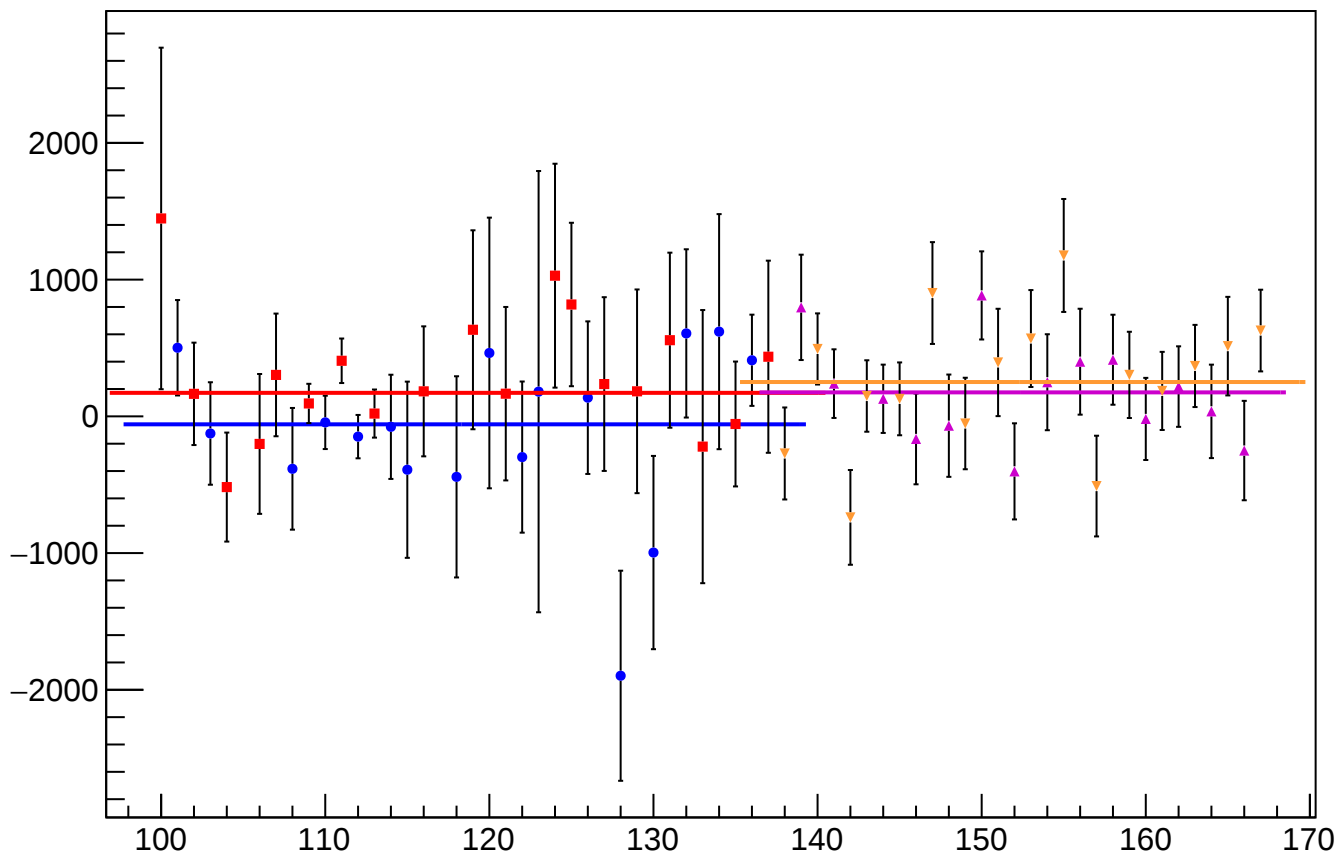
Left In: 348.213 $\pm$ 0.076 χ^2 /NDF: 489645.1/13

+ sign 339.814 $\pm$ 0.058 χ^2 /NDF: 2736870.5/32

All: 336.109 $\pm$ 0.041 χ^2 /NDF: 6076599.5/65

- sign 332.373 $\pm$ 0.058 χ^2 /NDF: 3331557.3/32

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

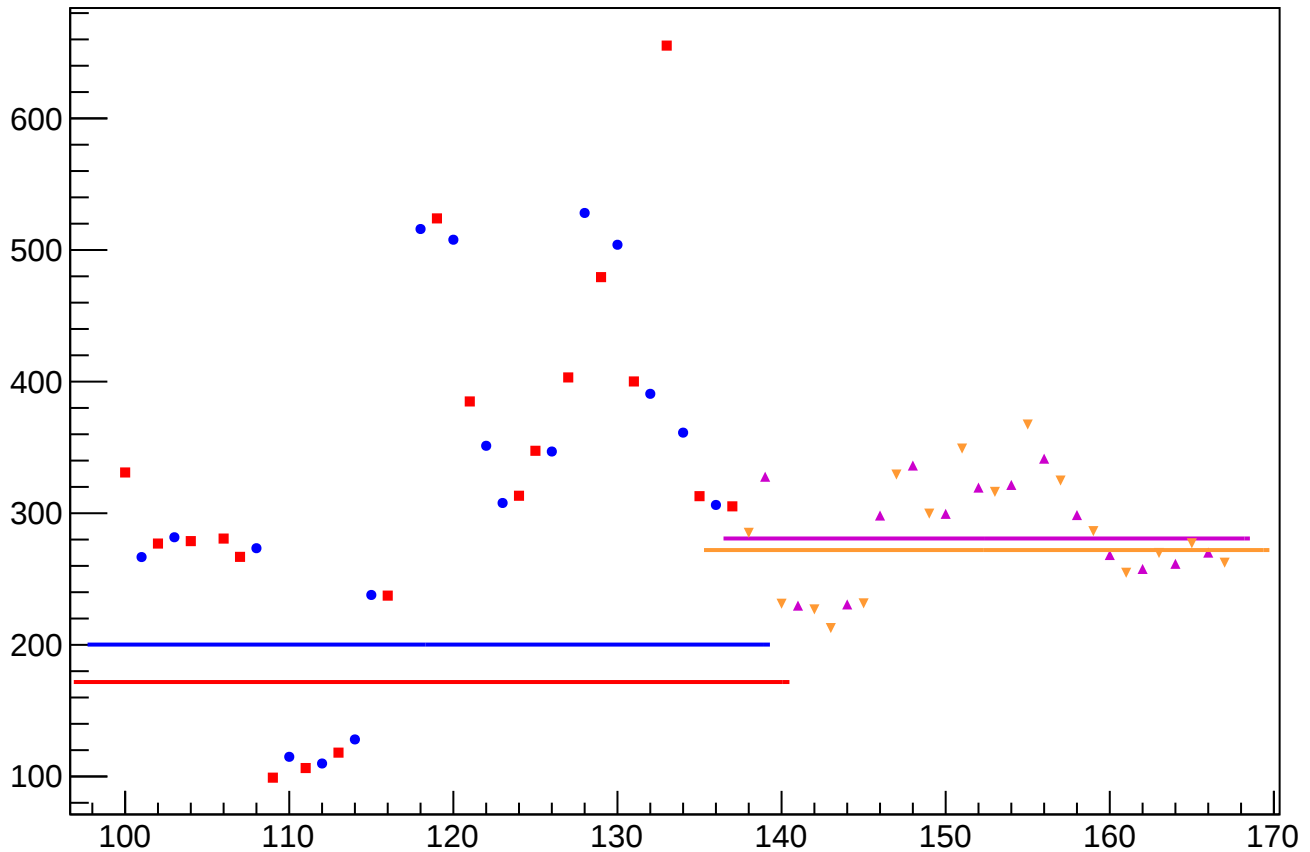
Left In: 175.350 ± 85.956 χ^2/NDF : 14.6/13

+ sign 115.626 ± 59.876 χ^2/NDF : 50.7/32

All: 145.806 ± 41.406 χ^2/NDF : 77.1/65

- sign 173.465 ± 57.320 χ^2/NDF : 26.0/32

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

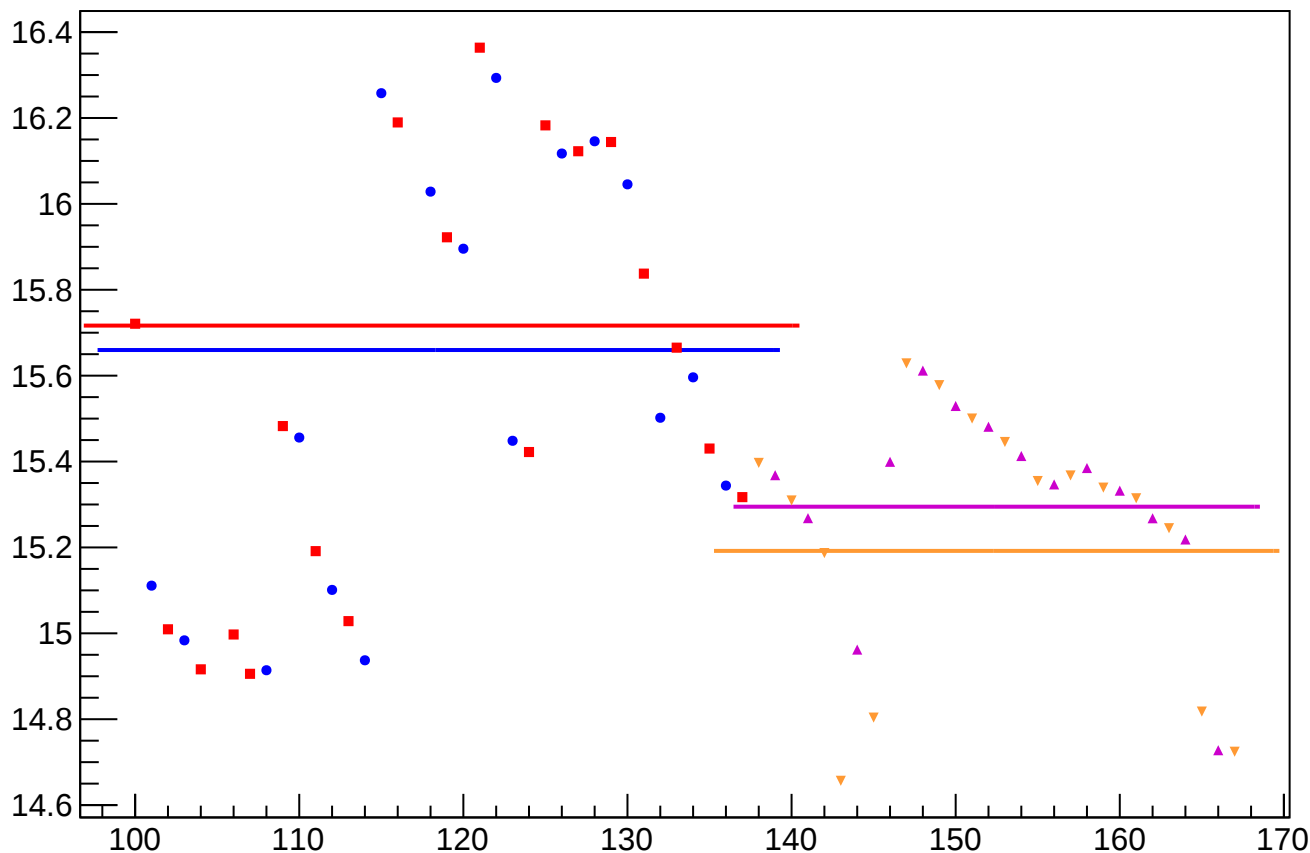
Left In: 280.814+/-0.061 χ^2/NDF : 378802.3/13

+ sign 240.579+/-0.042 χ^2/NDF : 4661789.2/32

All: 229.973+/-0.029 χ^2/NDF : 11042558.1/65

- sign 220.254+/-0.041 χ^2/NDF : 6260518.1/32

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

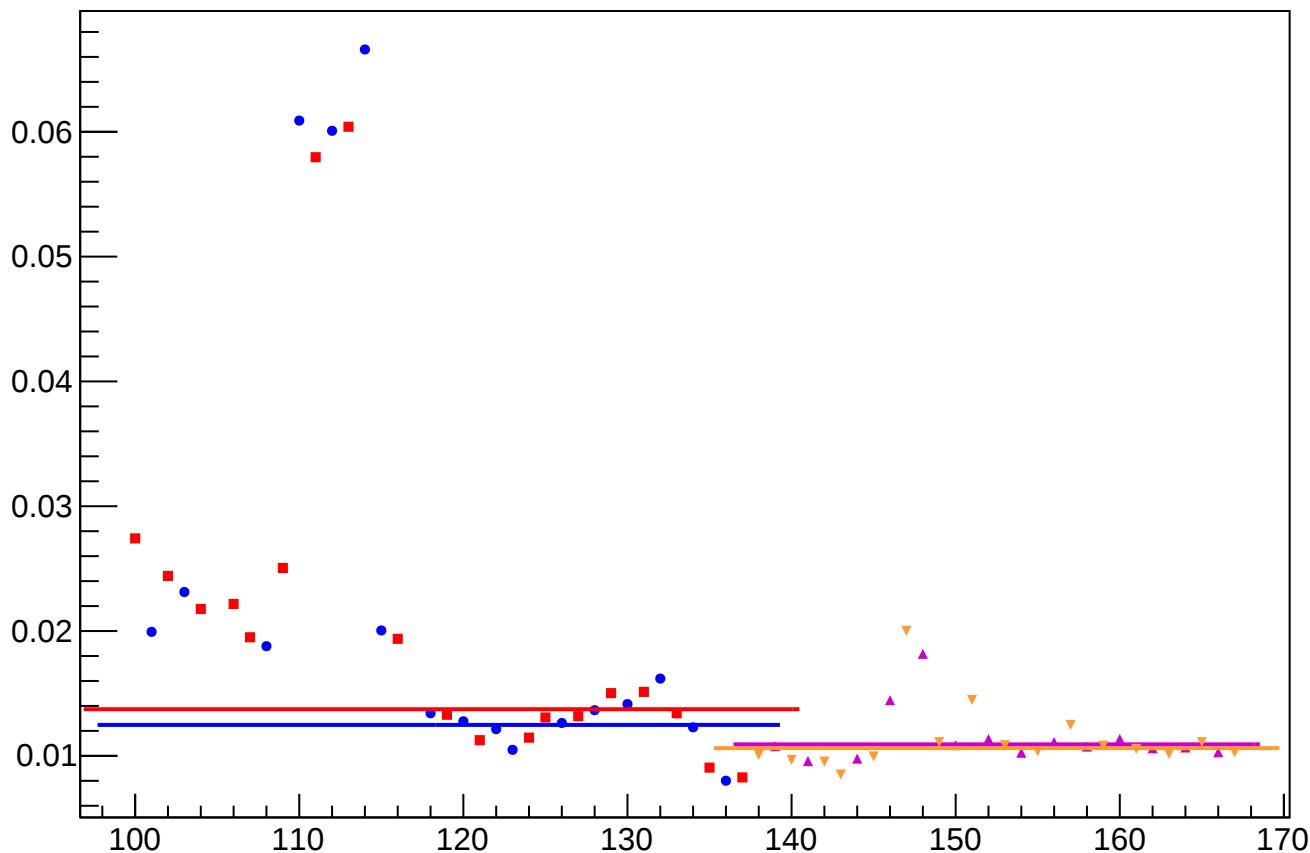
Left In: 15.295 $\pm$ 0.000 χ^2 /NDF: 3663916454.8/13

+ sign 15.310 $\pm$ 0.000 χ^2 /NDF: 20027483578.5/32

All: 15.353 $\pm$ 0.000 χ^2 /NDF: 33498431024.1

- sign 15.401 $\pm$ 0.000 χ^2 /NDF: 12960646748.0/32

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

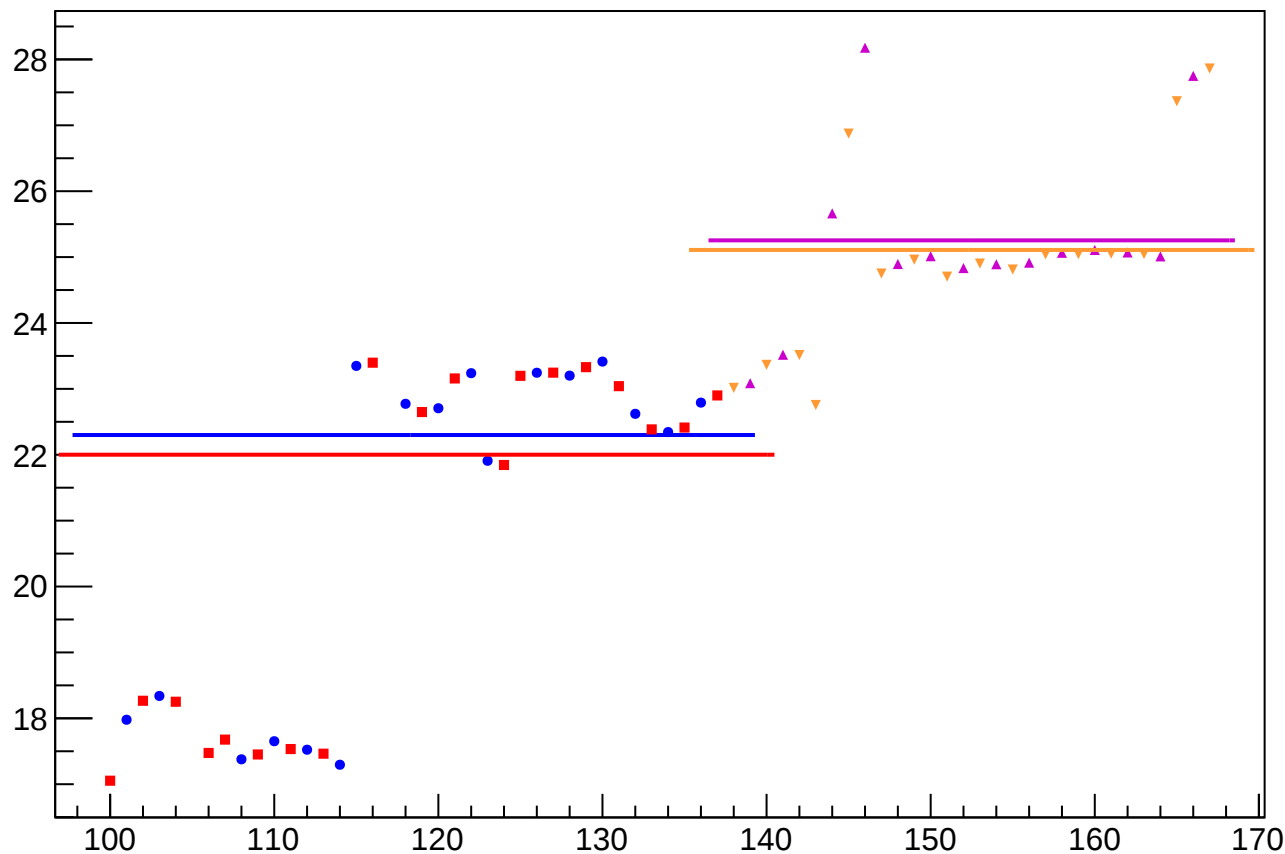
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:402078.2/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2914636.3/32

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5771782.6/65

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2821117.6/32

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

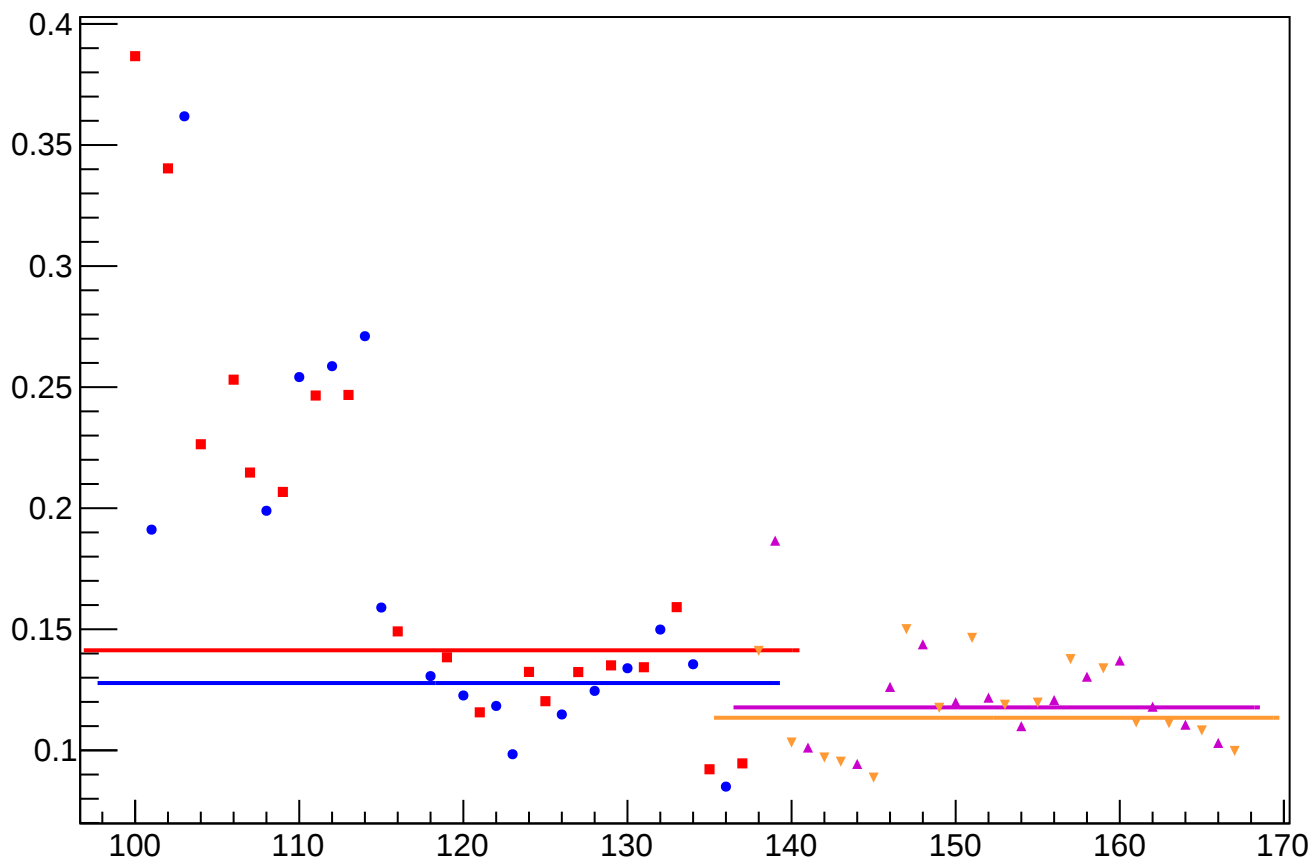
Left In: 25.254+/-0.000 χ^2/NDF : 1005910723.1/13

+ sign 24.313+/-0.000 χ^2/NDF : 4456996612.5/32

All: 24.311+/-0.000 χ^2/NDF : 8598320607.2/6

- sign 24.308+/-0.000 χ^2/NDF : 4141306135.4/32

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

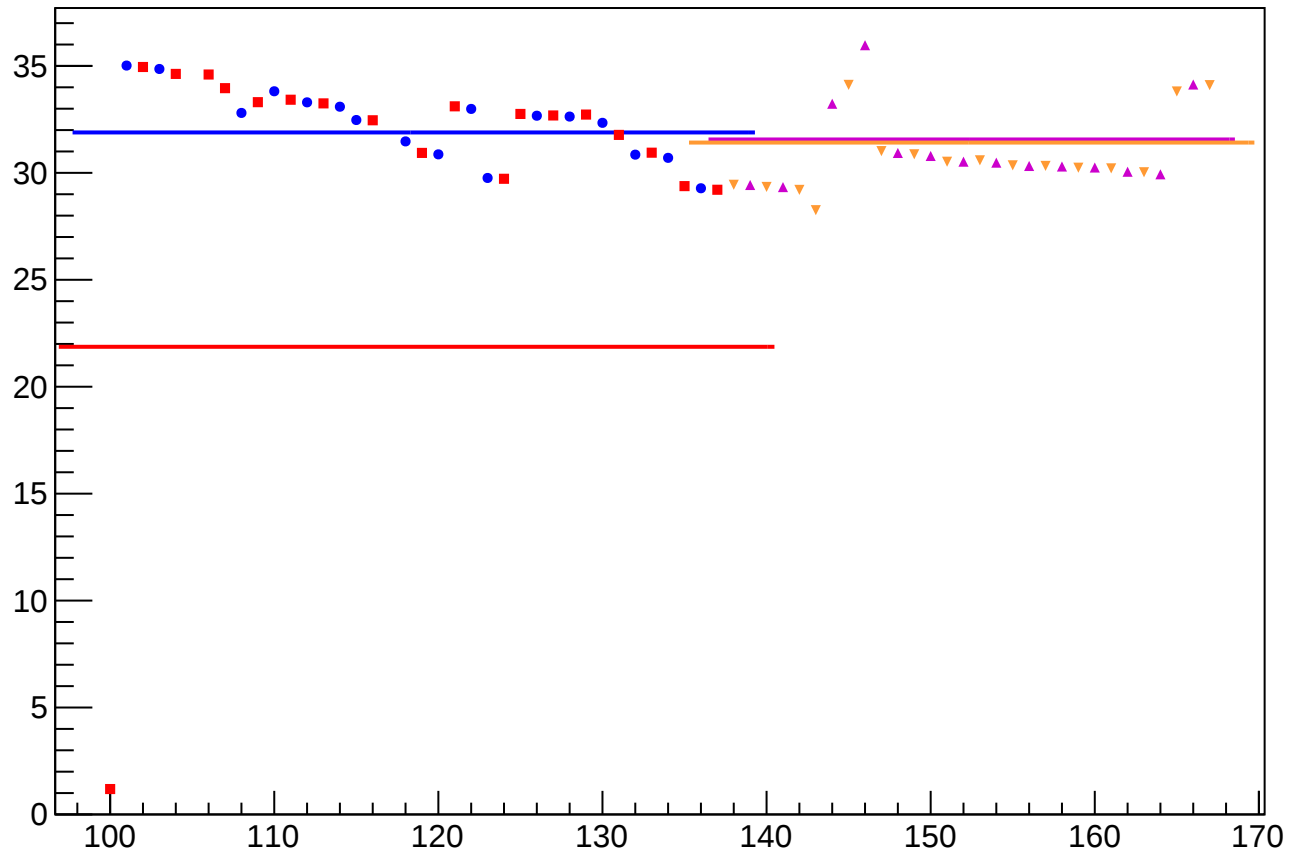
Left In: 0.118 $\pm$ 0.000 χ^2 /NDF:451215.8/13

+ sign 0.118 $\pm$ 0.000 χ^2 /NDF: 2070758.8/32

All: 0.121 $\pm$ 0.000 χ^2 /NDF: 4239612.2/65

- sign 0.125 $\pm$ 0.000 χ^2 /NDF: 2117894.1/32

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

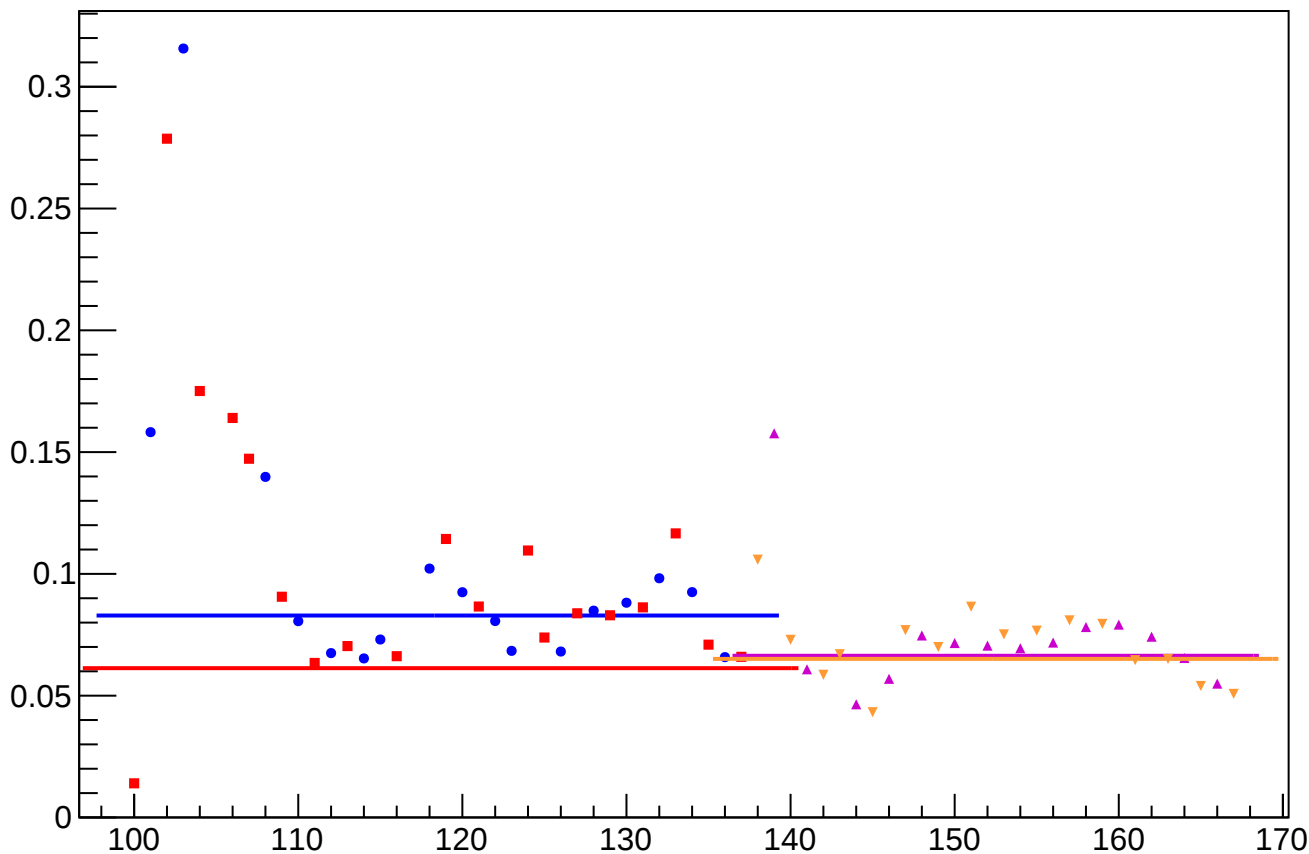
Left In: 31.561+/-0.000 χ^2/NDF : 7768502625.8/13

+ sign 31.535+/-0.000 χ^2/NDF : 10081518700.0/32

All: 29.760+/-0.000 χ^2/NDF : 329220652990.

- sign 28.043+/-0.000 χ^2/NDF : 301561855292.4/32

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

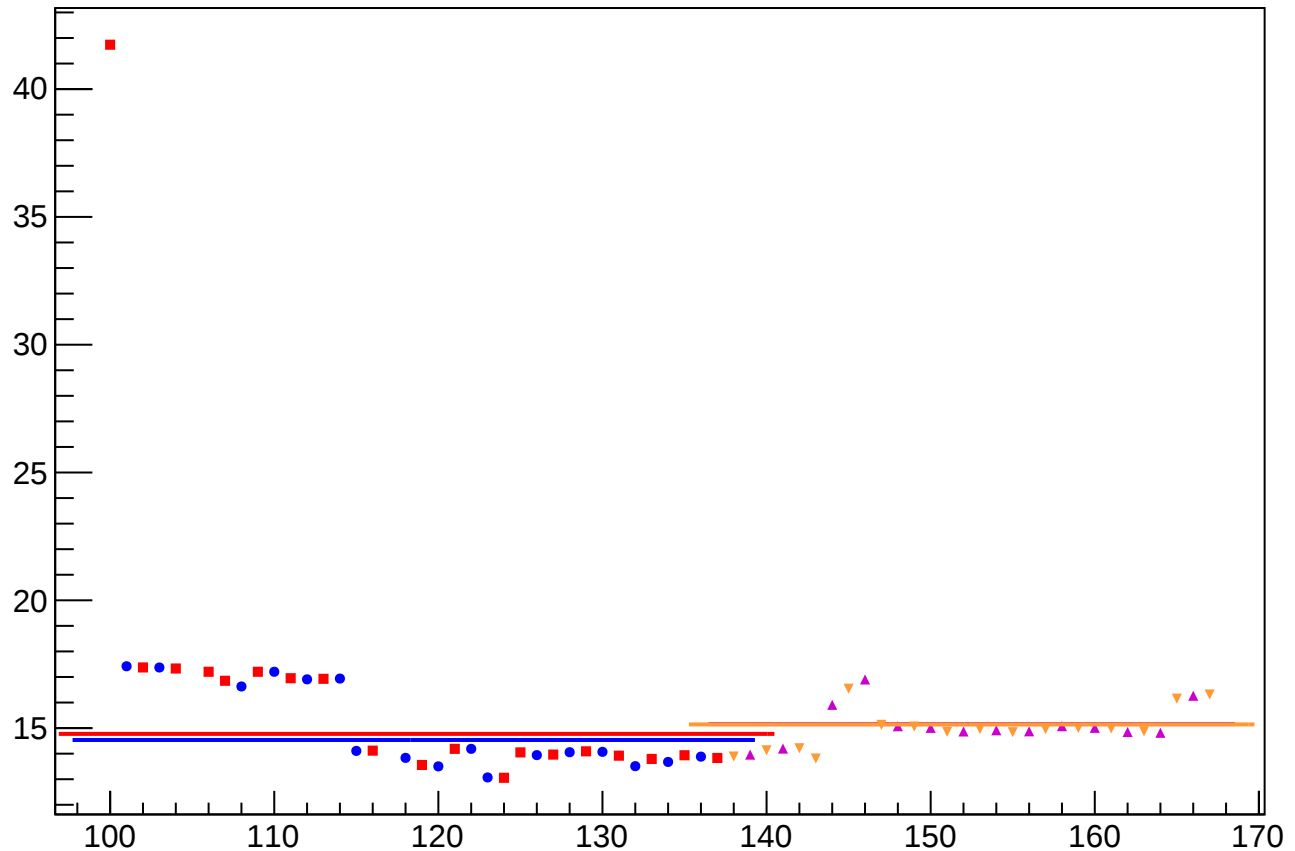
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 890176.8/13

+ sign 0.070 $\pm$ 0.000 χ^2 /NDF: 2377732.4/32

All: 0.067 $\pm$ 0.000 χ^2 /NDF: 6980357.4/65

- sign 0.065 $\pm$ 0.000 χ^2 /NDF: 4529083.6/32

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

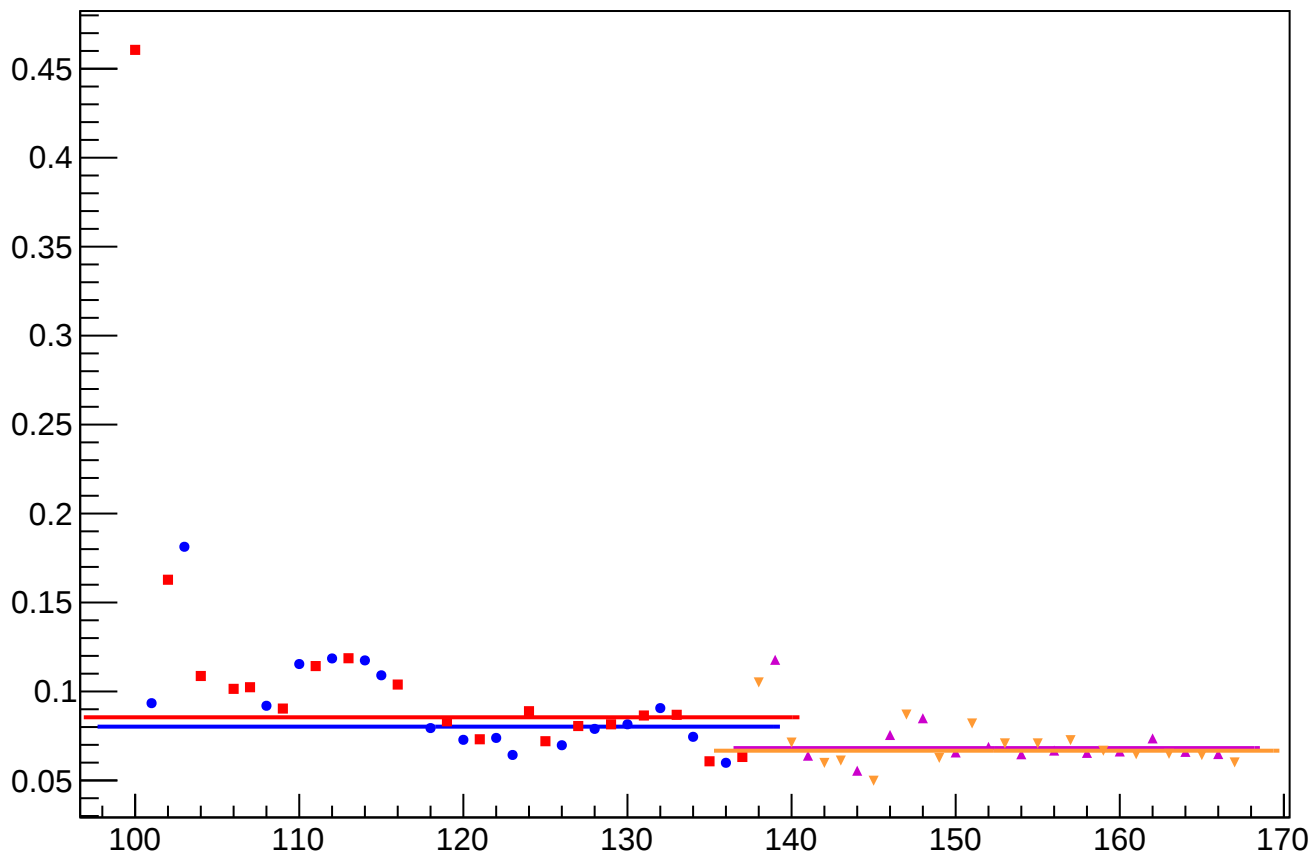
Left In: 15.157+/-0.000 χ^2 /NDF: 894081430.1/13

+ sign 14.975+/-0.000 χ^2 /NDF: 3108162047.2/32

All: 15.009+/-0.000 χ^2 /NDF: 5979996427.2/6

- sign 15.046+/-0.000 χ^2 /NDF: 2864591777.9/32

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

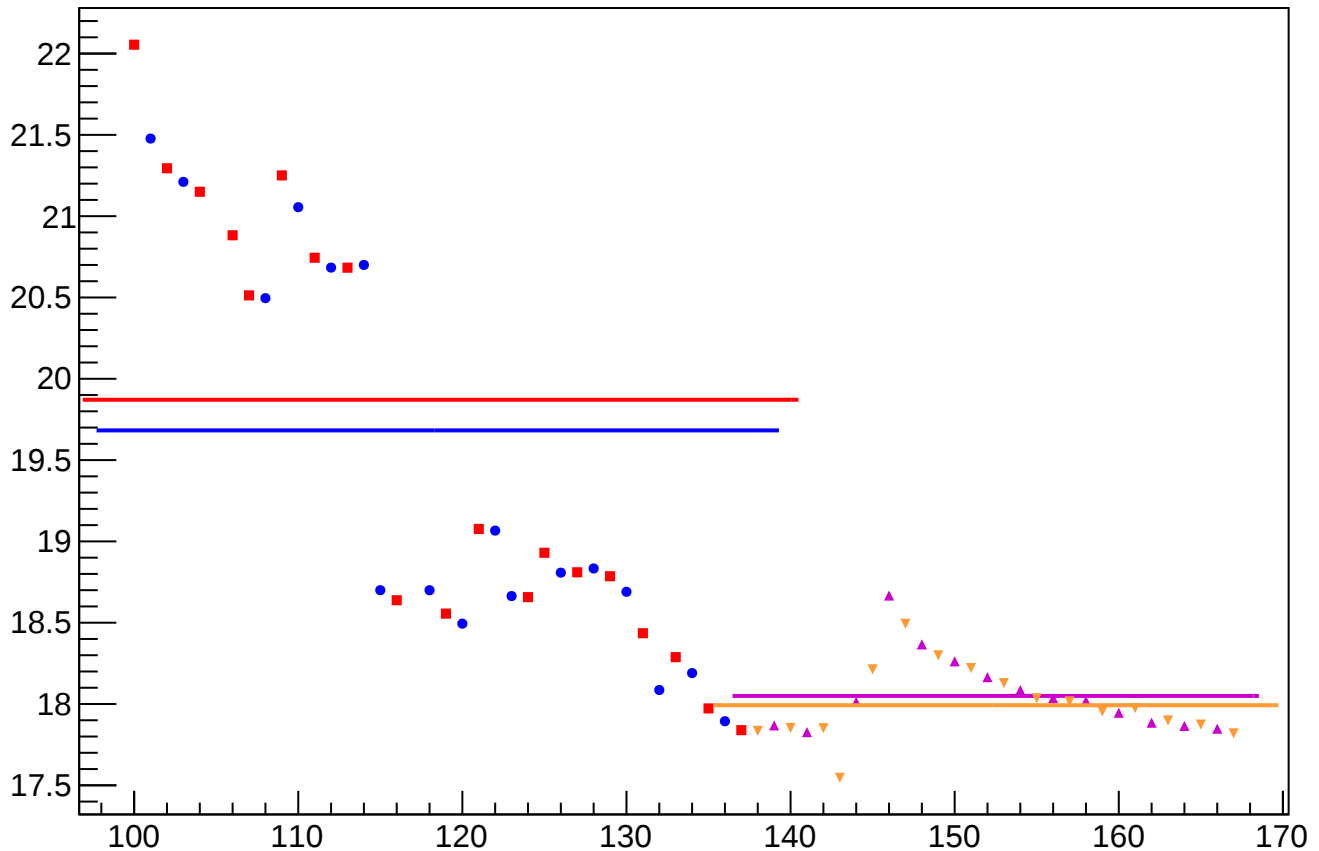
Left In: 0.068 $\pm$ 0.000 χ^2 /NDF: 414470.3/13

+ sign 0.070 $\pm$ 0.000 χ^2 /NDF: 1500952.1/32

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 3017501.7/65

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 1494624.1/32

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

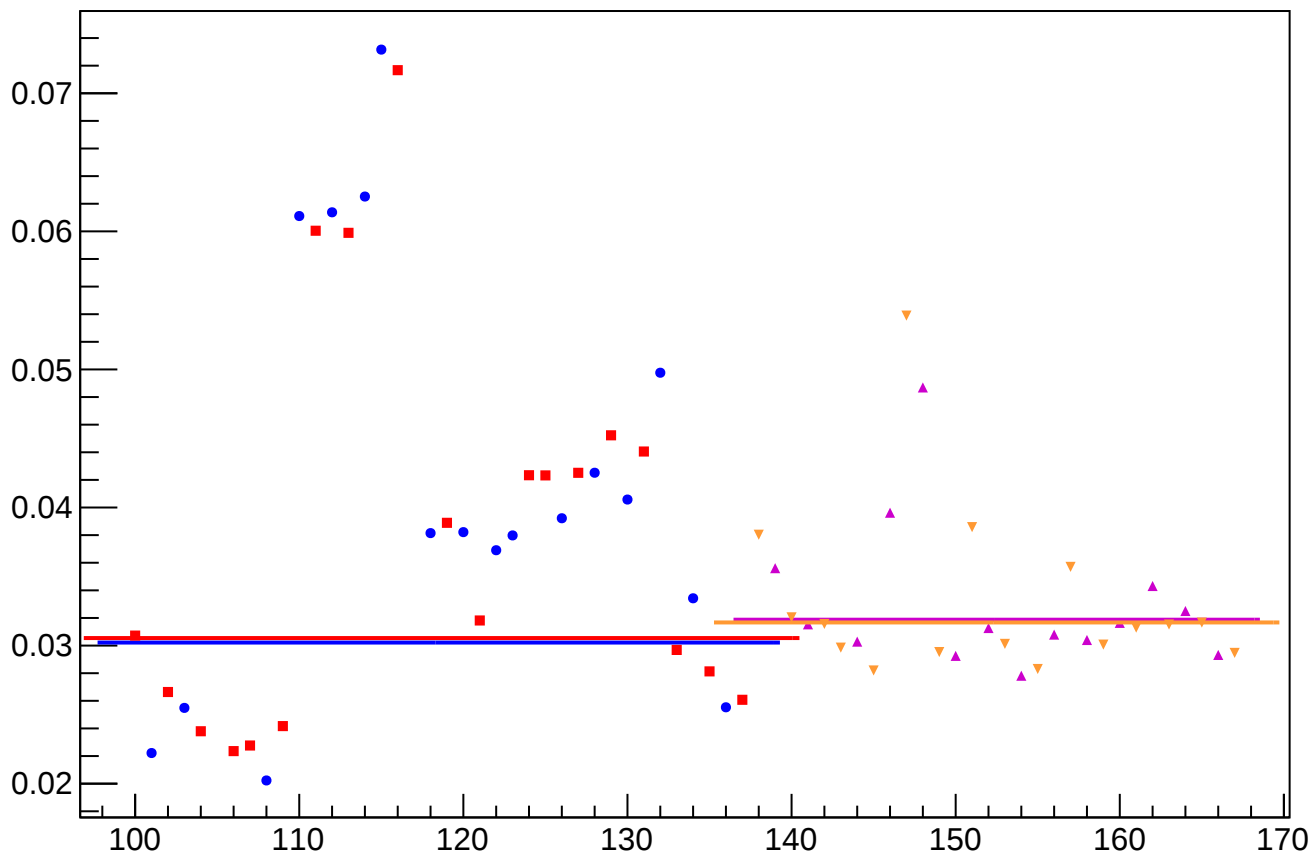
Left In: 18.050+/-0.000 χ^2 /NDF: 398519087.8/13

+ sign 18.590+/-0.000 χ^2 /NDF: 24021128641.4/32

All: 18.668+/-0.000 χ^2 /NDF: 48874417749.7

- sign 18.750+/-0.000 χ^2 /NDF: 24637888071.8/32

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

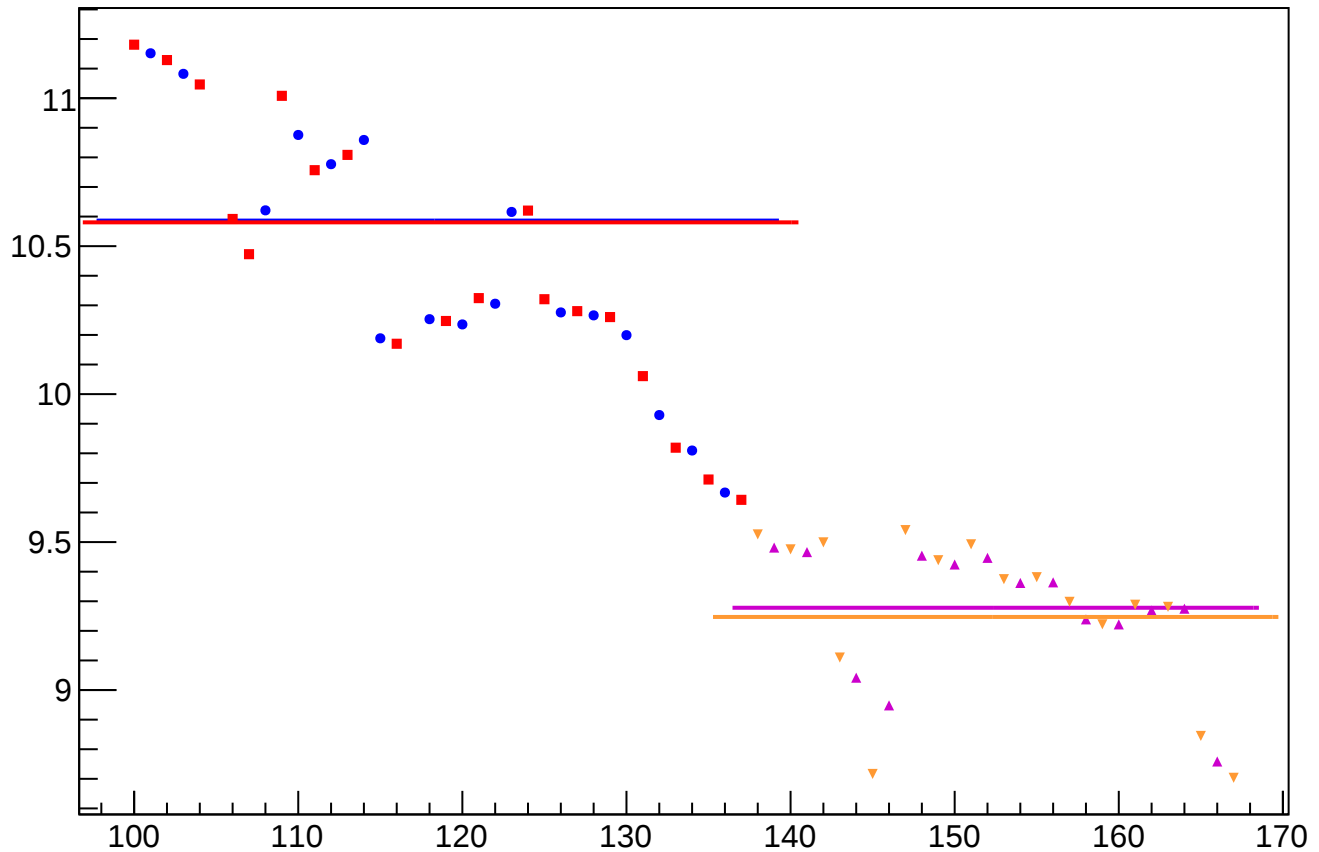
Left In: 0.032 $\pm$ 0.000 χ^2 /NDF:329930.9/13

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 1775178.6/32

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 3309285.8/65

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 1533417.1/32

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

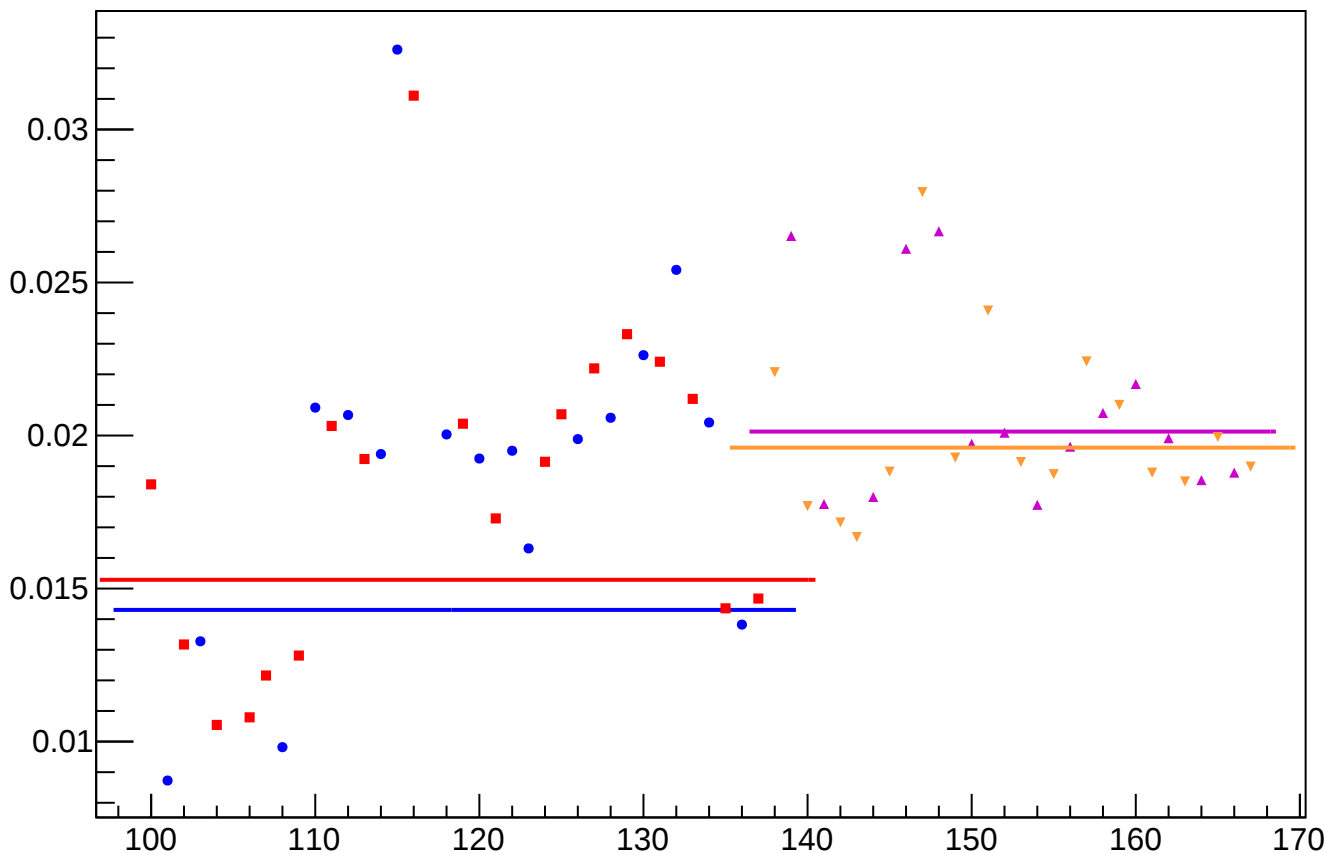
Left In: 9.278 $\pm$ 0.000 χ^2 /NDF: 927199457.1/13

+ sign 9.892 $\pm$ 0.000 χ^2 /NDF: 33642790129.0/32

All: 9.916 $\pm$ 0.000 χ^2 /NDF: 61423930560.5/6

- sign 9.941 $\pm$ 0.000 χ^2 /NDF: 27717218755.5/32

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

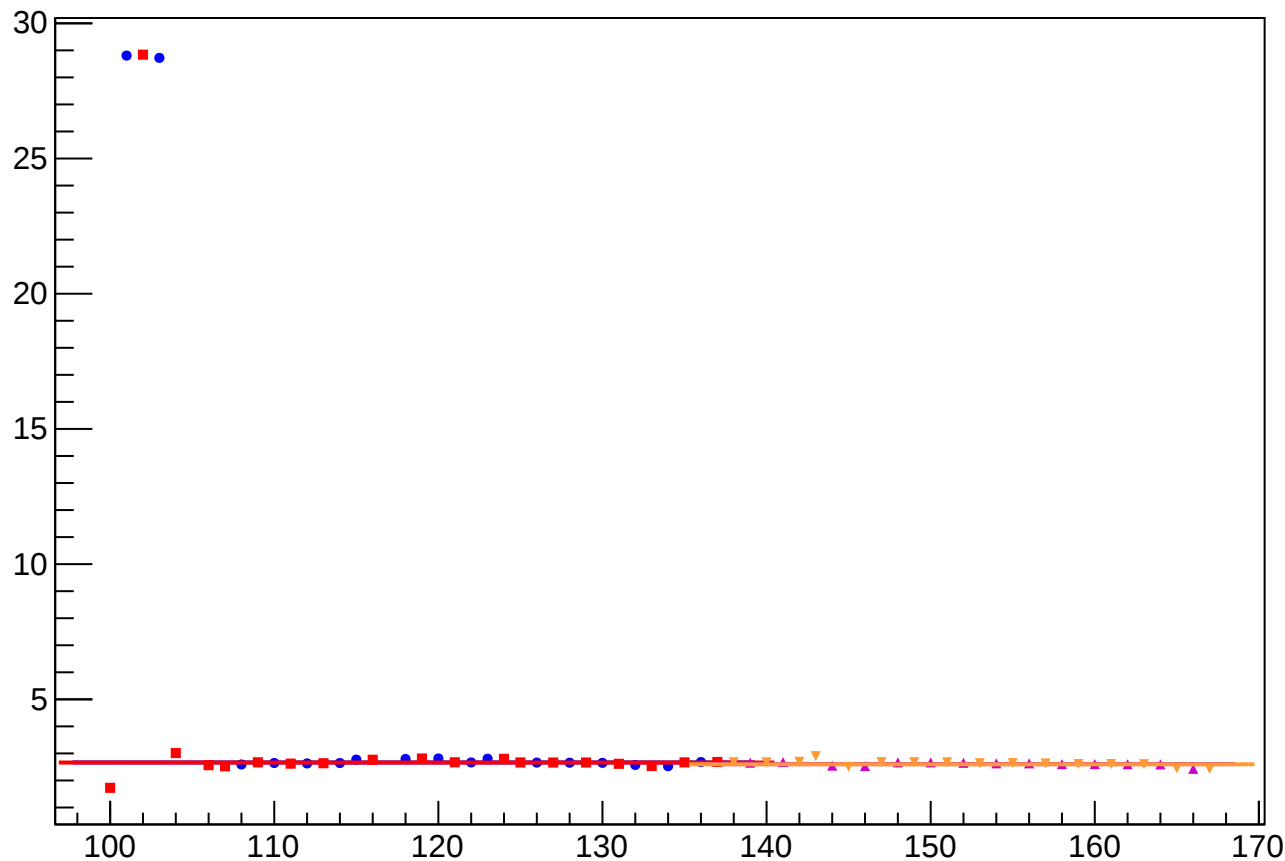
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:351418.8/13

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2482995.2/32

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 4424221.1/65

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 1921977.3/32

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

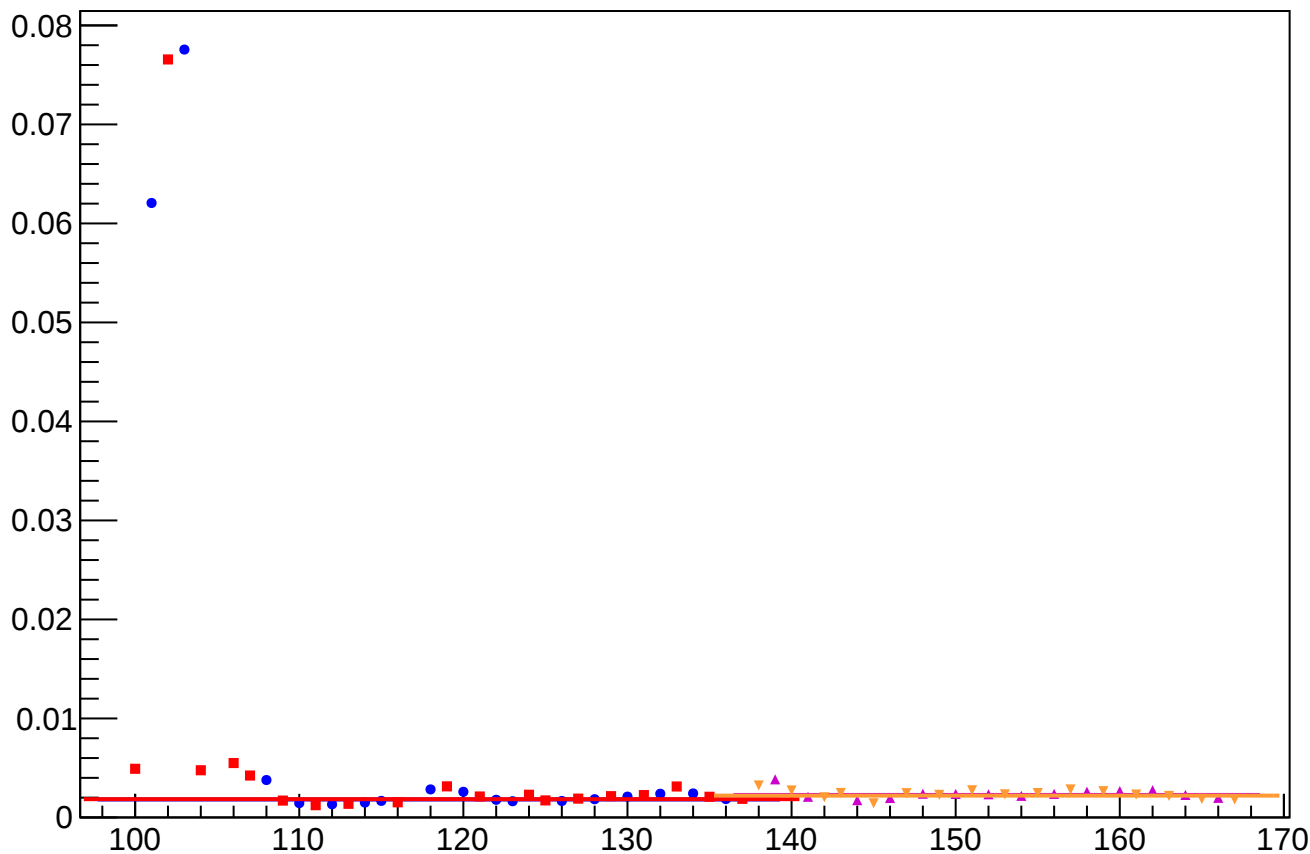
Left In: 2.605 $\pm$ 0.000 χ^2 /NDF: 7305944455.1/13

+ sign 2.625 $\pm$ 0.000 χ^2 /NDF: 190039899938.5/32

All: 2.628 $\pm$ 0.000 χ^2 /NDF: 270465756769.1

- sign 2.632 $\pm$ 0.000 χ^2 /NDF: 80364023918.4/32

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

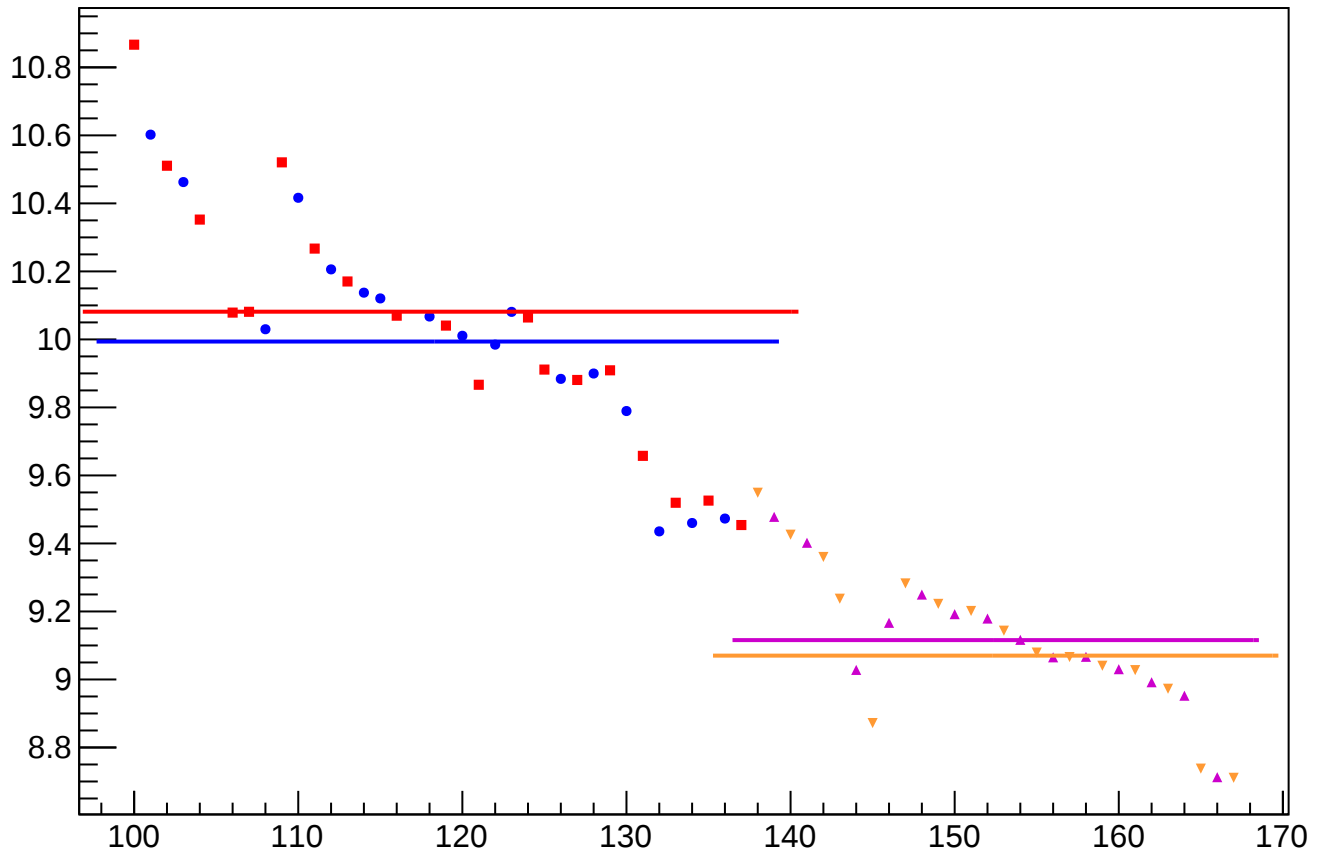
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:521650.7/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3717521.0/32

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6855306.1/65

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3134706.2/32

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

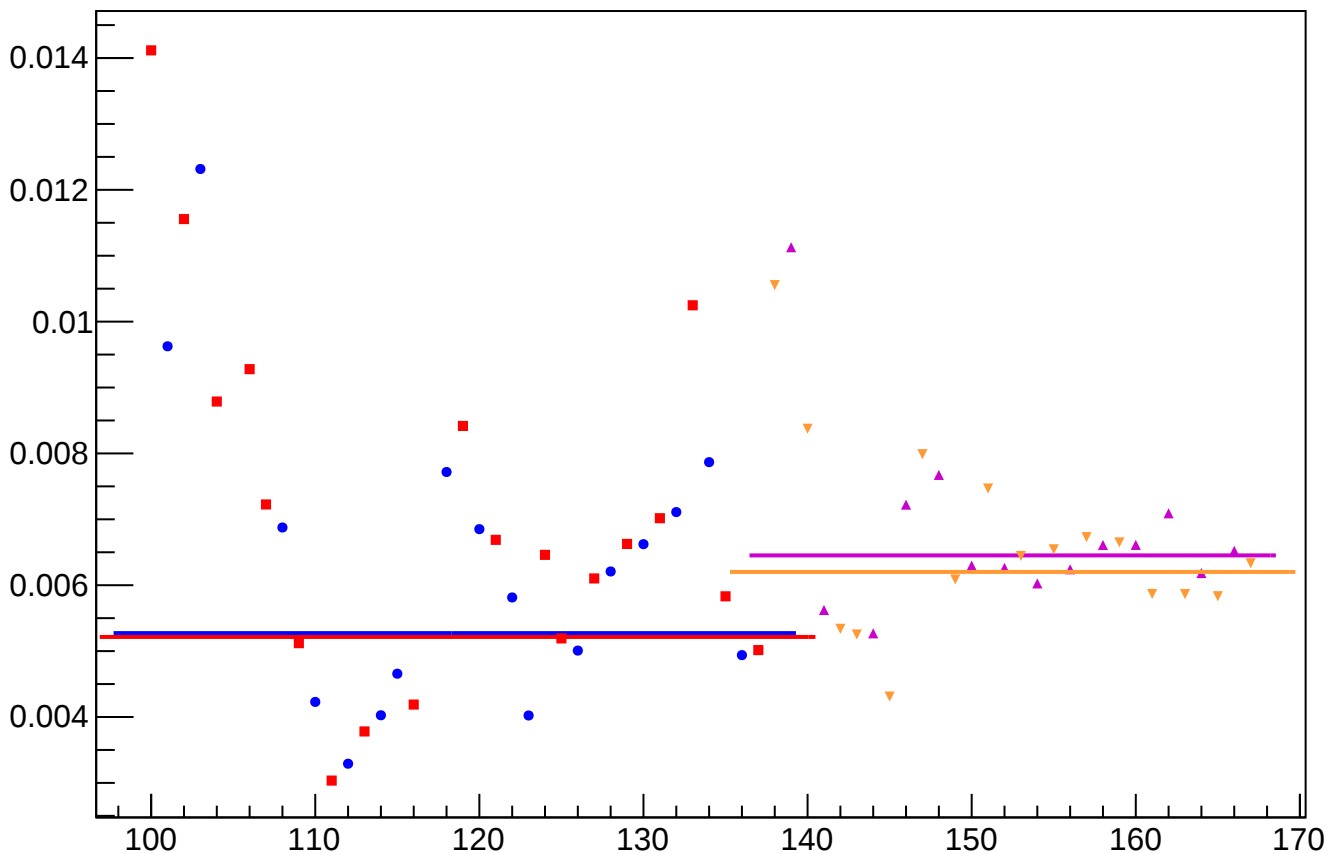
Left In: 9.116 $\pm$ 0.000 χ^2 /NDF: 4999959045.2/13

+ sign 9.461 $\pm$ 0.000 χ^2 /NDF: 117722394135.0/32

All: 9.518 $\pm$ 0.000 χ^2 /NDF: 234569100744.8

- sign 9.578 $\pm$ 0.000 χ^2 /NDF: 114044569813.5/32

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

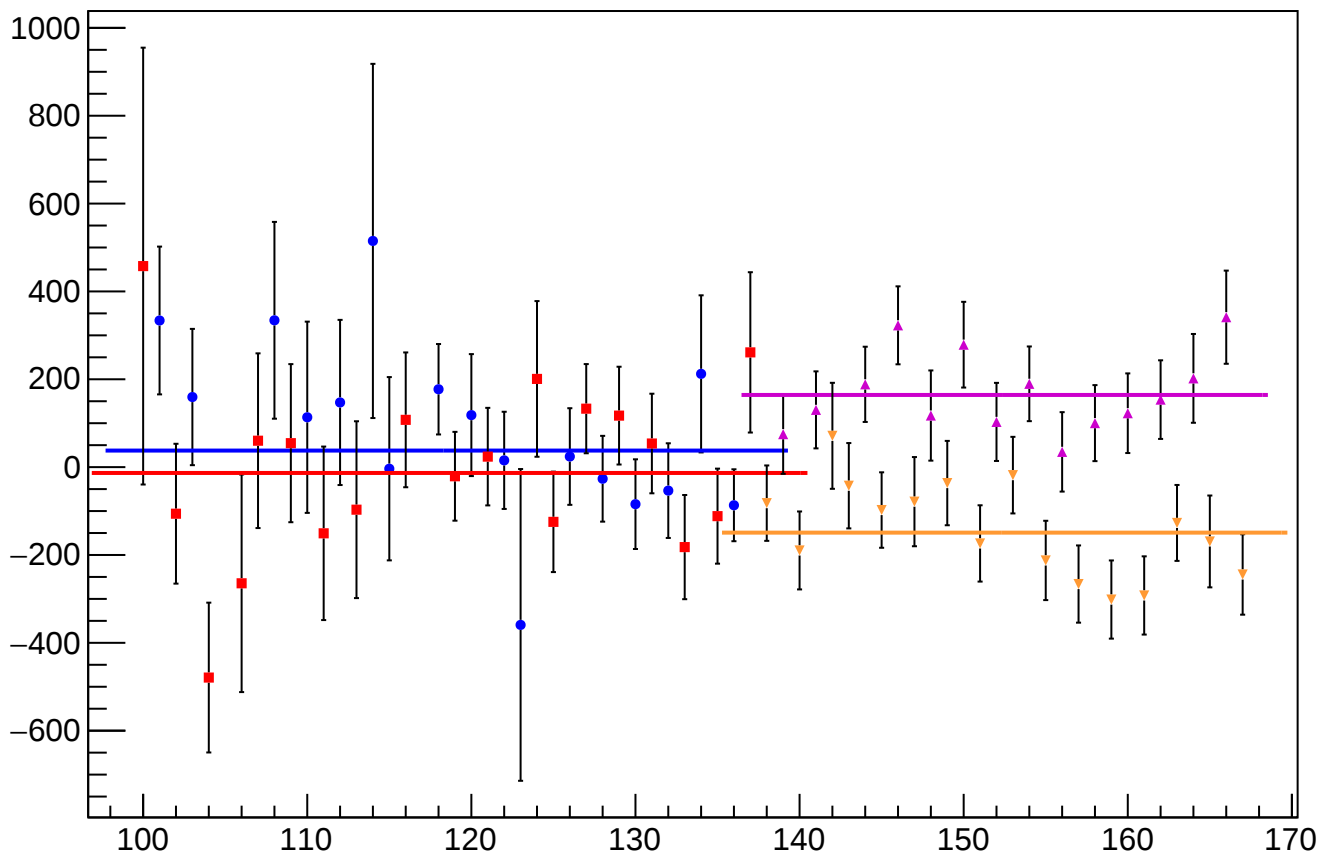
Left In: 0.006+/-0.000 χ^2/NDF : 403729.3/13

+ sign 0.006+/-0.000 χ^2/NDF : 2108410.3/32

All: 0.006+/-0.000 χ^2/NDF : 4478494.4/65

- sign 0.006+/-0.000 χ^2/NDF : 2368953.3/32

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

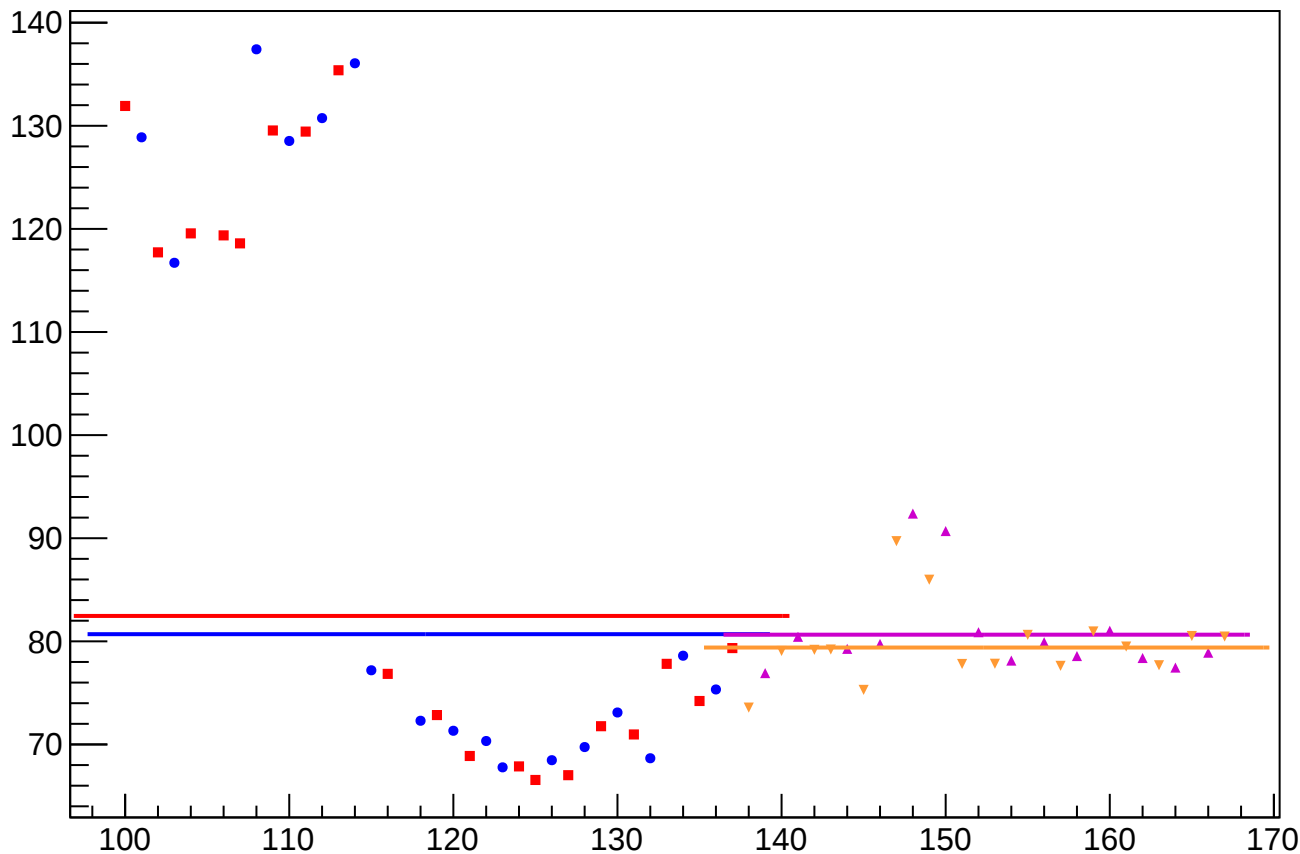
Left In: 164.312 ± 24.470 χ^2/NDF : 12.3/13

+ sign -86.180 ± 18.722 χ^2/NDF : 57.8/32

All: 2.845 ± 13.489 χ^2/NDF : 159.3/65

- sign 98.956 ± 19.453 χ^2/NDF : 54.4/32

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

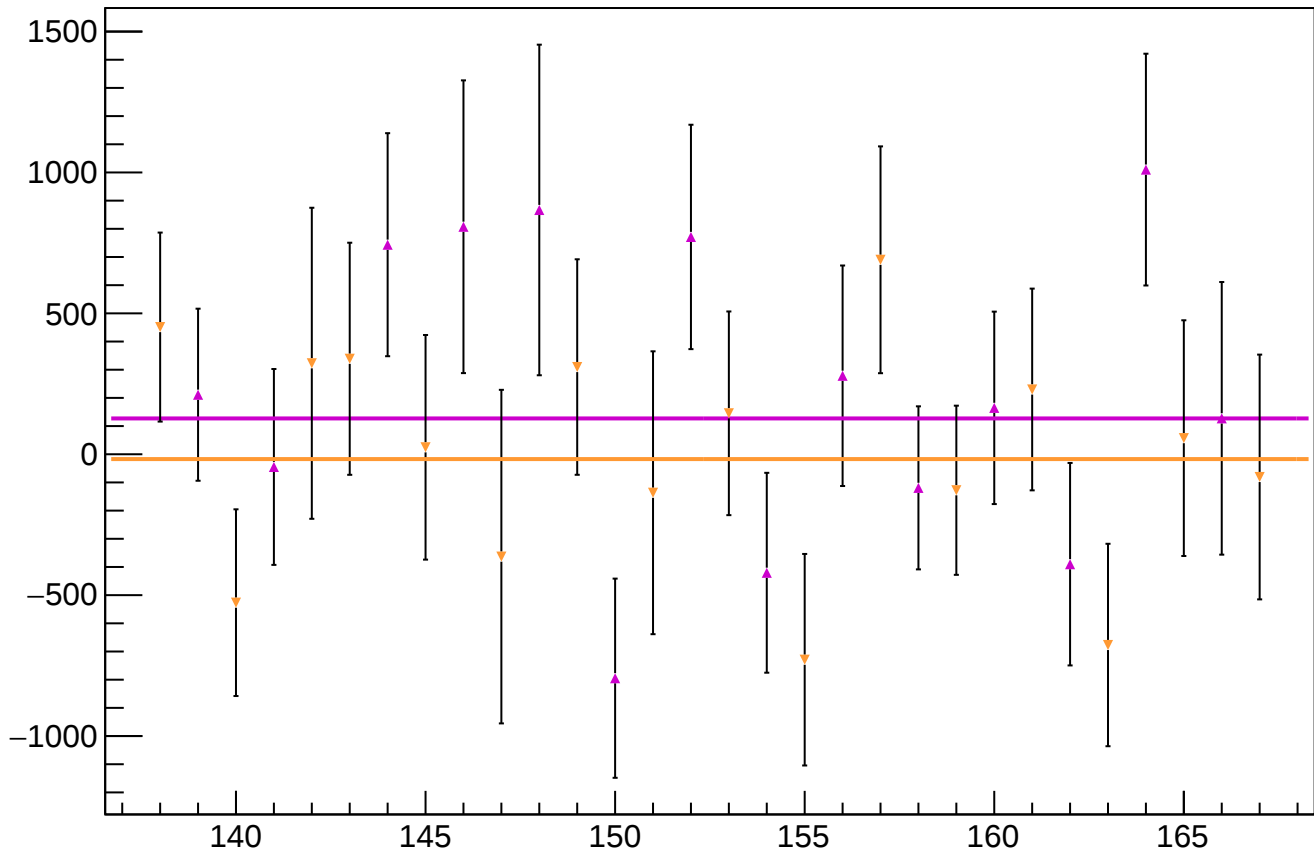
Left In: 80.646 $\pm$ 0.017 χ^2 /NDF: 58419.3/13

+ sign 79.836 $\pm$ 0.013 χ^2 /NDF: 864443.6/32

All: 80.547 $\pm$ 0.010 χ^2 /NDF: 1847806.5/65

- sign 81.315 $\pm$ 0.014 χ^2 /NDF: 977359.5/32

asym_sam1_correction_mean vs Slug



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

Left Out: -17.122 $\pm$ 97.247 χ^2 /NDF:17.5/15

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

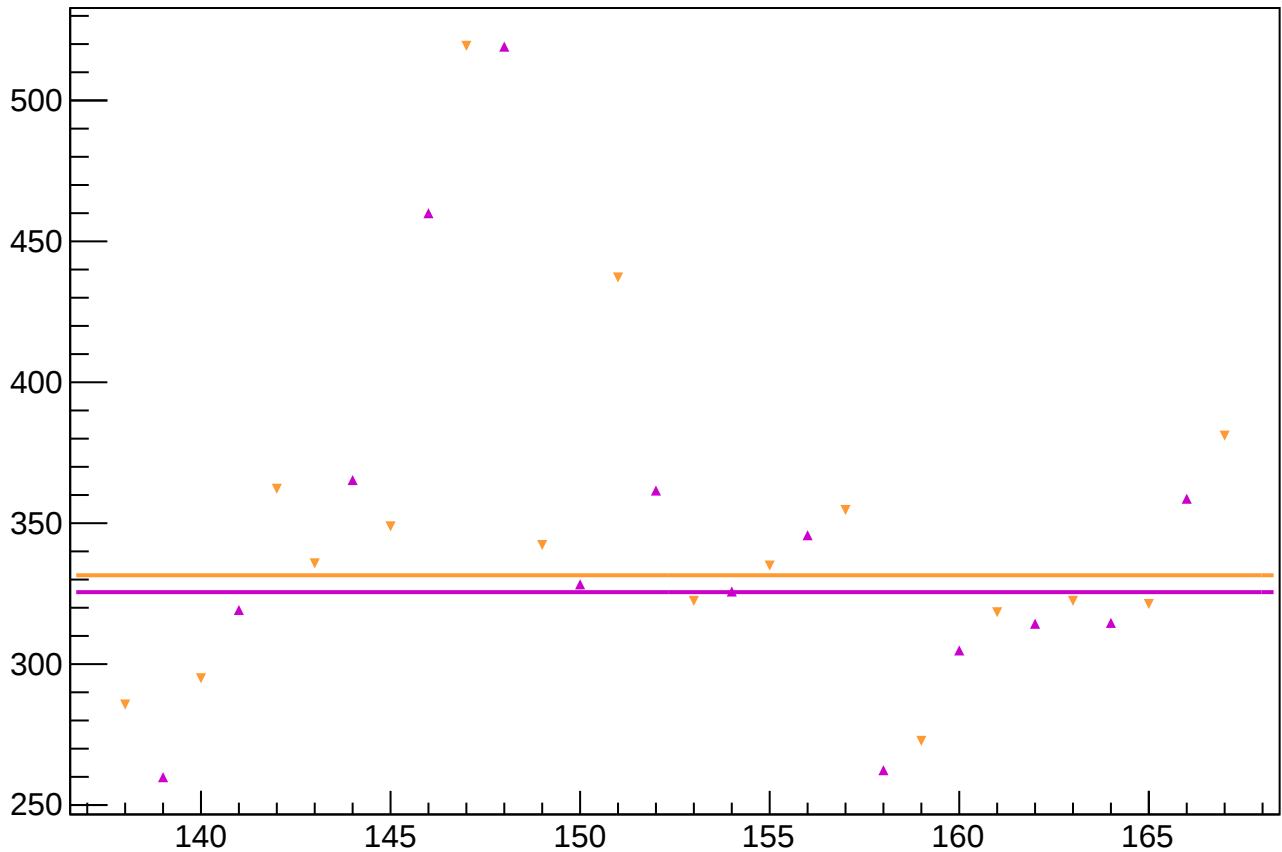
Left In: 127.102 $\pm$ 100.372 χ^2 /NDF:25.4/13

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

All: 52.710 $\pm$ 69.843 χ^2 /NDF: 44.0/29

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

asym_sam1_correction_rms vs Slug



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

Left Out: 331.524+/-0.069 χ^2/NDF : 479483.6/15

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

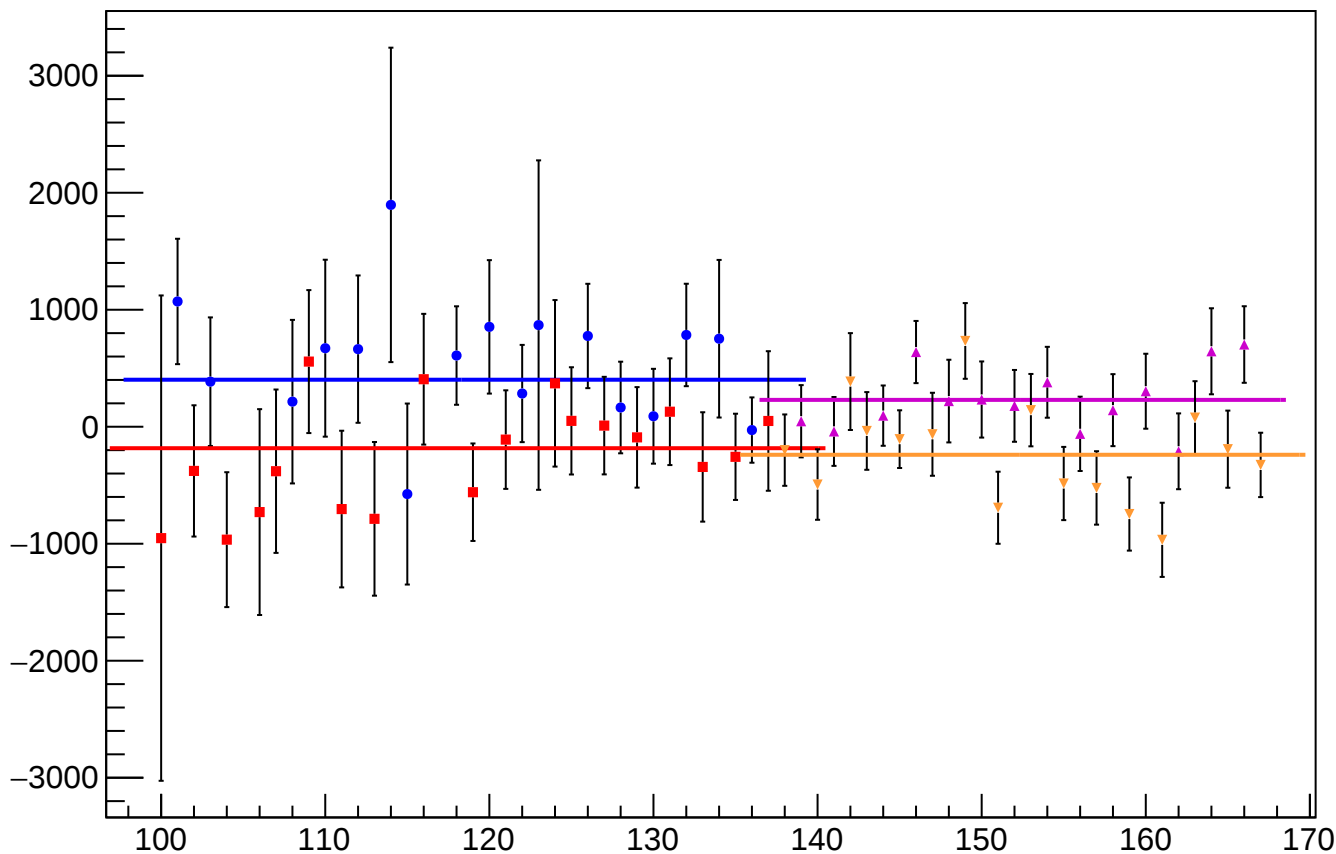
Left In: 325.536+/-0.071 χ^2/NDF : 602432.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 328.625+/-0.049 χ^2/NDF : 1085588.4/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam2_mean vs Slug



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -239.657 $\pm$ 77.886 χ^2 /NDF:27.1/15

Right Out: -183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

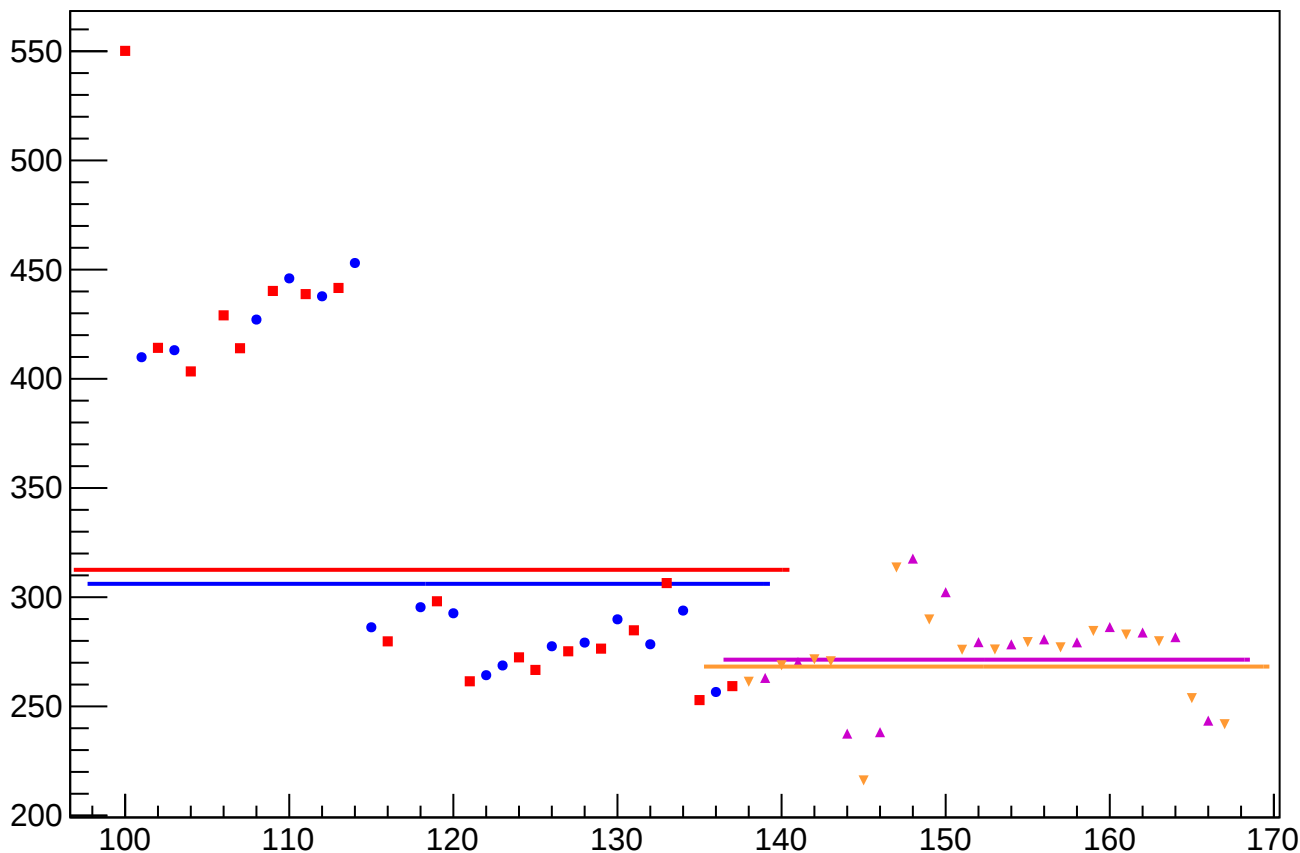
Left In: 229.554 $\pm$ 82.567 χ^2 /NDF:10.3/13

+ sign -51.824 $\pm$ 65.499 χ^2 /NDF: 57.9/32

All: 19.878 $\pm$ 47.202 χ^2 /NDF: 88.0/65

- sign 97.349 $\pm$ 68.082 χ^2 /NDF: 27.6/32

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

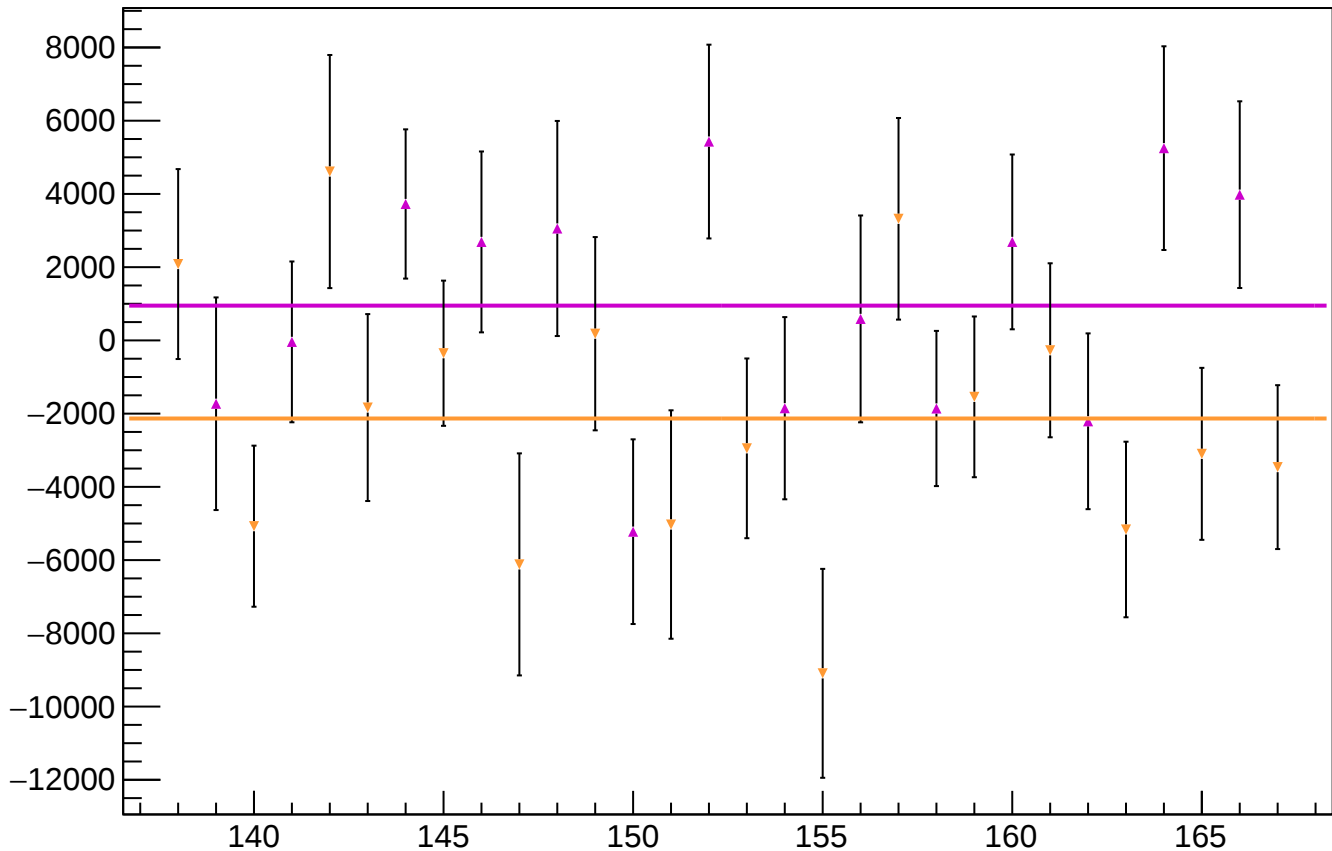
Left In: 271.400+/-0.058 χ^2/NDF : 148509.2/13

+ sign 279.328+/-0.046 χ^2/NDF : 820637.6/32

All: 281.847+/-0.033 χ^2/NDF : 1760024.7/65

- sign 284.569+/-0.048 χ^2/NDF : 933231.5/32

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

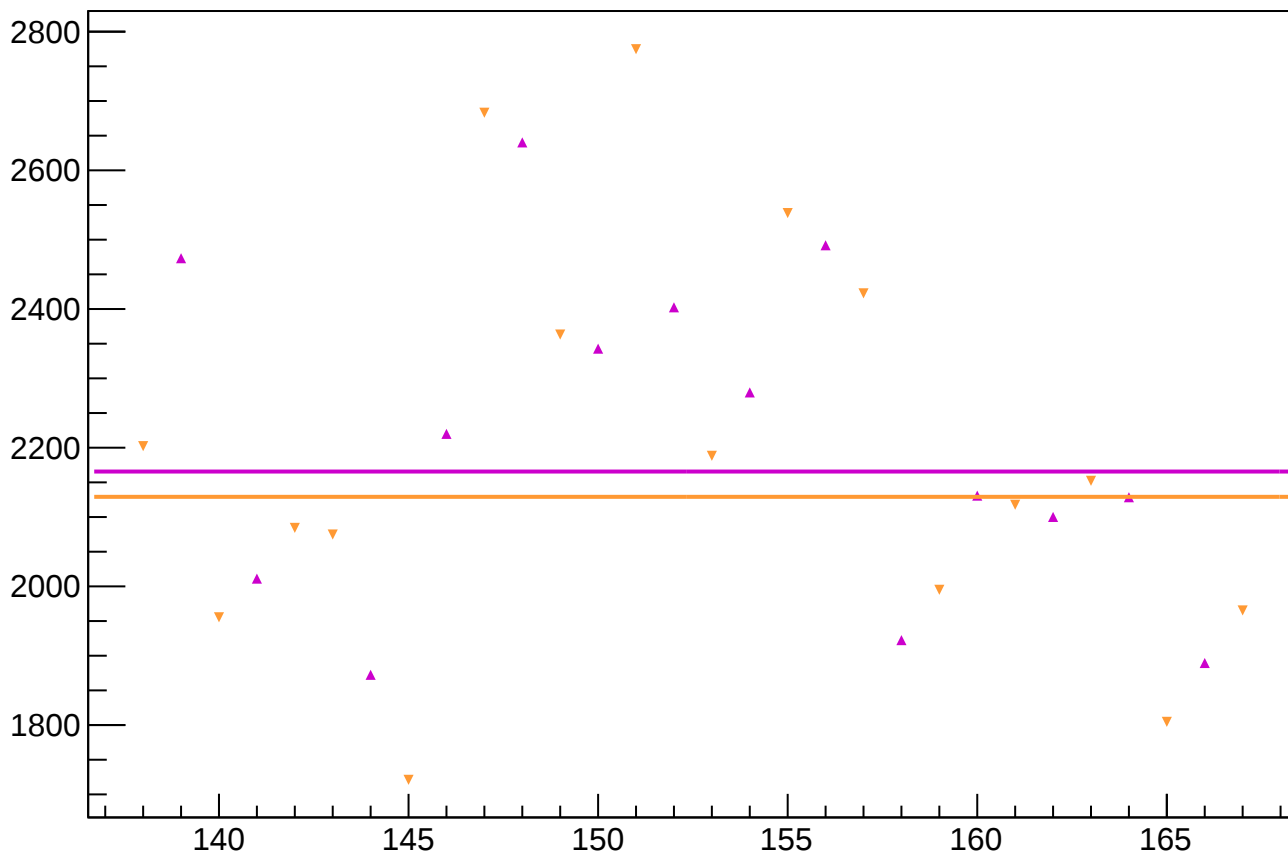
Left In: 949.592+/-661.047 χ^2/NDF : 21.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -683.275+/-453.334 χ^2/NDF : 59.3/29

- 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

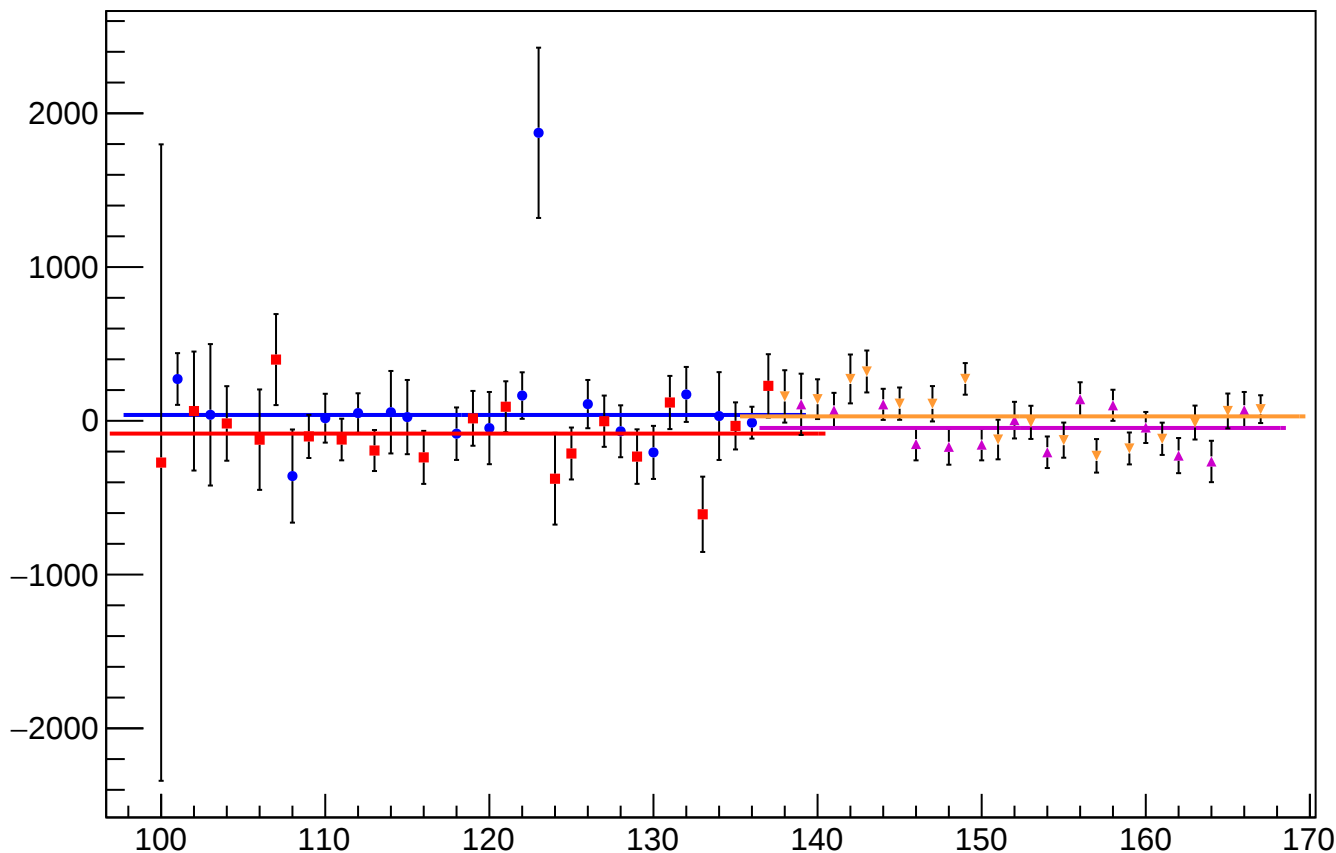
Left In: 2165.617+/-0.467 χ^2/NDF : 235790.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2146.295+/-0.321 χ^2/NDF : 628900.3/29

- 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

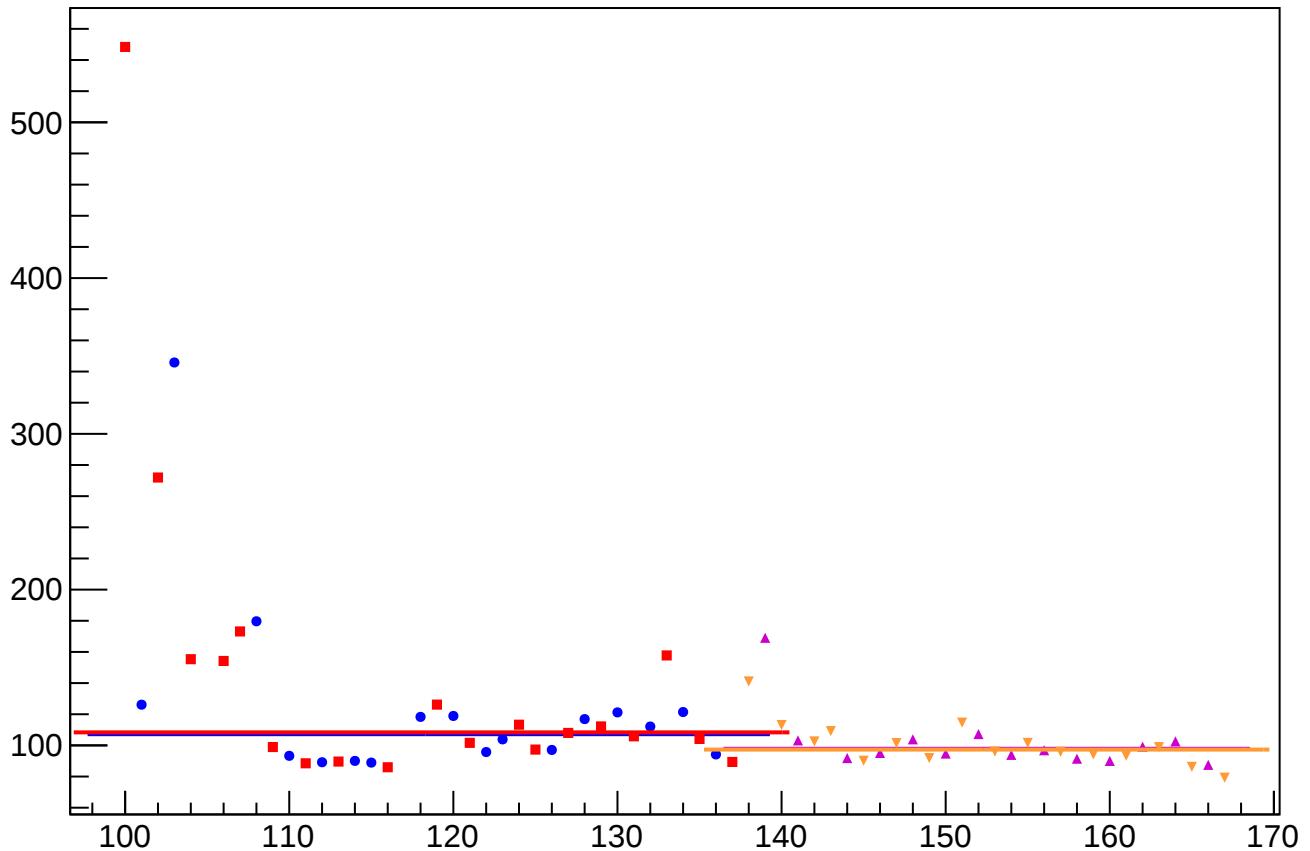
Left In: -46.434+/-30.095 χ^2/NDF : 20.7/13

+ sign 31.704+/-23.915 χ^2/NDF : 49.8/32

All: -11.966+/-17.173 χ^2/NDF : 94.6/65

- sign -58.453+/-24.675 χ^2/NDF : 37.9/32

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

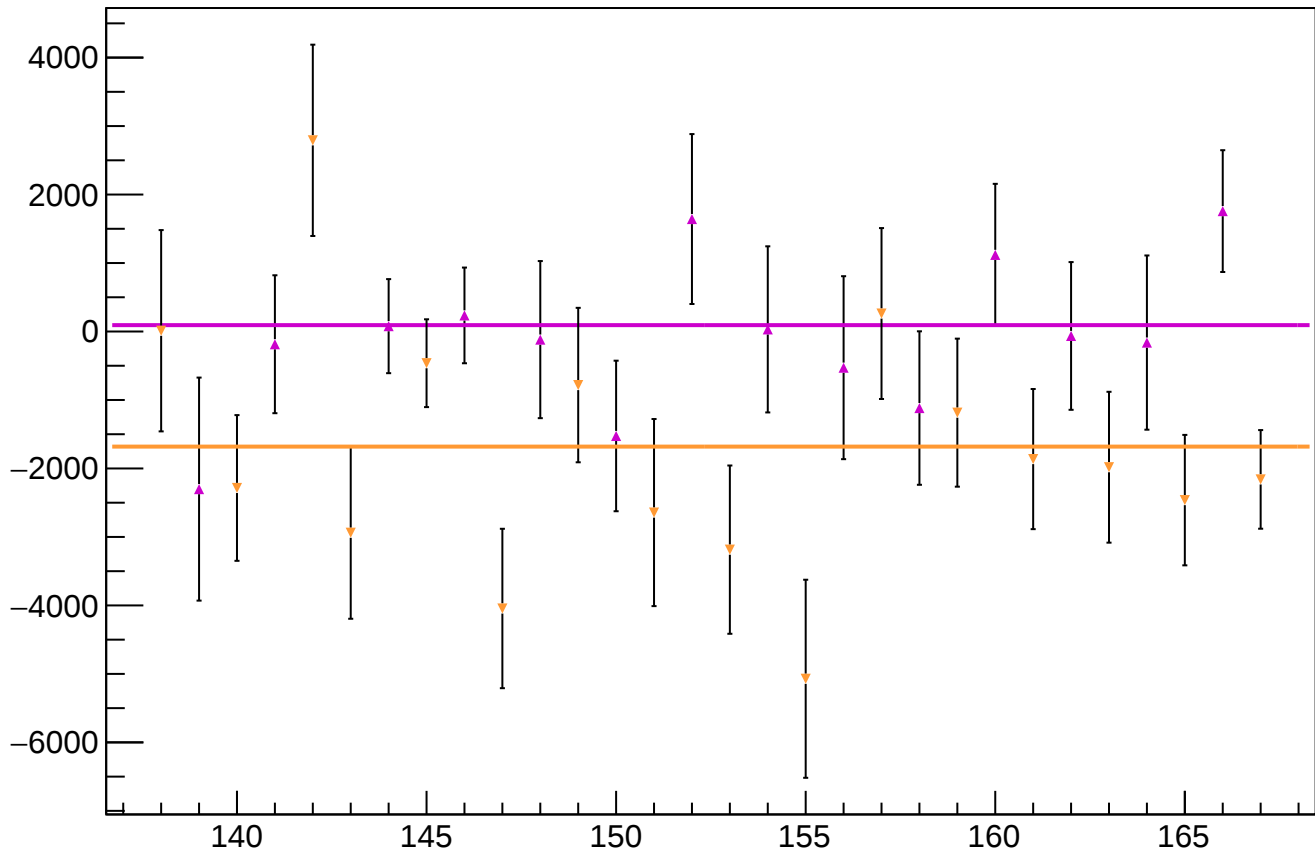
Left In: 97.830 $\pm$ 0.021 χ^2 /NDF: 328864.3/13

+ sign 100.289 $\pm$ 0.017 χ^2 /NDF: 1254920.1/32

All: 100.770 $\pm$ 0.012 χ^2 /NDF: 2582980.2/65

- sign 101.281 $\pm$ 0.017 χ^2 /NDF: 1326393.5/32

asym_sam3_correction_mean vs Slug



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

Left Out: -1680.726 $\pm$ 263.220 χ^2 /NDF:32.6/15

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

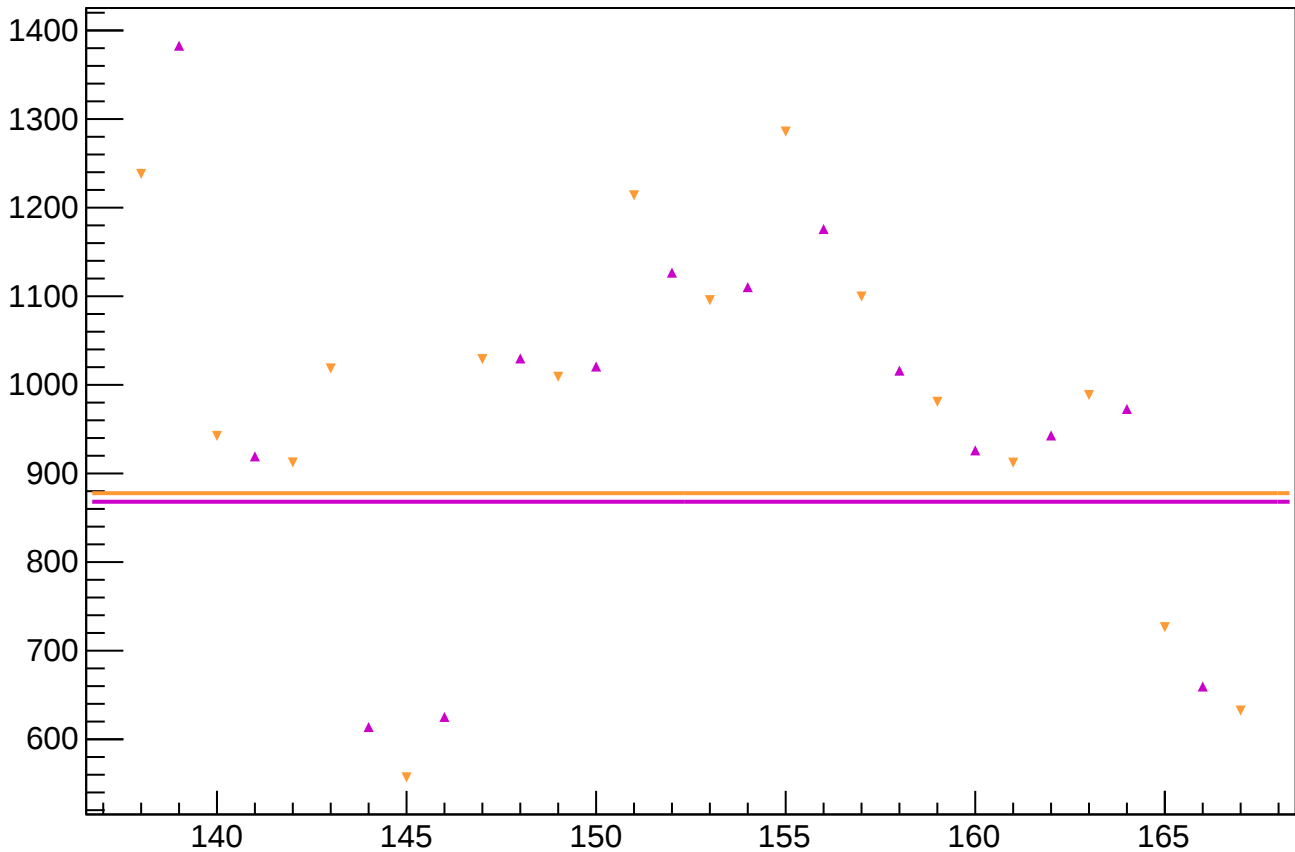
Left In: 92.988 $\pm$ 272.408 χ^2 /NDF:12.0/13

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

All: -824.287 $\pm$ 189.290 χ^2 /NDF: 66.5/29

- sign 0.000 $\pm$ 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

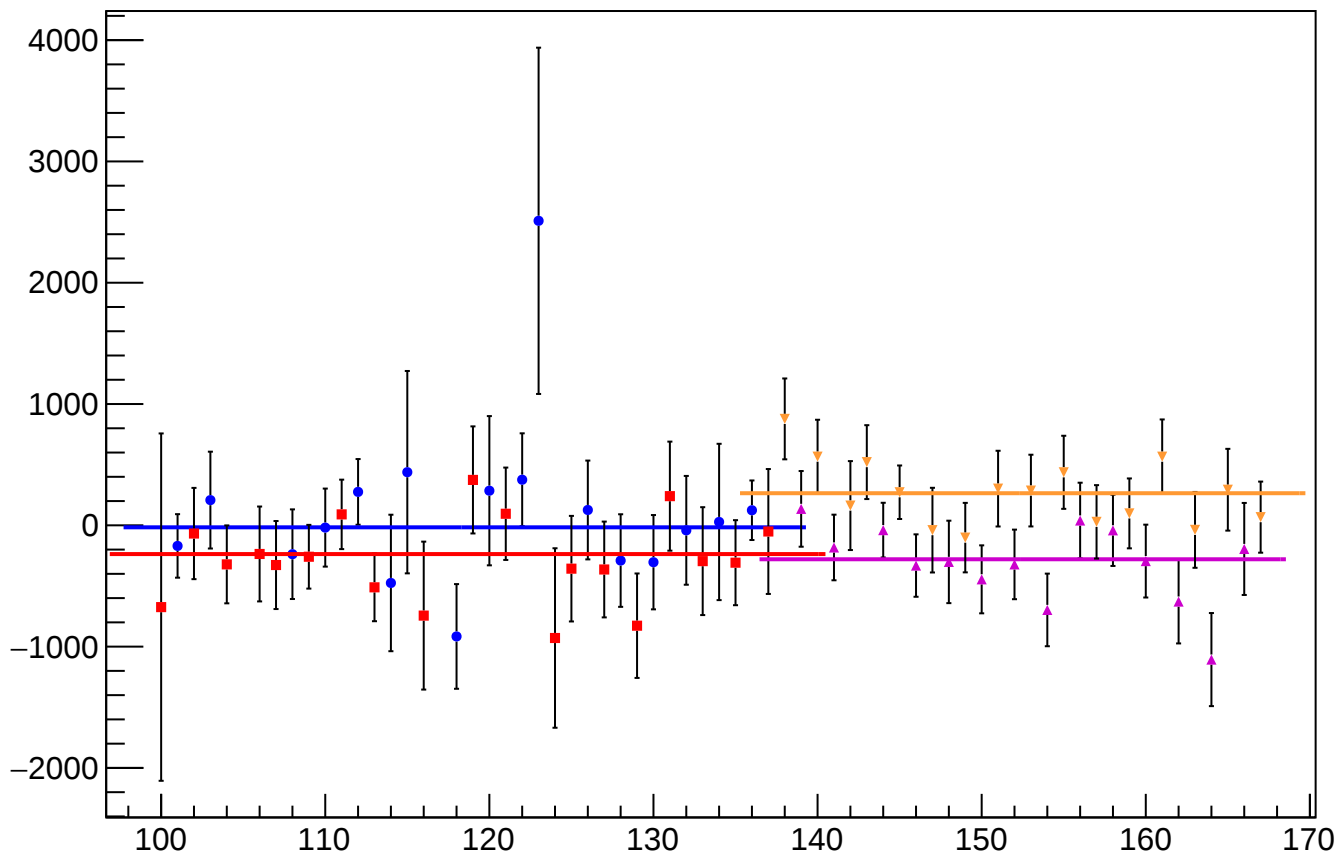
Left In: 868.088+/-0.193 χ^2/NDF :1245983.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 873.097+/-0.134 χ^2/NDF : 2692398.0/29

- 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

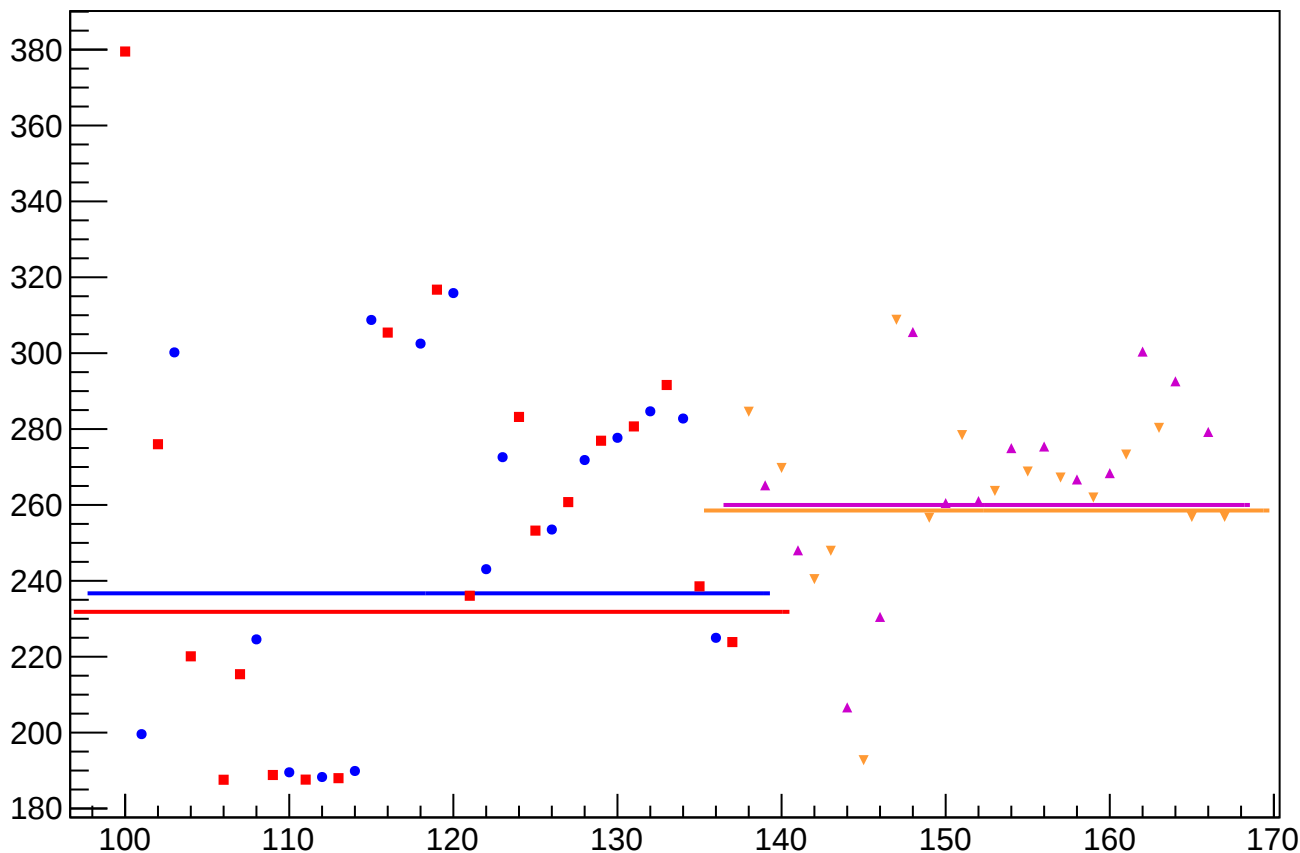
Left In: -279.837 ± 79.418 χ^2/NDF : 12.8/13

+ sign 153.626 ± 58.633 χ^2/NDF : 30.1/32

All: -51.475 ± 41.672 χ^2/NDF : 78.1/65

- sign -260.825 ± 59.238 χ^2/NDF : 23.3/32

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

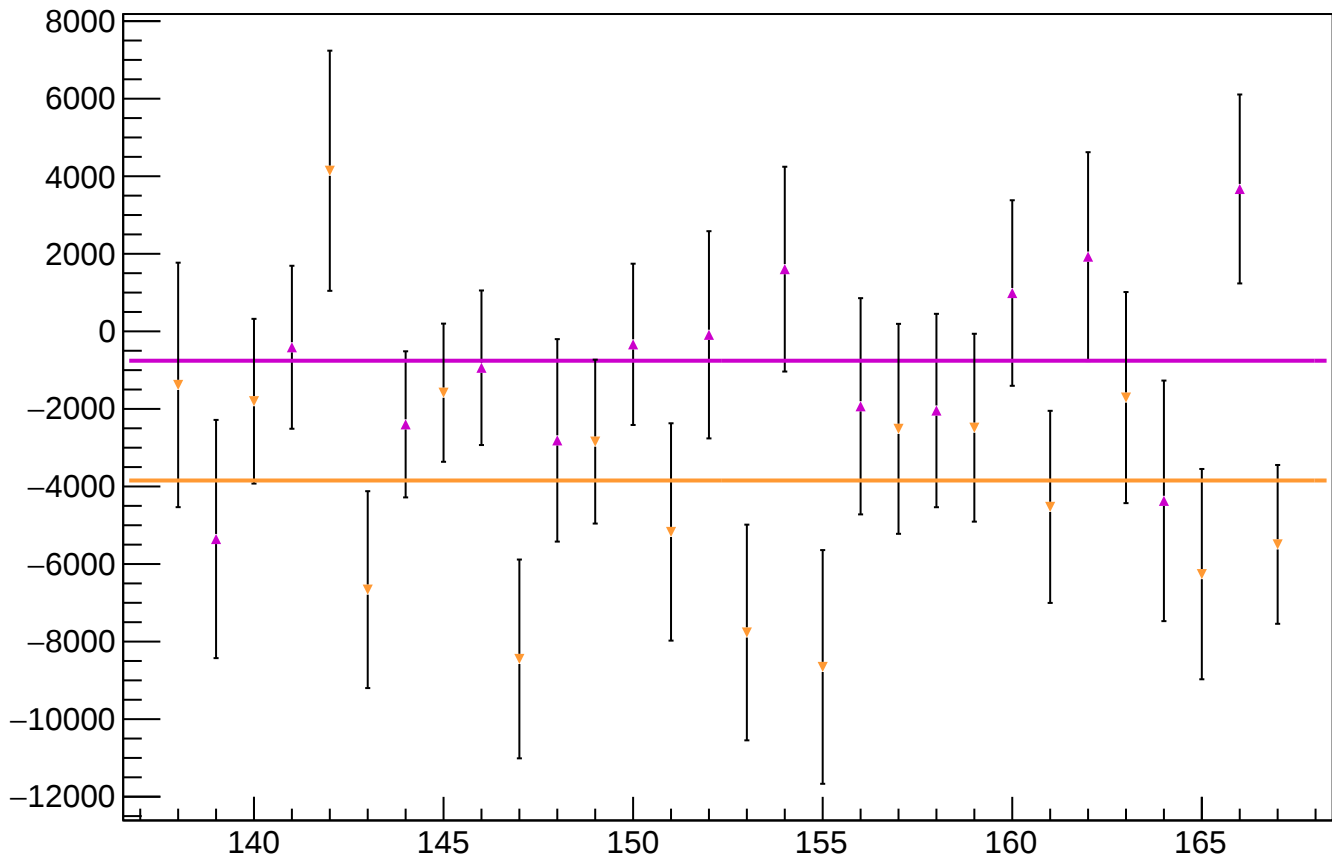
Left In: 259.995 $\pm$ 0.056 χ^2 /NDF: 238249.6/13

+ sign 249.912 $\pm$ 0.041 χ^2 /NDF: 725747.2/32

All: 248.718 $\pm$ 0.029 χ^2 /NDF: 1520553.1/65

- sign 247.499 $\pm$ 0.042 χ^2 /NDF: 793130.0/32

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

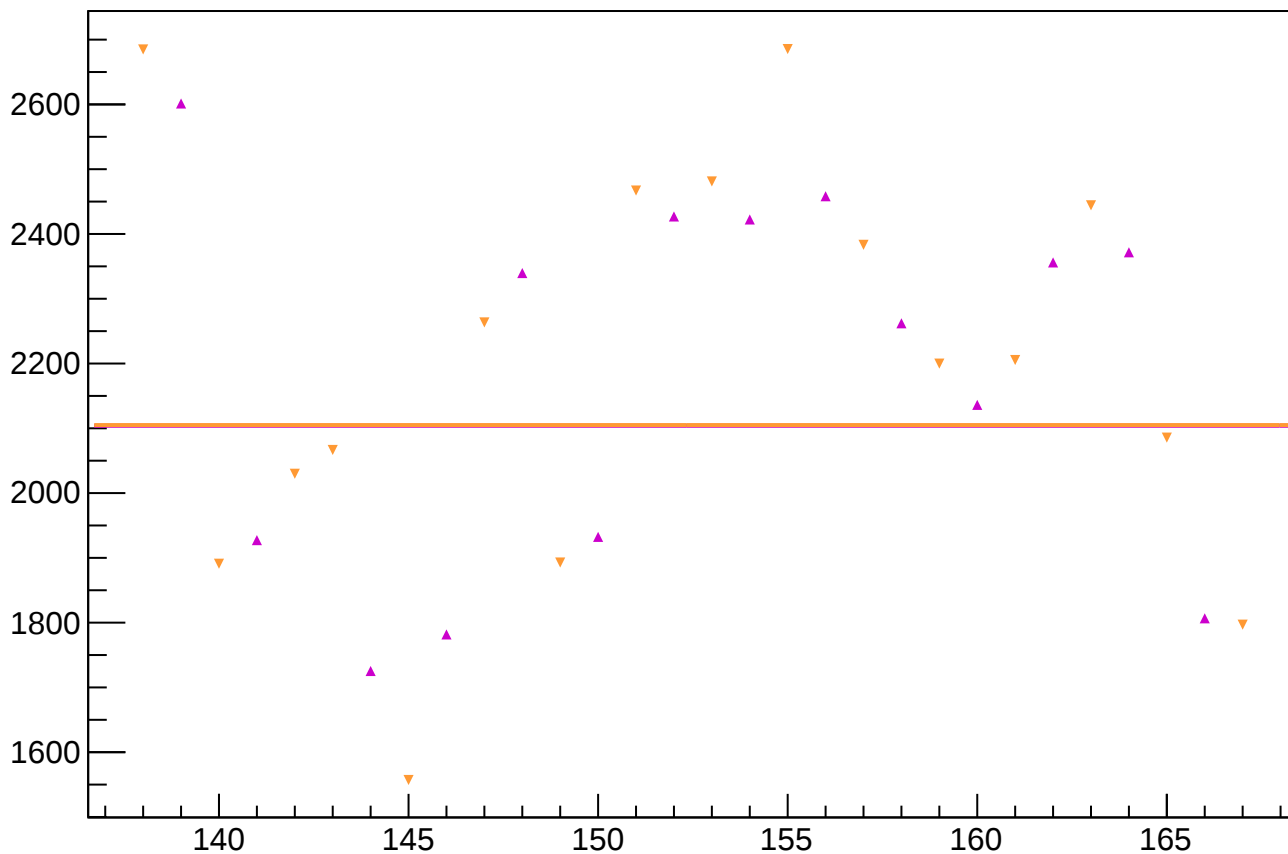
Left In: -757.255+/-645.220 χ^2/NDF : 11.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2368.286+/-446.271 χ^2/NDF : 45.1/29

- 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

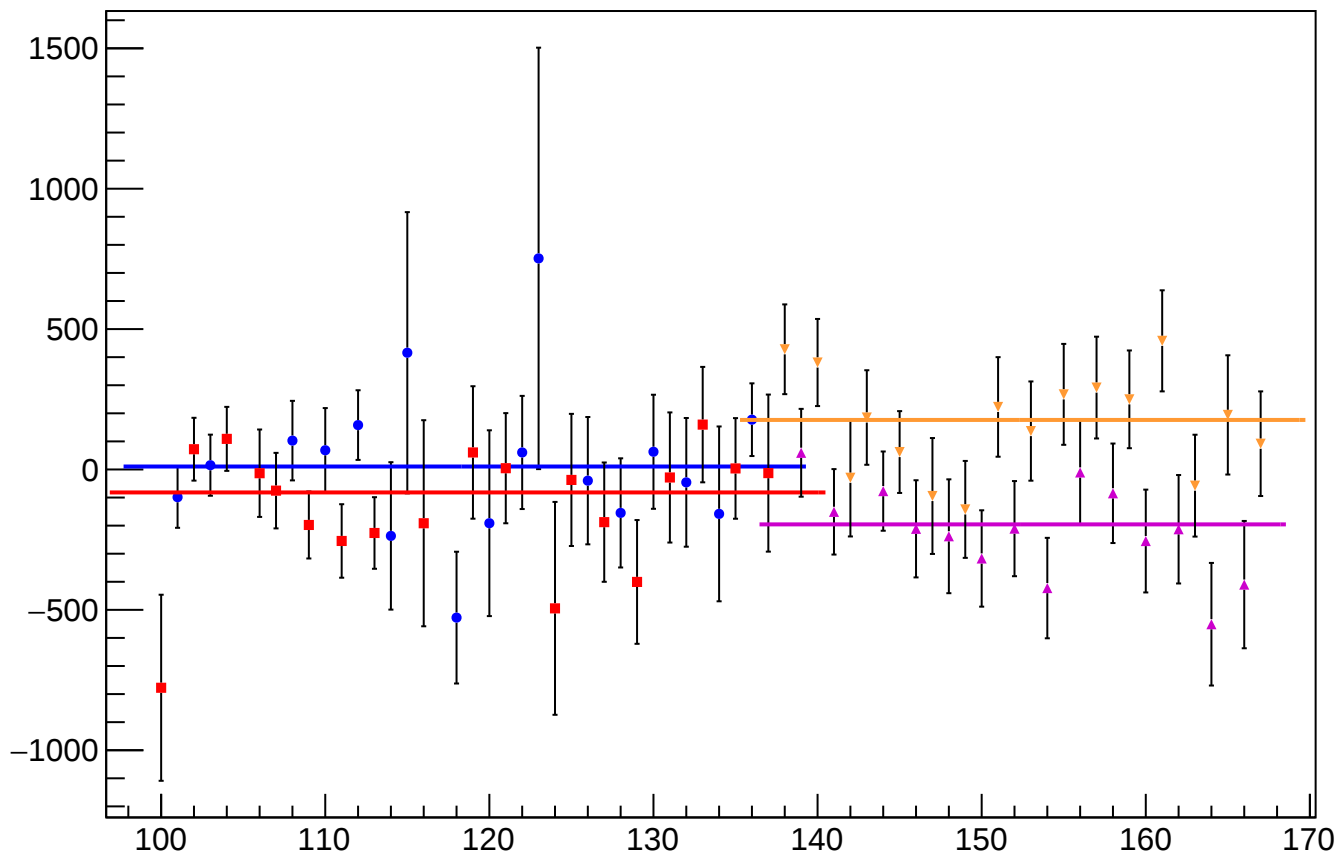
Left In: 2103.925+/-0.456 χ^2/NDF : 390799.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2104.471+/-0.316 χ^2/NDF : 945494.0/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_mean vs Slug



Right In: 10.530 $\pm$ 42.294 χ^2 /NDF: 14.1/16

Left Out: 176.417 $\pm$ 44.134 χ^2 /NDF:16.2/15

Right Out: -81.802 $\pm$ 38.985 χ^2 /NDF: 19.2/18

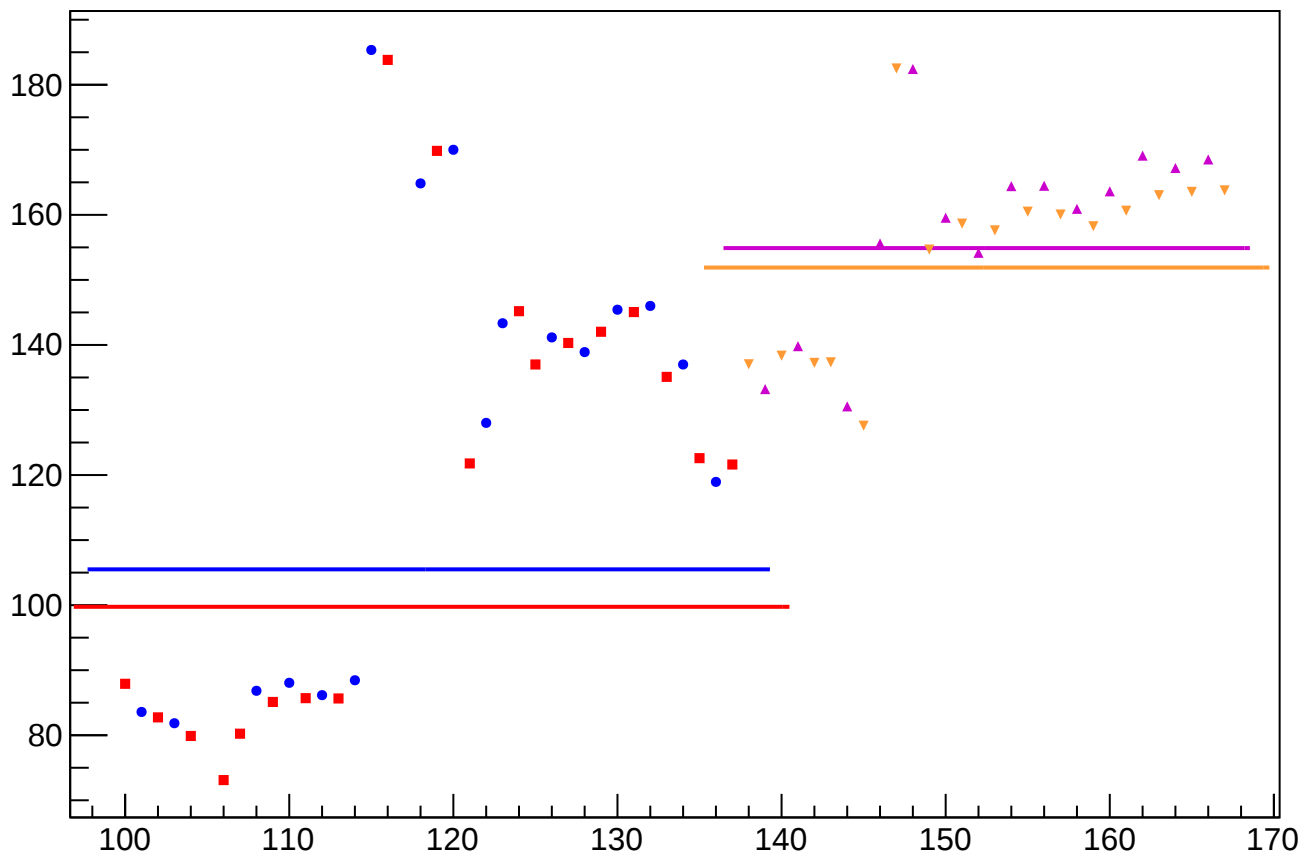
Left In: -195.573 $\pm$ 47.151 χ^2 /NDF:10.7/13

+ sign 89.944 $\pm$ 30.536 χ^2 /NDF: 37.6/32

All: -20.793 $\pm$ 21.417 χ^2 /NDF: 96.8/65

- sign -127.997 $\pm$ 30.045 χ^2 /NDF: 33.3/32

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

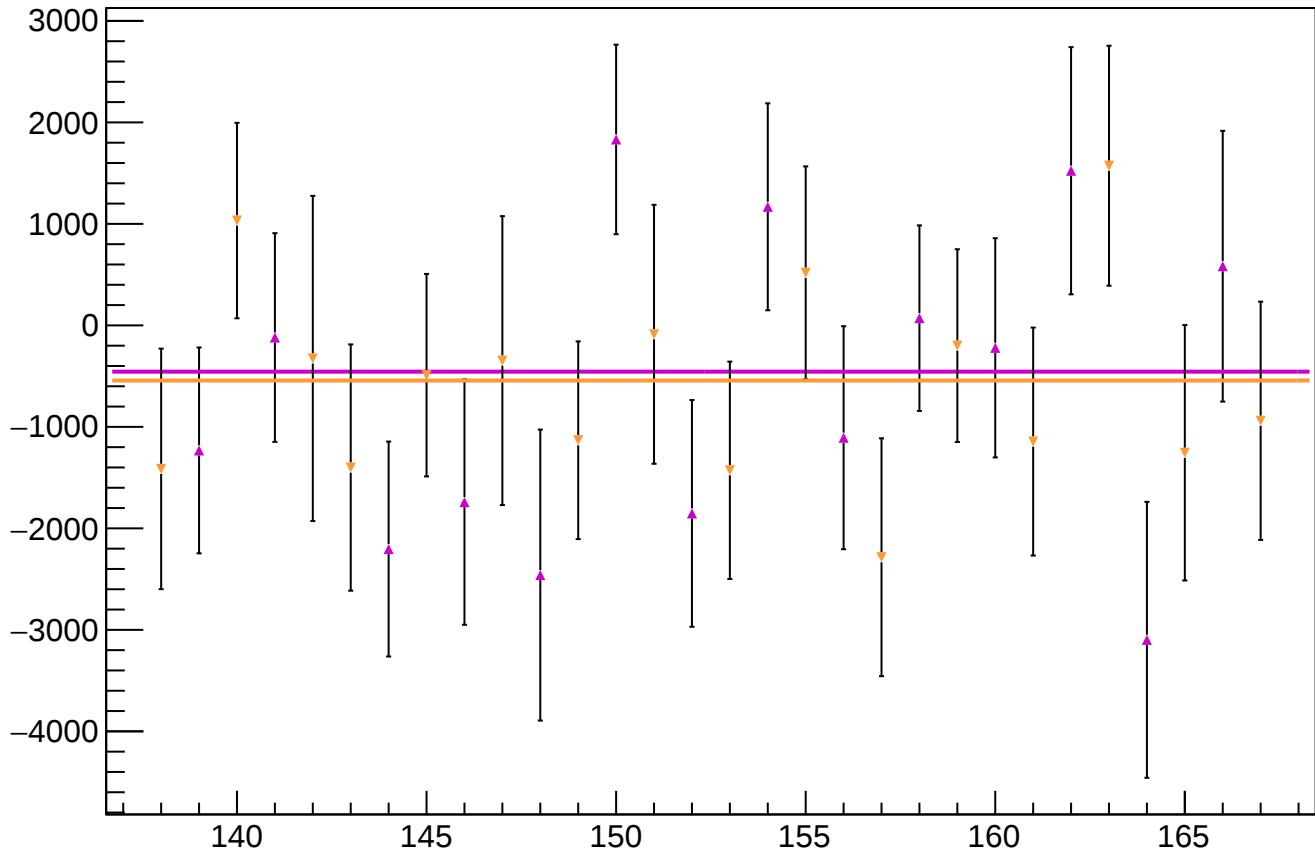
Left In: 154.892 $\pm$ 0.033 χ^2 /NDF:198179.2/13

+ sign 127.715 $\pm$ 0.022 χ^2 /NDF: 2221495.7/32

All: 124.880 $\pm$ 0.015 χ^2 /NDF: 5078737.7/65

- sign 122.136 $\pm$ 0.021 χ^2 /NDF: 2823326.1/32

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

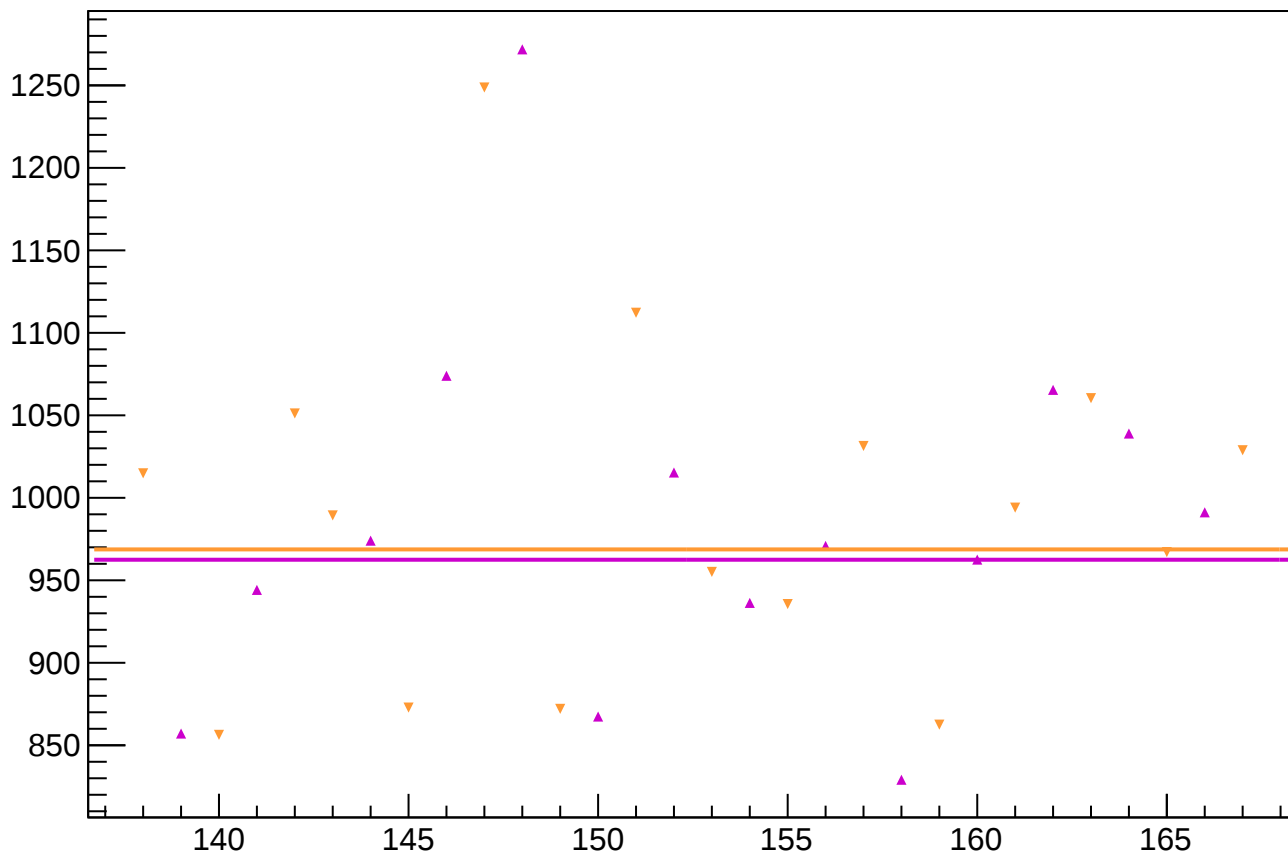
Left In: -455.920+/-294.233 χ^2/NDF : 24.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -501.423+/-203.866 χ^2/NDF : 36.6/29

- 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

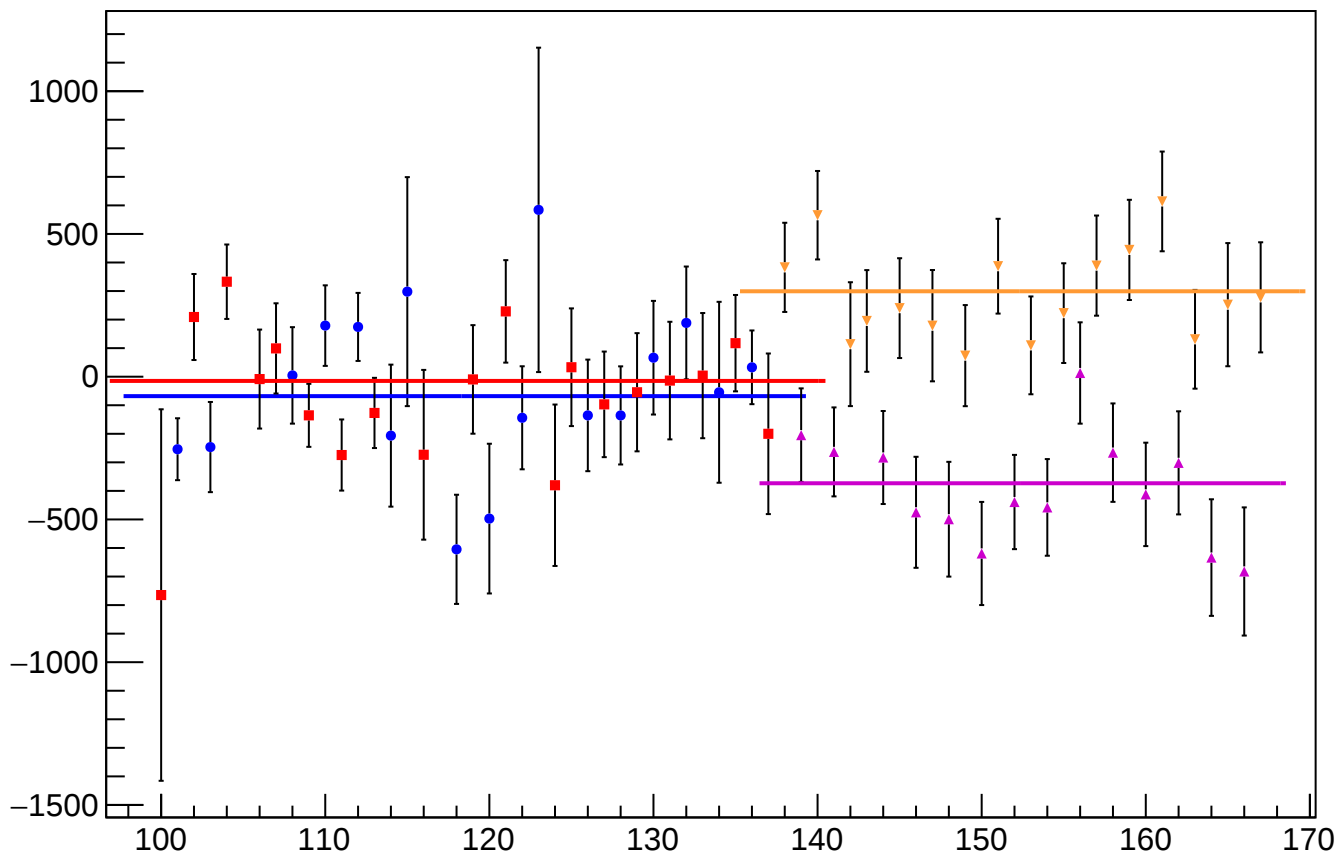
Left In: 962.470+/-0.208 χ^2/NDF :223364.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 965.724+/-0.144 χ^2/NDF : 452172.4/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 299.178 ± 44.322 χ^2/NDF : 13.3/15

Right Out: -14.800 ± 39.467 χ^2/NDF : 23.1/18

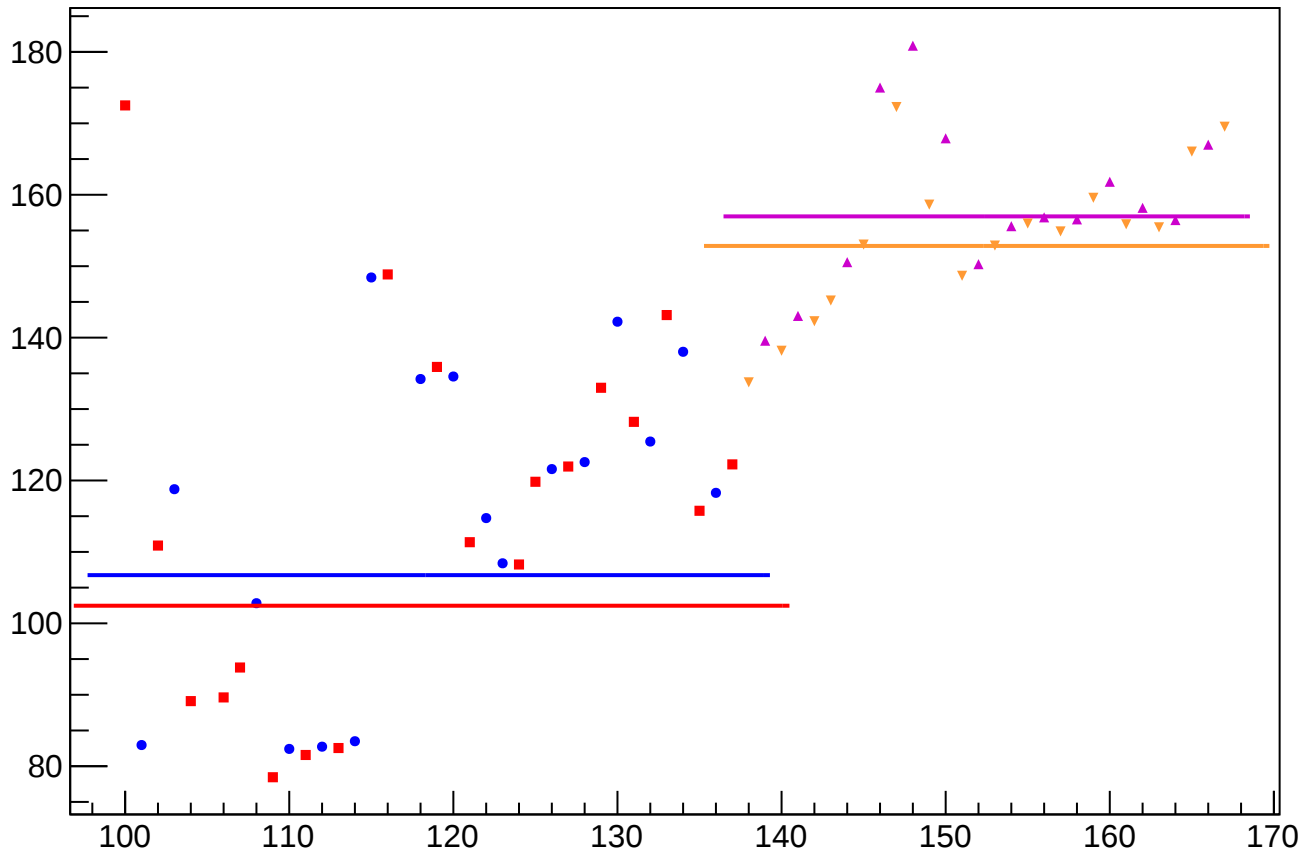
Left In: -373.264 ± 47.675 χ^2/NDF : 13.6/13

+ sign 106.813 ± 30.587 χ^2/NDF : 77.1/32

All: -27.690 ± 21.562 χ^2/NDF : 185.9/65

- sign -160.562 ± 30.401 χ^2/NDF : 70.3/32

reg_asym_sam6_rms vs Slug



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 152.837+/-0.031 χ^2/NDF :106949.7/15

Right Out: 102.467+/-0.028 χ^2/NDF : 589344.0/18

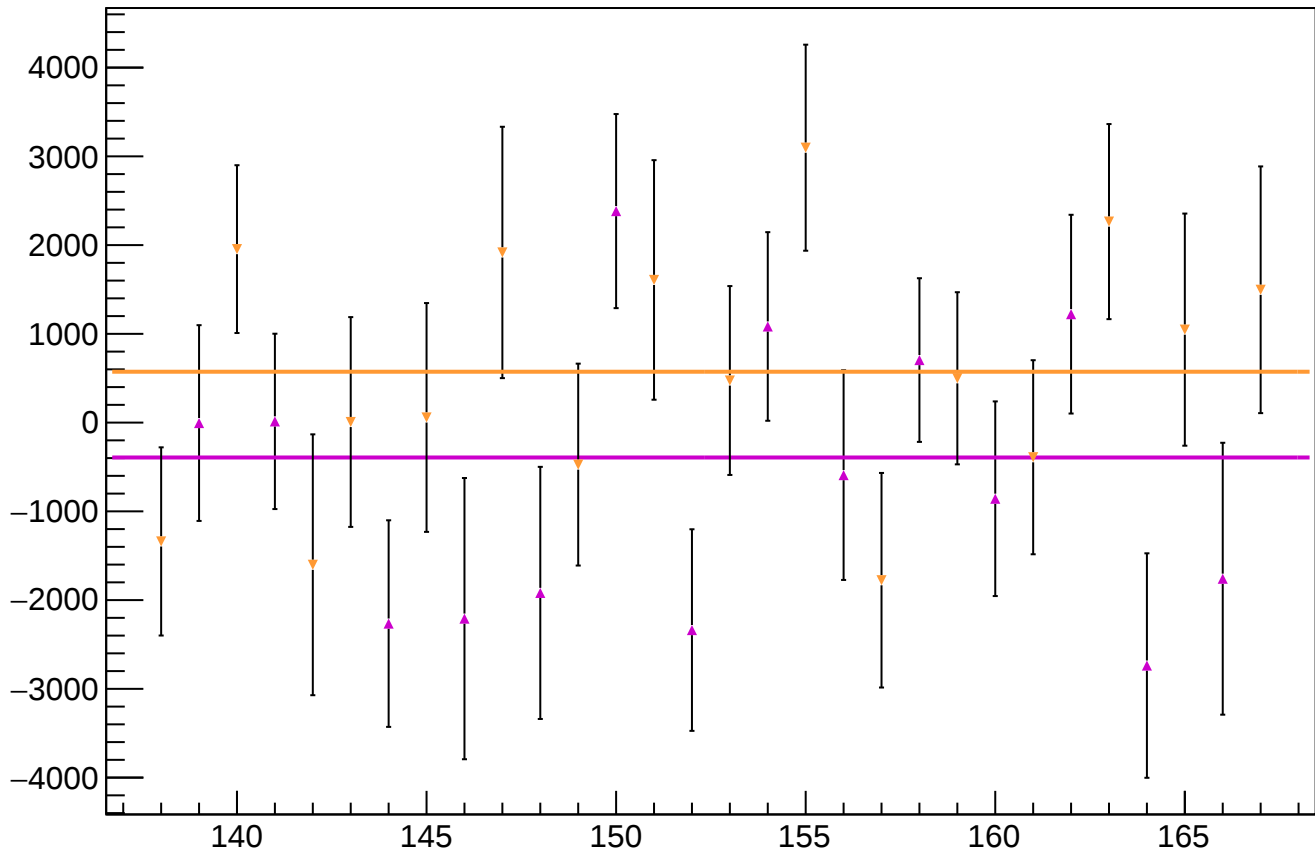
Left In: 156.973+/-0.034 χ^2/NDF :103434.8/13

+ sign 128.699+/-0.022 χ^2/NDF : 1741288.9/32

All: 126.653+/-0.015 χ^2/NDF : 4003040.1/65

- sign 124.631+/-0.021 χ^2/NDF : 2243952.6/32

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

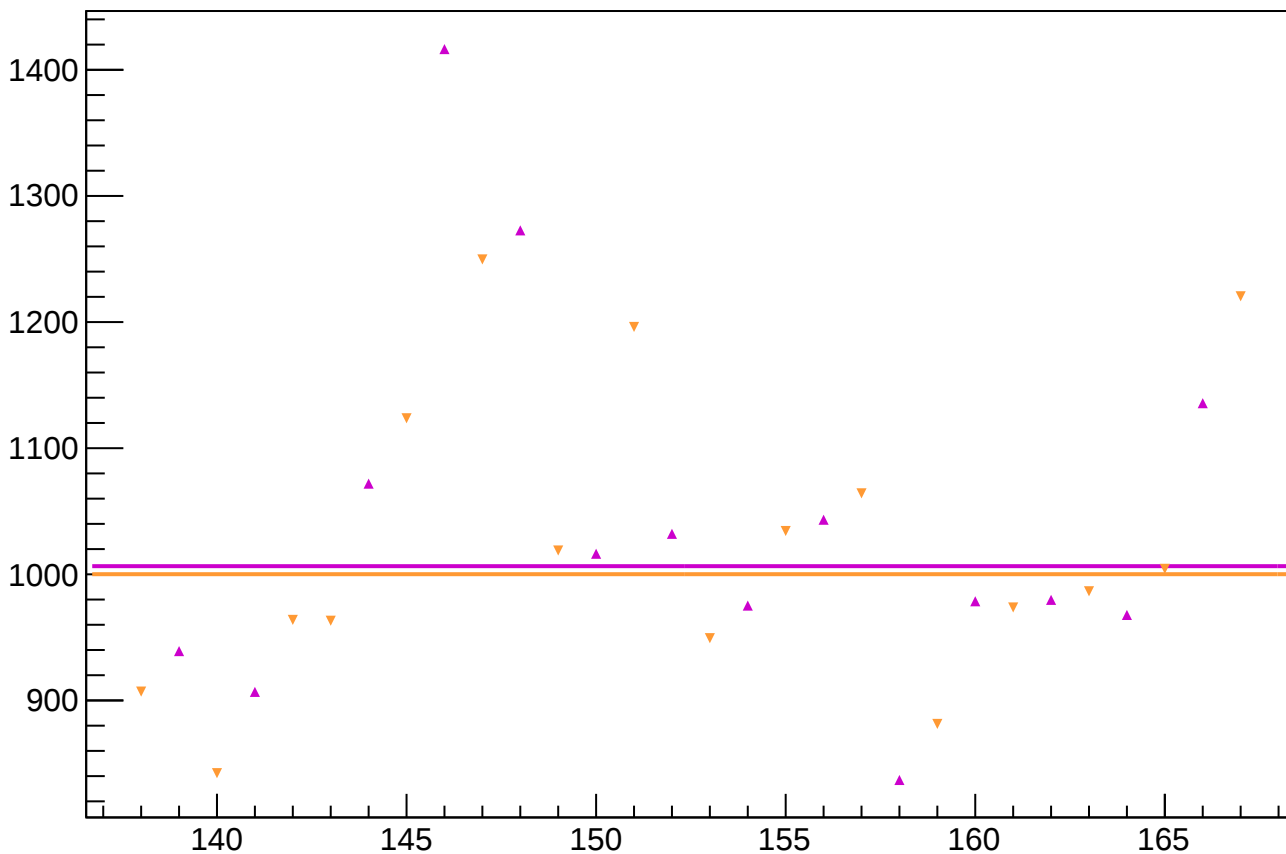
Left In: -393.148+/-307.879 χ^2/NDF : 24.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 116.027+/-211.770 χ^2/NDF : 52.3/29

- 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

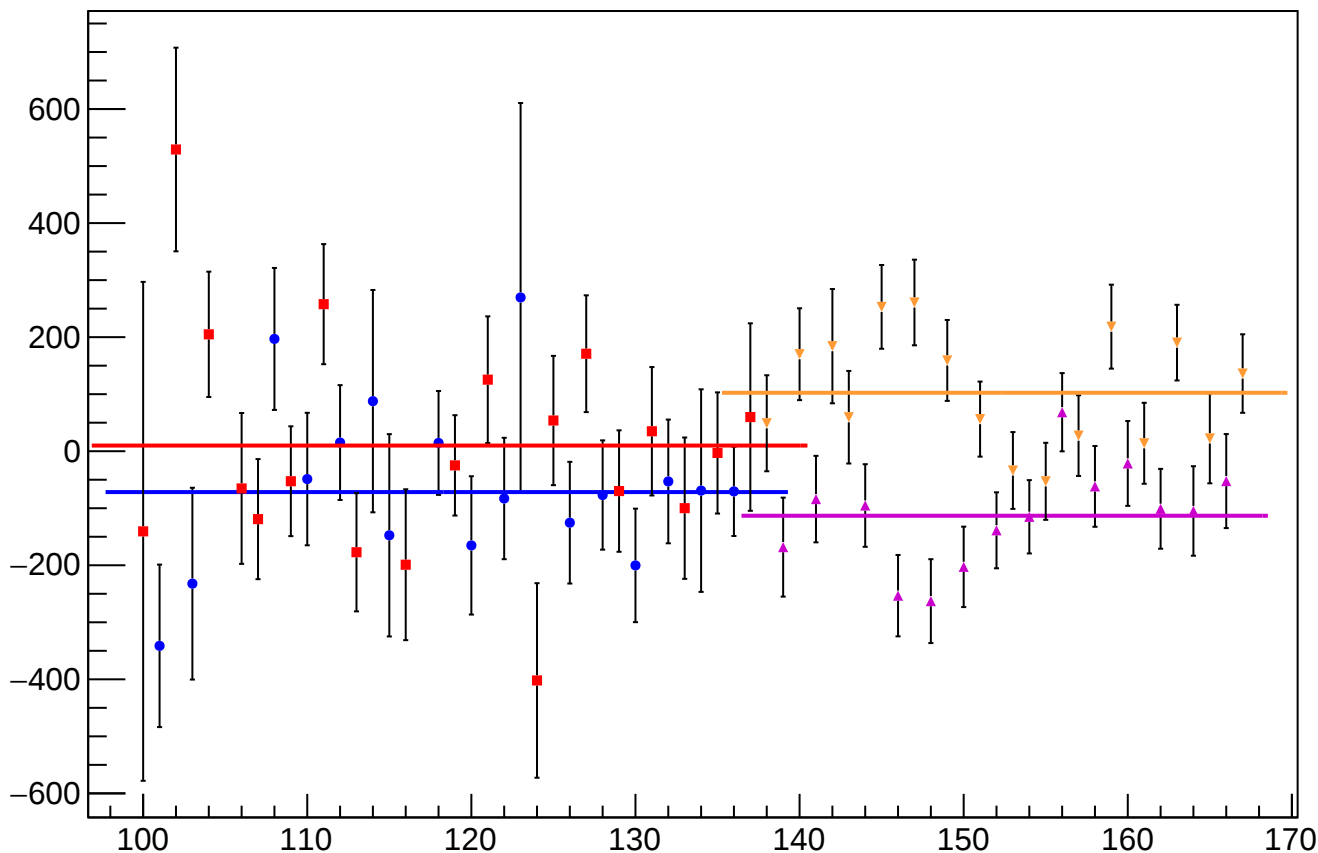
Left In: 1006.465+/-0.218 χ^2/NDF :329314.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1003.110+/-0.150 χ^2/NDF : 620913.0/29

- 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

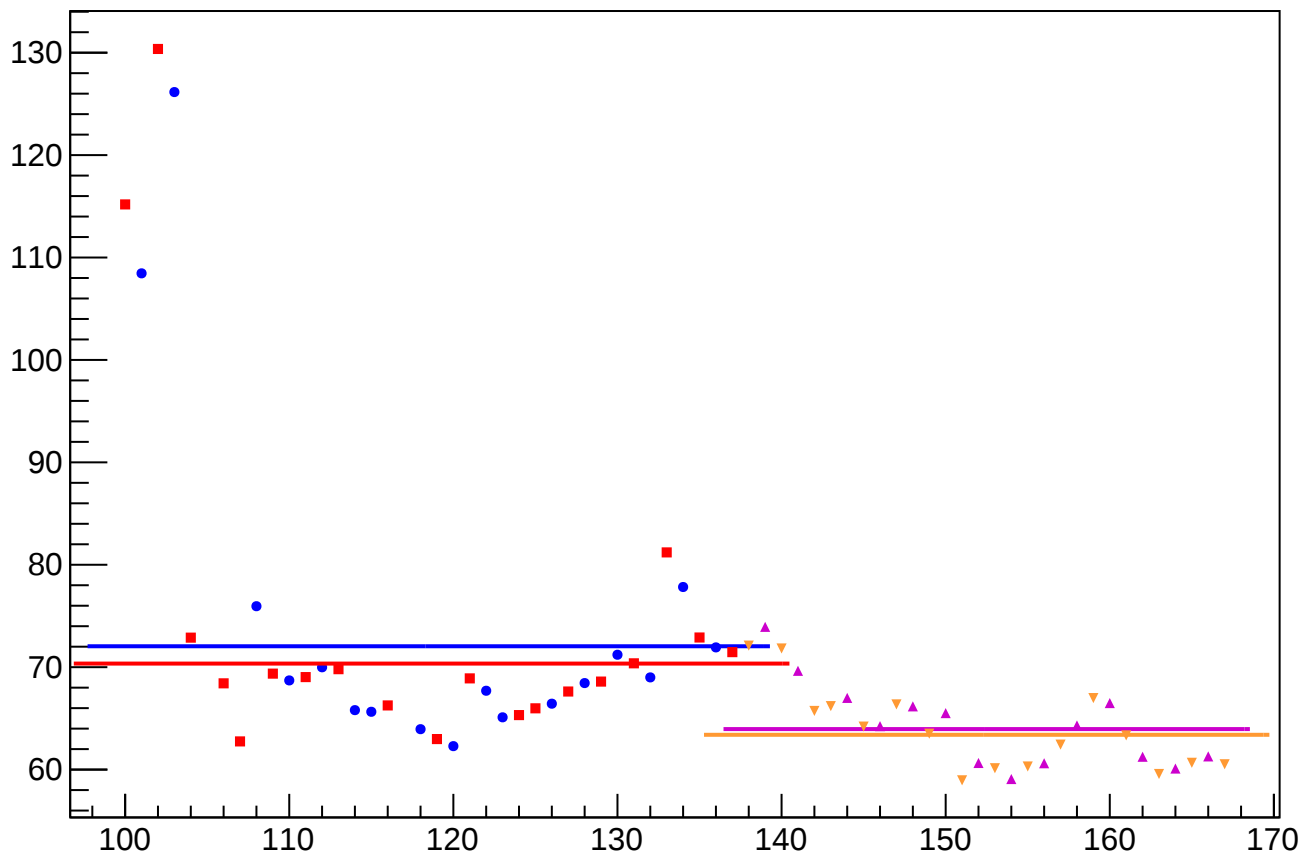
Left In: -113.163 ± 19.414 χ^2/NDF : 20.0/13

+ sign 50.982 ± 15.421 χ^2/NDF : 71.2/32

All: -8.740 ± 11.010 χ^2/NDF : 172.1/65

- sign -70.838 ± 15.725 χ^2/NDF : 70.3/32

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

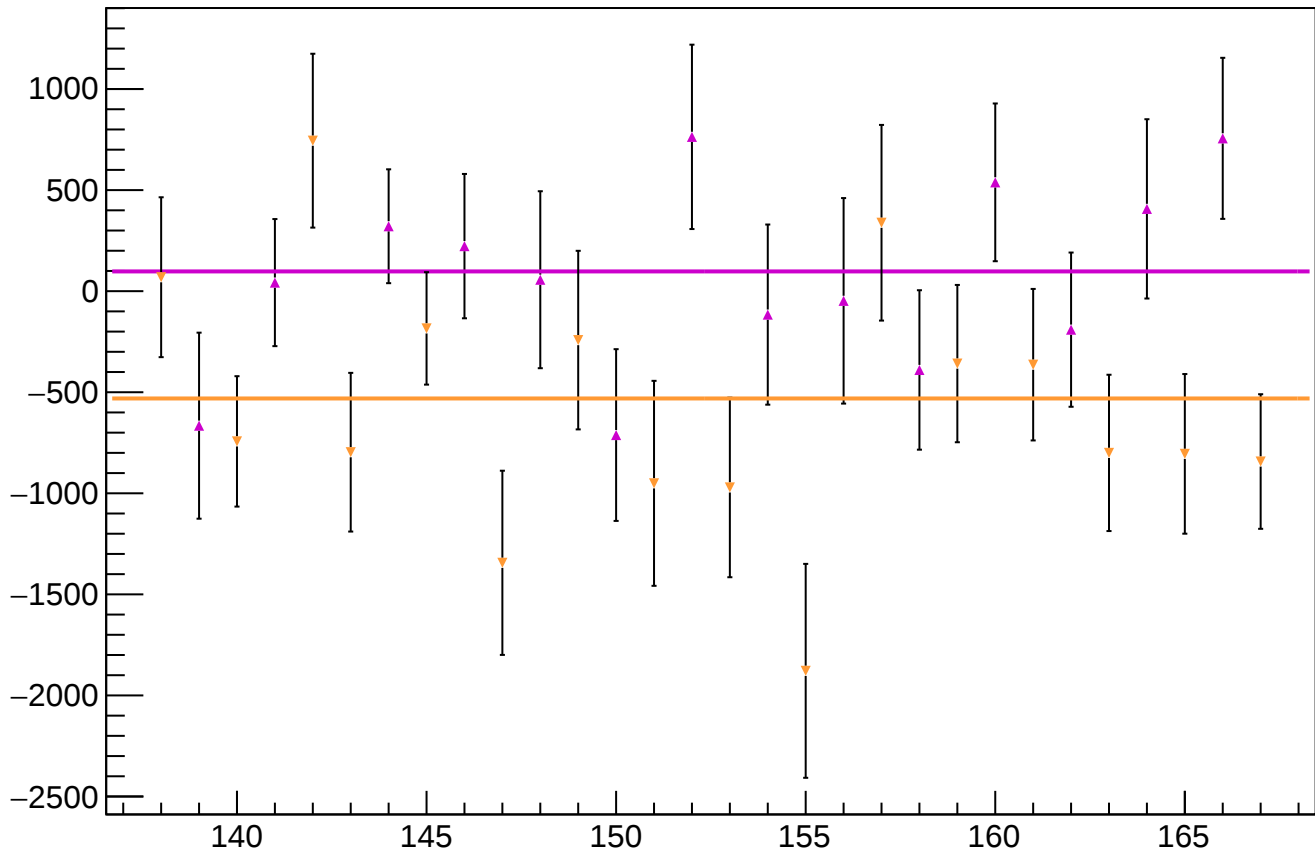
Left In: 63.956 $\pm$ 0.014 χ^2 /NDF: 77547.2/13

+ sign 65.954 $\pm$ 0.011 χ^2 /NDF: 608733.2/32

All: 66.052 $\pm$ 0.008 χ^2 /NDF: 1060087.6/65

- sign 66.155 $\pm$ 0.011 χ^2 /NDF: 451187.3/32

asym_sam7_correction_mean vs Slug



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

Left Out: -530.861 $\pm$ 98.340 χ^2 /NDF:30.8/15

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

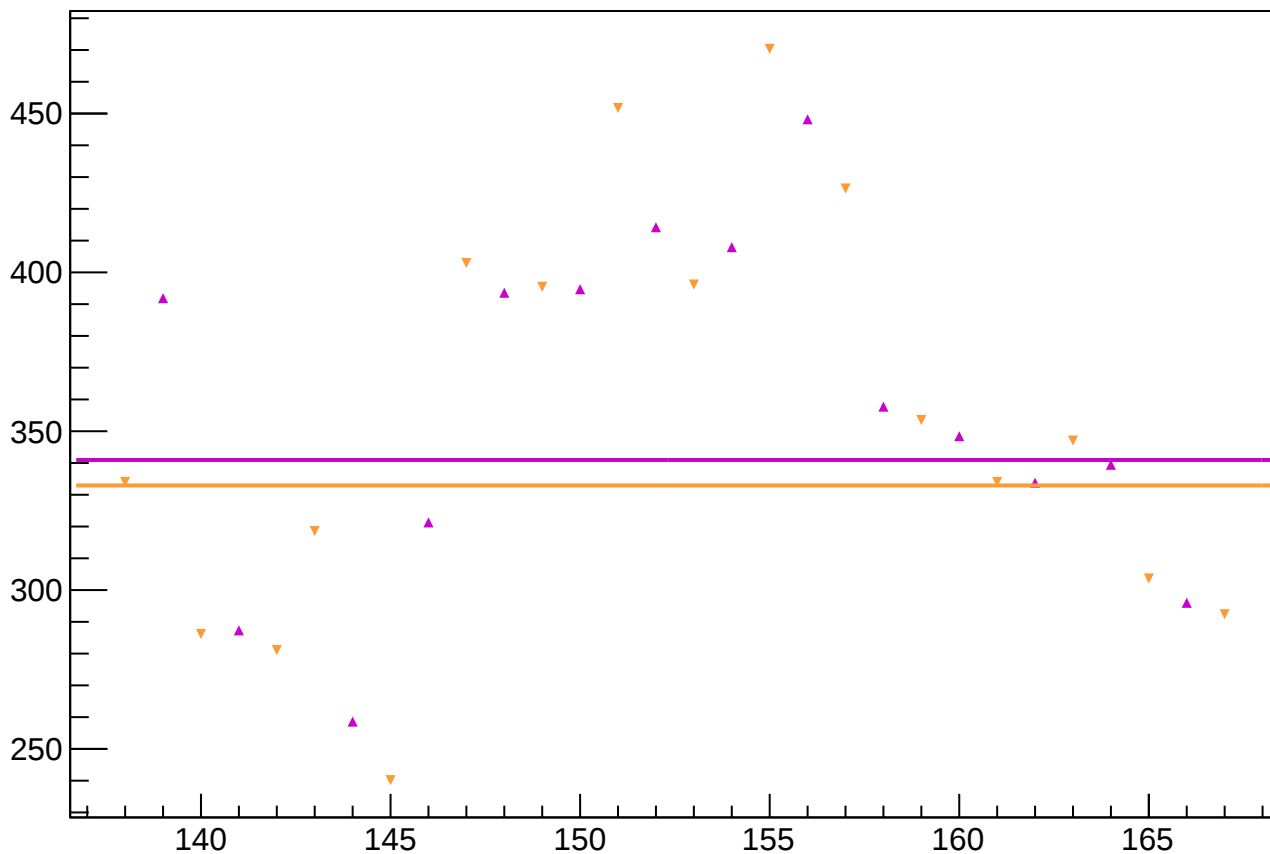
Left In: 97.695 $\pm$ 104.825 χ^2 /NDF:16.2/13

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

All: -236.627 $\pm$ 71.720 χ^2 /NDF: 66.1/29

- sign 0.000 $\pm$ 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

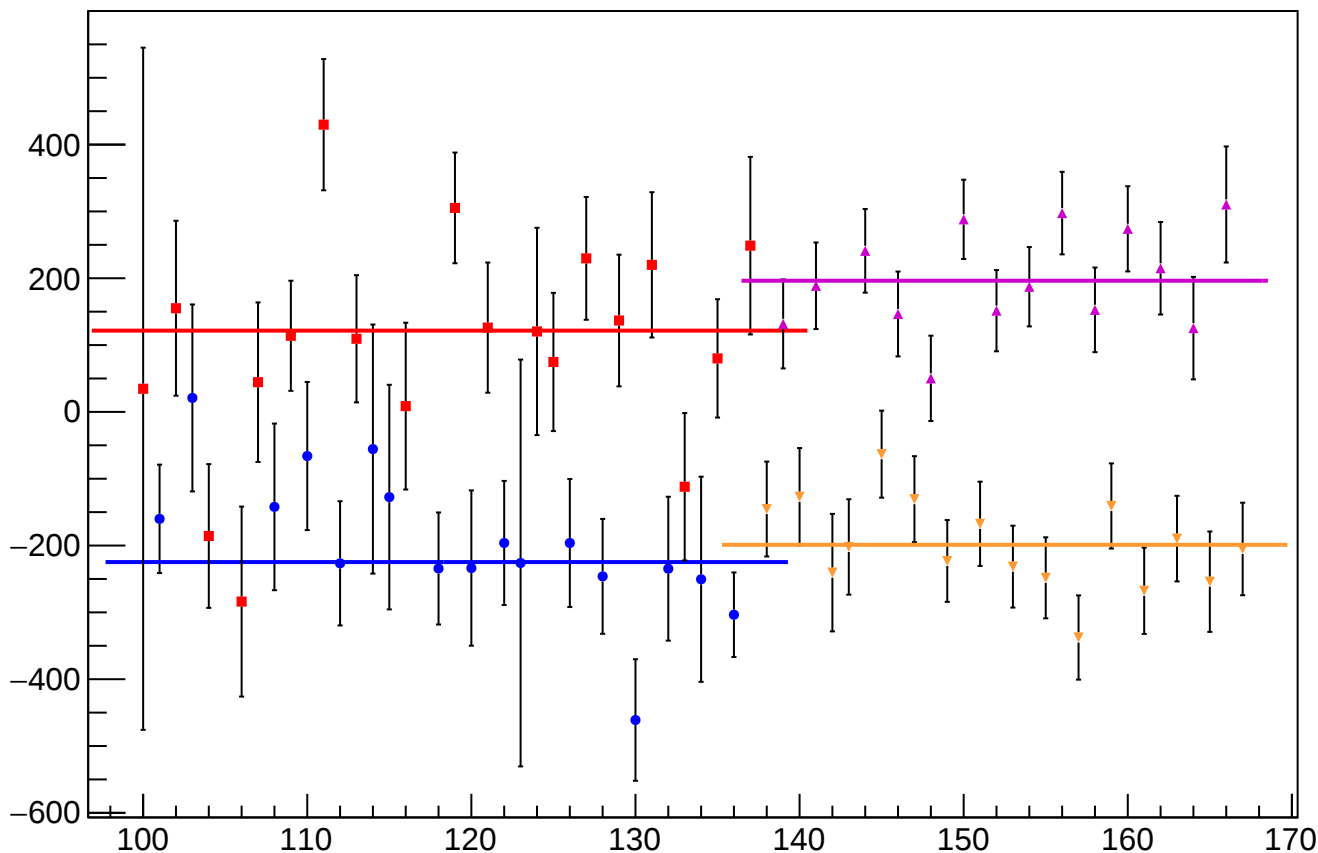
Left In: 340.956+/-0.074 χ^2/NDF : 537003.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 336.686+/-0.051 χ^2/NDF : 1335584.1/29

- 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

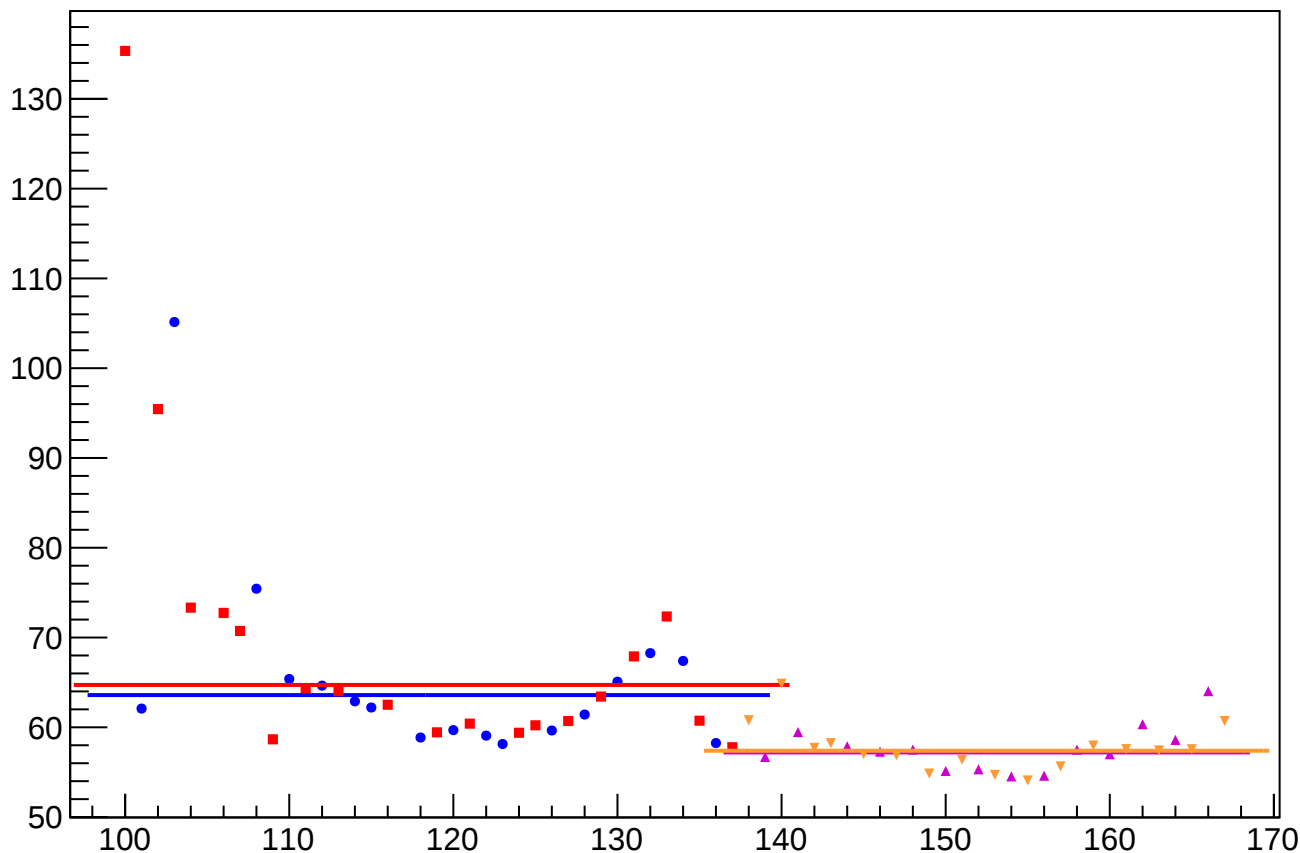
Left In: 196.306 ± 17.356 χ^2/NDF : 17.6/13

+ sign -206.860 ± 13.828 χ^2/NDF : 32.7/32

All: -22.462 ± 9.900 χ^2/NDF : 461.8/65

- sign 171.488 ± 14.181 χ^2/NDF : 64.2/32

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

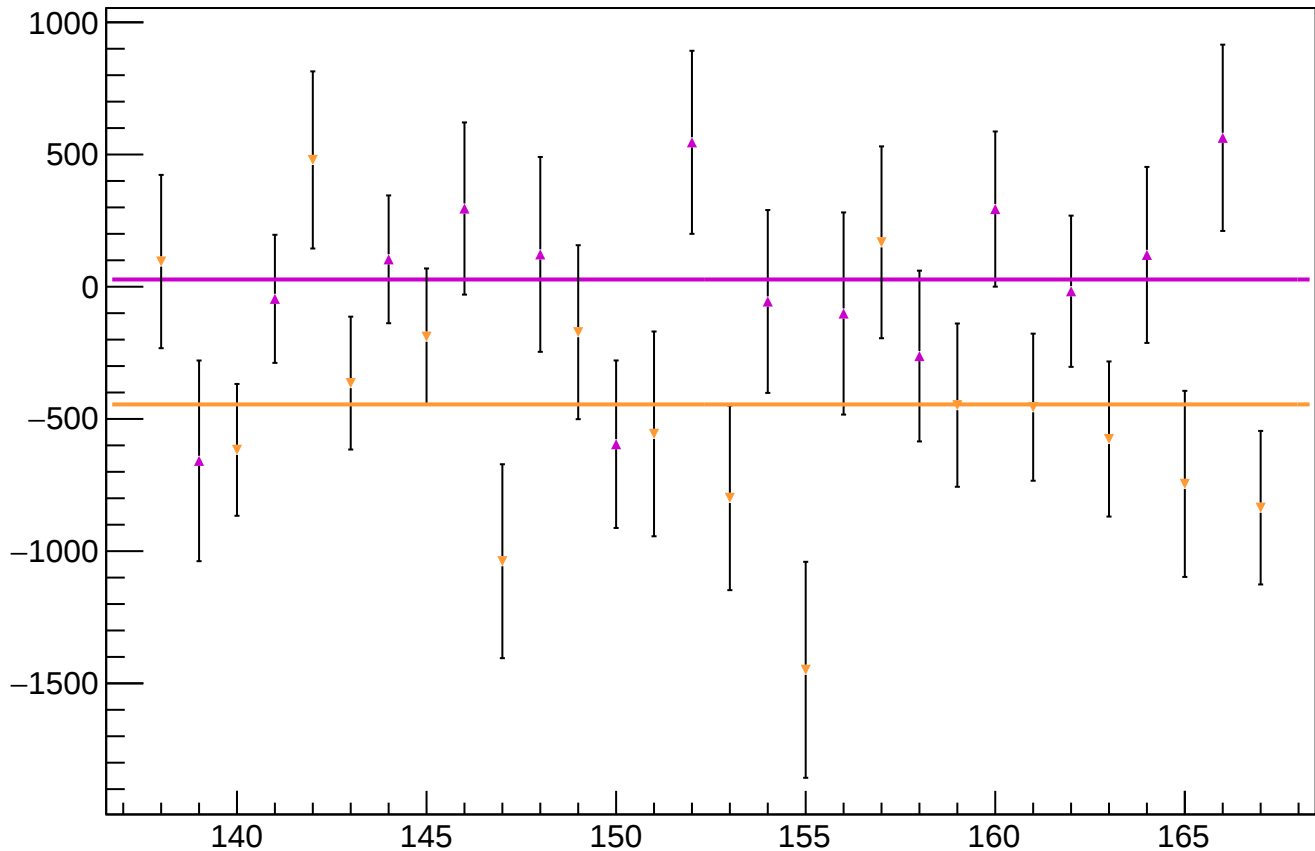
Left In: 57.200+/-0.012 χ^2/NDF : 31972.9/13

+ sign 59.305+/-0.010 χ^2/NDF : 366484.8/32

All: 59.498+/-0.007 χ^2/NDF : 751534.8/65

- sign 59.700+/-0.010 χ^2/NDF : 384258.3/32

asym_sam8_correction_mean vs Slug



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

Left Out: -445.069+/-77.779 χ^2/NDF : 27.9/15

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

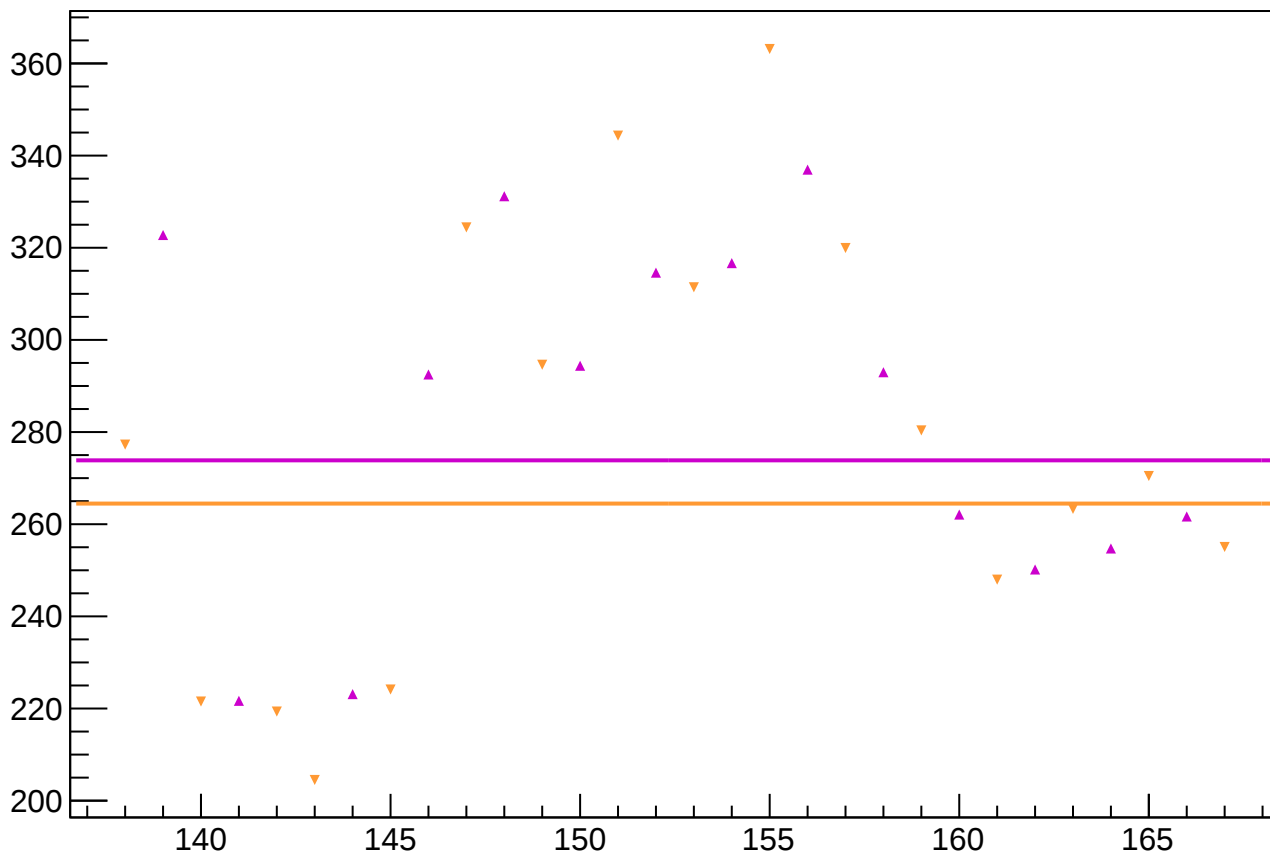
Left In: 27.390+/-83.928 χ^2/NDF : 14.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -226.779+/-57.048 χ^2/NDF : 59.5/29

- sign 0.000+/-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

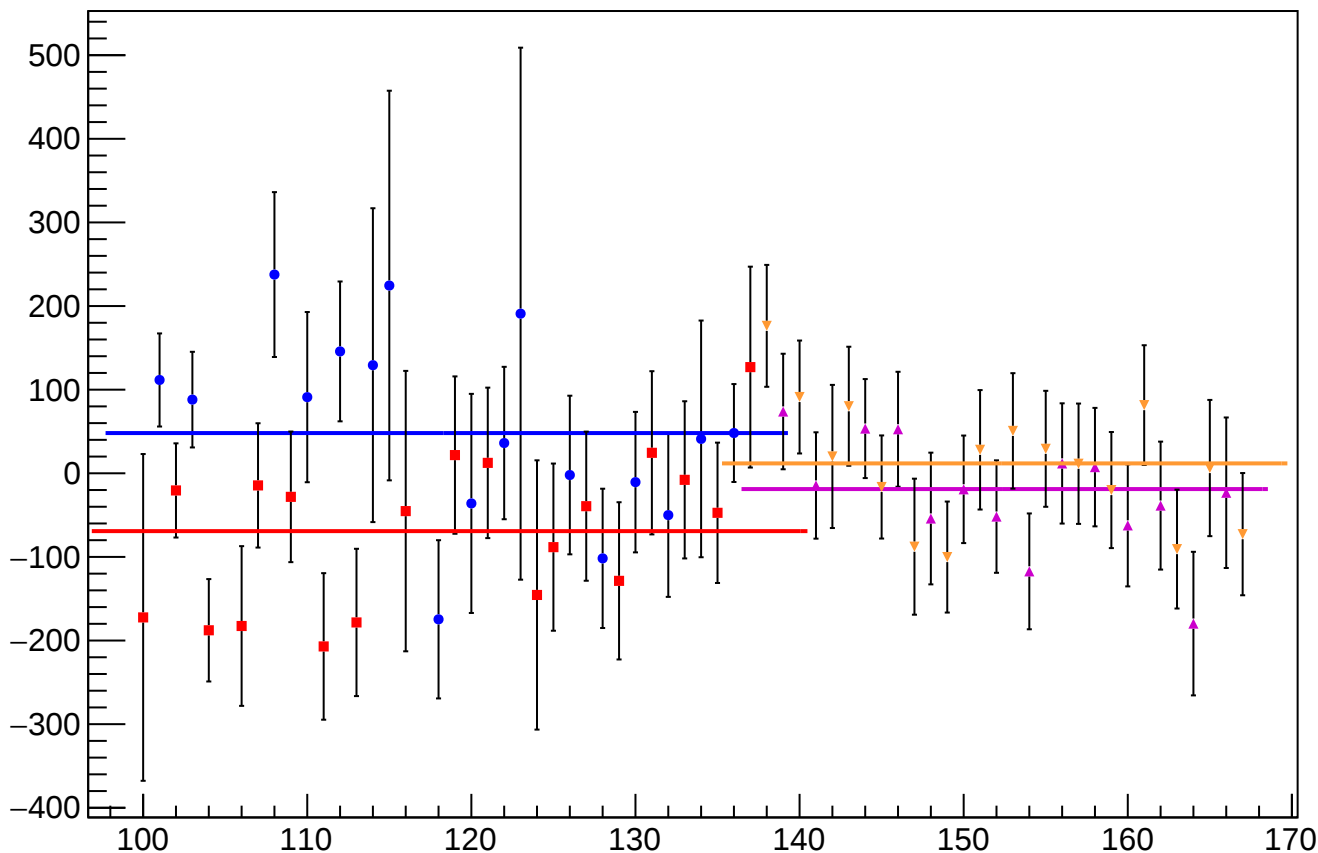
Left In: 273.861+/-0.059 χ^2/NDF : 423403.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 268.813+/-0.040 χ^2/NDF : 1068487.1/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109 $\pm$ 21.510 χ^2 /NDF: 19.0/16

Left Out: 11.832 $\pm$ 17.879 χ^2 /NDF: 17.0/15

Right Out: -69.156 $\pm$ 20.407 χ^2 /NDF: 17.7/18

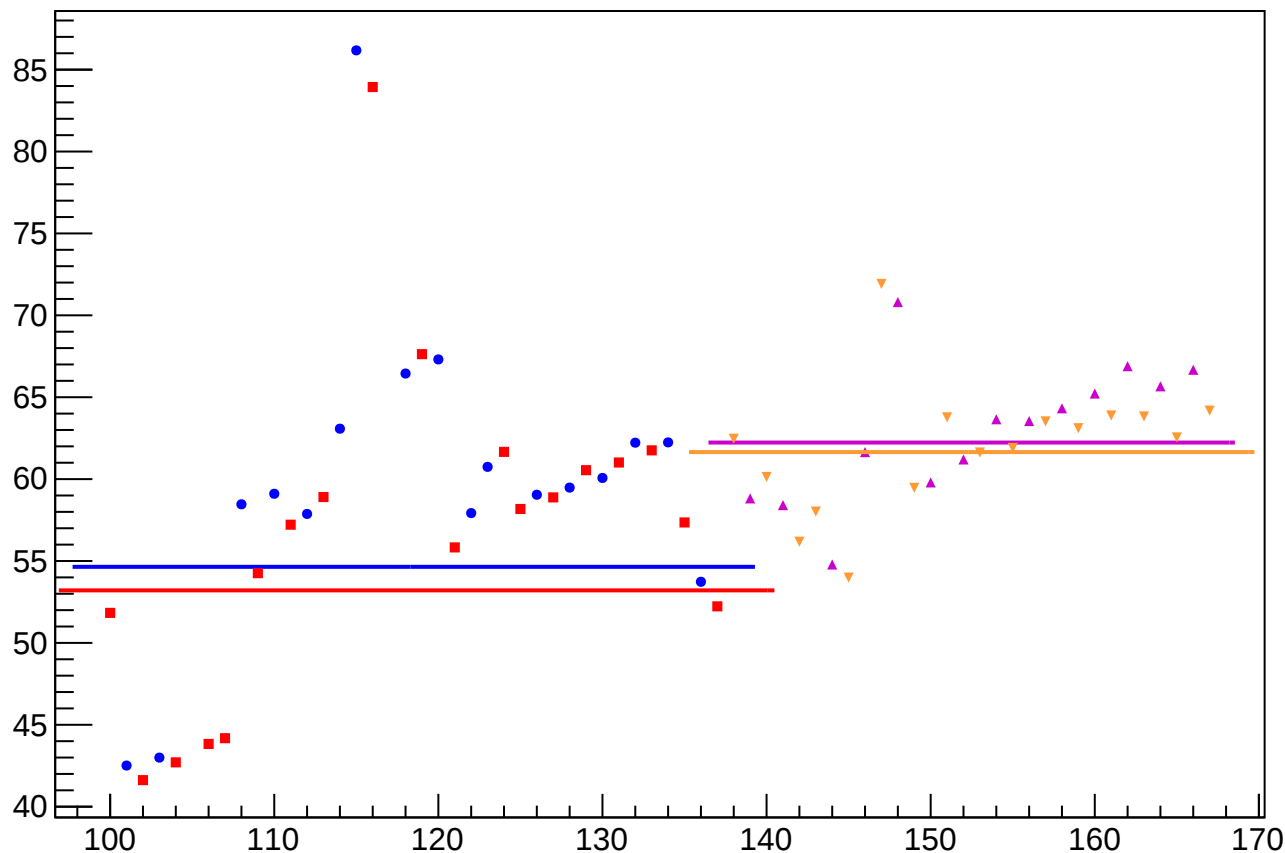
Left In: -18.861 $\pm$ 18.908 χ^2 /NDF: 11.1/13

+ sign 26.654 $\pm$ 13.749 χ^2 /NDF: 37.6/32

All: -7.420 $\pm$ 9.765 χ^2 /NDF: 82.0/65

- sign -42.094 $\pm$ 13.870 χ^2 /NDF: 32.0/32

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

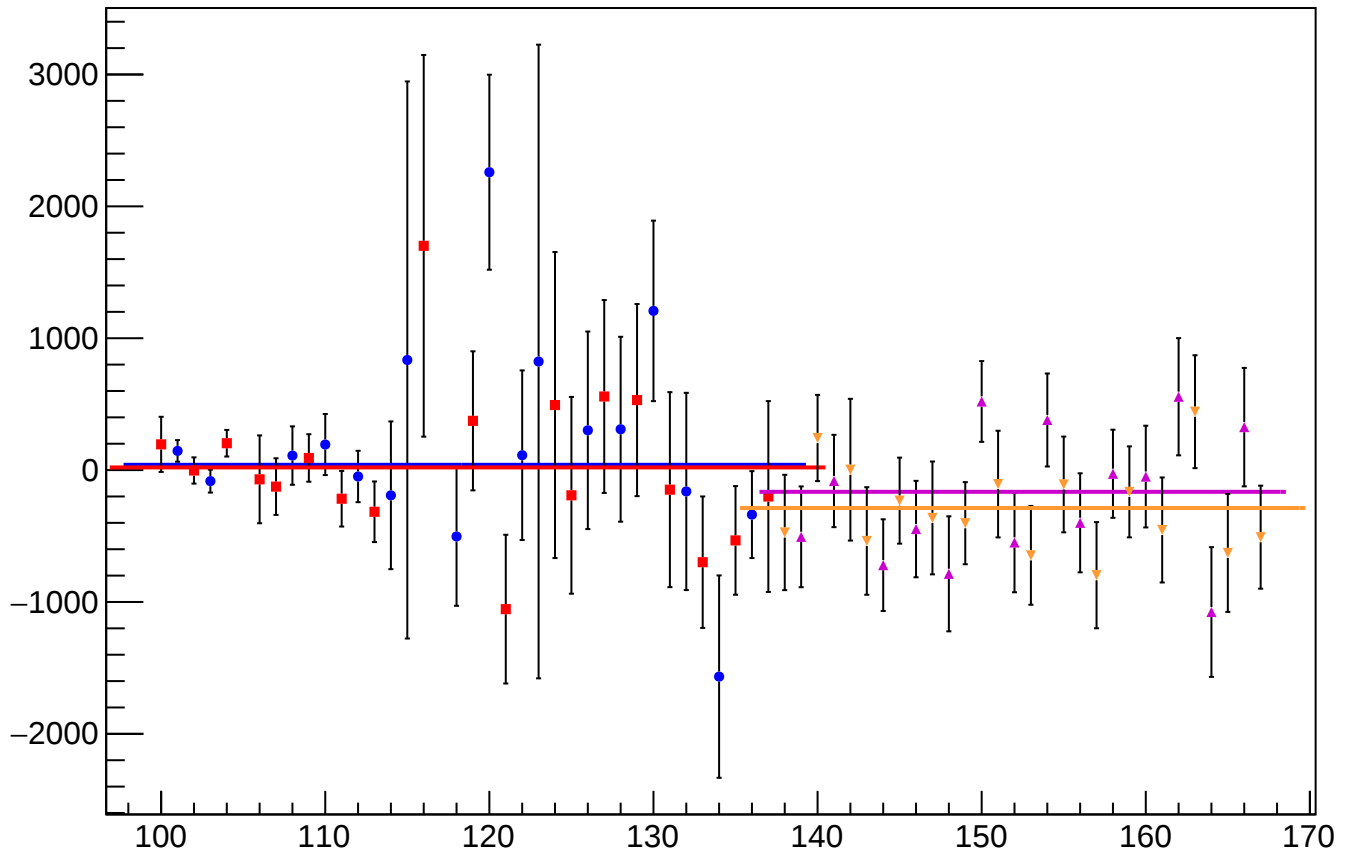
Left In: 62.233 $\pm$ 0.013 χ^2 /NDF: 93029.6/13

+ sign 58.788 $\pm$ 0.010 χ^2 /NDF: 534853.1/32

All: 58.429 $\pm$ 0.007 χ^2 /NDF: 1227439.3/65

- sign 58.063 $\pm$ 0.010 χ^2 /NDF: 689832.1/32

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -287.448 $\pm$ 96.250 χ^2 /NDF:10.8/15

Right Out: 20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

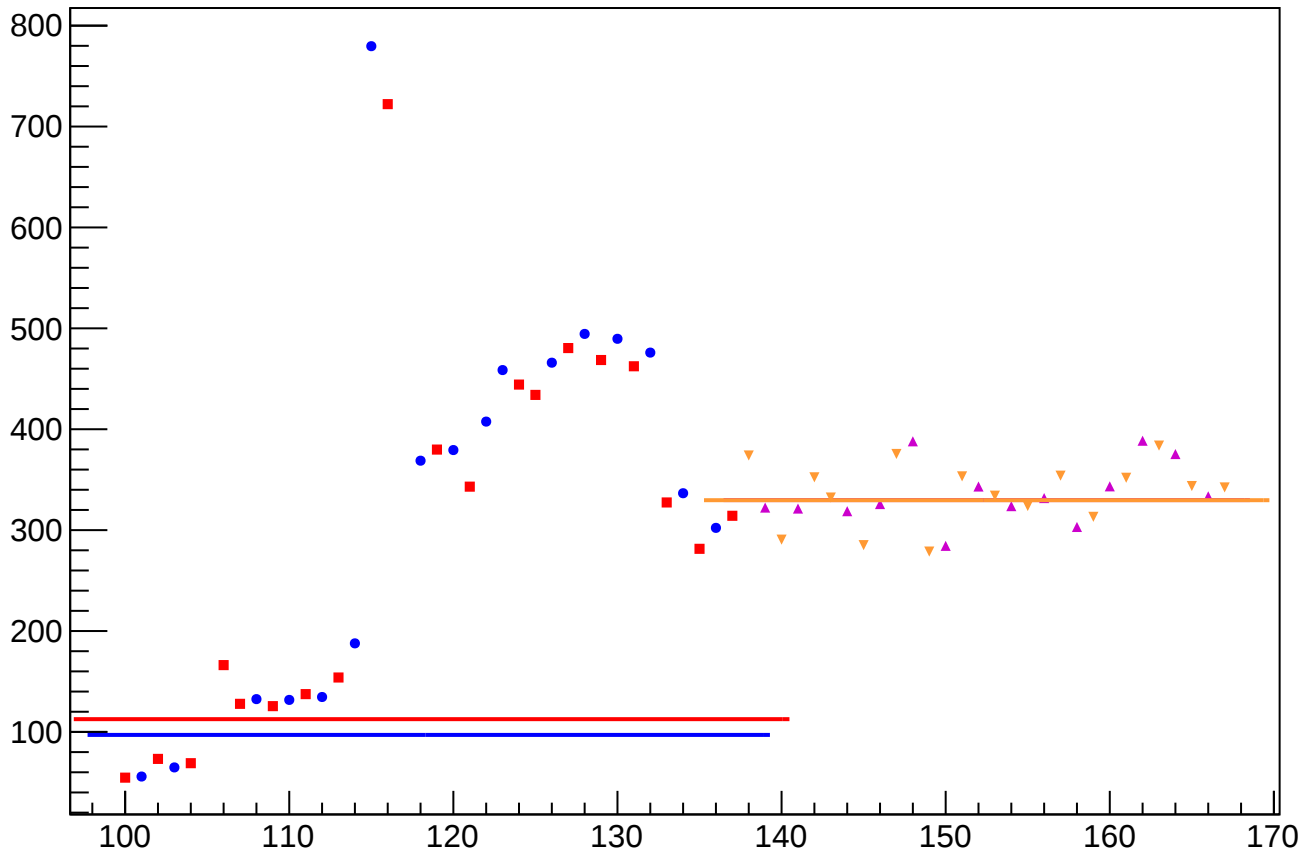
Left In: -164.755 $\pm$ 100.673 χ^2 /NDF:22.4/13

+ sign -32.813 $\pm$ 45.438 χ^2 /NDF: 43.6/32

All: -26.750 $\pm$ 32.697 χ^2 /NDF: 87.6/65

- sign -20.238 $\pm$ 47.088 χ^2 /NDF: 43.9/32

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

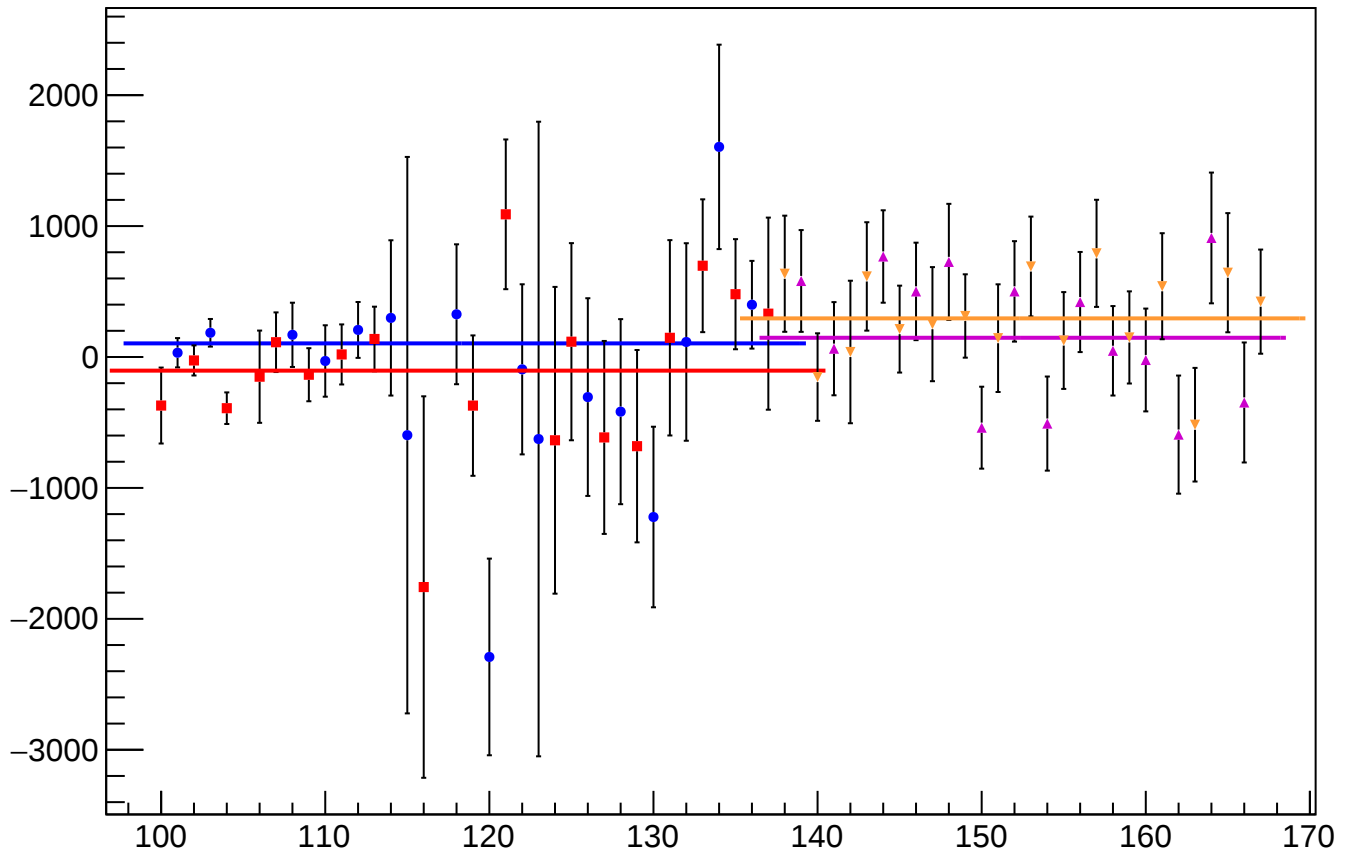
Left In: 329.795+/-0.071 χ^2/NDF : 154452.0/13

+ sign 148.880+/-0.032 χ^2/NDF : 15126916.4/32

All: 154.318+/-0.023 χ^2/NDF : 27646035.9/65

- sign 160.158+/-0.033 χ^2/NDF : 12459716.6/32

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 295.001 $\pm$ 97.978 χ^2 /NDF:10.9/15

Right Out: -104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

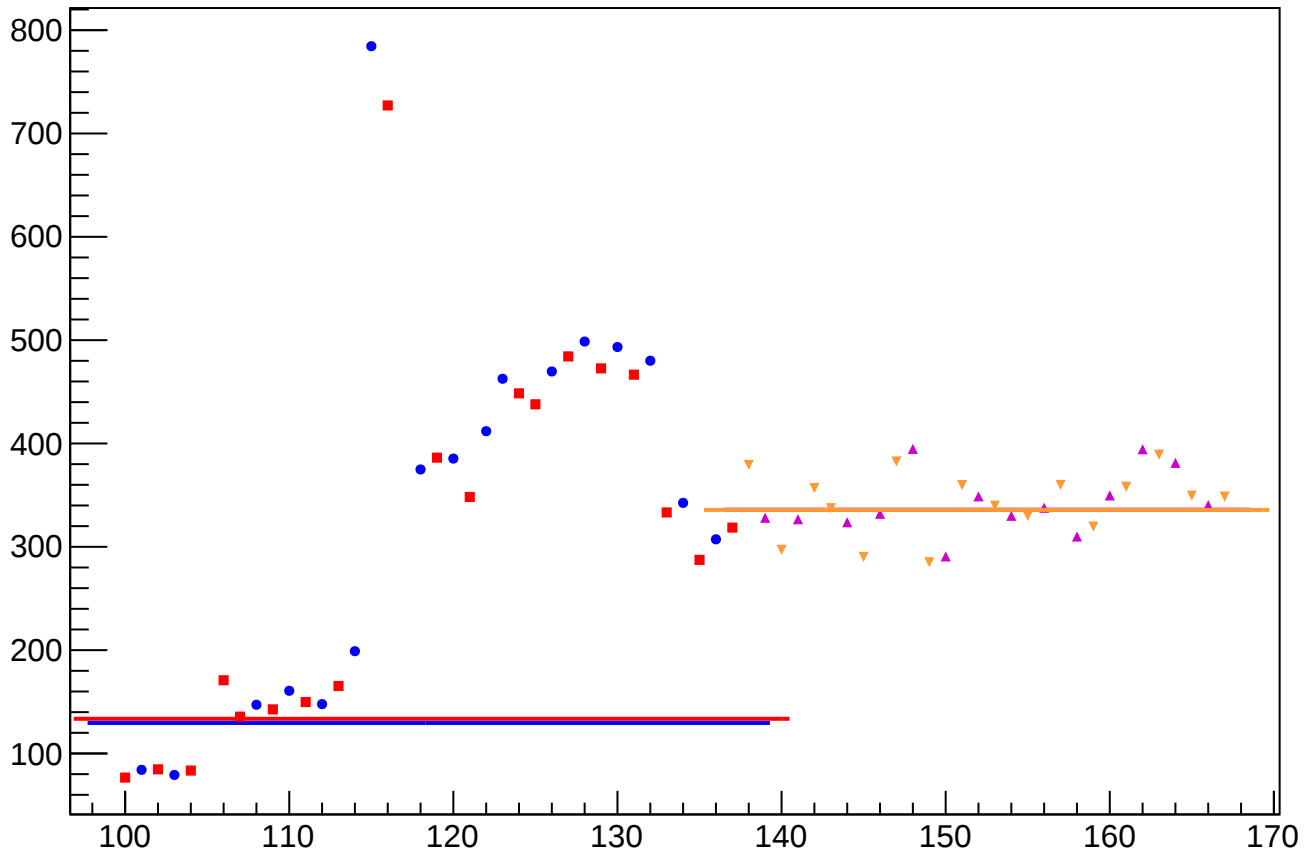
Left In: 146.863 $\pm$ 102.509 χ^2 /NDF:23.0/13

+ sign 160.067 $\pm$ 53.084 χ^2 /NDF: 34.9/32

All: 59.248 $\pm$ 37.267 χ^2 /NDF: 90.7/65

- sign -38.729 $\pm$ 52.330 χ^2 /NDF: 48.7/32

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 335.725+/-0.069 χ^2/NDF : 219594.8/15

Right Out: 133.593+/-0.043 χ^2/NDF : 4366252.1/18

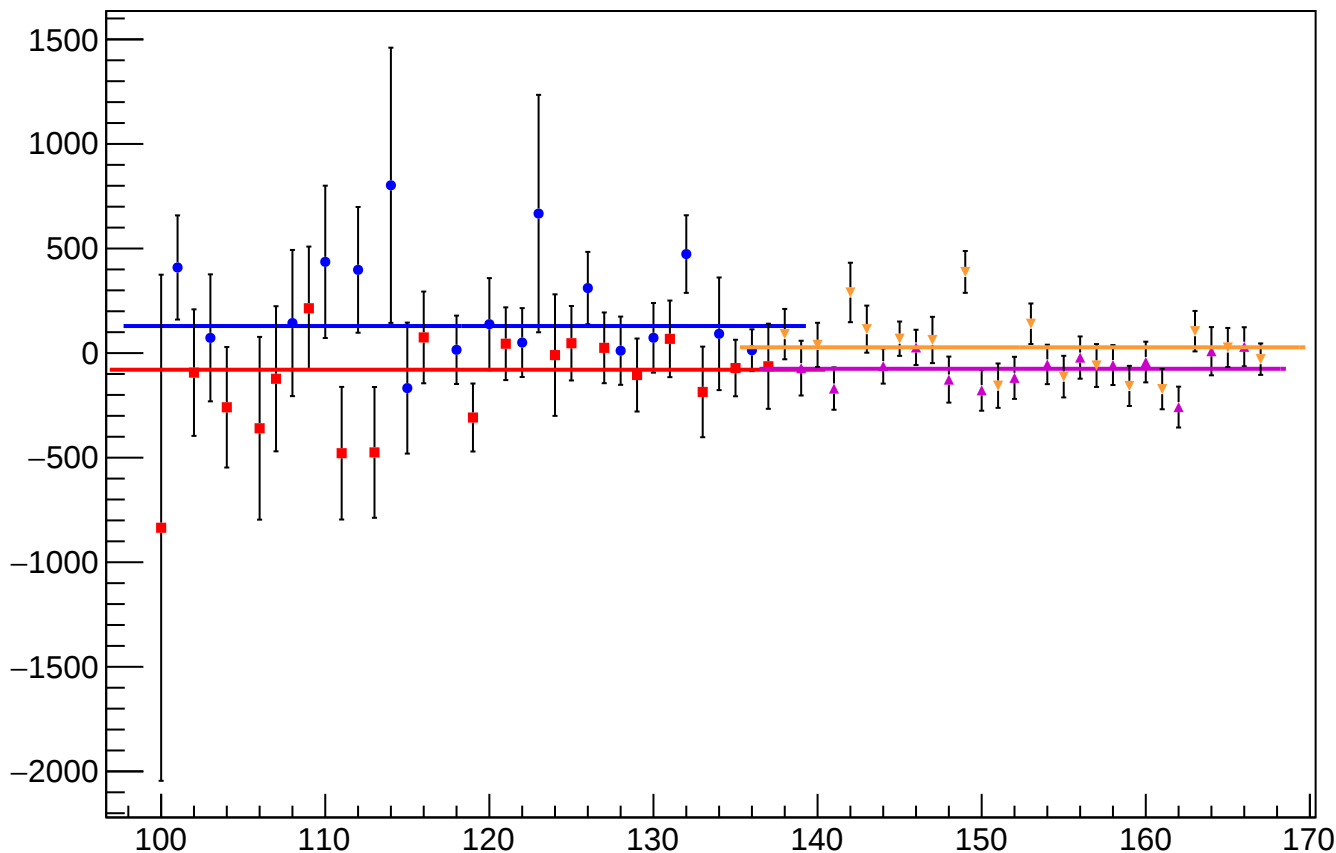
Left In: 335.928+/-0.072 χ^2/NDF : 148871.0/13

+ sign 190.071+/-0.038 χ^2/NDF : 11248433.9/32

All: 188.169+/-0.026 χ^2/NDF : 21529997.1/65

- sign 186.321+/-0.037 χ^2/NDF : 10276500.6/32

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

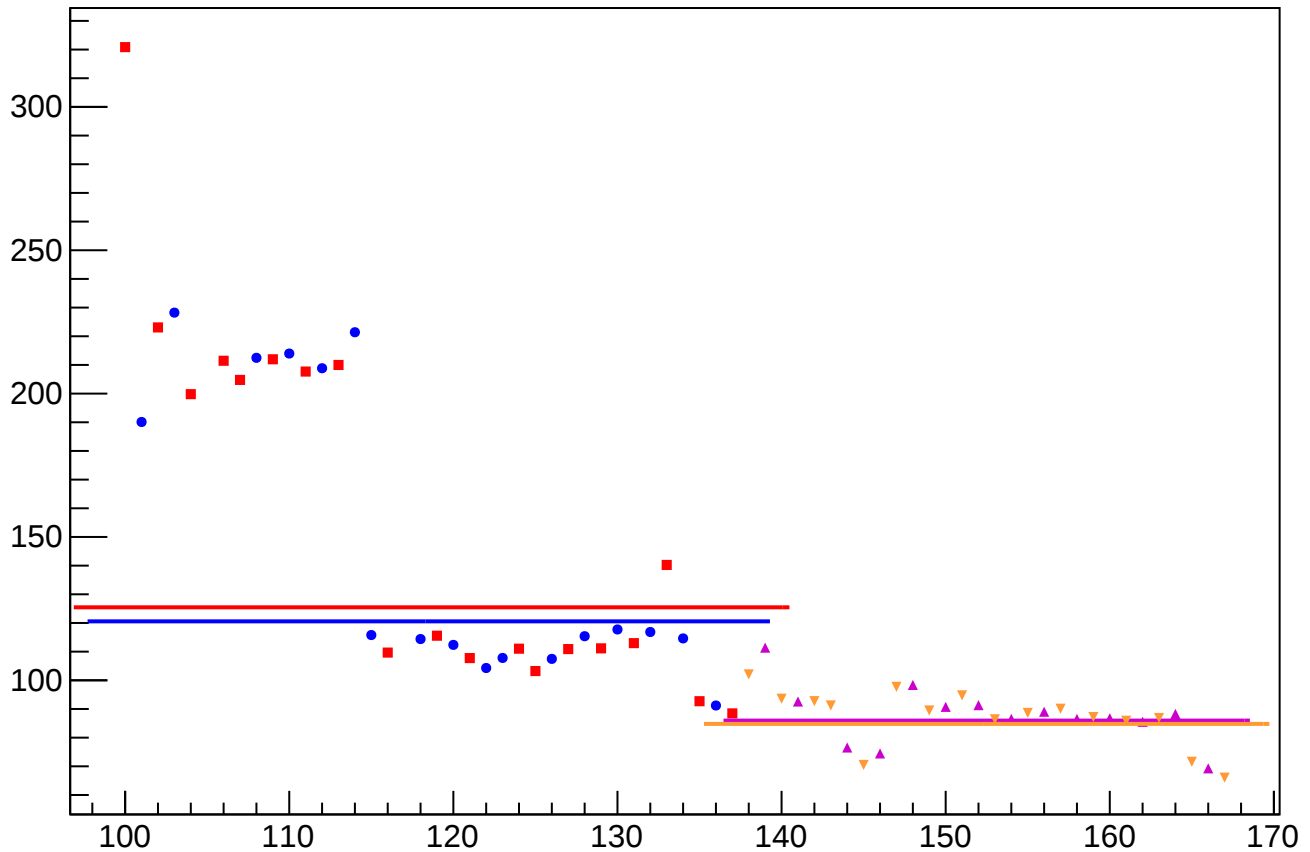
Left In: -74.993 $\pm$ 26.311 χ^2 /NDF:9.7/13

+ sign 48.352 $\pm$ 22.150 χ^2 /NDF: 50.2/32

All: -10.740 $\pm$ 16.045 χ^2 /NDF: 85.1/65

- sign -75.970 $\pm$ 23.272 χ^2 /NDF: 19.9/32

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 84.796 $\pm$ 0.018 χ^2 /NDF: 353461.4/15

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

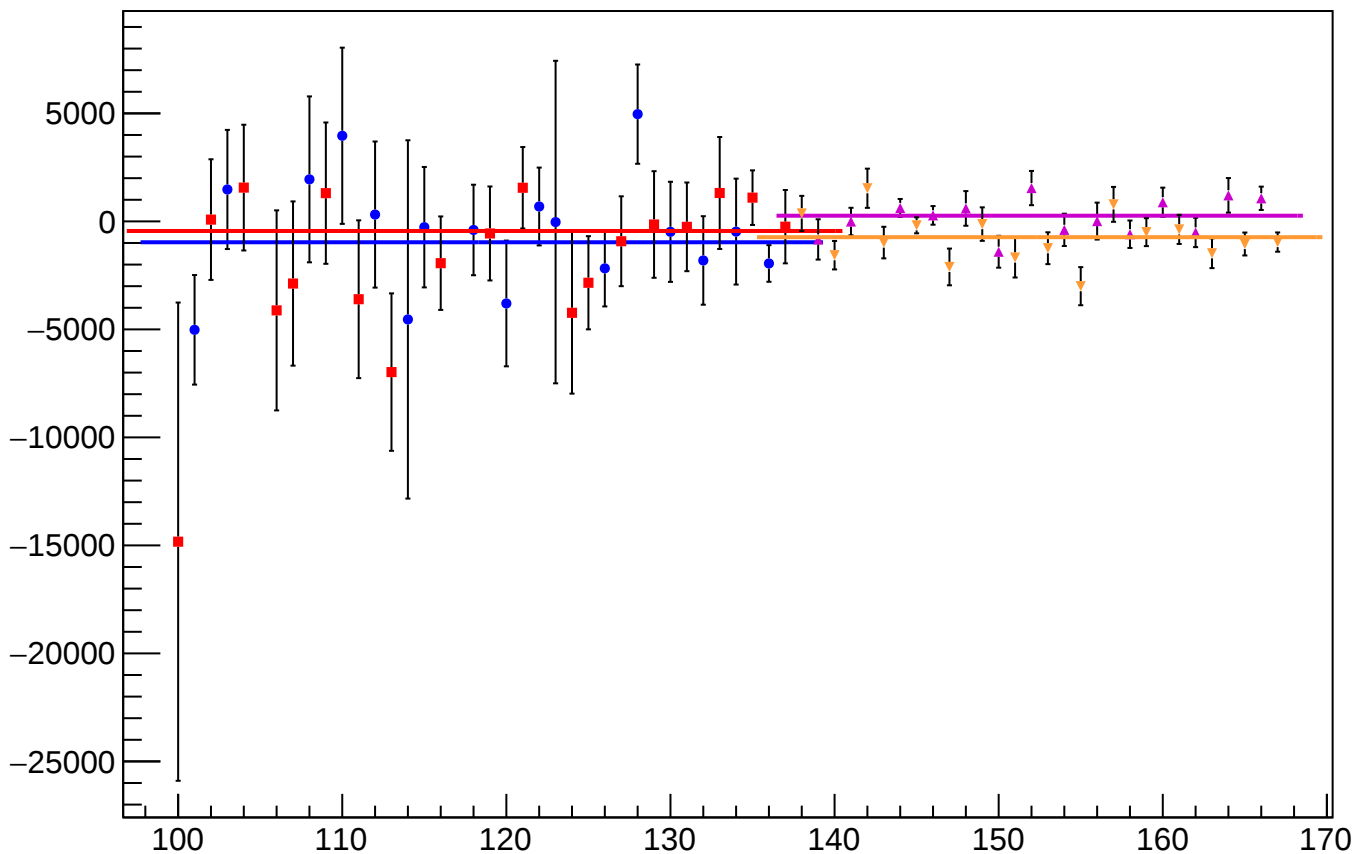
Left In: 85.953 $\pm$ 0.019 χ^2 /NDF: 248641.5/13

+ sign 92.069 $\pm$ 0.016 χ^2 /NDF: 2310382.1/32

All: 93.249 $\pm$ 0.011 χ^2 /NDF: 4886001.7/65

- sign 94.551 $\pm$ 0.016 χ^2 /NDF: 2563686.8/32

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

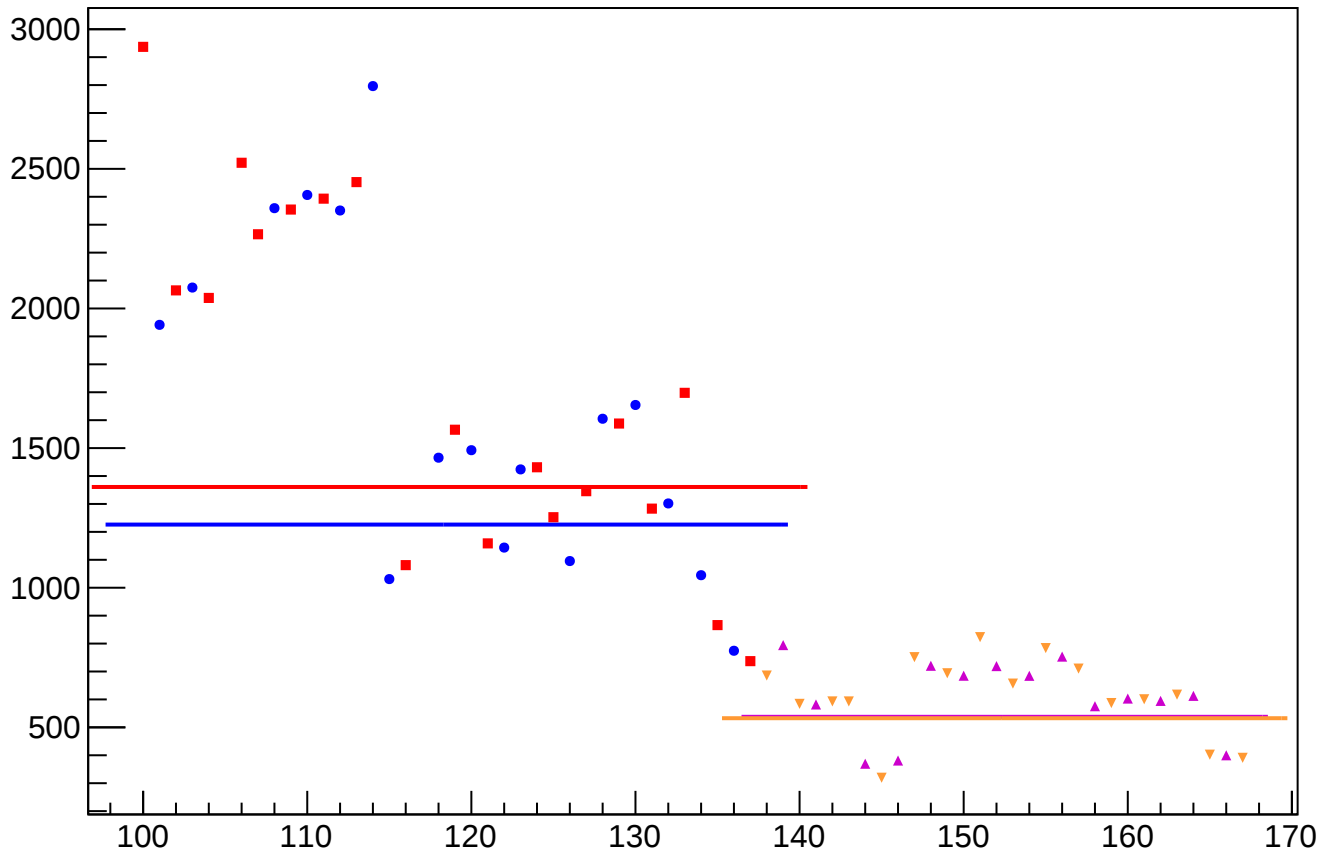
Left In: 262.463 ± 169.743 χ^2/NDF : 18.6/13

+ sign -752.583 ± 154.018 χ^2/NDF : 45.7/32

All: -300.537 ± 111.646 χ^2/NDF : 97.4/65

- sign 200.034 ± 162.074 χ^2/NDF : 33.6/32

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 532.713+/-0.114 χ^2/NDF :1884315.3/15

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

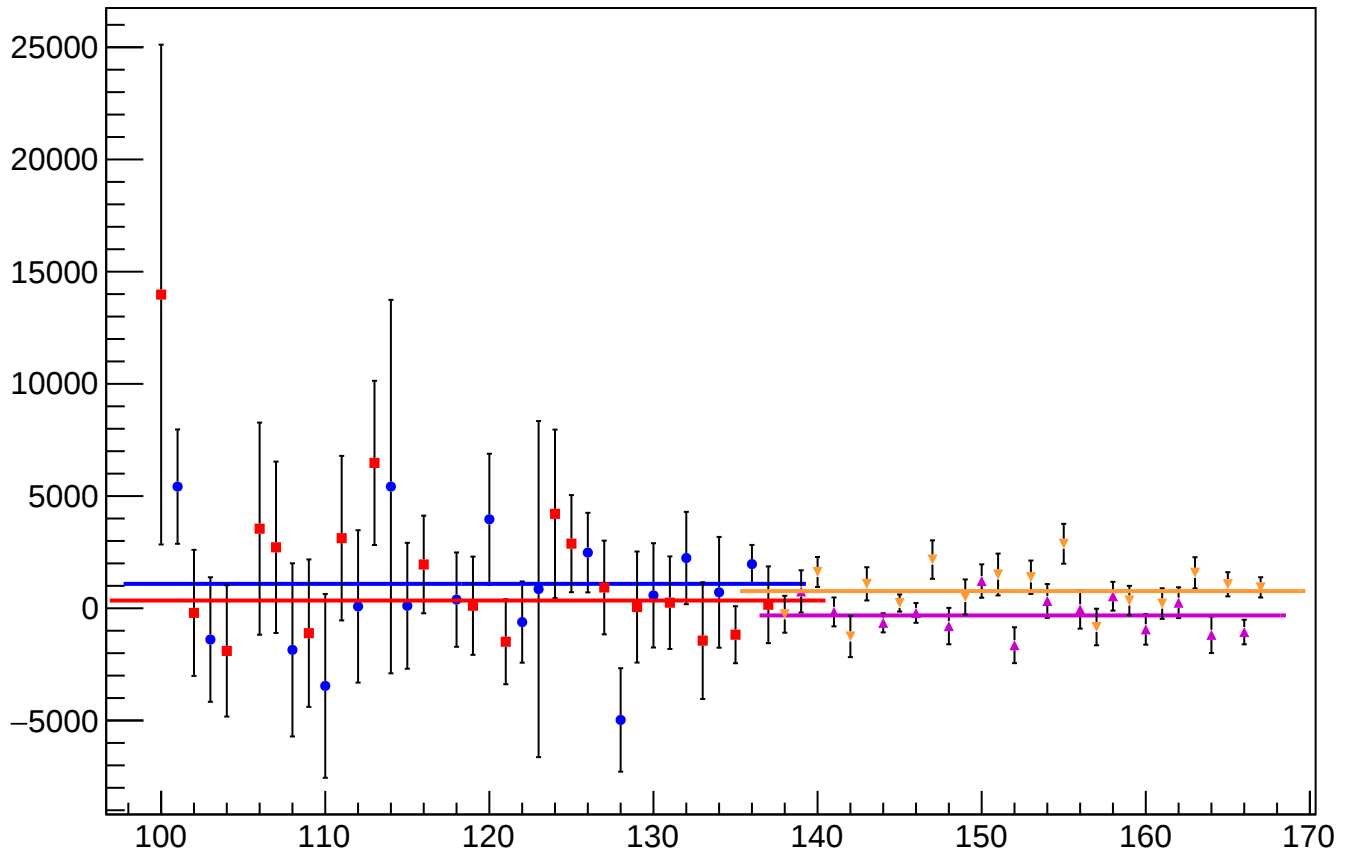
Left In: 537.716+/-0.120 χ^2/NDF :1430010.9/13

+ sign 595.378+/-0.109 χ^2/NDF : 6973159.3/32

All: 602.509+/-0.079 χ^2/NDF : 14314143.7/65

- sign 610.405+/-0.115 χ^2/NDF : 7331949.2/32

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

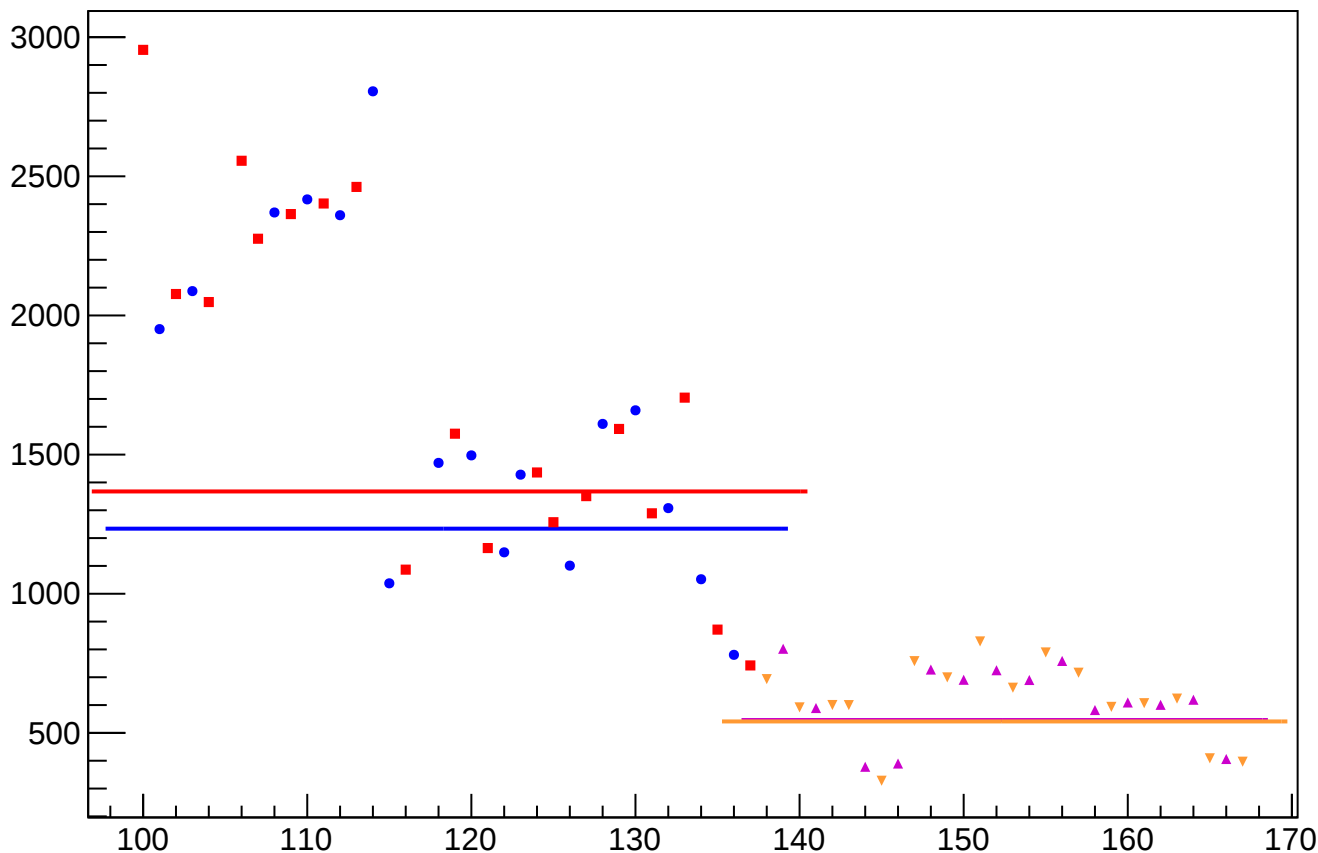
Left In: -318.902 $\pm$ 172.196 χ^2 /NDF:16.4/13

+ sign 795.439 $\pm$ 156.073 χ^2 /NDF: 44.0/32

All: 295.114 $\pm$ 113.151 χ^2 /NDF: 95.9/65

- sign -259.221 $\pm$ 164.282 χ^2 /NDF: 30.3/32

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

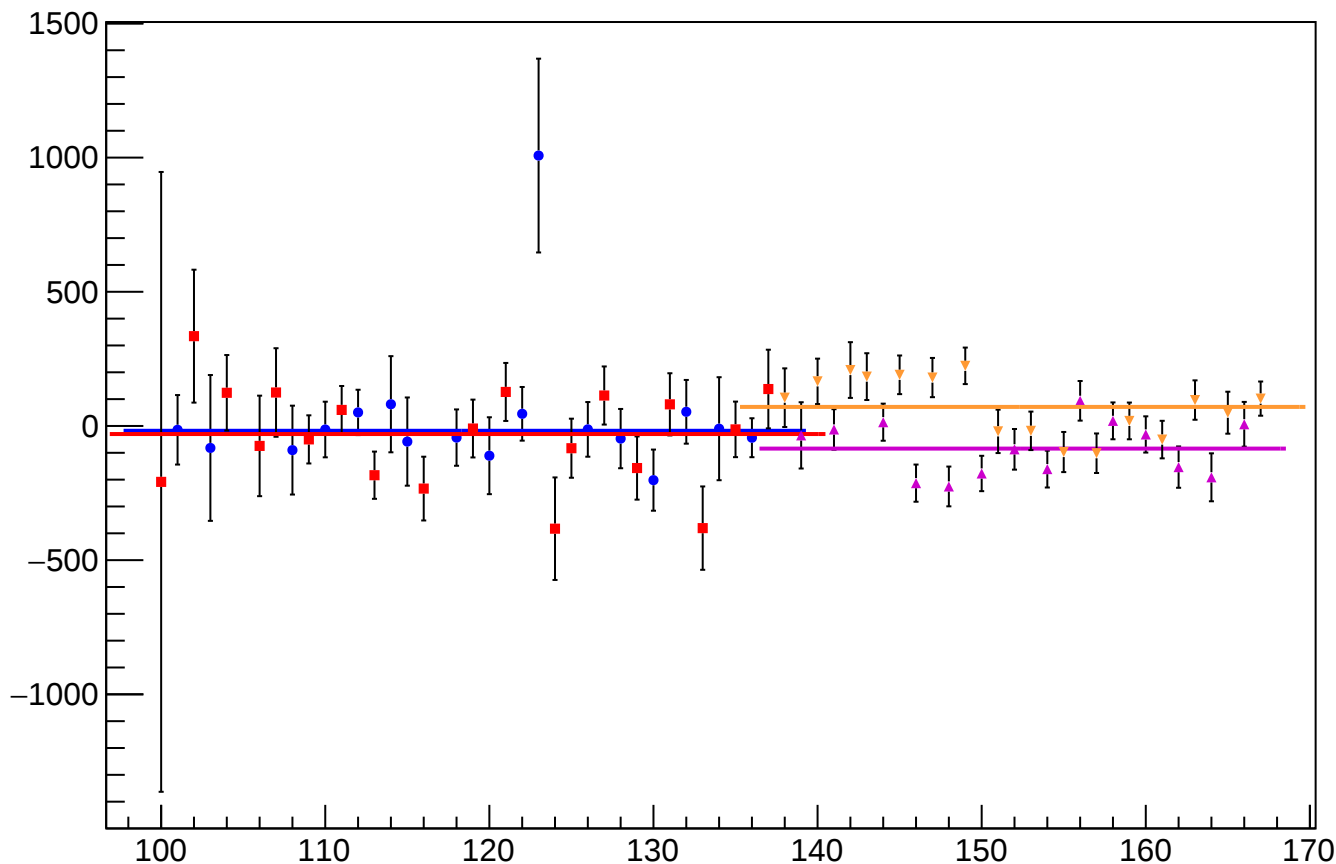
Left In: 546.348+/-0.122 χ^2/NDF : 1371829.6/13

+ sign 604.702+/-0.110 χ^2/NDF : 6840847.7/32

All: 612.009+/-0.080 χ^2/NDF : 14052164.4/65

- sign 620.104+/-0.116 χ^2/NDF : 7202077.6/32

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 71.004 ± 19.009 χ^2/NDF : 32.3/15

Right Out: -30.070 ± 27.976 χ^2/NDF : 27.4/18

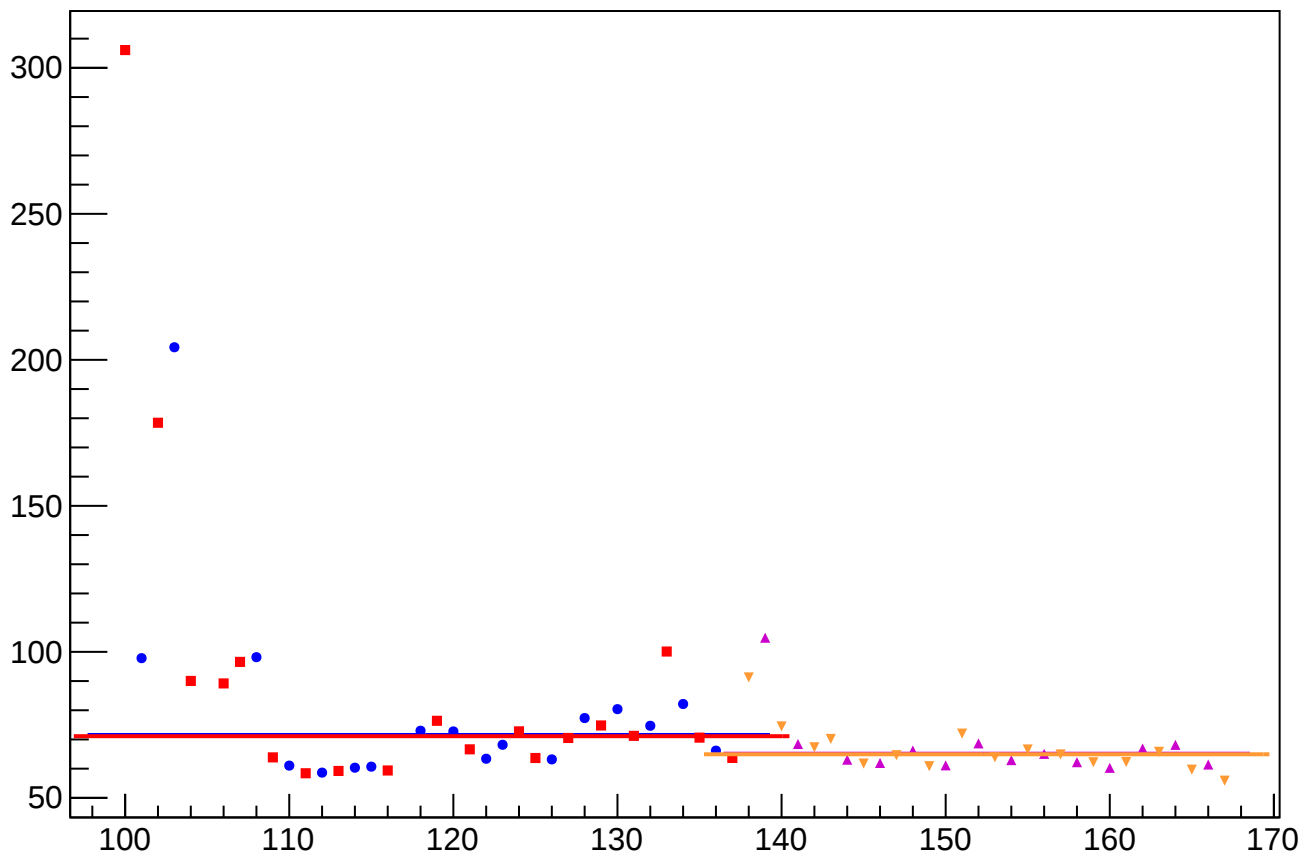
Left In: -84.326 ± 19.956 χ^2/NDF : 25.5/13

+ sign 44.066 ± 15.873 χ^2/NDF : 52.3/32

All: -9.702 ± 11.354 χ^2/NDF : 131.1/65

- sign -66.029 ± 16.246 χ^2/NDF : 55.4/32

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

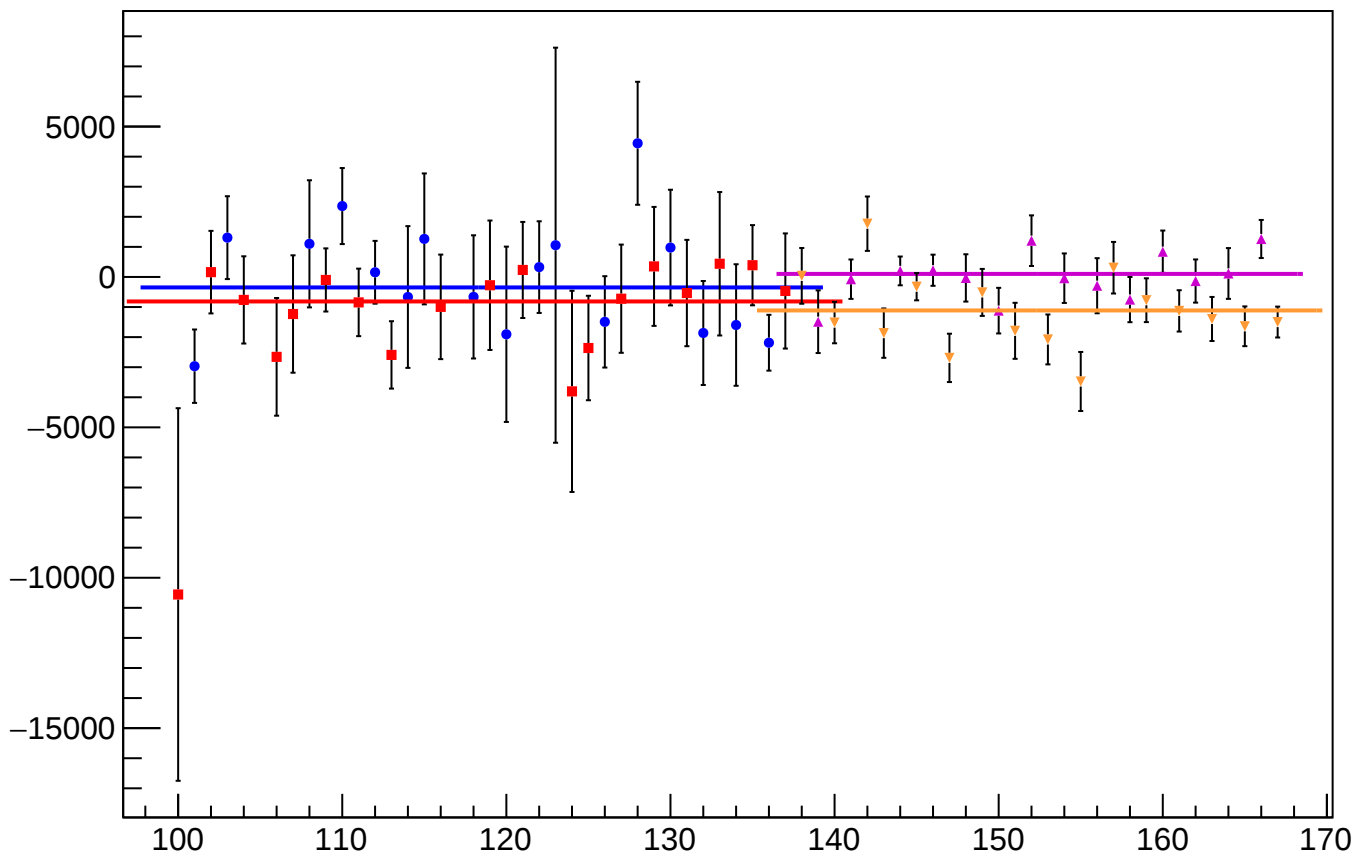
Left In: 65.123 $\pm$ 0.014 χ^2 /NDF: 252196.3/13

+ sign 66.927 $\pm$ 0.011 χ^2 /NDF: 1065410.9/32

All: 67.033 $\pm$ 0.008 χ^2 /NDF: 2143761.6/65

- sign 67.143 $\pm$ 0.011 χ^2 /NDF: 1078169.3/32

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

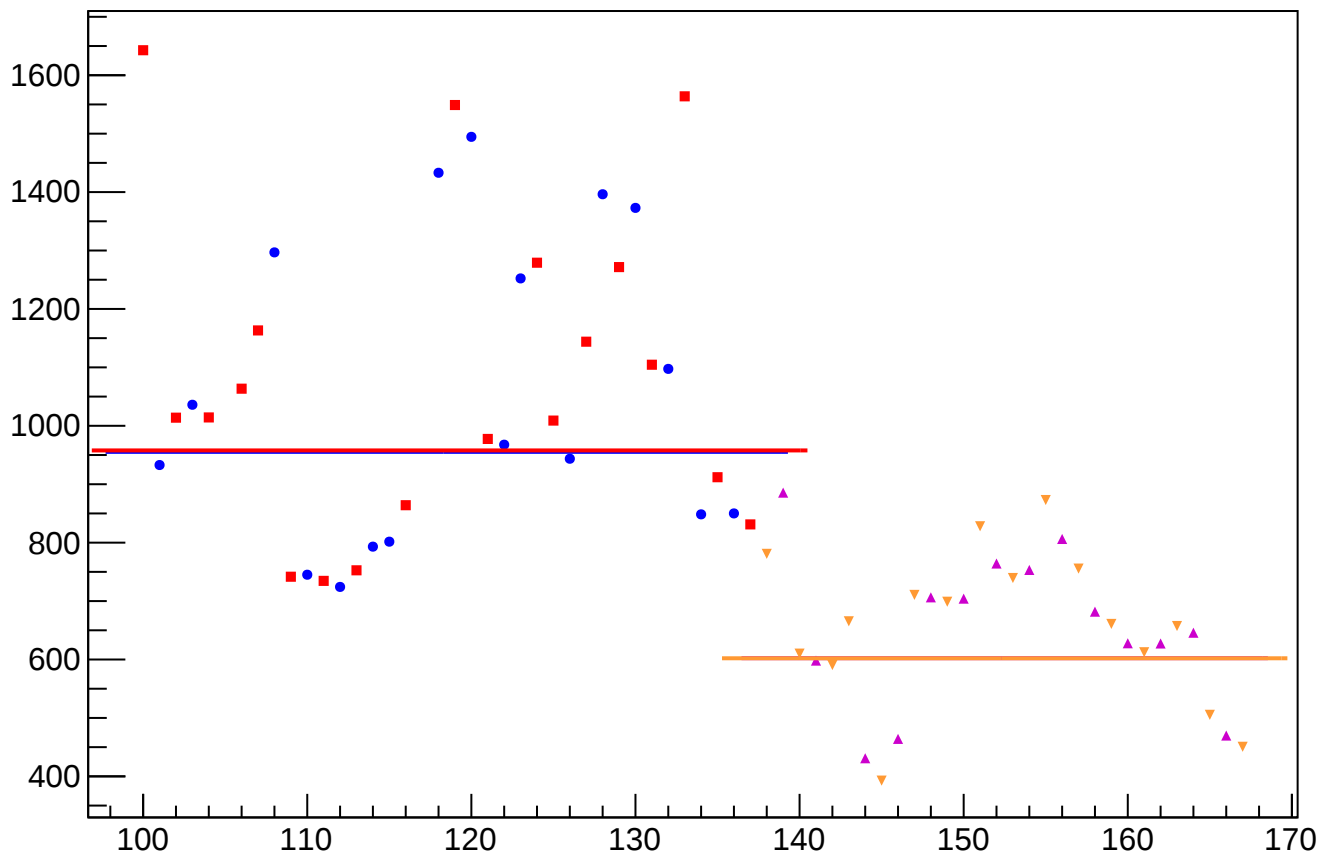
Left In: 101.373 ± 187.574 χ^2/NDF : 12.9/13

+ sign -974.717 ± 162.527 χ^2/NDF : 59.7/32

All: -543.163 ± 116.570 χ^2/NDF : 102.5/65

- sign -85.969 ± 167.285 χ^2/NDF : 28.3/32

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

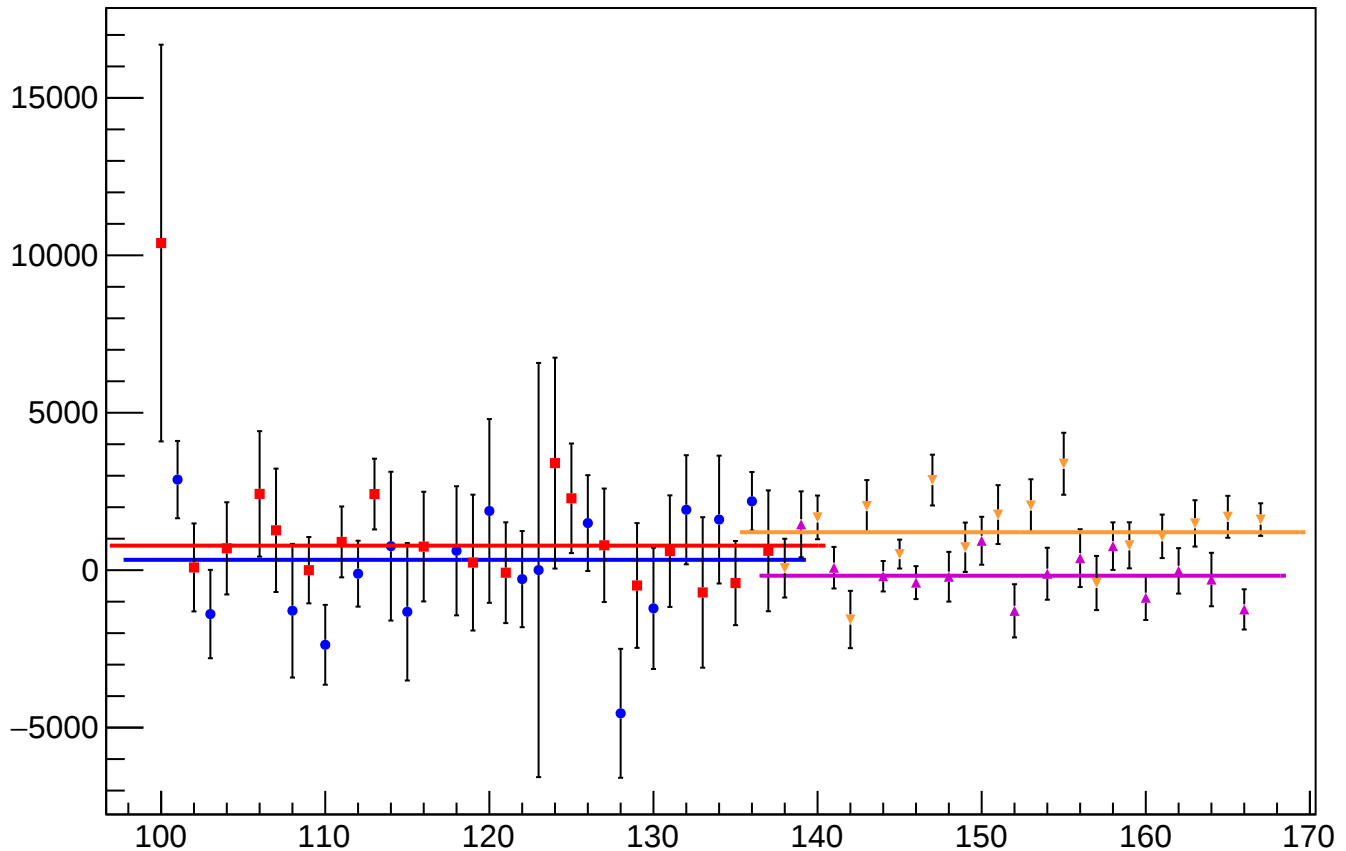
Left In: 602.284 $\pm$ 0.133 χ^2 /NDF:979203.6/13

+ sign 666.060 $\pm$ 0.115 χ^2 /NDF: 3260200.0/32

All: 670.422 $\pm$ 0.082 χ^2 /NDF: 6406028.2/65

- sign 675.042 $\pm$ 0.118 χ^2 /NDF: 3142862.0/32

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 $\chi^2/\text{NDF}: 24.3/16$

Left Out: 1205.802 ± 180.815 $\chi^2/\text{NDF}: 30.6/15$

Right Out: 779.623 ± 371.673 $\chi^2/\text{NDF}: 9.3/18$

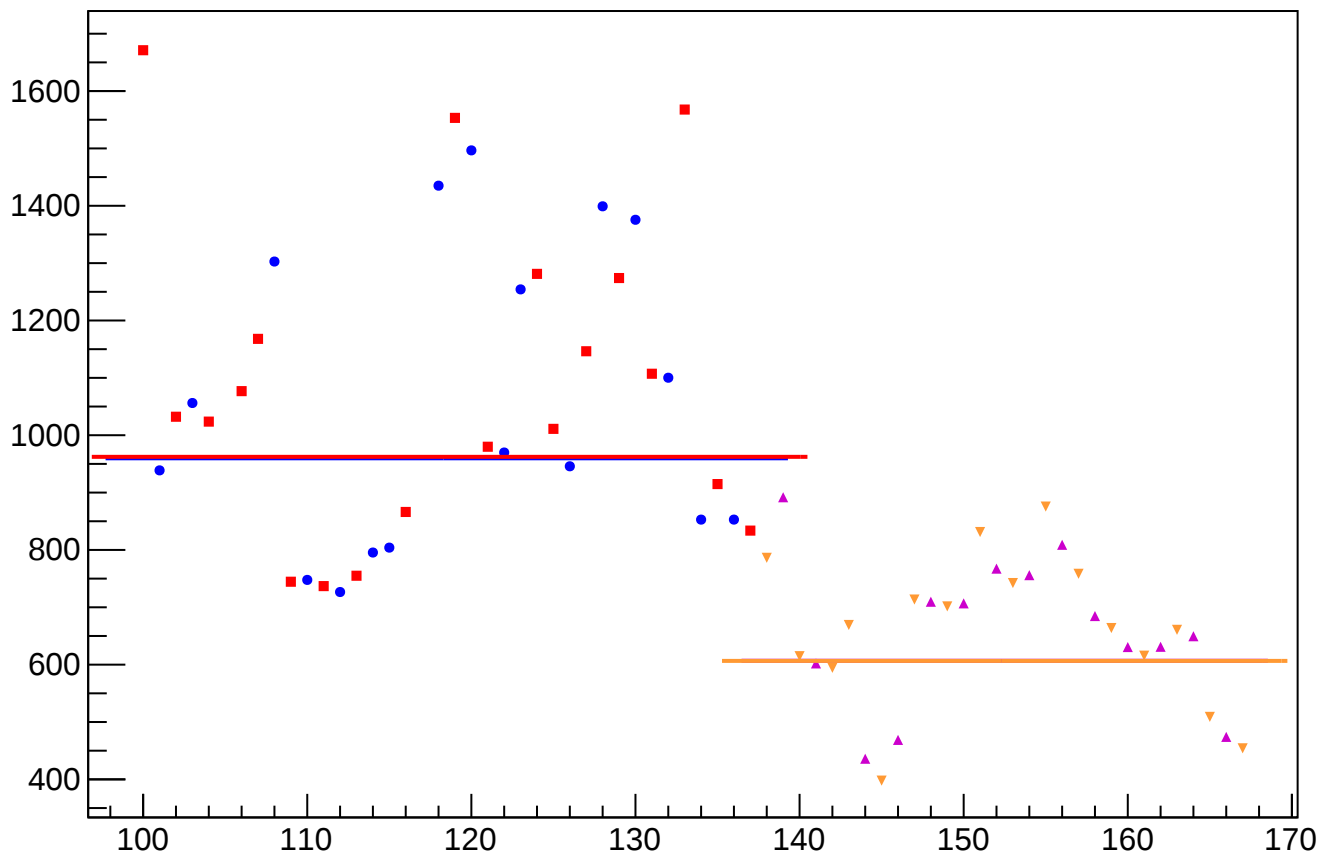
Left In: -175.606 ± 188.868 $\chi^2/\text{NDF}: 12.4/13$

+ sign 1046.523 ± 163.566 $\chi^2/\text{NDF}: 59.1/32$

All: 548.344 ± 117.322 $\chi^2/\text{NDF}: 105.2/65$

- sign 20.434 ± 168.376 $\chi^2/\text{NDF}: 27.0/32$

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

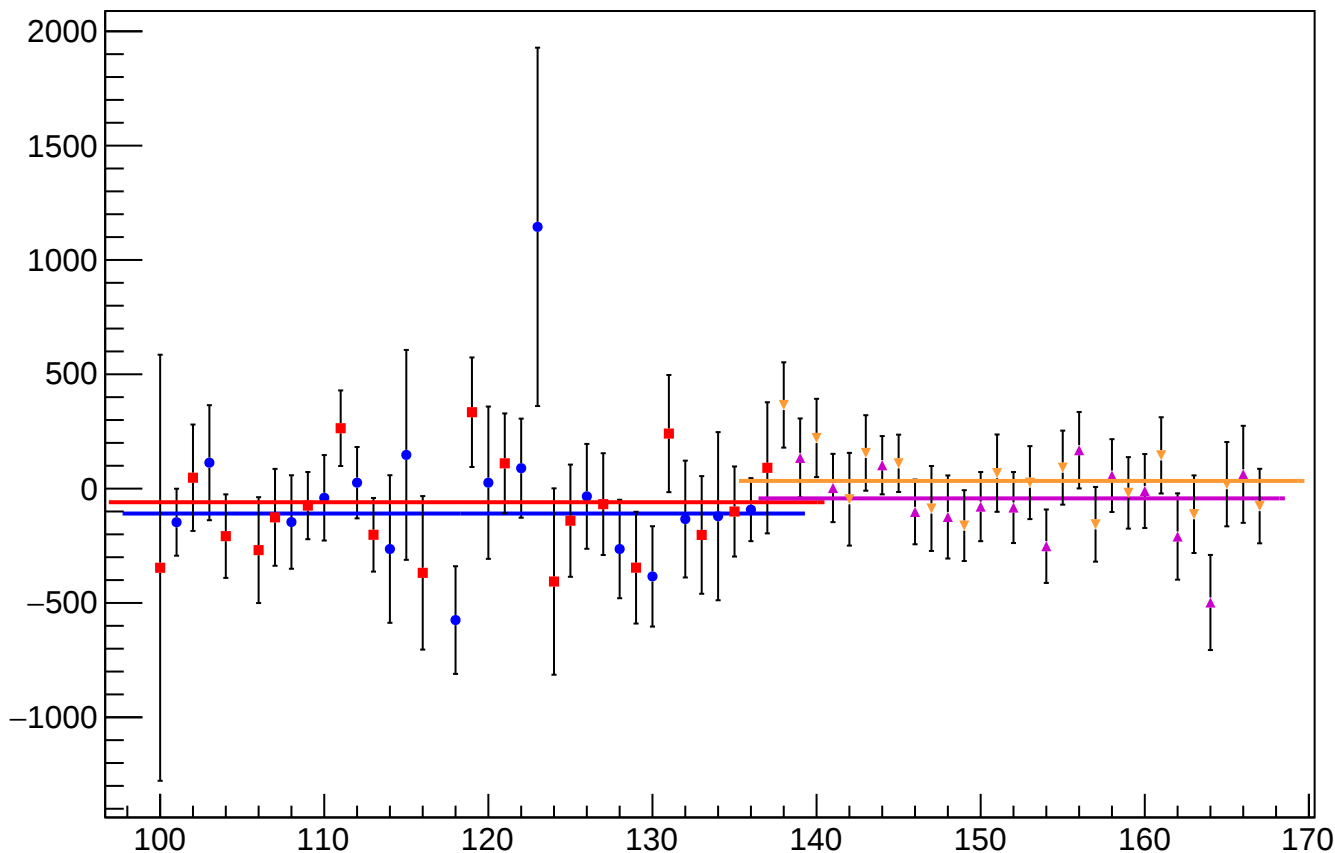
Left In: 606.790 $\pm$ 0.134 χ^2 /NDF:956645.5/13

+ sign 670.730 $\pm$ 0.116 χ^2 /NDF: 3218438.9/32

All: 675.111 $\pm$ 0.083 χ^2 /NDF: 6328210.7/65

- sign 679.754 $\pm$ 0.119 χ^2 /NDF: 3106816.2/32

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

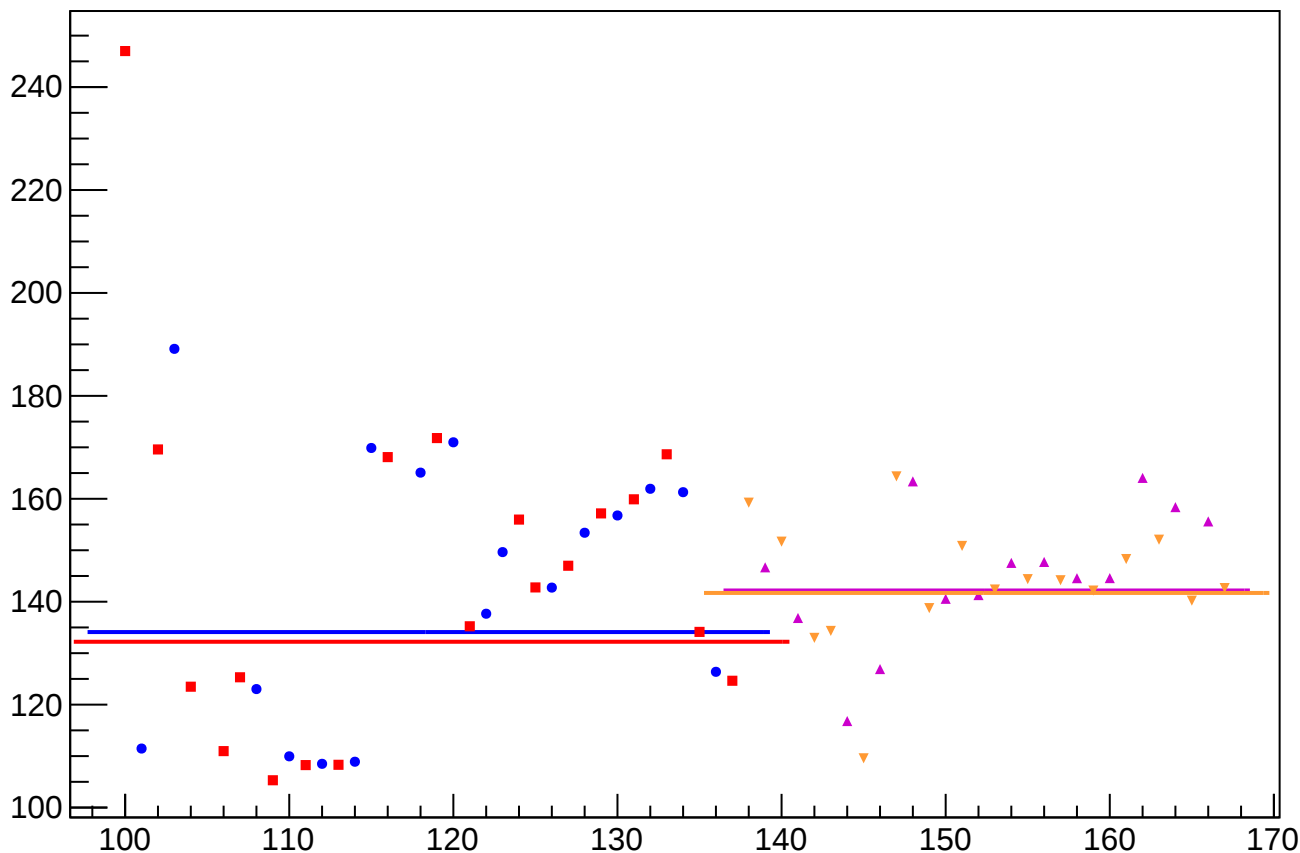
Left In: -42.701 ± 43.391 χ^2/NDF : 12.5/13

+ sign -20.286 ± 32.553 χ^2/NDF : 27.3/32

All: -34.829 ± 23.175 χ^2/NDF : 55.1/65

- sign -49.774 ± 33.000 χ^2/NDF : 27.4/32

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 141.705+/-0.029 χ^2/NDF : 211458.8/15

Right Out: 132.219+/-0.036 χ^2/NDF : 441738.5/18

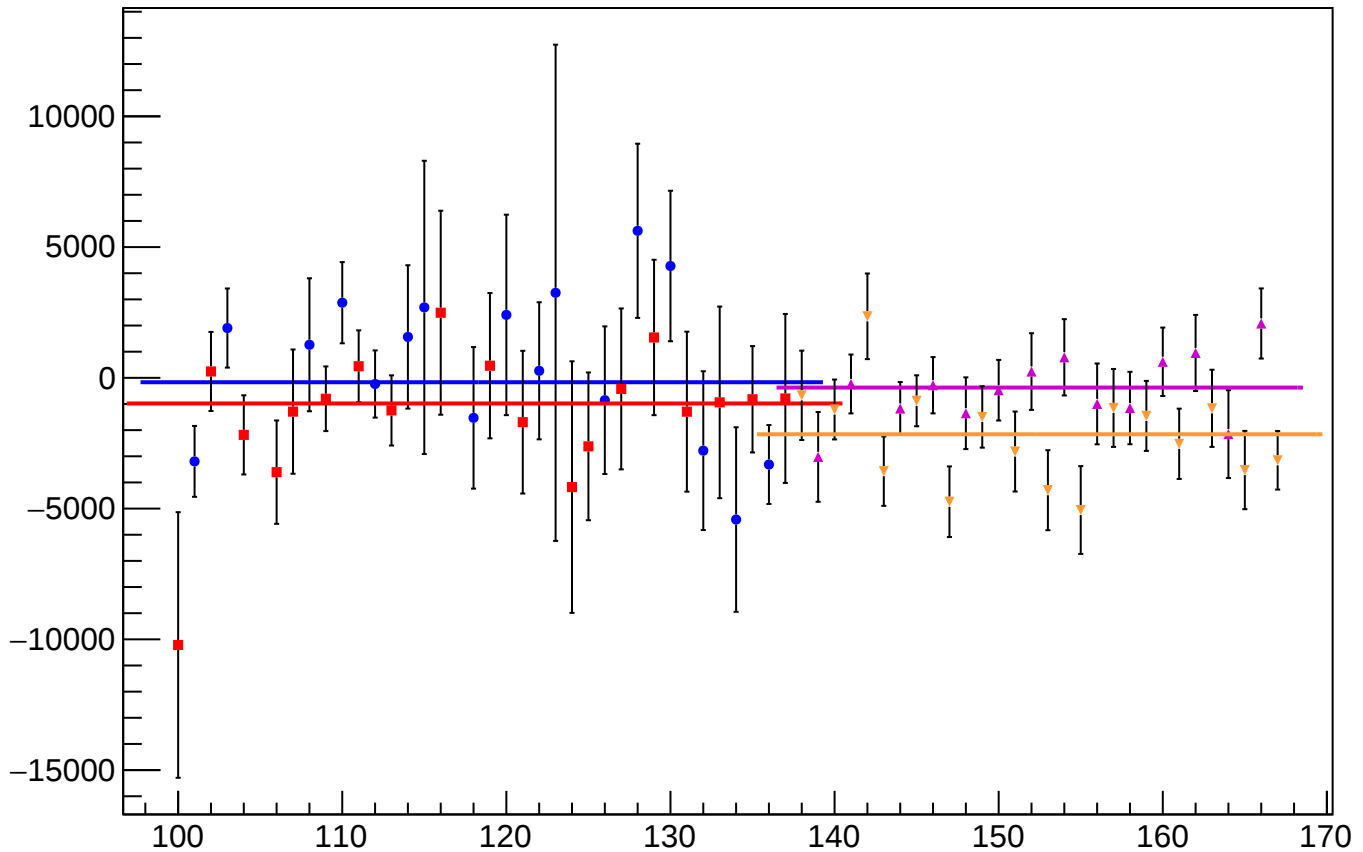
Left In: 142.181+/-0.031 χ^2/NDF : 186407.7/13

+ sign 138.829+/-0.023 χ^2/NDF : 639690.0/32

All: 138.411+/-0.016 χ^2/NDF : 1312954.7/65

- sign 137.981+/-0.023 χ^2/NDF : 672595.7/32

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

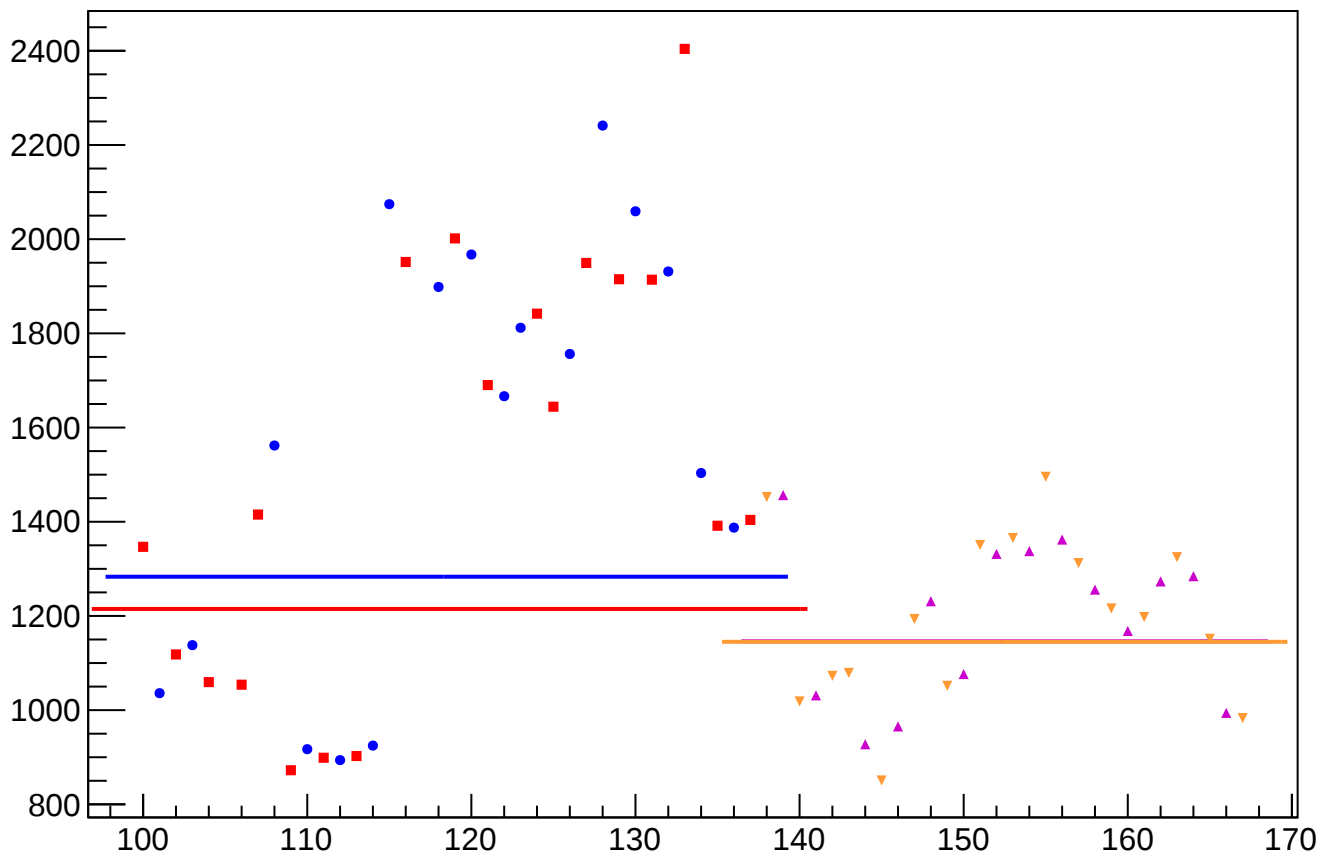
Left In: -372.187 ± 351.616 χ^2/NDF : 10.7/13

+ sign -1577.152 ± 282.912 χ^2/NDF : 59.4/32

All: -1082.257 ± 200.381 χ^2/NDF : 87.5/65

- sign -584.067 ± 283.852 χ^2/NDF : 21.9/32

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1145.065+/-0.238 χ^2/NDF : 565964.3/15

Right Out: 1214.883+/-0.340 χ^2/NDF : 1360860.3/18

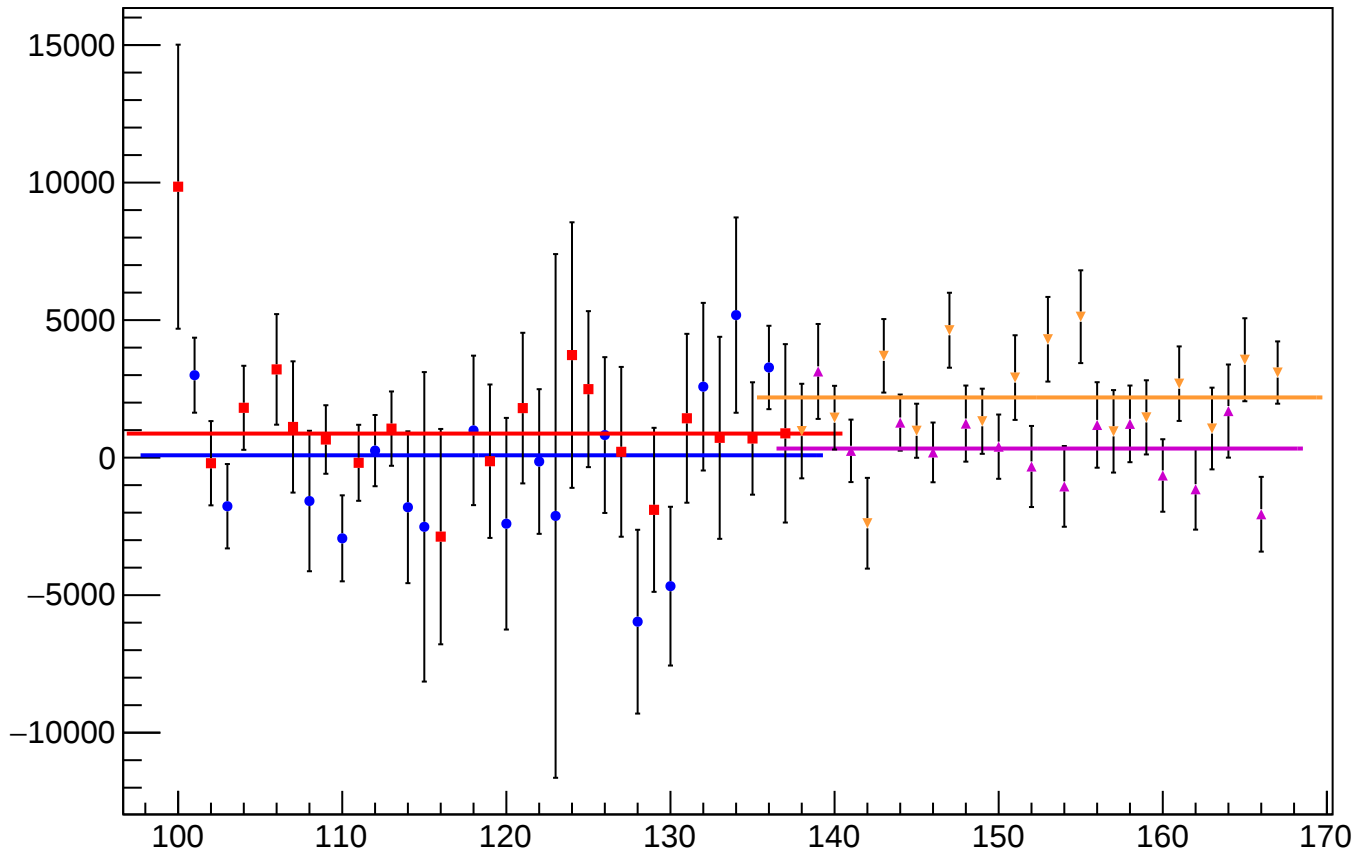
Left In: 1146.165+/-0.249 χ^2/NDF : 424028.6/13

+ sign 1185.416+/-0.200 χ^2/NDF : 1834108.8/32

All: 1177.783+/-0.142 χ^2/NDF : 3648525.5/65

- sign 1170.099+/-0.201 χ^2/NDF : 1811495.3/32

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

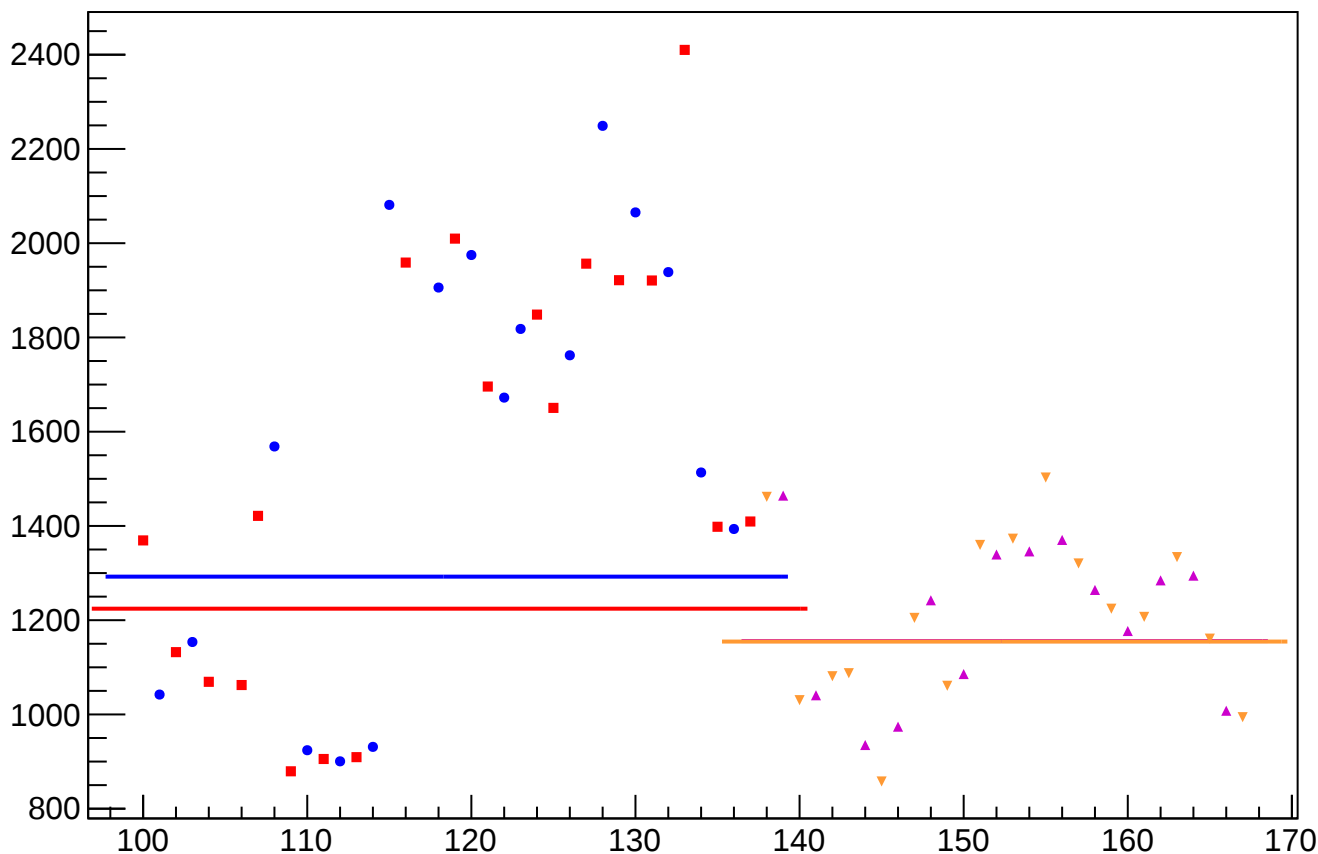
Left In: 330.326 ± 354.485 χ^2/NDF : 11.0/13

+ sign 1573.244 ± 285.077 χ^2/NDF : 59.4/32

All: 1048.550 ± 201.947 χ^2/NDF : 86.7/65

- sign 520.019 ± 286.118 χ^2/NDF : 20.5/32

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

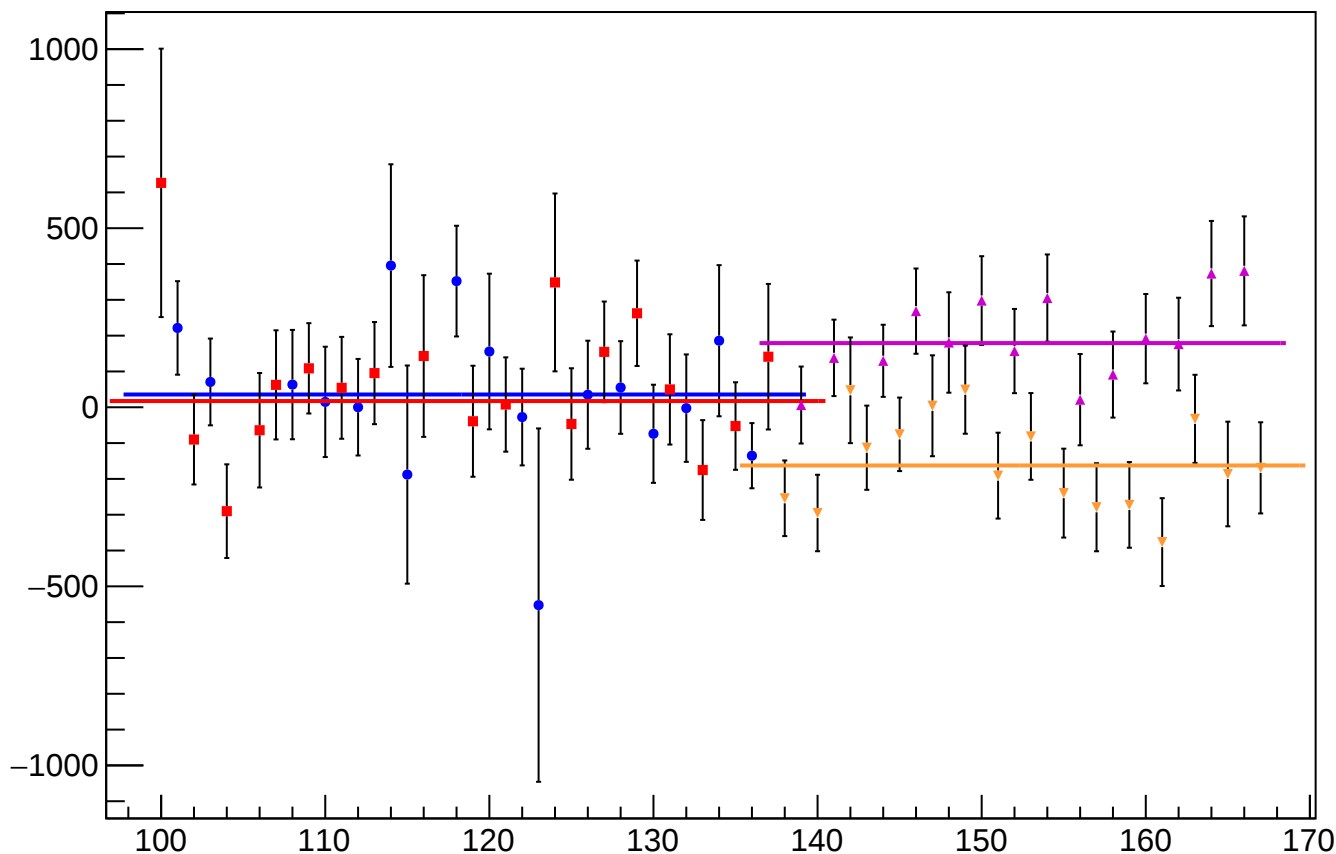
Left In: 1155.753+/-0.251 χ^2/NDF : 416960.6/13

+ sign 1194.954+/-0.202 χ^2/NDF : 1809989.9/32

All: 1187.349+/-0.143 χ^2/NDF : 3601719.1/65

- sign 1179.689+/-0.202 χ^2/NDF : 1788872.0/32

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

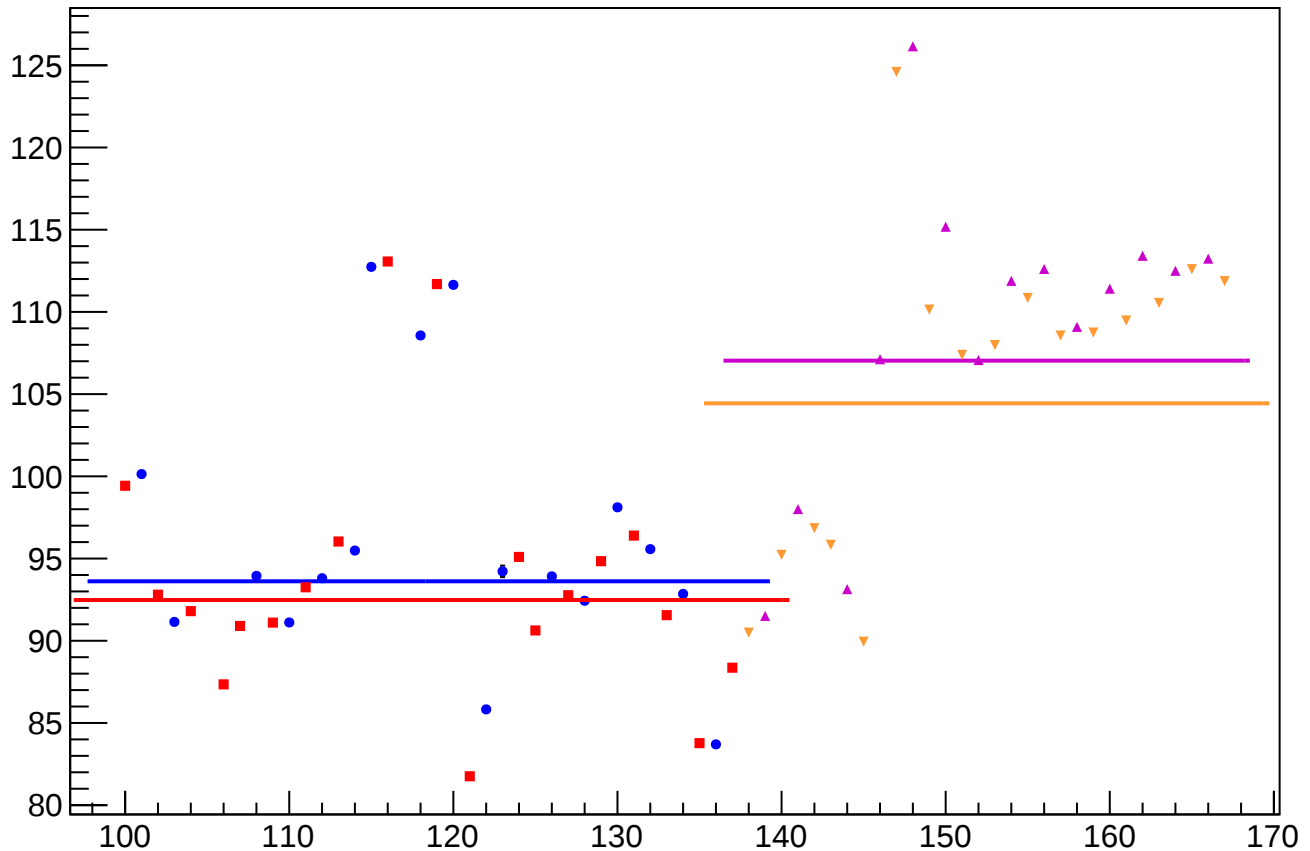
Left In: 179.243 ± 32.548 χ^2/NDF : 11.2/13

+ sign -81.164 ± 23.288 χ^2/NDF : 49.2/32

All: 9.398 ± 16.623 χ^2/NDF : 121.7/65

- sign 103.483 ± 23.736 χ^2/NDF : 41.6/32

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616 $\pm$ 0.026 χ^2 /NDF: 79928.5/16

Left Out: 104.441 $\pm$ 0.021 χ^2 /NDF:185380.2/15

Right Out: 92.477 $\pm$ 0.025 χ^2 /NDF: 78591.0/18

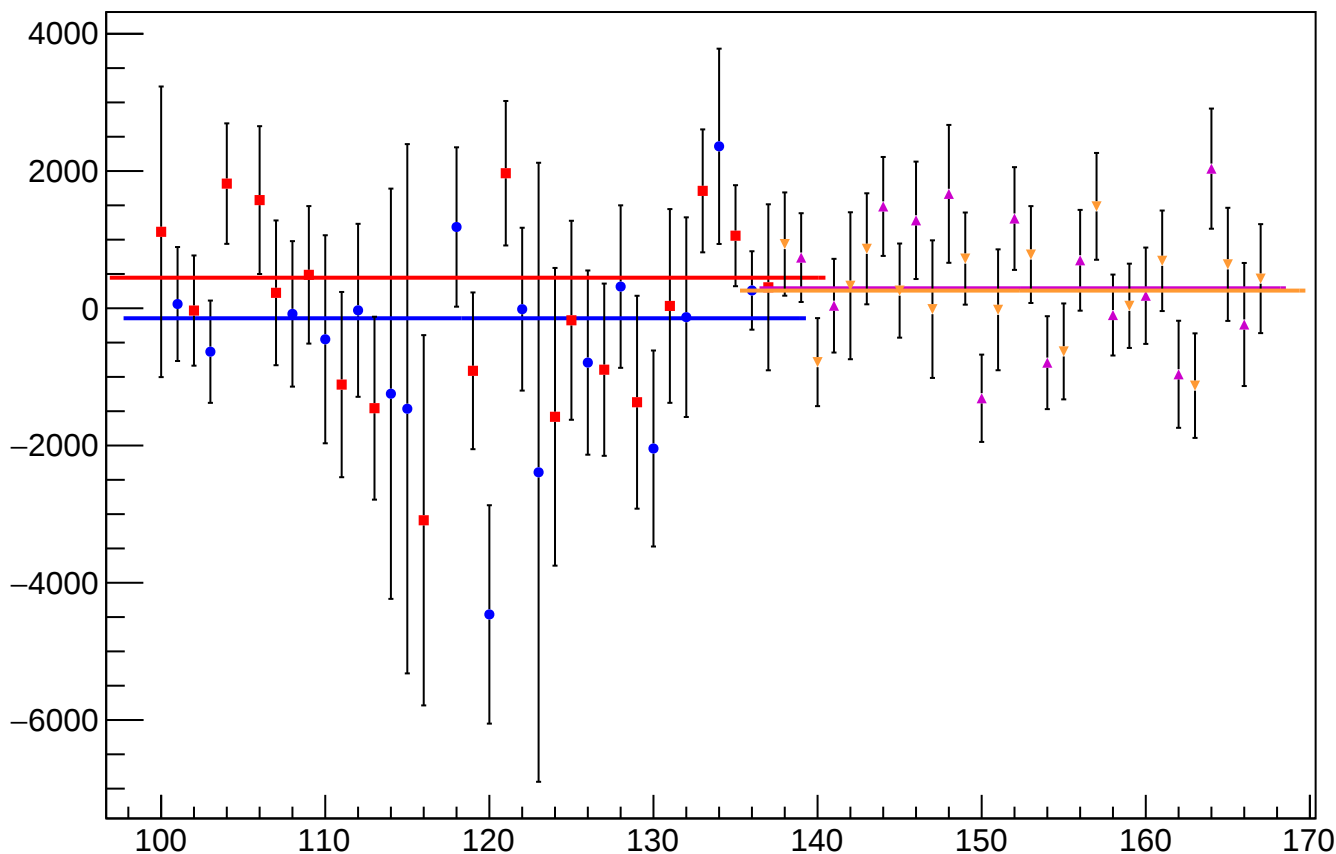
Left In: 107.036 $\pm$ 0.023 χ^2 /NDF:161059.2/13

+ sign 99.998 $\pm$ 0.016 χ^2 /NDF: 369880.2/32

All: 100.107 $\pm$ 0.012 χ^2 /NDF: 796970.1/65

- sign 100.220 $\pm$ 0.017 χ^2 /NDF: 427000.6/32

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 257.838 ± 188.217 χ^2/NDF : 13.4/15

Right Out: 445.575 ± 260.276 χ^2/NDF : 19.0/18

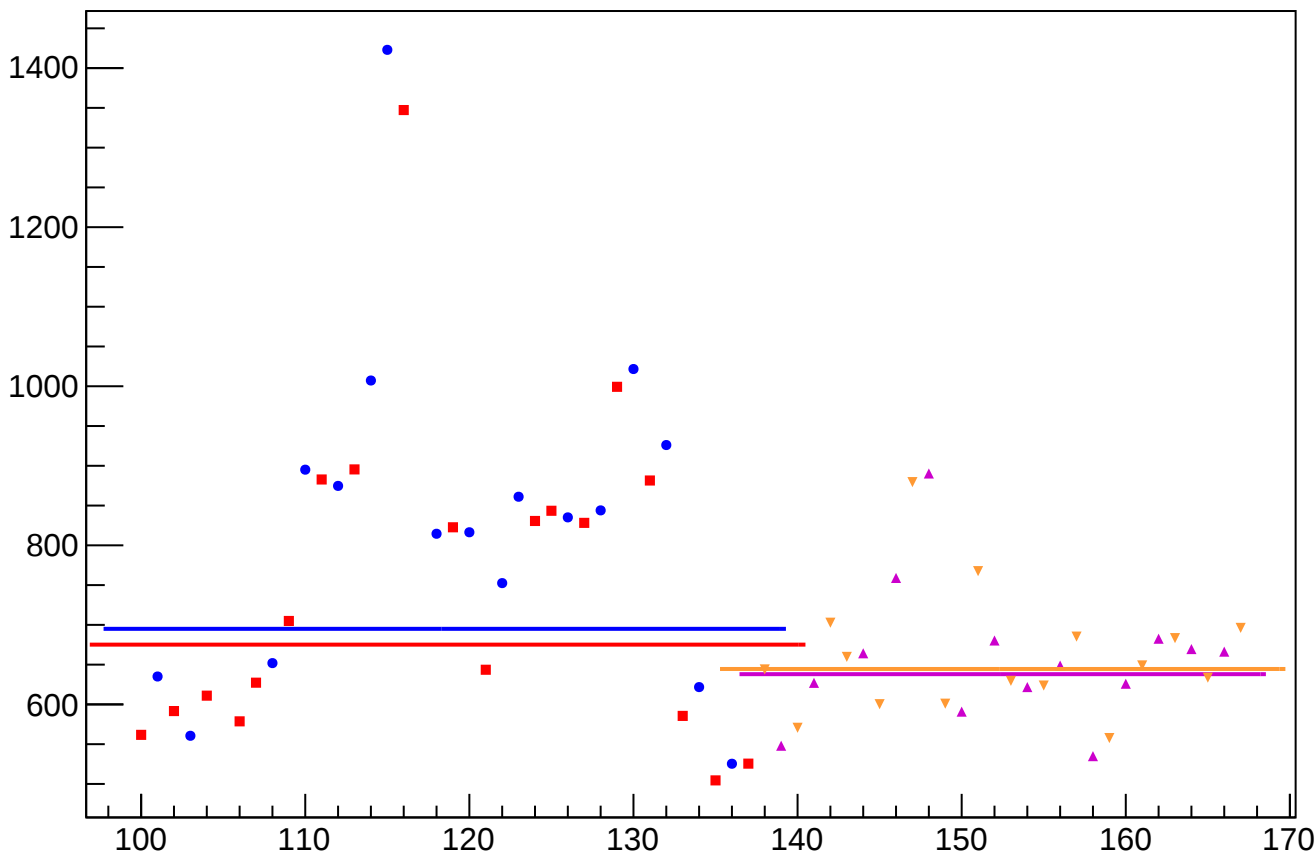
Left In: 291.309 ± 195.353 χ^2/NDF : 25.0/13

+ sign 130.216 ± 155.613 χ^2/NDF : 30.3/32

All: 238.121 ± 110.256 χ^2/NDF : 75.5/65

- sign 346.898 ± 156.240 χ^2/NDF : 44.2/32

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 ± 0.196 χ^2/NDF : 677713.0/16

Left Out: 644.544 ± 0.133 χ^2/NDF : 260986.7/15

Right Out: 675.151 ± 0.184 χ^2/NDF : 676394.1/18

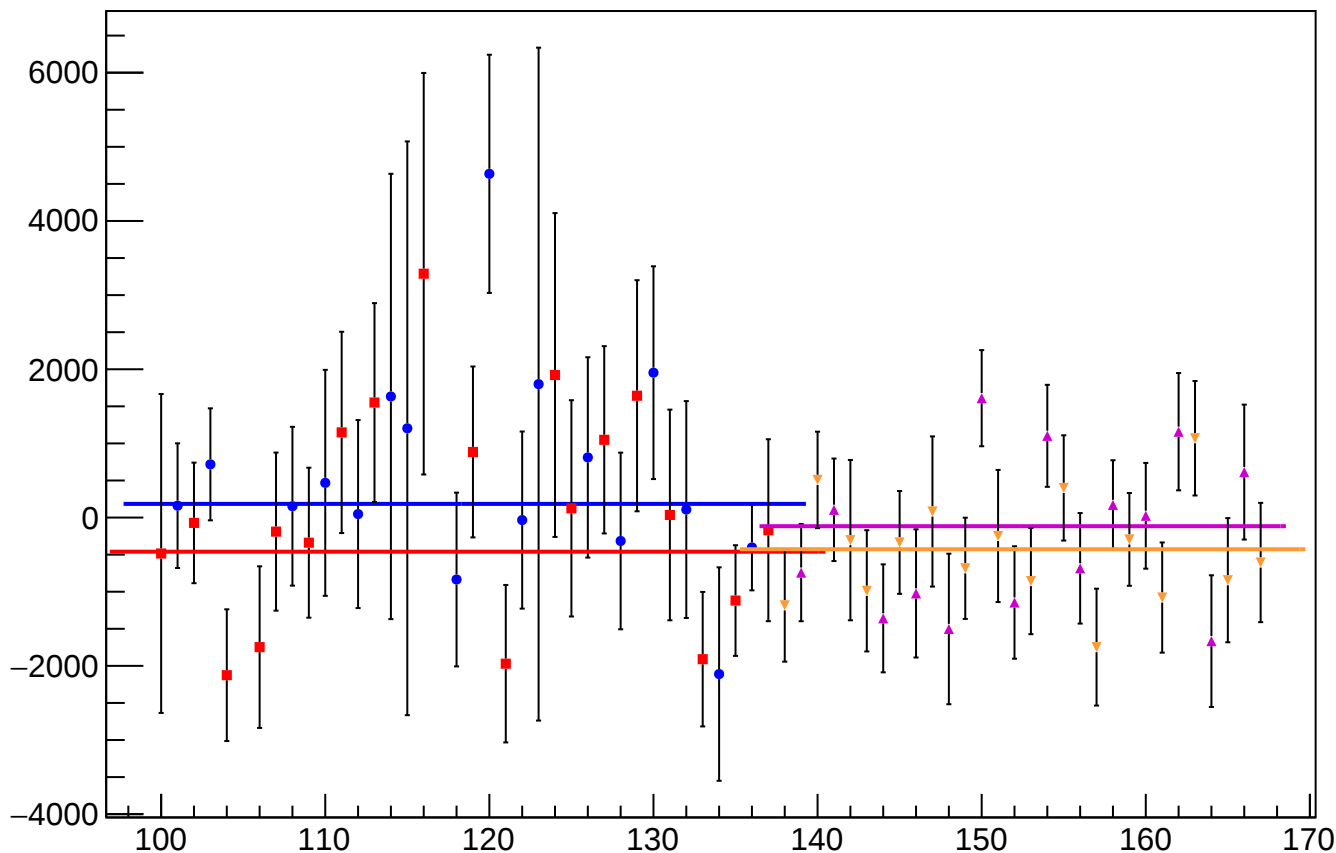
Left In: 638.020 ± 0.138 χ^2/NDF : 299759.0/13

+ sign 660.515 ± 0.110 χ^2/NDF : 984205.3/32

All: 655.976 ± 0.078 χ^2/NDF : 1989811.2/65

- sign 651.400 ± 0.110 χ^2/NDF : 1002188.7/32

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

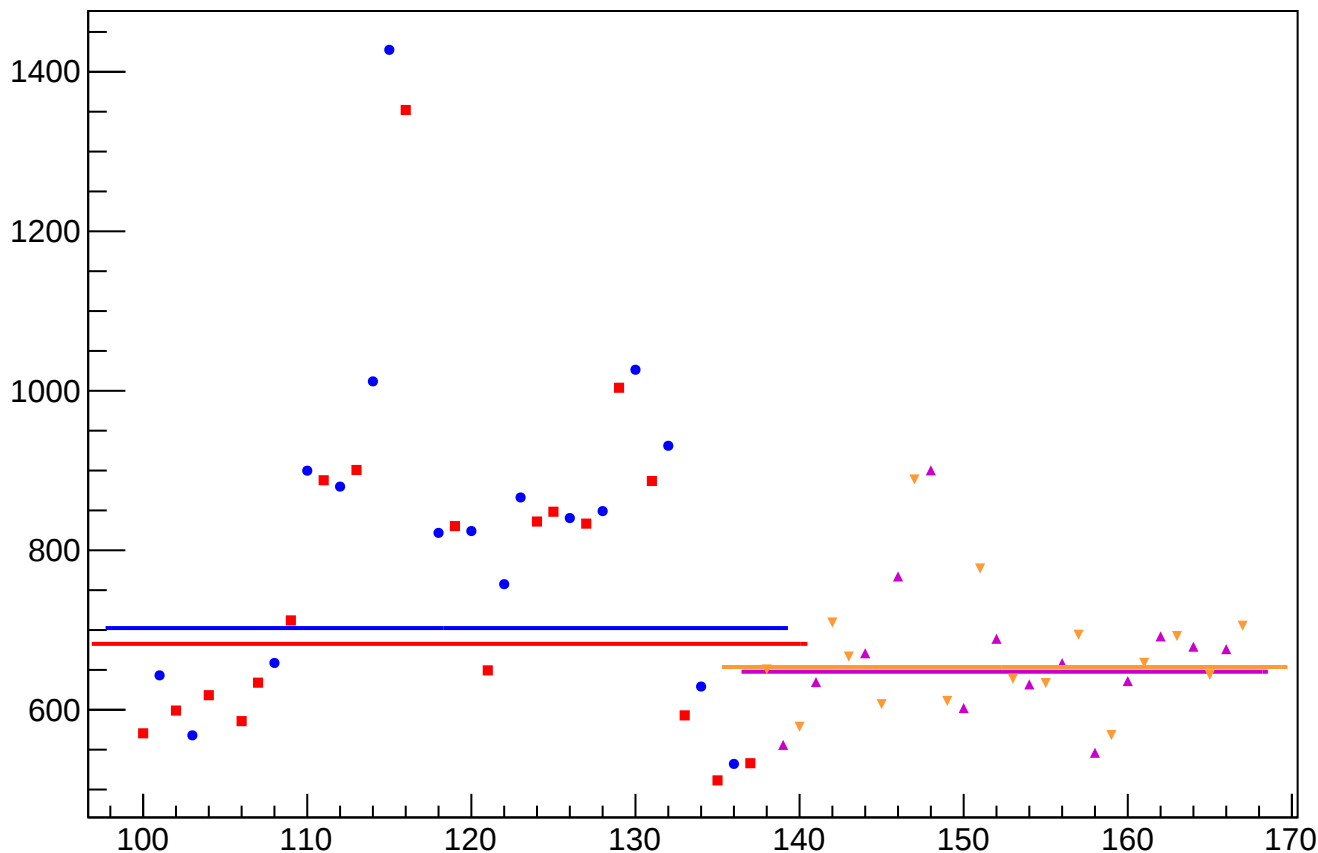
Left In: -116.390 ± 198.239 χ^2/NDF : 26.1/13

+ sign -232.423 ± 157.570 χ^2/NDF : 31.6/32

All: -236.677 ± 111.675 χ^2/NDF : 81.1/65

- sign -240.970 ± 158.296 χ^2/NDF : 49.5/32

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

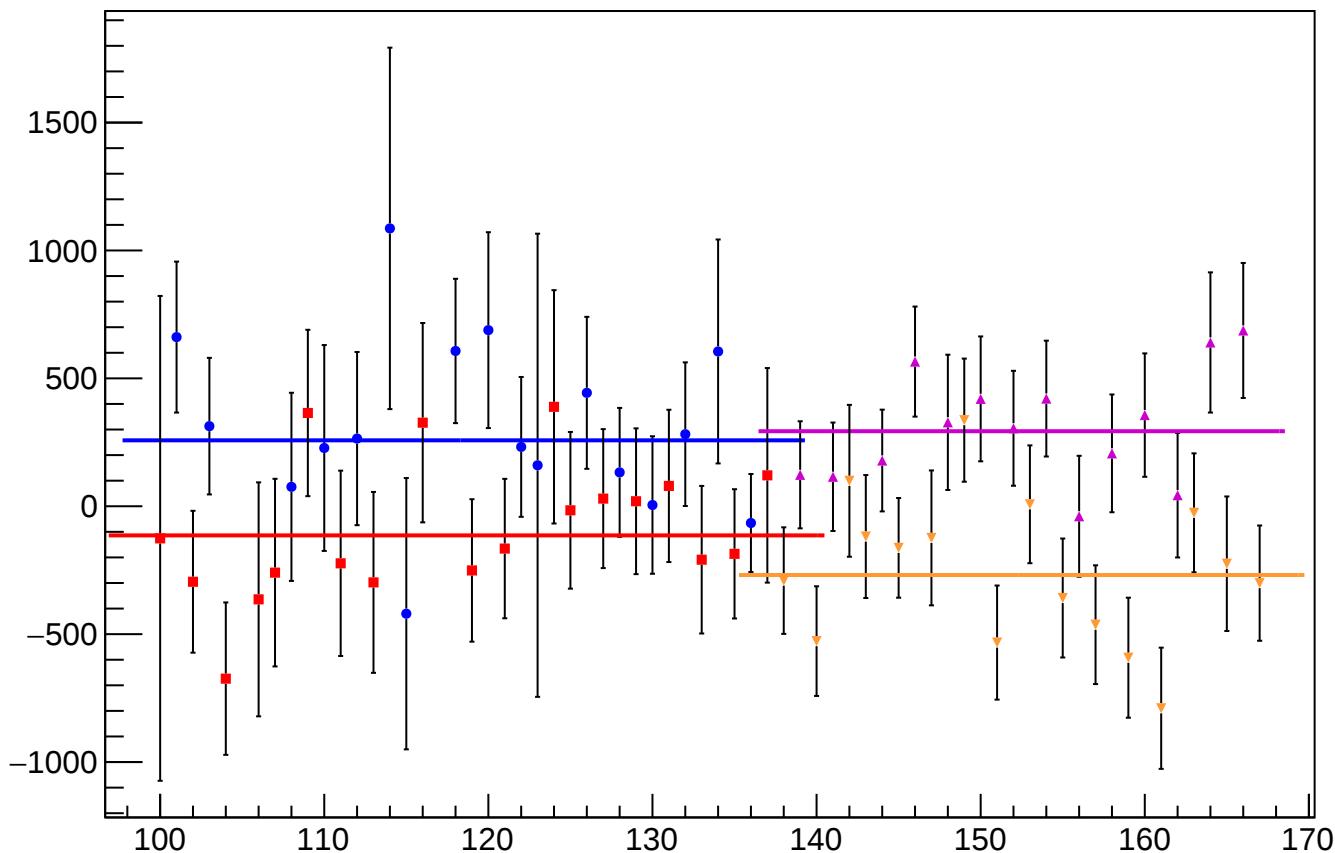
Left In: 647.698 $\pm$ 0.140 χ^2 /NDF:289422.6/13

+ sign 669.177 $\pm$ 0.111 χ^2 /NDF: 956309.2/32

All: 664.793 $\pm$ 0.079 χ^2 /NDF: 1930908.8/65

- sign 660.368 $\pm$ 0.112 χ^2 /NDF: 971488.9/32

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -268.834 $\pm$ 58.116 χ^2 /NDF:21.9/15

Right Out: -113.851 $\pm$ 74.211 χ^2 /NDF: 11.2/18

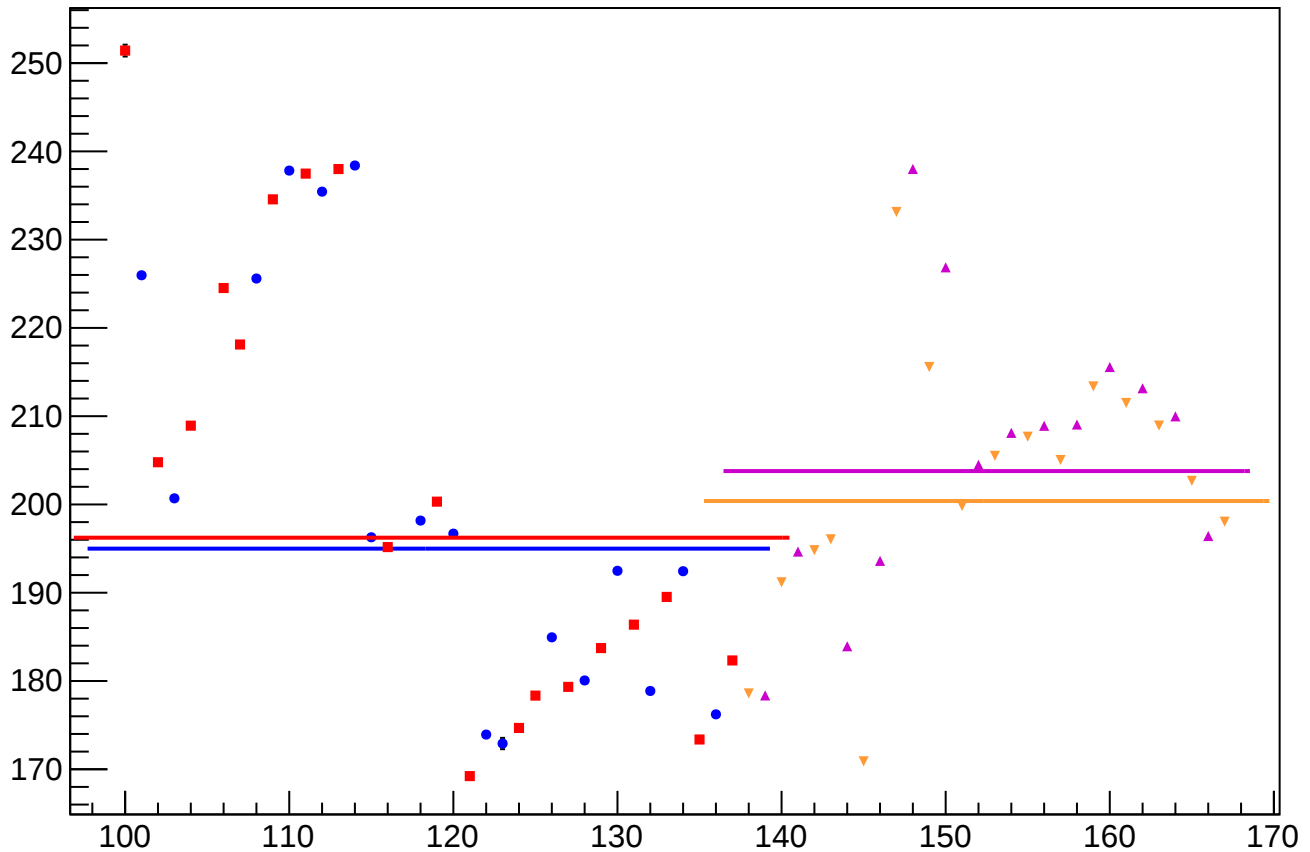
Left In: 293.427 $\pm$ 61.912 χ^2 /NDF:11.0/13

+ sign -74.324 $\pm$ 46.150 χ^2 /NDF: 65.2/32

All: 23.006 $\pm$ 33.114 χ^2 /NDF: 114.4/65

- sign 126.288 $\pm$ 47.540 χ^2 /NDF: 40.0/32

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 ± 0.054 χ^2/NDF : 144271.1/16

Left Out: 200.390 ± 0.041 χ^2/NDF : 128918.1/15

Right Out: 196.235 ± 0.052 χ^2/NDF : 173491.6/18

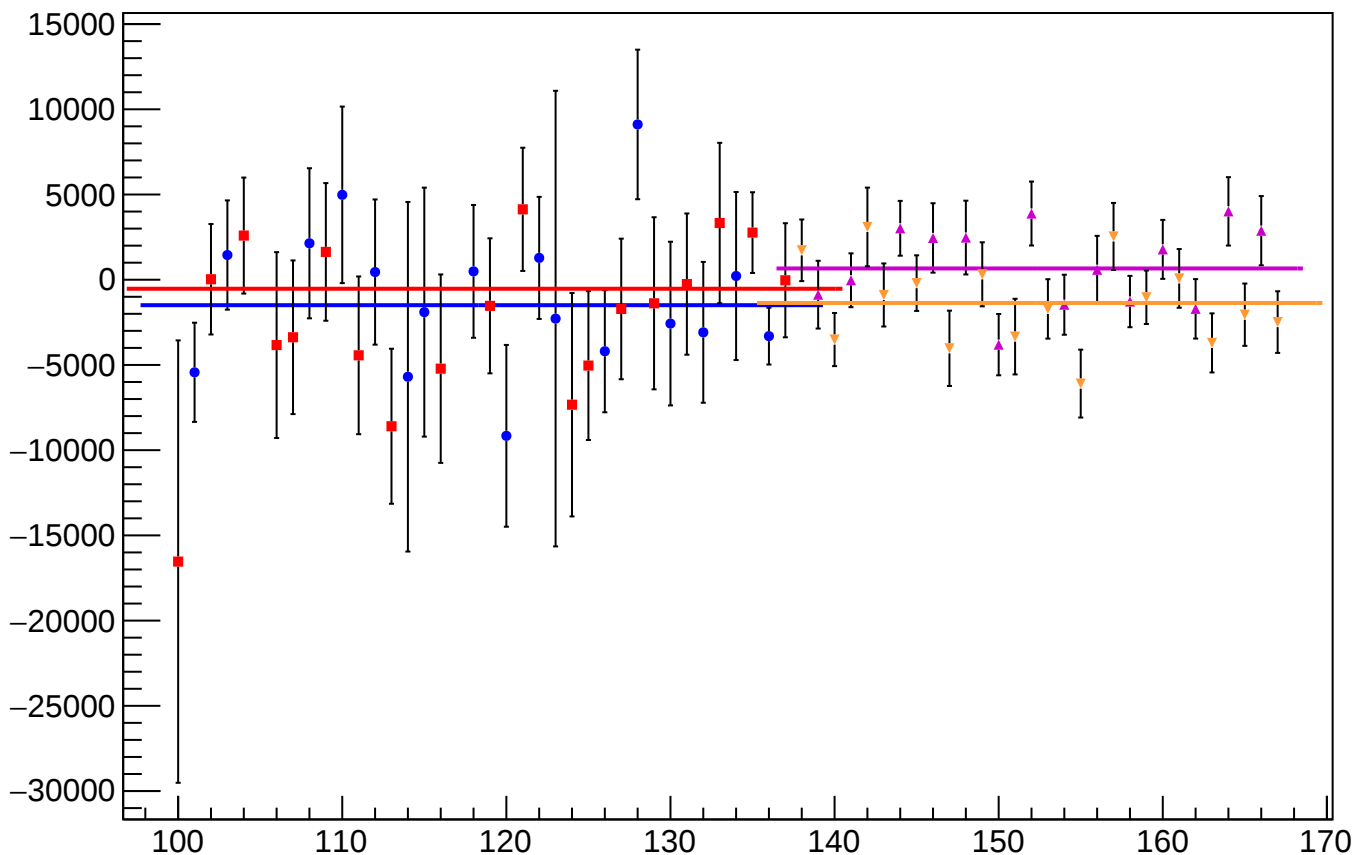
Left In: 203.782 ± 0.044 χ^2/NDF : 122034.5/13

+ sign 198.397 ± 0.033 χ^2/NDF : 279558.8/32

All: 199.507 ± 0.023 χ^2/NDF : 589666.8/65

- sign 200.685 ± 0.034 χ^2/NDF : 307723.2/32

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

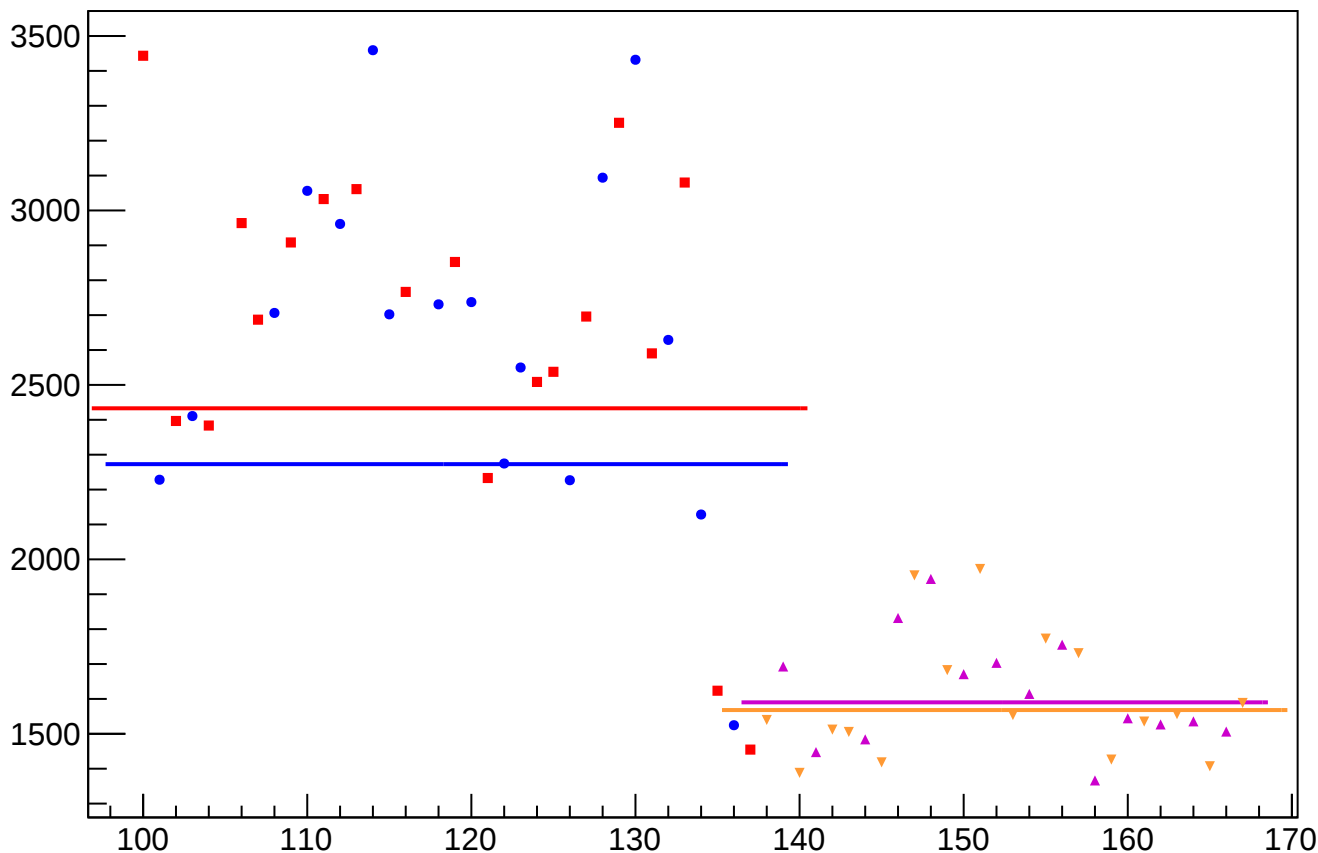
Left In: 661.170 $\pm$ 484.610 χ^2/NDF : 22.9/13

+ sign -1389.511 $\pm$ 408.567 χ^2/NDF : 41.0/32

All: -536.624 $\pm$ 296.261 χ^2/NDF : 89.1/65

- sign 409.083 $\pm$ 430.225 χ^2/NDF : 38.8/32

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883 $\pm$ 0.644 χ^2/NDF : 805650.3/16

Left Out: 1568.095 $\pm$ 0.323 χ^2/NDF : 250419.9/15

Right Out: 2432.950 $\pm$ 0.661 χ^2/NDF : 680783.9/18

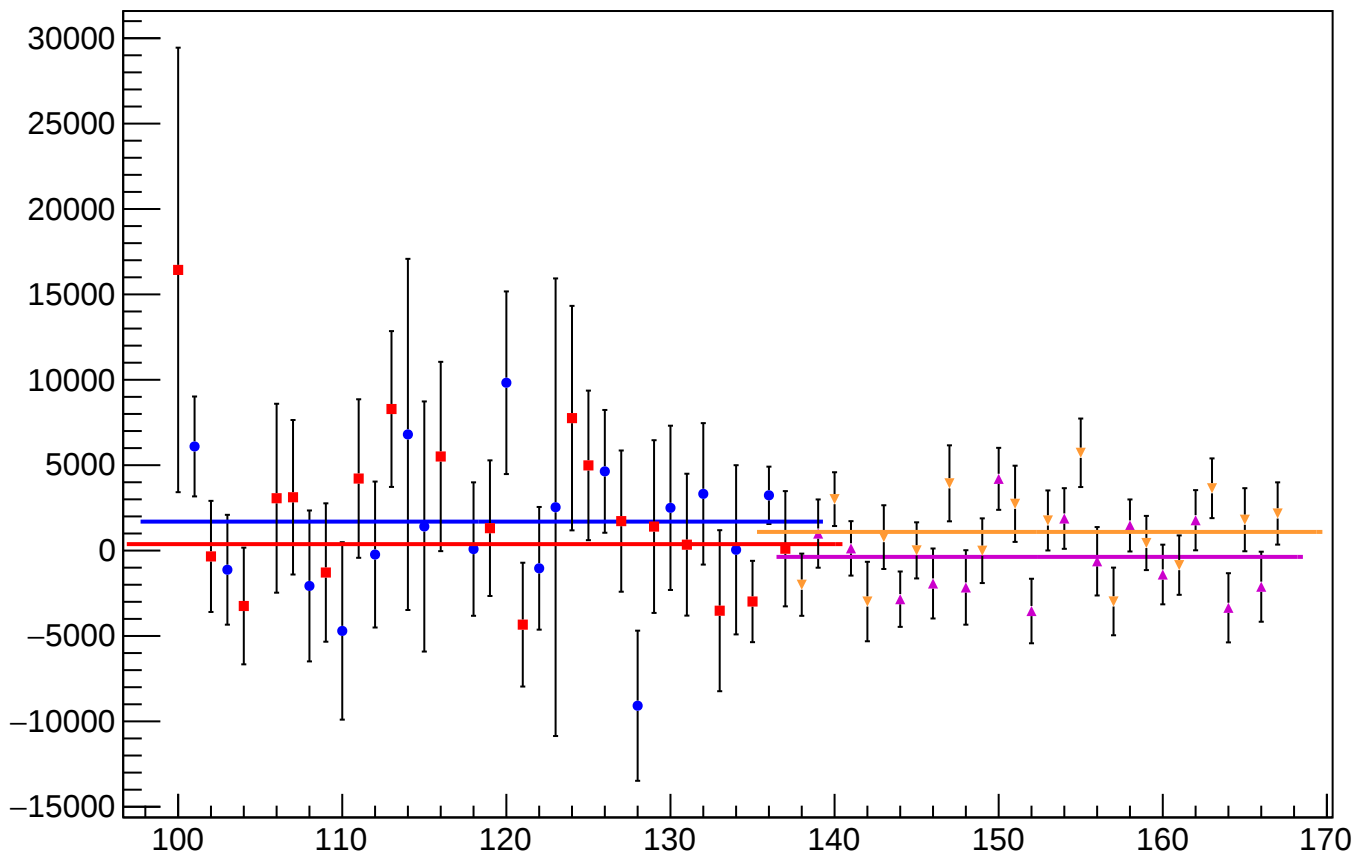
Left In: 1590.180 $\pm$ 0.343 χ^2/NDF : 190598.9/13

+ sign 1709.905 $\pm$ 0.289 χ^2/NDF : 2012609.0/32

All: 1737.796 $\pm$ 0.209 χ^2/NDF : 4185078.1/65

- sign 1768.722 $\pm$ 0.304 χ^2/NDF : 2152814.5/32

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

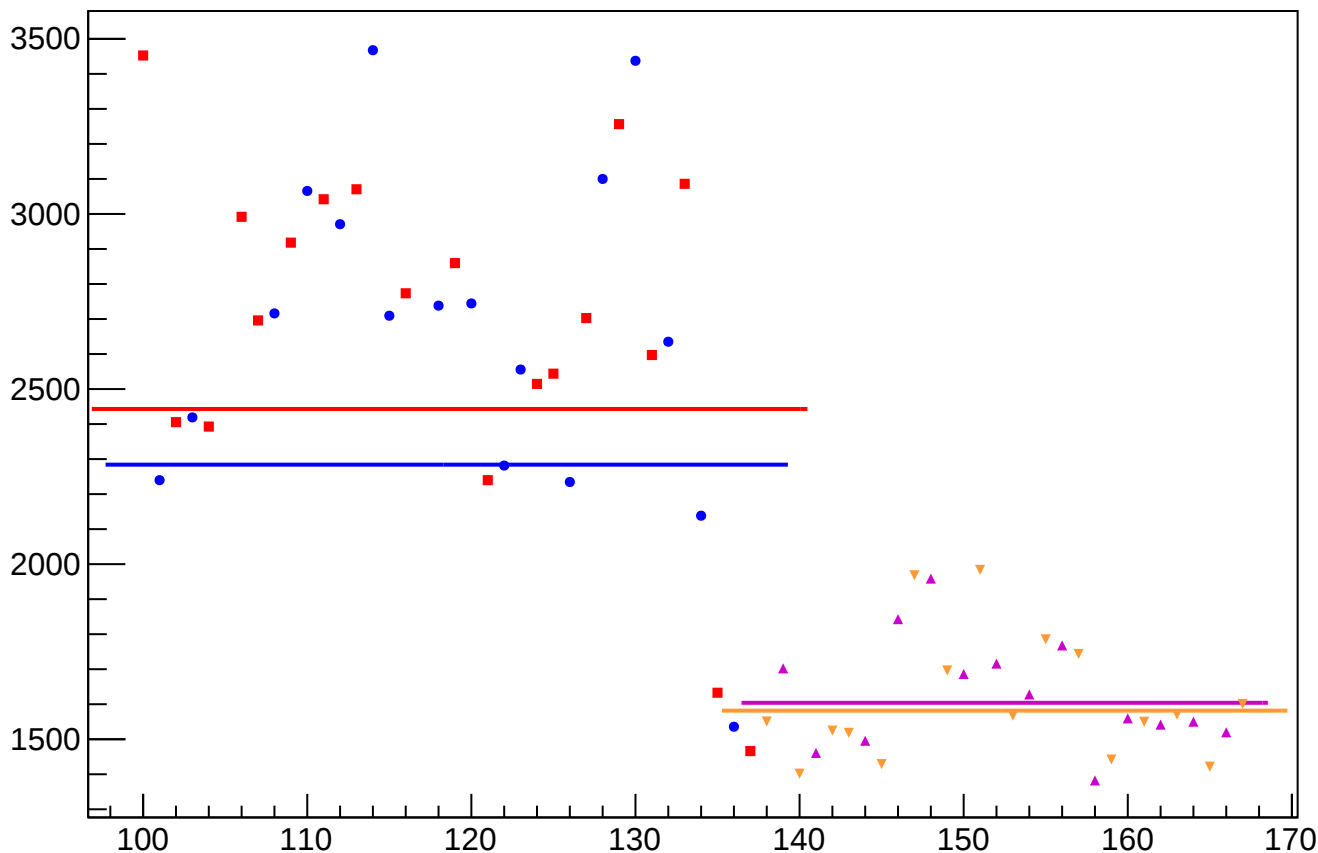
Left In: -369.241 $\pm$ 488.777 χ^2 /NDF:21.1/13

+ sign 1214.970 $\pm$ 411.698 χ^2 /NDF: 41.1/32

All: 539.286 $\pm$ 298.528 χ^2 /NDF: 83.4/65

- sign -209.892 $\pm$ 433.511 χ^2 /NDF: 36.6/32

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

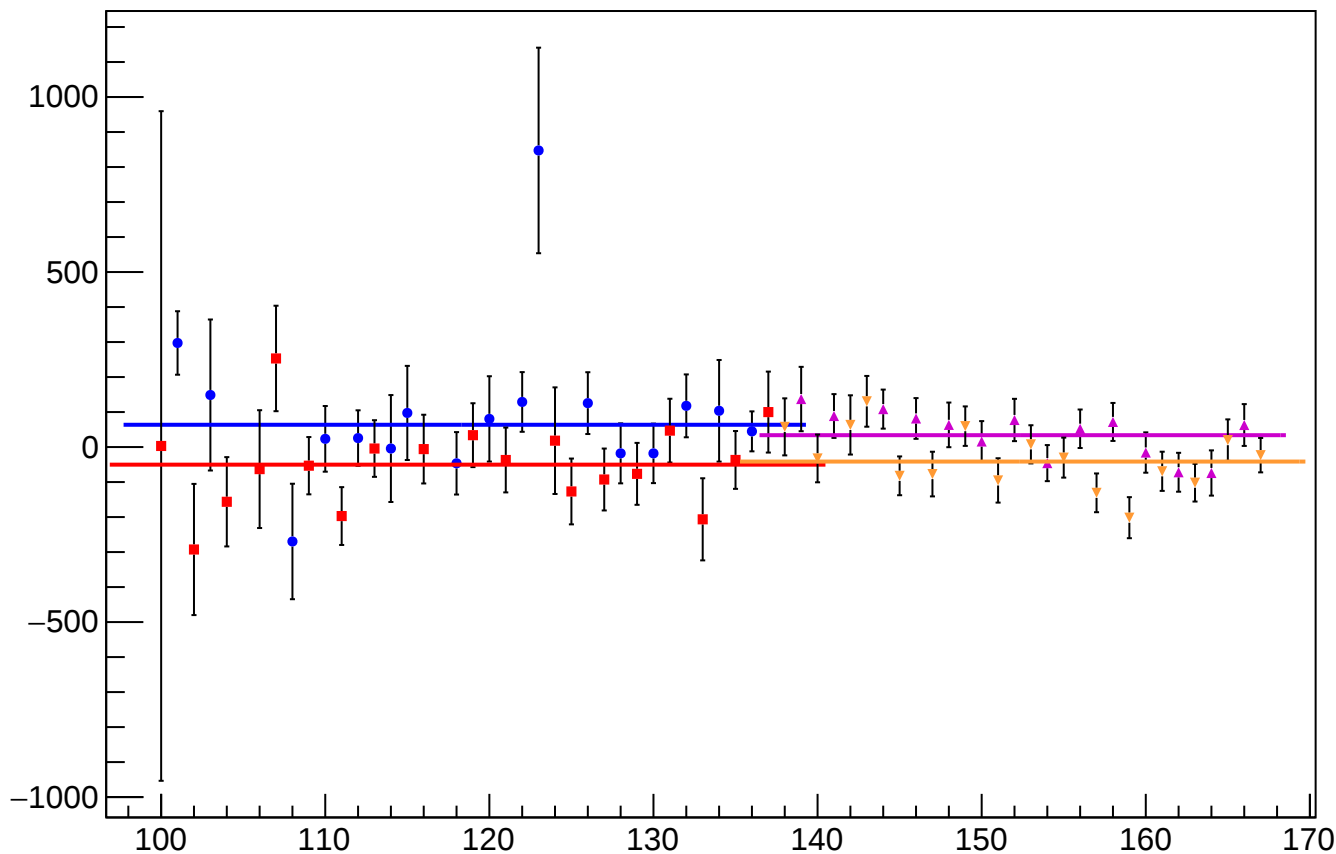
Left In: 1604.124+/-0.346 χ^2/NDF : 185884.5/13

+ sign 1723.936+/-0.291 χ^2/NDF : 1979925.7/32

All: 1752.006+/-0.211 χ^2/NDF : 4115612.6/65

- sign 1783.130+/-0.307 χ^2/NDF : 2116080.6/32

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

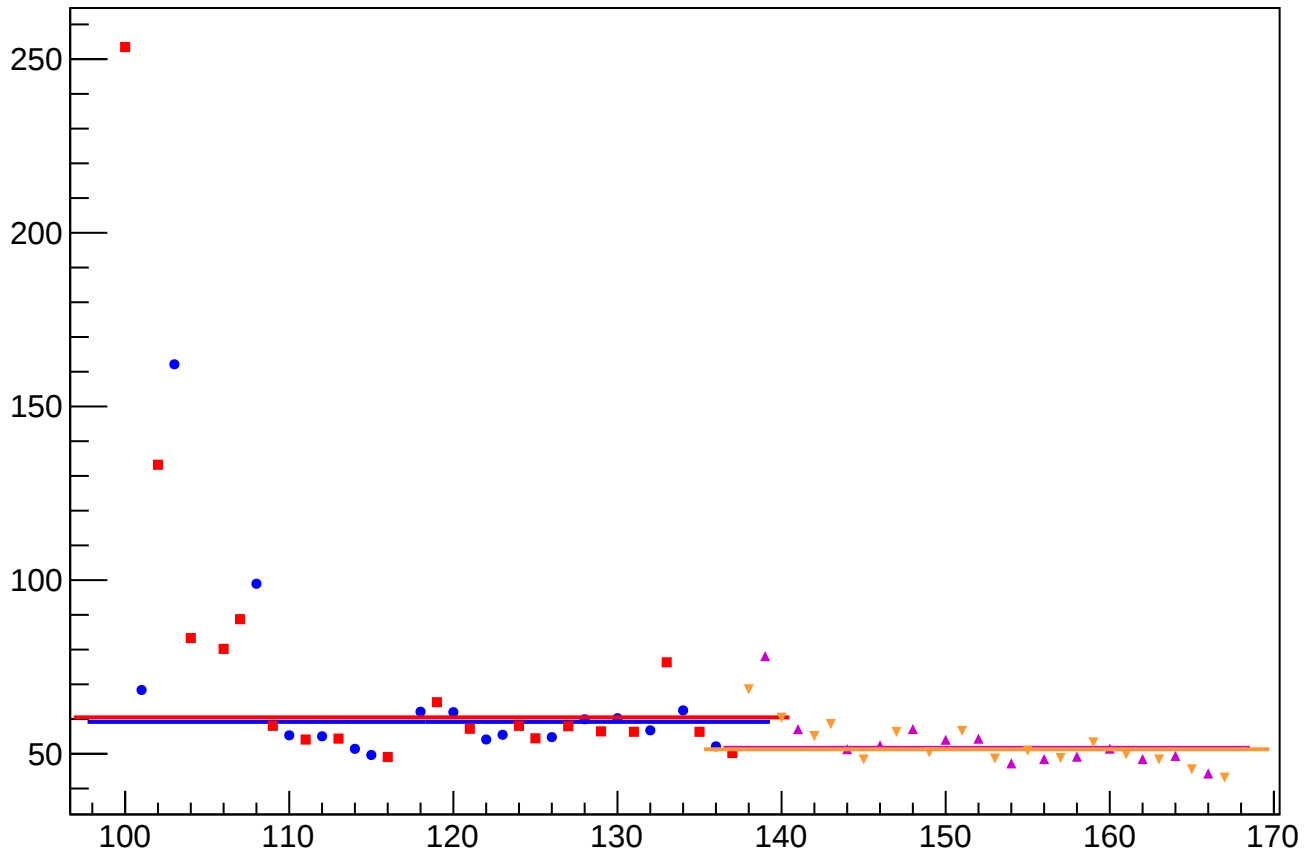
Left In: 33.914 ± 15.817 χ^2/NDF : 15.7/13

+ sign -11.490 ± 12.673 χ^2/NDF : 64.8/32

All: -2.147 ± 9.125 χ^2/NDF : 107.2/65

- sign 7.912 ± 13.149 χ^2/NDF : 41.3/32

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

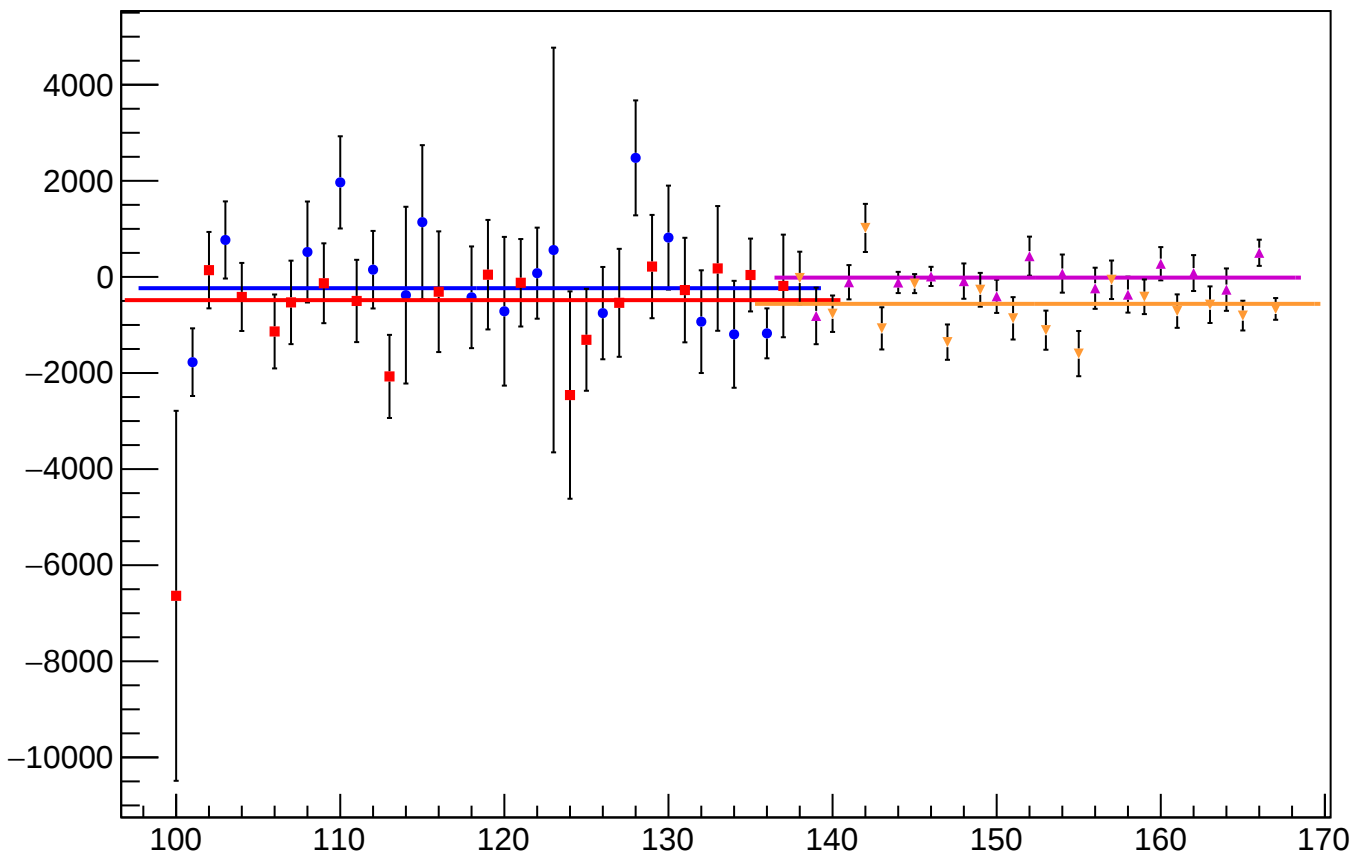
Left In: 51.712 $\pm$ 0.011 χ^2 /NDF: 267975.6/13

+ sign 53.549 $\pm$ 0.009 χ^2 /NDF: 1098466.9/32

All: 53.969 $\pm$ 0.006 χ^2 /NDF: 2241031.5/65

- sign 54.421 $\pm$ 0.009 χ^2 /NDF: 1138008.2/32

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

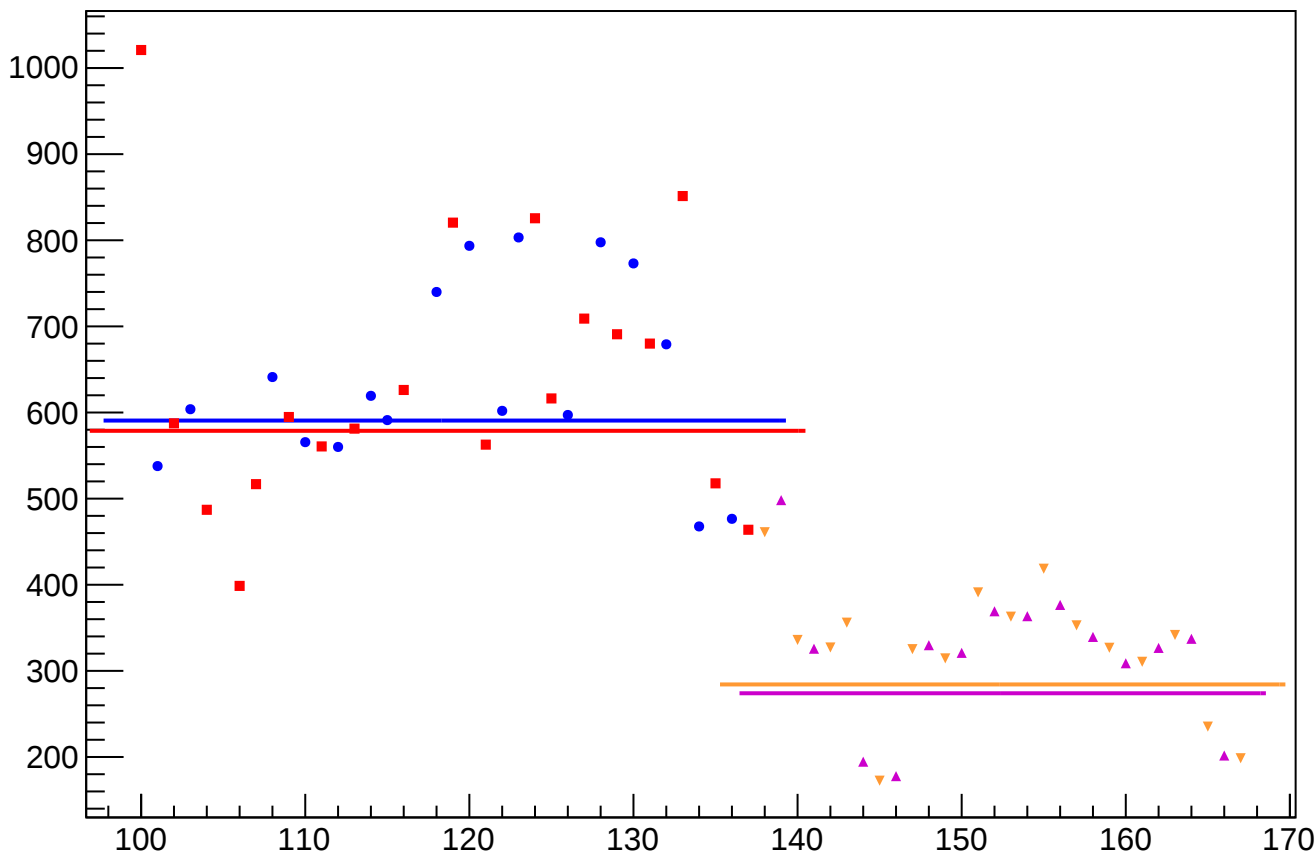
Left In: -14.657 ± 87.277 χ^2/NDF : 10.5/13

+ sign -521.757 ± 80.715 χ^2/NDF : 58.3/32

All: -300.944 ± 57.259 χ^2/NDF : 98.3/65

- sign -77.241 ± 81.241 χ^2/NDF : 24.9/32

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

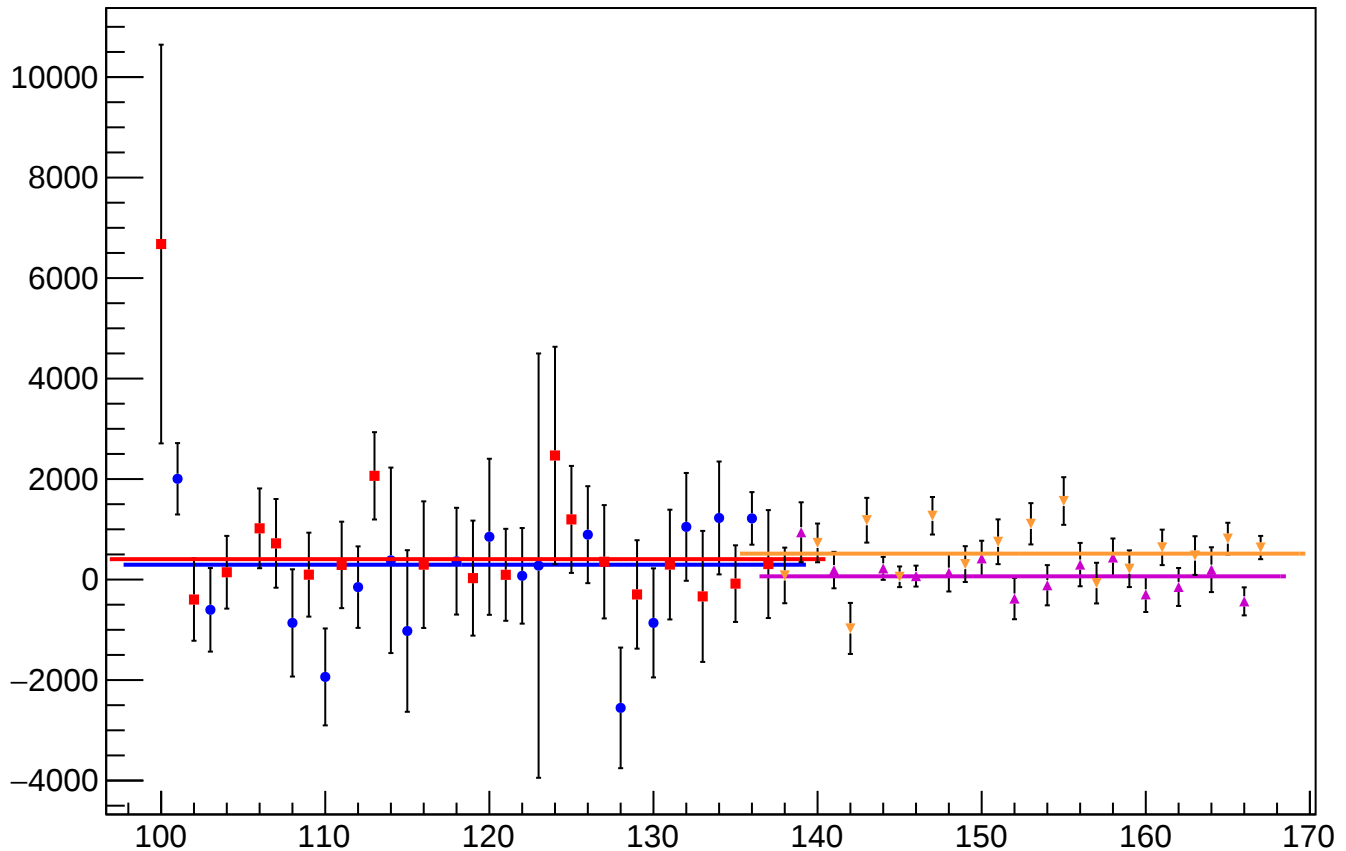
Left In: 273.995 $\pm$ 0.062 χ^2 /NDF:1769152.5/13

+ sign 320.740 $\pm$ 0.057 χ^2 /NDF: 5202918.8/32

All: 317.736 $\pm$ 0.040 χ^2 /NDF: 10728127.9/65

- sign 314.693 $\pm$ 0.057 χ^2 /NDF: 5519632.3/32

asym_sam_37_dd_mean vs Slug



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 516.135 $\pm$ 87.664 χ^2 /NDF: 32.5/15

Right Out: 406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

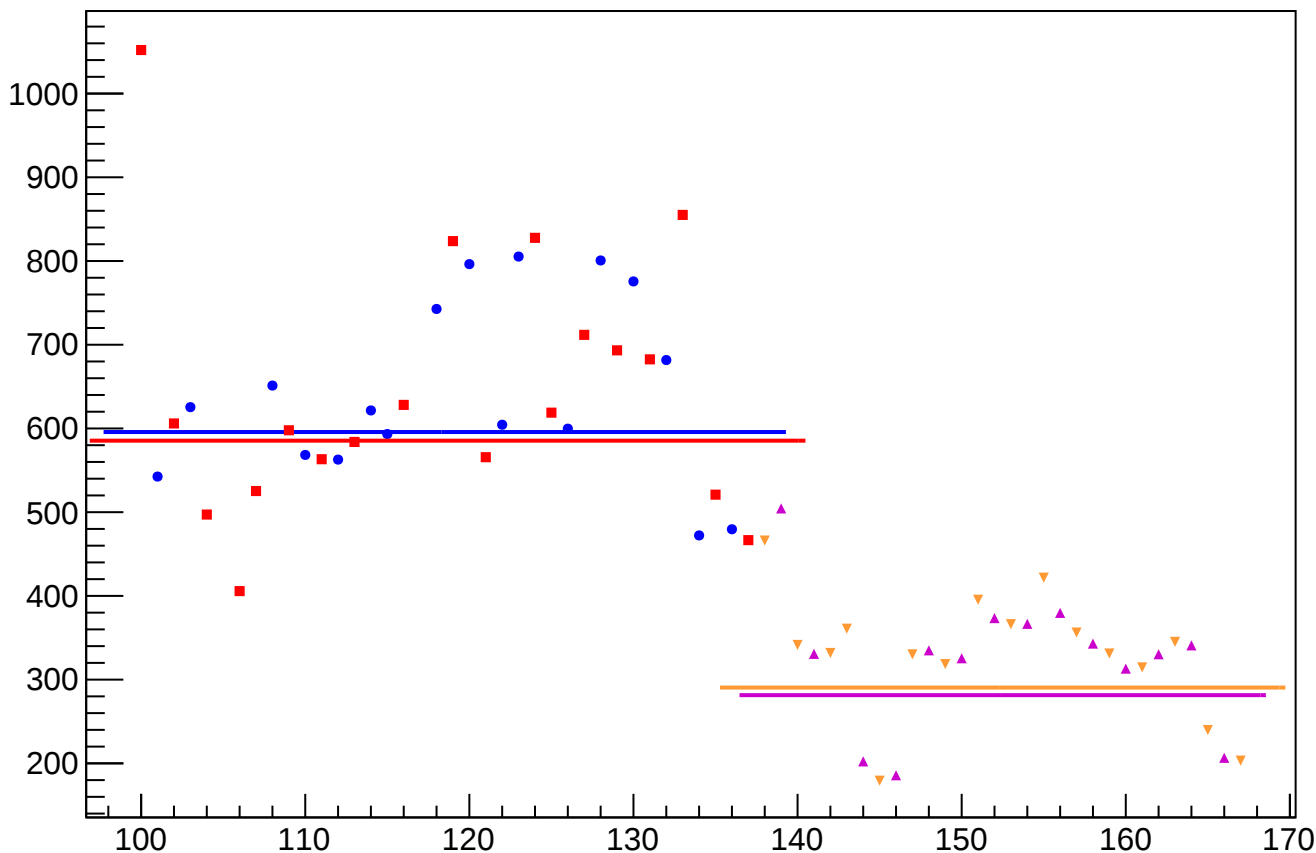
Left In: 64.275 $\pm$ 89.299 χ^2 /NDF: 11.1/13

+ sign 489.343 $\pm$ 82.172 χ^2 /NDF: 59.4/32

All: 301.979 $\pm$ 58.393 χ^2 /NDF: 94.0/65

- sign 110.851 $\pm$ 82.993 χ^2 /NDF: 24.1/32

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

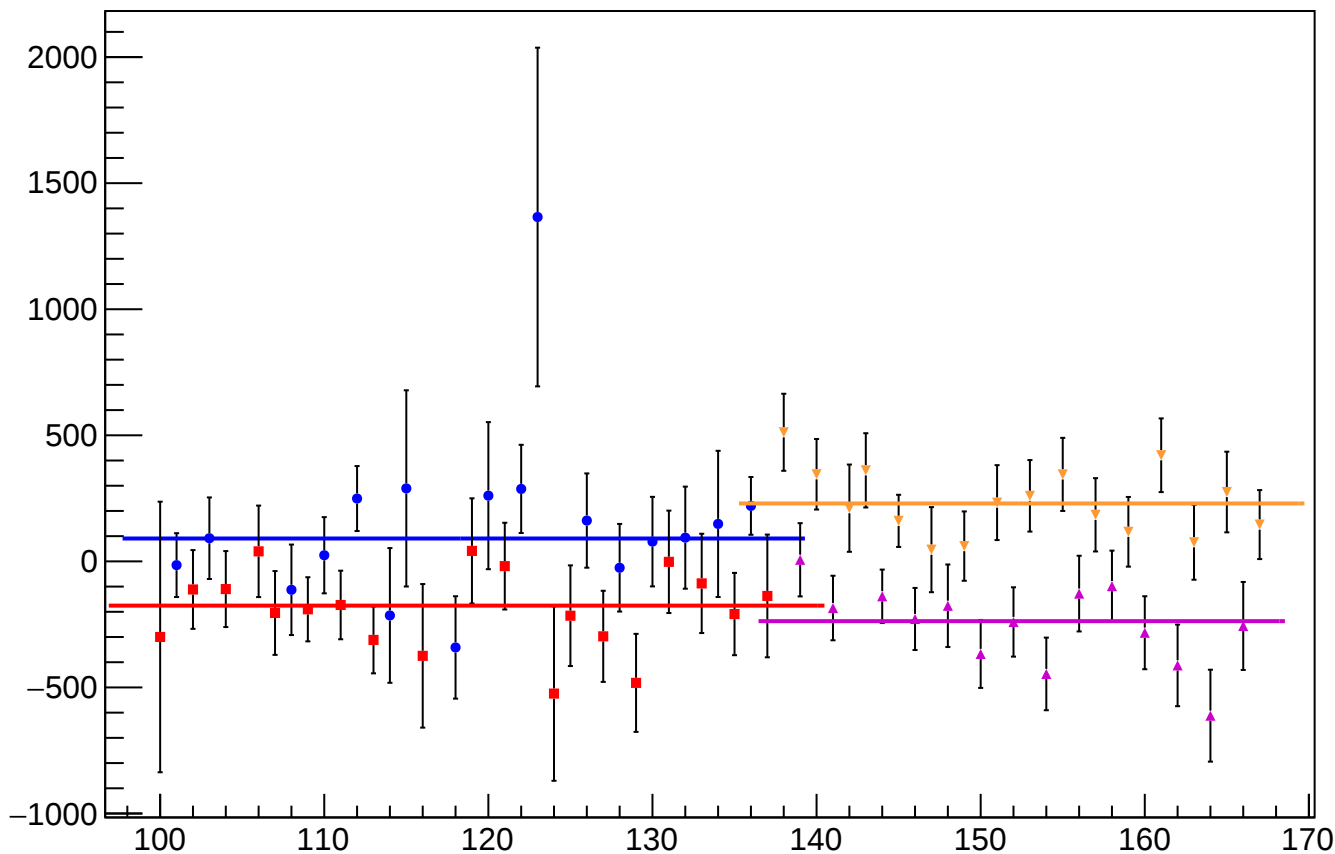
Left In: 281.451 $\pm$ 0.063 χ^2 /NDF:1627700.9/13

+ sign 327.570 $\pm$ 0.058 χ^2 /NDF: 5006657.0/32

All: 325.239 $\pm$ 0.041 χ^2 /NDF: 10269165.8/65

- sign 322.861 $\pm$ 0.059 χ^2 /NDF: 5259257.5/32

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

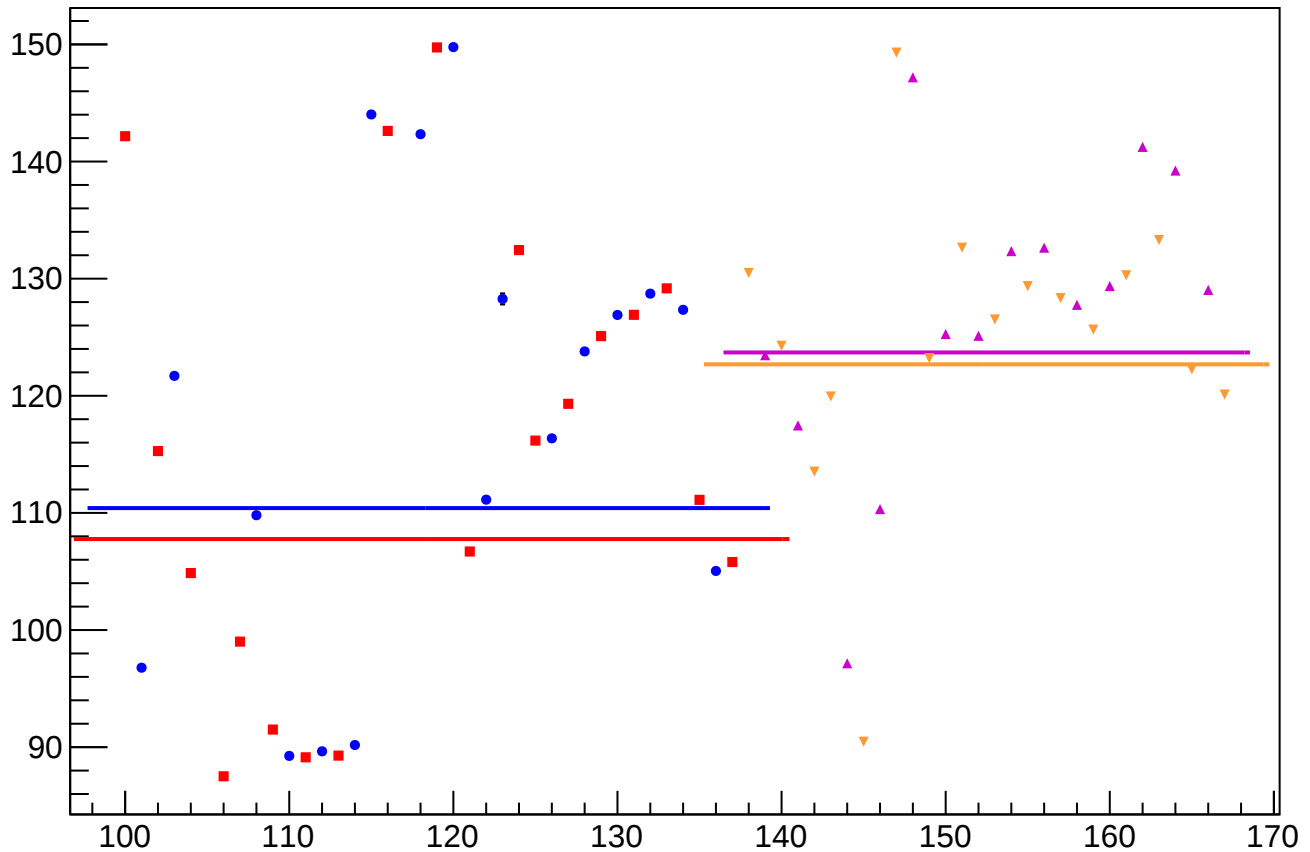
Left In: -237.074+/-37.774 χ^2/NDF :14.1/13

+ sign 173.355+/-27.577 χ^2/NDF : 35.7/32

All: -16.138+/-19.583 χ^2/NDF : 156.6/65

- sign -208.873+/-27.812 χ^2/NDF : 25.6/32

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

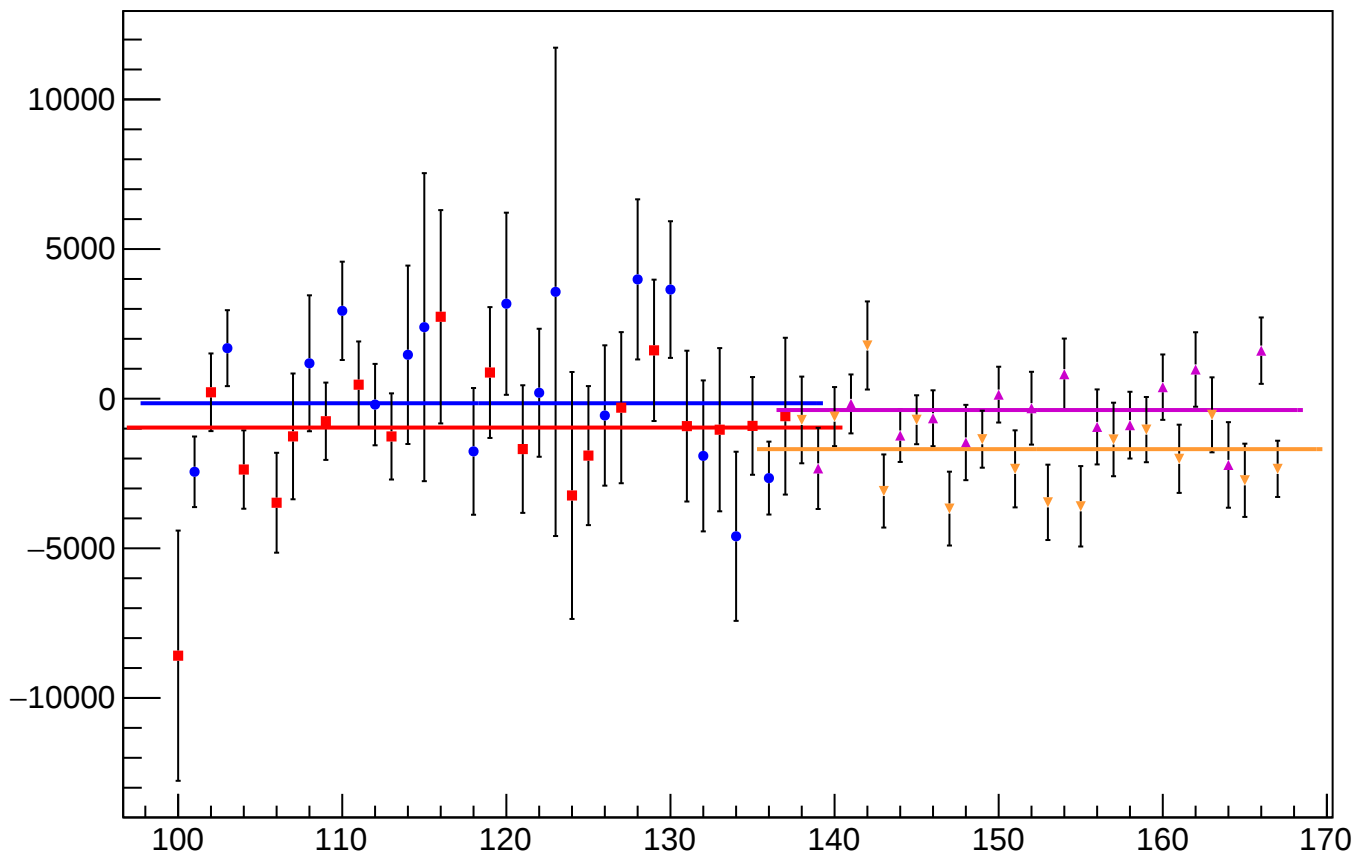
Left In: 123.699 $\pm$ 0.027 χ^2 /NDF: 254657.3/13

+ sign 117.710 $\pm$ 0.020 χ^2 /NDF: 682510.2/32

All: 117.063 $\pm$ 0.014 χ^2 /NDF: 1446732.9/65

- sign 116.404 $\pm$ 0.020 χ^2 /NDF: 762001.2/32

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

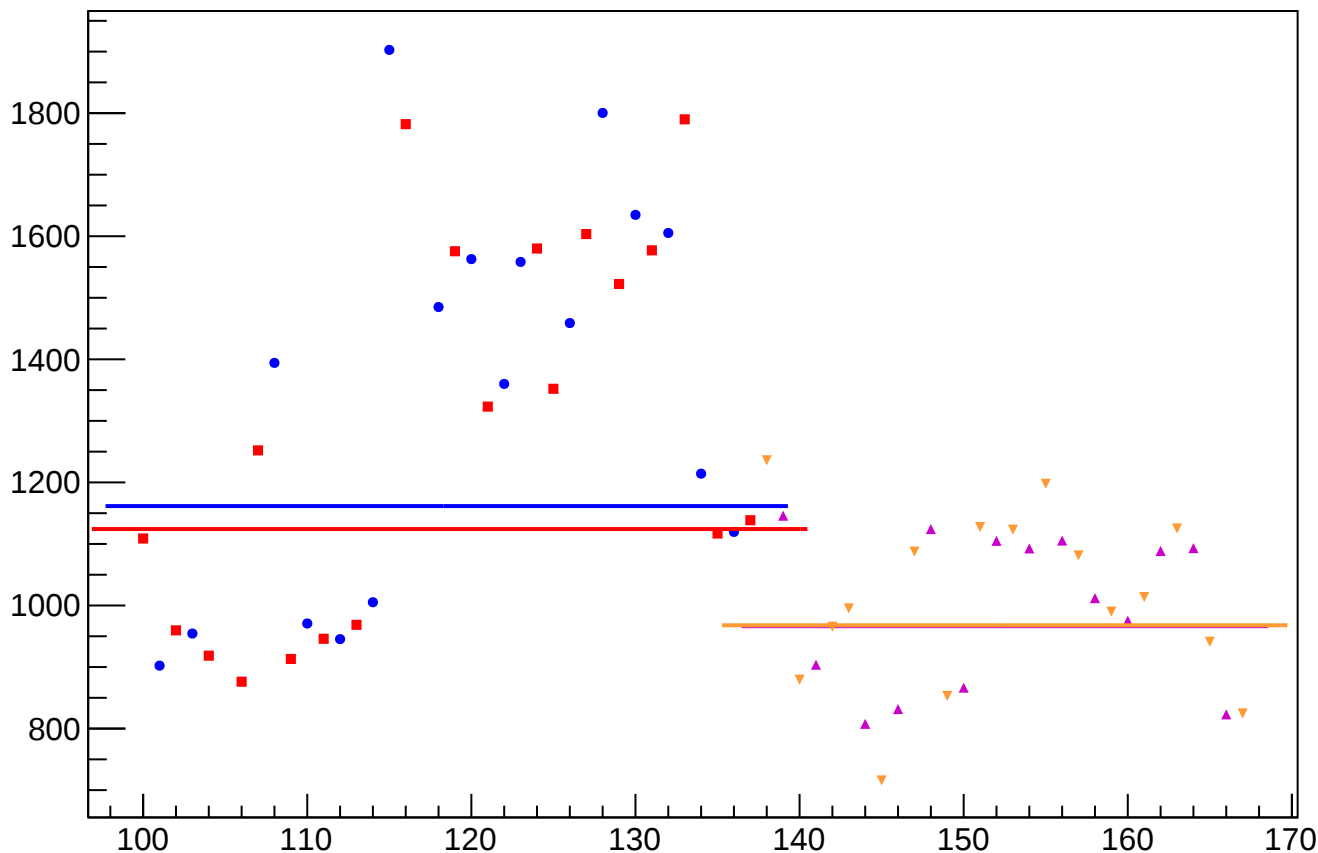
Left In: -379.233 ± 296.270 χ^2/NDF : 12.1/13

+ sign -1268.784 ± 242.407 χ^2/NDF : 52.1/32

All: -920.327 ± 172.279 χ^2/NDF : 81.9/65

- sign -564.696 ± 244.890 χ^2/NDF : 25.6/32

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 967.887 $\pm$ 0.201 χ^2 /NDF: 543440.1/15

Right Out: 1124.235 $\pm$ 0.308 χ^2 /NDF: 767790.0/18

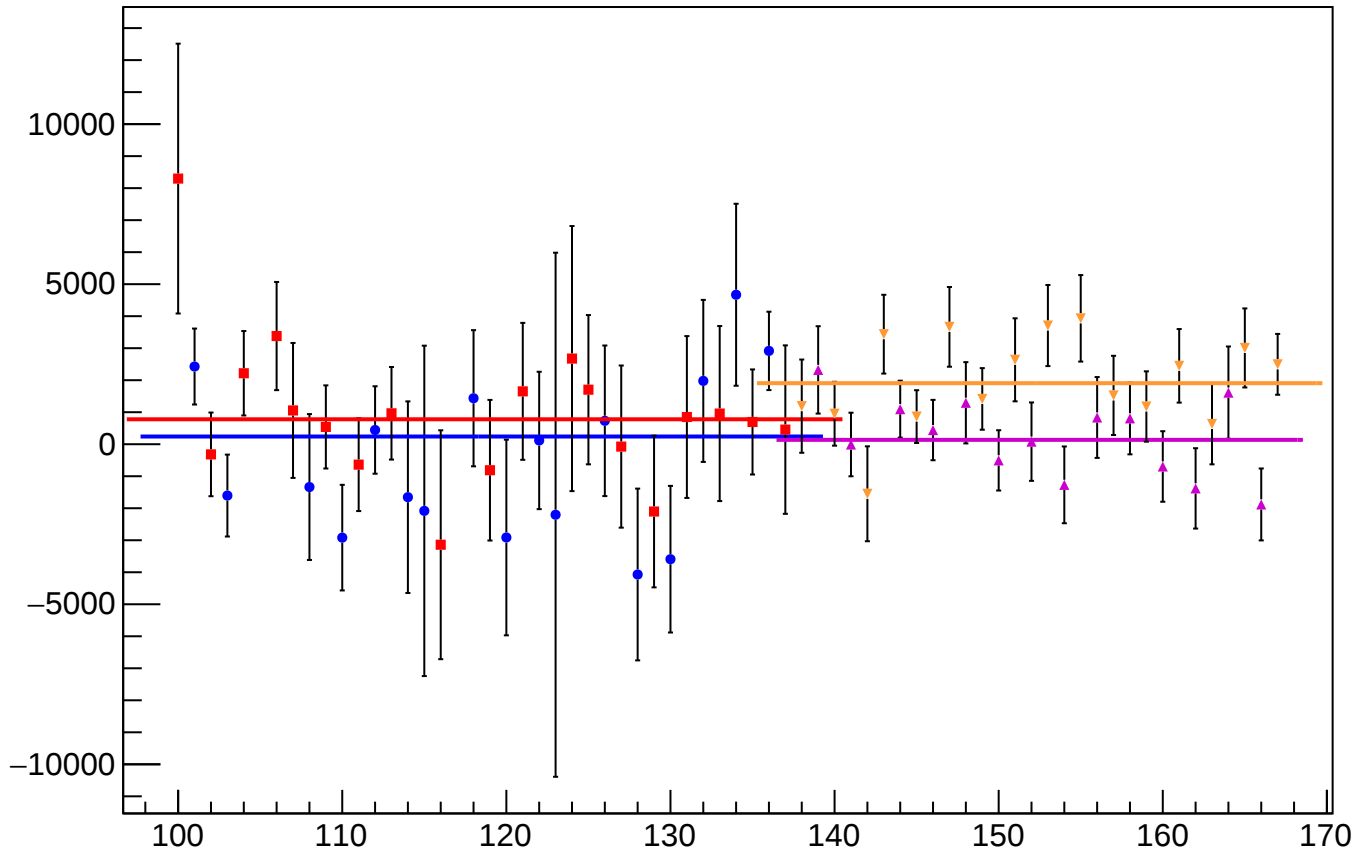
Left In: 966.396 $\pm$ 0.209 χ^2 /NDF: 348687.0/13

+ sign 1020.568 $\pm$ 0.171 χ^2 /NDF: 1492097.9/32

All: 1018.502 $\pm$ 0.122 χ^2 /NDF: 2788682.8/65

- sign 1016.394 $\pm$ 0.173 χ^2 /NDF: 1296291.5/32

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

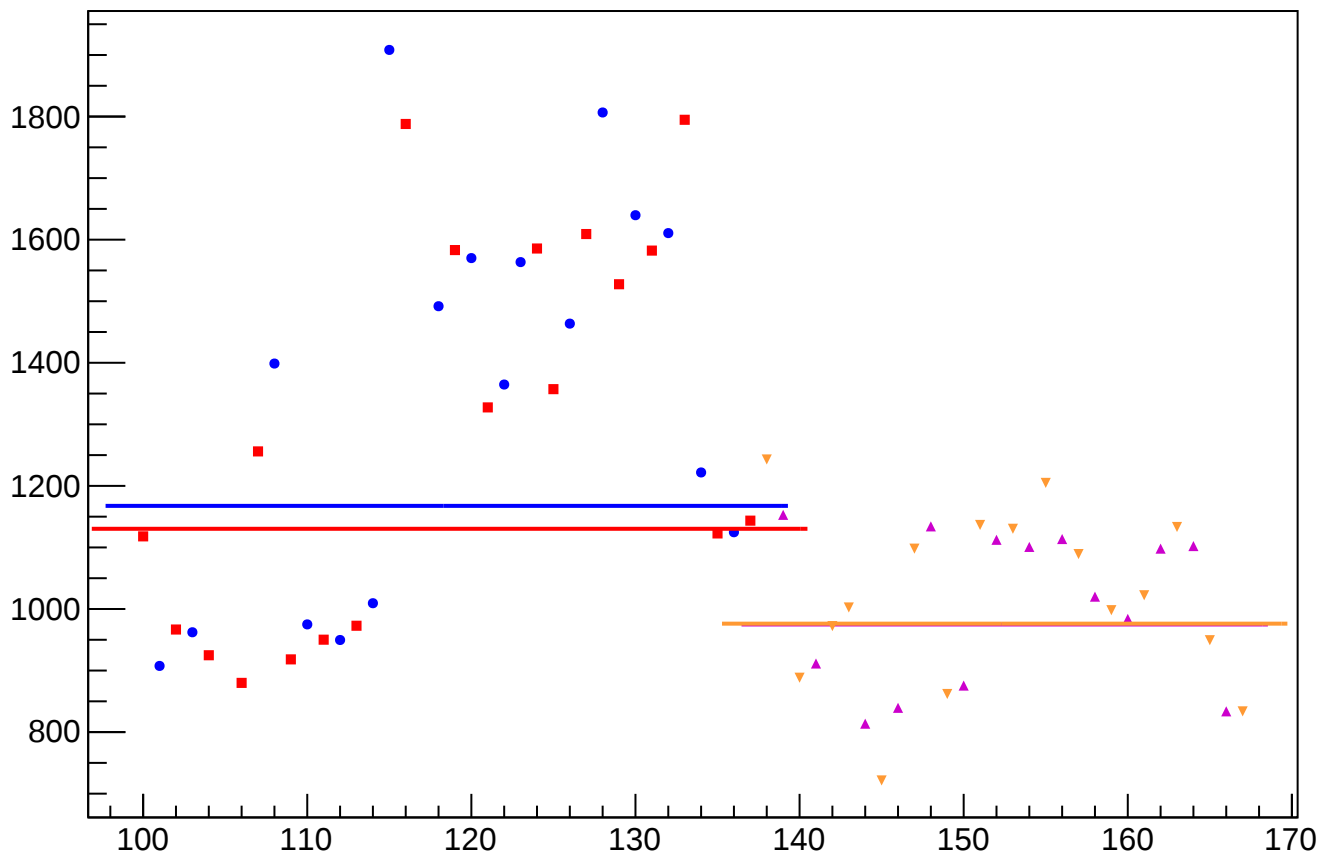
Left In: 136.257 $\pm$ 298.803 χ^2 /NDF:13.5/13

+ sign 1451.572 $\pm$ 244.205 χ^2 /NDF: 53.6/32

All: 901.915 $\pm$ 173.570 χ^2 /NDF: 91.2/65

- sign 340.774 $\pm$ 246.744 χ^2 /NDF: 27.3/32

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

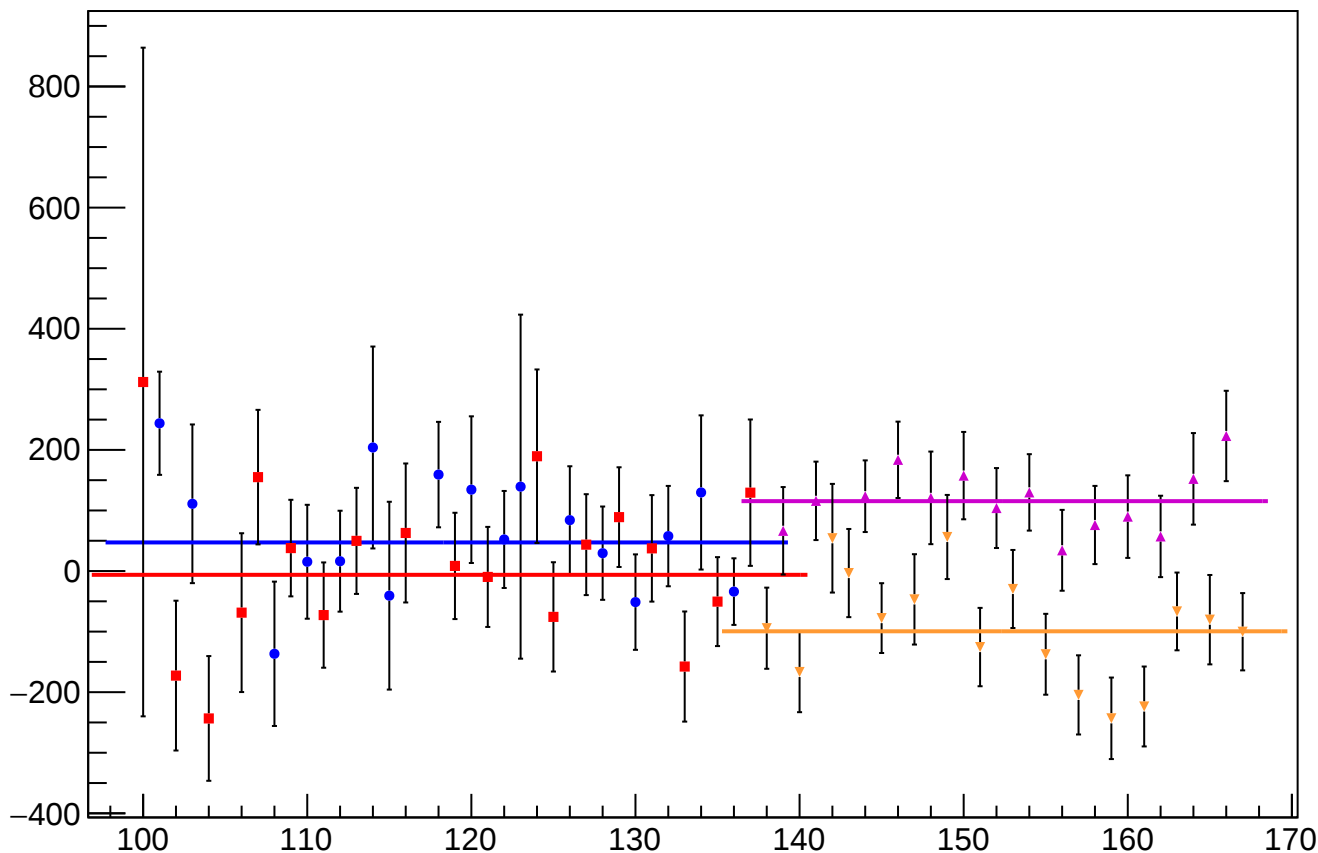
Left In: 974.824+/-0.211 χ^2/NDF : 344213.6/13

+ sign 1028.501+/-0.173 χ^2/NDF : 1471317.8/32

All: 1026.413+/-0.123 χ^2/NDF : 2749577.2/65

- sign 1024.281+/-0.174 χ^2/NDF : 1277963.9/32

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -99.483 $\pm$ 16.874 χ^2 /NDF:24.0/15

Right Out: -6.246 $\pm$ 22.128 χ^2 /NDF: 20.3/18

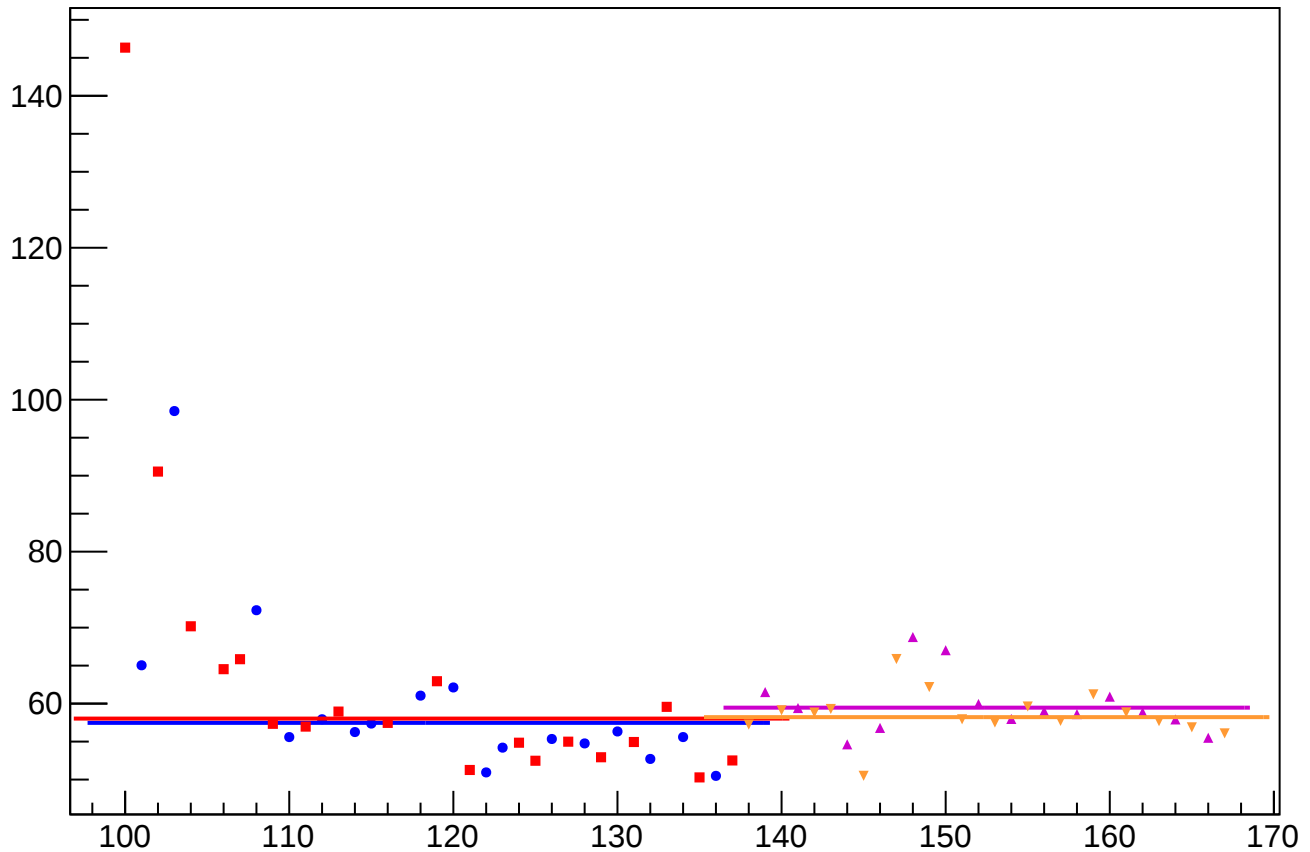
Left In: 115.388 $\pm$ 18.056 χ^2 /NDF:7.1/13

+ sign -46.867 $\pm$ 13.514 χ^2 /NDF: 67.3/32

All: 7.987 $\pm$ 9.719 χ^2 /NDF: 146.9/65

- sign 66.771 $\pm$ 13.989 χ^2 /NDF: 45.6/32

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

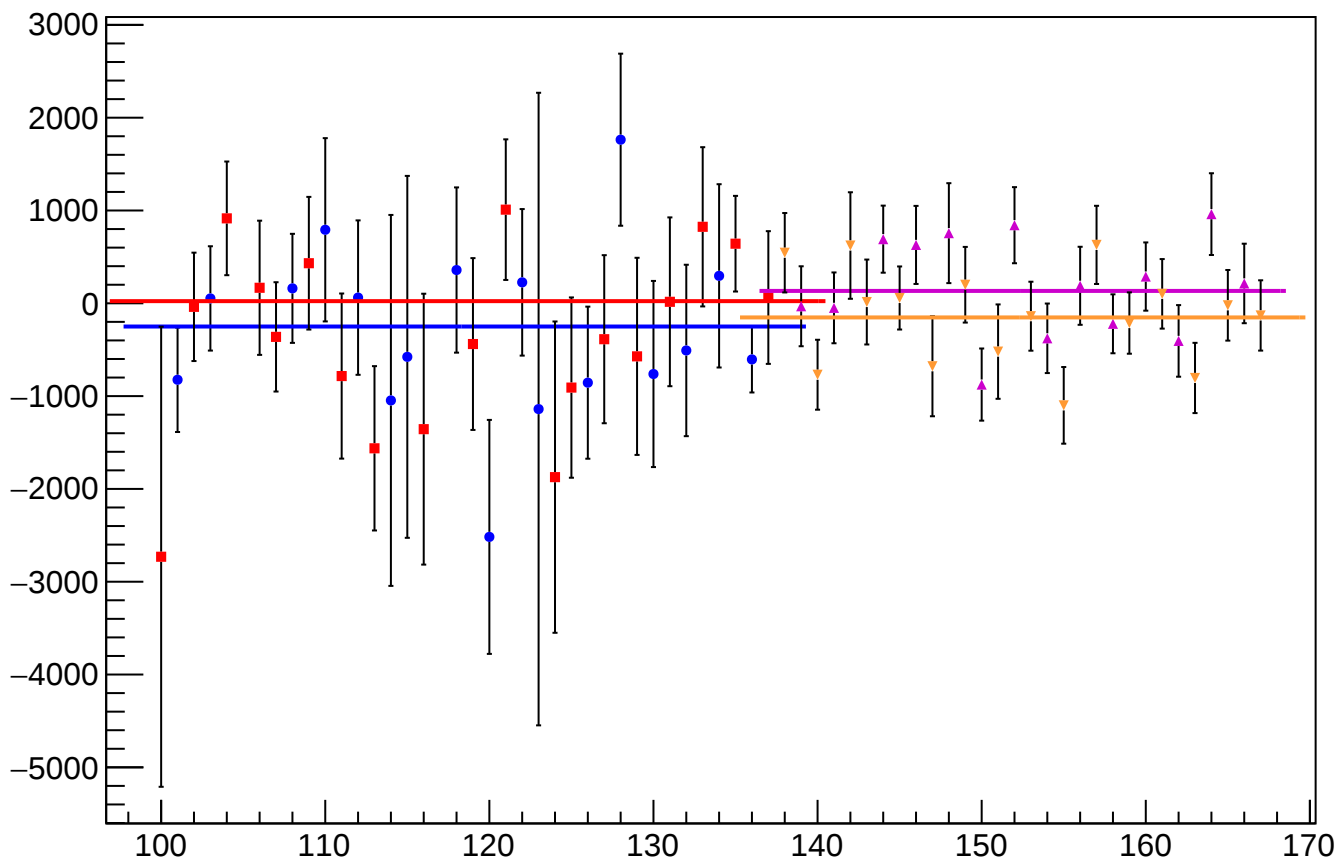
Left In: 59.466 $\pm$ 0.013 χ^2 /NDF: 79287.2/13

+ sign 57.948 $\pm$ 0.010 χ^2 /NDF: 381822.1/32

All: 58.403 $\pm$ 0.007 χ^2 /NDF: 771671.7/65

- sign 58.891 $\pm$ 0.010 χ^2 /NDF: 385149.5/32

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

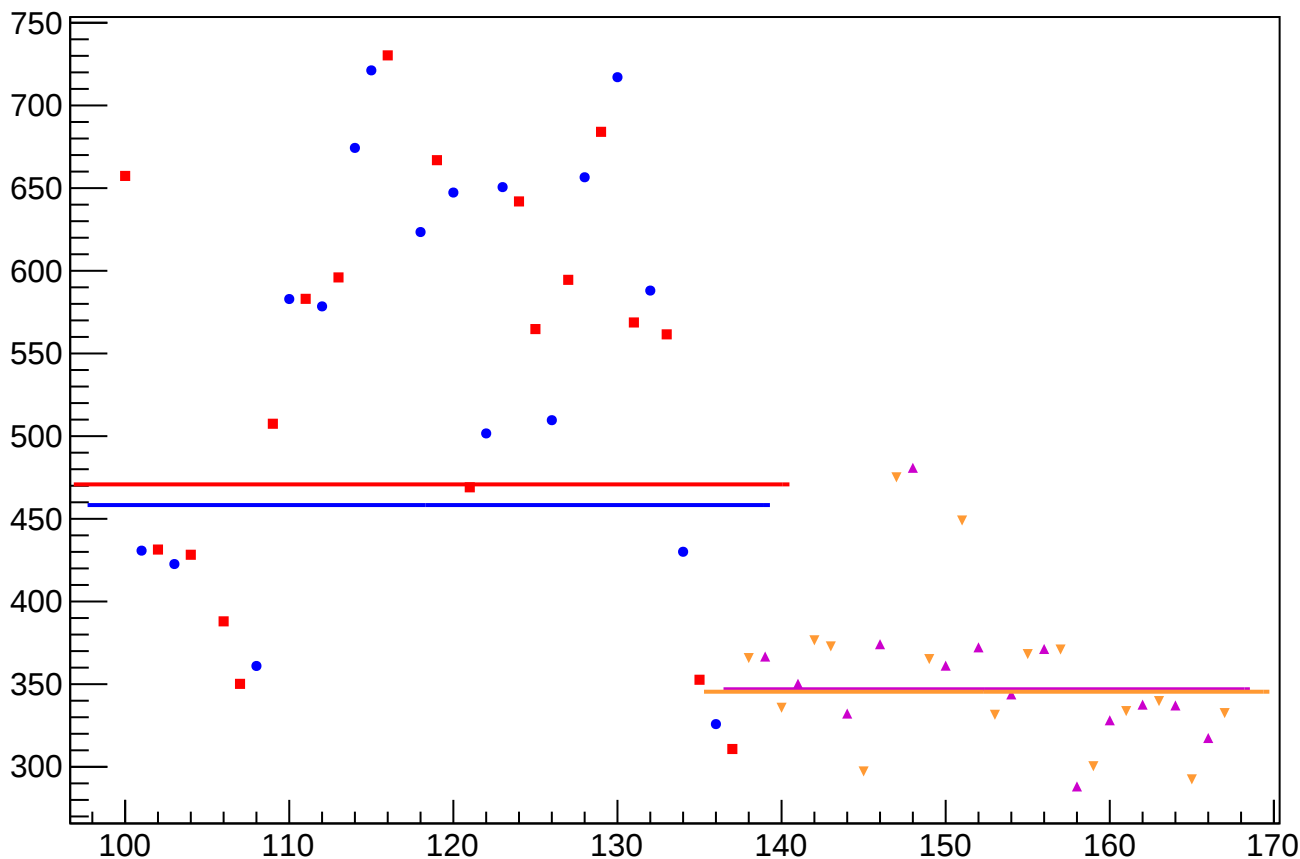
Left In: 133.454 $\pm$ 105.994 χ^2/NDF :24.0/13

+ sign -174.831 $\pm$ 88.493 χ^2/NDF : 36.7/32

All: -39.447 $\pm$ 63.635 χ^2/NDF : 81.9/65

- sign 105.521 $\pm$ 91.572 χ^2/NDF : 40.4/32

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324 $\pm$ 0.130 χ^2 /NDF: 877201.7/16

Left Out: 345.440 $\pm$ 0.071 χ^2 /NDF: 359491.3/15

Right Out: 470.827 $\pm$ 0.129 χ^2 /NDF: 778635.2/18

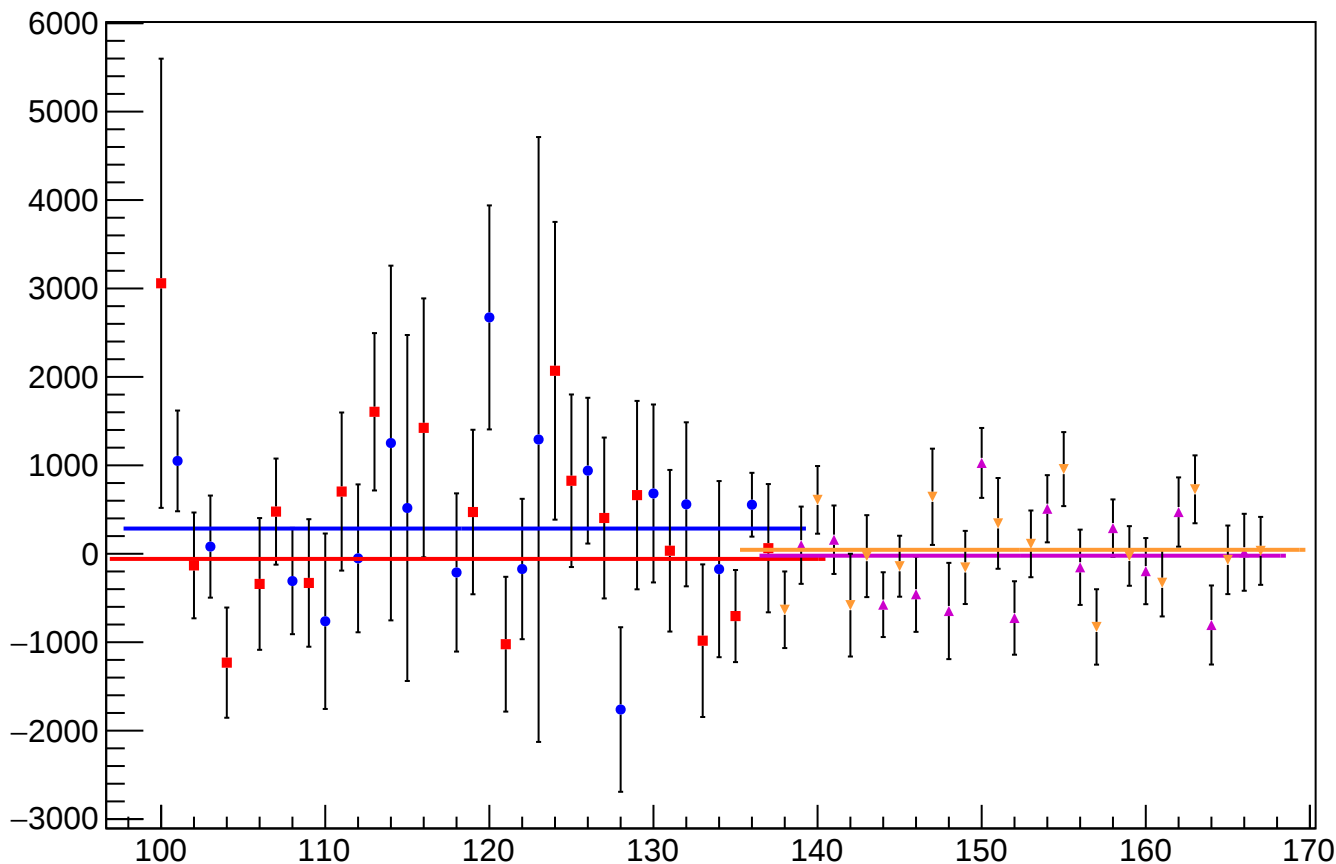
Left In: 346.918 $\pm$ 0.075 χ^2 /NDF: 242355.6/13

+ sign 371.524 $\pm$ 0.063 χ^2 /NDF: 1814938.9/32

All: 374.817 $\pm$ 0.045 χ^2 /NDF: 3534852.8/65

- sign 378.343 $\pm$ 0.065 χ^2 /NDF: 1714180.0/32

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 44.879 ± 102.402 $\chi^2/\text{NDF}: 21.1/15$

Right Out: -58.001 ± 184.074 $\chi^2/\text{NDF}: 19.2/18$

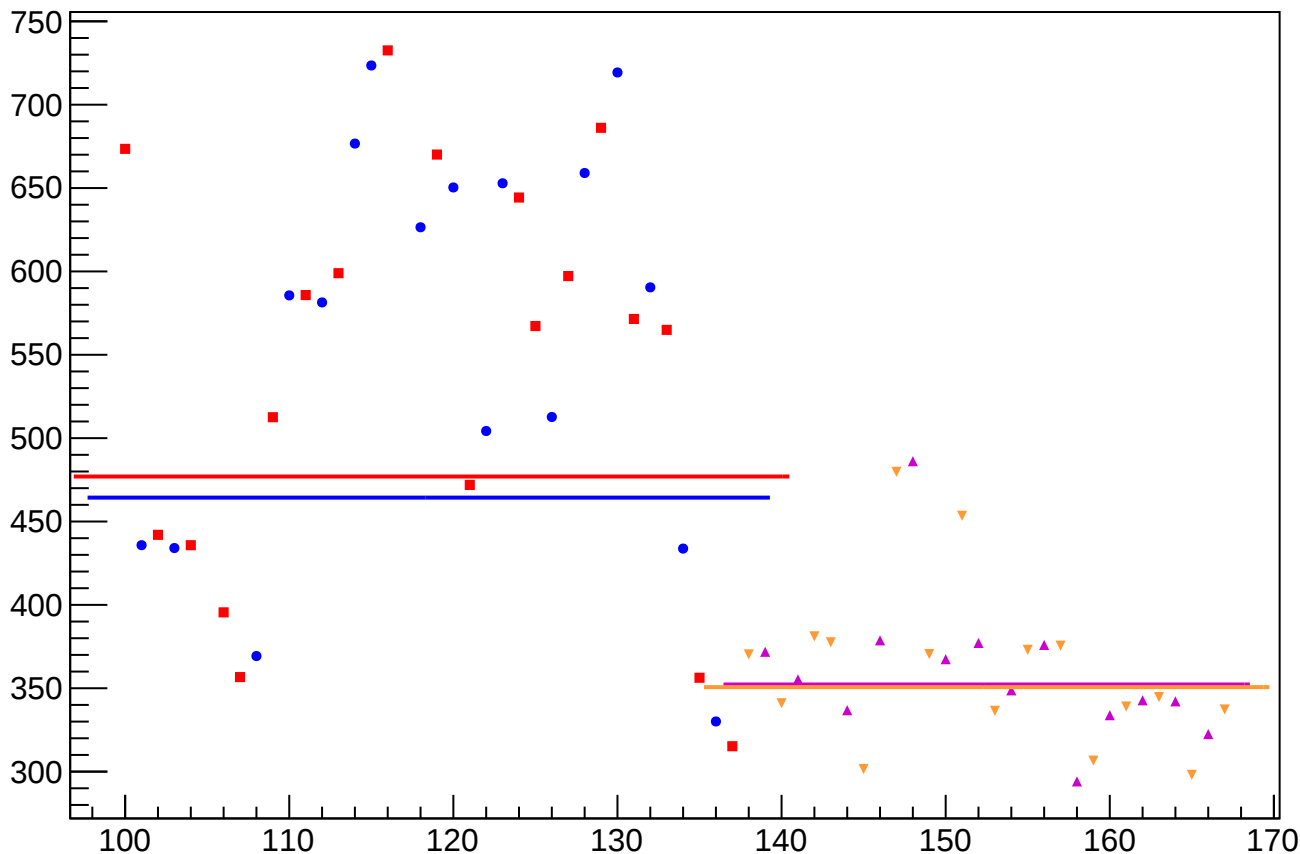
Left In: -21.709 ± 107.591 $\chi^2/\text{NDF}: 22.7/13$

+ sign 100.692 ± 89.735 $\chi^2/\text{NDF}: 37.6/32$

All: 37.143 ± 64.538 $\chi^2/\text{NDF}: 80.6/65$

- sign -30.950 ± 92.888 $\chi^2/\text{NDF}: 41.9/32$

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

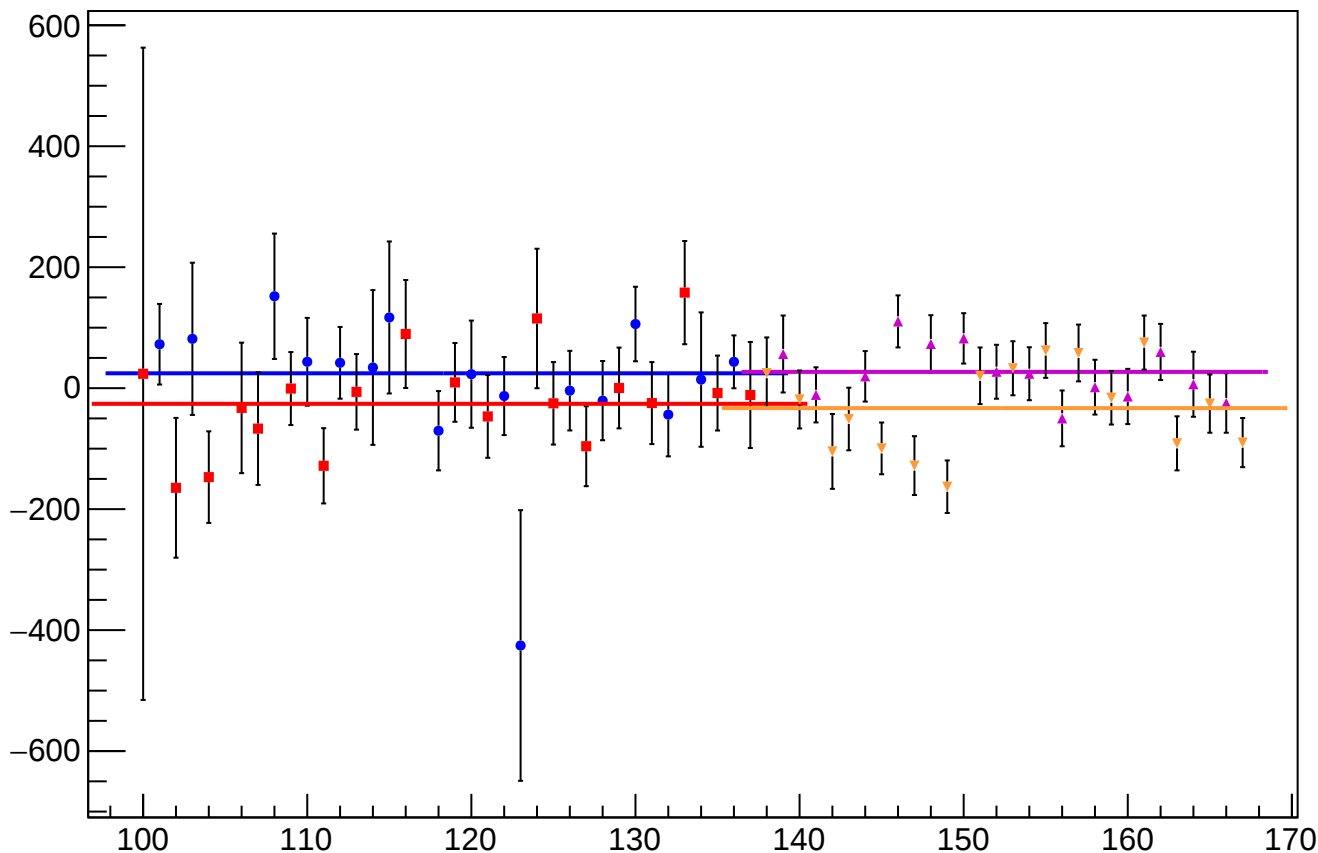
Left In: 352.252 $\pm$ 0.076 χ^2 /NDF: 233819.5/13

+ sign 377.040 $\pm$ 0.063 χ^2 /NDF: 1764853.7/32

All: 380.407 $\pm$ 0.046 χ^2 /NDF: 3438379.3/65

- sign 384.015 $\pm$ 0.066 χ^2 /NDF: 1667692.0/32

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 $\chi^2/\text{NDF}: 16.8/18$

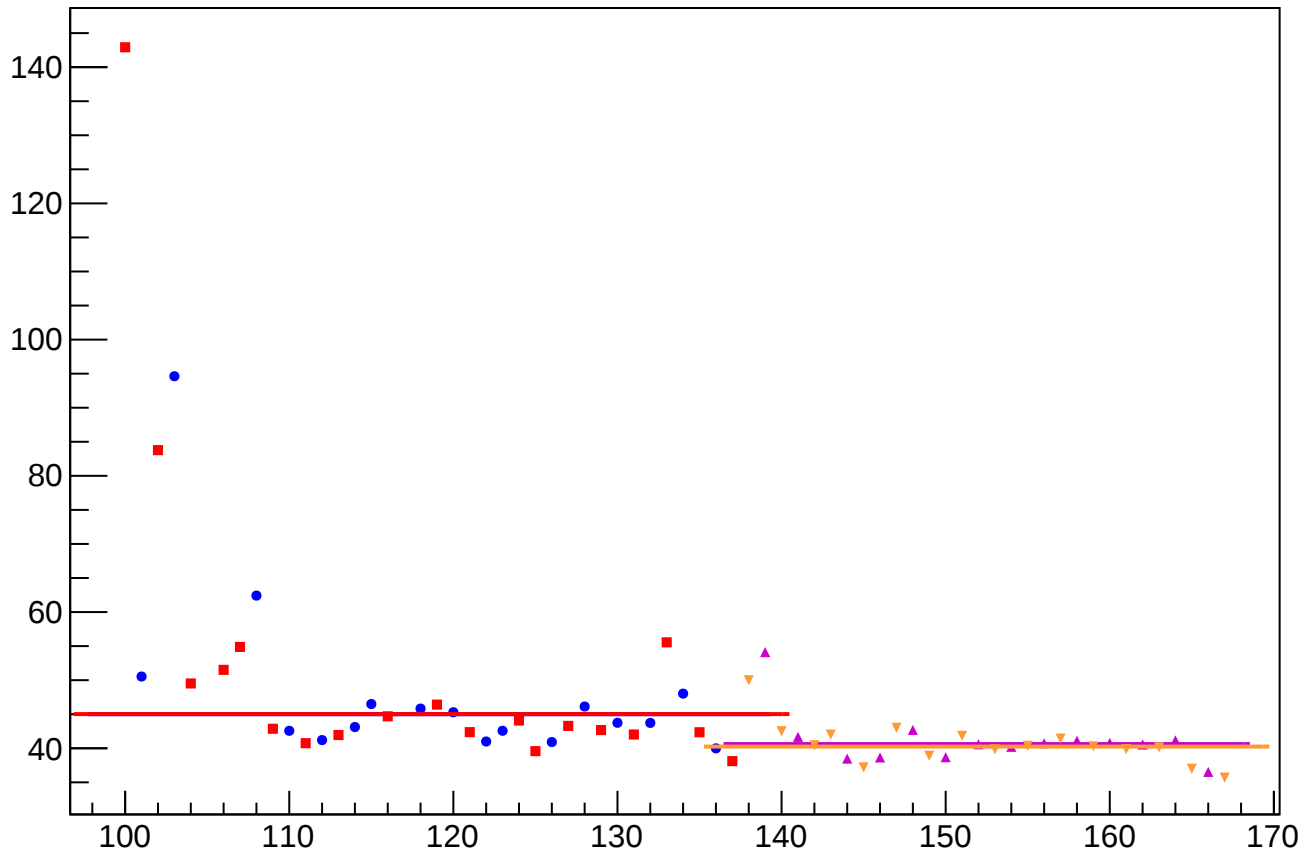
Left In: 26.906 ± 12.357 $\chi^2/\text{NDF}: 13.1/13$

+ sign -15.670 ± 9.783 $\chi^2/\text{NDF}: 59.4/32$

All: -3.602 ± 7.018 $\chi^2/\text{NDF}: 98.5/65$

- sign 9.189 ± 10.072 $\chi^2/\text{NDF}: 36.0/32$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001+/-0.013 χ^2/NDF : 438352.8/16

Left Out: 40.249+/-0.008 χ^2/NDF : 117917.5/15

Right Out: 45.017+/-0.012 χ^2/NDF : 415509.0/18

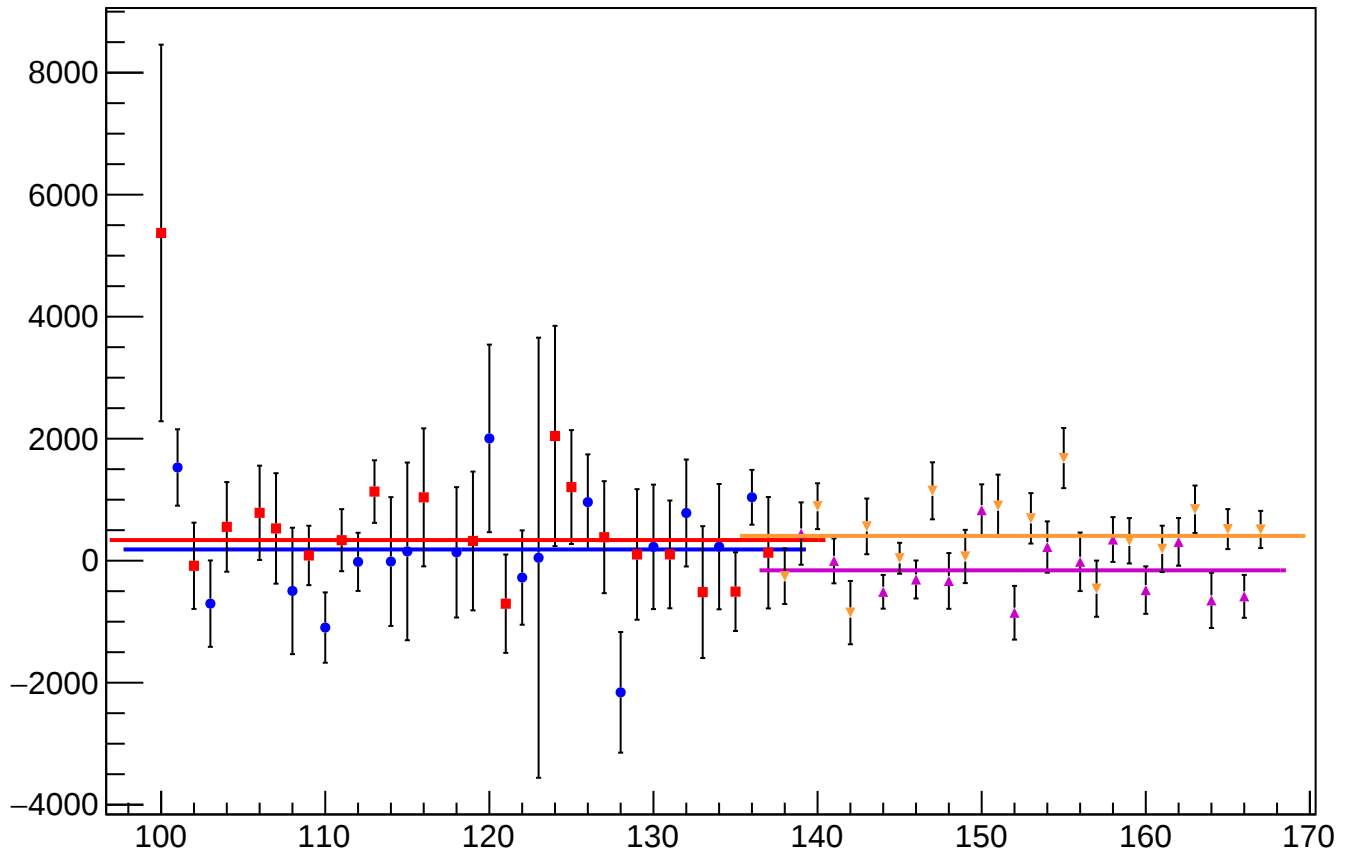
Left In: 40.617+/-0.009 χ^2/NDF : 123086.8/13

+ sign 41.678+/-0.007 χ^2/NDF : 655511.5/32

All: 41.880+/-0.005 χ^2/NDF : 1280974.8/65

- sign 42.094+/-0.007 χ^2/NDF : 623713.9/32

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

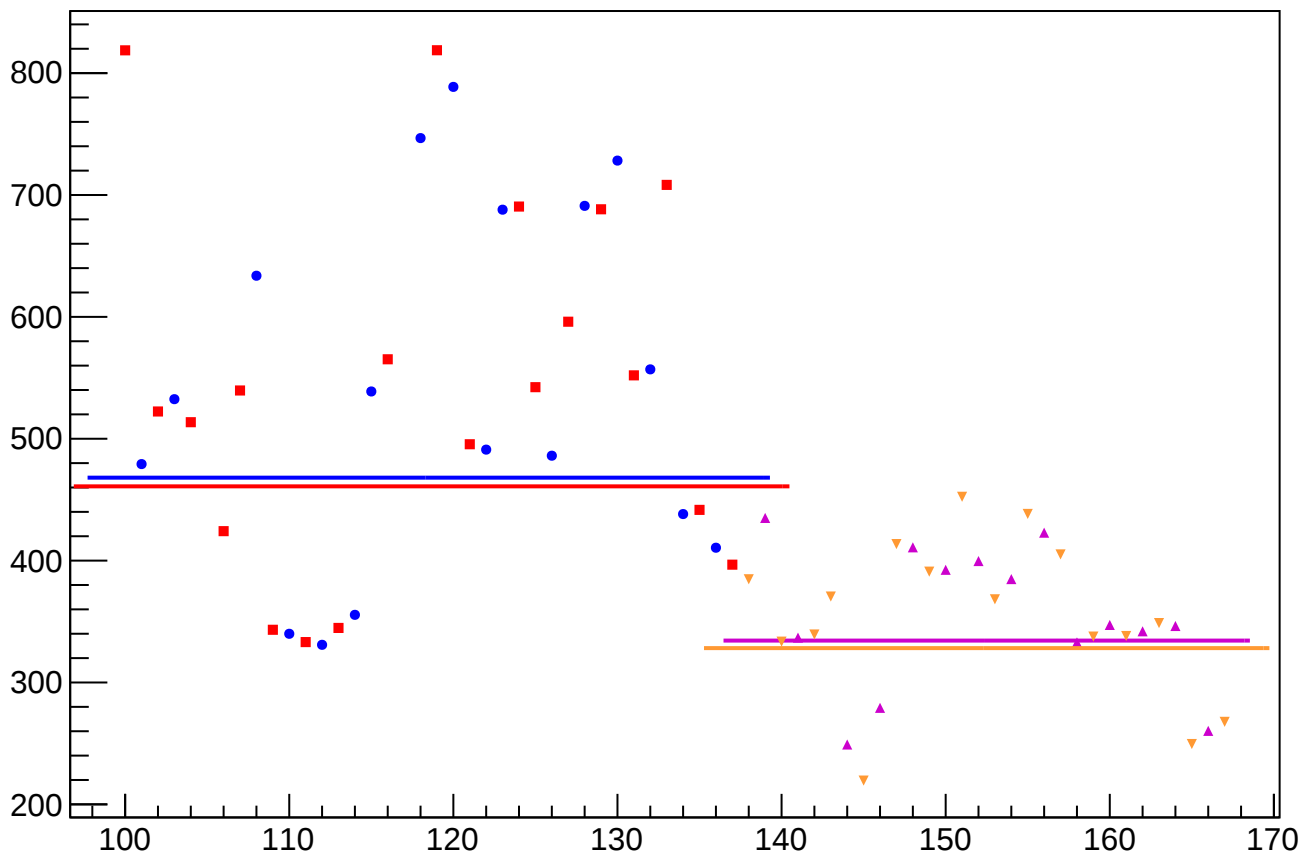
Left In: -158.215 ± 103.308 χ^2/NDF : 19.1/13

+ sign 359.666 ± 86.581 χ^2/NDF : 53.8/32

All: 169.147 ± 62.236 χ^2/NDF : 101.2/65

- sign -34.541 ± 89.523 χ^2/NDF : 37.3/32

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

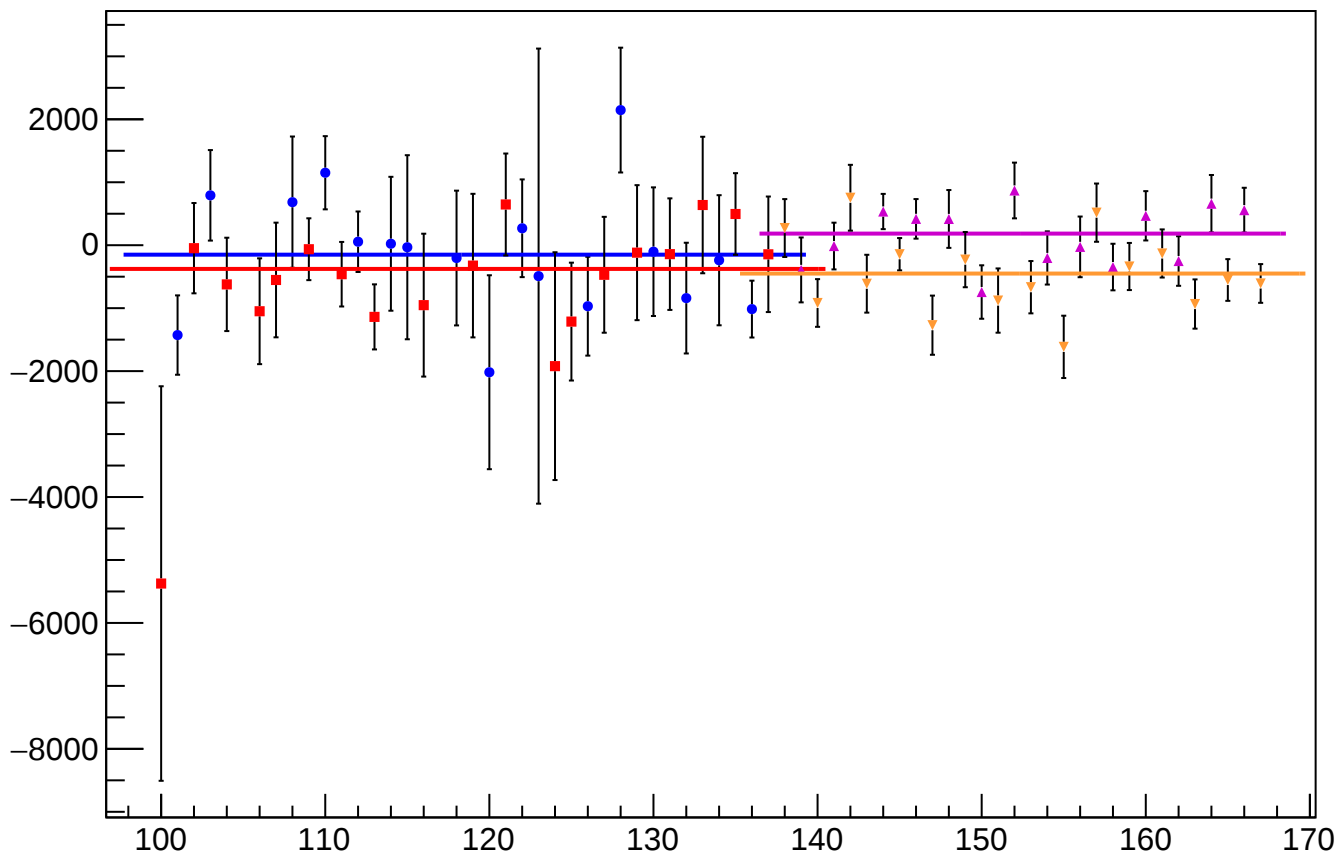
Left In: 334.381 $\pm$ 0.073 χ^2 /NDF:658598.5/13

+ sign 357.691 $\pm$ 0.061 χ^2 /NDF: 2770816.7/32

All: 361.660 $\pm$ 0.044 χ^2 /NDF: 5140717.4/65

- sign 365.903 $\pm$ 0.063 χ^2 /NDF: 2361206.8/32

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

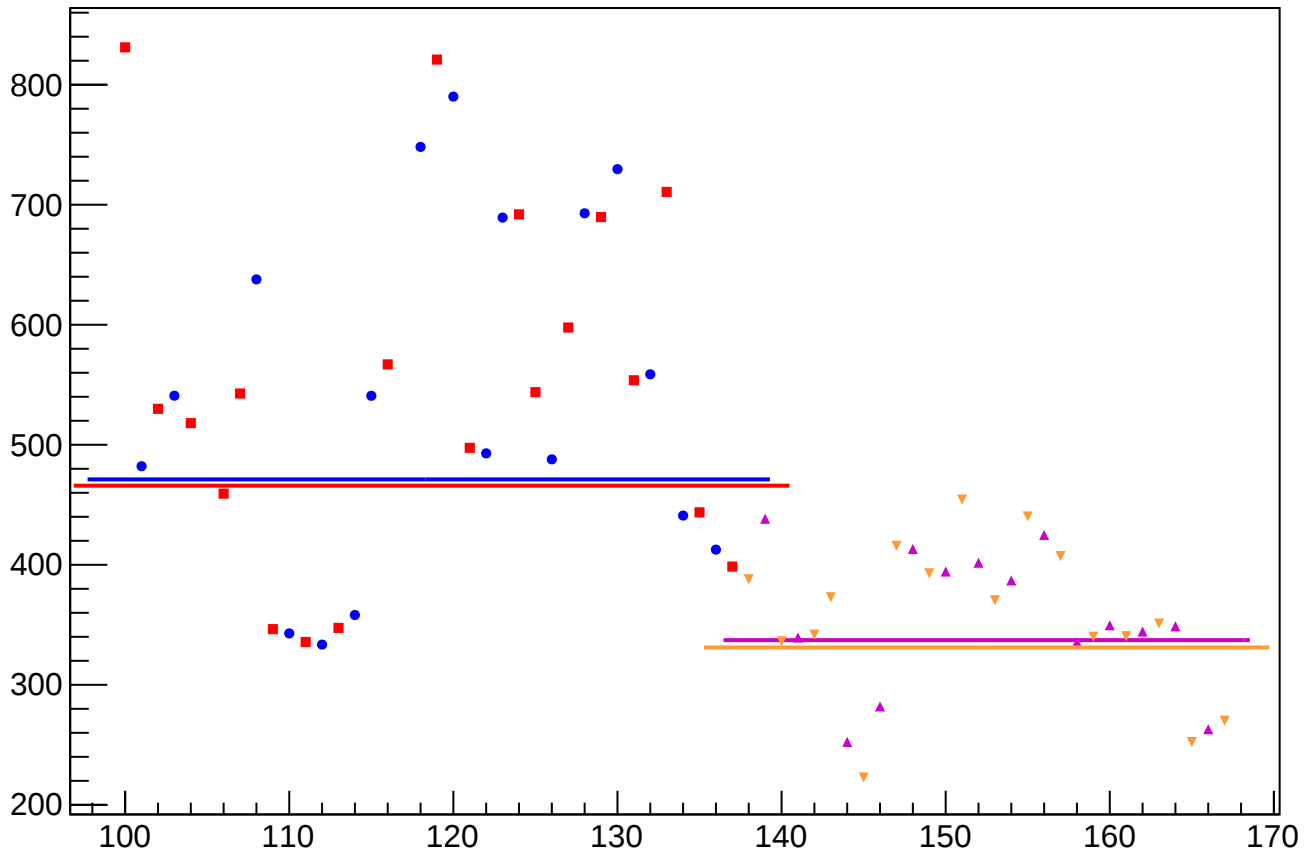
Left In: 184.410 ± 104.137 χ^2/NDF : 18.1/13

+ sign -386.880 ± 87.257 χ^2/NDF : 53.9/32

All: -178.231 ± 62.747 χ^2/NDF : 103.5/65

- sign 45.199 ± 90.295 χ^2/NDF : 37.7/32

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

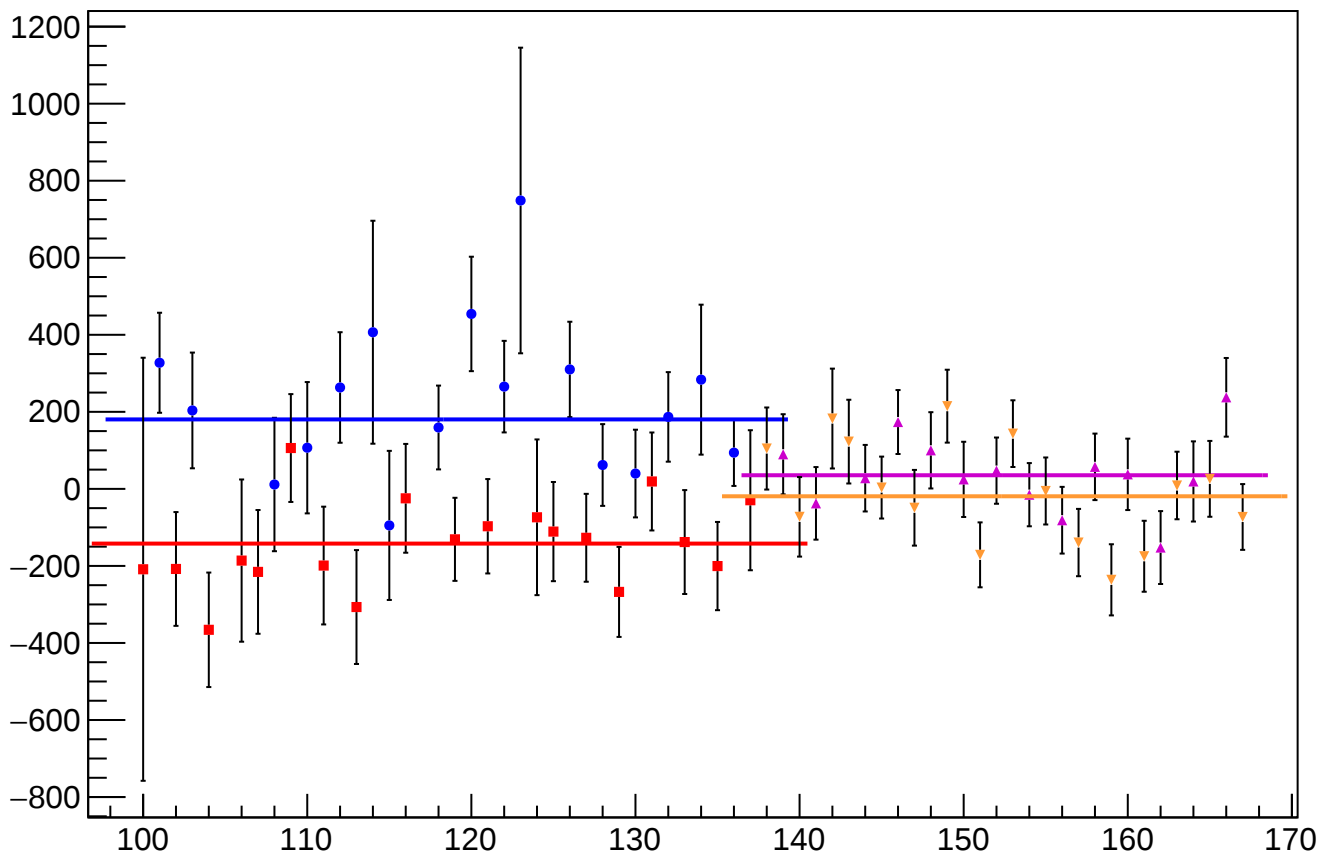
Left In: 337.235 $\pm$ 0.074 χ^2/NDF :640913.3/13

+ sign 360.743 $\pm$ 0.062 χ^2/NDF : 2725266.0/32

All: 364.814 $\pm$ 0.044 χ^2/NDF : 5073802.2/65

- sign 369.174 $\pm$ 0.064 χ^2/NDF : 2339519.3/32

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 $\pm$ 32.769 χ^2/NDF : 16.6/16

Left Out: -19.212 $\pm$ 23.318 χ^2/NDF : 29.8/15

Right Out: -142.040 $\pm$ 32.338 χ^2/NDF : 11.7/18

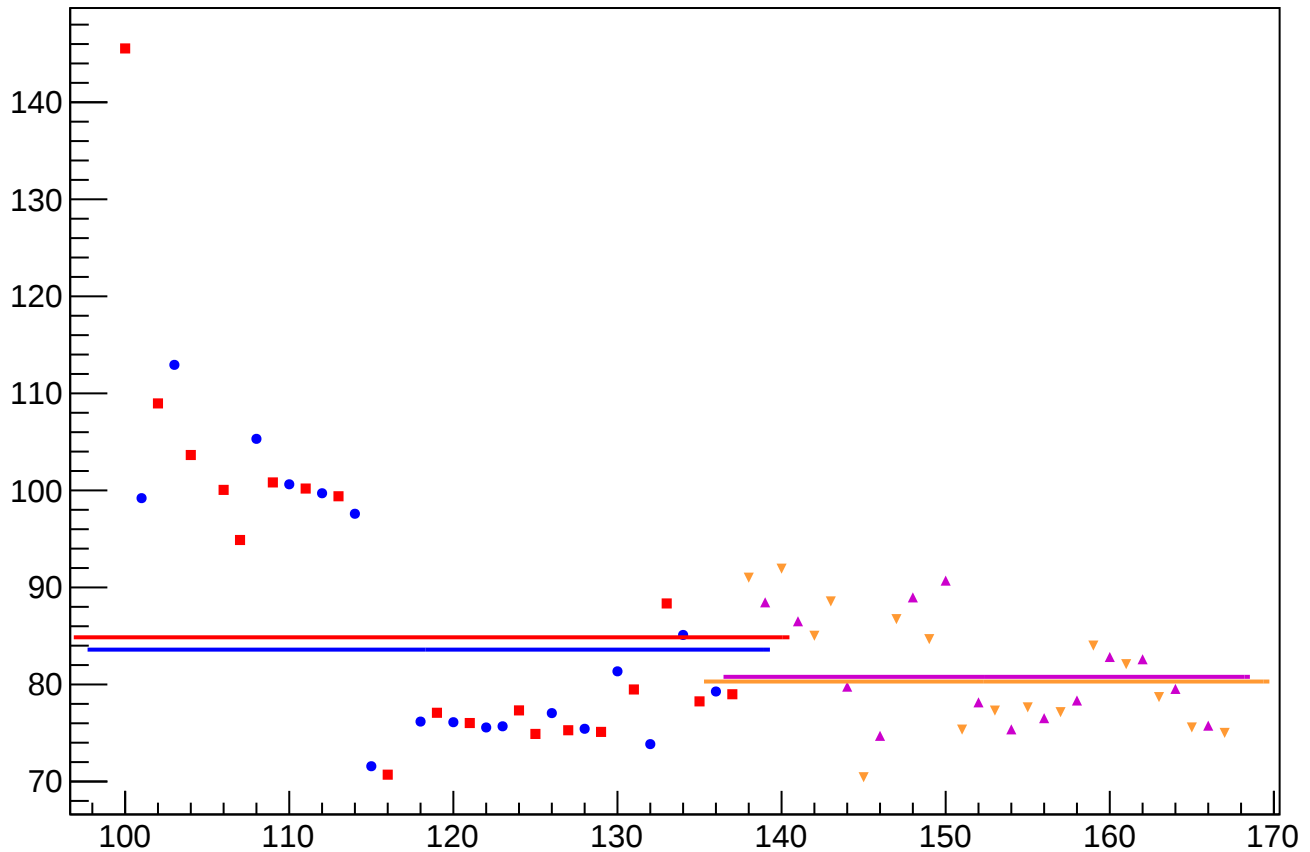
Left In: 35.385 $\pm$ 24.553 χ^2/NDF : 14.3/13

+ sign 47.864 $\pm$ 18.999 χ^2/NDF : 71.0/32

All: 10.300 $\pm$ 13.627 χ^2/NDF : 124.1/65

- sign -29.494 $\pm$ 19.555 χ^2/NDF : 45.0/32

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

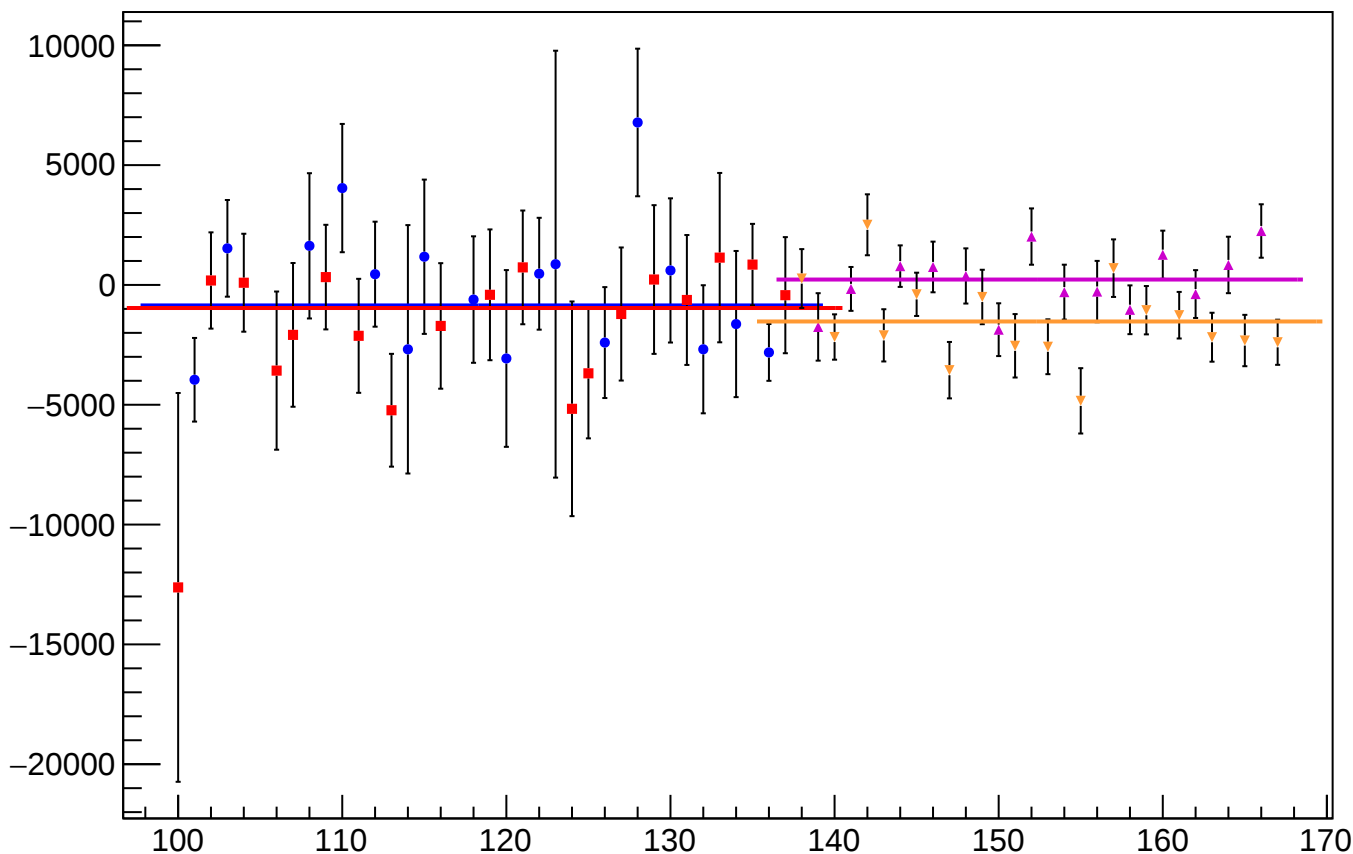
Left In: 80.788 $\pm$ 0.017 χ^2 /NDF:87440.2/13

+ sign 81.408 $\pm$ 0.013 χ^2 /NDF: 402749.5/32

All: 81.830 $\pm$ 0.010 χ^2 /NDF: 802957.0/65

- sign 82.277 $\pm$ 0.014 χ^2 /NDF: 398177.0/32

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

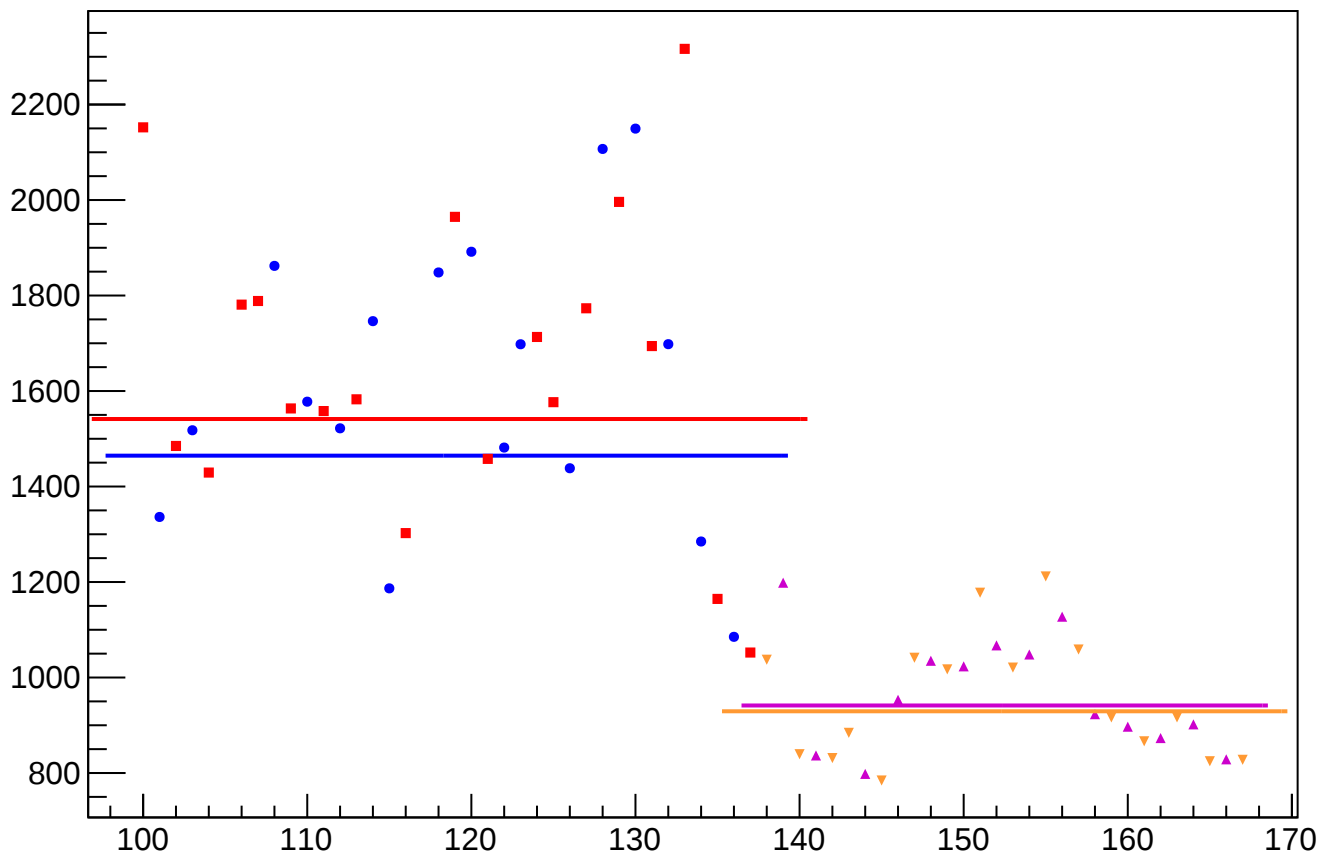
Left In: 224.974+/-287.639 χ^2 /NDF: 15.7/13

+ sign -1405.253+/-246.440 χ^2 /NDF: 52.5/32

All: -737.867+/-178.361 χ^2 /NDF: 98.4/65

- sign -3.729+/-258.471 χ^2 /NDF: 30.5/32

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

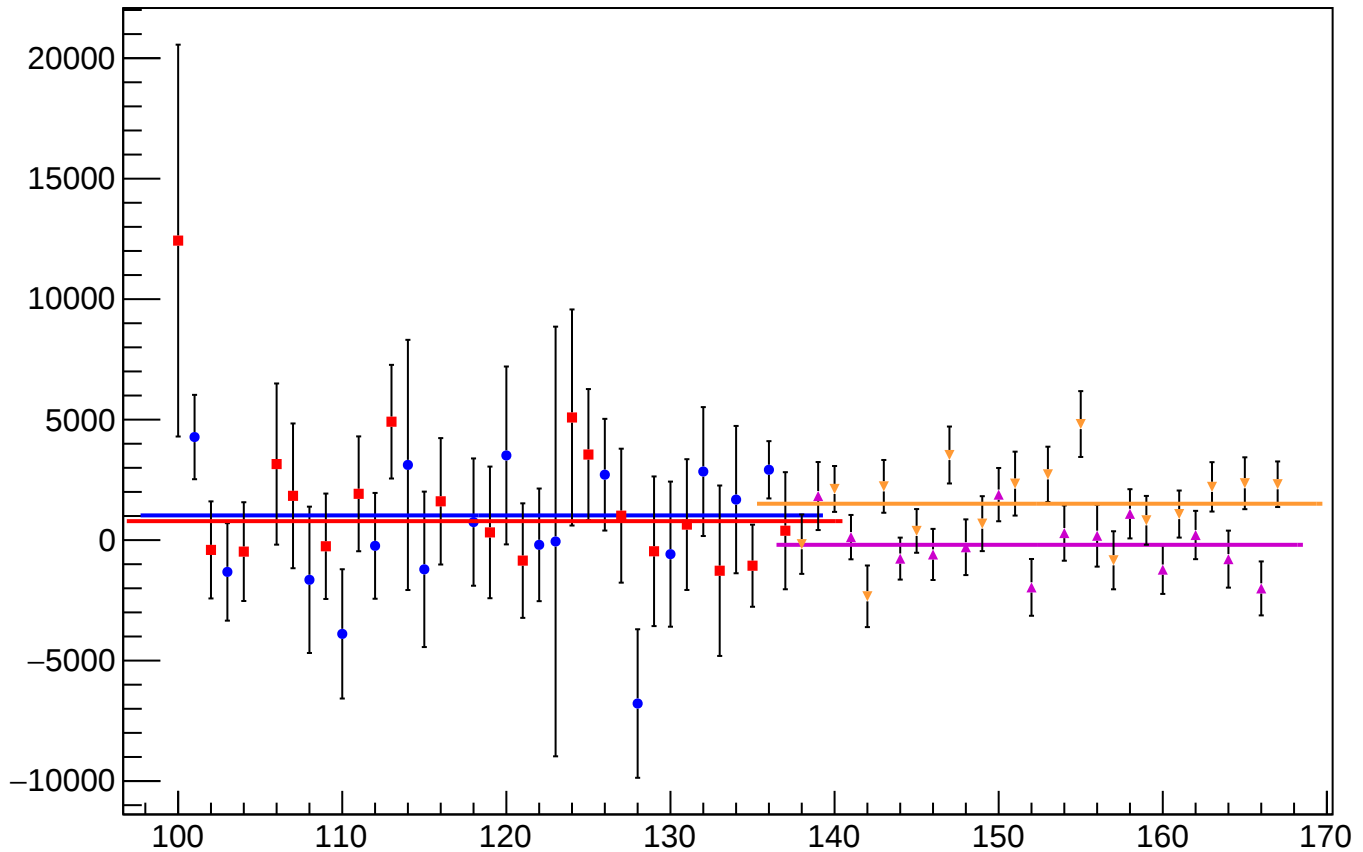
Left In: 941.438 $\pm$ 0.203 χ^2/NDF : 291314.8/13

+ sign 1024.846 $\pm$ 0.174 χ^2/NDF : 2318864.7/32

All: 1040.130 $\pm$ 0.126 χ^2/NDF : 4755197.9/65

- sign 1056.944 $\pm$ 0.183 χ^2/NDF : 2420177.5/32

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

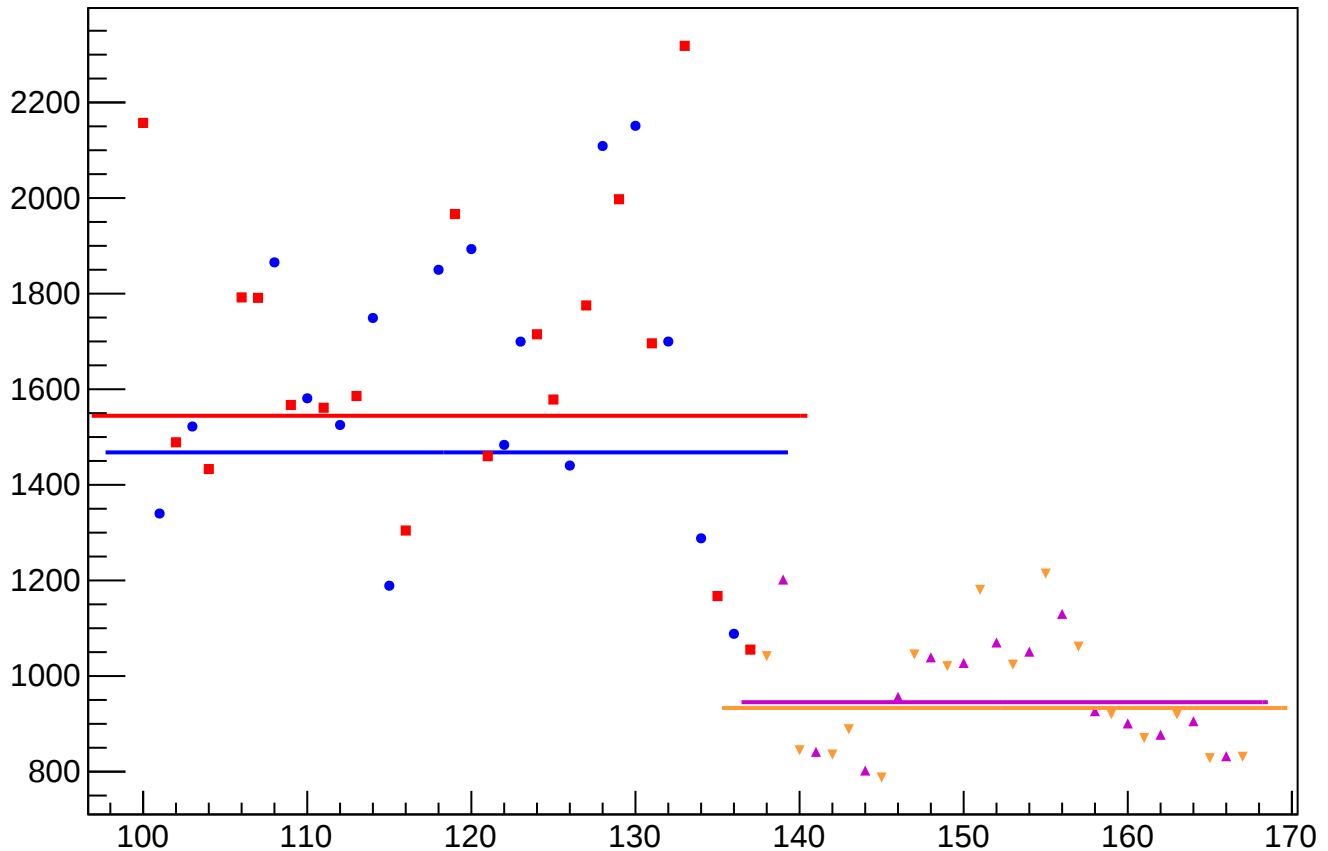
Left In: -195.240 $\pm$ 288.779 χ^2 /NDF:14.5/13

+ sign 1423.156 $\pm$ 247.354 χ^2 /NDF: 51.9/32

All: 742.743 $\pm$ 179.016 χ^2 /NDF: 95.7/65

- sign -5.606 $\pm$ 259.409 χ^2 /NDF: 27.9/32

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905 $\pm$ 0.413 χ^2/NDF : 557458.9/16

Left Out: 933.195 $\pm$ 0.193 χ^2/NDF : 369298.9/15

Right Out: 1544.513 $\pm$ 0.417 χ^2/NDF : 451805.9/18

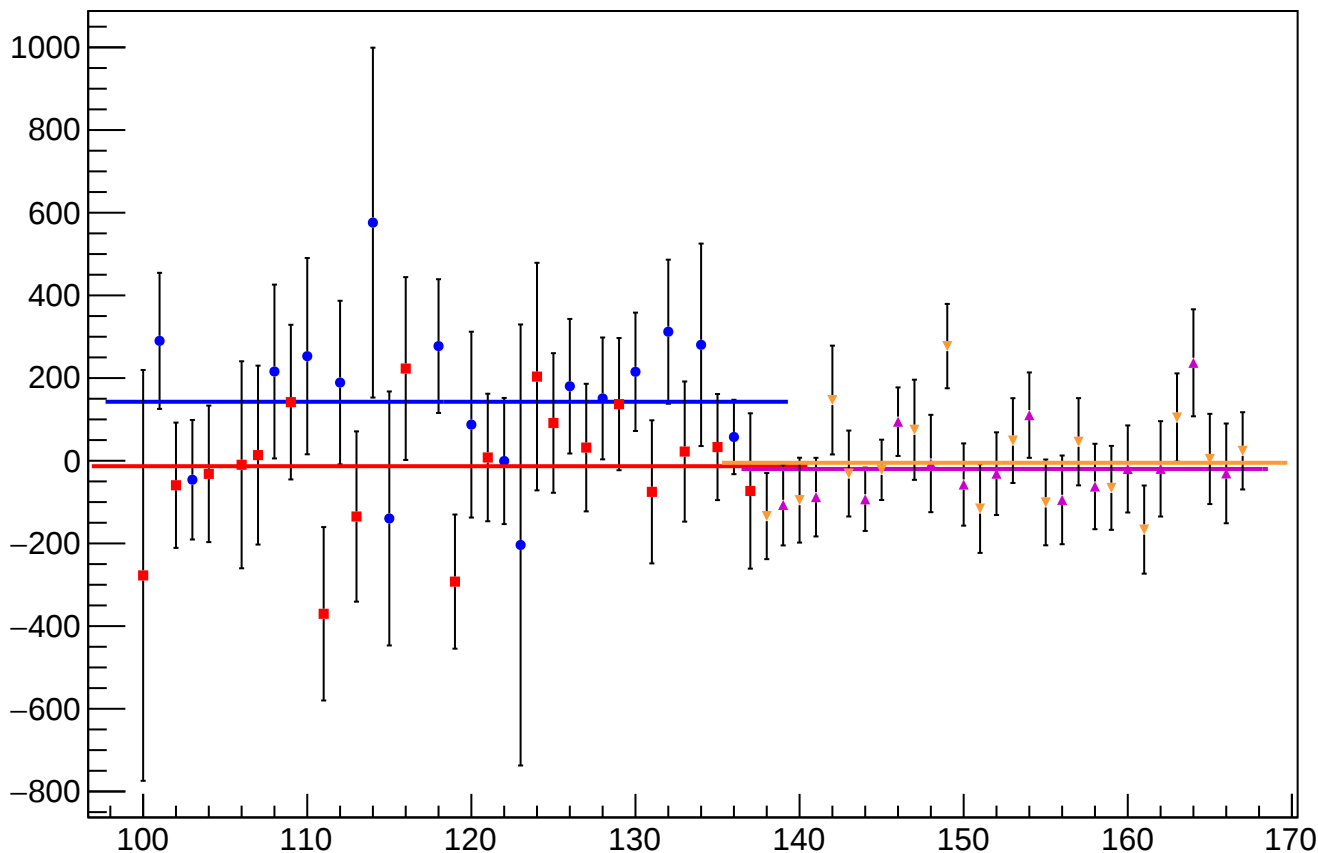
Left In: 945.283 $\pm$ 0.204 χ^2/NDF : 287290.2/13

+ sign 1028.956 $\pm$ 0.175 χ^2/NDF : 2300780.9/32

All: 1044.203 $\pm$ 0.127 χ^2/NDF : 4718416.2/65

- sign 1060.971 $\pm$ 0.183 χ^2/NDF : 2401679.7/32

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683+/-41.625 χ^2/NDF : 9.3/16

Left Out: -4.899+/-25.607 χ^2/NDF : 18.1/15

Right Out: -13.177+/-41.396 χ^2/NDF : 10.8/18

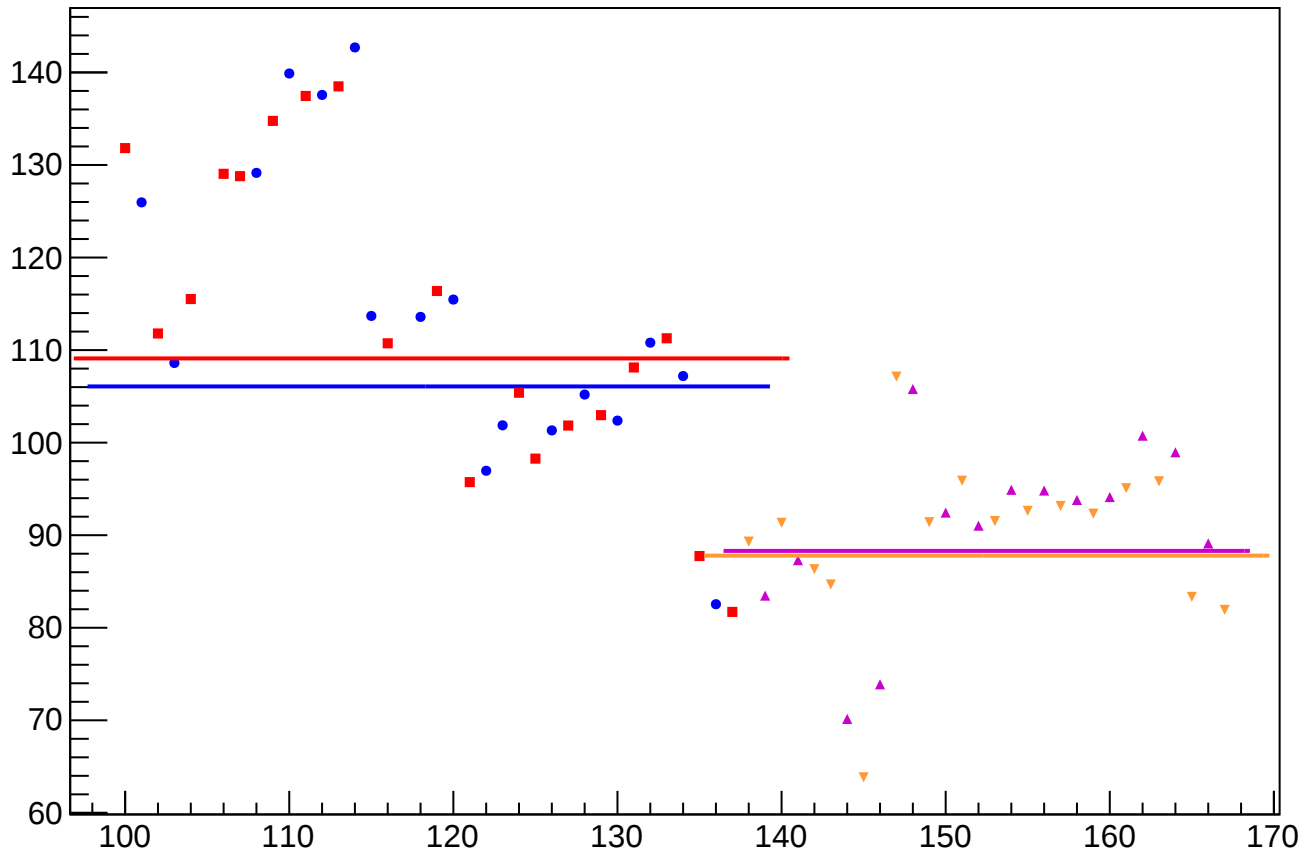
Left In: -19.905+/-27.001 χ^2/NDF : 10.5/13

+ sign 35.618+/-21.810 χ^2/NDF : 36.5/32

All: 9.831+/-15.699 χ^2/NDF : 60.7/65

- sign -17.897+/-22.616 χ^2/NDF : 21.3/32

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

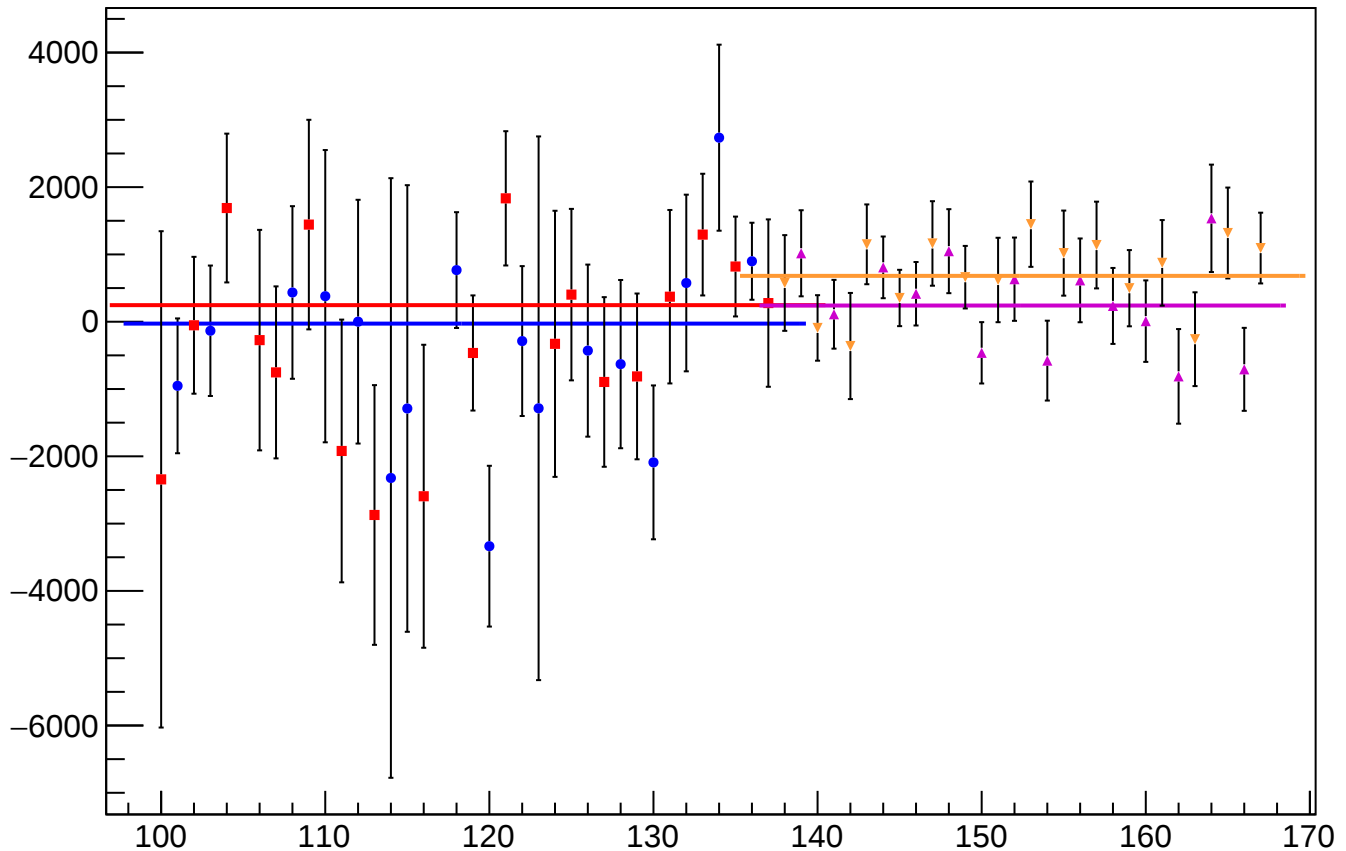
Left In: 88.306 $\pm$ 0.019 χ^2 /NDF:291190.2/13

+ sign 92.812 $\pm$ 0.015 χ^2 /NDF: 930972.8/32

All: 93.631 $\pm$ 0.011 χ^2 /NDF: 1867467.8/65

- sign 94.512 $\pm$ 0.016 χ^2 /NDF: 930635.7/32

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 $\pm$ 283.741 χ^2/NDF : 20.5/16

Left Out: 681.528 $\pm$ 145.978 χ^2/NDF : 11.9/15

Right Out: 246.386 $\pm$ 279.451 χ^2/NDF : 15.9/18

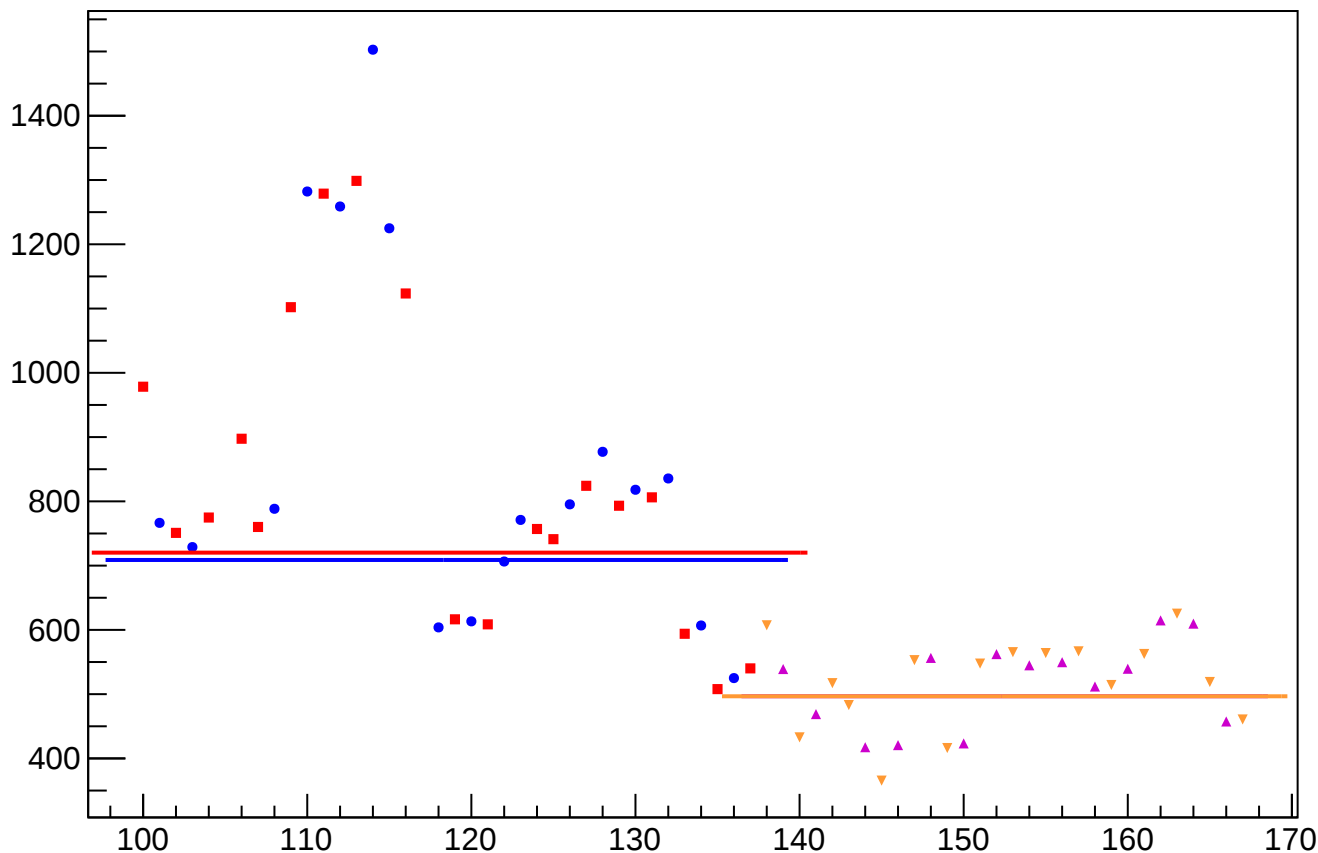
Left In: 240.666 $\pm$ 152.443 χ^2/NDF : 17.3/13

+ sign 533.039 $\pm$ 129.806 χ^2/NDF : 37.4/32

All: 391.945 $\pm$ 93.176 χ^2/NDF : 73.0/65

- sign 241.978 $\pm$ 133.826 χ^2/NDF : 33.2/32

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 496.702 $\pm$ 0.103 χ^2 /NDF: 543614.6/15

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

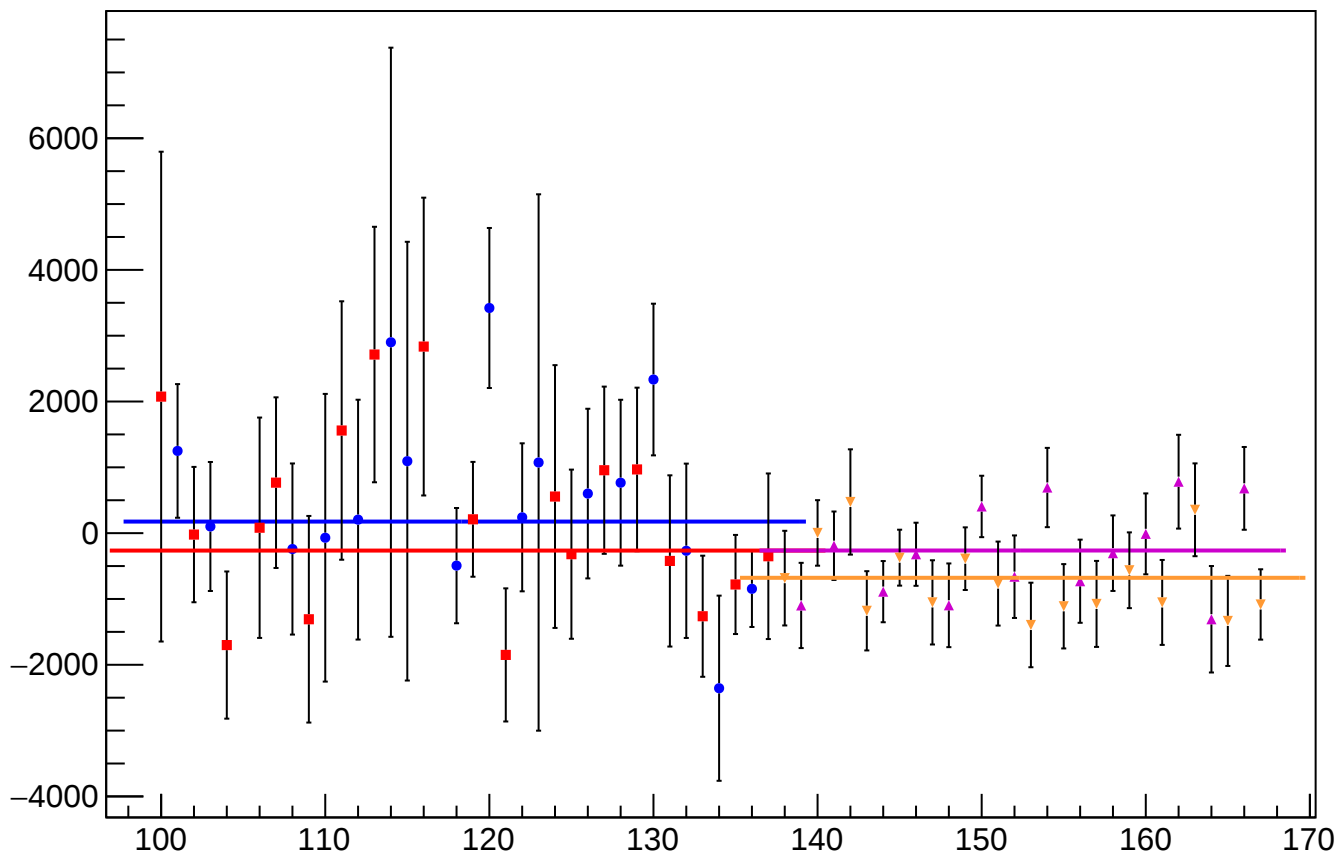
Left In: 496.759 $\pm$ 0.108 χ^2 /NDF: 362744.9/13

+ sign 541.088 $\pm$ 0.092 χ^2 /NDF: 2220663.2/32

All: 544.440 $\pm$ 0.066 χ^2 /NDF: 4471499.3/65

- sign 548.002 $\pm$ 0.095 χ^2 /NDF: 2248085.9/32

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

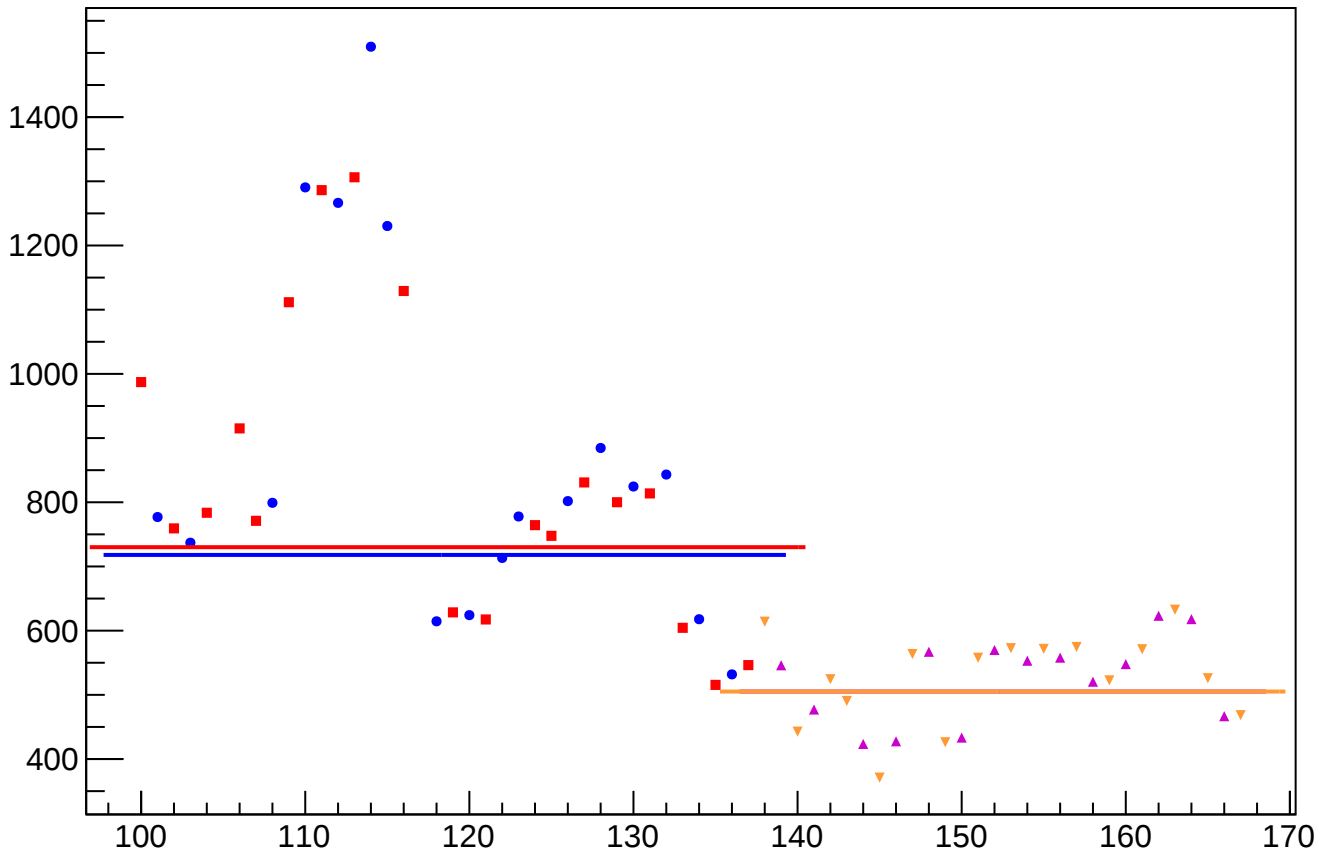
Left In: -263.652 ± 154.963 χ^2/NDF : 17.0/13

+ sign -498.467 ± 131.830 χ^2/NDF : 38.7/32

All: -384.762 ± 94.634 χ^2/NDF : 72.0/65

- sign -263.876 ± 135.929 χ^2/NDF : 31.8/32

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973 $\pm$ 0.203 χ^2 /NDF: 778580.1/16

Left Out: 505.152 $\pm$ 0.105 χ^2 /NDF: 529903.0/15

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

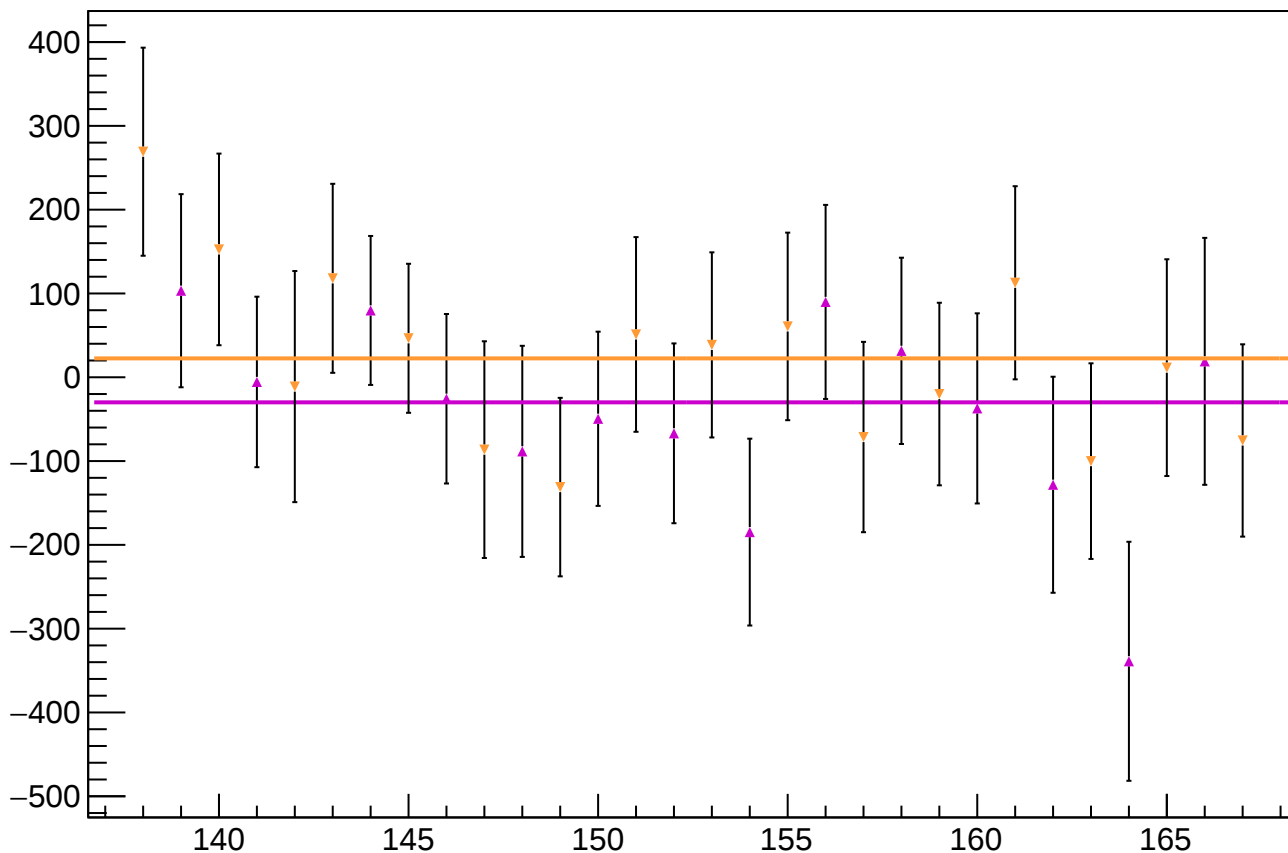
Left In: 505.146 $\pm$ 0.110 χ^2 /NDF: 354390.7/13

+ sign 549.987 $\pm$ 0.093 χ^2 /NDF: 2175235.6/32

All: 553.387 $\pm$ 0.067 χ^2 /NDF: 4385507.7/65

- sign 557.002 $\pm$ 0.096 χ^2 /NDF: 2207527.4/32

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

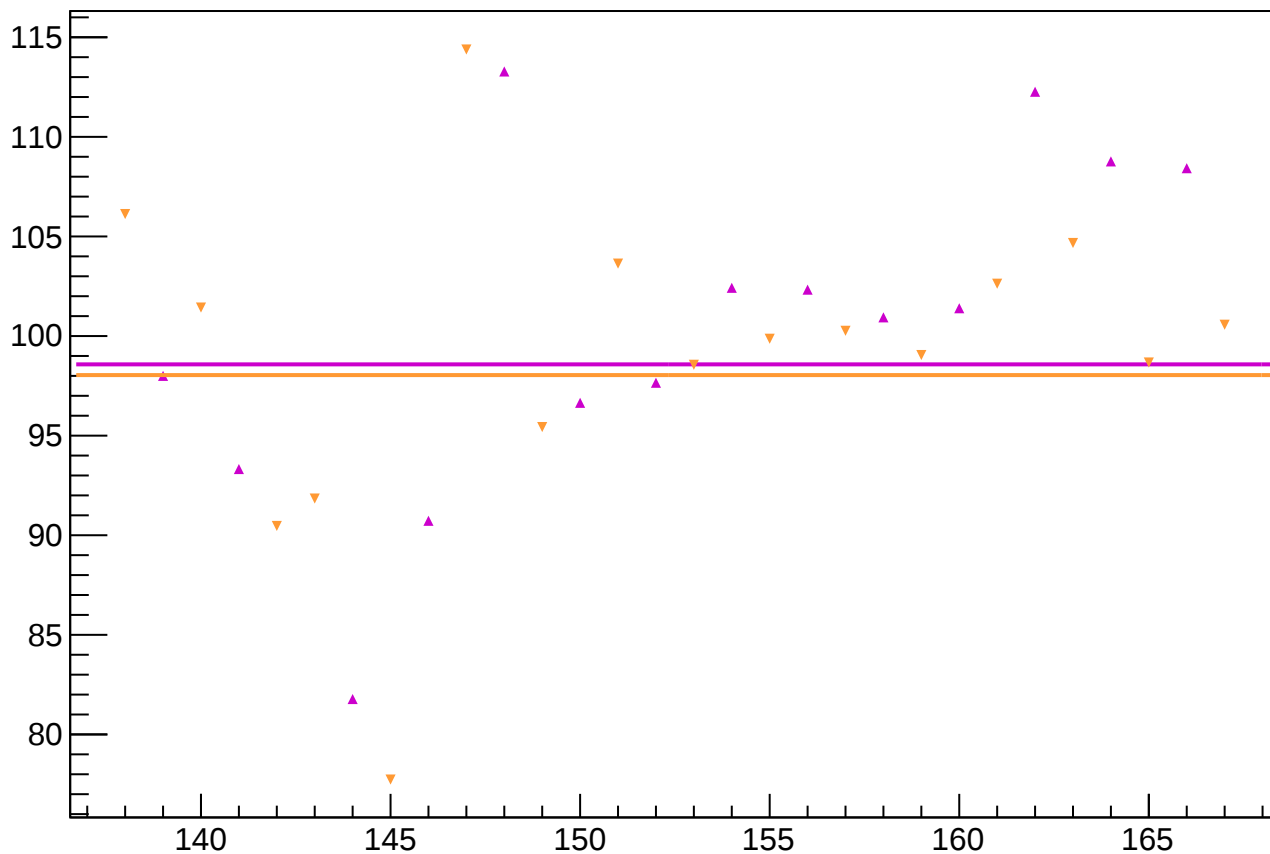
Left In: -29.921 $\pm$ 30.045 χ^2 /NDF:12.0/13

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

All: -2.337 $\pm$ 20.686 χ^2 /NDF: 26.0/29

- 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

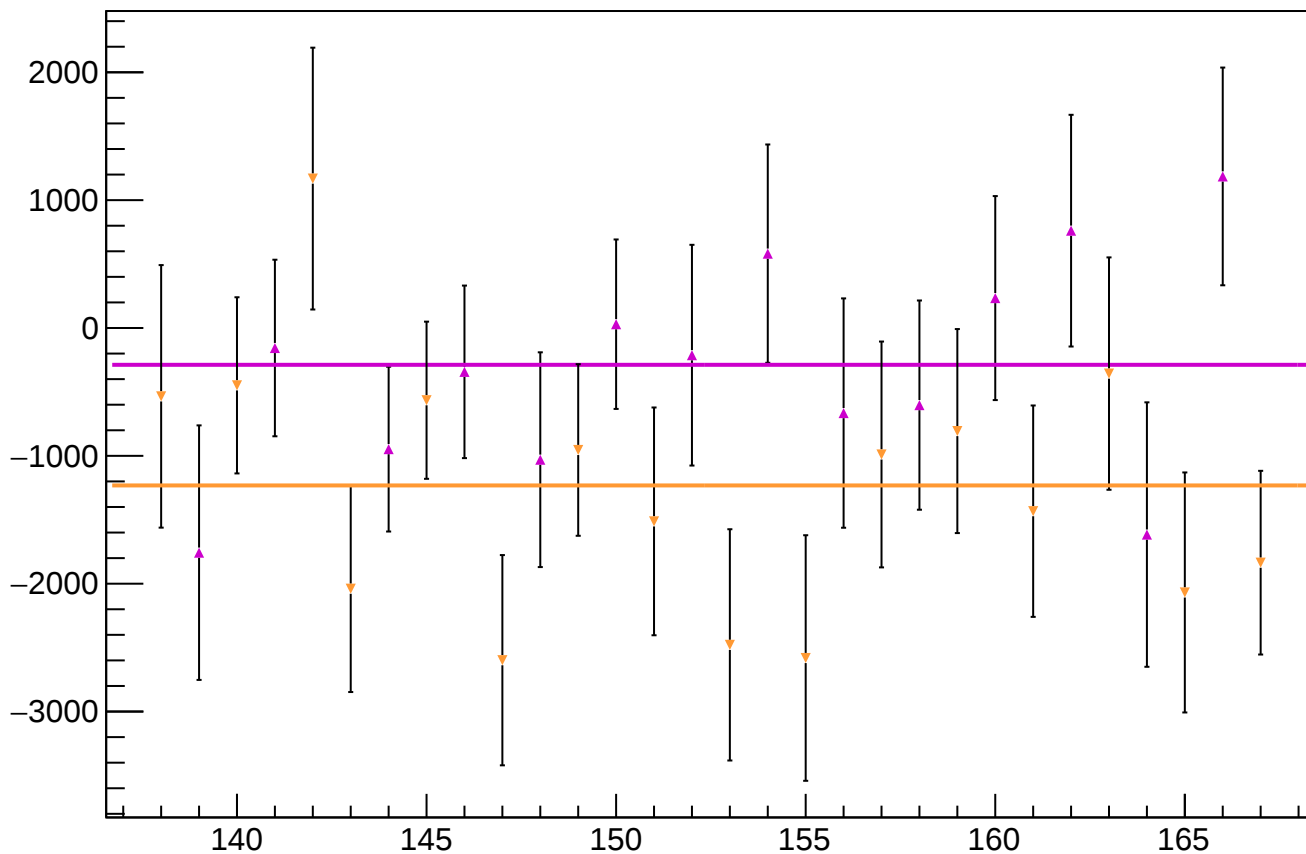
Left In: 98.579+/-0.021 χ^2/NDF : 165295.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 98.295+/-0.015 χ^2/NDF : 342205.9/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -1231.434+/-203.905 χ^2/NDF :19.2/15

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

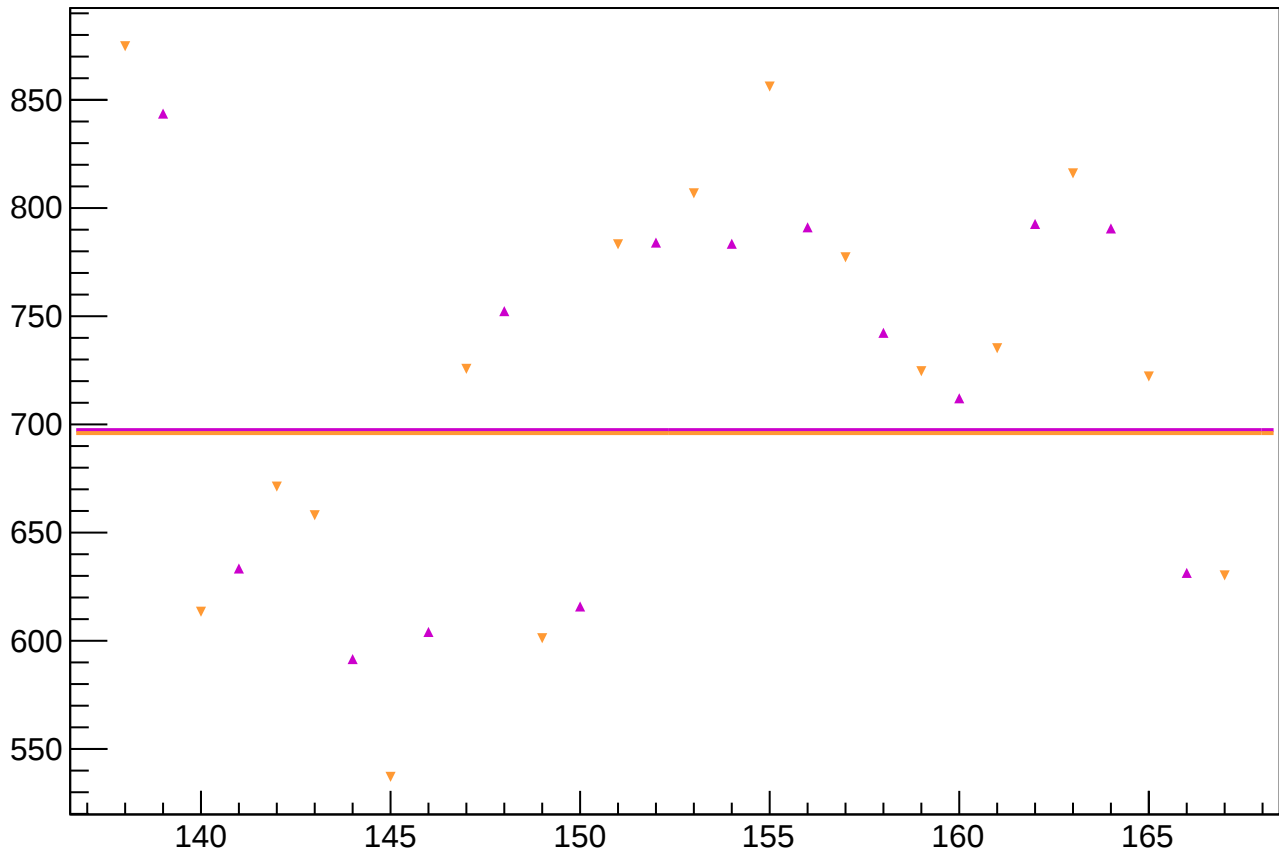
Left In: -287.998+/-213.408 χ^2/NDF :12.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -781.189+/-147.427 χ^2/NDF : 41.5/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 695.989+/-0.144 χ^2/NDF : 453113.7/15

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

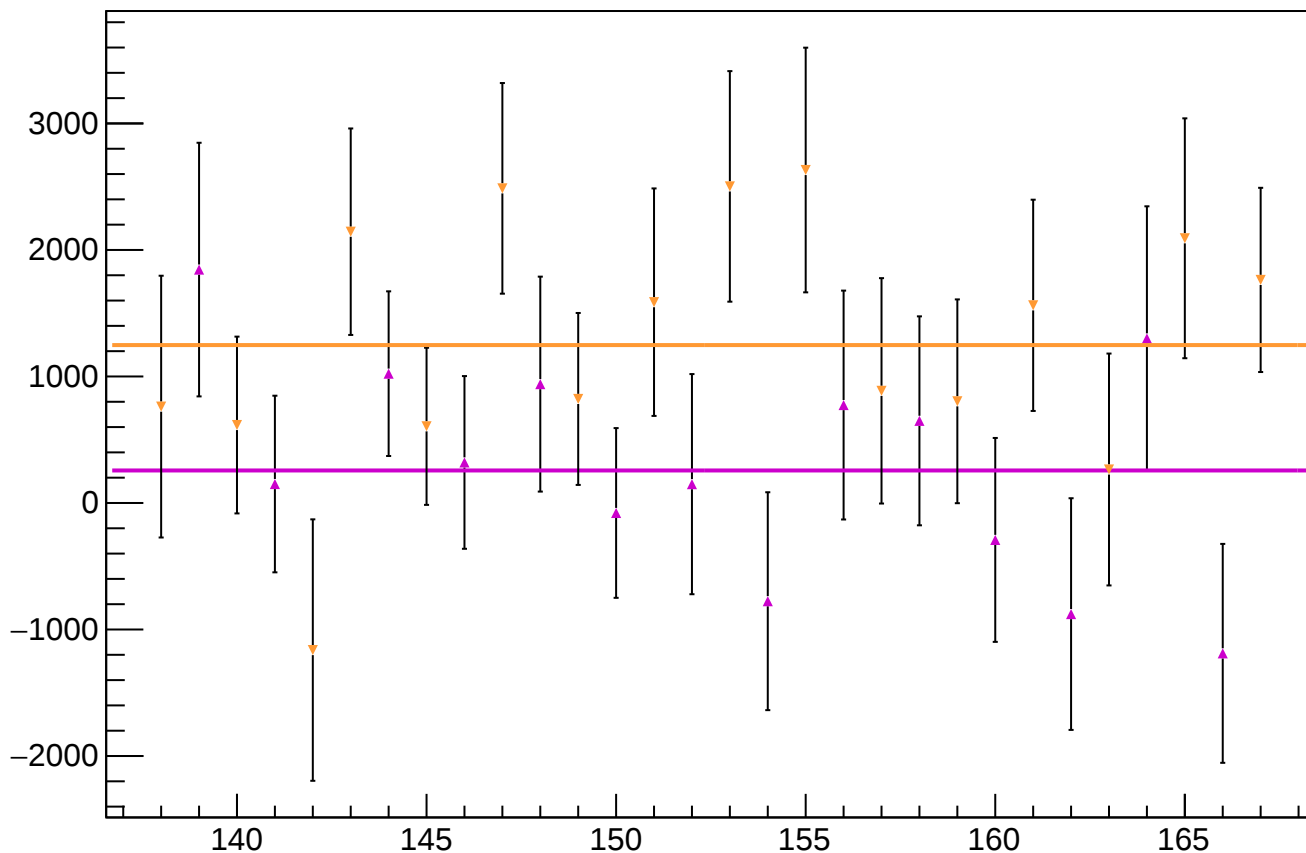
Left In: 697.358+/-0.151 χ^2/NDF : 310749.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 696.642+/-0.104 χ^2/NDF : 763906.6/29

- 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

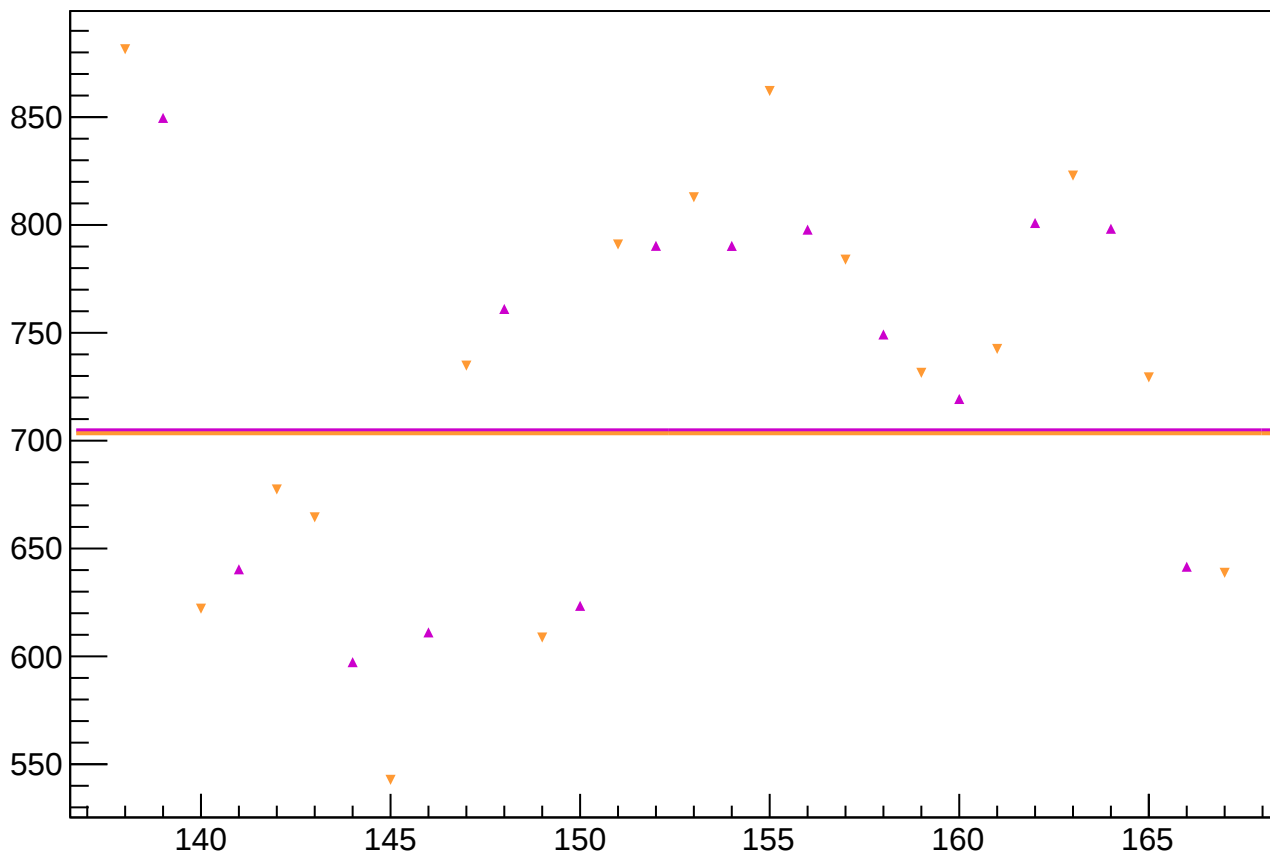
Left In: 257.046+/-215.636 χ^2/NDF : 12.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 775.160+/-148.964 χ^2/NDF : 42.2/29

- 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

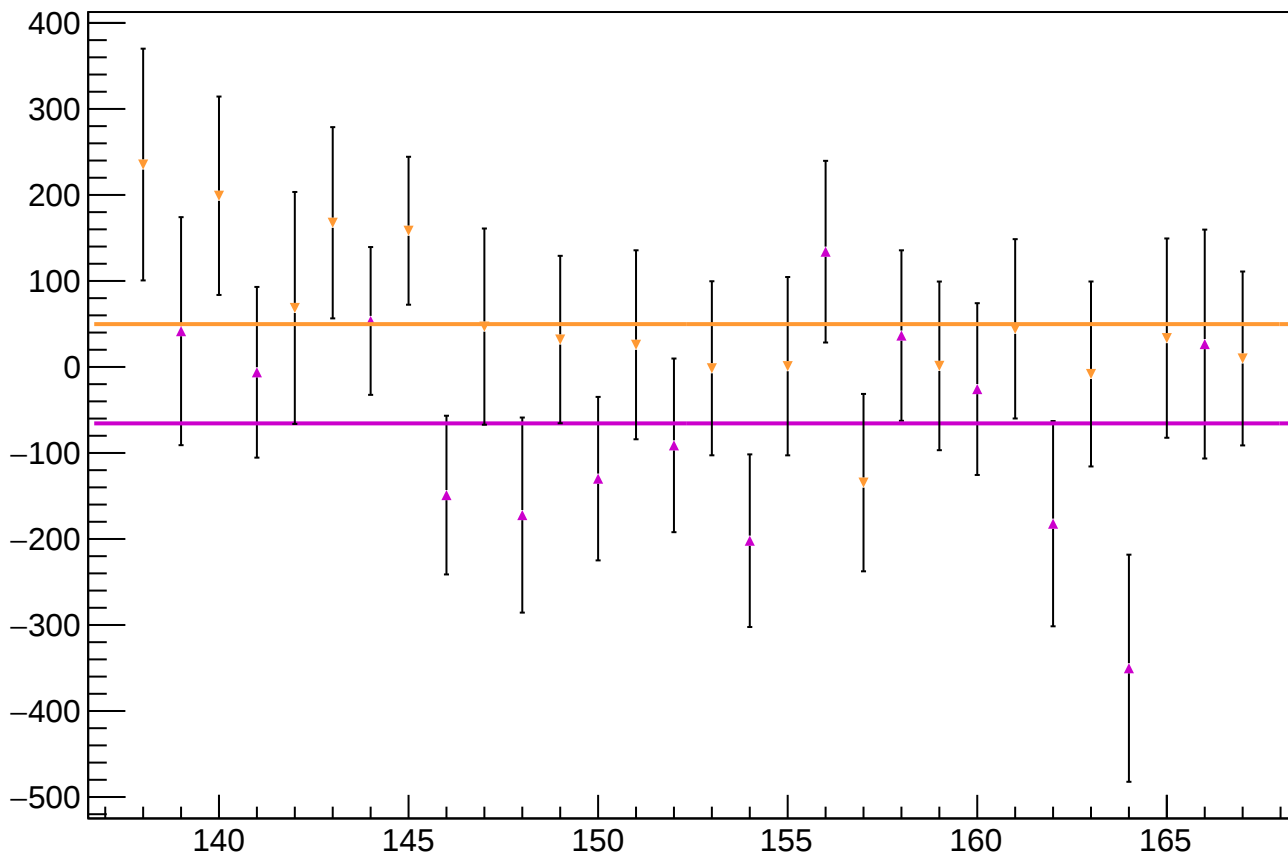
Left In: 704.787+/-0.152 χ^2/NDF : 304602.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 704.077+/-0.105 χ^2/NDF : 748366.6/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 49.813 $\pm$ 26.667 χ^2 /NDF:10.8/15

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

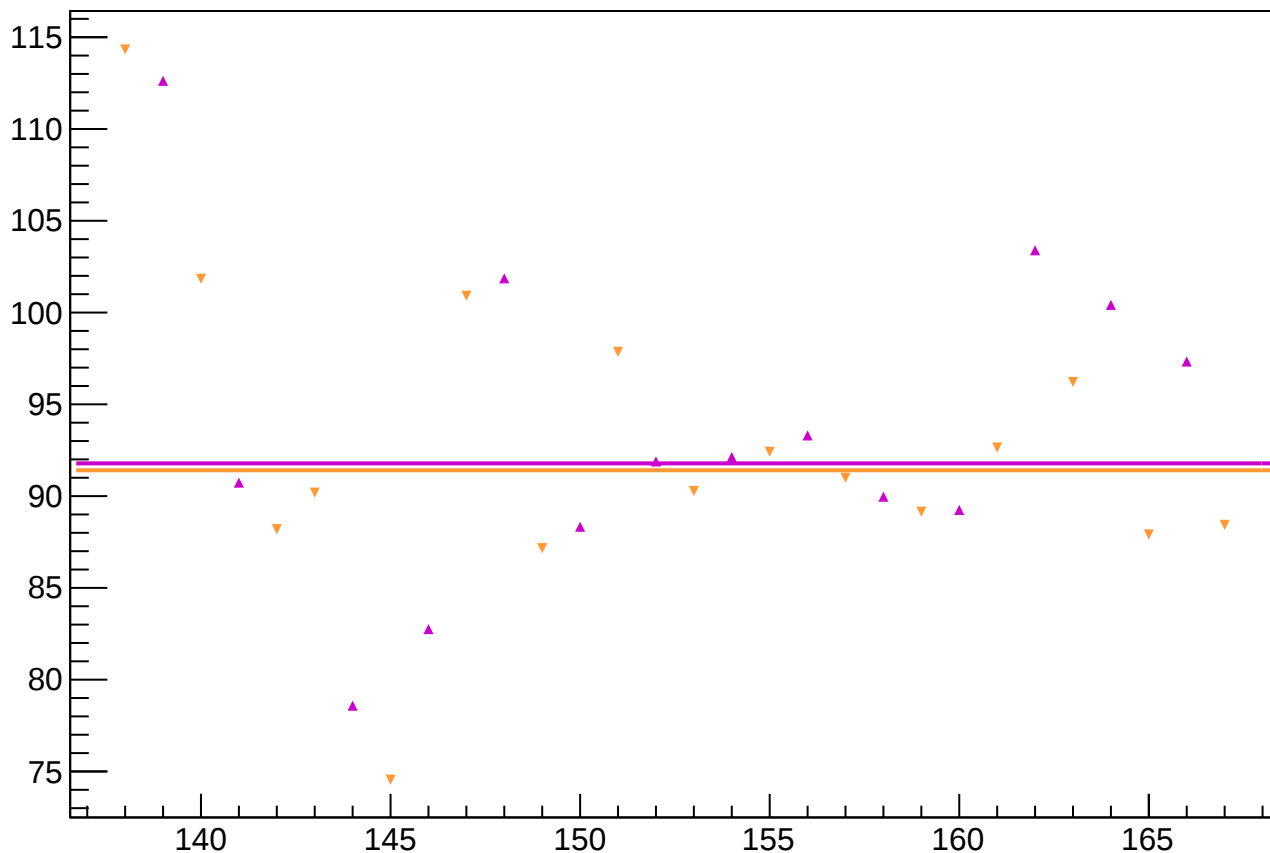
Left In: -65.600 $\pm$ 28.028 χ^2 /NDF:17.9/13

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

All: -5.024 $\pm$ 19.319 χ^2 /NDF: 37.6/29

- sign 0.000 $\pm$ 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

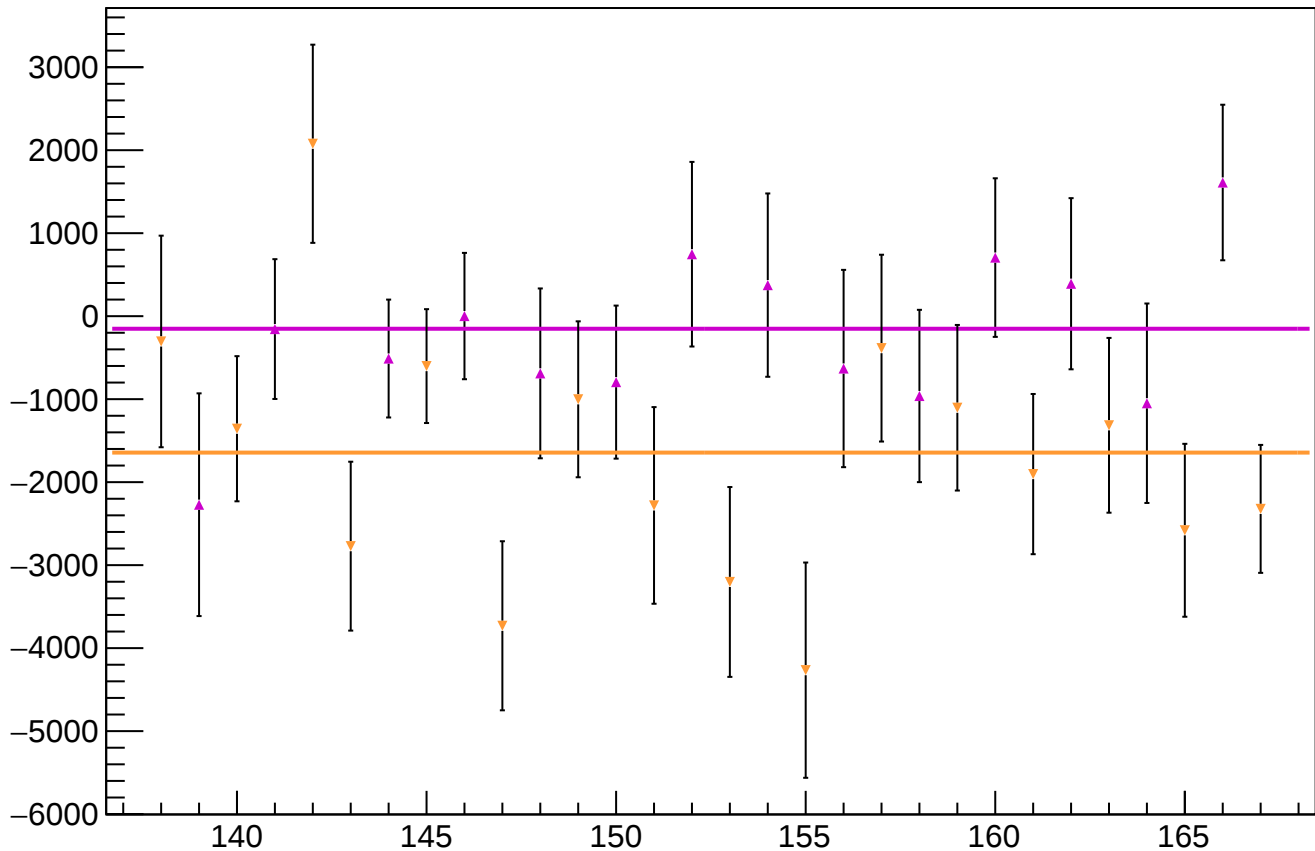
Left In: 91.784+/-0.020 χ^2/NDF :167810.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 91.586+/-0.014 χ^2/NDF : 354452.2/29

- 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

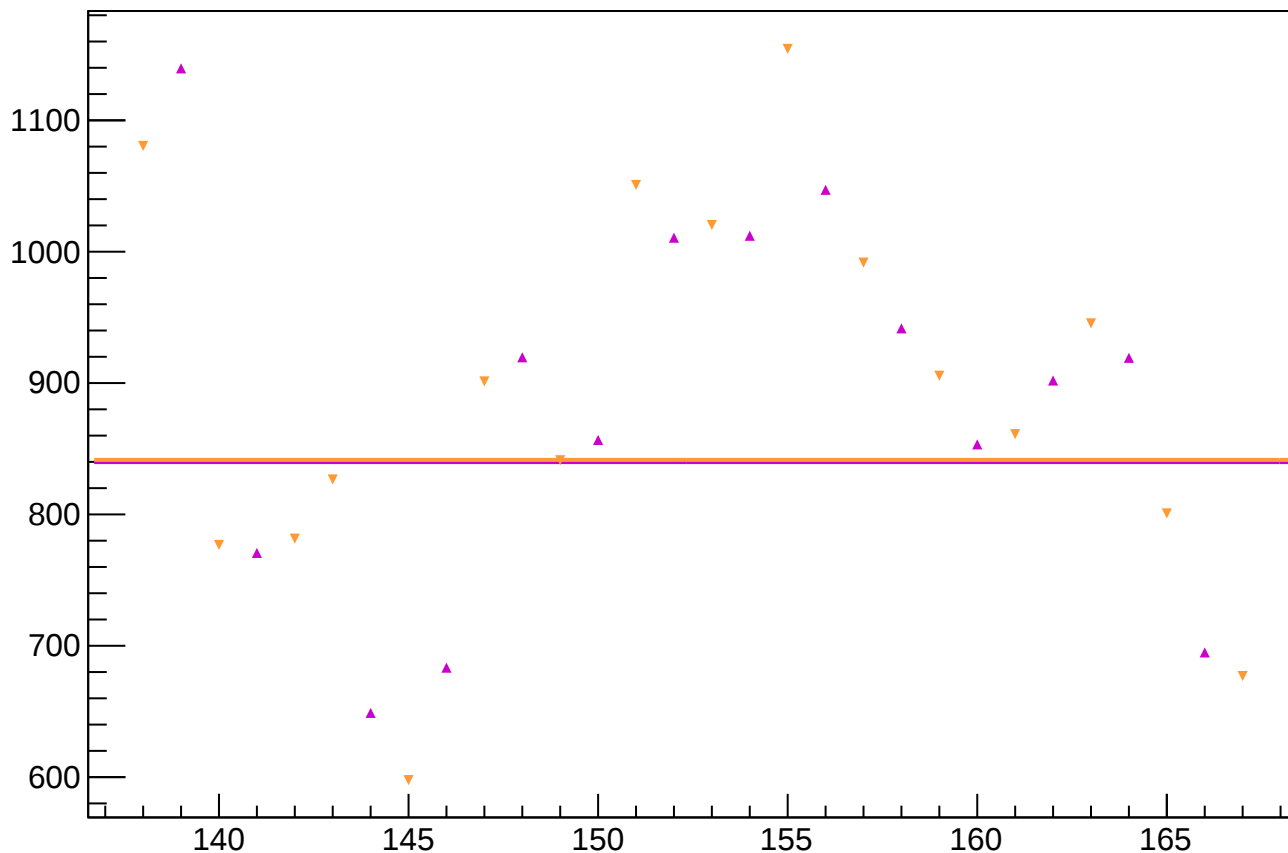
Left In: -151.567 $\pm$ 258.763 χ^2 /NDF:10.4/13

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

All: -929.314 $\pm$ 179.054 χ^2 /NDF: 56.4/29

- 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

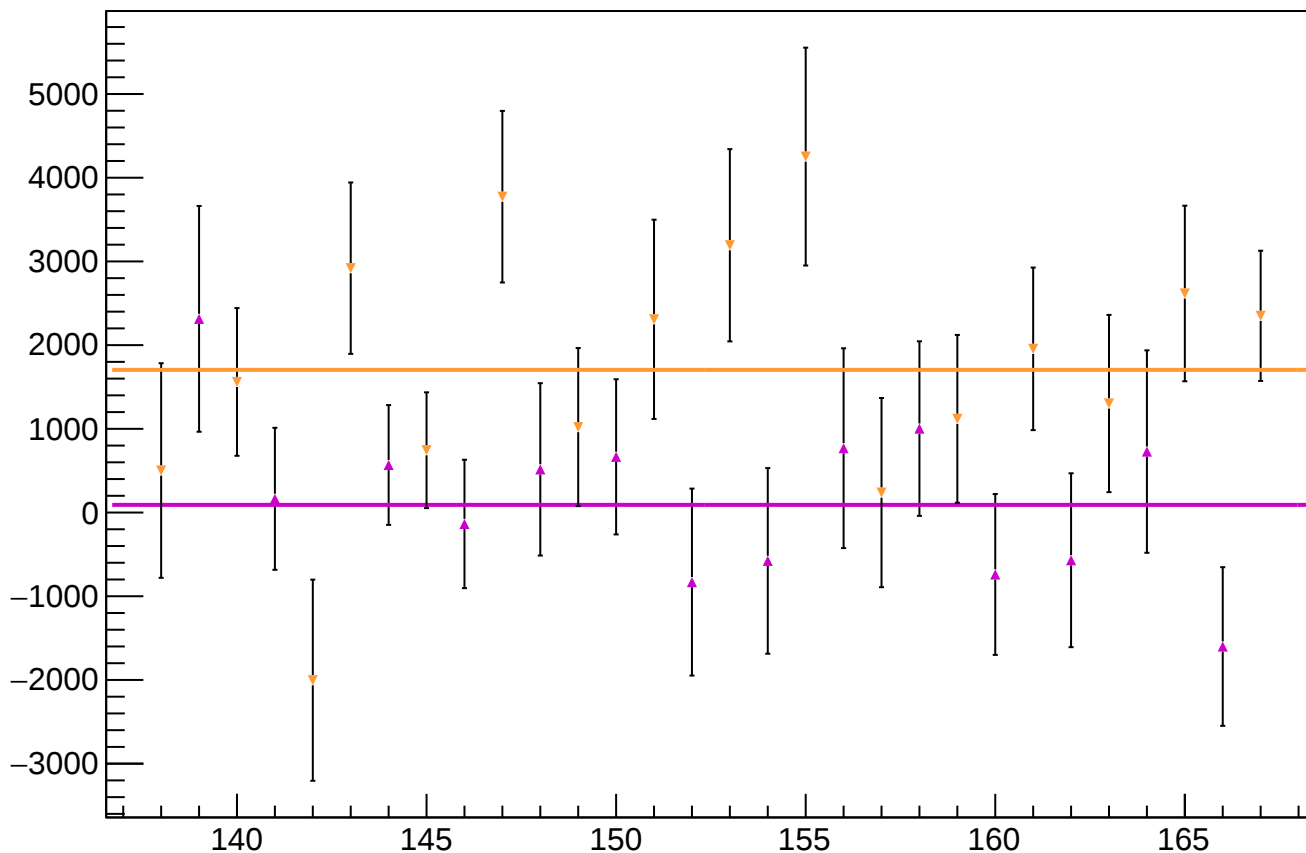
Left In: 839.848+/-0.183 χ^2/NDF : 595264.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 840.722+/-0.127 χ^2/NDF : 1327631.0/29

- 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

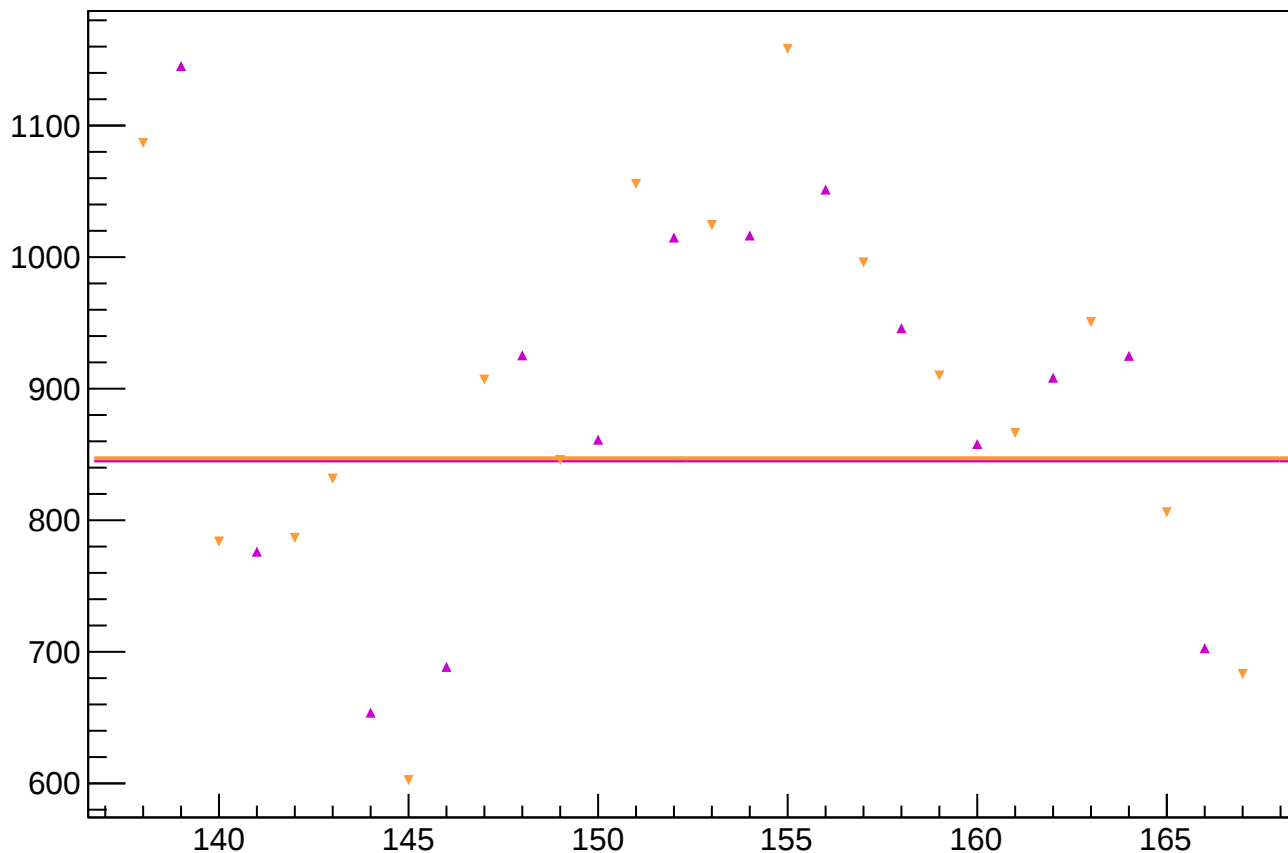
Left In: 91.699+/-260.433 χ^2/NDF : 10.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 932.464+/-180.203 χ^2/NDF : 58.4/29

- 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

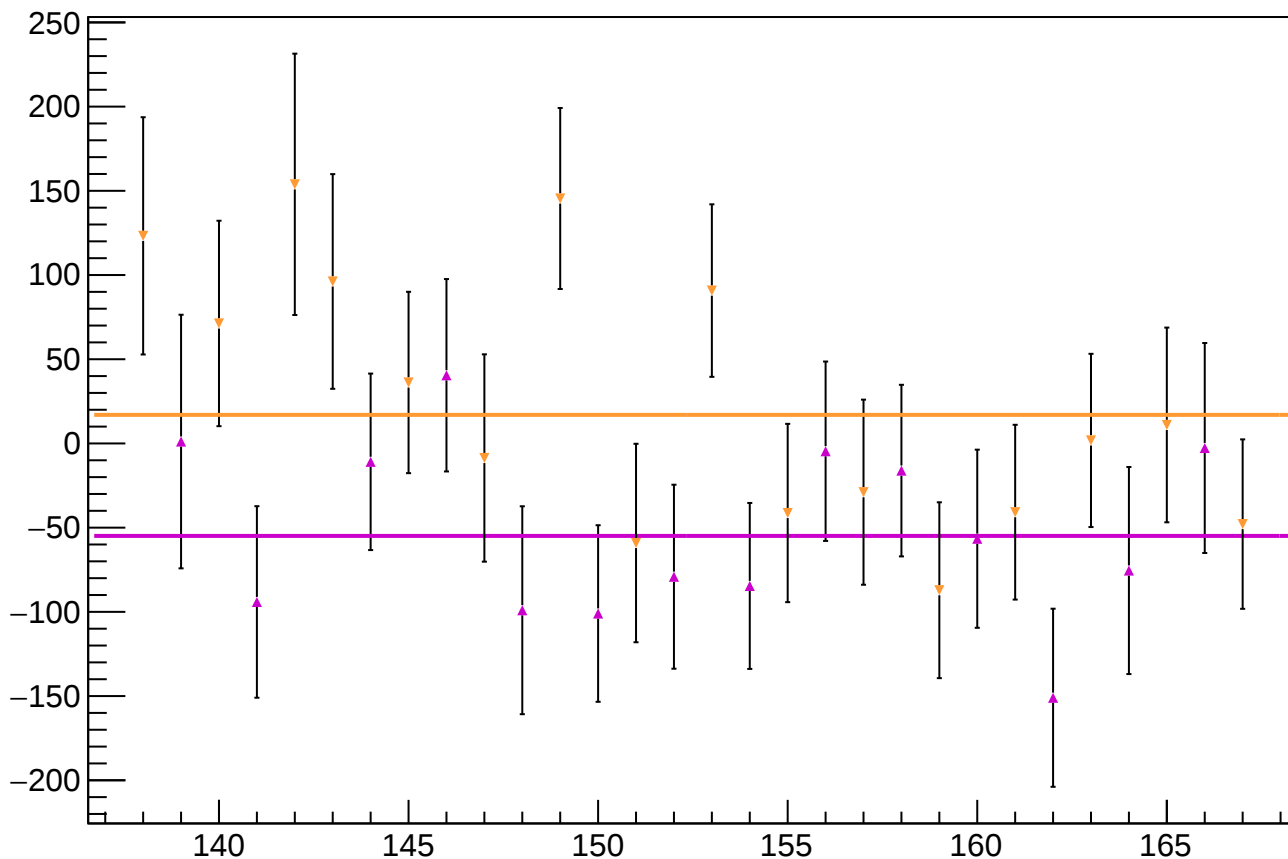
Left In: 845.484+/-0.184 χ^2/NDF : 585423.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 846.337+/-0.127 χ^2/NDF : 1306169.2/29

- 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

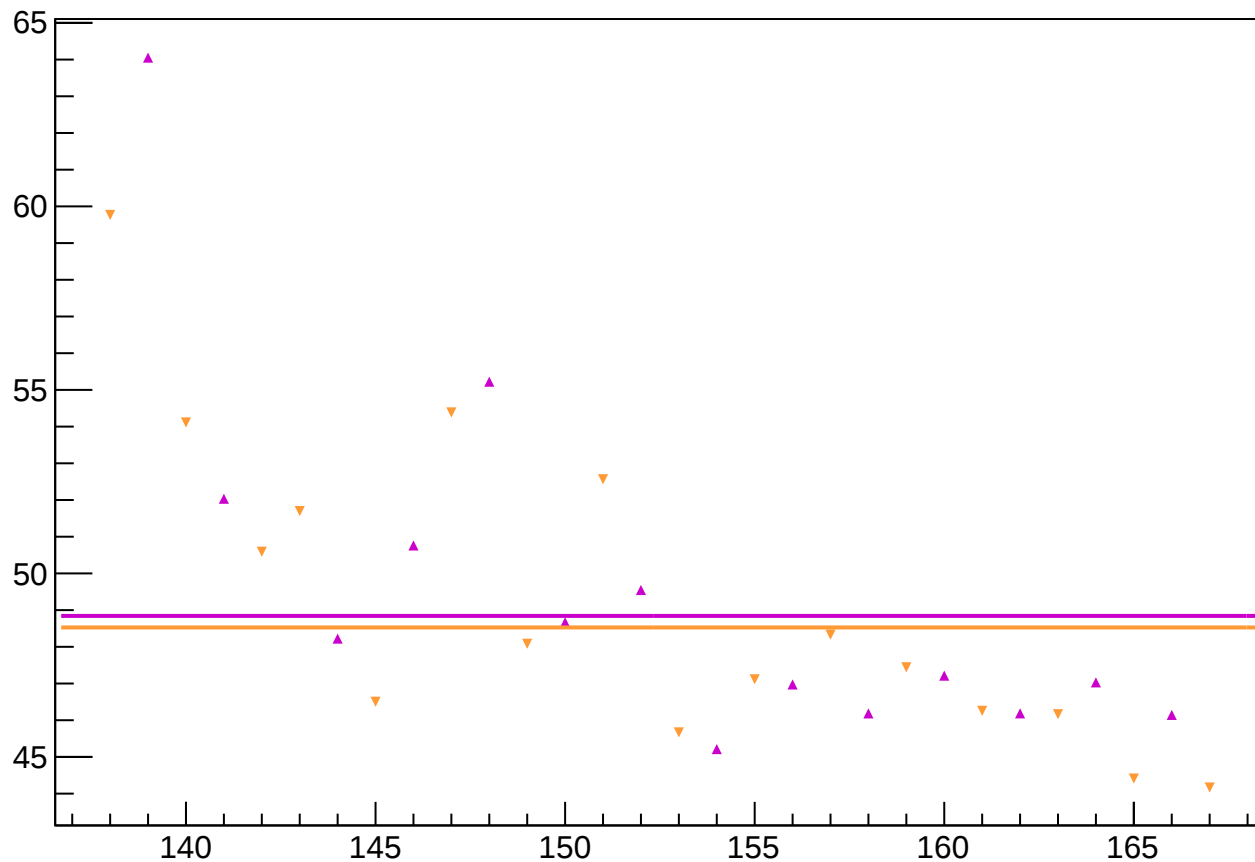
Left In: -54.905+/-14.899 χ^2/NDF : 12.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.076+/-10.254 χ^2/NDF : 50.6/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 48.527 $\pm$ 0.010 χ^2/NDF :146296.1/15

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

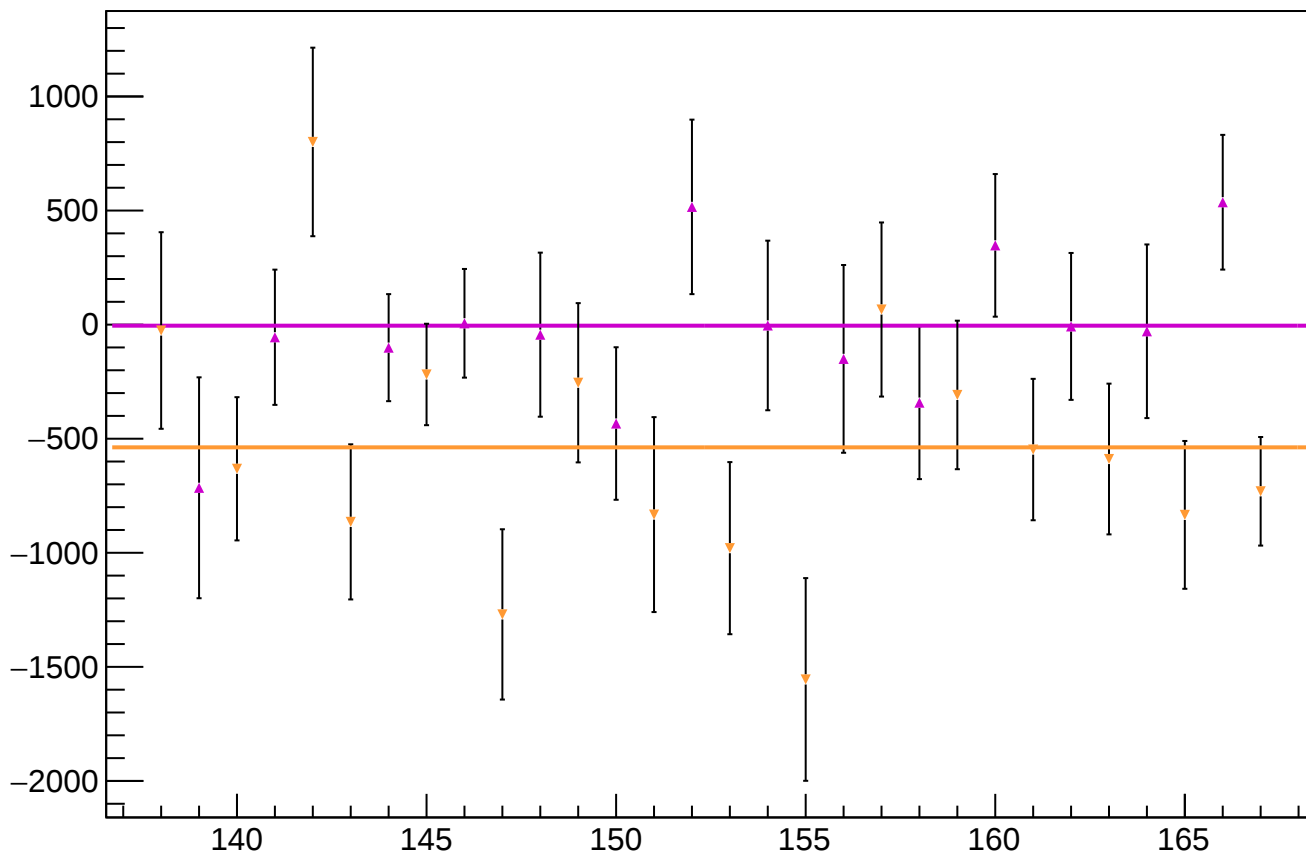
Left In: 48.842 $\pm$ 0.011 χ^2/NDF :143360.0/13

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

All: 48.676 $\pm$ 0.007 χ^2/NDF : 290126.7/29

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

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -537.862+/-82.671 χ^2/NDF : 31.1/15

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

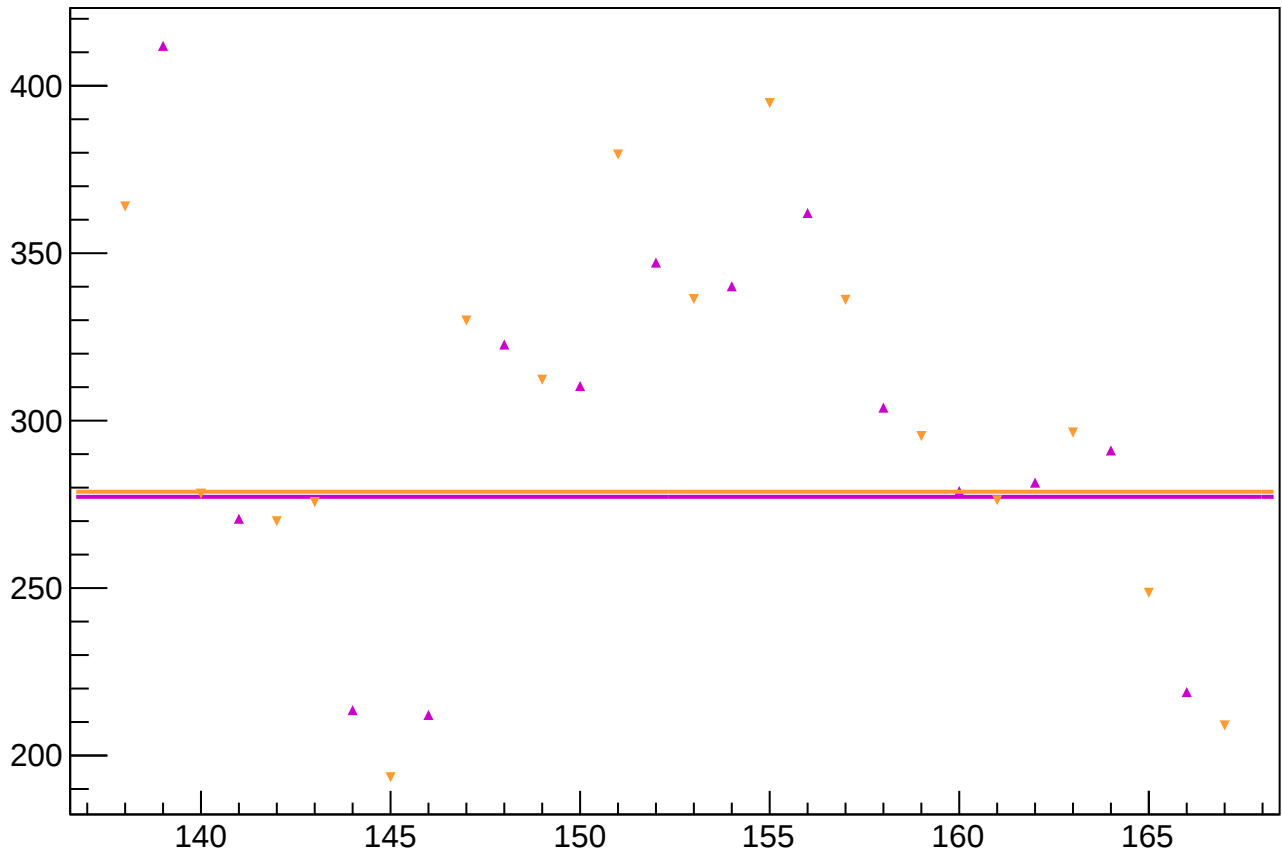
Left In: -4.606+/-85.977 χ^2/NDF : 11.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -281.685+/-59.592 χ^2/NDF : 62.7/29

- sign 0.000+/-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

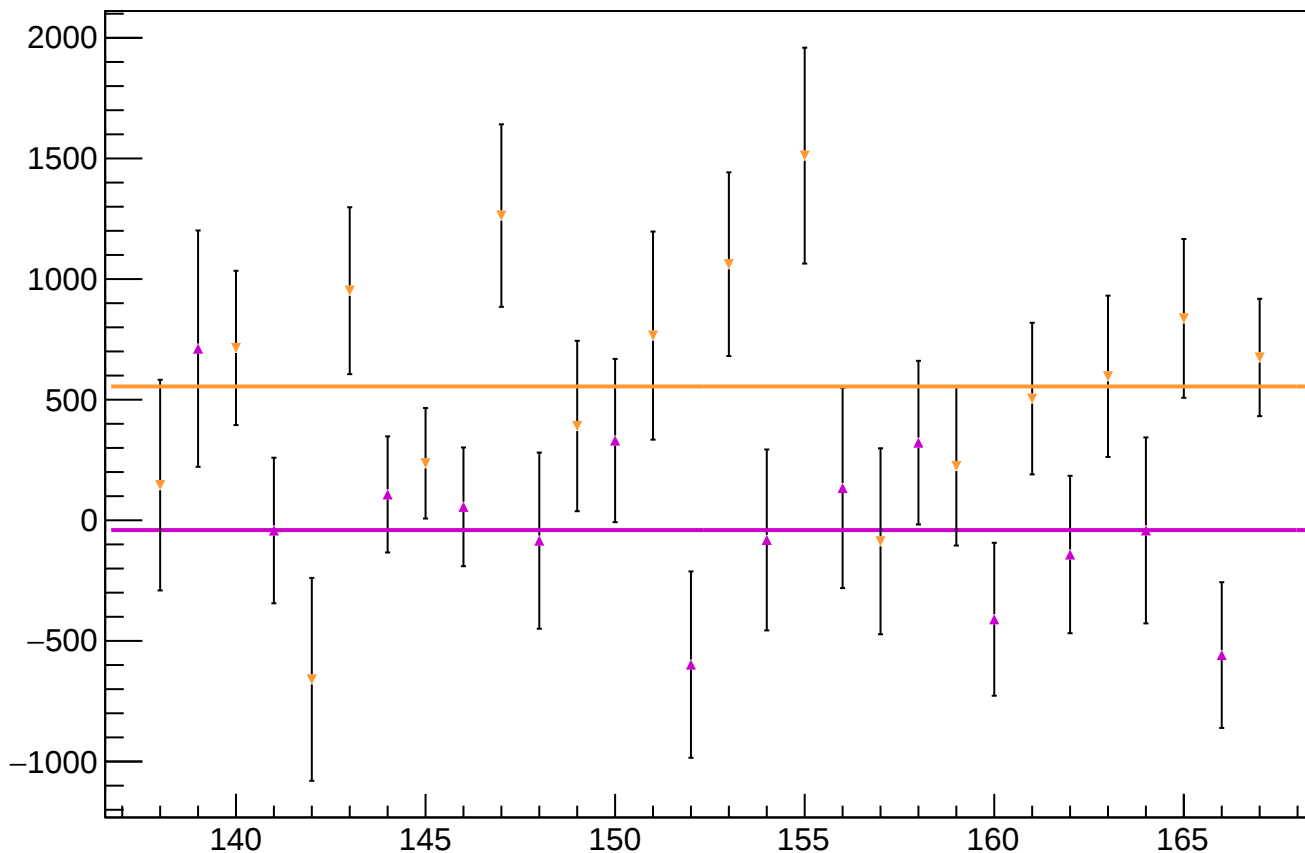
Left In: 277.250+/-0.061 χ^2/NDF : 806981.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 278.044+/-0.042 χ^2/NDF : 1776504.9/29

- 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

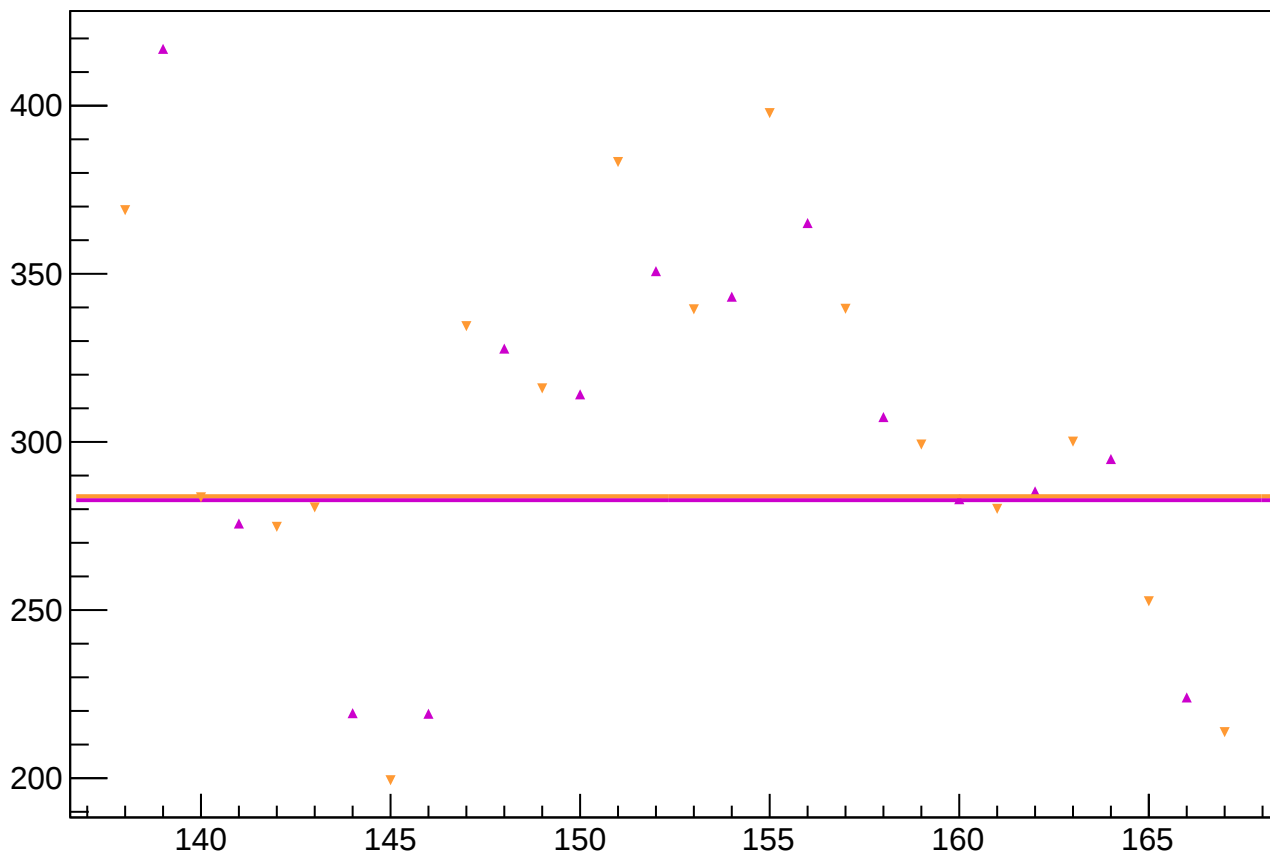
Left In: -40.647+/-87.539 χ^2/NDF : 11.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 269.085+/-60.637 χ^2/NDF : 63.8/29

- 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

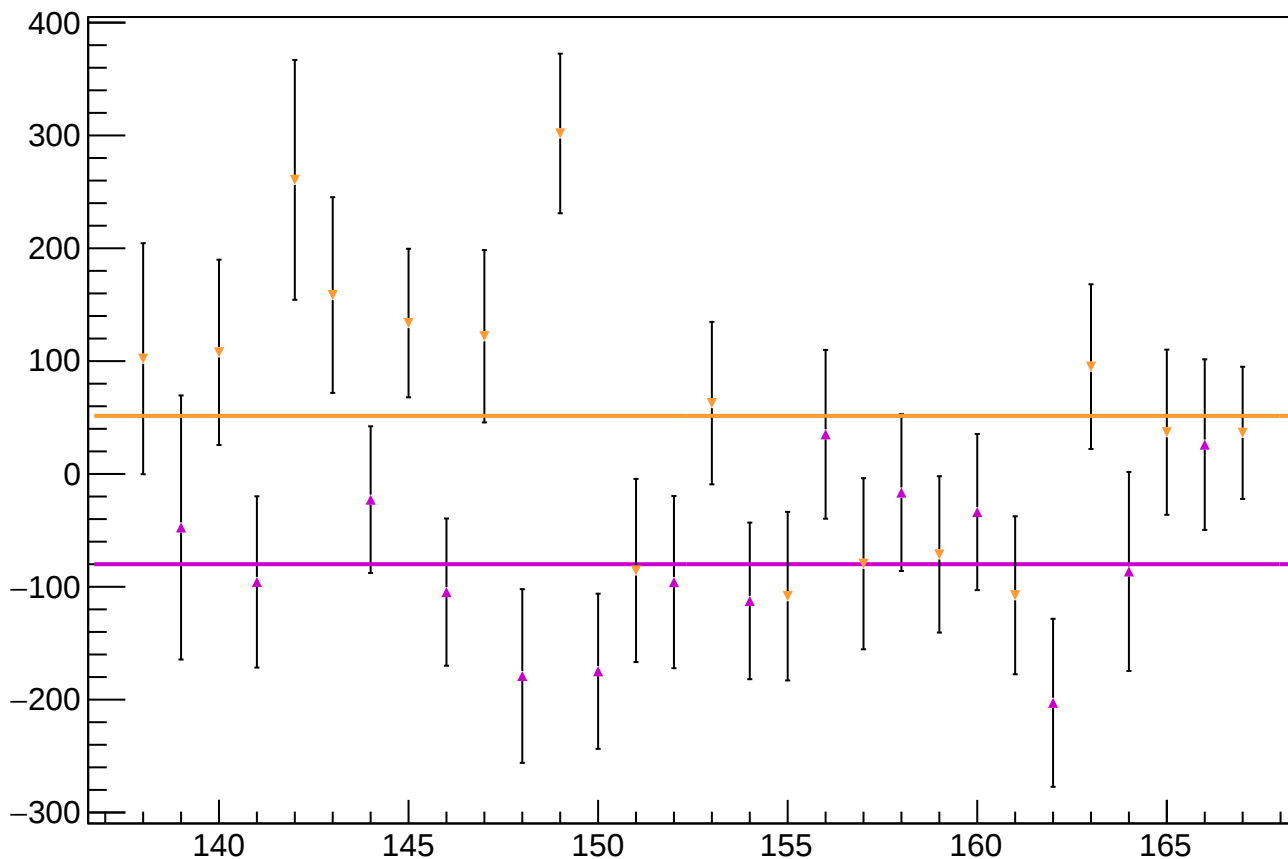
Left In: 282.691+/-0.062 χ^2/NDF : 752071.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 283.299+/-0.043 χ^2/NDF : 1667380.5/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 51.523+/-18.753 χ^2/NDF : 40.2/15

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

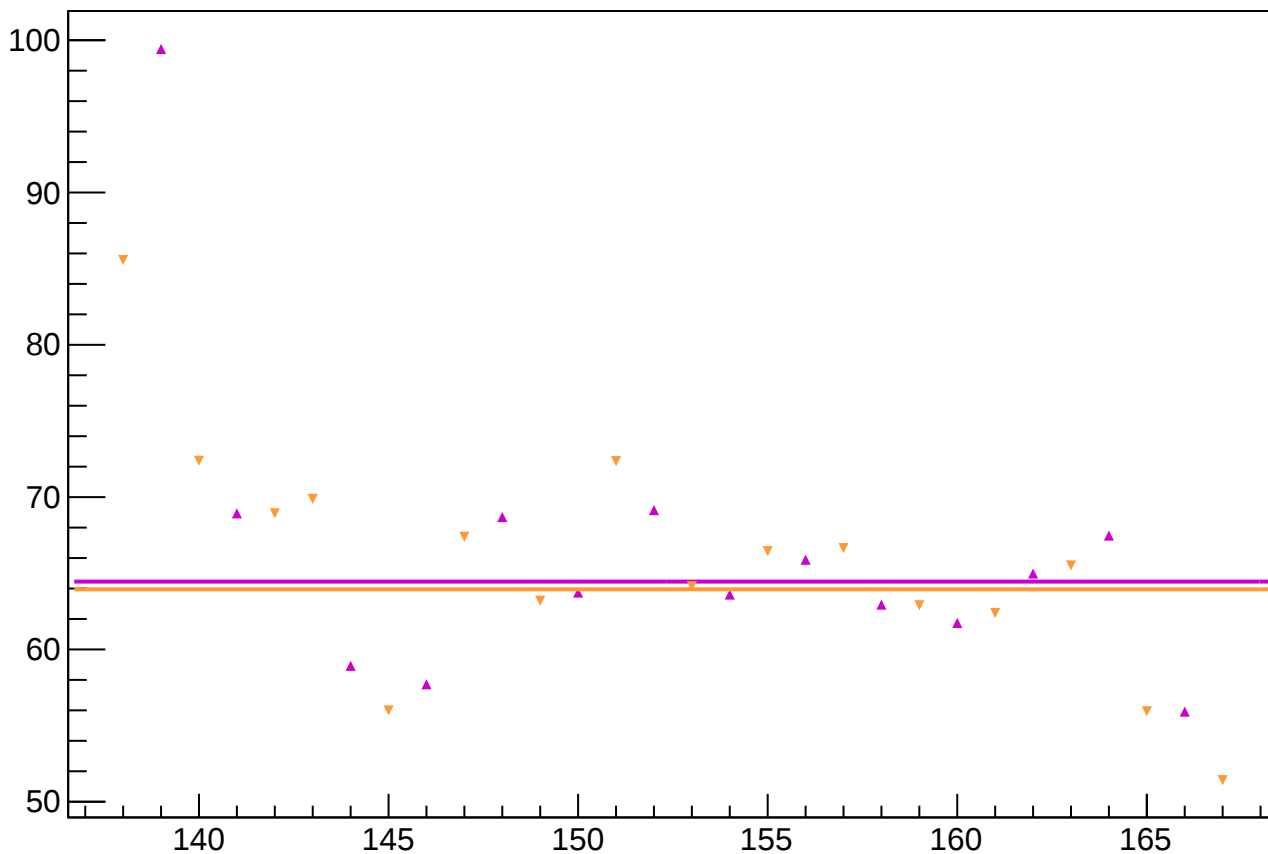
Left In: -79.965+/-19.778 χ^2/NDF : 13.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -10.725+/-13.609 χ^2/NDF : 76.7/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 63.946+/-0.013 χ^2/NDF :301735.6/15

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

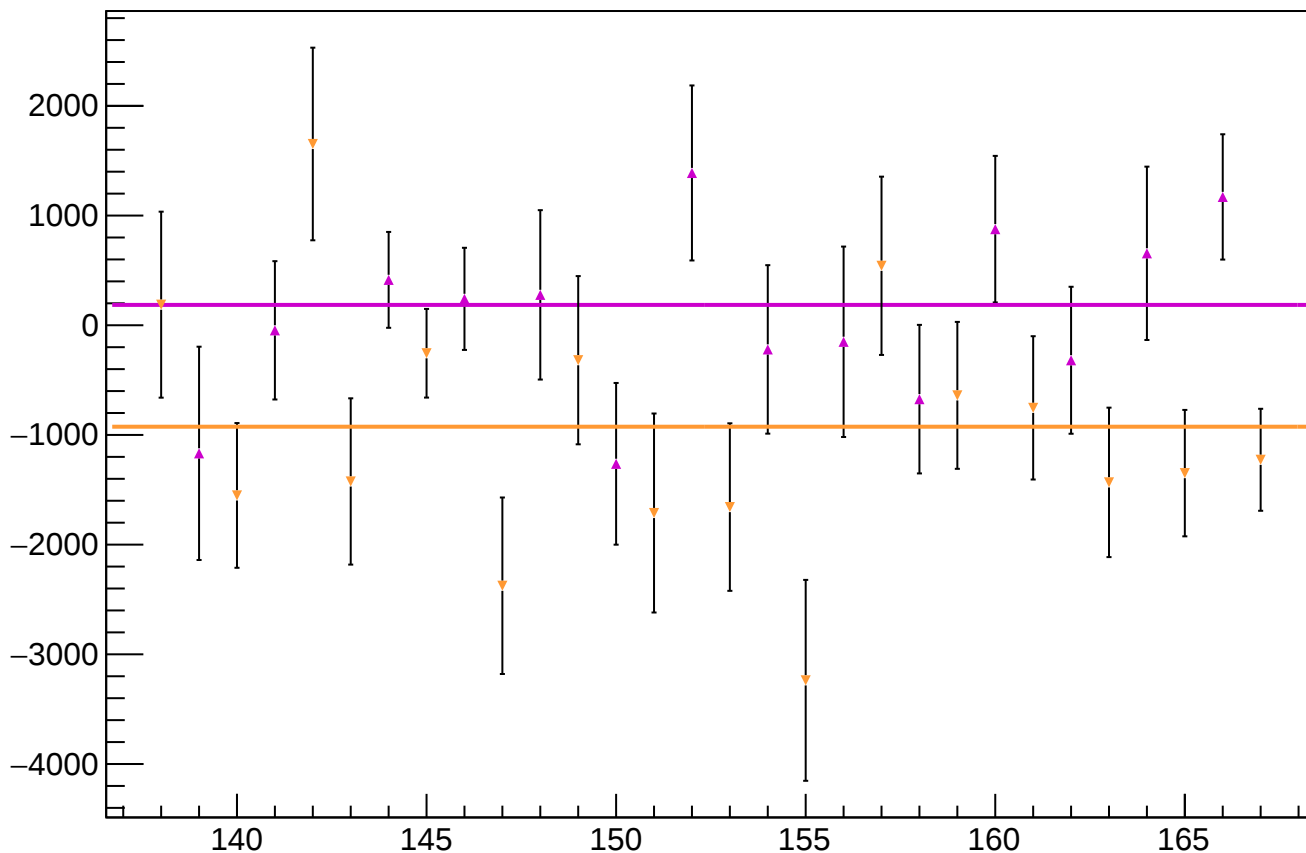
Left In: 64.454+/-0.014 χ^2/NDF :268313.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 64.187+/-0.010 χ^2/NDF : 570744.6/29

- 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

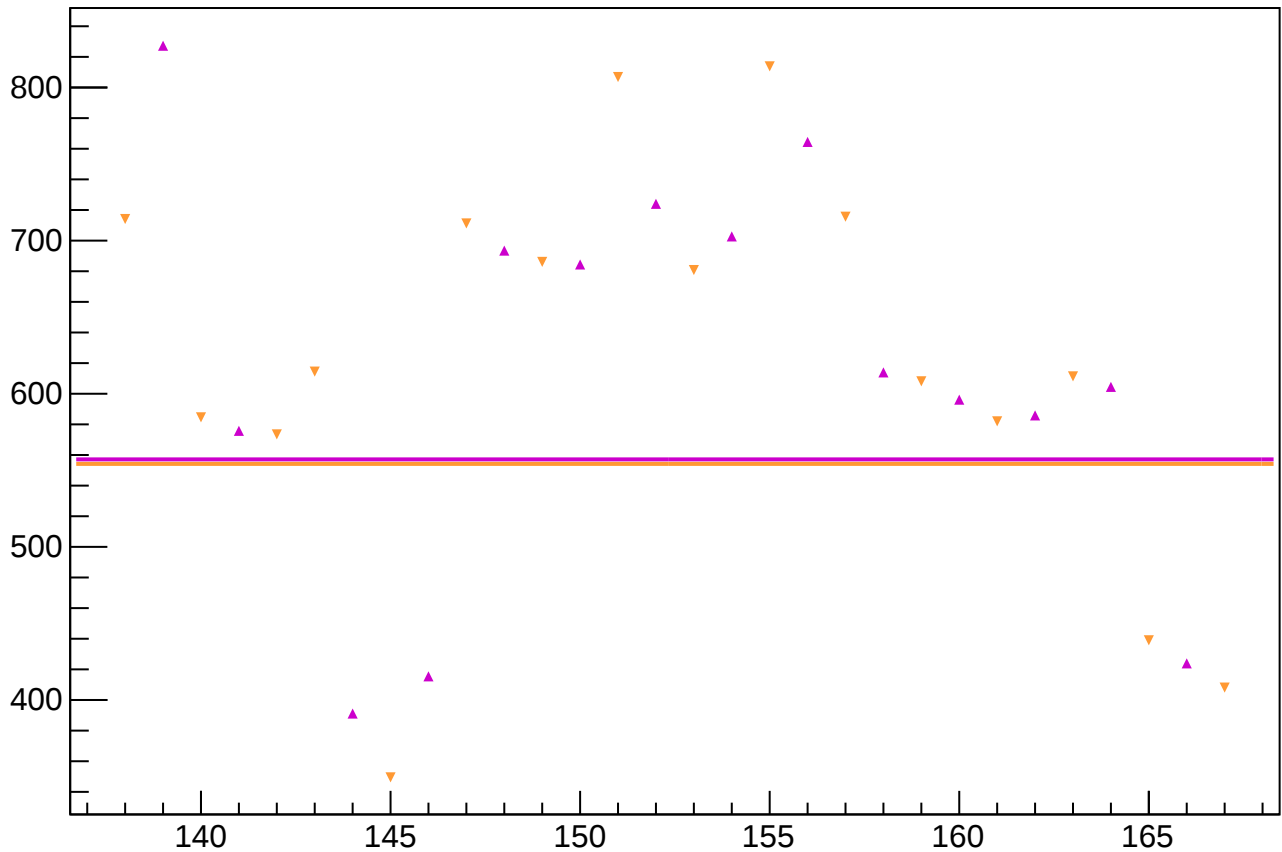
Left In: 185.452+/-174.472 χ^2/NDF : 15.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -395.852+/-120.434 χ^2/NDF : 68.1/29

- 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

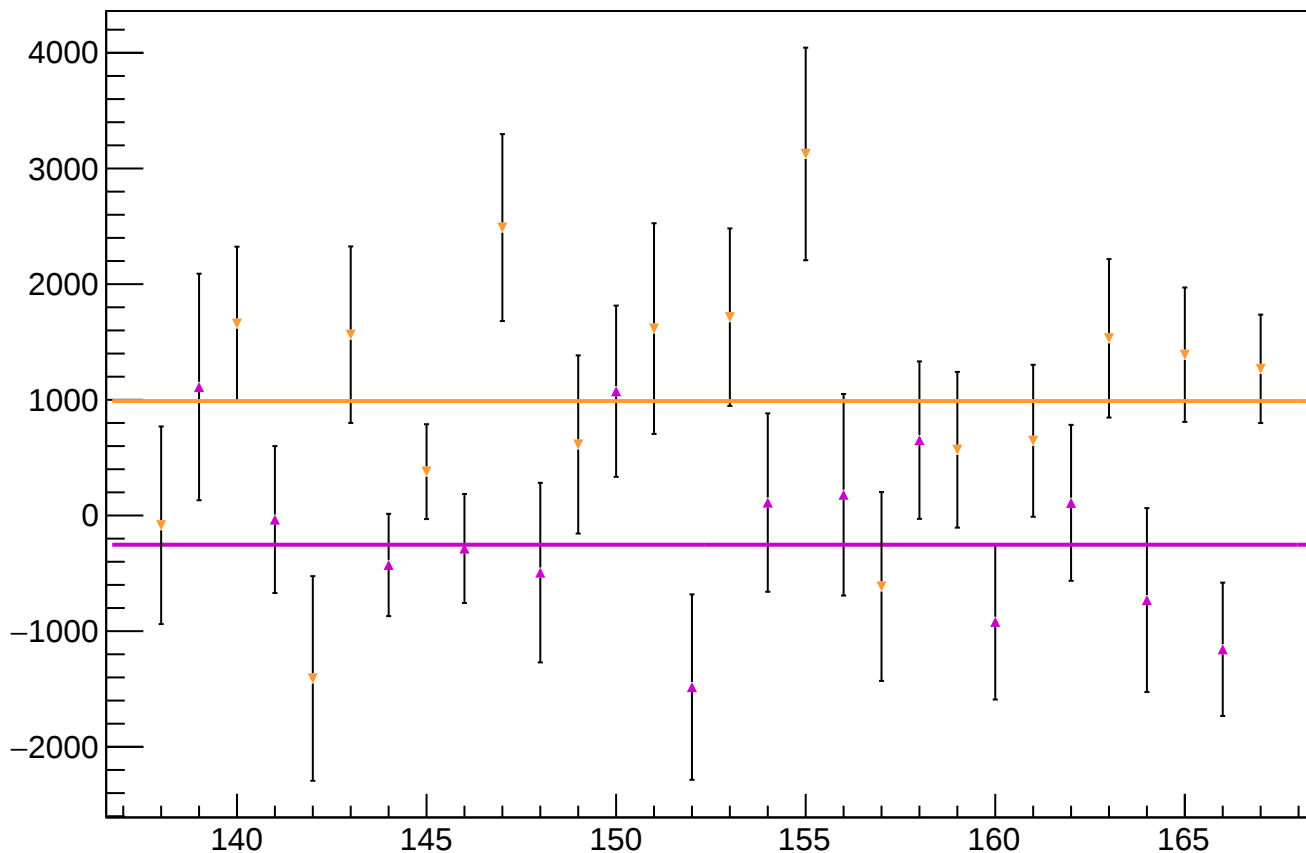
Left In: 557.133+/-0.123 χ^2/NDF :1166034.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 555.590+/-0.085 χ^2/NDF : 2661700.0/29

- 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

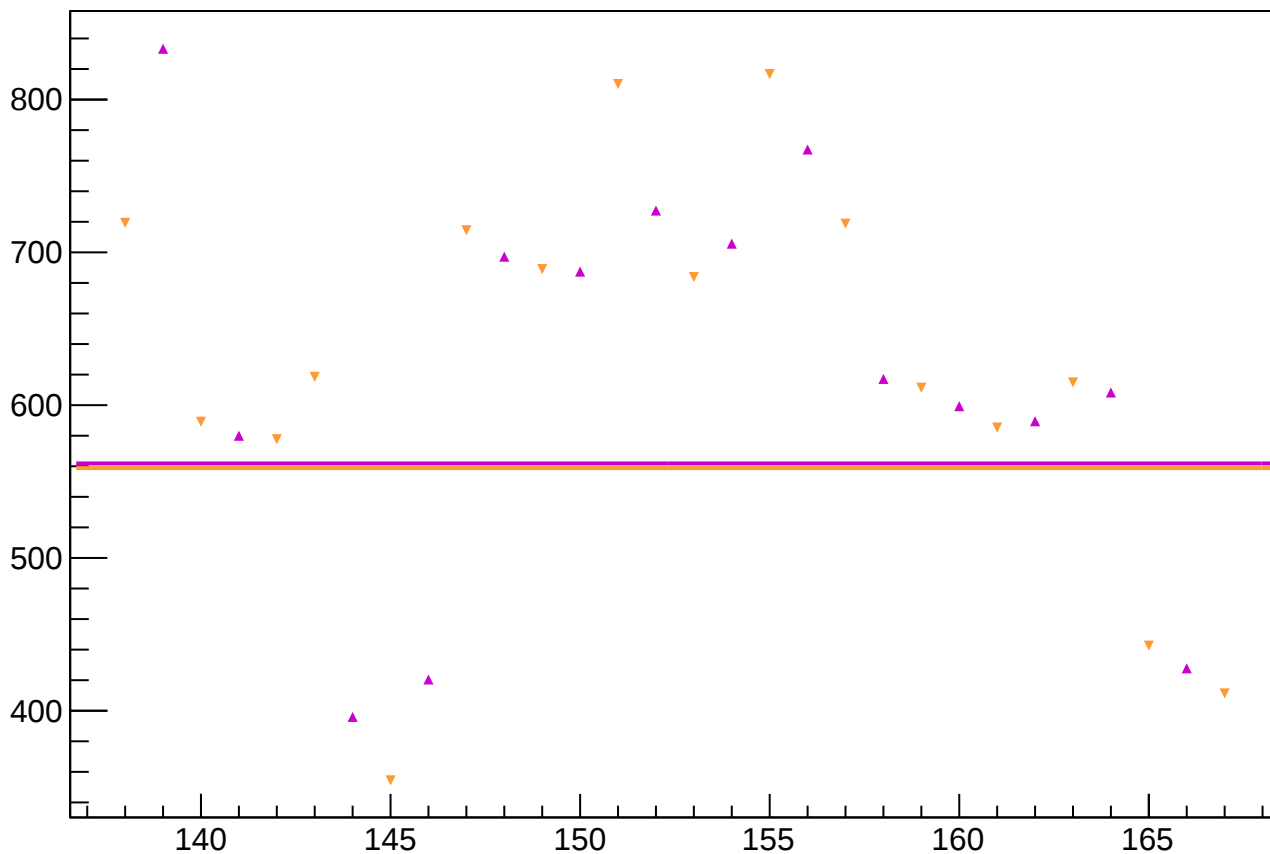
Left In: -252.781+/-175.832 χ^2/NDF : 14.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 397.542+/-121.360 χ^2/NDF : 69.5/29

- 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

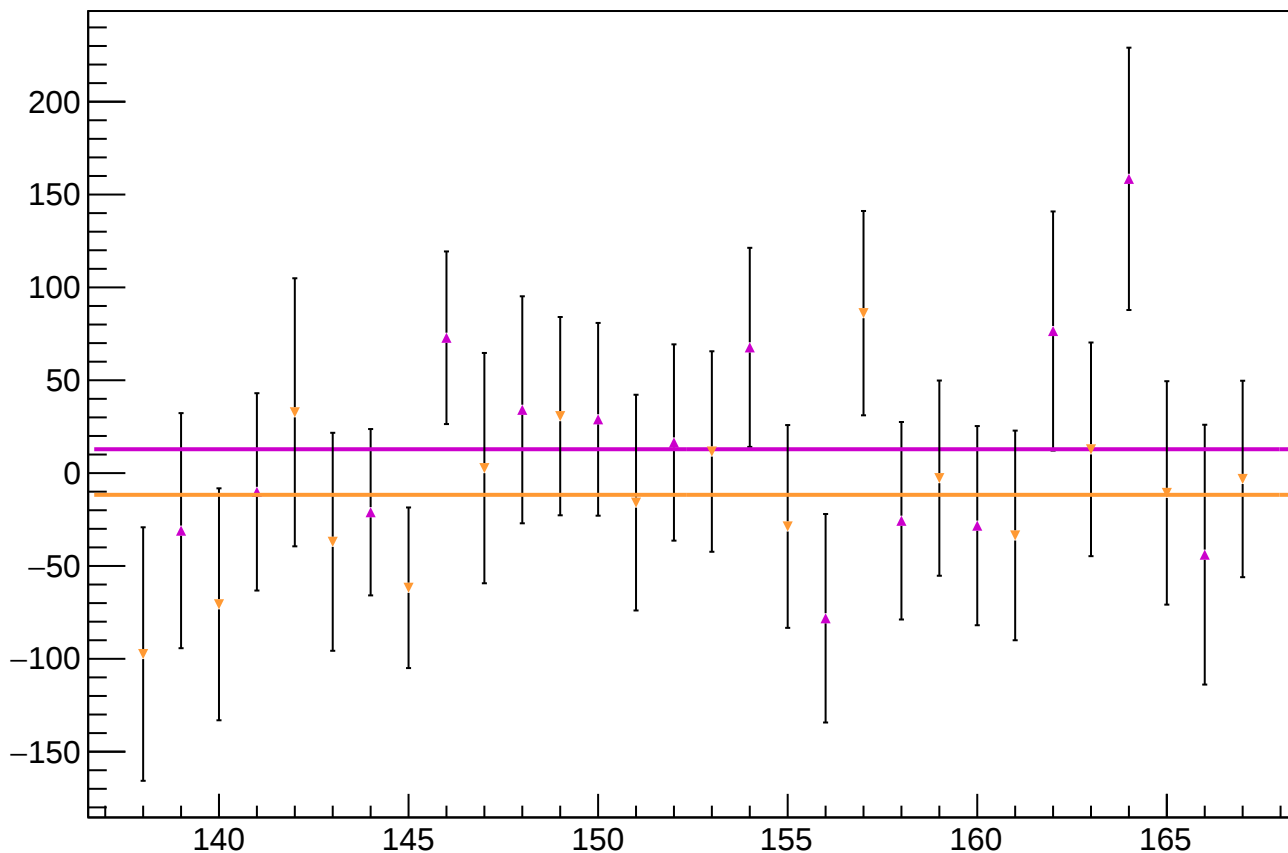
Left In: 561.863+/-0.124 χ^2/NDF :1138964.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 560.258+/-0.086 χ^2/NDF : 2602164.4/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -11.693 $\pm$ 14.119 χ^2 /NDF: 8.9/15

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

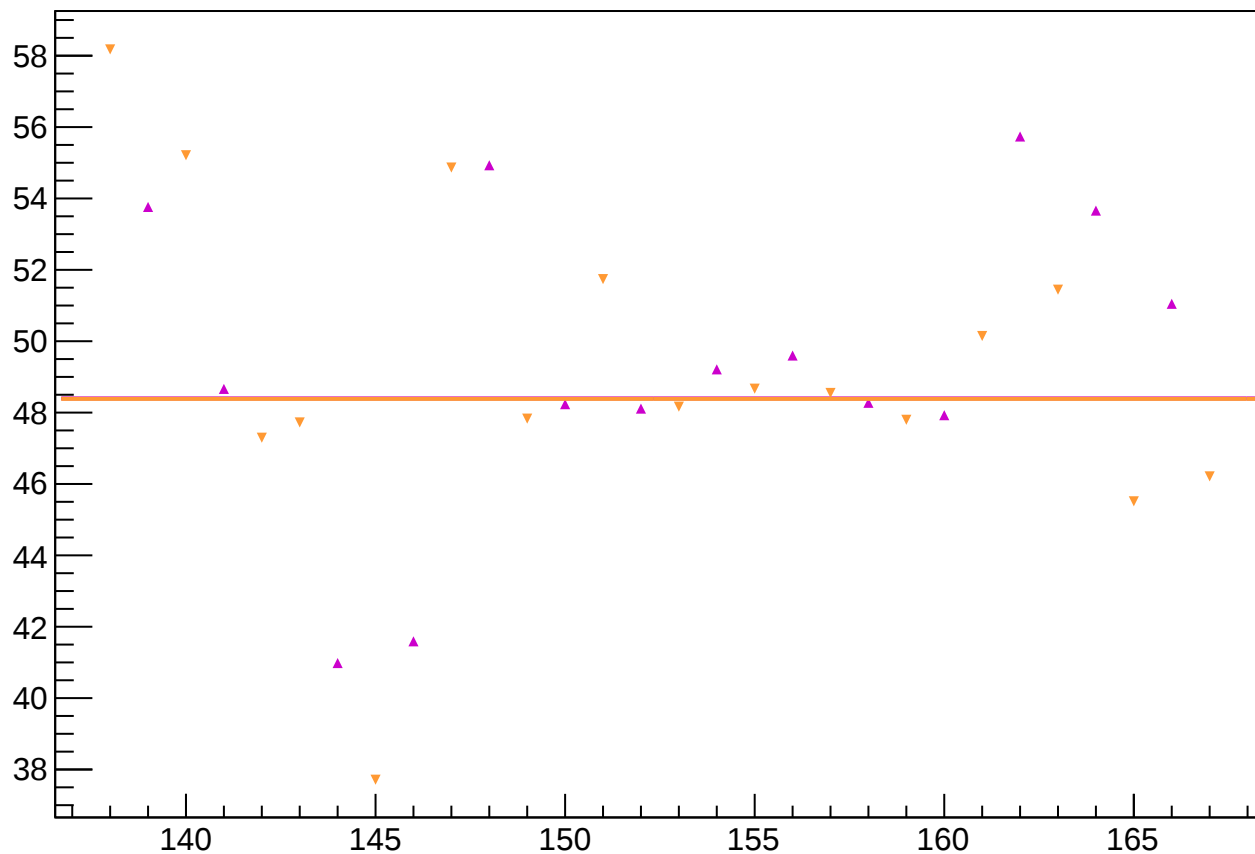
Left In: 12.856 $\pm$ 14.784 χ^2 /NDF: 13.8/13

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

All: 0.017 $\pm$ 10.211 χ^2 /NDF: 24.1/29

- sign 0.000 $\pm$ 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

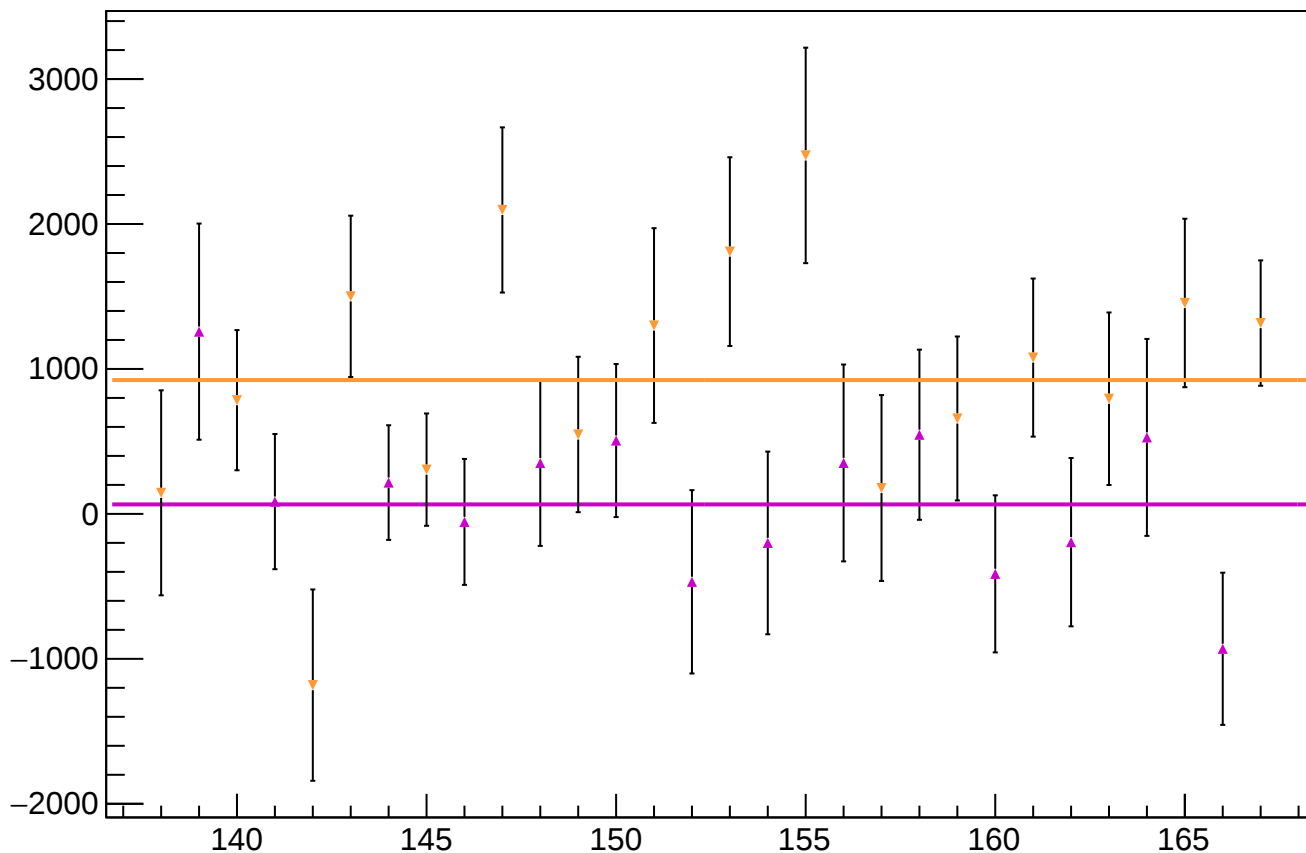
Left In: 48.397+/-0.010 χ^2/NDF :176544.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 48.391+/-0.007 χ^2/NDF : 408745.0/29

- 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

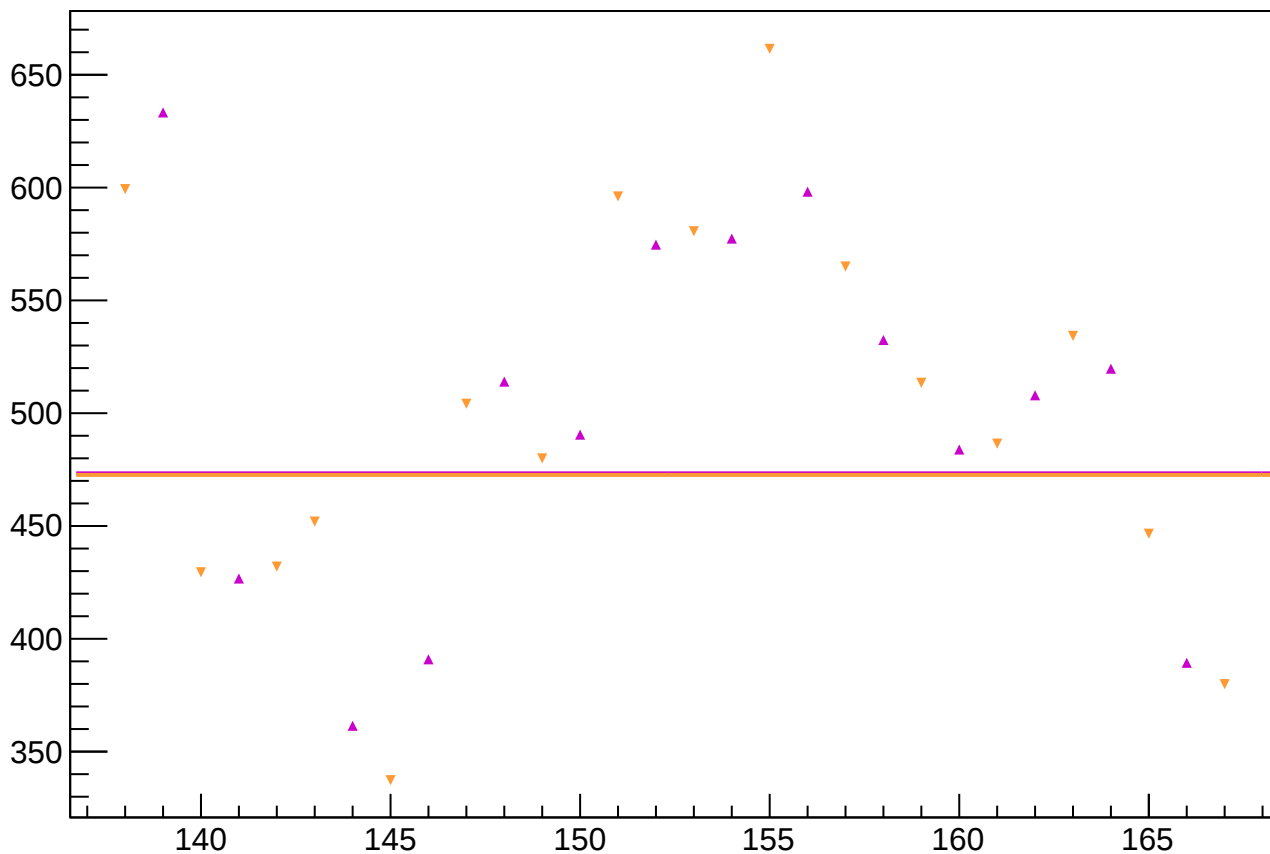
Left In: 65.519+/-145.884 χ^2/NDF : 10.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 513.913+/-100.785 χ^2/NDF : 58.3/29

- 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

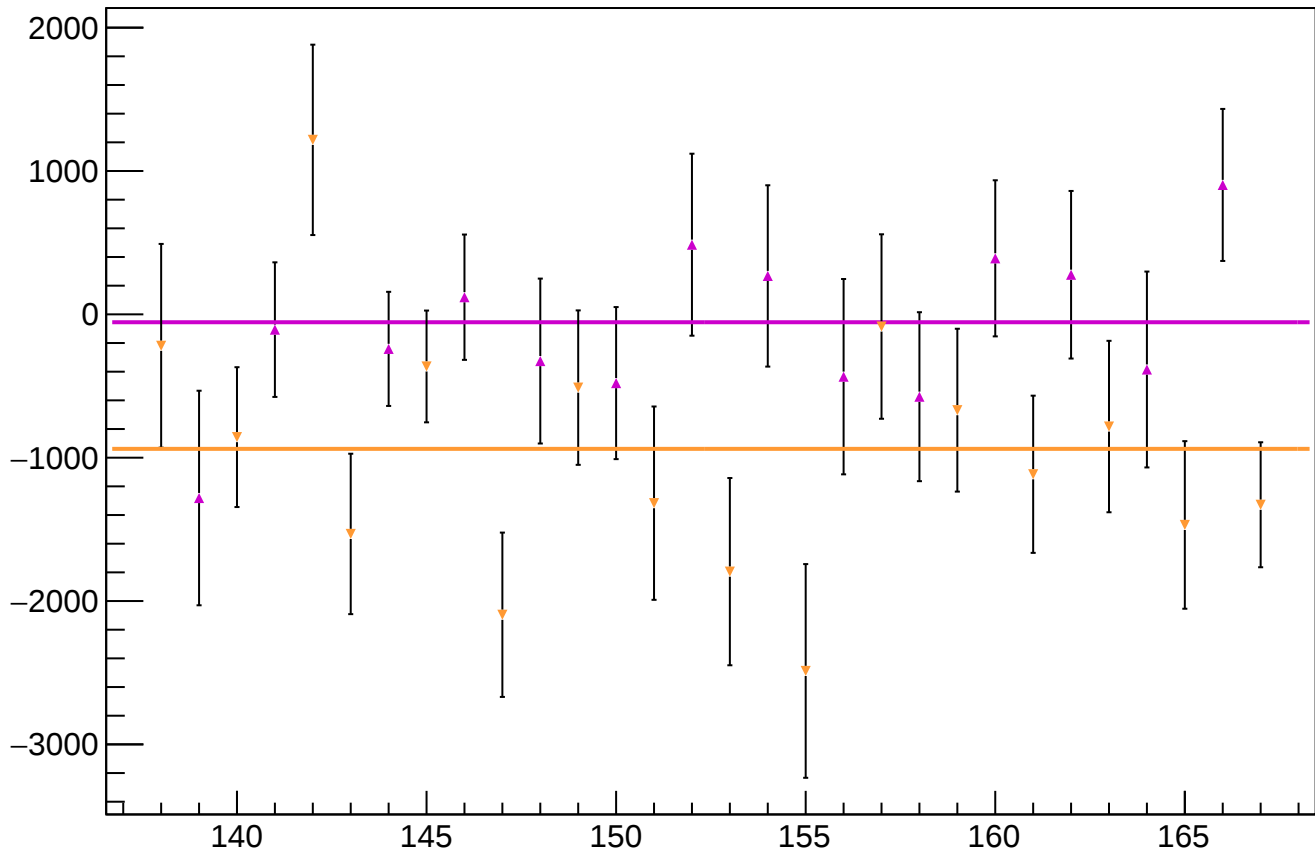
Left In: 473.335+/-0.103 χ^2/NDF : 618468.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 472.979+/-0.071 χ^2/NDF : 1381791.9/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -938.378+/-140.195 χ^2/NDF : 29.7/15

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

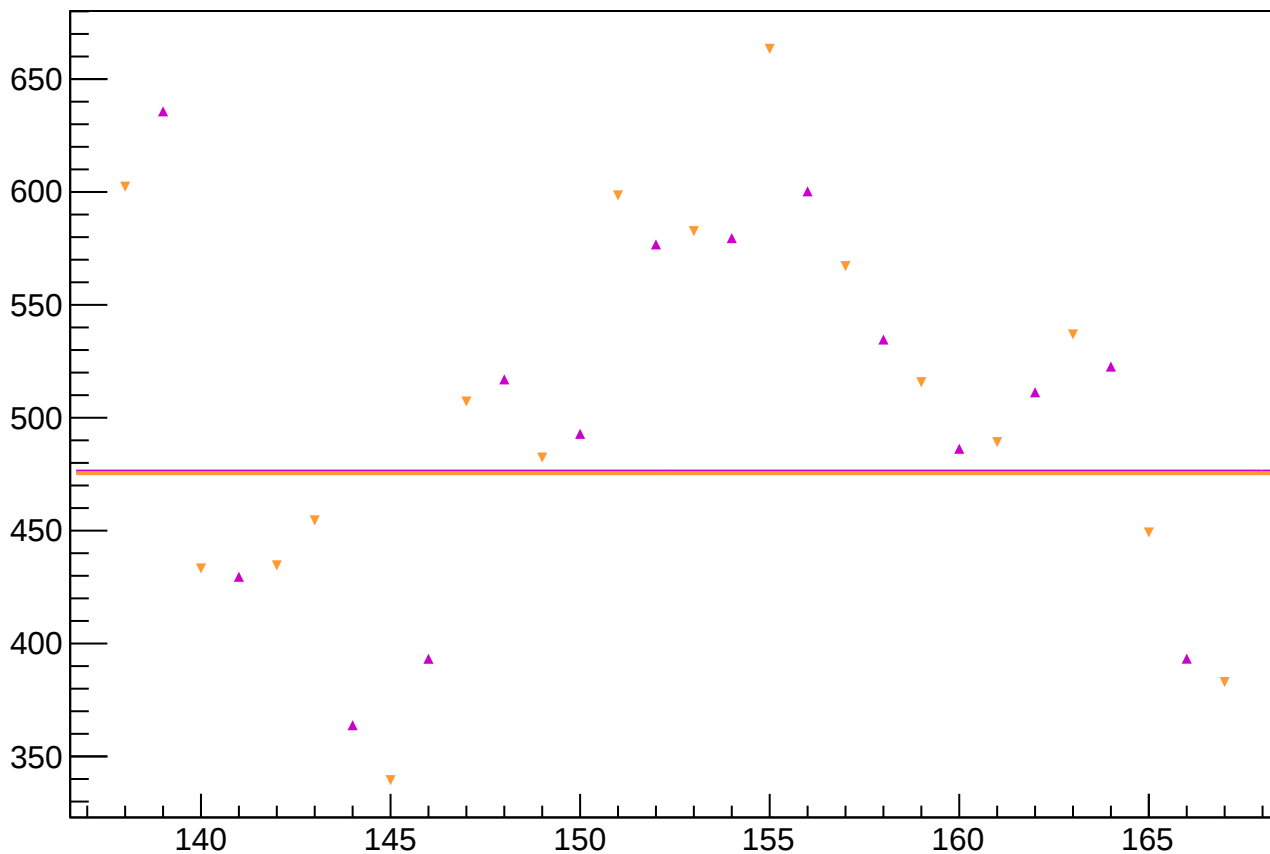
Left In: -55.053+/-146.718 χ^2/NDF : 10.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -516.789+/-101.361 χ^2/NDF : 59.2/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_rms vs Slug



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

Left Out: 475.462+/-0.099 χ^2/NDF : 753592.6/15

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

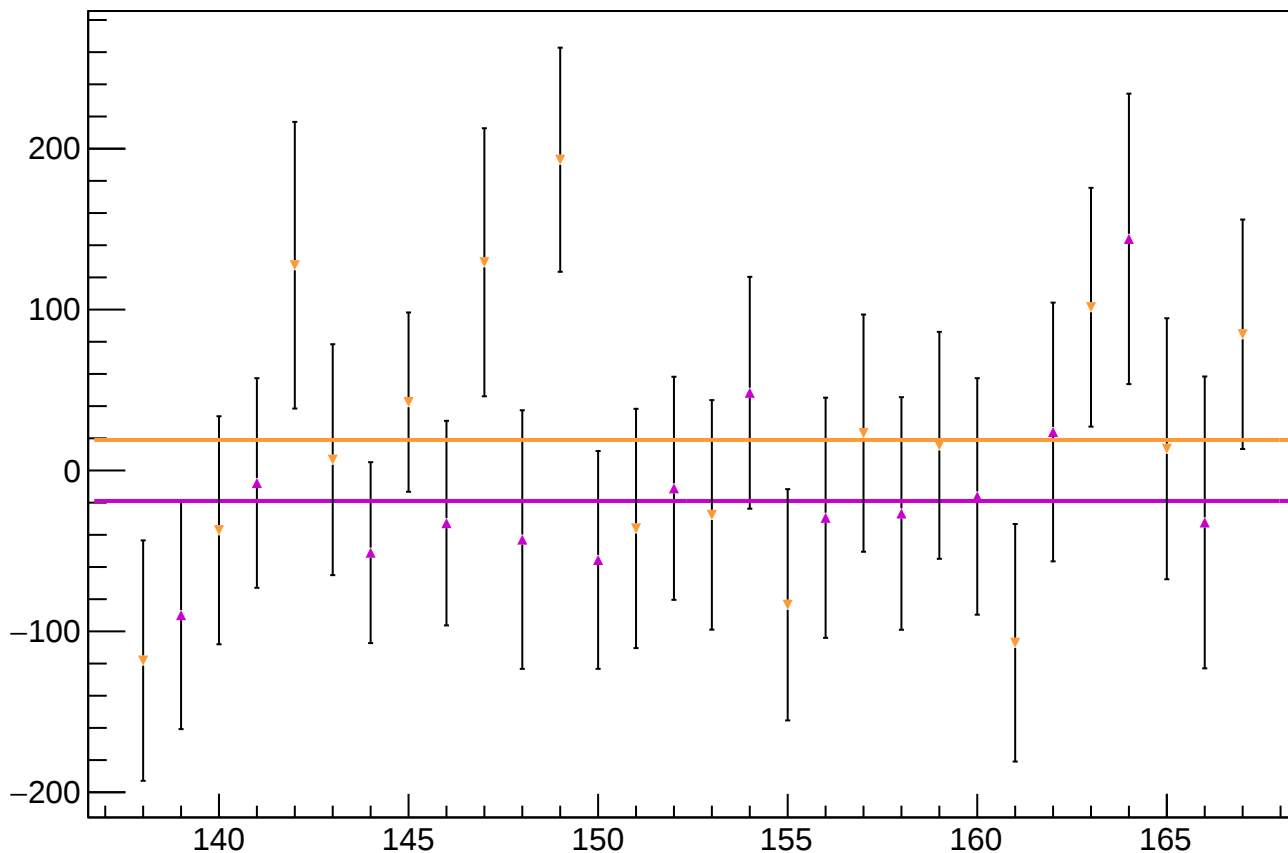
Left In: 476.150+/-0.104 χ^2/NDF : 609634.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 475.790+/-0.072 χ^2/NDF : 1363250.0/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: 18.984+/-18.135 χ^2/NDF : 21.7/15

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

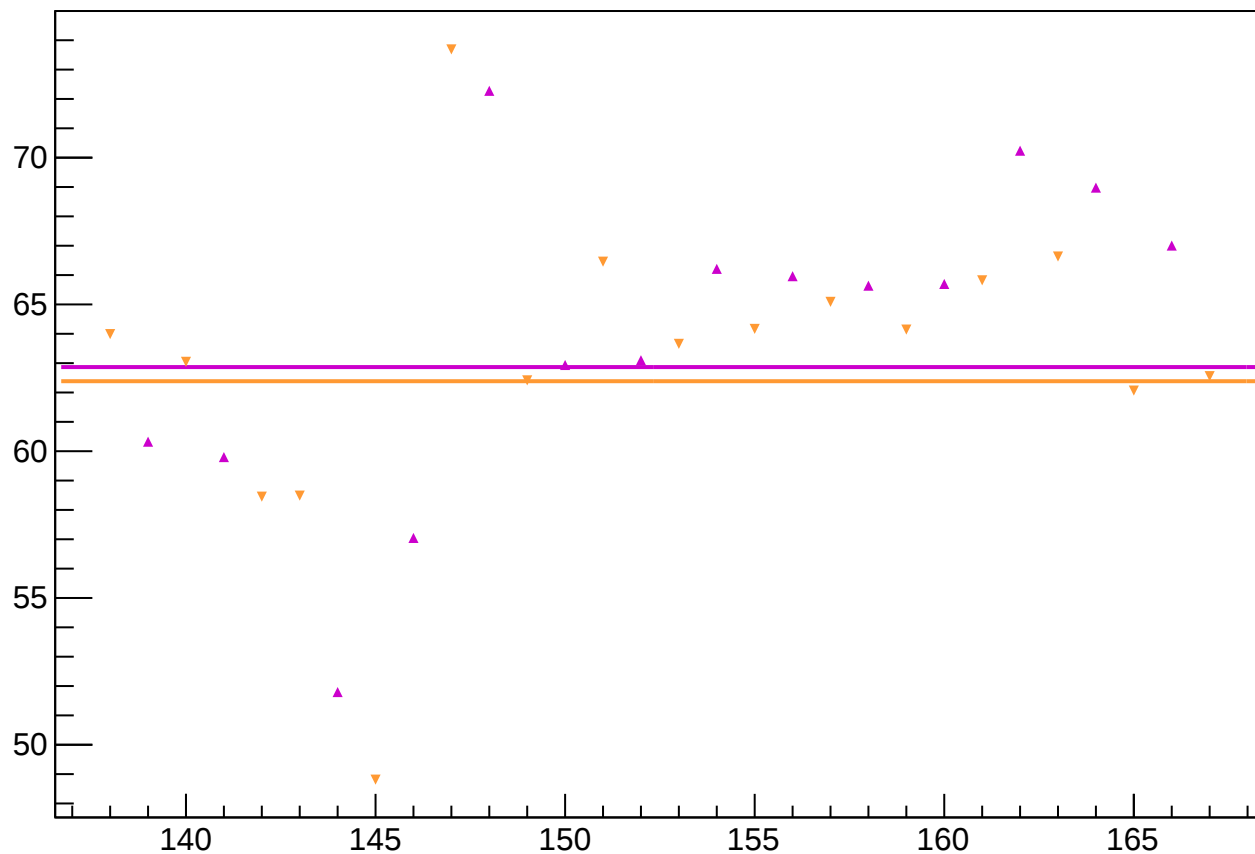
Left In: -18.960+/-19.149 χ^2/NDF : 6.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1.042+/-13.167 χ^2/NDF : 30.1/29

- sign 0.000+/-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

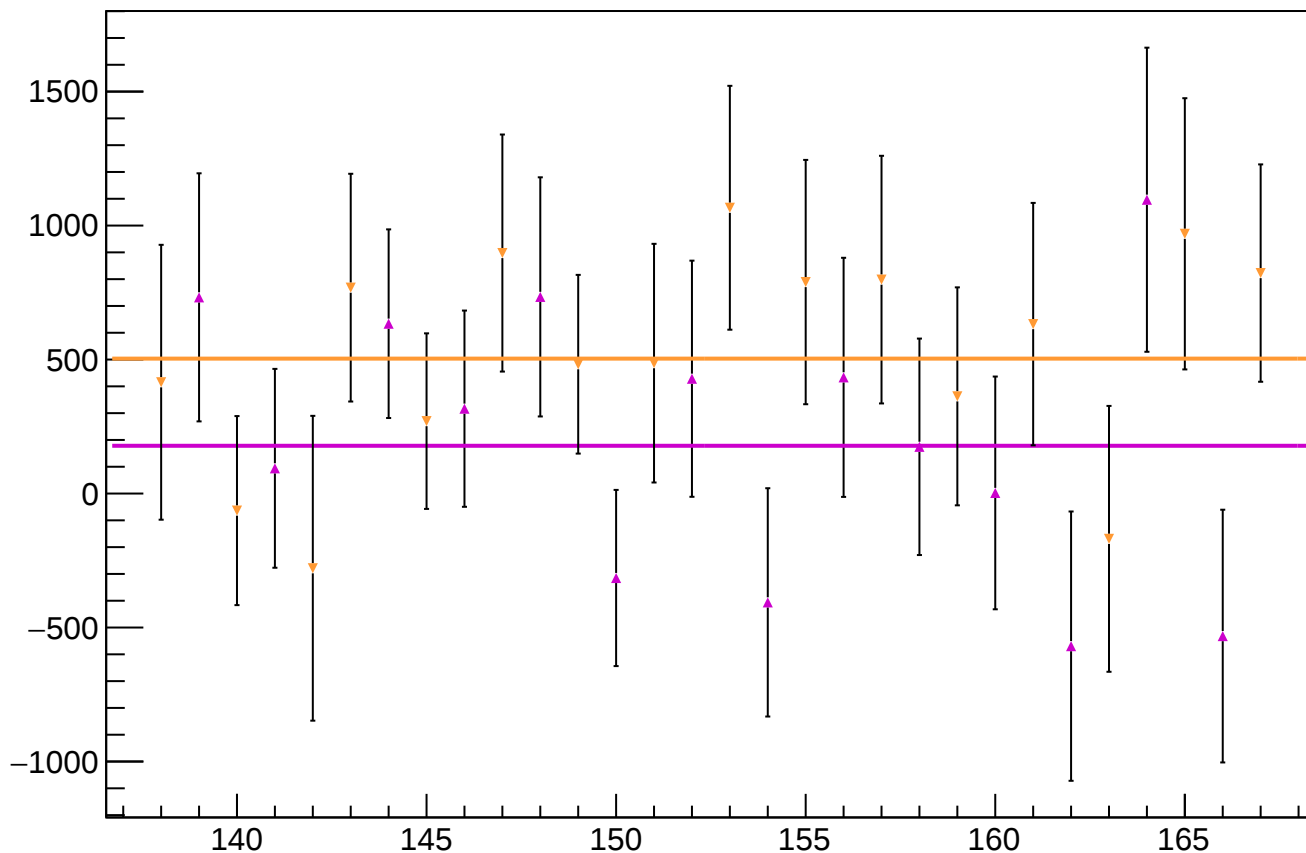
Left In: 62.866+/-0.014 χ^2/NDF :172559.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 62.612+/-0.009 χ^2/NDF : 362328.2/29

- 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

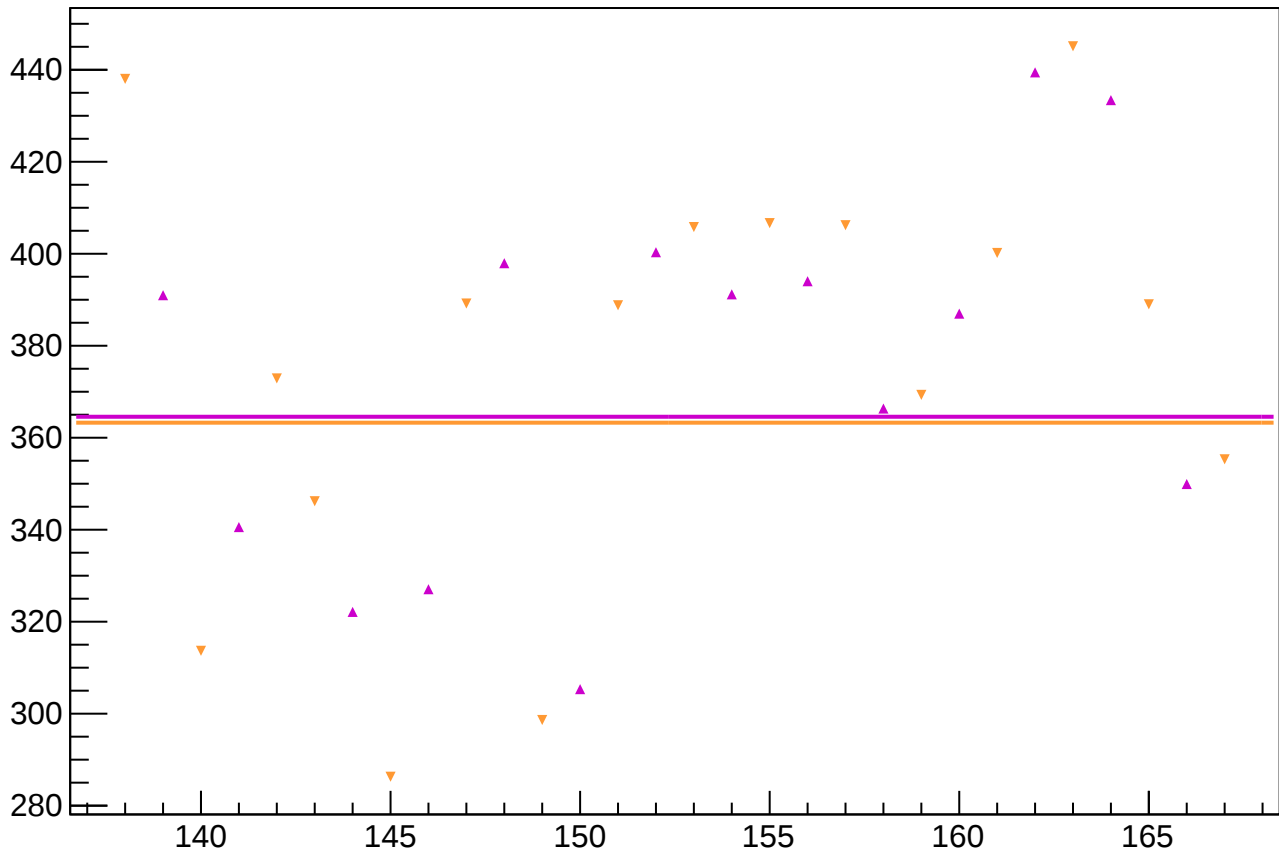
Left In: 178.246+/-111.510 χ^2/NDF : 16.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 348.410+/-76.999 χ^2/NDF : 33.4/29

- 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

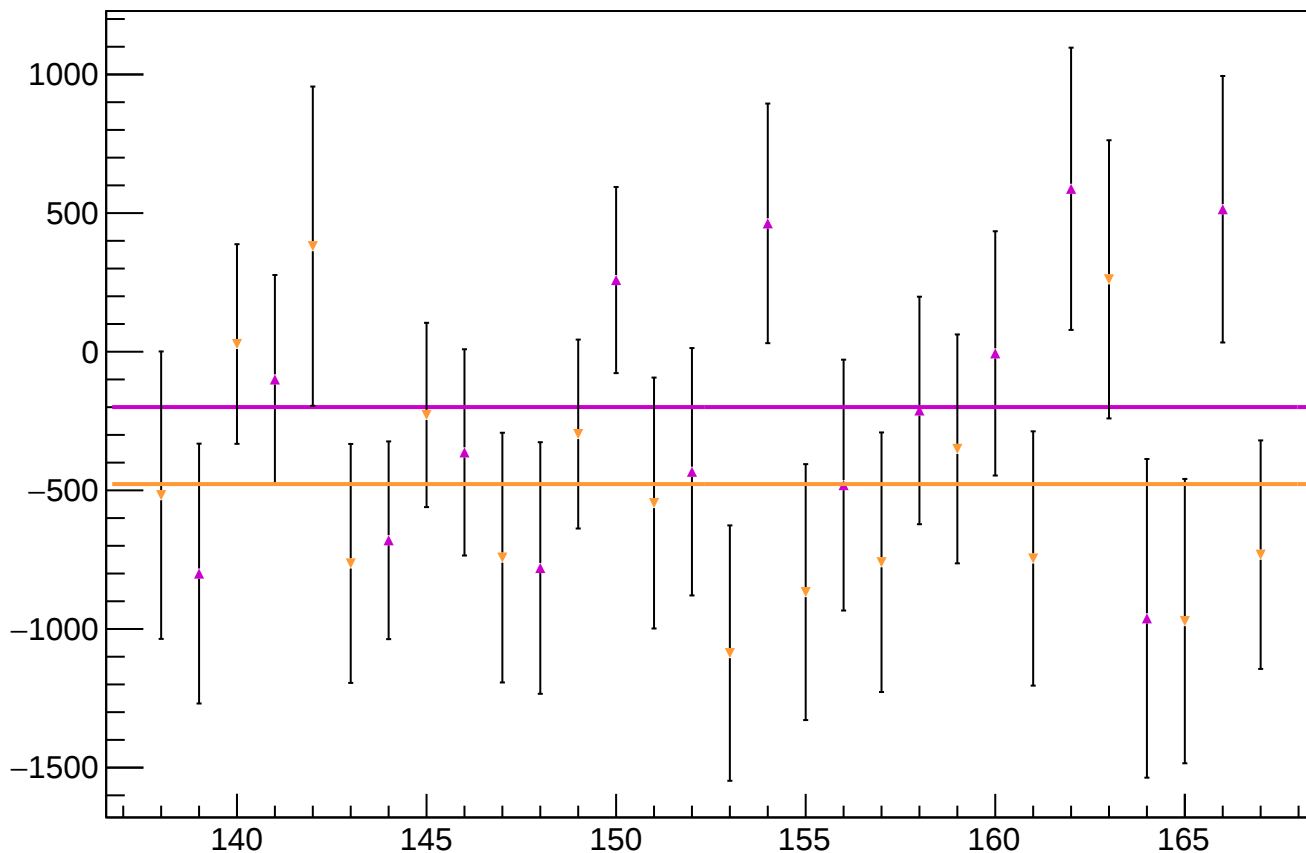
Left In: 364.561+/-0.079 χ^2/NDF : 251909.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 363.887+/-0.054 χ^2/NDF : 663937.5/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -477.345+/-108.098 χ^2/NDF : 12.6/15

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

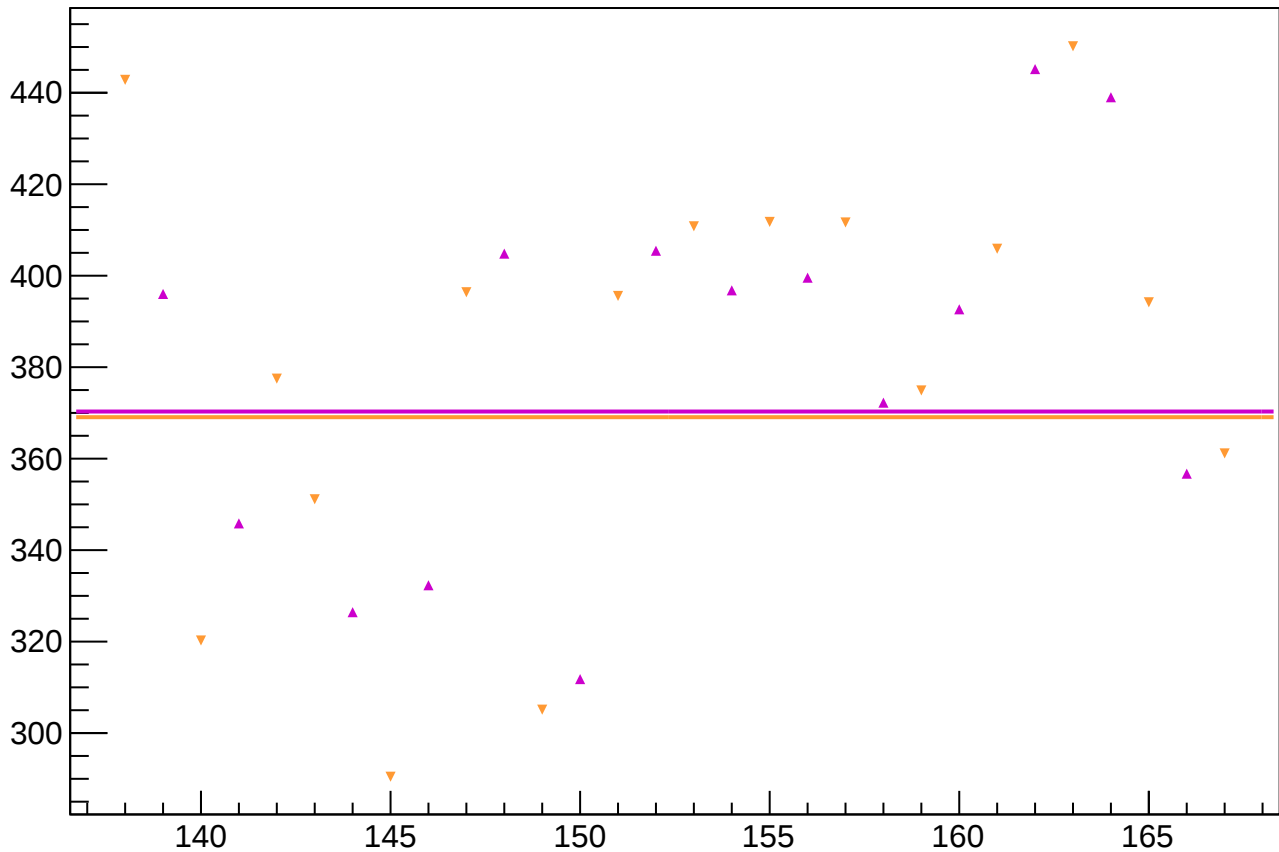
Left In: -199.604+/-113.231 χ^2/NDF : 16.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -344.912+/-78.188 χ^2/NDF : 32.5/29

- sign 0.000+/-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

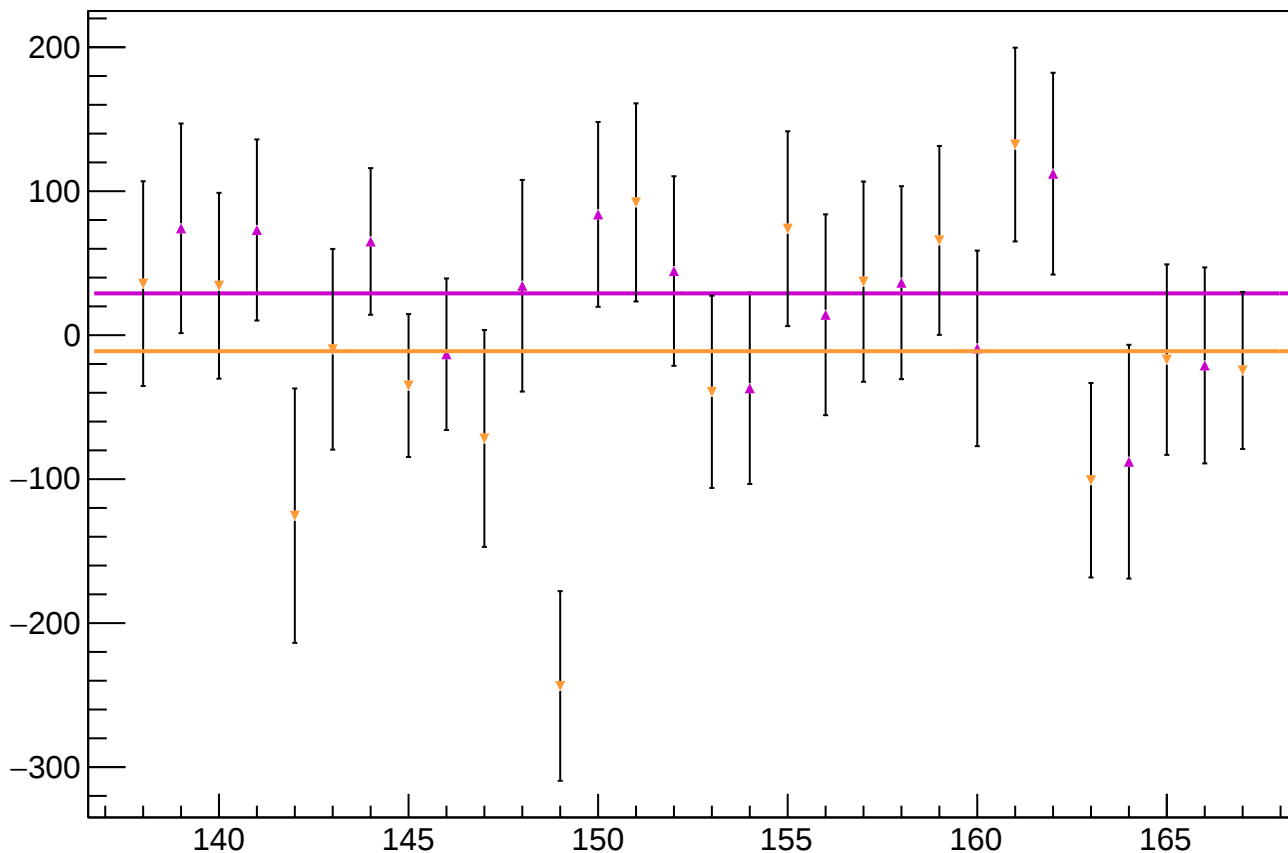
Left In: 370.305+/-0.080 χ^2/NDF : 244869.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 369.657+/-0.055 χ^2/NDF : 643907.4/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: -11.120+/-16.479 χ^2/NDF : 28.2/15

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

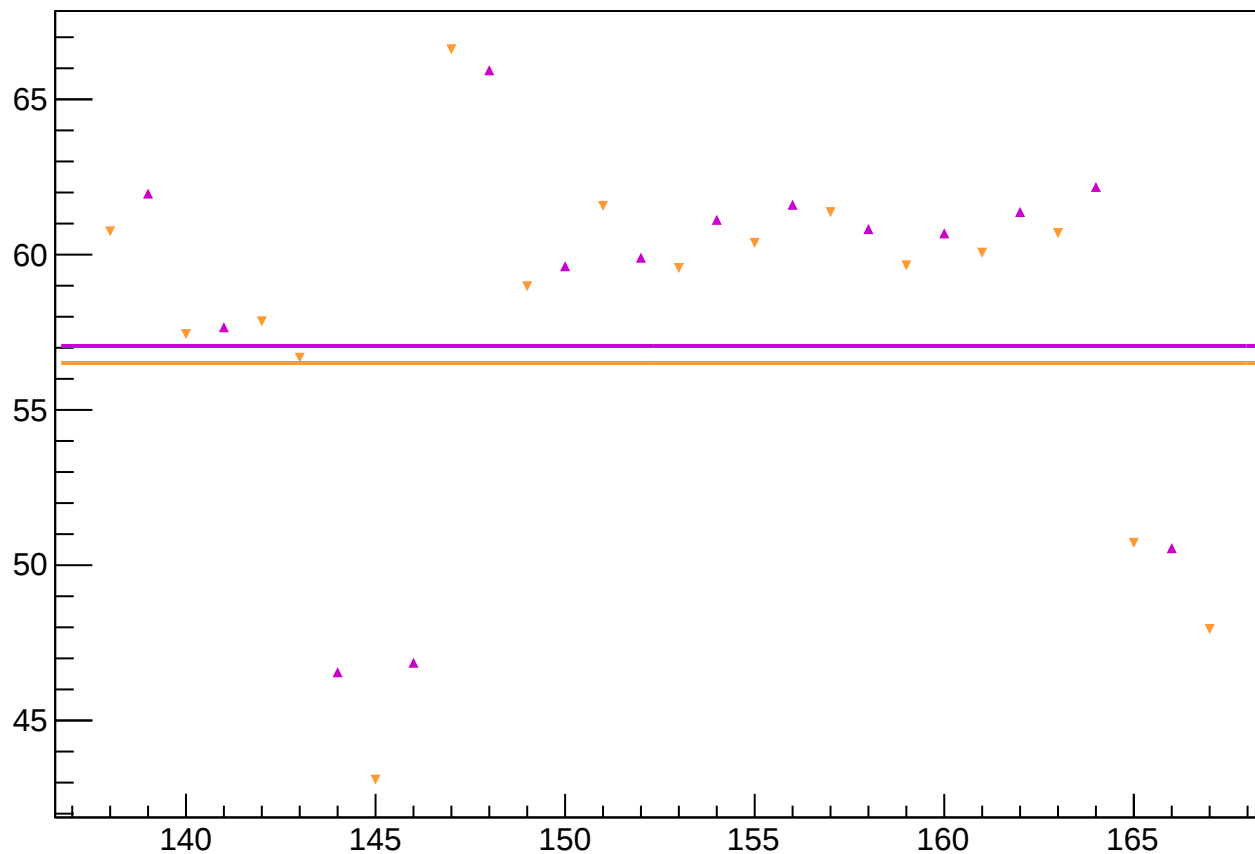
Left In: 29.036+/-17.437 χ^2/NDF : 8.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7.825+/-11.977 χ^2/NDF : 39.2/29

- sign 0.000+/-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

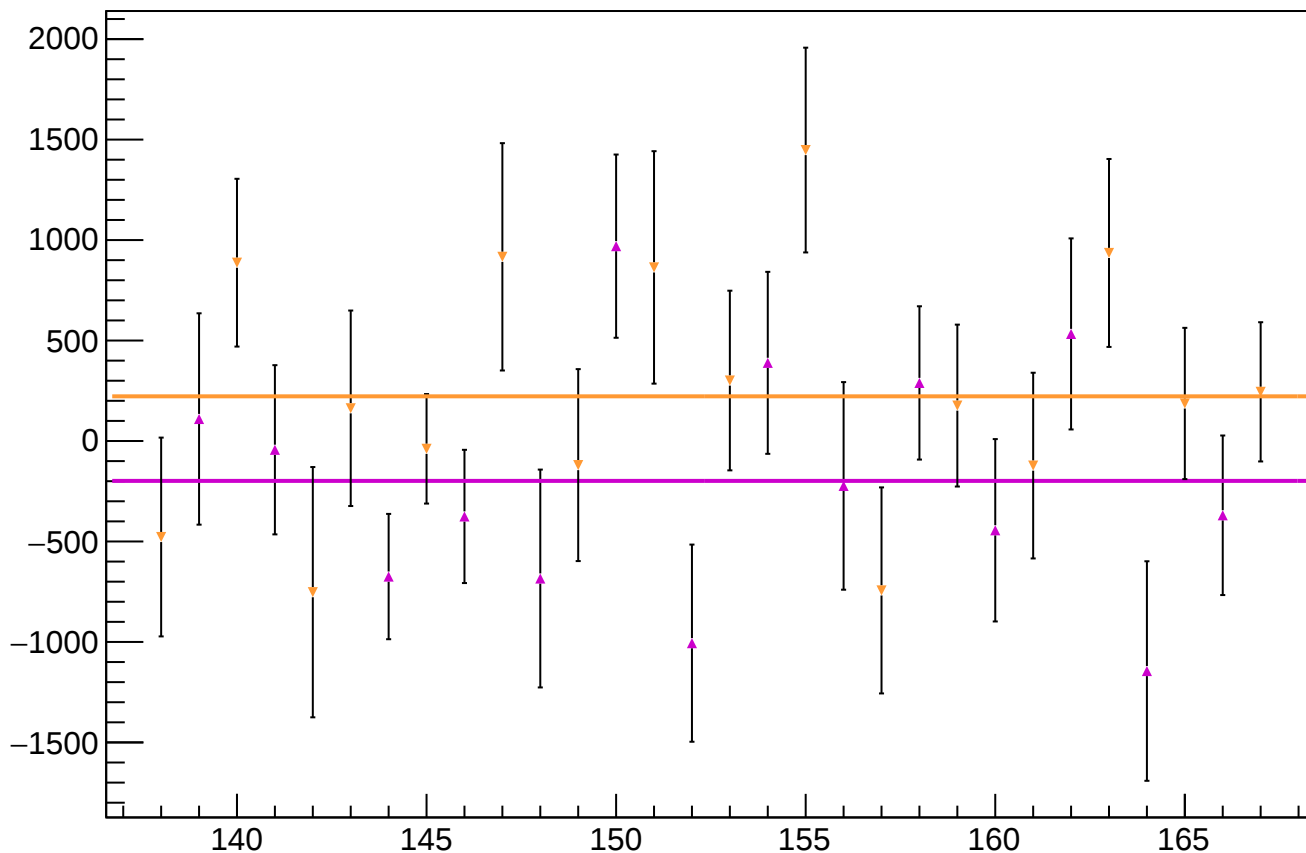
Left In: 57.059+/-0.012 χ^2/NDF : 267406.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 56.769+/-0.008 χ^2/NDF : 575187.7/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 222.341+/-109.069 χ^2/NDF : 23.4/15

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

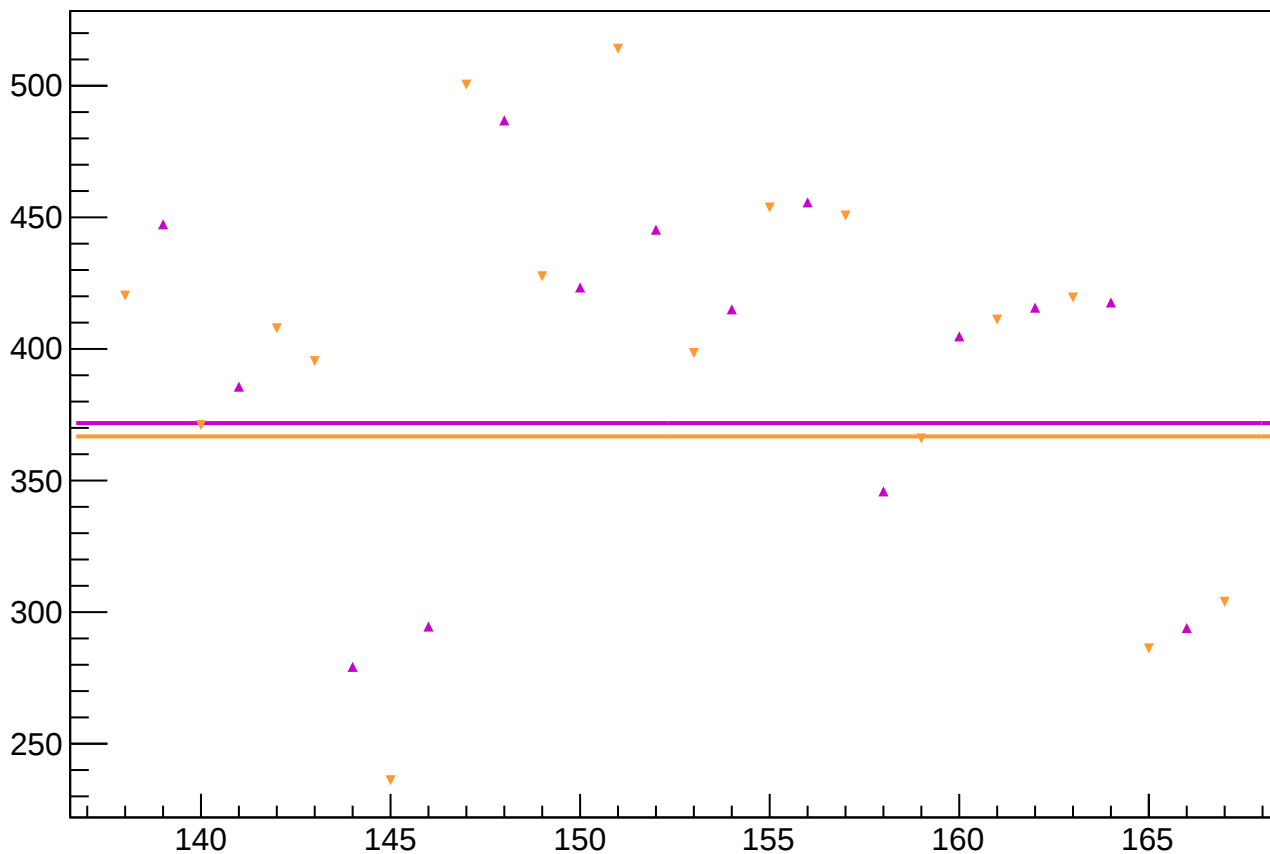
Left In: -198.490+/-115.103 χ^2/NDF : 22.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 23.244+/-79.171 χ^2/NDF : 52.8/29

- sign 0.000+/-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

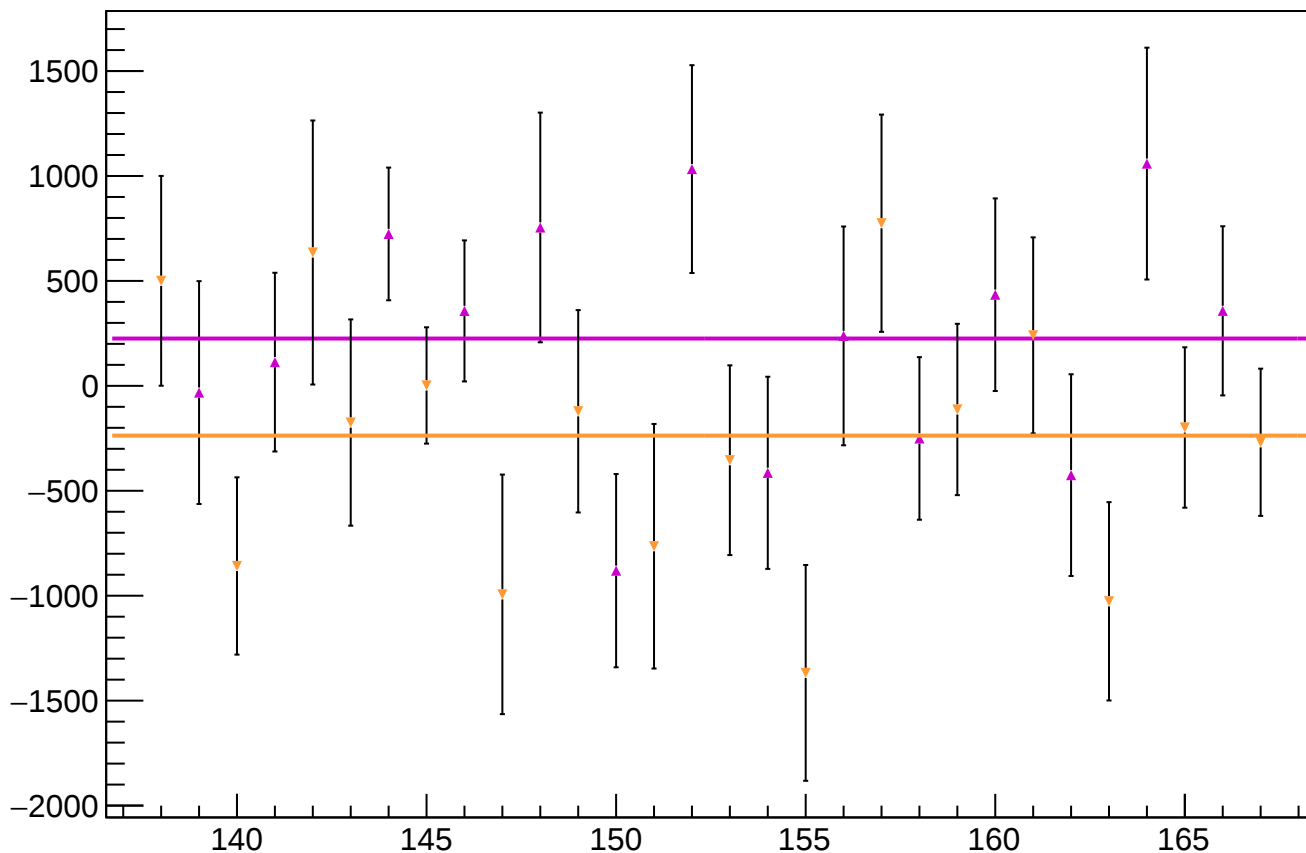
Left In: 371.840+/-0.081 χ^2/NDF : 687891.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 369.164+/-0.056 χ^2/NDF : 1785890.5/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -237.073+/-110.394 χ^2/NDF : 22.3/15

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

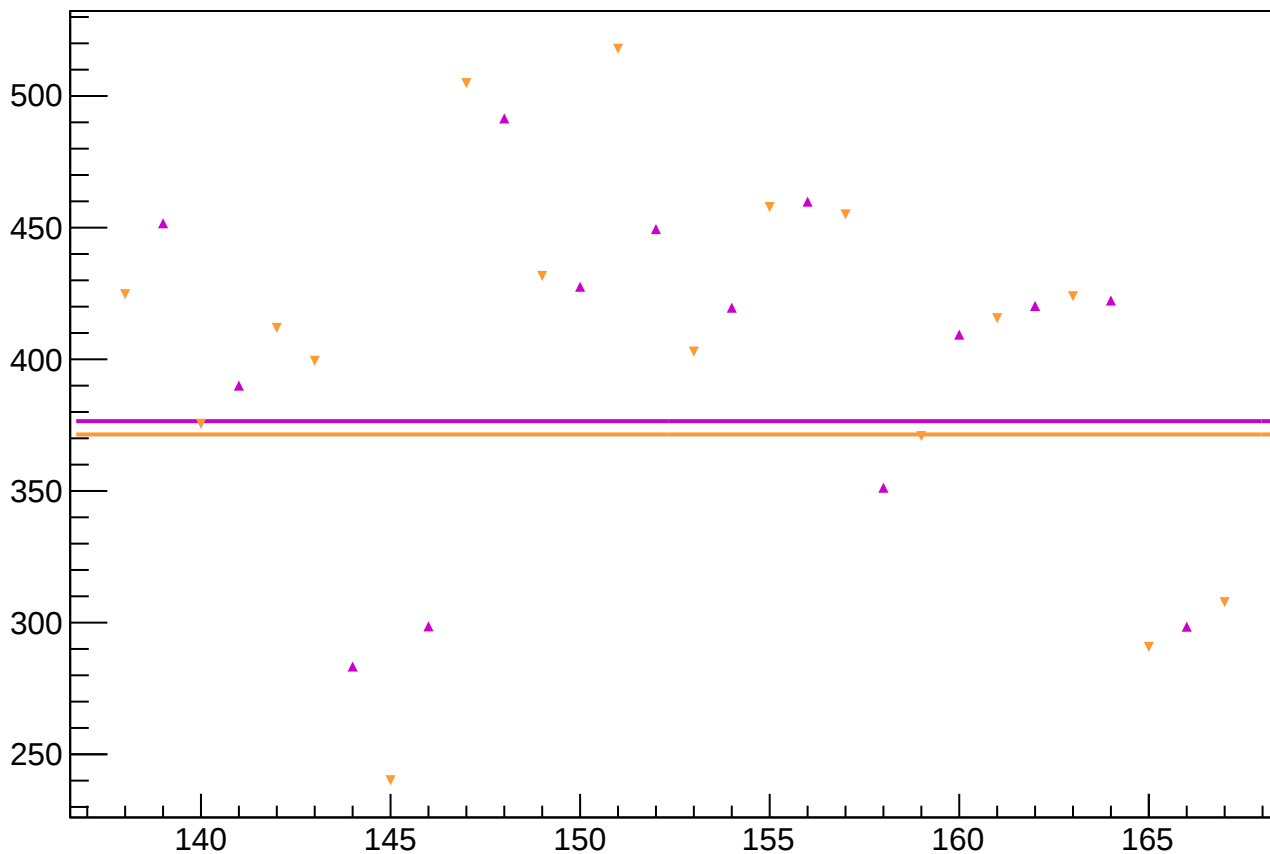
Left In: 225.427+/-116.495 χ^2/NDF : 20.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -18.252+/-80.130 χ^2/NDF : 50.8/29

- sign 0.000+/-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

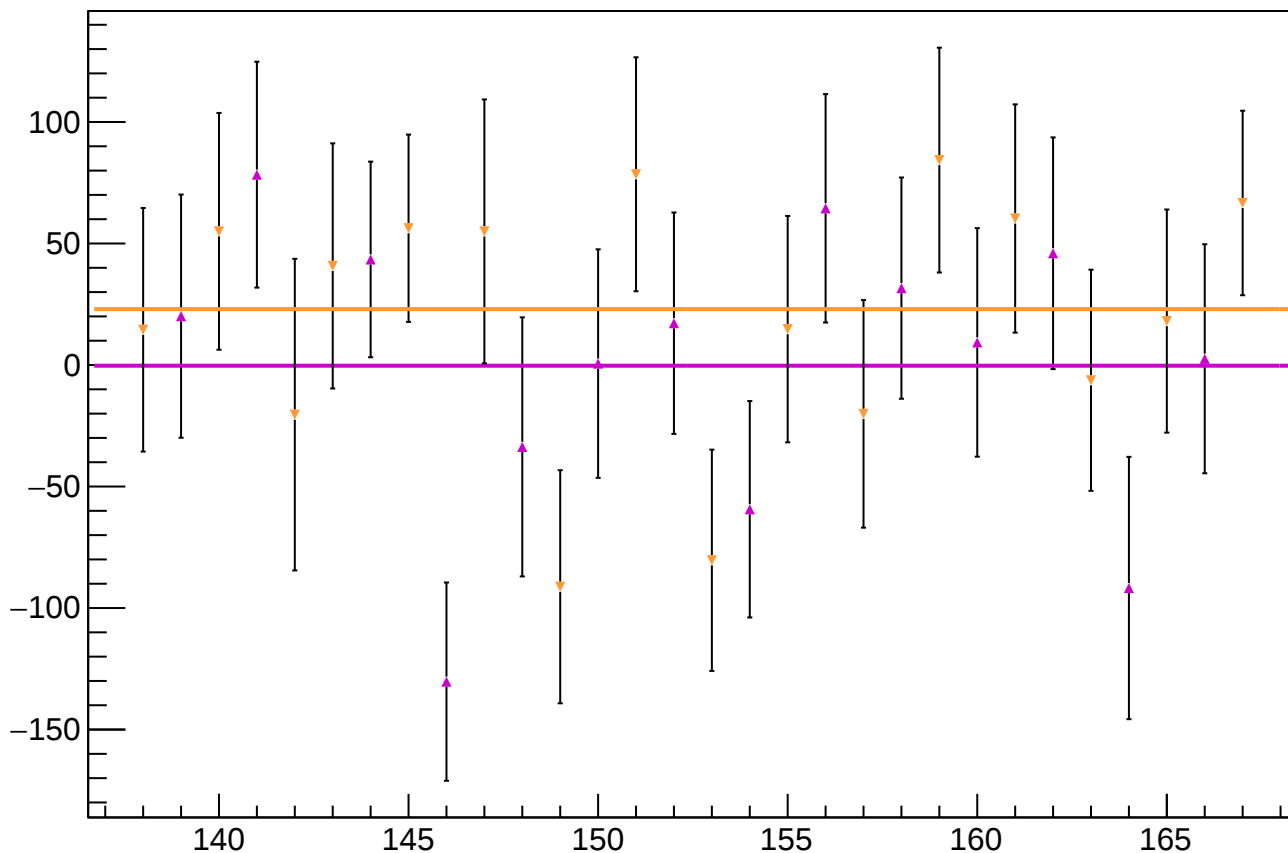
Left In: 376.521+/-0.082 χ^2/NDF :672583.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 373.858+/-0.057 χ^2/NDF : 1744132.5/29

- 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

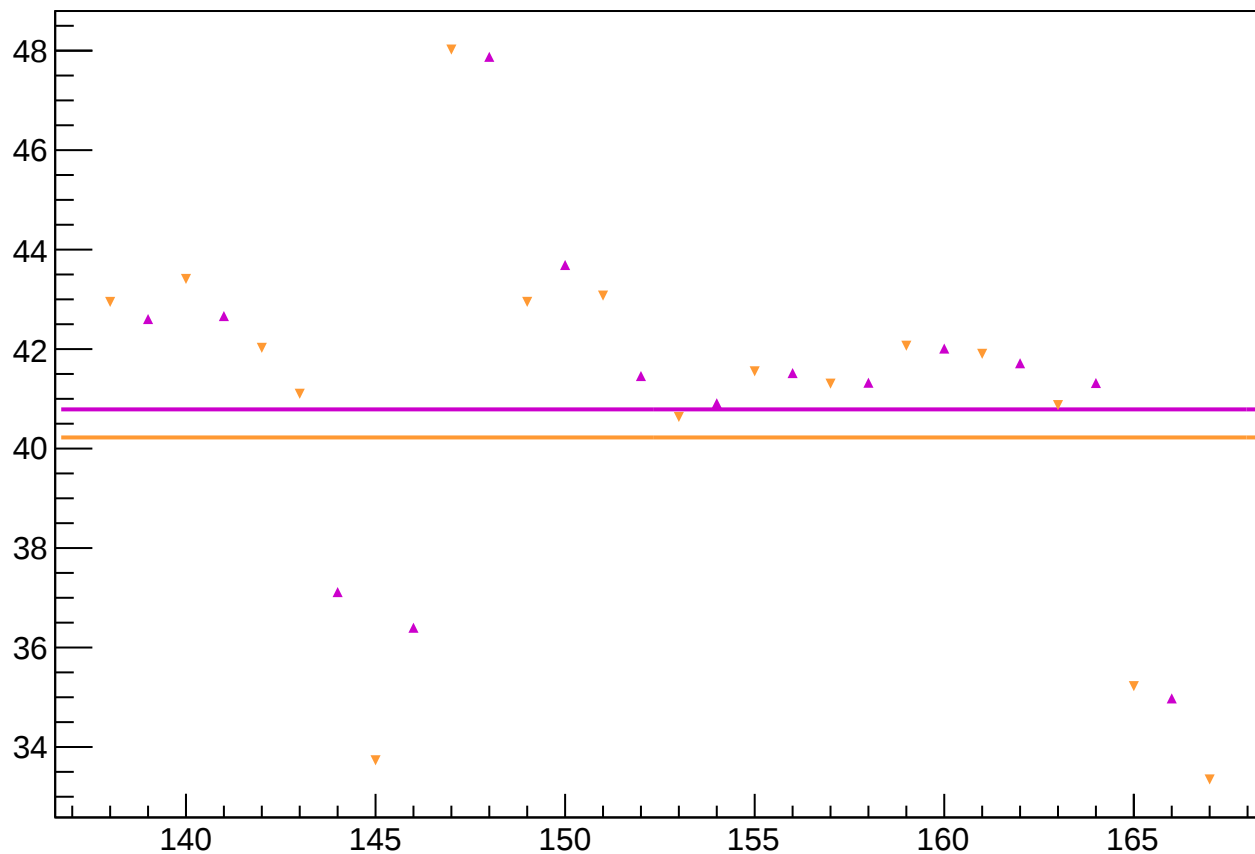
Left In: -0.279 $\pm$ 12.410 χ^2 /NDF:22.9/13

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

All: 12.056 $\pm$ 8.513 χ^2 /NDF: 44.1/29

- 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

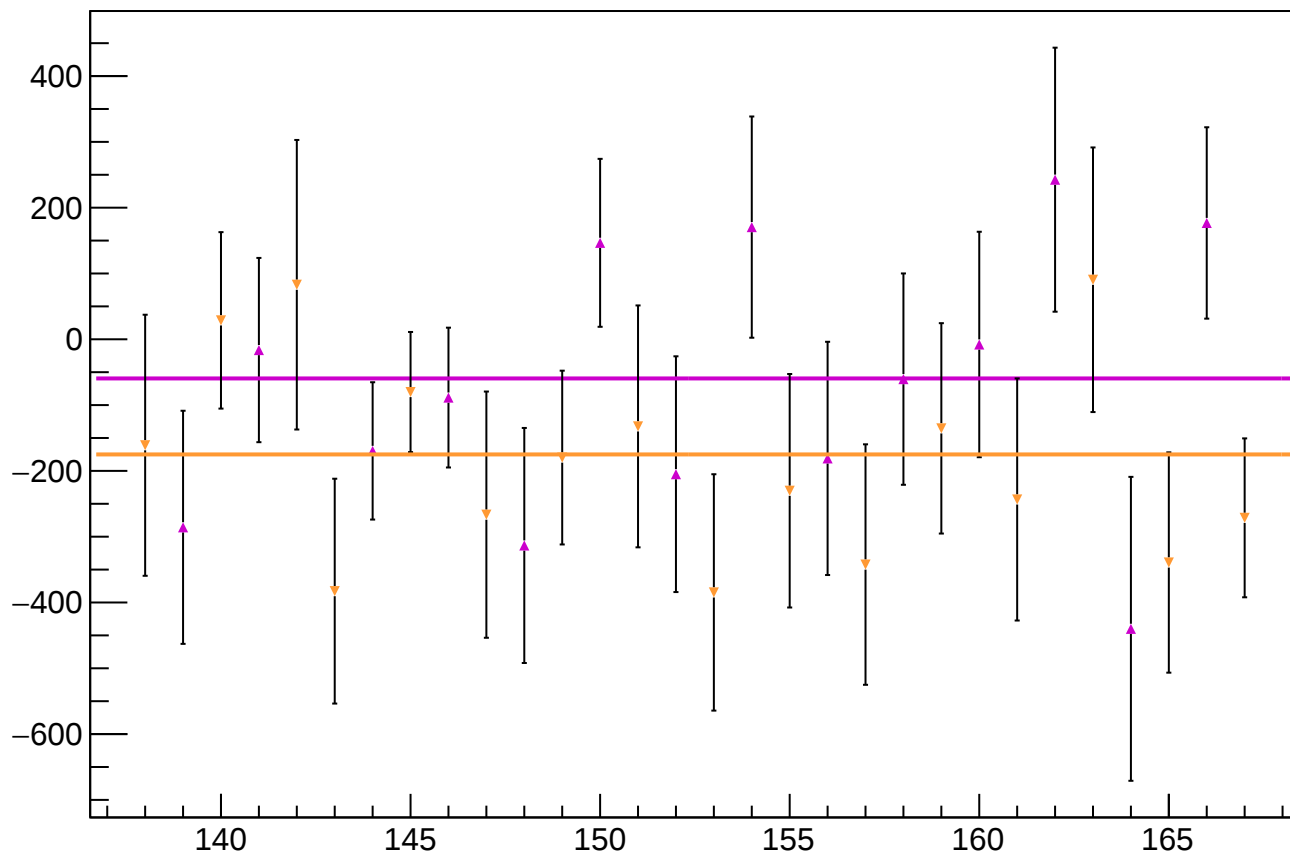
Left In: 40.788+/-0.009 χ^2/NDF :122623.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 40.489+/-0.006 χ^2/NDF : 351304.2/29

- 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

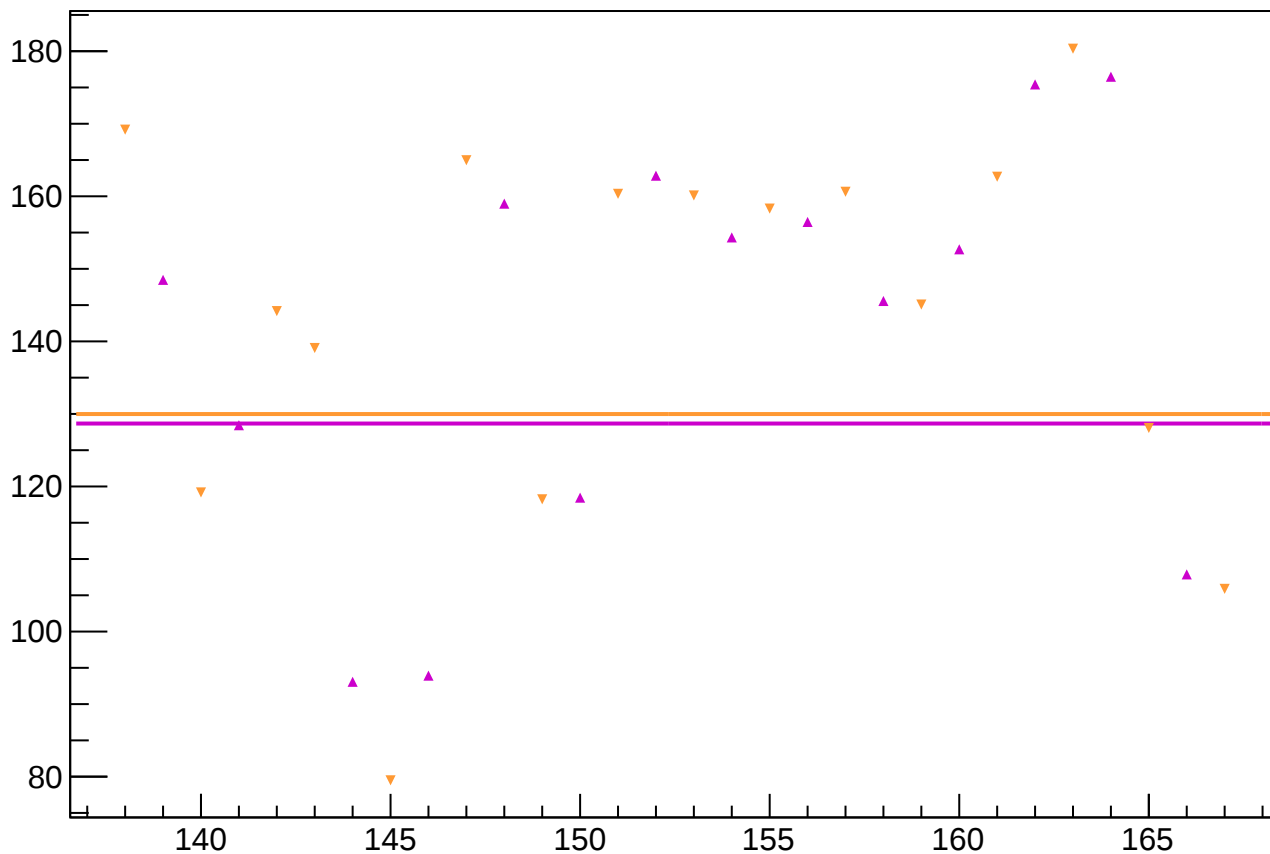
Left In: -59.518+/-40.220 χ^2/NDF :18.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -119.222+/-27.951 χ^2/NDF : 34.9/29

- 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

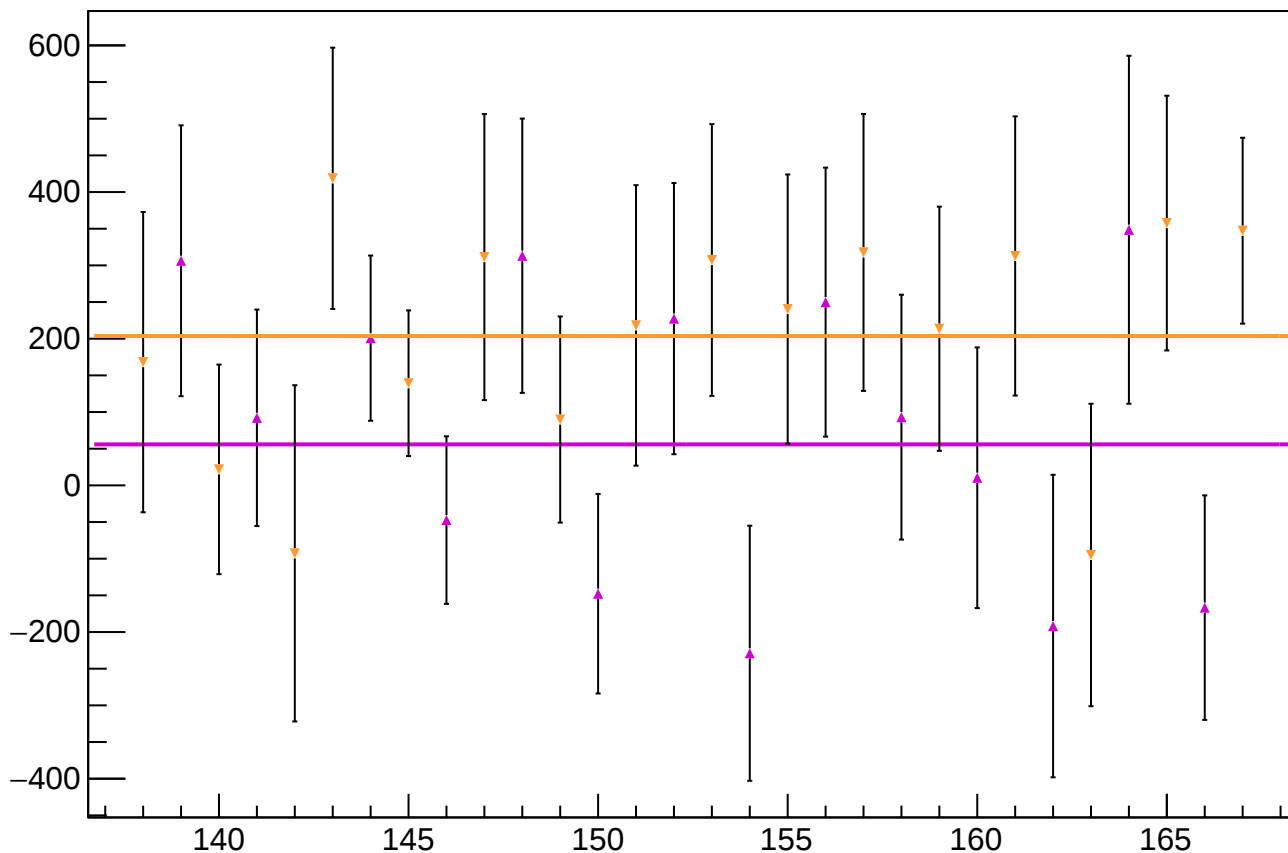
Left In: 128.675+/-0.028 χ^2/NDF :1007304.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 129.352+/-0.020 χ^2/NDF : 2315417.8/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 203.703 $\pm$ 40.879 χ^2 /NDF:11.4/15

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

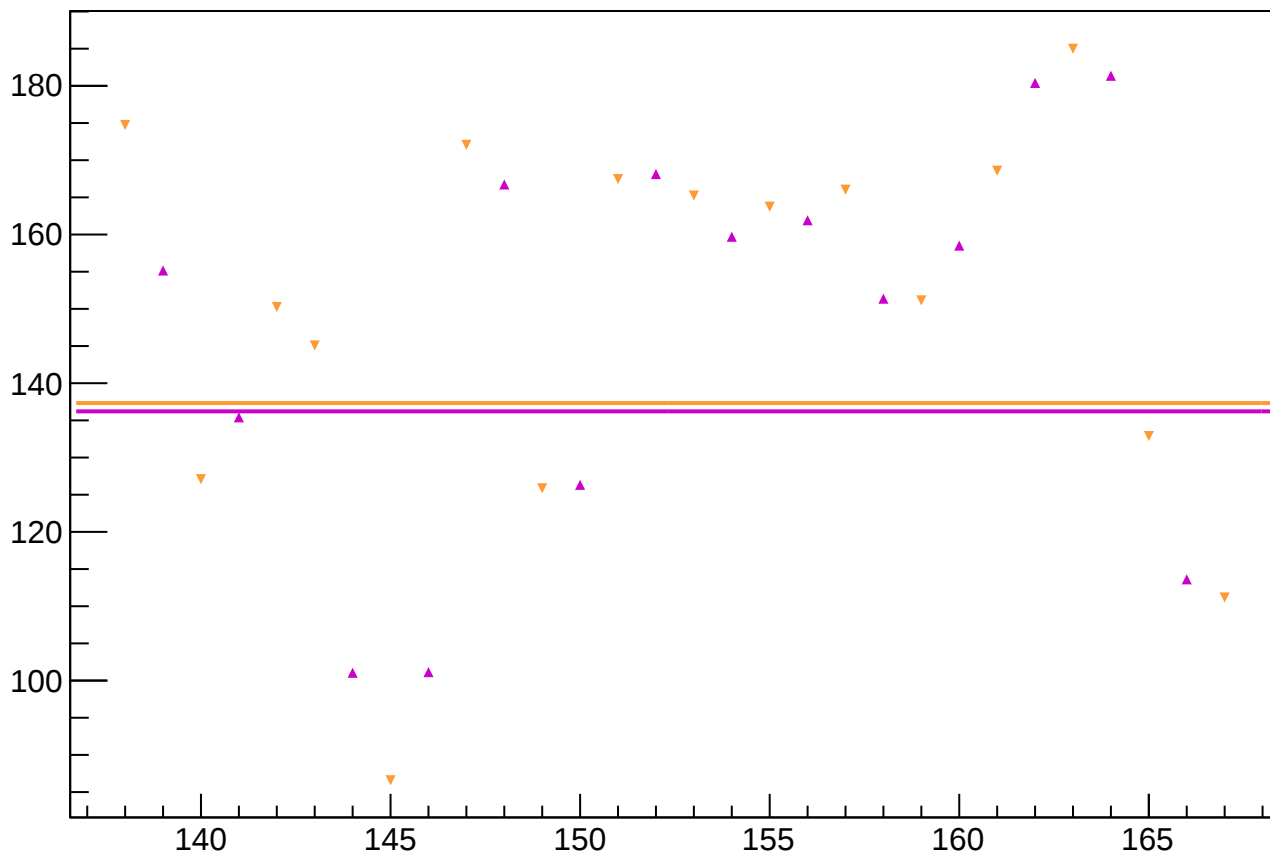
Left In: 55.901 $\pm$ 42.383 χ^2 /NDF:18.4/13

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

All: 132.471 $\pm$ 29.423 χ^2 /NDF: 36.0/29

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

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 137.333+/-0.029 χ^2/NDF :1129516.2/15

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

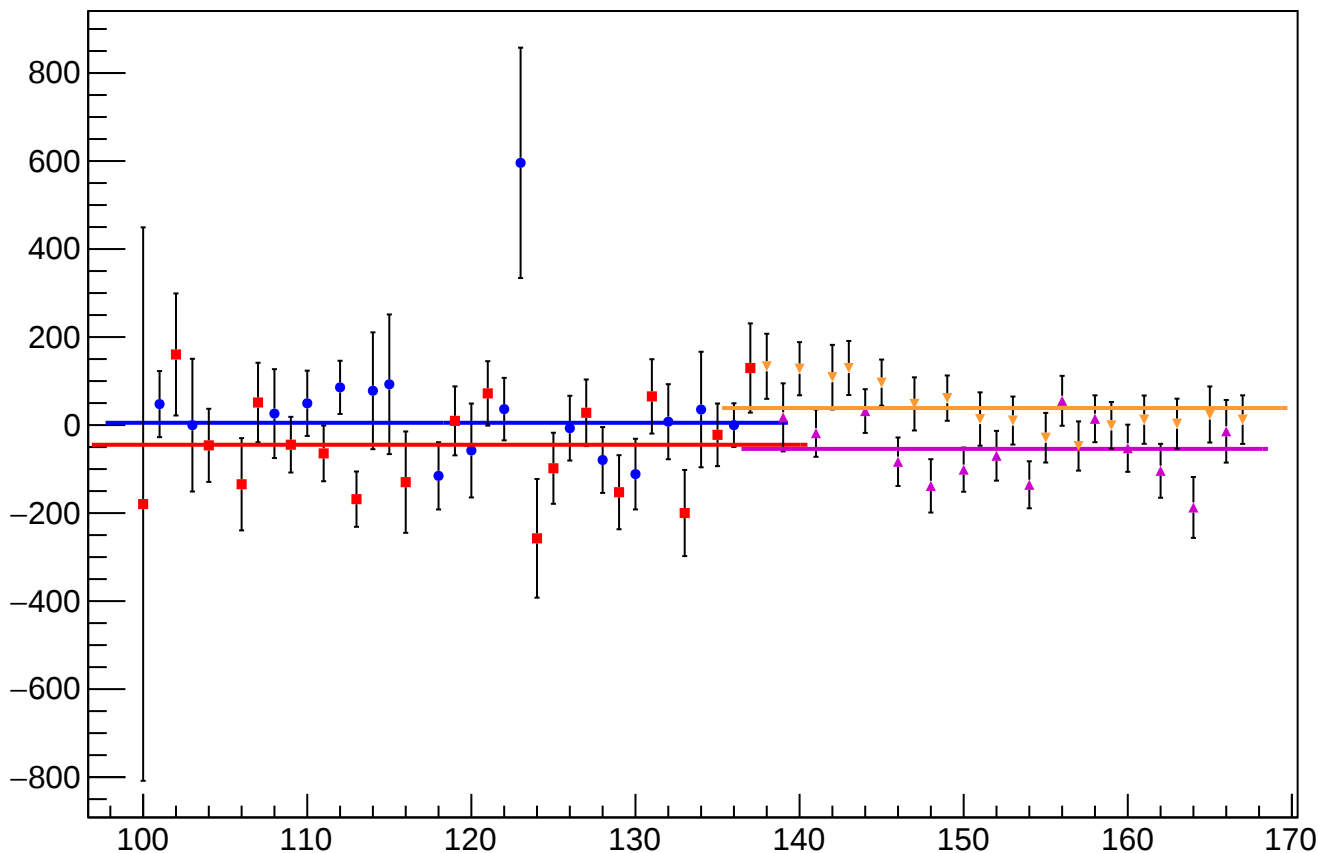
Left In: 136.215+/-0.030 χ^2/NDF :859221.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 136.794+/-0.021 χ^2/NDF : 1989457.8/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 38.722 ± 14.525 χ^2/NDF : 14.1/15

Right Out: -44.715 ± 19.410 χ^2/NDF : 24.4/18

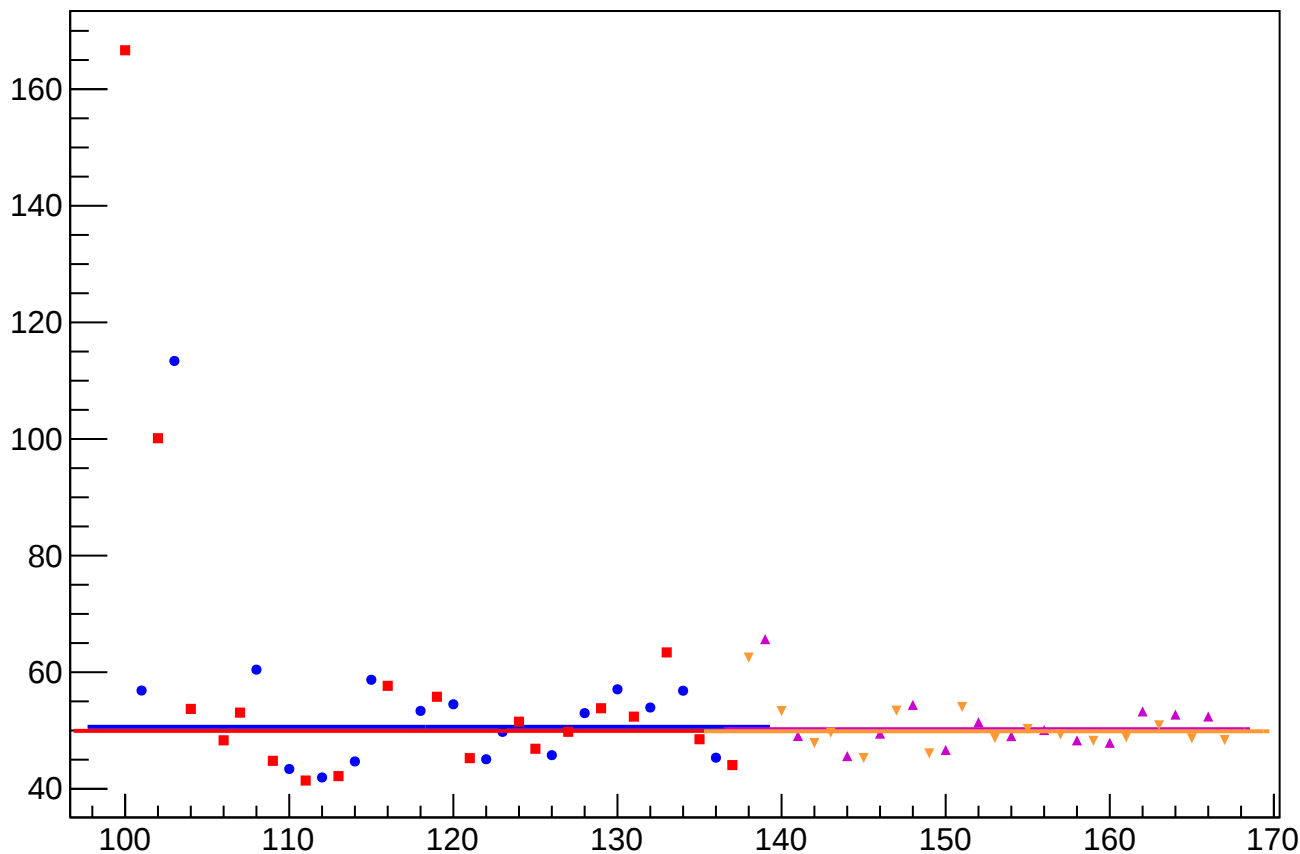
Left In: -54.108 ± 15.313 χ^2/NDF : 19.8/13

+ sign 27.266 ± 11.783 χ^2/NDF : 30.6/32

All: -10.839 ± 8.415 χ^2/NDF : 96.3/65

- sign -50.505 ± 12.022 χ^2/NDF : 44.4/32

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

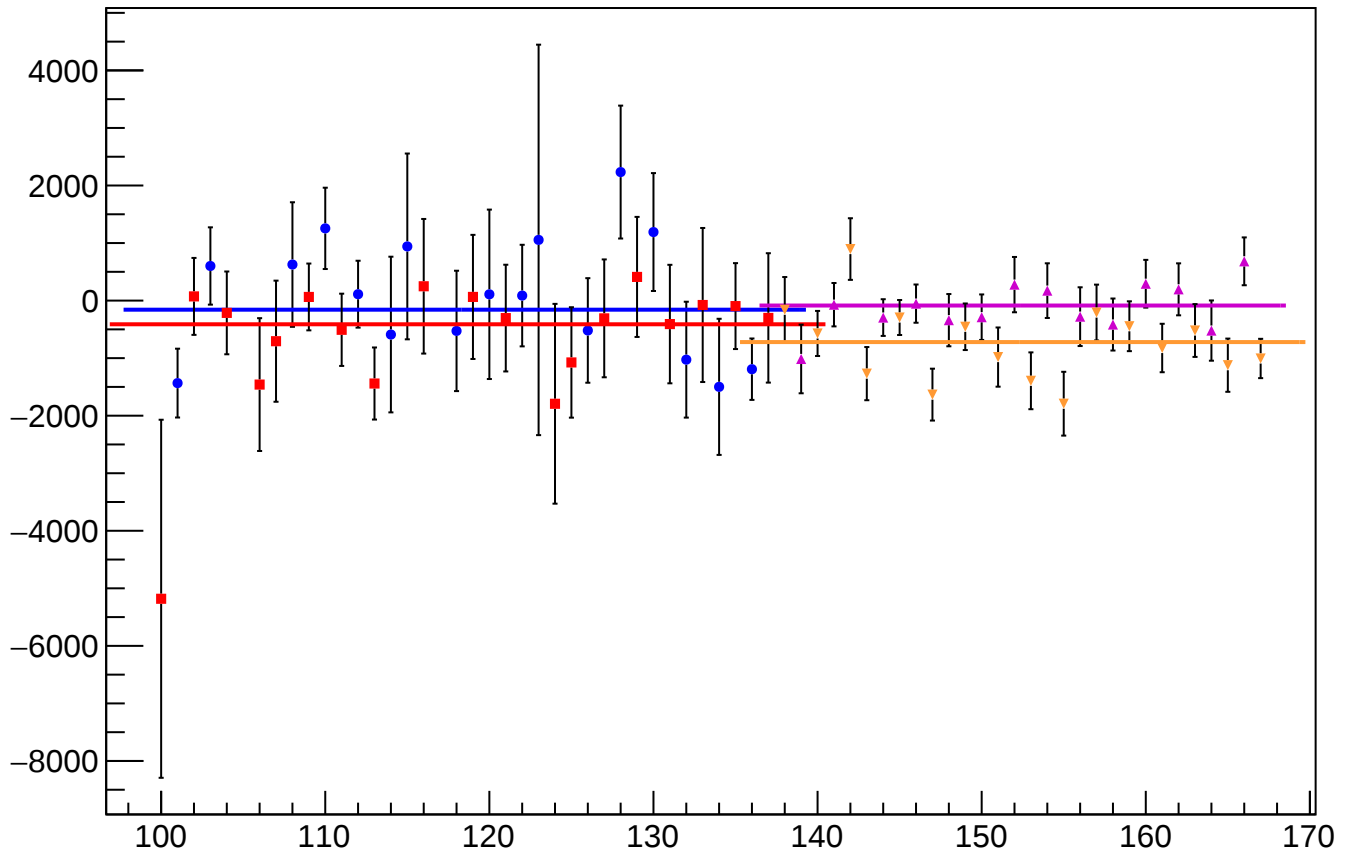
Left In: 50.225 $\pm$ 0.011 χ^2 /NDF: 135601.7/13

+ sign 50.133 $\pm$ 0.008 χ^2 /NDF: 637137.5/32

All: 50.125 $\pm$ 0.006 χ^2 /NDF: 1273489.5/65

- sign 50.116 $\pm$ 0.009 χ^2 /NDF: 636350.1/32

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 $\pm$ 210.181 χ^2/NDF : 23.5/16

Left Out: -720.743 $\pm$ 109.107 χ^2/NDF : 27.2/15

Right Out: -411.611 $\pm$ 203.633 χ^2/NDF : 9.8/18

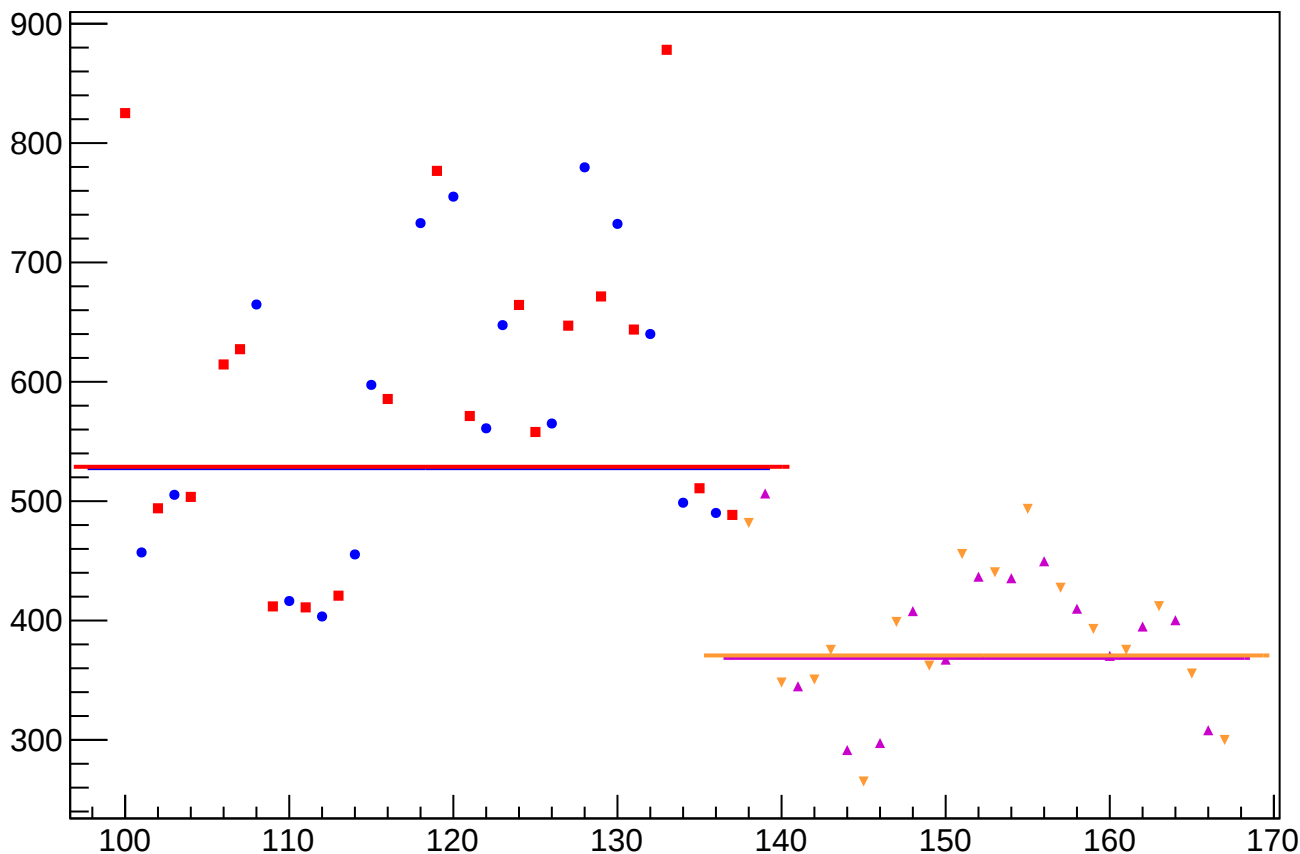
Left In: -85.727 $\pm$ 113.490 χ^2/NDF : 10.3/13

+ sign -601.288 $\pm$ 96.837 χ^2/NDF : 56.3/32

All: -387.260 $\pm$ 69.272 χ^2/NDF : 88.4/65

- sign -162.960 $\pm$ 99.133 χ^2/NDF : 22.0/32

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

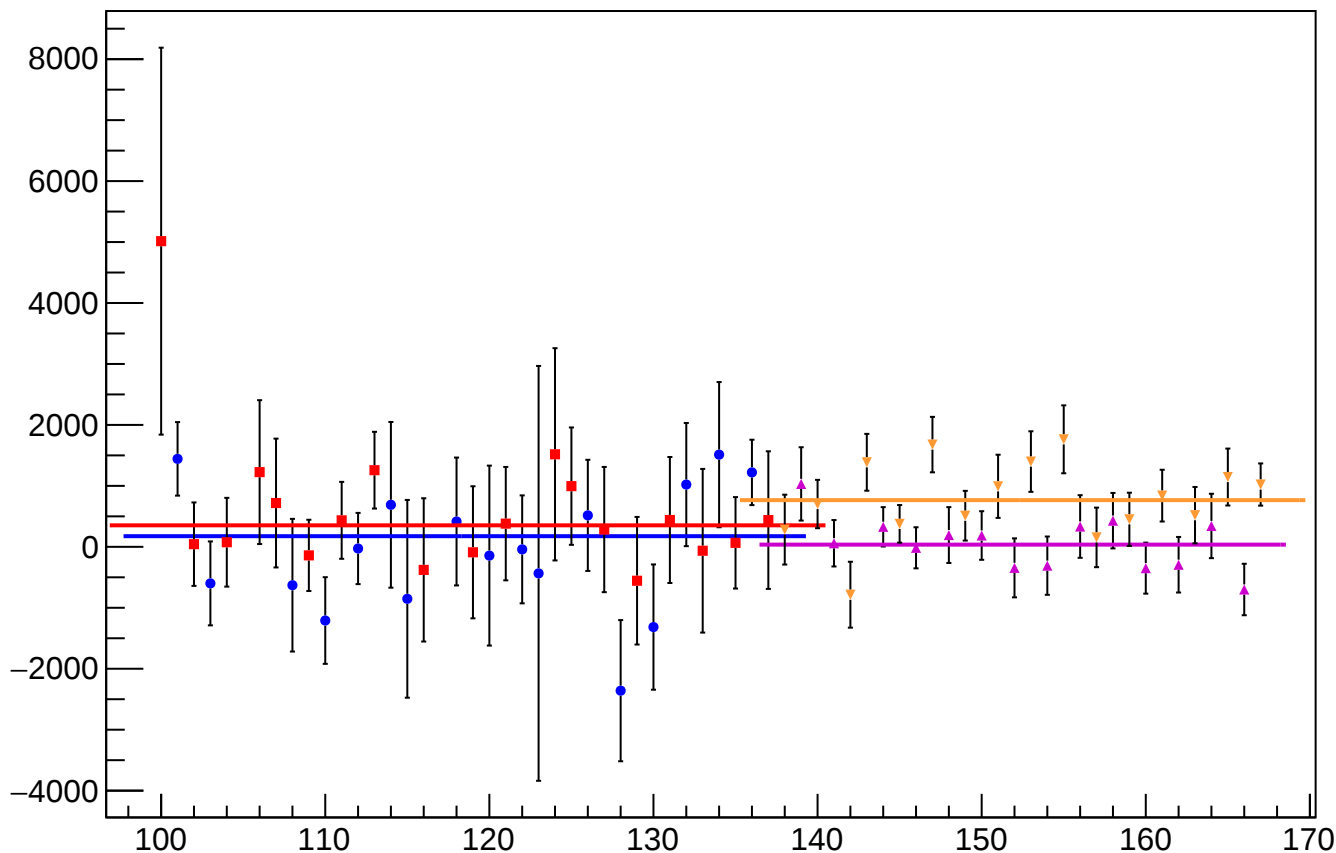
Left In: 368.724 $\pm$ 0.080 χ^2/NDF : 541938.8/13

+ sign 404.053 $\pm$ 0.068 χ^2/NDF : 2101620.4/32

All: 405.328 $\pm$ 0.049 χ^2/NDF : 4210703.8/65

- sign 406.663 $\pm$ 0.070 χ^2/NDF : 2108374.0/32

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

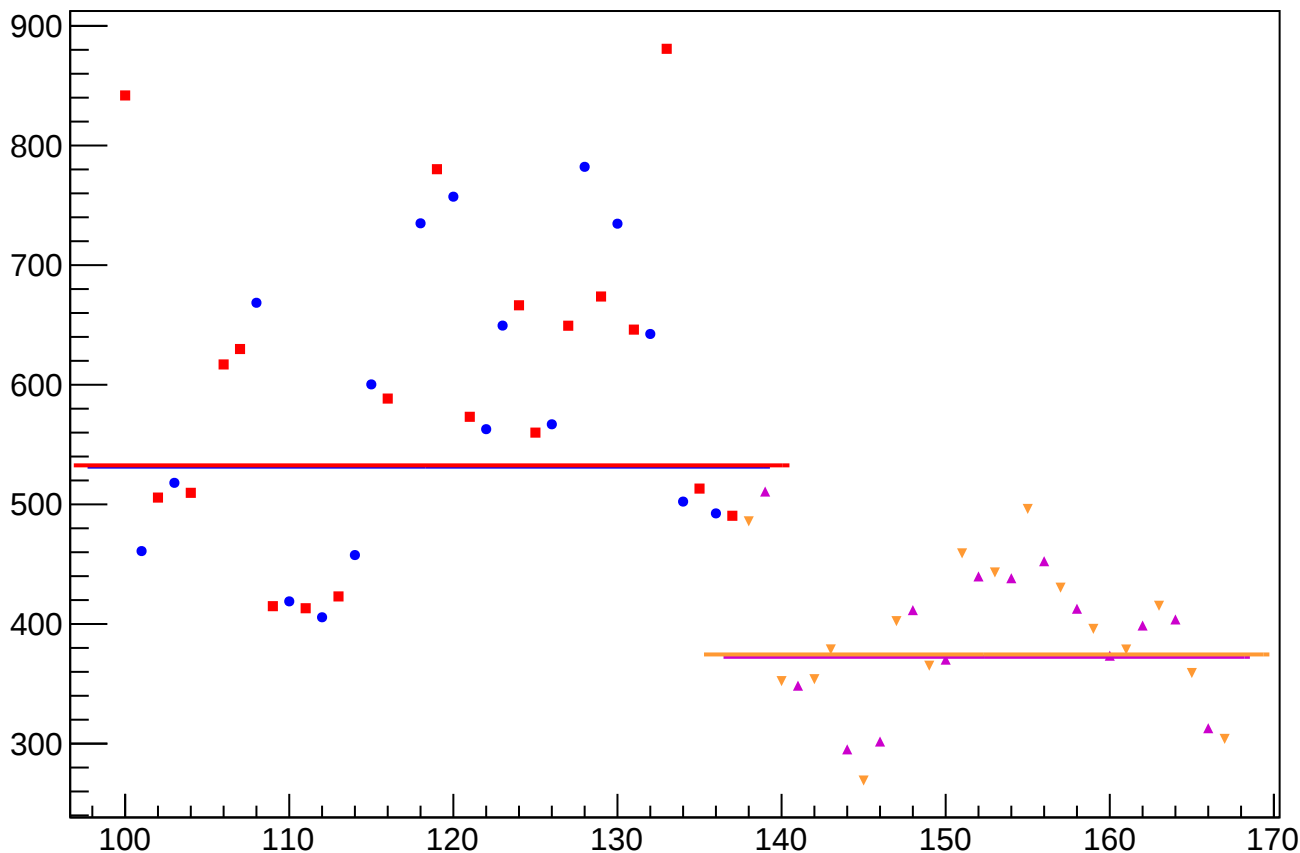
Left In: 36.156 ± 114.627 χ^2/NDF : 10.8/13

+ sign 639.856 ± 97.730 χ^2/NDF : 55.2/32

All: 381.891 ± 69.919 χ^2/NDF : 90.5/65

- sign 111.408 ± 100.073 χ^2/NDF : 21.1/32

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

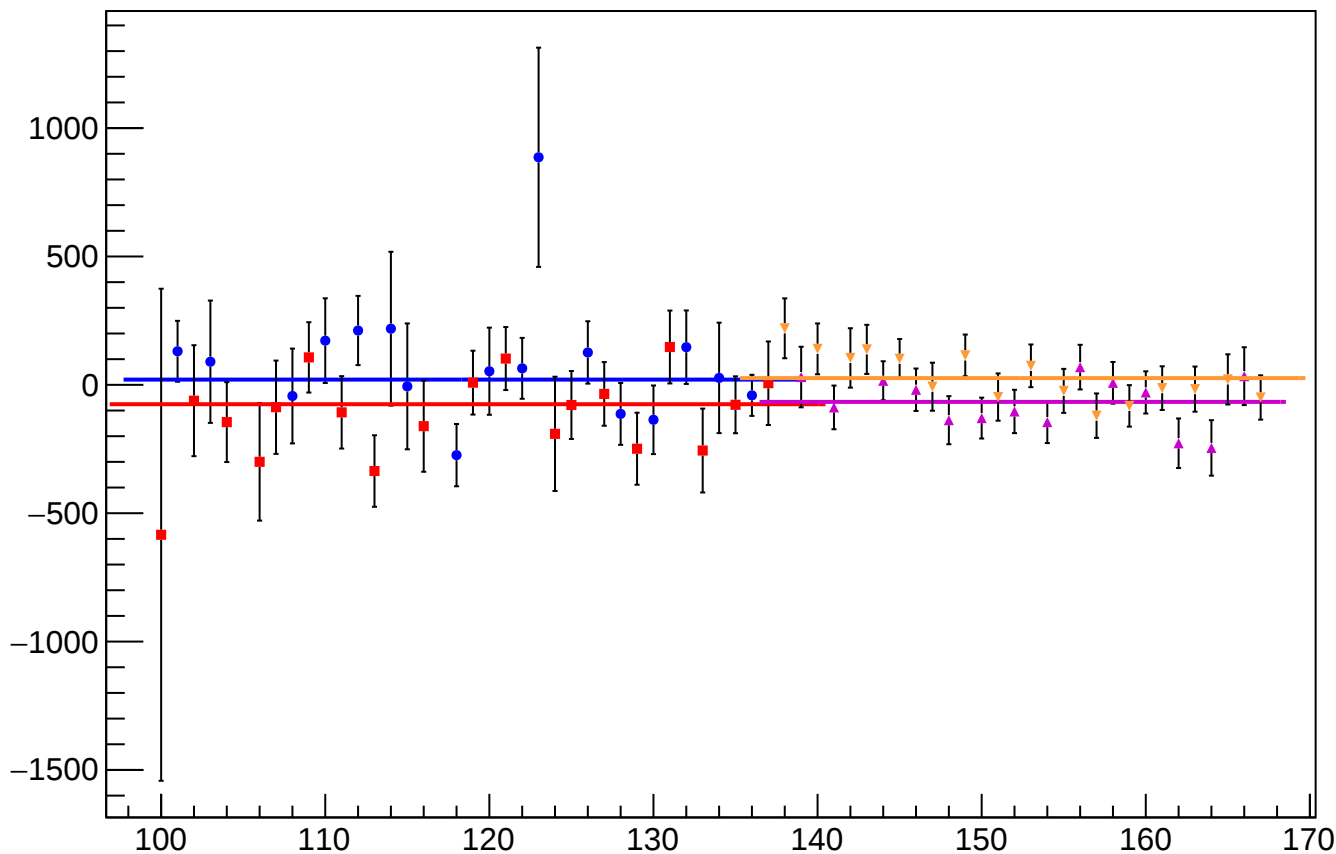
Left In: 372.585 $\pm$ 0.081 χ^2 /NDF: 525168.0/13

+ sign 408.020 $\pm$ 0.069 χ^2 /NDF: 2061264.6/32

All: 409.302 $\pm$ 0.049 χ^2 /NDF: 4130020.8/65

- sign 410.646 $\pm$ 0.071 χ^2 /NDF: 2068051.2/32

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

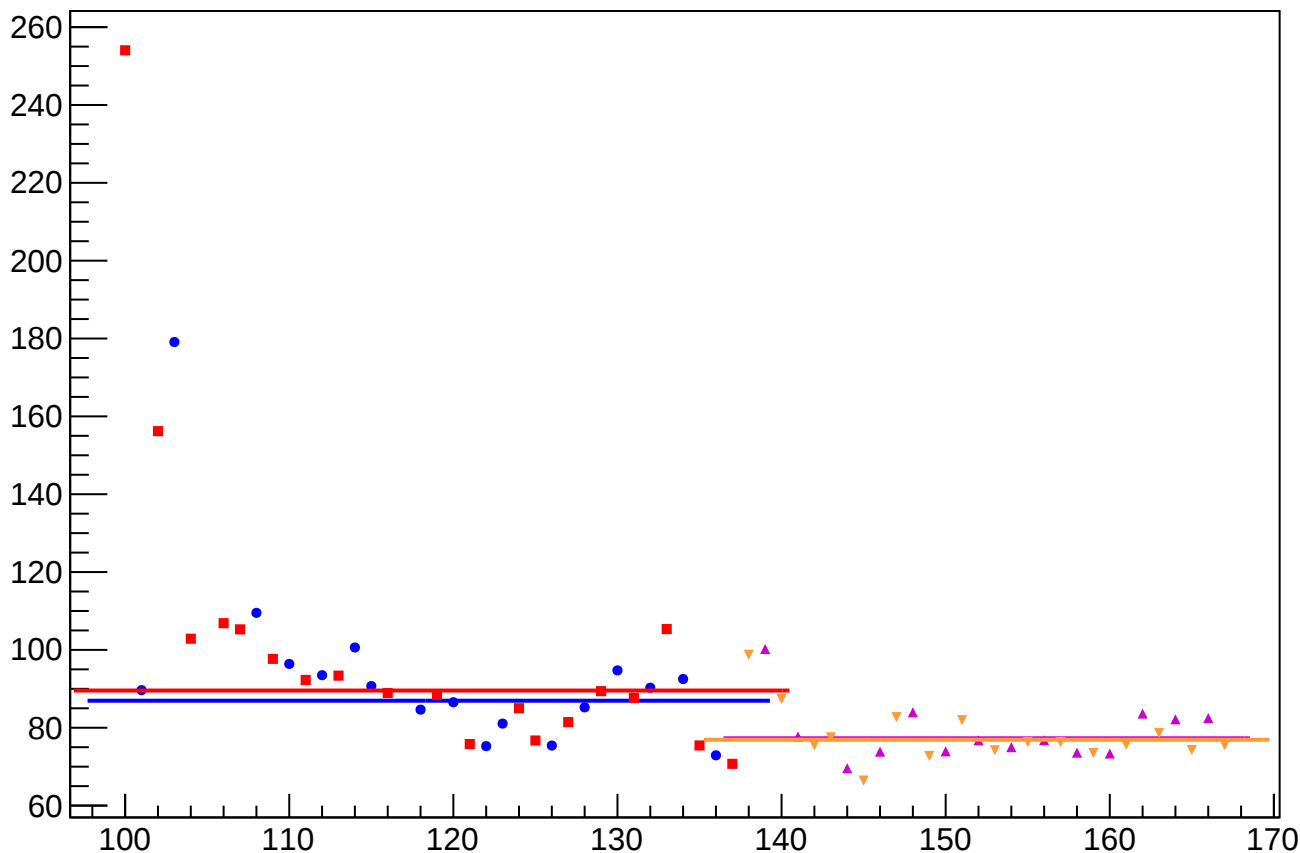
Left In: -66.385 $\pm$ 23.601 χ^2 /NDF: 14.4/13

+ sign 24.533 $\pm$ 18.824 χ^2 /NDF: 34.7/32

All: -20.671 $\pm$ 13.548 χ^2 /NDF: 76.4/65

- sign -69.253 $\pm$ 19.515 χ^2 /NDF: 29.8/32

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 76.916+/-0.016 χ^2/NDF : 158271.3/15

Right Out: 89.561+/-0.025 χ^2/NDF : 431229.7/18

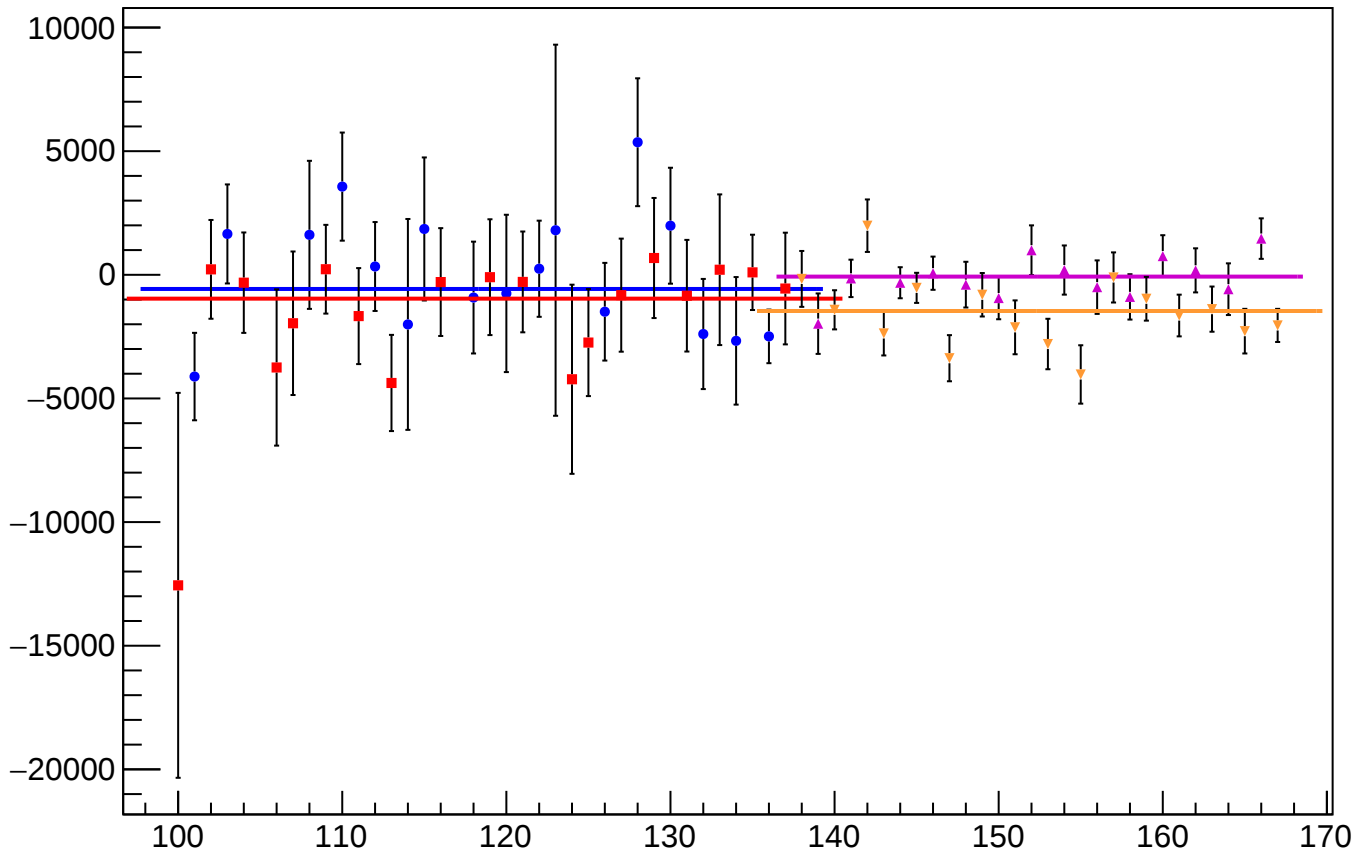
Left In: 77.292+/-0.017 χ^2/NDF : 140795.7/13

+ sign 79.887+/-0.013 χ^2/NDF : 732378.0/32

All: 80.507+/-0.010 χ^2/NDF : 1479846.7/65

- sign 81.173+/-0.014 χ^2/NDF : 742969.2/32

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

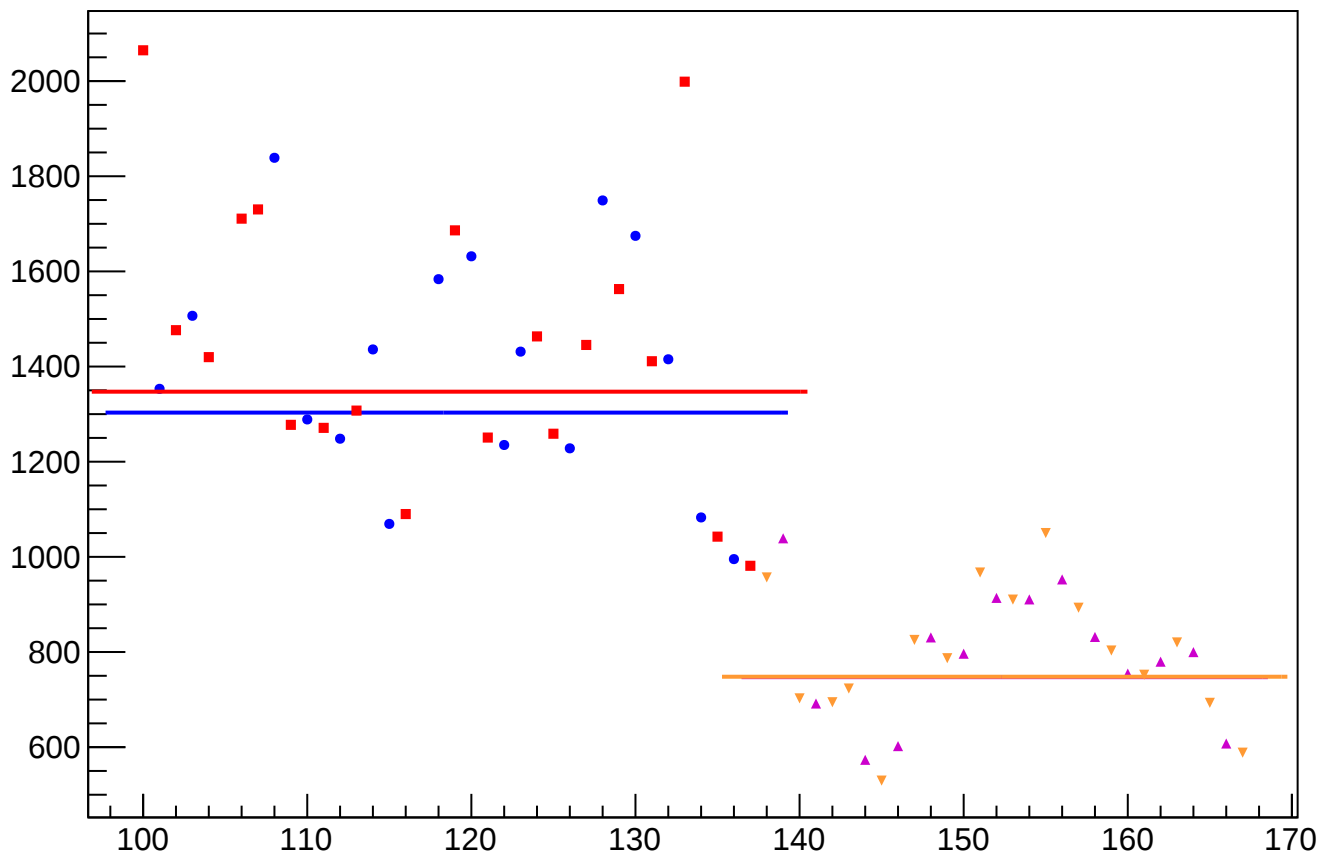
Left In: -72.453 ± 230.578 χ^2/NDF : 10.7/13

+ sign -1325.900 ± 203.098 χ^2/NDF : 55.0/32

All: -793.246 ± 146.133 χ^2/NDF : 92.5/65

- sign -221.484 ± 210.422 χ^2/NDF : 23.3/32

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 748.036+/-0.156 χ^2/NDF : 800995.6/15

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

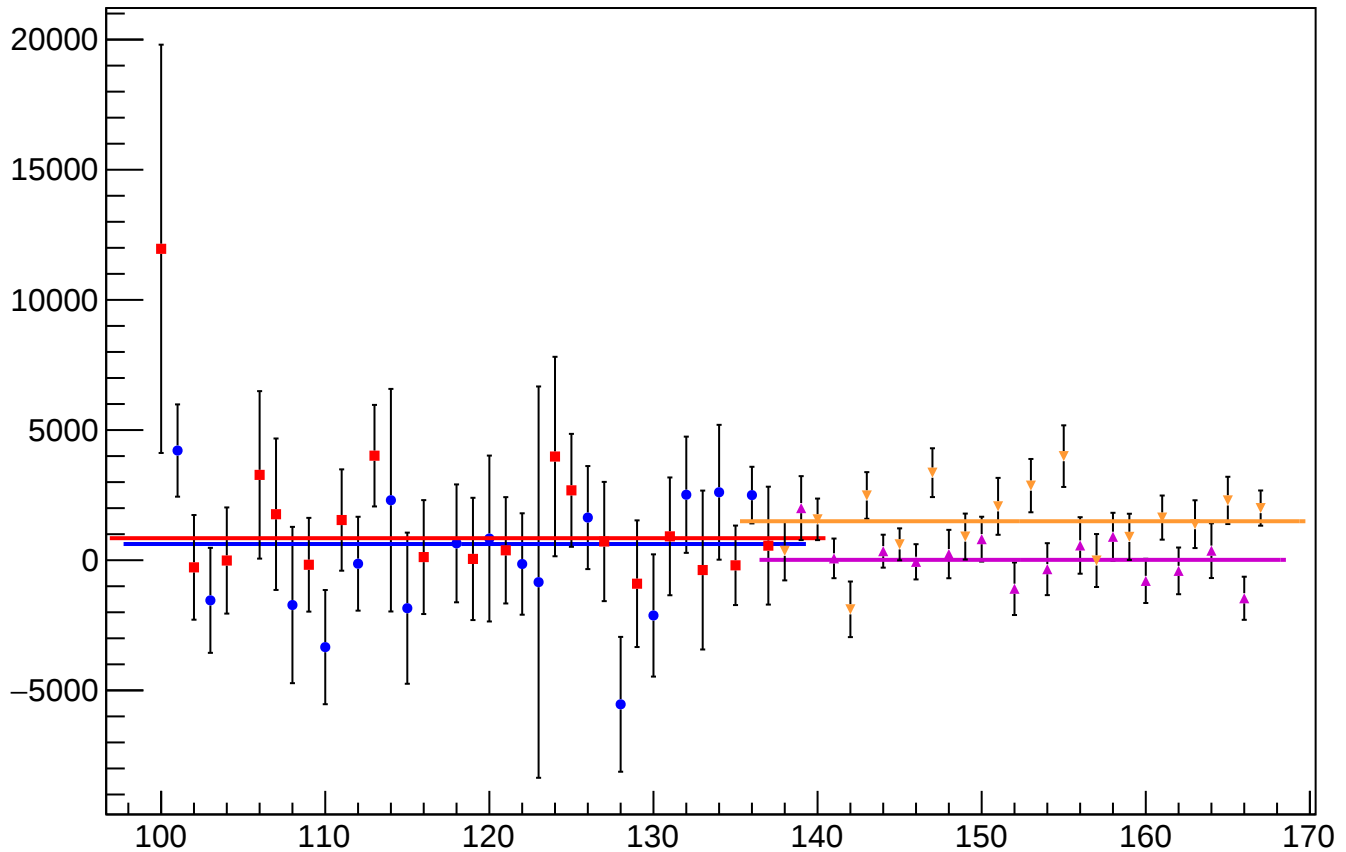
Left In: 747.119+/-0.163 χ^2/NDF : 657867.8/13

+ sign 833.704+/-0.144 χ^2/NDF : 3203114.8/32

All: 840.330+/-0.103 χ^2/NDF : 6550751.0/65

- sign 847.442+/-0.149 χ^2/NDF : 3343222.8/32

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

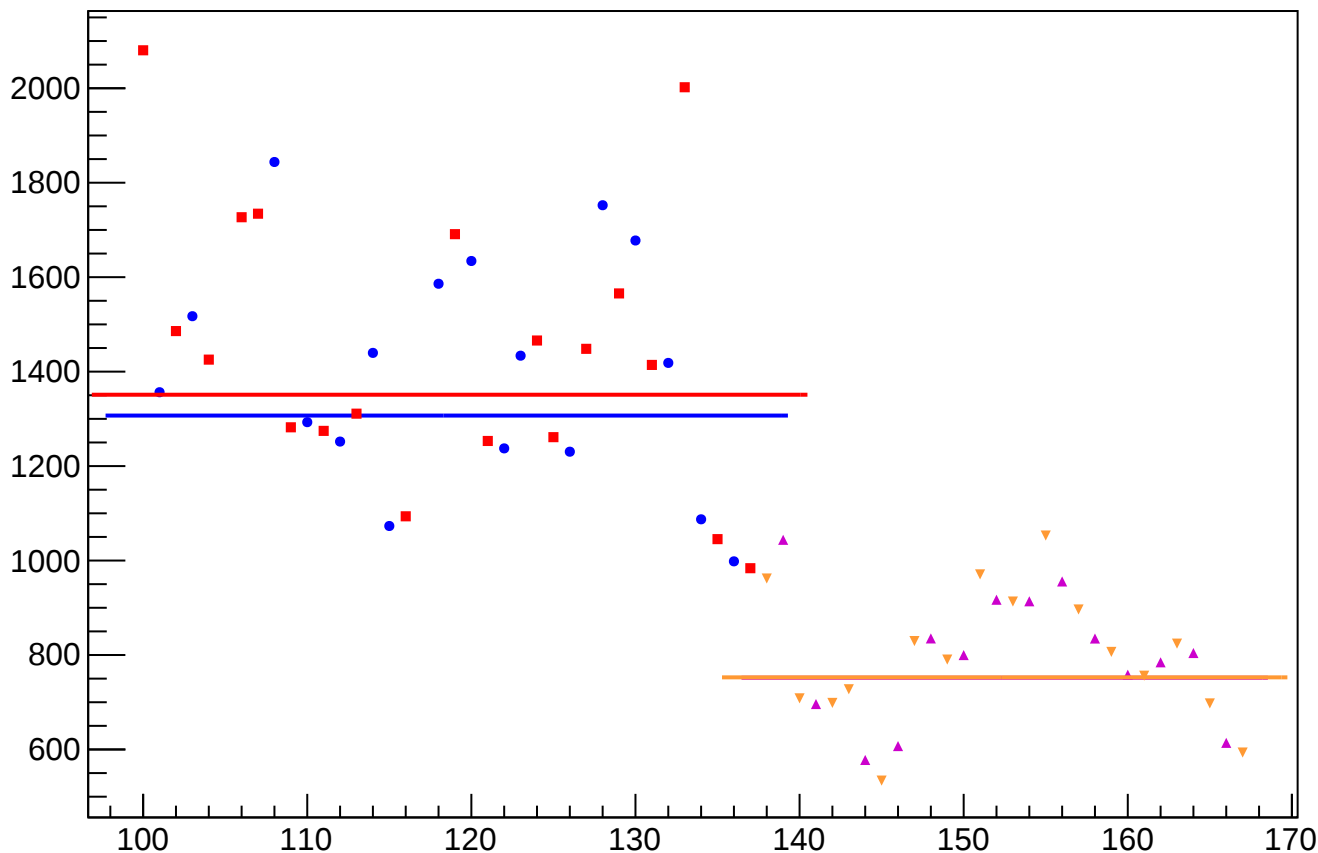
Left In: 14.005 $\pm$ 231.968 χ^2 /NDF:10.8/13

+ sign 1361.533 $\pm$ 204.200 χ^2 /NDF: 53.7/32

All: 779.108 $\pm$ 146.936 χ^2 /NDF: 92.6/65

- sign 153.736 $\pm$ 211.595 χ^2 /NDF: 22.0/32

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 $\pm$ 0.367 χ^2 /NDF: 451191.7/16

Left Out: 752.679 $\pm$ 0.157 χ^2 /NDF: 786892.7/15

Right Out: 1351.096 $\pm$ 0.365 χ^2 /NDF: 421804.6/18

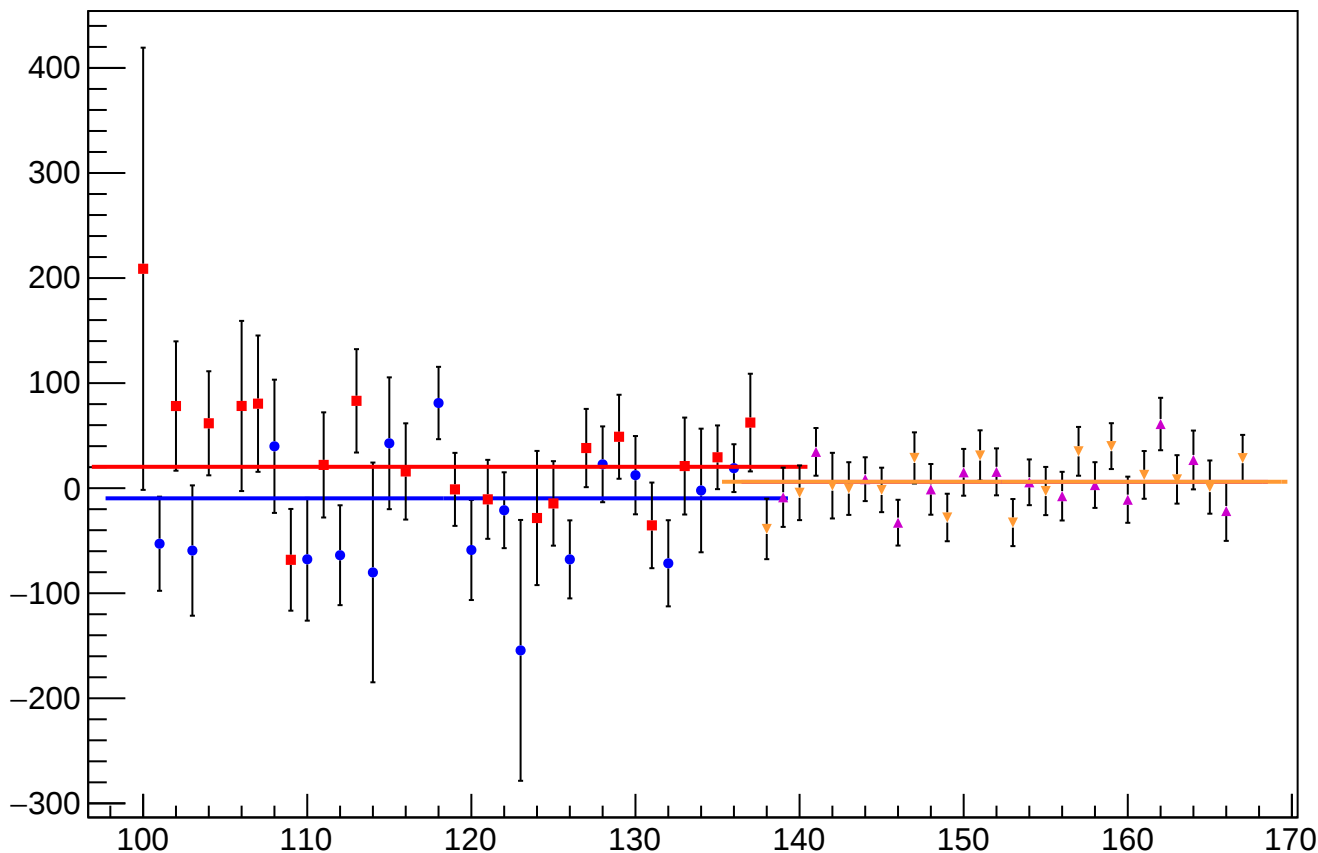
Left In: 751.862 $\pm$ 0.164 χ^2 /NDF: 645118.5/13

+ sign 838.653 $\pm$ 0.144 χ^2 /NDF: 3169319.2/32

All: 845.330 $\pm$ 0.104 χ^2 /NDF: 6482131.8/65

- sign 852.500 $\pm$ 0.150 χ^2 /NDF: 3308377.9/32

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

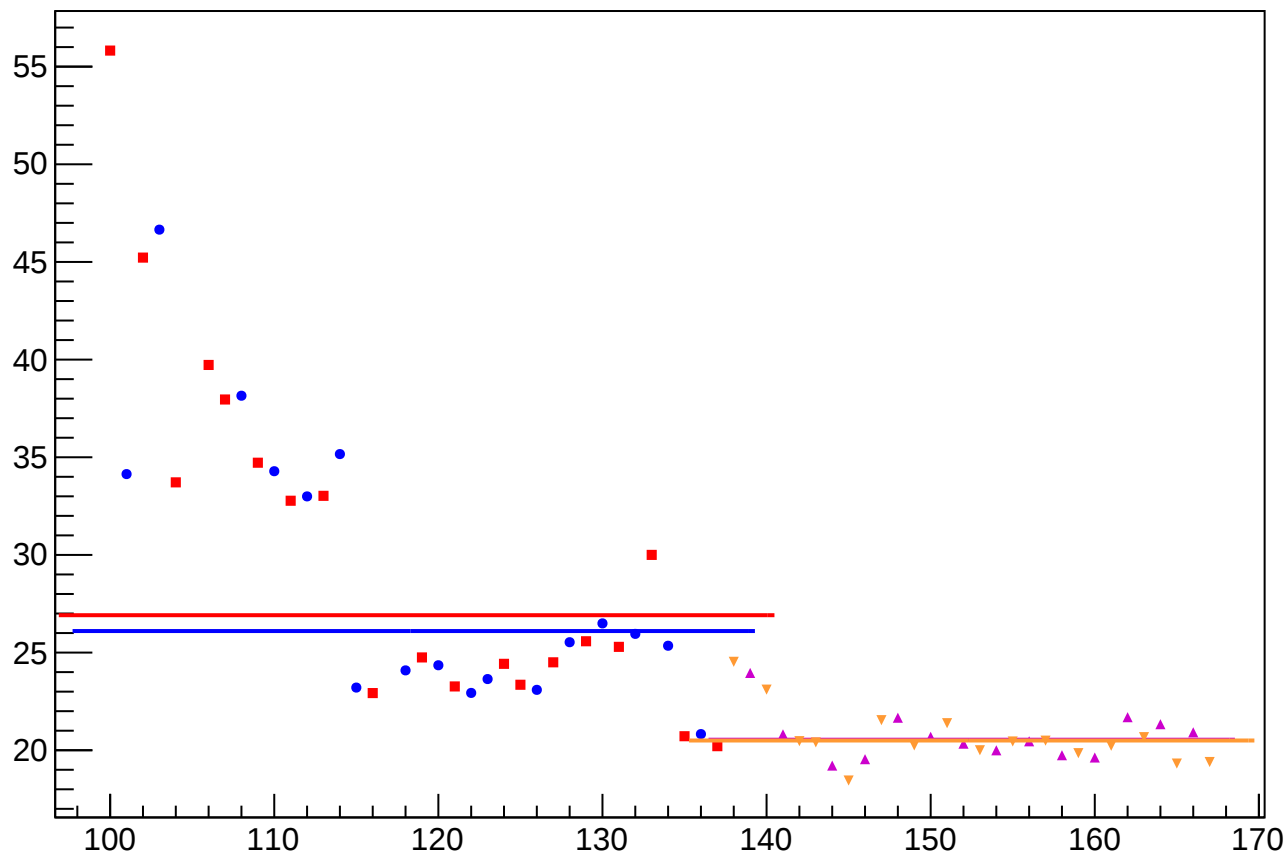
Left In: 5.966 ± 6.248 χ^2/NDF : 12.8/13

+ sign 2.209 ± 5.170 χ^2/NDF : 39.6/32

All: 5.844 ± 3.722 χ^2/NDF : 69.5/65

- sign 9.753 ± 5.362 χ^2/NDF : 28.9/32

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

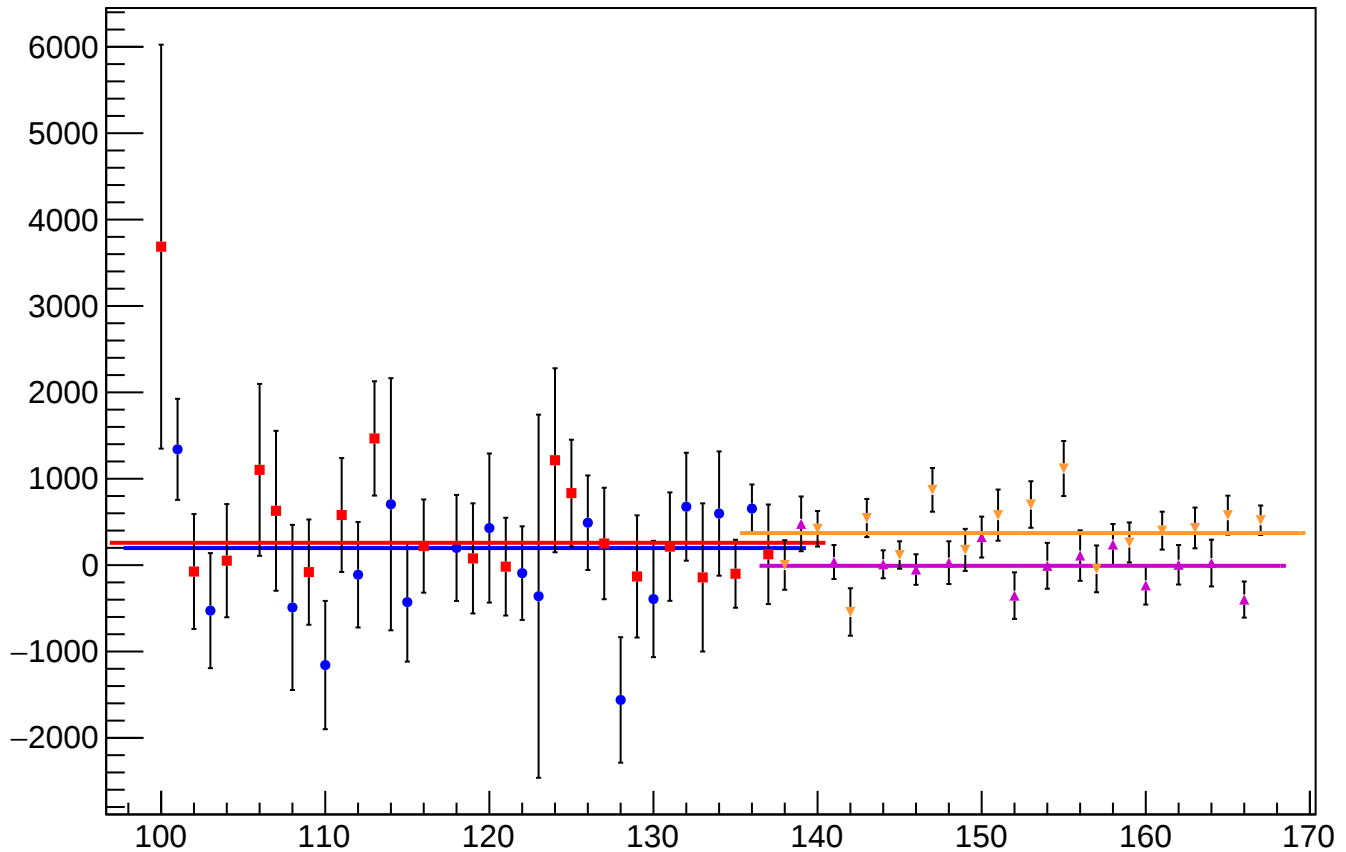
Left In: 20.539 $\pm$ 0.004 χ^2 /NDF: 60187.9/13

+ sign 21.882 $\pm$ 0.004 χ^2 /NDF: 1137876.8/32

All: 22.044 $\pm$ 0.003 χ^2 /NDF: 2429888.5/65

- sign 22.219 $\pm$ 0.004 χ^2 /NDF: 1287900.9/32

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 $\chi^2/\text{NDF}: 21.0/16$

Left Out: 371.397 ± 57.564 $\chi^2/\text{NDF}: 32.3/15$

Right Out: 258.537 ± 149.867 $\chi^2/\text{NDF}: 10.7/18$

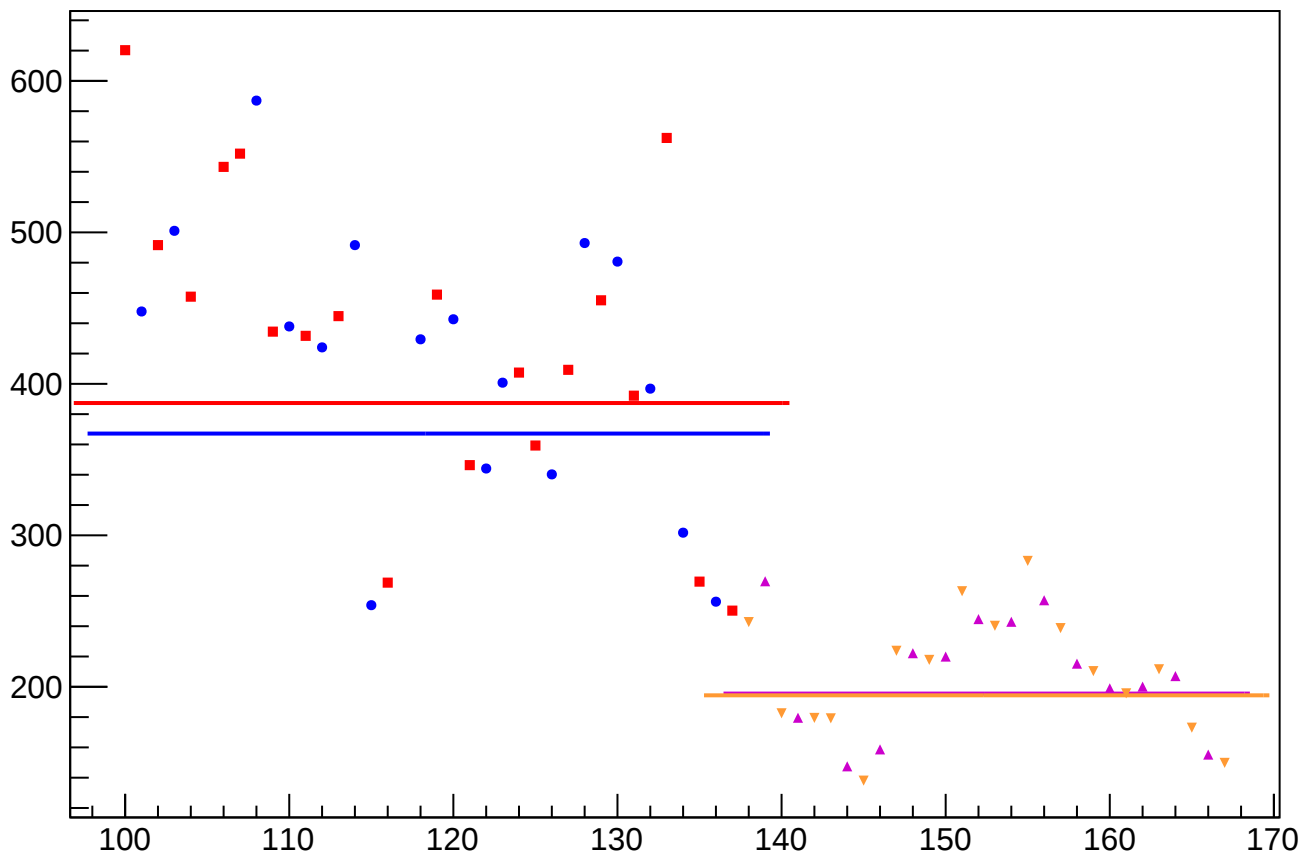
Left In: -7.875 ± 60.466 $\chi^2/\text{NDF}: 11.9/13$

+ sign 348.493 ± 53.643 $\chi^2/\text{NDF}: 54.4/32$

All: 196.024 ± 38.762 $\chi^2/\text{NDF}: 96.6/65$

- sign 29.422 ± 56.074 $\chi^2/\text{NDF}: 25.3/32$

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

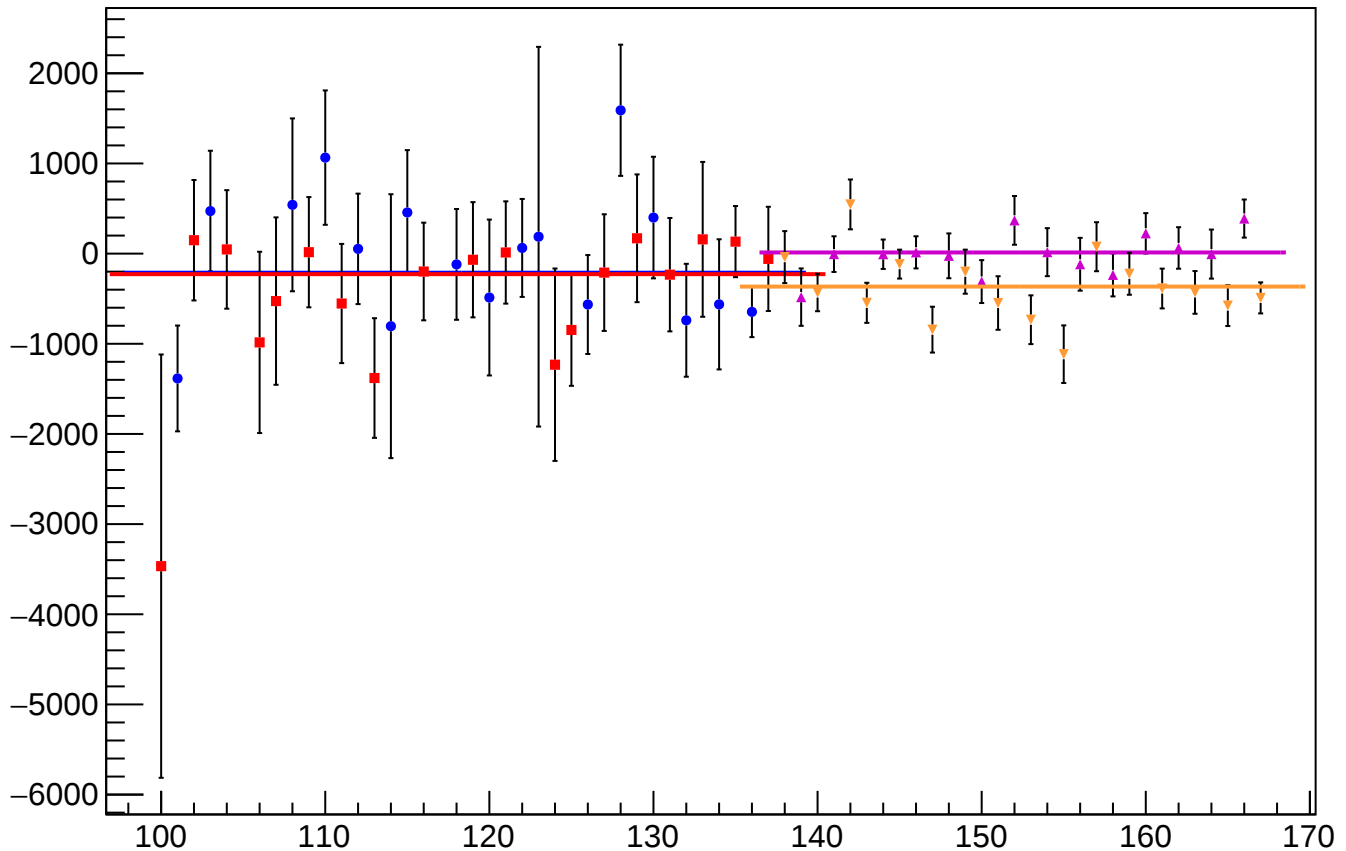
Left In: 195.526 $\pm$ 0.043 χ^2 /NDF: 742976.0/13

+ sign 217.113 $\pm$ 0.038 χ^2 /NDF: 4123876.0/32

All: 219.630 $\pm$ 0.027 χ^2 /NDF: 8468338.2/65

- sign 222.380 $\pm$ 0.040 χ^2 /NDF: 4335250.8/32

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

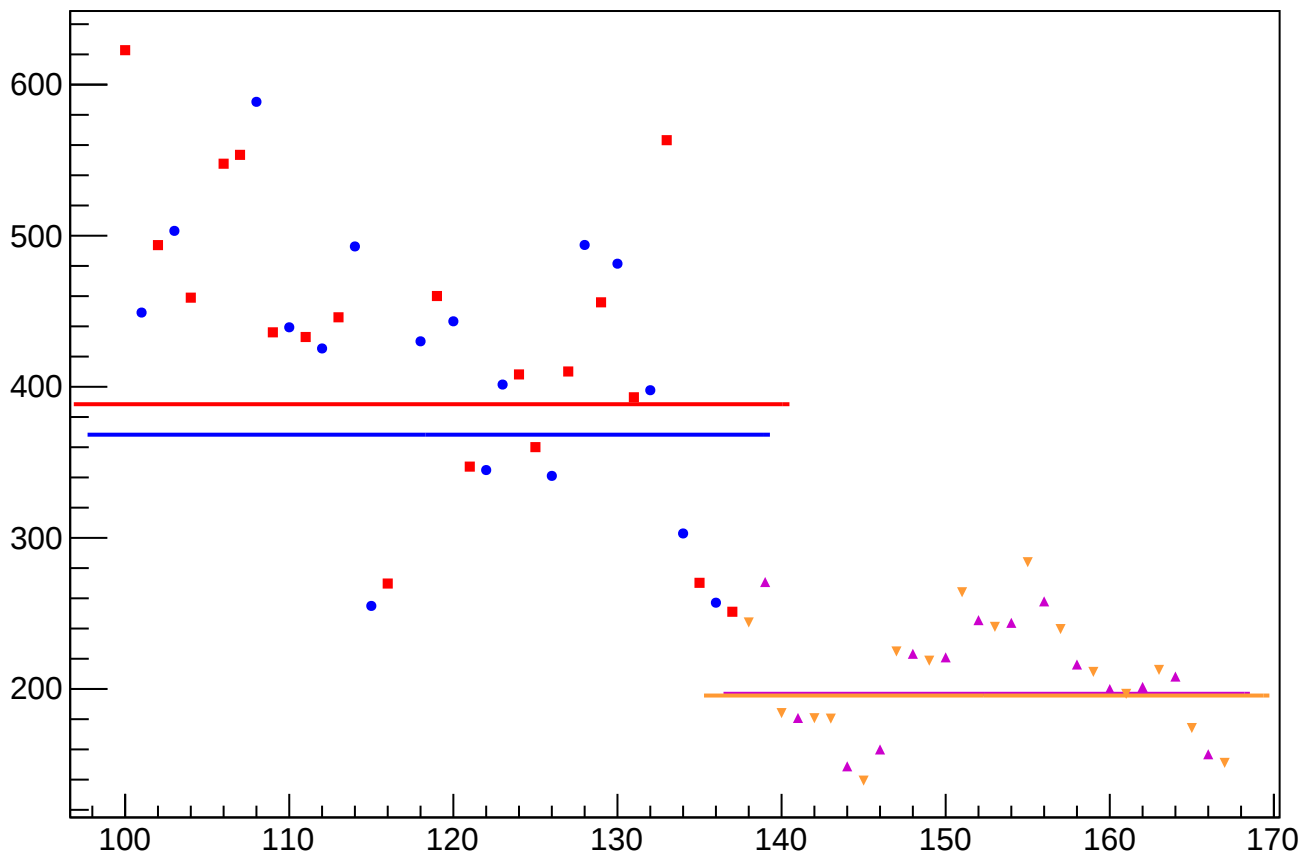
Left In: 12.793 ± 60.840 χ^2/NDF : 11.5/13

+ sign -345.280 ± 53.950 χ^2/NDF : 53.5/32

All: -190.359 ± 38.984 χ^2/NDF : 94.4/65

- sign -21.077 ± 56.396 χ^2/NDF : 23.7/32

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

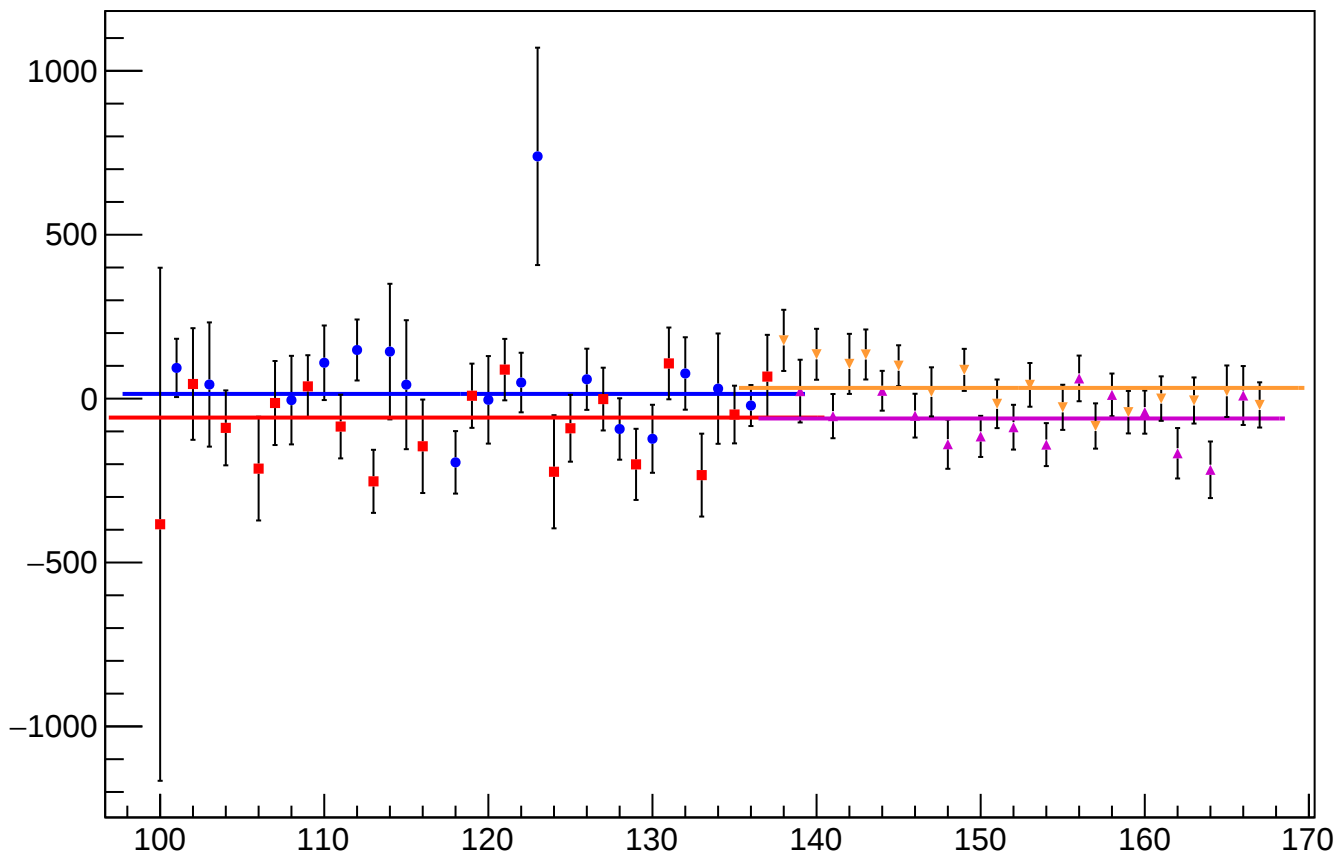
Left In: 196.814 $\pm$ 0.043 χ^2 /NDF: 727381.2/13

+ sign 218.499 $\pm$ 0.038 χ^2 /NDF: 4083913.8/32

All: 221.028 $\pm$ 0.028 χ^2 /NDF: 8388947.9/65

- sign 223.792 $\pm$ 0.040 χ^2 /NDF: 4295833.8/32

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 32.688 $\pm$ 17.939 χ^2 /NDF: 15.0/15

Right Out: -57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

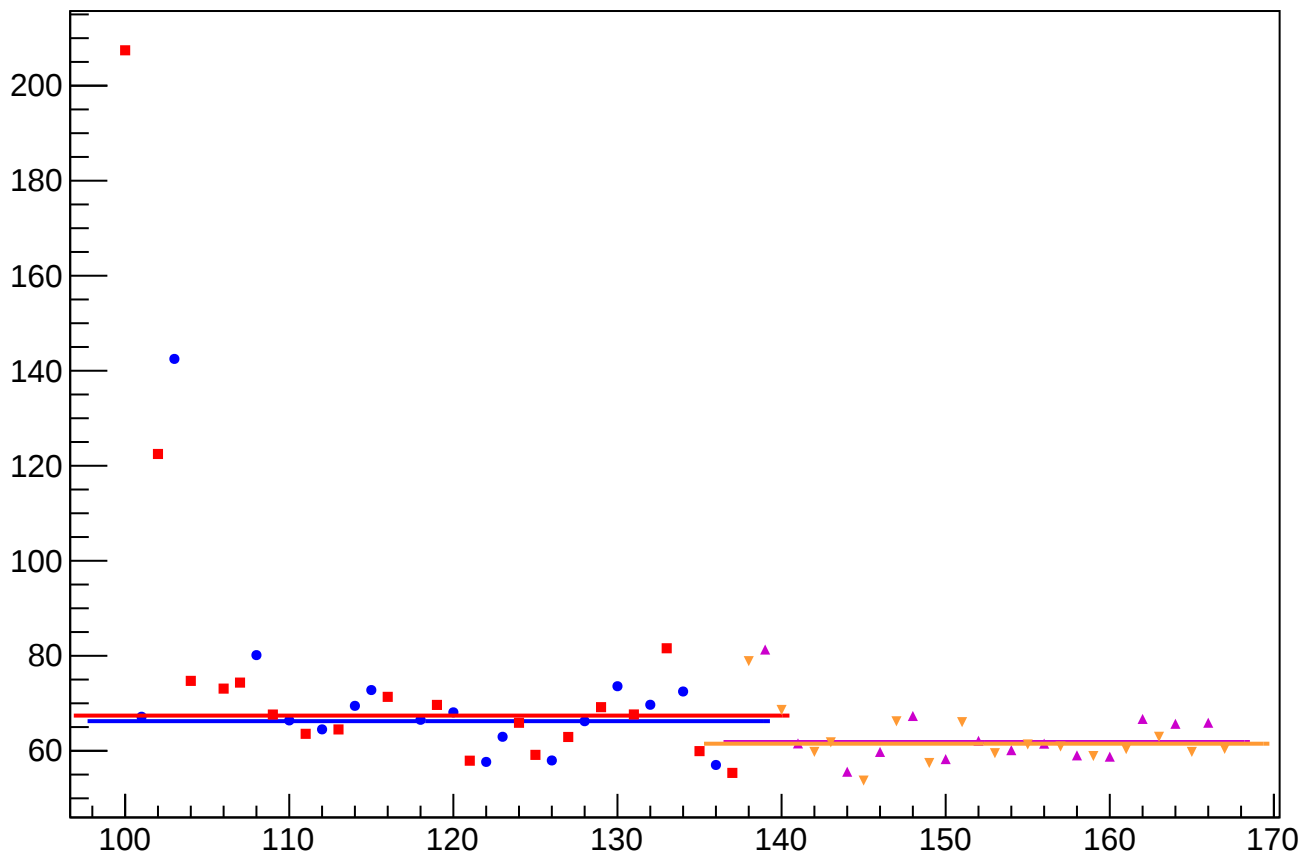
Left In: -60.597 $\pm$ 18.887 χ^2 /NDF: 16.4/13

+ sign 26.887 $\pm$ 14.826 χ^2 /NDF: 33.0/32

All: -14.999 $\pm$ 10.649 χ^2 /NDF: 84.3/65

- sign -59.635 $\pm$ 15.305 χ^2 /NDF: 34.8/32

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

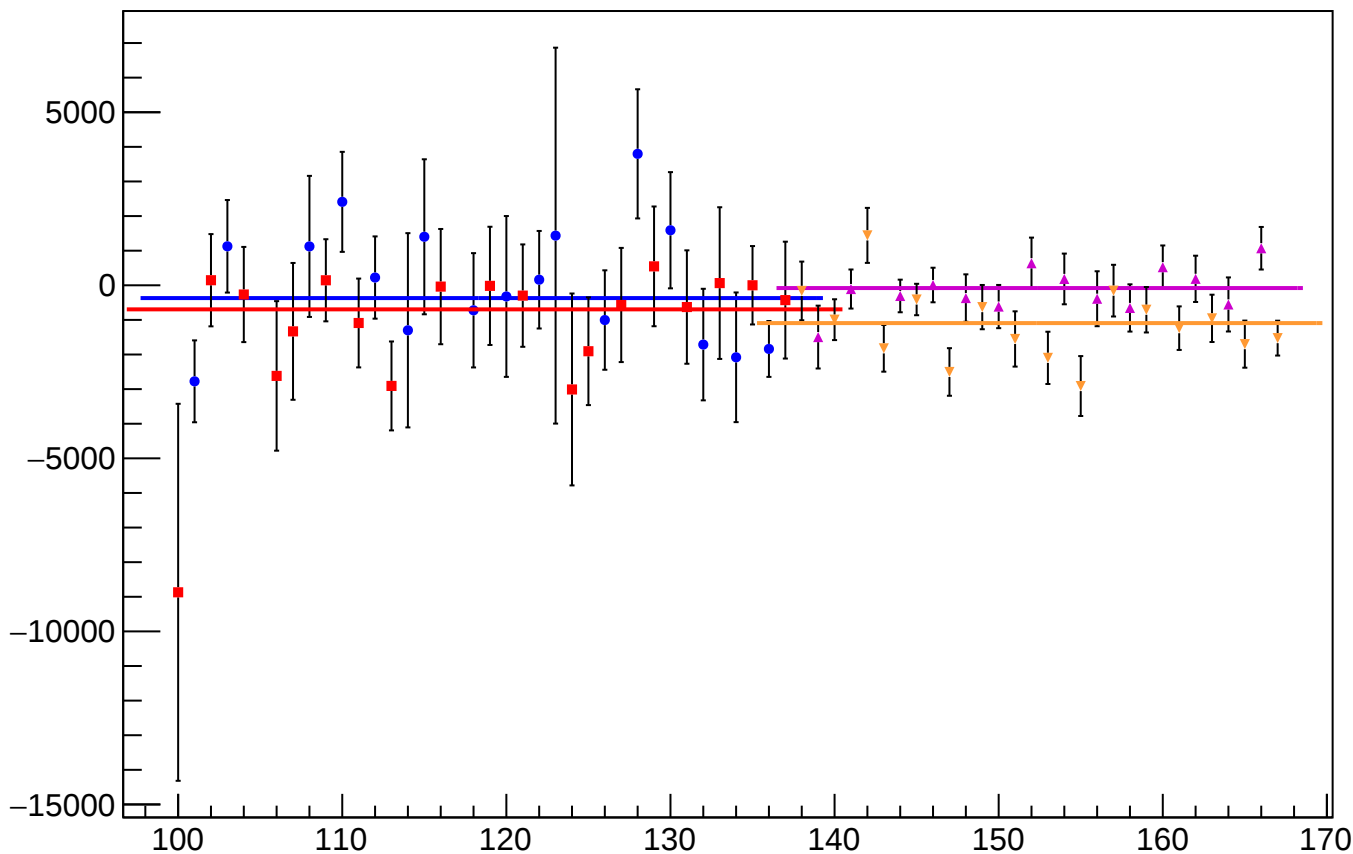
Left In: 61.857 ± 0.013 χ^2/NDF : 148697.9/13

+ sign 63.004 ± 0.010 χ^2/NDF : 634714.1/32

All: 63.373 ± 0.008 χ^2/NDF : 1239029.5/65

- sign 63.766 ± 0.011 χ^2/NDF : 601763.8/32

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

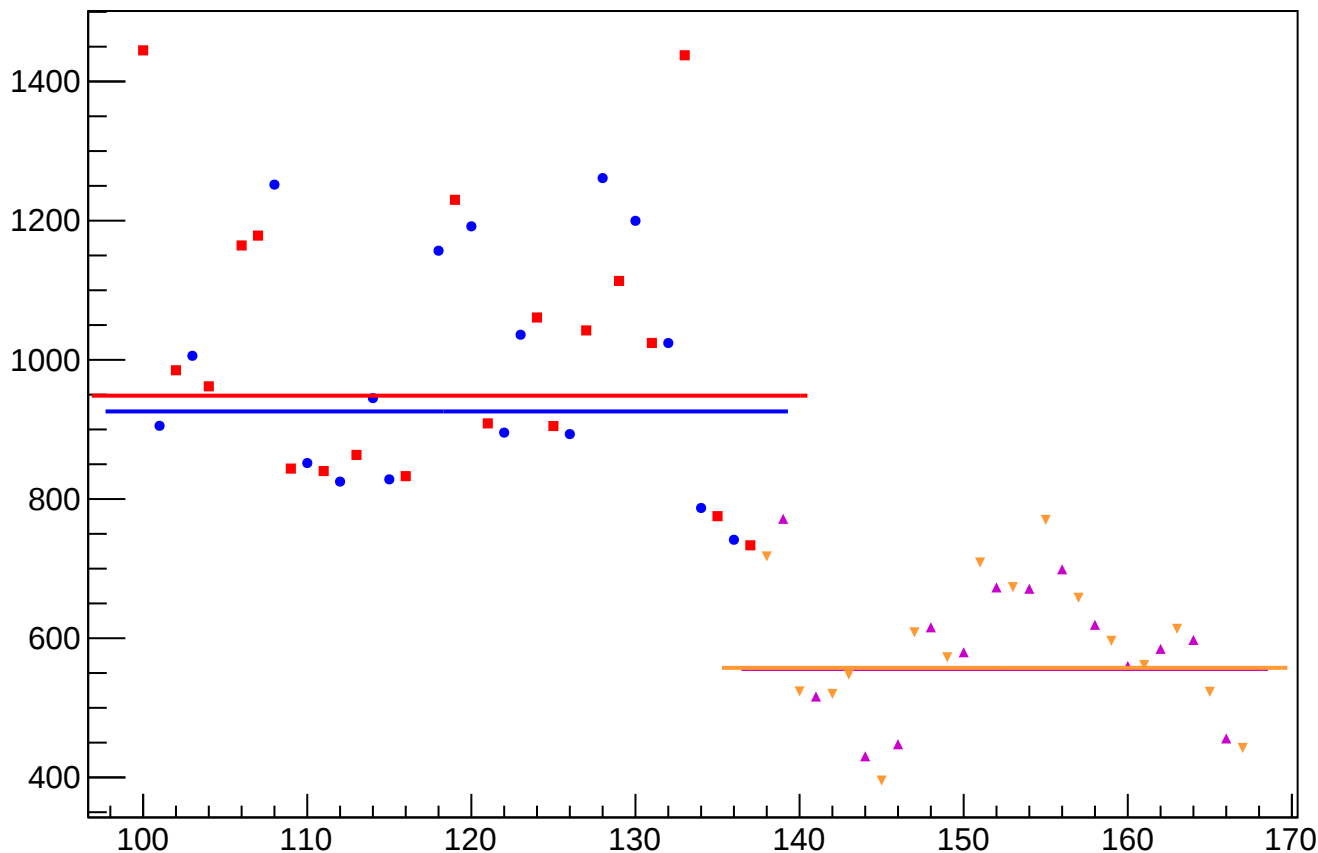
Left In: -79.859±/171.388 χ^2/NDF : 10.5/13

+ sign -971.012±/150.000 χ^2/NDF : 55.2/32

All: -594.314±/107.755 χ^2/NDF : 91.0/65

- sign -192.631±/154.895 χ^2/NDF : 22.8/32

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

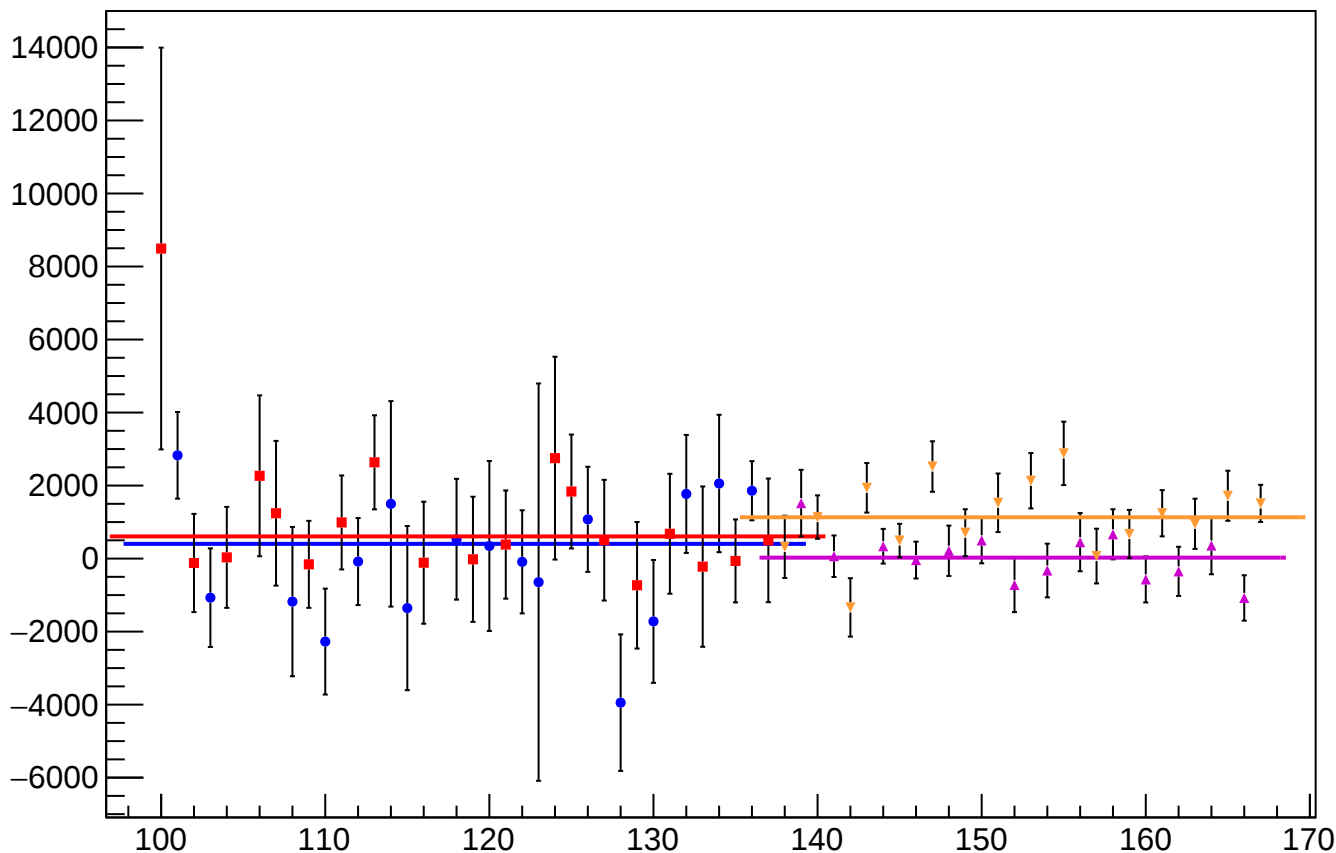
Left In: 555.817 $\pm$ 0.121 χ^2/NDF : 620944.2/13

+ sign 619.202 $\pm$ 0.106 χ^2/NDF : 2829866.3/32

All: 623.346 $\pm$ 0.076 χ^2/NDF : 5759875.3/65

- sign 627.766 $\pm$ 0.110 χ^2/NDF : 2926853.4/32

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

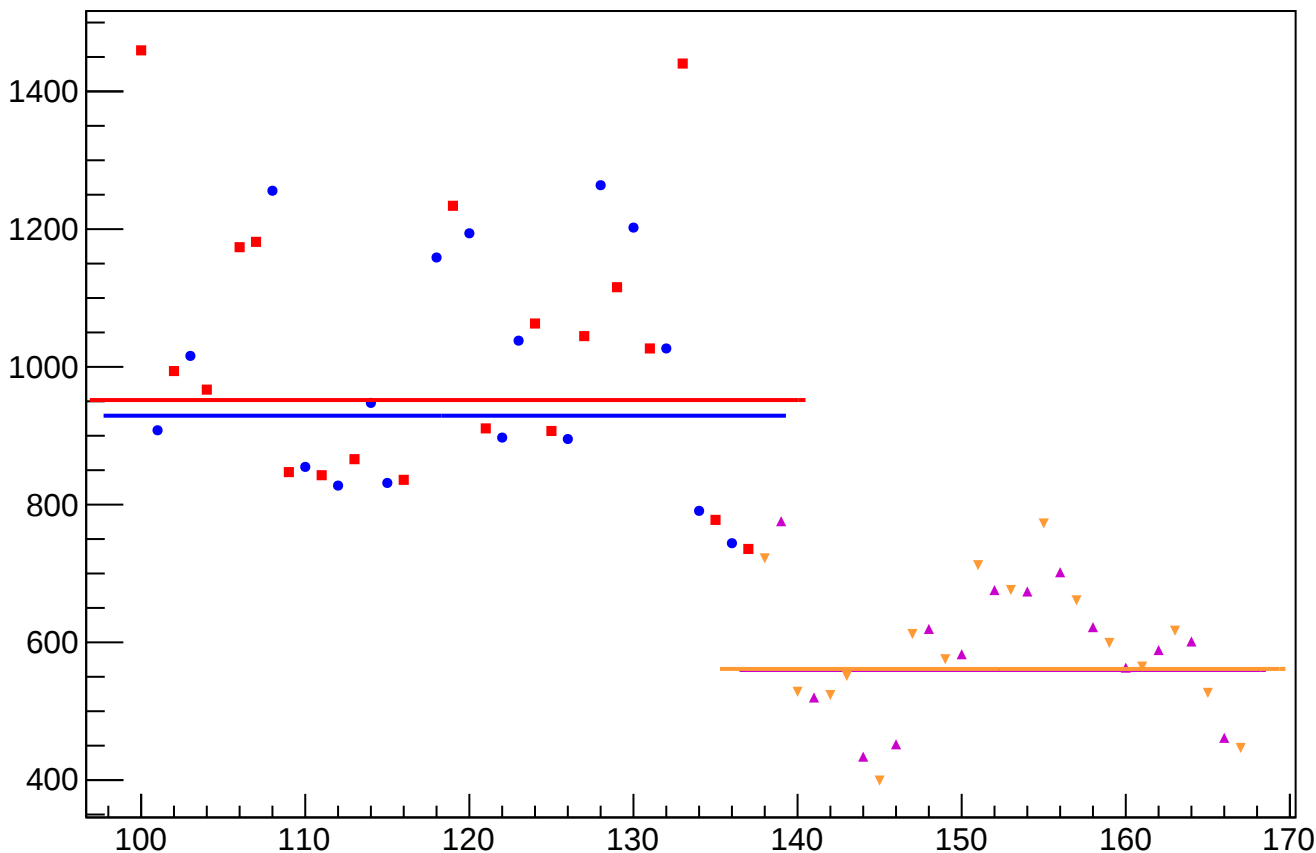
Left In: 25.946+/-172.570 χ^2/NDF : 10.7/13

+ sign 1009.003+/-150.927 χ^2/NDF : 53.9/32

All: 585.117+/-108.430 χ^2/NDF : 91.8/65

- sign 132.952+/-155.880 χ^2/NDF : 21.6/32

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 561.408+/-0.117 χ^2/NDF : 740349.5/15

Right Out: 951.847+/-0.257 χ^2/NDF : 382219.3/18

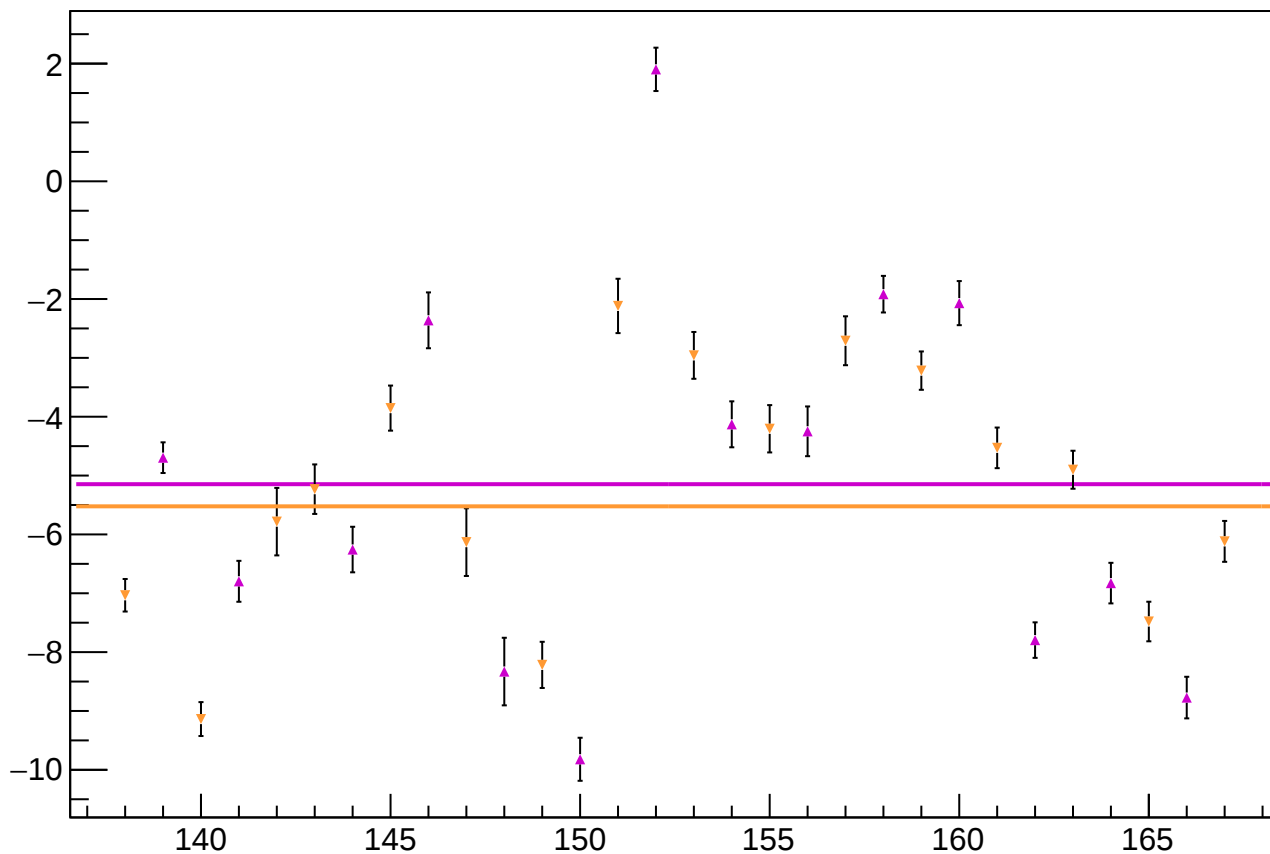
Left In: 559.840+/-0.122 χ^2/NDF : 607402.4/13

+ sign 623.361+/-0.107 χ^2/NDF : 2793679.7/32

All: 627.540+/-0.077 χ^2/NDF : 5686116.4/65

- sign 631.997+/-0.110 χ^2/NDF : 2889268.0/32

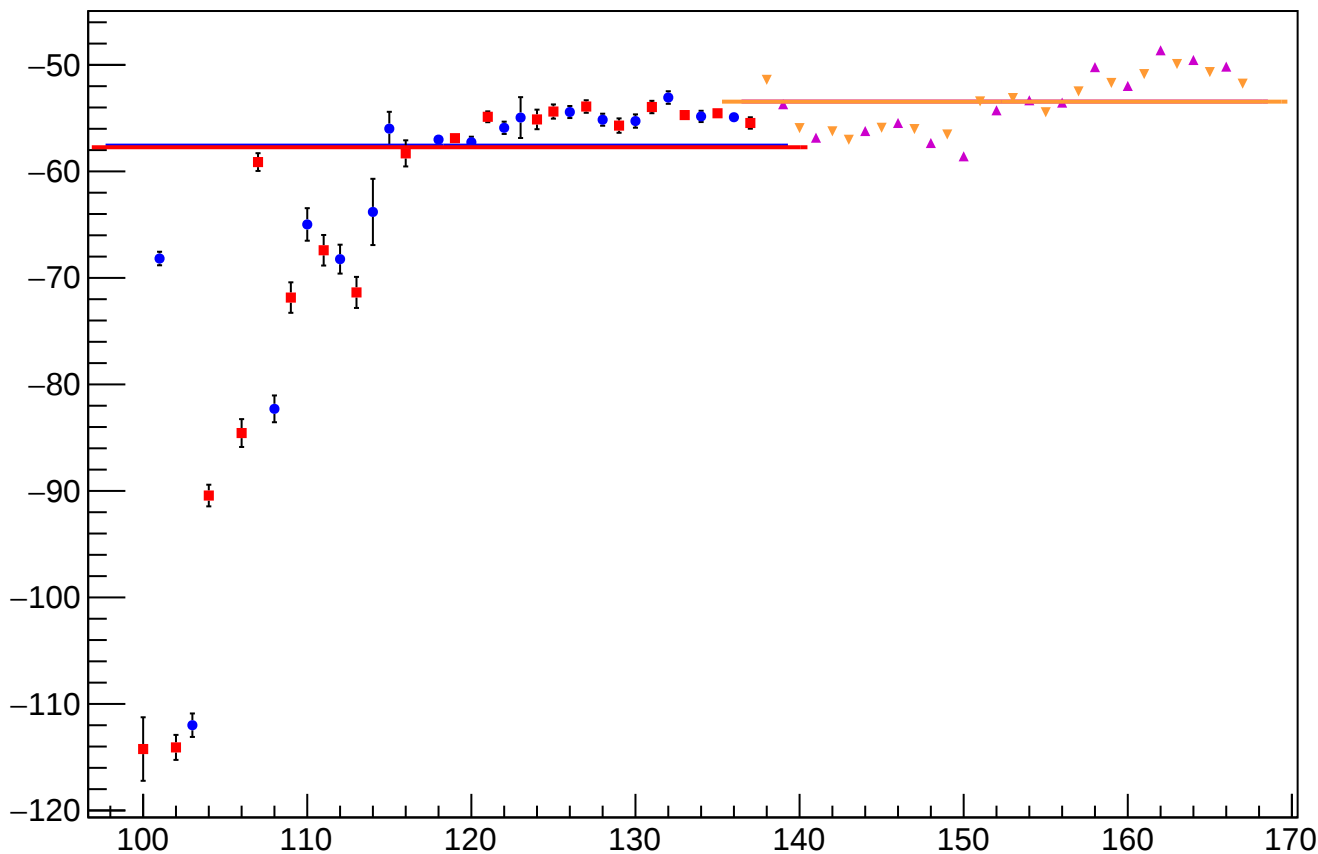
reg_asym_sam1_diff_bpm1X_slope vs Slug



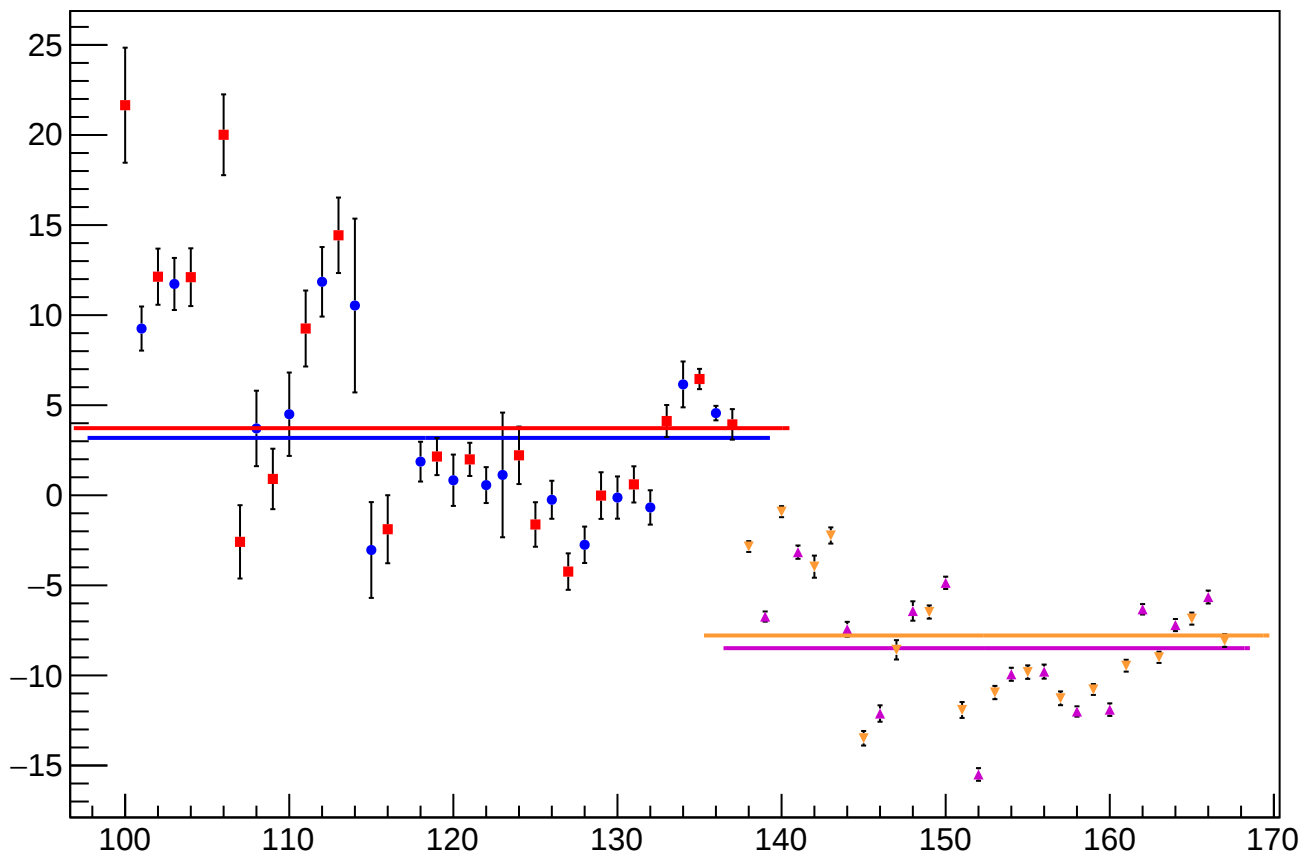
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -5.523+/-0.092 χ^2/NDF : 506.6/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.146+/-0.096 χ^2/NDF : 1021.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -5.342+/-0.066 χ^2/NDF : 1535.7/29
 - 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 χ^2/NDF : 185.8/16

Left Out: -7.783 ± 0.091 χ^2/NDF : 1599.3/15

Right Out: 3.726 ± 0.268 χ^2/NDF : 324.1/18

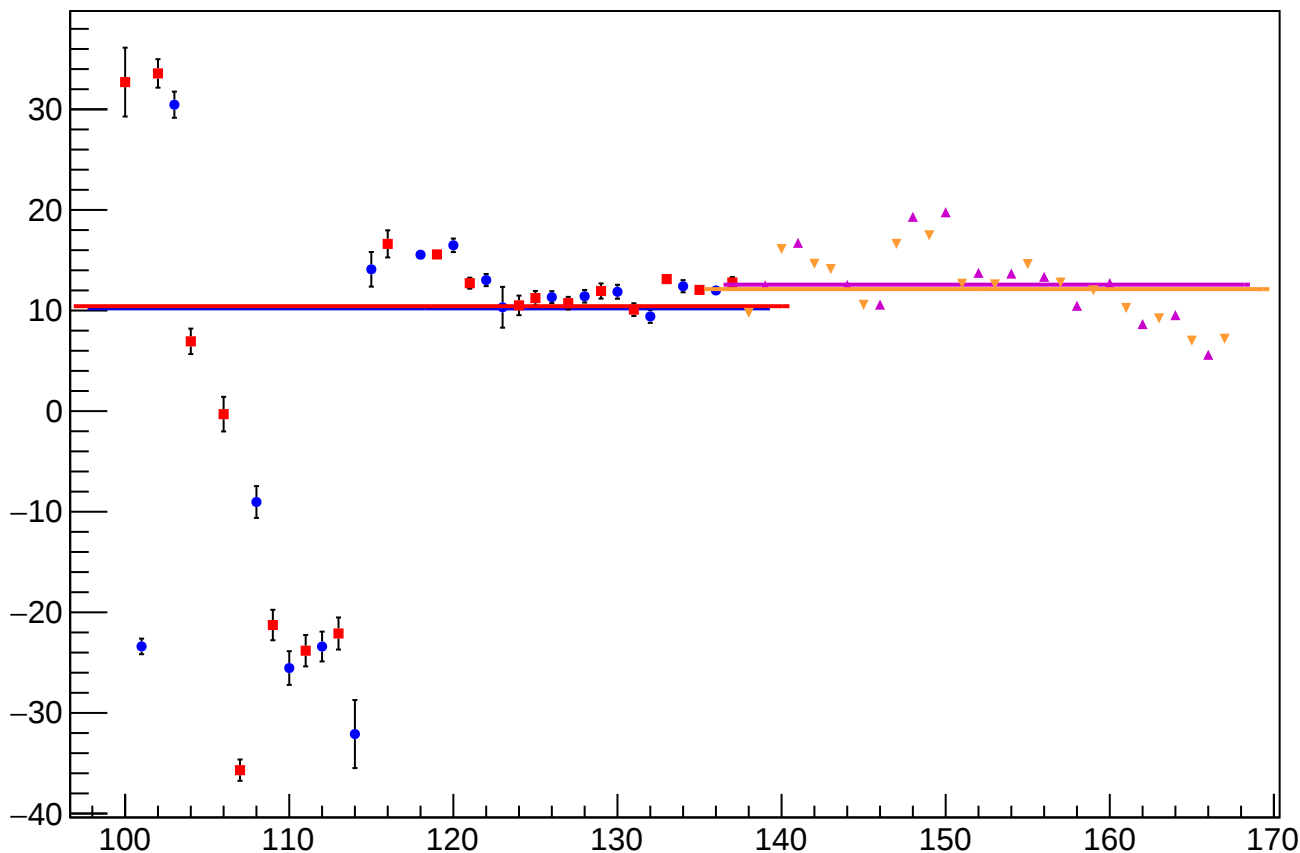
Left In: -8.487 ± 0.094 χ^2/NDF : 1243.8/13

+ sign -6.572 ± 0.086 χ^2/NDF : 3380.4/32

All: -6.851 ± 0.062 χ^2/NDF : 6825.5/65

- sign -7.148 ± 0.089 χ^2/NDF : 3423.4/32

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

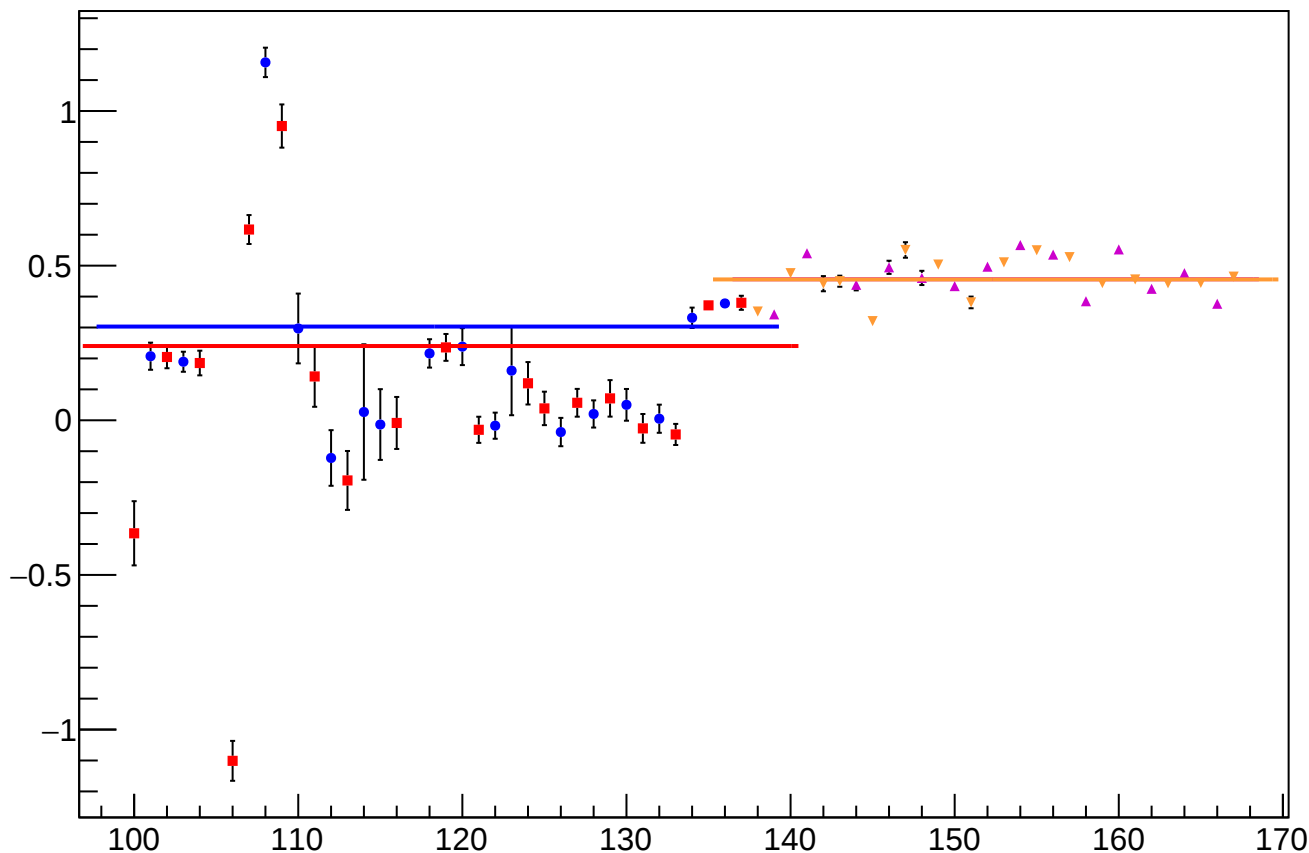
Left In: 12.573 $\pm$ 0.082 χ^2 /NDF: 2005.1/13

+ sign 11.749 $\pm$ 0.070 χ^2 /NDF: 5320.0/32

All: 11.929 $\pm$ 0.051 χ^2 /NDF: 11307.3/65

- sign 12.124 $\pm$ 0.073 χ^2 /NDF: 5973.7/32

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

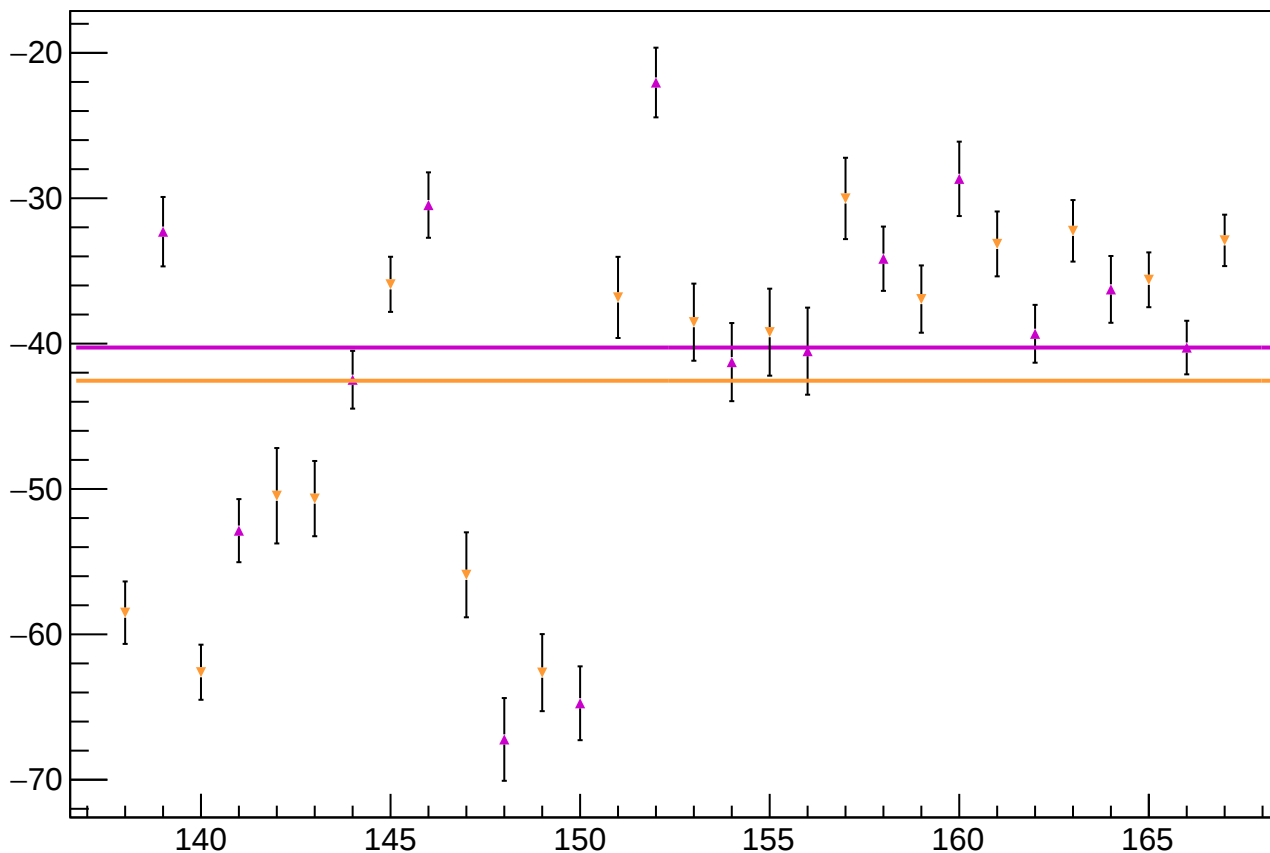
Left In: 0.456 $\pm$ 0.004 χ^2 /NDF: 431.1/13

+ sign 0.432 $\pm$ 0.003 χ^2 /NDF: 1236.5/32

All: 0.427 $\pm$ 0.002 χ^2 /NDF: 3198.2/65

- sign 0.423 $\pm$ 0.003 χ^2 /NDF: 1958.3/32

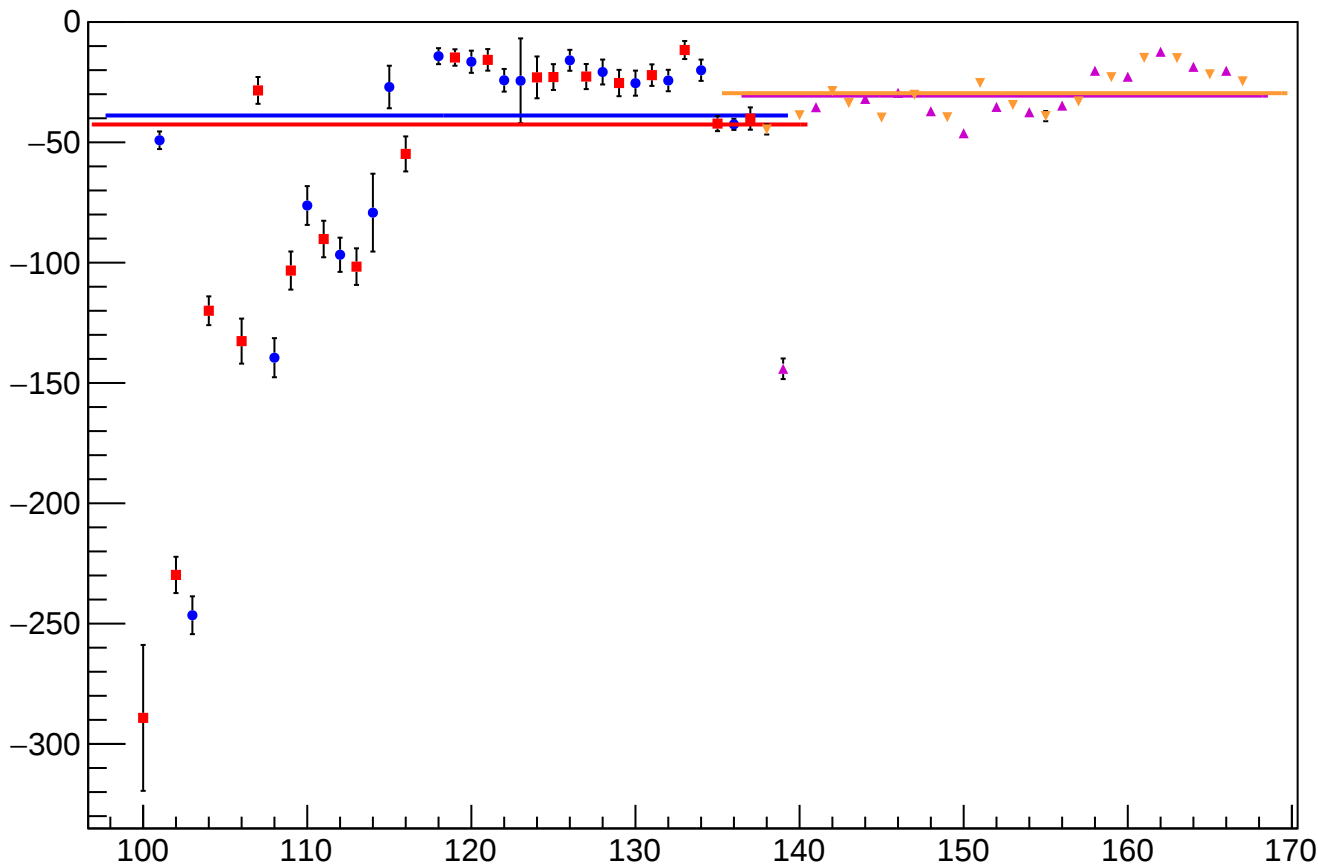
reg_asym_sam2_diff_bpm1X_slope vs Slug



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: -40.270+/-0.616 χ^2/NDF : 337.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -41.484+/-0.421 χ^2/NDF : 736.2/29
 - 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 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -29.575 ± 0.421 $\chi^2/\text{NDF}: 430.0/15$

Right Out: -42.586 ± 1.210 $\chi^2/\text{NDF}: 1345.7/18$

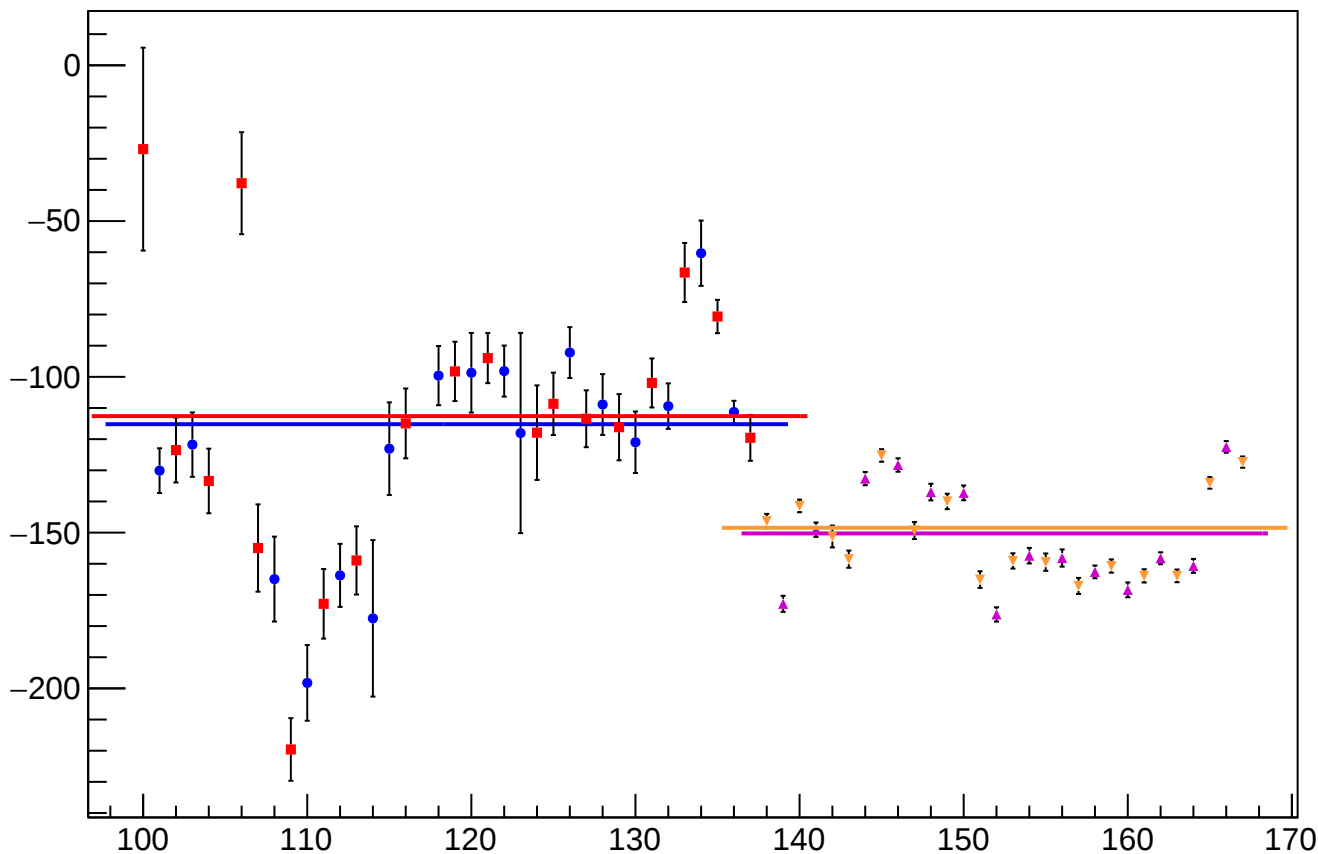
Left In: -30.587 ± 0.447 $\chi^2/\text{NDF}: 1121.8/13$

+ sign -30.672 ± 0.395 $\chi^2/\text{NDF}: 1609.3/32$

All: -31.309 ± 0.287 $\chi^2/\text{NDF}: 4168.8/65$

- sign -32.026 ± 0.419 $\chi^2/\text{NDF}: 2553.9/32$

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 $\chi^2/\text{NDF}: 272.4/18$

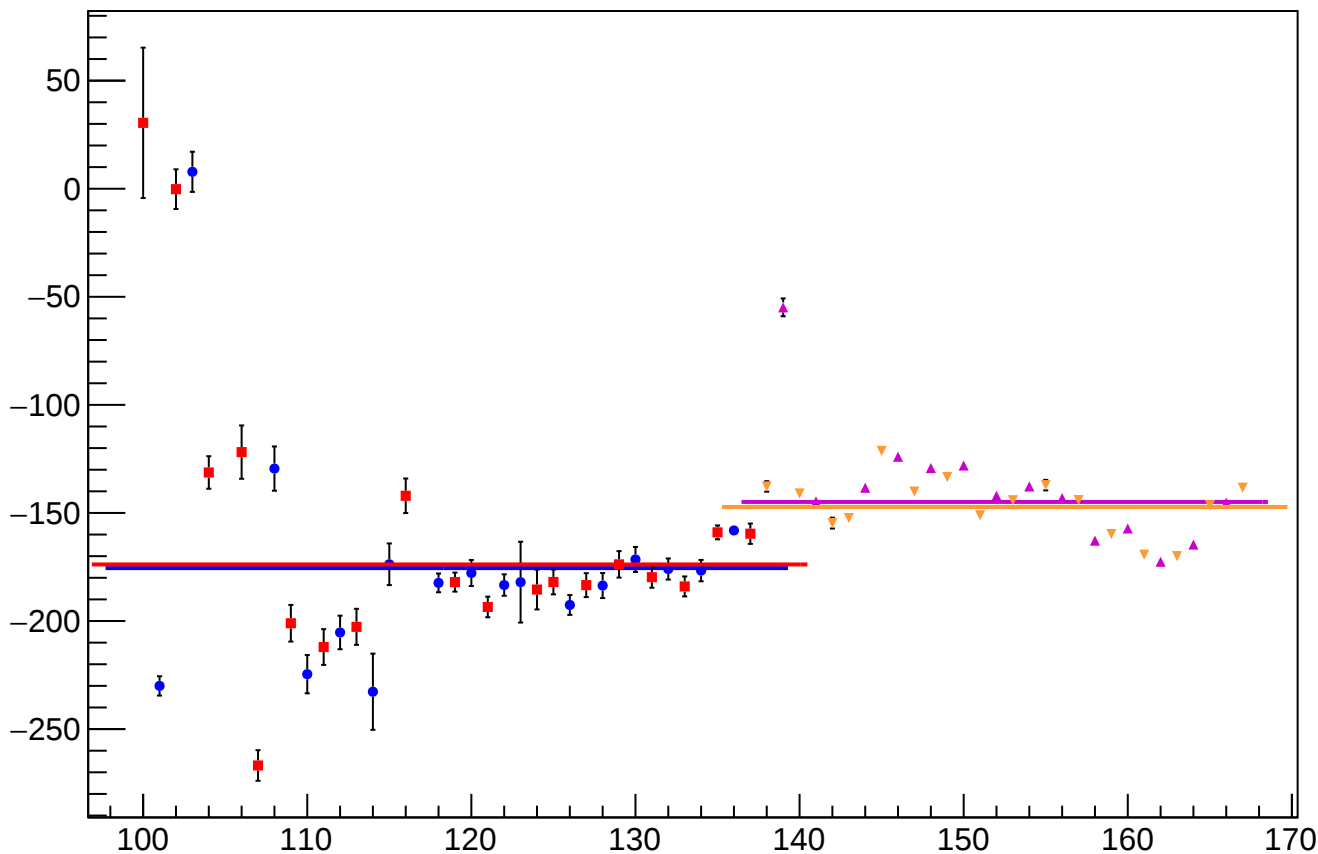
Left In: -150.252 ± 0.604 $\chi^2/\text{NDF}: 801.5/13$

+ sign -146.097 ± 0.553 $\chi^2/\text{NDF}: 1011.7/32$

All: -146.828 ± 0.401 $\chi^2/\text{NDF}: 2359.5/65$

- sign -147.638 ± 0.582 $\chi^2/\text{NDF}: 1344.0/32$

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

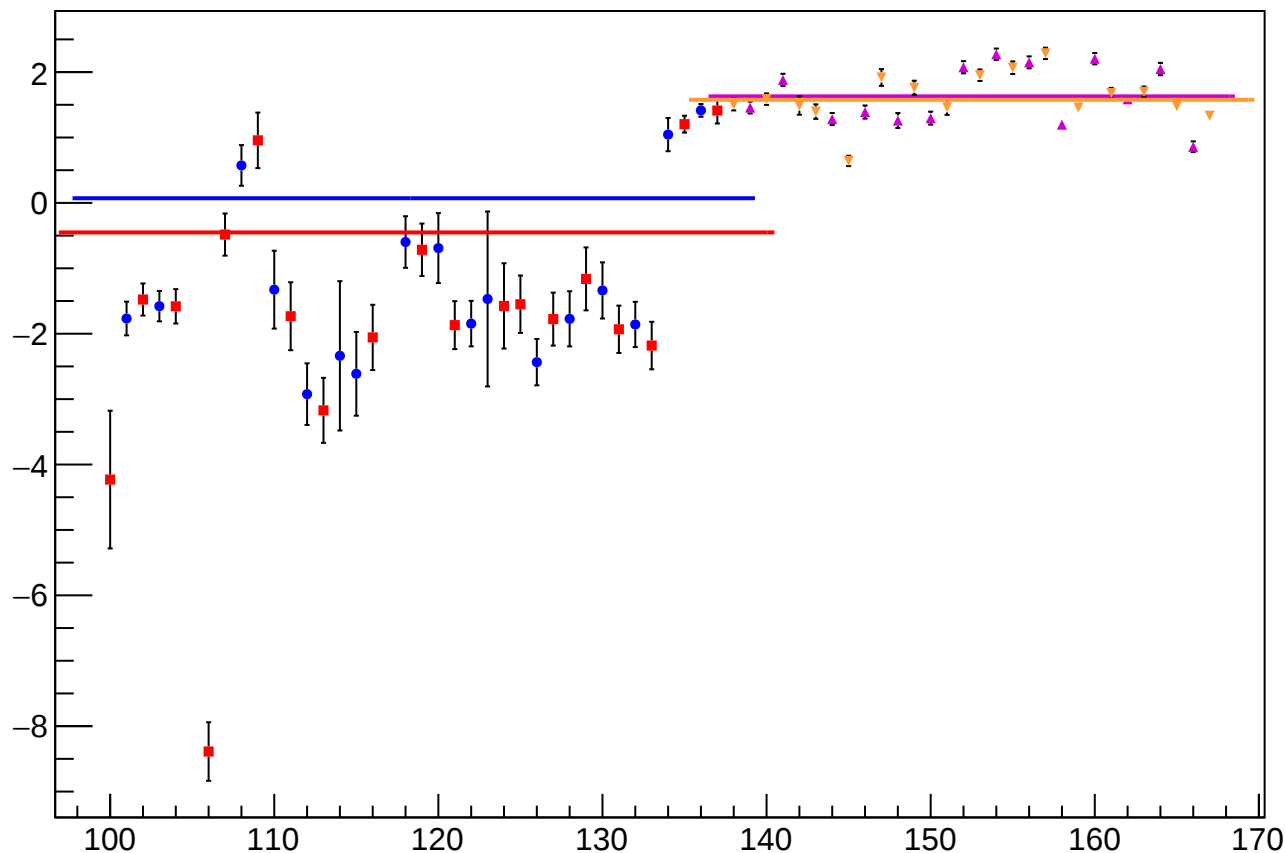
Left In: -144.904 ± 0.514 χ^2/NDF : 1330.9/13

+ sign -150.801 ± 0.453 χ^2/NDF : 1903.3/32

All: -149.735 ± 0.330 χ^2/NDF : 4381.4/65

- sign -148.535 ± 0.481 χ^2/NDF : 2466.4/32

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

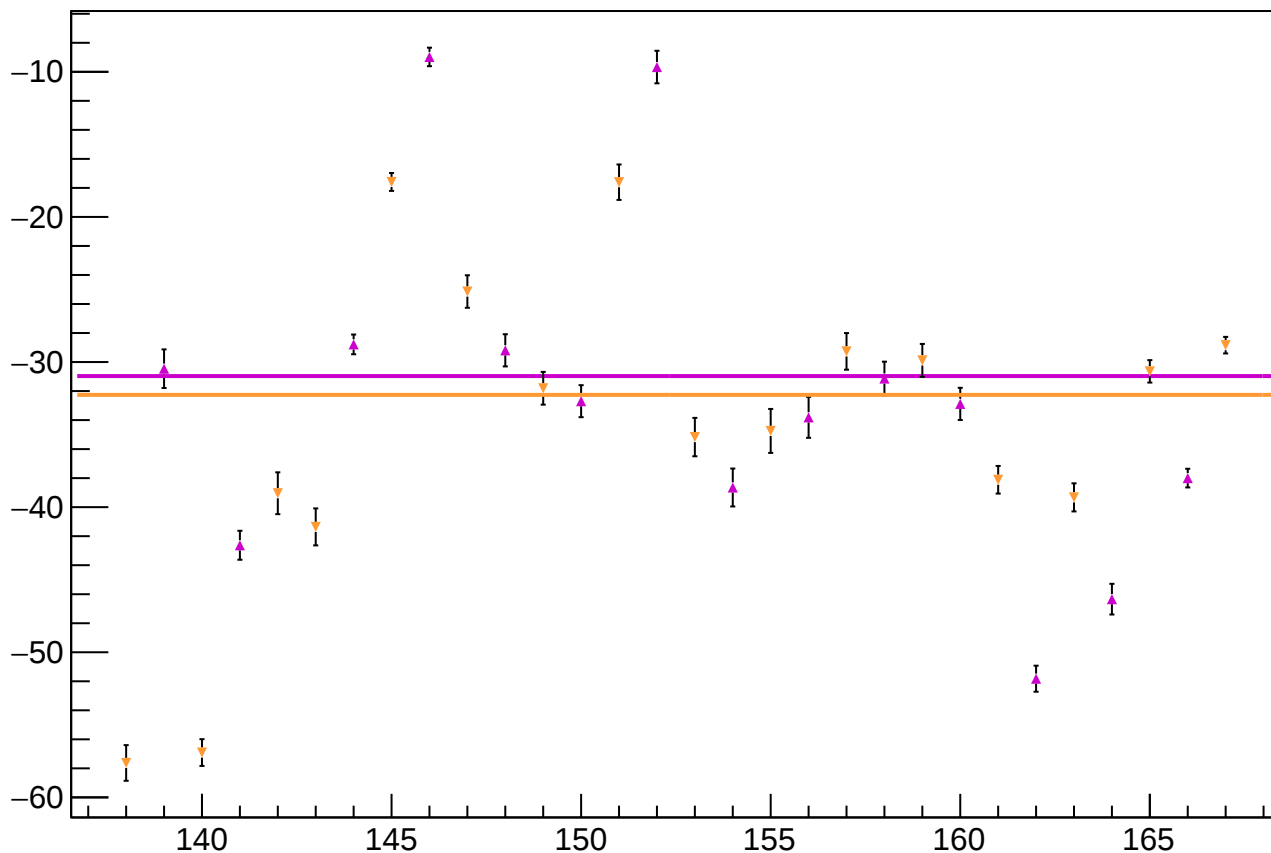
Left In: 1.629 ± 0.024 χ^2/NDF : 348.6/13

+ sign 1.424 ± 0.021 χ^2/NDF : 1260.7/32

All: 1.422 ± 0.016 χ^2/NDF : 3125.1/65

- sign 1.419 ± 0.023 χ^2/NDF : 1864.4/32

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

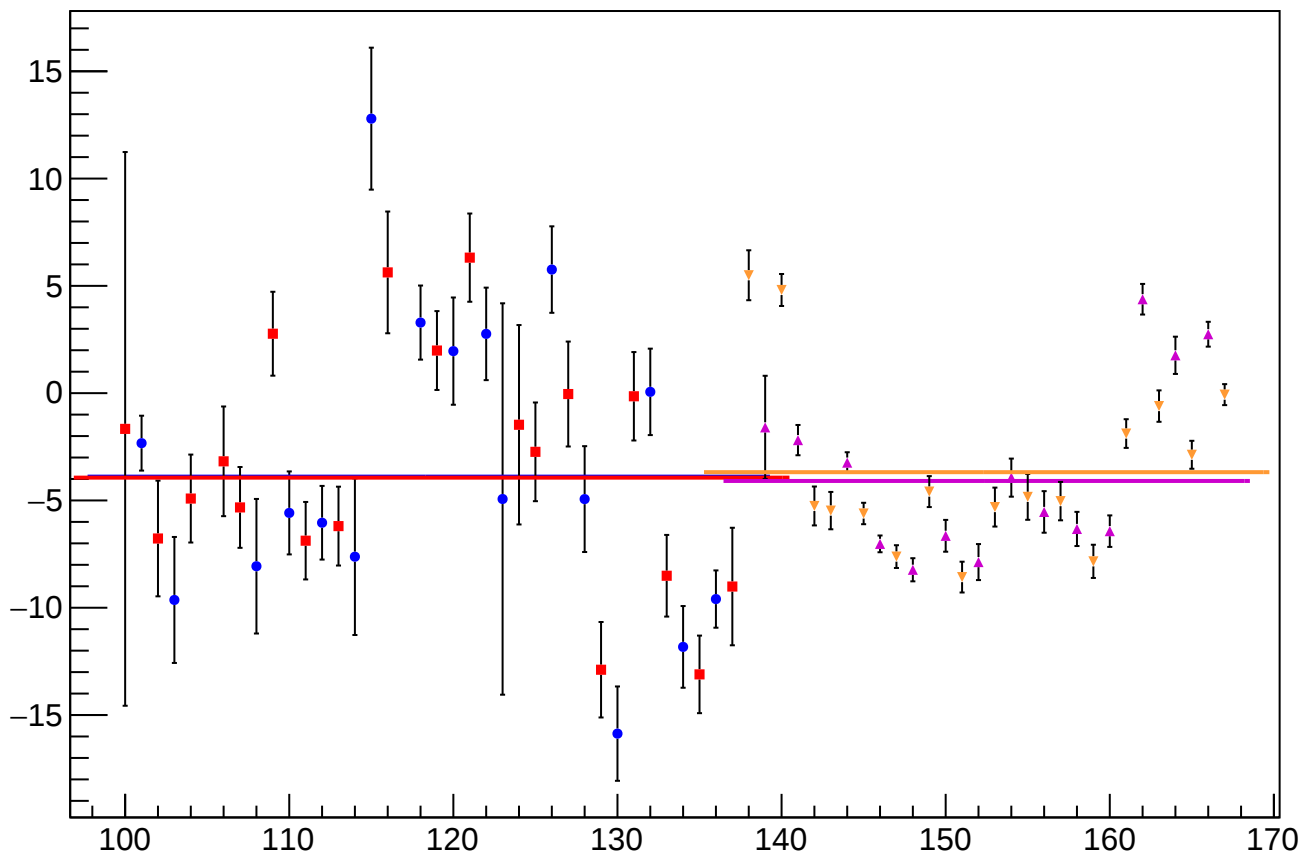
Left In: -30.967+/-0.251 χ^2/NDF : 2611.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.641+/-0.174 χ^2/NDF : 4736.4/29

- 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 $\chi^2/\text{NDF}: 122.2/18$

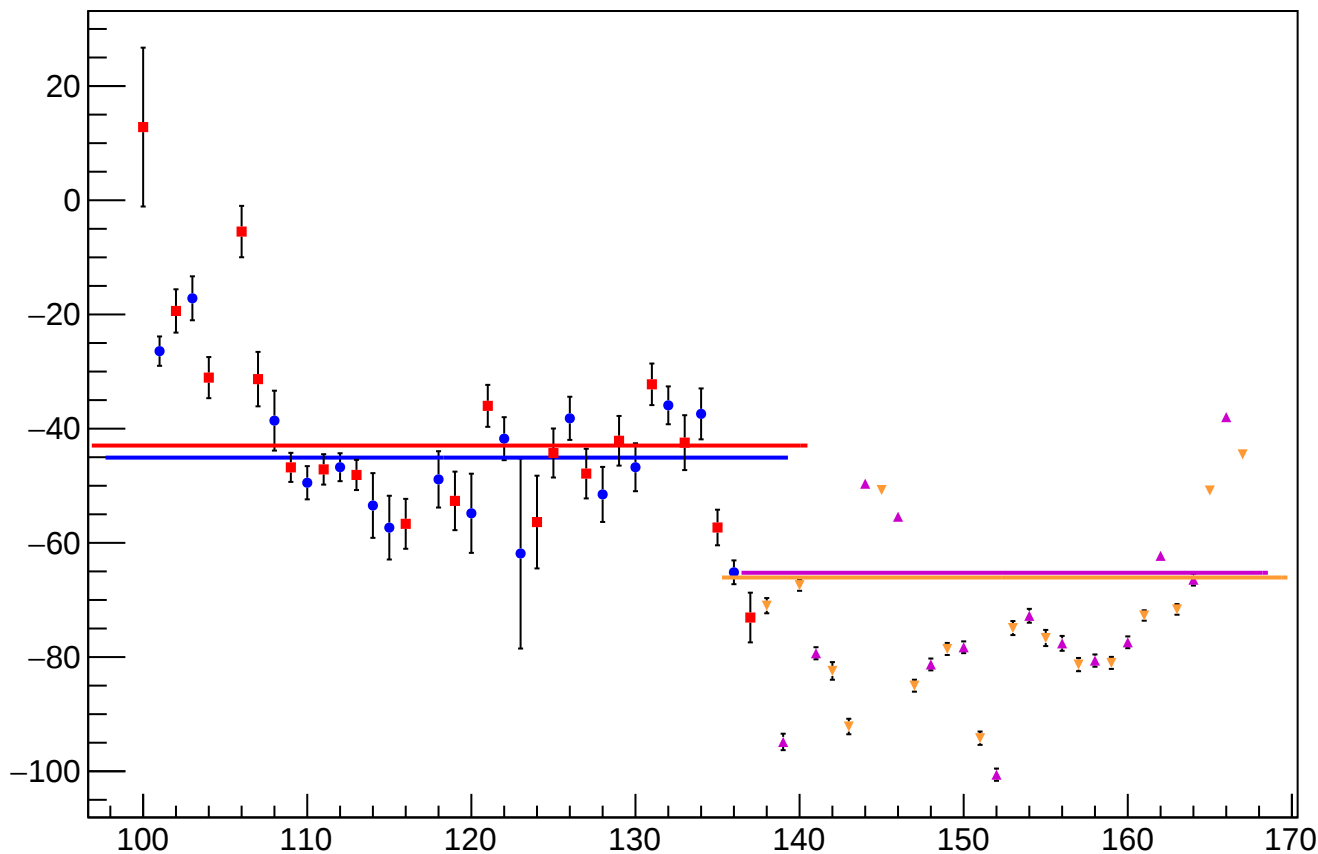
Left In: -4.092 ± 0.178 $\chi^2/\text{NDF}: 505.1/13$

+ sign -3.705 ± 0.166 $\chi^2/\text{NDF}: 594.3/32$

All: -3.889 ± 0.118 $\chi^2/\text{NDF}: 1224.1/65$

- sign -4.075 ± 0.168 $\chi^2/\text{NDF}: 627.3/32$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 $\chi^2/\text{NDF}: 229.7/16$

Left Out: -66.066 ± 0.241 $\chi^2/\text{NDF}: 4417.7/15$

Right Out: -42.959 ± 0.878 $\chi^2/\text{NDF}: 248.3/18$

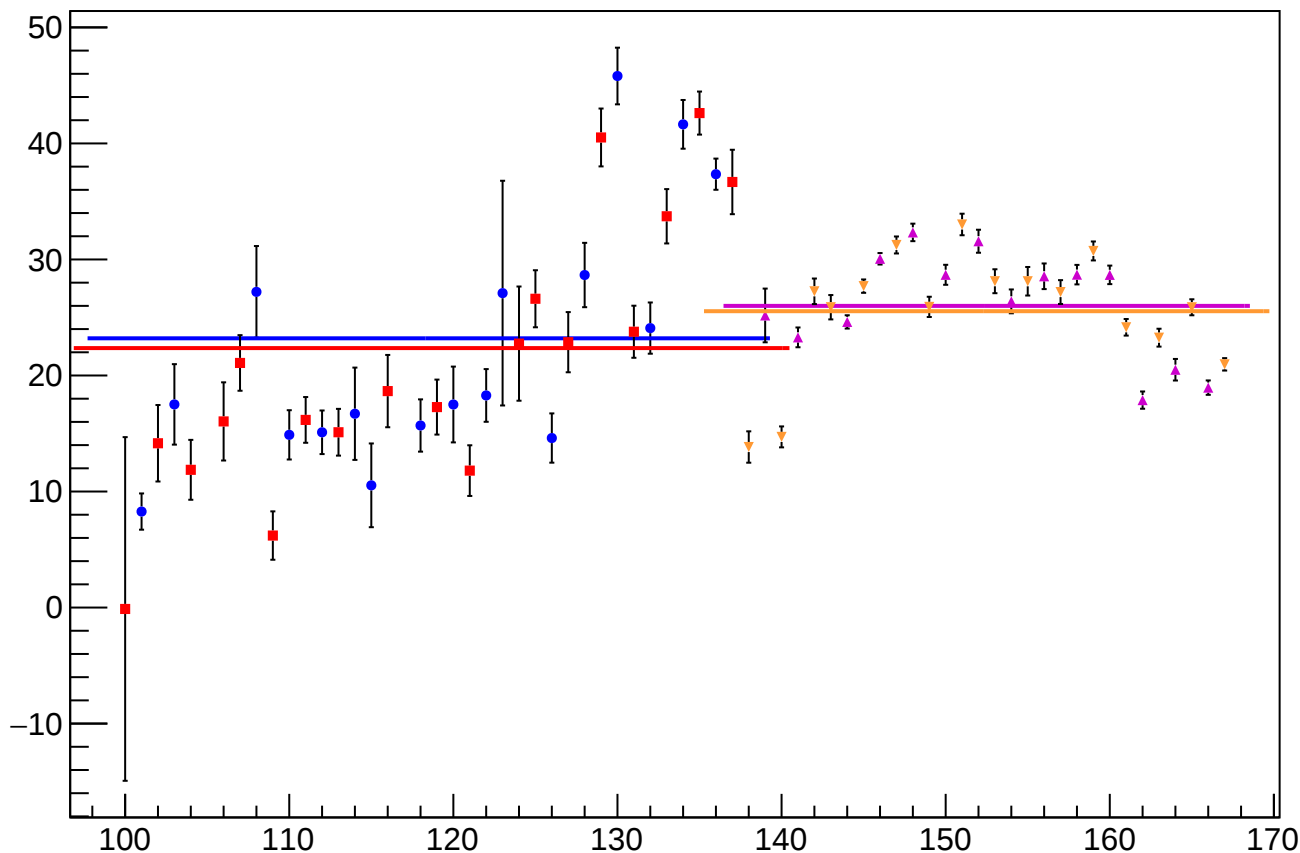
Left In: -65.236 ± 0.247 $\chi^2/\text{NDF}: 5017.7/13$

+ sign -64.612 ± 0.233 $\chi^2/\text{NDF}: 5173.2/32$

All: -64.116 ± 0.166 $\chi^2/\text{NDF}: 11045.1/65$

- sign -63.596 ± 0.238 $\chi^2/\text{NDF}: 5862.5/32$

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

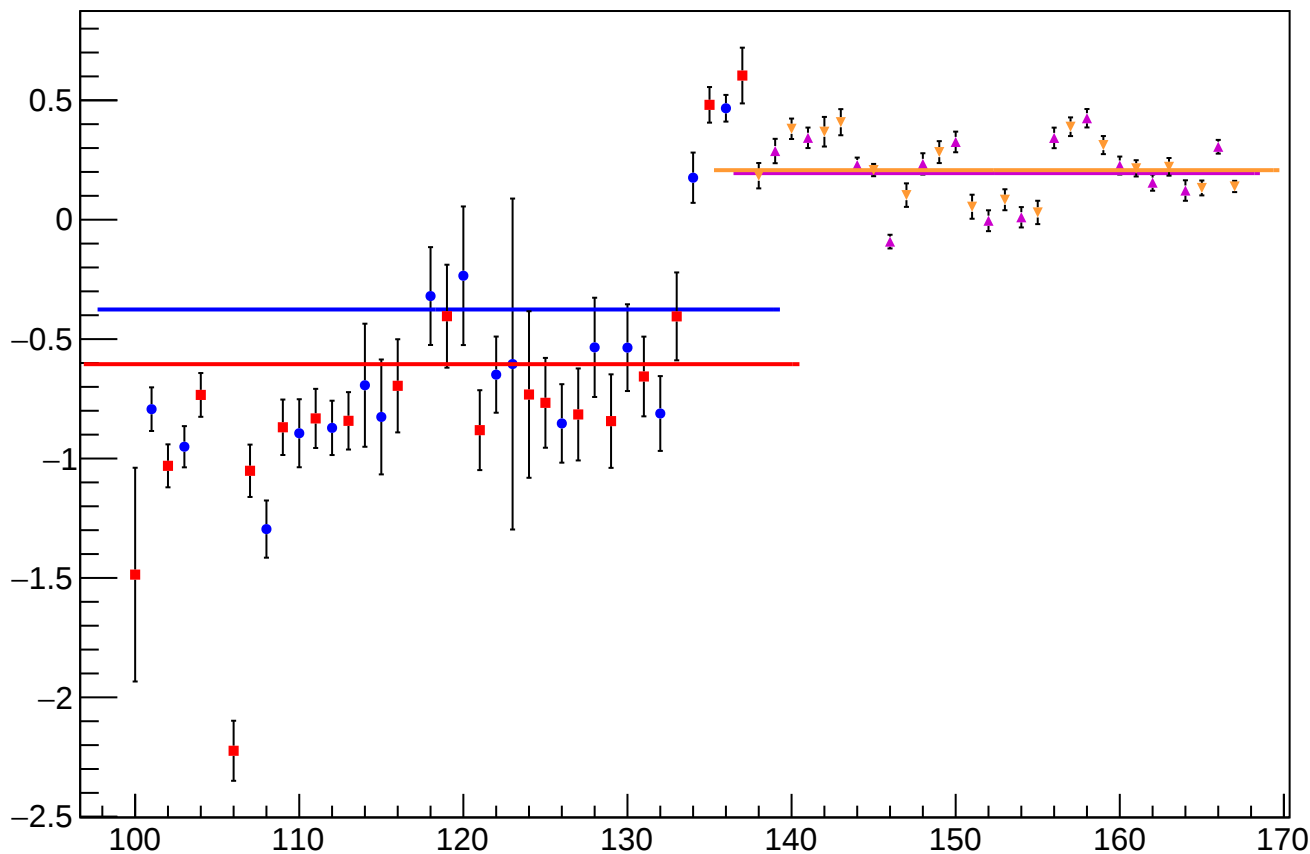
Left In: 25.999 $\pm$ 0.208 χ^2 /NDF: 505.2/13

+ sign 25.267 $\pm$ 0.191 χ^2 /NDF: 973.8/32

All: 25.418 $\pm$ 0.137 χ^2 /NDF: 1882.8/65

- sign 25.575 $\pm$ 0.195 χ^2 /NDF: 907.7/32

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 $\chi^2/\text{NDF}: 551.1/18$

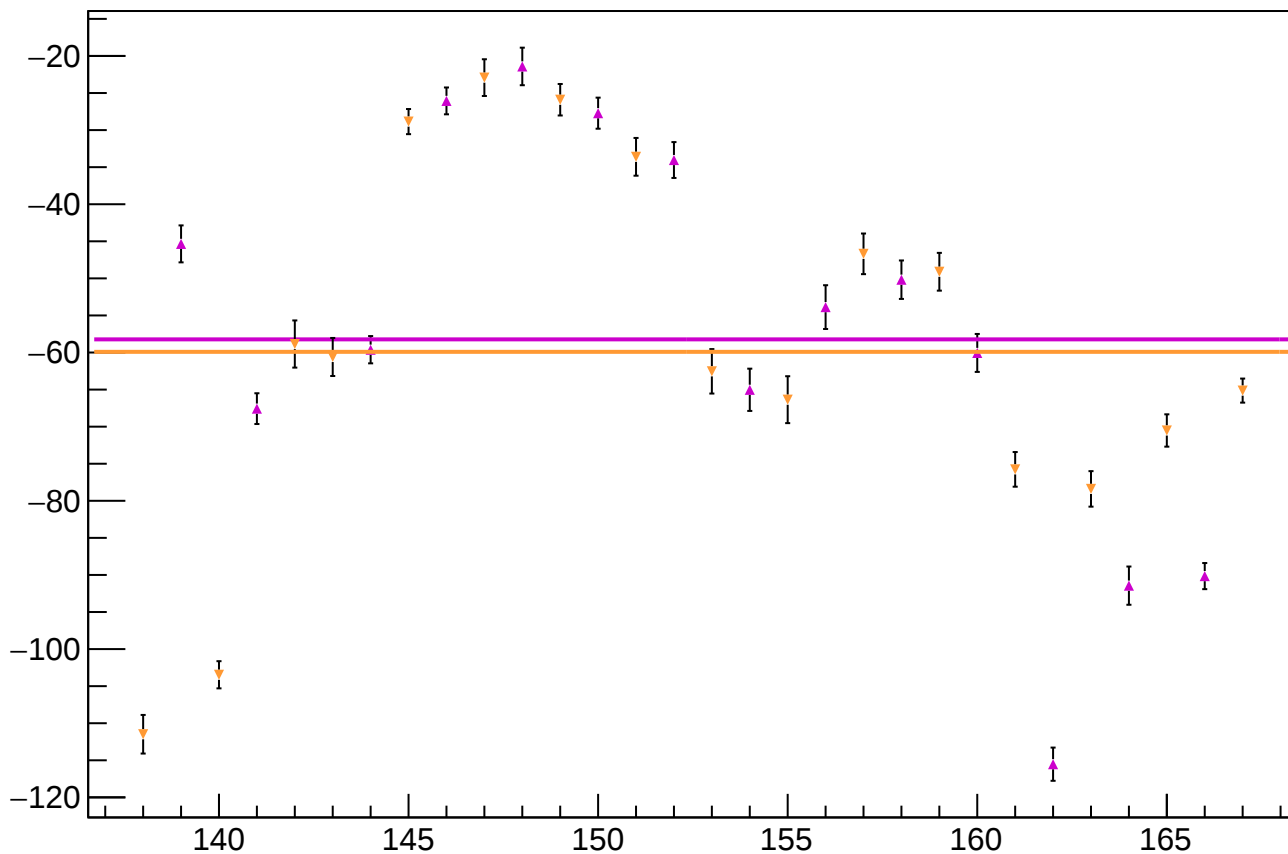
Left In: 0.195 ± 0.010 $\chi^2/\text{NDF}: 232.8/13$

+ sign 0.154 ± 0.009 $\chi^2/\text{NDF}: 896.1/32$

All: 0.136 ± 0.007 $\chi^2/\text{NDF}: 2319.3/65$

- sign 0.115 ± 0.010 $\chi^2/\text{NDF}: 1414.3/32$

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

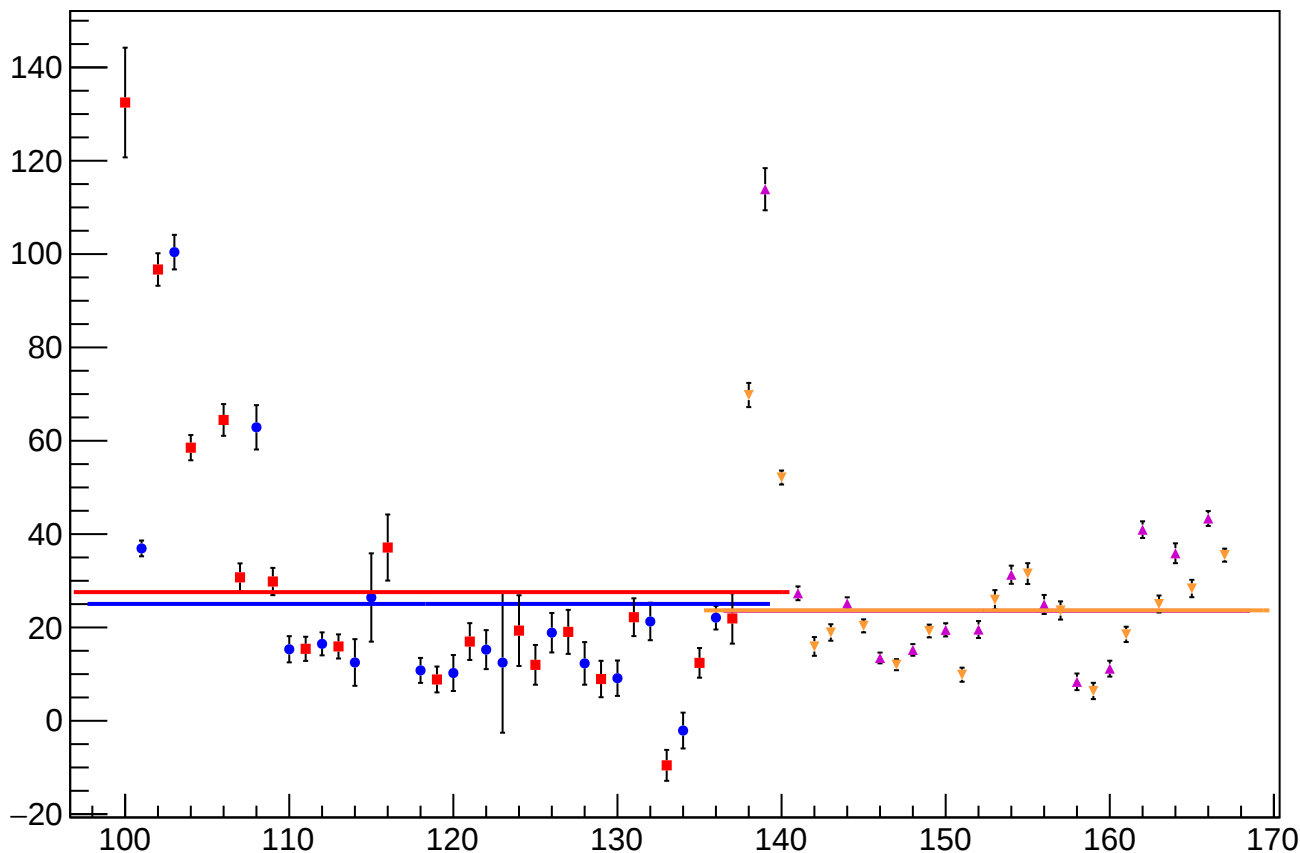
Left In: -58.227+/-0.602 χ^2/NDF : 2053.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -59.107+/-0.416 χ^2/NDF : 4122.5/29

- 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

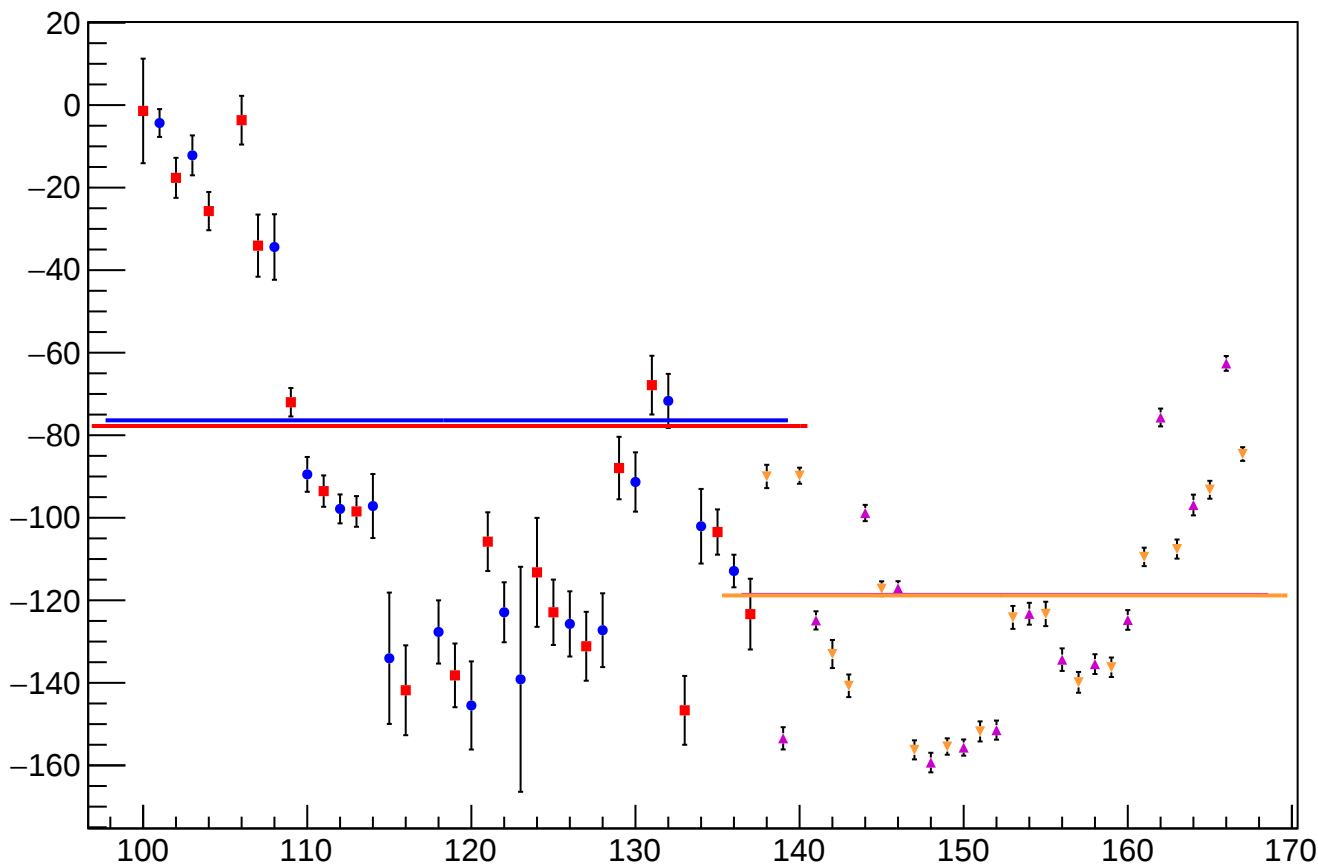
Left In: 23.565 $\pm$ 0.431 χ^2 /NDF: 967.8/13

+ sign 23.952 $\pm$ 0.368 χ^2 /NDF: 1783.8/32

All: 24.193 $\pm$ 0.264 χ^2 /NDF: 3784.3/65

- sign 24.450 $\pm$ 0.381 χ^2 /NDF: 1999.6/32

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

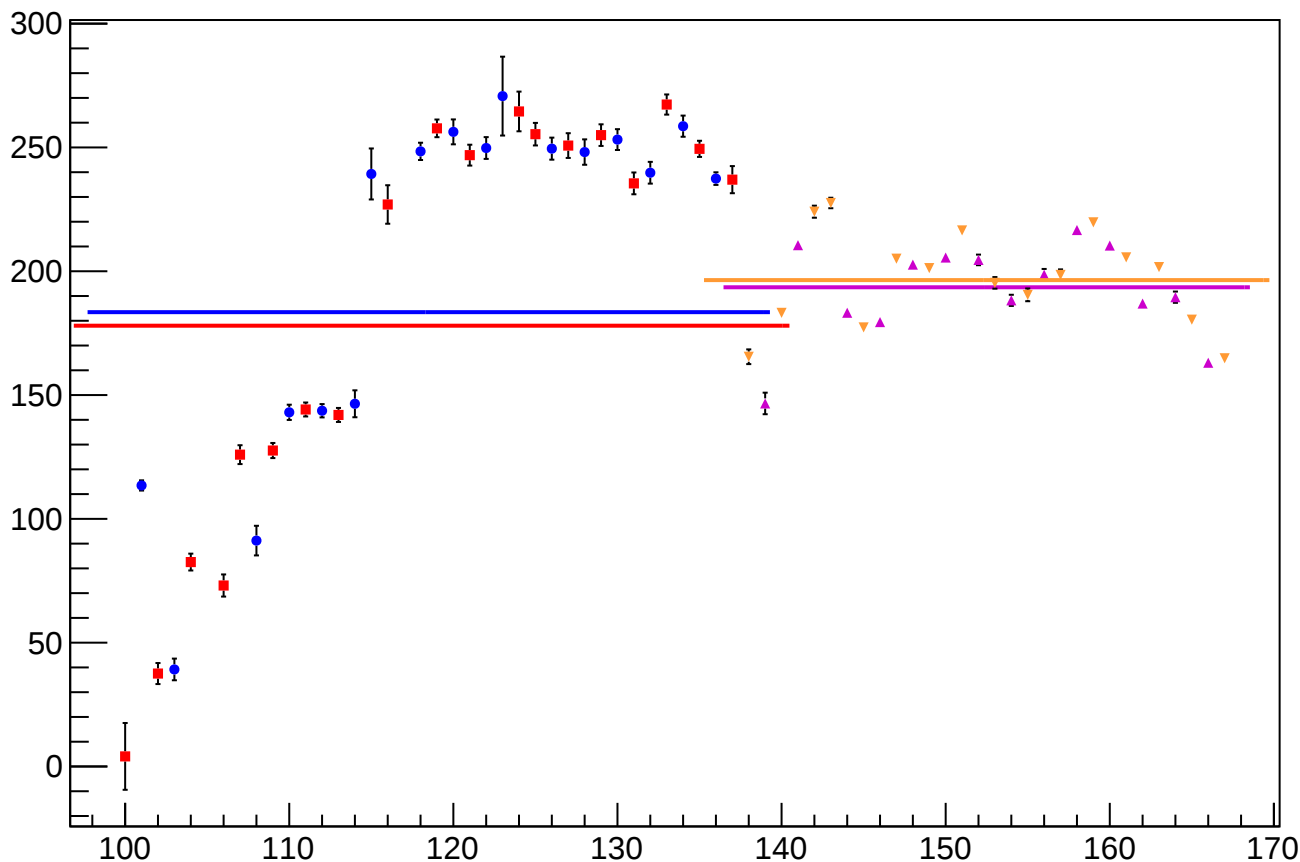
Left In: -118.696 ± 0.591 χ^2/NDF : 2667.5/13

+ sign -112.902 ± 0.529 χ^2/NDF : 3732.9/32

All: -112.531 ± 0.378 χ^2/NDF : 8043.1/65

- sign -112.143 ± 0.541 χ^2/NDF : 4309.2/32

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

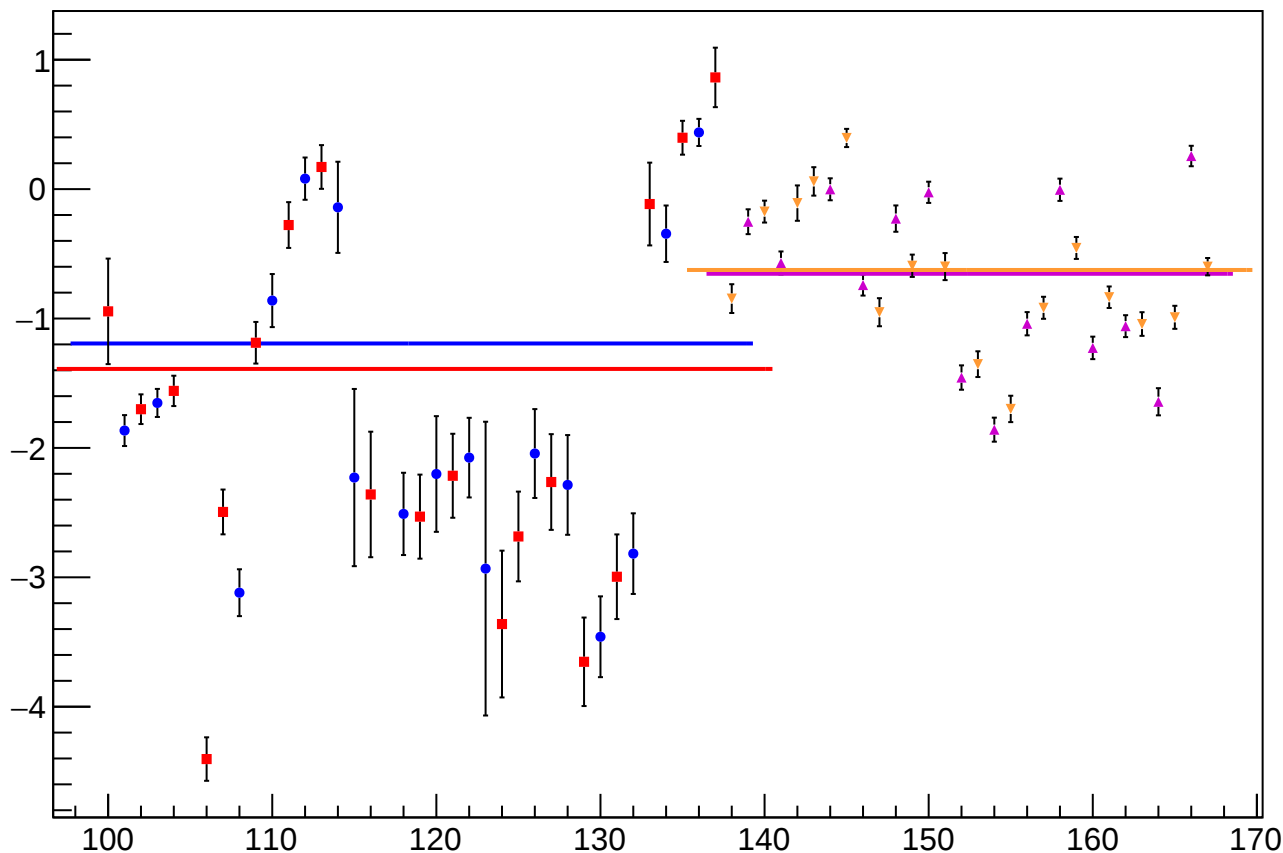
Left In: 193.527 $\pm$ 0.501 χ^2 /NDF:1034.8/13

+ sign 193.642 $\pm$ 0.426 χ^2 /NDF: 6977.5/32

All: 191.882 $\pm$ 0.306 χ^2 /NDF: 14611.3/65

- sign 189.997 $\pm$ 0.441 χ^2 /NDF: 7598.4/32

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

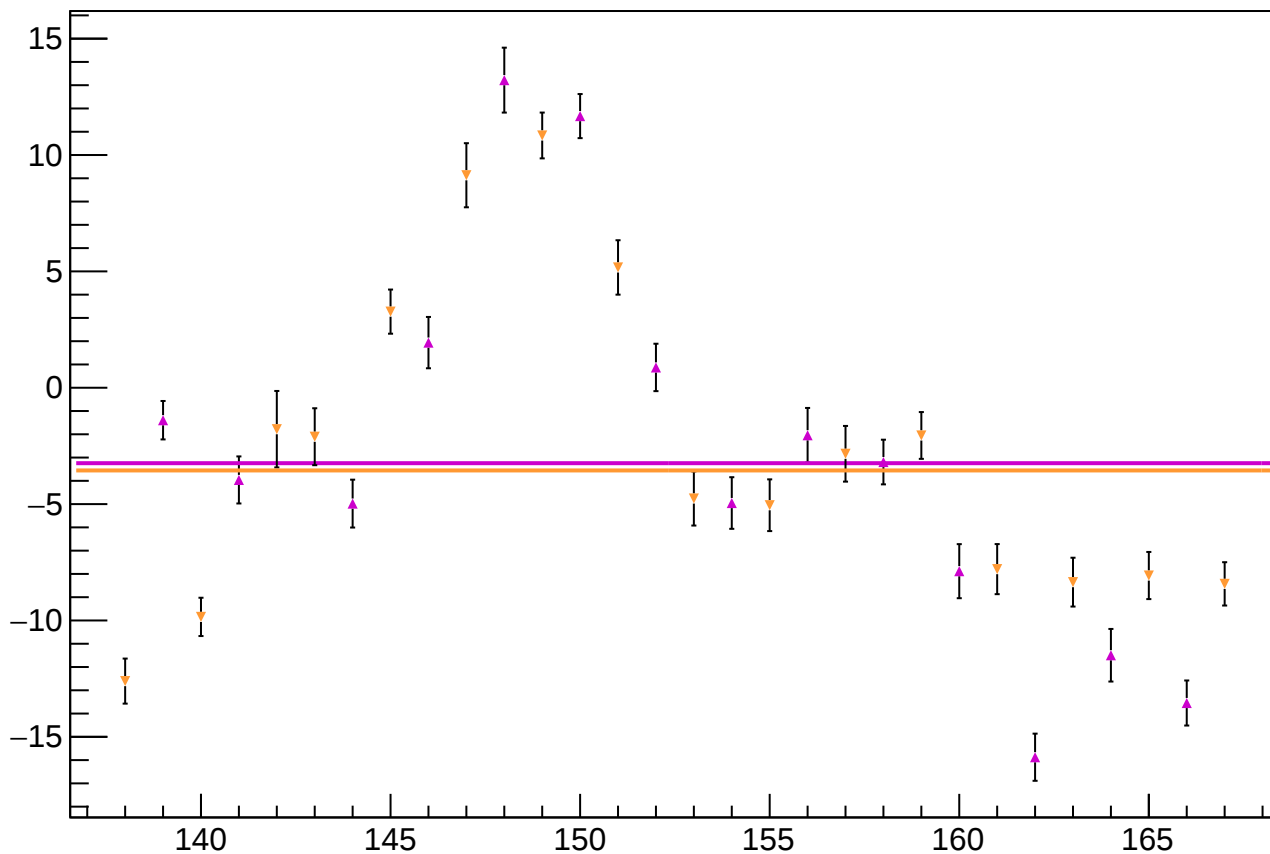
Left In: -0.654 ± 0.024 χ^2/NDF : 759.1/13

+ sign -0.727 ± 0.020 χ^2/NDF : 1265.5/32

All: -0.767 ± 0.015 χ^2/NDF : 3156.0/65

- sign -0.809 ± 0.021 χ^2/NDF : 1882.8/32

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -3.553 $\pm$ 0.266 χ^2 /NDF: 643.9/15

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

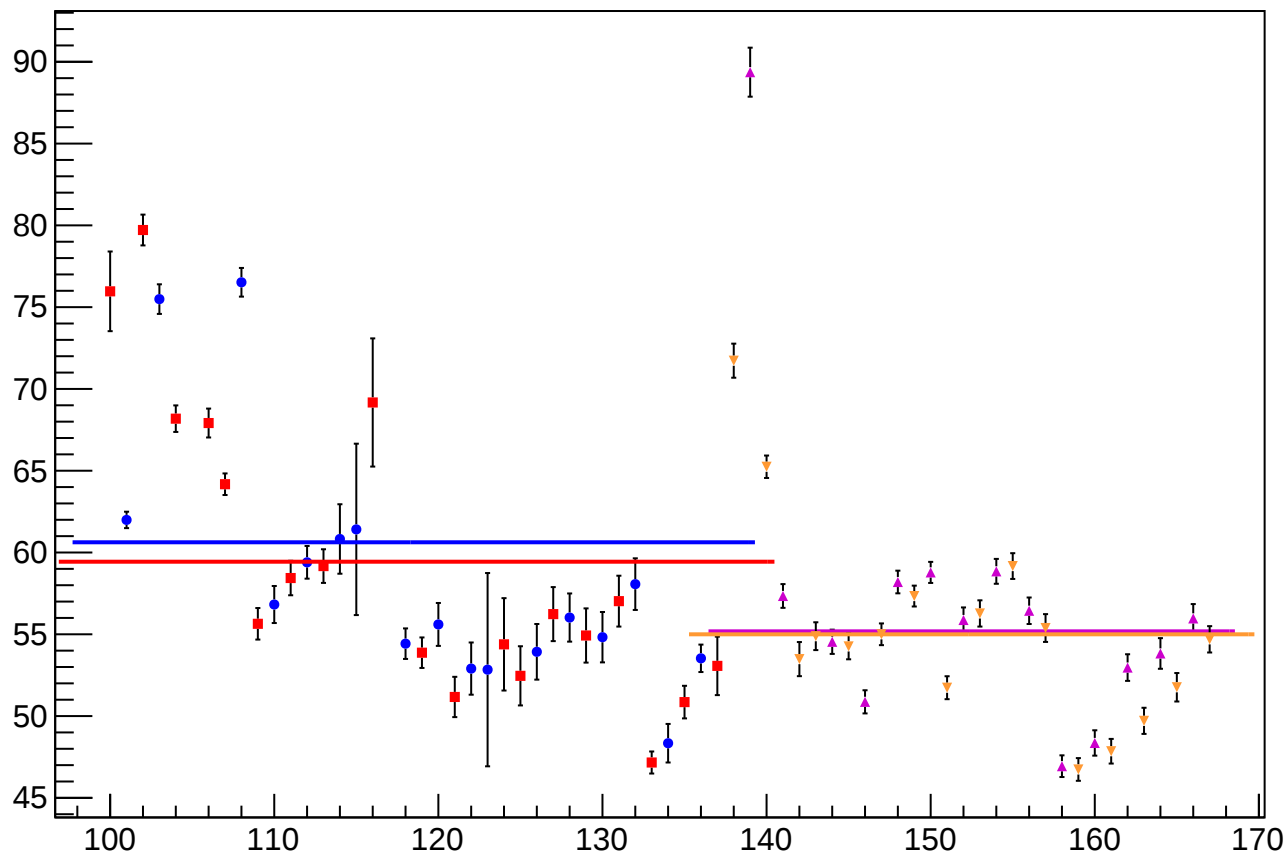
Left In: -3.242 $\pm$ 0.277 χ^2 /NDF: 775.5/13

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

All: -3.404 $\pm$ 0.192 χ^2 /NDF: 1420.0/29

- sign 0.000 $\pm$ 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

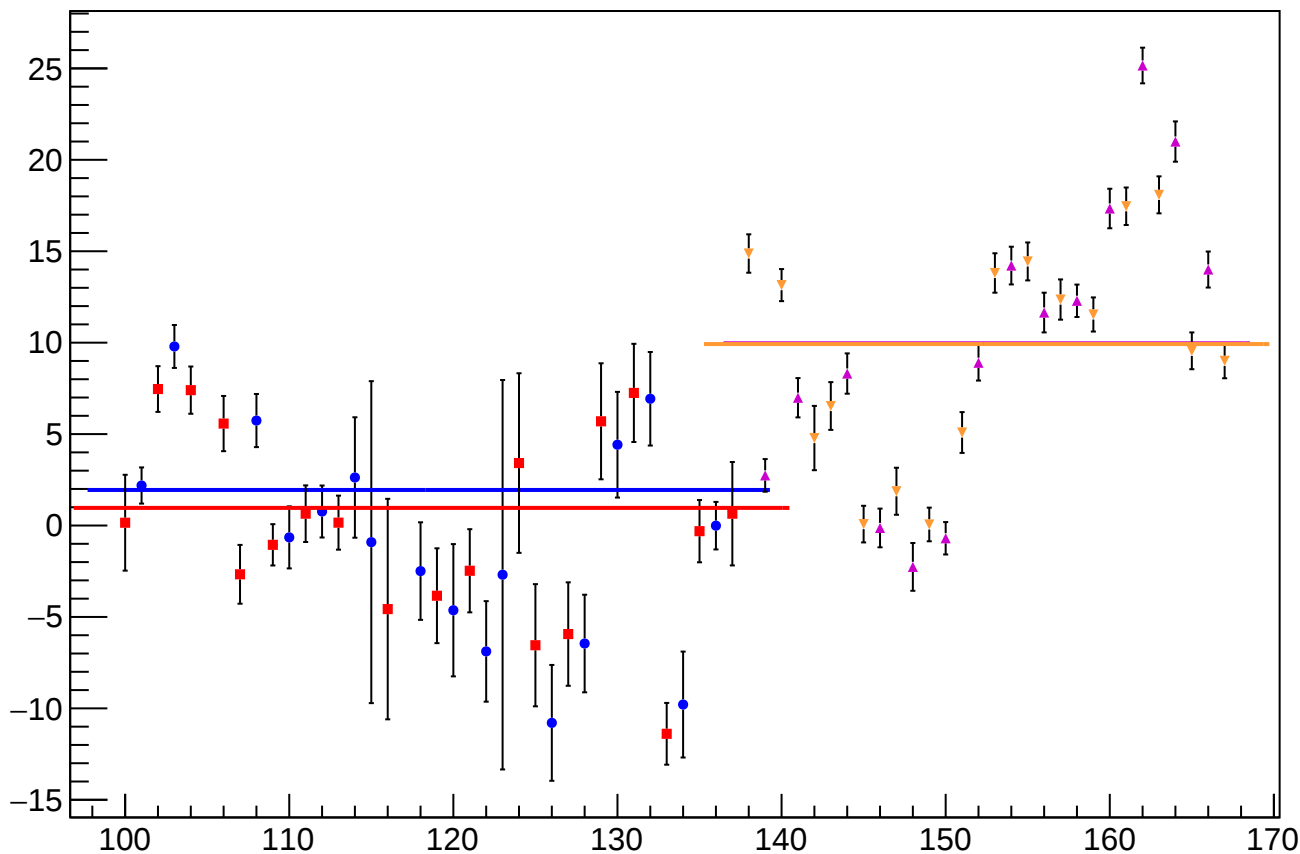
Left In: 55.181 $\pm$ 0.206 χ^2 /NDF: 886.5/13

+ sign 56.983 $\pm$ 0.156 χ^2 /NDF: 2060.2/32

All: 56.954 $\pm$ 0.111 χ^2 /NDF: 4444.4/65

- sign 56.924 $\pm$ 0.159 χ^2 /NDF: 2384.2/32

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 9.925 ± 0.263 χ^2/NDF : 480.5/15

Right Out: 0.964 ± 0.424 χ^2/NDF : 149.5/18

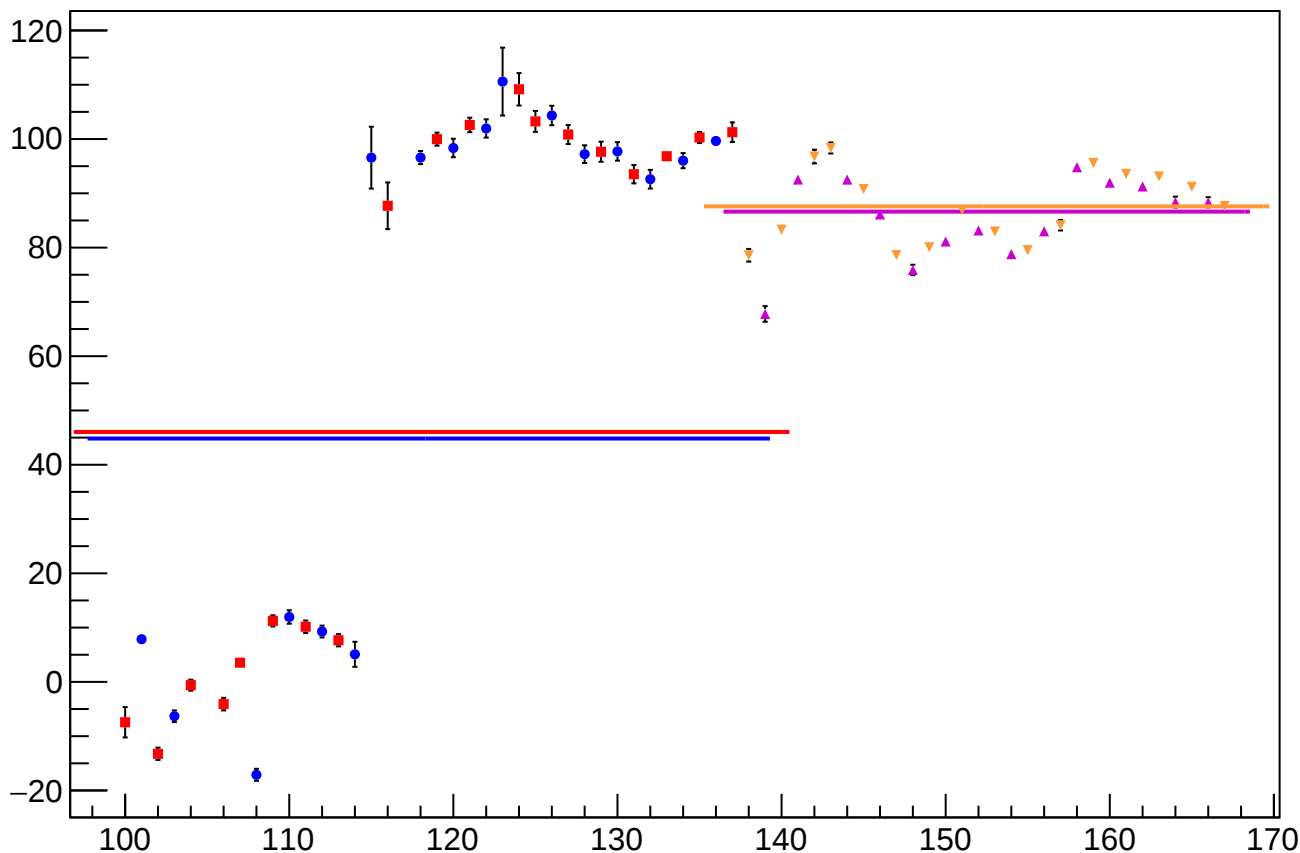
Left In: 9.967 ± 0.271 χ^2/NDF : 832.5/13

+ sign 7.954 ± 0.228 χ^2/NDF : 828.9/32

All: 7.654 ± 0.161 χ^2/NDF : 2133.8/65

- sign 7.353 ± 0.229 χ^2/NDF : 1301.4/32

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

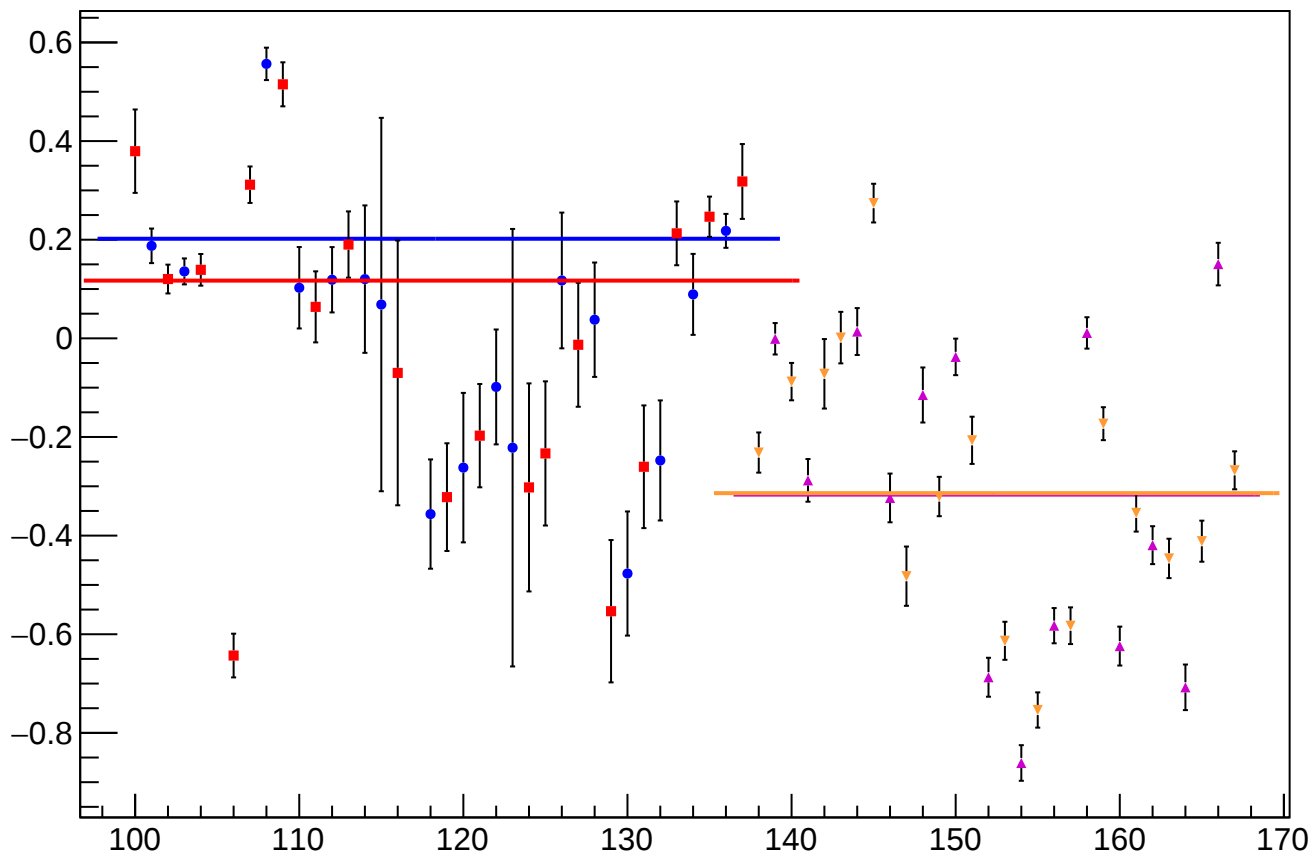
Left In: 86.629 $\pm$ 0.236 χ^2 /NDF: 767.3/13

+ sign 72.635 $\pm$ 0.180 χ^2 /NDF: 38387.9/32

All: 71.560 $\pm$ 0.128 χ^2 /NDF: 79317.6/65

- sign 70.456 $\pm$ 0.183 χ^2 /NDF: 40857.6/32

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

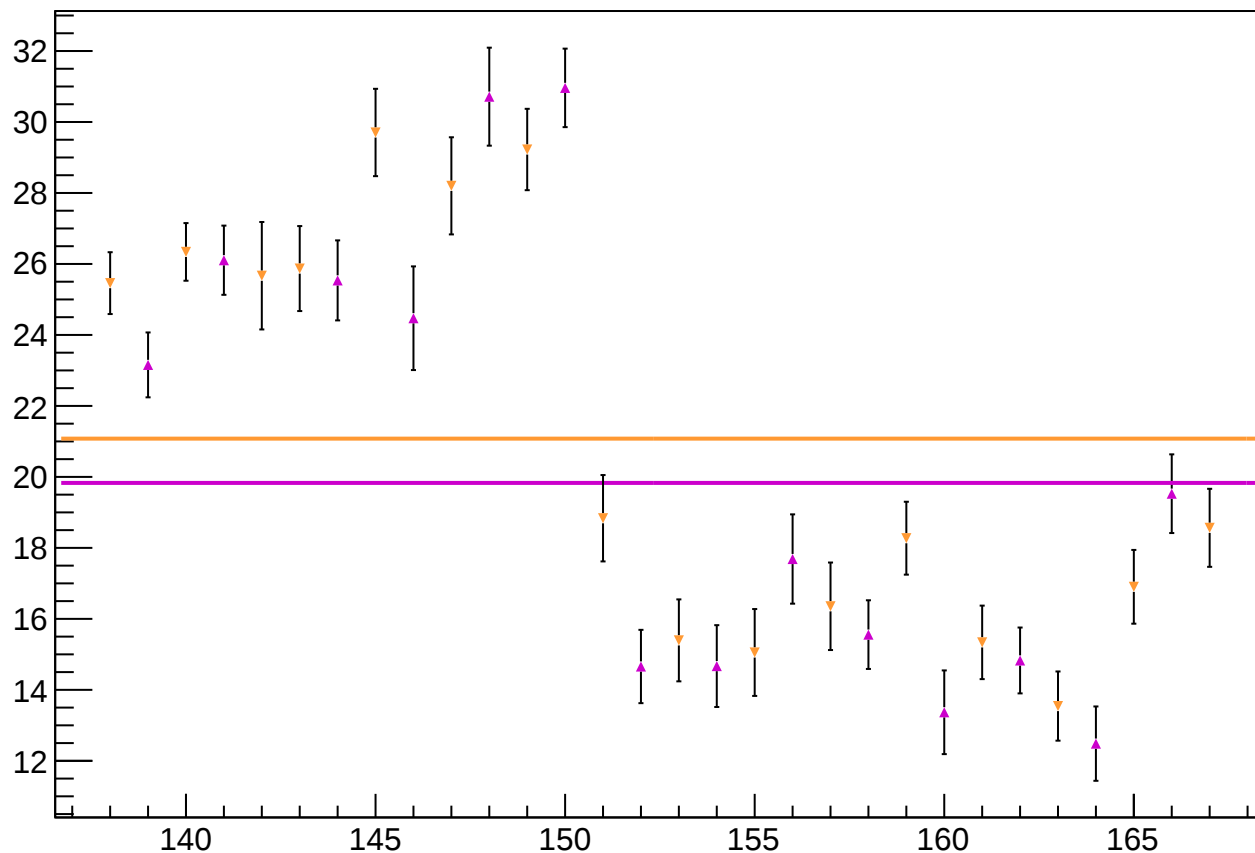
Left In: -0.317 ± 0.011 χ^2/NDF : 950.0/13

+ sign -0.135 ± 0.008 χ^2/NDF : 1721.3/32

All: -0.139 ± 0.006 χ^2/NDF : 3839.6/65

- sign -0.144 ± 0.008 χ^2/NDF : 2117.6/32

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

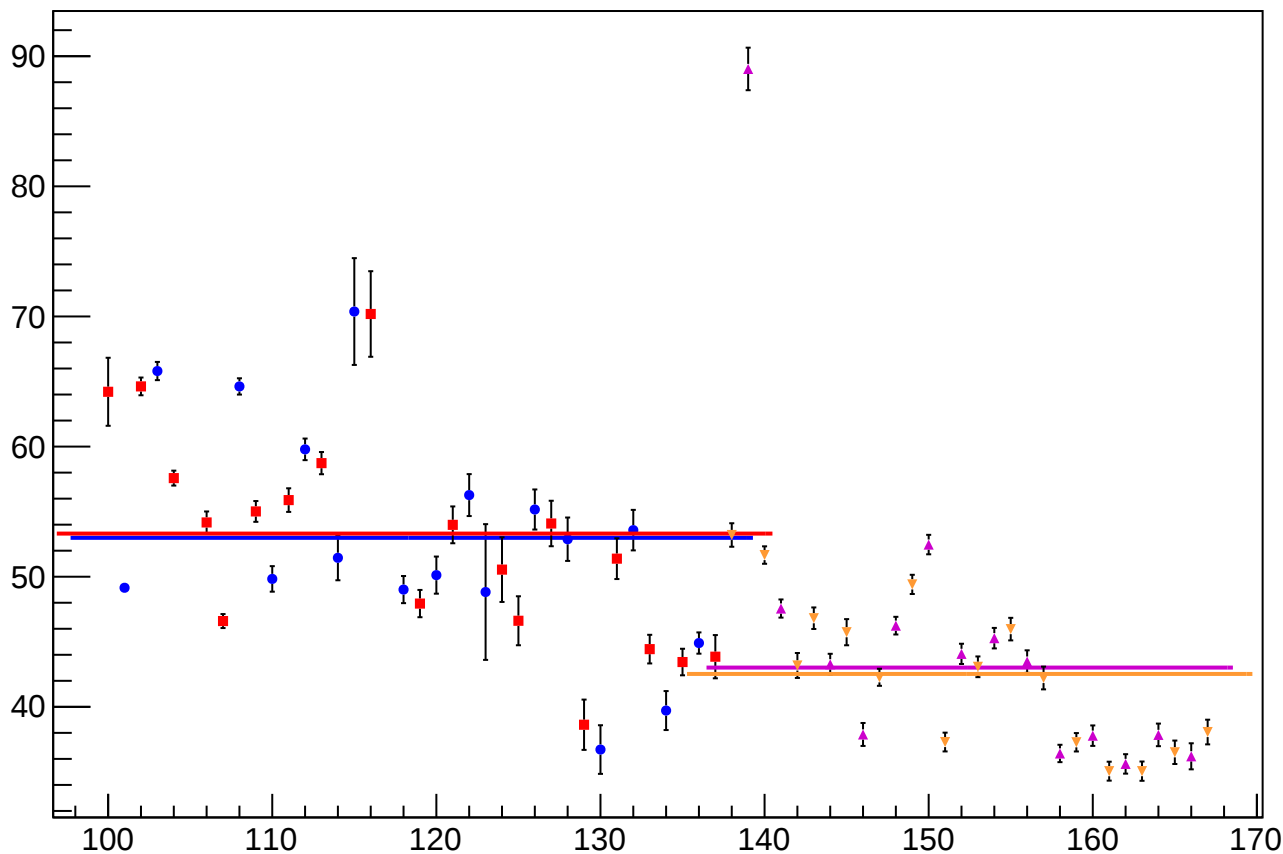
Left In: 19.831+/-0.291 χ^2/NDF : 429.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 20.492+/-0.199 χ^2/NDF : 844.6/29

- 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

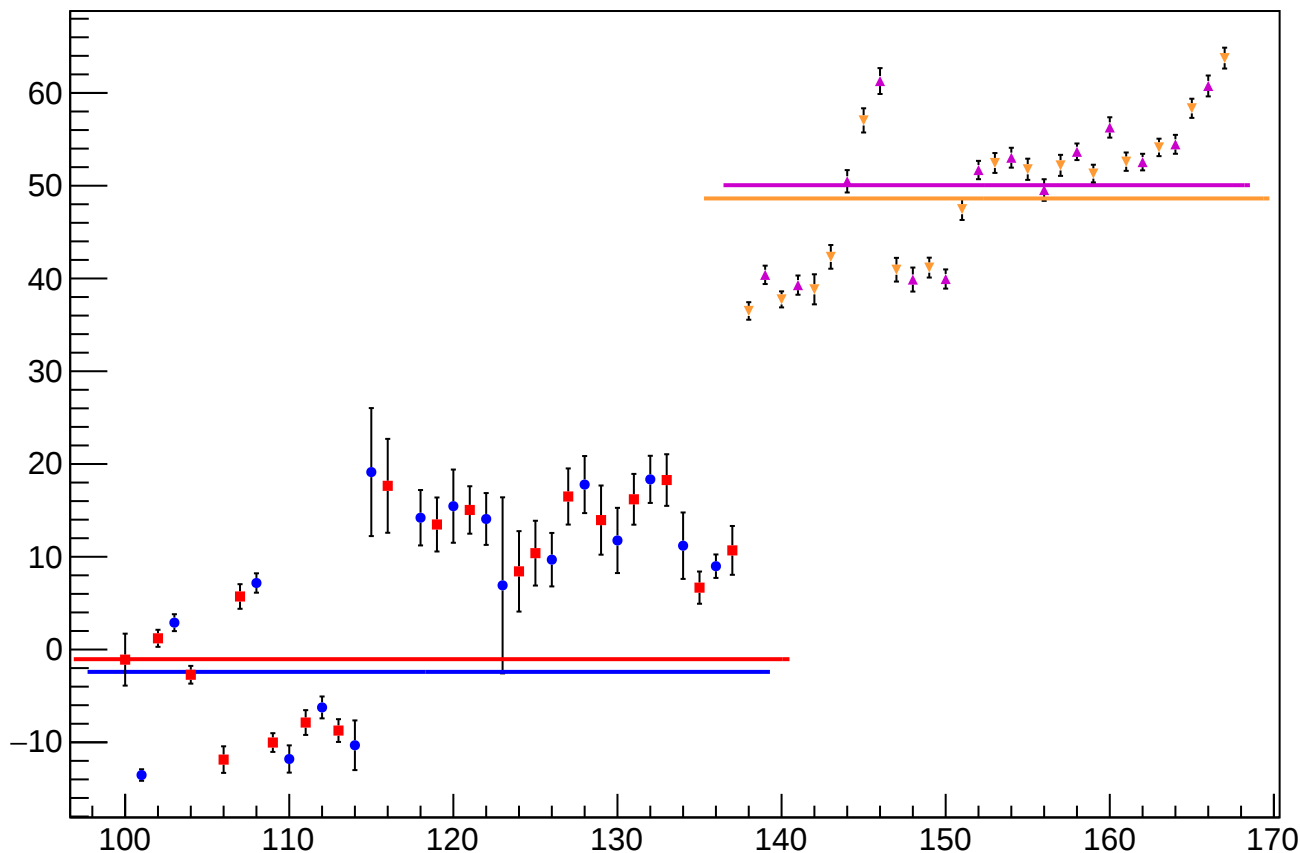
Left In: 43.017 $\pm$ 0.214 χ^2 /NDF: 1383.0/13

+ sign 47.446 $\pm$ 0.145 χ^2 /NDF: 3350.1/32

All: 47.644 $\pm$ 0.106 χ^2 /NDF: 6702.6/65

- sign 47.874 $\pm$ 0.156 χ^2 /NDF: 3348.5/32

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

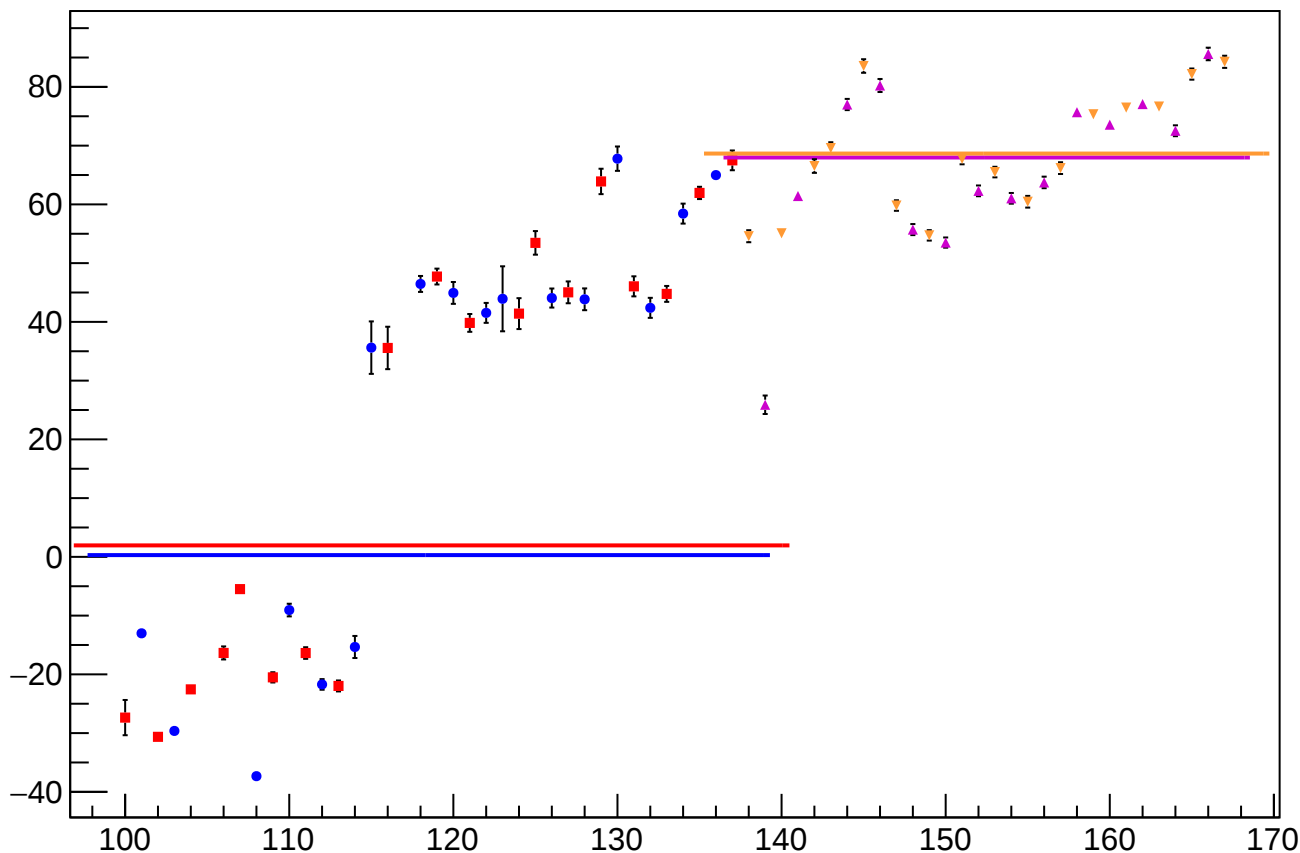
Left In: 50.055 ± 0.284 χ^2/NDF : 601.0/13

+ sign 30.479 ± 0.217 χ^2/NDF : 14349.1/32

All: 30.997 ± 0.157 χ^2/NDF : 27185.9/65

- sign 31.562 ± 0.227 χ^2/NDF : 12825.0/32

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 68.653 ± 0.229 χ^2/NDF : 1788.7/15

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

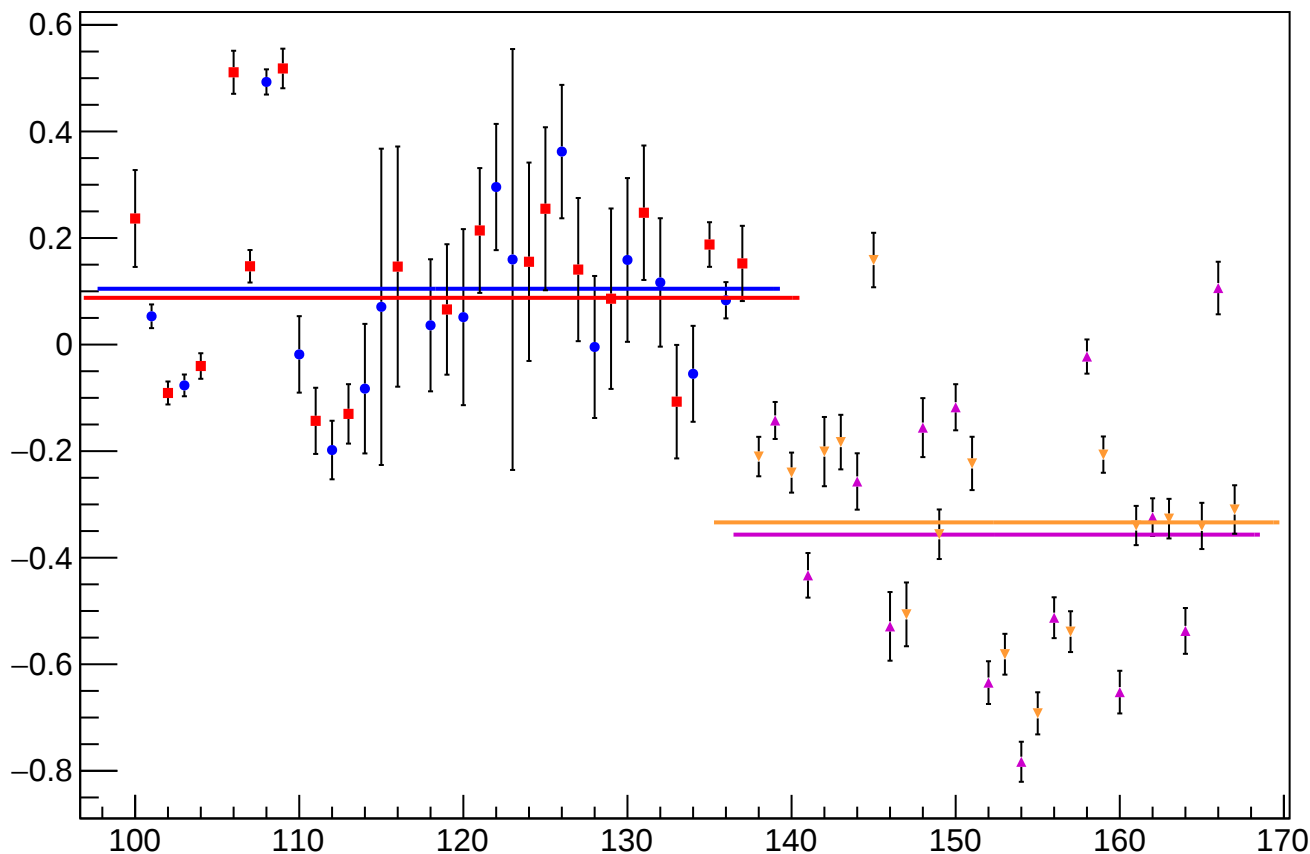
Left In: 67.983 ± 0.245 χ^2/NDF : 2148.4/13

+ sign 37.100 ± 0.168 χ^2/NDF : 61138.7/32

All: 37.432 ± 0.123 χ^2/NDF : 112054.5/65

- sign 37.814 ± 0.180 χ^2/NDF : 50907.4/32

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

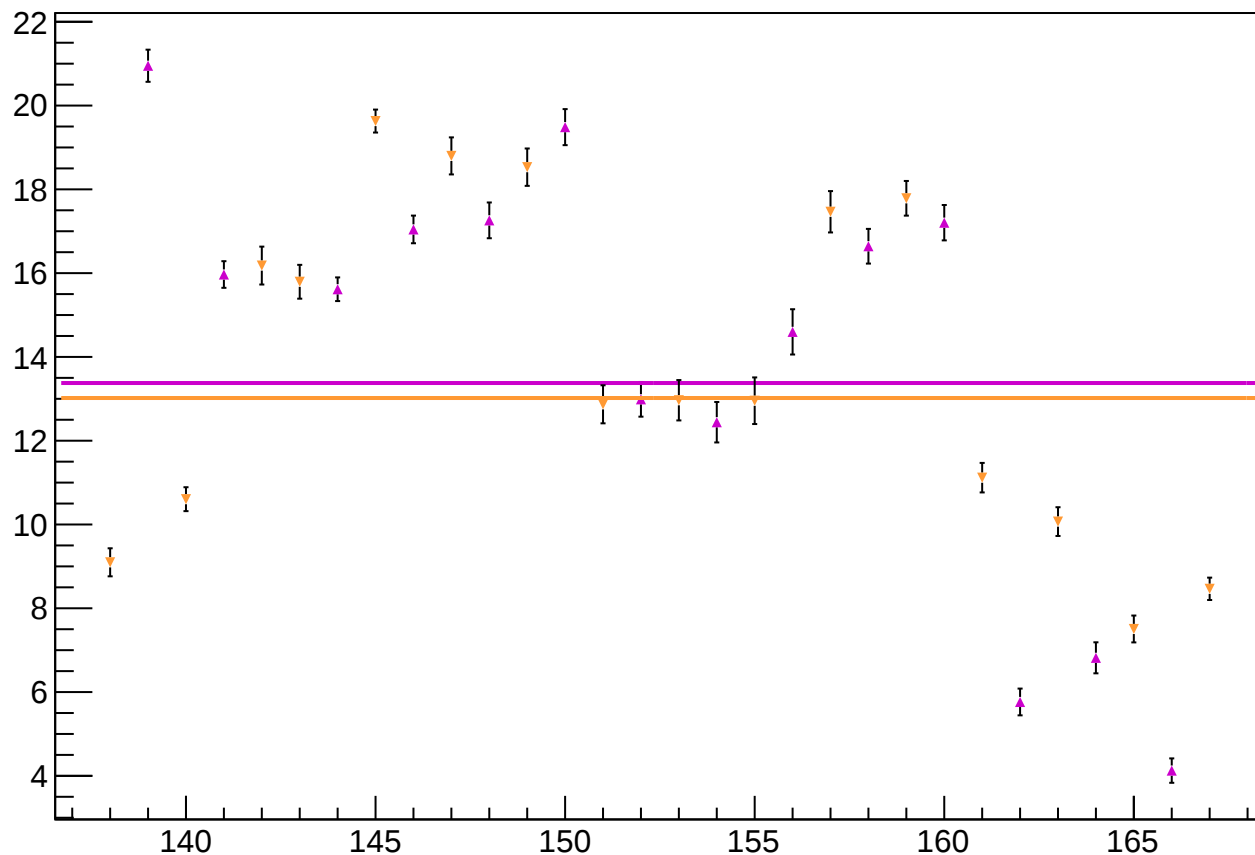
Left In: -0.357 ± 0.011 χ^2/NDF : 558.4/13

+ sign -0.124 ± 0.008 χ^2/NDF : 1525.8/32

All: -0.129 ± 0.005 χ^2/NDF : 3288.9/65

- sign -0.134 ± 0.008 χ^2/NDF : 1762.2/32

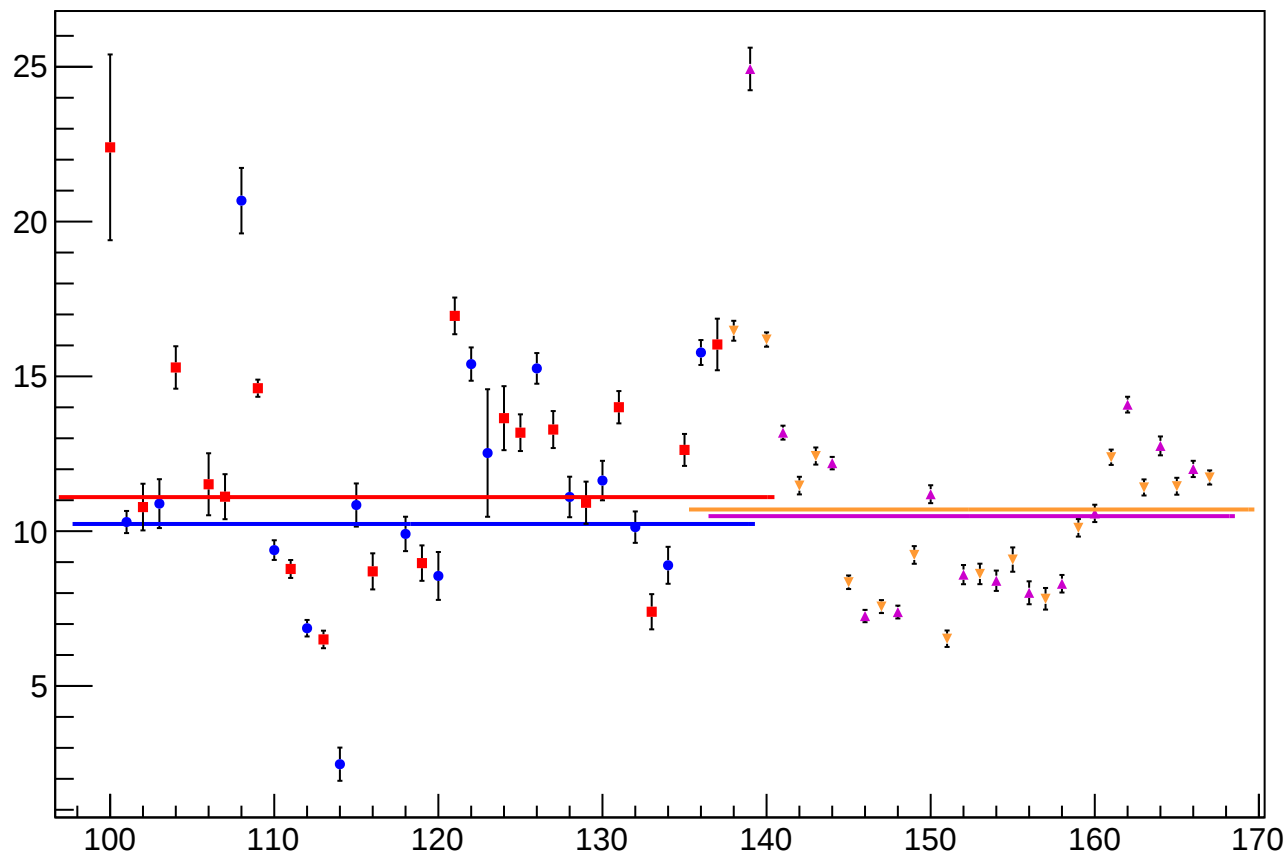
reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 13.019 $\pm$ 0.092 χ^2 /NDF:2114.0/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 13.377 $\pm$ 0.098 χ^2 /NDF:2971.6/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 13.186 $\pm$ 0.067 χ^2 /NDF: 5092.6/29
 - sign 0.000 $\pm$ 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

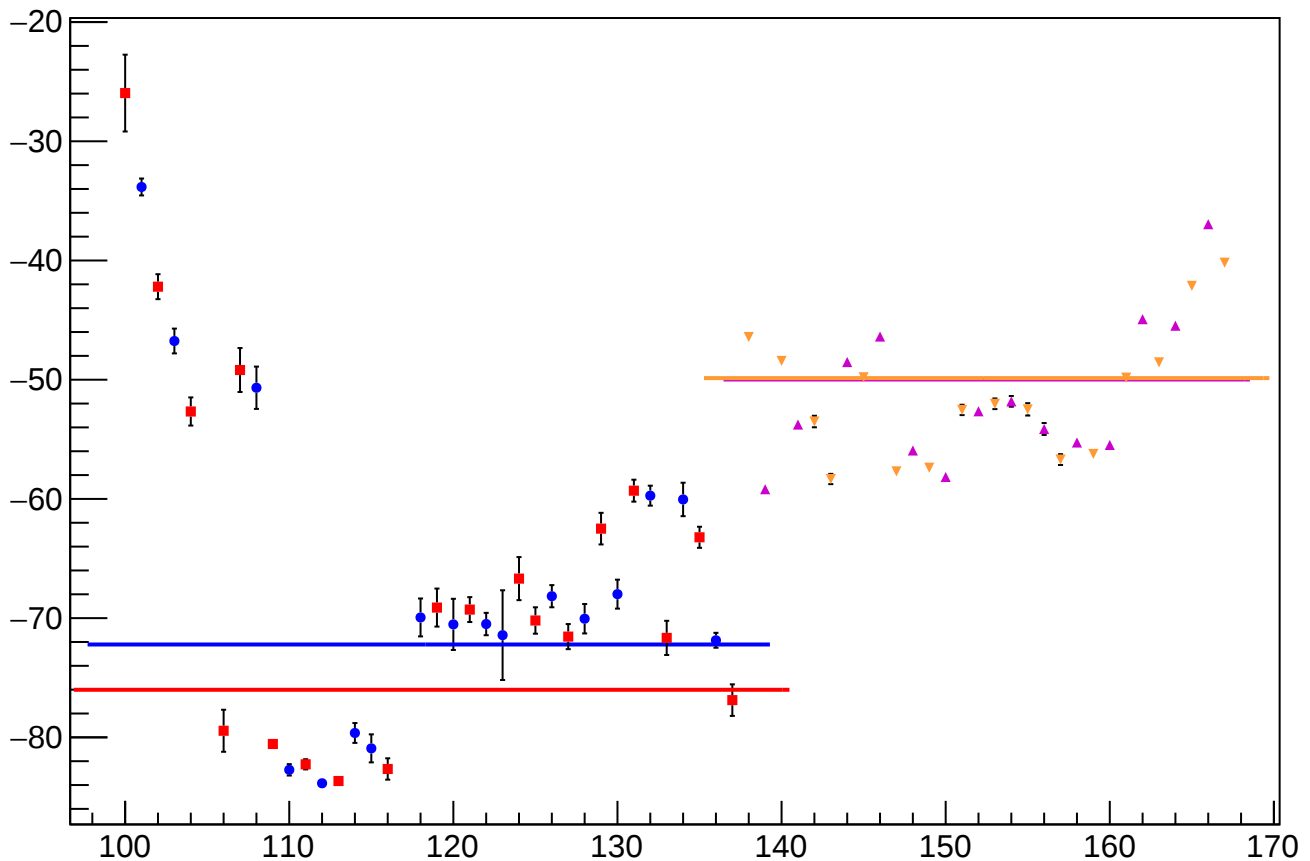
Left In: 10.485 $\pm$ 0.071 χ^2 /NDF:1618.7/13

+ sign 10.589 $\pm$ 0.058 χ^2 /NDF: 2643.0/32

All: 10.619 $\pm$ 0.042 χ^2 /NDF: 5100.4/65

- sign 10.651 $\pm$ 0.060 χ^2 /NDF: 2456.9/32

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

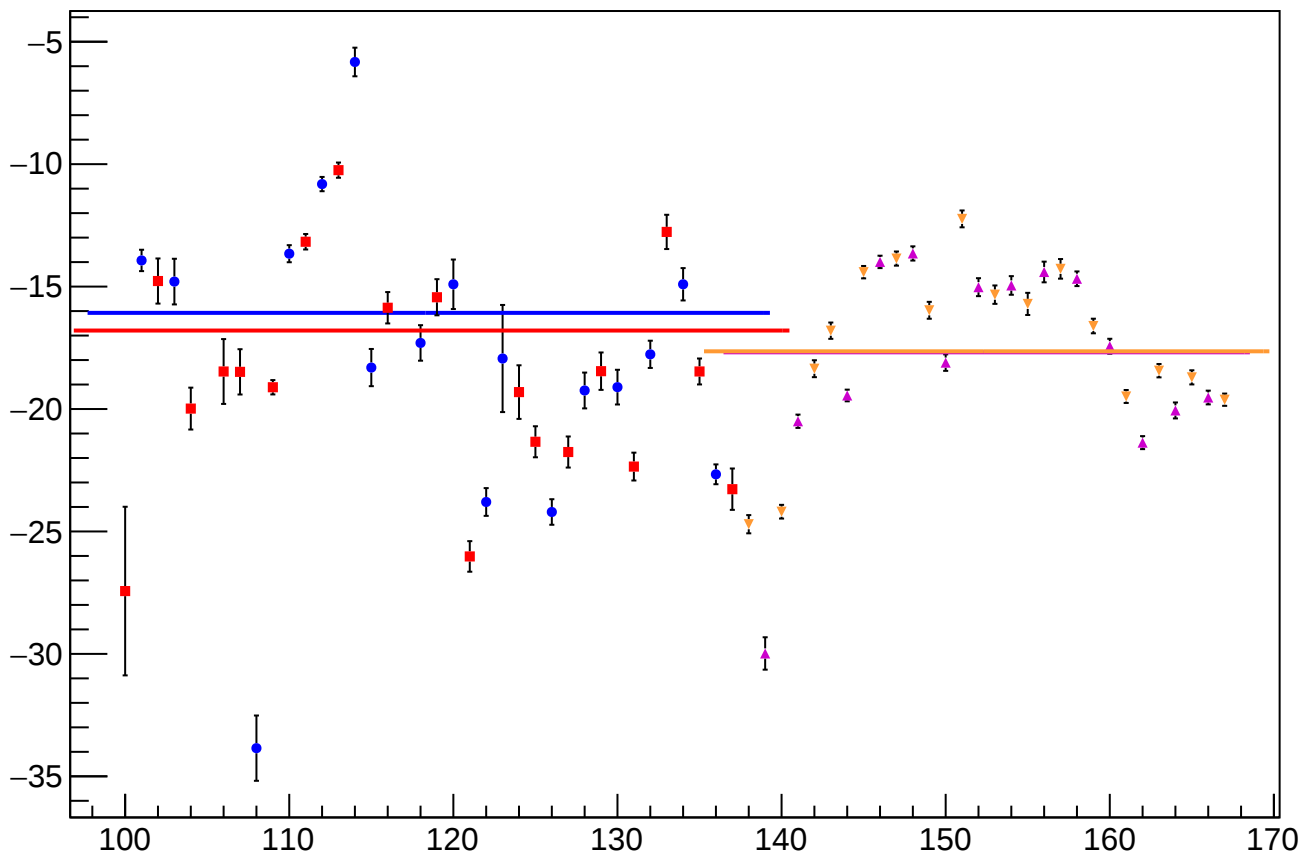
Left In: -49.982 ± 0.097 χ^2/NDF : 4279.4/13

+ sign -53.832 ± 0.083 χ^2/NDF : 19730.5/32

All: -54.789 ± 0.060 χ^2/NDF : 43804.7/65

- sign -55.795 ± 0.086 χ^2/NDF : 23804.4/32

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -17.643 ± 0.077 $\chi^2/\text{NDF}: 1794.2/15$

Right Out: -16.795 ± 0.128 $\chi^2/\text{NDF}: 1216.0/18$

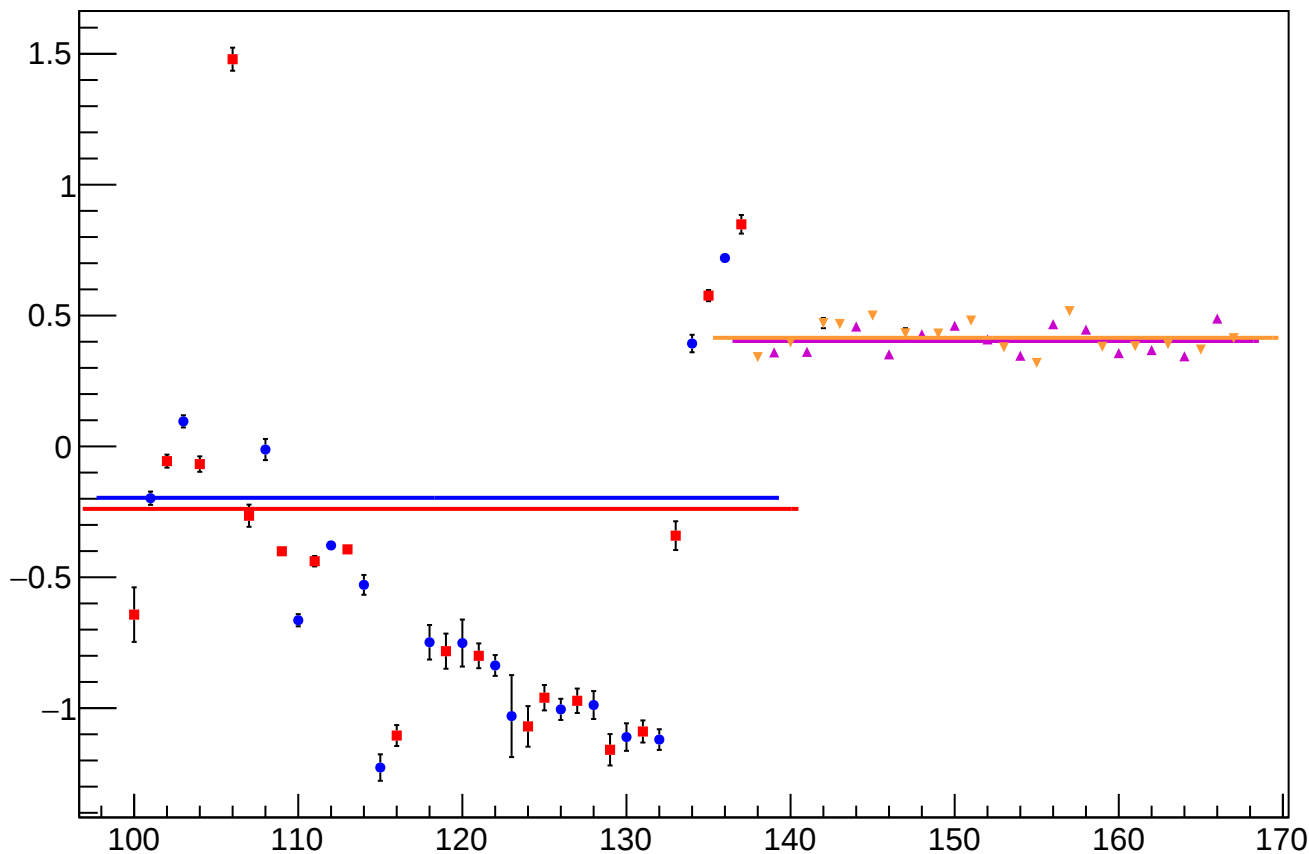
Left In: -17.685 ± 0.082 $\chi^2/\text{NDF}: 1469.7/13$

+ sign -17.244 ± 0.067 $\chi^2/\text{NDF}: 3539.4/32$

All: -17.331 ± 0.048 $\chi^2/\text{NDF}: 6262.8/65$

- sign -17.425 ± 0.069 $\chi^2/\text{NDF}: 2719.9/32$

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

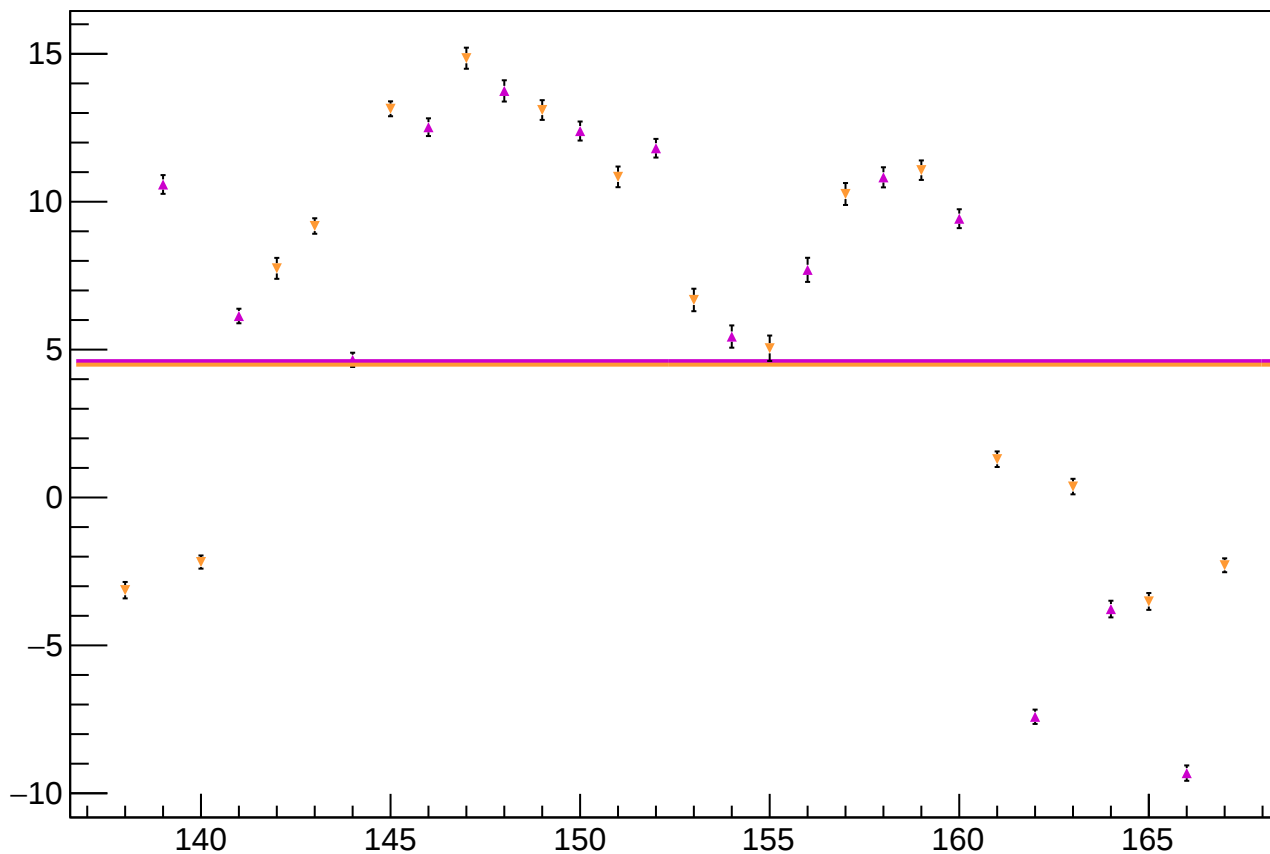
Left In: 0.403 ± 0.004 χ^2/NDF : 177.2/13

+ sign 0.299 ± 0.003 χ^2/NDF : 11866.5/32

All: 0.279 ± 0.002 χ^2/NDF : 24485.6/65

- sign 0.257 ± 0.003 χ^2/NDF : 12541.3/32

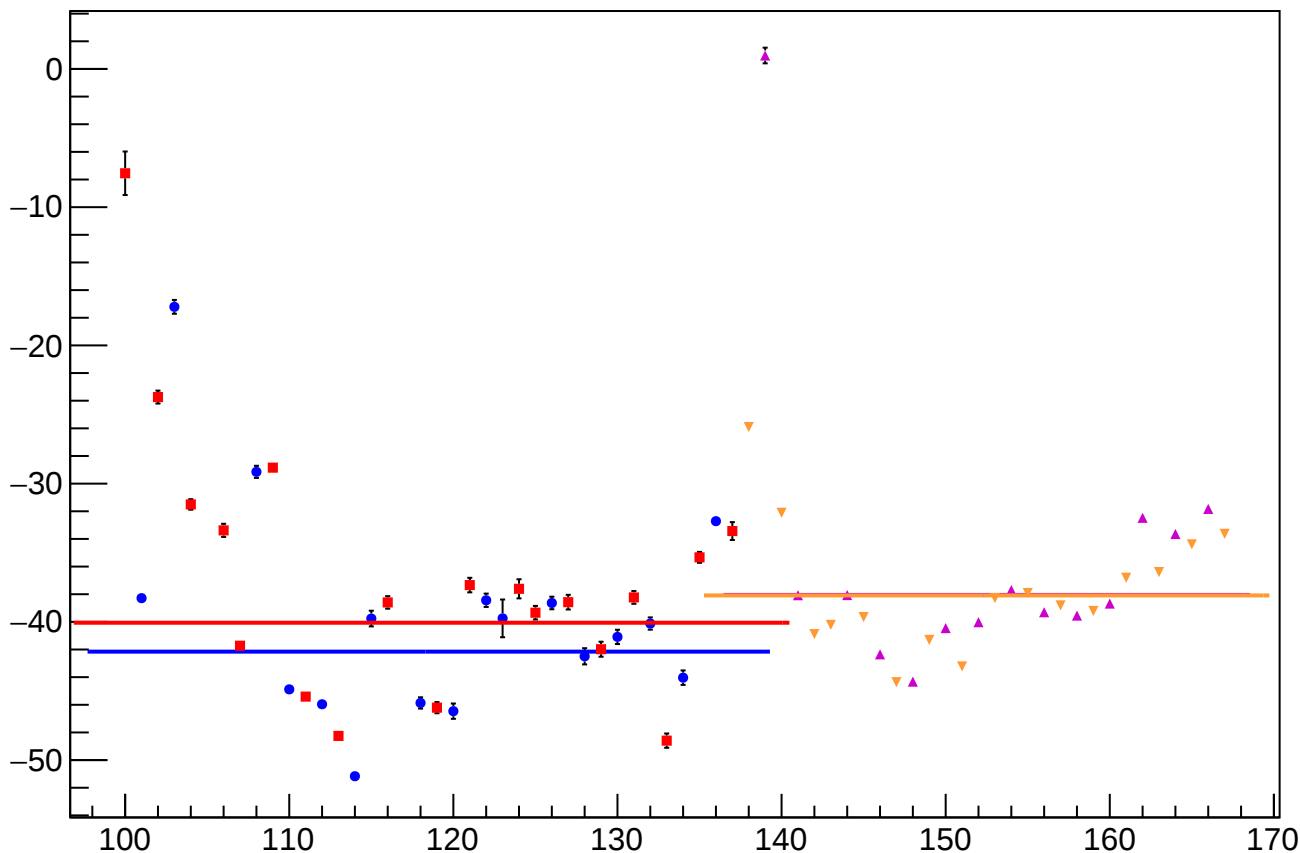
reg_asym_sam8_diff_bpm1X_slope vs Slug



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: 4.610+/-0.079 χ^2/NDF : 9686.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 4.546+/-0.054 χ^2/NDF : 17457.3/29
 - 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 $\chi^2/\text{NDF}: 6557.8/16$

Left Out: -38.088 ± 0.053 $\chi^2/\text{NDF}: 6578.2/15$

Right Out: -40.062 ± 0.073 $\chi^2/\text{NDF}: 11322.2/18$

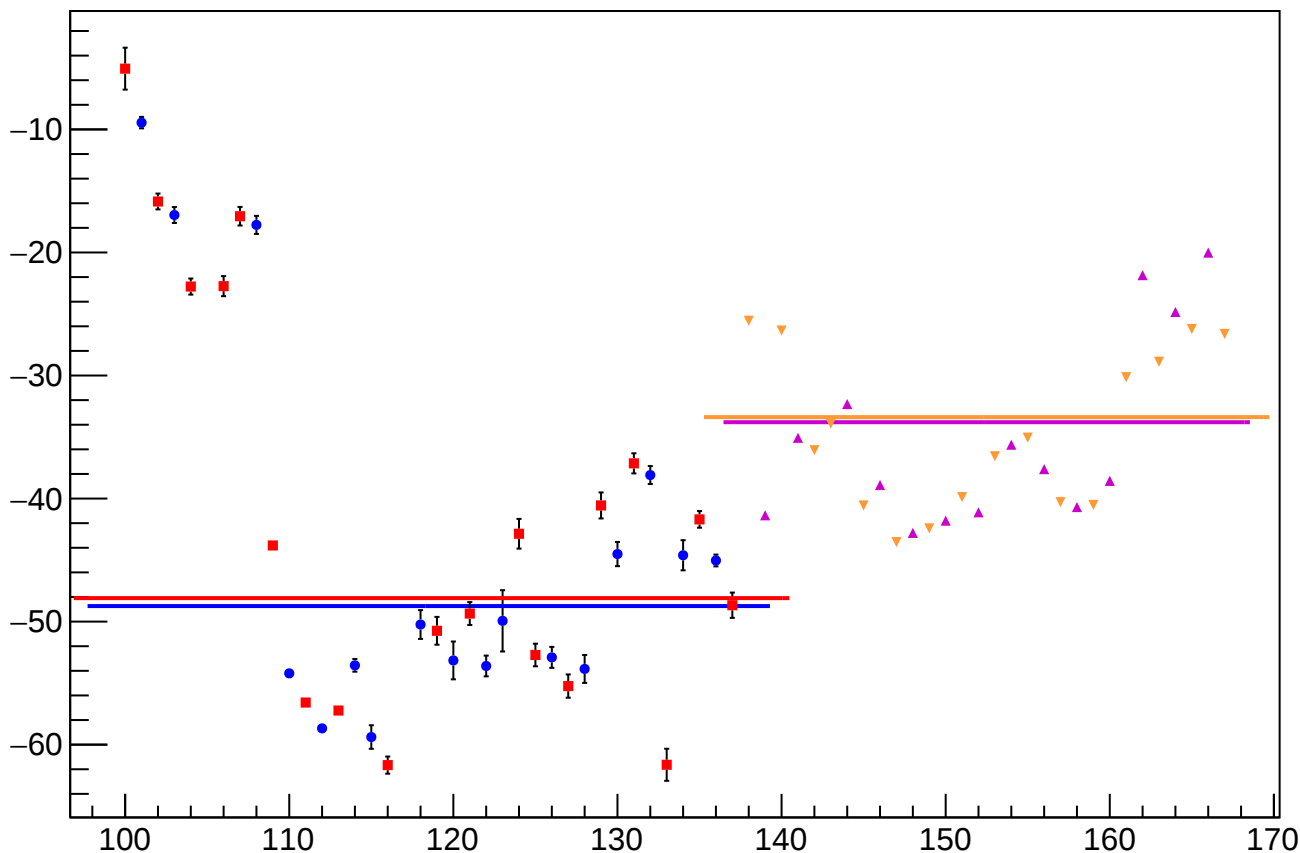
Left In: -38.052 ± 0.058 $\chi^2/\text{NDF}: 8701.8/13$

+ sign -39.376 ± 0.044 $\chi^2/\text{NDF}: 14991.2/32$

All: -39.108 ± 0.031 $\chi^2/\text{NDF}: 35561.0/65$

- sign -38.825 ± 0.045 $\chi^2/\text{NDF}: 20493.5/32$

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

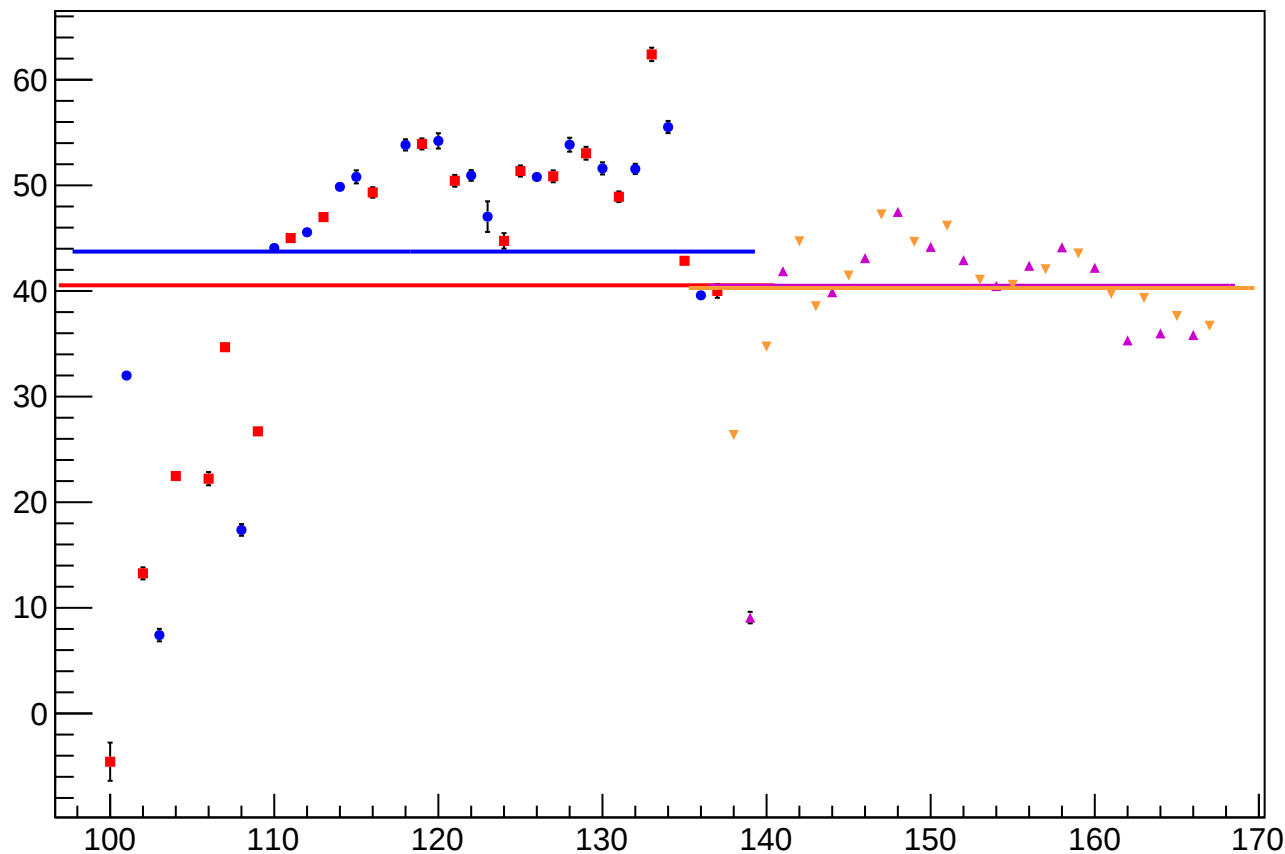
Left In: -33.794 ± 0.078 χ^2/NDF : 10136.6/13

+ sign -37.342 ± 0.063 χ^2/NDF : 33382.4/32

All: -38.050 ± 0.045 χ^2/NDF : 67109.9/65

- sign -38.756 ± 0.063 χ^2/NDF : 33477.3/32

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

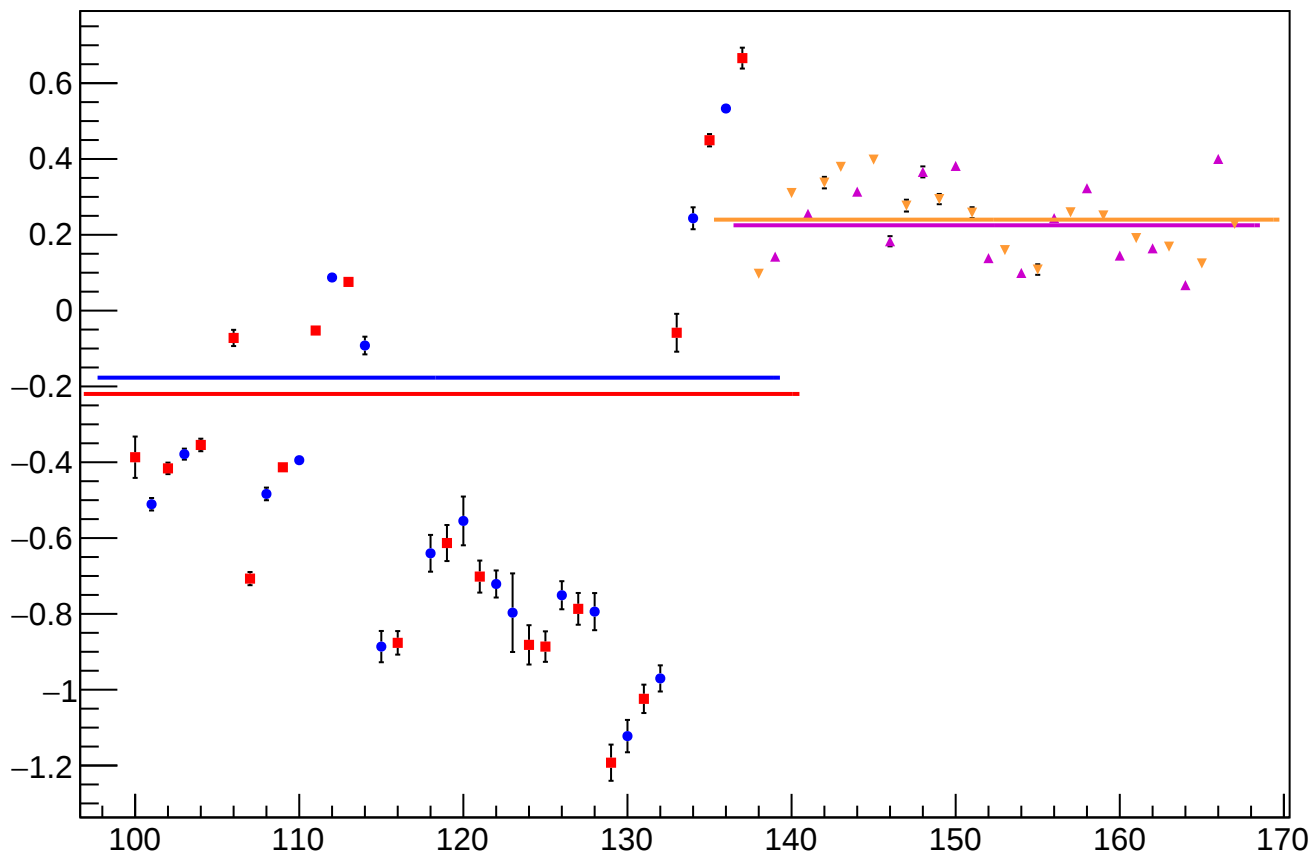
Left In: 40.496 ± 0.066 χ^2/NDF : 6243.3/13

+ sign 41.438 ± 0.050 χ^2/NDF : 16916.7/32

All: 40.984 ± 0.036 χ^2/NDF : 40928.1/65

- sign 40.513 ± 0.051 χ^2/NDF : 23844.8/32

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

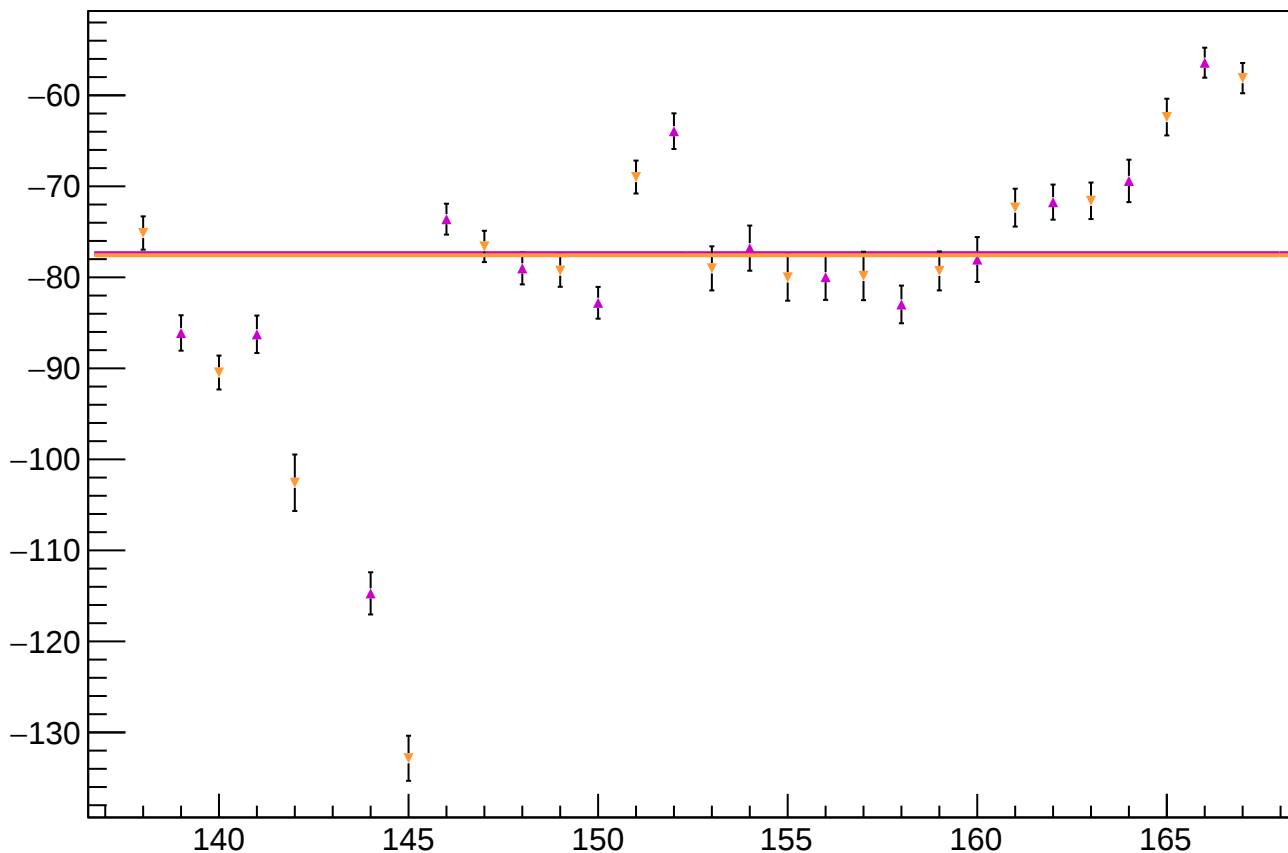
Left In: 0.225 ± 0.003 χ^2/NDF : 1122.7/13

+ sign 0.129 ± 0.002 χ^2/NDF : 13758.4/32

All: 0.101 ± 0.002 χ^2/NDF : 29591.6/65

- sign 0.072 ± 0.003 χ^2/NDF : 15573.4/32

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

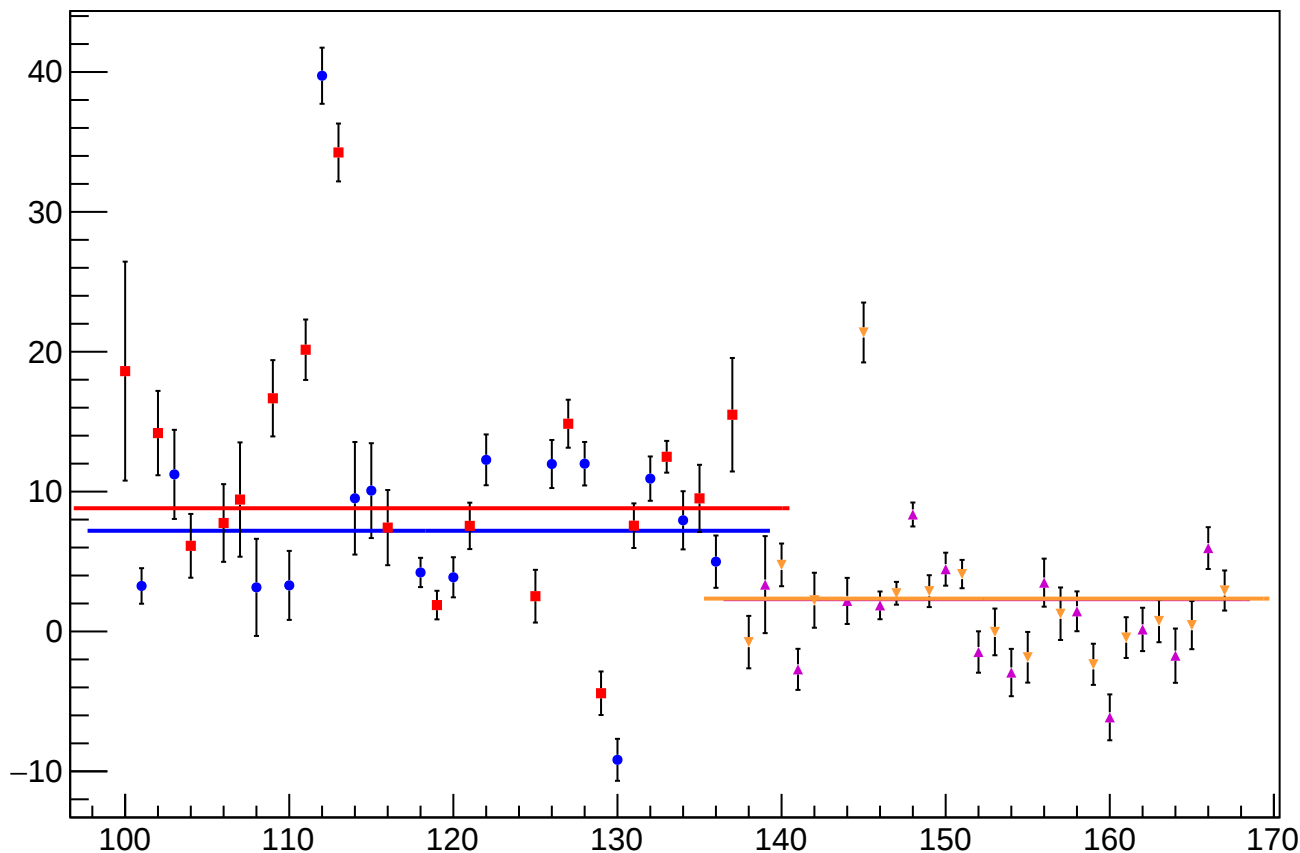
Left In: -77.347+/-0.536 χ^2/NDF : 551.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -77.461+/-0.376 χ^2/NDF : 1400.0/28

- 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 $\chi^2/\text{NDF}: 349.7/17$

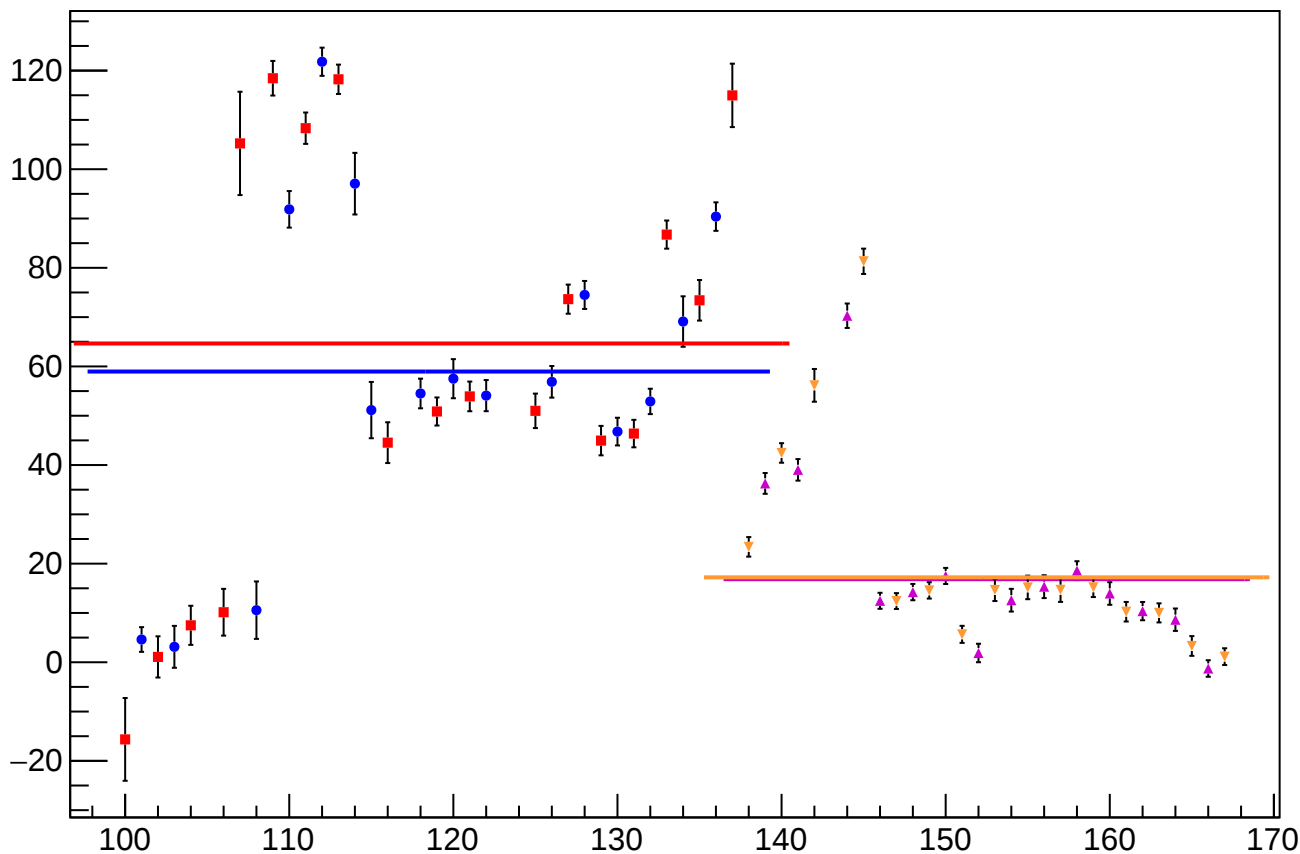
Left In: 2.309 ± 0.374 $\chi^2/\text{NDF}: 121.0/13$

+ sign 4.317 ± 0.280 $\chi^2/\text{NDF}: 628.0/30$

All: 4.640 ± 0.200 $\chi^2/\text{NDF}: 1225.6/62$

- sign 4.979 ± 0.287 $\chi^2/\text{NDF}: 594.9/31$

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

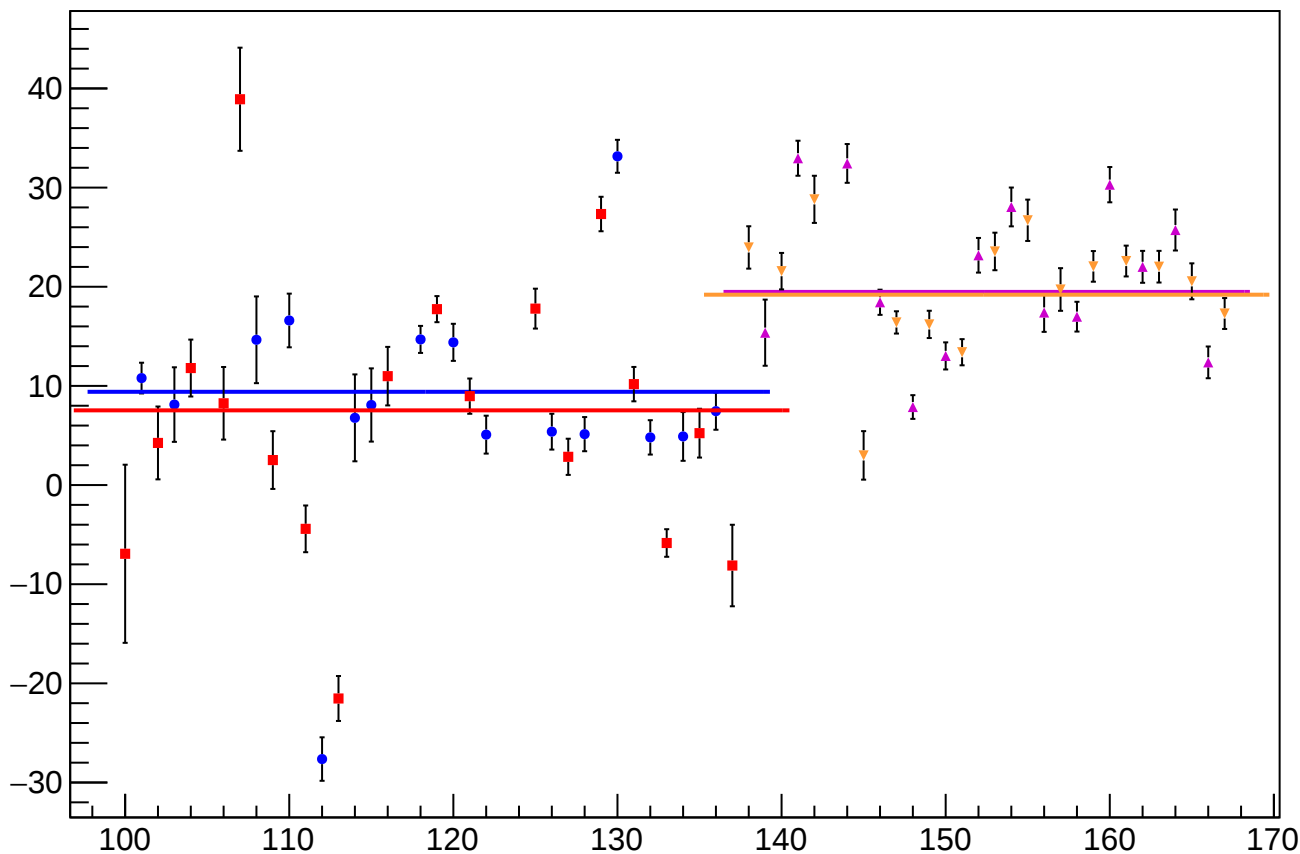
Left In: 16.853 ± 0.521 χ^2/NDF : 873.9/13

+ sign 28.739 ± 0.440 χ^2/NDF : 4453.3/30

All: 29.439 ± 0.312 χ^2/NDF : 9391.6/62

- sign 30.150 ± 0.443 χ^2/NDF : 4933.2/31

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 19.199 ± 0.430 $\chi^2/\text{NDF}: 128.8/14$

Right Out: 7.533 ± 0.515 $\chi^2/\text{NDF}: 569.8/17$

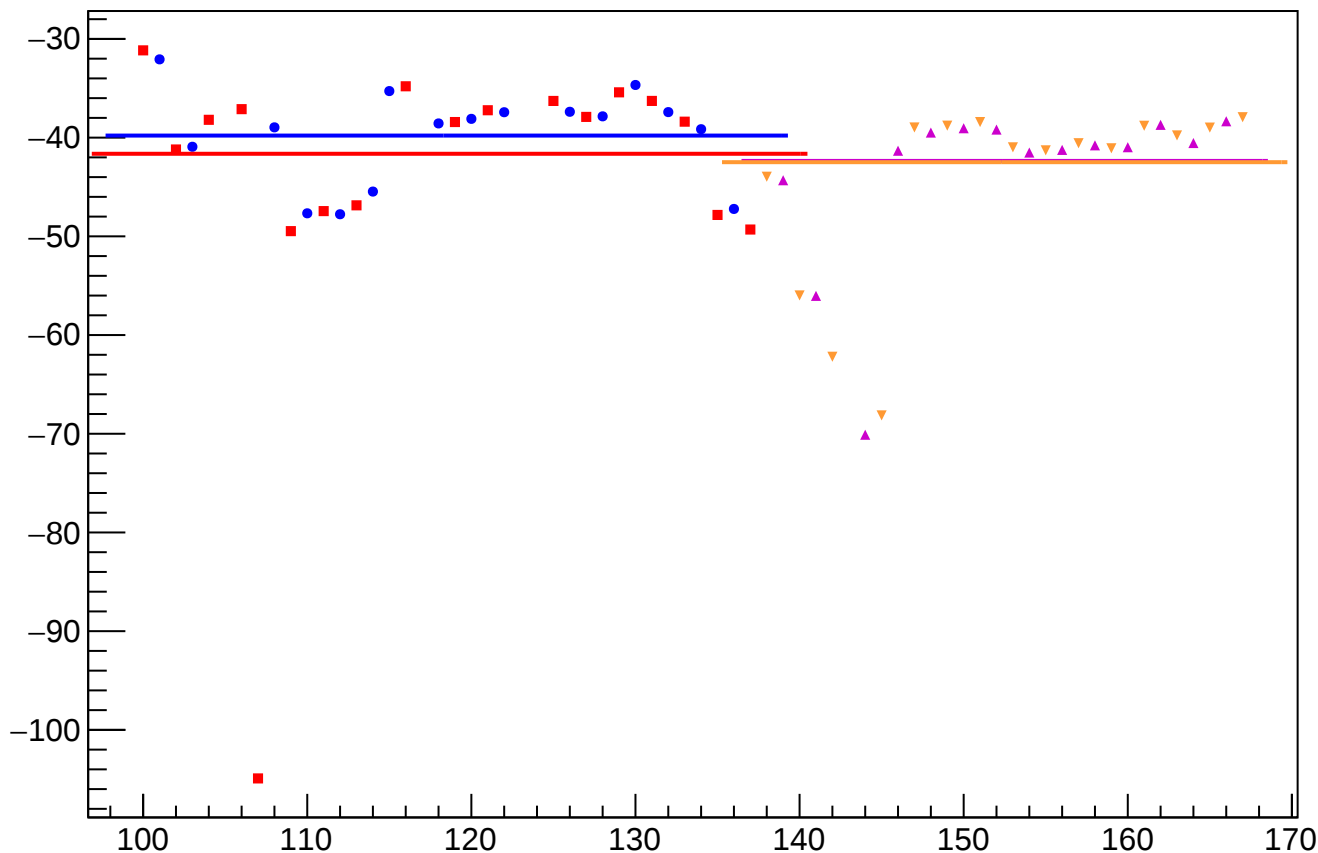
Left In: 19.480 ± 0.441 $\chi^2/\text{NDF}: 316.6/13$

+ sign 15.103 ± 0.328 $\chi^2/\text{NDF}: 895.7/30$

All: 14.772 ± 0.234 $\chi^2/\text{NDF}: 2094.8/62$

- sign 14.426 ± 0.335 $\chi^2/\text{NDF}: 1197.1/31$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 $\pm$ 0.031 χ^2 /NDF: 26138.6/15

Left Out: -42.487 $\pm$ 0.021 χ^2 /NDF: 129219.3/14

Right Out: -41.635 $\pm$ 0.031 χ^2 /NDF: 94393.1/17

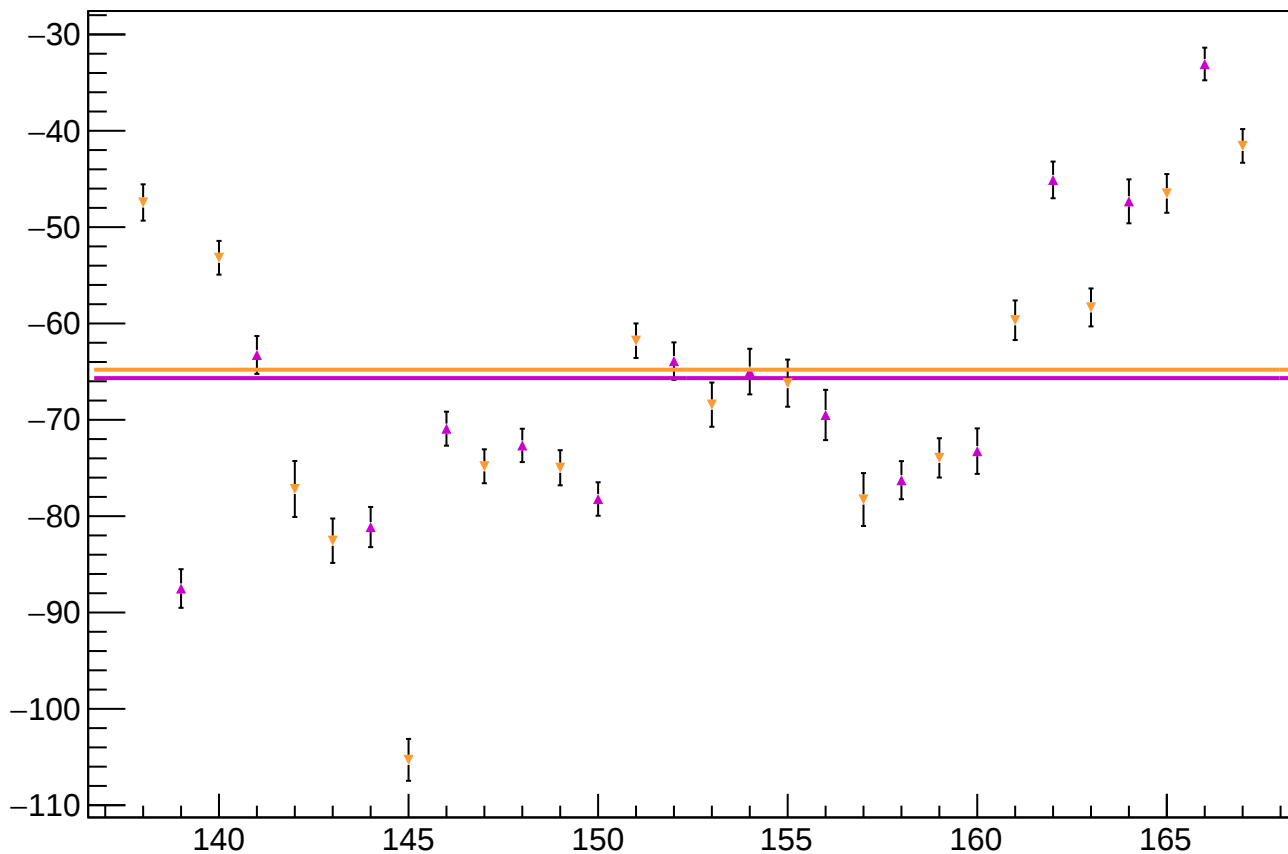
Left In: -42.359 $\pm$ 0.021 χ^2 /NDF: 102425.1/13

+ sign -41.668 $\pm$ 0.017 χ^2 /NDF: 160546.5/30

All: -41.901 $\pm$ 0.012 χ^2 /NDF: 358105.8/62

- sign -42.137 $\pm$ 0.017 χ^2 /NDF: 197190.7/31

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

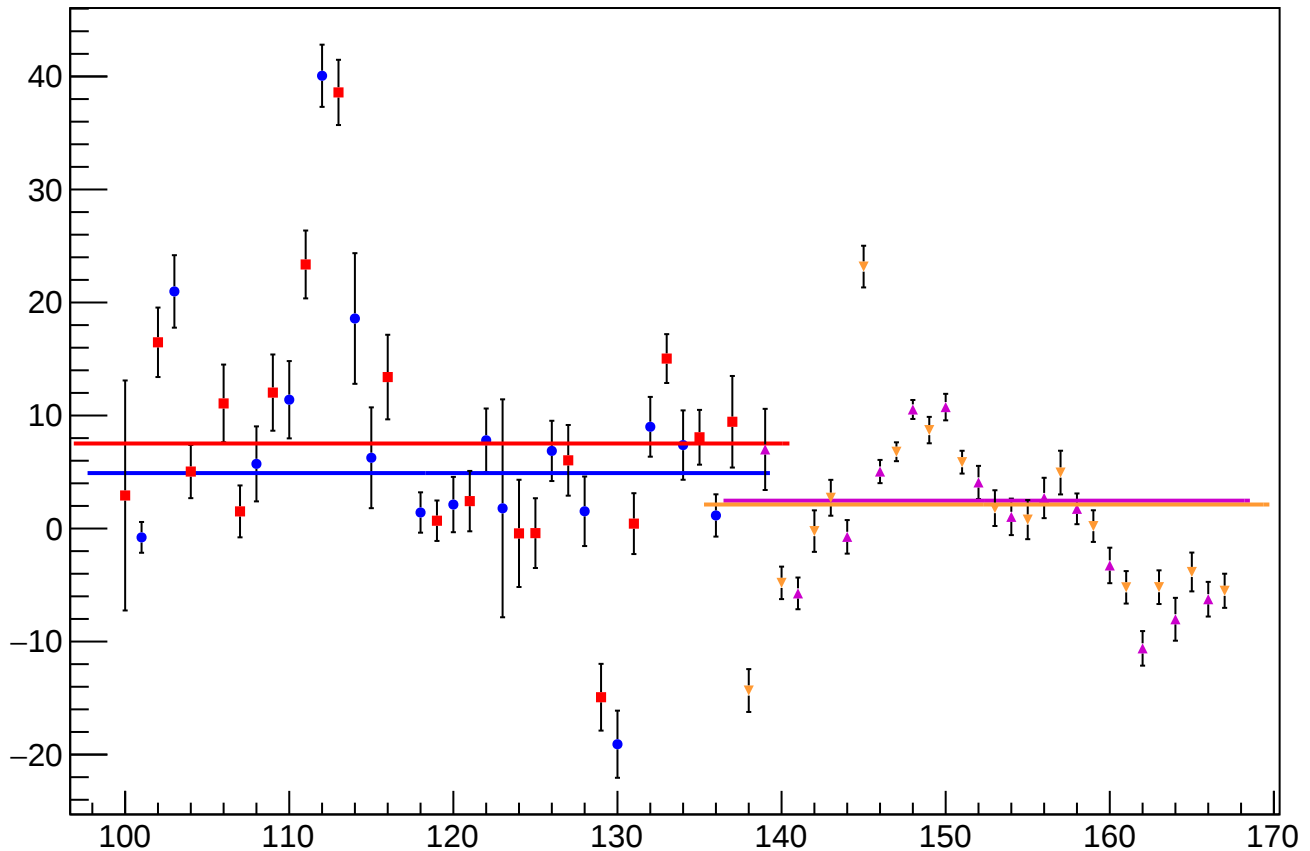
Left In: -65.672+/-0.529 χ^2/NDF : 847.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -65.216+/-0.367 χ^2/NDF : 1791.4/29

- 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

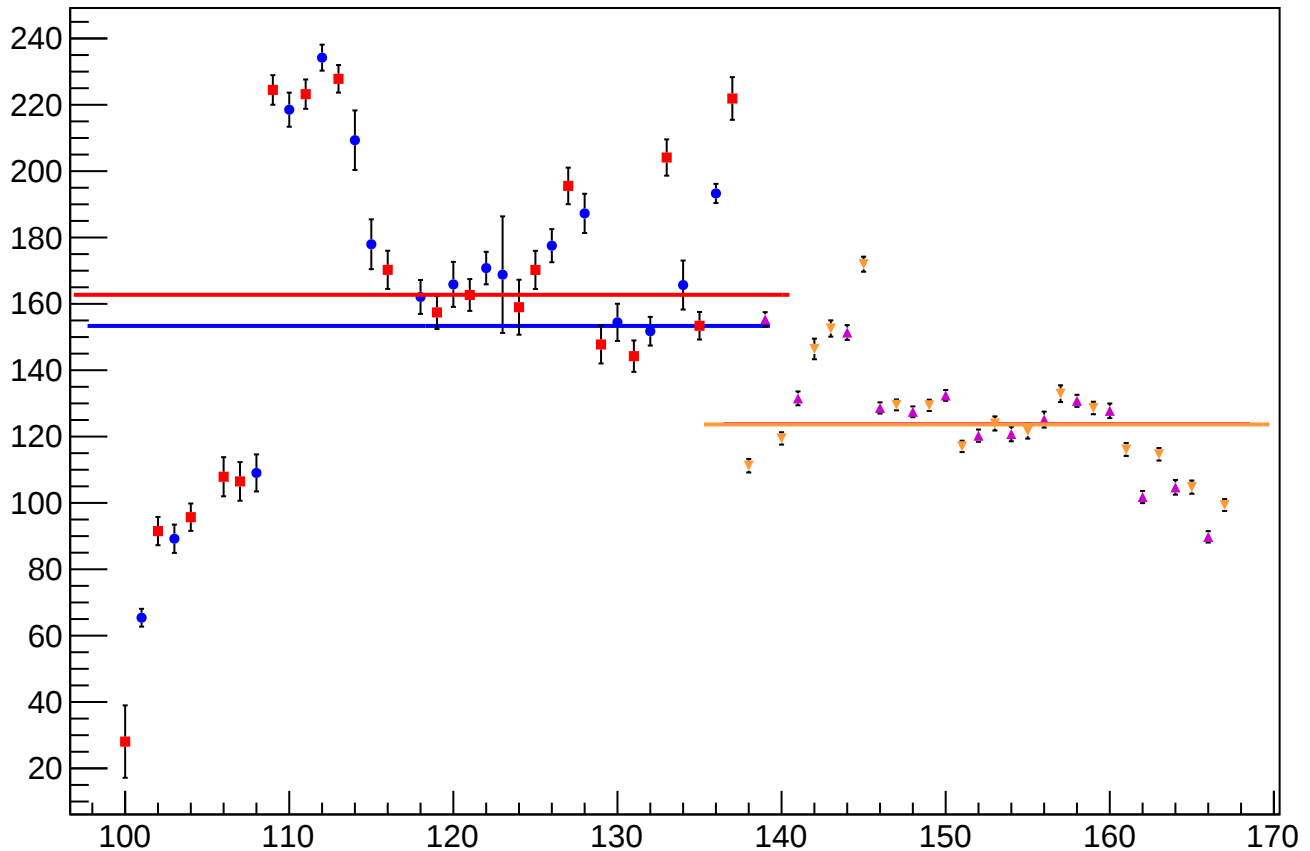
Left In: 2.466 ± 0.368 χ^2/NDF : 340.6/13

+ sign 2.787 ± 0.306 χ^2/NDF : 710.2/32

All: 3.219 ± 0.221 χ^2/NDF : 1371.3/65

- sign 3.693 ± 0.320 χ^2/NDF : 656.9/32

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 123.657 $\pm$ 0.500 χ^2 /NDF: 1057.9/15

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

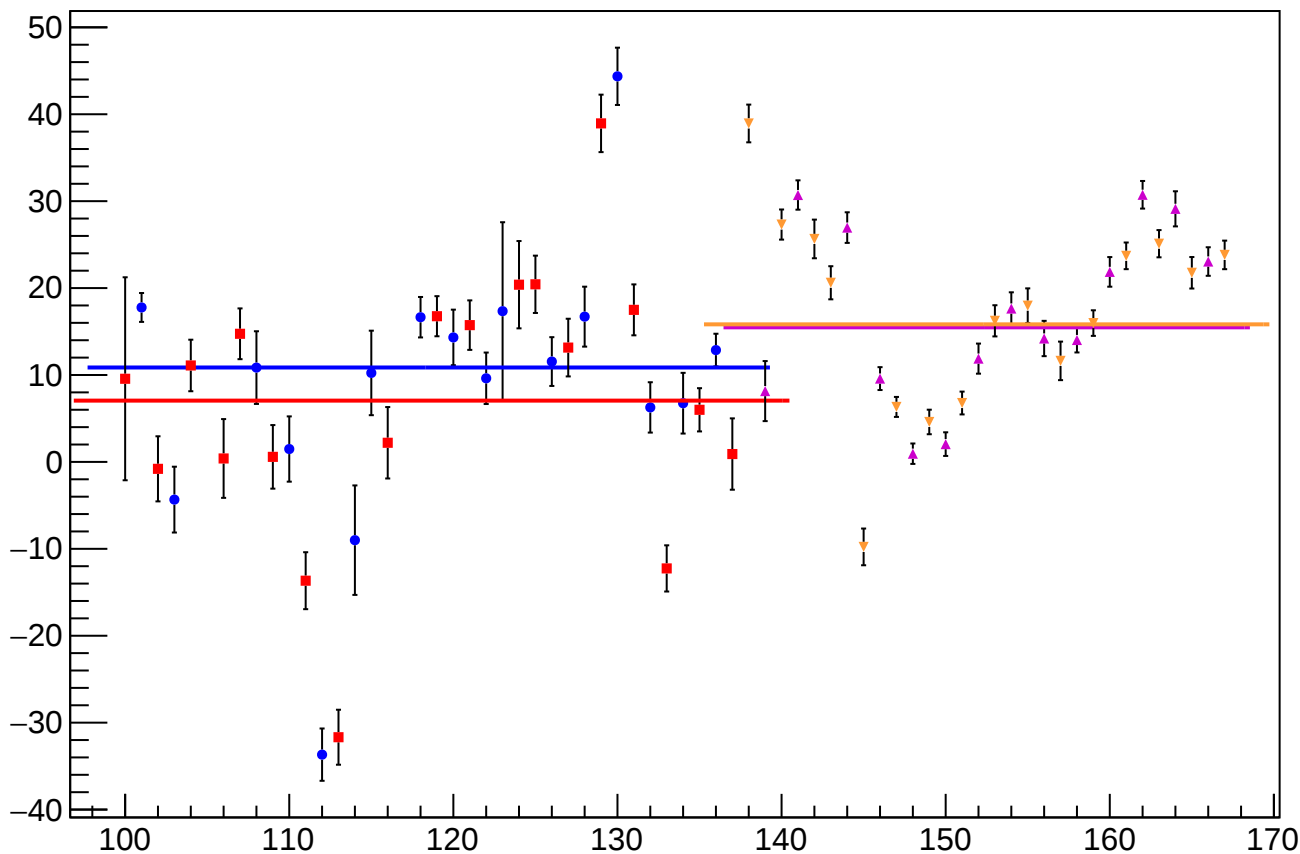
Left In: 123.786 $\pm$ 0.515 χ^2 /NDF: 1049.9/13

+ sign 128.383 $\pm$ 0.459 χ^2 /NDF: 3886.5/32

All: 129.195 $\pm$ 0.329 χ^2 /NDF: 7570.6/65

- sign 130.055 $\pm$ 0.472 χ^2 /NDF: 3677.6/32

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

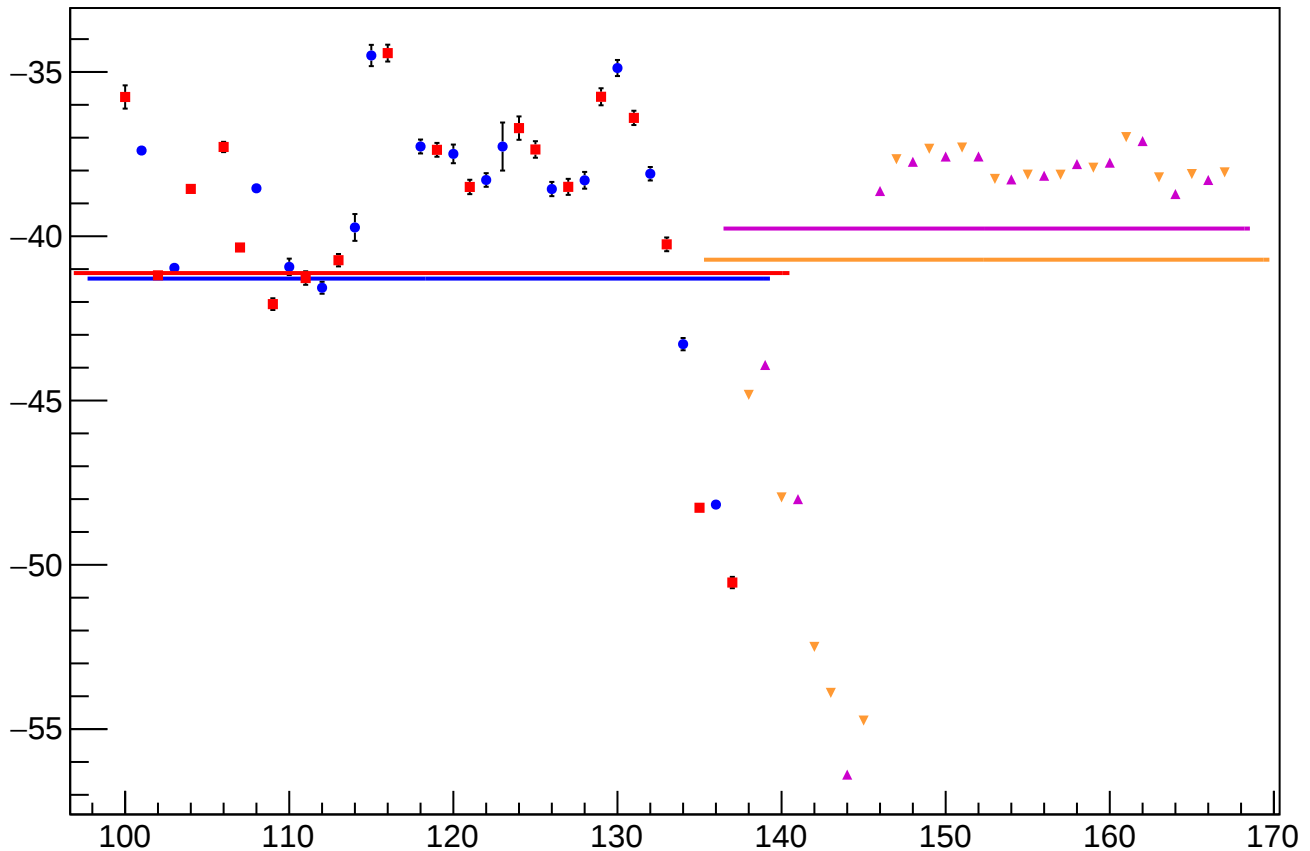
Left In: 15.483 $\pm$ 0.434 χ^2 /NDF: 579.3/13

+ sign 14.590 $\pm$ 0.359 χ^2 /NDF: 1033.4/32

All: 14.001 $\pm$ 0.260 χ^2 /NDF: 2138.2/65

- sign 13.357 $\pm$ 0.375 χ^2 /NDF: 1099.2/32

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

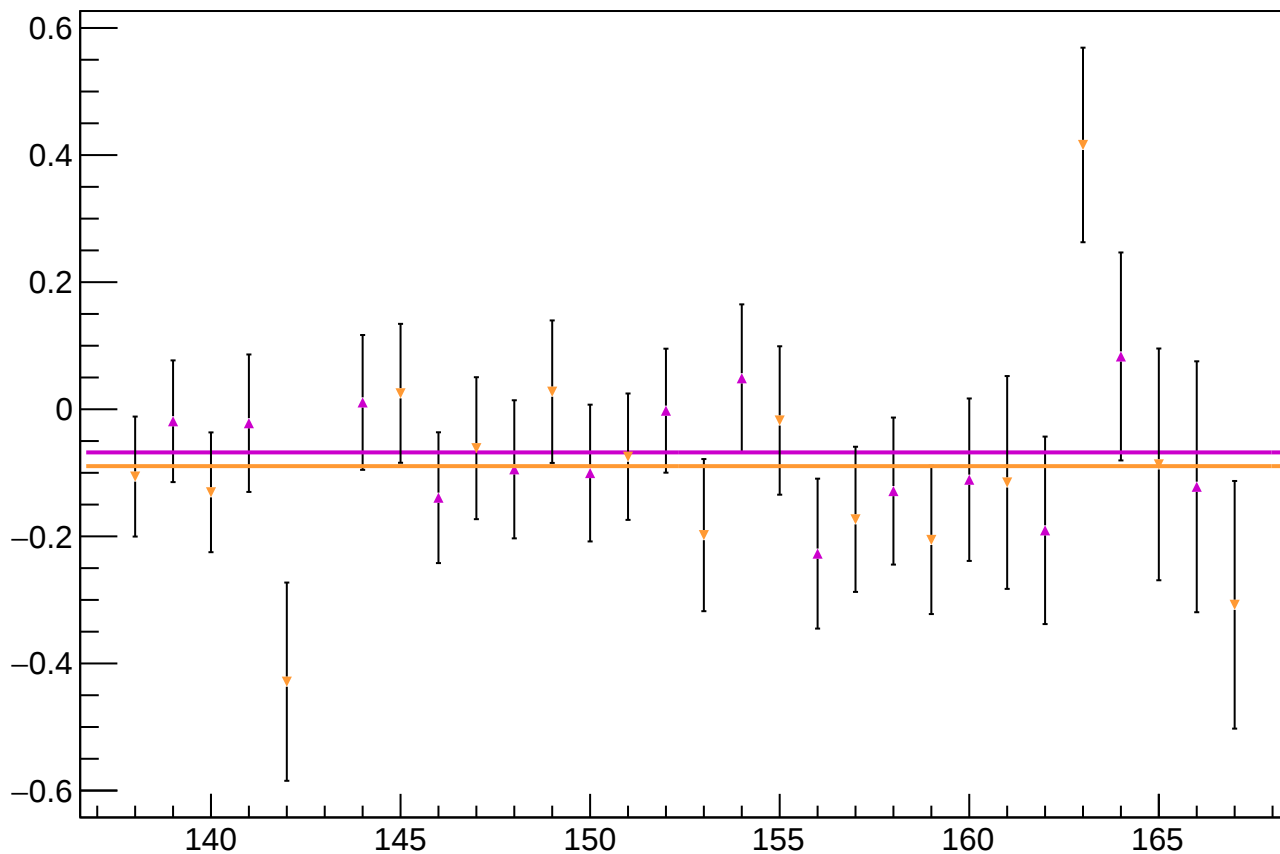
Left In: -39.765 +/- 0.021 χ^2/NDF : 48558.0/13

+ sign -40.835 +/- 0.018 χ^2/NDF : 90922.7/32

All: -40.459 +/- 0.013 χ^2/NDF : 153470.5/65

- sign -40.064 +/- 0.018 χ^2/NDF : 61625.7/32

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

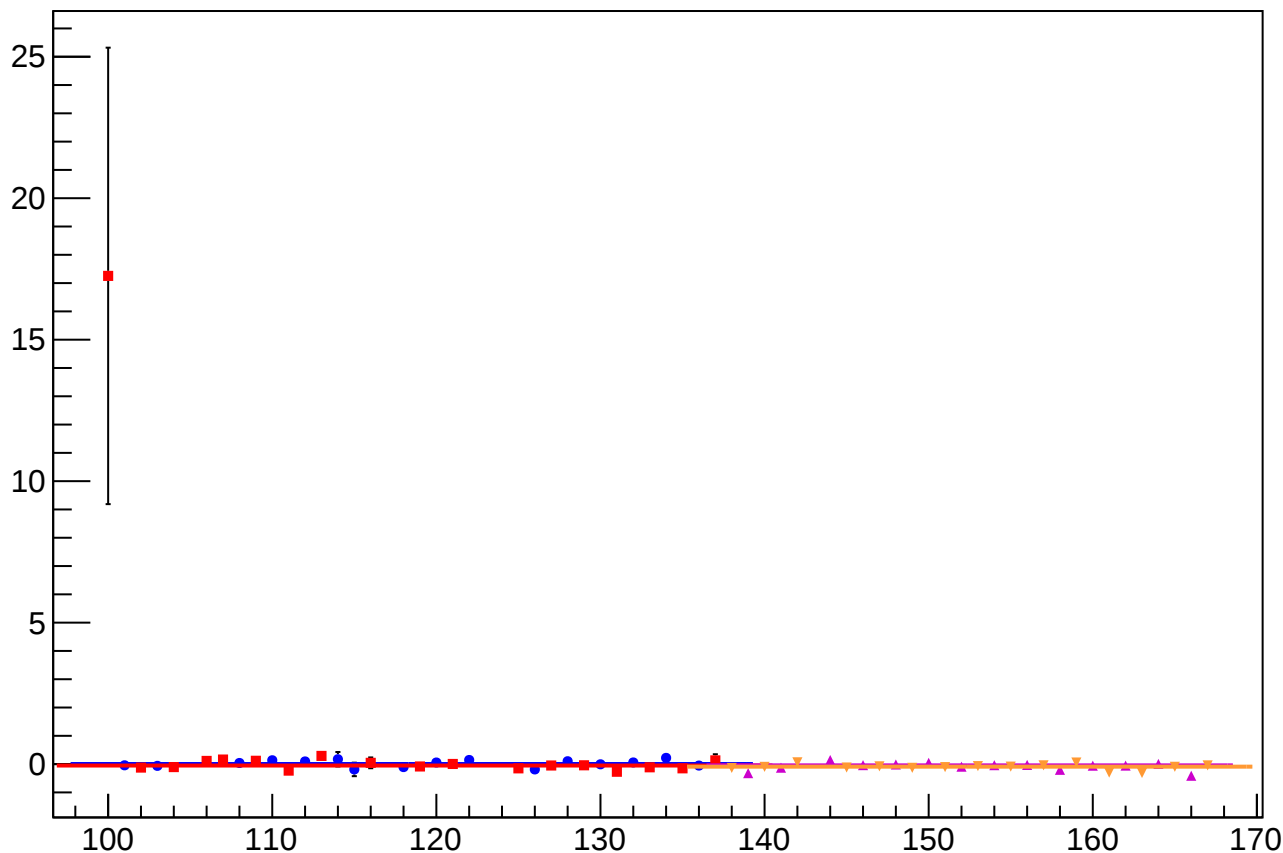
Left In: -0.068 $\pm$ 0.031 χ^2 /NDF: 6.9/13

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

All: -0.079 $\pm$ 0.022 χ^2 /NDF: 29.3/28

- 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

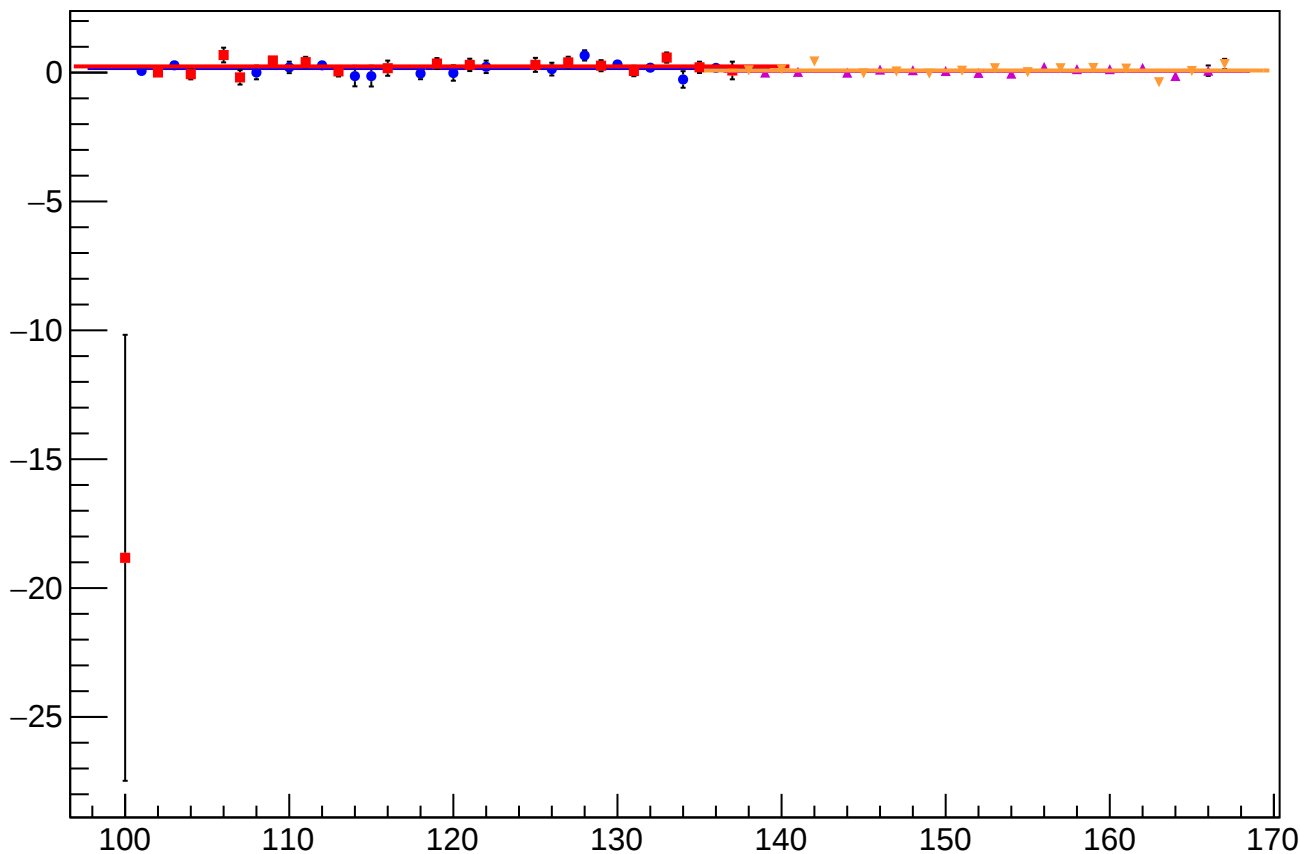
Left In: -0.044 ± 0.022 χ^2/NDF : 20.5/13

+ sign -0.056 ± 0.017 χ^2/NDF : 32.9/30

All: -0.051 ± 0.012 χ^2/NDF : 79.2/62

- sign -0.046 ± 0.017 χ^2/NDF : 46.1/31

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

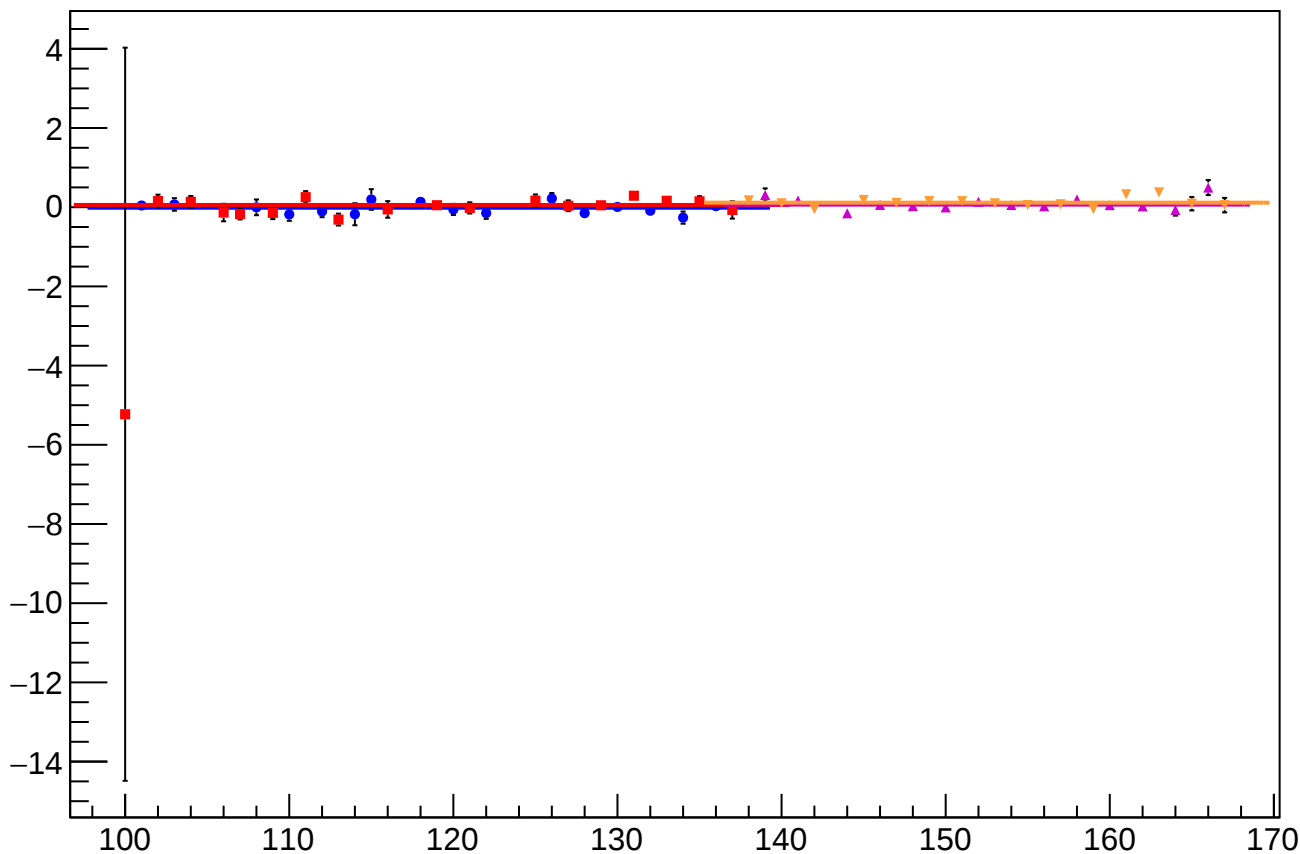
Left In: 0.063 $\pm$ 0.030 χ^2 /NDF: 7.7/13

+ sign 0.104 $\pm$ 0.026 χ^2 /NDF: 36.3/30

All: 0.105 $\pm$ 0.019 χ^2 /NDF: 73.8/62

- sign 0.105 $\pm$ 0.026 χ^2 /NDF: 37.5/31

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

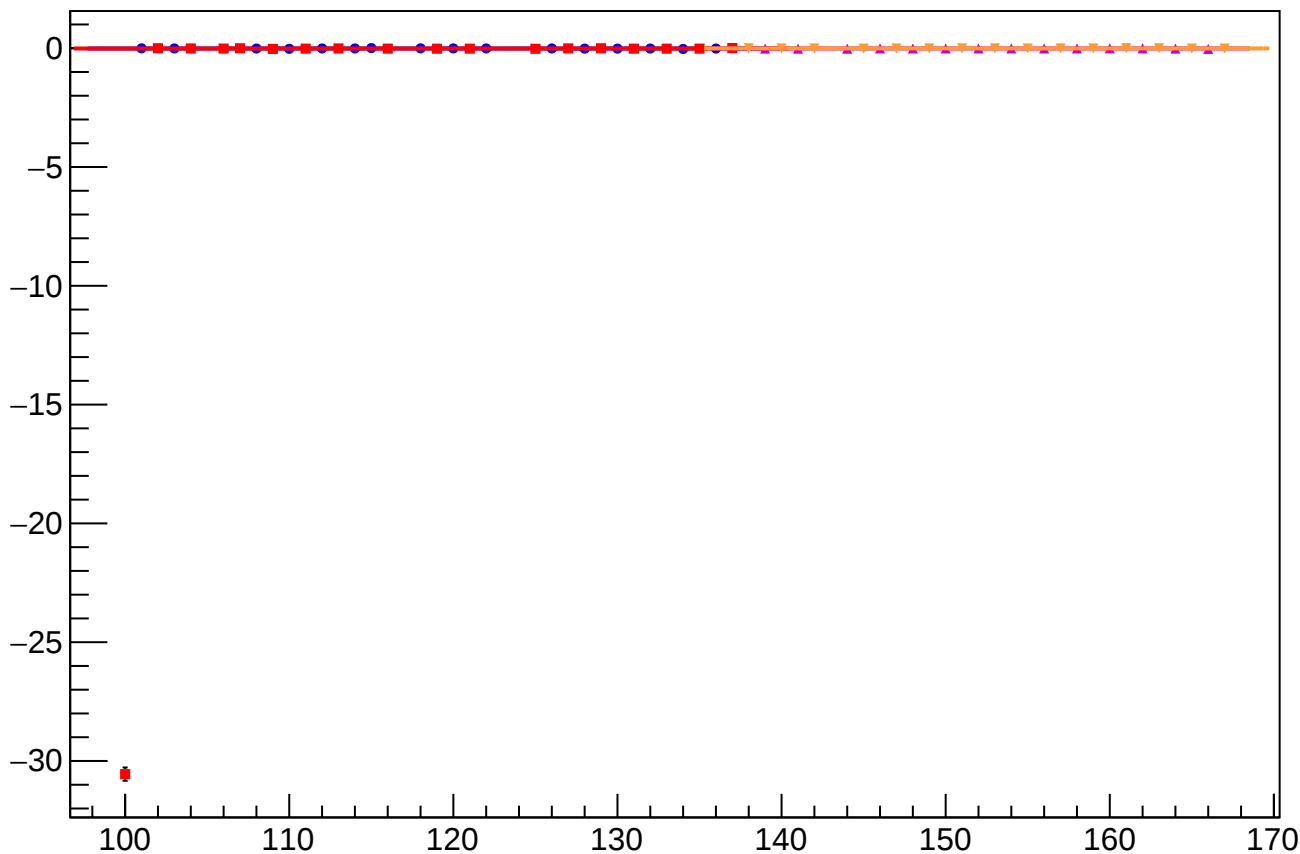
Left In: 0.064 ± 0.026 χ^2/NDF : 19.8/13

+ sign 0.066 ± 0.020 χ^2/NDF : 37.6/30

All: 0.064 ± 0.014 χ^2/NDF : 77.8/62

- sign 0.062 ± 0.020 χ^2/NDF : 40.1/31

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 12.5/14

Right Out: -0.012 ± 0.002 χ^2/NDF : 11891.4/17

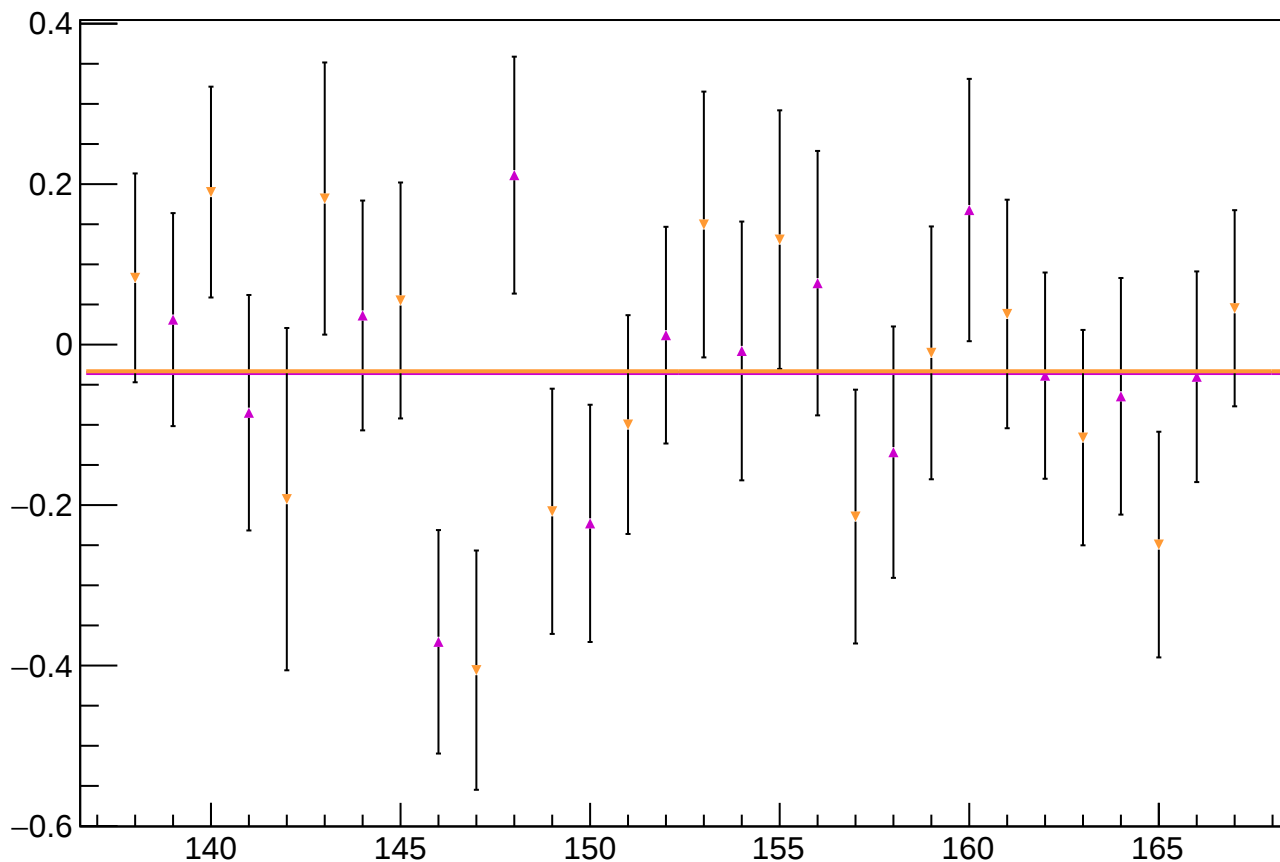
Left In: -0.011 ± 0.001 χ^2/NDF : 16.3/13

+ sign -0.009 ± 0.001 χ^2/NDF : 28.0/30

All: -0.010 ± 0.001 χ^2/NDF : 11937.7/62

- sign -0.011 ± 0.001 χ^2/NDF : 11908.0/31

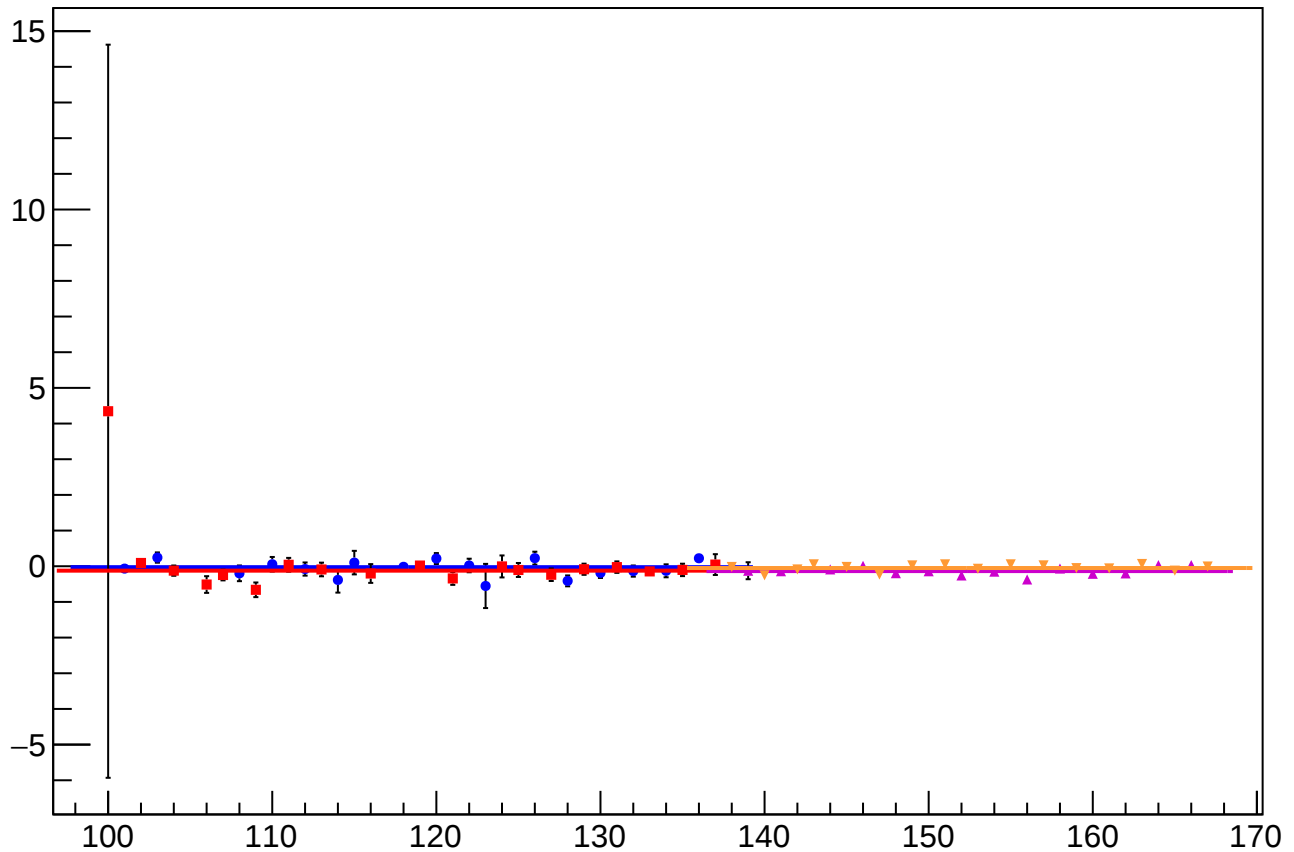
reg_asym_dsr_diff_bpm1X_slope vs Slug



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: -0.035 $\pm$ 0.039 χ^2 /NDF: 13.4/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.034 $\pm$ 0.027 χ^2 /NDF: 34.4/29
 - 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

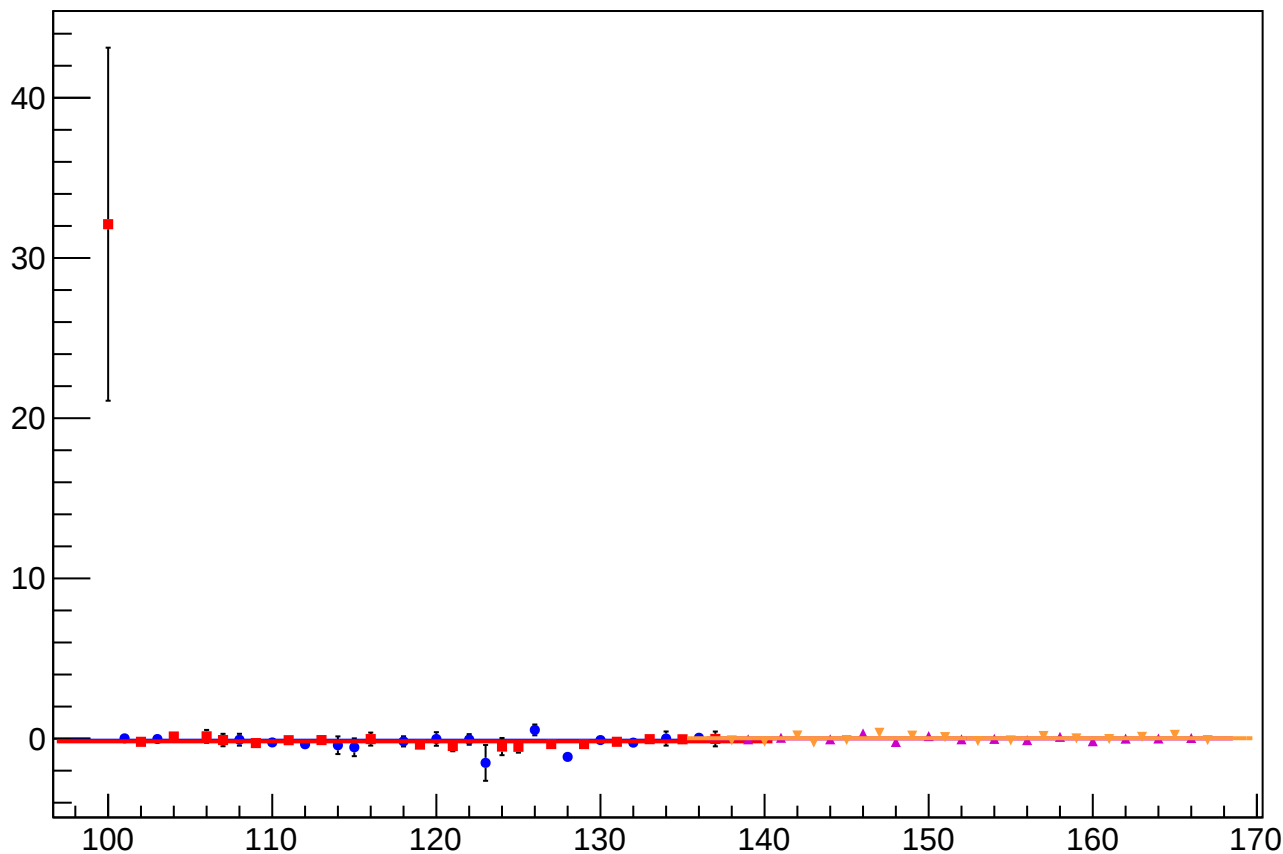
Left In: -0.136 ± 0.028 χ^2/NDF : 15.1/13

+ sign -0.042 ± 0.021 χ^2/NDF : 39.5/32

All: -0.084 ± 0.016 χ^2/NDF : 81.3/65

- sign -0.132 ± 0.023 χ^2/NDF : 33.4/32

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

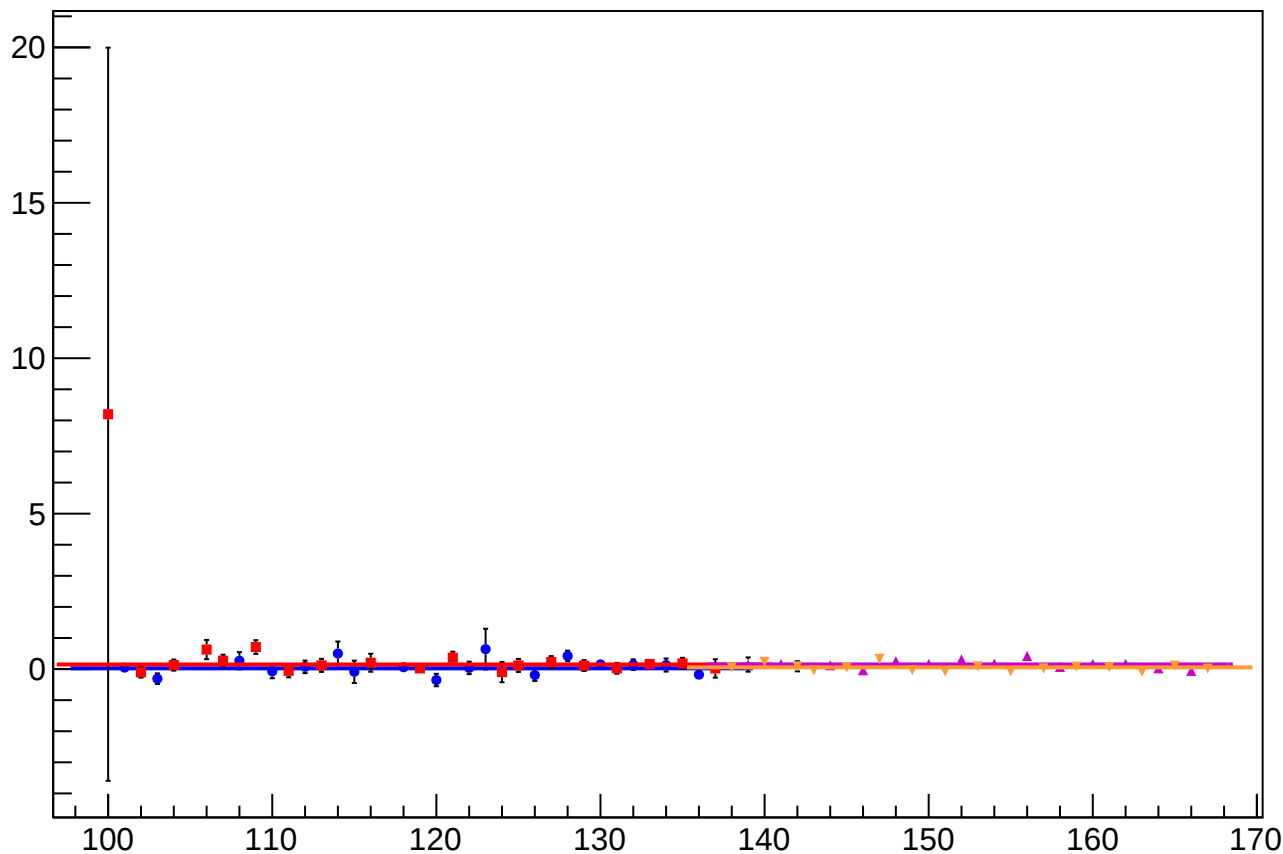
Left In: 0.011 ± 0.038 χ^2/NDF : 12.0/13

+ sign -0.011 ± 0.032 χ^2/NDF : 48.1/32

All: -0.020 ± 0.023 χ^2/NDF : 80.3/65

- sign -0.029 ± 0.033 χ^2/NDF : 32.1/32

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.055 ± 0.030 χ^2/NDF : 15.4/15

Right Out: 0.148 ± 0.045 χ^2/NDF : 16.6/18

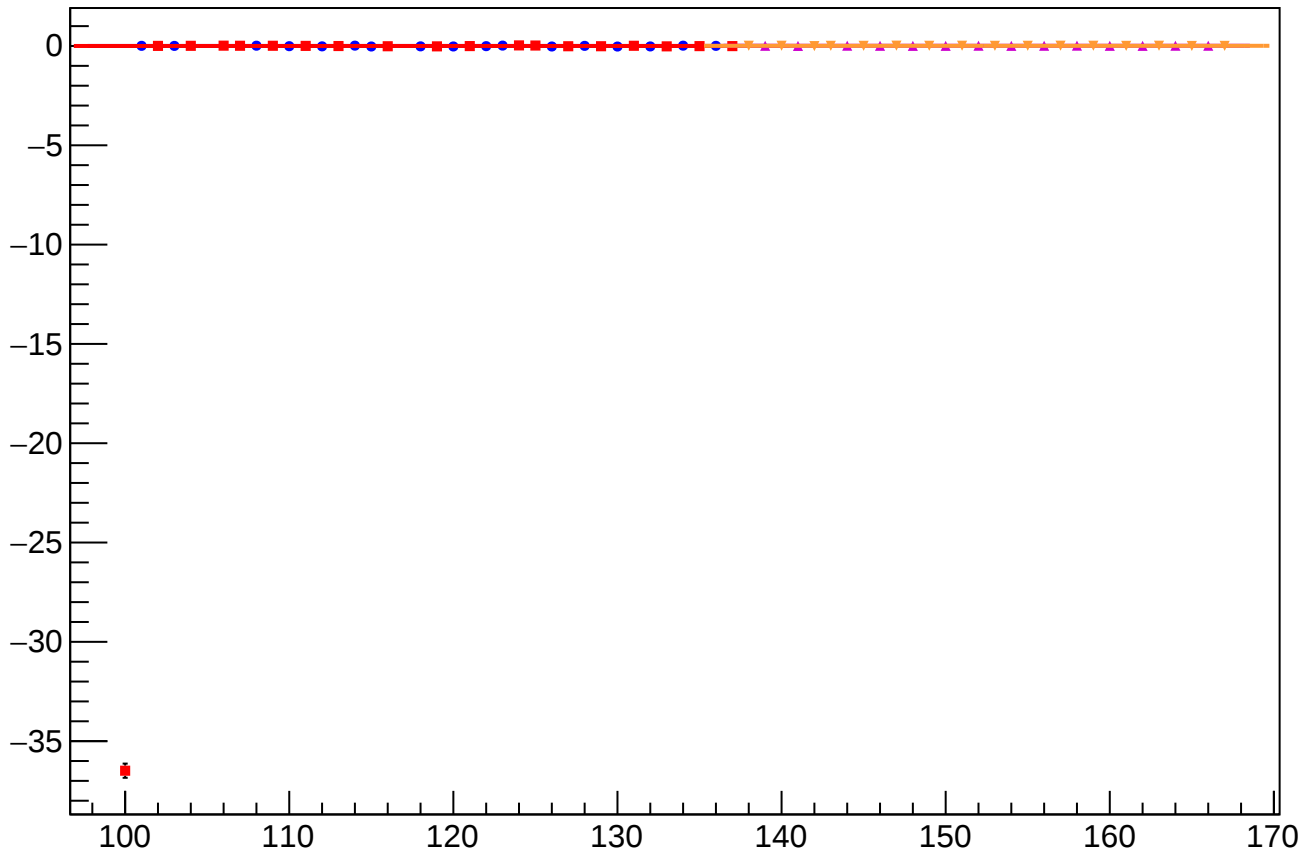
Left In: 0.149 ± 0.032 χ^2/NDF : 14.7/13

+ sign 0.044 ± 0.025 χ^2/NDF : 37.1/32

All: 0.093 ± 0.018 χ^2/NDF : 76.8/65

- sign 0.148 ± 0.026 χ^2/NDF : 31.3/32

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2/NDF : 30.6/16

Left Out: 0.010 $\pm$ 0.001 χ^2/NDF : 9.5/15

Right Out: 0.001 $\pm$ 0.002 χ^2/NDF : 10449.1/18

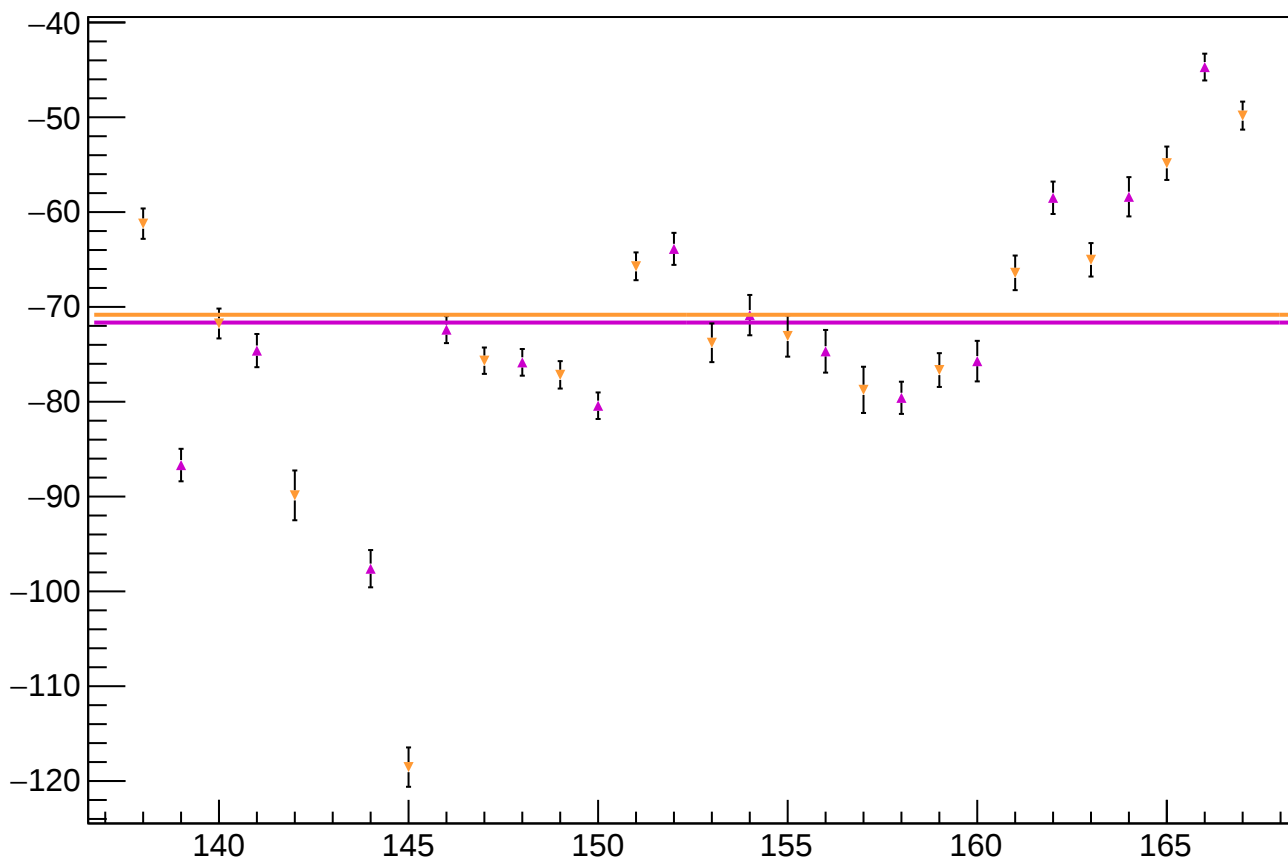
Left In: 0.011 $\pm$ 0.001 χ^2/NDF : 5.7/13

+ sign 0.007 $\pm$ 0.001 χ^2/NDF : 49.6/32

All: 0.008 $\pm$ 0.001 χ^2/NDF : 10518.3/65

- sign 0.008 $\pm$ 0.001 χ^2/NDF : 10468.5/32

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

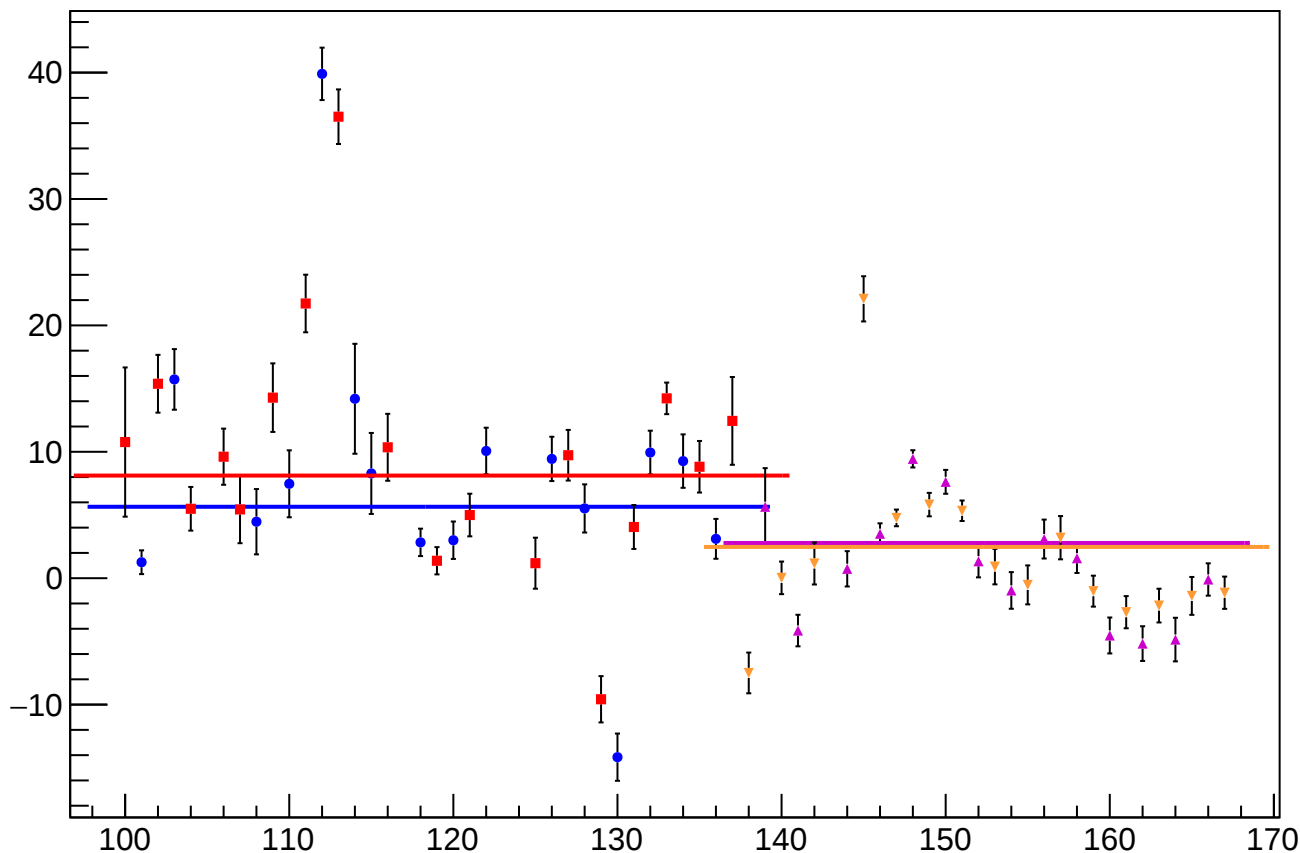
Left In: -71.651+/-0.454 χ^2/NDF : 815.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -71.234+/-0.319 χ^2/NDF : 1803.5/28

- 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

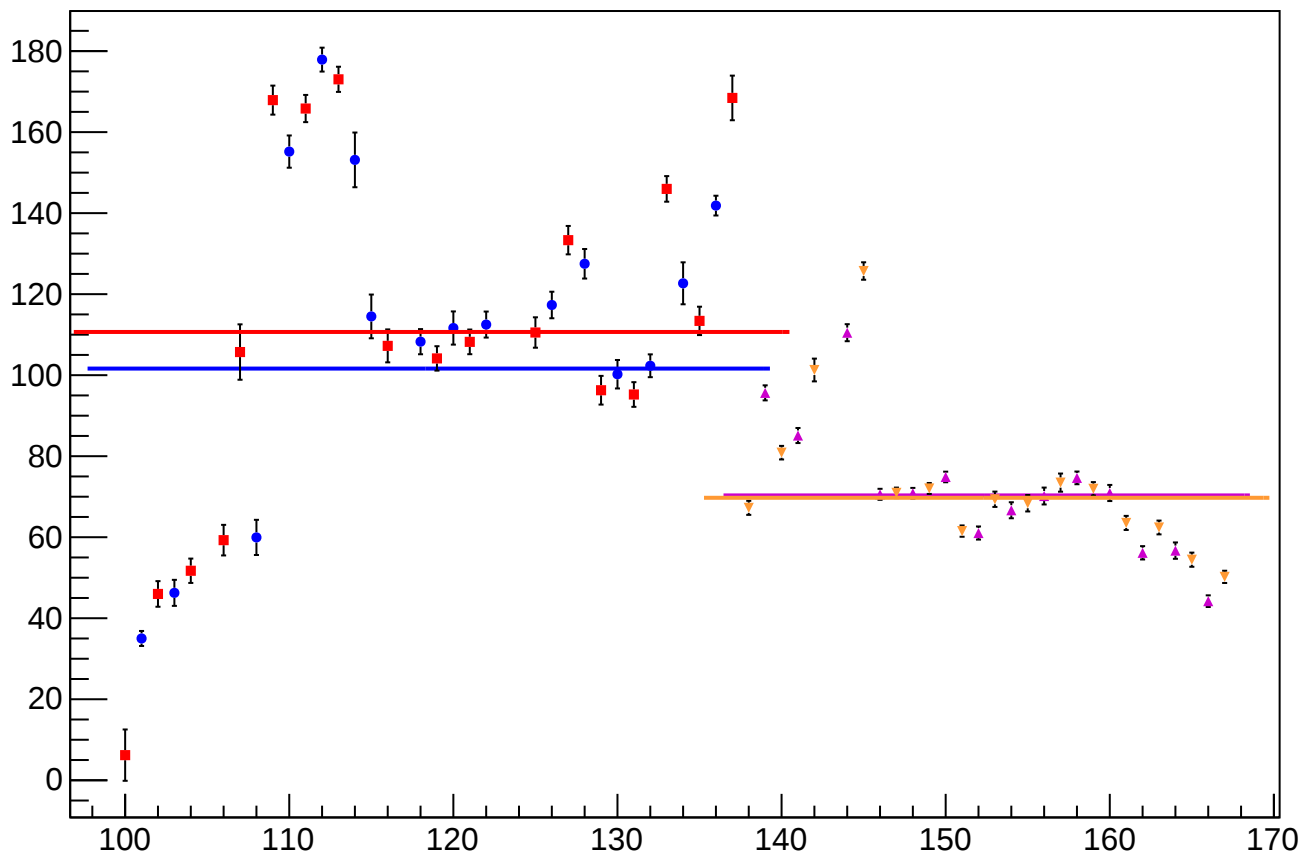
Left In: 2.786 ± 0.313 χ^2/NDF : 250.0/13

+ sign 3.535 ± 0.248 χ^2/NDF : 755.7/30

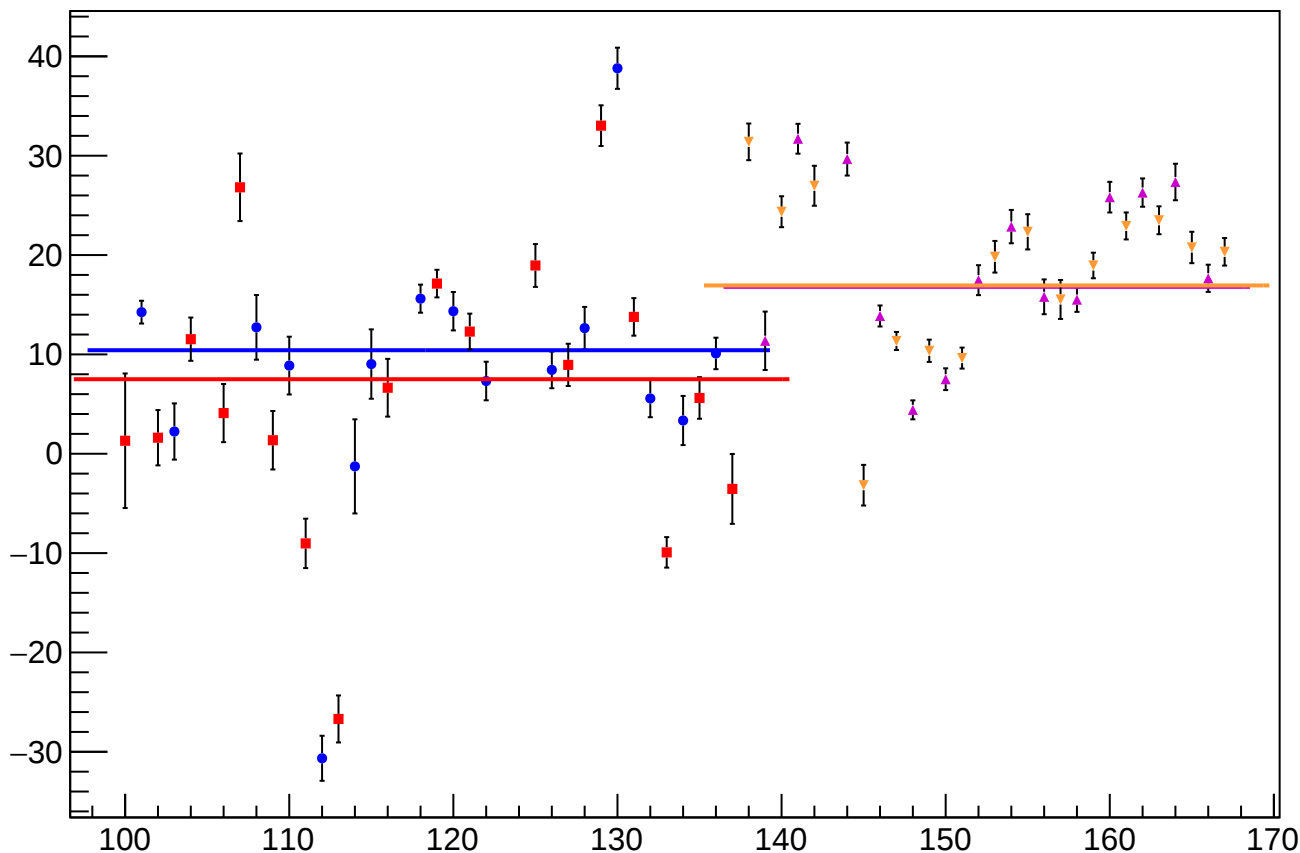
All: 4.005 ± 0.179 χ^2/NDF : 1515.0/62

- sign 4.511 ± 0.257 χ^2/NDF : 751.9/31

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 16.940 $\pm$ 0.362 χ^2 /NDF: 394.4/14

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

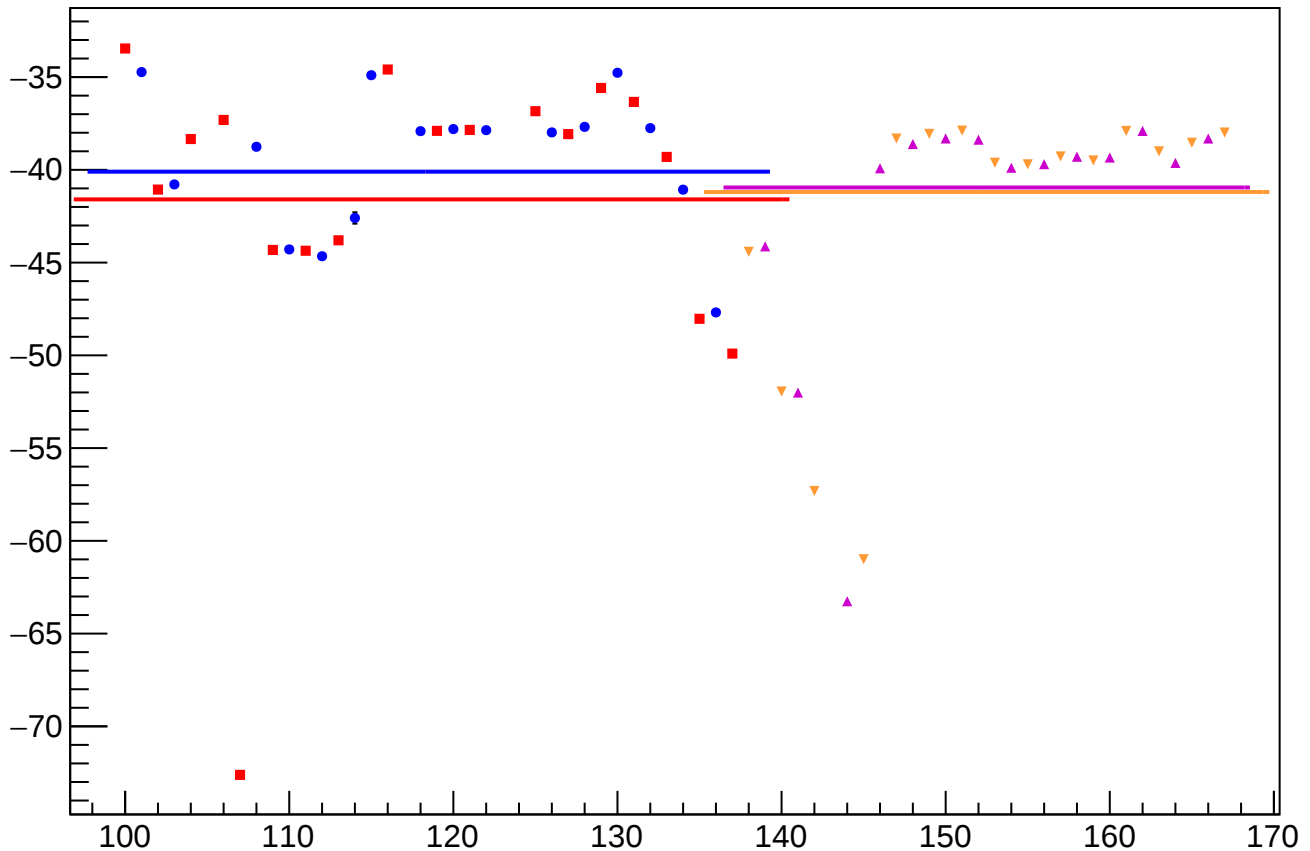
Left In: 16.799 $\pm$ 0.371 χ^2 /NDF: 536.9/13

+ sign 14.685 $\pm$ 0.293 χ^2 /NDF: 1086.6/30

All: 14.204 $\pm$ 0.210 χ^2 /NDF: 2528.6/62

- sign 13.691 $\pm$ 0.303 χ^2 /NDF: 1436.4/31

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -41.194 ± 0.018 χ^2/NDF : 116134.7/14

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

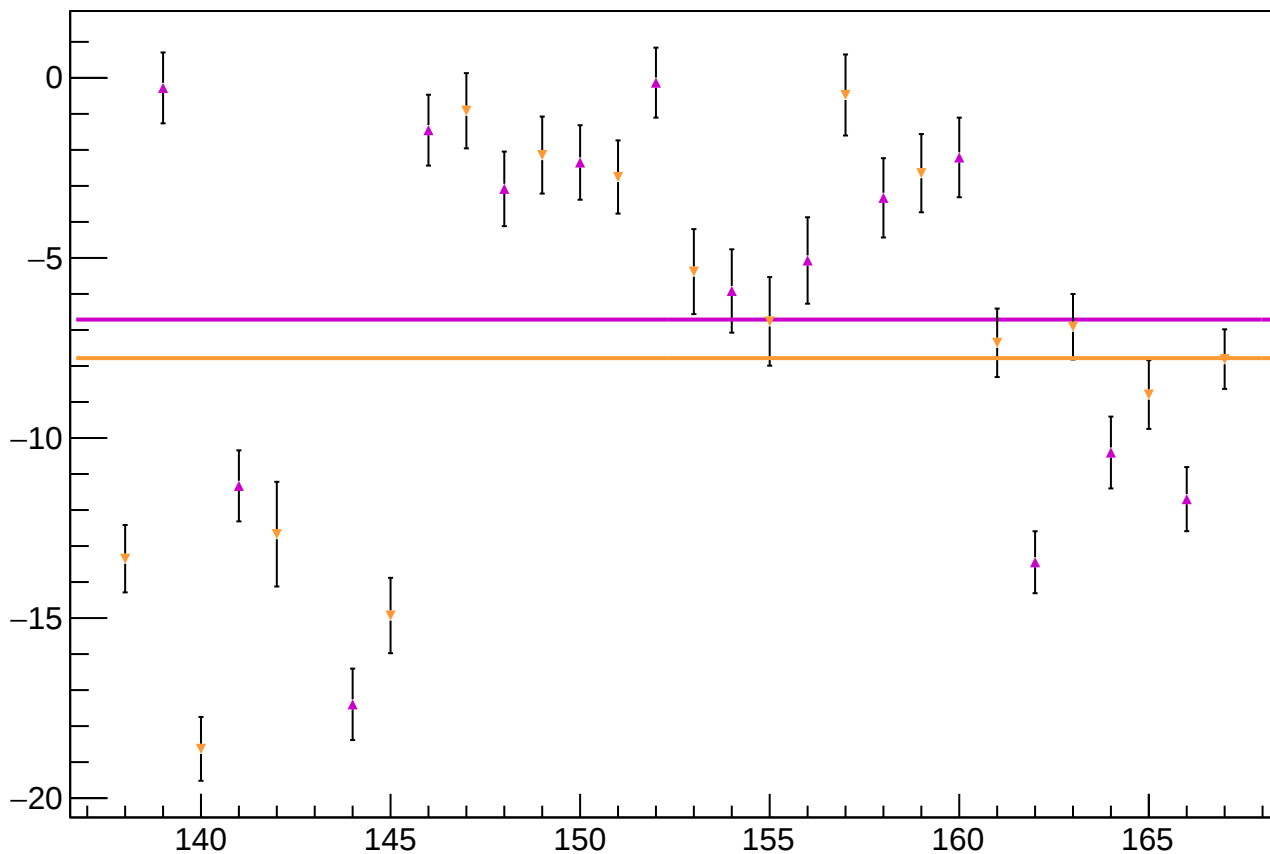
Left In: -40.951 ± 0.018 χ^2/NDF : 94364.1/13

+ sign -40.889 ± 0.015 χ^2/NDF : 142289.5/30

All: -41.008 ± 0.011 χ^2/NDF : 298822.3/62

- sign -41.128 ± 0.015 χ^2/NDF : 156406.0/31

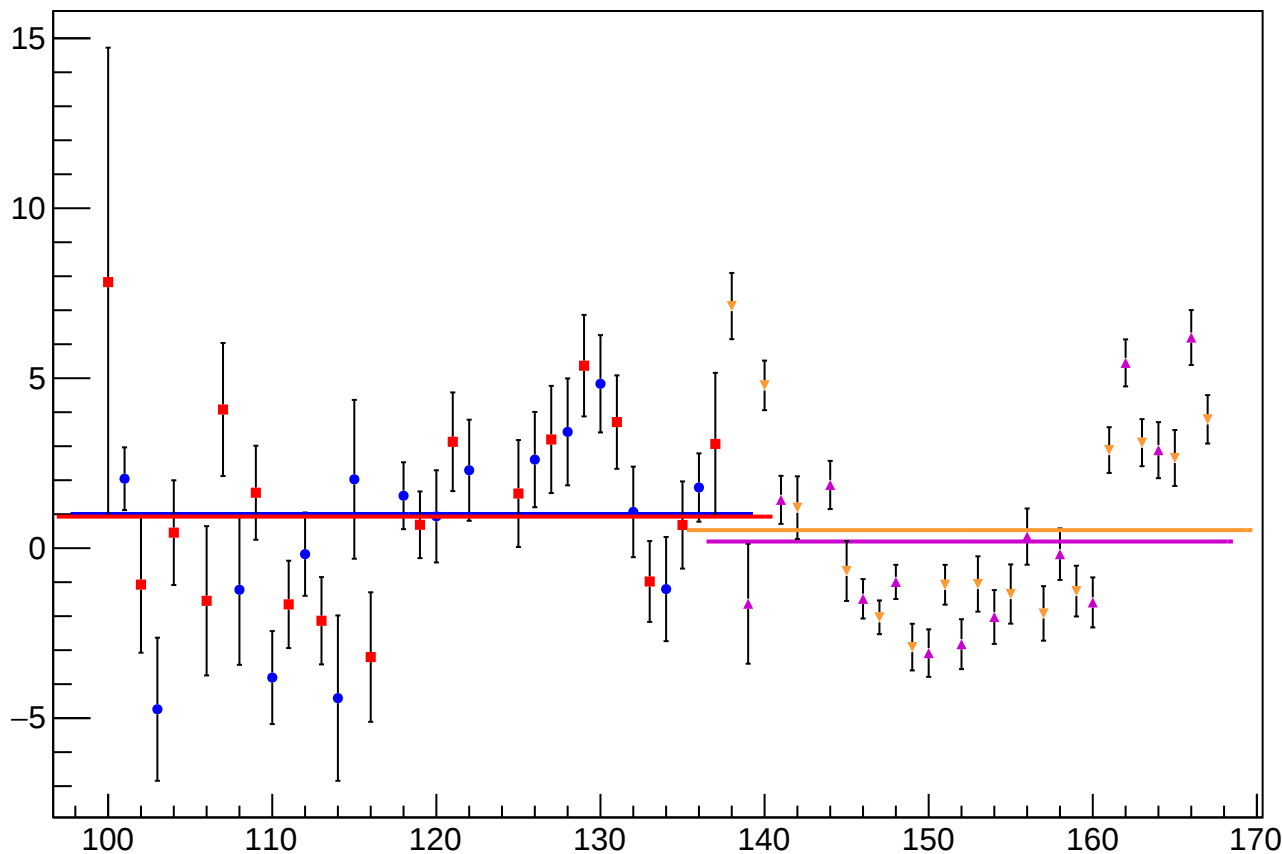
reg_asym_us_dd_diff_bpm1X_slope vs Slug



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: -6.711 $\pm$ 0.270 χ^2 /NDF: 420.0/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -7.260 $\pm$ 0.188 χ^2 /NDF: 838.4/28
 - 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 $\chi^2/\text{NDF}: 41.9/17$

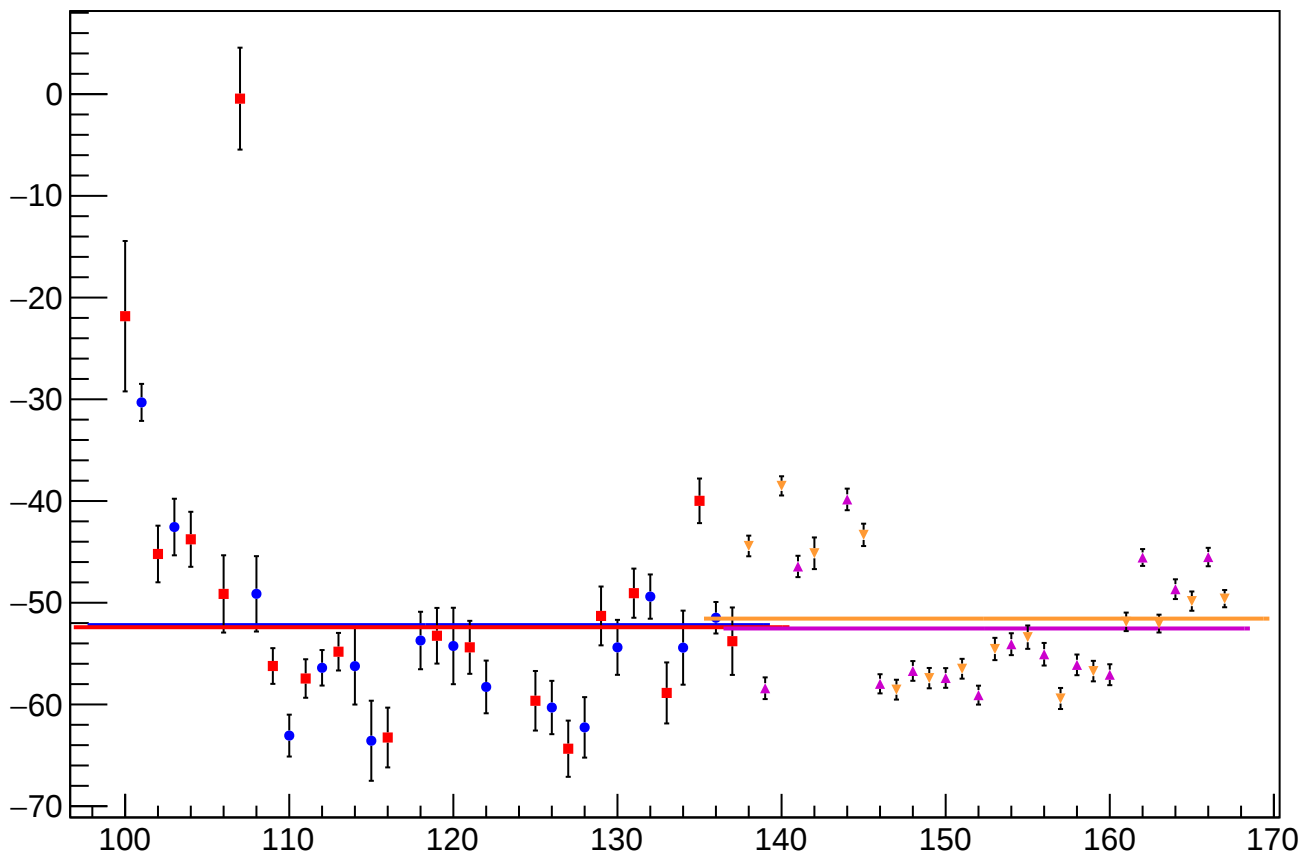
Left In: 0.196 ± 0.193 $\chi^2/\text{NDF}: 200.3/13$

+ sign 0.641 ± 0.164 $\chi^2/\text{NDF}: 263.1/30$

All: 0.507 ± 0.118 $\chi^2/\text{NDF}: 510.0/62$

- sign 0.364 ± 0.169 $\chi^2/\text{NDF}: 245.5/31$

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

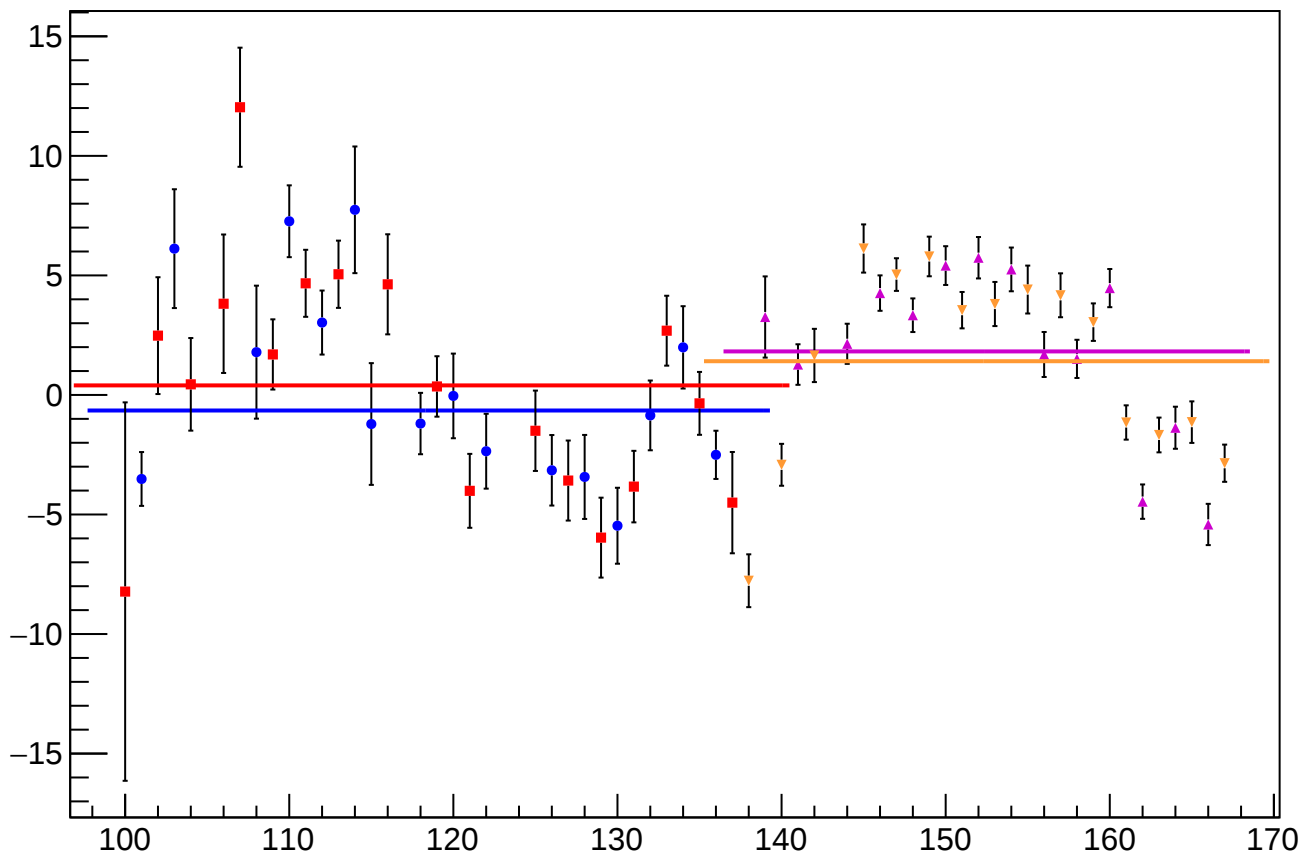
Left In: -52.531 ± 0.263 χ^2/NDF : 520.1/13

+ sign -51.657 ± 0.238 χ^2/NDF : 759.1/30

All: -52.077 ± 0.170 χ^2/NDF : 1519.4/62

- sign -52.512 ± 0.242 χ^2/NDF : 754.0/31

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

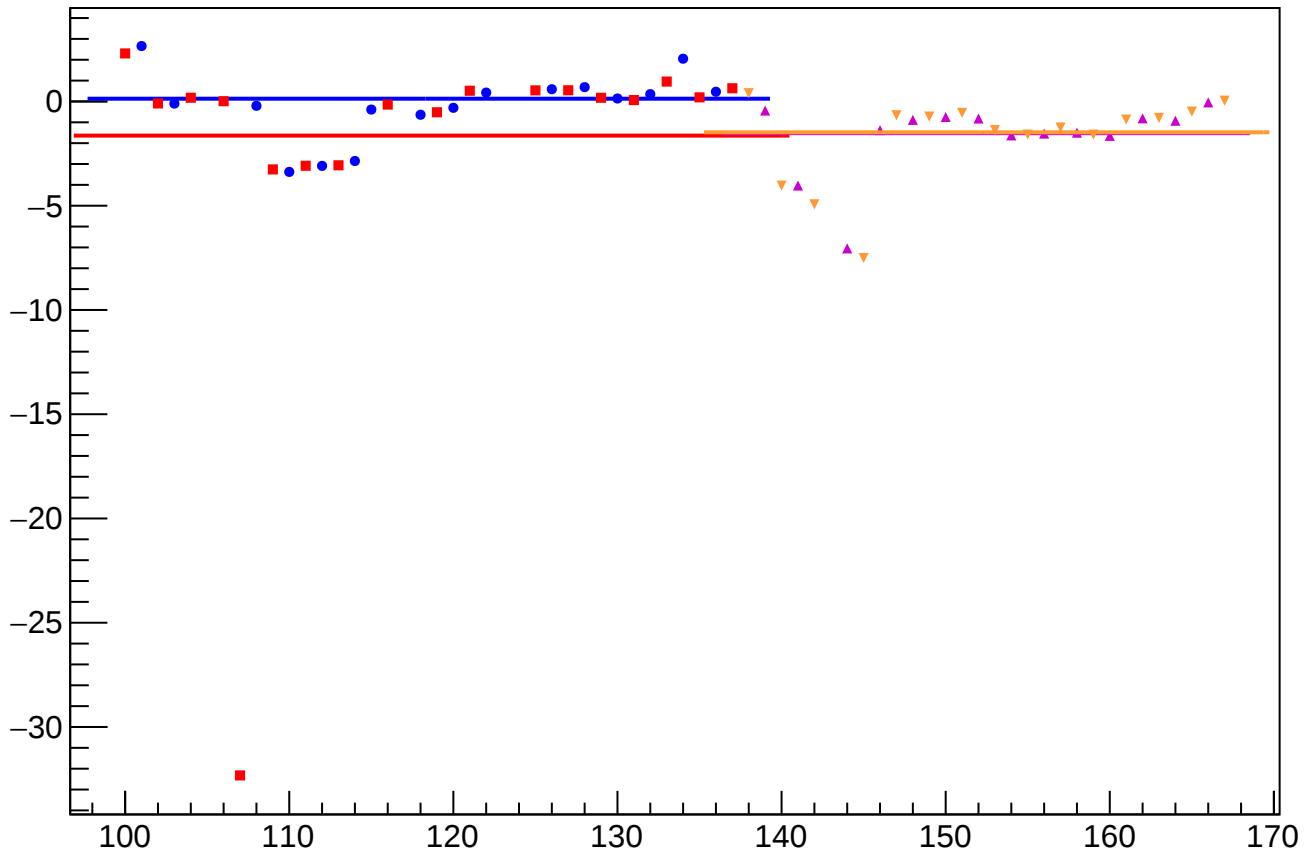
Left In: 1.821 ± 0.224 χ^2/NDF : 241.9/13

+ sign 0.914 ± 0.190 χ^2/NDF : 381.3/30

All: 1.189 ± 0.136 χ^2/NDF : 733.0/62

- sign 1.480 ± 0.196 χ^2/NDF : 347.4/31

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 $\chi^2/\text{NDF}: 77848.3/17$

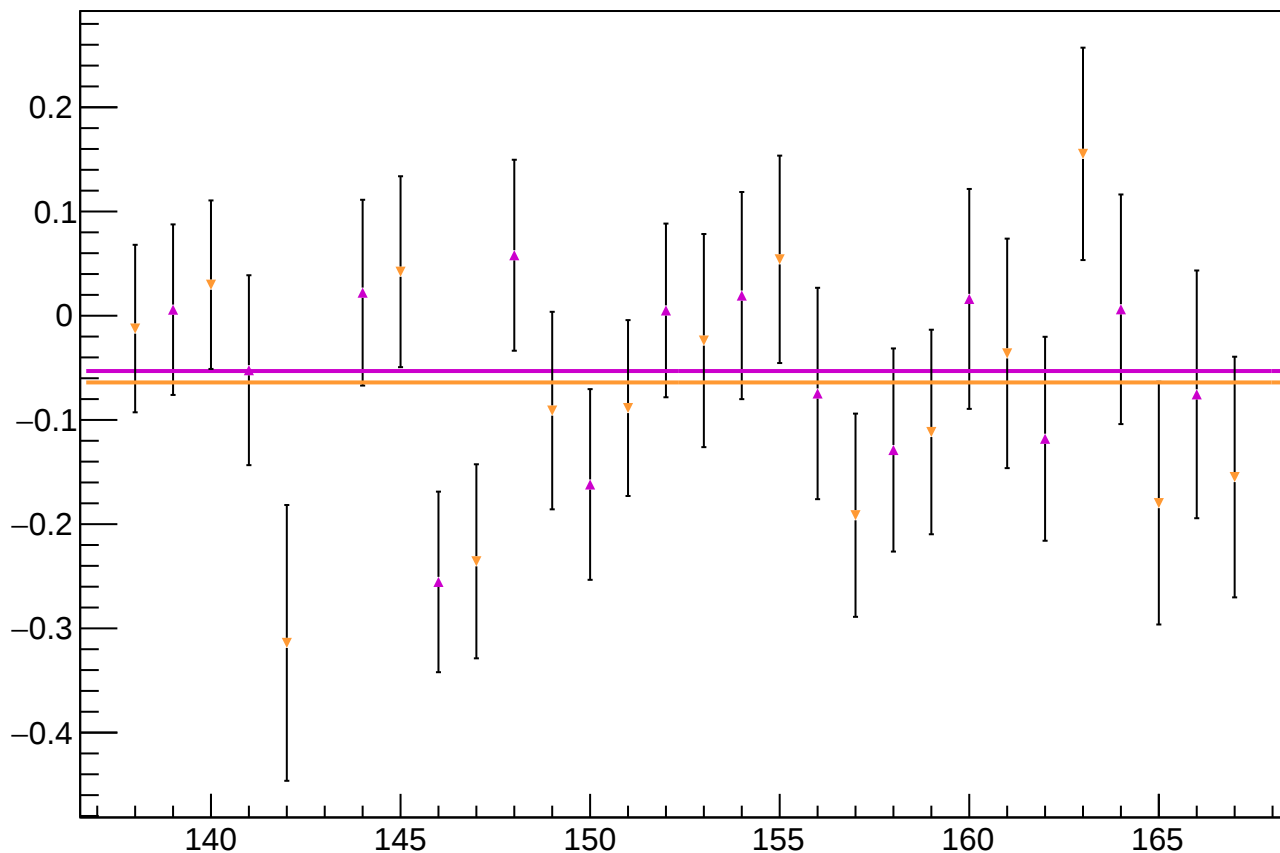
Left In: -1.522 ± 0.010 $\chi^2/\text{NDF}: 21605.5/13$

+ sign -1.185 ± 0.009 $\chi^2/\text{NDF}: 42957.5/30$

All: -1.361 ± 0.007 $\chi^2/\text{NDF}: 143175.7/62$

- sign -1.543 ± 0.009 $\chi^2/\text{NDF}: 99476.9/31$

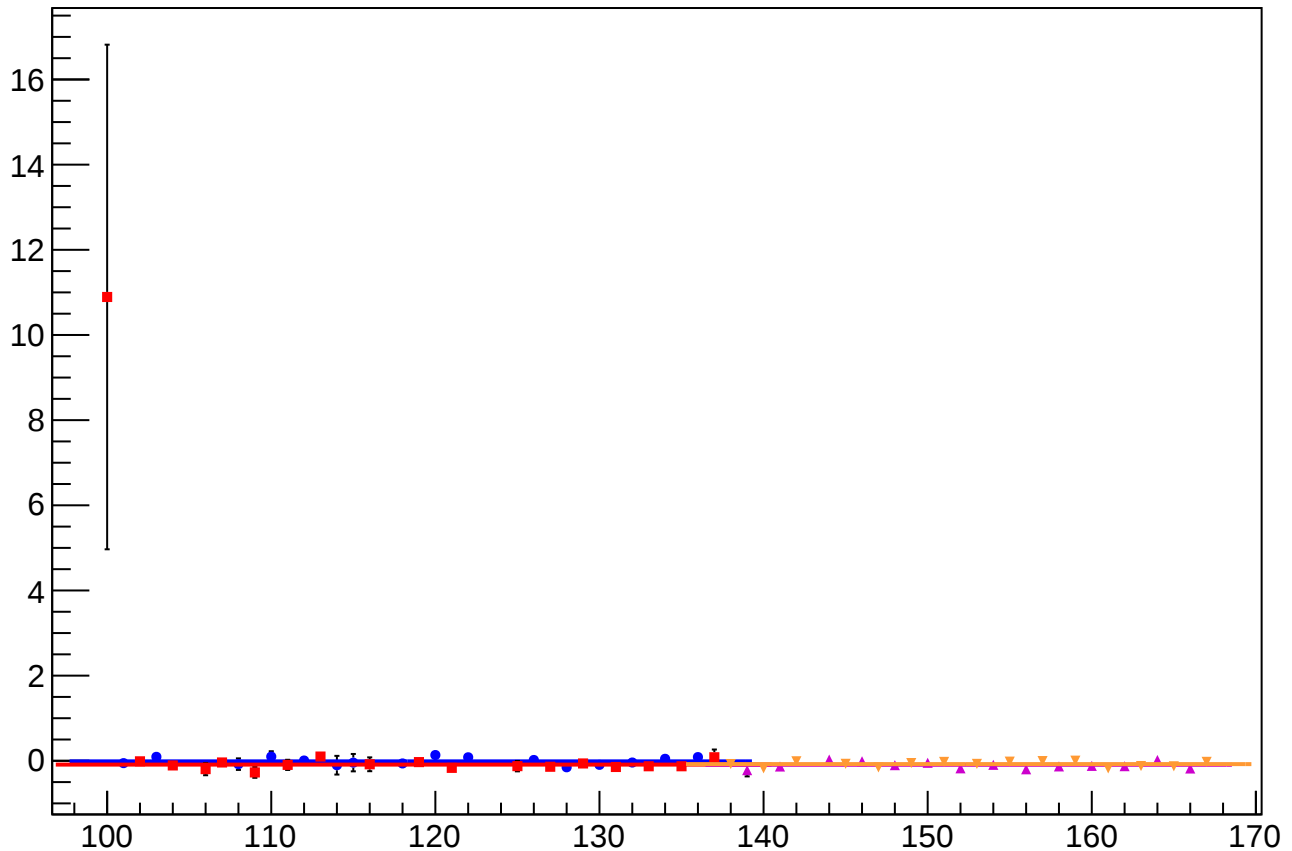
reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.064 $\pm$ 0.025 χ^2 /NDF: 20.0/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.053 $\pm$ 0.025 χ^2 /NDF: 12.4/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.059 $\pm$ 0.018 χ^2 /NDF: 32.6/28
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 $\chi^2/\text{NDF}: 11.7/15$

Left Out: -0.078 ± 0.018 $\chi^2/\text{NDF}: 13.0/14$

Right Out: -0.089 ± 0.025 $\chi^2/\text{NDF}: 13.0/17$

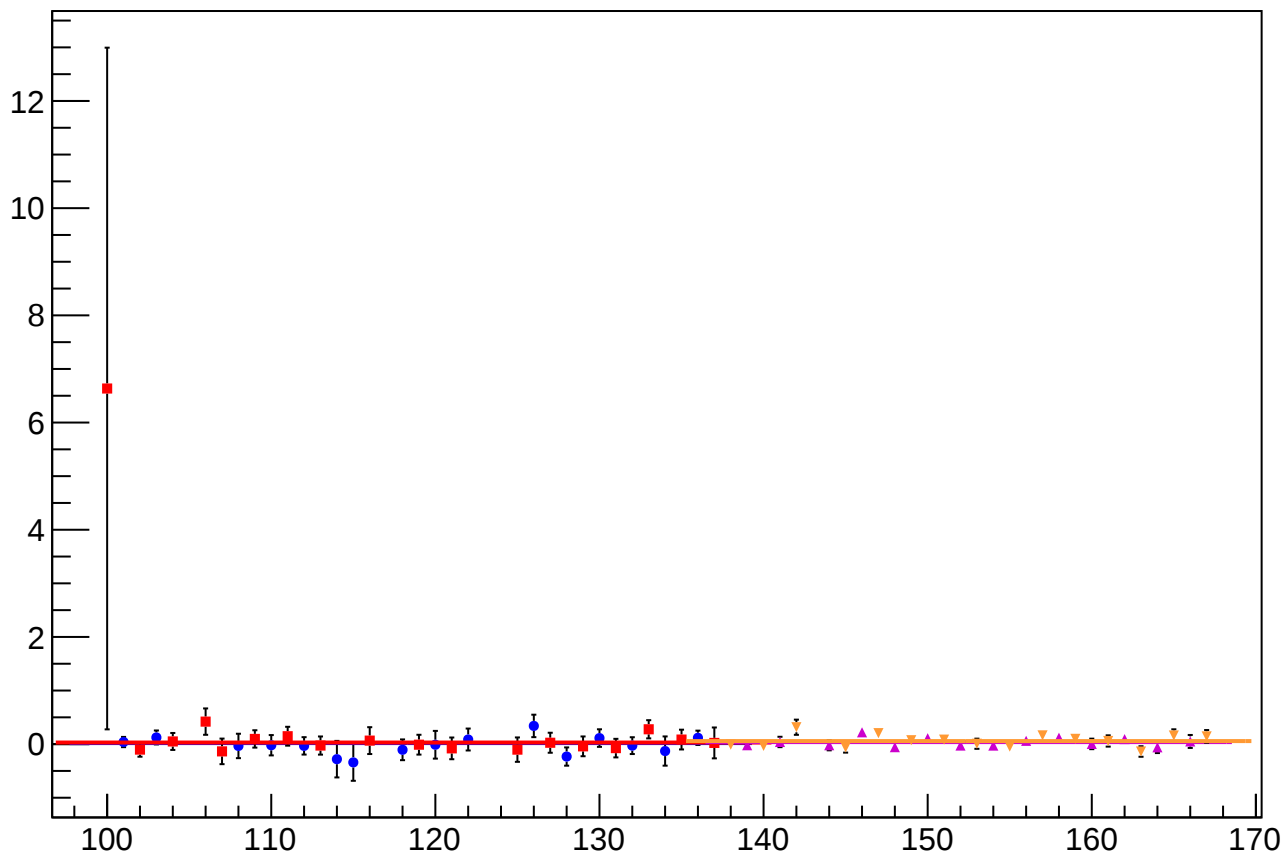
Left In: -0.094 ± 0.018 $\chi^2/\text{NDF}: 14.8/13$

+ sign -0.055 ± 0.014 $\chi^2/\text{NDF}: 29.5/30$

All: -0.073 ± 0.010 $\chi^2/\text{NDF}: 60.8/62$

- sign -0.092 ± 0.014 $\chi^2/\text{NDF}: 27.8/31$

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 ± 0.043 χ^2/NDF : 9.1/15

Left Out: 0.057 ± 0.025 χ^2/NDF : 18.0/14

Right Out: 0.030 ± 0.045 χ^2/NDF : 9.2/17

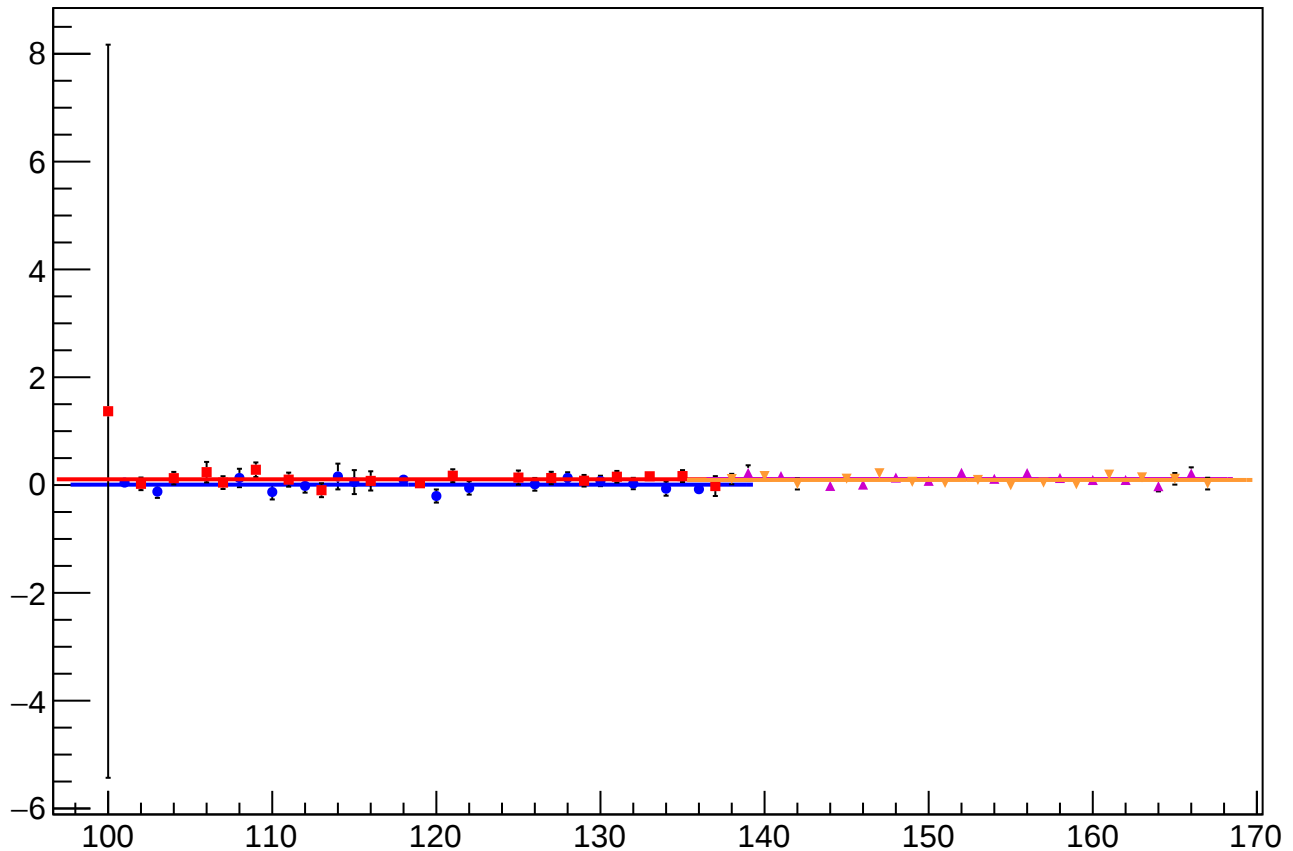
Left In: 0.038 ± 0.025 χ^2/NDF : 10.9/13

+ sign 0.048 ± 0.021 χ^2/NDF : 27.6/30

All: 0.042 ± 0.015 χ^2/NDF : 48.0/62

- sign 0.036 ± 0.022 χ^2/NDF : 20.2/31

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

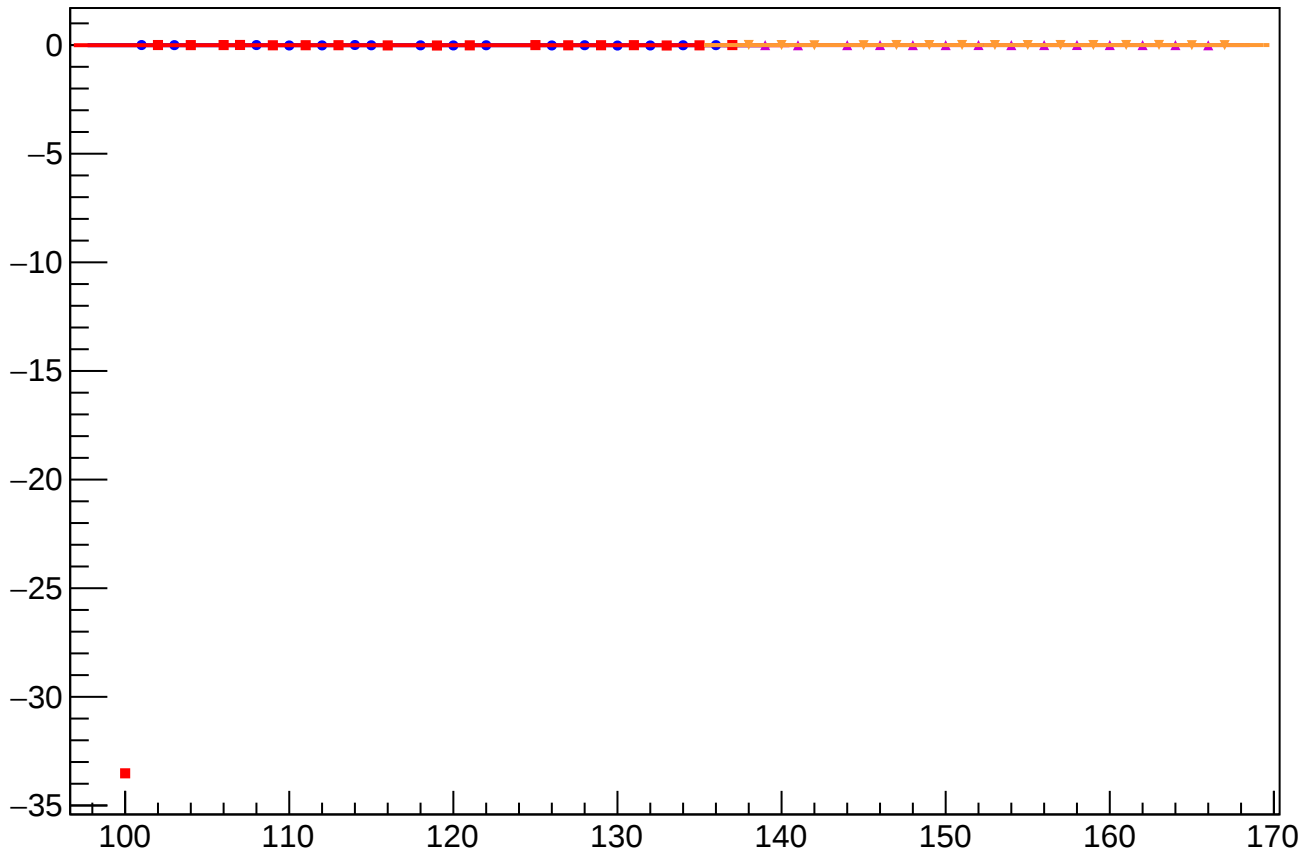
Left In: 0.112 +/- 0.021 χ^2/NDF : 14.0/13

+ sign 0.062 +/- 0.016 χ^2/NDF : 29.7/30

All: 0.086 +/- 0.012 χ^2/NDF : 56.0/62

- sign 0.110 +/- 0.017 χ^2/NDF : 22.2/31

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

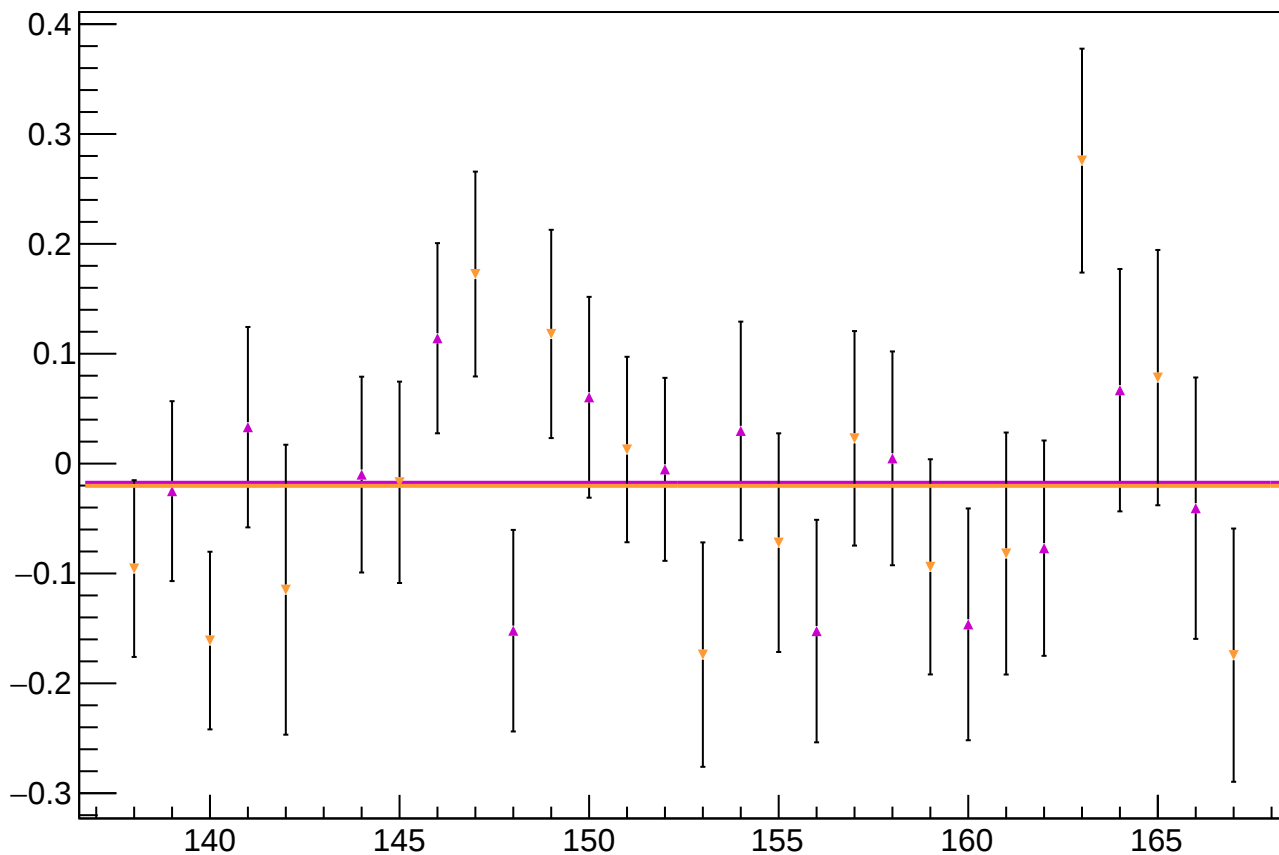
Left In: -0.000 ± 0.001 χ^2/NDF : 10.1/13

+ sign -0.001 ± 0.001 χ^2/NDF : 46.2/30

All: -0.001 ± 0.001 χ^2/NDF : 26576.5/62

- sign -0.002 ± 0.001 χ^2/NDF : 26529.6/31

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

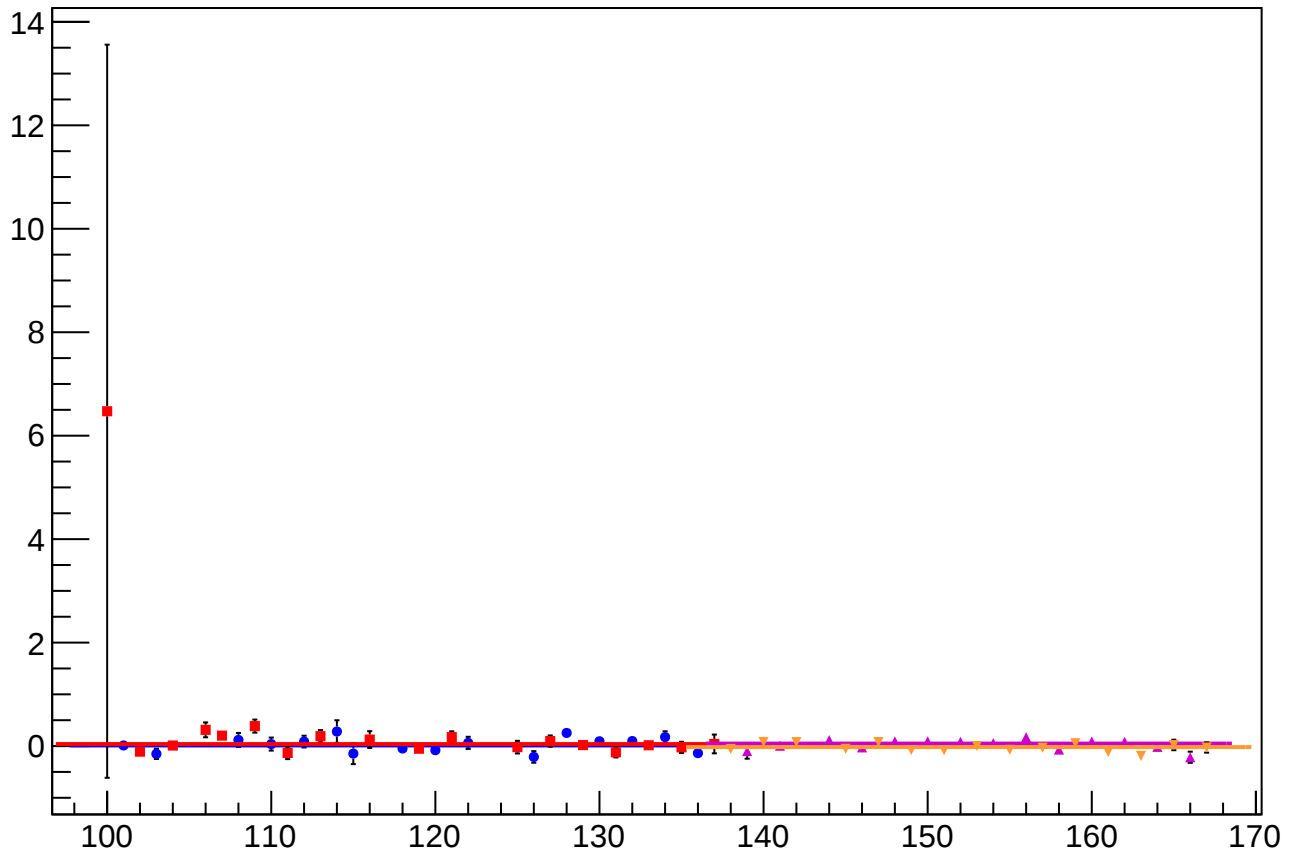
Left In: -0.017 $\pm$ 0.025 χ^2 /NDF: 10.1/13

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

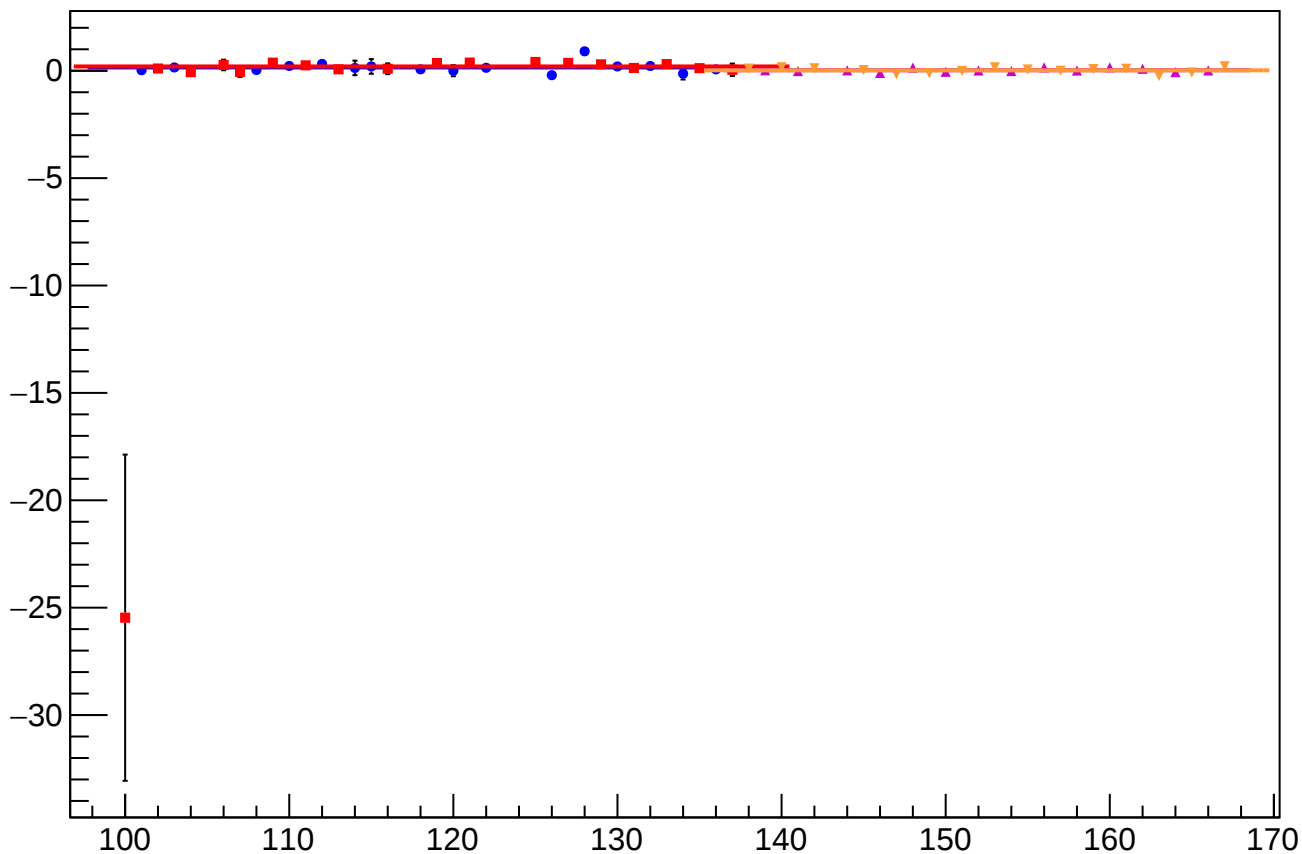
All: -0.019 $\pm$ 0.018 χ^2 /NDF: 35.6/28

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

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



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

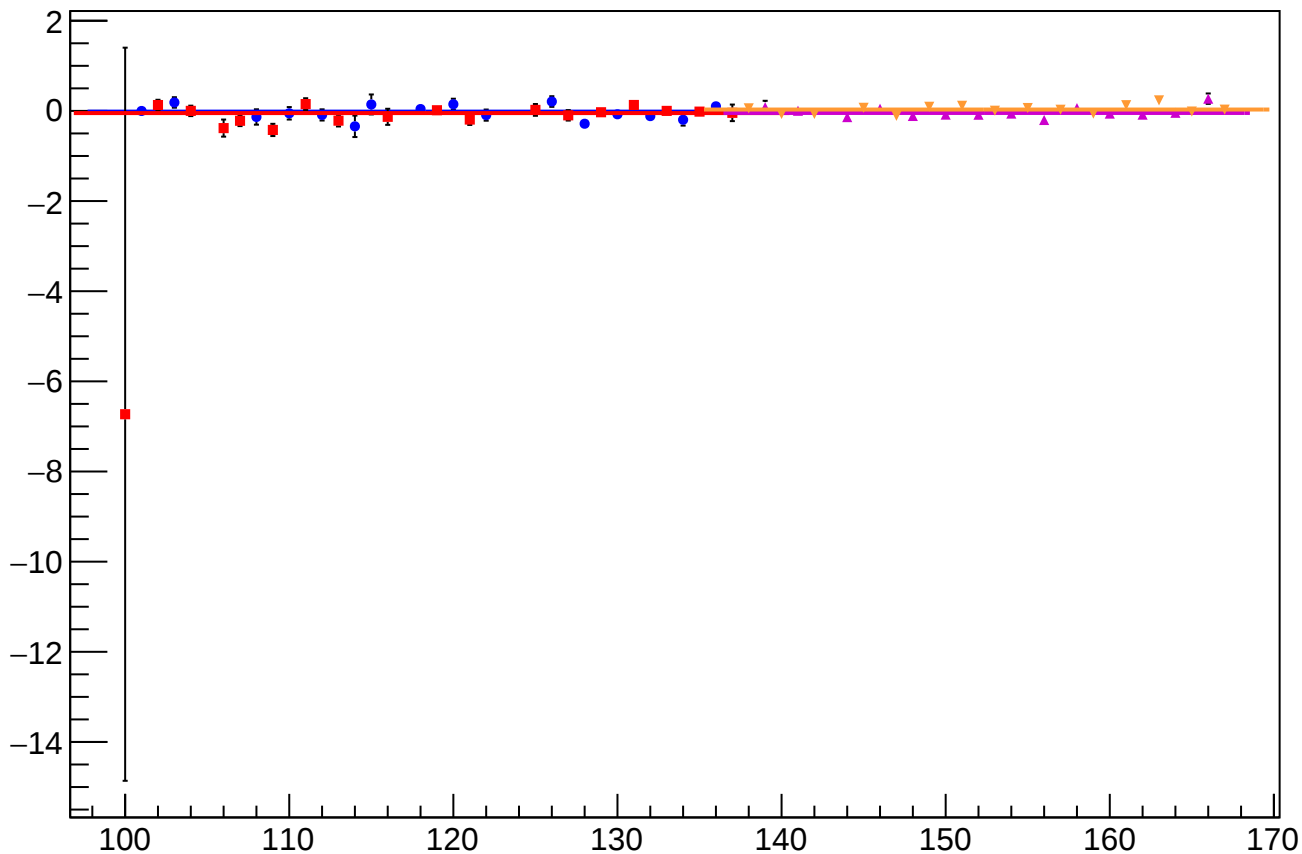
Left In: 0.027 $\pm$ 0.025 χ^2 /NDF: 10.6/13

+ sign 0.053 $\pm$ 0.021 χ^2 /NDF: 60.2/30

All: 0.060 $\pm$ 0.015 χ^2 /NDF: 105.1/62

- sign 0.067 $\pm$ 0.022 χ^2 /NDF: 44.7/31

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

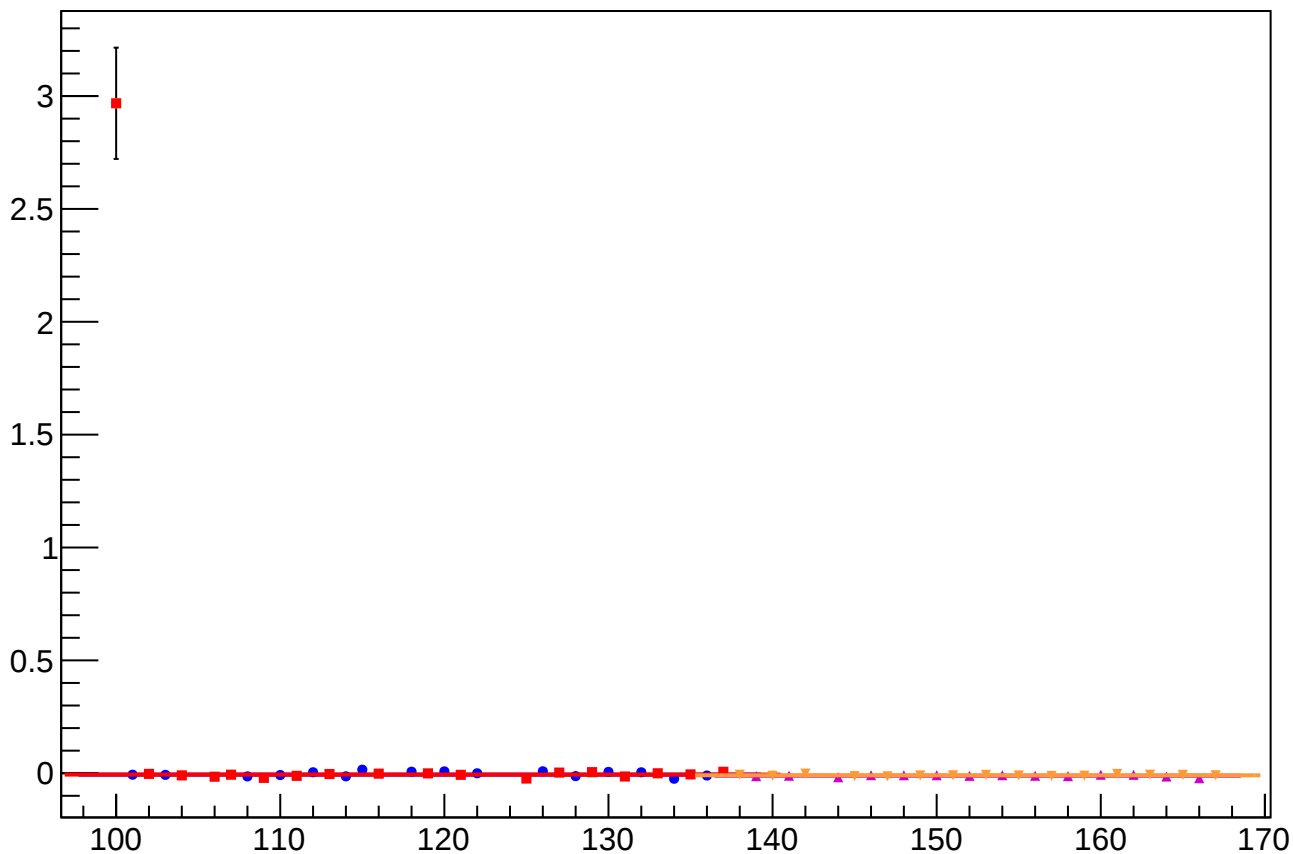
Left In: -0.046 ± 0.021 χ^2/NDF : 20.5/13

+ sign 0.013 ± 0.016 χ^2/NDF : 46.3/30

All: -0.016 ± 0.012 χ^2/NDF : 99.2/62

- sign -0.047 ± 0.017 χ^2/NDF : 46.4/31

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

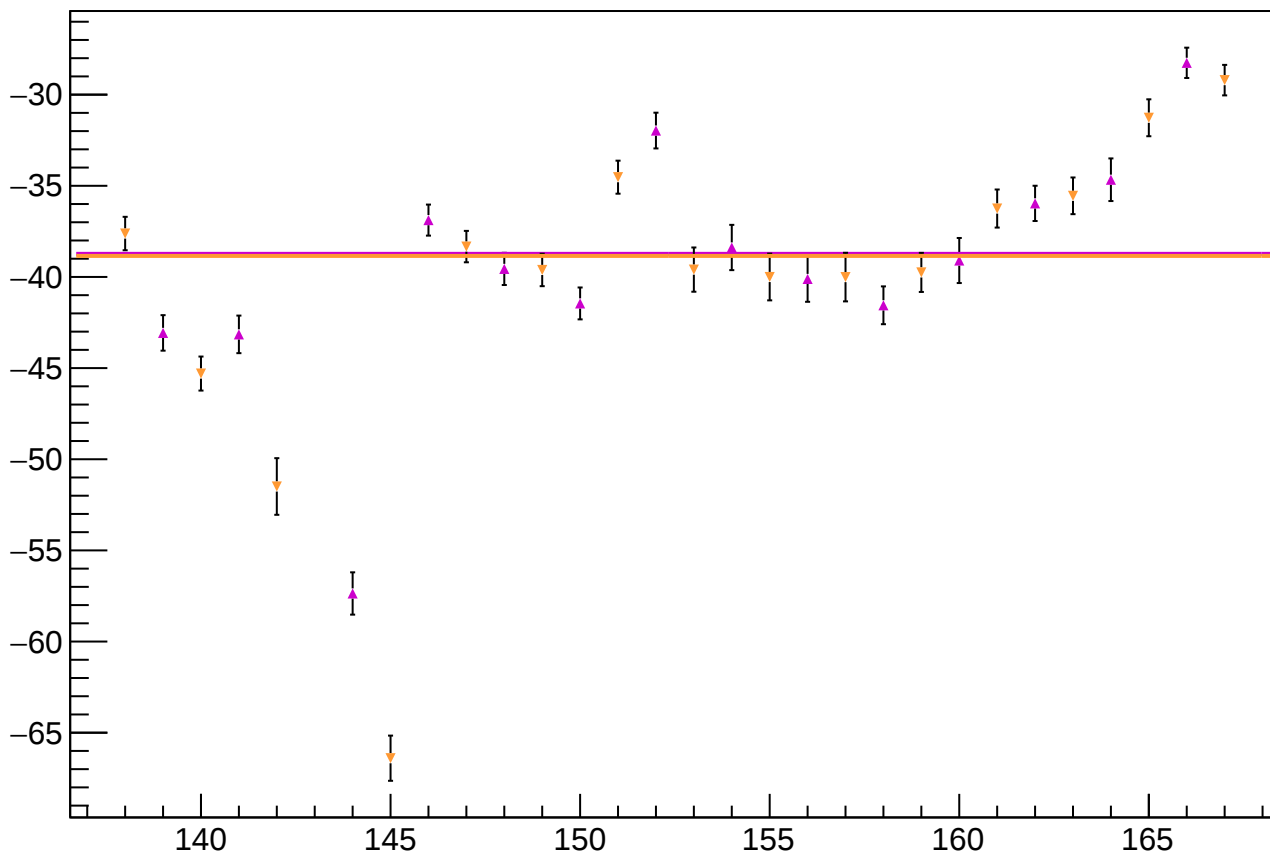
Left In: -0.011 ± 0.001 χ^2/NDF : 12.6/13

+ sign -0.008 ± 0.001 χ^2/NDF : 39.4/30

All: -0.009 ± 0.001 χ^2/NDF : 227.2/62

- sign -0.009 ± 0.001 χ^2/NDF : 186.6/31

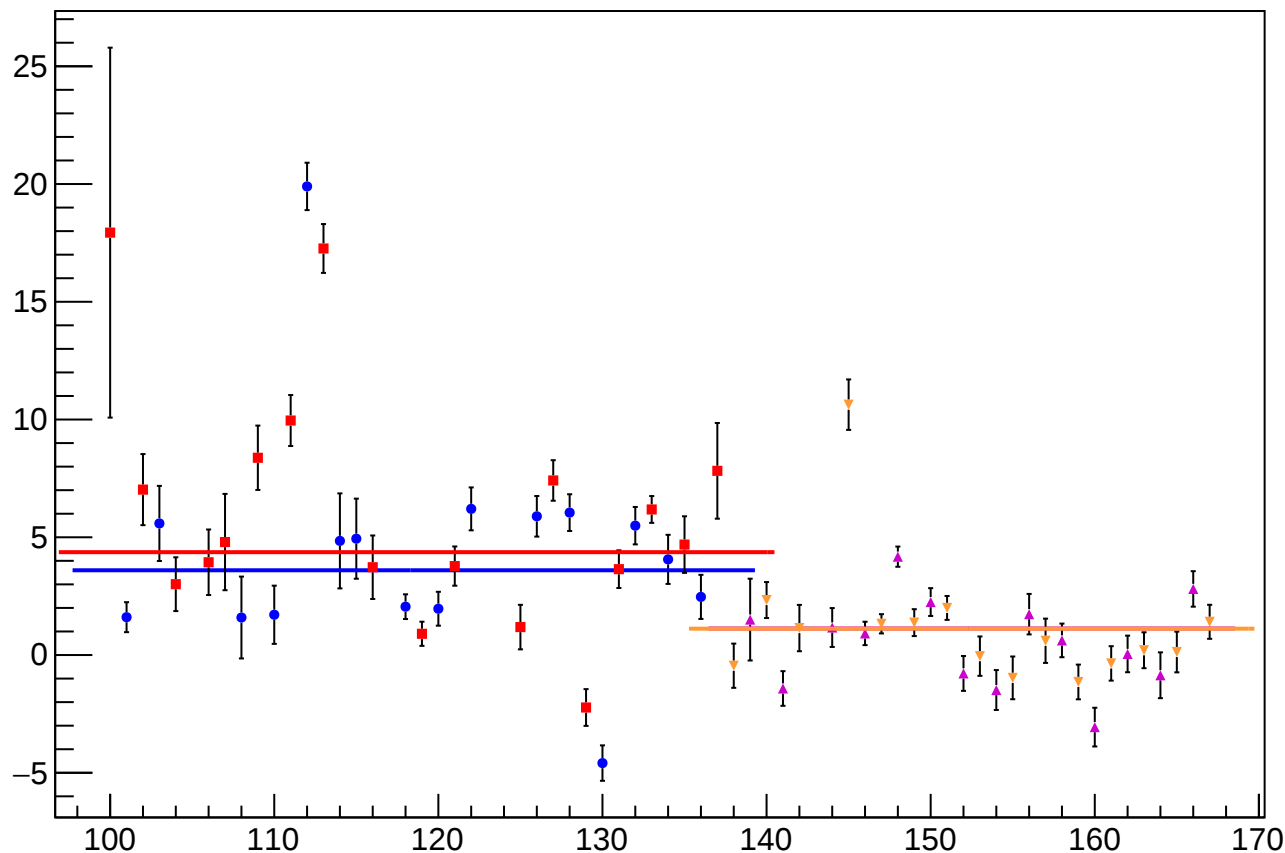
reg_asym_left_avg_diff_bpm1X_slope vs Slug



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: -38.733+/-0.269 χ^2/NDF : 546.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
All: -38.790+/-0.189 χ^2/NDF : 1389.0/28
- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 443.4/15$

Left Out: 1.119 ± 0.182 $\chi^2/\text{NDF}: 111.6/14$

Right Out: 4.367 ± 0.225 $\chi^2/\text{NDF}: 353.1/17$

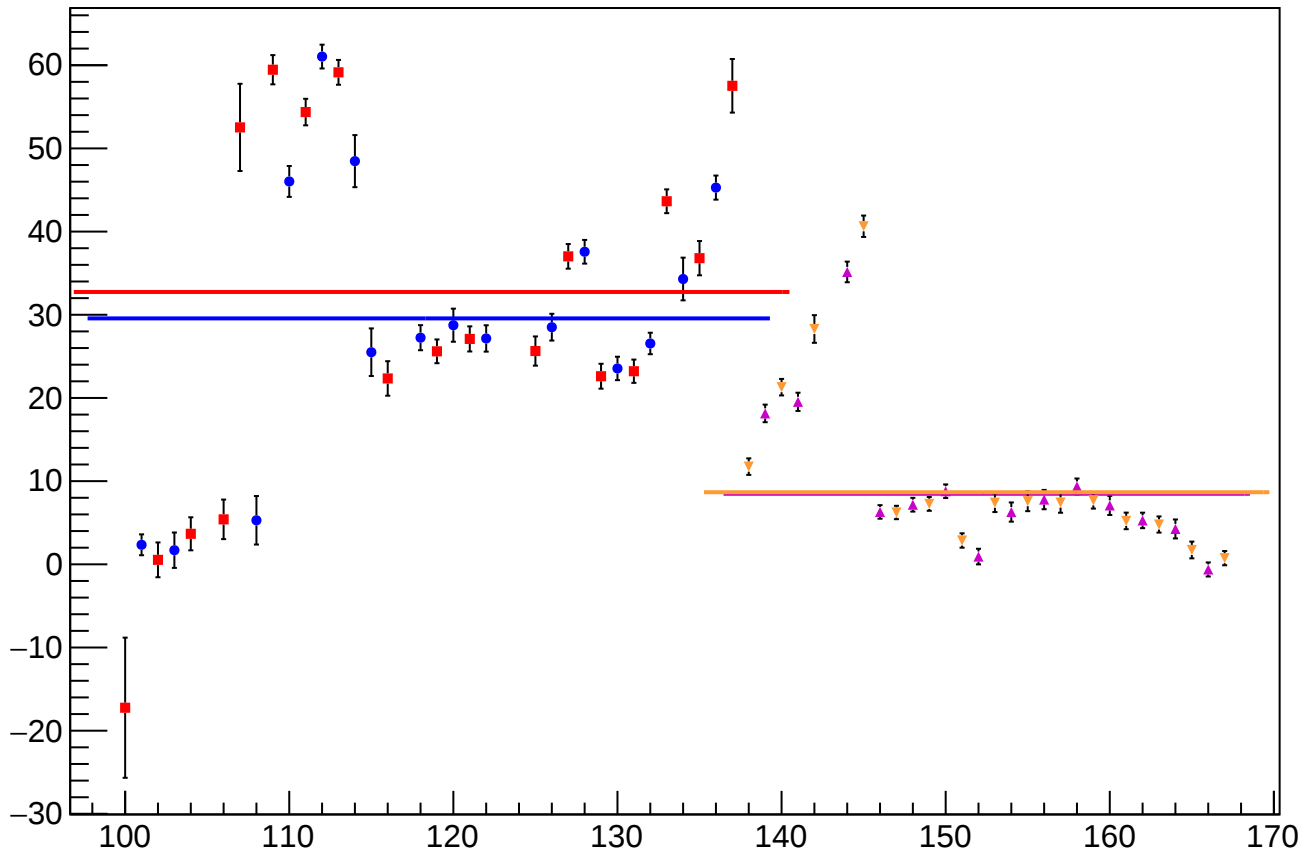
Left In: 1.127 ± 0.187 $\chi^2/\text{NDF}: 120.5/13$

+ sign 2.126 ± 0.140 $\chi^2/\text{NDF}: 630.3/30$

All: 2.286 ± 0.100 $\chi^2/\text{NDF}: 1229.2/62$

- sign 2.455 ± 0.144 $\chi^2/\text{NDF}: 596.2/31$

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

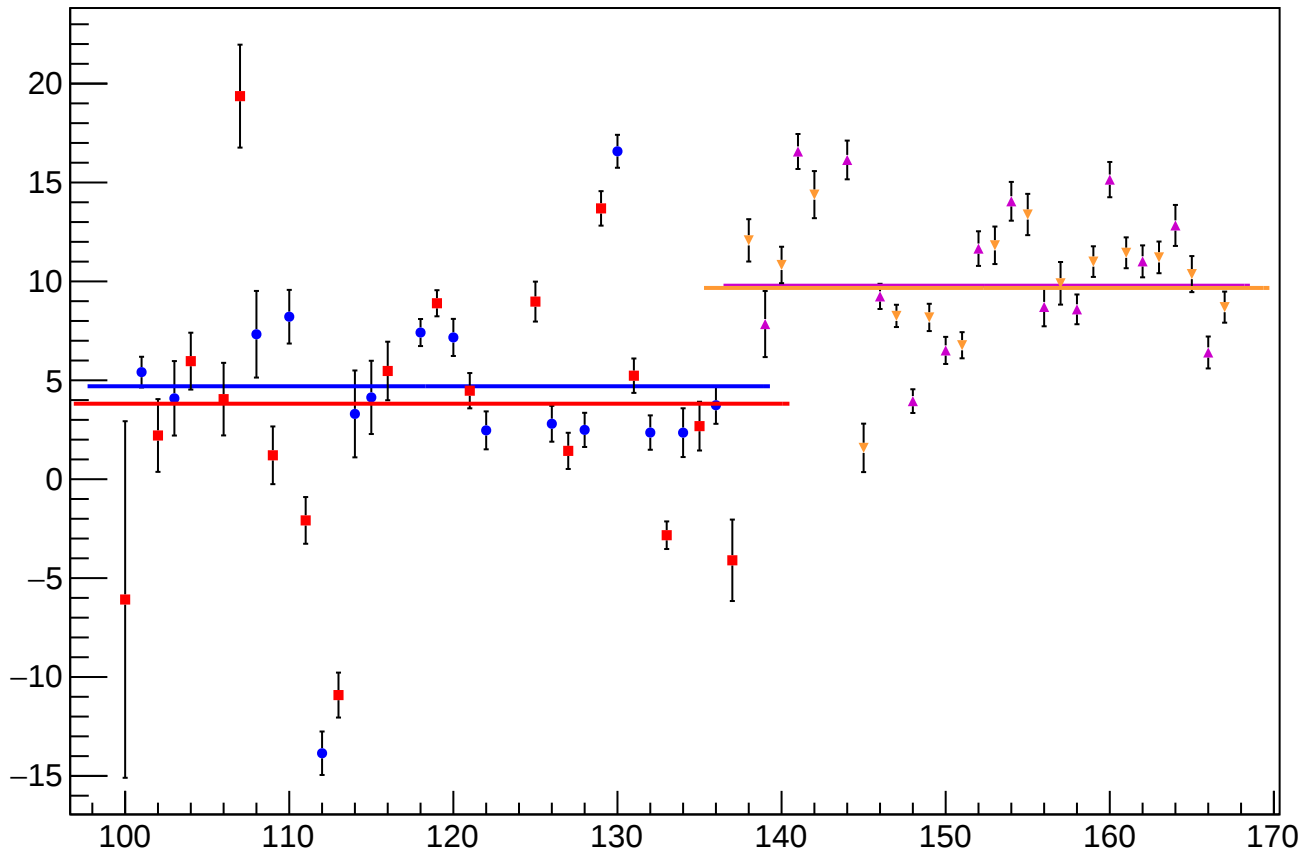
Left In: 8.479 $\pm$ 0.261 χ^2 /NDF: 869.2/13

+ sign 14.436 $\pm$ 0.220 χ^2 /NDF: 4441.0/30

All: 14.810 $\pm$ 0.157 χ^2 /NDF: 9362.0/62

- sign 15.191 $\pm$ 0.222 χ^2 /NDF: 4915.2/31

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 $\chi^2/\text{NDF}: 567.6/17$

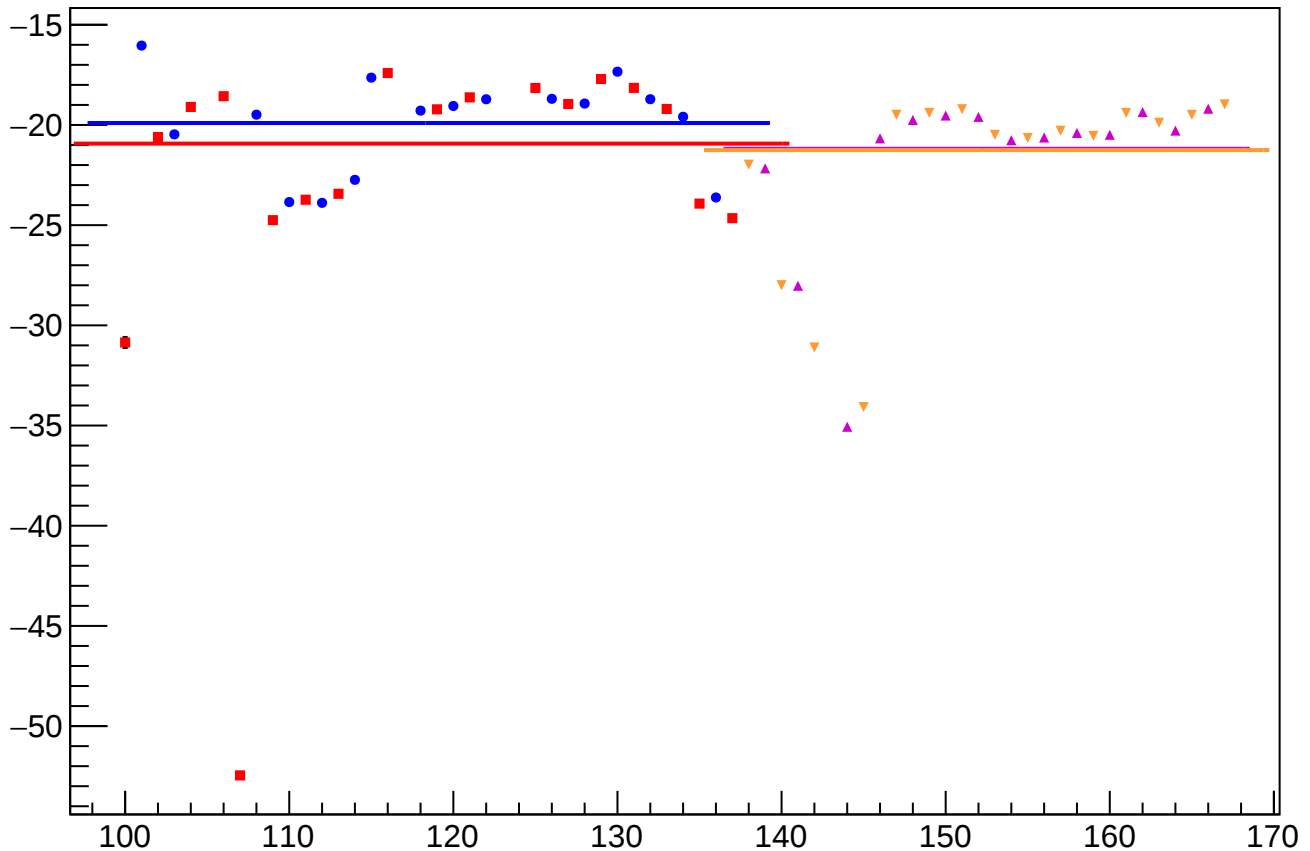
Left In: 9.783 ± 0.221 $\chi^2/\text{NDF}: 312.5/13$

+ sign 7.591 ± 0.164 $\chi^2/\text{NDF}: 899.6/30$

All: 7.431 ± 0.117 $\chi^2/\text{NDF}: 2089.5/62$

- sign 7.263 ± 0.168 $\chi^2/\text{NDF}: 1187.9/31$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -21.252 ± 0.010 $\chi^2/\text{NDF}: 128818.4/14$

Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

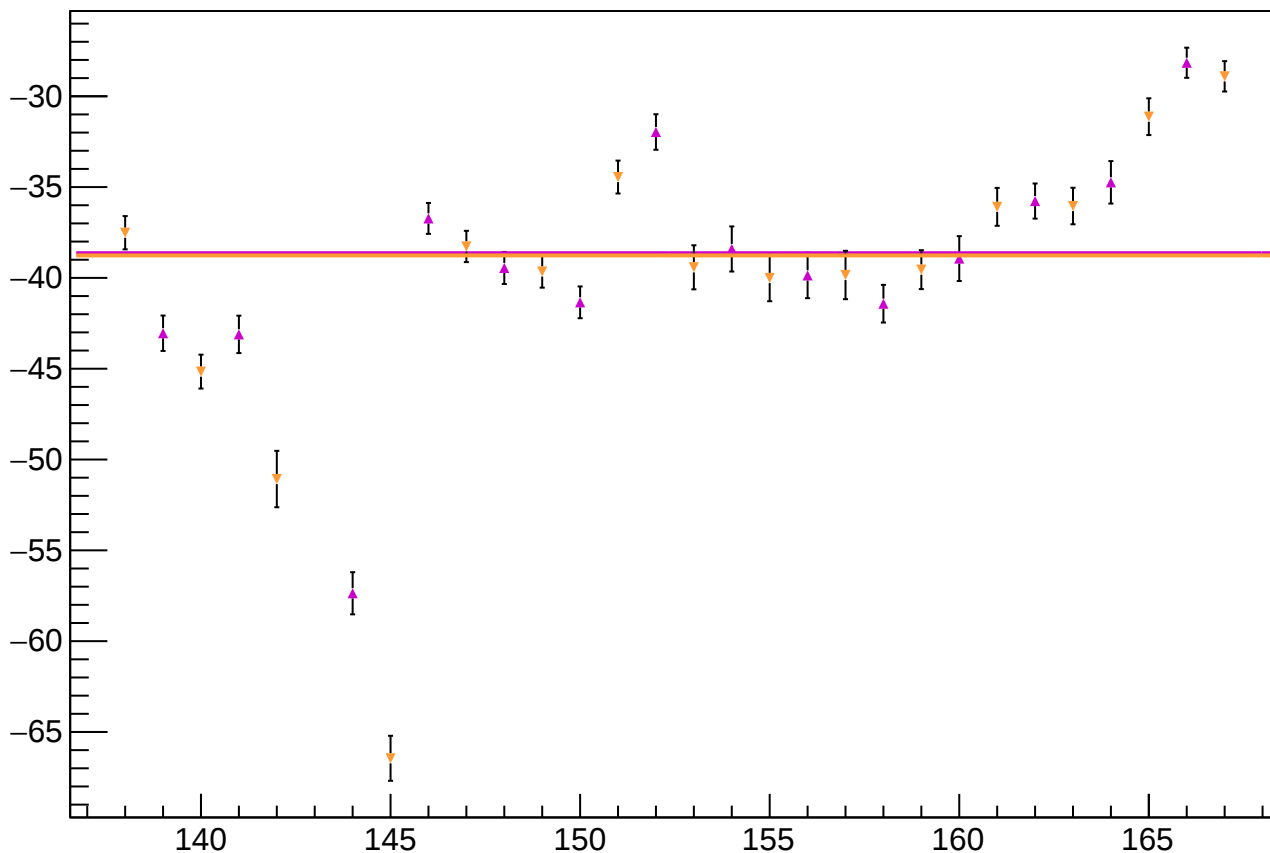
Left In: -21.189 ± 0.010 $\chi^2/\text{NDF}: 102136.0/13$

+ sign -20.842 ± 0.009 $\chi^2/\text{NDF}: 160053.6/30$

All: -20.975 ± 0.006 $\chi^2/\text{NDF}: 356864.3/62$

- sign -21.110 ± 0.009 $\chi^2/\text{NDF}: 196331.6/31$

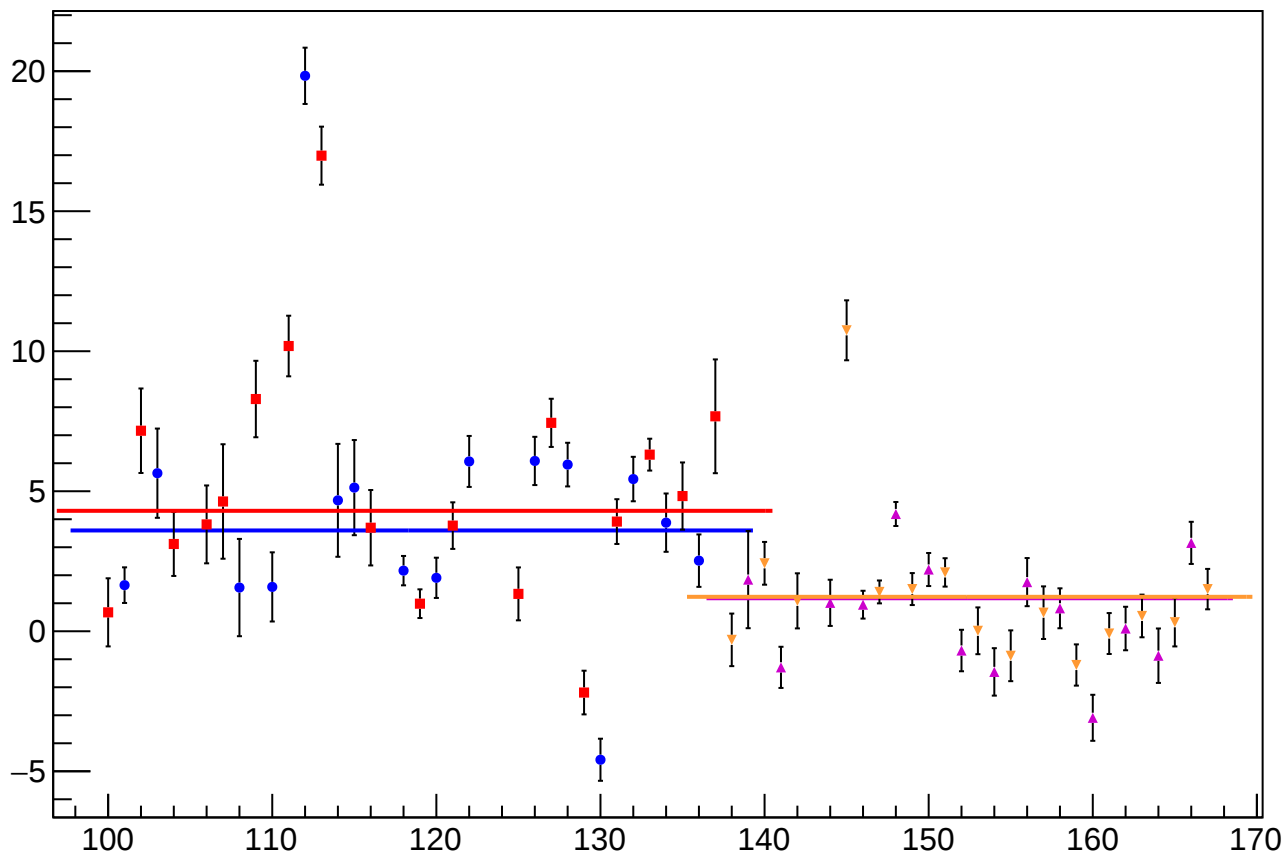
reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -38.762 $\pm$ 0.265 χ^2 /NDF:847.7/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -38.643 $\pm$ 0.268 χ^2 /NDF:549.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -38.703 $\pm$ 0.188 χ^2 /NDF: 1397.3/28
 - sign 0.000 $\pm$ 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 $\chi^2/\text{NDF}: 352.1/17$

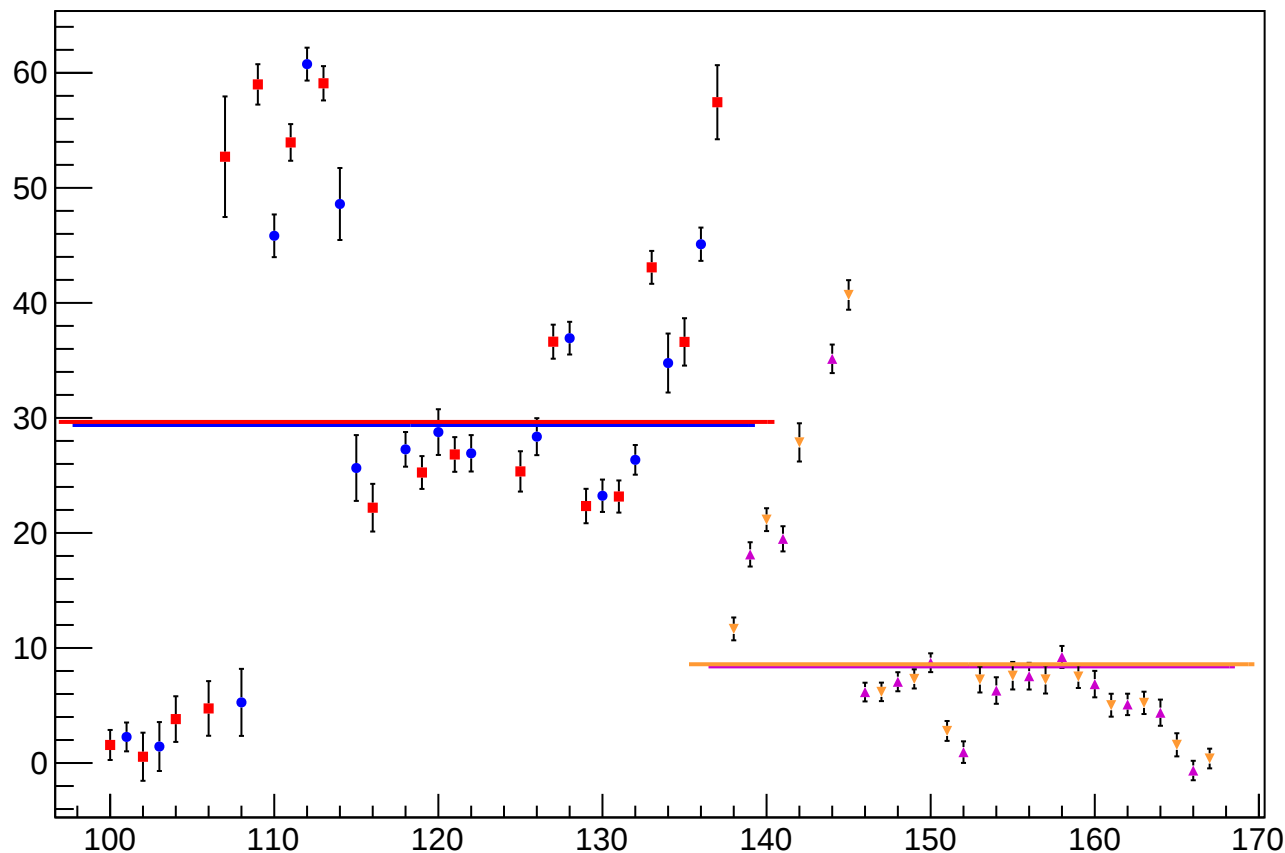
Left In: 1.179 ± 0.187 $\chi^2/\text{NDF}: 120.9/13$

+ sign 2.191 ± 0.140 $\chi^2/\text{NDF}: 620.7/30$

All: 2.335 ± 0.100 $\chi^2/\text{NDF}: 1212.1/62$

- sign 2.483 ± 0.143 $\chi^2/\text{NDF}: 589.2/31$

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

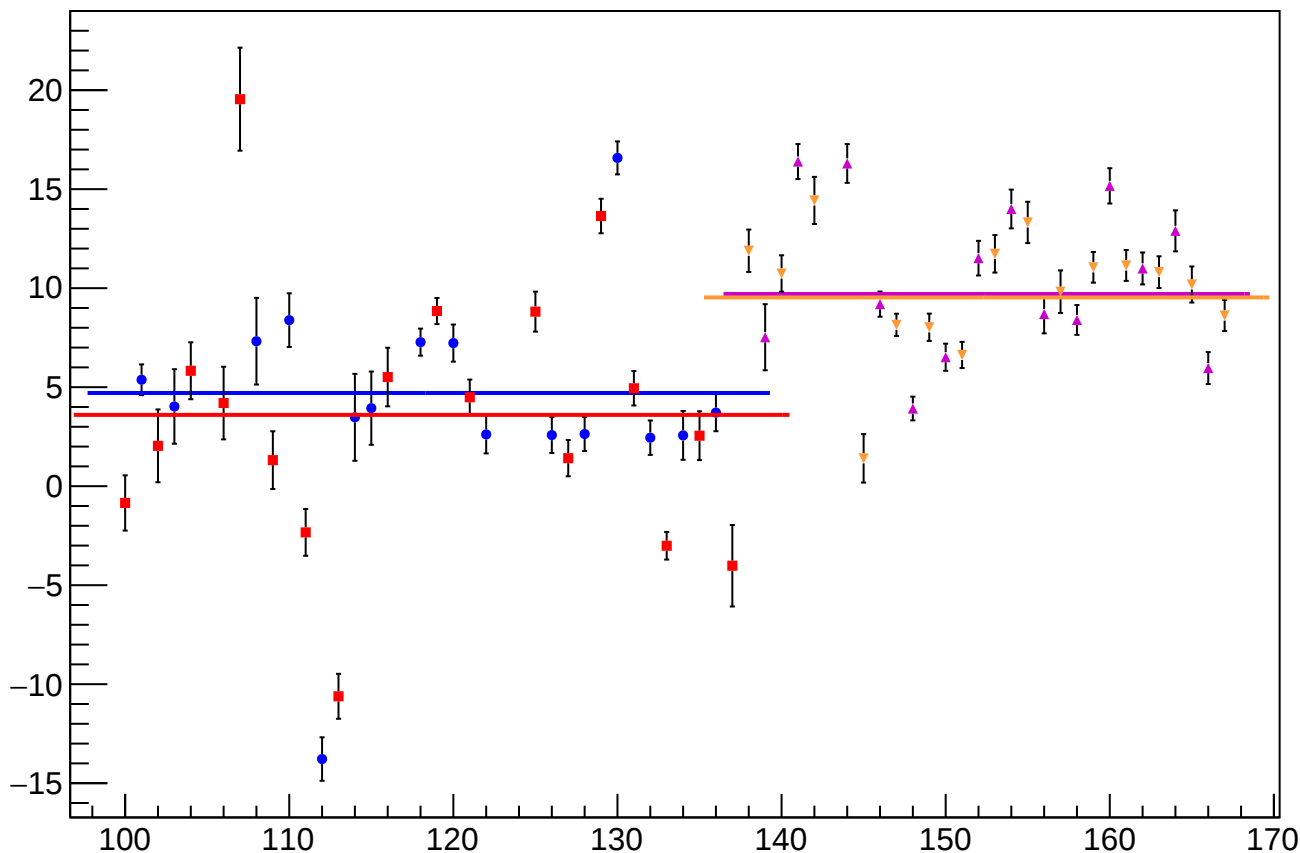
Left In: 8.399 ± 0.261 χ^2/NDF : 872.1/13

+ sign 14.328 ± 0.220 χ^2/NDF : 4424.7/30

All: 14.516 ± 0.155 χ^2/NDF : 9391.8/62

- sign 14.702 ± 0.219 χ^2/NDF : 4965.7/31

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.532 ± 0.215 $\chi^2/\text{NDF}: 129.0/14$

Right Out: 3.601 ± 0.254 $\chi^2/\text{NDF}: 573.4/17$

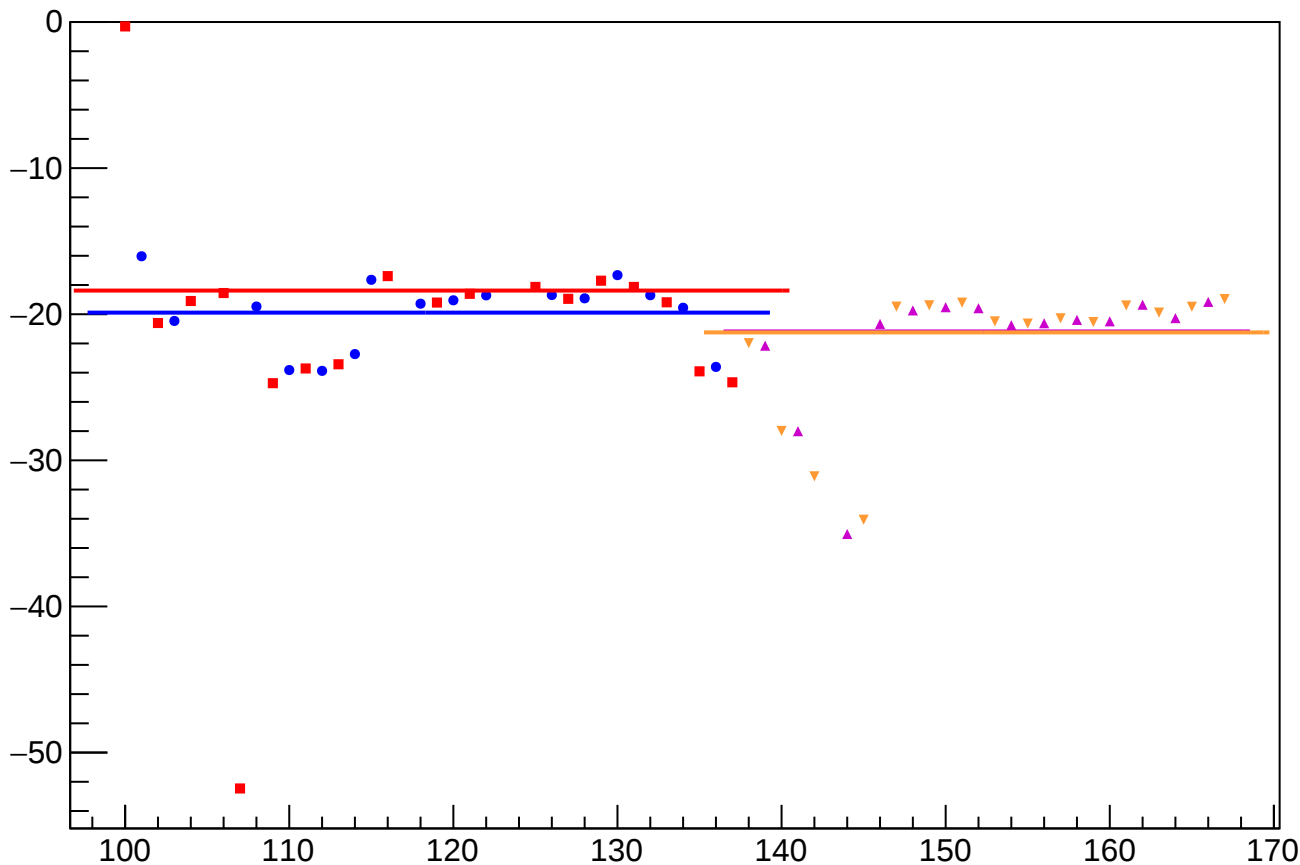
Left In: 9.705 ± 0.221 $\chi^2/\text{NDF}: 318.7/13$

+ sign 7.513 ± 0.164 $\chi^2/\text{NDF}: 884.4/30$

All: 7.299 ± 0.117 $\chi^2/\text{NDF}: 2108.8/62$

- sign 7.078 ± 0.167 $\chi^2/\text{NDF}: 1221.0/31$

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 $\chi^2/\text{NDF}: 300999.4/17$

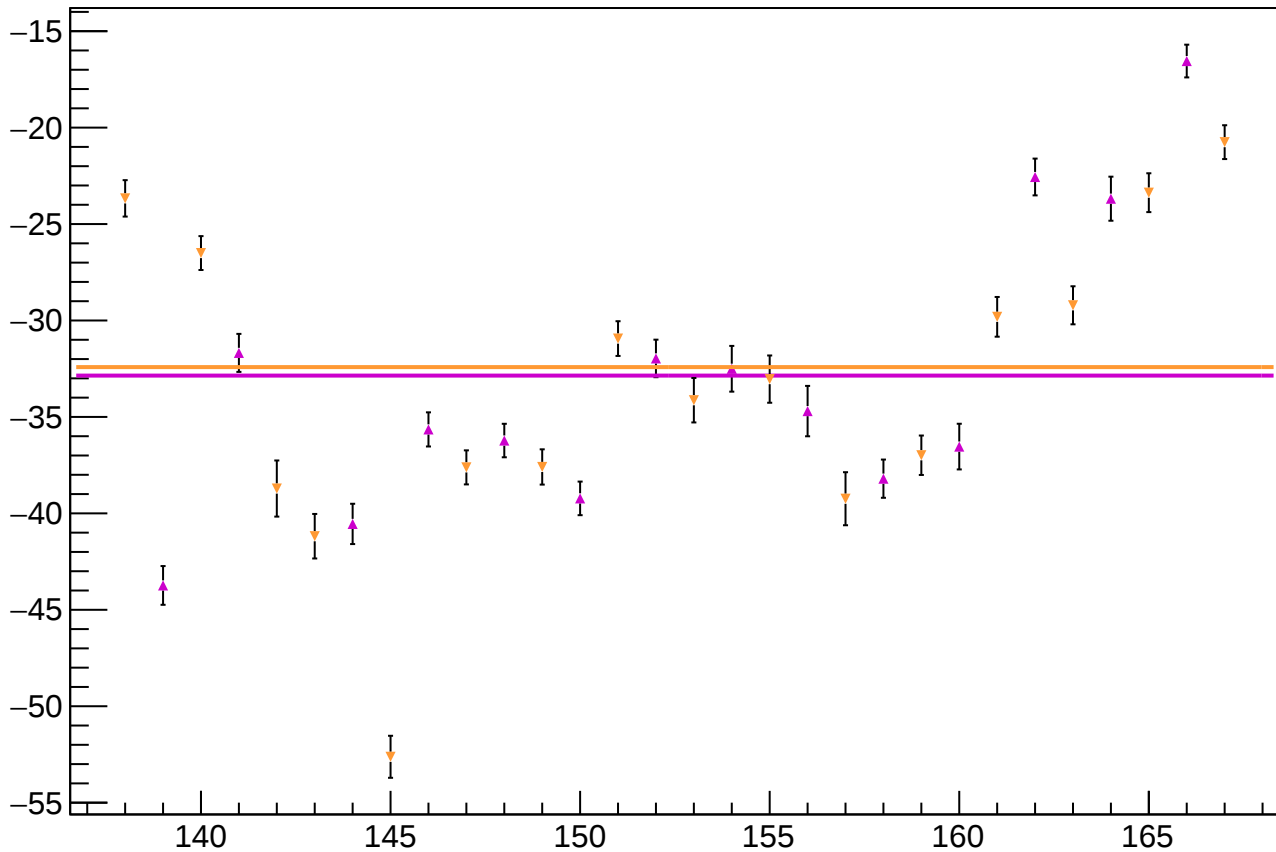
Left In: -21.177 ± 0.010 $\chi^2/\text{NDF}: 102144.9/13$

+ sign -20.833 ± 0.009 $\chi^2/\text{NDF}: 160156.0/30$

All: -20.535 ± 0.006 $\chi^2/\text{NDF}: 589639.8/62$

- sign -20.245 ± 0.009 $\chi^2/\text{NDF}: 427130.6/31$

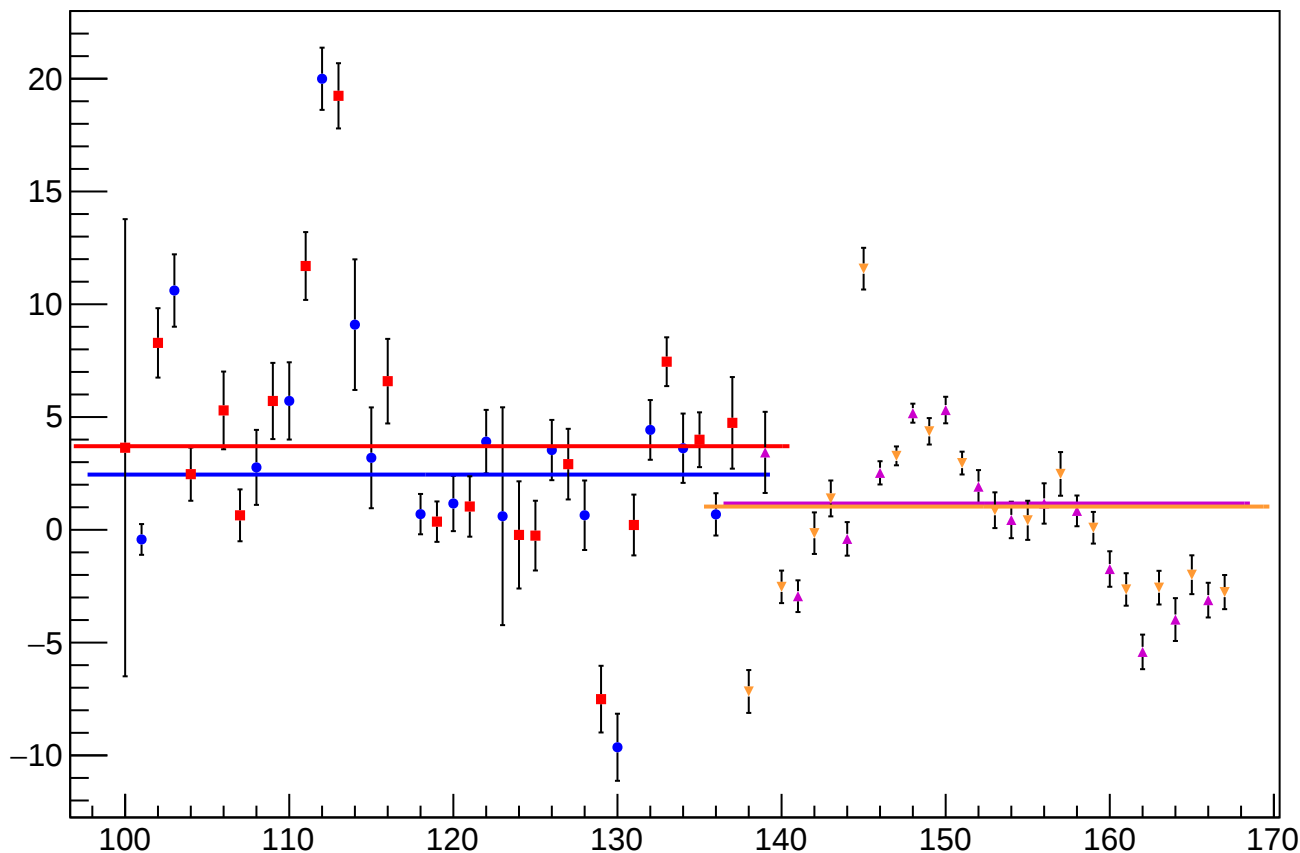
reg_asym_right_avg_diff_bpm1X_slope vs Slug



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: -32.857+/-0.265 χ^2/NDF : 843.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
All: -32.628+/-0.184 χ^2/NDF : 1787.5/29
- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 1.031 ± 0.176 χ^2/NDF : 397.8/15

Right Out: 3.707 ± 0.326 χ^2/NDF : 269.4/18

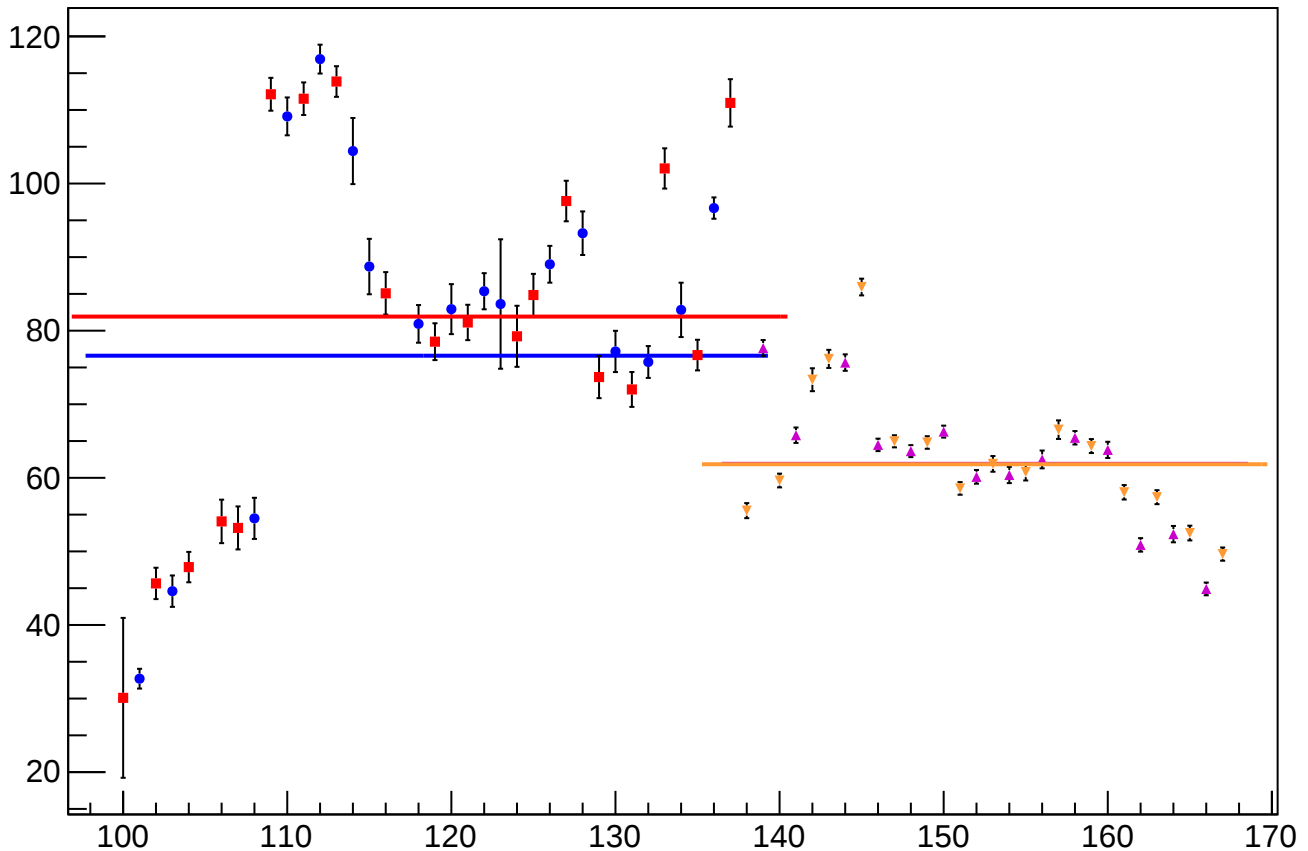
Left In: 1.166 ± 0.185 χ^2/NDF : 337.0/13

+ sign 1.369 ± 0.153 χ^2/NDF : 708.6/32

All: 1.566 ± 0.111 χ^2/NDF : 1364.4/65

- sign 1.782 ± 0.161 χ^2/NDF : 652.3/32

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 ± 0.576 χ^2/NDF : 2255.1/16

Left Out: 61.844 ± 0.251 χ^2/NDF : 1053.5/15

Right Out: 81.916 ± 0.592 χ^2/NDF : 1570.7/18

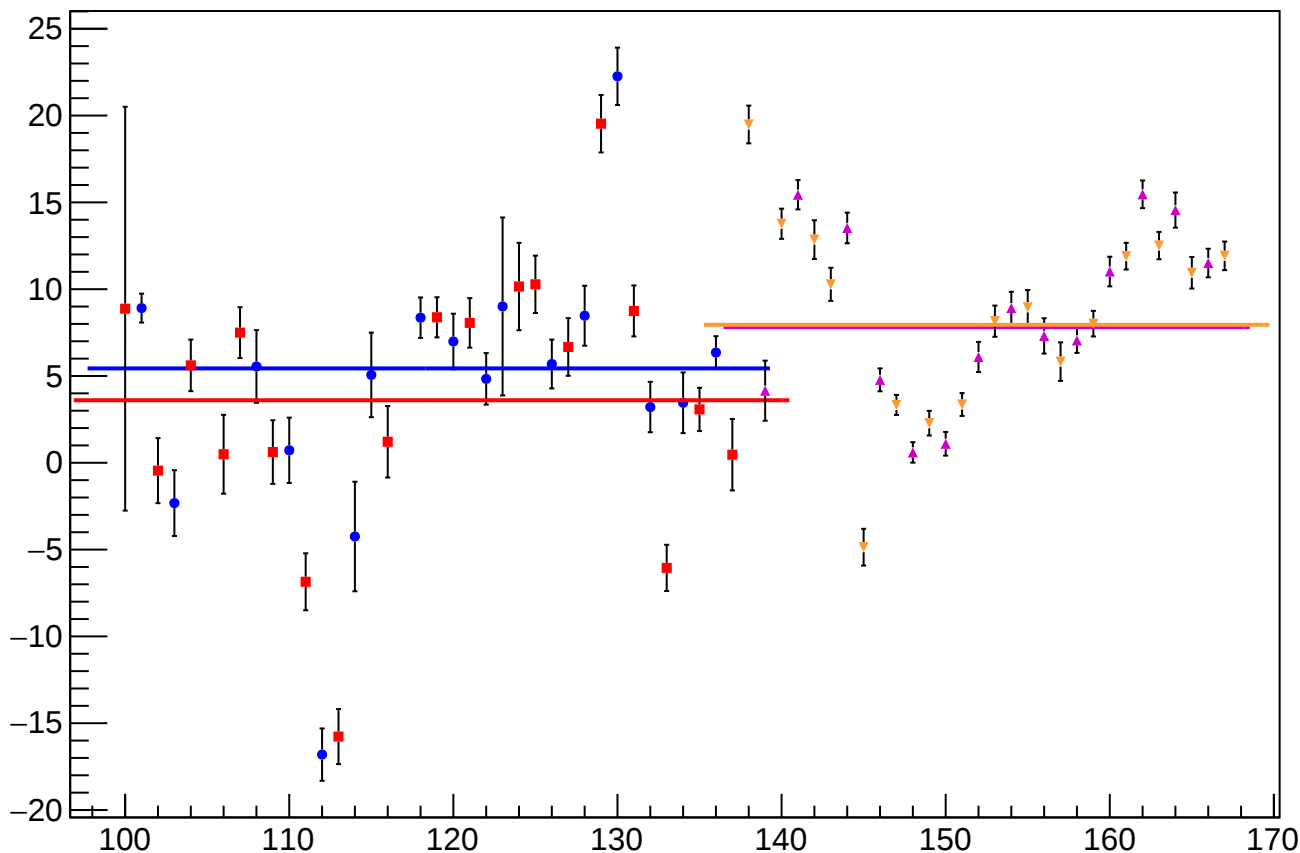
Left In: 61.903 ± 0.258 χ^2/NDF : 1045.8/13

+ sign 64.196 ± 0.230 χ^2/NDF : 3860.0/32

All: 64.637 ± 0.165 χ^2/NDF : 7444.0/65

- sign 65.104 ± 0.237 χ^2/NDF : 3576.4/32

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

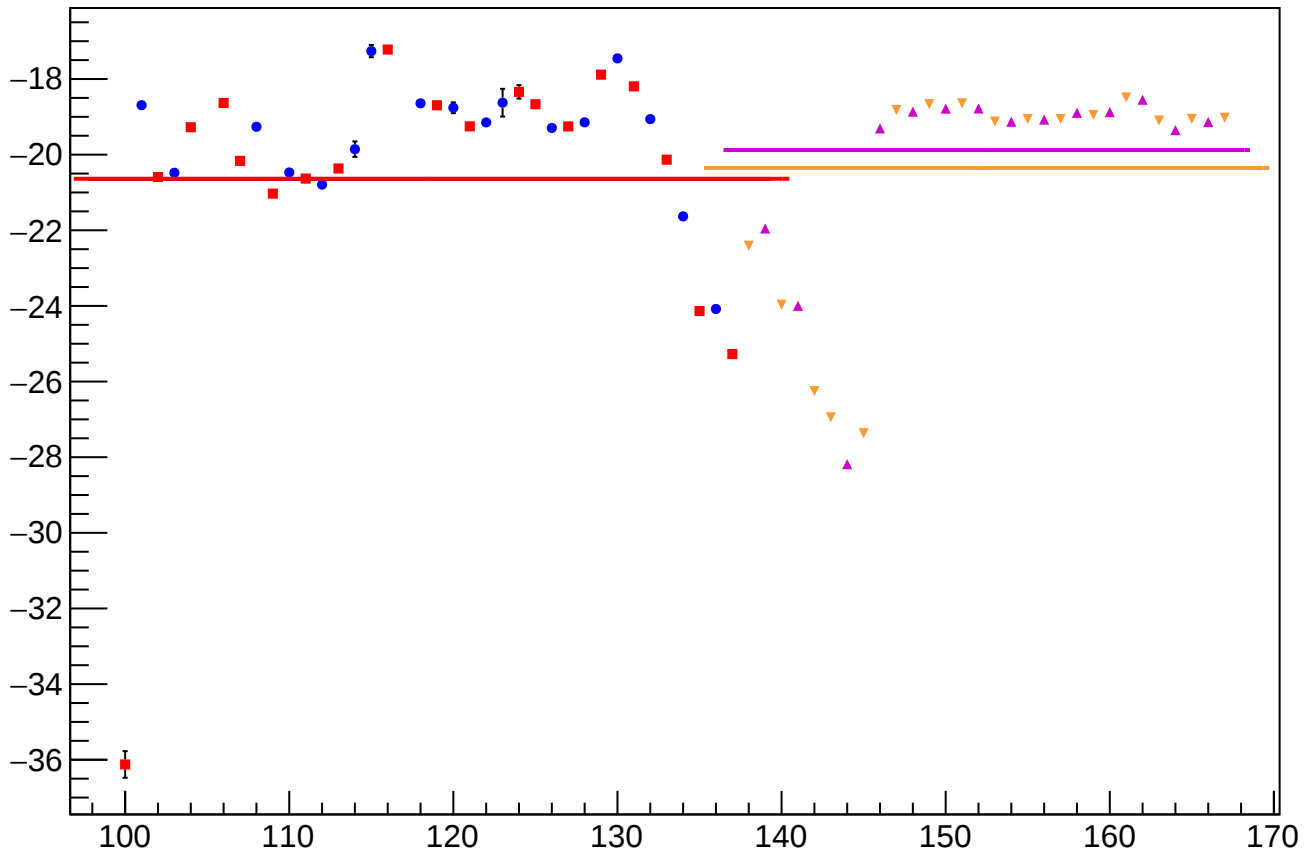
Left In: 7.817 ± 0.218 χ^2/NDF : 573.4/13

+ sign 7.322 ± 0.180 χ^2/NDF : 1028.7/32

All: 7.051 ± 0.130 χ^2/NDF : 2124.7/65

- sign 6.755 ± 0.188 χ^2/NDF : 1091.2/32

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

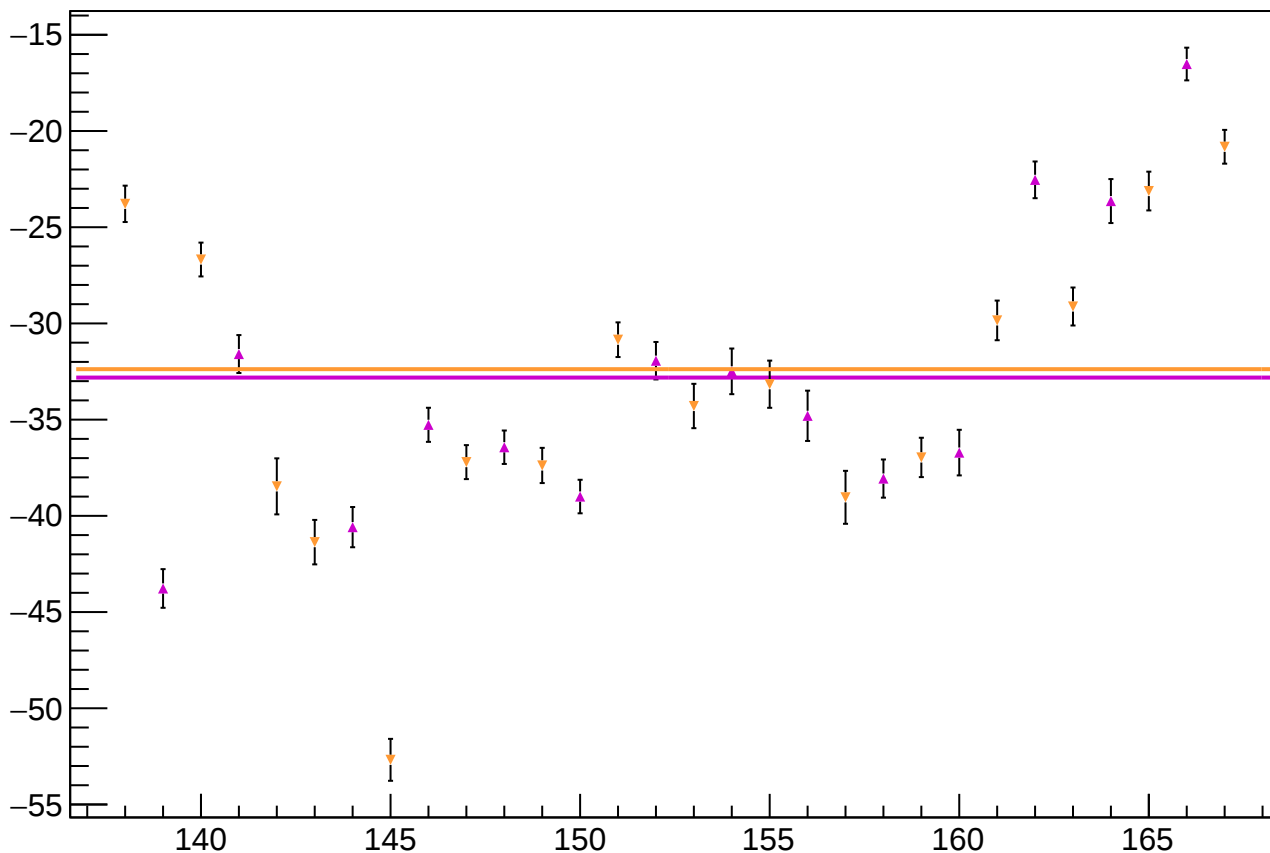
Left In: -19.878 ± 0.010 χ^2/NDF : 48351.9/13

+ sign -20.414 ± 0.009 χ^2/NDF : 90518.8/32

All: -20.234 ± 0.006 χ^2/NDF : 154688.9/65

- sign -20.044 ± 0.009 χ^2/NDF : 63327.8/32

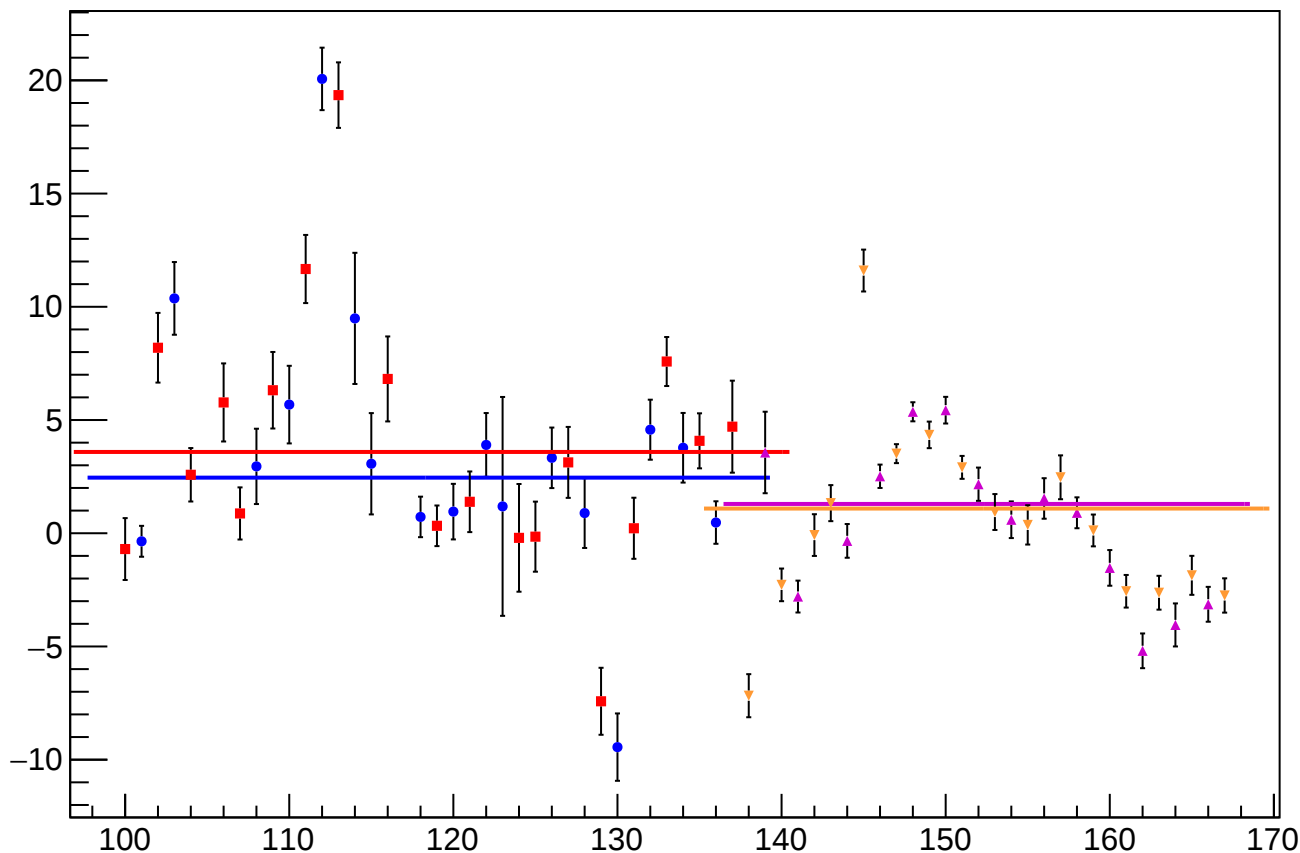
reg_asym_right_dd_diff_bpm1X_slope vs Slug



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: -32.814+/-0.266 χ^2/NDF : 841.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -32.587+/-0.184 χ^2/NDF : 1777.0/29
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 $\pm$ 0.315 χ^2 /NDF: 293.5/16

Left Out: 1.090 $\pm$ 0.176 χ^2 /NDF: 398.0/15

Right Out: 3.590 $\pm$ 0.318 χ^2 /NDF: 279.8/18

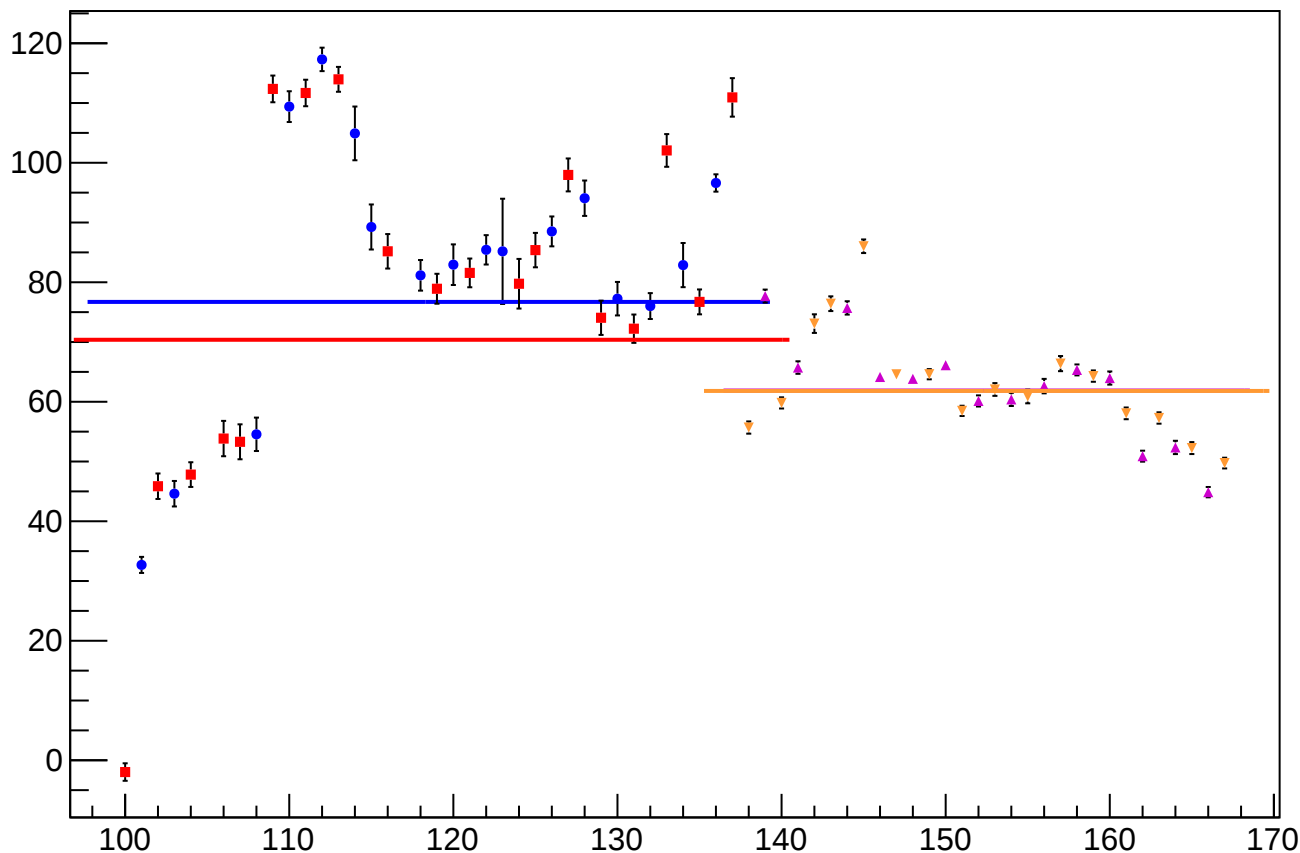
Left In: 1.294 $\pm$ 0.185 χ^2 /NDF: 340.3/13

+ sign 1.415 $\pm$ 0.154 χ^2 /NDF: 705.8/32

All: 1.636 $\pm$ 0.111 χ^2 /NDF: 1369.2/65

- sign 1.874 $\pm$ 0.160 χ^2 /NDF: 659.1/32

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 ± 0.576 $\chi^2/\text{NDF}: 2266.6/16$

Left Out: 61.812 ± 0.251 $\chi^2/\text{NDF}: 1052.4/15$

Right Out: 70.376 ± 0.550 $\chi^2/\text{NDF}: 4390.7/18$

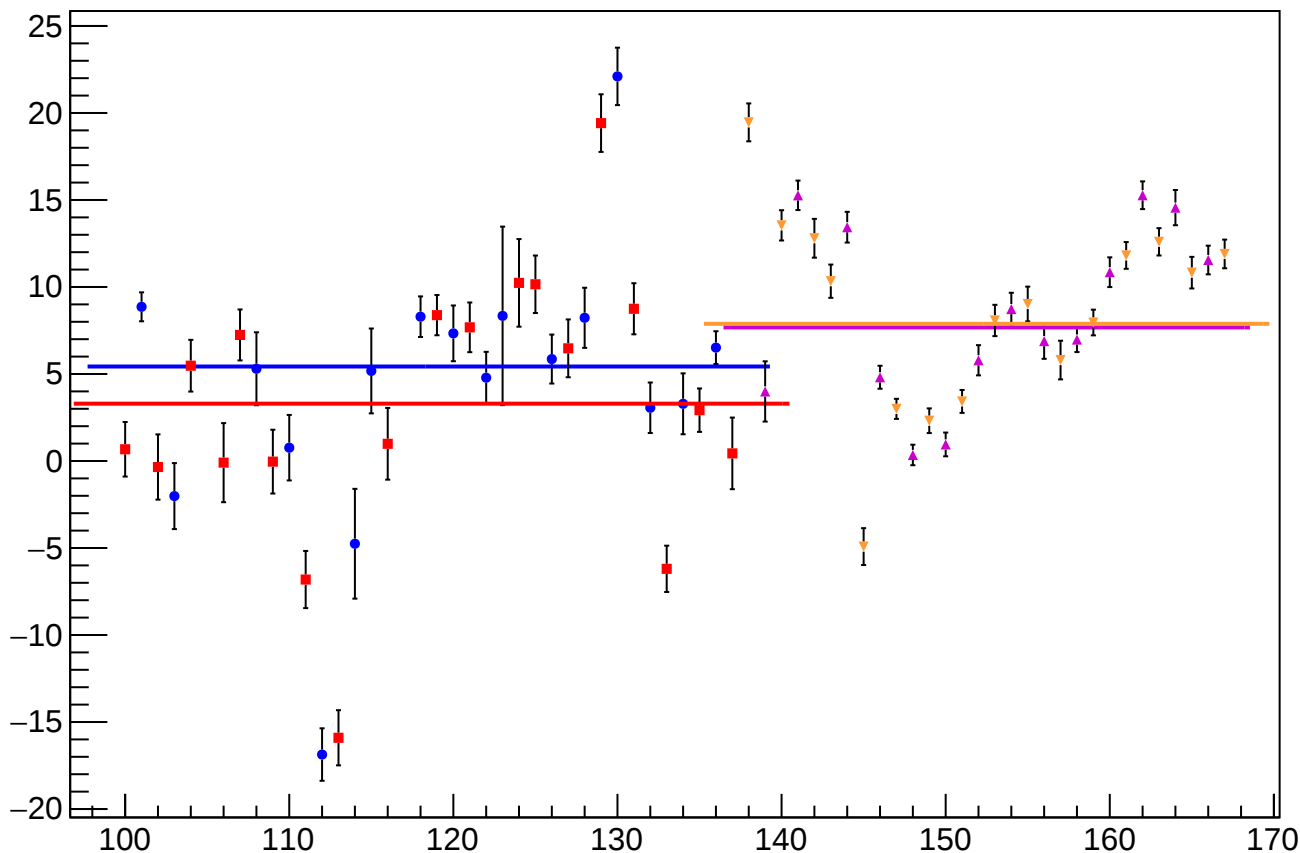
Left In: 61.883 ± 0.259 $\chi^2/\text{NDF}: 1043.4/13$

+ sign 64.187 ± 0.230 $\chi^2/\text{NDF}: 3880.9/32$

All: 63.811 ± 0.164 $\chi^2/\text{NDF}: 9515.7/65$

- sign 63.421 ± 0.234 $\chi^2/\text{NDF}: 5629.4/32$

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 7.884 ± 0.208 χ^2/NDF : 608.1/15

Right Out: 3.295 ± 0.365 χ^2/NDF : 426.1/18

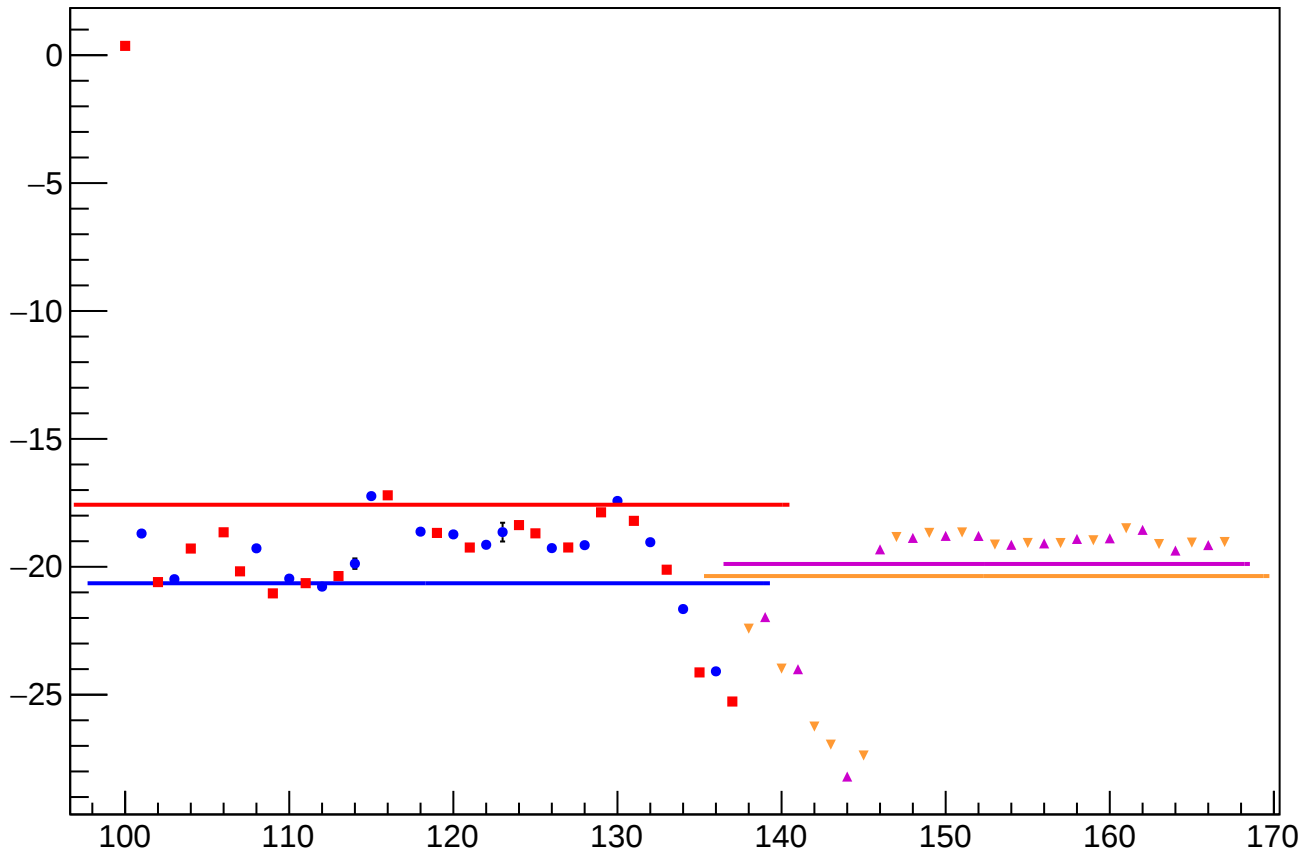
Left In: 7.676 ± 0.218 χ^2/NDF : 578.5/13

+ sign 7.272 ± 0.180 χ^2/NDF : 1028.7/32

All: 6.913 ± 0.130 χ^2/NDF : 2147.7/65

- sign 6.526 ± 0.187 χ^2/NDF : 1110.8/32

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 $\chi^2/\text{NDF}: 178327.0/18$

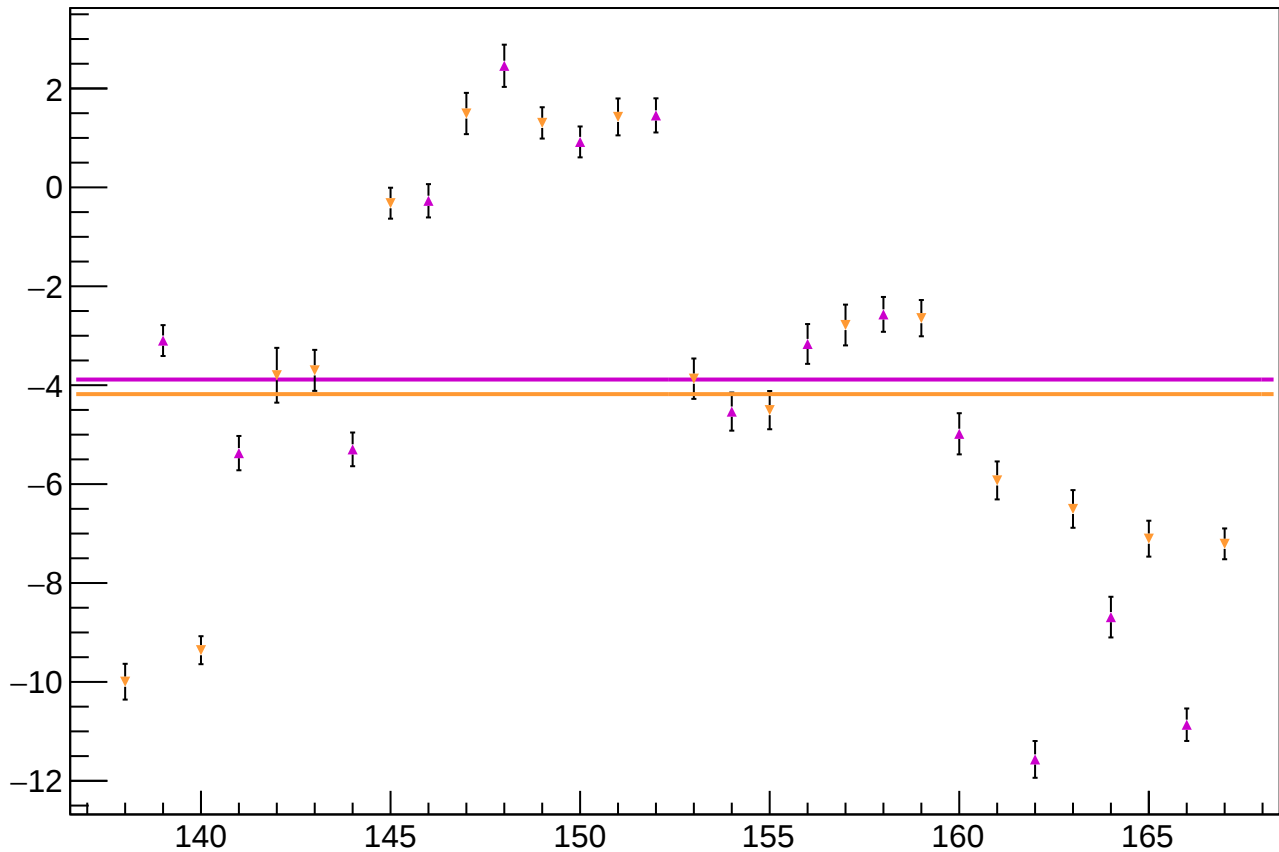
Left In: -19.889 ± 0.010 $\chi^2/\text{NDF}: 48277.6/13$

+ sign -20.421 ± 0.009 $\chi^2/\text{NDF}: 90407.5/32$

All: -19.874 ± 0.006 $\chi^2/\text{NDF}: 337070.8/65$

- sign -19.318 ± 0.009 $\chi^2/\text{NDF}: 239020.6/32$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



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

Left Out: -4.180 $\pm$ 0.091 χ^2 /NDF:1704.9/15

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

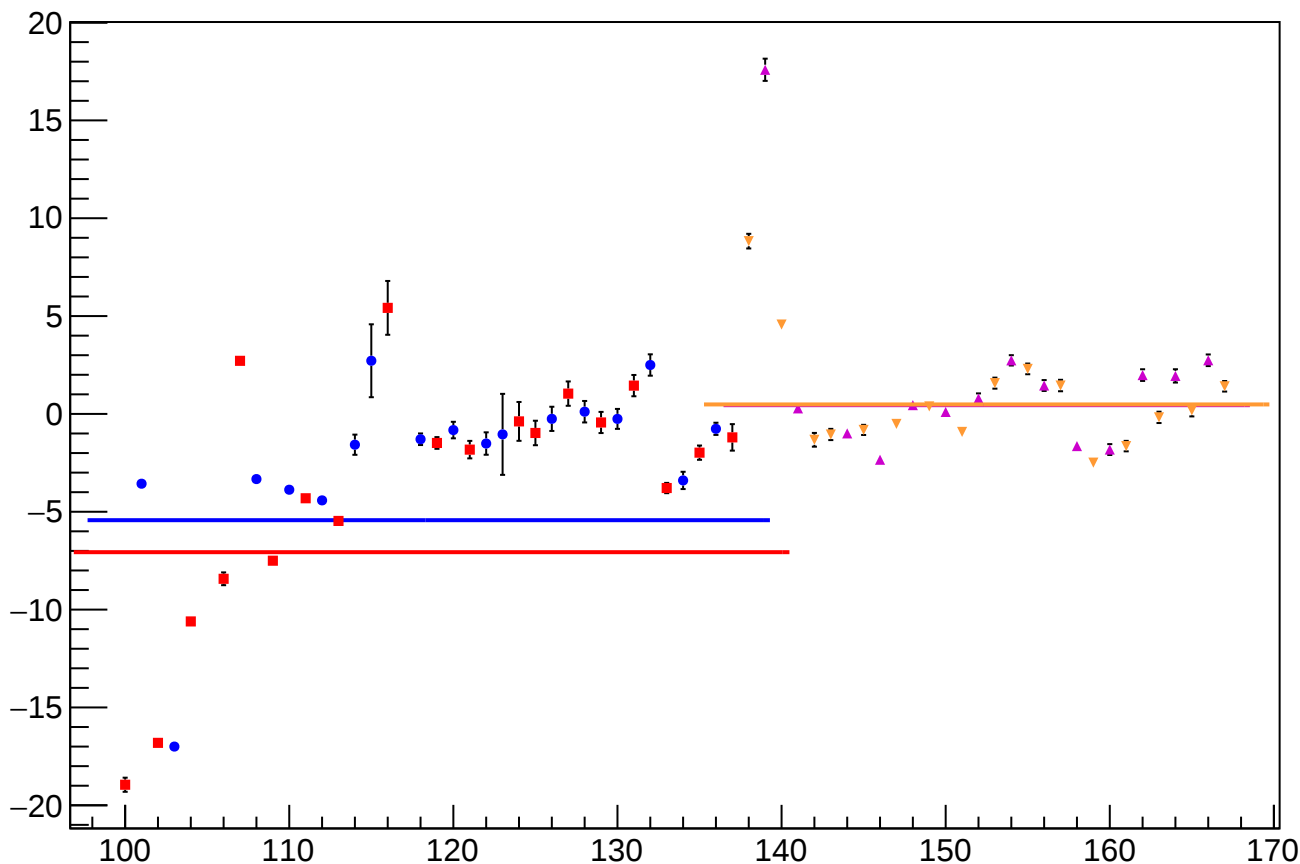
Left In: -3.885 $\pm$ 0.096 χ^2 /NDF:1895.5/13

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

All: -4.040 $\pm$ 0.066 χ^2 /NDF: 3605.4/29

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

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 0.485 ± 0.066 χ^2/NDF : 1233.2/15

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

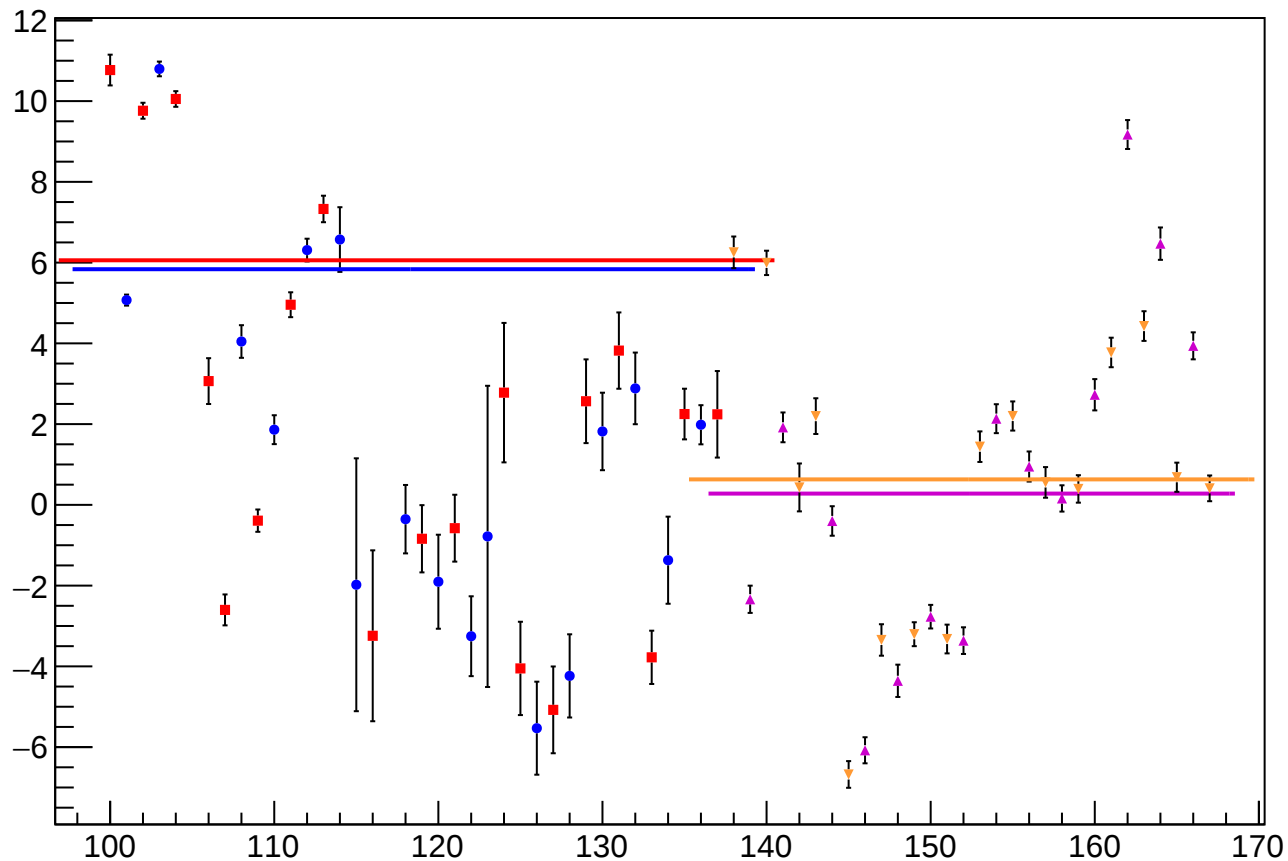
Left In: 0.446 ± 0.070 χ^2/NDF : 1457.8/13

+ sign -2.995 ± 0.042 χ^2/NDF : 15253.2/32

All: -3.430 ± 0.031 χ^2/NDF : 36012.4/65

- sign -3.928 ± 0.045 χ^2/NDF : 20530.2/32

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 $\chi^2/\text{NDF}: 2668.9/18$

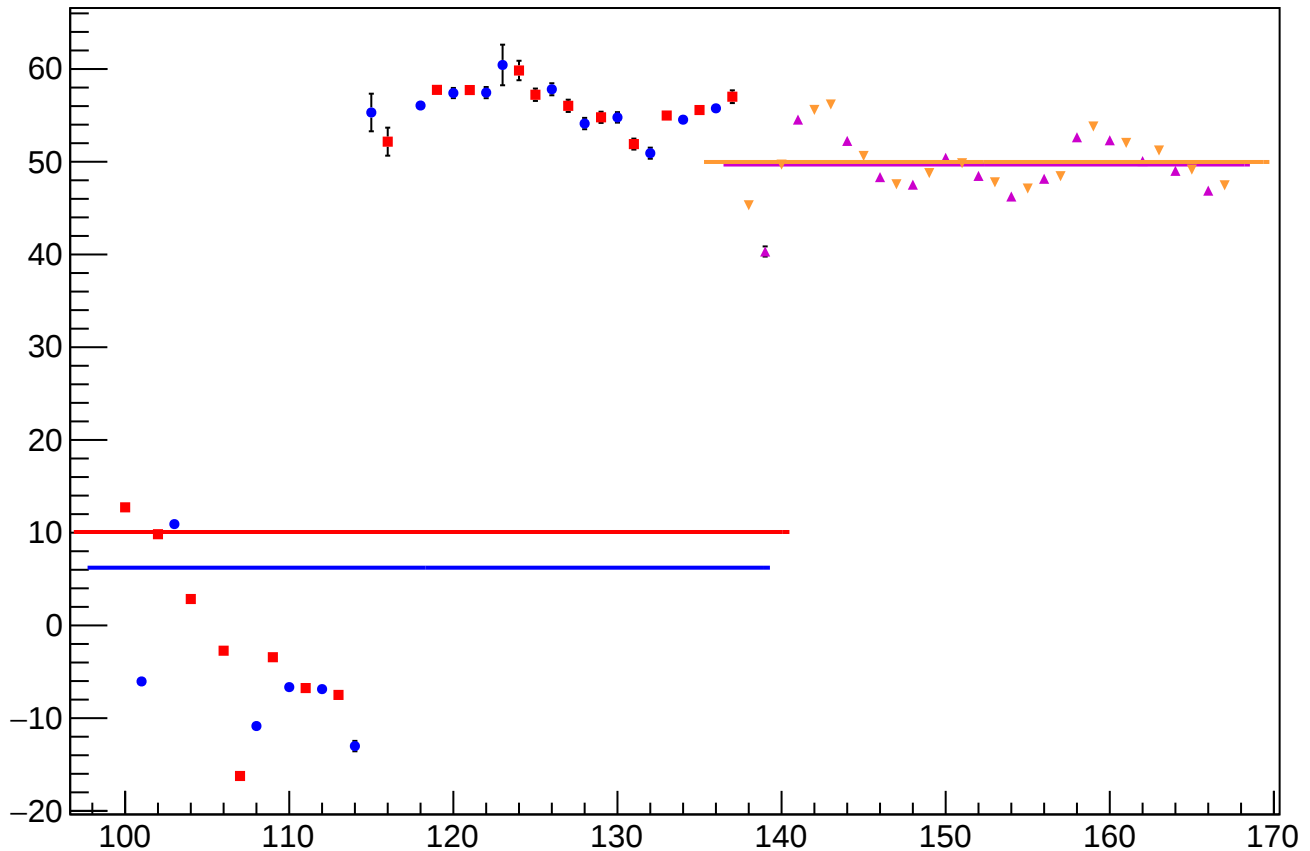
Left In: 0.279 ± 0.094 $\chi^2/\text{NDF}: 1880.8/13$

+ sign 3.247 ± 0.064 $\chi^2/\text{NDF}: 4740.7/32$

All: 3.212 ± 0.046 $\chi^2/\text{NDF}: 11204.0/65$

- sign 3.174 ± 0.066 $\chi^2/\text{NDF}: 6462.7/32$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 ± 0.065 $\chi^2/\text{NDF}: 120955.1/16$

Left Out: 49.976 ± 0.076 $\chi^2/\text{NDF}: 1234.2/15$

Right Out: 10.075 ± 0.070 $\chi^2/\text{NDF}: 122049.3/18$

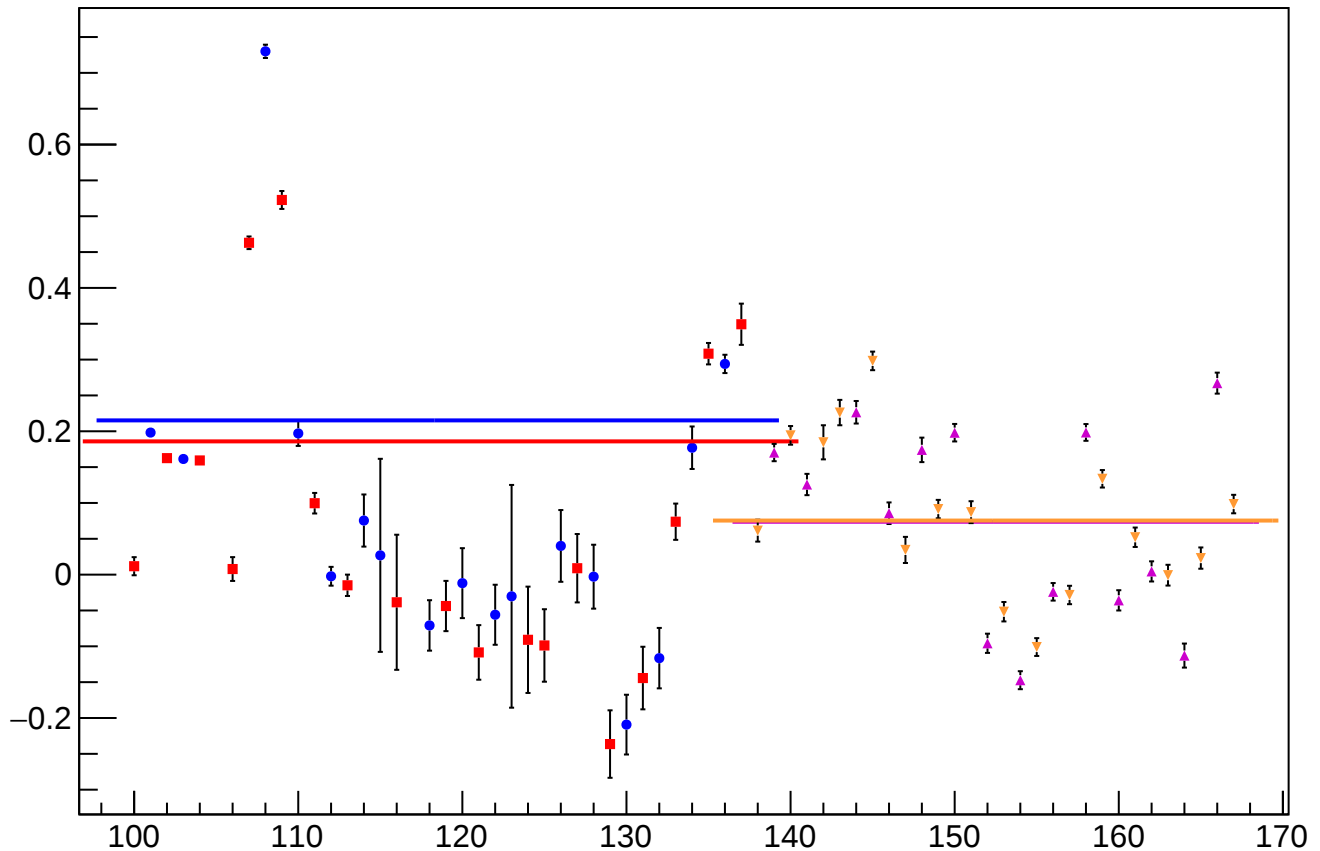
Left In: 49.700 ± 0.080 $\chi^2/\text{NDF}: 1184.5/13$

+ sign 24.611 ± 0.049 $\chi^2/\text{NDF}: 313569.2/32$

All: 25.771 ± 0.036 $\chi^2/\text{NDF}: 576630.3/65$

- sign 27.091 ± 0.053 $\chi^2/\text{NDF}: 261880.9/32$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 ± 0.003 $\chi^2/\text{NDF}: 3925.9/16$

Left Out: 0.075 ± 0.004 $\chi^2/\text{NDF}: 904.8/15$

Right Out: 0.186 ± 0.003 $\chi^2/\text{NDF}: 2718.1/18$

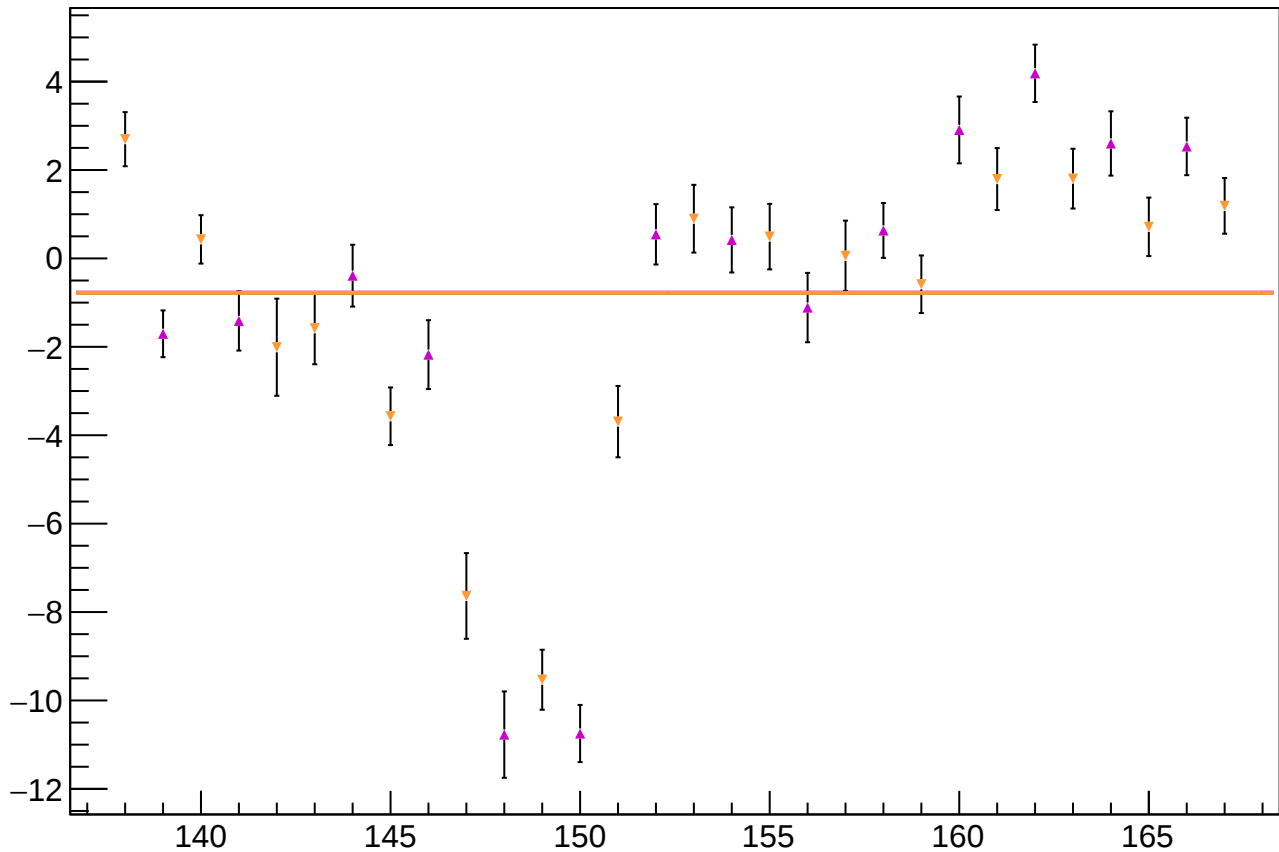
Left In: 0.074 ± 0.004 $\chi^2/\text{NDF}: 1339.3/13$

+ sign 0.162 ± 0.002 $\chi^2/\text{NDF}: 5798.4/32$

All: 0.154 ± 0.002 $\chi^2/\text{NDF}: 10487.7/65$

- sign 0.147 ± 0.002 $\chi^2/\text{NDF}: 4664.7/32$

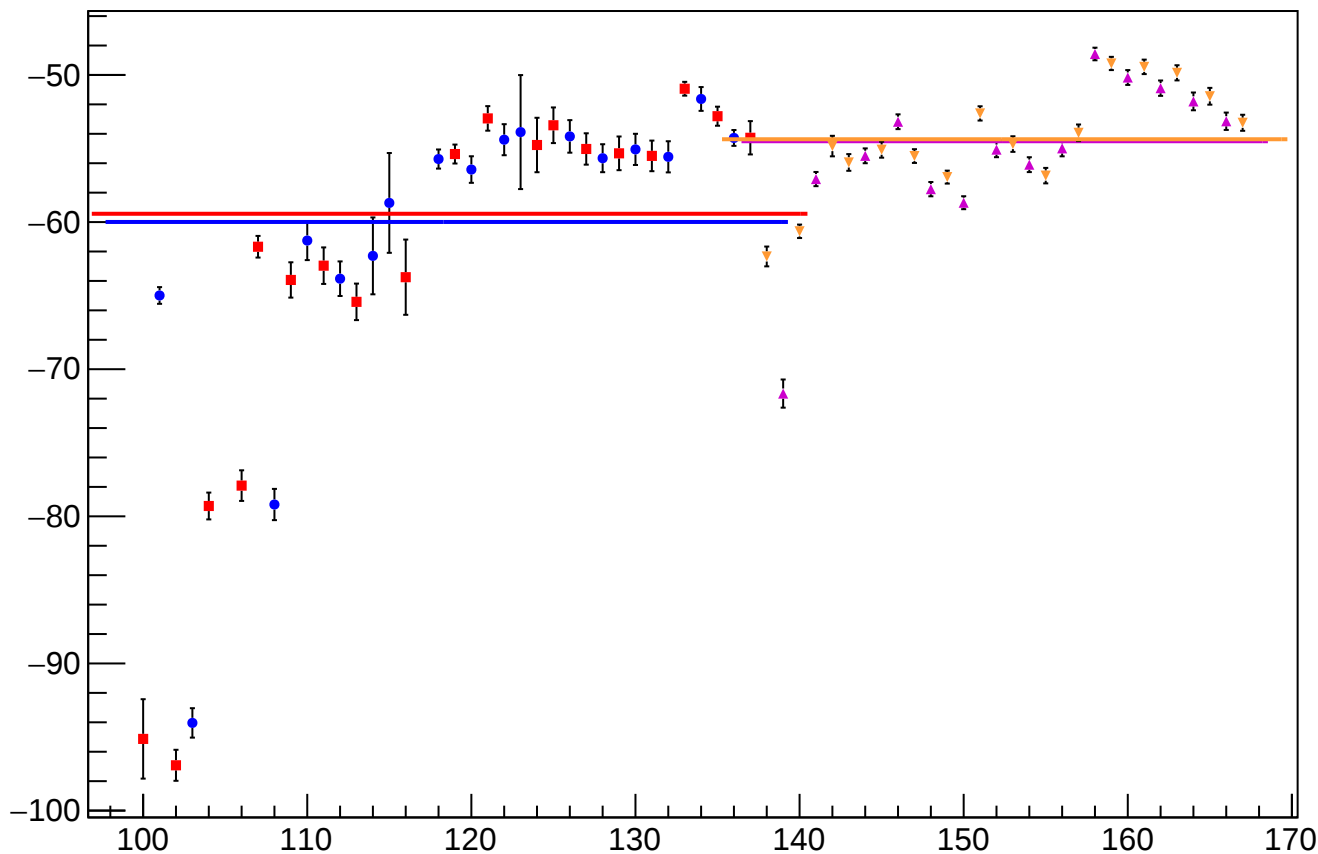
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.779+/-0.177 χ^2/NDF : 338.8/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.775+/-0.184 χ^2/NDF : 491.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -0.777+/-0.128 χ^2/NDF : 830.5/29
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.370 ± 0.130 χ^2/NDF : 751.8/15

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

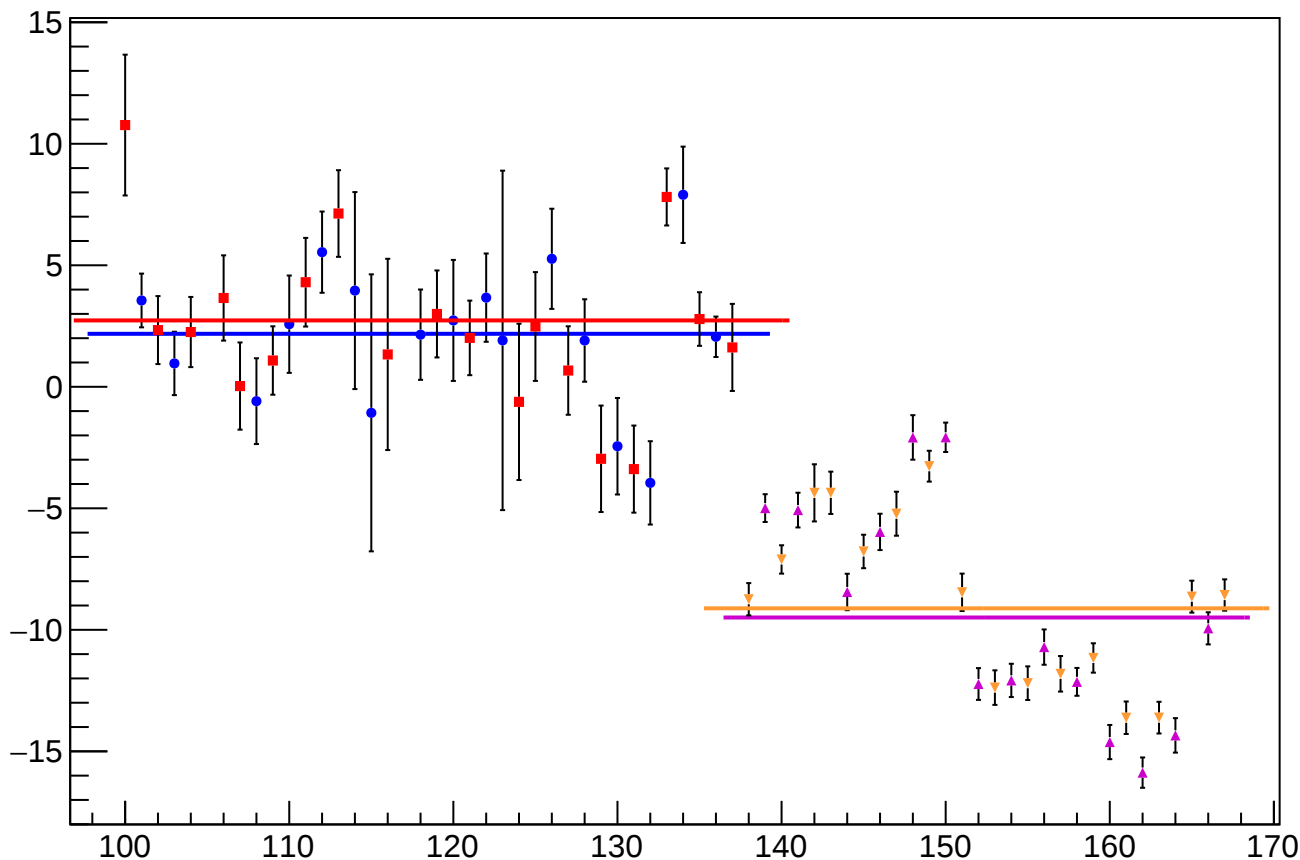
Left In: -54.505 ± 0.138 χ^2/NDF : 845.1/13

+ sign -55.779 ± 0.113 χ^2/NDF : 3192.8/32

All: -55.874 ± 0.081 χ^2/NDF : 7337.0/65

- sign -55.975 ± 0.116 χ^2/NDF : 4142.7/32

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -9.115 ± 0.175 $\chi^2/\text{NDF}: 334.0/15$

Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

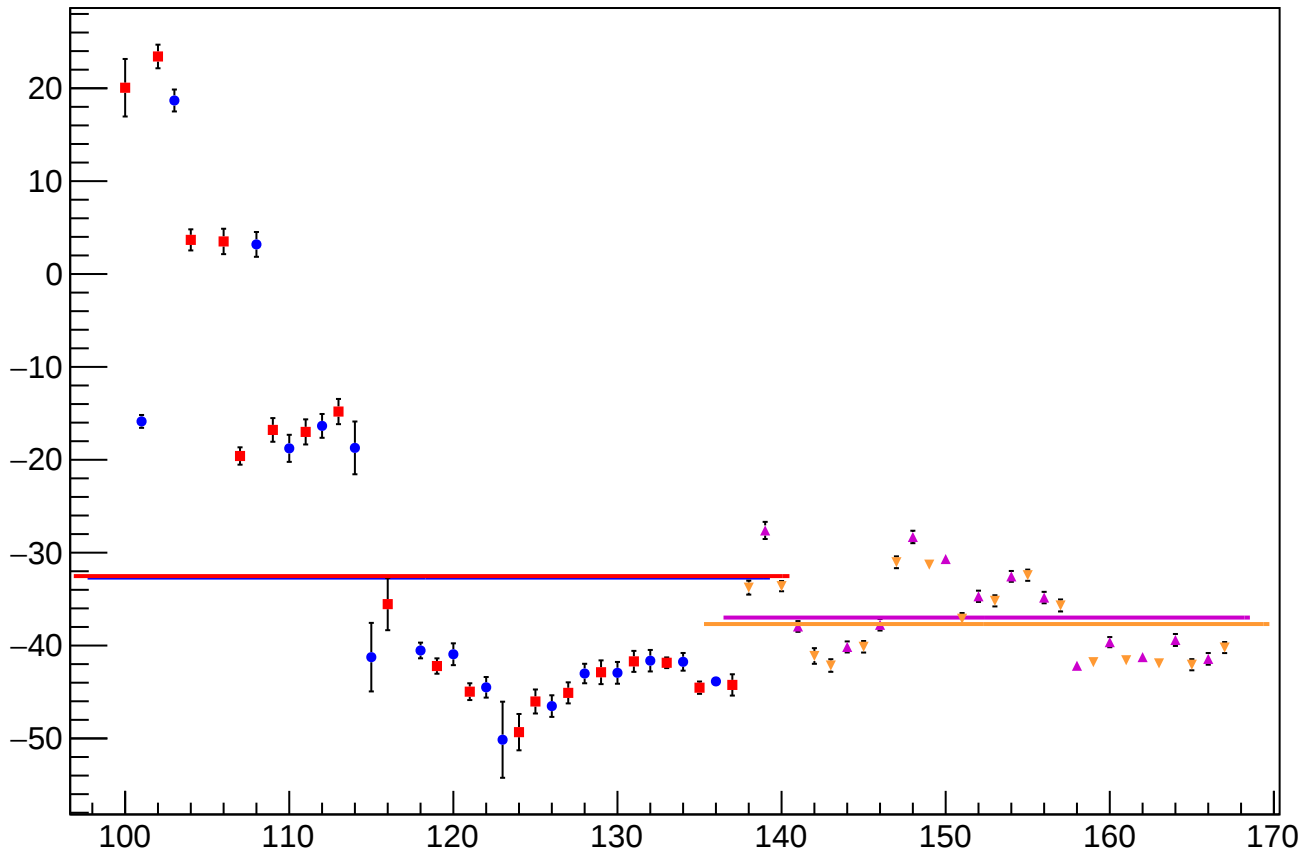
Left In: -9.493 ± 0.180 $\chi^2/\text{NDF}: 601.0/13$

+ sign -7.346 ± 0.161 $\chi^2/\text{NDF}: 1027.1/32$

All: -7.335 ± 0.115 $\chi^2/\text{NDF}: 2503.6/65$

- sign -7.324 ± 0.163 $\chi^2/\text{NDF}: 1476.5/32$

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 $\chi^2/\text{NDF}: 6045.3/18$

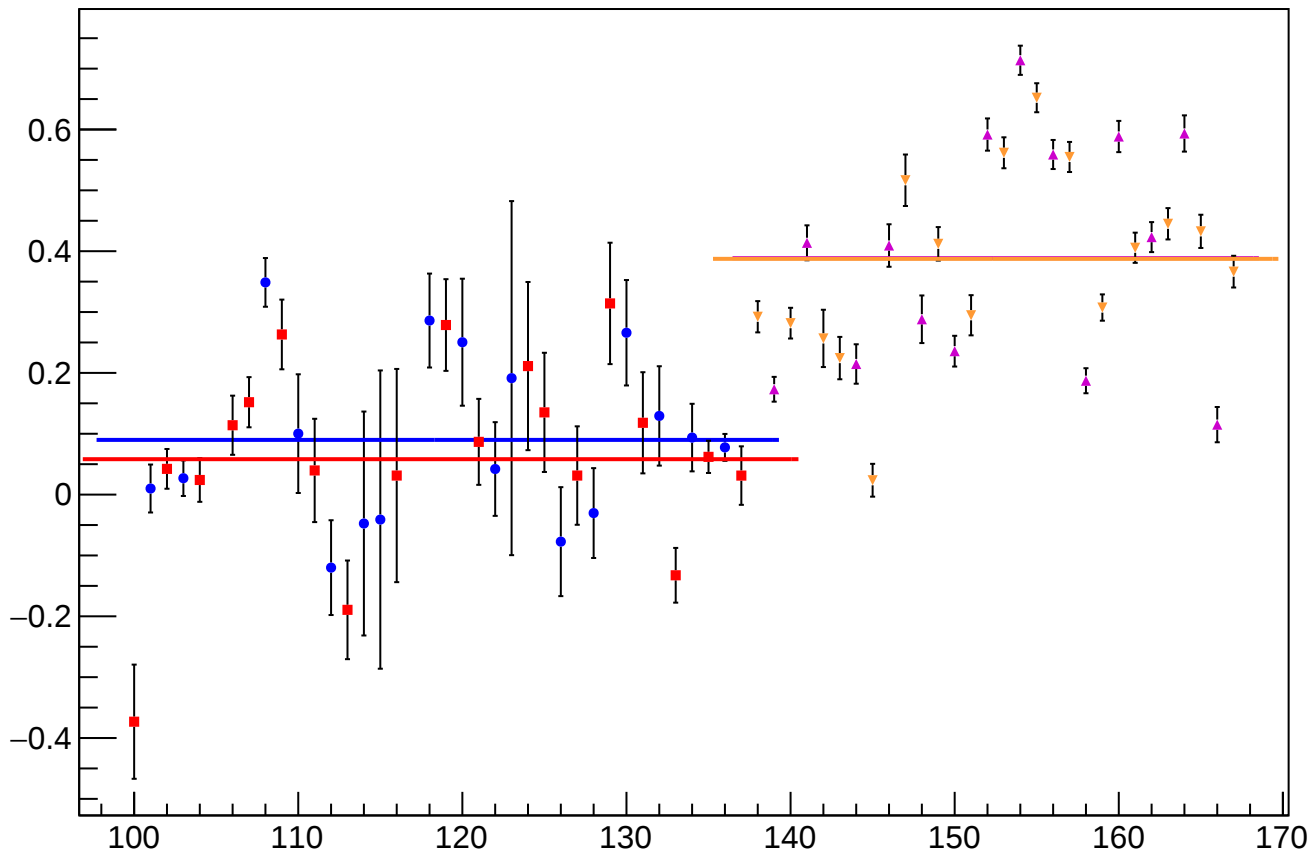
Left In: -36.988 ± 0.157 $\chi^2/\text{NDF}: 822.3/13$

+ sign -36.415 ± 0.129 $\chi^2/\text{NDF}: 5711.7/32$

All: -36.057 ± 0.092 $\chi^2/\text{NDF}: 12832.0/65$

- sign -35.680 ± 0.132 $\chi^2/\text{NDF}: 7104.4/32$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 78.8/16

Left Out: 0.387 $\pm$ 0.007 χ^2 /NDF: 499.7/15

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.1/18

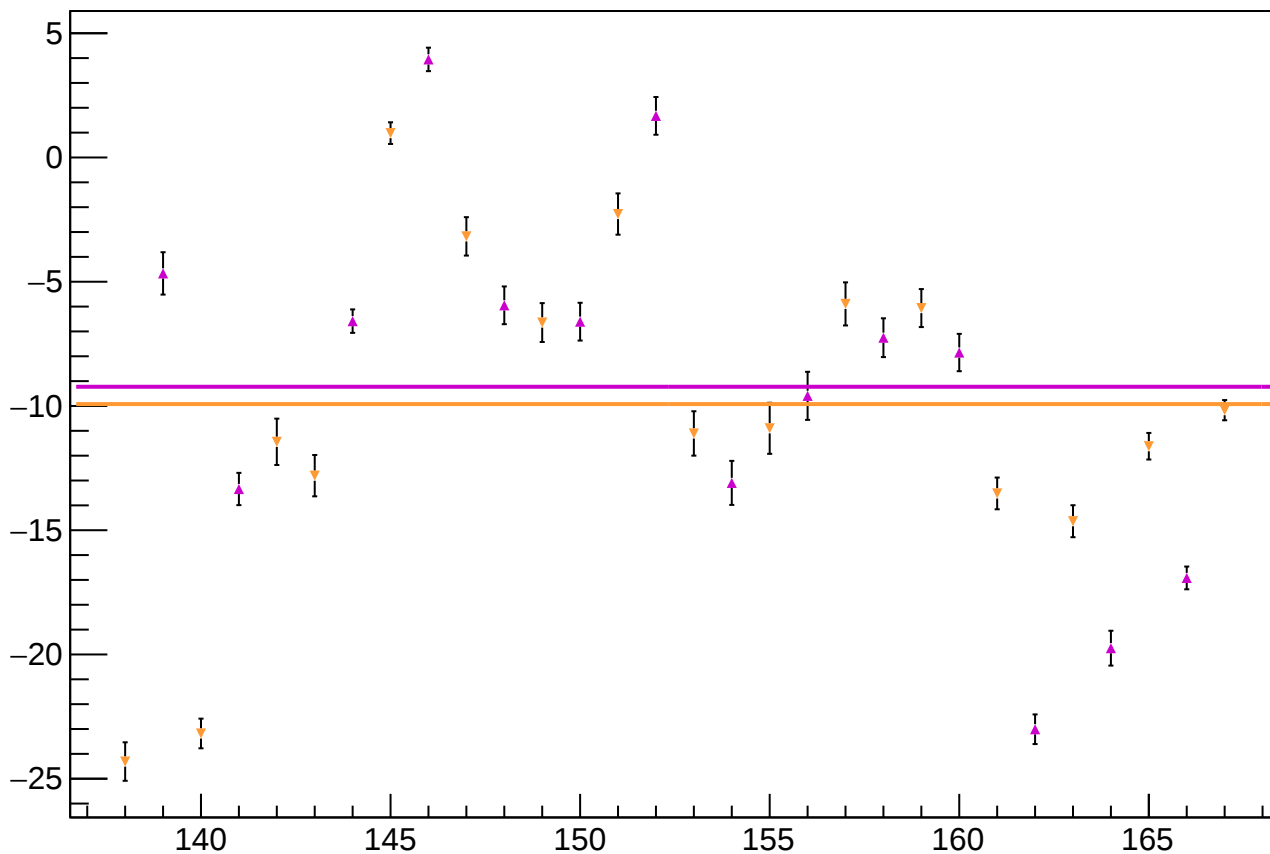
Left In: 0.389 $\pm$ 0.007 χ^2 /NDF: 773.2/13

+ sign 0.321 $\pm$ 0.006 χ^2 /NDF: 1002.4/32

All: 0.314 $\pm$ 0.004 χ^2 /NDF: 2419.3/65

- sign 0.306 $\pm$ 0.006 χ^2 /NDF: 1413.8/32

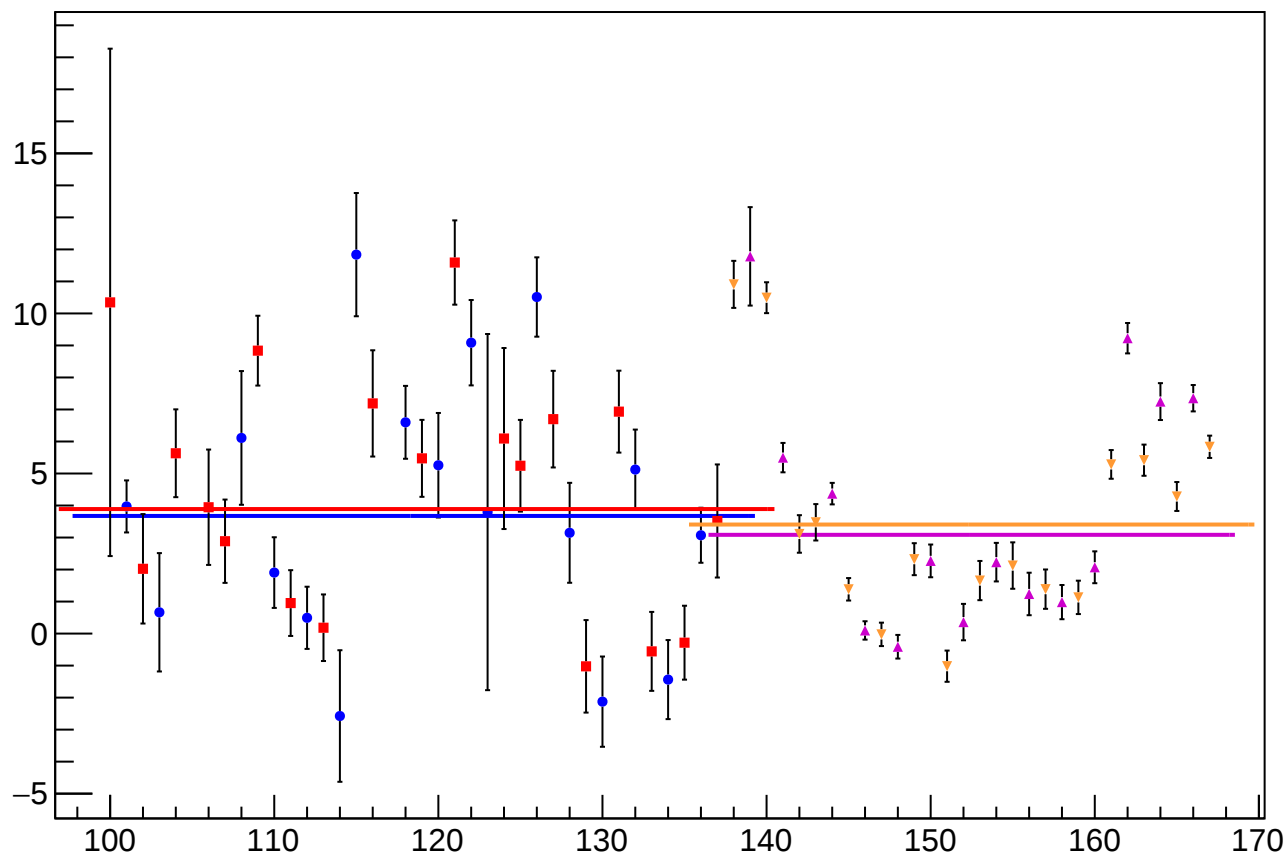
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



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: -9.227+/-0.173 χ^2/NDF : 2183.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -9.593+/-0.120 χ^2/NDF : 3994.9/29
 - 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

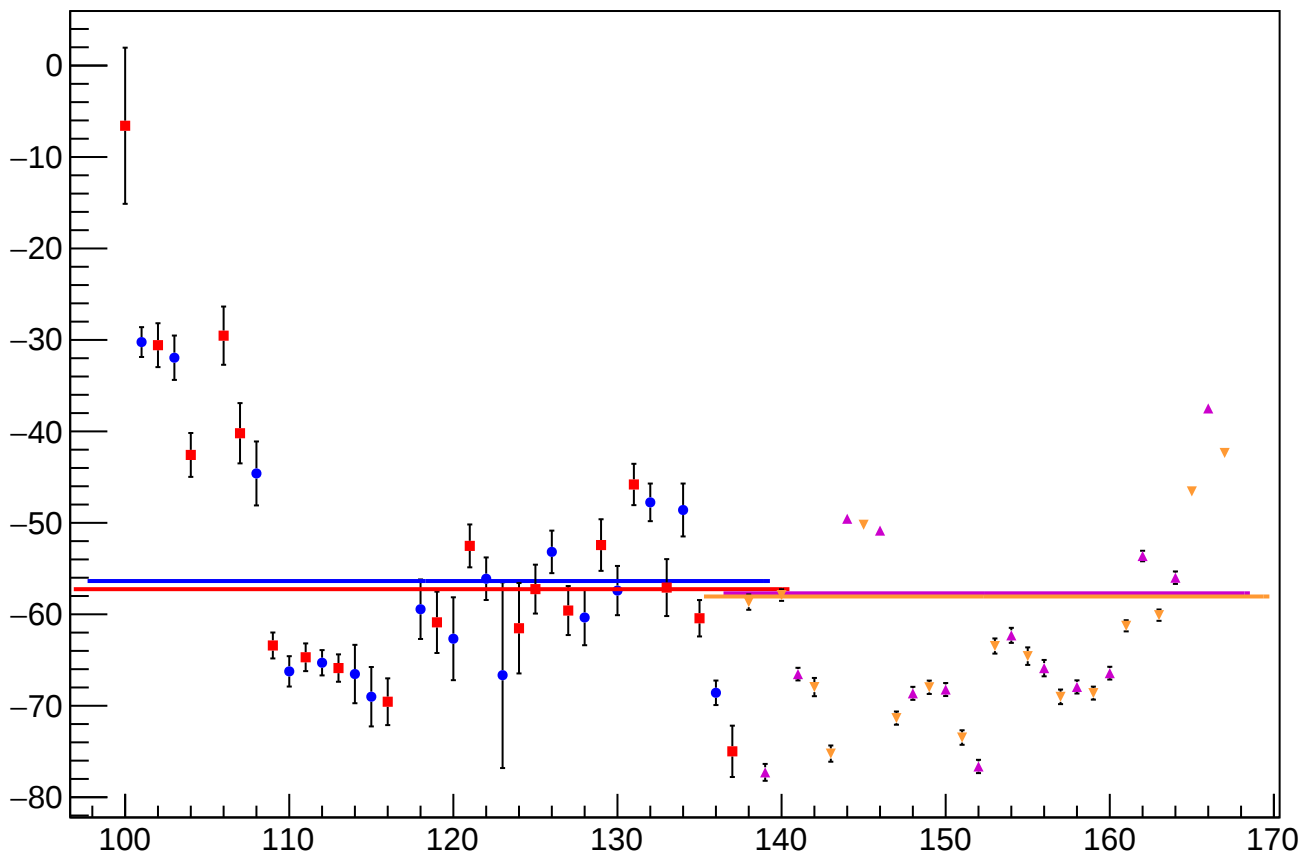
Left In: 3.085 ± 0.123 χ^2/NDF : 654.0/13

+ sign 3.441 ± 0.112 χ^2/NDF : 792.2/32

All: 3.318 ± 0.080 χ^2/NDF : 1588.1/65

- sign 3.190 ± 0.114 χ^2/NDF : 793.4/32

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

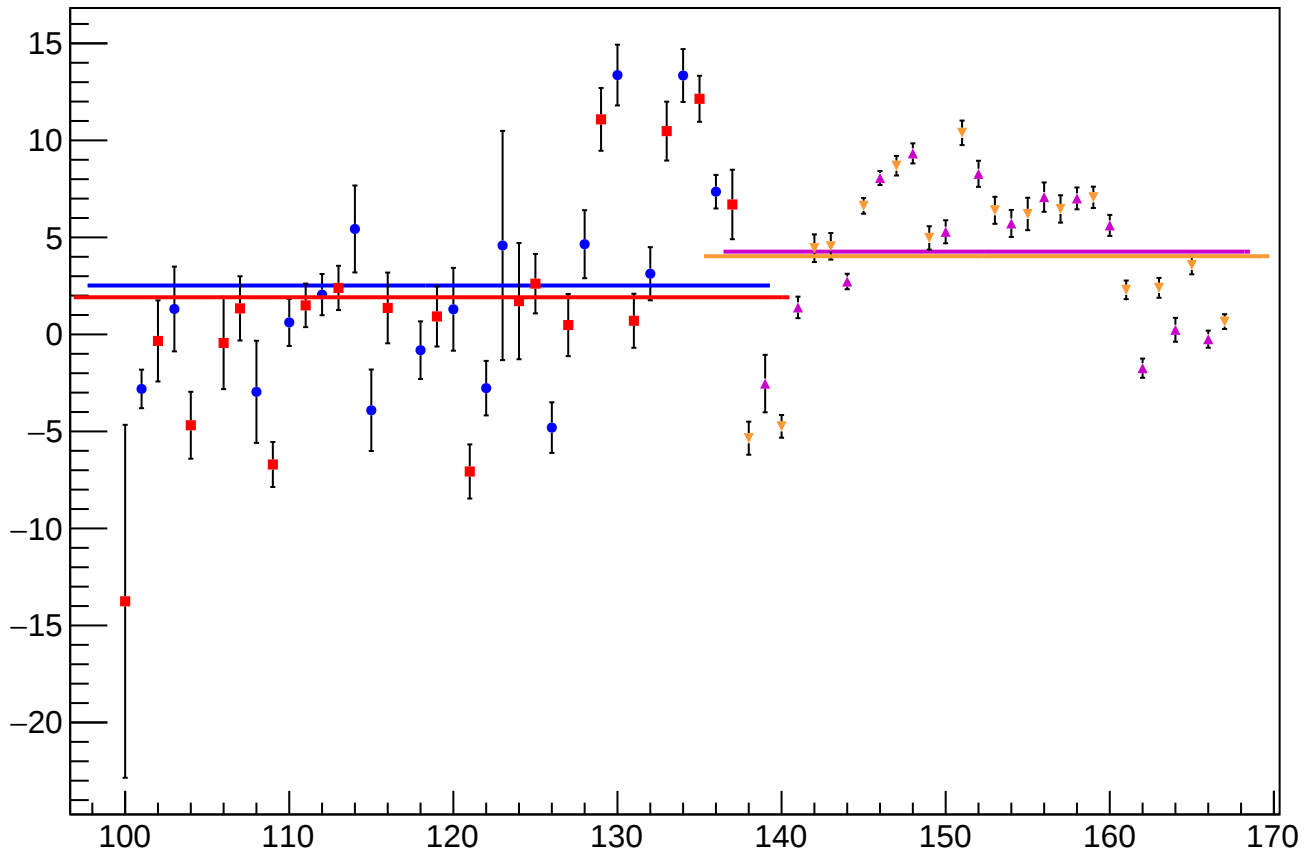
Left In: -57.705 ± 0.171 χ^2/NDF : 4646.4/13

+ sign -57.910 ± 0.158 χ^2/NDF : 4683.0/32

All: -57.791 ± 0.113 χ^2/NDF : 9807.2/65

- sign -57.664 ± 0.163 χ^2/NDF : 5123.0/32

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

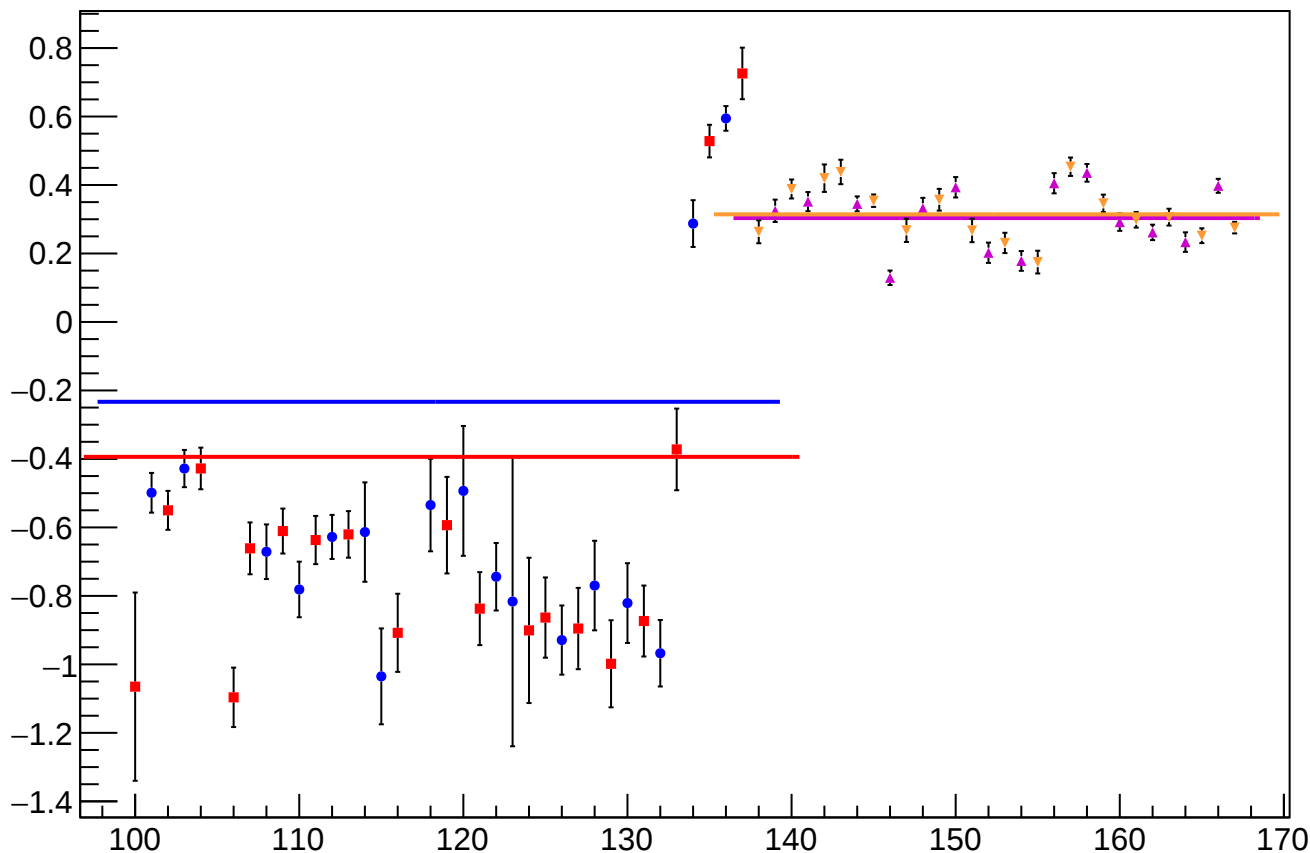
Left In: 4.266 ± 0.144 χ^2/NDF : 648.4/13

+ sign 3.822 ± 0.129 χ^2/NDF : 998.9/32

All: 3.877 ± 0.093 χ^2/NDF : 1950.0/65

- sign 3.935 ± 0.133 χ^2/NDF : 950.7/32

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 $\pm$ 0.019 χ^2 /NDF: 956.8/16

Left Out: 0.314 $\pm$ 0.007 χ^2 /NDF:106.9/15

Right Out: -0.394 $\pm$ 0.019 χ^2 /NDF: 845.2/18

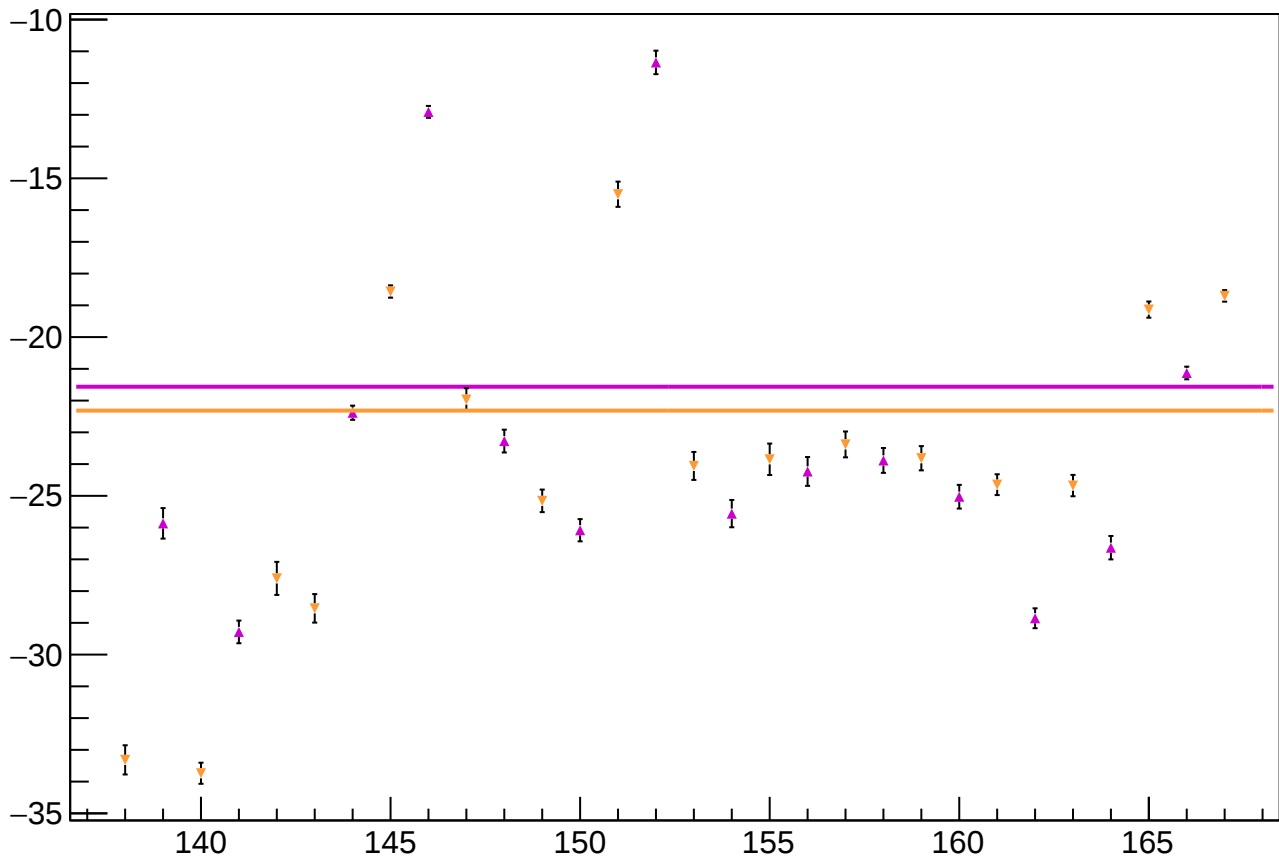
Left In: 0.303 $\pm$ 0.007 χ^2 /NDF:184.2/13

+ sign 0.256 $\pm$ 0.006 χ^2 /NDF: 1813.5/32

All: 0.240 $\pm$ 0.004 χ^2 /NDF: 4048.3/65

- sign 0.222 $\pm$ 0.007 χ^2 /NDF: 2219.8/32

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -22.315 $\pm$ 0.080 χ^2 /NDF:3478.6/15

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

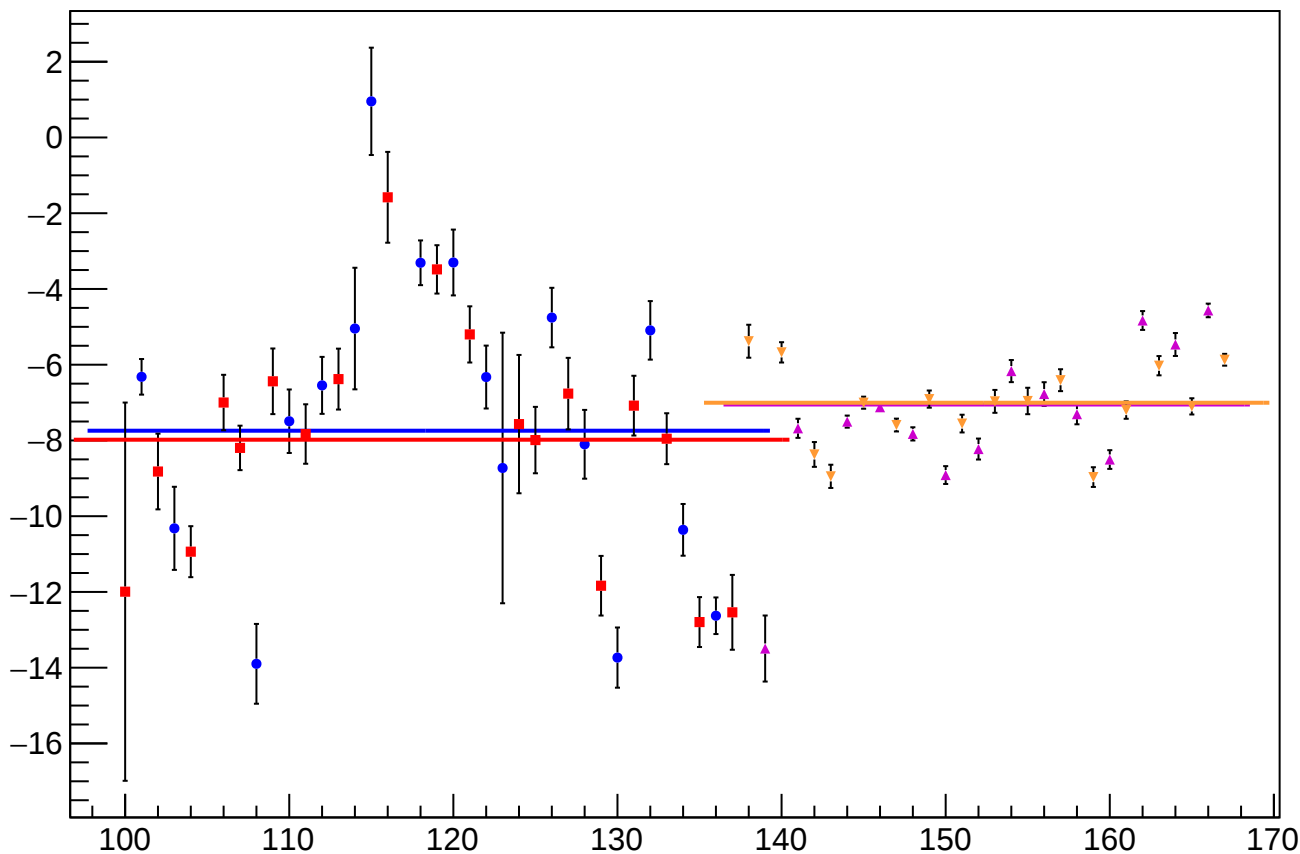
Left In: -21.563 $\pm$ 0.082 χ^2 /NDF:4625.0/13

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

All: -21.947 $\pm$ 0.057 χ^2 /NDF: 8147.0/29

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

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 $\pm$ 0.187 χ^2/NDF : 377.5/16

Left Out: -7.004 $\pm$ 0.058 χ^2/NDF : 243.8/15

Right Out: -7.981 $\pm$ 0.186 χ^2/NDF : 223.5/18

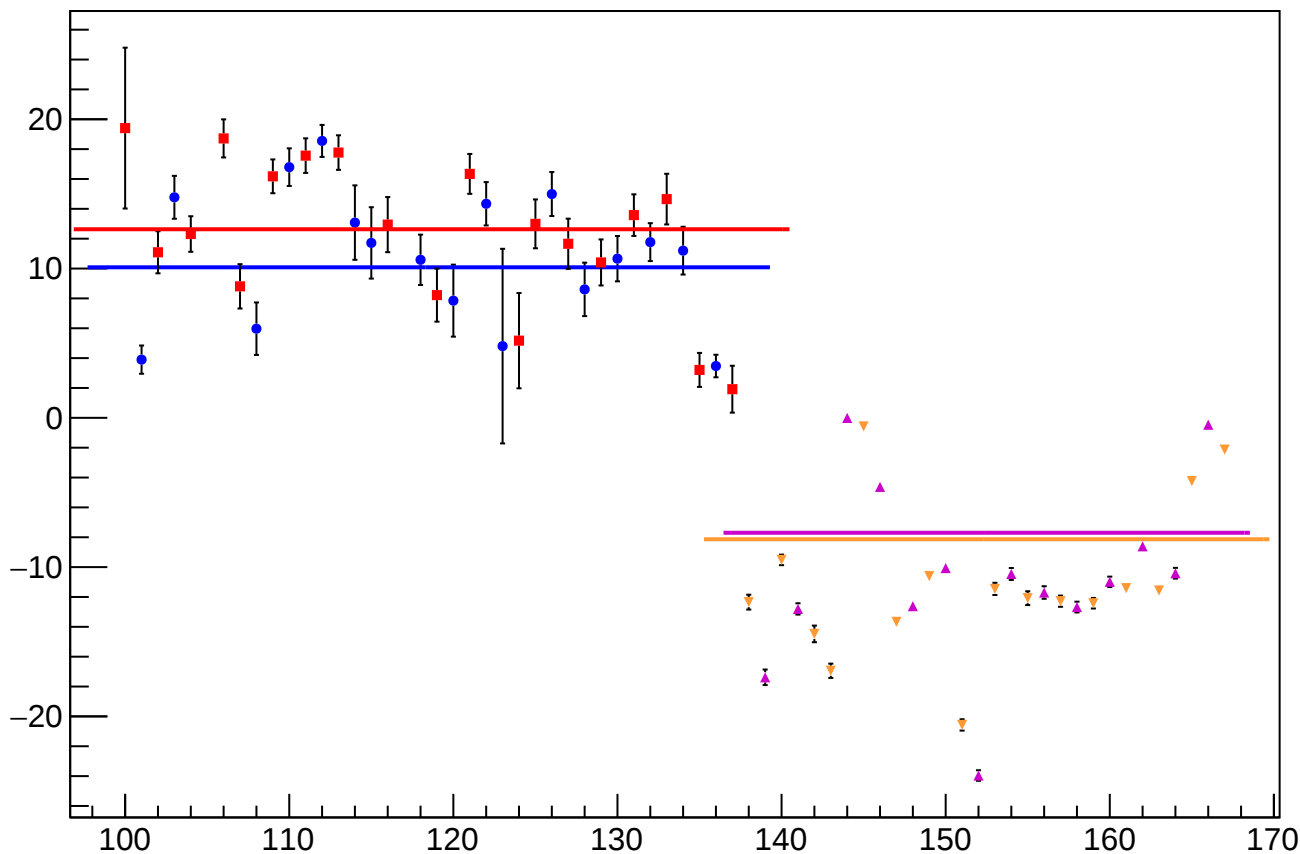
Left In: -7.051 $\pm$ 0.057 χ^2/NDF : 512.4/13

+ sign -7.070 $\pm$ 0.056 χ^2/NDF : 635.6/32

All: -7.101 $\pm$ 0.039 χ^2/NDF : 1394.9/65

- sign -7.132 $\pm$ 0.055 χ^2/NDF : 758.8/32

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -8.135 ± 0.080 χ^2/NDF : 5206.2/15

Right Out: 12.632 ± 0.333 χ^2/NDF : 218.6/18

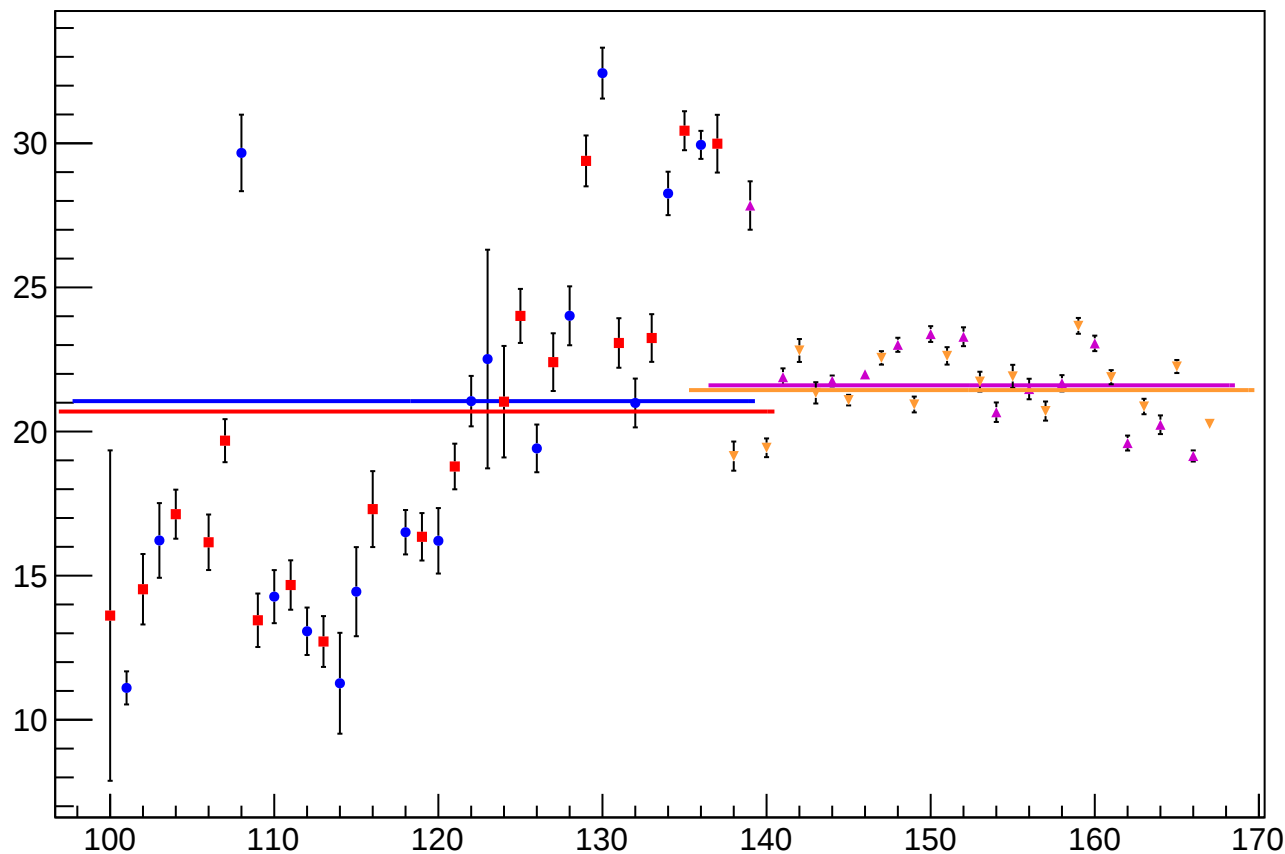
Left In: -7.699 ± 0.080 χ^2/NDF : 5970.6/13

+ sign -7.178 ± 0.077 χ^2/NDF : 8212.6/32

All: -6.883 ± 0.055 χ^2/NDF : 17961.4/65

- sign -6.584 ± 0.078 χ^2/NDF : 9719.5/32

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

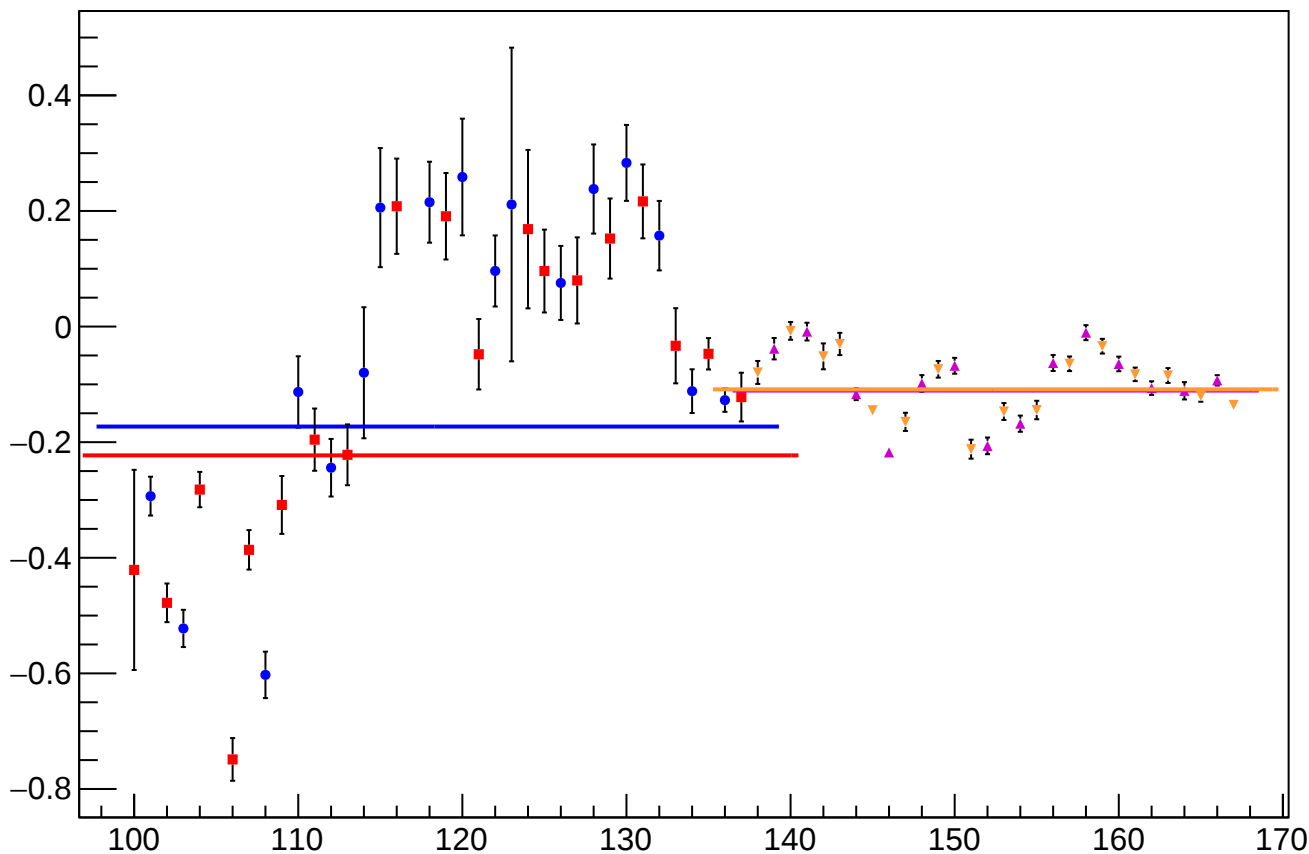
Left In: 21.603 $\pm$ 0.067 χ^2/NDF : 441.4/13

+ sign 21.402 $\pm$ 0.064 χ^2/NDF : 1471.5/32

All: 21.461 $\pm$ 0.045 χ^2/NDF : 2655.2/65

- sign 21.520 $\pm$ 0.064 χ^2/NDF : 1182.1/32

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 $\chi^2/\text{NDF}: 461.8/16$

Left Out: -0.109 ± 0.003 $\chi^2/\text{NDF}: 227.9/15$

Right Out: -0.223 ± 0.011 $\chi^2/\text{NDF}: 535.1/18$

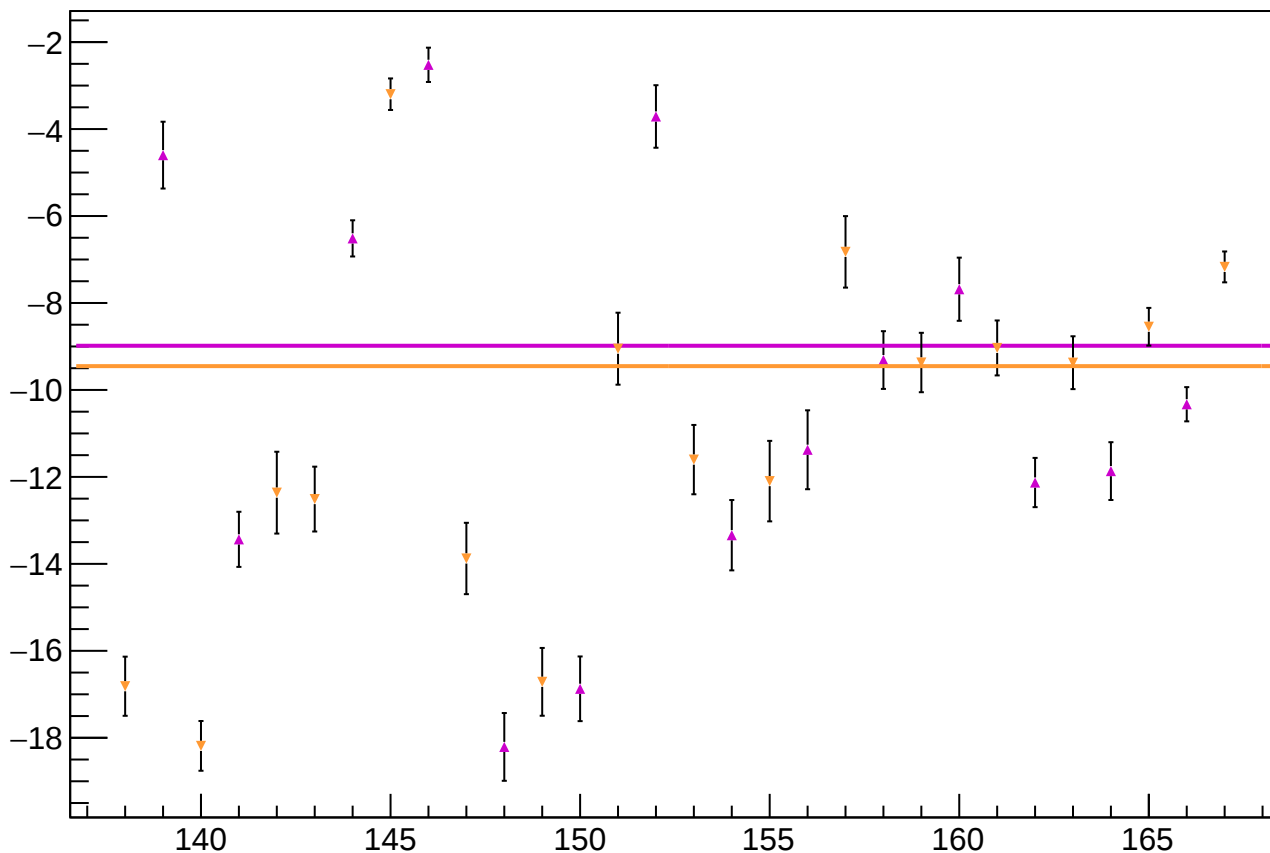
Left In: -0.111 ± 0.003 $\chi^2/\text{NDF}: 380.4/13$

+ sign -0.113 ± 0.003 $\chi^2/\text{NDF}: 720.3/32$

All: -0.117 ± 0.002 $\chi^2/\text{NDF}: 1734.1/65$

- sign -0.120 ± 0.003 $\chi^2/\text{NDF}: 1011.5/32$

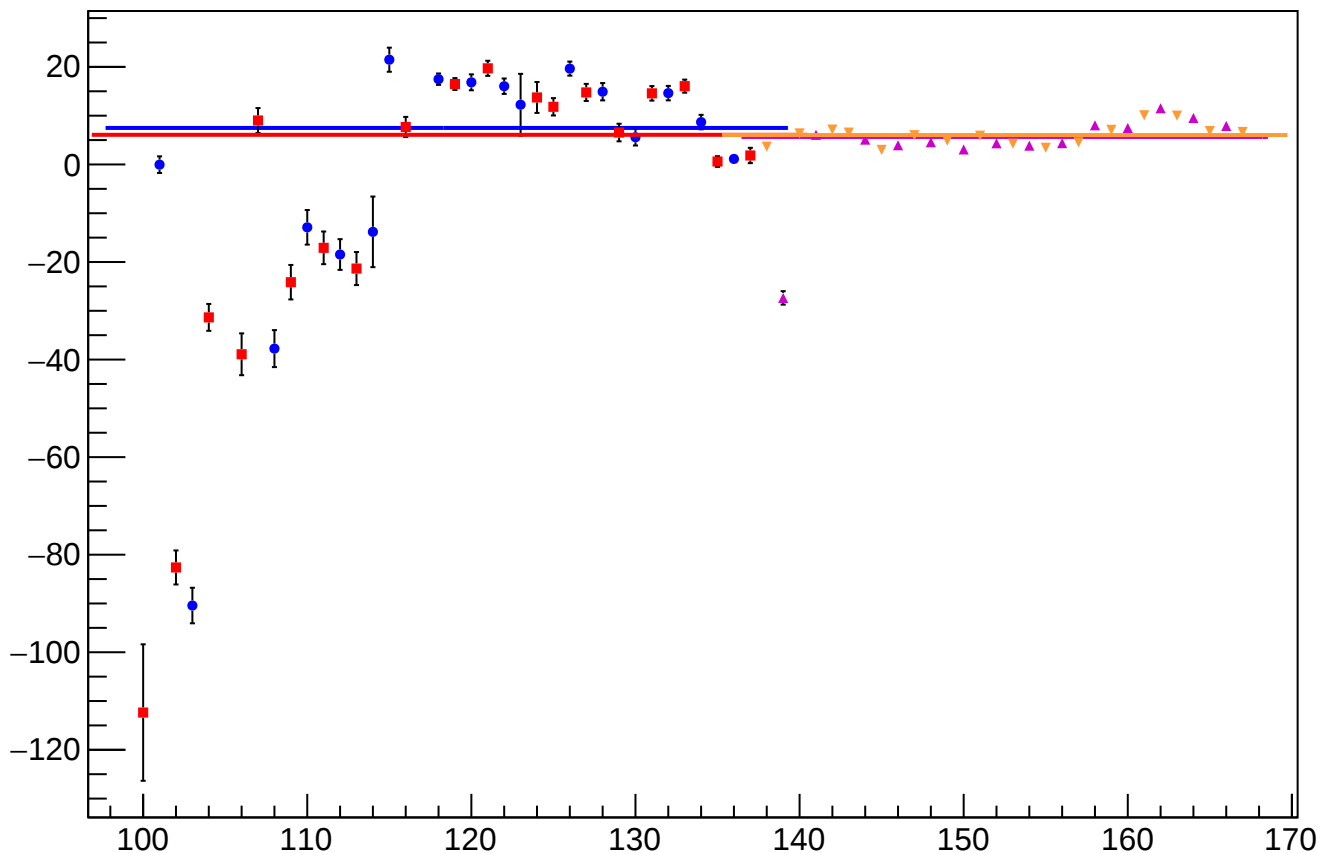
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.452 $\pm$ 0.149 χ^2 /NDF:861.8/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -8.984 $\pm$ 0.157 χ^2 /NDF:792.6/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -9.231 $\pm$ 0.108 χ^2 /NDF: 1659.0/29
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 6.032 ± 0.110 χ^2/NDF : 342.1/15

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

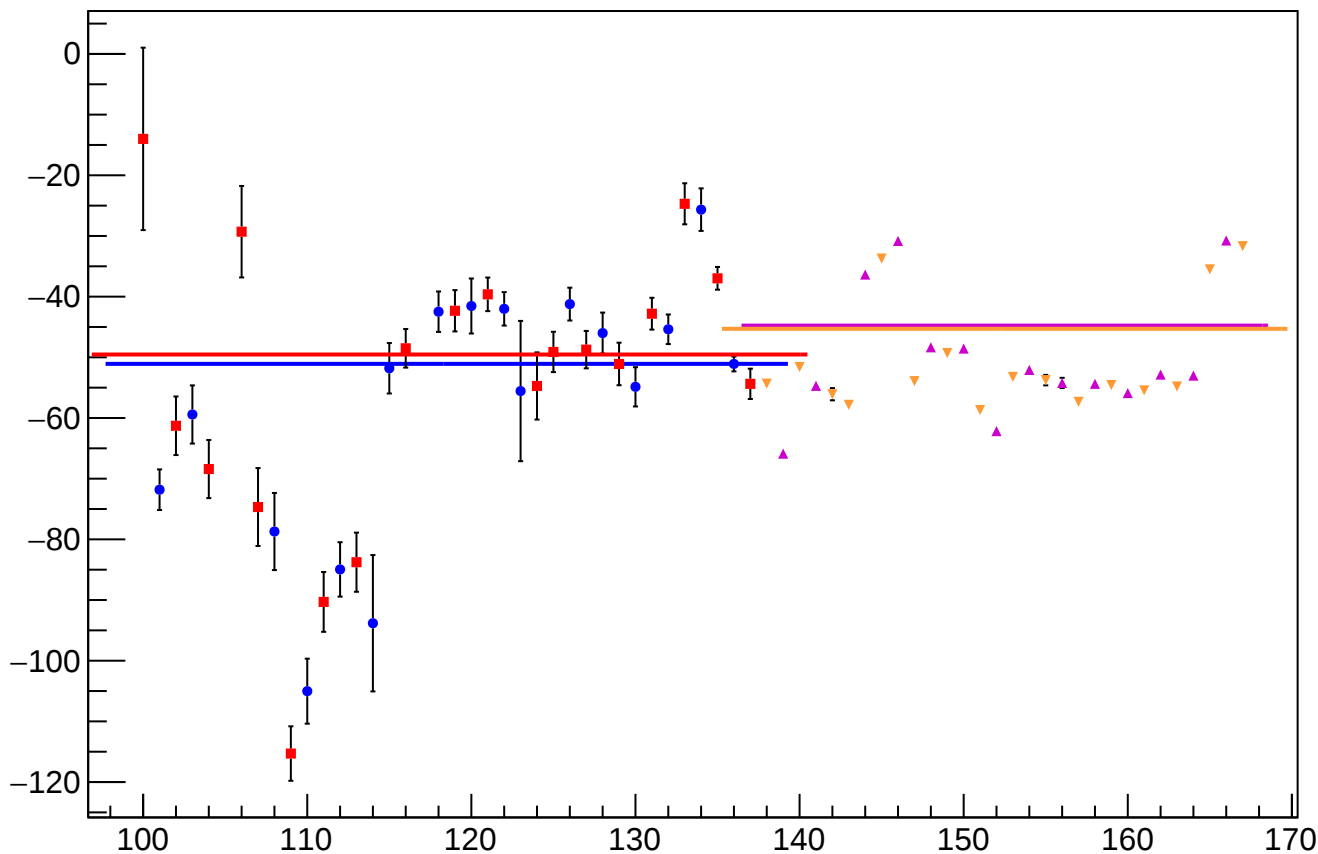
Left In: 5.639 ± 0.113 χ^2/NDF : 978.9/13

+ sign 6.132 ± 0.107 χ^2/NDF : 1694.6/32

All: 5.905 ± 0.076 χ^2/NDF : 4195.8/65

- sign 5.666 ± 0.109 χ^2/NDF : 2491.9/32

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

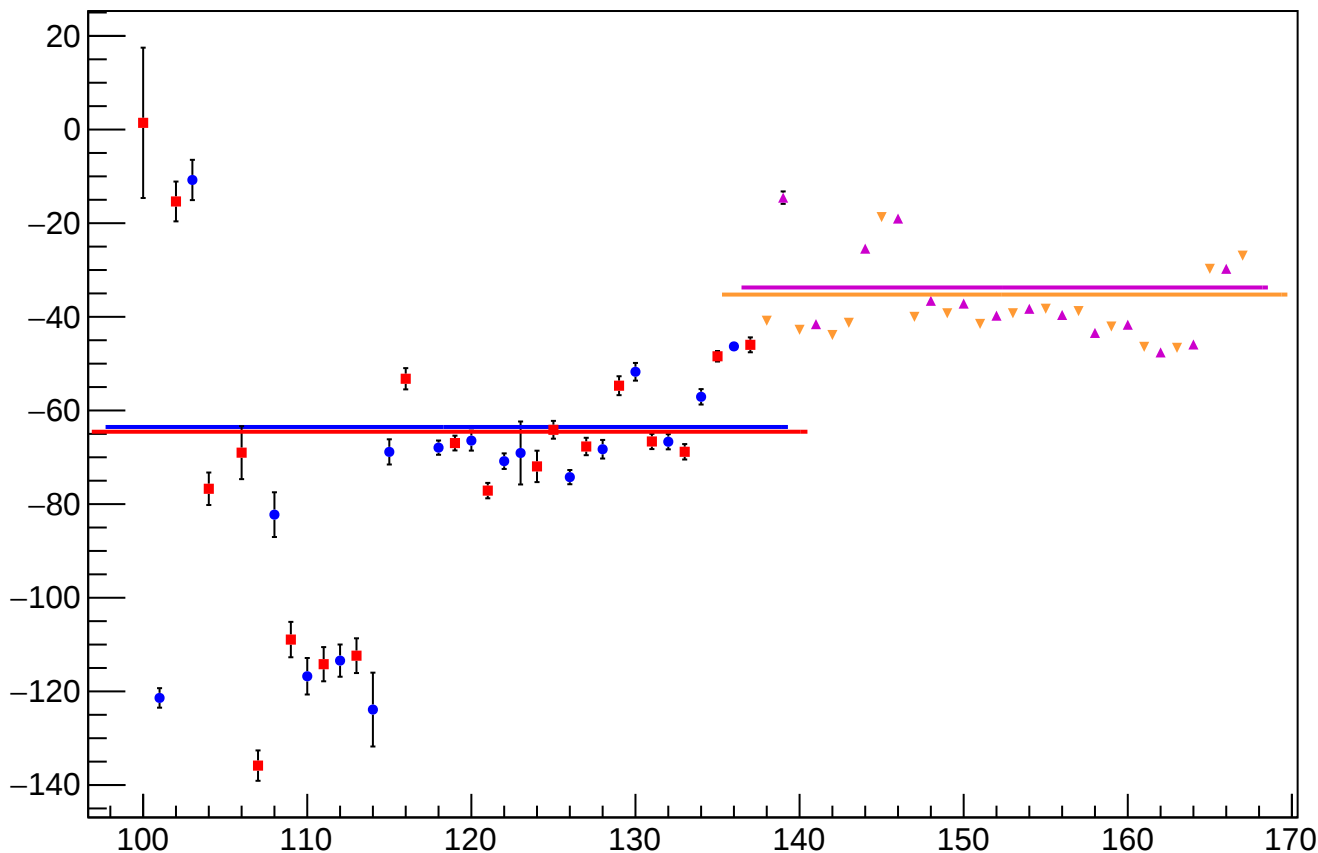
Left In: -44.772 ± 0.155 χ^2/NDF : 5605.2/13

+ sign -45.522 ± 0.146 χ^2/NDF : 5490.0/32

All: -45.245 ± 0.105 χ^2/NDF : 11646.6/65

- sign -44.945 ± 0.152 χ^2/NDF : 6149.1/32

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -35.246 ± 0.127 χ^2/NDF : 5364.2/15

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

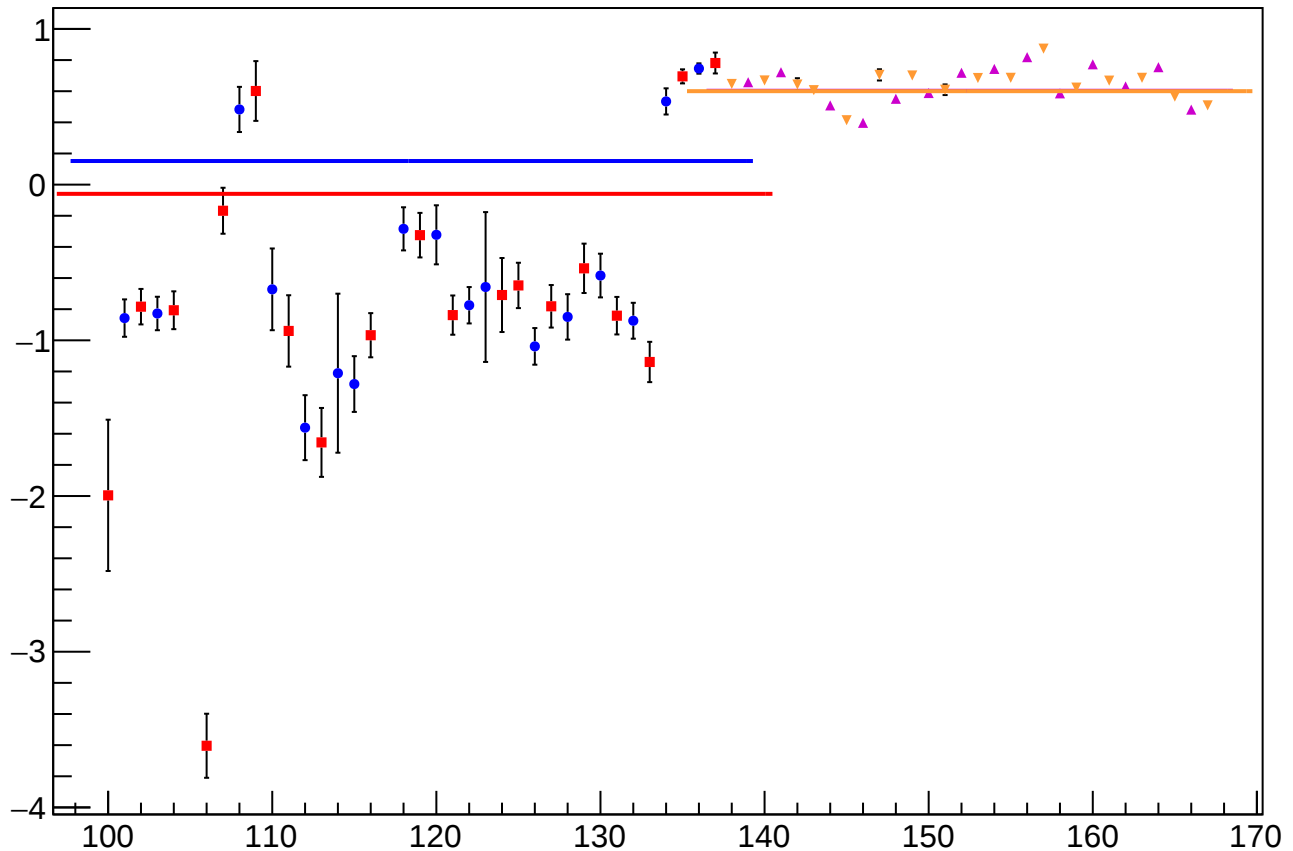
Left In: -33.731 ± 0.131 χ^2/NDF : 5487.3/13

+ sign -37.330 ± 0.122 χ^2/NDF : 11055.1/32

All: -36.620 ± 0.088 χ^2/NDF : 22005.4/65

- sign -35.852 ± 0.127 χ^2/NDF : 10879.6/32

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 $\pm$ 0.024 χ^2 /NDF: 987.4/16

Left Out: 0.600 $\pm$ 0.006 χ^2 /NDF: 379.3/15

Right Out: -0.059 $\pm$ 0.026 χ^2 /NDF: 1161.9/18

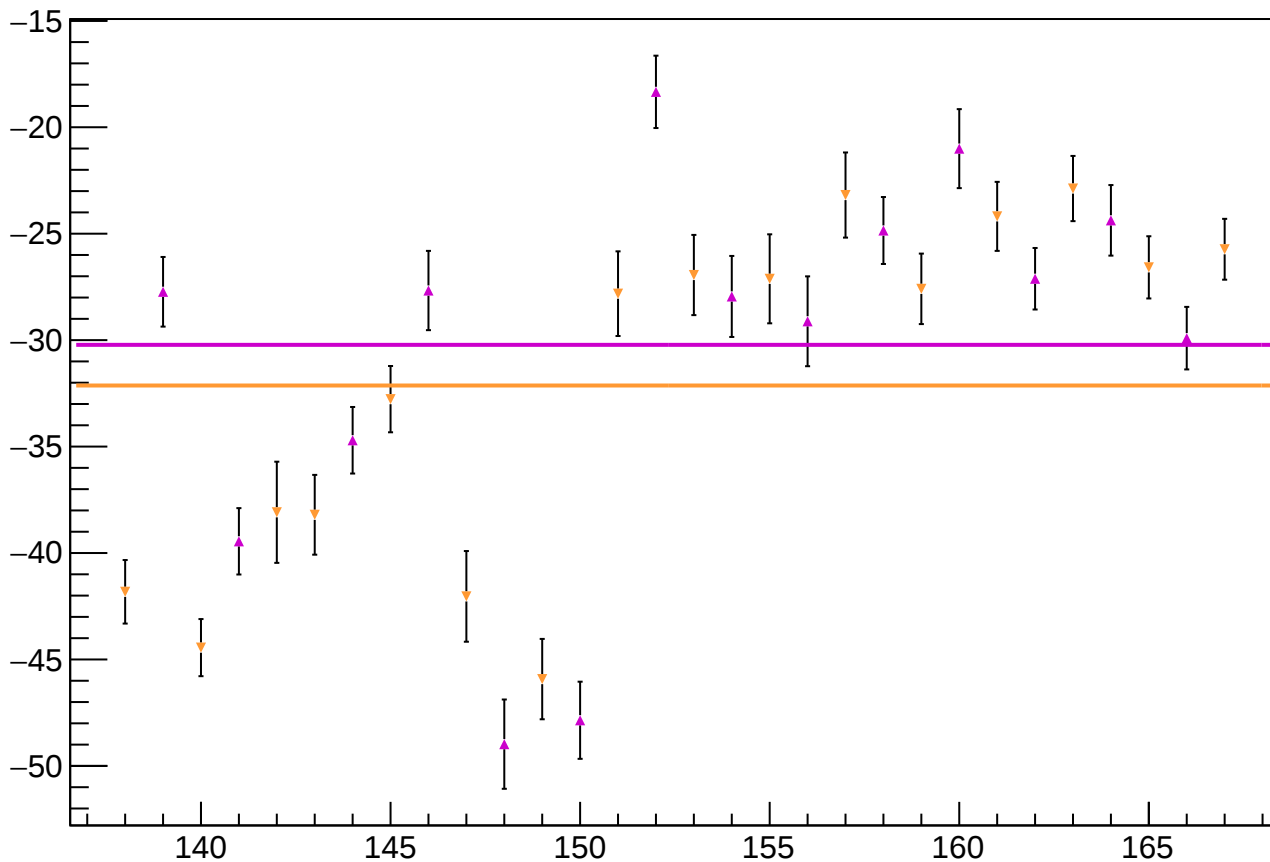
Left In: 0.603 $\pm$ 0.006 χ^2 /NDF: 417.4/13

+ sign 0.575 $\pm$ 0.006 χ^2 /NDF: 1695.2/32

All: 0.571 $\pm$ 0.004 χ^2 /NDF: 3874.8/65

- sign 0.567 $\pm$ 0.006 χ^2 /NDF: 2178.7/32

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

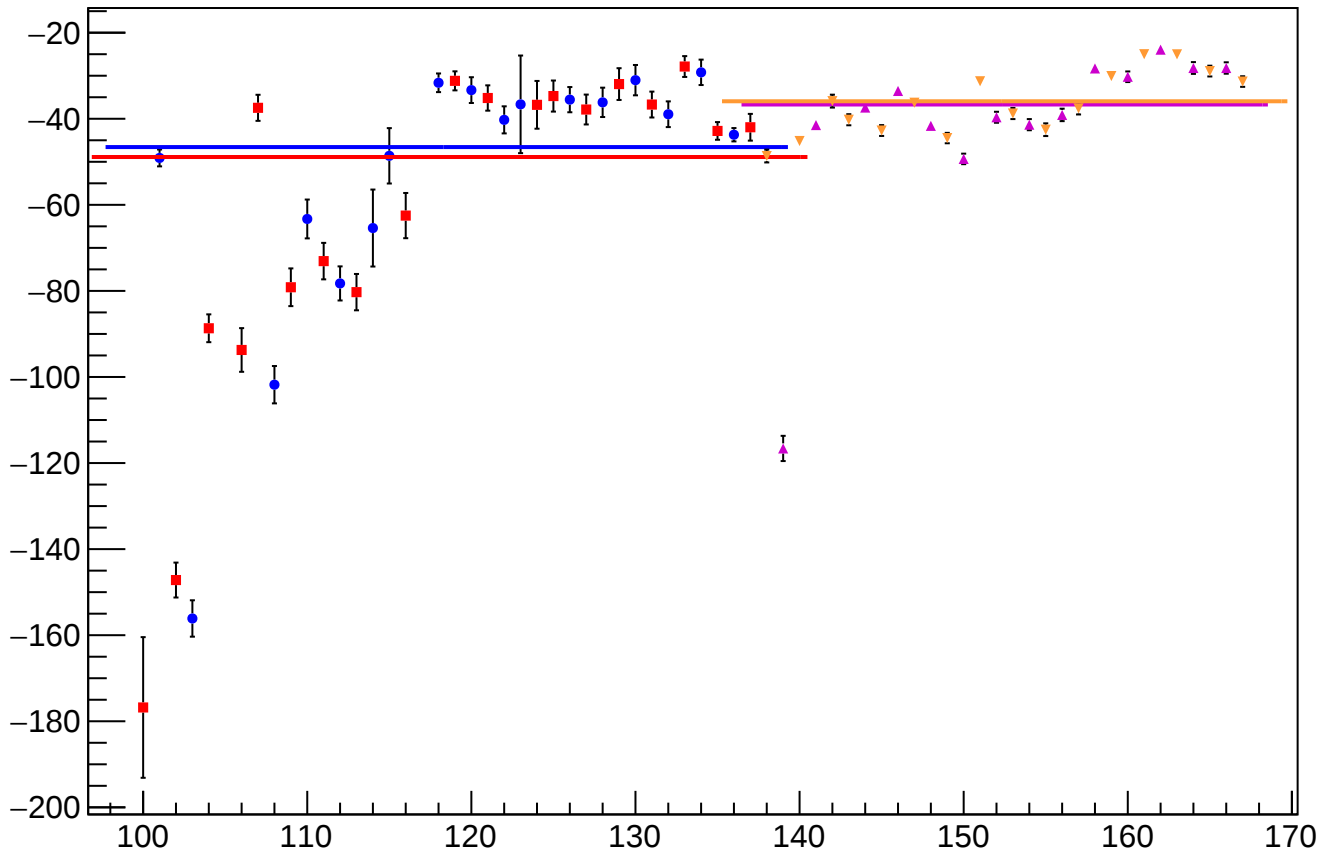
Left In: -30.222+/-0.453 χ^2/NDF : 326.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.237+/-0.310 χ^2/NDF : 694.6/29

- 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

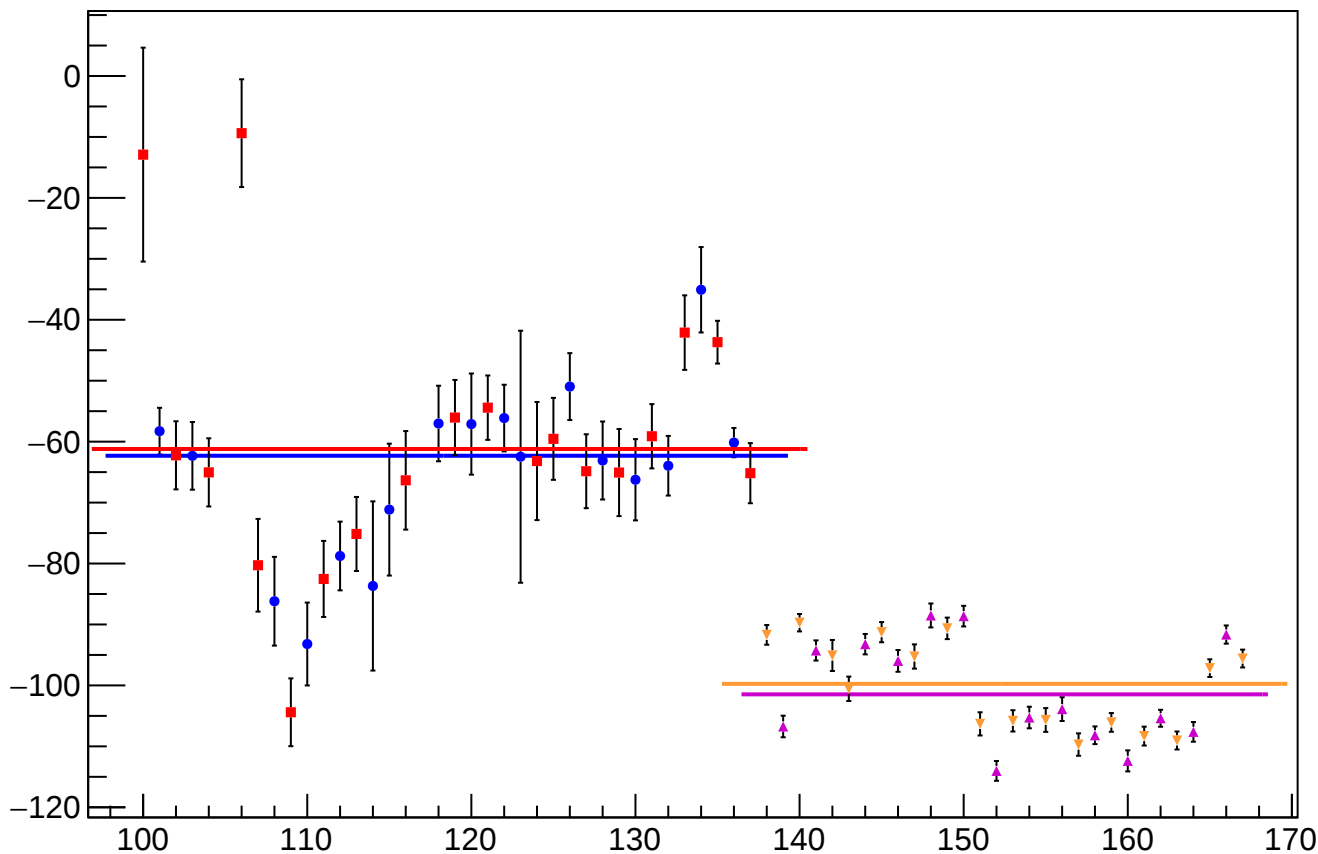
Left In: -36.688 ± 0.330 χ^2/NDF : 1209.5/13

+ sign -37.555 ± 0.285 χ^2/NDF : 1785.1/32

All: -38.050 ± 0.207 χ^2/NDF : 4493.7/65

- sign -38.612 ± 0.303 χ^2/NDF : 2702.1/32

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -99.742 ± 0.422 χ^2/NDF : 296.4/15

Right Out: -61.203 ± 1.381 χ^2/NDF : 165.0/18

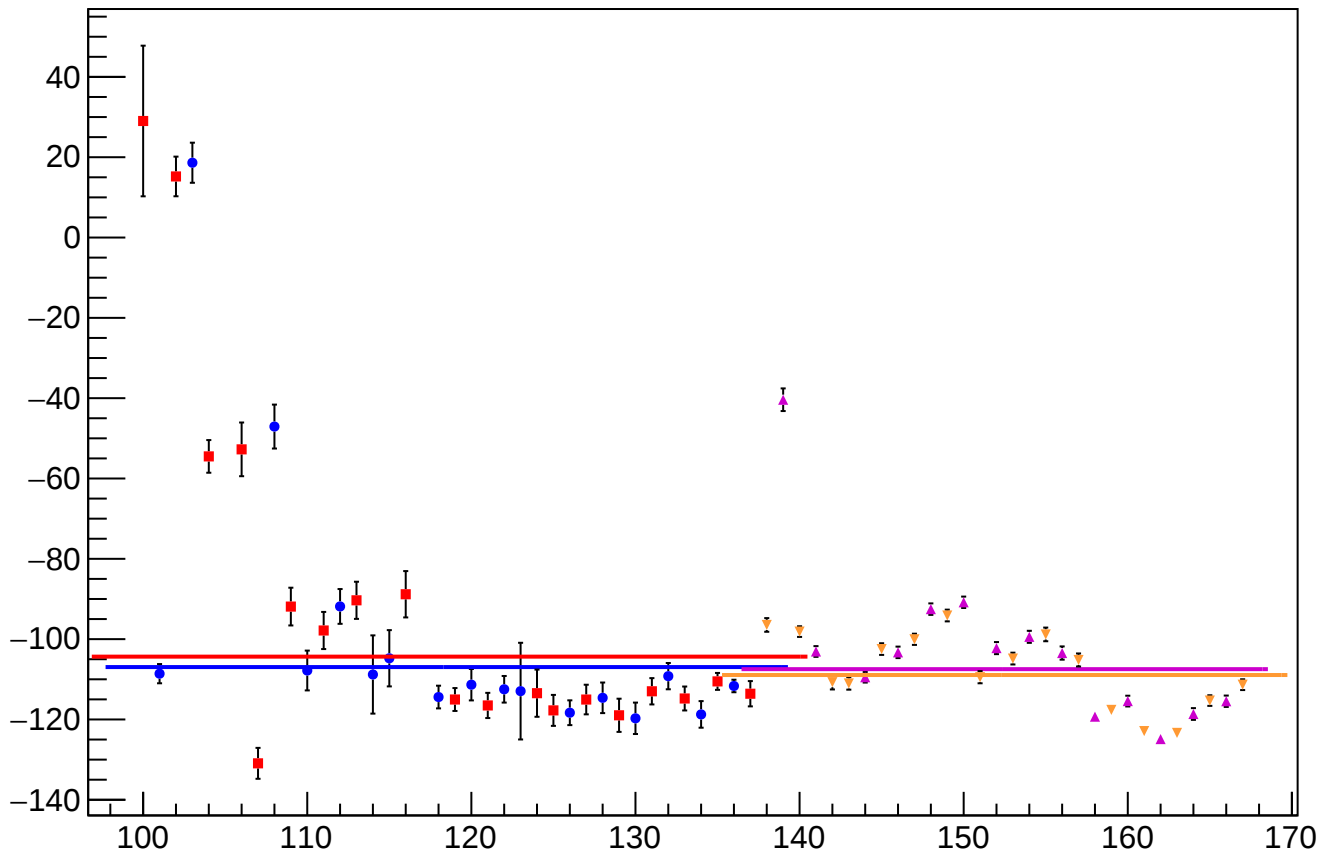
Left In: -101.466 ± 0.444 χ^2/NDF : 355.1/13

+ sign -96.252 ± 0.402 χ^2/NDF : 1097.4/32

All: -96.939 ± 0.291 χ^2/NDF : 2394.2/65

- sign -97.699 ± 0.422 χ^2/NDF : 1290.6/32

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 $\chi^2/\text{NDF}: 1021.0/18$

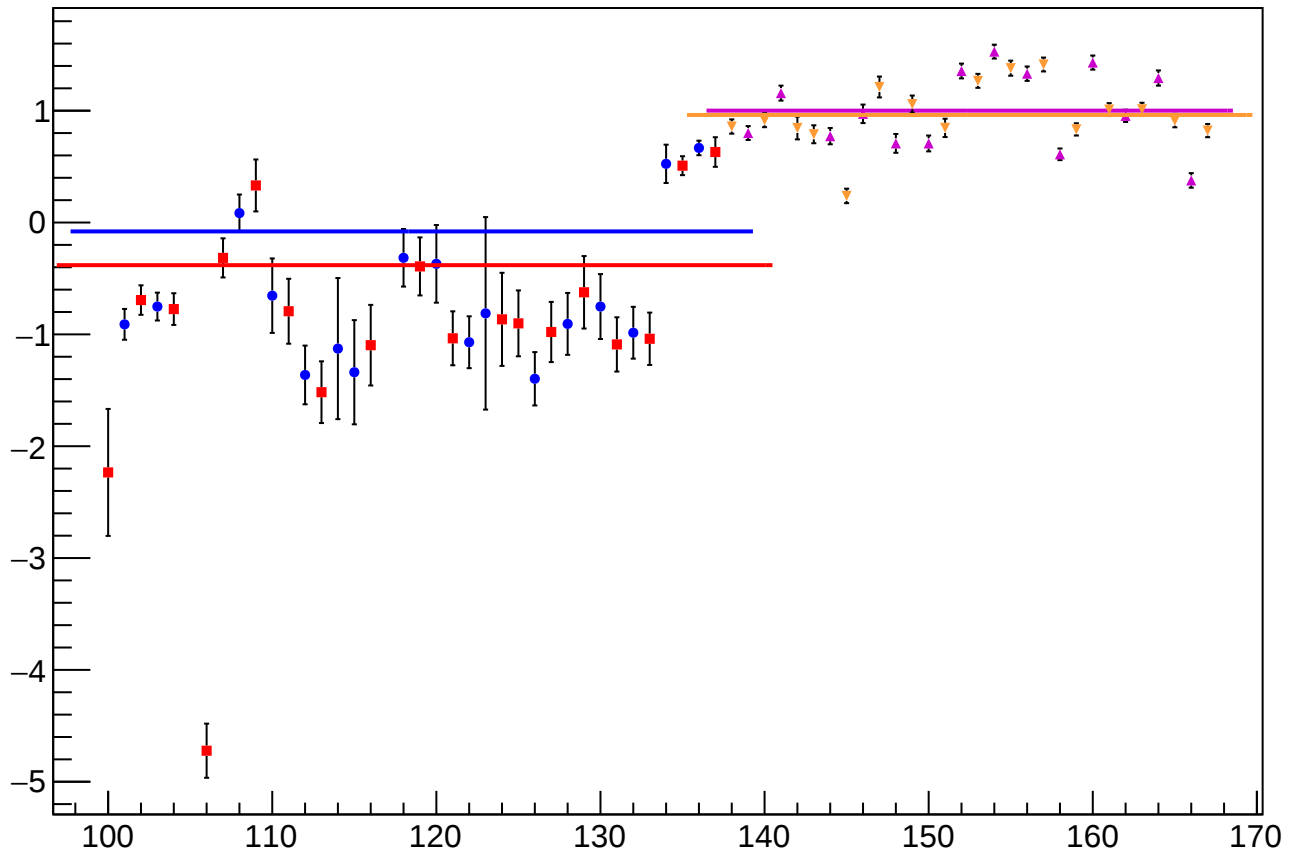
Left In: -107.472 ± 0.379 $\chi^2/\text{NDF}: 1323.4/13$

+ sign -108.618 ± 0.326 $\chi^2/\text{NDF}: 1516.9/32$

All: -107.843 ± 0.238 $\chi^2/\text{NDF}: 3884.3/65$

- sign -106.967 ± 0.347 $\chi^2/\text{NDF}: 2355.4/32$

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

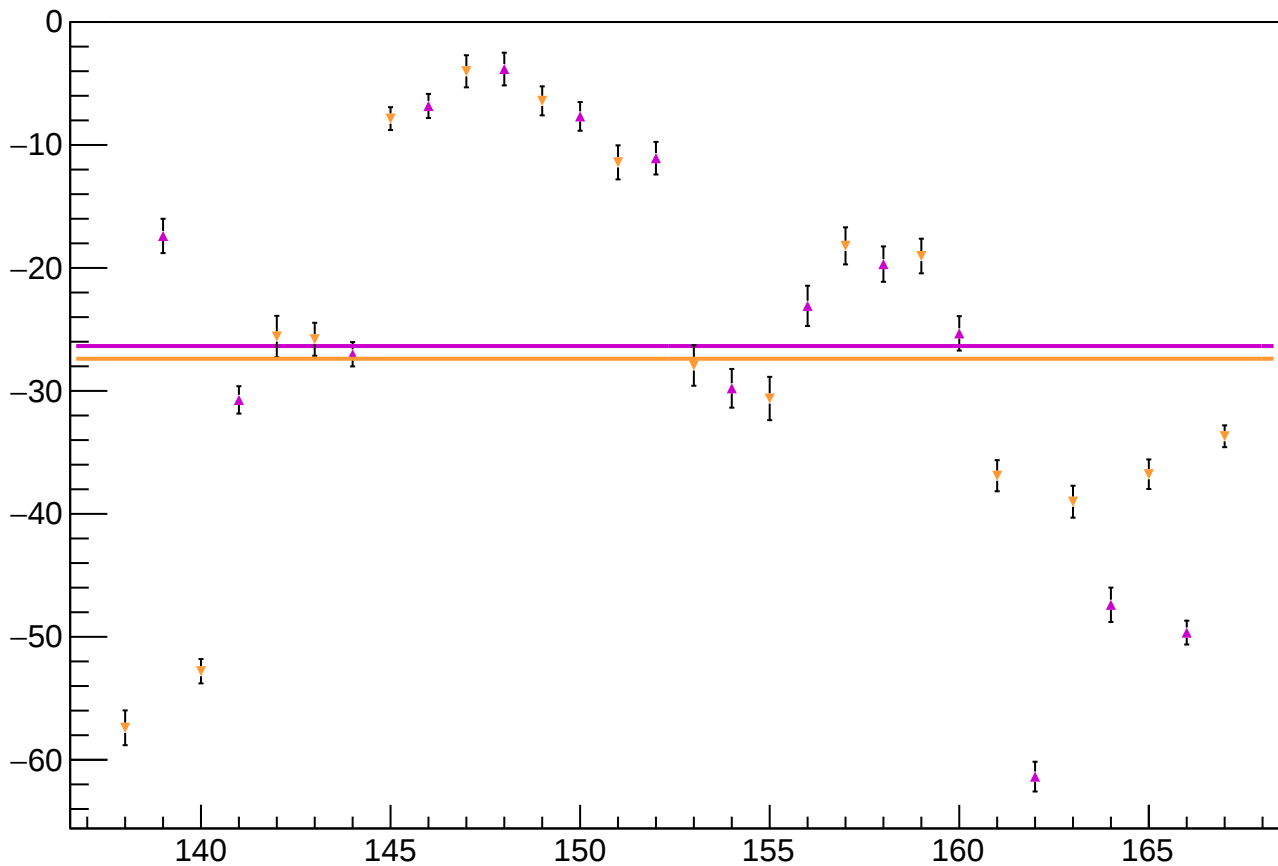
Left In: 1.001 ± 0.017 χ^2/NDF : 395.3/13

+ sign 0.823 ± 0.015 χ^2/NDF : 1127.2/32

All: 0.818 ± 0.011 χ^2/NDF : 2955.2/65

- sign 0.813 ± 0.016 χ^2/NDF : 1827.7/32

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

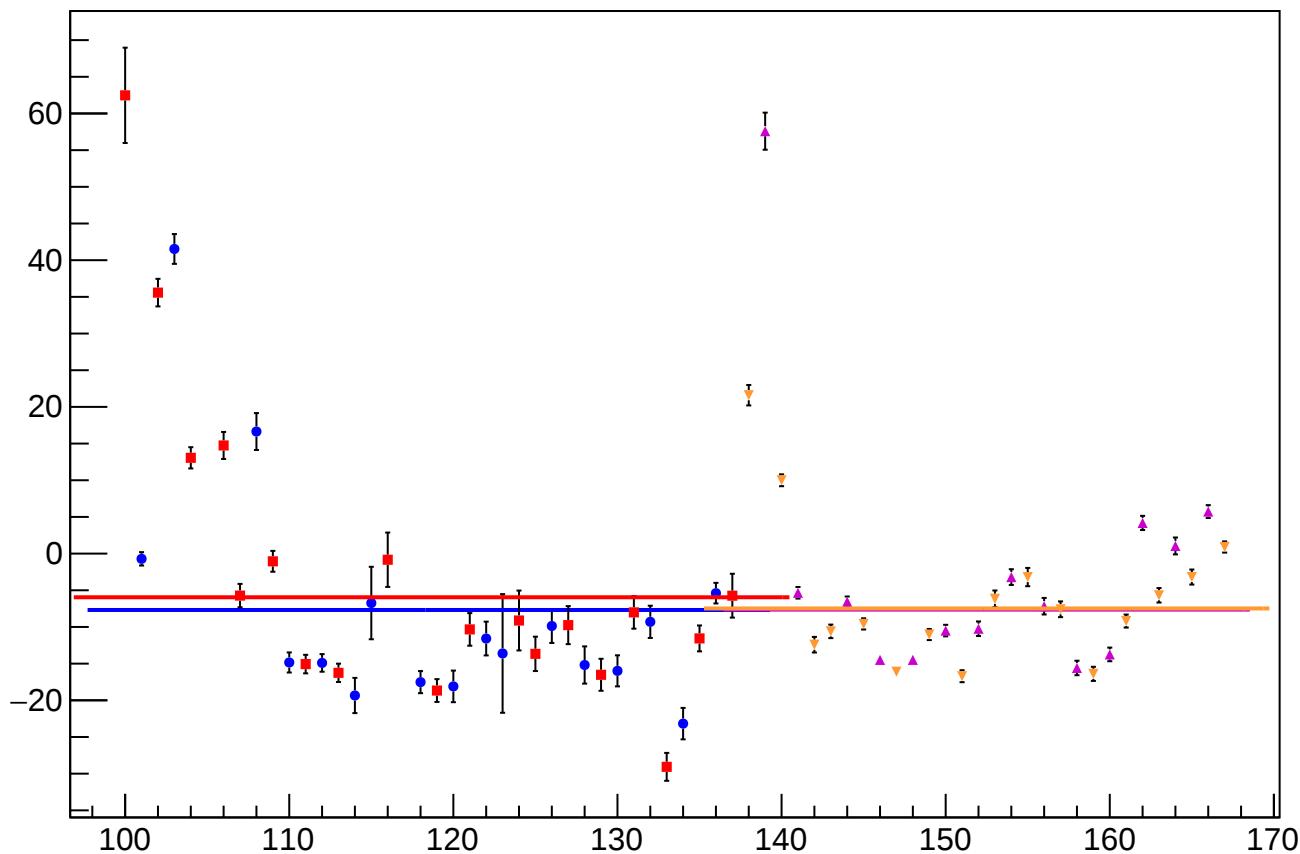
Left In: -26.350+/-0.328 χ^2/NDF : 2800.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -26.891+/-0.226 χ^2/NDF : 5451.9/29

- 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

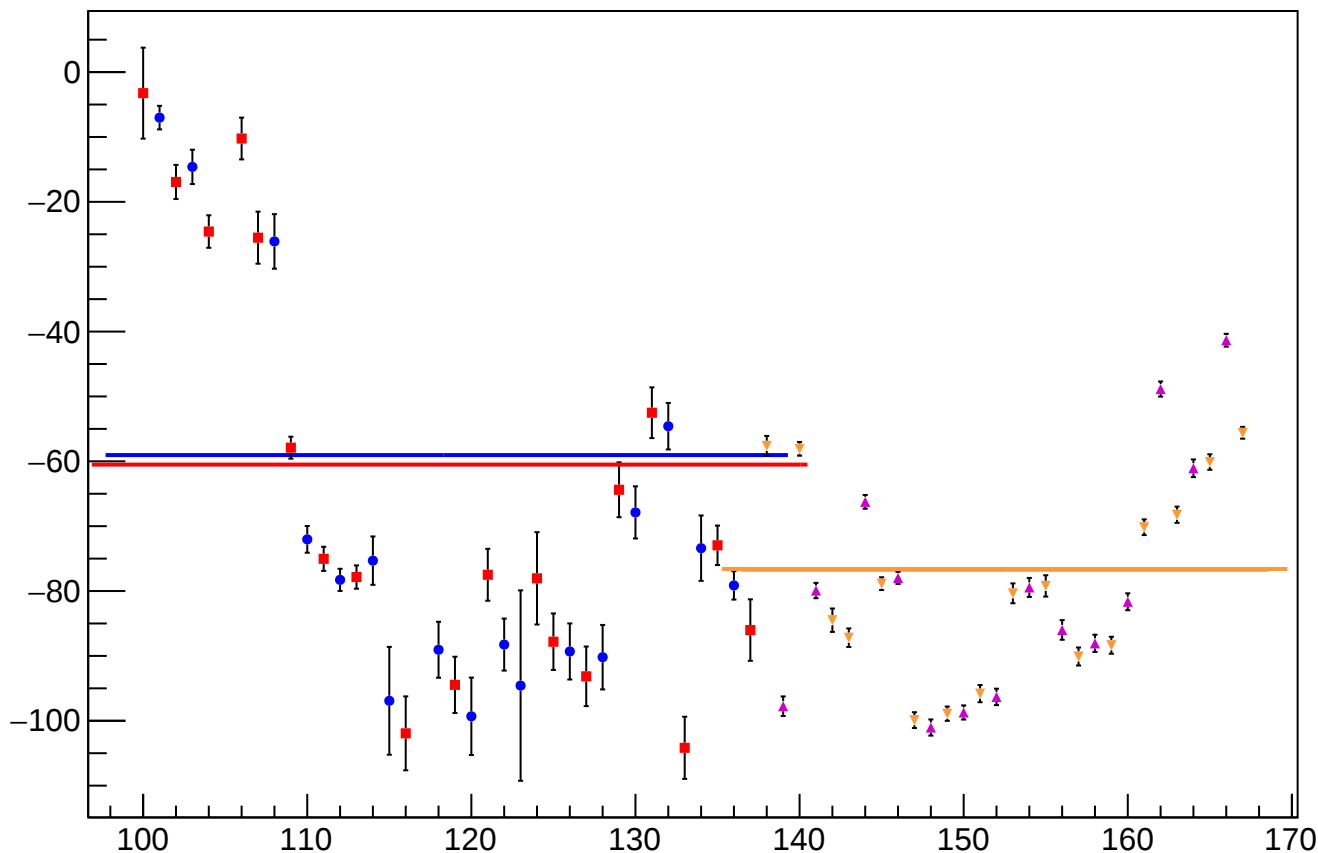
Left In: -7.636 ± 0.233 χ^2/NDF : 1495.6/13

+ sign -7.524 ± 0.199 χ^2/NDF : 2504.1/32

All: -7.392 ± 0.143 χ^2/NDF : 5310.6/65

- sign -7.252 ± 0.205 χ^2/NDF : 2805.6/32

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 +/- 0.746 χ^2/NDF : 1709.5/16

Left Out: -76.595 +/- 0.311 χ^2/NDF : 2506.7/15

Right Out: -60.507 +/- 0.704 χ^2/NDF : 1384.8/18

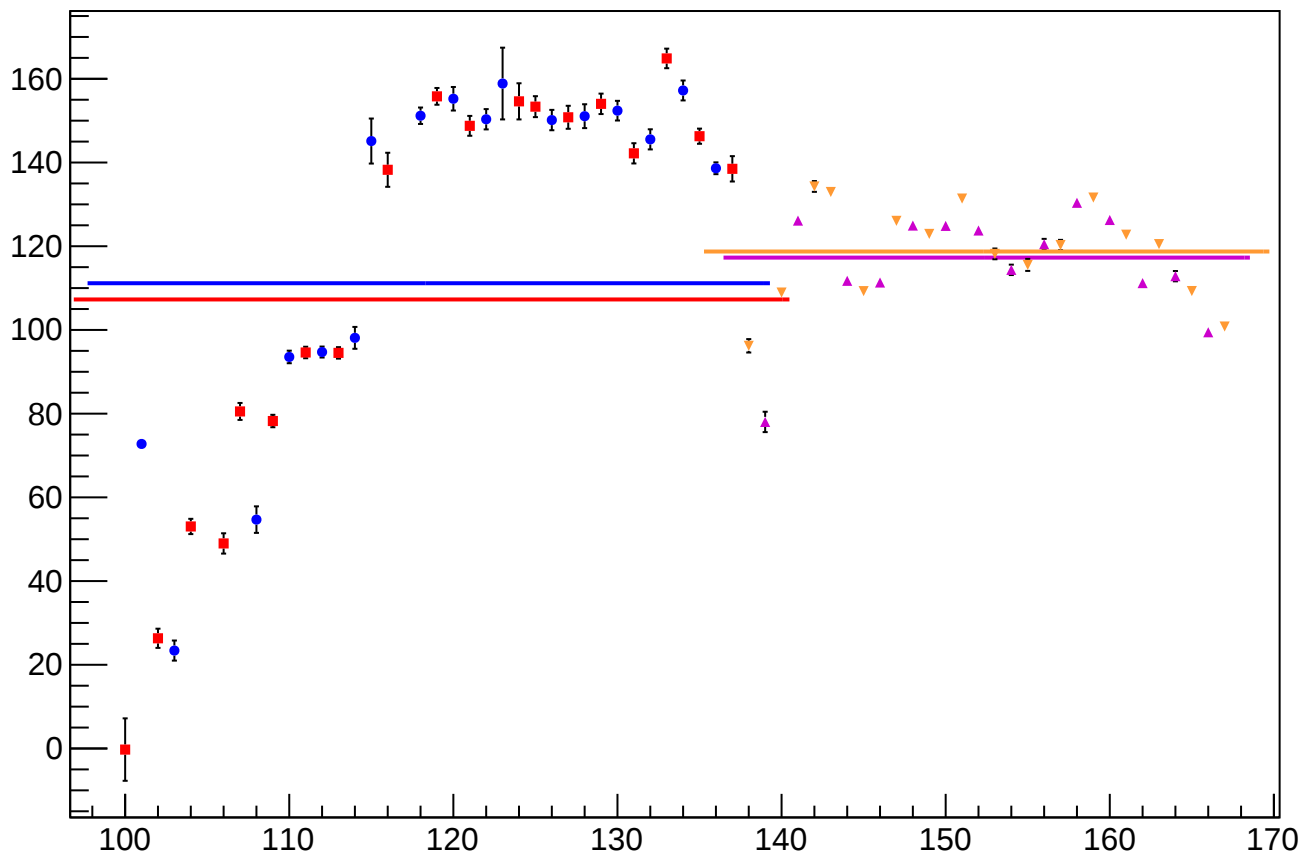
Left In: -76.659 +/- 0.322 χ^2/NDF : 3438.5/13

+ sign -73.996 +/- 0.287 χ^2/NDF : 4688.5/32

All: -73.931 +/- 0.205 χ^2/NDF : 9946.7/65

- sign -73.864 +/- 0.293 χ^2/NDF : 5258.1/32

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

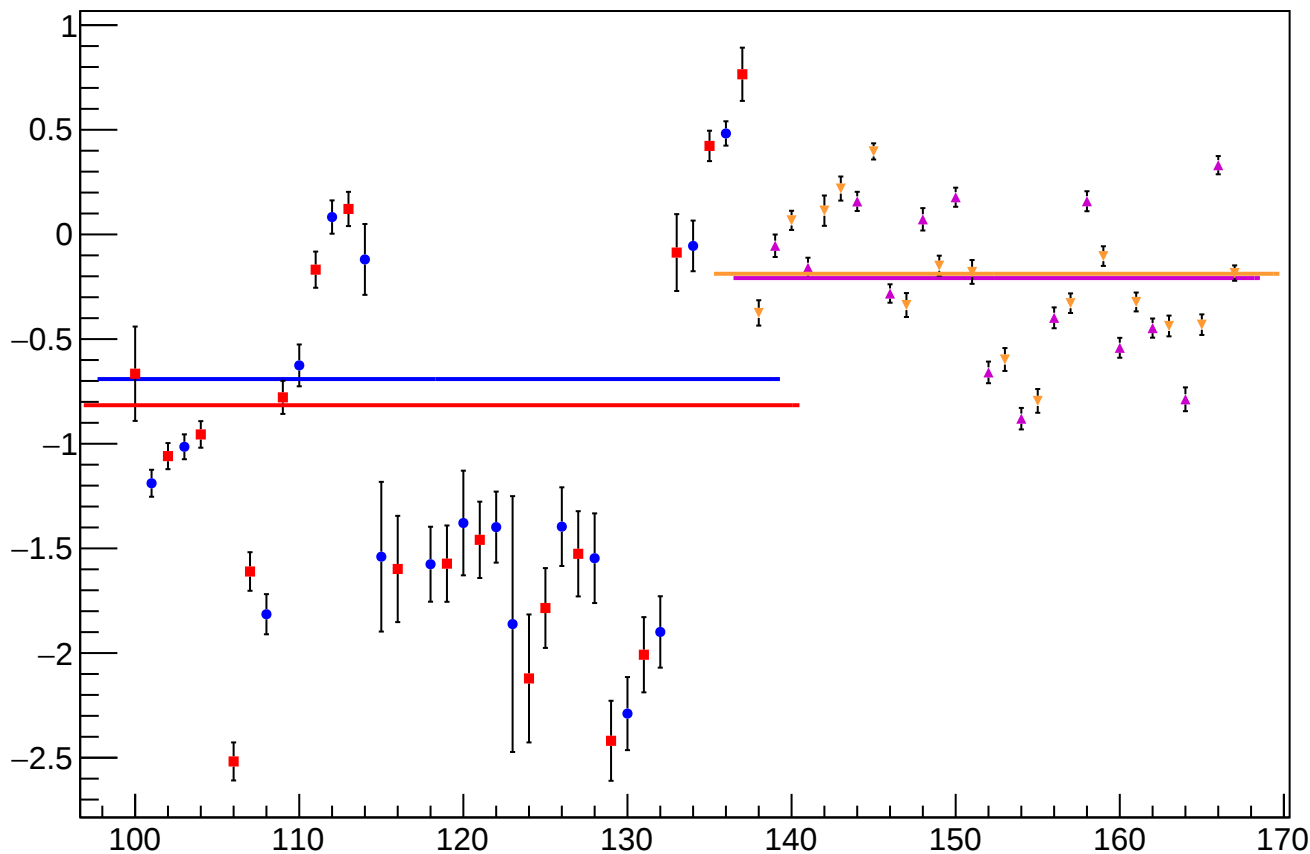
Left In: 117.282 $\pm$ 0.273 χ^2 /NDF: 1278.9/13

+ sign 117.057 $\pm$ 0.230 χ^2 /NDF: 7755.7/32

All: 116.015 $\pm$ 0.165 χ^2 /NDF: 16452.4/65

- sign 114.902 $\pm$ 0.238 χ^2 /NDF: 8654.3/32

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

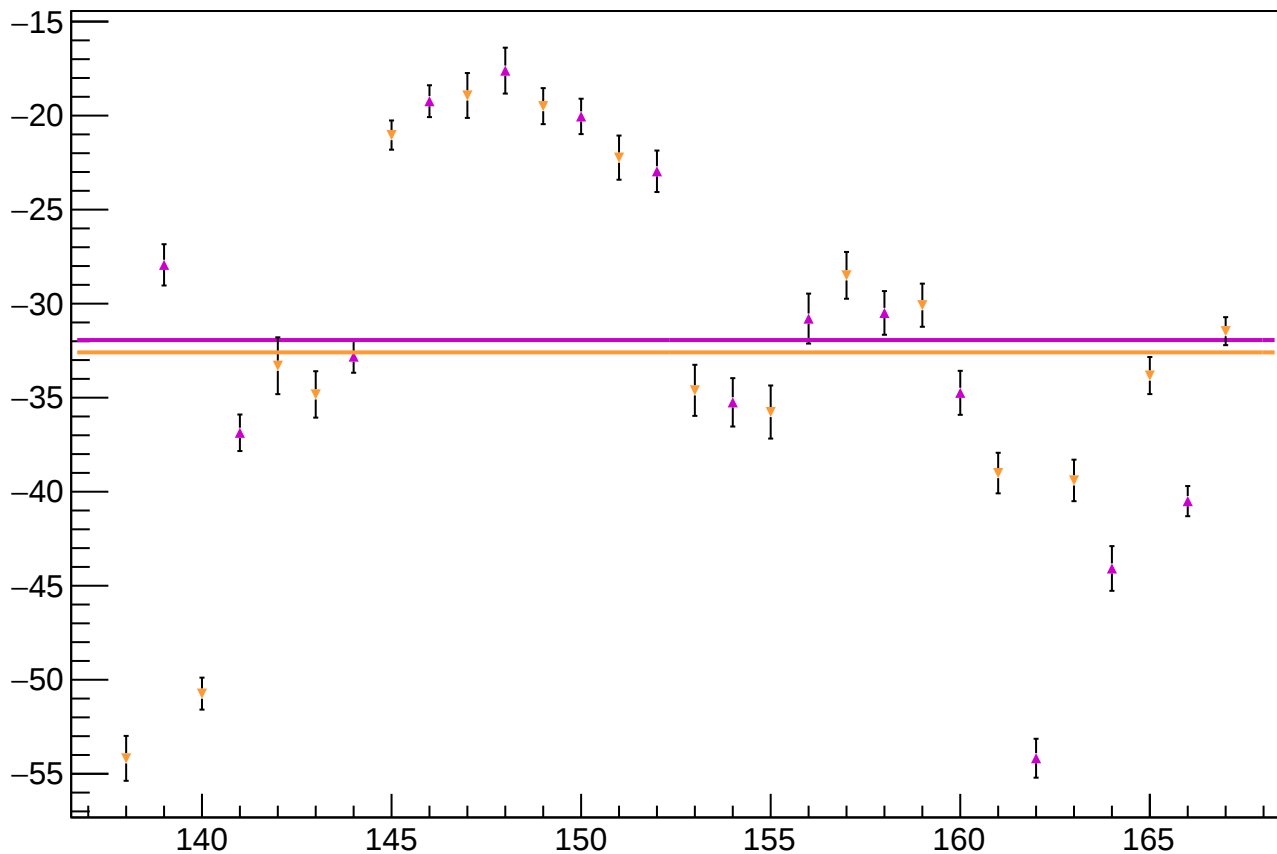
Left In: -0.209 ± 0.013 χ^2/NDF : 830.0/13

+ sign -0.281 ± 0.011 χ^2/NDF : 1886.2/32

All: -0.311 ± 0.008 χ^2/NDF : 4519.7/65

- sign -0.342 ± 0.011 χ^2/NDF : 2618.9/32

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

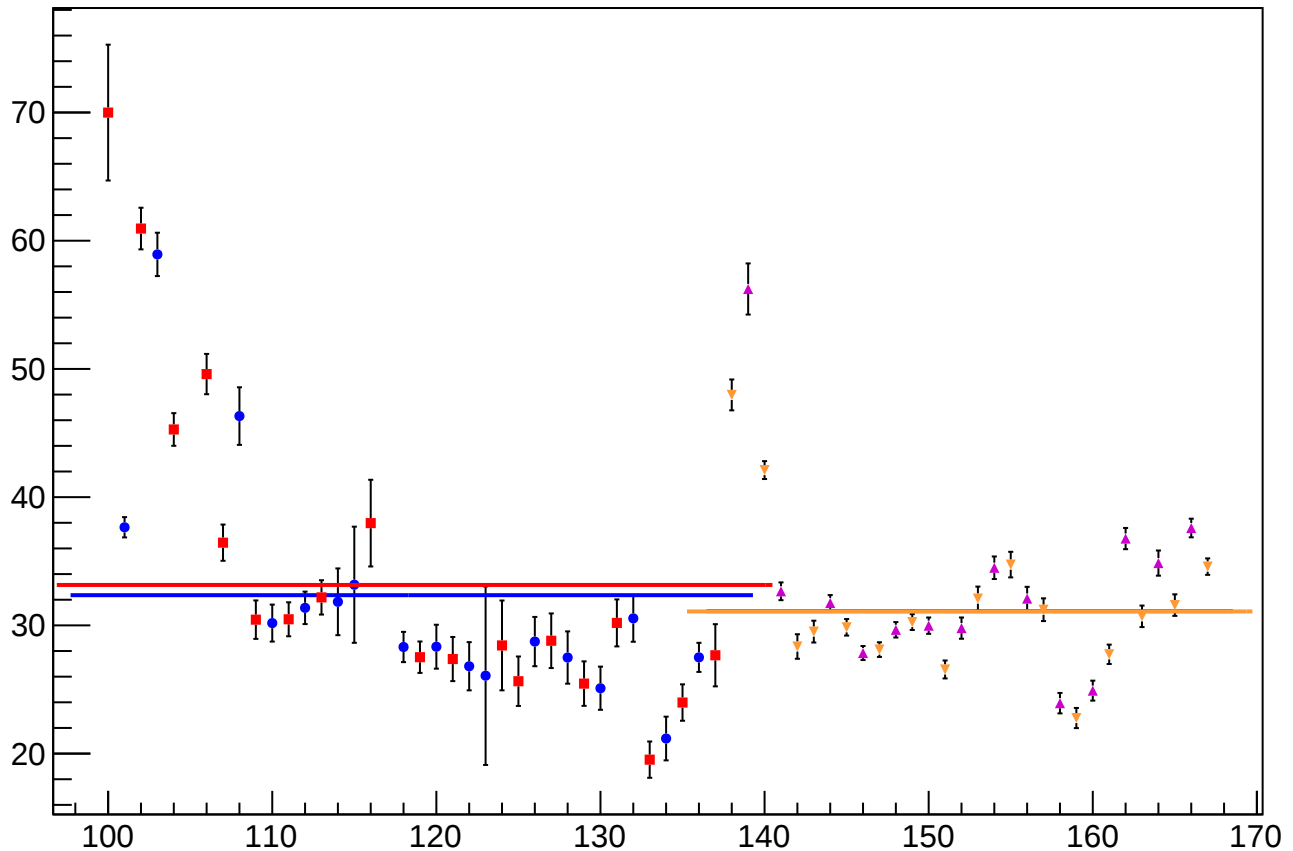
Left In: -31.935 ± 0.276 χ^2/NDF : 1323.8/13

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -32.278 ± 0.191 χ^2/NDF : 2830.6/29

- 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 $\chi^2/\text{NDF}: 772.0/18$

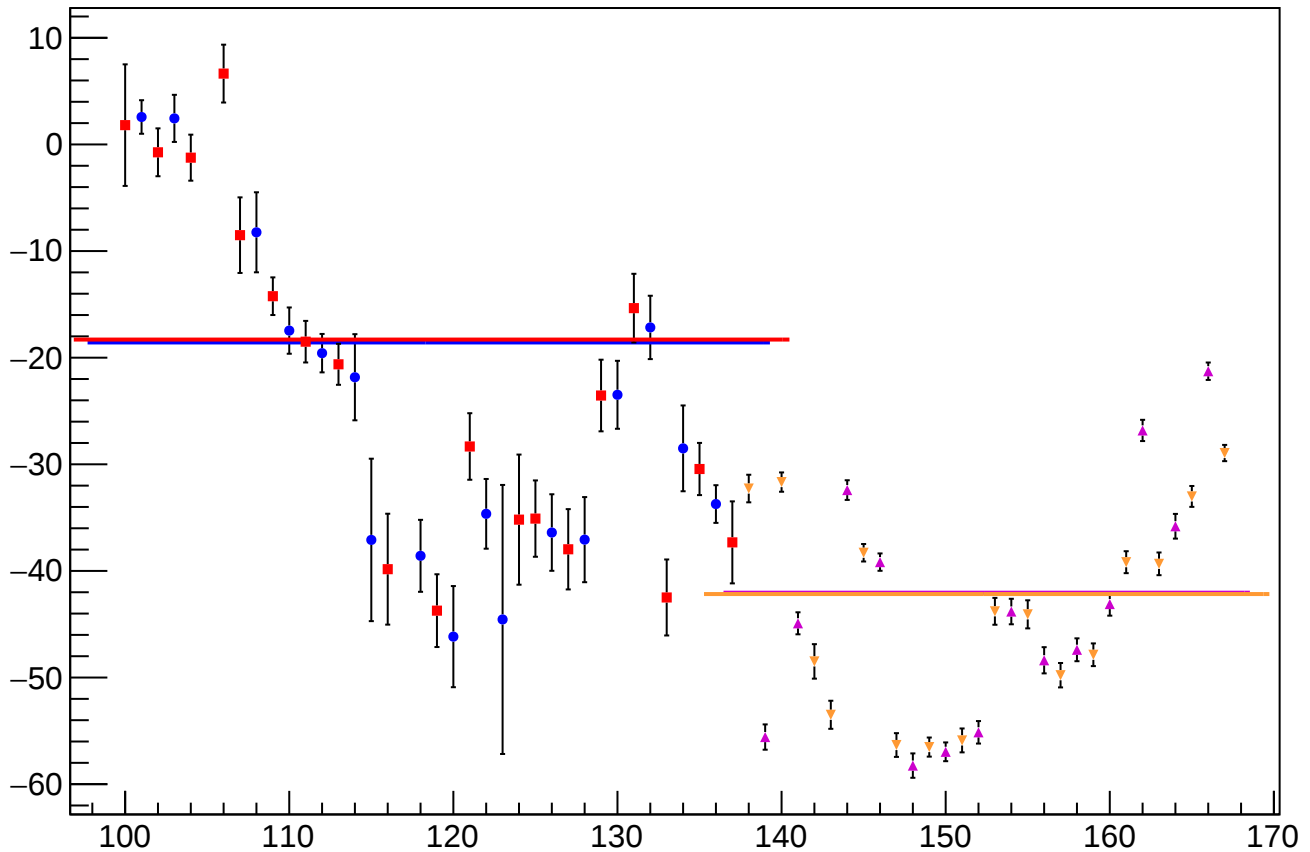
Left In: 31.110 ± 0.200 $\chi^2/\text{NDF}: 513.6/13$

+ sign 31.347 ± 0.170 $\chi^2/\text{NDF}: 1168.1/32$

All: 31.446 ± 0.123 $\chi^2/\text{NDF}: 2477.1/65$

- sign 31.554 ± 0.177 $\chi^2/\text{NDF}: 1308.3/32$

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

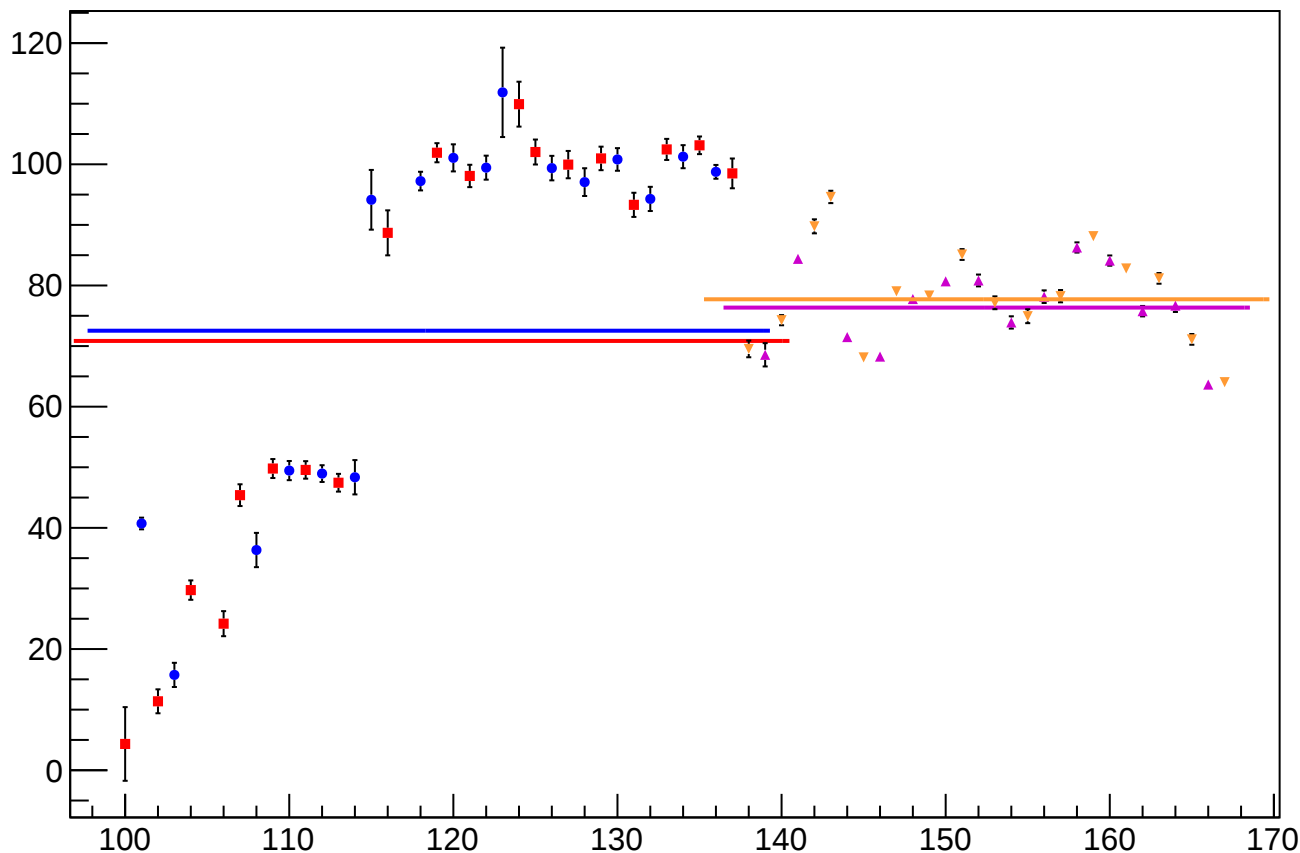
Left In: -42.041 ± 0.271 χ^2/NDF : 1865.5/13

+ sign -39.016 ± 0.244 χ^2/NDF : 2947.8/32

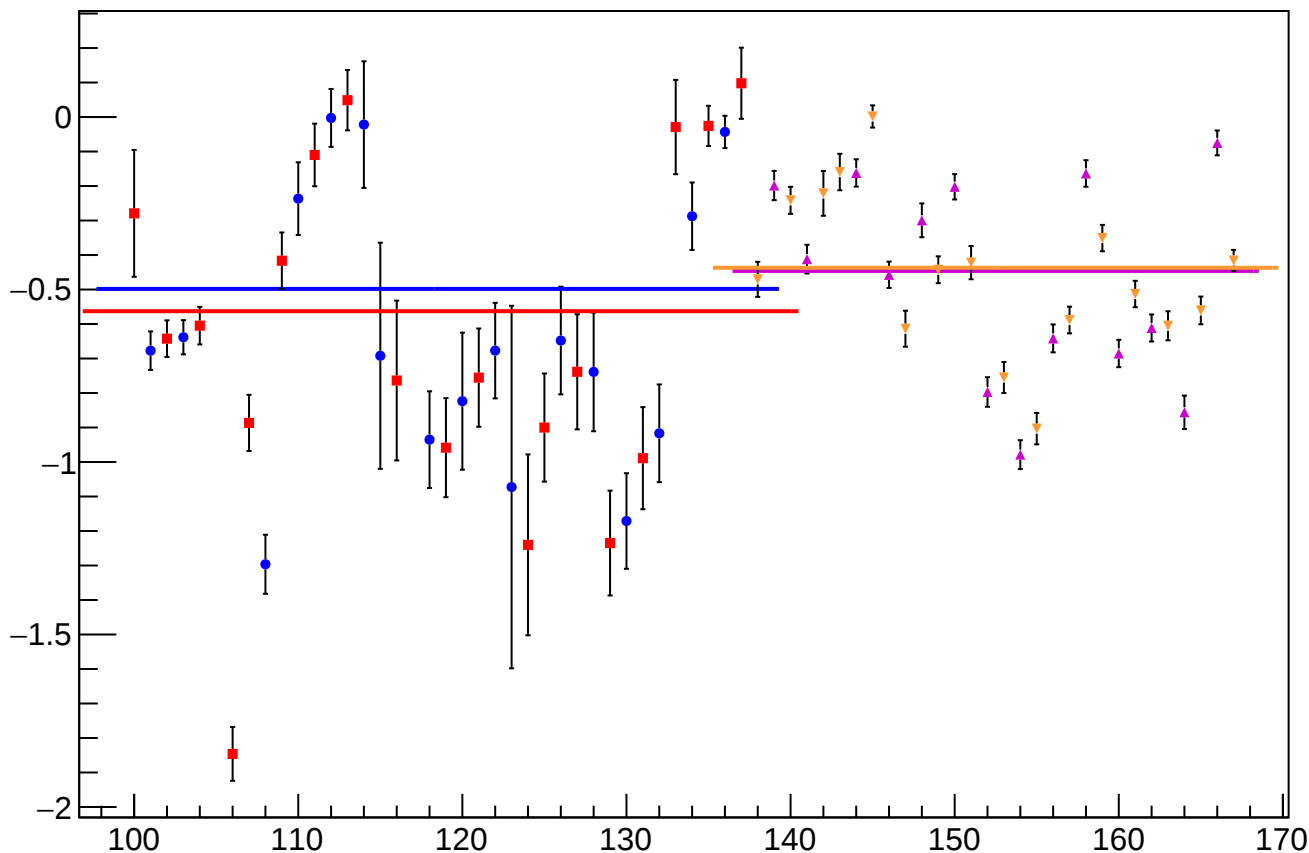
All: -38.748 ± 0.175 χ^2/NDF : 6444.2/65

- sign -38.467 ± 0.250 χ^2/NDF : 3493.9/32

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.437 ± 0.010 χ^2/NDF : 466.7/15

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

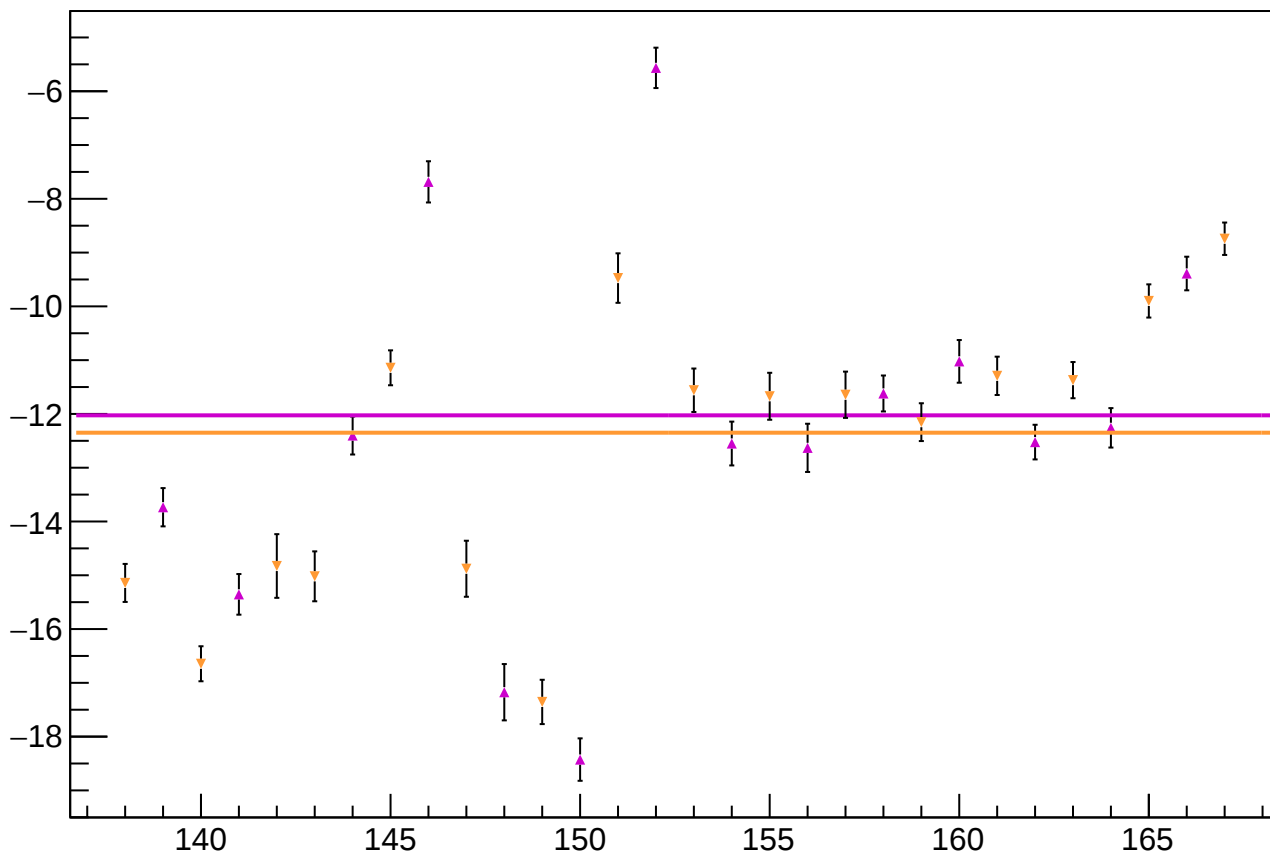
Left In: -0.446 ± 0.011 χ^2/NDF : 677.0/13

+ sign -0.448 ± 0.009 χ^2/NDF : 775.7/32

All: -0.459 ± 0.007 χ^2/NDF : 2039.7/65

- sign -0.470 ± 0.010 χ^2/NDF : 1261.4/32

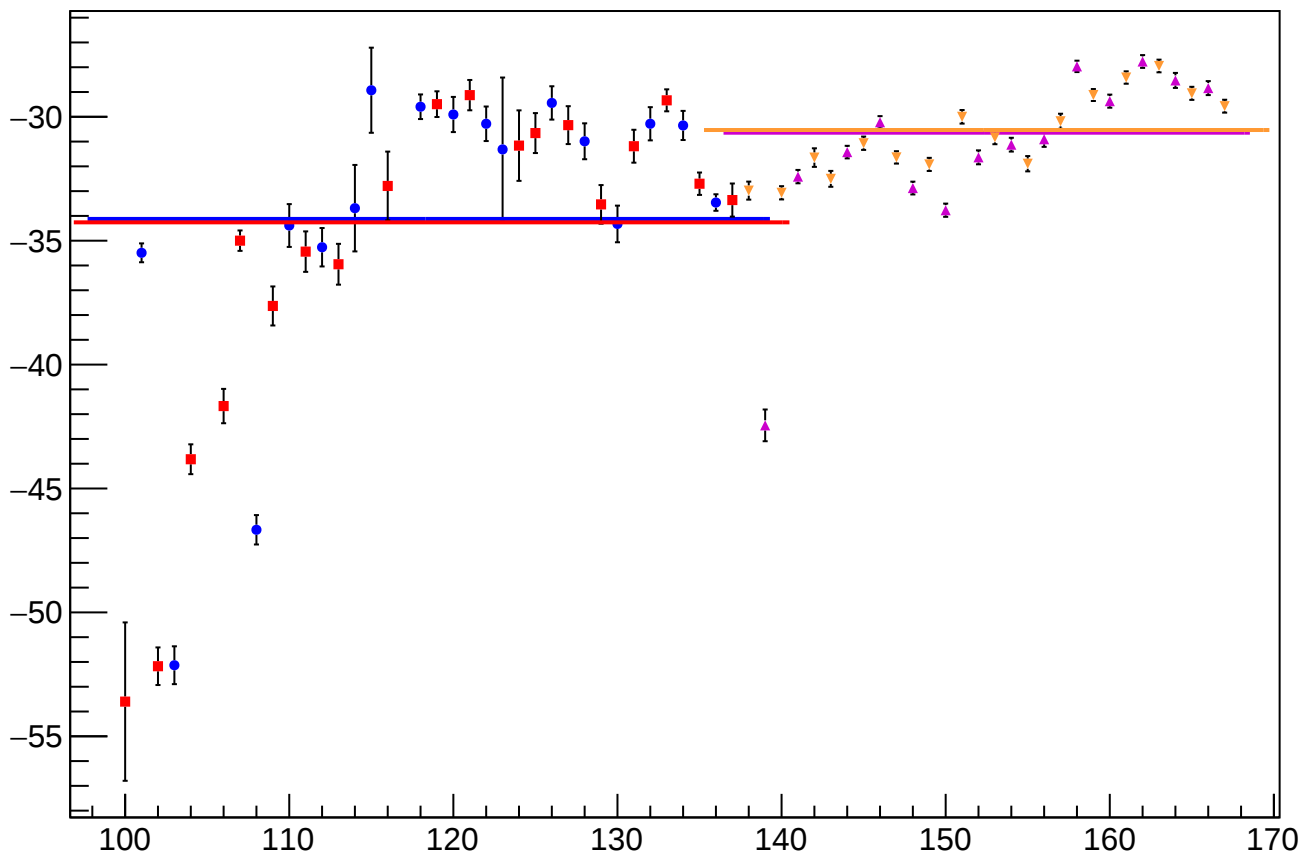
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



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: -12.026+/-0.100 χ^2/NDF : 971.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -12.196+/-0.069 χ^2/NDF : 1721.2/29
 - 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 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -30.533 ± 0.069 $\chi^2/\text{NDF}: 510.8/15$

Right Out: -34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

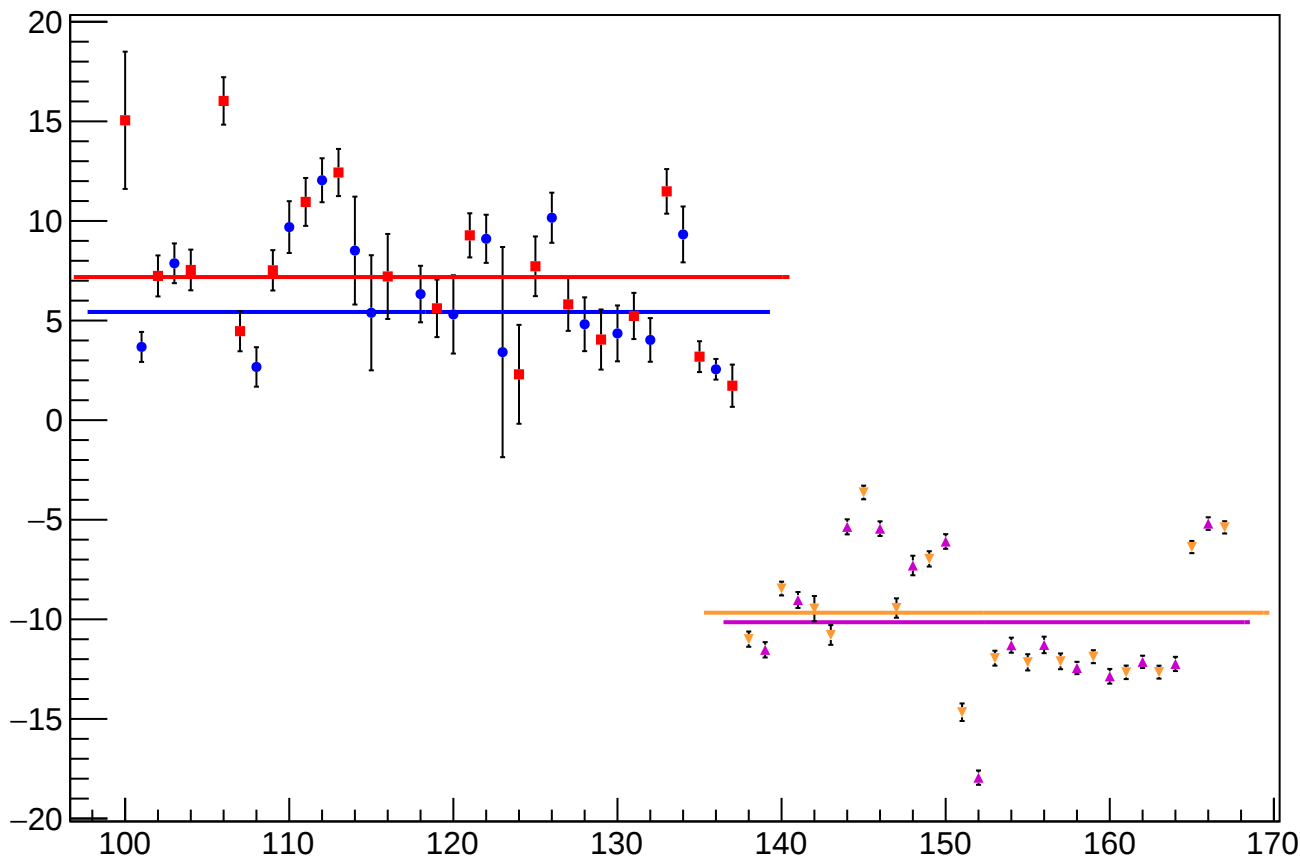
Left In: -30.642 ± 0.074 $\chi^2/\text{NDF}: 995.1/13$

+ sign -31.155 ± 0.063 $\chi^2/\text{NDF}: 2295.3/32$

All: -31.242 ± 0.046 $\chi^2/\text{NDF}: 5114.1/65$

- sign -31.337 ± 0.066 $\chi^2/\text{NDF}: 2814.8/32$

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

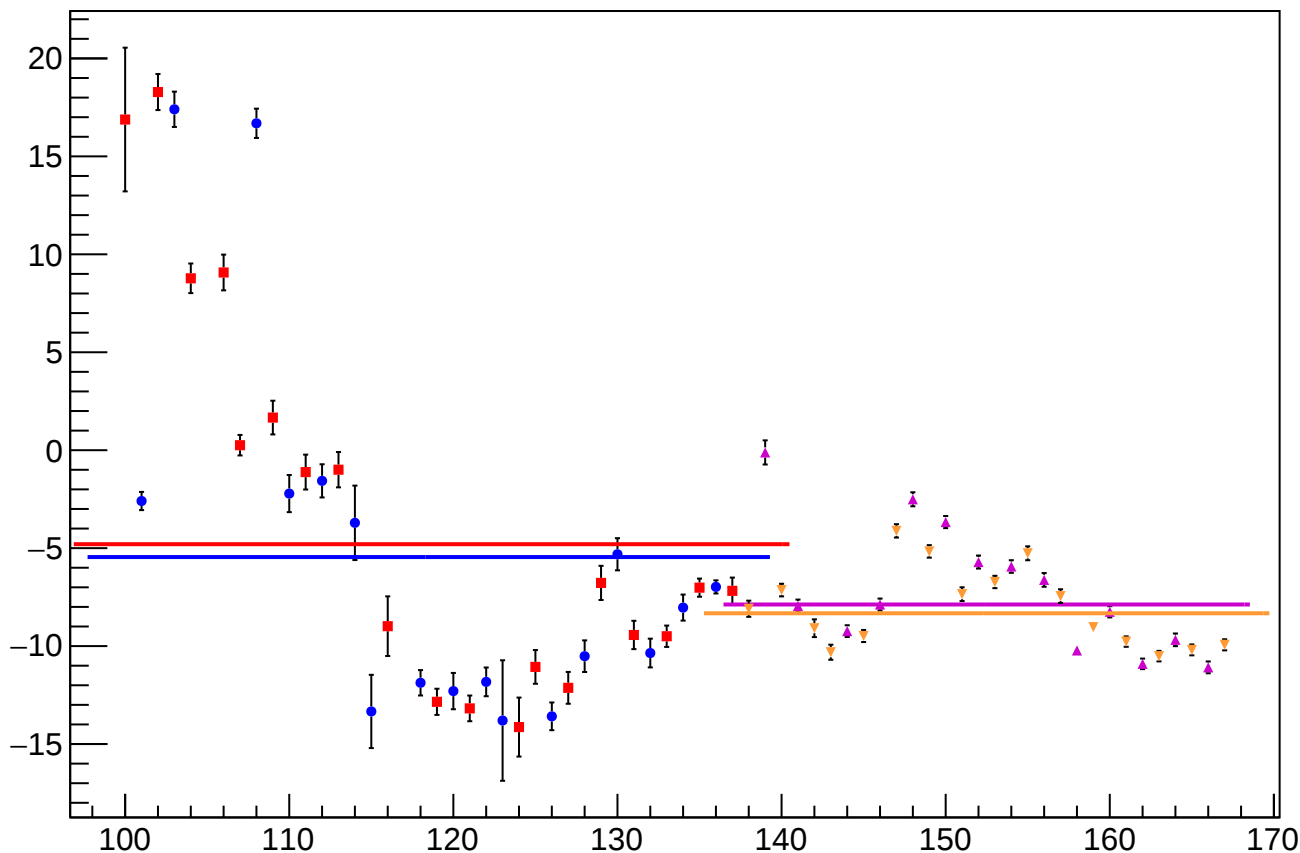
Left In: -10.144 ± 0.097 χ^2/NDF : 1415.3/13

+ sign -8.056 ± 0.088 χ^2/NDF : 4063.2/32

All: -8.127 ± 0.064 χ^2/NDF : 9202.7/65

- sign -8.204 ± 0.092 χ^2/NDF : 5138.1/32

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -8.325 ± 0.079 χ^2/NDF : 600.6/15

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

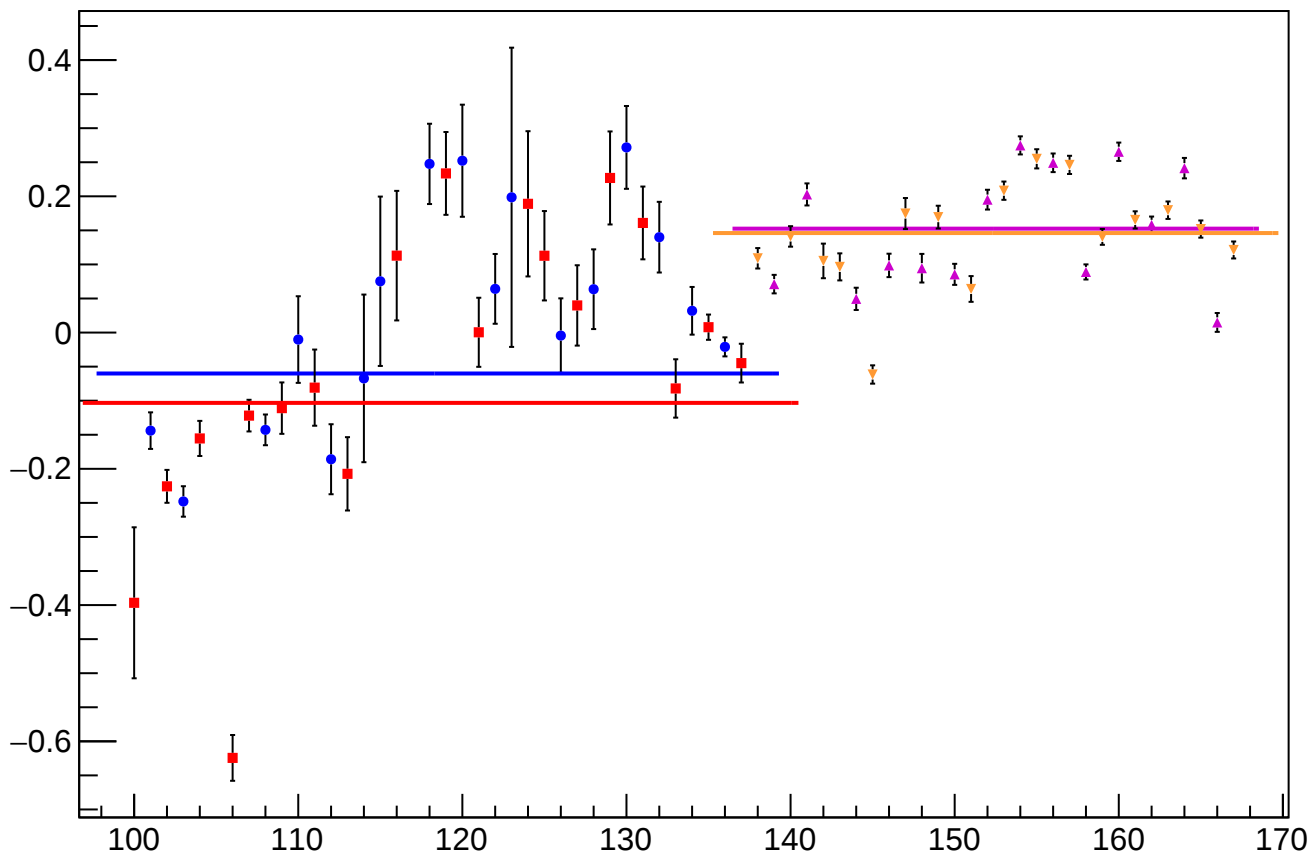
Left In: -7.876 ± 0.084 χ^2/NDF : 1048.0/13

+ sign -7.816 ± 0.072 χ^2/NDF : 2929.3/32

All: -7.566 ± 0.052 χ^2/NDF : 6306.7/65

- sign -7.292 ± 0.075 χ^2/NDF : 3352.1/32

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

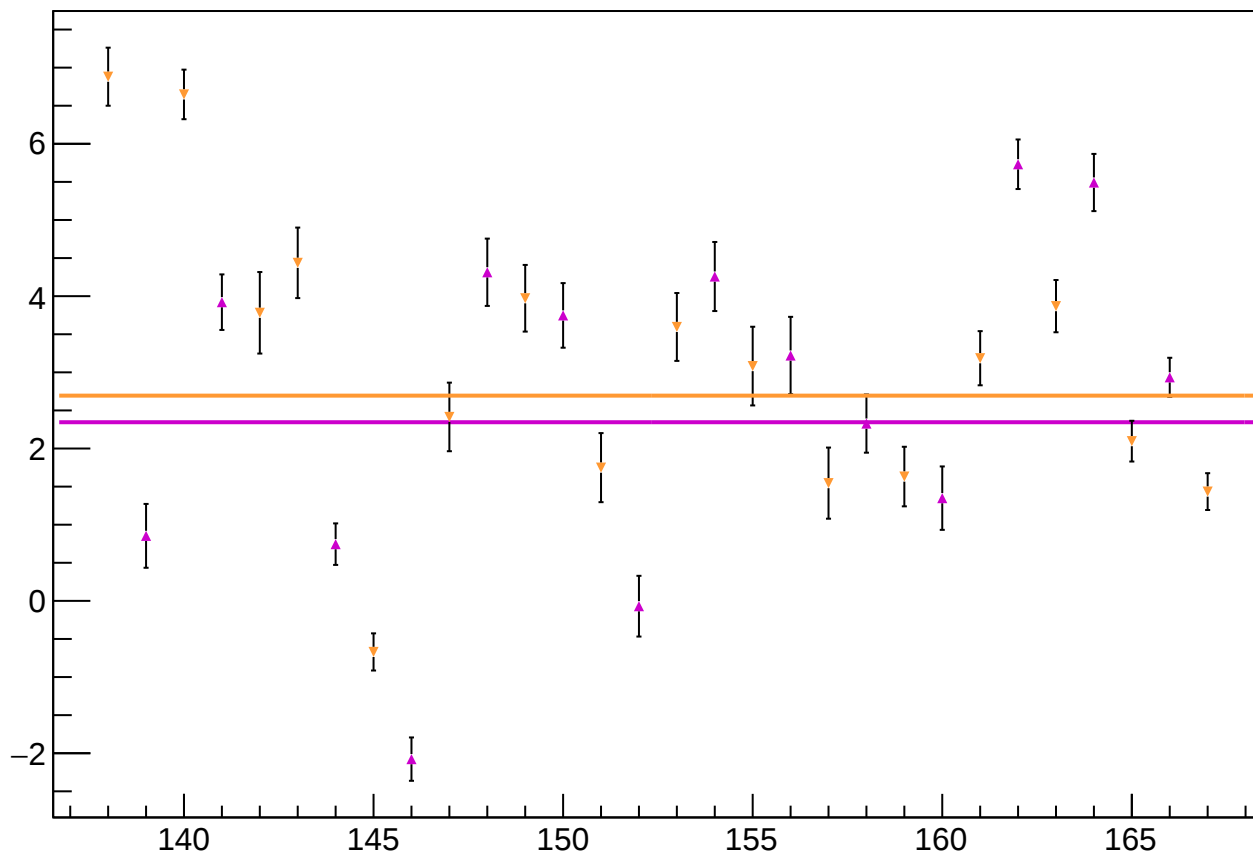
Left In: 0.153 ± 0.004 χ^2/NDF : 502.3/13

+ sign 0.113 ± 0.003 χ^2/NDF : 1149.0/32

All: 0.111 ± 0.002 χ^2/NDF : 2849.0/65

- sign 0.109 ± 0.003 χ^2/NDF : 1699.1/32

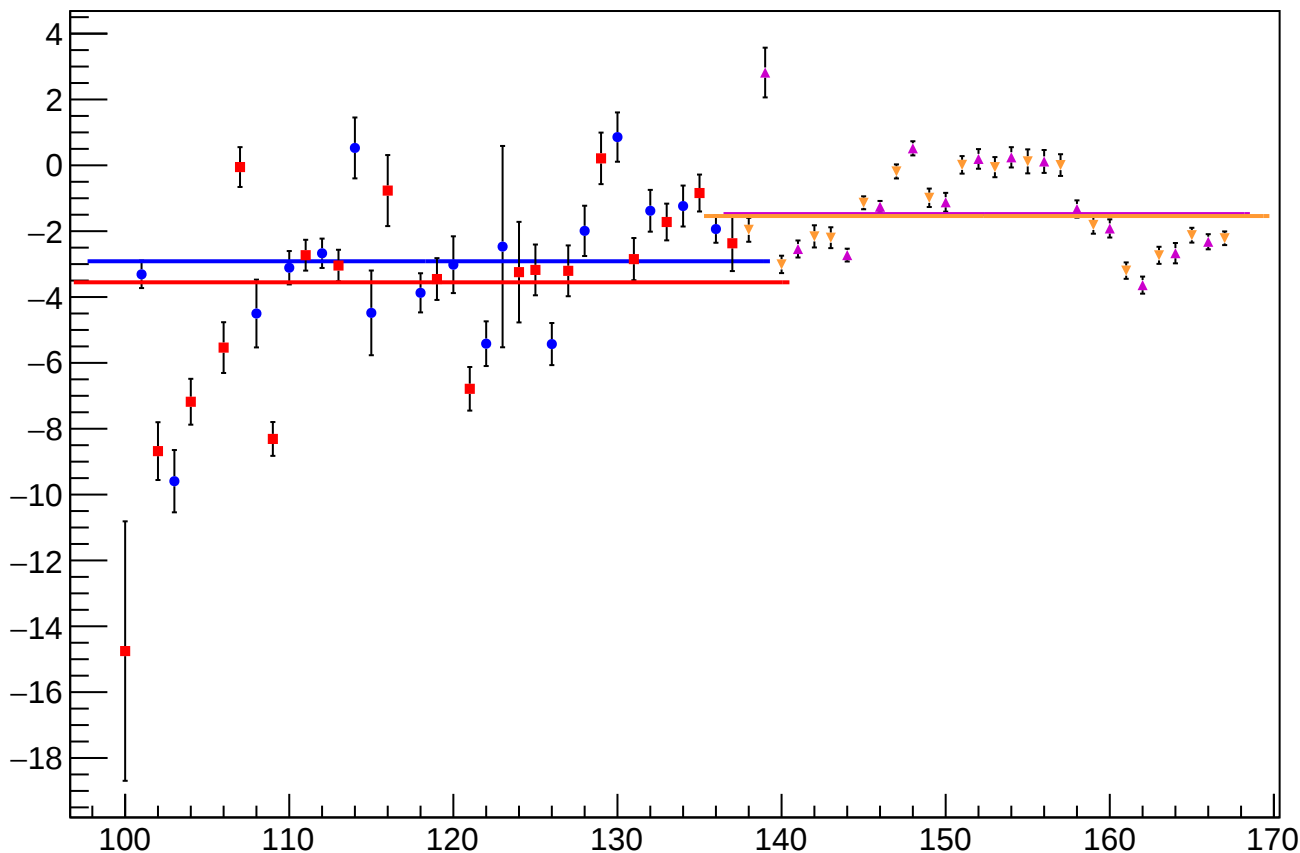
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 2.694 ± 0.090 $\chi^2/\text{NDF}: 554.3/15$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: 2.345 ± 0.096 $\chi^2/\text{NDF}: 585.4/13$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 All: 2.531 ± 0.066 $\chi^2/\text{NDF}: 1146.8/29$
 - sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914±/0.155 χ^2/NDF : 146.1/16

Left Out: -1.540±/0.066 χ^2/NDF : 272.4/15

Right Out: -3.553±/0.155 χ^2/NDF : 290.9/18

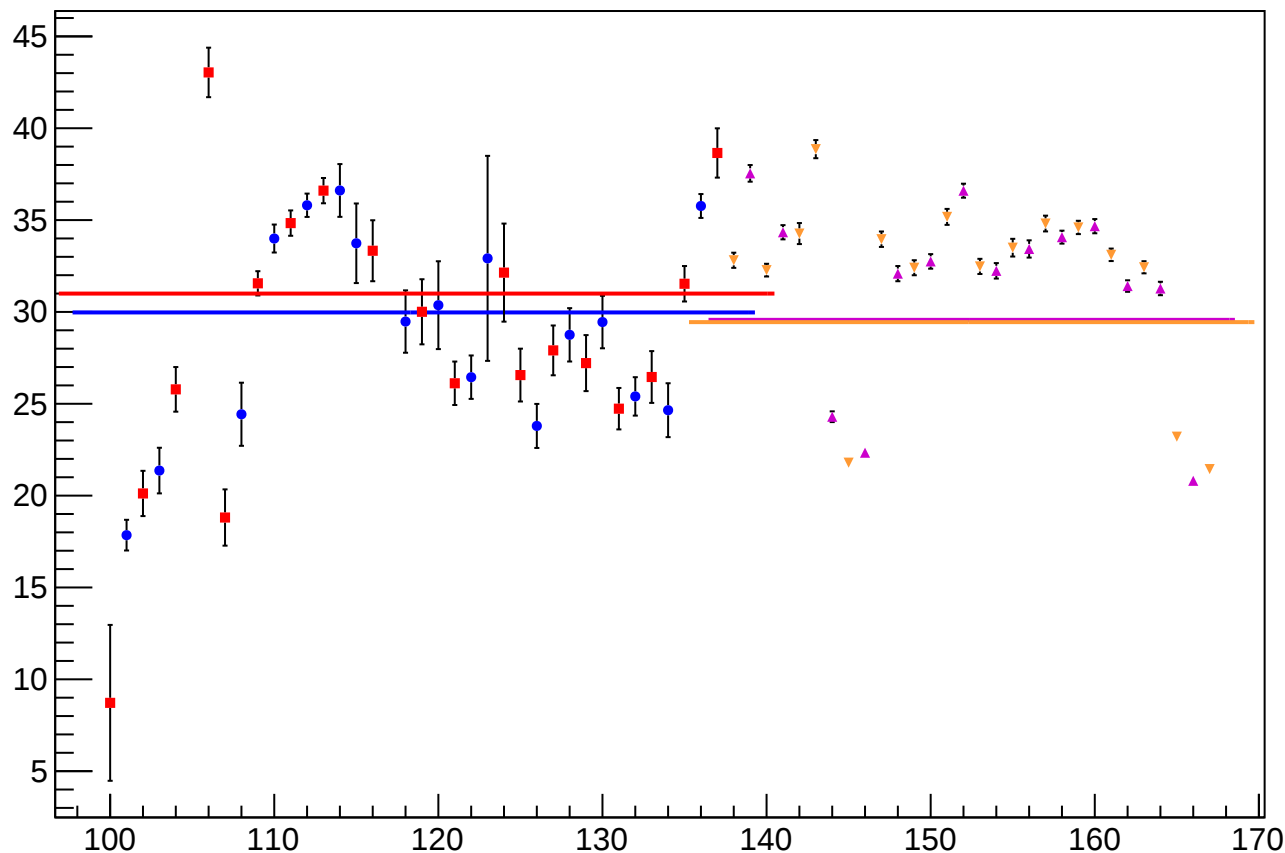
Left In: -1.481±/0.069 χ^2/NDF : 363.5/13

+ sign -1.750±/0.061 χ^2/NDF : 485.2/32

All: -1.785±/0.044 χ^2/NDF : 1290.3/65

- sign -1.823±/0.063 χ^2/NDF : 804.4/32

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 ± 0.267 χ^2/NDF : 554.3/16

Left Out: 29.445 ± 0.090 χ^2/NDF : 4055.3/15

Right Out: 30.999 ± 0.260 χ^2/NDF : 479.5/18

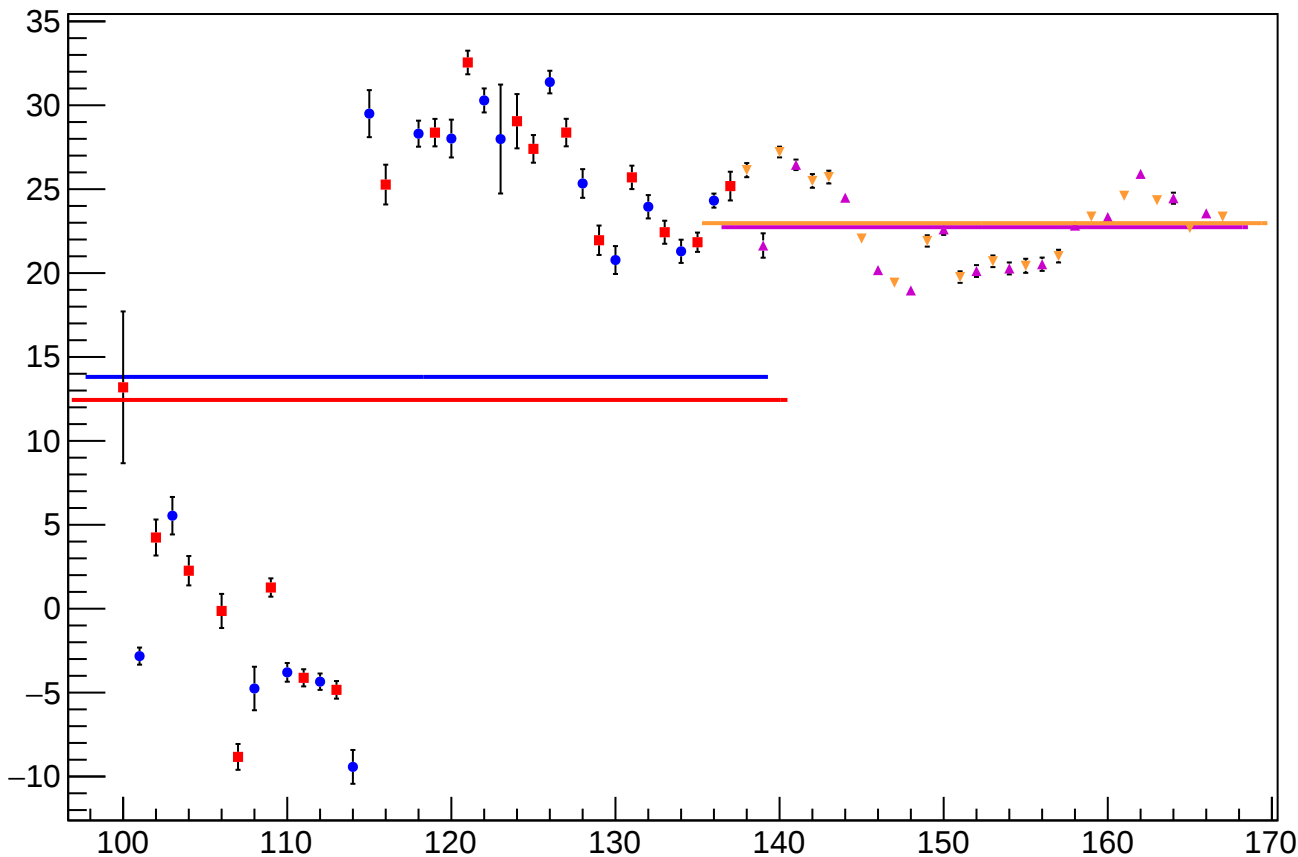
Left In: 29.569 ± 0.094 χ^2/NDF : 3560.5/13

+ sign 29.498 ± 0.085 χ^2/NDF : 4613.1/32

All: 29.612 ± 0.061 χ^2/NDF : 8683.5/65

- sign 29.734 ± 0.088 χ^2/NDF : 4066.7/32

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

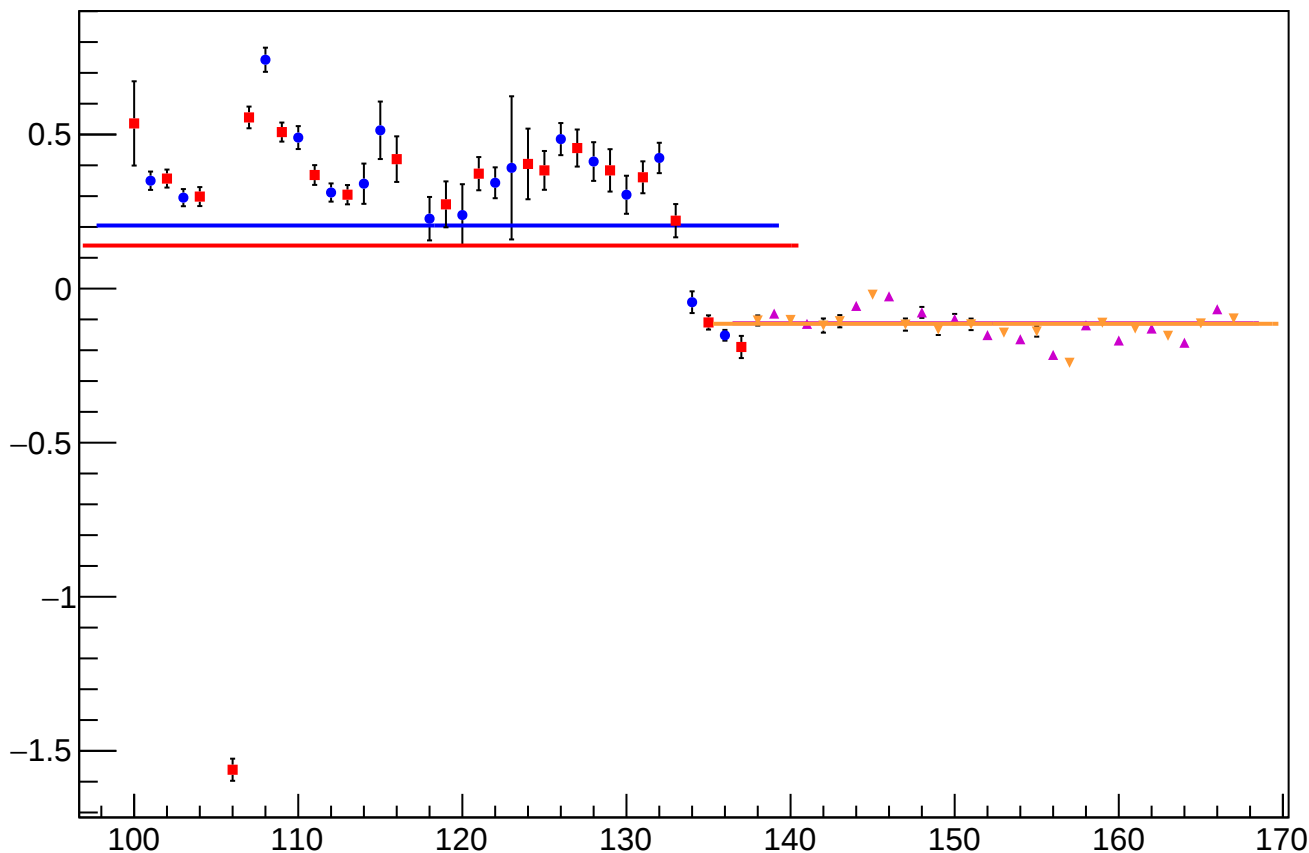
Left In: 22.735 $\pm$ 0.080 χ^2 /NDF: 809.1/13

+ sign 21.498 $\pm$ 0.069 χ^2 /NDF: 10435.7/32

All: 21.235 $\pm$ 0.050 χ^2 /NDF: 21147.2/65

- sign 20.947 $\pm$ 0.072 χ^2 /NDF: 10681.3/32

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.114 ± 0.004 χ^2/NDF : 184.1/15

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

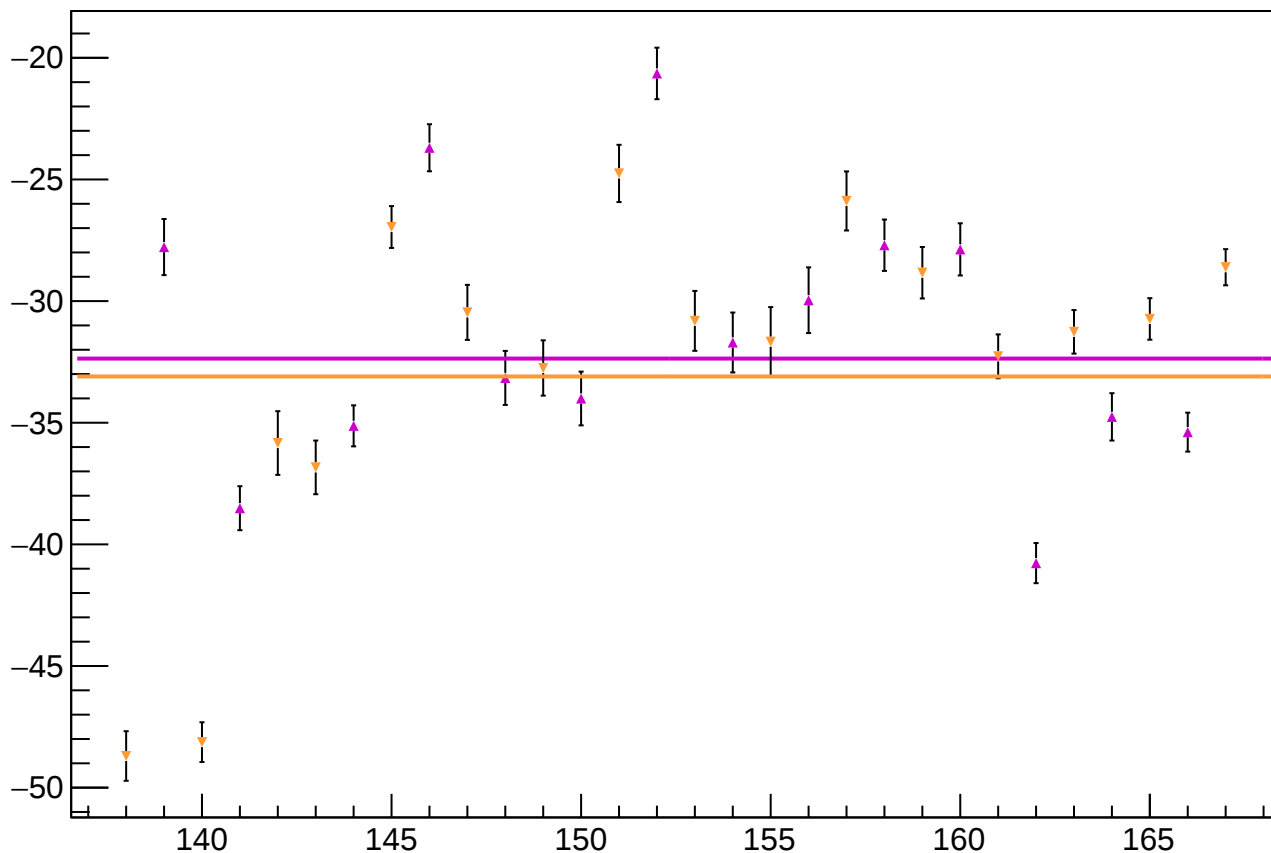
Left In: -0.112 ± 0.004 χ^2/NDF : 189.6/13

+ sign -0.075 ± 0.003 χ^2/NDF : 2043.5/32

All: -0.075 ± 0.002 χ^2/NDF : 5889.0/65

- sign -0.076 ± 0.003 χ^2/NDF : 3845.5/32

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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

Left Out: -33.097 $\pm$ 0.251 χ^2 /NDF: 801.0/15

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

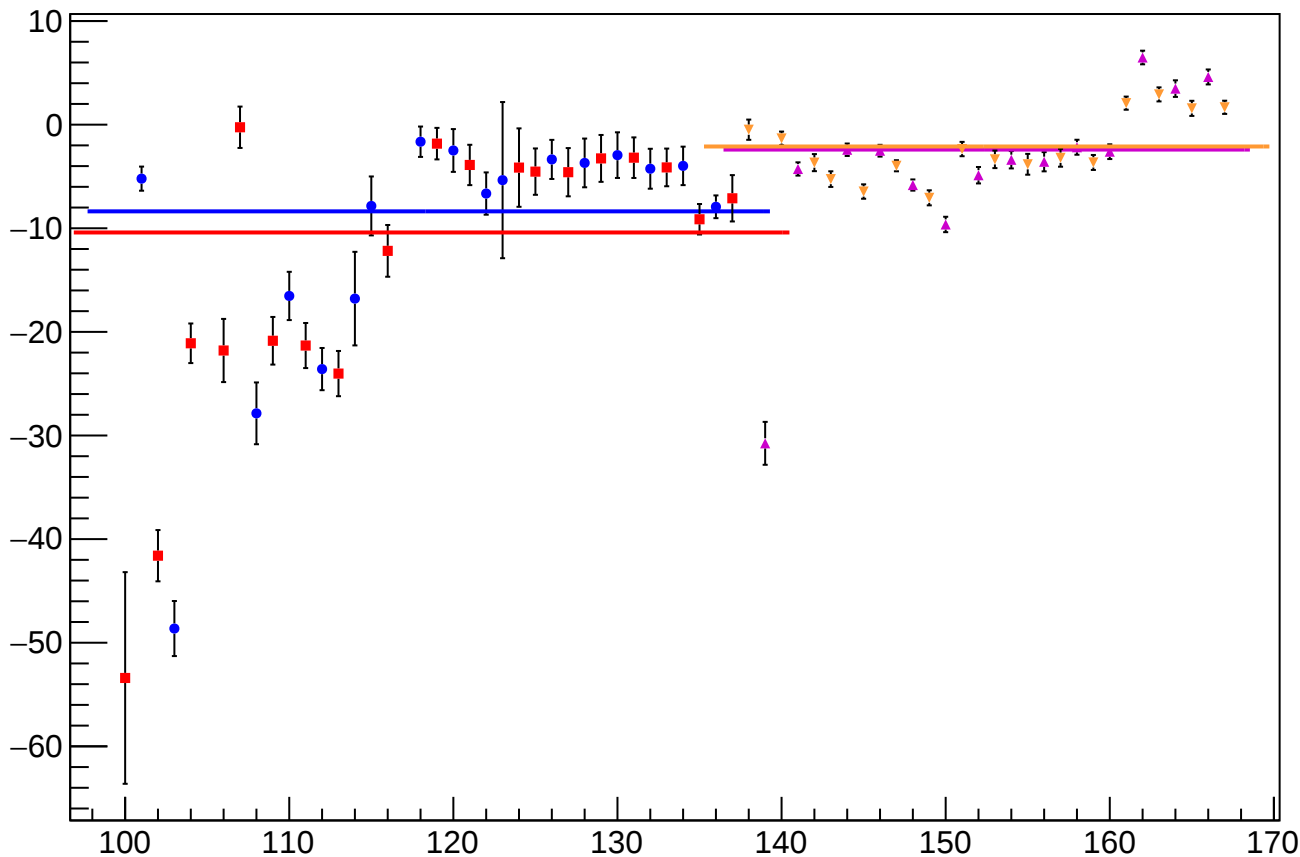
Left In: -32.363 $\pm$ 0.267 χ^2 /NDF: 442.9/13

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

All: -32.752 $\pm$ 0.183 χ^2 /NDF: 1248.0/29

- sign 0.000 $\pm$ 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 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -2.108 ± 0.180 $\chi^2/\text{NDF}: 293.1/15$

Right Out: -10.405 ± 0.491 $\chi^2/\text{NDF}: 430.3/18$

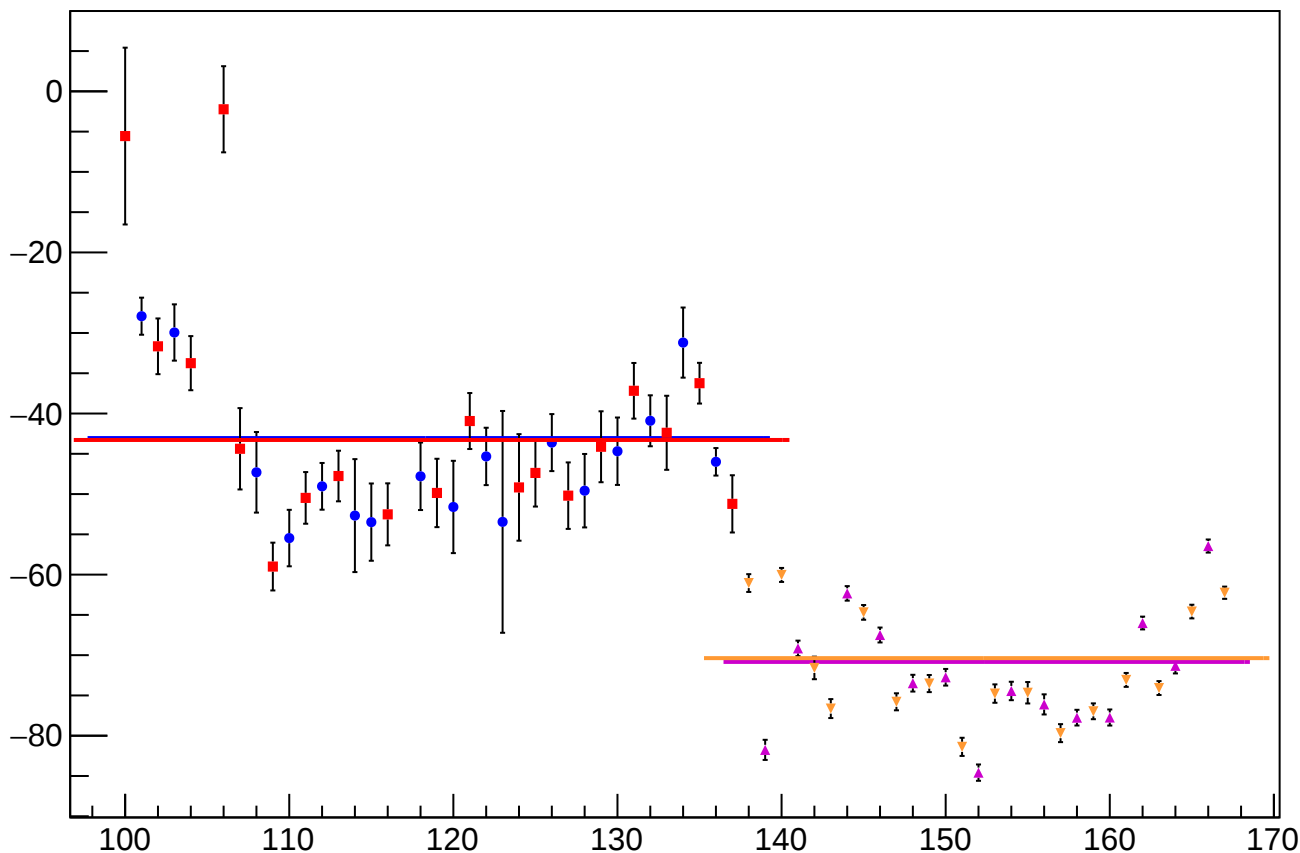
Left In: -2.404 ± 0.190 $\chi^2/\text{NDF}: 673.5/13$

+ sign -2.923 ± 0.168 $\chi^2/\text{NDF}: 858.8/32$

All: -3.172 ± 0.122 $\chi^2/\text{NDF}: 2198.1/65$

- sign -3.448 ± 0.177 $\chi^2/\text{NDF}: 1334.7/32$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$

Left Out: -70.368 ± 0.249 $\chi^2/\text{NDF}: 739.5/15$

Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$

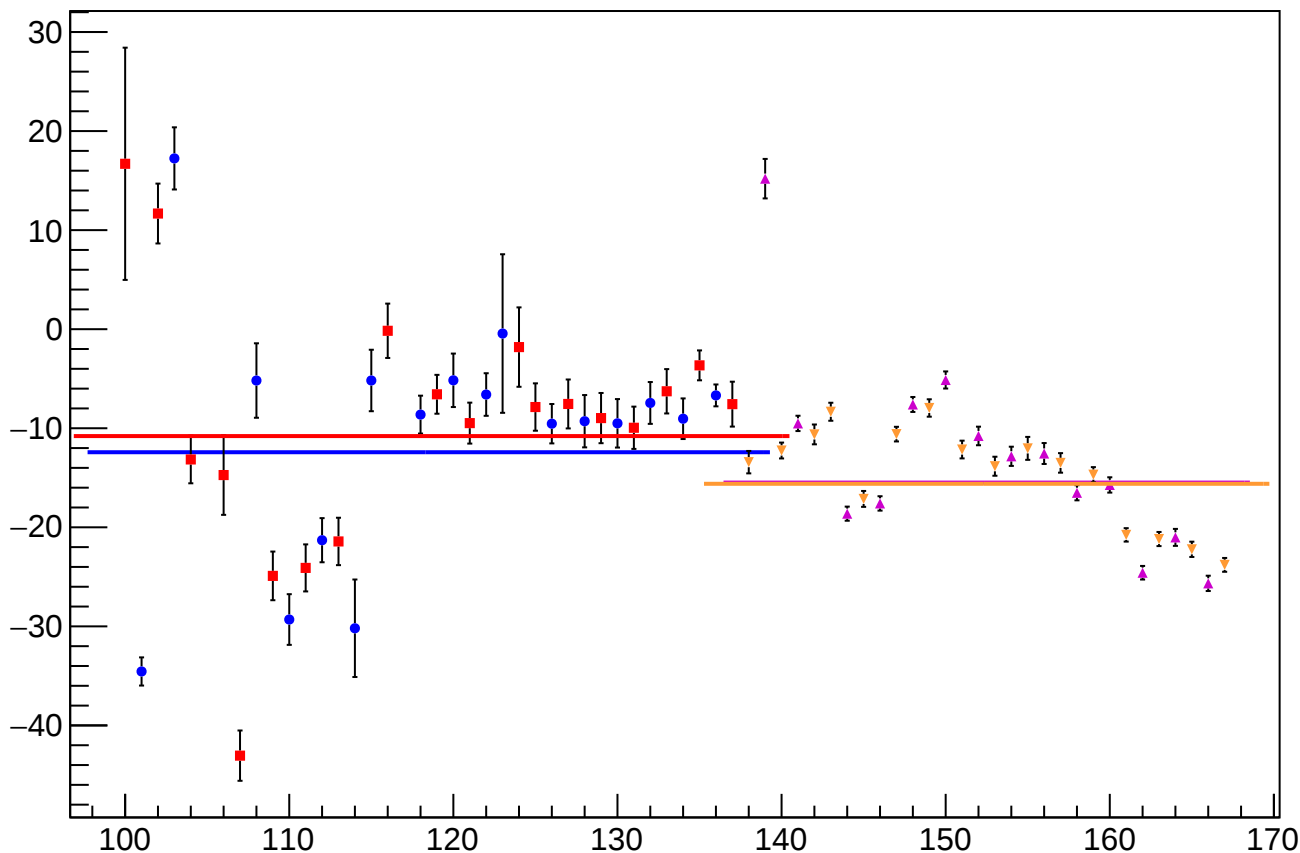
Left In: -70.837 ± 0.262 $\chi^2/\text{NDF}: 850.8/13$

+ sign -68.146 ± 0.239 $\chi^2/\text{NDF}: 1816.7/32$

All: -68.333 ± 0.173 $\chi^2/\text{NDF}: 3748.6/65$

- sign -68.539 ± 0.250 $\chi^2/\text{NDF}: 1930.7/32$

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

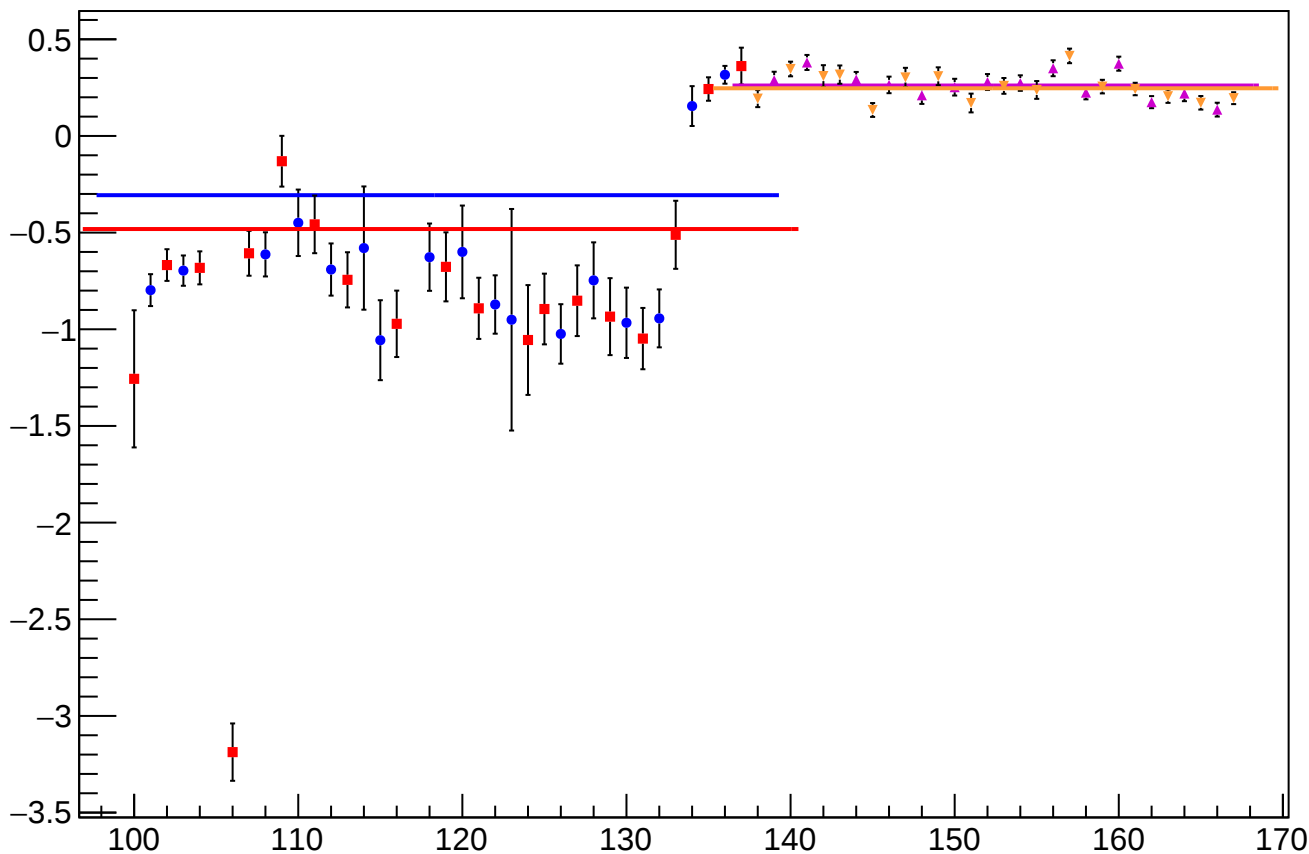
Left In: -15.484 ± 0.221 χ^2/NDF : 1010.4/13

+ sign -15.169 ± 0.194 χ^2/NDF : 1105.8/32

All: -15.014 ± 0.141 χ^2/NDF : 2545.4/65

- sign -14.841 ± 0.205 χ^2/NDF : 1438.2/32

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.247 ± 0.010 χ^2/NDF : 56.0/15

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

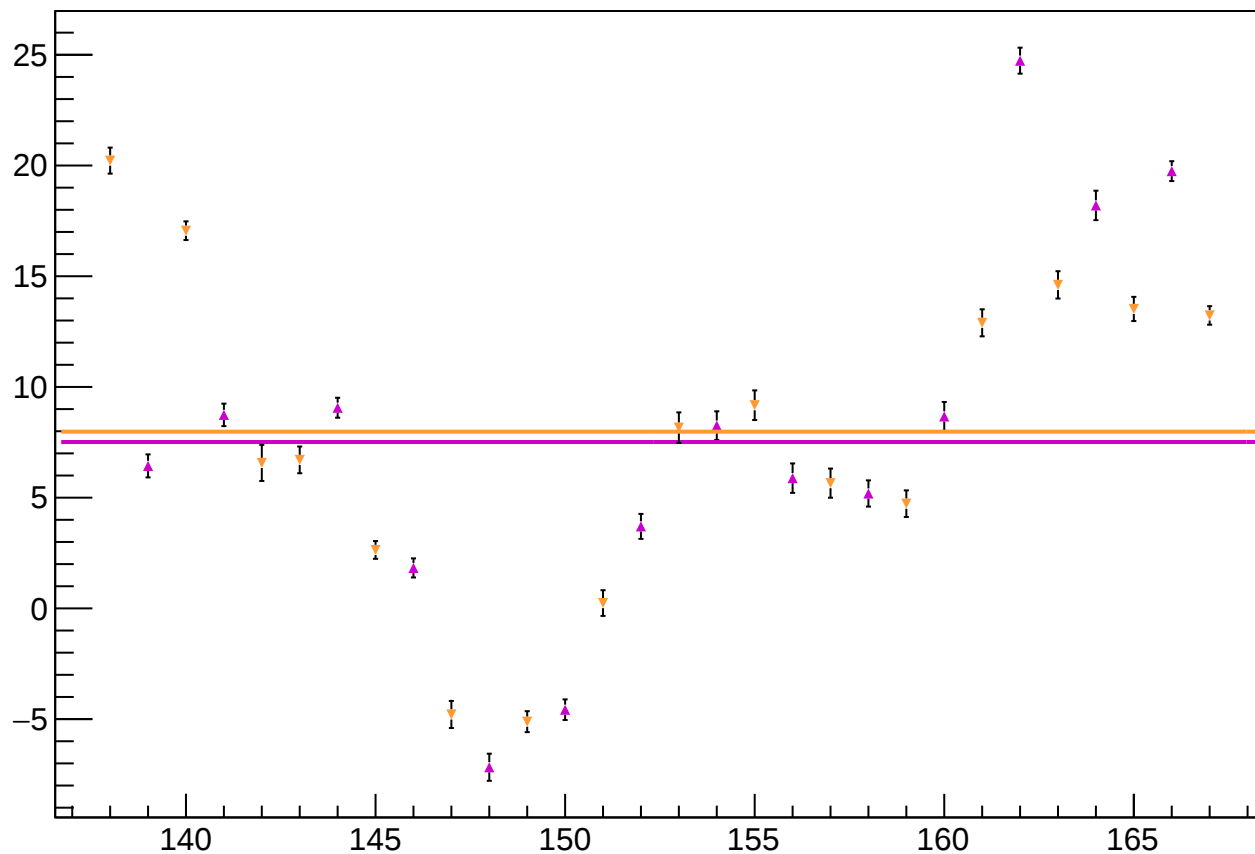
Left In: 0.261 ± 0.010 χ^2/NDF : 48.3/13

+ sign 0.184 ± 0.009 χ^2/NDF : 784.5/32

All: 0.179 ± 0.007 χ^2/NDF : 2056.5/65

- sign 0.174 ± 0.010 χ^2/NDF : 1271.4/32

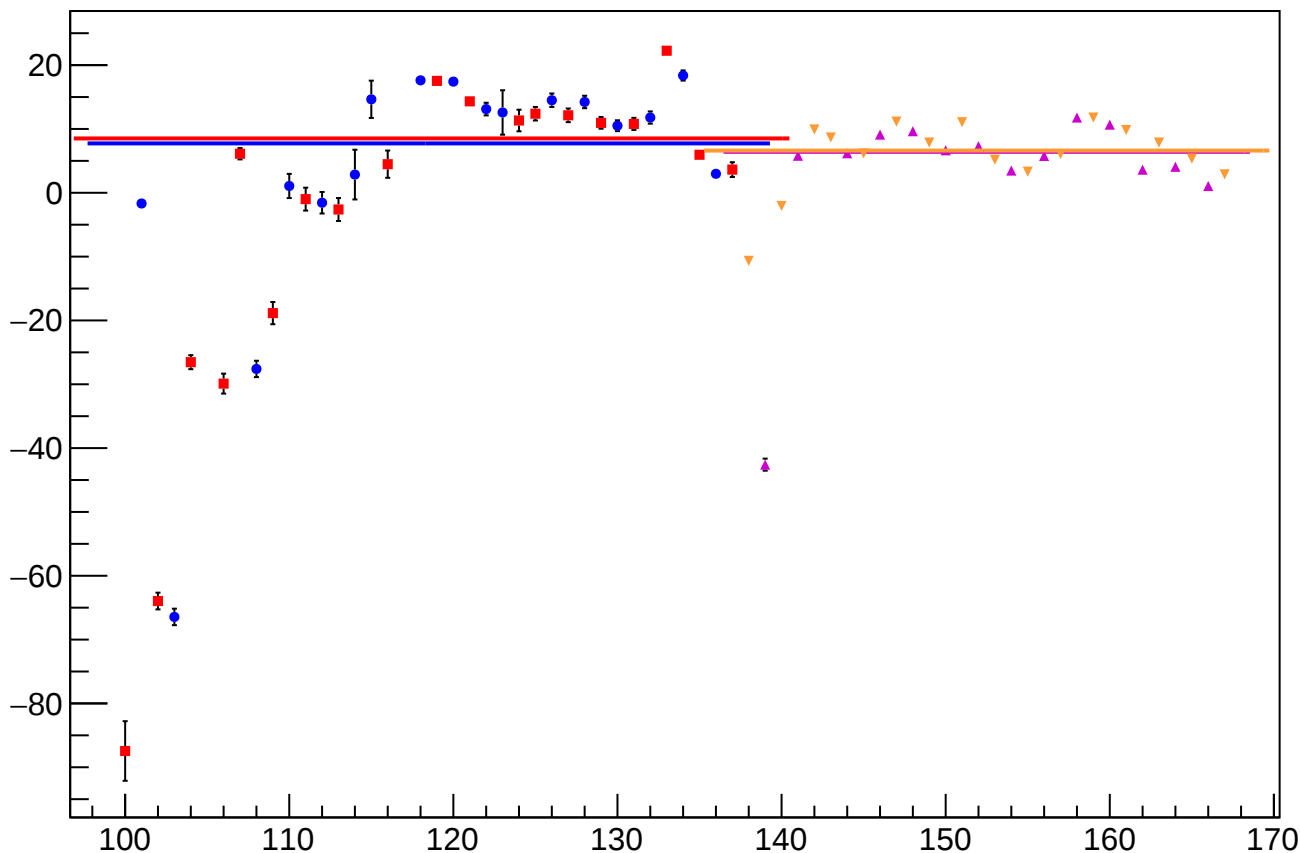
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.981 $\pm$ 0.138 χ^2 /NDF:2943.3/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 7.514 $\pm$ 0.144 χ^2 /NDF:3379.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 7.758 $\pm$ 0.099 χ^2 /NDF: 6328.3/29
 - sign 0.000 $\pm$ 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

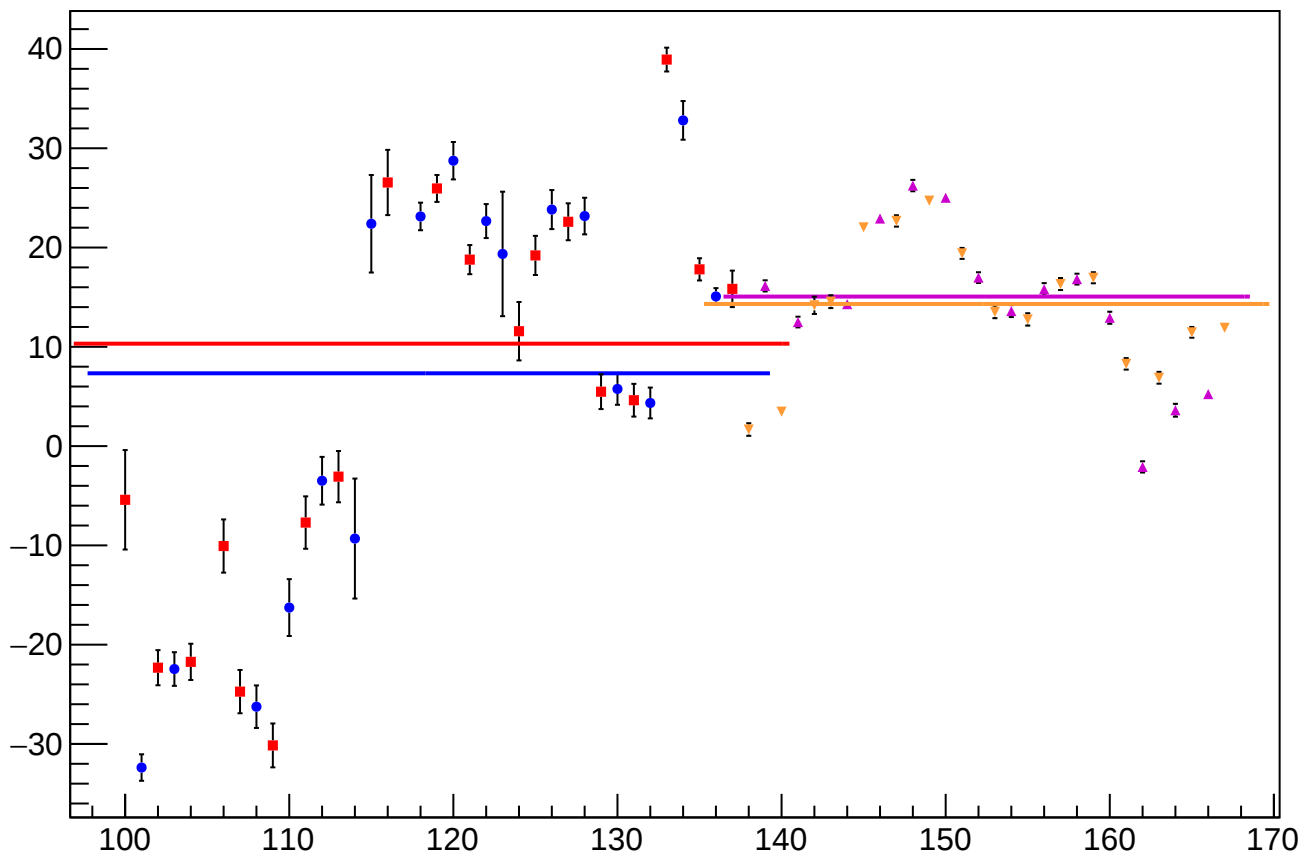
Left In: 6.419 ± 0.104 χ^2/NDF : 3451.7/13

+ sign 6.806 ± 0.090 χ^2/NDF : 7661.2/32

All: 6.813 ± 0.065 χ^2/NDF : 17910.4/65

- sign 6.820 ± 0.093 χ^2/NDF : 10249.2/32

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333 $\pm$ 0.419 χ^2 /NDF: 2293.1/16

Left Out: 14.318 $\pm$ 0.136 χ^2 /NDF:2519.9/15

Right Out: 10.317 $\pm$ 0.417 χ^2 /NDF: 2281.5/18

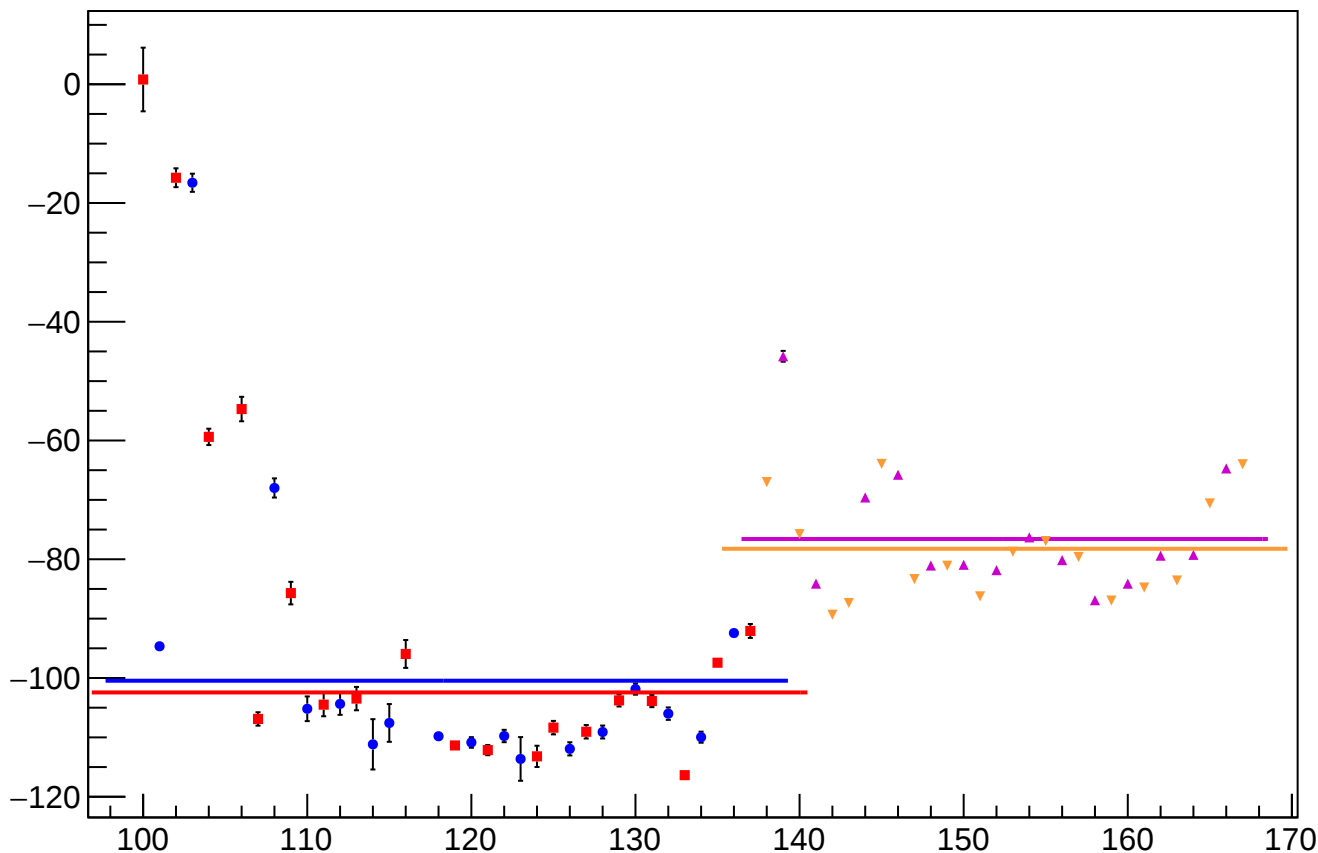
Left In: 15.062 $\pm$ 0.141 χ^2 /NDF:3029.4/13

+ sign 13.647 $\pm$ 0.130 χ^2 /NDF: 5064.7/32

All: 14.097 $\pm$ 0.093 χ^2 /NDF: 10516.7/65

- sign 14.574 $\pm$ 0.134 χ^2 /NDF: 5427.2/32

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

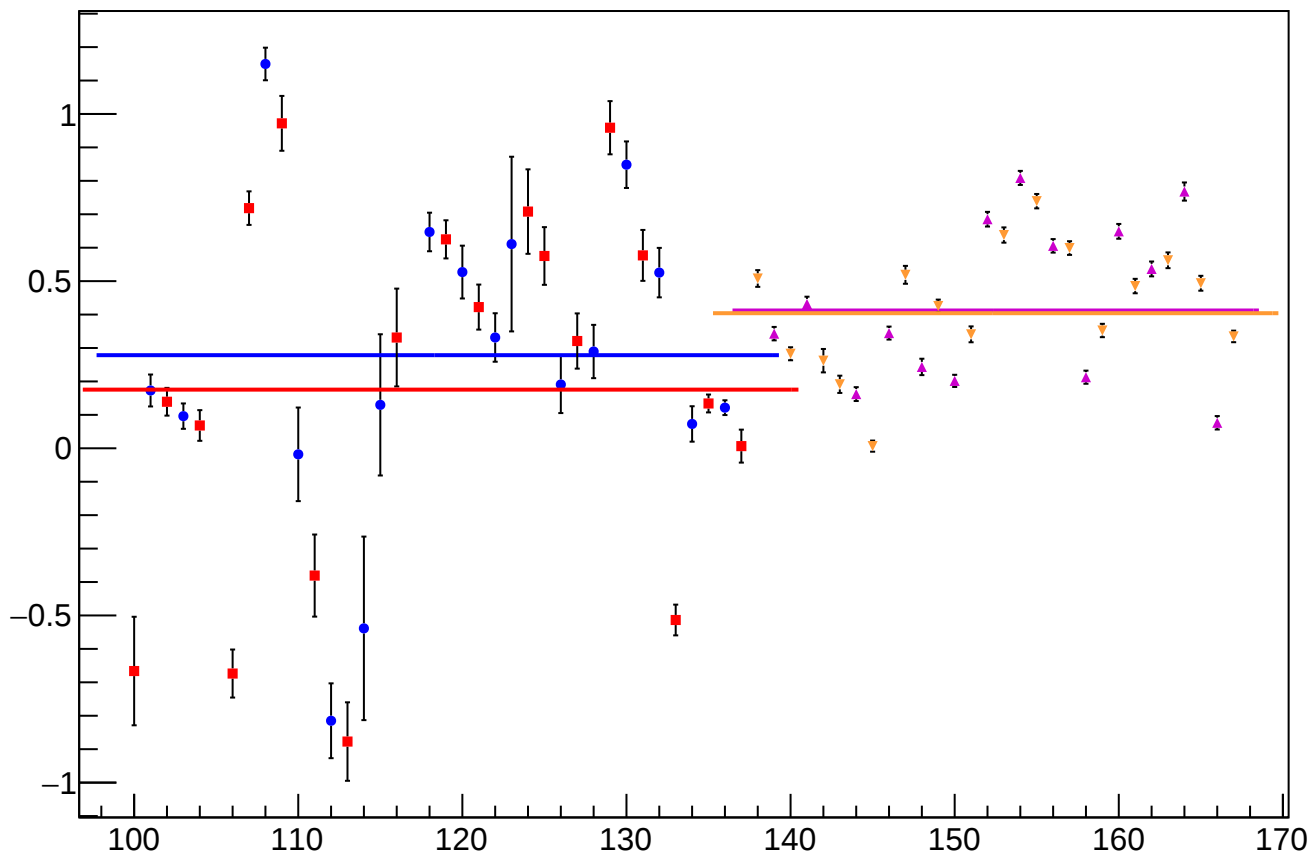
Left In: -76.588 ± 0.121 χ^2/NDF : 4812.4/13

+ sign -82.115 ± 0.105 χ^2/NDF : 16170.1/32

All: -81.859 ± 0.075 χ^2/NDF : 35972.5/65

- sign -81.585 ± 0.108 χ^2/NDF : 19790.1/32

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.404 ± 0.005 χ^2/NDF : 1272.3/15

Right Out: 0.175 ± 0.013 χ^2/NDF : 967.7/18

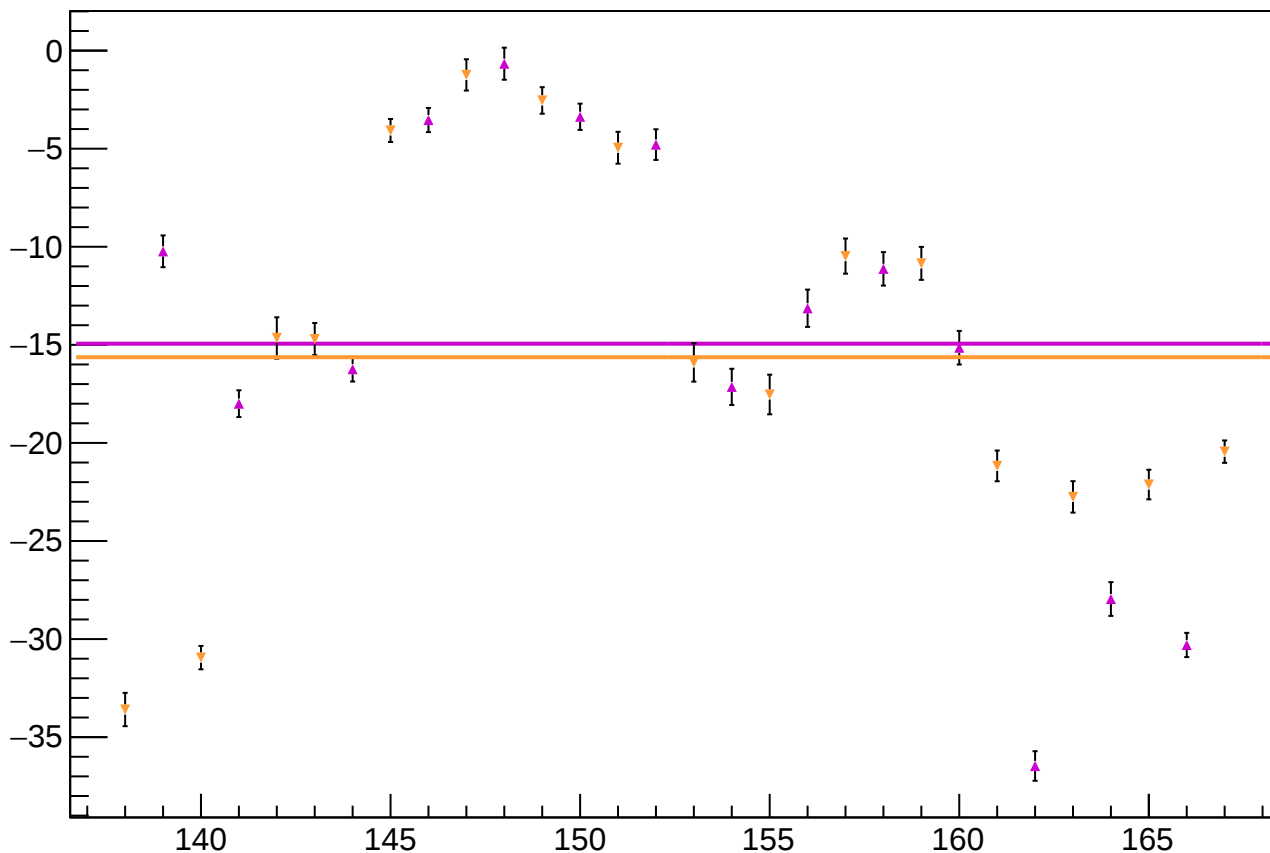
Left In: 0.412 ± 0.006 χ^2/NDF : 1650.9/13

+ sign 0.387 ± 0.005 χ^2/NDF : 2000.6/32

All: 0.382 ± 0.004 χ^2/NDF : 4883.5/65

- sign 0.377 ± 0.005 χ^2/NDF : 2881.1/32

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

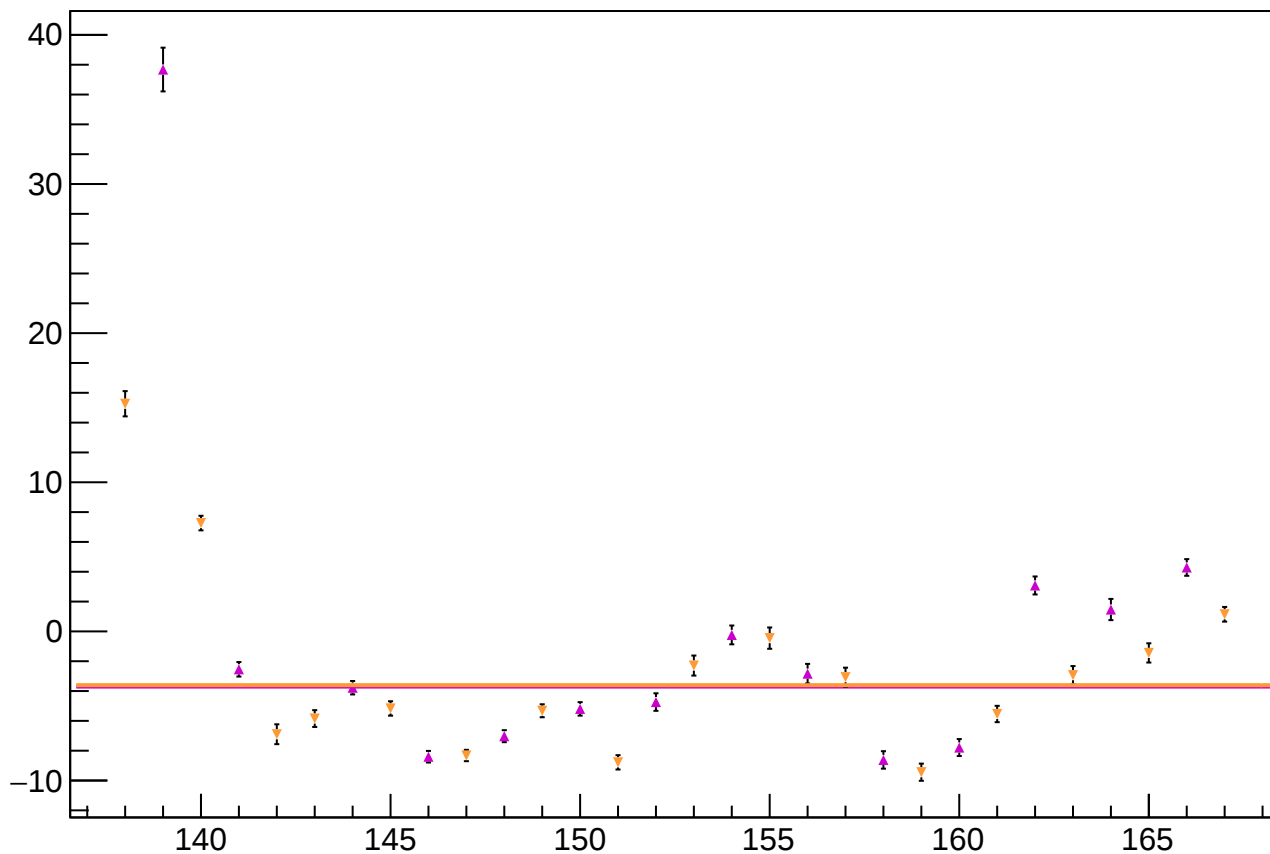
Left In: -14.942 ± 0.200 χ^2/NDF : 2862.1/13

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -15.303 ± 0.138 χ^2/NDF : 5581.8/29

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

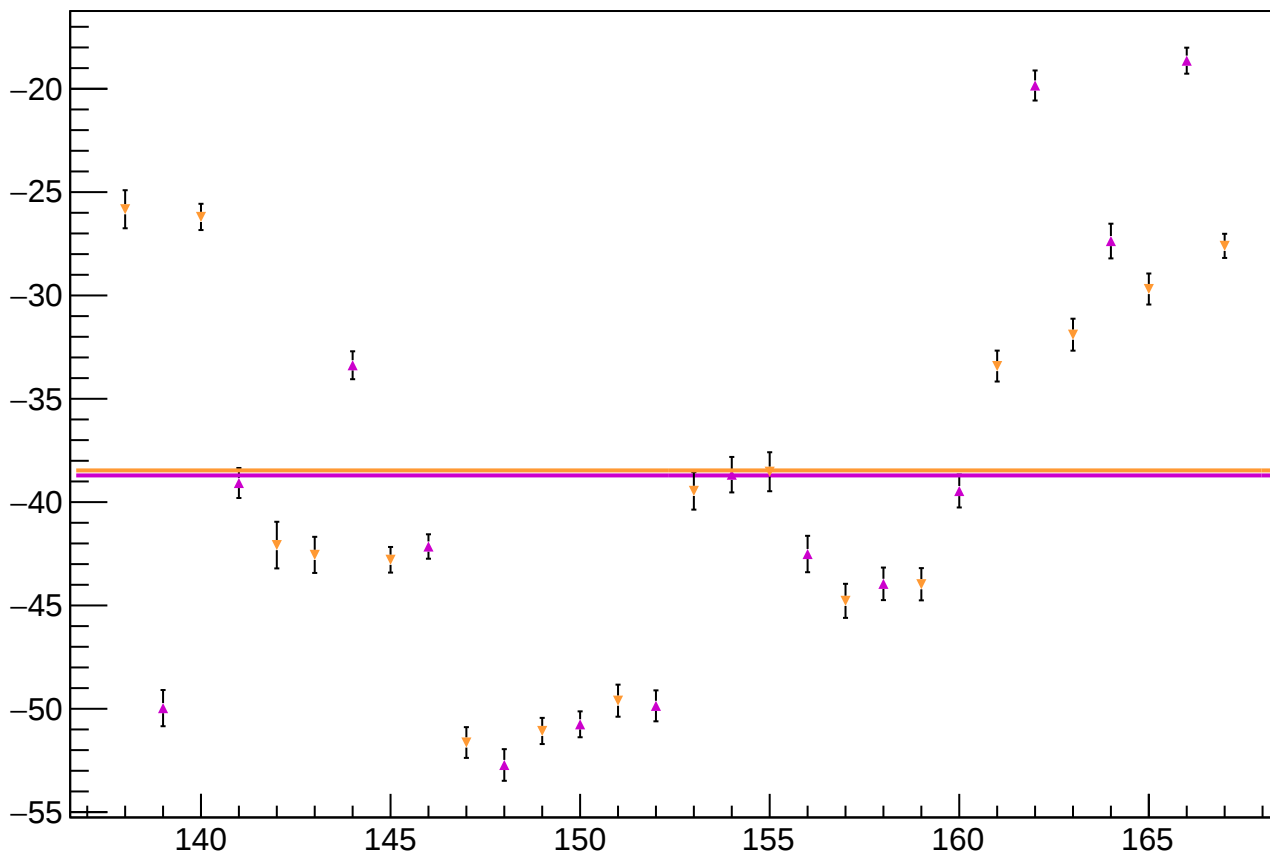
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.606+/-0.136 χ^2/NDF :1570.4/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.700+/-0.143 χ^2/NDF :1567.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -3.651+/-0.099 χ^2/NDF : 3138.1/29
 - sign 0.000+/-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

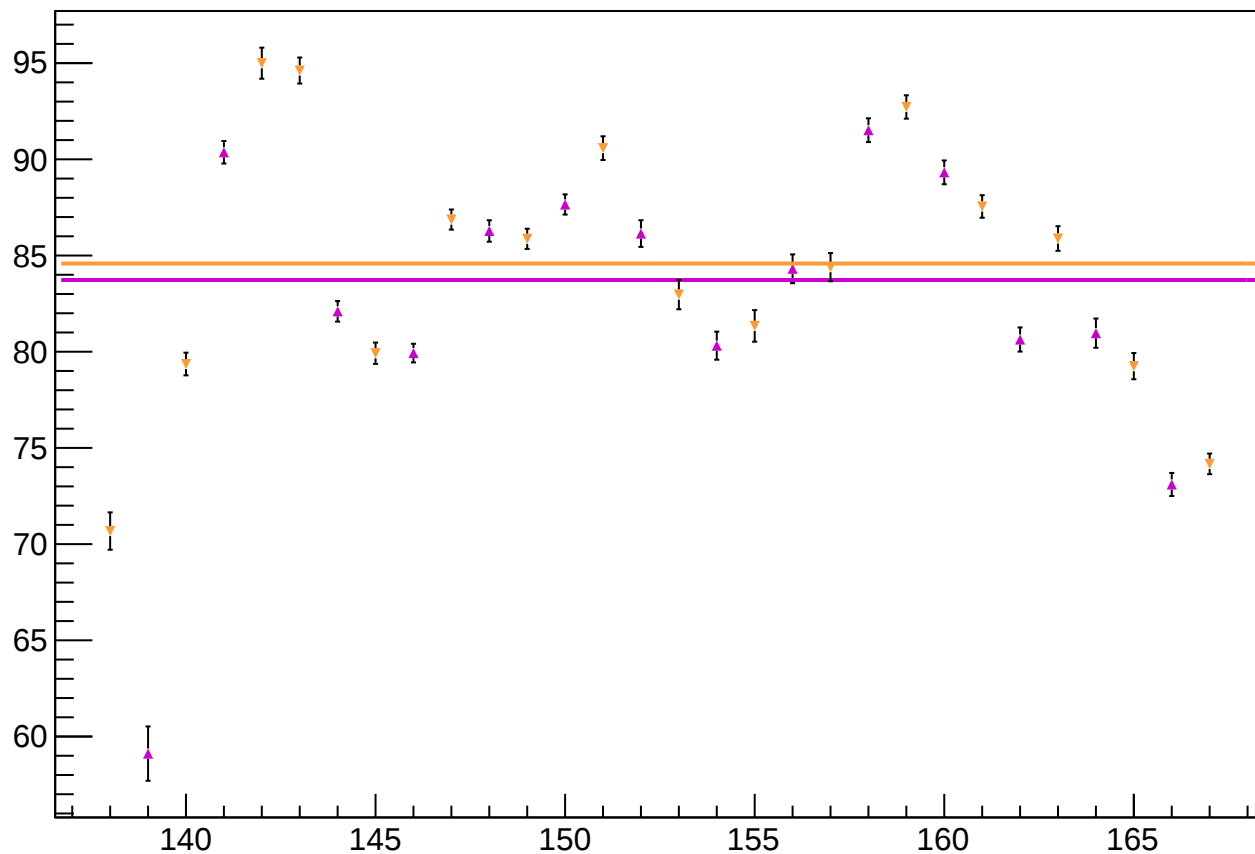
Left In: -38.709+/-0.196 χ^2/NDF : 3124.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -38.583+/-0.136 χ^2/NDF : 5393.3/29

- 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

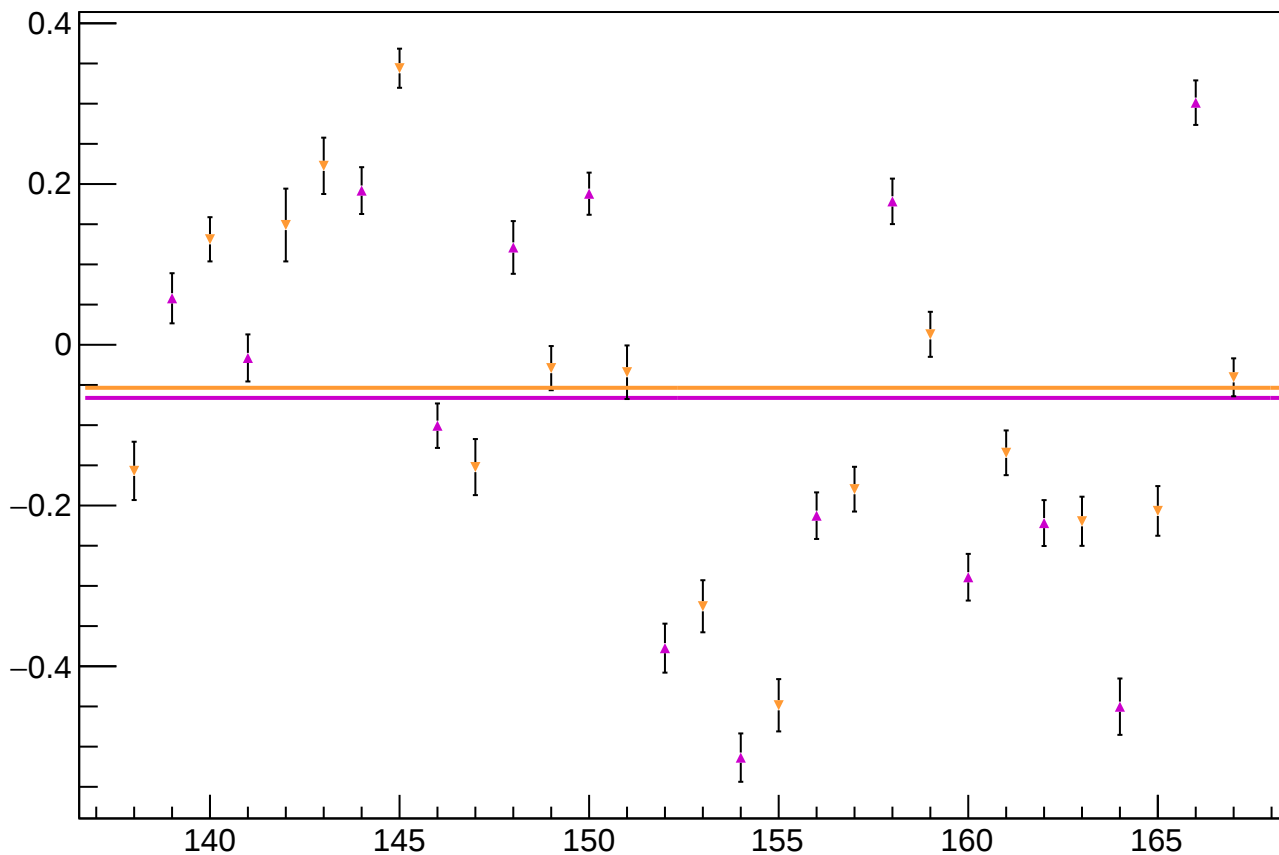
Left In: 83.729+/-0.167 χ^2/NDF :1207.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 84.177+/-0.115 χ^2/NDF : 2749.1/29

- 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

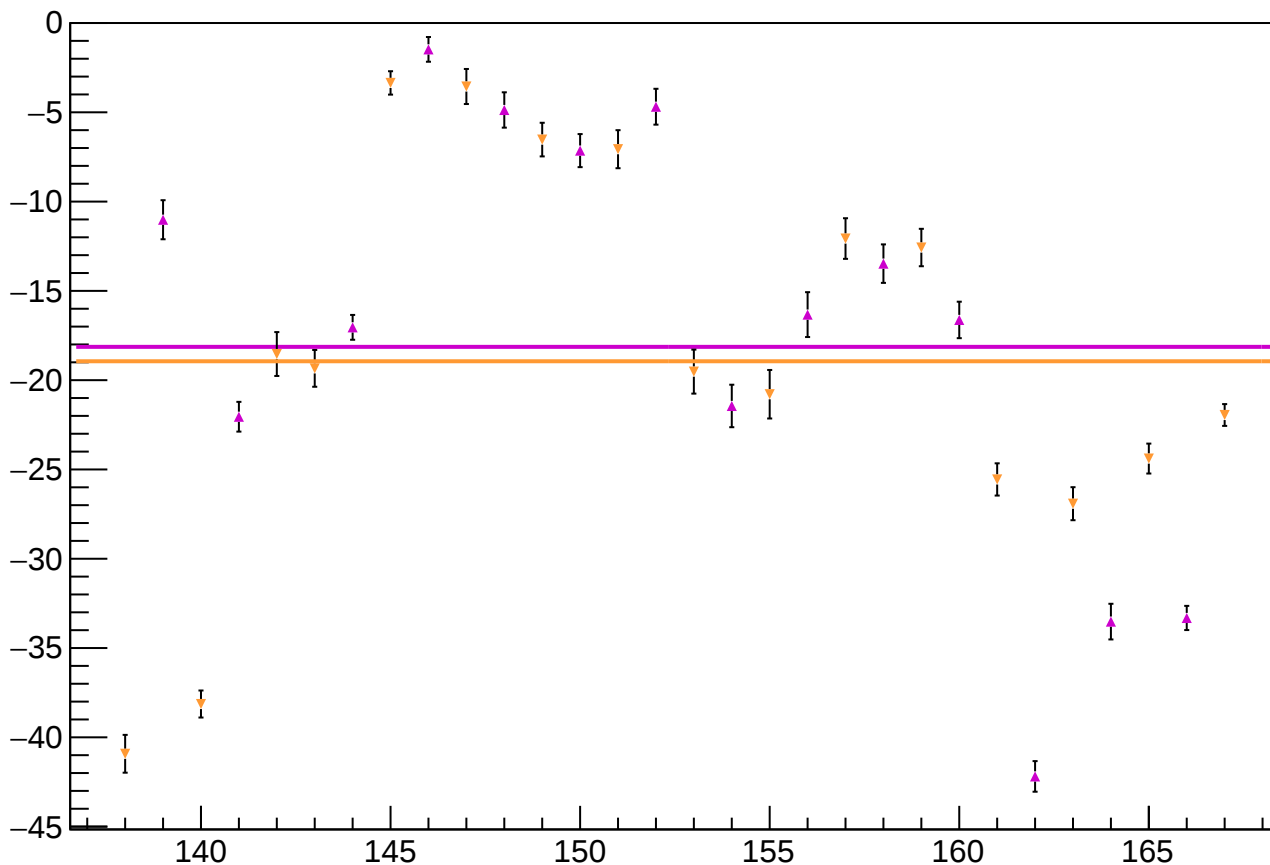
Left In: -0.066+/-0.008 χ^2/NDF : 1035.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.060+/-0.005 χ^2/NDF : 1754.9/29

- 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

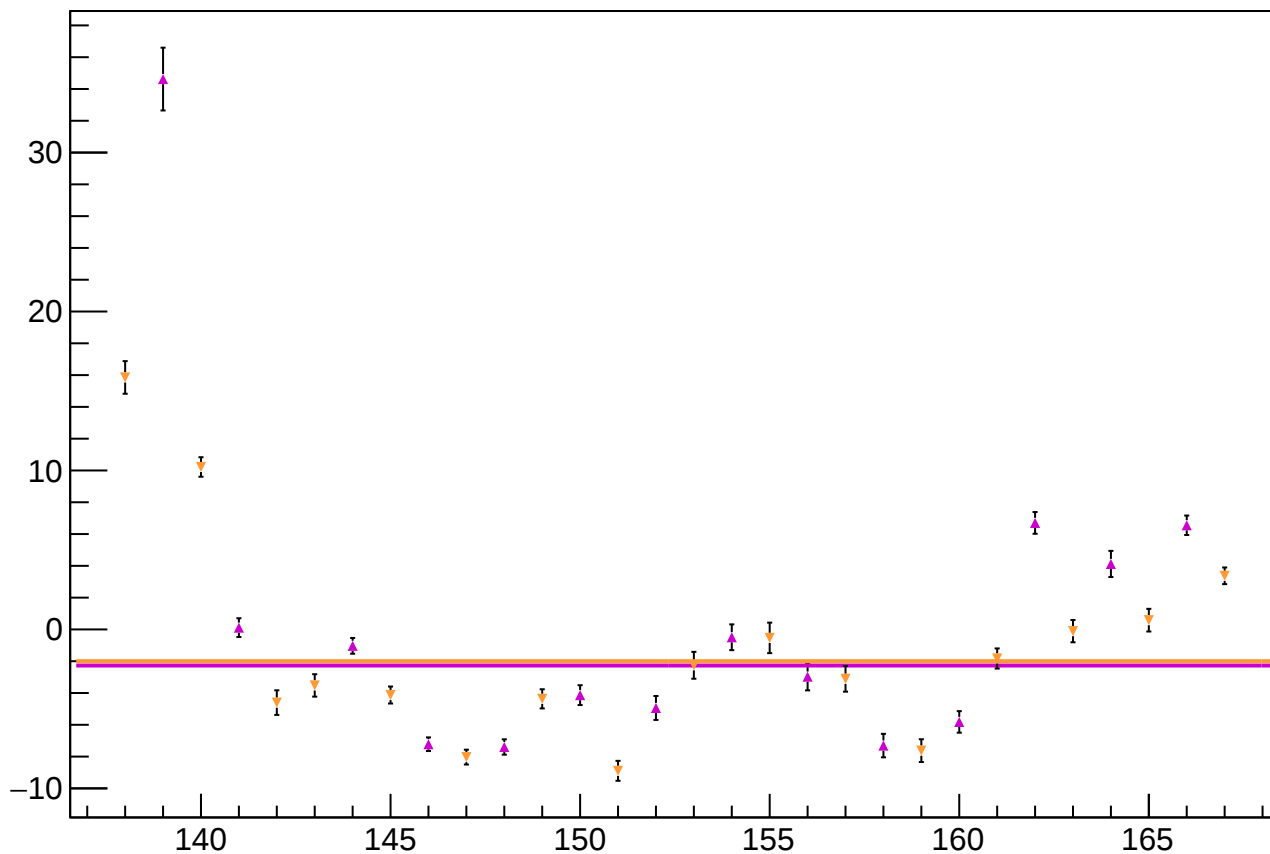
Left In: -18.134 ± 0.240 χ^2/NDF : 2704.5/13

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -18.556 ± 0.166 χ^2/NDF : 5165.5/29

- 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

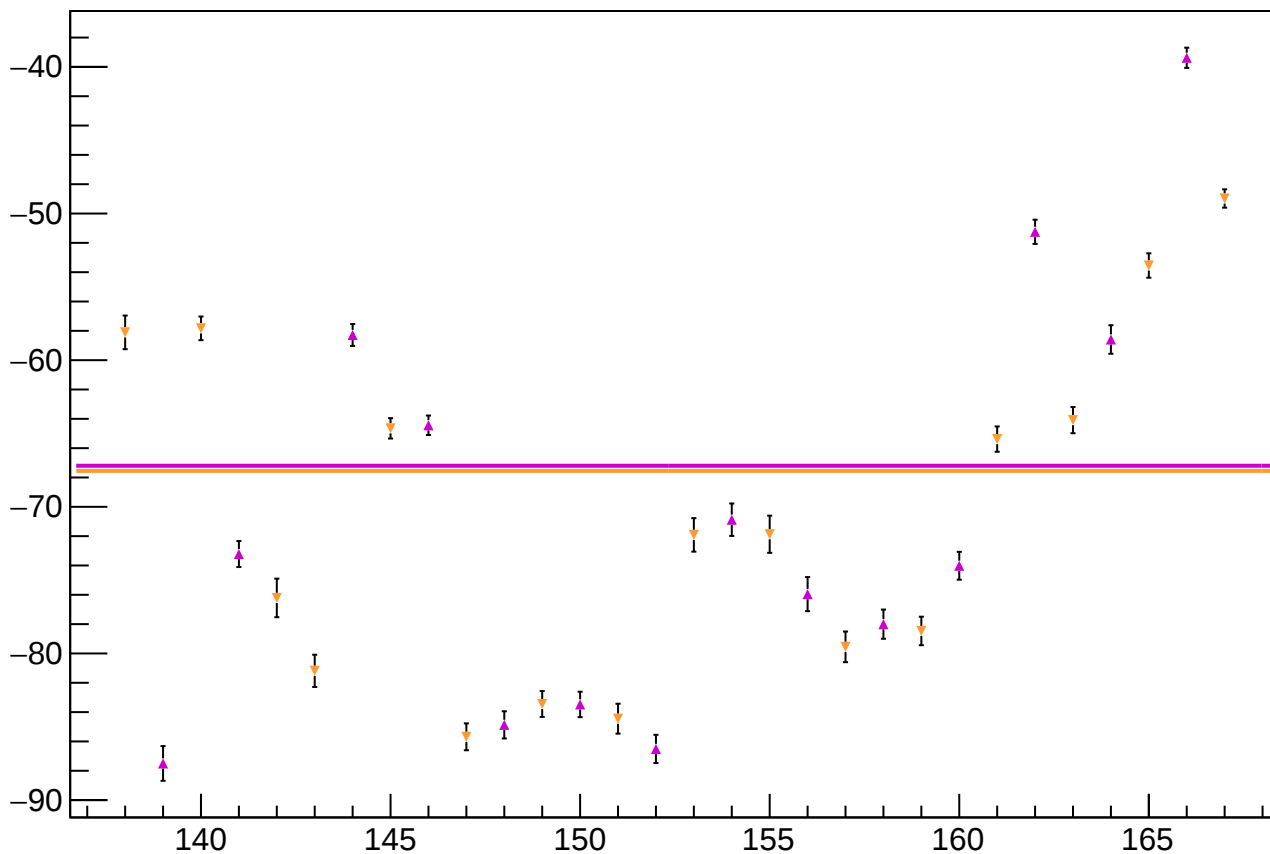
Left In: -2.271+/-0.170 χ^2/NDF :1159.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2.129+/-0.119 χ^2/NDF : 2384.6/29

- 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

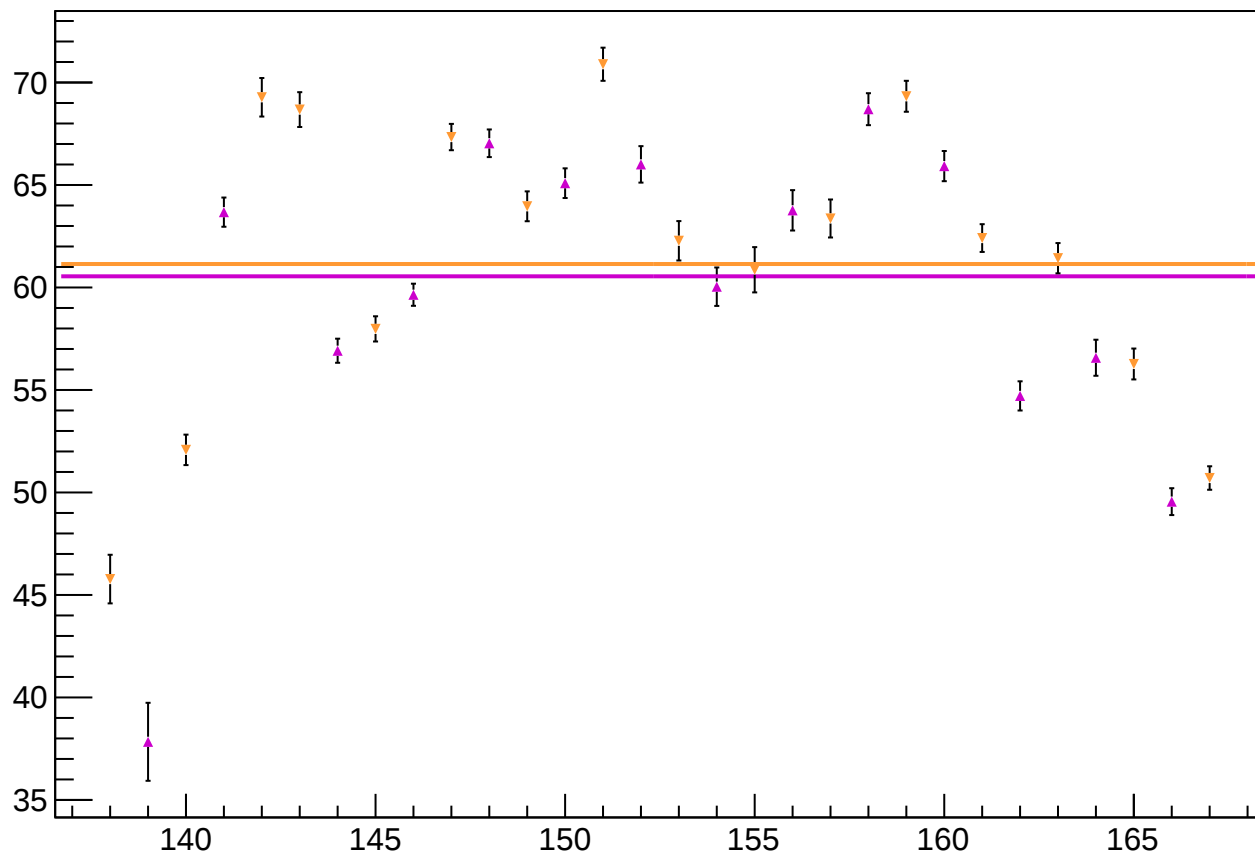
Left In: -67.198+/-0.236 χ^2/NDF : 3937.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -67.380+/-0.164 χ^2/NDF : 6831.3/29

- 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

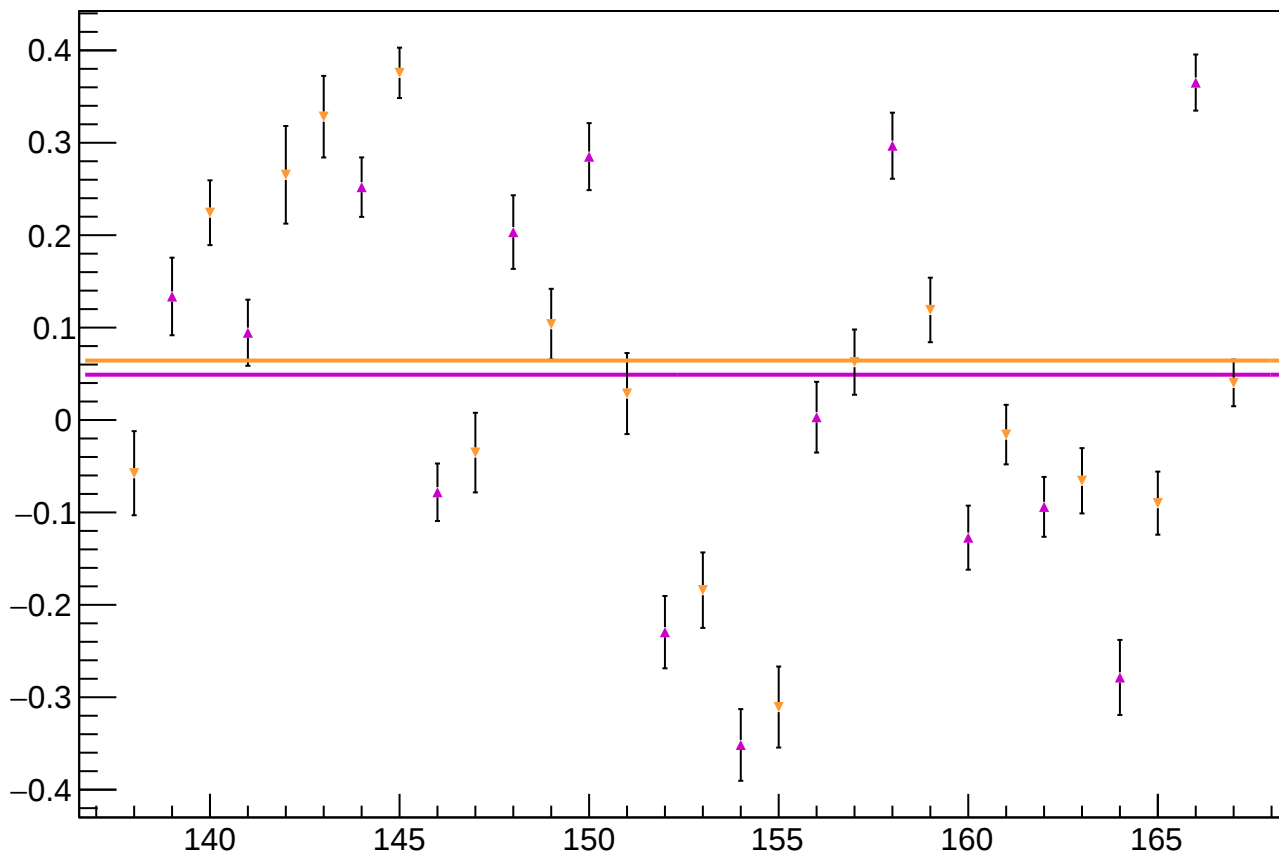
Left In: 60.545+/-0.199 χ^2/NDF :915.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 60.856+/-0.138 χ^2/NDF : 2172.5/29

- 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

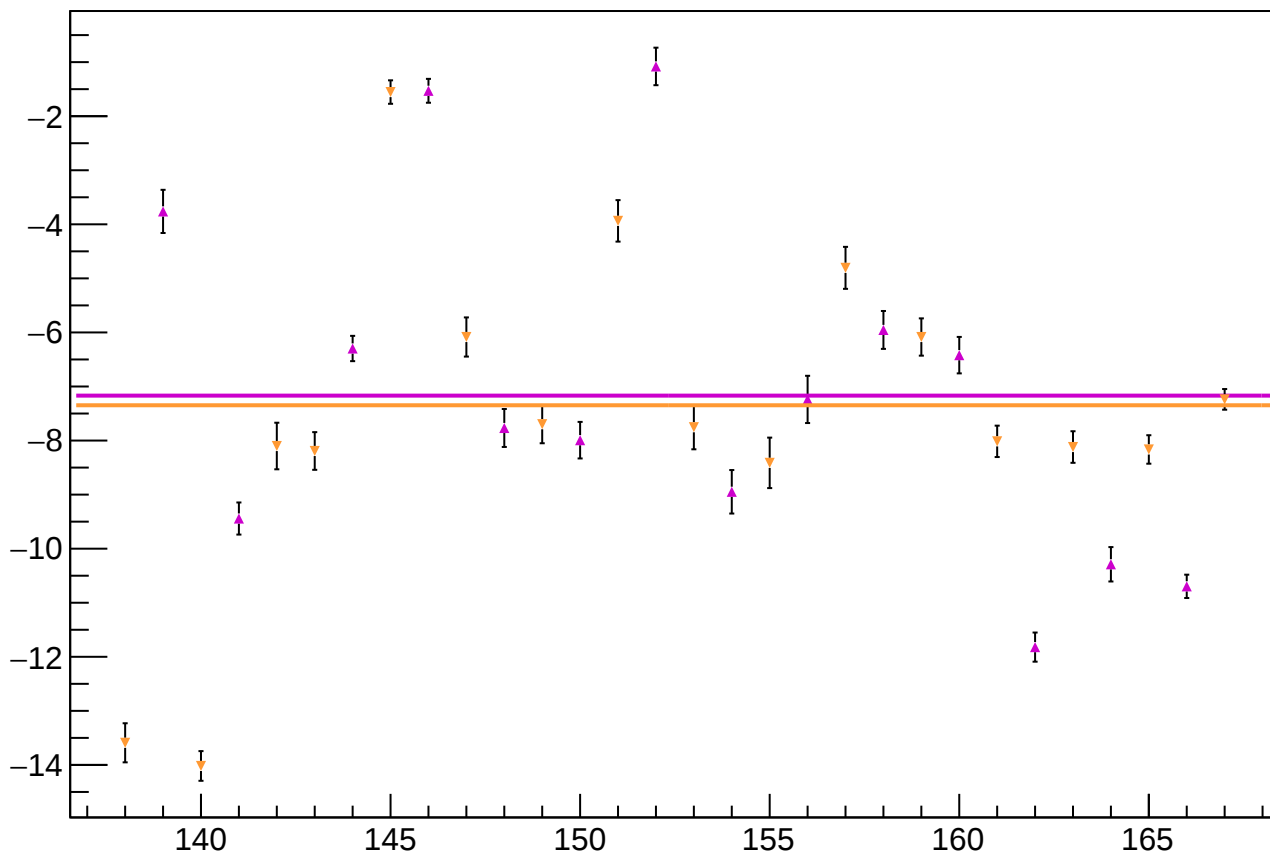
Left In: 0.049 $\pm$ 0.010 χ^2 /NDF:545.3/13

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

All: 0.057 $\pm$ 0.007 χ^2 /NDF: 916.1/29

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

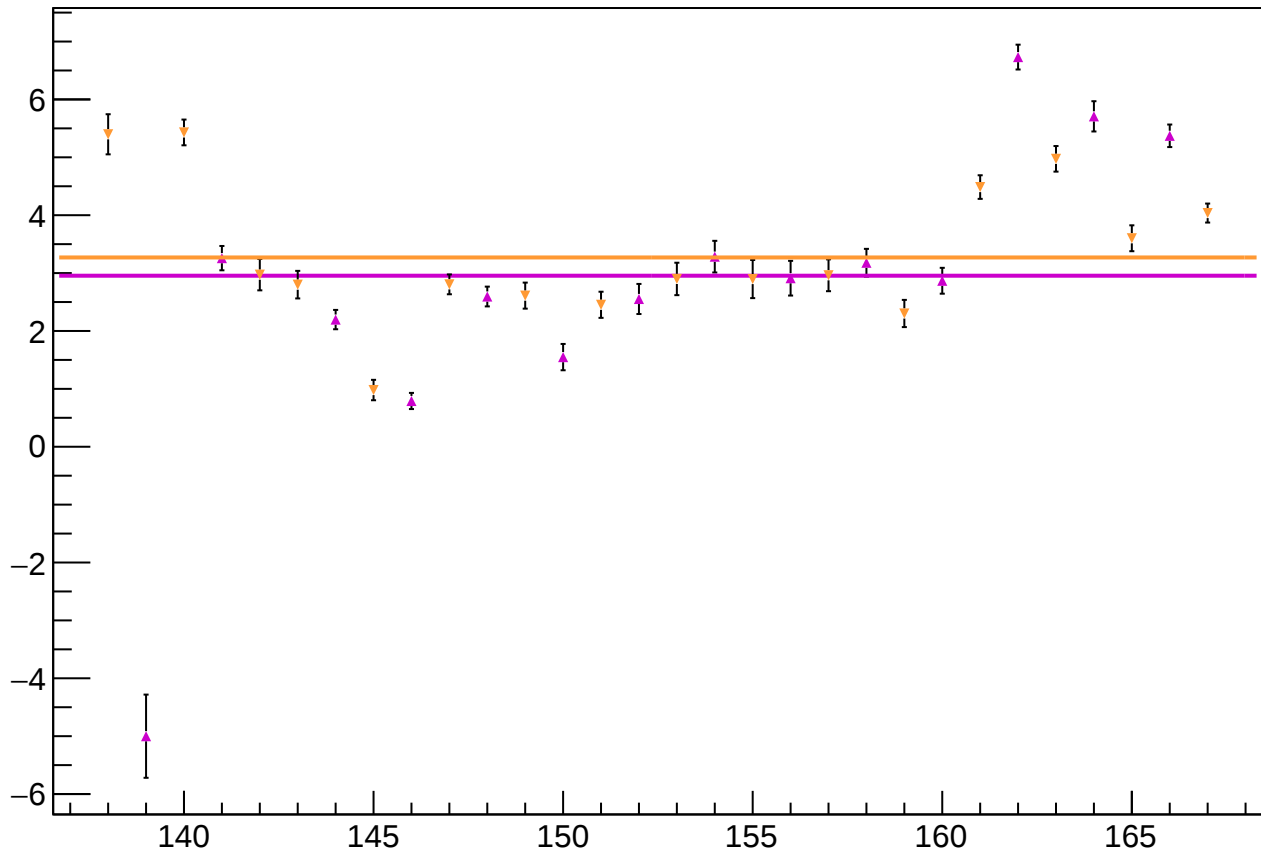
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



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: -7.169 $\pm$ 0.080 χ^2 /NDF:1811.6/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -7.262 $\pm$ 0.056 χ^2 /NDF: 3601.2/29
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

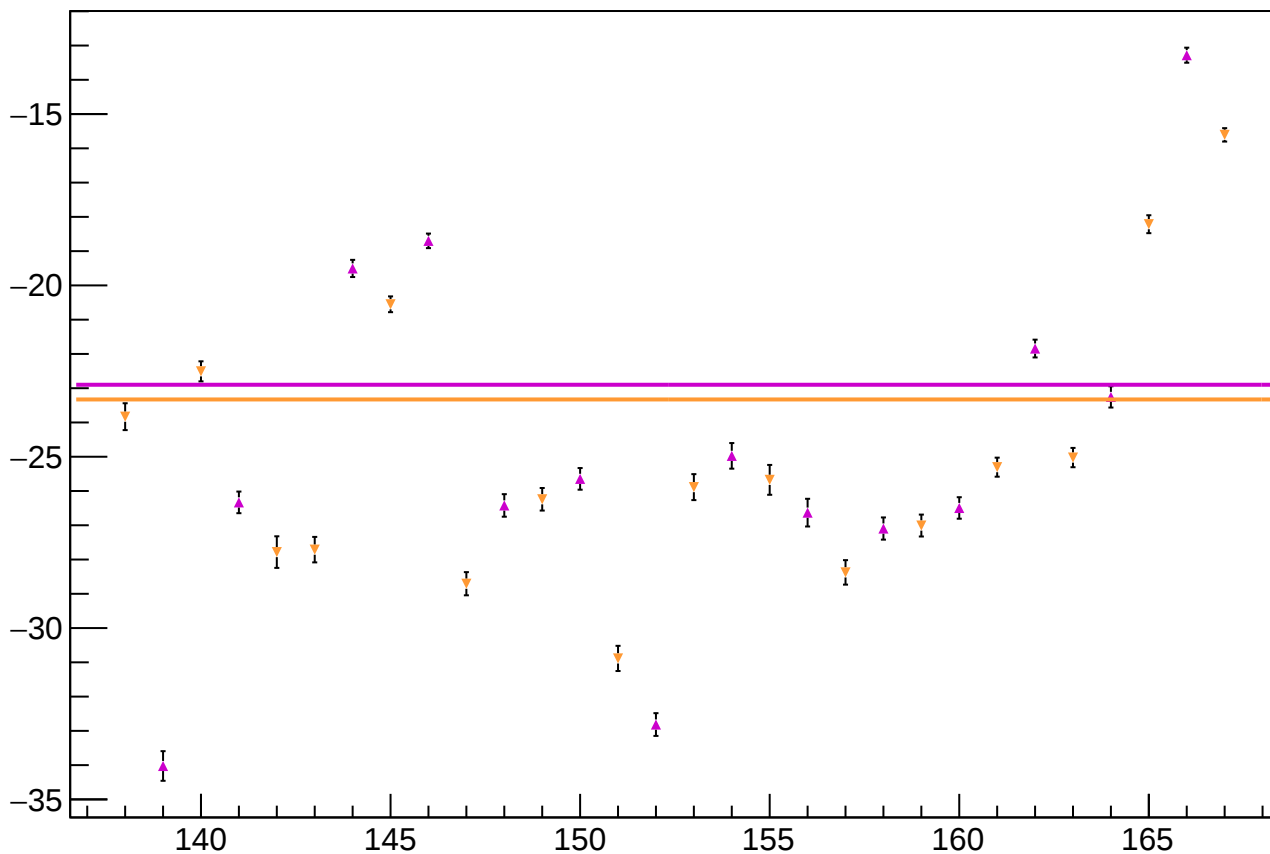
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



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: 2.955 ± 0.057 χ^2/NDF : 1008.3/13

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: 3.116 ± 0.040 χ^2/NDF : 1499.1/29
 - 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

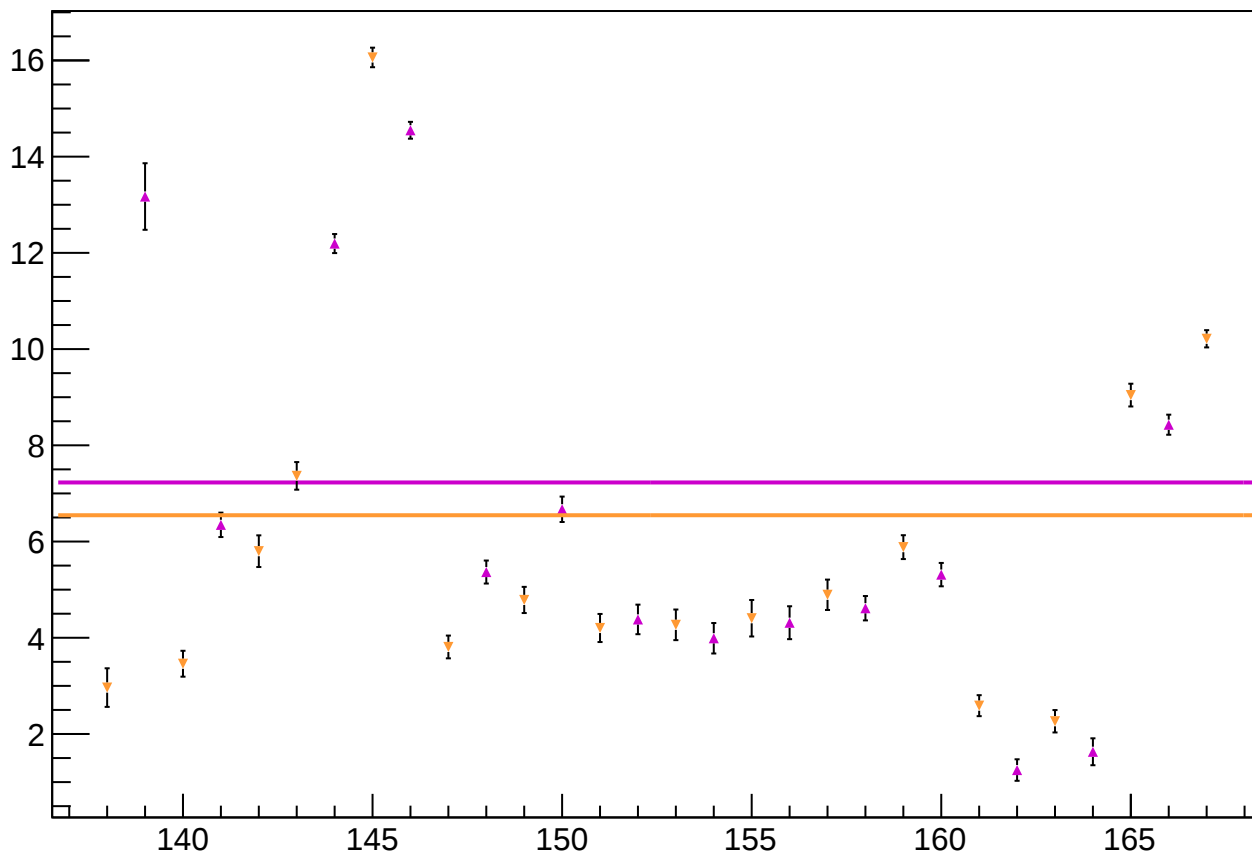
Left In: -22.899 $\pm$ 0.079 χ^2 /NDF: 4784.2/13

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

All: -23.120 $\pm$ 0.055 χ^2 /NDF: 8373.3/29

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

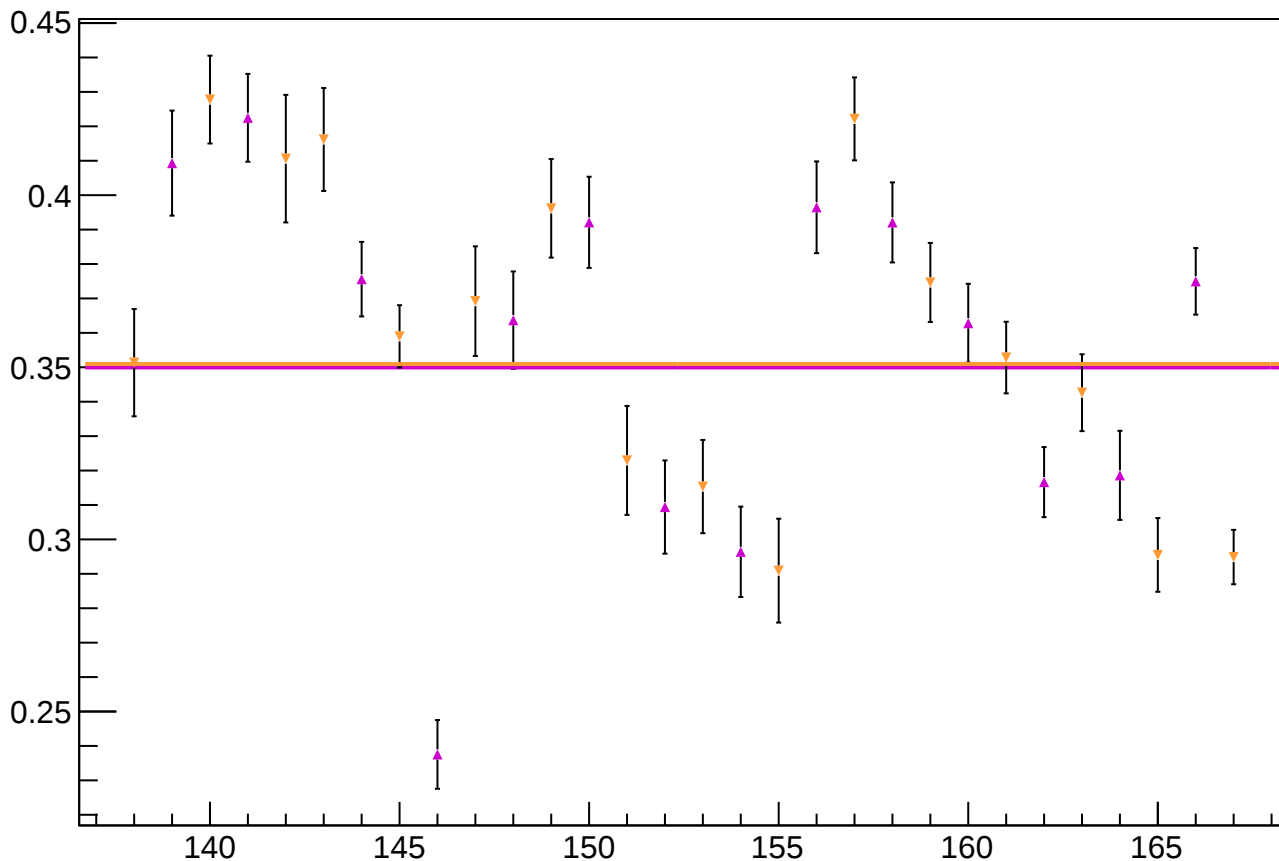
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



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: 7.228+/-0.067 χ^2/NDF :4112.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 6.876+/-0.046 χ^2/NDF : 8139.1/29
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

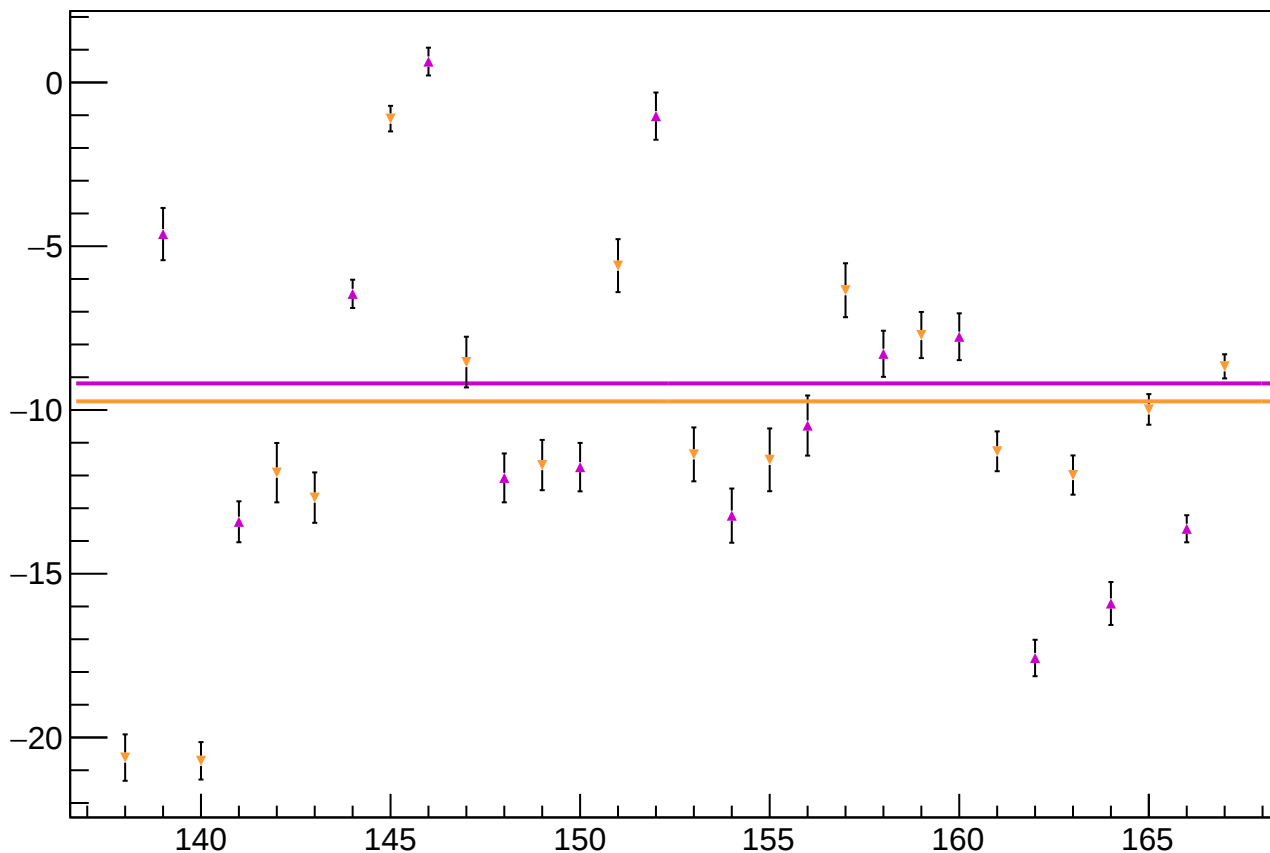
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



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: 0.350+/-0.003 χ^2/NDF :266.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.350+/-0.002 χ^2/NDF : 486.9/29
 - 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -9.737+/-0.153 χ^2/NDF : 1211.5/15

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

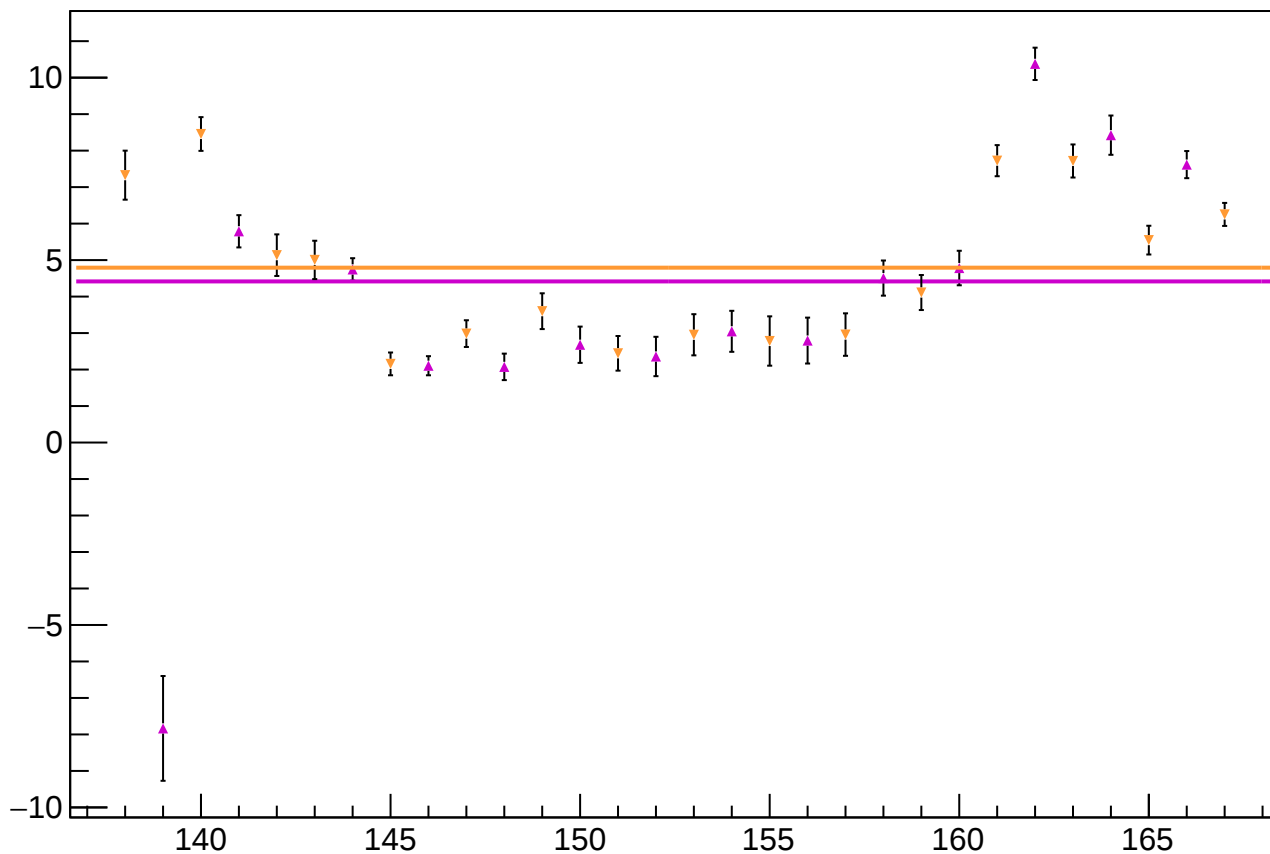
Left In: -9.189+/-0.161 χ^2/NDF : 1288.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -9.477+/-0.111 χ^2/NDF : 2506.3/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

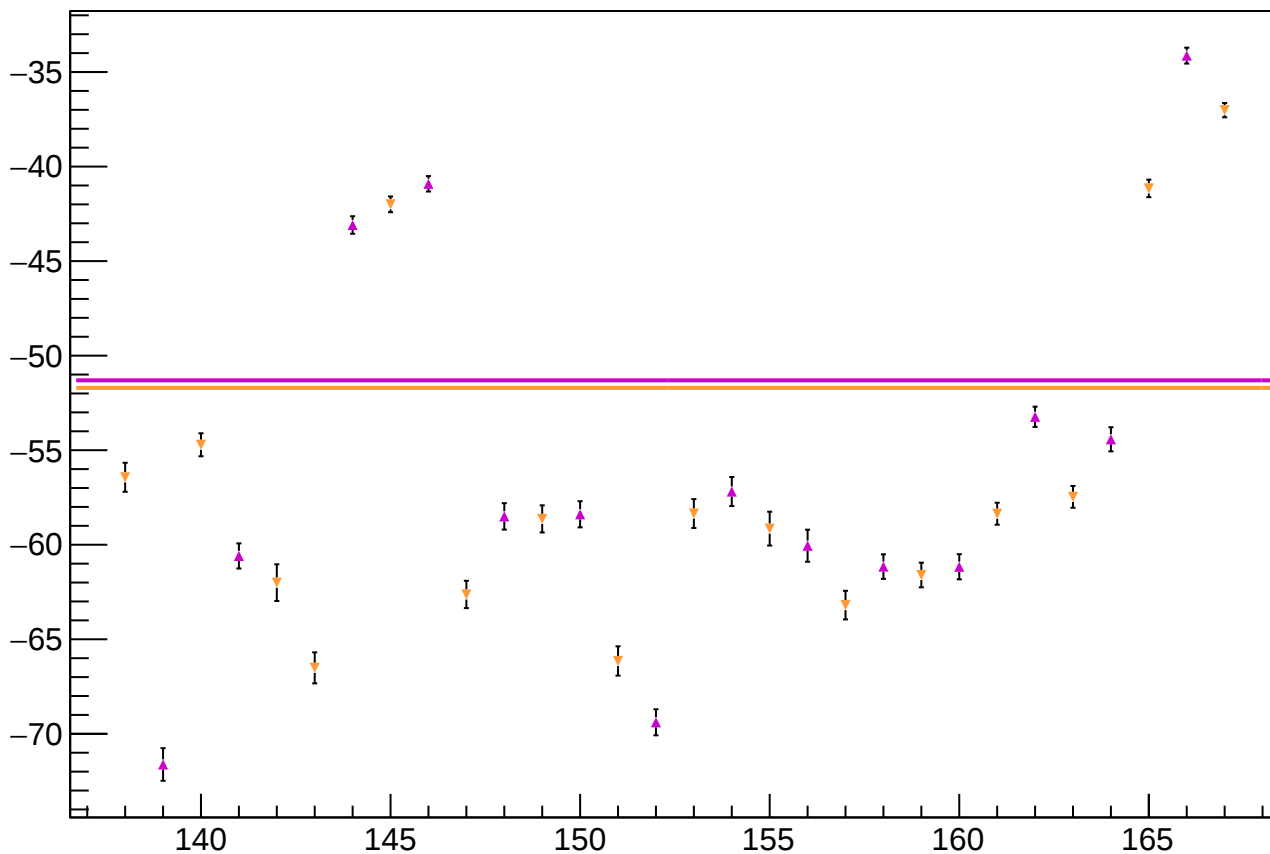
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.792 $\pm$ 0.112 χ^2 /NDF:349.1/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.416 $\pm$ 0.115 χ^2 /NDF:553.7/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 4.608 $\pm$ 0.080 χ^2 /NDF: 908.3/29
 - 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

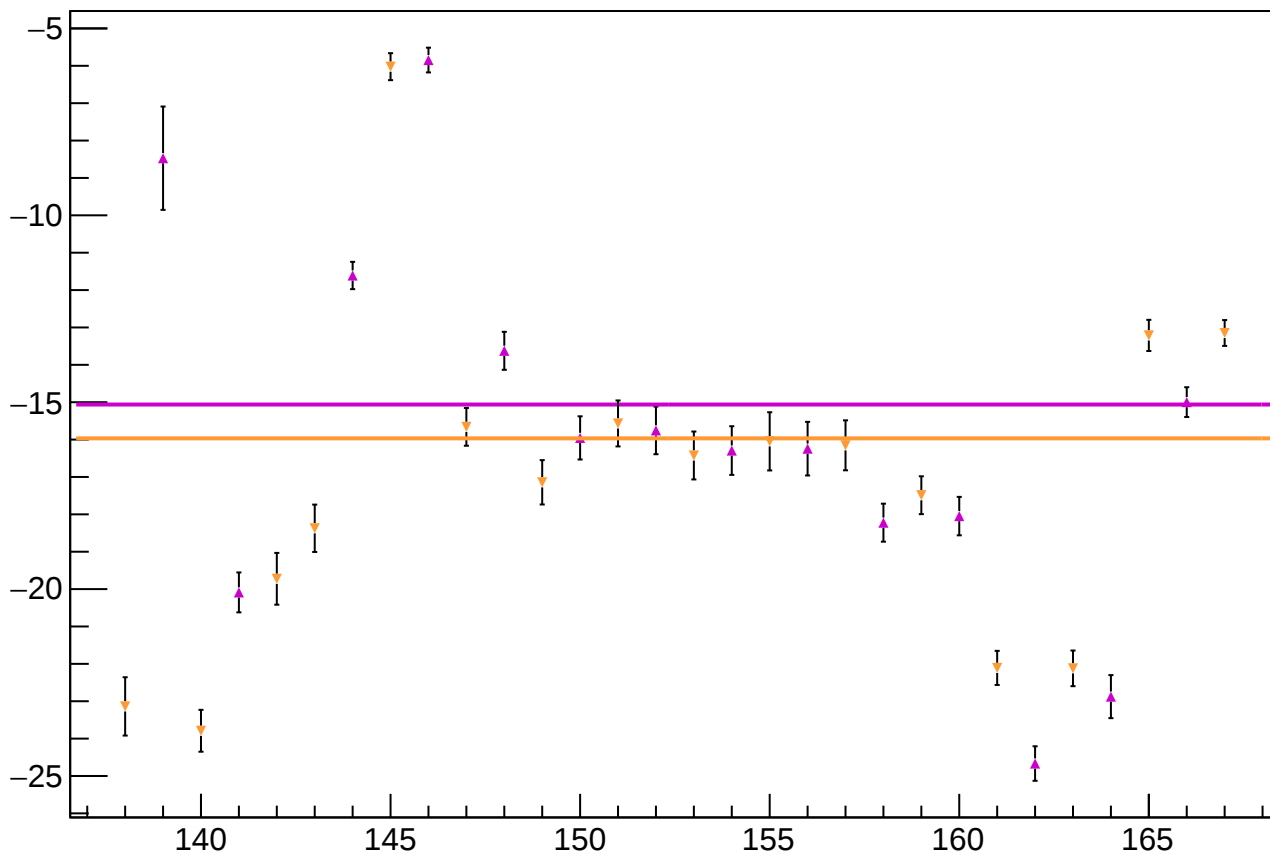
Left In: -51.306+/-0.158 χ^2/NDF : 4930.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -51.512+/-0.110 χ^2/NDF : 9516.3/29

- 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

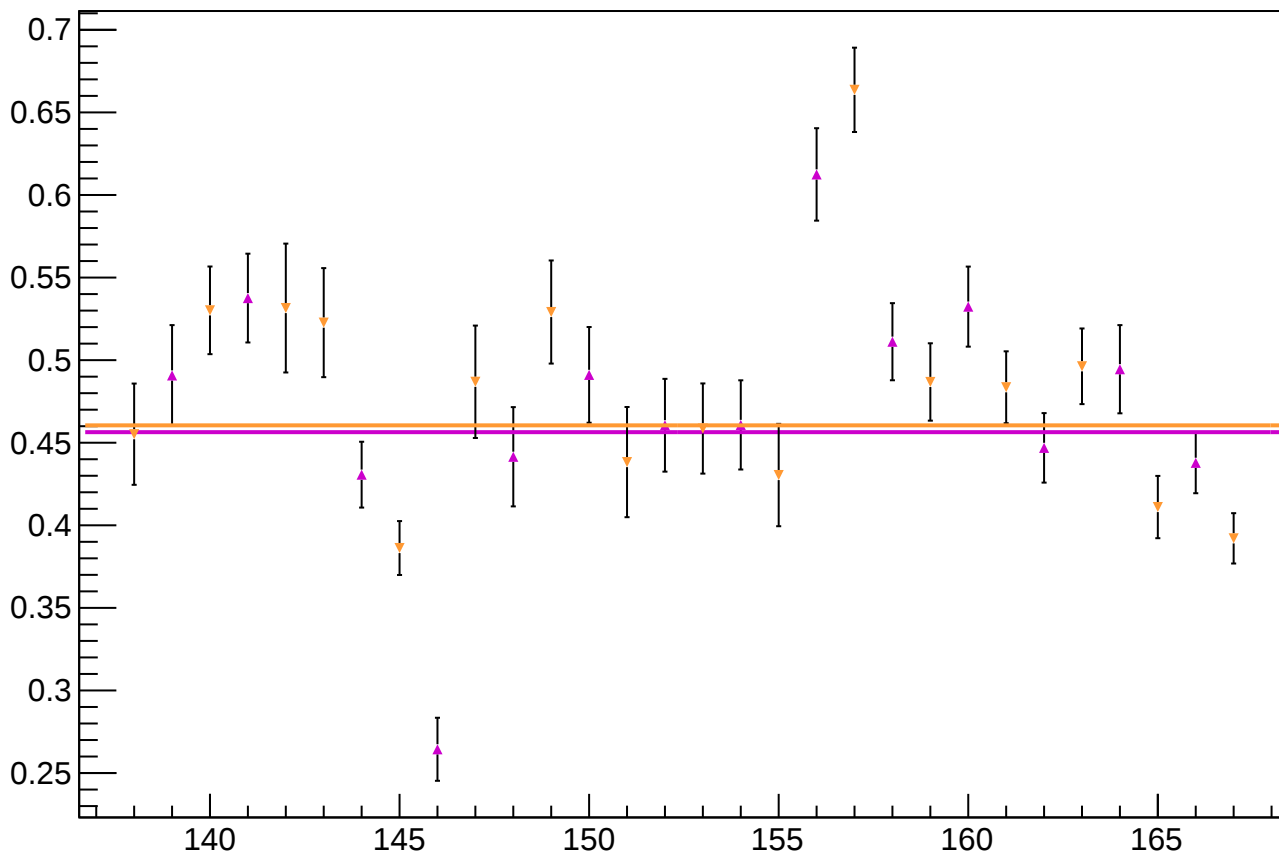
Left In: -15.062 $\pm$ 0.134 χ^2 /NDF:1682.3/13

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

All: -15.531 $\pm$ 0.093 χ^2 /NDF: 3261.2/29

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

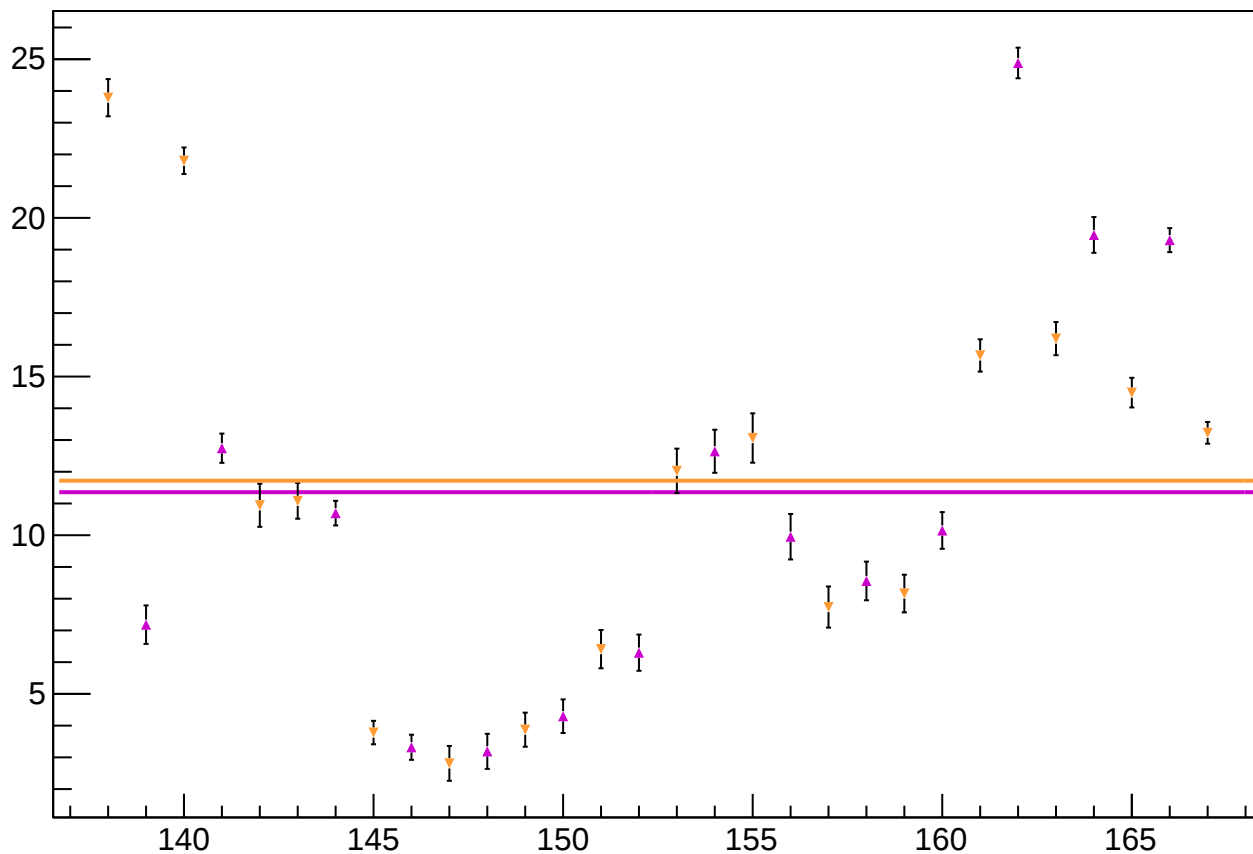
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



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: 0.456 $\pm$ 0.006 χ^2 /NDF:164.7/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.459 $\pm$ 0.004 χ^2 /NDF: 301.4/29
 - 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

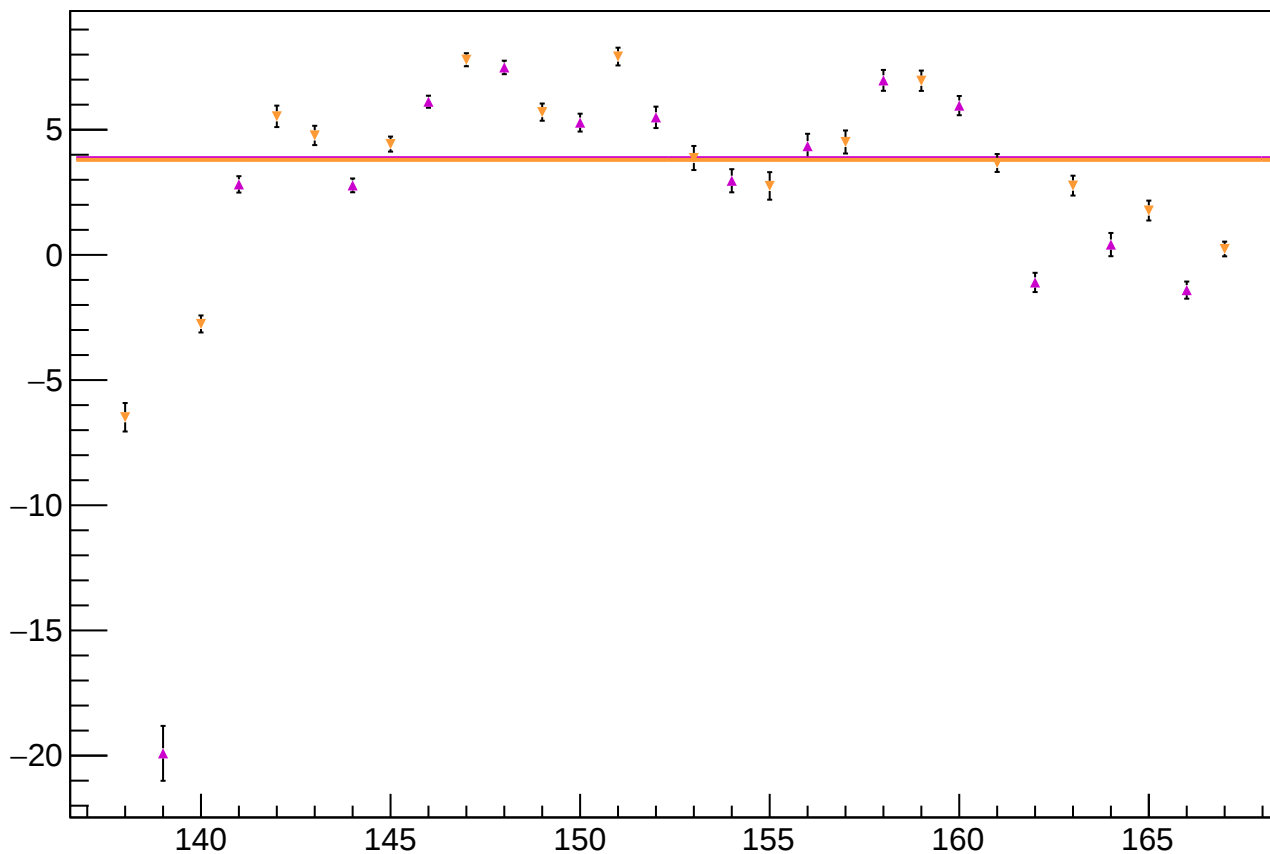
Left In: 11.356+/-0.135 χ^2/NDF : 2412.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 11.546+/-0.093 χ^2/NDF : 4704.2/29

- 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

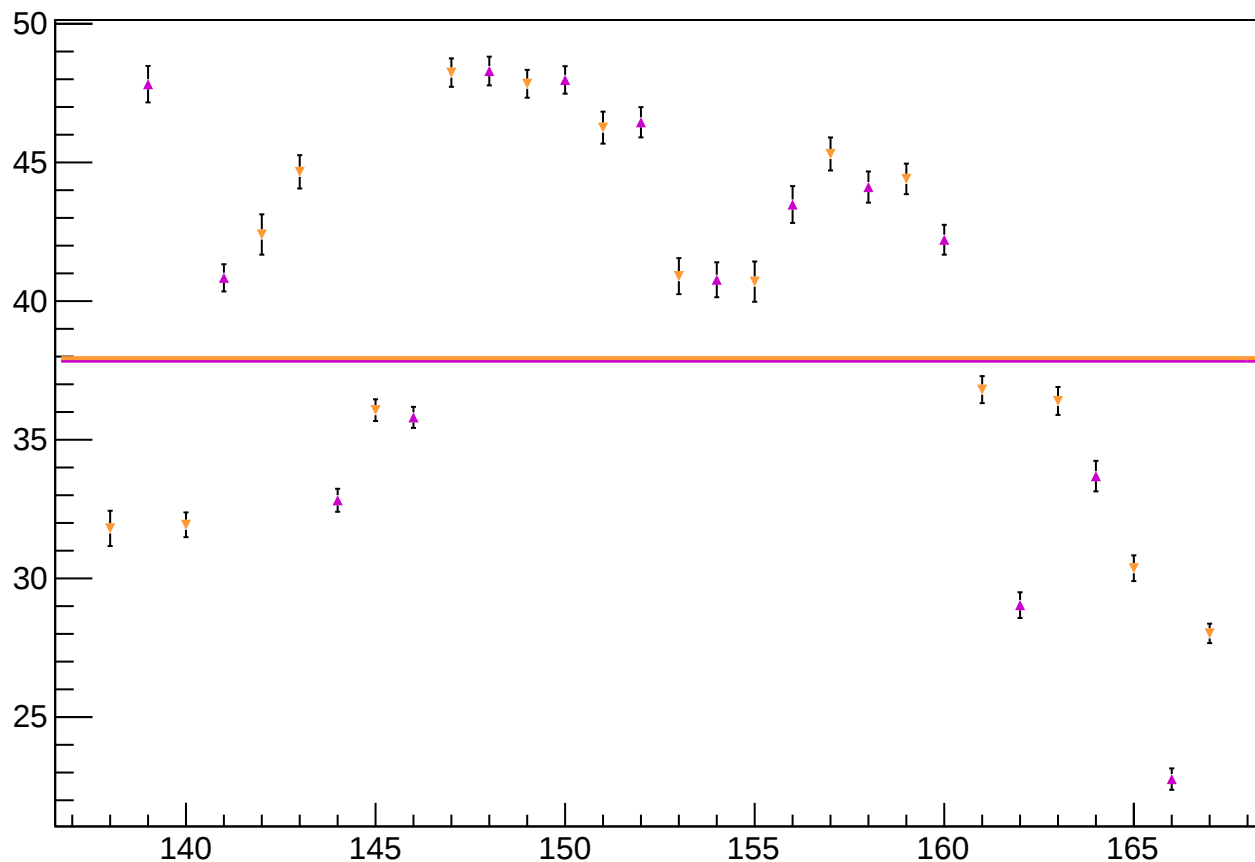
Left In: 3.864 $\pm$ 0.096 χ^2 /NDF:1343.5/13

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

All: 3.829 $\pm$ 0.067 χ^2 /NDF: 2717.3/29

- 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

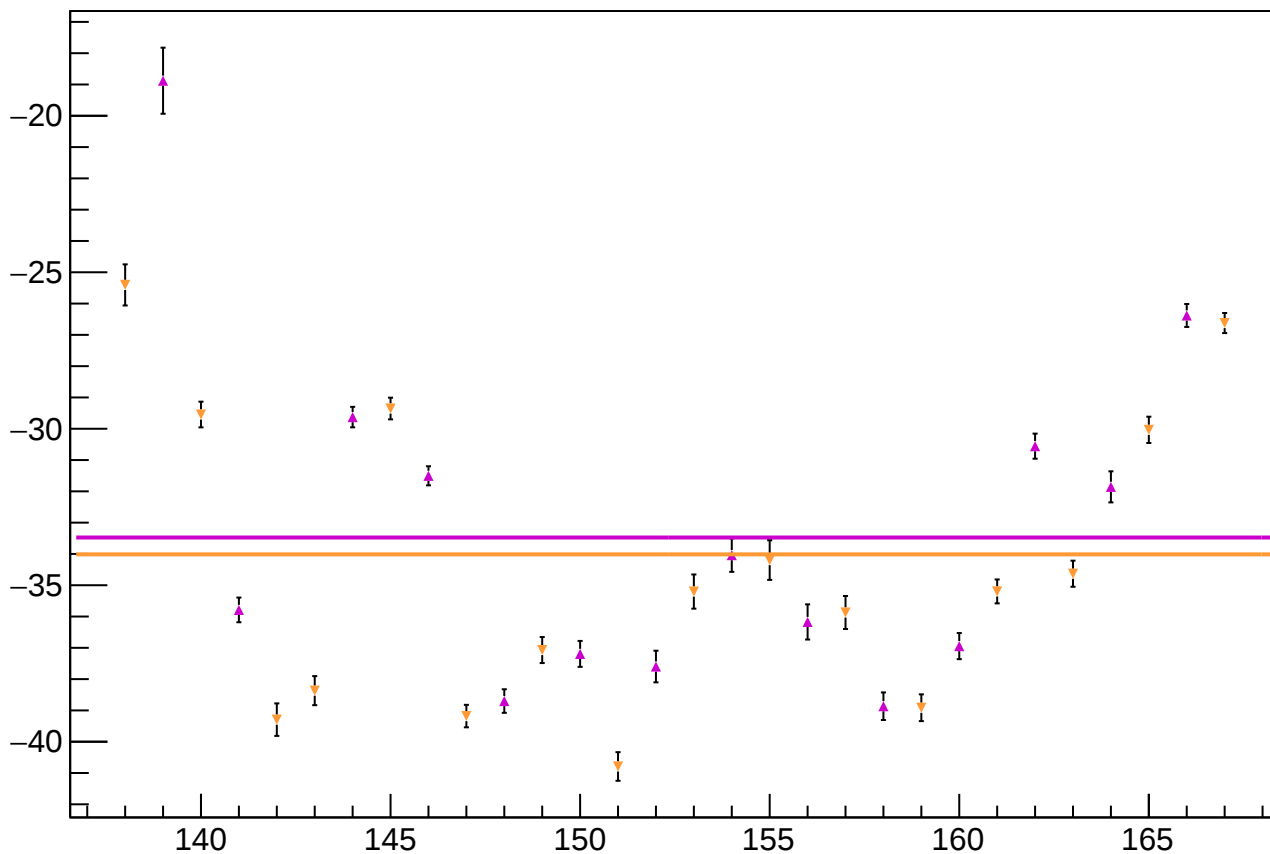
Left In: 37.852+/-0.133 χ^2/NDF : 3746.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 37.900+/-0.092 χ^2/NDF : 6616.5/29

- 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

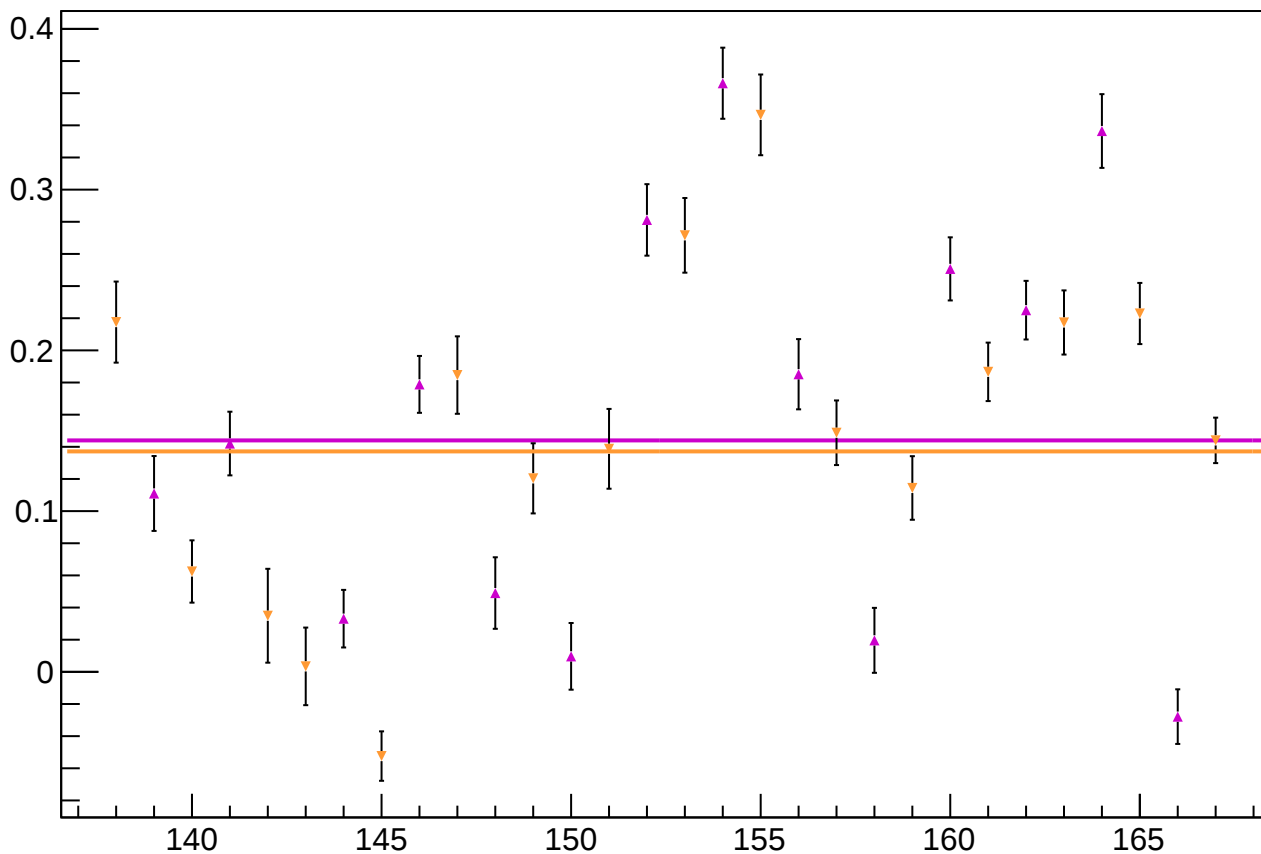
Left In: -33.475+/-0.112 χ^2/NDF :1426.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -33.755+/-0.078 χ^2/NDF : 3361.8/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

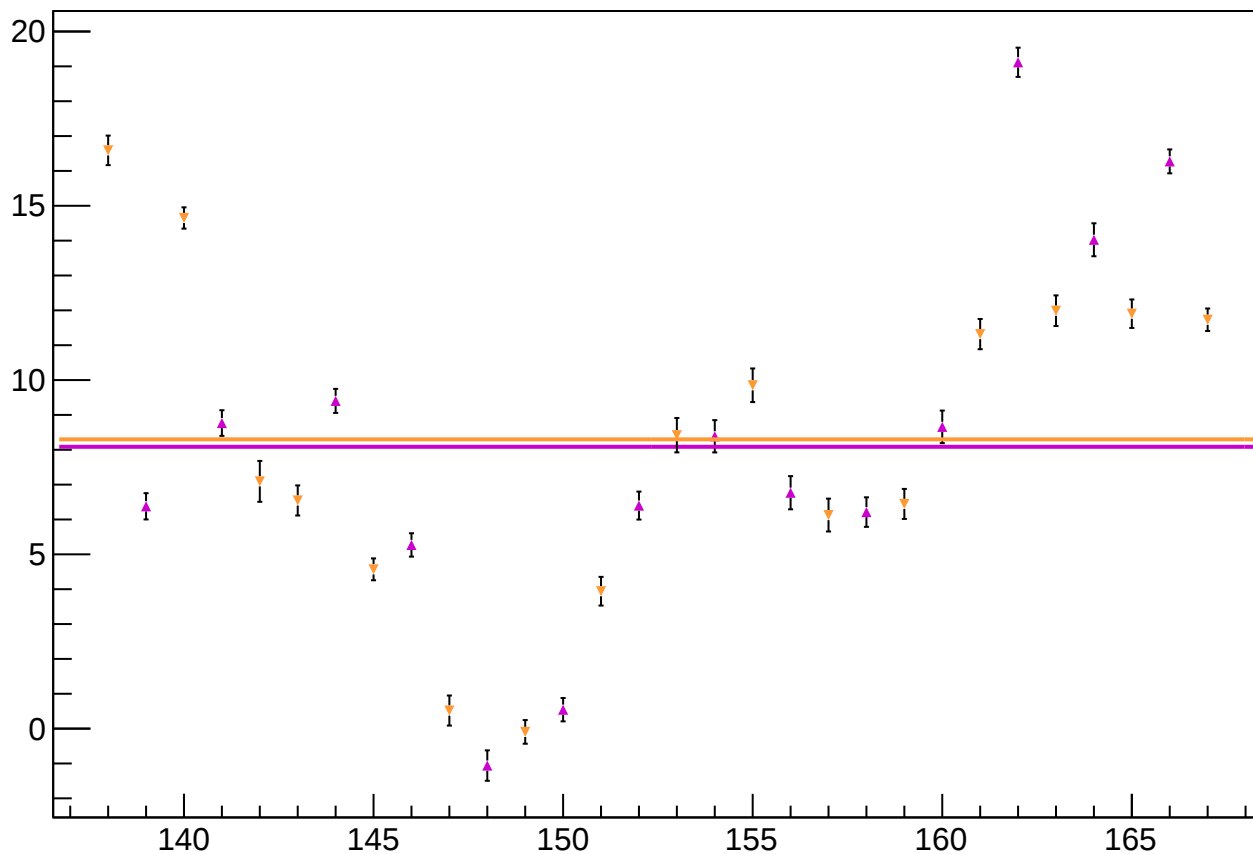
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.137 $\pm$ 0.005 χ^2 /NDF:373.1/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.144 $\pm$ 0.005 χ^2 /NDF:506.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.140 $\pm$ 0.004 χ^2 /NDF: 880.8/29
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

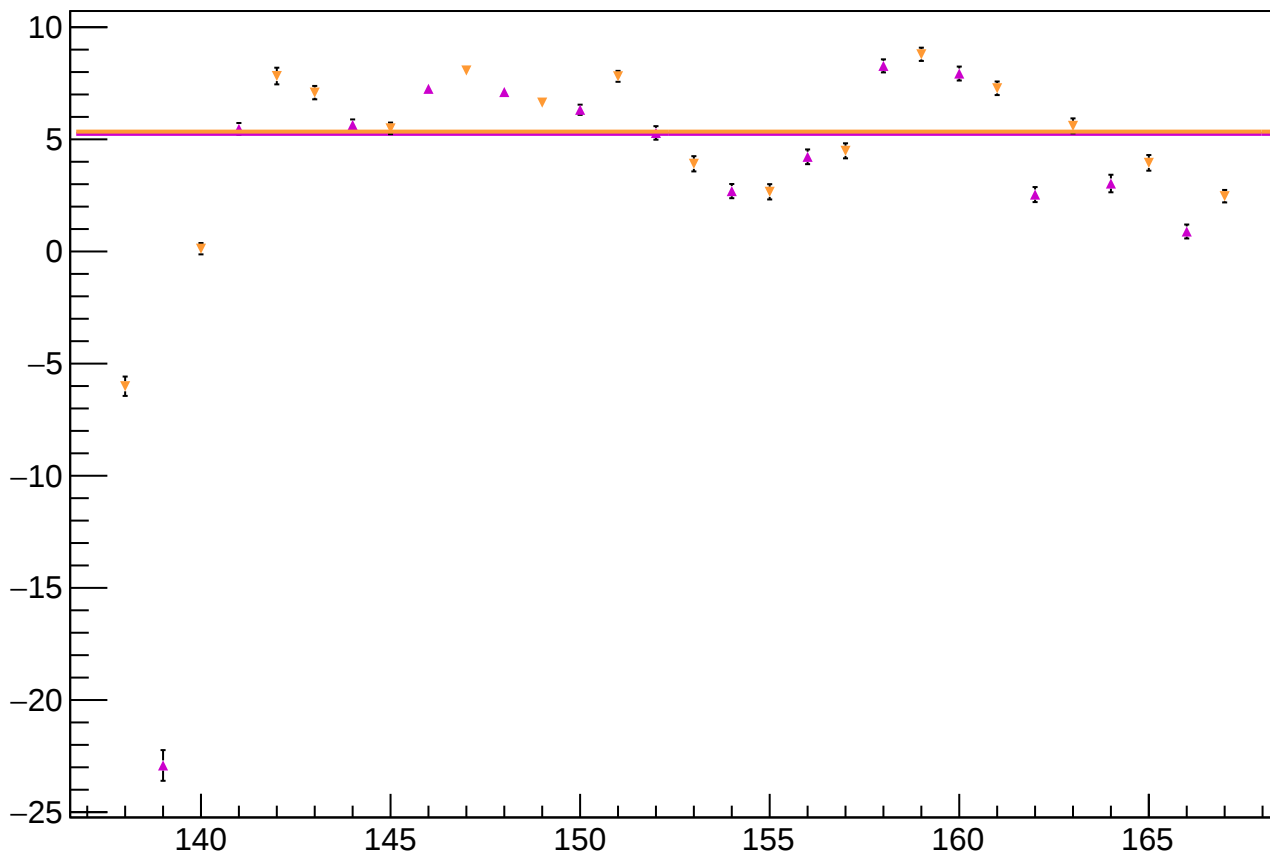
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.299 $\pm$ 0.100 χ^2 /NDF:2388.4/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 8.086 $\pm$ 0.105 χ^2 /NDF:2519.8/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 8.198 $\pm$ 0.073 χ^2 /NDF: 4910.3/29
 - sign 0.000 $\pm$ 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

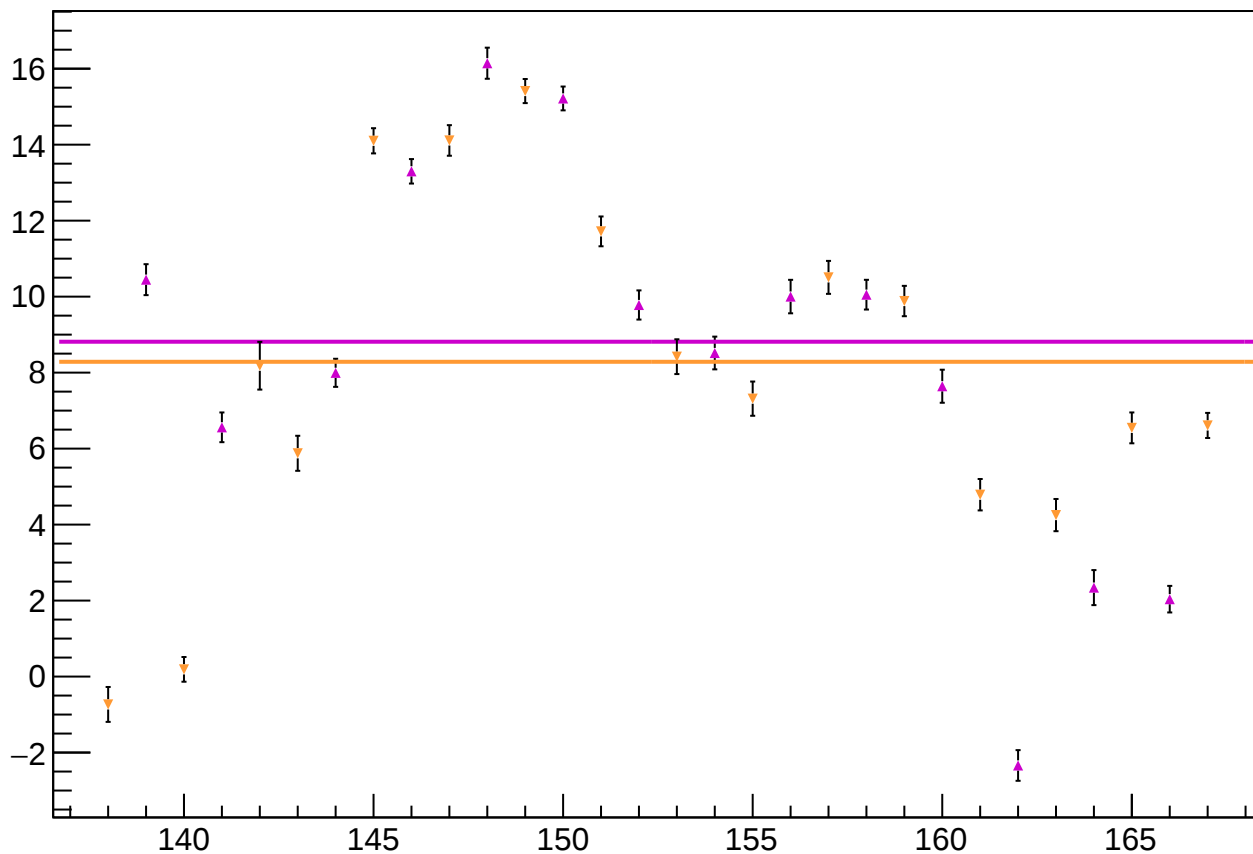
Left In: 5.244 $\pm$ 0.076 χ^2 /NDF:2433.2/13

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

All: 5.297 $\pm$ 0.052 χ^2 /NDF: 4328.2/29

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

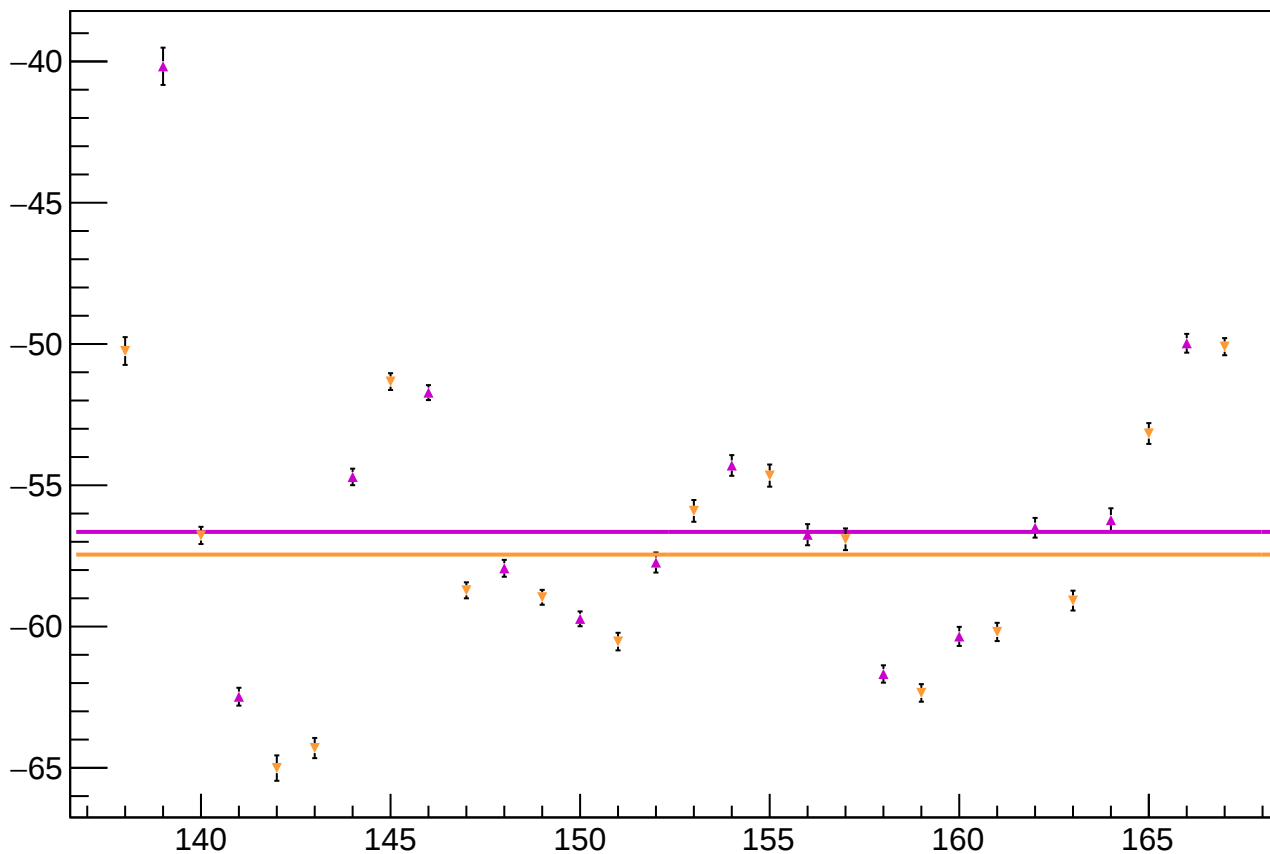
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.285 $\pm$ 0.099 χ^2 /NDF:2383.7/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 8.813 $\pm$ 0.103 χ^2 /NDF:2353.2/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 8.539 $\pm$ 0.072 χ^2 /NDF: 4750.5/29
 - sign 0.000 $\pm$ 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

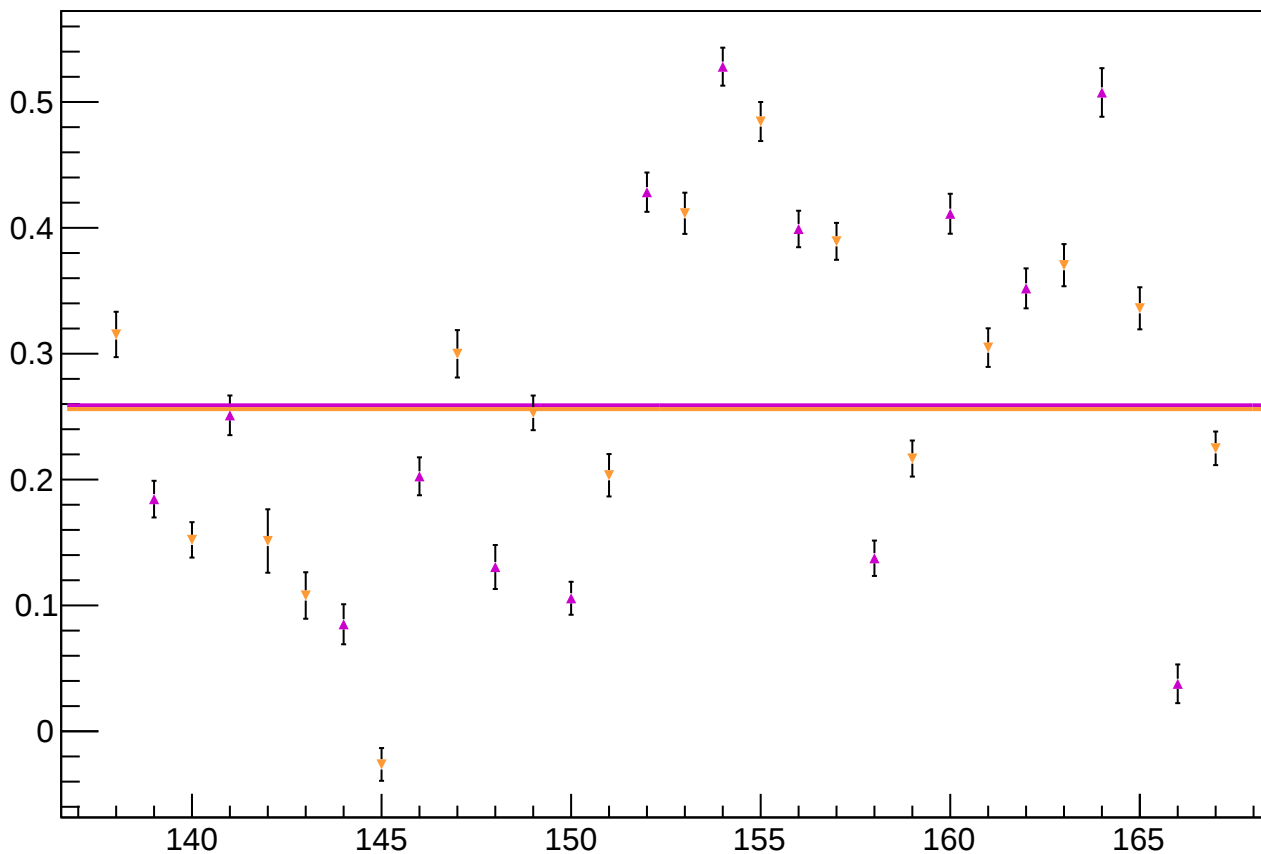
Left In: -56.650+/-0.088 χ^2/NDF : 2352.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -57.072+/-0.061 χ^2/NDF : 4973.6/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

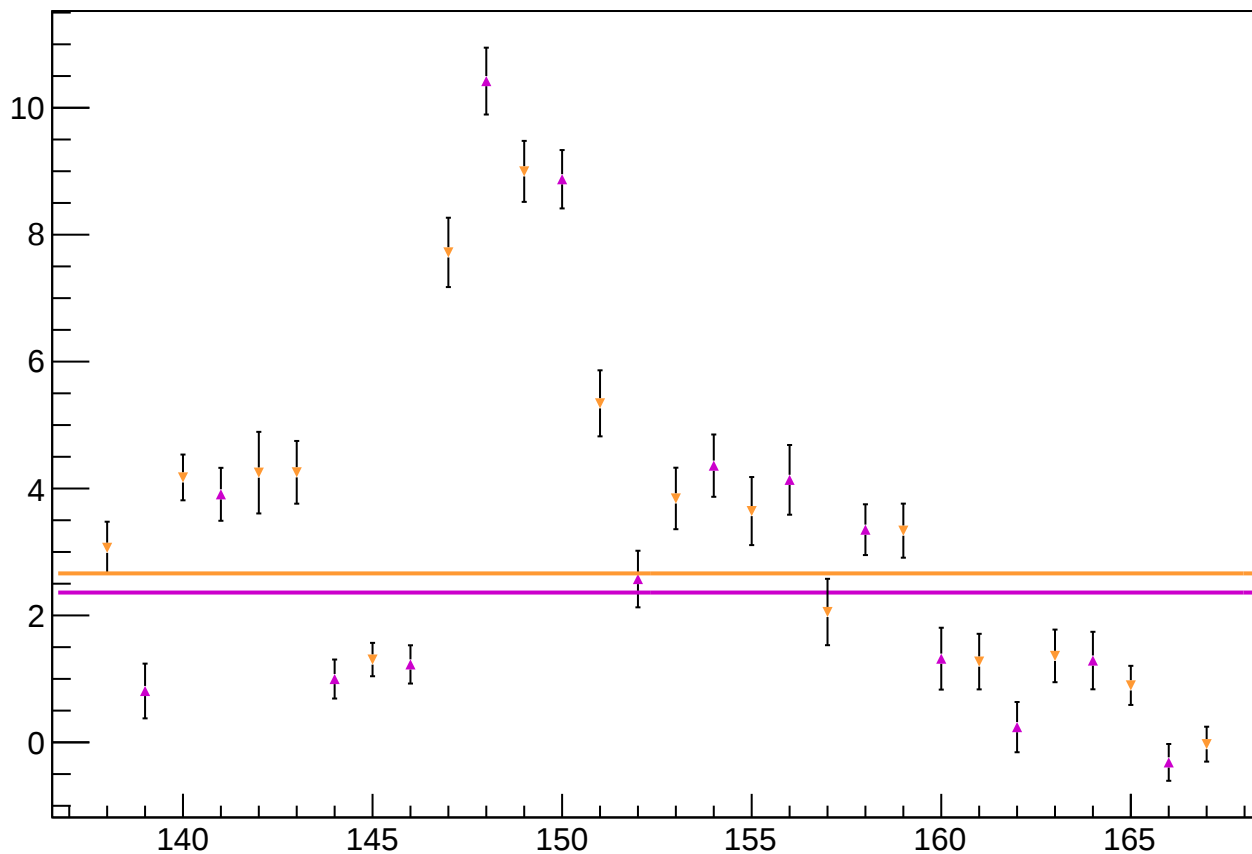
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



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: 0.259 $\pm$ 0.004 χ^2 /NDF:1453.5/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.257 $\pm$ 0.003 χ^2 /NDF: 2569.1/29
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

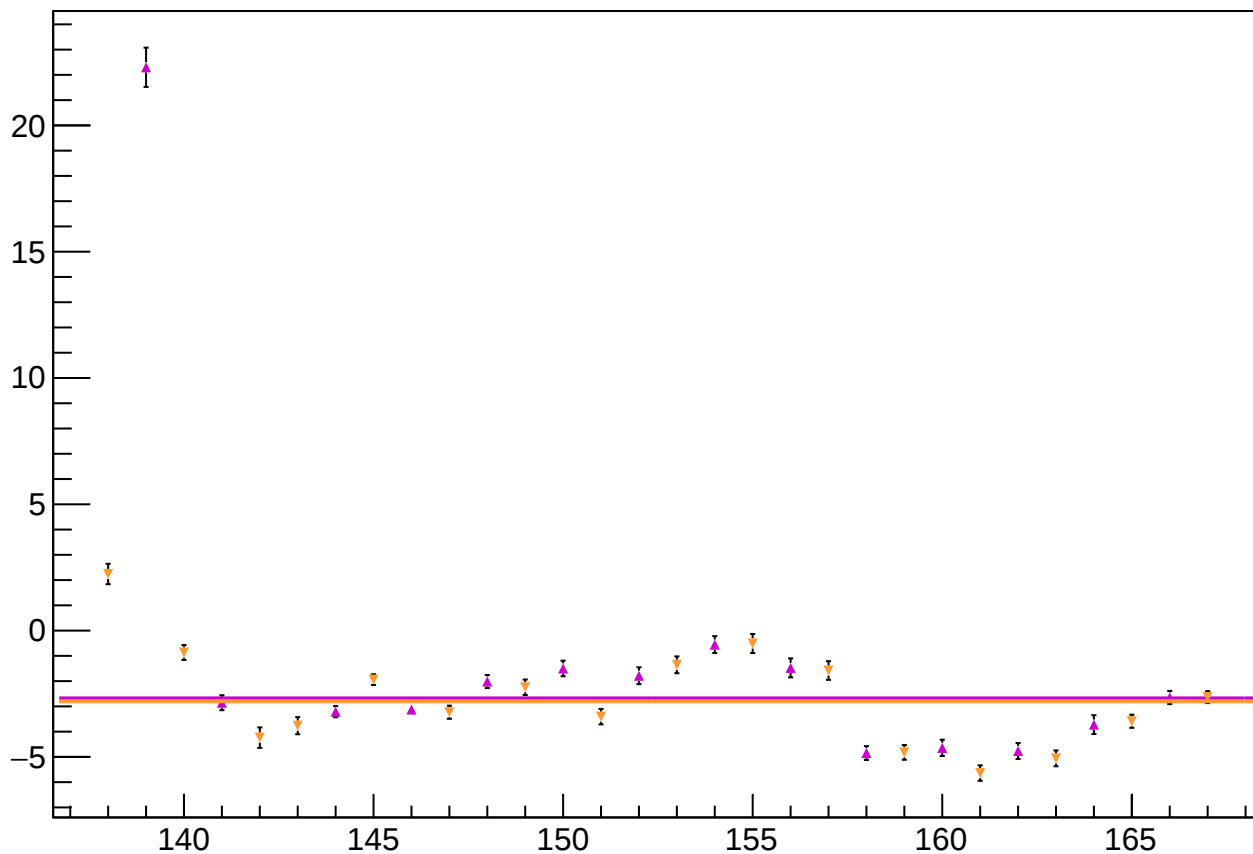
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.662+/-0.101 χ^2/NDF : 509.2/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.361+/-0.107 χ^2/NDF : 652.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 2.520+/-0.074 χ^2/NDF : 1166.1/29
 - sign 0.000+/-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

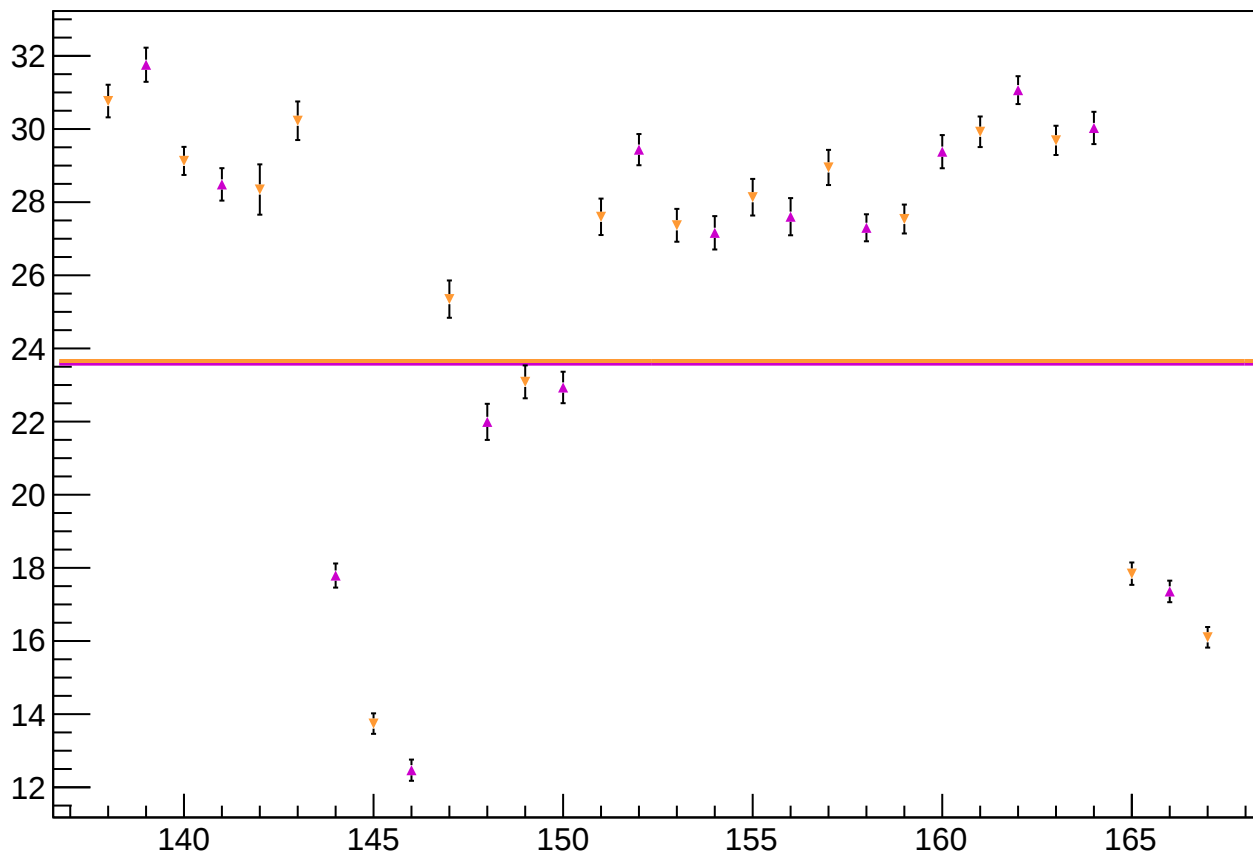
Left In: -2.685 $\pm$ 0.078 χ^2 /NDF:1274.0/13

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

All: -2.743 $\pm$ 0.054 χ^2 /NDF: 1782.9/29

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

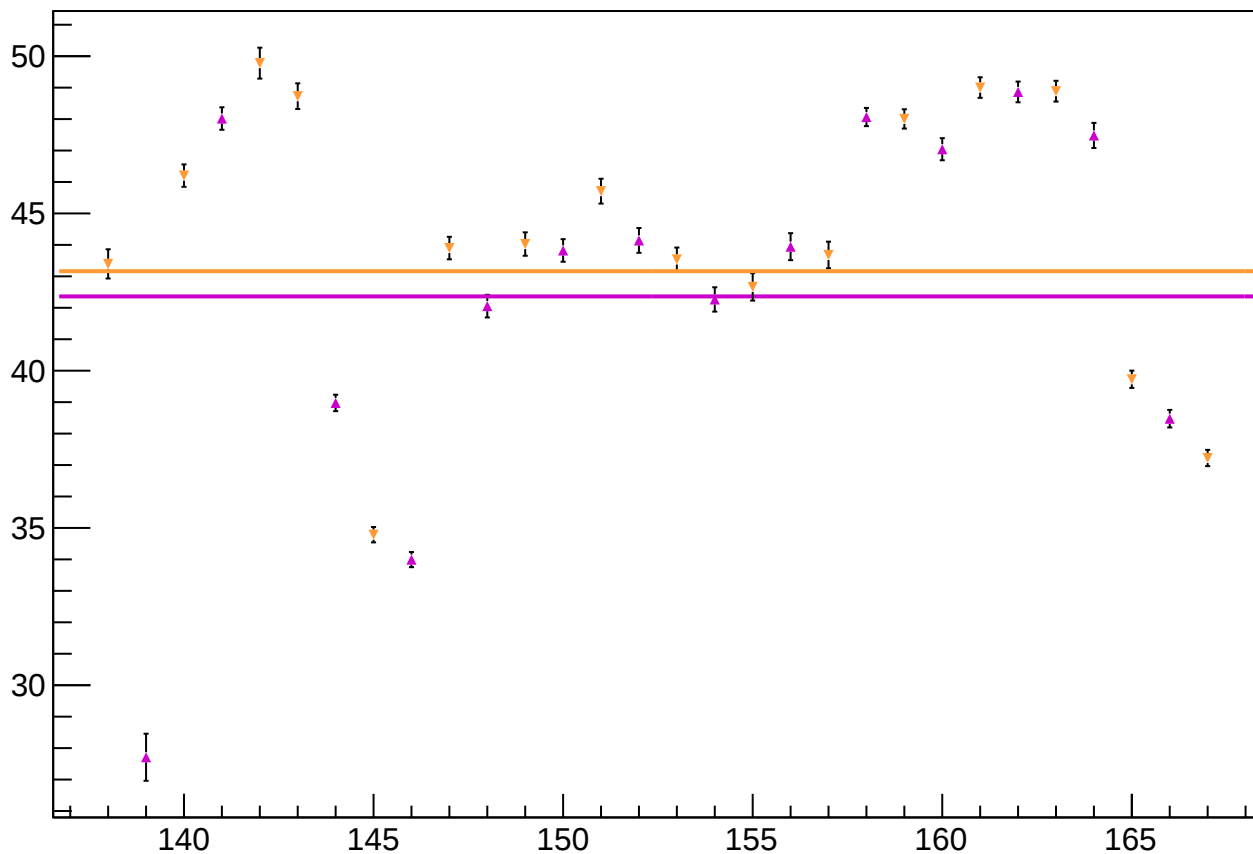
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



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: 23.585+/-0.105 χ^2/NDF : 3841.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 23.622+/-0.073 χ^2/NDF : 7725.4/29
 - 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

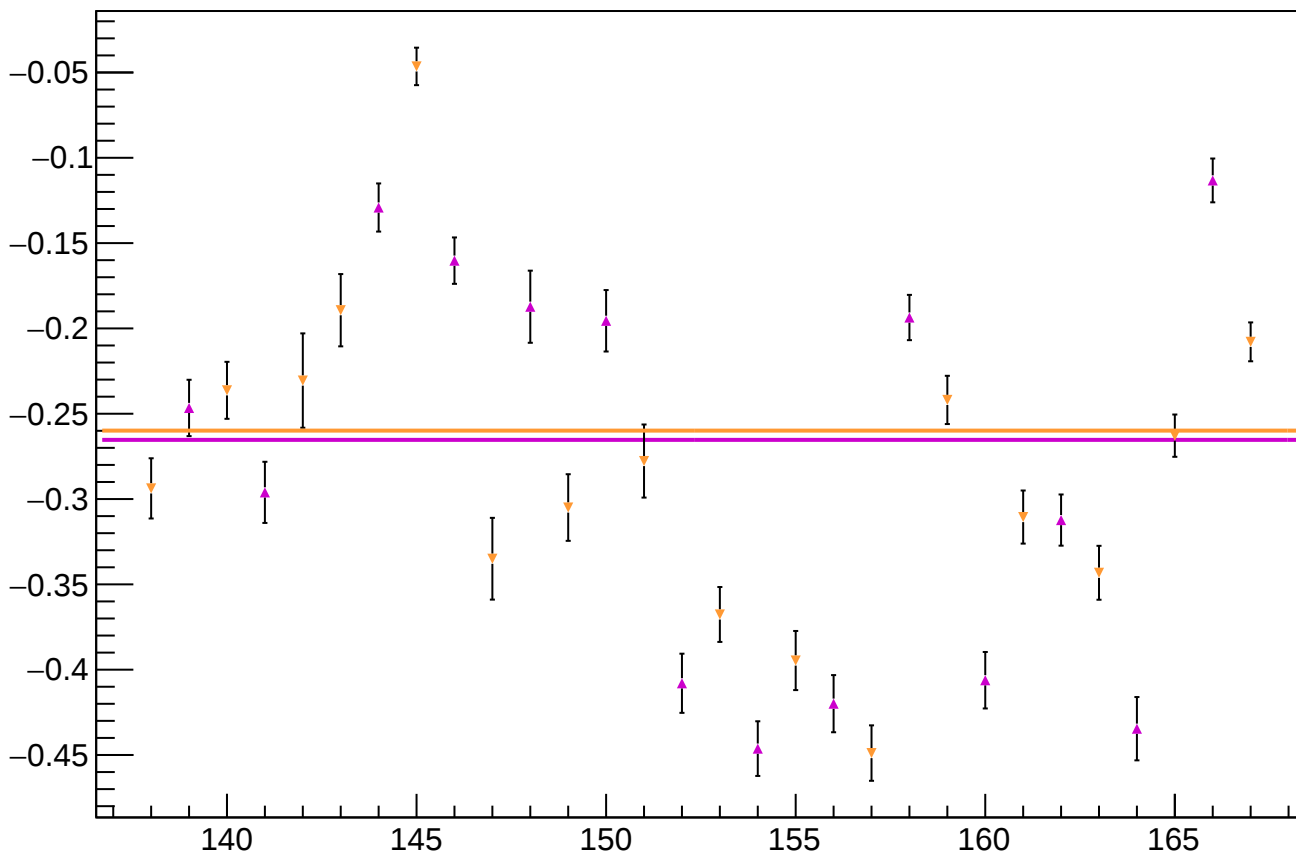
Left In: 42.362+/-0.090 χ^2/NDF : 3377.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 42.782+/-0.062 χ^2/NDF : 6646.1/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

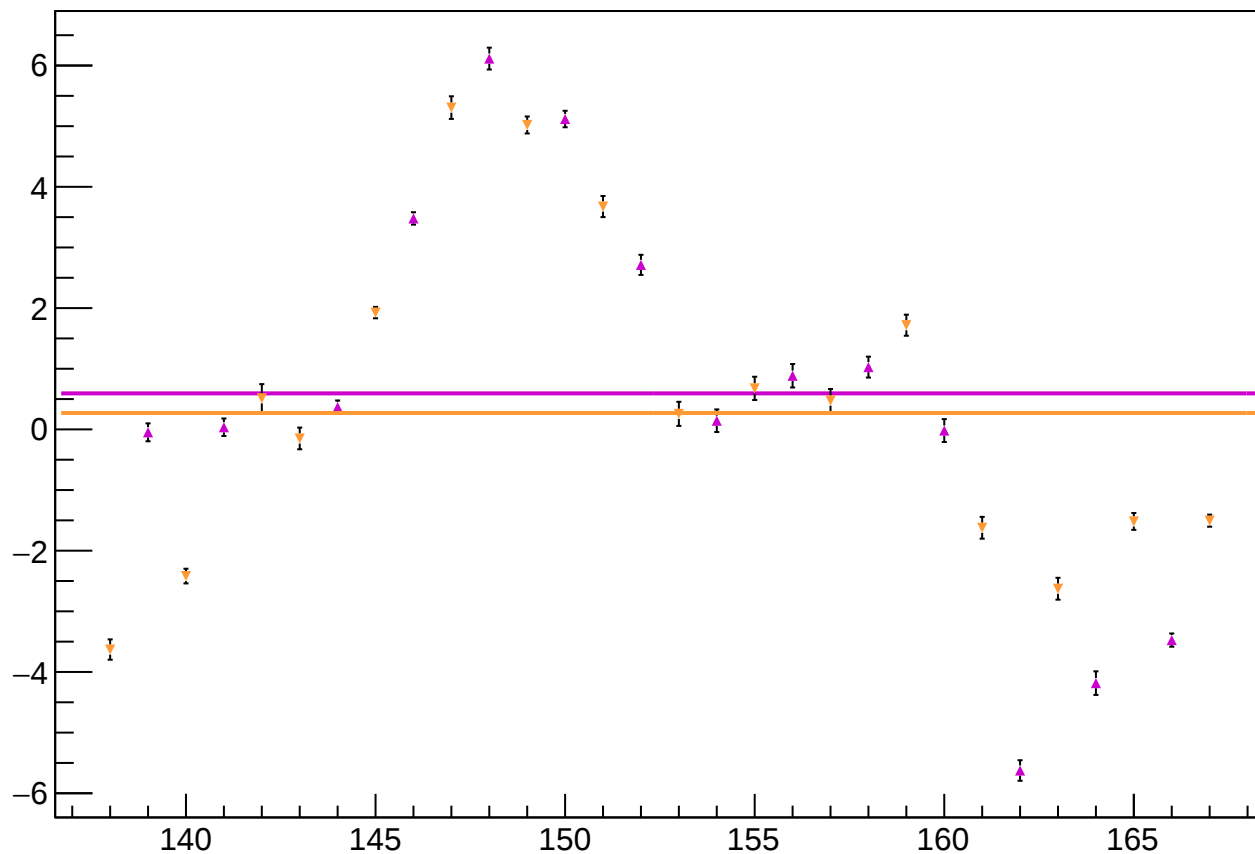
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.260 $\pm$ 0.004 χ^2 /NDF: 713.0/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.265 $\pm$ 0.004 χ^2 /NDF: 801.2/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.262 $\pm$ 0.003 χ^2 /NDF: 1515.0/29
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

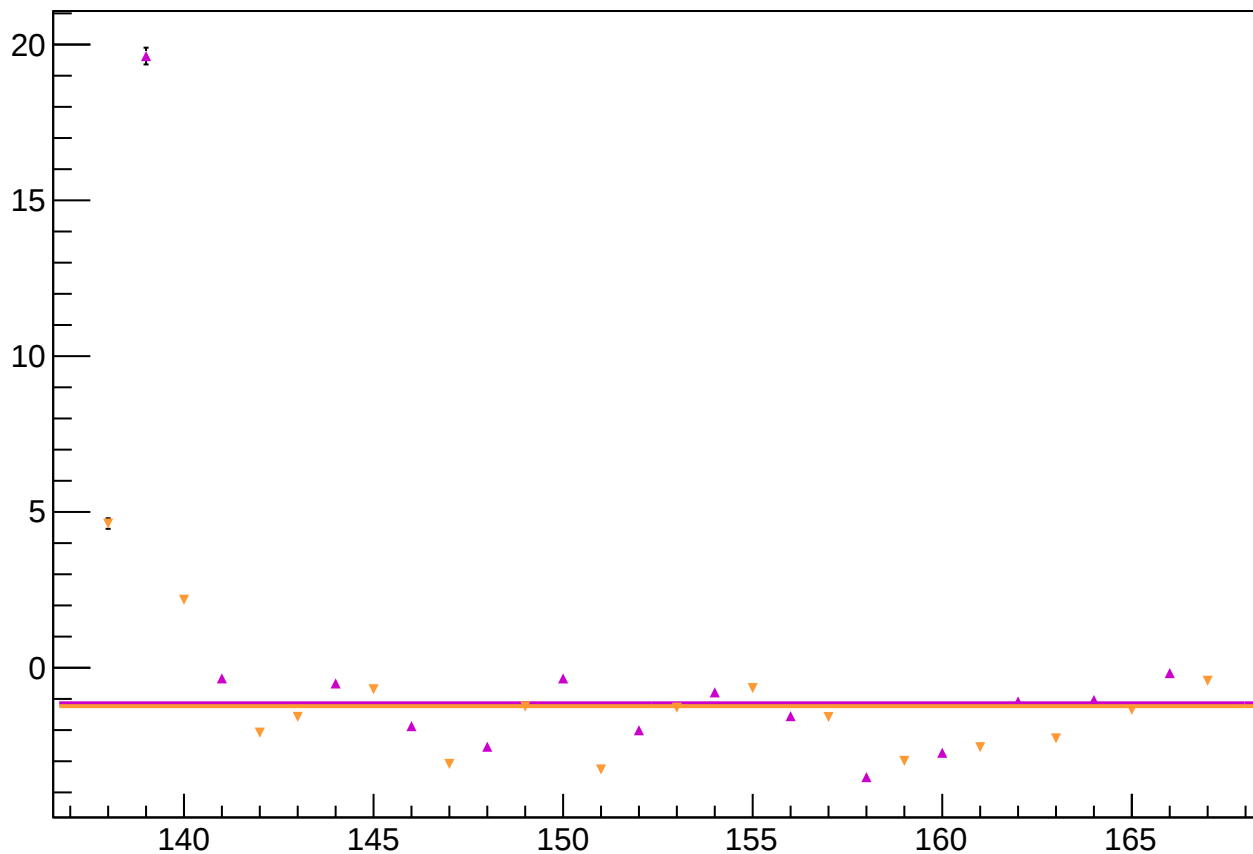
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.271+/-0.038 χ^2/NDF : 4545.4/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.594+/-0.039 χ^2/NDF : 6411.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.426+/-0.027 χ^2/NDF : 10992.4/29
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

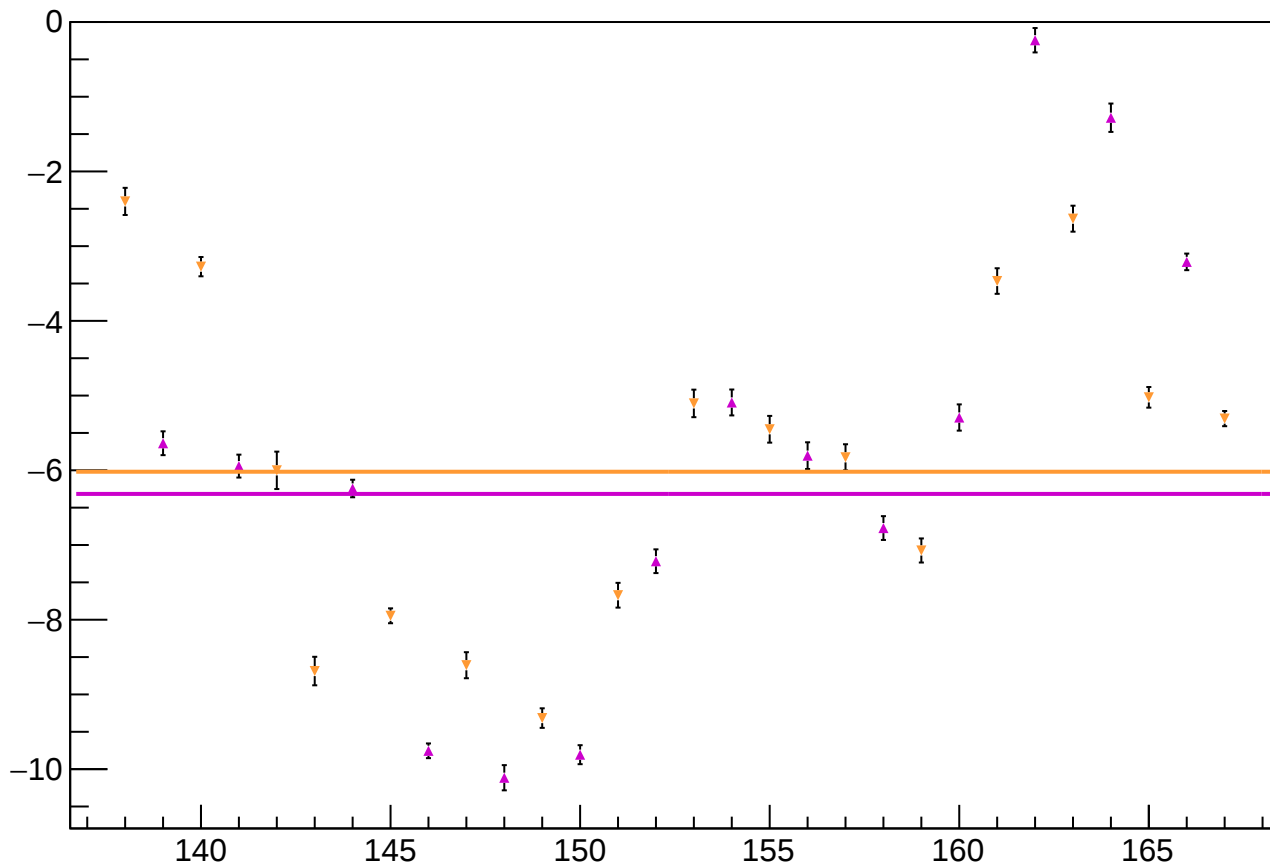
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -1.232 $\pm$ 0.028 χ^2 /NDF:3775.6/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.141 $\pm$ 0.028 χ^2 /NDF:7251.4/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -1.188 $\pm$ 0.020 χ^2 /NDF: 11032.3/29
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

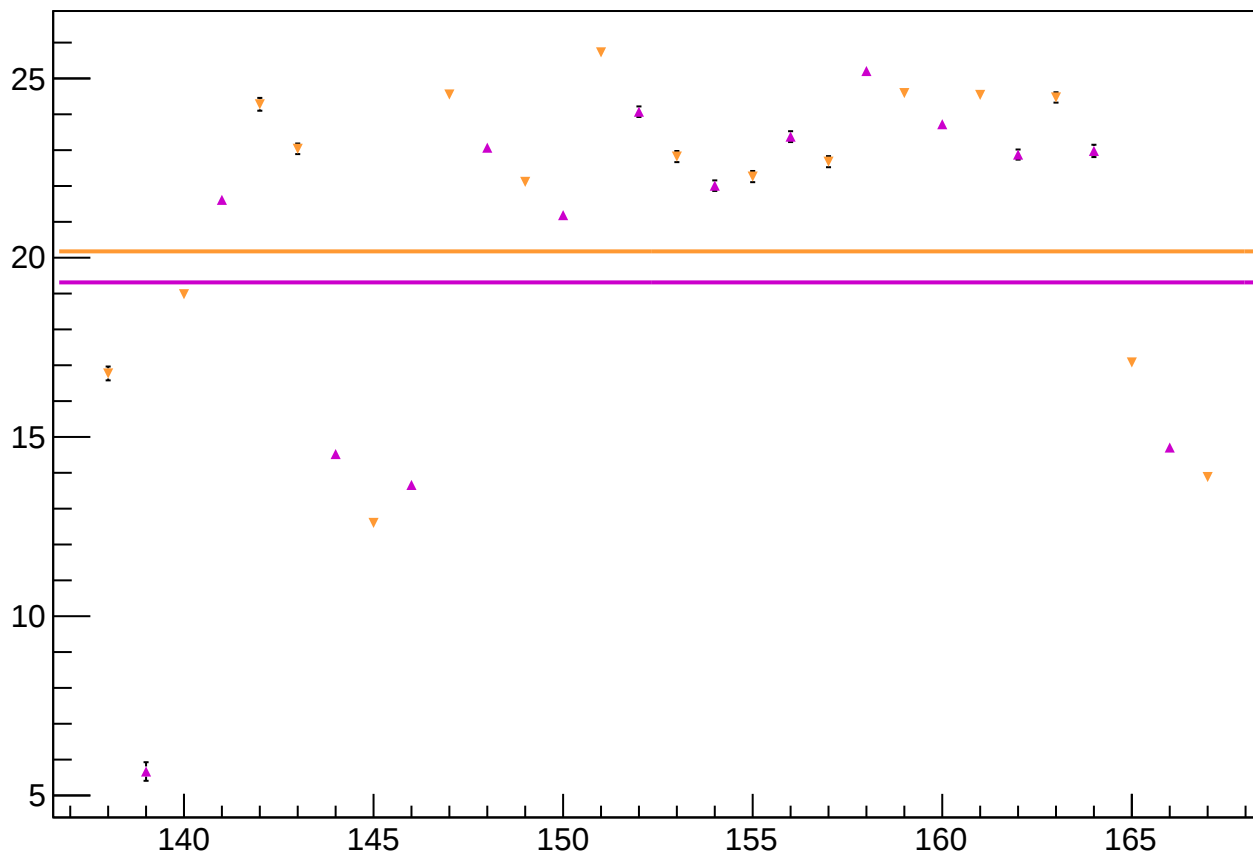
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



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: -6.316 $\pm$ 0.038 χ^2 /NDF:5506.9/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -6.164 $\pm$ 0.027 χ^2 /NDF: 8693.2/29
 - 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

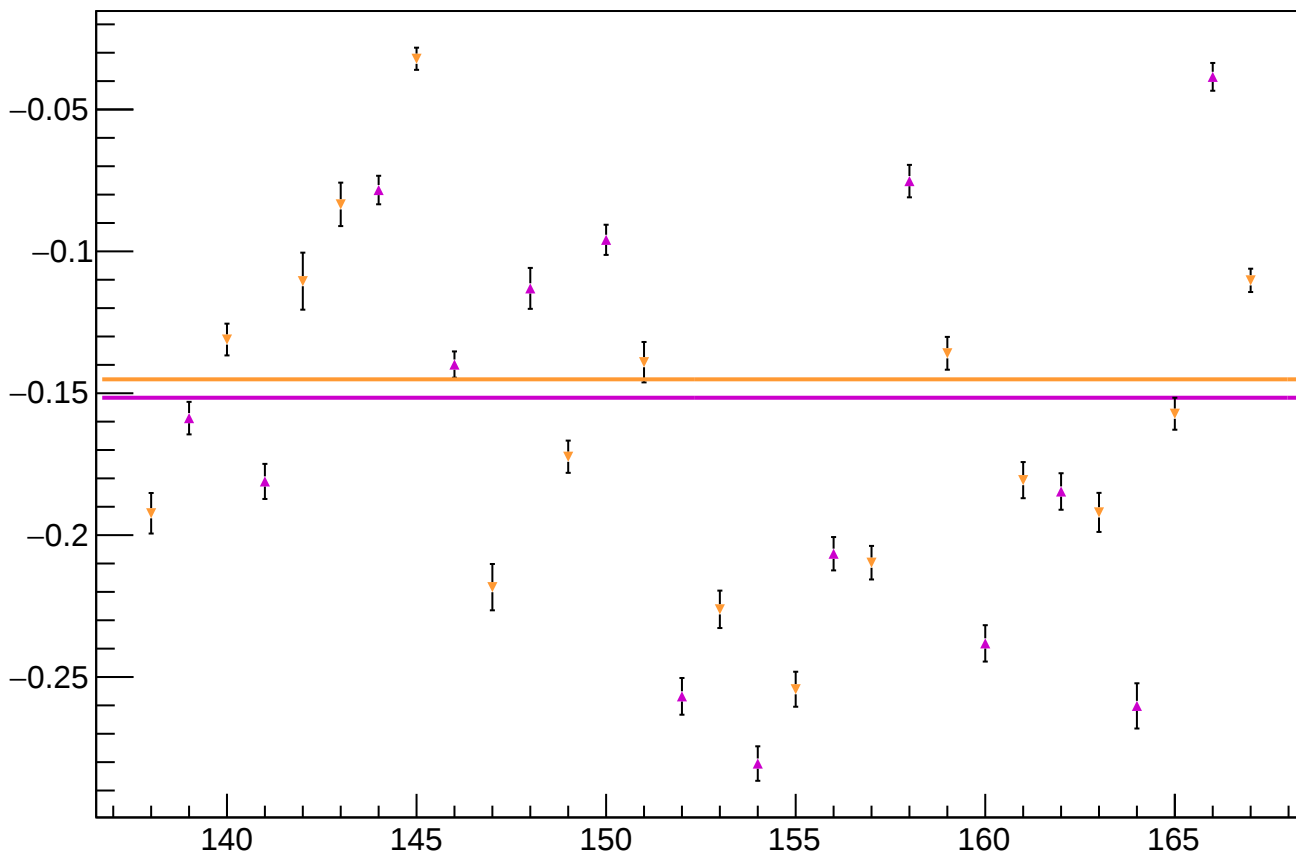
Left In: 19.311 $\pm$ 0.033 χ^2/NDF : 20077.0/13

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

All: 19.757 $\pm$ 0.023 χ^2/NDF : 41575.3/29

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

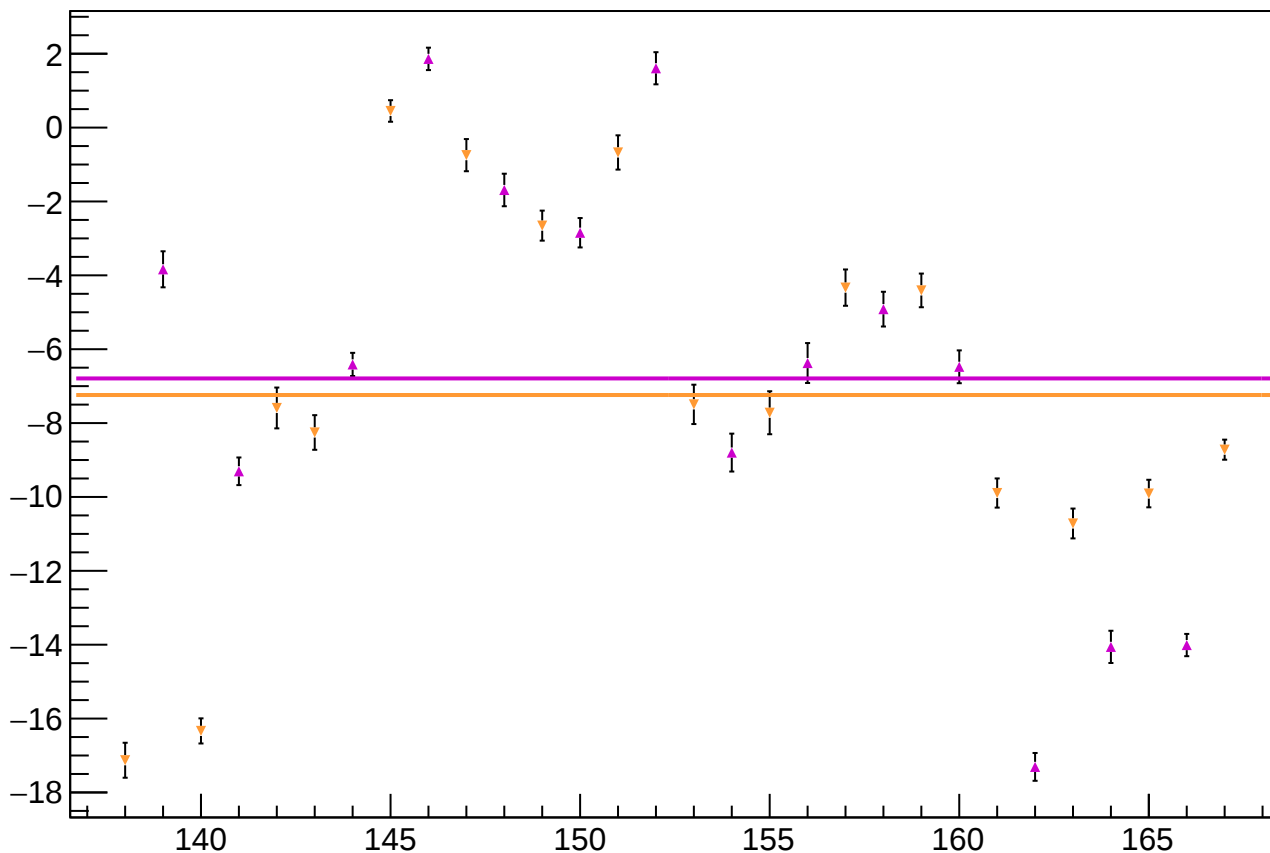
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



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: -0.152 $\pm$ 0.002 χ^2 /NDF:2287.7/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.148 $\pm$ 0.001 χ^2 /NDF: 4104.3/29
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

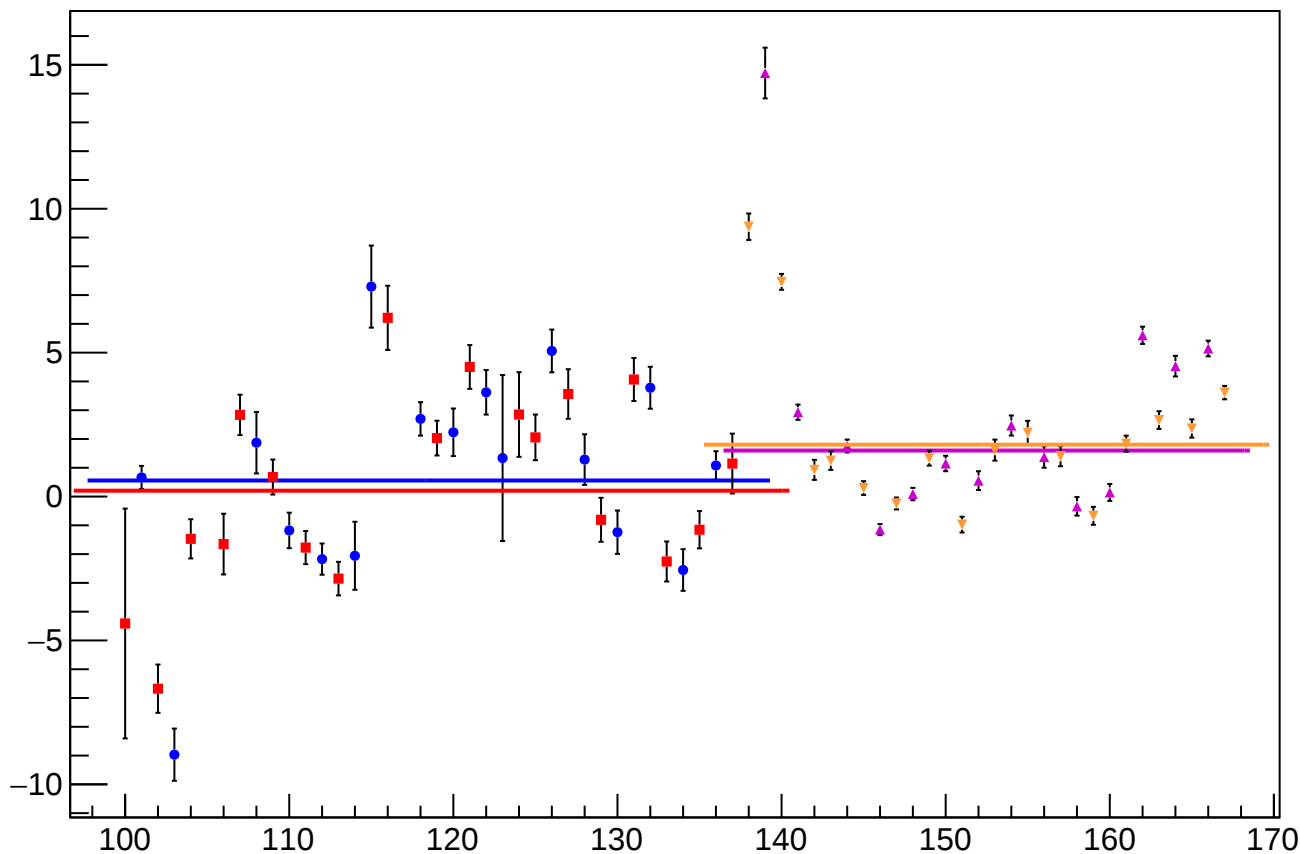
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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: -6.791+/-0.106 χ^2/NDF :3164.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -7.025+/-0.073 χ^2/NDF : 5848.4/29
 - 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

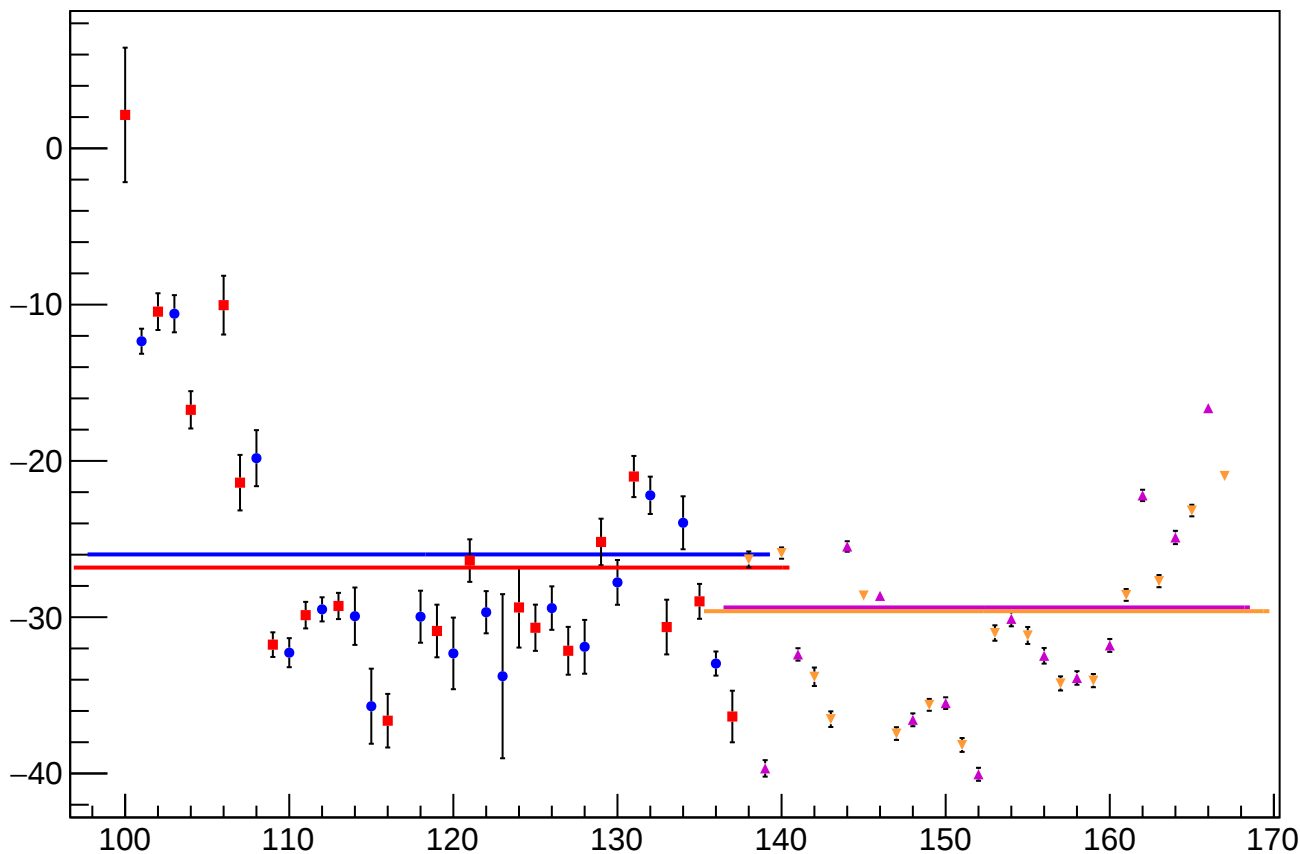
Left In: 1.599 ± 0.075 χ^2/NDF : 997.7/13

+ sign 1.610 ± 0.067 χ^2/NDF : 1413.4/32

All: 1.499 ± 0.048 χ^2/NDF : 2742.6/65

- sign 1.380 ± 0.069 χ^2/NDF : 1323.5/32

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

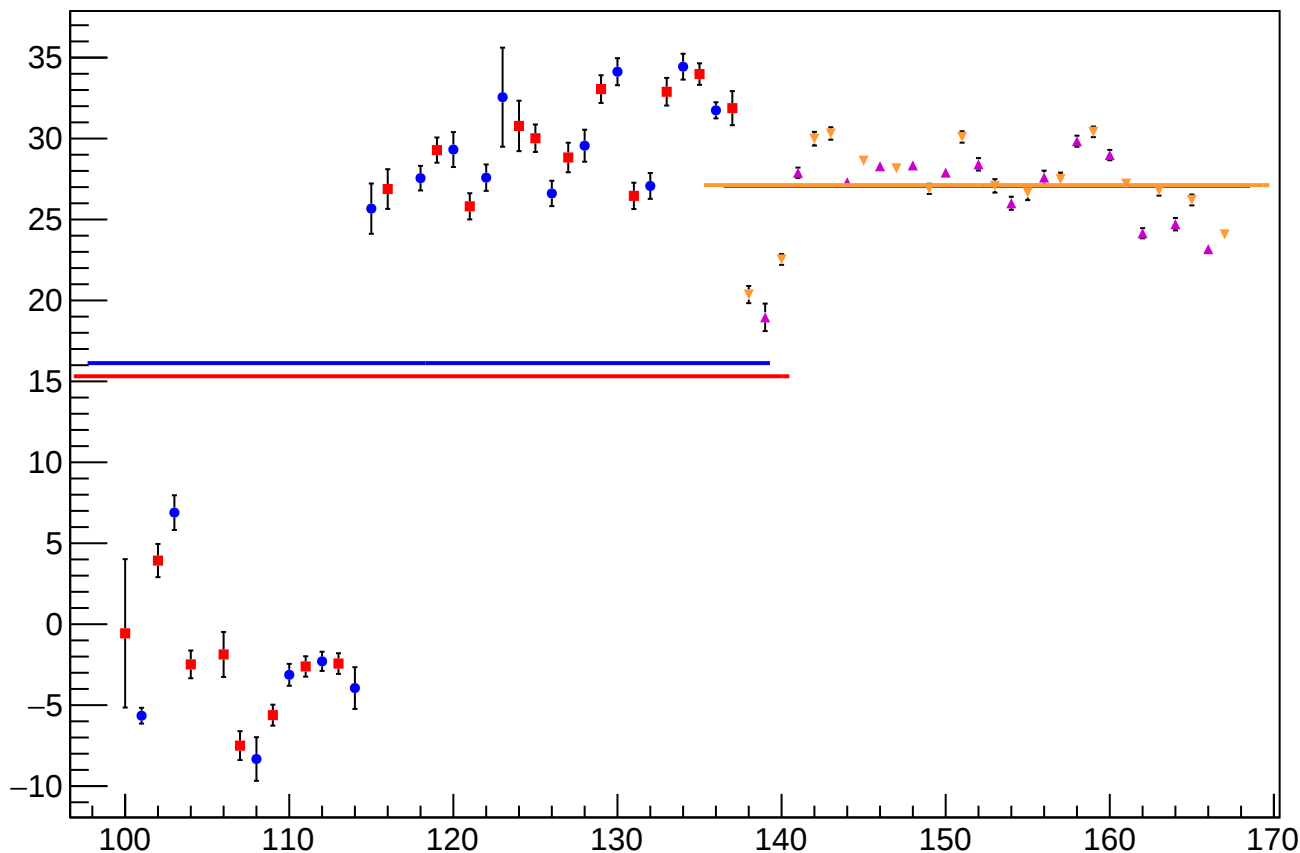
Left In: -29.377 ± 0.104 χ^2/NDF : 4218.3/13

+ sign -29.250 ± 0.096 χ^2/NDF : 3745.7/32

All: -29.177 ± 0.068 χ^2/NDF : 8612.3/65

- sign -29.100 ± 0.098 χ^2/NDF : 4865.4/32

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

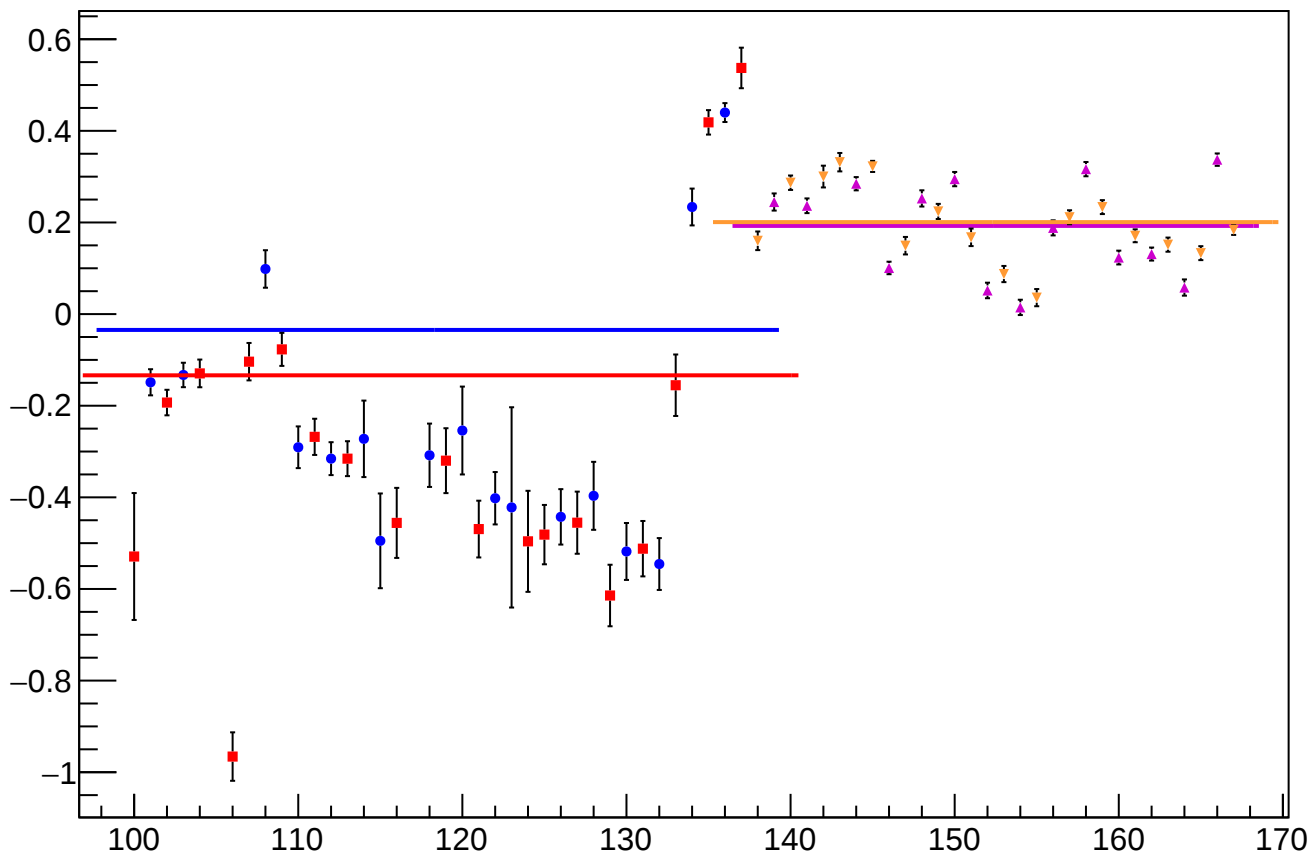
Left In: 27.073 $\pm$ 0.088 χ^2 /NDF:575.4/13

+ sign 25.335 $\pm$ 0.077 χ^2 /NDF: 11150.4/32

All: 25.234 $\pm$ 0.056 χ^2 /NDF: 21979.2/65

- sign 25.126 $\pm$ 0.080 χ^2 /NDF: 10825.3/32

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

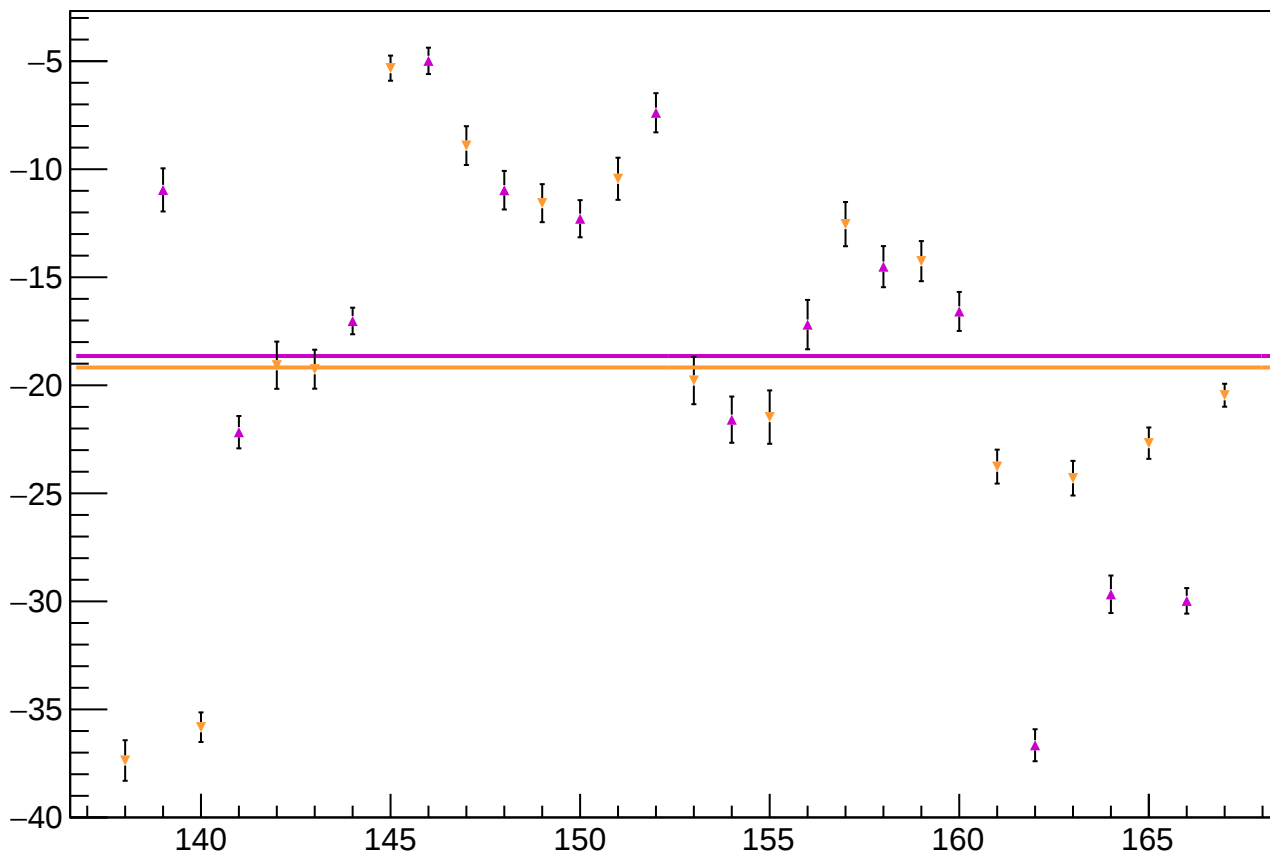
Left In: 0.192 ± 0.004 χ^2/NDF : 612.0/13

+ sign 0.170 ± 0.004 χ^2/NDF : 1829.6/32

All: 0.159 ± 0.003 χ^2/NDF : 4472.2/65

- sign 0.147 ± 0.004 χ^2/NDF : 2623.6/32

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

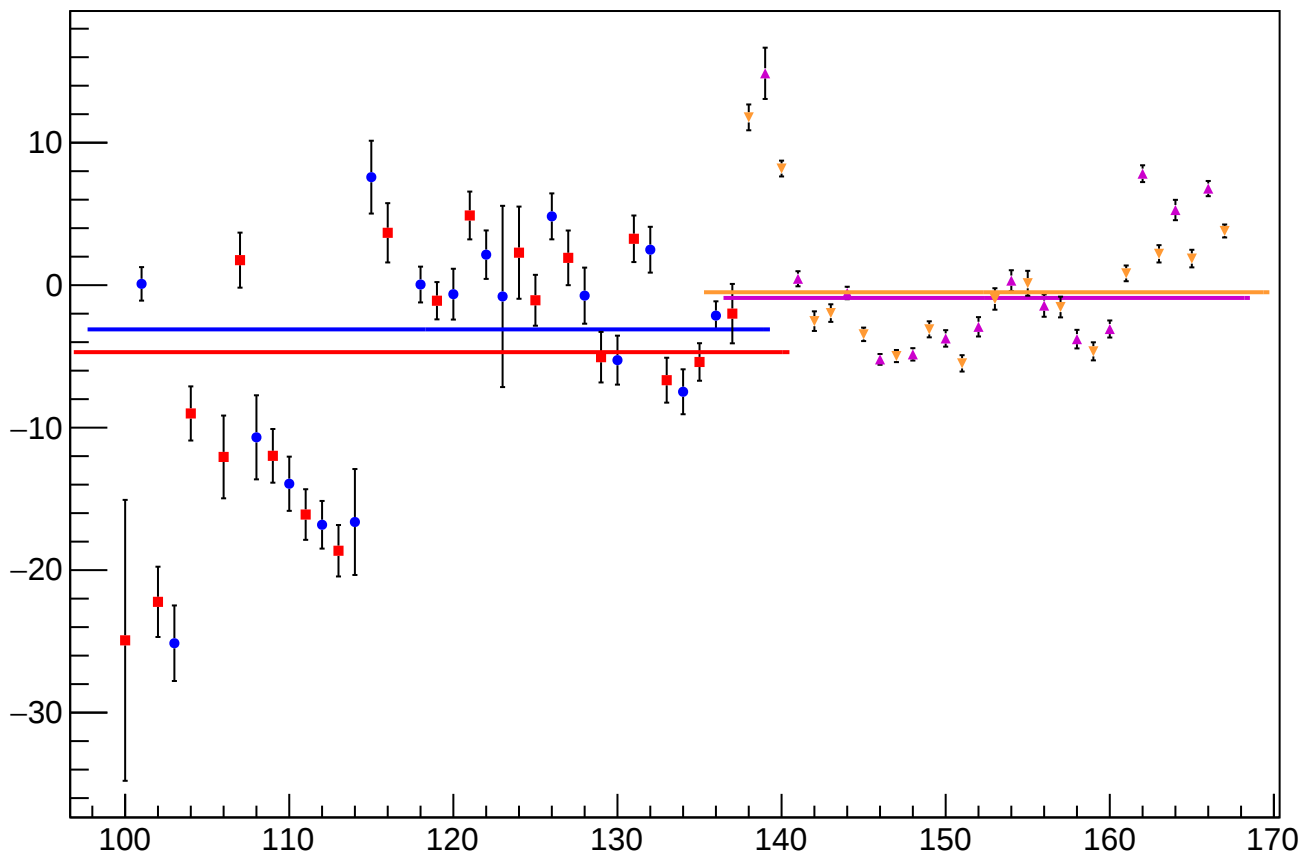
Left In: -18.645+/-0.214 χ^2/NDF :2025.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -18.923+/-0.147 χ^2/NDF : 4025.3/29

- 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

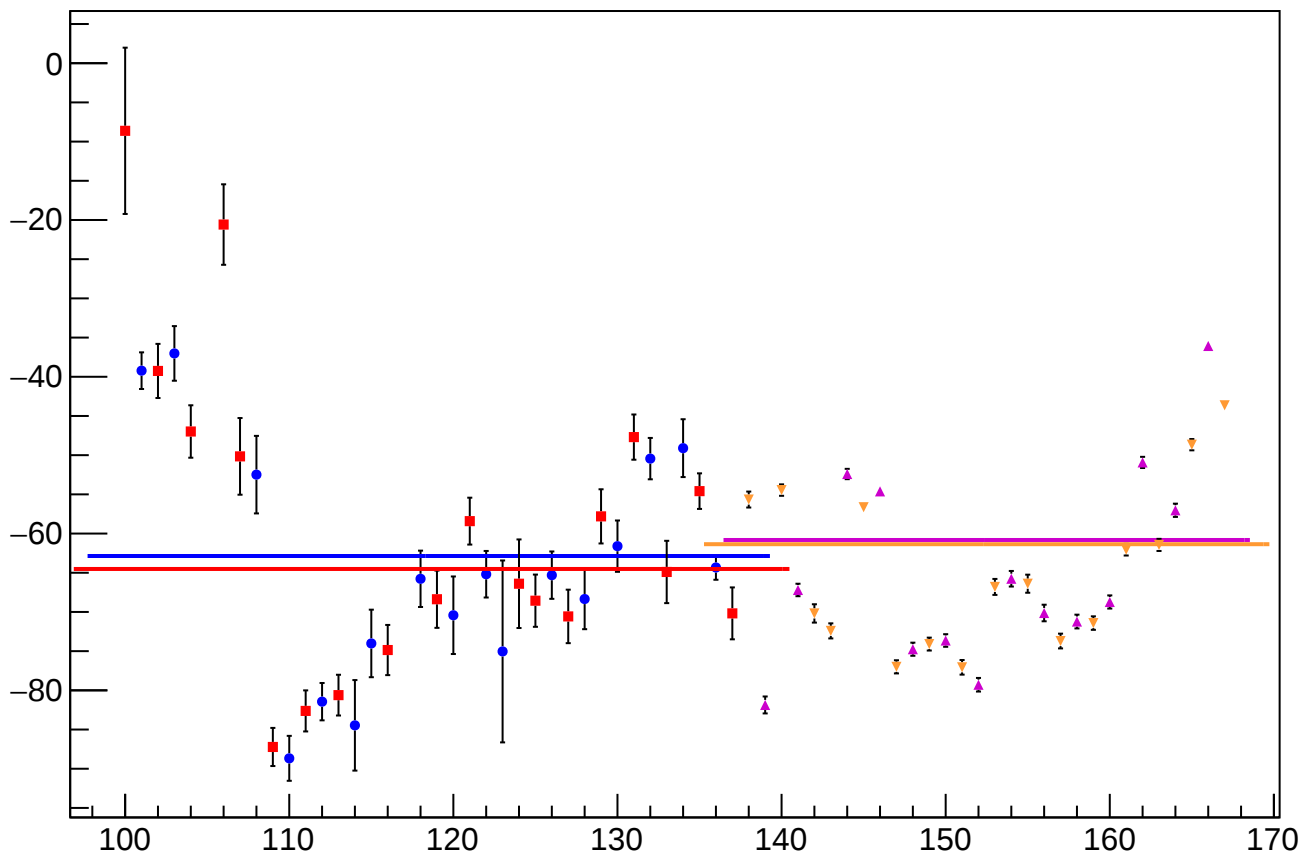
Left In: -0.896 ± 0.152 χ^2/NDF : 866.0/13

+ sign -0.793 ± 0.138 χ^2/NDF : 1178.5/32

All: -1.050 ± 0.099 χ^2/NDF : 2419.9/65

- sign -1.323 ± 0.143 χ^2/NDF : 1234.3/32

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

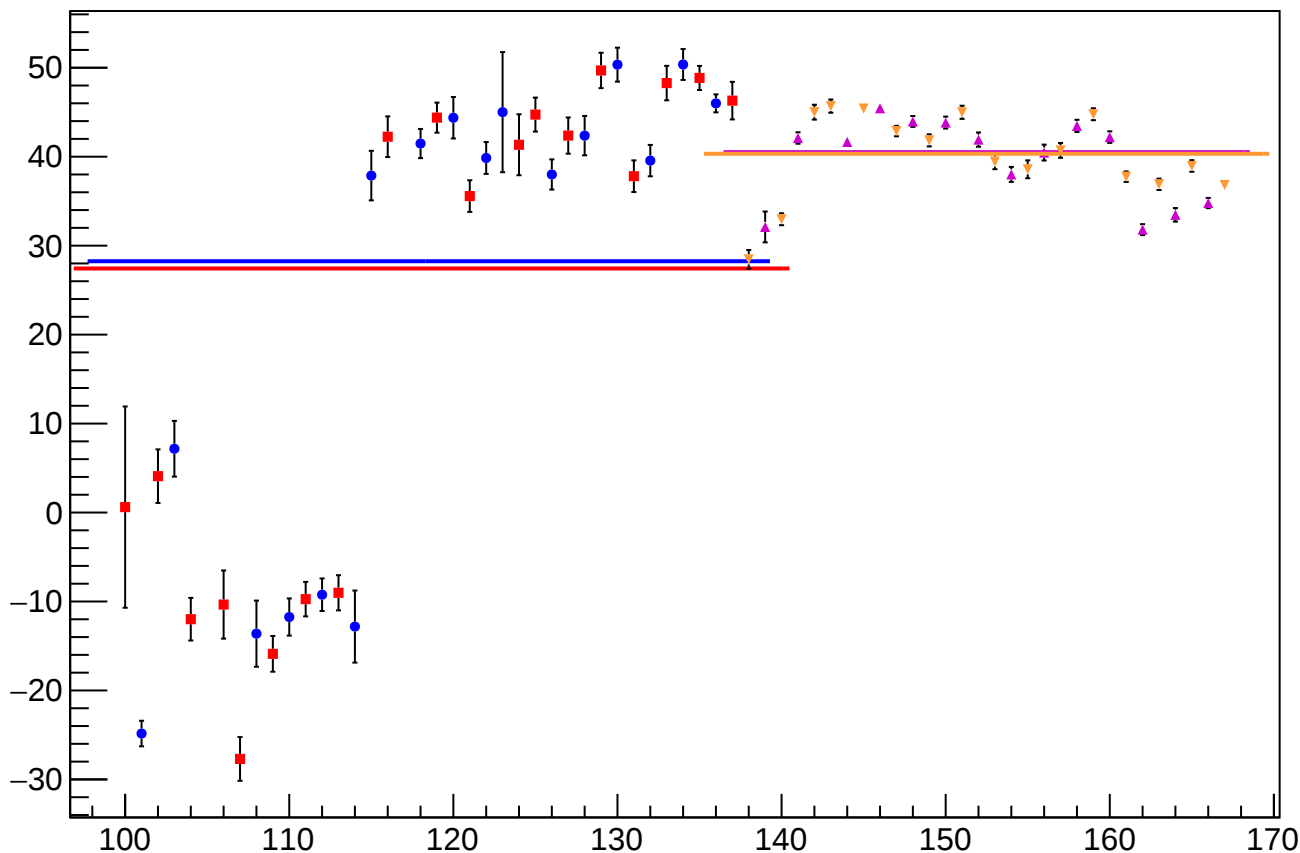
Left In: -60.819 ± 0.210 χ^2/NDF : 3934.2/13

+ sign -61.462 ± 0.196 χ^2/NDF : 3343.3/32

All: -61.281 ± 0.141 χ^2/NDF : 7746.0/65

- sign -61.087 ± 0.202 χ^2/NDF : 4400.9/32

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

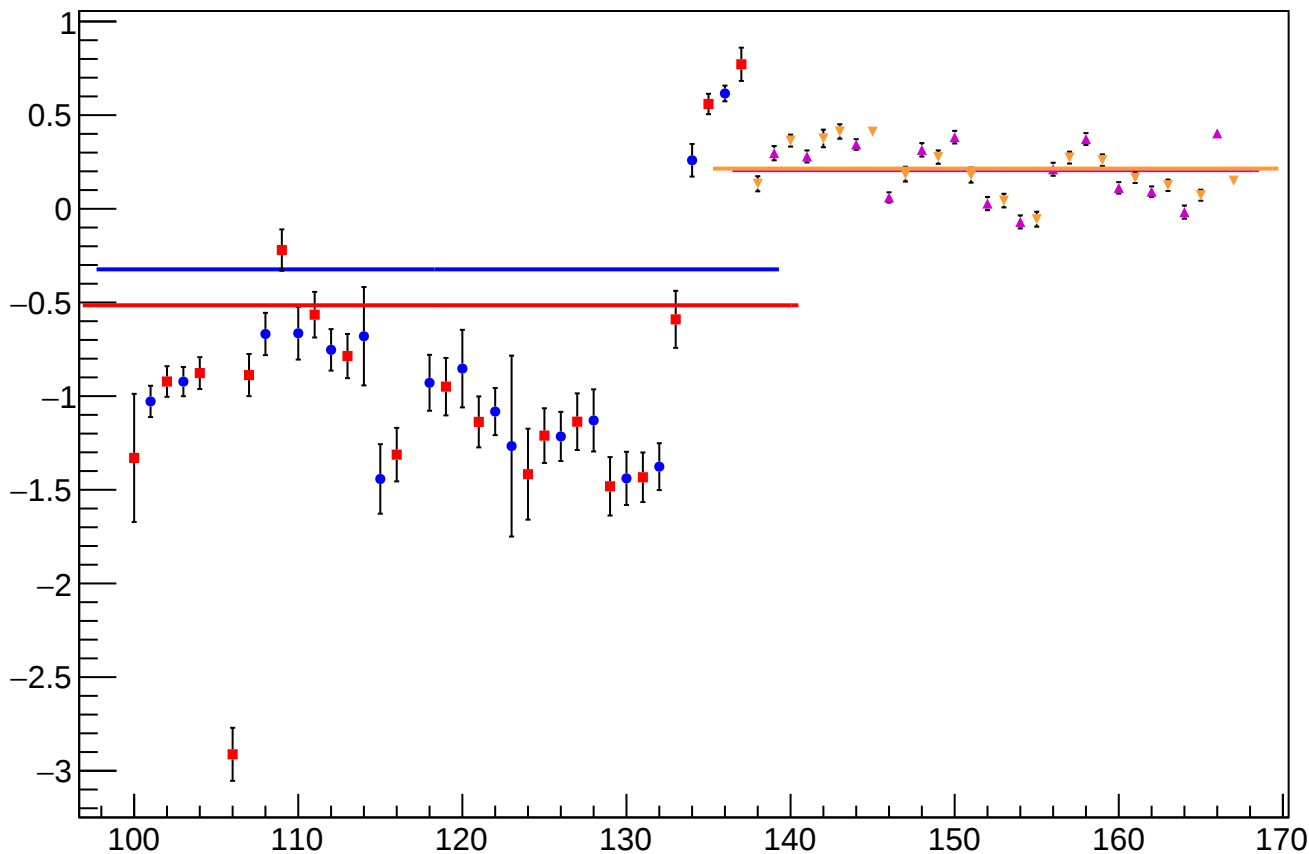
Left In: 40.512 $\pm$ 0.177 χ^2 /NDF: 621.2/13

+ sign 38.867 $\pm$ 0.160 χ^2 /NDF: 4557.6/32

All: 38.902 $\pm$ 0.115 χ^2 /NDF: 8867.7/65

- sign 38.939 $\pm$ 0.166 χ^2 /NDF: 4309.9/32

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

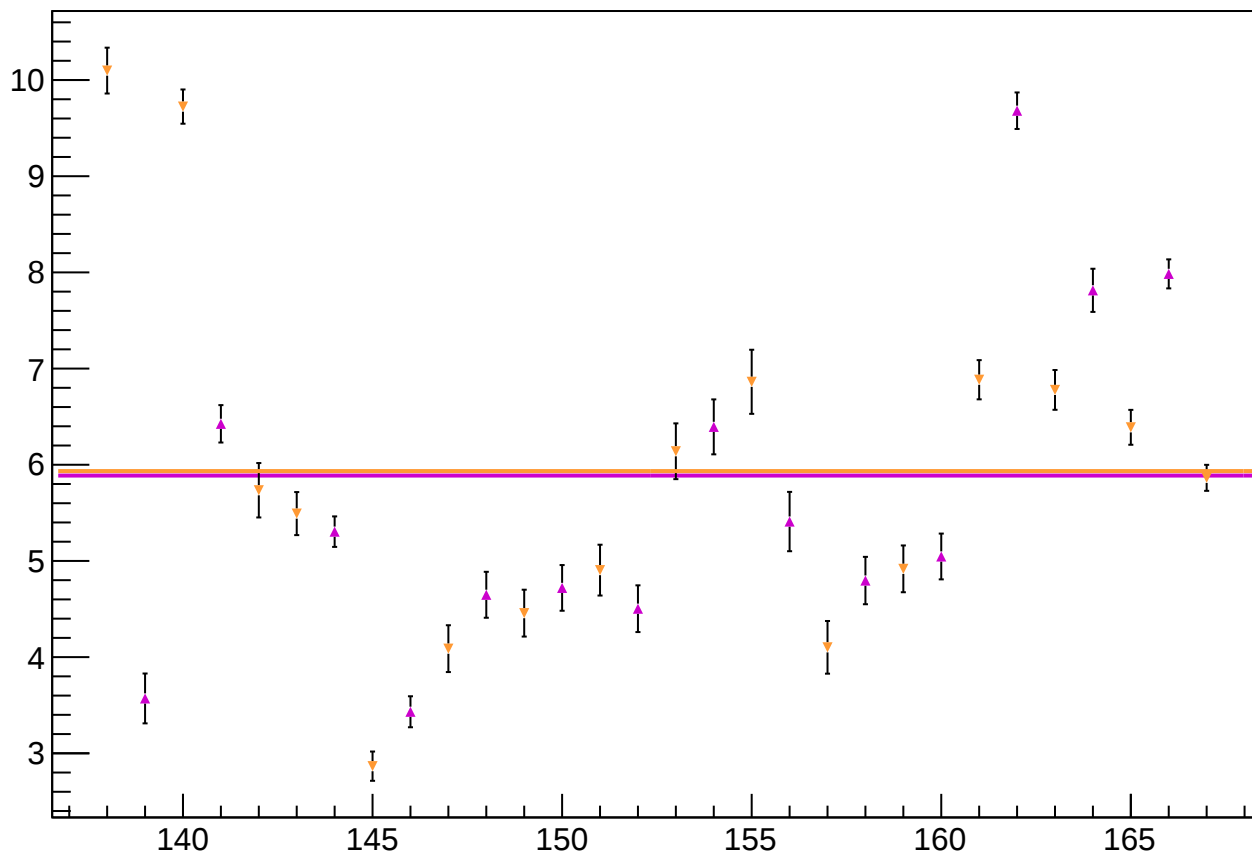
Left In: 0.206 ± 0.008 χ^2/NDF : 335.9/13

+ sign 0.164 ± 0.008 χ^2/NDF : 1682.8/32

All: 0.151 ± 0.006 χ^2/NDF : 3893.7/65

- sign 0.136 ± 0.008 χ^2/NDF : 2204.4/32

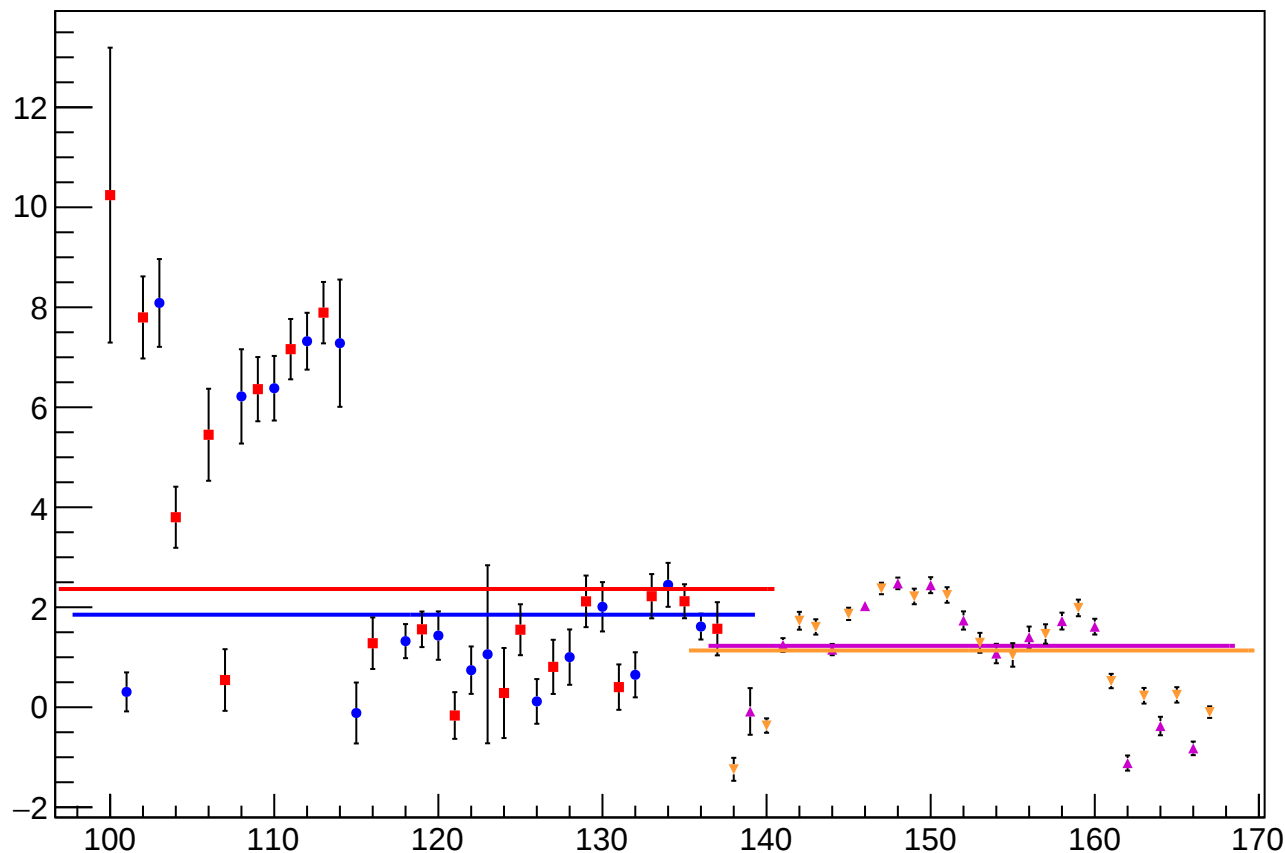
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.934 $\pm$ 0.053 χ^2 /NDF:1394.3/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.888 $\pm$ 0.056 χ^2 /NDF:1120.6/13

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 5.912 $\pm$ 0.038 χ^2 /NDF: 2515.2/29
 - sign 0.000 $\pm$ 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

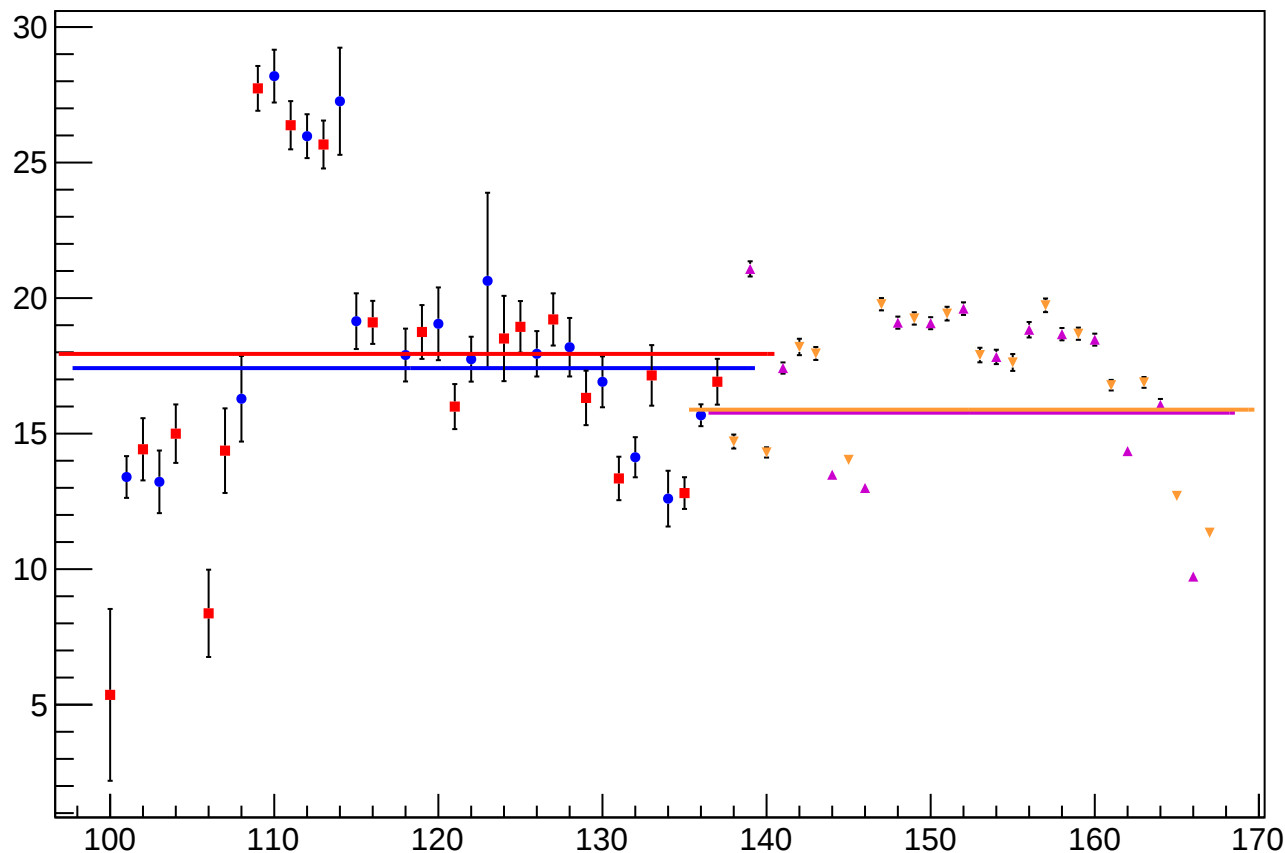
Left In: 1.228 ± 0.040 χ^2/NDF : 813.5/13

+ sign 1.205 ± 0.037 χ^2/NDF : 1042.2/32

All: 1.268 ± 0.026 χ^2/NDF : 2276.1/65

- sign 1.336 ± 0.038 χ^2/NDF : 1227.6/32

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

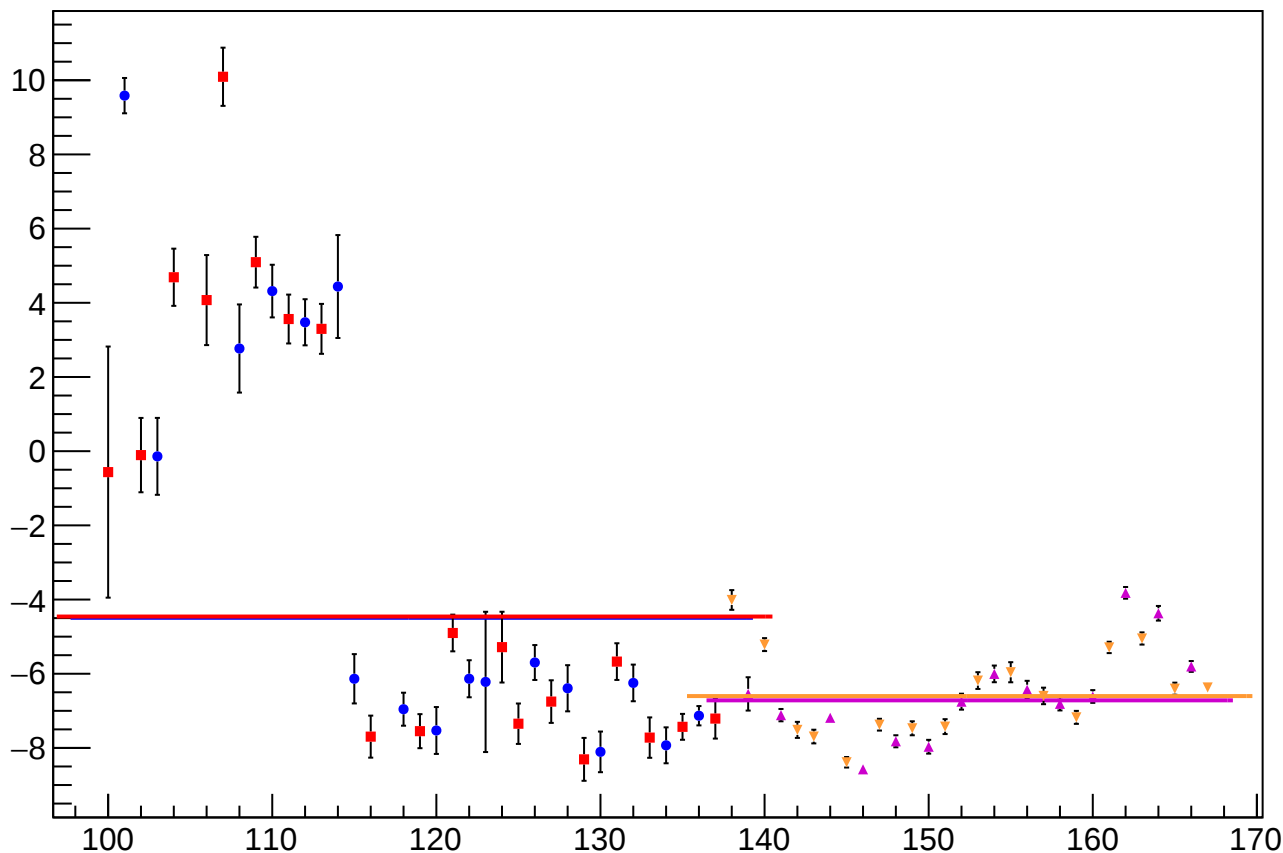
Left In: 15.773 $\pm$ 0.055 χ^2 /NDF: 3733.3/13

+ sign 15.973 $\pm$ 0.051 χ^2 /NDF: 3388.7/32

All: 15.938 $\pm$ 0.037 χ^2 /NDF: 7720.6/65

- sign 15.901 $\pm$ 0.053 χ^2 /NDF: 4331.0/32

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

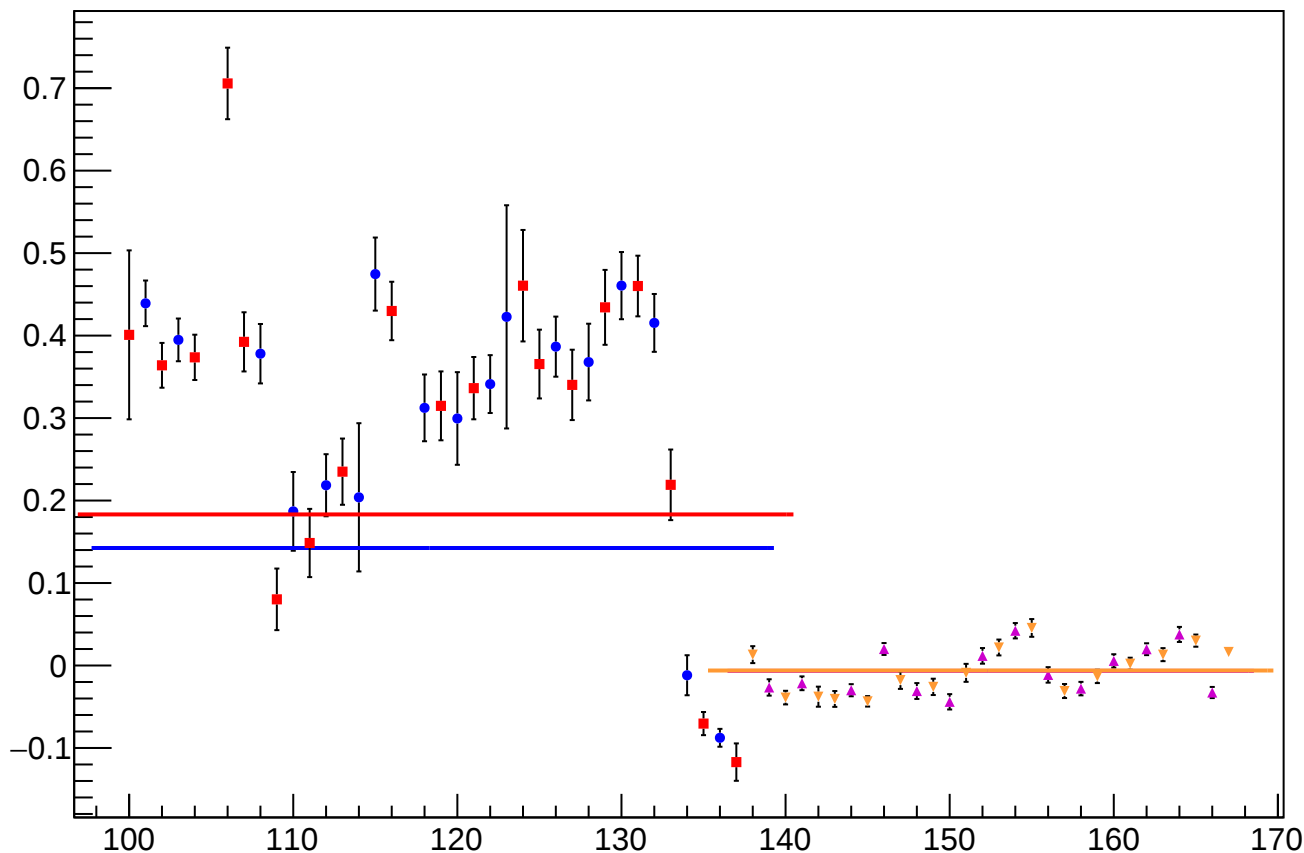
Left In: -6.717 ± 0.046 χ^2/NDF : 864.2/13

+ sign -6.382 ± 0.042 χ^2/NDF : 2437.2/32

All: -6.431 ± 0.030 χ^2/NDF : 4887.2/65

- sign -6.485 ± 0.044 χ^2/NDF : 2447.1/32

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 $\chi^2/\text{NDF}: 1058.8/16$

Left Out: -0.006 ± 0.002 $\chi^2/\text{NDF}: 167.2/15$

Right Out: 0.183 ± 0.007 $\chi^2/\text{NDF}: 1000.9/18$

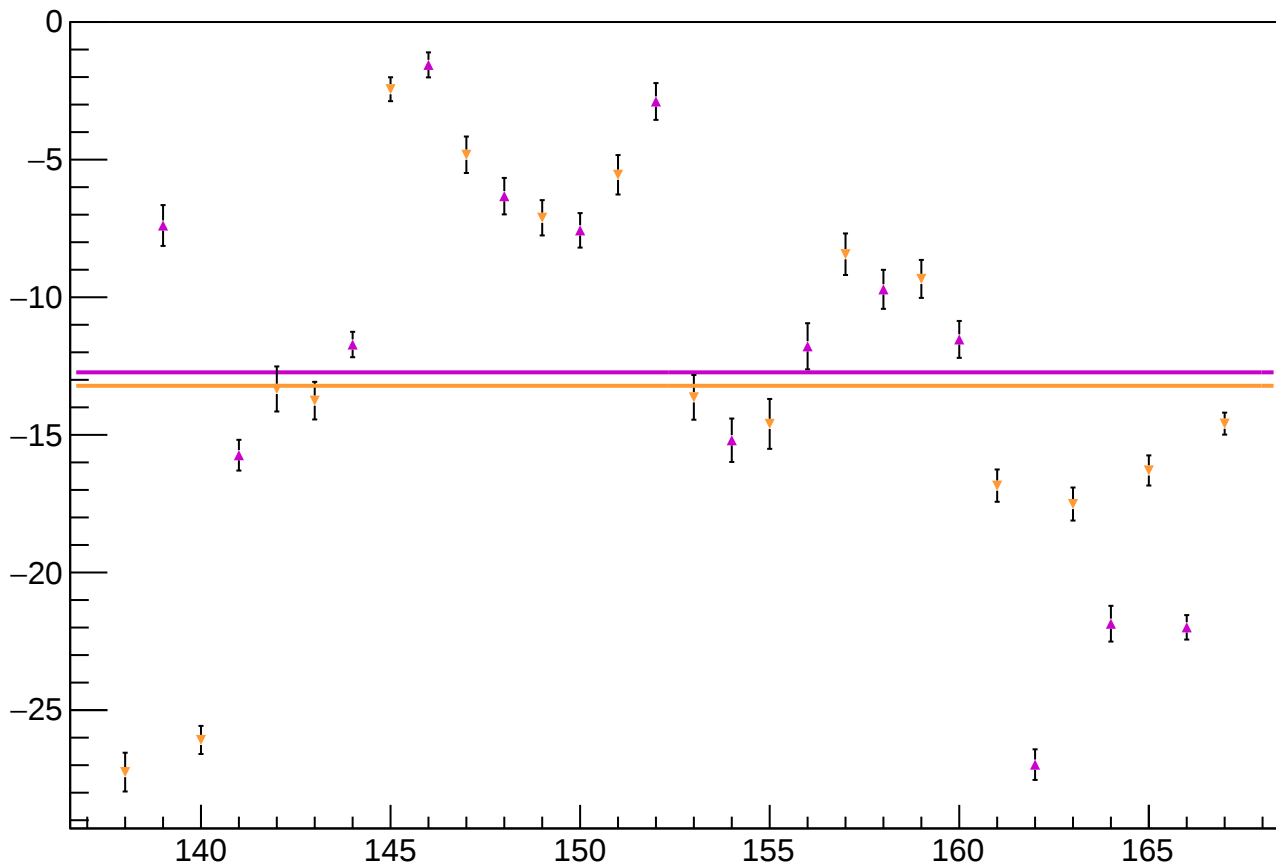
Left In: -0.007 ± 0.002 $\chi^2/\text{NDF}: 146.0/13$

+ sign 0.006 ± 0.002 $\chi^2/\text{NDF}: 1631.8/32$

All: 0.007 ± 0.001 $\chi^2/\text{NDF}: 3381.5/65$

- sign 0.009 ± 0.002 $\chi^2/\text{NDF}: 1748.4/32$

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

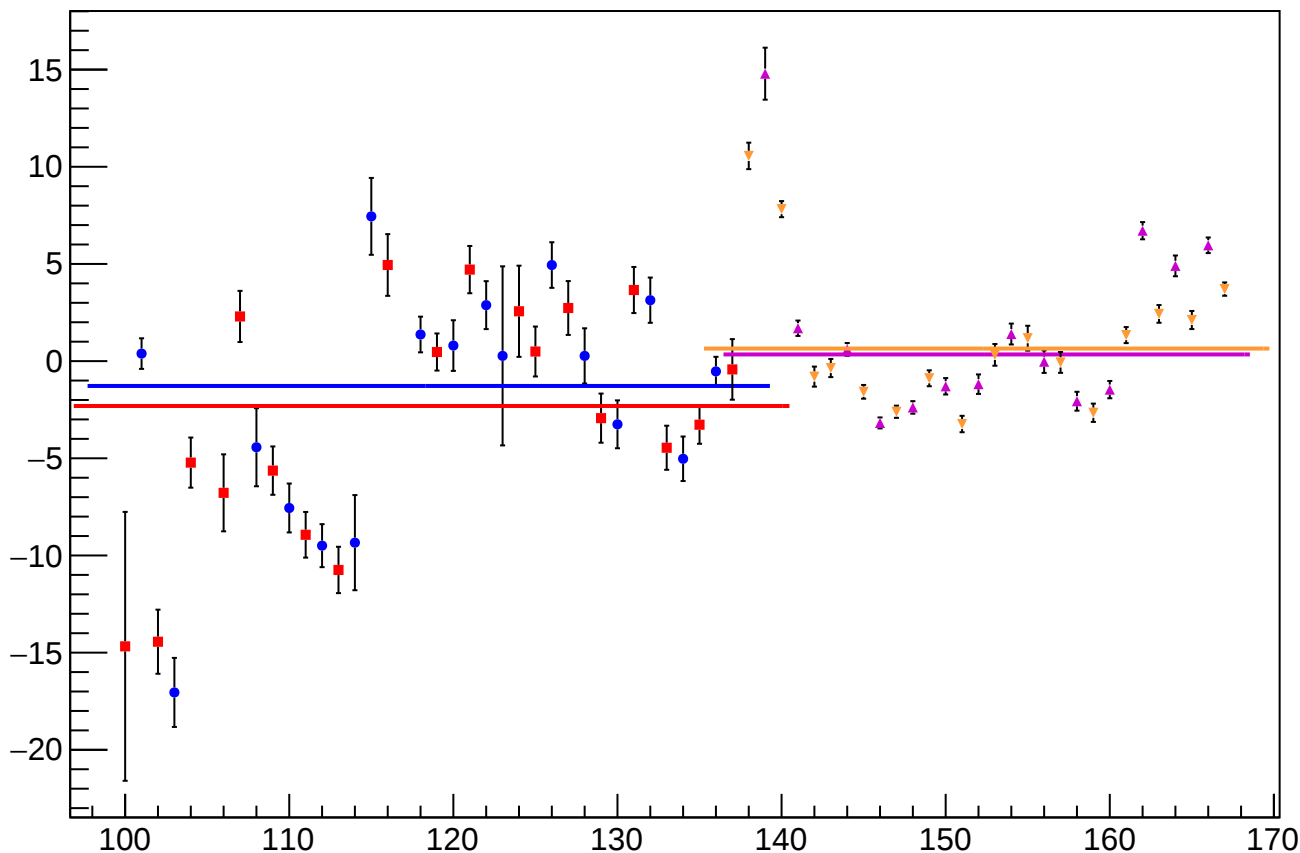
Left In: -12.728+/-0.159 χ^2/NDF : 2389.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.983+/-0.110 χ^2/NDF : 4615.7/29

- 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

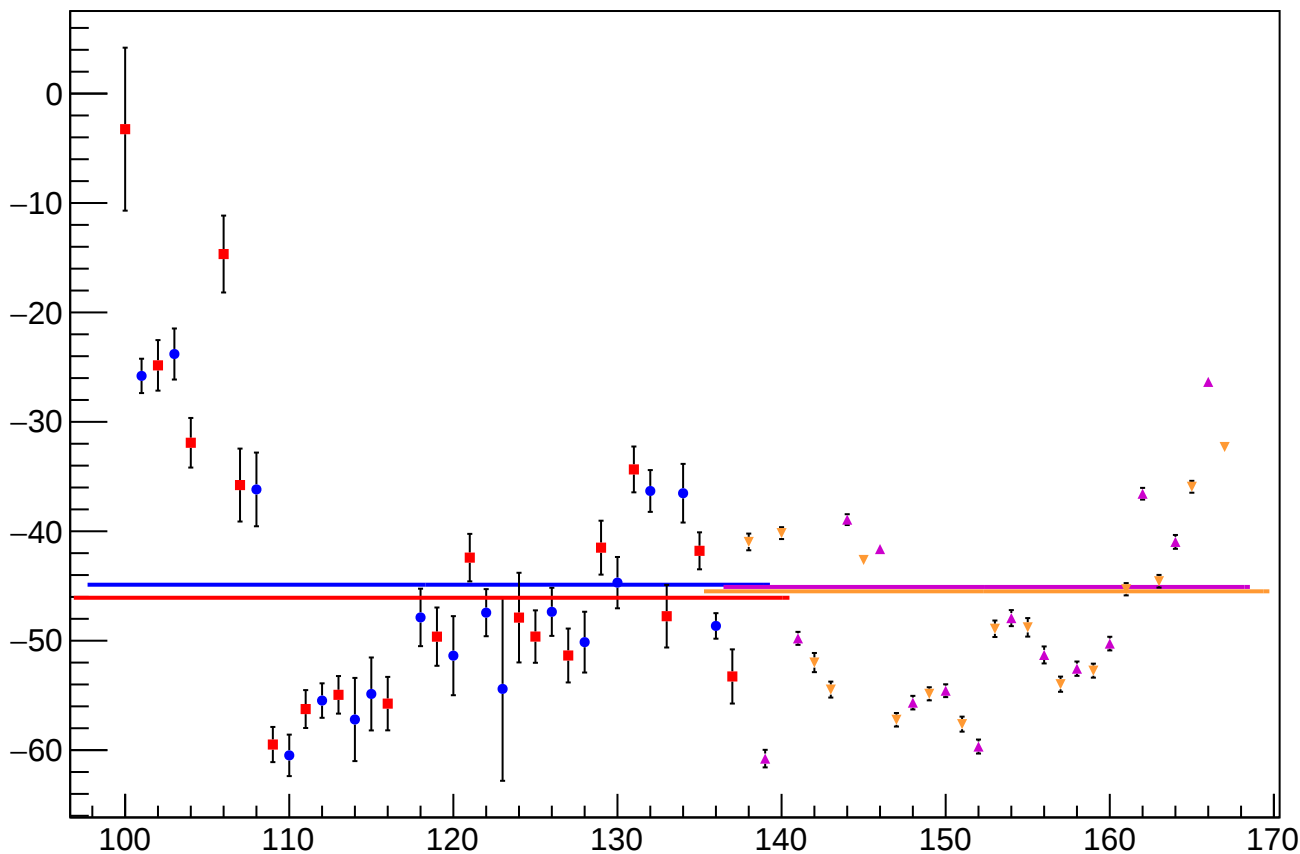
Left In: 0.344 ± 0.113 χ^2/NDF : 900.3/13

+ sign 0.409 ± 0.103 χ^2/NDF : 1243.6/32

All: 0.220 ± 0.074 χ^2/NDF : 2503.8/65

- sign 0.019 ± 0.106 χ^2/NDF : 1253.1/32

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

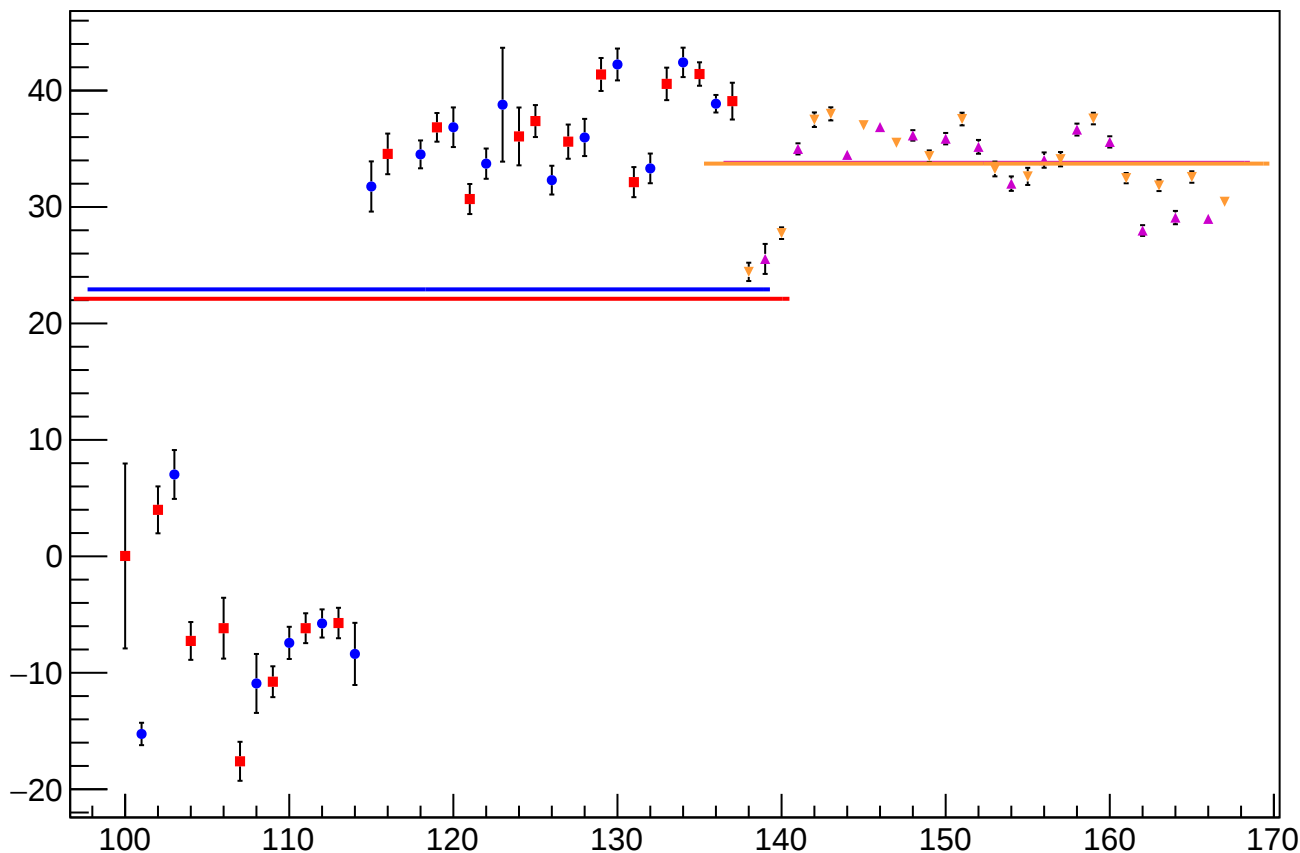
Left In: -45.087 ± 0.156 χ^2/NDF : 4020.6/13

+ sign -45.441 ± 0.145 χ^2/NDF : 3381.9/32

All: -45.308 ± 0.104 χ^2/NDF : 7861.7/65

- sign -45.166 ± 0.150 χ^2/NDF : 4478.1/32

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

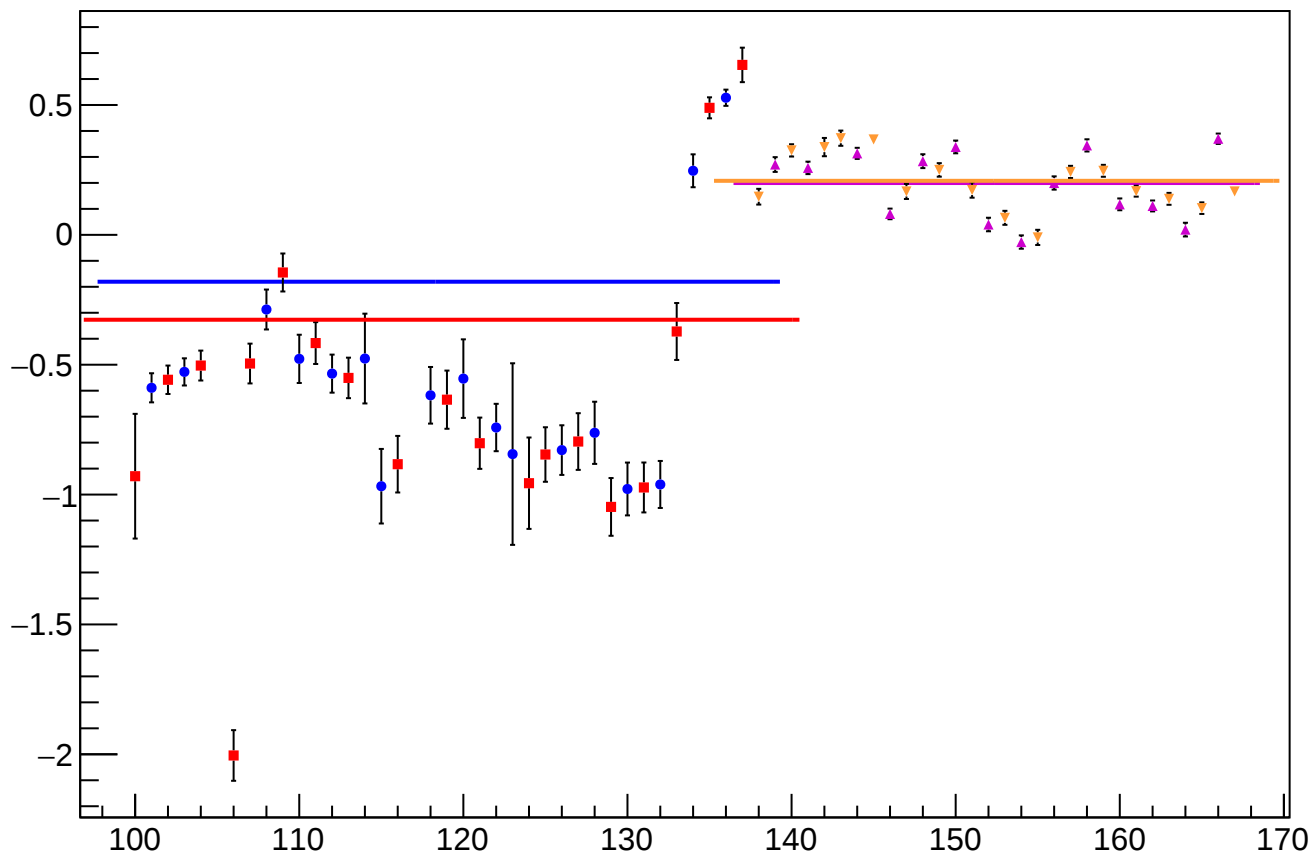
Left In: 33.793 $\pm$ 0.132 χ^2 /NDF: 580.2/13

+ sign 32.316 $\pm$ 0.119 χ^2 /NDF: 5950.7/32

All: 32.292 $\pm$ 0.085 χ^2 /NDF: 11589.8/65

- sign 32.266 $\pm$ 0.123 χ^2 /NDF: 5639.0/32

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

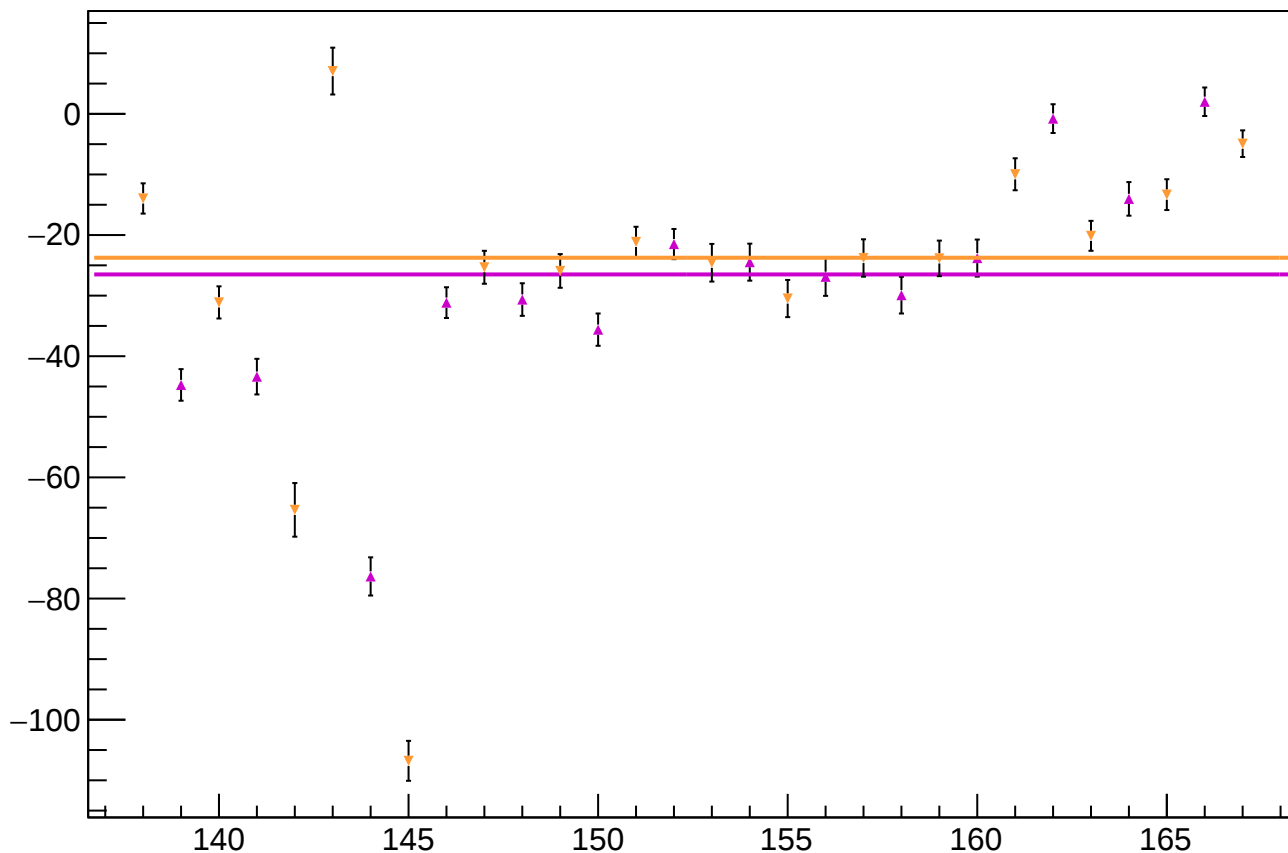
Left In: 0.200 ± 0.006 χ^2/NDF : 420.2/13

+ sign 0.168 ± 0.006 χ^2/NDF : 1711.7/32

All: 0.156 ± 0.004 χ^2/NDF : 4063.6/65

- sign 0.143 ± 0.006 χ^2/NDF : 2342.5/32

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

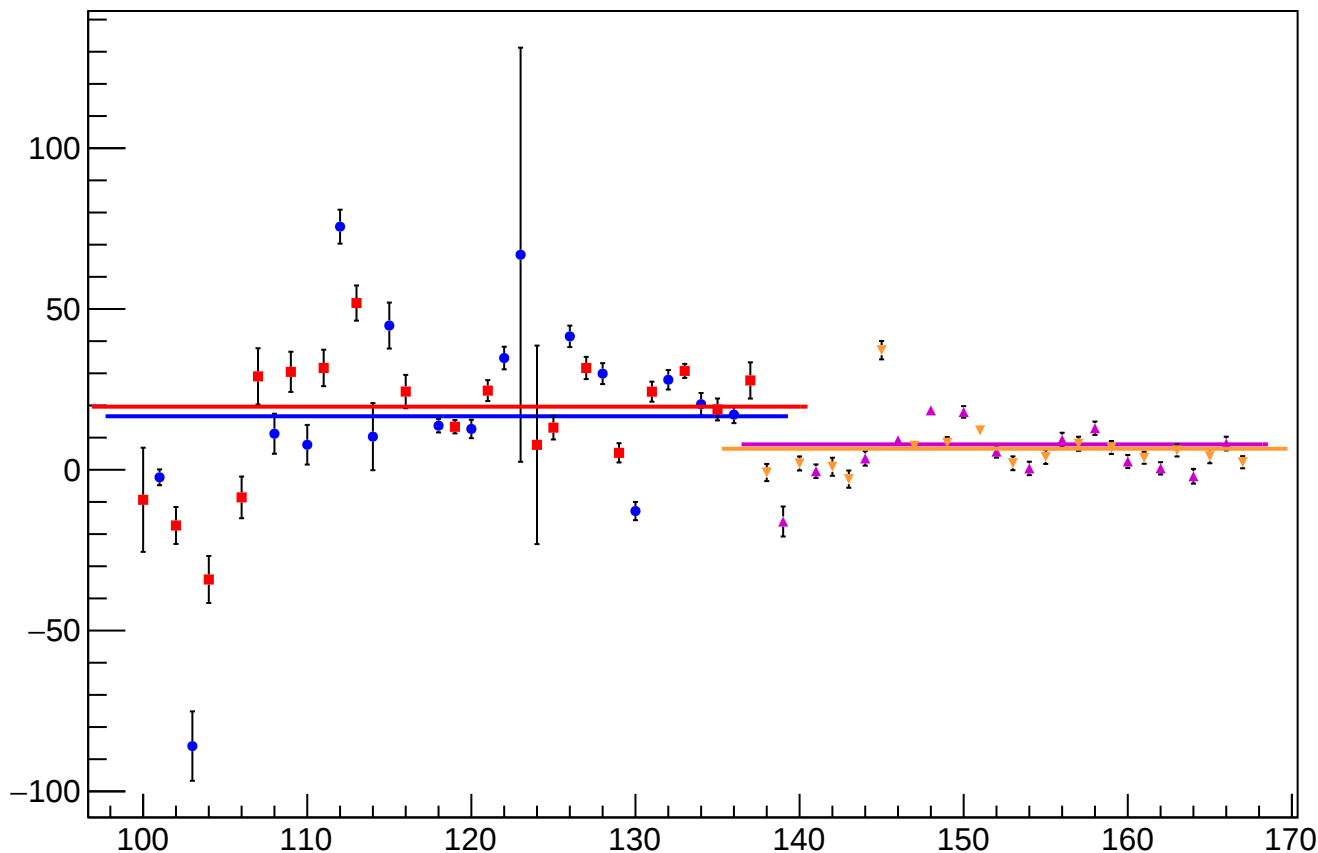
Left In: -26.501 ± 0.731 χ^2/NDF : 639.9/13

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -25.065 ± 0.506 χ^2/NDF : 1583.2/29

- 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 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 6.543 ± 0.495 $\chi^2/\text{NDF}: 175.8/15$

Right Out: 19.632 ± 0.896 $\chi^2/\text{NDF}: 241.7/18$

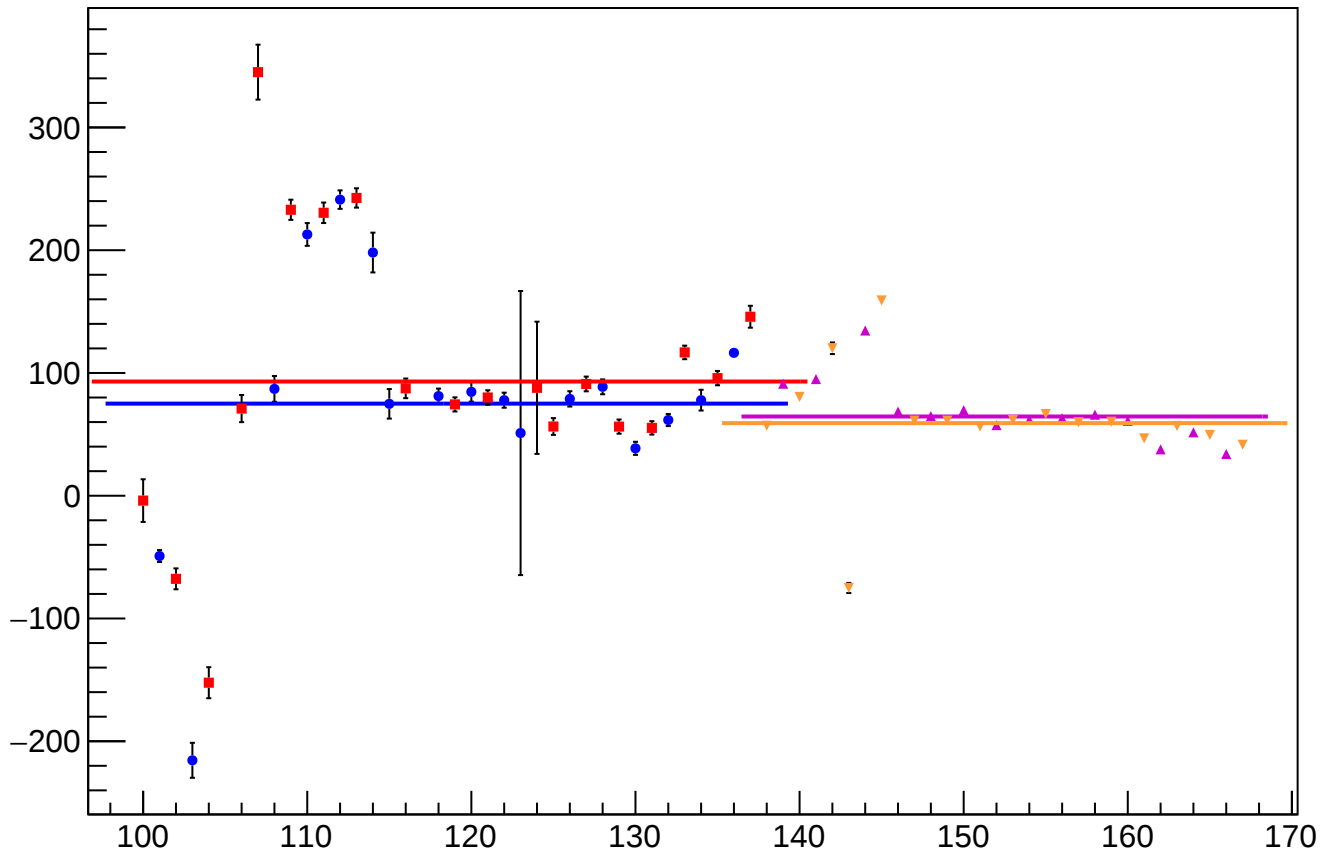
Left In: 7.903 ± 0.521 $\chi^2/\text{NDF}: 204.4/13$

+ sign 9.059 ± 0.429 $\chi^2/\text{NDF}: 798.6/32$

All: 9.917 ± 0.310 $\chi^2/\text{NDF}: 1381.1/65$

- sign 10.862 ± 0.450 $\chi^2/\text{NDF}: 574.2/32$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2/NDF : 1999.7/16

Left Out: 59.145 $\pm$ 0.687 χ^2/NDF : 2246.1/15

Right Out: 93.028 $\pm$ 1.711 χ^2/NDF : 2003.6/18

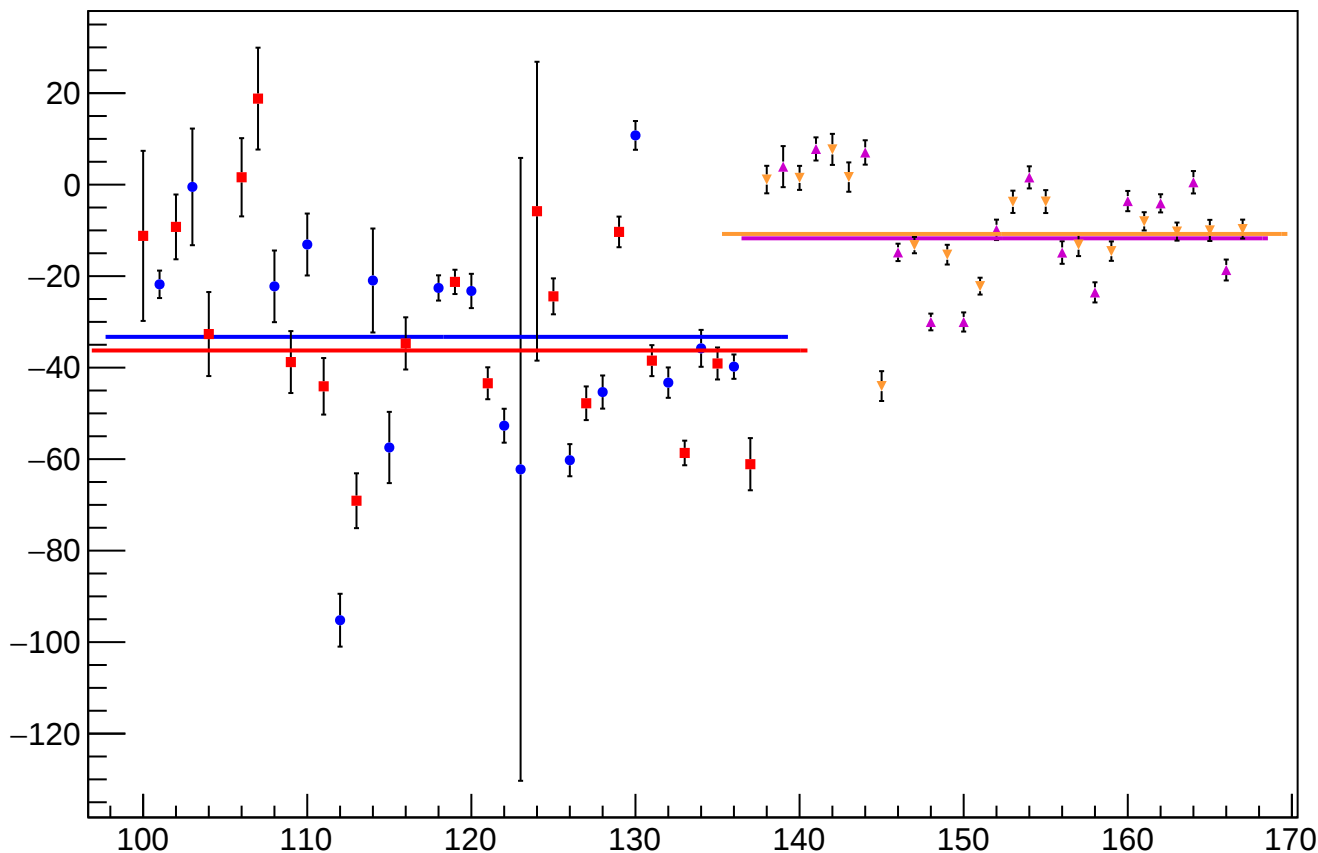
Left In: 64.543 $\pm$ 0.712 χ^2/NDF : 957.1/13

+ sign 61.502 $\pm$ 0.634 χ^2/NDF : 4325.1/32

All: 64.995 $\pm$ 0.456 χ^2/NDF : 7584.8/65

- sign 68.744 $\pm$ 0.657 χ^2/NDF : 3196.9/32

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

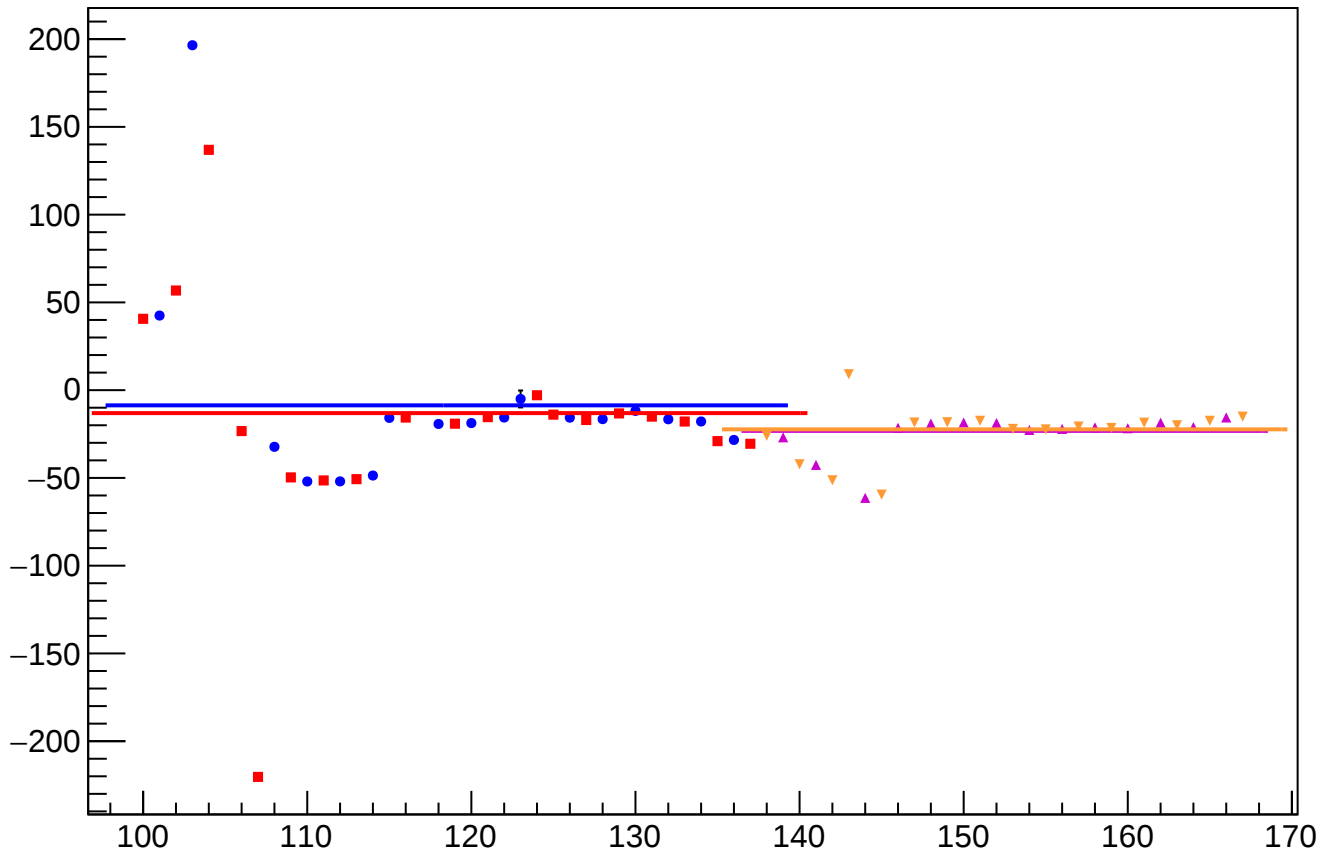
Left In: -11.735 ± 0.607 χ^2/NDF : 424.7/13

+ sign -16.559 ± 0.498 χ^2/NDF : 1132.6/32

All: -17.300 ± 0.360 χ^2/NDF : 2283.7/65

- sign -18.115 ± 0.522 χ^2/NDF : 1146.4/32

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 χ^2/NDF : 575742.7/16

Left Out: -22.329 ± 0.027 χ^2/NDF : 178202.5/15

Right Out: -13.077 ± 0.062 χ^2/NDF : 558318.9/18

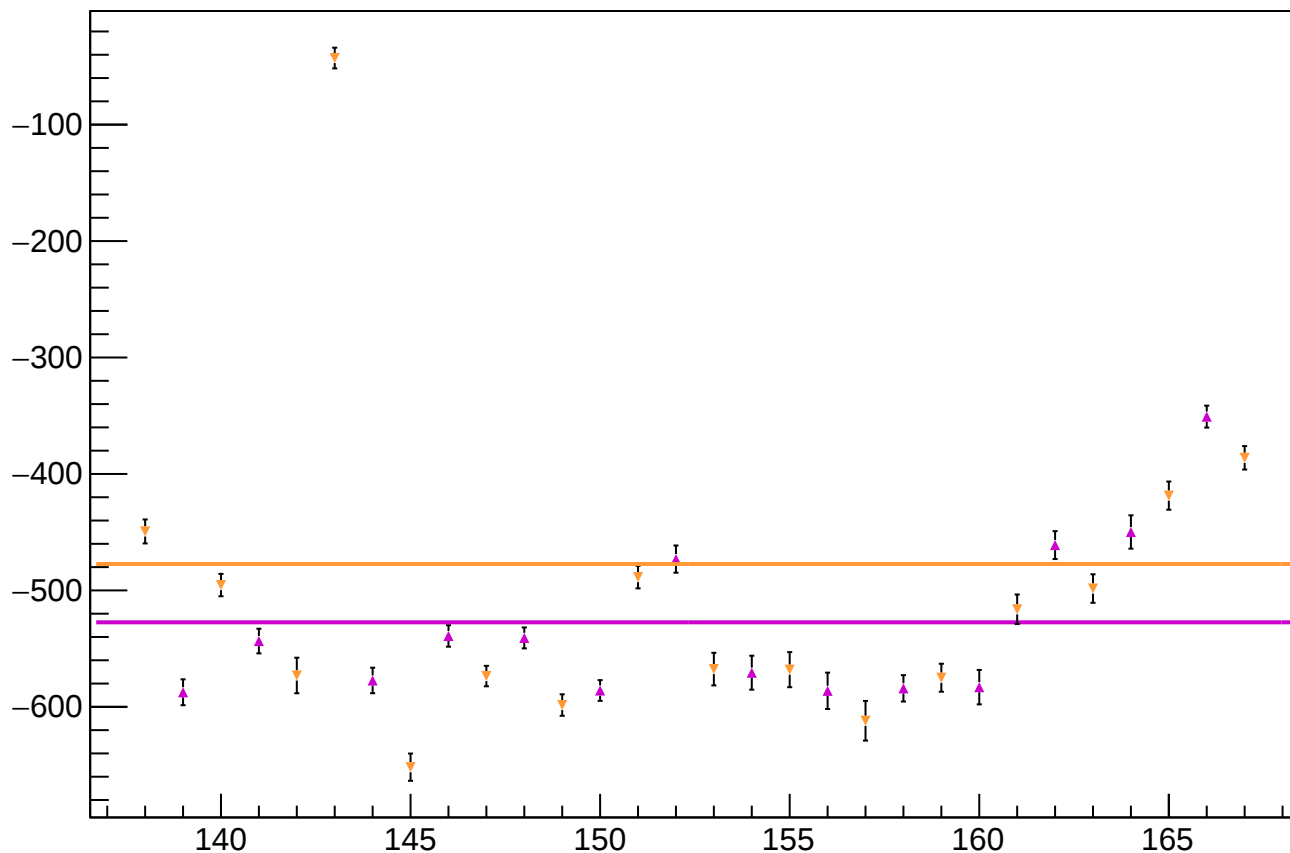
Left In: -23.191 ± 0.028 χ^2/NDF : 106812.6/13

+ sign -19.958 ± 0.025 χ^2/NDF : 798204.2/32

All: -20.678 ± 0.018 χ^2/NDF : 1487293.0/65

- sign -21.457 ± 0.026 χ^2/NDF : 687305.1/32

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

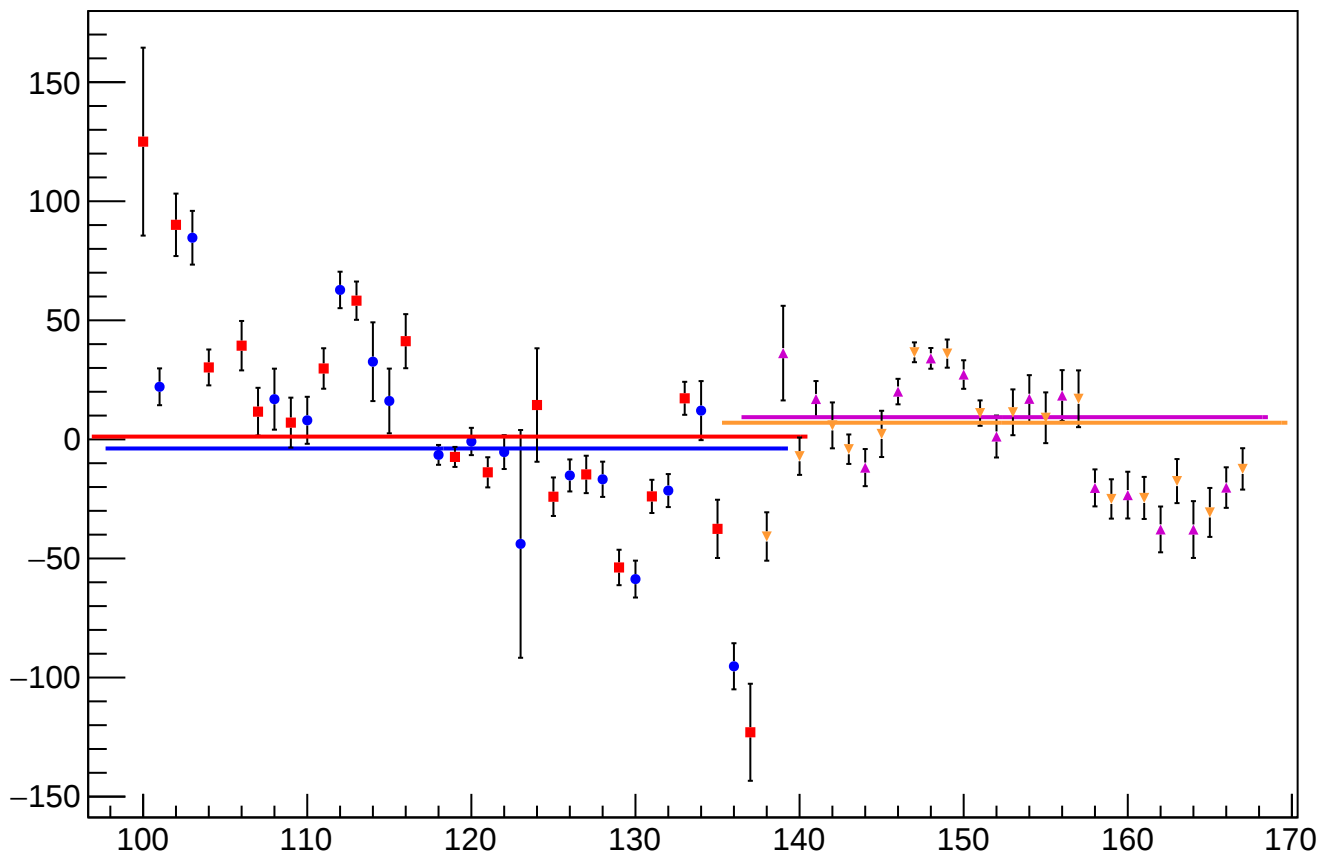
Left In: -527.405+/-2.964 χ^2/NDF : 595.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -500.756+/-2.028 χ^2/NDF : 4022.6/29

- 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

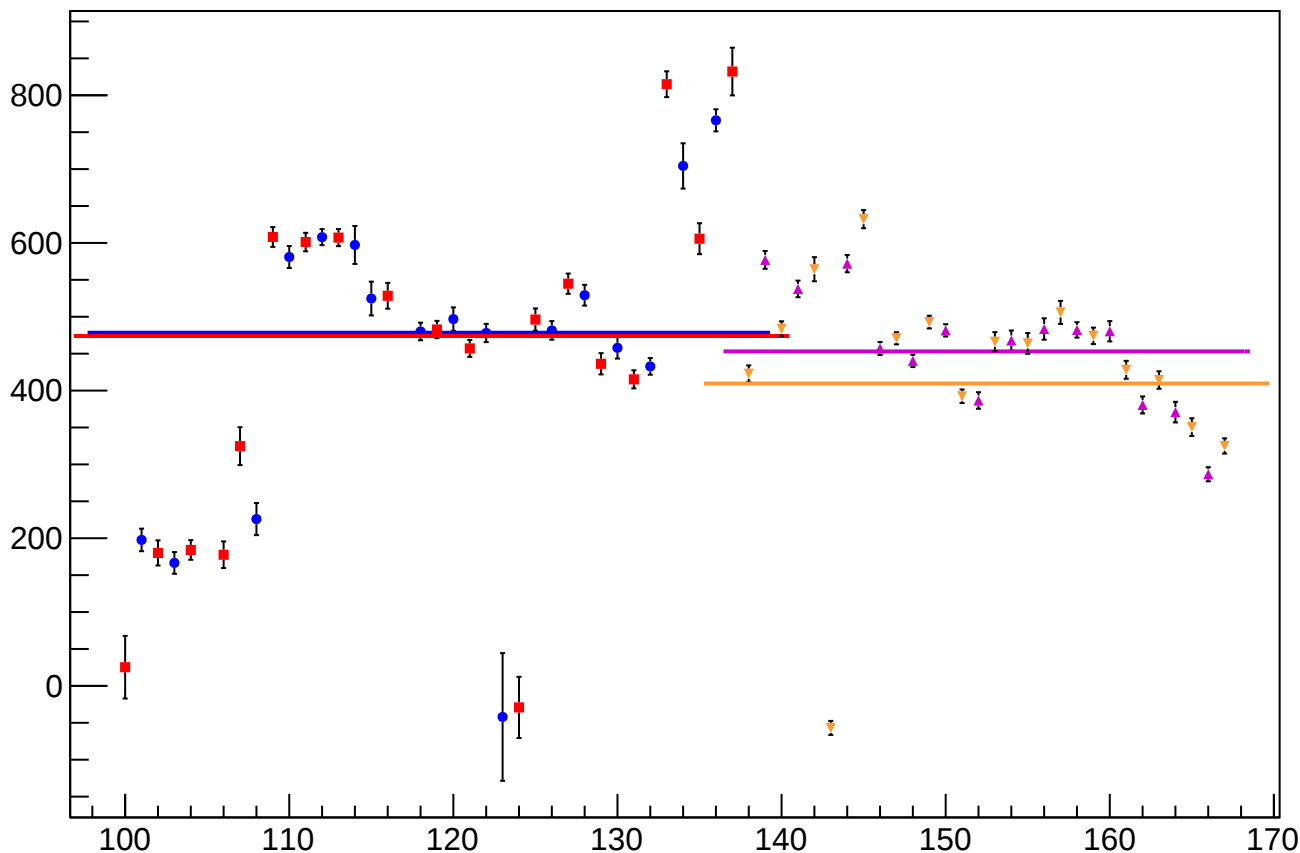
Left In: 9.336 ± 2.031 χ^2/NDF : 135.0/13

+ sign 1.718 ± 1.344 χ^2/NDF : 488.6/32

All: 3.306 ± 0.967 χ^2/NDF : 938.9/65

- sign 5.013 ± 1.393 χ^2/NDF : 447.4/32

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

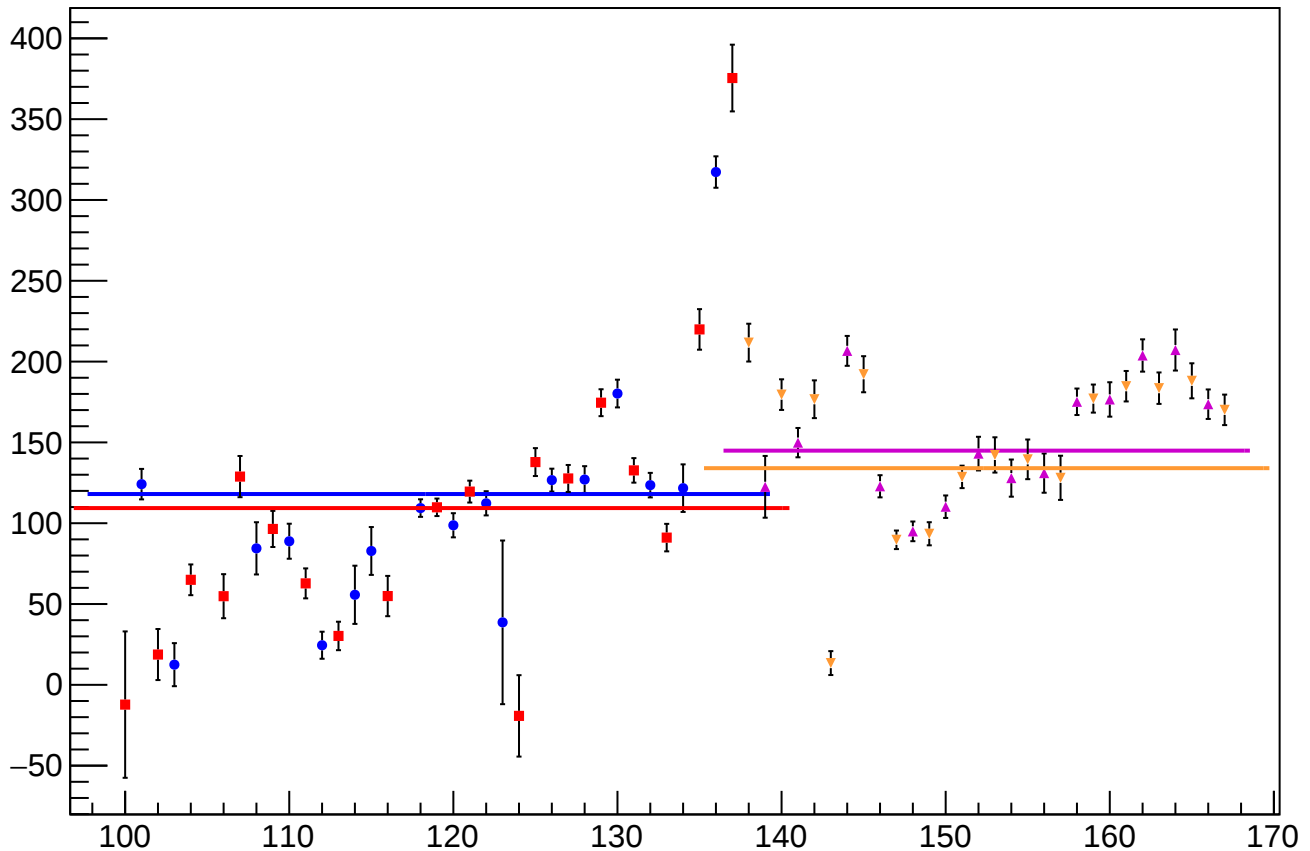
Left In: 453.043 $\pm$ 2.890 χ^2 /NDF: 708.0/13

+ sign 434.323 $\pm$ 2.198 χ^2 /NDF: 5088.5/32

All: 447.630 $\pm$ 1.568 χ^2 /NDF: 8177.0/65

- sign 461.412 $\pm$ 2.237 χ^2 /NDF: 3013.9/32

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 $\chi^2/\text{NDF}: 569.8/18$

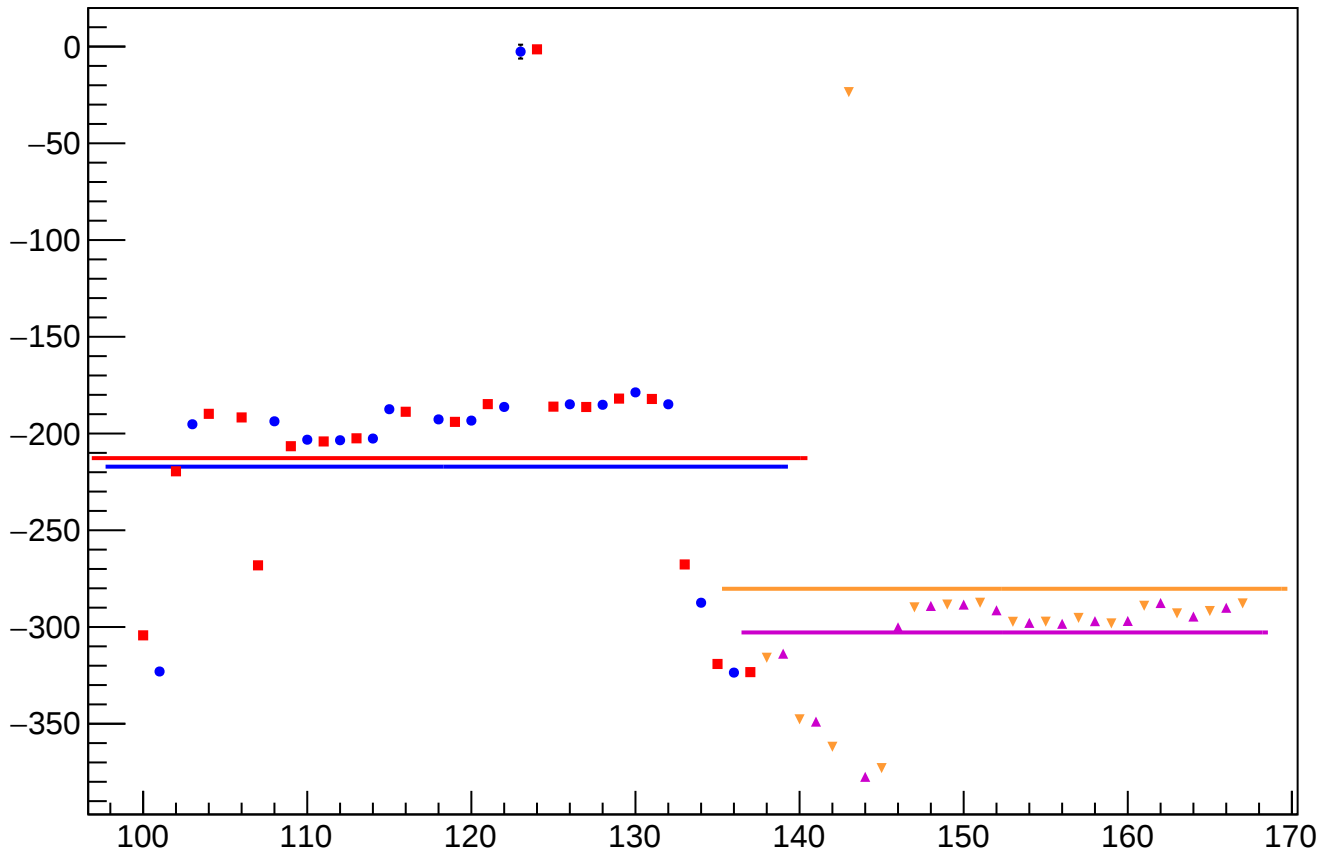
Left In: 144.903 ± 2.419 $\chi^2/\text{NDF}: 243.2/13$

+ sign 125.976 ± 1.581 $\chi^2/\text{NDF}: 1316.7/32$

All: 125.742 ± 1.135 $\chi^2/\text{NDF}: 2247.7/65$

- sign 125.493 ± 1.629 $\chi^2/\text{NDF}: 930.9/32$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 $\pm$ 0.137 χ^2 /NDF: 146559.7/16

Left Out: -280.238 $\pm$ 0.111 χ^2 /NDF: 545939.4/15

Right Out: -212.715 $\pm$ 0.130 χ^2 /NDF: 115566.2/18

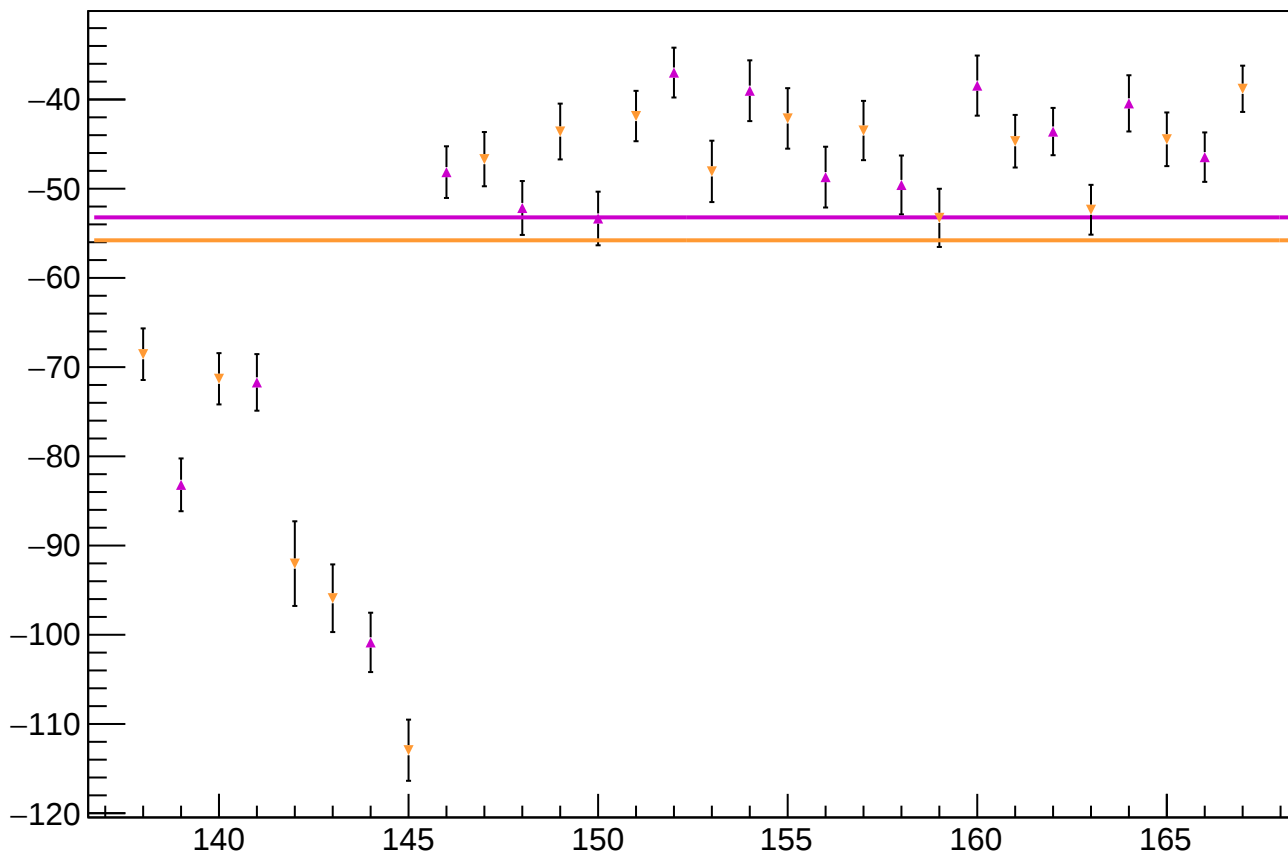
Left In: -302.814 $\pm$ 0.116 χ^2 /NDF: 38691.7/13

+ sign -255.202 $\pm$ 0.086 χ^2 /NDF: 821361.0/32

All: -258.979 $\pm$ 0.061 χ^2 /NDF: 1245897.8/65

- sign -262.819 $\pm$ 0.087 χ^2 /NDF: 420648.3/32

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

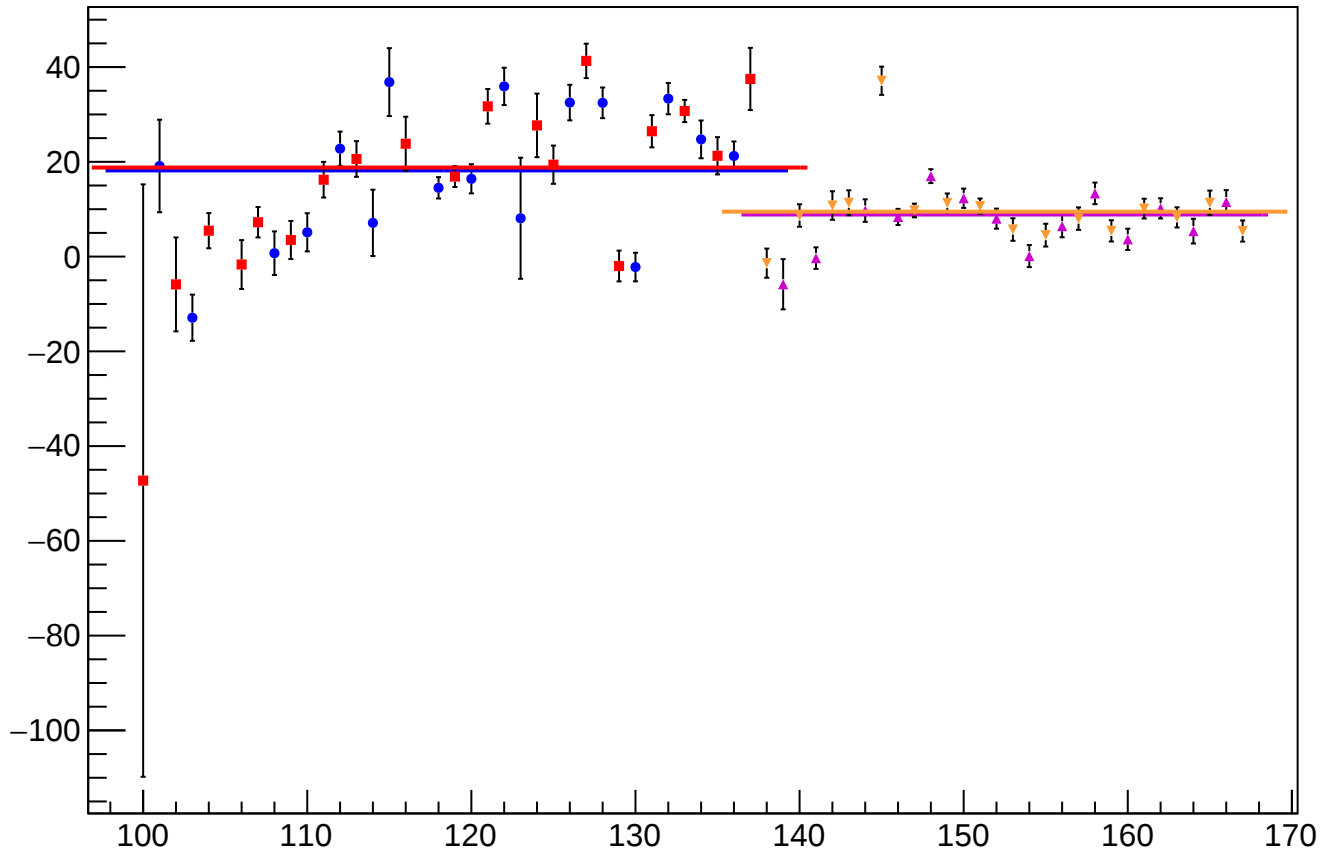
Left In: -53.214+/-0.817 χ^2/NDF : 453.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -54.556+/-0.565 χ^2/NDF : 1112.6/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.484 ± 0.551 χ^2/NDF : 115.2/15

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

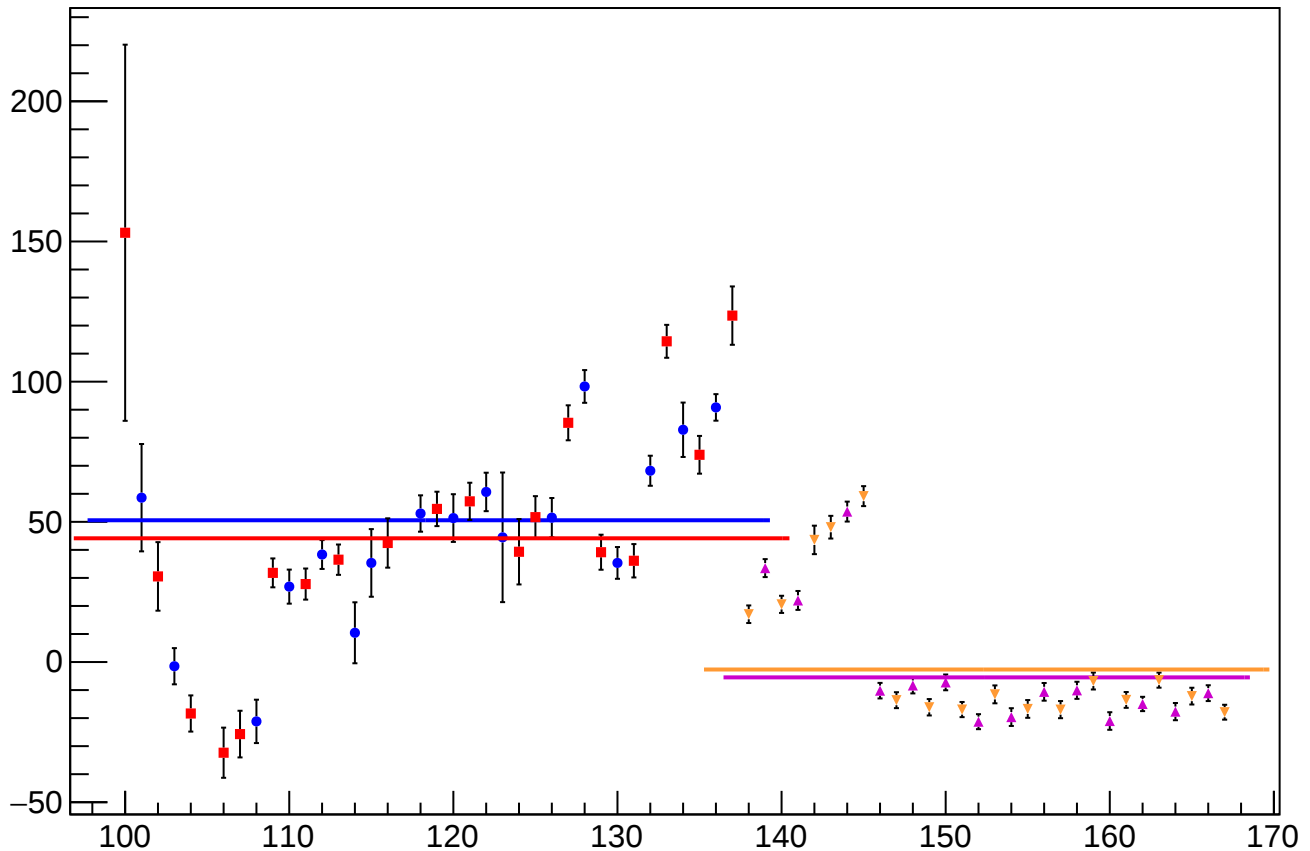
Left In: 8.881 ± 0.582 χ^2/NDF : 85.5/13

+ sign 11.792 ± 0.472 χ^2/NDF : 386.3/32

All: 11.883 ± 0.337 χ^2/NDF : 761.4/65

- sign 11.977 ± 0.482 χ^2/NDF : 375.0/32

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 ± 1.678 $\chi^2/\text{NDF}: 357.9/16$

Left Out: -2.665 ± 0.768 $\chi^2/\text{NDF}: 813.8/15$

Right Out: 44.132 ± 1.603 $\chi^2/\text{NDF}: 532.5/18$

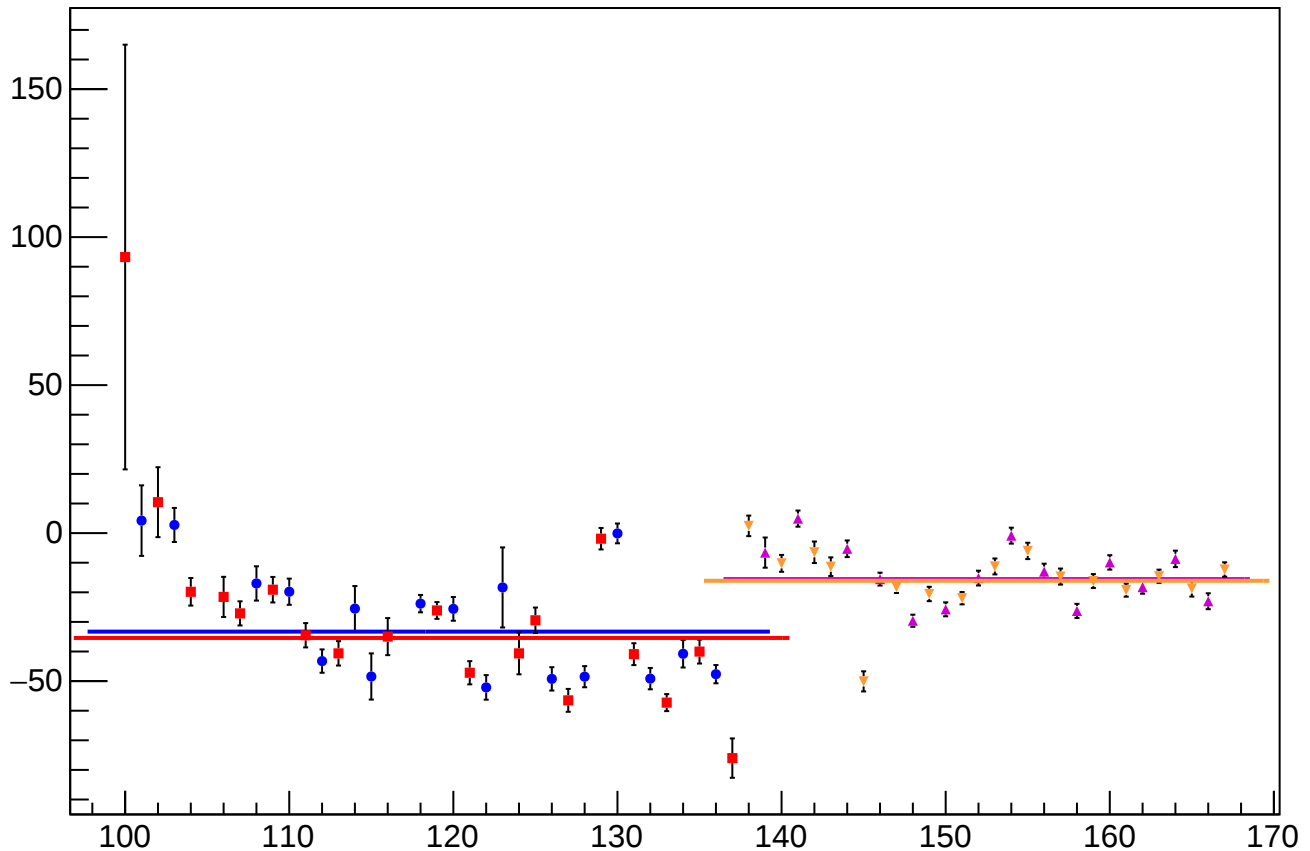
Left In: -5.474 ± 0.796 $\chi^2/\text{NDF}: 612.7/13$

+ sign 6.553 ± 0.698 $\chi^2/\text{NDF}: 2004.2/32$

All: 5.466 ± 0.499 $\chi^2/\text{NDF}: 3923.1/65$

- sign -4.334 ± 0.713 $\chi^2/\text{NDF}: 1914.0/32$

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

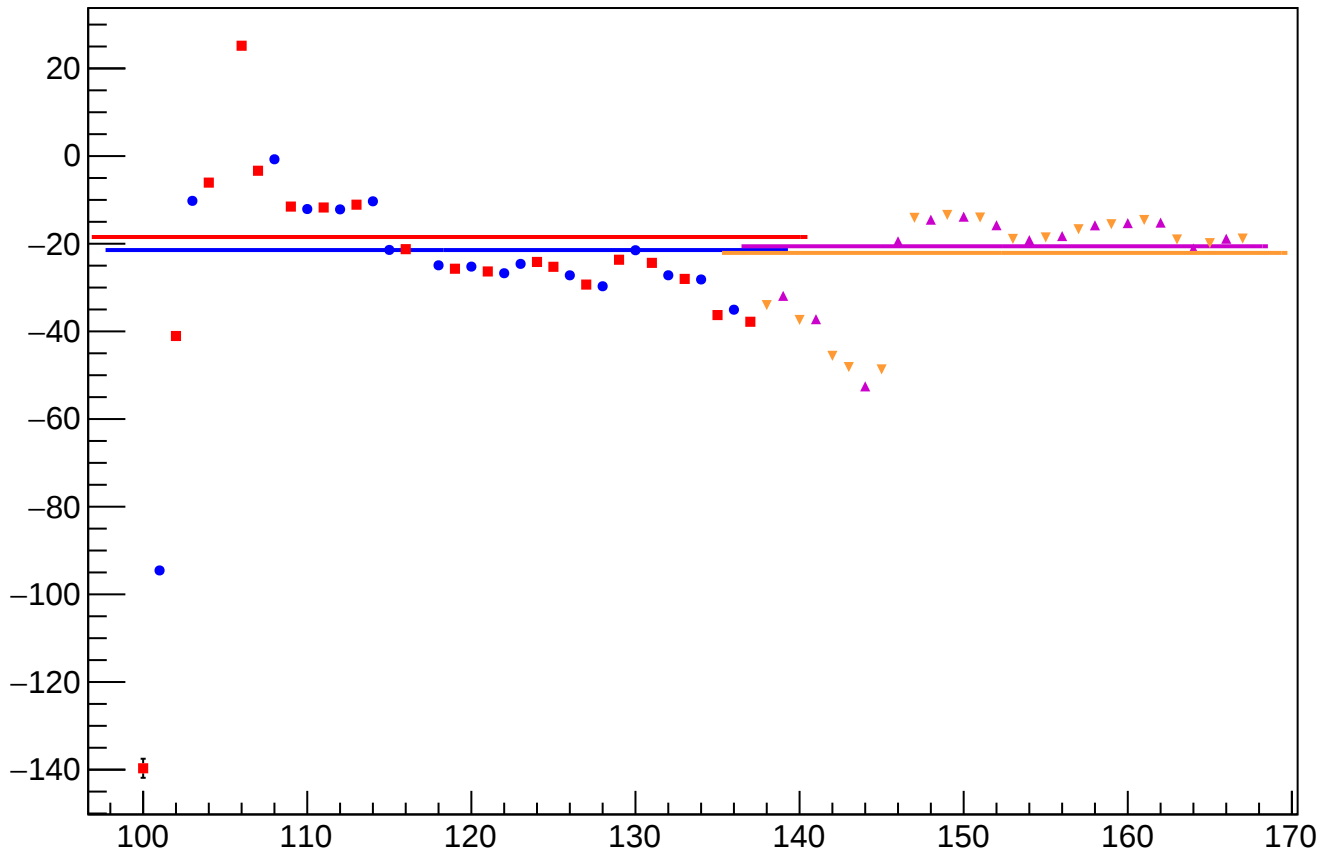
Left In: -15.528 ± 0.678 χ^2/NDF : 209.4/13

+ sign -20.844 ± 0.548 χ^2/NDF : 663.6/32

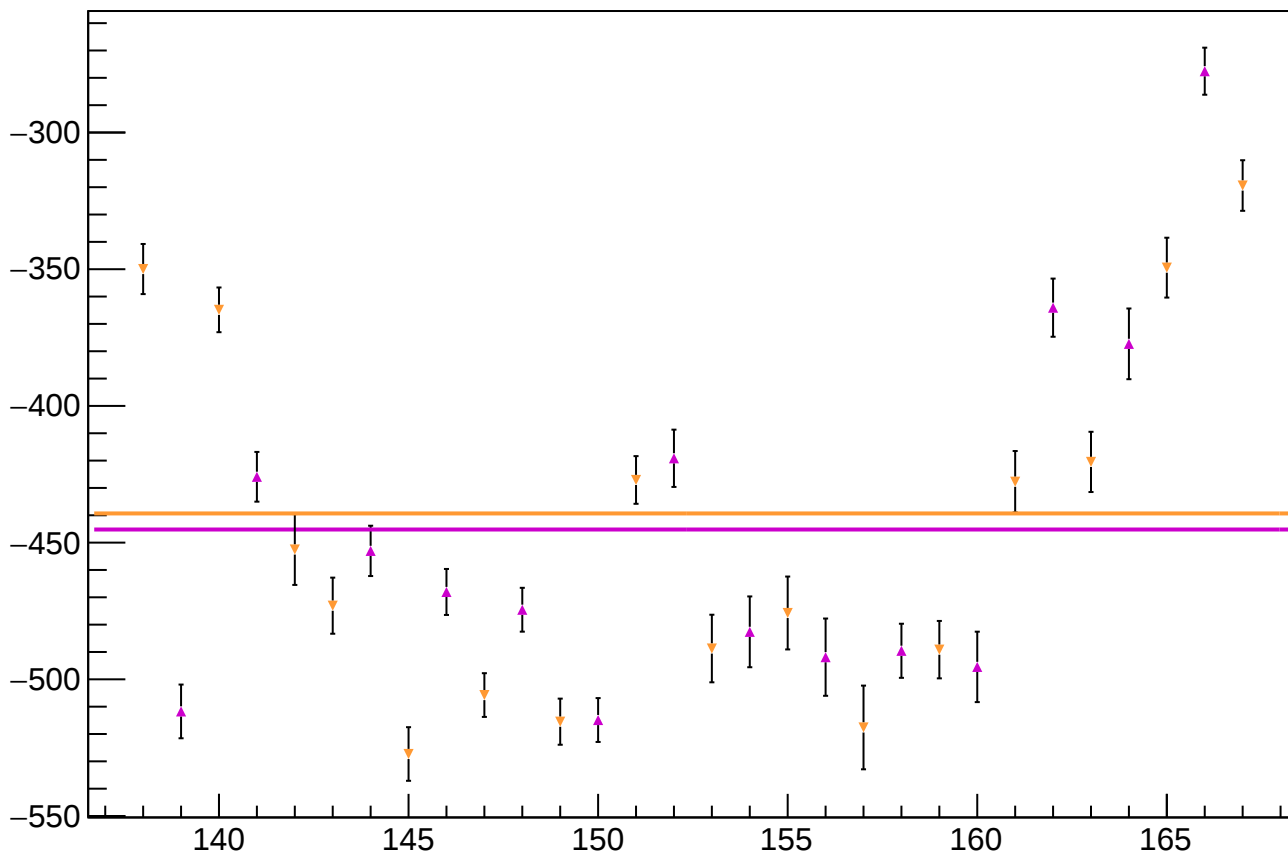
All: -21.343 ± 0.392 χ^2/NDF : 1438.8/65

- sign -21.863 ± 0.559 χ^2/NDF : 773.5/32

reg_asym_atr1_diff_bpm12X_slope vs Slug



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

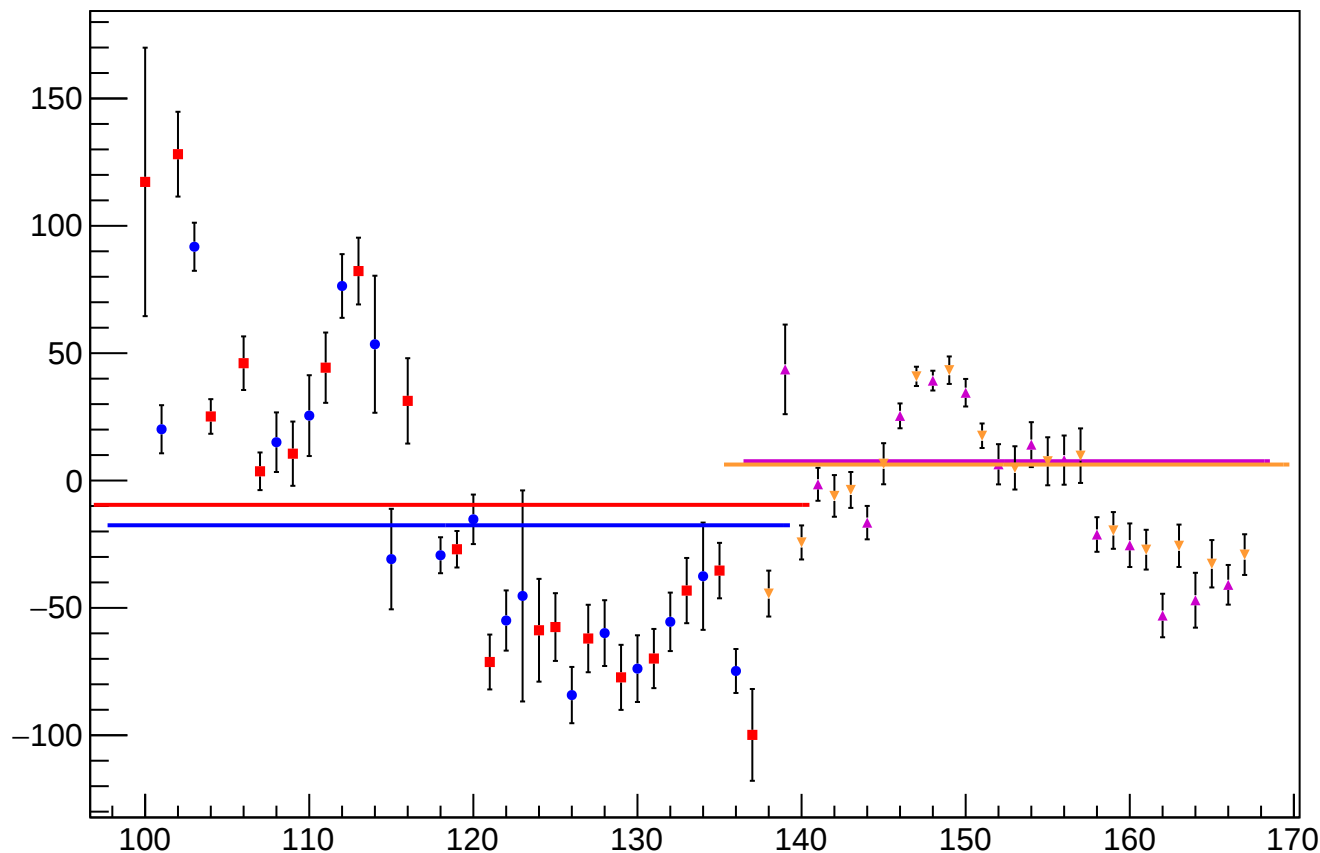
Left In: -445.204+/-2.634 χ^2/NDF : 673.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -442.137+/-1.821 χ^2/NDF : 1410.5/29

- 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

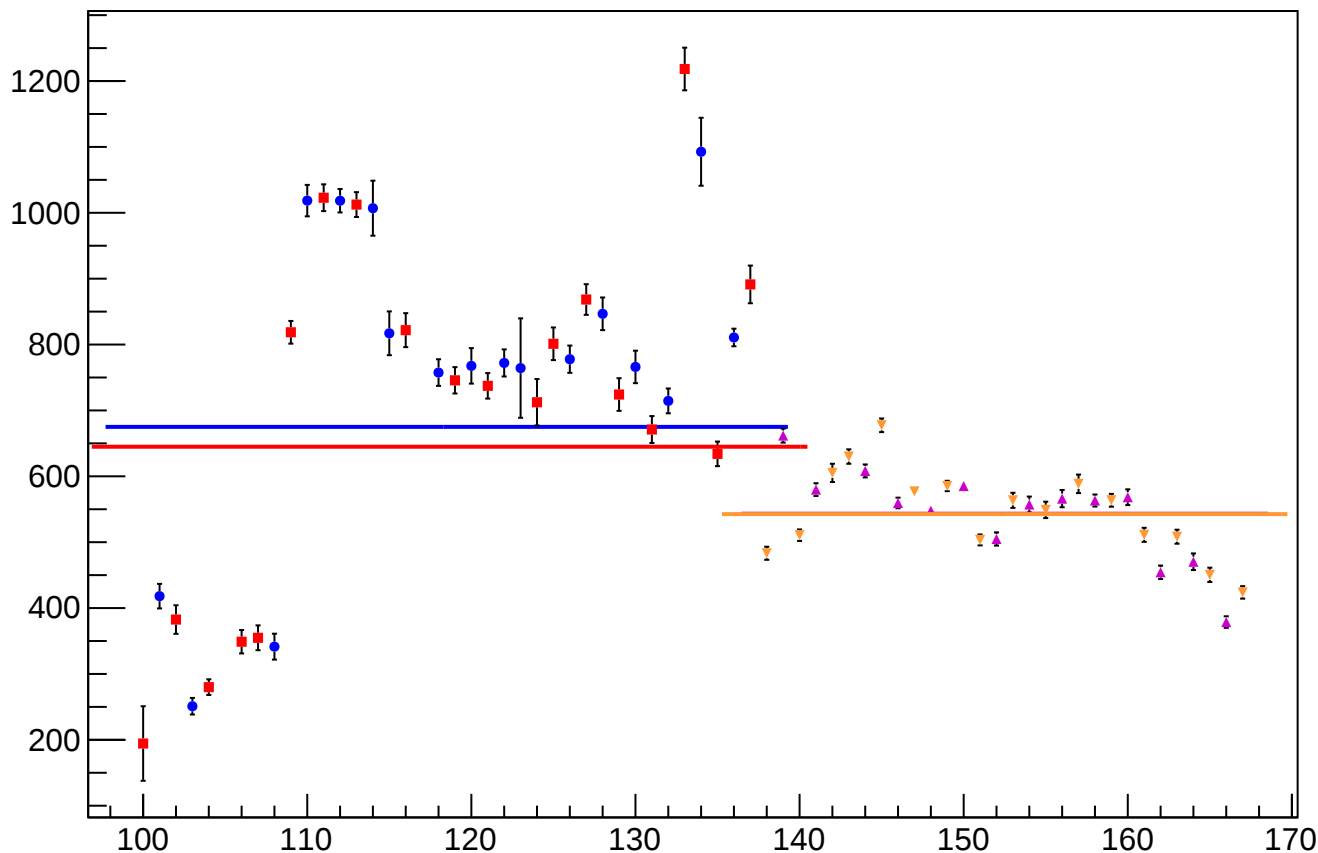
Left In: 7.588 ± 1.806 χ^2/NDF : 272.3/13

+ sign -0.107 ± 1.460 χ^2/NDF : 692.2/32

All: 0.946 ± 1.041 χ^2/NDF : 1364.9/65

- sign 2.036 ± 1.485 χ^2/NDF : 671.7/32

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 ± 5.067 $\chi^2/\text{NDF}: 2584.3/16$

Left Out: 542.615 ± 2.488 $\chi^2/\text{NDF}: 643.1/15$

Right Out: 644.915 ± 4.761 $\chi^2/\text{NDF}: 3122.2/18$

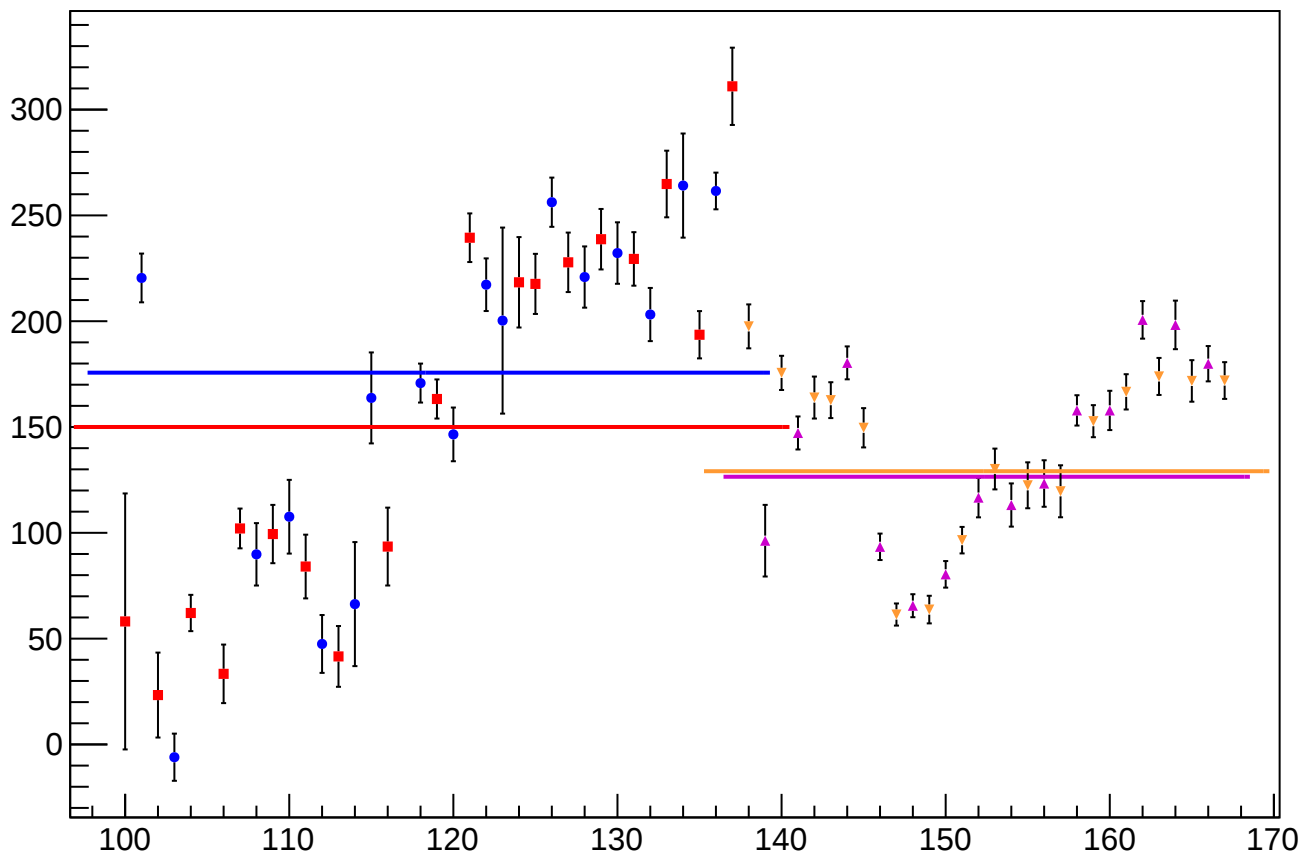
Left In: 543.236 ± 2.571 $\chi^2/\text{NDF}: 706.9/13$

+ sign 568.335 ± 2.233 $\chi^2/\text{NDF}: 3777.7/32$

All: 567.277 ± 1.589 $\chi^2/\text{NDF}: 7960.3/65$

- sign 566.192 ± 2.262 $\chi^2/\text{NDF}: 4182.2/32$

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

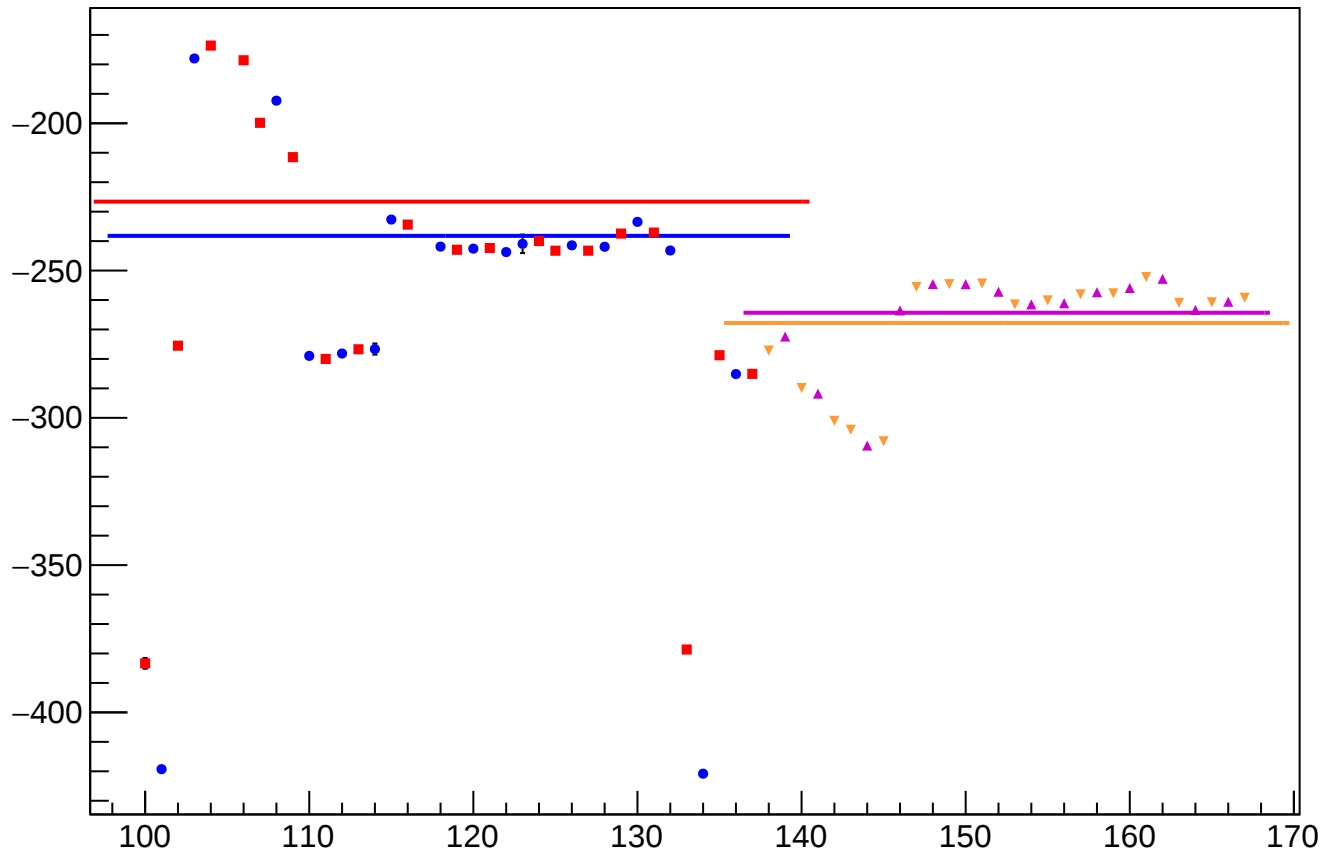
Left In: 126.498 ± 2.150 χ^2/NDF : 449.3/13

+ sign 142.344 ± 1.726 χ^2/NDF : 1291.3/32

All: 138.405 ± 1.231 χ^2/NDF : 2484.7/65

- sign 134.331 ± 1.756 χ^2/NDF : 1182.9/32

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

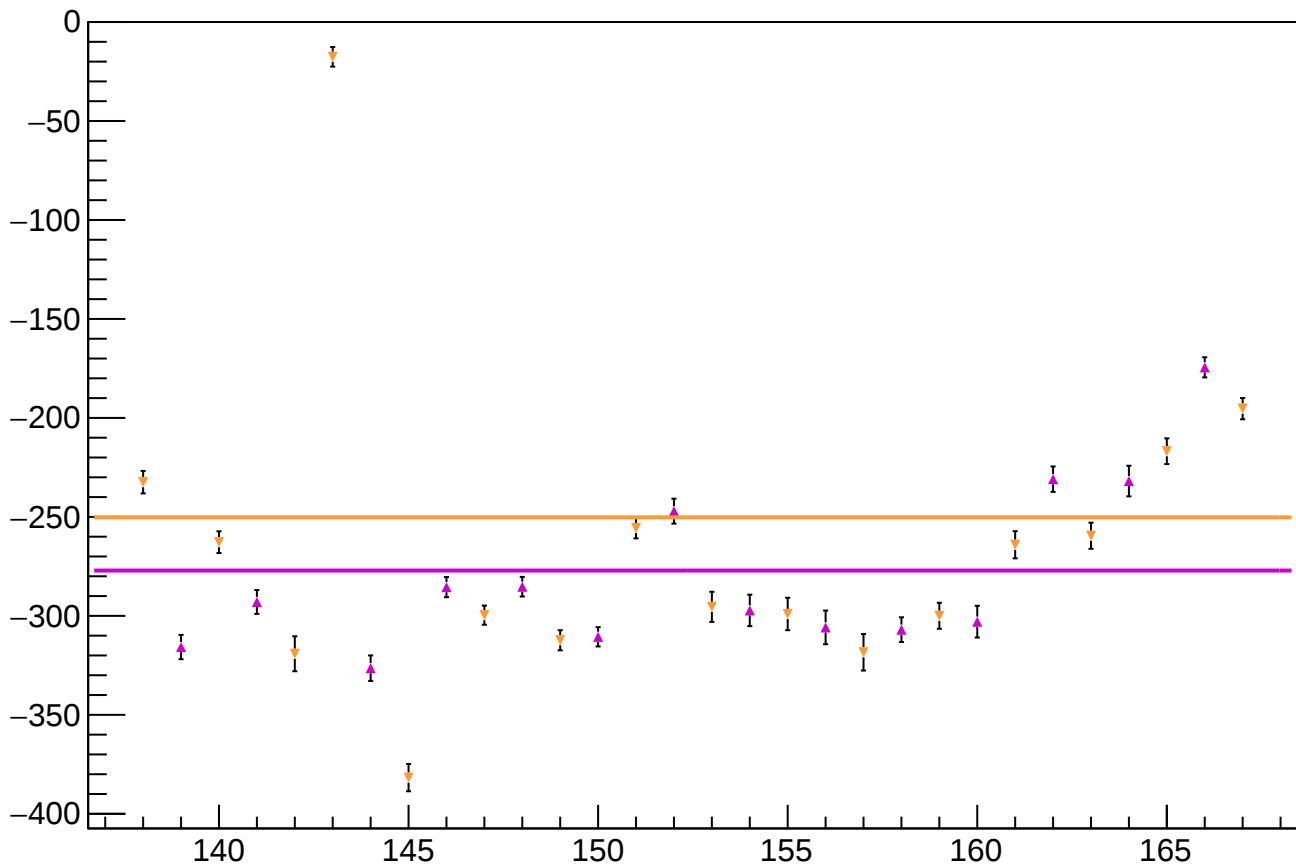
Left In: -264.320 ± 0.103 χ^2/NDF : 20352.3/13

+ sign -259.491 ± 0.085 χ^2/NDF : 223923.0/32

All: -255.914 ± 0.060 χ^2/NDF : 392804.3/65

- sign -252.310 ± 0.085 χ^2/NDF : 165326.3/32

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

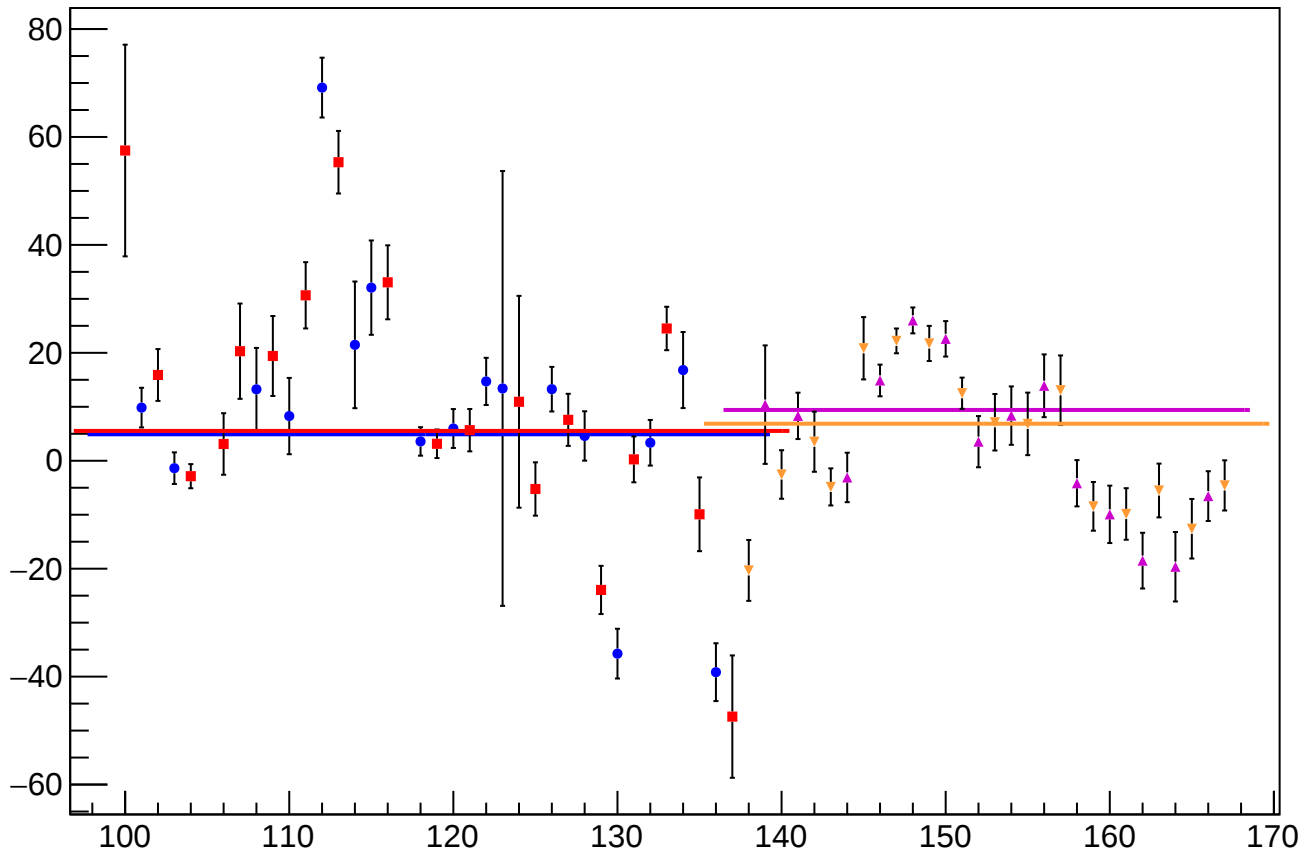
Left In: -277.112+/-1.632 χ^2/NDF : 724.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -262.828+/-1.117 χ^2/NDF : 4094.8/29

- 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

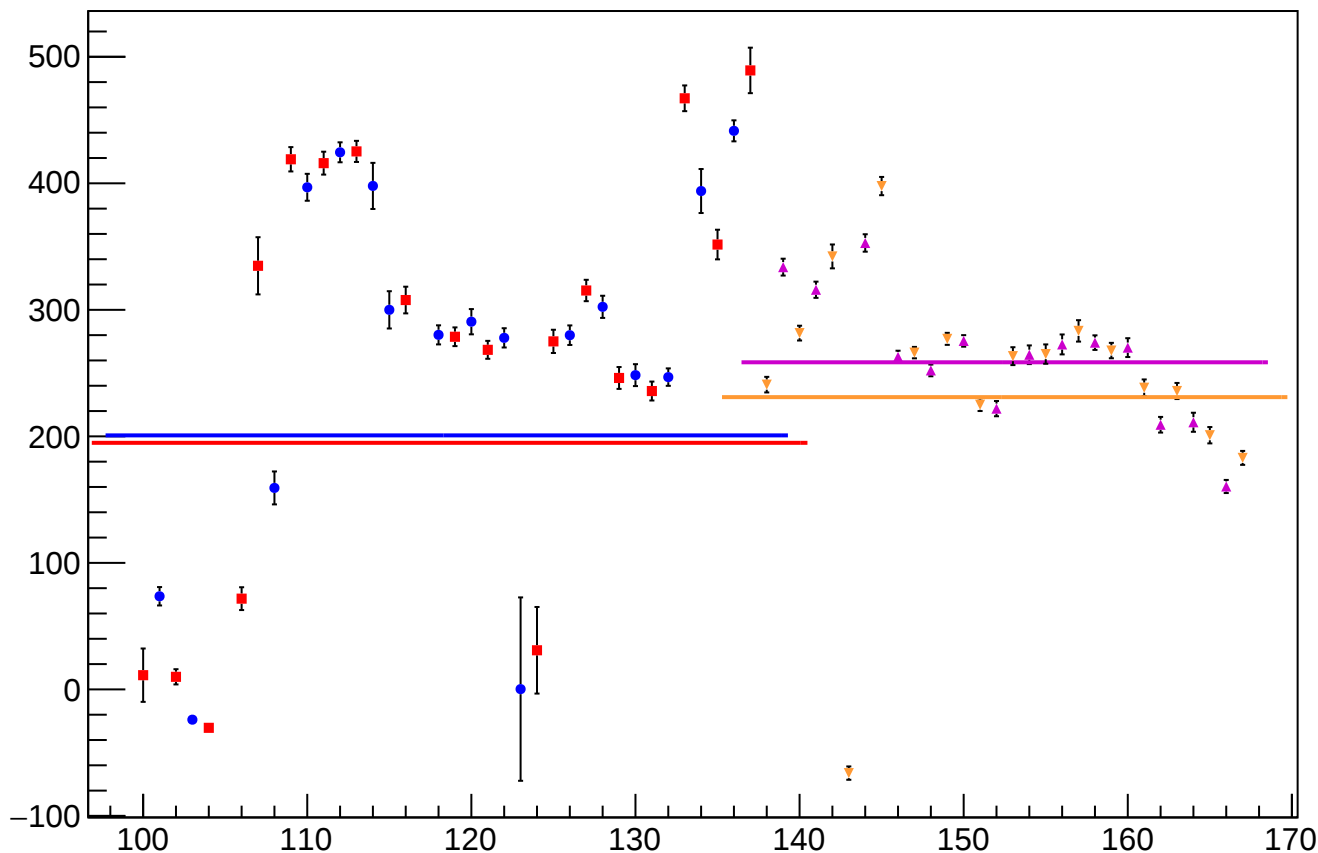
Left In: 9.416 ± 1.119 χ^2/NDF : 161.9/13

+ sign 5.950 ± 0.755 χ^2/NDF : 477.5/32

All: 6.650 ± 0.540 χ^2/NDF : 886.4/65

- sign 7.384 ± 0.773 χ^2/NDF : 407.1/32

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 231.006 $\pm$ 1.511 χ^2 /NDF: 4288.2/15

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

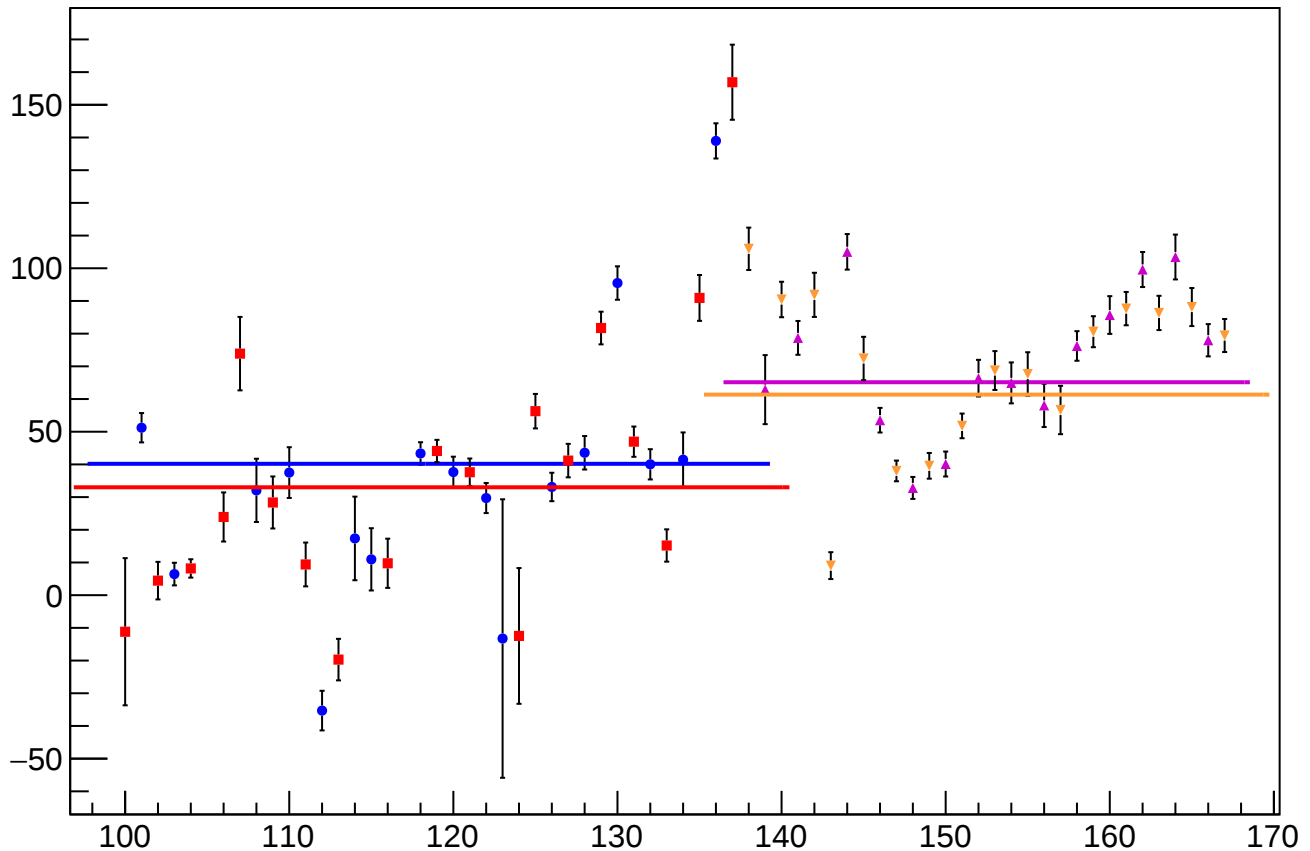
Left In: 258.541 $\pm$ 1.589 χ^2 /NDF: 923.8/13

+ sign 219.901 $\pm$ 1.202 χ^2 /NDF: 11168.2/32

All: 226.189 $\pm$ 0.858 χ^2 /NDF: 21045.5/65

- sign 232.724 $\pm$ 1.225 χ^2 /NDF: 9821.5/32

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

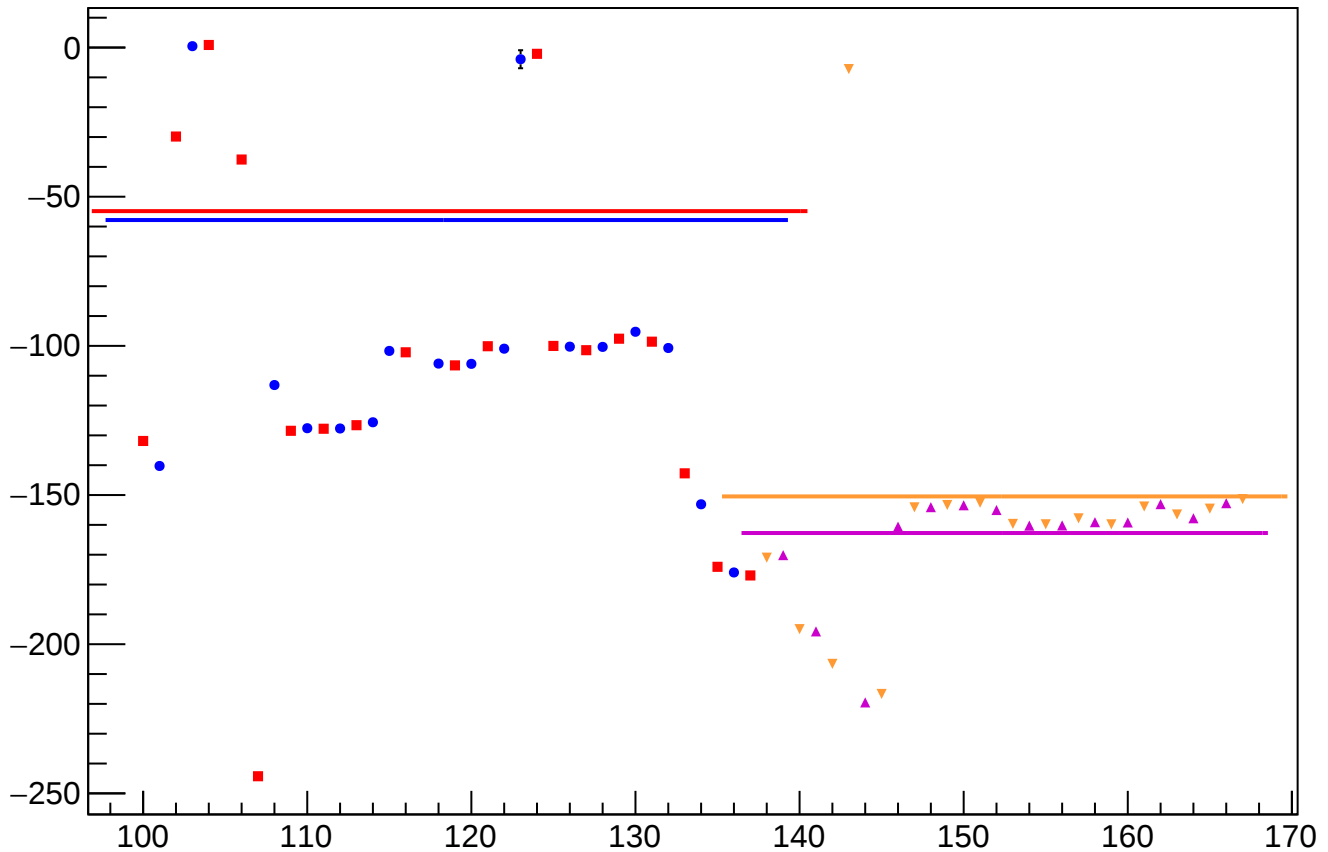
Left In: 65.140+/-1.331 χ^2 /NDF: 305.1/13

+ sign 51.158+/-0.891 χ^2 /NDF: 1331.2/32

All: 49.647+/-0.637 χ^2 /NDF: 2504.4/65

- sign 48.065+/-0.911 χ^2 /NDF: 1167.3/32

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 $\chi^2/\text{NDF}: 1000741.7/18$

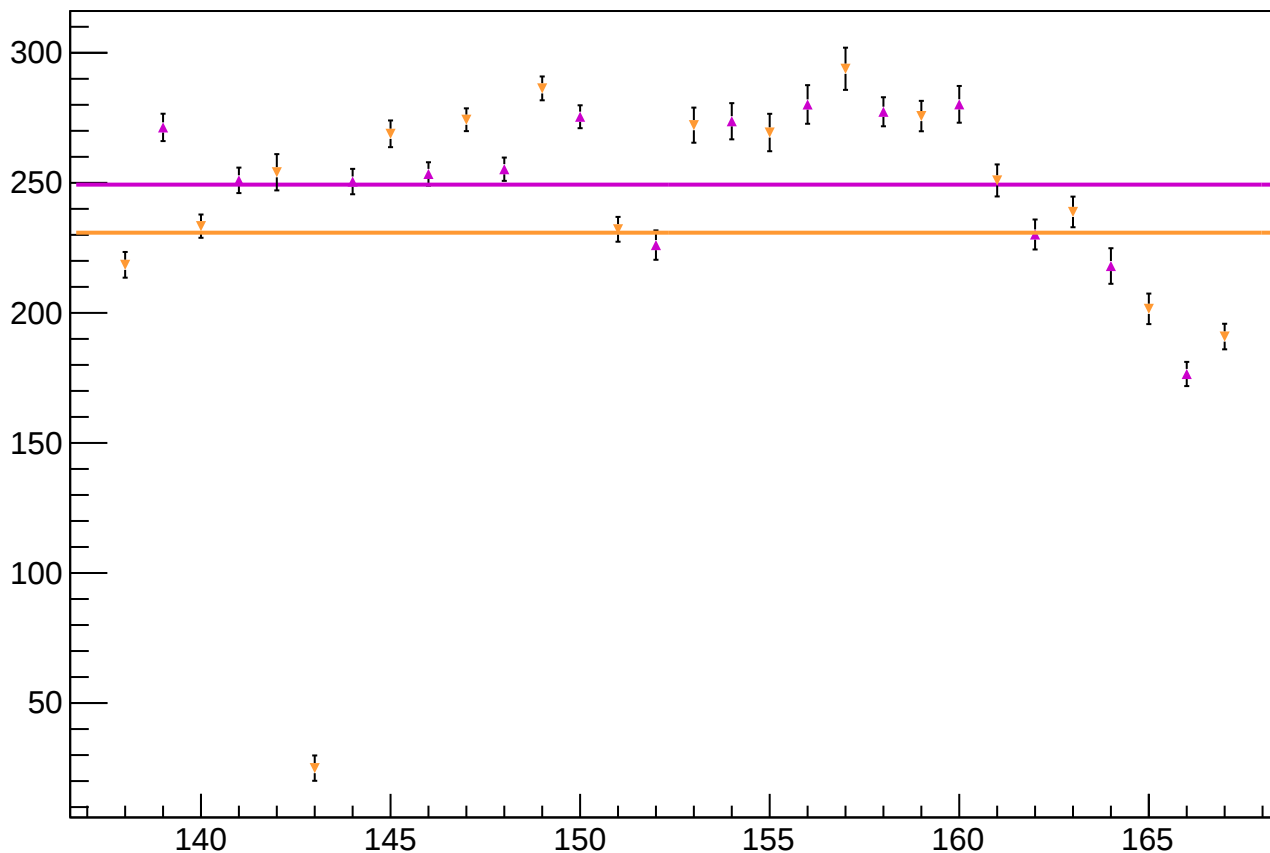
Left In: -162.730 ± 0.064 $\chi^2/\text{NDF}: 62193.9/13$

+ sign -104.858 ± 0.043 $\chi^2/\text{NDF}: 2822536.8/32$

All: -105.223 ± 0.031 $\chi^2/\text{NDF}: 5395308.1/65$

- sign -105.595 ± 0.044 $\chi^2/\text{NDF}: 2572628.2/32$

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

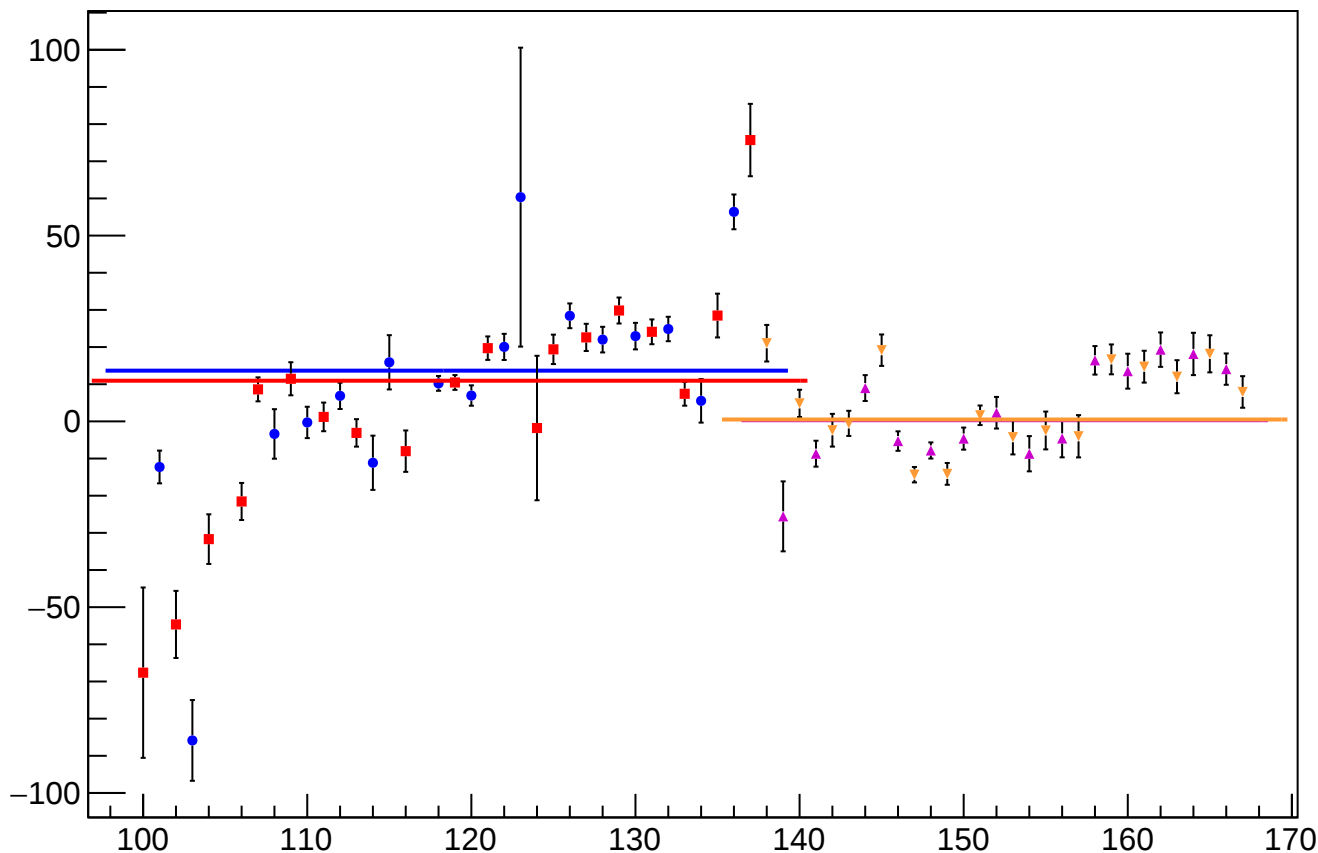
Left In: 249.317+/-1.428 χ^2/NDF : 423.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 239.582+/-0.982 χ^2/NDF : 2904.2/29

- 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

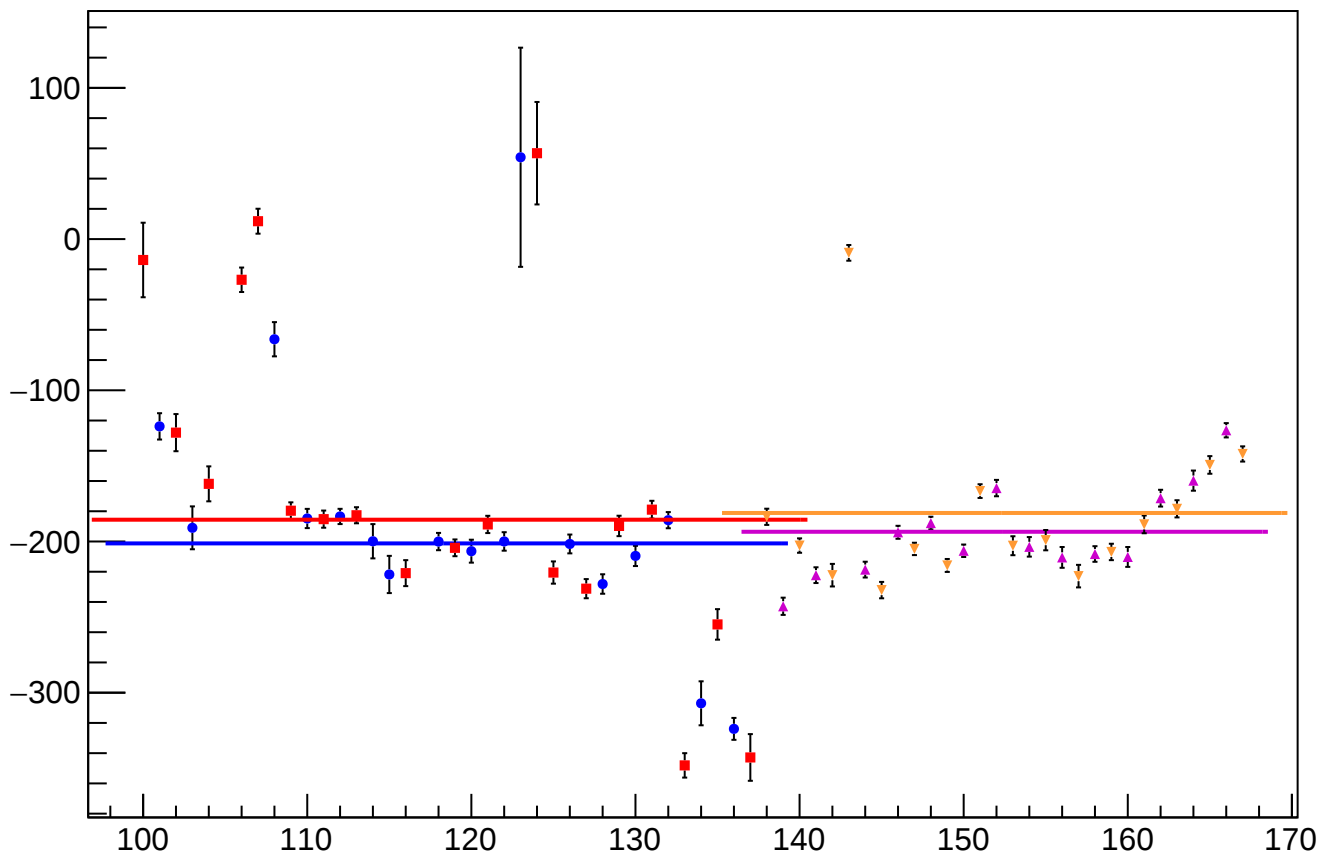
Left In: 0.313 $\pm$ 0.984 χ^2 /NDF: 109.4/13

+ sign 6.965 $\pm$ 0.656 χ^2 /NDF: 560.7/32

All: 6.505 $\pm$ 0.469 χ^2 /NDF: 1036.4/65

- sign 6.026 $\pm$ 0.669 χ^2 /NDF: 474.7/32

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

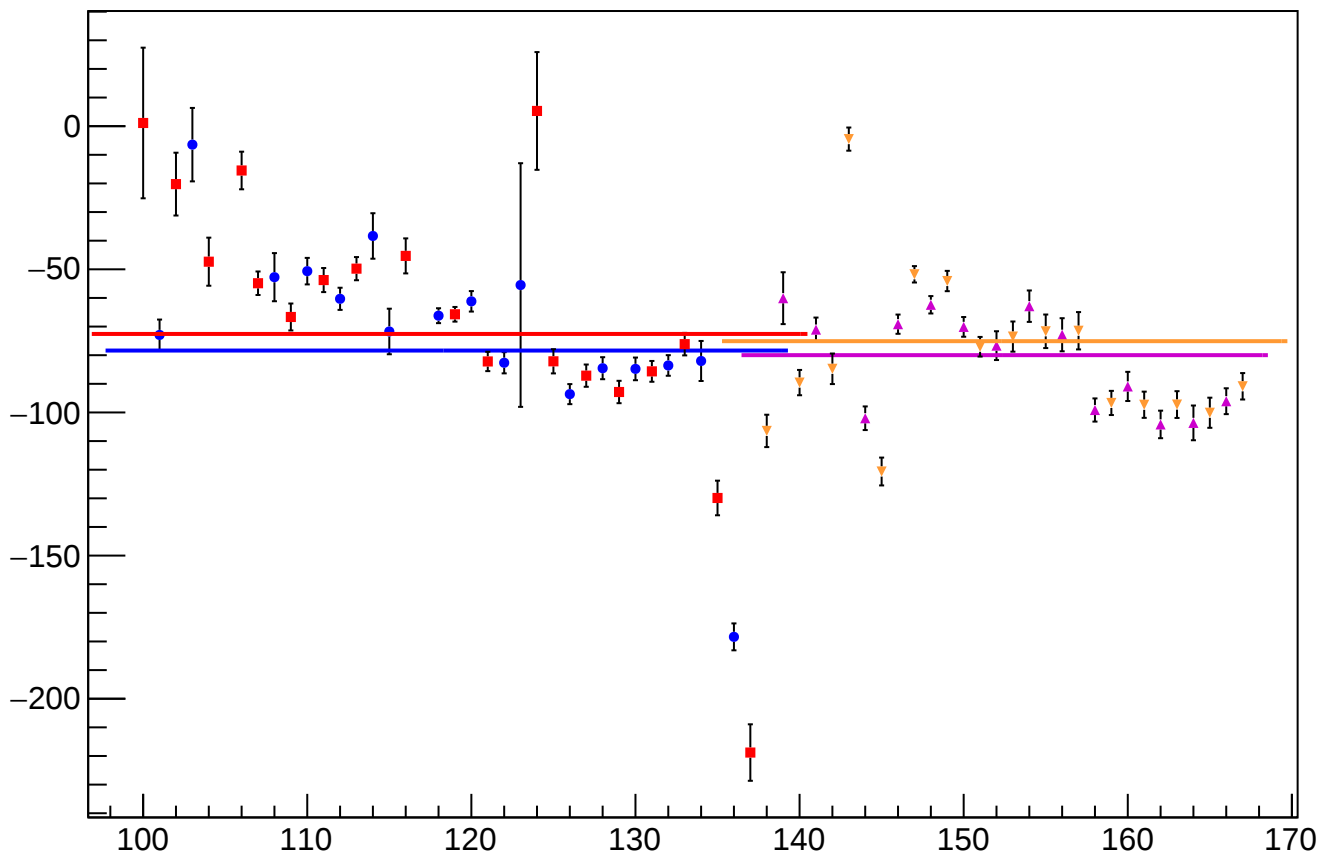
Left In: -193.574 ± 1.395 χ^2/NDF : 433.4/13

+ sign -188.321 ± 1.073 χ^2/NDF : 2213.0/32

All: -189.335 ± 0.760 χ^2/NDF : 4407.4/65

- sign -190.360 ± 1.078 χ^2/NDF : 2192.6/32

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

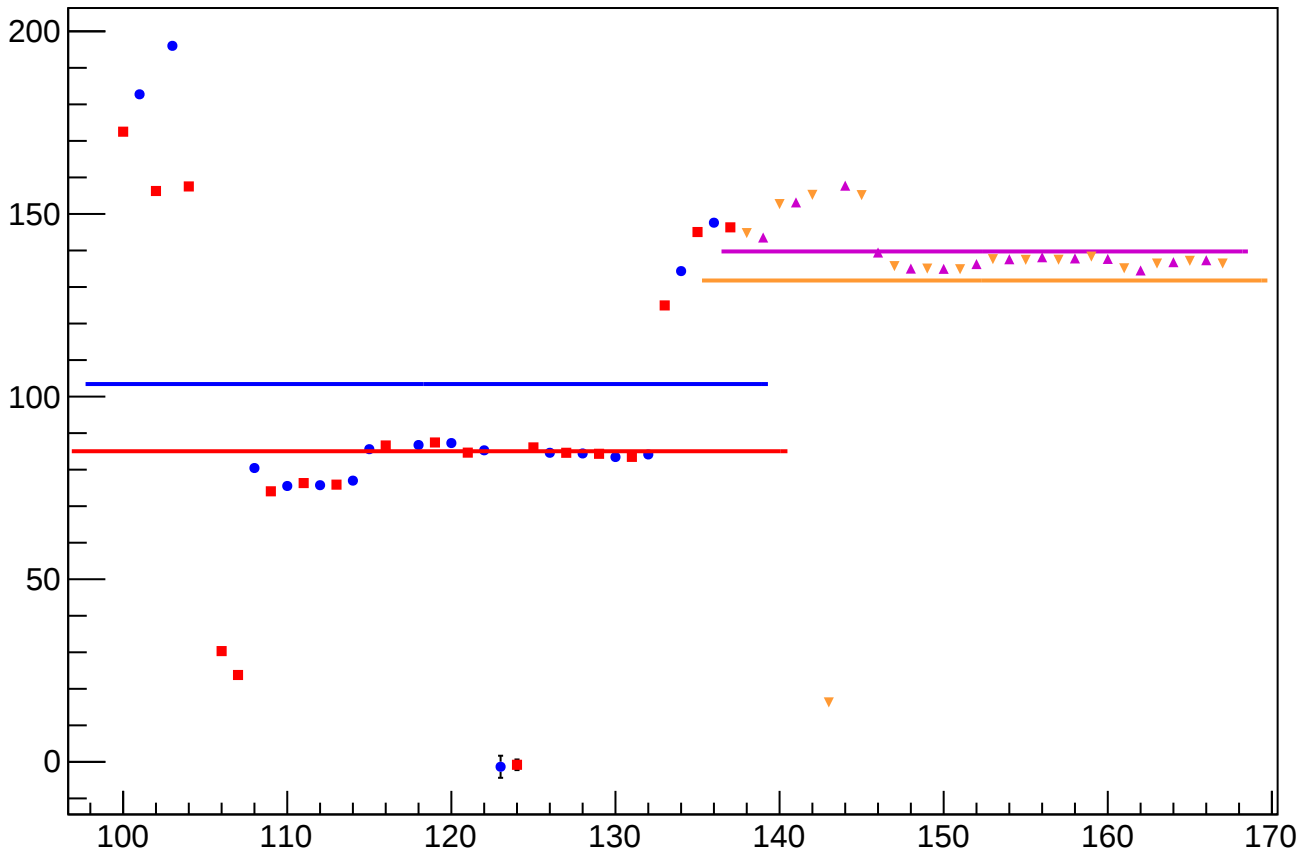
Left In: -79.985 ± 1.170 χ^2/NDF : 181.9/13

+ sign -76.764 ± 0.771 χ^2/NDF : 1301.7/32

All: -76.332 ± 0.549 χ^2/NDF : 2112.3/65

- sign -75.887 ± 0.782 χ^2/NDF : 809.9/32

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 131.784 $\pm$ 0.054 χ^2 /NDF: 346073.2/15

Right Out: 85.043 $\pm$ 0.064 χ^2 /NDF: 422343.0/18

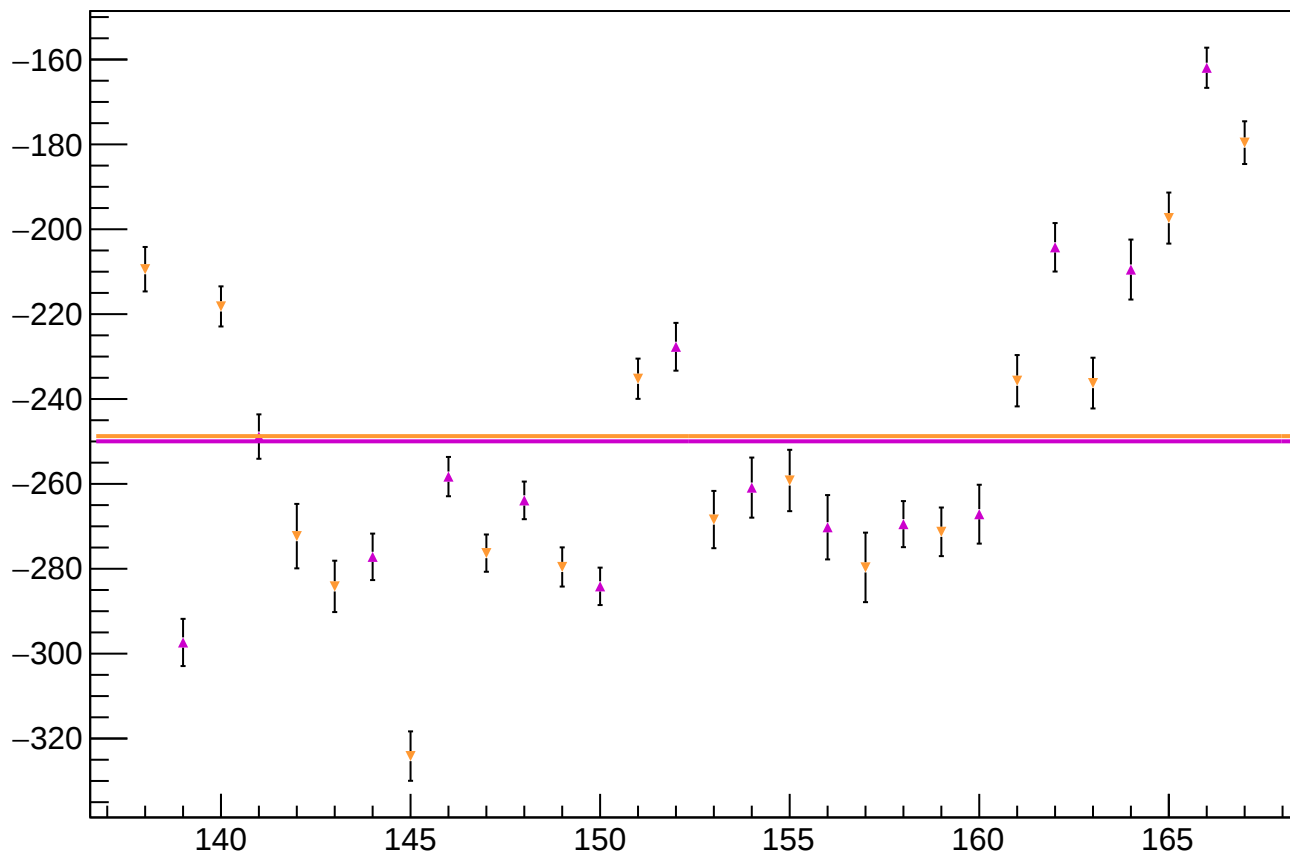
Left In: 139.735 $\pm$ 0.056 χ^2 /NDF: 13450.1/13

+ sign 121.422 $\pm$ 0.043 χ^2 /NDF: 720348.6/32

All: 118.599 $\pm$ 0.030 χ^2 /NDF: 1579707.2/65

- sign 115.874 $\pm$ 0.042 χ^2 /NDF: 850828.8/32

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

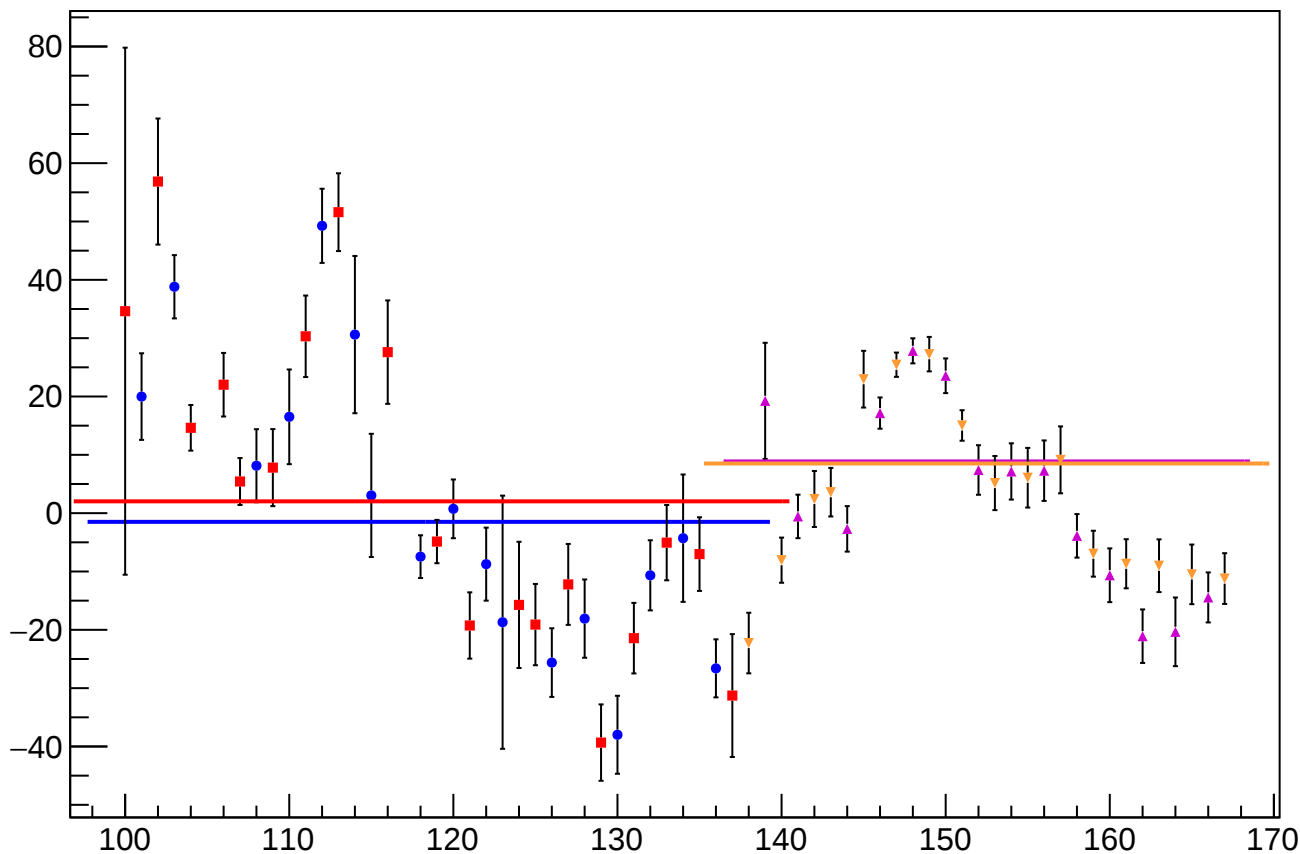
Left In: -249.973+/-1.459 χ^2/NDF : 657.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -249.334+/-1.011 χ^2/NDF : 1370.3/29

- 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 $\chi^2/\text{NDF}: 233.3/18$

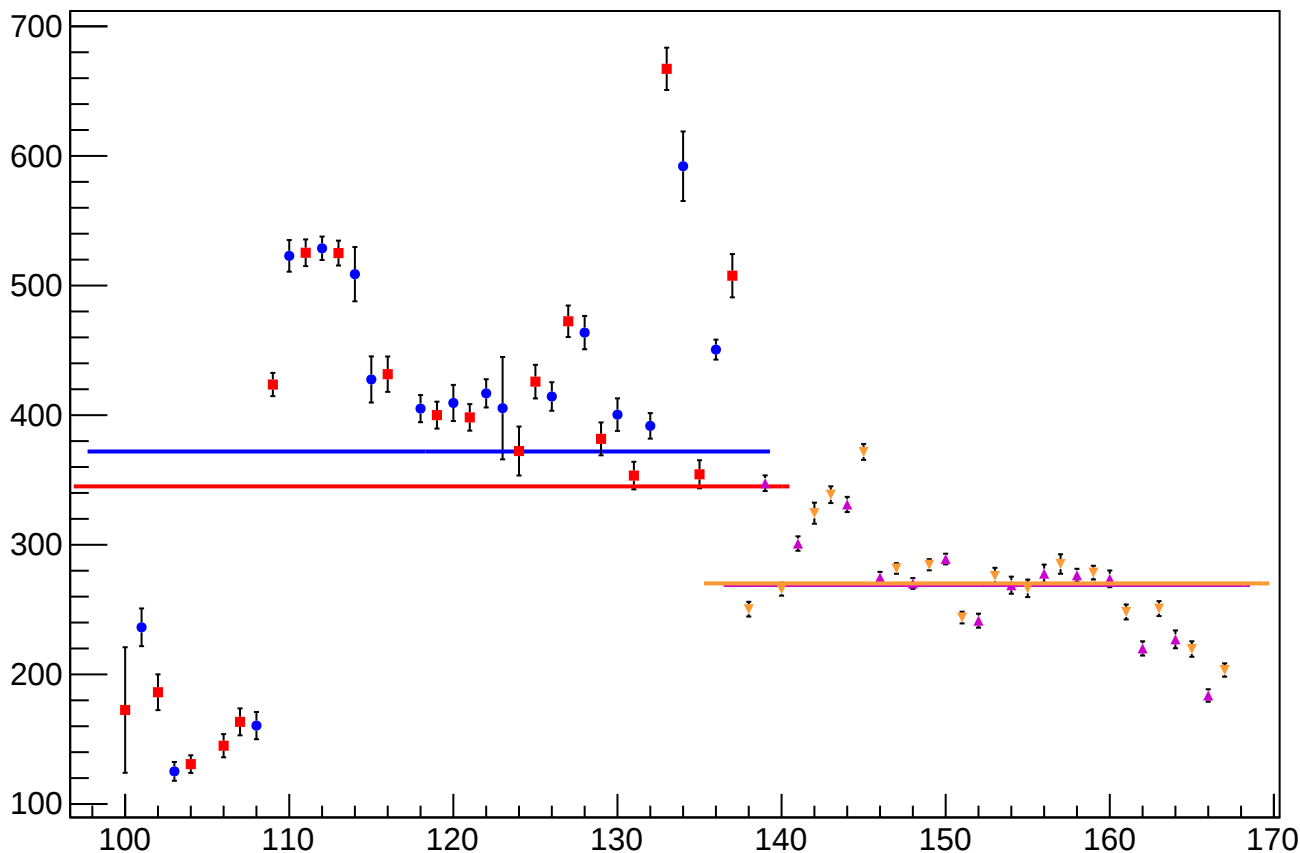
Left In: 8.867 ± 0.999 $\chi^2/\text{NDF}: 254.8/13$

+ sign 5.757 ± 0.806 $\chi^2/\text{NDF}: 516.9/32$

All: 6.155 ± 0.572 $\chi^2/\text{NDF}: 1021.3/65$

- sign 6.559 ± 0.813 $\chi^2/\text{NDF}: 503.9/32$

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

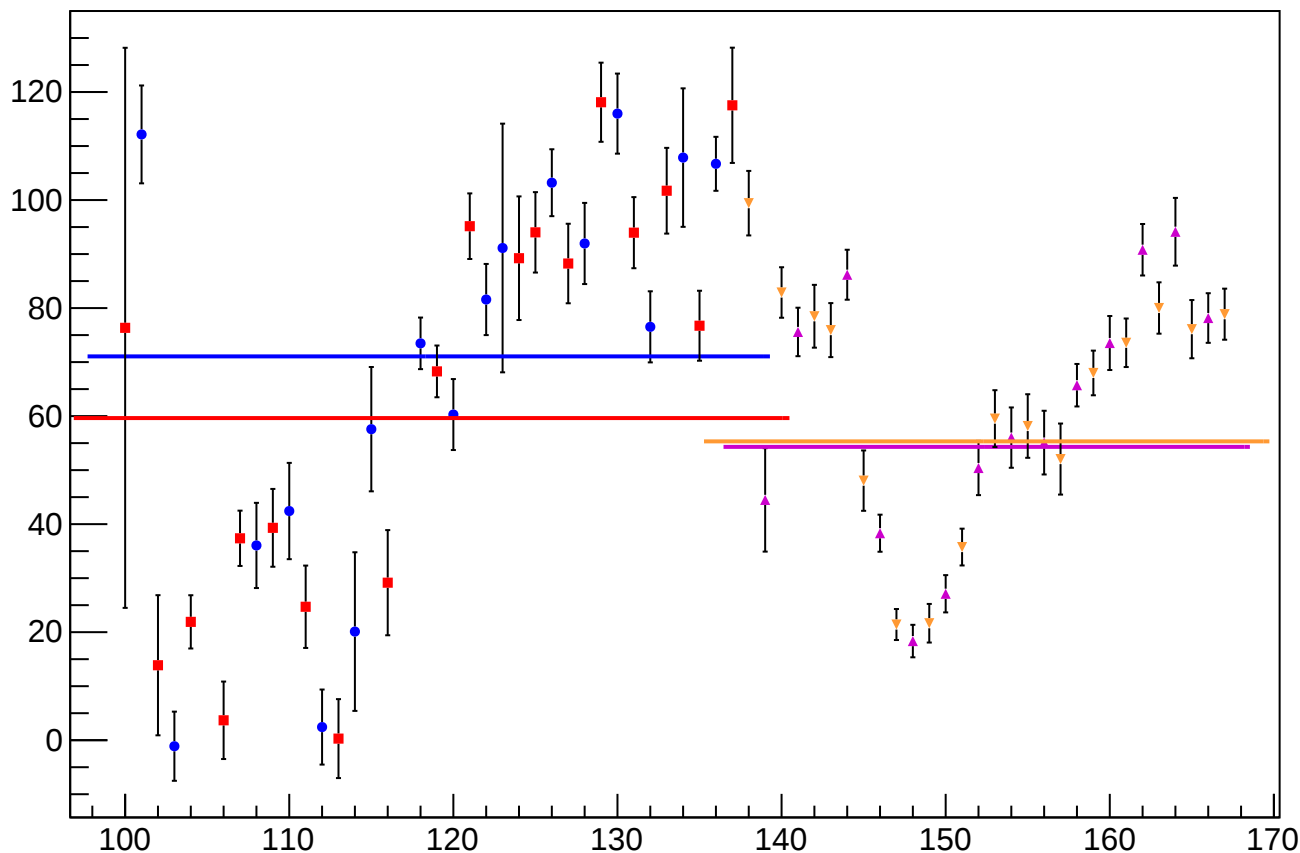
Left In: 269.010 $\pm$ 1.420 χ^2 /NDF: 799.9/13

+ sign 290.360 $\pm$ 1.236 χ^2 /NDF: 4280.8/32

All: 288.632 $\pm$ 0.876 χ^2 /NDF: 9173.4/65

- sign 286.886 $\pm$ 1.242 χ^2 /NDF: 4888.7/32

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

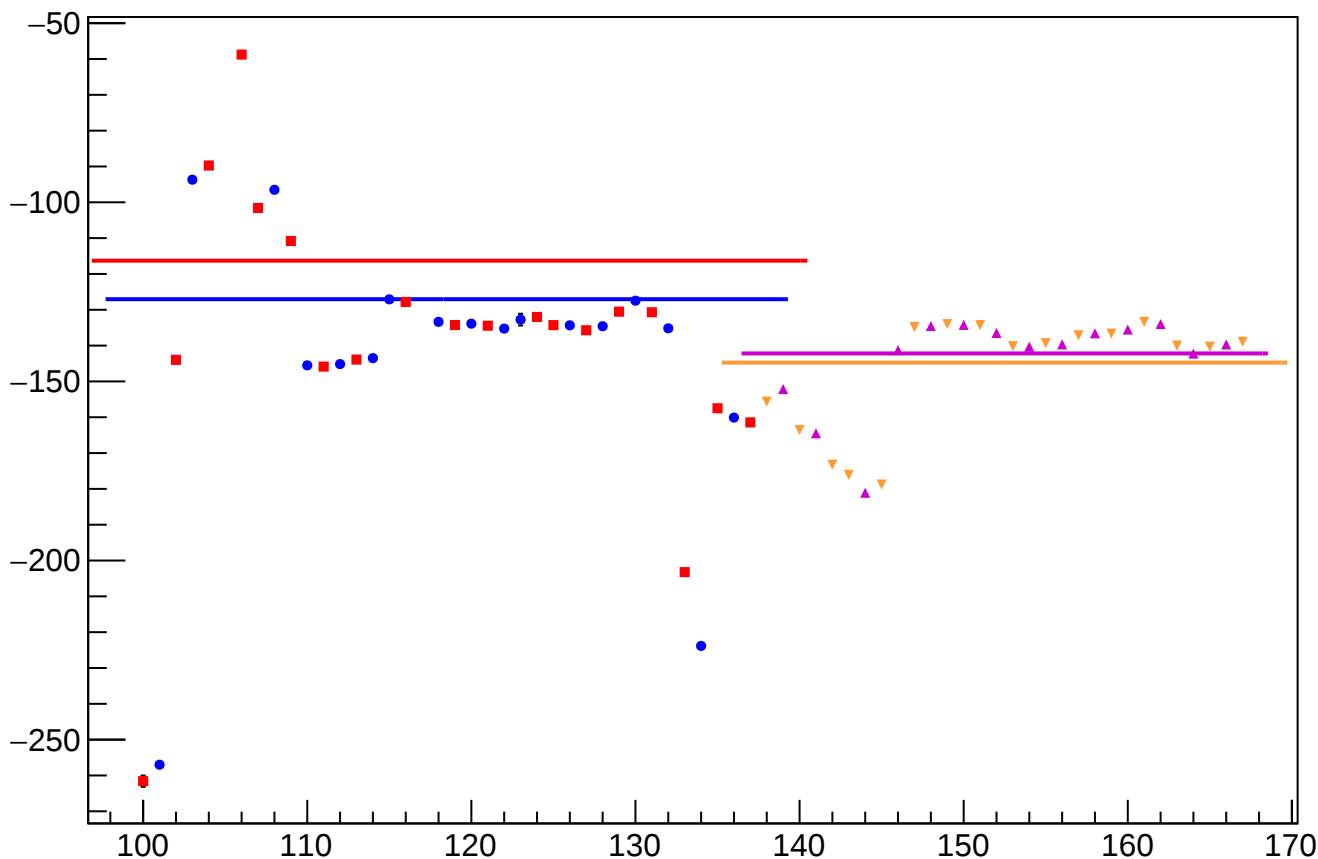
Left In: 54.306 $\pm$ 1.188 χ^2 /NDF:447.6/13

+ sign 59.910 $\pm$ 0.953 χ^2 /NDF: 961.4/32

All: 58.047 $\pm$ 0.676 χ^2 /NDF: 1915.3/65

- sign 56.154 $\pm$ 0.960 χ^2 /NDF: 946.2/32

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 $\pm$ 0.090 χ^2 /NDF: 167014.4/16

Left Out: -144.748 $\pm$ 0.056 χ^2 /NDF: 68504.6/15

Right Out: -116.295 $\pm$ 0.083 χ^2 /NDF: 167109.1/18

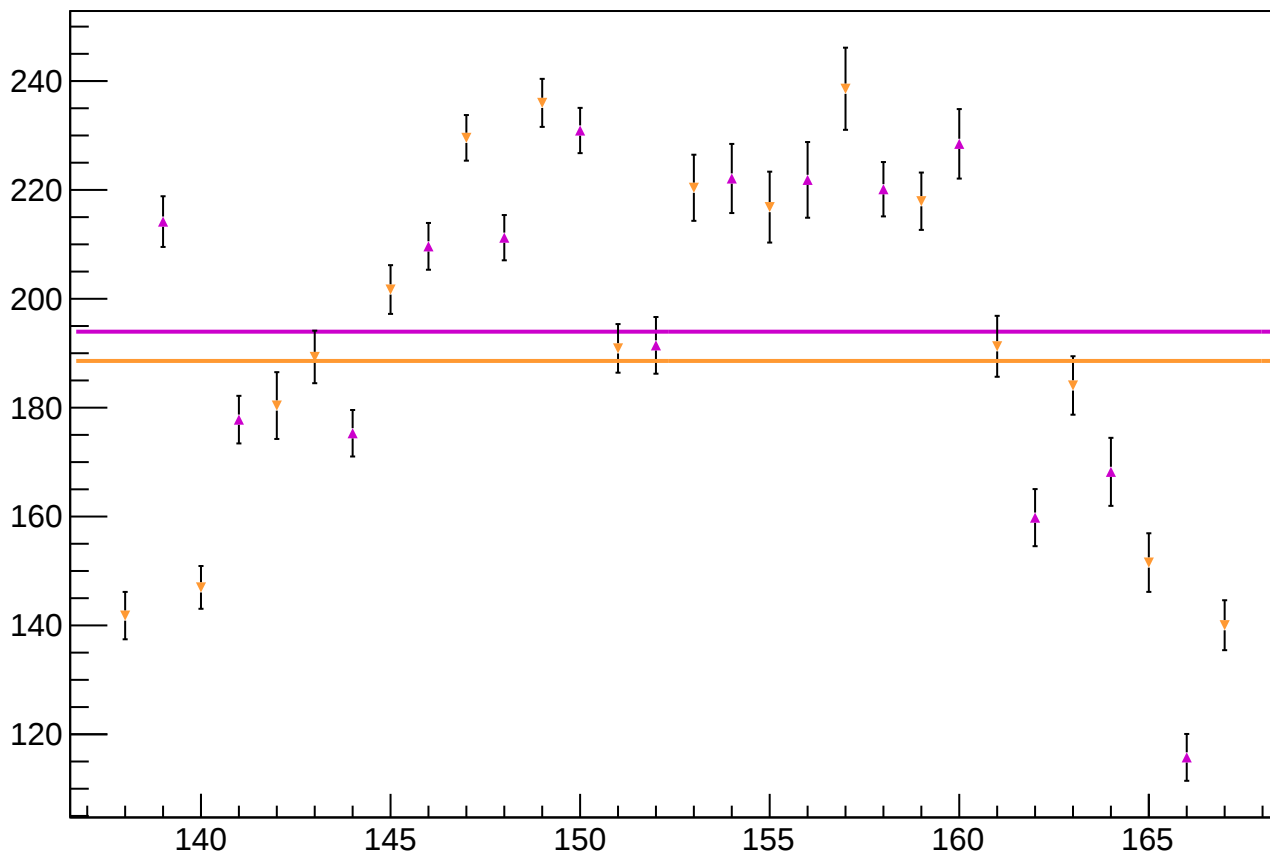
Left In: -142.193 $\pm$ 0.057 χ^2 /NDF: 43206.2/13

+ sign -139.849 $\pm$ 0.047 χ^2 /NDF: 263627.9/32

All: -136.853 $\pm$ 0.033 χ^2 /NDF: 548107.5/65

- sign -133.886 $\pm$ 0.047 χ^2 /NDF: 276469.4/32

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

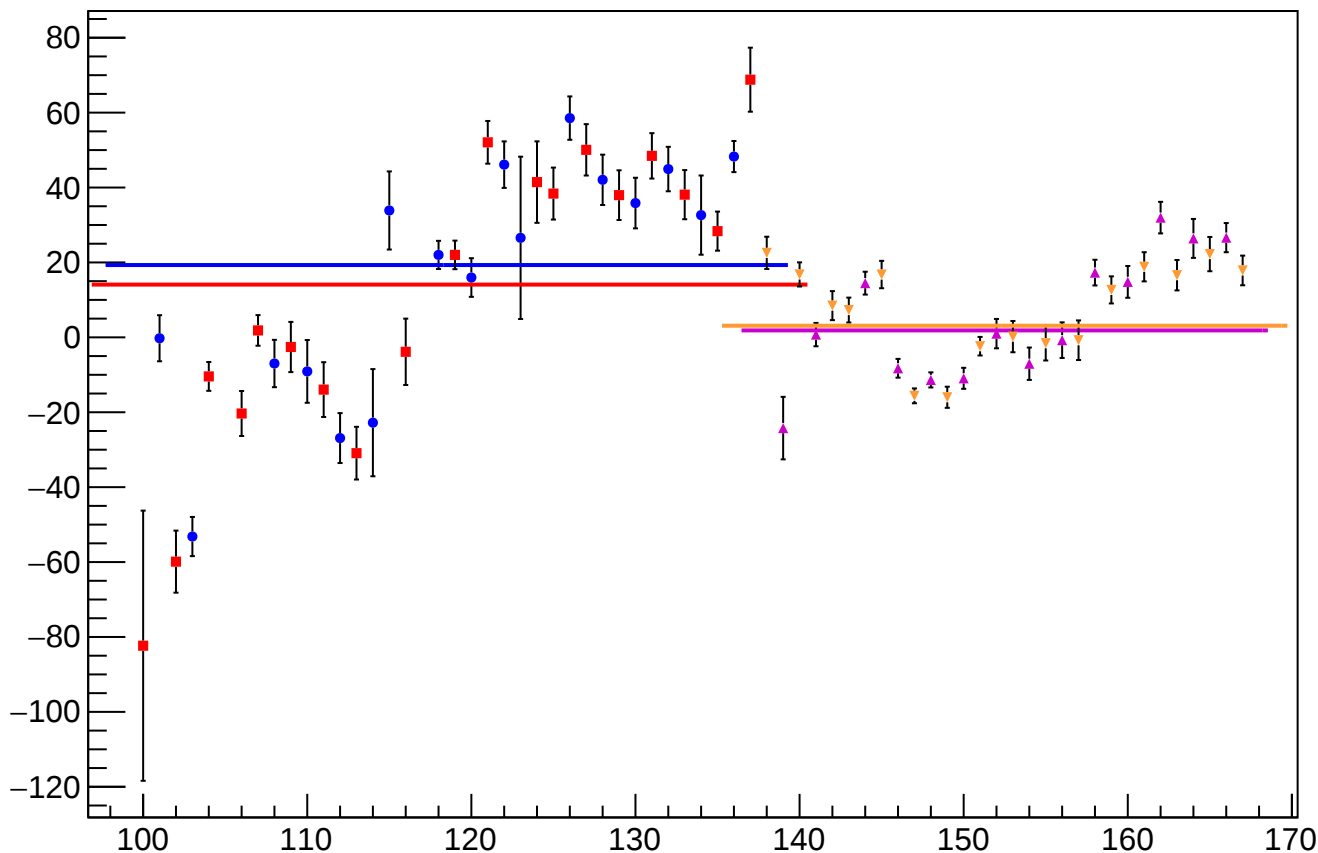
Left In: 193.960+/-1.306 χ^2/NDF : 643.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 191.136+/-0.900 χ^2/NDF : 1383.4/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 3.109 ± 0.852 χ^2/NDF : 263.3/15

Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

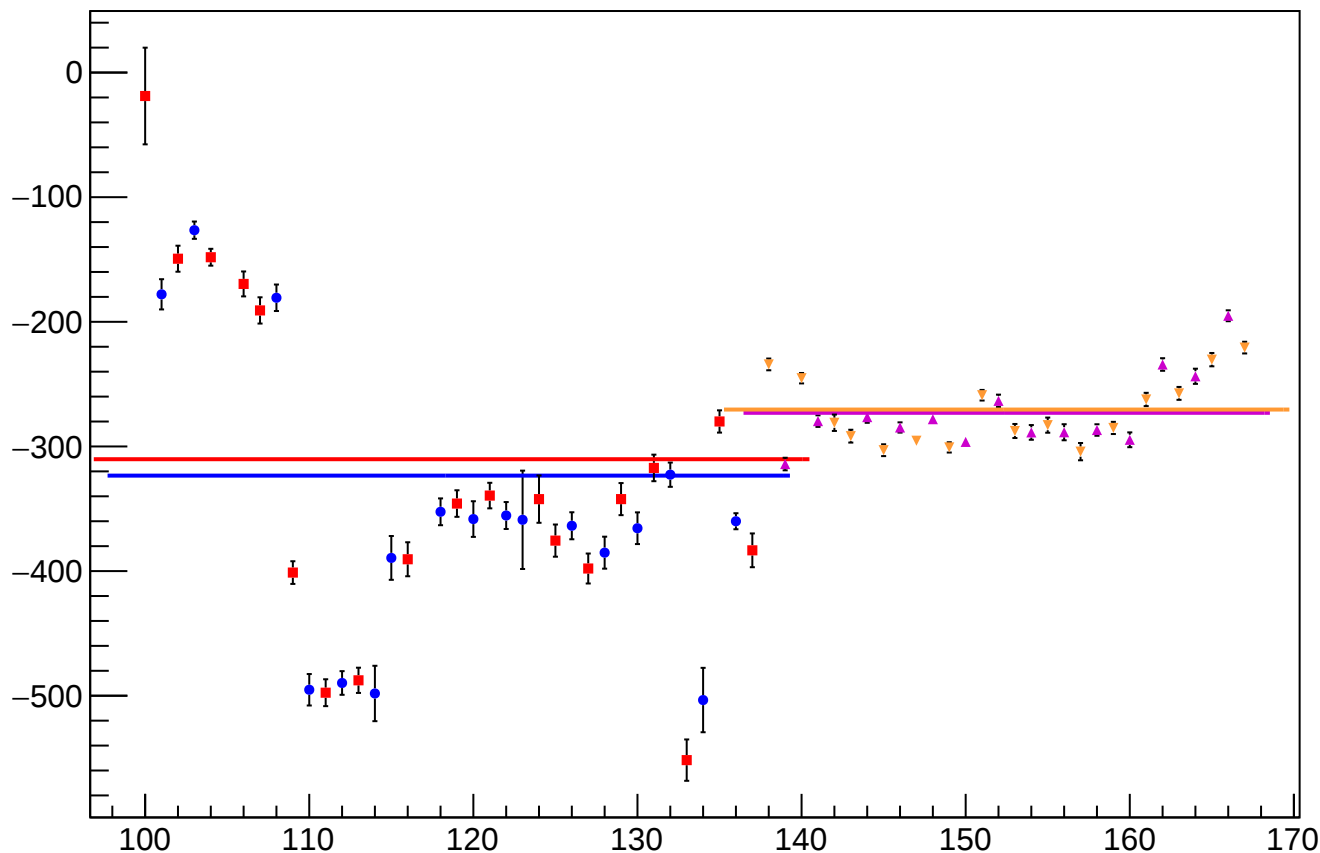
Left In: 1.851 ± 0.906 χ^2/NDF : 255.0/13

+ sign 7.056 ± 0.741 χ^2/NDF : 792.7/32

All: 6.295 ± 0.530 χ^2/NDF : 1541.2/65

- sign 5.497 ± 0.759 χ^2/NDF : 746.3/32

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 χ^2/NDF : 1849.6/16

Left Out: -270.391 ± 1.230 χ^2/NDF : 487.3/15

Right Out: -310.236 ± 2.523 χ^2/NDF : 2298.8/18

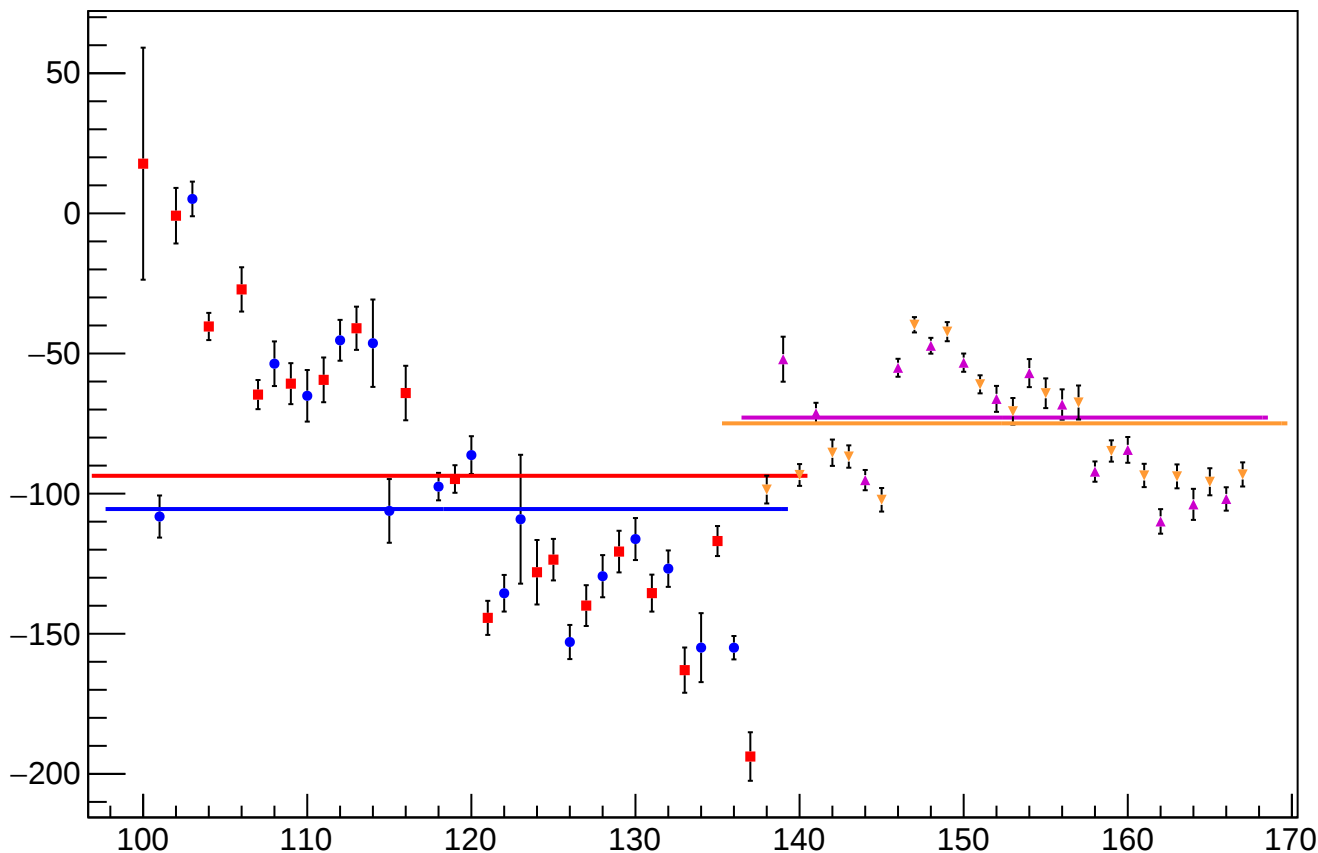
Left In: -273.006 ± 1.279 χ^2/NDF : 551.9/13

+ sign -279.597 ± 1.119 χ^2/NDF : 2659.3/32

All: -280.096 ± 0.799 χ^2/NDF : 5683.6/65

- sign -280.615 ± 1.141 χ^2/NDF : 3023.9/32

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

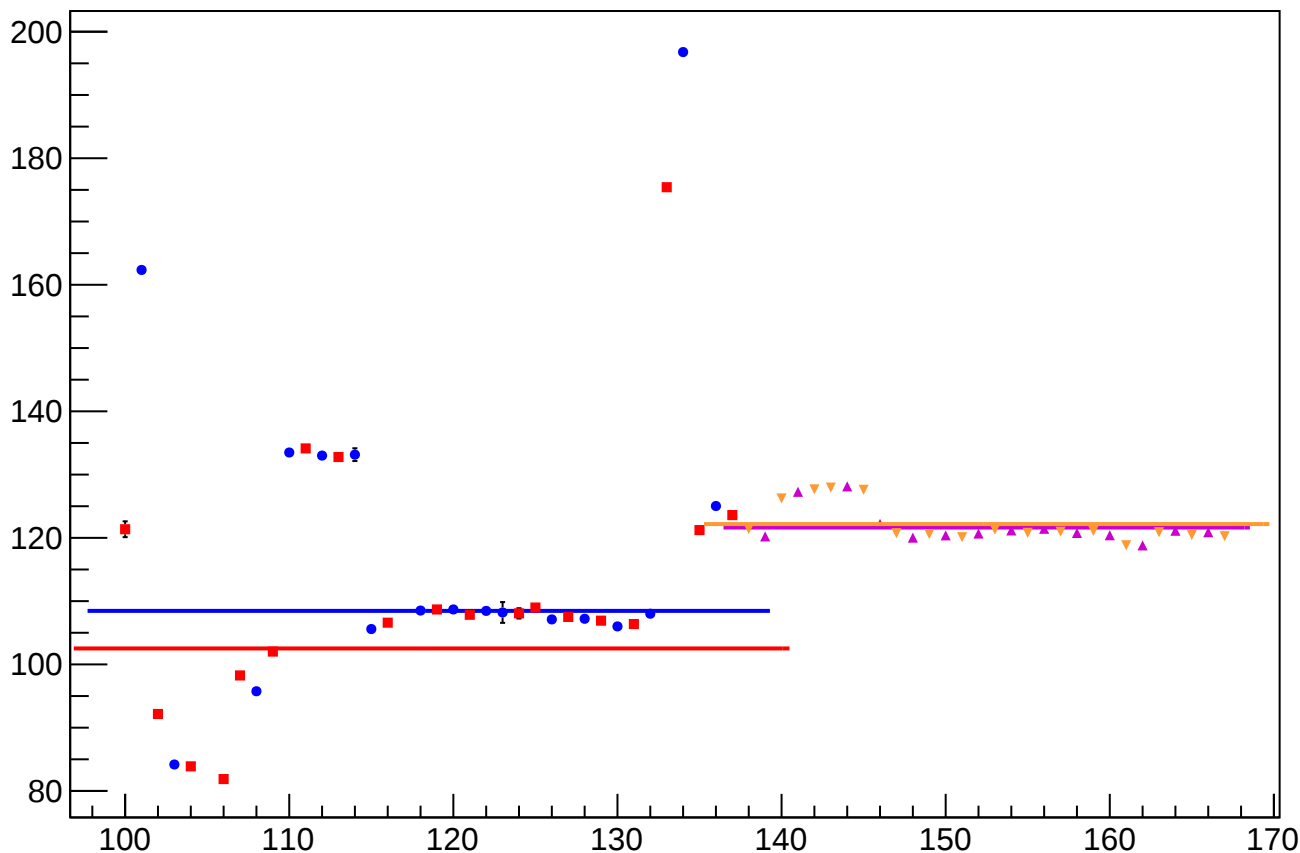
Left In: -72.860 ± 1.074 χ^2/NDF : 393.3/13

+ sign -82.860 ± 0.872 χ^2/NDF : 1439.5/32

All: -81.102 ± 0.624 χ^2/NDF : 2783.4/65

- sign -79.257 ± 0.893 χ^2/NDF : 1335.6/32

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

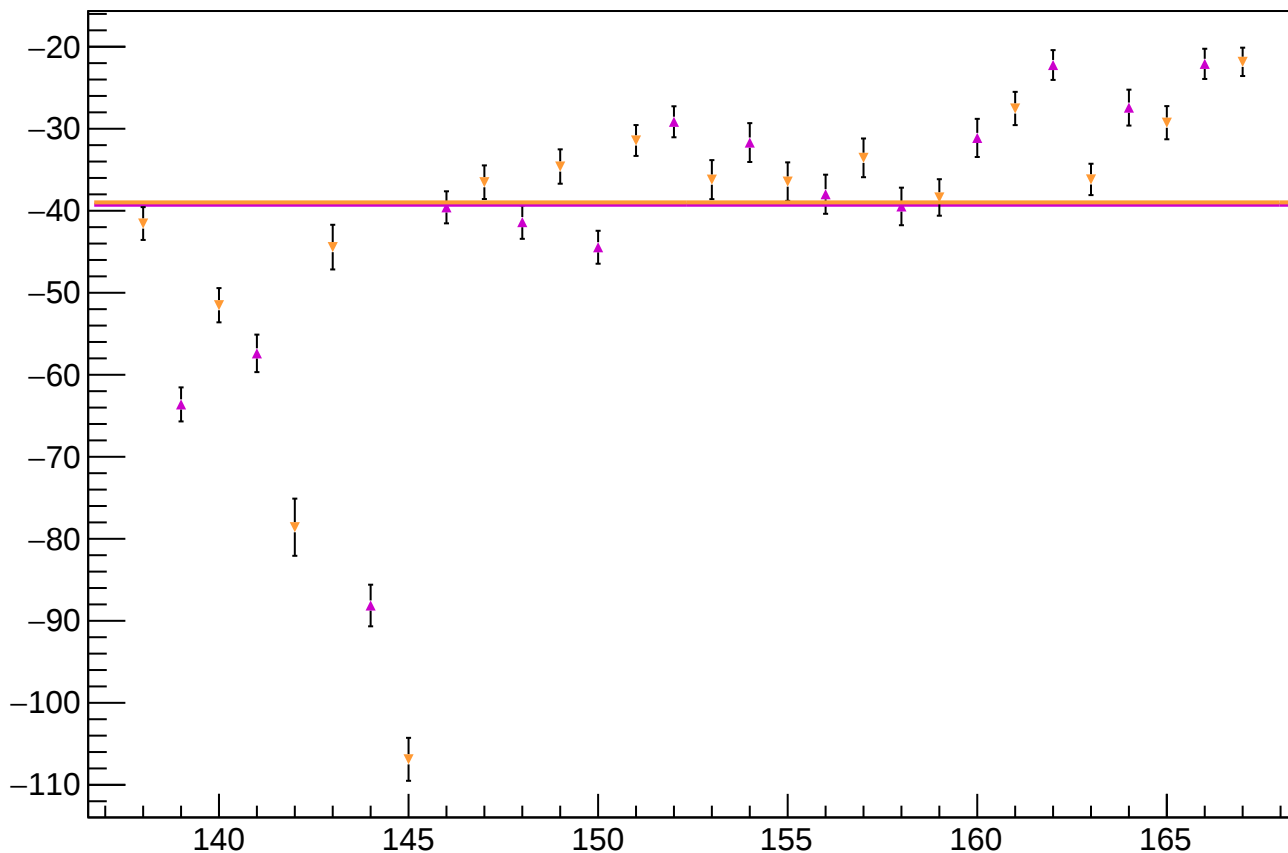
Left In: 121.630 $\pm$ 0.051 χ^2 /NDF:2490.1/13

+ sign 118.716 $\pm$ 0.043 χ^2 /NDF: 96216.5/32

All: 117.379 $\pm$ 0.030 χ^2 /NDF: 194428.1/65

- sign 116.017 $\pm$ 0.043 χ^2 /NDF: 96234.1/32

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

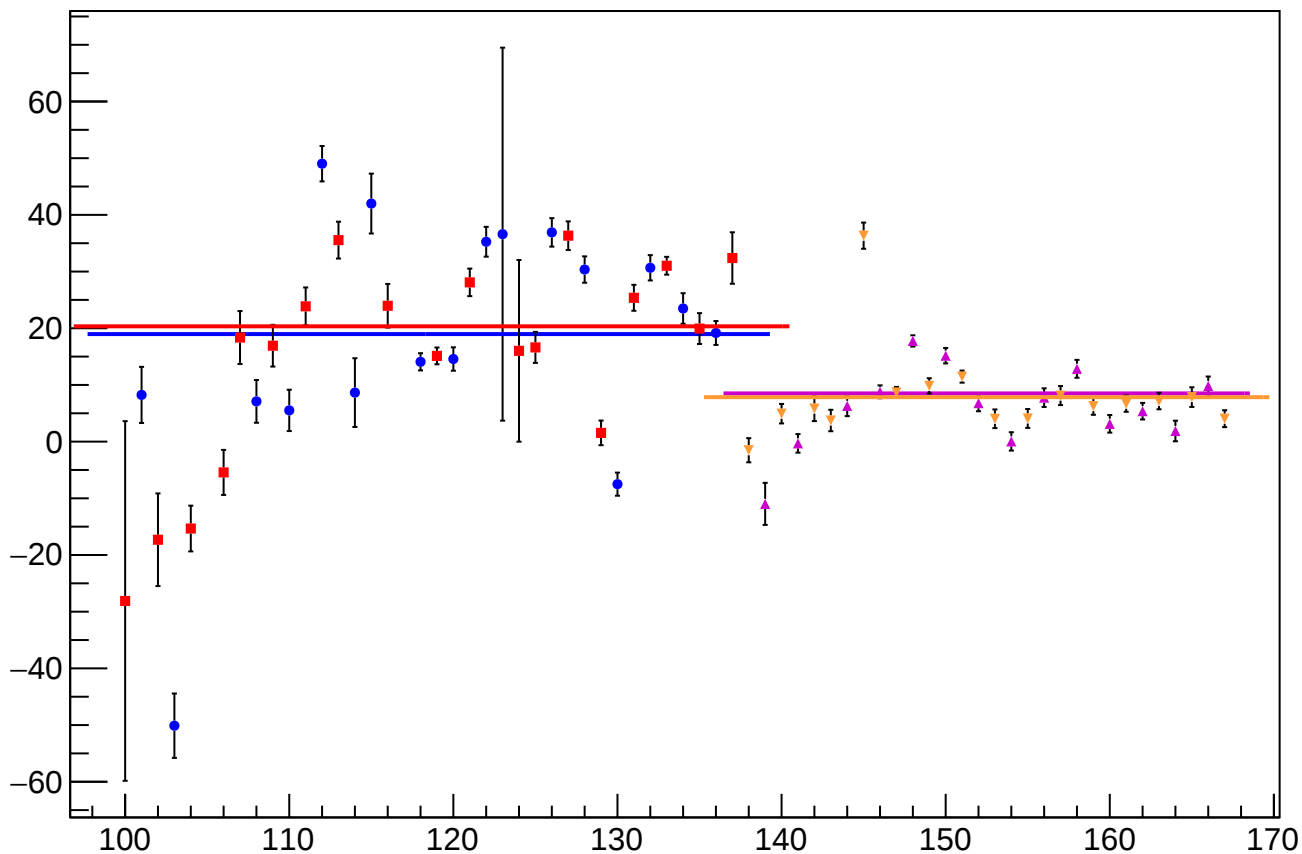
Left In: -39.267+/-0.564 χ^2/NDF :834.5/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -39.116+/-0.390 χ^2/NDF : 1863.0/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 $\pm$ 0.653 χ^2 /NDF: 618.4/16

Left Out: 7.840 $\pm$ 0.379 χ^2 /NDF: 213.2/15

Right Out: 20.338 $\pm$ 0.642 χ^2 /NDF: 366.4/18

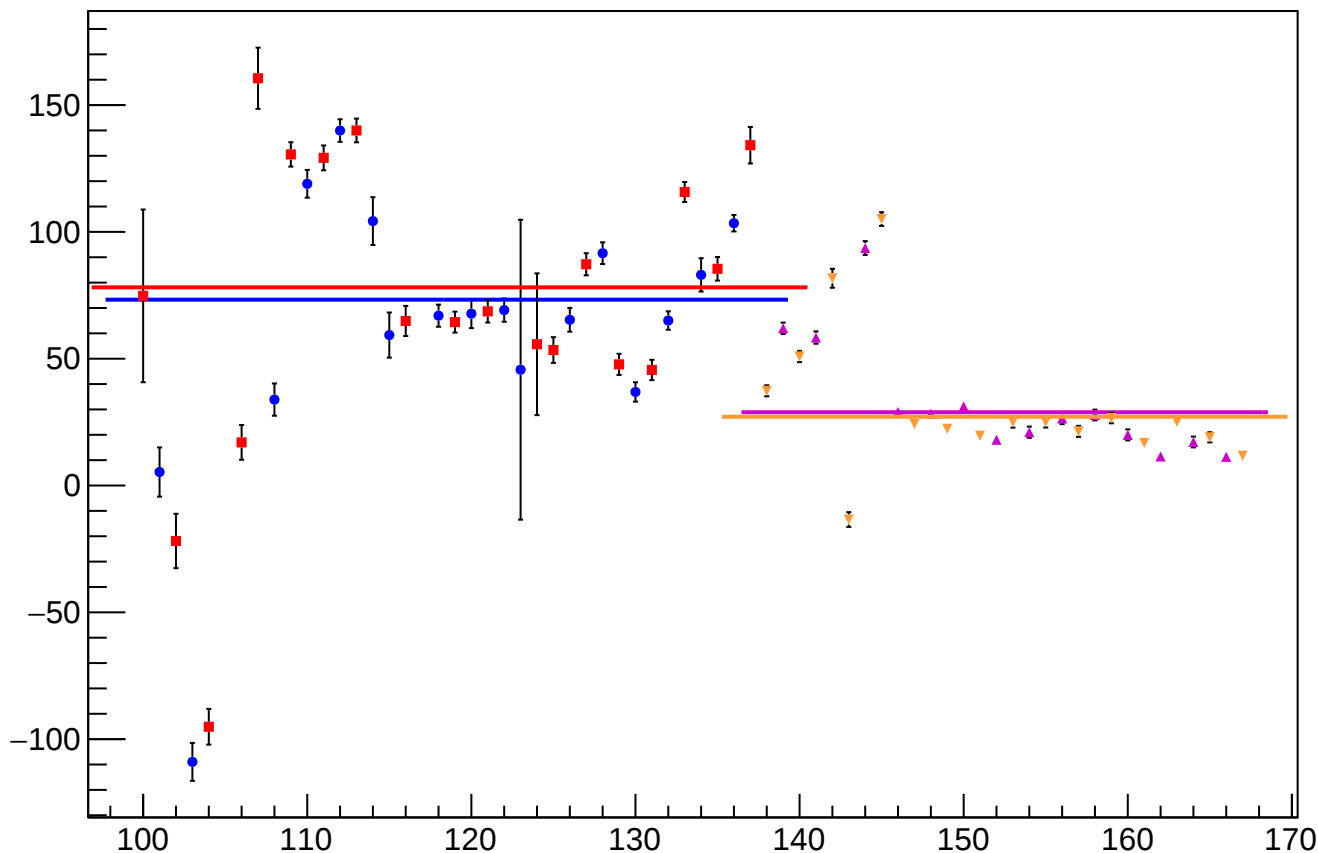
Left In: 8.505 $\pm$ 0.400 χ^2 /NDF: 236.0/13

+ sign 10.643 $\pm$ 0.328 χ^2 /NDF: 1048.9/32

All: 11.205 $\pm$ 0.236 χ^2 /NDF: 1902.2/65

- sign 11.809 $\pm$ 0.339 χ^2 /NDF: 847.1/32

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

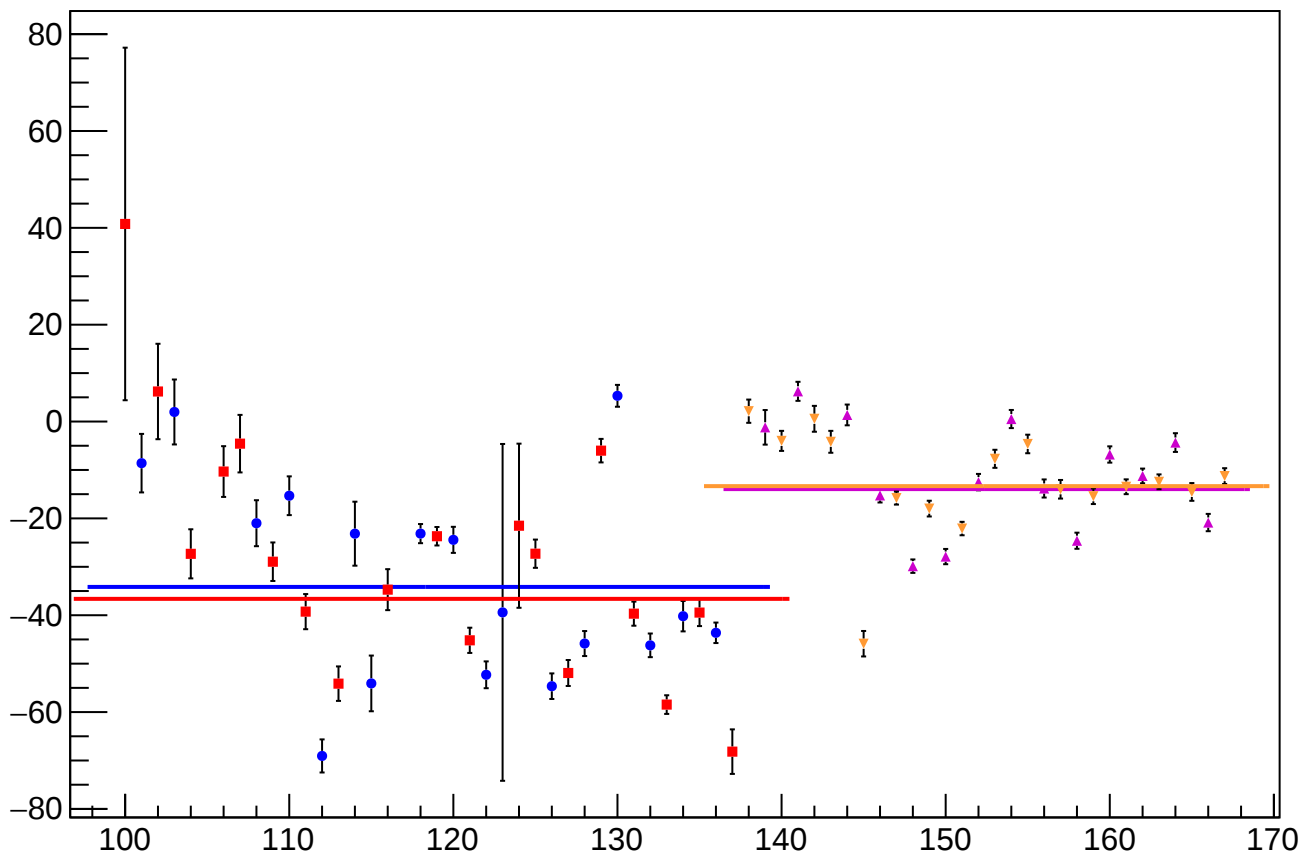
Left In: 28.884 $\pm$ 0.548 χ^2 /NDF:1218.6/13

+ sign 34.268 $\pm$ 0.487 χ^2 /NDF: 3907.5/32

All: 35.657 $\pm$ 0.349 χ^2 /NDF: 8037.3/65

- sign 37.124 $\pm$ 0.500 χ^2 /NDF: 4113.0/32

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

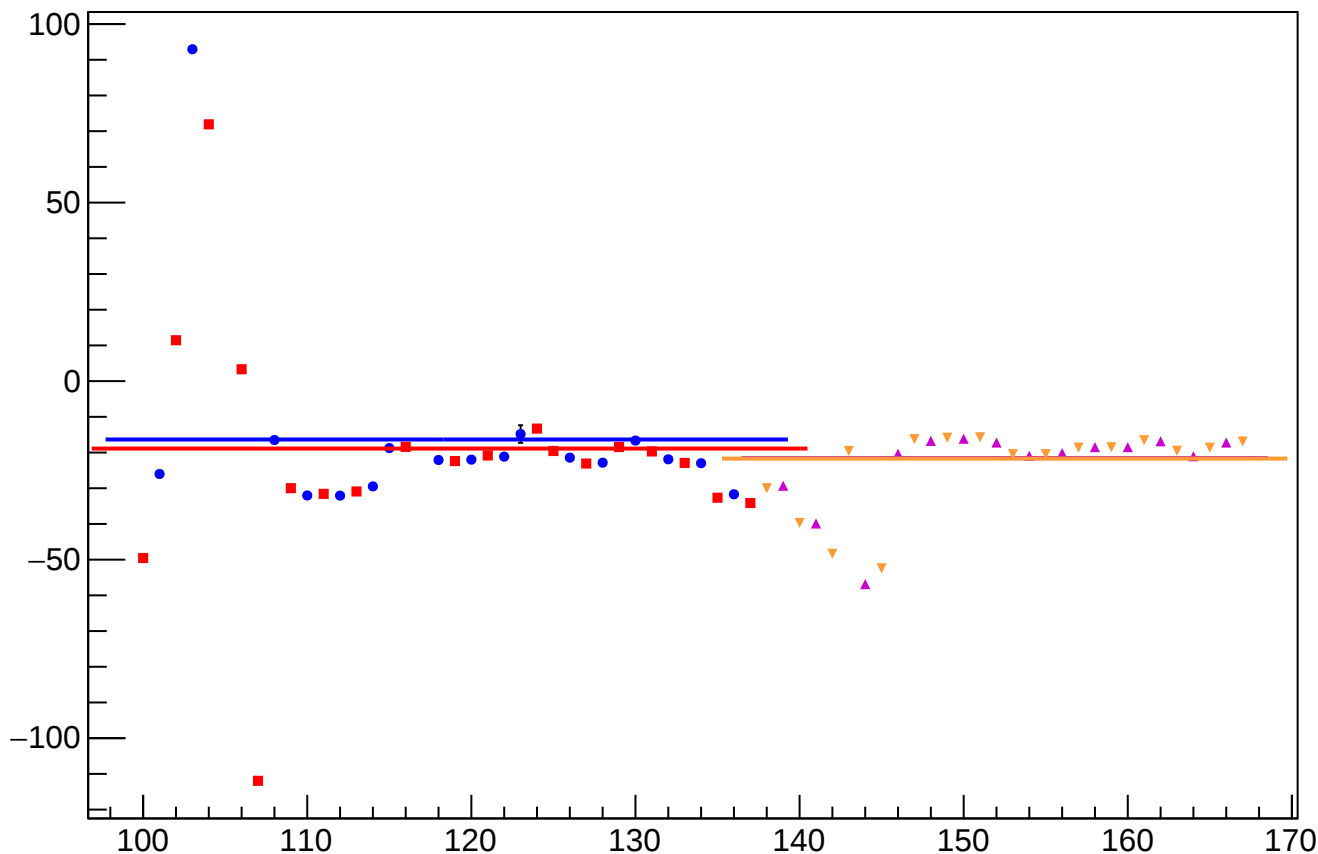
Left In: -13.951 ± 0.467 χ^2/NDF : 542.0/13

+ sign -18.784 ± 0.381 χ^2/NDF : 1637.8/32

All: -19.590 ± 0.274 χ^2/NDF : 3413.0/65

- sign -20.452 ± 0.394 χ^2/NDF : 1765.9/32

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 $\chi^2/\text{NDF}: 433793.7/18$

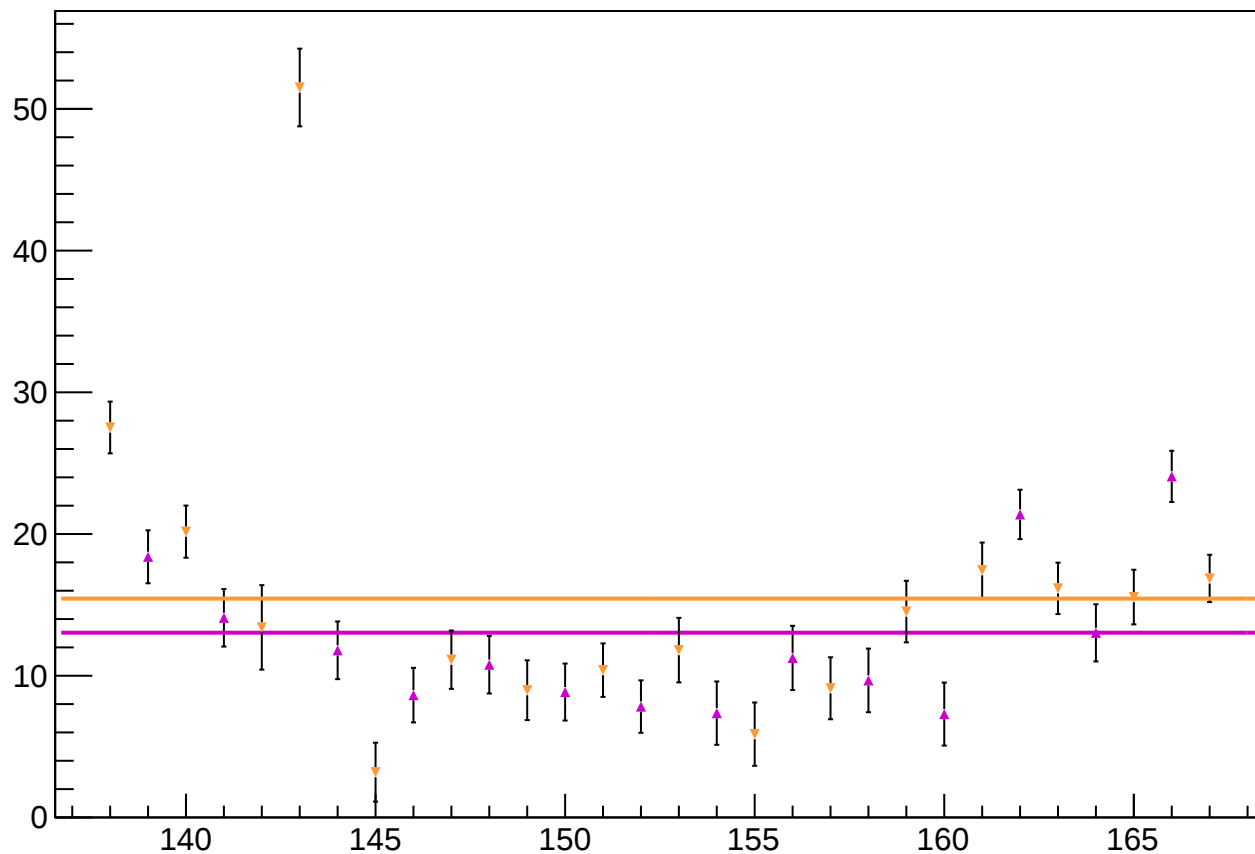
Left In: -21.554 ± 0.022 $\chi^2/\text{NDF}: 155317.8/13$

+ sign -20.738 ± 0.019 $\chi^2/\text{NDF}: 674689.7/32$

All: -20.893 ± 0.014 $\chi^2/\text{NDF}: 1266762.8/65$

- sign -21.058 ± 0.020 $\chi^2/\text{NDF}: 591934.7/32$

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

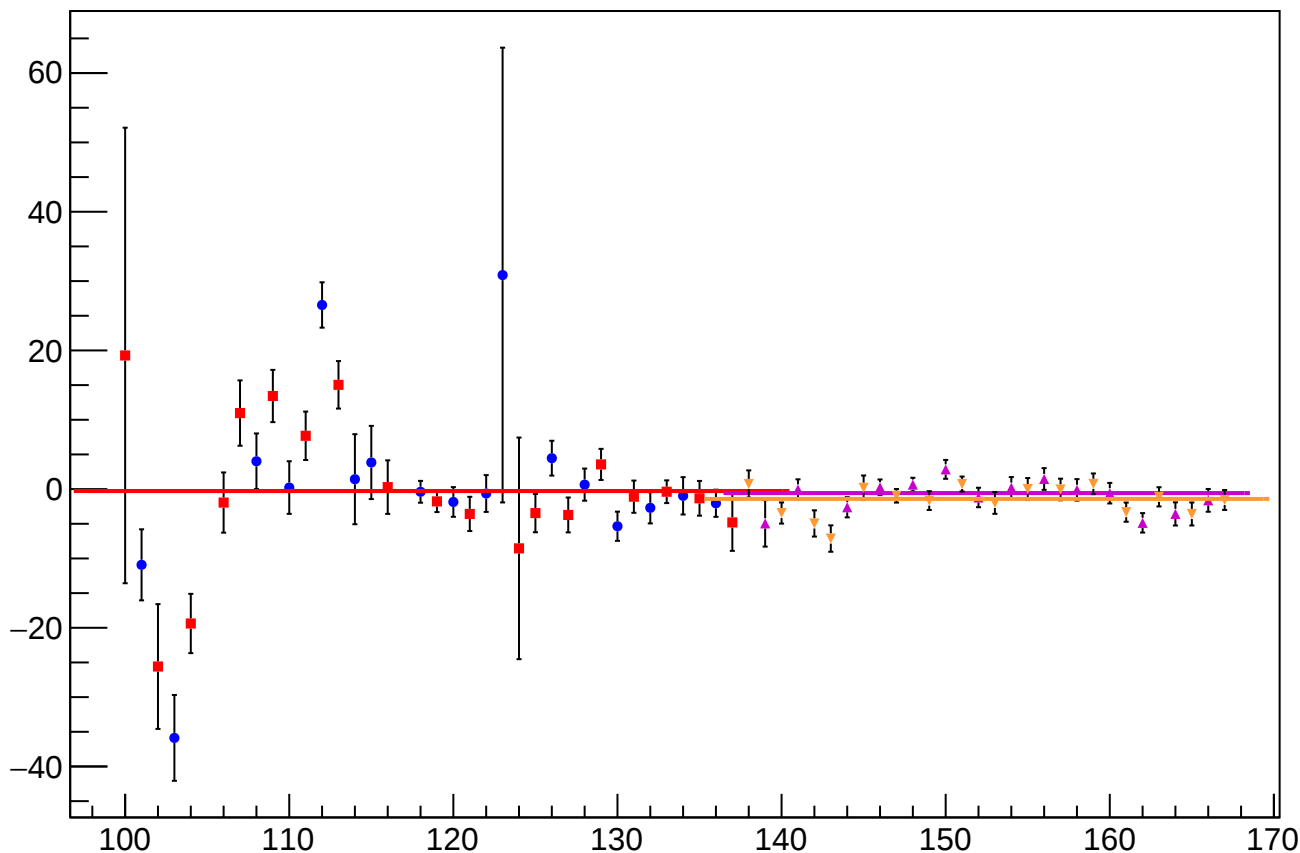
Left In: 13.039+/-0.535 χ^2/NDF :103.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 14.296+/-0.370 χ^2/NDF : 425.2/29

- 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

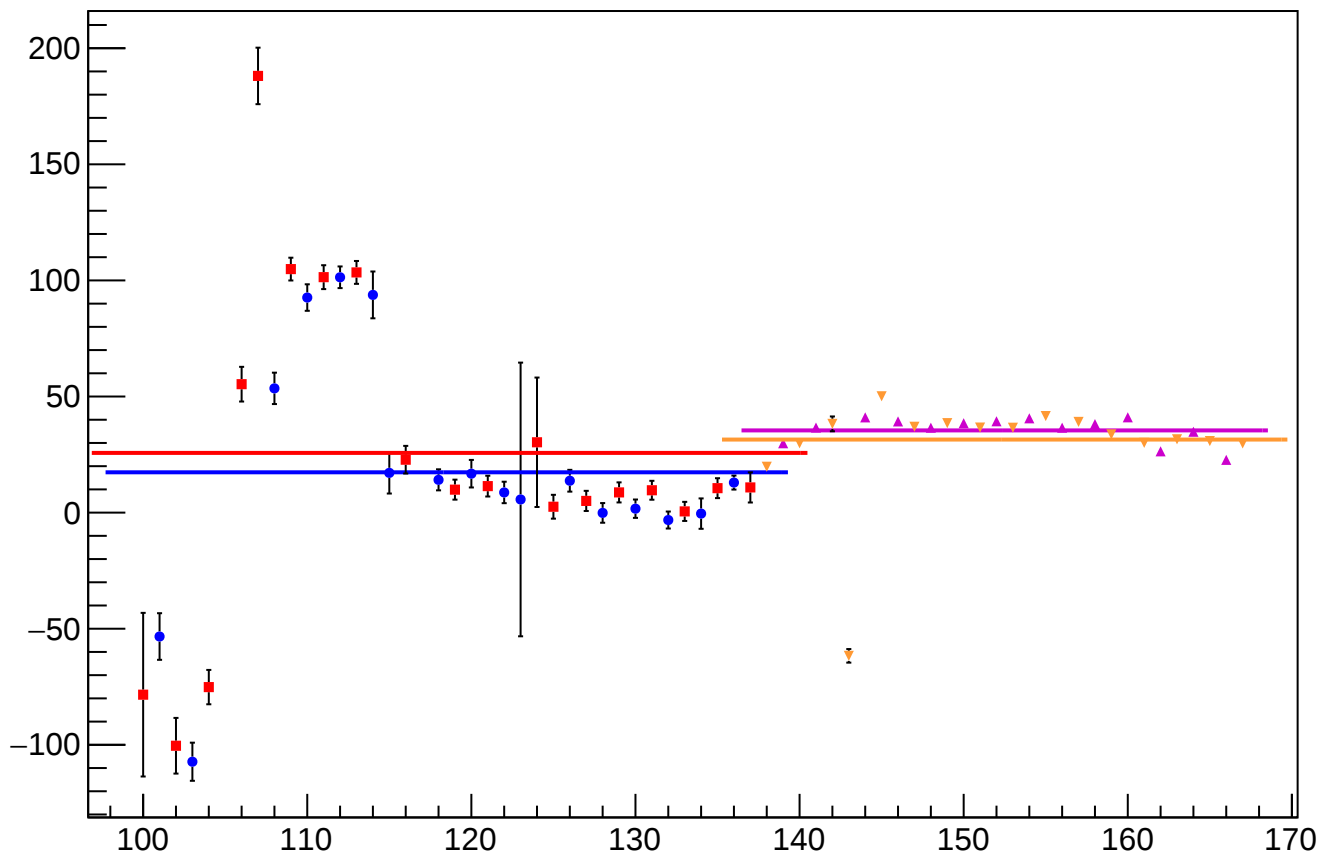
Left In: -0.569 ± 0.383 χ^2/NDF : 27.4/13

+ sign -1.152 ± 0.319 χ^2/NDF : 149.9/32

All: -0.835 ± 0.229 χ^2/NDF : 262.7/65

- sign -0.493 ± 0.331 χ^2/NDF : 110.8/32

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 31.462 ± 0.503 $\chi^2/\text{NDF}: 1202.1/15$

Right Out: 25.717 ± 1.243 $\chi^2/\text{NDF}: 1378.8/18$

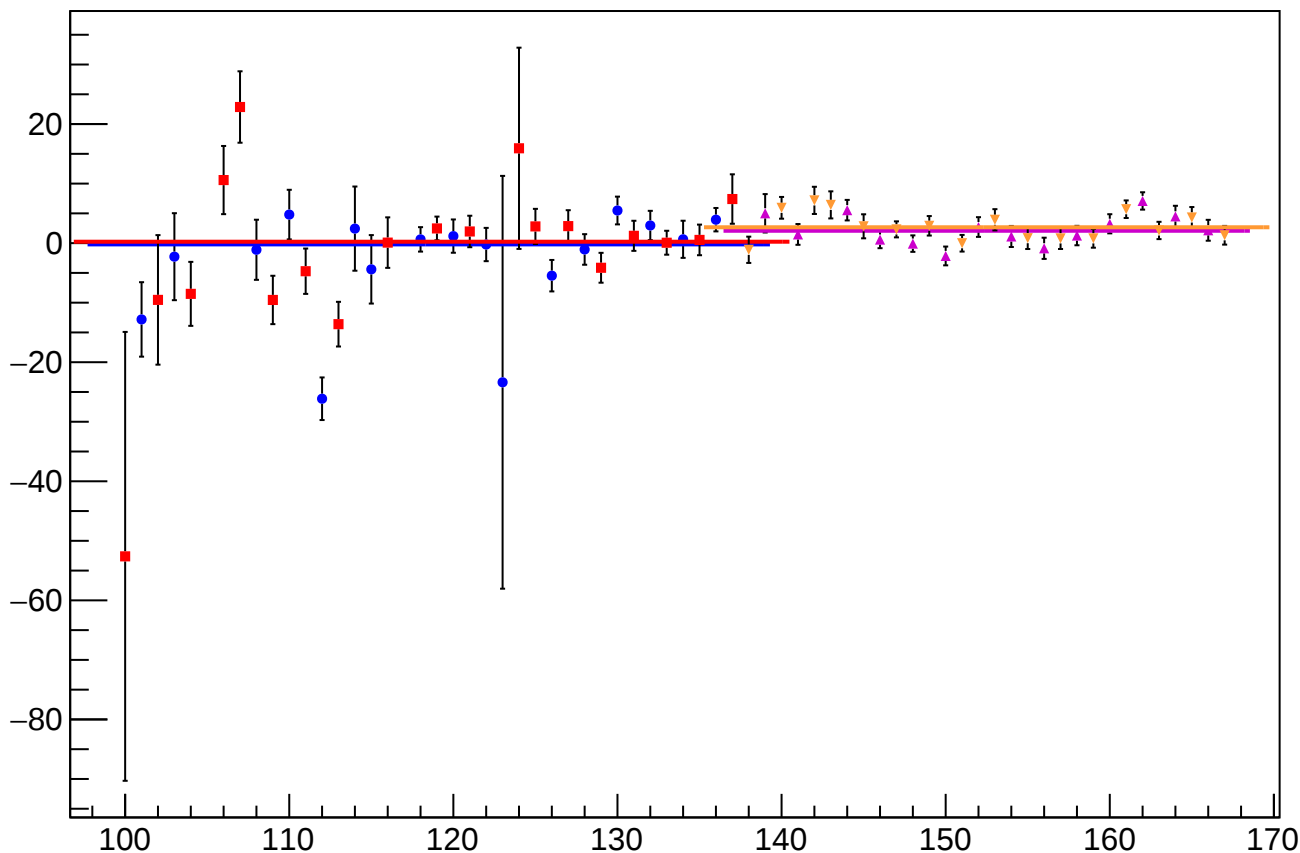
Left In: 35.408 ± 0.522 $\chi^2/\text{NDF}: 119.1/13$

+ sign 29.487 ± 0.467 $\chi^2/\text{NDF}: 2255.1/32$

All: 31.654 ± 0.335 $\chi^2/\text{NDF}: 3849.1/65$

- sign 33.957 ± 0.481 $\chi^2/\text{NDF}: 1549.6/32$

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

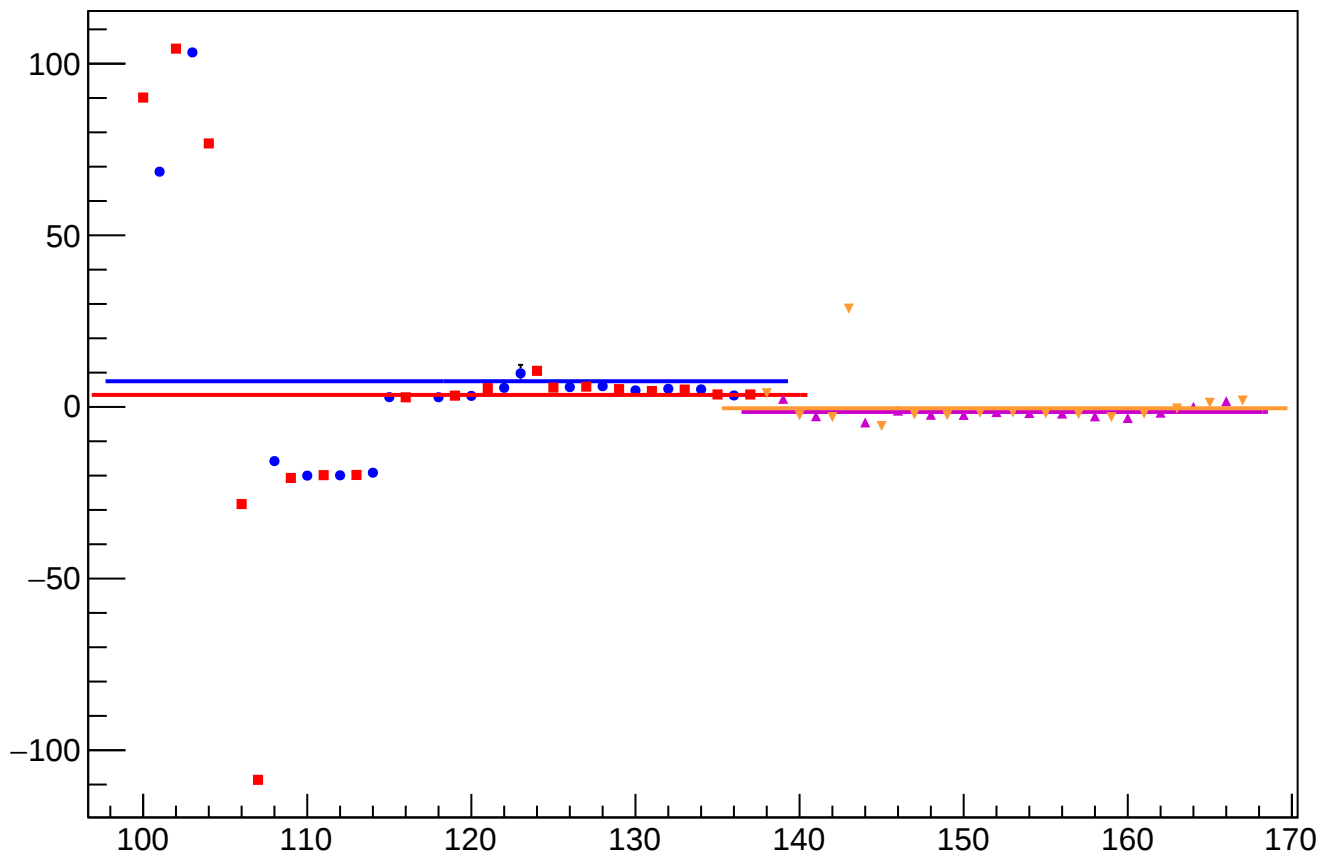
Left In: 2.078 ± 0.446 χ^2/NDF : 33.3/13

+ sign 1.971 ± 0.369 χ^2/NDF : 113.5/32

All: 1.791 ± 0.266 χ^2/NDF : 206.2/65

- sign 1.597 ± 0.383 χ^2/NDF : 92.2/32

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: -0.387 ± 0.020 $\chi^2/\text{NDF}: 75167.1/15$

Right Out: 3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.4/18$

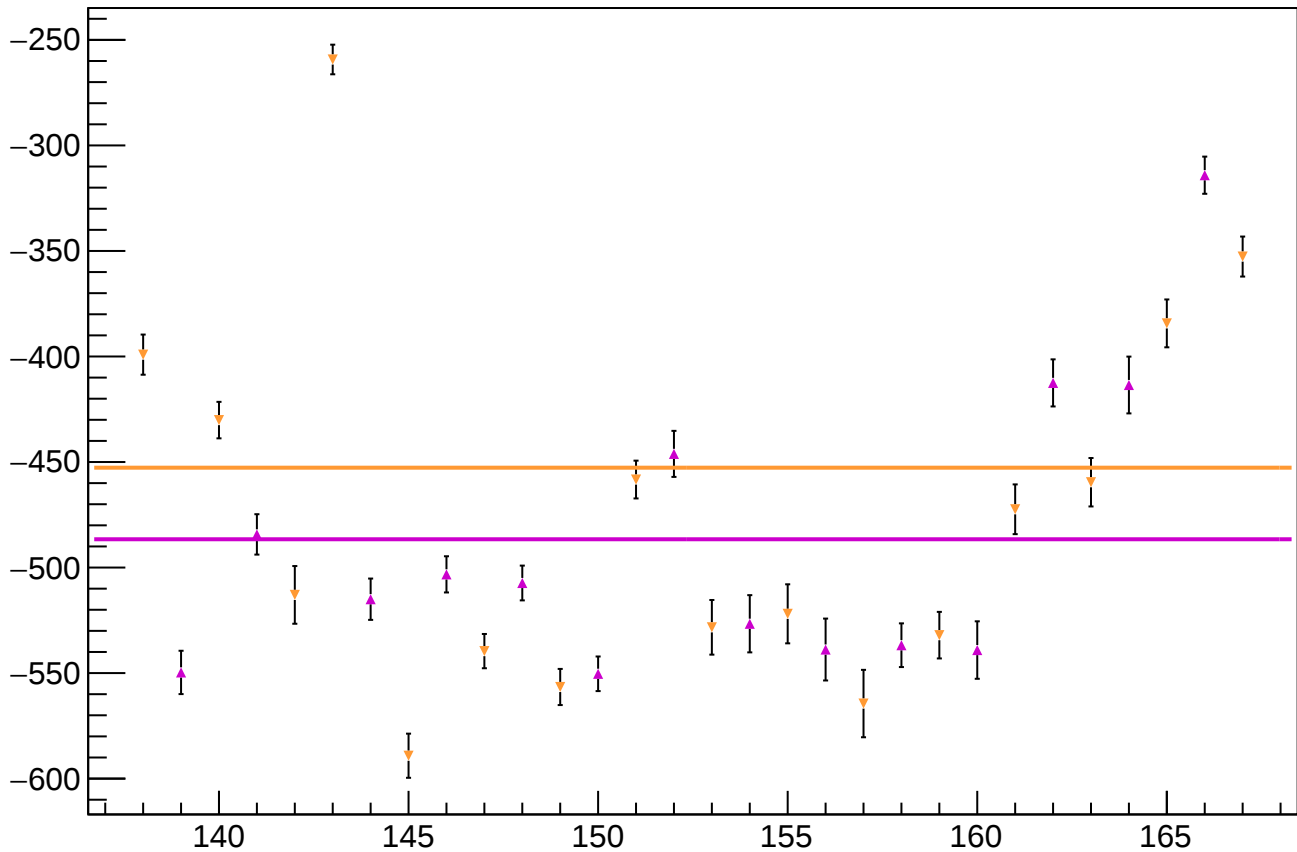
Left In: -1.456 ± 0.021 $\chi^2/\text{NDF}: 7073.9/13$

+ sign 0.904 ± 0.018 $\chi^2/\text{NDF}: 457200.1/32$

All: 0.171 ± 0.013 $\chi^2/\text{NDF}: 988093.1/65$

- sign -0.618 ± 0.019 $\chi^2/\text{NDF}: 527474.7/32$

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

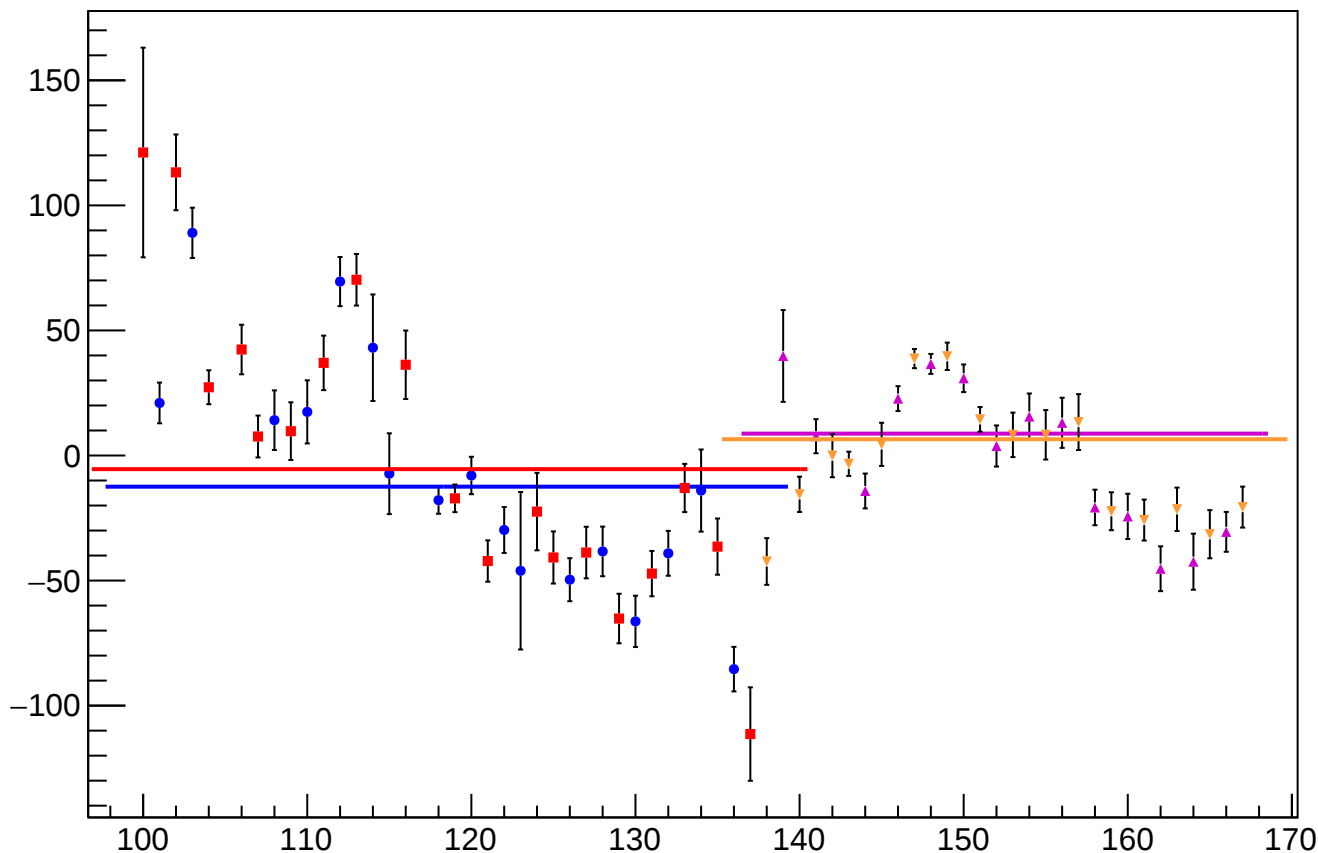
Left In: -486.597+/-2.734 χ^2/NDF :647.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -468.260+/-1.853 χ^2/NDF : 2291.1/29

- 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

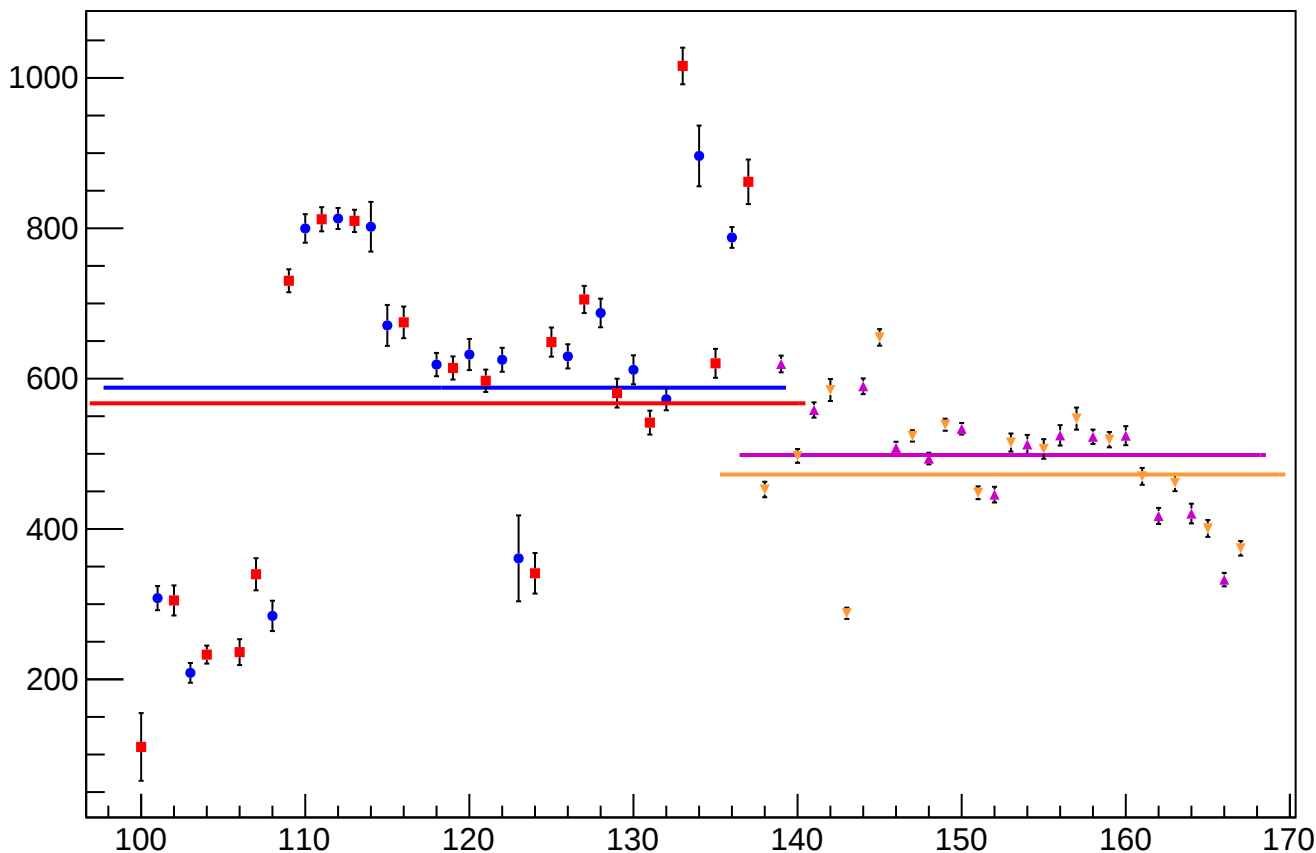
Left In: 8.749 ± 1.871 χ^2/NDF : 199.7/13

+ sign -0.020 ± 1.378 χ^2/NDF : 602.6/32

All: 1.409 ± 0.996 χ^2/NDF : 1173.0/65

- sign 2.970 ± 1.441 χ^2/NDF : 568.1/32

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 $\chi^2/\text{NDF}: 2783.2/18$

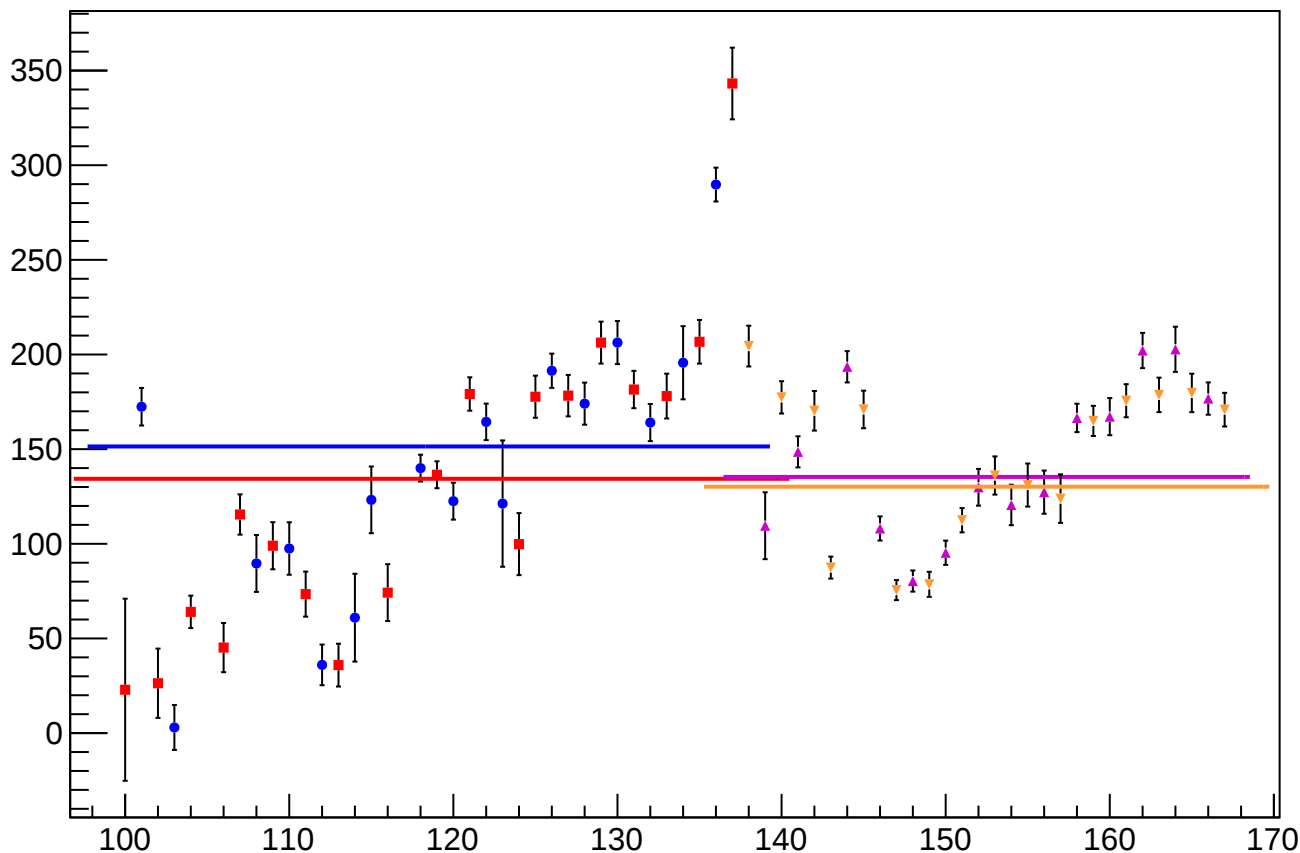
Left In: 498.444 ± 2.667 $\chi^2/\text{NDF}: 726.8/13$

+ sign 501.083 ± 2.166 $\chi^2/\text{NDF}: 3942.5/32$

All: 509.559 ± 1.558 $\chi^2/\text{NDF}: 7679.3/65$

- sign 518.635 ± 2.242 $\chi^2/\text{NDF}: 3705.1/32$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 ± 2.709 $\chi^2/\text{NDF}: 633.3/16$

Left Out: 130.177 ± 2.038 $\chi^2/\text{NDF}: 457.8/15$

Right Out: 134.346 ± 2.616 $\chi^2/\text{NDF}: 584.9/18$

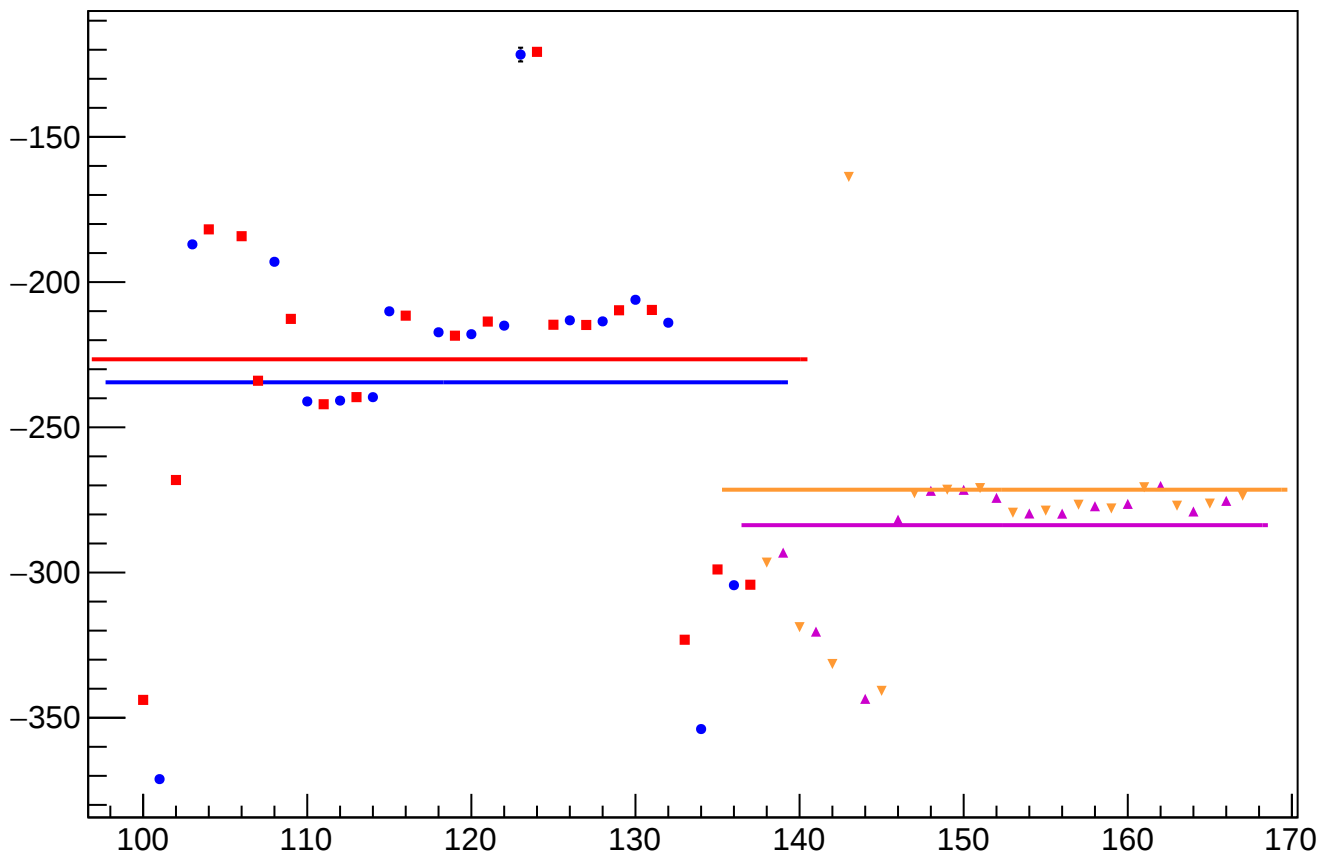
Left In: 135.336 ± 2.229 $\chi^2/\text{NDF}: 346.0/13$

+ sign 137.854 ± 1.629 $\chi^2/\text{NDF}: 1130.4/32$

All: 136.447 ± 1.175 $\chi^2/\text{NDF}: 2062.9/65$

- sign 134.919 ± 1.697 $\chi^2/\text{NDF}: 931.0/32$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 χ^2/NDF : 145046.5/16

Left Out: -271.479 ± 0.101 χ^2/NDF : 183011.7/15

Right Out: -226.581 ± 0.141 χ^2/NDF : 98968.8/18

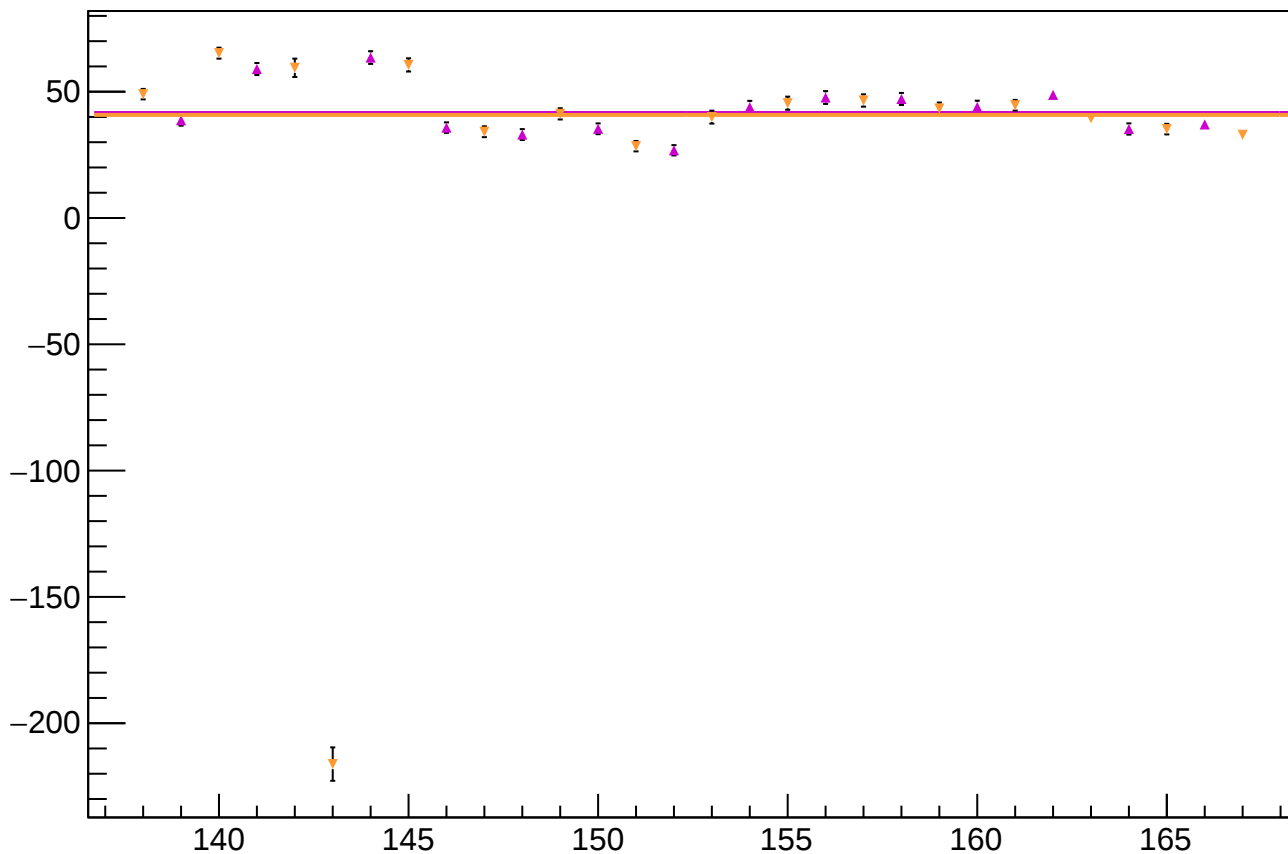
Left In: -283.690 ± 0.107 χ^2/NDF : 31057.6/13

+ sign -259.879 ± 0.083 χ^2/NDF : 370312.2/32

All: -261.306 ± 0.060 χ^2/NDF : 604388.7/65

- sign -262.804 ± 0.086 χ^2/NDF : 233477.7/32

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

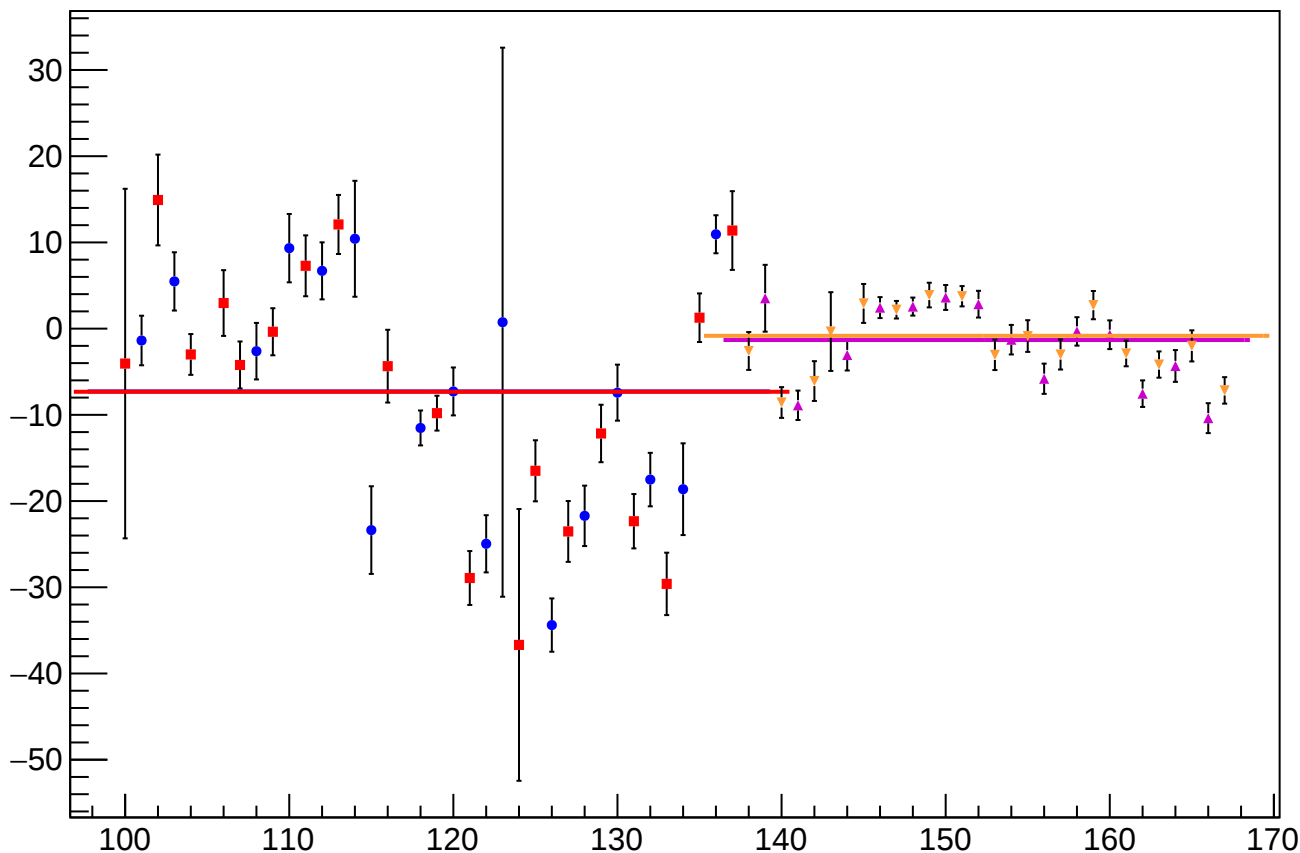
Left In: 41.558+/-0.592 χ^2/NDF :256.3/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 41.173+/-0.413 χ^2/NDF : 2079.6/29

- 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

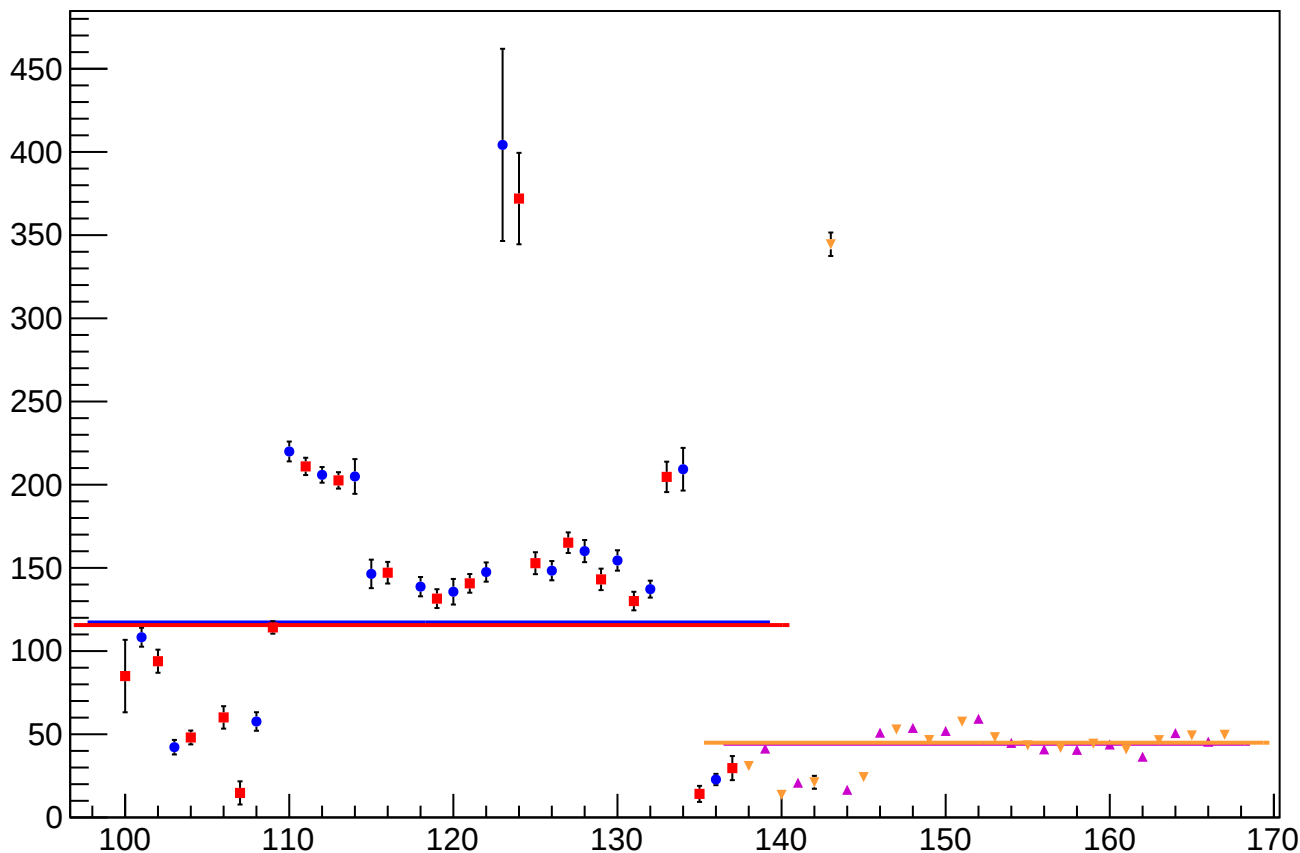
Left In: -1.322 ± 0.421 χ^2/NDF : 117.7/13

+ sign -2.185 ± 0.361 χ^2/NDF : 430.4/32

All: -2.451 ± 0.258 χ^2/NDF : 852.2/65

- sign -2.728 ± 0.368 χ^2/NDF : 420.6/32

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

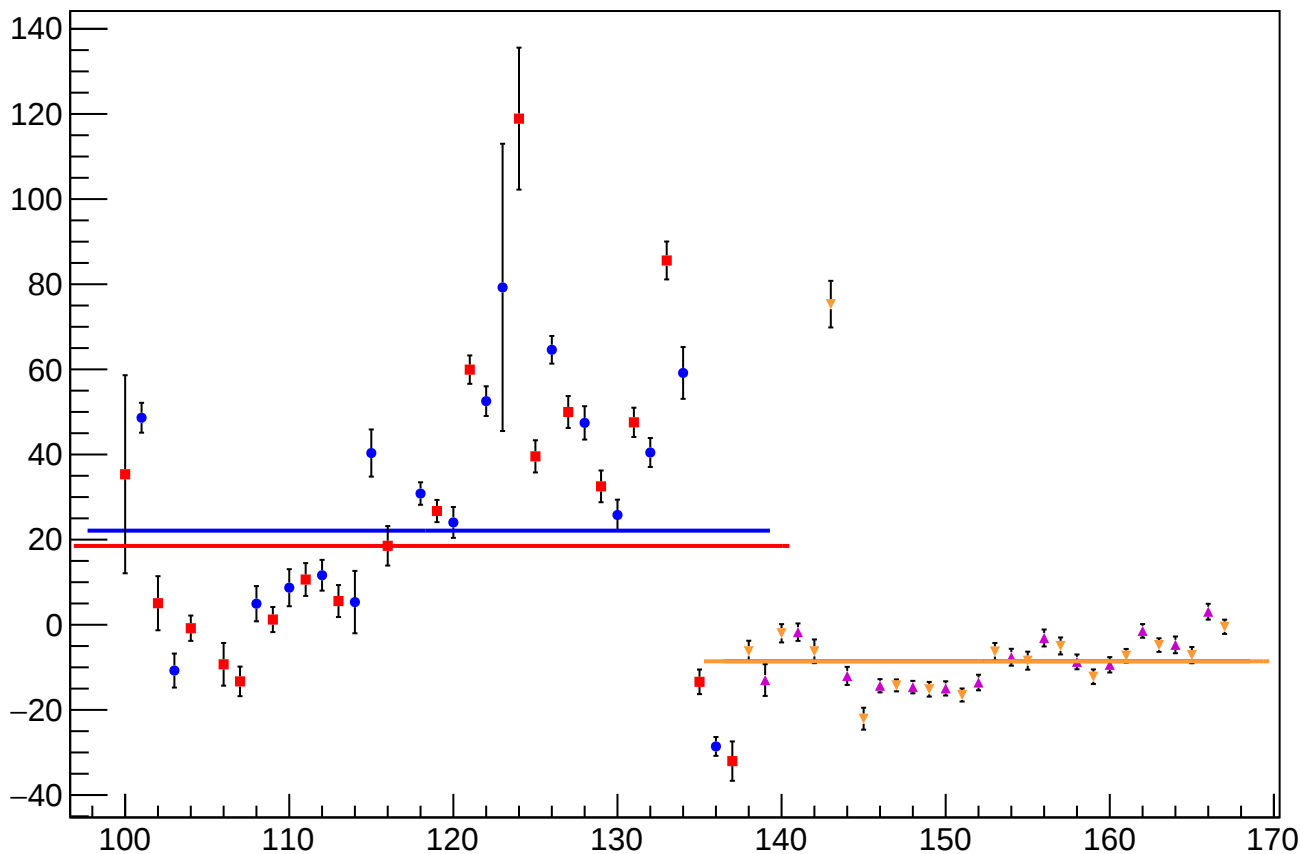
Left In: 44.278+/-0.576 χ^2/NDF :331.9/13

+ sign 54.834+/-0.524 χ^2/NDF : 6604.1/32

All: 54.980+/-0.373 χ^2/NDF : 11404.4/65

- sign 55.130+/-0.531 χ^2/NDF : 4800.1/32

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 $\chi^2/\text{NDF}: 1068.6/18$

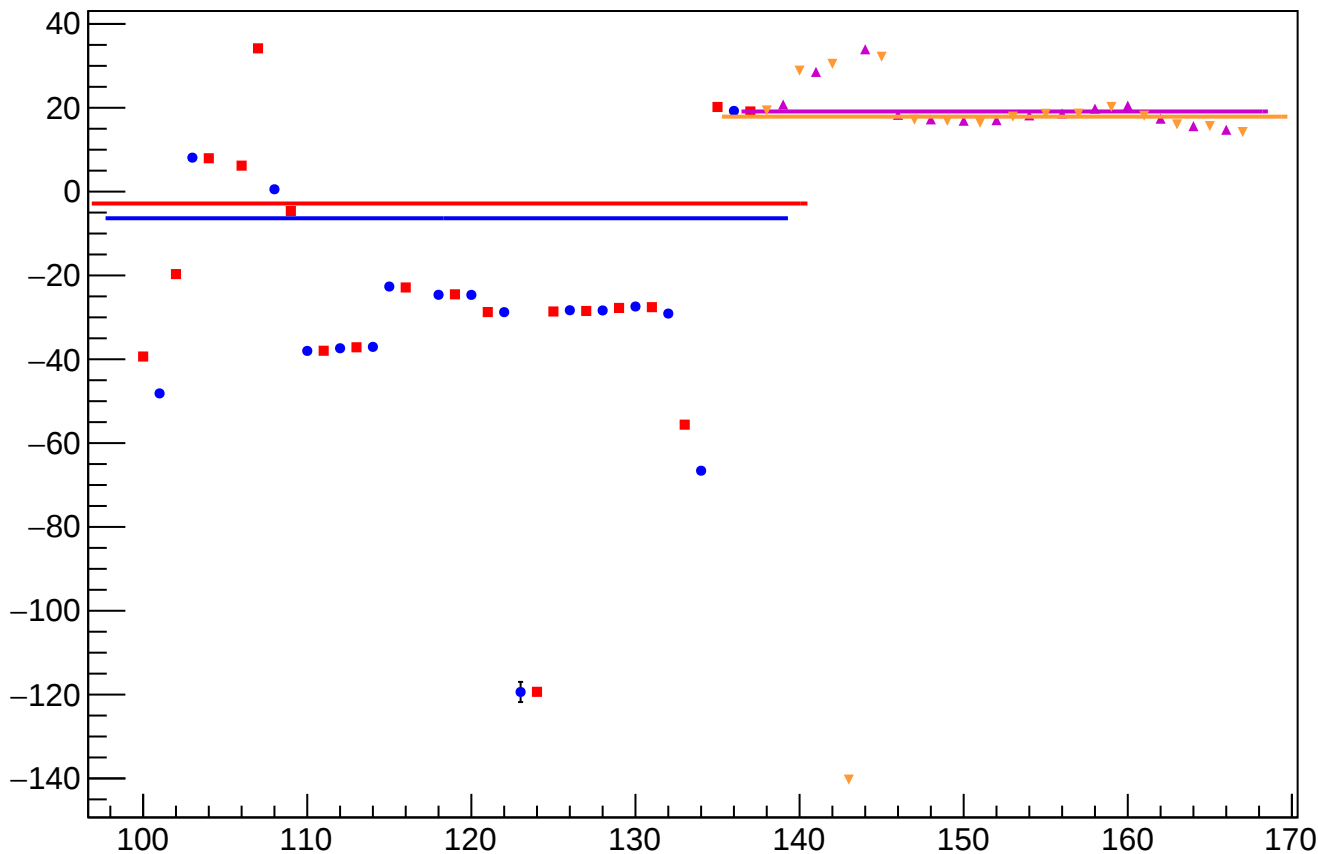
Left In: -8.562 ± 0.491 $\chi^2/\text{NDF}: 138.9/13$

+ sign -1.884 ± 0.419 $\chi^2/\text{NDF}: 2353.1/32$

All: -1.959 ± 0.299 $\chi^2/\text{NDF}: 4294.2/65$

- sign -2.036 ± 0.428 $\chi^2/\text{NDF}: 1941.0/32$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 χ^2/NDF : 264750.9/16

Left Out: 17.881 ± 0.022 χ^2/NDF : 353834.3/15

Right Out: -2.837 ± 0.046 χ^2/NDF : 265573.0/18

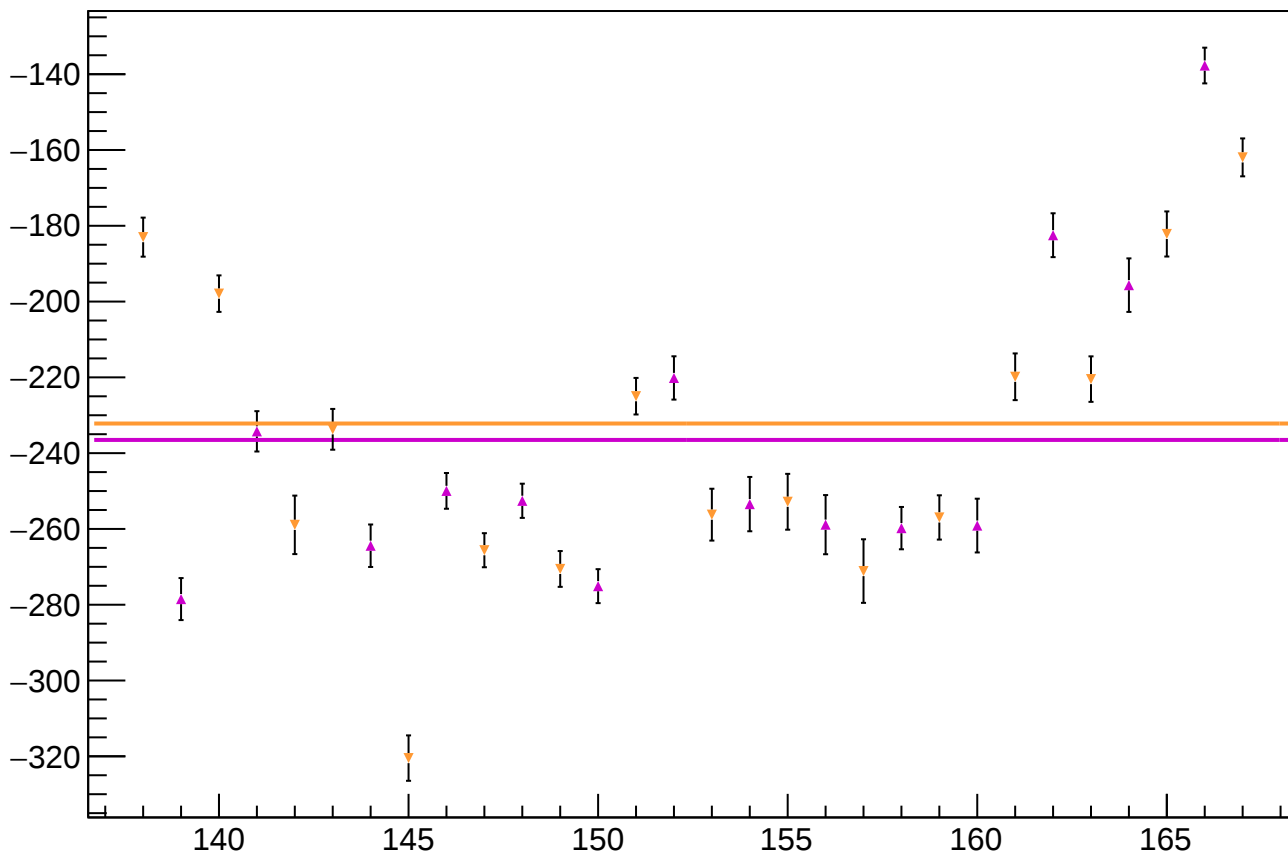
Left In: 19.116 ± 0.023 χ^2/NDF : 31919.8/13

+ sign 13.344 ± 0.020 χ^2/NDF : 841266.3/32

All: 14.035 ± 0.014 χ^2/NDF : 1325693.6/65

- sign 14.752 ± 0.020 χ^2/NDF : 482002.7/32

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

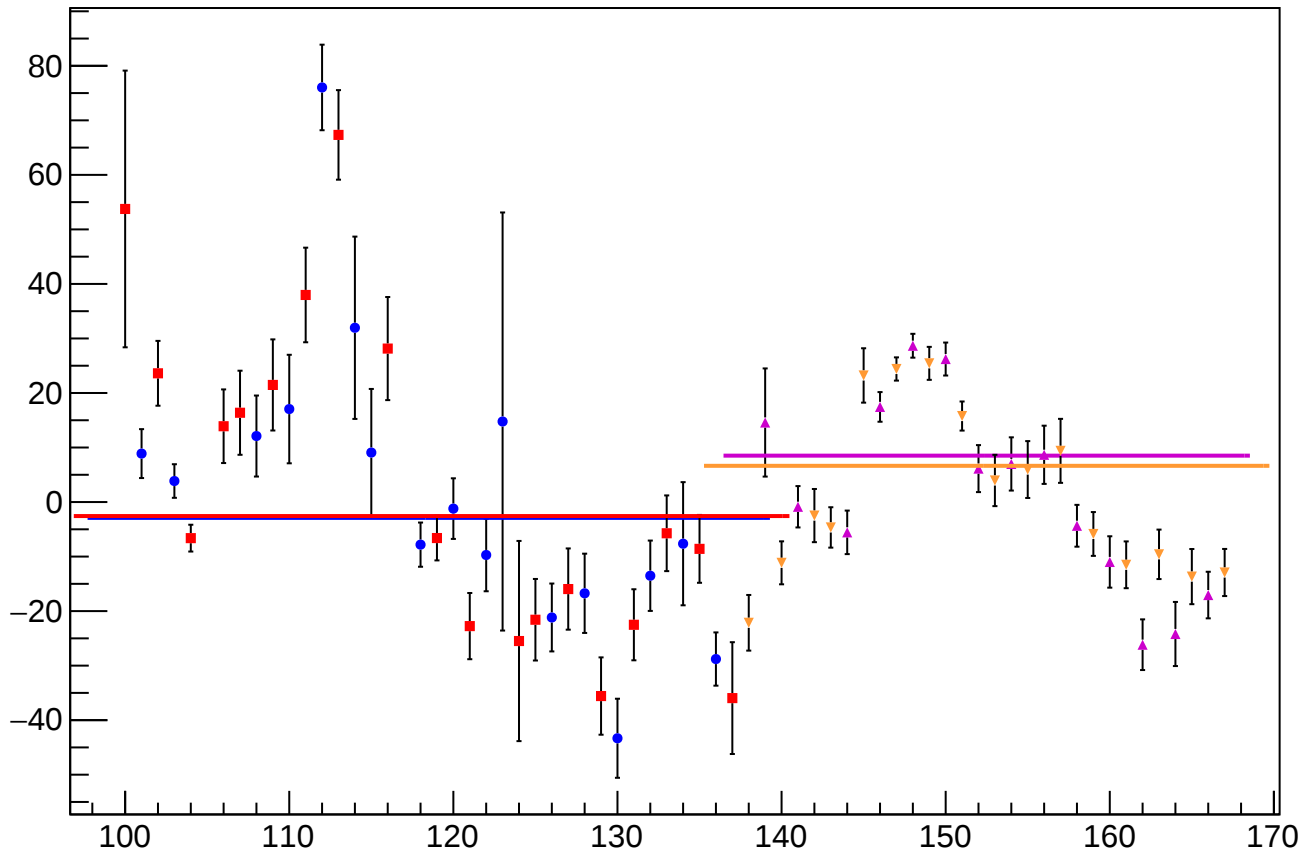
Left In: -236.512+/-1.480 χ^2/NDF : 786.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -234.243+/-1.021 χ^2/NDF : 1621.0/29

- 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

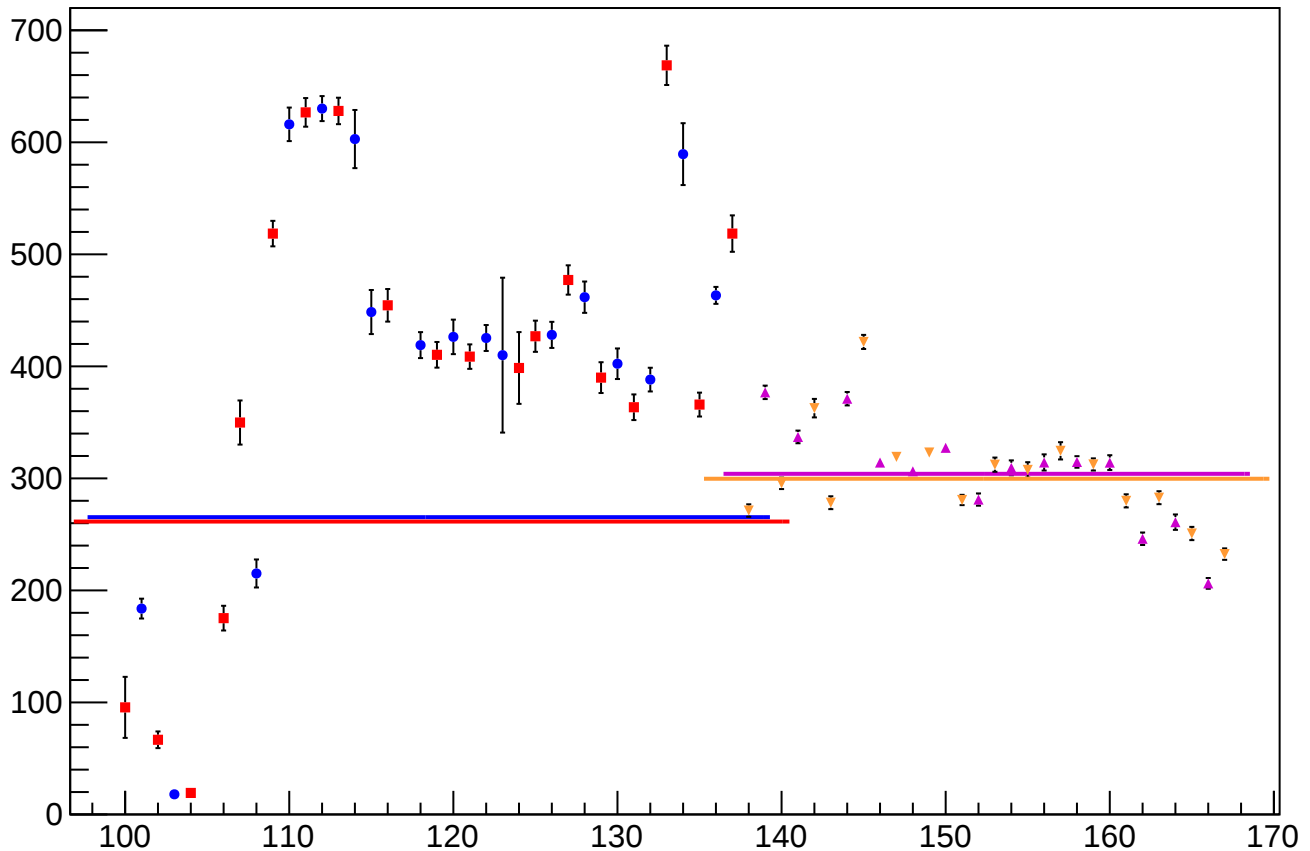
Left In: 8.509 ± 1.015 χ^2/NDF : 300.3/13

+ sign 3.803 ± 0.800 χ^2/NDF : 506.8/32

All: 4.230 ± 0.573 χ^2/NDF : 1067.0/65

- sign 4.678 ± 0.821 χ^2/NDF : 559.7/32

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

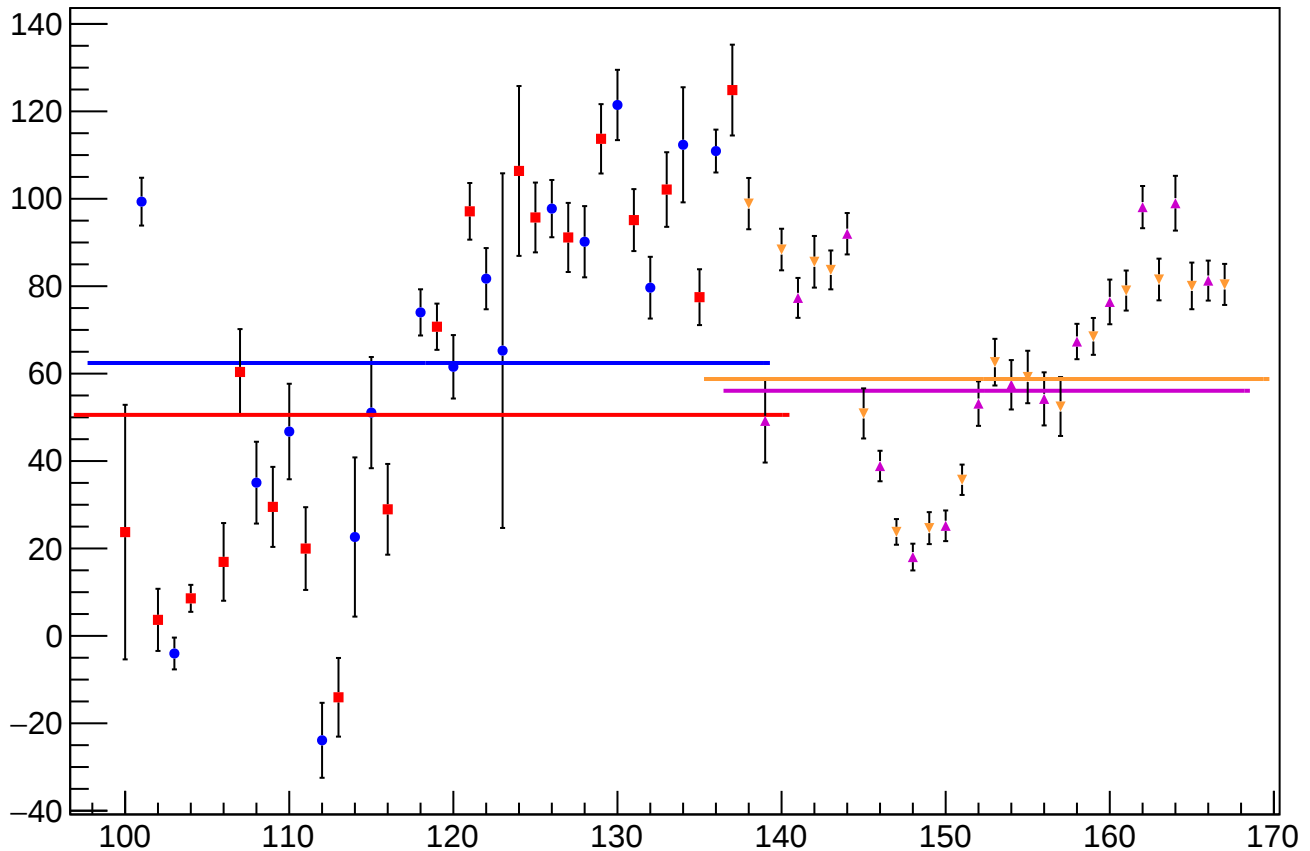
Left In: 304.077 $\pm$ 1.442 χ^2 /NDF:930.9/13

+ sign 291.520 $\pm$ 1.213 χ^2 /NDF: 8602.4/32

All: 292.325 $\pm$ 0.868 χ^2 /NDF: 17962.1/65

- sign 293.170 $\pm$ 1.243 χ^2 /NDF: 9358.8/32

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 58.769 $\pm$ 1.140 χ^2 /NDF: 498.6/15

Right Out: 50.560 $\pm$ 1.642 χ^2 /NDF: 657.4/18

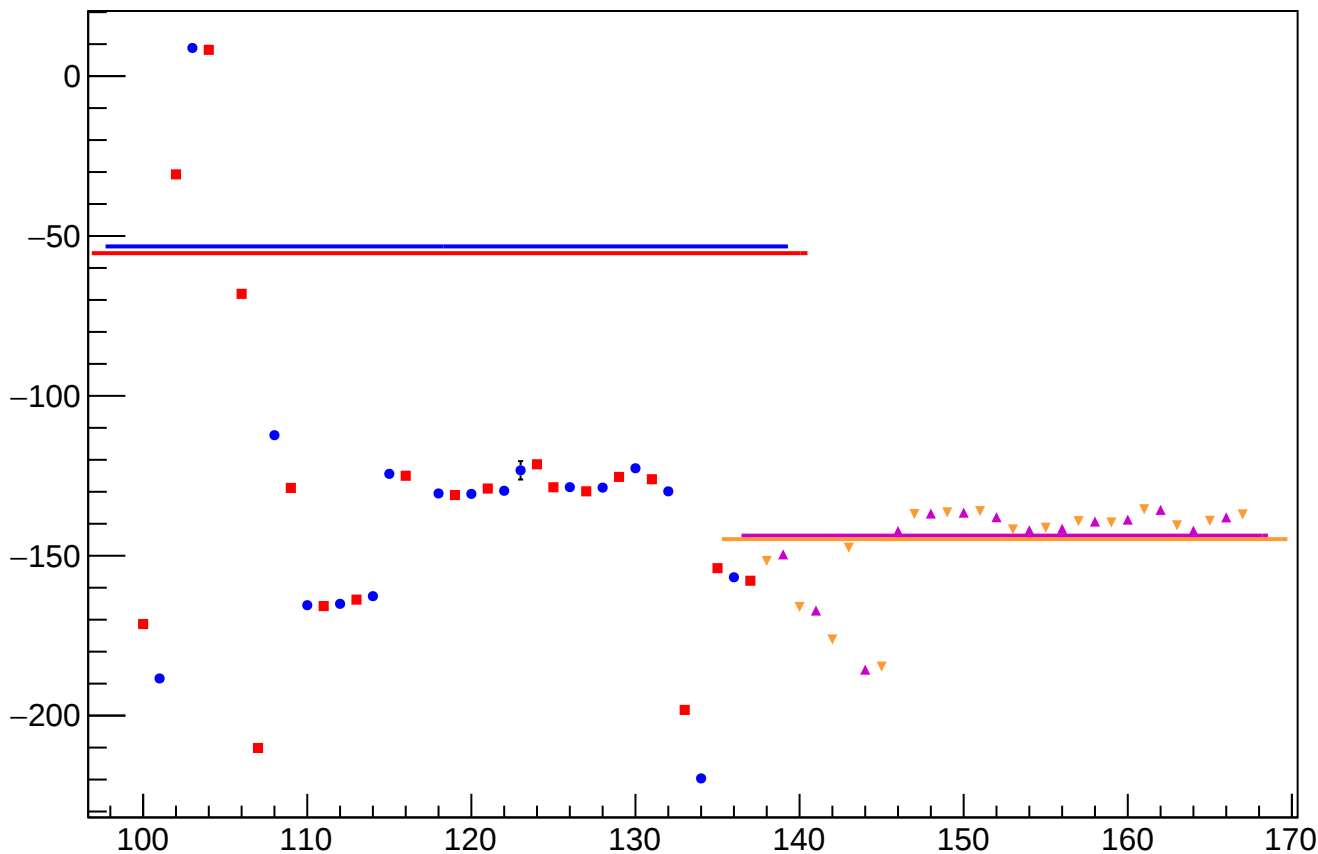
Left In: 56.078 $\pm$ 1.207 χ^2 /NDF: 513.4/13

+ sign 59.911 $\pm$ 0.946 χ^2 /NDF: 1223.6/32

All: 57.108 $\pm$ 0.678 χ^2 /NDF: 2419.8/65

- sign 54.142 $\pm$ 0.973 χ^2 /NDF: 1178.1/32

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -144.811 $\pm$ 0.056 χ^2 /NDF: 55819.5/15

Right Out: -55.373 $\pm$ 0.072 χ^2 /NDF: 967027.2/18

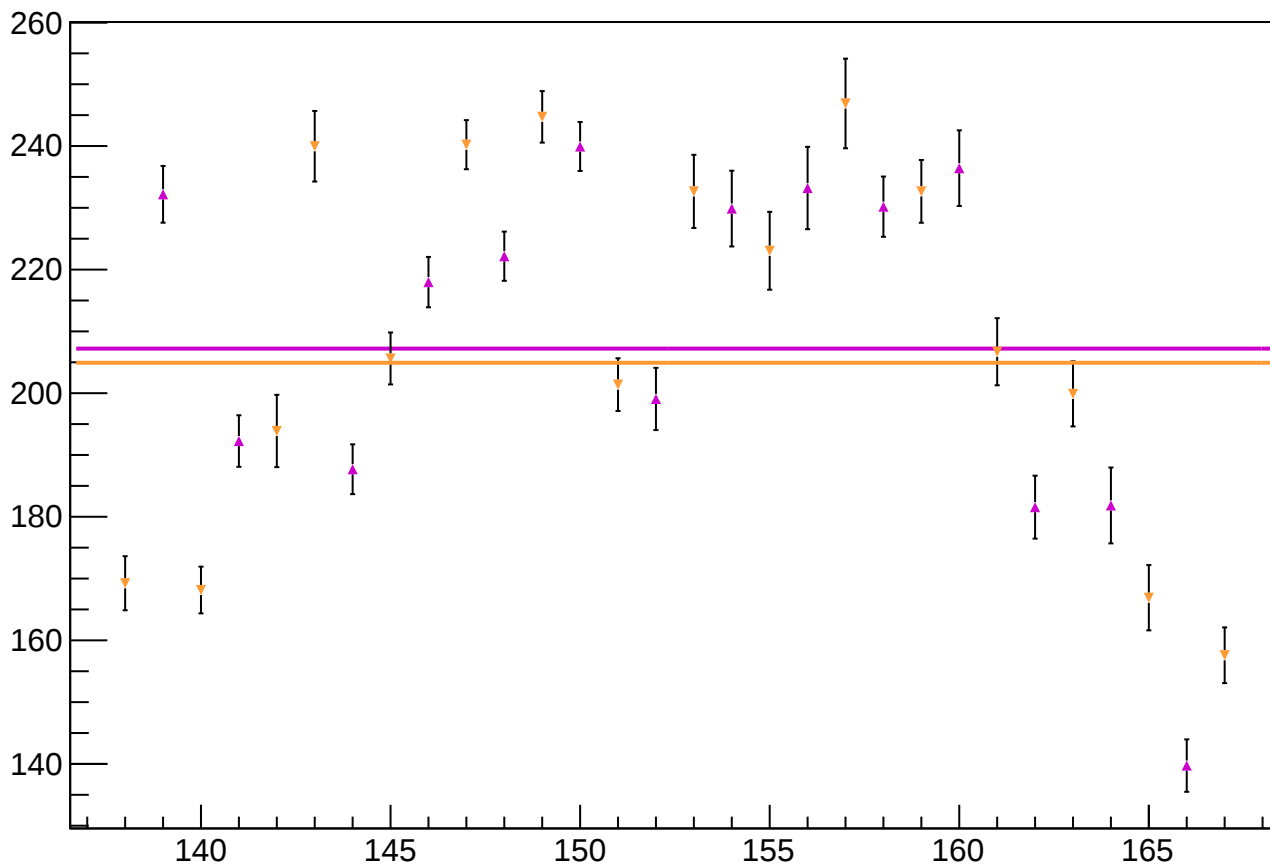
Left In: -143.718 $\pm$ 0.058 χ^2 /NDF: 43755.3/13

+ sign -109.420 $\pm$ 0.044 χ^2 /NDF: 2318243.3/32

All: -109.216 $\pm$ 0.031 χ^2 /NDF: 4244231.0/65

- sign -108.999 $\pm$ 0.045 χ^2 /NDF: 1925943.1/32

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

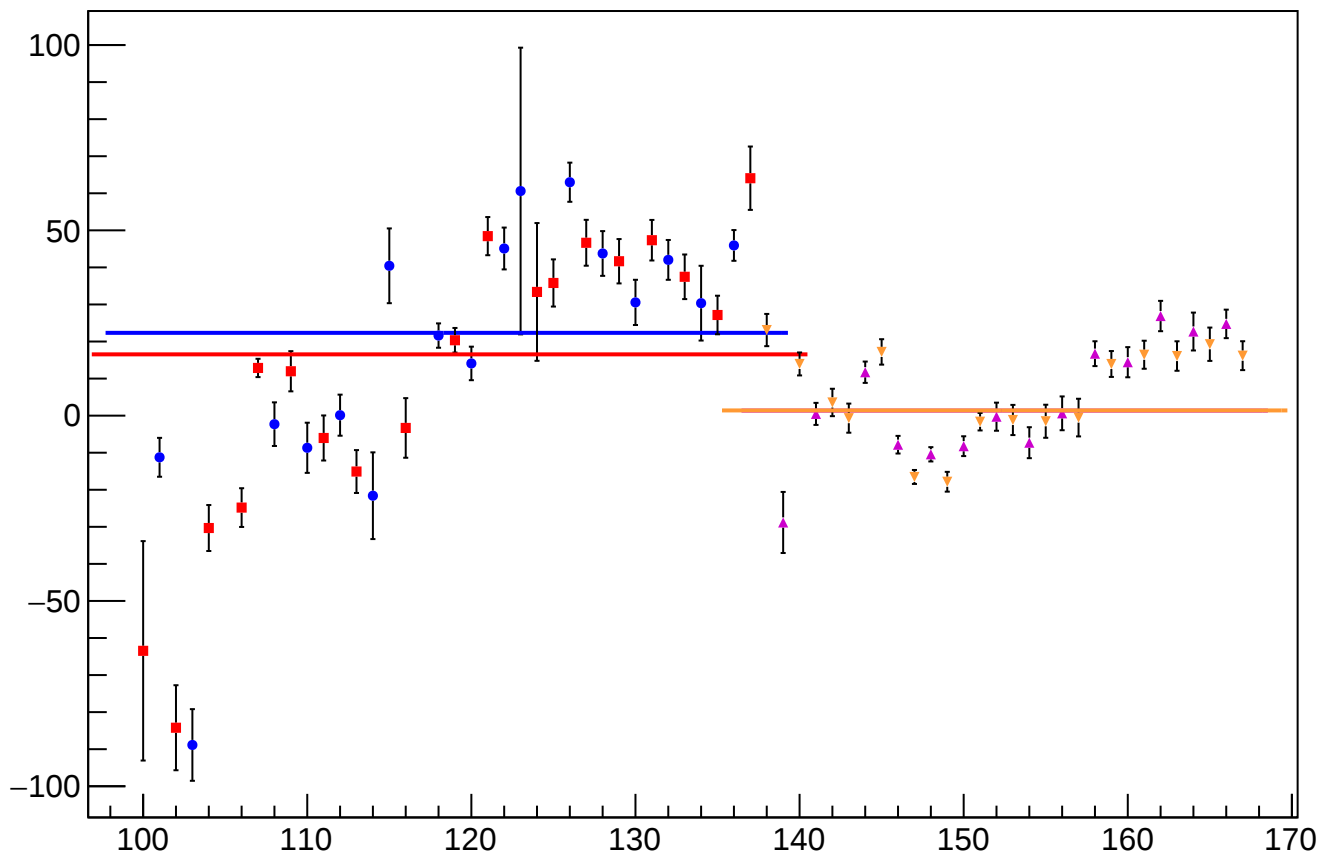
Left In: 207.214+/-1.259 χ^2/NDF : 527.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 206.025+/-0.873 χ^2/NDF : 1158.3/29

- 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

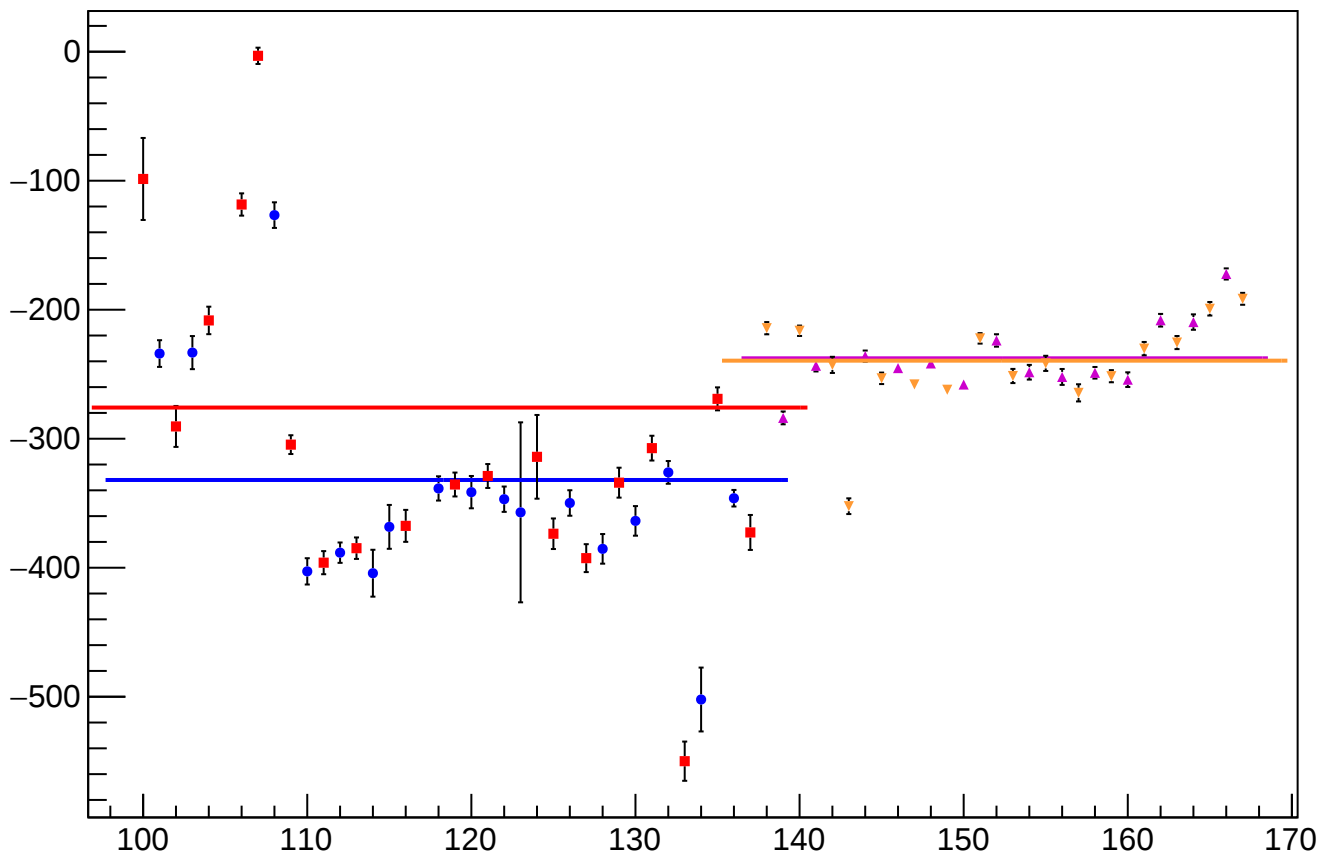
Left In: 1.363 ± 0.869 χ^2/NDF : 220.8/13

+ sign 6.850 ± 0.711 χ^2/NDF : 833.3/32

All: 6.640 ± 0.502 χ^2/NDF : 1582.6/65

- sign 6.432 ± 0.709 χ^2/NDF : 749.2/32

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 ± 2.580 $\chi^2/\text{NDF}: 785.0/16$

Left Out: -239.488 ± 1.198 $\chi^2/\text{NDF}: 692.3/15$

Right Out: -275.842 ± 2.325 $\chi^2/\text{NDF}: 3362.2/18$

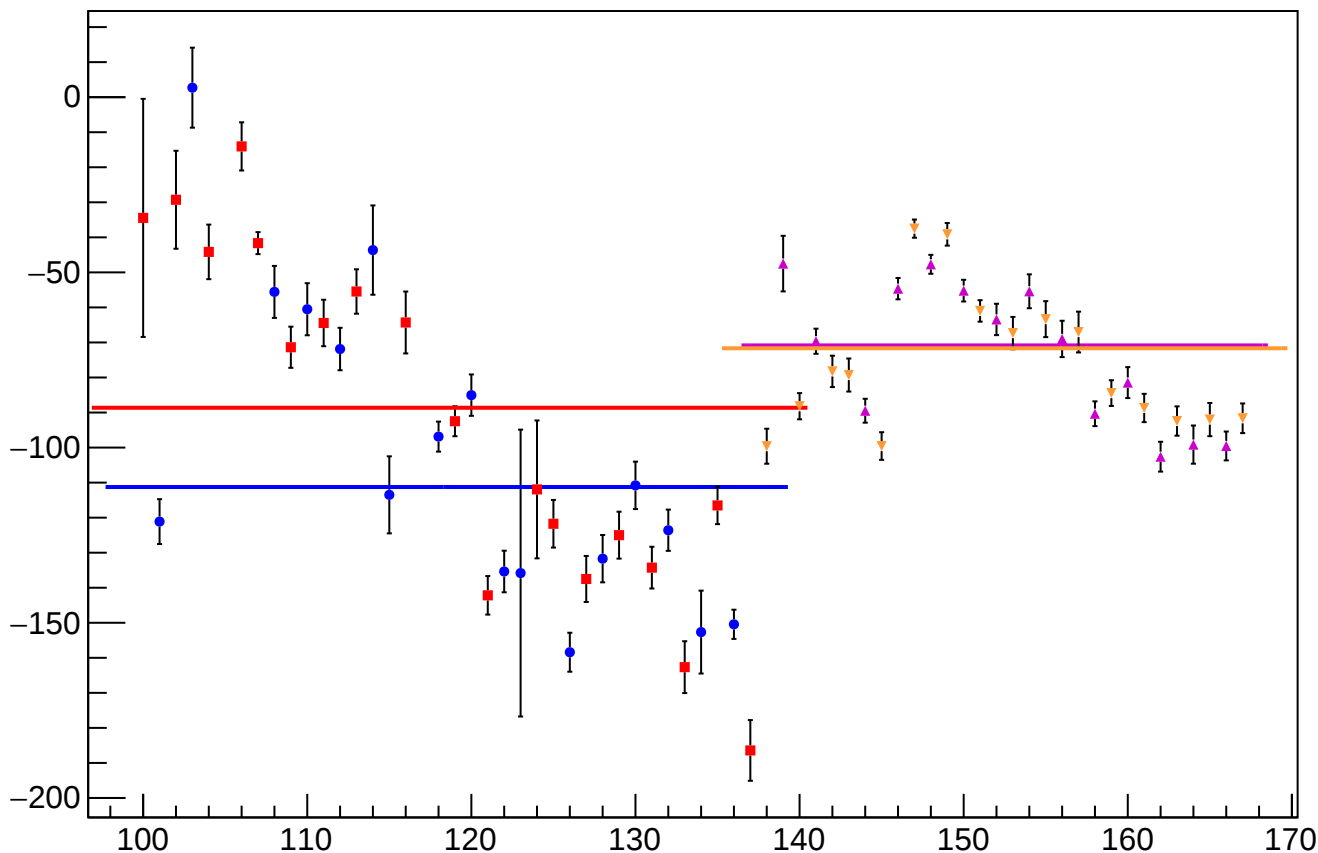
Left In: -237.669 ± 1.232 $\chi^2/\text{NDF}: 442.4/13$

+ sign -255.894 ± 1.087 $\chi^2/\text{NDF}: 2534.5/32$

All: -250.976 ± 0.769 $\chi^2/\text{NDF}: 6590.7/65$

- sign -246.041 ± 1.089 $\chi^2/\text{NDF}: 4015.1/32$

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

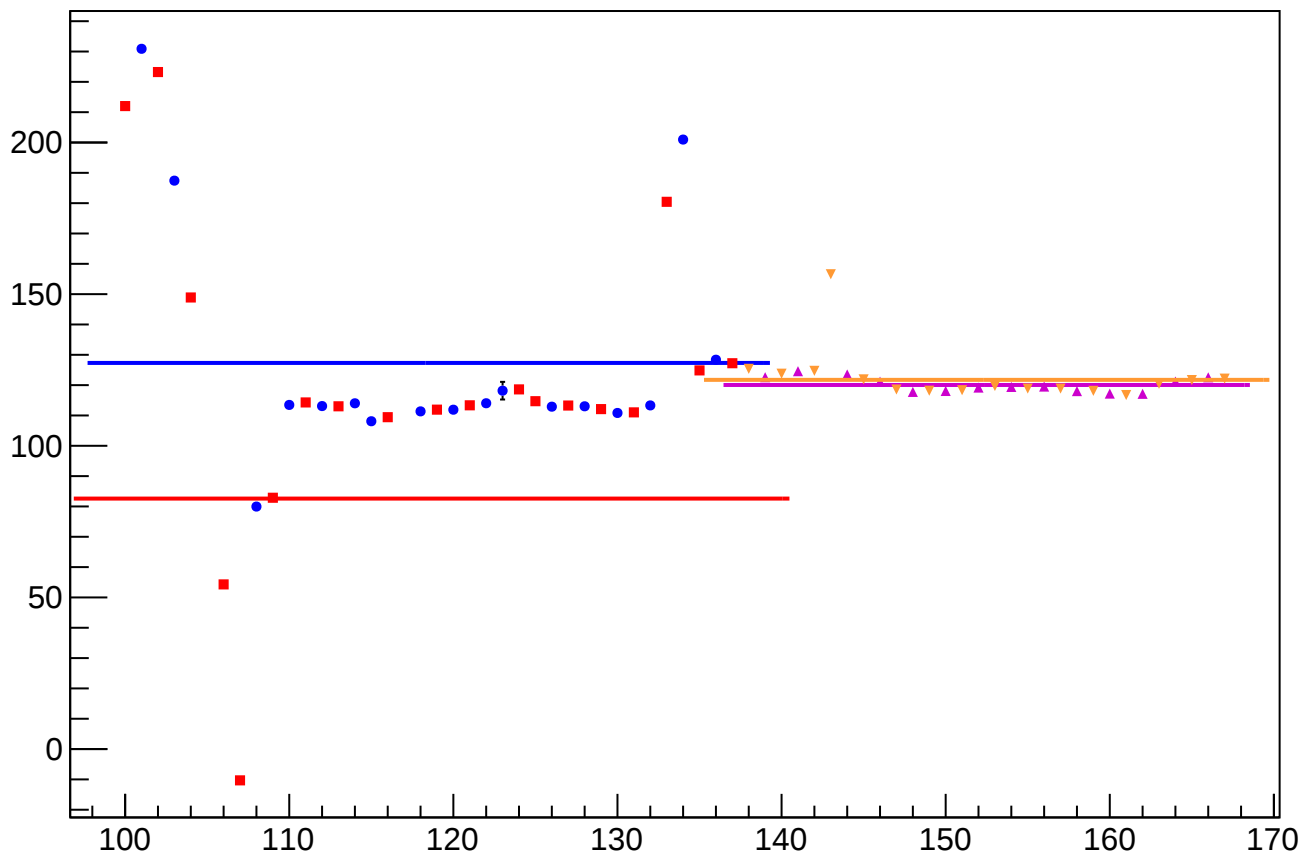
Left In: -70.843 ± 1.032 χ^2/NDF : 346.5/13

+ sign -82.586 ± 0.839 χ^2/NDF : 1446.1/32

All: -79.749 ± 0.593 χ^2/NDF : 2887.8/65

- sign -76.921 ± 0.838 χ^2/NDF : 1418.9/32

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323 $\pm$ 0.089 χ^2 /NDF: 187776.4/16

Left Out: 121.741 $\pm$ 0.048 χ^2 /NDF: 23678.0/15

Right Out: 82.595 $\pm$ 0.075 χ^2 /NDF: 765022.5/18

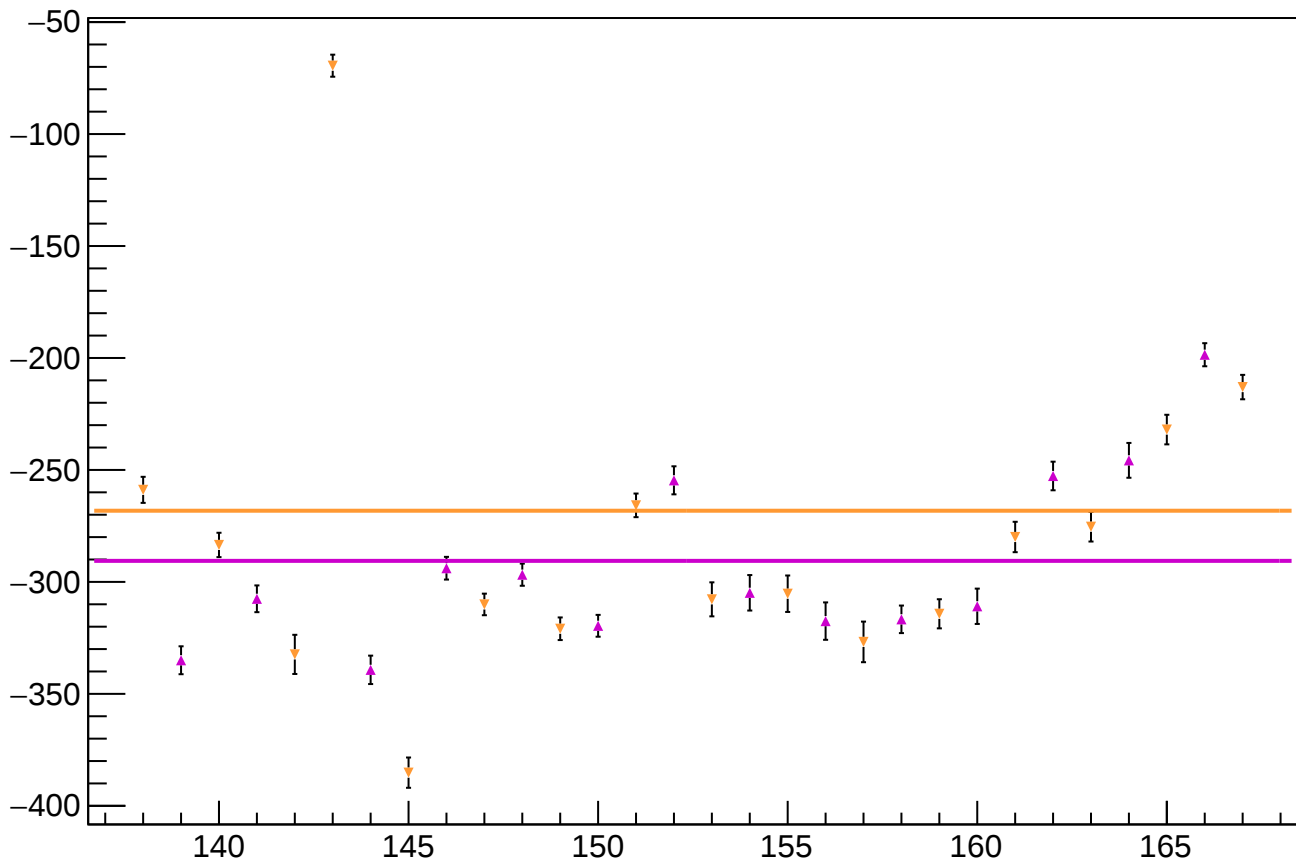
Left In: 120.055 $\pm$ 0.049 χ^2 /NDF: 2391.8/13

+ sign 122.995 $\pm$ 0.042 χ^2 /NDF: 214473.8/32

All: 115.710 $\pm$ 0.030 χ^2 /NDF: 1212153.1/65

- sign 108.777 $\pm$ 0.041 χ^2 /NDF: 940046.5/32

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

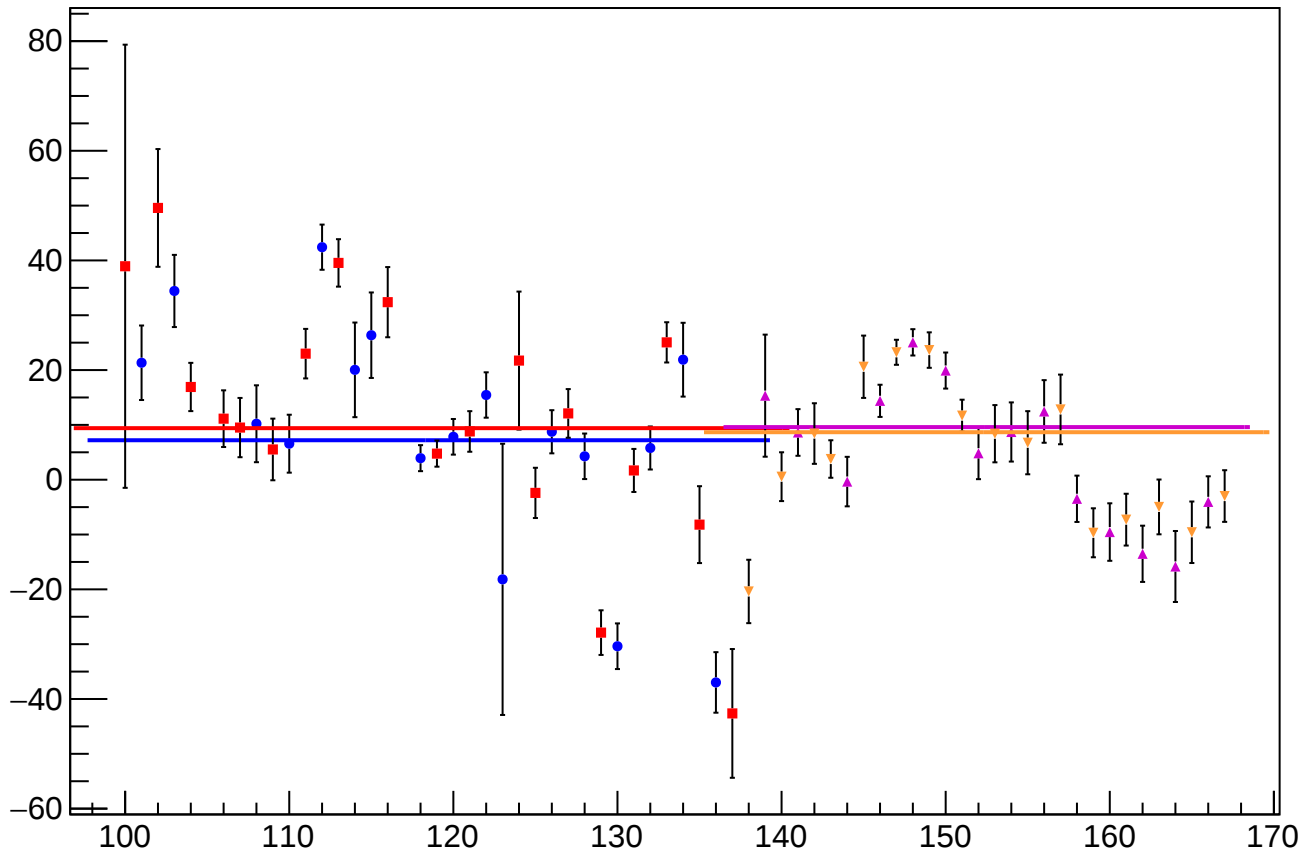
Left In: -290.606+/-1.628 χ^2/NDF : 613.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -278.716+/-1.115 χ^2/NDF : 3168.1/29

- 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

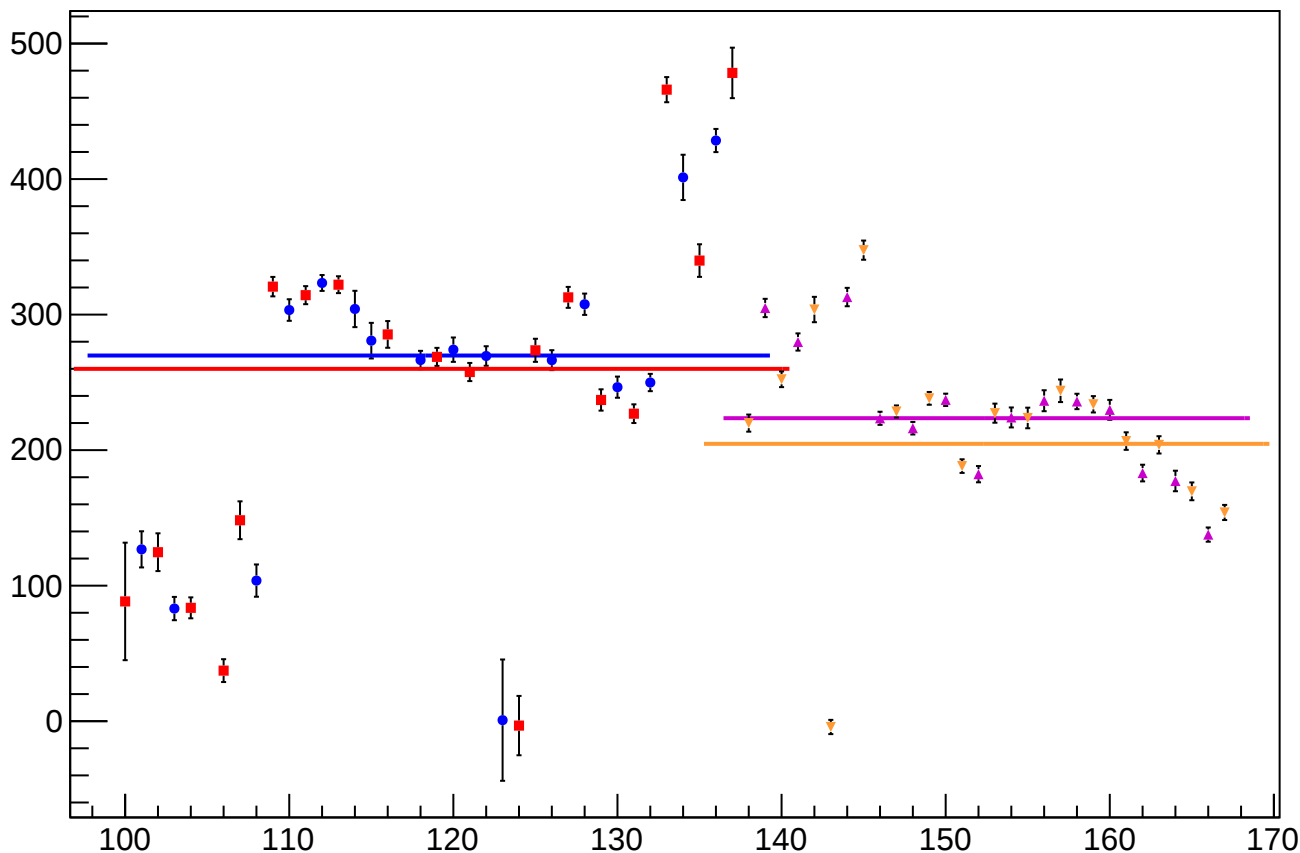
Left In: 9.597 ± 1.115 χ^2/NDF : 127.6/13

+ sign 7.981 ± 0.754 χ^2/NDF : 413.1/32

All: 8.720 ± 0.539 χ^2/NDF : 774.8/65

- sign 9.496 ± 0.772 χ^2/NDF : 359.8/32

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 204.646 $\pm$ 1.508 χ^2 /NDF:2435.3/15

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

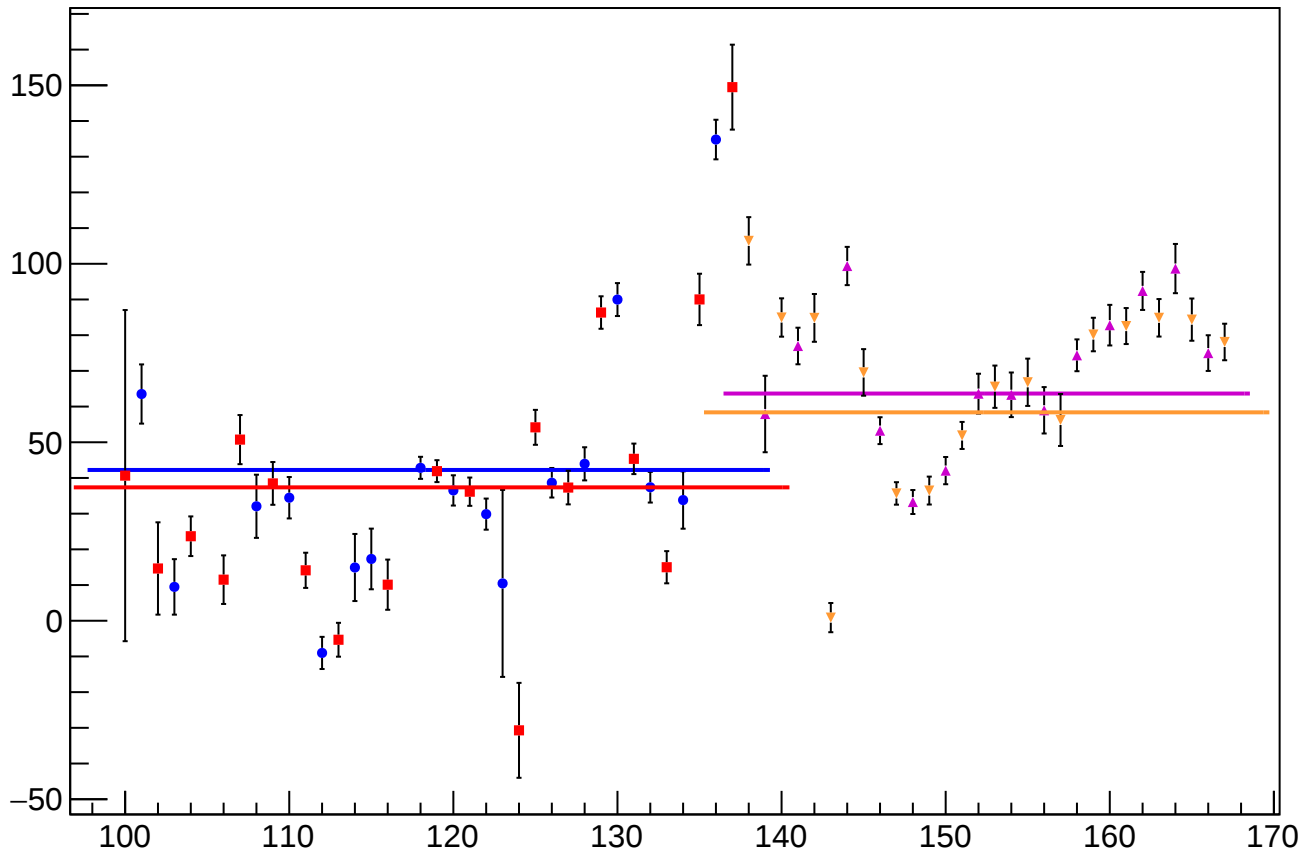
Left In: 223.571 $\pm$ 1.585 χ^2 /NDF:812.1/13

+ sign 226.977 $\pm$ 1.223 χ^2 /NDF: 4448.8/32

All: 232.336 $\pm$ 0.869 χ^2 /NDF: 8044.9/65

- sign 237.813 $\pm$ 1.236 χ^2 /NDF: 3557.2/32

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2/NDF : 574.4/16

Left Out: 58.381 $\pm$ 1.234 χ^2/NDF : 486.5/15

Right Out: 37.367 $\pm$ 1.235 χ^2/NDF : 472.3/18

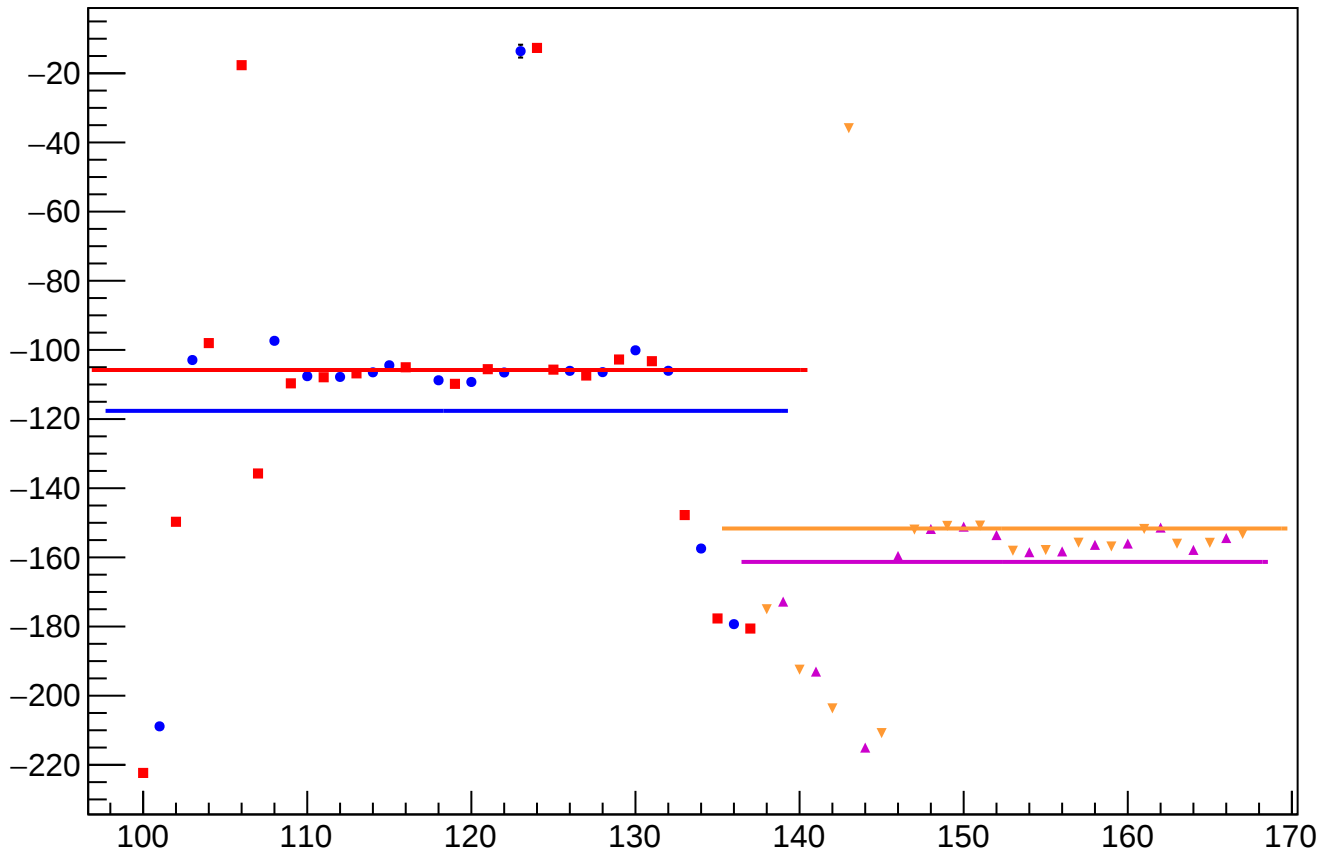
Left In: 63.649 $\pm$ 1.326 χ^2/NDF : 250.7/13

+ sign 50.565 $\pm$ 0.886 χ^2/NDF : 1143.7/32

All: 50.076 $\pm$ 0.633 χ^2/NDF : 2077.7/65

- sign 49.567 $\pm$ 0.904 χ^2/NDF : 933.4/32

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

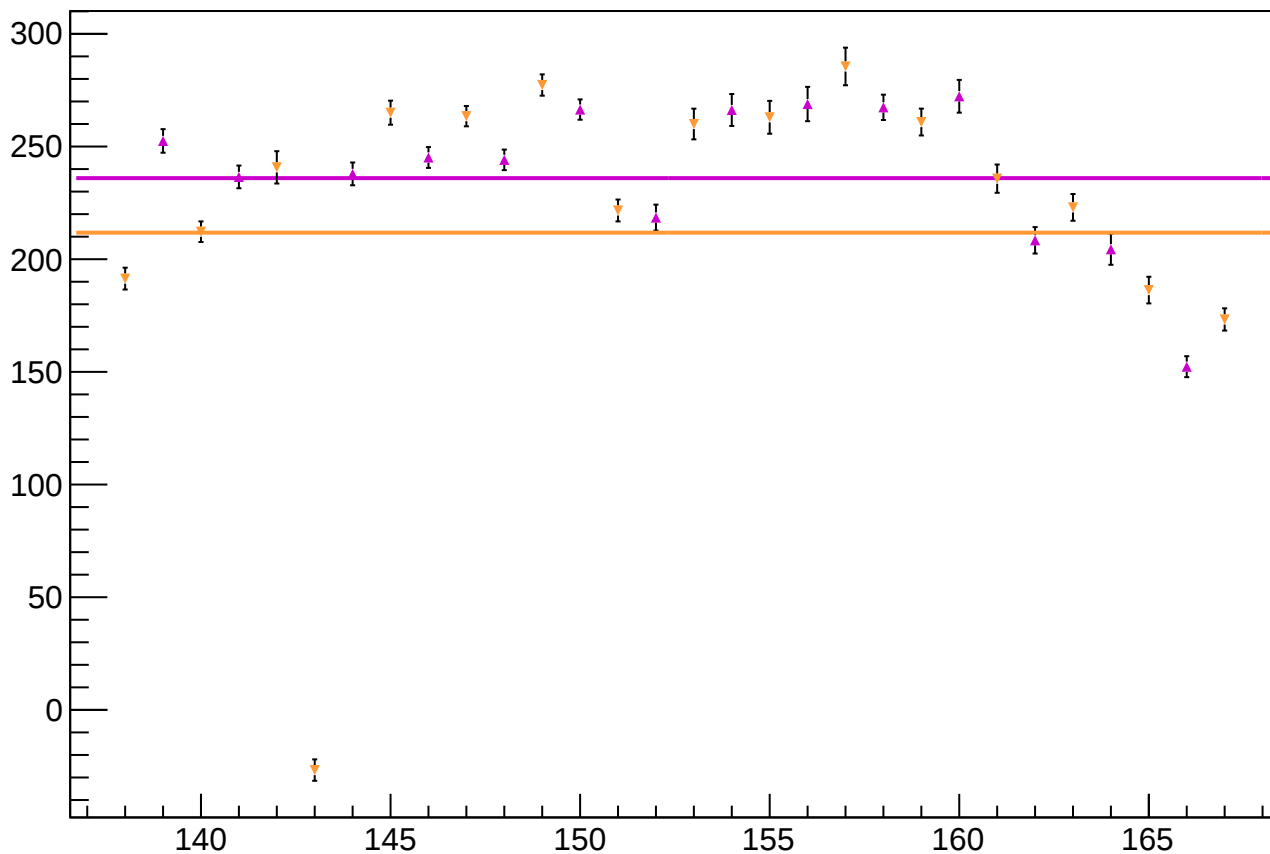
Left In: -161.310 ± 0.064 χ^2/NDF : 60281.2/13

+ sign -138.916 ± 0.048 χ^2/NDF : 663277.6/32

All: -138.084 ± 0.034 χ^2/NDF : 1376486.6/65

- sign -137.255 ± 0.048 χ^2/NDF : 712609.8/32

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

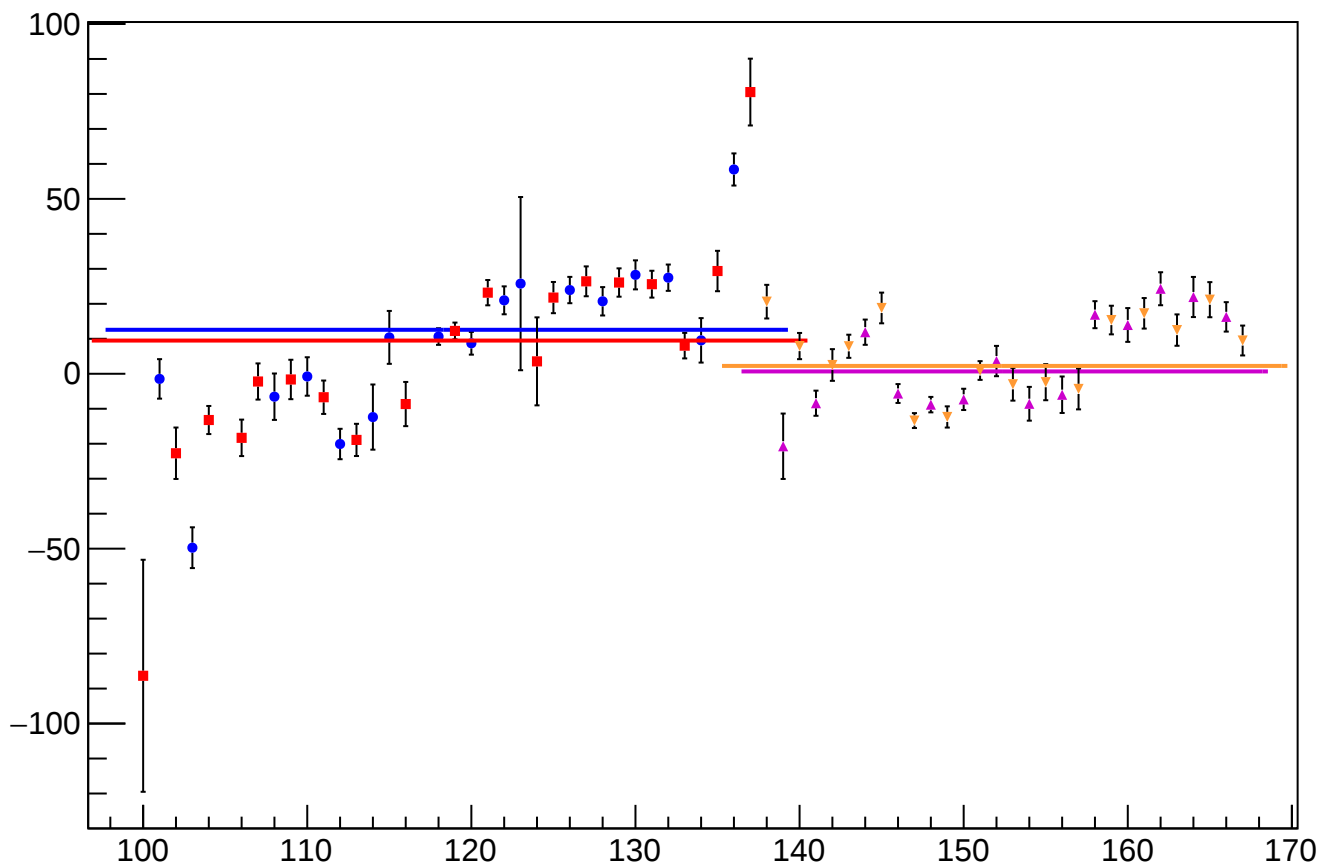
Left In: 235.980+/-1.453 χ^2/NDF : 532.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 223.174+/-0.997 χ^2/NDF : 3999.5/29

- 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

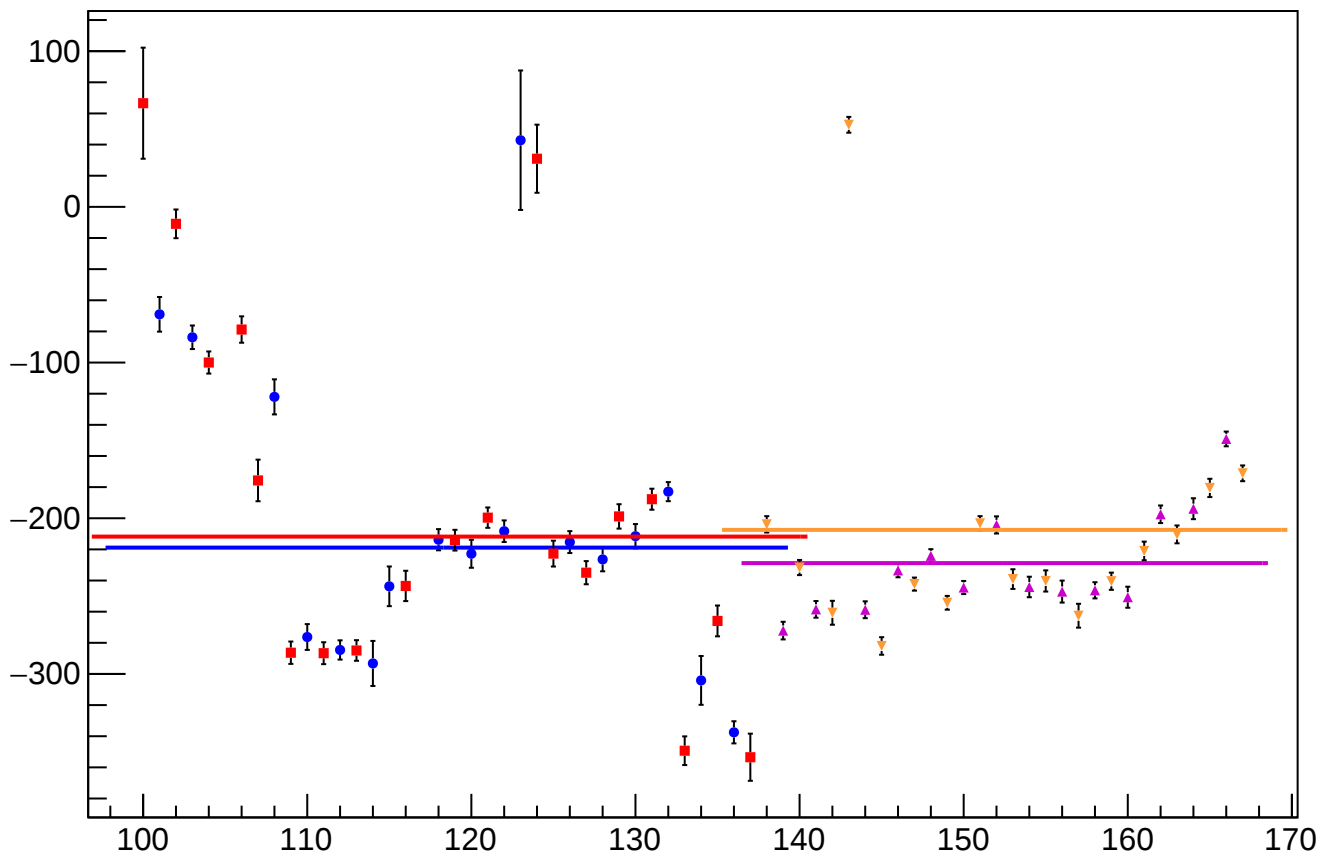
Left In: 0.668 $\pm$ 1.005 χ^2 /NDF: 135.7/13

+ sign 6.699 $\pm$ 0.705 χ^2 /NDF: 559.6/32

All: 5.823 $\pm$ 0.506 χ^2 /NDF: 1031.3/65

- sign 4.897 $\pm$ 0.725 χ^2 /NDF: 468.5/32

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -207.461 ± 1.357 χ^2/NDF : 3271.2/15

Right Out: -211.780 ± 1.924 χ^2/NDF : 1885.2/18

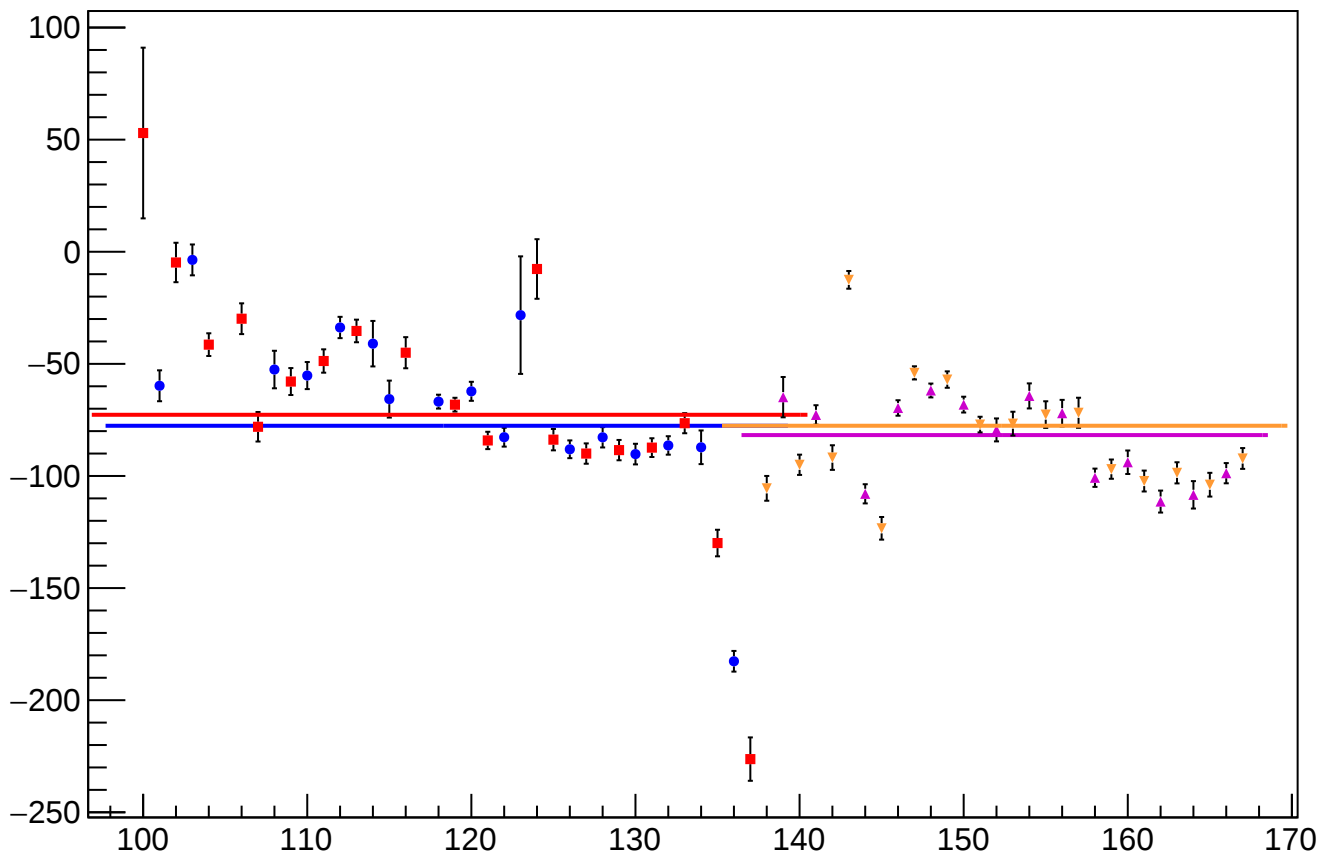
Left In: -228.805 ± 1.421 χ^2/NDF : 531.4/13

+ sign -210.997 ± 1.127 χ^2/NDF : 4439.6/32

All: -216.814 ± 0.802 χ^2/NDF : 6960.9/65

- sign -222.797 ± 1.143 χ^2/NDF : 2467.2/32

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

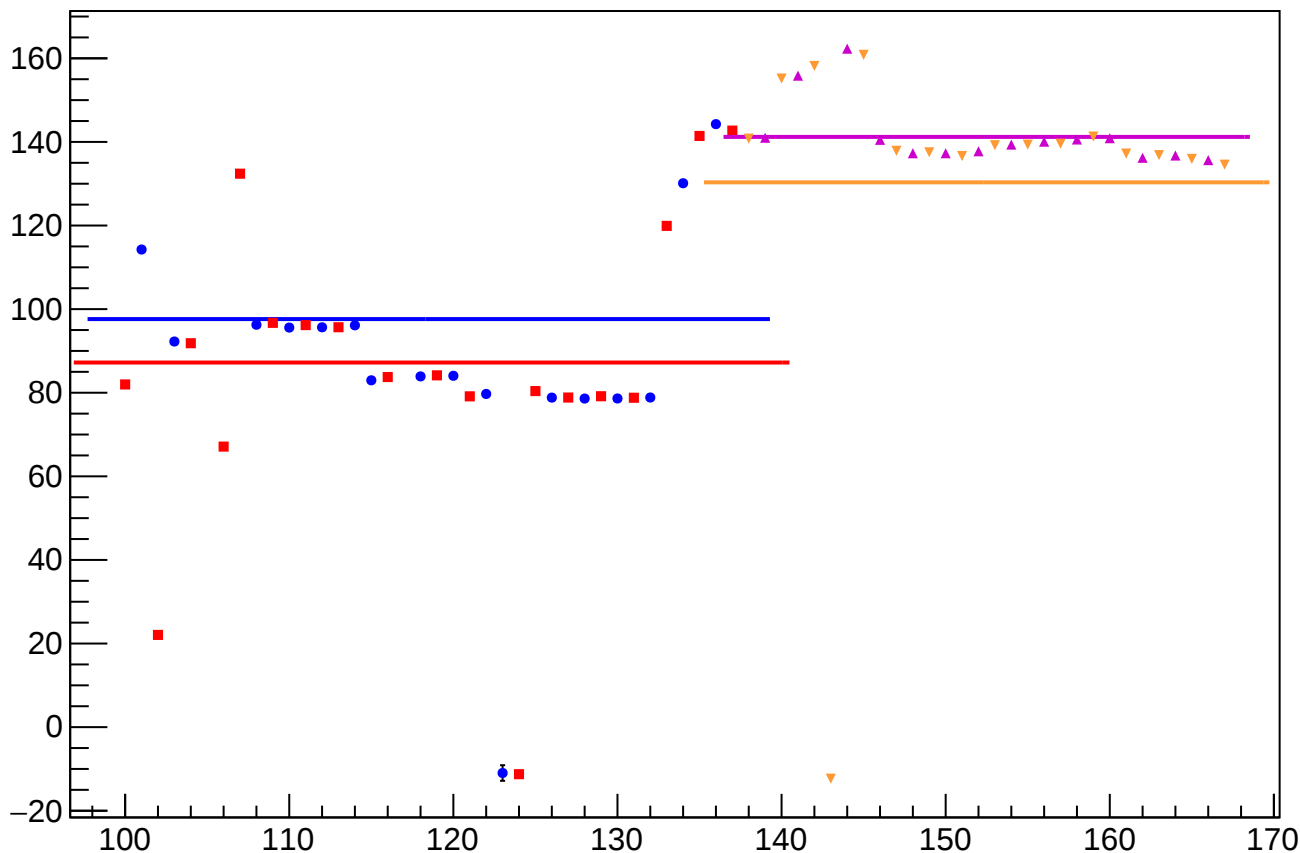
Left In: -81.763 ± 1.193 χ^2/NDF : 223.5/13

+ sign -77.604 ± 0.828 χ^2/NDF : 1416.2/32

All: -77.448 ± 0.593 χ^2/NDF : 2339.7/65

- sign -77.285 ± 0.848 χ^2/NDF : 923.4/32

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

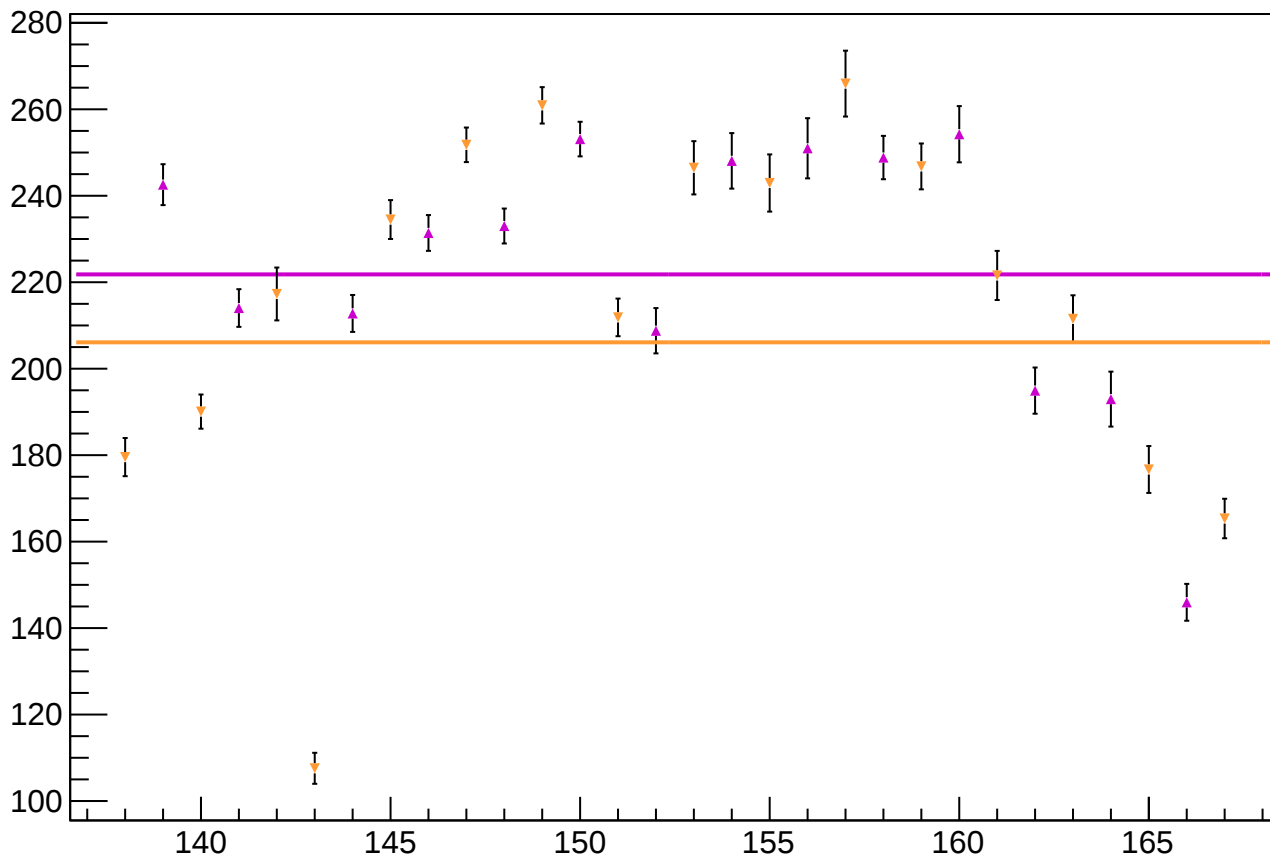
Left In: 141.203 $\pm$ 0.057 χ^2 /NDF: 15259.9/13

+ sign 118.755 $\pm$ 0.044 χ^2 /NDF: 771887.2/32

All: 118.878 $\pm$ 0.031 χ^2 /NDF: 1376012.2/65

- sign 119.000 $\pm$ 0.044 χ^2 /NDF: 604109.2/32

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

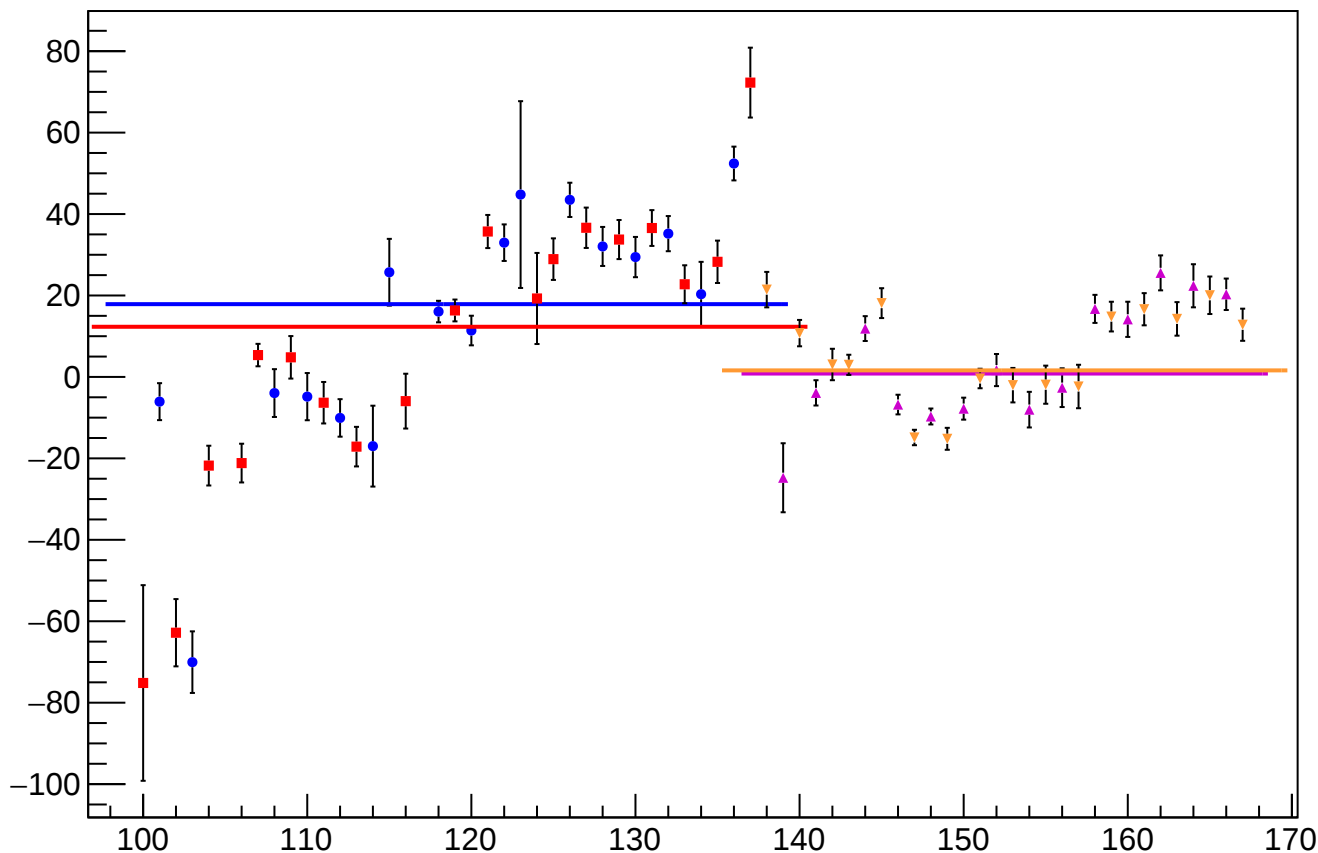
Left In: 221.812+/-1.298 χ^2/NDF :558.0/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 213.368+/-0.883 χ^2/NDF : 2101.8/29

- 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 ± 1.166 χ^2/NDF : 395.3/16

Left Out: 1.606 ± 0.819 χ^2/NDF : 227.7/15

Right Out: 12.317 ± 1.083 χ^2/NDF : 444.0/18

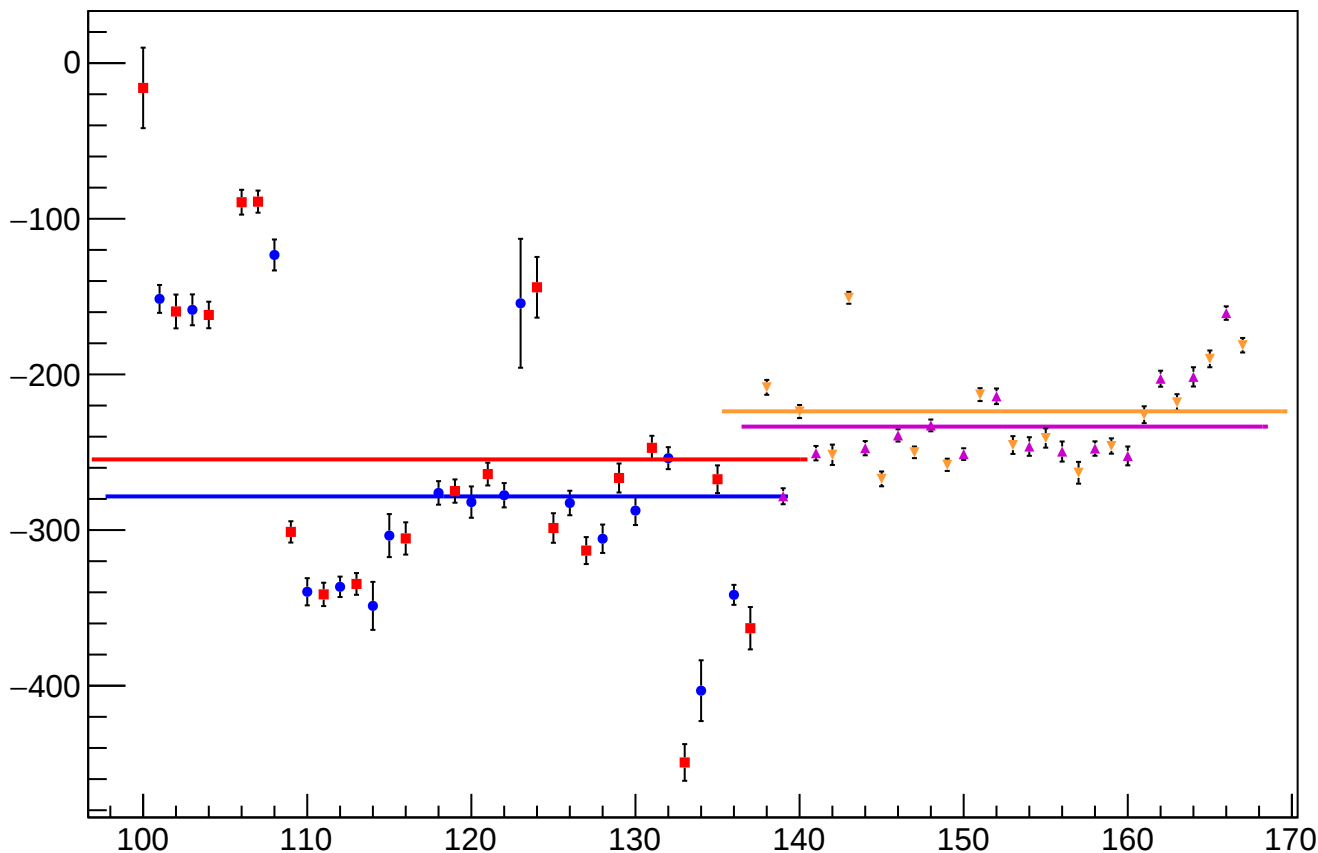
Left In: 0.831 ± 0.894 χ^2/NDF : 184.4/13

+ sign 6.984 ± 0.670 χ^2/NDF : 753.4/32

All: 6.256 ± 0.481 χ^2/NDF : 1451.1/65

- sign 5.485 ± 0.690 χ^2/NDF : 695.3/32

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

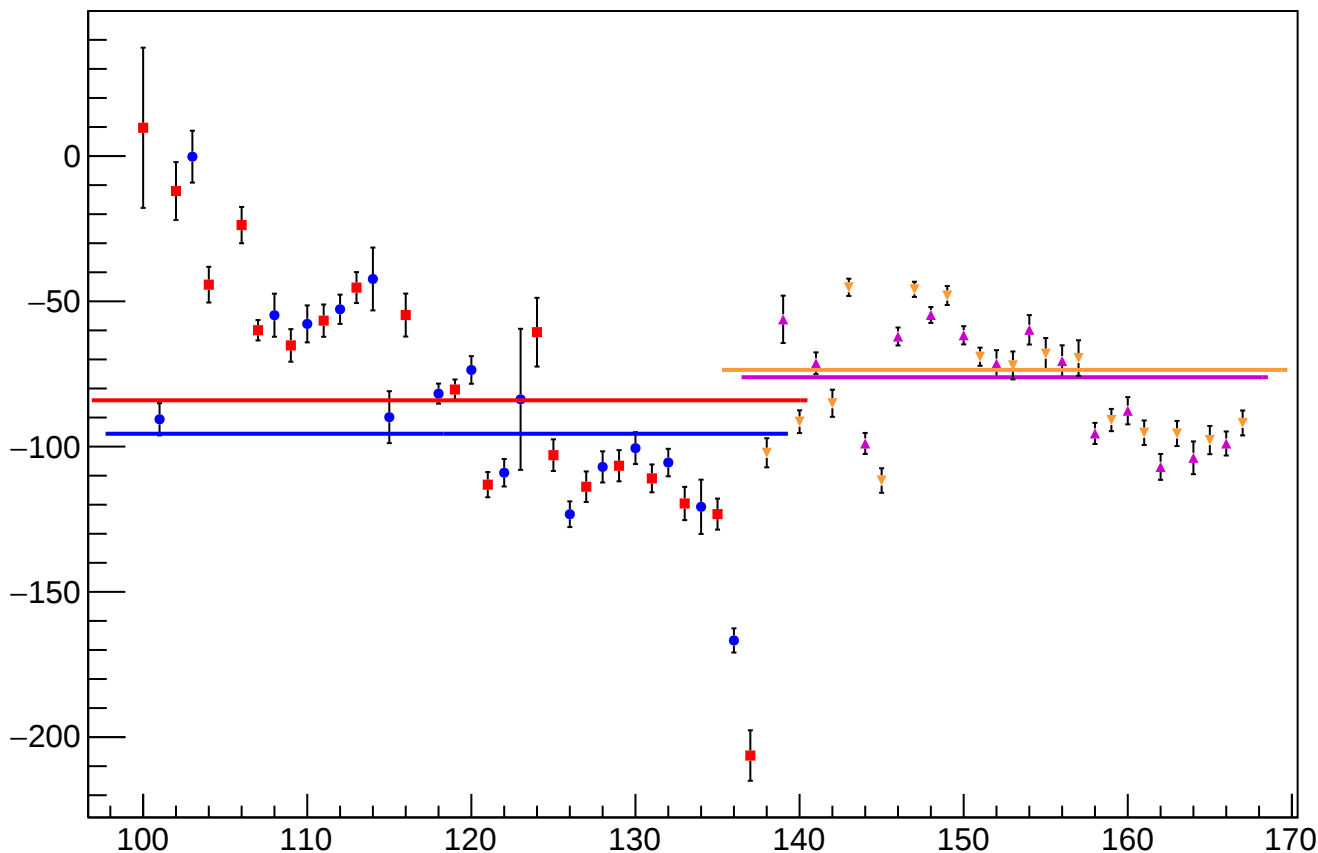
Left In: -233.537 ± 1.270 χ^2/NDF : 512.6/13

+ sign -236.327 ± 1.049 χ^2/NDF : 2197.2/32

All: -237.877 ± 0.751 χ^2/NDF : 4829.7/65

- sign -239.505 ± 1.075 χ^2/NDF : 2628.0/32

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

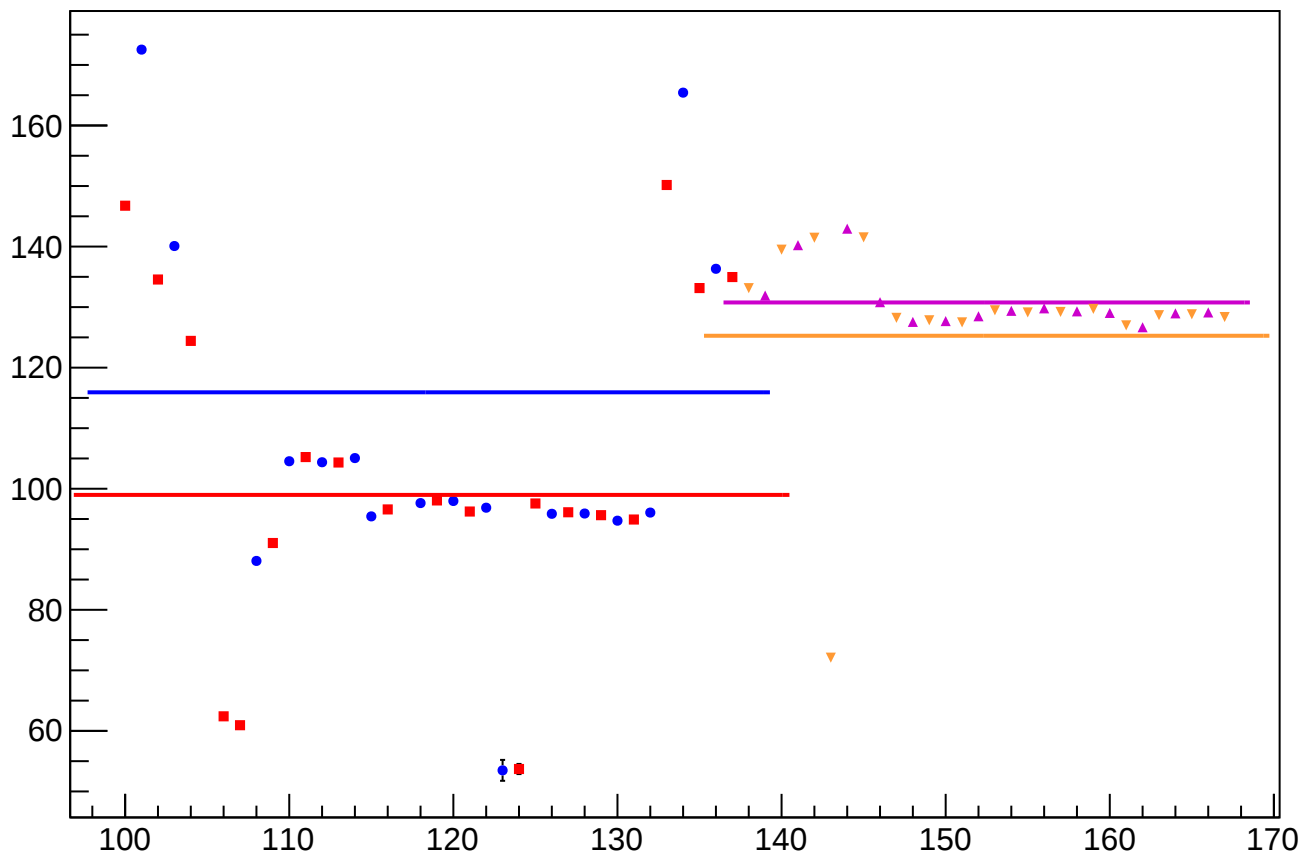
Left In: -76.128 ± 1.064 χ^2/NDF : 299.8/13

+ sign -81.244 ± 0.791 χ^2/NDF : 1372.1/32

All: -80.365 ± 0.566 χ^2/NDF : 2480.8/65

- sign -79.439 ± 0.812 χ^2/NDF : 1106.2/32

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.927 +/- 0.078 χ^2/NDF : 105791.4/16

Left Out: 125.268 +/- 0.048 χ^2/NDF : 142322.1/15

Right Out: 98.981 +/- 0.069 χ^2/NDF : 172974.2/18

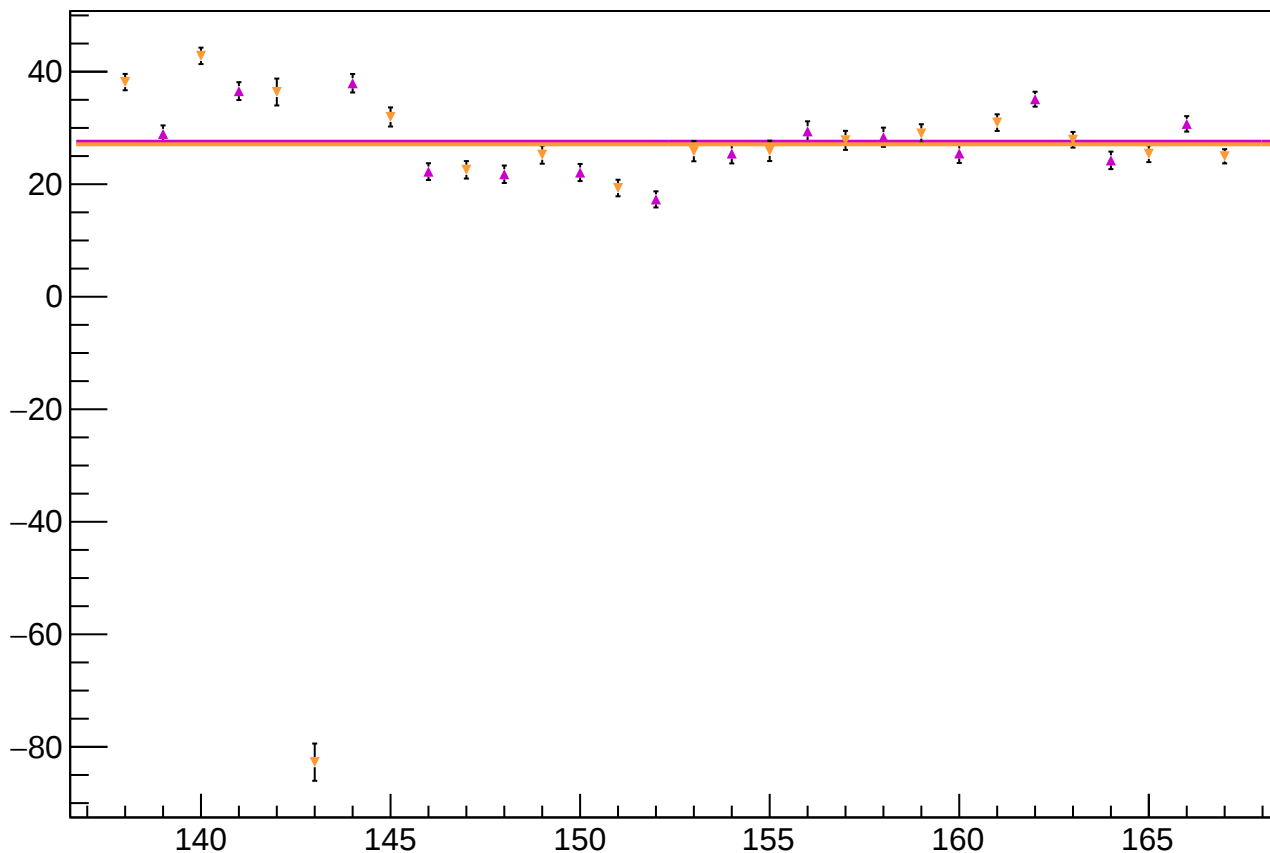
Left In: 130.768 +/- 0.051 χ^2/NDF : 7935.0/13

+ sign 122.710 +/- 0.041 χ^2/NDF : 258415.4/32

All: 121.063 +/- 0.029 χ^2/NDF : 580811.1/65

- sign 119.422 +/- 0.041 χ^2/NDF : 319178.9/32

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

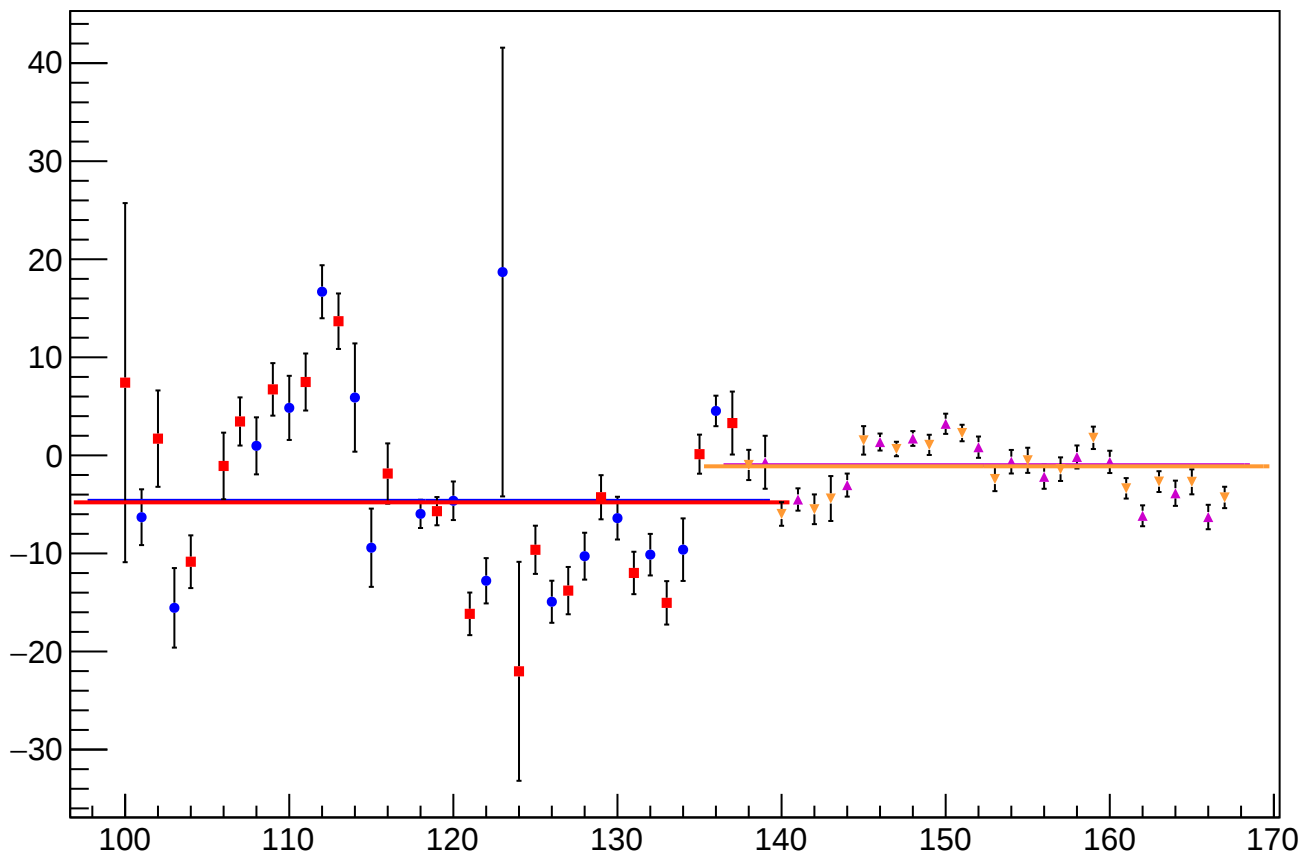
Left In: 27.547+/-0.414 χ^2/NDF :210.2/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 27.315+/-0.288 χ^2/NDF : 1560.1/29

- 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

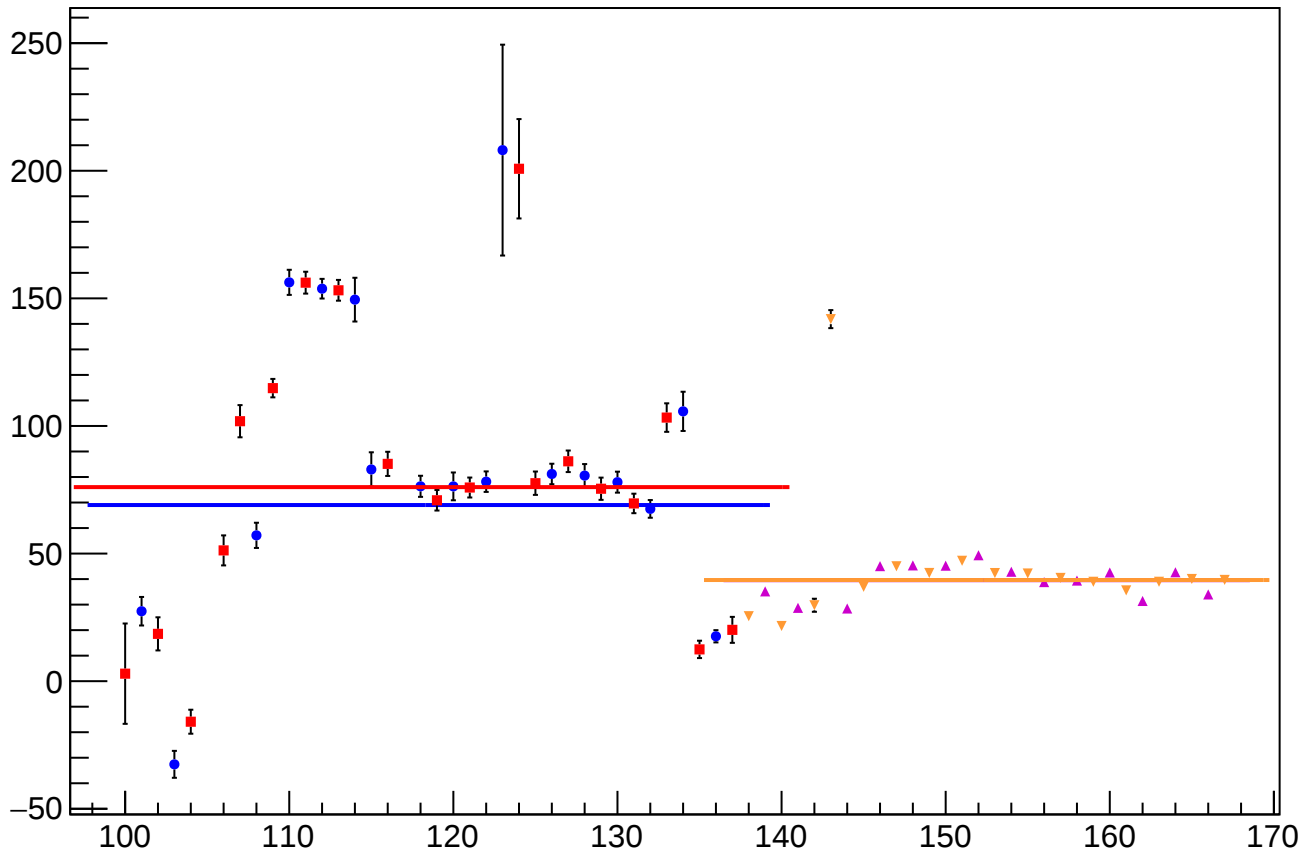
Left In: -1.002 ± 0.295 χ^2/NDF : 100.6/13

+ sign -1.783 ± 0.256 χ^2/NDF : 284.8/32

All: -1.777 ± 0.183 χ^2/NDF : 611.4/65

- sign -1.771 ± 0.263 χ^2/NDF : 326.6/32

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019+/-1.083 χ^2/NDF : 1848.0/16

Left Out: 39.633+/-0.394 χ^2/NDF : 1129.5/15

Right Out: 76.041+/-1.070 χ^2/NDF : 1881.9/18

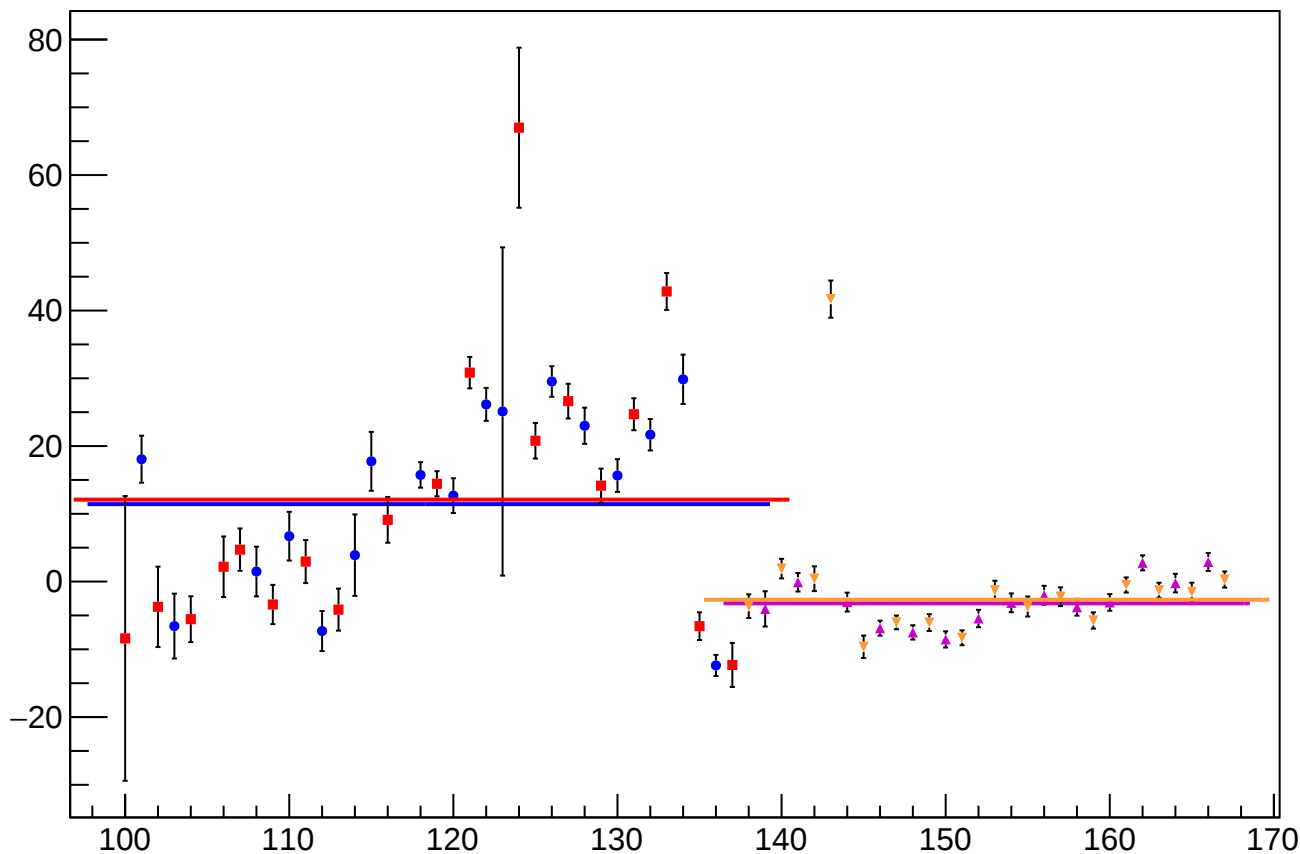
Left In: 39.571+/-0.403 χ^2/NDF : 254.4/13

+ sign 43.059+/-0.370 χ^2/NDF : 3627.4/32

All: 43.573+/-0.264 χ^2/NDF : 6785.1/65

- sign 44.108+/-0.377 χ^2/NDF : 3153.7/32

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 $\pm$ 0.665 χ^2 /NDF: 476.8/16

Left Out: -2.675 $\pm$ 0.331 χ^2 /NDF:357.6/15

Right Out: 12.095 $\pm$ 0.664 χ^2 /NDF: 539.1/18

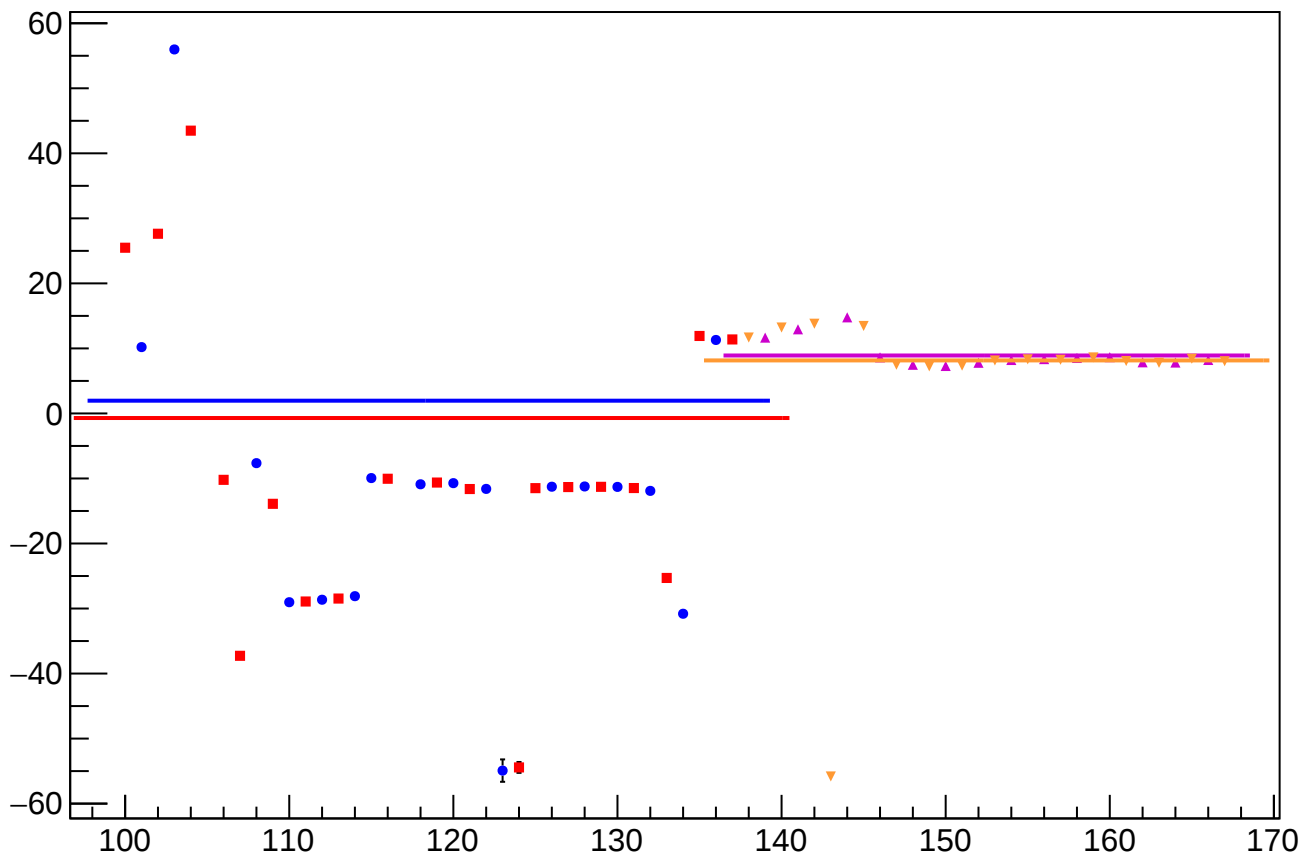
Left In: -3.215 $\pm$ 0.344 χ^2 /NDF:111.5/13

+ sign 0.124 $\pm$ 0.296 χ^2 /NDF: 1194.3/32

All: 0.073 $\pm$ 0.213 χ^2 /NDF: 2264.4/65

- sign 0.018 $\pm$ 0.305 χ^2 /NDF: 1070.0/32

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 $\pm$ 0.037 χ^2/NDF : 358457.0/16

Left Out: 8.153 $\pm$ 0.015 χ^2/NDF : 222585.9/15

Right Out: -0.704 $\pm$ 0.037 χ^2/NDF : 361168.6/18

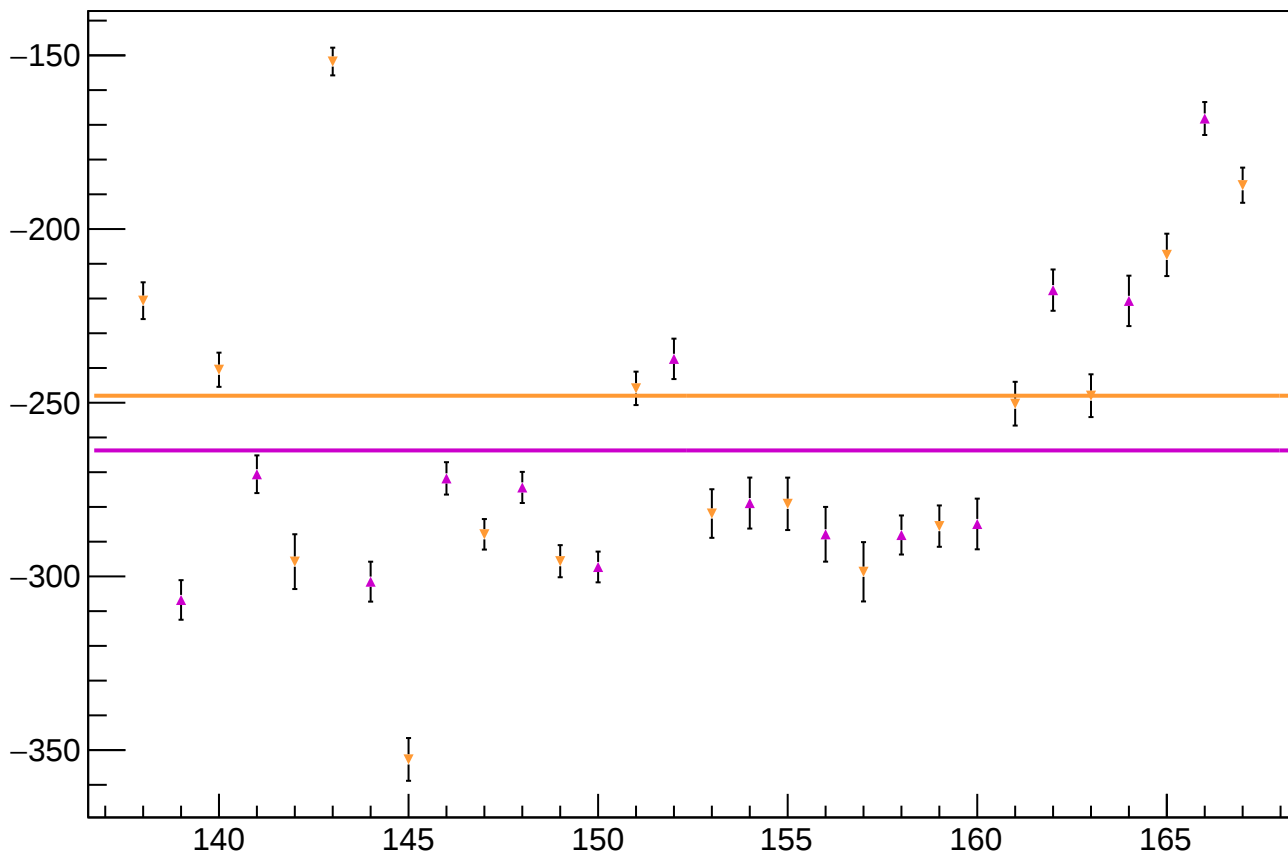
Left In: 8.910 $\pm$ 0.016 χ^2/NDF : 14468.7/13

+ sign 7.238 $\pm$ 0.014 χ^2/NDF : 604727.7/32

All: 7.324 $\pm$ 0.010 χ^2/NDF : 1037090.5/65

- sign 7.416 $\pm$ 0.015 χ^2/NDF : 432286.8/32

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

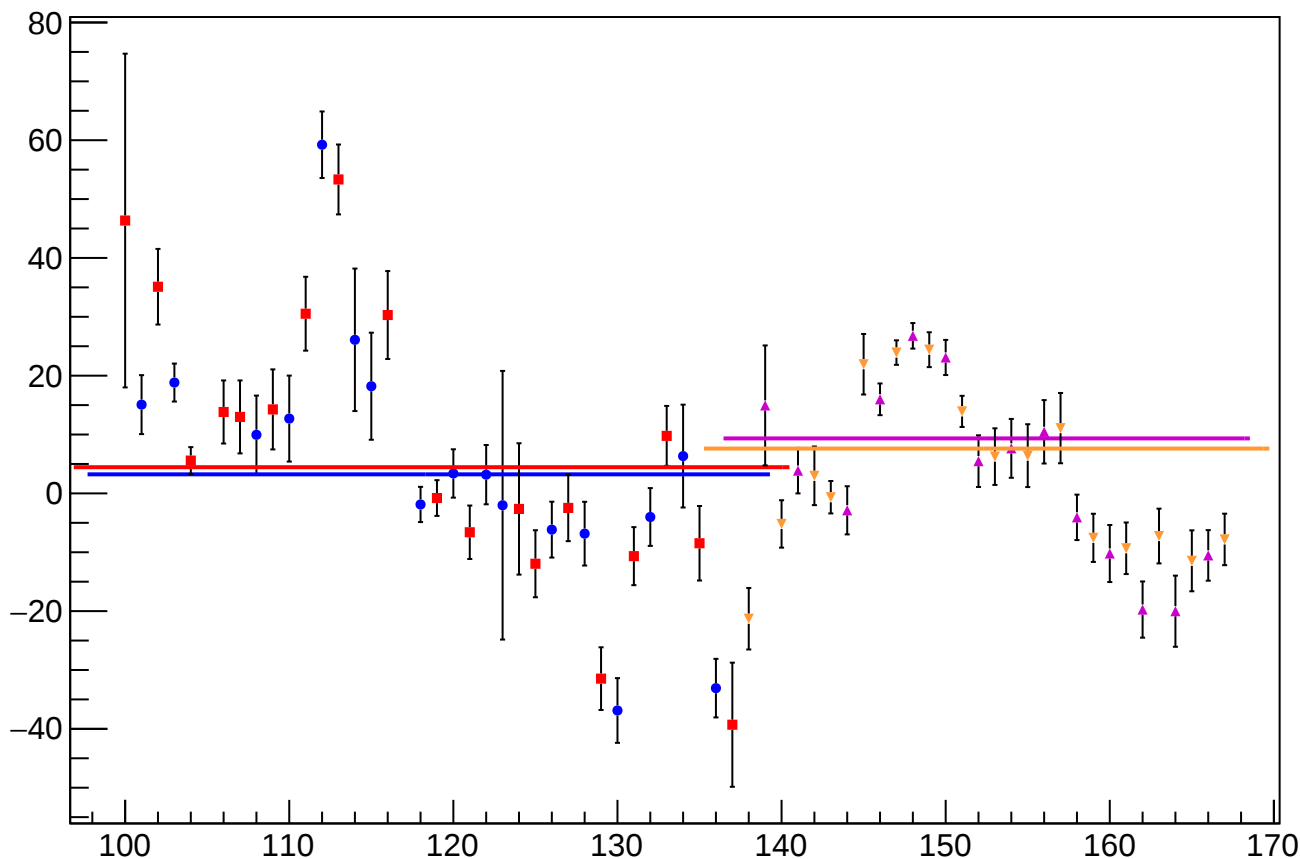
Left In: -263.732 ± 1.494 χ^2/NDF : 730.6/13

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -255.262 ± 1.016 χ^2/NDF : 2218.8/29

- 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

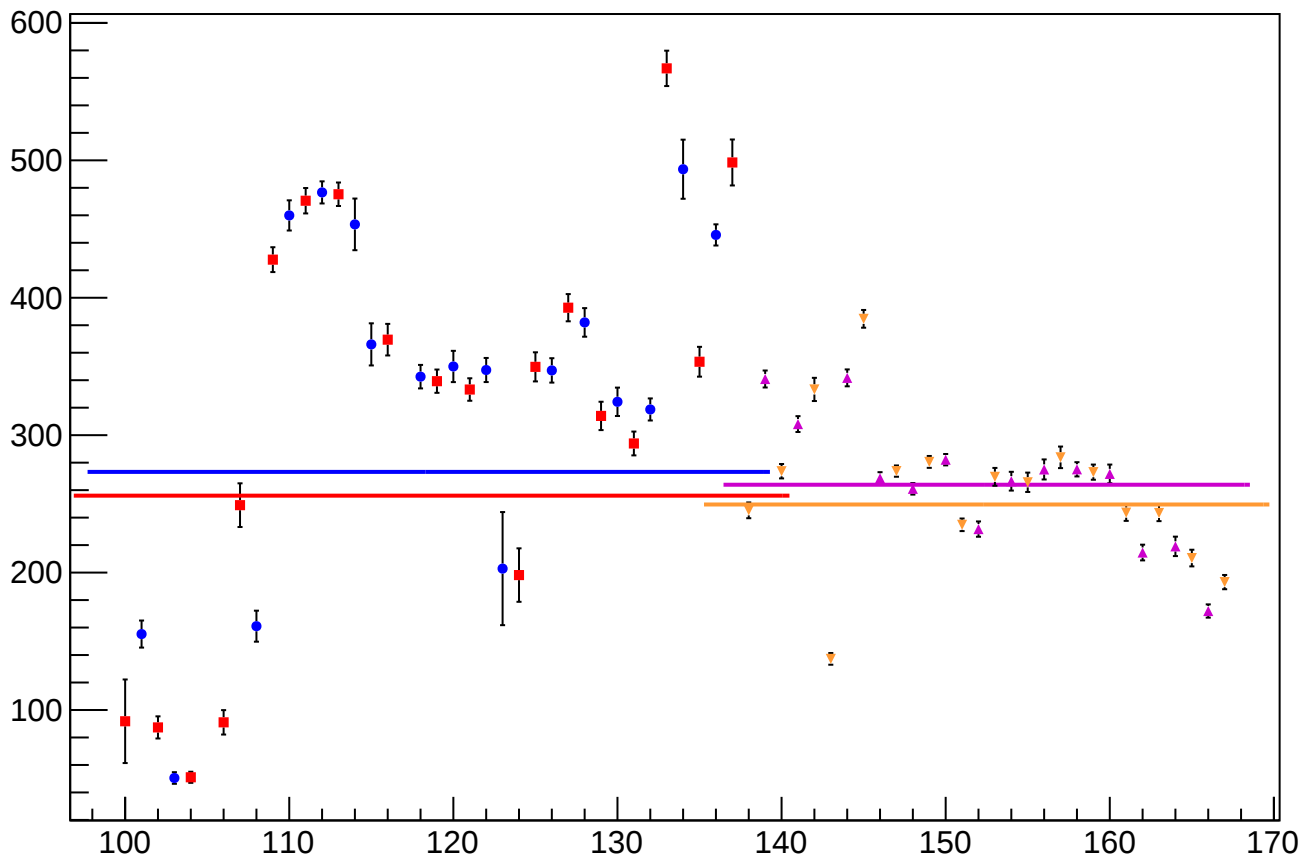
Left In: 9.340 ± 1.020 χ^2/NDF : 214.4/13

+ sign 6.039 ± 0.746 χ^2/NDF : 486.2/32

All: 6.605 ± 0.534 χ^2/NDF : 937.6/65

- sign 7.201 ± 0.765 χ^2/NDF : 450.2/32

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 $\pm$ 2.205 χ^2 /NDF: 5101.5/16

Left Out: 249.551 $\pm$ 1.368 χ^2 /NDF: 1565.4/15

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

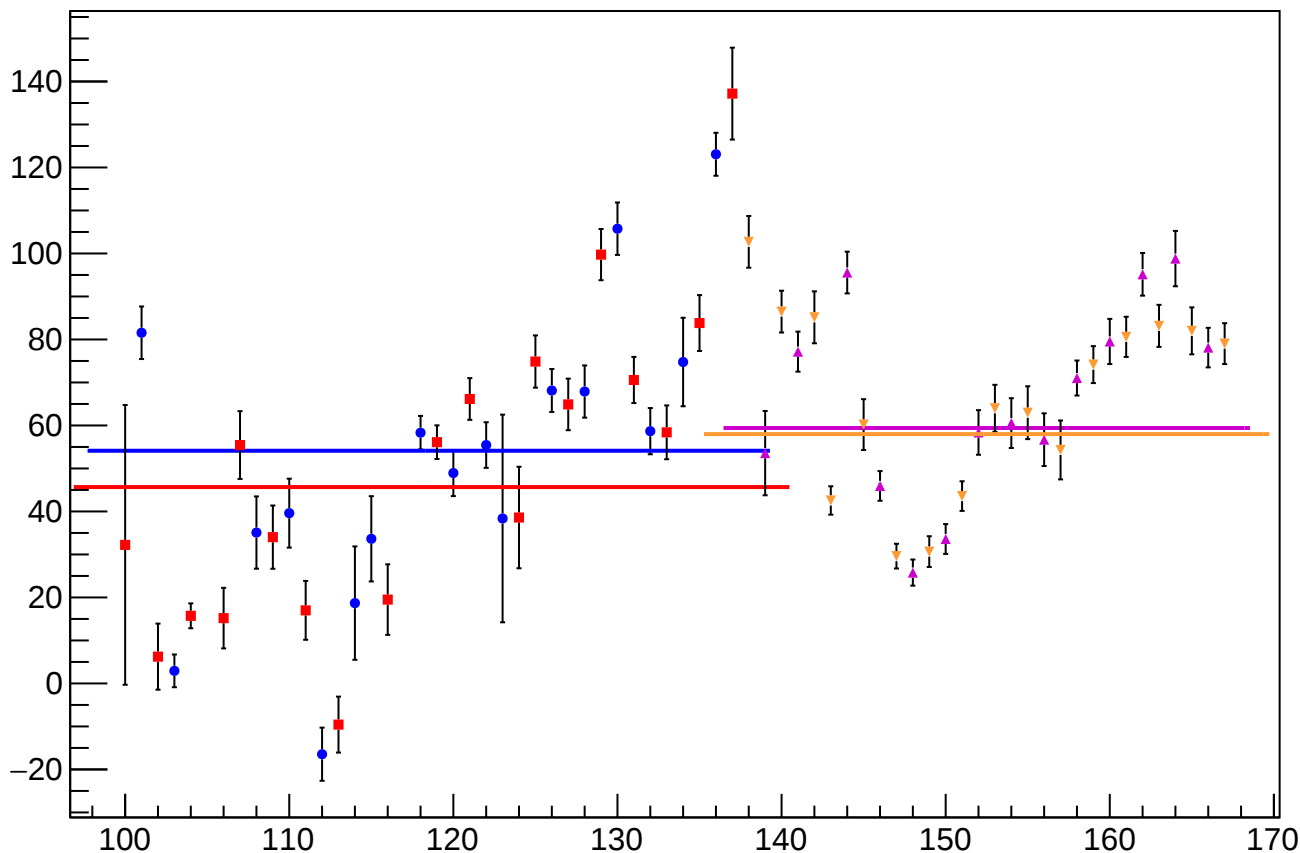
Left In: 263.929 $\pm$ 1.454 χ^2 /NDF: 913.0/13

+ sign 256.150 $\pm$ 1.163 χ^2 /NDF: 6750.5/32

All: 258.671 $\pm$ 0.832 χ^2 /NDF: 14121.4/65

- sign 261.321 $\pm$ 1.192 χ^2 /NDF: 7361.2/32

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

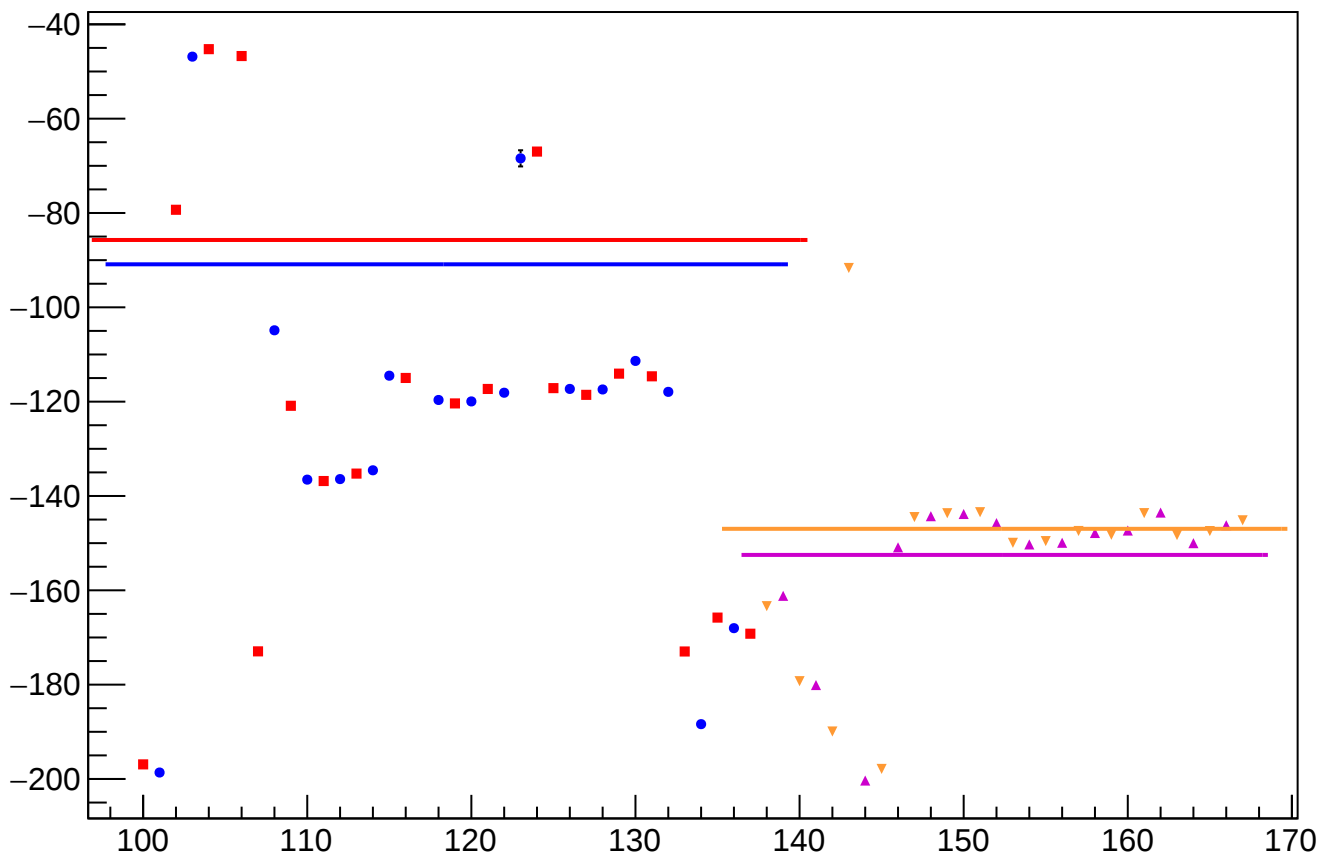
Left In: 59.411 $\pm$ 1.216 χ^2 /NDF: 392.7/13

+ sign 56.534 $\pm$ 0.882 χ^2 /NDF: 1048.9/32

All: 54.958 $\pm$ 0.632 χ^2 /NDF: 2036.1/65

- sign 53.297 $\pm$ 0.905 χ^2 /NDF: 980.6/32

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

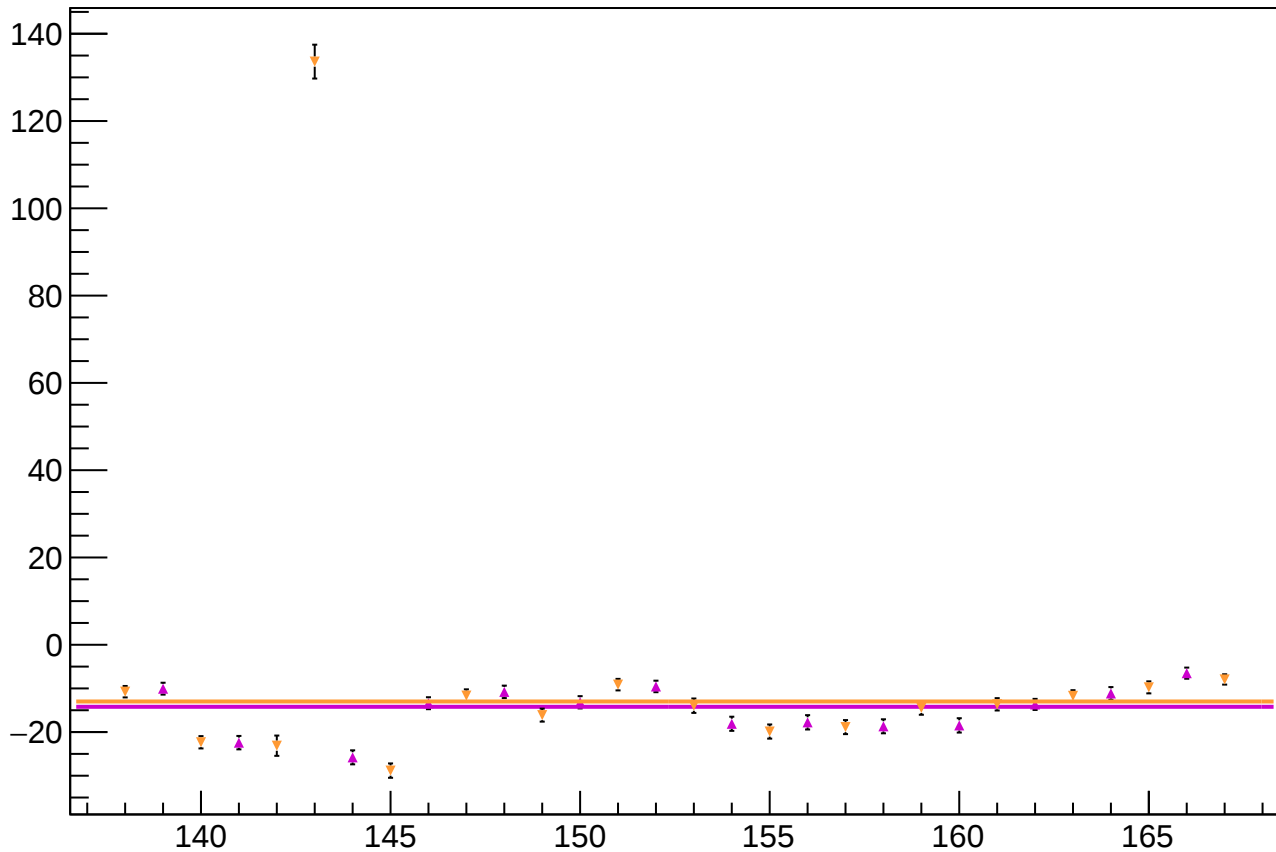
Left In: -152.495 $\pm$ 0.059 χ^2 /NDF:56334.3/13

+ sign -124.605 $\pm$ 0.043 χ^2 /NDF: 1132574.7/32

All: -123.642 $\pm$ 0.031 χ^2 /NDF: 2266501.3/65

- sign -122.646 $\pm$ 0.044 χ^2 /NDF: 1132894.7/32

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

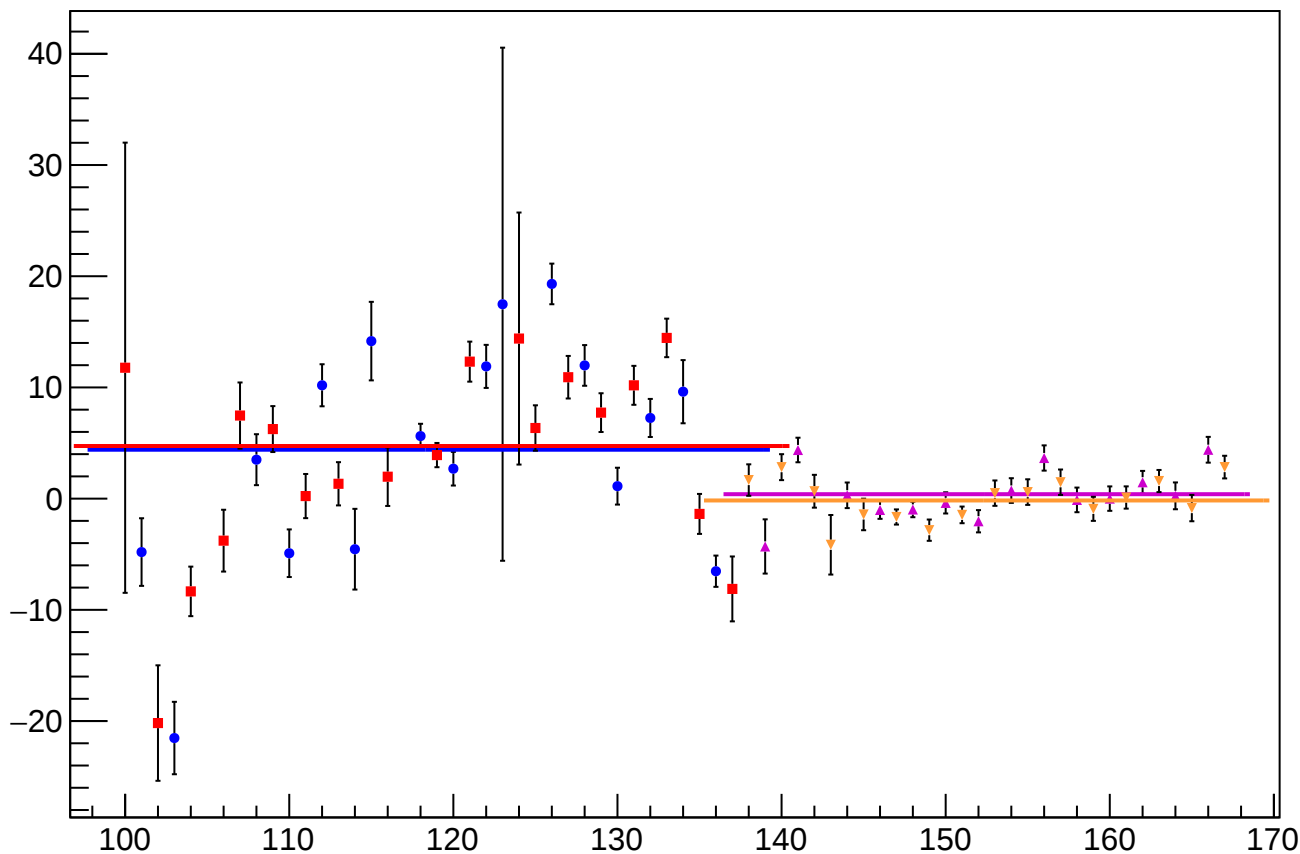
Left In: -14.210+/-0.387 χ^2/NDF :174.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -13.583+/-0.270 χ^2/NDF : 1836.2/29

- 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 $\chi^2/\text{NDF}: 286.8/16$

Left Out: -0.164 ± 0.265 $\chi^2/\text{NDF}: 42.6/15$

Right Out: 4.732 ± 0.473 $\chi^2/\text{NDF}: 182.9/18$

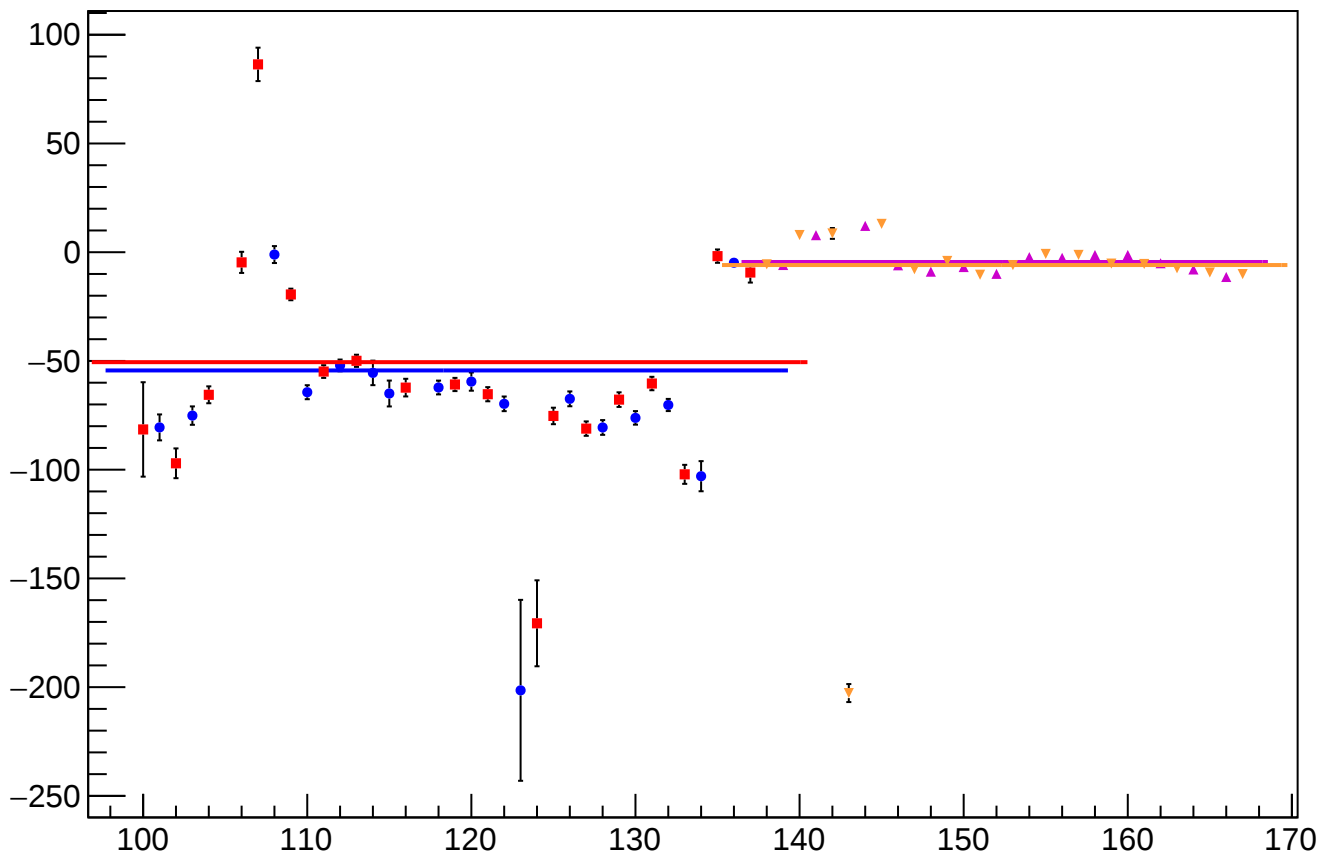
Left In: 0.399 ± 0.276 $\chi^2/\text{NDF}: 51.9/13$

+ sign 0.936 ± 0.231 $\chi^2/\text{NDF}: 400.7/32$

All: 1.210 ± 0.166 $\chi^2/\text{NDF}: 700.9/65$

- sign 1.502 ± 0.239 $\chi^2/\text{NDF}: 297.4/32$

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

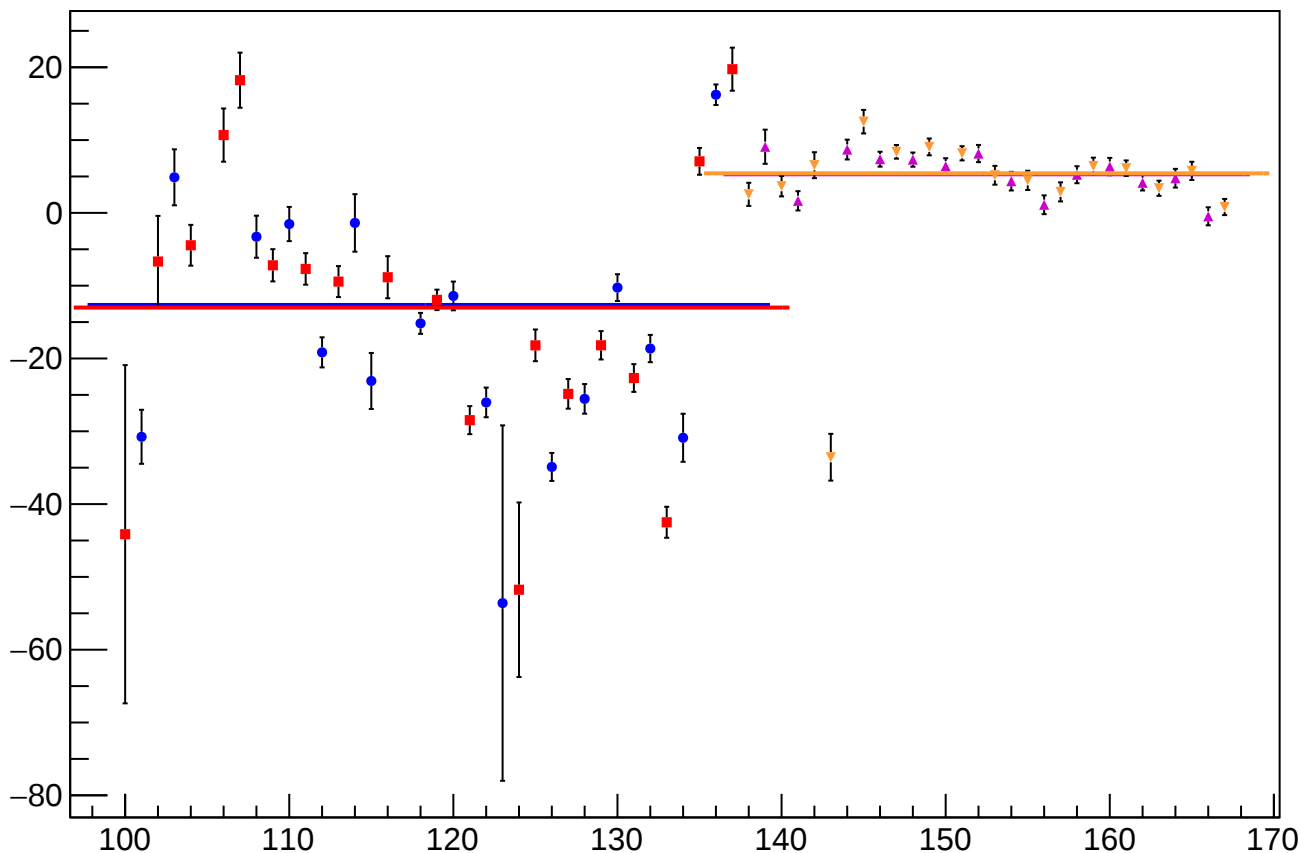
Left In: -4.497 ± 0.377 χ^2/NDF : 231.9/13

+ sign -13.283 ± 0.339 χ^2/NDF : 6210.0/32

All: -12.639 ± 0.242 χ^2/NDF : 10187.3/65

- sign -11.970 ± 0.345 χ^2/NDF : 3969.9/32

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

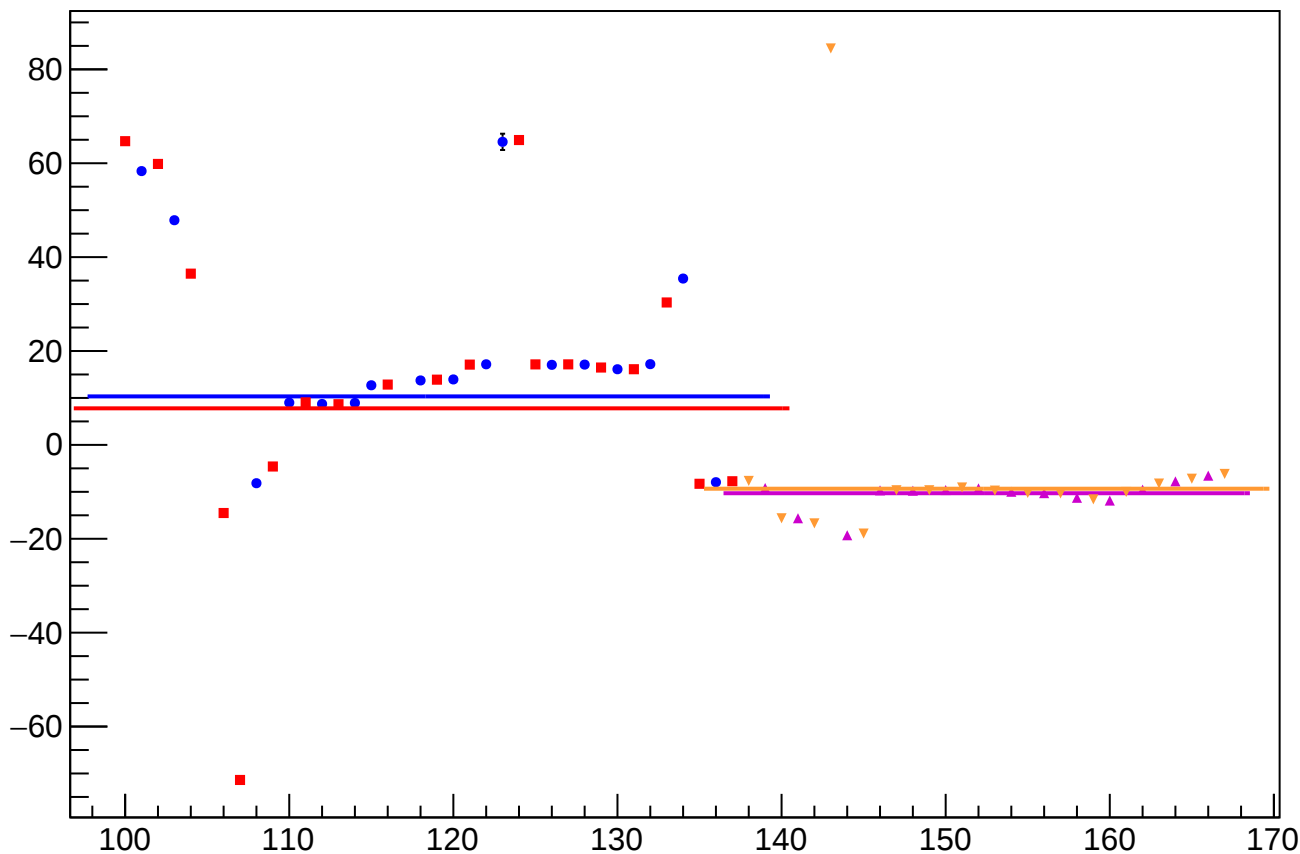
Left In: 5.299 ± 0.322 χ^2/NDF : 66.5/13

+ sign 0.906 ± 0.268 χ^2/NDF : 1867.2/32

All: 0.689 ± 0.193 χ^2/NDF : 3509.4/65

- sign 0.459 ± 0.276 χ^2/NDF : 1640.8/32

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

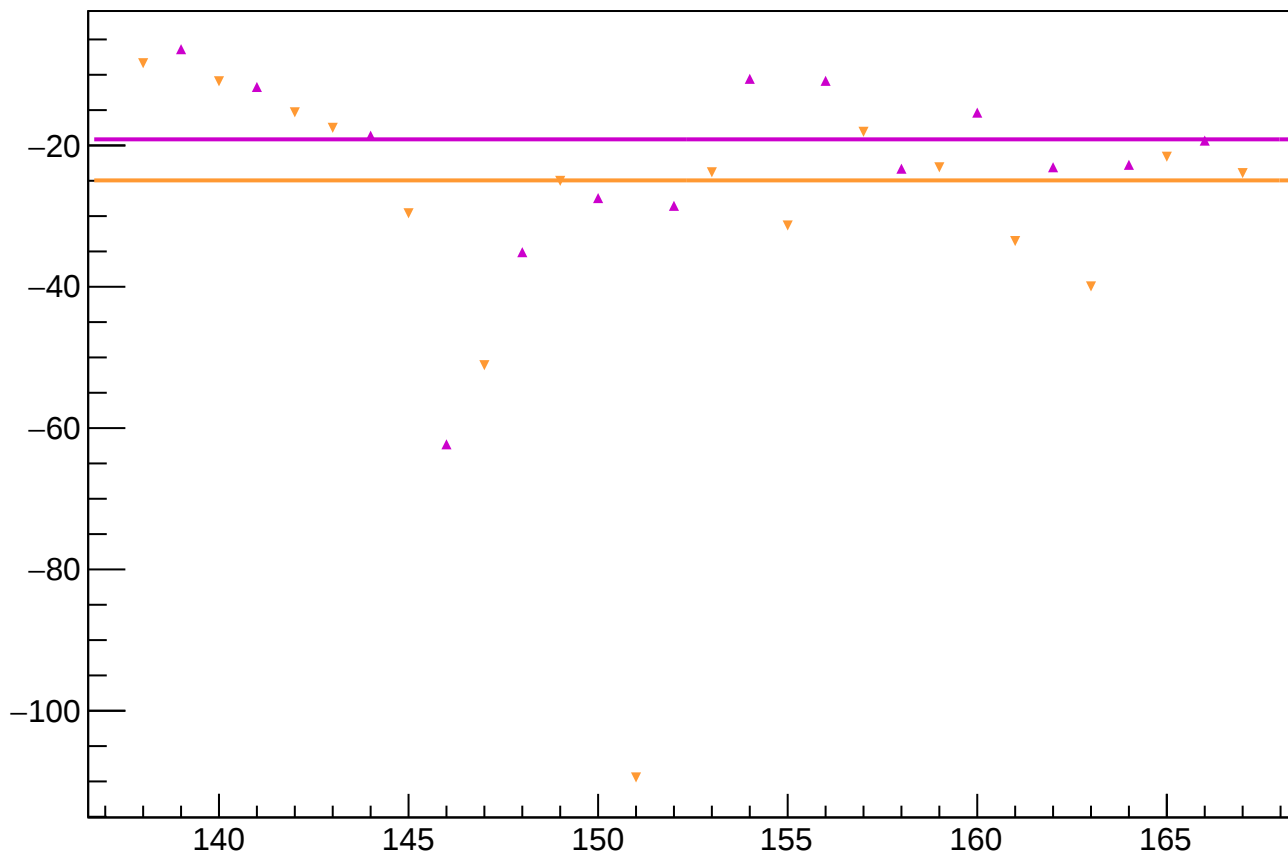
Left In: -10.297 ± 0.015 χ^2/NDF : 29346.7/13

+ sign -5.756 ± 0.013 χ^2/NDF : 1080478.3/32

All: -6.341 ± 0.009 χ^2/NDF : 1930142.2/65

- sign -6.959 ± 0.013 χ^2/NDF : 845555.2/32

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -24.946+/-0.062 χ^2/NDF : 56752.8/15

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

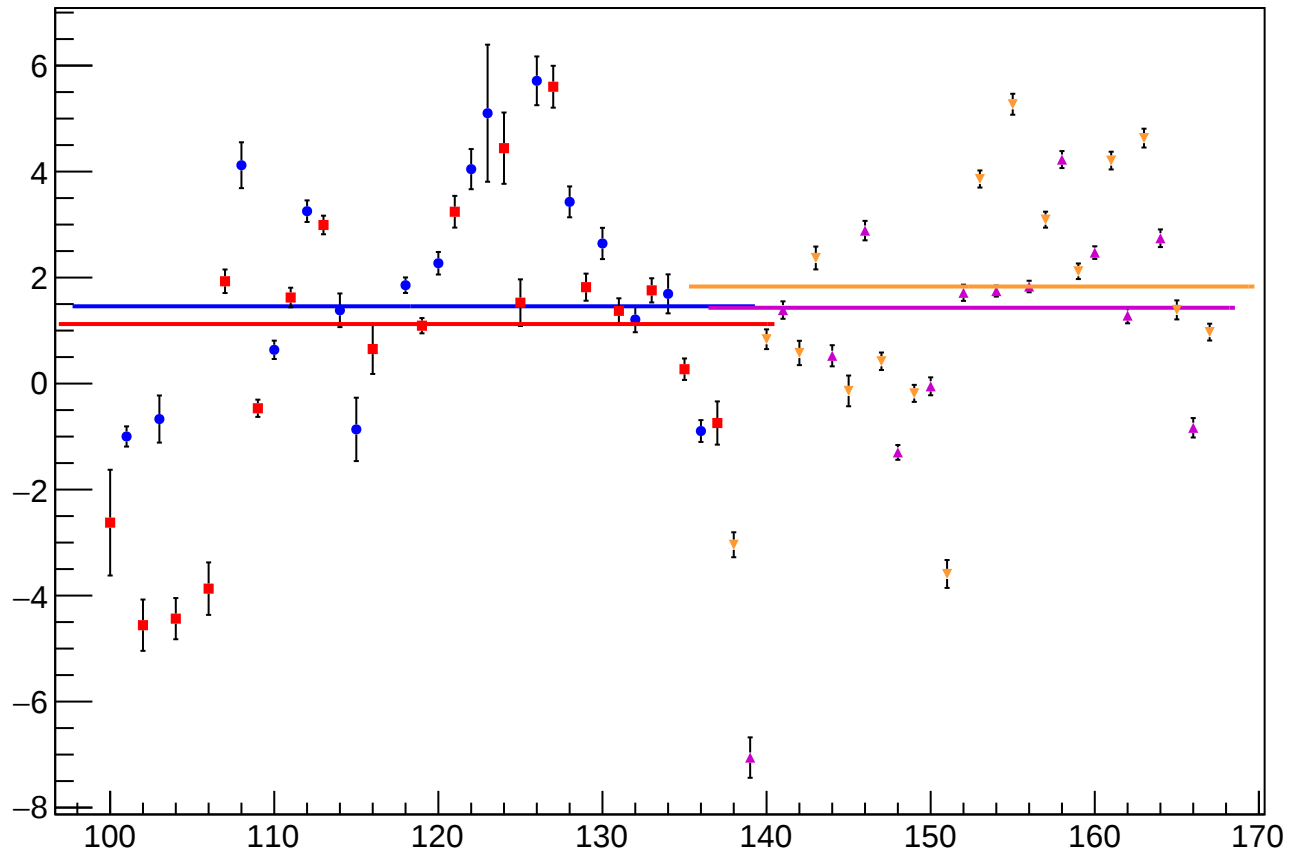
Left In: -19.138+/-0.056 χ^2/NDF : 37037.8/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.741+/-0.041 χ^2/NDF : 98697.9/29

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 $\pm$ 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

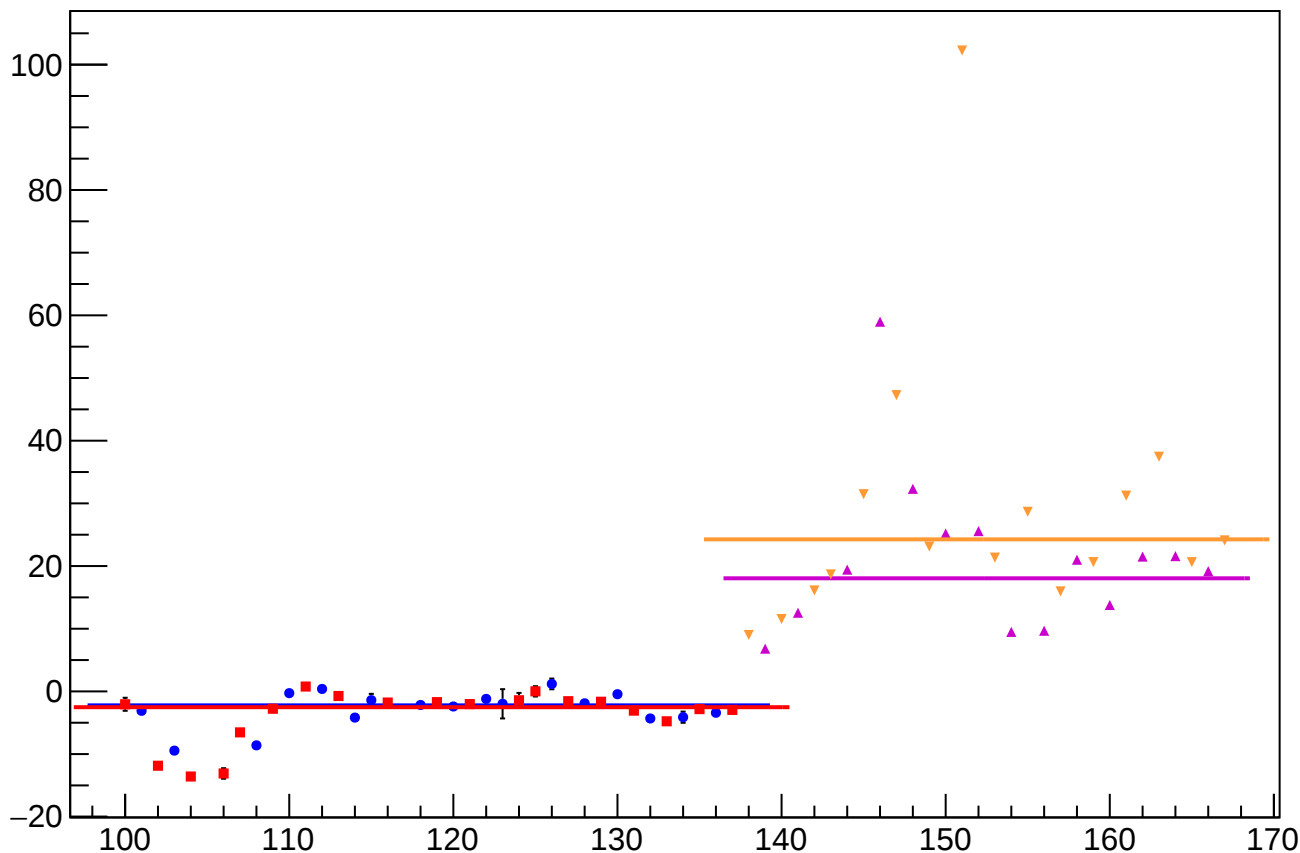
Left In: 1.430 $\pm$ 0.040 χ^2/NDF :1659.4/13

+ sign 1.700 $\pm$ 0.037 χ^2/NDF : 2936.2/32

All: 1.496 $\pm$ 0.024 χ^2/NDF : 5617.8/65

- sign 1.332 $\pm$ 0.033 χ^2/NDF : 2625.8/32

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 24.259 ± 0.061 χ^2/NDF : 50831.2/15

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

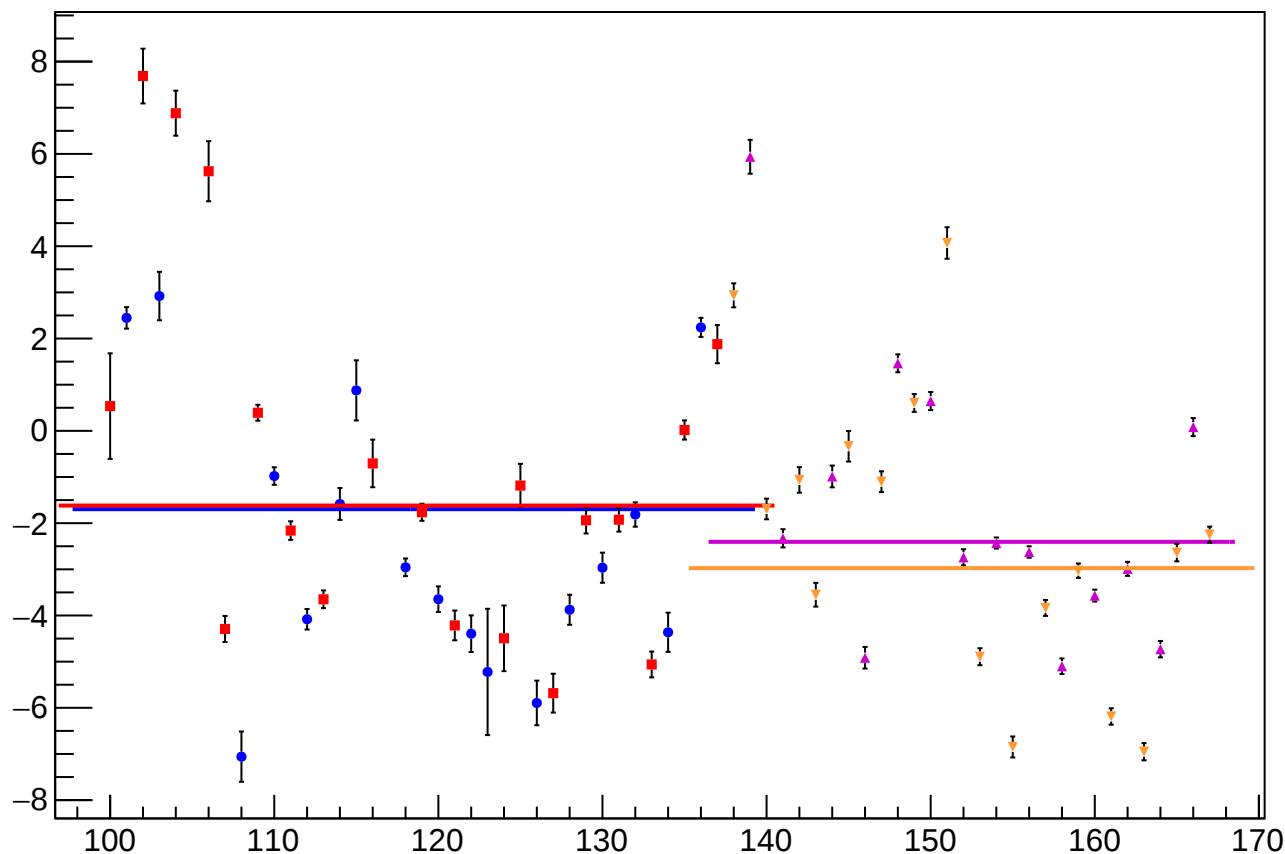
Left In: 18.045 ± 0.053 χ^2/NDF : 35151.2/13

+ sign 18.209 ± 0.053 χ^2/NDF : 95015.1/32

All: 15.510 ± 0.035 χ^2/NDF : 169076.1/65

- sign 13.399 ± 0.047 χ^2/NDF : 69471.9/32

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 $\chi^2/\text{NDF}: 1319.4/16$

Left Out: -2.974 ± 0.052 $\chi^2/\text{NDF}: 2730.5/15$

Right Out: -1.618 ± 0.066 $\chi^2/\text{NDF}: 1489.2/18$

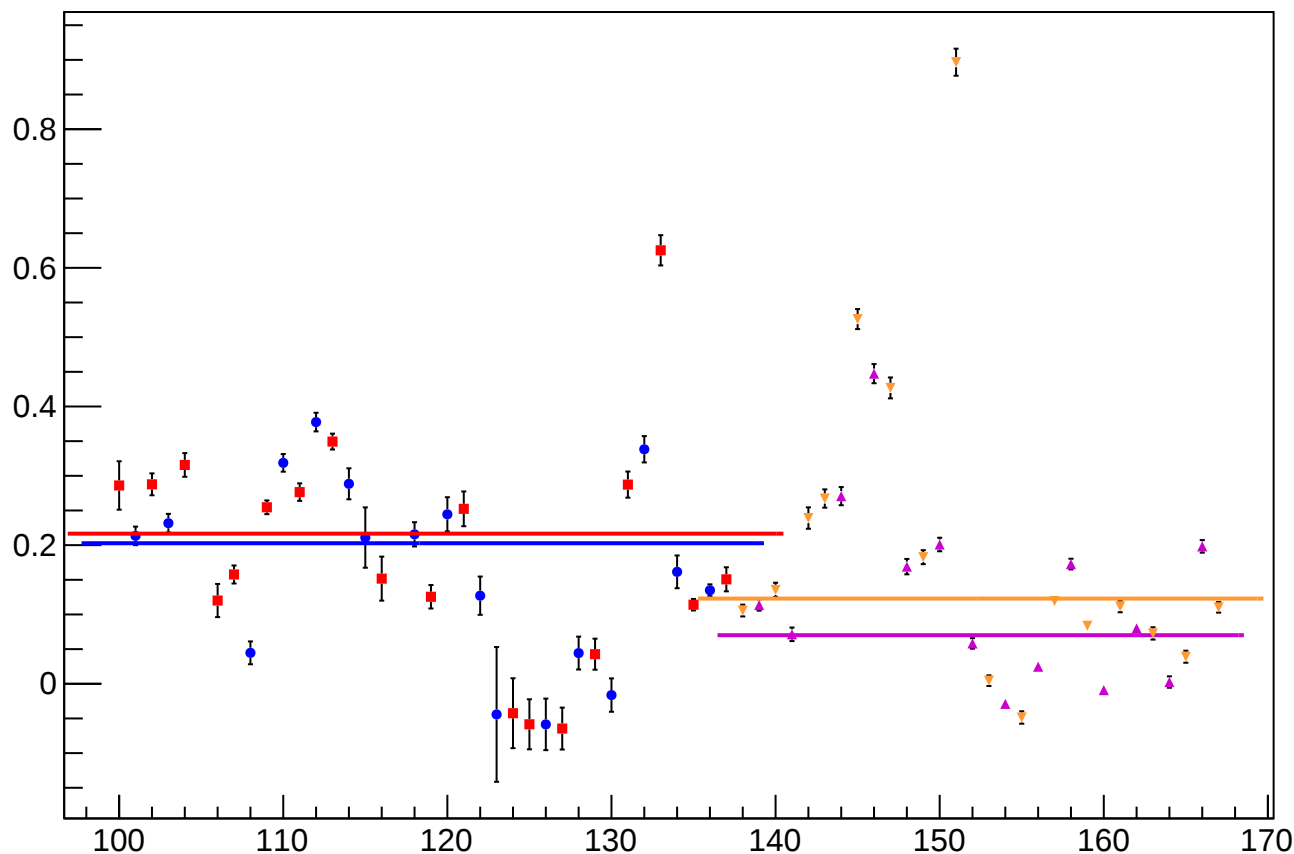
Left In: -2.404 ± 0.045 $\chi^2/\text{NDF}: 1997.2/13$

+ sign -2.530 ± 0.042 $\chi^2/\text{NDF}: 4260.3/32$

All: -2.319 ± 0.028 $\chi^2/\text{NDF}: 7889.6/65$

- sign -2.151 ± 0.037 $\chi^2/\text{NDF}: 3583.4/32$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 676.5/16

Left Out: 0.123 $\pm$ 0.002 χ^2 /NDF:3734.7/15

Right Out: 0.217 $\pm$ 0.004 χ^2 /NDF: 1064.4/18

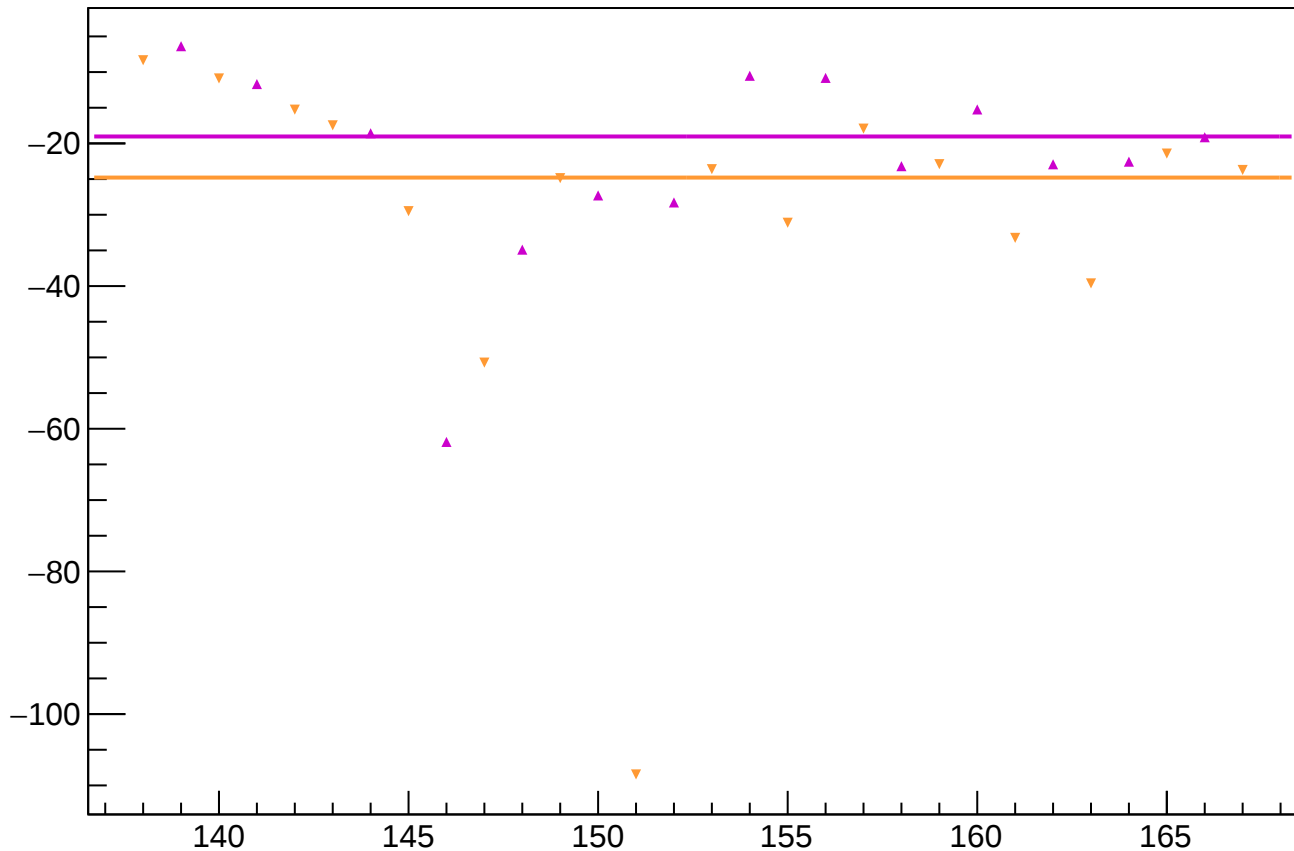
Left In: 0.070 $\pm$ 0.002 χ^2 /NDF:2382.9/13

+ sign 0.142 $\pm$ 0.002 χ^2 /NDF: 4692.2/32

All: 0.120 $\pm$ 0.001 χ^2 /NDF: 9561.3/65

- sign 0.103 $\pm$ 0.002 χ^2 /NDF: 4660.6/32

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

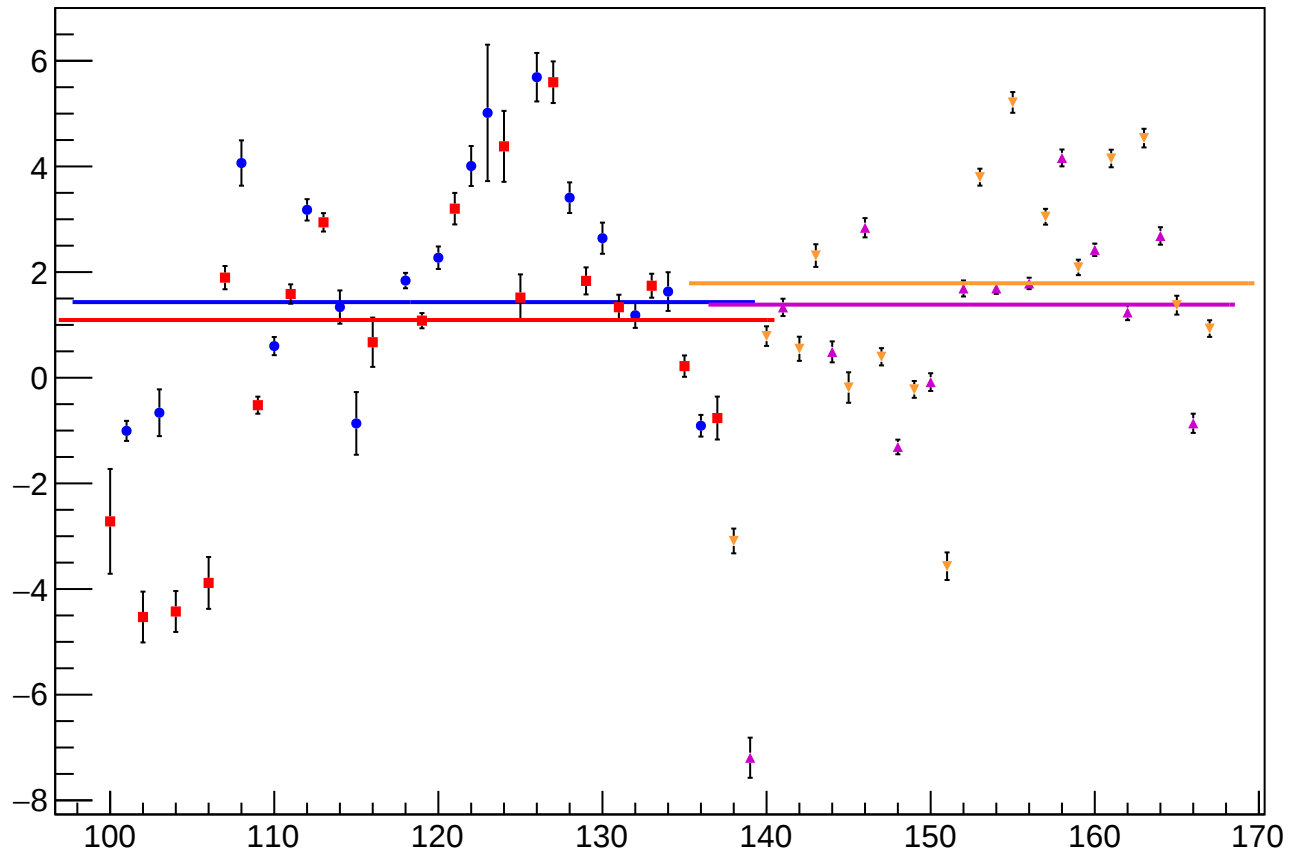
Left In: -19.028+/-0.055 χ^2/NDF : 36947.1/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.611+/-0.041 χ^2/NDF : 98406.1/29

- 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

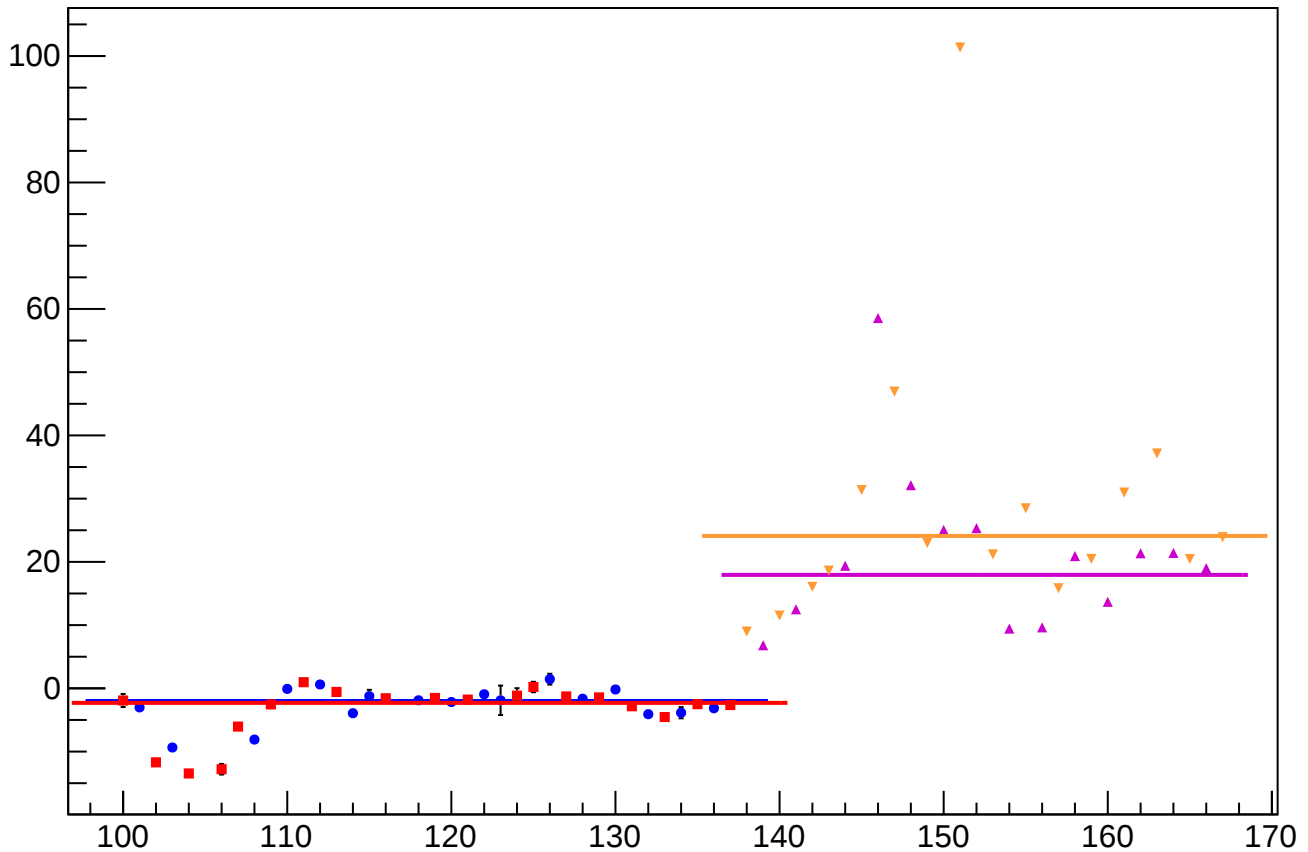
Left In: 1.384 $\pm$ 0.040 χ^2/NDF :1670.0/13

+ sign 1.664 $\pm$ 0.036 χ^2/NDF : 2931.9/32

All: 1.457 $\pm$ 0.024 χ^2/NDF : 5630.2/65

- sign 1.291 $\pm$ 0.033 χ^2/NDF : 2640.5/32

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 $\chi^2/\text{NDF}: 463.1/16$

Left Out: 24.103 ± 0.060 $\chi^2/\text{NDF}: 50693.6/15$

Right Out: -2.295 ± 0.098 $\chi^2/\text{NDF}: 907.2/18$

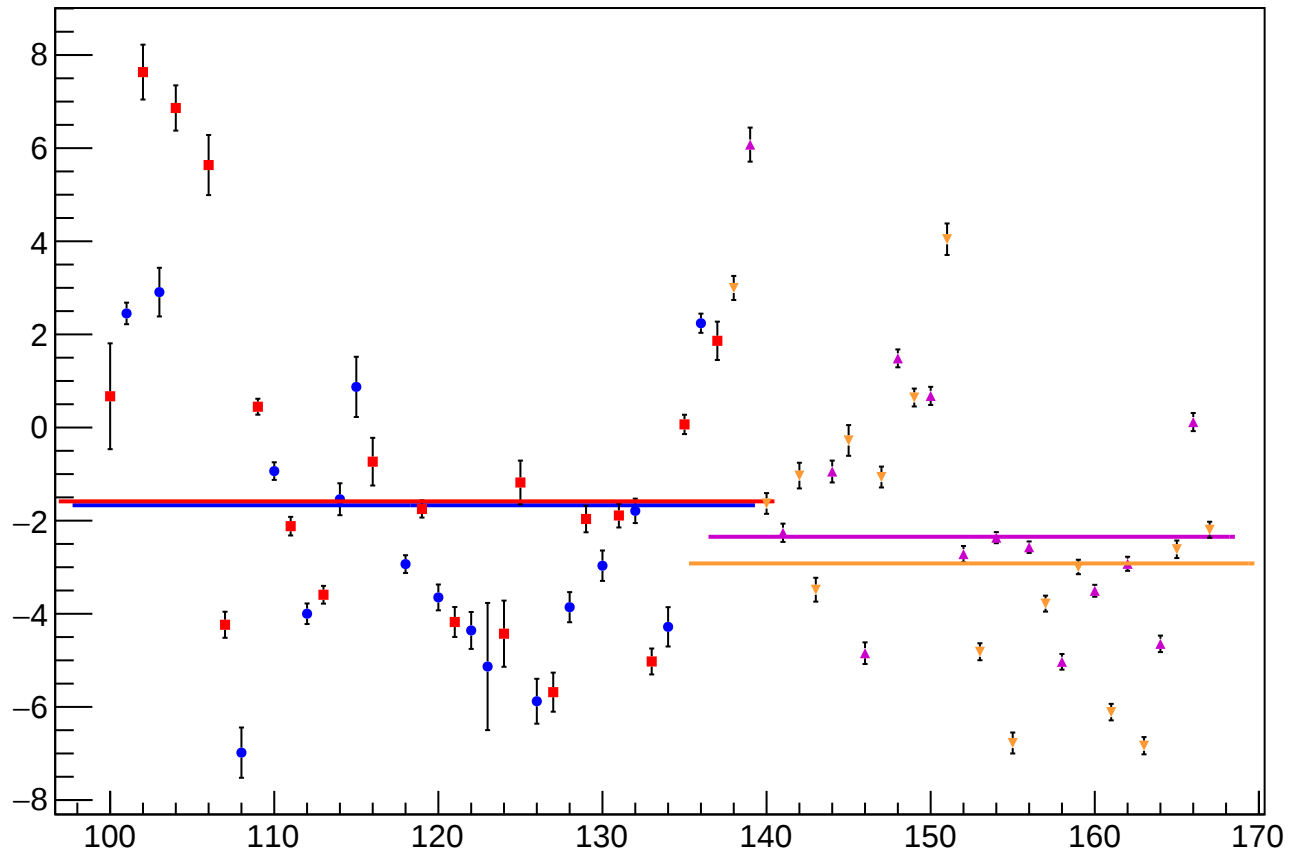
Left In: 17.942 ± 0.053 $\chi^2/\text{NDF}: 35074.6/13$

+ sign 18.154 ± 0.053 $\chi^2/\text{NDF}: 94089.8/32$

All: 15.474 ± 0.035 $\chi^2/\text{NDF}: 167368.8/65$

- sign 13.376 ± 0.047 $\chi^2/\text{NDF}: 68696.3/32$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.919 ± 0.052 χ^2/NDF : 2728.2/15

Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18

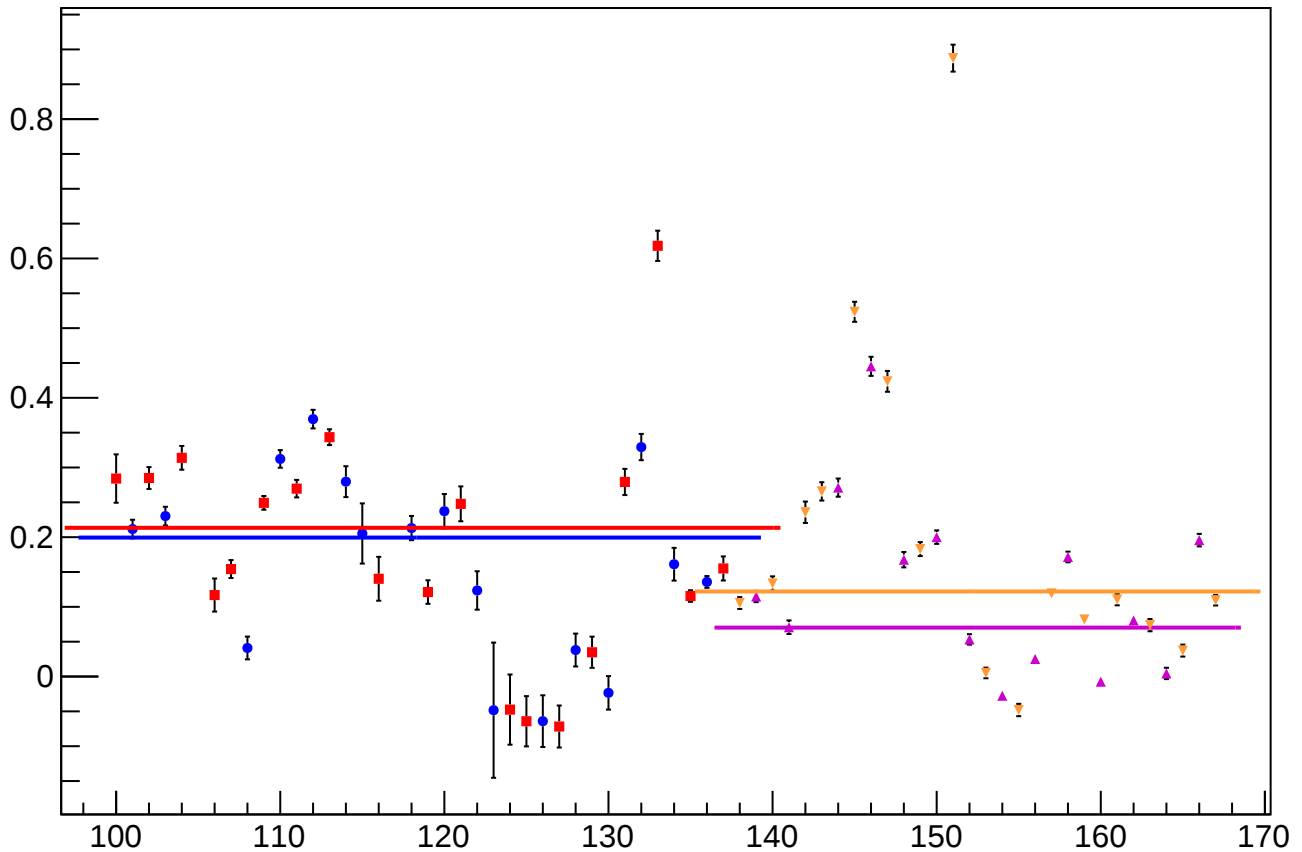
Left In: -2.346 ± 0.045 χ^2/NDF : 2009.3/13

+ sign -2.486 ± 0.042 χ^2/NDF : 4247.0/32

All: -2.271 ± 0.028 χ^2/NDF : 7890.4/65

- sign -2.101 ± 0.037 χ^2/NDF : 3595.8/32

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 $\pm$ 0.004 χ^2 /NDF: 662.1/16

Left Out: 0.122 $\pm$ 0.002 χ^2 /NDF: 3729.6/15

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1048.2/18

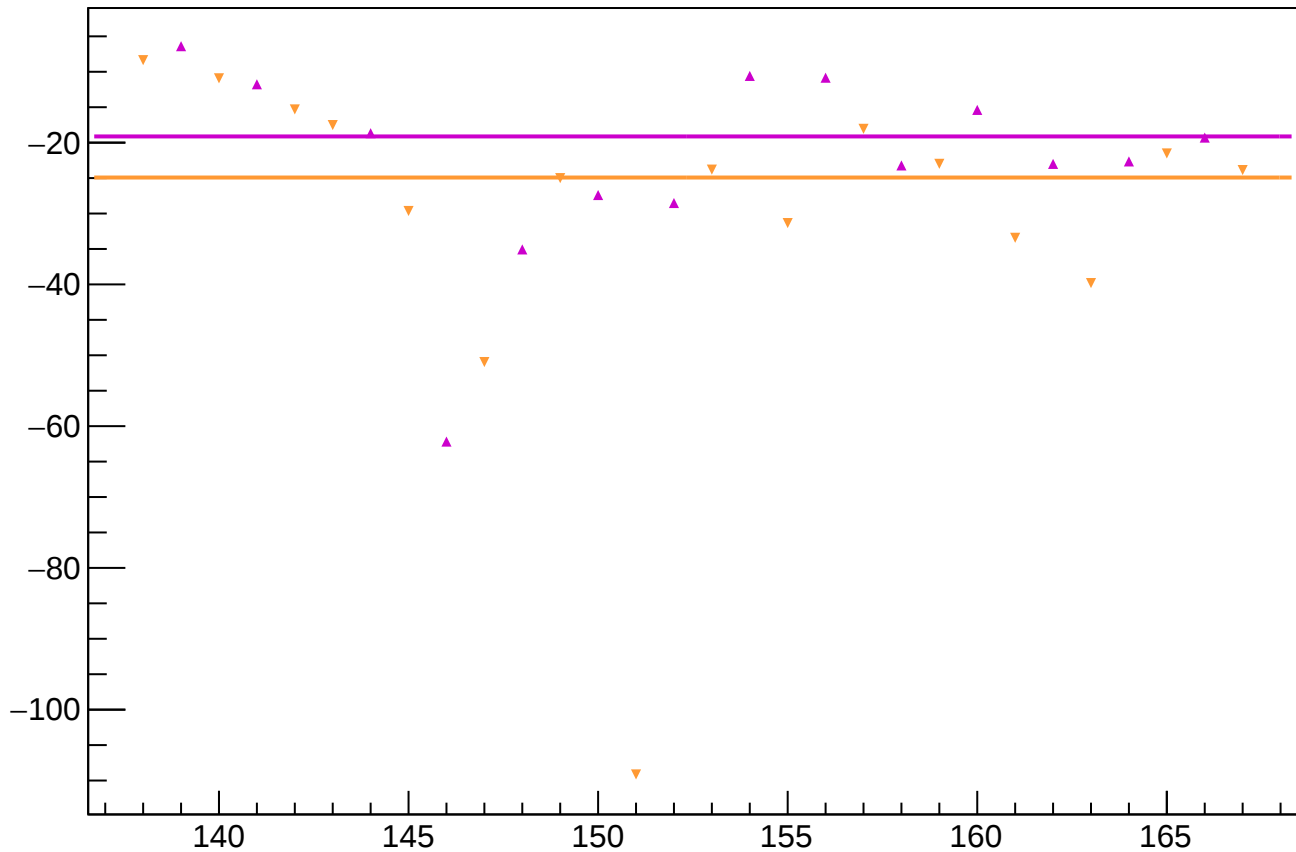
Left In: 0.070 $\pm$ 0.002 χ^2 /NDF: 2369.9/13

+ sign 0.141 $\pm$ 0.002 χ^2 /NDF: 4658.2/32

All: 0.119 $\pm$ 0.001 χ^2 /NDF: 9451.3/65

- sign 0.103 $\pm$ 0.002 χ^2 /NDF: 4590.6/32

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

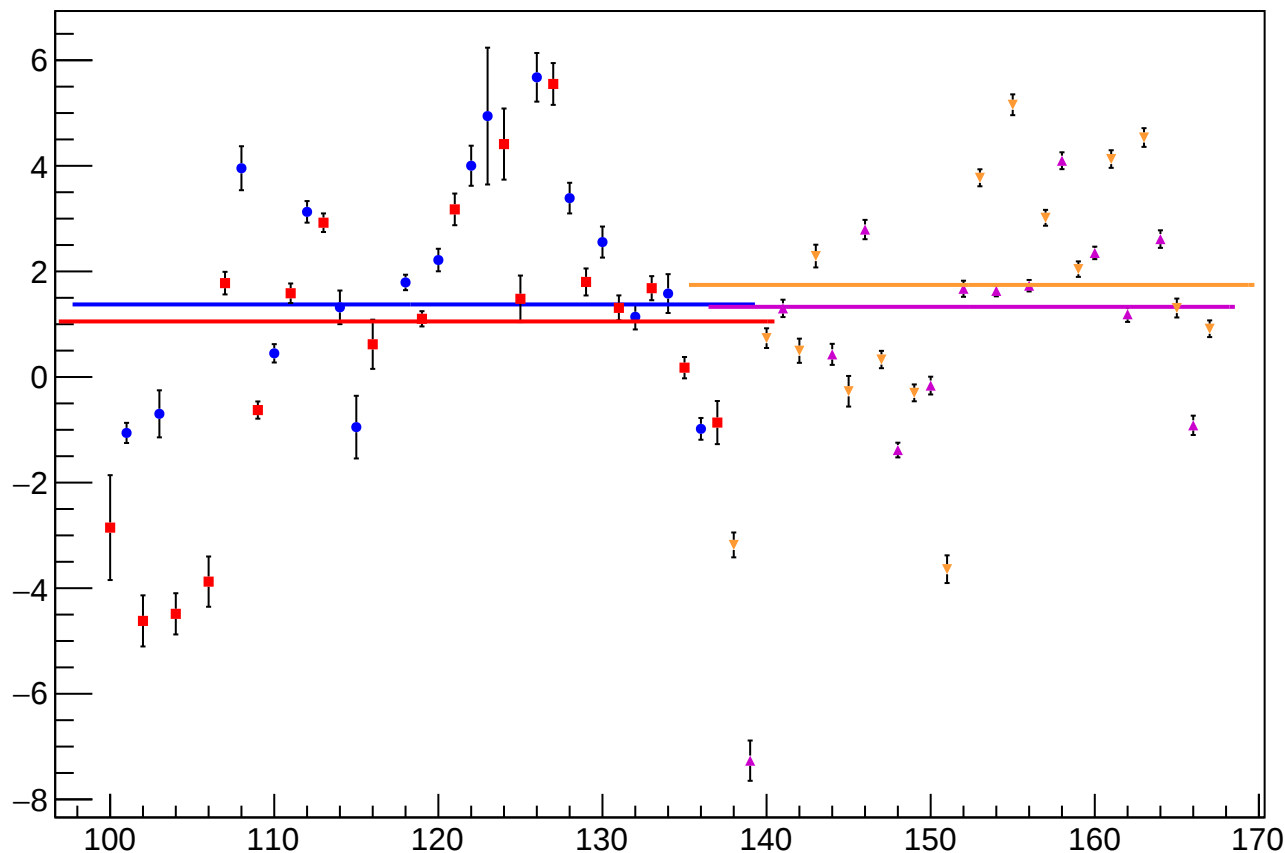
Left In: -19.122+/-0.055 χ^2/NDF : 37012.9/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.720+/-0.041 χ^2/NDF : 98622.3/29

- 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

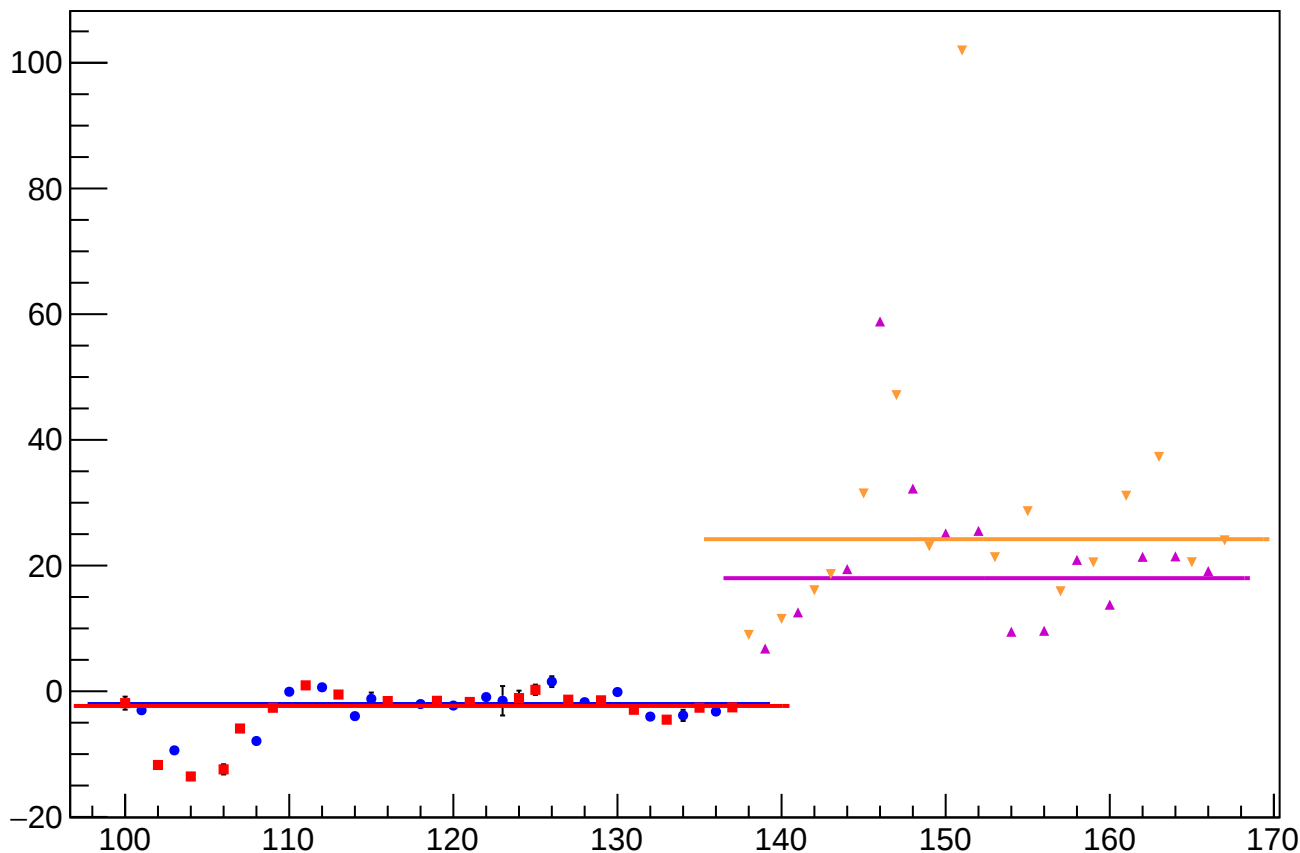
Left In: 1.329 $\pm$ 0.040 χ^2/NDF :1662.0/13

+ sign 1.615 $\pm$ 0.037 χ^2/NDF : 2955.8/32

All: 1.407 $\pm$ 0.024 χ^2/NDF : 5655.2/65

- sign 1.240 $\pm$ 0.033 χ^2/NDF : 2641.5/32

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

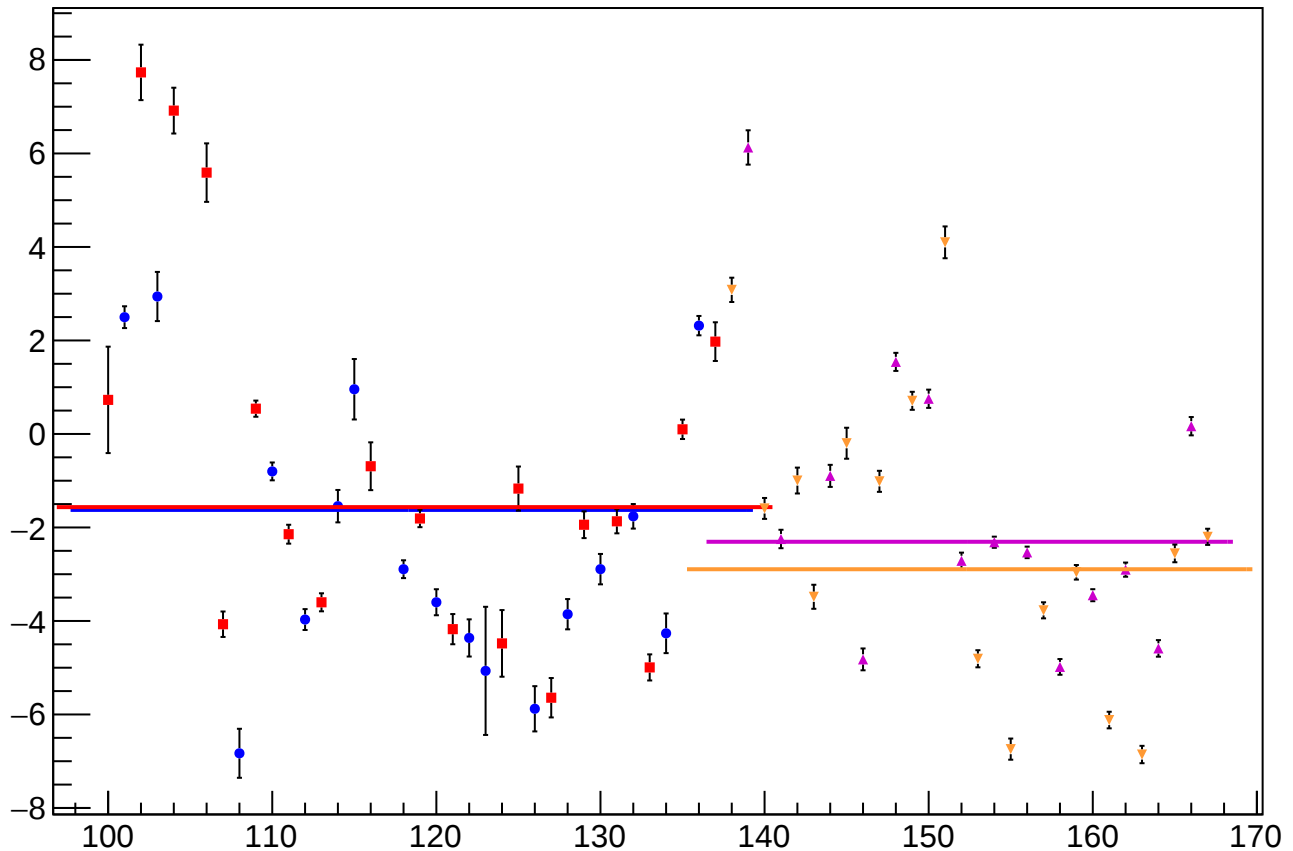
Left In: 17.995 ± 0.053 χ^2/NDF : 35150.2/13

+ sign 18.232 ± 0.053 χ^2/NDF : 94165.8/32

All: 15.530 ± 0.035 χ^2/NDF : 167551.0/65

- sign 13.416 ± 0.047 χ^2/NDF : 68768.2/32

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.894 ± 0.052 χ^2/NDF : 2751.8/15

Right Out: -1.565 ± 0.066 χ^2/NDF : 1505.8/18

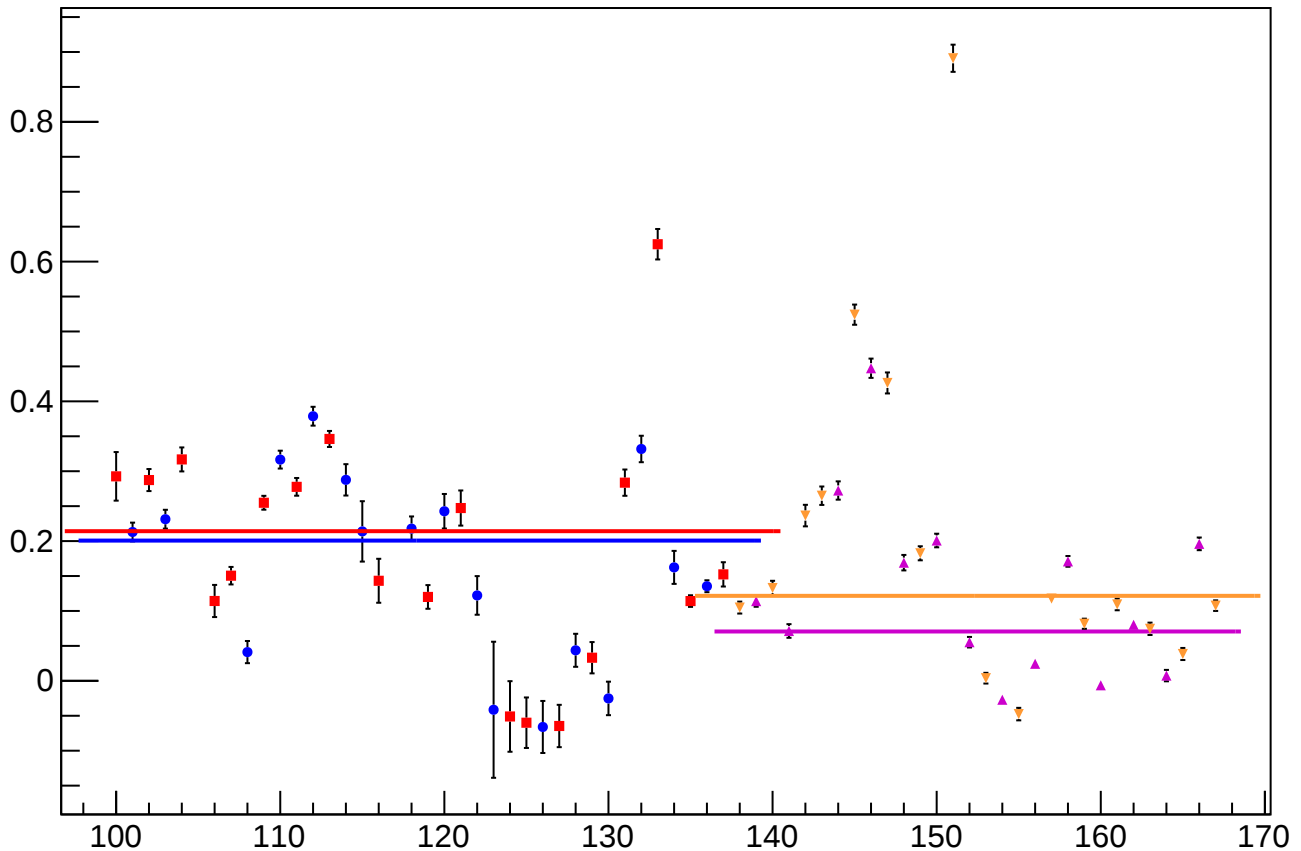
Left In: -2.306 ± 0.045 χ^2/NDF : 2001.9/13

+ sign -2.455 ± 0.042 χ^2/NDF : 4280.9/32

All: -2.238 ± 0.028 χ^2/NDF : 7922.9/65

- sign -2.067 ± 0.037 χ^2/NDF : 3594.2/32

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

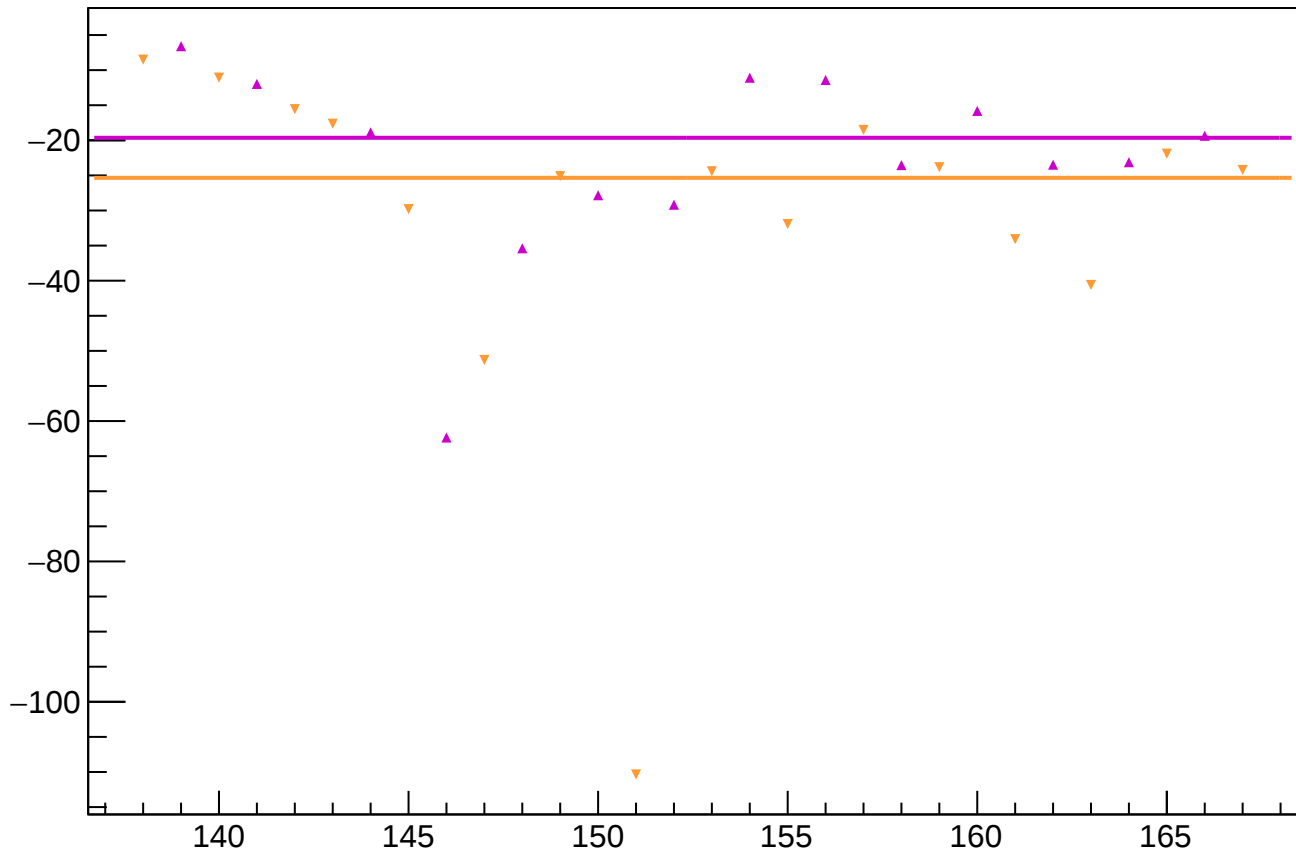
Left In: 0.071 ± 0.002 χ^2/NDF : 2352.3/13

+ sign 0.141 ± 0.002 χ^2/NDF : 4685.1/32

All: 0.119 ± 0.001 χ^2/NDF : 9485.2/65

- sign 0.103 ± 0.002 χ^2/NDF : 4605.3/32

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

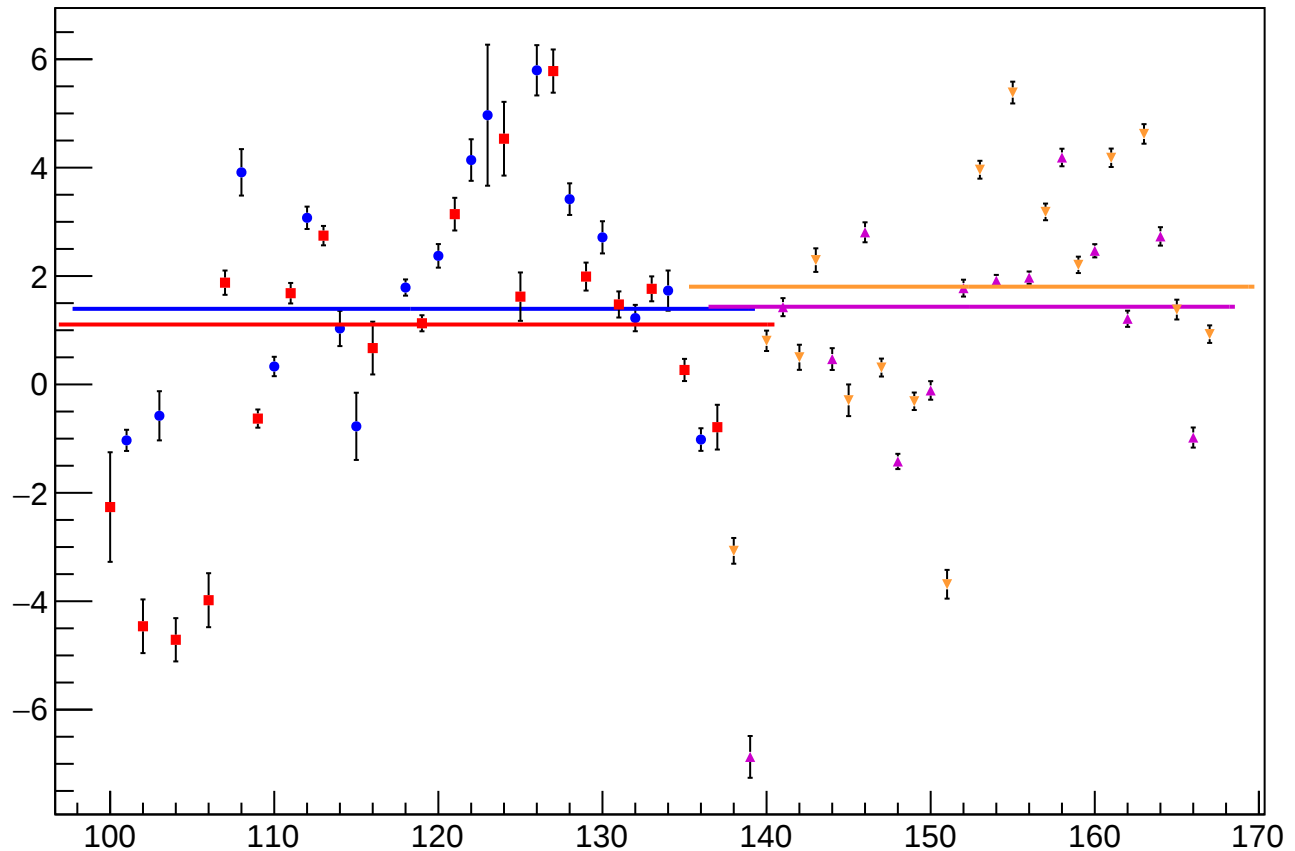
Left In: -19.638+/-0.057 χ^2/NDF : 35860.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -22.211+/-0.042 χ^2/NDF : 97053.6/29

- 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 ± 0.063 χ^2/NDF : 701.4/16

Left Out: 1.804 ± 0.046 χ^2/NDF : 2270.5/15

Right Out: 1.106 ± 0.059 χ^2/NDF : 937.0/18

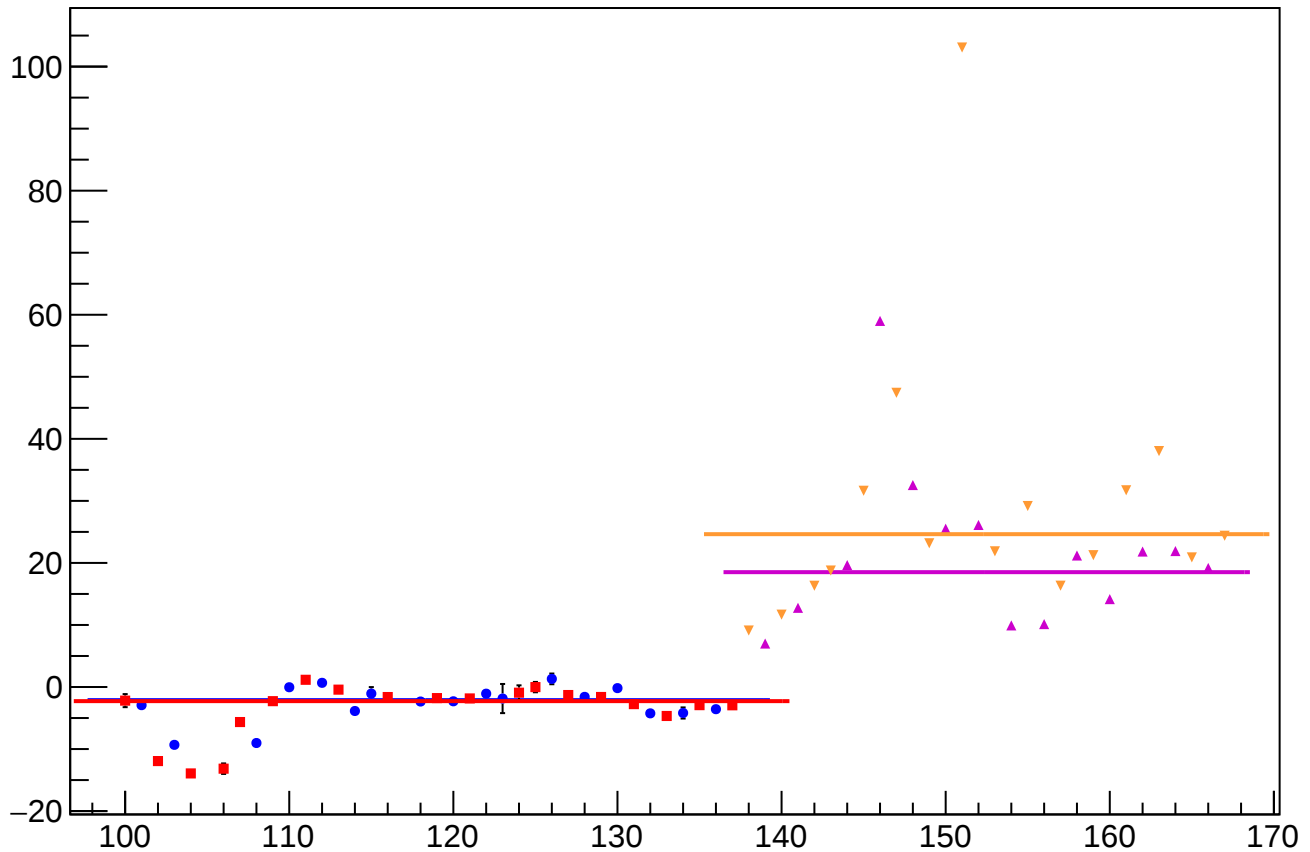
Left In: 1.434 ± 0.041 χ^2/NDF : 1673.4/13

+ sign 1.661 ± 0.037 χ^2/NDF : 2999.2/32

All: 1.477 ± 0.025 χ^2/NDF : 5674.3/65

- sign 1.328 ± 0.034 χ^2/NDF : 2631.2/32

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

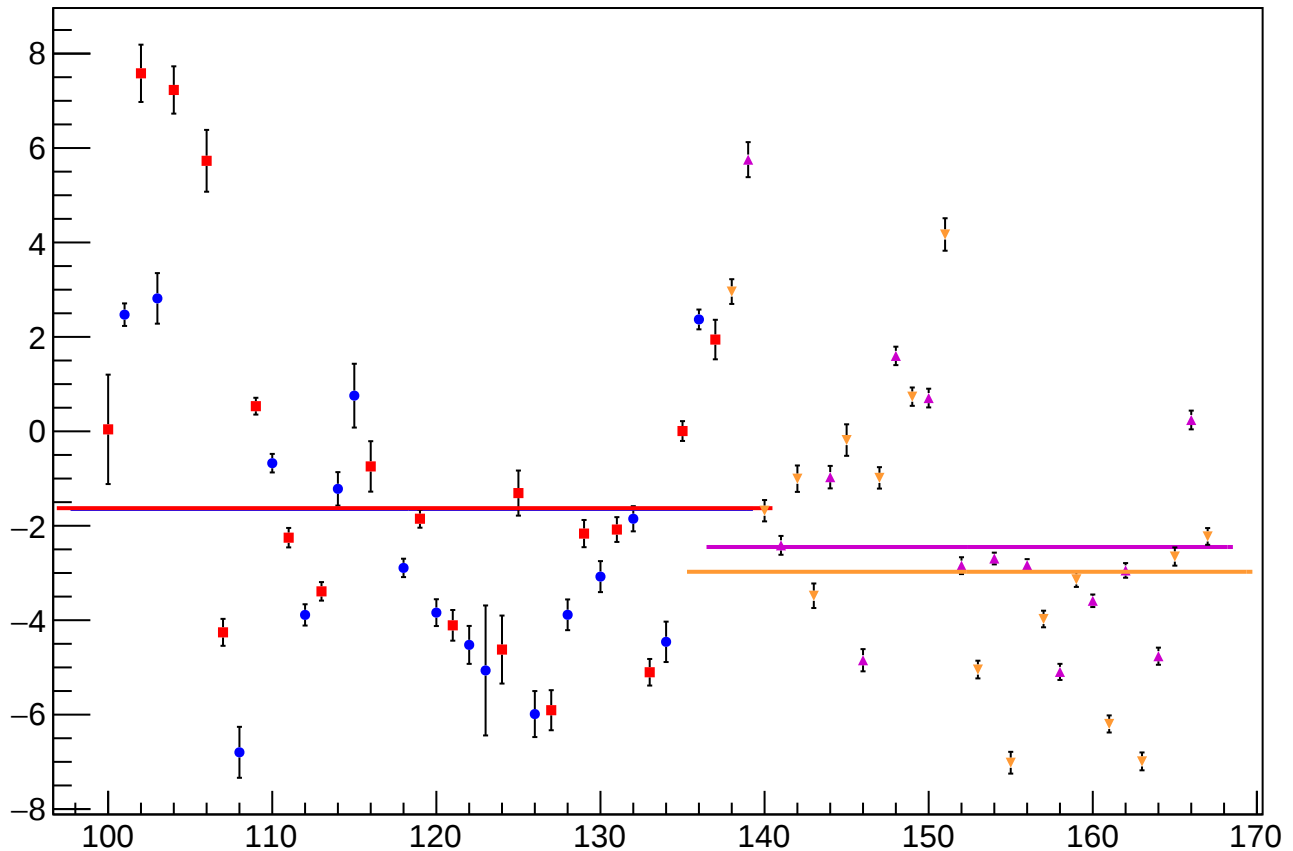
Left In: 18.511 ± 0.055 χ^2/NDF : 33887.4/13

+ sign 18.546 ± 0.054 χ^2/NDF : 94137.3/32

All: 15.900 ± 0.036 χ^2/NDF : 165988.9/65

- sign 13.806 ± 0.048 χ^2/NDF : 67557.1/32

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

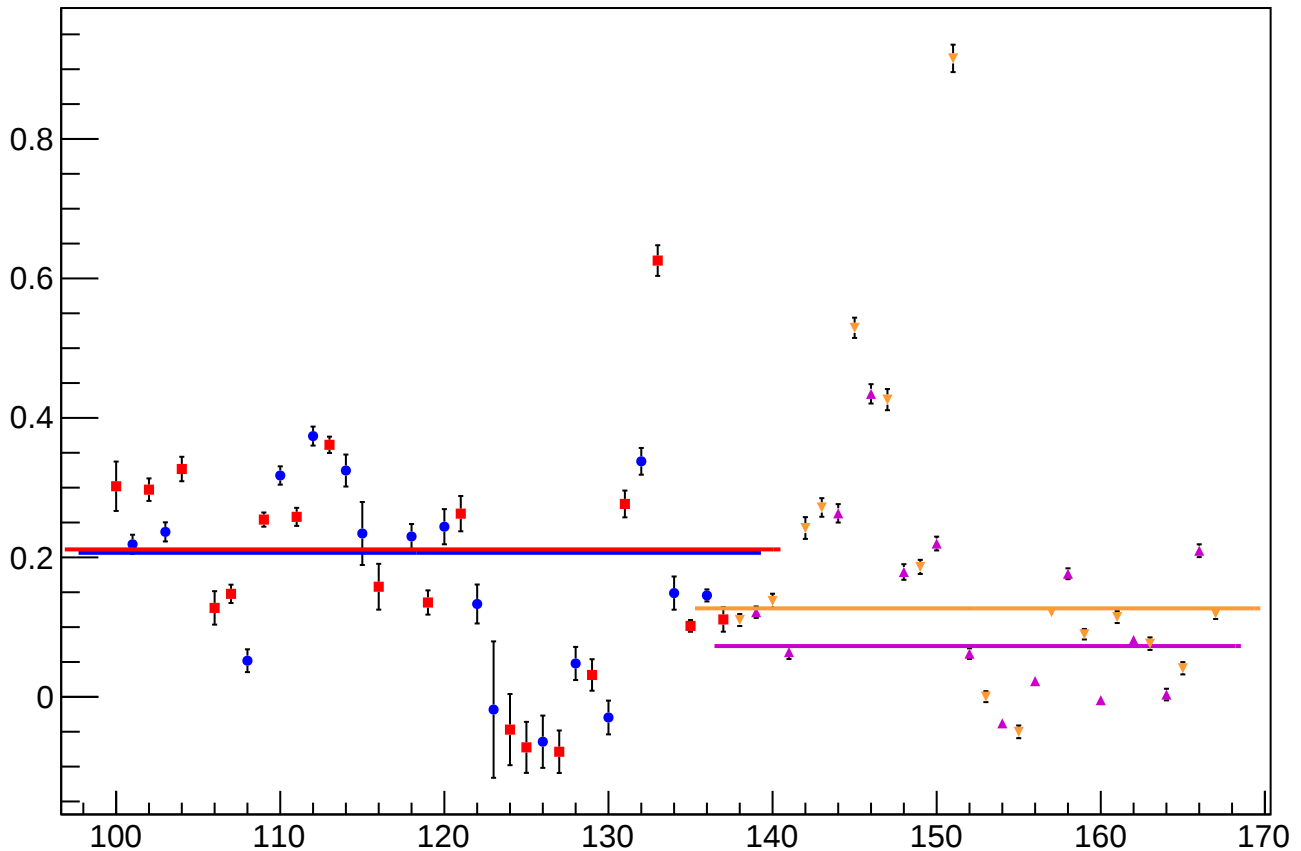
Left In: -2.449 ± 0.046 χ^2/NDF : 2002.4/13

+ sign -2.513 ± 0.043 χ^2/NDF : 4322.8/32

All: -2.330 ± 0.028 χ^2/NDF : 7928.8/65

- sign -2.183 ± 0.038 χ^2/NDF : 3572.5/32

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.127 ± 0.002 χ^2/NDF : 3765.7/15

Right Out: 0.211 ± 0.004 χ^2/NDF : 1145.6/18

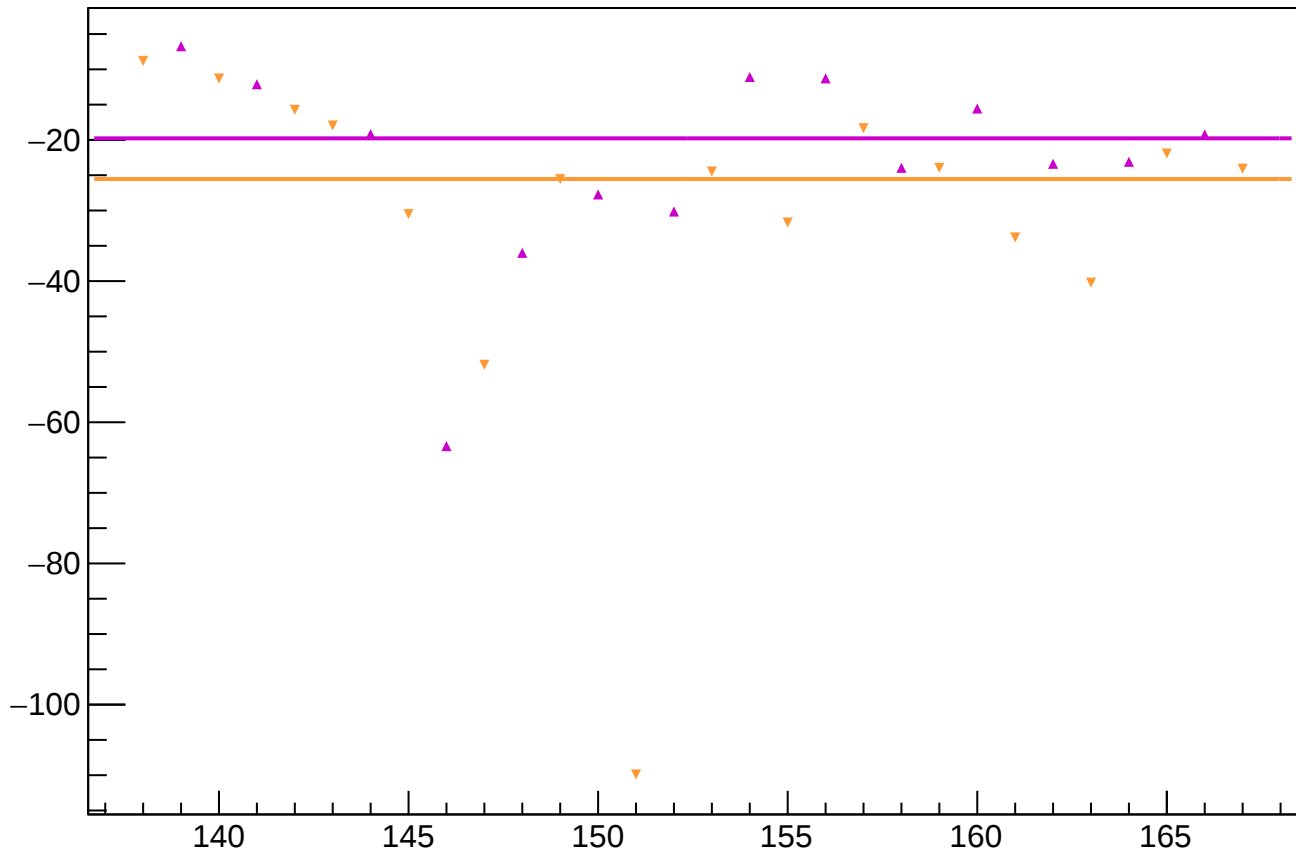
Left In: 0.073 ± 0.002 χ^2/NDF : 2432.5/13

+ sign 0.146 ± 0.002 χ^2/NDF : 4691.7/32

All: 0.122 ± 0.001 χ^2/NDF : 9545.8/65

- sign 0.105 ± 0.002 χ^2/NDF : 4624.6/32

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

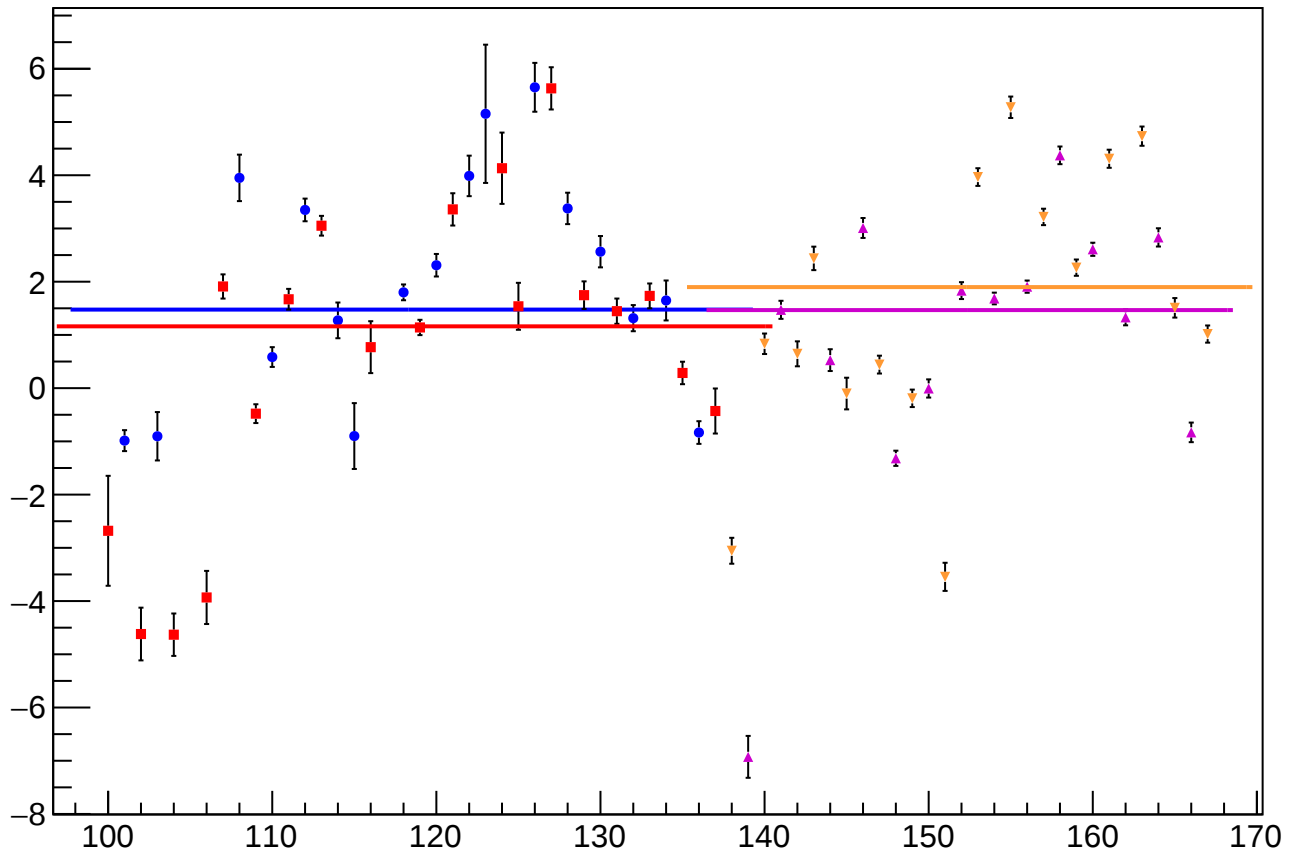
Left In: -19.777+/-0.057 χ^2/NDF : 36176.7/13

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -22.384+/-0.042 χ^2/NDF : 96135.4/29

- 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

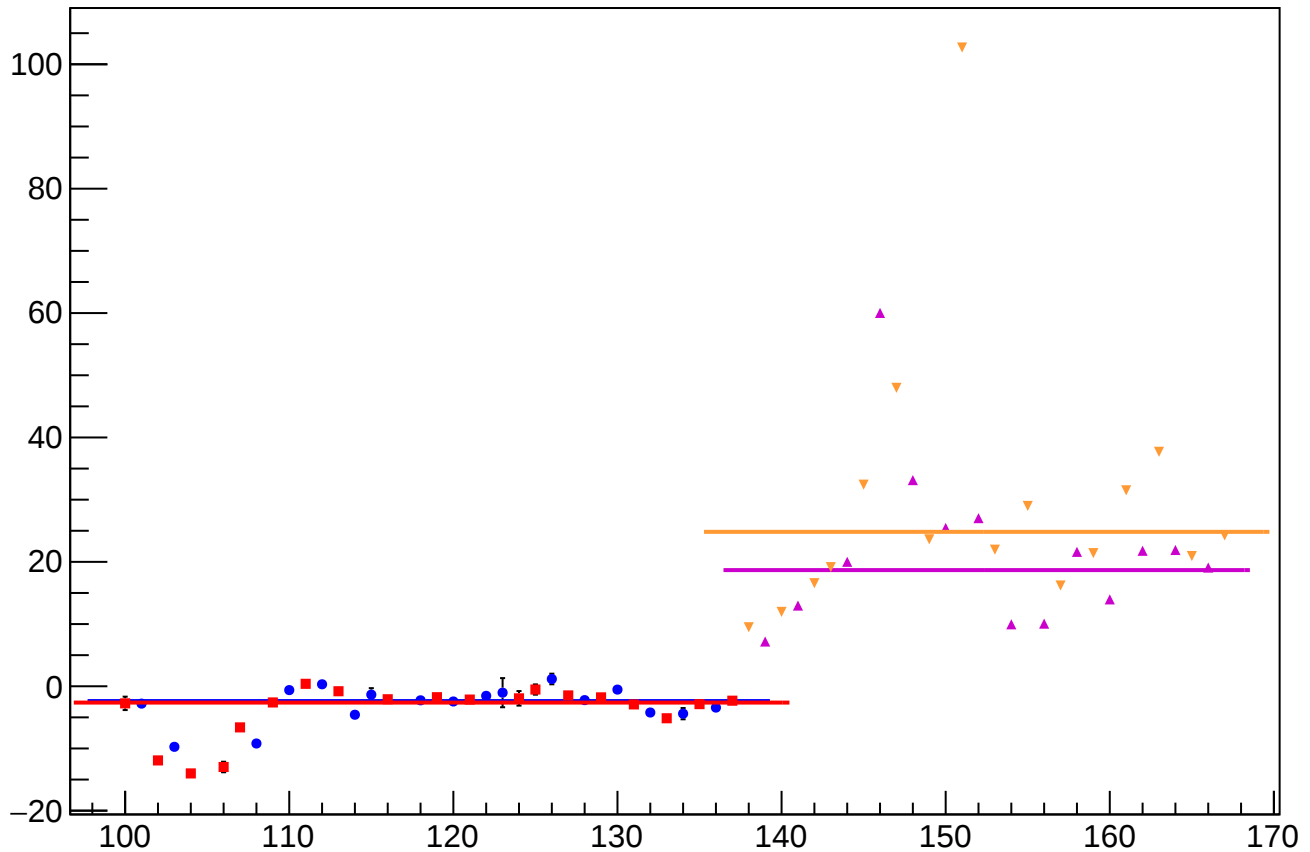
Left In: 1.467 $\pm$ 0.041 χ^2/NDF : 1633.3/13

+ sign 1.751 $\pm$ 0.038 χ^2/NDF : 2871.4/32

All: 1.540 $\pm$ 0.025 χ^2/NDF : 5497.0/65

- sign 1.368 $\pm$ 0.034 χ^2/NDF : 2568.8/32

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 24.827 ± 0.062 χ^2/NDF : 49625.0/15

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

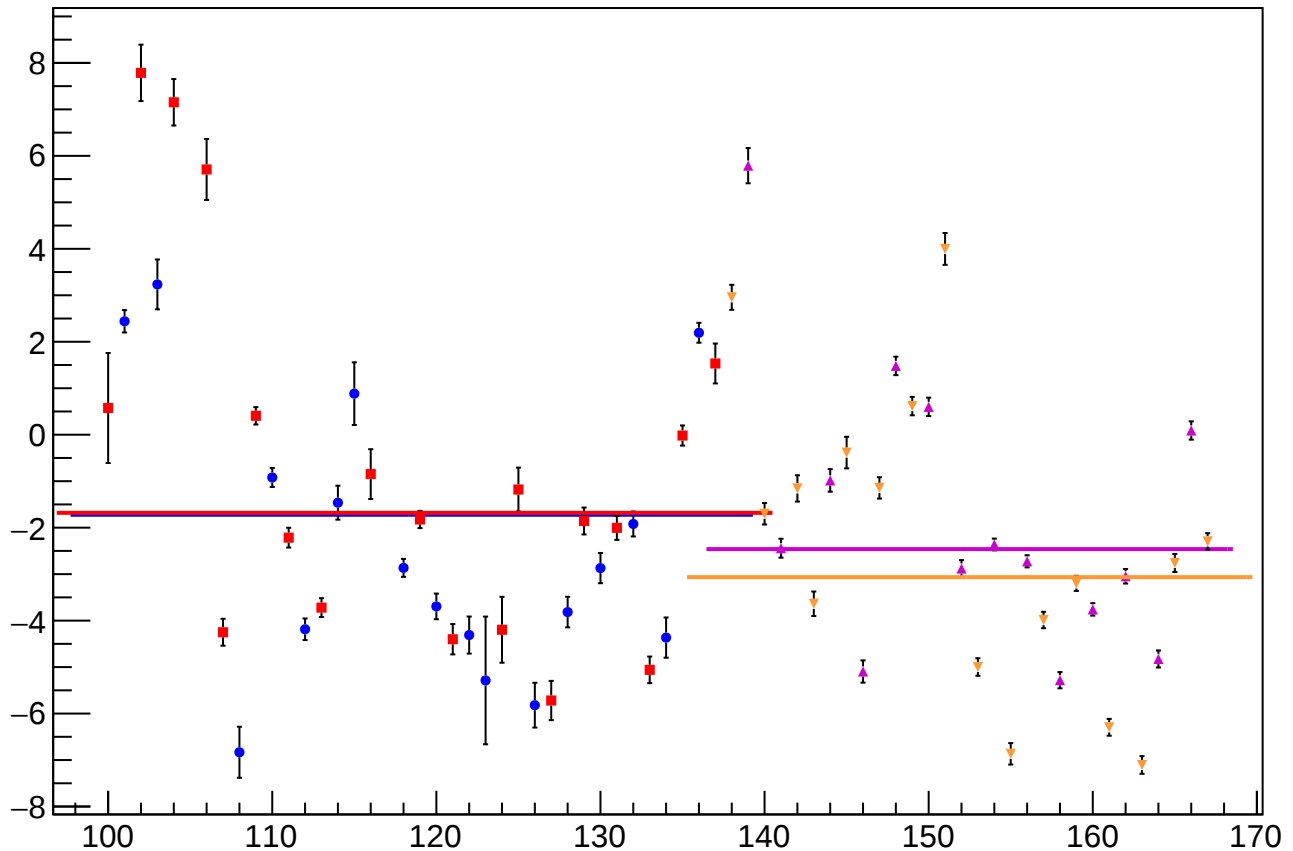
Left In: 18.677 ± 0.055 χ^2/NDF : 34217.7/13

+ sign 18.700 ± 0.055 χ^2/NDF : 93408.2/32

All: 16.043 ± 0.036 χ^2/NDF : 165775.6/65

- sign 13.920 ± 0.049 χ^2/NDF : 68106.3/32

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

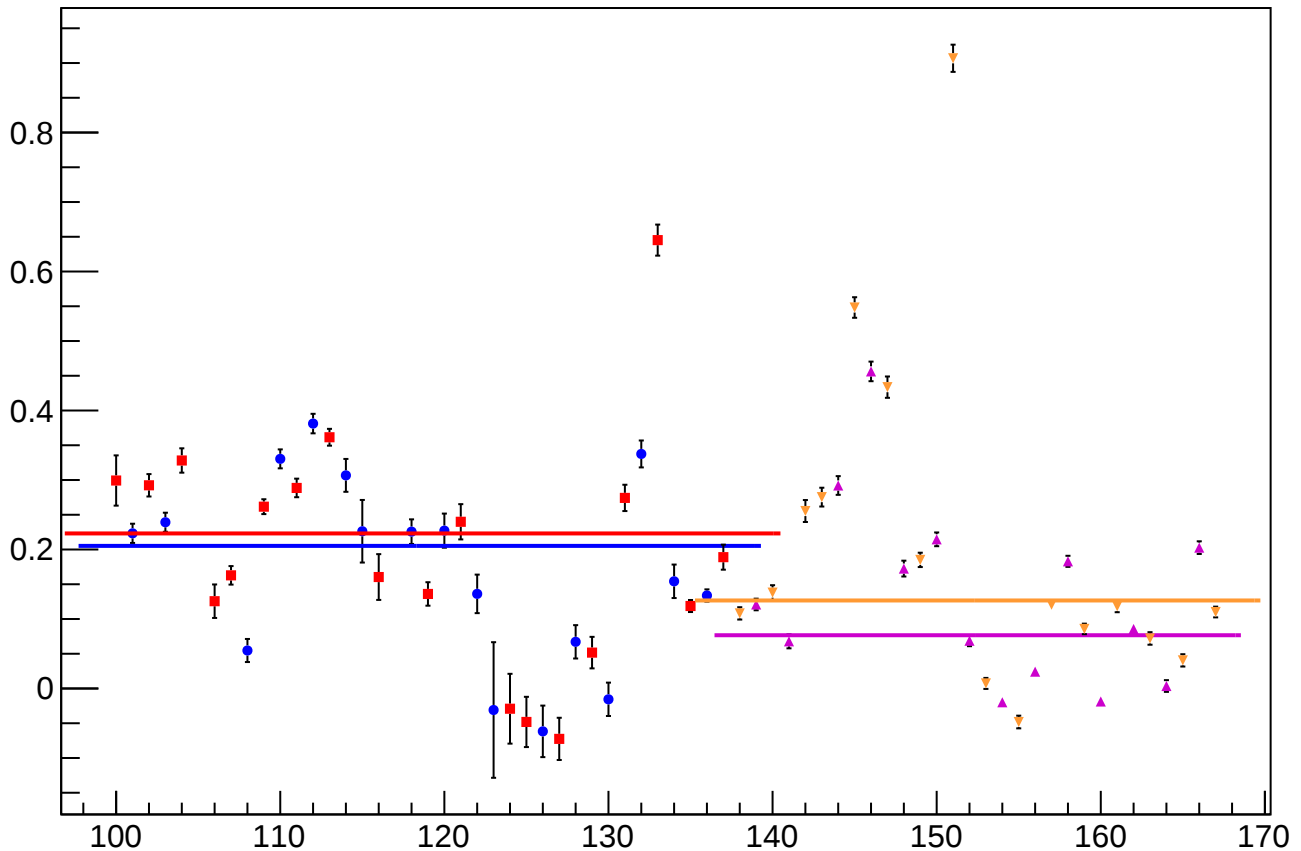
Left In: -2.461+/-0.047 χ^2/NDF : 1978.0/13

+ sign -2.602+/-0.043 χ^2/NDF : 4154.8/32

All: -2.384+/-0.029 χ^2/NDF : 7699.3/65

- sign -2.209+/-0.039 χ^2/NDF : 3498.3/32

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

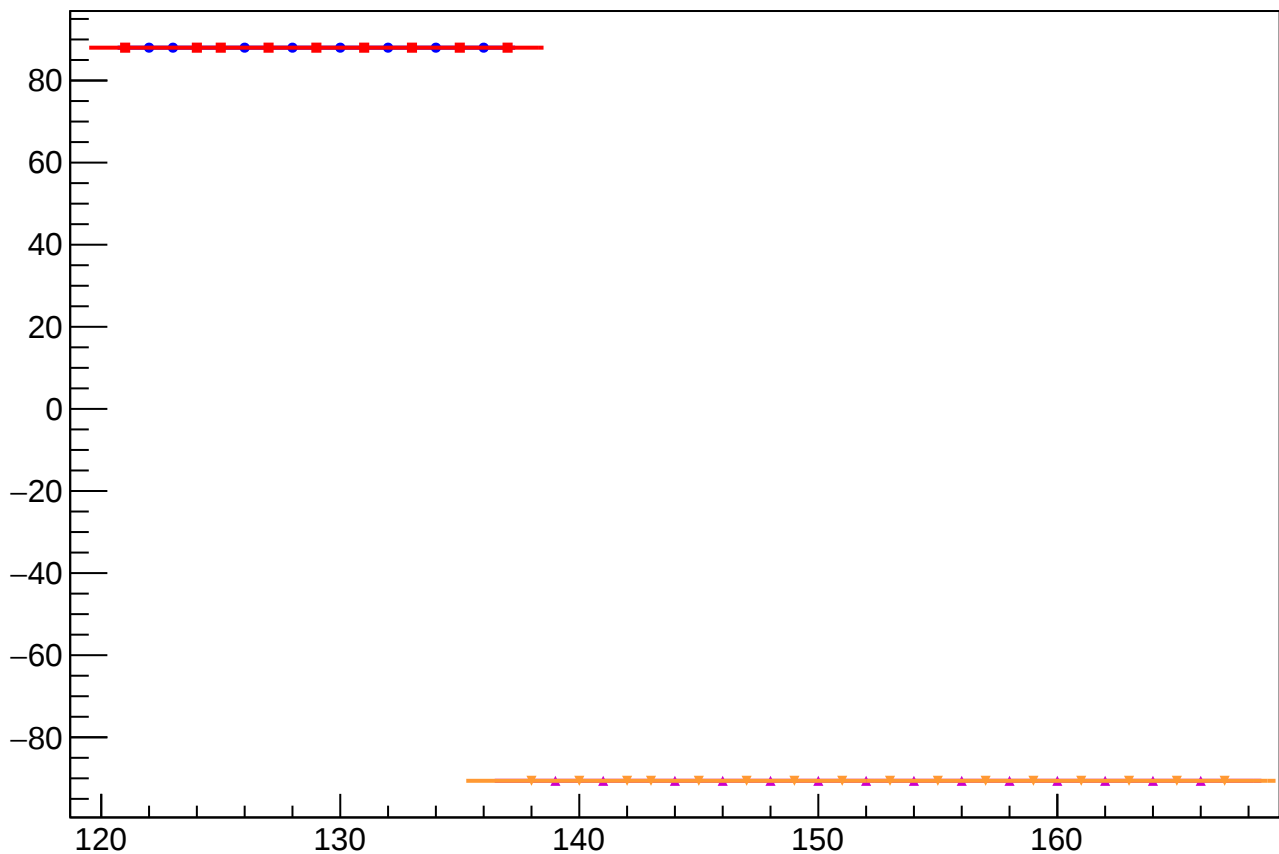
Left In: 0.077 ± 0.002 χ^2/NDF : 2401.8/13

+ sign 0.145 ± 0.002 χ^2/NDF : 4692.9/32

All: 0.125 ± 0.001 χ^2/NDF : 9425.1/65

- sign 0.110 ± 0.002 χ^2/NDF : 4567.7/32

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

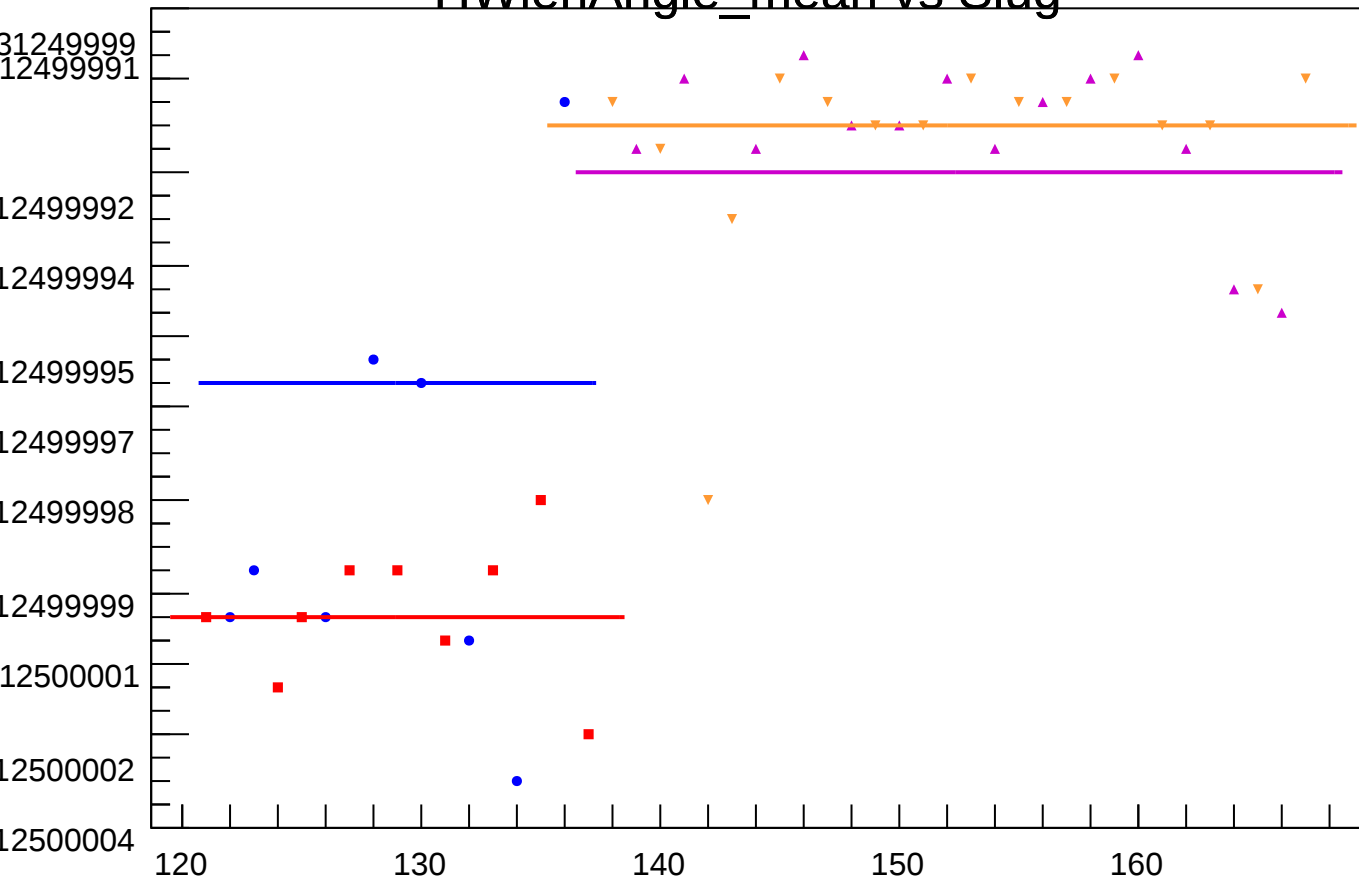
Left In: -90.599+/-0.000 χ^2/NDF : 4942283.0/13

+ sign -51.867+/-0.000 χ^2/NDF : 854327290120481

All: -51.508+/-0.000 χ^2/NDF : 164696877914

- sign -51.117+/-0.000 χ^2/NDF : 7925990953402618

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

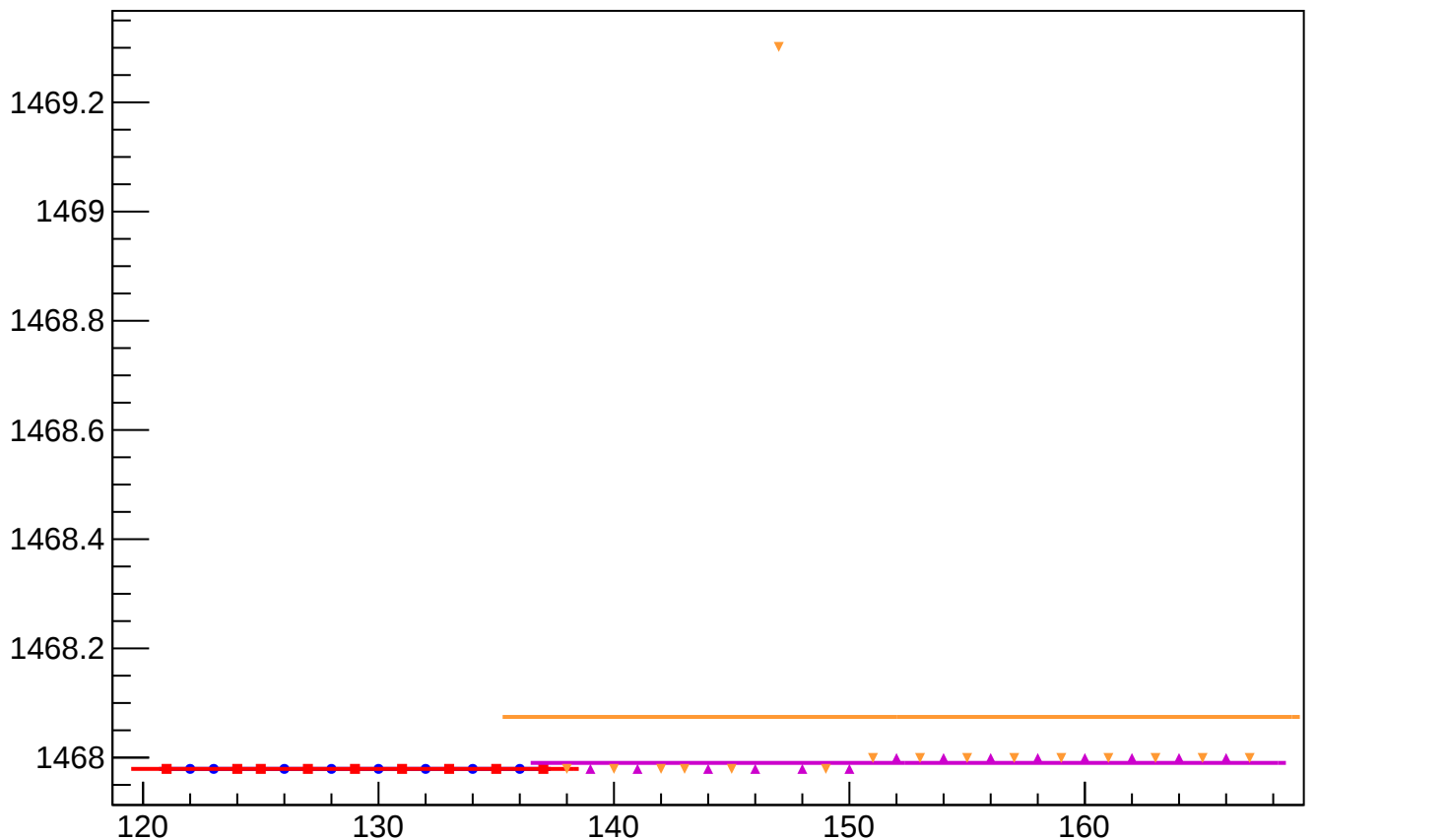
Left In: -29.641 ± 0.000 χ^2/NDF : 172236.7/13

+ sign -29.641 ± 0.000 χ^2/NDF : 1129371.1/23

All: -29.641 ± 0.000 χ^2/NDF : 2542315.7/46

- sign -29.641 ± 0.000 χ^2/NDF : 1759614.2/22

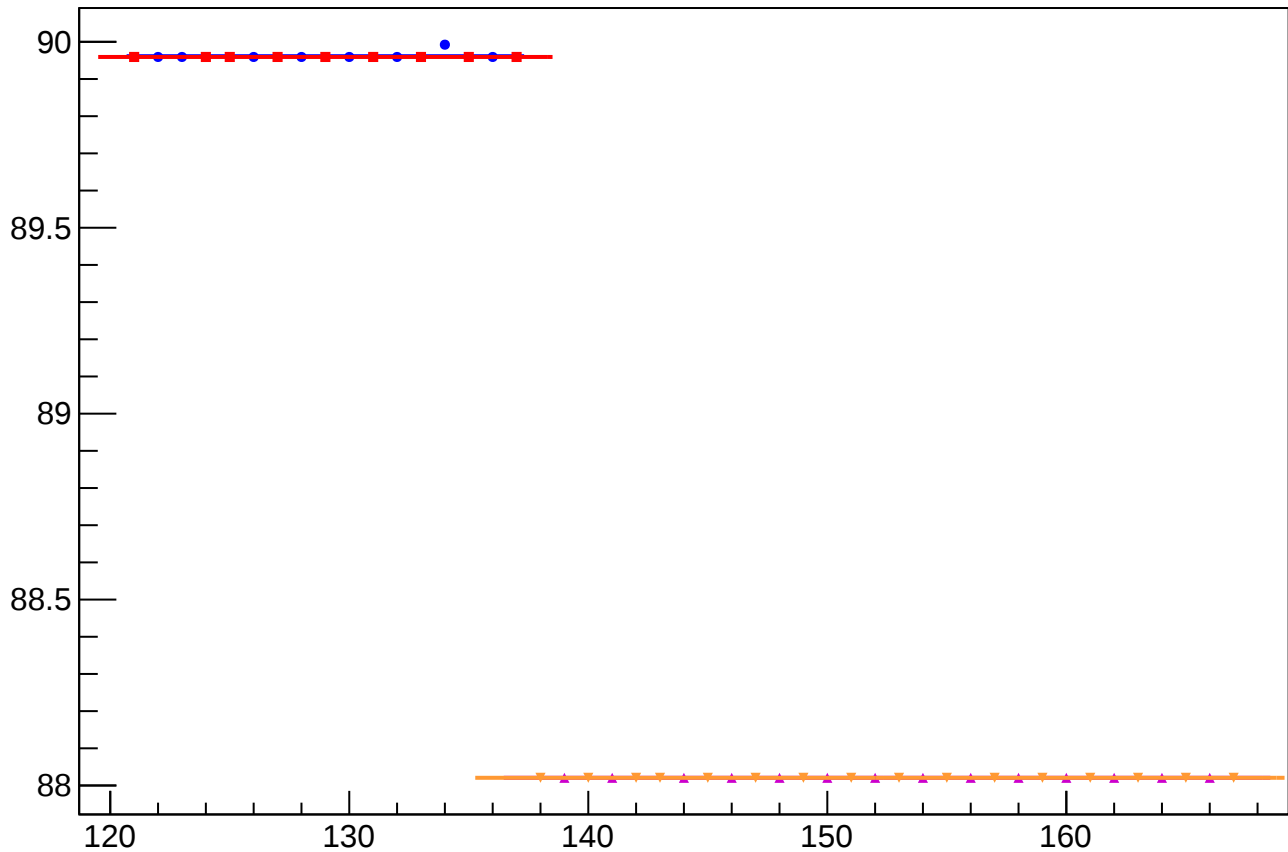
psub_pl_pos_mean vs Slug



Right In: 1467.979 $\pm$ 0.000 χ^2 /NDF: 436234375.5/7
 Left Out: 1468.074 $\pm$ 0.000 χ^2 /NDF: 125470203394978018145790261723136.0/15
 Right Out: 1467.979 $\pm$ 0.000 χ^2 /NDF: 83183350.3/8
 Left In: 1467.990 $\pm$ 0.000 χ^2 /NDF: 111283985742084336775271022592.0/13

+ sign 1468.054 $\pm$ 0.000 χ^2 /NDF: 12789513252843
 All: 1468.022 $\pm$ 0.000 χ^2 /NDF: 13131392569
 - sign 1467.988 $\pm$ 0.000 χ^2 /NDF: 14133056128987

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

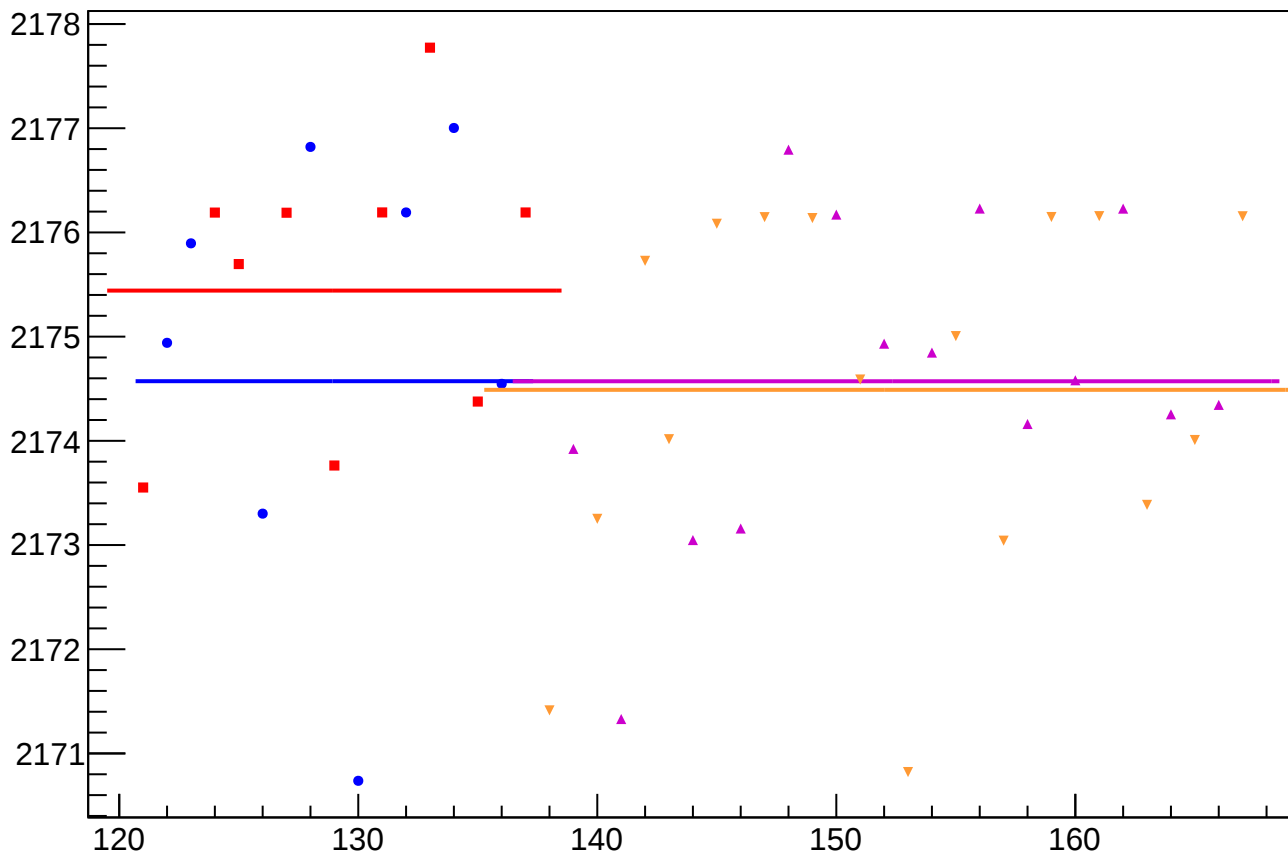
Left In: 88.021+/-0.000 χ^2/NDF : 4522432.3/13

+ sign 88.442+/-0.000 χ^2/NDF : 1008679102824982

All: 88.445+/-0.000 χ^2/NDF : 1942546179803

- sign 88.449+/-0.000 χ^2/NDF : 9338223835645334

HALLA_p_mean vs Slug



Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.489 $\pm$ 0.000 χ^2 /NDF: 3742978148608182286926575996764160.0/15

Right Out: 2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8

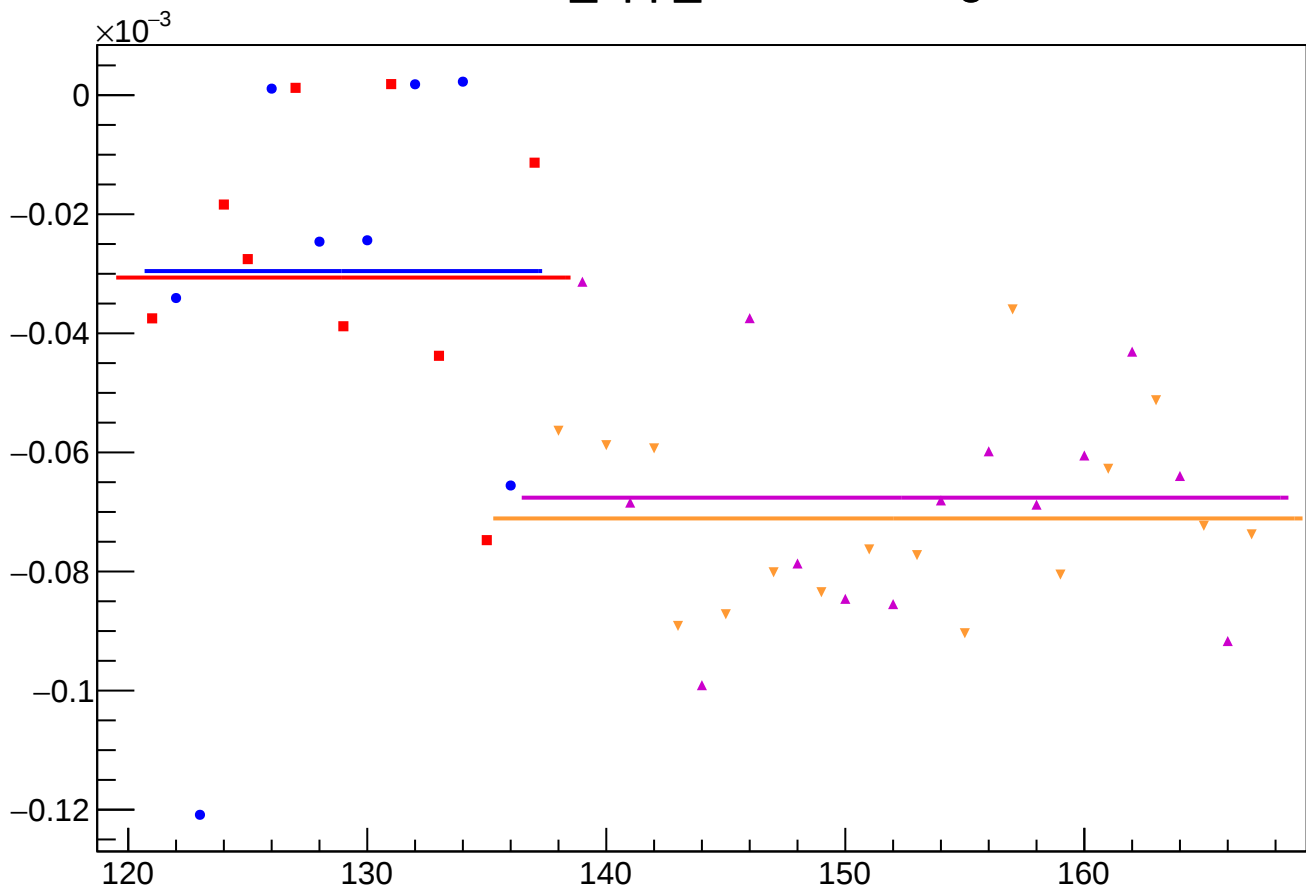
Left In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 2408987909442573848667115768250368.0/13

+ sign 2174.507 $\pm$ 0.000 χ^2 /NDF: 51050883804437

All: 2174.630 $\pm$ 0.000 χ^2 /NDF: 83626486718

- sign 2174.764 $\pm$ 0.000 χ^2 /NDF: 32079120717007

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

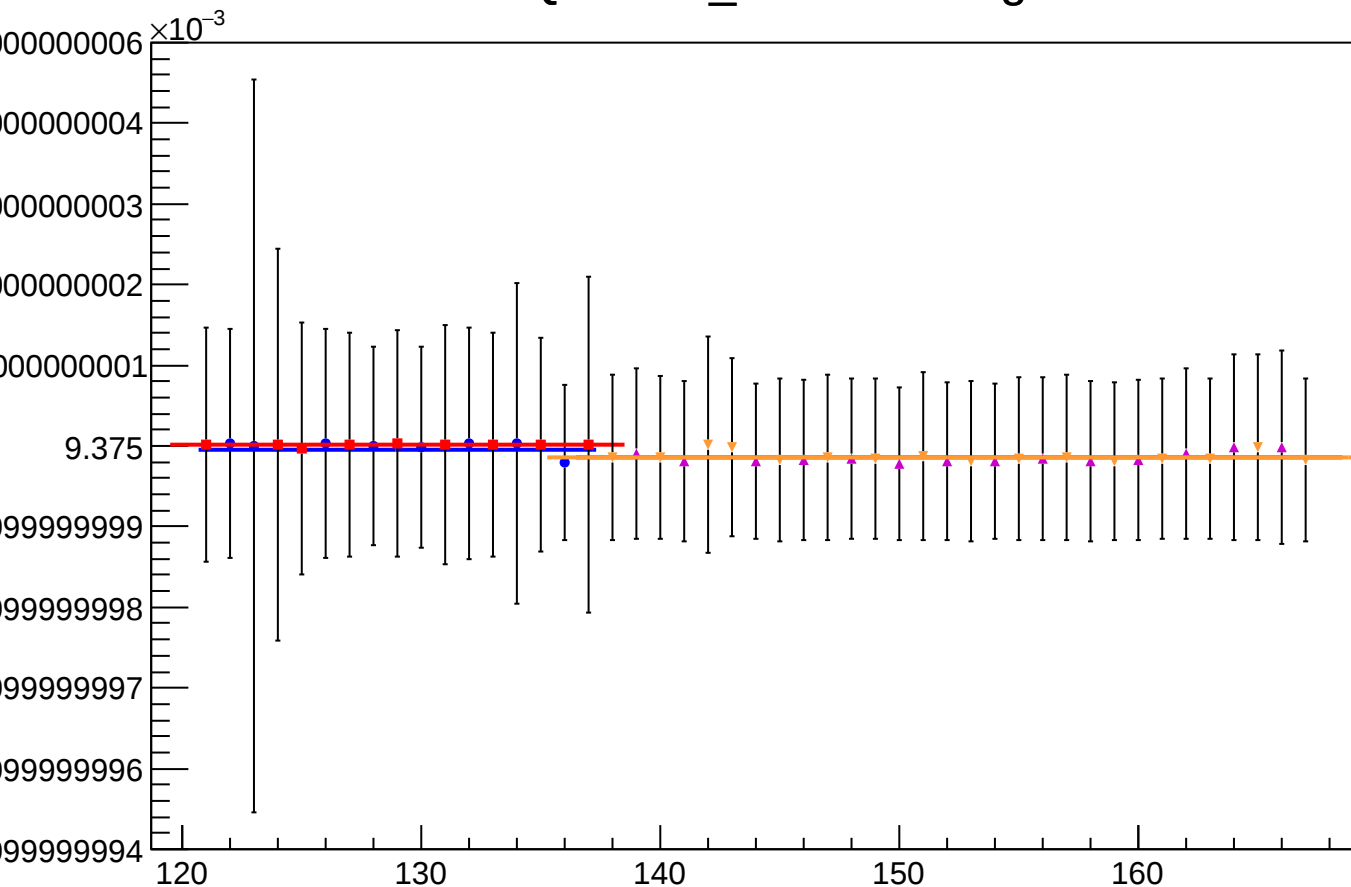
Left In: -0.000+/-0.000 χ^2 /NDF: 413512722798975721144320.0/13

+ sign -0.000+/-0.000 χ^2 /NDF: 9899641099632131

All: -0.000+/-0.000 χ^2 /NDF: 1945055479606

- sign -0.000+/-0.000 χ^2 /NDF: 94979551975457594

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

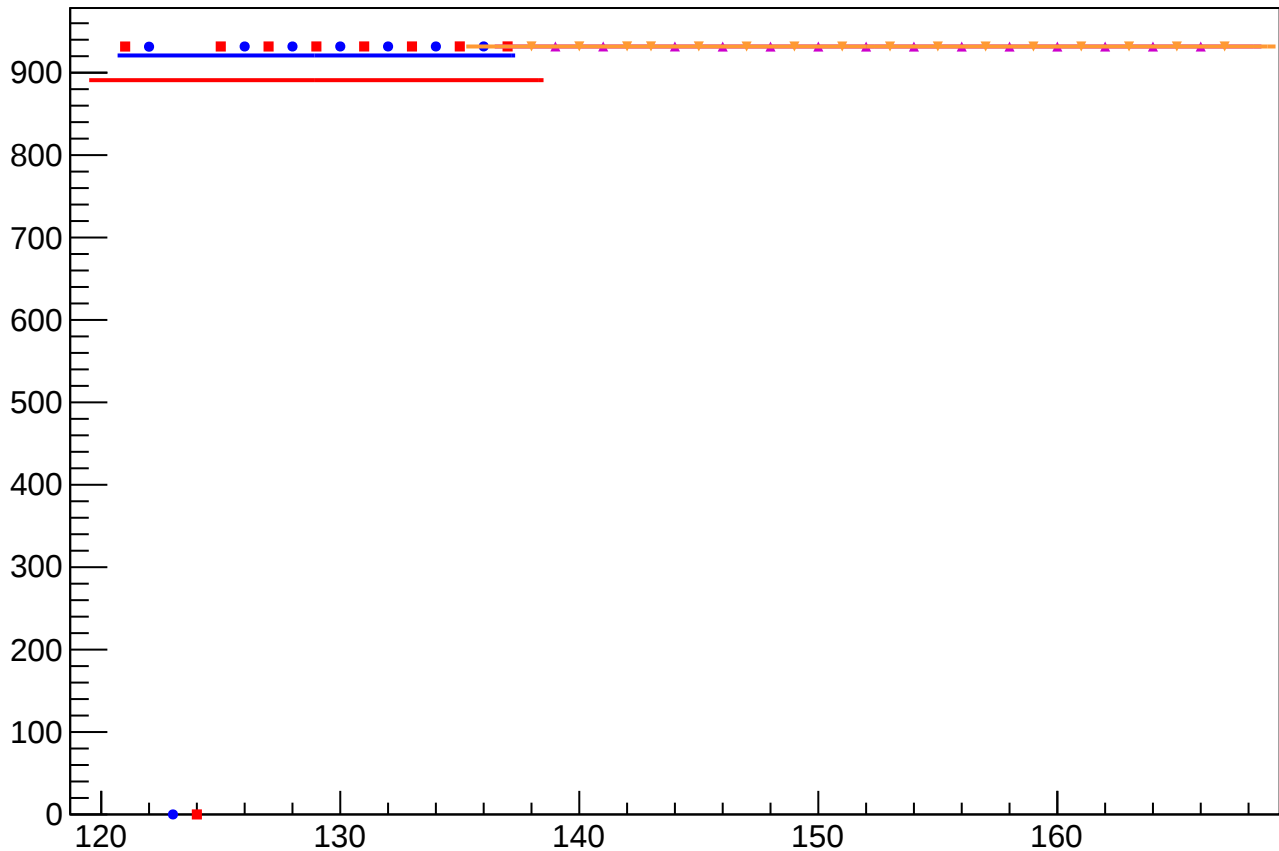
Left In: 0.009+/-0.000 χ^2/NDF :0.0/13

+ sign 0.009+/-0.000 χ^2/NDF : 0.1/23

All: 0.009+/-0.000 χ^2/NDF : 0.3/46

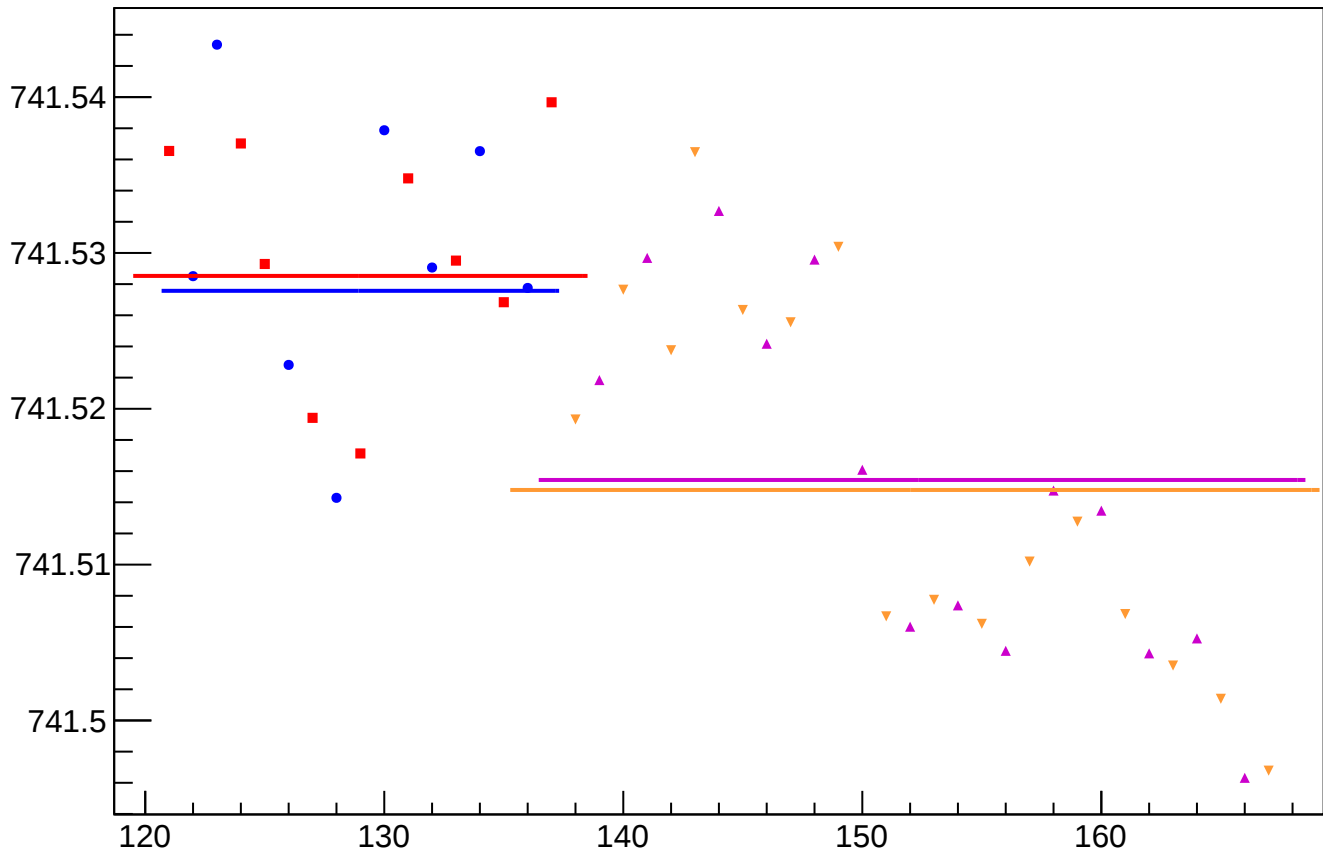
- sign 0.009+/-0.000 χ^2/NDF : 0.1/22

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 +/- 0.000 χ^2/NDF : 34321288419518999861299566212080992256.0/7
 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: 931.772 +/- 0.000 χ^2/NDF : 3357244440596146657791202820096.0/13

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528 $\pm$ 0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.515 $\pm$ 0.000 χ^2/NDF : 161218452380940323567437873152.0/15

Right Out: 741.529 $\pm$ 0.000 χ^2/NDF : 16580353917842624420385914880.0/8

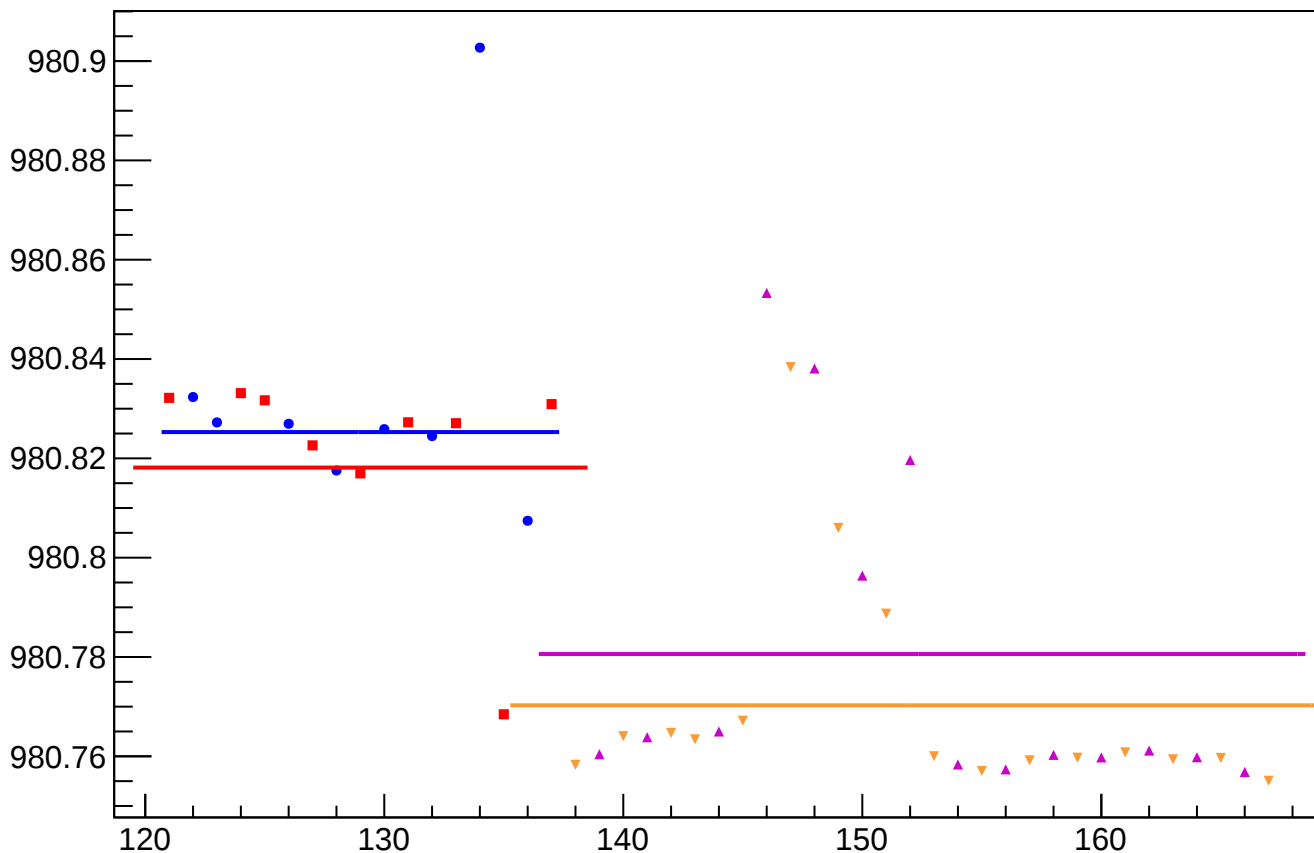
Left In: 741.515 $\pm$ 0.000 χ^2/NDF : 130218875183961132568250679296.0/13

+ sign 741.518 $\pm$ 0.000 χ^2/NDF : 223850594223431

All: 741.518 $\pm$ 0.000 χ^2/NDF : 413693955274

- sign 741.518 $\pm$ 0.000 χ^2/NDF : 189402588669105

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

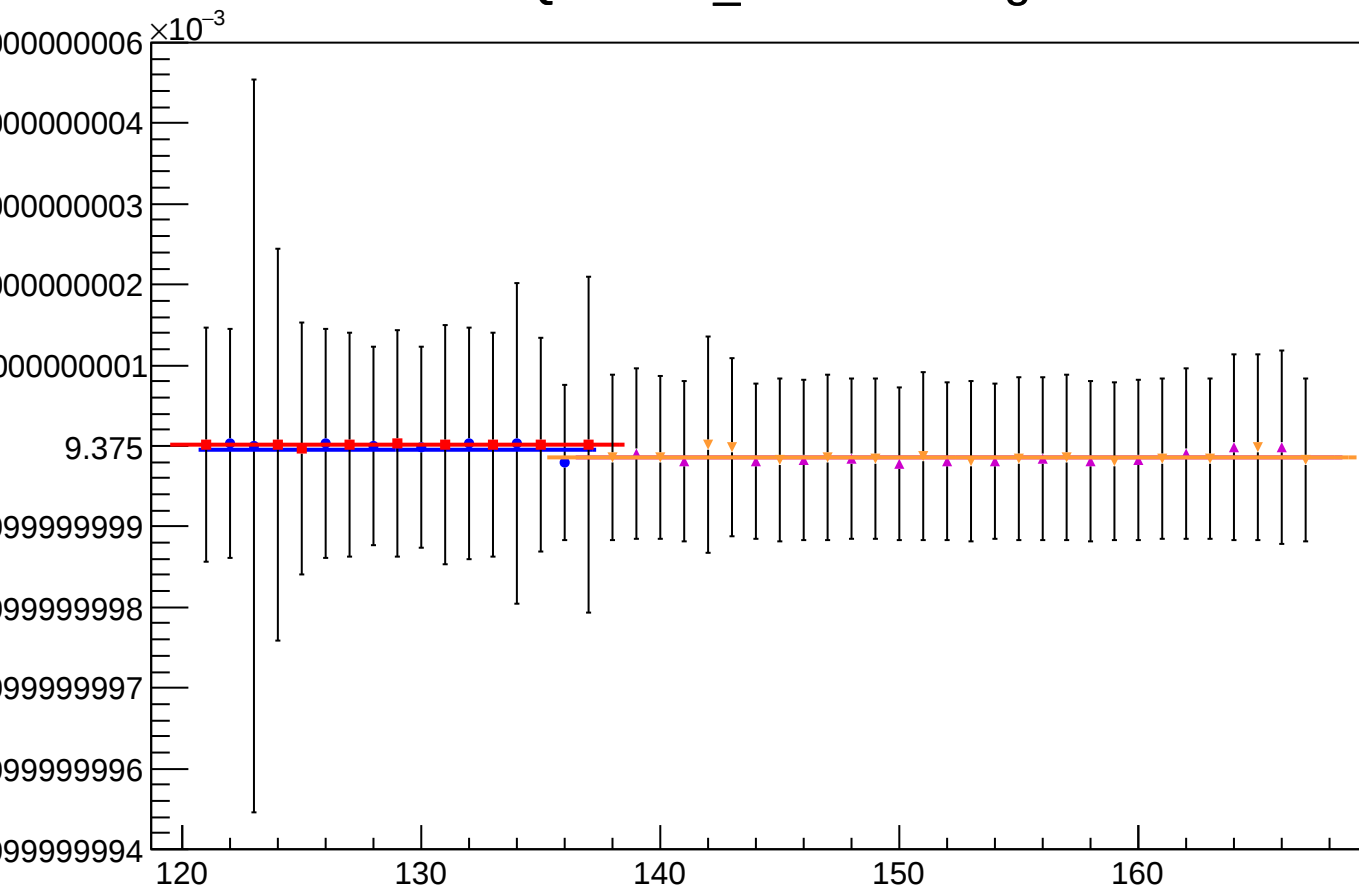
Left In: 980.781 $\pm$ 0.000 χ^2 /NDF: 1193336000100941127090083725312.0/13

+ sign 980.782 $\pm$ 0.000 χ^2 /NDF: 157062470634407

All: 980.785 $\pm$ 0.000 χ^2 /NDF: 329167307618

- sign 980.789 $\pm$ 0.000 χ^2 /NDF: 168727779502340

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

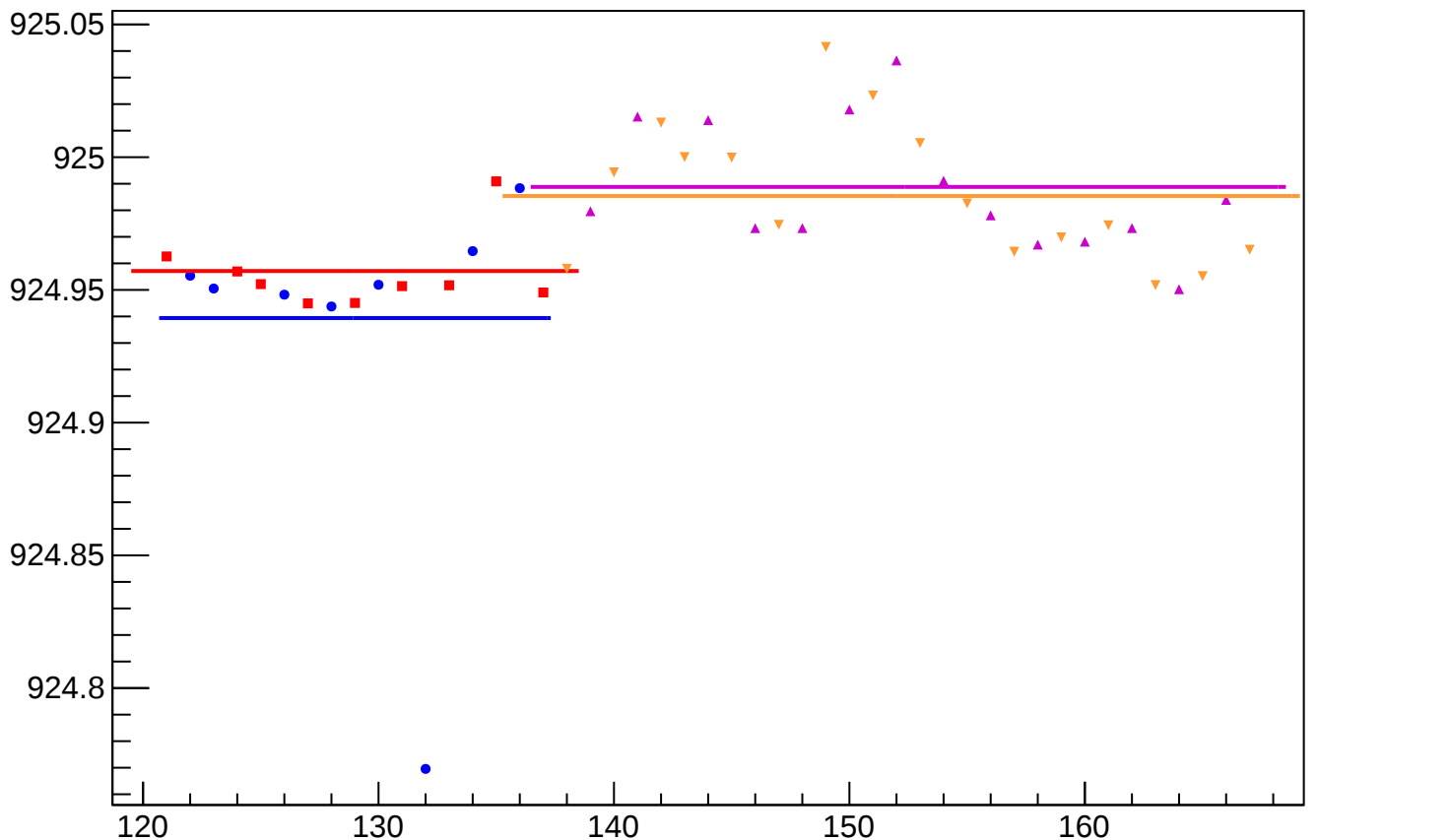
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/46

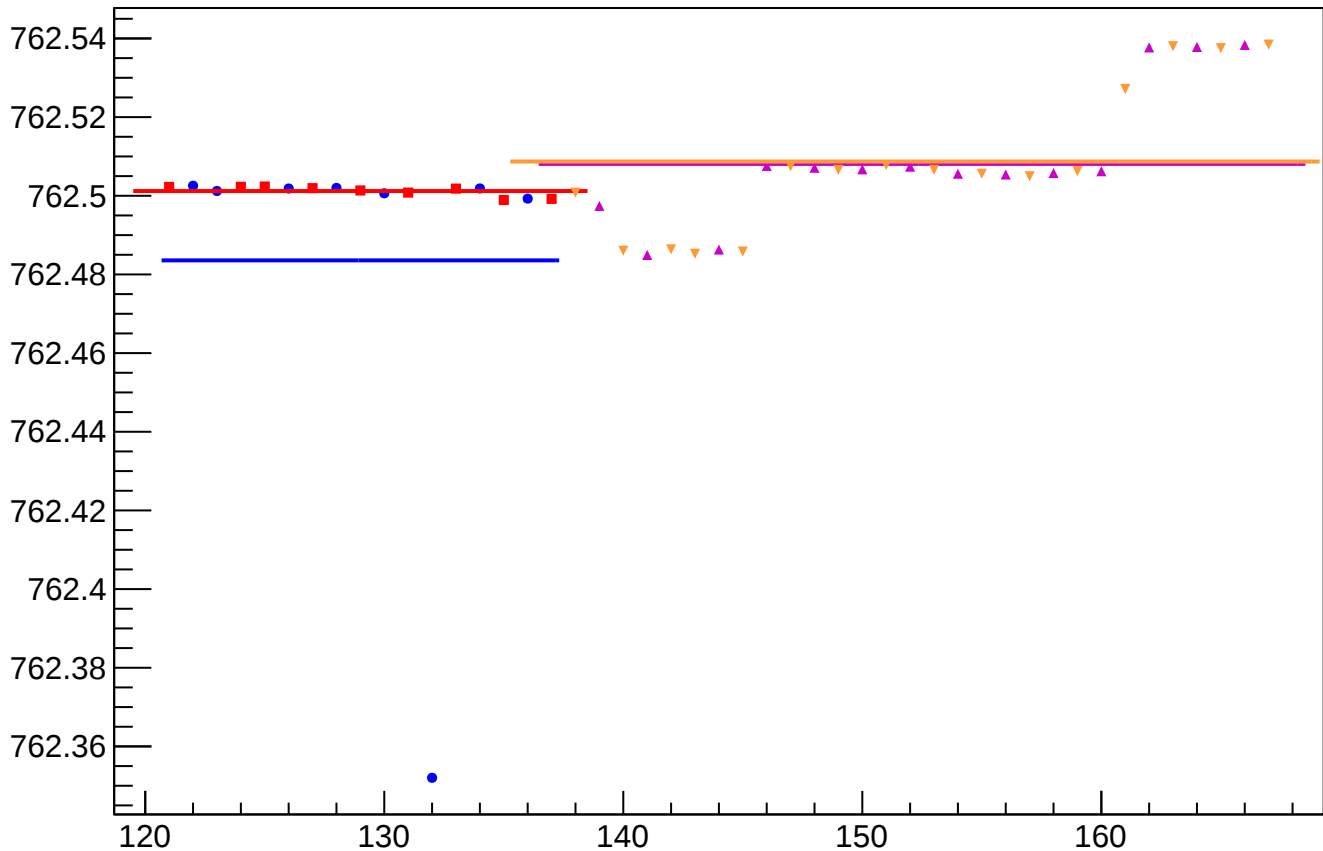
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

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: 924.989 $\pm$ 0.000 χ^2 /NDF: 633840651222450262886919962624.0/13

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: 762.508+/-0.000

χ^2/NDF : 271193411686777871805072801792.0/13

+ sign 762.503+/-0.000

χ^2/NDF : 132985666027071

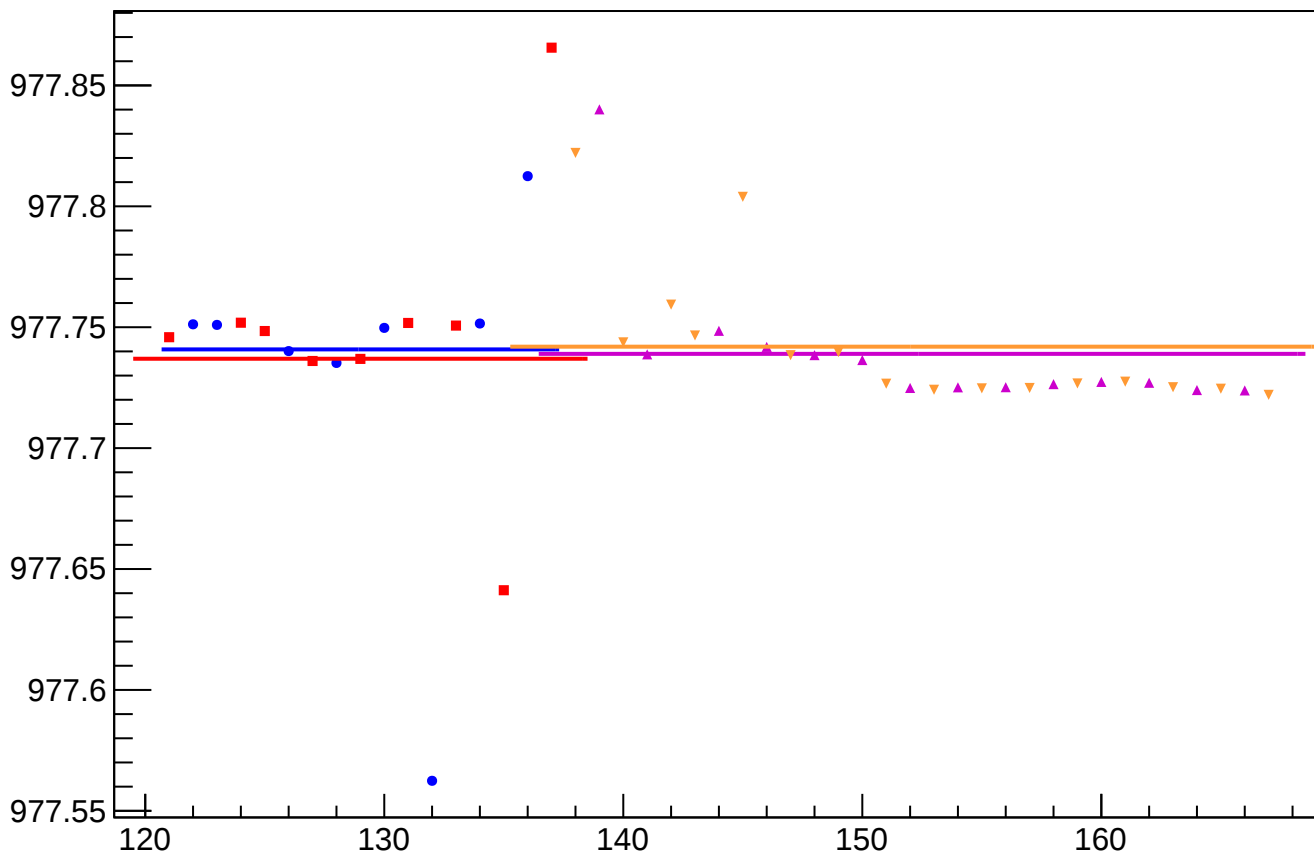
All: 762.505+/-0.000

χ^2/NDF : 162163866690

- sign 762.507+/-0.000

χ^2/NDF : 283484490218753

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

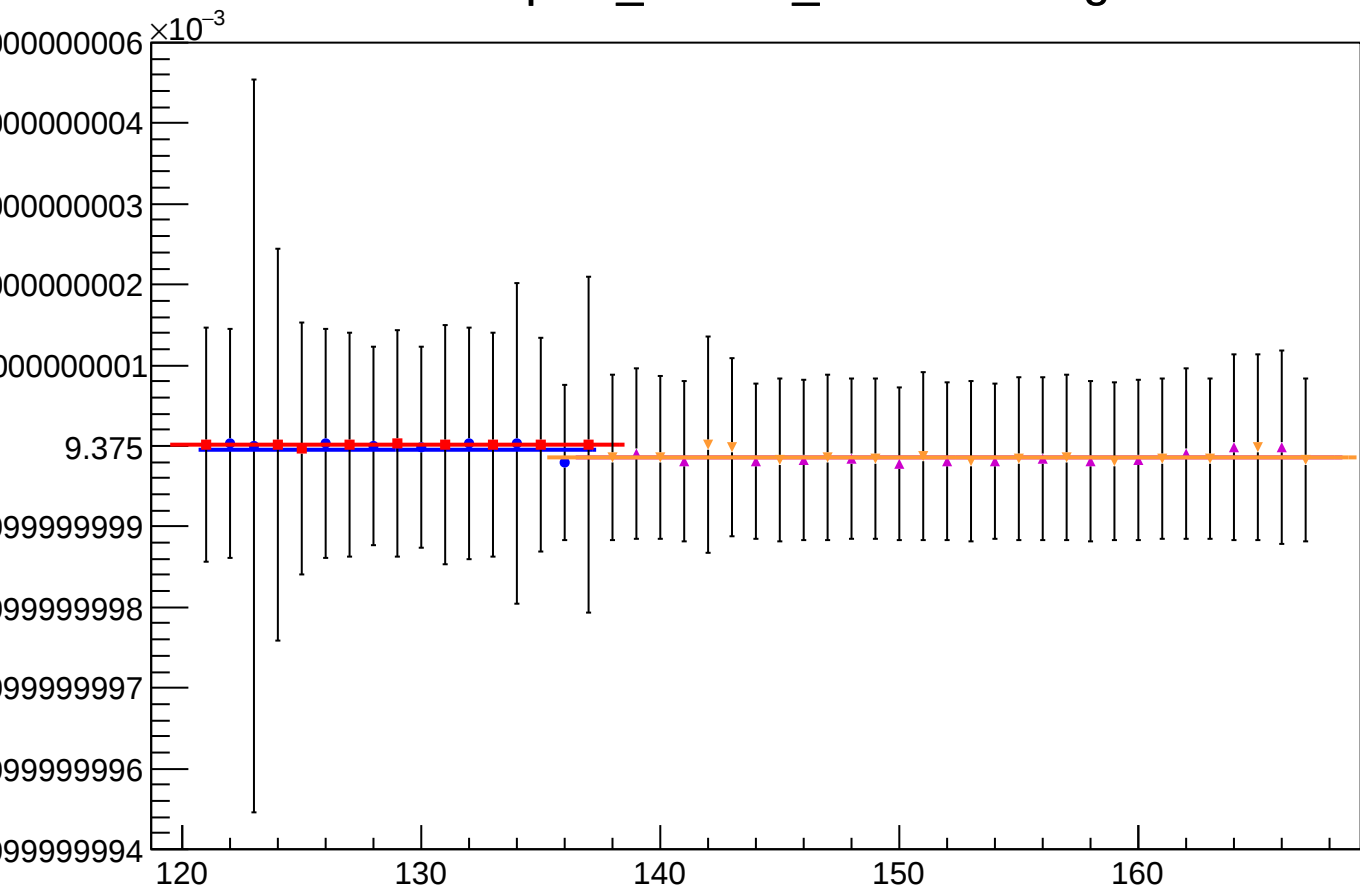
Left In: 977.739 $\pm$ 0.000 χ^2 /NDF: 877741285834028526786351988736.0/13

+ sign 977.742 $\pm$ 0.000 χ^2 /NDF: 277140695048362

All: 977.740 $\pm$ 0.000 χ^2 /NDF: 443007754575

- sign 977.739 $\pm$ 0.000 χ^2 /NDF: 165106665522455

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

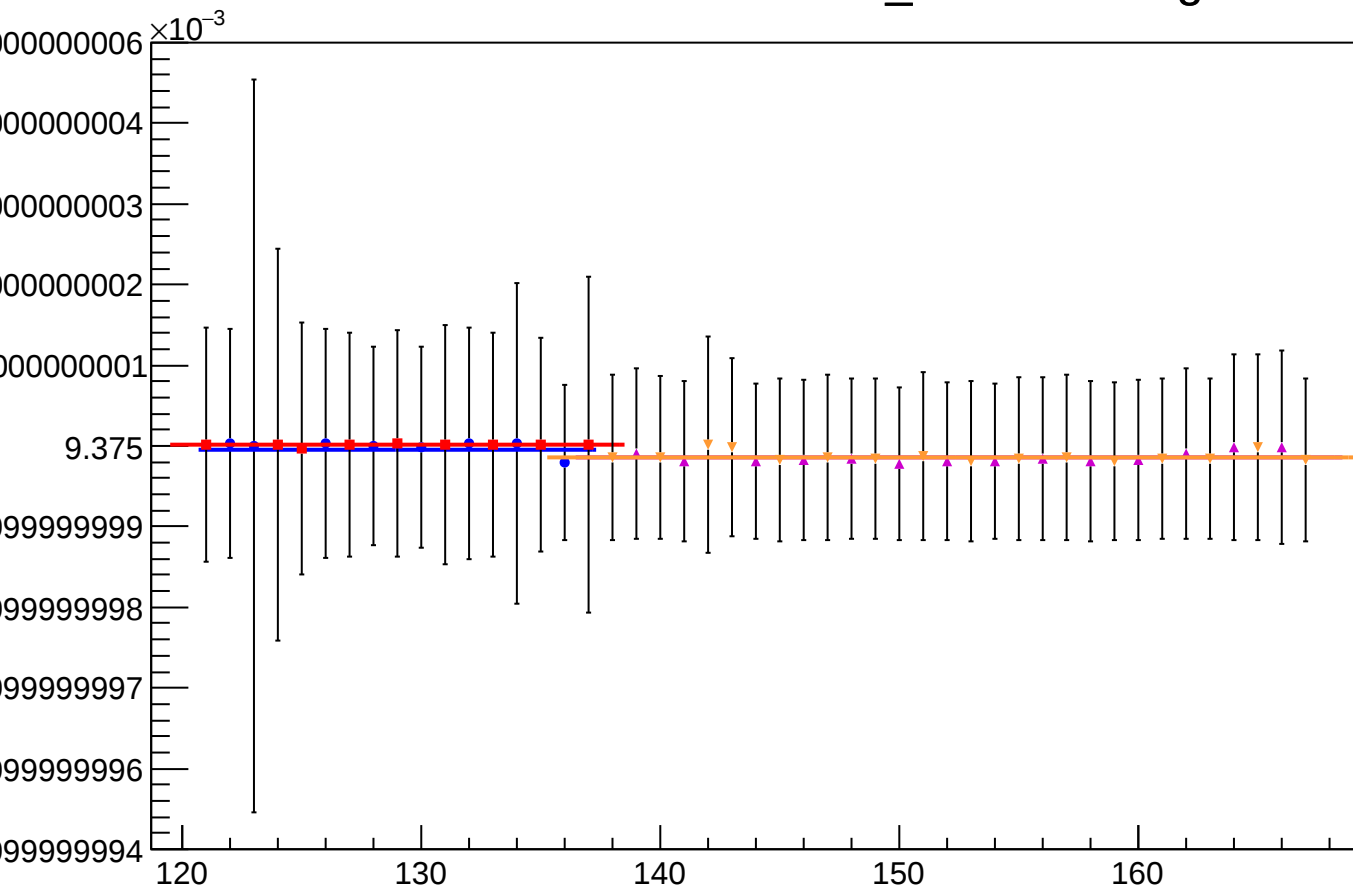
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/46

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

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

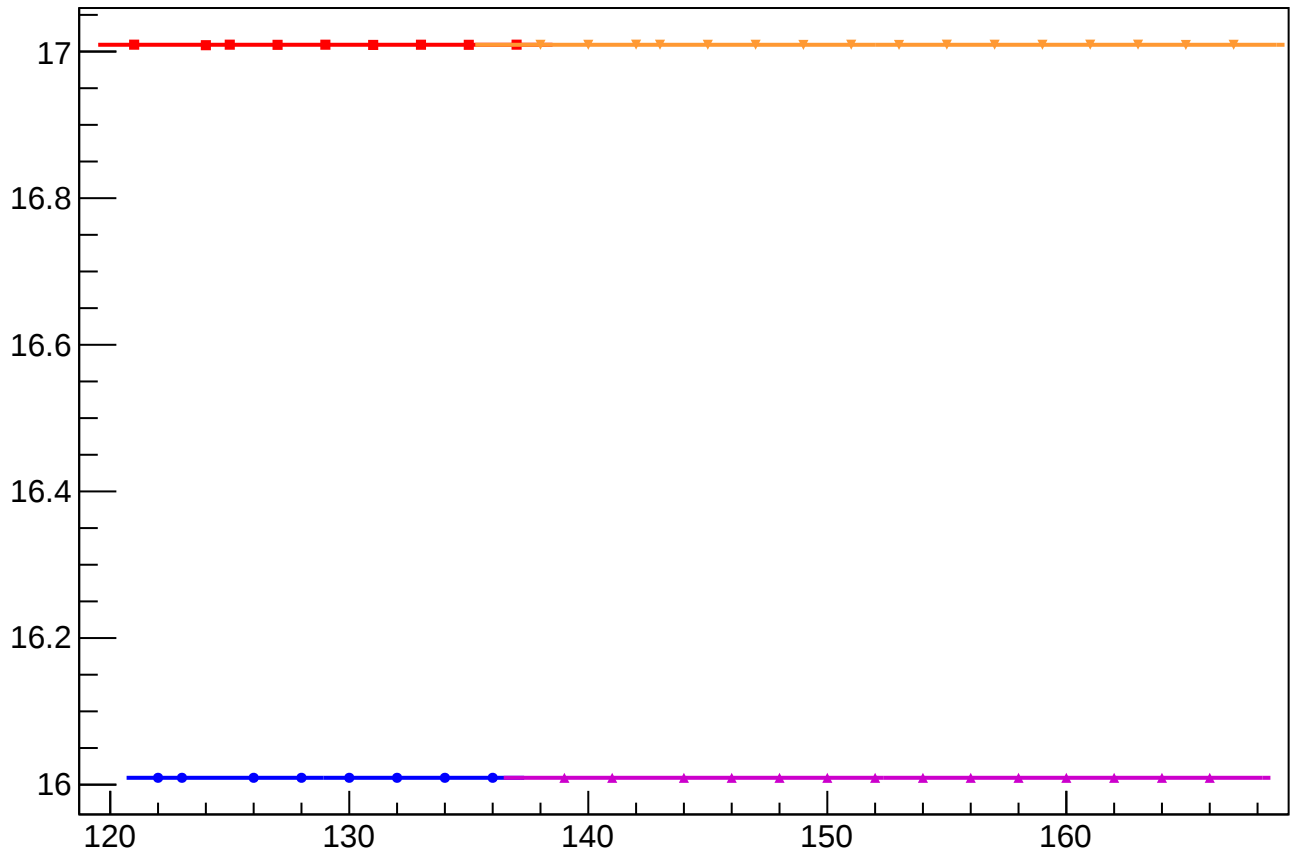
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/23

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/46

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF : 17912190419353891478962176.0/15

Right Out: 17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

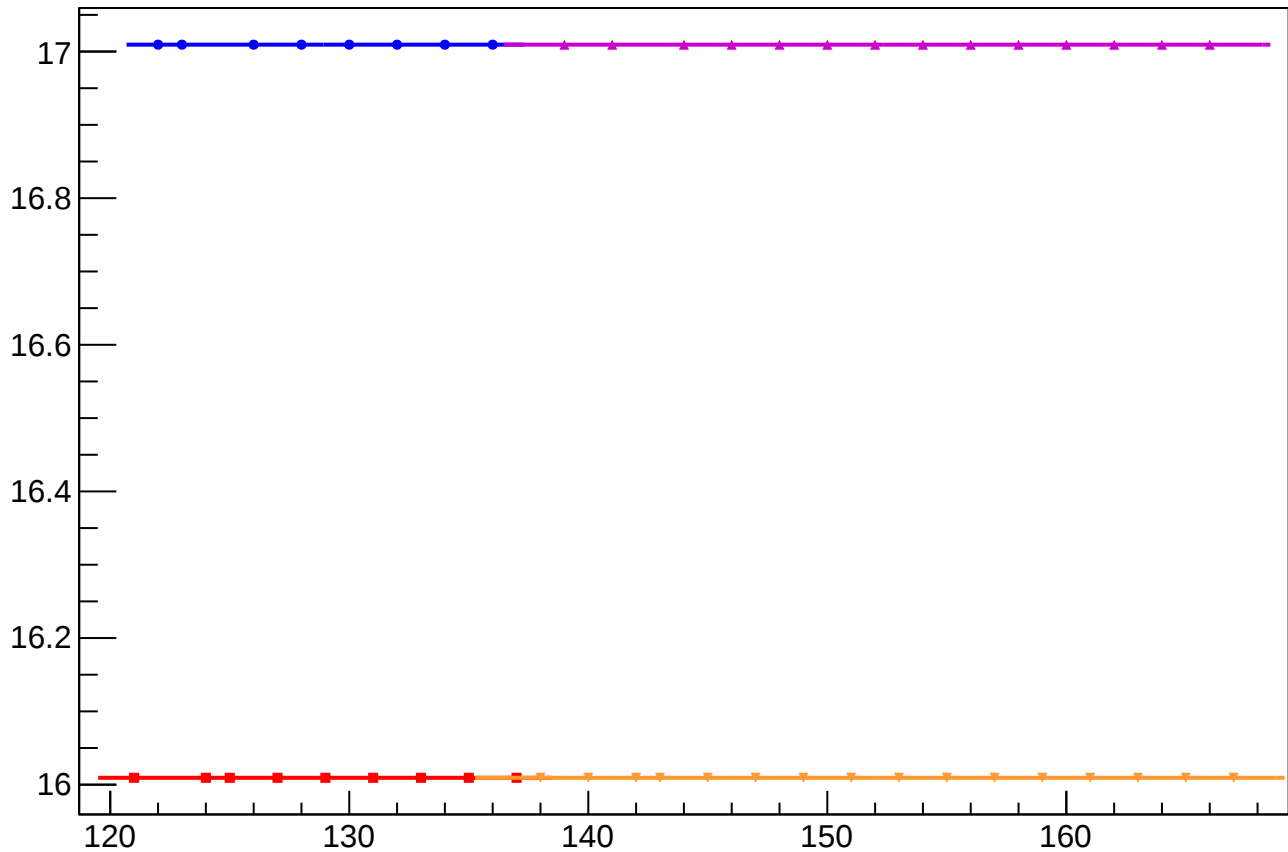
Left In: 16.009+/-0.000 χ^2/NDF : 52847.4/13

+ sign 16.791+/-0.000 χ^2/NDF : 2469657259941881

All: 16.522+/-0.000 χ^2/NDF : 6988596147709

- sign 16.233+/-0.000 χ^2/NDF : 2343784199833455

IGL1I00OD16_16_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 76109.3/7

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 50007.5/15

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 17859.8/8

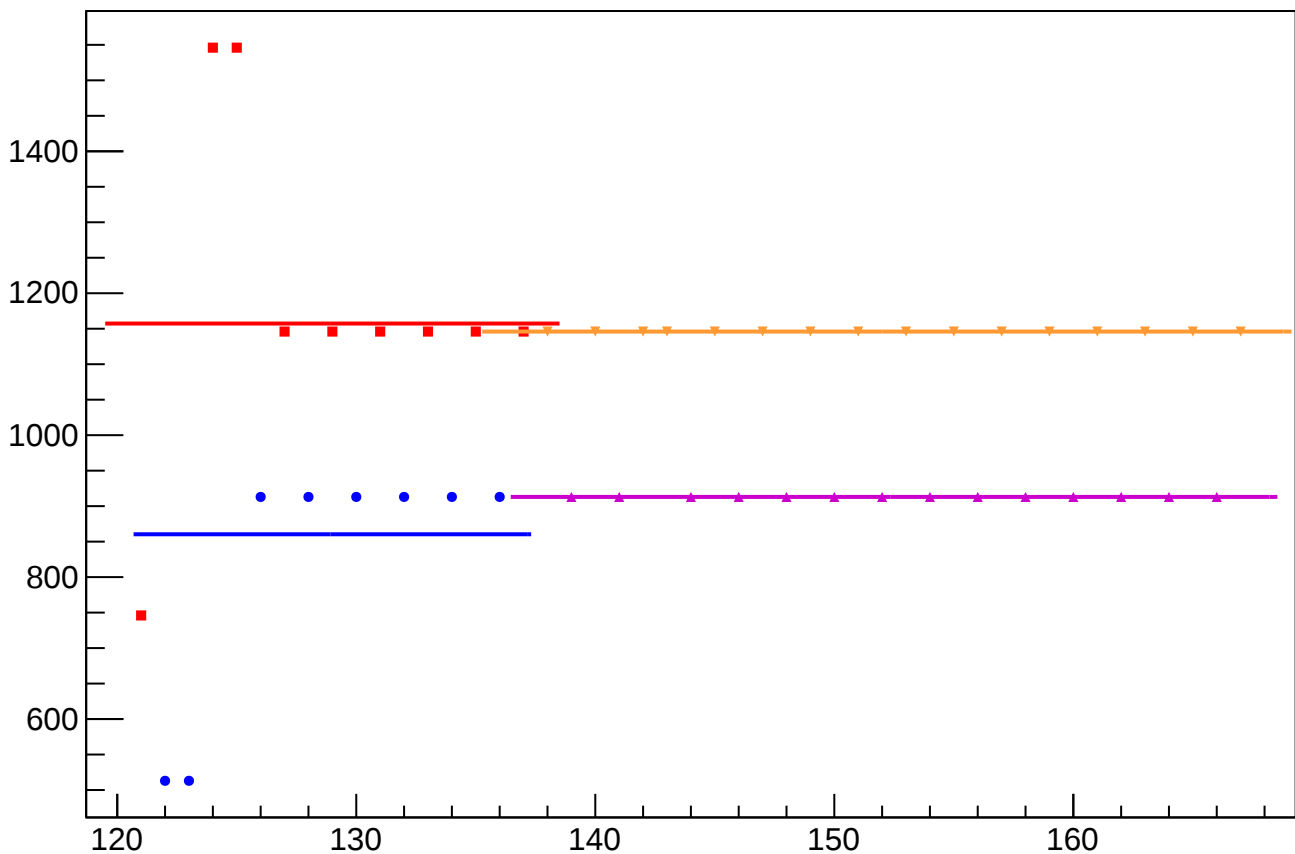
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 35391.5/13

+ sign 16.227 $\pm$ 0.000 χ^2 /NDF: 2674531548757127

All: 16.493 $\pm$ 0.000 χ^2 /NDF: 7471644385026

- sign 16.785 $\pm$ 0.000 χ^2 /NDF: 2474884047786145

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

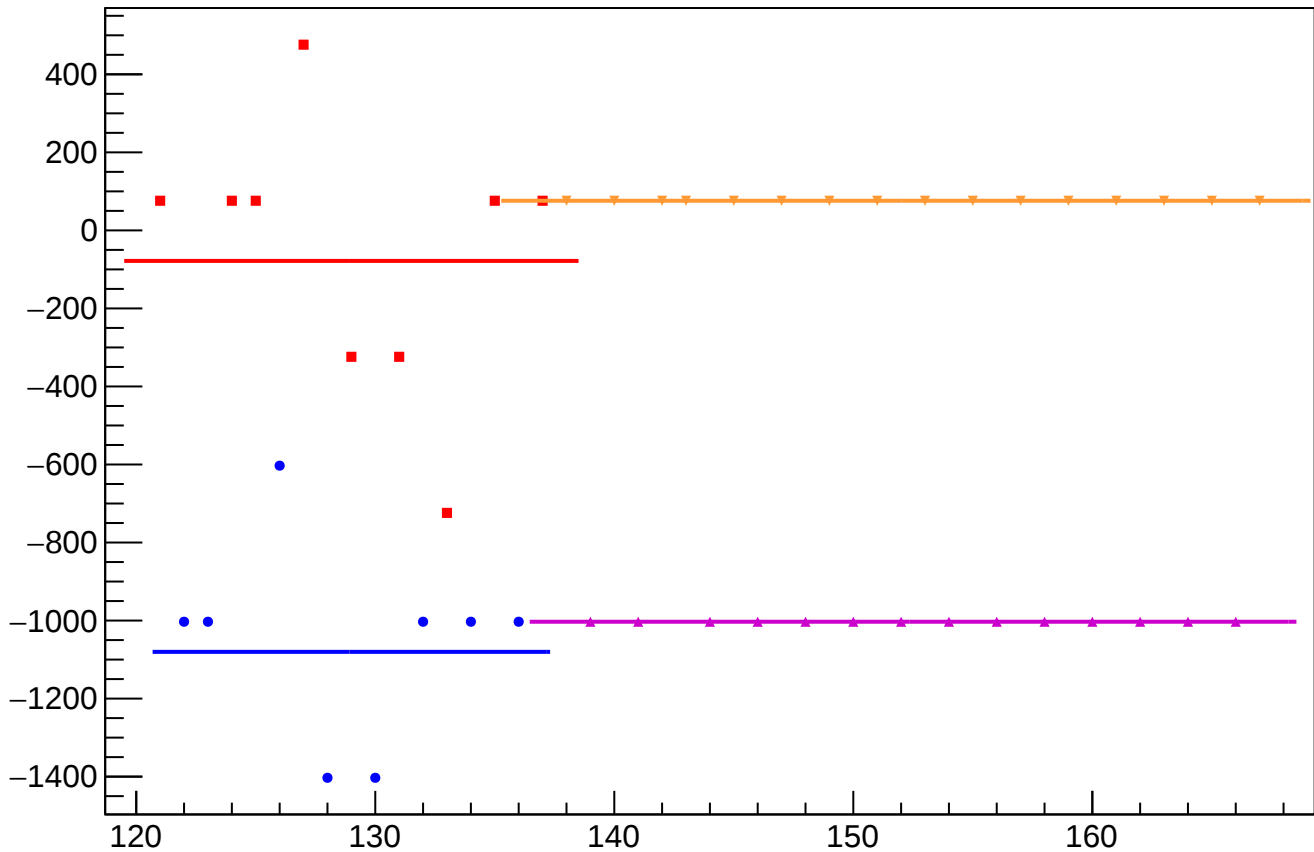
Left In: 912.994+/-0.000 χ^2/NDF : 18026753087333076722211880960.0/13

All: 1028.129+/-0.000 χ^2/NDF : 67142351964.0/15

+ sign 1084.063+/-0.000 χ^2/NDF : 28106677886359.0/15

- sign 967.001+/-0.000 χ^2/NDF : 287099843761704.0/15

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 : 1826673319341216381683105792.0/13