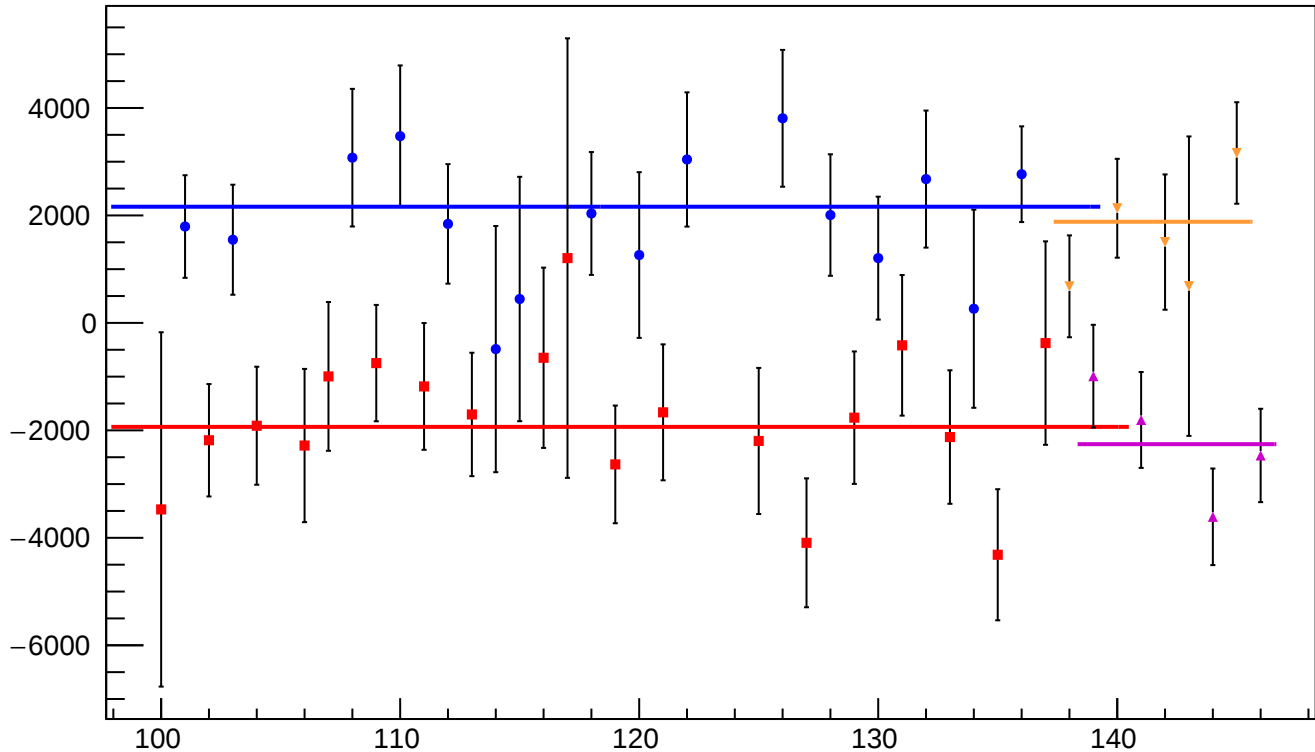


reg_asym_us_avg_mean vs Slug



Right In: 2162.311 ± 307.312

$\chi^2/\text{NDF}: 8.9/15$

2083.261 ± 260.268

$\chi^2/\text{NDF}: 13.0/20$

Left Out: 1882.714 ± 489.481

$\chi^2/\text{NDF}: 3.8/4$

Right Out: -1935.183 ± 299.773

$\chi^2/\text{NDF}: 13.2/18$

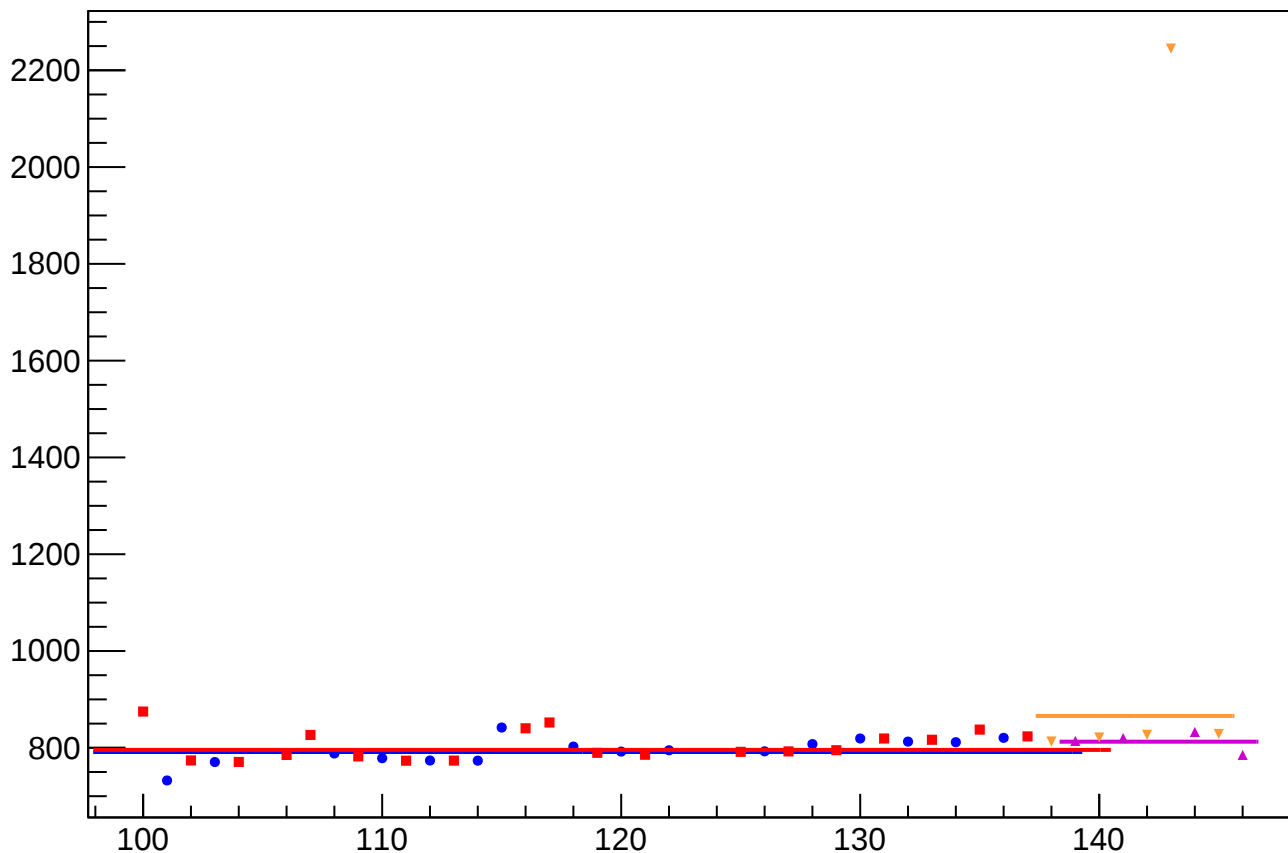
-2033.767 ± 249.682

$\chi^2/\text{NDF}: 17.9/22$

Left In: -2257.069 ± 451.165

$\chi^2/\text{NDF}: 4.3/3$

reg_asym_us_avg_rms vs Slug



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

Left Out: 865.835 ± 0.346 χ^2/NDF : 505591.6/4

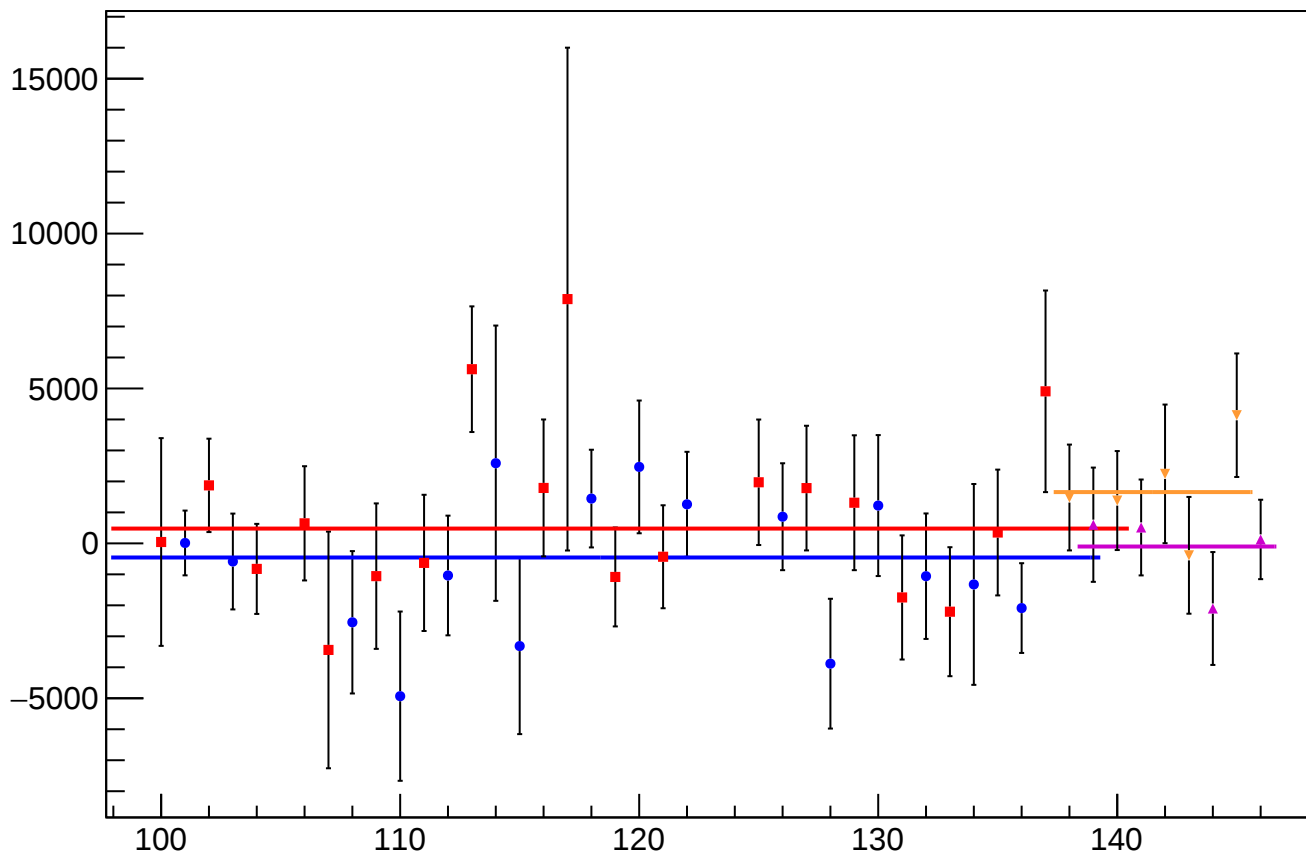
Right Out: 795.650 ± 0.212 χ^2/NDF : 11945.4/18

Left In: 812.631 ± 0.319 χ^2/NDF : 3131.6/3

812.438 ± 0.184 χ^2/NDF : 553782.4/20

800.851 ± 0.177 χ^2/NDF : 17042.3/22

asym_us_avg_correction_mean vs Slug



Right In: -455.675 ± 464.232 $\chi^2/\text{NDF}: 14.9/15$

Left Out: 1655.610 ± 825.539 $\chi^2/\text{NDF}: 2.8/4$

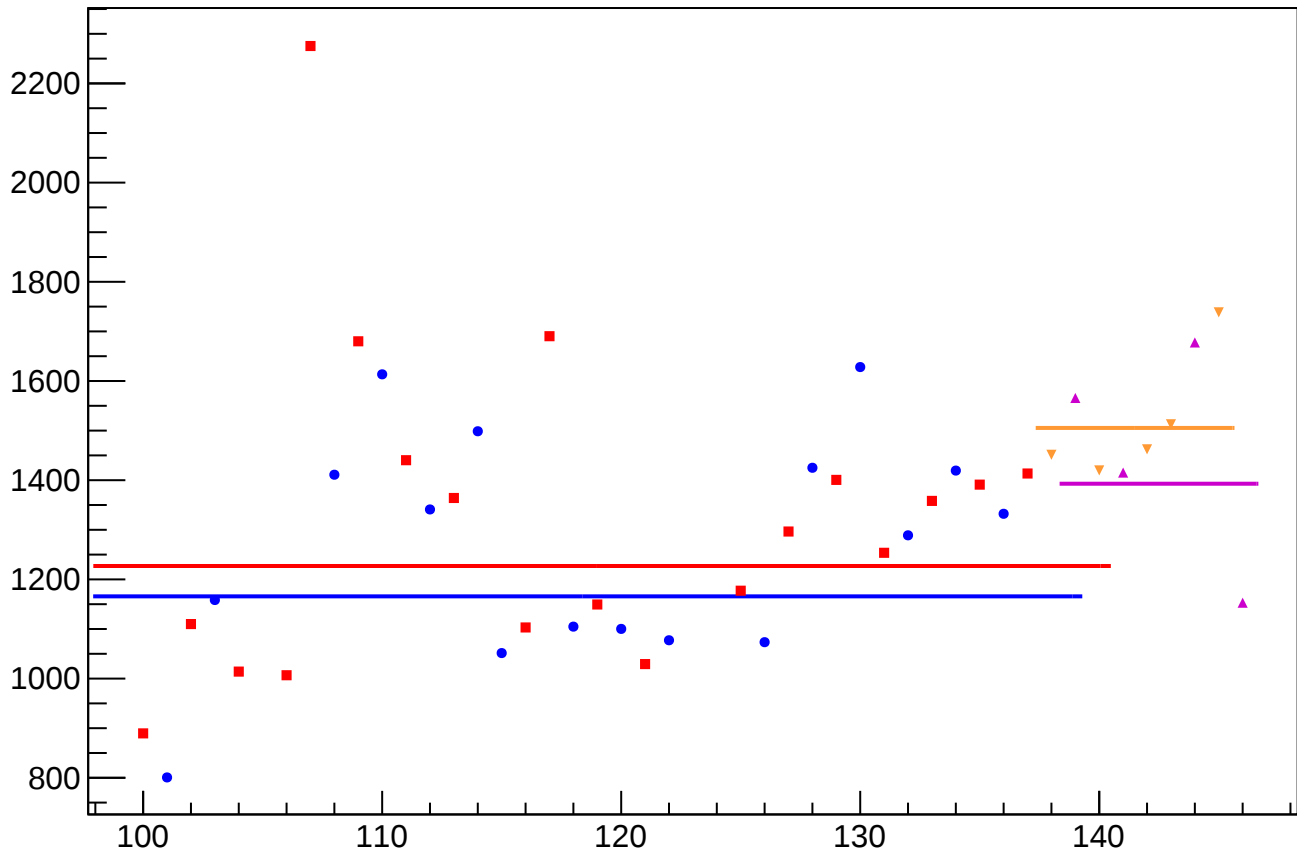
Right Out: 477.782 ± 471.960 $\chi^2/\text{NDF}: 18.2/18$

Left In: -101.544 ± 785.273 $\chi^2/\text{NDF}: 1.5/3$

51.562 ± 404.641 $\chi^2/\text{NDF}: 22.7/20$

324.050 ± 404.521 $\chi^2/\text{NDF}: 20.1/22$

asym_us_avg_correction_rms vs Slug



Right In: 1165.812+/-0.328 χ^2/NDF : 526801.3/15

Left Out: 1505.379+/-0.584 χ^2/NDF : 35848.3/4

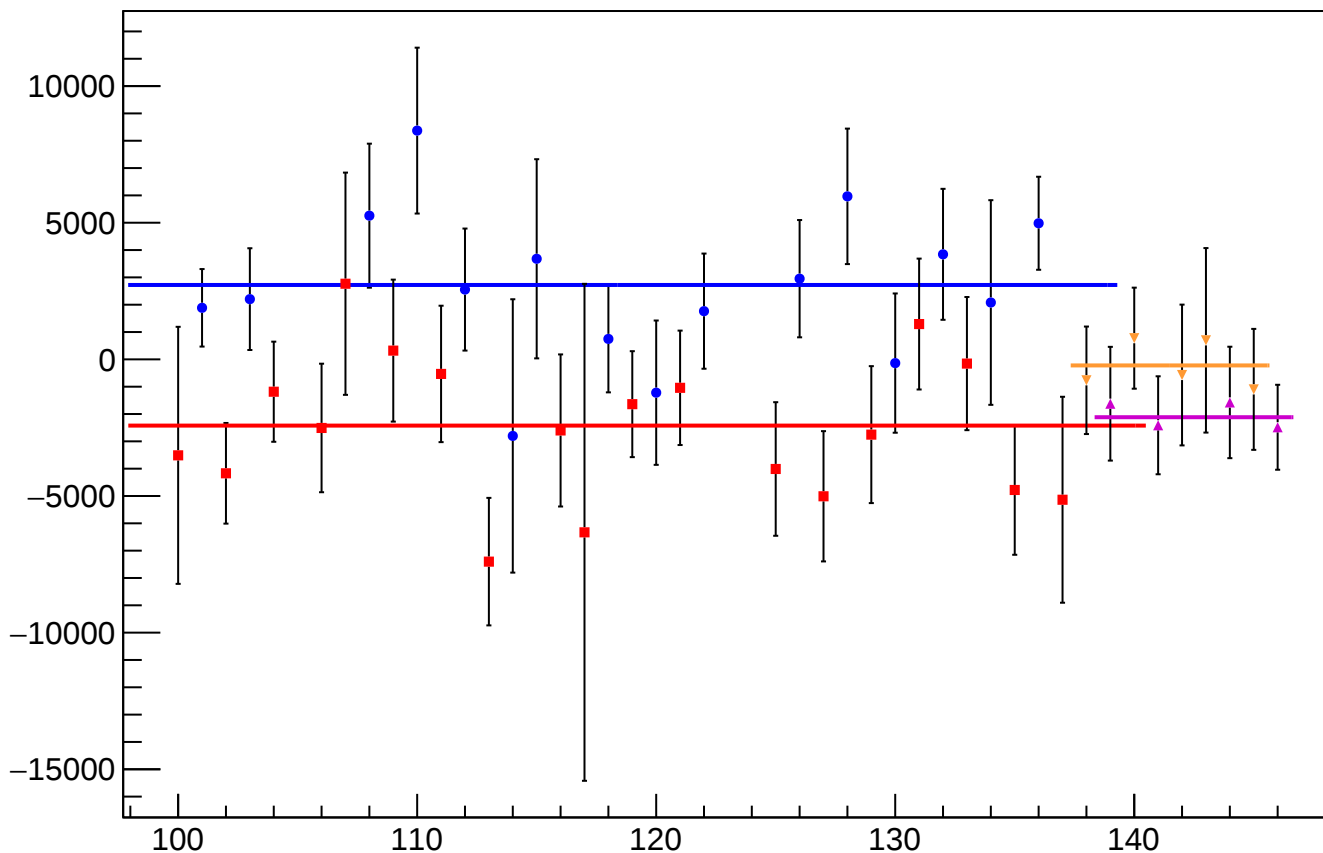
1247.393+/-0.286 χ^2/NDF : 819733.4/20

Right Out: 1227.021+/-0.334 χ^2/NDF : 446961.2/18

1271.038+/-0.286 χ^2/NDF : 649492.7/22

Left In: 1392.898+/-0.555 χ^2/NDF : 136971.9/3

asym_us_avg_mean vs Slug



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

Left Out: -221.999 $\pm$ 1003.181 χ^2 /NDF: 0.6/4

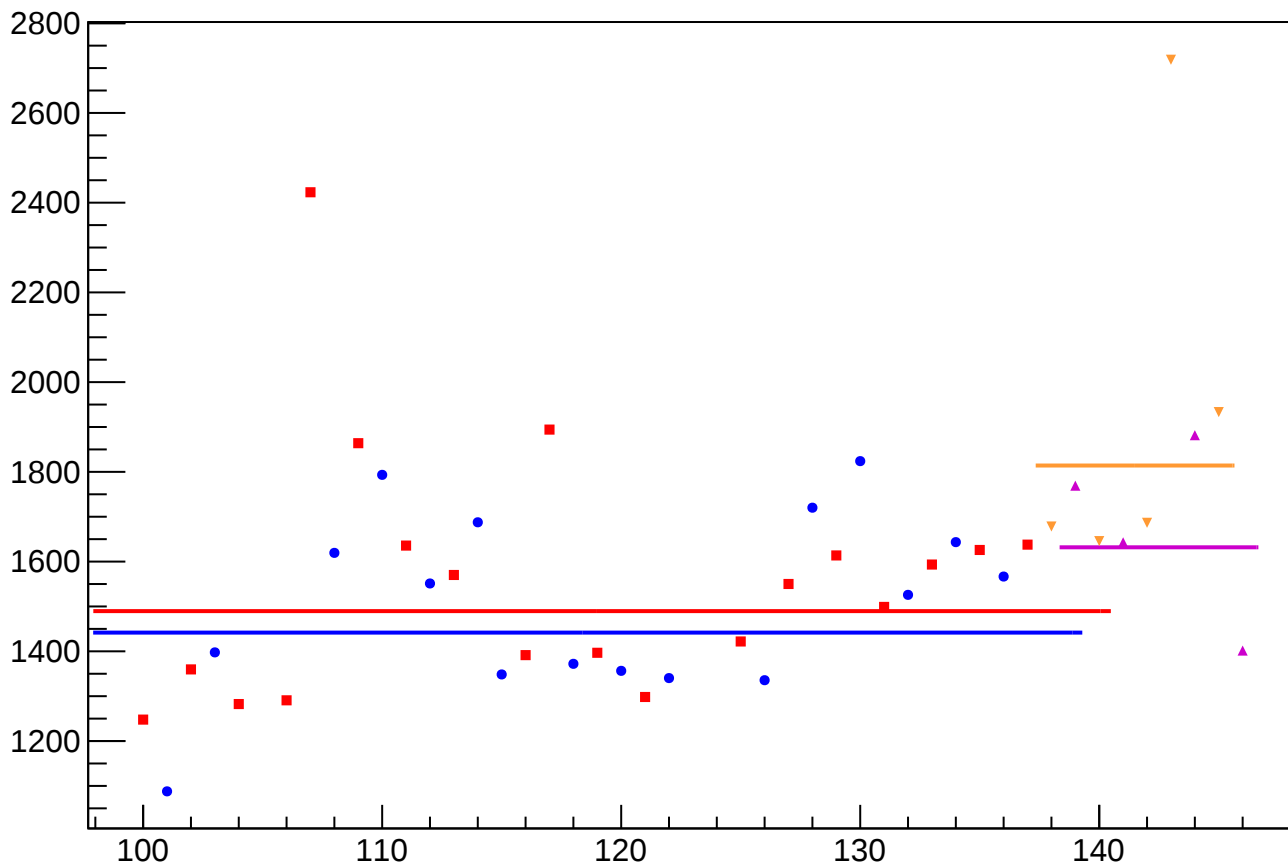
Right Out: -2423.739 $\pm$ 567.866 χ^2 /NDF: 16.5/18

Left In: -2117.055 $\pm$ 914.211 χ^2 /NDF: 0.2/3

2009.168 $\pm$ 493.714 χ^2 /NDF: 21.7/20

-2338.354 $\pm$ 482.381 χ^2 /NDF: 16.8/22

asym_us_avg_rms vs Slug



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

Left Out: 1814.127+/-0.709 χ^2/NDF :180418.8/4

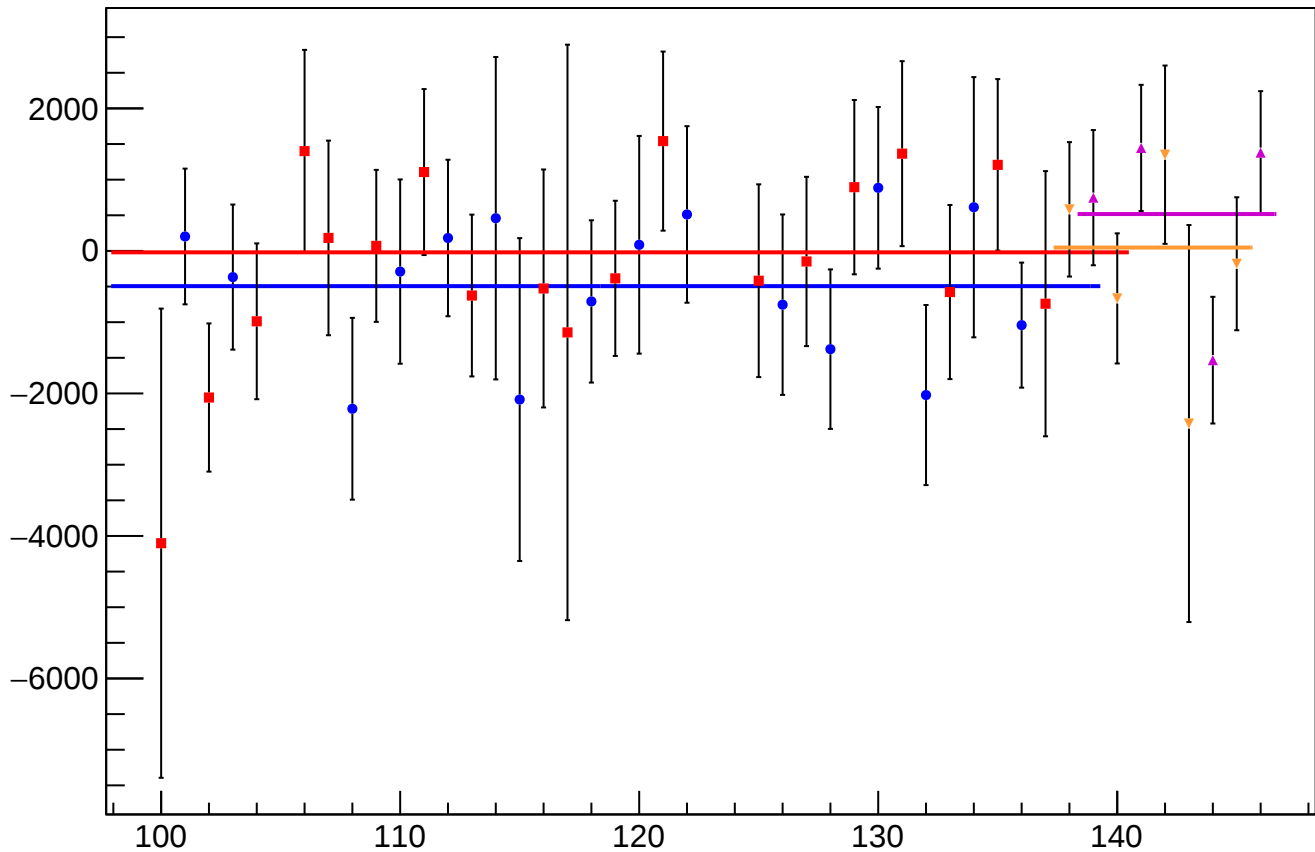
Right Out: 1489.610+/-0.402 χ^2/NDF : 260116.0/18

Left In: 1631.838+/-0.646 χ^2/NDF :82680.3/3

1531.921+/-0.349 χ^2/NDF : 665181.5/20

1529.208+/-0.341 χ^2/NDF : 377726.2/22

reg_asym_us_dd_mean vs Slug



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

Left Out: 47.265+/-485.634 χ^2/NDF : 2.9/4

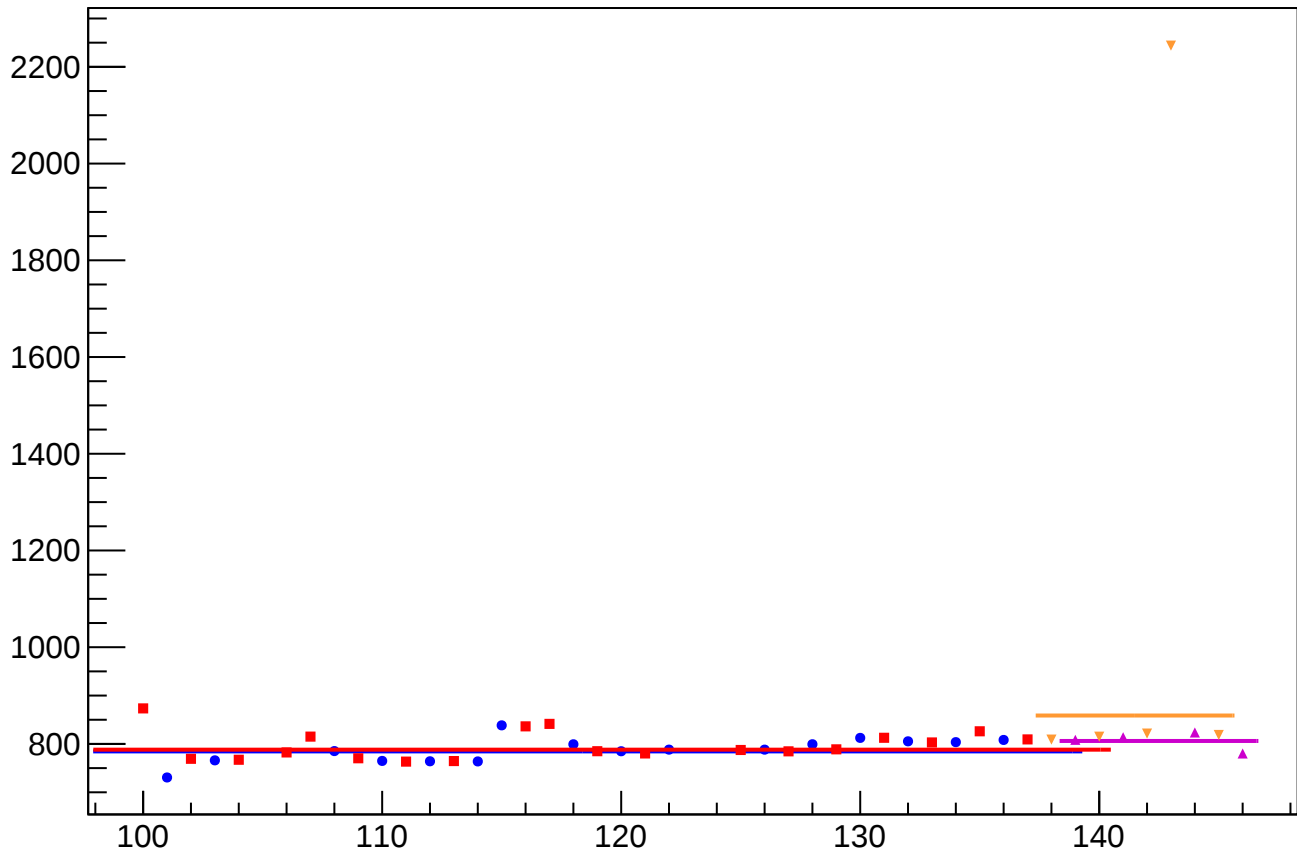
Right Out: -19.622+/-296.930 χ^2/NDF : 13.4/18

Left In: 517.522+/-447.519 χ^2/NDF : 7.5/3

-341.311+/-258.069 χ^2/NDF : 12.4/20

144.566+/-247.422 χ^2/NDF : 21.9/22

reg_asym_us_dd_rms vs Slug



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

Left Out: 858.750+/-0.343 χ^2/NDF : 510168.8/4

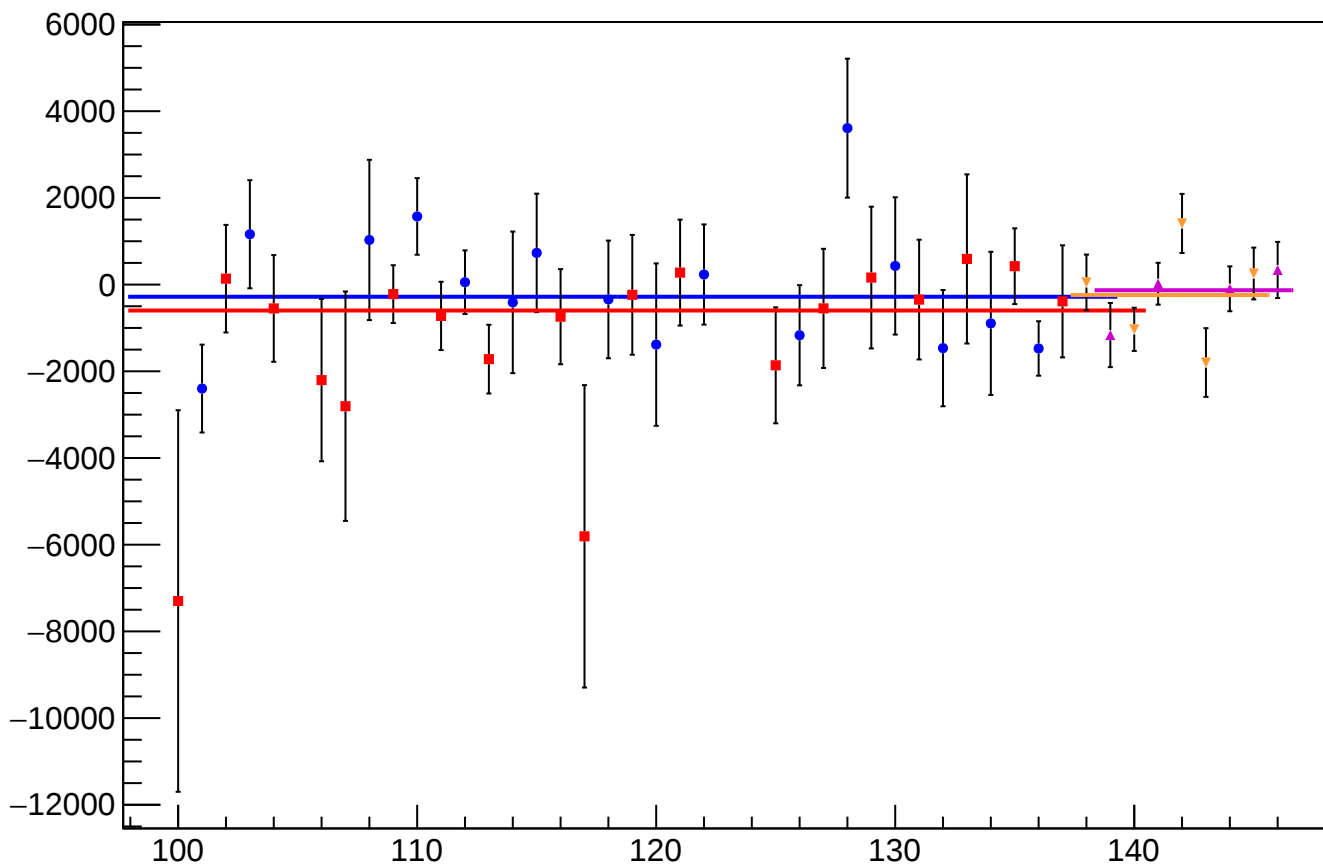
Right Out: 788.134+/-0.210 χ^2/NDF : 11259.7/18

Left In: 806.124+/-0.316 χ^2/NDF : 2743.9/3

805.509+/-0.182 χ^2/NDF : 557344.6/20

793.633+/-0.175 χ^2/NDF : 16247.7/22

asym_us_dd_correction_mean vs Slug



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

Left Out: -241.532+/-277.352 χ^2/NDF : 13.1/4

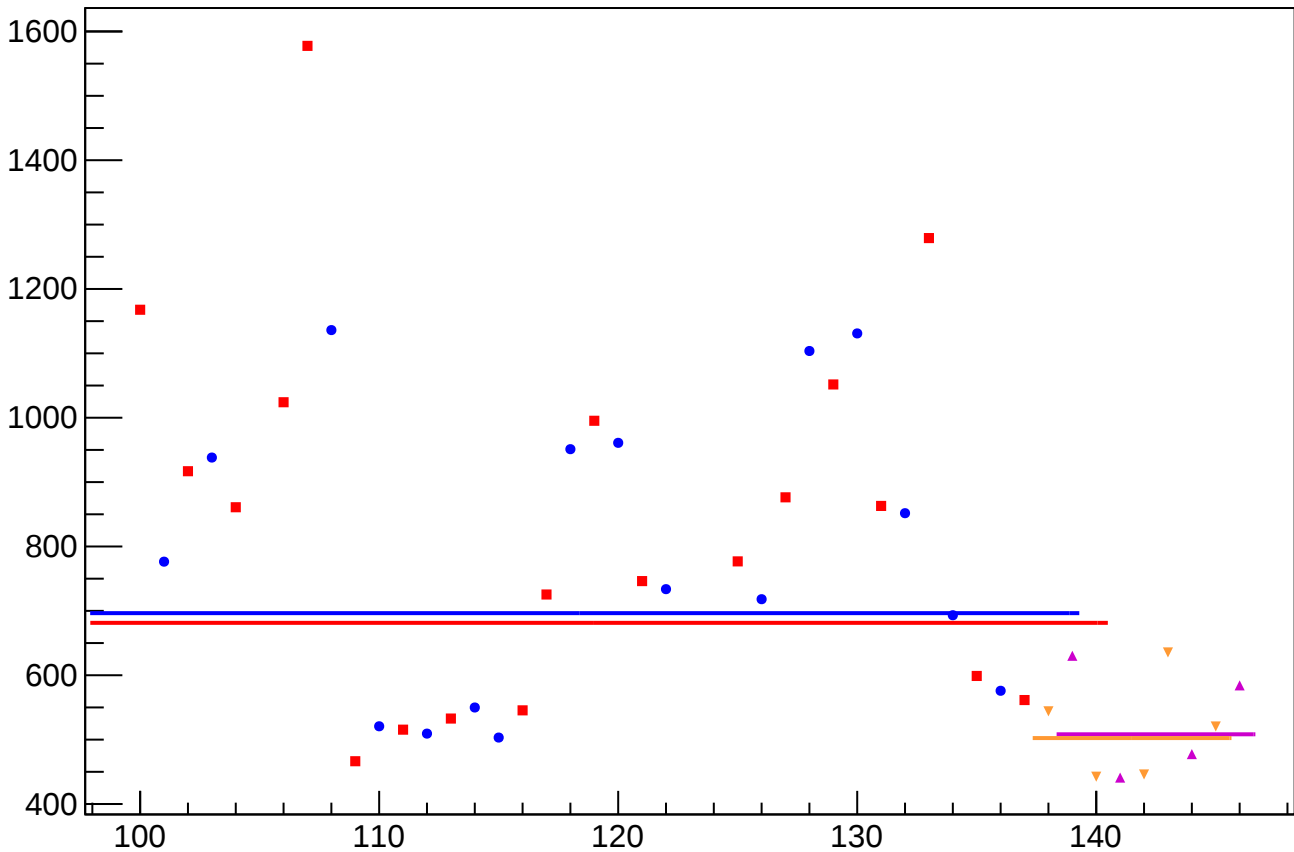
Right Out: -598.108+/-272.052 χ^2/NDF : 12.2/18

Left In: -130.383+/-285.792 χ^2/NDF : 2.6/3

-260.722+/-197.913 χ^2/NDF : 36.3/20

-375.759+/-197.048 χ^2/NDF : 16.2/22

asym_us_dd_correction_rms vs Slug



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

Left Out: 502.409 ± 0.196 χ^2/NDF : 109218.2/4

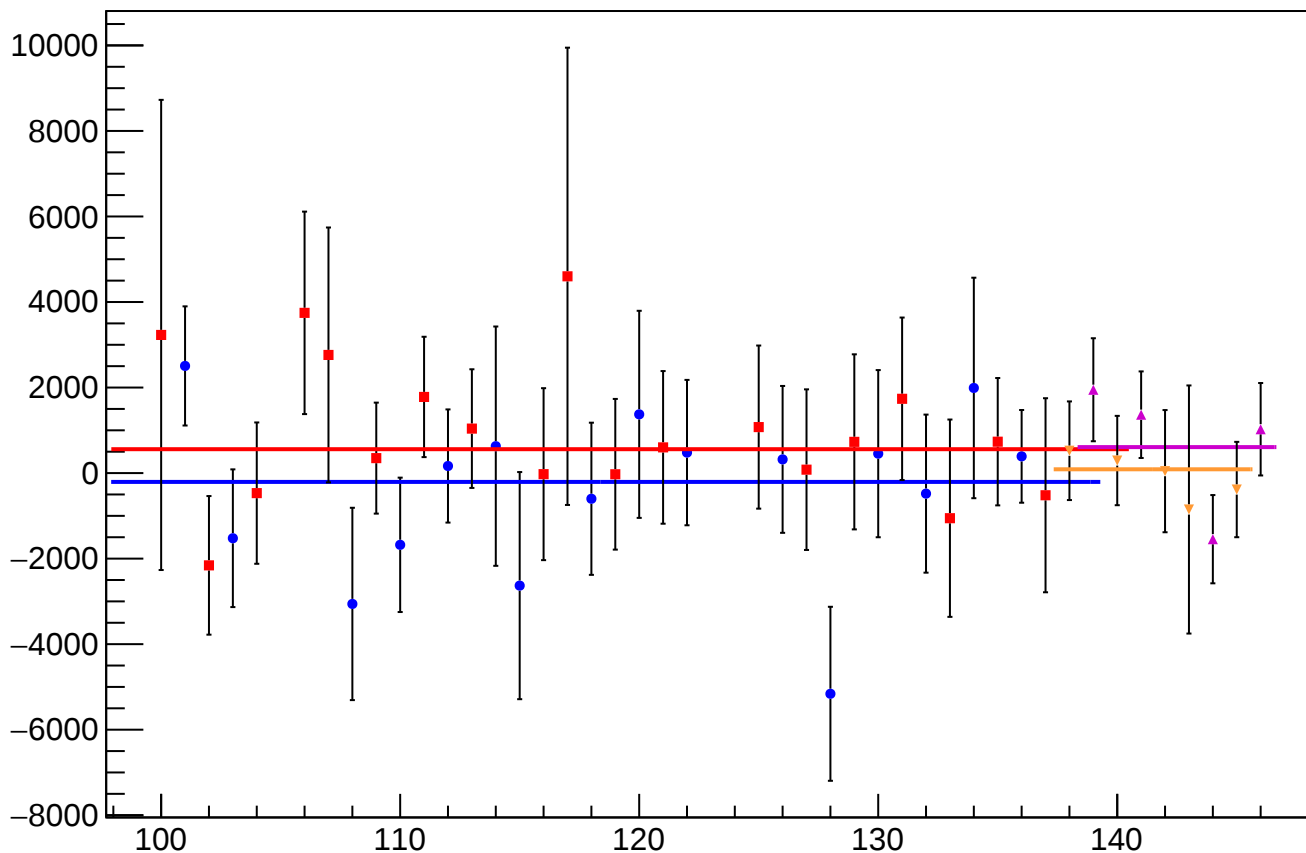
Right Out: 681.396 ± 0.192 χ^2/NDF : 1352876.1/18

Left In: 508.276 ± 0.202 χ^2/NDF : 127779.9/3

597.651 ± 0.140 χ^2/NDF : 1549233.2/20

599.098 ± 0.139 χ^2/NDF : 1865660.2/22

asym_us_dd_mean vs Slug



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

Left Out: 88.576 ± 569.612 χ^2/NDF : 0.5/4

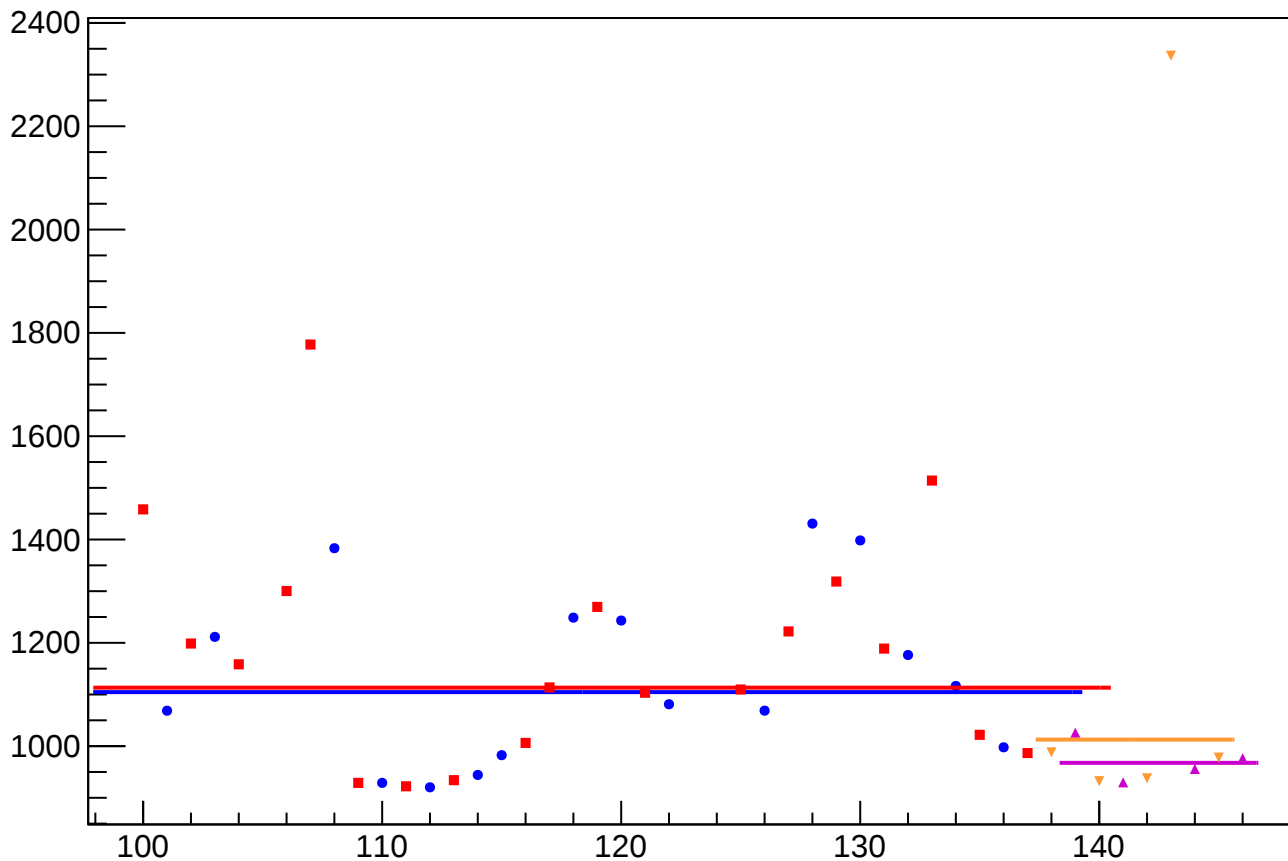
Right Out: 558.638 ± 425.771 χ^2/NDF : 8.7/18

Left In: 607.465 ± 537.521 χ^2/NDF : 6.3/3

-98.117 ± 345.101 χ^2/NDF : 16.4/20

577.462 ± 333.754 χ^2/NDF : 15.0/22

asym_us_dd_rms vs Slug



Right In: 1104.596+/-0.307 χ^2/NDF : 255488.3/15

Left Out: 1012.714+/-0.403 χ^2/NDF : 436890.9/4

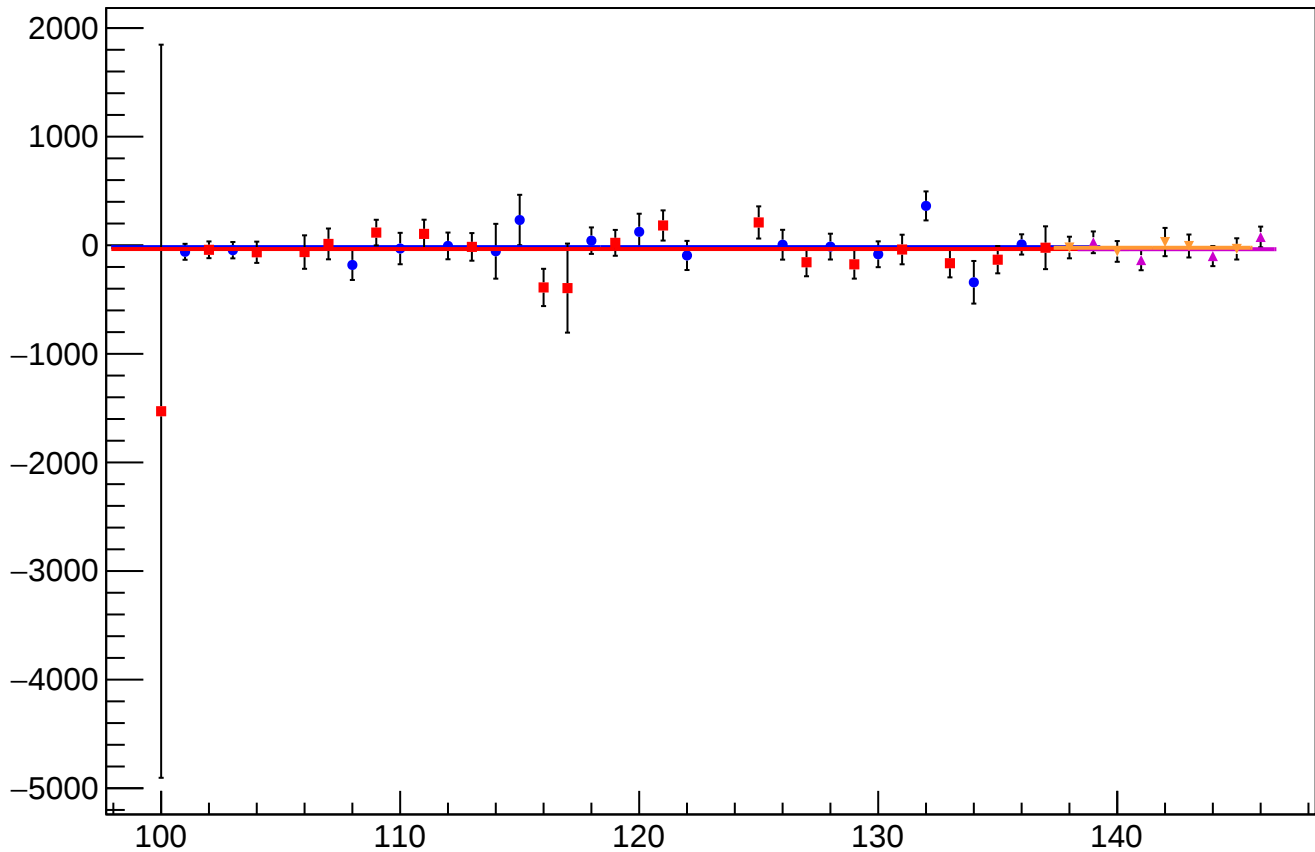
Right Out: 1113.218+/-0.301 χ^2/NDF : 362982.2/18

Left In: 967.650+/-0.380 χ^2/NDF : 7871.5/3

1070.870+/-0.244 χ^2/NDF : 725317.3/20

1057.097+/-0.236 χ^2/NDF : 460984.5/22

reg_asym_ds_avg_mean vs Slug



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

Left Out: -23.142 ± 46.439 χ^2/NDF : 0.3/4

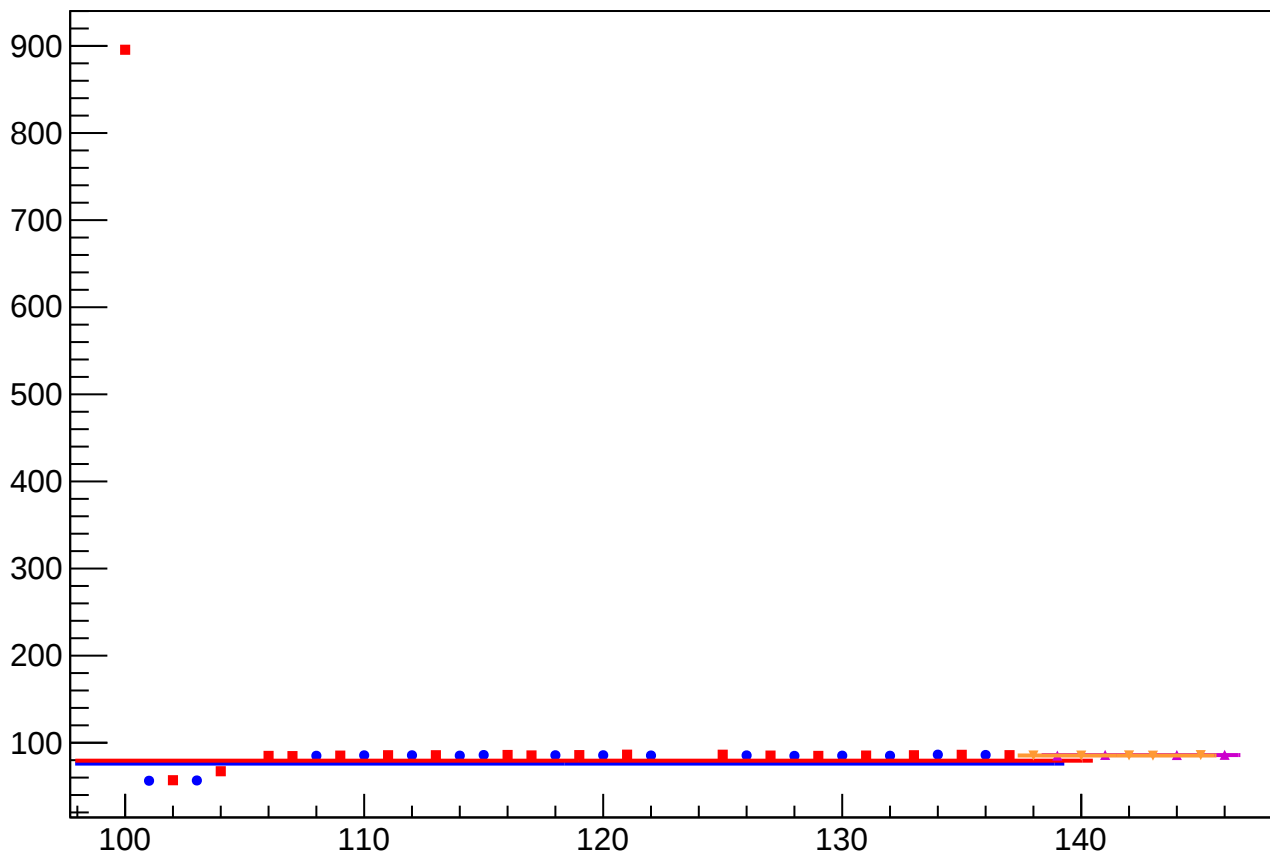
Right Out: -34.875 ± 30.363 χ^2/NDF : 17.3/18

Left In: -36.432 ± 47.660 χ^2/NDF : 3.4/3

-18.974 ± 25.192 χ^2/NDF : 15.9/20

-35.324 ± 25.608 χ^2/NDF : 20.7/22

reg_asym_ds_avg_rms vs Slug



Right In: 76.079+/-0.021 χ^2/NDF : 409170.8/15

Left Out: 85.403+/-0.033 χ^2/NDF :47.1/4

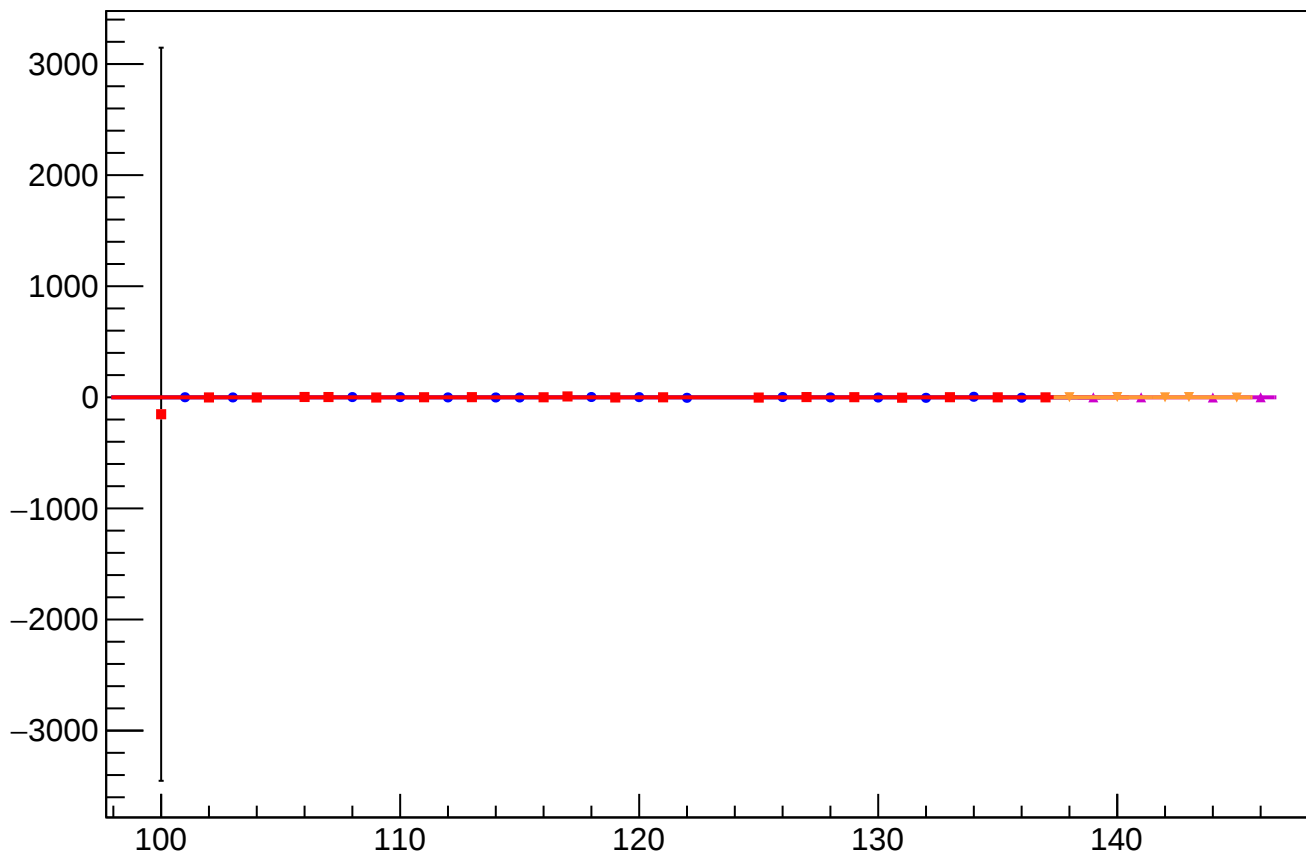
Right Out: 79.423+/-0.021 χ^2/NDF : 378959.4/18

Left In: 85.866+/-0.034 χ^2/NDF :96.2/3

78.823+/-0.018 χ^2/NDF : 466110.7/20

81.283+/-0.018 χ^2/NDF : 405051.2/22

asym_ds_avg_correction_mean vs Slug



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

Left Out: 0.498+/-0.820 χ^2/NDF : 4.9/4

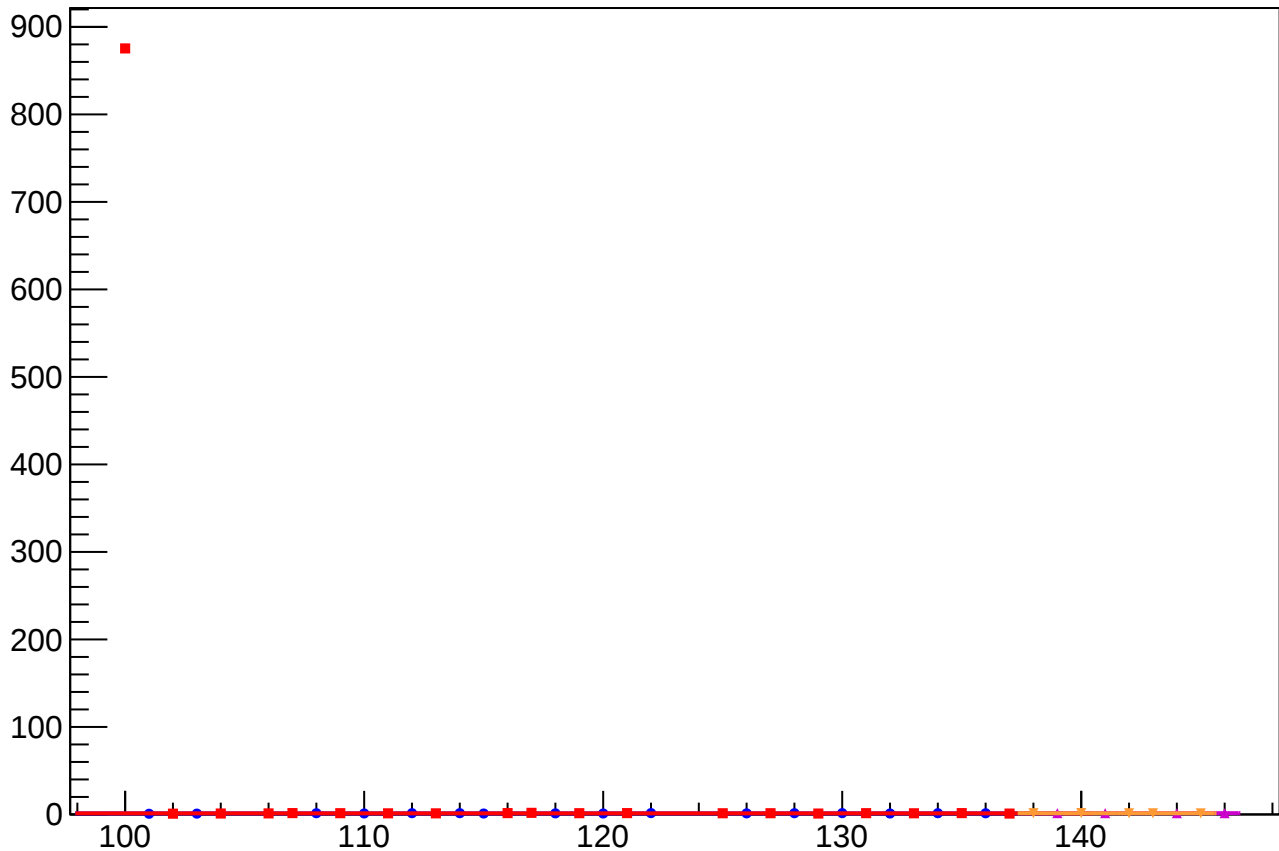
Right Out: -0.051+/-0.520 χ^2/NDF : 9.8/18

Left In: -0.031+/-0.872 χ^2/NDF : 0.6/3

-0.069+/-0.428 χ^2/NDF : 26.7/20

-0.046+/-0.446 χ^2/NDF : 10.4/22

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.386 $\pm$ 0.001 χ^2 /NDF: 38336.4/4

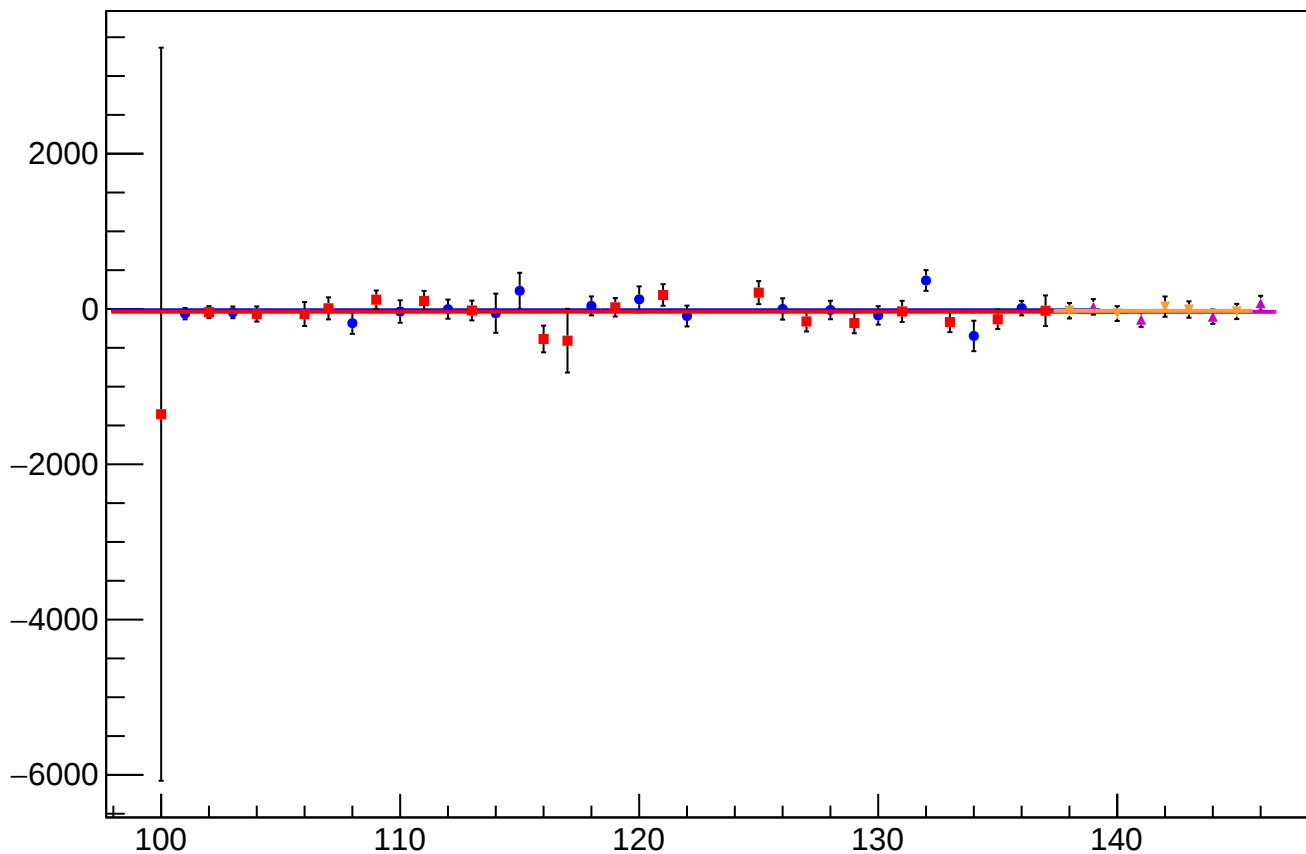
Right Out: 1.249 $\pm$ 0.000 χ^2 /NDF: 526097.8/18

Left In: 1.472 $\pm$ 0.001 χ^2 /NDF: 2550.9/3

1.216 $\pm$ 0.000 χ^2 /NDF: 670786.5/20

1.307 $\pm$ 0.000 χ^2 /NDF: 624688.3/22

asym_ds_avg_mean vs Slug



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

Left Out: -23.283+/-46.451 χ^2 /NDF:0.3/4

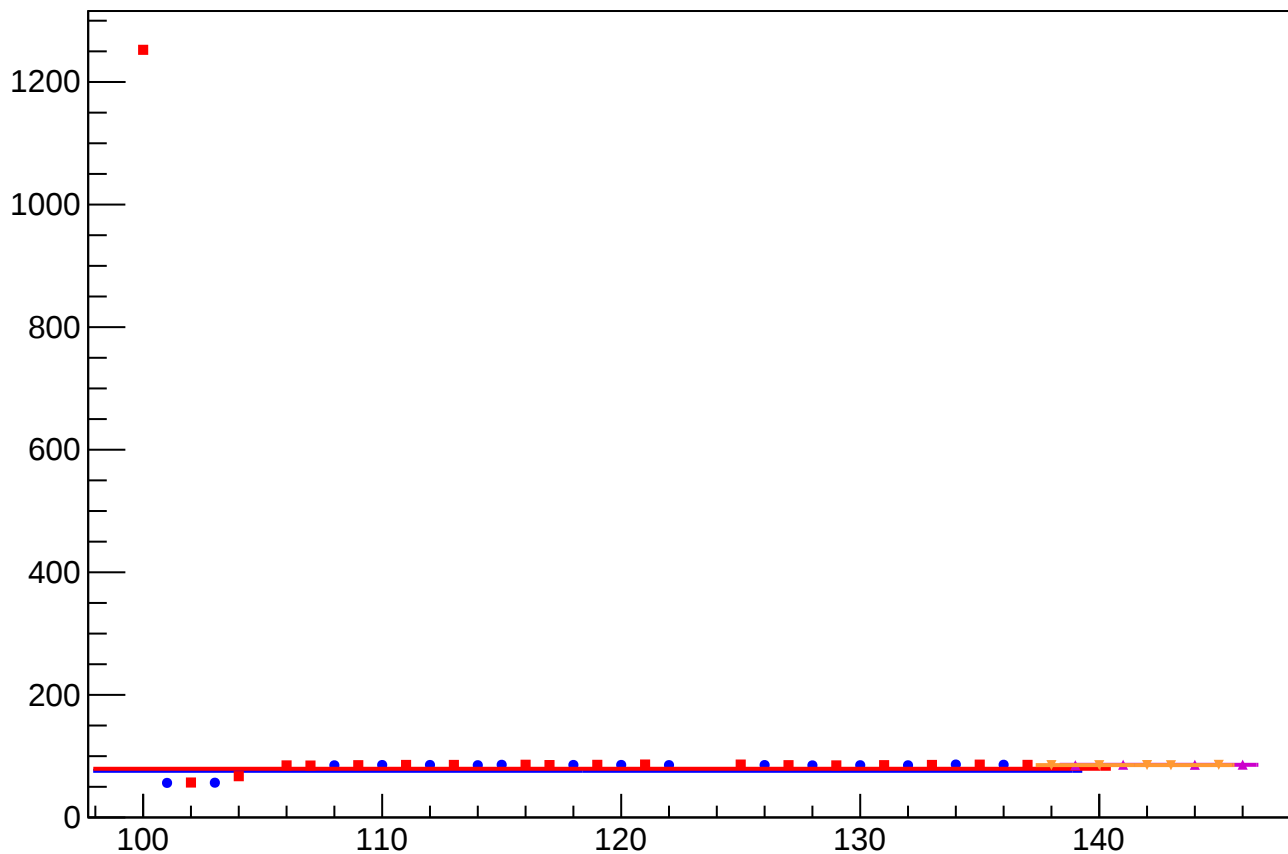
Right Out: -35.172+/-30.371 χ^2 /NDF: 17.4/18

Left In: -36.544+/-47.672 χ^2 /NDF:3.4/3

-18.363+/-25.199 χ^2 /NDF: 16.2/20

-35.568+/-25.615 χ^2 /NDF: 20.7/22

asym_ds_avg_rms vs Slug



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

Left Out: 85.425+/-0.033 χ^2 /NDF:47.3/4

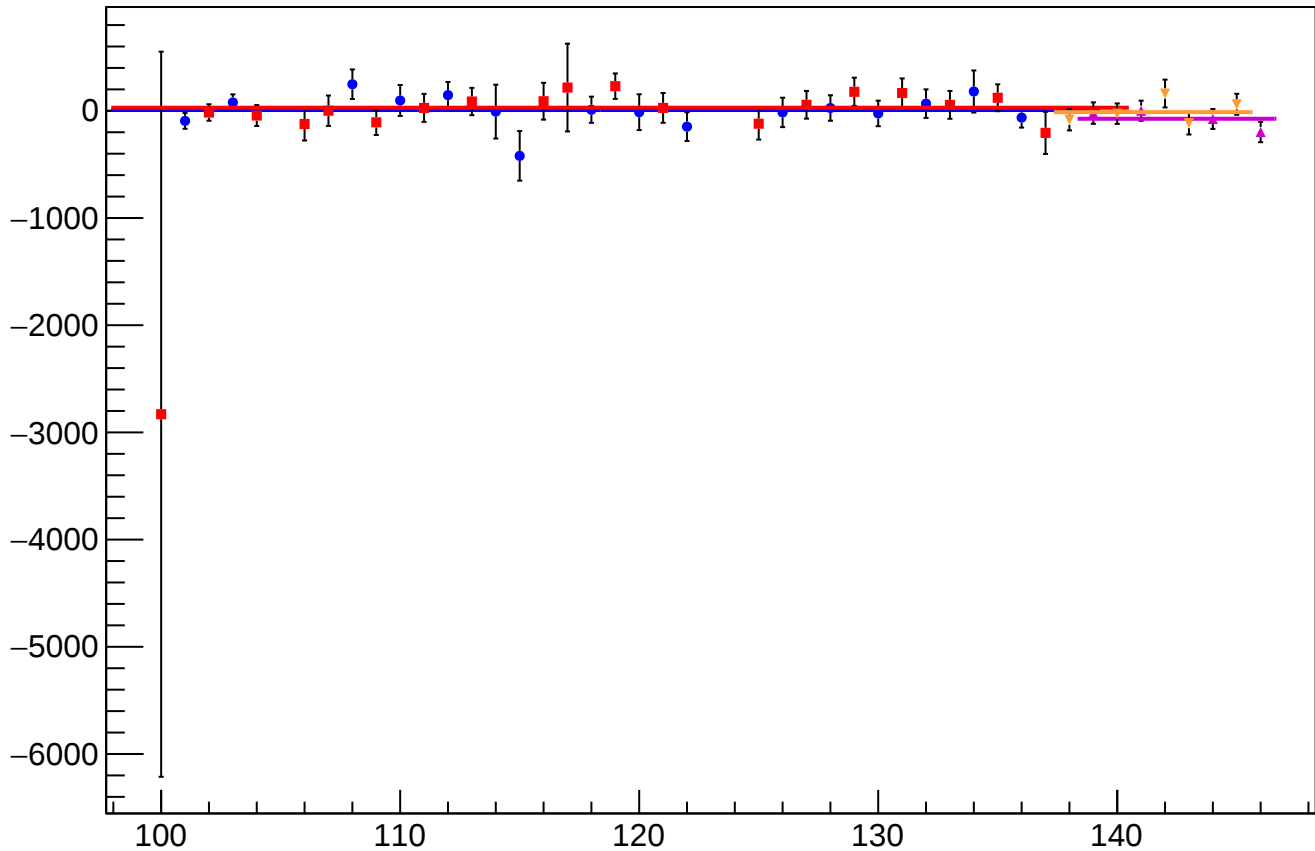
Right Out: 79.426+/-0.021 χ^2 /NDF: 385484.8/18

Left In: 85.888+/-0.034 χ^2 /NDF:96.4/3

78.843+/-0.018 χ^2 /NDF: 466142.4/20

81.292+/-0.018 χ^2 /NDF: 411719.7/22

reg_asym_ds_dd_mean vs Slug



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

Left Out: -12.139 ± 46.449 χ^2/NDF : 3.8/4

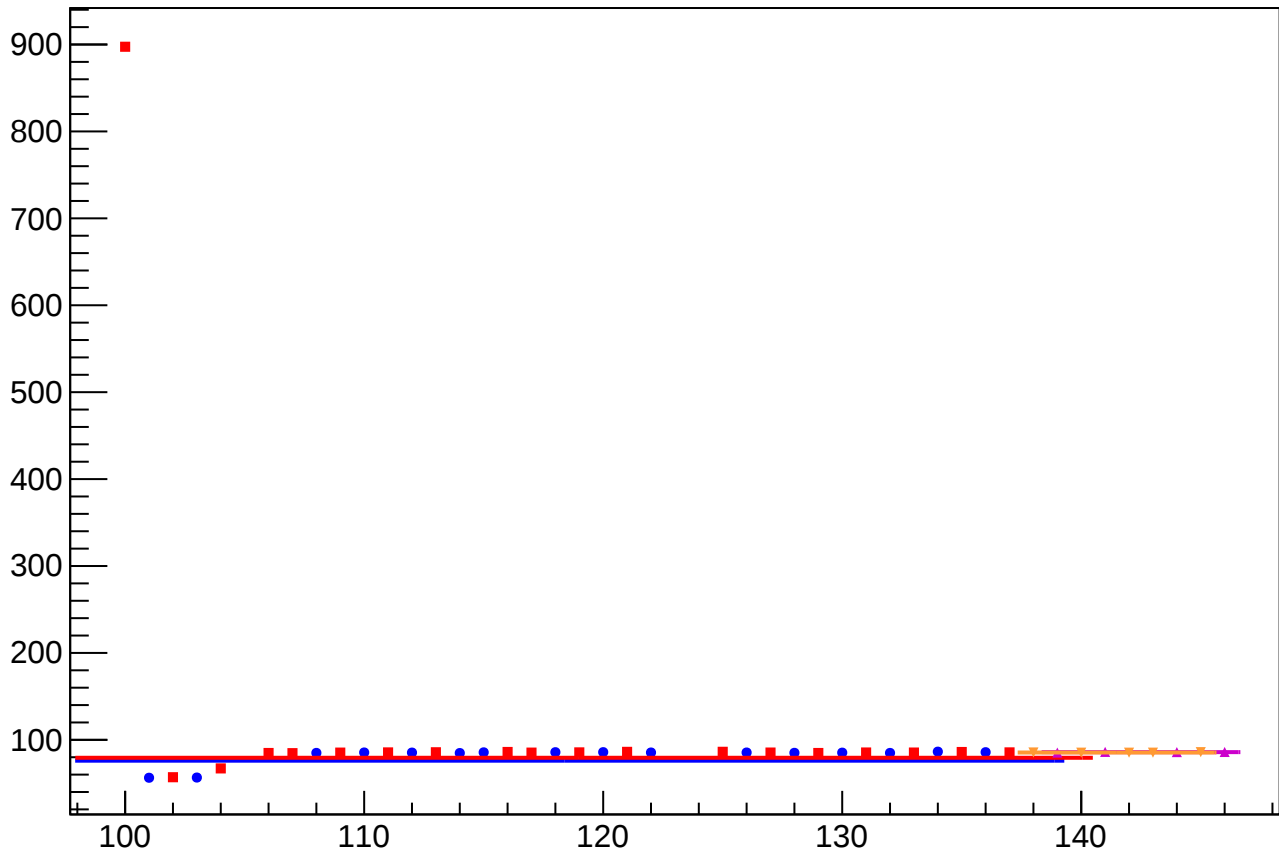
Right Out: 28.958 ± 30.344 χ^2/NDF : 12.7/18

Left In: -74.057 ± 47.664 χ^2/NDF : 2.6/3

1.700 ± 25.182 χ^2/NDF : 17.9/20

-0.752 ± 25.597 χ^2/NDF : 18.6/22

reg_asym_ds_dd_rms vs Slug



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

Left Out: 85.423 $\pm$ 0.033 χ^2 /NDF: 52.5/4

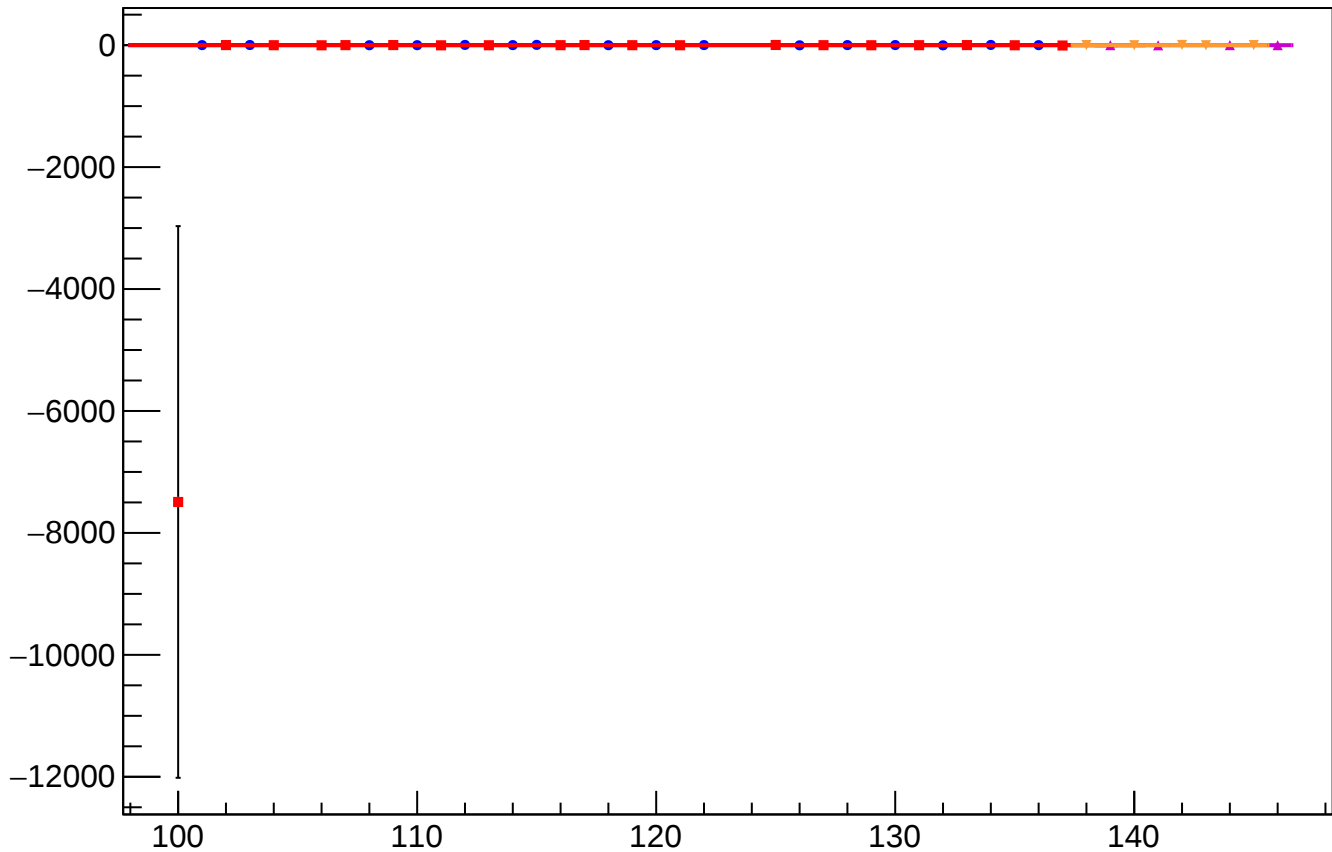
Right Out: 79.375 $\pm$ 0.021 χ^2 /NDF: 378794.5/18

Left In: 85.873 $\pm$ 0.034 χ^2 /NDF: 82.4/3

78.792 $\pm$ 0.018 χ^2 /NDF: 466693.8/20

81.249 $\pm$ 0.018 χ^2 /NDF: 405334.8/22

asym_ds_dd_correction_mean vs Slug



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

Left Out: 0.494 ± 0.845 χ^2/NDF : 3.4/4

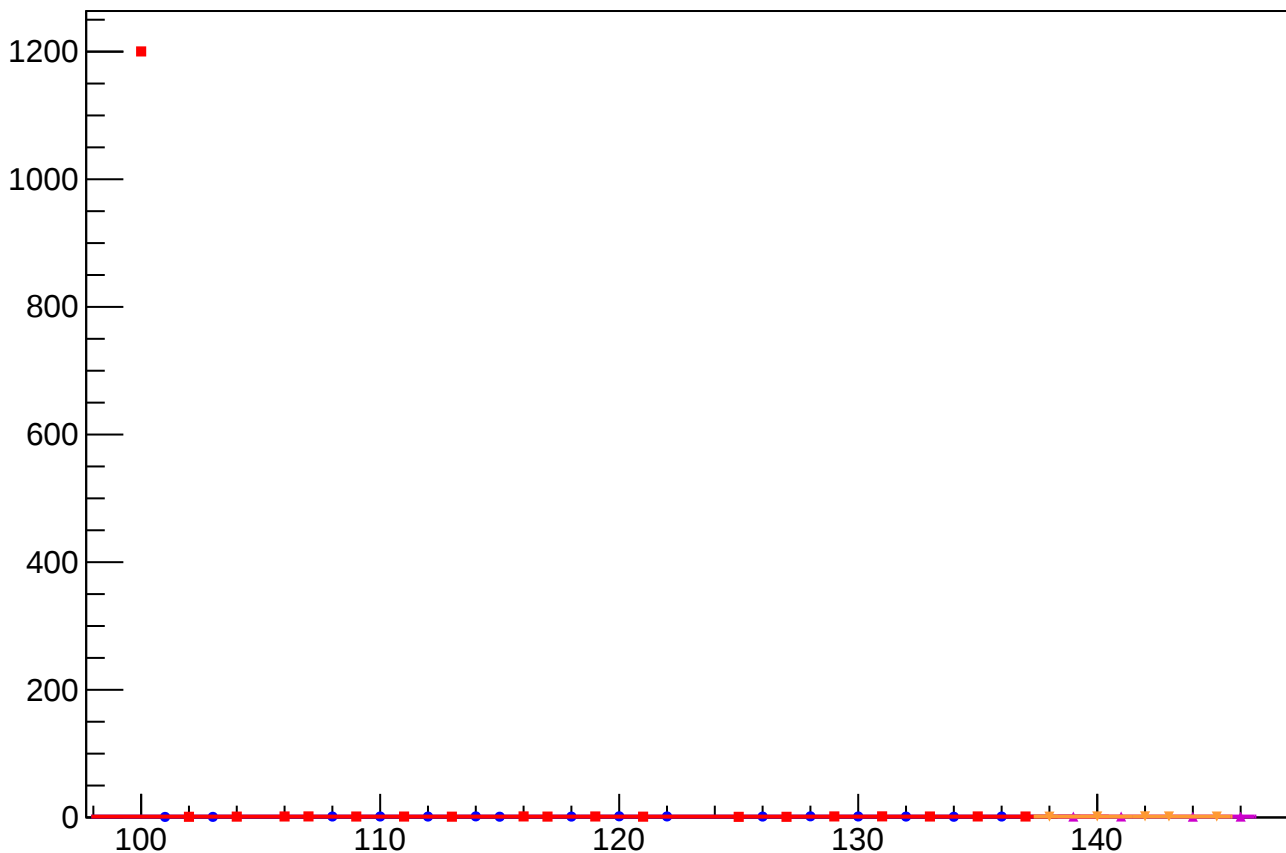
Right Out: -0.304 ± 0.547 χ^2/NDF : 12.6/18

Left In: -0.451 ± 0.833 χ^2/NDF : 1.6/3

0.792 ± 0.450 χ^2/NDF : 15.5/20

-0.348 ± 0.457 χ^2/NDF : 14.3/22

asym_ds_dd_correction_rms vs Slug



Right In: 1.238+/-0.000 χ^2/NDF : 657848.9/15

Left Out: 1.451+/-0.001 χ^2/NDF : 58377.0/4

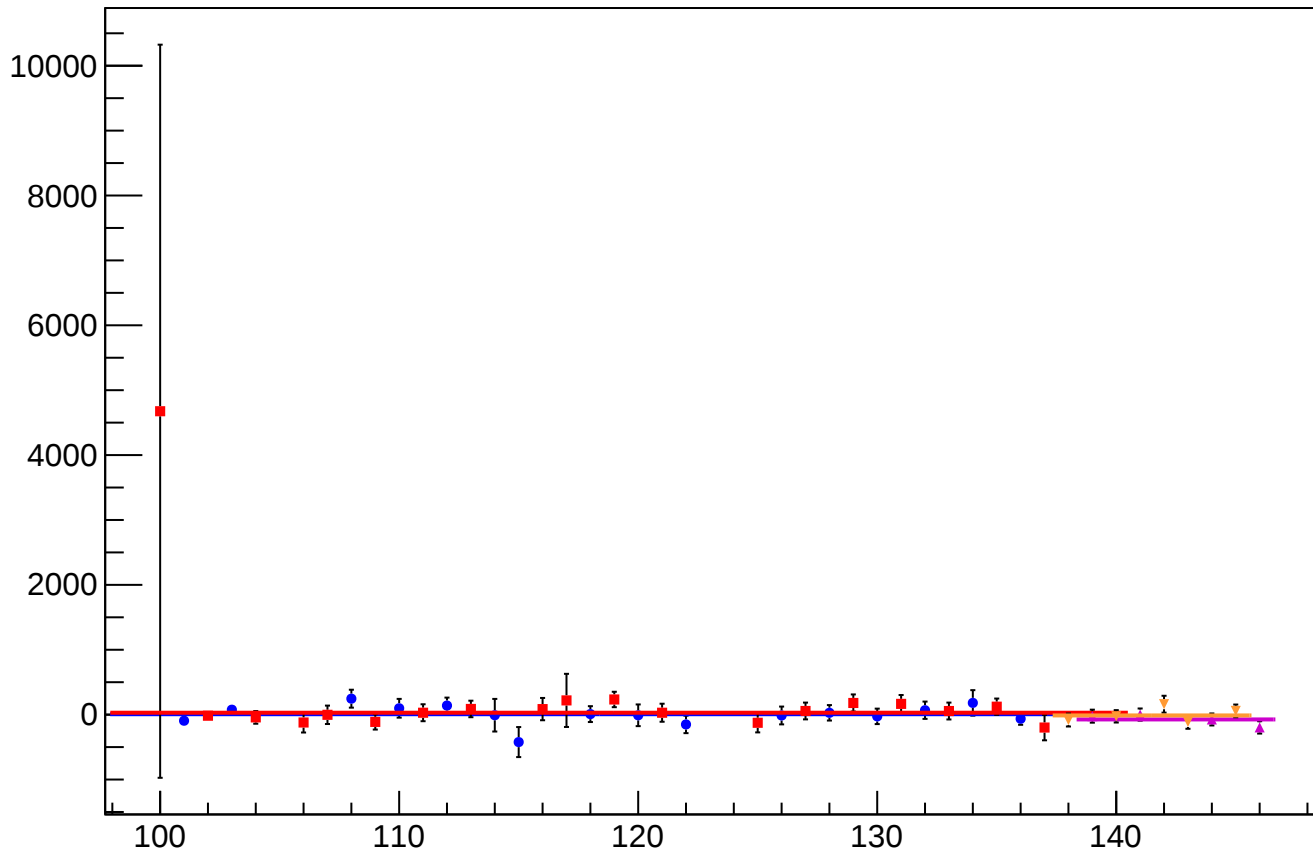
Right Out: 1.318+/-0.000 χ^2/NDF : 521623.7/18

Left In: 1.373+/-0.001 χ^2/NDF : 32193.4/3

1.298+/-0.000 χ^2/NDF : 807098.0/20

1.334+/-0.000 χ^2/NDF : 559886.1/22

asym_ds_dd_mean vs Slug



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

Left Out: -12.066+/-46.462 χ^2/NDF : 3.7/4

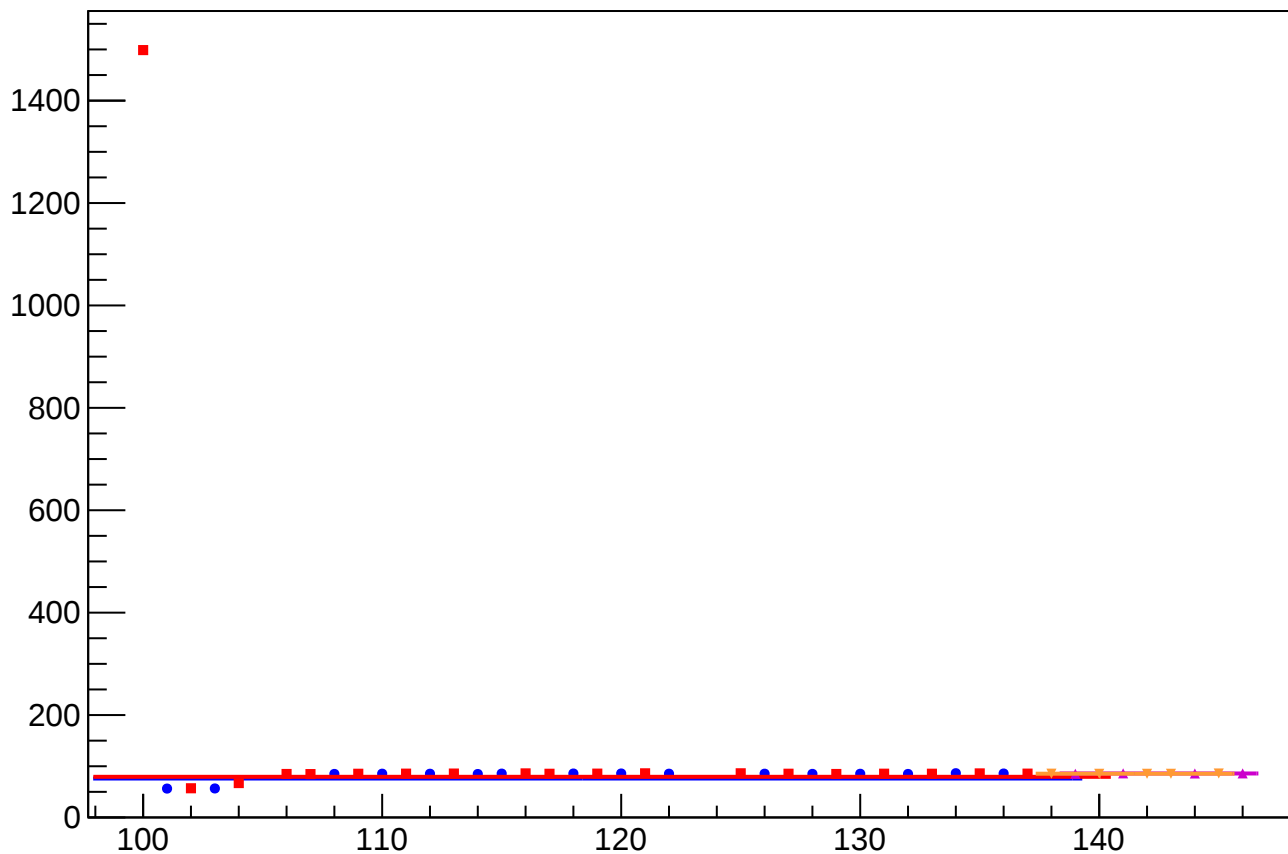
Right Out: 29.600+/-30.353 χ^2/NDF : 12.9/18

Left In: -73.773+/-47.677 χ^2/NDF : 2.5/3

1.241+/-25.189 χ^2/NDF : 17.7/20

-0.214+/-25.604 χ^2/NDF : 18.8/22

asym_ds_dd_rms vs Slug



Right In: 76.052+/-0.021 χ^2/NDF : 408962.1/15

Left Out: 85.446+/-0.033 χ^2/NDF : 51.5/4

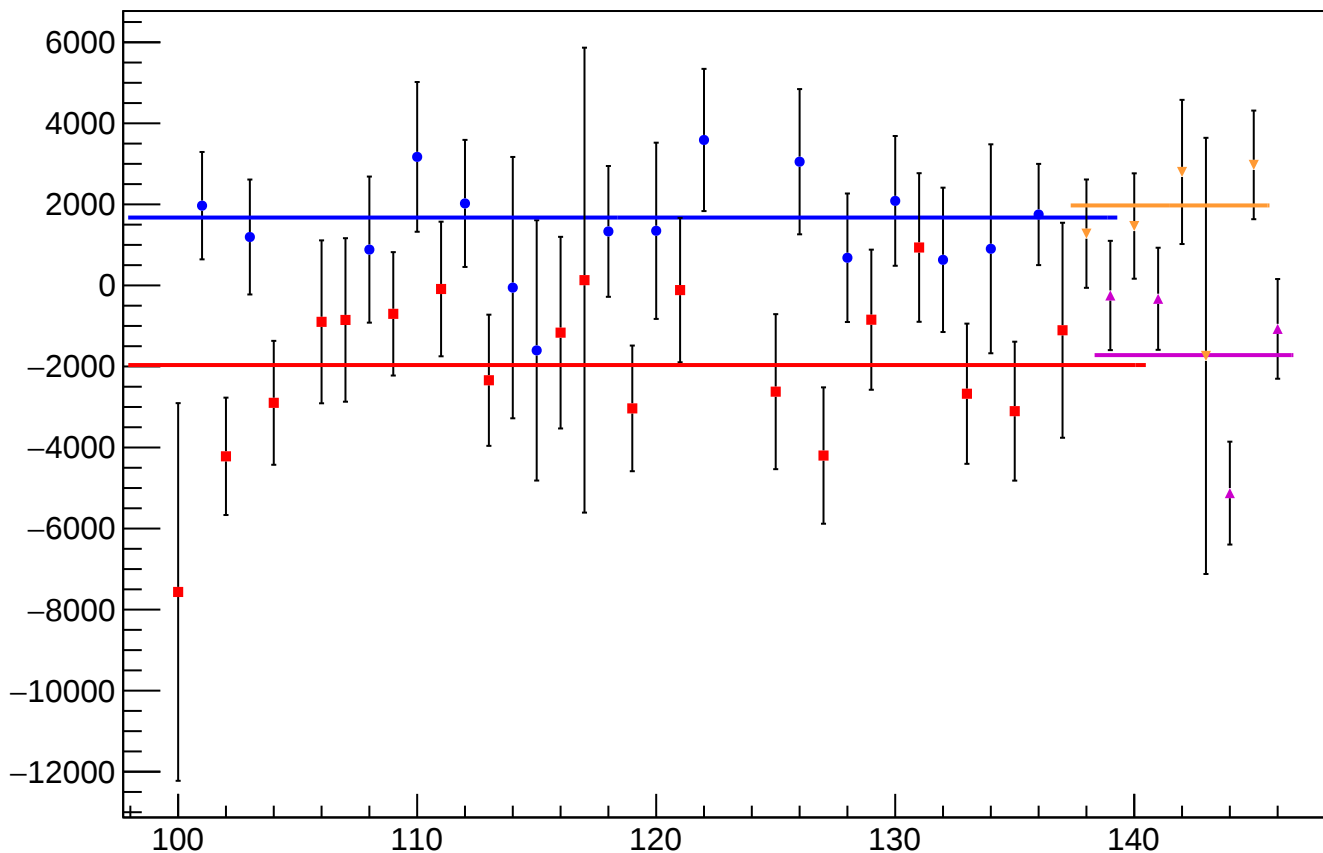
Right Out: 79.371+/-0.021 χ^2/NDF : 388057.0/18

Left In: 85.897+/-0.034 χ^2/NDF : 82.3/3

78.813+/-0.018 χ^2/NDF : 466736.2/20

81.253+/-0.018 χ^2/NDF : 414798.6/22

reg_asym_usl_mean vs Slug



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

Left Out: 1973.725 $\pm$ 697.035 χ^2 /NDF: 1.7/4

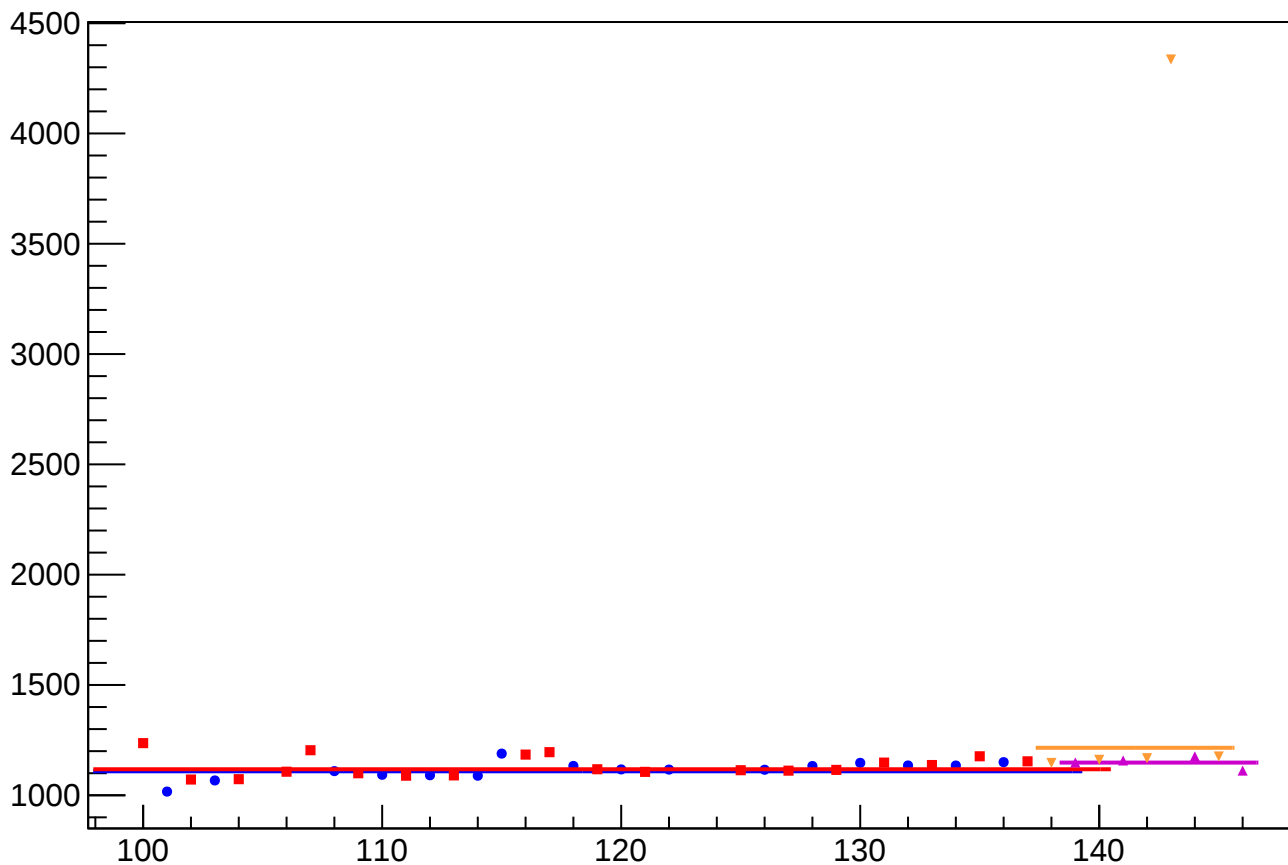
Right Out: -1964.936 $\pm$ 421.265 χ^2 /NDF: 14.2/18

Left In: -1719.791 $\pm$ 637.414 χ^2 /NDF: 9.9/3

1757.507 $\pm$ 366.333 χ^2 /NDF: 6.9/20

-1890.412 $\pm$ 351.447 χ^2 /NDF: 24.1/22

reg_asym_usl_rms vs Slug



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

Left Out: 1215.305+/-0.493 χ^2/NDF : 684082.1/4

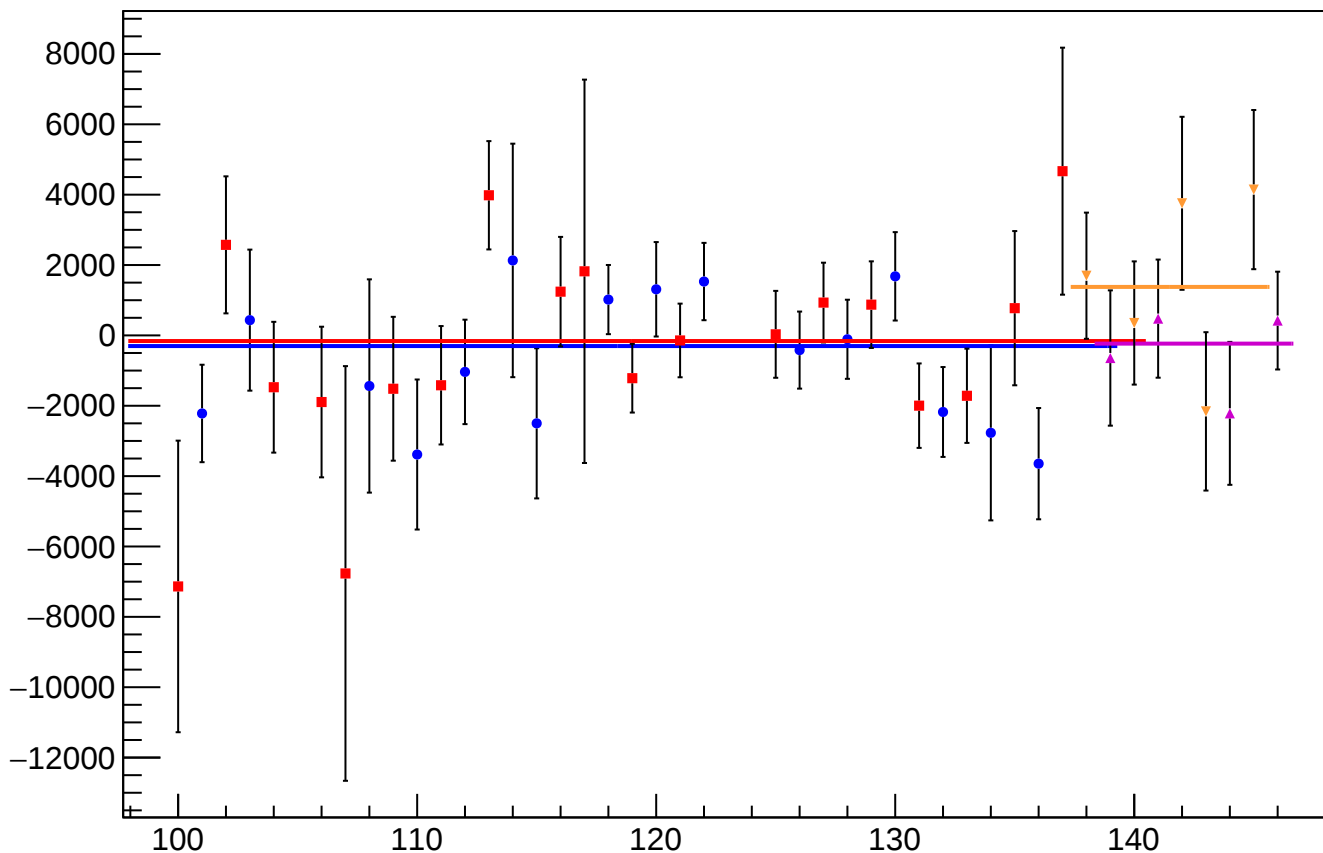
Right Out: 1117.959+/-0.298 χ^2/NDF : 15881.8/18

Left In: 1148.157+/-0.451 χ^2/NDF : 2831.9/3

1138.174+/-0.259 χ^2/NDF : 735997.6/20

1127.139+/-0.249 χ^2/NDF : 21838.1/22

asym_usl_correction_mean vs Slug



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

Left Out: 1377.871+/-914.703 χ^2/NDF : 5.3/4

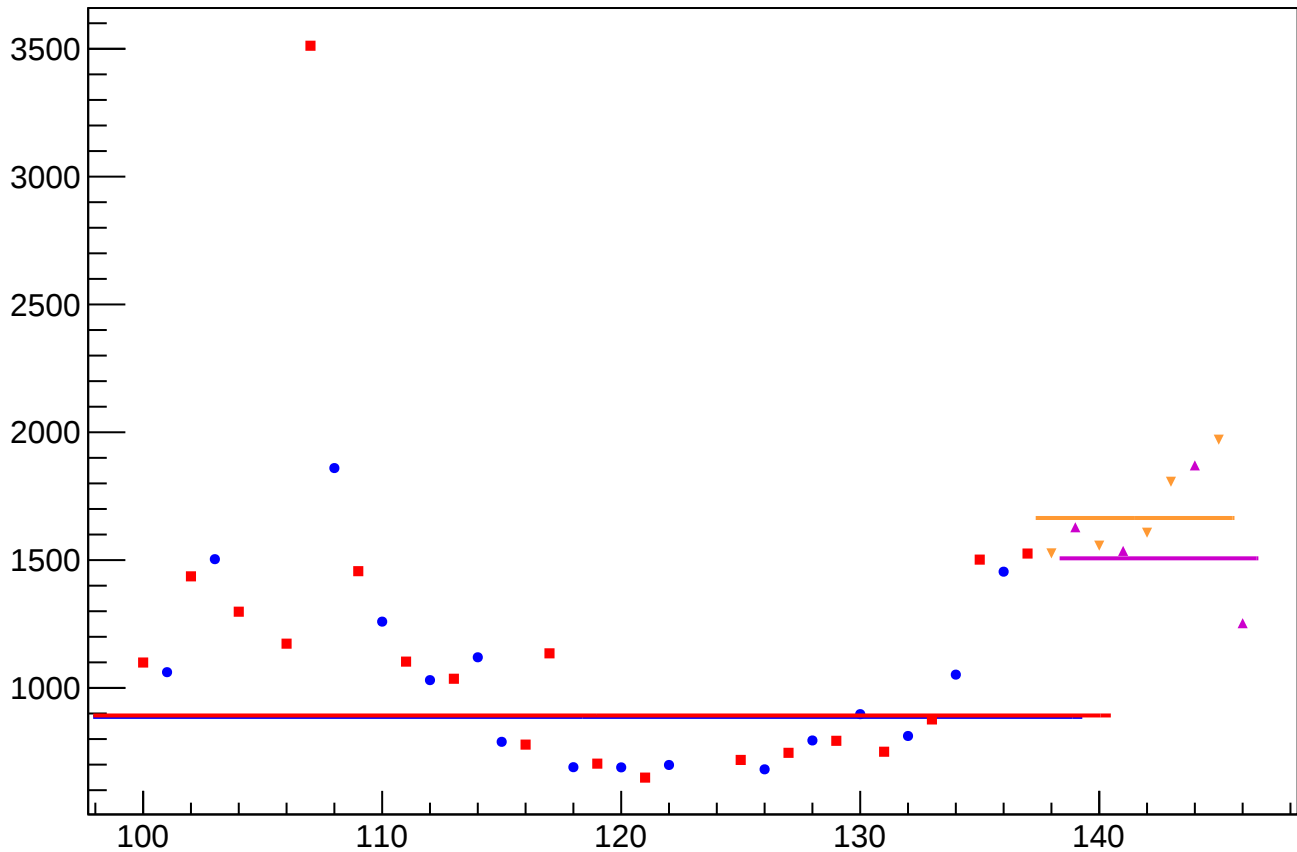
Right Out: -160.376+/-355.478 χ^2/NDF : 25.0/18

Left In: -233.982+/-849.627 χ^2/NDF : 1.4/3

-77.774+/-335.044 χ^2/NDF : 30.5/20

-171.341+/-327.932 χ^2/NDF : 26.4/22

asym_usl_correction_rms vs Slug



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

Left Out: 1664.743+/-0.647 χ^2/NDF : 65238.5/4

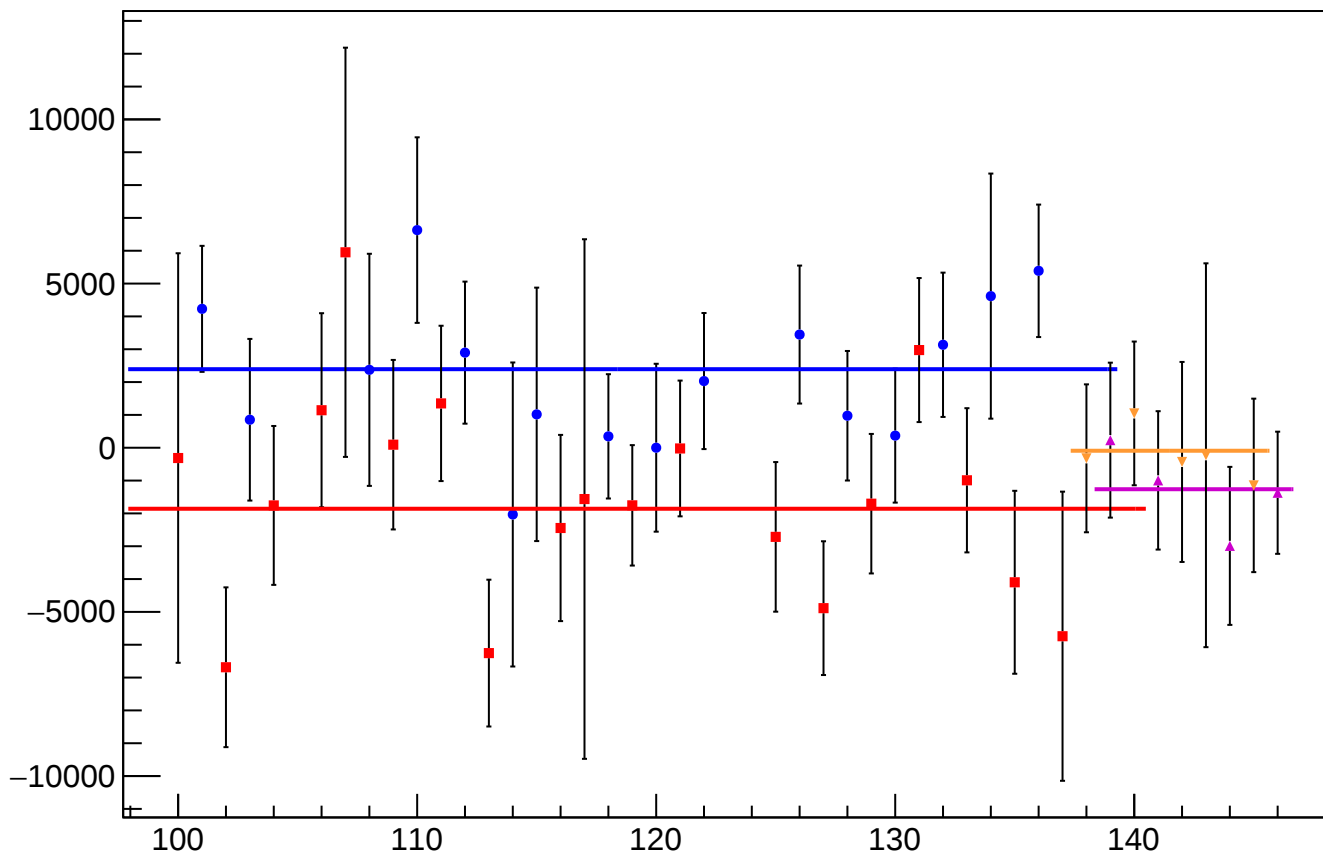
991.079+/-0.237 χ^2/NDF : 2379017.2/20

Right Out: 892.236+/-0.251 χ^2/NDF : 1418185.6/18

983.809+/-0.232 χ^2/NDF : 2448423.7/22

Left In: 1506.926+/-0.601 χ^2/NDF : 139338.1/3

asym_usl_mean vs Slug



Right In: 2392.385 ± 588.991 χ^2/NDF : 11.2/15

Left Out: -91.687 ± 1207.234 χ^2/NDF : 0.5/4

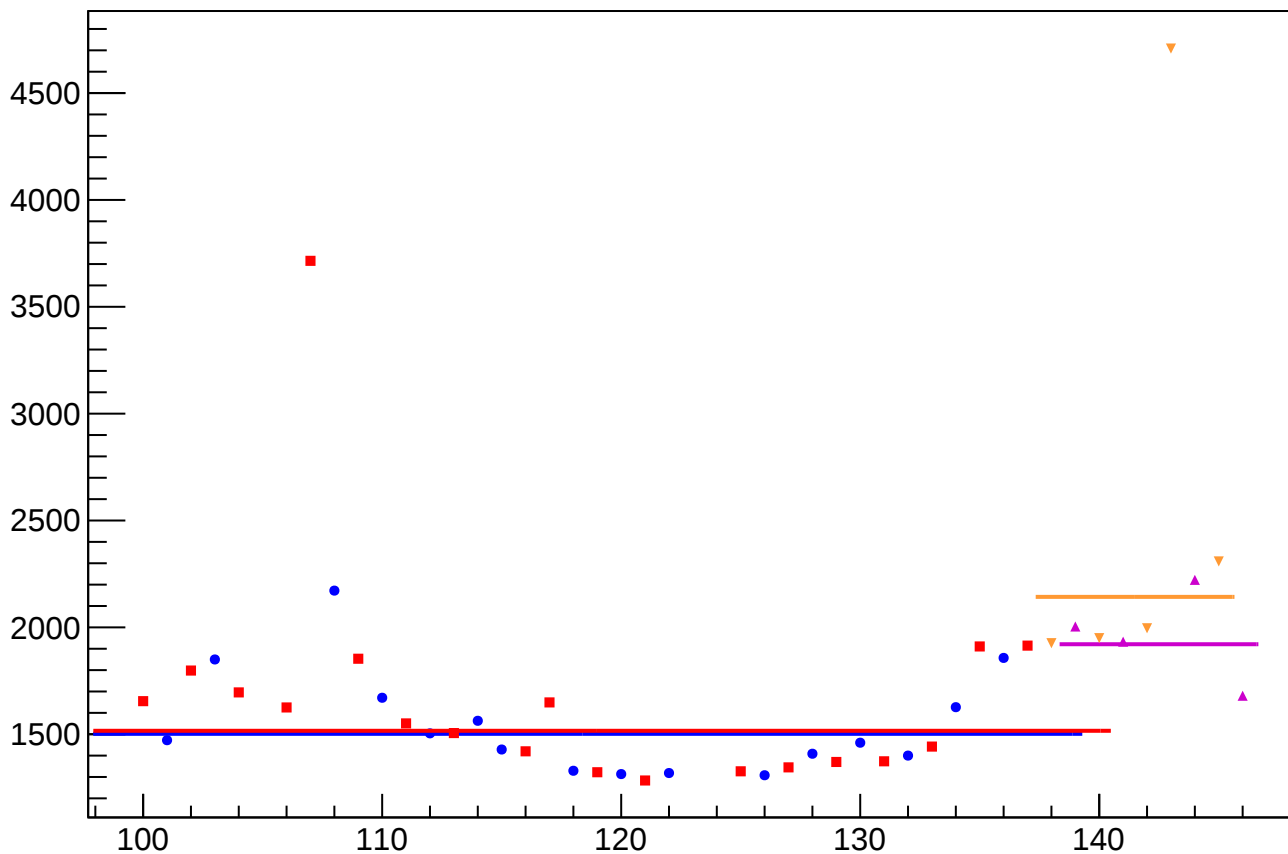
Right Out: -1858.263 ± 581.542 χ^2/NDF : 22.5/18

Left In: -1263.538 ± 1074.345 χ^2/NDF : 0.9/3

1914.782 ± 529.350 χ^2/NDF : 15.0/20

-1723.494 ± 511.424 χ^2/NDF : 23.7/22

asym_usl_rms vs Slug



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

Left Out: 2142.742+/-0.854 χ^2/NDF : 431905.9/4

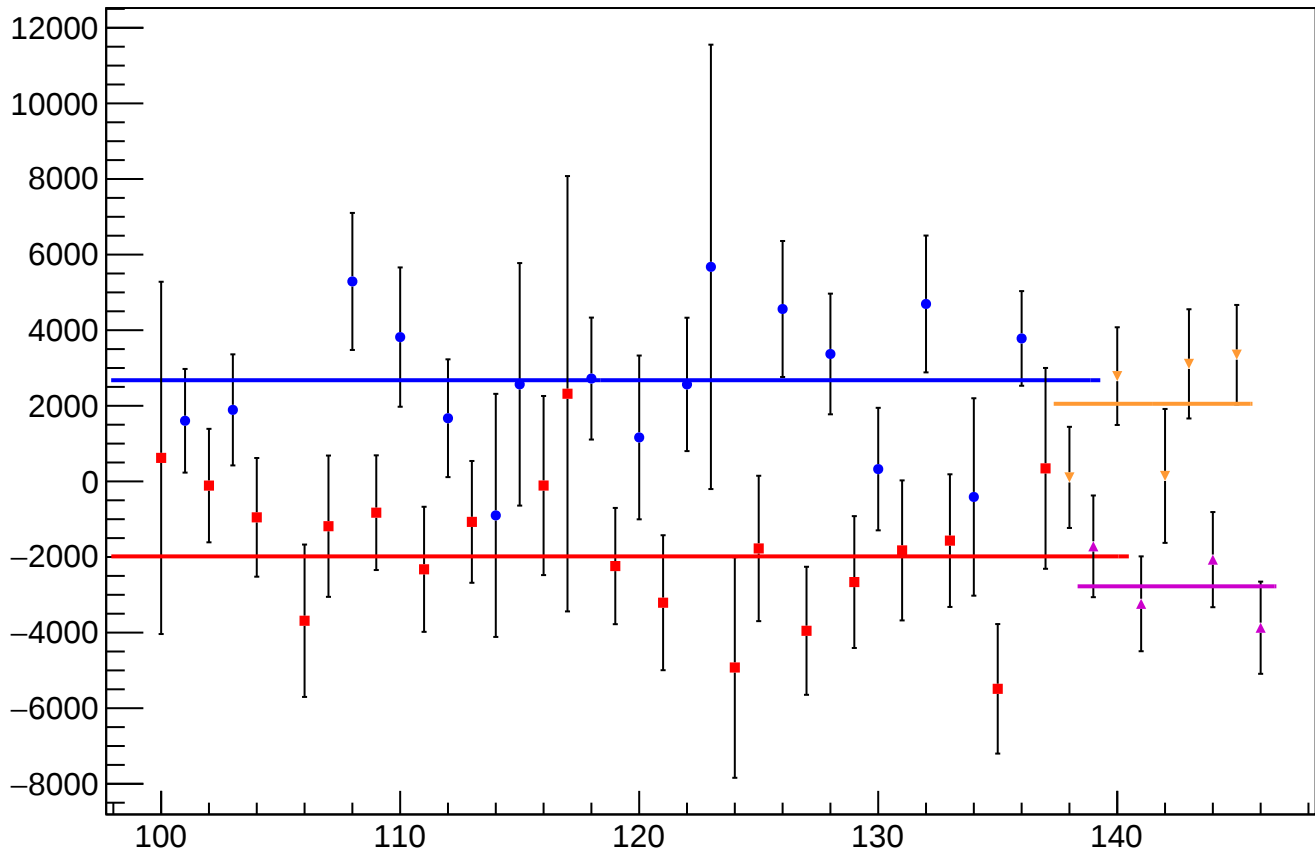
Right Out: 1516.127+/-0.411 χ^2/NDF : 480325.9/18

Left In: 1921.140+/-0.760 χ^2/NDF : 67434.8/3

1625.142+/-0.374 χ^2/NDF : 1141620.0/20

1607.906+/-0.362 χ^2/NDF : 767587.6/22

reg_asym_usr_mean vs Slug



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

Left Out: 2053.214+/-628.218 χ^2/NDF : 5.1/4

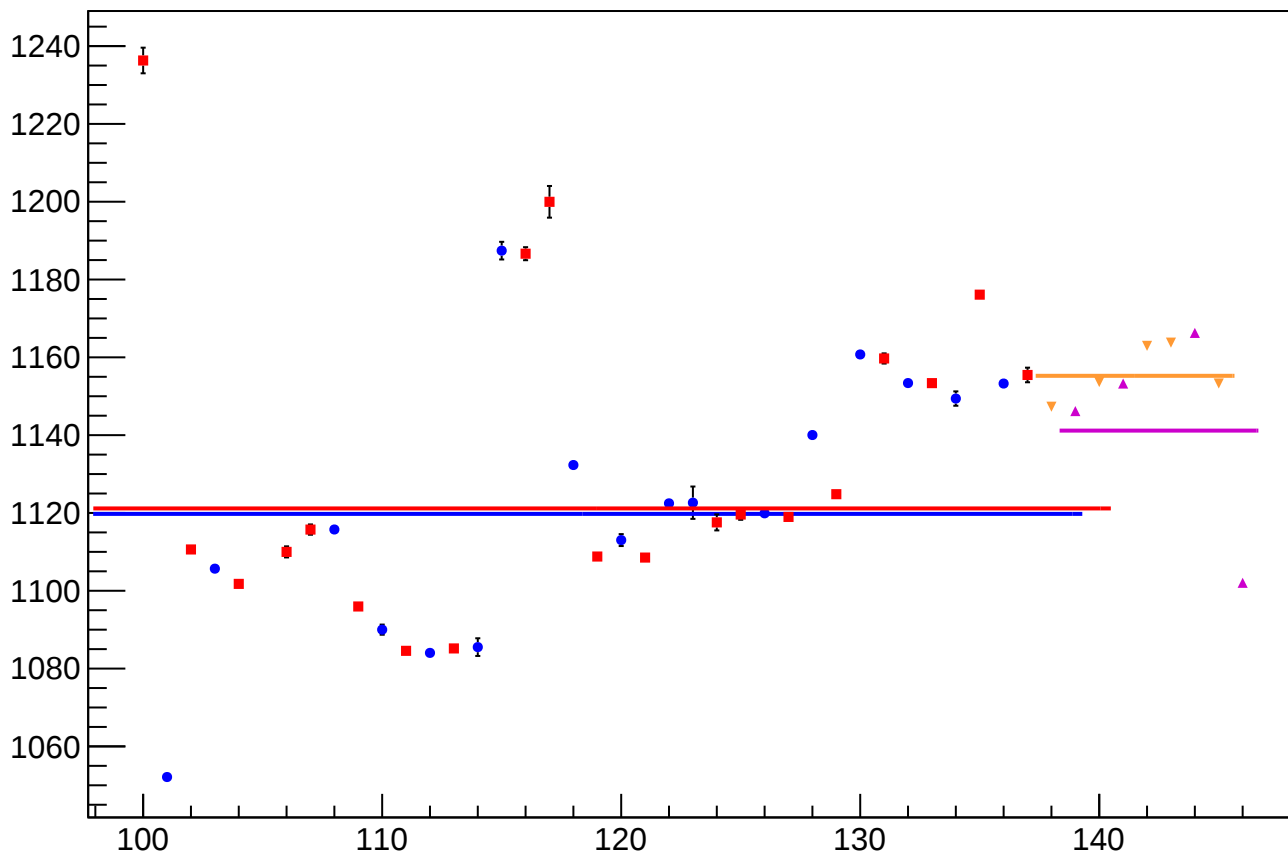
Right Out: -1983.779+/-418.059 χ^2/NDF : 13.4/19

Left In: -2775.665+/-633.546 χ^2/NDF : 1.9/3

2475.520+/-356.843 χ^2/NDF : 18.4/21

-2223.993+/-348.936 χ^2/NDF : 16.3/23

reg_asym_usr_rms vs Slug



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

Left Out: 1155.253 $\pm$ 0.444 χ^2 /NDF:185.6/4

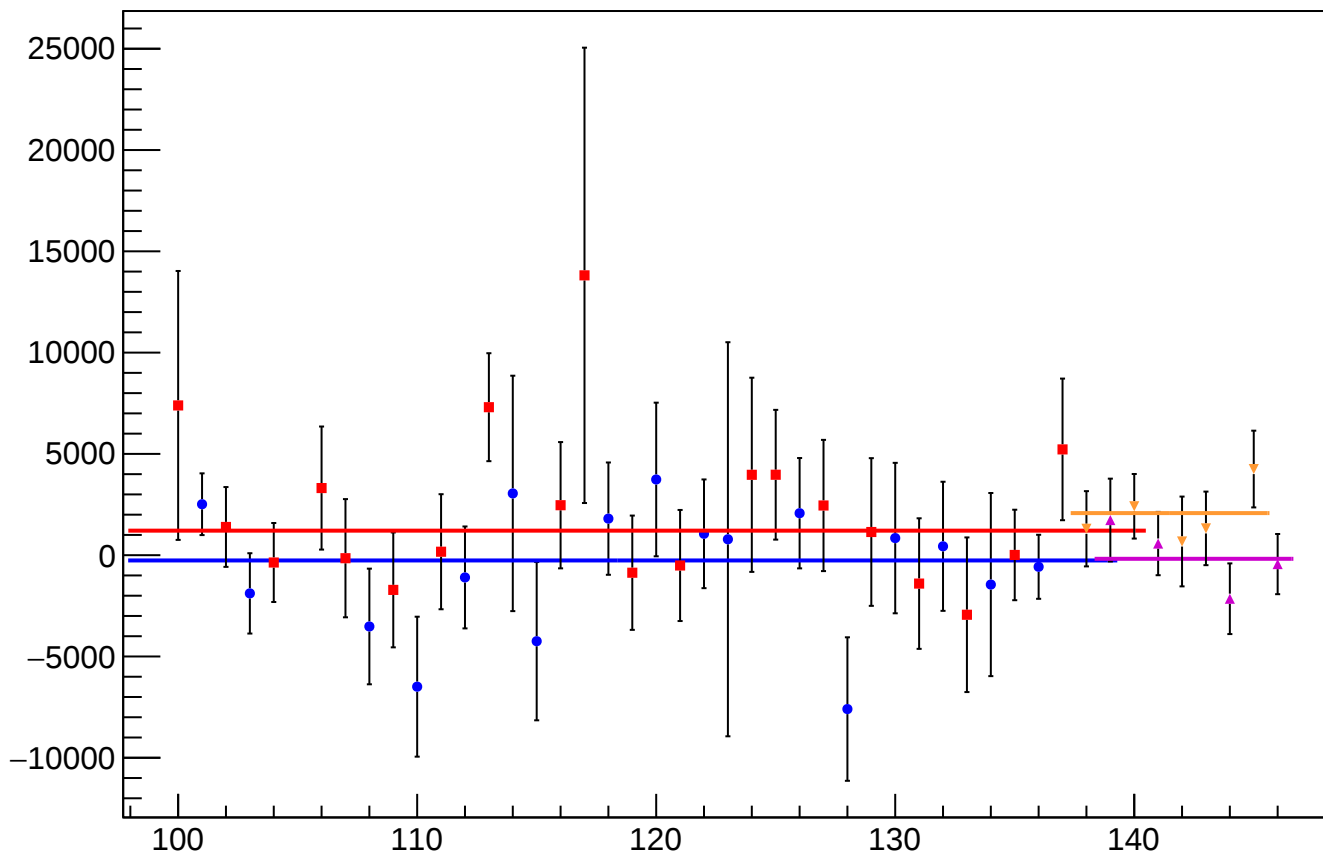
Right Out: 1121.164 $\pm$ 0.296 χ^2 /NDF: 10310.8/19

Left In: 1141.169 $\pm$ 0.448 χ^2 /NDF:3068.3/3

1131.213 $\pm$ 0.252 χ^2 /NDF: 16386.1/21

1127.232 $\pm$ 0.247 χ^2 /NDF: 14768.3/23

asym_usr_correction_mean vs Slug



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

Left Out: 2077.861+/-825.034 χ^2/NDF : 2.1/4

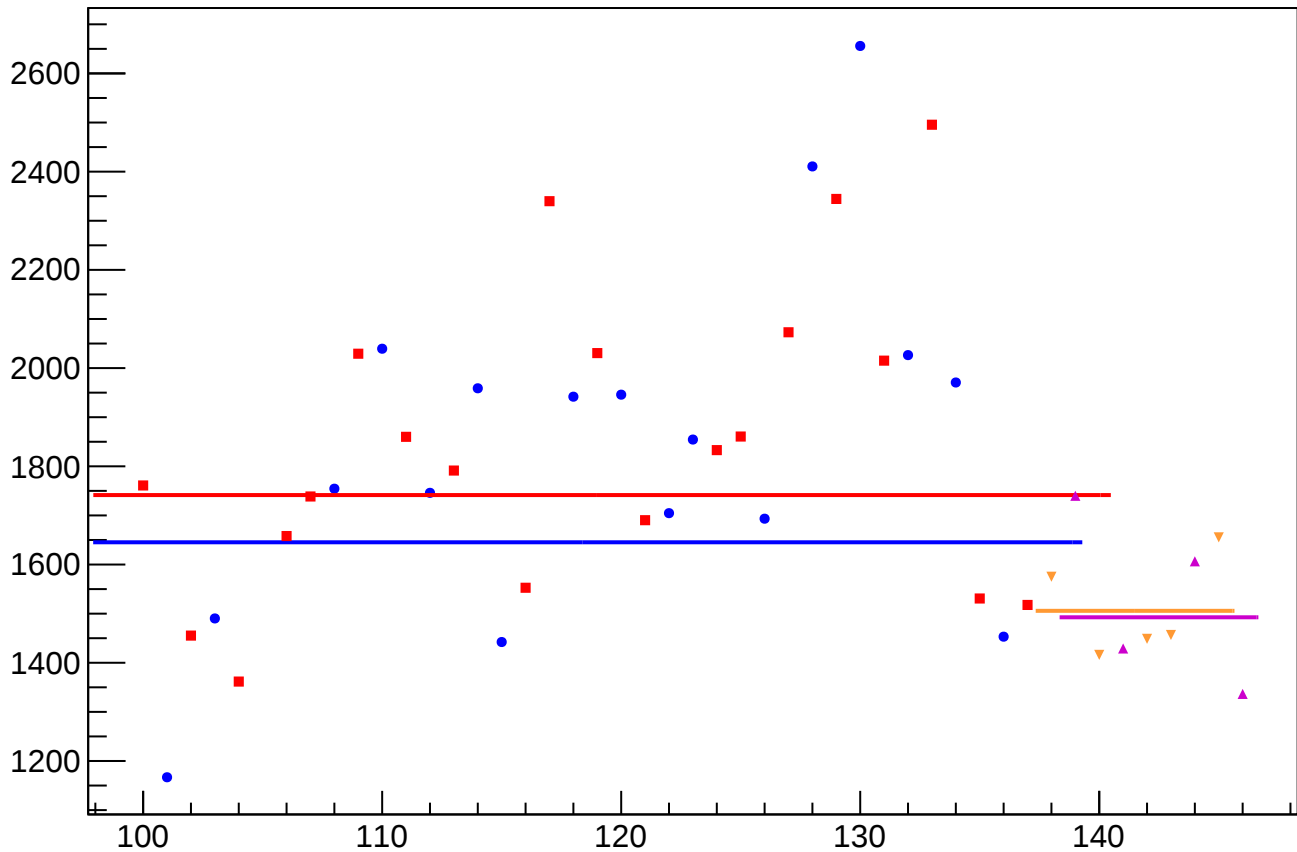
Right Out: 1211.378+/-661.281 χ^2/NDF : 15.7/19

Left In: -178.428+/-836.088 χ^2/NDF : 2.4/3

644.420+/-513.123 χ^2/NDF : 24.2/21

676.543+/-518.662 χ^2/NDF : 19.8/23

asym_usr_correction_rms vs Slug



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

Left Out: 1505.763+/-0.583 χ^2/NDF : 24392.9/4

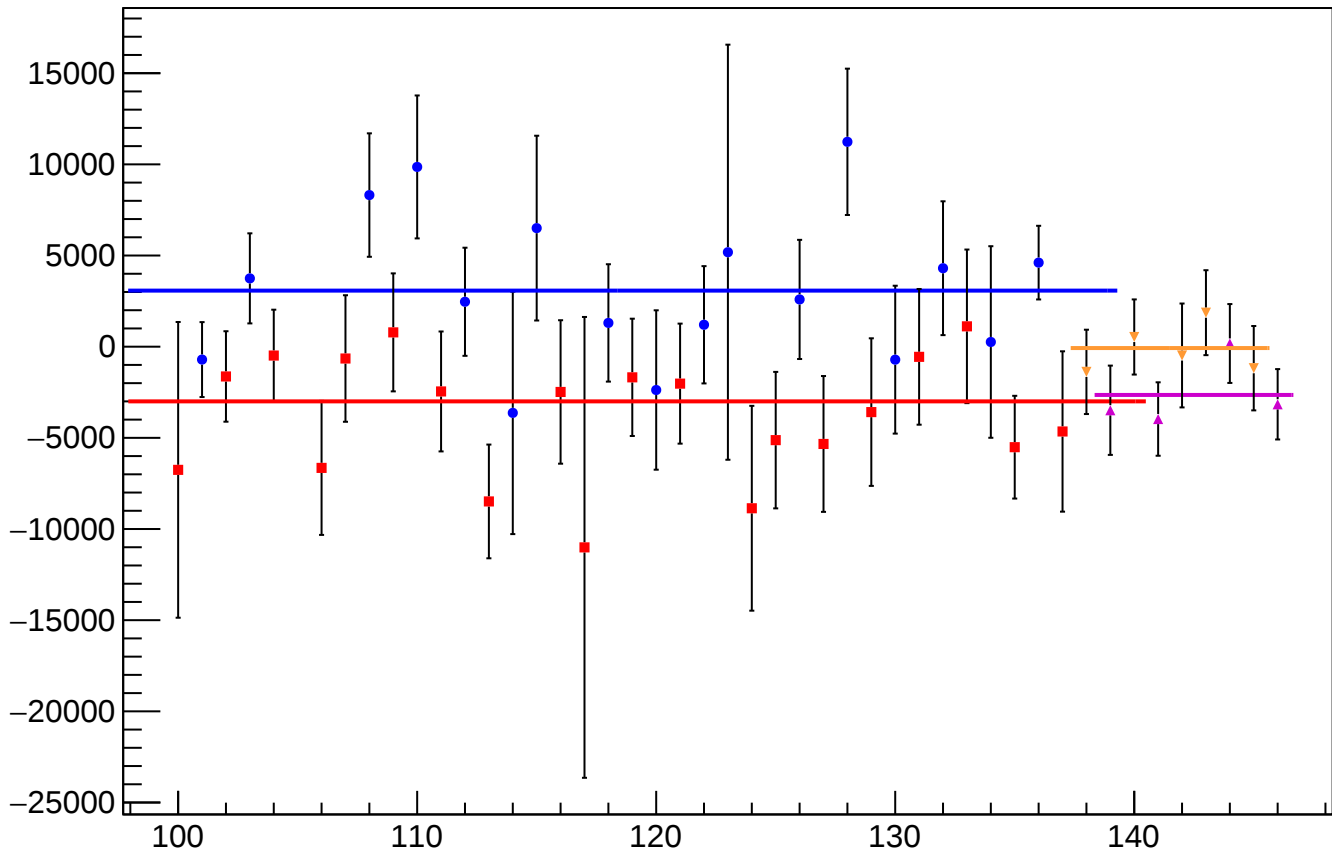
1591.330+/-0.363 χ^2/NDF : 660391.5/21

Right Out: 1741.460+/-0.468 χ^2/NDF : 376702.2/19

1645.687+/-0.367 χ^2/NDF : 548917.4/23

Left In: 1492.585+/-0.591 χ^2/NDF : 63199.8/3

asym_usr_mean vs Slug



Right In: 3075.401+/-802.249 χ^2/NDF : 18.6/16

Left Out: -75.227+/-1044.419 χ^2/NDF : 1.3/4

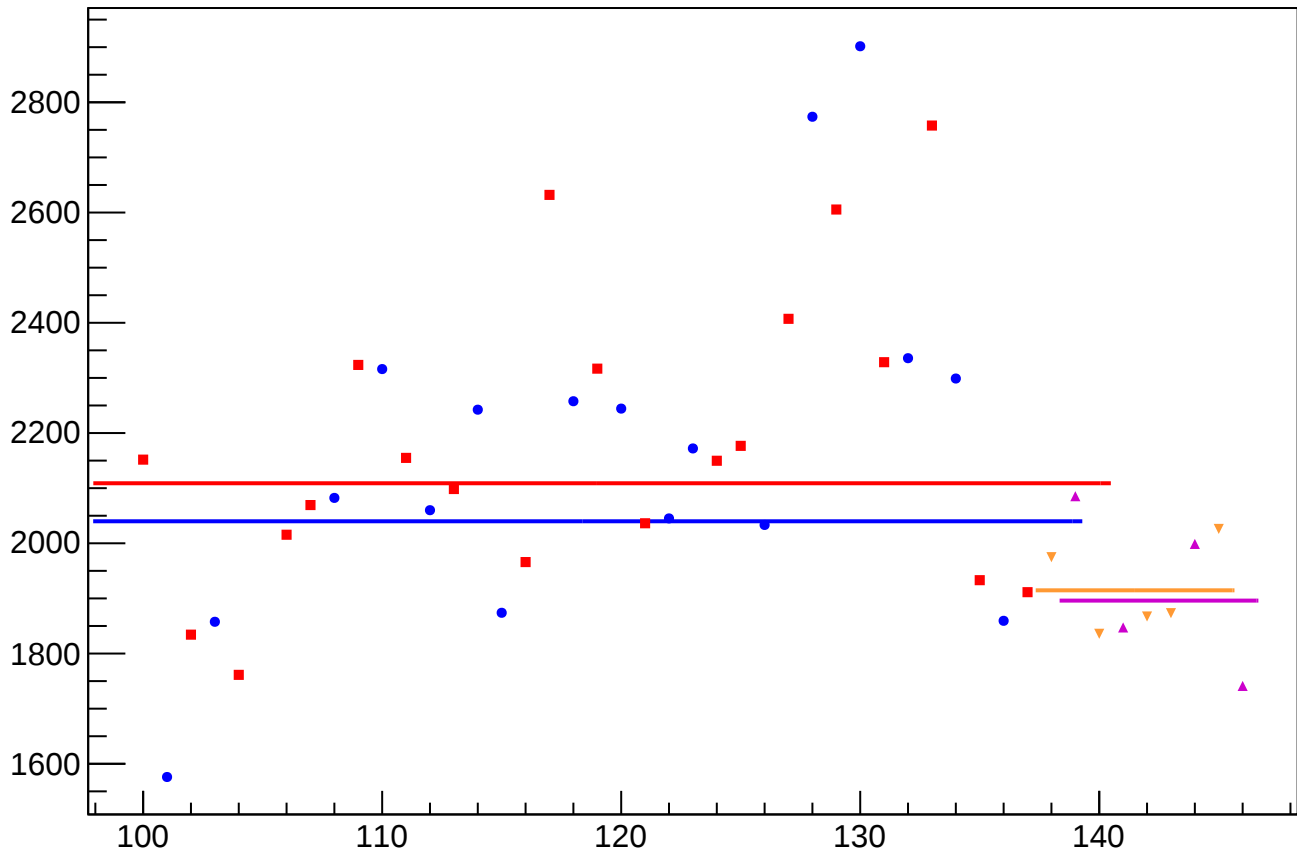
Right Out: -2999.277+/-794.066 χ^2/NDF : 12.3/19

Left In: -2646.991+/-1056.664 χ^2/NDF : 2.3/3

1906.271+/-636.220 χ^2/NDF : 25.7/21

-2872.133+/-634.801 χ^2/NDF : 14.7/23

asym_usr_rms vs Slug



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

Left Out: 1914.684 ± 0.739 χ^2/NDF : 10102.7/4

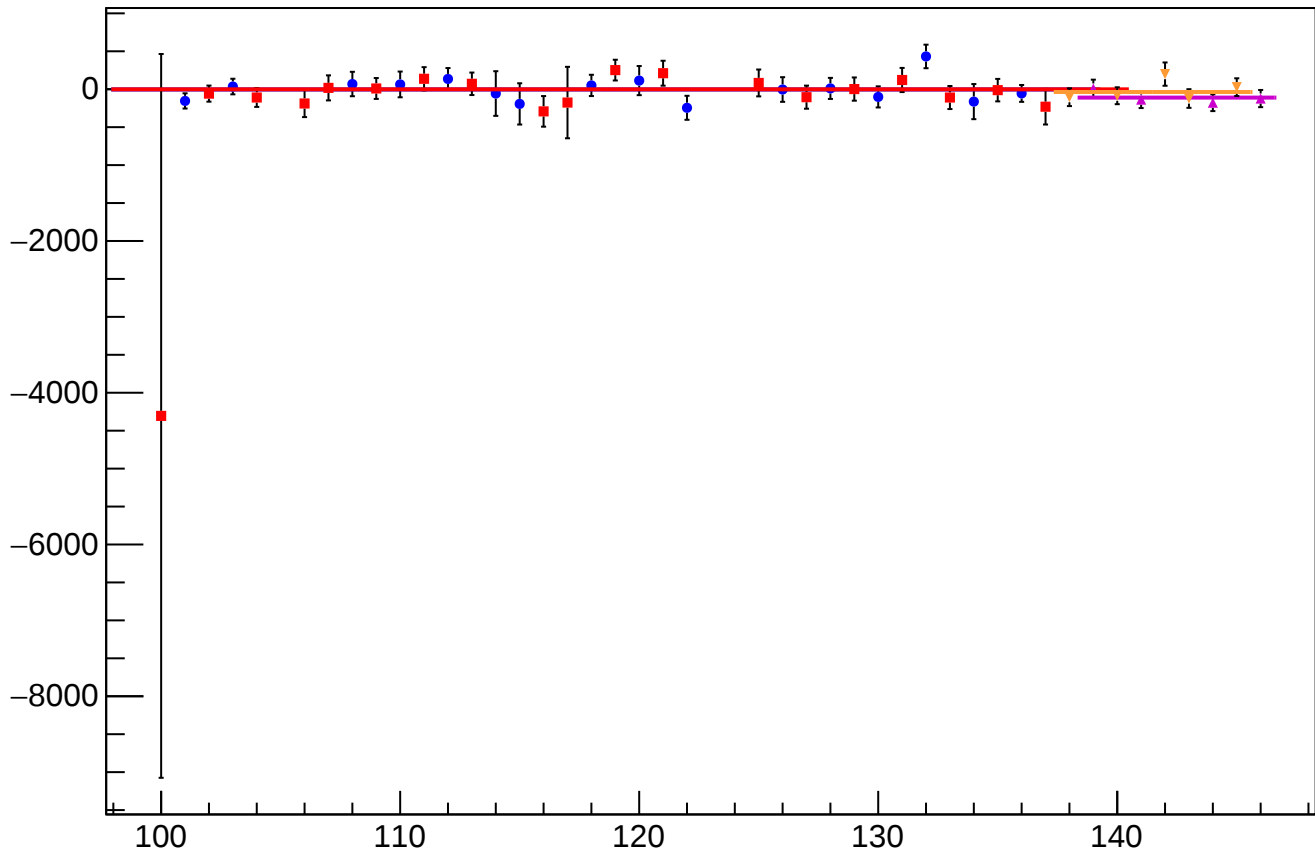
Right Out: 2108.906 ± 0.561 χ^2/NDF : 198889.3/19

Left In: 1896.039 ± 0.747 χ^2/NDF : 30518.7/3

1993.462 ± 0.450 χ^2/NDF : 360178.6/21

2032.080 ± 0.449 χ^2/NDF : 281279.8/23

reg_asym_dsl_mean vs Slug



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

Left Out: -36.463+/-54.556 χ^2/NDF : 3.7/4

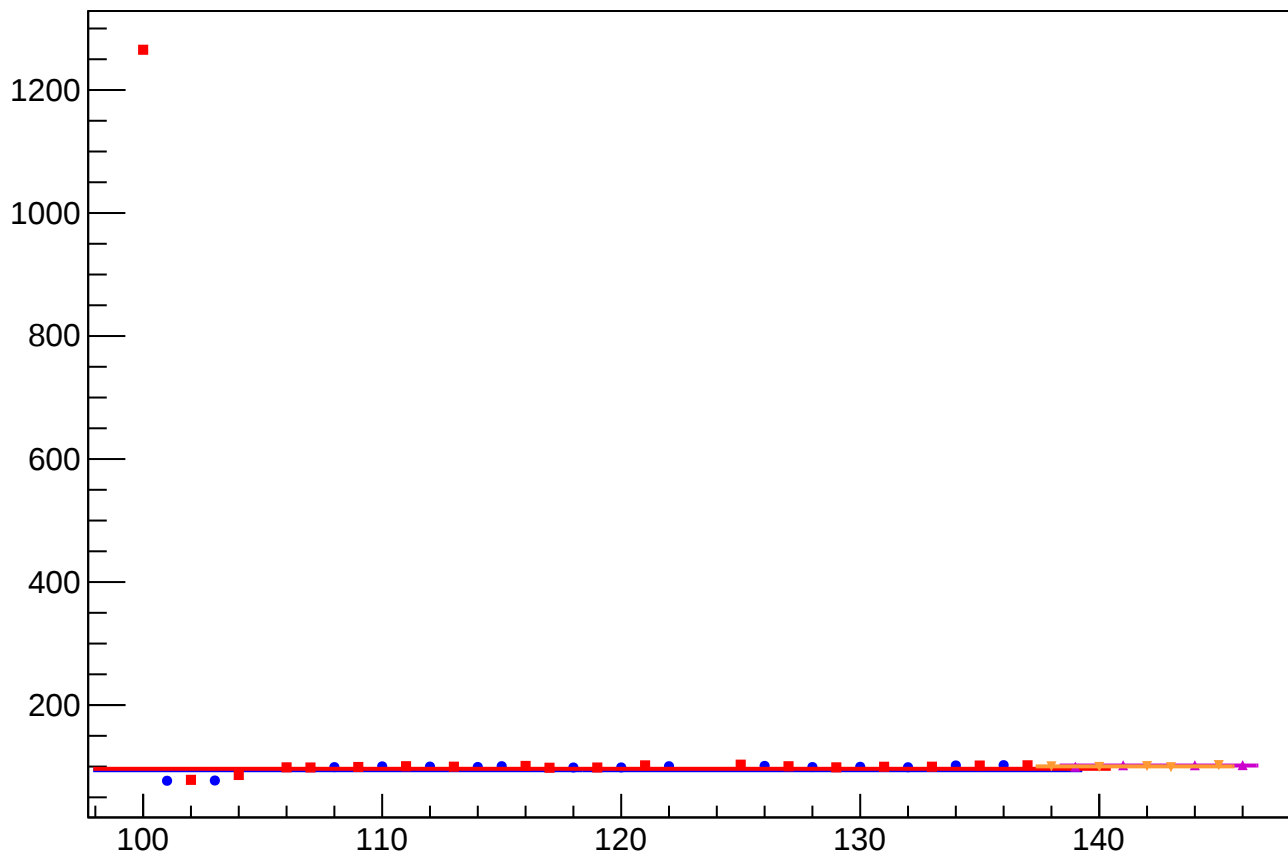
Right Out: -1.545+/-36.588 χ^2/NDF : 14.1/18

Left In: -110.386+/-56.455 χ^2/NDF : 1.5/3

-13.625+/-30.459 χ^2/NDF : 20.1/20

-33.738+/-30.703 χ^2/NDF : 18.2/22

reg_asym_dsl_rms vs Slug



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

Left Out: 100.324+/-0.039 χ^2/NDF : 1005.4/4

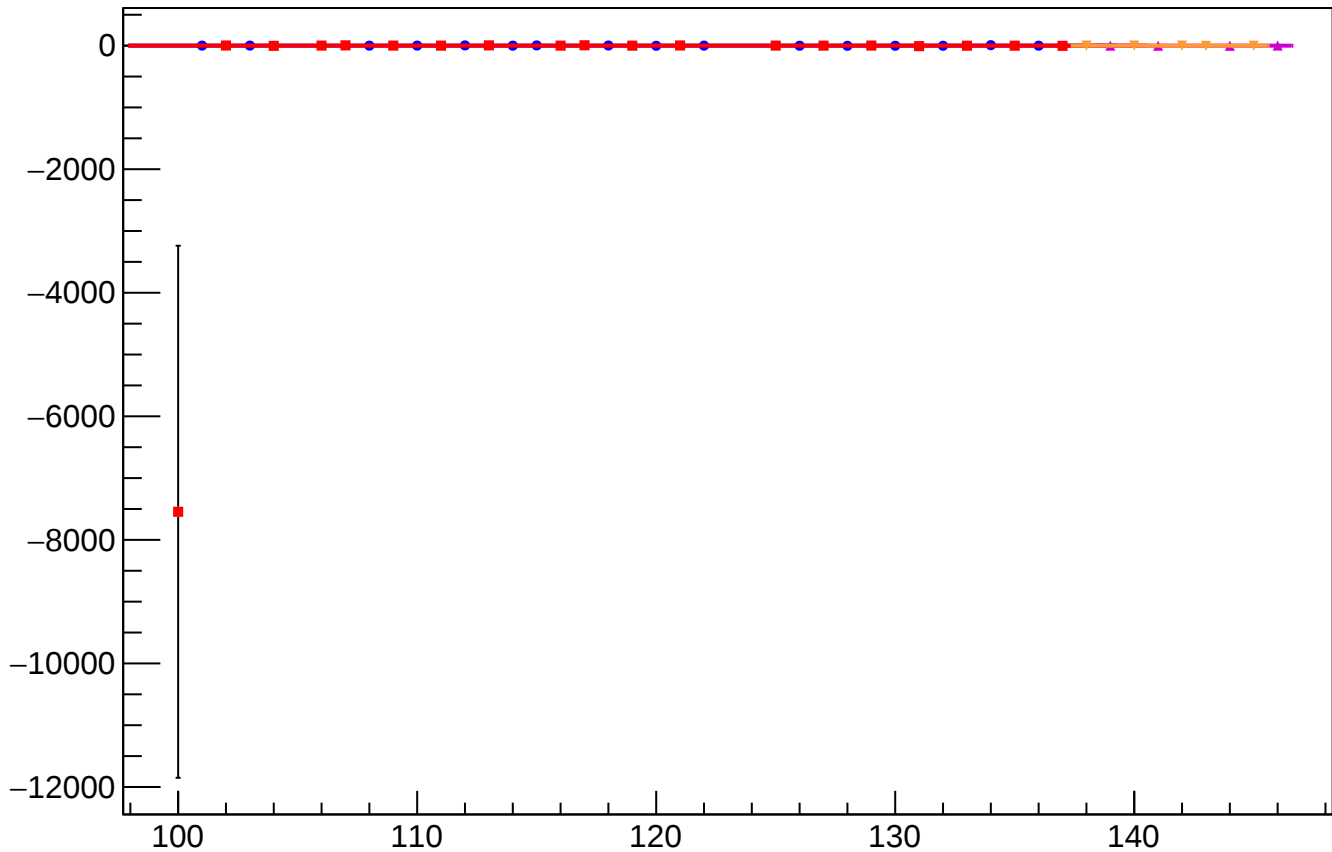
Right Out: 96.383+/-0.026 χ^2/NDF : 209255.3/18

Left In: 101.707+/-0.040 χ^2/NDF : 672.5/3

96.018+/-0.022 χ^2/NDF : 171388.4/20

97.957+/-0.022 χ^2/NDF : 222455.2/22

asym_dsl_correction_mean vs Slug



Right In: 0.426+/-0.616 χ^2/NDF : 9.7/15

Left Out: -0.205+/-0.935 χ^2/NDF : 4.3/4

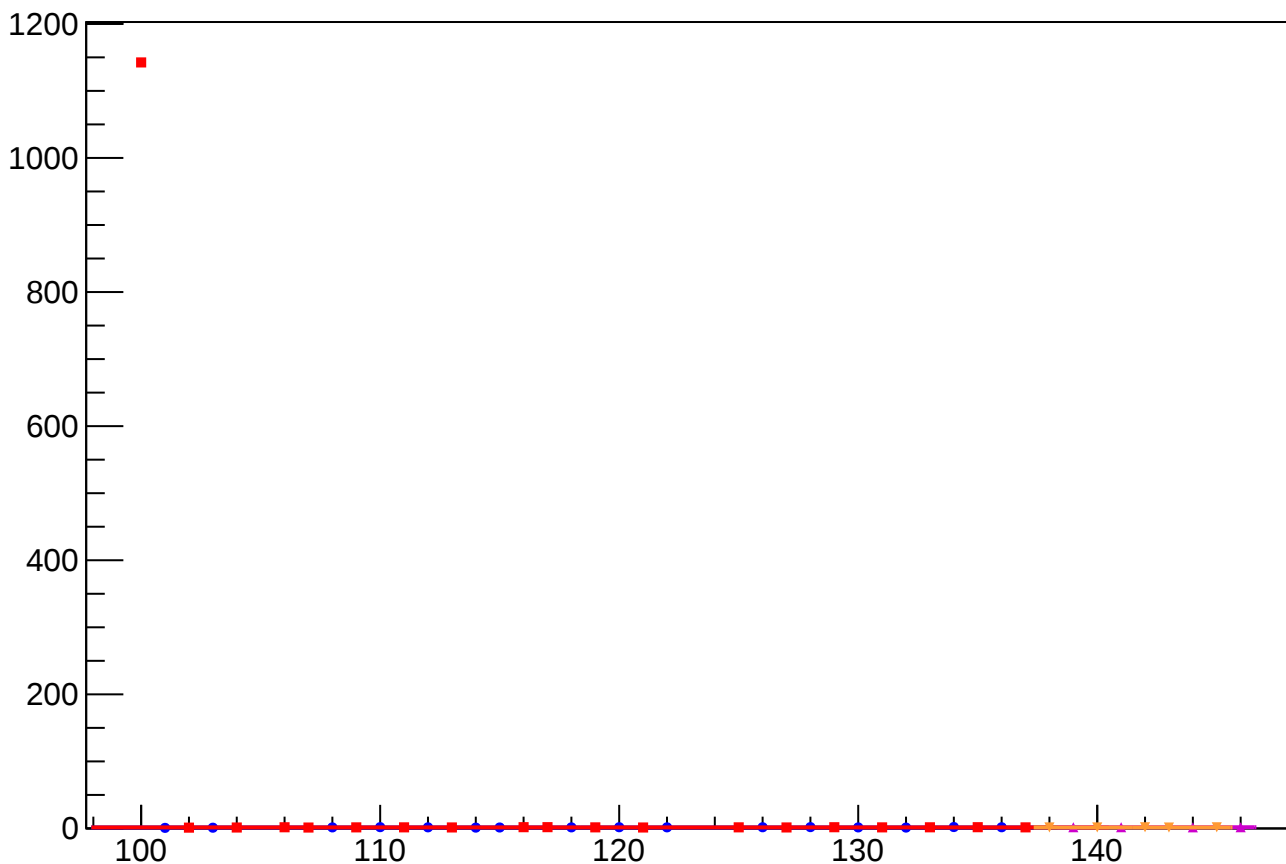
Right Out: 0.336+/-0.641 χ^2/NDF : 23.1/18

Left In: -0.325+/-1.065 χ^2/NDF : 1.6/3

0.235+/-0.514 χ^2/NDF : 14.3/20

0.160+/-0.549 χ^2/NDF : 25.0/22

asym_dsl_correction_rms vs Slug



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

Left Out: 1.562 $\pm$ 0.001 χ^2 /NDF: 37495.6/4

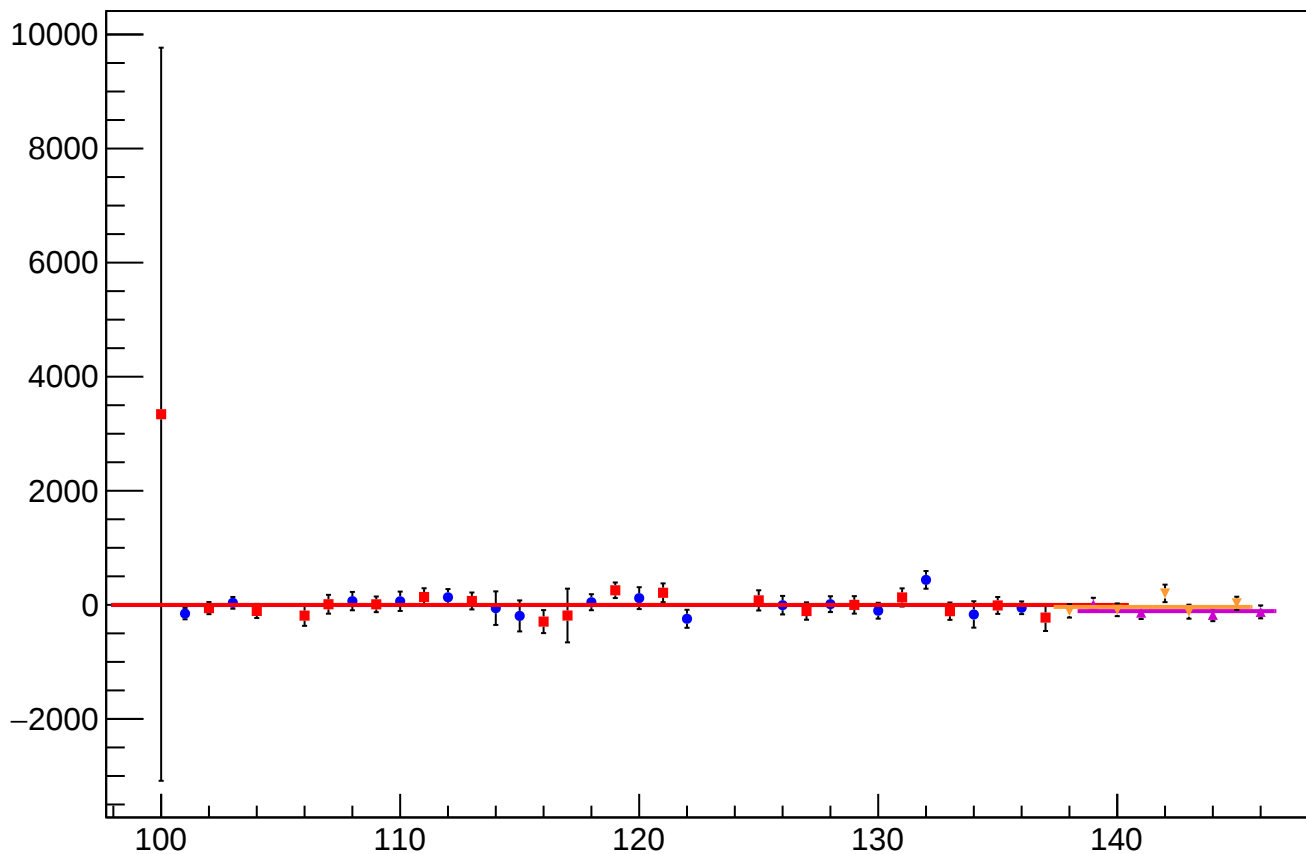
Right Out: 1.557 $\pm$ 0.000 χ^2 /NDF: 318750.9/18

Left In: 1.807 $\pm$ 0.001 χ^2 /NDF: 8738.9/3

1.463 $\pm$ 0.000 χ^2 /NDF: 800688.7/20

1.624 $\pm$ 0.000 χ^2 /NDF: 408111.5/22

asym_dsl_mean vs Slug



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

Left Out: -36.512 ± 54.570 χ^2/NDF : 3.7/4

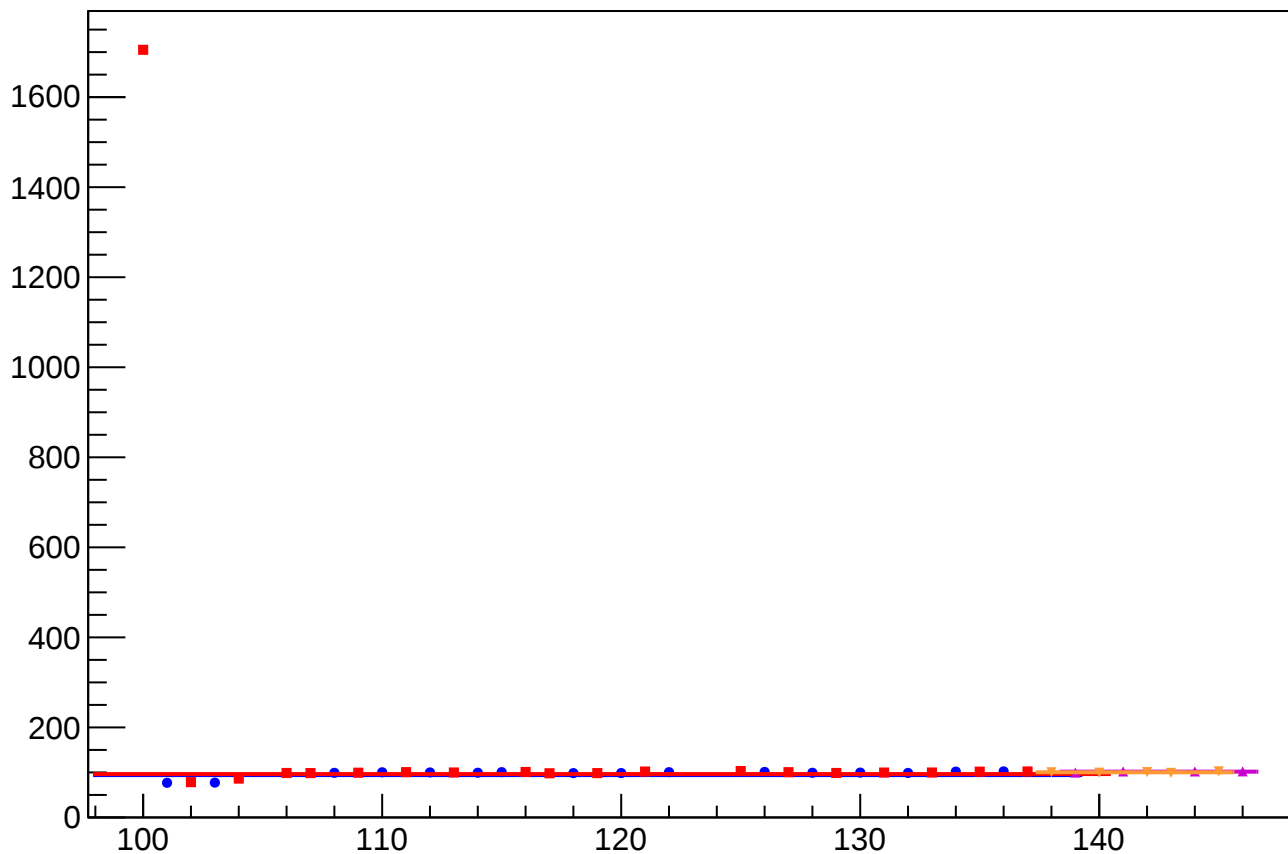
Right Out: -1.300 ± 36.598 χ^2/NDF : 13.7/18

Left In: -110.258 ± 56.470 χ^2/NDF : 1.4/3

-13.514 ± 30.467 χ^2/NDF : 20.3/20

-33.528 ± 30.712 χ^2/NDF : 17.7/22

asym_dsl_rms vs Slug



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

Left Out: 100.350+/-0.039 χ^2/NDF : 1005.4/4

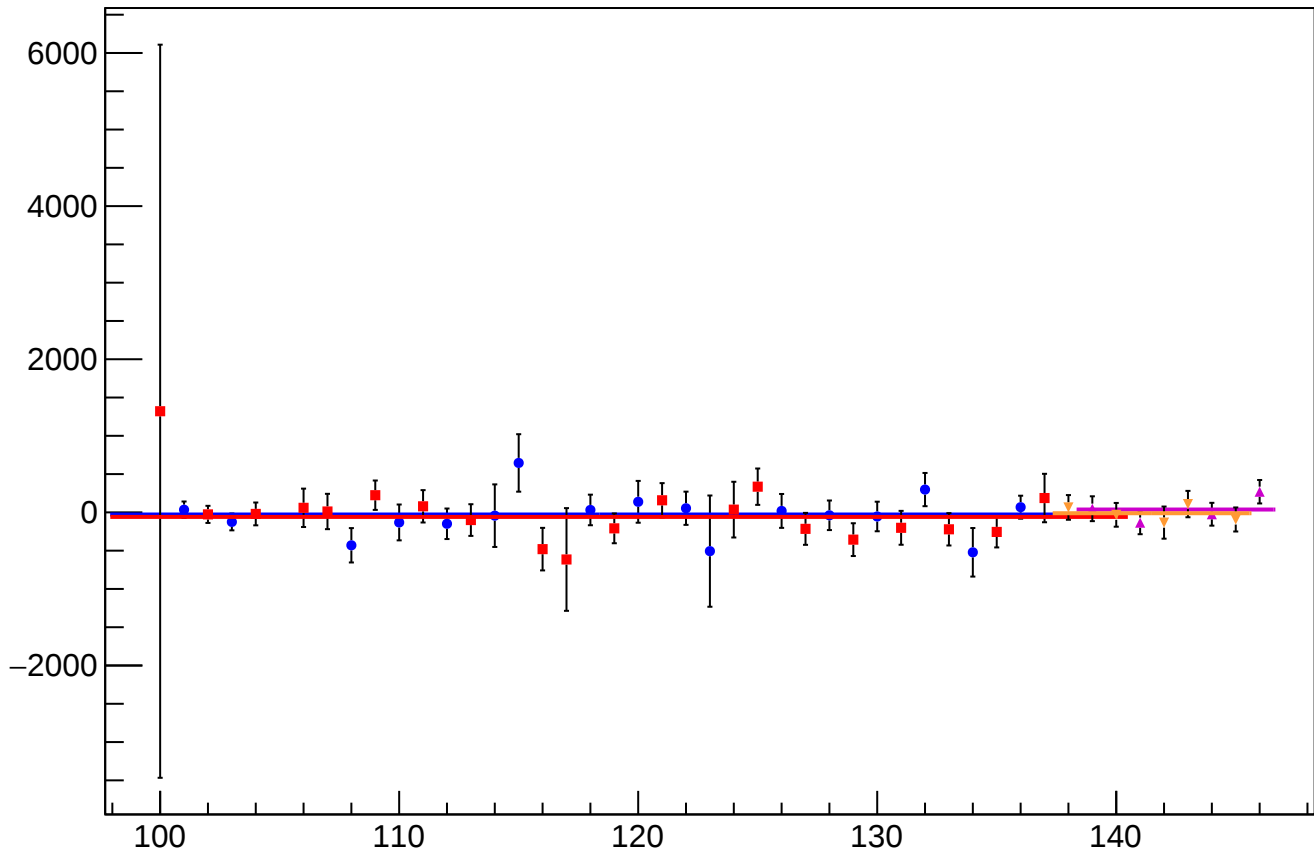
Right Out: 96.391+/-0.026 χ^2/NDF : 214389.8/18

Left In: 101.735+/-0.040 χ^2/NDF : 672.4/3

96.043+/-0.022 χ^2/NDF : 171411.1/20

97.972+/-0.022 χ^2/NDF : 227672.6/22

reg_asym_dsr_mean vs Slug



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

Left Out: -11.170 ± 75.160 χ^2/NDF : 1.3/4

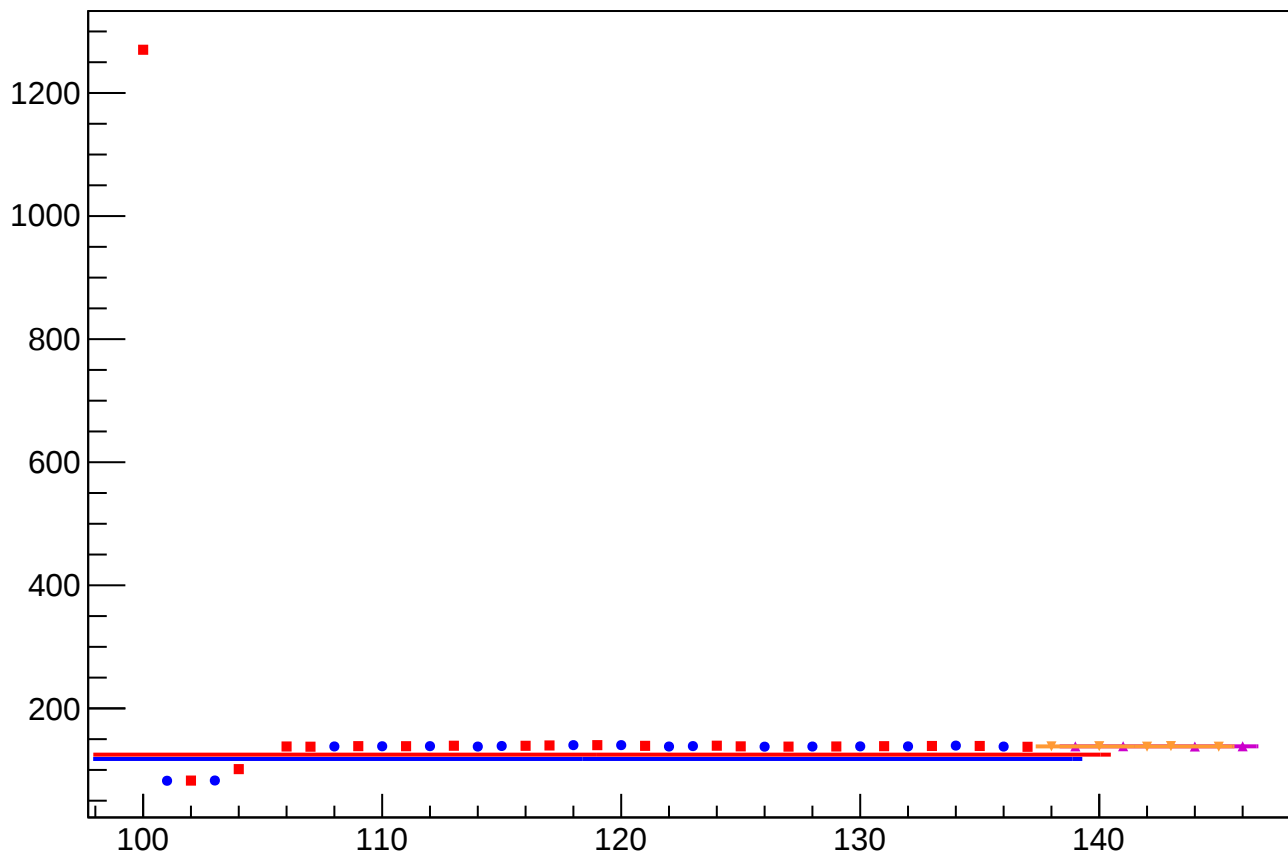
Right Out: -59.211 ± 47.588 χ^2/NDF : 15.6/19

Left In: 37.167 ± 76.792 χ^2/NDF : 3.8/3

-23.186 ± 39.714 χ^2/NDF : 15.7/21

-32.469 ± 40.451 χ^2/NDF : 20.5/23

reg_asym_dsr_rms vs Slug



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

Left Out: 138.220 ± 0.053 χ^2/NDF : 51.1/4

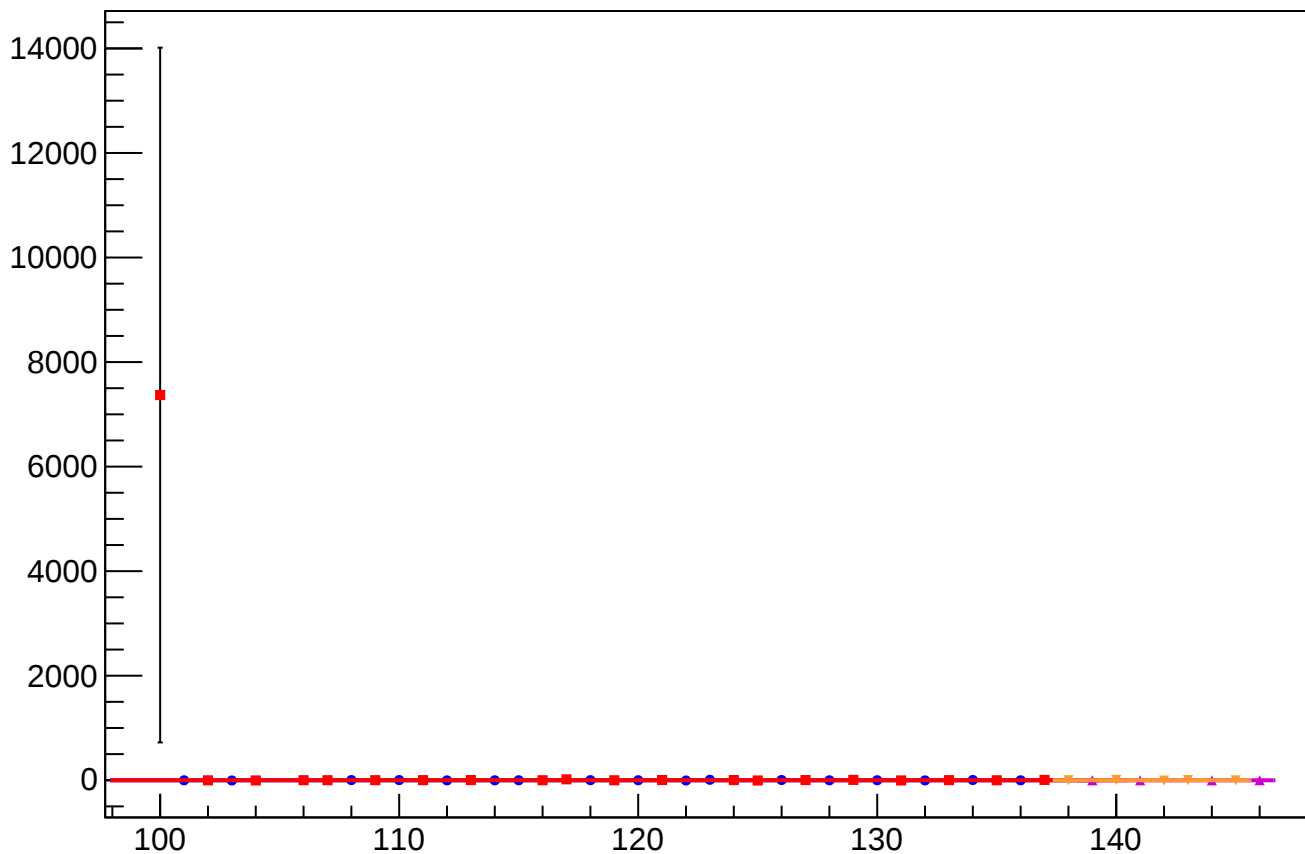
Right Out: 124.839 ± 0.034 χ^2/NDF : 570766.0/19

Left In: 138.348 ± 0.054 χ^2/NDF : 9.6/3

123.512 ± 0.028 χ^2/NDF : 772888.5/21

128.587 ± 0.029 χ^2/NDF : 615494.8/23

asym_dsr_correction_mean vs Slug



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

Left Out: 0.319+/-1.309 χ^2/NDF : 8.4/4

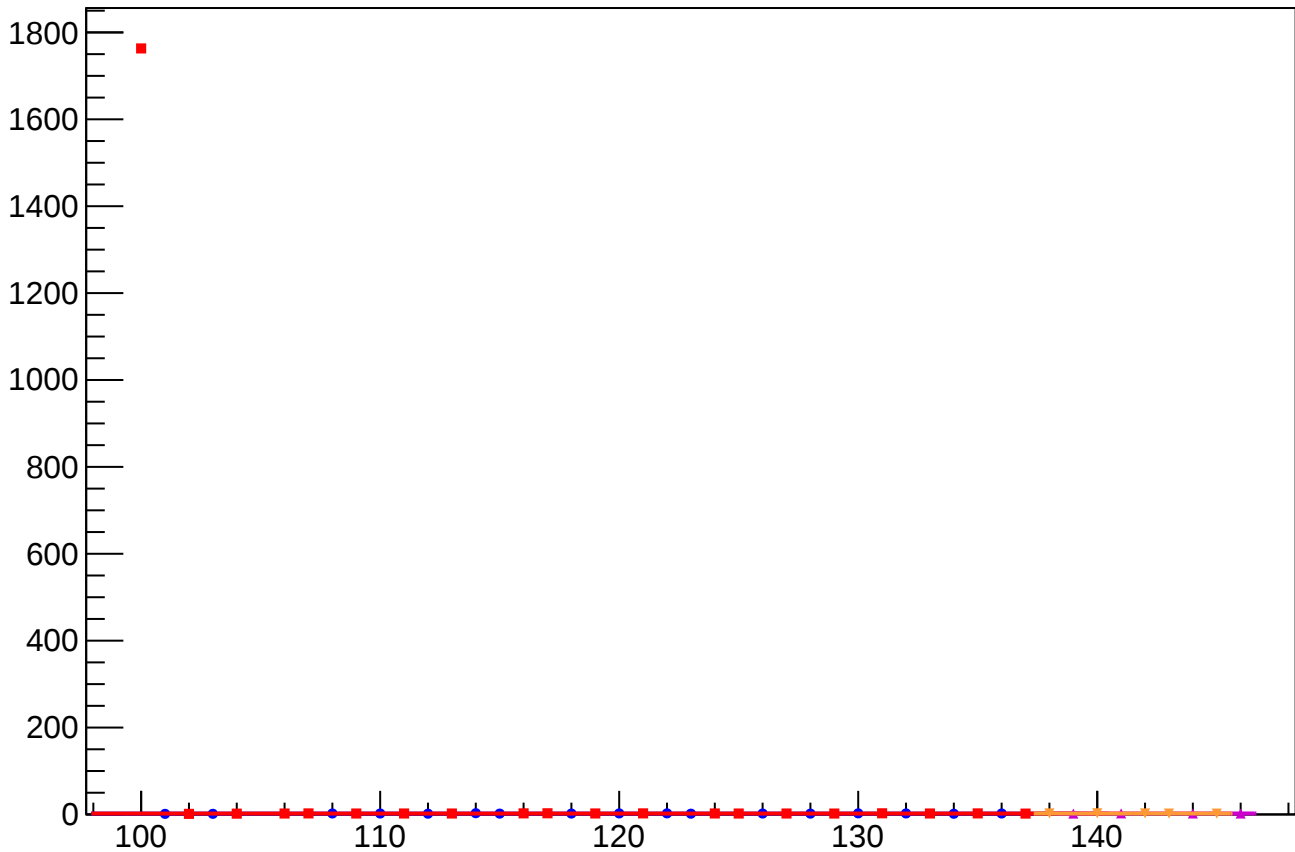
Right Out: 0.719+/-0.849 χ^2/NDF : 15.3/19

Left In: -0.657+/-1.352 χ^2/NDF : 0.3/3

-0.414+/-0.689 χ^2/NDF : 21.5/21

0.330+/-0.719 χ^2/NDF : 16.4/23

asym_dsr_correction_rms vs Slug



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

Left Out: 2.218 $\pm$ 0.001 χ^2 /NDF: 89110.0/4

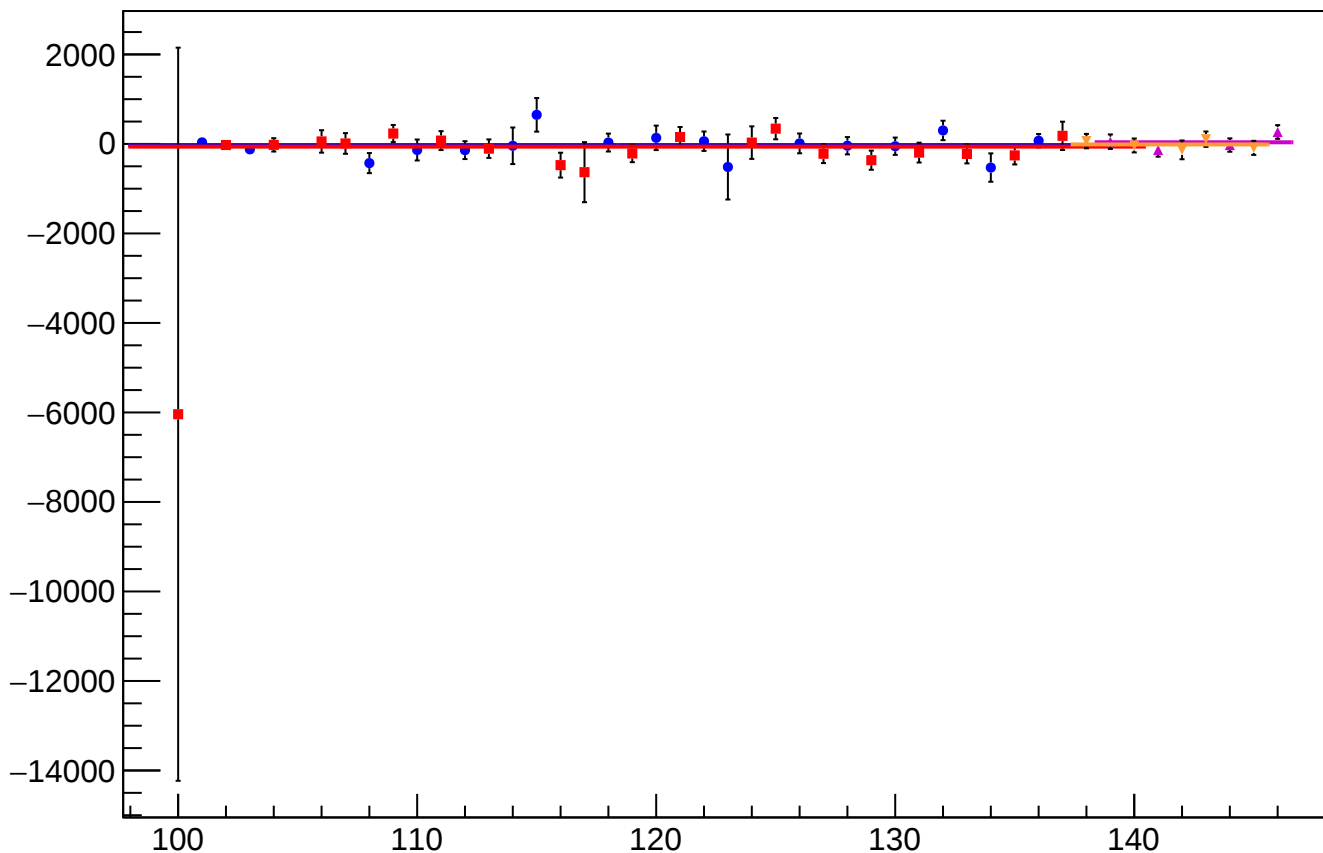
Right Out: 2.068 $\pm$ 0.001 χ^2 /NDF: 530286.7/19

Left In: 2.235 $\pm$ 0.001 χ^2 /NDF: 30094.2/3

1.966 $\pm$ 0.000 χ^2 /NDF: 684797.5/21

2.115 $\pm$ 0.001 χ^2 /NDF: 582227.4/23

asym_dsr_mean vs Slug



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

Left Out: -11.368+/-75.180 χ^2 /NDF: 1.3/4

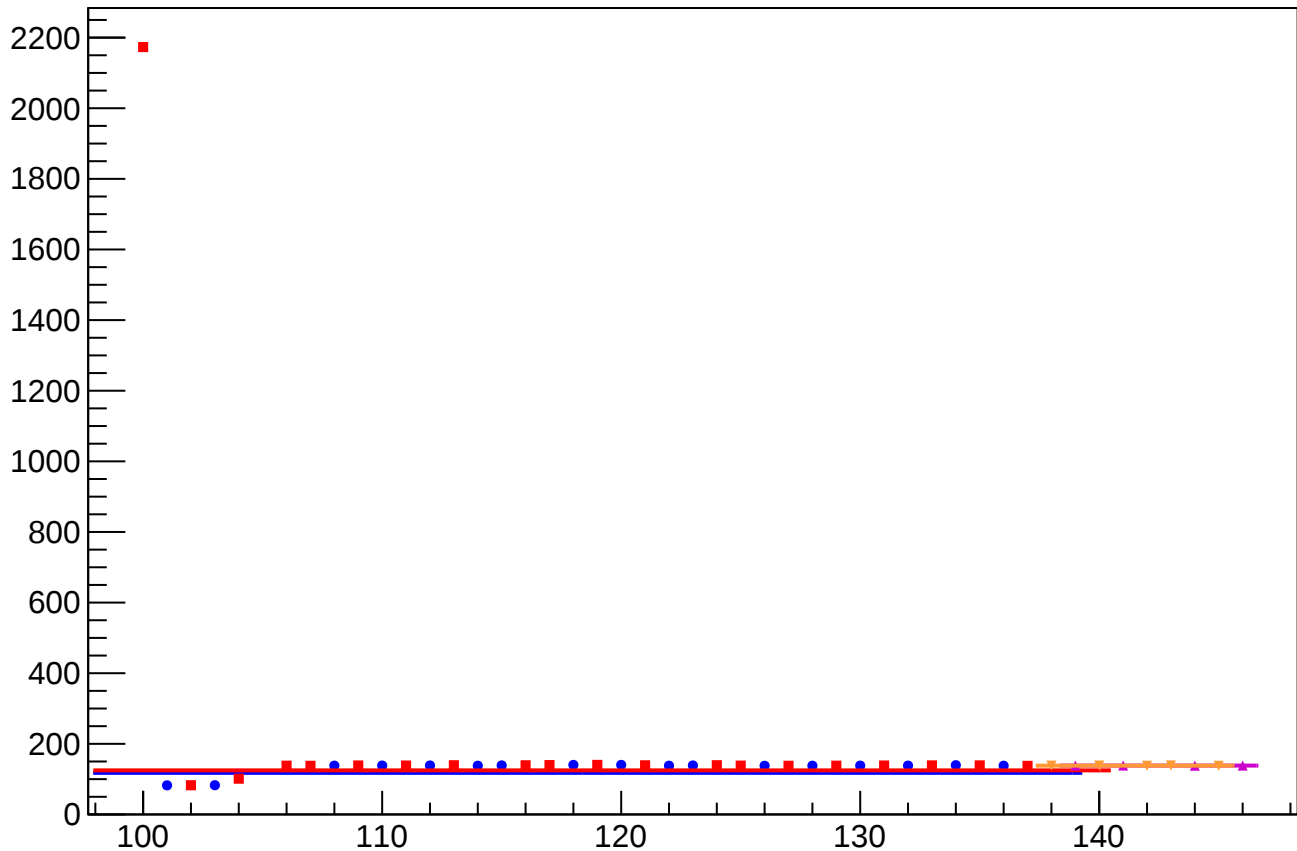
Right Out: -60.159+/-47.602 χ^2 /NDF: 16.2/19

Left In: 36.754+/-76.812 χ^2 /NDF: 3.7/3

-22.101+/-39.724 χ^2 /NDF: 15.7/21

-33.267+/-40.462 χ^2 /NDF: 21.1/23

asym_dsr_rms vs Slug



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

Left Out: 138.257 $\pm$ 0.053 χ^2 /NDF: 50.8/4

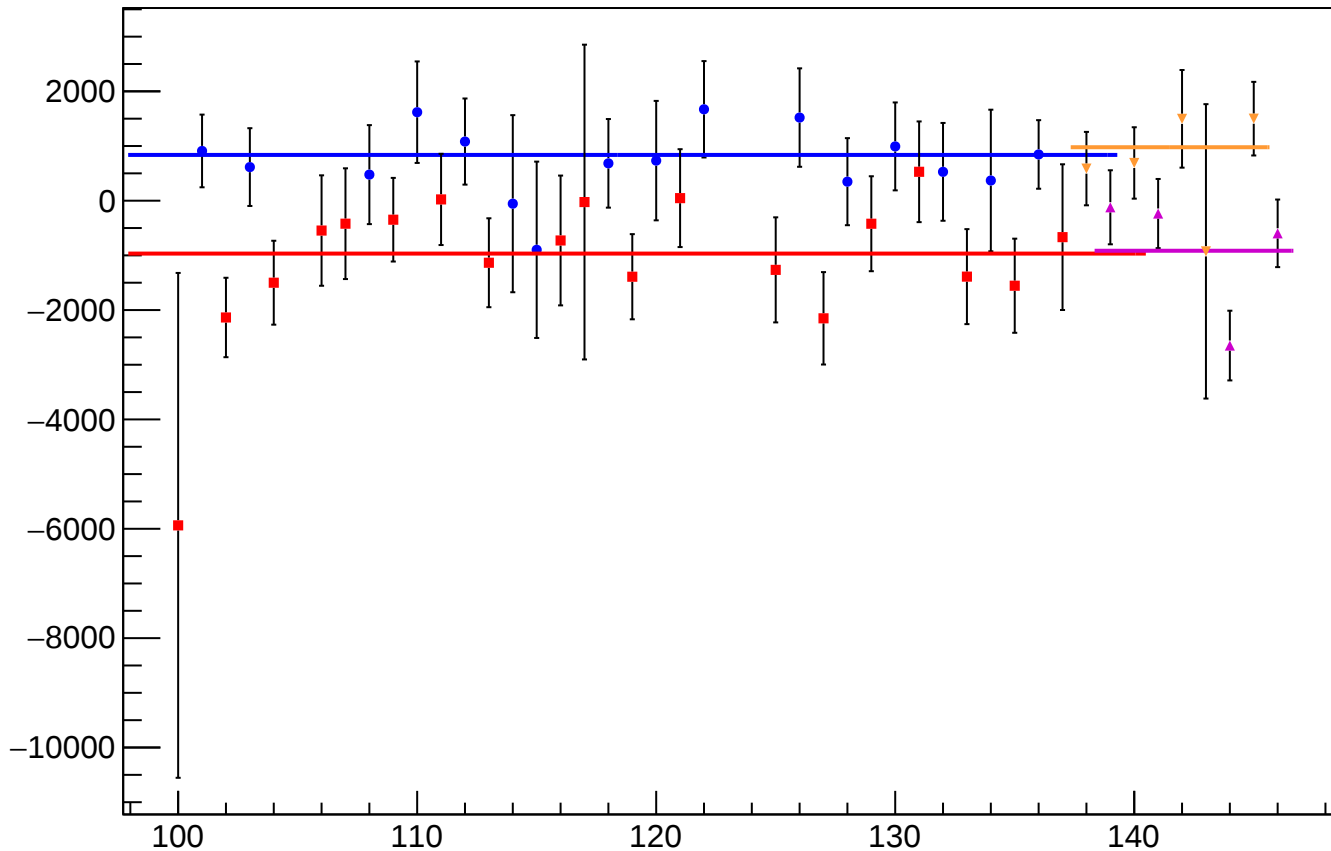
Right Out: 124.828 $\pm$ 0.034 χ^2 /NDF: 581349.7/19

Left In: 138.385 $\pm$ 0.054 χ^2 /NDF: 9.8/3

123.545 $\pm$ 0.028 χ^2 /NDF: 772924.4/21

128.590 $\pm$ 0.029 χ^2 /NDF: 626369.7/23

reg_asym_left_avg_mean vs Slug



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

Left Out: 977.705 ± 349.967 χ^2/NDF : 2.0/4

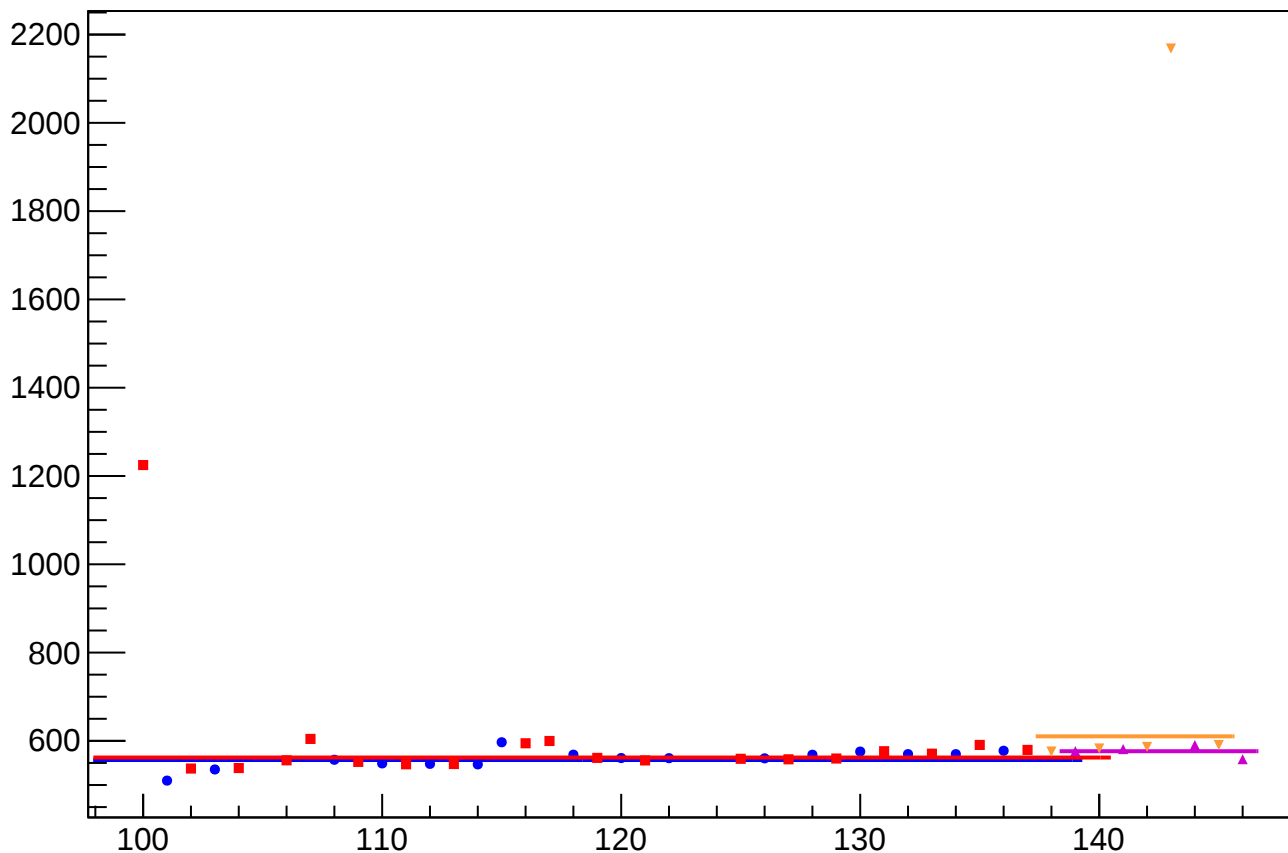
Right Out: -967.277 ± 212.168 χ^2/NDF : 14.4/18

Left In: -915.469 ± 320.076 χ^2/NDF : 10.2/3

875.896 ± 183.921 χ^2/NDF : 6.8/20

-951.462 ± 176.844 χ^2/NDF : 24.6/22

reg_asym_left_avg_rms vs Slug



Right In: 556.637+/-0.153 χ^2/NDF : 18391.7/15

Left Out: 610.281+/-0.247 χ^2/NDF : 682073.2/4

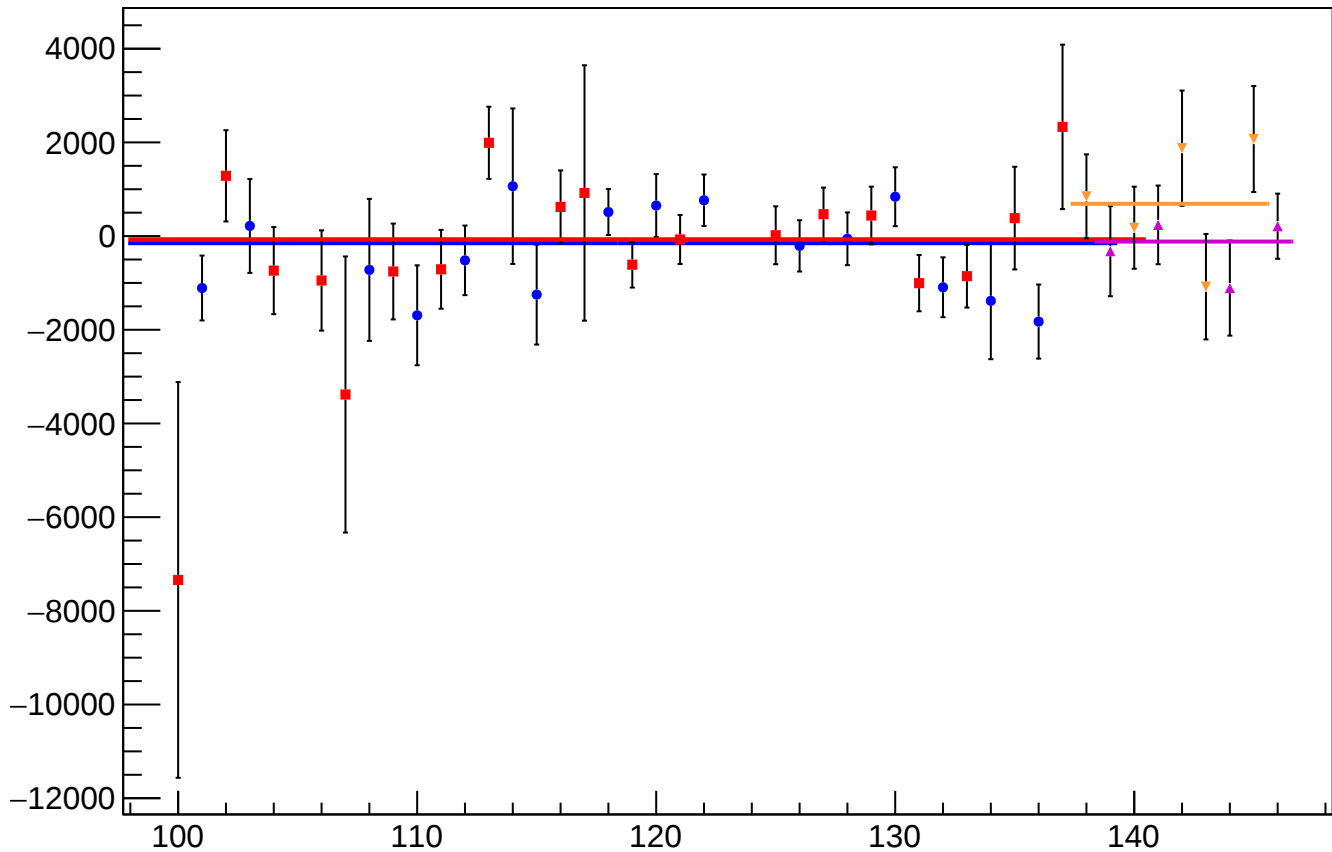
Right Out: 562.253+/-0.150 χ^2/NDF : 55916.7/18

Left In: 576.547+/-0.226 χ^2/NDF : 2786.5/3

571.453+/-0.130 χ^2/NDF : 734477.2/20

566.616+/-0.125 χ^2/NDF : 61474.1/22

asym_left_avg_correction_mean vs Slug



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

Left Out: 689.115+/-457.430 χ^2/NDF : 5.3/4

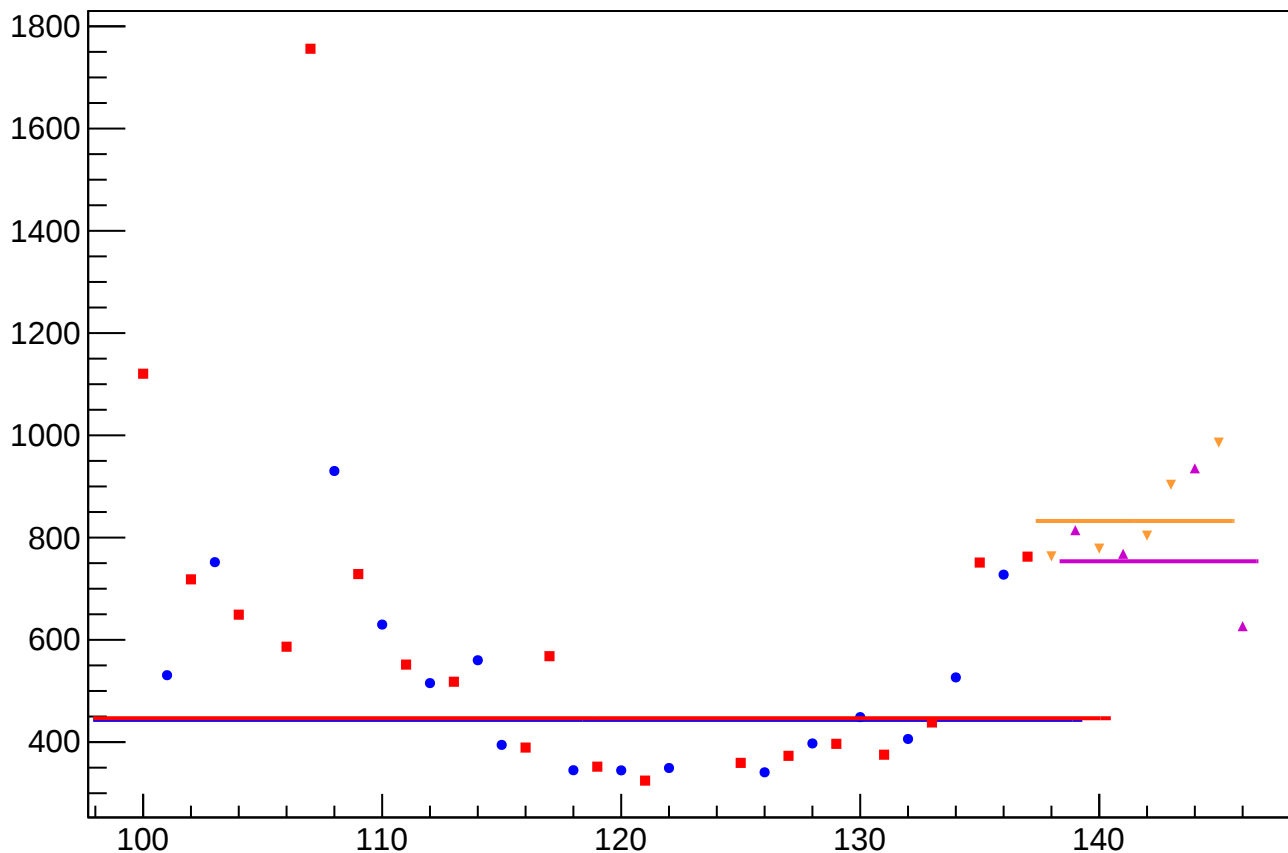
Right Out: -67.516+/-178.283 χ^2/NDF : 25.1/18

Left In: -117.134+/-424.933 χ^2/NDF : 1.4/3

-39.029+/-167.561 χ^2/NDF : 30.5/20

-74.943+/-164.400 χ^2/NDF : 26.6/22

asym_left_avg_correction_rms vs Slug



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

Left Out: 832.513+/-0.323 χ^2/NDF : 65239.7/4

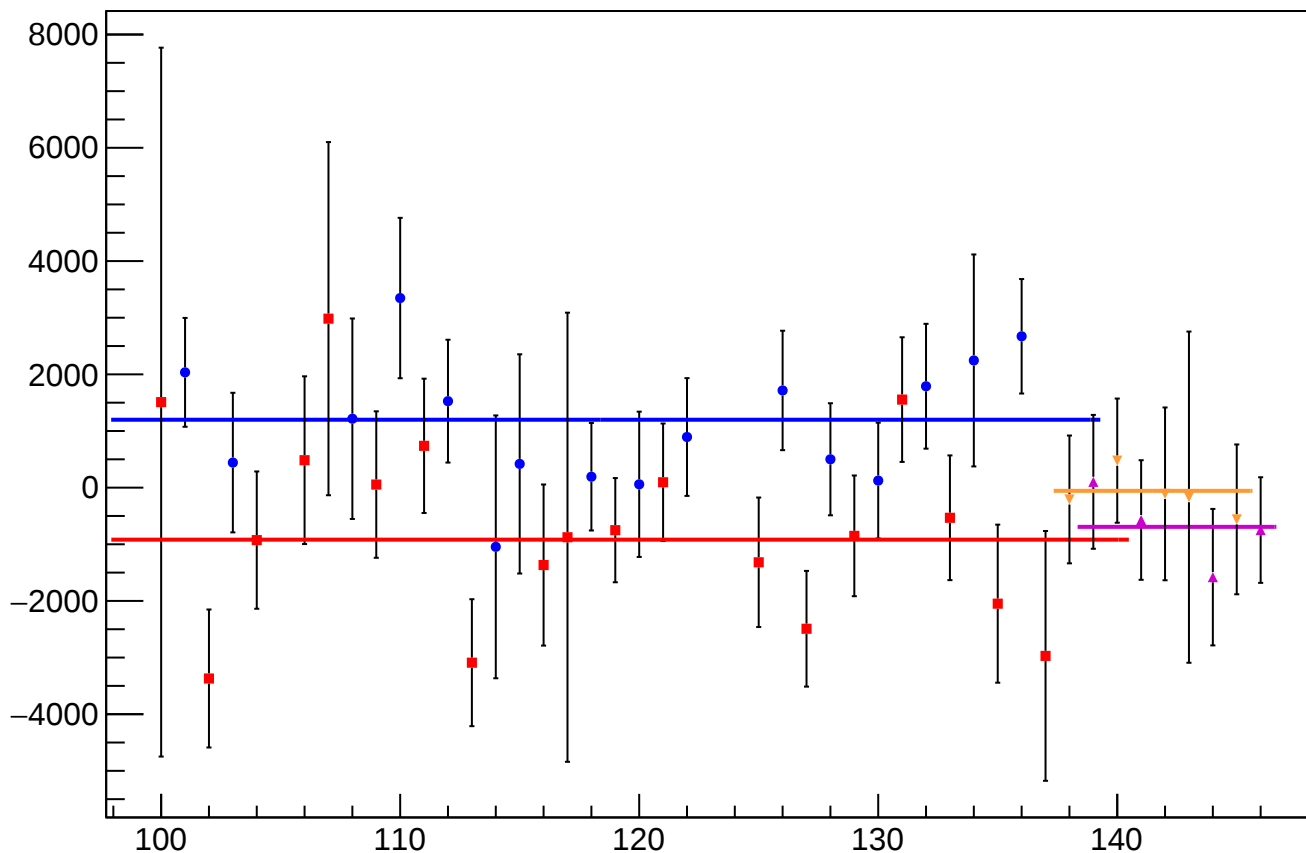
Right Out: 446.668+/-0.126 χ^2/NDF : 1463968.9/18

Left In: 753.674+/-0.300 χ^2/NDF : 139353.9/3

495.657+/-0.118 χ^2/NDF : 2378874.5/20

492.621+/-0.116 χ^2/NDF : 2491023.9/22

asym_left_avg_mean vs Slug



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

Left Out: -56.282 ± 604.519 χ^2/NDF : 0.4/4

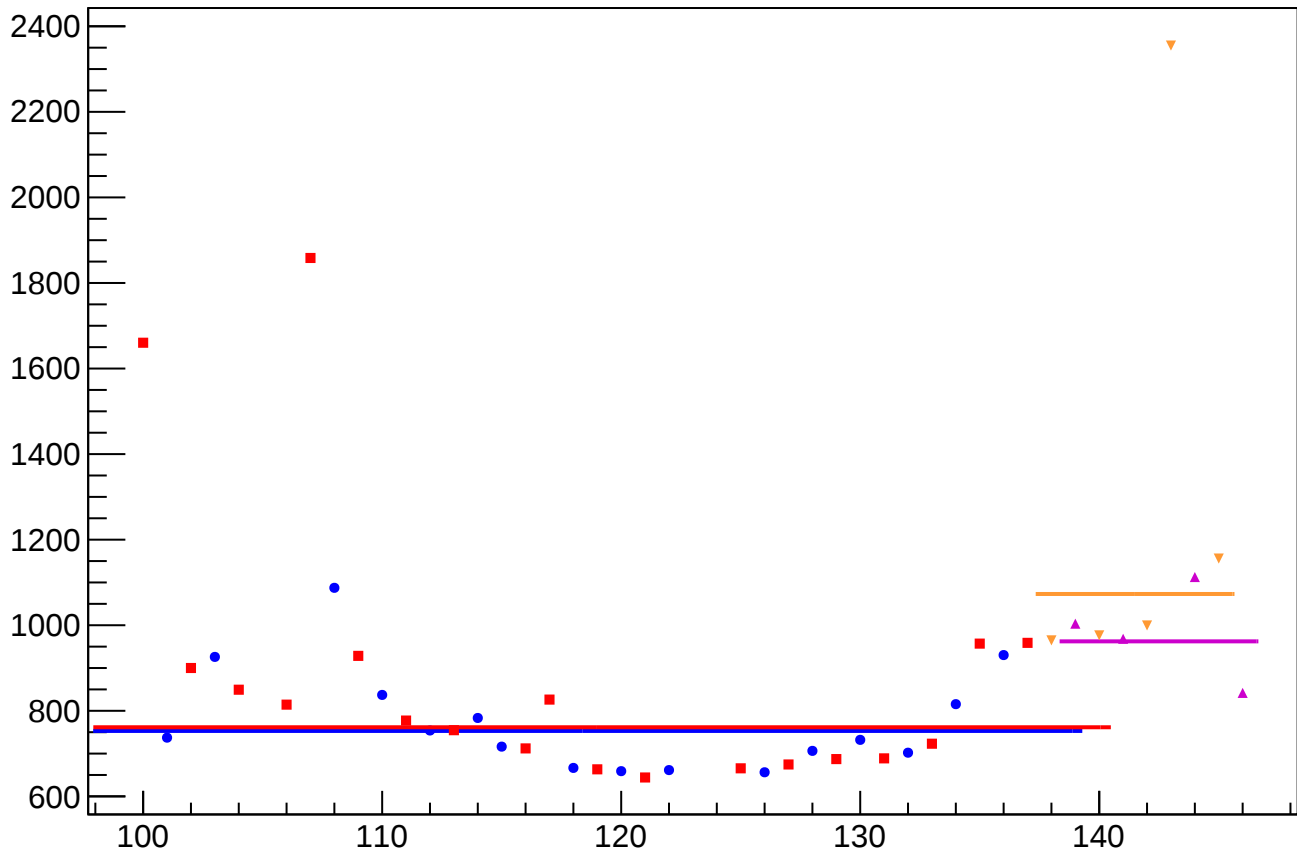
Right Out: -918.180 ± 292.495 χ^2/NDF : 23.2/18

Left In: -692.149 ± 538.130 χ^2/NDF : 1.0/3

957.223 ± 265.293 χ^2/NDF : 15.1/20

-866.631 ± 256.987 χ^2/NDF : 24.4/22

asym_left_avg_rms vs Slug



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

Left Out: 1073.060 $\pm$ 0.427 χ^2 /NDF: 431028.3/4

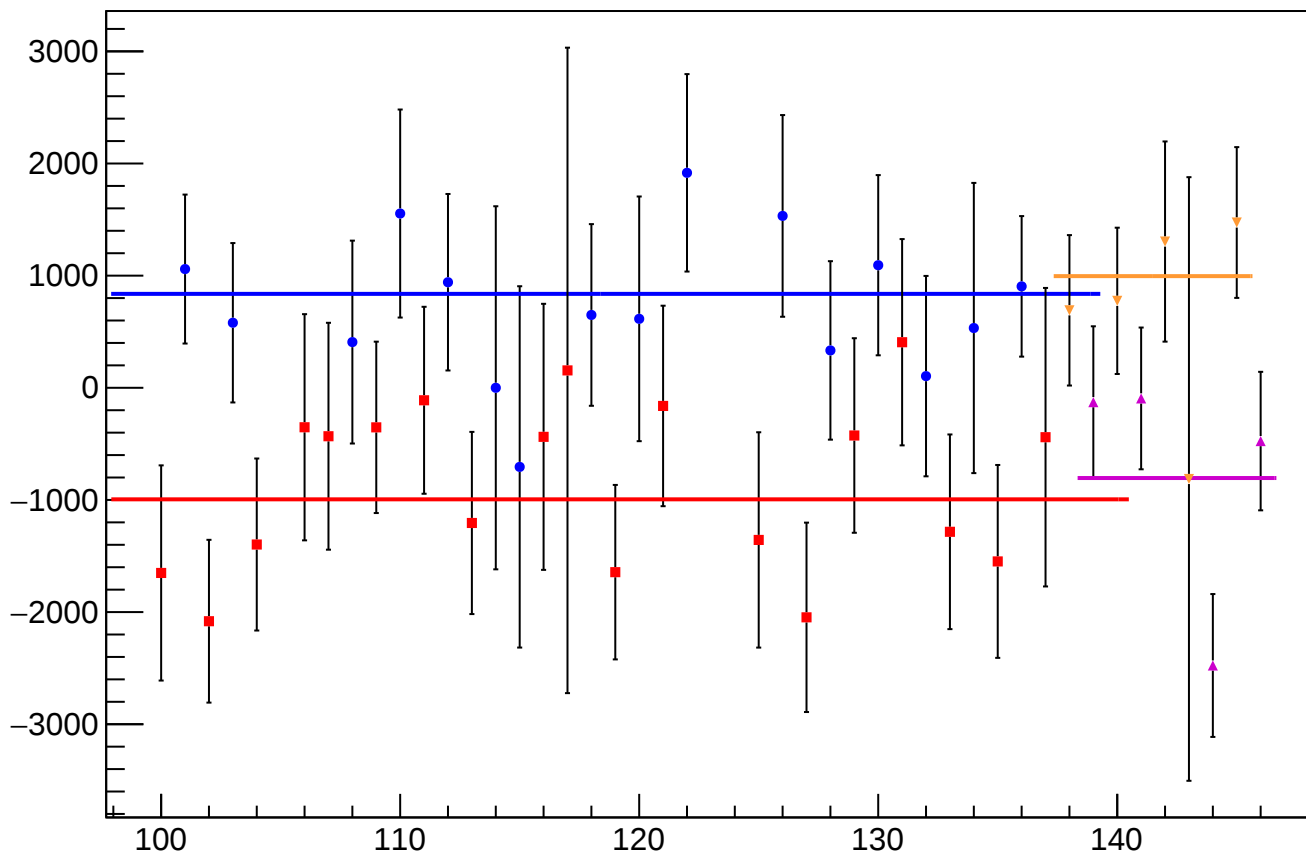
Right Out: 761.514 $\pm$ 0.207 χ^2 /NDF: 517672.2/18

Left In: 962.323 $\pm$ 0.381 χ^2 /NDF: 67054.9/3

814.590 $\pm$ 0.188 χ^2 /NDF: 1136386.4/20

807.310 $\pm$ 0.182 χ^2 /NDF: 799709.9/22

reg_asym_left_dd_mean vs Slug



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

Left Out: 995.674 $\pm$ 349.640 χ^2 /NDF:1.4/4

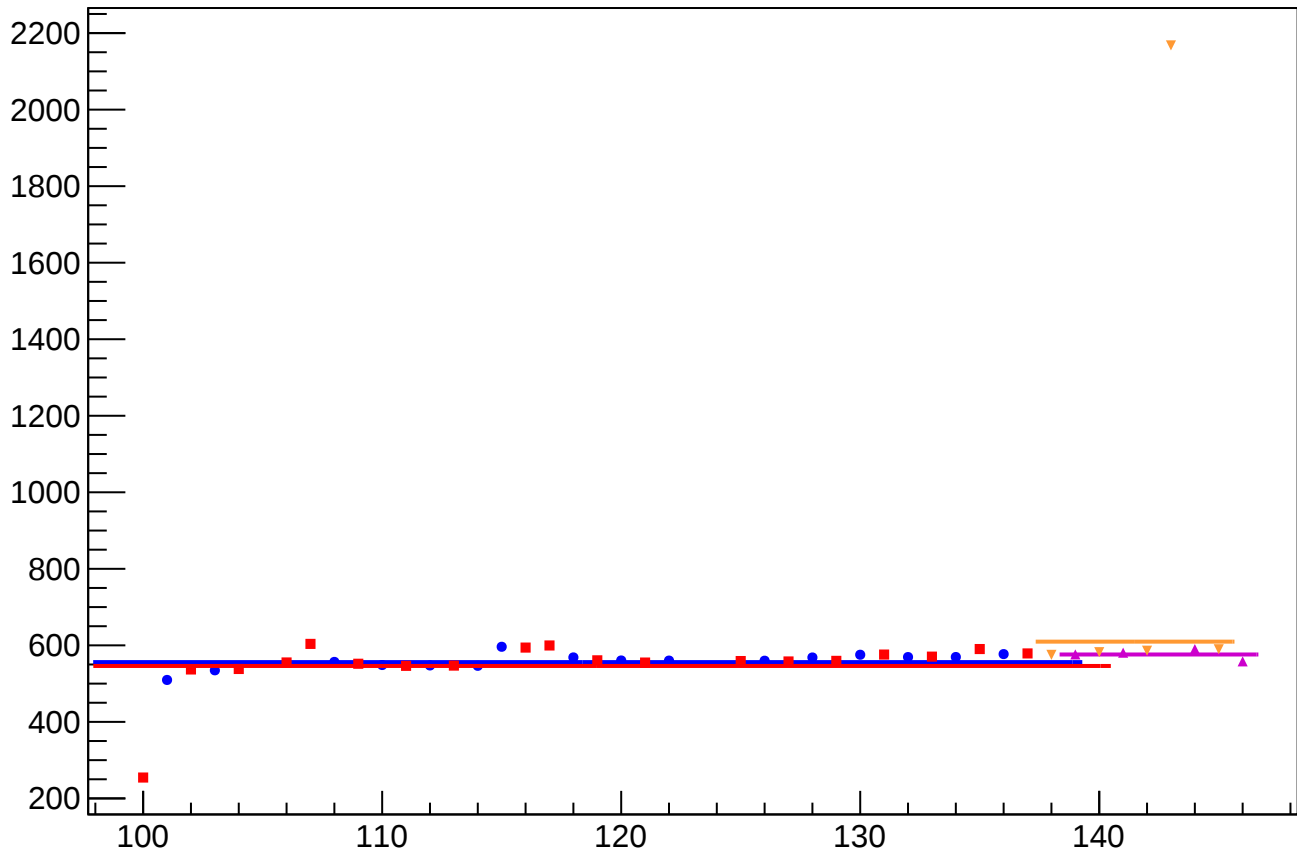
Right Out: -994.626 $\pm$ 207.208 χ^2 /NDF: 12.7/18

Left In: -804.612 $\pm$ 319.840 χ^2 /NDF:9.4/3

881.238 $\pm$ 183.771 χ^2 /NDF: 7.3/20

-938.452 $\pm$ 173.903 χ^2 /NDF: 22.4/22

reg_asym_left_dd_rms vs Slug



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

Left Out: 609.691+/-0.247 χ^2/NDF : 682439.1/4

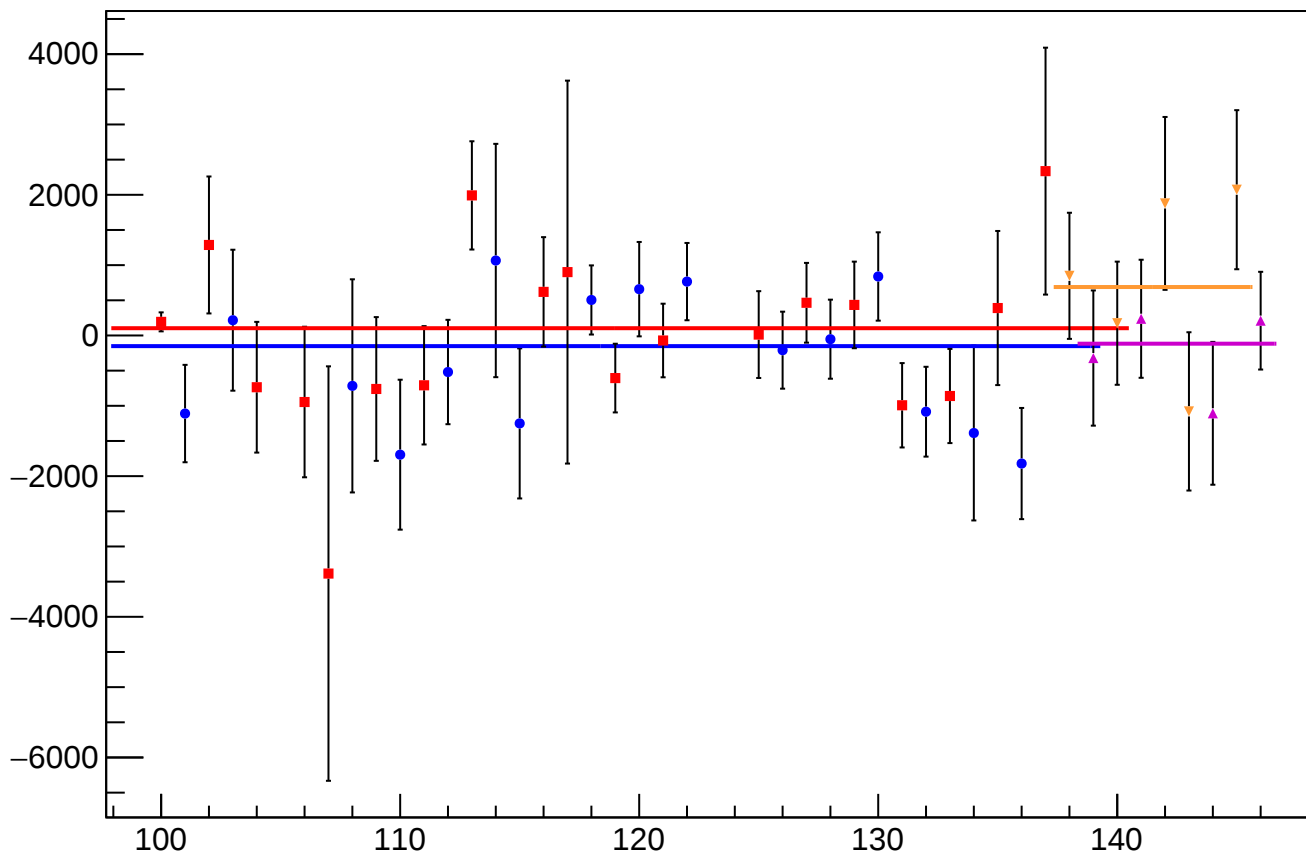
Right Out: 546.124+/-0.147 χ^2/NDF : 208336.6/18

Left In: 576.122+/-0.226 χ^2/NDF : 2783.4/3

570.985+/-0.130 χ^2/NDF : 734723.2/20

554.992+/-0.123 χ^2/NDF : 223512.3/22

asym_left_dd_correction_mean vs Slug



Right In: -151.459 ± 179.991 $\chi^2/\text{NDF}: 22.3/15$

Left Out: 688.756 ± 457.273 $\chi^2/\text{NDF}: 5.3/4$

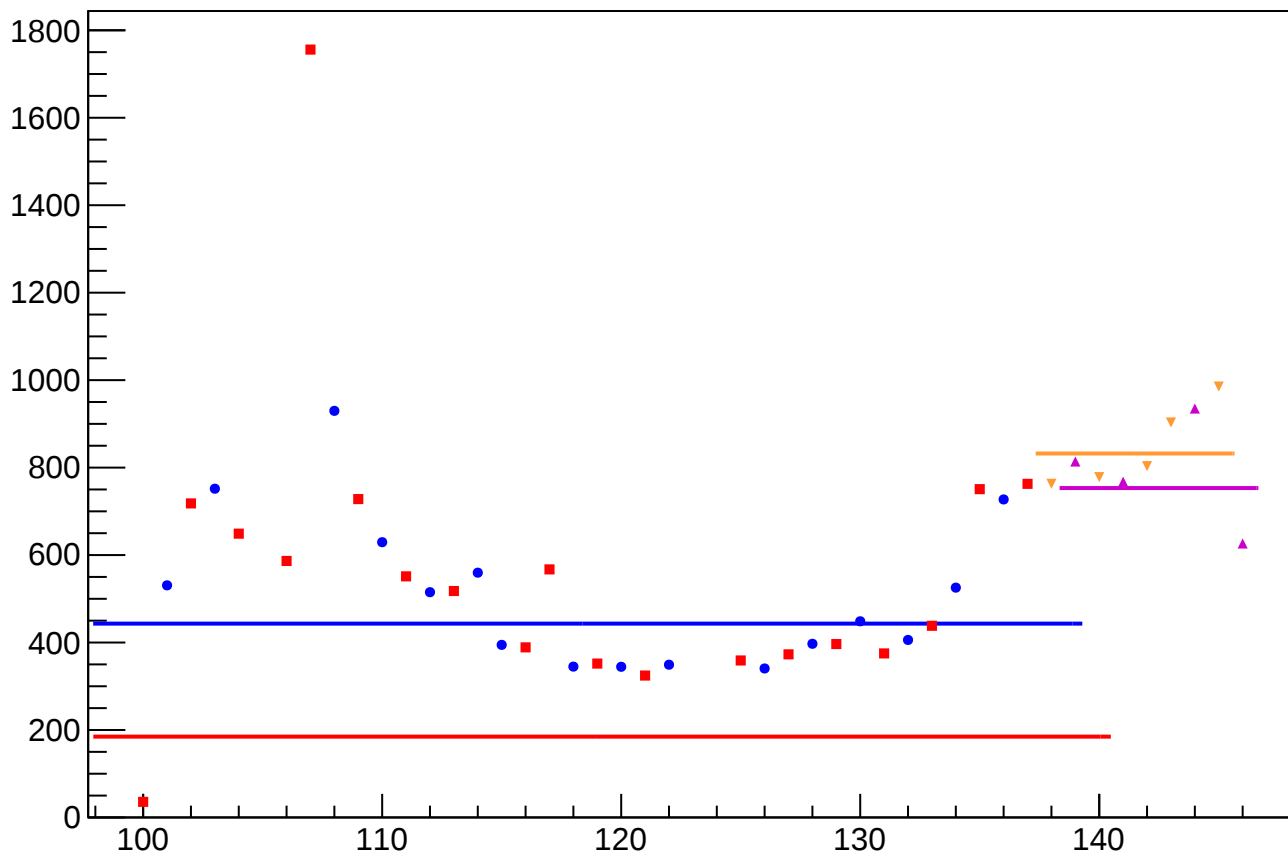
Right Out: 103.328 ± 107.623 $\chi^2/\text{NDF}: 23.3/18$

Left In: -116.849 ± 424.695 $\chi^2/\text{NDF}: 1.4/3$

-38.744 ± 167.483 $\chi^2/\text{NDF}: 30.5/20$

90.042 ± 104.325 $\chi^2/\text{NDF}: 25.0/22$

asym_left_dd_correction_rms vs Slug



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

Left Out: 832.230+/-0.323 χ^2/NDF : 65237.2/4

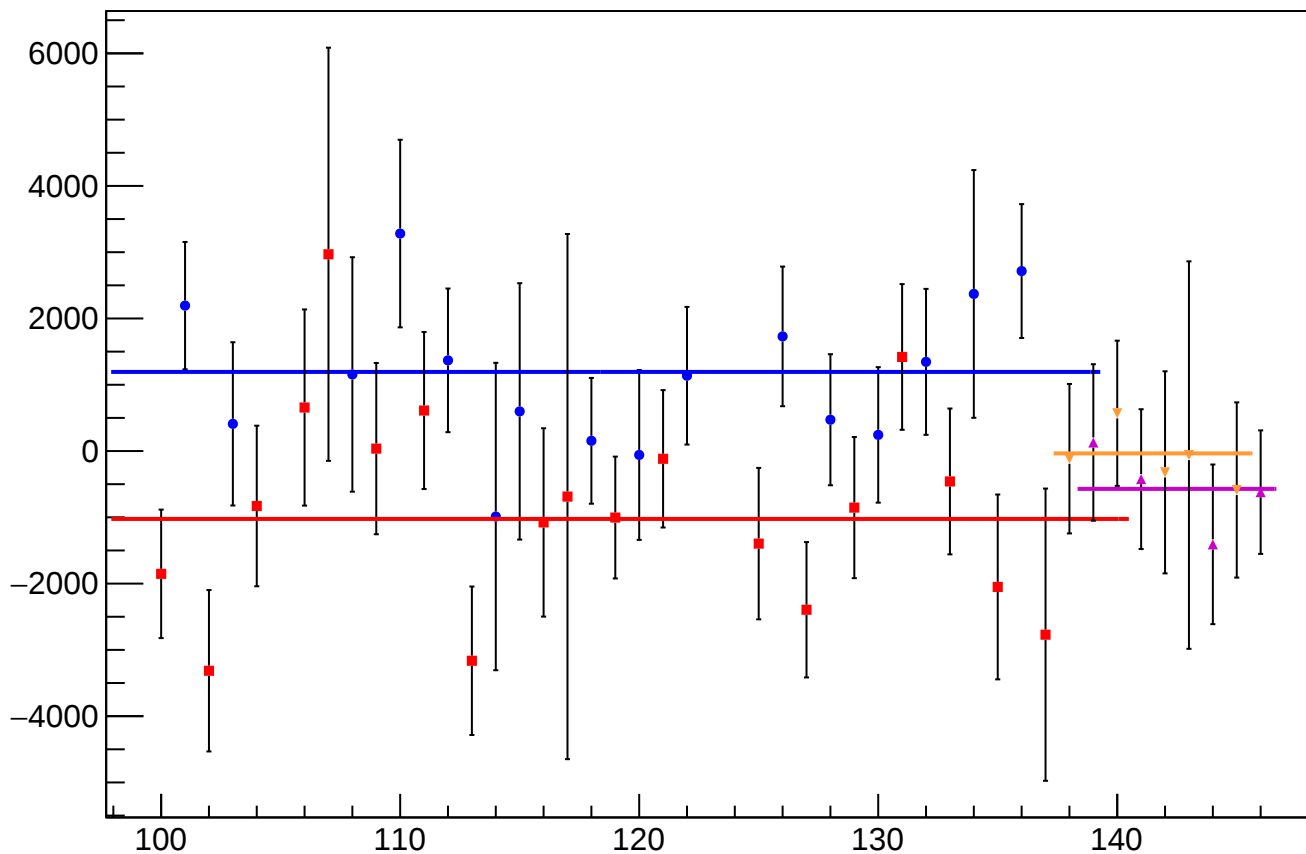
Right Out: 184.814+/-0.076 χ^2/NDF : 8119311.6/18

Left In: 753.252+/-0.300 χ^2/NDF : 139321.9/3

495.423+/-0.118 χ^2/NDF : 2379154.3/20

219.115+/-0.074 χ^2/NDF : 11625392.4/22

asym_left_dd_mean vs Slug



Right In: 1193.849 ± 295.046 χ^2/NDF : 11.2/15

Left Out: -35.655 ± 604.185 χ^2/NDF : 0.5/4

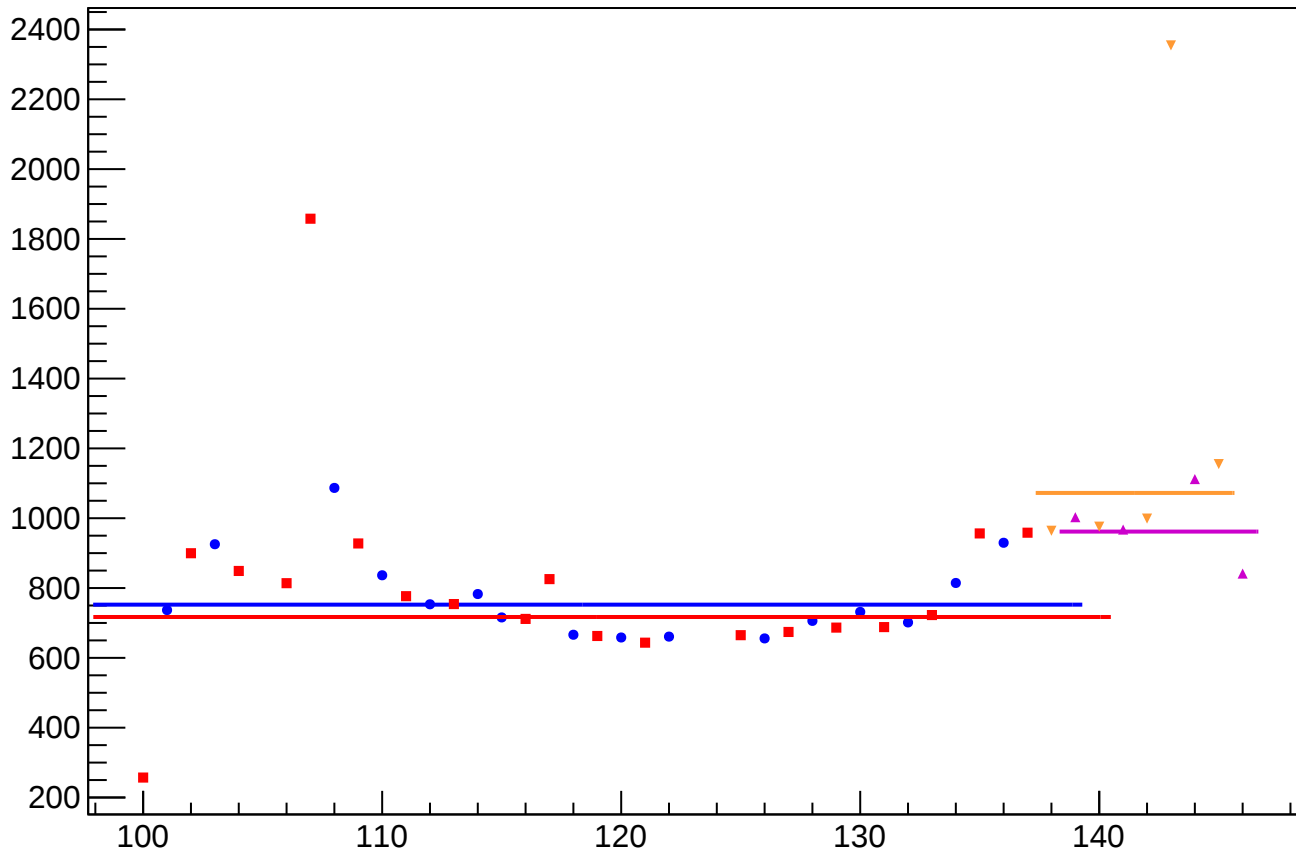
Right Out: -1024.435 ± 280.119 χ^2/NDF : 22.5/18

Left In: -570.859 ± 537.791 χ^2/NDF : 0.9/3

957.103 ± 265.122 χ^2/NDF : 15.0/20

-927.639 ± 248.438 χ^2/NDF : 24.0/22

asym_left_dd_rms vs Slug



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

Left Out: 1072.452+/-0.427 χ^2/NDF : 431201.9/4

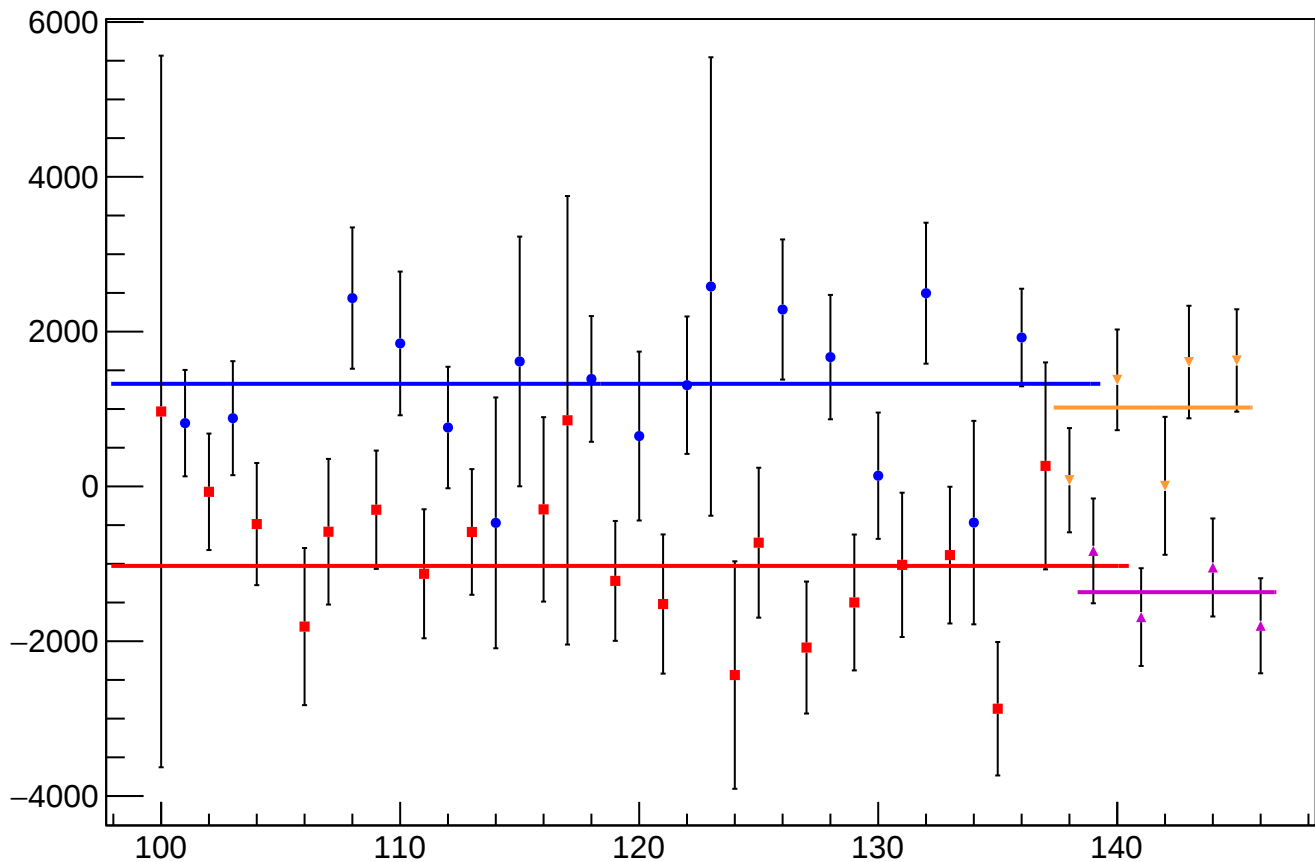
Right Out: 717.067+/-0.198 χ^2/NDF : 968442.7/18

Left In: 961.715+/-0.380 χ^2/NDF : 67036.4/3

814.050+/-0.187 χ^2/NDF : 1136979.7/20

769.277+/-0.176 χ^2/NDF : 1361041.5/22

reg_asym_right_avg_mean vs Slug



Right In: 1325.776 ± 218.106 χ^2/NDF : 12.9/16

Left Out: 1019.253 ± 316.181 χ^2/NDF : 5.0/4

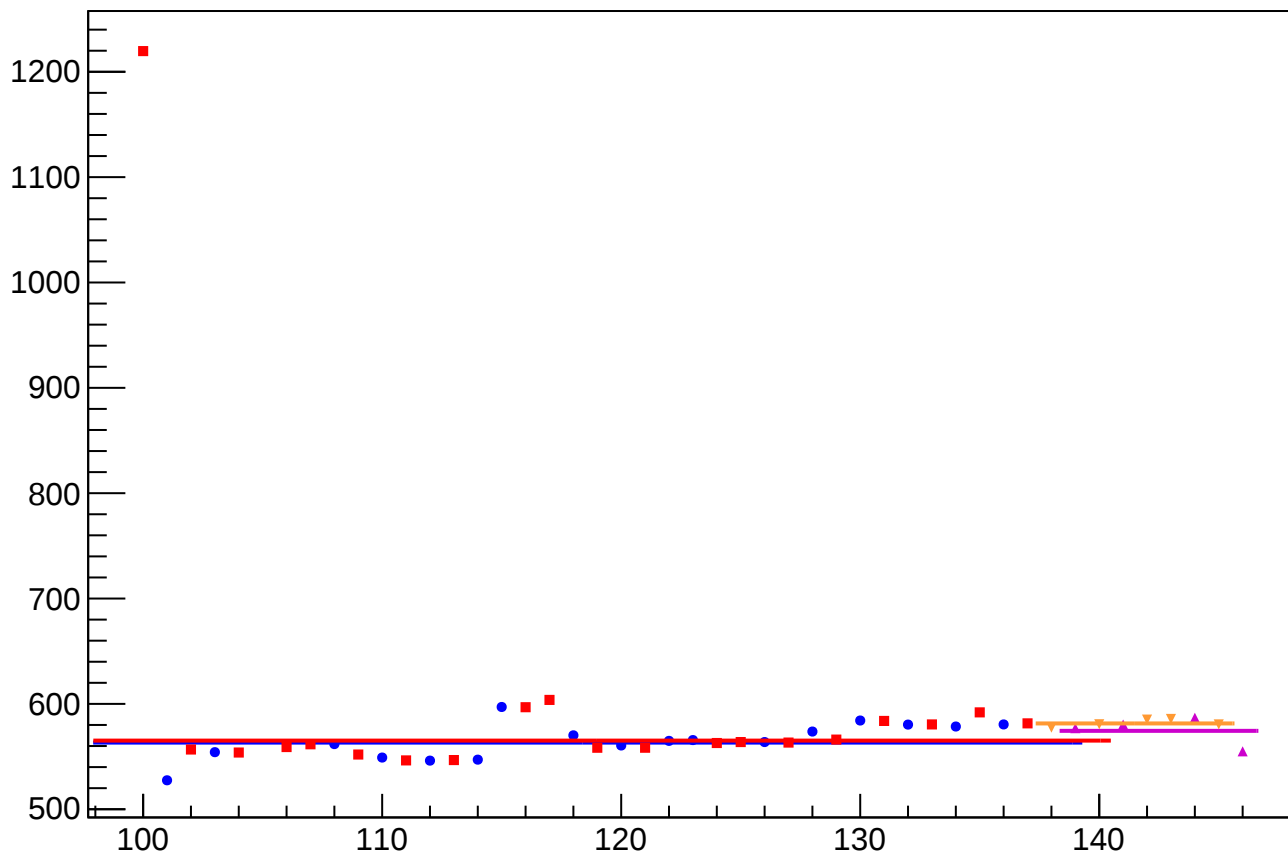
Right Out: -1026.996 ± 211.021 χ^2/NDF : 13.8/19

Left In: -1366.184 ± 318.894 χ^2/NDF : 1.6/3

1226.946 ± 179.534 χ^2/NDF : 18.6/21

-1130.290 ± 175.980 χ^2/NDF : 16.3/23

reg_asym_right_avg_rms vs Slug



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

Left Out: 581.439+/-0.224 χ^2/NDF : 178.7/4

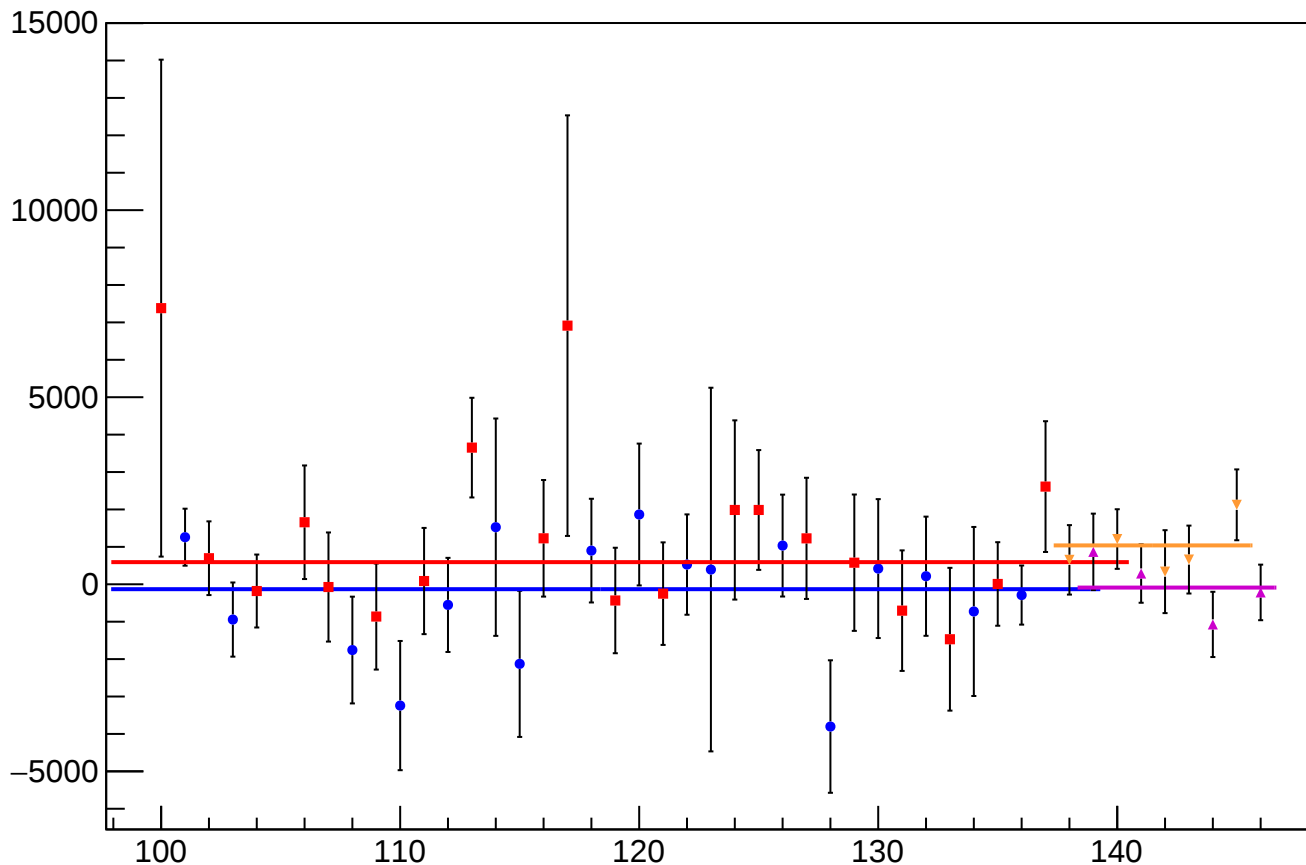
Right Out: 565.150+/-0.149 χ^2/NDF : 49653.1/19

Left In: 574.410+/-0.225 χ^2/NDF : 2982.8/3

569.125+/-0.127 χ^2/NDF : 17176.2/21

567.970+/-0.124 χ^2/NDF : 53808.7/23

asym_right_avg_correction_mean vs Slug



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

Left Out: 1038.922+/-412.447 χ^2/NDF : 2.1/4

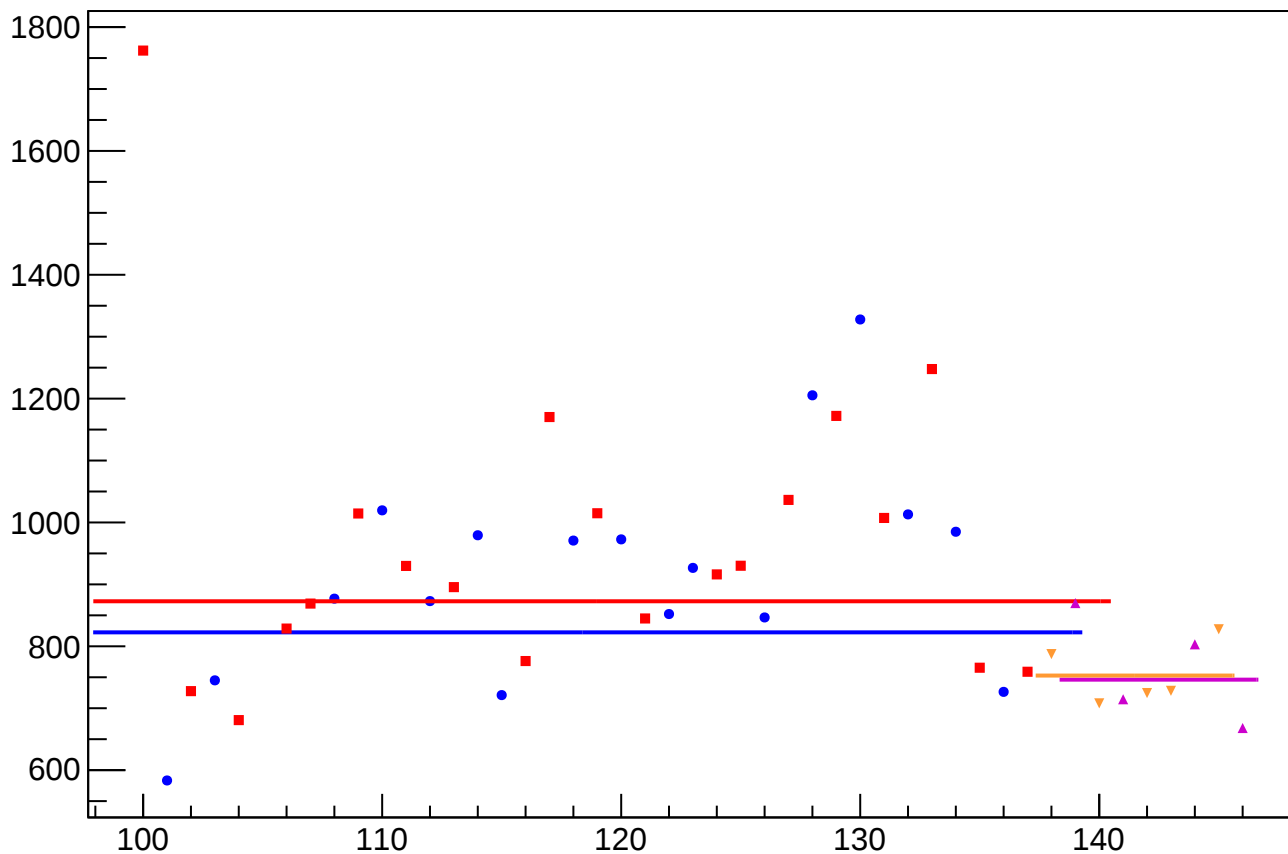
Right Out: 591.948+/-331.825 χ^2/NDF : 15.9/19

Left In: -88.164+/-417.963 χ^2/NDF : 2.4/3

321.489+/-256.520 χ^2/NDF : 24.3/21

329.008+/-259.882 χ^2/NDF : 19.9/23

asym_right_avg_correction_rms vs Slug



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

Left Out: 752.758 ± 0.292 χ^2/NDF : 24376.1/4

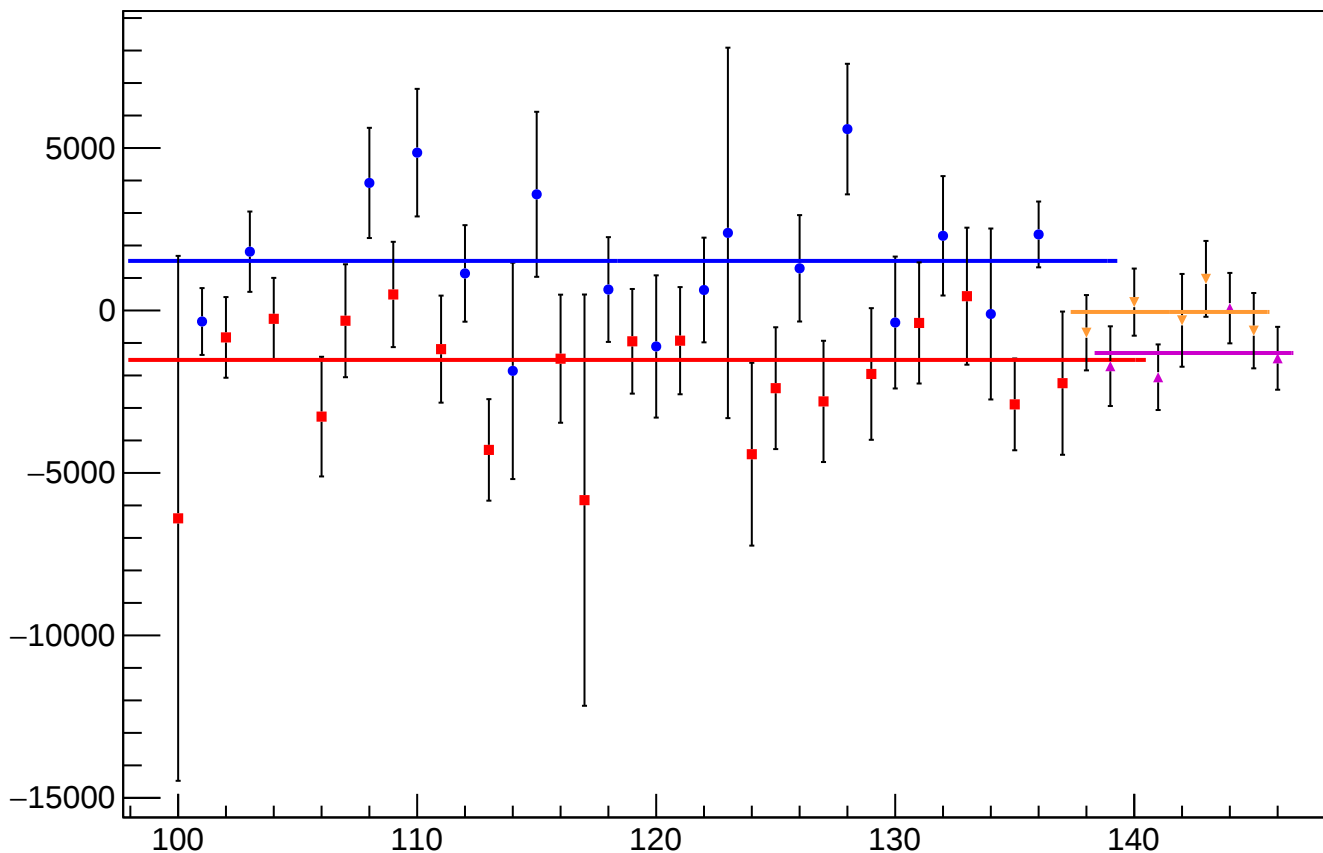
Right Out: 872.719 ± 0.235 χ^2/NDF : 412481.2/19

Left In: 746.146 ± 0.296 χ^2/NDF : 63261.0/3

795.539 ± 0.181 χ^2/NDF : 660423.6/21

823.784 ± 0.184 χ^2/NDF : 588247.9/23

asym_right_avg_mean vs Slug



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

Left Out: -45.560+/-523.427 χ^2/NDF : 1.4/4

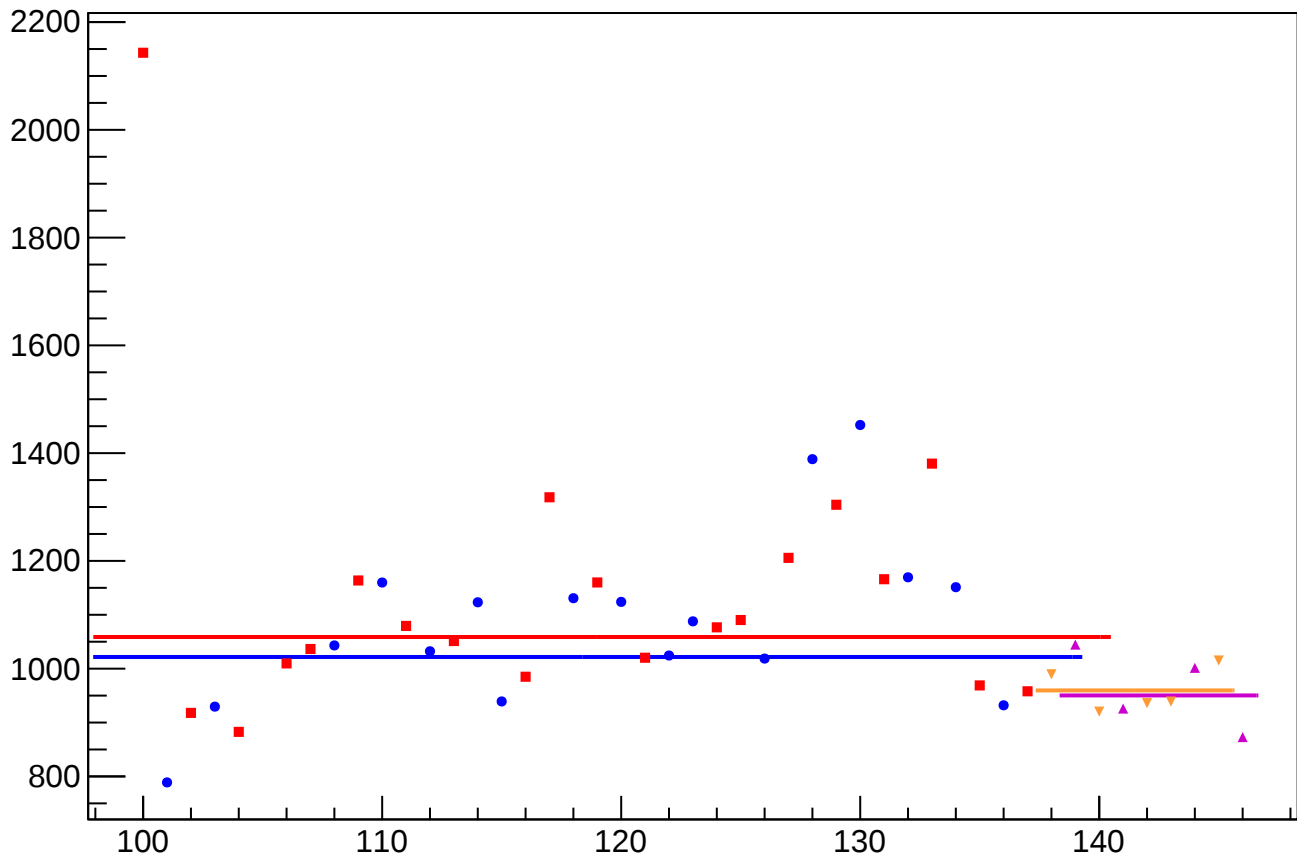
Right Out: -1521.641+/-399.157 χ^2/NDF : 12.6/19

Left In: -1308.436+/-529.578 χ^2/NDF : 2.3/3

942.999+/-318.714 χ^2/NDF : 25.3/21

-1444.400+/-318.754 χ^2/NDF : 15.0/23

asym_right_avg_rms vs Slug



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

Left Out: 959.605+/-0.370 χ^2/NDF : 10010.6/4

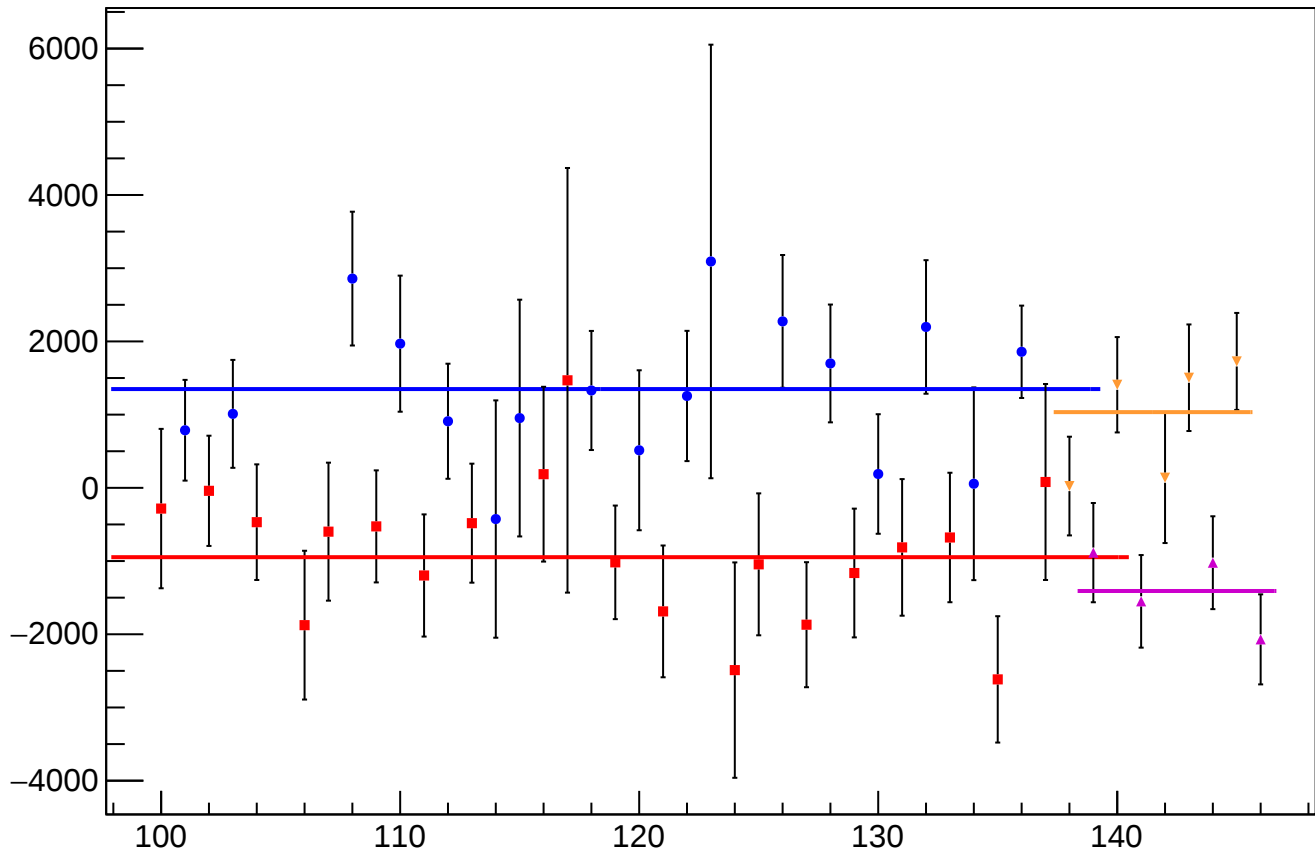
Right Out: 1058.783+/-0.282 χ^2/NDF : 234314.8/19

Left In: 950.293+/-0.374 χ^2/NDF : 30240.7/3

998.656+/-0.225 χ^2/NDF : 359650.8/21

1019.479+/-0.225 χ^2/NDF : 318082.6/23

reg_asym_right_dd_mean vs Slug



Right In: 1349.156 ± 218.361 χ^2/NDF : 12.3/16

Left Out: 1034.219 ± 316.522 χ^2/NDF : 5.1/4

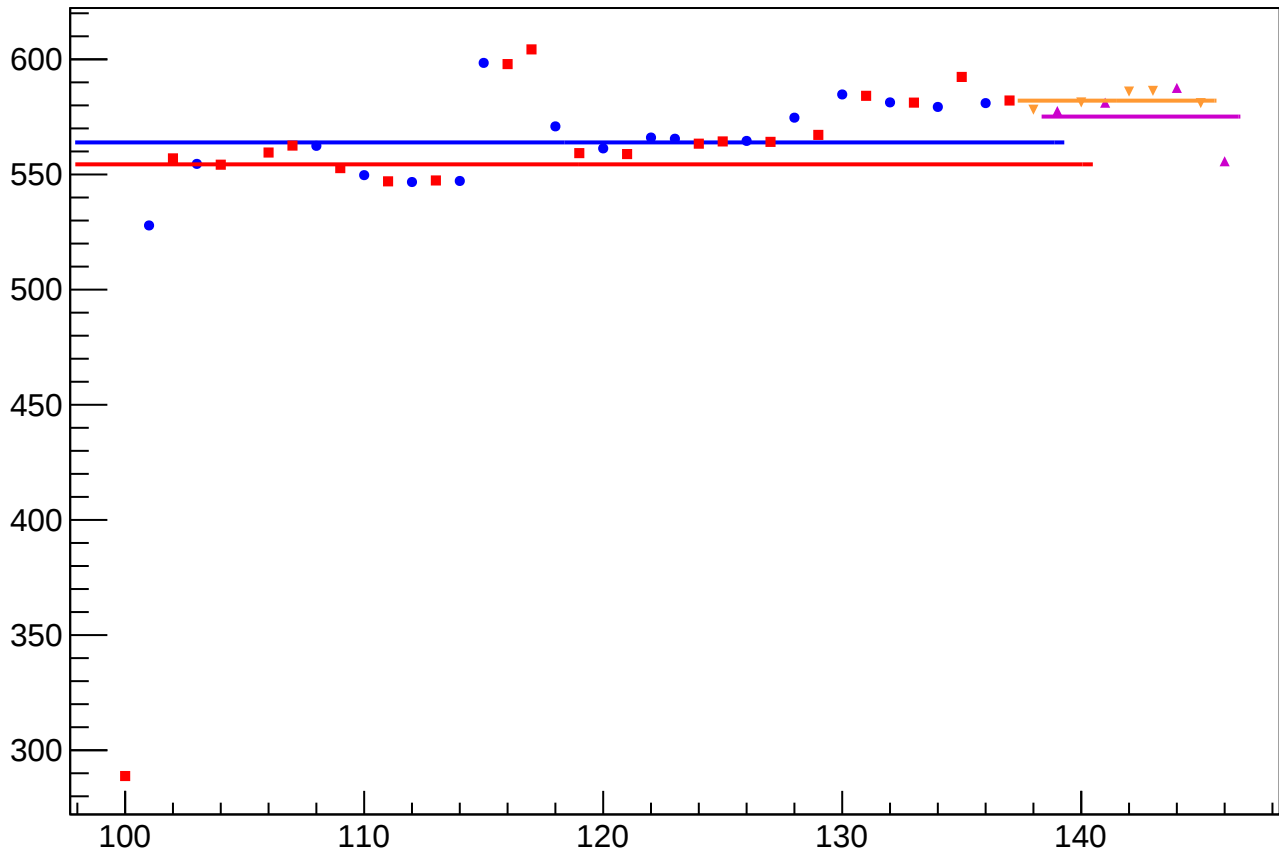
Right Out: -947.051 ± 207.609 χ^2/NDF : 12.9/19

Left In: -1408.950 ± 319.301 χ^2/NDF : 2.2/3

1247.600 ± 179.739 χ^2/NDF : 18.1/21

-1084.299 ± 174.052 χ^2/NDF : 16.6/23

reg_asym_right_dd_rms vs Slug



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

Left Out: 582.064 $\pm$ 0.224 χ^2 /NDF:183.2/4

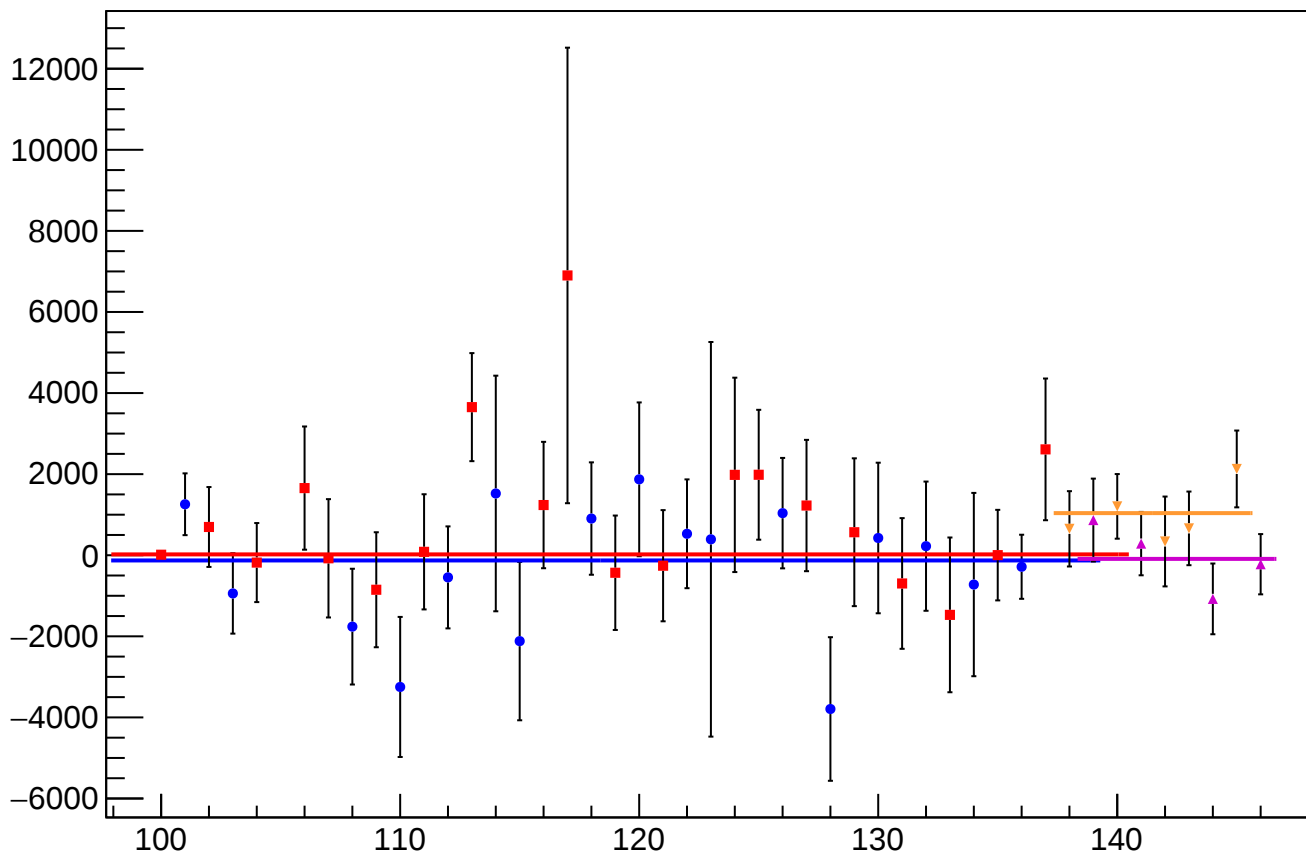
Right Out: 554.402 $\pm$ 0.147 χ^2 /NDF: 132560.6/19

Left In: 575.143 $\pm$ 0.226 χ^2 /NDF:2968.4/3

569.772 $\pm$ 0.127 χ^2 /NDF: 17297.8/21

560.565 $\pm$ 0.123 χ^2 /NDF: 141460.4/23

asym_right_dd_correction_mean vs Slug



Right In: -128.725+/-327.688 χ^2 /NDF: 17.2/16

Left Out: 1038.943+/-412.588 χ^2 /NDF: 2.1/4

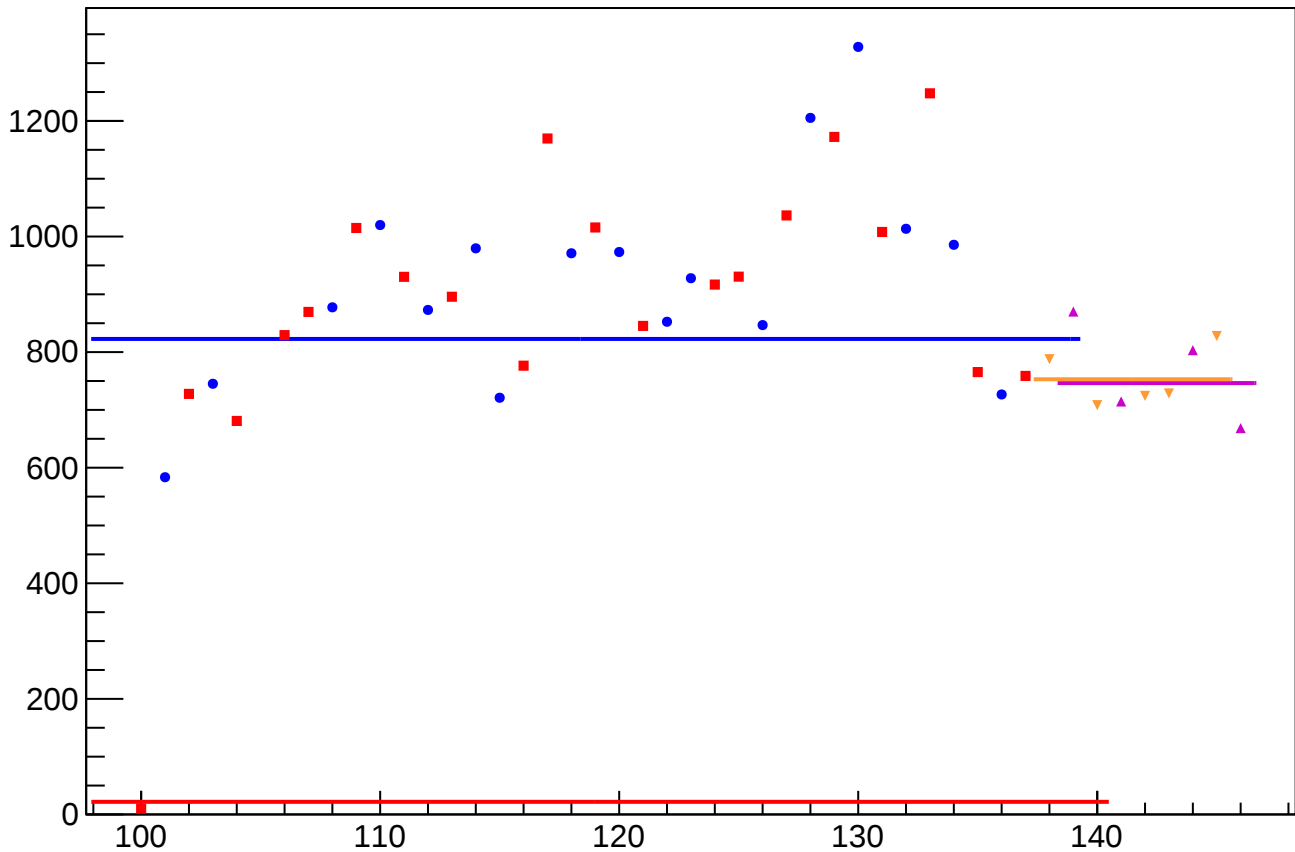
Right Out: 20.715+/-38.953 χ^2 /NDF: 17.6/19

Left In: -90.264+/-418.126 χ^2 /NDF: 2.4/3

322.931+/-256.602 χ^2 /NDF: 24.2/21

19.760+/-38.785 χ^2 /NDF: 20.1/23

asym_right_dd_correction_rms vs Slug



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

Left Out: 753.005+/-0.292 χ^2/NDF :24410.2/4

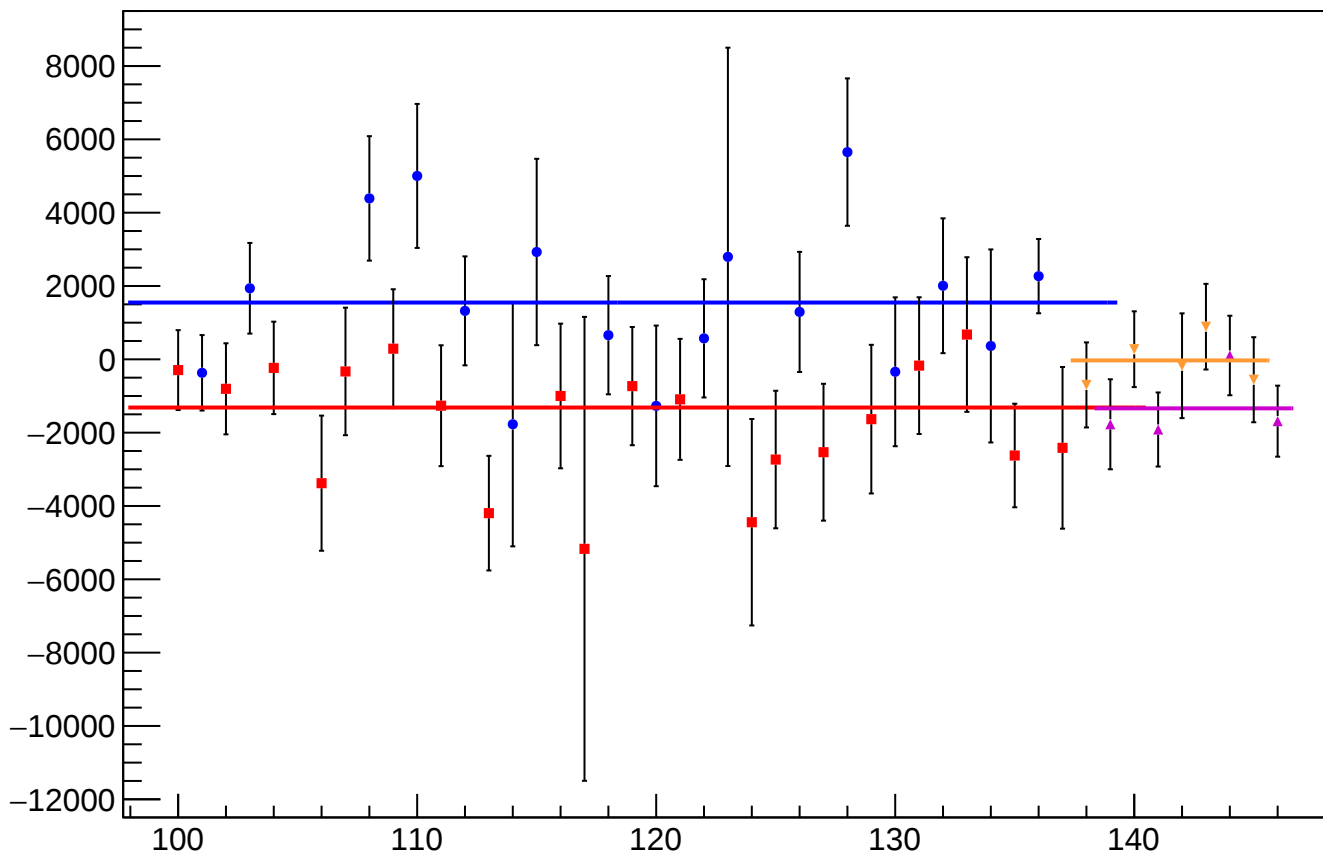
795.791+/-0.181 χ^2/NDF : 660359.2/21

Right Out: 21.867+/-0.028 χ^2/NDF : 13607091.0/19

28.102+/-0.027 χ^2/NDF : 19624472.7/23

Left In: 746.440+/-0.296 χ^2/NDF :63138.5/3

asym_right_dd_mean vs Slug



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

Left Out: -29.548 ± 523.763 χ^2/NDF : 1.3/4

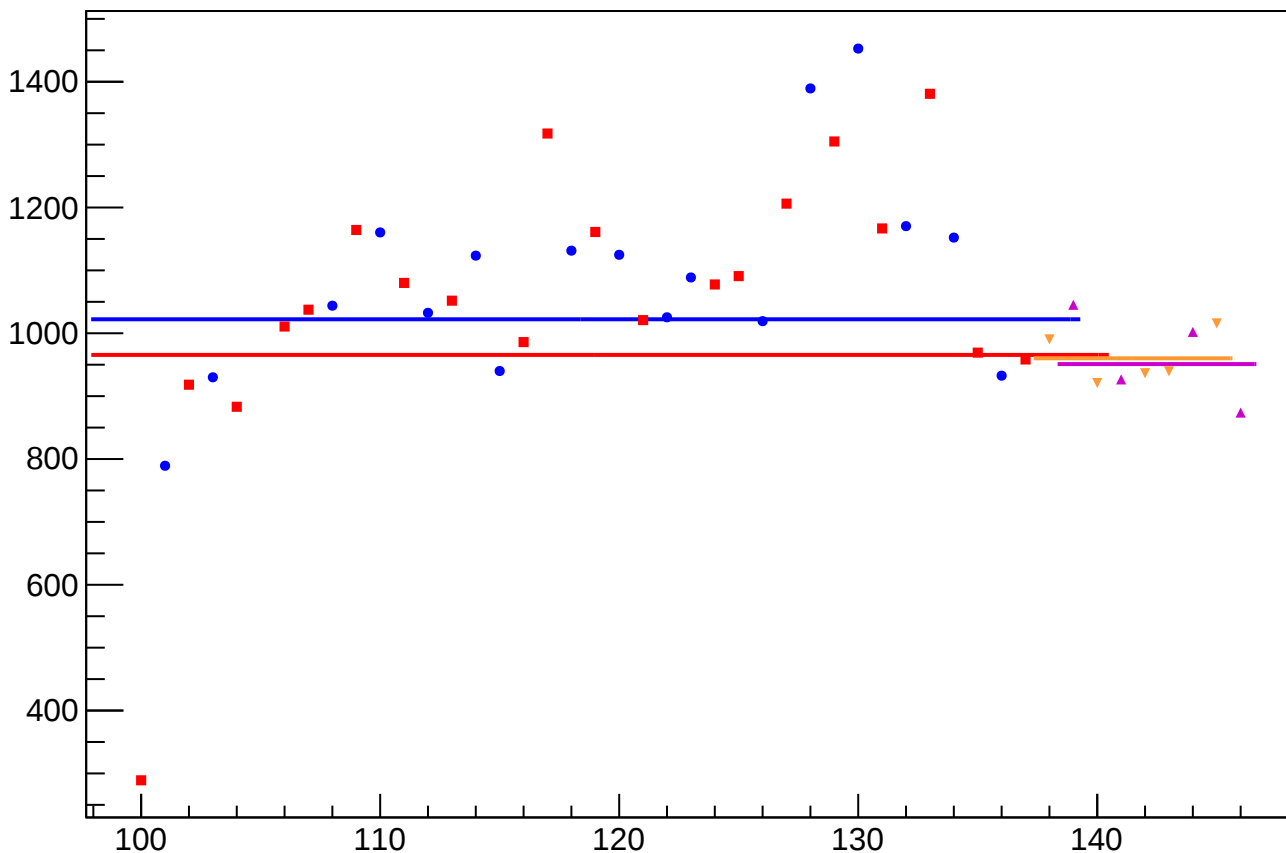
Right Out: -1314.562 ± 375.381 χ^2/NDF : 12.9/19

Left In: -1337.116 ± 529.967 χ^2/NDF : 2.3/3

963.722 ± 318.902 χ^2/NDF : 25.9/21

-1322.097 ± 306.323 χ^2/NDF : 15.3/23

asym_right_dd_rms vs Slug



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

Left Out: 960.219+/-0.370 χ^2/NDF :9992.2/4

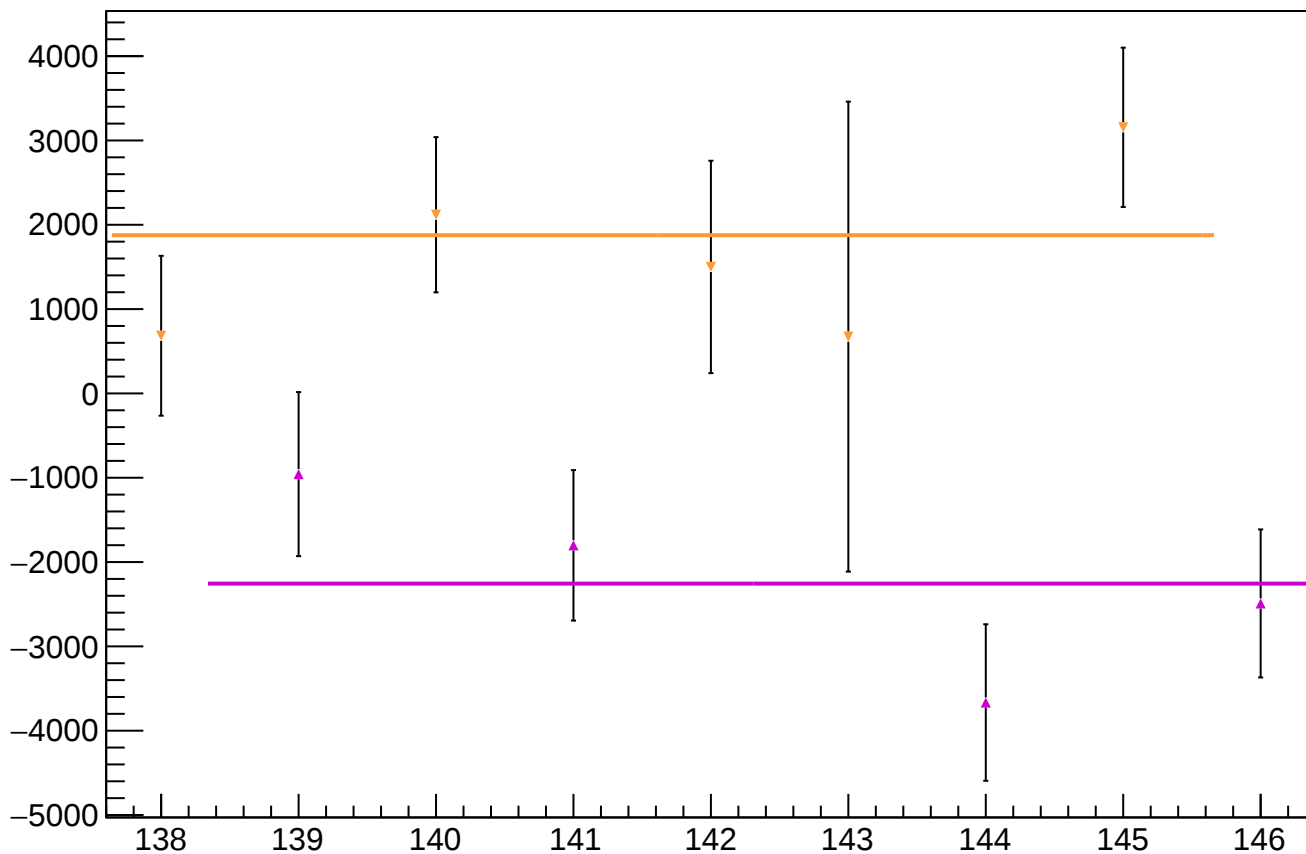
Right Out: 965.574+/-0.265 χ^2/NDF : 1073497.1/19

Left In: 950.999+/-0.375 χ^2/NDF :30131.2/3

999.249+/-0.225 χ^2/NDF : 359506.3/21

960.705+/-0.217 χ^2/NDF : 1104635.4/23

cor_asym_us_avg_mean vs Slug



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

Left Out: 1876.754+/-489.519 χ^2/NDF : 3.8/4

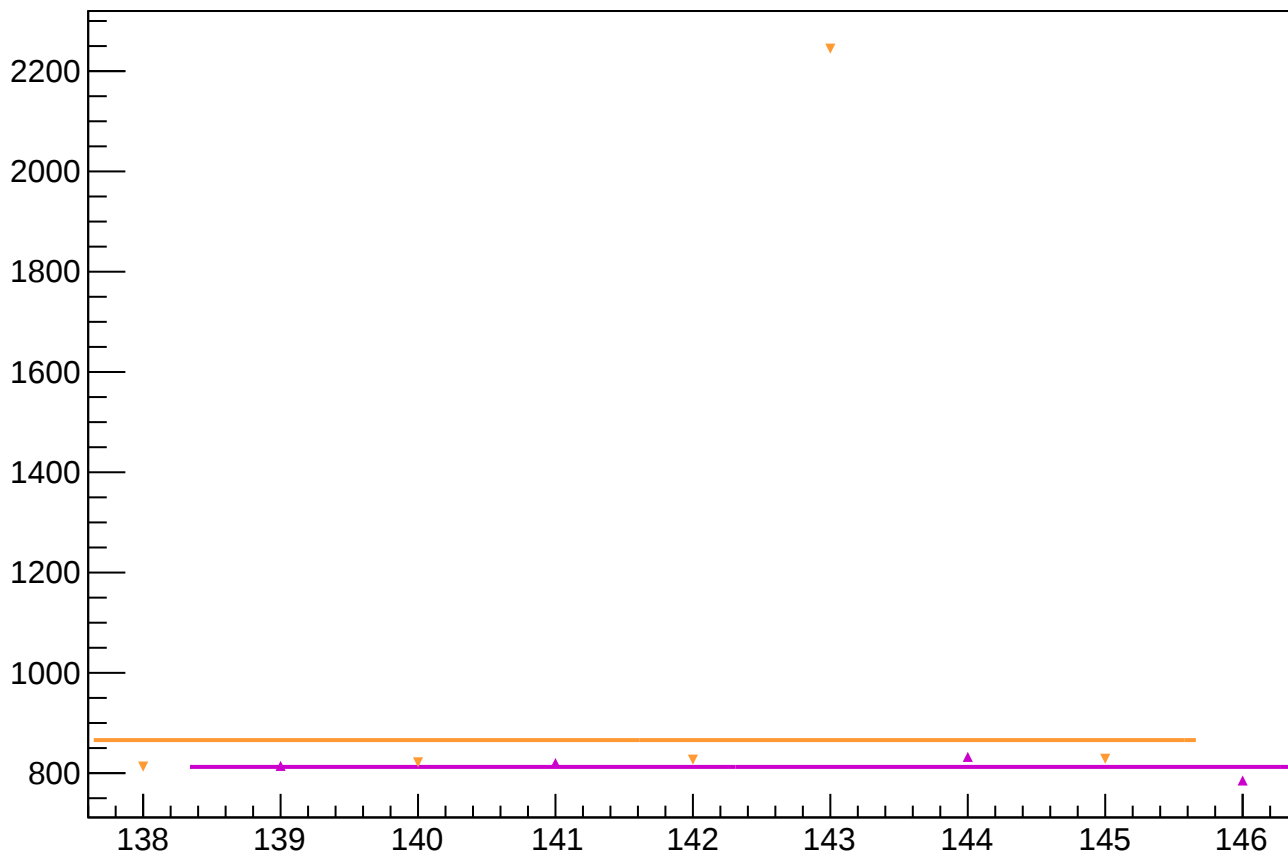
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2255.640+/-457.867 χ^2/NDF : 4.4/3

1876.754+/-489.519 χ^2/NDF : 3.8/4

-2255.640+/-457.867 χ^2/NDF : 4.4/3

cor_asym_us_avg_rms vs Slug



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

Left Out: 865.904+/-0.346 χ^2/NDF : 505560.6/4

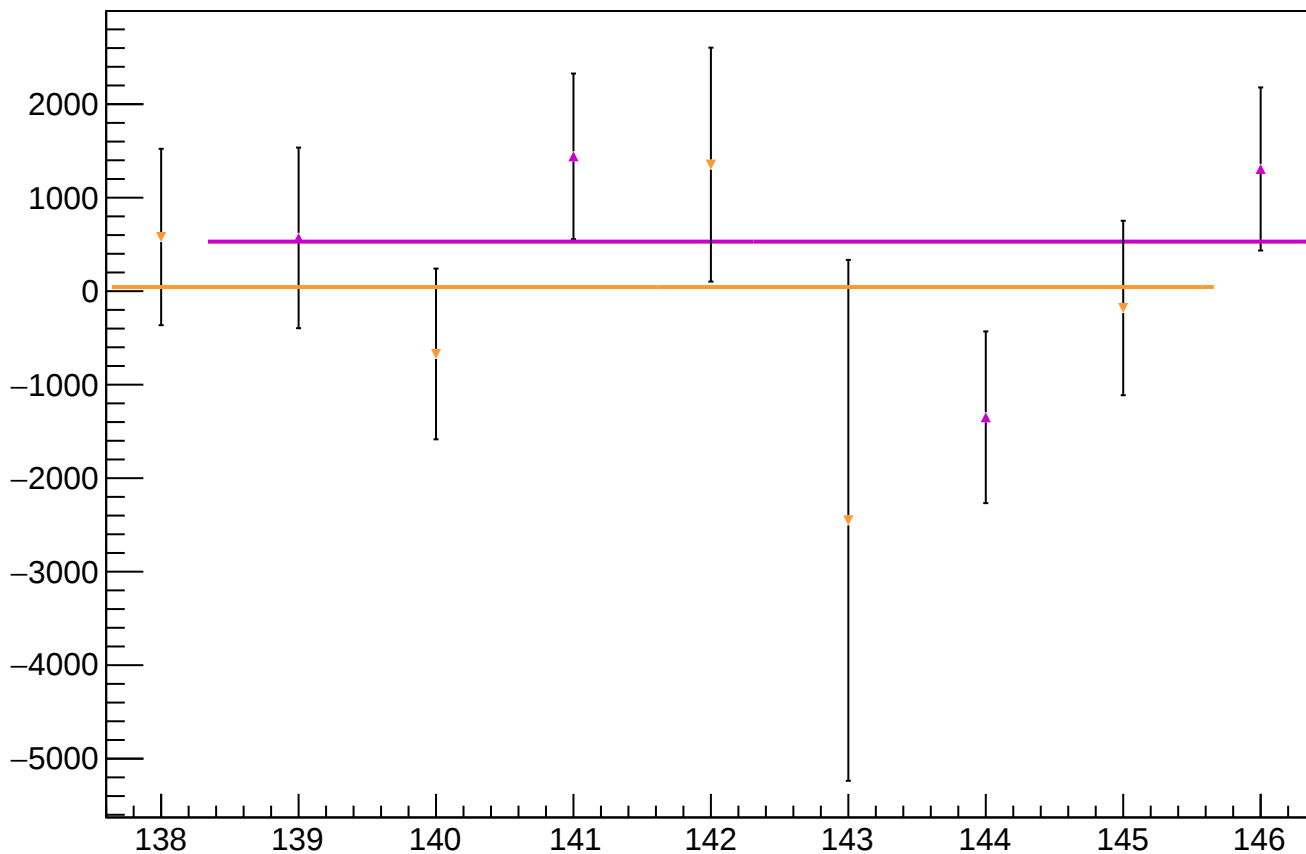
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 812.420+/-0.324 χ^2/NDF : 2991.3/3

865.904+/-0.346 χ^2/NDF : 505560.6/4

812.420+/-0.324 χ^2/NDF : 2991.3/3

cor_asym_us_dd_mean vs Slug



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

Left Out: 44.363+/-485.643 χ^2/NDF : 2.9/4

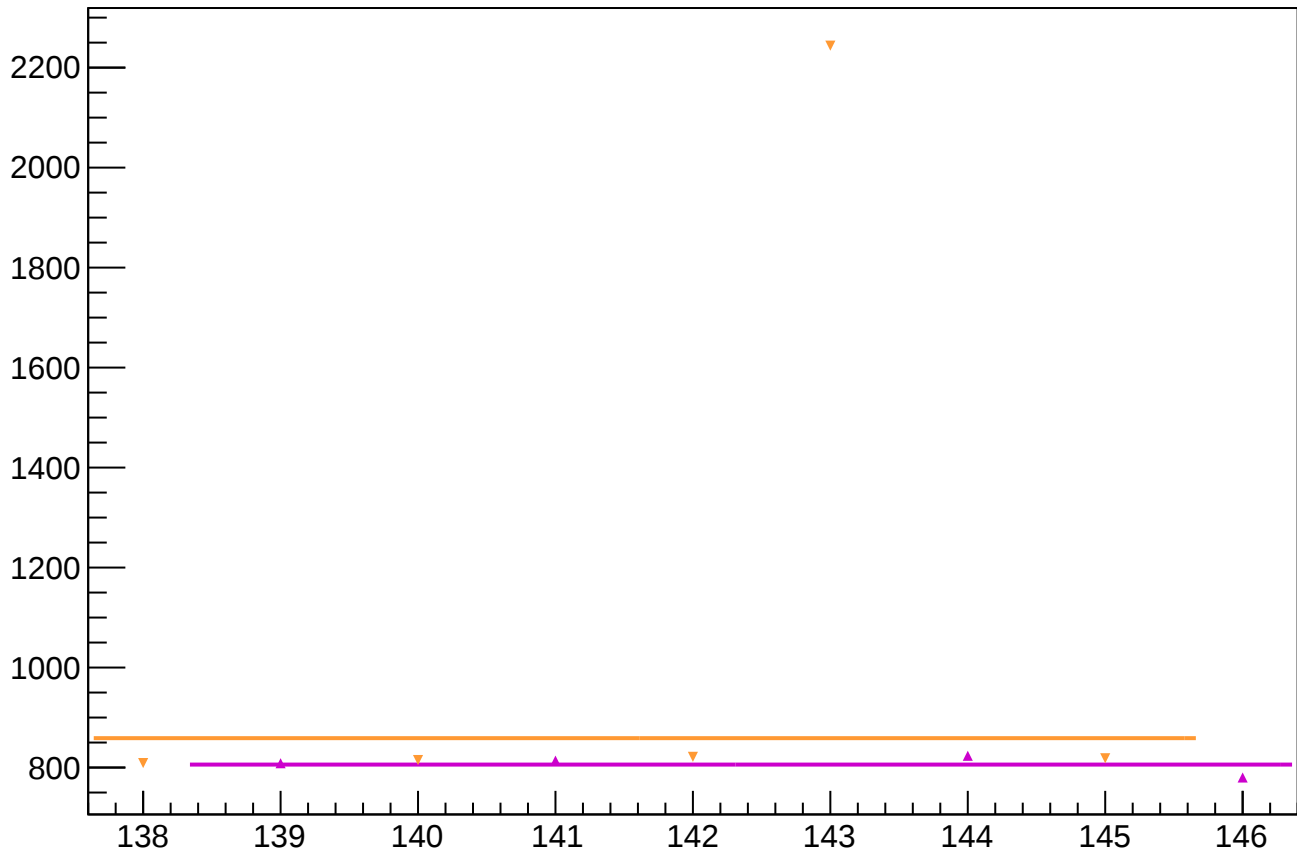
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 529.976+/-454.170 χ^2/NDF : 6.0/3

44.363+/-485.643 χ^2/NDF : 2.9/4

529.976+/-454.170 χ^2/NDF : 6.0/3

cor_asym_us_dd_rms vs Slug



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

Left Out: 858.766+/-0.343 χ^2/NDF : 510170.9/4

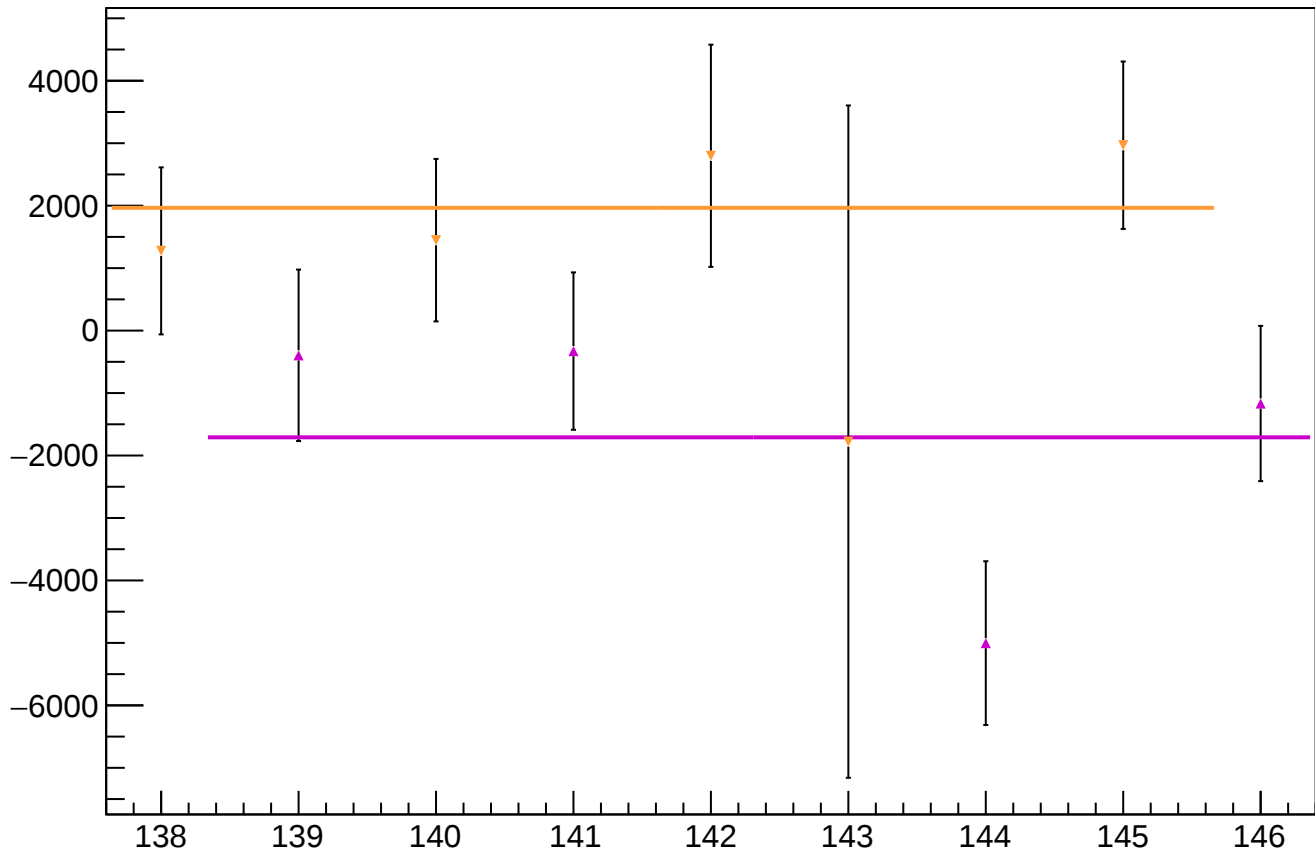
858.766+/-0.343 χ^2/NDF : 510170.9/4

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

805.919+/-0.321 χ^2/NDF : 2666.1/3

Left In: 805.919+/-0.321 χ^2/NDF : 2666.1/3

cor_asym_usl_mean vs Slug



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

Left Out: 1965.717+/-697.073 χ^2/NDF : 1.7/4

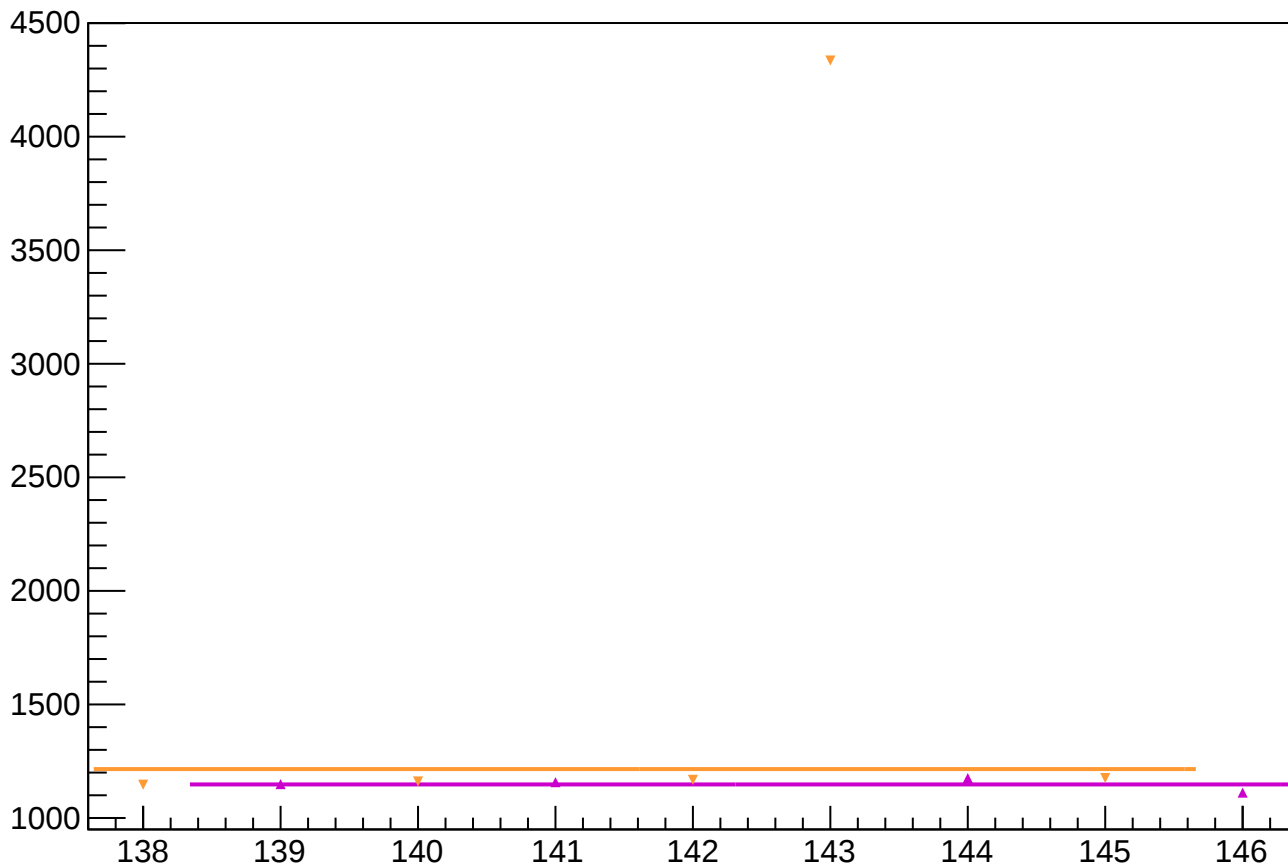
1965.717+/-697.073 χ^2/NDF : 1.7/4

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

-1708.560+/-646.856 χ^2/NDF : 8.6/3

Left In: -1708.560+/-646.856 χ^2/NDF : 8.6/3

cor_asym_usl_rms vs Slug



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

Left Out: 1215.372+/-0.493 χ^2/NDF : 684065.6/4

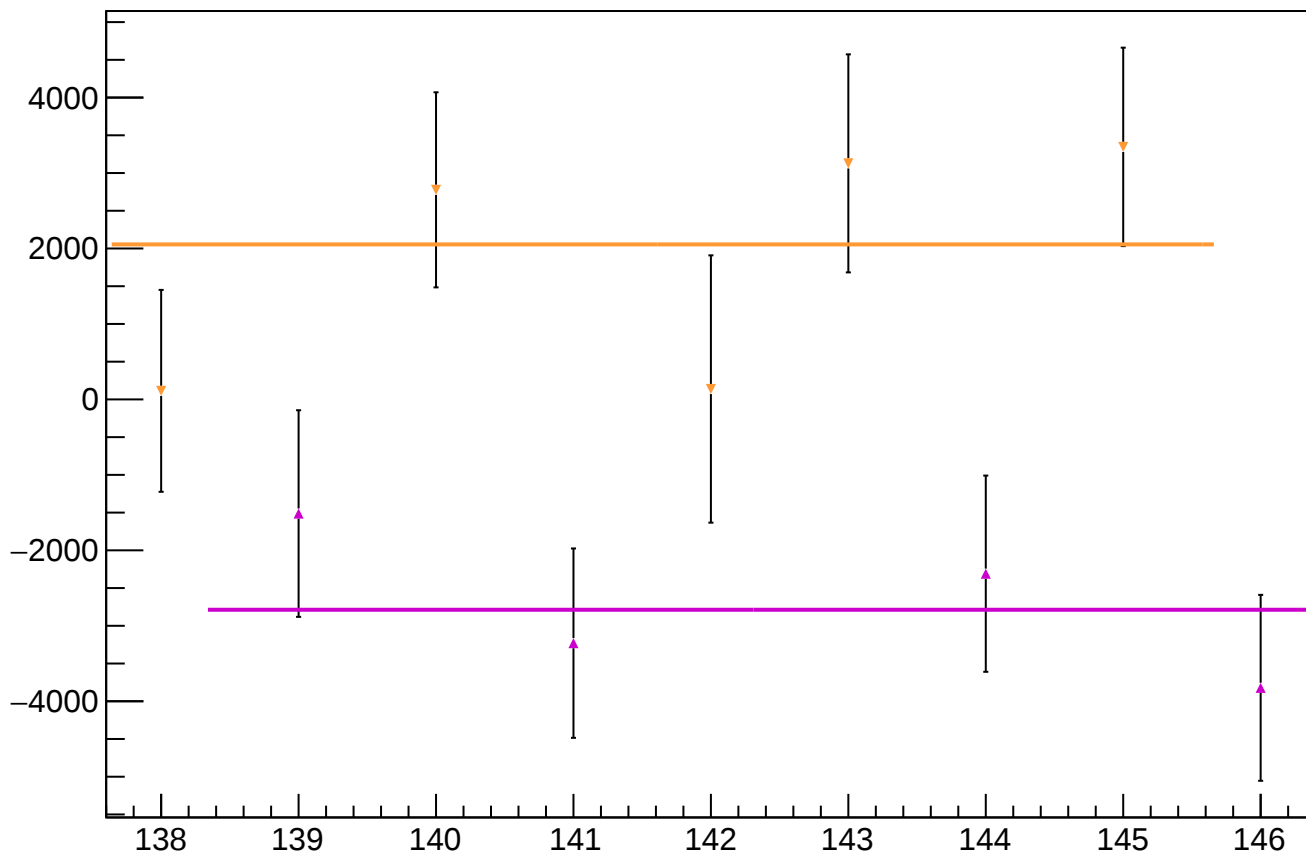
1215.372+/-0.493 χ^2/NDF : 684065.6/4

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

1147.812+/-0.457 χ^2/NDF : 2714.0/3

Left In: 1147.812+/-0.457 χ^2/NDF : 2714.0/3

cor_asym_usr_mean vs Slug



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

Left Out: 2053.977+/-628.246 χ^2/NDF : 5.1/4

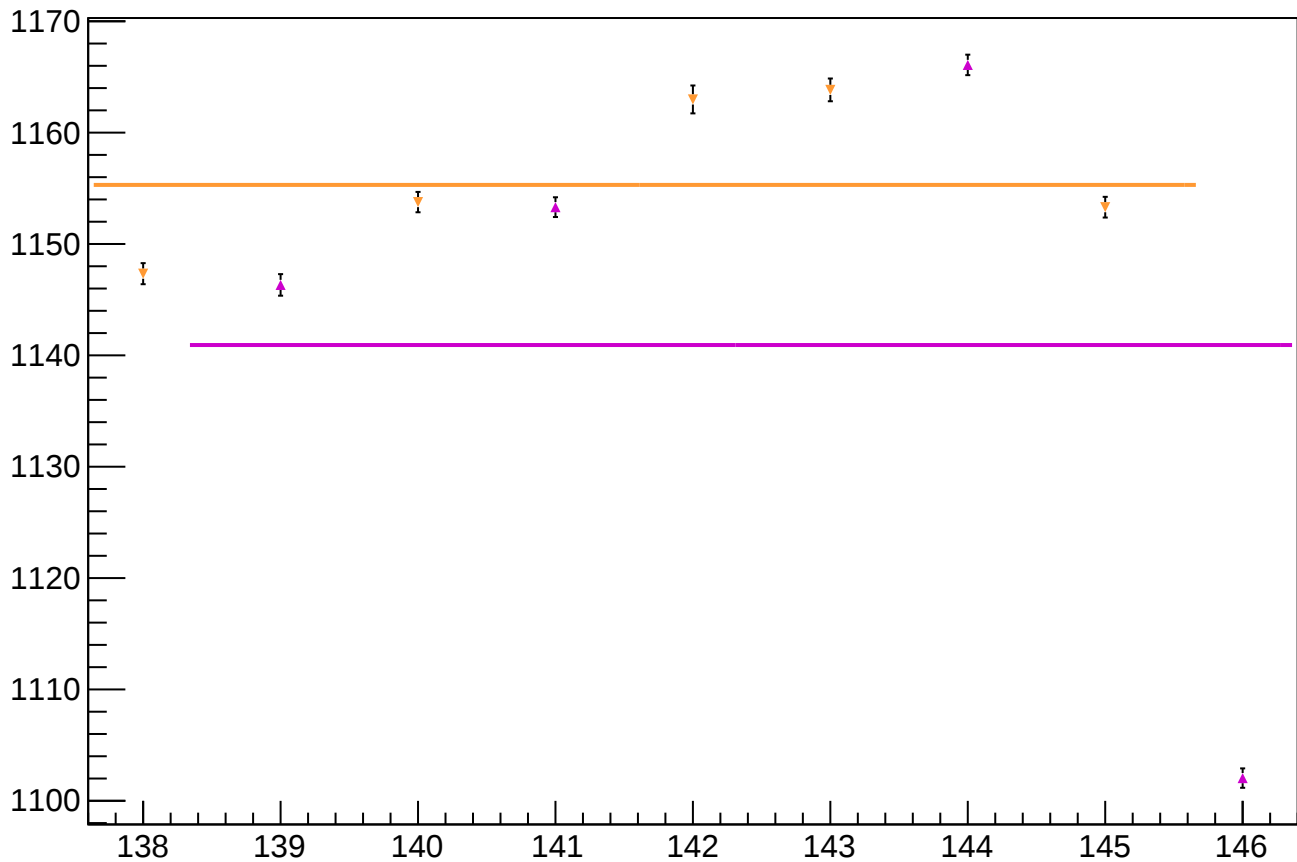
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2787.390+/-642.990 χ^2/NDF : 1.8/3

2053.977+/-628.246 χ^2/NDF : 5.1/4

-2787.390+/-642.990 χ^2/NDF : 1.8/3

cor_asym_usr_rms vs Slug



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

Left Out: 1155.305+/-0.444 χ^2/NDF : 185.8/4

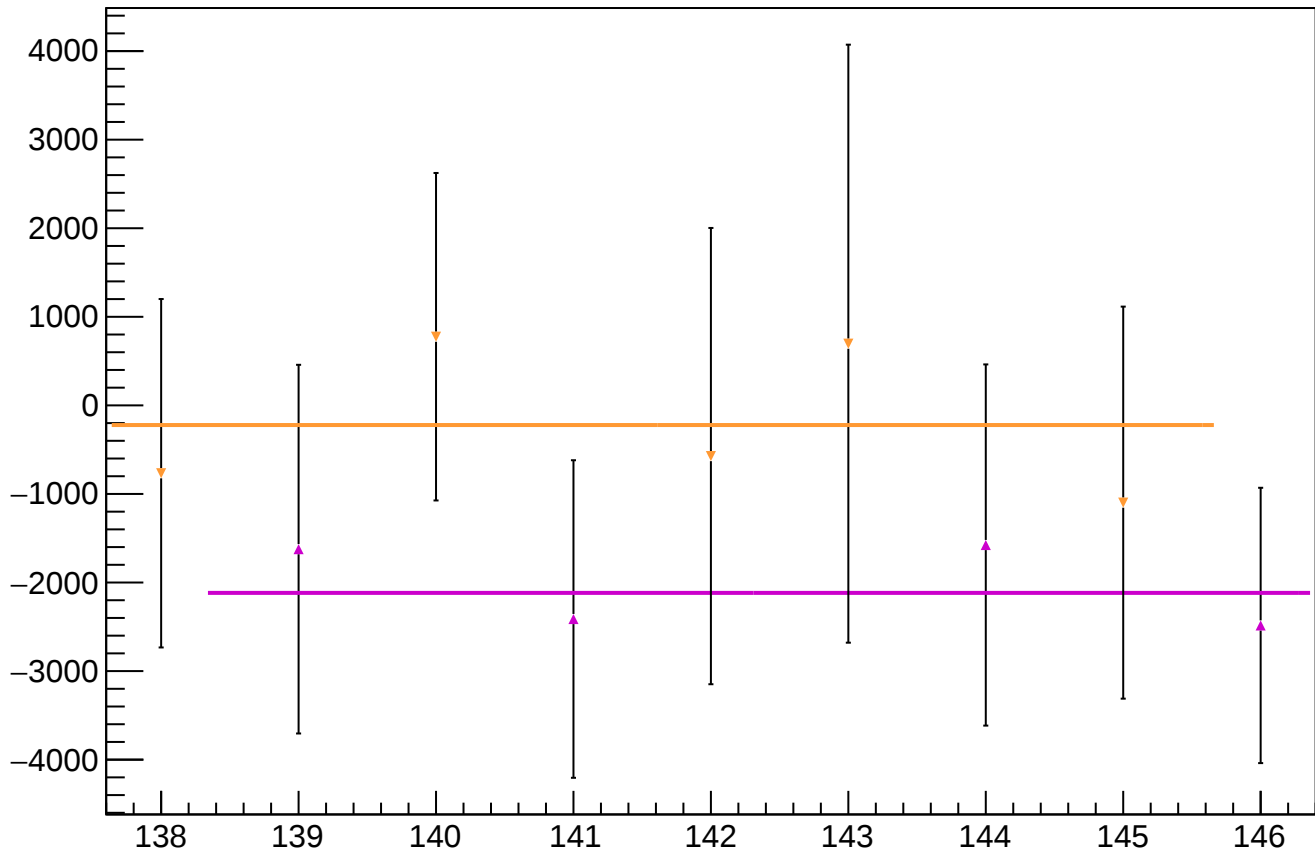
1155.305+/-0.444 χ^2/NDF : 185.8/4

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

1140.927+/-0.455 χ^2/NDF : 2966.9/3

Left In: 1140.927+/-0.455 χ^2/NDF : 2966.9/3

asym_us_agg_avg_mean vs Slug



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

Left Out: -221.999+/-1003.181 χ^2/NDF : 0.6/4

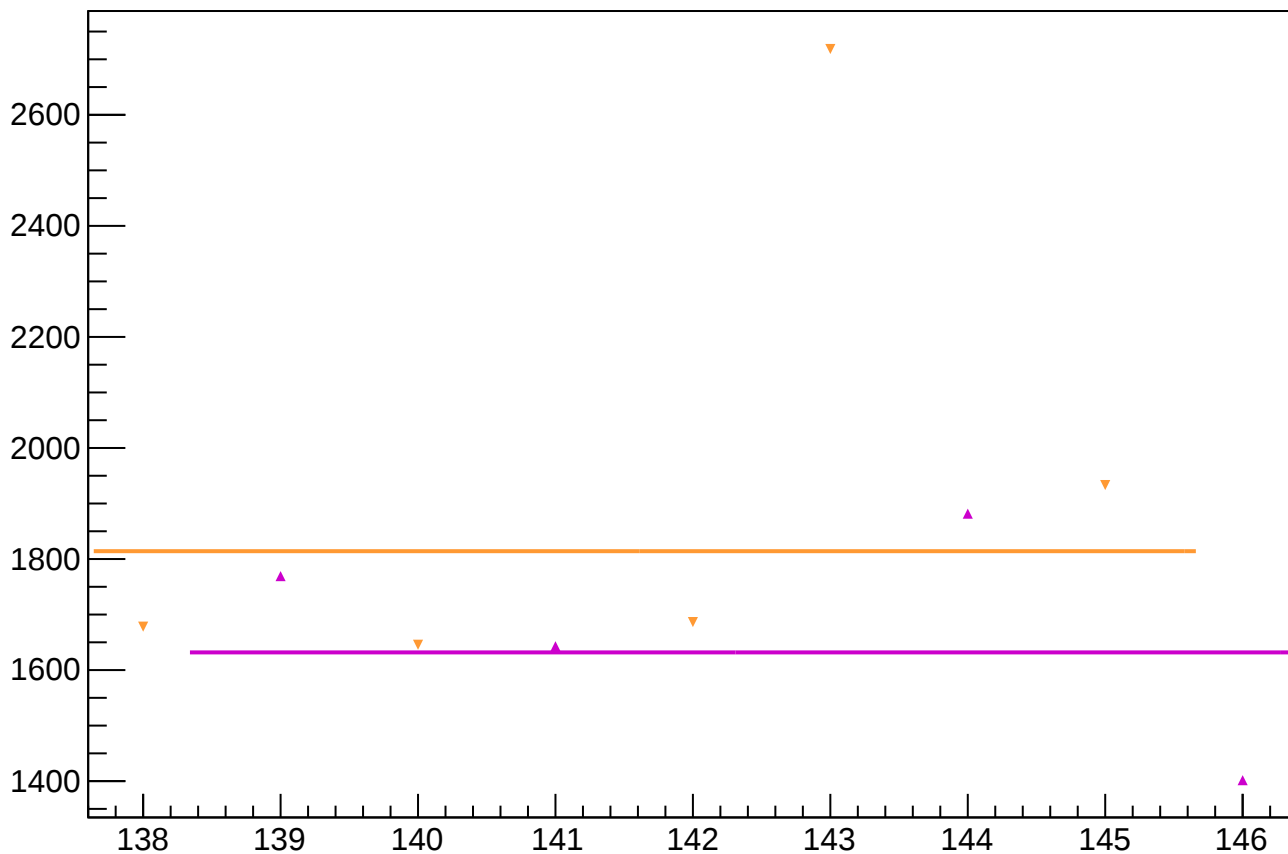
-221.999+/-1003.181 χ^2/NDF : 0.6/4

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

-2117.055+/-914.211 χ^2/NDF : 0.2/3

Left In: -2117.055+/-914.211 χ^2/NDF : 0.2/3

asym_us_agg_avg_rms vs Slug



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

1814.127+/-0.709 χ^2/NDF : 180418.8/4

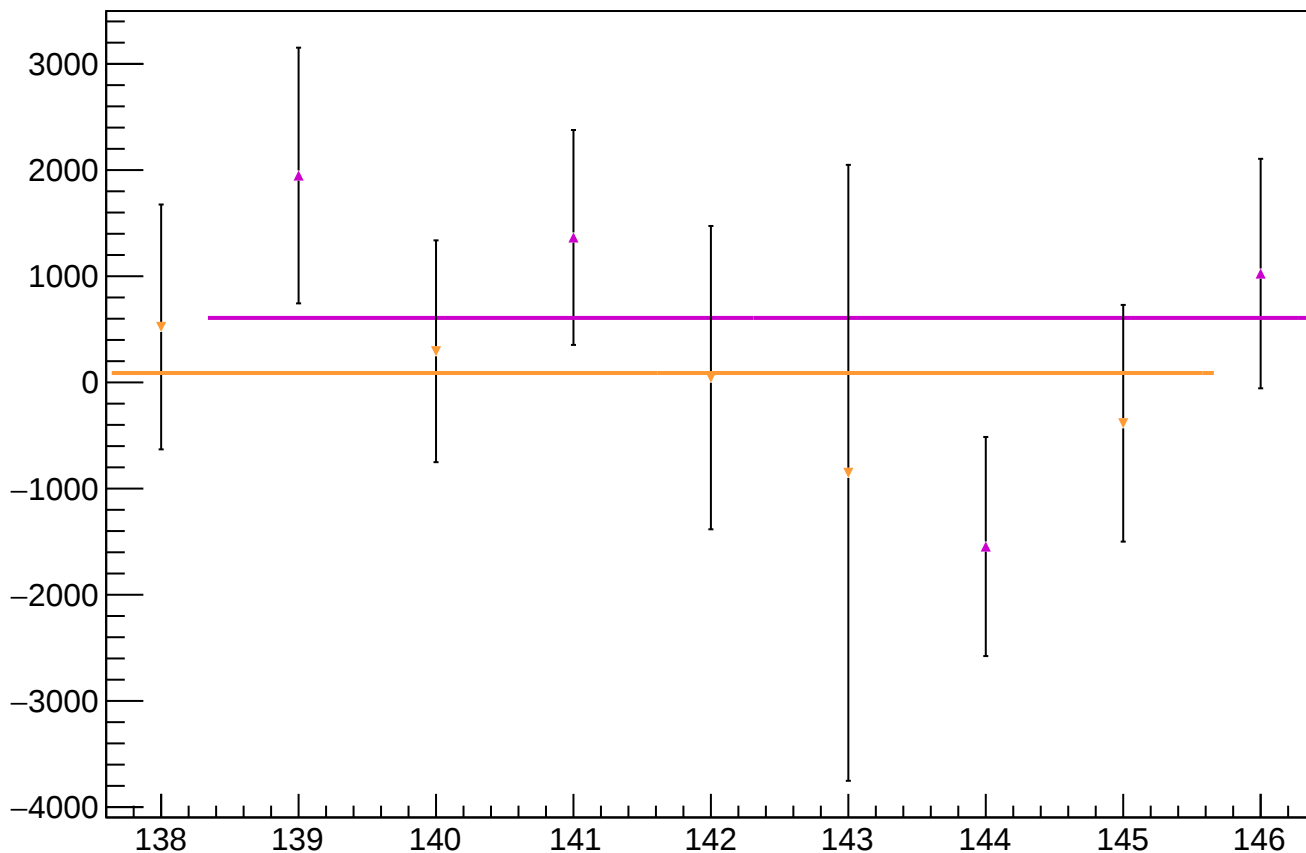
Left Out: 1814.127+/-0.709 χ^2/NDF : 180418.8/4

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

1631.838+/-0.646 χ^2/NDF : 82680.3/3

Left In: 1631.838+/-0.646 χ^2/NDF : 82680.3/3

asym_us_agg_dd_mean vs Slug



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

Left Out: 88.576+/-569.612 χ^2/NDF : 0.5/4

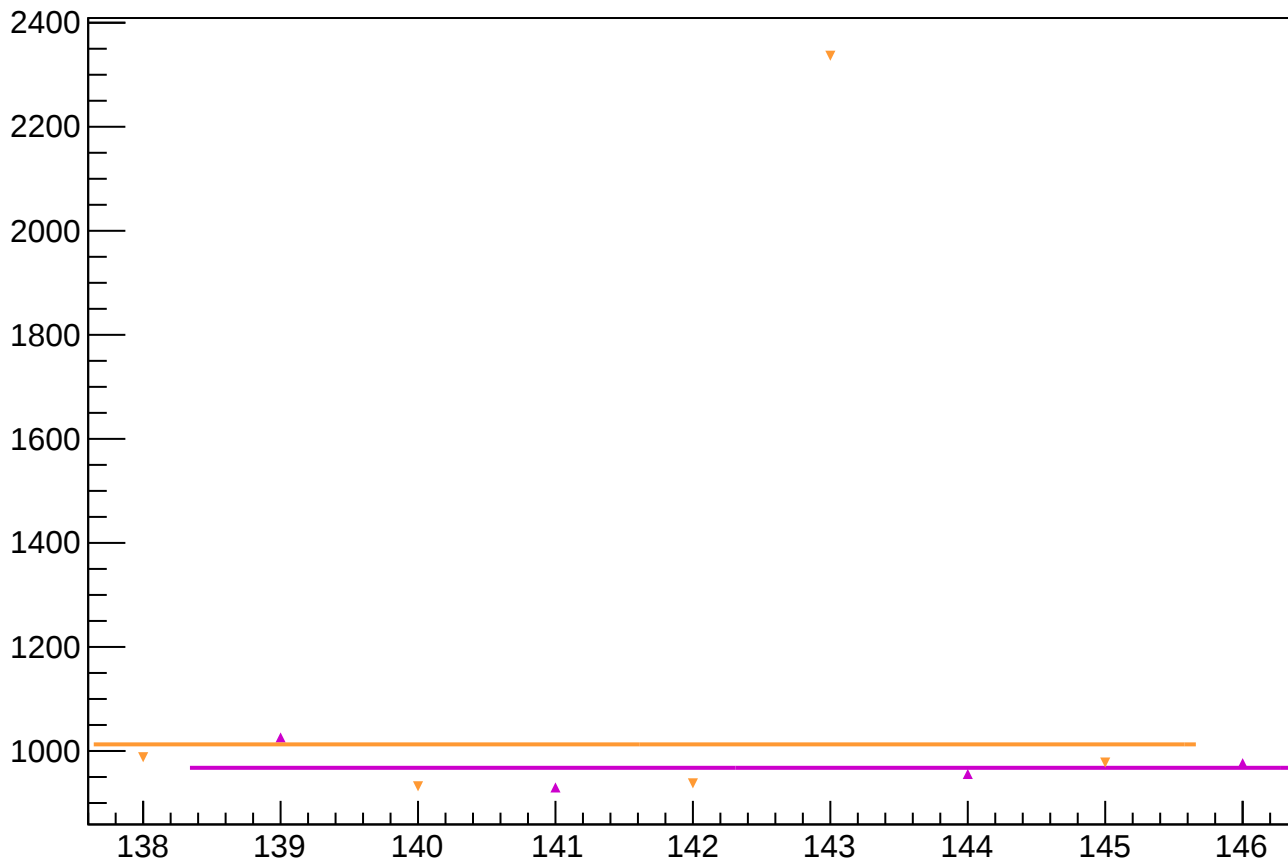
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 607.465+/-537.521 χ^2/NDF : 6.3/3

88.576+/-569.612 χ^2/NDF : 0.5/4

607.465+/-537.521 χ^2/NDF : 6.3/3

asym_us_agg_dd_rms vs Slug



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

Left Out: 1012.714+/-0.403 χ^2/NDF : 436890.9/4

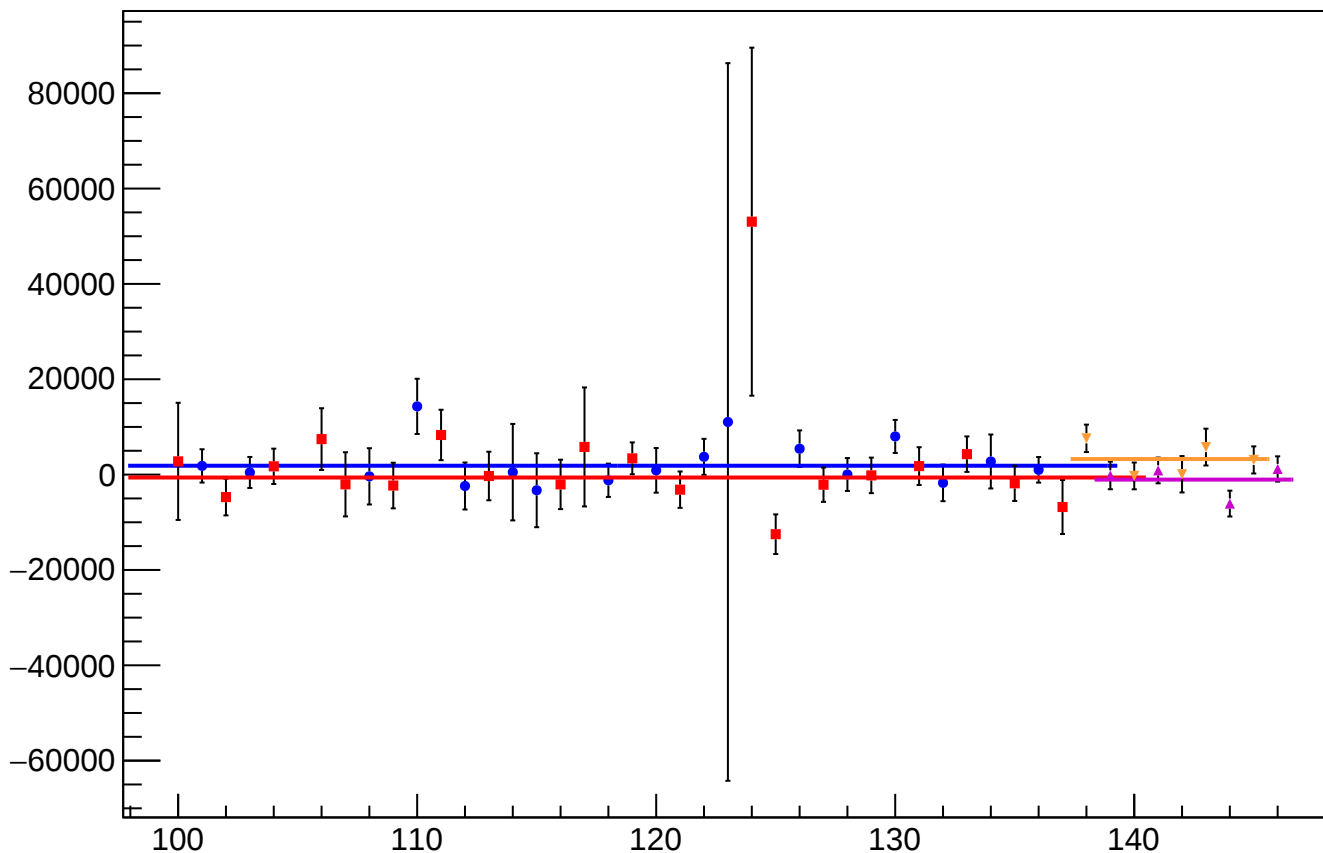
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 967.650+/-0.380 χ^2/NDF : 7871.5/3

1012.714+/-0.403 χ^2/NDF : 436890.9/4

967.650+/-0.380 χ^2/NDF : 7871.5/3

reg_asym_atl1_mean vs Slug



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

Left Out: 3266.196 $\pm$ 1404.408 χ^2 /NDF: 5.0/4

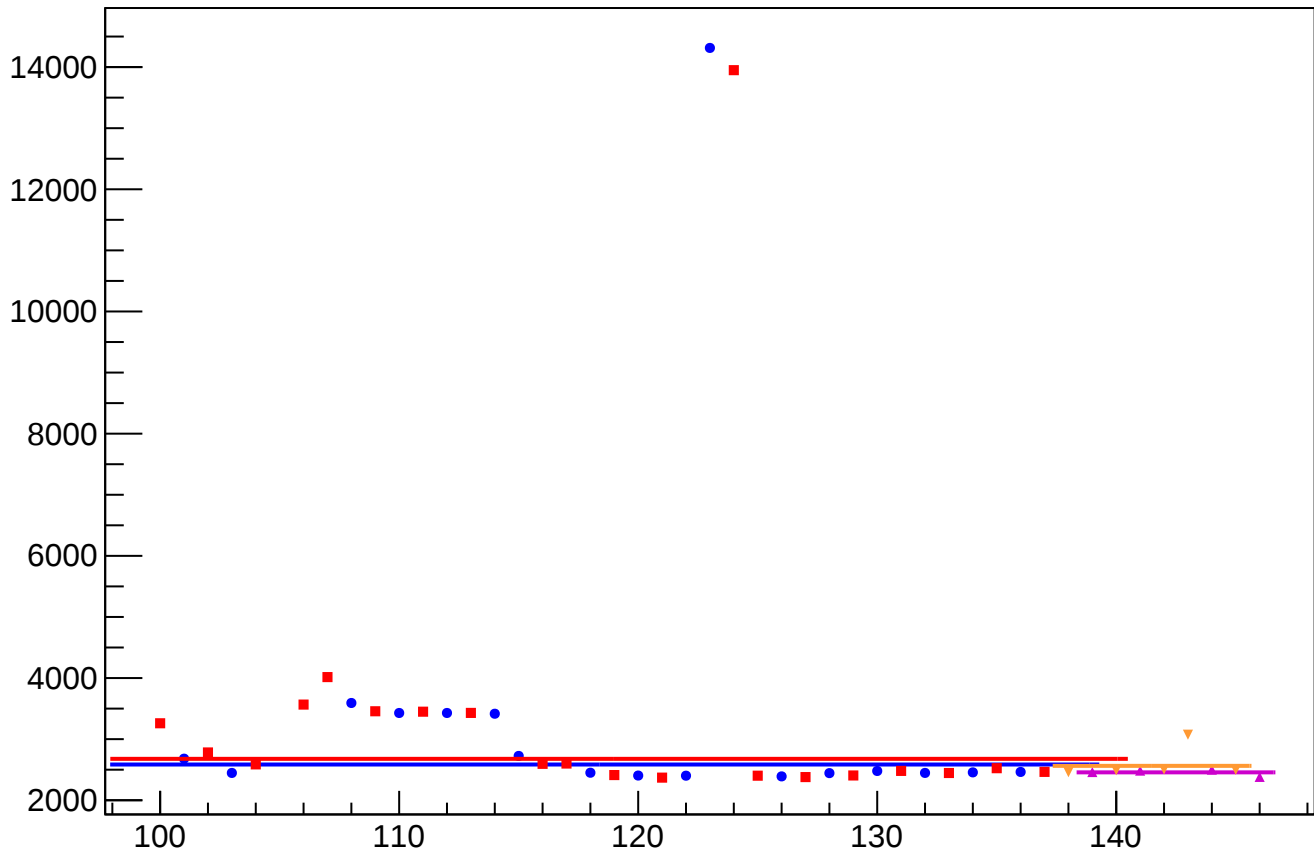
Right Out: -611.041 $\pm$ 1020.345 χ^2 /NDF: 22.3/19

Left In: -1049.808 $\pm$ 1367.612 χ^2 /NDF: 4.8/3

2341.354 $\pm$ 821.811 χ^2 /NDF: 18.2/21

-767.939 $\pm$ 817.813 χ^2 /NDF: 27.2/23

reg_asym_atl1_rms vs Slug



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

Left Out: 2562.905+/-0.993 χ^2/NDF : 40467.6/4

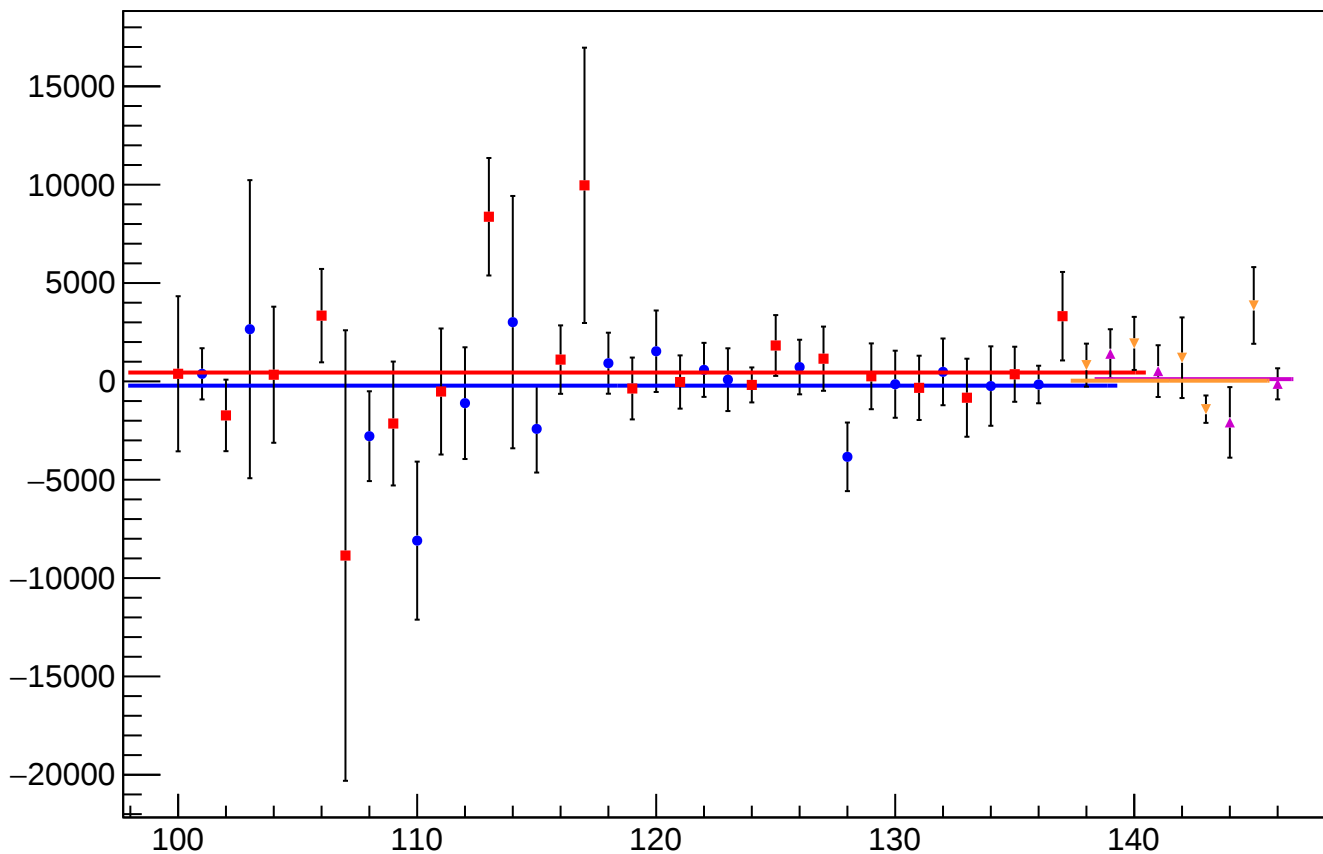
Right Out: 2677.711+/-0.721 χ^2/NDF : 532173.5/19

Left In: 2456.488+/-0.967 χ^2/NDF : 2339.8/3

2577.315+/-0.581 χ^2/NDF : 296498.2/21

2598.604+/-0.578 χ^2/NDF : 568131.7/23

asym_atl1_correction_mean vs Slug



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

Left Out: 35.023 ± 503.001 χ^2/NDF : 11.0/4

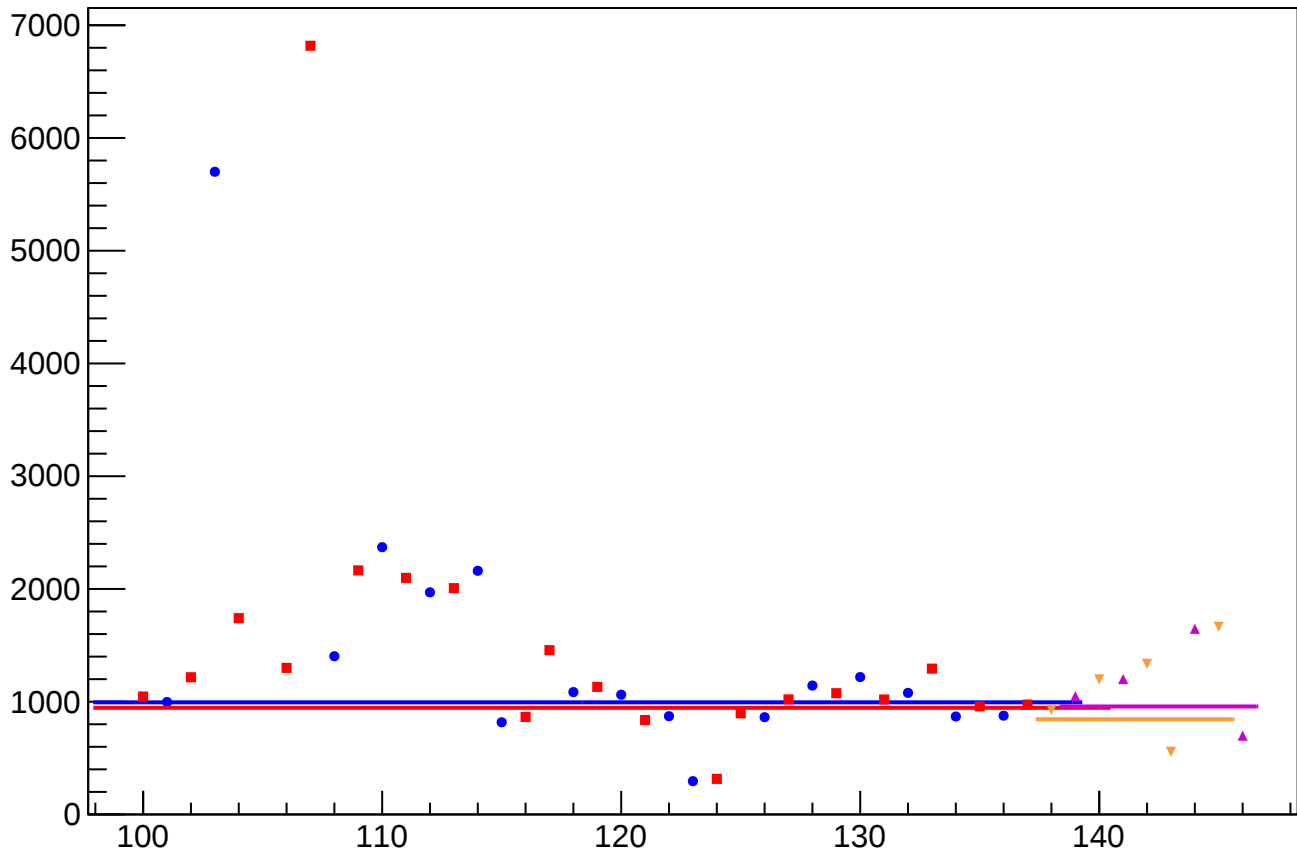
Right Out: 449.702 ± 408.279 χ^2/NDF : 17.5/19

Left In: 114.339 ± 564.987 χ^2/NDF : 2.8/3

-113.457 ± 322.425 χ^2/NDF : 24.5/21

334.653 ± 330.919 χ^2/NDF : 20.5/23

asym_atl1_correction_rms vs Slug



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

Left Out: 844.769 $\pm$ 0.356 χ^2 /NDF:961615.5/4

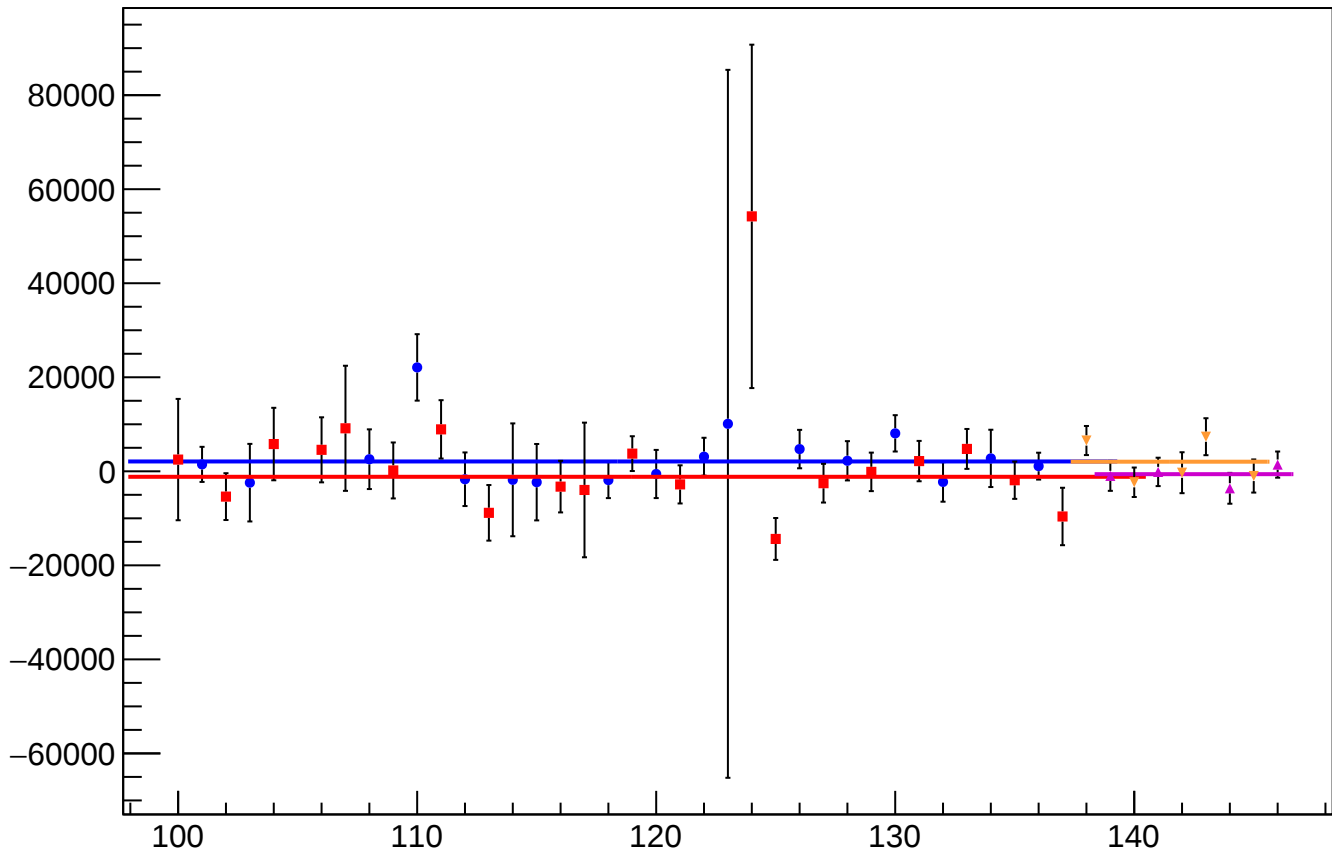
Right Out: 946.032 $\pm$ 0.289 χ^2 /NDF: 2676710.2/19

Left In: 957.723 $\pm$ 0.400 χ^2 /NDF:589466.1/3

933.002 $\pm$ 0.228 χ^2 /NDF: 2970626.1/21

950.043 $\pm$ 0.234 χ^2 /NDF: 3266738.9/23

asym_atl1_mean vs Slug



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

Left Out: 2042.879 ± 1572.590 χ^2/NDF : 6.9/4

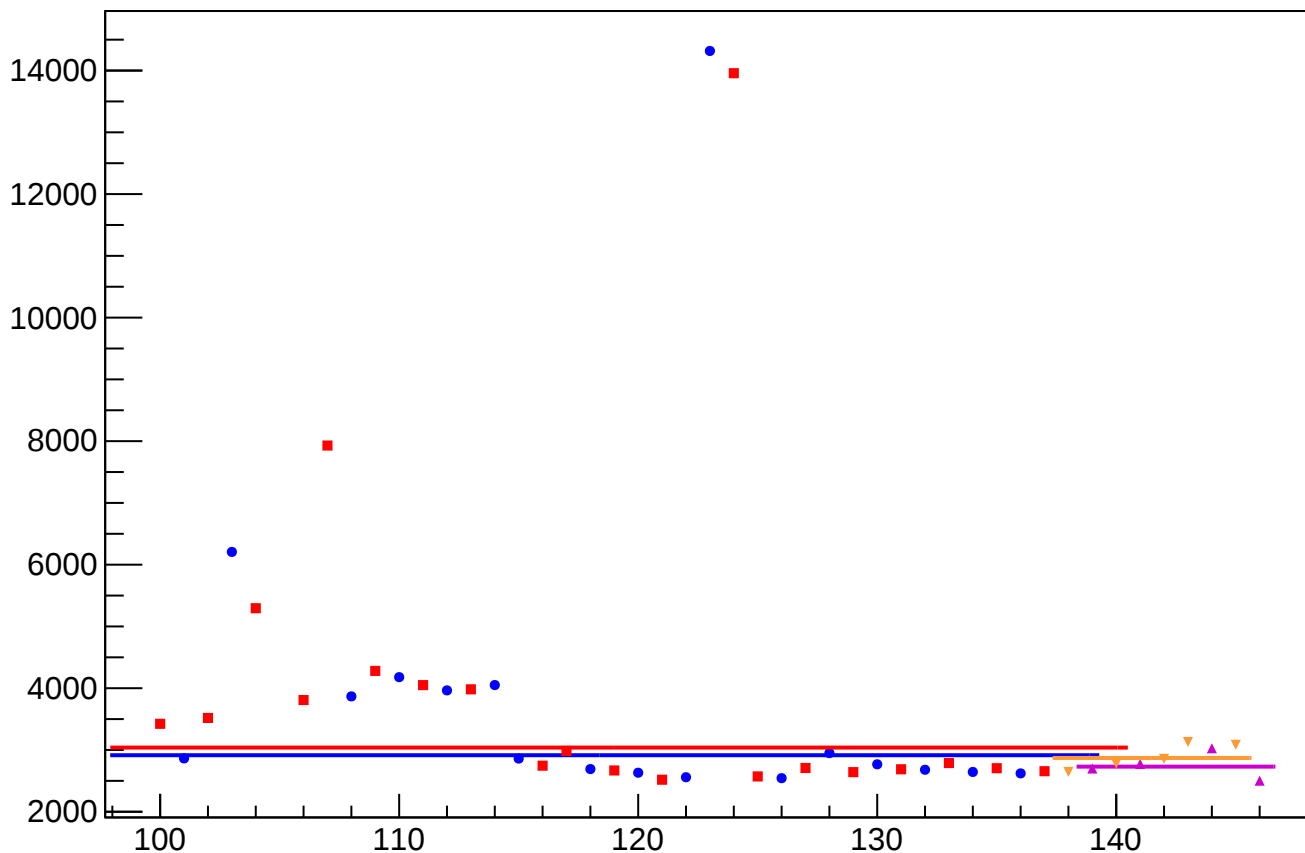
Right Out: -1167.038 ± 1182.950 χ^2/NDF : 25.2/19

Left In: -608.586 ± 1524.052 χ^2/NDF : 1.4/3

2076.010 ± 933.732 χ^2/NDF : 21.5/21

-957.082 ± 934.484 χ^2/NDF : 26.7/23

asym_atl1_rms vs Slug



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

Left Out: 2870.627+/-1.112 χ^2 /NDF: 28490.2/4

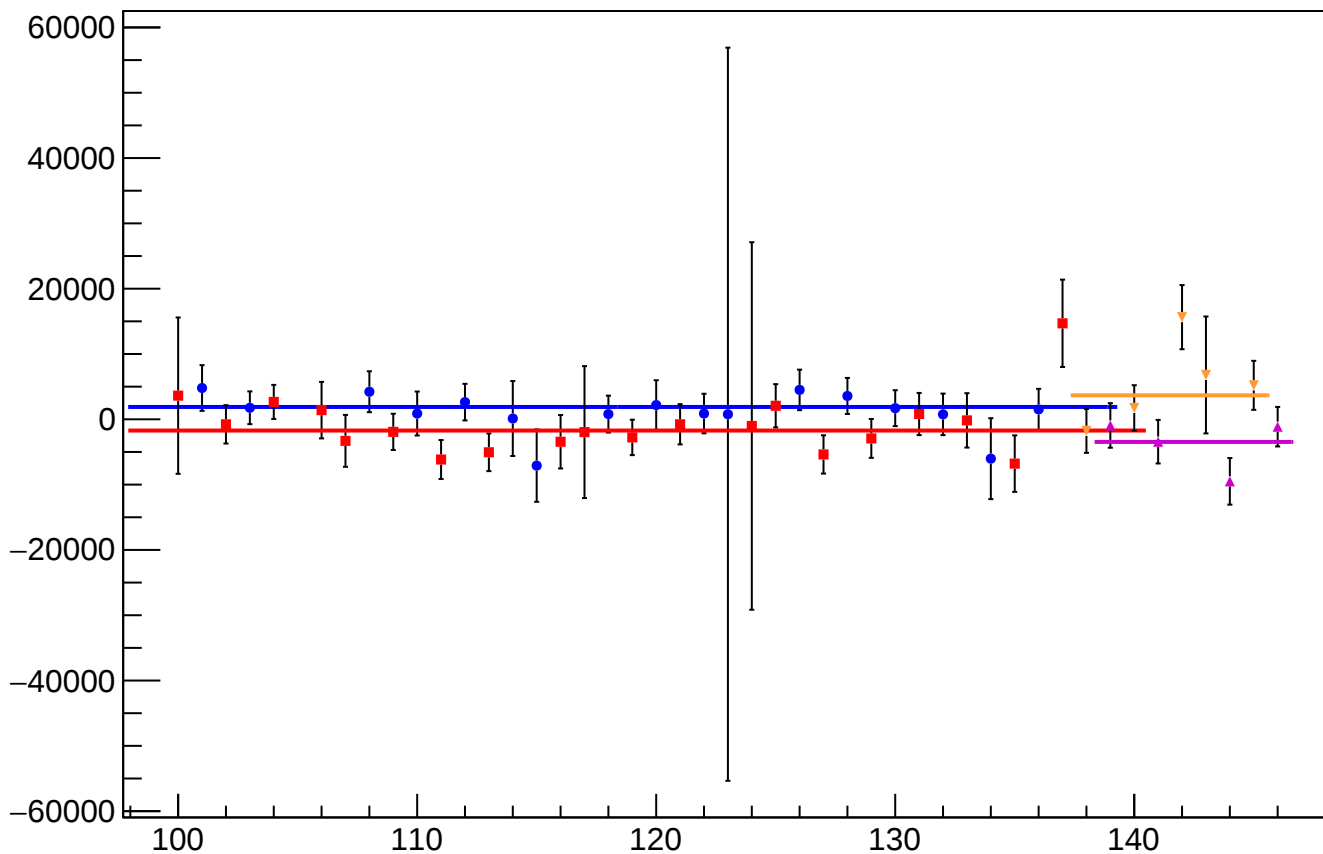
Right Out: 3038.763+/-0.836 χ^2 /NDF: 1011412.5/19

Left In: 2730.563+/-1.078 χ^2 /NDF: 30383.2/3

2899.487+/-0.660 χ^2 /NDF: 668666.8/21

2922.891+/-0.661 χ^2 /NDF: 1092835.2/23

reg_asym_atl2_mean vs Slug



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

Left Out: 3675.616 ± 1836.927 χ^2/NDF : 9.2/4

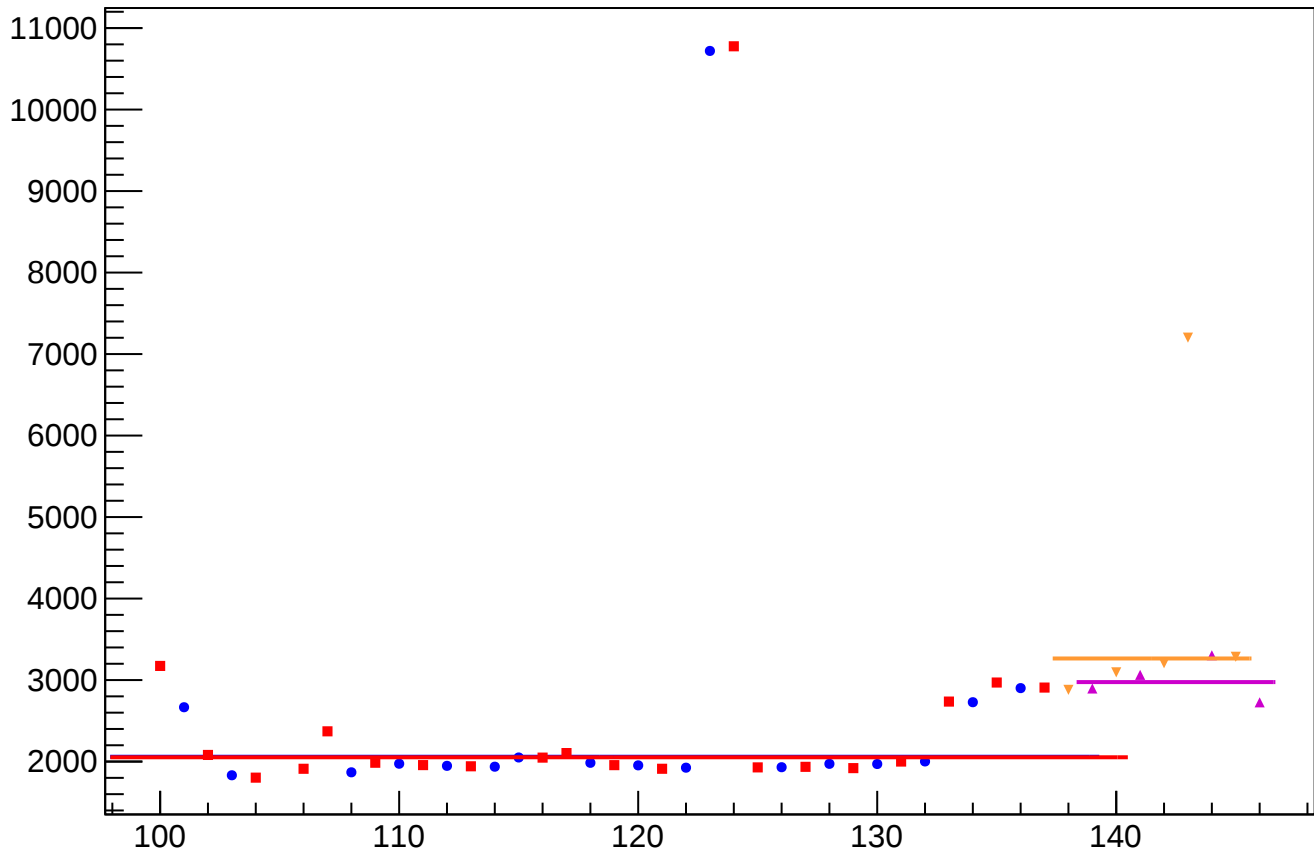
Right Out: -1720.591 ± 787.704 χ^2/NDF : 19.0/19

Left In: -3463.336 ± 1658.174 χ^2/NDF : 4.0/3

2181.489 ± 742.240 χ^2/NDF : 17.2/21

-2041.460 ± 711.503 χ^2/NDF : 23.9/23

reg_asym_atl2_rms vs Slug



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

Left Out: 3264.741+/-1.299 χ^2/NDF : 418171.5/4

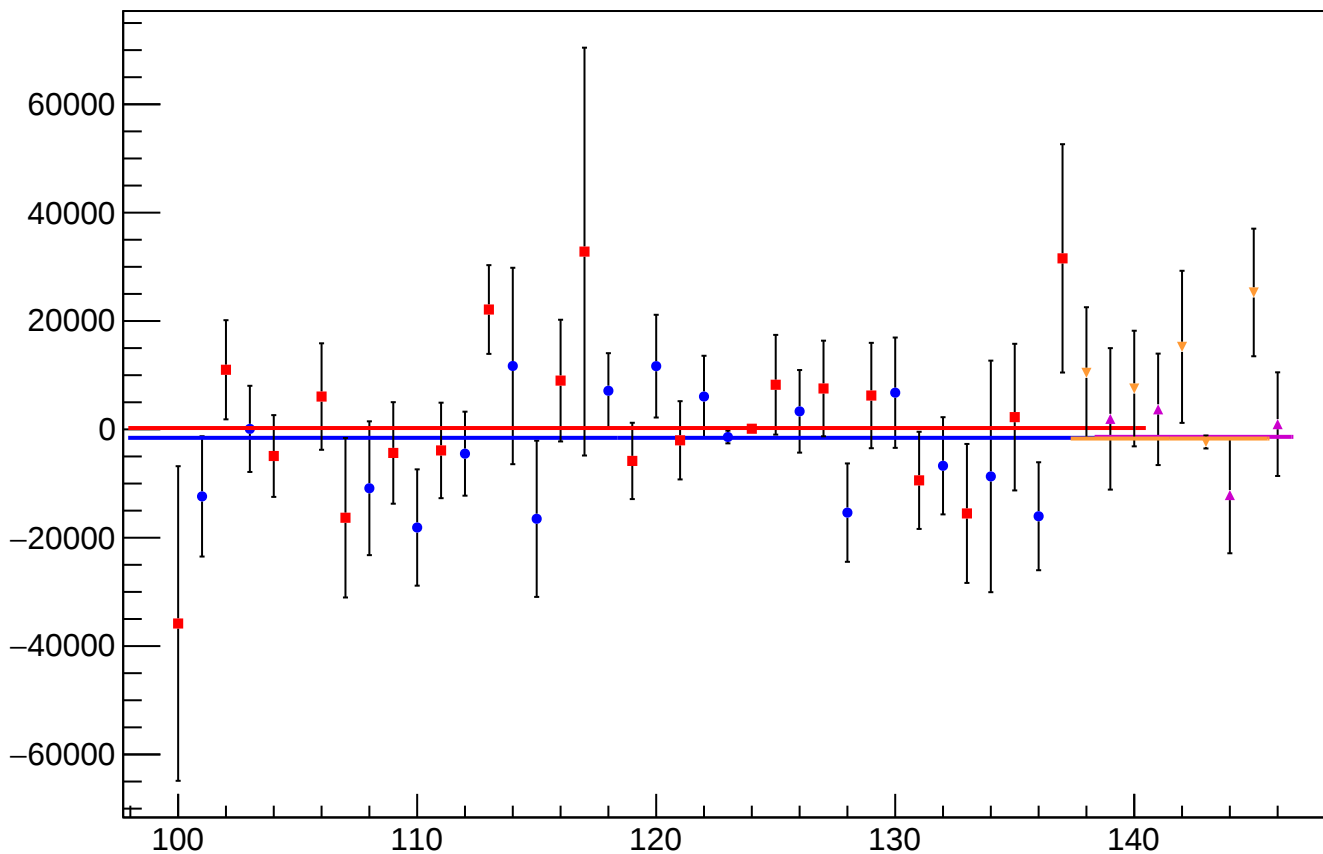
Right Out: 2052.576+/-0.557 χ^2/NDF : 443374.3/19

Left In: 2975.049+/-1.173 χ^2/NDF : 32977.5/3

2255.830+/-0.525 χ^2/NDF : 1457784.2/21

2222.417+/-0.503 χ^2/NDF : 981368.9/23

asym_atl2_correction_mean vs Slug



Right In: -1563.218+/-1053.946 χ^2/NDF : 16.2/16

Left Out: -1694.084+/-1173.302 χ^2/NDF : 8.7/4

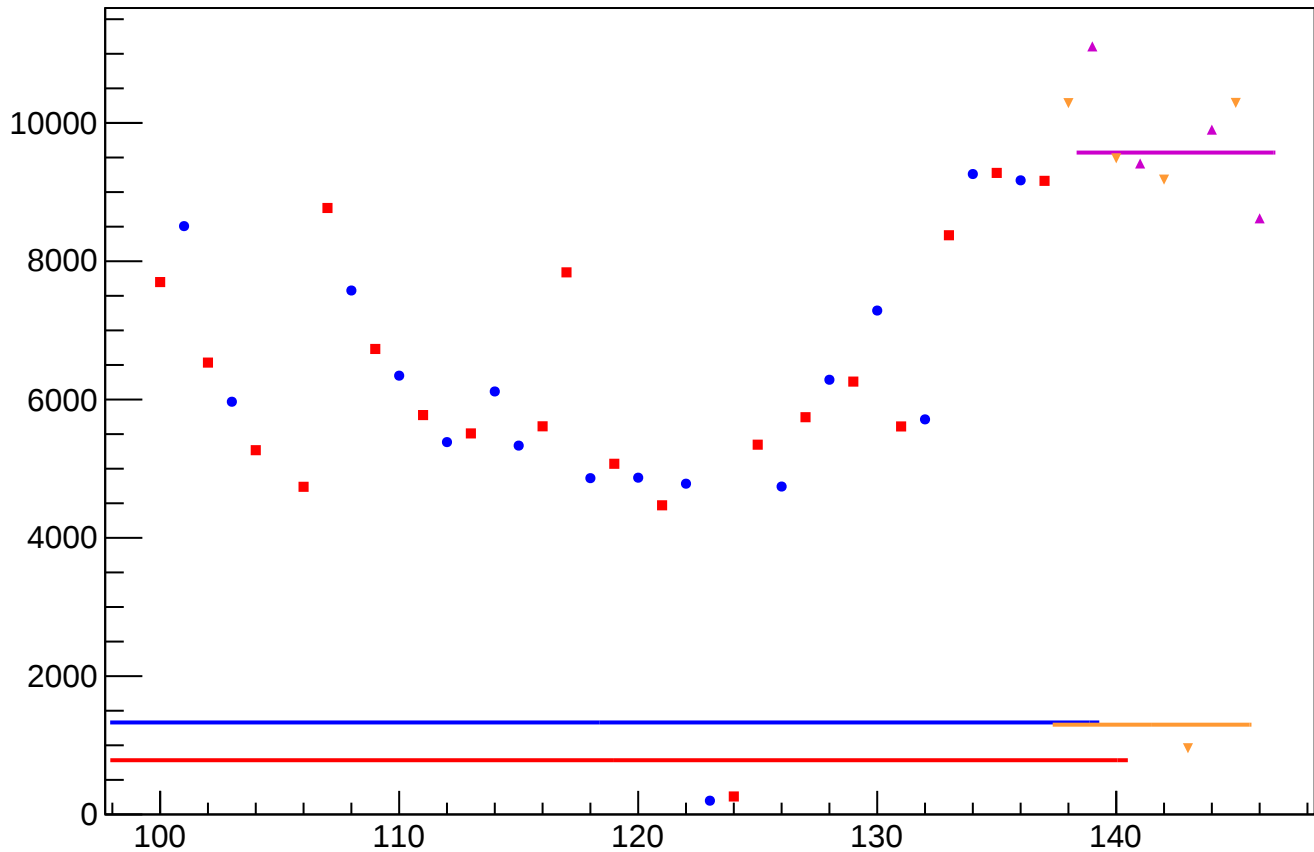
Right Out: 247.306+/-695.049 χ^2/NDF : 21.6/19

Left In: -1379.618+/-5352.710 χ^2/NDF : 1.4/3

-1621.658+/-784.065 χ^2/NDF : 24.9/21

220.330+/-689.262 χ^2/NDF : 23.0/23

asym_atl2_correction_rms vs Slug



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

Left Out: 1298.260+/-0.830 χ^2/NDF : 4239108.1/4

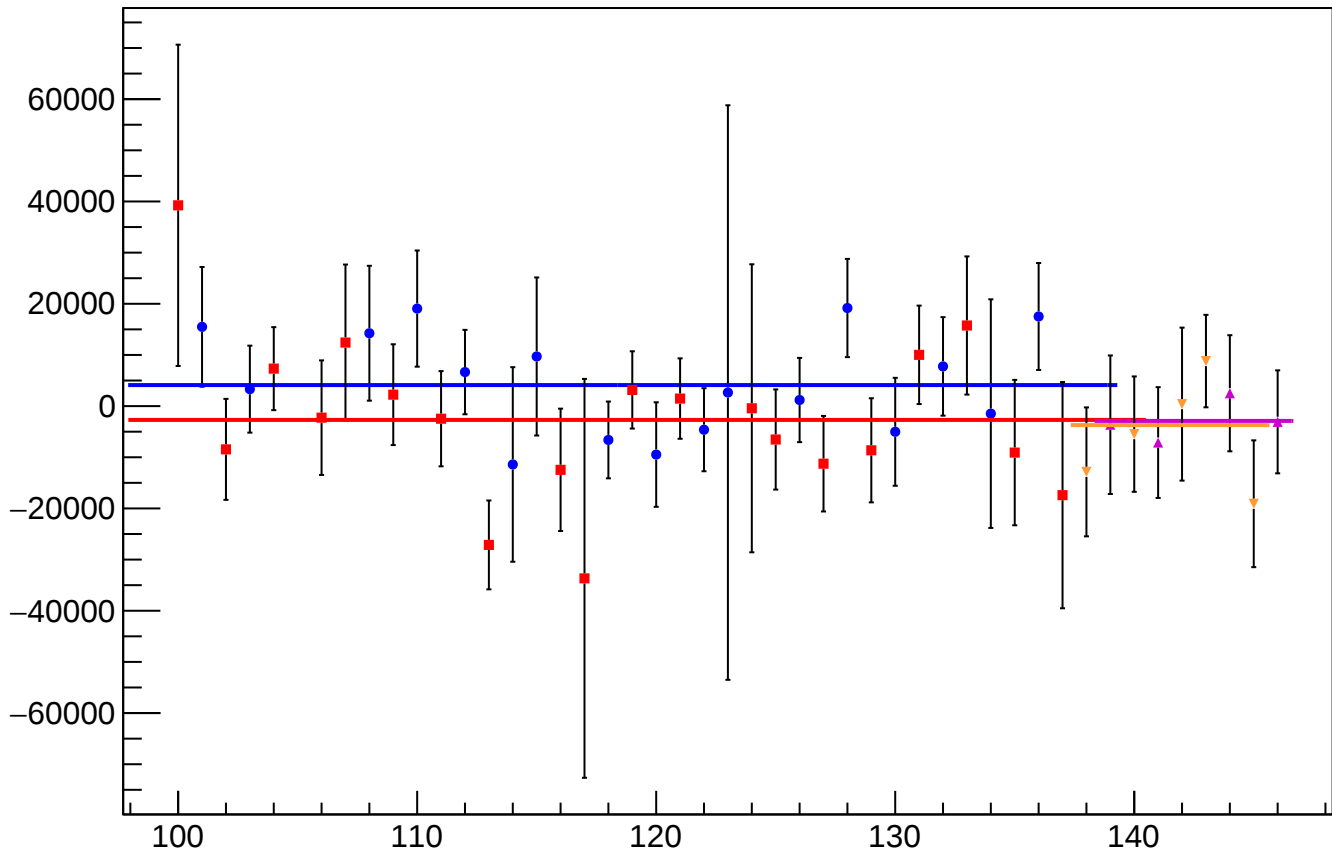
Right Out: 784.254+/-0.491 χ^2/NDF : 11510186.9/19

Left In: 9571.507+/-3.785 χ^2/NDF : 49788.4/3

1315.965+/-0.554 χ^2/NDF : 14286759.8/21

929.959+/-0.487 χ^2/NDF : 16860603.0/23

asym_atl2_mean vs Slug



Right In: 4111.784 $\pm$ 2534.444 χ^2 /NDF: 14.3/16

Left Out: -3710.757 $\pm$ 5171.463 χ^2 /NDF: 4.1/4

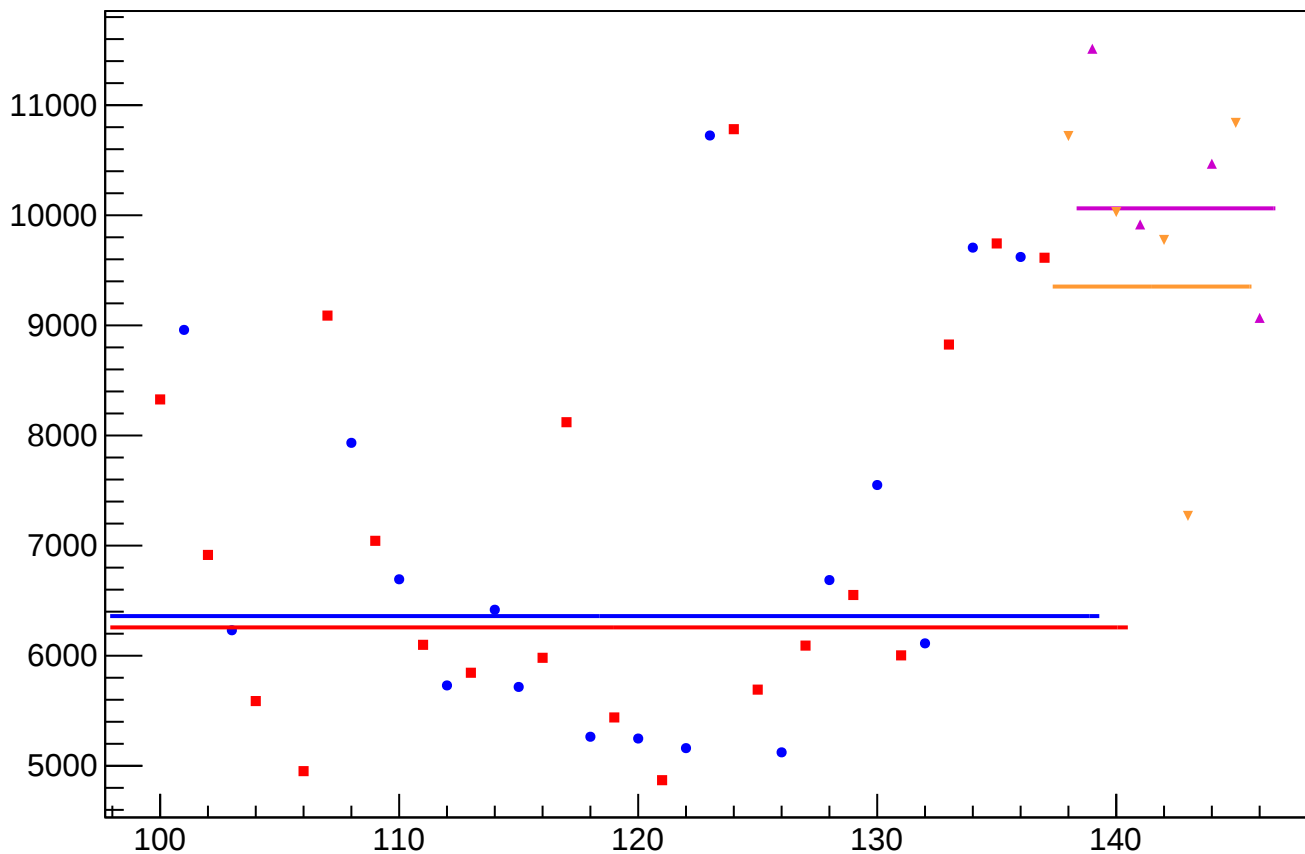
Right Out: -2697.106 $\pm$ 2415.828 χ^2 /NDF: 20.6/19

Left In: -2891.281 $\pm$ 5623.499 χ^2 /NDF: 0.4/3

2596.824 $\pm$ 2275.832 χ^2 /NDF: 20.3/21

-2727.359 $\pm$ 2219.673 χ^2 /NDF: 21.0/23

asym_atl2_rms vs Slug



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

Left Out: 9352.579+/-3.657 χ^2/NDF :167349.7/4

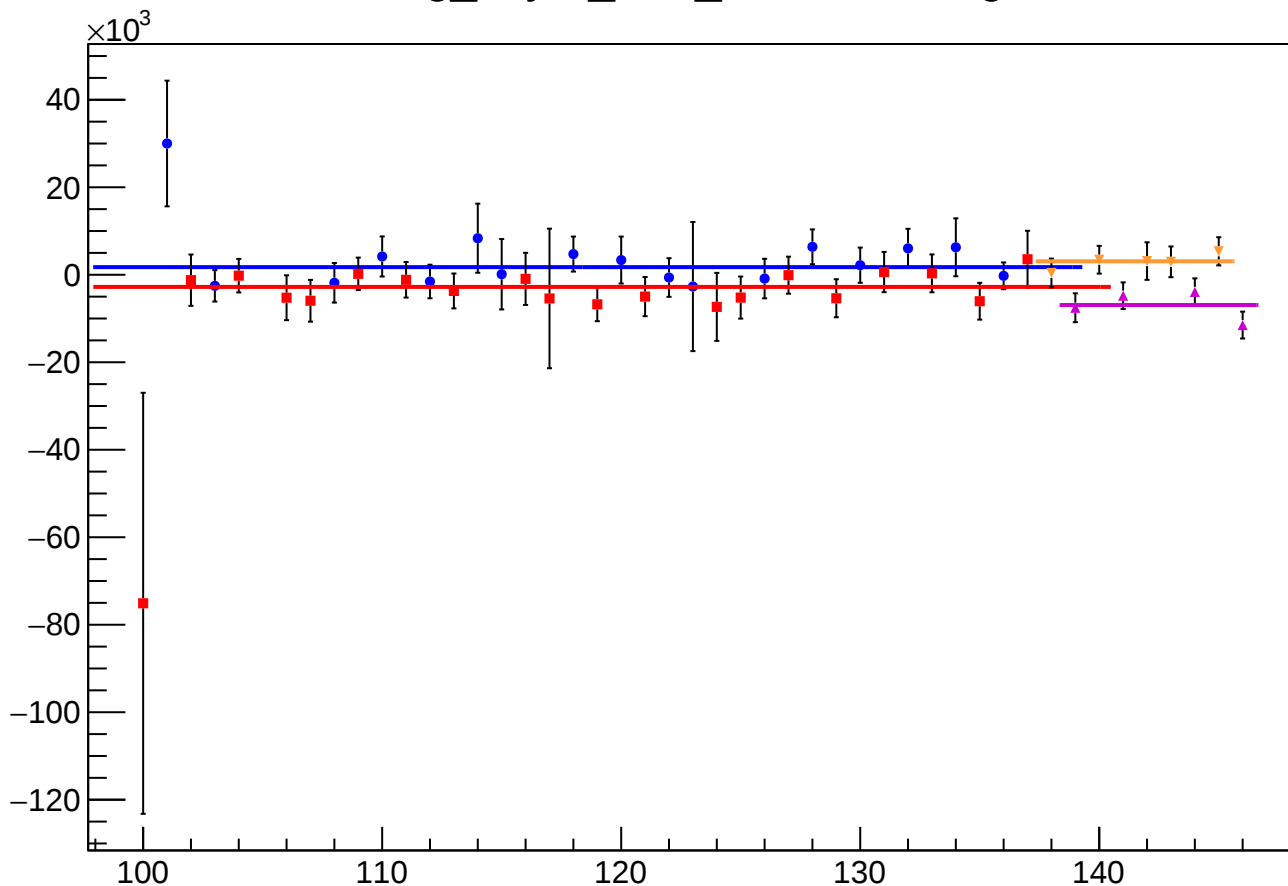
Right Out: 6257.232+/-1.708 χ^2/NDF : 537553.3/19

Left In: 10062.846+/-3.976 χ^2/NDF :45375.6/3

6939.498+/-1.609 χ^2/NDF : 1287866.8/21

6850.097+/-1.569 χ^2/NDF : 1356176.2/23

reg_asym_atr1_mean vs Slug



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

Left Out: 3079.324 $\pm$ 1535.781 χ^2 /NDF:1.2/4

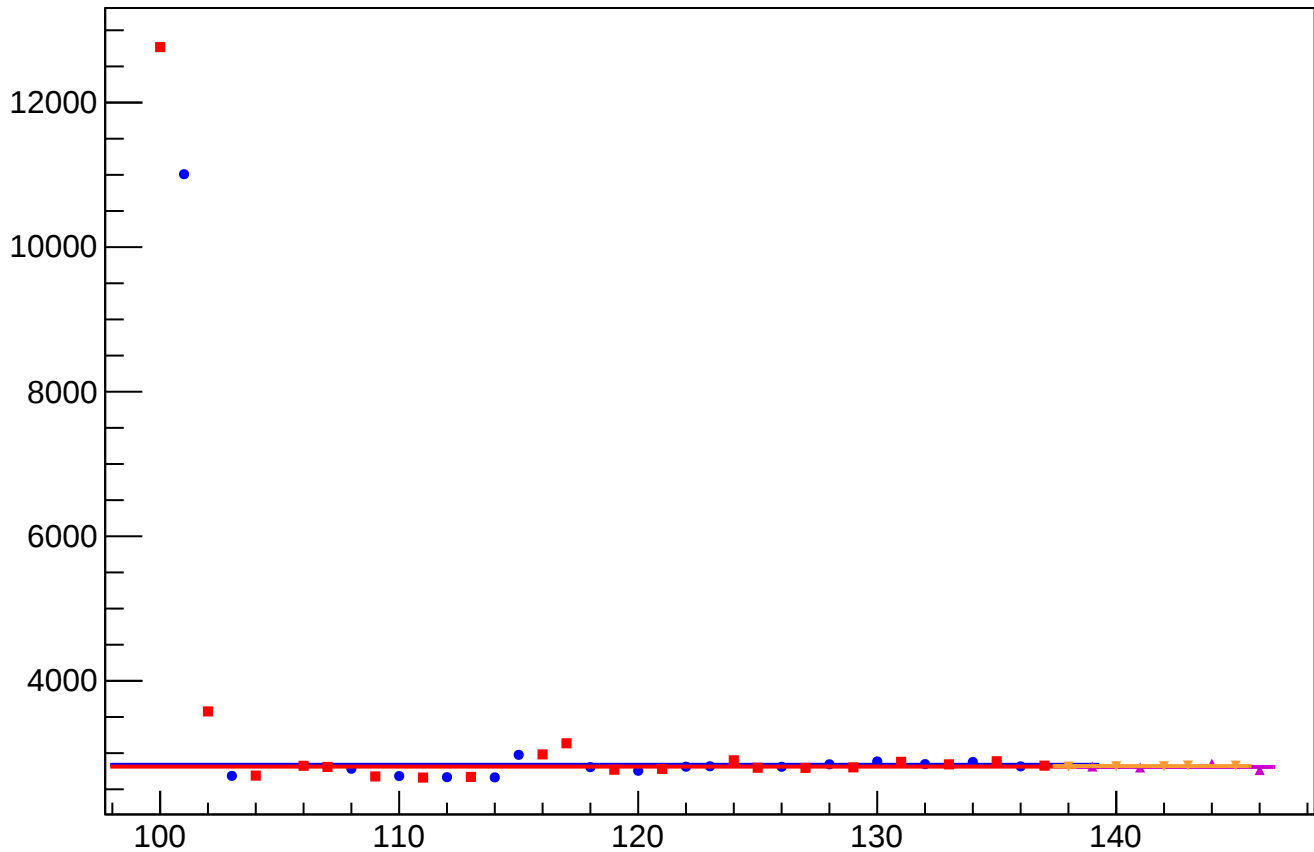
Right Out: -2775.793 $\pm$ 1069.534 χ^2 /NDF: 9.7/19

Left In: -6918.245 $\pm$ 1562.487 χ^2 /NDF:3.7/3

2213.507 $\pm$ 909.401 χ^2 /NDF: 13.9/21

-4097.468 $\pm$ 882.572 χ^2 /NDF: 18.2/23

reg_asym_atr1_rms vs Slug



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

Left Out: 2821.317+/-1.086 χ^2/NDF : 31.7/4

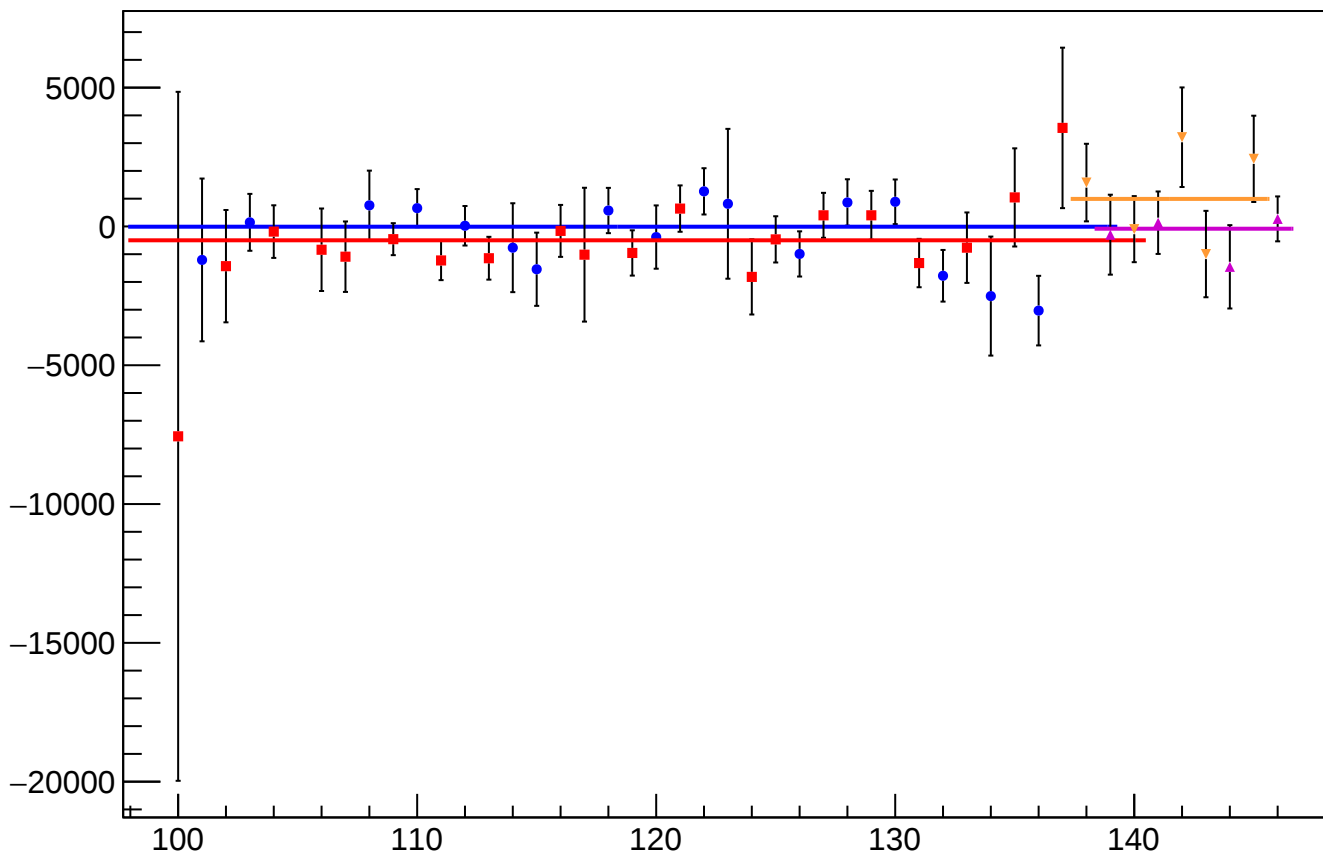
Right Out: 2814.083+/-0.756 χ^2/NDF : 133883.7/19

Left In: 2809.136+/-1.105 χ^2/NDF : 834.1/3

2832.629+/-0.643 χ^2/NDF : 660408.1/21

2812.504+/-0.624 χ^2/NDF : 134731.5/23

asym_atr1_correction_mean vs Slug



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

Left Out: 991.494 ± 651.449 χ^2/NDF : 5.0/4

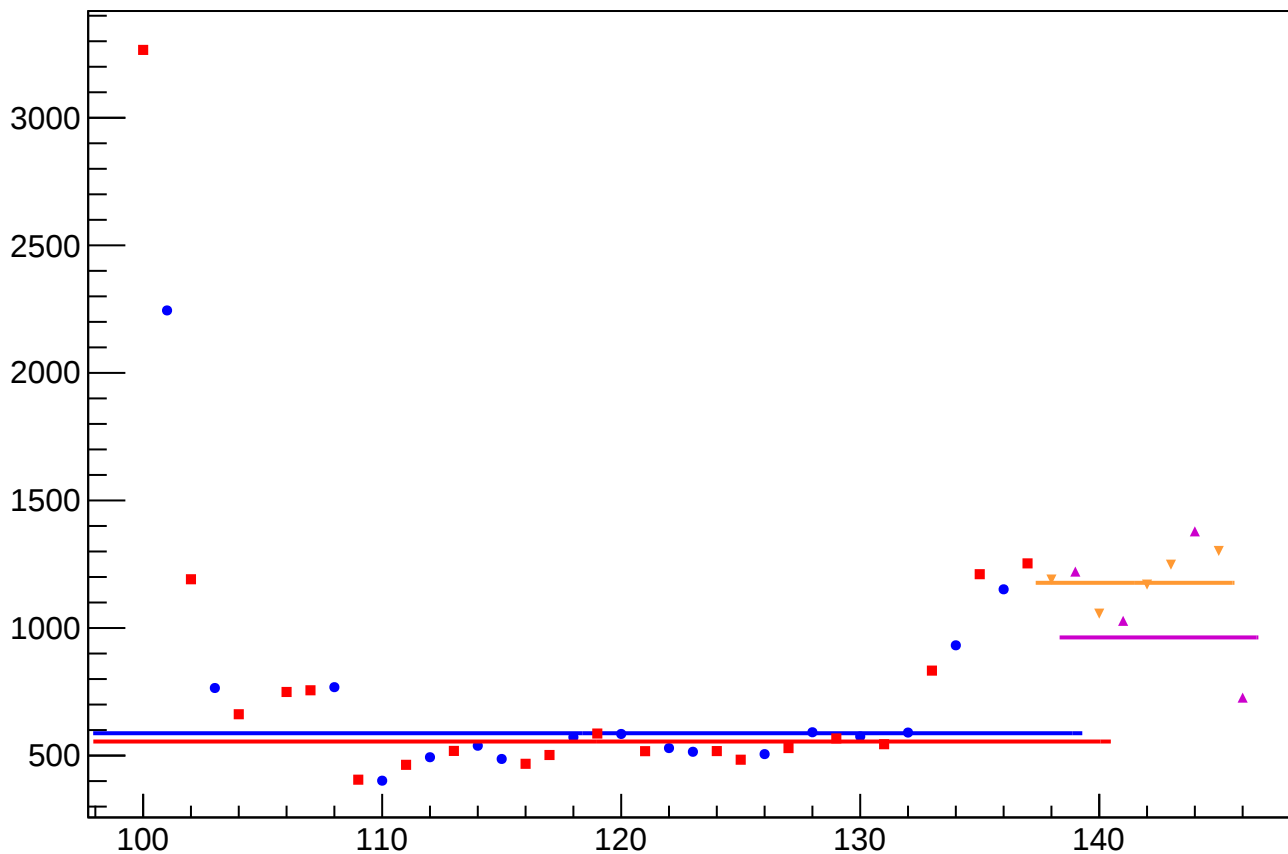
Right Out: -499.625 ± 220.558 χ^2/NDF : 11.9/19

Left In: -82.316 ± 555.147 χ^2/NDF : 1.1/3

111.297 ± 226.588 χ^2/NDF : 27.8/21

-442.735 ± 204.973 χ^2/NDF : 13.5/23

asym_atr1_correction_rms vs Slug



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

Left Out: 1177.230+/-0.461 χ^2/NDF : 37891.5/4

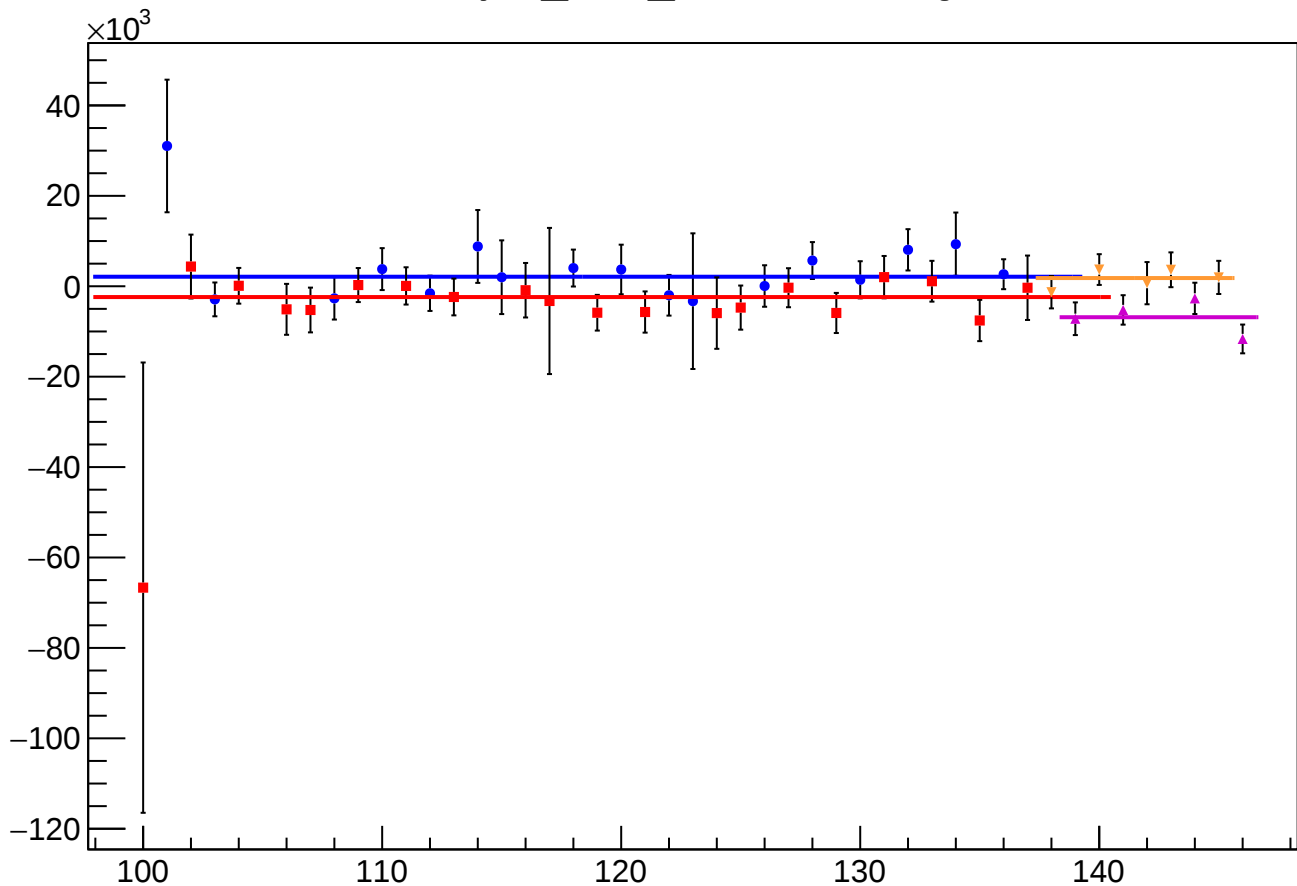
Right Out: 555.088+/-0.156 χ^2/NDF : 1107729.2/19

Left In: 963.116+/-0.393 χ^2/NDF : 394494.0/3

658.930+/-0.160 χ^2/NDF : 2903894.8/21

610.713+/-0.145 χ^2/NDF : 2435356.2/23

asym_atr1_mean vs Slug



Right In: 2108.498 ± 1164.336 χ^2/NDF : 13.5/16

Left Out: 1814.934 ± 1684.937 χ^2/NDF : 1.4/4

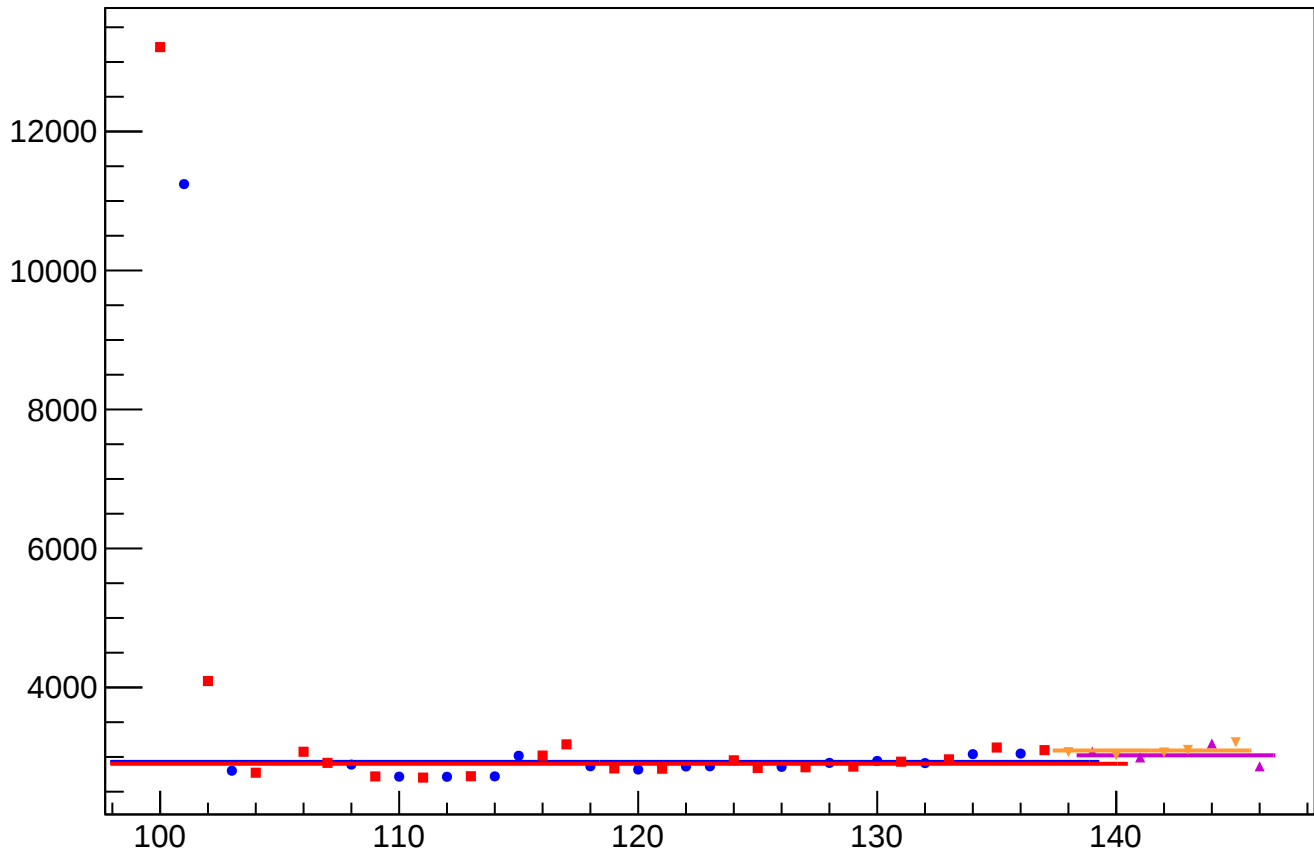
Right Out: -2389.947 ± 1107.639 χ^2/NDF : 9.9/19

Left In: -6848.463 ± 1683.107 χ^2/NDF : 4.0/3

2013.621 ± 957.882 χ^2/NDF : 14.9/21

-3737.331 ± 925.257 χ^2/NDF : 18.8/23

asym_atr1_rms vs Slug



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

Left Out: 3092.971+/-1.191 χ^2/NDF : 3115.6/4

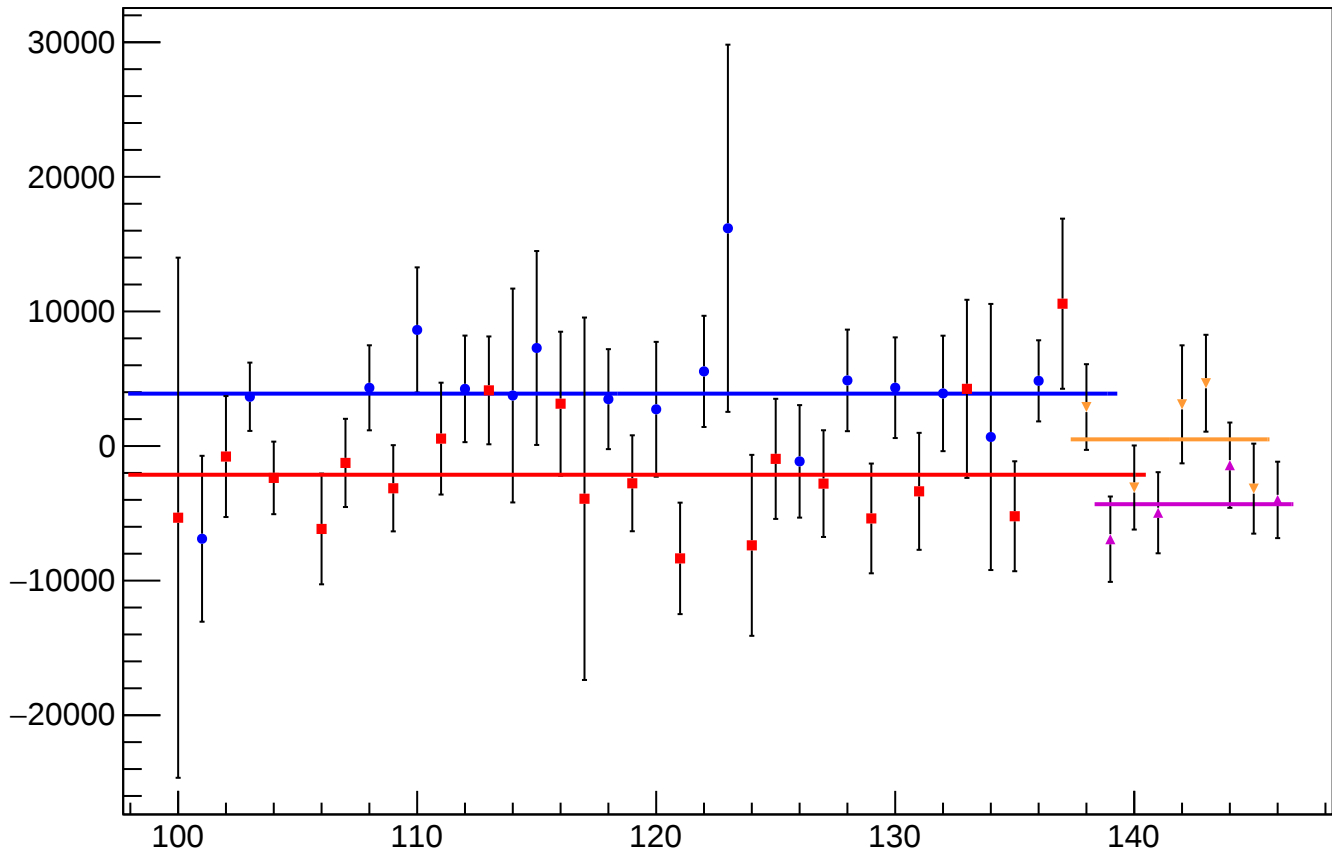
Right Out: 2901.790+/-0.783 χ^2/NDF : 170320.9/19

Left In: 3023.554+/-1.190 χ^2/NDF : 10413.7/3

2981.791+/-0.677 χ^2/NDF : 678344.7/21

2938.588+/-0.654 χ^2/NDF : 188038.8/23

reg_asym_atr2_mean vs Slug



Right In: 3892.504 ± 1011.718 $\chi^2/\text{NDF}: 7.1/16$

Left Out: 495.480 ± 1543.370 $\chi^2/\text{NDF}: 4.8/4$

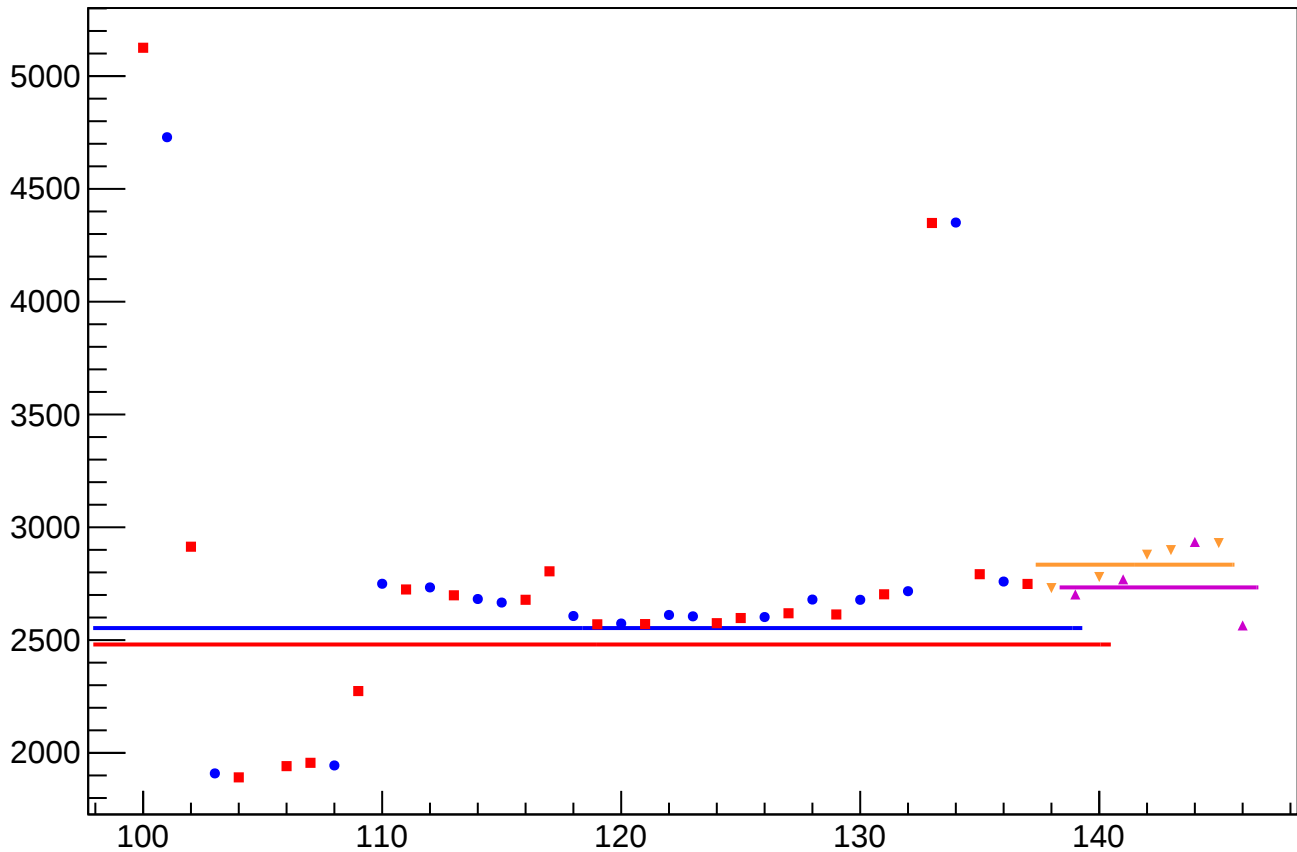
Right Out: -2133.736 ± 955.999 $\chi^2/\text{NDF}: 14.4/19$

Left In: -4322.091 ± 1519.276 $\chi^2/\text{NDF}: 1.6/3$

2871.497 ± 846.126 $\chi^2/\text{NDF}: 15.3/21$

-2754.447 ± 809.138 $\chi^2/\text{NDF}: 17.4/23$

reg_asym_atr2_rms vs Slug



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

Left Out: 2834.289+/-1.091 χ^2/NDF : 5227.3/4

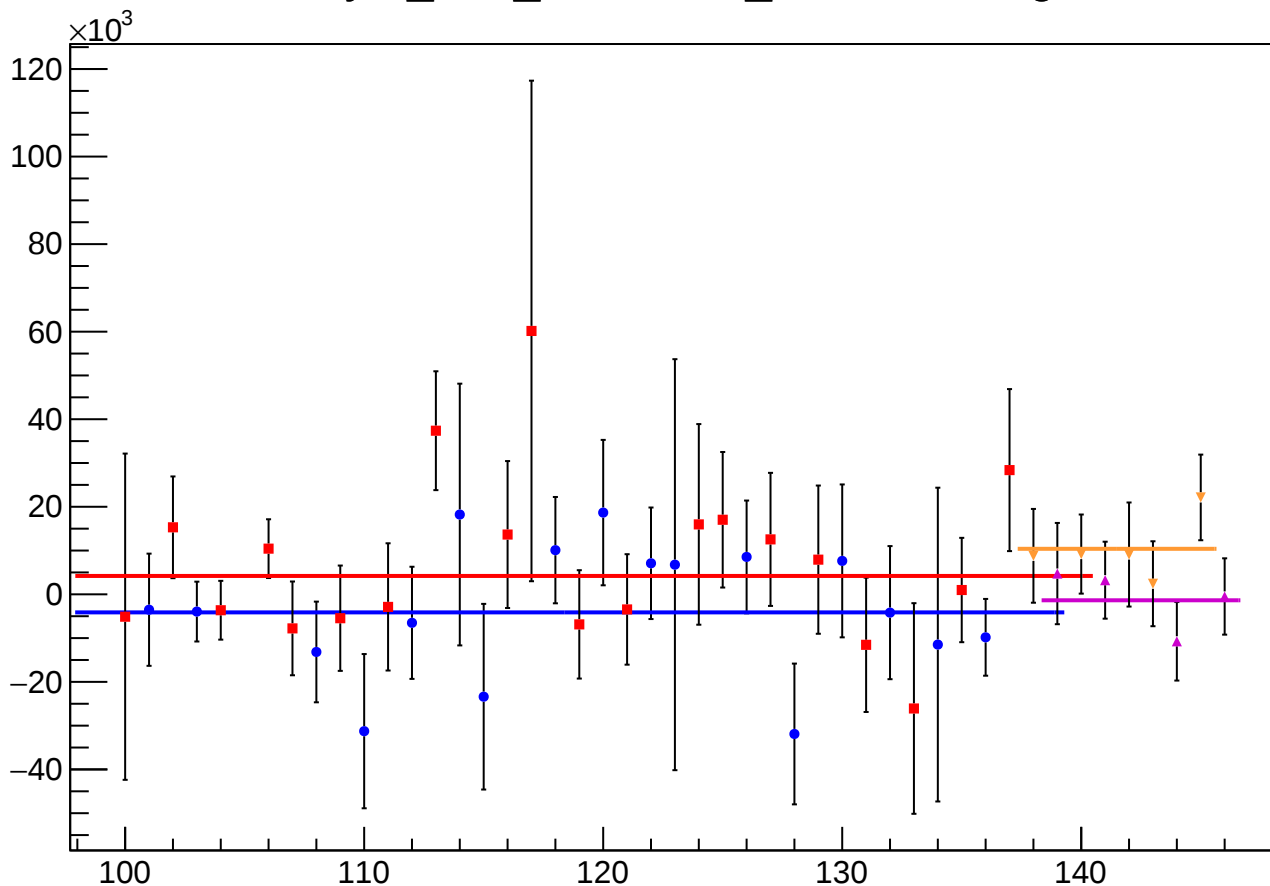
2637.740+/-0.598 χ^2/NDF : 596828.6/21

Right Out: 2480.504+/-0.676 χ^2/NDF : 450669.1/19

2552.275+/-0.572 χ^2/NDF : 506032.4/23

Left In: 2733.541+/-1.074 χ^2/NDF : 15620.8/3

asym_atr2_correction_mean vs Slug



Right In: -4126.319 ± 3227.044 χ^2/NDF : 13.4/16

Left Out: 10397.028 ± 4512.135 χ^2/NDF : 2.2/4

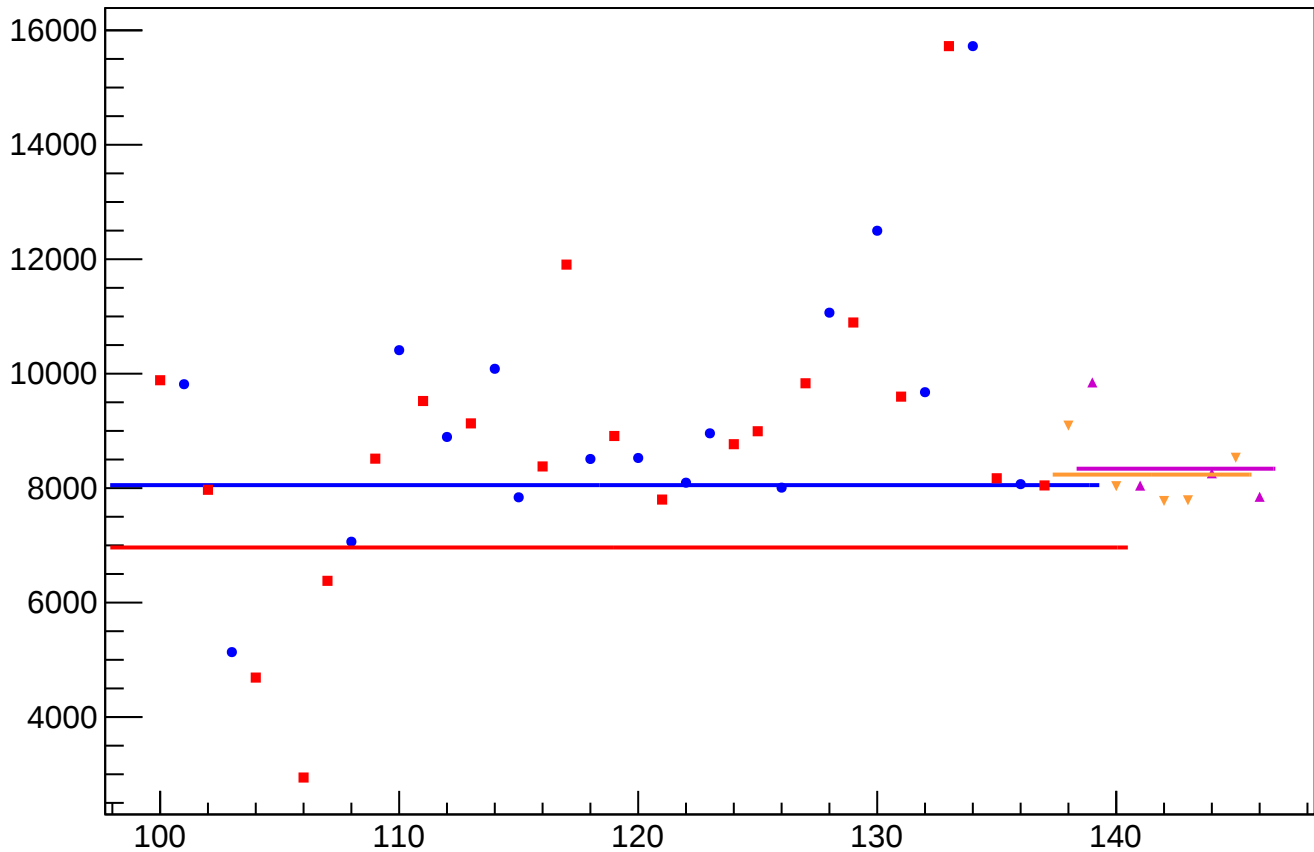
Right Out: 4197.870 ± 2830.850 χ^2/NDF : 19.5/19

Left In: -1362.918 ± 4662.289 χ^2/NDF : 1.7/3

788.461 ± 2624.828 χ^2/NDF : 22.4/21

2700.002 ± 2419.735 χ^2/NDF : 22.2/23

asym_atr2_correction_rms vs Slug



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

Left Out: 8236.765+/-3.191 χ^2/NDF : 22888.4/4

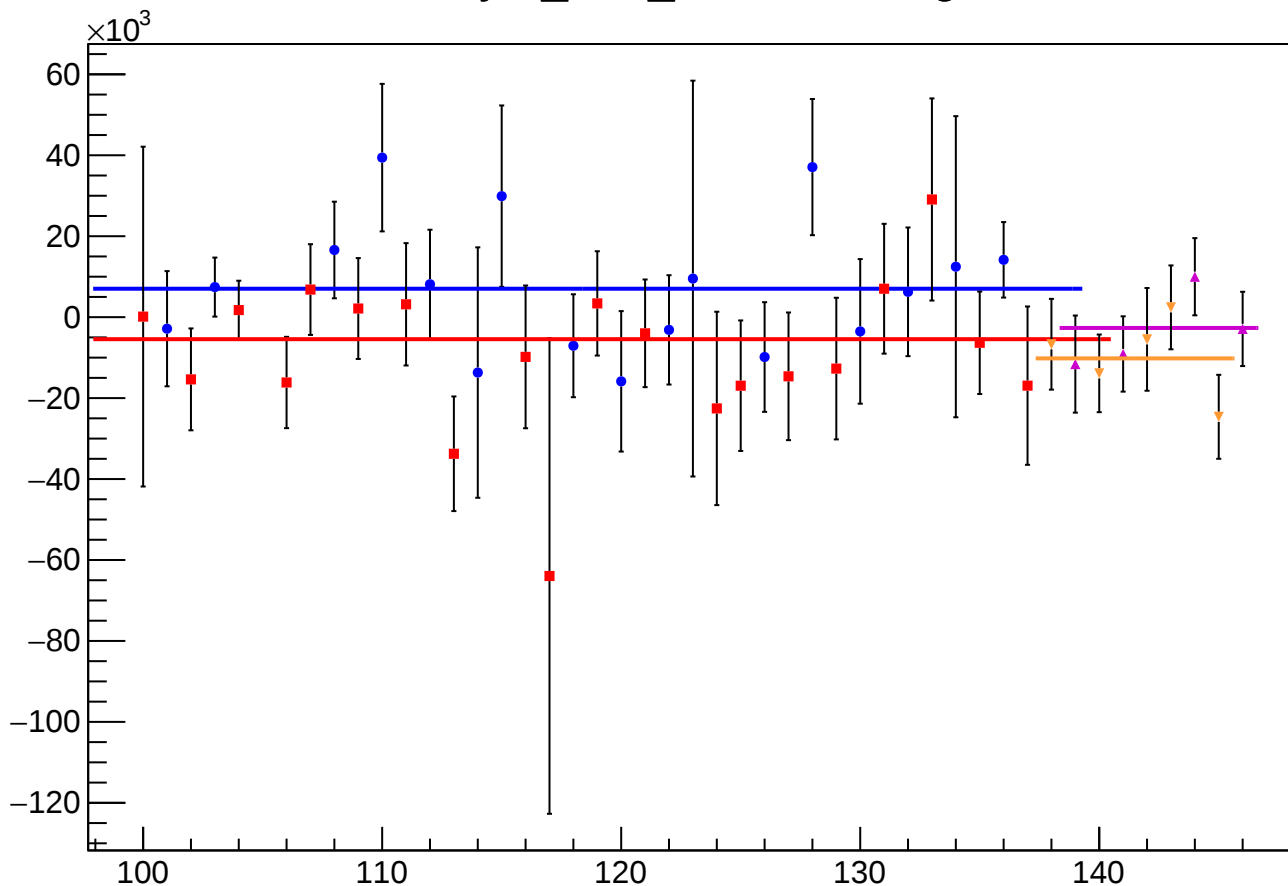
8114.891+/-1.856 χ^2/NDF : 815818.1/21

Right Out: 6963.091+/-2.002 χ^2/NDF : 1791563.9/19

7333.865+/-1.711 χ^2/NDF : 1961678.7/23

Left In: 8339.580+/-3.297 χ^2/NDF : 42741.3/3

asym_atr2_mean vs Slug



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

Left Out: -10186.235 $\pm$ 4787.552 χ^2 /NDF: 3.8/4

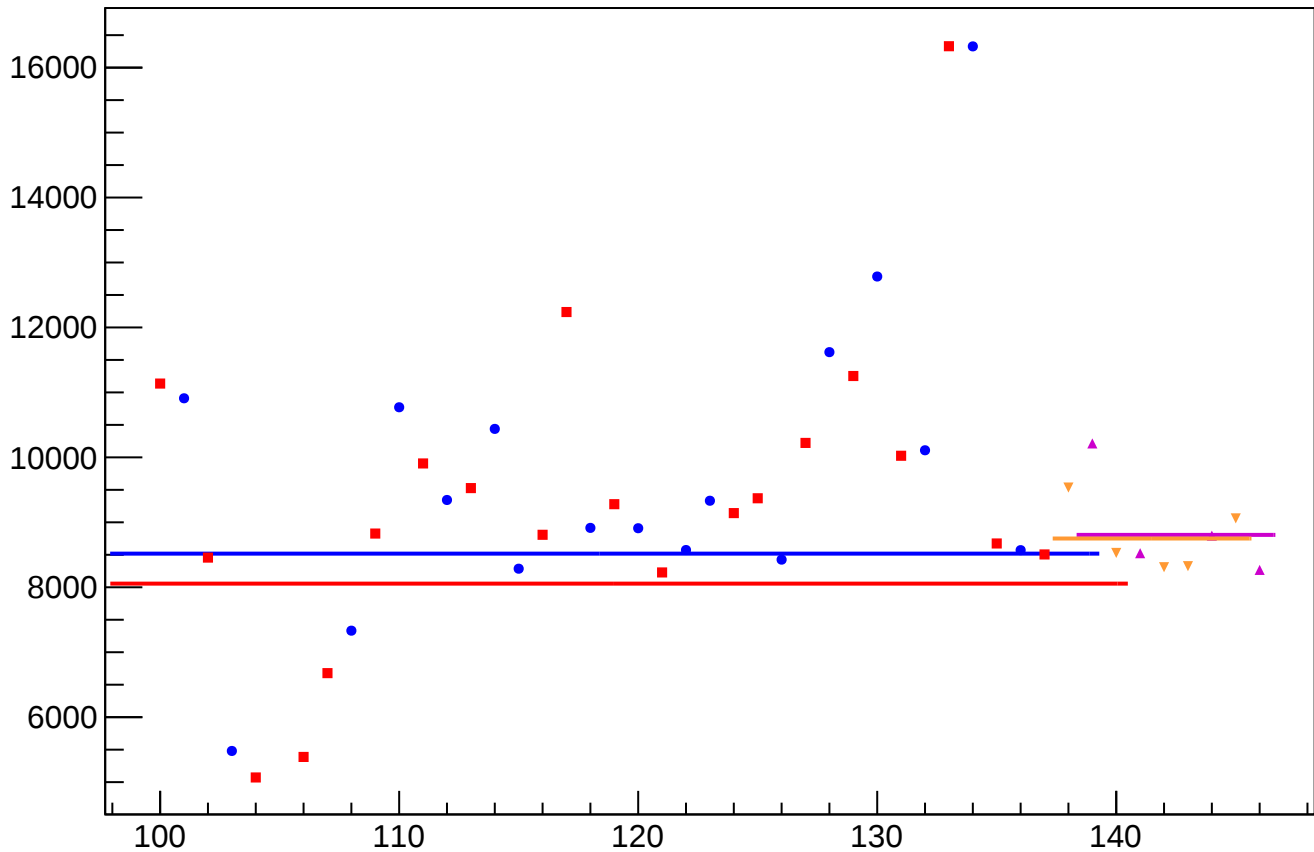
Right Out: -5441.890 $\pm$ 3163.600 χ^2 /NDF: 14.3/19

Left In: -2664.027 $\pm$ 4917.141 χ^2 /NDF: 2.8/3

1233.618 $\pm$ 2777.209 χ^2 /NDF: 27.4/21

-4628.652 $\pm$ 2660.517 χ^2 /NDF: 17.4/23

asym_atr2_rms vs Slug



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

Left Out: 8750.641+/-3.385 χ^2/NDF : 18452.5/4

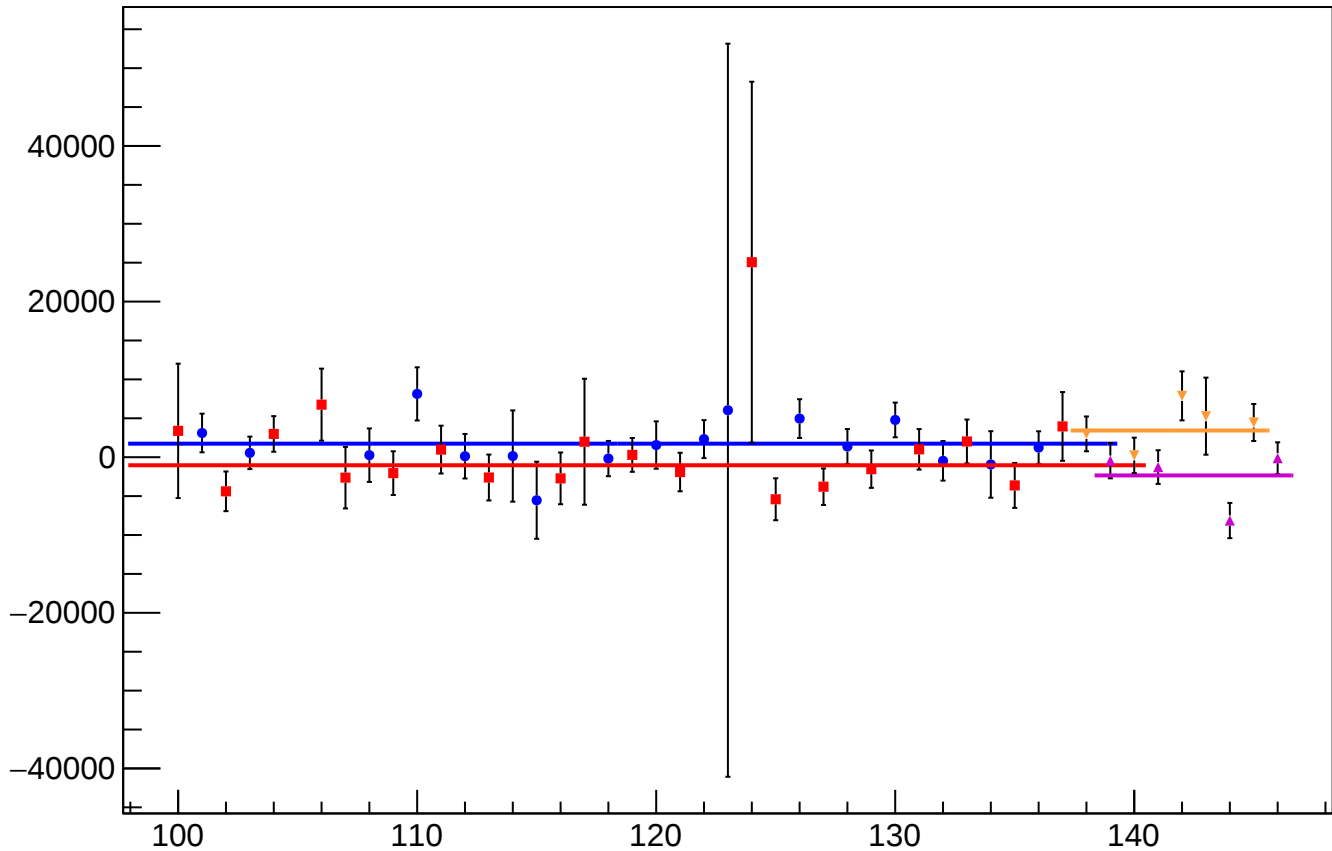
8596.209+/-1.964 χ^2/NDF : 784870.3/21

Right Out: 8056.153+/-2.237 χ^2/NDF : 962282.6/19

8275.790+/-1.881 χ^2/NDF : 1031502.9/23

Left In: 8806.430+/-3.477 χ^2/NDF : 36287.7/3

reg_asym_atl_avg_mean vs Slug



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

Left Out: 3431.994+/-1185.418 χ^2/NDF : 4.3/4

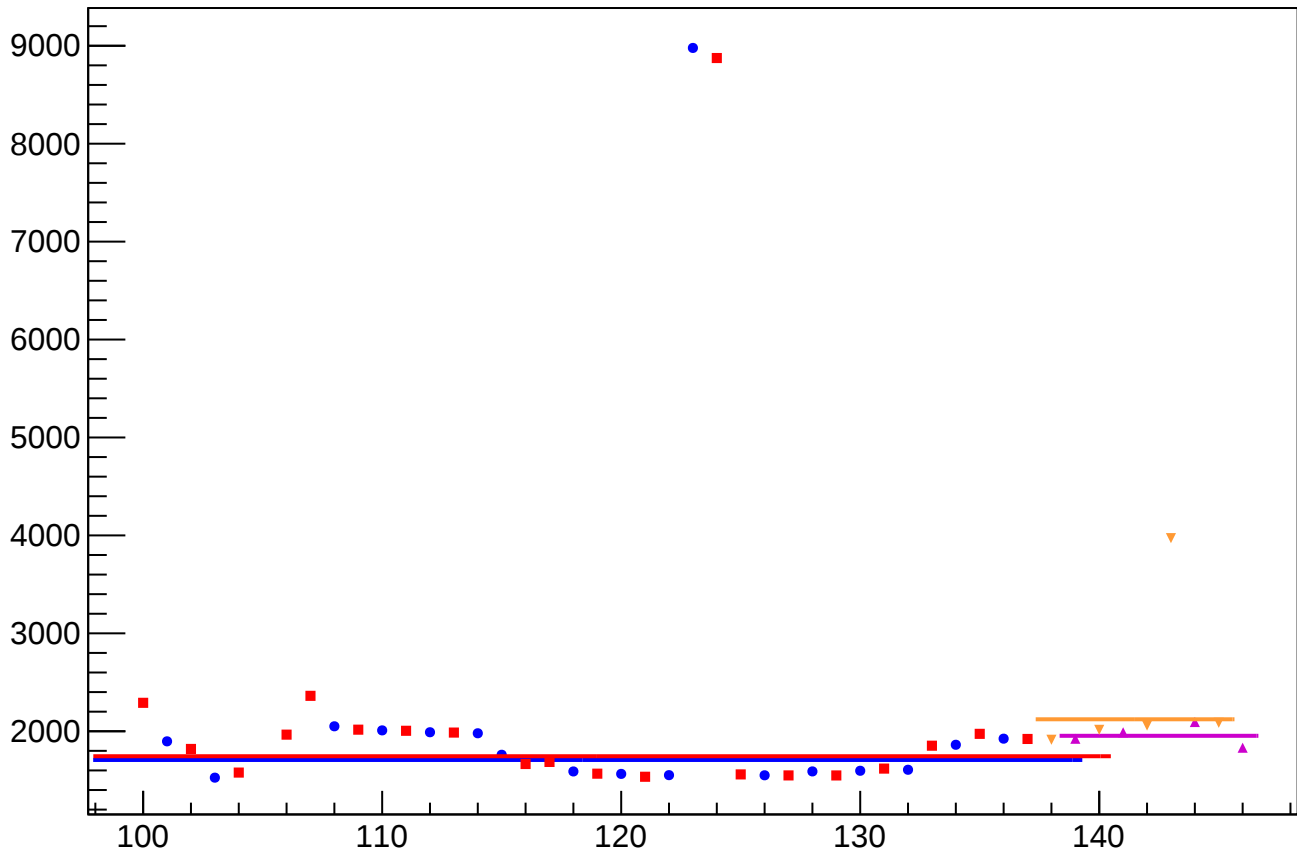
Right Out: -1034.828+/-668.692 χ^2/NDF : 19.0/19

Left In: -2341.809+/-1089.167 χ^2/NDF : 8.7/3

2149.742+/-583.541 χ^2/NDF : 18.3/21

-1392.611+/-569.862 χ^2/NDF : 28.7/23

reg_asym_atl_avg_rms vs Slug



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

Left Out: 2122.255+/-0.838 χ^2/NDF : 302224.2/4

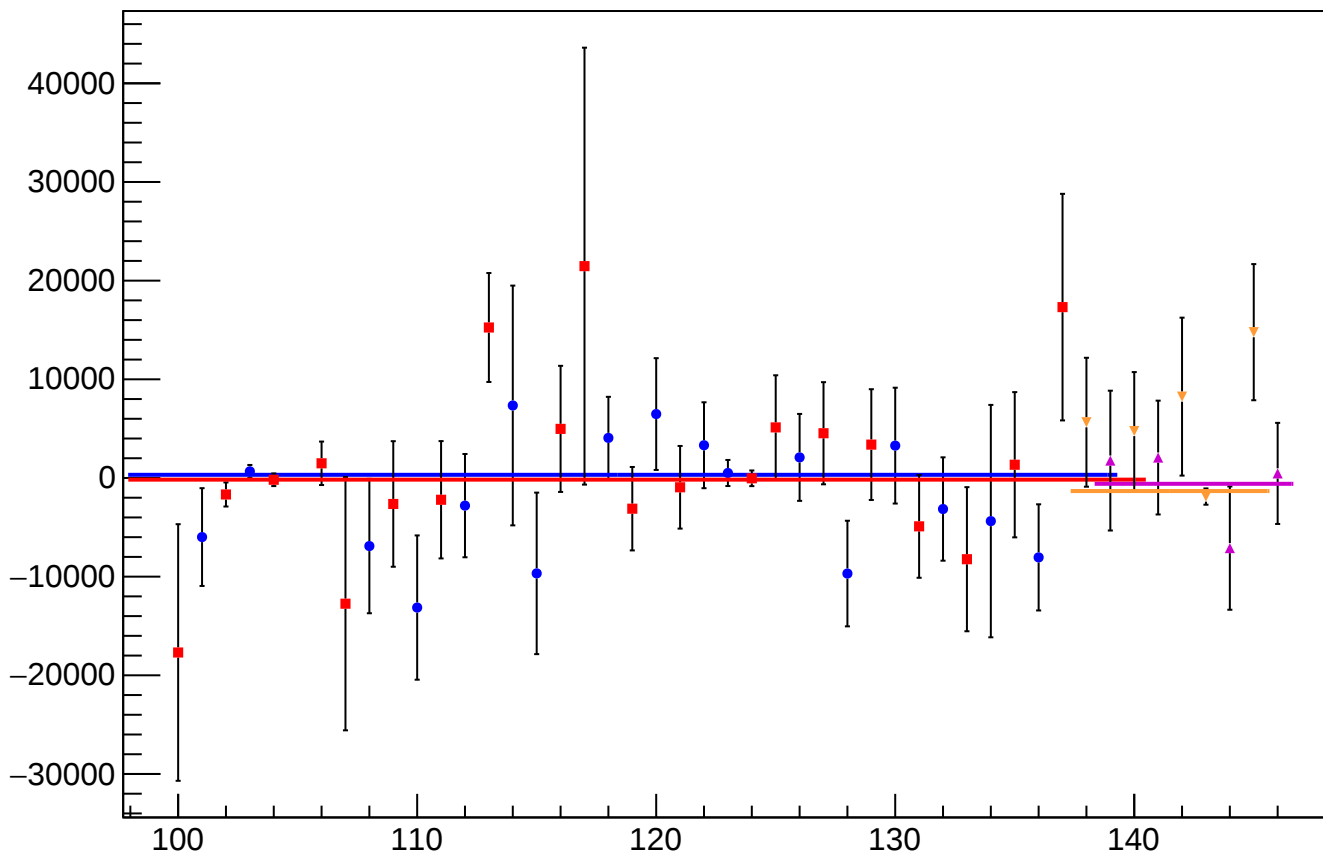
Right Out: 1745.037+/-0.471 χ^2/NDF : 399916.1/19

Left In: 1953.612+/-0.770 χ^2/NDF : 15744.1/3

1807.526+/-0.413 χ^2/NDF : 685849.7/21

1801.767+/-0.402 χ^2/NDF : 469055.7/23

asym_atl_avg_correction_mean vs Slug



Right In: 320.899+/-540.384 χ^2/NDF : 18.0/16

Left Out: -1325.031+/-801.426 χ^2/NDF : 9.5/4

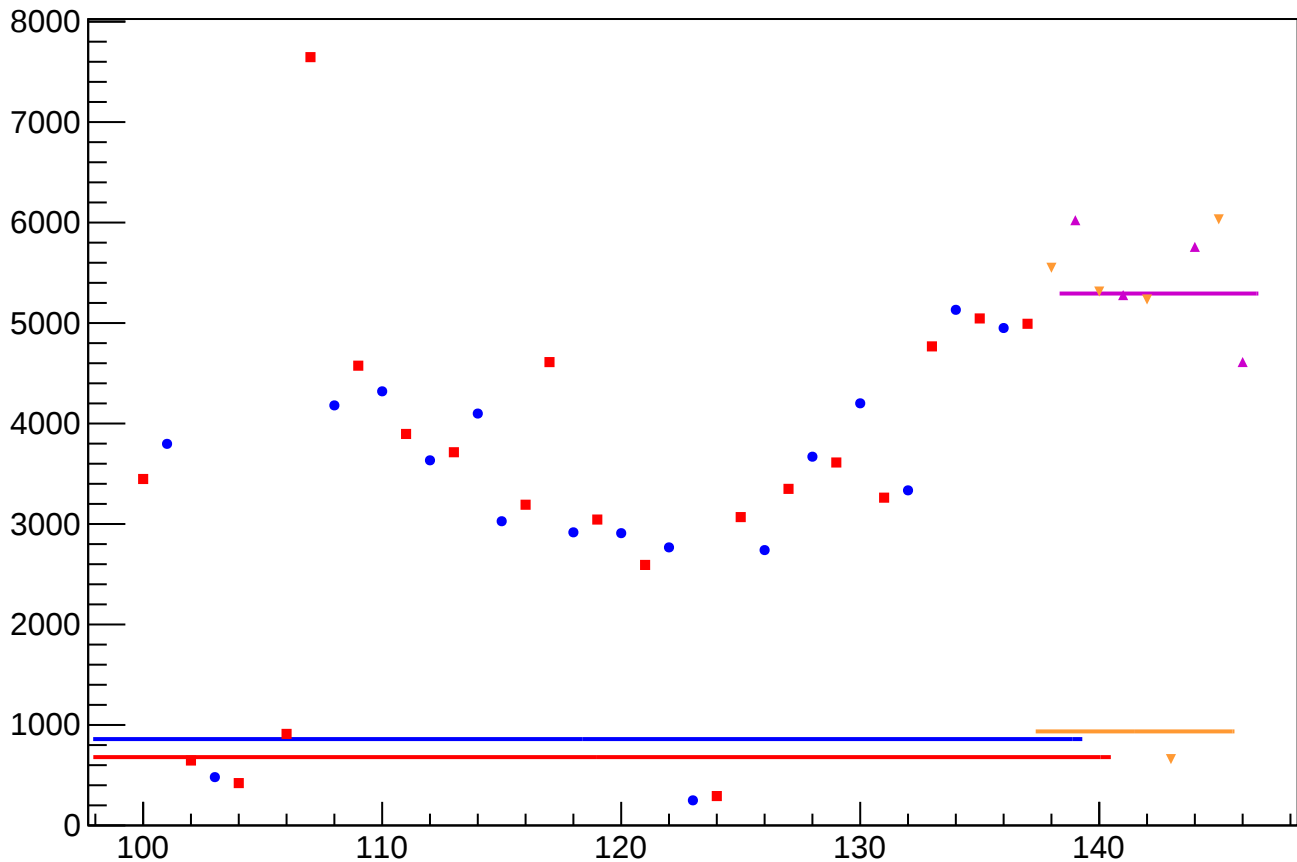
Right Out: -168.343+/-433.469 χ^2/NDF : 21.7/19

Left In: -590.873+/-2965.714 χ^2/NDF : 1.5/3

-193.536+/-448.046 χ^2/NDF : 30.4/21

-177.181+/-428.911 χ^2/NDF : 23.2/23

asym_atl_avg_correction_rms vs Slug



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

Left Out: 935.866+/-0.567 χ^2/NDF : 3962048.2/4

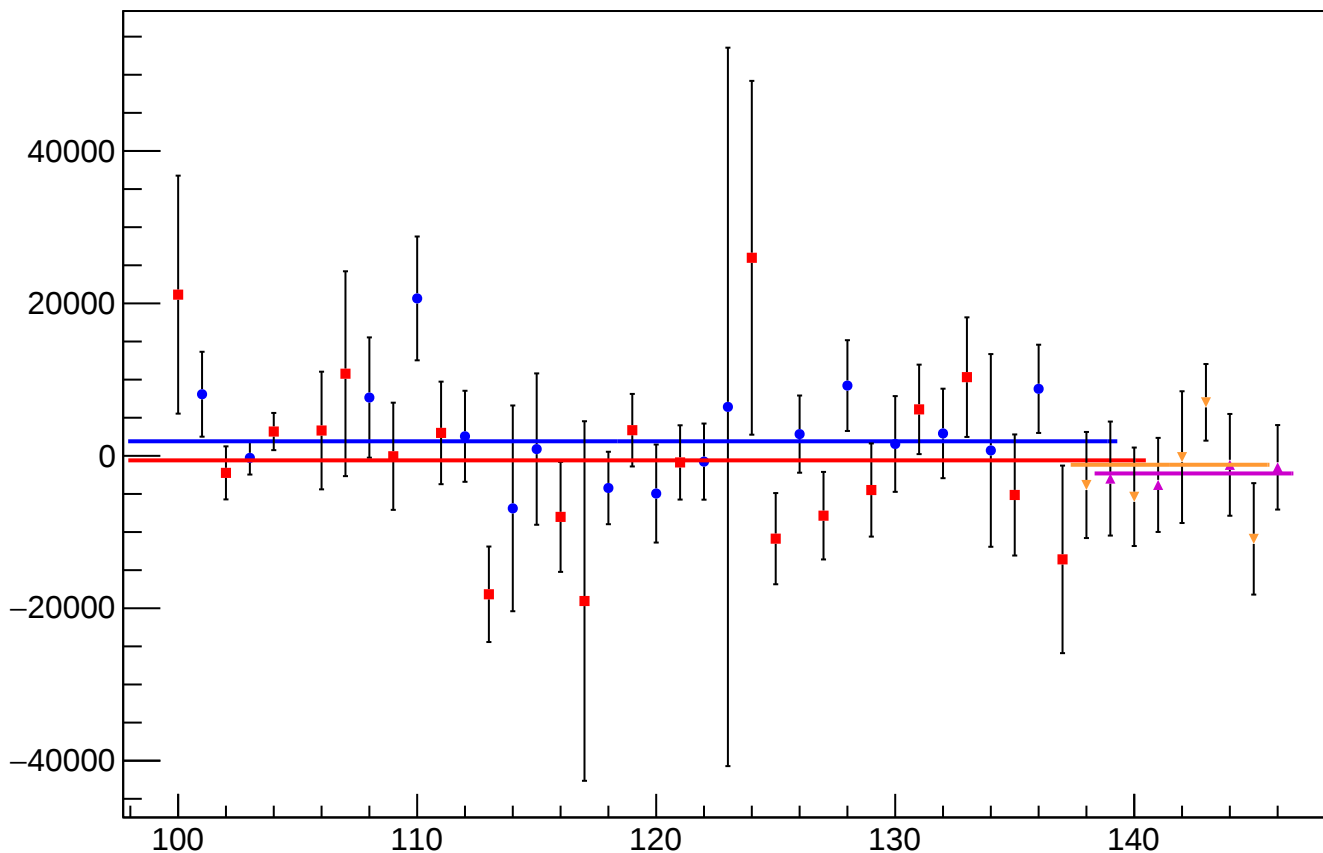
883.407+/-0.317 χ^2/NDF : 12117777.8/21

Right Out: 680.110+/-0.307 χ^2/NDF : 8447884.2/19

776.605+/-0.303 χ^2/NDF : 13254149.8/23

Left In: 5293.584+/-2.097 χ^2/NDF : 67692.2/3

asym_atl_avg_mean vs Slug



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

Left Out: -1169.921+/-2932.529 χ^2/NDF : 5.0/4

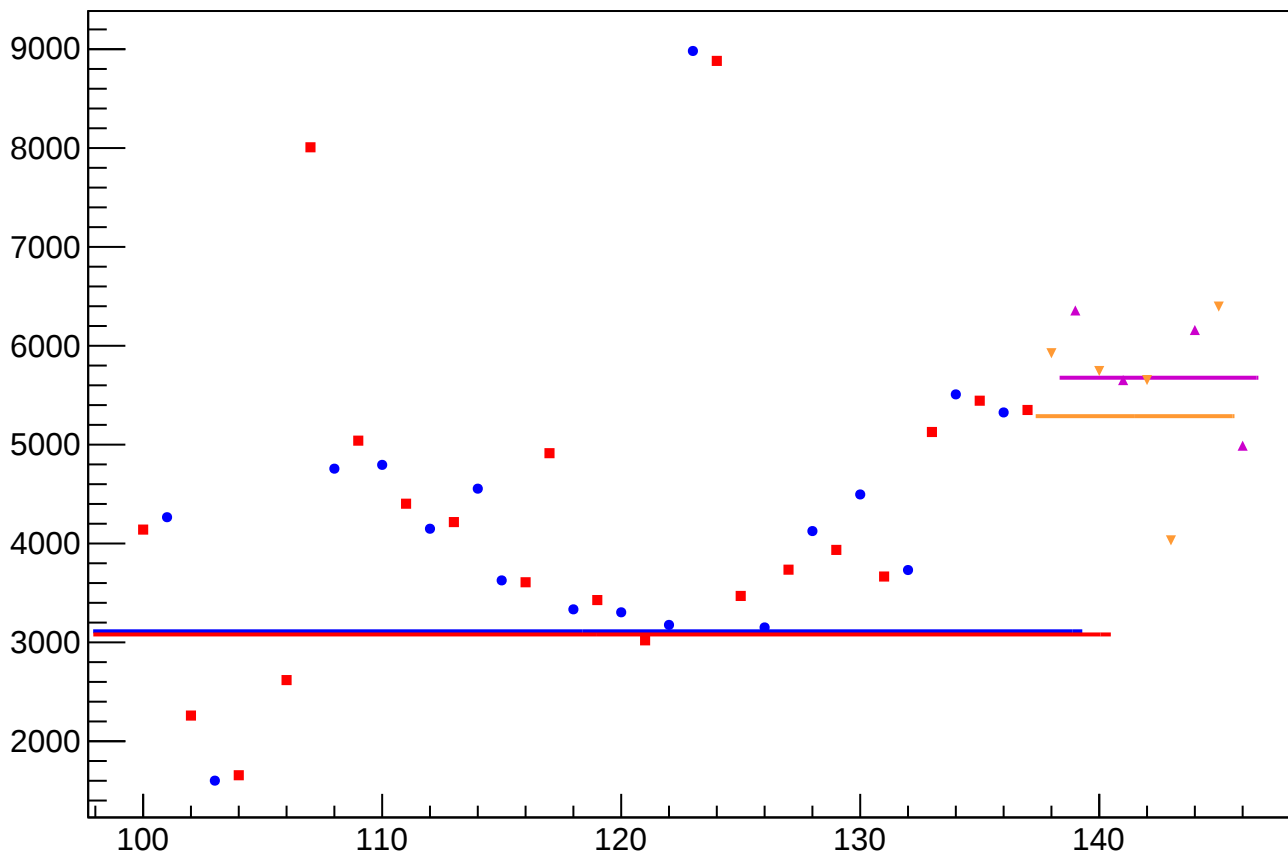
Right Out: -594.380+/-1283.911 χ^2/NDF : 27.0/19

Left In: -2311.136+/-3176.664 χ^2/NDF : 0.1/3

1396.950+/-1196.250 χ^2/NDF : 20.5/21

-835.440+/-1190.363 χ^2/NDF : 27.4/23

asym_atl_avg_rms vs Slug



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

Left Out: 5287.957+/-2.074 χ^2/NDF : 201201.5/4

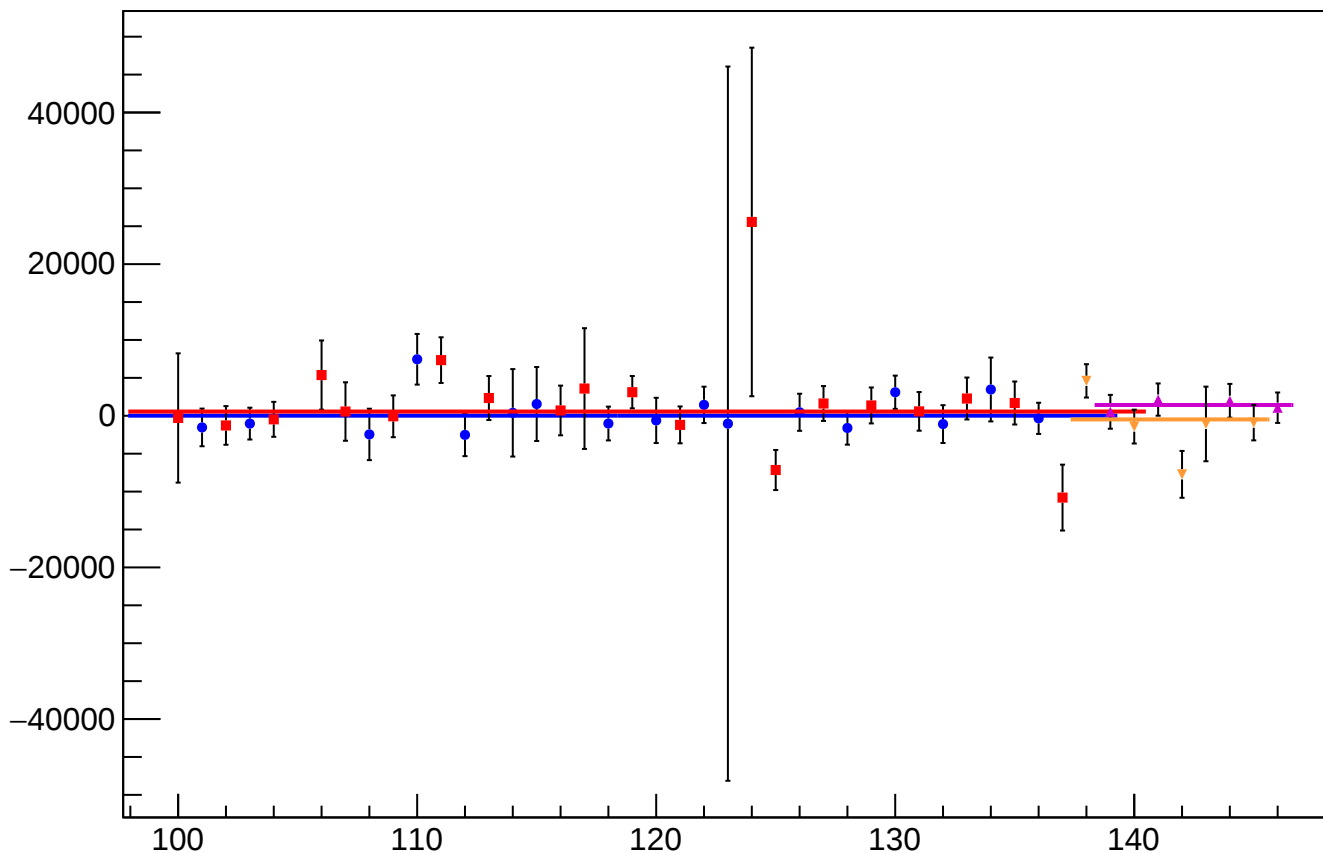
Right Out: 3080.063+/-0.895 χ^2/NDF : 2017746.3/19

Left In: 5676.815+/-2.246 χ^2/NDF : 57790.1/3

3473.935+/-0.846 χ^2/NDF : 2998824.6/21

3435.673+/-0.831 χ^2/NDF : 3228955.8/23

reg_asym_atl_dd_mean vs Slug



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

Left Out: -481.016 ± 1164.745 χ^2/NDF : 11.1/4

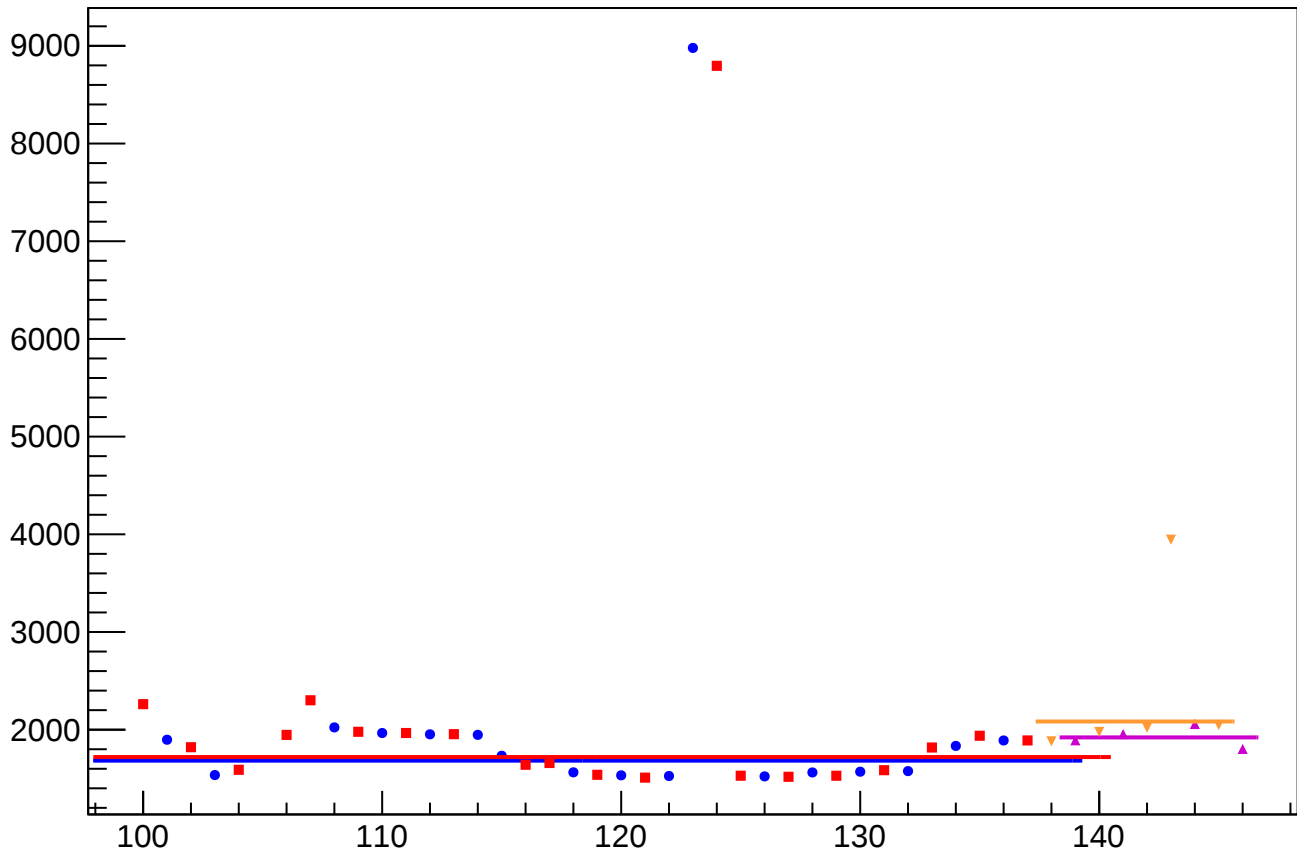
Right Out: 558.377 ± 658.875 χ^2/NDF : 26.8/19

Left In: 1422.283 ± 1071.037 χ^2/NDF : 0.4/3

-106.528 ± 574.944 χ^2/NDF : 22.3/21

795.556 ± 561.189 χ^2/NDF : 27.7/23

reg_asym_atl_dd_rms vs Slug



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

Left Out: 2083.961+/-0.824 χ^2/NDF : 309286.9/4

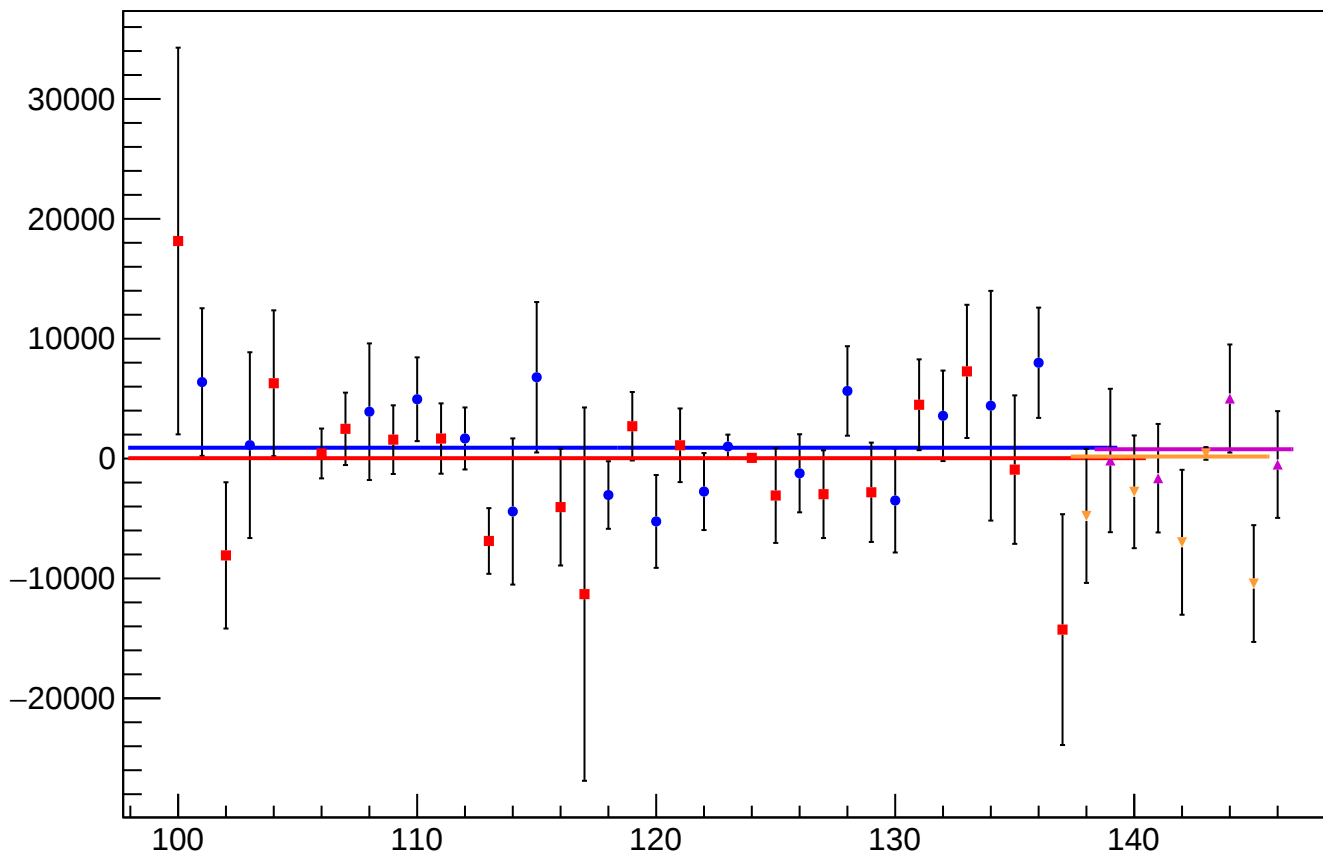
Right Out: 1719.963+/-0.464 χ^2/NDF : 396217.5/19

Left In: 1921.211+/-0.757 χ^2/NDF : 15346.3/3

1780.895+/-0.407 χ^2/NDF : 684211.1/21

1774.870+/-0.396 χ^2/NDF : 462911.4/23

asym_atl_dd_correction_mean vs Slug



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

Left Out: 169.248 ± 517.274 χ^2/NDF : 7.6/4

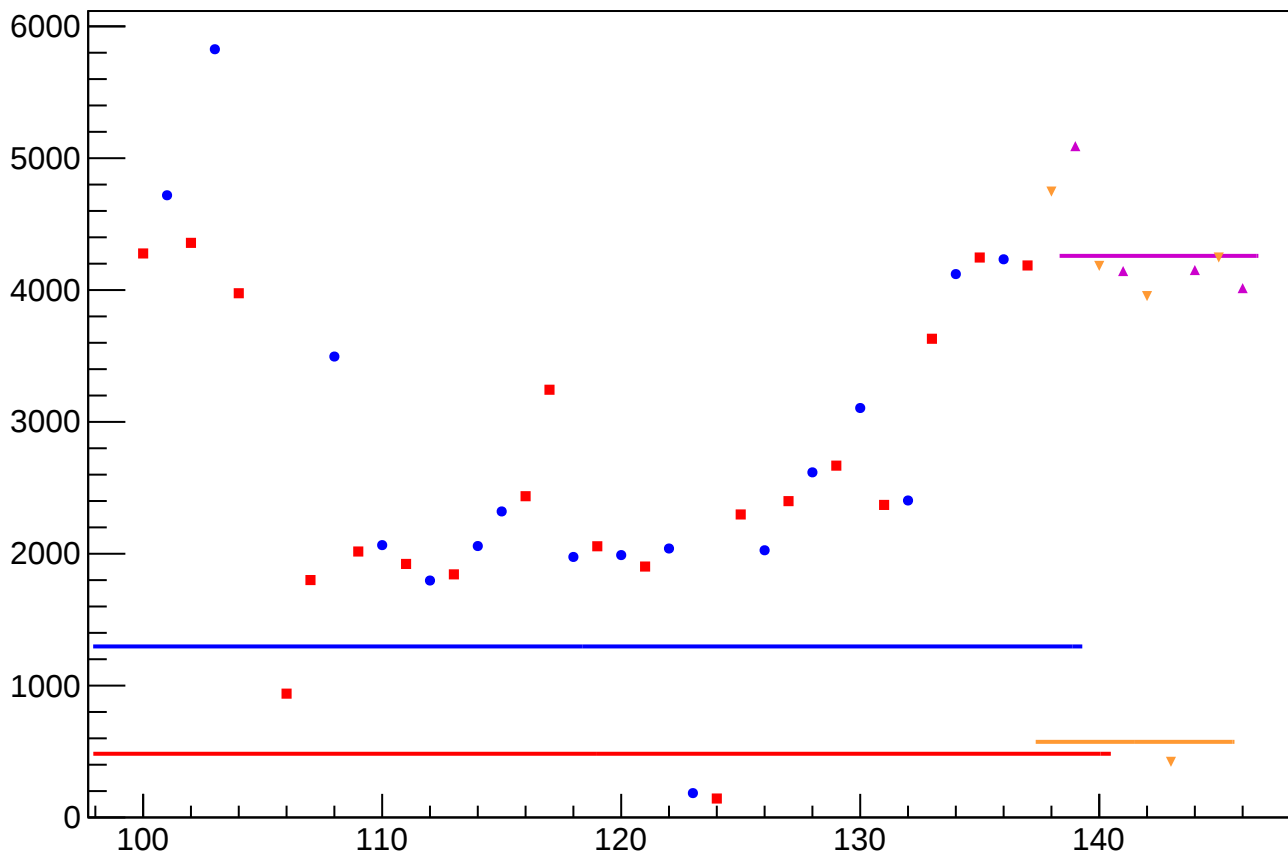
Right Out: 32.177 ± 357.083 χ^2/NDF : 21.0/19

Left In: 777.755 ± 2380.803 χ^2/NDF : 1.3/3

425.879 ± 417.172 χ^2/NDF : 24.3/21

48.580 ± 353.133 χ^2/NDF : 22.4/23

asym_atl_dd_correction_rms vs Slug



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

Left Out: 573.463+/-0.366 χ^2/NDF : 4221127.8/4

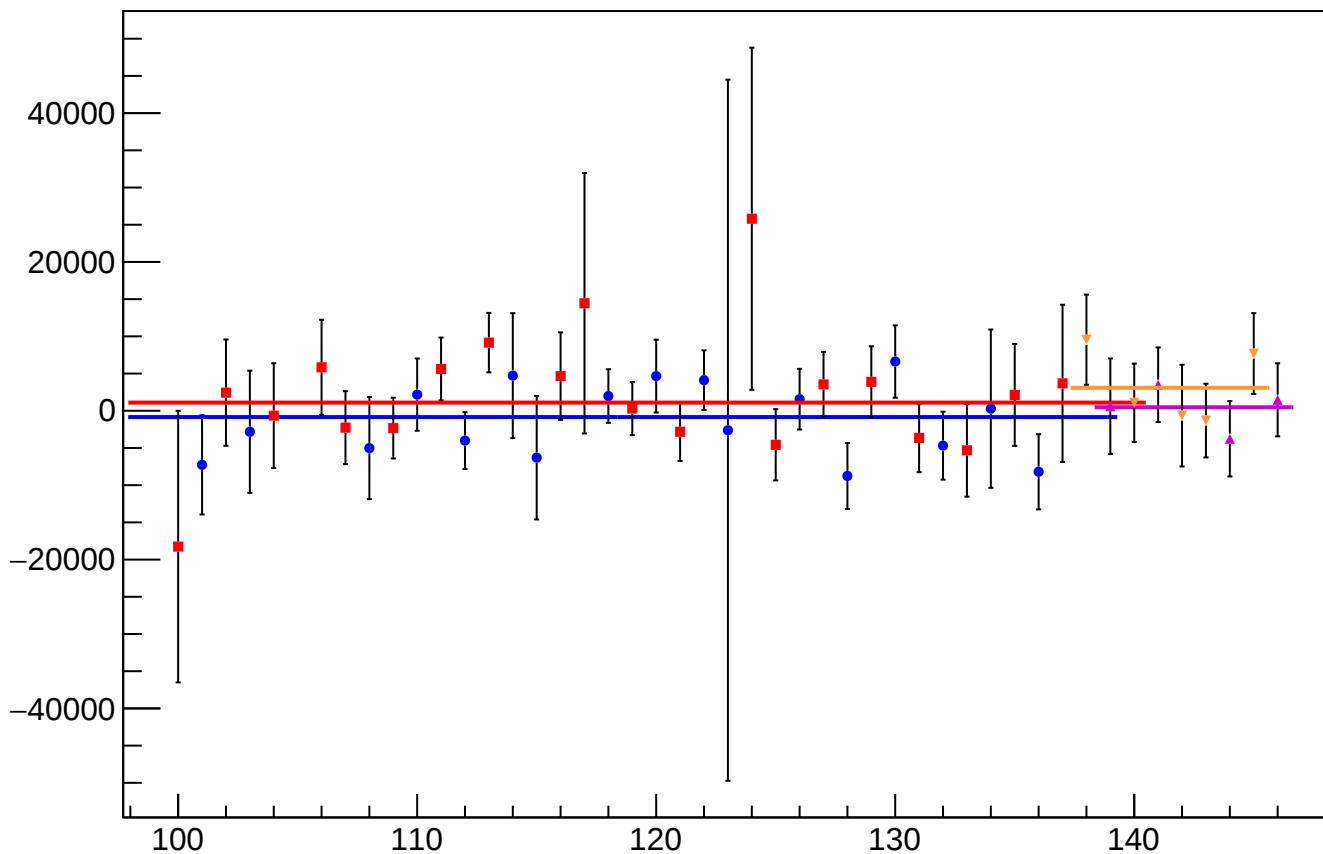
826.404+/-0.295 χ^2/NDF : 12098692.7/21

Right Out: 483.029+/-0.252 χ^2/NDF : 10207063.0/19

566.108+/-0.250 χ^2/NDF : 15175140.2/23

Left In: 4259.284+/-1.683 χ^2/NDF : 47179.2/3

asym_atl_dd_mean vs Slug



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

Left Out: 3080.910+/-2505.118 χ^2/NDF : 3.1/4

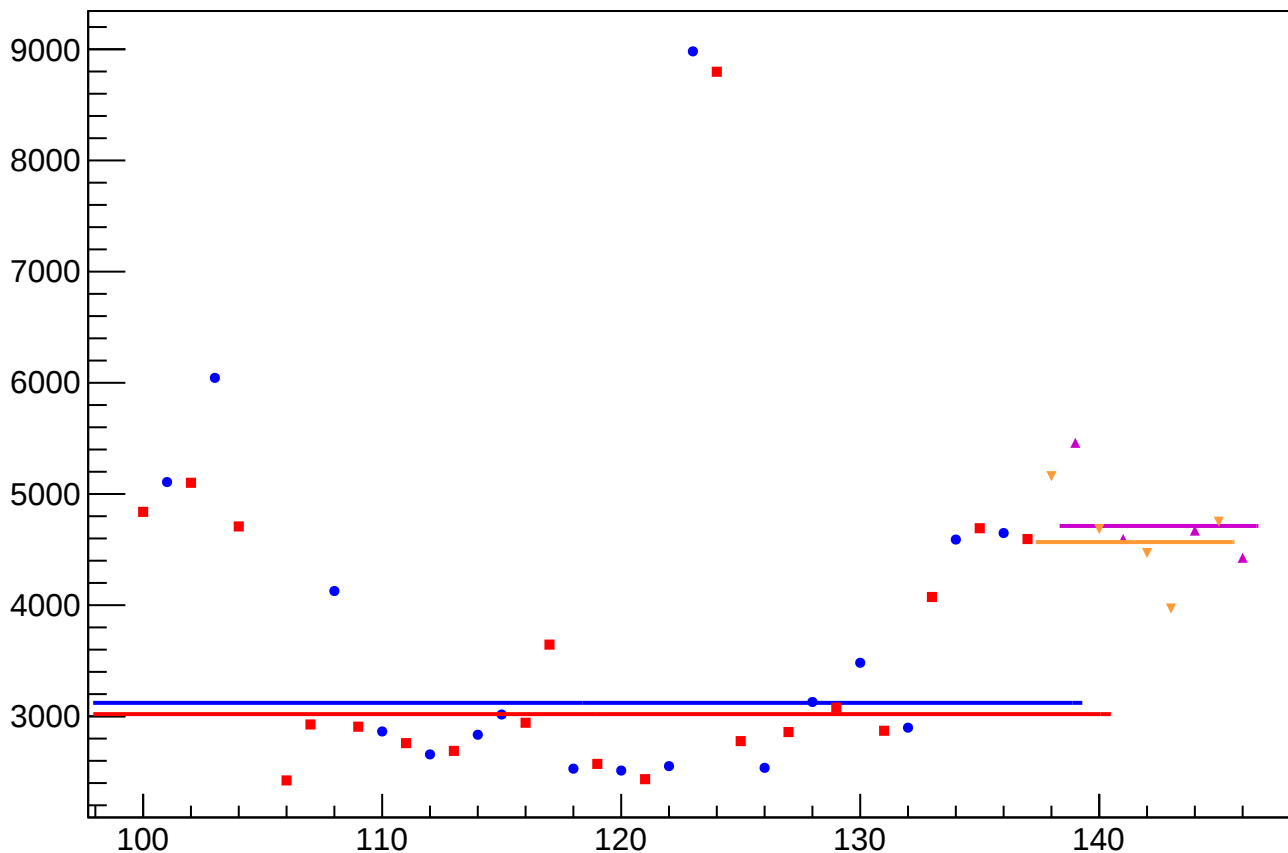
Right Out: 1095.033+/-1187.966 χ^2/NDF : 15.6/19

Left In: 469.772+/-2630.501 χ^2/NDF : 1.1/3

-54.809+/-1126.369 χ^2/NDF : 20.5/21

989.111+/-1082.678 χ^2/NDF : 16.7/23

asym_atl_dd_rms vs Slug



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

Left Out: 4567.597 ± 1.771 χ^2/NDF : 51921.0/4

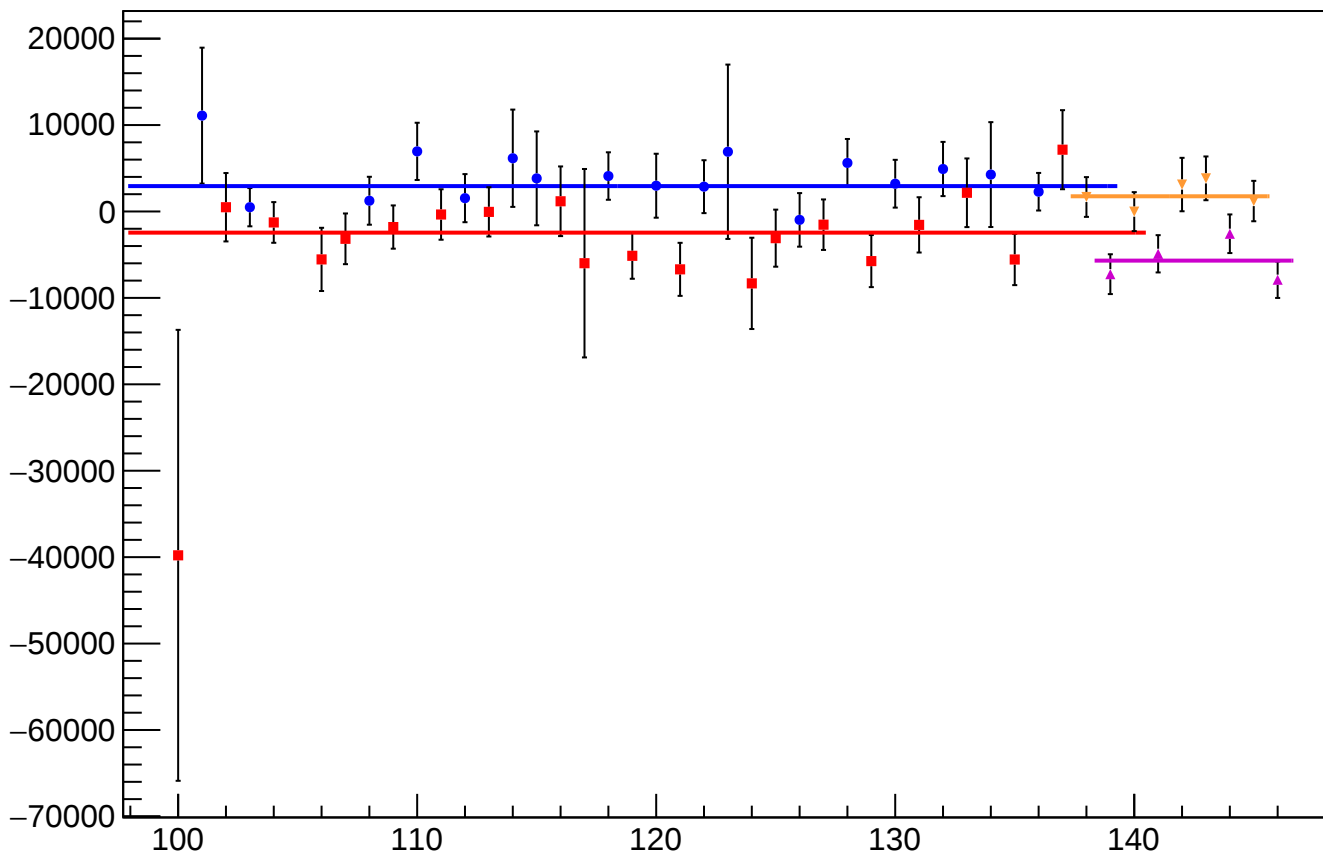
Right Out: 3020.039 ± 0.830 χ^2/NDF : 794563.8/19

Left In: 4712.466 ± 1.860 χ^2/NDF : 35158.9/3

3413.781 ± 0.796 χ^2/NDF : 1529409.5/21

3300.853 ± 0.758 χ^2/NDF : 1520245.8/23

reg_asym_atr_avg_mean vs Slug



Right In: 2935.827+/-775.365 χ^2/NDF : 8.2/16

Left Out: 1757.858+/-1098.031 χ^2/NDF : 1.5/4

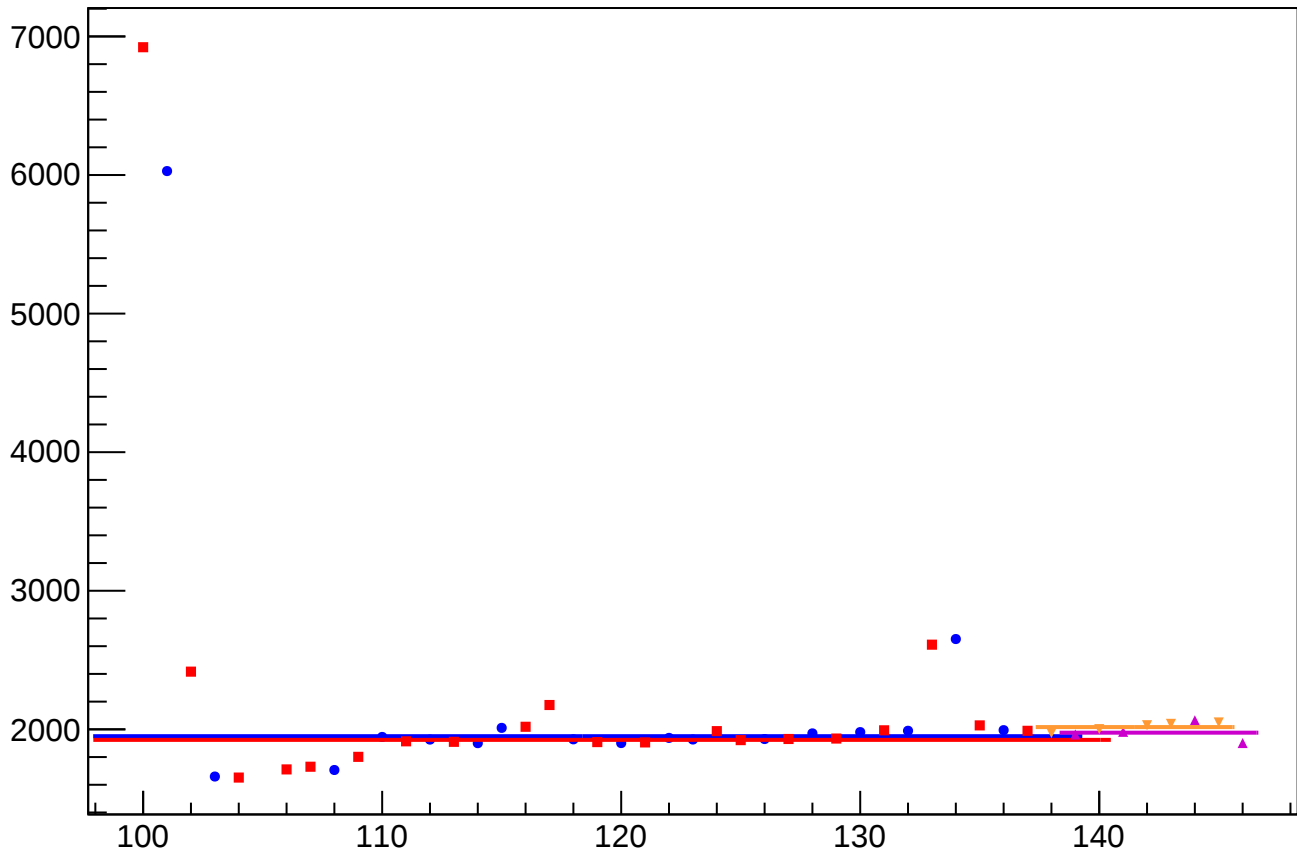
Right Out: -2449.072+/-738.715 χ^2/NDF : 18.3/19

Left In: -5686.390+/-1098.850 χ^2/NDF : 3.6/3

2543.886+/-633.371 χ^2/NDF : 10.5/21

-3456.734+/-613.060 χ^2/NDF : 27.9/23

reg_asym_atr_avg_rms vs Slug



Right In: 1950.615 ± 0.548 χ^2/NDF : 617332.2/16

Left Out: 2016.306 ± 0.776 χ^2/NDF : 1403.3/4

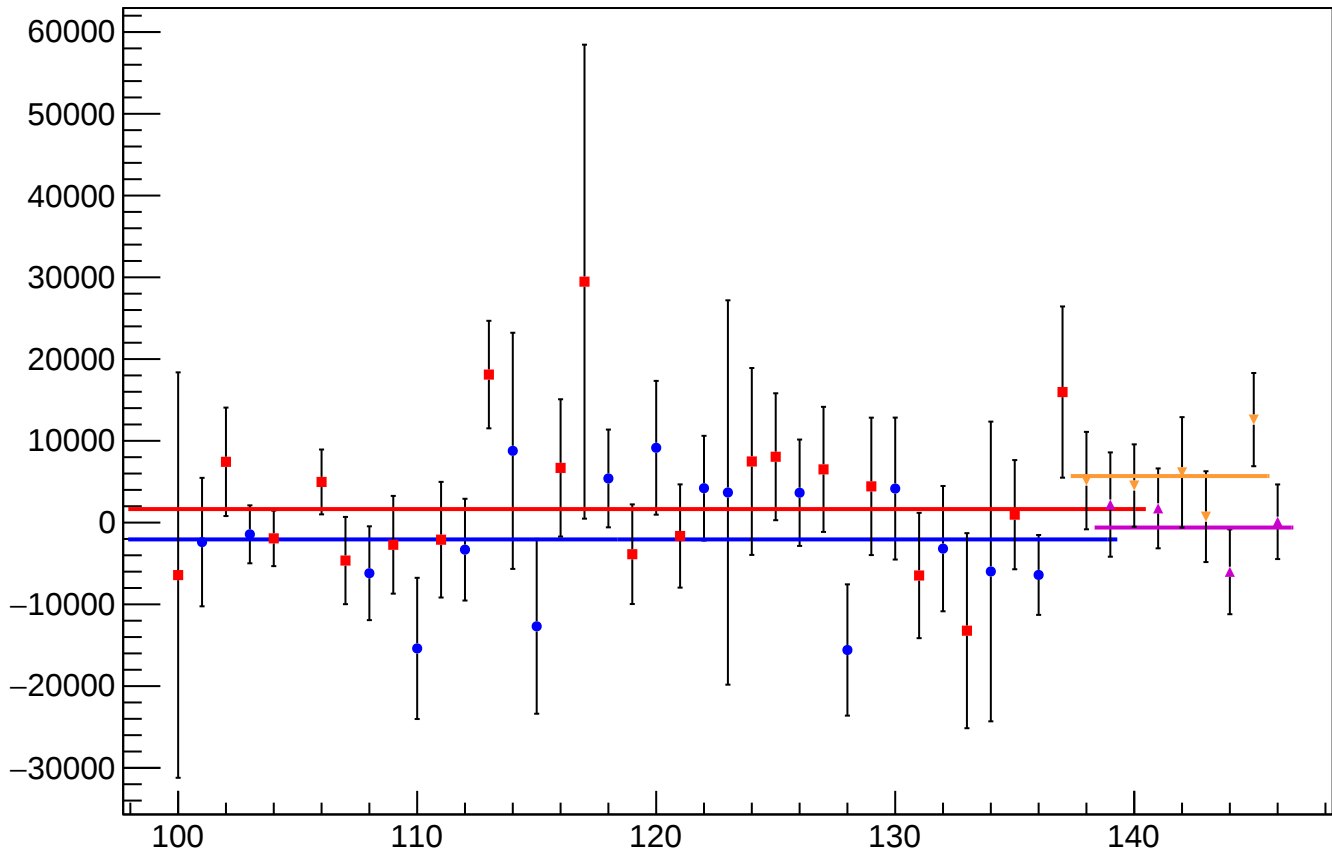
Right Out: 1923.907 ± 0.521 χ^2/NDF : 218470.6/19

Left In: 1975.929 ± 0.777 χ^2/NDF : 5762.9/3

1972.472 ± 0.448 χ^2/NDF : 623512.0/21

1940.048 ± 0.433 χ^2/NDF : 227325.3/23

asym_atr_avg_correction_mean vs Slug



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

Left Out: 5692.055+/-2559.448 χ^2/NDF : 2.3/4

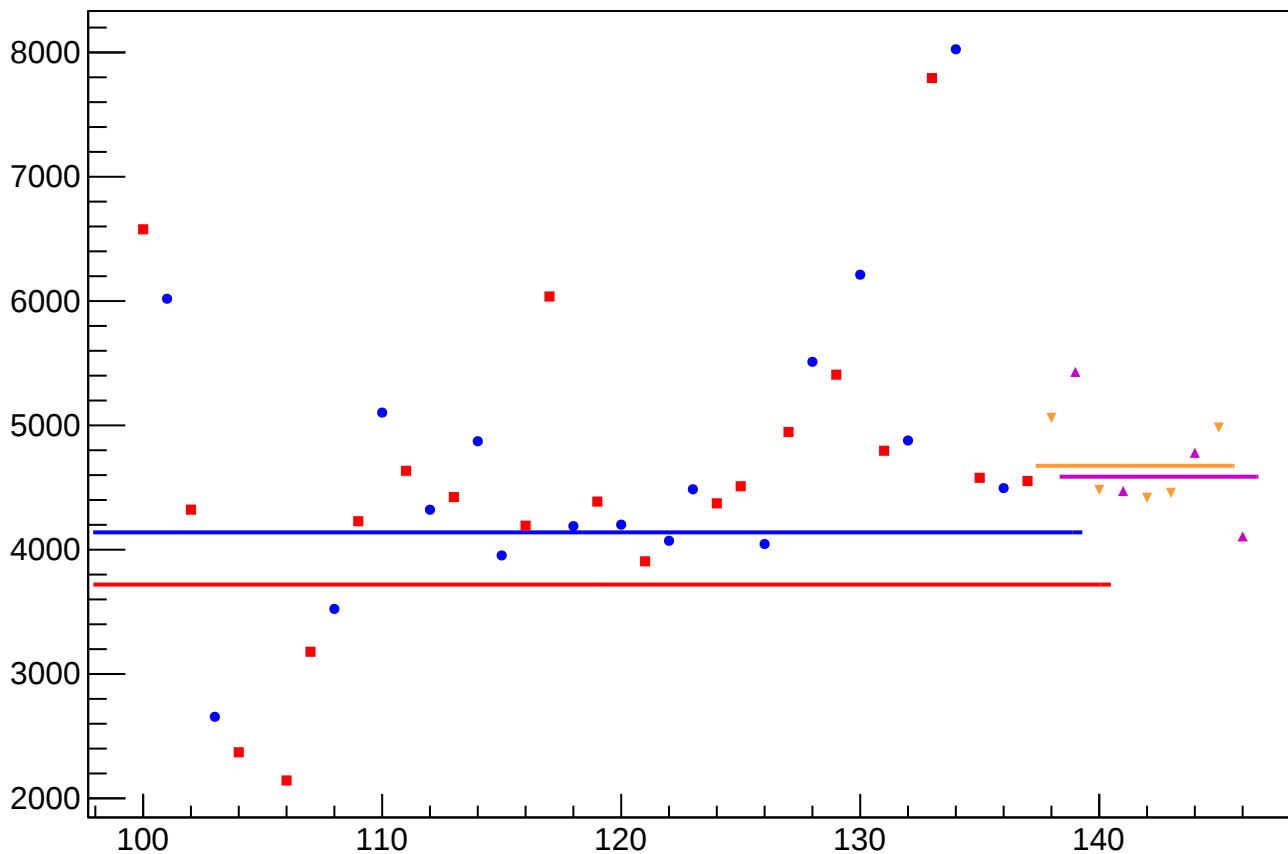
Right Out: 1652.978+/-1475.490 χ^2/NDF : 19.5/19

Left In: -604.468+/-2568.244 χ^2/NDF : 1.5/3

239.667+/-1393.358 χ^2/NDF : 22.7/21

1092.777+/-1279.380 χ^2/NDF : 21.6/23

asym_atr_avg_correction_rms vs Slug



Right In: 4139.394 ± 1.175 $\chi^2/\text{NDF}: 813550.8/16$

Left Out: 4674.778 ± 1.810 $\chi^2/\text{NDF}: 23172.4/4$

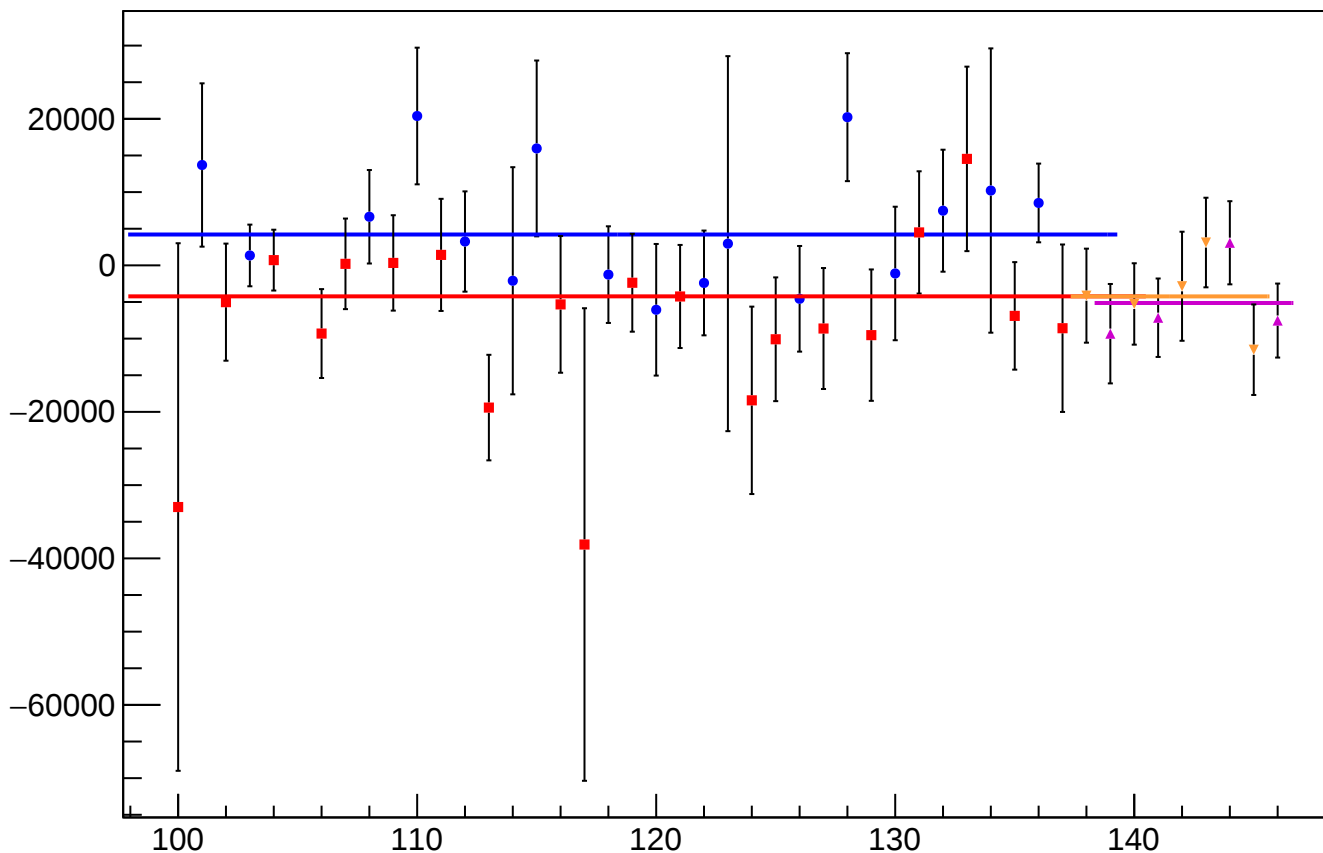
Right Out: 3719.546 ± 1.043 $\chi^2/\text{NDF}: 1288644.4/19$

Left In: 4587.147 ± 1.816 $\chi^2/\text{NDF}: 60911.1/3$

4298.065 ± 0.985 $\chi^2/\text{NDF}: 898299.5/21$

3934.847 ± 0.905 $\chi^2/\text{NDF}: 1521158.5/23$

asym_atr_avg_mean vs Slug



Right In: 4211.844+/-1871.304 χ^2/NDF : 14.4/16

Left Out: -4237.364+/-2798.699 χ^2/NDF : 2.9/4

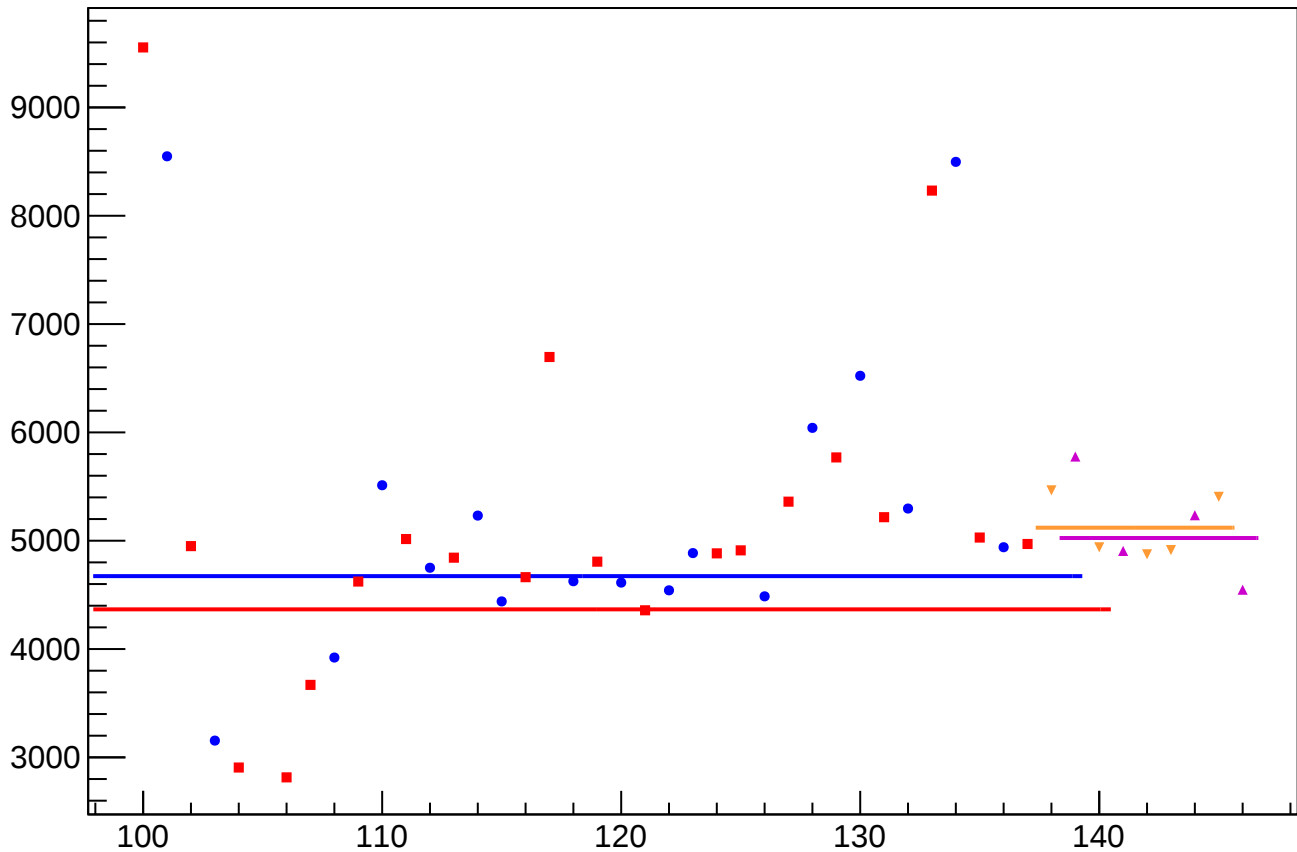
Right Out: -4230.596+/-1722.878 χ^2/NDF : 15.9/19

Left In: -5136.795+/-2807.766 χ^2/NDF : 2.8/3

1601.471+/-1555.605 χ^2/NDF : 23.6/21

-4478.468+/-1468.464 χ^2/NDF : 18.8/23

asym_atr_avg_rms vs Slug



Right In: 4673.046 ± 1.323 χ^2/NDF : 777321.1/16

Left Out: 5120.288 ± 1.979 χ^2/NDF : 16624.0/4

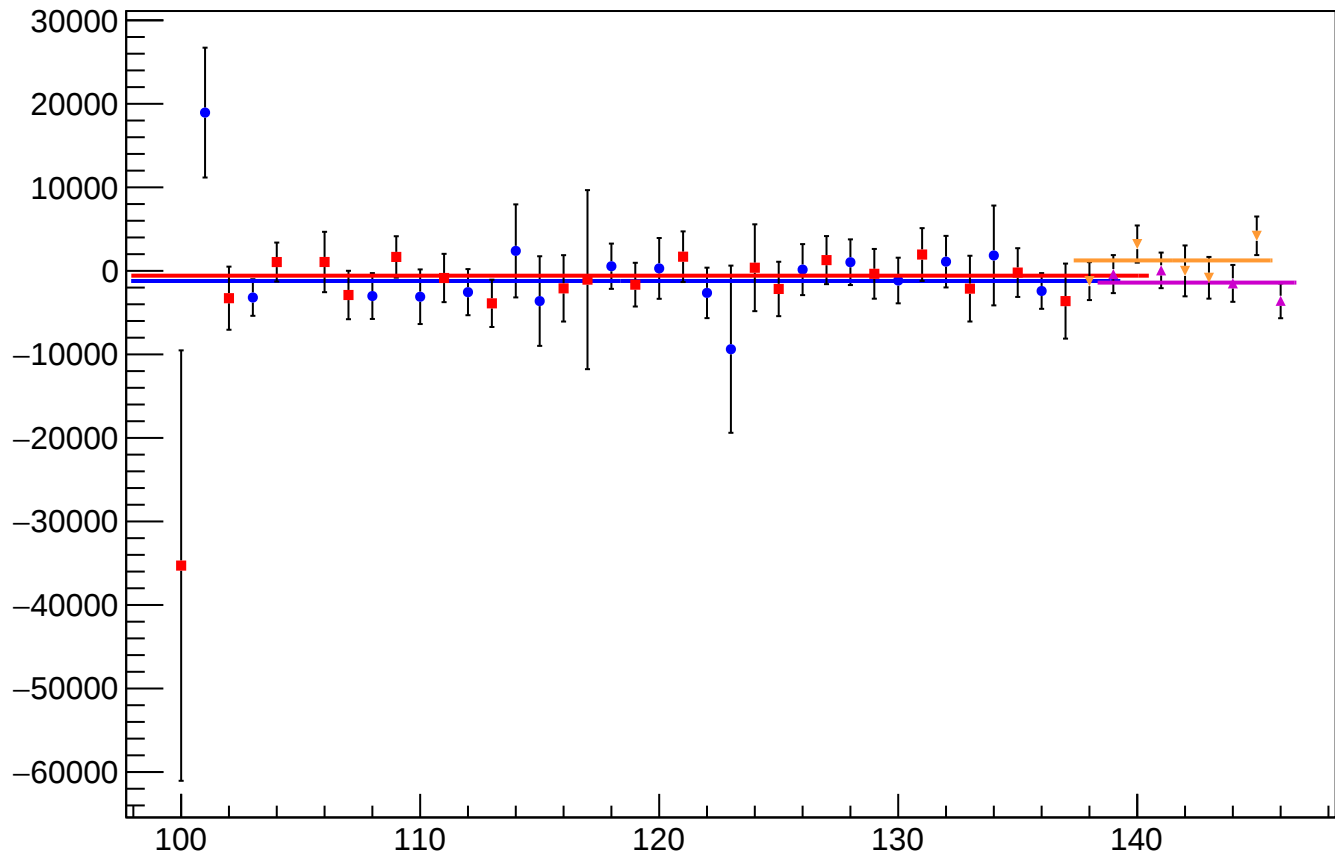
Right Out: 4366.422 ± 1.211 χ^2/NDF : 842654.3/19

Left In: 5024.973 ± 1.985 χ^2/NDF : 46166.5/3

4811.221 ± 1.100 χ^2/NDF : 829240.2/21

4545.048 ± 1.034 χ^2/NDF : 969001.6/23

reg_asym_atr_dd_mean vs Slug



Right In: -1211.176+/-765.294 χ^2/NDF : 12.7/16

Left Out: 1250.520+/-1083.544 χ^2/NDF : 4.5/4

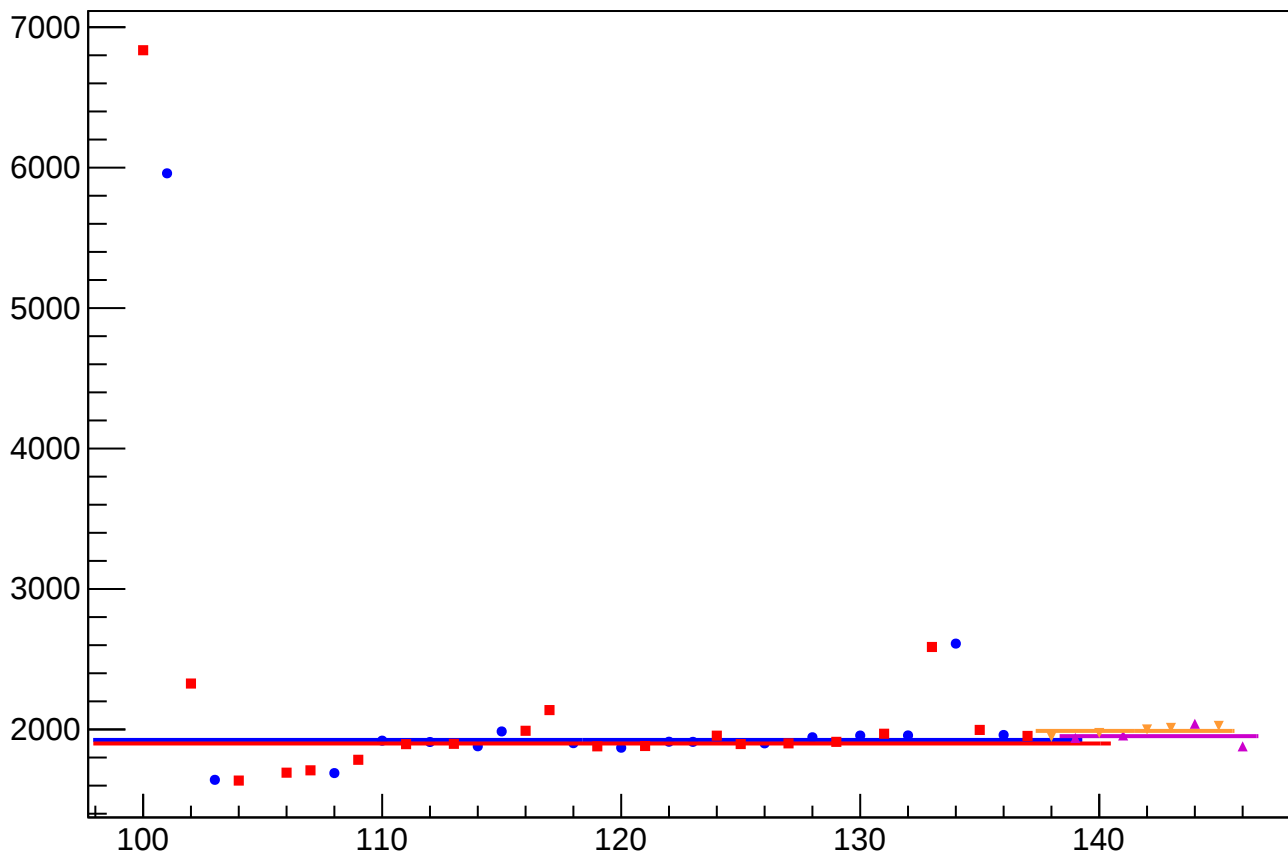
Right Out: -575.663+/-728.976 χ^2/NDF : 8.7/19

Left In: -1405.218+/-1085.661 χ^2/NDF : 1.8/3

-391.878+/-625.101 χ^2/NDF : 20.6/21

-833.448+/-605.203 χ^2/NDF : 10.9/23

reg_asym_atr_dd_rms vs Slug



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1989.651+/-0.766 χ^2/NDF :1435.3/4

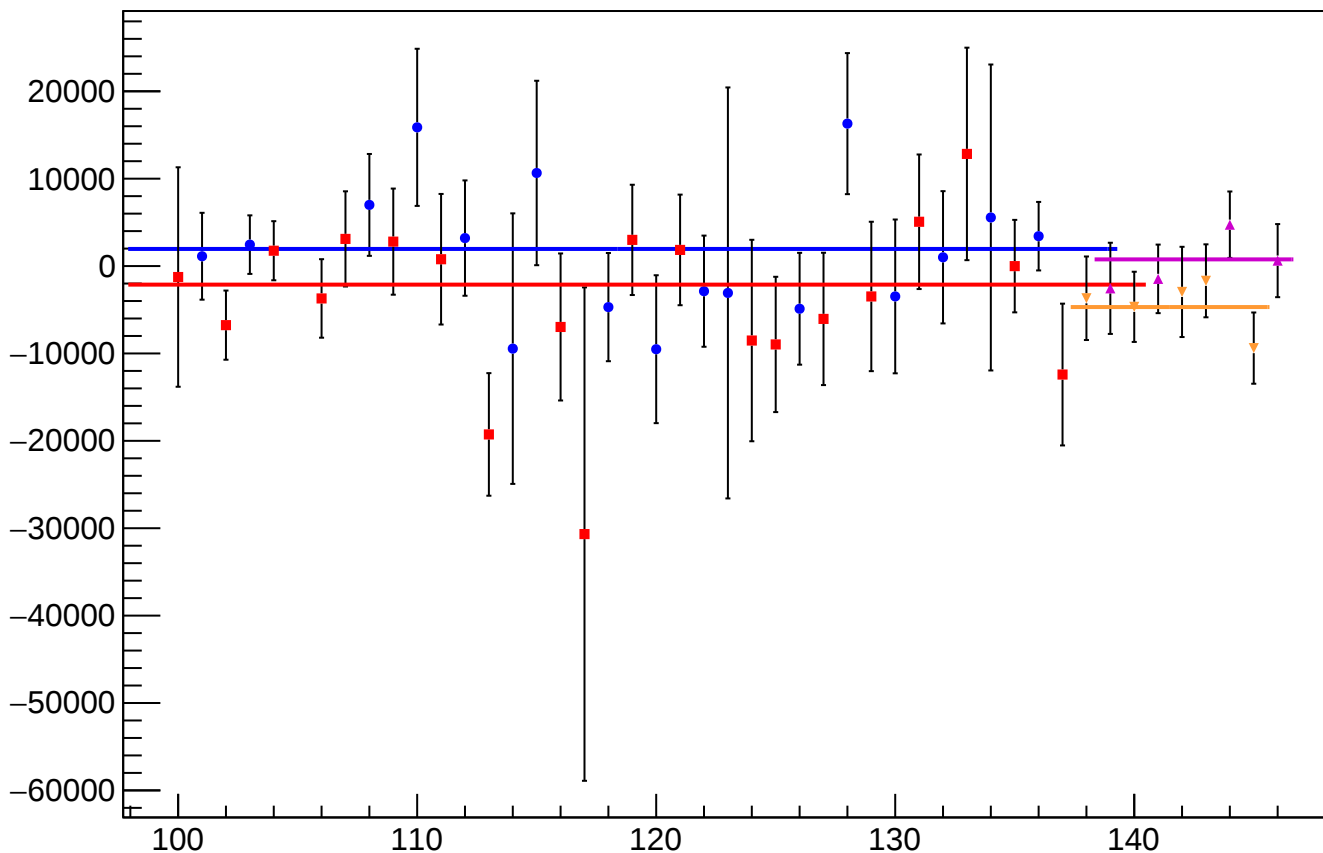
Right Out: 1899.955+/-0.514 χ^2/NDF : 211865.1/19

Left In: 1952.263+/-0.768 χ^2/NDF :5684.9/3

1946.731+/-0.442 χ^2/NDF : 622002.4/21

1916.159+/-0.427 χ^2/NDF : 220754.5/23

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060 ± 1556.840 χ^2/NDF : 12.9/16

Left Out: -4690.813 ± 1957.874 χ^2/NDF : 2.0/4

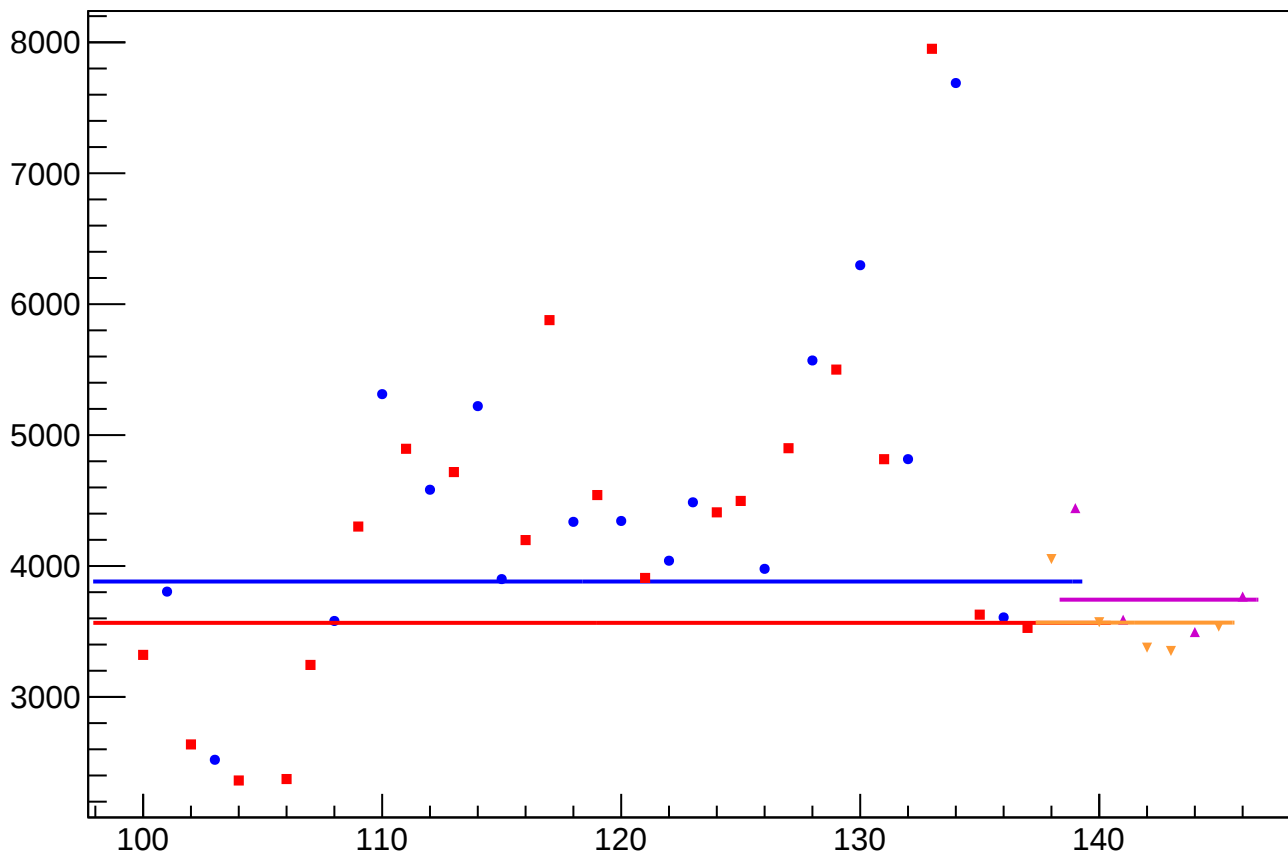
Right Out: -2124.415 ± 1411.872 χ^2/NDF : 18.5/19

Left In: 763.957 ± 2093.590 χ^2/NDF : 1.8/3

-616.869 ± 1218.555 χ^2/NDF : 22.0/21

-1221.470 ± 1170.566 χ^2/NDF : 21.6/23

asym_atr_dd_correction_rms vs Slug



Right In: 3881.577 ± 1.101 $\chi^2/\text{NDF}: 817466.6/16$

Left Out: 3567.643 ± 1.384 $\chi^2/\text{NDF}: 28868.4/4$

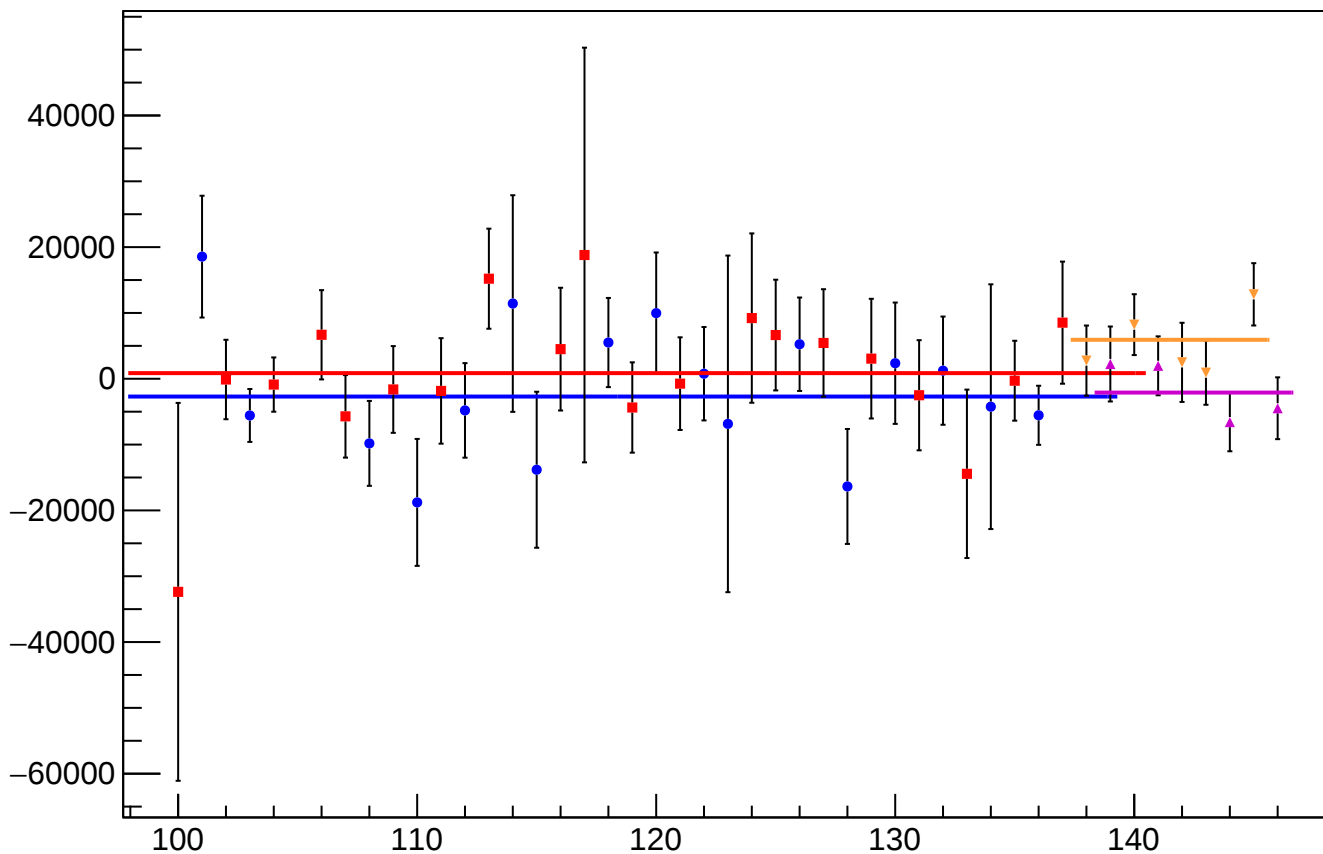
Right Out: 3565.851 ± 0.998 $\chi^2/\text{NDF}: 1254973.6/19$

Left In: 3742.886 ± 1.480 $\chi^2/\text{NDF}: 47540.6/3$

3759.970 ± 0.862 $\chi^2/\text{NDF}: 877837.2/21$

3621.195 ± 0.828 $\chi^2/\text{NDF}: 1312344.4/23$

asym_atr_dd_mean vs Slug



Right In: -2700.702+/-1809.055 χ^2 /NDF: 19.8/16

Left Out: 5921.236+/-2257.197 χ^2 /NDF: 4.1/4

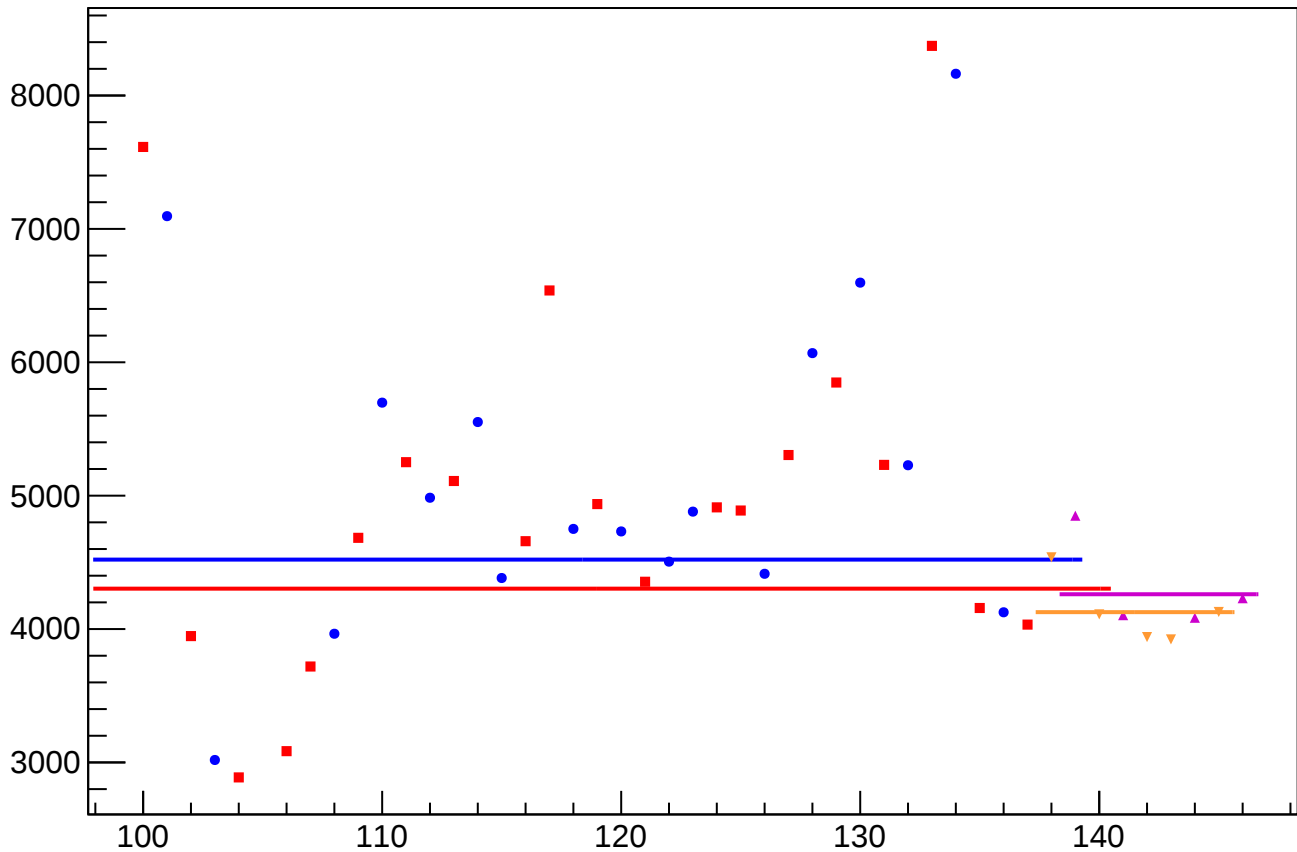
Right Out: 857.617+/-1687.925 χ^2 /NDF: 11.9/19

Left In: -2096.565+/-2376.602 χ^2 /NDF: 2.7/3

671.446+/-1411.628 χ^2 /NDF: 32.7/21

-132.898+/-1376.158 χ^2 /NDF: 15.6/23

asym_atr_dd_rms vs Slug



Right In: 4520.685+/-1.279 χ^2/NDF : 770887.4/16

Left Out: 4126.766+/-1.596 χ^2/NDF :17361.0/4

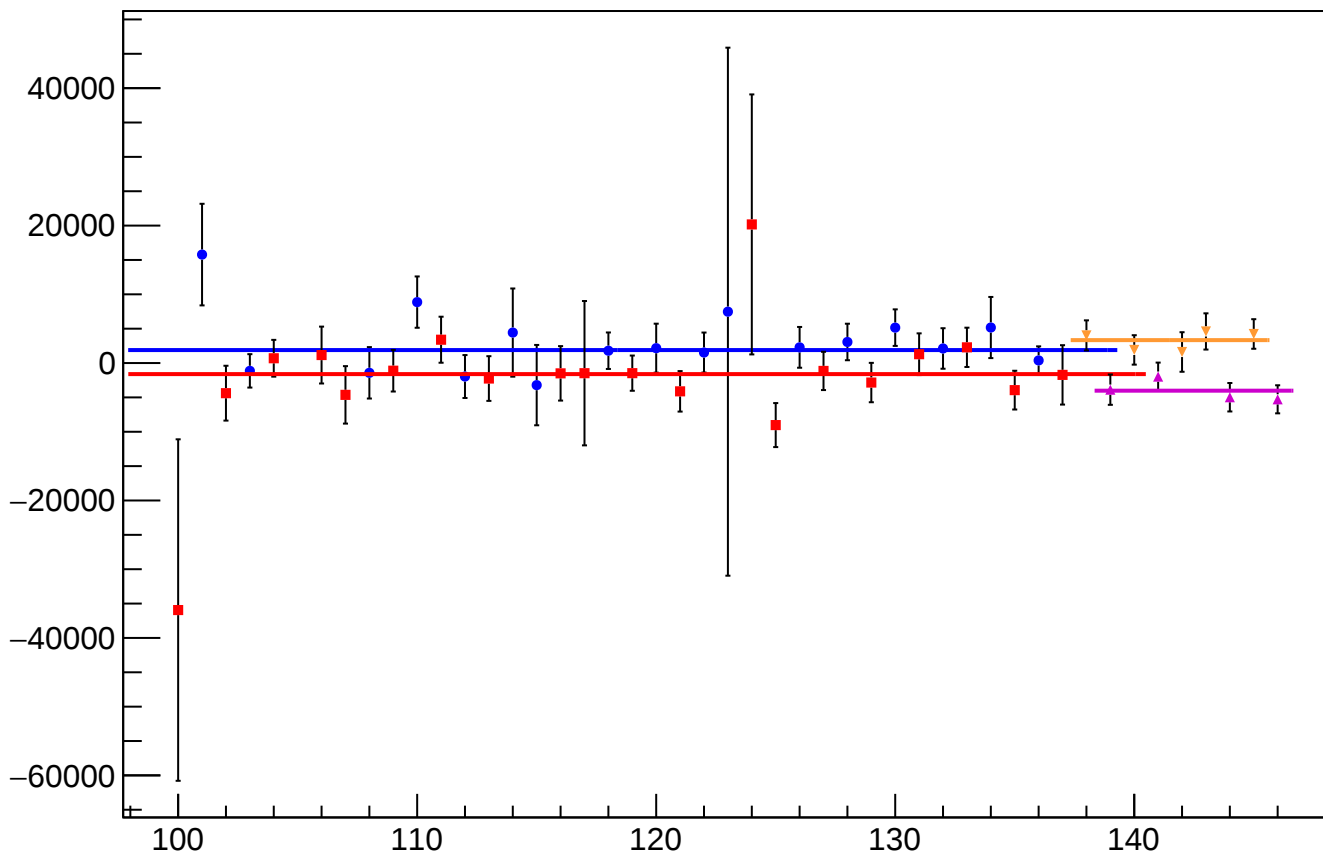
4366.618+/-0.998 χ^2/NDF : 825337.1/21

Right Out: 4302.892+/-1.187 χ^2/NDF : 781886.1/19

4288.937+/-0.970 χ^2/NDF : 809387.2/23

Left In: 4260.961+/-1.681 χ^2/NDF :27085.7/3

reg_asym_at1_avg_mean vs Slug



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

Left Out: 3334.140 ± 1049.662 χ^2/NDF : 1.3/4

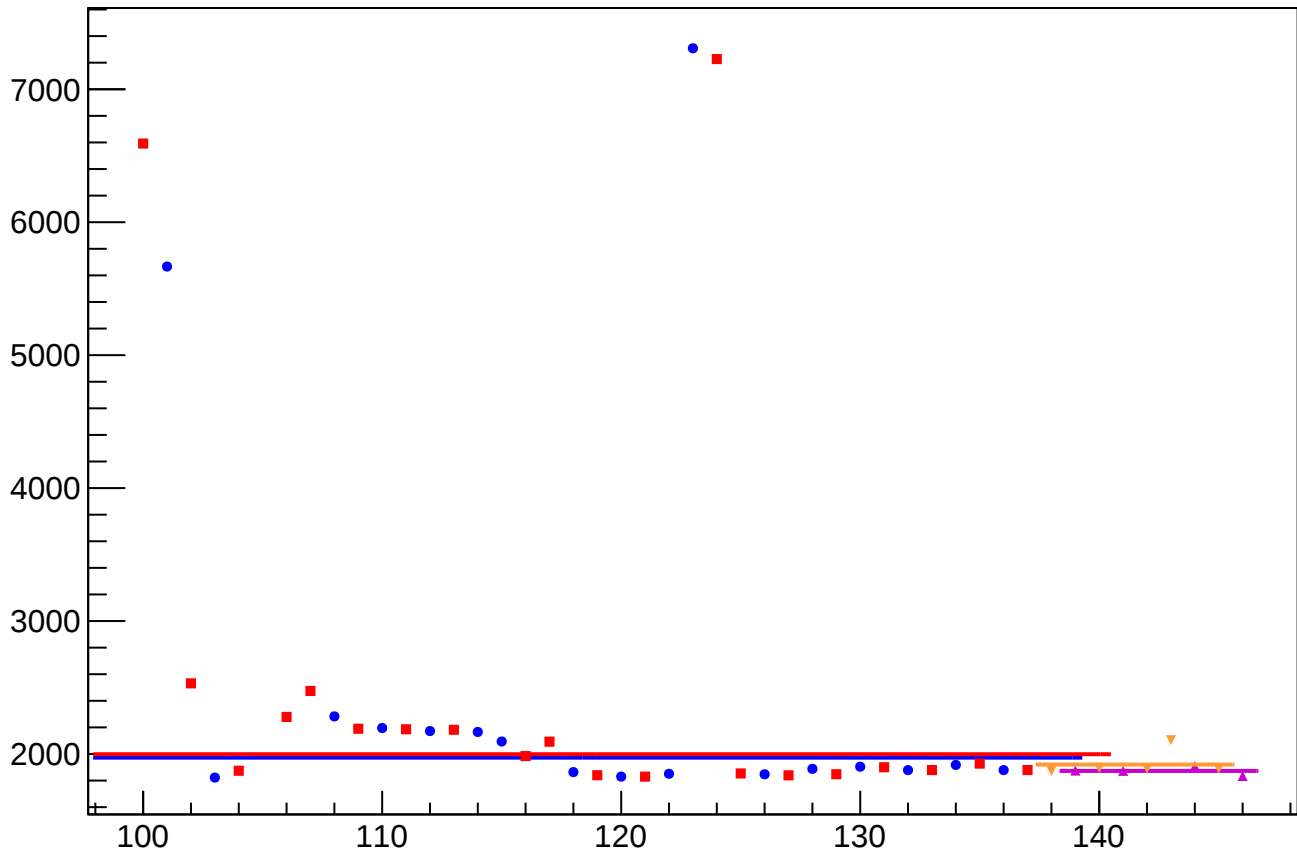
Right Out: -1609.604 ± 763.815 χ^2/NDF : 17.5/19

Left In: -4021.580 ± 1043.176 χ^2/NDF : 1.6/3

2405.658 ± 628.042 χ^2/NDF : 17.2/21

-2451.405 ± 616.276 χ^2/NDF : 22.6/23

reg_asym_at1_avg_rms vs Slug



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1920.520+/-0.742 χ^2/NDF : 11588.7/4

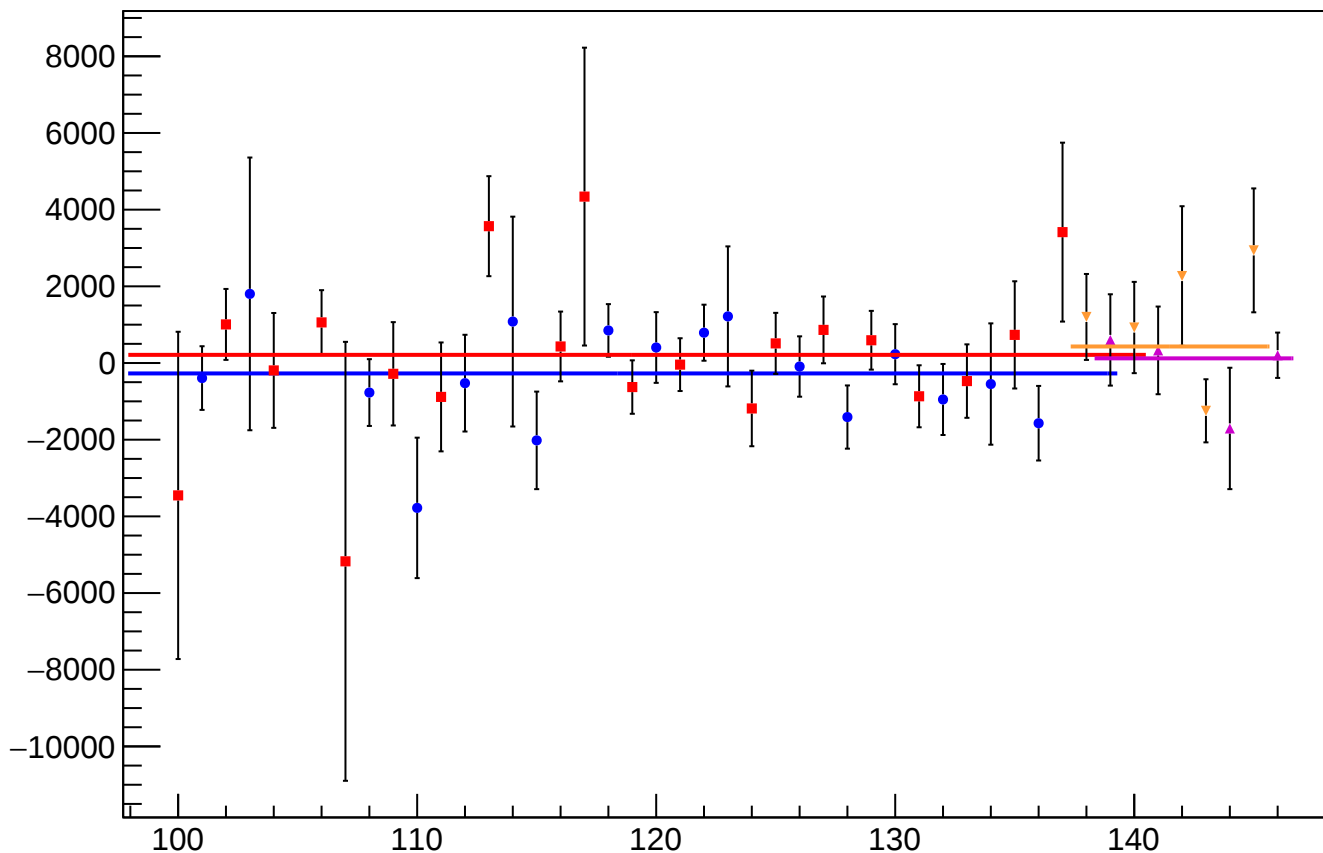
Right Out: 1998.150+/-0.540 χ^2/NDF : 355735.1/19

Left In: 1872.523+/-0.738 χ^2/NDF : 1310.6/3

1953.881+/-0.444 χ^2/NDF : 615605.1/21

1954.305+/-0.436 χ^2/NDF : 375928.0/23

asym_at1_avg_correction_mean vs Slug



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

Left Out: 431.112 ± 522.561 χ^2/NDF : 8.2/4

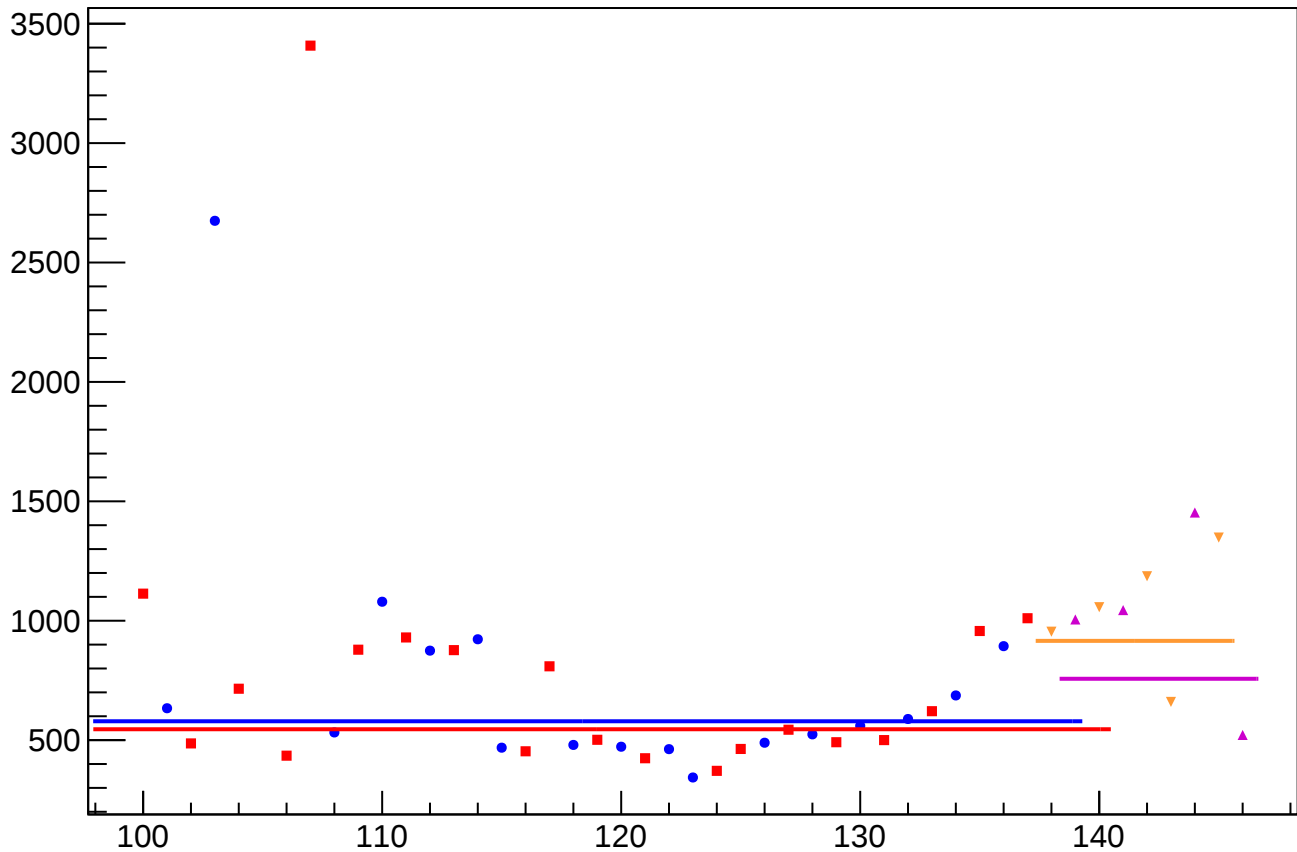
Right Out: 212.774 ± 228.638 χ^2/NDF : 20.9/19

Left In: 121.400 ± 459.824 χ^2/NDF : 1.5/3

-149.155 ± 218.258 χ^2/NDF : 26.9/21

194.661 ± 204.727 χ^2/NDF : 22.4/23

asym_at1_avg_correction_rms vs Slug



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

Left Out: 915.679 ± 0.370 χ^2/NDF : 410806.3/4

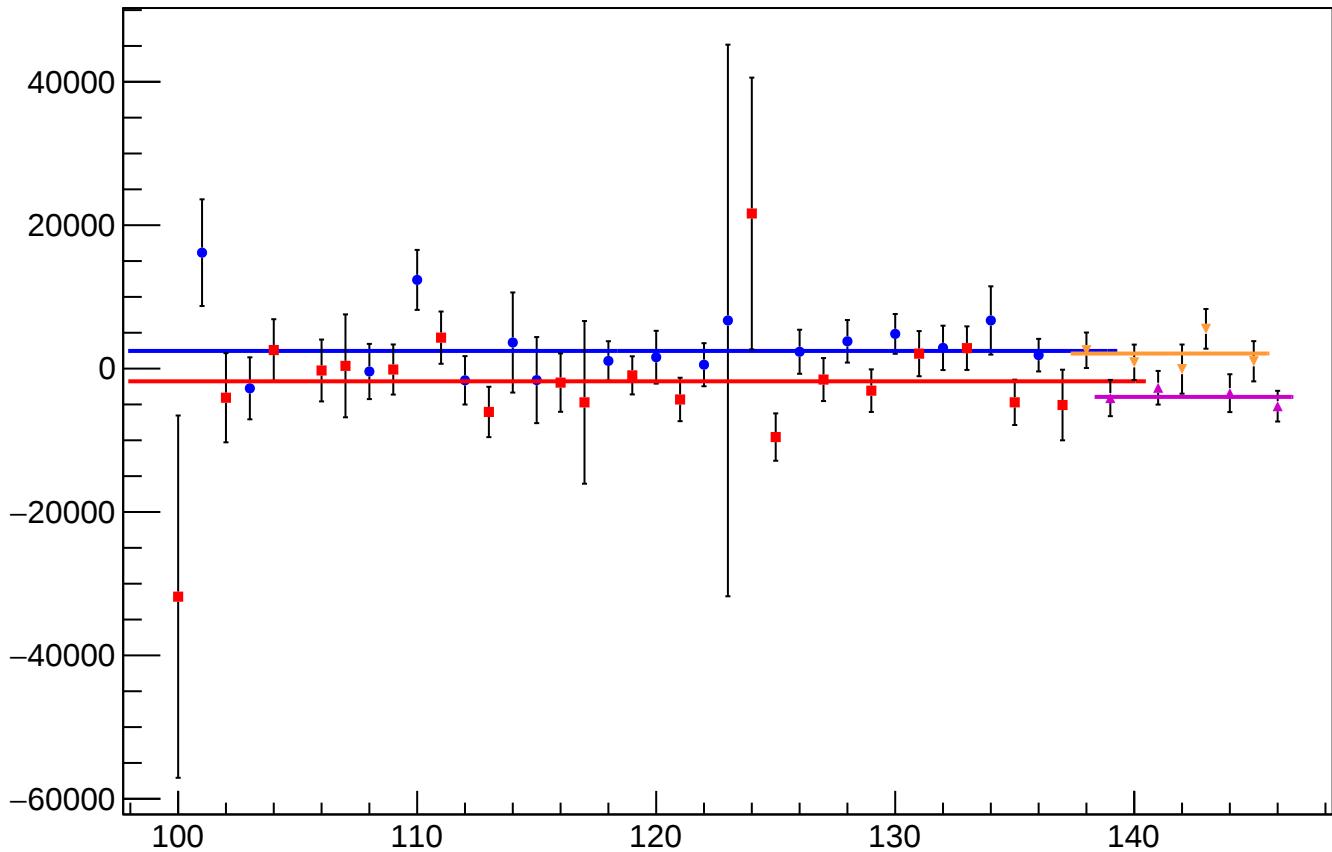
Right Out: 545.590 ± 0.162 χ^2/NDF : 1467038.8/19

Left In: 756.948 ± 0.325 χ^2/NDF : 916782.3/3

637.742 ± 0.154 χ^2/NDF : 2518293.7/21

587.487 ± 0.145 χ^2/NDF : 2722614.4/23

asym_at1_avg_mean vs Slug



Right In: 2464.076+/-863.197 χ^2/NDF : 15.5/16

Left Out: 2101.662+/-1222.034 χ^2/NDF : 2.4/4

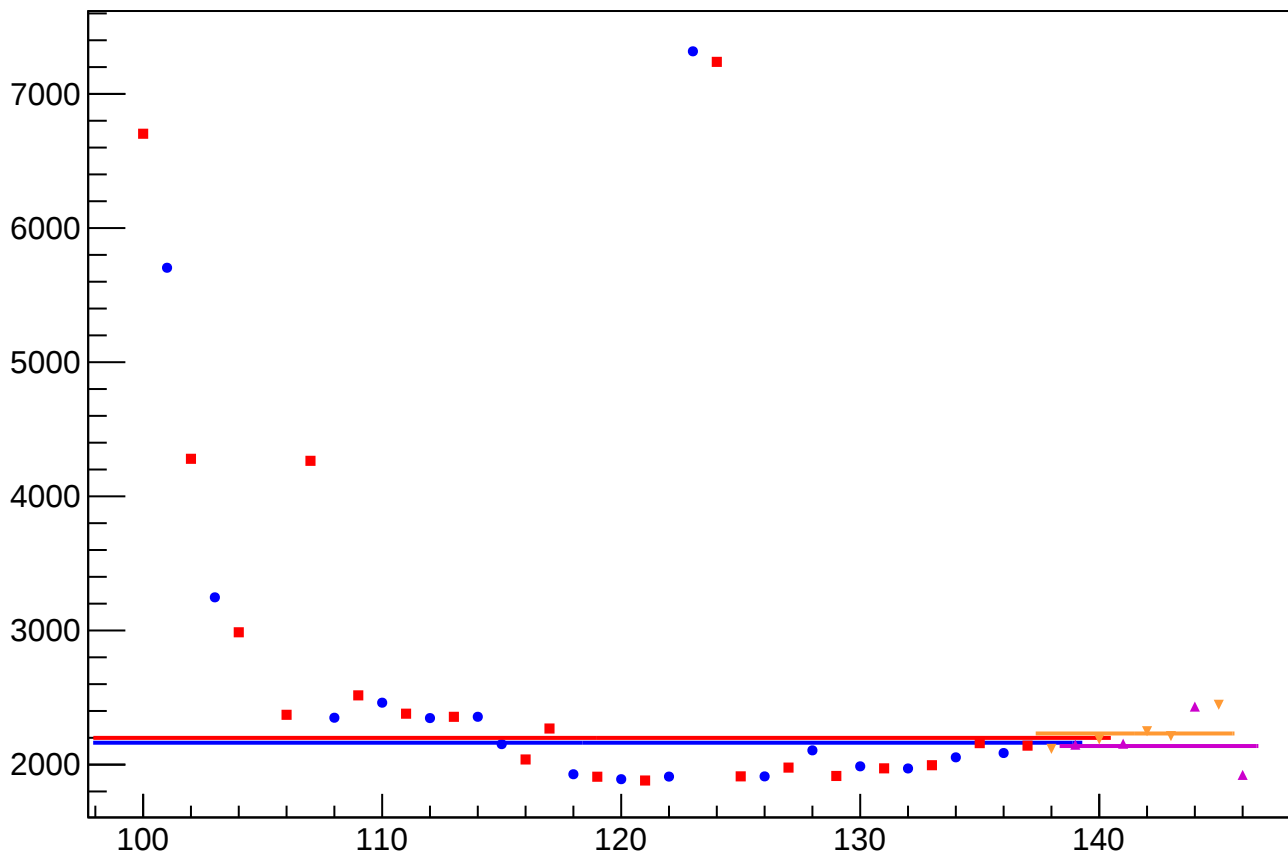
Right Out: -1773.396+/-850.889 χ^2/NDF : 20.5/19

Left In: -3948.186+/-1195.853 χ^2/NDF : 0.7/3

2343.441+/-705.045 χ^2/NDF : 18.0/21

-2504.370+/-693.298 χ^2/NDF : 23.4/23

asym_at1_avg_rms vs Slug



Right In: 2163.303+/-0.610 χ^2/NDF : 709584.4/16

Left Out: 2232.135+/-0.864 χ^2/NDF :16730.9/4

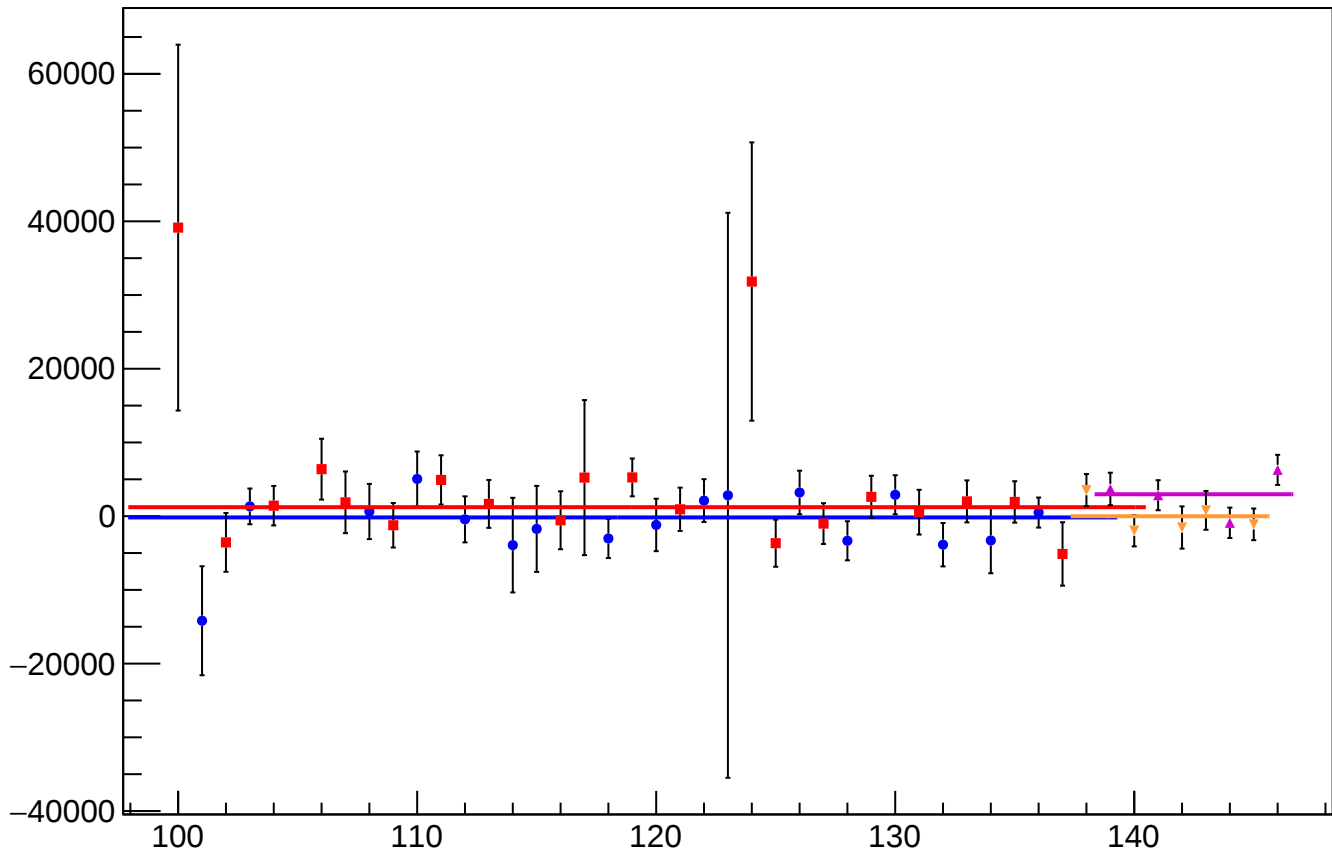
Right Out: 2199.398+/-0.602 χ^2/NDF : 803373.4/19

Left In: 2138.671+/-0.846 χ^2/NDF :45139.2/3

2186.215+/-0.499 χ^2/NDF : 730548.5/21

2178.987+/-0.490 χ^2/NDF : 851936.5/23

reg_asym_at1_dd_mean vs Slug



Right In: -170.351 ± 782.384 χ^2/NDF : 14.5/16

Left Out: -11.217 ± 1047.045 χ^2/NDF : 4.1/4

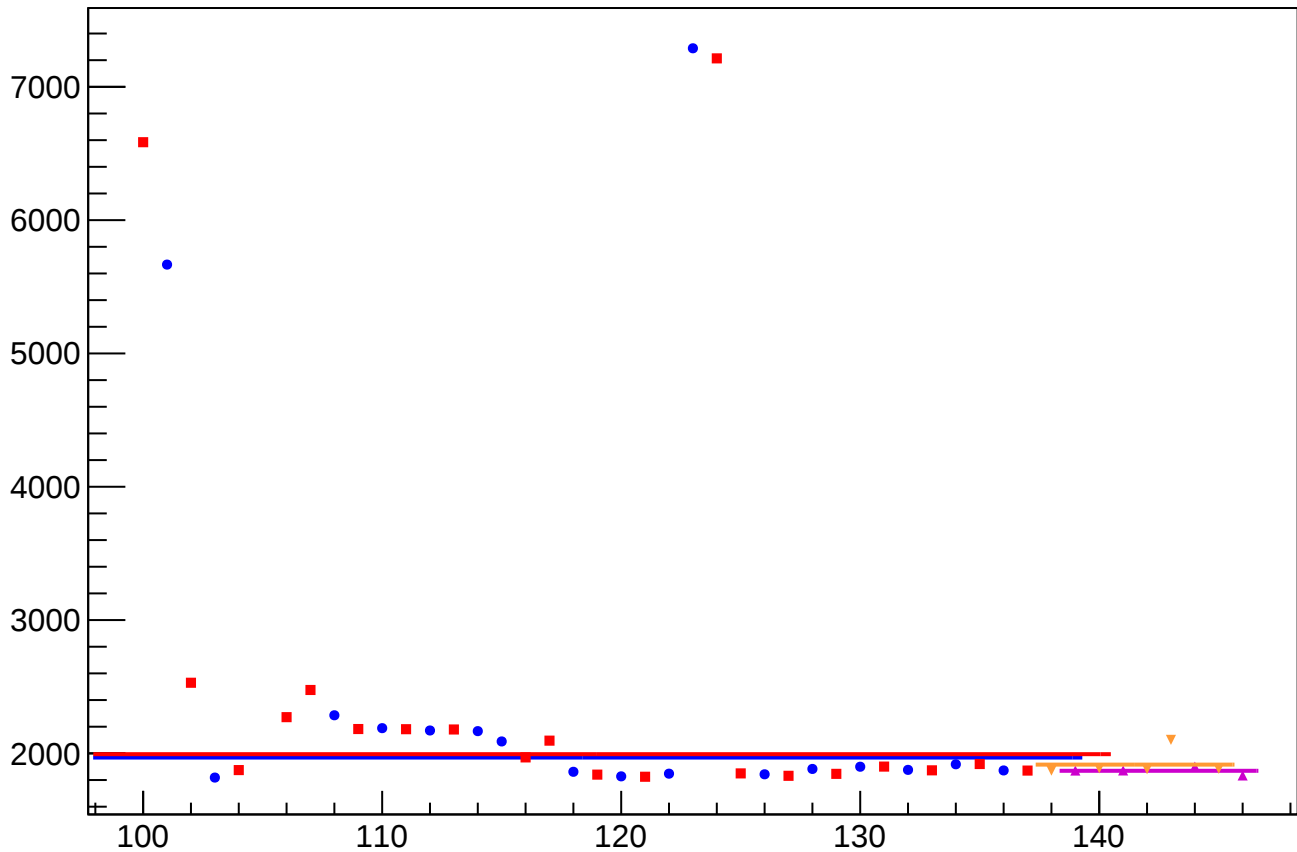
Right Out: 1218.753 ± 762.243 χ^2/NDF : 18.3/19

Left In: 2973.145 ± 1041.308 χ^2/NDF : 6.3/3

-113.334 ± 626.740 χ^2/NDF : 18.6/21

1830.837 ± 615.066 χ^2/NDF : 26.4/23

reg_asym_at1_dd_rms vs Slug



Right In: 1968.632+/-0.553 χ^2/NDF : 602972.8/16

Left Out: 1915.650+/-0.740 χ^2/NDF : 11882.8/4

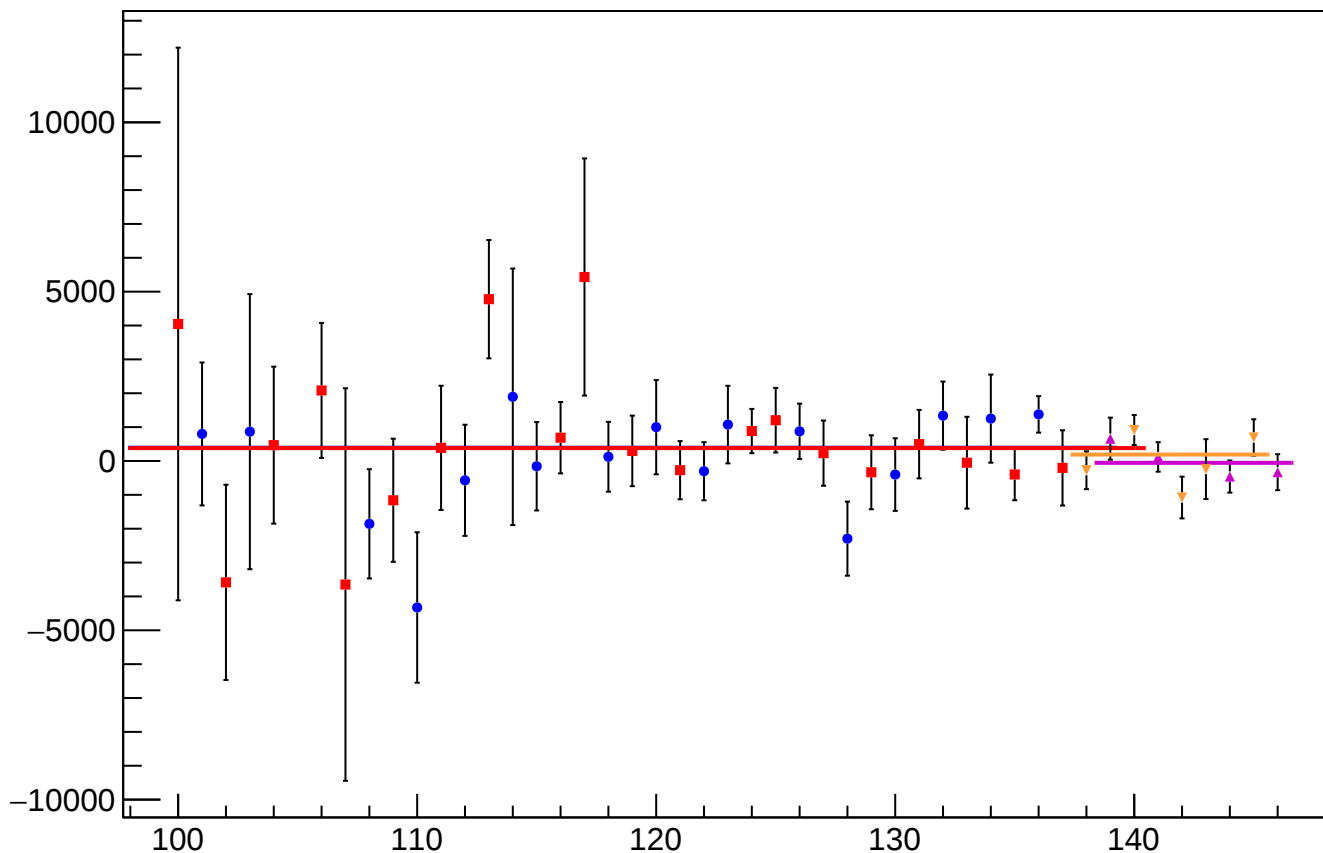
Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

Left In: 1869.236+/-0.736 χ^2/NDF : 1052.7/3

1949.649+/-0.443 χ^2/NDF : 618141.9/21

1950.444+/-0.435 χ^2/NDF : 376093.8/23

asym_at1_dd_correction_mean vs Slug



Right In: 390.923+/-270.128 χ^2/NDF : 20.0/16

Left Out: 189.871+/-253.103 χ^2/NDF : 8.7/4

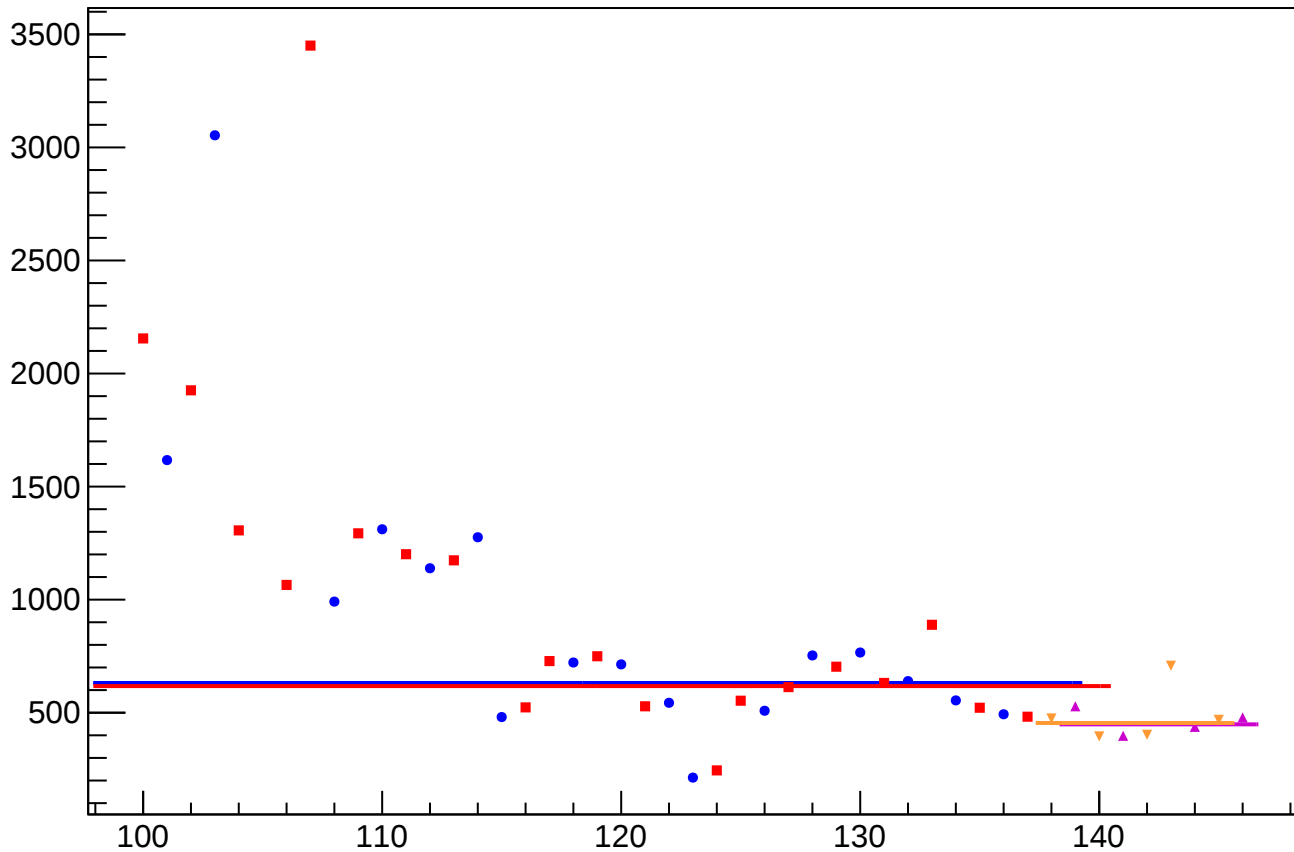
Right Out: 379.833+/-265.331 χ^2/NDF : 16.3/19

Left In: -54.924+/-251.411 χ^2/NDF : 2.5/3

283.862+/-184.697 χ^2/NDF : 29.0/21

150.751+/-182.497 χ^2/NDF : 20.2/23

asym_at1_dd_correction_rms vs Slug



Right In: 631.430+/-0.191 χ^2/NDF : 2260692.7/16

Left Out: 454.548+/-0.179 χ^2/NDF : 218536.6/4

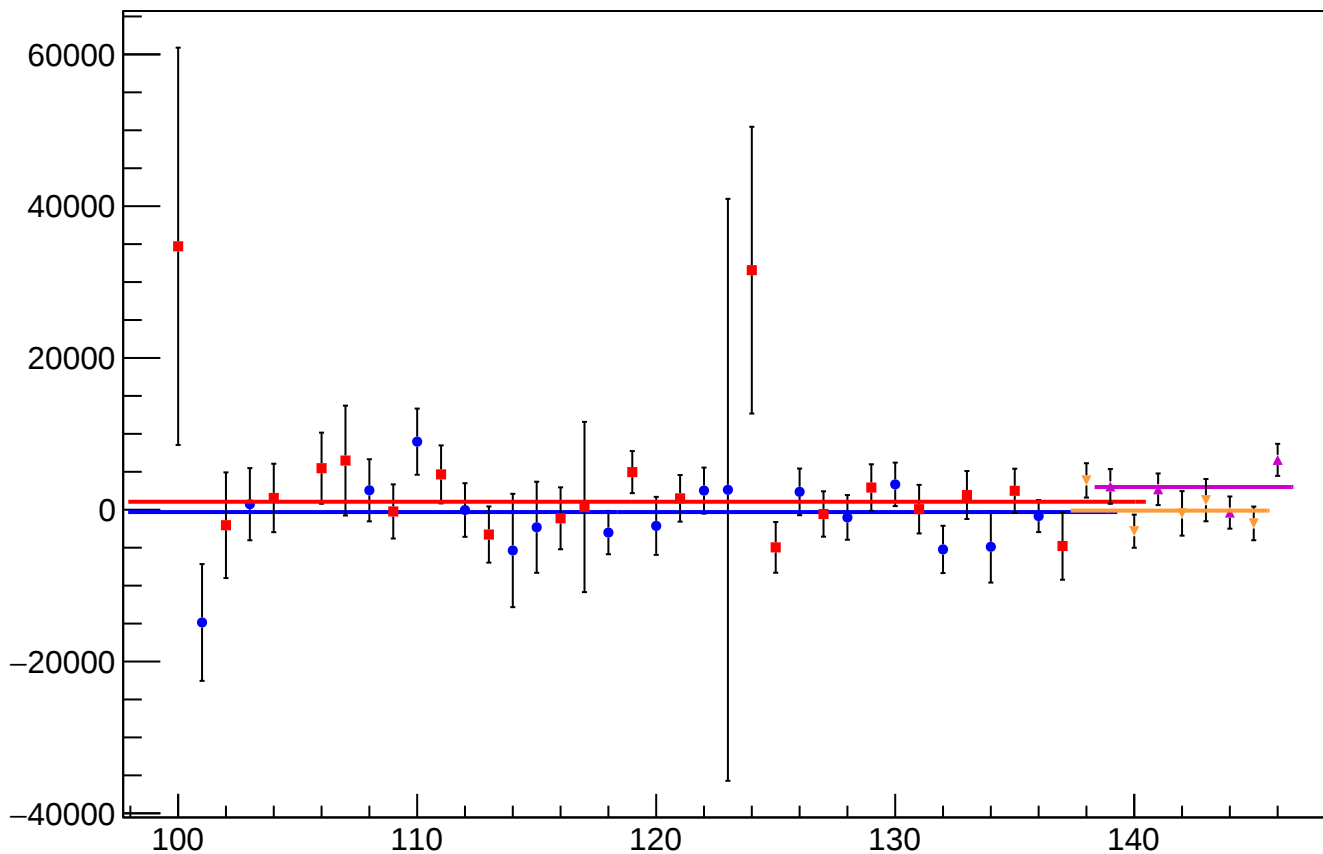
Right Out: 617.675+/-0.188 χ^2/NDF : 2804158.4/19

Left In: 448.495+/-0.178 χ^2/NDF : 67818.4/3

537.239+/-0.131 χ^2/NDF : 2935874.4/21

528.531+/-0.129 χ^2/NDF : 3300418.3/23

asym_at1_dd_mean vs Slug



Right In: -305.713+/-871.922 χ^2/NDF : 17.2/16

Left Out: -115.174+/-1082.547 χ^2/NDF : 5.5/4

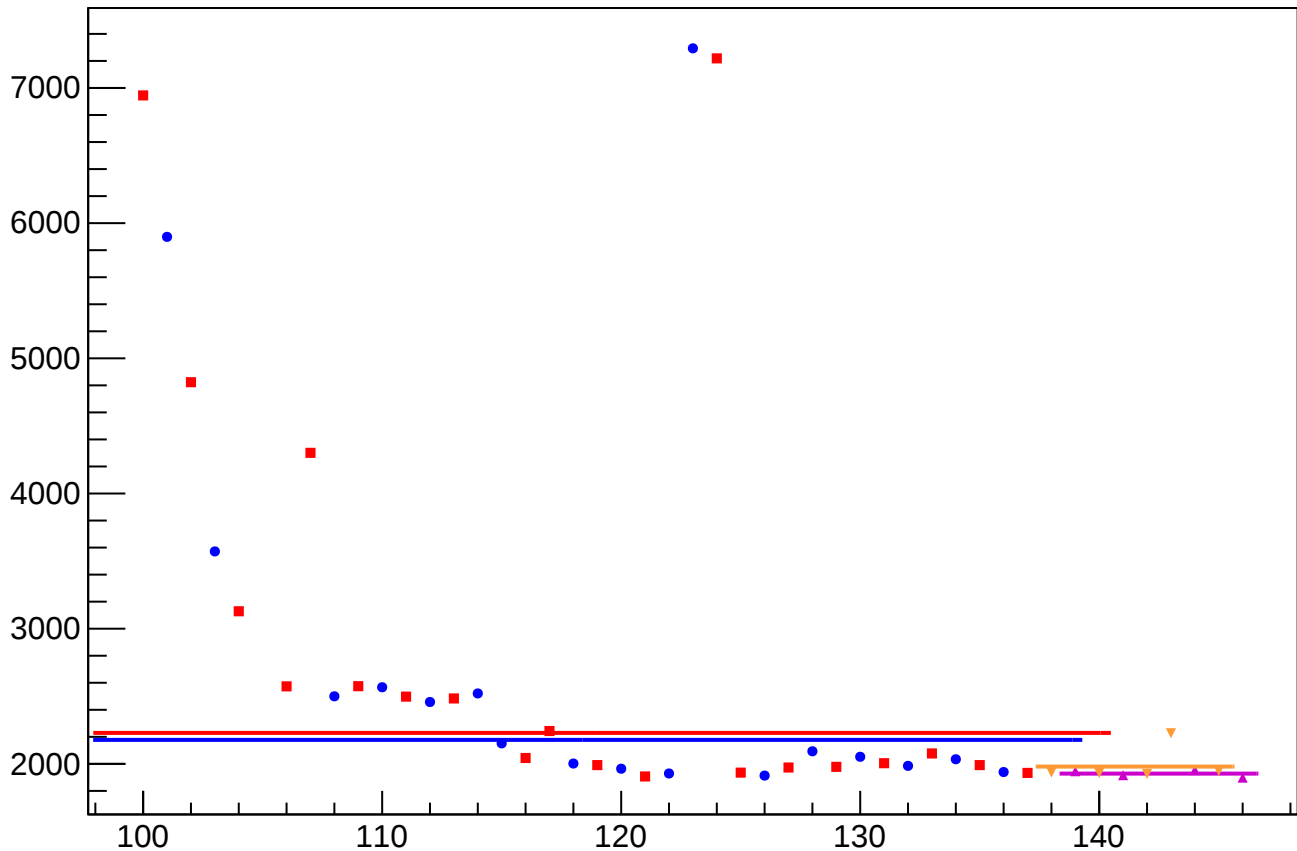
Right Out: 1052.718+/-864.863 χ^2/NDF : 16.6/19

Left In: 2991.724+/-1073.905 χ^2/NDF : 5.4/3

-230.741+/-679.053 χ^2/NDF : 22.6/21

1815.557+/-673.585 χ^2/NDF : 24.0/23

asym_at1_dd_rms vs Slug



Right In: 2177.446+/-0.617 χ^2/NDF : 802836.7/16

Left Out: 1979.974+/-0.765 χ^2/NDF :18500.8/4

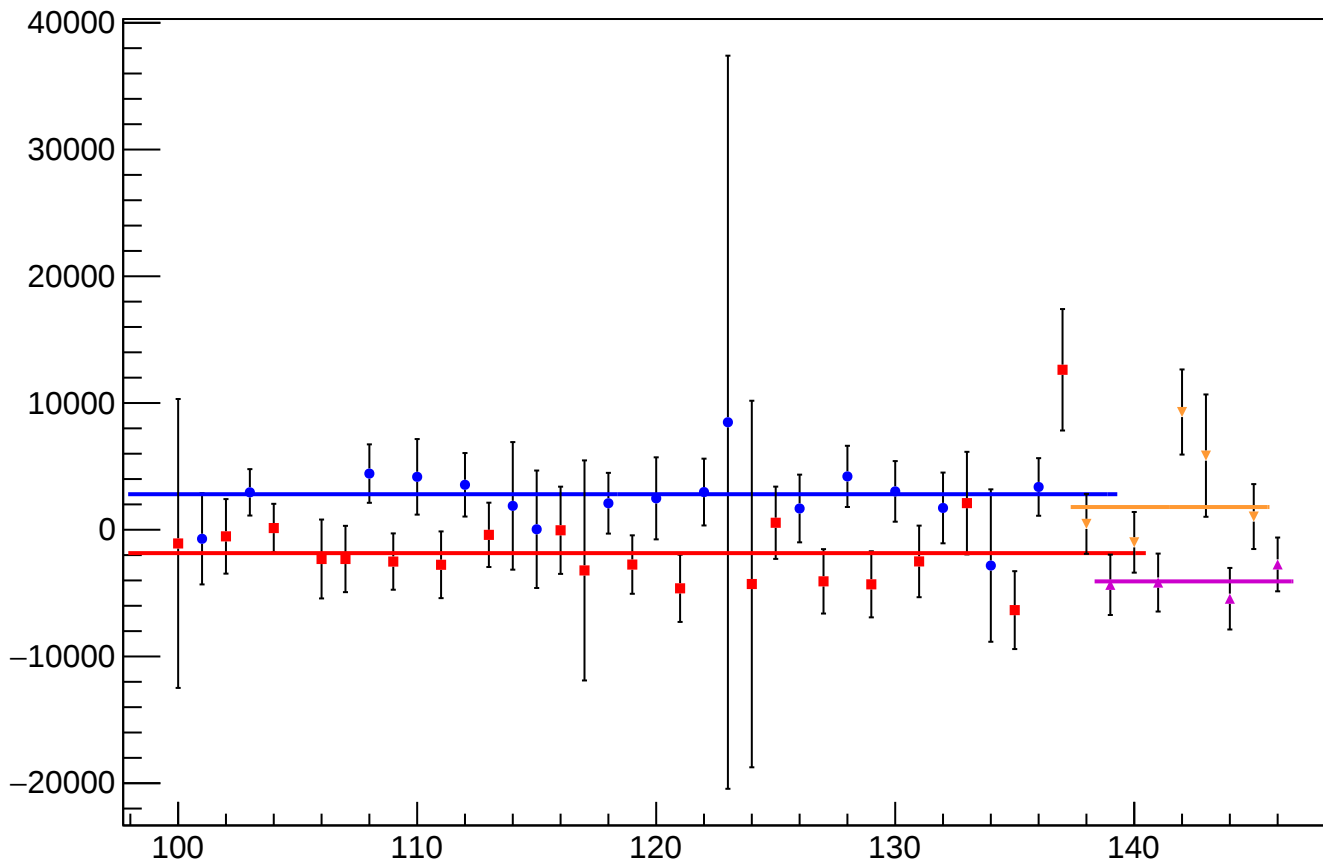
Right Out: 2229.096+/-0.612 χ^2/NDF : 895812.2/19

Left In: 1927.994+/-0.759 χ^2/NDF :883.0/3

2099.747+/-0.480 χ^2/NDF : 861701.8/21

2110.638+/-0.476 χ^2/NDF : 992066.6/23

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917 ± 678.548 χ^2/NDF : 3.9/16

Left Out: 1791.923 ± 1252.321 χ^2/NDF : 7.4/4

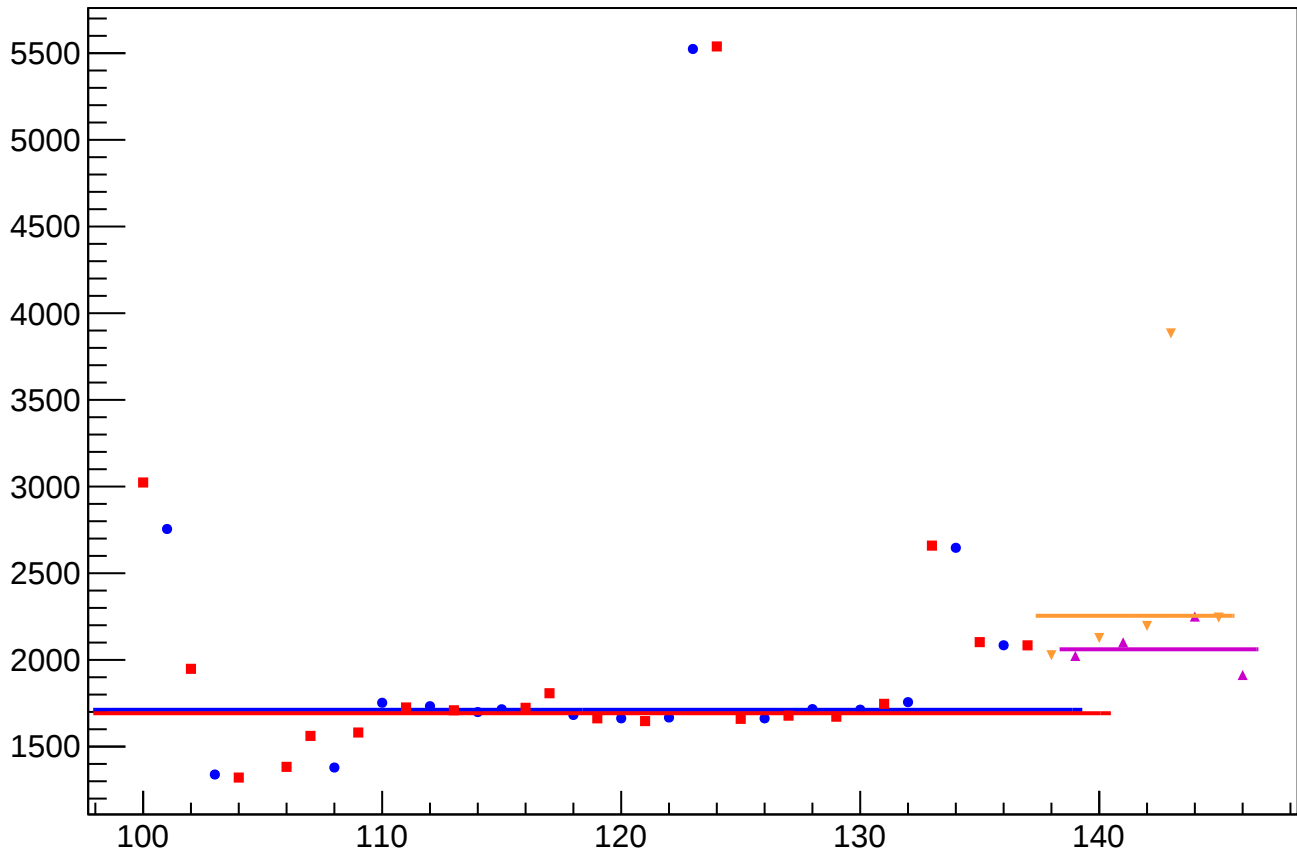
Right Out: -1844.945 ± 653.448 χ^2/NDF : 18.1/19

Left In: -4074.898 ± 1147.592 χ^2/NDF : 0.7/3

2574.241 ± 596.601 χ^2/NDF : 11.9/21

-2390.930 ± 567.845 χ^2/NDF : 21.7/23

reg_asym_at2_avg_rms vs Slug



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 2254.588+/-0.886 χ^2/NDF : 252714.7/4

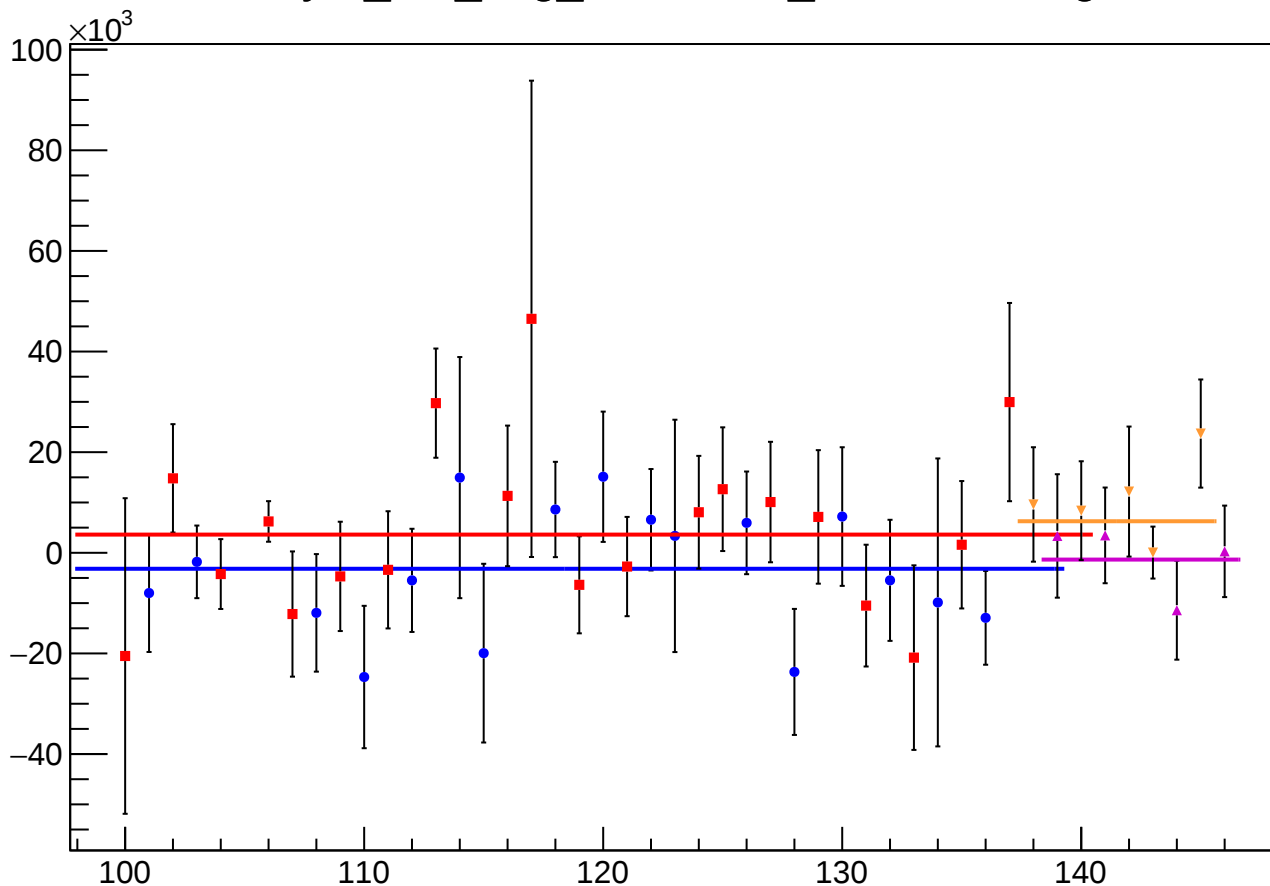
Right Out: 1692.404+/-0.462 χ^2/NDF : 455277.5/19

Left In: 2061.230+/-0.811 χ^2/NDF : 22980.3/3

1835.261+/-0.422 χ^2/NDF : 975260.2/21

1782.707+/-0.402 χ^2/NDF : 634262.5/23

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 ± 2851.982 $\chi^2/\text{NDF}: 14.4/16$

Left Out: 6272.321 ± 3772.665 $\chi^2/\text{NDF}: 4.4/4$

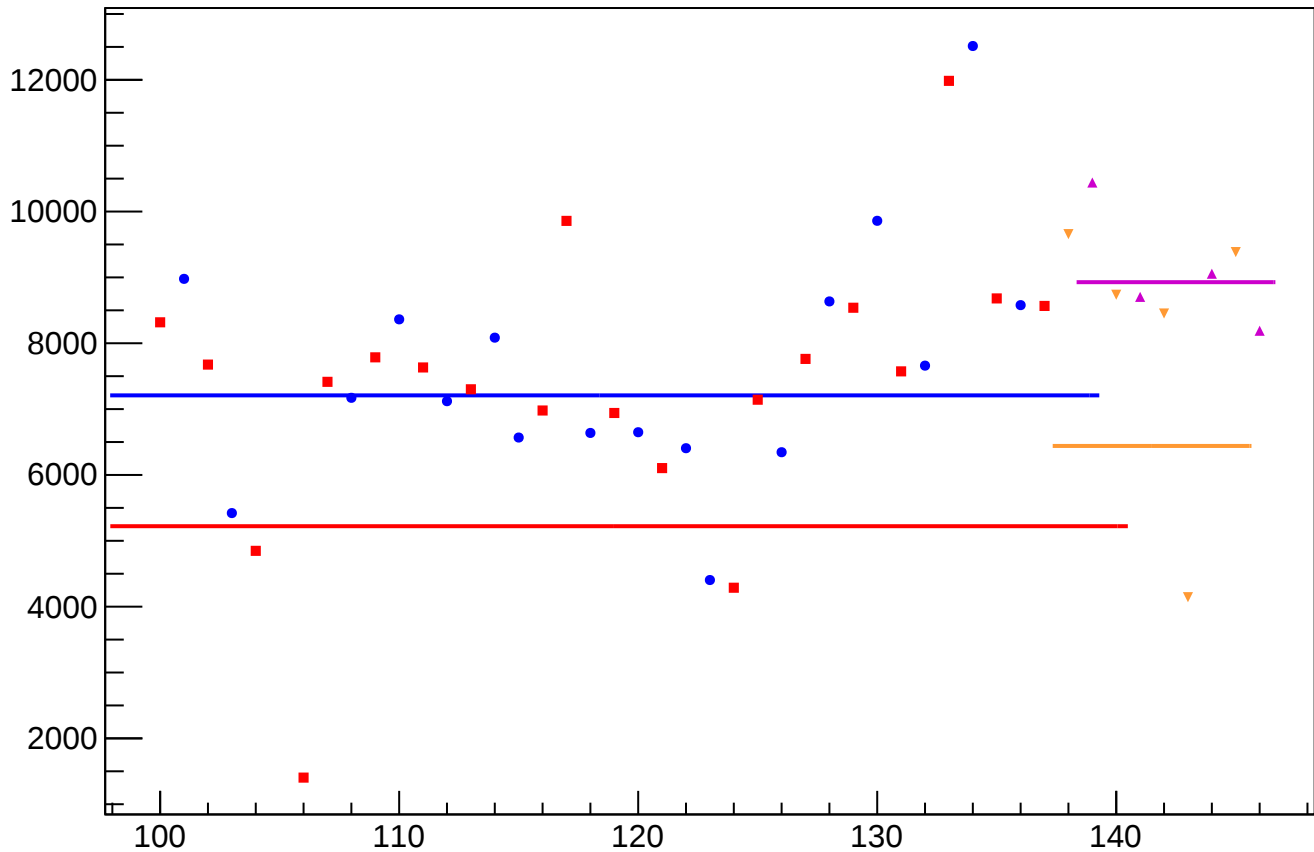
Right Out: 3618.416 ± 2263.938 $\chi^2/\text{NDF}: 20.3/19$

Left In: -1346.895 ± 4991.181 $\chi^2/\text{NDF}: 1.5/3$

261.683 ± 2275.061 $\chi^2/\text{NDF}: 22.8/21$

2771.160 ± 2061.757 $\chi^2/\text{NDF}: 22.6/23$

asym_at2_avg_correction_rms vs Slug



Right In: 7208.567+/-2.017 χ^2/NDF : 469302.0/16

Left Out: 6440.545+/-2.668 χ^2/NDF : 863617.7/4

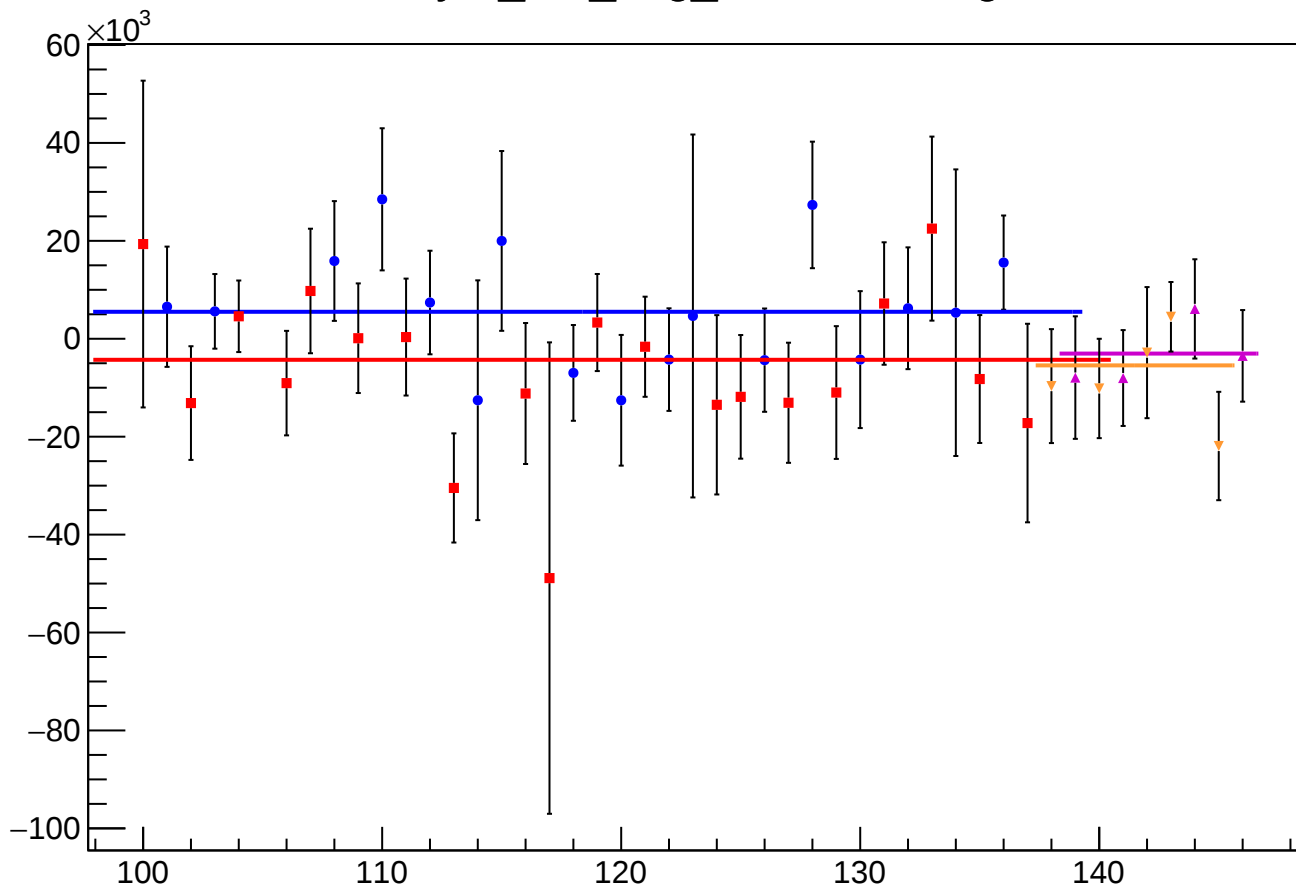
Right Out: 5221.816+/-1.601 χ^2/NDF : 3216100.5/19

Left In: 8927.454+/-3.529 χ^2/NDF : 45023.7/3

6929.272+/-1.609 χ^2/NDF : 1385663.8/21

5854.128+/-1.458 χ^2/NDF : 4175437.7/23

asym_at2_avg_mean vs Slug



Right In: 5509.395 ± 2971.033 χ^2/NDF : 14.1/16

Left Out: -5437.535 ± 4442.285 χ^2/NDF : 4.6/4

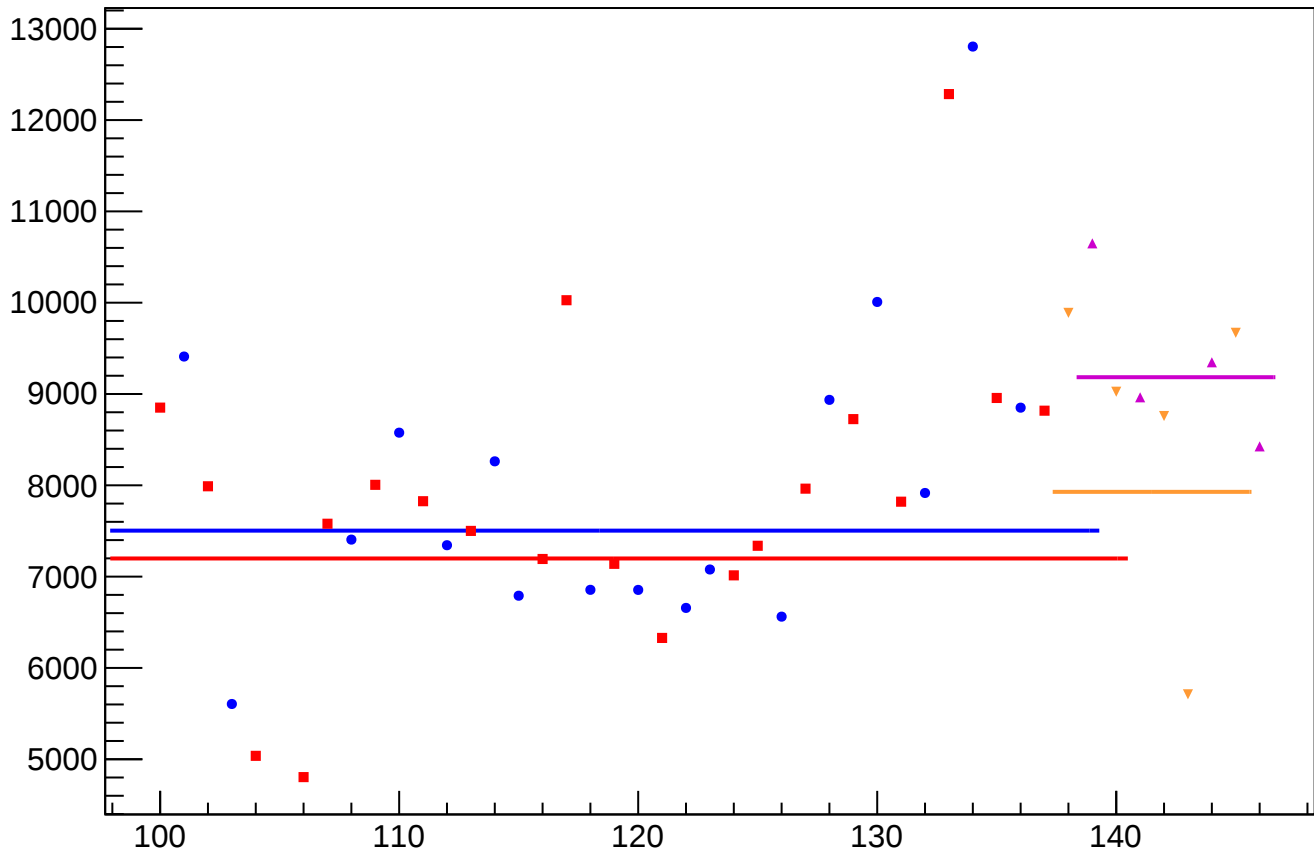
Right Out: -4295.824 ± 2785.538 χ^2/NDF : 16.3/19

Left In: -3026.117 ± 5131.671 χ^2/NDF : 1.2/3

2126.138 ± 2469.606 χ^2/NDF : 22.8/21

-4006.854 ± 2448.125 χ^2/NDF : 17.6/23

asym_at2_avg_rms vs Slug



Right In: 7503.667+/-2.101 χ^2 /NDF: 427313.5/16

Left Out: 7928.409+/-3.141 χ^2 /NDF:332397.0/4

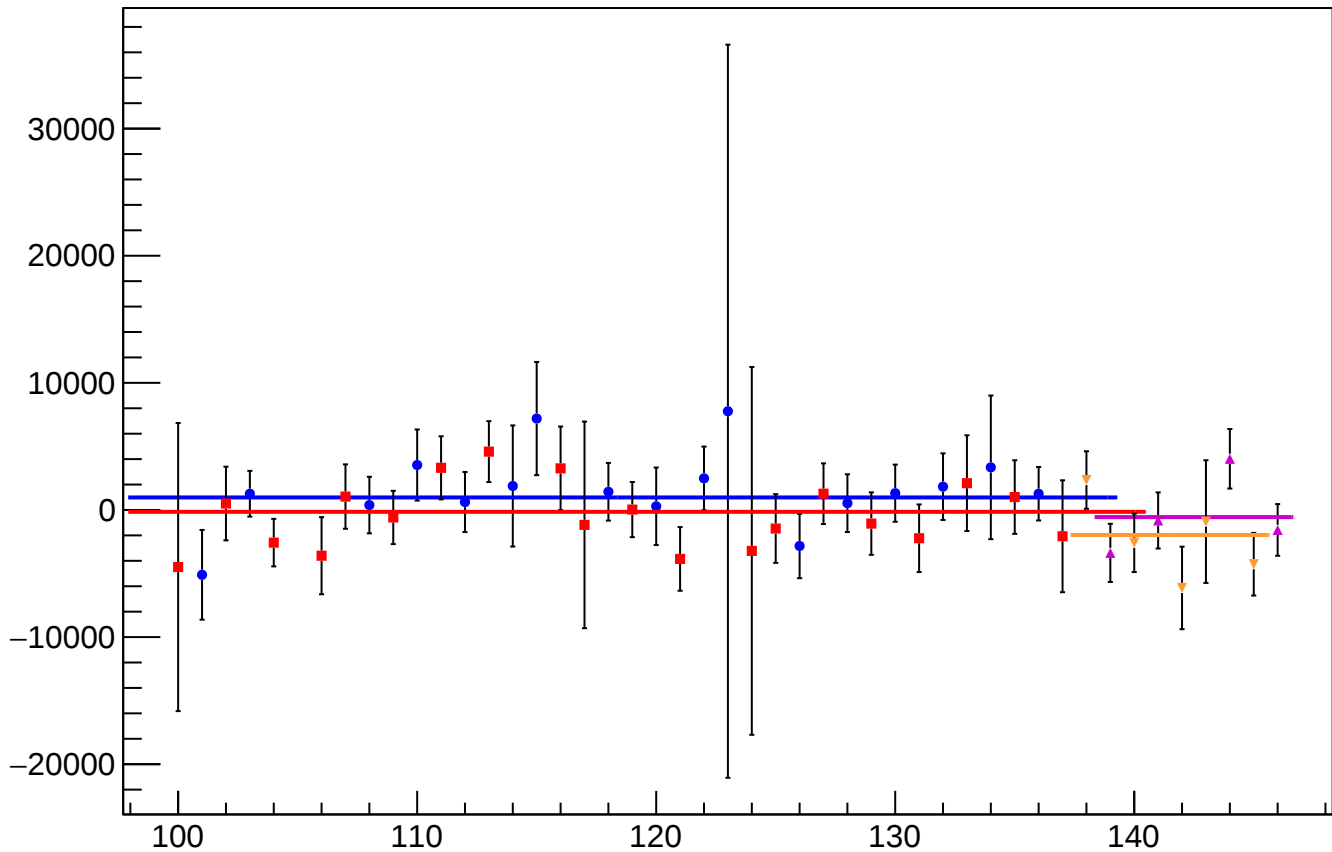
Right Out: 7198.728+/-1.969 χ^2 /NDF: 564629.1/19

Left In: 9183.898+/-3.629 χ^2 /NDF:42092.5/3

7634.933+/-1.746 χ^2 /NDF: 772343.8/21

7650.440+/-1.731 χ^2 /NDF: 837918.3/23

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 ± 644.630 $\chi^2/\text{NDF}: 9.1/16$

Left Out: -1969.443 ± 1206.348 $\chi^2/\text{NDF}: 6.3/4$

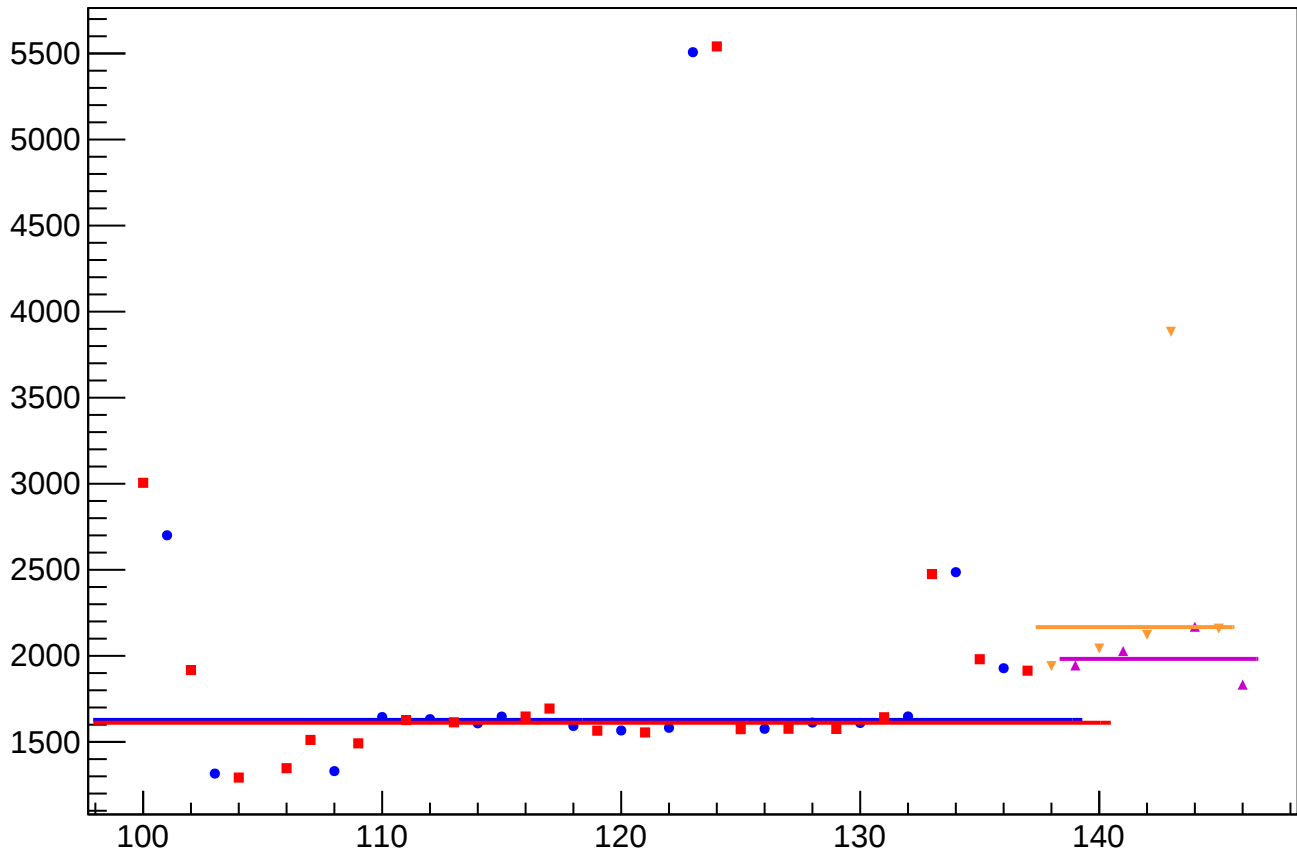
Right Out: -144.683 ± 621.728 $\chi^2/\text{NDF}: 14.7/19$

Left In: -560.160 ± 1103.843 $\chi^2/\text{NDF}: 5.6/3$

329.110 ± 568.547 $\chi^2/\text{NDF}: 20.0/21$

-244.745 ± 541.712 $\chi^2/\text{NDF}: 20.4/23$

reg_asym_at2_dd_rms vs Slug



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

Left Out: 2167.088+/-0.853 χ^2/NDF : 279232.8/4

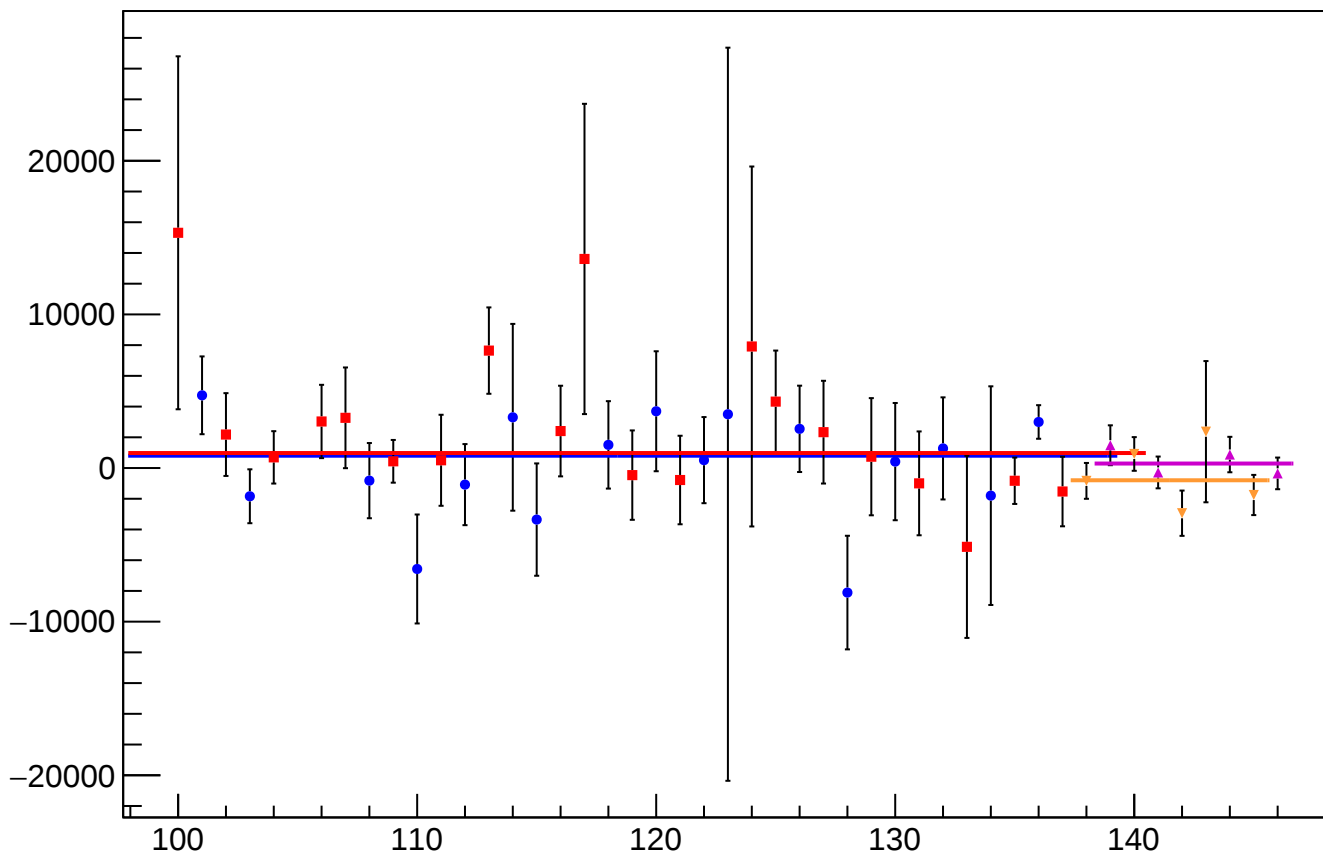
Right Out: 1611.433+/-0.440 χ^2/NDF : 434167.6/19

Left In: 1982.446+/-0.781 χ^2/NDF : 24942.3/3

1747.615+/-0.402 χ^2/NDF : 997210.9/21

1700.786+/-0.383 χ^2/NDF : 630635.5/23

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 ± 631.676 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -796.900 ± 613.248 $\chi^2/\text{NDF}: 5.6/4$

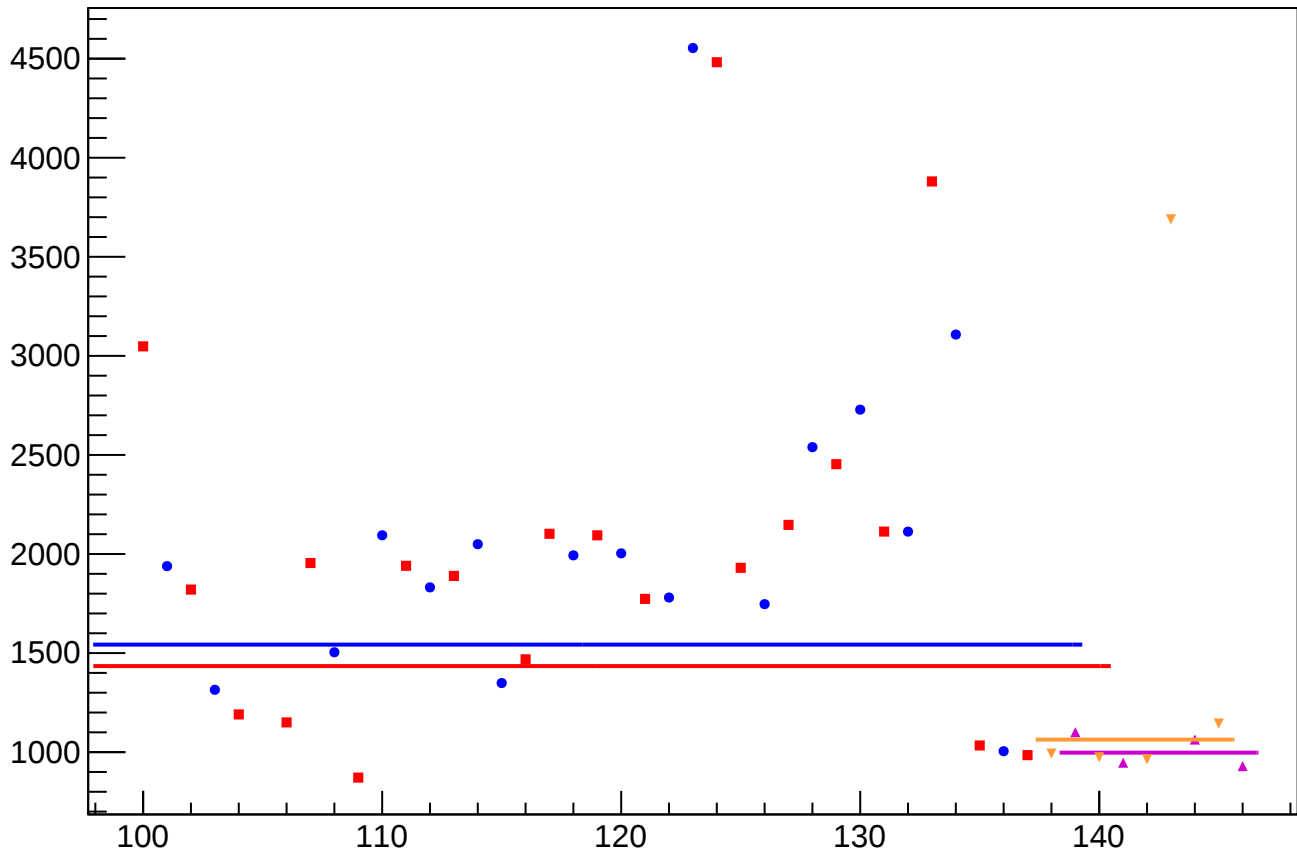
Right Out: 976.725 ± 588.724 $\chi^2/\text{NDF}: 16.8/19$

Left In: 292.413 ± 557.143 $\chi^2/\text{NDF}: 1.8/3$

-20.604 ± 440.002 $\chi^2/\text{NDF}: 31.3/21$

615.723 ± 404.664 $\chi^2/\text{NDF}: 19.3/23$

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705+/-0.447 χ^2/NDF : 1287946.3/16

Left Out: 1063.334+/-0.434 χ^2/NDF : 689927.8/4

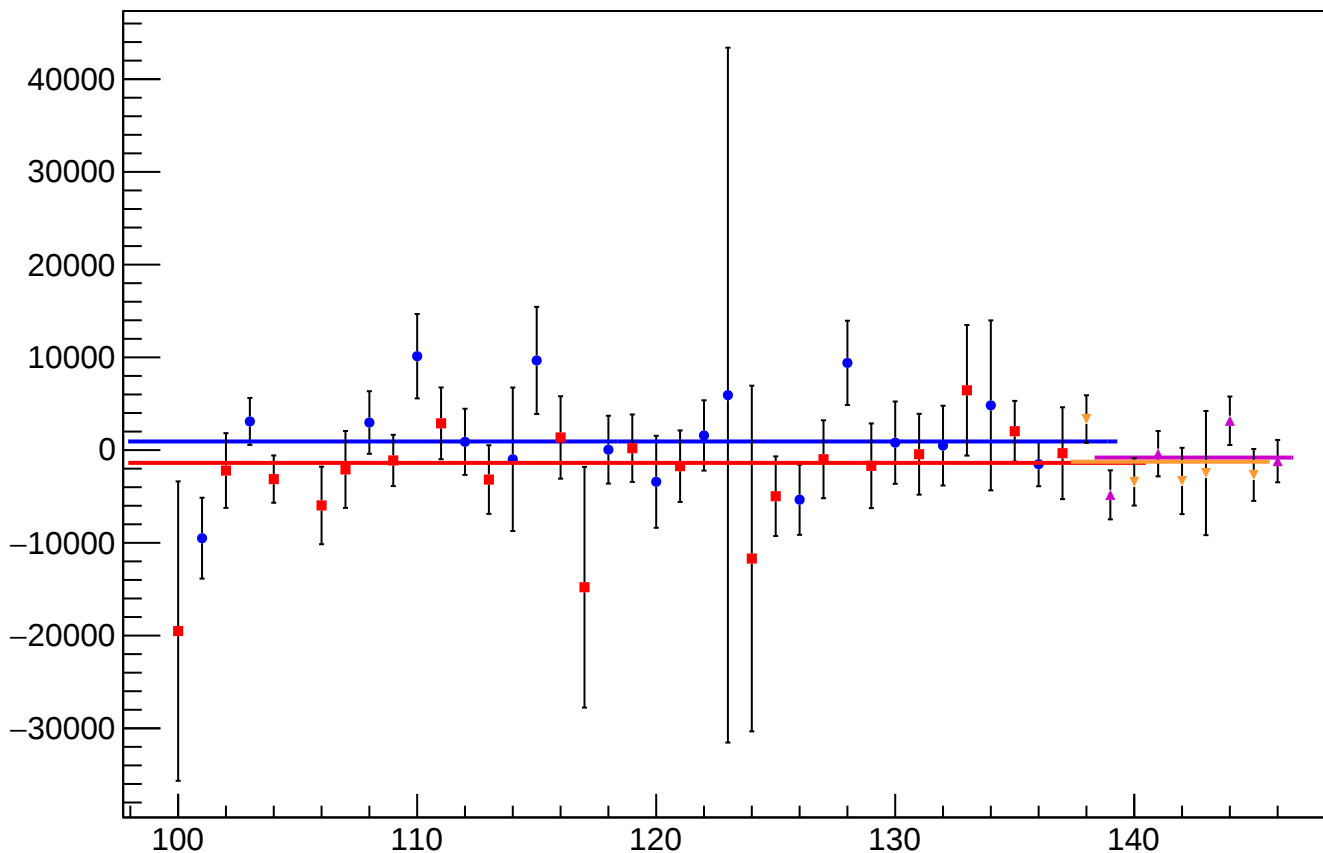
1295.925+/-0.311 χ^2/NDF : 2570831.4/21

Right Out: 1434.290+/-0.416 χ^2/NDF : 1832587.0/19

1203.857+/-0.286 χ^2/NDF : 2446085.3/23

Left In: 997.483+/-0.394 χ^2/NDF : 32676.6/3

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -1252.309 ± 1368.607 χ^2/NDF : 4.6/4

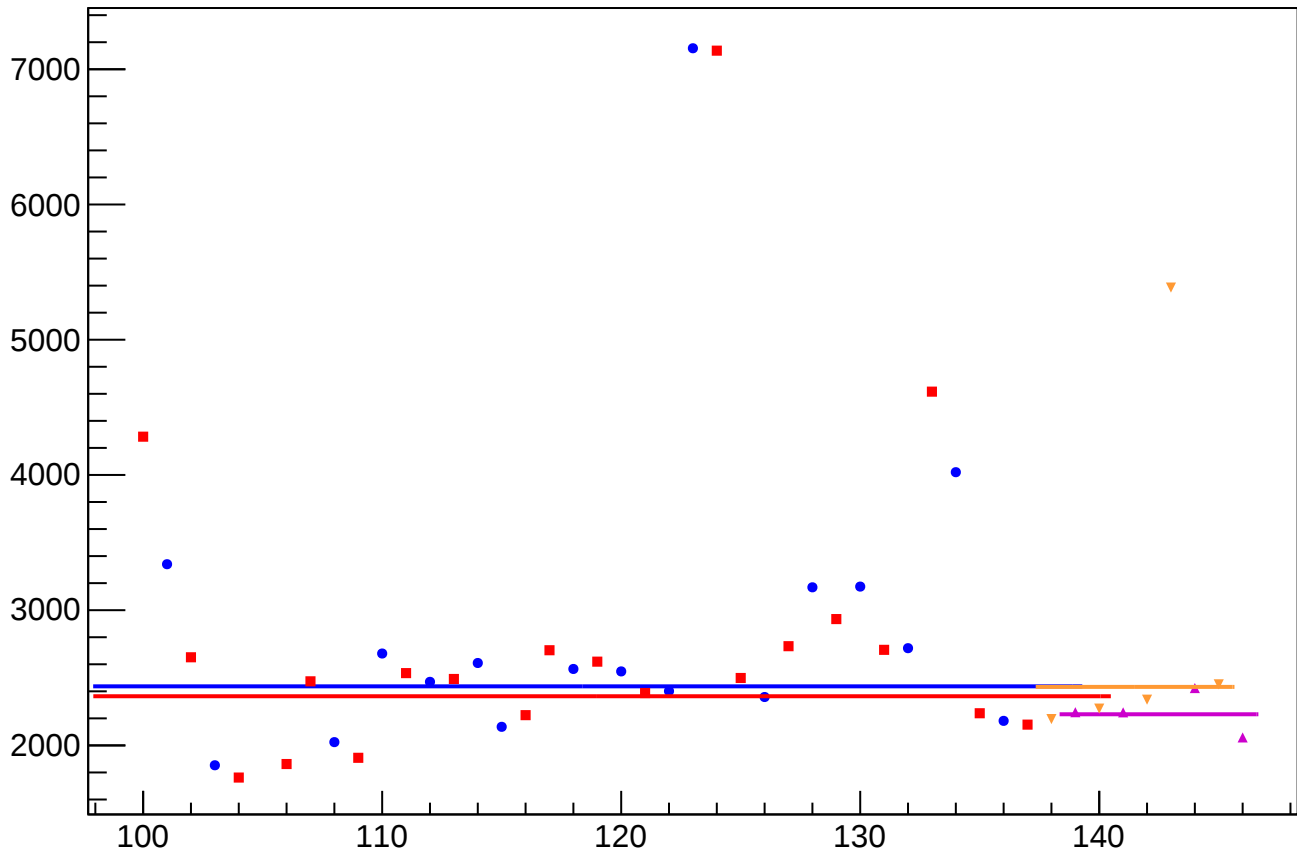
Right Out: -1375.966 ± 923.072 χ^2/NDF : 9.6/19

Left In: -804.637 ± 1241.726 χ^2/NDF : 4.7/3

204.252 ± 790.269 χ^2/NDF : 27.9/21

-1172.617 ± 740.806 χ^2/NDF : 14.4/23

asym_at2_dd_rms vs Slug



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2432.766+/-0.968 χ^2/NDF : 415641.8/4

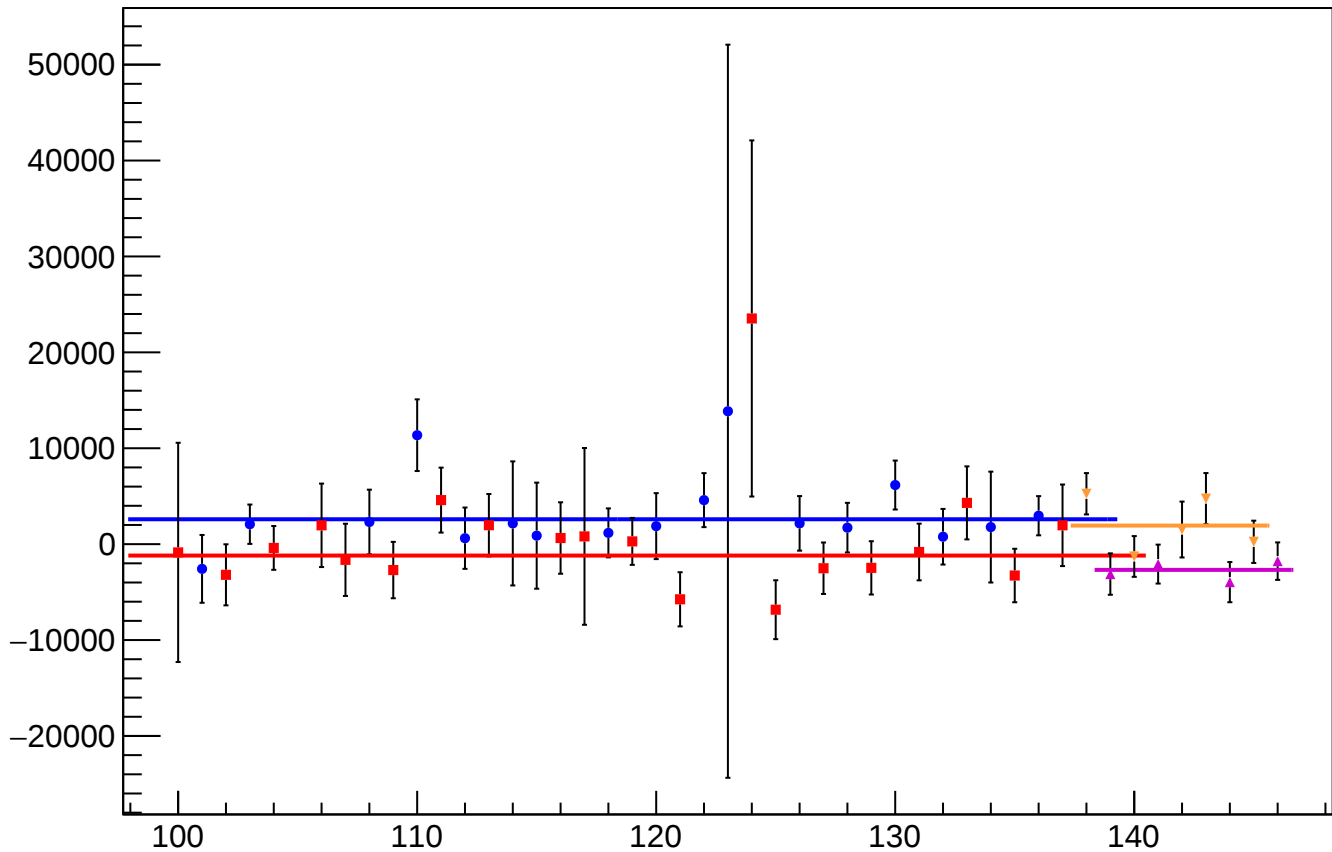
Right Out: 2363.609+/-0.653 χ^2/NDF : 657228.5/19

Left In: 2230.337+/-0.878 χ^2/NDF : 22355.1/3

2435.492+/-0.559 χ^2/NDF : 884683.9/21

2316.175+/-0.524 χ^2/NDF : 694422.5/23

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684 ± 743.000 χ^2/NDF : 11.7/16

Left Out: 1937.281 ± 1053.215 χ^2/NDF : 6.4/4

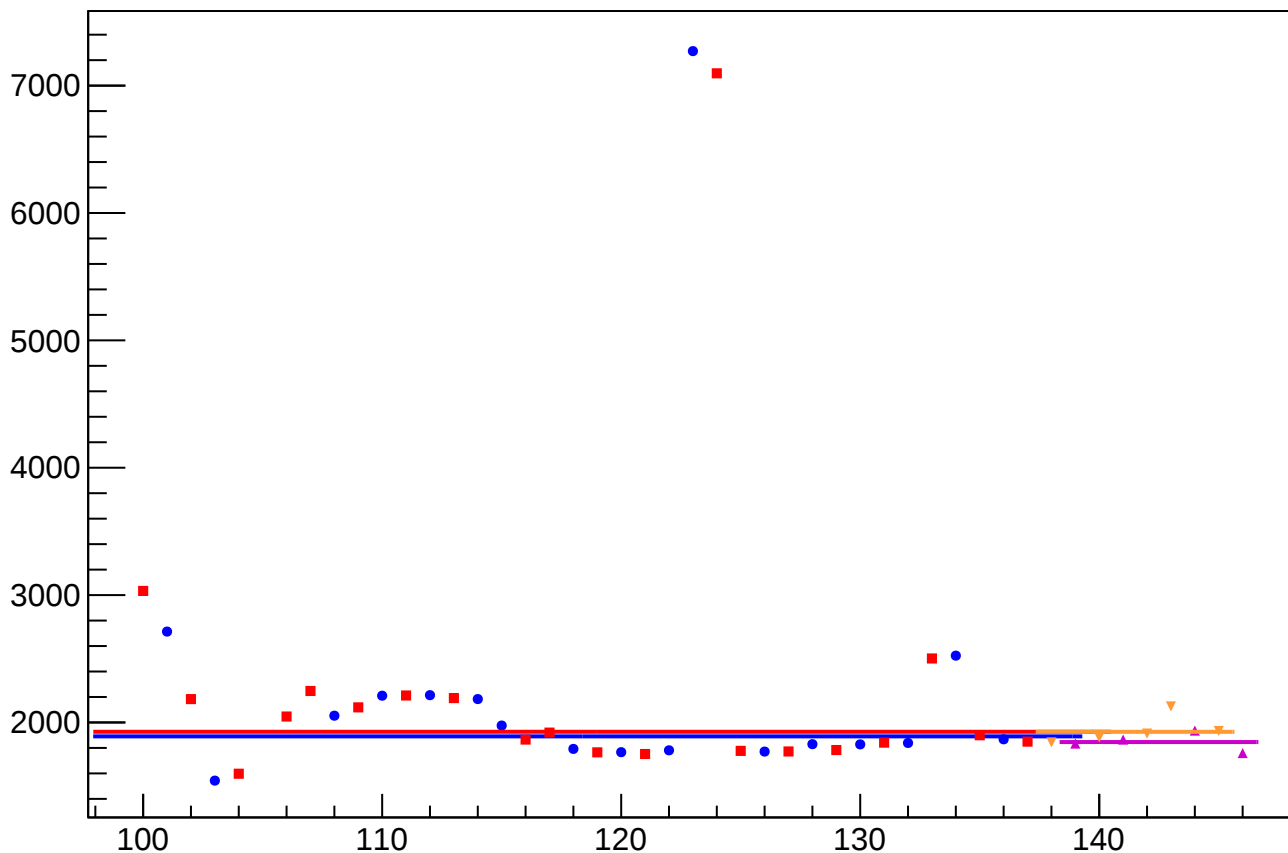
Right Out: -1189.680 ± 737.247 χ^2/NDF : 17.3/19

Left In: -2683.054 ± 1027.526 χ^2/NDF : 0.7/3

2376.230 ± 607.128 χ^2/NDF : 18.3/21

-1697.200 ± 599.012 χ^2/NDF : 19.4/23

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1926.650+/-0.745 χ^2/NDF : 15127.8/4

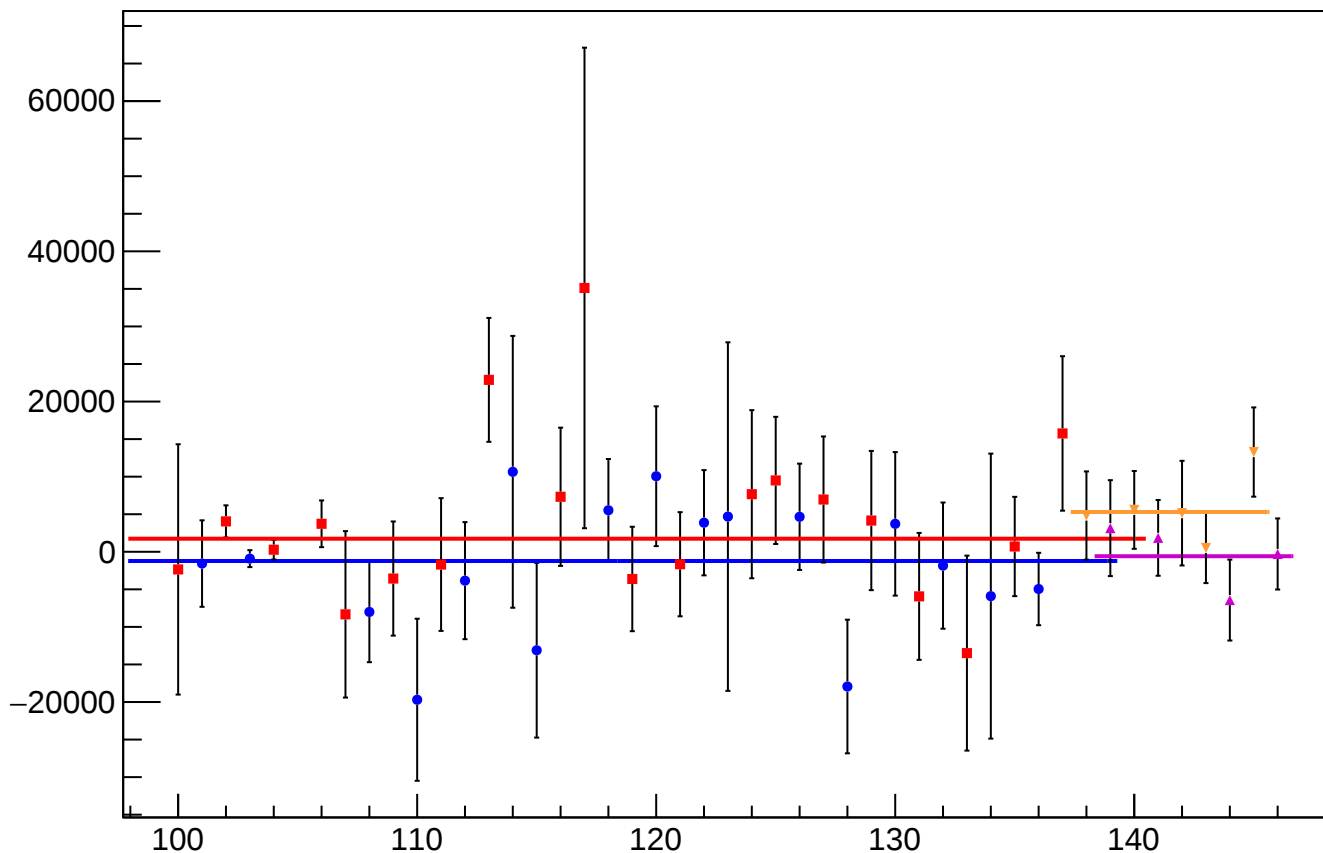
Right Out: 1926.906+/-0.520 χ^2/NDF : 362255.6/19

Left In: 1846.194+/-0.727 χ^2/NDF : 7859.1/3

1902.661+/-0.429 χ^2/NDF : 305626.8/21

1899.533+/-0.423 χ^2/NDF : 378269.7/23

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1226.915+/-984.603 χ^2/NDF : 13.8/16

Left Out: 5300.724+/-2492.594 χ^2/NDF : 2.9/4

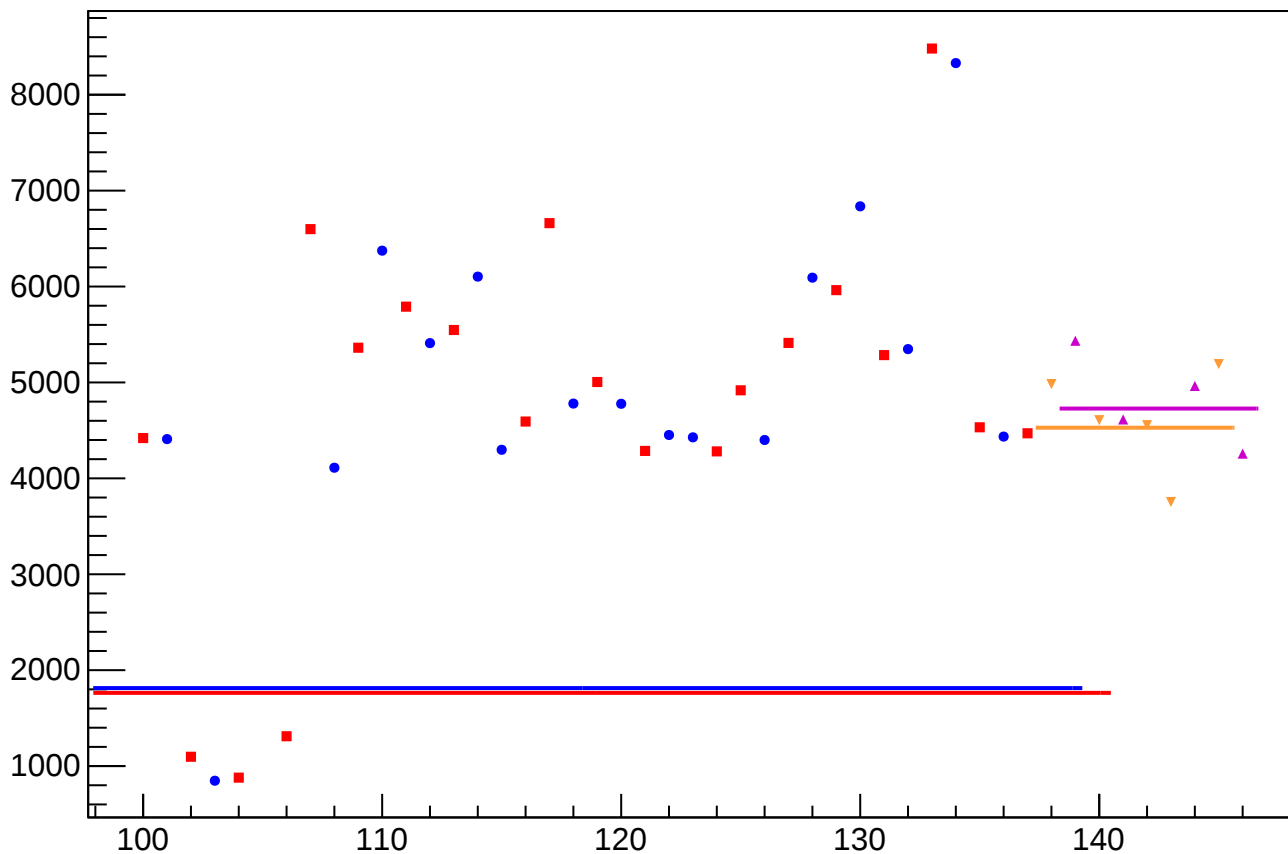
Right Out: 1740.671+/-941.173 χ^2/NDF : 18.9/19

Left In: -590.945+/-2645.168 χ^2/NDF : 1.8/3

-345.856+/-915.748 χ^2/NDF : 22.6/21

1478.660+/-886.716 χ^2/NDF : 21.3/23

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4528.247+/-1.763 χ^2/NDF :92306.4/4

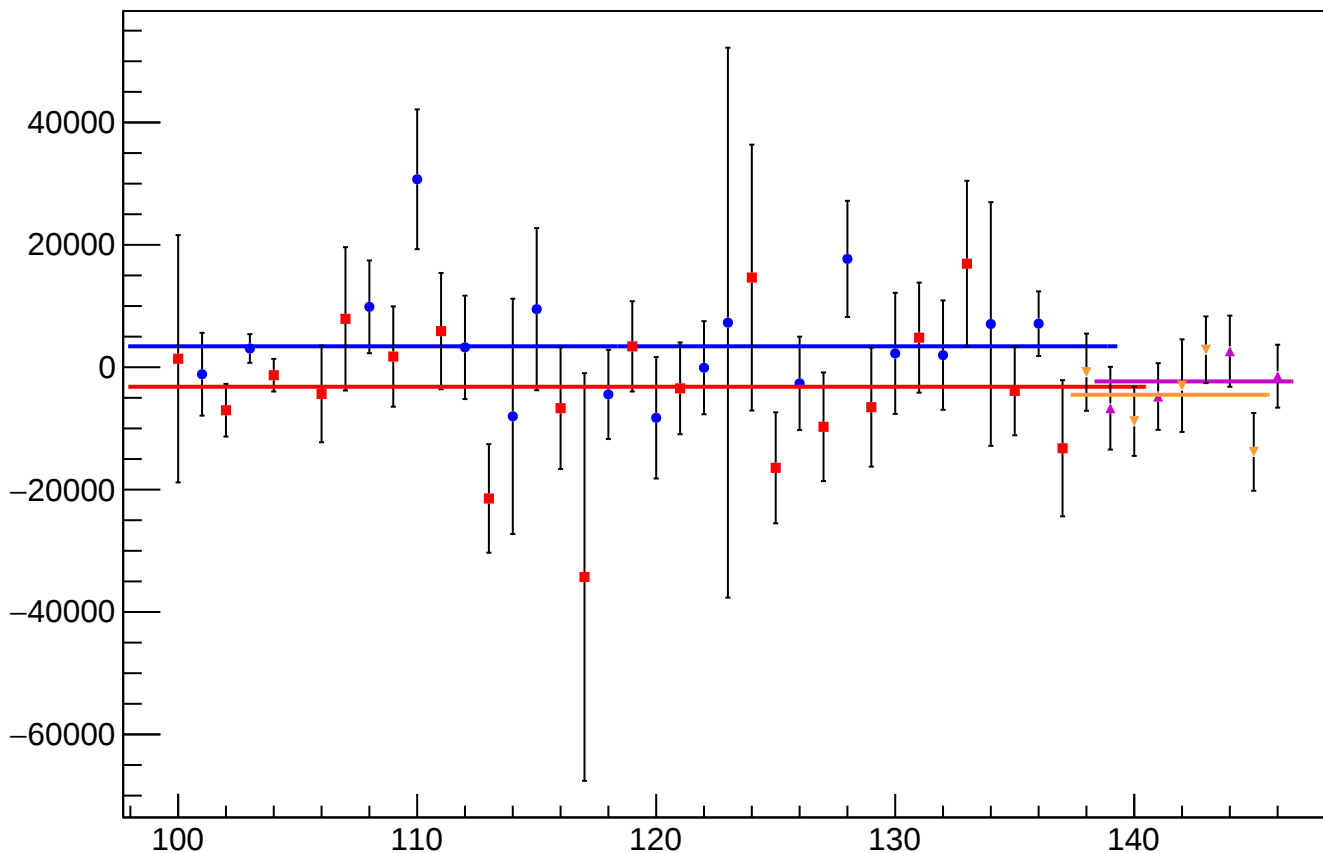
Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

Left In: 4727.805+/-1.870 χ^2/NDF :49082.3/3

2179.656+/-0.648 χ^2/NDF : 8593984.0/21

2096.500+/-0.627 χ^2/NDF : 8638719.3/23

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264 ± 1606.678 χ^2/NDF : 13.7/16

Left Out: -4500.296 ± 2748.855 χ^2/NDF : 4.9/4

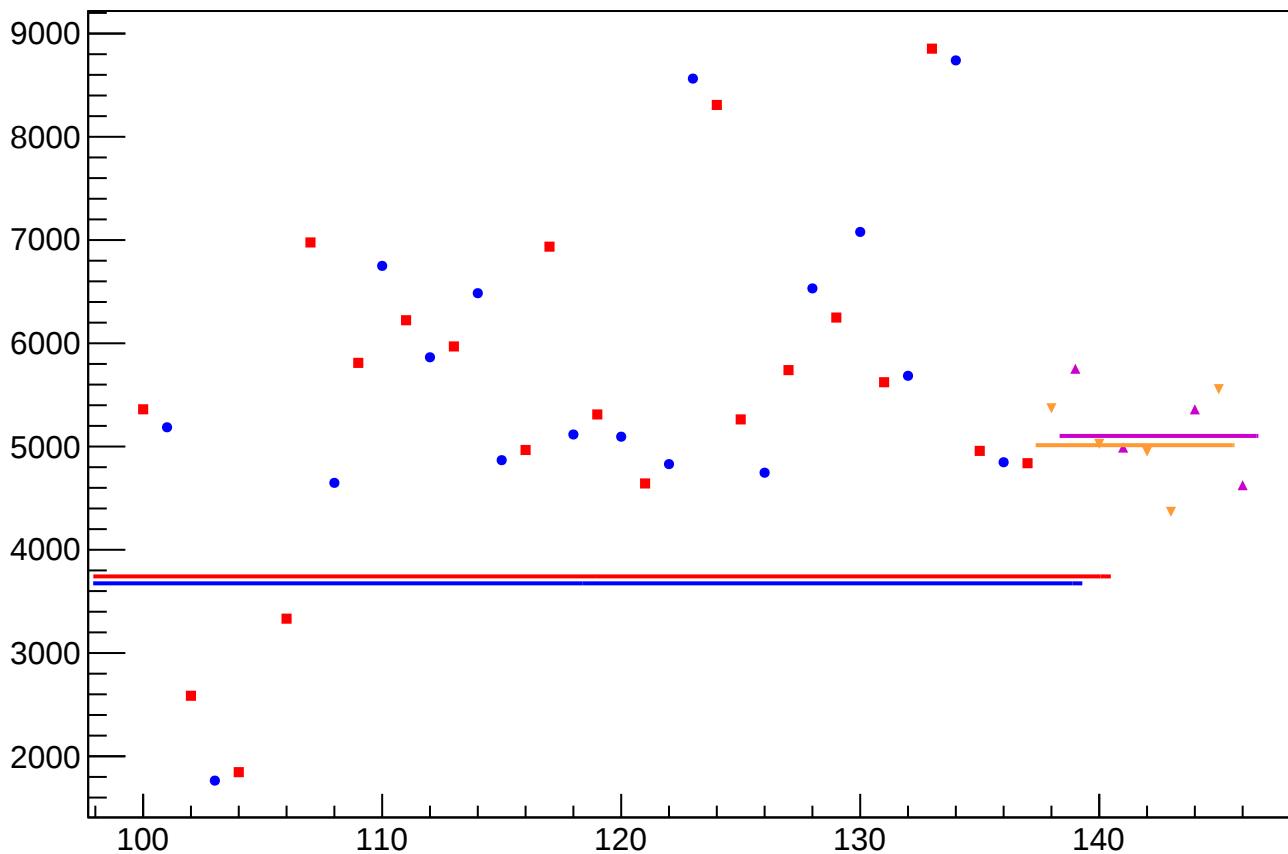
Right Out: -3190.143 ± 1604.066 χ^2/NDF : 16.9/19

Left In: -2319.757 ± 2851.116 χ^2/NDF : 1.4/3

1404.141 ± 1387.116 χ^2/NDF : 24.8/21

-2980.878 ± 1397.999 χ^2/NDF : 18.3/23

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003 $\pm$ 1.136 χ^2/NDF : 2775085.7/16

Left Out: 5013.028 $\pm$ 1.944 χ^2/NDF : 49227.8/4

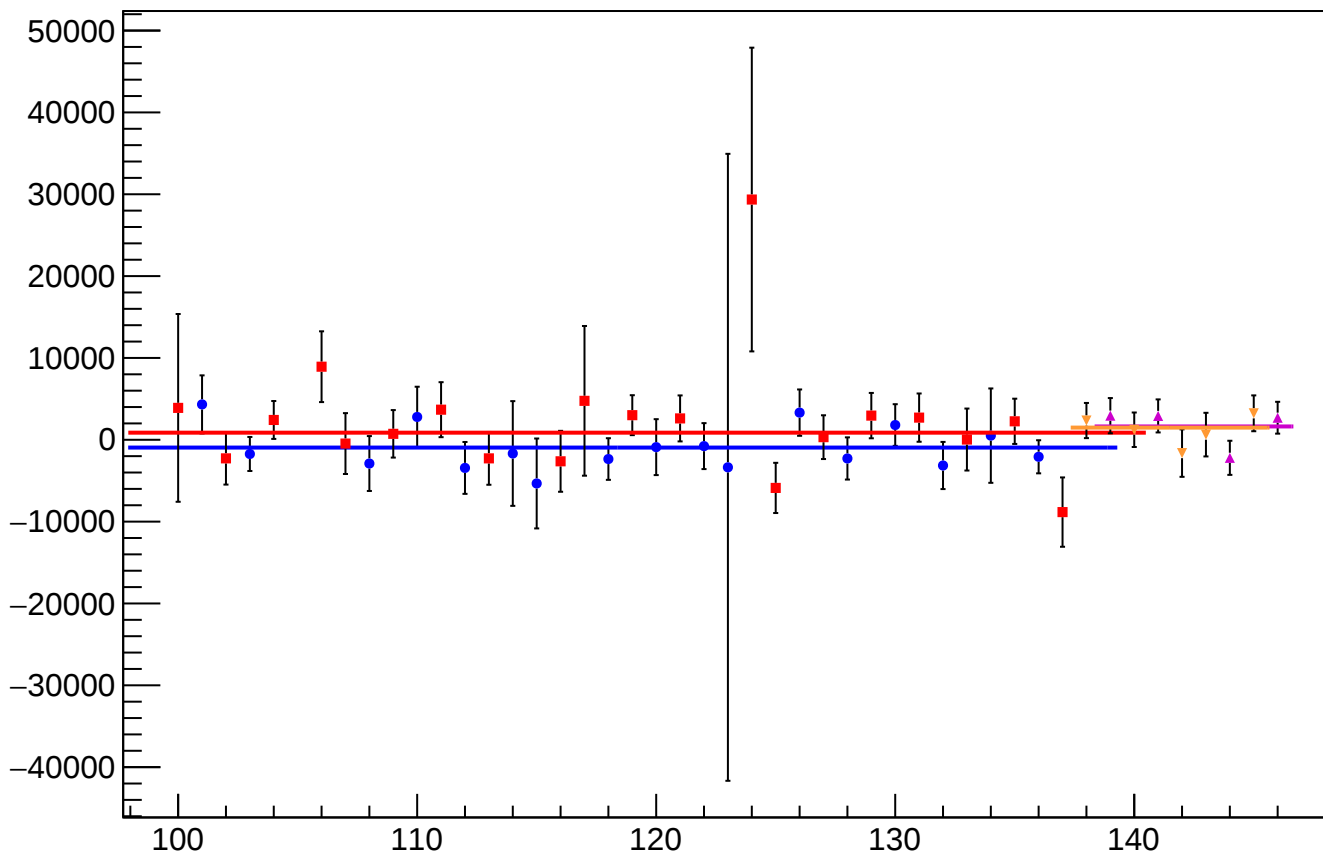
Right Out: 3742.124 $\pm$ 1.127 χ^2/NDF : 2712365.3/19

Left In: 5102.765 $\pm$ 2.016 χ^2/NDF : 40515.3/3

4015.714 $\pm$ 0.981 χ^2/NDF : 3177514.9/21

4065.967 $\pm$ 0.984 χ^2/NDF : 3099967.0/23

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 1488.933 ± 1048.072 χ^2/NDF : 2.1/4

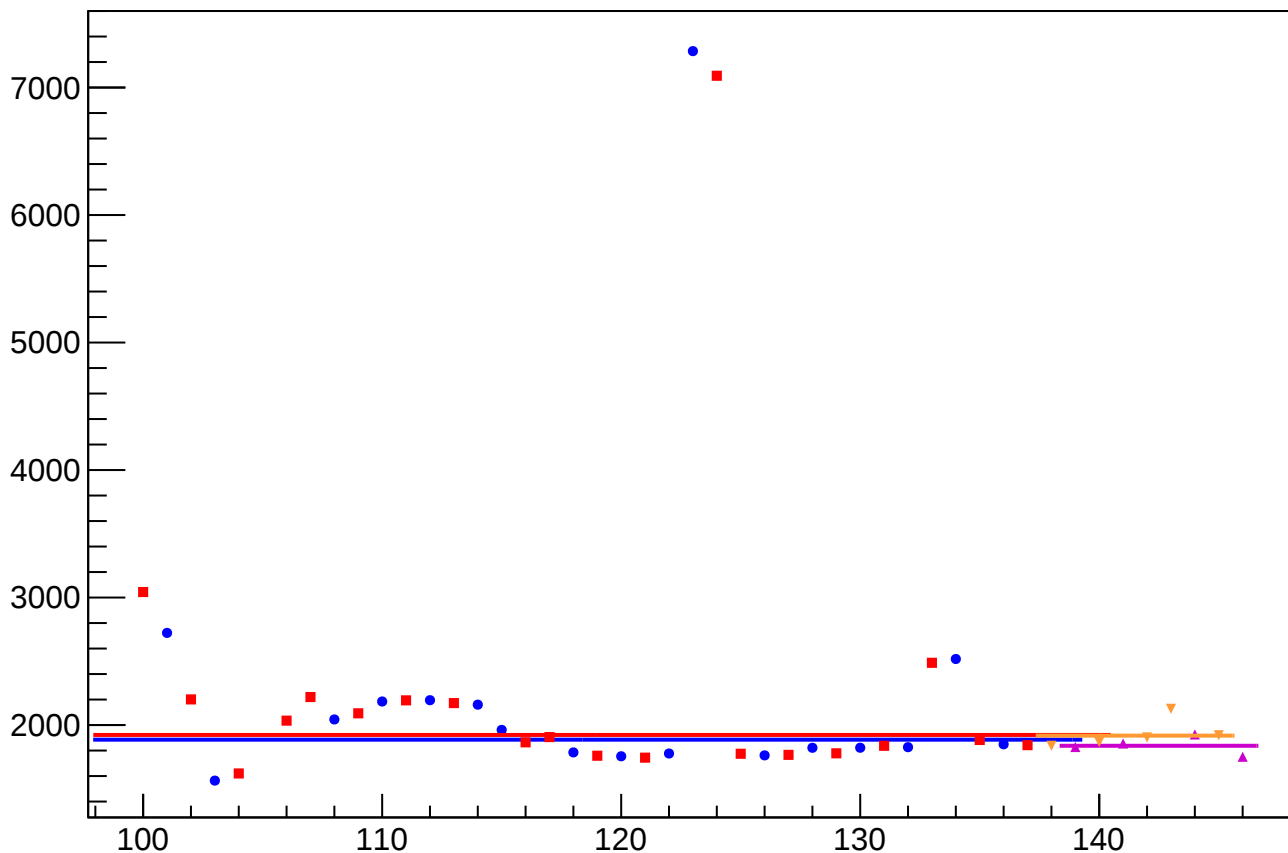
Right Out: 868.810 ± 735.140 χ^2/NDF : 22.7/19

Left In: 1629.162 ± 1022.627 χ^2/NDF : 4.5/3

-138.571 ± 604.870 χ^2/NDF : 15.6/21

1127.869 ± 596.910 χ^2/NDF : 27.5/23

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360 ± 0.524 χ^2/NDF : 280429.0/16

Left Out: 1917.065 ± 0.741 χ^2/NDF : 16396.8/4

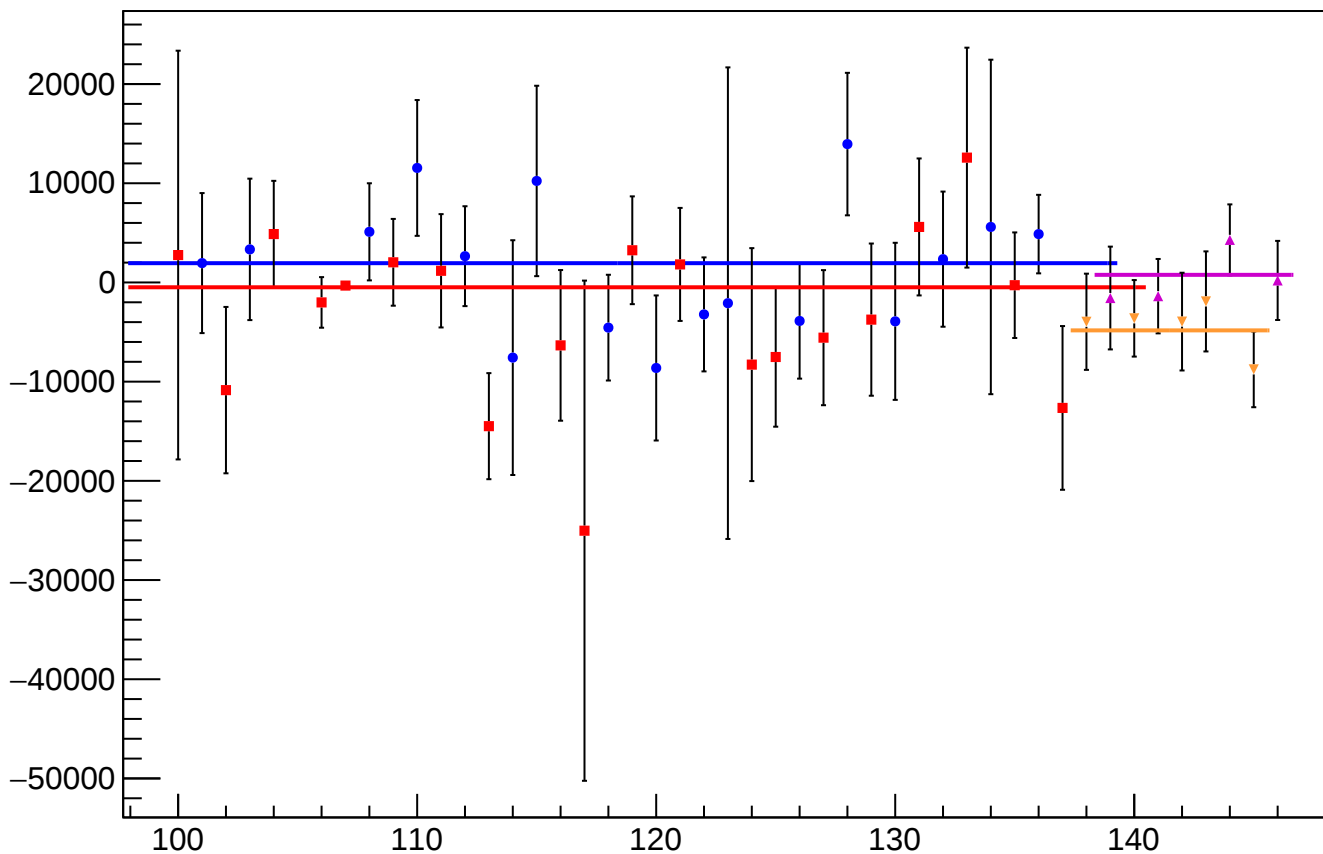
Right Out: 1922.430 ± 0.519 χ^2/NDF : 351518.8/19

Left In: 1837.426 ± 0.723 χ^2/NDF : 7734.8/3

1895.920 ± 0.428 χ^2/NDF : 298046.5/21

1893.528 ± 0.422 χ^2/NDF : 368373.8/23

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178 ± 1581.060 χ^2/NDF : 13.2/16

Left Out: -4831.468 ± 1965.398 χ^2/NDF : 1.6/4

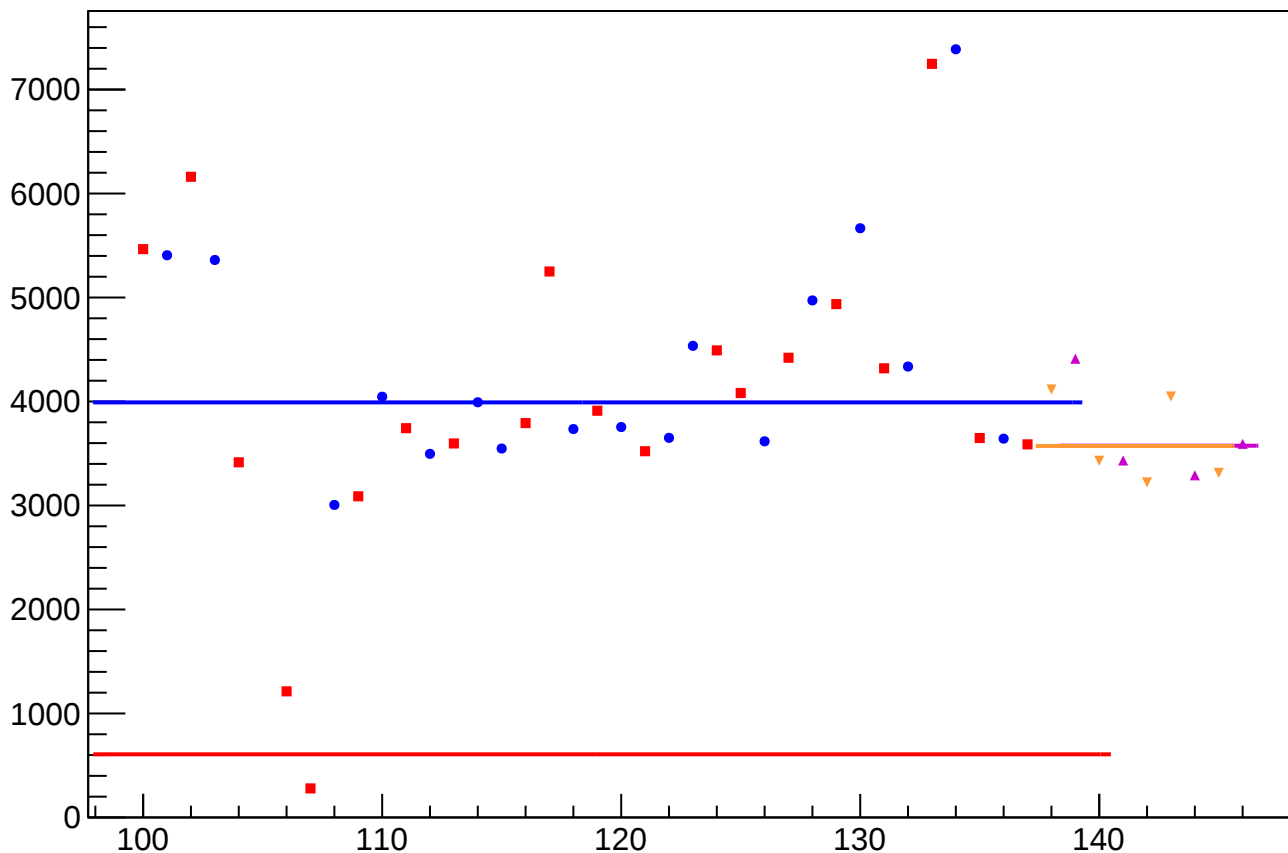
Right Out: -486.774 ± 453.611 χ^2/NDF : 19.0/19

Left In: 766.471 ± 2002.643 χ^2/NDF : 1.5/3

-718.483 ± 1231.923 χ^2/NDF : 22.0/21

-425.614 ± 442.404 χ^2/NDF : 20.9/23

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416 $\pm$ 1.118 χ^2/NDF : 510782.7/16

Left Out: 3572.497 $\pm$ 1.390 χ^2/NDF : 64906.2/4

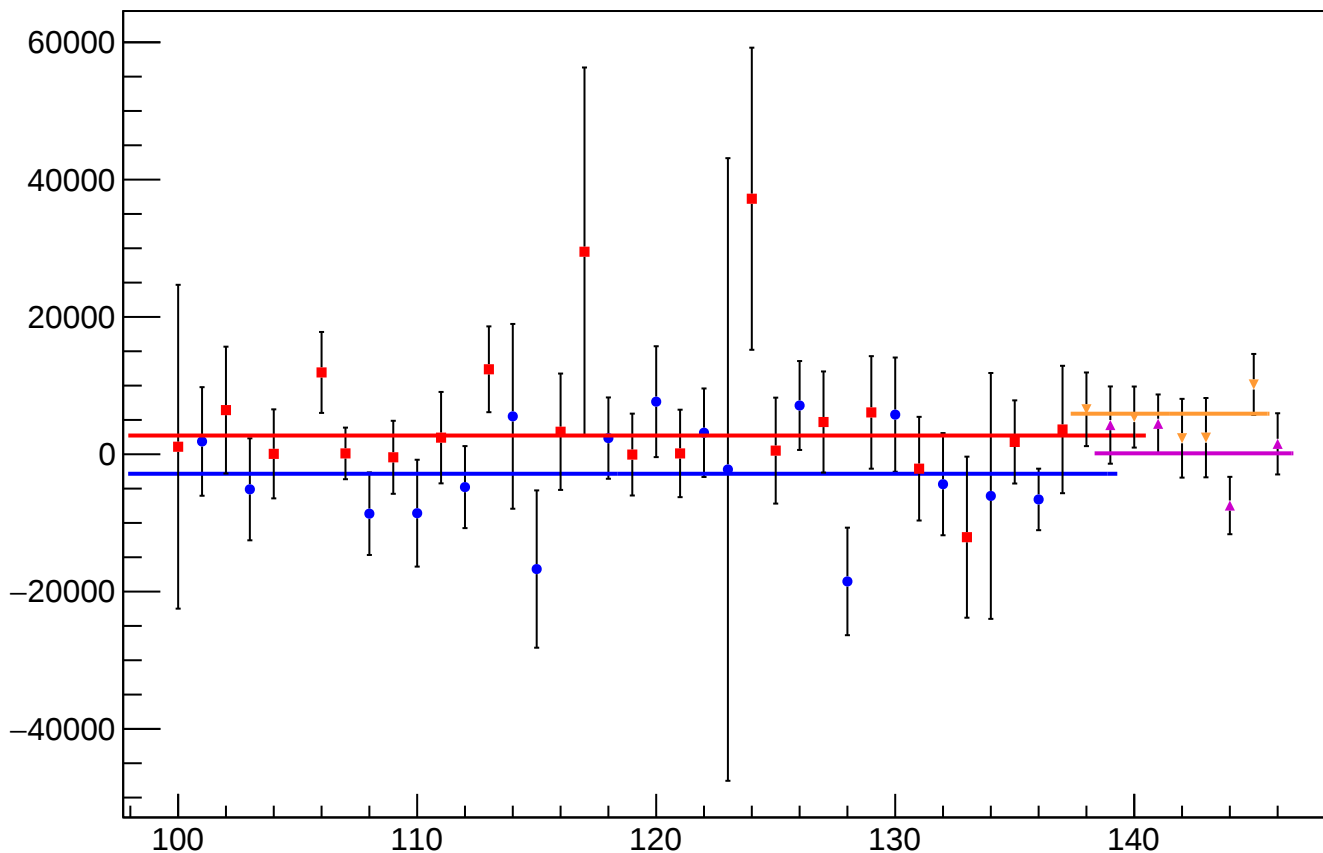
Right Out: 607.234 $\pm$ 0.321 χ^2/NDF : 10314440.1/19

Left In: 3574.966 $\pm$ 1.416 χ^2/NDF : 67708.4/3

3826.829 $\pm$ 0.871 χ^2/NDF : 630853.6/21

752.064 $\pm$ 0.313 χ^2/NDF : 14559909.0/23

asym_atl1r2_dd_mean vs Slug



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

Left Out: 5907.708+/-2256.588 χ^2/NDF : 1.7/4

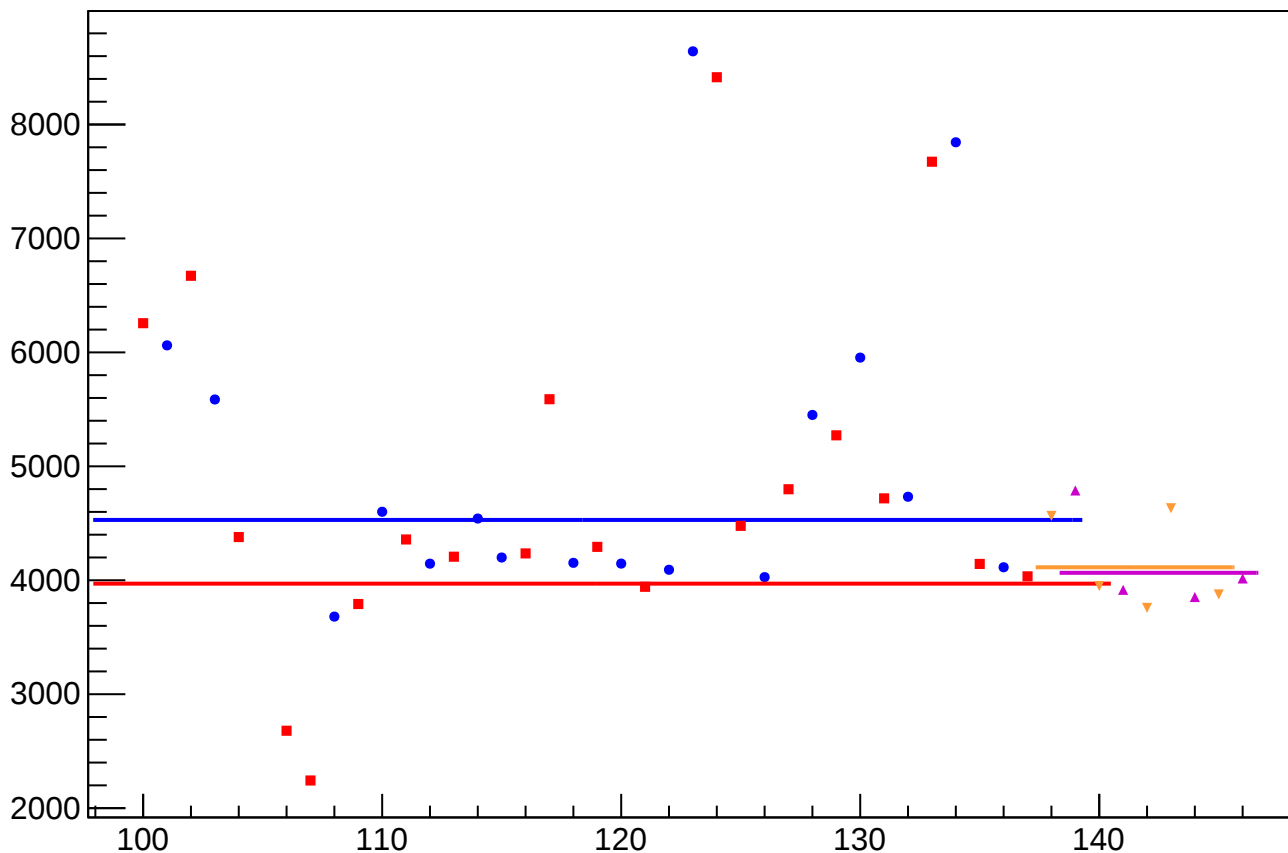
Right Out: 2729.311+/-1572.398 χ^2/NDF : 12.2/19

Left In: 135.406+/-2270.267 χ^2/NDF : 5.0/3

529.460+/-1400.456 χ^2/NDF : 26.4/21

1888.398+/-1292.634 χ^2/NDF : 18.0/23

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462 ± 1.263 χ^2/NDF : 389326.2/16

Left Out: 4113.936 ± 1.596 χ^2/NDF : 46450.5/4

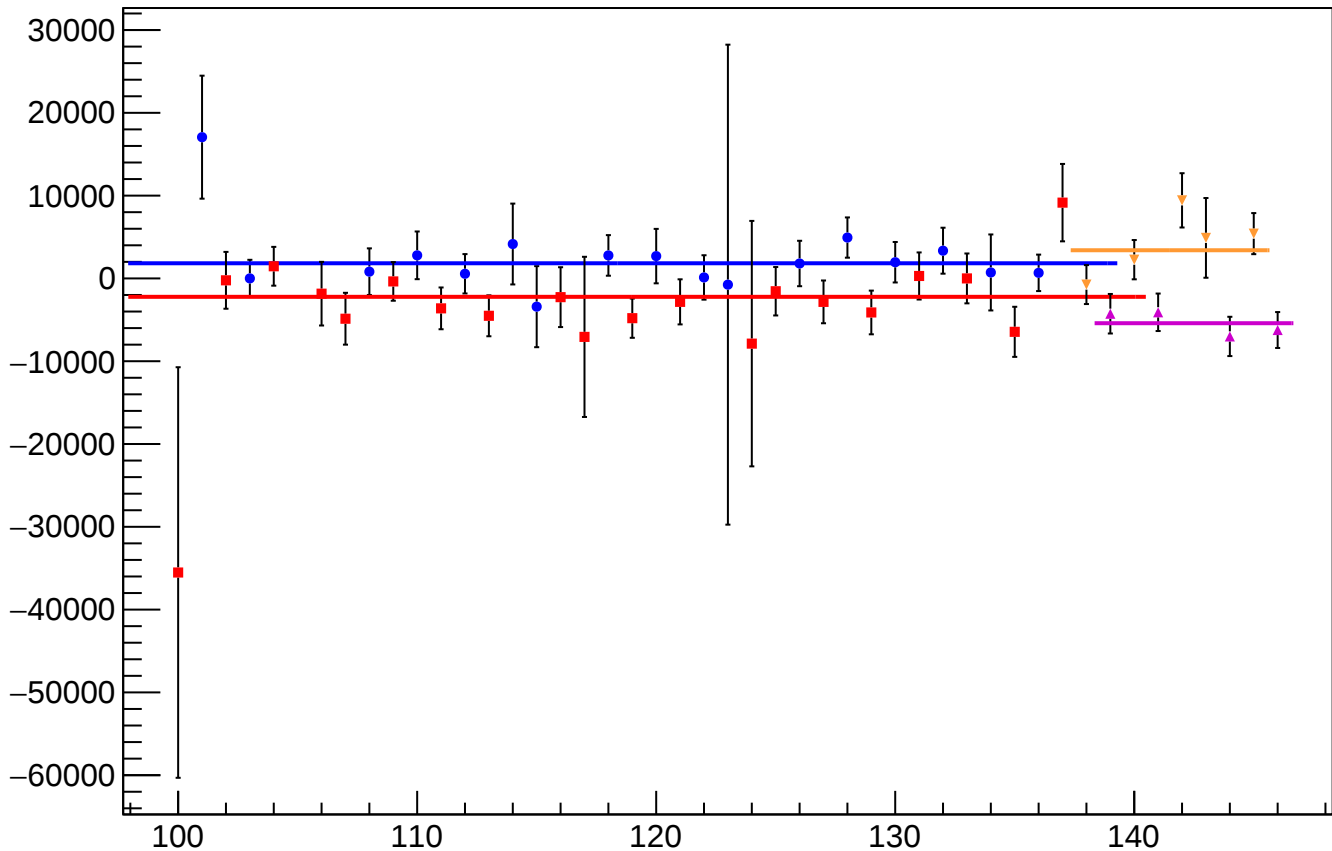
Right Out: 3970.336 ± 1.105 χ^2/NDF : 1147711.9/19

Left In: 4065.445 ± 1.605 χ^2/NDF : 40862.6/3

4369.420 ± 0.990 χ^2/NDF : 477471.9/21

4000.903 ± 0.910 χ^2/NDF : 1190956.5/23

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102 ± 711.335 χ^2/NDF : 9.7/16

Left Out: 3402.638 ± 1233.706 χ^2/NDF : 7.5/4

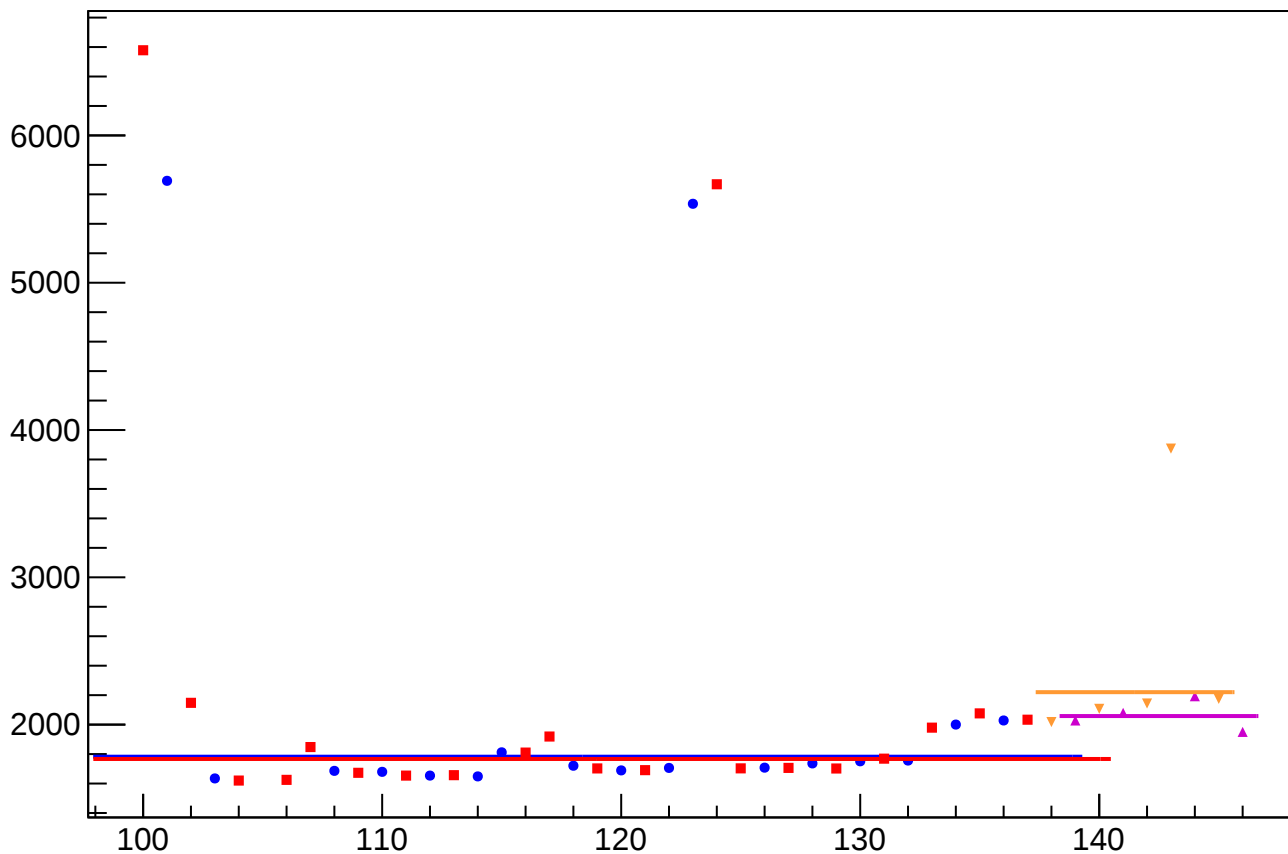
Right Out: -2222.274 ± 682.500 χ^2/NDF : 18.6/19

Left In: -5409.515 ± 1146.285 χ^2/NDF : 1.2/3

2222.453 ± 616.239 χ^2/NDF : 18.4/21

-3056.445 ± 586.425 χ^2/NDF : 25.5/23

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2220.313+/-0.872 χ^2/NDF : 257107.6/4

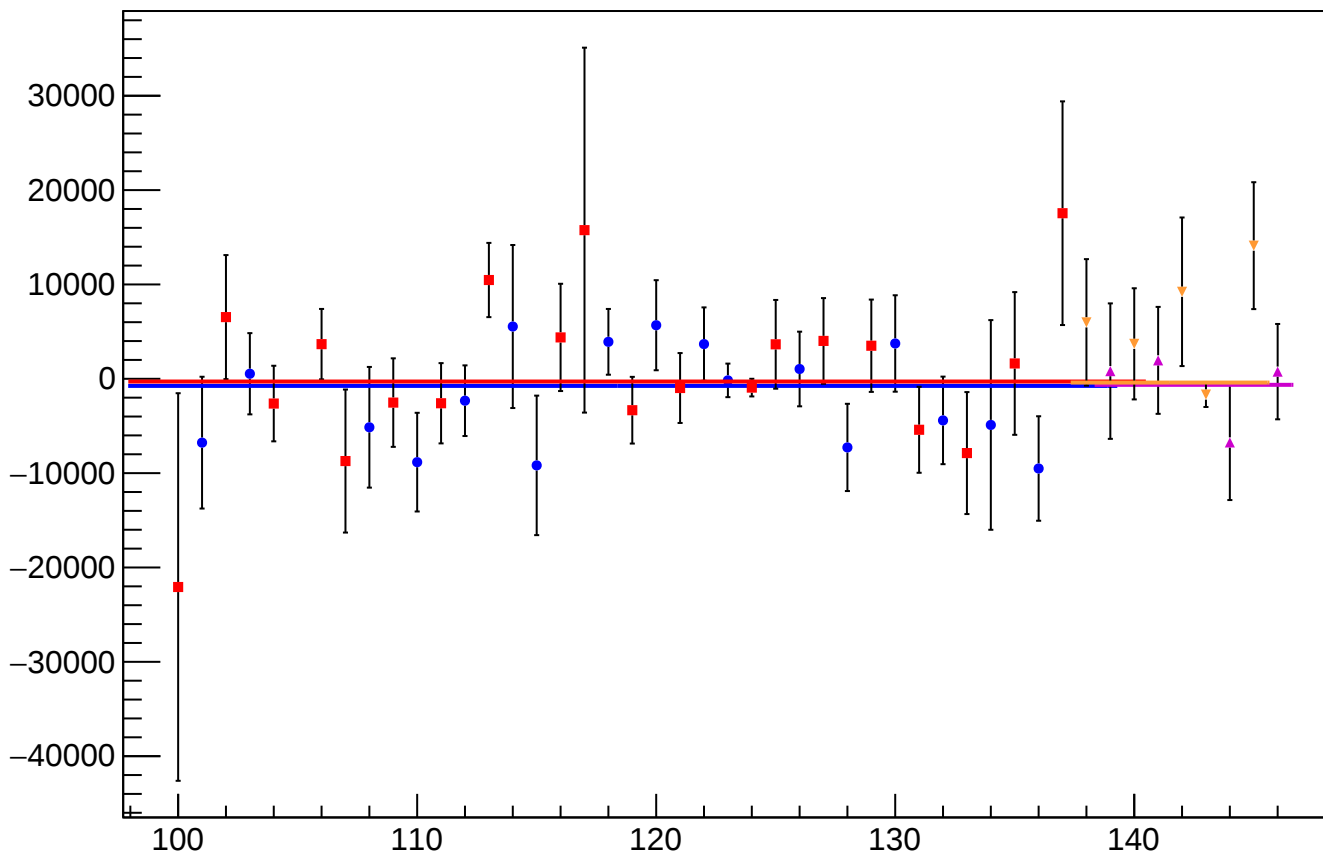
Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

Left In: 2058.134+/-0.811 χ^2/NDF : 11845.1/3

1891.462+/-0.436 χ^2/NDF : 1091641.0/21

1842.221+/-0.413 χ^2/NDF : 414913.8/23

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -399.423+/-1224.081 χ^2/NDF : 8.5/4

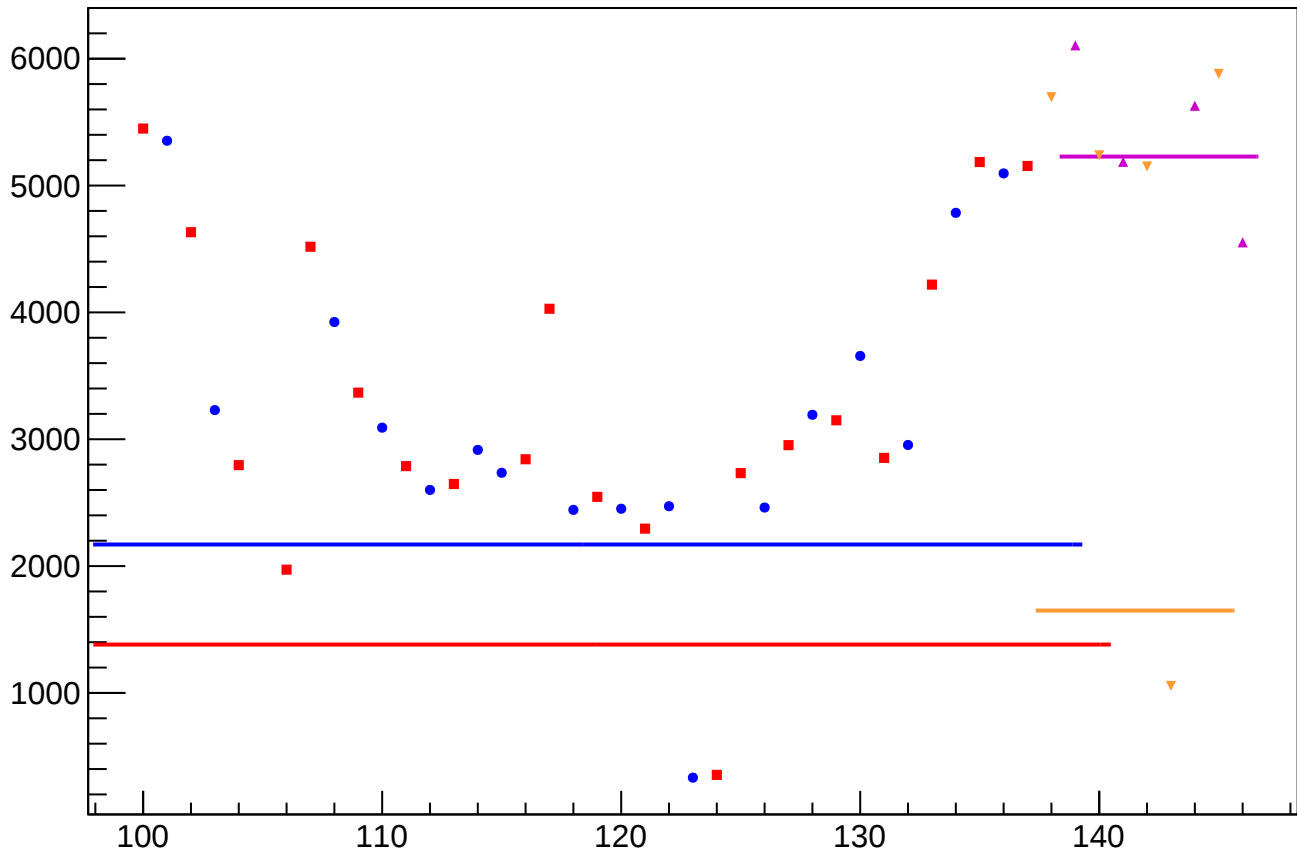
Right Out: -288.847+/-724.622 χ^2/NDF : 22.7/19

Left In: -639.813+/-2929.778 χ^2/NDF : 1.3/3

-610.289+/-778.367 χ^2/NDF : 25.5/21

-309.079+/-703.427 χ^2/NDF : 24.0/23

asym_atr1l2_avg_correction_rms vs Slug



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

Left Out: 1649.382 $\pm$ 0.866 χ^2 /NDF: 3066591.0/4

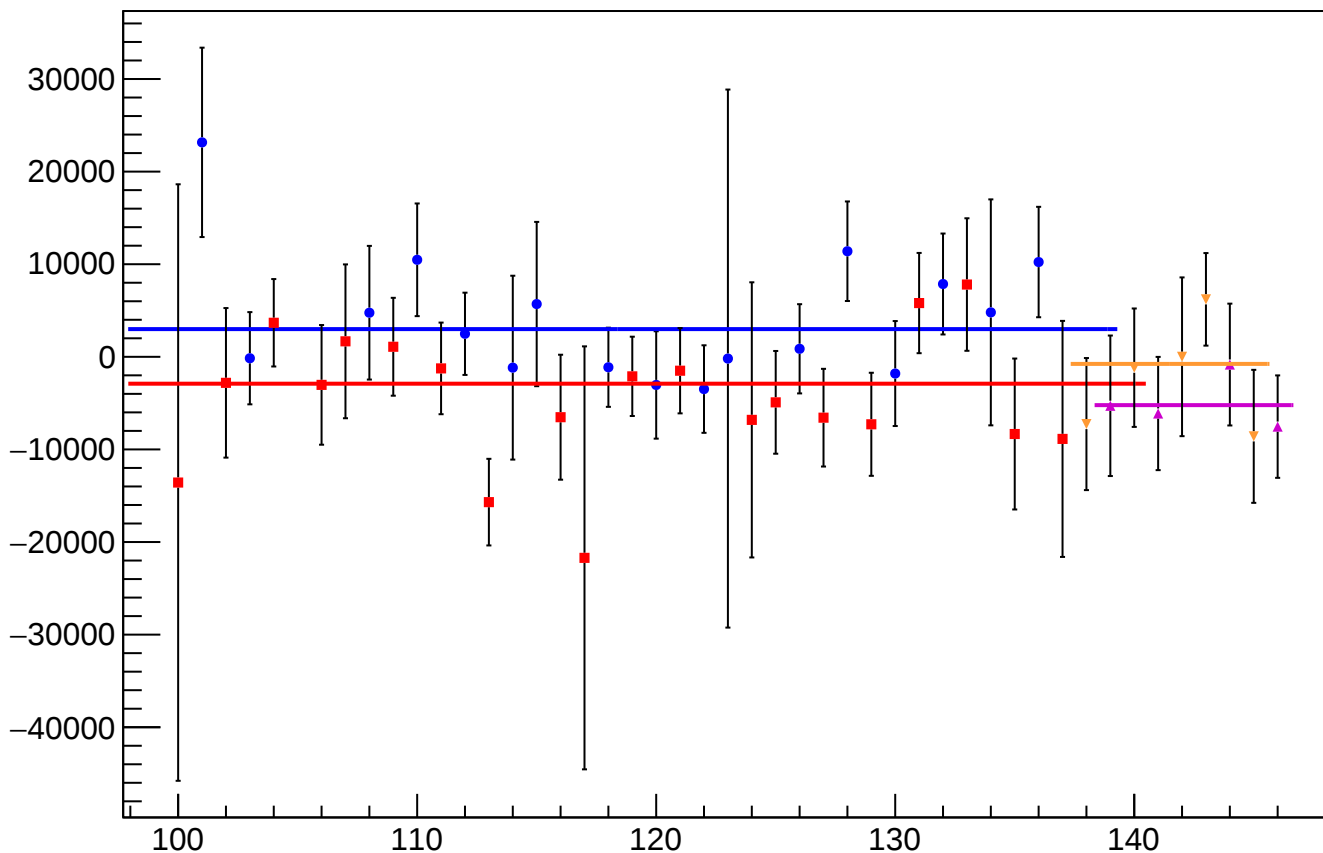
Right Out: 1381.438 $\pm$ 0.512 χ^2 /NDF: 6884822.3/19

Left In: 5228.462 $\pm$ 2.072 χ^2 /NDF: 74355.2/3

1959.636 $\pm$ 0.550 χ^2 /NDF: 7256015.9/21

1603.203 $\pm$ 0.497 χ^2 /NDF: 10208737.0/23

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806+/-1447.211 χ^2/NDF : 15.7/16

Left Out: -764.700+/-2921.521 χ^2/NDF : 4.0/4

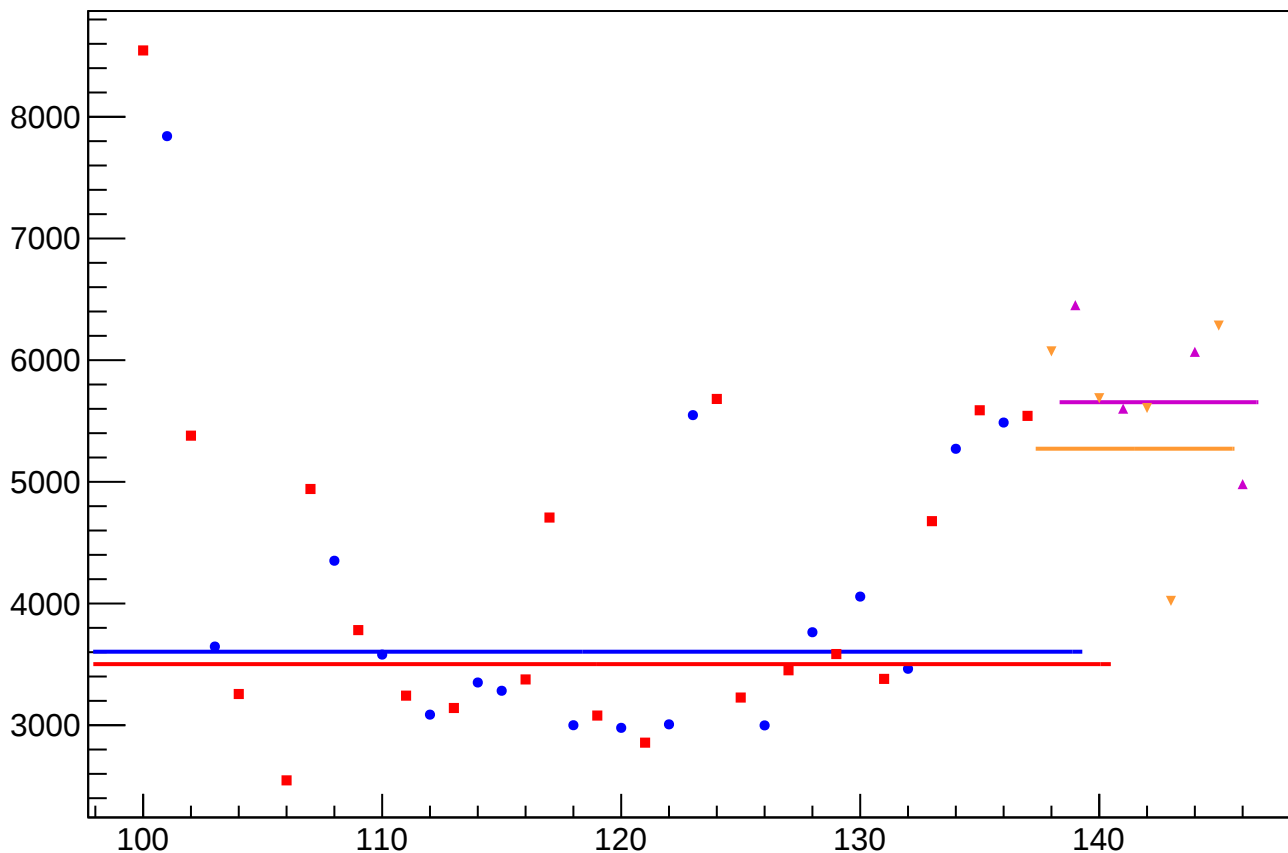
Right Out: -2901.985+/-1376.603 χ^2/NDF : 18.4/19

Left In: -5217.302+/-3163.448 χ^2/NDF : 0.6/3

2252.448+/-1296.821 χ^2/NDF : 21.0/21

-3270.616+/-1262.267 χ^2/NDF : 19.5/23

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 χ^2/NDF : 784674.5/16

Left Out: 5272.355 ± 2.066 χ^2/NDF : 201563.1/4

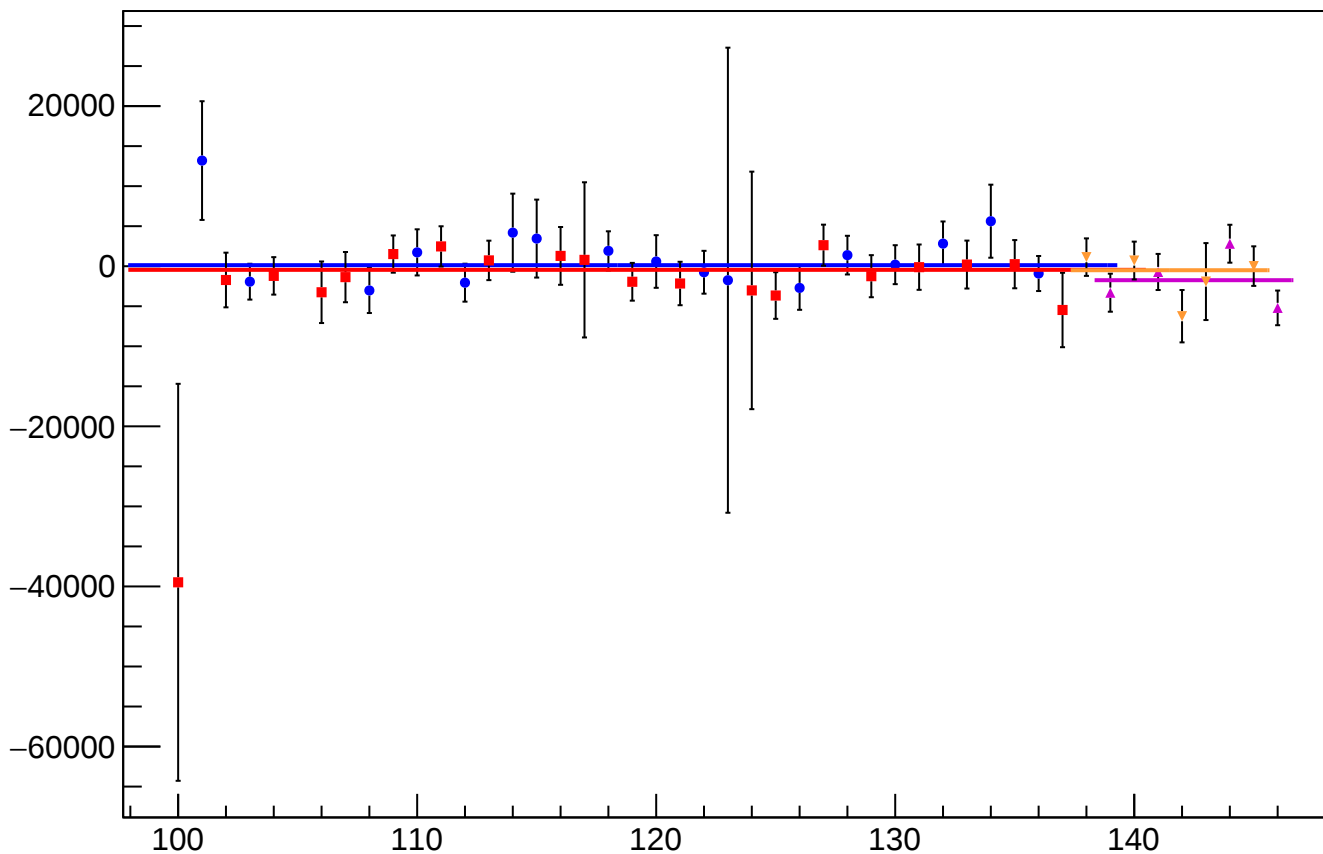
Right Out: 3501.857 ± 0.960 χ^2/NDF : 667483.1/19

Left In: 5654.599 ± 2.237 χ^2/NDF : 59806.2/3

3932.664 ± 0.917 χ^2/NDF : 1509986.6/21

3836.643 ± 0.882 χ^2/NDF : 1509428.3/23

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: -499.979 $\pm$ 1228.924 χ^2 /NDF: 4.0/4

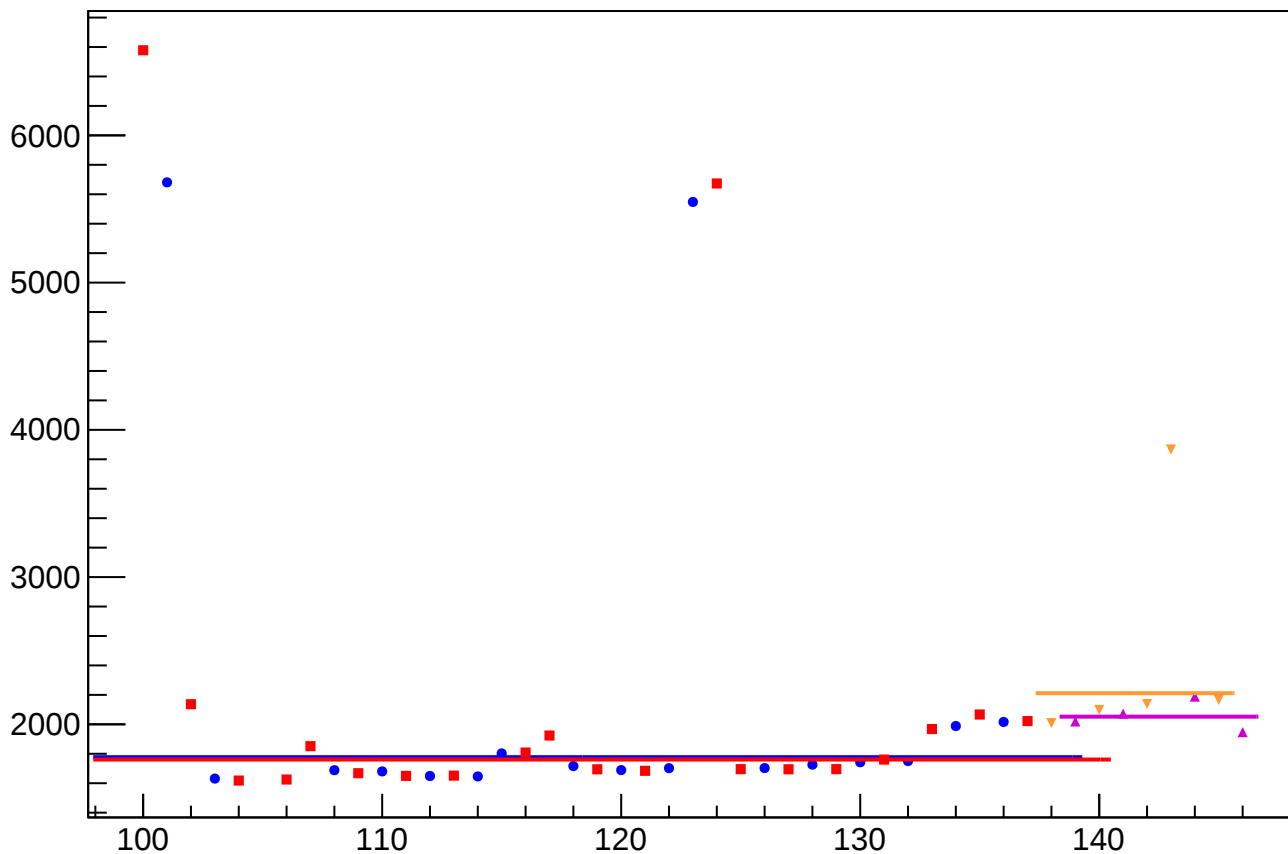
Right Out: -452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

Left In: -1746.124 $\pm$ 1142.905 χ^2 /NDF: 6.9/3

-26.705 $\pm$ 614.259 χ^2 /NDF: 16.3/21

-791.104 $\pm$ 584.488 χ^2 /NDF: 18.6/23

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 2211.459+/-0.869 χ^2/NDF : 258575.0/4

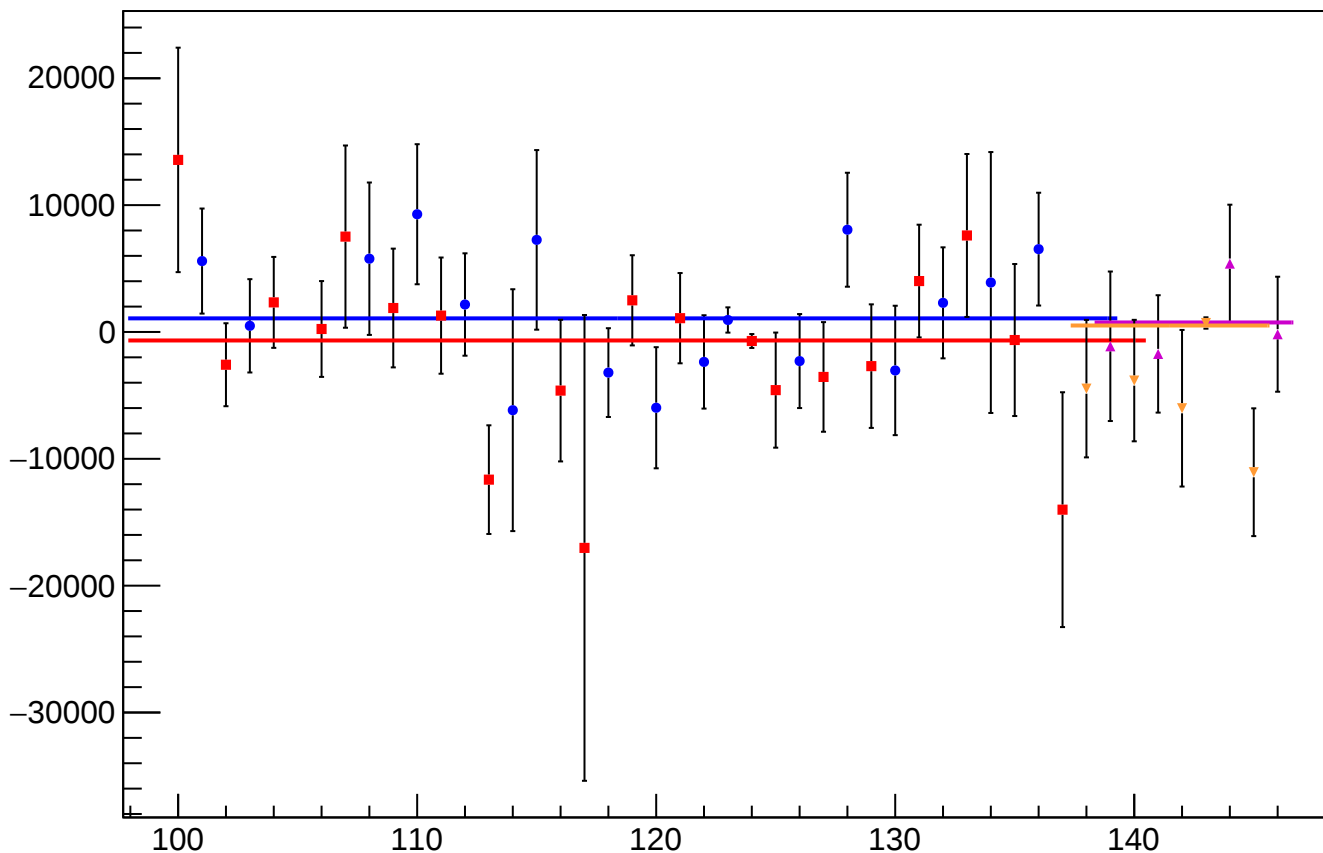
Right Out: 1760.787+/-0.478 χ^2/NDF : 306724.5/19

Left In: 2052.150+/-0.808 χ^2/NDF : 11869.2/3

1885.452+/-0.434 χ^2/NDF : 1089770.9/21

1836.227+/-0.411 χ^2/NDF : 414919.8/23

asym_atr1l2_dd_correction_mean vs Slug



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

Left Out: 510.071+/-441.422 χ^2/NDF : 8.3/4

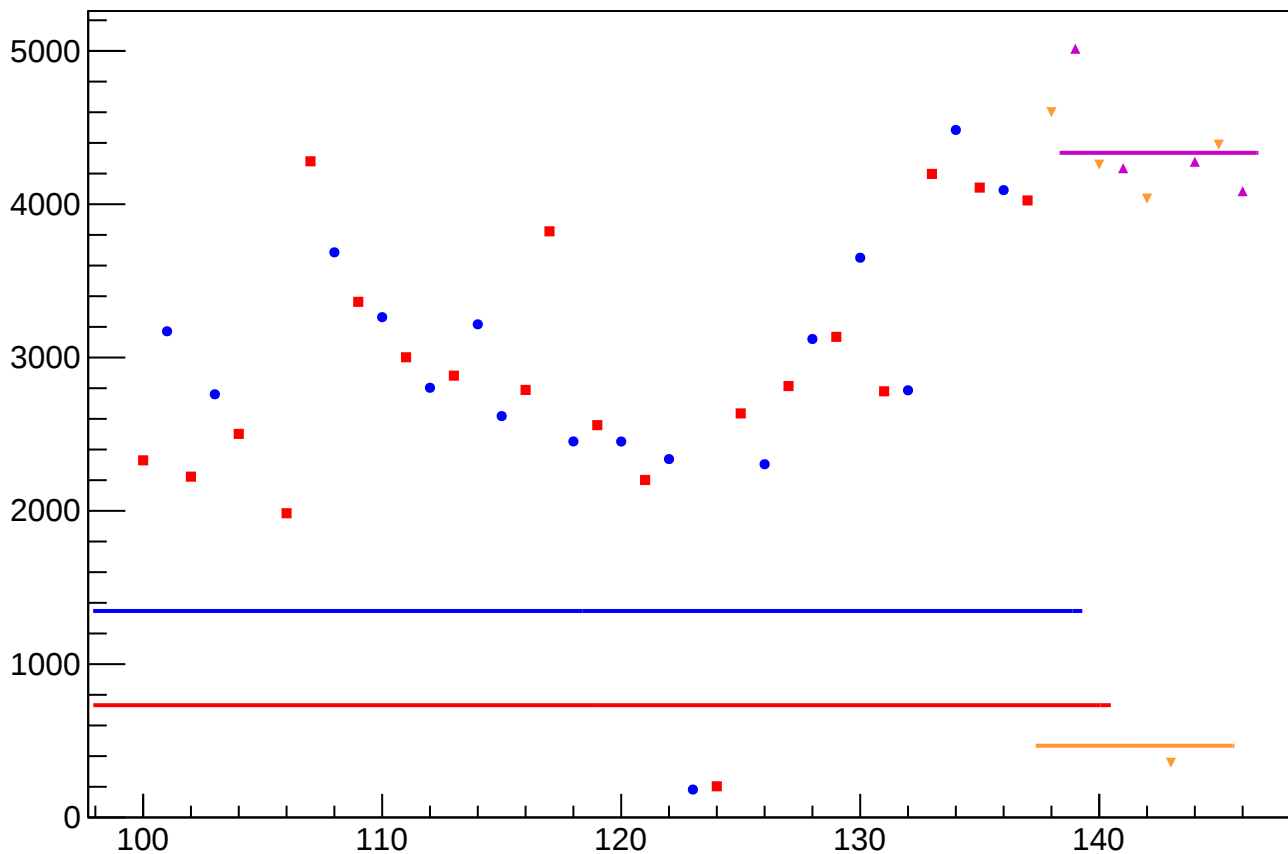
Right Out: -670.313+/-487.861 χ^2/NDF : 20.6/19

Left In: 749.974+/-2421.559 χ^2/NDF : 1.4/3

654.044+/-380.719 χ^2/NDF : 24.2/21

-614.914+/-478.252 χ^2/NDF : 22.3/23

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 467.757+/-0.312 χ^2/NDF : 4420561.0/4

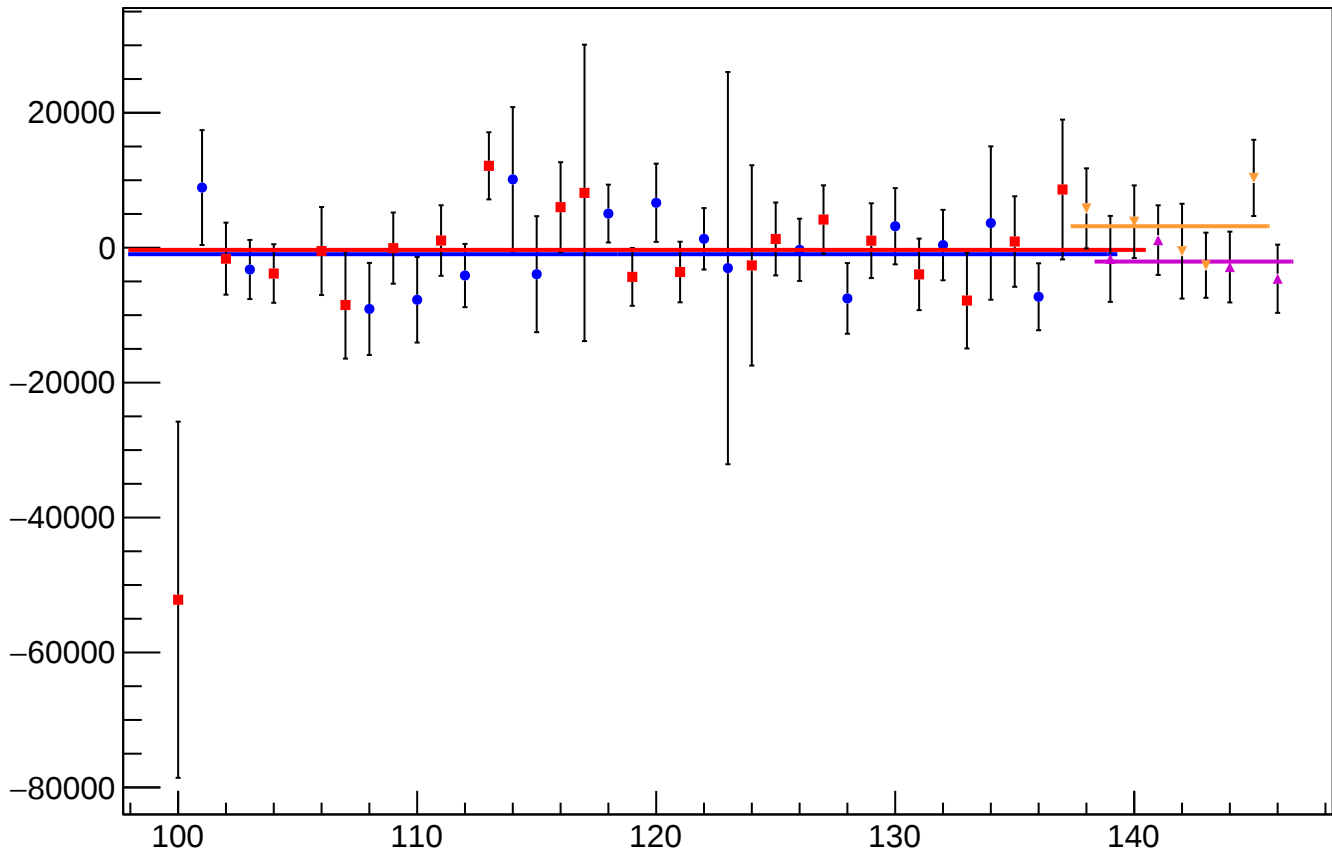
Right Out: 732.303+/-0.345 χ^2/NDF : 9559853.6/19

Left In: 4335.358+/-1.712 χ^2/NDF : 33891.4/3

692.910+/-0.269 χ^2/NDF : 13291224.7/21

872.842+/-0.338 χ^2/NDF : 13848776.2/23

asym_atr1l2_dd_mean vs Slug



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 3181.119 ± 2520.666 χ^2/NDF : 3.5/4

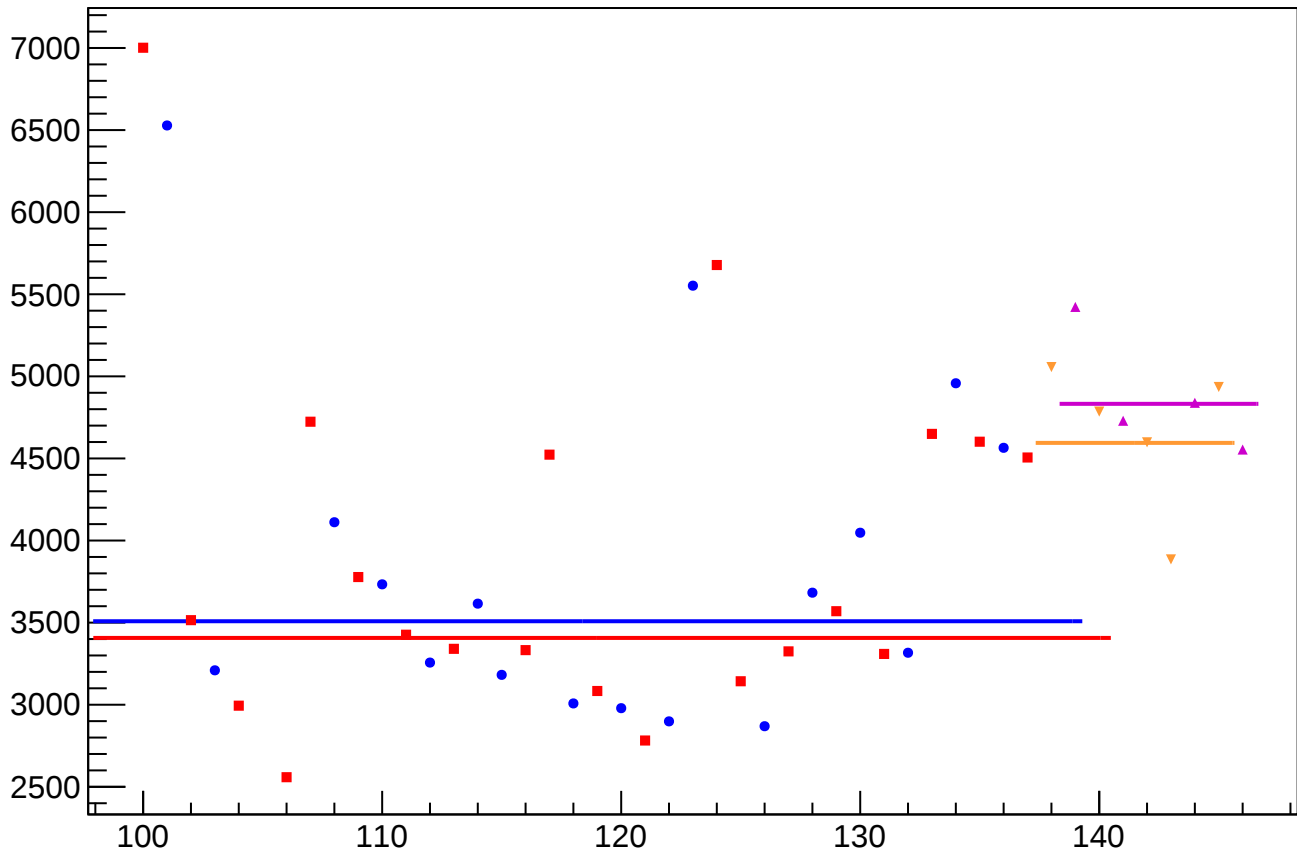
Right Out: -323.694 ± 1327.331 χ^2/NDF : 17.8/19

Left In: -2055.506 ± 2695.333 χ^2/NDF : 0.7/3

8.446 ± 1220.971 χ^2/NDF : 19.3/21

-661.707 ± 1190.773 χ^2/NDF : 18.8/23

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4594.817+/-1.782 χ^2/NDF : 65076.3/4

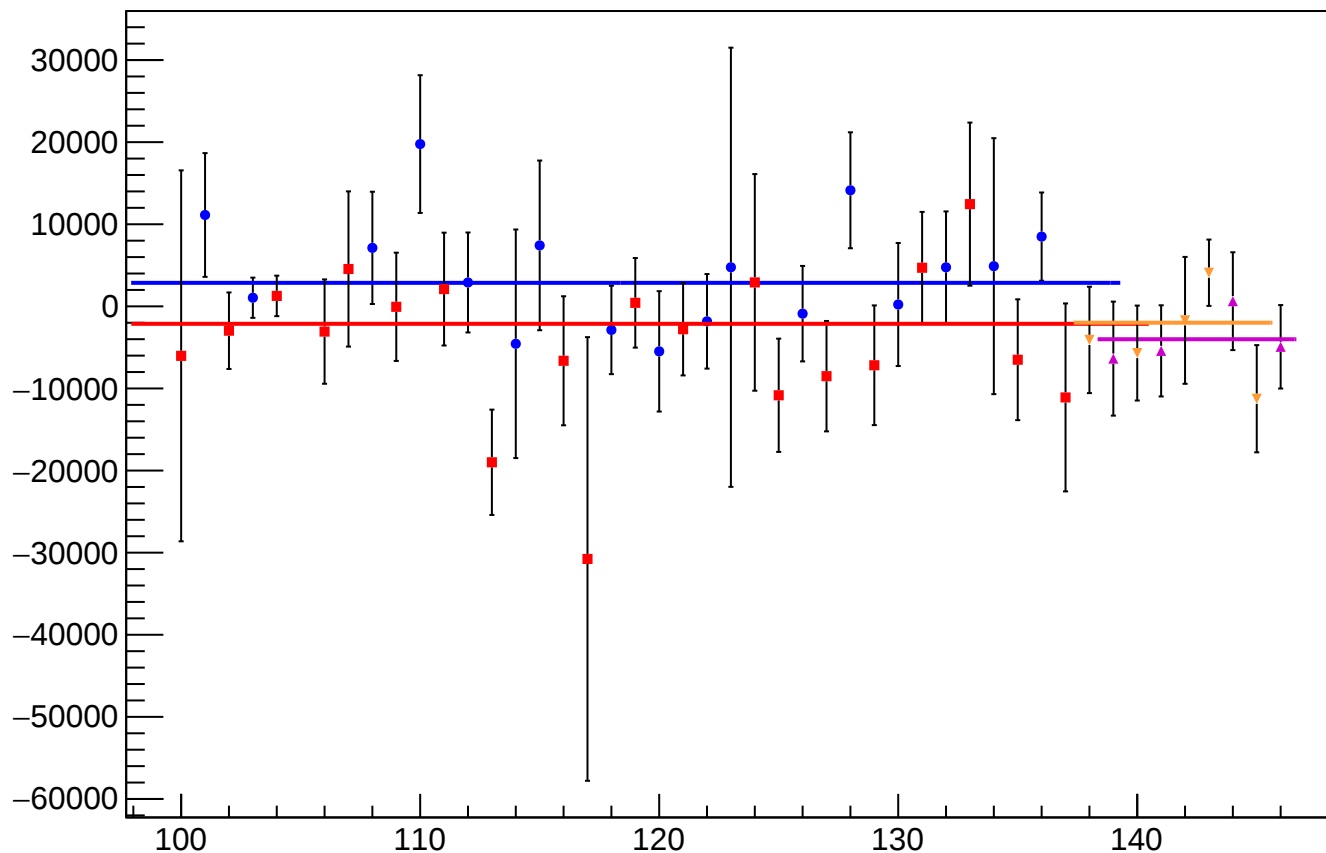
Right Out: 3406.868+/-0.926 χ^2/NDF : 433737.9/19

Left In: 4832.612+/-1.906 χ^2/NDF : 24020.1/3

3763.365+/-0.863 χ^2/NDF : 911589.3/21

3679.374+/-0.833 χ^2/NDF : 910411.4/23

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: -1989.692 $\pm$ 2538.256 χ^2 /NDF: 4.8/4

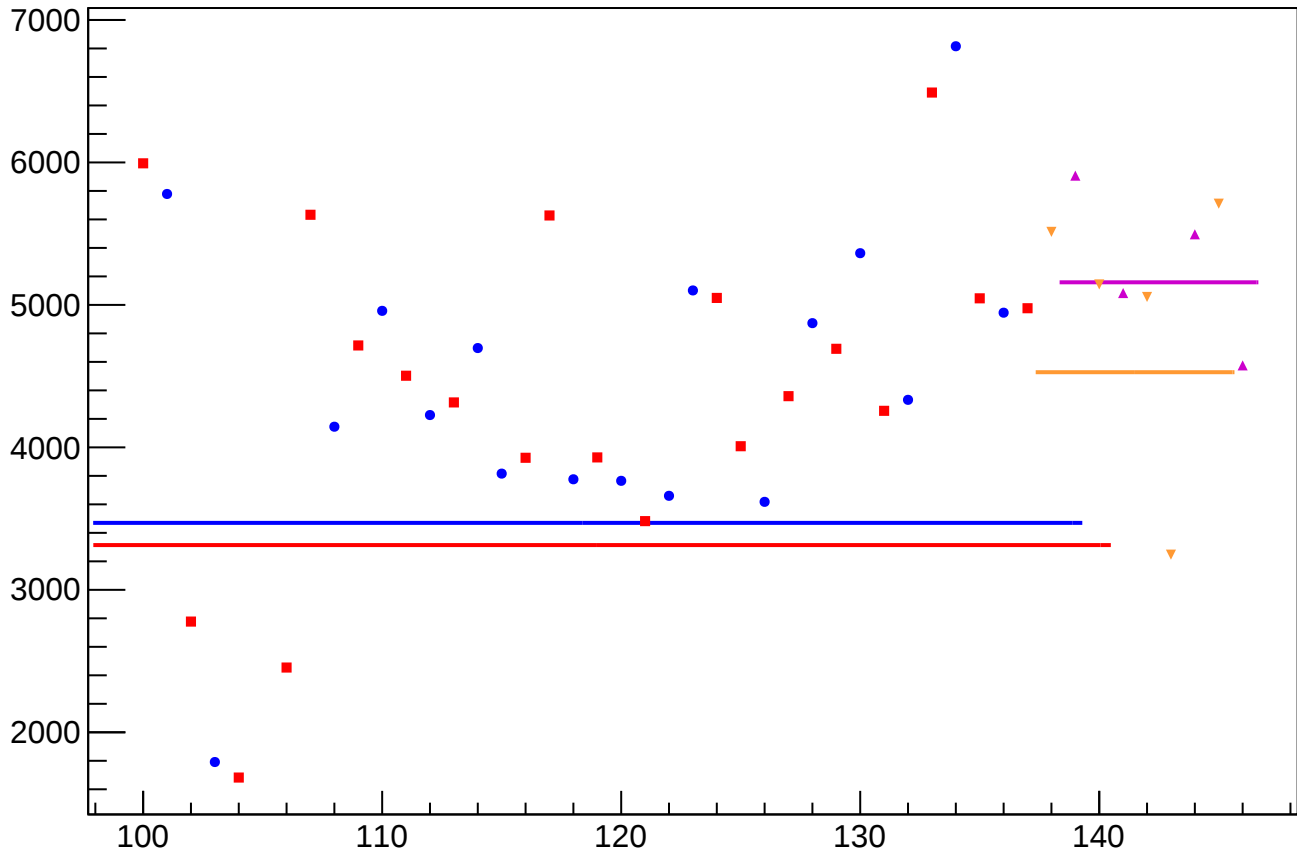
Right Out: -2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

Left In: -4005.373 $\pm$ 2886.006 χ^2 /NDF: 0.8/3

1667.061 $\pm$ 1260.784 χ^2 /NDF: 21.6/21

-2475.736 $\pm$ 1244.823 χ^2 /NDF: 20.0/23

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 ± 1.027 $\chi^2/\text{NDF}: 1760860.6/16$

Left Out: 4527.608 ± 1.795 $\chi^2/\text{NDF}: 344941.4/4$

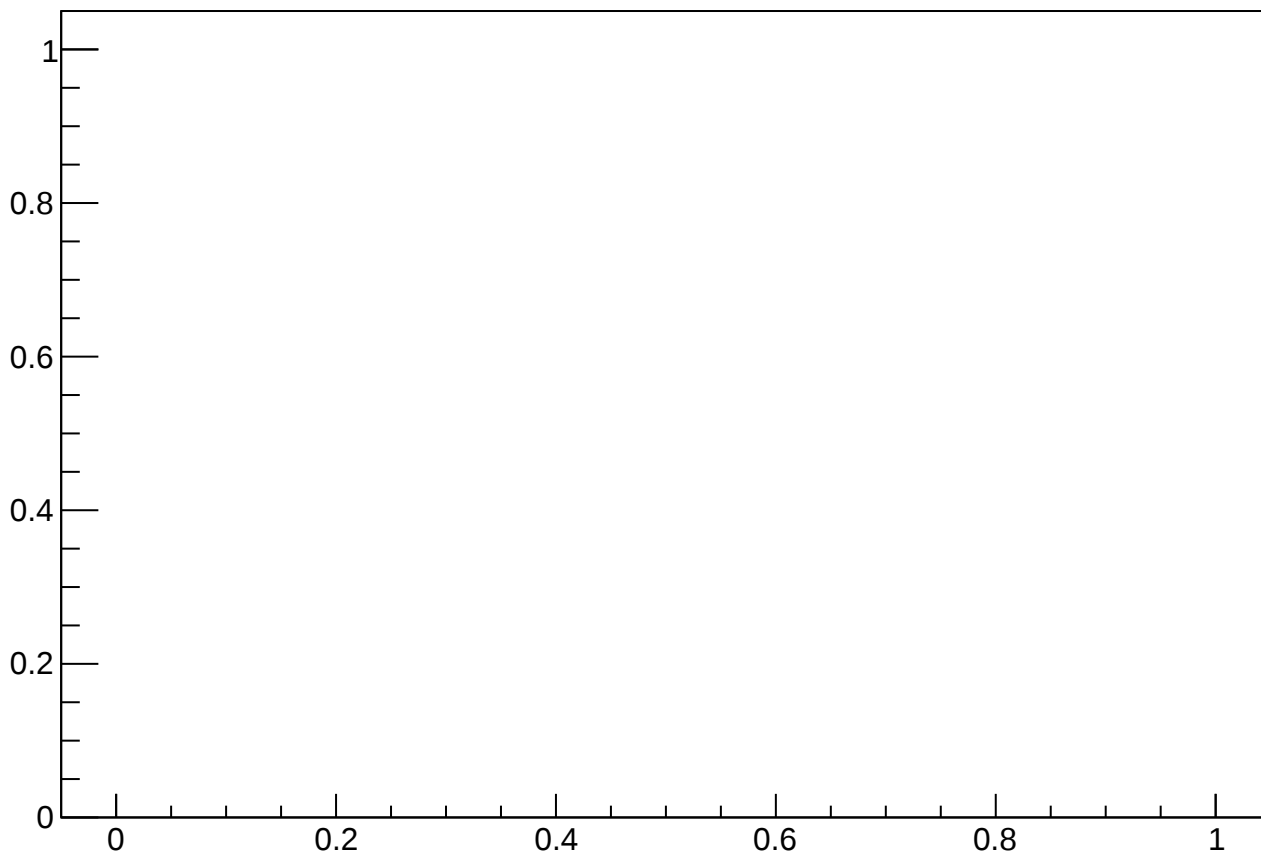
3730.959 ± 0.891 $\chi^2/\text{NDF}: 2367339.0/21$

Right Out: 3314.183 ± 0.967 $\chi^2/\text{NDF}: 1925484.9/19$

3652.251 ± 0.874 $\chi^2/\text{NDF}: 2649002.8/23$

Left In: 5158.628 ± 2.041 $\chi^2/\text{NDF}: 56349.8/3$

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



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

0.000+/-0.000 χ^2 /NDF: 0.0/0

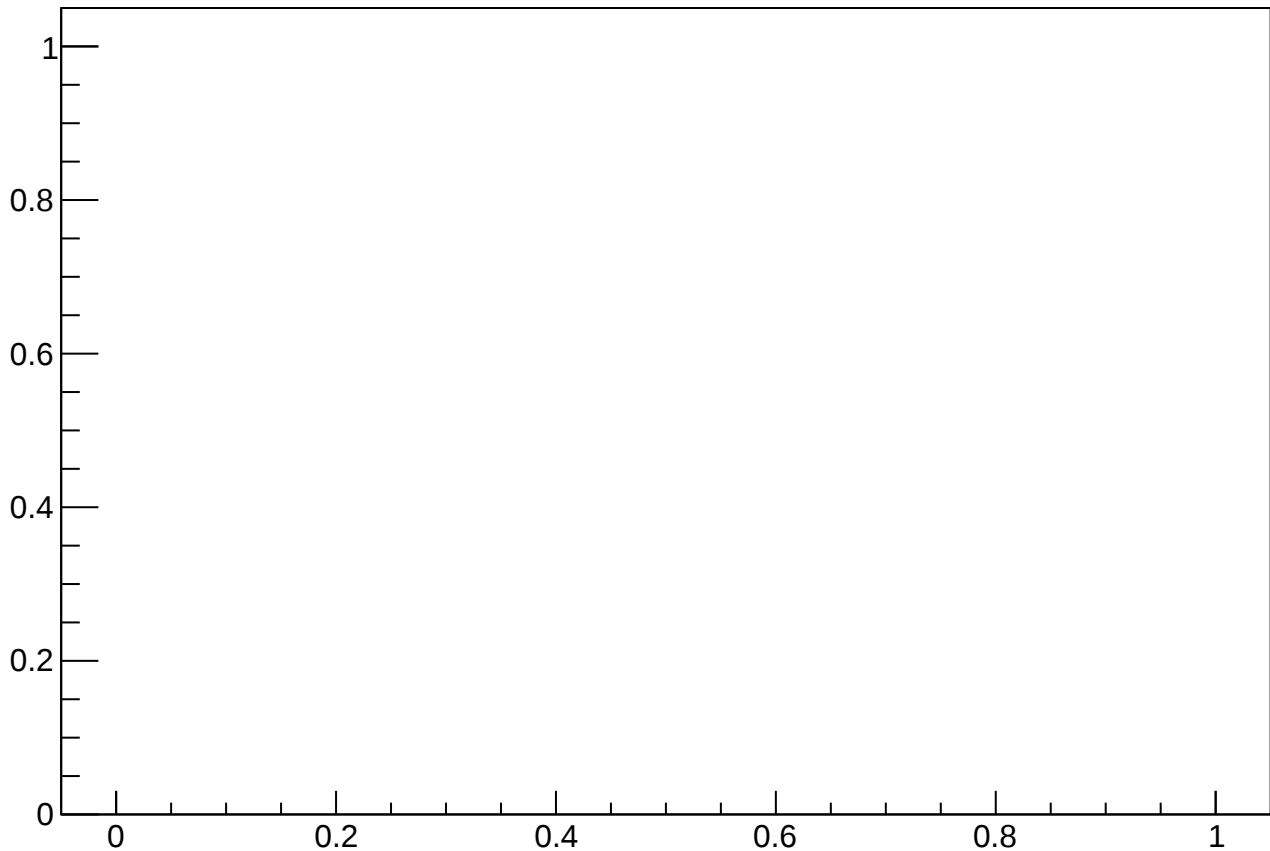
Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



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

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

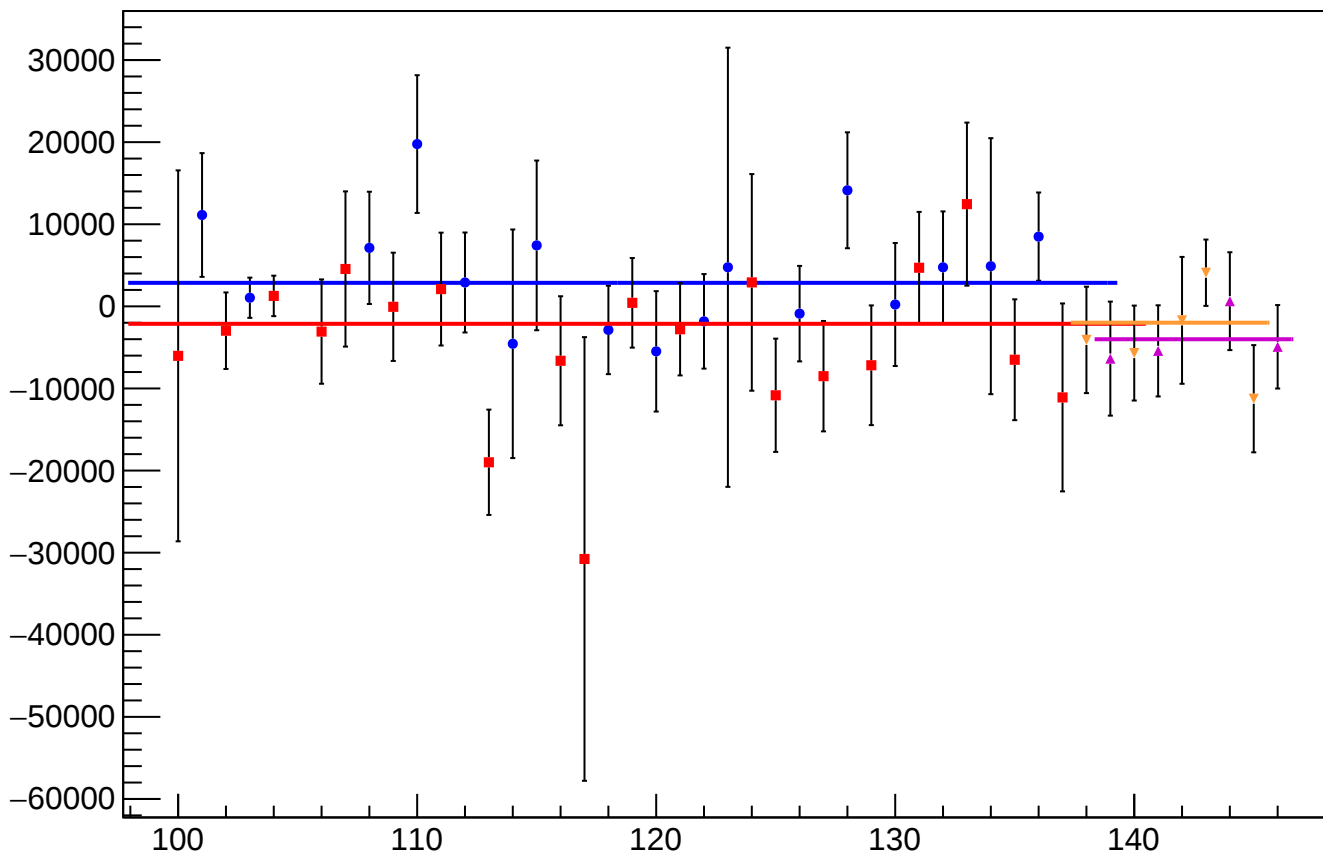
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -1989.692+/-2538.256 χ^2/NDF : 4.8/4

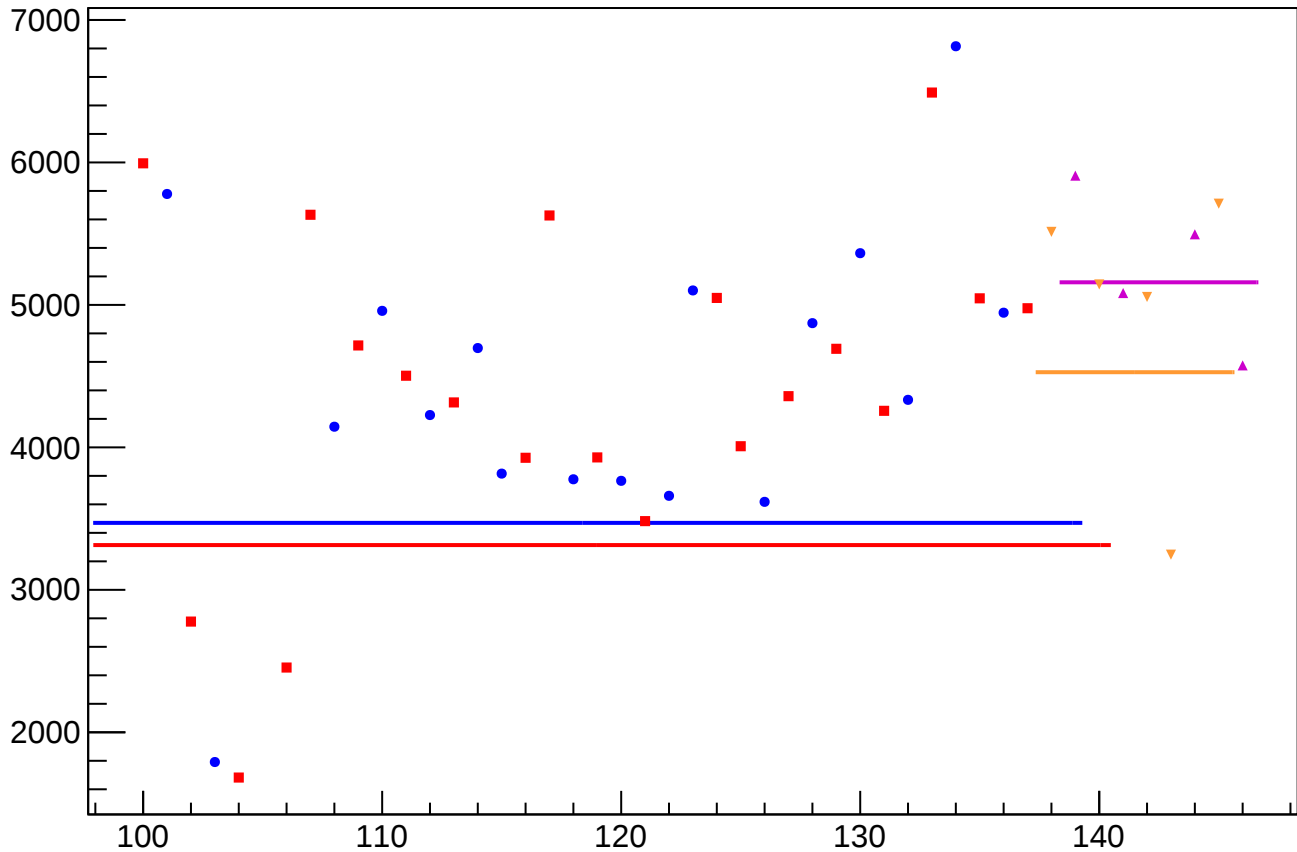
Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

Left In: -4005.373+/-2886.006 χ^2/NDF : 0.8/3

1667.061+/-1260.784 χ^2/NDF : 21.6/21

-2475.736+/-1244.823 χ^2/NDF : 20.0/23

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 4527.608 $\pm$ 1.795 χ^2 /NDF:344941.4/4

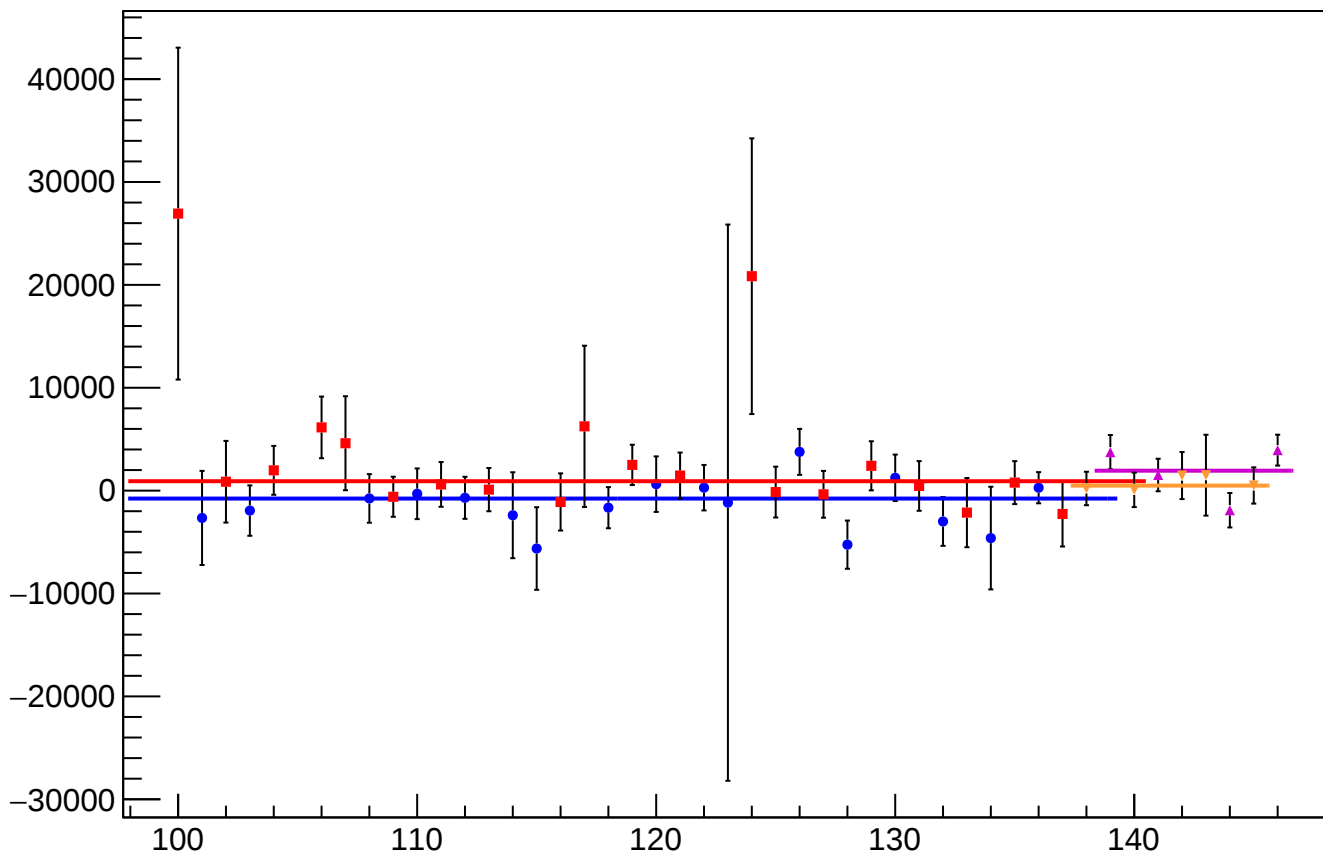
Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

Left In: 5158.628 $\pm$ 2.041 χ^2 /NDF:56349.8/3

3730.959 $\pm$ 0.891 χ^2 /NDF: 2367339.0/21

3652.251 $\pm$ 0.874 χ^2 /NDF: 2649002.8/23

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 490.042+/-872.321 χ^2/NDF : 0.3/4

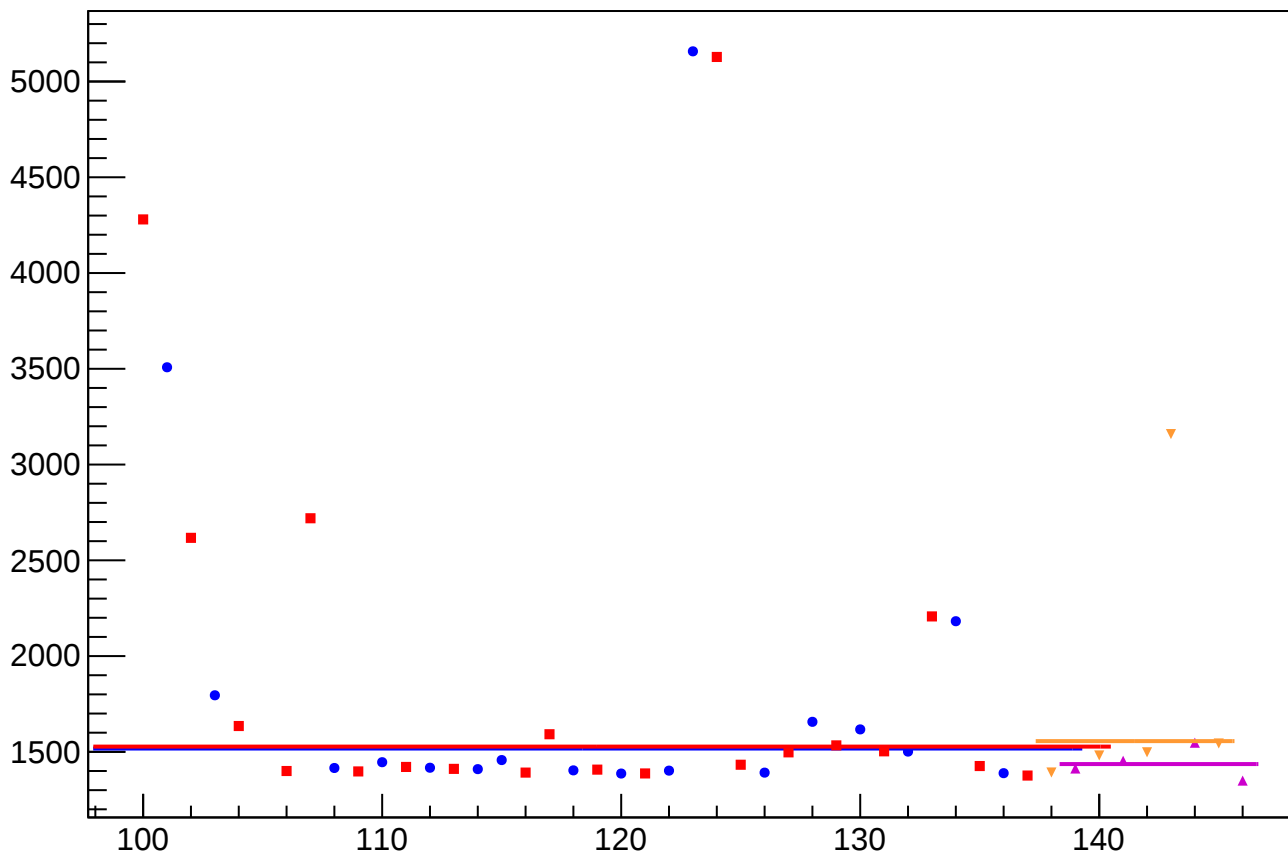
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 1938.537+/-800.492 χ^2/NDF : 8.3/3

-362.732+/-496.409 χ^2/NDF : 15.0/21

1278.518+/-476.676 χ^2/NDF : 23.3/23

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1555.979+/-0.617 χ^2/NDF : 358372.2/4

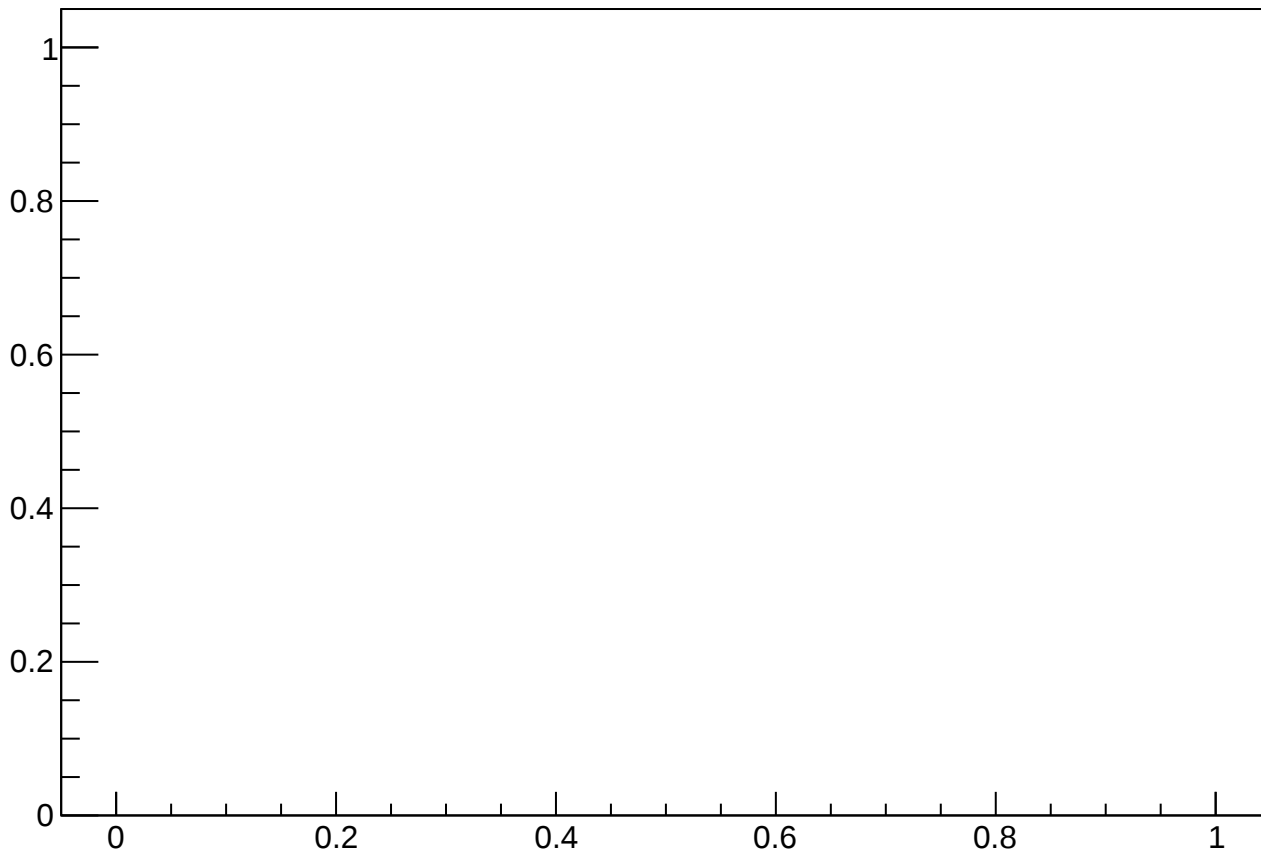
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1436.206+/-0.566 χ^2/NDF : 16100.5/3

1529.849+/-0.351 χ^2/NDF : 897689.0/21

1495.049+/-0.337 χ^2/NDF : 664665.8/23

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



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

0.000+/-0.000 χ^2 /NDF: 0.0/0

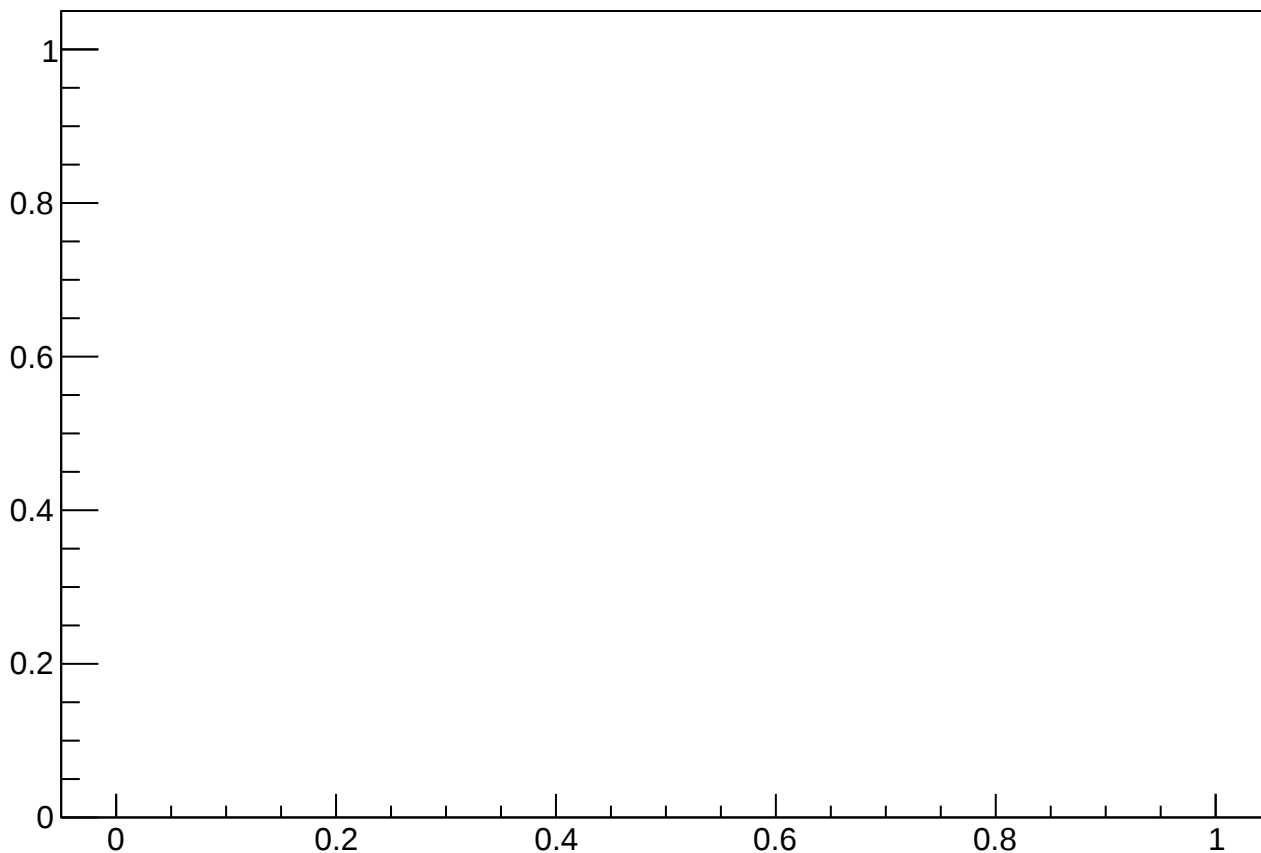
Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



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

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

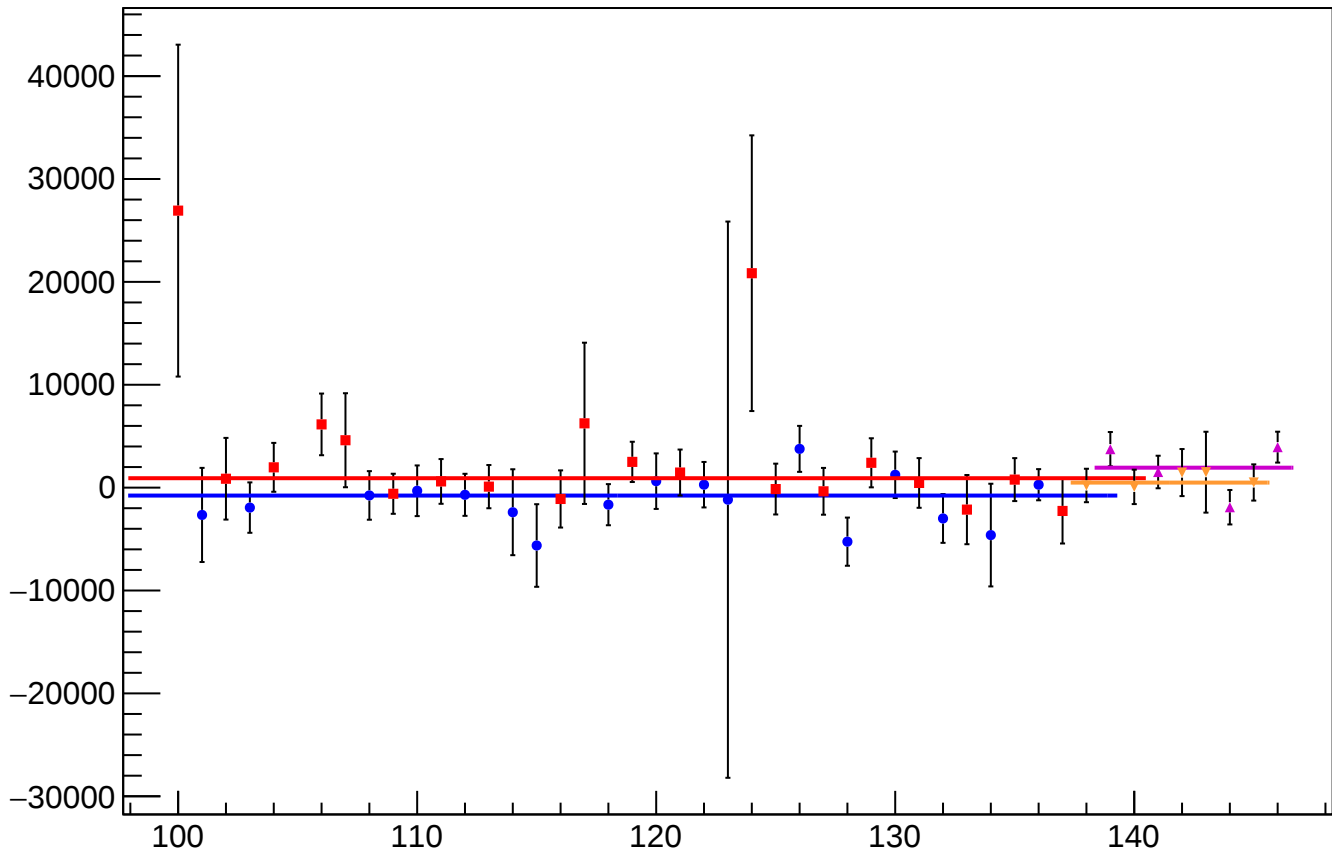
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-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: 490.042+/-872.321 χ^2/NDF : 0.3/4

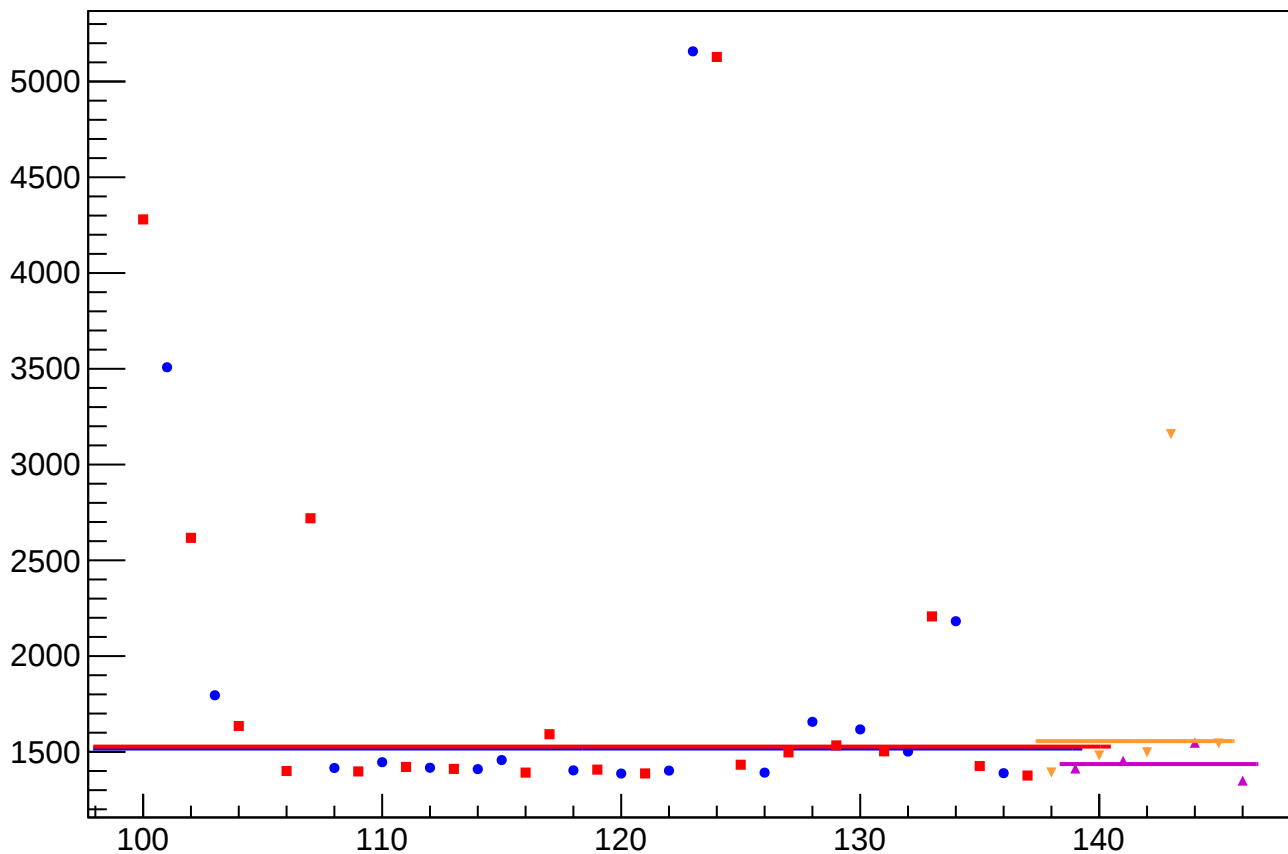
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 1938.537+/-800.492 χ^2/NDF : 8.3/3

-362.732+/-496.409 χ^2/NDF : 15.0/21

1278.518+/-476.676 χ^2/NDF : 23.3/23

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1555.979+/-0.617 χ^2/NDF : 358372.2/4

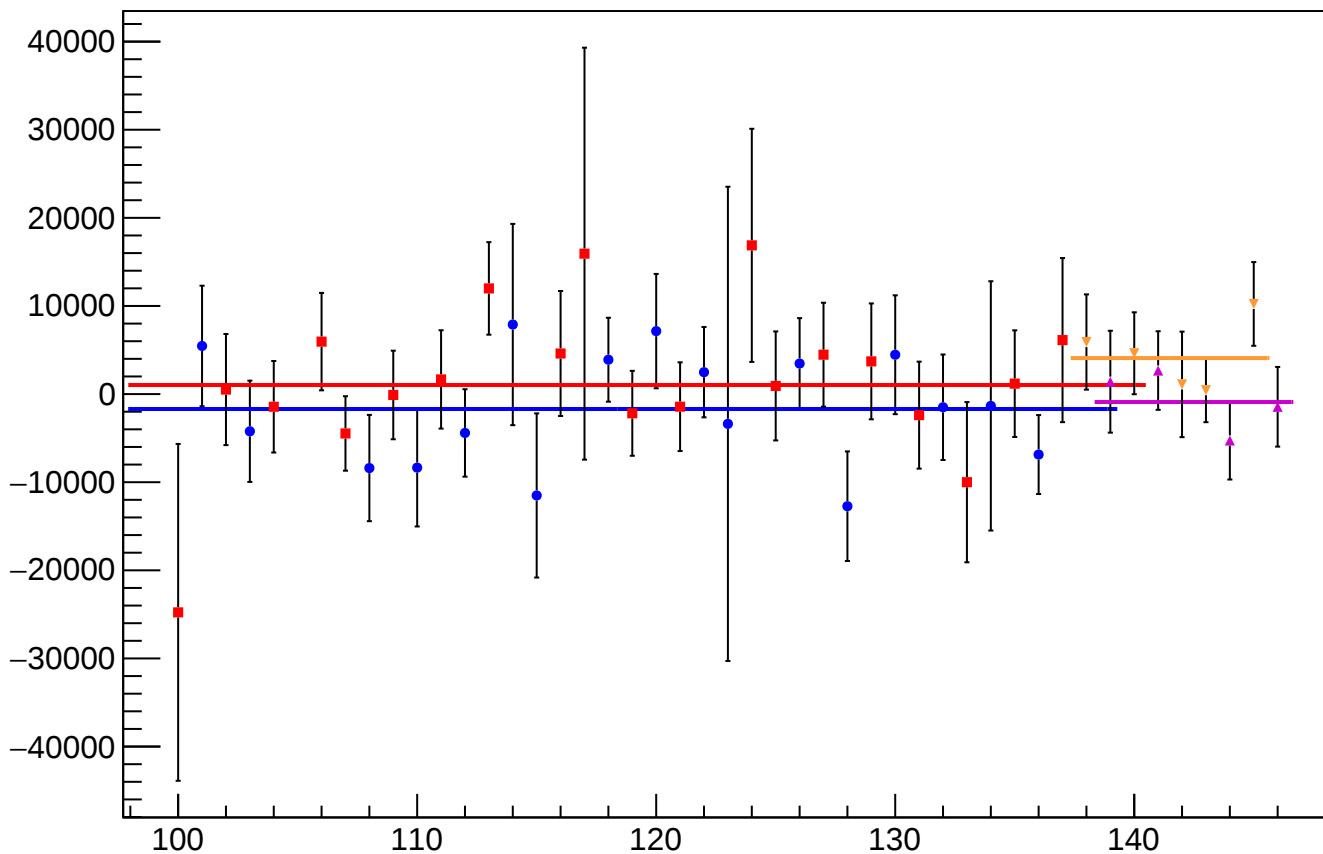
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1436.206+/-0.566 χ^2/NDF : 16100.5/3

1529.849+/-0.351 χ^2/NDF : 897689.0/21

1495.049+/-0.337 χ^2/NDF : 664665.8/23

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: 4088.146 $\pm$ 2091.620 χ^2 /NDF:3.1/4

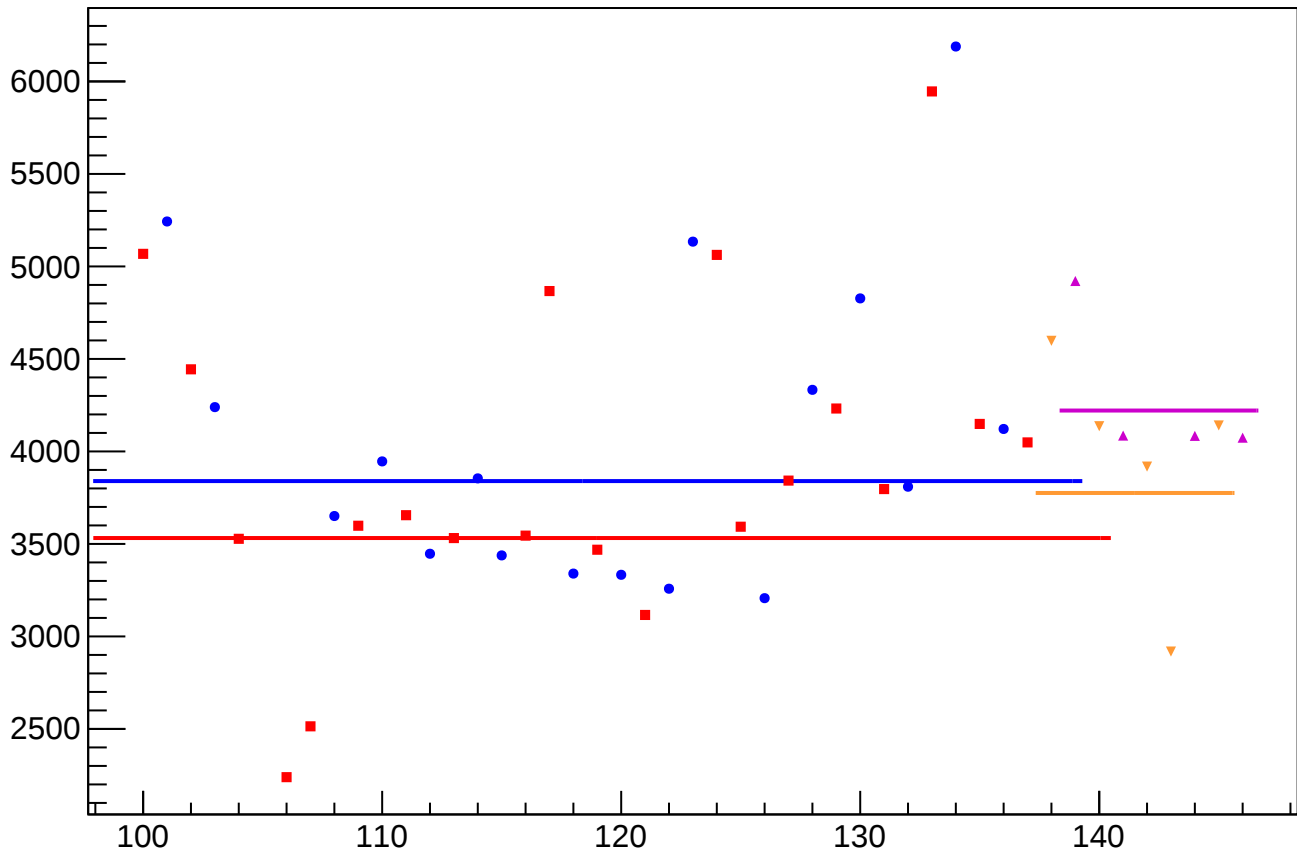
Right Out: 1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

Left In: -901.089 $\pm$ 2356.515 χ^2 /NDF:1.8/3

293.033 $\pm$ 1225.859 χ^2 /NDF: 23.9/21

538.568 $\pm$ 1188.570 χ^2 /NDF: 16.6/23

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3775.467+/-1.479 χ^2/NDF :182768.7/4

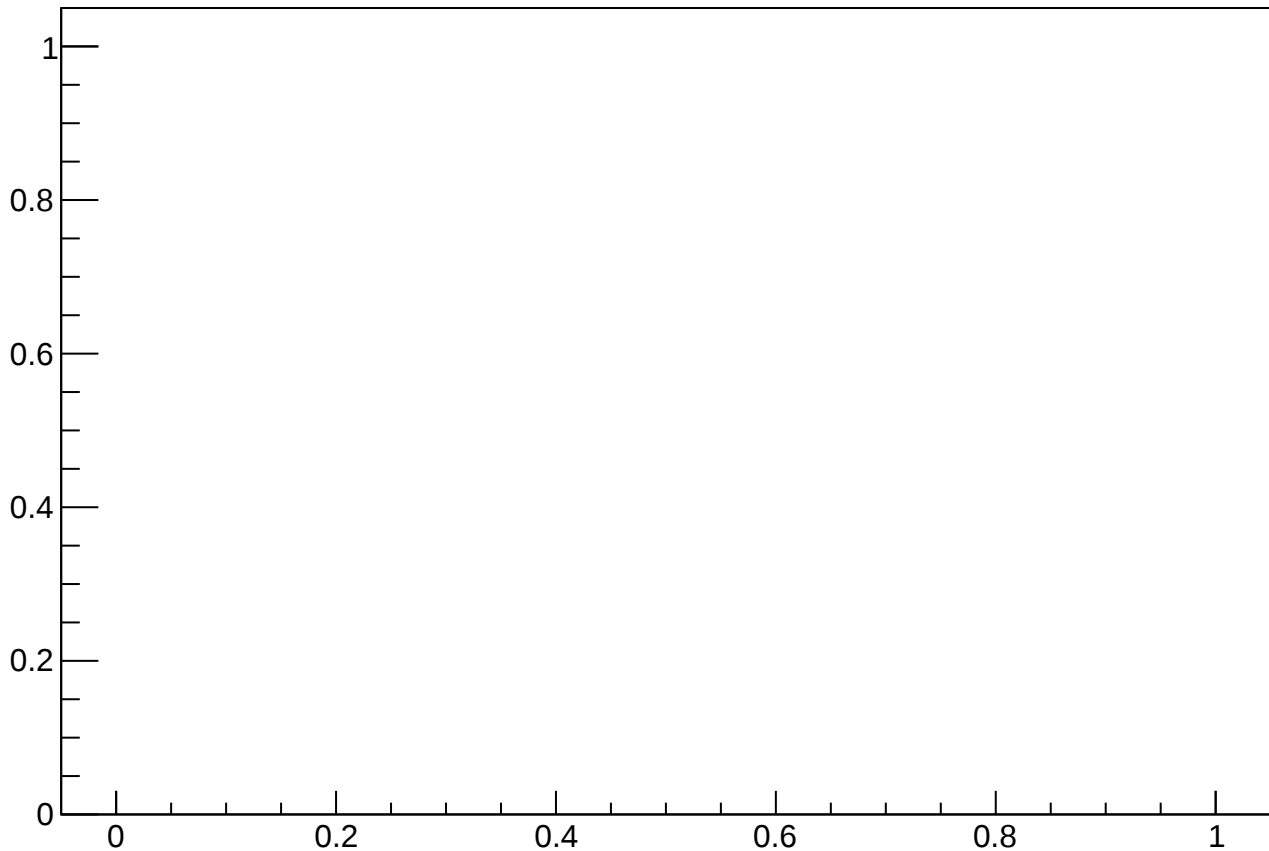
3817.671+/-0.867 χ^2/NDF : 509968.1/21

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

3704.838+/-0.835 χ^2/NDF : 724676.1/23

Left In: 4221.067+/-1.666 χ^2/NDF :35209.4/3

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



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

0.000+/-0.000 χ^2/NDF : 0.0/0

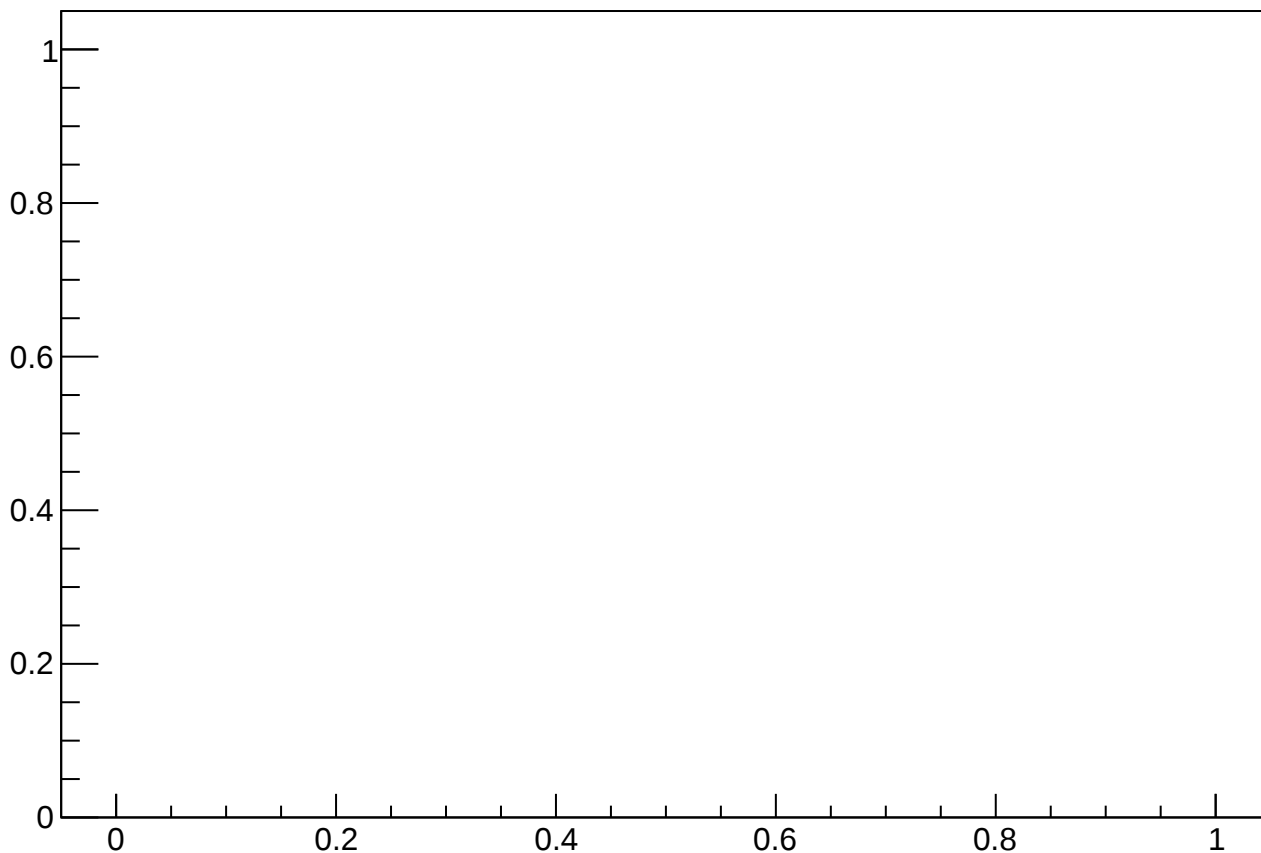
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



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

0.000+/-0.000 χ^2/NDF : 0.0/0

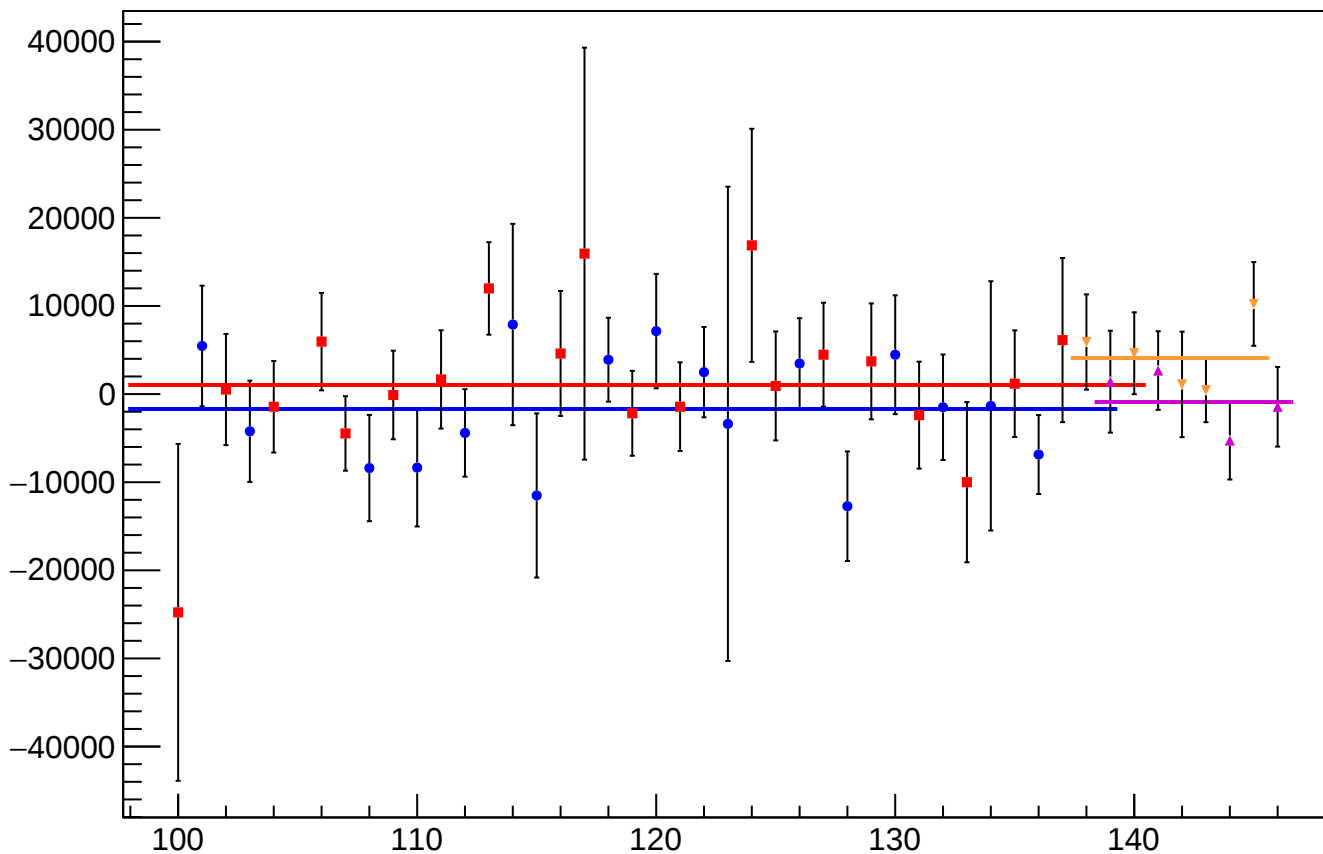
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 4088.146 $\pm$ 2091.620 χ^2 /NDF:3.1/4

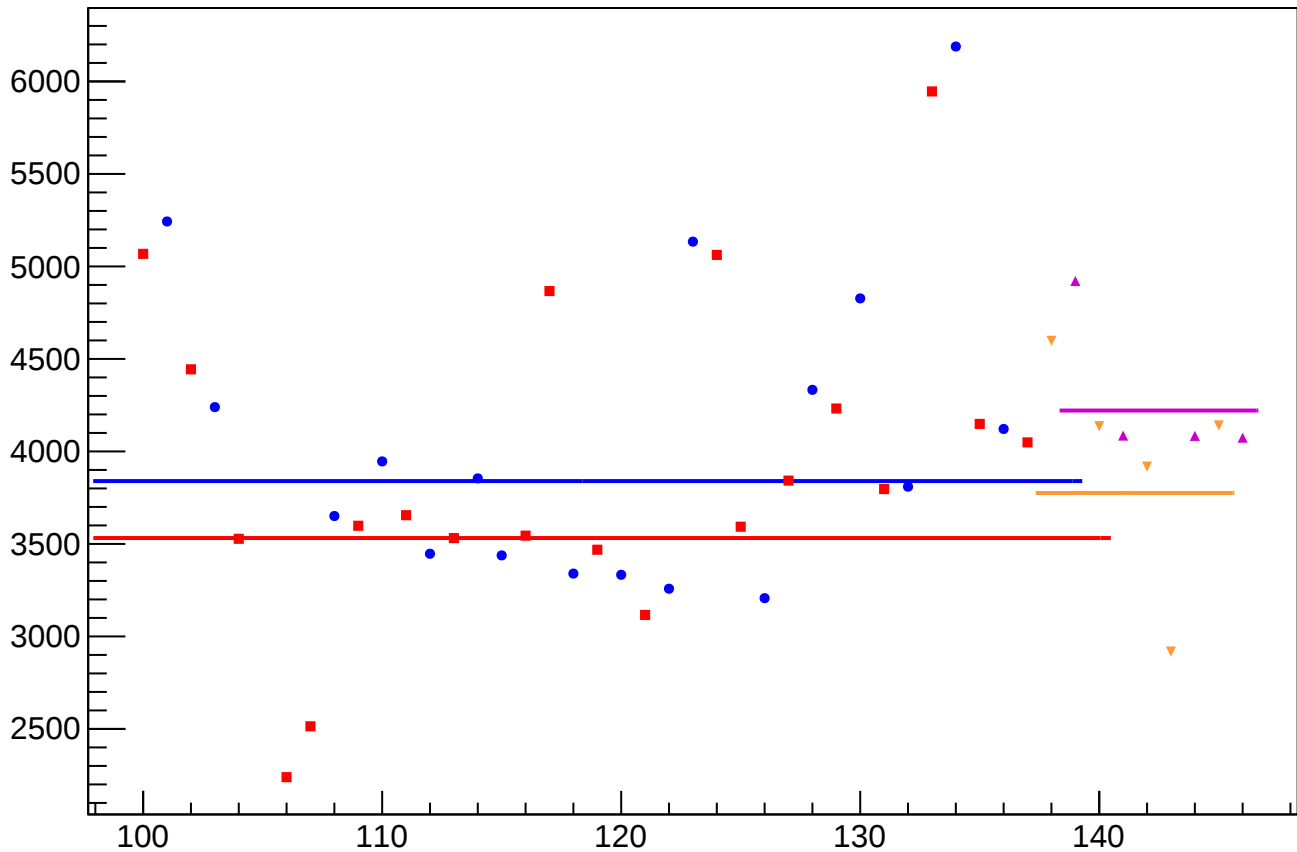
Right Out: 1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

Left In: -901.089 $\pm$ 2356.515 χ^2 /NDF:1.8/3

293.033 $\pm$ 1225.859 χ^2 /NDF: 23.9/21

538.568 $\pm$ 1188.570 χ^2 /NDF: 16.6/23

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3775.467+/-1.479 χ^2/NDF :182768.7/4

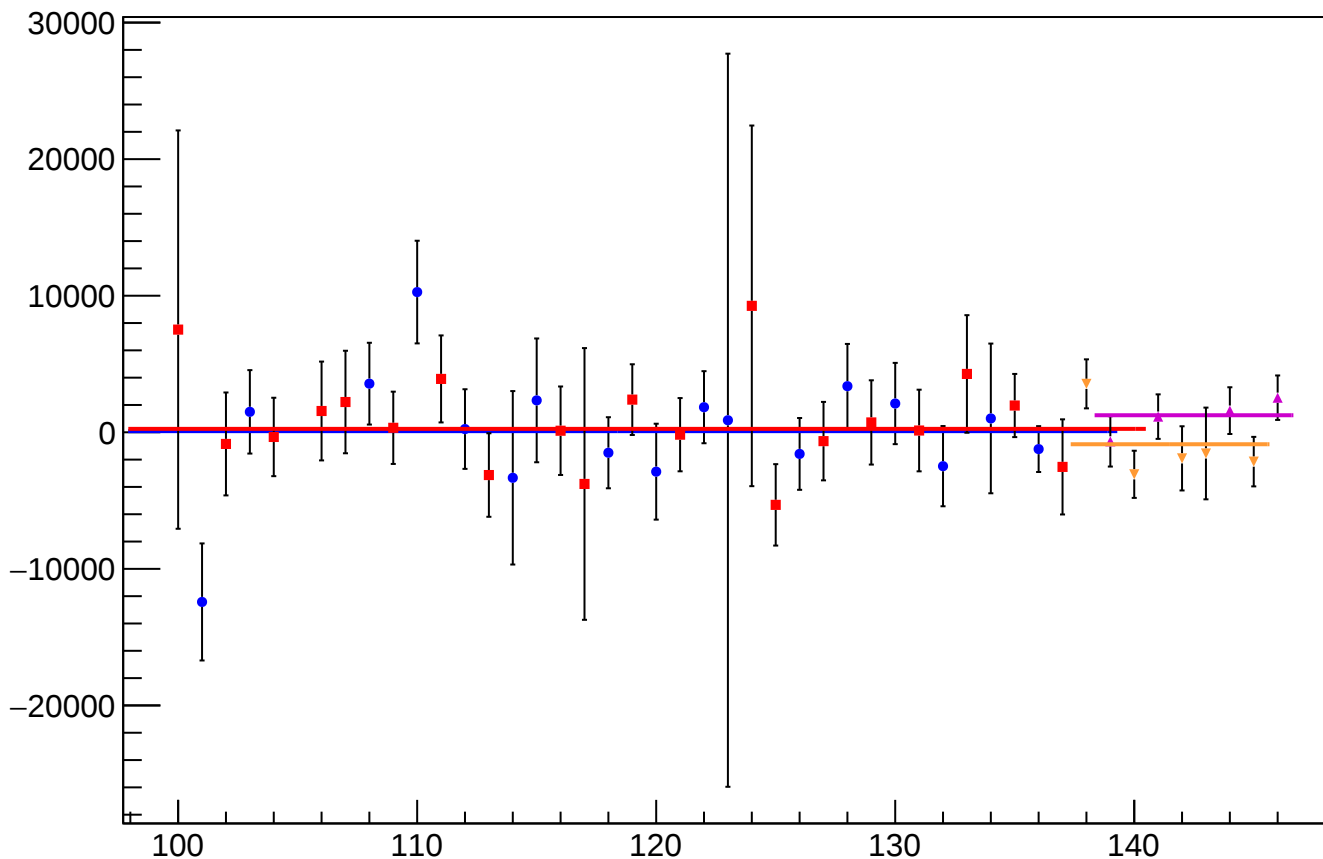
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4221.067+/-1.666 χ^2/NDF :35209.4/3

3817.671+/-0.867 χ^2/NDF : 509968.1/21

3704.838+/-0.835 χ^2/NDF : 724676.1/23

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: -875.559 $\pm$ 905.373 χ^2 /NDF:8.4/4

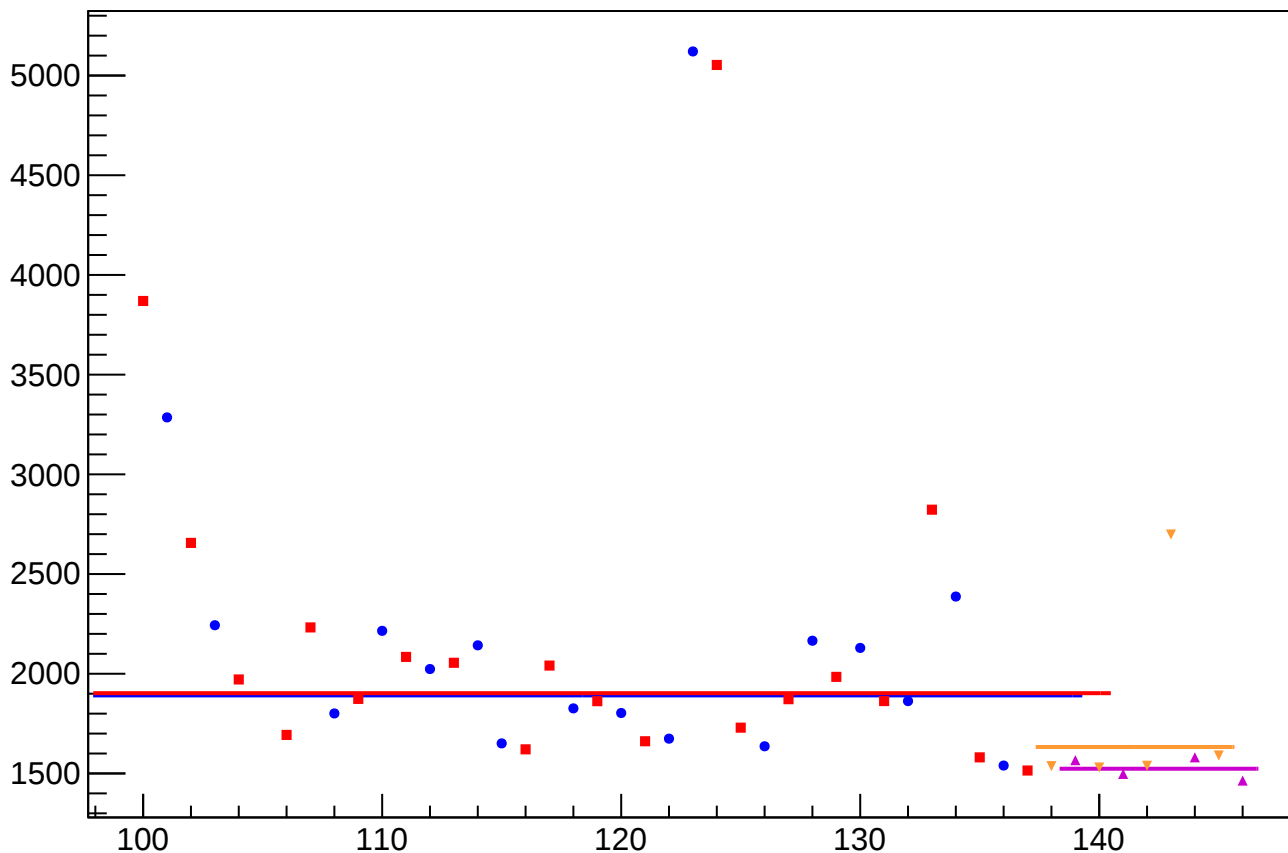
Right Out: 250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

Left In: 1248.357 $\pm$ 848.352 χ^2 /NDF:1.7/3

-306.924 $\pm$ 577.819 χ^2 /NDF: 32.0/21

676.580 $\pm$ 554.264 χ^2 /NDF: 12.9/23

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1632.776+/-0.640 χ^2/NDF : 218544.3/4

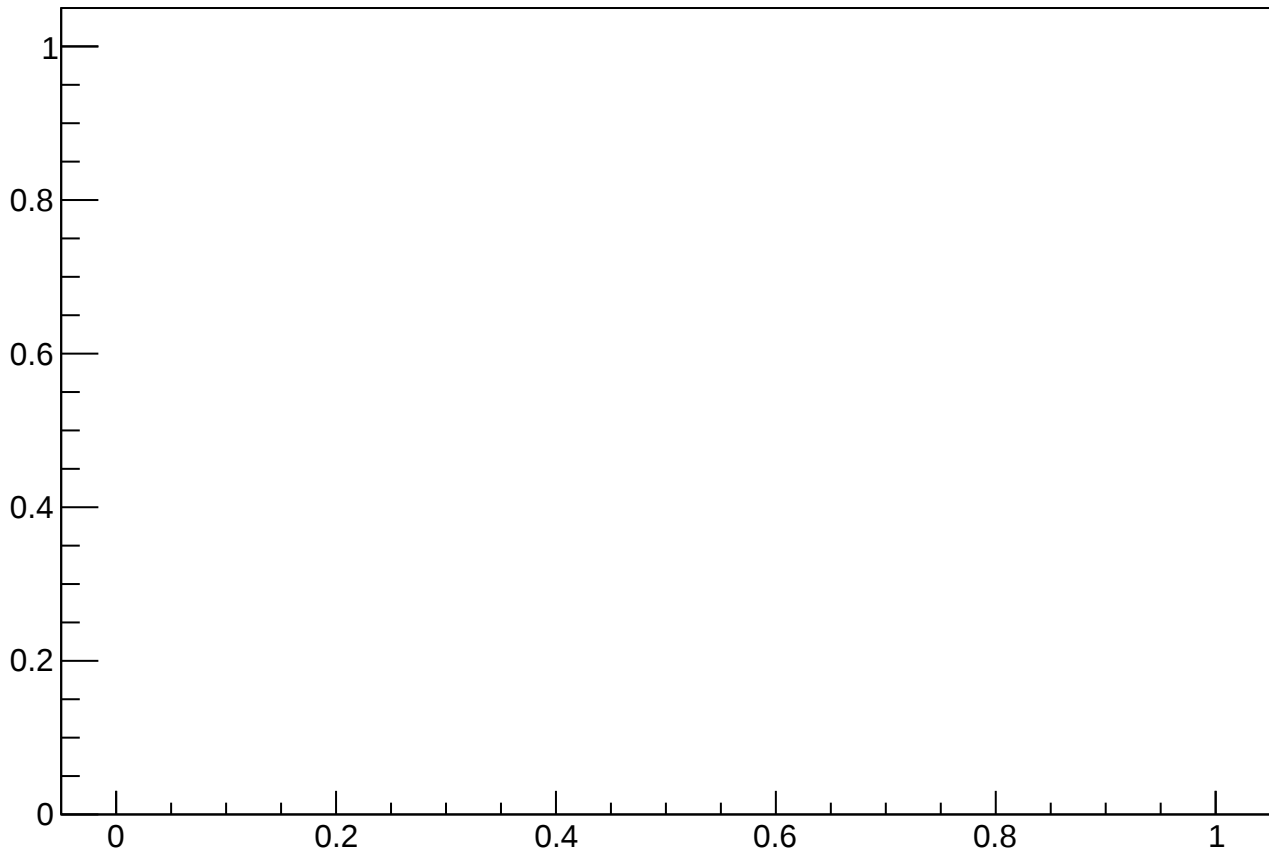
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1523.693+/-0.600 χ^2/NDF : 6487.3/3

1786.115+/-0.409 χ^2/NDF : 779835.8/21

1740.836+/-0.392 χ^2/NDF : 696177.1/23

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



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

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

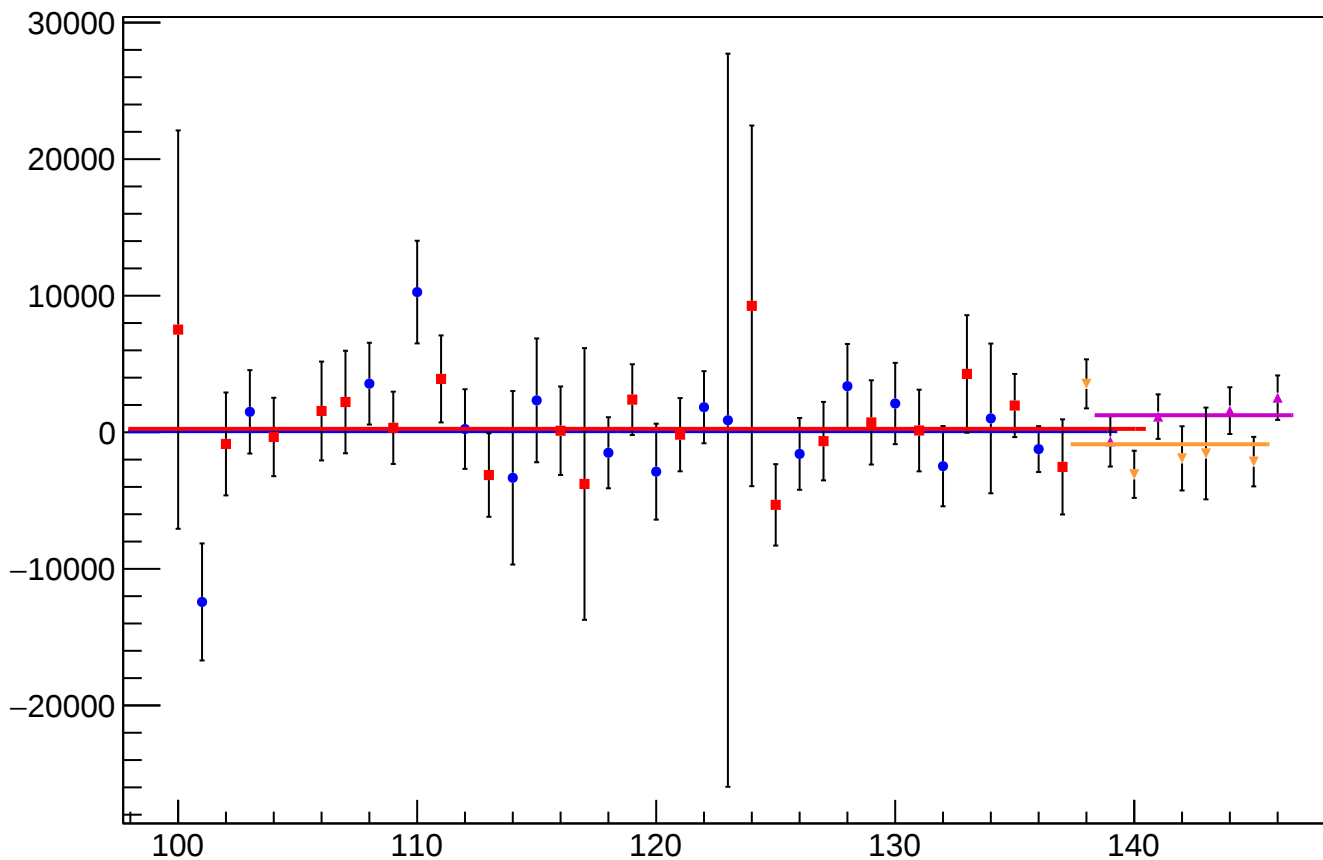
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-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: -875.559 $\pm$ 905.373 χ^2 /NDF:8.4/4

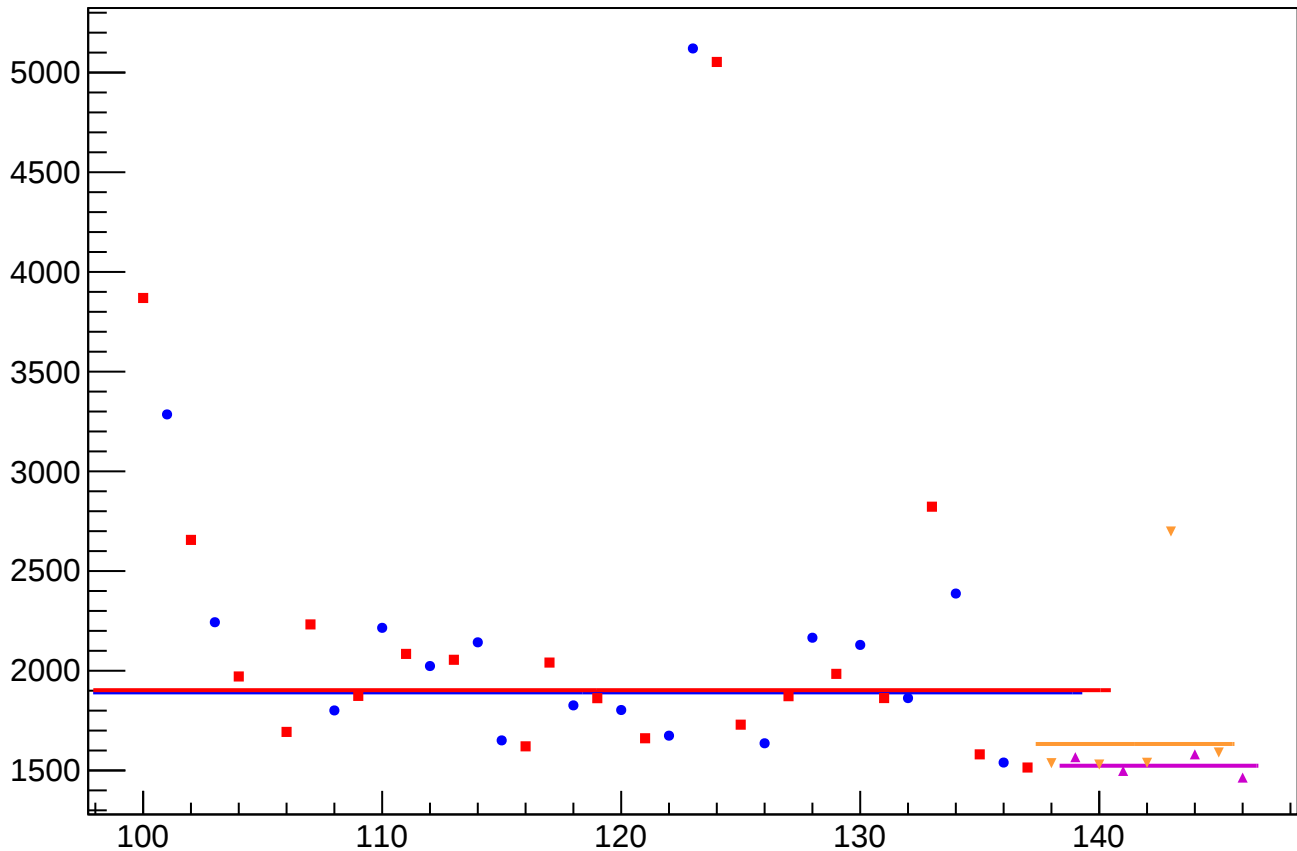
Right Out: 250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

Left In: 1248.357 $\pm$ 848.352 χ^2 /NDF:1.7/3

-306.924 $\pm$ 577.819 χ^2 /NDF: 32.0/21

676.580 $\pm$ 554.264 χ^2 /NDF: 12.9/23

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1632.776+/-0.640 χ^2/NDF : 218544.3/4

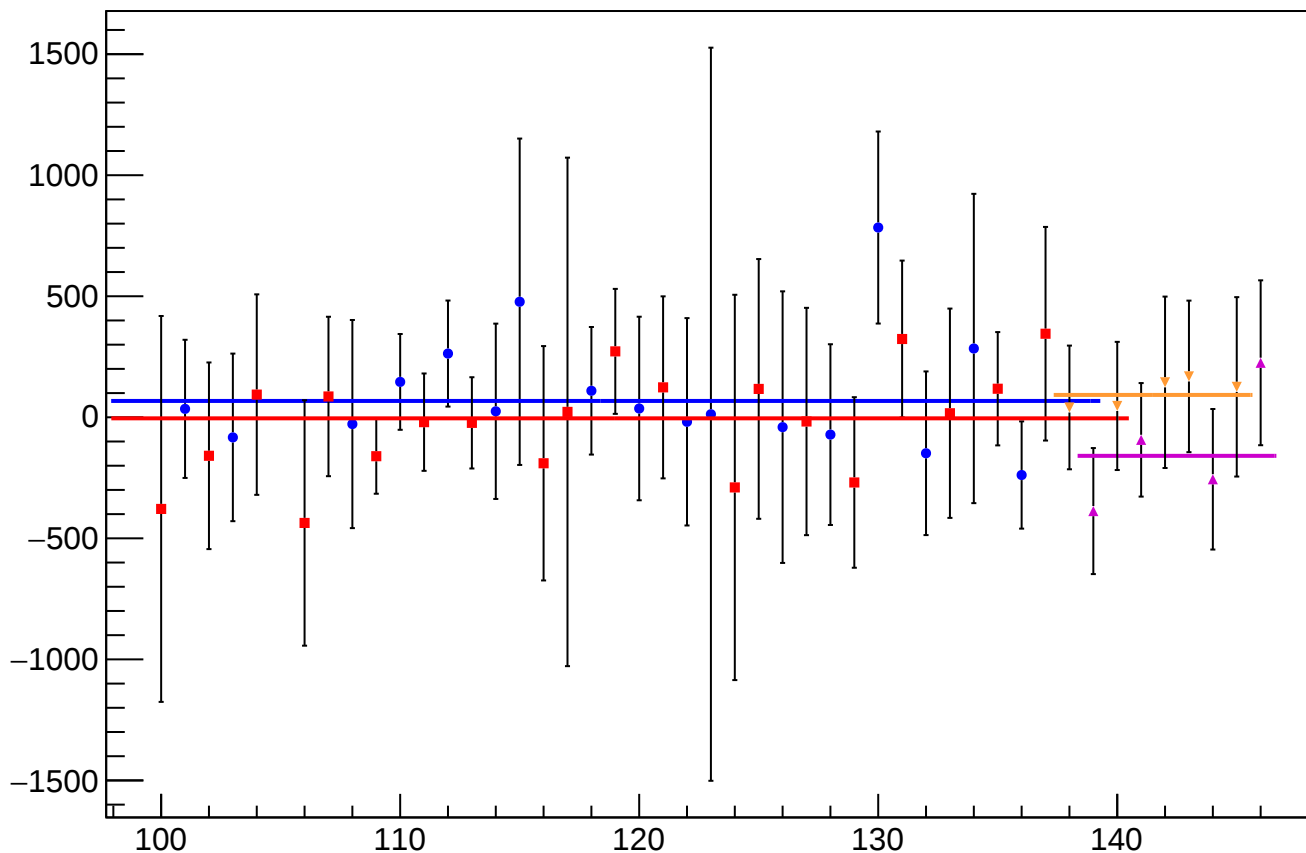
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1523.693+/-0.600 χ^2/NDF : 6487.3/3

1786.115+/-0.409 χ^2/NDF : 779835.8/21

1740.836+/-0.392 χ^2/NDF : 696177.1/23

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: 92.390 $\pm$ 134.767 χ^2/NDF : 0.2/4

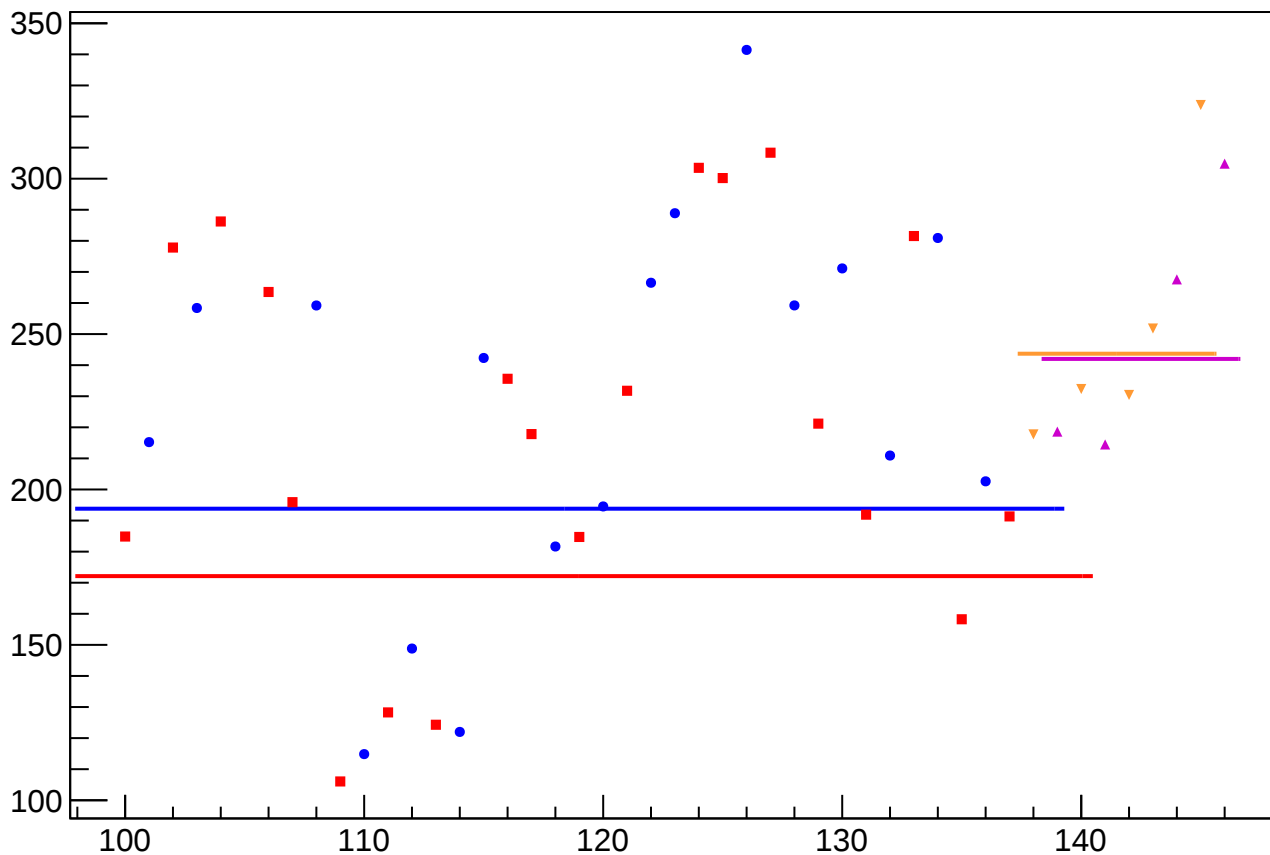
Right Out: -4.305 $\pm$ 69.854 χ^2/NDF : 6.4/19

Left In: -159.209 $\pm$ 136.803 χ^2/NDF : 2.2/3

73.969 $\pm$ 68.543 χ^2/NDF : 7.7/21

-36.340 $\pm$ 62.213 χ^2/NDF : 9.6/23

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815+/-0.056 χ^2/NDF : 1010325.5/16

Left Out: 243.685+/-0.095 χ^2/NDF : 121754.4/4

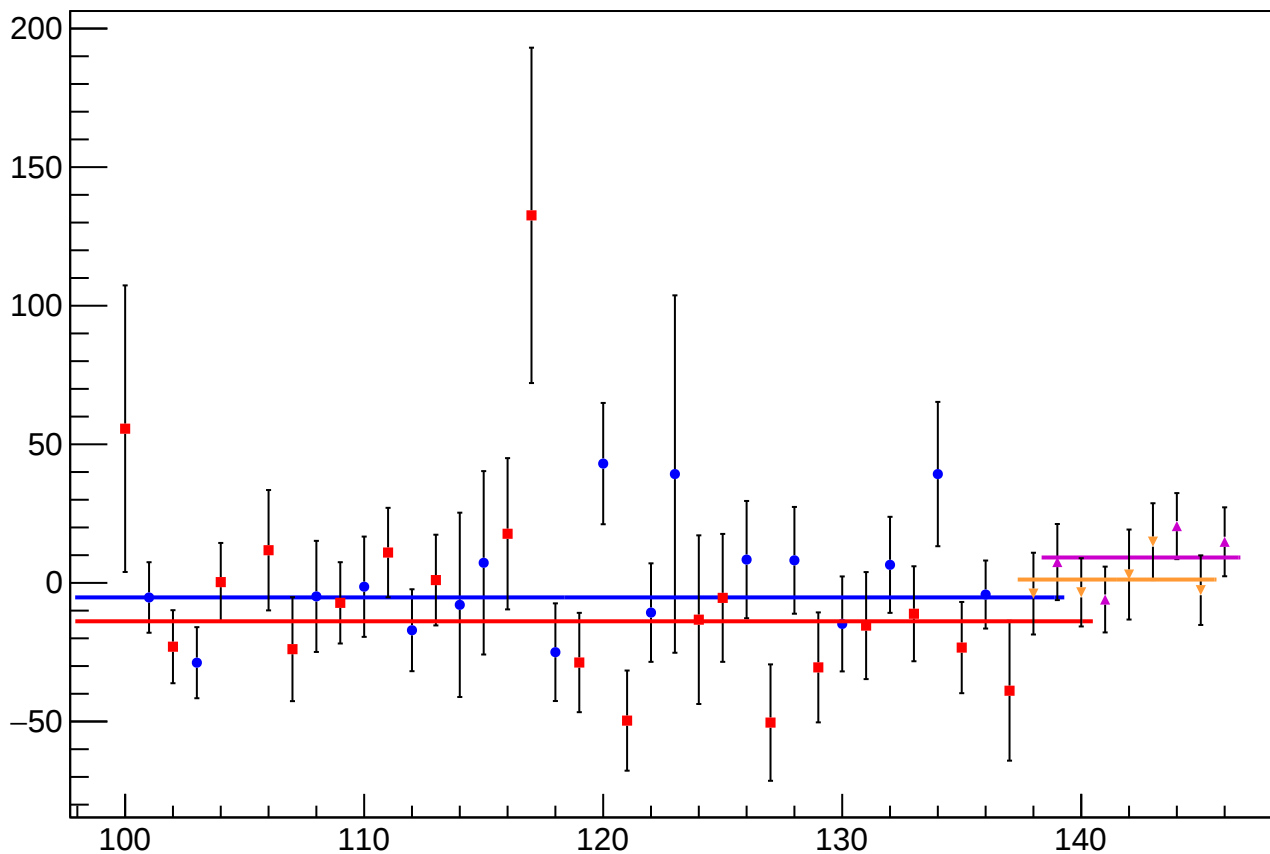
Right Out: 172.123+/-0.049 χ^2/NDF : 1580879.9/19

Left In: 242.007+/-0.097 χ^2/NDF : 127319.0/3

206.715+/-0.048 χ^2/NDF : 1335100.4/21

186.576+/-0.044 χ^2/NDF : 2122165.8/23

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 ± 4.356 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 1.211 ± 6.138 $\chi^2/\text{NDF}: 1.3/4$

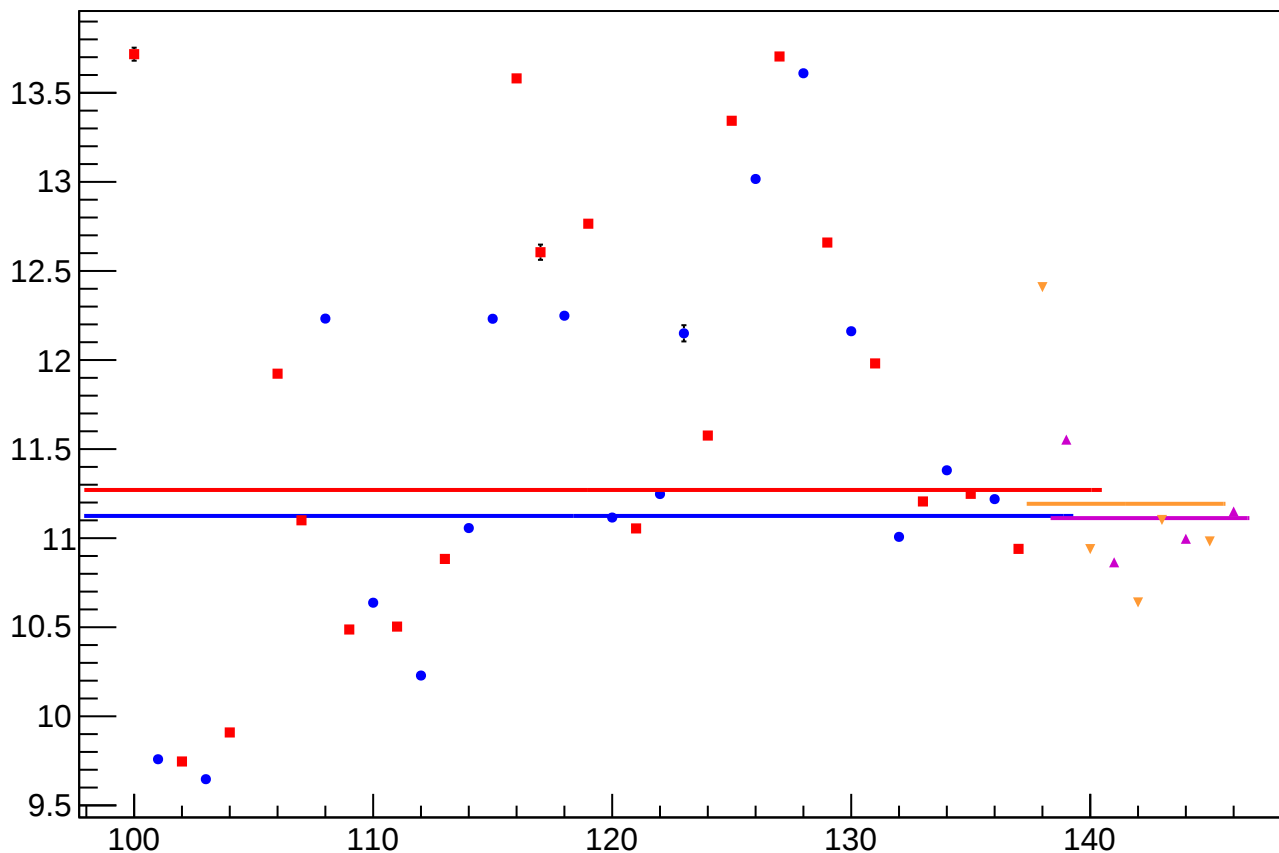
Right Out: -13.851 ± 4.255 $\chi^2/\text{NDF}: 25.4/19$

Left In: 9.167 ± 6.212 $\chi^2/\text{NDF}: 2.8/3$

-3.073 ± 3.552 $\chi^2/\text{NDF}: 17.6/21$

-6.502 ± 3.510 $\chi^2/\text{NDF}: 37.5/23$

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: 11.193 $\pm$ 0.004 χ^2 /NDF:17431.5/4

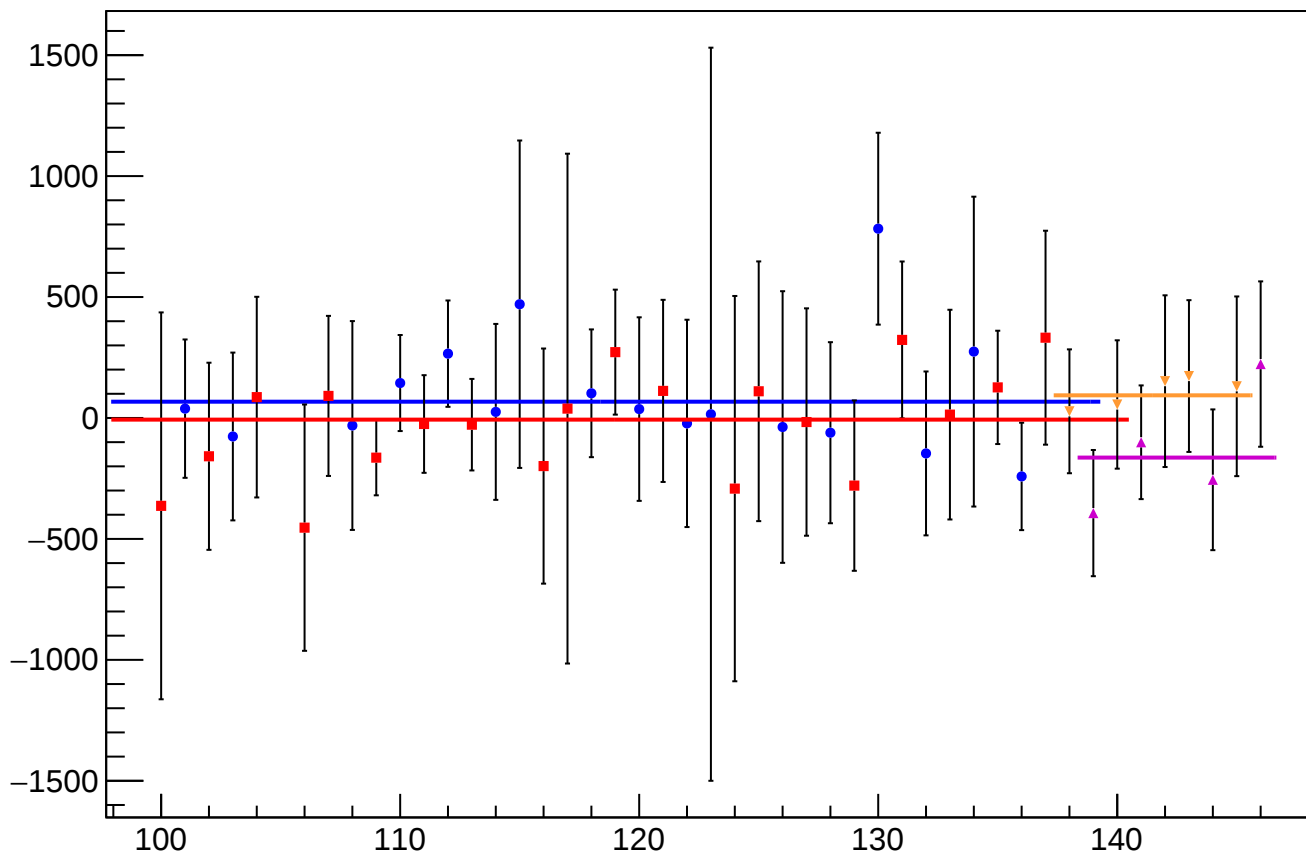
Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

Left In: 11.113 $\pm$ 0.004 χ^2 /NDF:3140.7/3

11.148 $\pm$ 0.003 χ^2 /NDF: 150115.4/21

11.220 $\pm$ 0.002 χ^2 /NDF: 152732.5/23

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 93.634+/-135.089 χ^2/NDF : 0.2/4

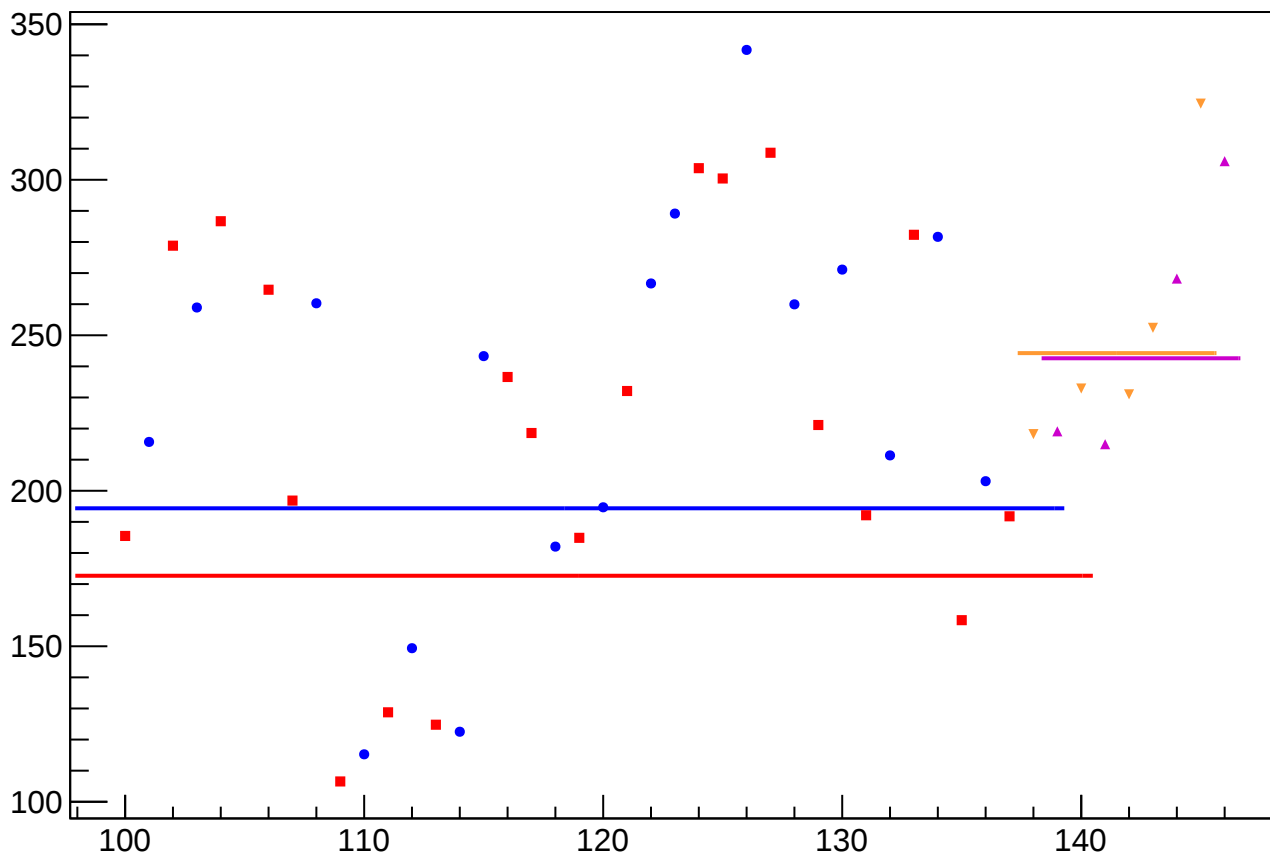
Right Out: -6.837+/-70.057 χ^2/NDF : 6.4/19

Left In: -163.772+/-137.151 χ^2/NDF : 2.2/3

74.118+/-68.719 χ^2/NDF : 7.7/21

-39.311+/-62.389 χ^2/NDF : 9.7/23

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365+/-0.056 χ^2/NDF : 1005234.4/16

Left Out: 244.266+/-0.096 χ^2/NDF :121800.6/4

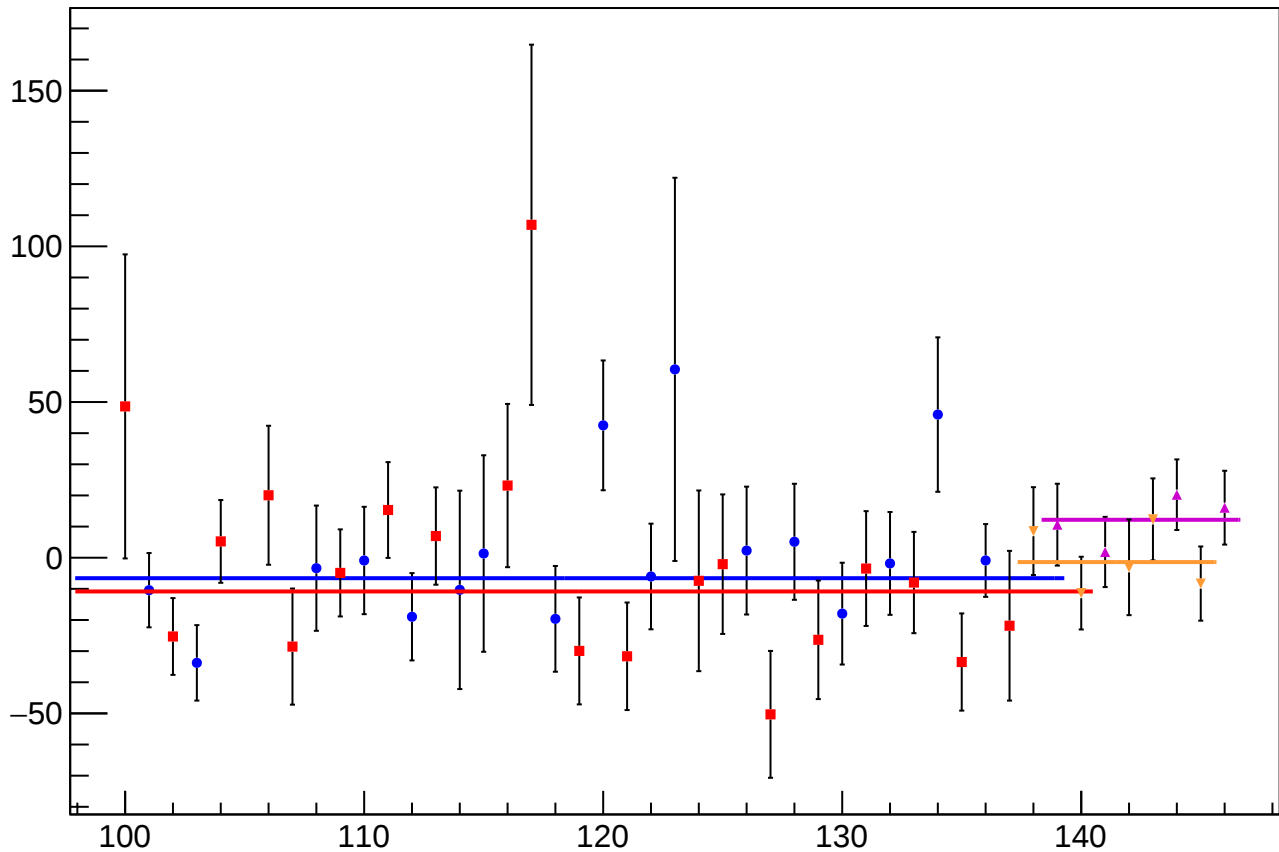
Right Out: 172.675+/-0.050 χ^2/NDF : 1573459.1/19

Left In: 242.605+/-0.097 χ^2/NDF :128122.7/3

207.278+/-0.049 χ^2/NDF : 1329314.4/21

187.145+/-0.044 χ^2/NDF : 2113930.9/23

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 $\pm$ 4.157 χ^2/NDF : 19.3/16

Left Out: -1.402 $\pm$ 5.832 χ^2/NDF : 2.7/4

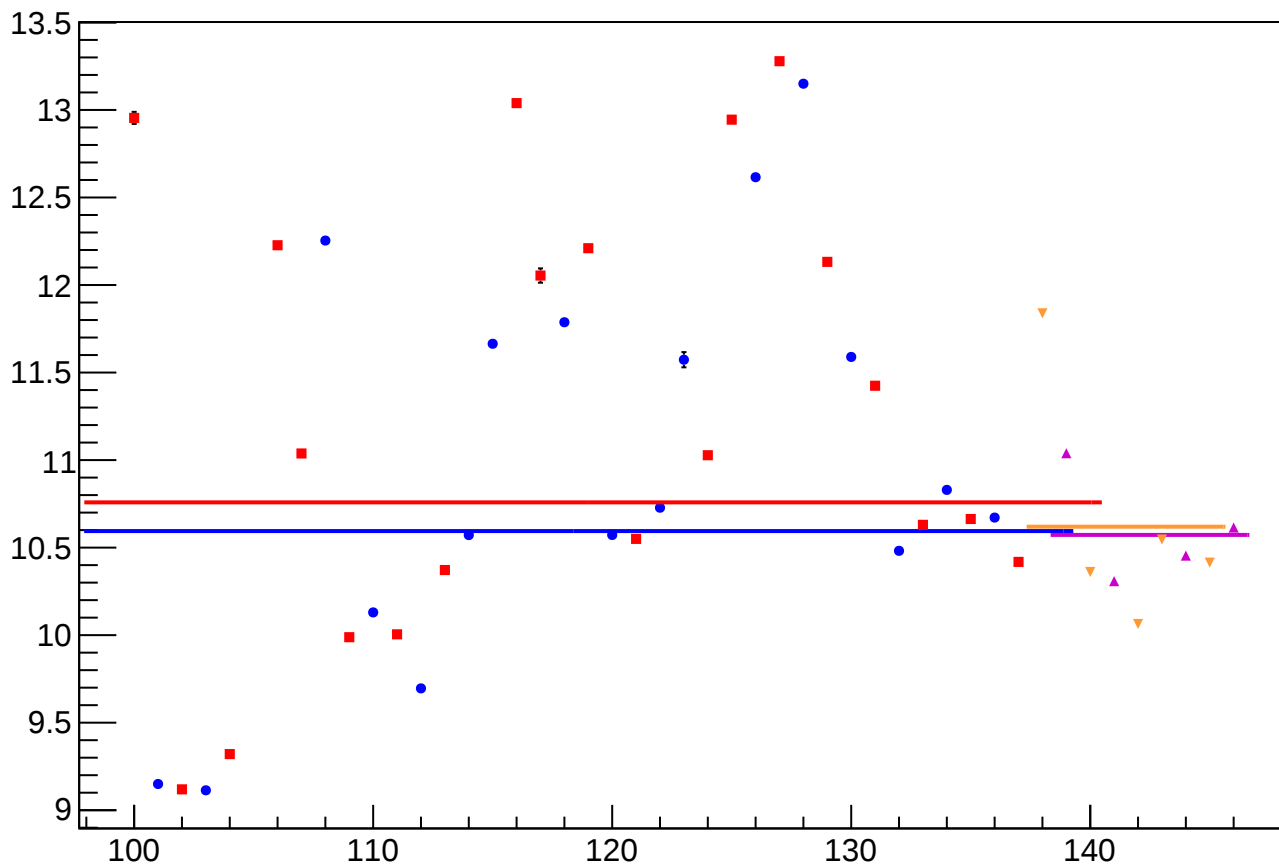
Right Out: -10.838 $\pm$ 4.070 χ^2/NDF : 27.1/19

Left In: 12.180 $\pm$ 5.918 χ^2/NDF : 1.5/3

-4.833 $\pm$ 3.385 χ^2/NDF : 22.5/21

-3.447 $\pm$ 3.353 χ^2/NDF : 38.9/23

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: 10.620 $\pm$ 0.004 χ^2 /NDF:19170.4/4

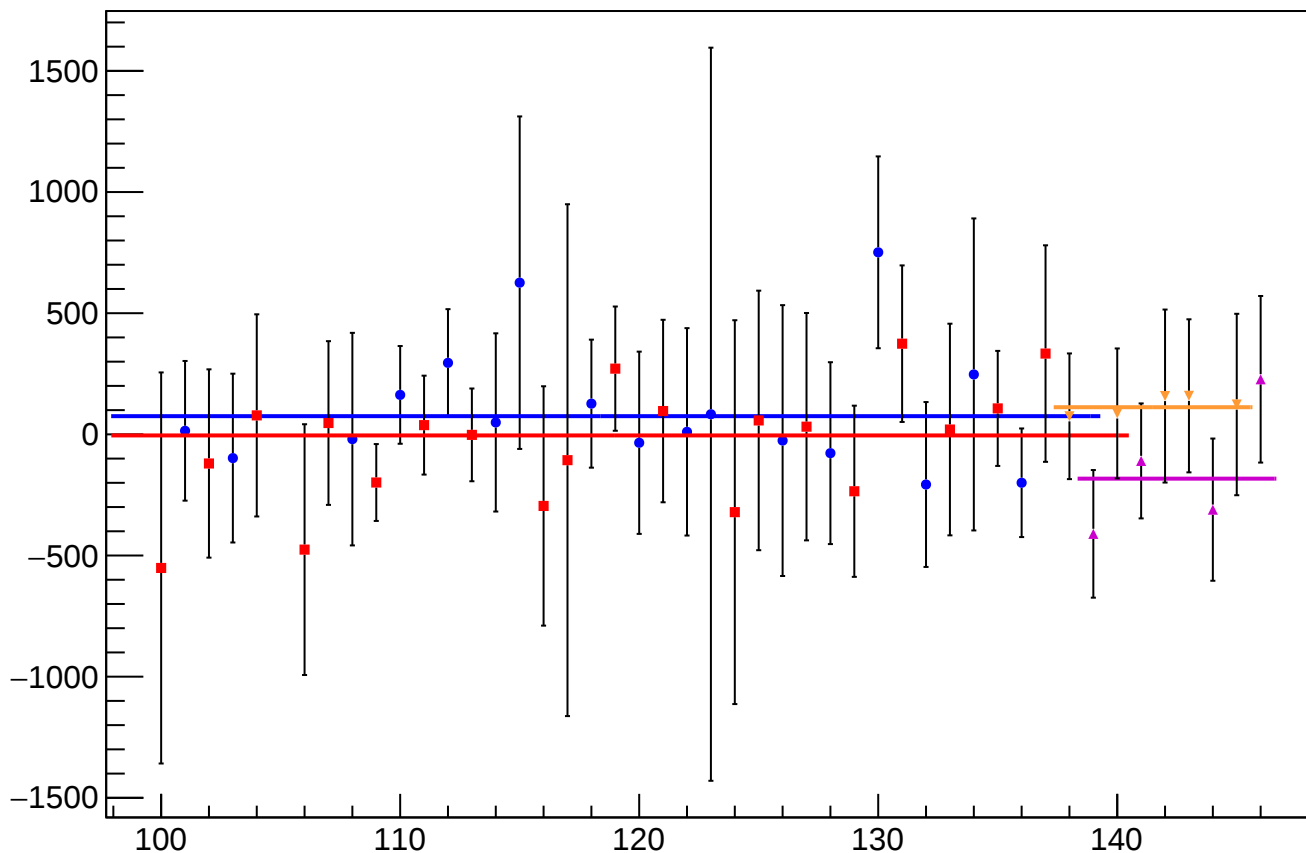
Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 178180.9/19

Left In: 10.573 $\pm$ 0.004 χ^2 /NDF:3860.9/3

10.603 $\pm$ 0.002 χ^2 /NDF: 179254.0/21

10.699 $\pm$ 0.002 χ^2 /NDF: 183381.8/23

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: 112.001+/-136.357 χ^2/NDF : 0.1/4

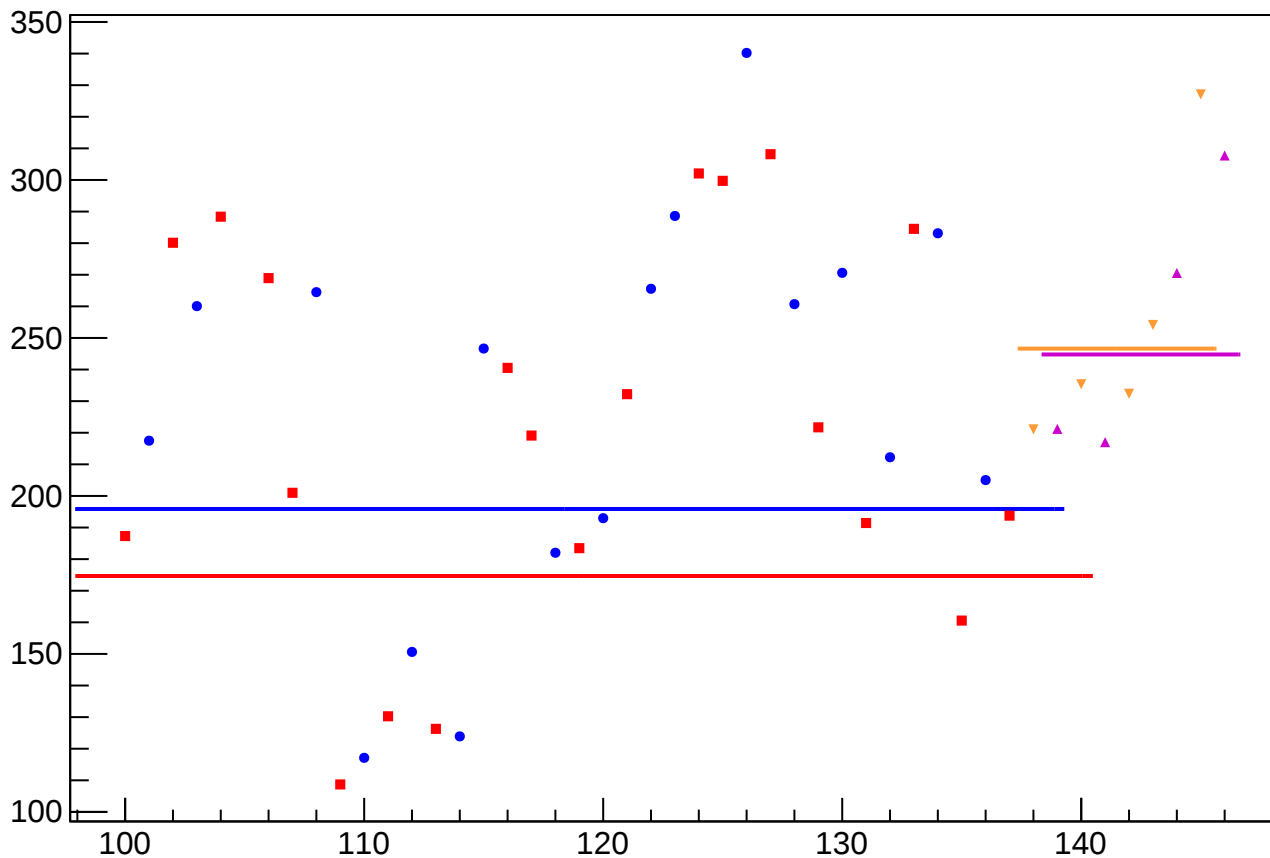
Right Out: -4.459+/-70.724 χ^2/NDF : 7.3/19

Left In: -182.796+/-138.333 χ^2/NDF : 2.5/3

84.601+/-69.226 χ^2/NDF : 7.8/21

-41.414+/-62.971 χ^2/NDF : 11.1/23

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: 246.624 $\pm$ 0.096 χ^2/NDF :119667.6/4

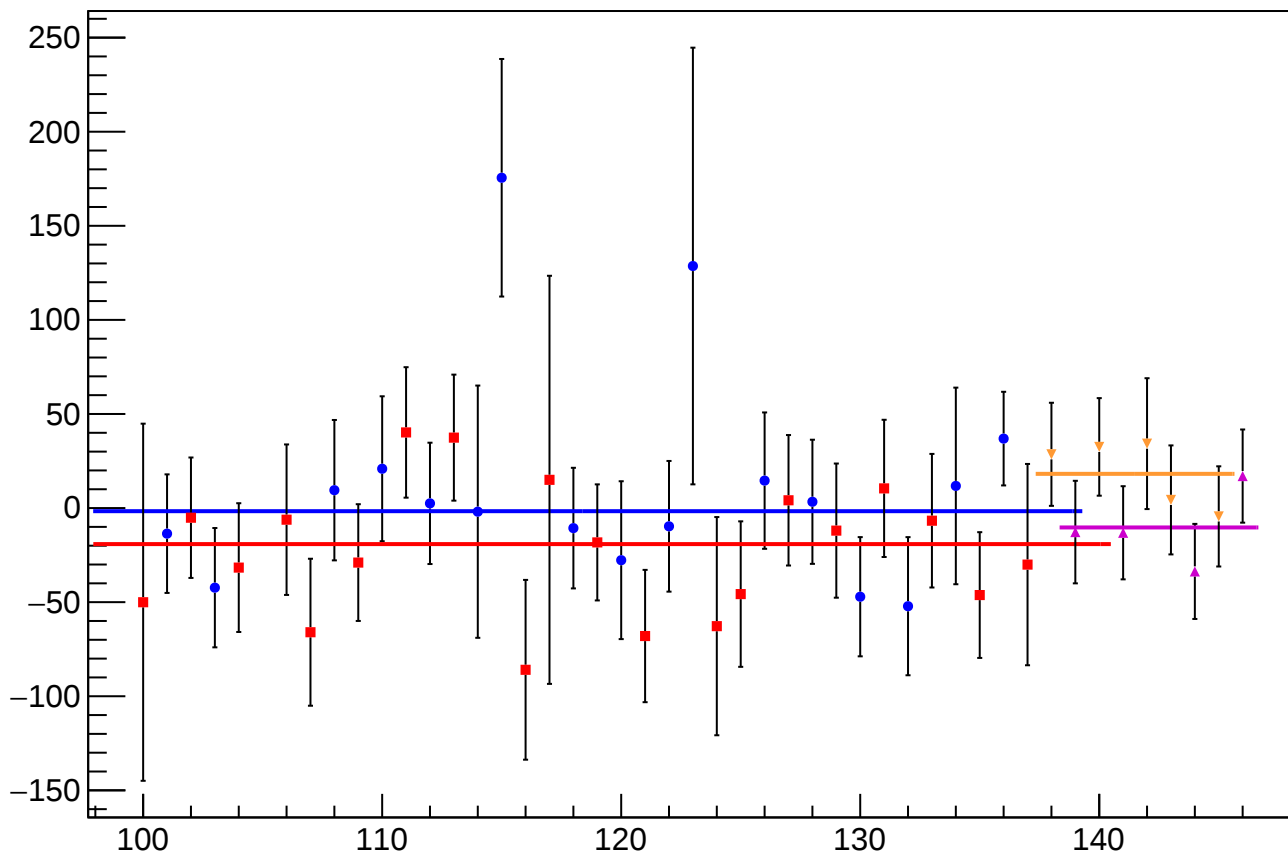
Right Out: 174.665 $\pm$ 0.050 χ^2/NDF : 1532335.9/19

Left In: 244.772 $\pm$ 0.098 χ^2/NDF :125921.9/3

208.951 $\pm$ 0.049 χ^2/NDF : 1304595.7/21

189.193 $\pm$ 0.045 χ^2/NDF : 2065497.3/23

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 $\chi^2/\text{NDF}: 18.5/16$

Left Out: 18.185 ± 12.648 $\chi^2/\text{NDF}: 1.6/4$

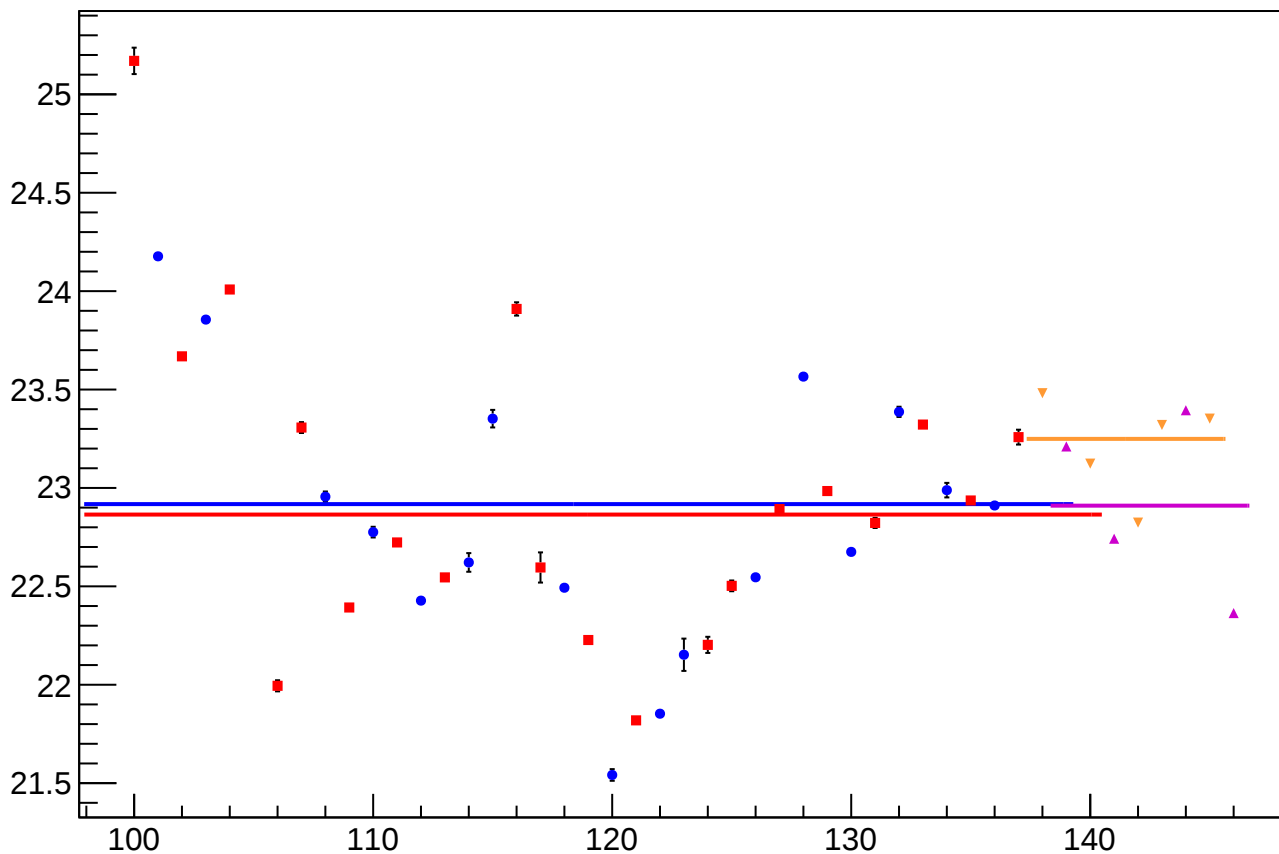
Right Out: -19.145 ± 8.529 $\chi^2/\text{NDF}: 14.9/19$

Left In: -10.303 ± 12.722 $\chi^2/\text{NDF}: 2.1/3$

4.897 ± 7.268 $\chi^2/\text{NDF}: 21.8/21$

-16.403 ± 7.084 $\chi^2/\text{NDF}: 17.3/23$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 23.249 $\pm$ 0.009 χ^2 /NDF: 532.0/4

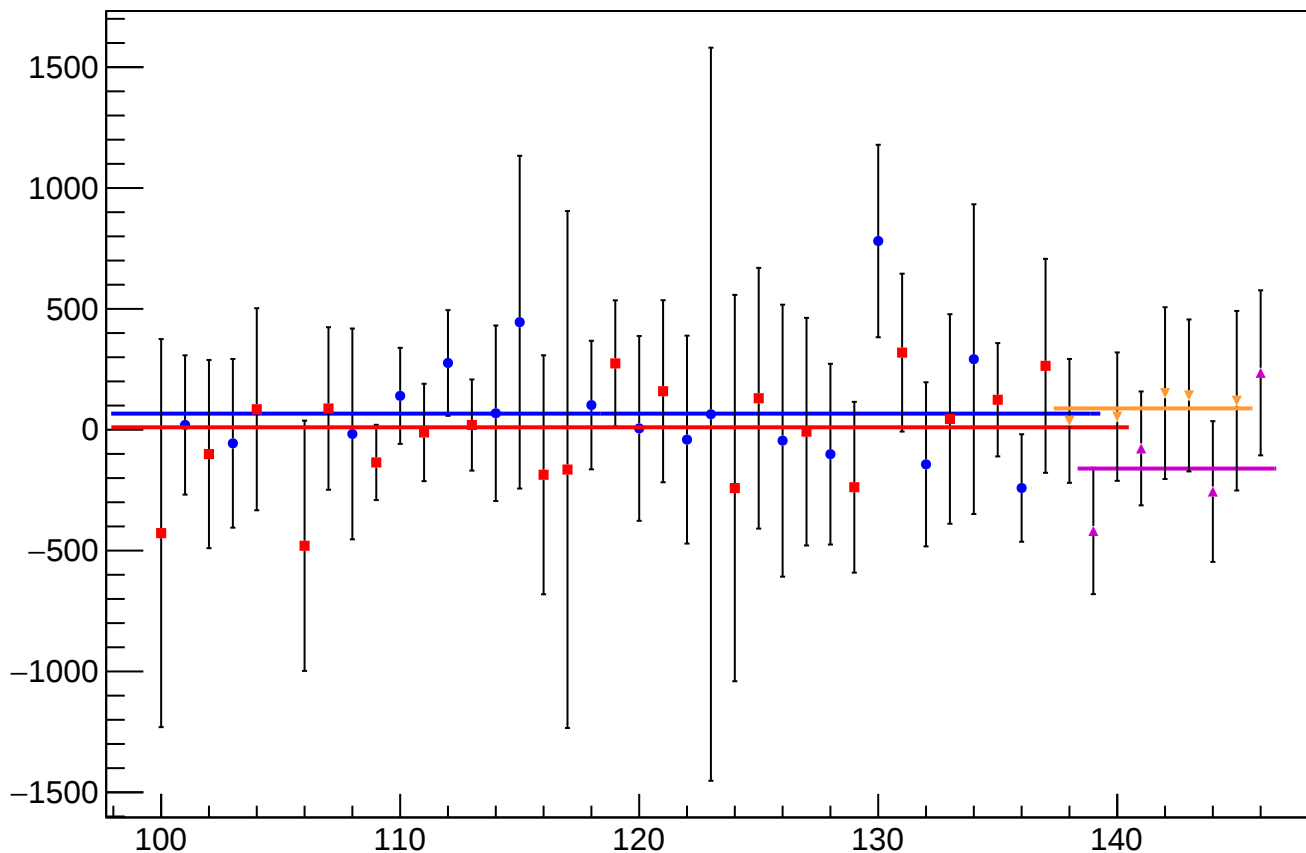
Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11064.9/19

Left In: 22.910 $\pm$ 0.009 χ^2 /NDF: 2044.8/3

23.027 $\pm$ 0.005 χ^2 /NDF: 12924.0/21

22.879 $\pm$ 0.005 χ^2 /NDF: 13127.2/23

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: 88.365 $\pm$ 135.200 χ^2 /NDF:0.1/4

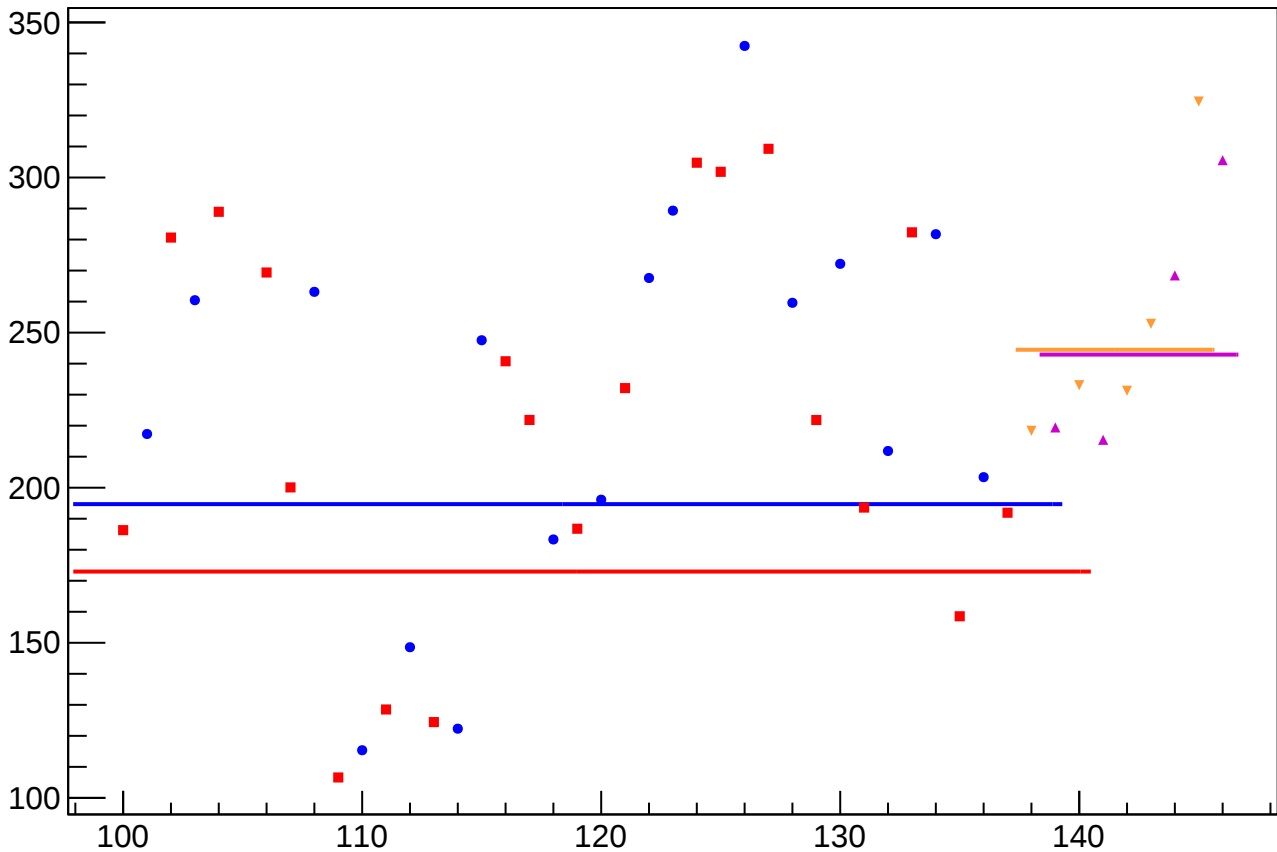
Right Out: 10.113 $\pm$ 70.234 χ^2 /NDF: 5.7/19

Left In: -160.605 $\pm$ 137.296 χ^2 /NDF:2.6/3

72.318 $\pm$ 68.847 χ^2 /NDF: 7.7/21

-25.296 $\pm$ 62.528 χ^2 /NDF: 9.5/23

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: 244.474+/-0.096 χ^2/NDF :121515.5/4

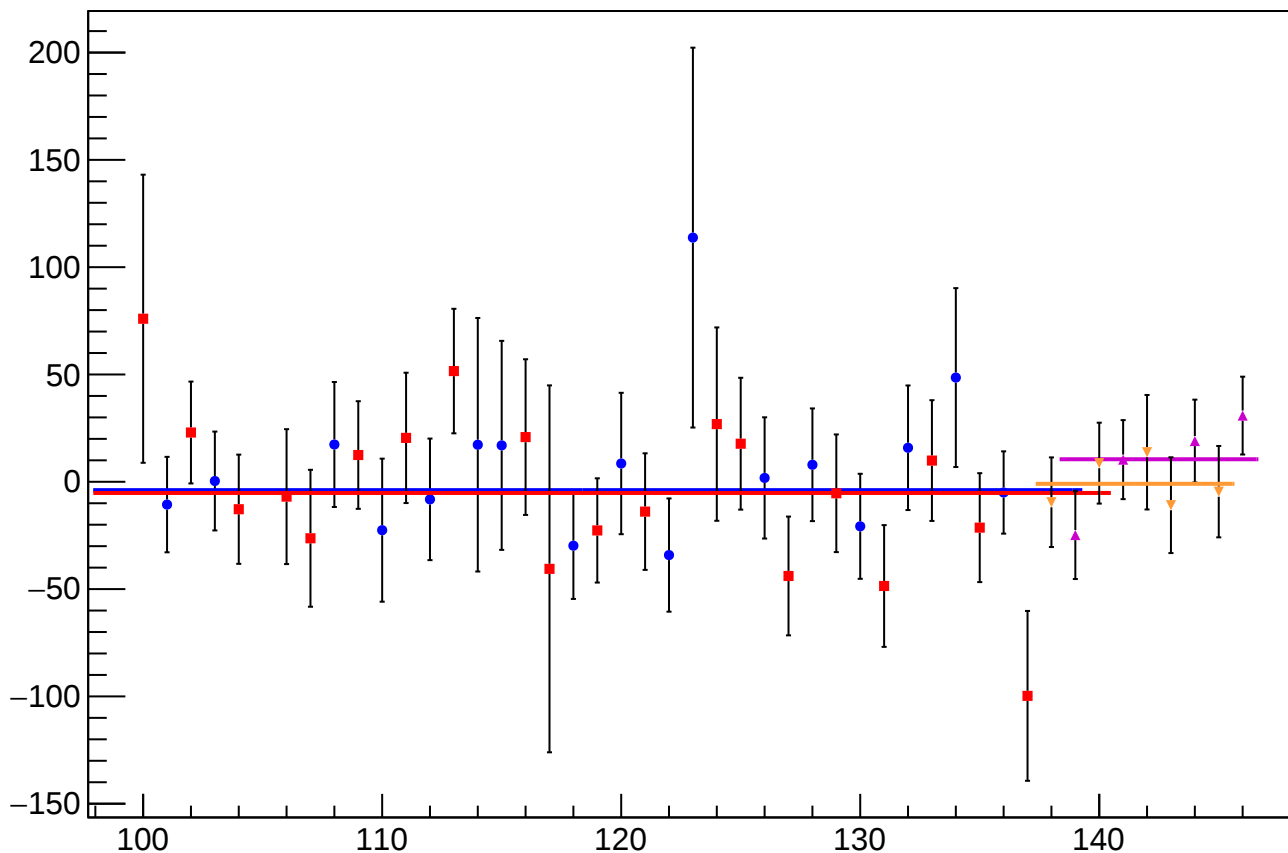
Right Out: 172.965+/-0.050 χ^2/NDF : 1601142.0/19

Left In: 242.910+/-0.097 χ^2/NDF :126158.3/3

207.609+/-0.049 χ^2/NDF : 1342146.7/21

187.473+/-0.044 χ^2/NDF : 2138713.7/23

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 $\chi^2/\text{NDF}: 8.4/16$

Left Out: -0.938 ± 9.655 $\chi^2/\text{NDF}: 1.0/4$

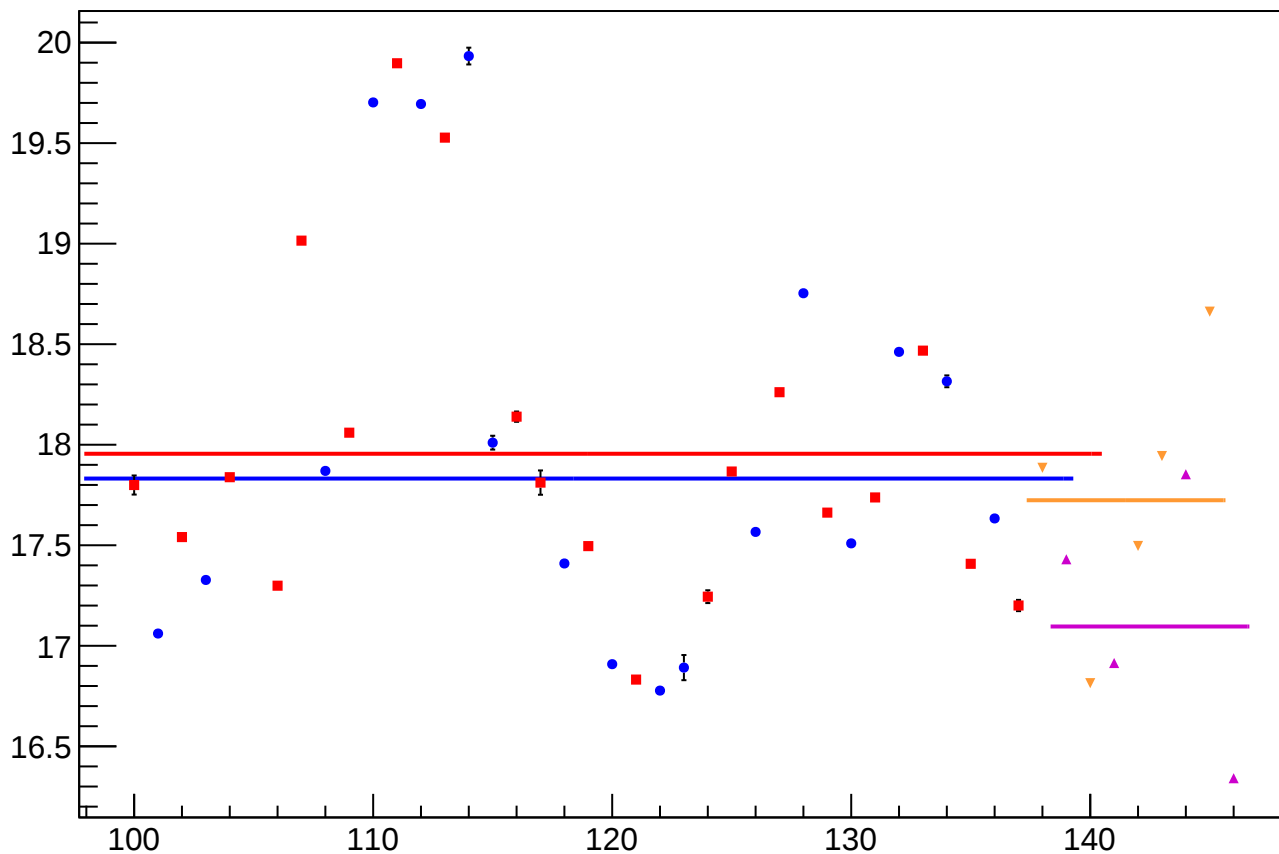
Right Out: -5.204 ± 6.706 $\chi^2/\text{NDF}: 21.5/19$

Left In: 10.497 ± 9.508 $\chi^2/\text{NDF}: 4.4/3$

-2.892 ± 5.622 $\chi^2/\text{NDF}: 9.4/21$

0.012 ± 5.480 $\chi^2/\text{NDF}: 27.8/23$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 ± 0.005 χ^2/NDF : 30863.4/16

Left Out: 17.724 ± 0.007 χ^2/NDF : 9001.2/4

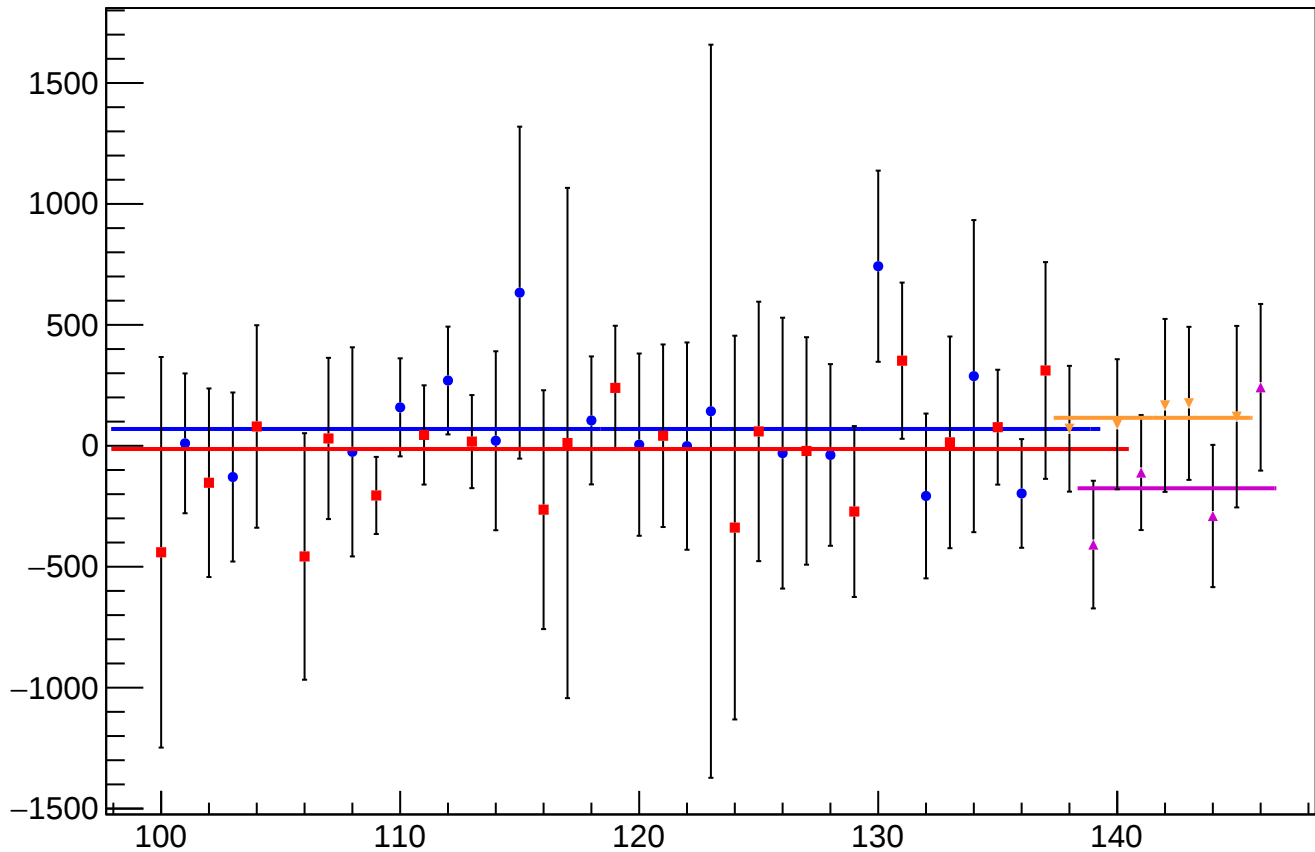
Right Out: 17.955 ± 0.005 χ^2/NDF : 25454.6/19

Left In: 17.096 ± 0.007 χ^2/NDF : 7272.9/3

17.795 ± 0.004 χ^2/NDF : 40029.6/21

17.670 ± 0.004 χ^2/NDF : 43631.2/23

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 115.648+/-136.665 χ^2/NDF : 0.1/4

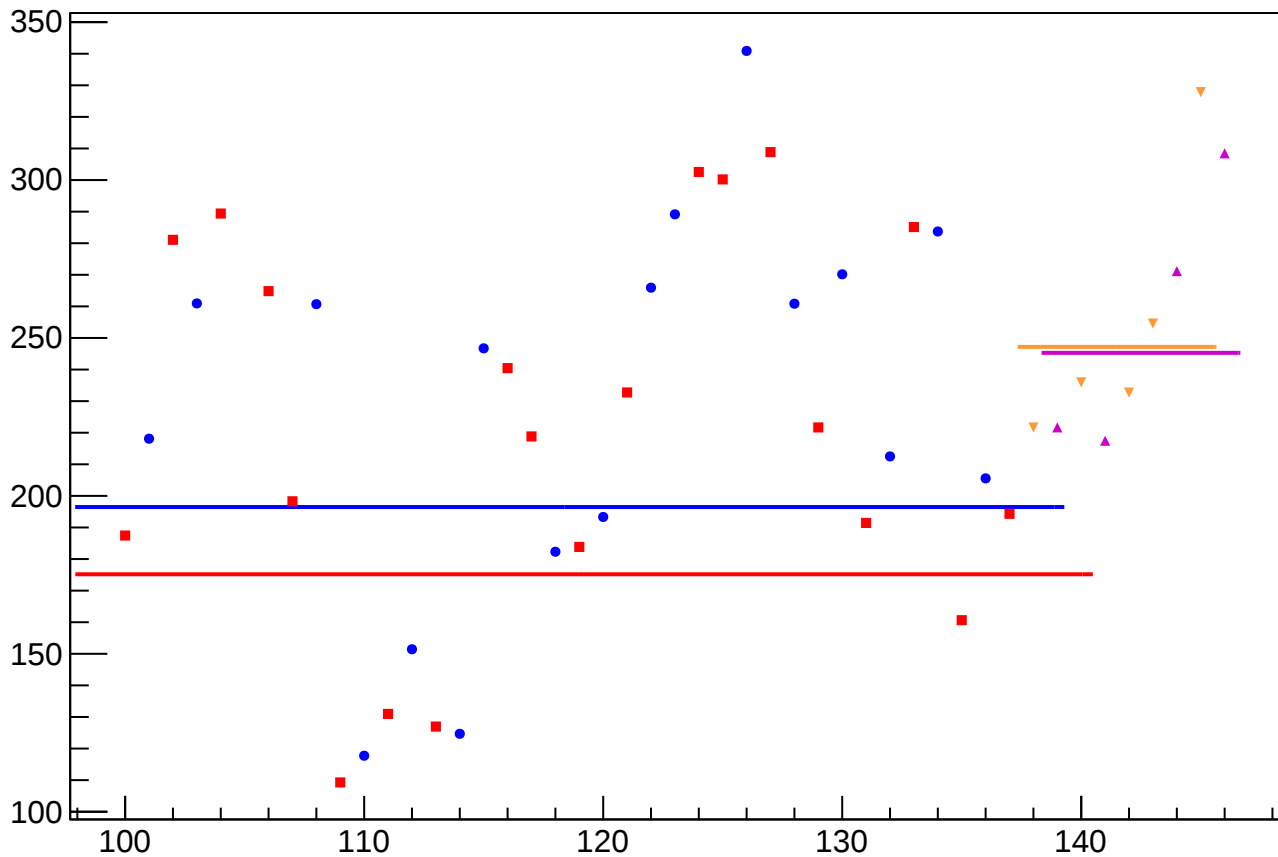
Right Out: -13.298+/-70.881 χ^2/NDF : 6.7/19

Left In: -175.635+/-138.629 χ^2/NDF : 2.5/3

81.406+/-69.394 χ^2/NDF : 7.6/21

-46.941+/-63.110 χ^2/NDF : 10.3/23

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: 247.184 $\pm$ 0.097 χ^2 /NDF:119543.3/4

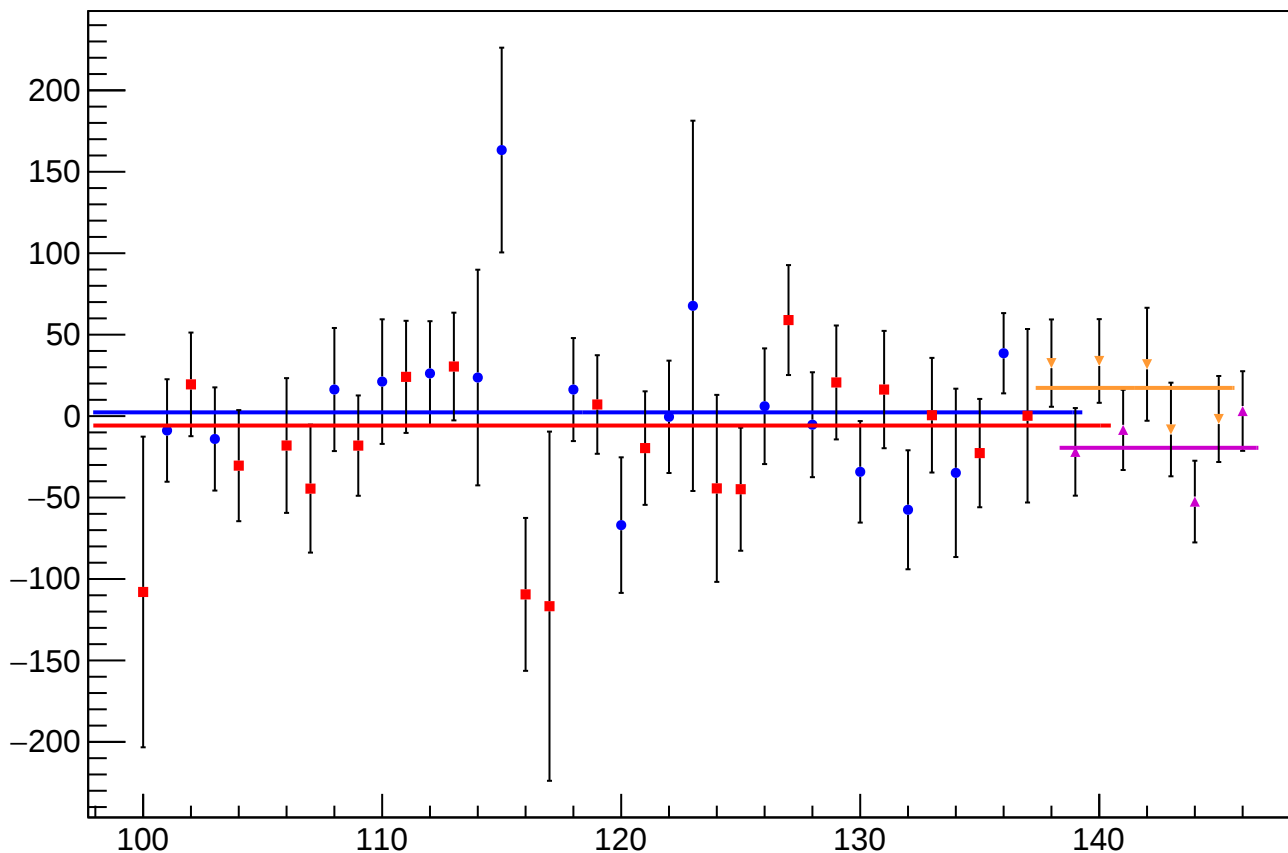
209.546 $\pm$ 0.049 χ^2 /NDF: 1288222.7/21

Right Out: 175.179 $\pm$ 0.050 χ^2 /NDF: 1514541.6/19

189.710 $\pm$ 0.045 χ^2 /NDF: 2046234.0/23

Left In: 245.294 $\pm$ 0.098 χ^2 /NDF:126113.4/3

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 χ^2/NDF : 18.1/16

Left Out: 17.317 ± 12.517 χ^2/NDF : 2.2/4

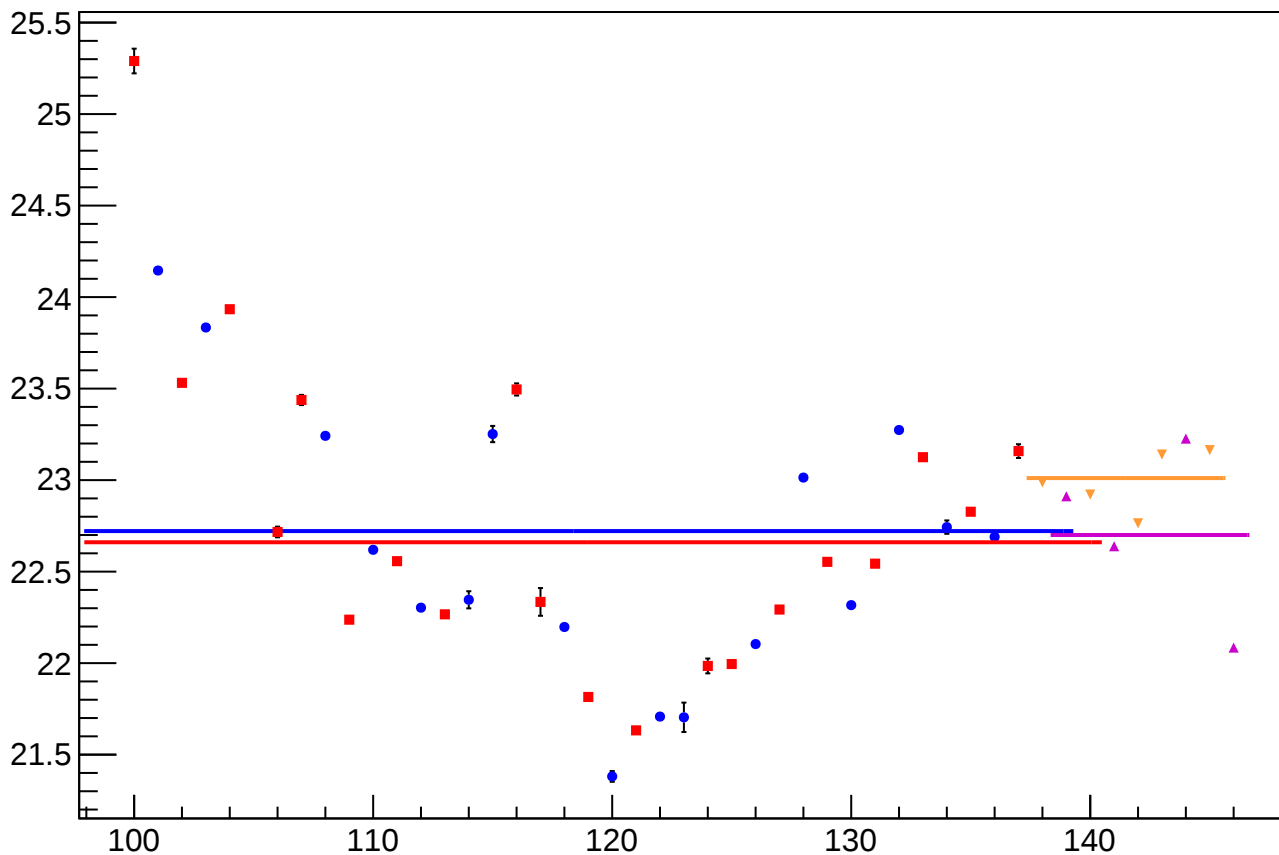
Right Out: -5.783 ± 8.453 χ^2/NDF : 18.2/19

Left In: -19.460 ± 12.605 χ^2/NDF : 2.8/3

7.276 ± 7.202 χ^2/NDF : 21.3/21

-10.025 ± 7.021 χ^2/NDF : 21.8/23

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722+/-0.006 χ^2/NDF : 13580.6/16

Left Out: 23.011+/-0.009 χ^2/NDF : 234.6/4

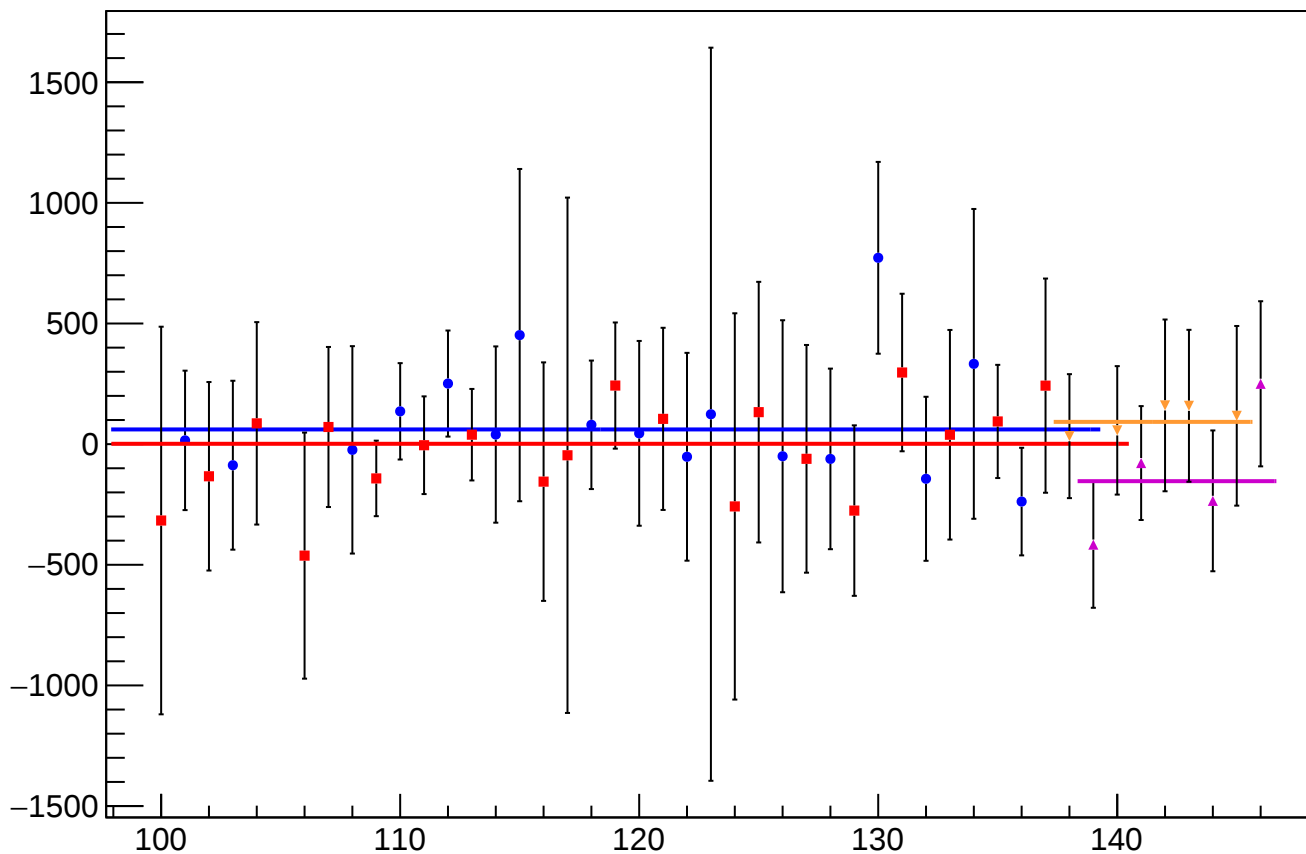
Right Out: 22.660+/-0.006 χ^2/NDF : 12974.2/19

Left In: 22.700+/-0.009 χ^2/NDF : 2284.8/3

22.817+/-0.005 χ^2/NDF : 14531.2/21

22.673+/-0.005 χ^2/NDF : 15272.7/23

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: 92.290 $\pm$ 135.509 χ^2 /NDF: 0.2/4

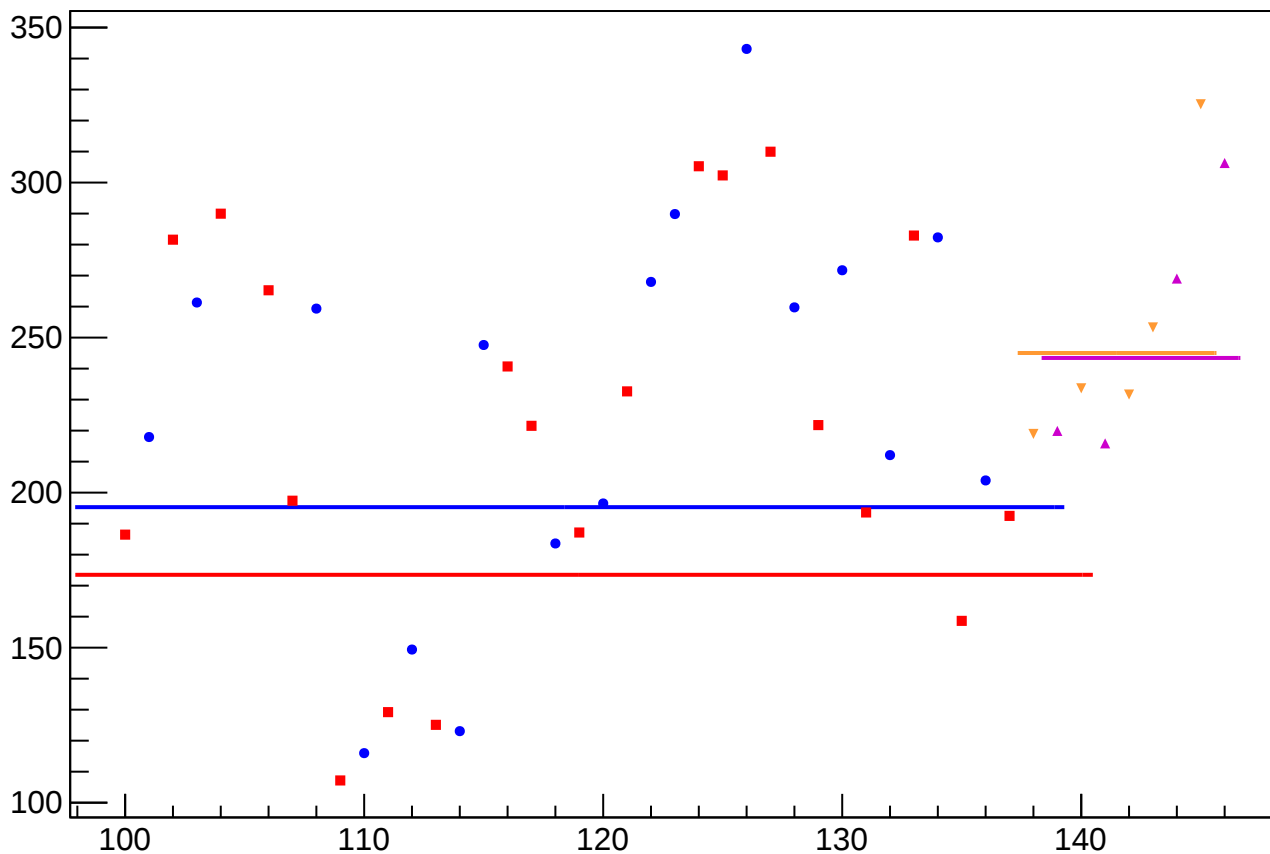
Right Out: 1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

Left In: -153.439 $\pm$ 137.594 χ^2 /NDF: 2.6/3

69.087 $\pm$ 69.016 χ^2 /NDF: 7.4/21

-30.690 $\pm$ 62.670 χ^2 /NDF: 8.8/23

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: 245.036+/-0.096 χ^2/NDF :121371.6/4

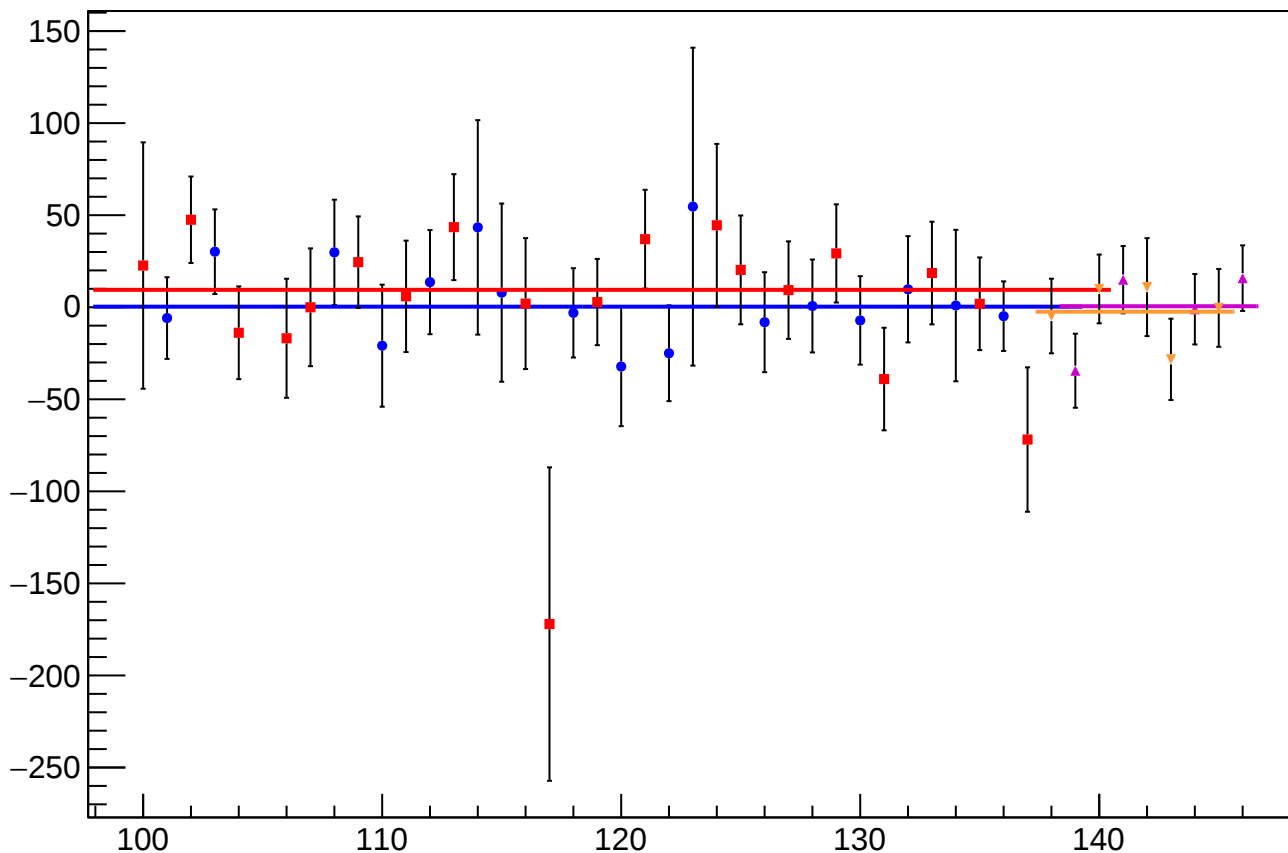
208.213+/-0.049 χ^2/NDF : 1324990.7/21

Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

188.004+/-0.044 χ^2/NDF : 2118345.2/23

Left In: 243.435+/-0.097 χ^2/NDF :126342.4/3

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 $\pm$ 6.812 χ^2/NDF : 6.8/16

Left Out: -2.418 $\pm$ 9.533 χ^2/NDF : 2.1/4

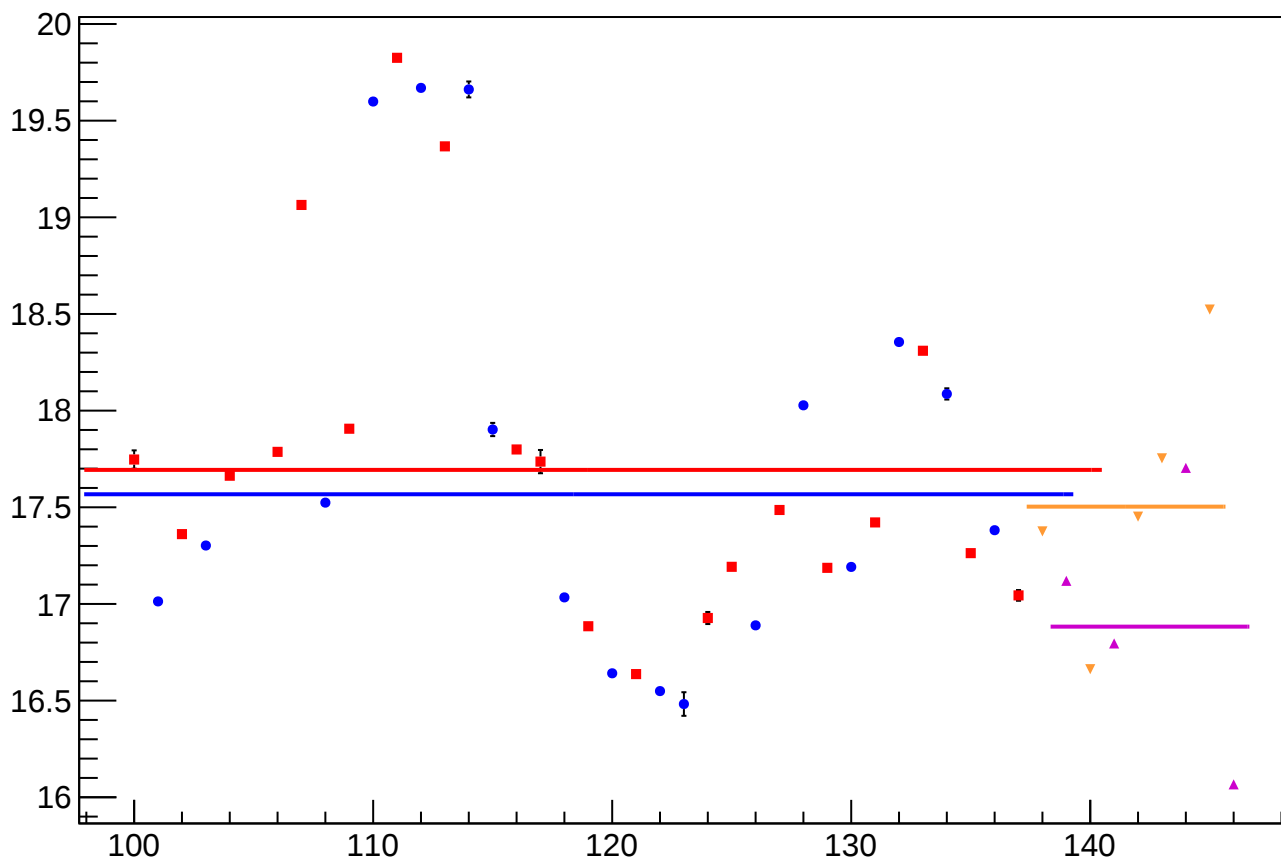
Right Out: 9.452 $\pm$ 6.608 χ^2/NDF : 20.6/19

Left In: 0.550 $\pm$ 9.388 χ^2/NDF : 4.4/3

-0.615 $\pm$ 5.543 χ^2/NDF : 8.9/21

6.503 $\pm$ 5.404 χ^2/NDF : 25.6/23

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 ± 0.005 χ^2/NDF : 33145.0/16

Left Out: 17.503 ± 0.007 χ^2/NDF : 9054.3/4

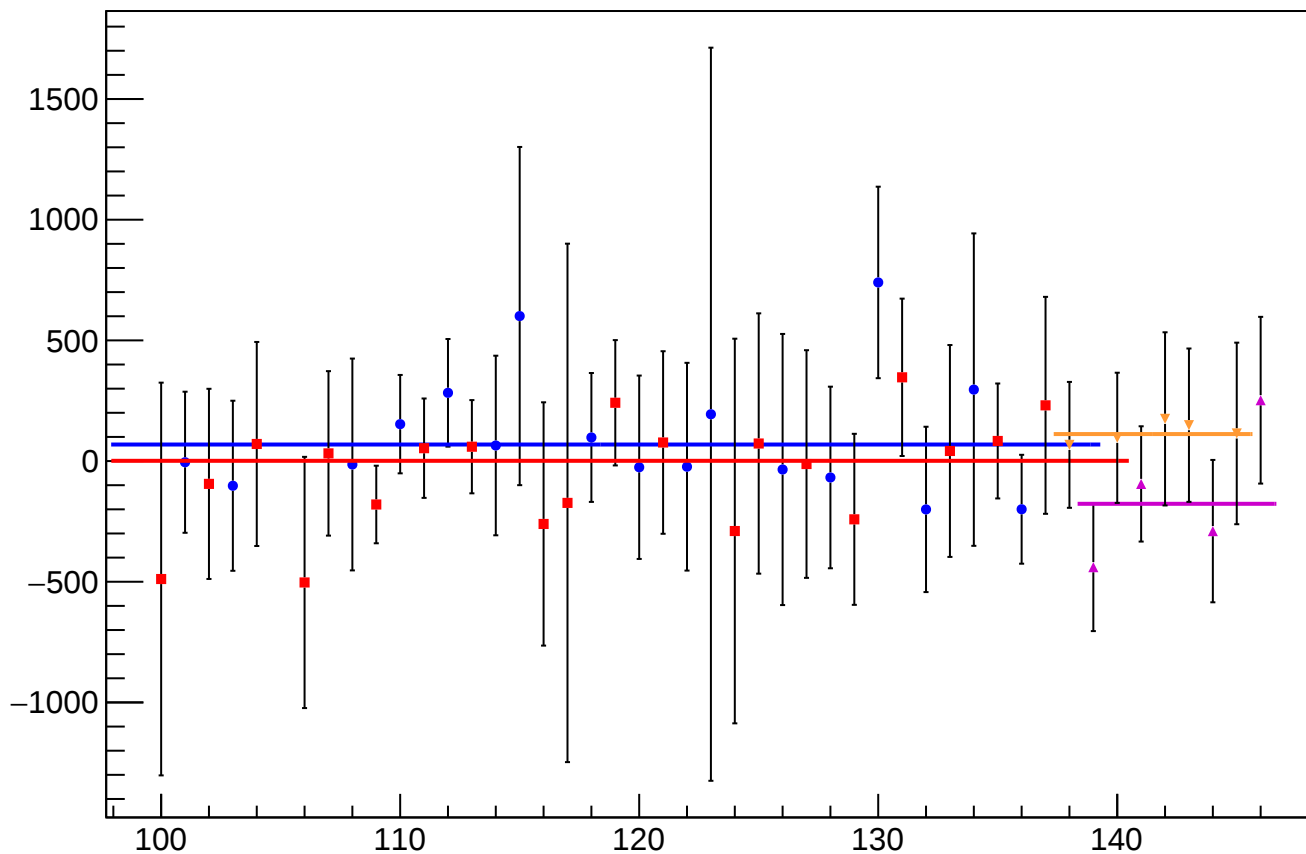
Right Out: 17.693 ± 0.005 χ^2/NDF : 30767.6/19

Left In: 16.883 ± 0.007 χ^2/NDF : 8202.0/3

17.546 ± 0.004 χ^2/NDF : 42259.0/21

17.425 ± 0.004 χ^2/NDF : 48946.1/23

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 111.889+/-137.104 χ^2/NDF : 0.1/4

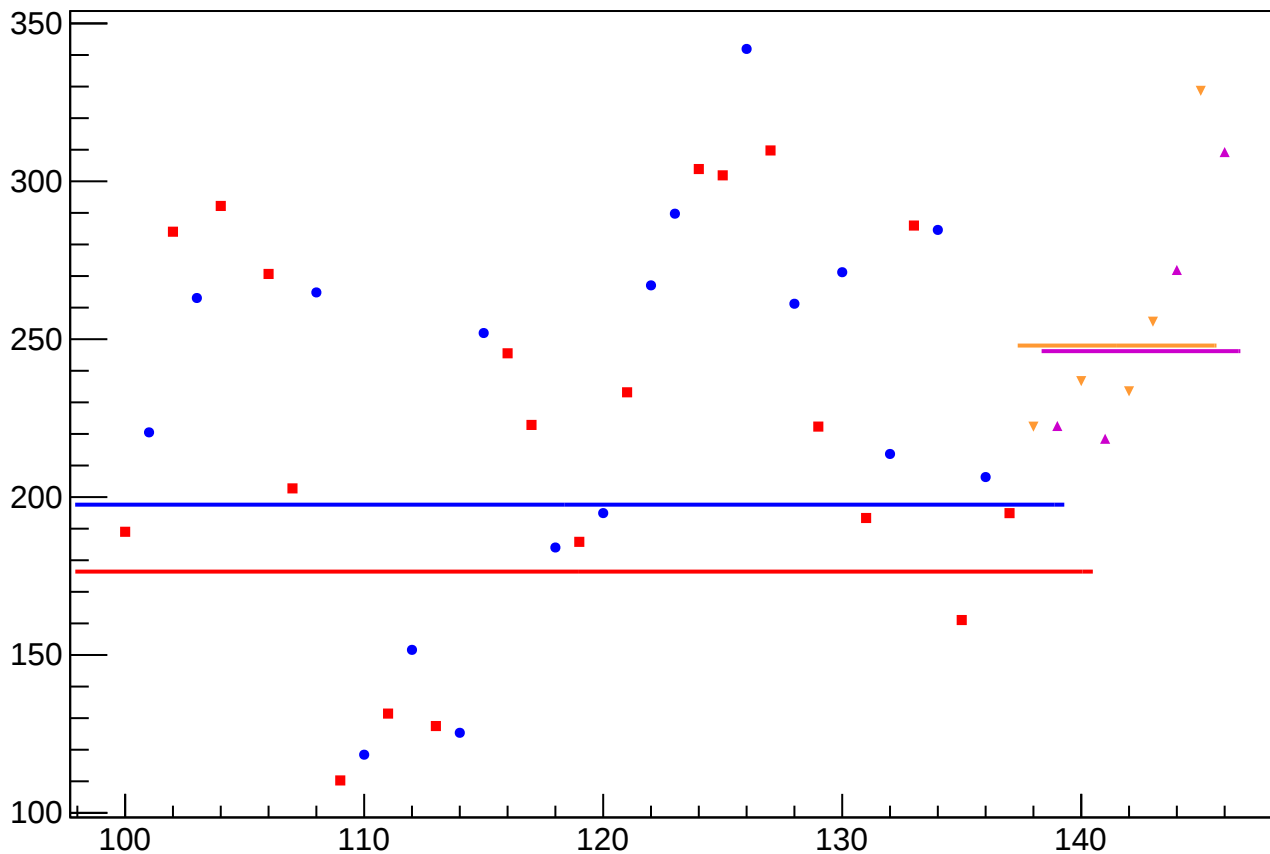
Right Out: 1.057+/-71.380 χ^2/NDF : 6.1/19

Left In: -177.075+/-139.132 χ^2/NDF : 2.8/3

79.769+/-69.750 χ^2/NDF : 7.5/21

-36.059+/-63.509 χ^2/NDF : 10.2/23

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603+/-0.057 χ^2/NDF : 968827.8/16

Left Out: 247.987+/-0.097 χ^2/NDF :119251.7/4

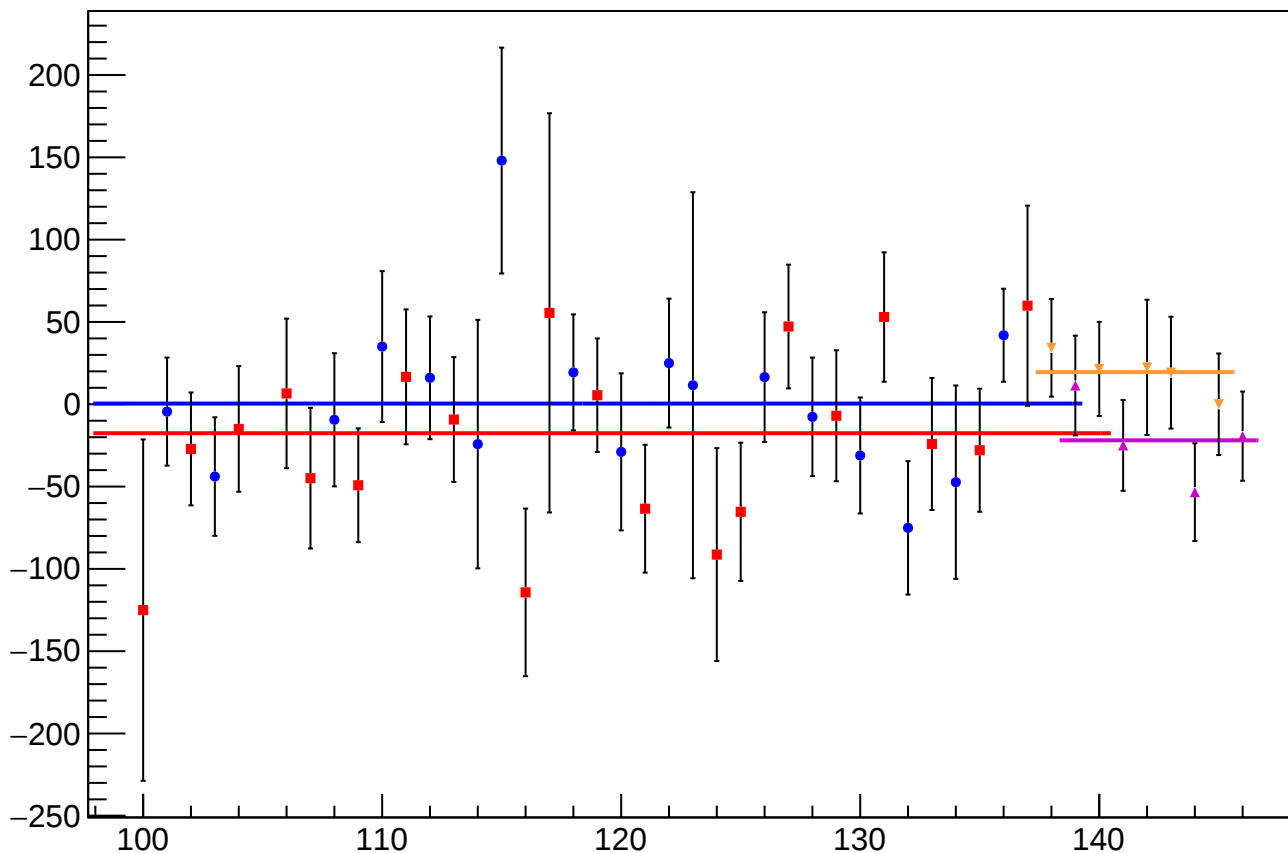
Right Out: 176.407+/-0.050 χ^2/NDF : 1523589.5/19

Left In: 246.218+/-0.098 χ^2/NDF :124822.4/3

210.644+/-0.049 χ^2/NDF : 1288267.0/21

190.953+/-0.045 χ^2/NDF : 2047017.3/23

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 ± 9.884 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 19.538 ± 14.333 $\chi^2/\text{NDF}: 0.7/4$

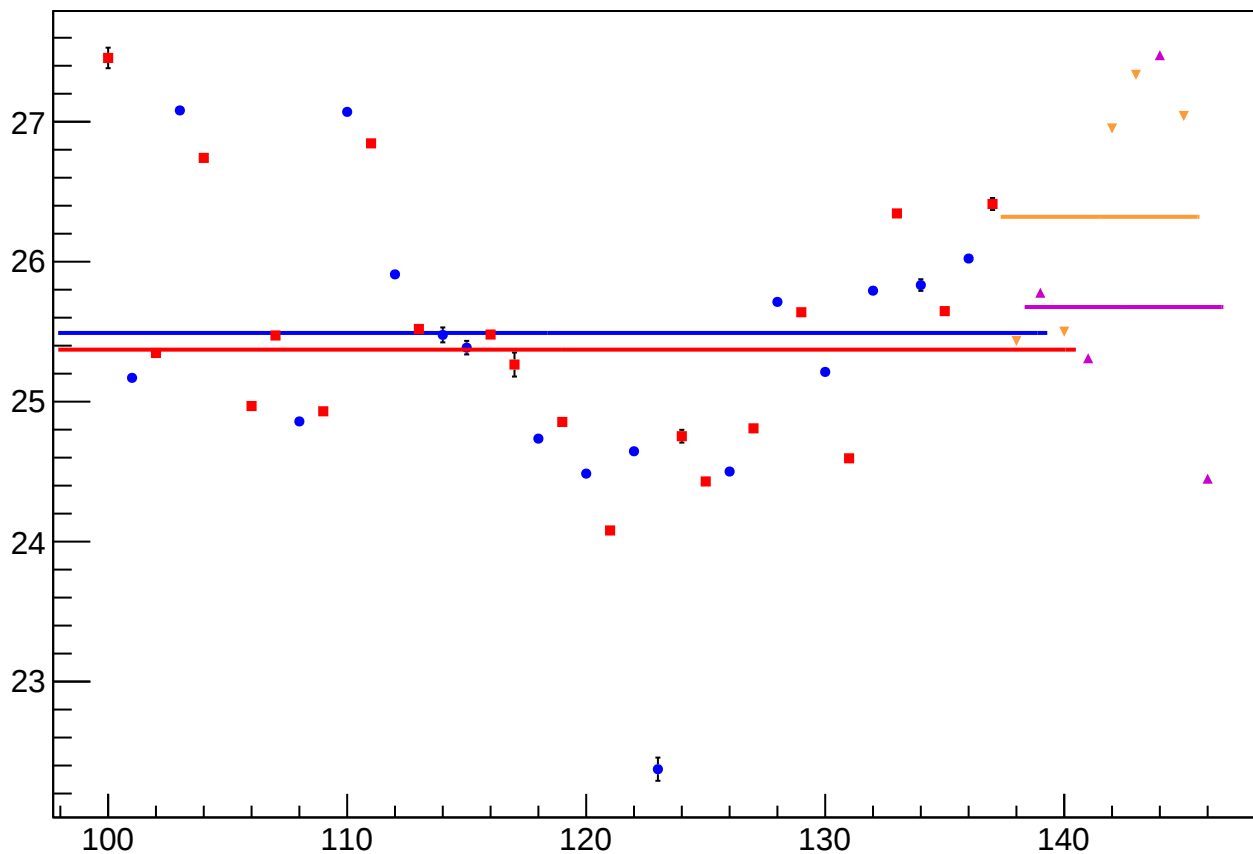
Right Out: -17.595 ± 9.470 $\chi^2/\text{NDF}: 19.8/19$

Left In: -21.899 ± 14.282 $\chi^2/\text{NDF}: 2.4/3$

6.586 ± 8.137 $\chi^2/\text{NDF}: 17.3/21$

-18.909 ± 7.892 $\chi^2/\text{NDF}: 22.3/23$

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: 26.321 ± 0.010 χ^2/NDF : 6776.2/4

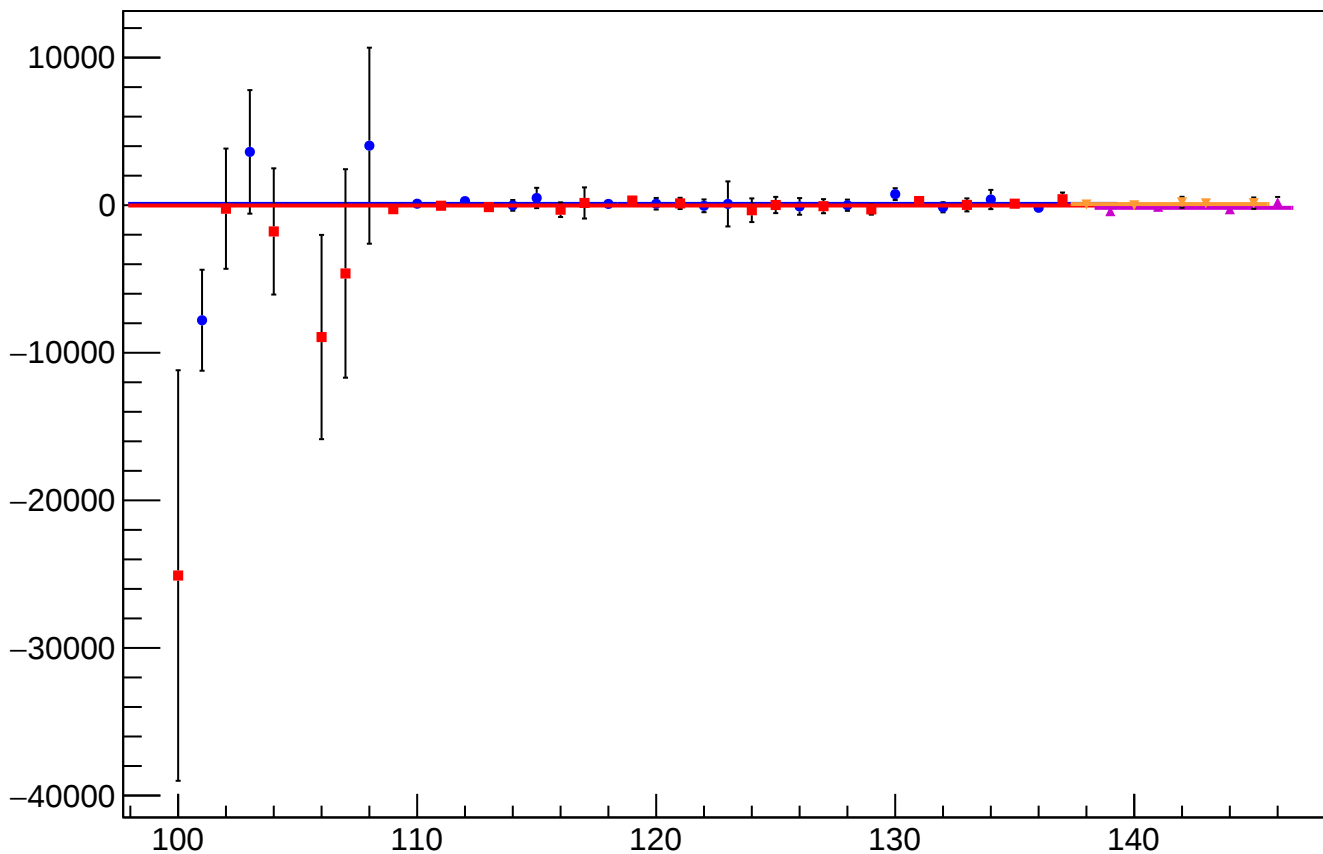
Right Out: 25.372 ± 0.007 χ^2/NDF : 13552.0/19

Left In: 25.676 ± 0.010 χ^2/NDF : 11815.5/3

25.758 ± 0.006 χ^2/NDF : 25031.1/21

25.465 ± 0.006 χ^2/NDF : 25999.6/23

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: 75.648+/-137.786 χ^2/NDF : 0.3/4

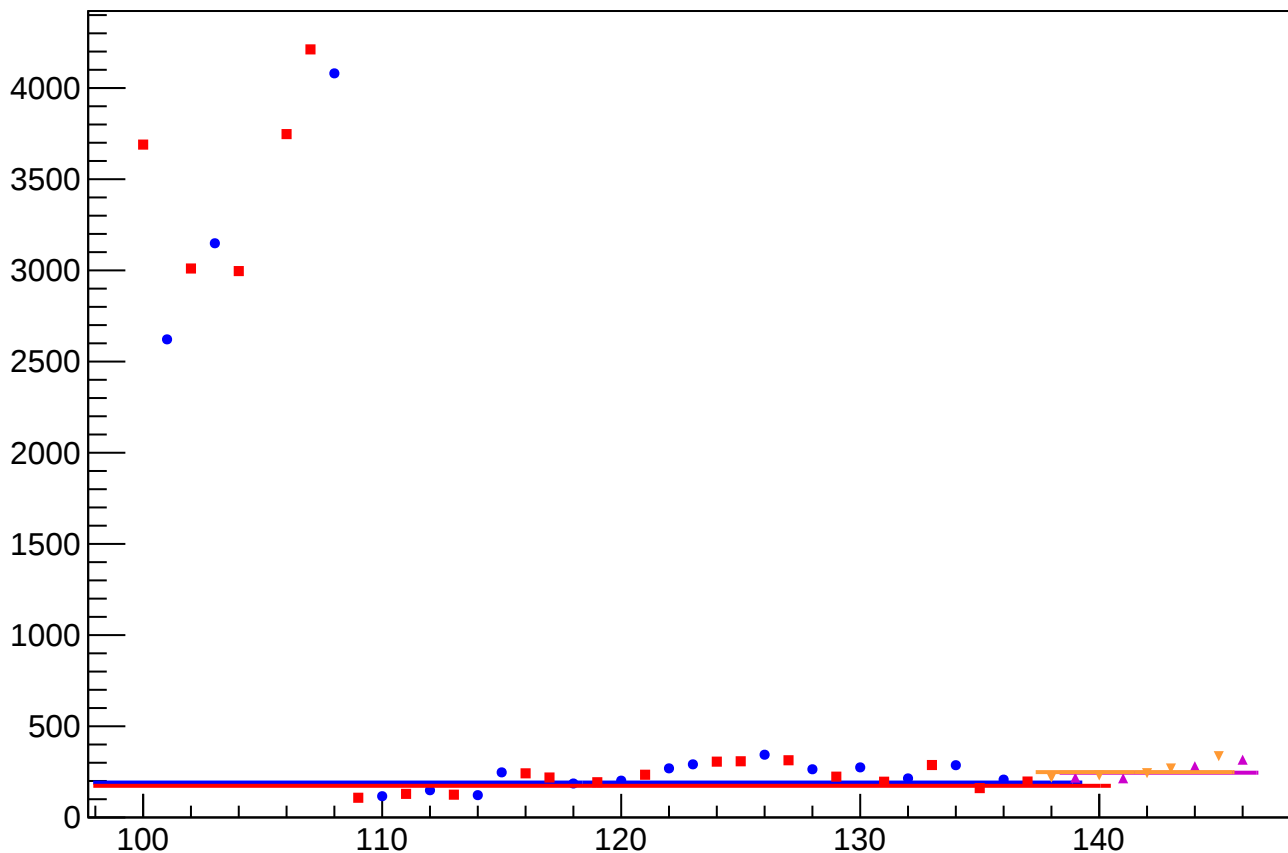
Right Out: -22.332+/-80.711 χ^2/NDF : 11.9/19

Left In: -178.660+/-139.155 χ^2/NDF : 2.1/3

83.375+/-74.417 χ^2/NDF : 12.8/21

-61.684+/-69.818 χ^2/NDF : 15.0/23

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: 248.620+/-0.097 χ^2/NDF : 148524.6/4

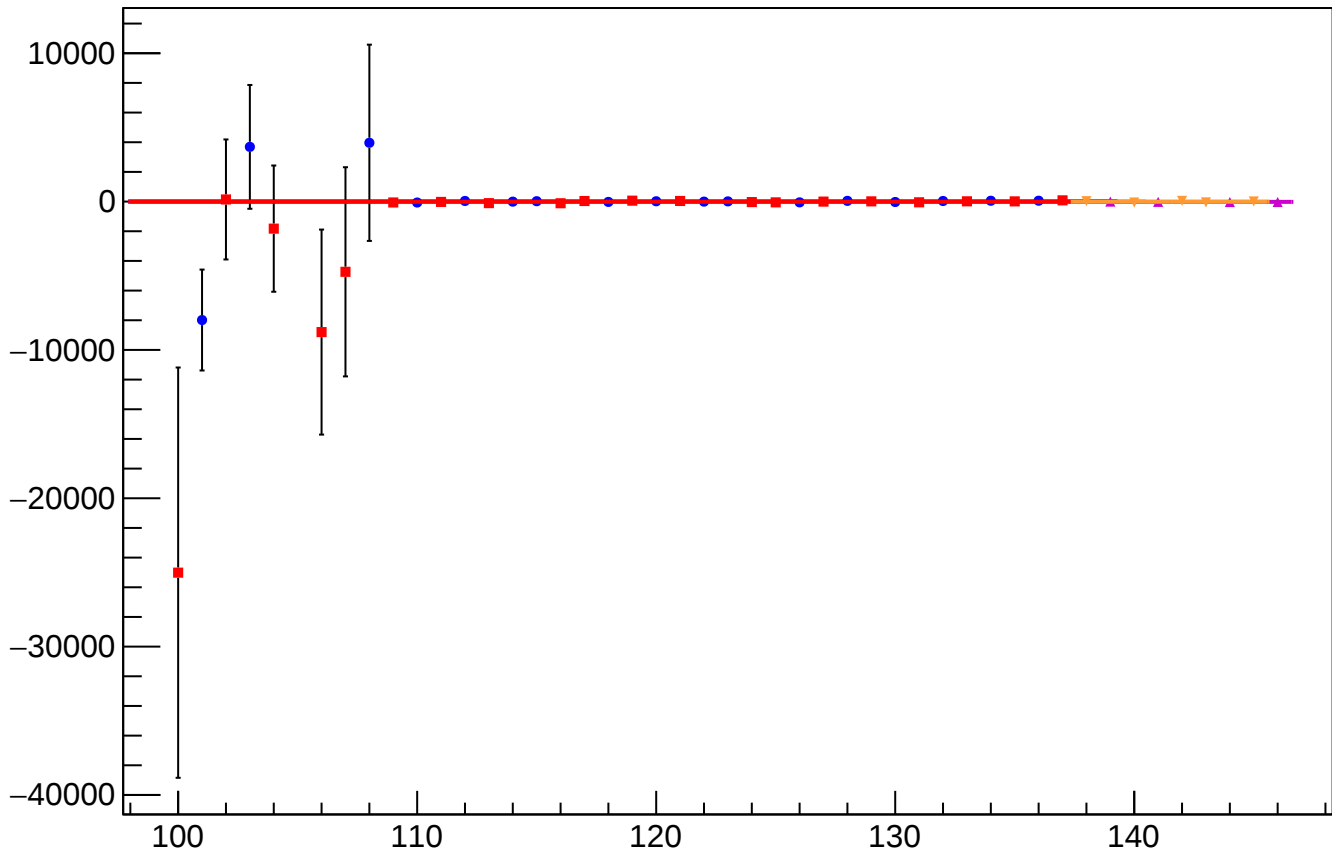
Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

Left In: 245.422+/-0.098 χ^2/NDF : 164189.2/3

208.146+/-0.053 χ^2/NDF : 3965318.9/21

191.653+/-0.049 χ^2/NDF : 4774402.6/23

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: -11.179+/-16.643 χ^2/NDF : 6.8/4

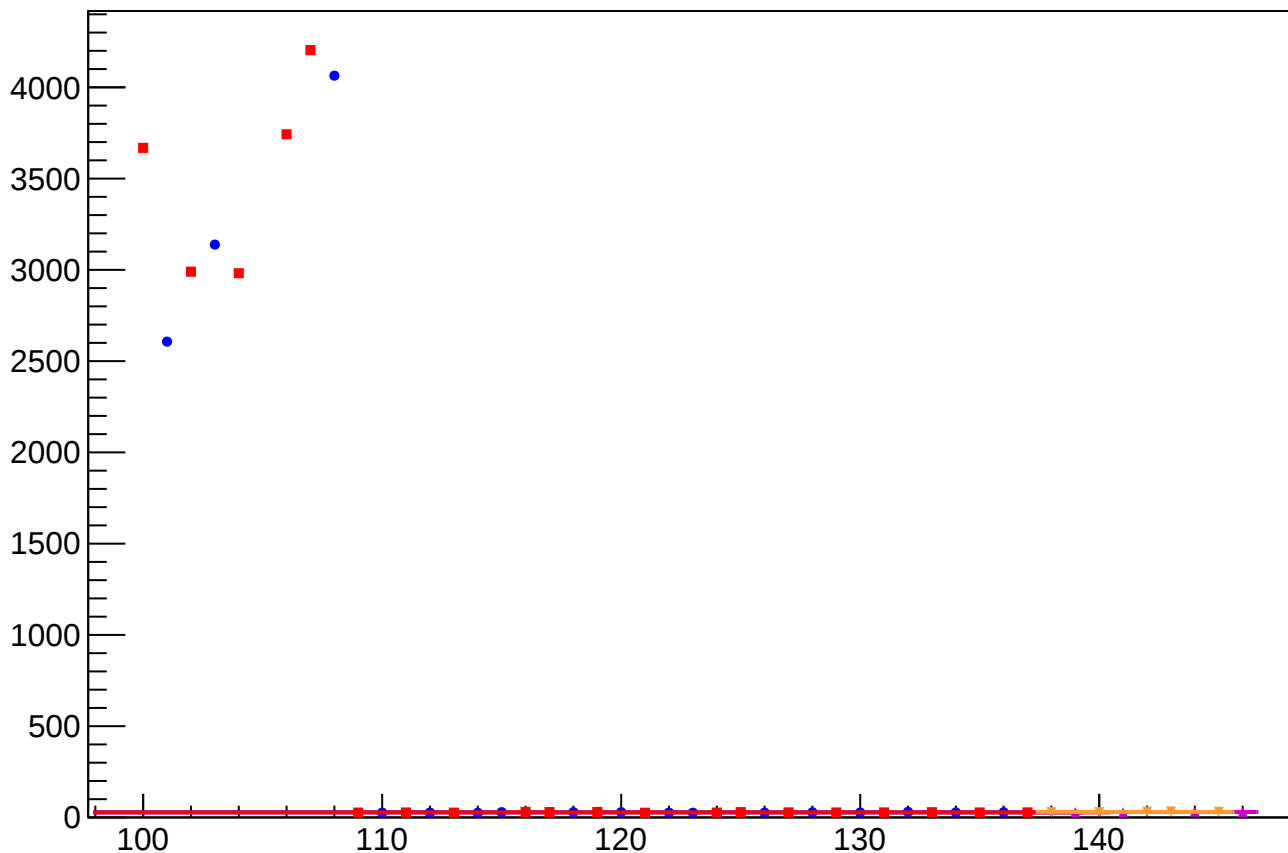
Right Out: -12.296+/-12.186 χ^2/NDF : 24.9/19

Left In: -19.343+/-16.641 χ^2/NDF : 0.5/3

2.718+/-9.883 χ^2/NDF : 26.3/21

-14.756+/-9.832 χ^2/NDF : 25.5/23

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: 30.465+/-0.012 χ^2/NDF :14964.4/4

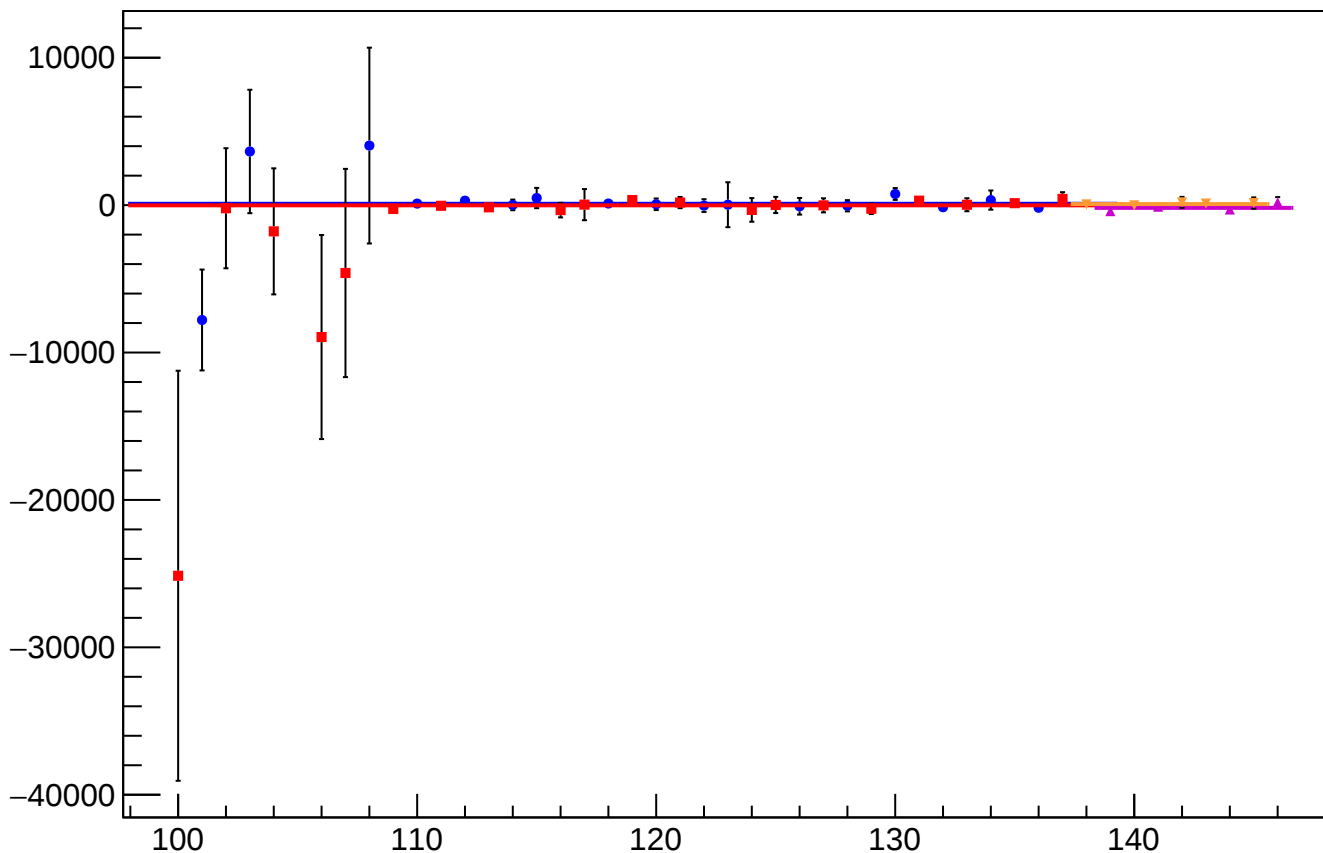
Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

Left In: 29.877+/-0.012 χ^2/NDF :17352.0/3

28.775+/-0.007 χ^2/NDF : 3074469.9/21

28.465+/-0.007 χ^2/NDF : 3516624.9/23

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: 72.349+/-137.474 χ^2/NDF : 0.3/4

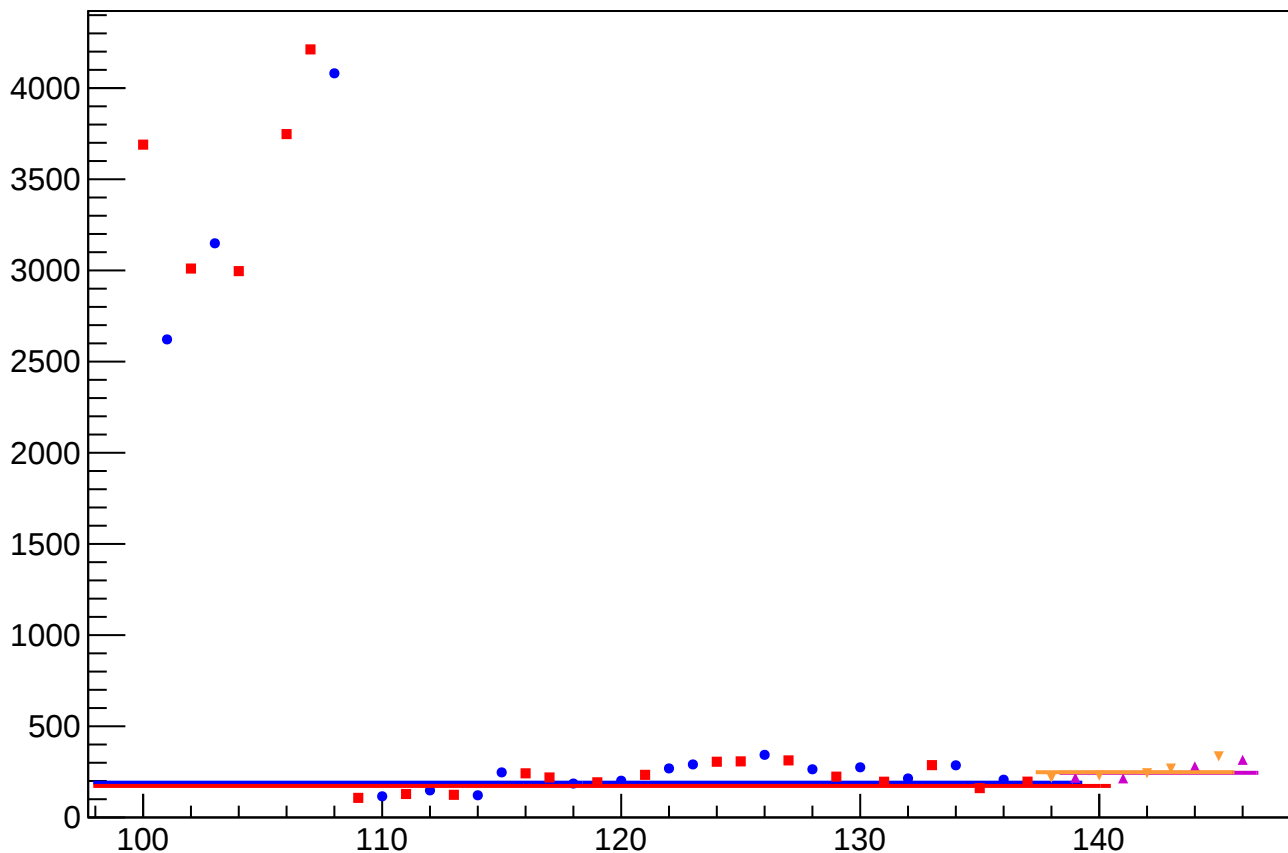
Right Out: -13.075+/-80.452 χ^2/NDF : 12.7/19

Left In: -185.500+/-138.860 χ^2/NDF : 2.1/3

85.405+/-74.205 χ^2/NDF : 13.0/21

-56.408+/-69.613 χ^2/NDF : 15.9/23

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: 248.050 ± 0.097 χ^2/NDF : 148888.7/4

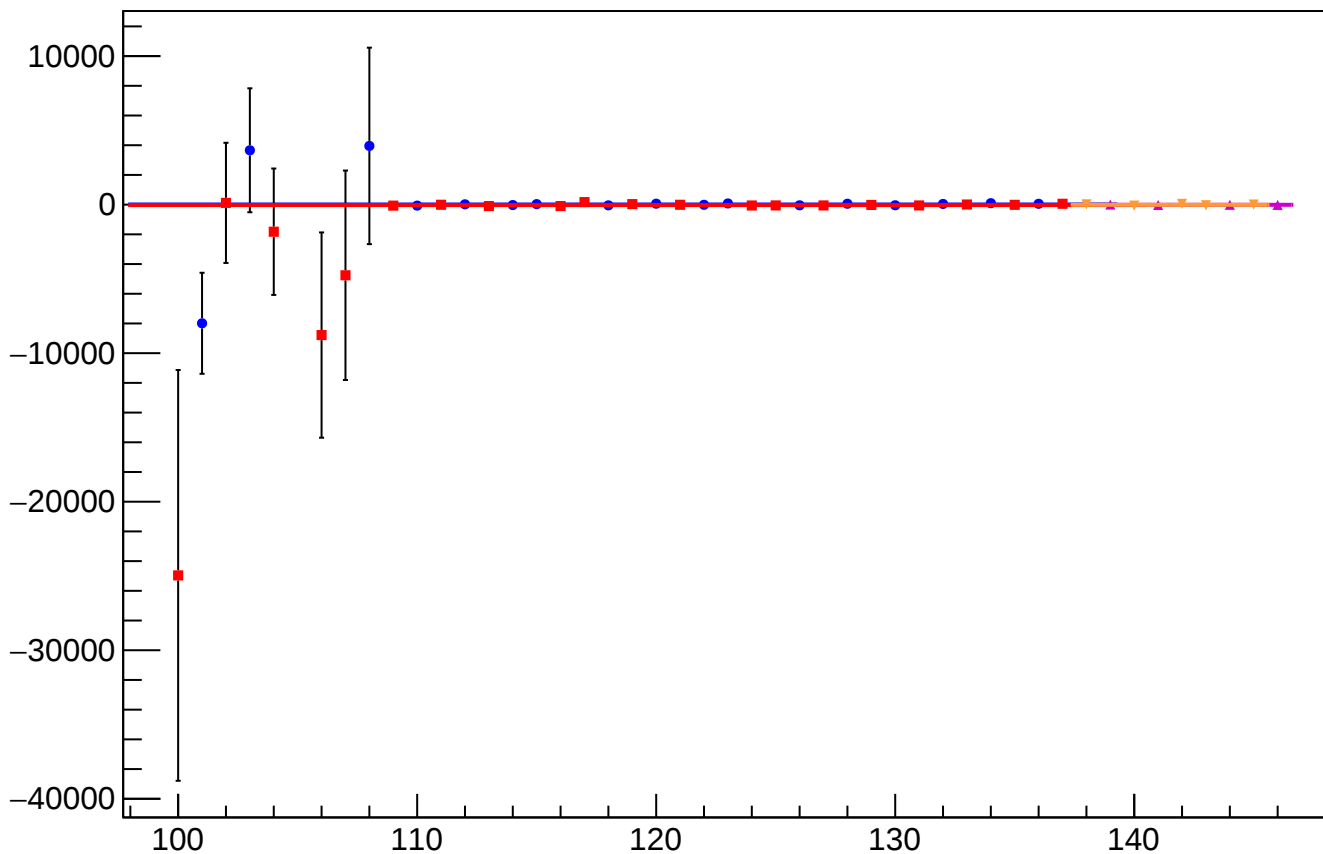
Right Out: 172.900 ± 0.057 χ^2/NDF : 4222511.2/19

Left In: 244.902 ± 0.098 χ^2/NDF : 164059.2/3

207.458 ± 0.052 χ^2/NDF : 3979977.4/21

190.995 ± 0.049 χ^2/NDF : 4789164.9/23

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600 ± 12.368 χ^2/NDF : 23.2/16

Left Out: -11.527 ± 16.743 χ^2/NDF : 6.0/4

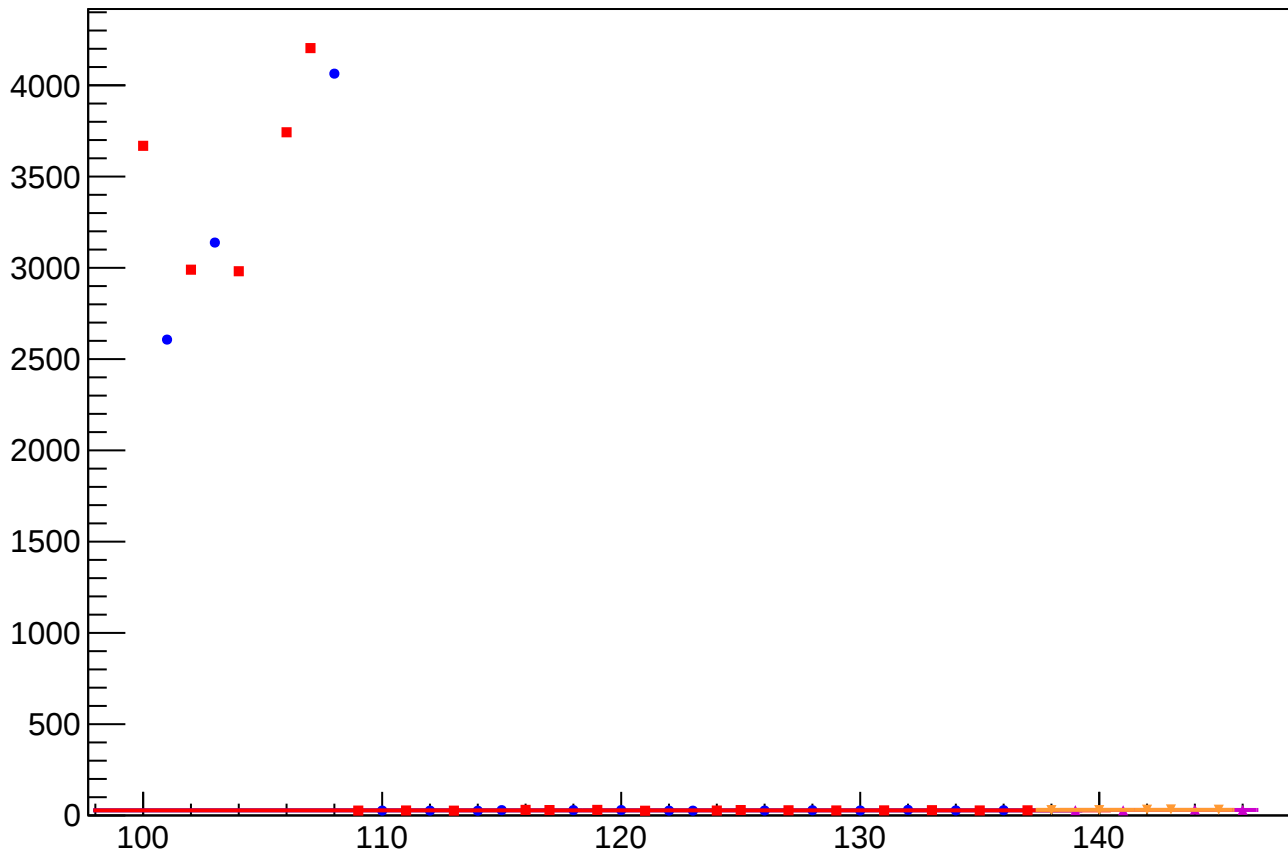
Right Out: -27.898 ± 12.287 χ^2/NDF : 18.8/19

Left In: -11.824 ± 16.742 χ^2/NDF : 0.4/3

1.495 ± 9.948 χ^2/NDF : 30.1/21

-22.272 ± 9.906 χ^2/NDF : 19.8/23

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044+/-0.009 χ^2/NDF : 3027898.7/16

Left Out: 30.643+/-0.012 χ^2/NDF :15329.8/4

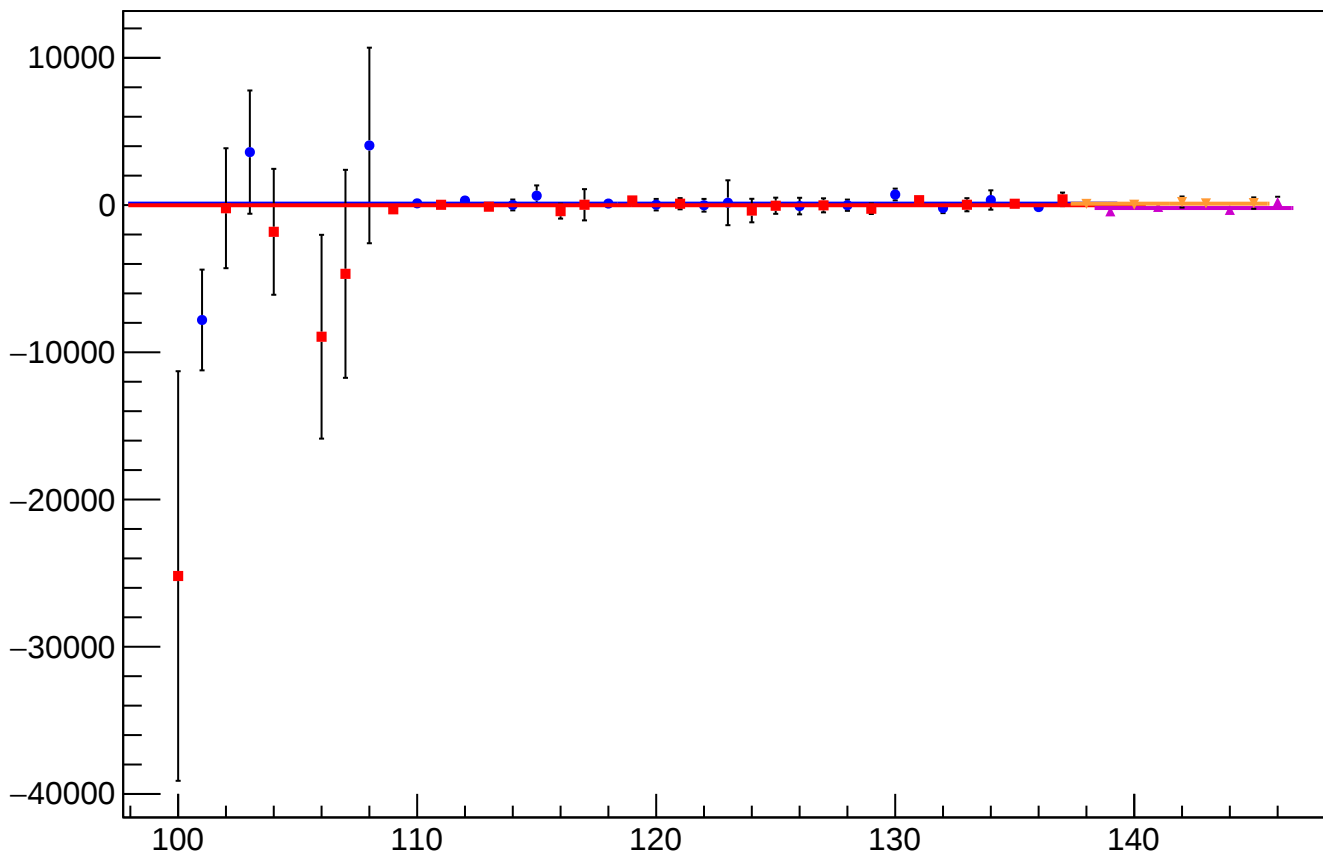
Right Out: 27.930+/-0.009 χ^2/NDF : 3479947.6/19

Left In: 30.053+/-0.012 χ^2/NDF :18937.1/3

28.961+/-0.007 χ^2/NDF : 3074412.8/21

28.673+/-0.007 χ^2/NDF : 3519779.1/23

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: 95.348 $\pm$ 139.373 χ^2 /NDF:0.2/4

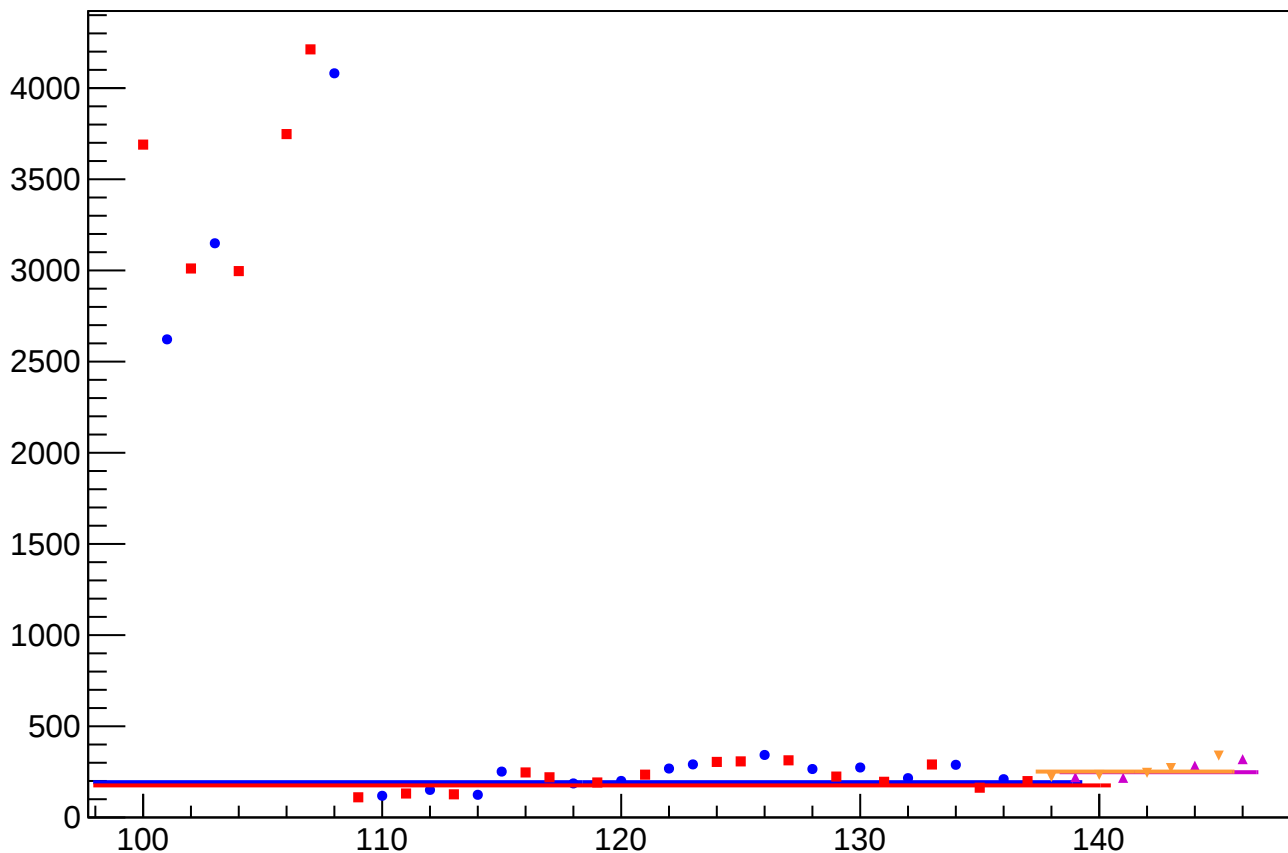
Right Out: -11.533 $\pm$ 81.530 χ^2 /NDF: 12.3/19

Left In: -200.908 $\pm$ 140.667 χ^2 /NDF:2.3/3

97.330 $\pm$ 75.132 χ^2 /NDF: 12.7/21

-59.154 $\pm$ 70.539 χ^2 /NDF: 16.0/23

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: 251.567+/-0.099 χ^2/NDF : 145448.8/4

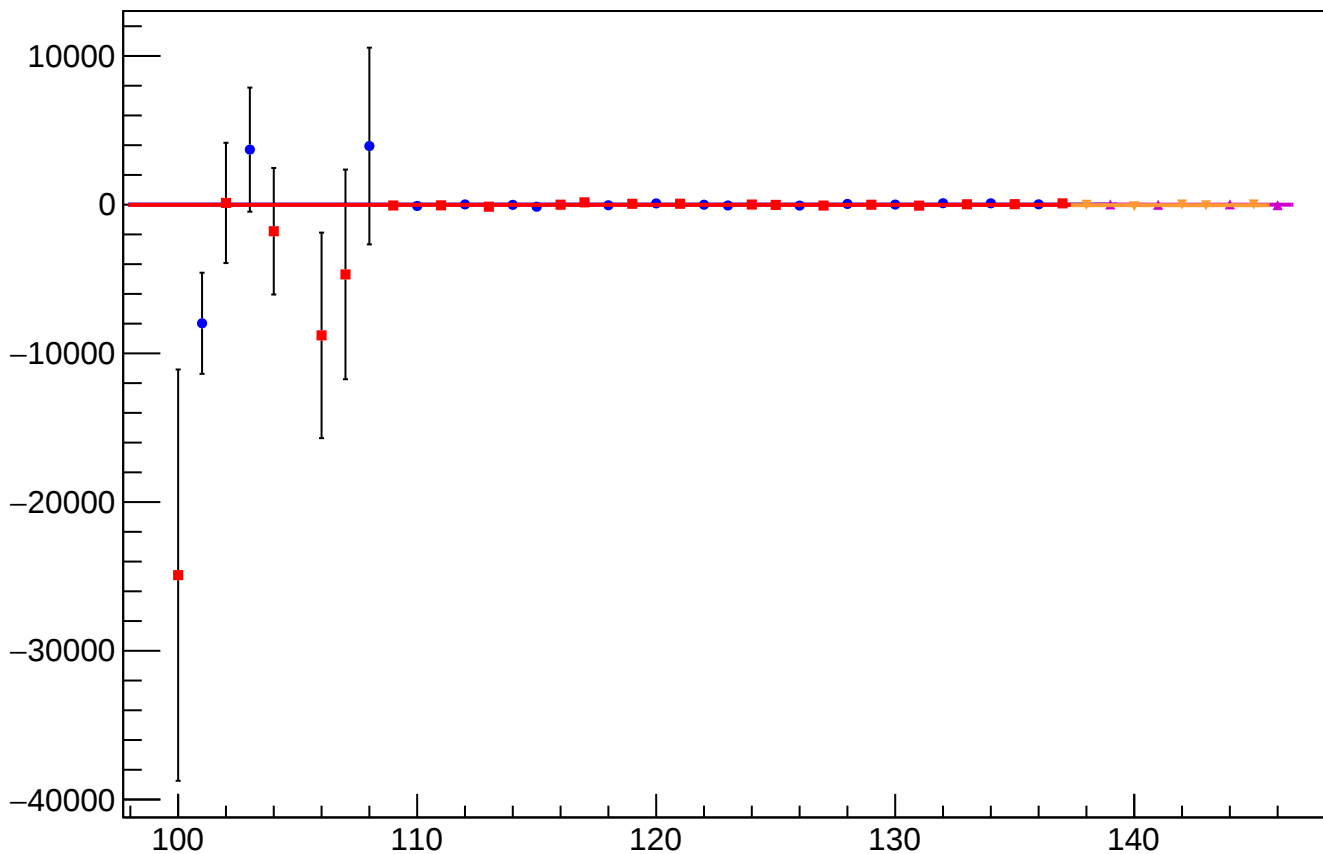
Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

Left In: 248.156+/-0.099 χ^2/NDF : 162291.2/3

210.386+/-0.053 χ^2/NDF : 3928538.0/21

193.975+/-0.050 χ^2/NDF : 4727800.5/23

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: -32.719+/-19.851 χ^2 /NDF:5.7/4

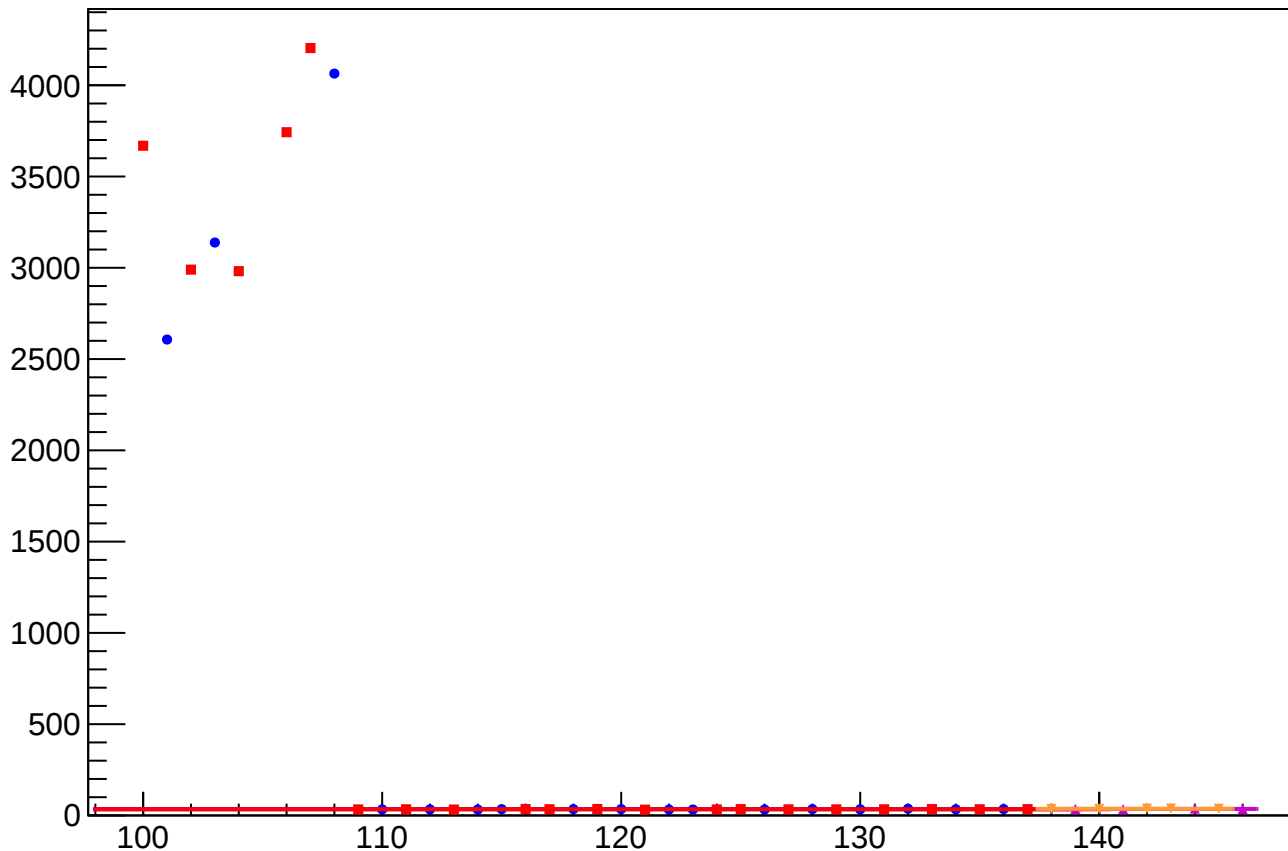
Right Out: -10.775+/-14.891 χ^2 /NDF: 23.0/19

Left In: -0.373+/-19.844 χ^2 /NDF:1.3/3

-8.411+/-11.994 χ^2 /NDF: 28.5/21

-7.028+/-11.910 χ^2 /NDF: 24.5/23

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.168+/-0.011 χ^2 /NDF: 3006512.8/16

Left Out: 36.414+/-0.014 χ^2 /NDF:4659.0/4

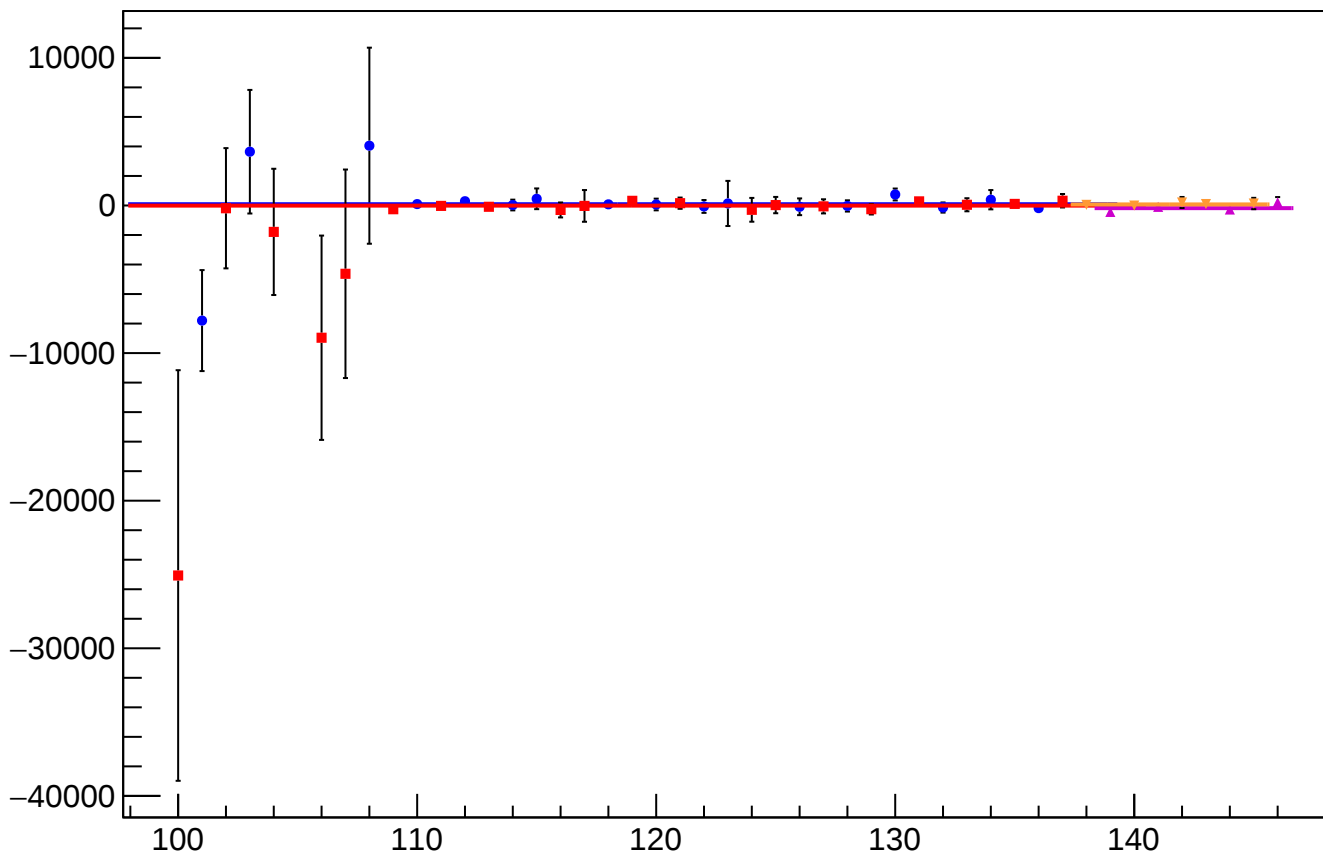
Right Out: 33.916+/-0.011 χ^2 /NDF: 3451921.6/19

Left In: 35.690+/-0.014 χ^2 /NDF:5989.3/3

34.988+/-0.008 χ^2 /NDF: 3027436.3/21

34.555+/-0.008 χ^2 /NDF: 3468144.9/23

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: 72.186+/-138.189 χ^2/NDF : 0.3/4

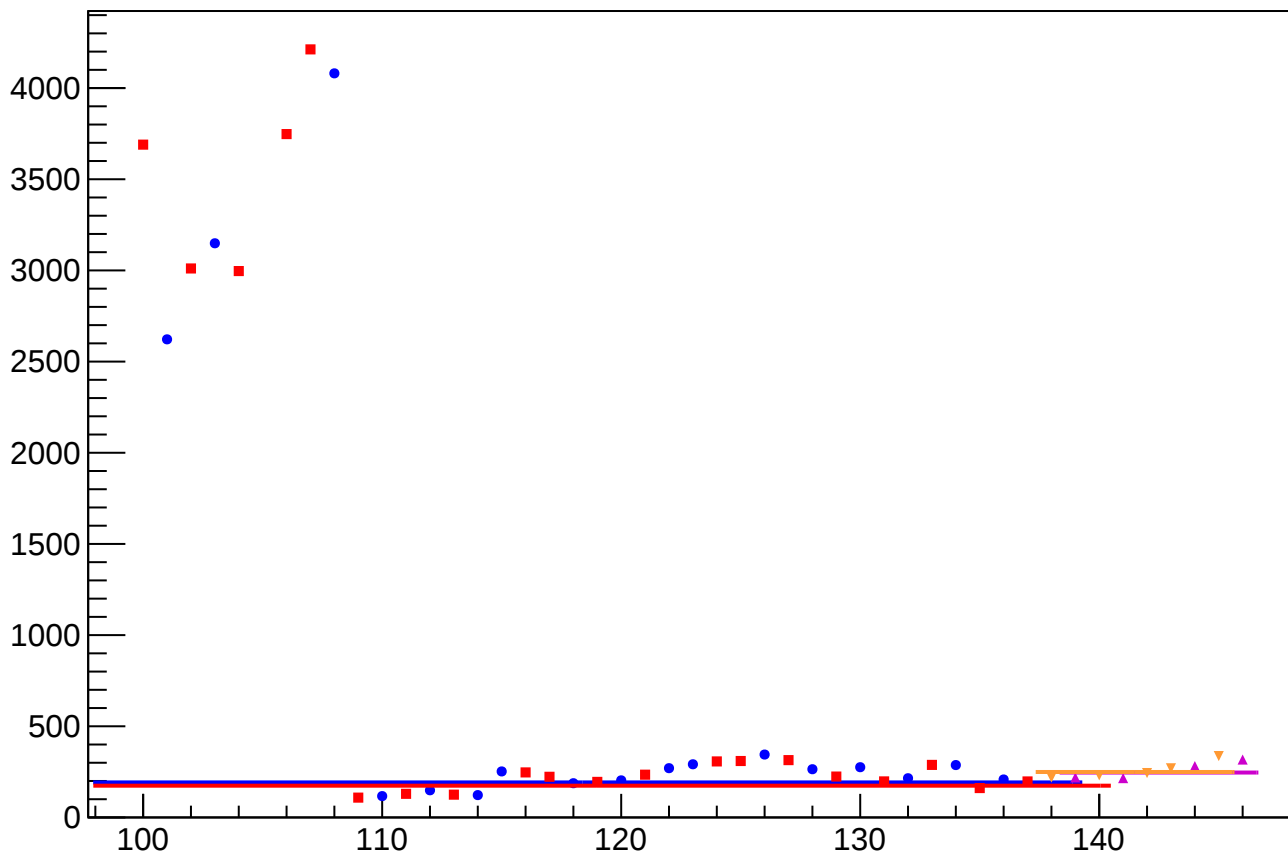
Right Out: -8.682+/-81.026 χ^2/NDF : 11.1/19

Left In: -180.401+/-139.632 χ^2/NDF : 2.4/3

80.907+/-74.673 χ^2/NDF : 12.8/21

-51.938+/-70.081 χ^2/NDF : 14.6/23

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: 249.353+/-0.098 χ^2/NDF : 148479.5/4

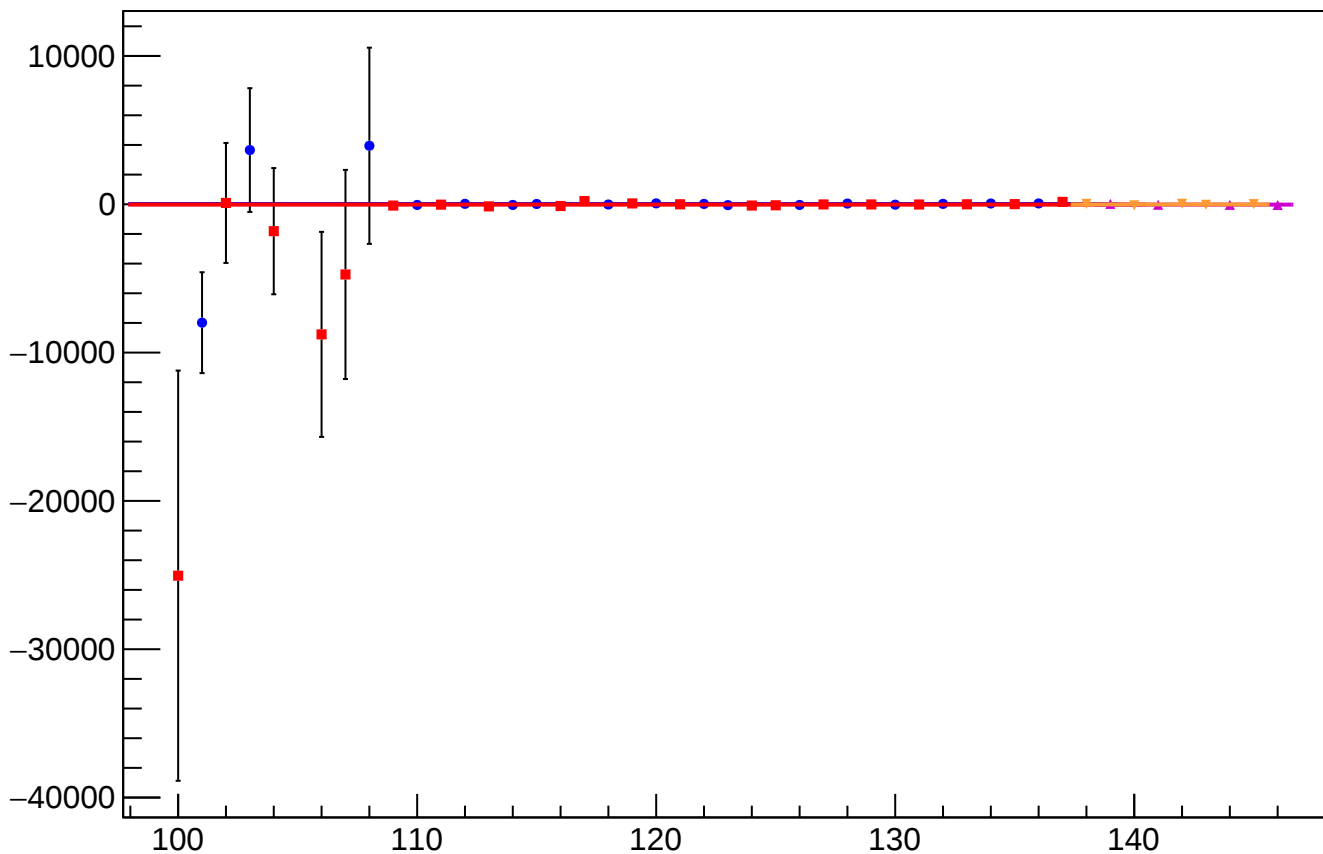
Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

Left In: 246.298+/-0.099 χ^2/NDF : 162861.0/3

208.872+/-0.053 χ^2/NDF : 3965504.9/21

192.391+/-0.050 χ^2/NDF : 4777088.5/23

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: -11.090+/-18.290 χ^2/NDF : 5.2/4

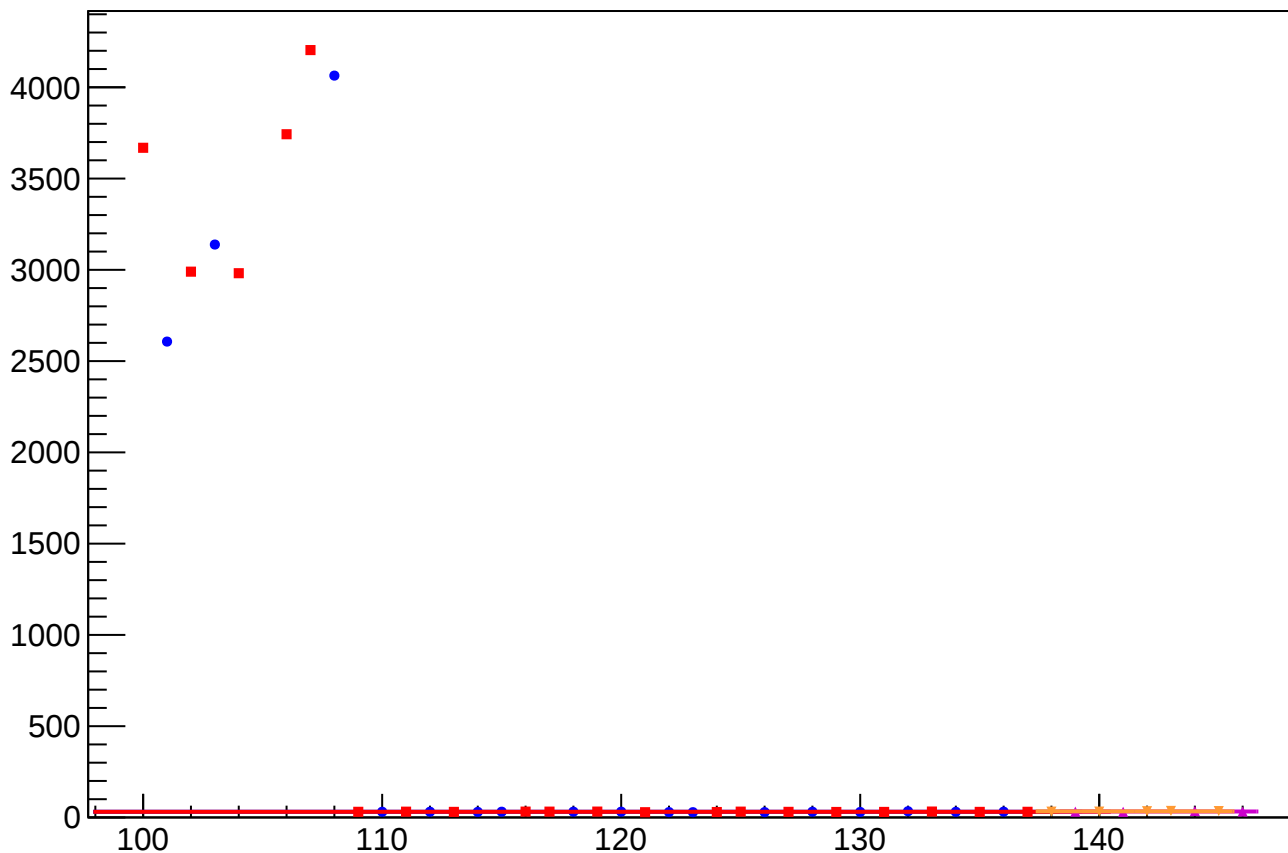
Right Out: -20.740+/-13.606 χ^2/NDF : 30.4/19

Left In: -22.614+/-18.171 χ^2/NDF : 2.5/3

4.164+/-10.977 χ^2/NDF : 20.9/21

-21.413+/-10.891 χ^2/NDF : 32.9/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 33.503+/-0.013 χ^2/NDF :15159.9/4

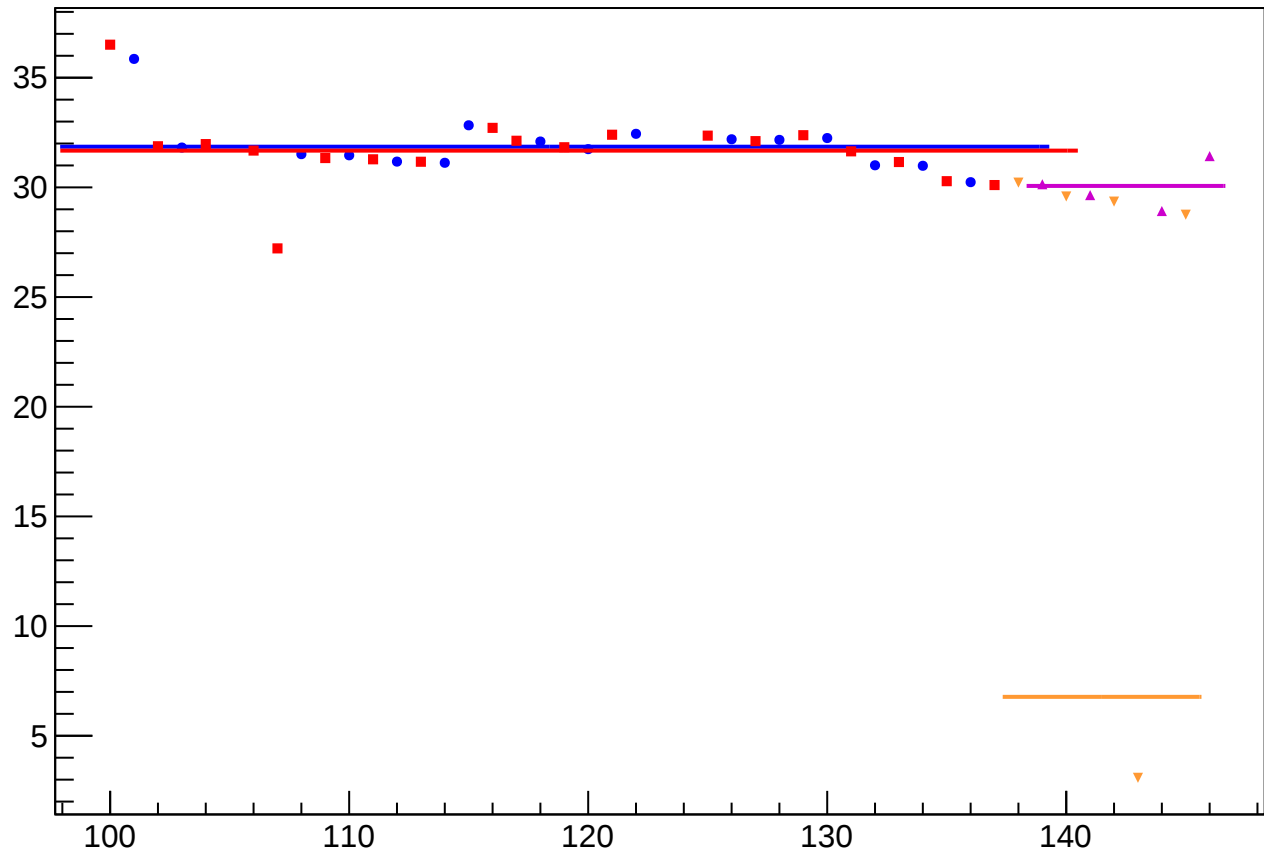
Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

Left In: 32.649+/-0.013 χ^2/NDF :14257.4/3

31.999+/-0.008 χ^2/NDF : 3050797.5/21

31.573+/-0.008 χ^2/NDF : 3484203.8/23

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 6.774+/-0.000 χ^2/NDF : 175828829935.6/4

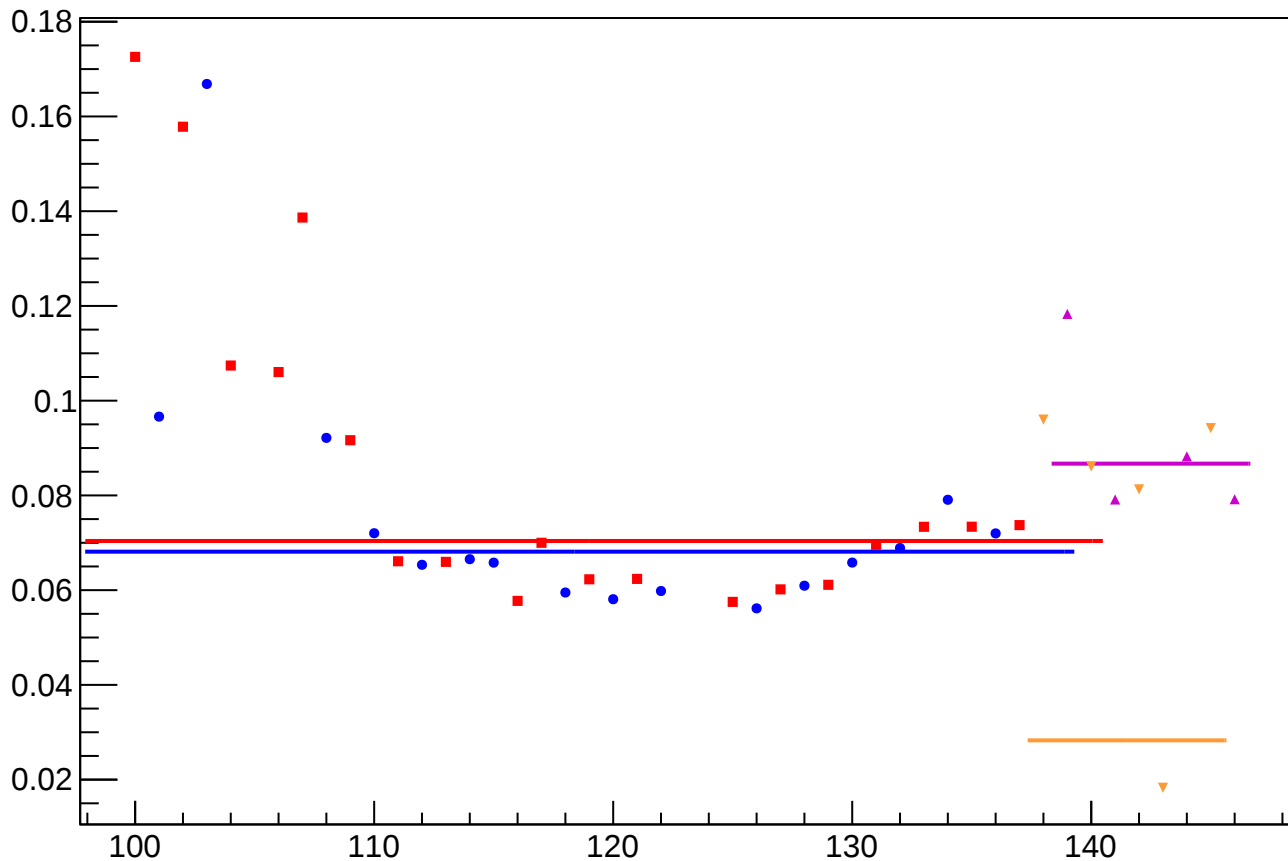
Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

Left In: 30.067+/-0.000 χ^2/NDF : 362846615.6/3

16.110+/-0.000 χ^2/NDF : 668519646604.8/20

31.291+/-0.000 χ^2/NDF : 2025980080.6/22

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF : 629767.4/15

Left Out: 0.028+/-0.000 χ^2/NDF : 2599850.0/4

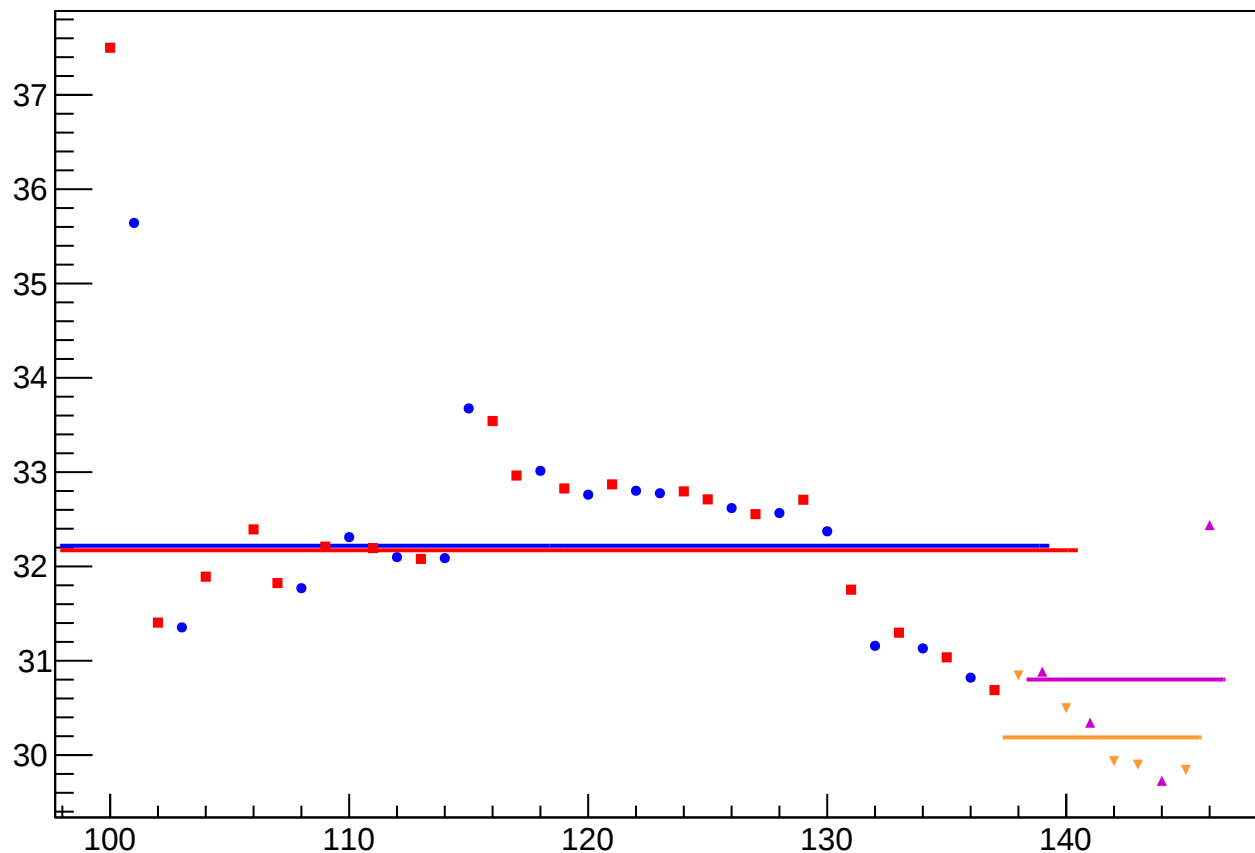
Right Out: 0.070+/-0.000 χ^2/NDF : 841322.7/18

Left In: 0.087+/-0.000 χ^2/NDF : 125771.1/3

0.043+/-0.000 χ^2/NDF : 5707279.7/20

0.074+/-0.000 χ^2/NDF : 1120115.8/22

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 30.187+/-0.000 χ^2/NDF : 67116943.0/4

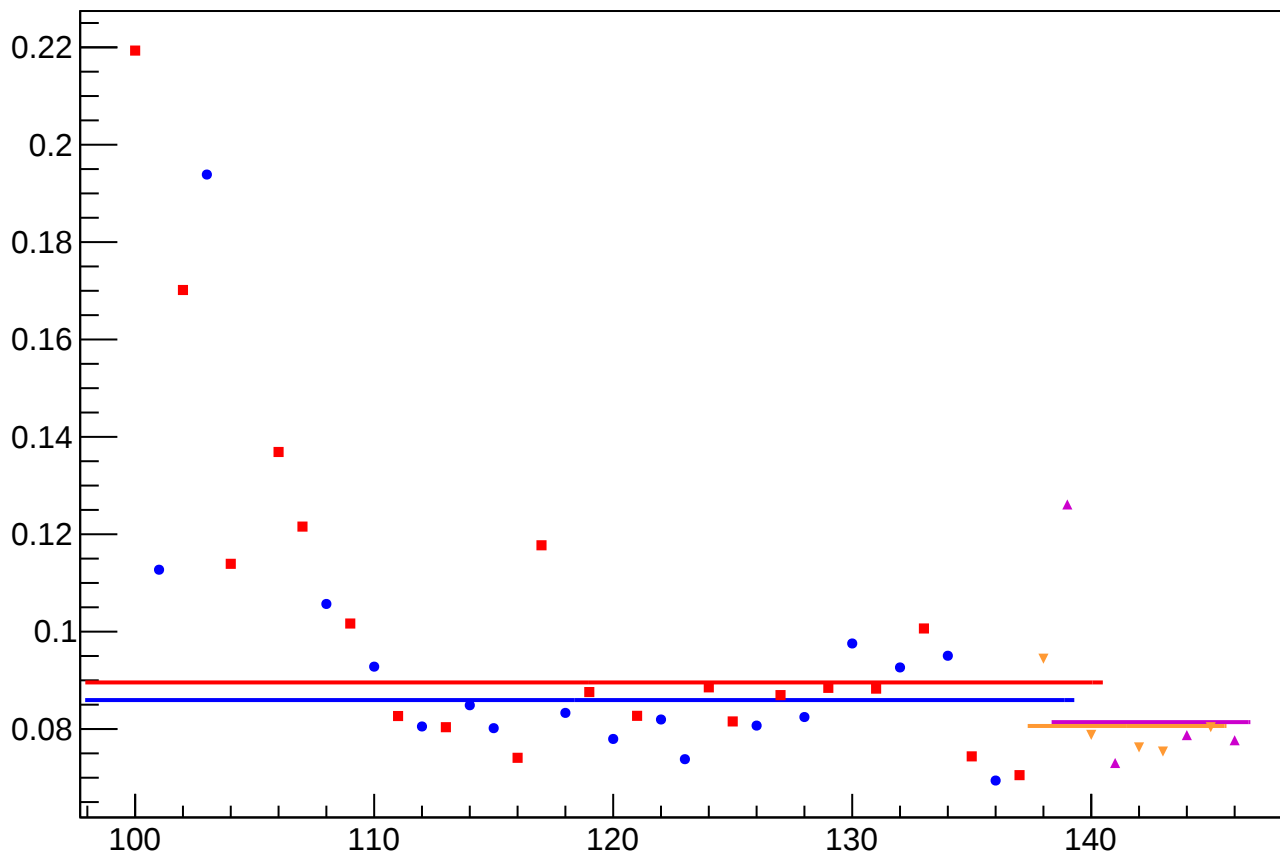
Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

Left In: 30.801+/-0.000 χ^2/NDF : 502078429.6/3

31.479+/-0.000 χ^2/NDF : 2260814199.9/21

31.677+/-0.000 χ^2/NDF : 1468338298.6/23

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.081+/-0.000 χ^2/NDF : 36983.4/4

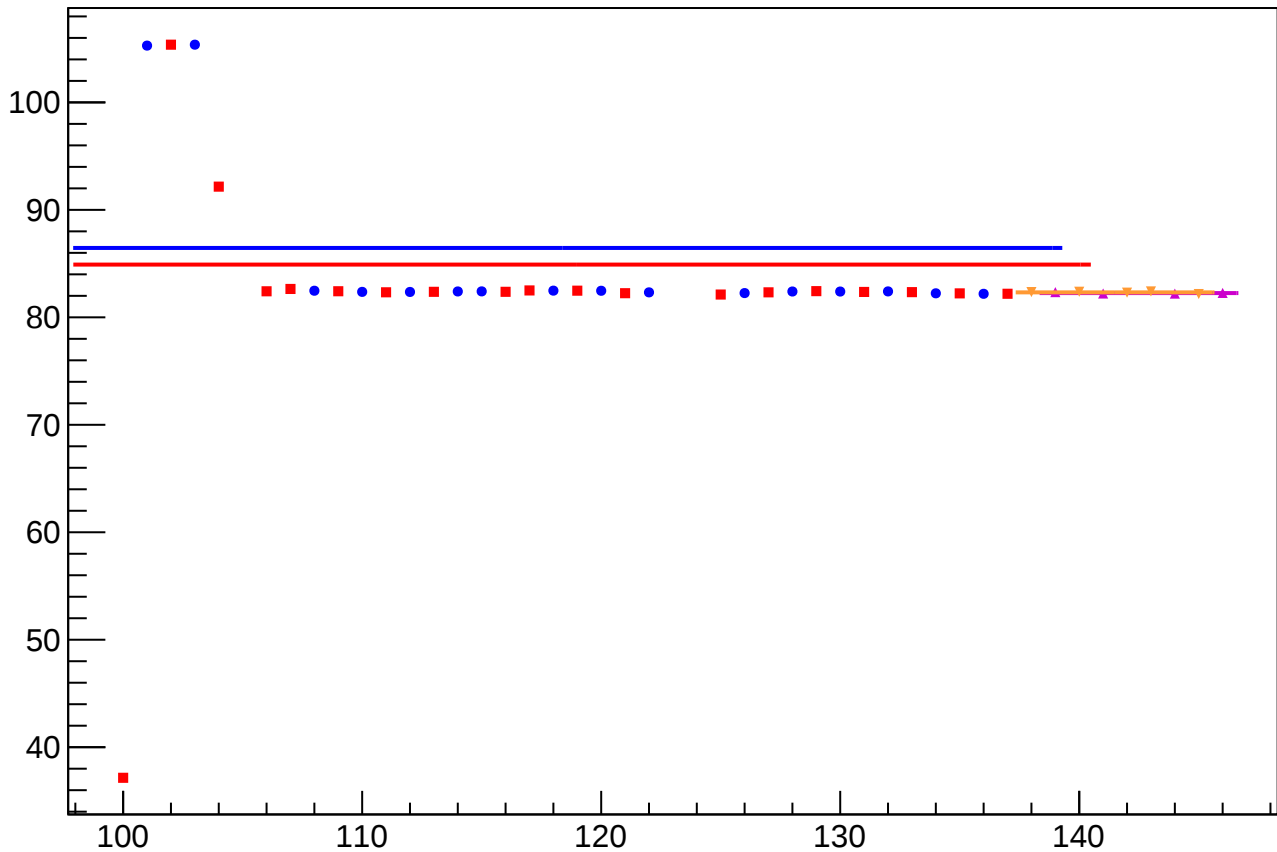
Right Out: 0.090+/-0.000 χ^2/NDF : 544516.7/19

Left In: 0.081+/-0.000 χ^2/NDF : 202252.6/3

0.084+/-0.000 χ^2/NDF : 606436.1/21

0.087+/-0.000 χ^2/NDF : 783688.3/23

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.323+/-0.000 χ^2/NDF : 13708970.2/4

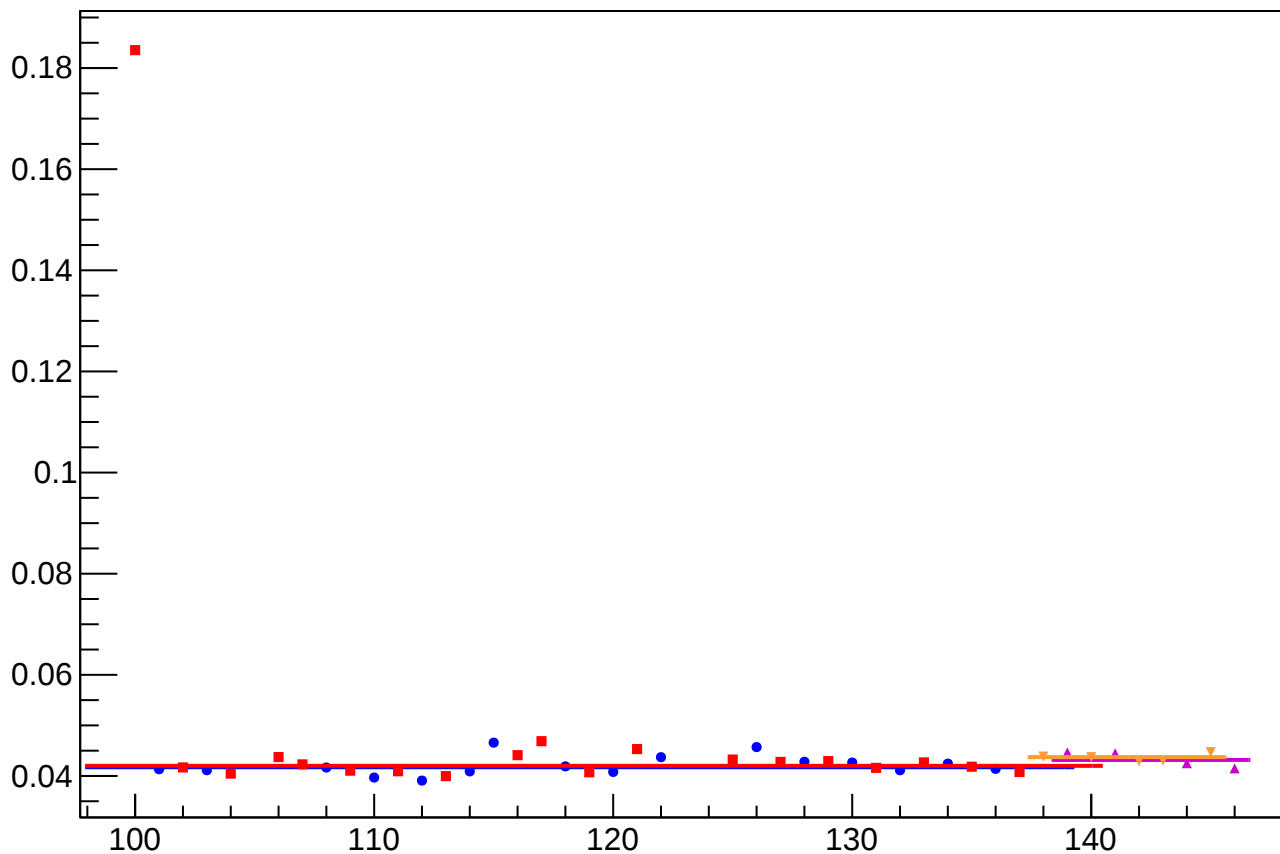
Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

Left In: 82.257+/-0.000 χ^2/NDF : 4731358.8/3

85.147+/-0.000 χ^2/NDF : 311841973269.0/20

84.101+/-0.000 χ^2/NDF : 180709600402.3/22

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.044+/-0.000 χ^2/NDF :1348.6/4

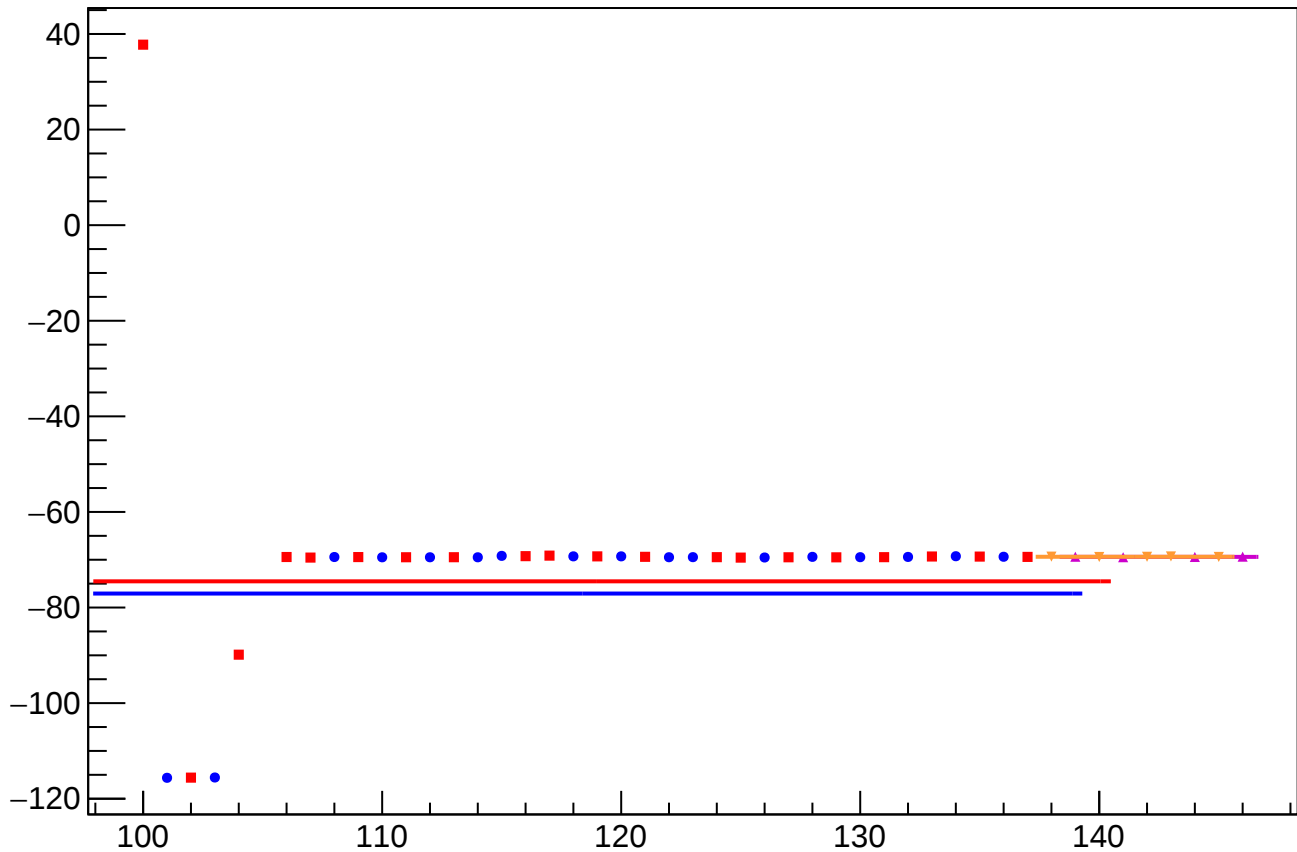
Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

Left In: 0.043+/-0.000 χ^2/NDF :6021.7/3

0.042+/-0.000 χ^2/NDF : 29721.7/20

0.042+/-0.000 χ^2/NDF : 107043.7/22

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.378+/-0.000 χ^2/NDF : 1699336.9/4

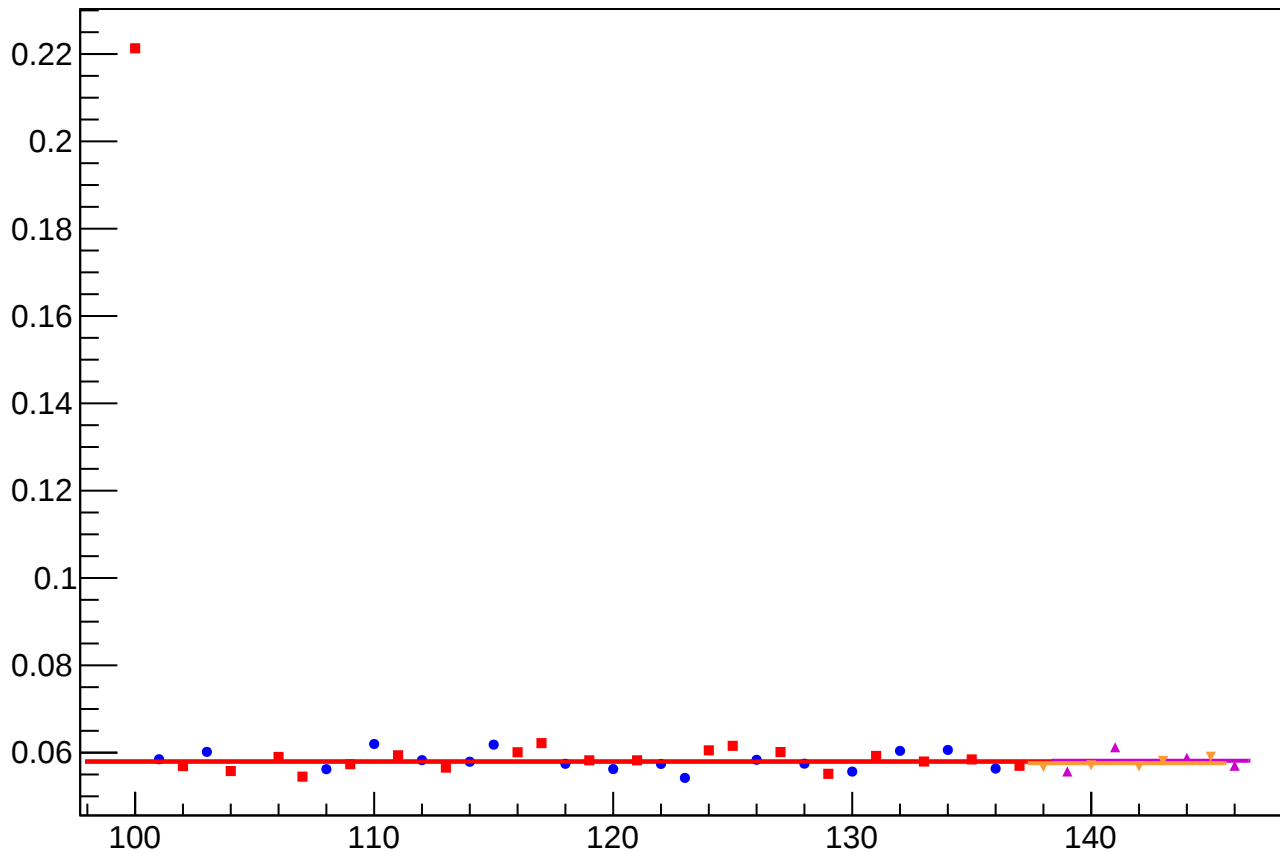
Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

Left In: -69.401+/-0.000 χ^2/NDF : 1879180.3/3

-74.462+/-0.000 χ^2/NDF : 603890480597.7/21

-72.929+/-0.000 χ^2/NDF : 388908006798.4/23

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.058+/-0.000 χ^2/NDF : 1654.2/4

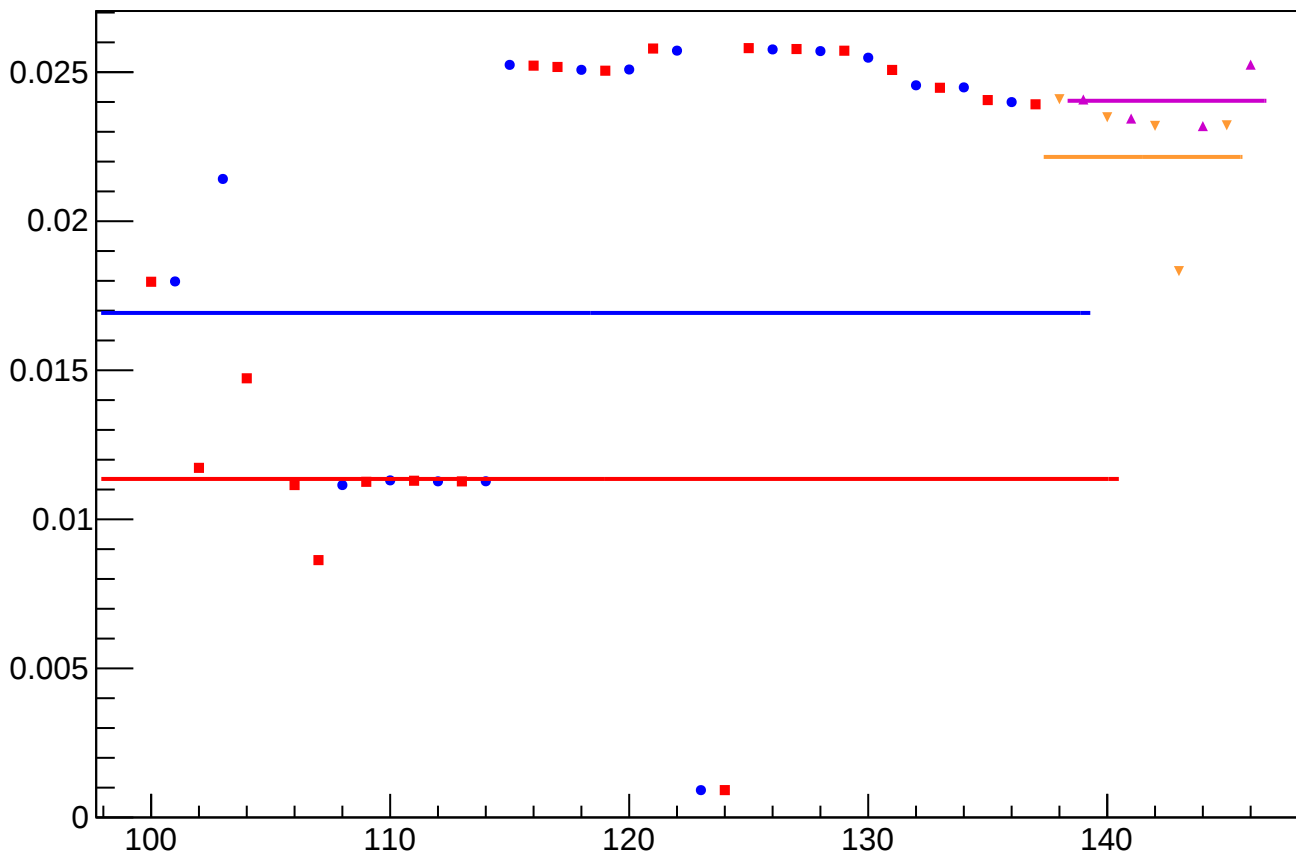
Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

Left In: 0.058+/-0.000 χ^2/NDF : 7714.6/3

0.058+/-0.000 χ^2/NDF : 14120.8/21

0.058+/-0.000 χ^2/NDF : 94617.8/23

yield_atl1_mean vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 126447785006.7/16

Left Out: 0.022+/-0.000 χ^2/NDF : 2933753172.8/4

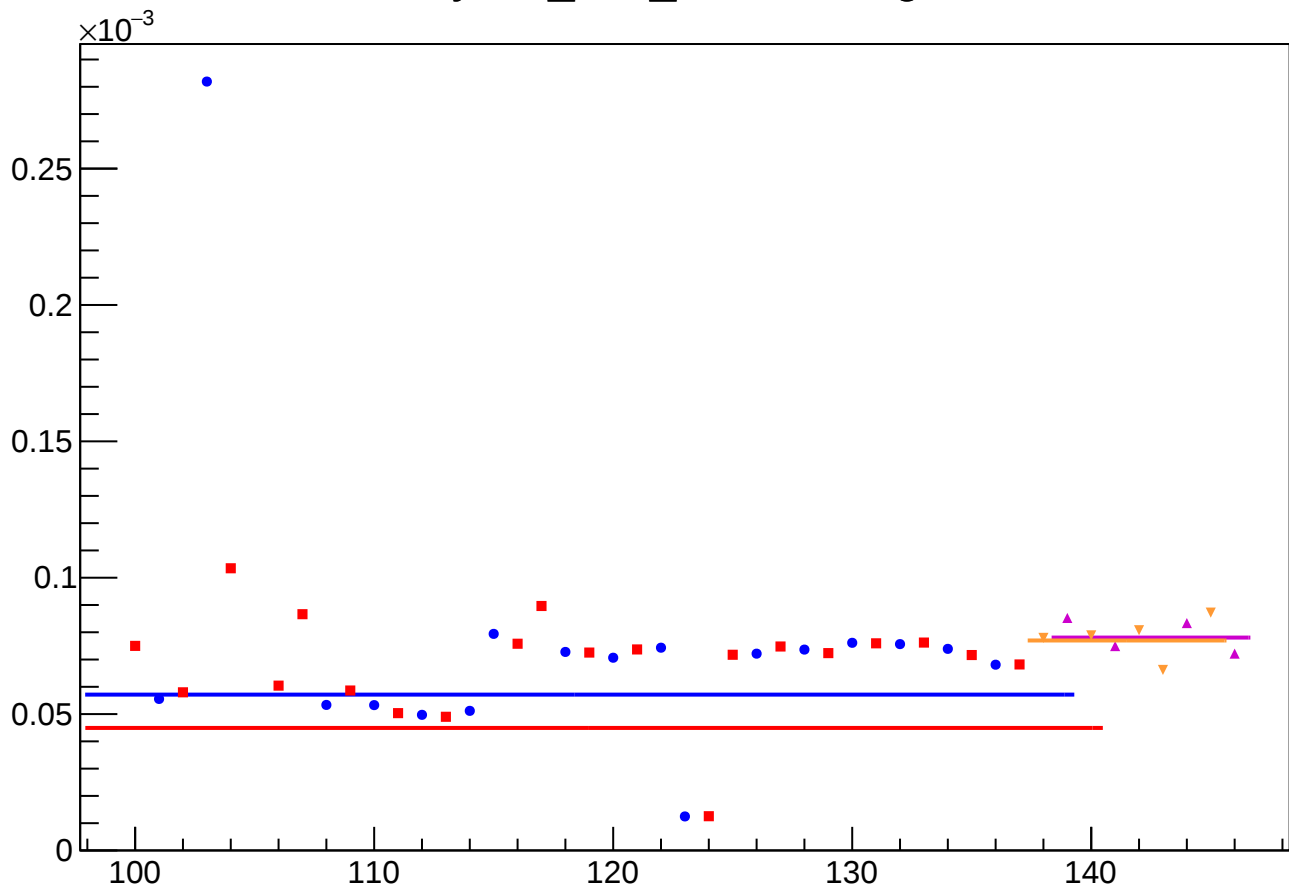
Right Out: 0.011+/-0.000 χ^2/NDF : 235754579473.9/19

Left In: 0.024+/-0.000 χ^2/NDF : 360039507.7/3

0.018+/-0.000 χ^2/NDF : 140516611672.2/21

0.014+/-0.000 χ^2/NDF : 304116842123.0/23

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 :56465.9/4

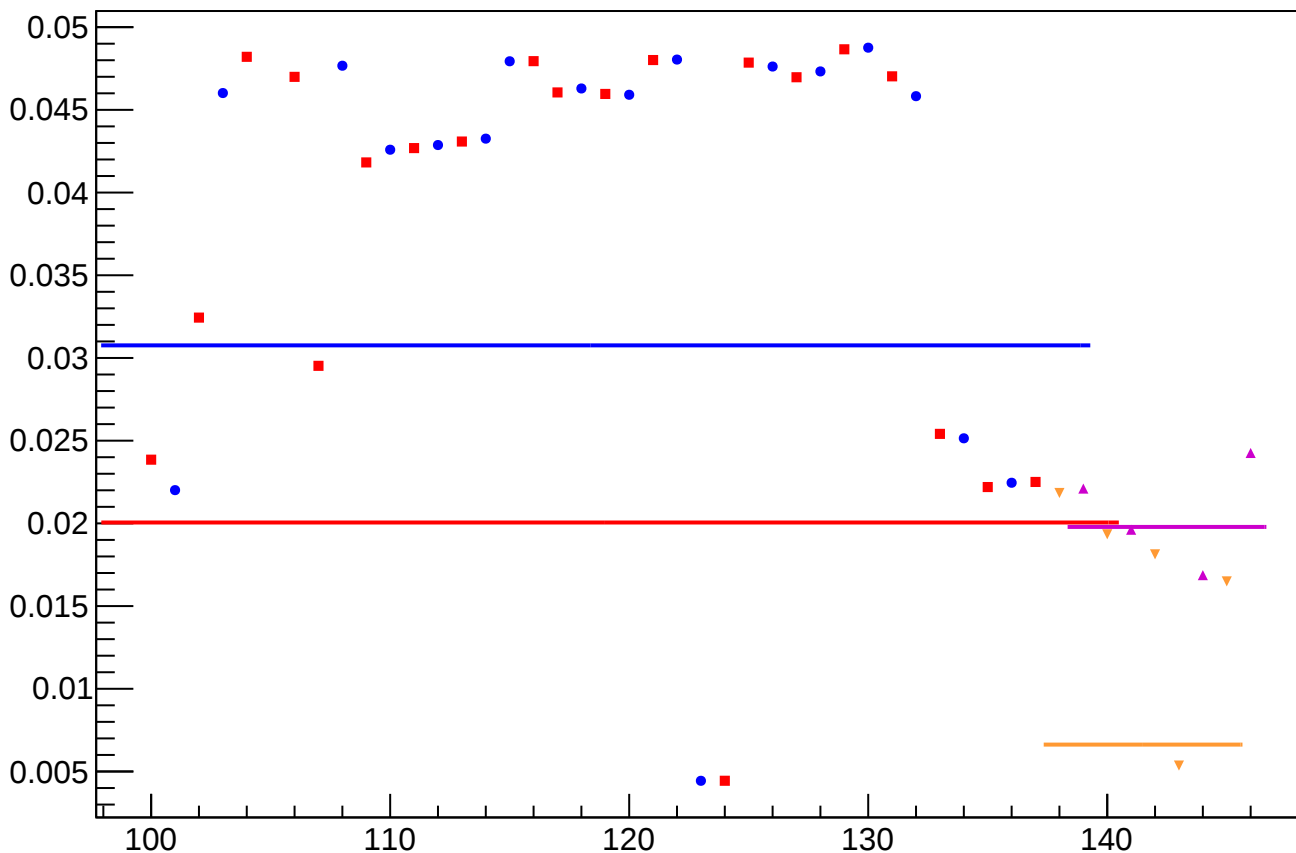
Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

Left In: 0.000+/-0.000 χ^2/NDF :30165.2/3

0.000+/-0.000 χ^2/NDF : 2377307.8/21

0.000+/-0.000 χ^2/NDF : 4570961.9/23

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :5807061611.4/4

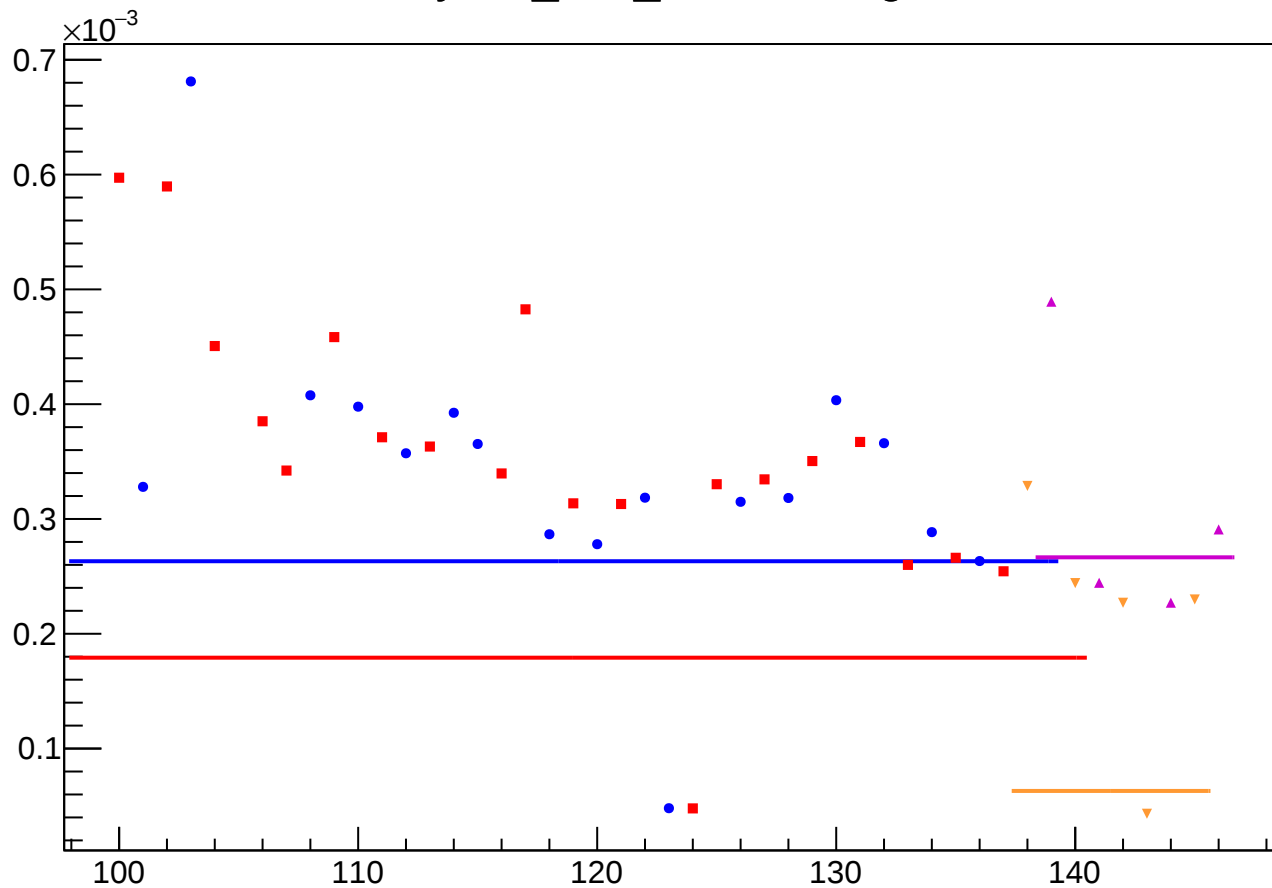
0.010+/-0.000 χ^2/NDF : 61700546541.9/21

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

0.020+/-0.000 χ^2/NDF : 40455146999.4/23

Left In: 0.020+/-0.000 χ^2/NDF :319370935.6/3

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 :2889355.2/4

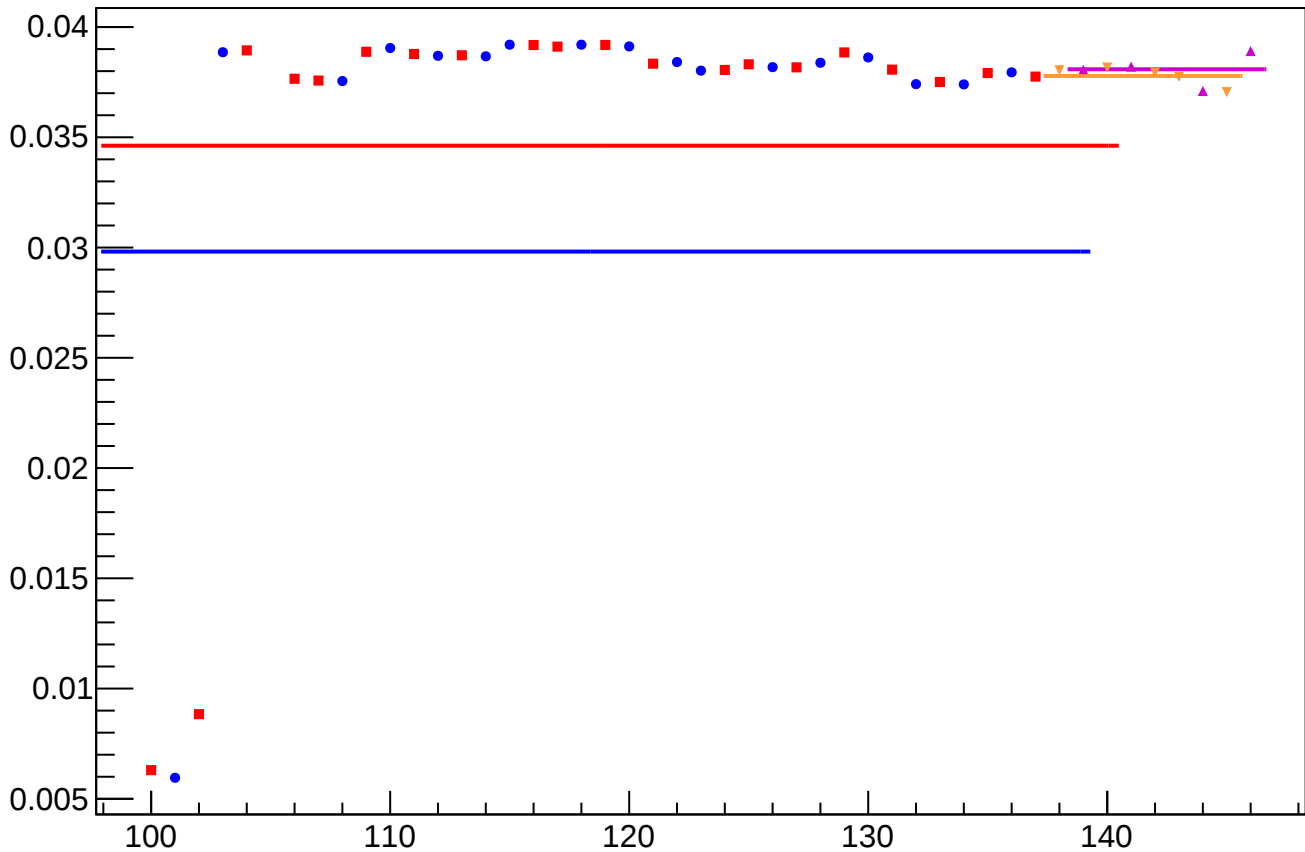
Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

Left In: 0.000+/-0.000 χ^2/NDF :360081.6/3

0.000+/-0.000 χ^2/NDF : 10063263.2/21

0.000+/-0.000 χ^2/NDF : 6181704.0/23

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.038+/-0.000 χ^2/NDF : 25769537.6/4

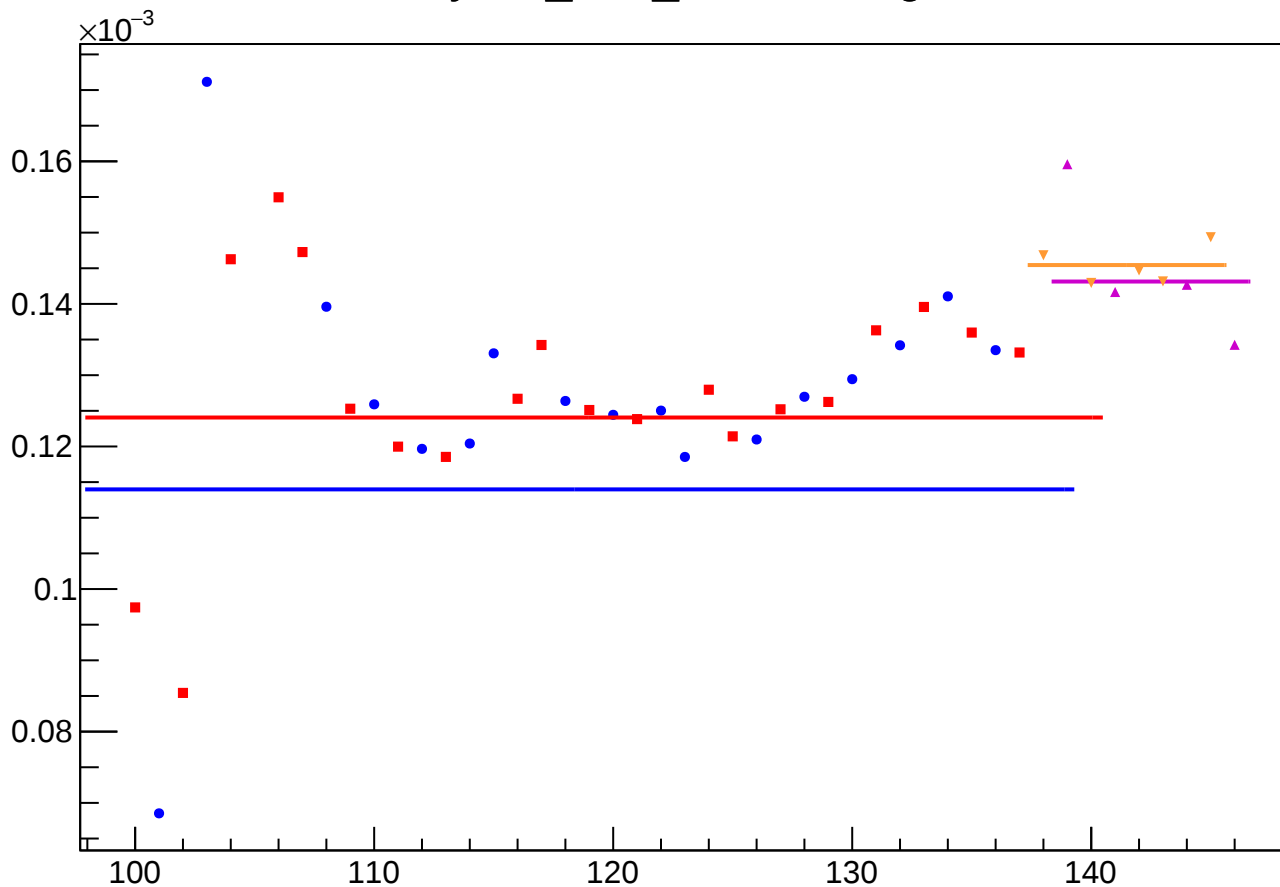
0.032+/-0.000 χ^2/NDF : 104453535104.0/21

Right Out: 0.035+/-0.000 χ^2/NDF : 43717644957.2/19

0.036+/-0.000 χ^2/NDF : 45139806612.3/23

Left In: 0.038+/-0.000 χ^2/NDF : 69574072.1/3

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :1925.5/4

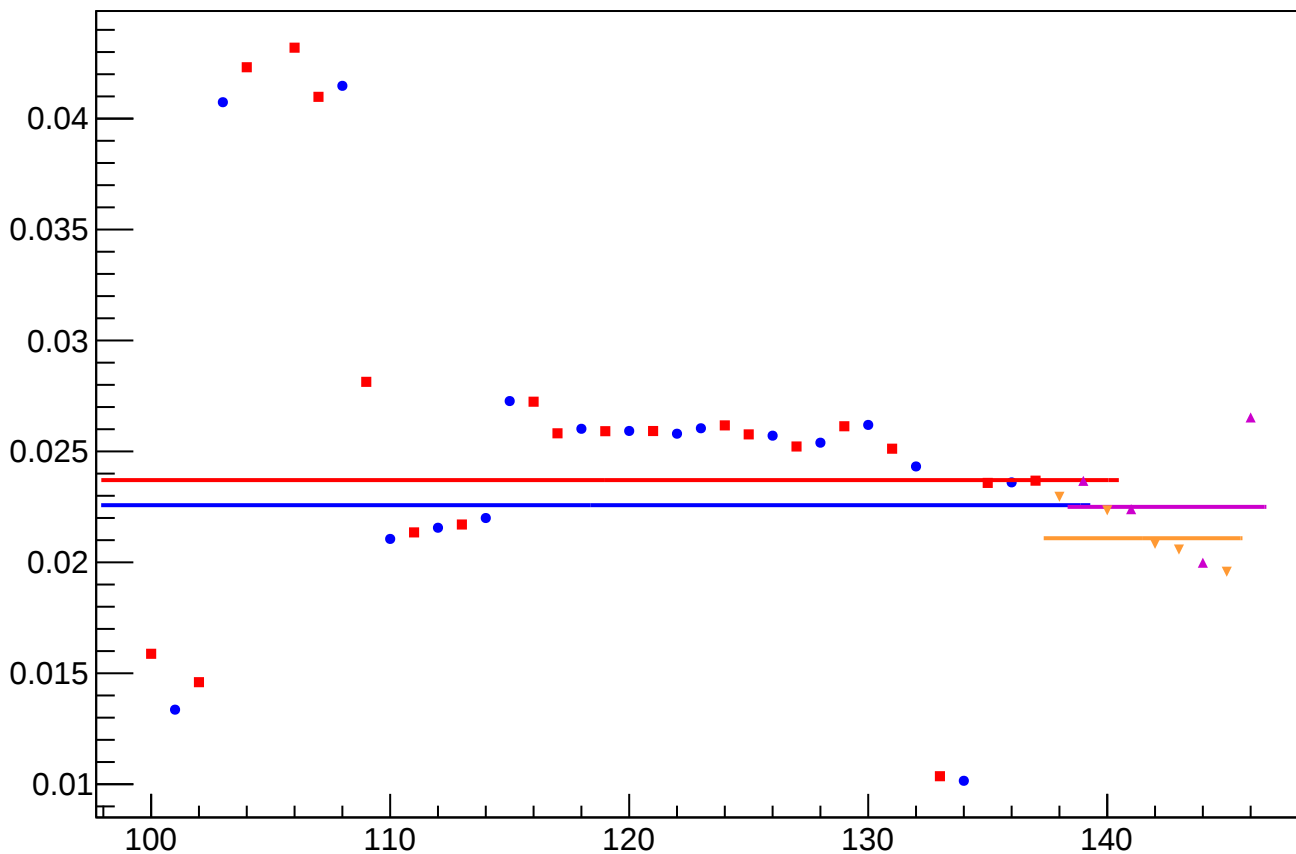
Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

Left In: 0.000+/-0.000 χ^2/NDF :22205.9/3

0.000+/-0.000 χ^2/NDF : 1023653.4/21

0.000+/-0.000 χ^2/NDF : 349763.3/23

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.021+/-0.000 χ^2/NDF : 77981570.8/4

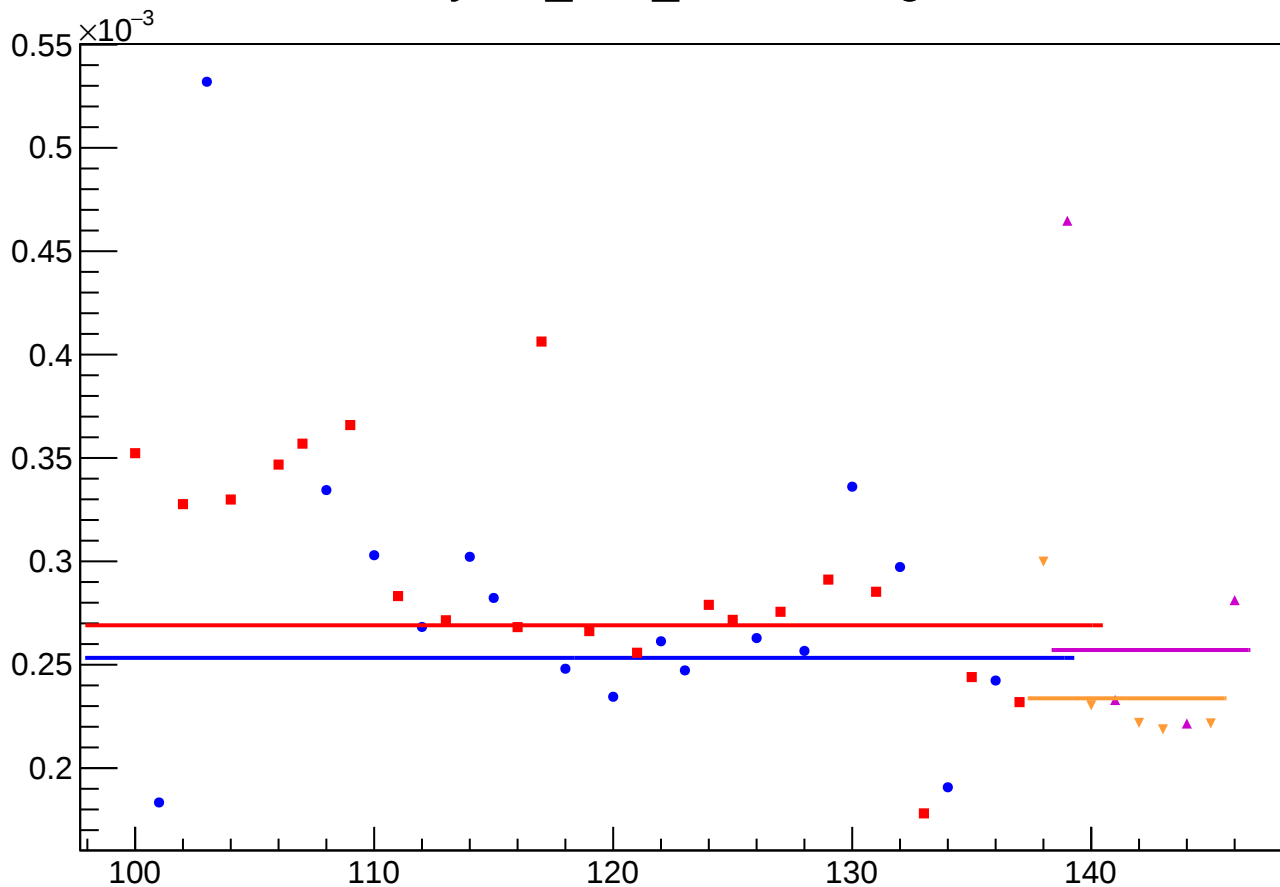
Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

Left In: 0.023+/-0.000 χ^2/NDF : 258418639.5/3

0.022+/-0.000 χ^2/NDF : 4398444694.5/21

0.023+/-0.000 χ^2/NDF : 5952149205.7/23

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 : 73090.5/4

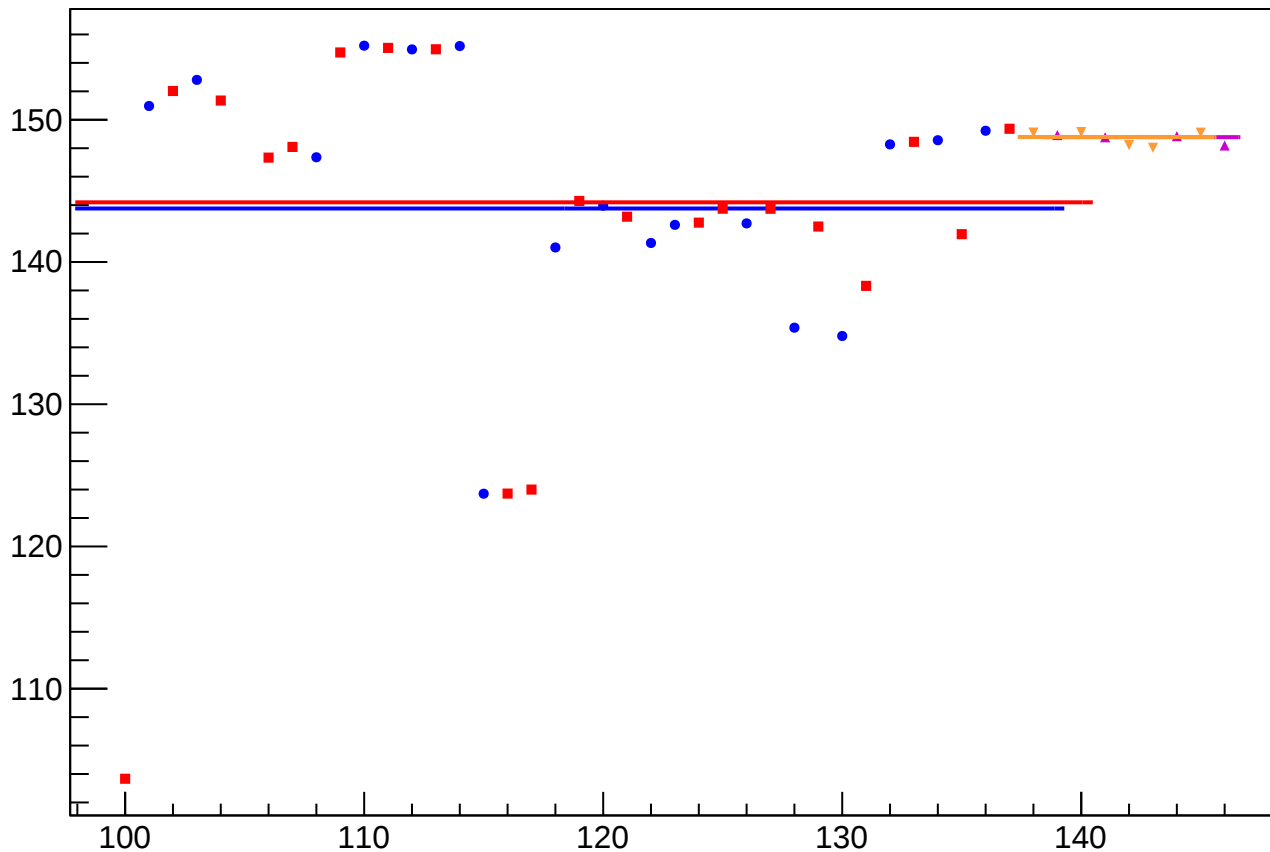
Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

Left In: 0.000+/-0.000 χ^2/NDF : 347282.3/3

0.000+/-0.000 χ^2/NDF : 727318.6/21

0.000+/-0.000 χ^2/NDF : 793092.4/23

yield_bcm_an_ds_mean vs Slug



Right In: 143.763 ± 0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.790 ± 0.000 χ^2/NDF : 7091630.3/4

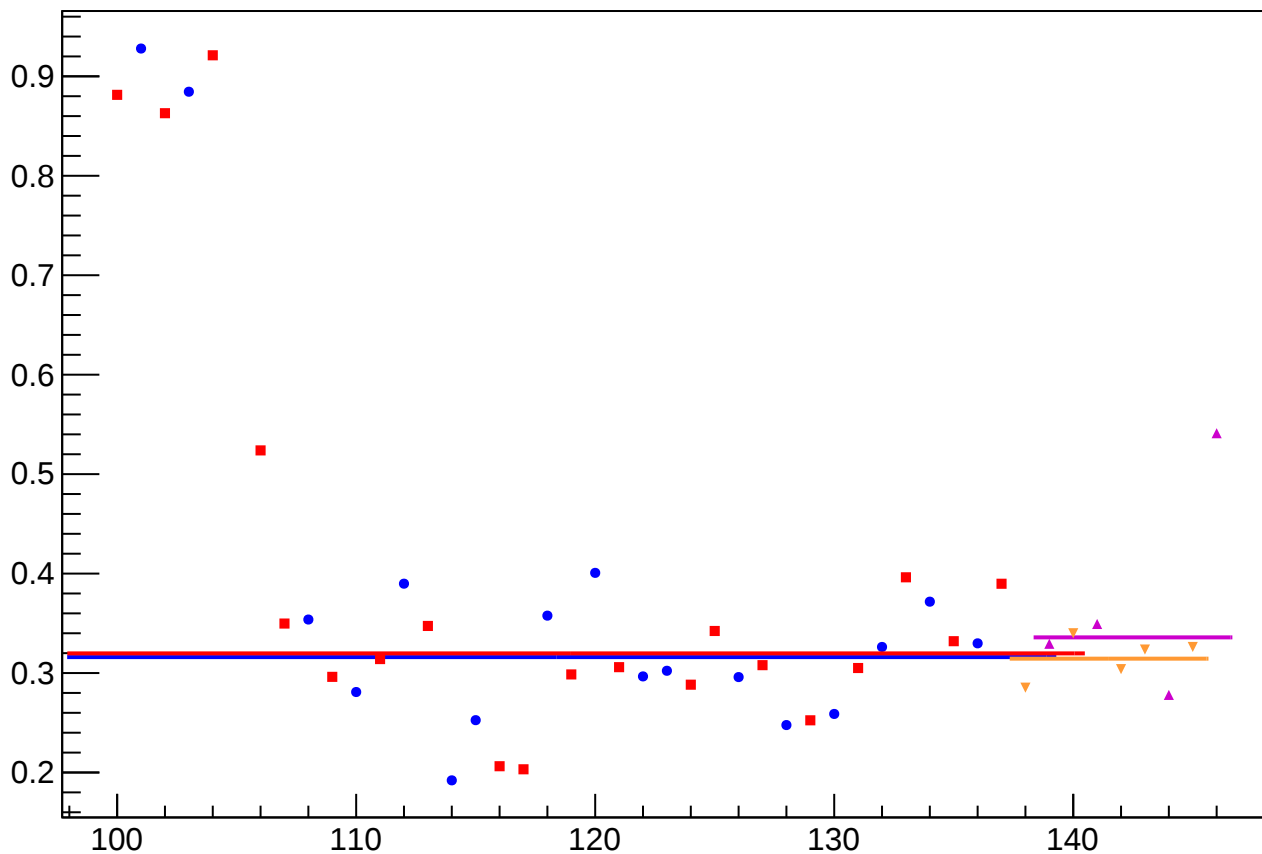
Right Out: 144.197 ± 0.000 χ^2/NDF : 4523139755.0/19

Left In: 148.780 ± 0.000 χ^2/NDF : 1144660.0/3

145.616 ± 0.000 χ^2/NDF : 4060046146.4/21

145.646 ± 0.000 χ^2/NDF : 4906152625.8/23

yield_bcm_an_ds_rms vs Slug



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.314+/-0.000 χ^2/NDF : 27505.0/4

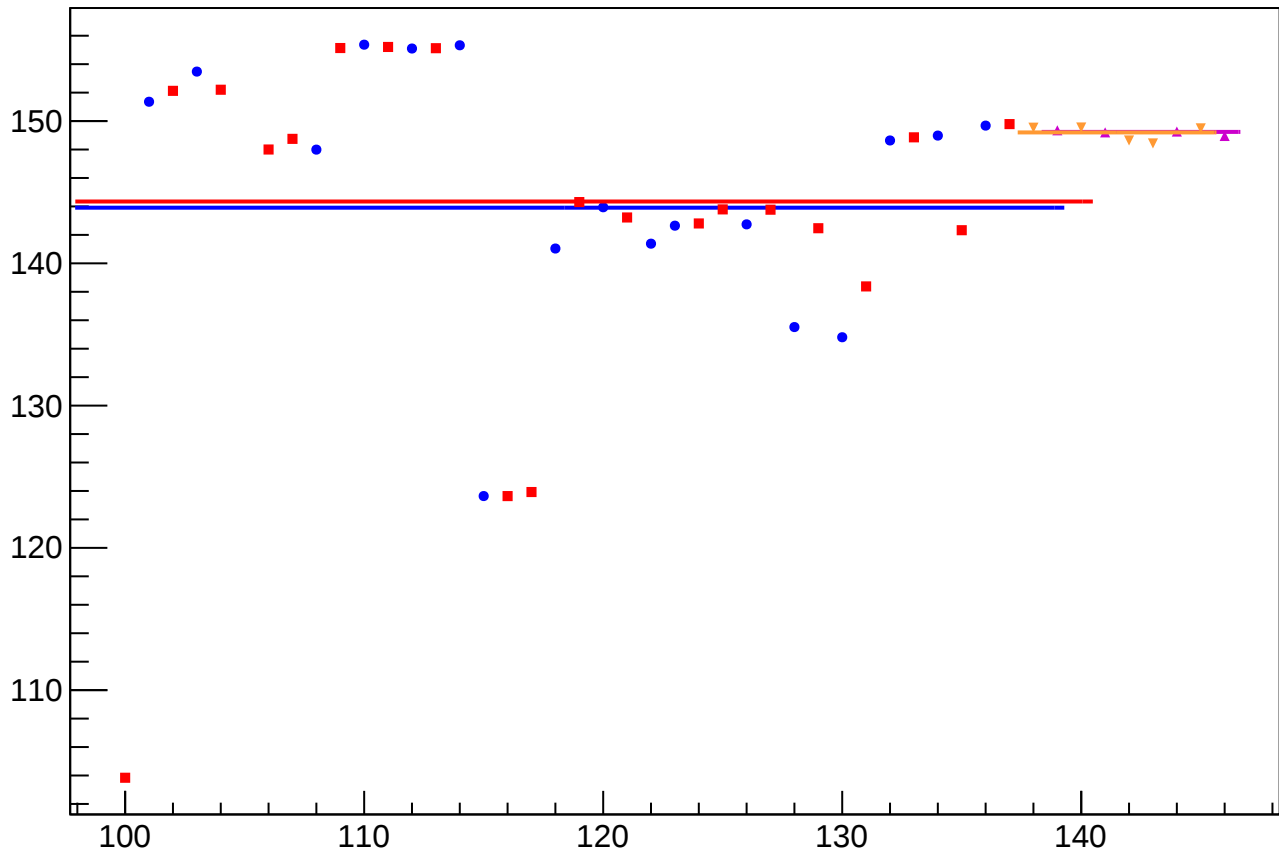
Right Out: 0.320+/-0.000 χ^2/NDF : 1241752.3/19

Left In: 0.336+/-0.000 χ^2/NDF : 306239.5/3

0.315+/-0.000 χ^2/NDF : 1293527.4/21

0.325+/-0.000 χ^2/NDF : 1557411.3/23

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 149.202 $\pm$ 0.000 χ^2 /NDF: 7173434.5/4

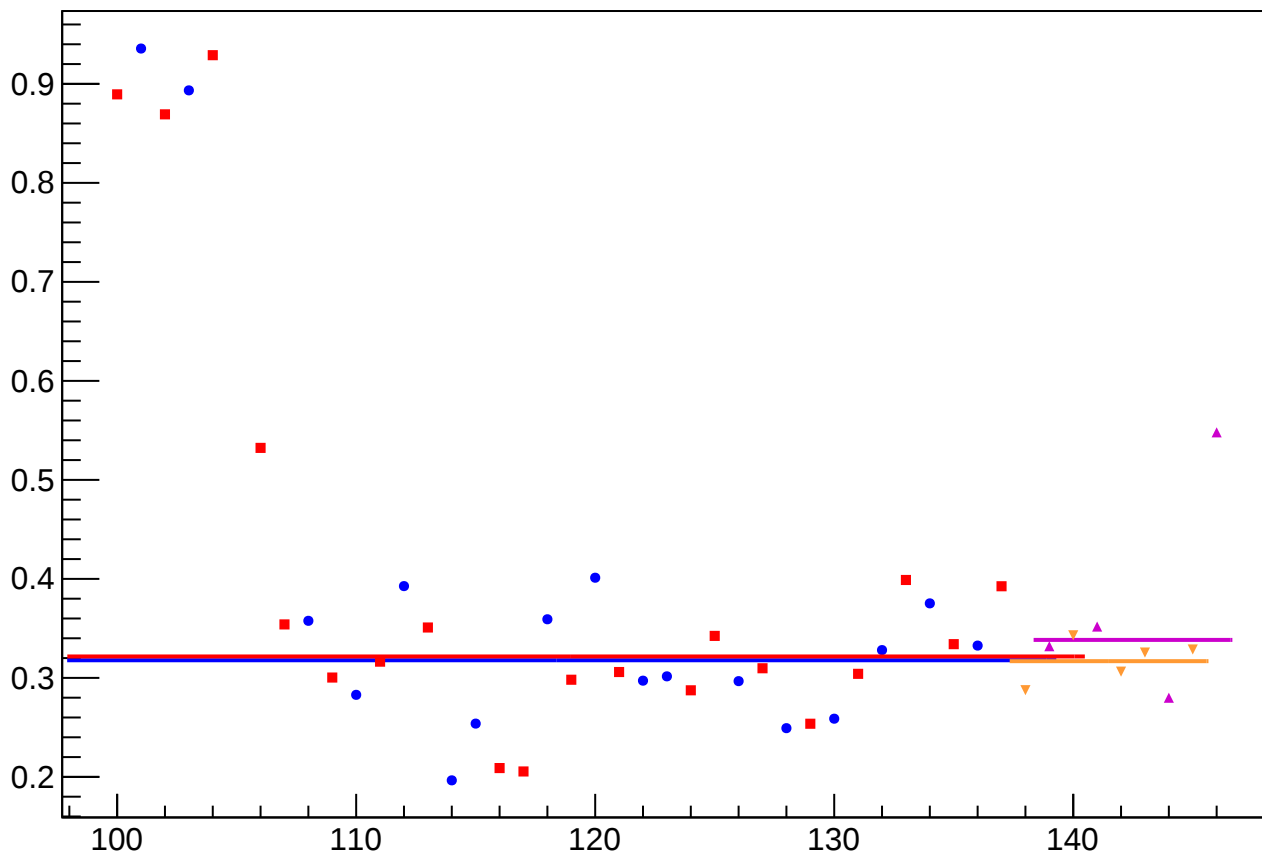
145.858 $\pm$ 0.000 χ^2 /NDF: 4160945322.5/21

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

145.889 $\pm$ 0.000 χ^2 /NDF: 4979792163.2/23

Left In: 149.239 $\pm$ 0.000 χ^2 /NDF: 313155.0/3

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.317+/-0.000 χ^2/NDF : 27533.6/4

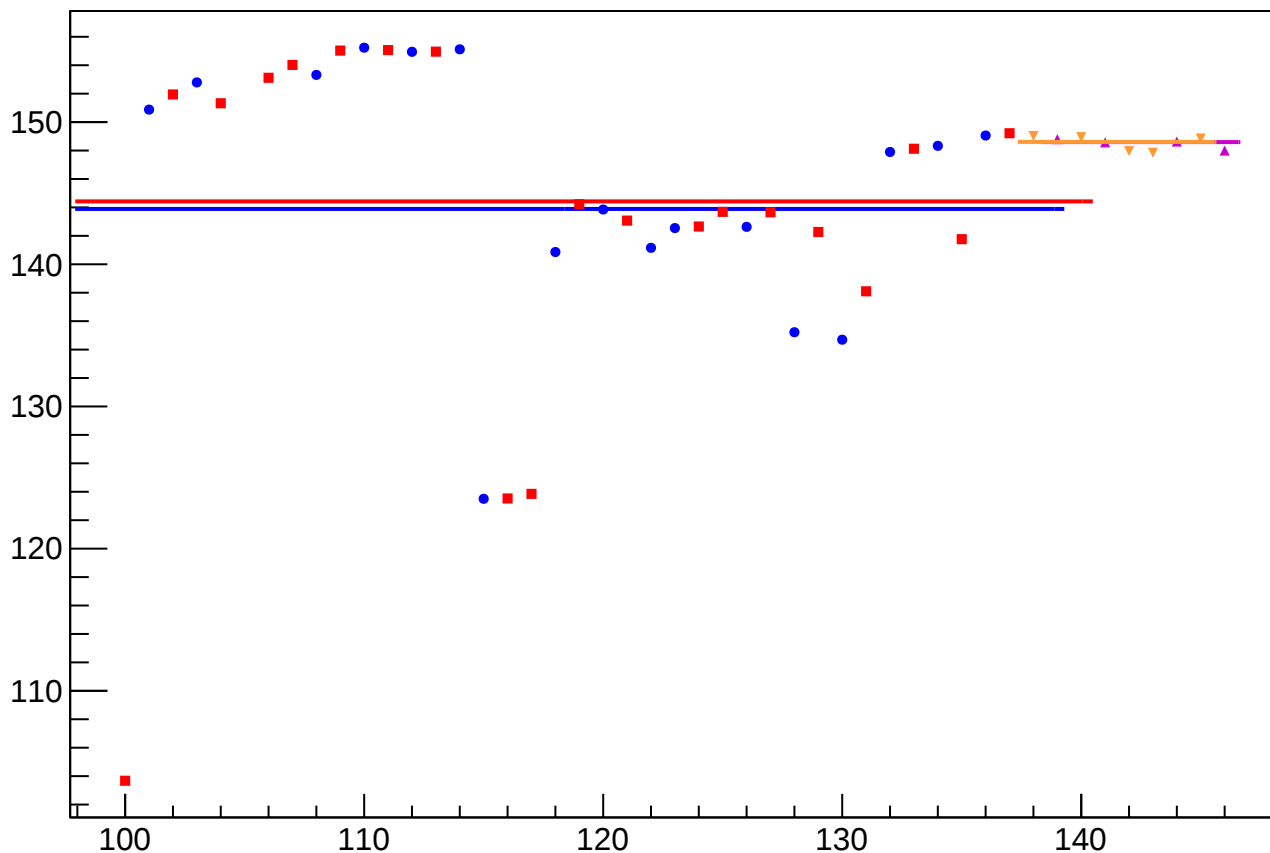
Right Out: 0.322+/-0.000 χ^2/NDF : 1244304.0/19

Left In: 0.338+/-0.000 χ^2/NDF : 310484.4/3

0.317+/-0.000 χ^2/NDF : 1295825.3/21

0.327+/-0.000 χ^2/NDF : 1564821.8/23

yield_bcm_an_us_mean vs Slug



Right In: 143.893 ± 0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.607 ± 0.000 χ^2/NDF : 7938262.6/4

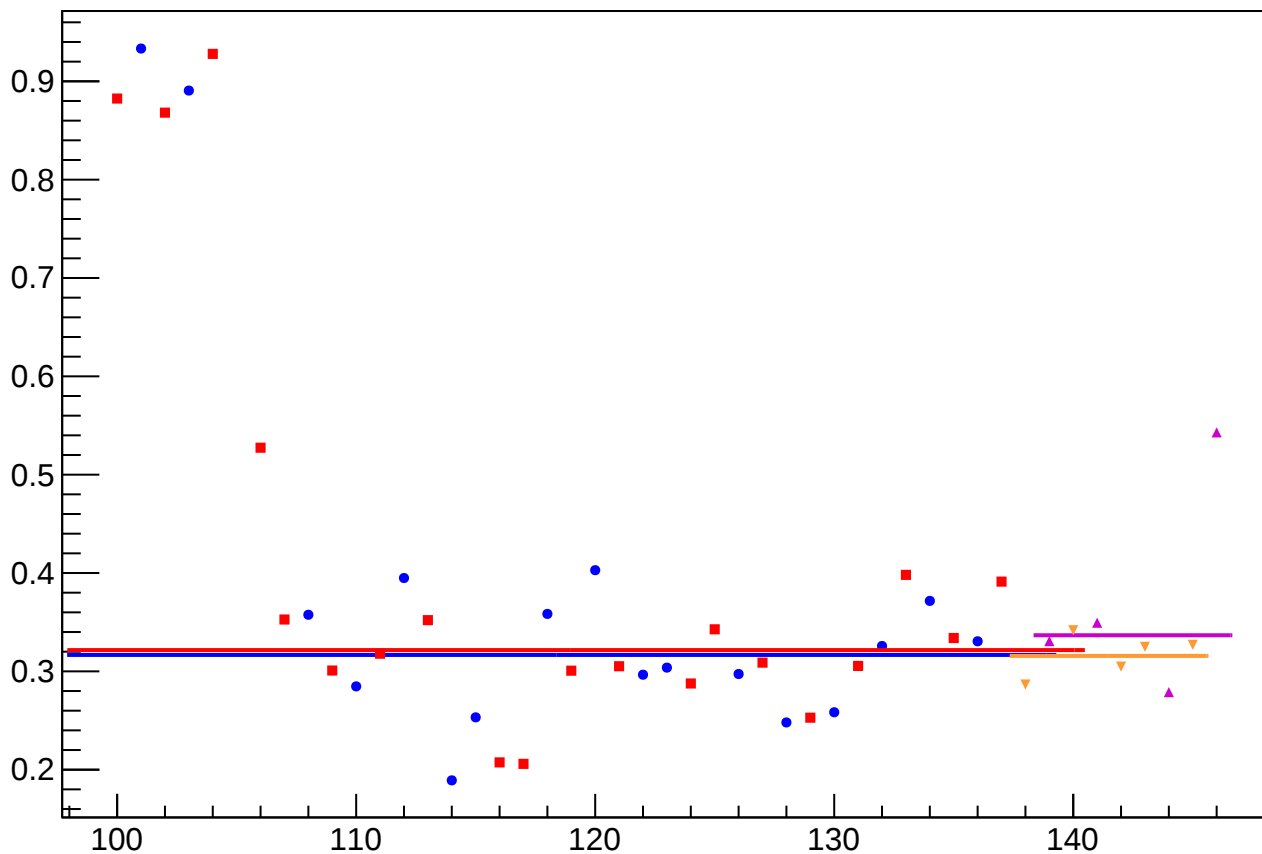
Right Out: 144.423 ± 0.000 χ^2/NDF : 4819194675.6/19

Left In: 148.595 ± 0.000 χ^2/NDF : 1275171.5/3

145.629 ± 0.000 χ^2/NDF : 4212878214.6/21

145.748 ± 0.000 χ^2/NDF : 5134645213.5/23

yield_bcm_an_us_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.316+/-0.000 χ^2/NDF : 27501.5/4

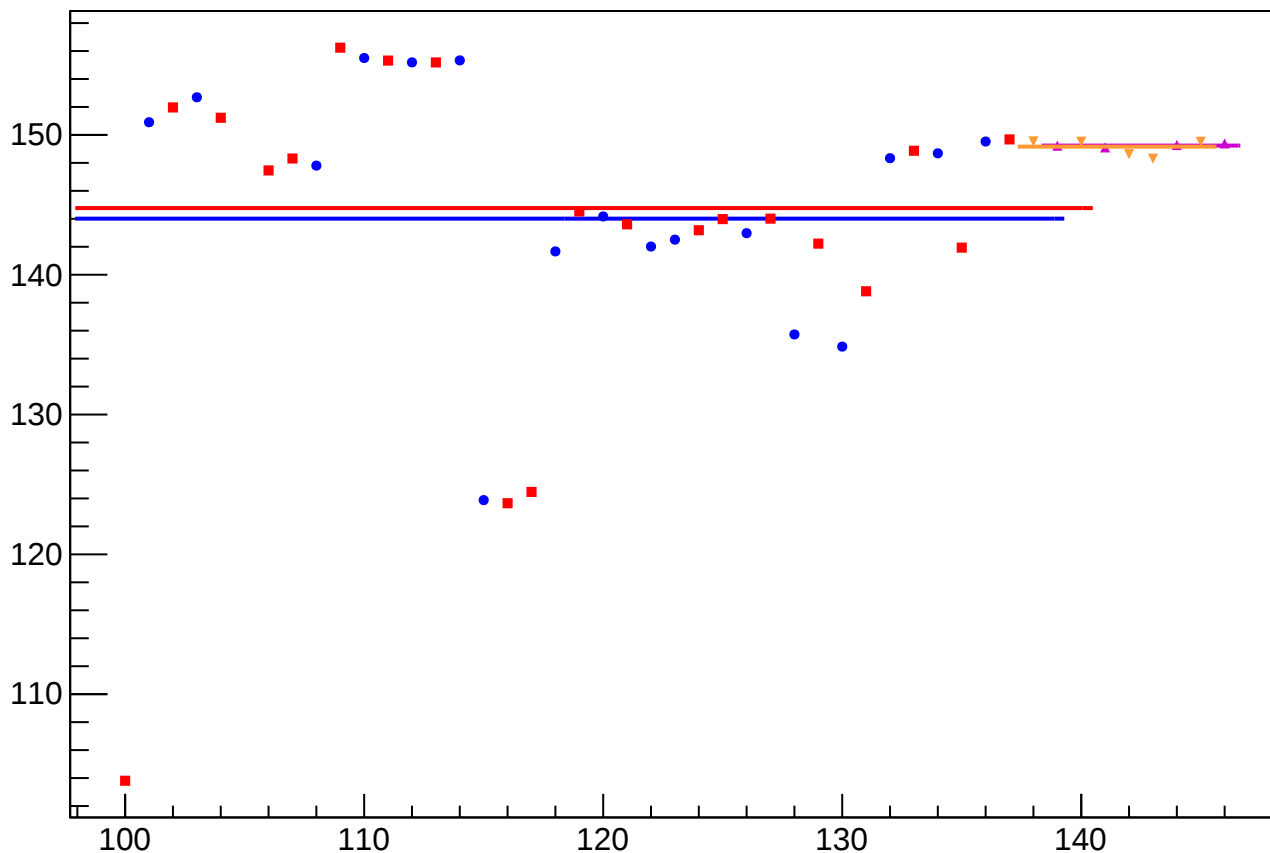
Right Out: 0.322+/-0.000 χ^2/NDF : 1244671.1/19

Left In: 0.337+/-0.000 χ^2/NDF : 306268.1/3

0.316+/-0.000 χ^2/NDF : 1307899.6/21

0.326+/-0.000 χ^2/NDF : 1559166.8/23

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 149.163 $\pm$ 0.000 χ^2 /NDF: 7531527.5/4

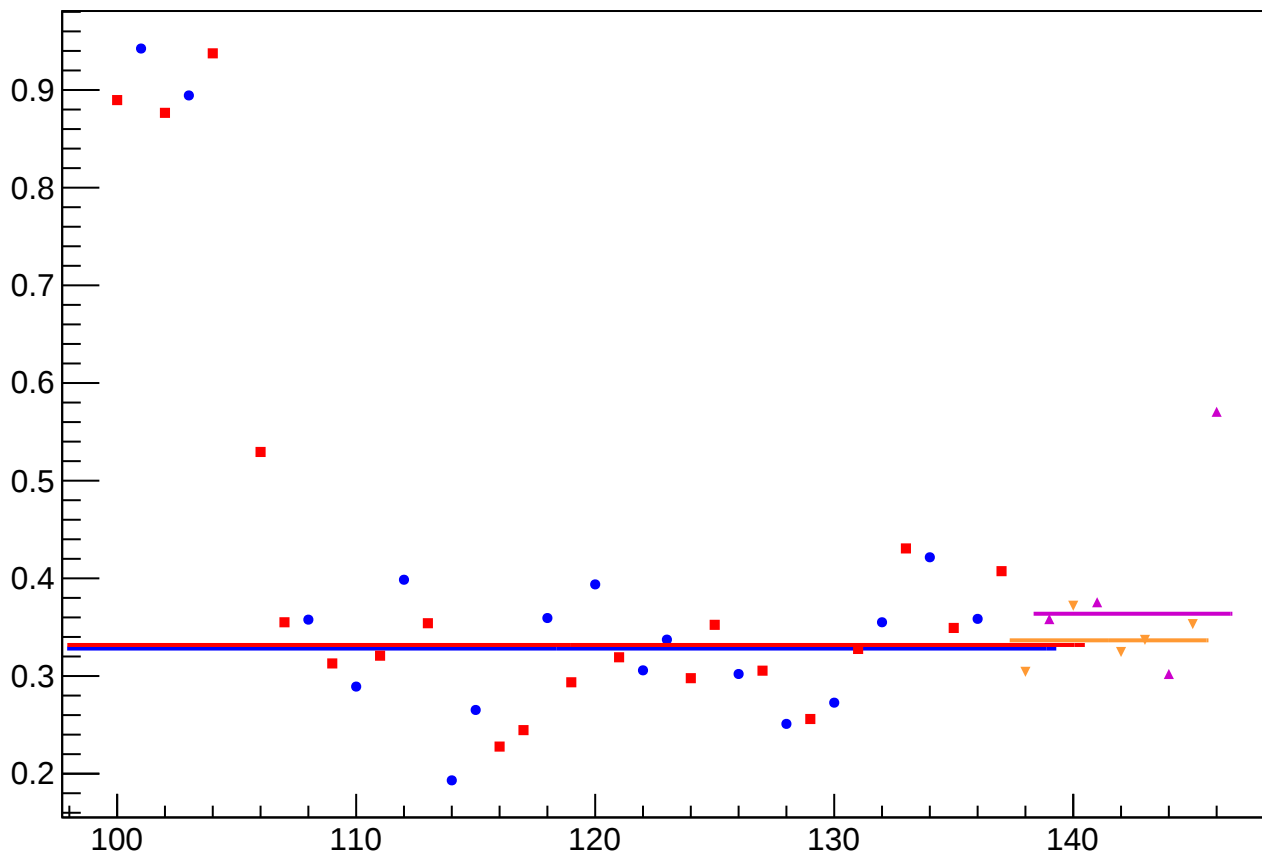
Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

Left In: 149.237 $\pm$ 0.000 χ^2 /NDF: 172333.0/3

145.830 $\pm$ 0.000 χ^2 /NDF: 3729679396.2/21

146.094 $\pm$ 0.000 χ^2 /NDF: 4414290909.6/23

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 $\pm$ 0.000 χ^2 /NDF: 1265892.9/16

Left Out: 0.337 $\pm$ 0.000 χ^2 /NDF: 33841.6/4

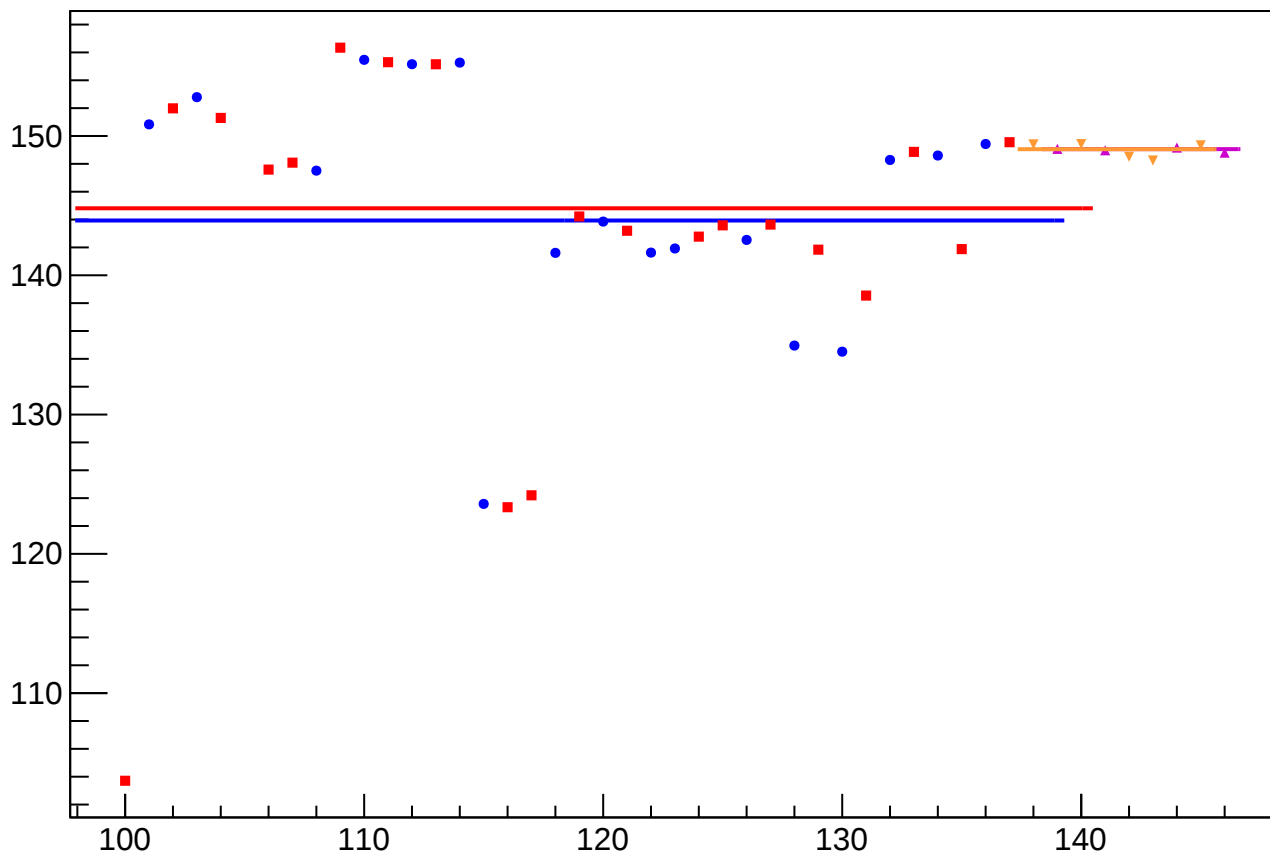
Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 1194167.8/19

Left In: 0.364 $\pm$ 0.000 χ^2 /NDF: 279914.2/3

0.331 $\pm$ 0.000 χ^2 /NDF: 1302297.7/21

0.341 $\pm$ 0.000 χ^2 /NDF: 1506495.2/23

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 149.052 $\pm$ 0.000 χ^2 /NDF: 6642507.4/4

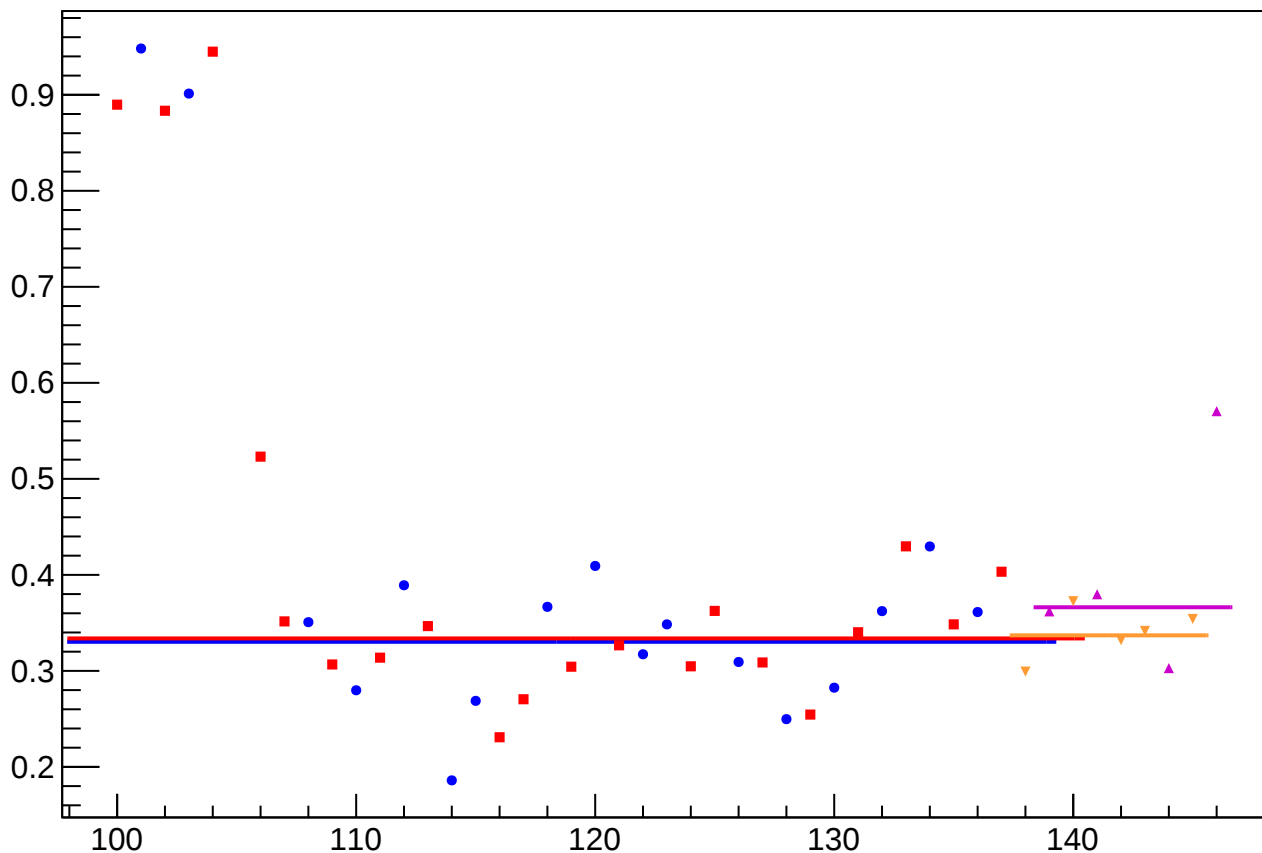
Right Out: 144.809 $\pm$ 0.000 χ^2 /NDF: 4138041955.6/19

Left In: 149.056 $\pm$ 0.000 χ^2 /NDF: 306049.5/3

145.749 $\pm$ 0.000 χ^2 /NDF: 3859000423.2/21

146.065 $\pm$ 0.000 χ^2 /NDF: 4419504800.0/23

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.337 ± 0.000 χ^2/NDF : 39653.1/4

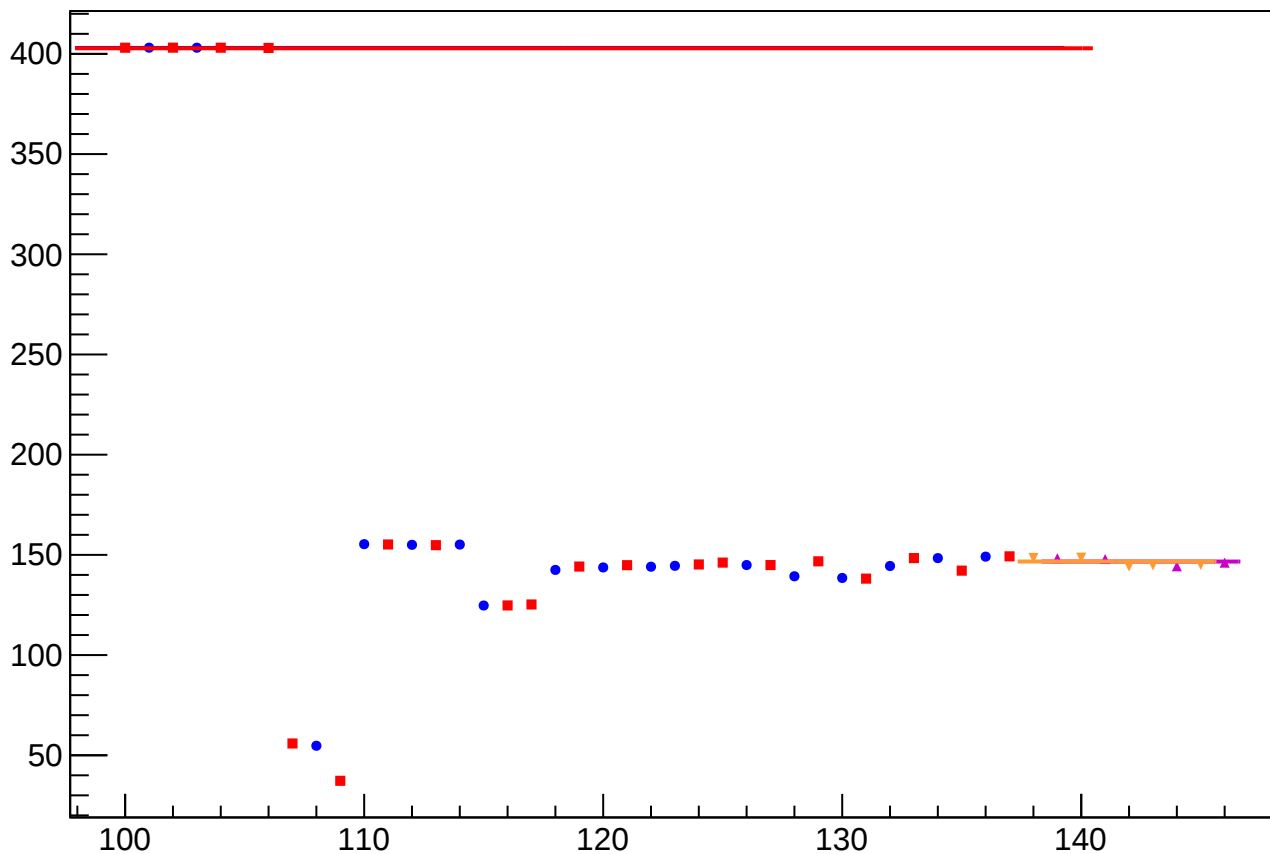
Right Out: 0.334 ± 0.000 χ^2/NDF : 1177889.1/19

Left In: 0.366 ± 0.000 χ^2/NDF : 277514.3/3

0.333 ± 0.000 χ^2/NDF : 1325218.6/21

0.343 ± 0.000 χ^2/NDF : 1488254.5/23

yield_cav4bQ_mean vs Slug



Right In: 402.958 $\pm$ 0.000 χ^2 /NDF: 1094364588383.4/16

Left Out: 146.695 $\pm$ 0.000 χ^2 /NDF: 21546837.0/4

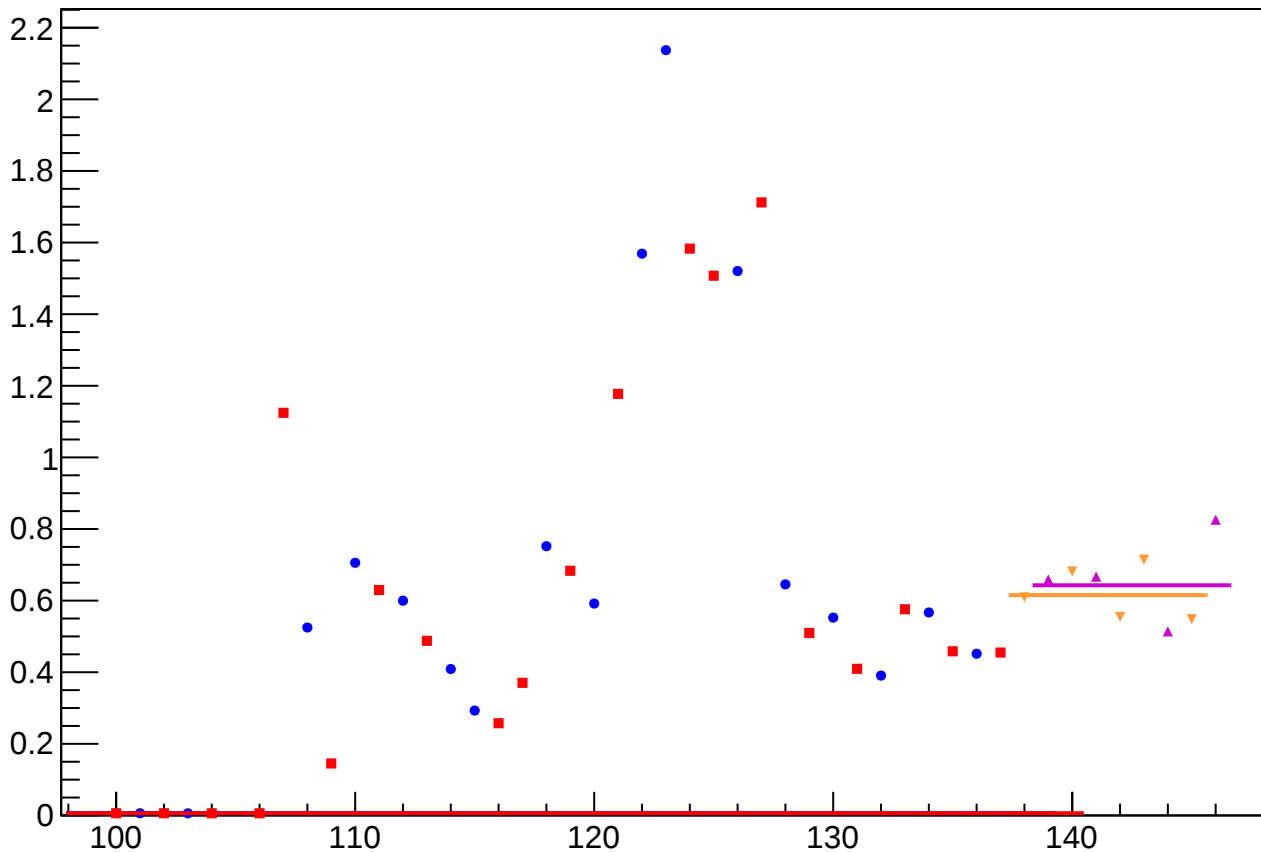
Right Out: 402.797 $\pm$ 0.000 χ^2 /NDF: 3120897866993.6/19

Left In: 146.670 $\pm$ 0.000 χ^2 /NDF: 15493187.5/3

402.909 $\pm$ 0.000 χ^2 /NDF: 1483971614033.7/23

402.758 $\pm$ 0.000 χ^2 /NDF: 3469328078123.9/23

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.615+/-0.000 χ^2/NDF :43984.5/4

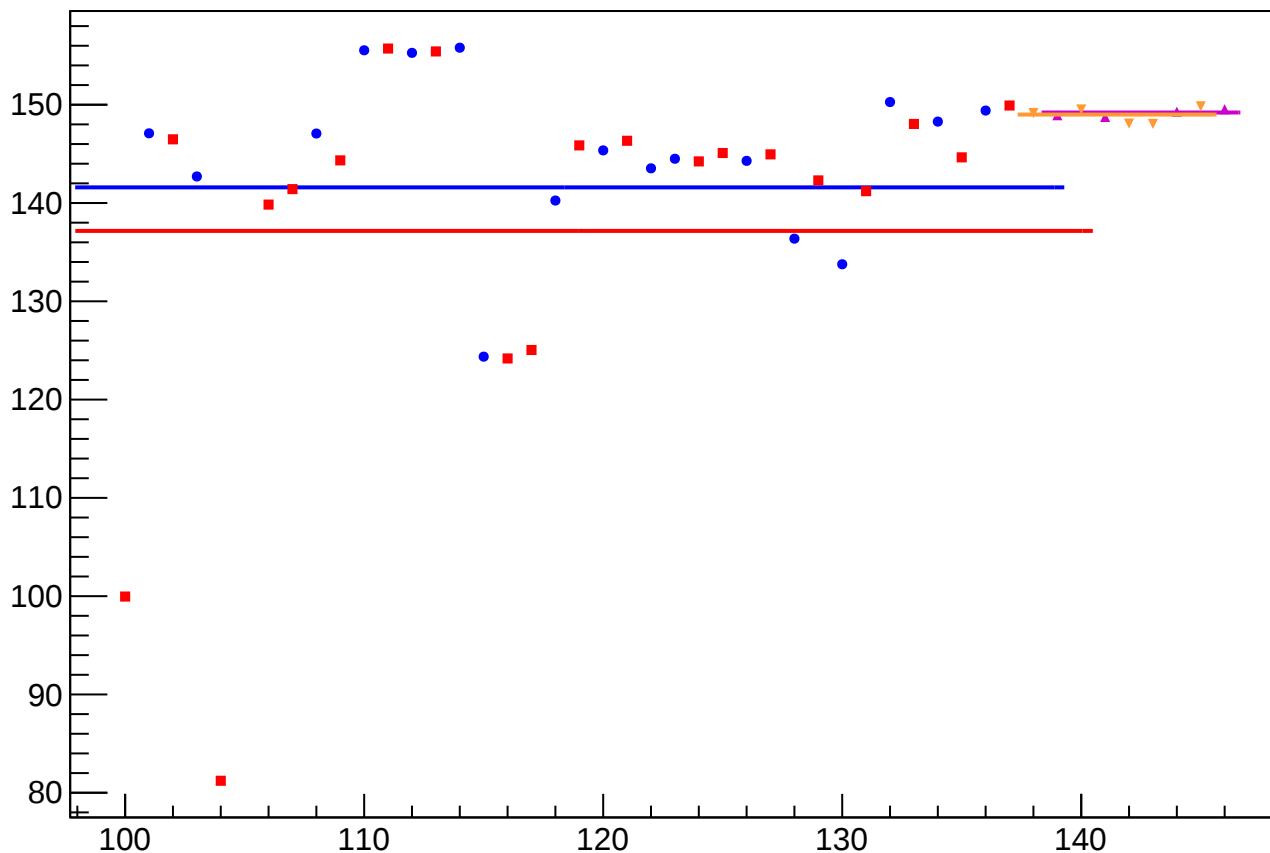
Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

Left In: 0.643+/-0.000 χ^2/NDF :110376.5/3

0.006+/-0.000 χ^2/NDF : 13524410.1/21

0.006+/-0.000 χ^2/NDF : 13671464.0/23

yield_cav4cQ_mean vs Slug



Right In: 141.593+/-0.000 χ^2/NDF : 980101868.2/16

Left Out: 149.000+/-0.000 χ^2/NDF : 6505742.3/4

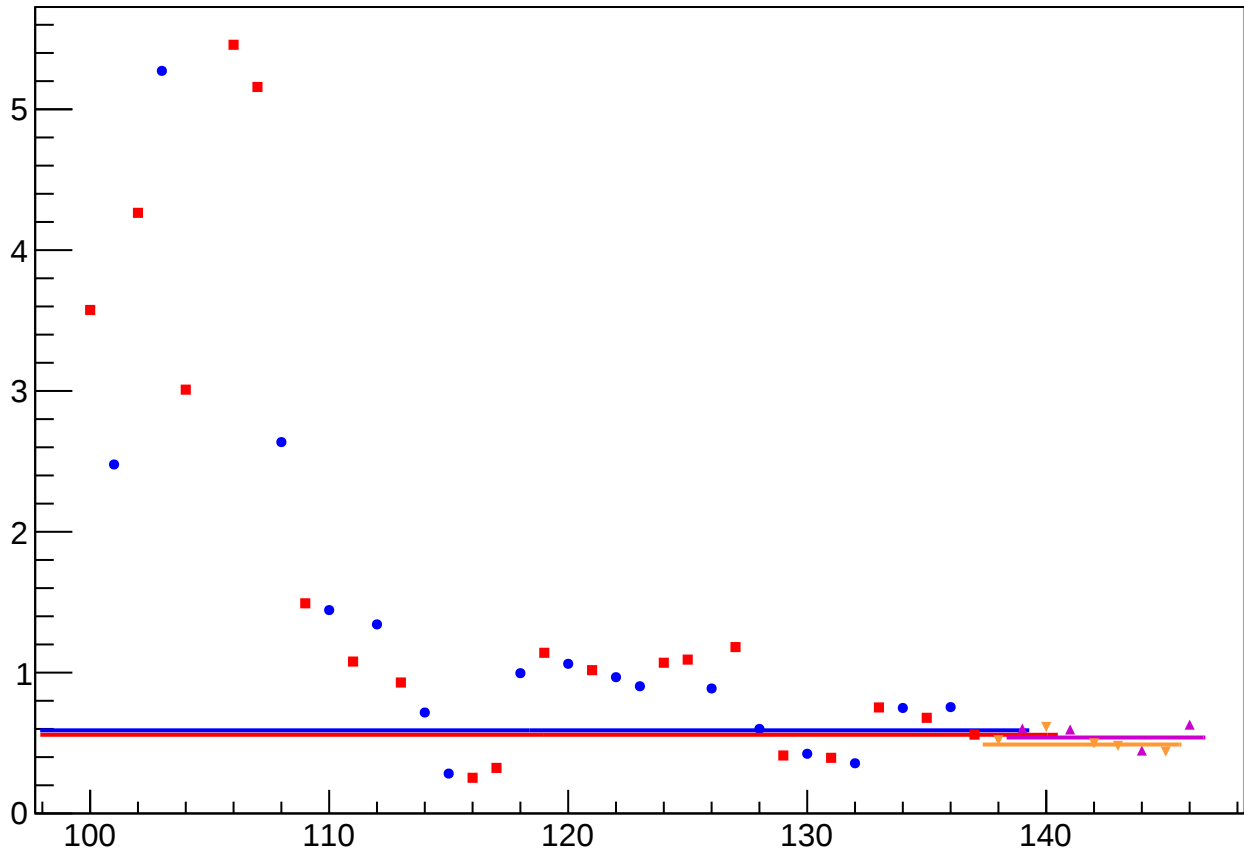
Right Out: 137.162+/-0.000 χ^2/NDF : 1366089515.6/19

Left In: 149.209+/-0.000 χ^2/NDF : 622505.2/3

145.338+/-0.000 χ^2/NDF : 1266625475.2/21

142.335+/-0.000 χ^2/NDF : 2049213200.2/23

yield_cav4cQ_rms vs Slug



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.490 $\pm$ 0.000 χ^2 /NDF:59127.1/4

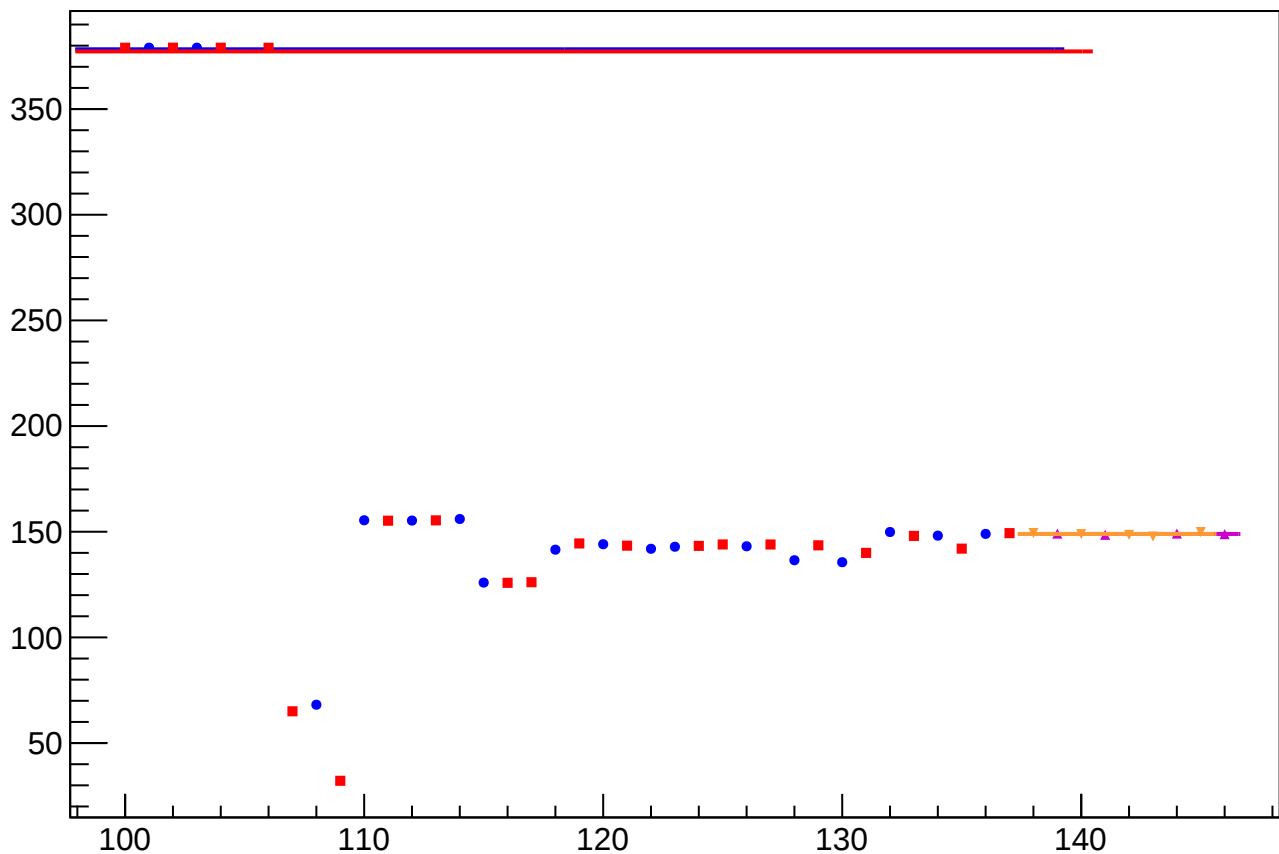
Right Out: 0.559 $\pm$ 0.000 χ^2 /NDF: 4721291.1/19

Left In: 0.539 $\pm$ 0.000 χ^2 /NDF:114993.7/3

0.539 $\pm$ 0.000 χ^2 /NDF: 3654598.7/21

0.550 $\pm$ 0.000 χ^2 /NDF: 4839875.8/23

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.937+/-0.000 χ^2/NDF :13110087.9/4

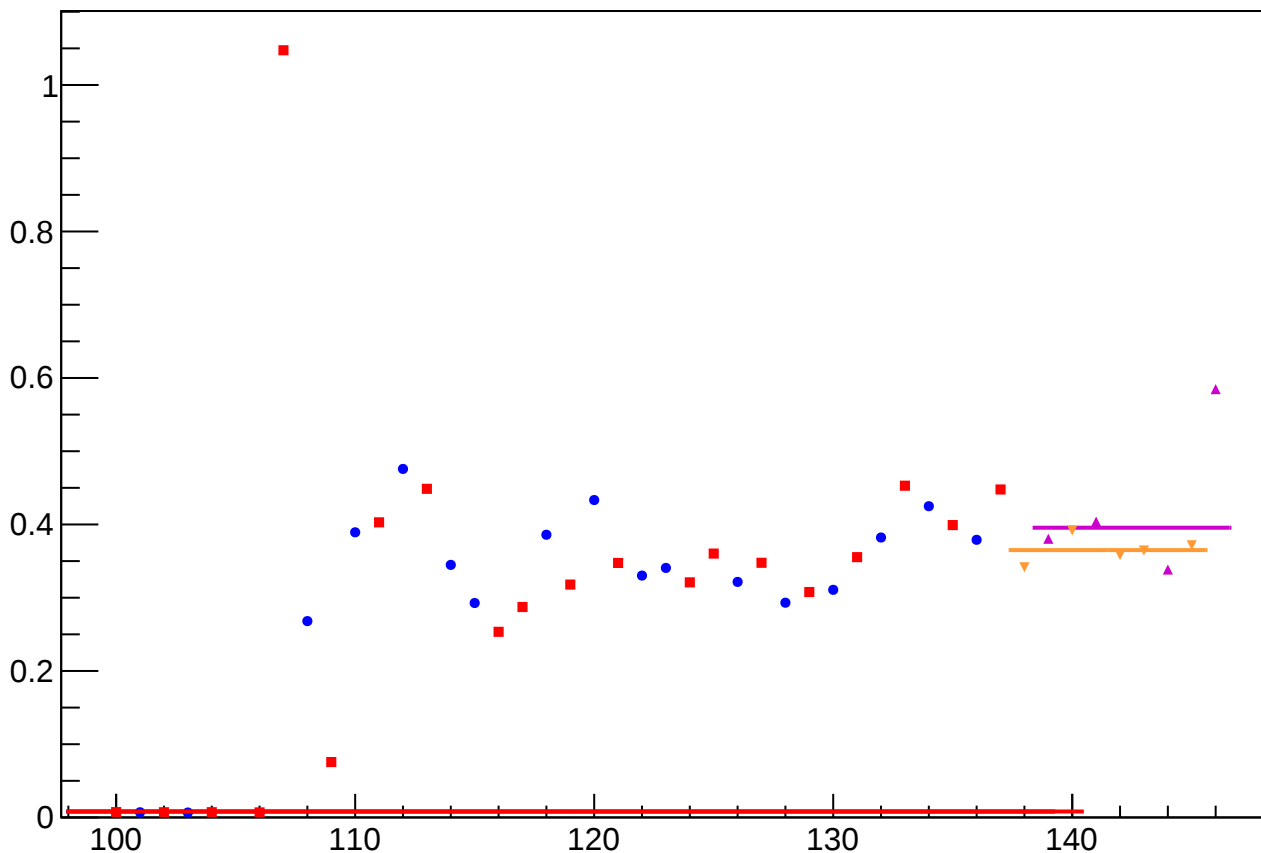
Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

Left In: 148.952+/-0.000 χ^2/NDF :1261135.7/3

377.864+/-0.000 χ^2/NDF : 3787275632164.0/23

376.987+/-0.000 χ^2/NDF : 9329605300774.4/23

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.365+/-0.000 χ^2/NDF : 14872.8/4

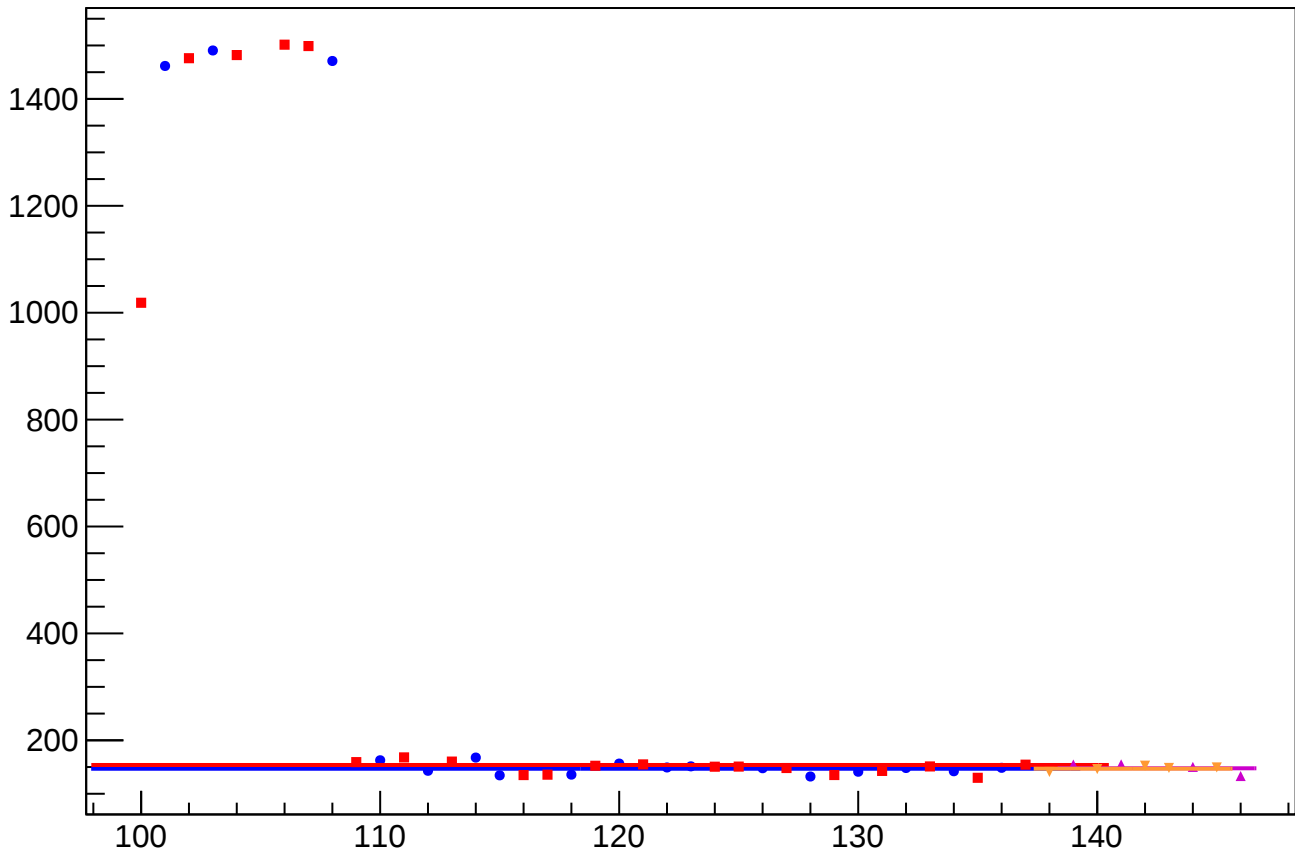
Right Out: 0.008+/-0.000 χ^2/NDF : 9589375.6/19

Left In: 0.396+/-0.000 χ^2/NDF : 219072.1/3

0.009+/-0.000 χ^2/NDF : 16015492.5/21

0.009+/-0.000 χ^2/NDF : 15660984.6/23

yield_bcm0l02_mean vs Slug



Right In: 146.819 $\pm$ 0.000 χ^2 /NDF: 24360774977.7/16

Left Out: 146.905 $\pm$ 0.001 χ^2 /NDF: 46947561.0/4

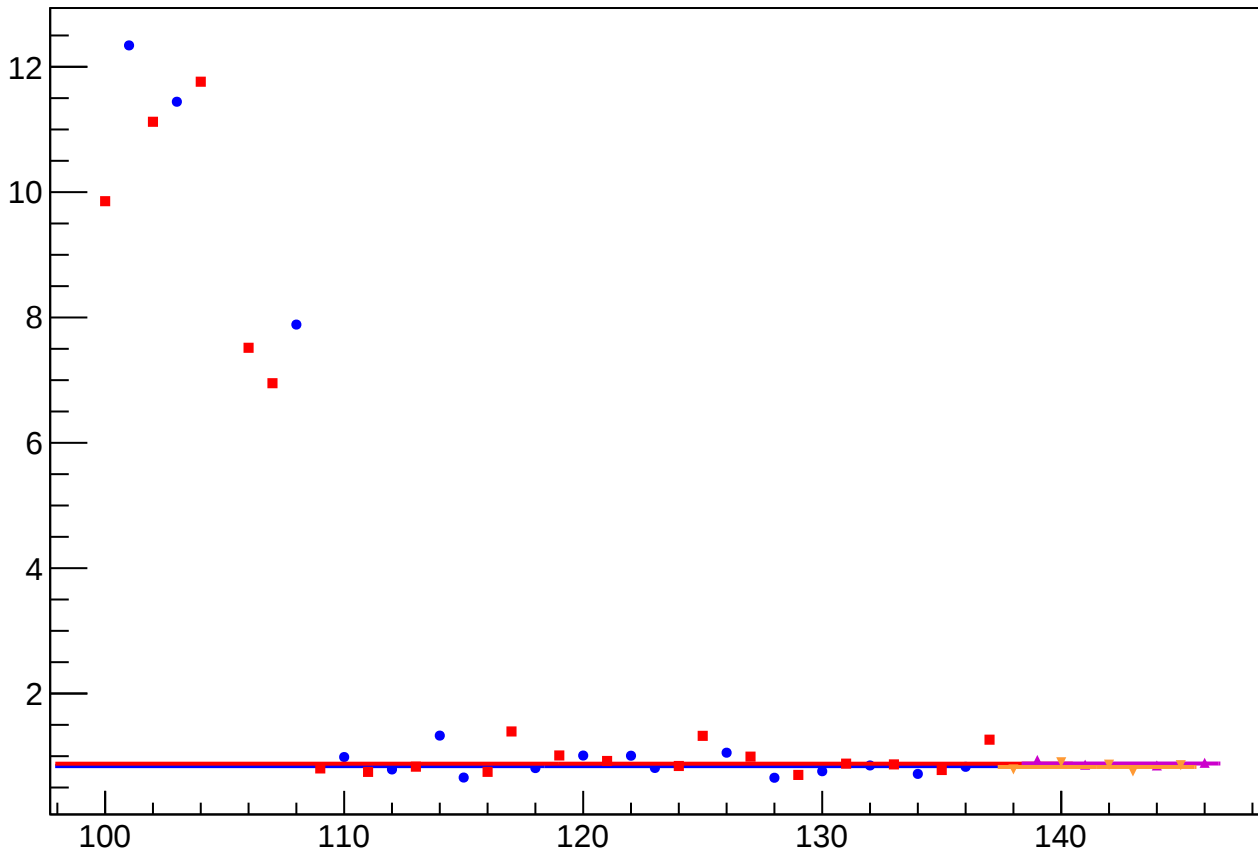
146.852 $\pm$ 0.000 χ^2 /NDF: 24407737699.2/21

Right Out: 153.832 $\pm$ 0.000 χ^2 /NDF: 33744235949.2/19

151.521 $\pm$ 0.000 χ^2 /NDF: 34079994955.4/23

Left In: 147.649 $\pm$ 0.001 χ^2 /NDF: 259910698.7/3

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.828 ± 0.000 χ^2/NDF : 20517.4/4

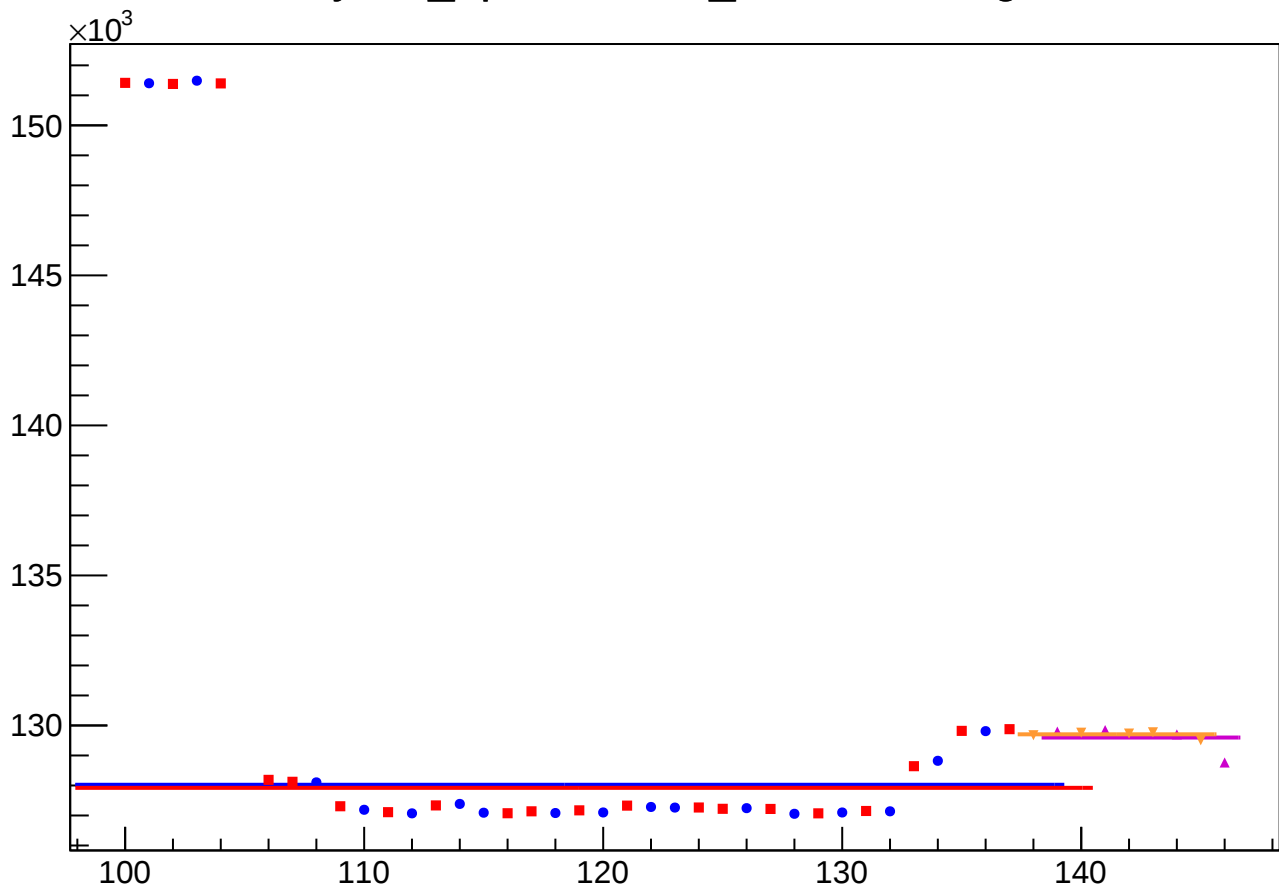
Right Out: 0.880 ± 0.000 χ^2/NDF : 2825356.7/19

Left In: 0.883 ± 0.000 χ^2/NDF : 6191.5/3

0.836 ± 0.000 χ^2/NDF : 2683627.1/21

0.881 ± 0.000 χ^2/NDF : 2831577.8/23

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129705.053 $\pm$ 0.095 χ^2 /NDF: 849513.2/4

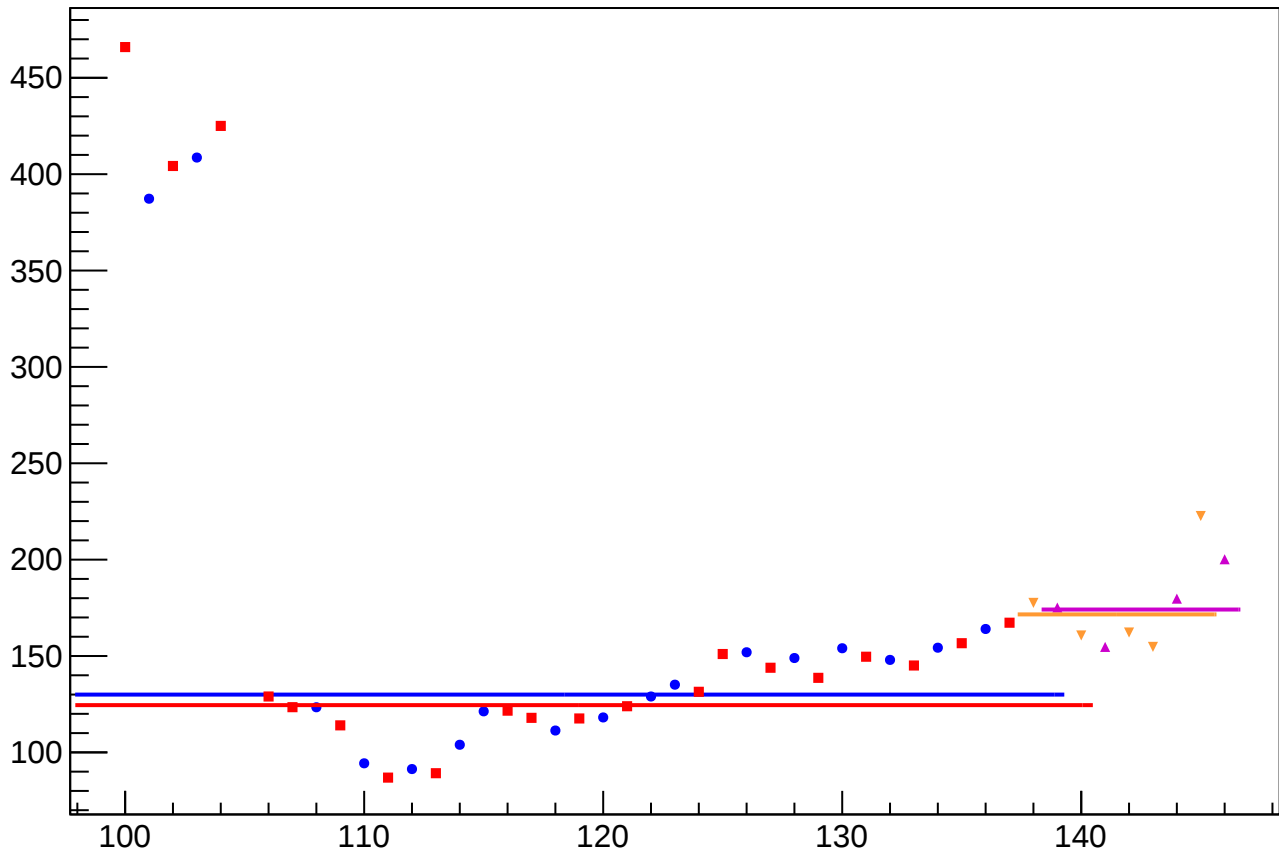
Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

Left In: 129597.638 $\pm$ 0.098 χ^2 /NDF: 16822418.6/3

128439.739 $\pm$ 0.047 χ^2 /NDF: 4552685749.7/21

128269.364 $\pm$ 0.045 χ^2 /NDF: 4017548176.5/23

yield_bpm2i01WS_rms vs Slug



Right In: 129.980+/-0.039 χ^2/NDF : 1485519.5/16

Left Out: 171.588+/-0.067 χ^2/NDF :107207.8/4

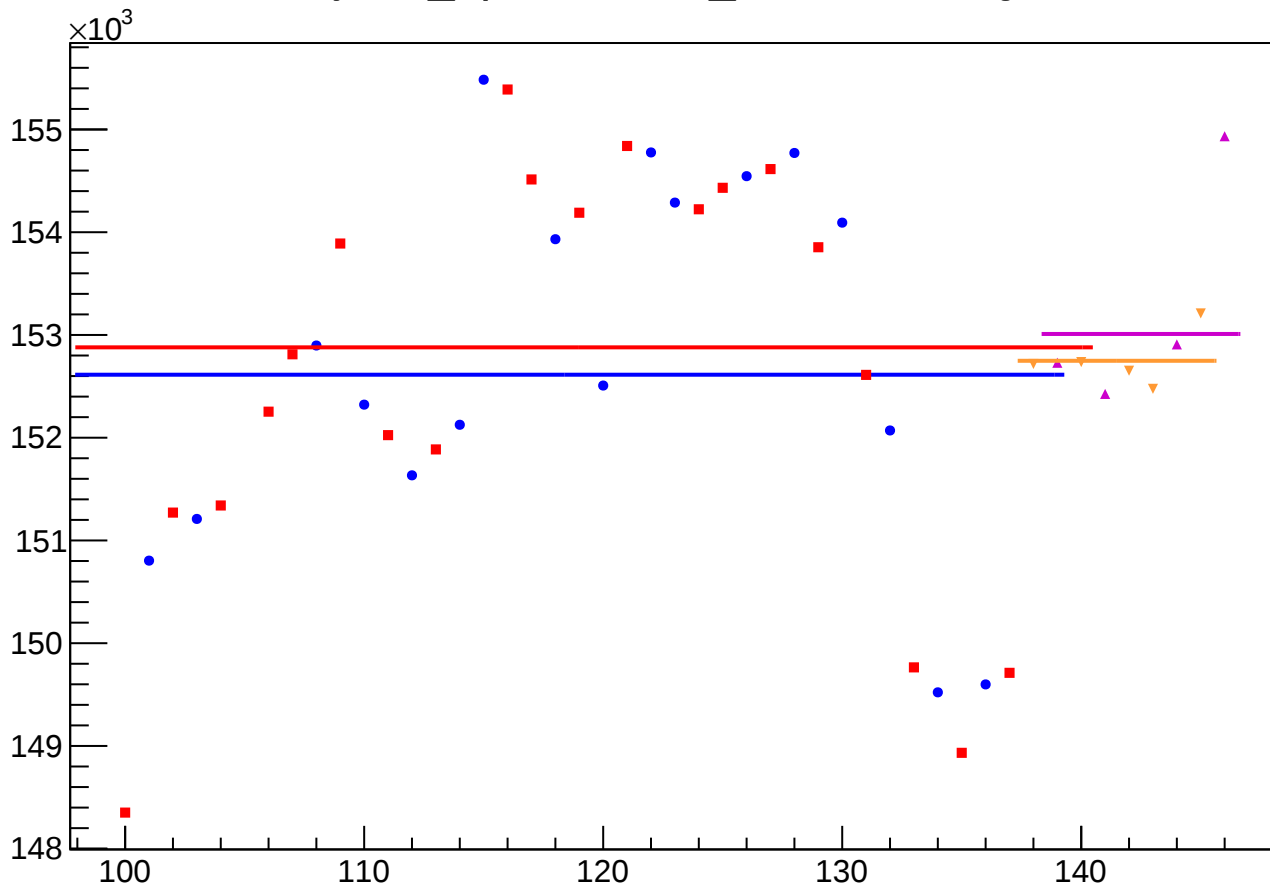
140.278+/-0.033 χ^2/NDF : 1880858.2/21

Right Out: 124.514+/-0.035 χ^2/NDF : 1531546.7/19

134.813+/-0.032 χ^2/NDF : 1991886.8/23

Left In: 174.117+/-0.069 χ^2/NDF :54494.0/3

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122+/-0.072 χ^2/NDF : 623356098.4/16

Left Out: 152748.682+/-0.097 χ^2/NDF : 6077054.3/4

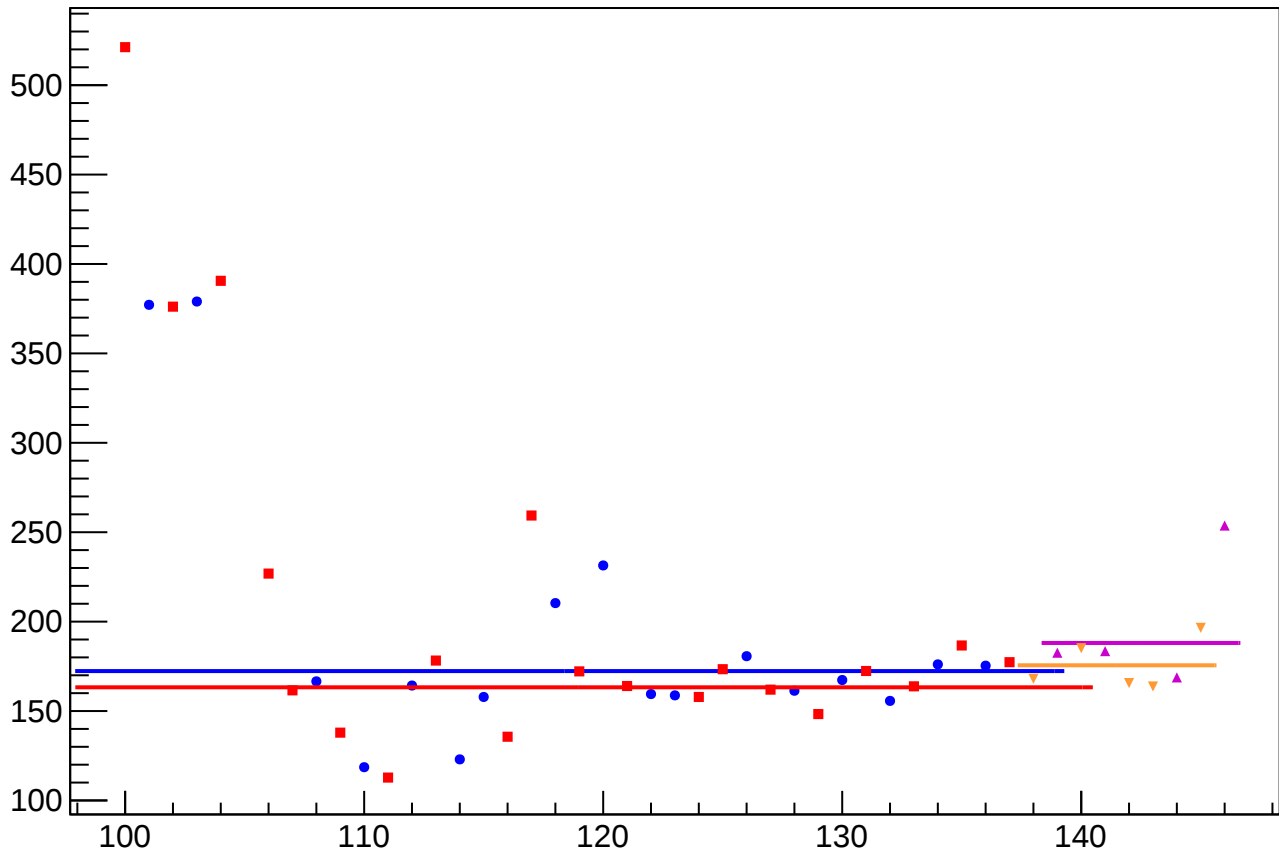
Right Out: 152879.455+/-0.066 χ^2/NDF : 717907168.5/19

Left In: 153009.722+/-0.106 χ^2/NDF : 55691617.3/3

152661.323+/-0.058 χ^2/NDF : 630684312.1/21

152915.717+/-0.056 χ^2/NDF : 774679507.2/23

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 ± 0.051 χ^2/NDF : 921911.1/16

Left Out: 175.579 ± 0.069 χ^2/NDF : 33677.2/4

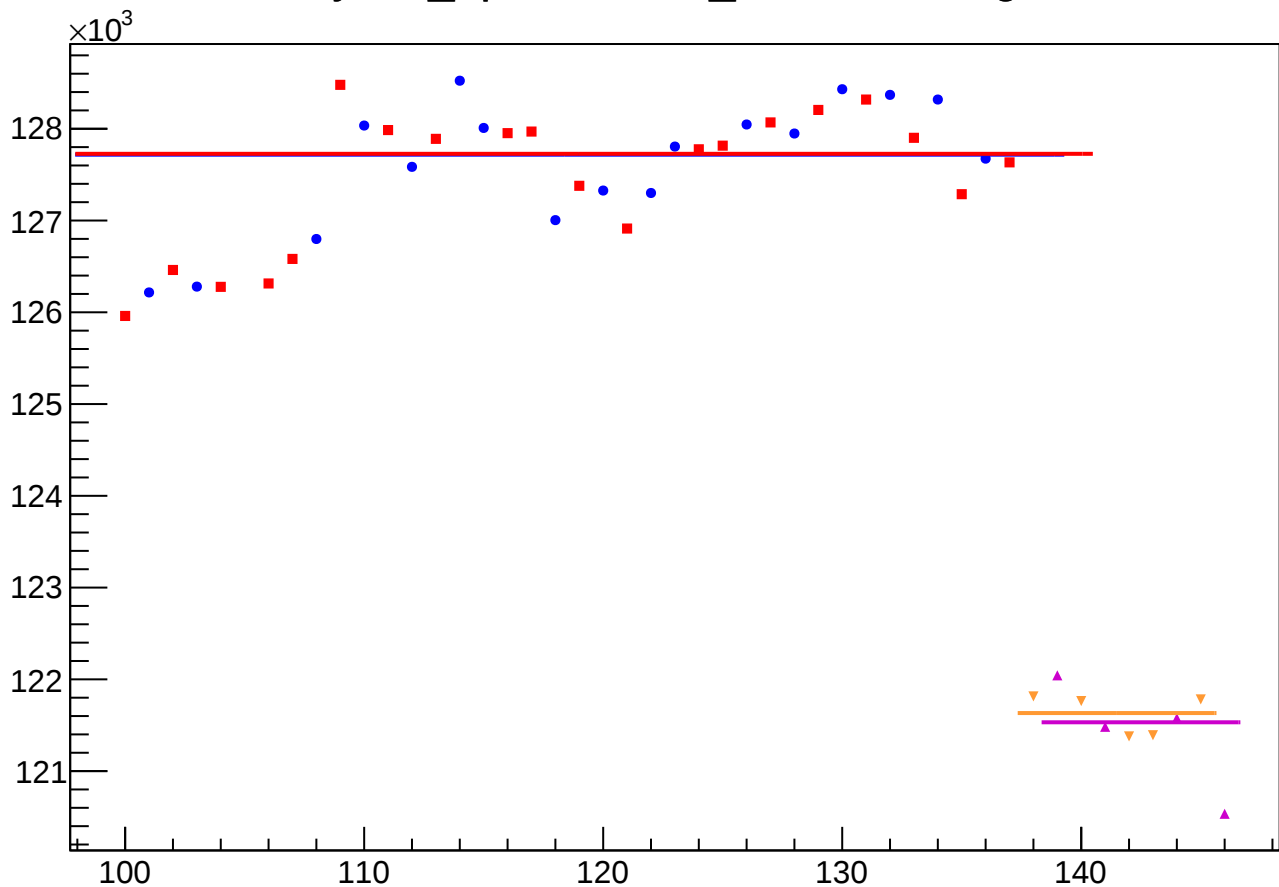
Right Out: 163.273 ± 0.047 χ^2/NDF : 1043440.1/19

Left In: 188.071 ± 0.075 χ^2/NDF : 129706.8/3

173.499 ± 0.041 χ^2/NDF : 957007.1/21

170.176 ± 0.040 χ^2/NDF : 1251471.4/23

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 ± 0.058 $\chi^2/\text{NDF}: 95177660.2/16$

Left Out: 121632.704 ± 0.082 $\chi^2/\text{NDF}: 5667737.6/4$

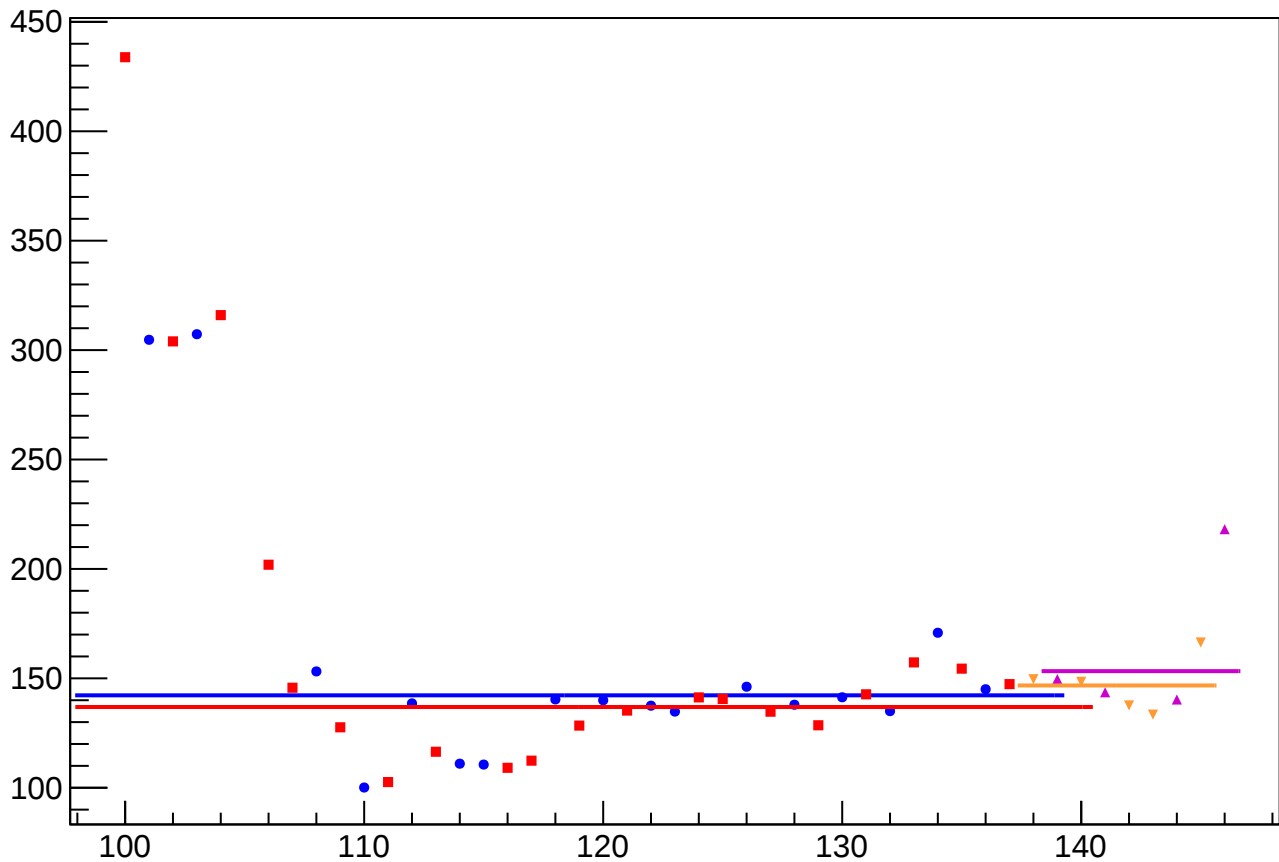
Right Out: 127726.969 ± 0.054 $\chi^2/\text{NDF}: 112752557.5/19$

Left In: 121532.003 ± 0.087 $\chi^2/\text{NDF}: 24719970.0/3$

125672.050 ± 0.047 $\chi^2/\text{NDF}: 3765541939.0/21$

126002.607 ± 0.046 $\chi^2/\text{NDF}: 3767322463.9/23$

yield_bpm0l01WS_rms vs Slug



Right In: 142.240+/-0.041 χ^2/NDF : 836415.1/16

Left Out: 146.752+/-0.058 χ^2/NDF : 37421.4/4

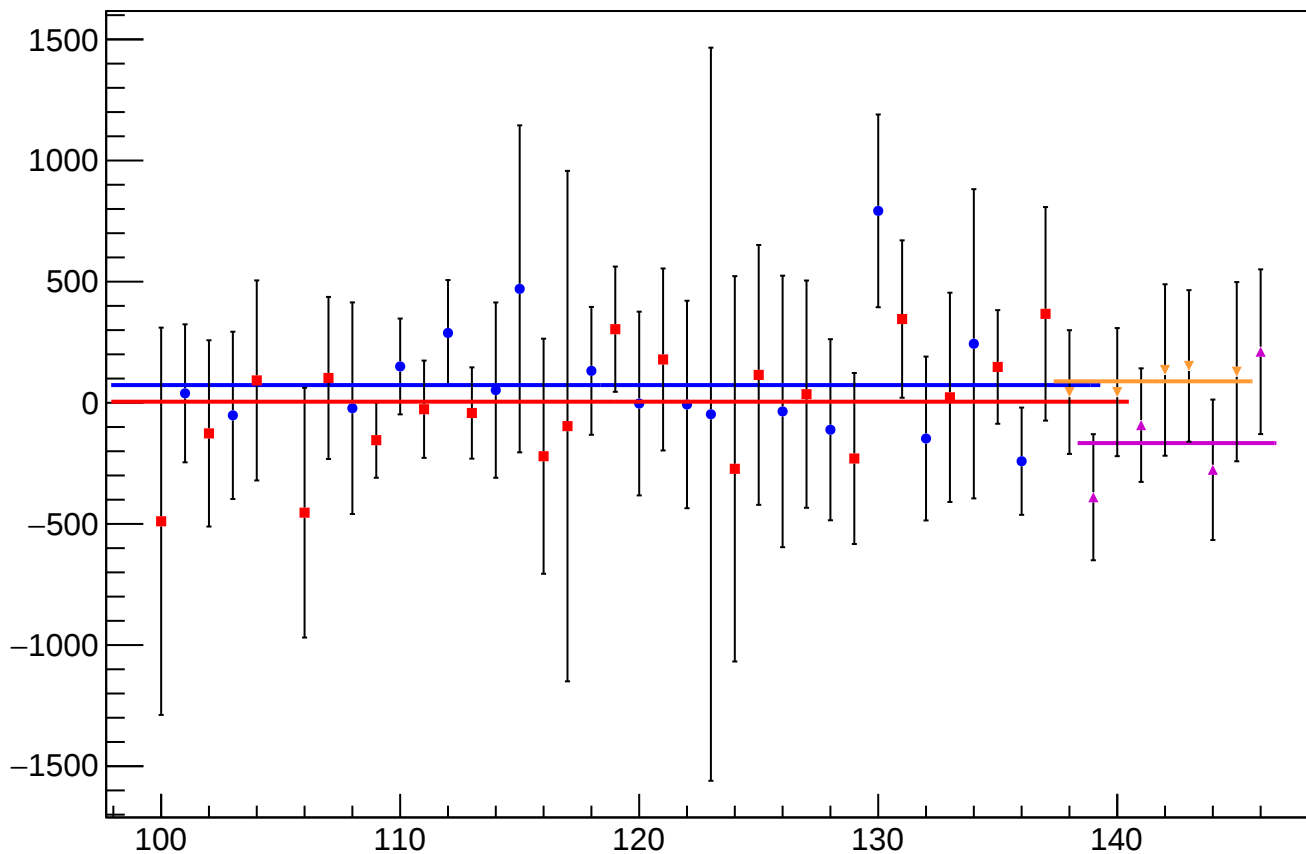
Right Out: 136.904+/-0.038 χ^2/NDF : 961858.5/19

Left In: 153.292+/-0.062 χ^2/NDF : 159695.4/3

143.757+/-0.034 χ^2/NDF : 877864.9/21

141.465+/-0.033 χ^2/NDF : 1172361.8/23

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 88.585+/-134.649 χ^2/NDF : 0.1/4

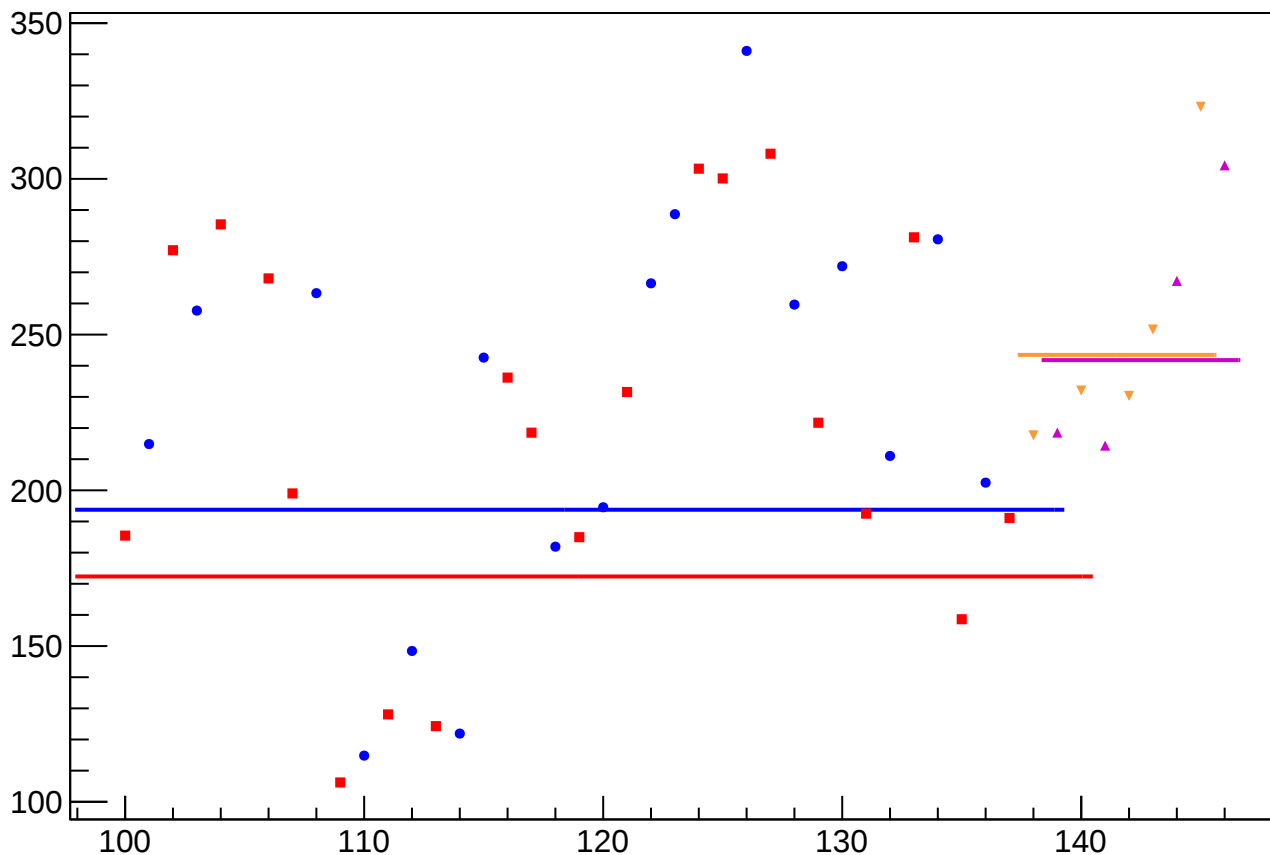
Right Out: 4.574+/-69.944 χ^2/NDF : 7.1/19

Left In: -166.318+/-136.683 χ^2/NDF : 2.2/3

77.117+/-68.525 χ^2/NDF : 8.0/21

-30.889+/-62.265 χ^2/NDF : 10.5/23

asym_bcm_an_ds_rms vs Slug



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 243.489+/-0.095 χ^2/NDF :121115.2/4

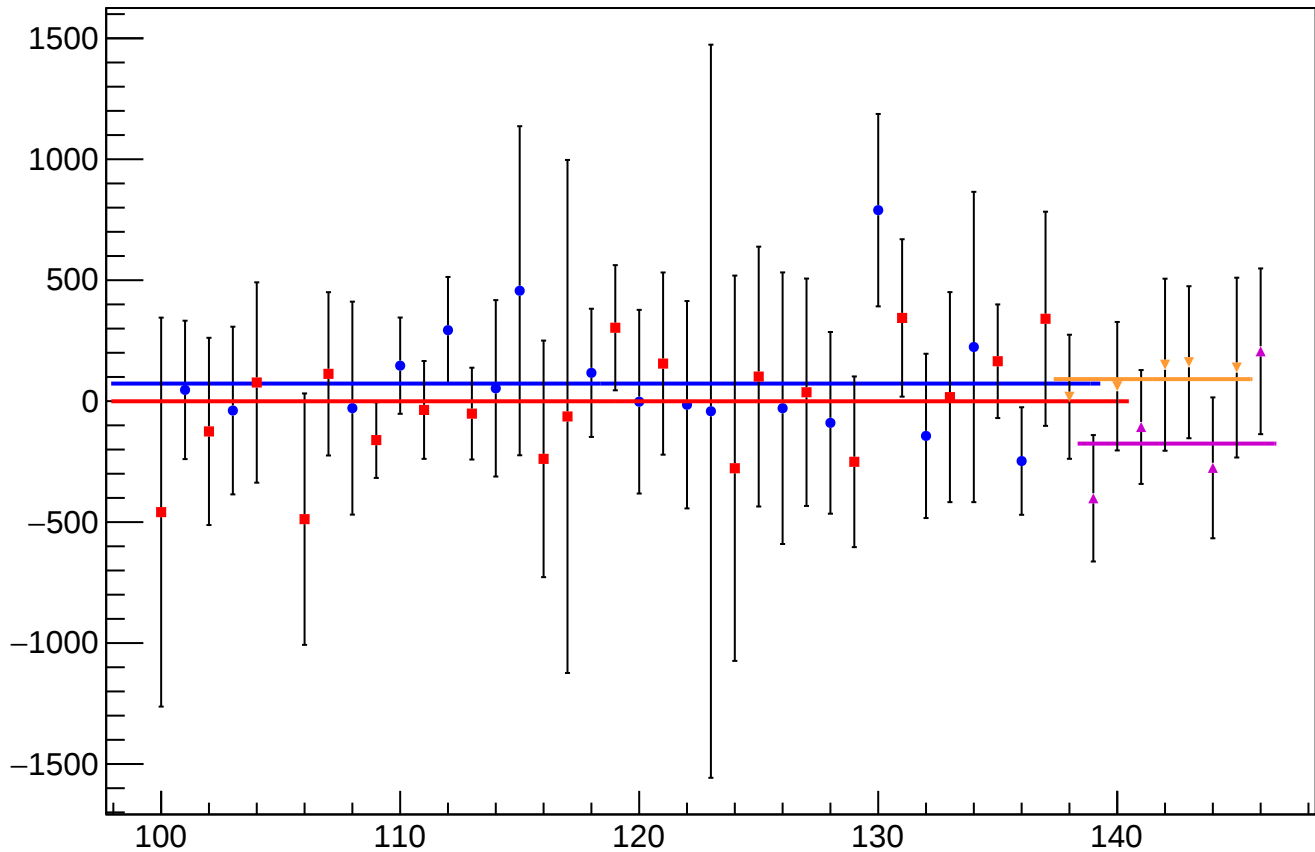
Right Out: 172.346+/-0.049 χ^2/NDF : 1583893.0/19

Left In: 241.813+/-0.097 χ^2/NDF :126531.5/3

206.649+/-0.048 χ^2/NDF : 1340240.3/21

186.762+/-0.044 χ^2/NDF : 2119820.3/23

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 91.111+/-135.265 χ^2/NDF : 0.2/4

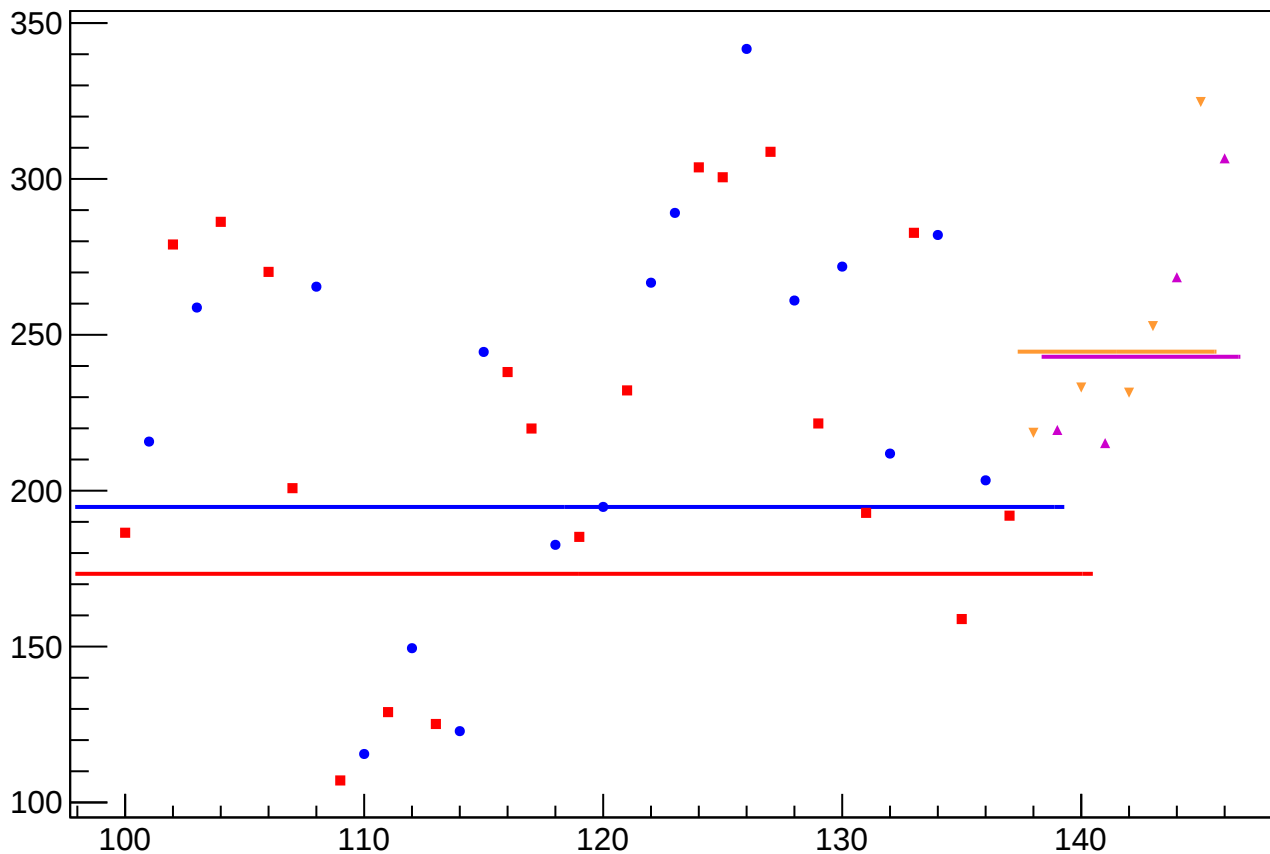
Right Out: -0.459+/-70.312 χ^2/NDF : 7.3/19

Left In: -175.446+/-137.351 χ^2/NDF : 2.2/3

77.452+/-68.853 χ^2/NDF : 8.0/21

-36.793+/-62.587 χ^2/NDF : 10.8/23

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 ± 0.057 χ^2/NDF : 1008292.8/16

Left Out: 173.337 ± 0.050 χ^2/NDF : 1571436.7/19

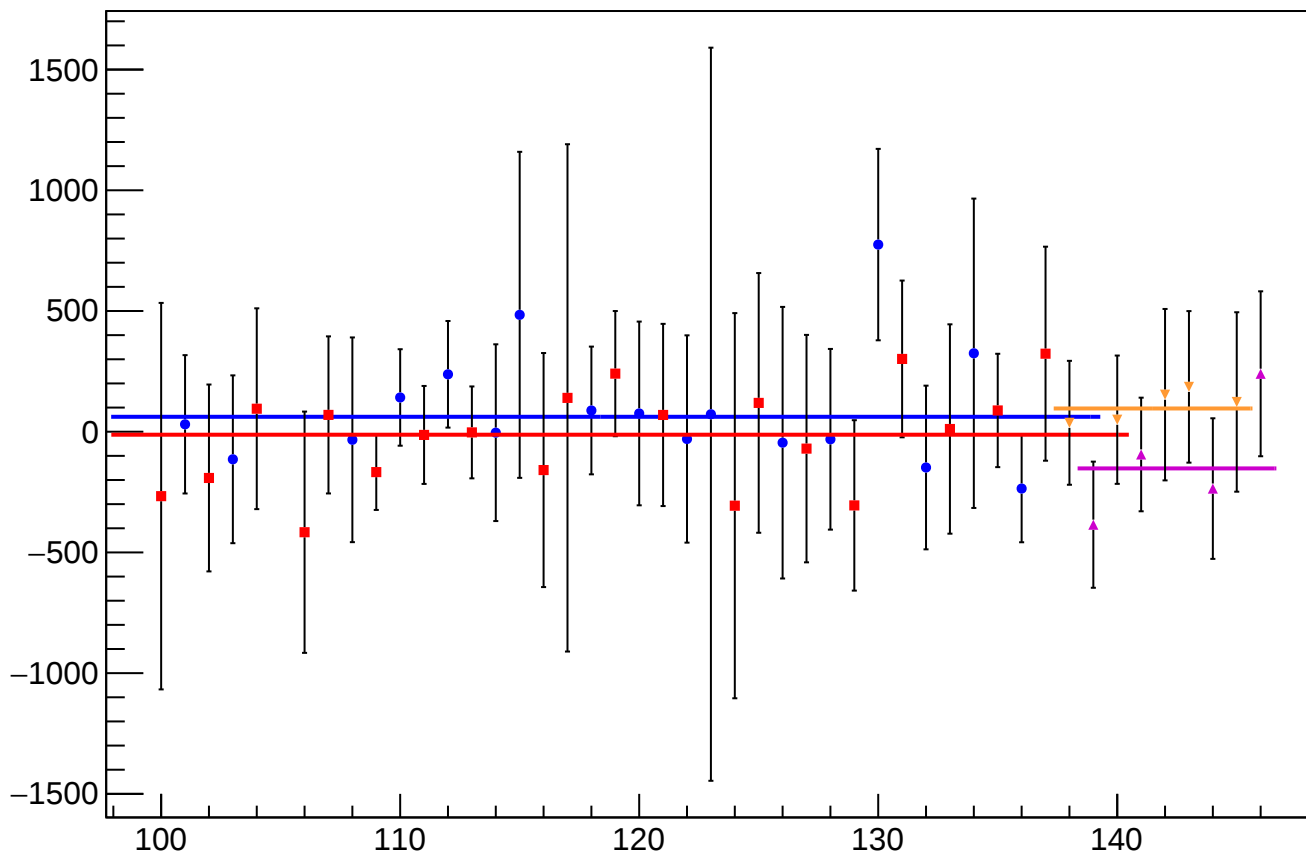
Right Out: 244.597 ± 0.096 χ^2/NDF : 121292.1/4

Left In: 242.957 ± 0.097 χ^2/NDF : 128228.0/3

207.689 ± 0.049 χ^2/NDF : 1330553.4/21

187.793 ± 0.044 χ^2/NDF : 2106813.0/23

asym_bcm_an_us_mean vs Slug



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 96.223 $\pm$ 135.243 χ^2 /NDF: 0.2/4

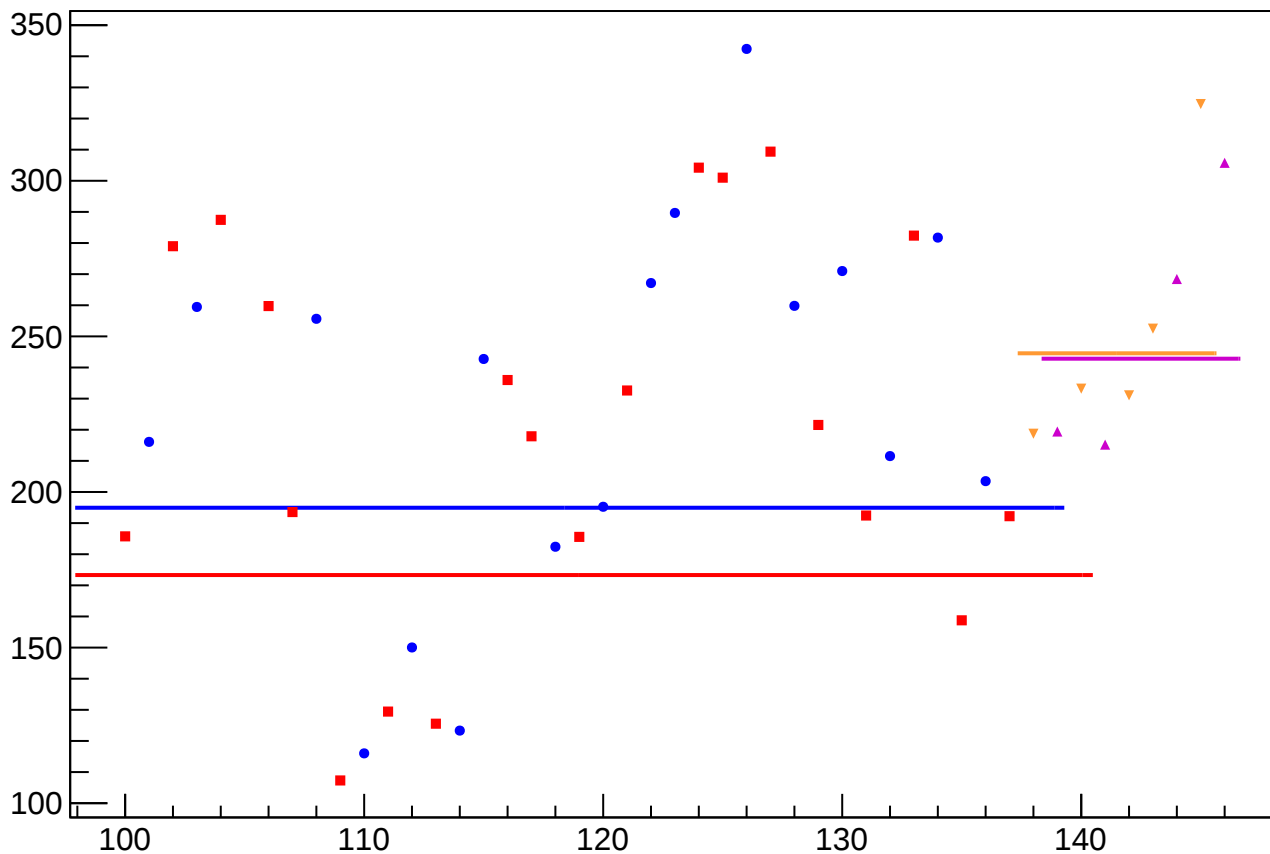
Right Out: -12.417 $\pm$ 70.233 χ^2 /NDF: 5.8/19

Left In: -152.000 $\pm$ 137.262 χ^2 /NDF: 2.3/3

70.731 $\pm$ 68.847 χ^2 /NDF: 7.5/21

-41.378 $\pm$ 62.524 χ^2 /NDF: 8.9/23

asym_bcm_an_us_rms vs Slug



Right In: 194.939+/-0.057 χ^2/NDF : 986629.1/16

Left Out: 244.565+/-0.096 χ^2/NDF :120998.7/4

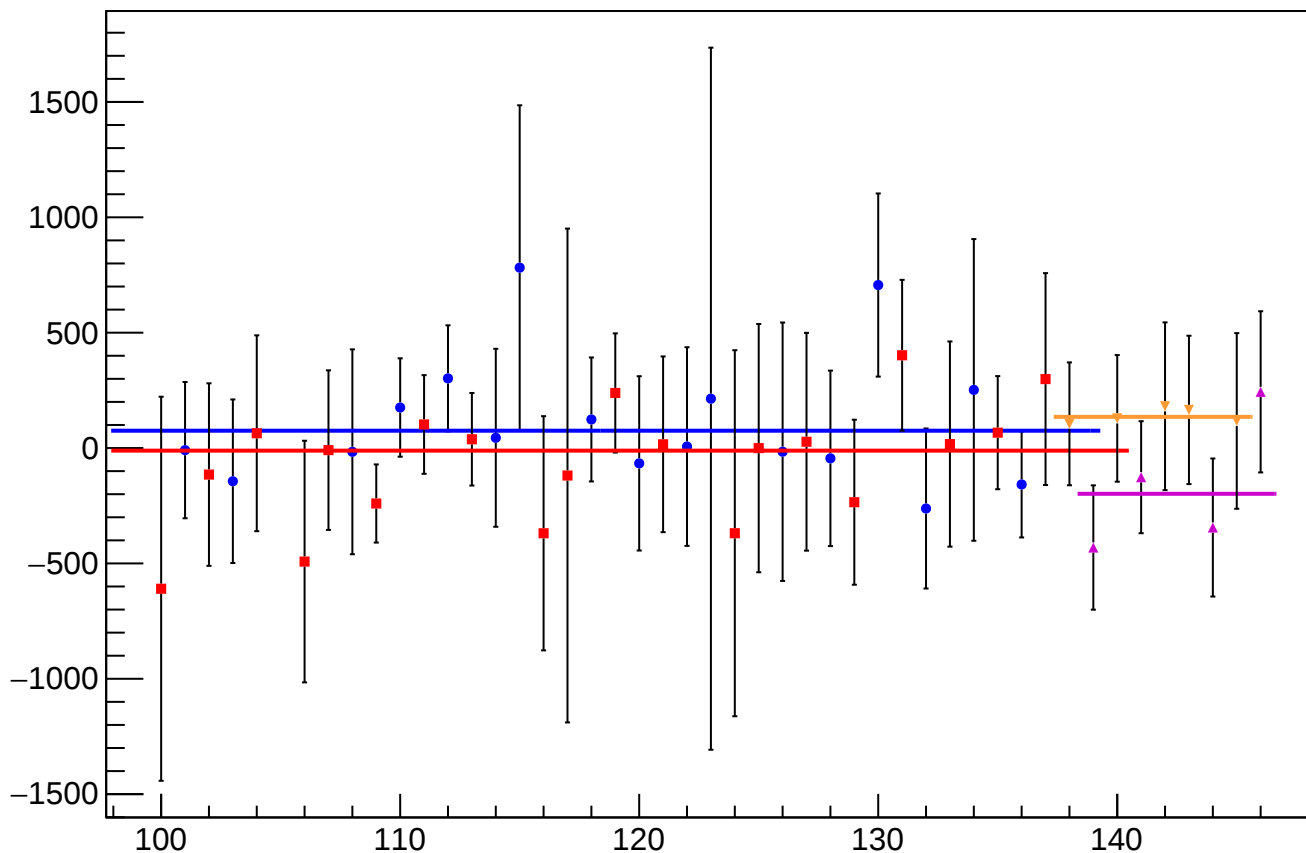
Right Out: 173.309+/-0.050 χ^2/NDF : 1548342.3/19

Left In: 242.831+/-0.097 χ^2/NDF :126962.8/3

207.799+/-0.049 χ^2/NDF : 1307133.7/21

187.734+/-0.044 χ^2/NDF : 2081915.3/23

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 ± 82.504 $\chi^2/\text{NDF}: 7.6/16$

Left Out: 135.231 ± 139.304 $\chi^2/\text{NDF}: 0.0/4$

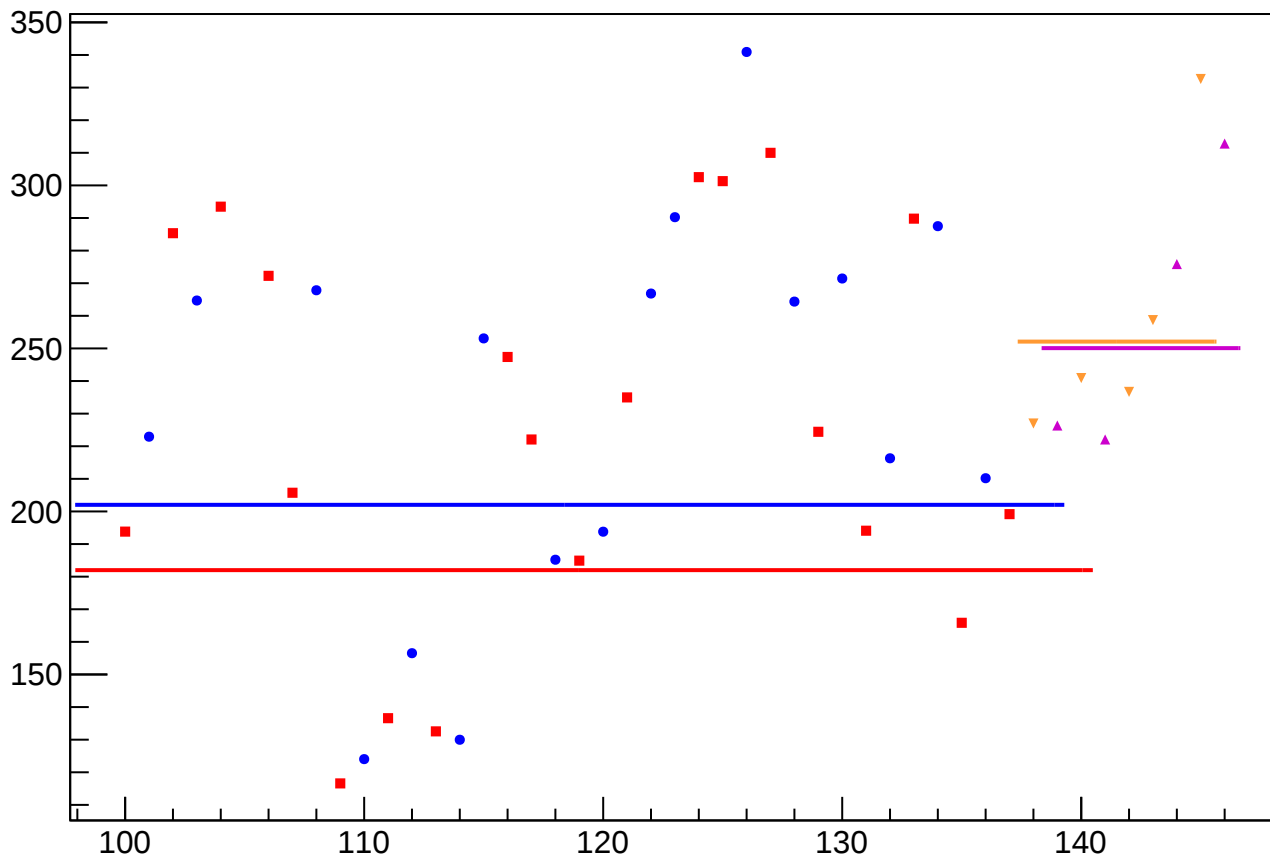
Right Out: -11.180 ± 73.166 $\chi^2/\text{NDF}: 7.8/19$

Left In: -198.234 ± 141.251 $\chi^2/\text{NDF}: 2.7/3$

90.794 ± 70.988 $\chi^2/\text{NDF}: 7.8/21$

-50.751 ± 64.968 $\chi^2/\text{NDF}: 11.9/23$

asym_bcm_dg_us_rms vs Slug



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 252.092+/-0.099 χ^2/NDF :115108.2/4

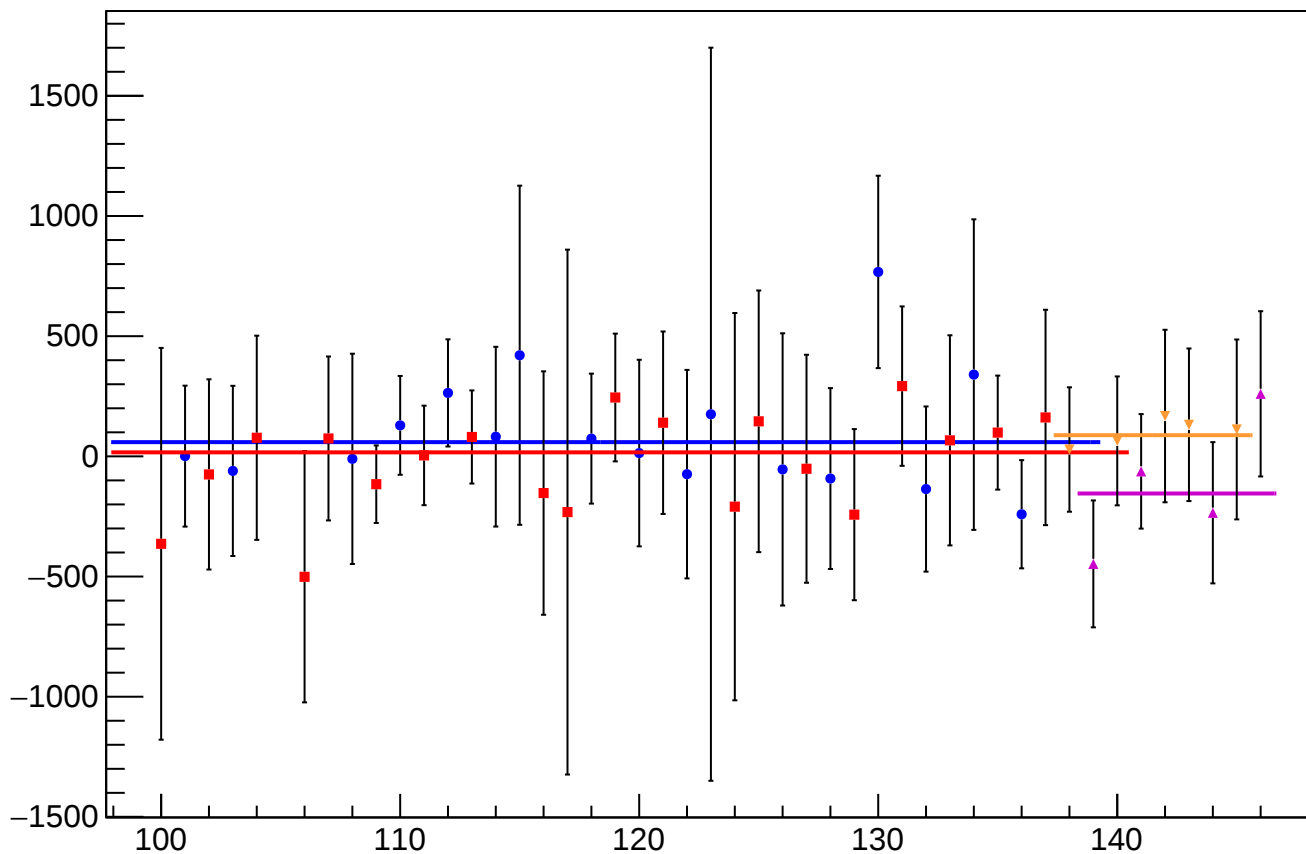
Right Out: 182.000+/-0.052 χ^2/NDF : 1380354.3/19

Left In: 250.087+/-0.100 χ^2/NDF :121543.9/3

215.030+/-0.050 χ^2/NDF : 1187947.8/21

196.403+/-0.046 χ^2/NDF : 1868299.2/23

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 88.068+/-136.499 χ^2/NDF : 0.1/4

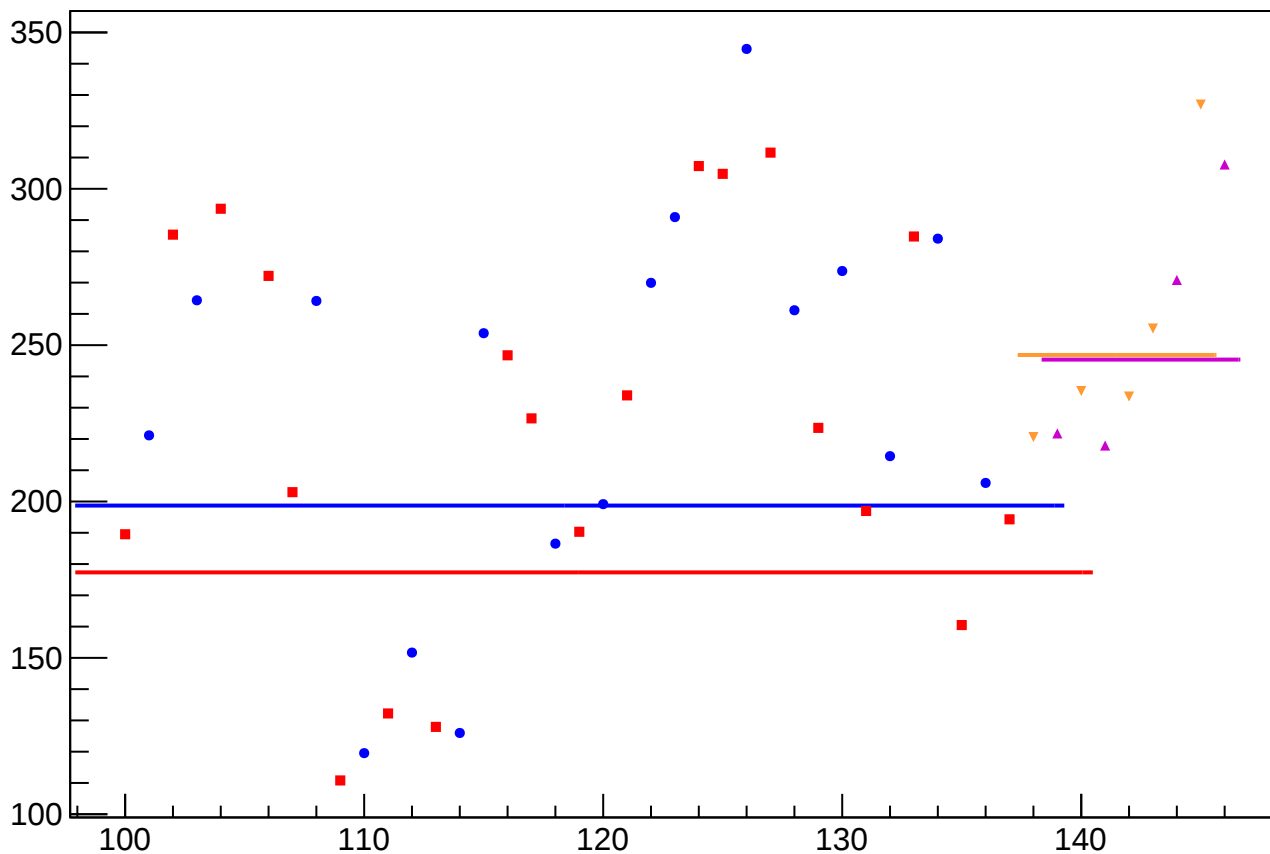
Right Out: 16.650+/-71.745 χ^2/NDF : 4.7/19

Left In: -154.478+/-138.649 χ^2/NDF : 2.9/3

66.757+/-69.923 χ^2/NDF : 7.3/21

-19.493+/-63.719 χ^2/NDF : 8.8/23

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704+/-0.058 χ^2/NDF : 963394.4/16

Left Out: 246.866+/-0.097 χ^2/NDF :120034.0/4

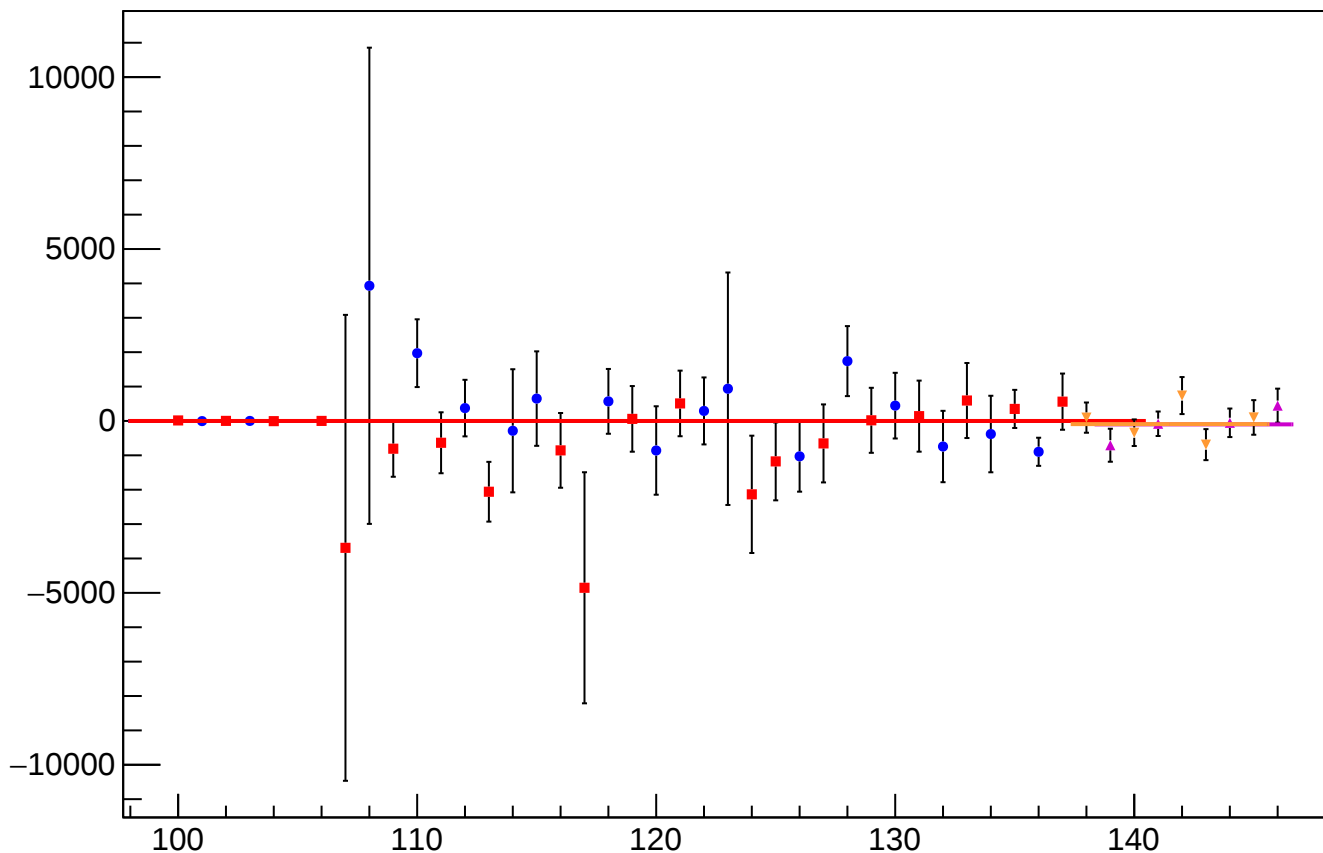
Right Out: 177.338+/-0.051 χ^2/NDF : 1528976.8/19

Left In: 245.382+/-0.098 χ^2/NDF :123522.3/3

211.342+/-0.049 χ^2/NDF : 1267086.1/21

191.710+/-0.045 χ^2/NDF : 2032460.2/23

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -92.136 ± 203.361 χ^2/NDF : 4.9/4

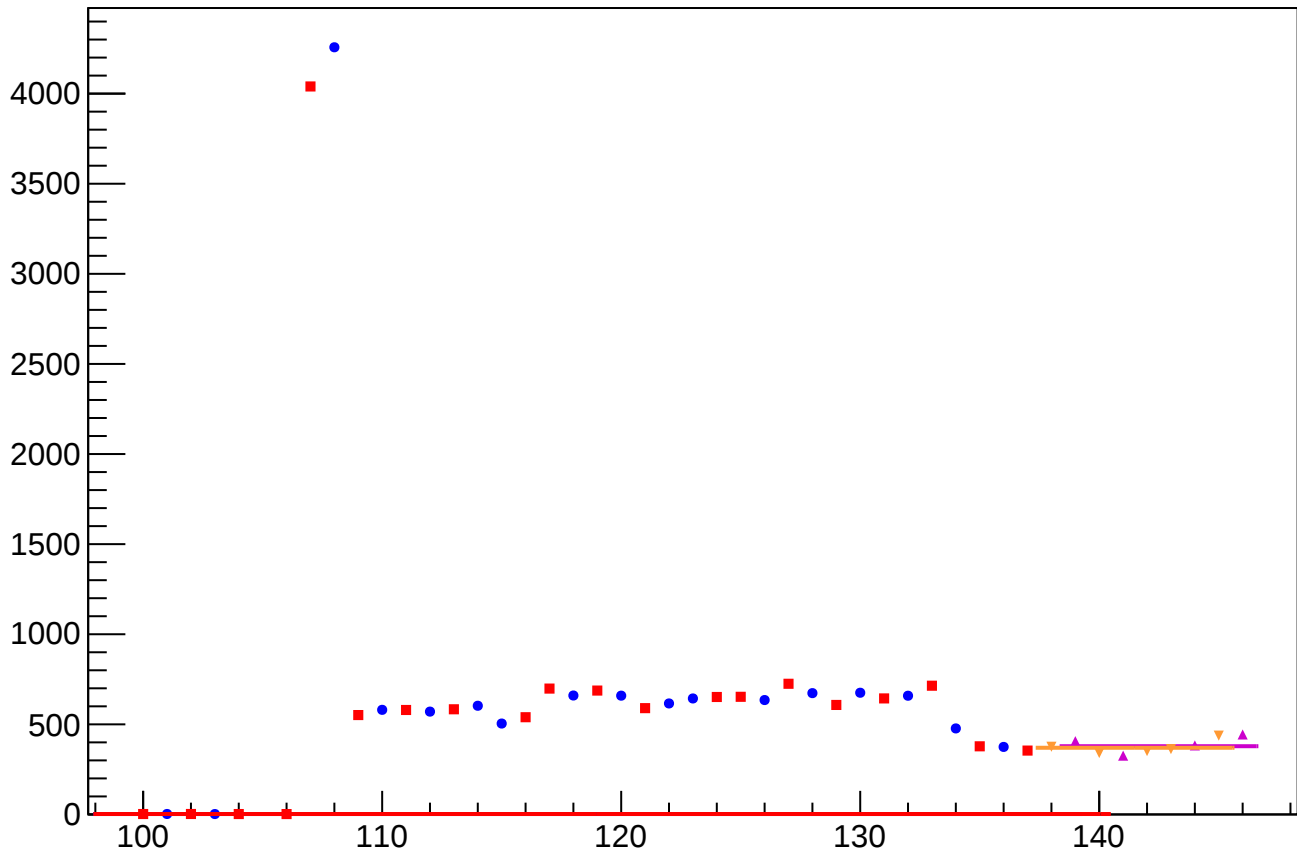
Right Out: -0.733 ± 2.111 χ^2/NDF : 20.5/19

Left In: -99.558 ± 212.593 χ^2/NDF : 2.8/3

-1.540 ± 2.251 χ^2/NDF : 21.7/21

-0.743 ± 2.111 χ^2/NDF : 23.5/23

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 370.080+/-0.144 χ^2/NDF : 50463.0/4

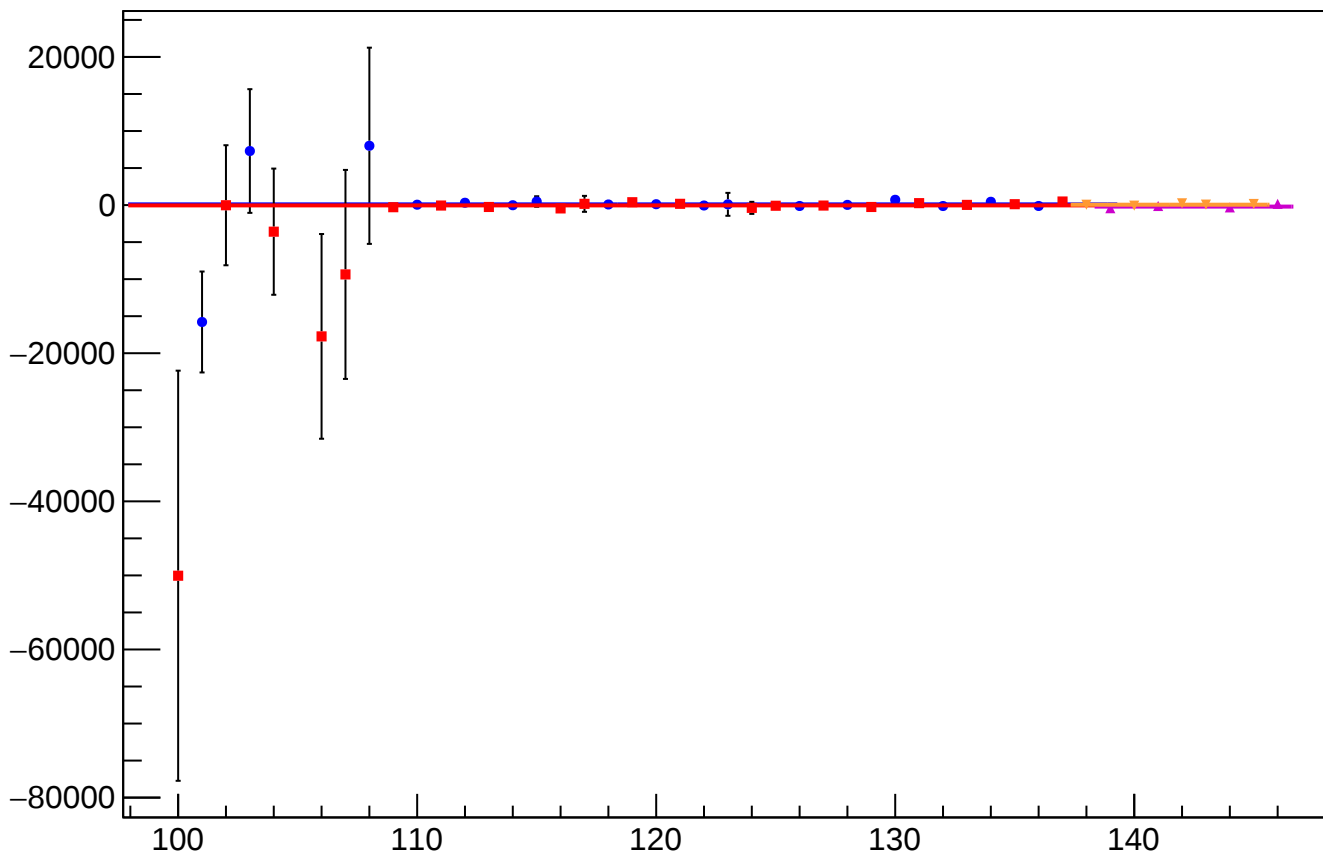
Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

Left In: 378.725+/-0.150 χ^2/NDF : 85090.4/3

2.501+/-0.002 χ^2/NDF : 17291842.7/21

2.474+/-0.001 χ^2/NDF : 17576260.9/23

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 51.998+/-141.605 χ^2/NDF : 0.5/4

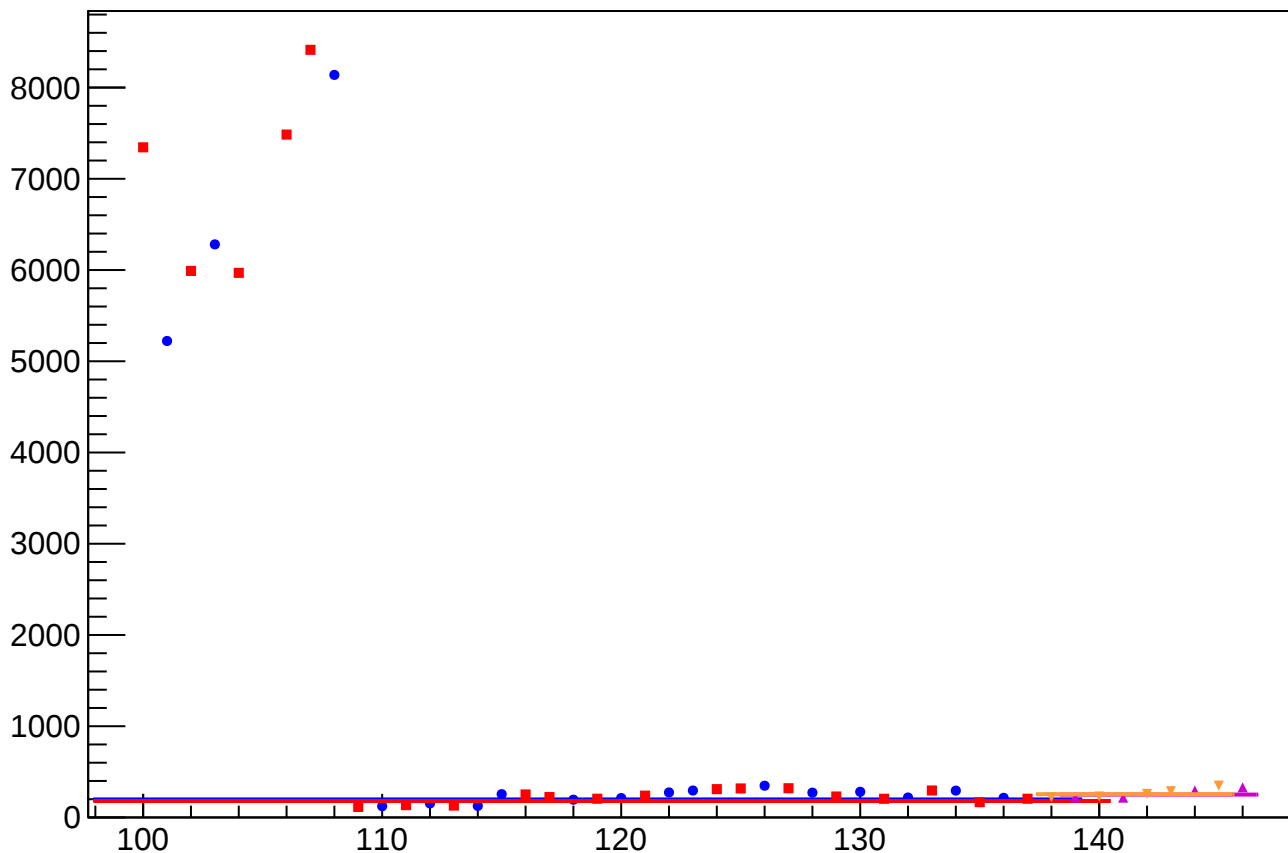
Right Out: -41.335+/-84.288 χ^2/NDF : 14.0/19

Left In: -203.849+/-142.561 χ^2/NDF : 1.9/3

82.542+/-76.975 χ^2/NDF : 12.6/21

-83.429+/-72.555 χ^2/NDF : 16.9/23

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 254.769+/-0.100 χ^2/NDF :178880.3/4

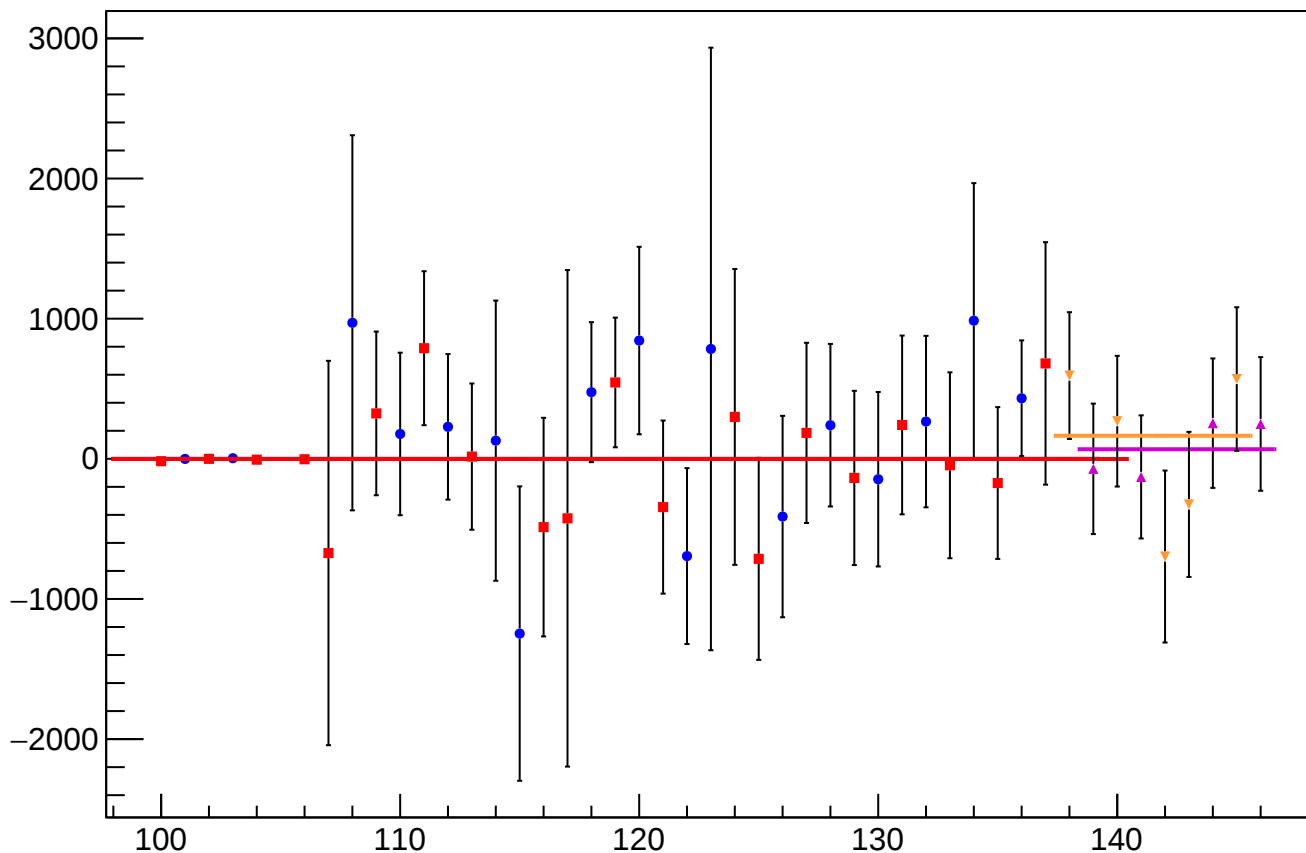
Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

Left In: 250.604+/-0.101 χ^2/NDF :198398.4/3

214.367+/-0.054 χ^2/NDF : 4105816.6/21

198.473+/-0.051 χ^2/NDF : 4883992.7/23

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 164.716 ± 225.391 χ^2/NDF : 4.4/4

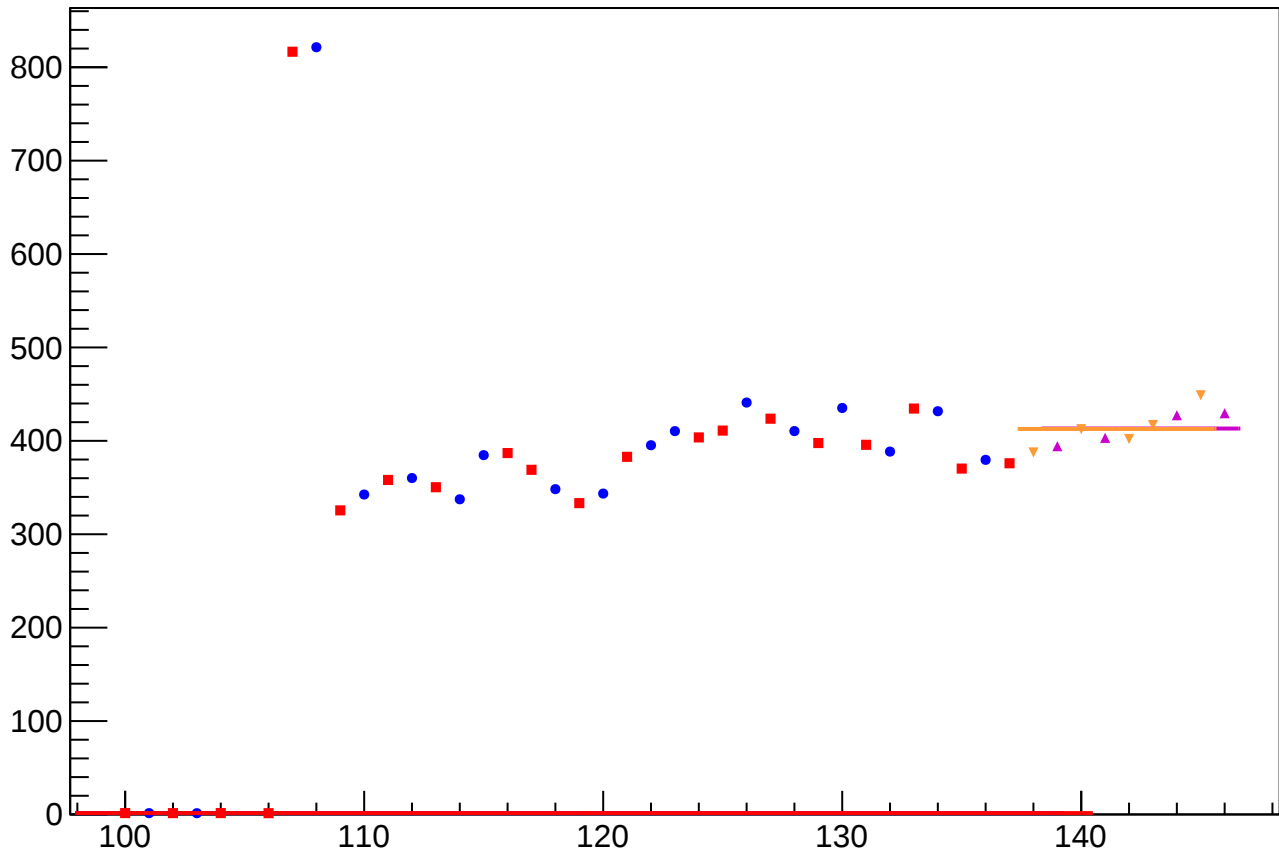
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.6/19

Left In: 68.243 ± 230.110 χ^2/NDF : 0.6/3

-0.129 ± 1.737 χ^2/NDF : 14.8/21

-1.321 ± 1.623 χ^2/NDF : 10.2/23

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 412.737+/-0.159 χ^2/NDF :16829.1/4

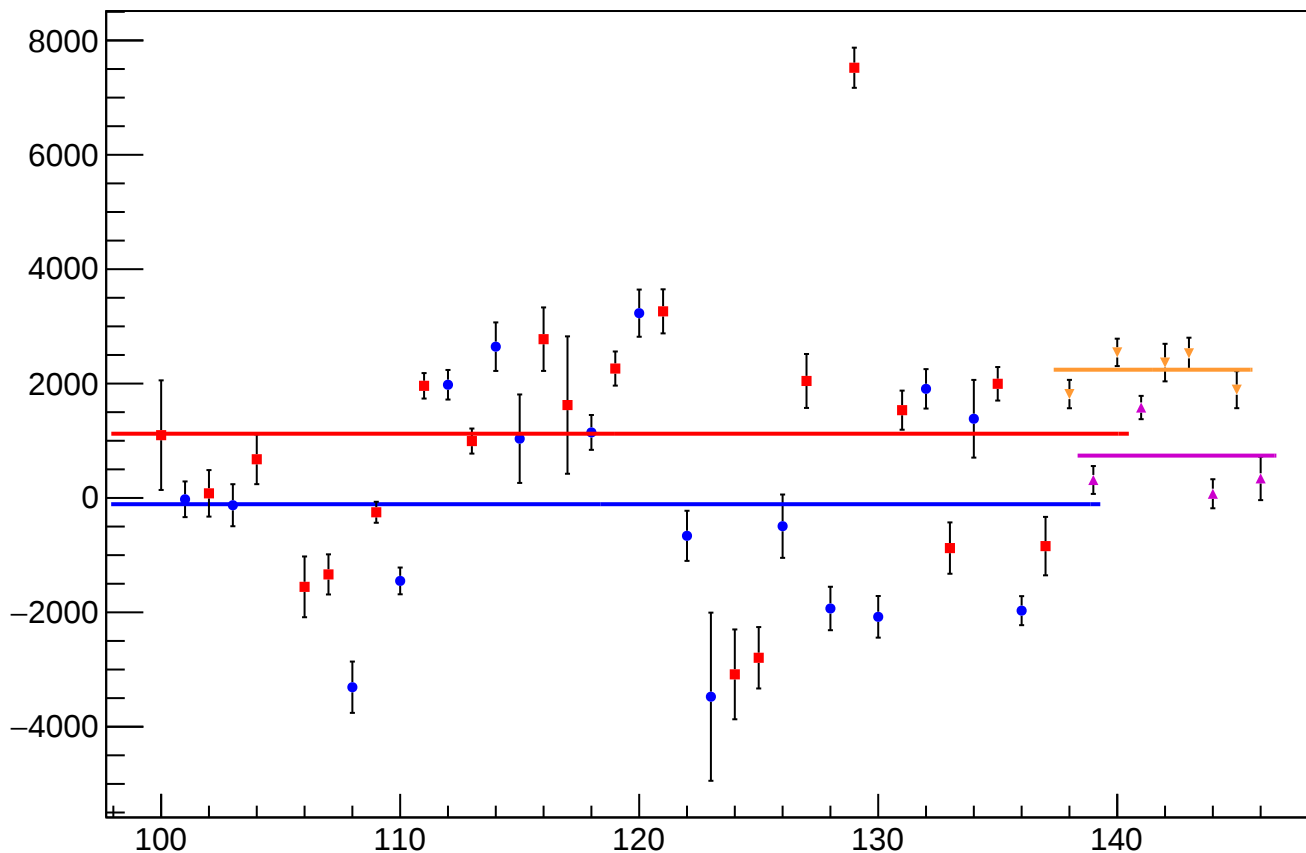
1.477+/-0.001 χ^2/NDF : 17491844.8/21

Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

1.472+/-0.001 χ^2/NDF : 17370806.8/23

Left In: 413.177+/-0.163 χ^2/NDF :8584.3/3

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 χ^2/NDF : 428.3/16

Left Out: 2242.371 ± 123.223 χ^2/NDF : 6.9/4

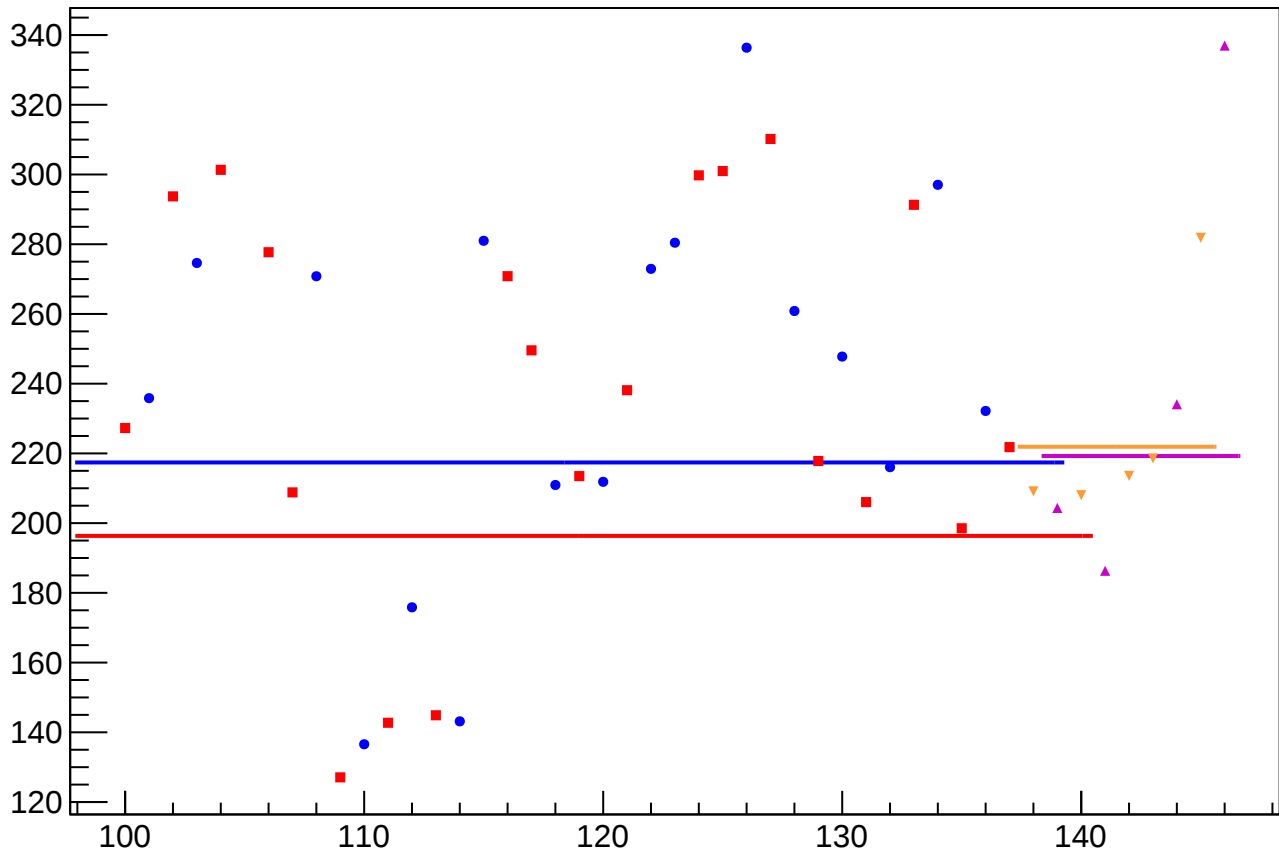
Right Out: 1123.337 ± 78.230 χ^2/NDF : 670.2/19

Left In: 740.451 ± 125.635 χ^2/NDF : 28.1/3

684.576 ± 71.592 χ^2/NDF : 676.6/21

1016.360 ± 66.408 χ^2/NDF : 705.0/23

asym_bcm0l02_rms vs Slug



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 221.914 $\pm$ 0.087 χ^2 /NDF: 82292.8/4

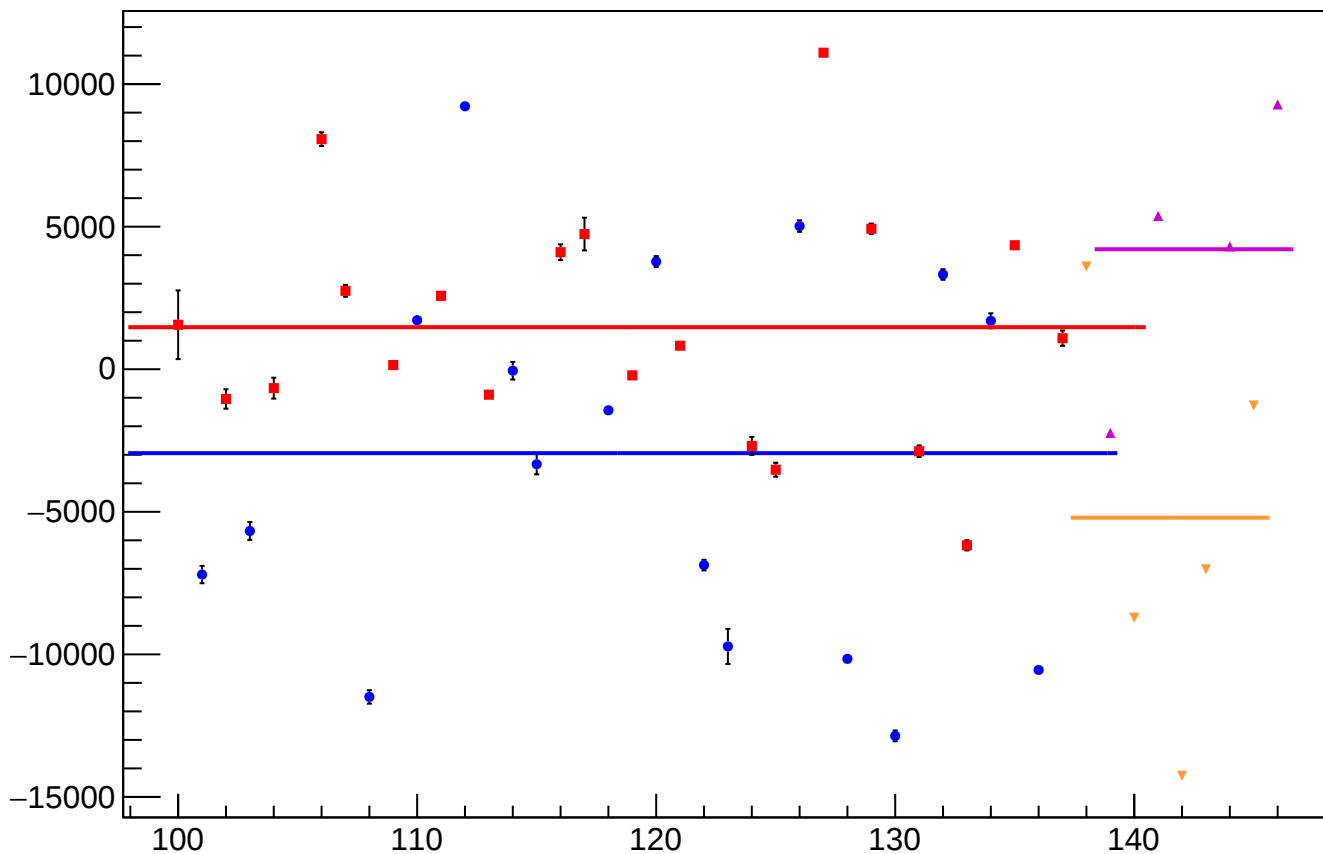
Right Out: 196.339 $\pm$ 0.055 χ^2 /NDF: 1194805.7/19

Left In: 219.254 $\pm$ 0.089 χ^2 /NDF: 258241.6/3

218.925 $\pm$ 0.051 χ^2 /NDF: 736701.2/21

202.741 $\pm$ 0.047 χ^2 /NDF: 1500994.3/23

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 χ^2/NDF : 20909.8/16

Left Out: -5207.482 ± 65.451 χ^2/NDF : 8060.9/4

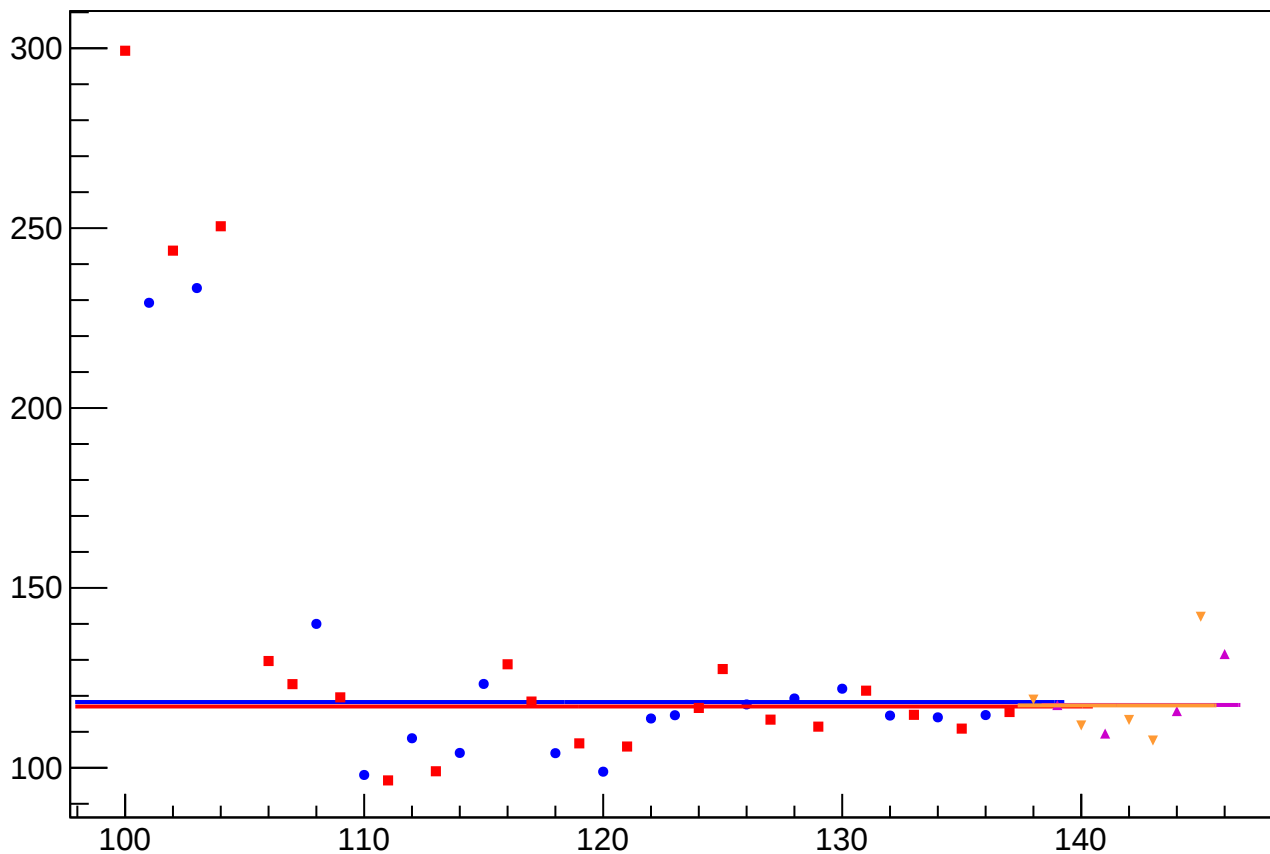
Right Out: 1474.497 ± 46.252 χ^2/NDF : 8028.6/19

Left In: 4208.242 ± 66.514 χ^2/NDF : 3335.7/3

-3748.157 ± 39.026 χ^2/NDF : 29742.1/21

2365.529 ± 37.974 χ^2/NDF : 12502.9/23

asym_bpm2i01WS_rms vs Slug



Right In: 118.286 ± 0.034 χ^2/NDF : 636918.0/16

Left Out: 117.347 ± 0.046 χ^2/NDF : 60285.9/4

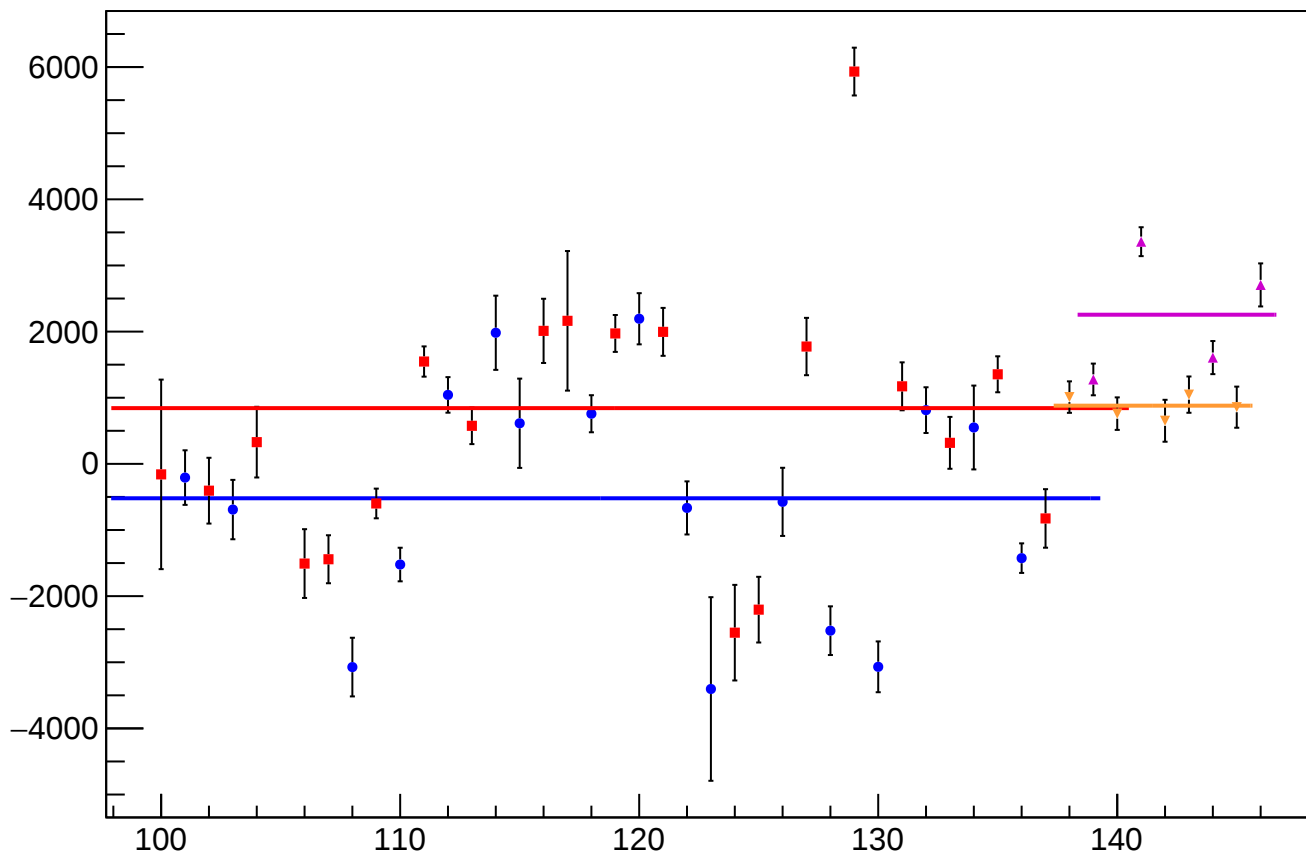
Right Out: 117.040 ± 0.033 χ^2/NDF : 690873.1/19

Left In: 117.466 ± 0.047 χ^2/NDF : 27405.7/3

117.952 ± 0.028 χ^2/NDF : 697468.7/21

117.179 ± 0.027 χ^2/NDF : 718334.2/23

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 $\chi^2/\text{NDF}: 288.1/16$

Left Out: 880.043 ± 121.460 $\chi^2/\text{NDF}: 1.4/4$

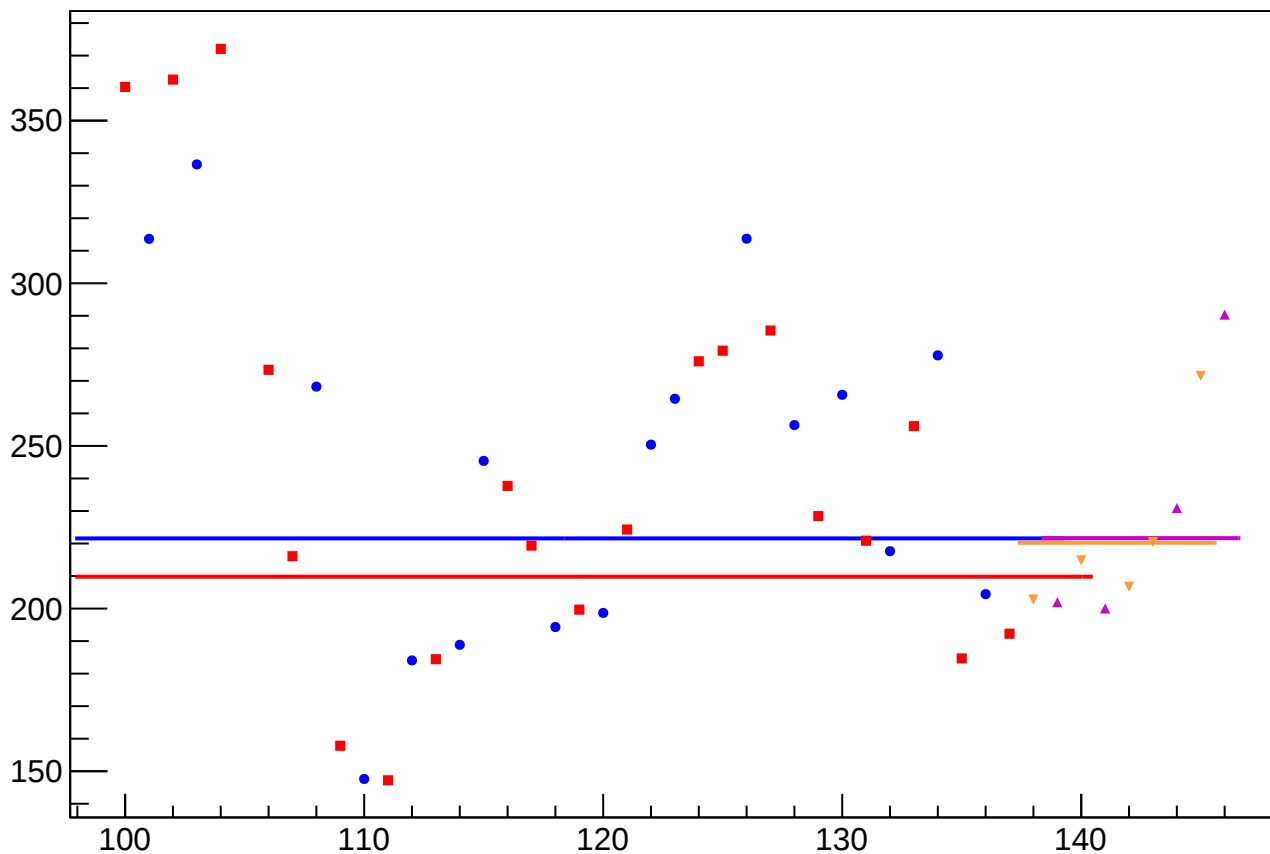
Right Out: 842.858 ± 82.024 $\chi^2/\text{NDF}: 436.3/19$

Left In: 2255.368 ± 125.236 $\chi^2/\text{NDF}: 50.9/3$

-29.346 ± 71.916 $\chi^2/\text{NDF}: 375.9/21$

1266.890 ± 68.617 $\chi^2/\text{NDF}: 576.2/23$

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 ± 0.063 χ^2/NDF : 644941.4/16

Left Out: 220.242 ± 0.086 χ^2/NDF : 69780.5/4

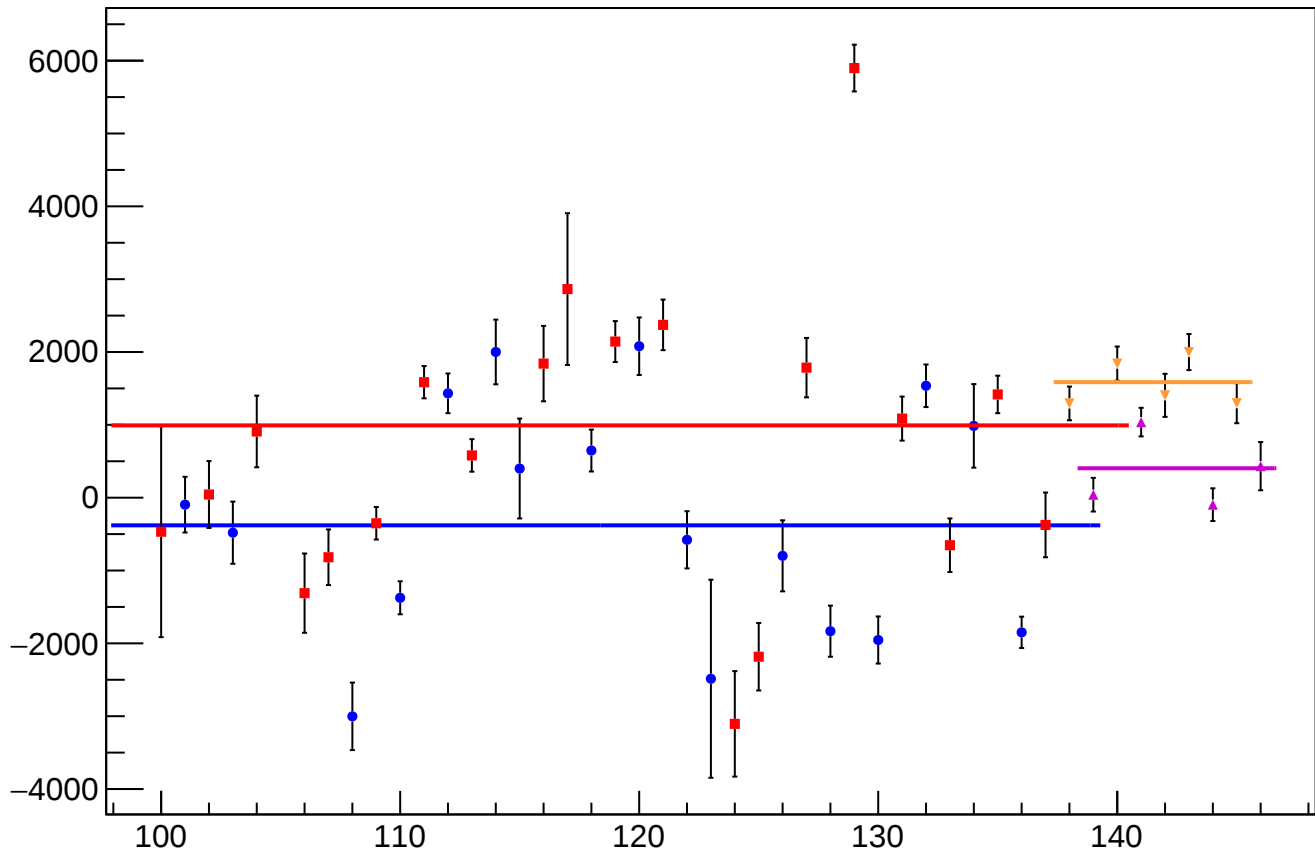
Right Out: 209.794 ± 0.058 χ^2/NDF : 884087.4/19

Left In: 221.661 ± 0.089 χ^2/NDF : 124943.0/3

221.104 ± 0.051 χ^2/NDF : 714877.0/21

213.357 ± 0.049 χ^2/NDF : 1021597.4/23

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1586.267 ± 113.344 χ^2/NDF : 7.0/4

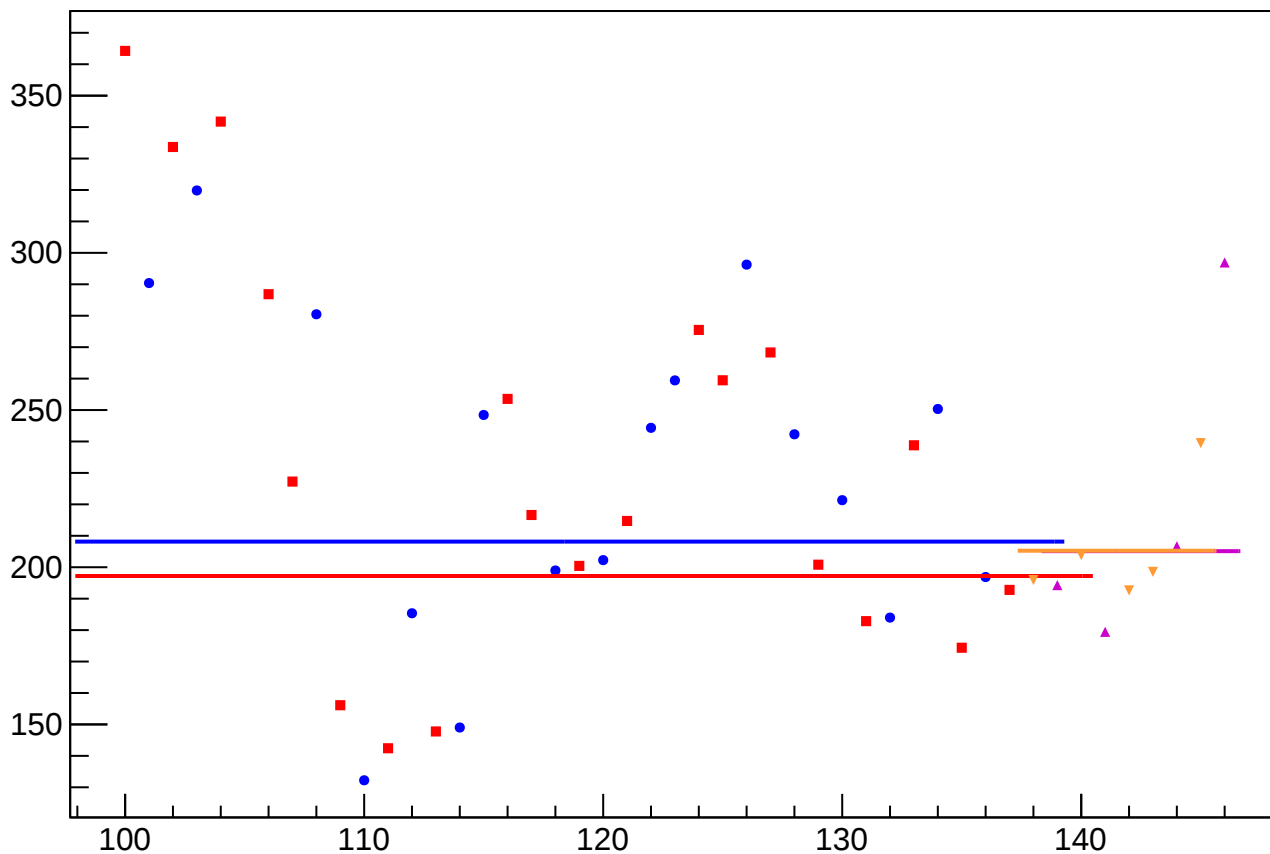
Right Out: 992.944 ± 77.509 χ^2/NDF : 479.5/19

Left In: 404.143 ± 116.491 χ^2/NDF : 17.9/3

320.094 ± 67.621 χ^2/NDF : 517.9/21

812.263 ± 64.530 χ^2/NDF : 515.1/23

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 205.249+/-0.080 χ^2/NDF : 39436.4/4

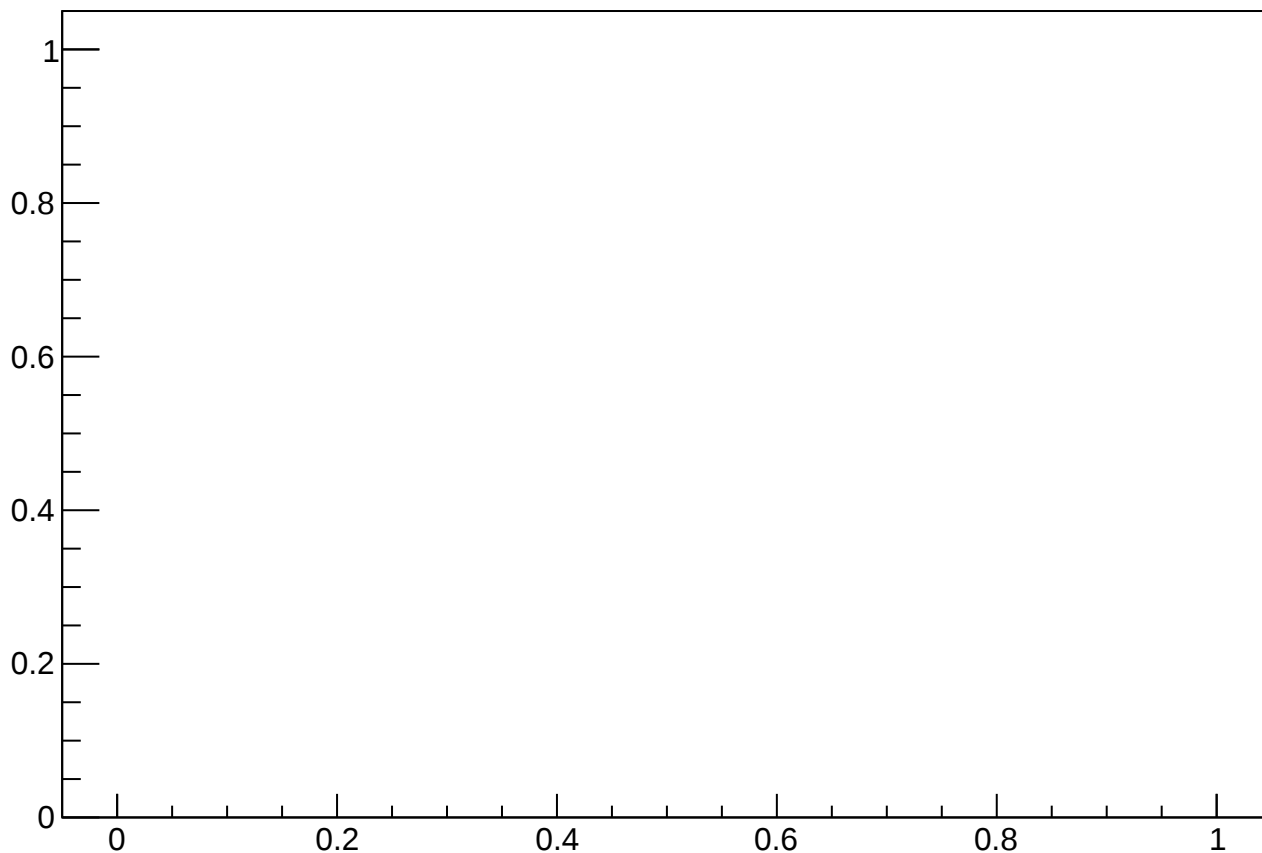
Right Out: 197.210+/-0.055 χ^2/NDF : 927165.0/19

Left In: 205.114+/-0.082 χ^2/NDF : 192626.1/3

207.118+/-0.048 χ^2/NDF : 739364.9/21

199.636+/-0.046 χ^2/NDF : 1126172.9/23

bcm_an_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

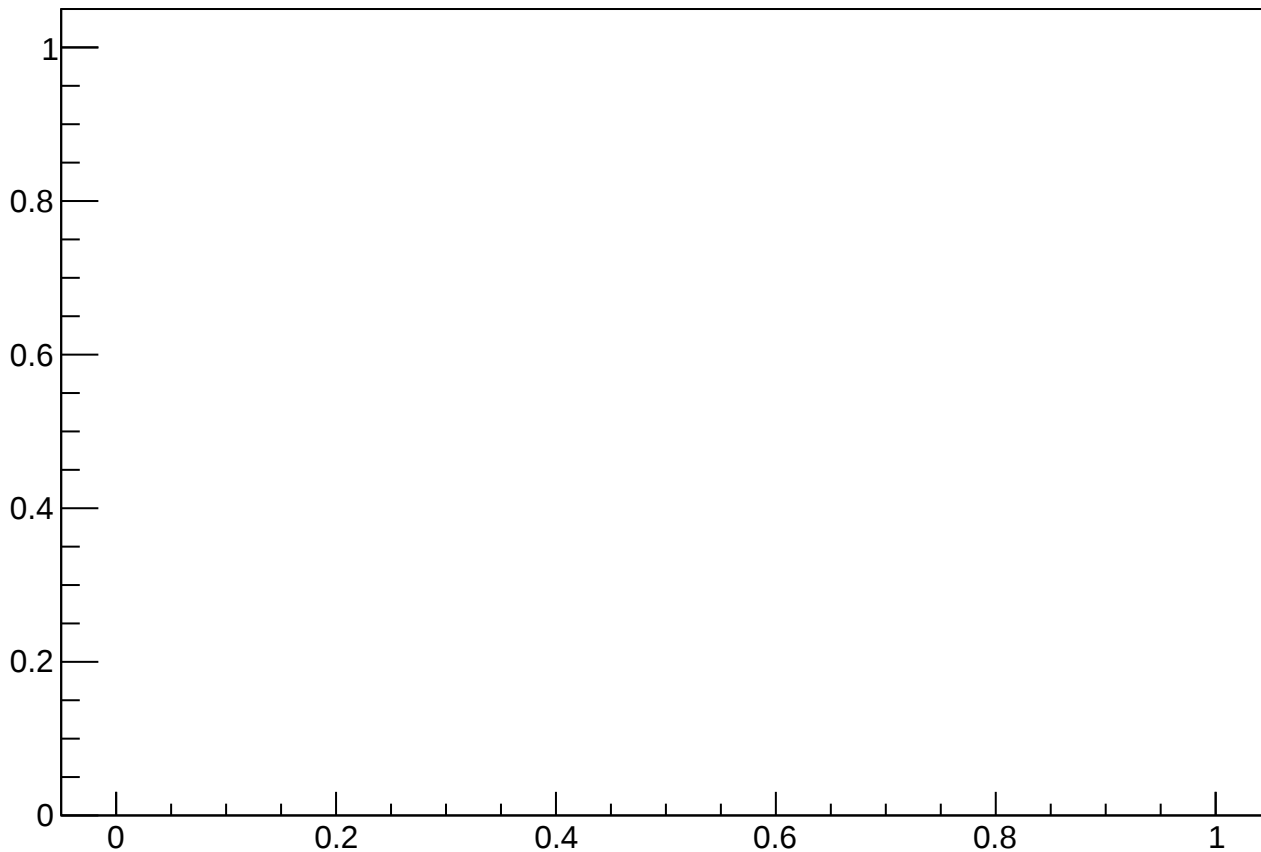
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_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

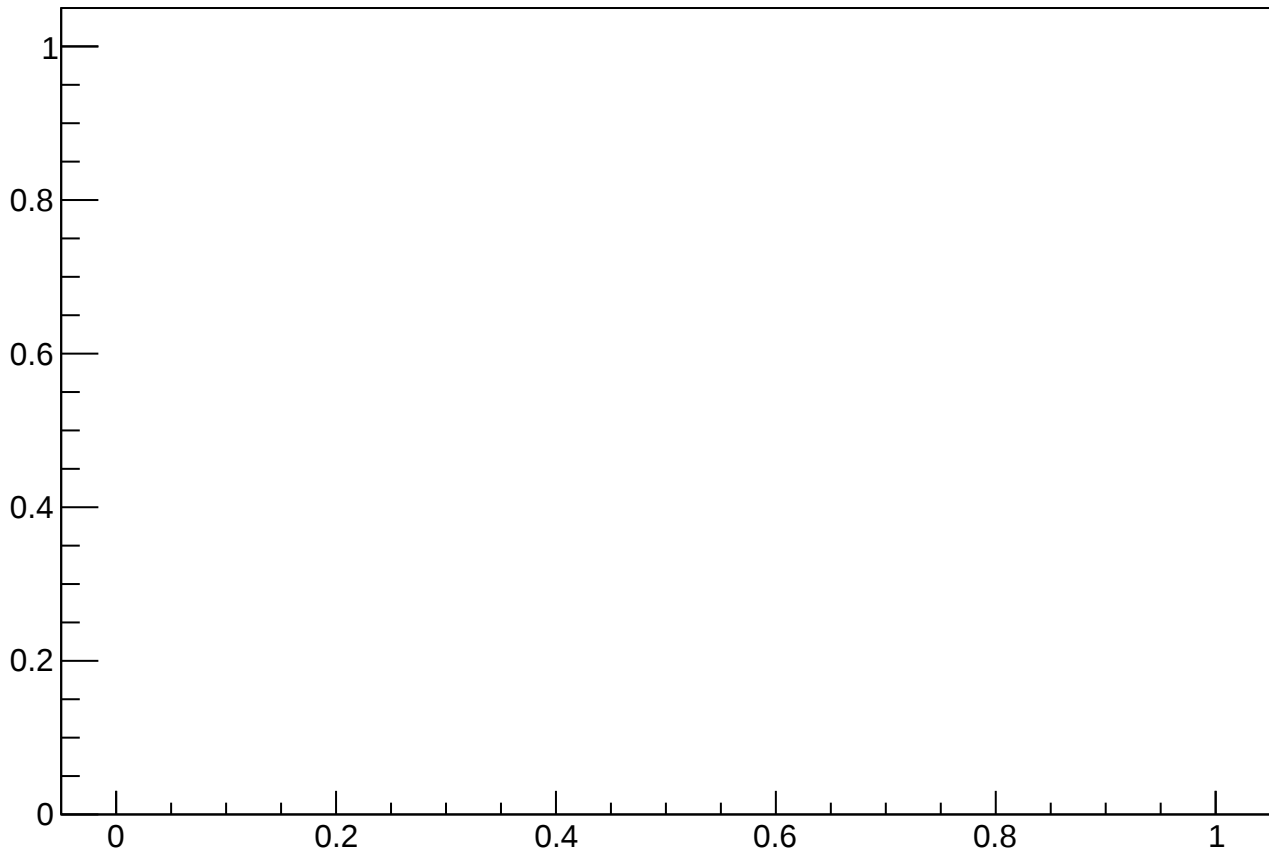
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_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

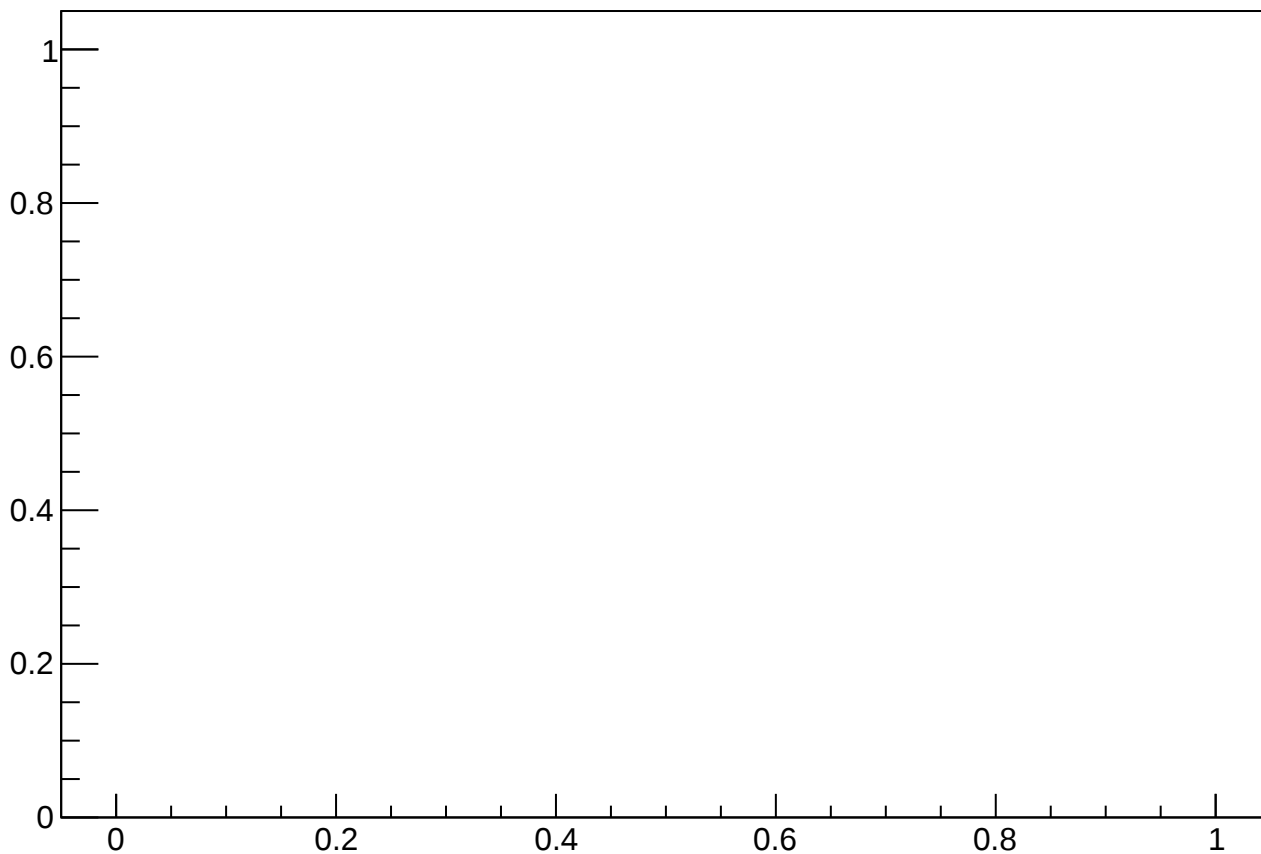
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_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

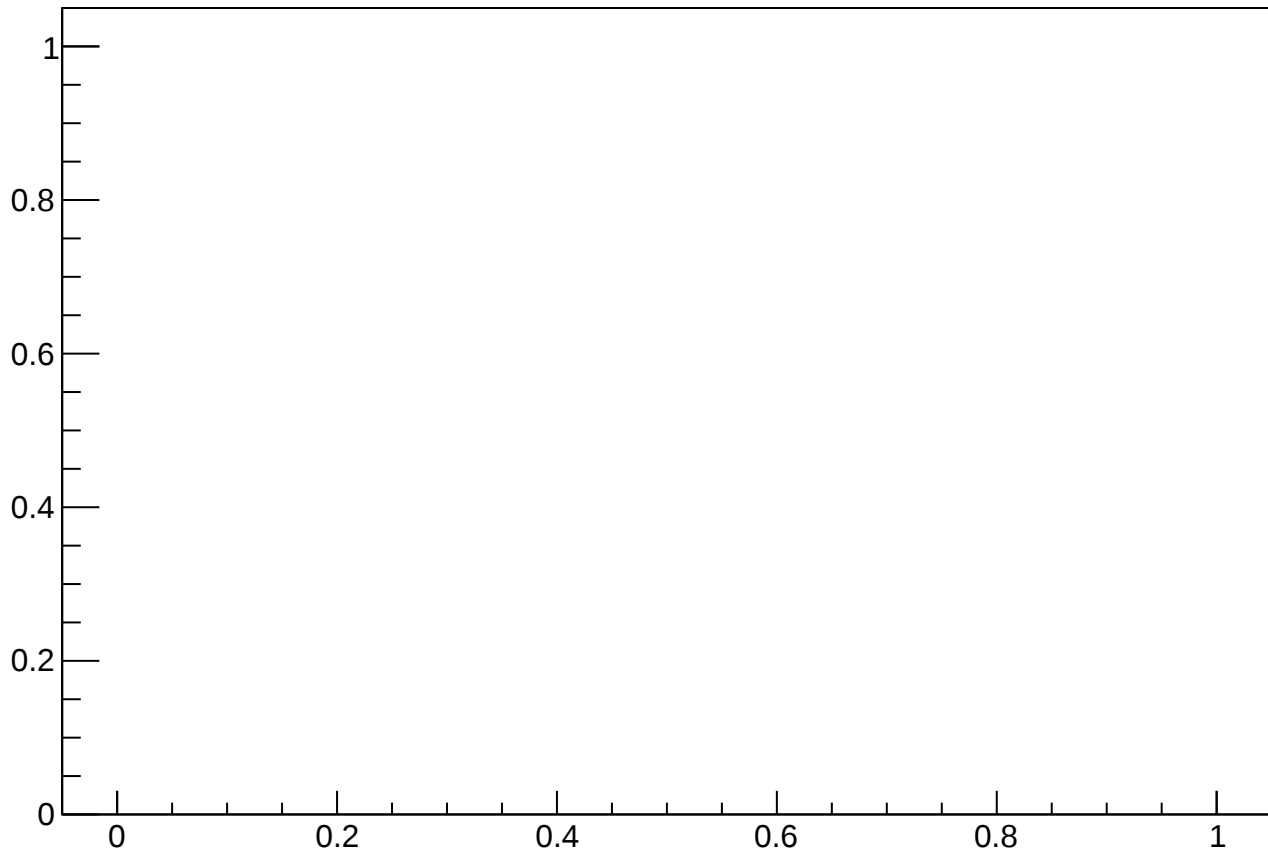
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



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

0.000+/-0.000 χ^2 /NDF: 0.0/0

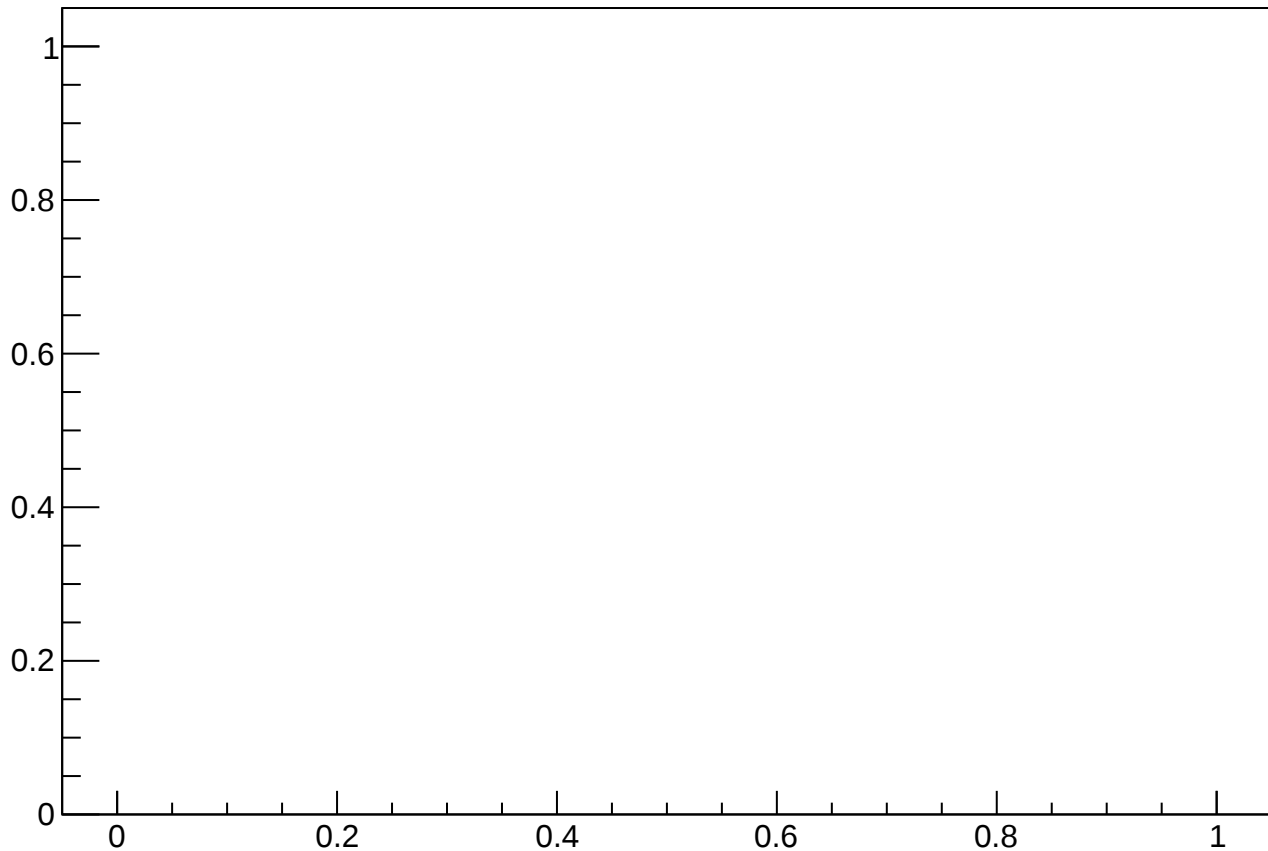
Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

bcm_dg_ds_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

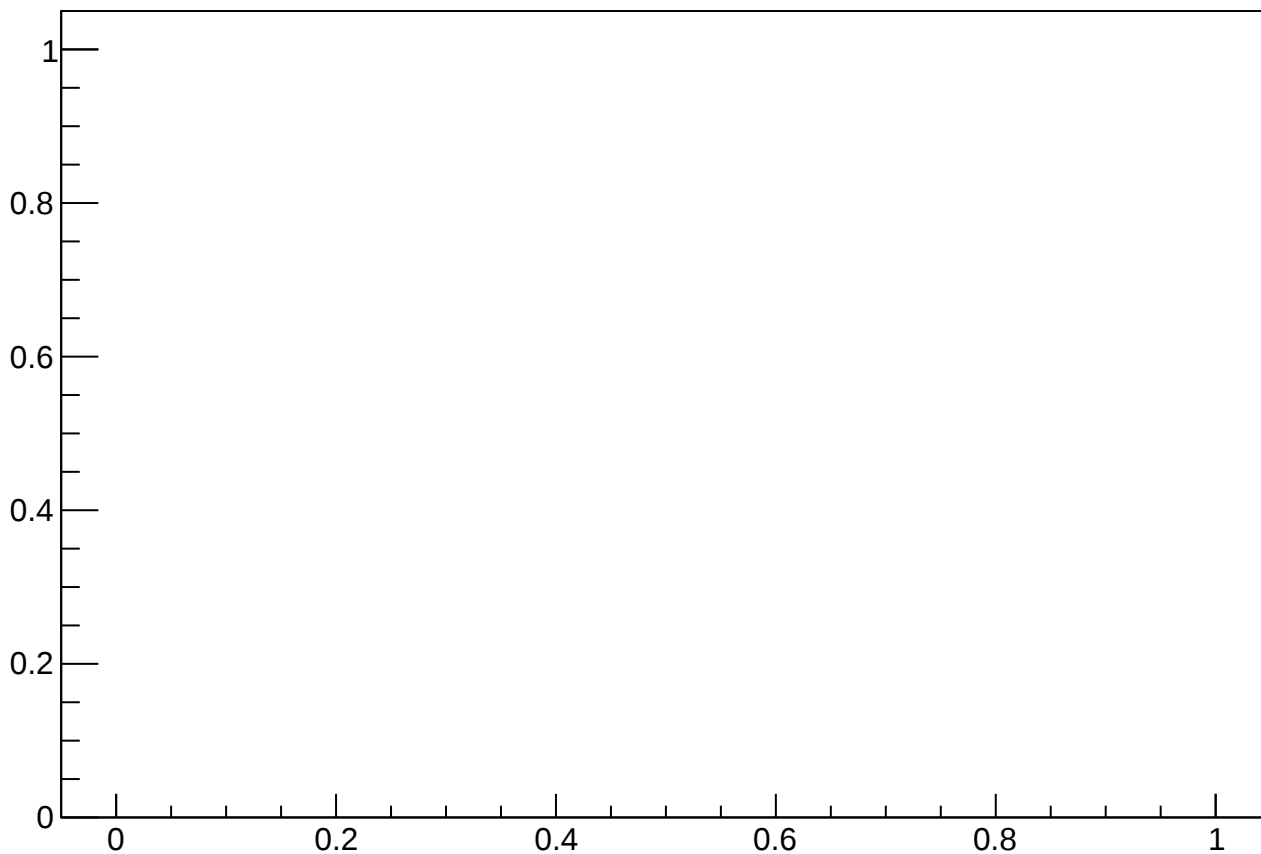
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-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

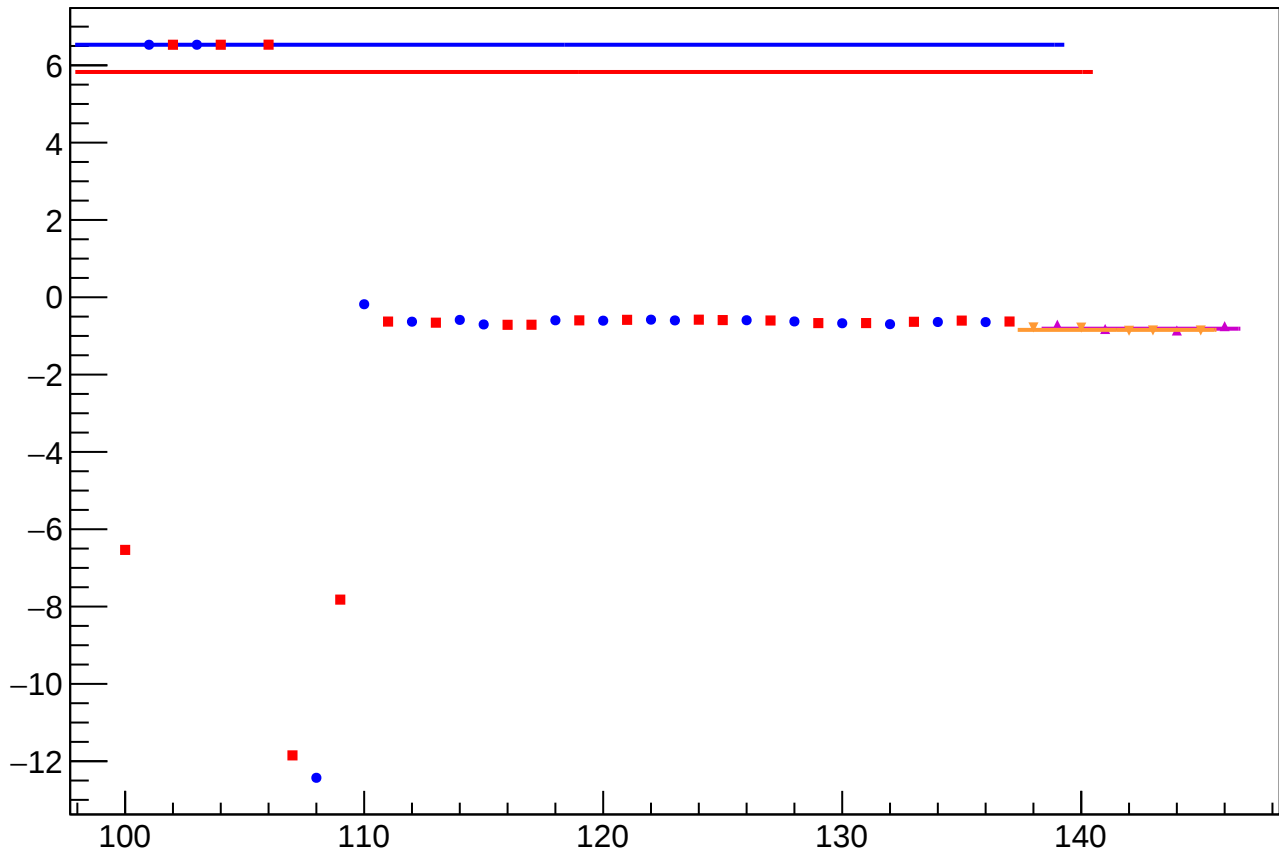
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127219747629.7/16

Left Out: -0.843 $\pm$ 0.000 χ^2 /NDF: 3141282.6/4

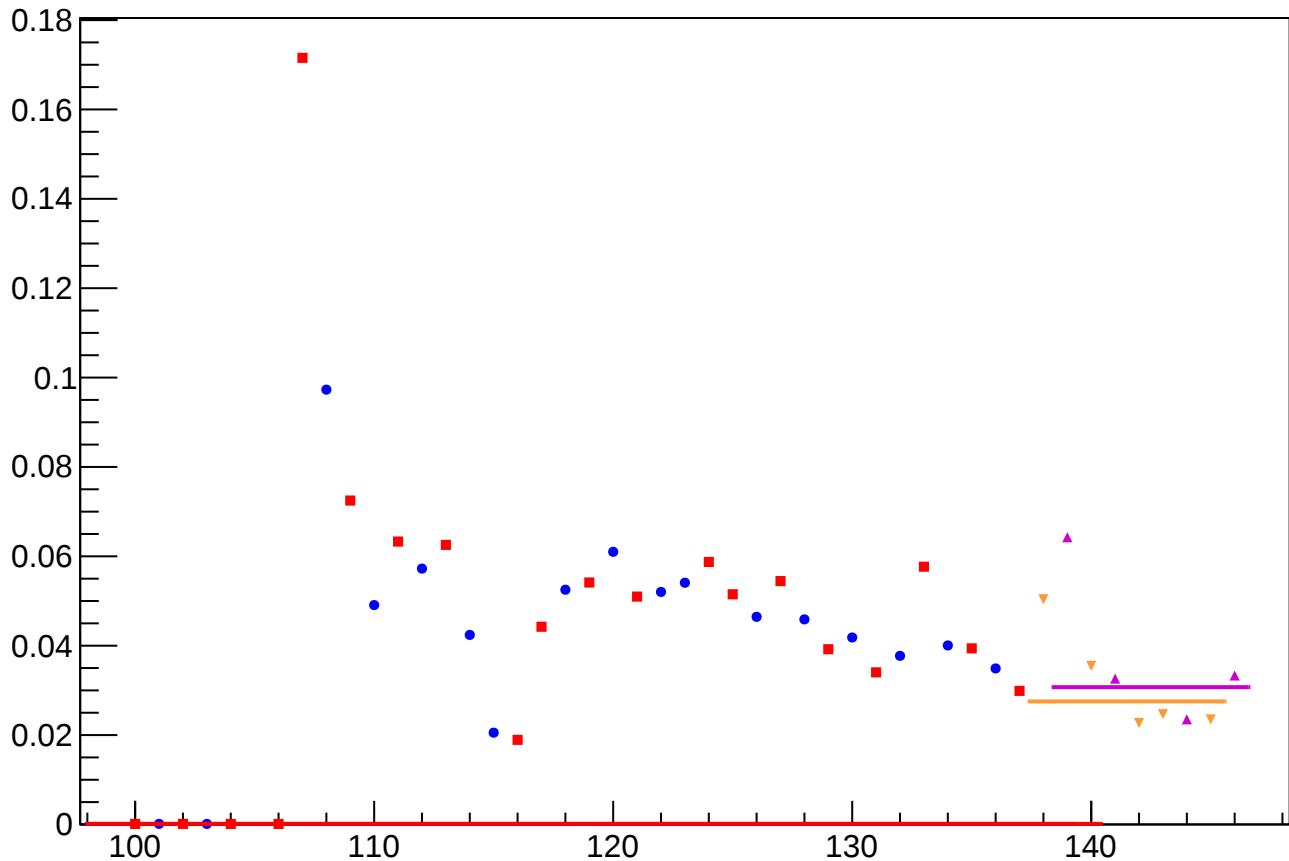
Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755964092355063.0/19

Left In: -0.813 $\pm$ 0.000 χ^2 /NDF: 6802446.1/3

6.531 $\pm$ 0.000 χ^2 /NDF: 289054867546.3/21

5.827 $\pm$ 0.000 χ^2 /NDF: 756070974416949.5/23

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.028+/-0.000 χ^2/NDF :374728.4/4

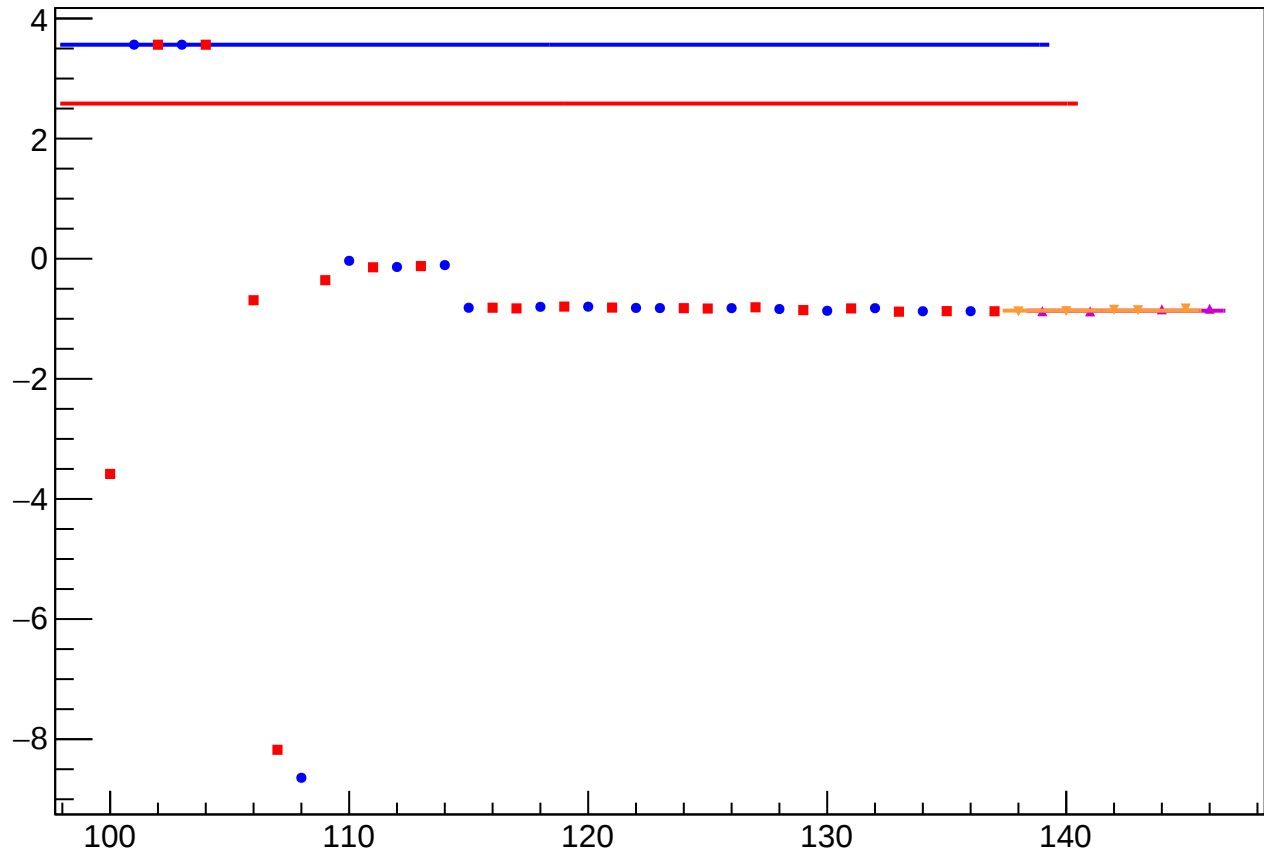
Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

Left In: 0.031+/-0.000 χ^2/NDF :510656.5/3

0.000+/-0.000 χ^2/NDF : 13732922.4/21

0.000+/-0.000 χ^2/NDF : 14479625.0/23

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.864+/-0.000 χ^2/NDF : 11513108.3/4

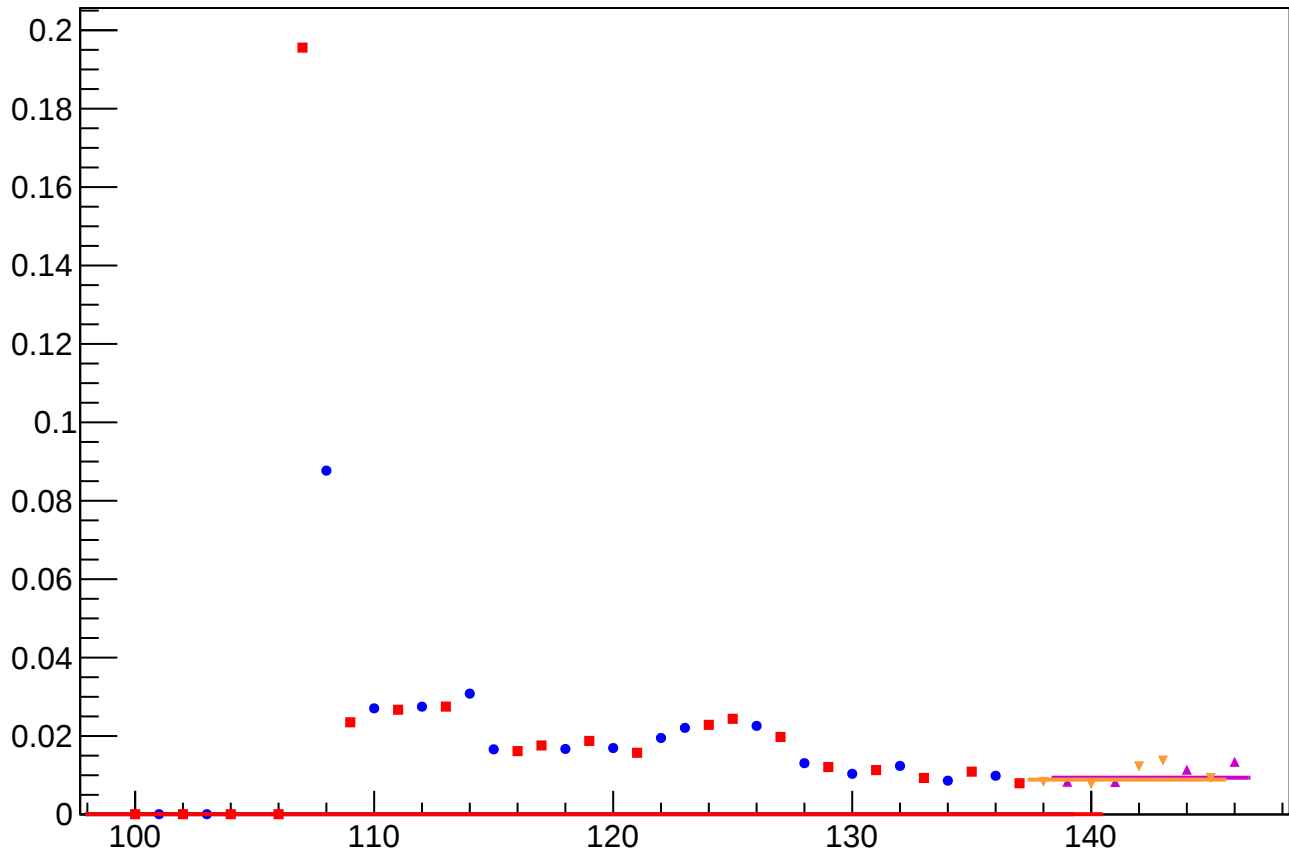
Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

Left In: -0.865+/-0.000 χ^2/NDF : 8409735.0/3

3.563+/-0.000 χ^2/NDF : 1148535745722.6/21

2.583+/-0.000 χ^2/NDF : 1253858405017594.5/2

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 :203066.3/4

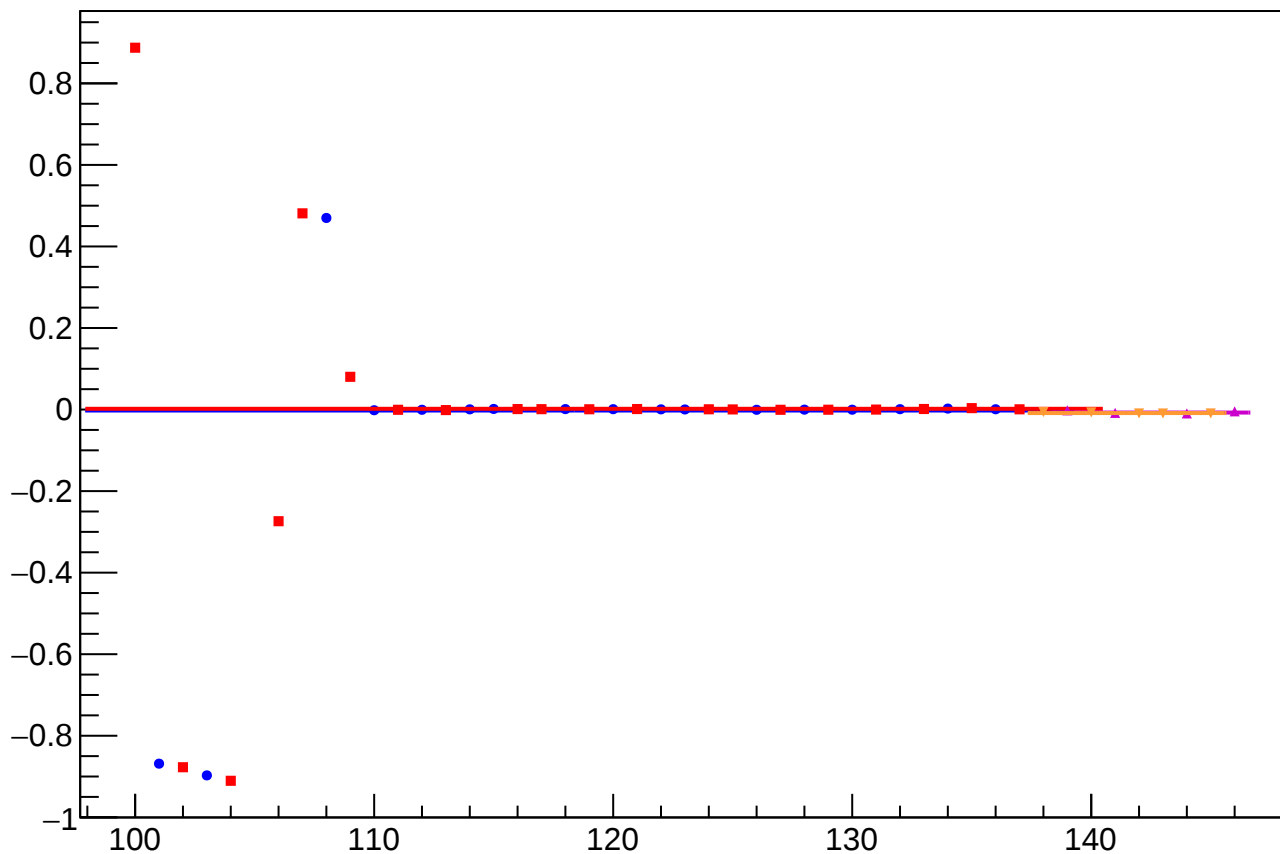
Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

Left In: 0.009+/-0.000 χ^2/NDF :201348.3/3

0.000+/-0.000 χ^2/NDF : 15215773.3/21

0.000+/-0.000 χ^2/NDF : 15311422.6/23

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.009+/-0.000 χ^2/NDF : 2577732.6/4

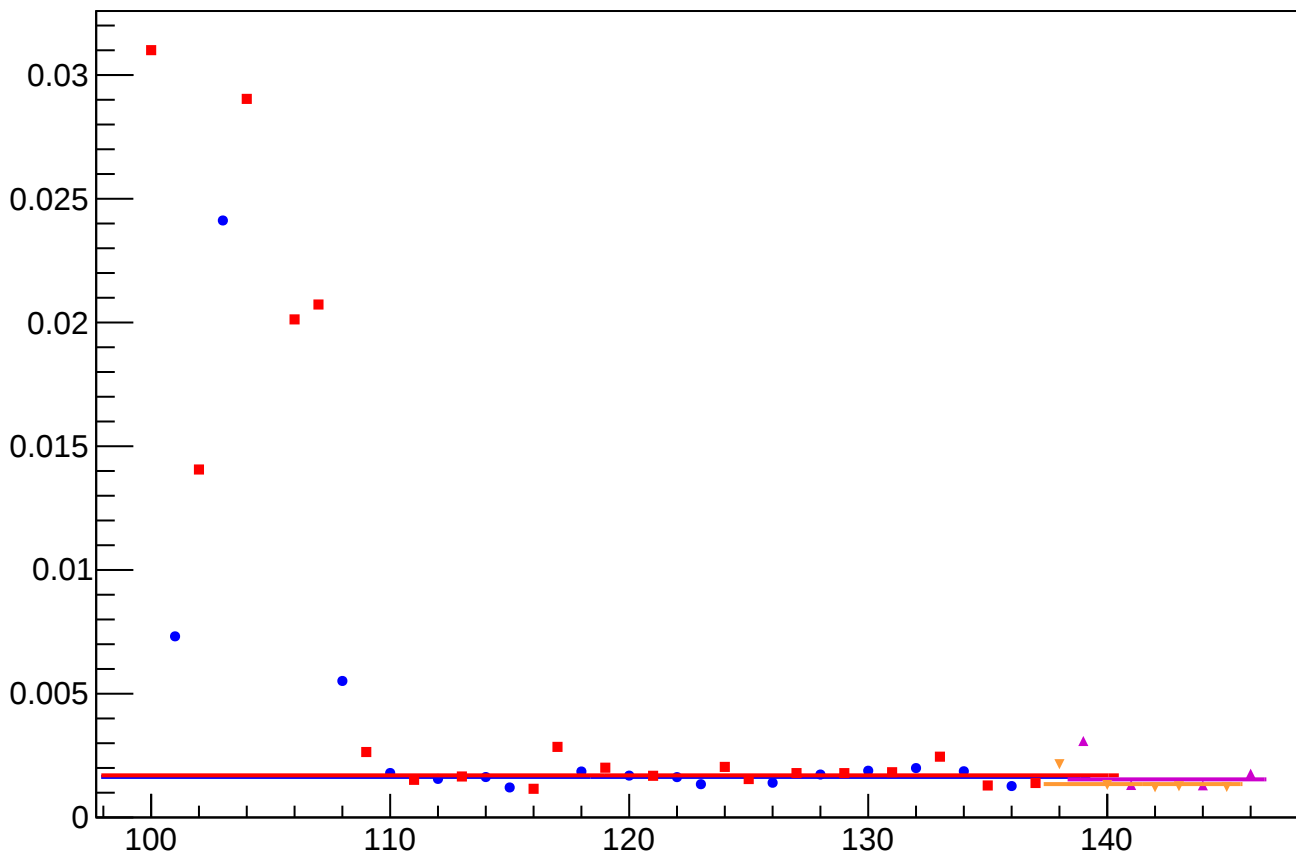
Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

Left In: -0.007+/-0.000 χ^2/NDF : 5958663.1/3

-0.005+/-0.000 χ^2/NDF : 9825299008.3/21

-0.002+/-0.000 χ^2/NDF : 3098490911.4/23

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.001+/-0.000 χ^2/NDF :187731.4/4

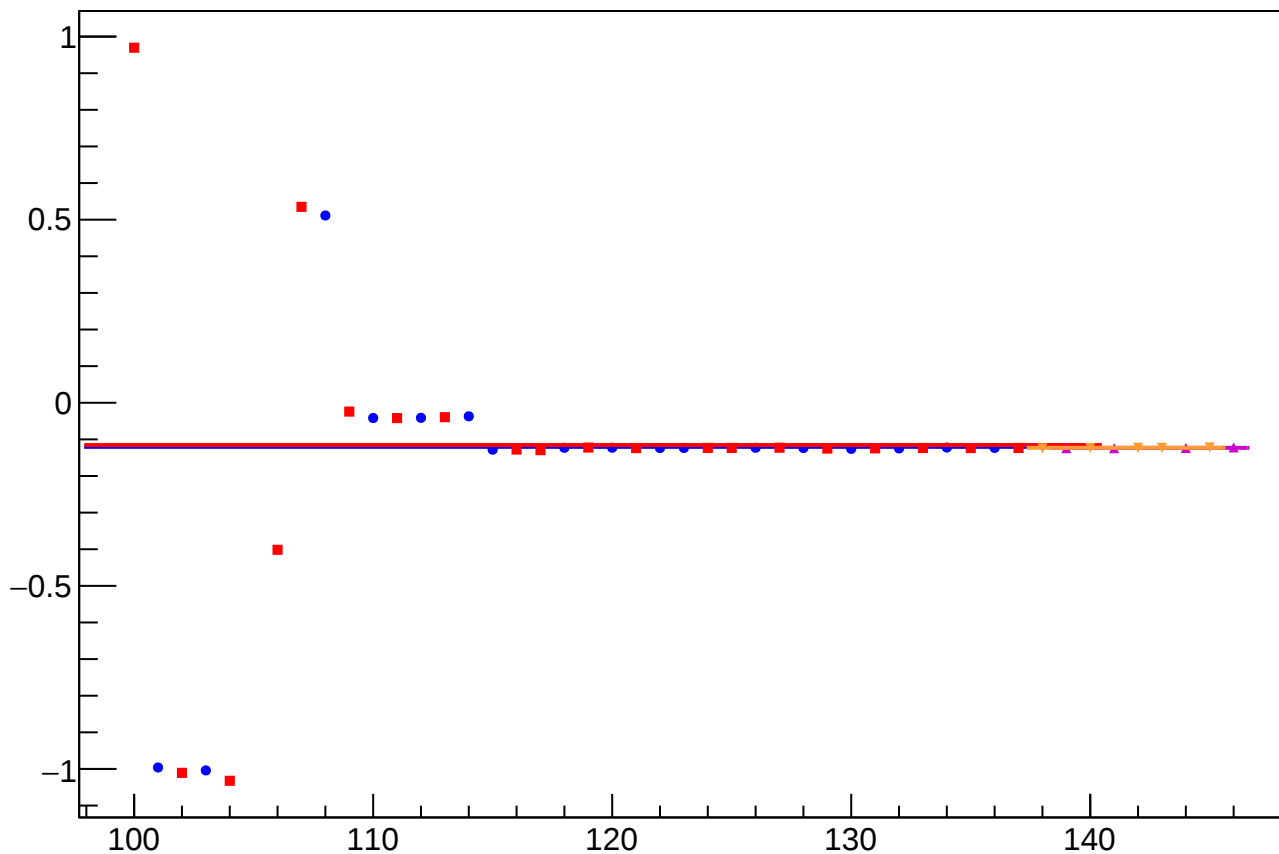
Right Out: 0.002+/-0.000 χ^2/NDF : 3037006.7/19

Left In: 0.002+/-0.000 χ^2/NDF :461606.5/3

0.002+/-0.000 χ^2/NDF : 2224835.6/21

0.002+/-0.000 χ^2/NDF : 3530469.1/23

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.123+/-0.000 χ^2/NDF : 1689443.2/4

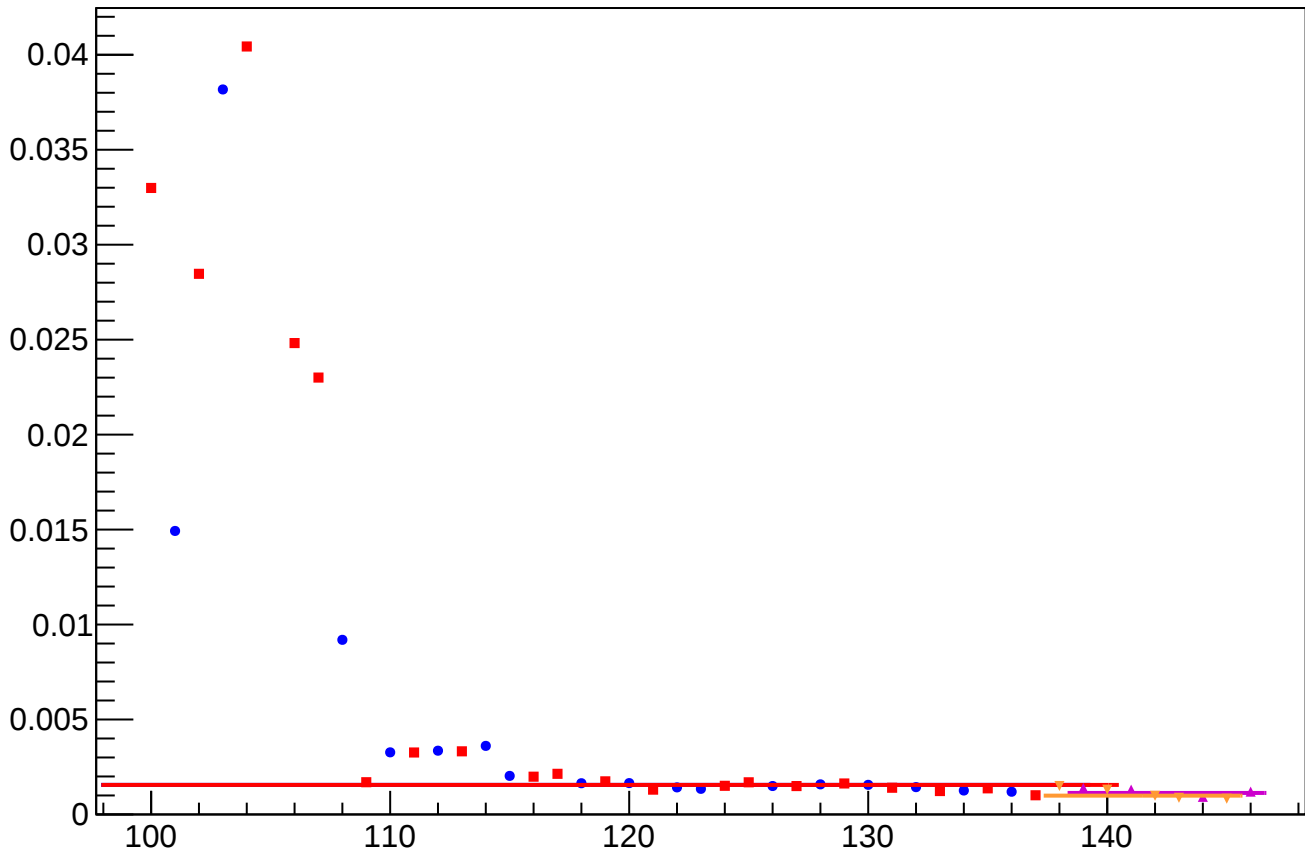
Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

Left In: -0.123+/-0.000 χ^2/NDF : 1440434.7/3

-0.122+/-0.000 χ^2/NDF : 3941787195.5/21

-0.120+/-0.000 χ^2/NDF : 2520774942.0/23

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 :301209.4/4

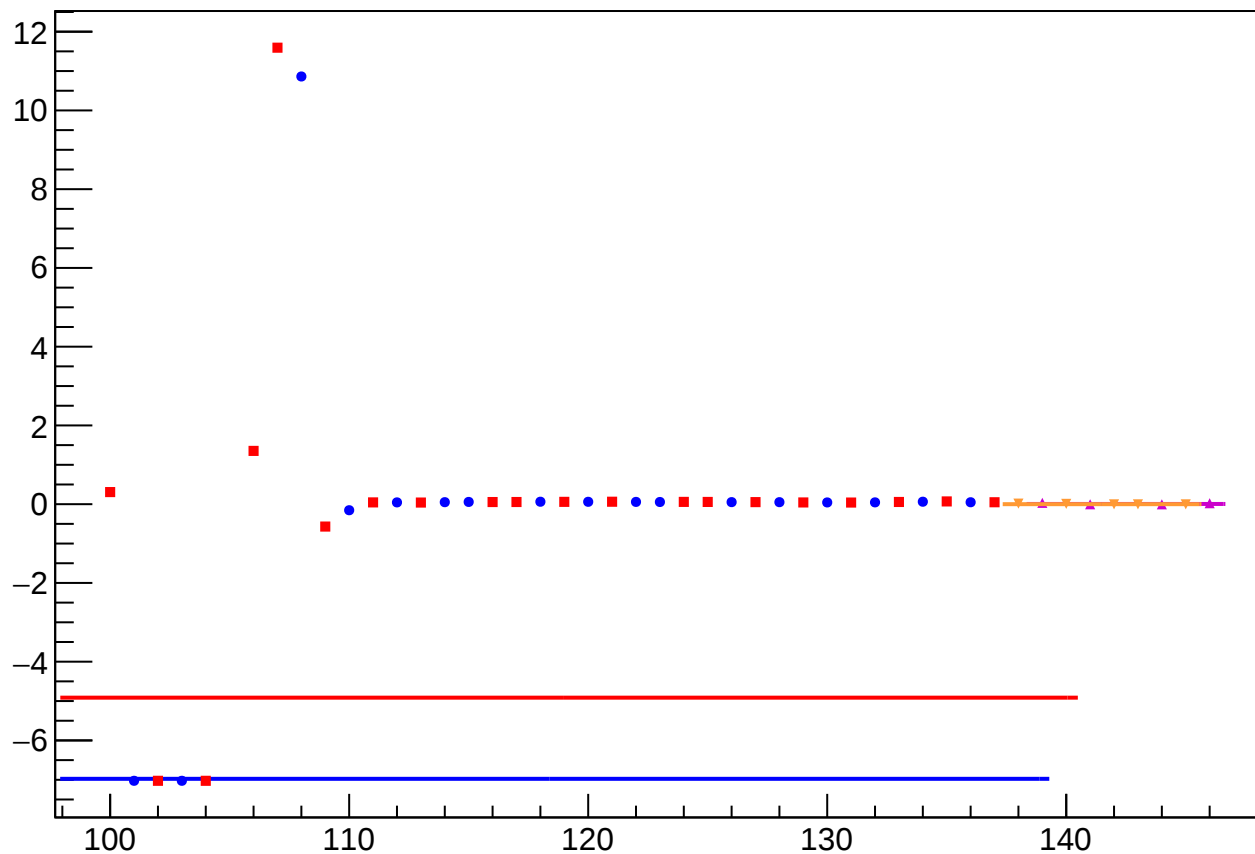
0.001+/-0.000 χ^2/NDF : 3940780.2/21

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

0.001+/-0.000 χ^2/NDF : 4065252.9/23

Left In: 0.001+/-0.000 χ^2/NDF :155040.3/3

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.000+/-0.000 χ^2/NDF :1770990.9/4

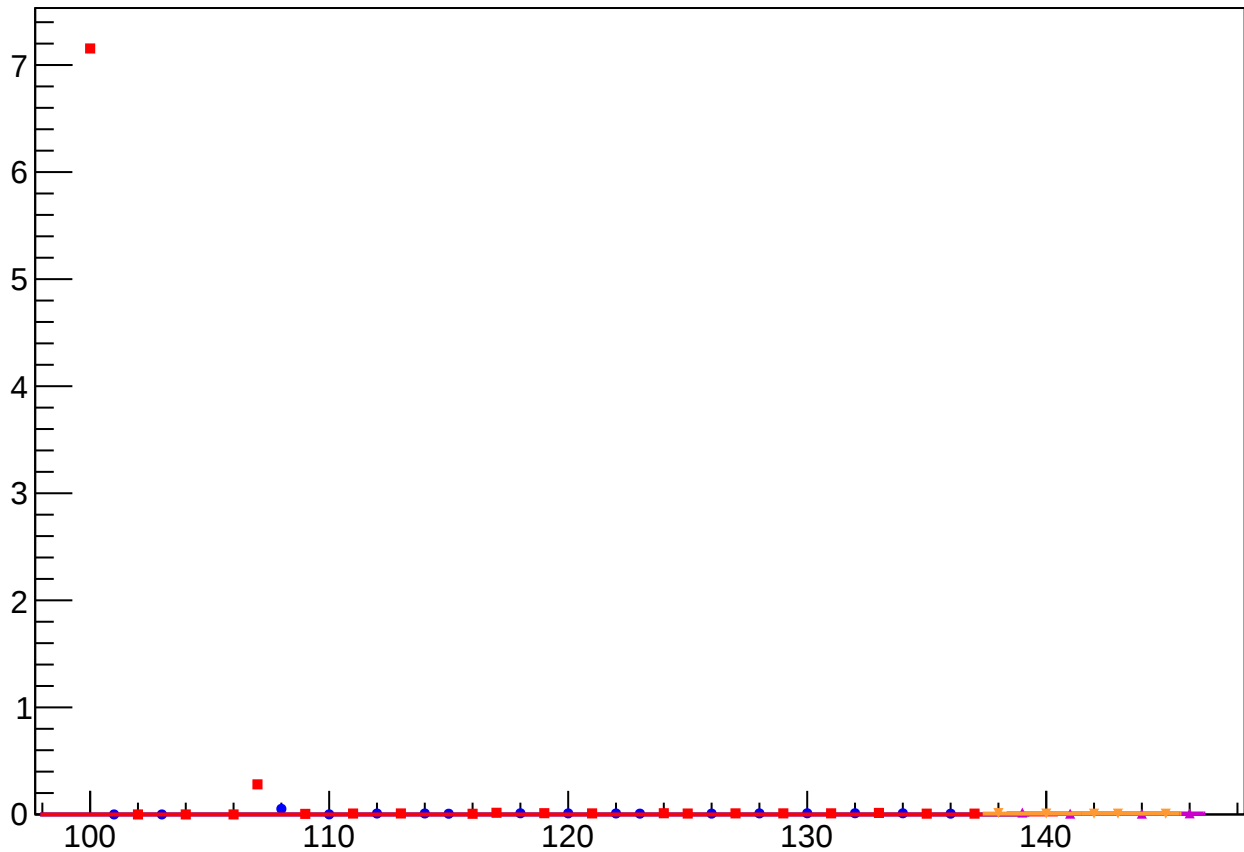
Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

Left In: 0.006+/-0.000 χ^2/NDF :5469297.9/3

-6.965+/-0.000 χ^2/NDF : 10523223913682.5/21

-4.909+/-0.000 χ^2/NDF : 366067000470364.4/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.008+/-0.000 χ^2/NDF :193543.6/4

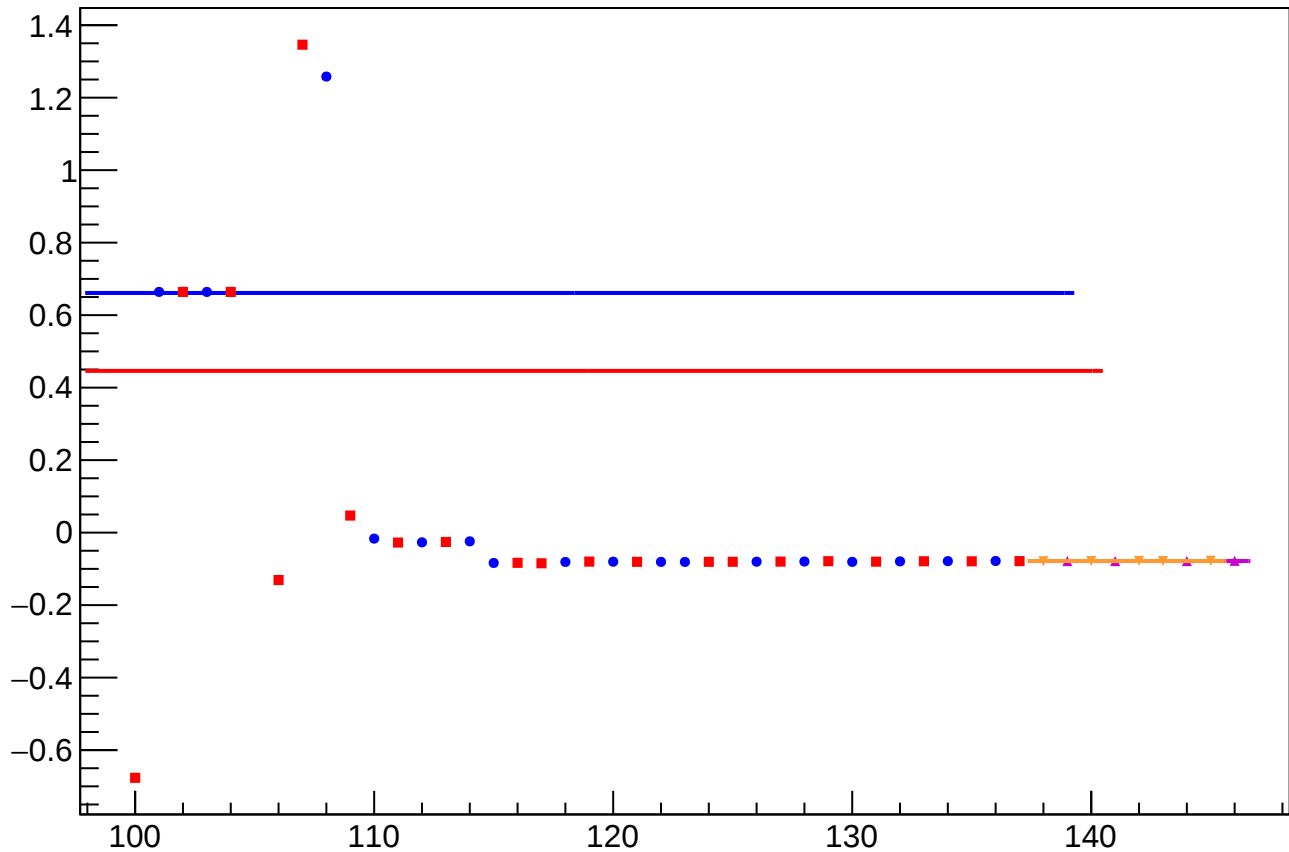
Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

Left In: 0.009+/-0.000 χ^2/NDF :459315.1/3

0.000+/-0.000 χ^2/NDF : 12859512.7/21

0.000+/-0.000 χ^2/NDF : 13815958.5/23

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5607525081216.0/16

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 2095030.1/4

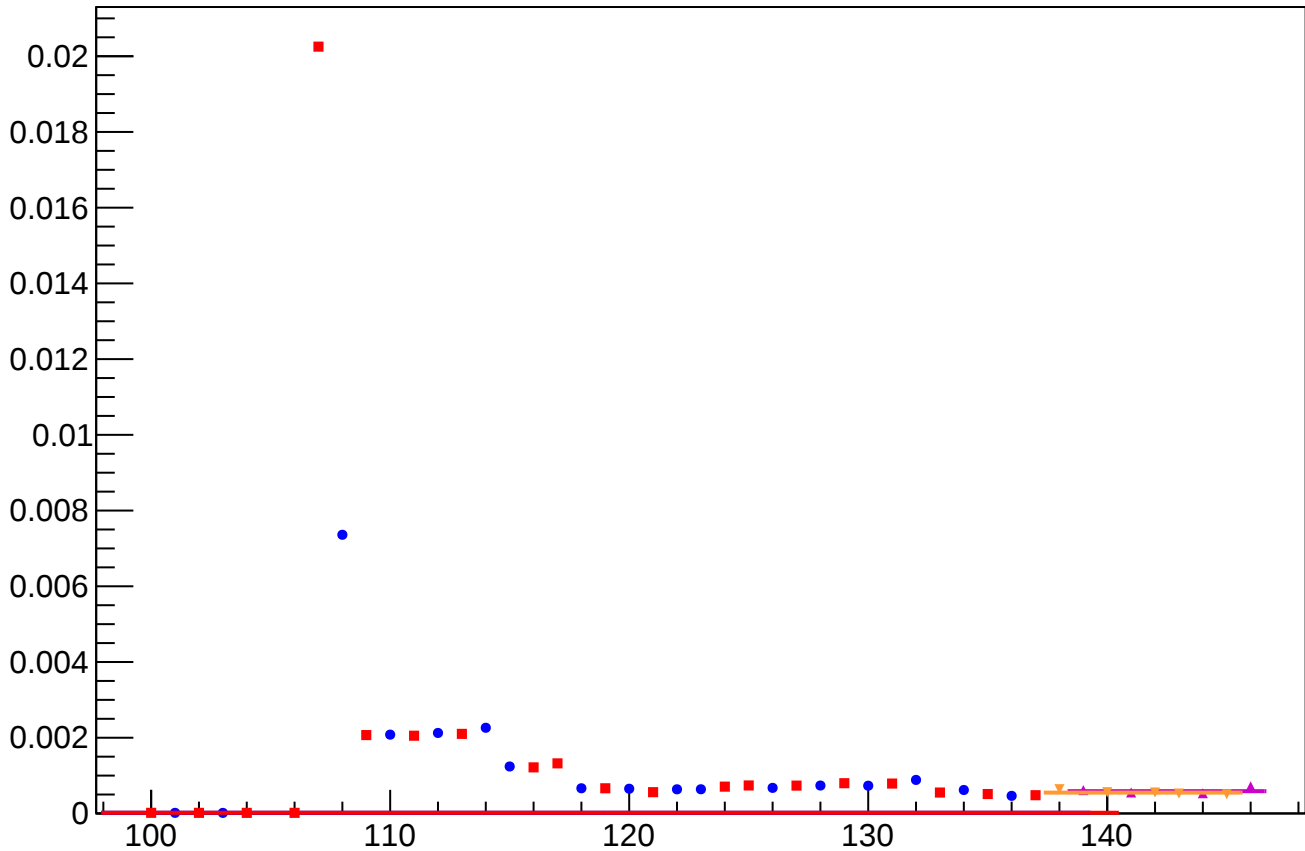
Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405423069582977.9/19

Left In: -0.078 $\pm$ 0.000 χ^2 /NDF: 588251.5/3

0.658 $\pm$ 0.000 χ^2 /NDF: 11295588592668.1/21

0.445 $\pm$ 0.000 χ^2 /NDF: 407831184953819.2/23

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 : 41695.9/4

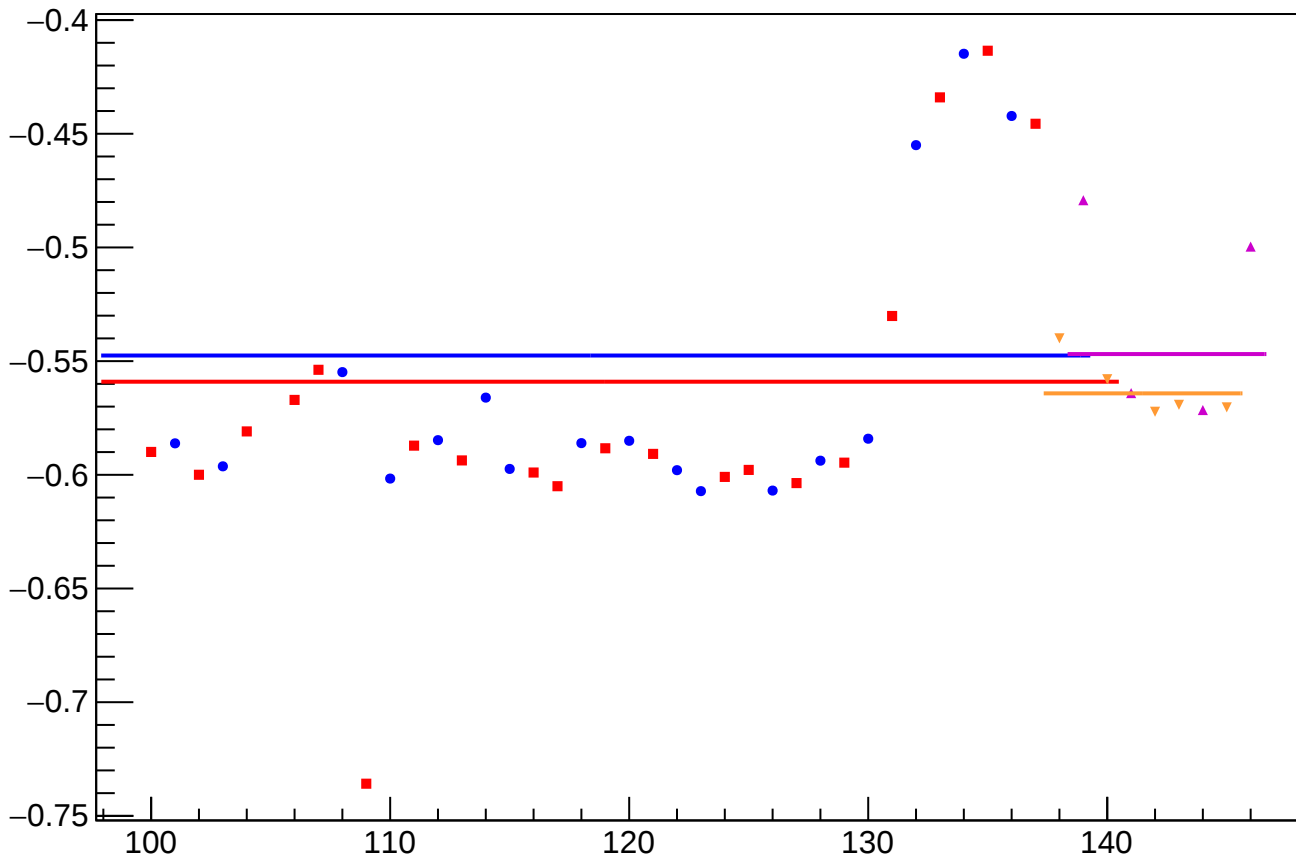
Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

Left In: 0.001+/-0.000 χ^2/NDF : 73984.8/3

0.000+/-0.000 χ^2/NDF : 15808273.6/21

0.000+/-0.000 χ^2/NDF : 15320374.5/23

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.564+/-0.000 χ^2/NDF : 701651.1/4

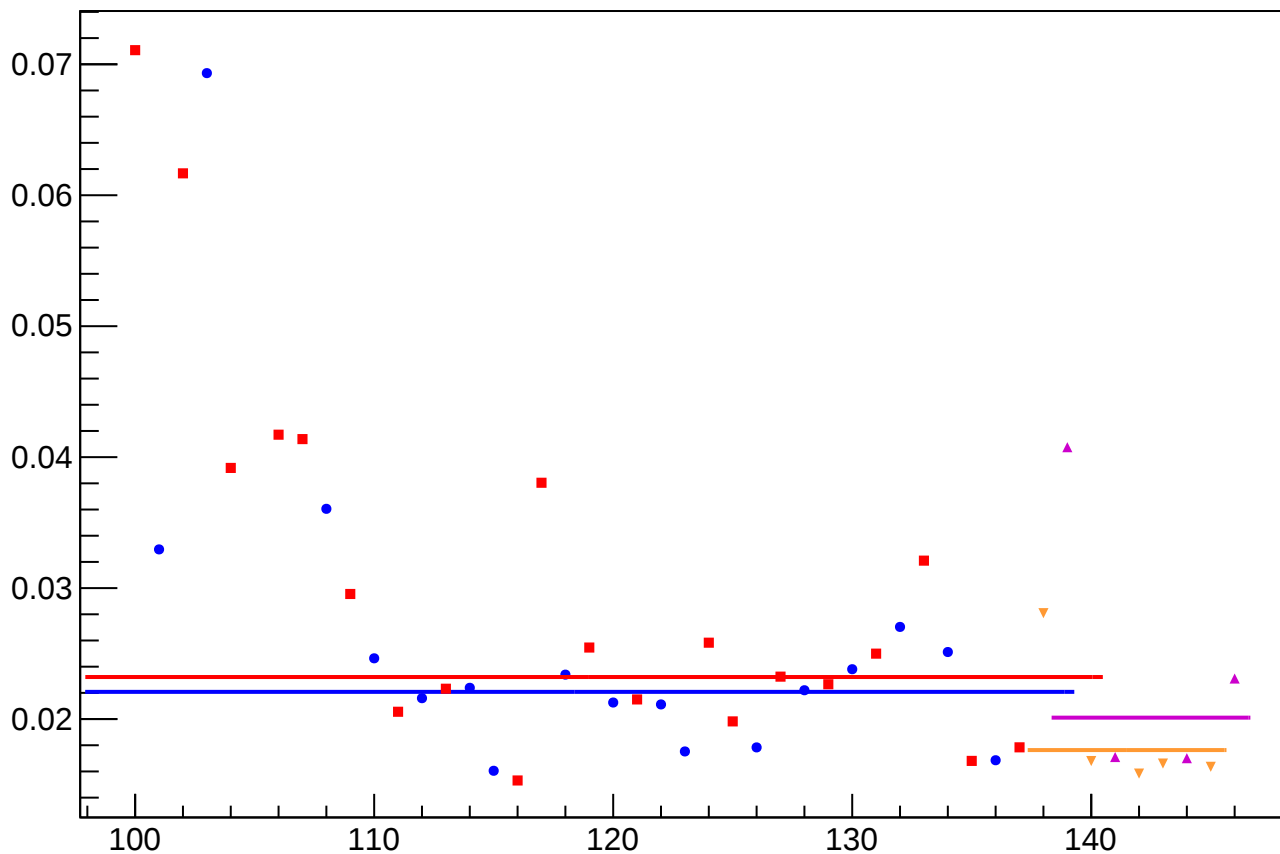
Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

Left In: -0.547+/-0.000 χ^2/NDF : 6590400.0/3

-0.554+/-0.000 χ^2/NDF : 50440086.1/21

-0.555+/-0.000 χ^2/NDF : 72520201.1/23

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 954779.5/16

Left Out: 0.018 ± 0.000 χ^2/NDF : 183483.7/4

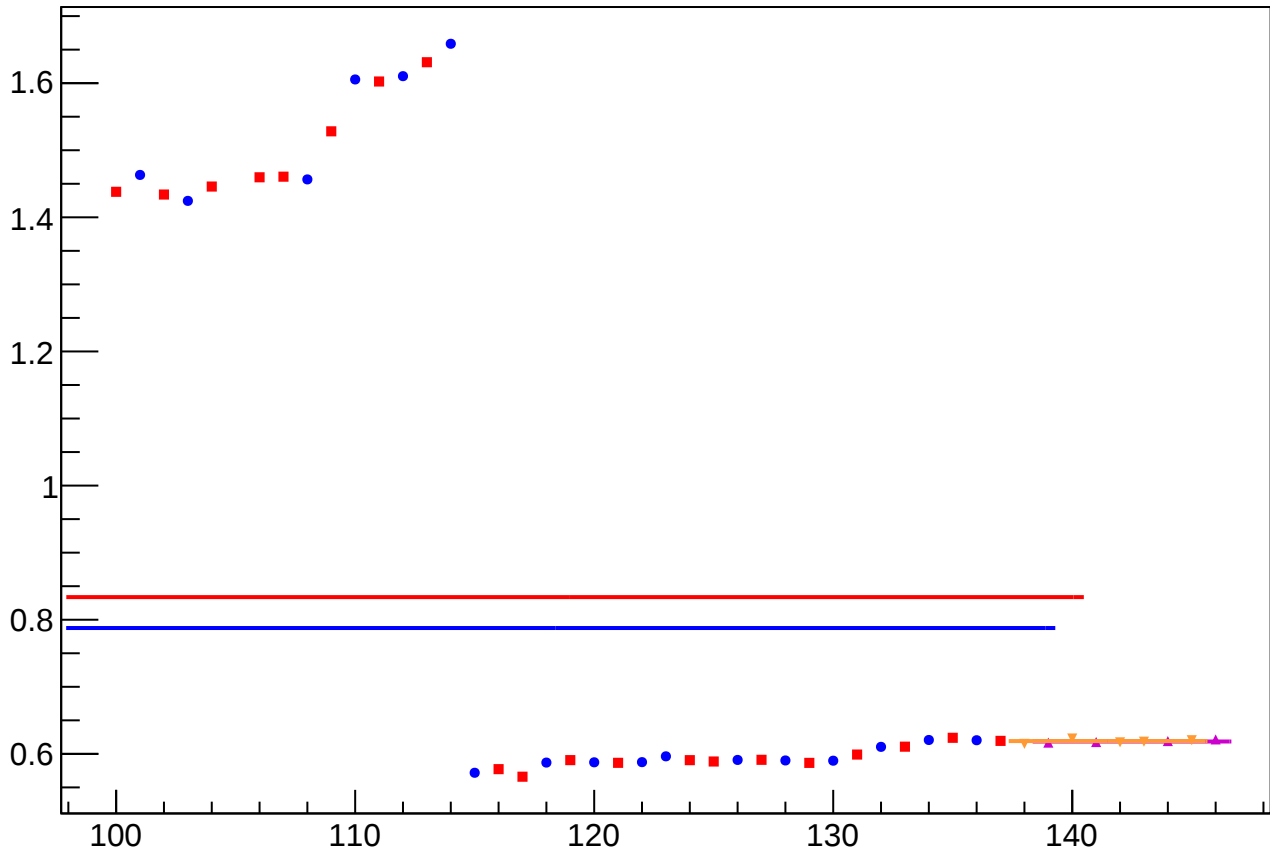
Right Out: 0.023 ± 0.000 χ^2/NDF : 1169013.8/19

Left In: 0.020 ± 0.000 χ^2/NDF : 468881.6/3

0.020 ± 0.000 χ^2/NDF : 1308397.3/21

0.022 ± 0.000 χ^2/NDF : 1708233.0/23

yield_bpm4aY_mean vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.619 $\pm$ 0.000 χ^2 /NDF:193595.3/4

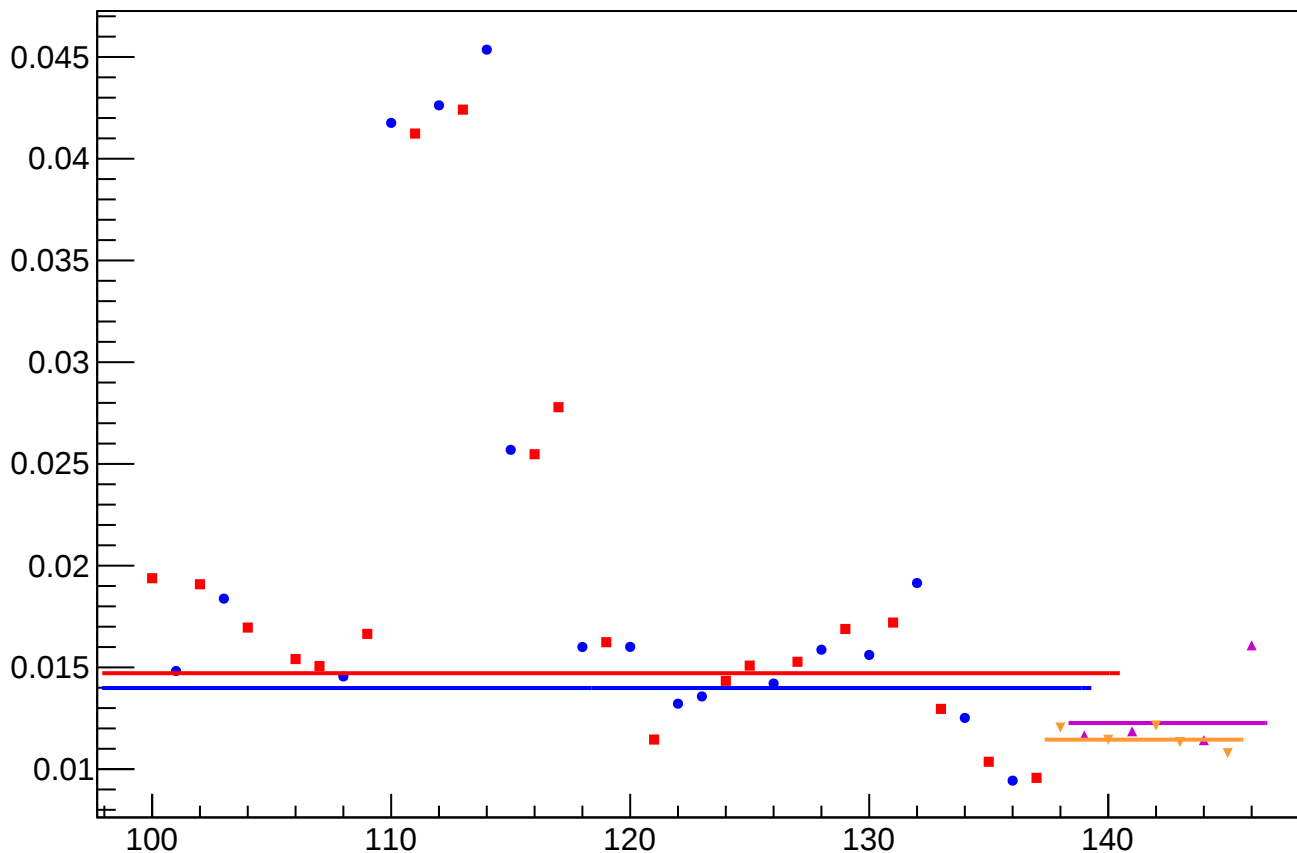
0.710 $\pm$ 0.000 χ^2 /NDF: 3958562238.3/21

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4155673215.9/19

0.743 $\pm$ 0.000 χ^2 /NDF: 4698757483.8/23

Left In: 0.618 $\pm$ 0.000 χ^2 /NDF:48561.5/3

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.011+/-0.000 χ^2/NDF : 11840.0/4

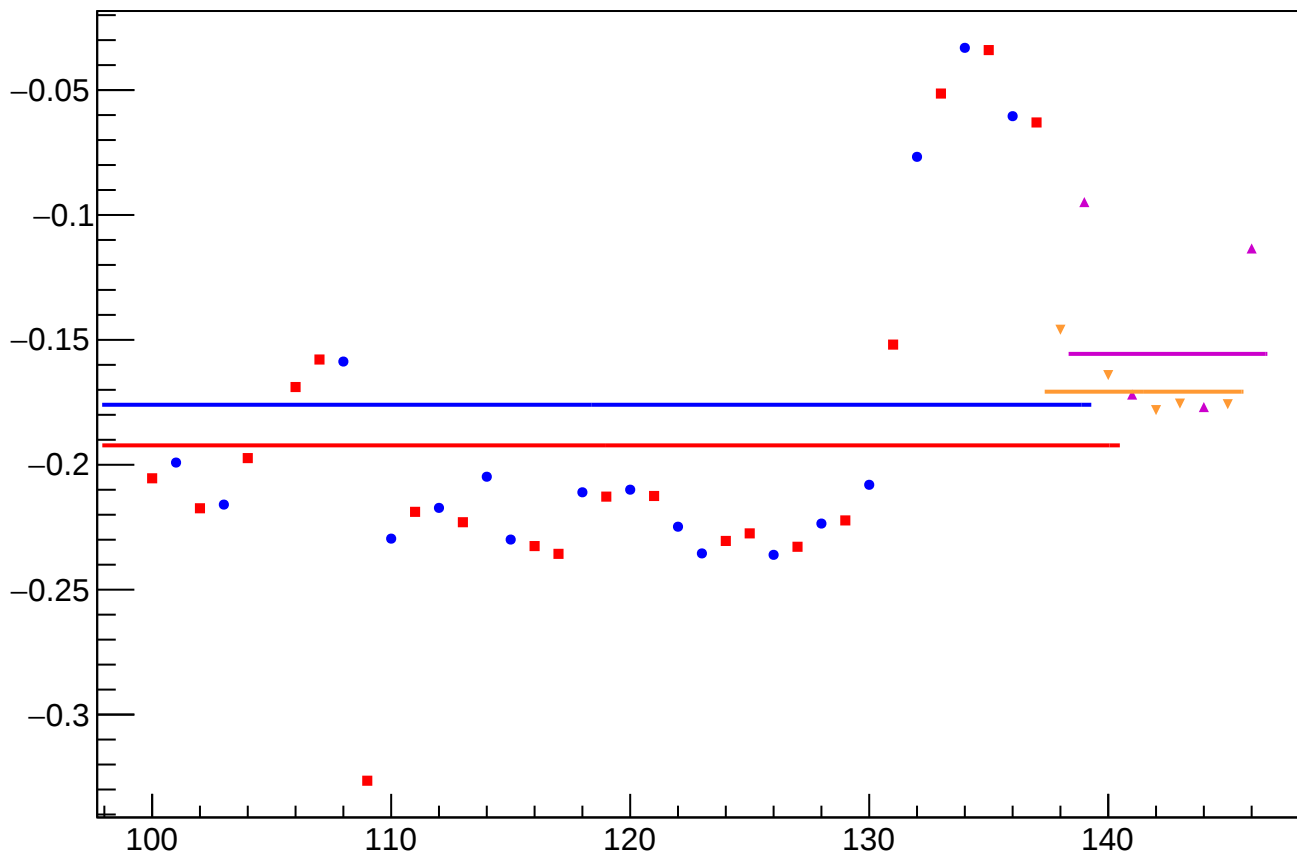
Right Out: 0.015+/-0.000 χ^2/NDF : 1275472.3/19

Left In: 0.012+/-0.000 χ^2/NDF : 98226.2/3

0.013+/-0.000 χ^2/NDF : 1581162.3/21

0.014+/-0.000 χ^2/NDF : 1514144.7/23

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.171+/-0.000 χ^2/NDF : 744313.6/4

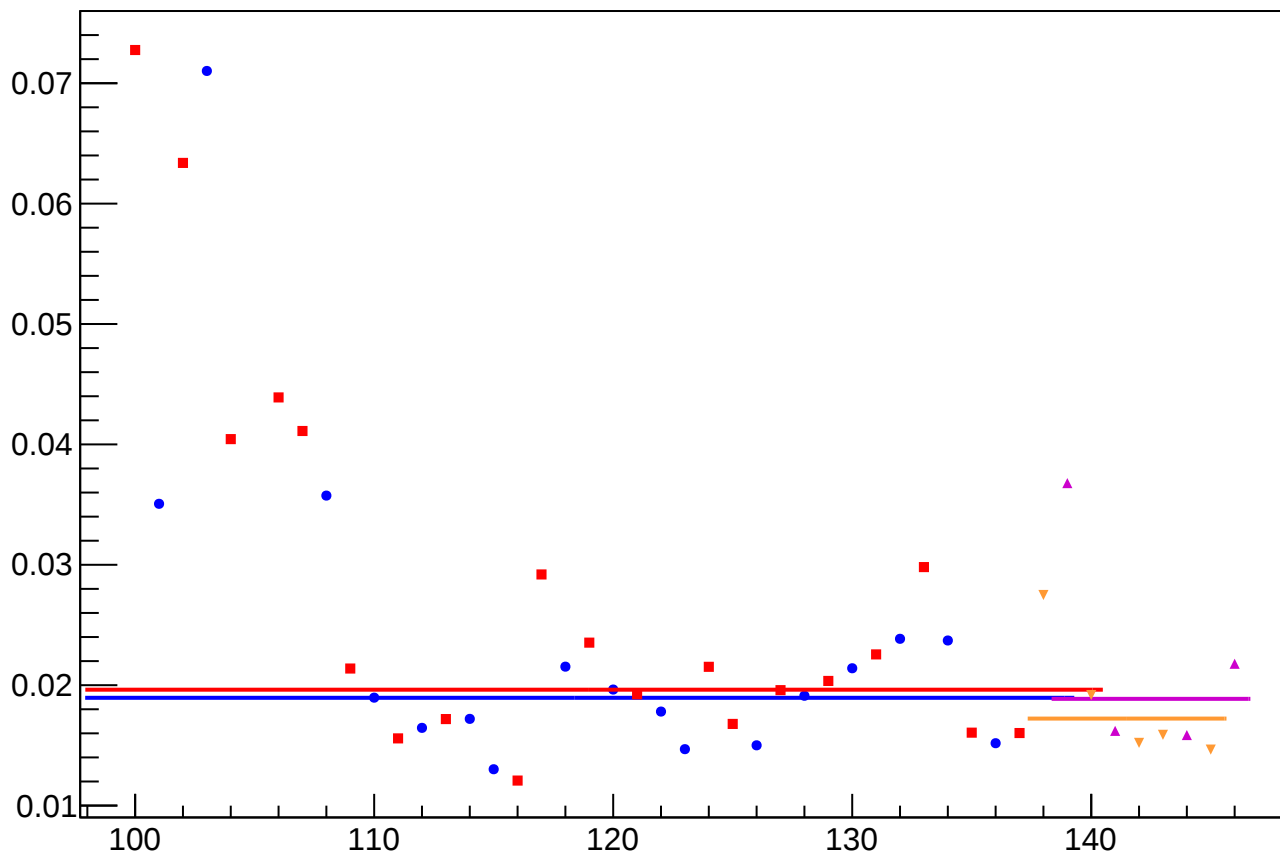
Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

Left In: -0.156+/-0.000 χ^2/NDF : 6131227.7/3

-0.174+/-0.000 χ^2/NDF : 71004090.8/21

-0.180+/-0.000 χ^2/NDF : 95461480.2/23

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.017+/-0.000 χ^2/NDF :233911.6/4

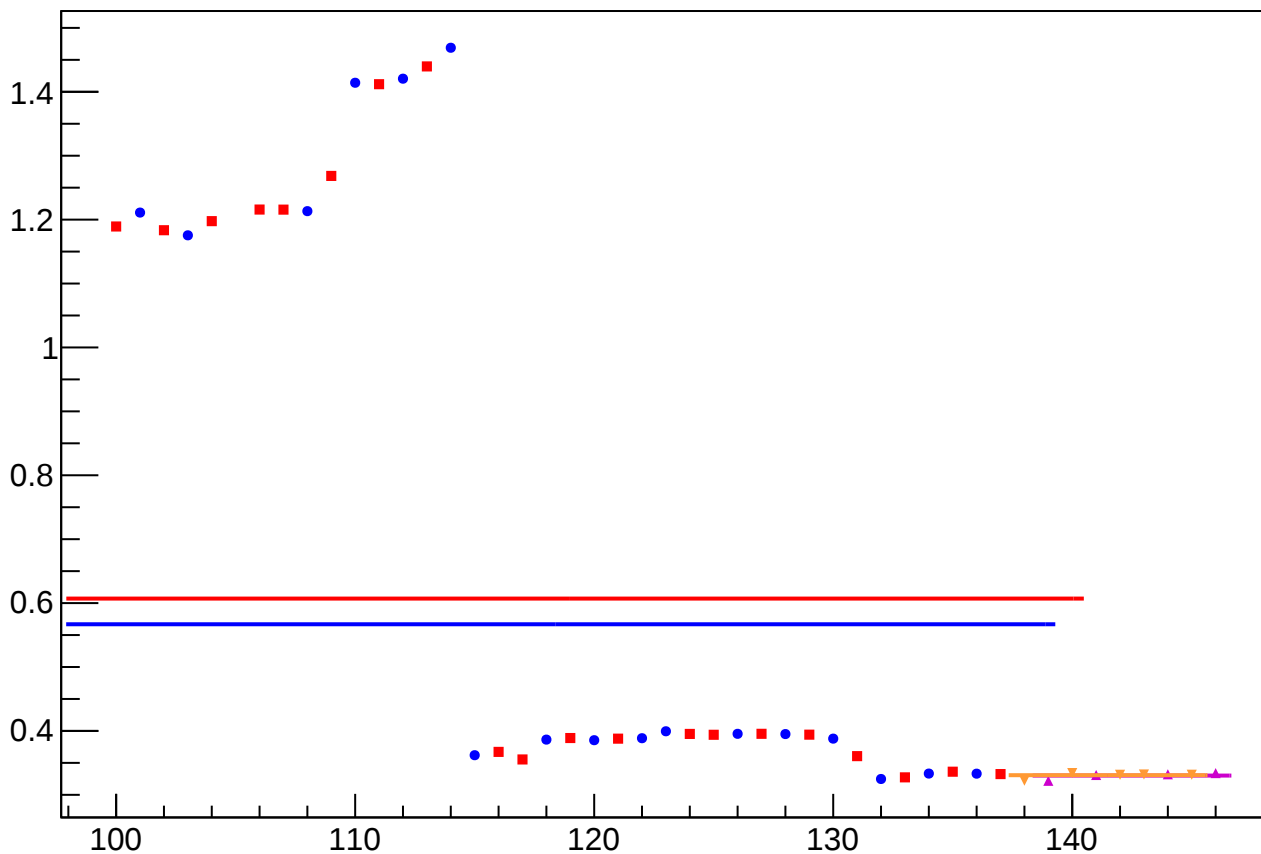
Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

Left In: 0.019+/-0.000 χ^2/NDF :442032.1/3

0.018+/-0.000 χ^2/NDF : 1467314.6/21

0.019+/-0.000 χ^2/NDF : 1911180.8/23

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.331 $\pm$ 0.000 χ^2 /NDF:363059.4/4

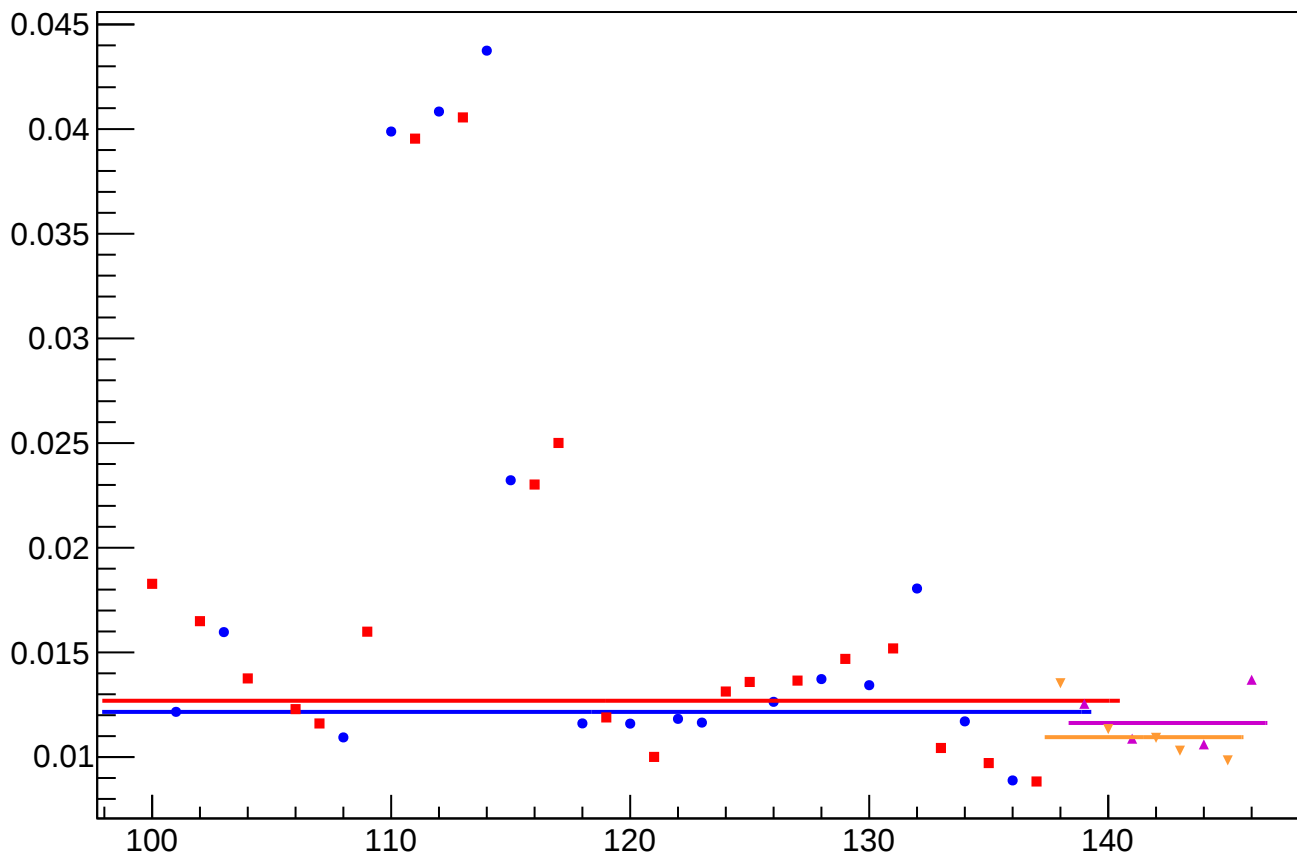
Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

Left In: 0.330 $\pm$ 0.000 χ^2 /NDF:395022.7/3

0.470 $\pm$ 0.000 χ^2 /NDF: 5884463581.8/21

0.502 $\pm$ 0.000 χ^2 /NDF: 6578990036.0/23

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: 76125.1/4

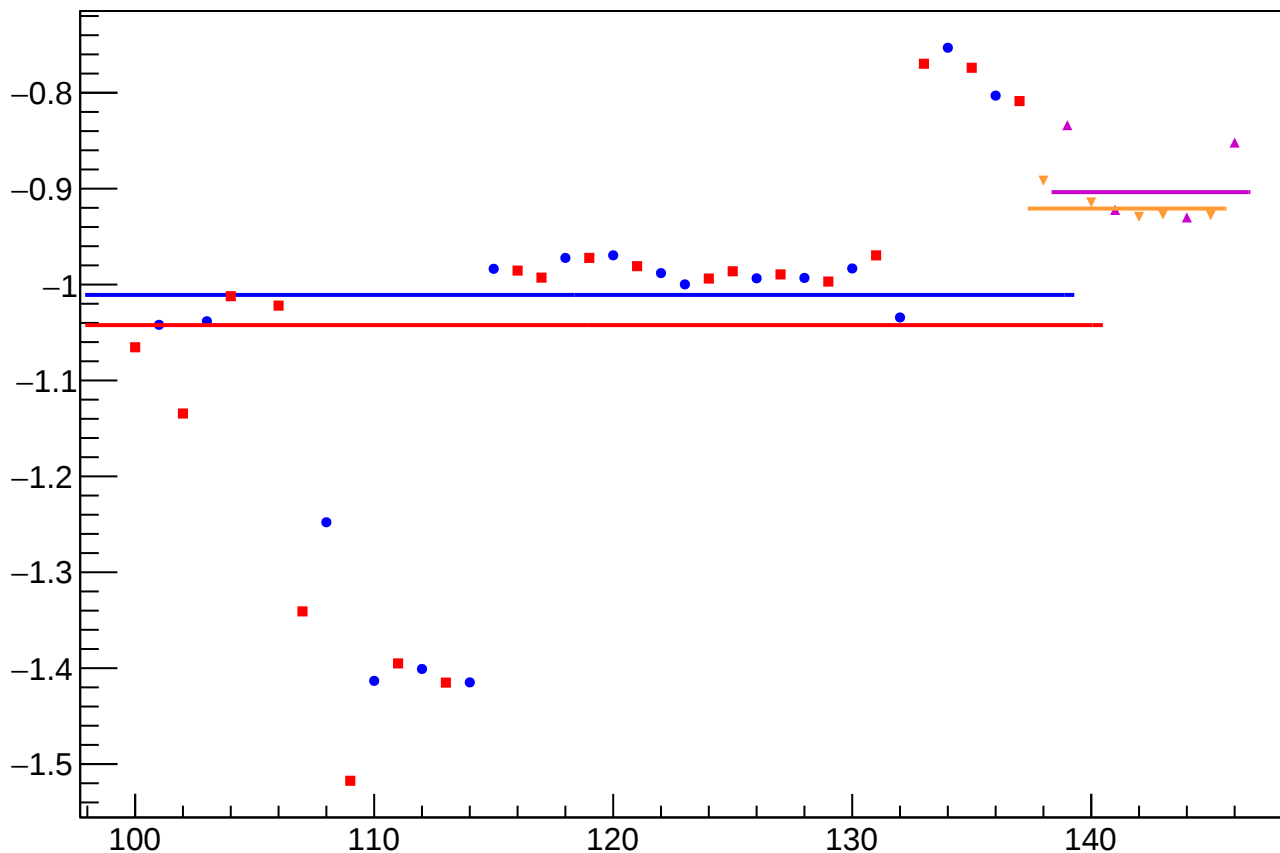
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1285911.2/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 64545.6/3

0.012 $\pm$ 0.000 χ^2 /NDF: 1429354.4/21

0.012 $\pm$ 0.000 χ^2 /NDF: 1381901.5/23

yield_bpm4acX_mean vs Slug



Right In: -1.011 ± 0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.921 ± 0.000 χ^2/NDF : 999331.5/4

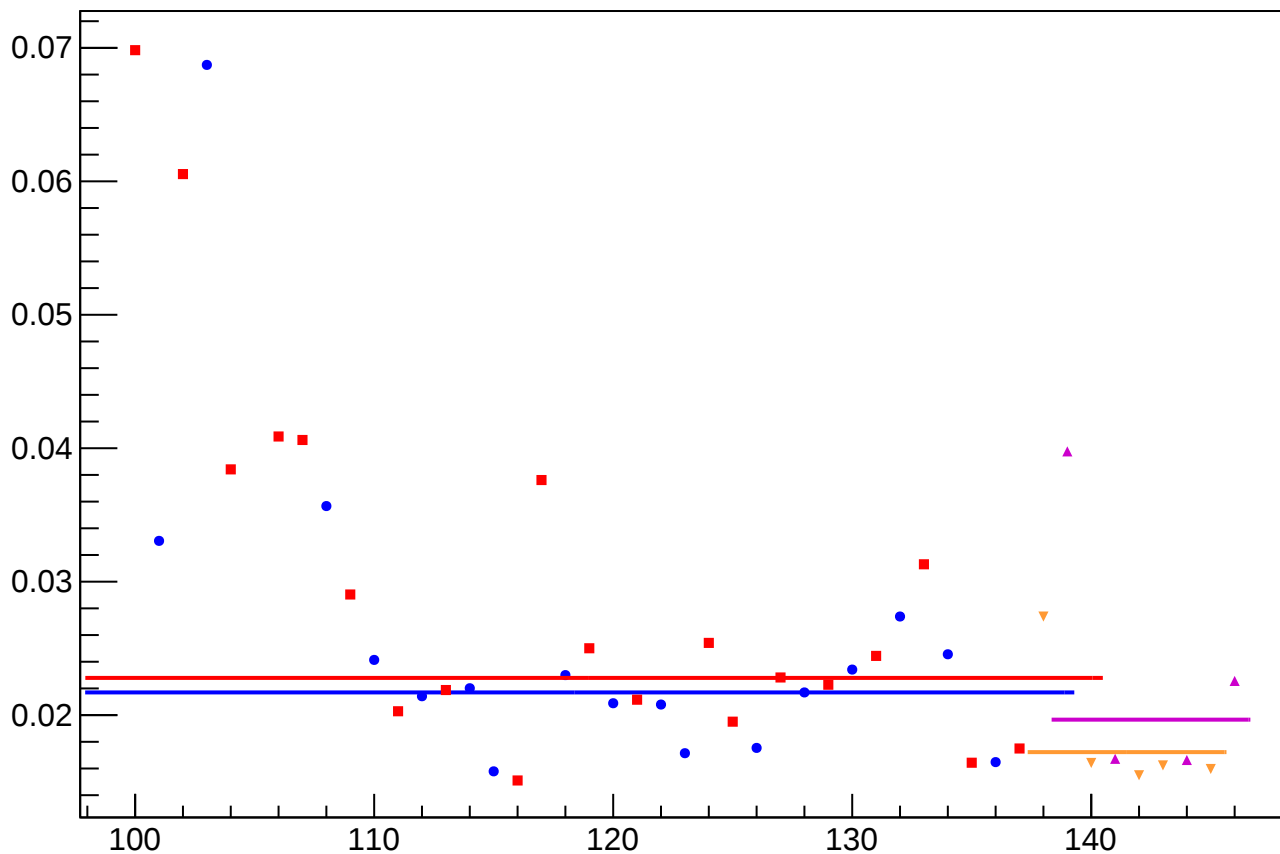
Right Out: -1.042 ± 0.000 χ^2/NDF : 529028760.6/19

Left In: -0.904 ± 0.000 χ^2/NDF : 7910714.0/3

-0.973 ± 0.000 χ^2/NDF : 424518907.3/21

-0.991 ± 0.000 χ^2/NDF : 610204000.3/23

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 979293.5/16

Left Out: 0.017 ± 0.000 χ^2/NDF : 182237.2/4

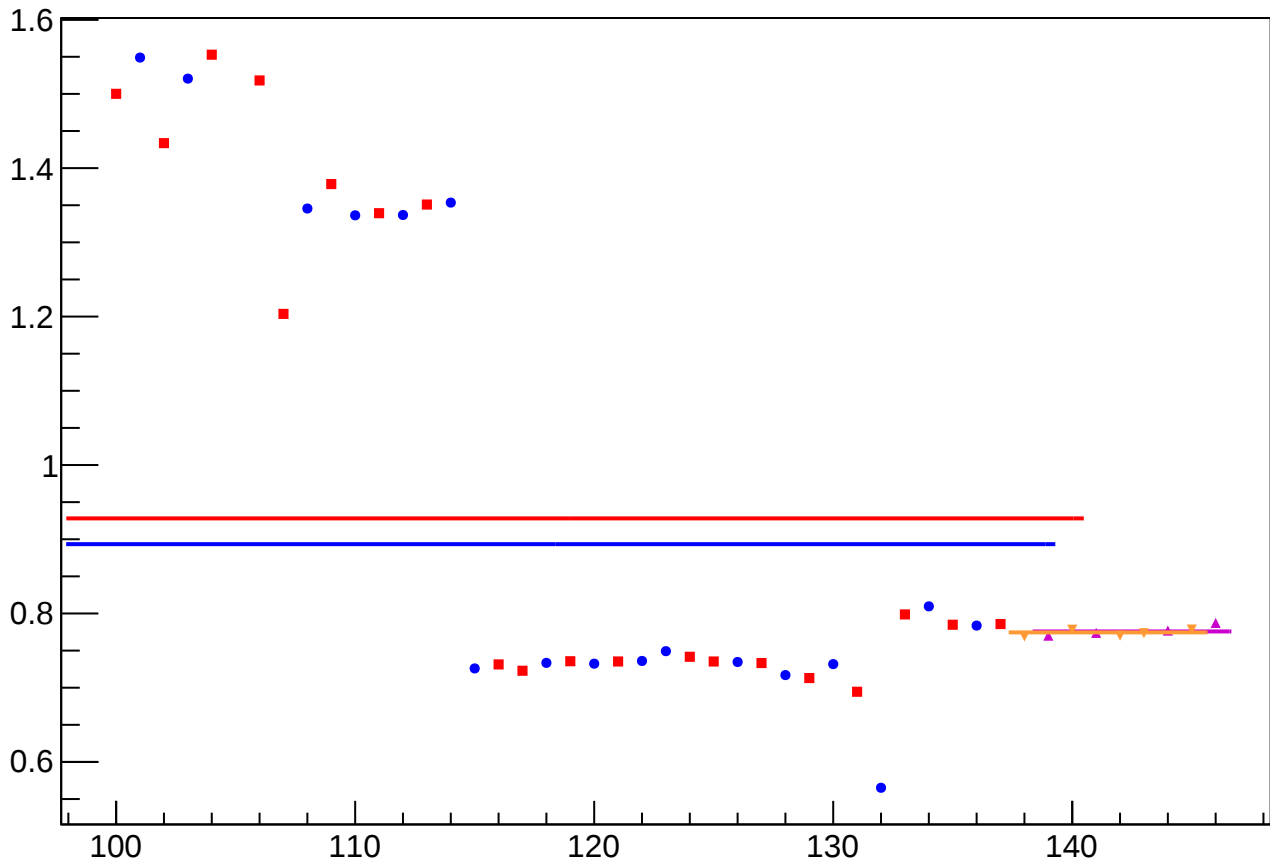
Right Out: 0.023 ± 0.000 χ^2/NDF : 1164870.4/19

Left In: 0.020 ± 0.000 χ^2/NDF : 466843.6/3

0.020 ± 0.000 χ^2/NDF : 1341101.5/21

0.022 ± 0.000 χ^2/NDF : 1706276.8/23

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.775+/-0.000 χ^2/NDF :383759.3/4

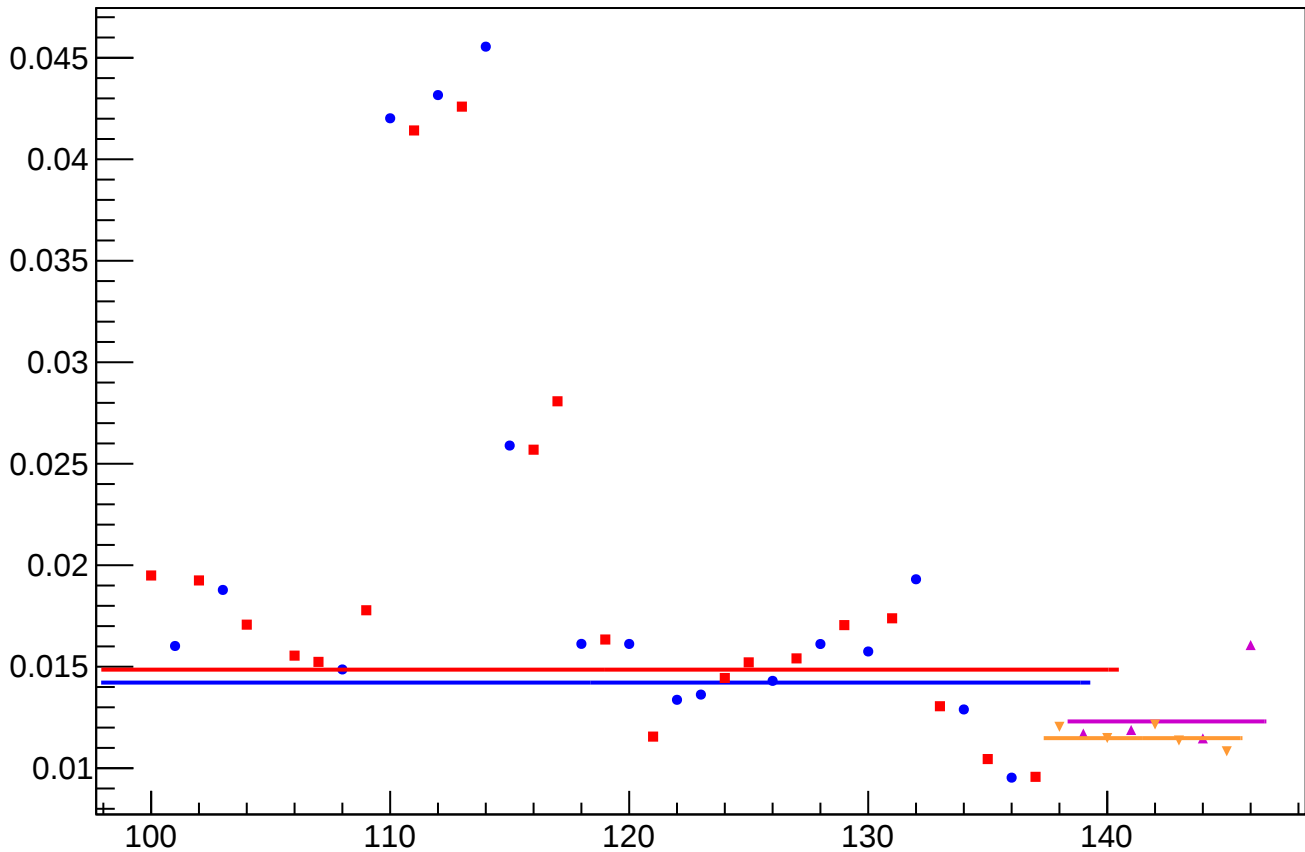
0.838+/-0.000 χ^2/NDF : 2592066866.3/21

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

0.863+/-0.000 χ^2/NDF : 2706588076.9/23

Left In: 0.776+/-0.000 χ^2/NDF :575101.1/3

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.011+/-0.000 χ^2/NDF :11005.5/4

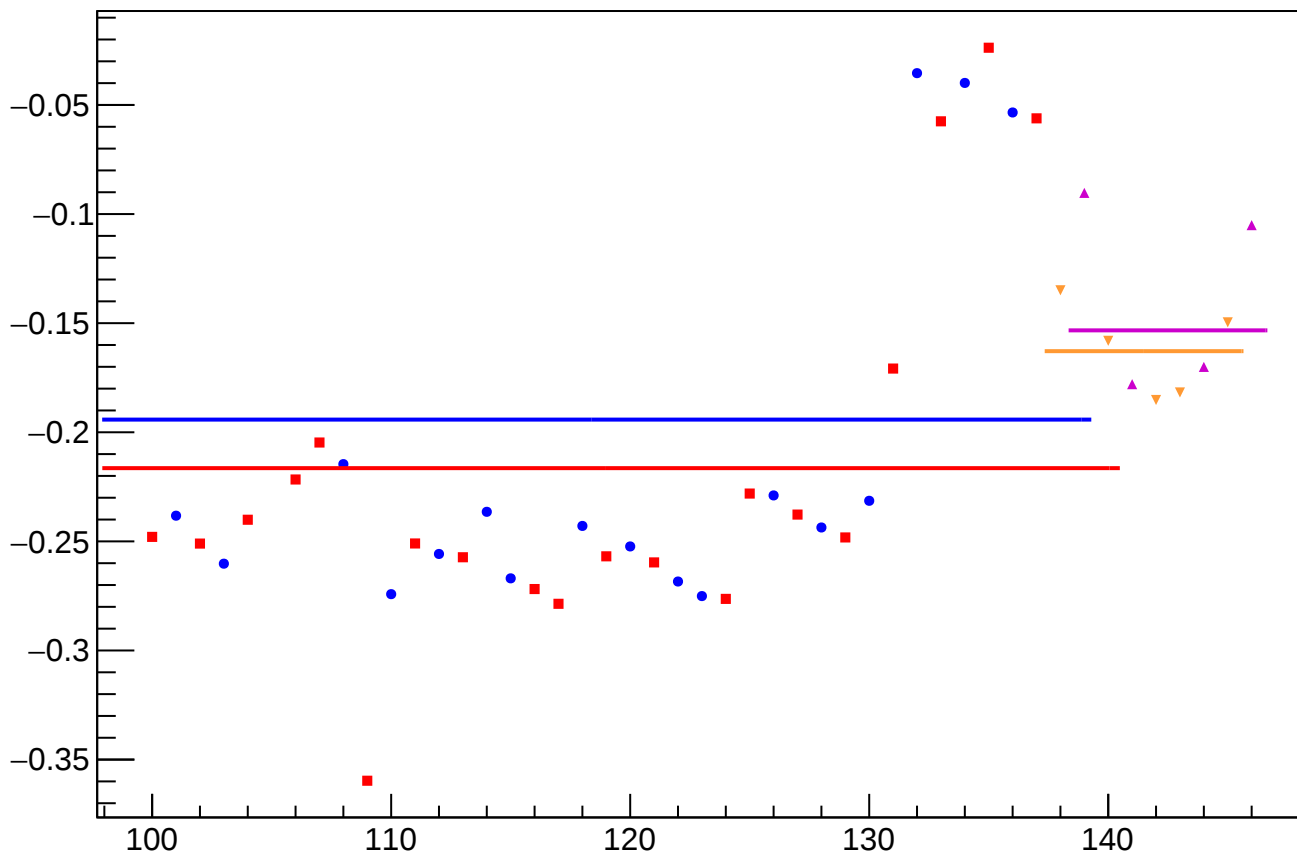
Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

Left In: 0.012+/-0.000 χ^2/NDF :95650.5/3

0.013+/-0.000 χ^2/NDF : 1615295.8/21

0.014+/-0.000 χ^2/NDF : 1532798.9/23

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.163+/-0.000 χ^2/NDF : 2445233.8/4

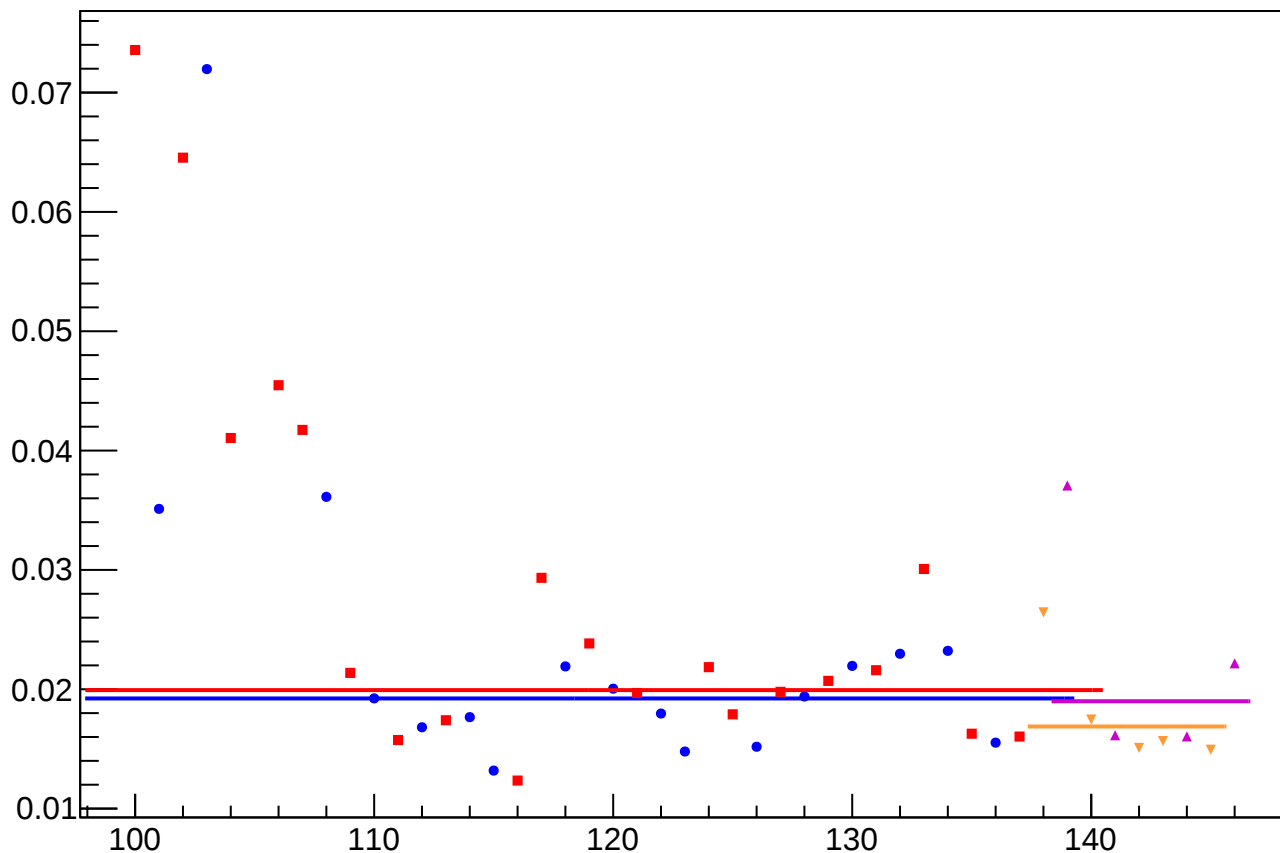
-0.182+/-0.000 χ^2/NDF : 115875083.4/21

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

-0.195+/-0.000 χ^2/NDF : 135868256.7/23

Left In: -0.153+/-0.000 χ^2/NDF : 7213988.6/3

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.017+/-0.000 χ^2/NDF : 191103.2/4

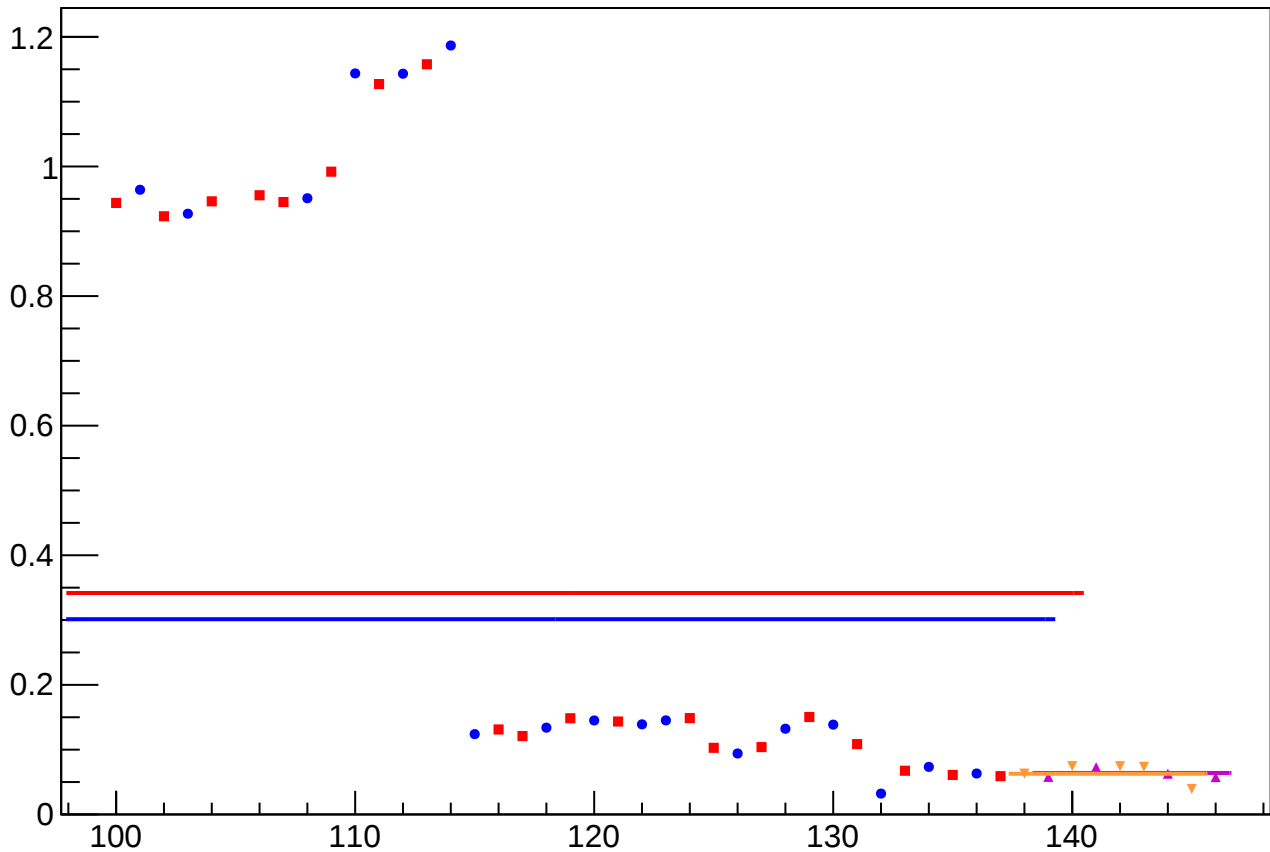
Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

Left In: 0.019+/-0.000 χ^2/NDF : 447947.5/3

0.018+/-0.000 χ^2/NDF : 1421829.1/21

0.020+/-0.000 χ^2/NDF : 1908311.4/23

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.063+/-0.000 χ^2/NDF : 6285742.4/4

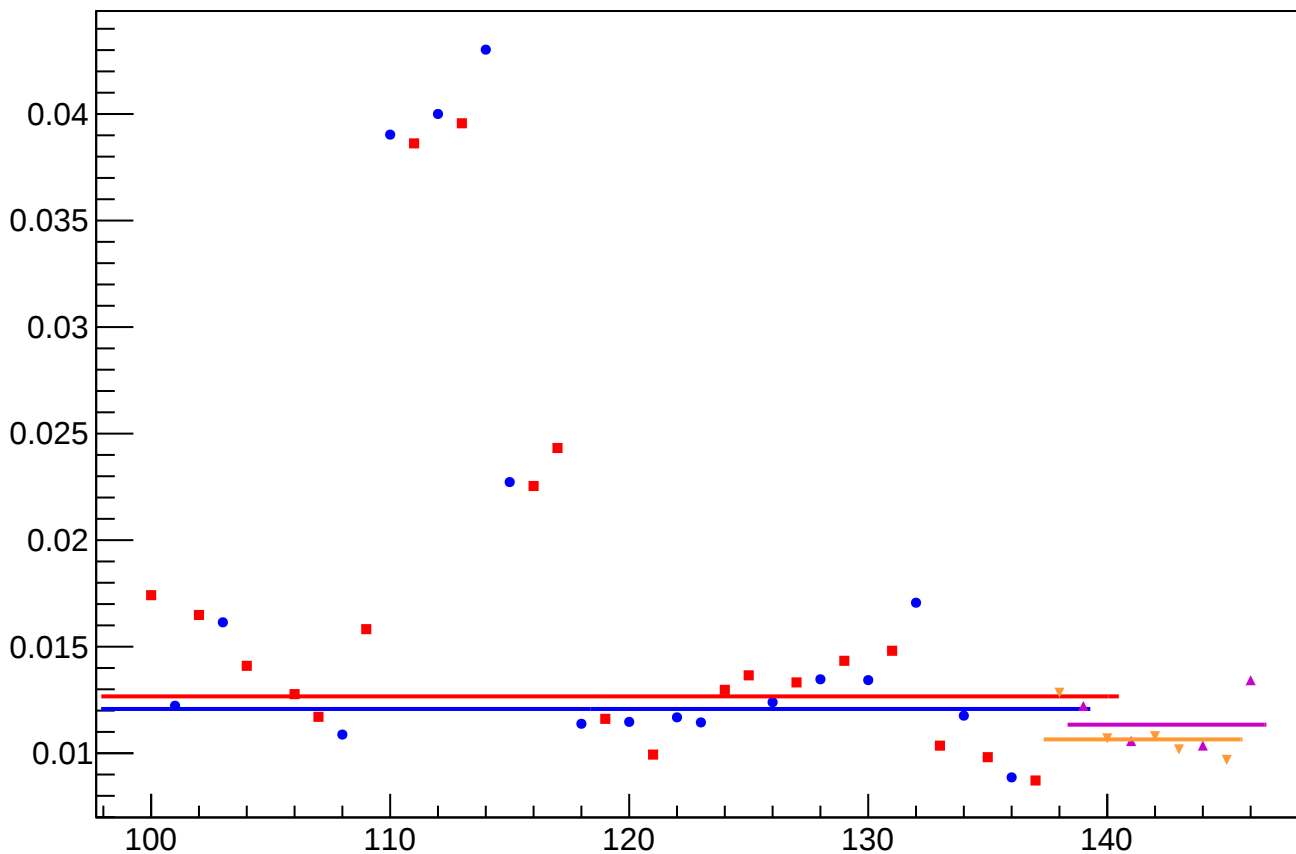
0.201+/-0.000 χ^2/NDF : 6080258588.4/21

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

0.233+/-0.000 χ^2/NDF : 6557692139.2/23

Left In: 0.064+/-0.000 χ^2/NDF : 913656.7/3

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.011+/-0.000 χ^2/NDF : 58063.9/4

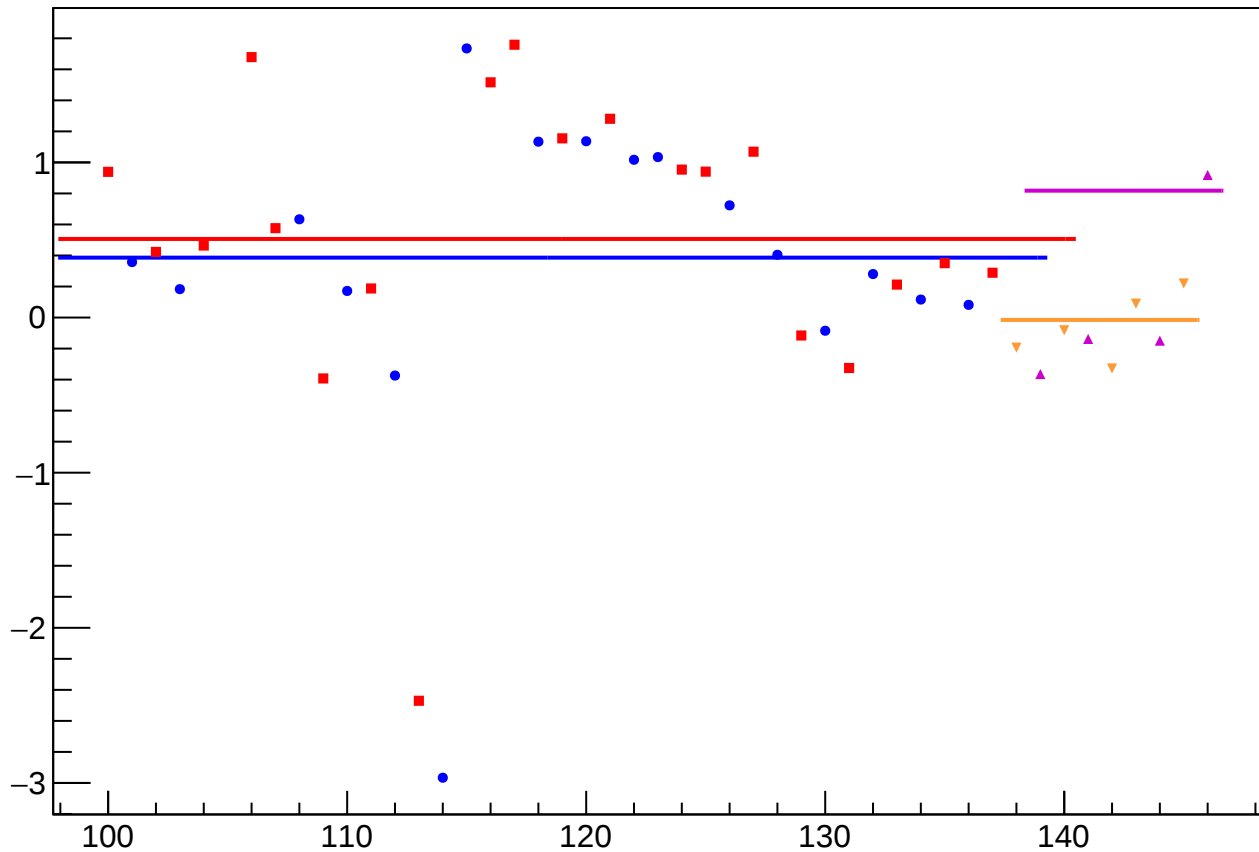
Right Out: 0.013+/-0.000 χ^2/NDF : 1253755.7/19

Left In: 0.011+/-0.000 χ^2/NDF : 66731.4/3

0.011+/-0.000 χ^2/NDF : 1404268.4/21

0.012+/-0.000 χ^2/NDF : 1371253.4/23

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: -0.015+/-0.000 χ^2/NDF : 23028223.3/4

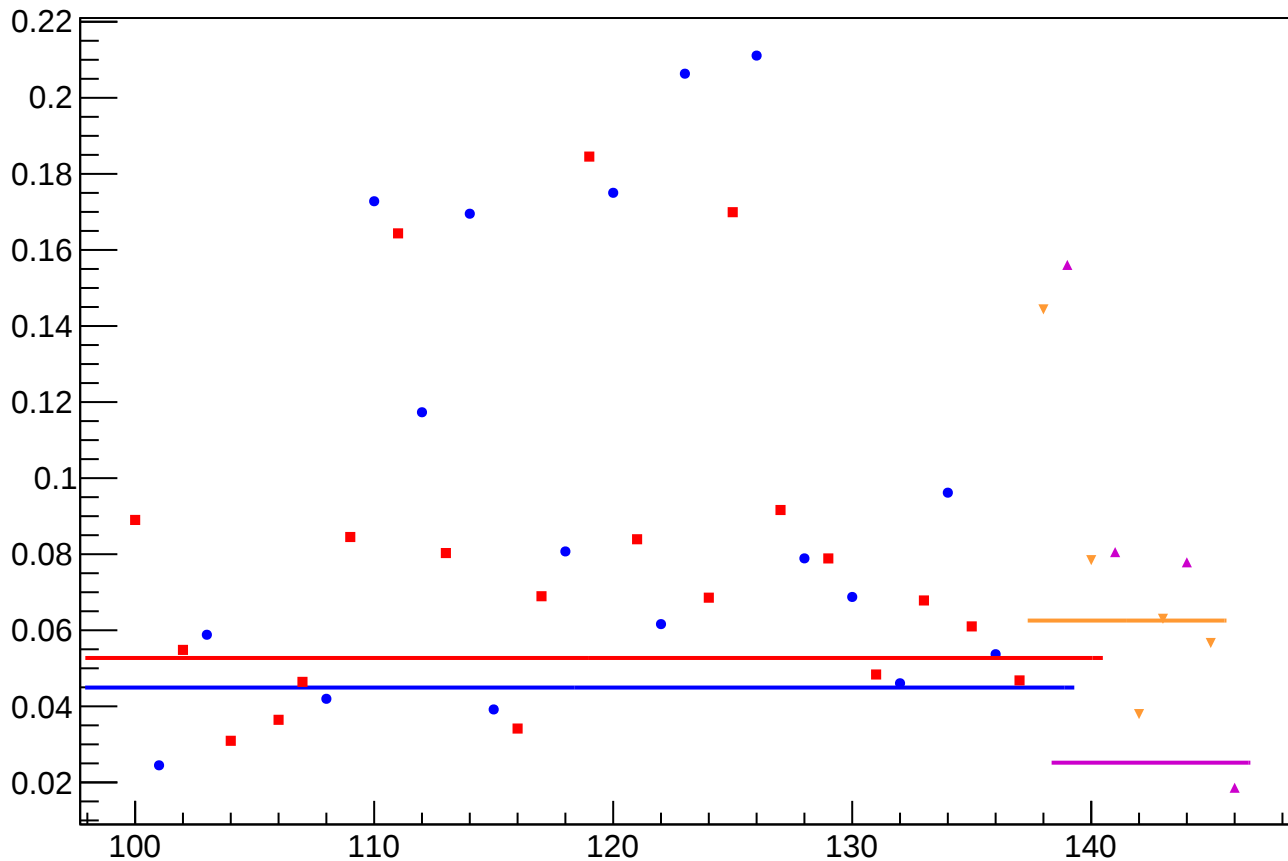
0.299+/-0.000 χ^2/NDF : 330291955.8/21

Right Out: 0.507+/-0.000 χ^2/NDF : 995373603.6/19

0.686+/-0.000 χ^2/NDF : 1283176934.3/23

Left In: 0.818+/-0.000 χ^2/NDF : 204342896.8/3

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.063+/-0.000 χ^2/NDF : 609262.8/4

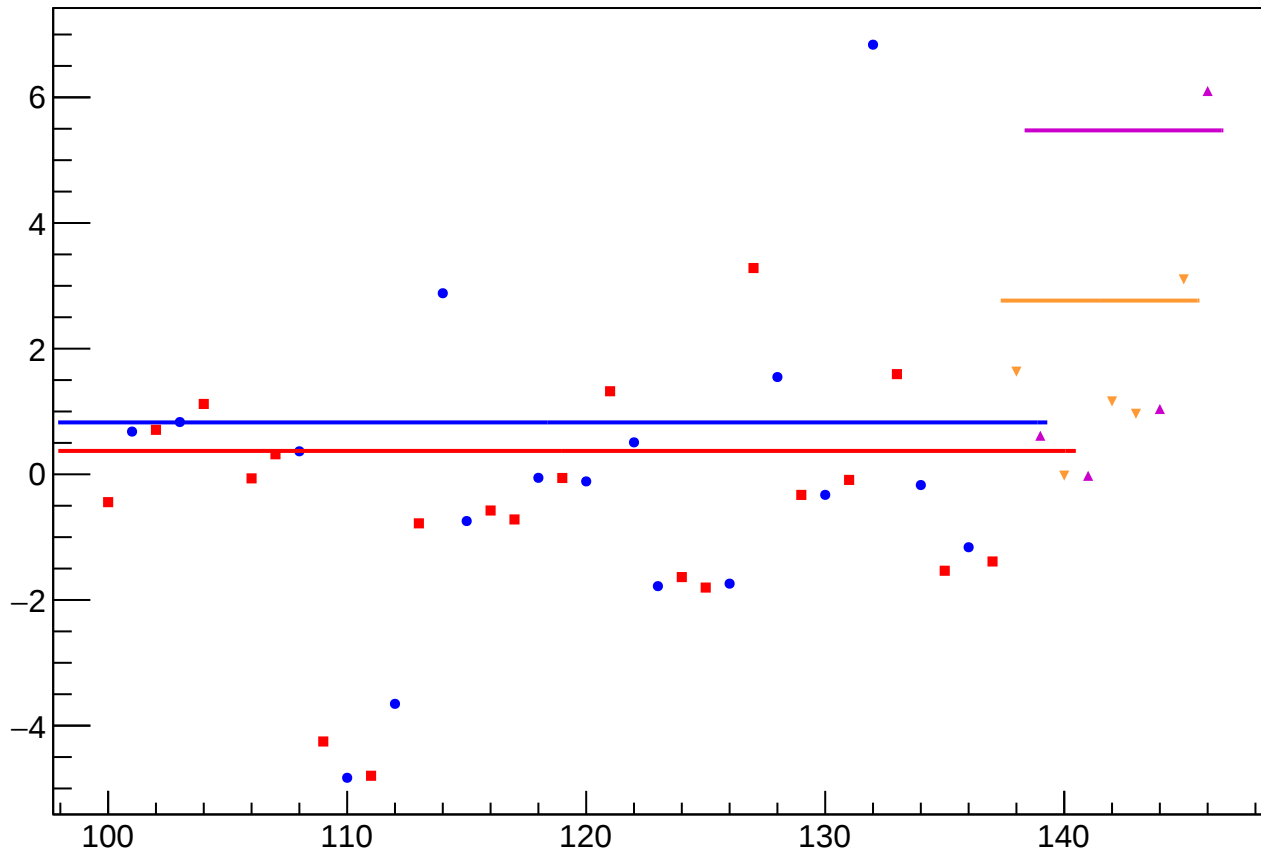
Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

Left In: 0.025+/-0.000 χ^2/NDF : 1991333.2/3

0.049+/-0.000 χ^2/NDF : 3632047.1/21

0.037+/-0.000 χ^2/NDF : 5492037.5/23

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: 2.765+/-0.000 χ^2/NDF : 2302926446.6/4

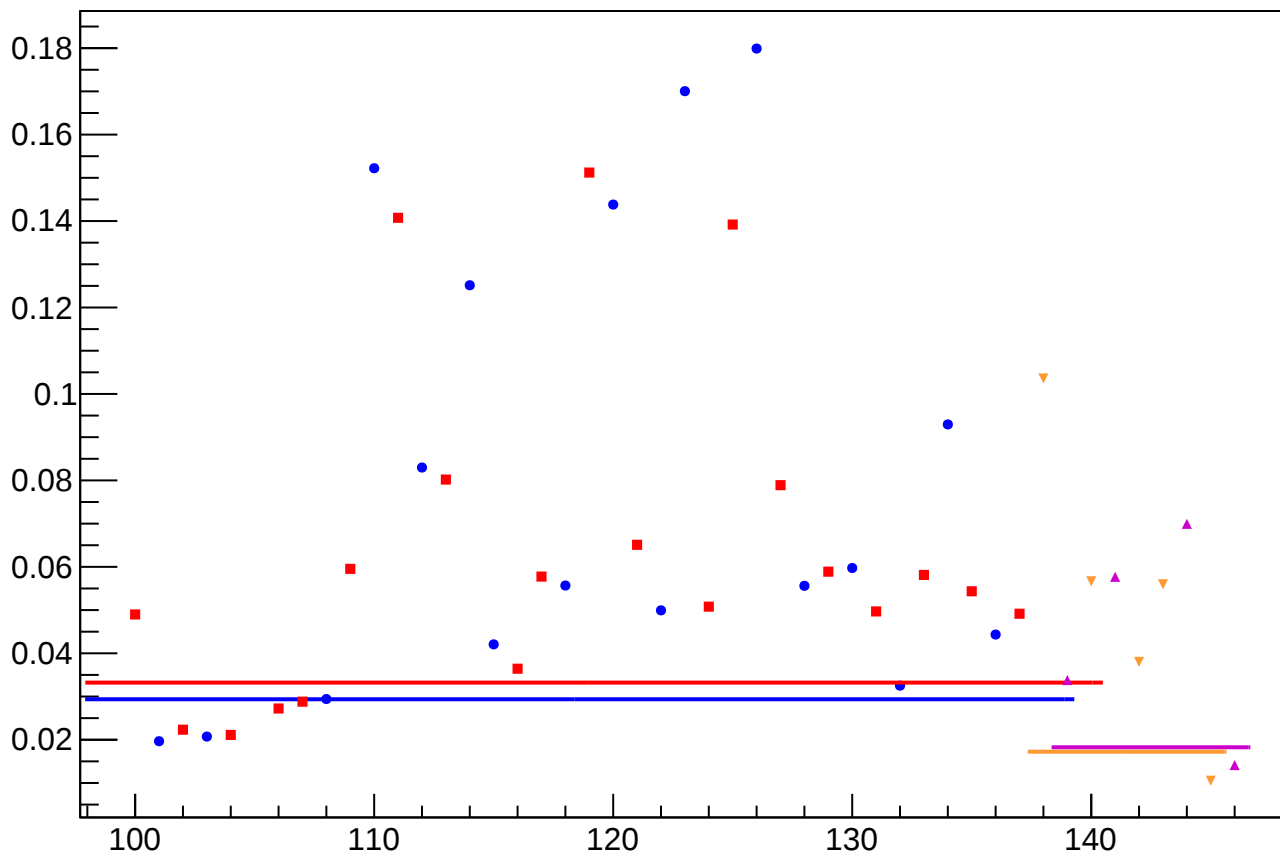
Right Out: 0.372+/-0.000 χ^2/NDF : 4960201861.0/19

Left In: 5.474+/-0.000 χ^2/NDF : 12181404039.9/3

1.697+/-0.000 χ^2/NDF : 19891220929.4/21

3.058+/-0.000 χ^2/NDF : 65149039055.8/23

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.017+/-0.000 χ^2/NDF :2048071.8/4

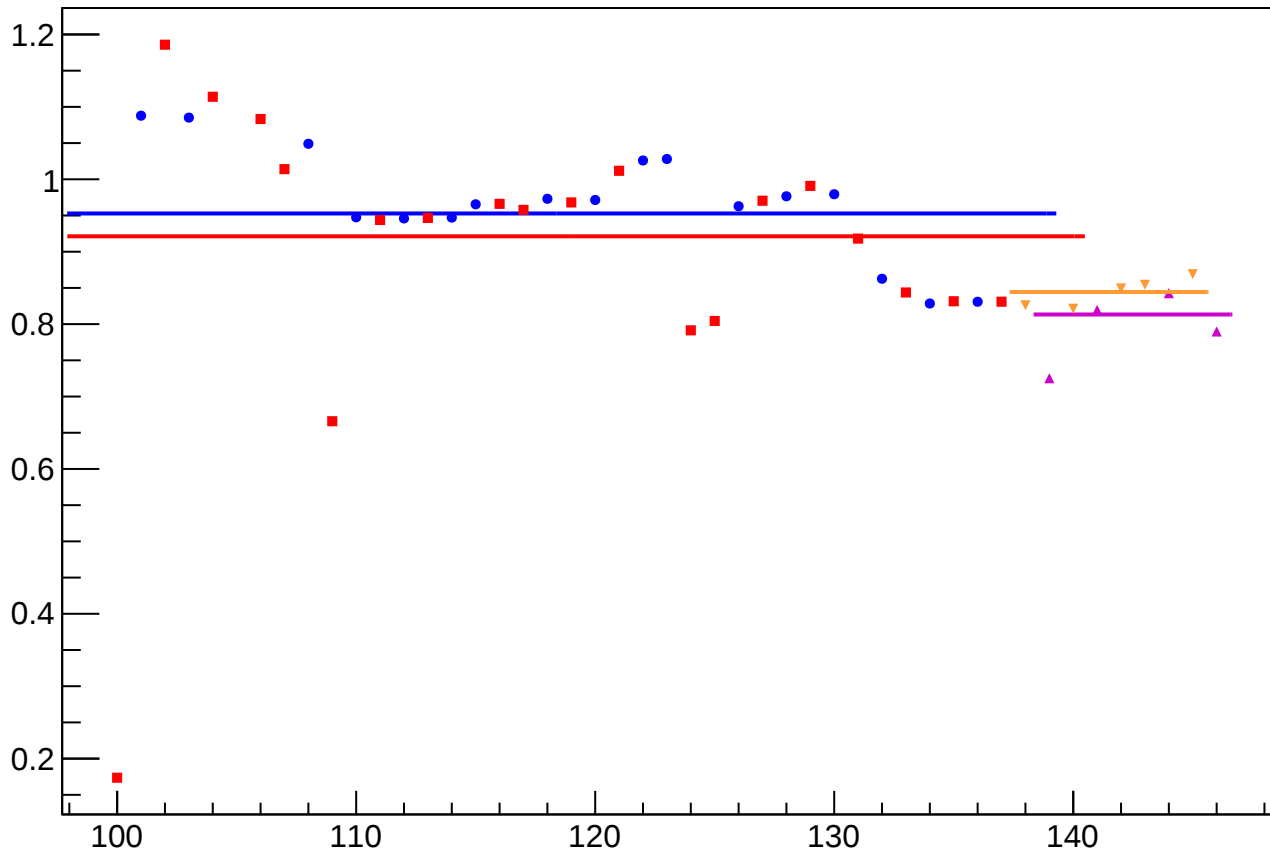
Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

Left In: 0.018+/-0.000 χ^2/NDF :1245093.5/3

0.024+/-0.000 χ^2/NDF : 5554915.6/21

0.025+/-0.000 χ^2/NDF : 5183268.7/23

yield_bpm11X_mean vs Slug



Right In: 0.953 ± 0.000 χ^2/NDF : 175750243.6/16

0.912 ± 0.000 χ^2/NDF : 315259189.8/21

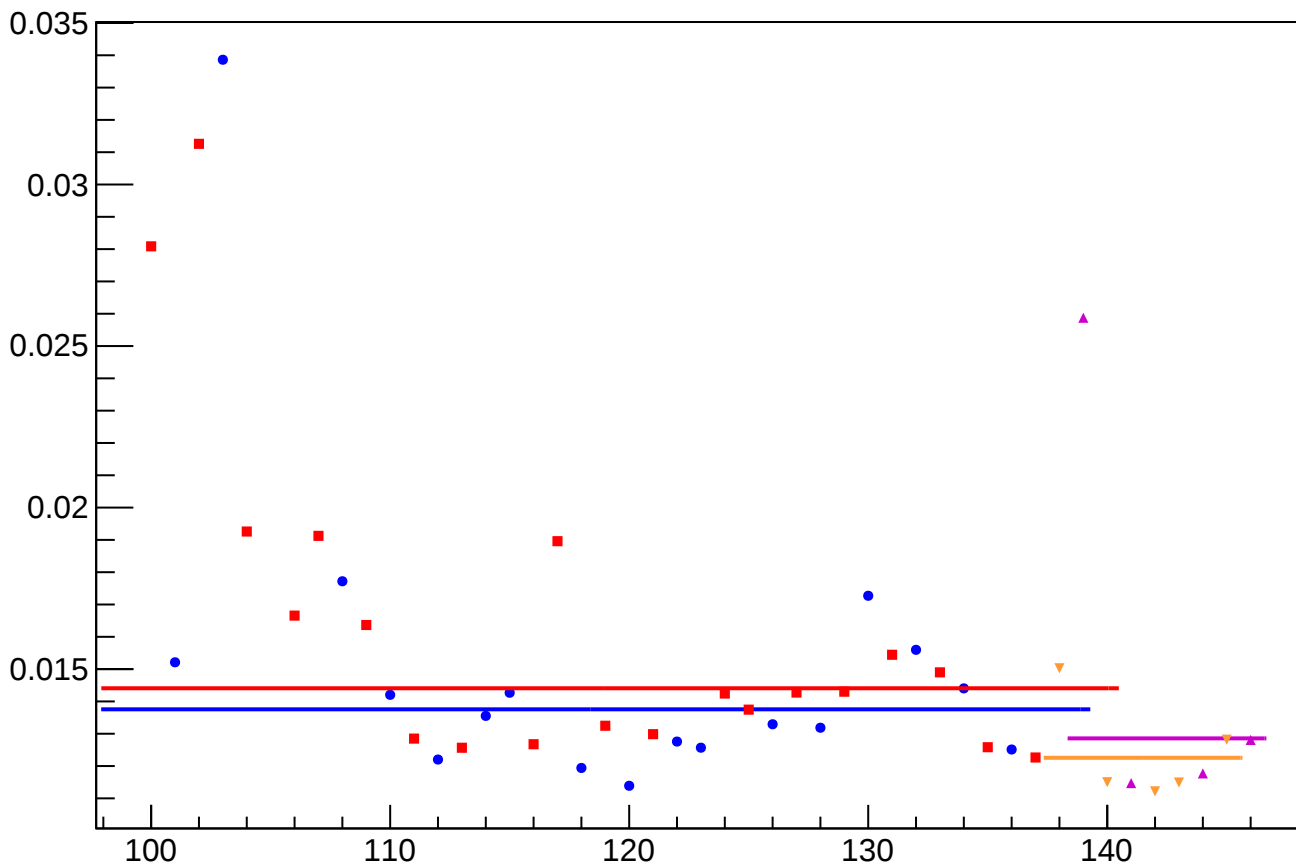
Left Out: 0.844 ± 0.000 χ^2/NDF : 6224165.0/4

Right Out: 0.921 ± 0.000 χ^2/NDF : 374306248.8/19

0.883 ± 0.000 χ^2/NDF : 512448240.8/23

Left In: 0.813 ± 0.000 χ^2/NDF : 15535377.0/3

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.012+/-0.000 χ^2/NDF : 58472.3/4

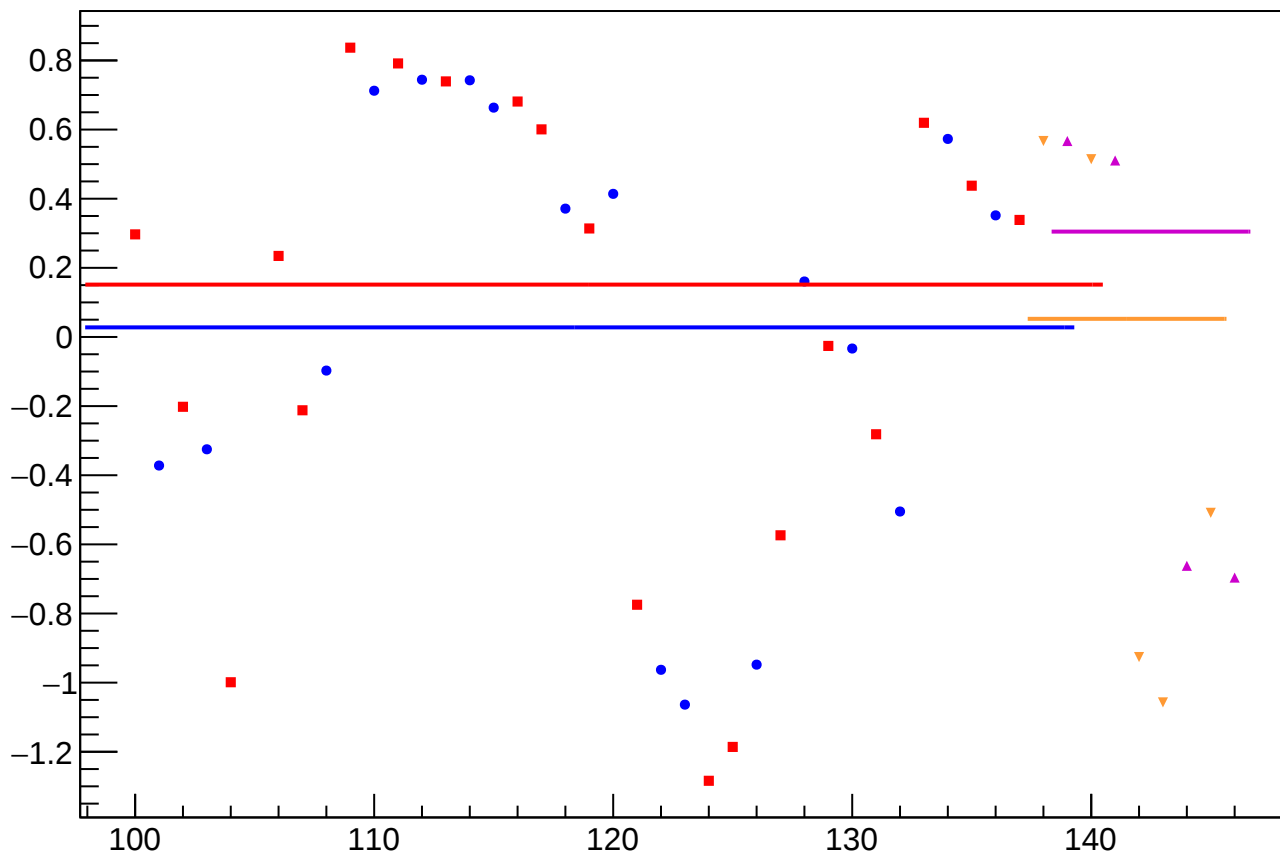
Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

Left In: 0.013+/-0.000 χ^2/NDF : 387740.1/3

0.013+/-0.000 χ^2/NDF : 647914.9/21

0.014+/-0.000 χ^2/NDF : 947005.8/23

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.052+/-0.000 χ^2/NDF :14571507689.4/4

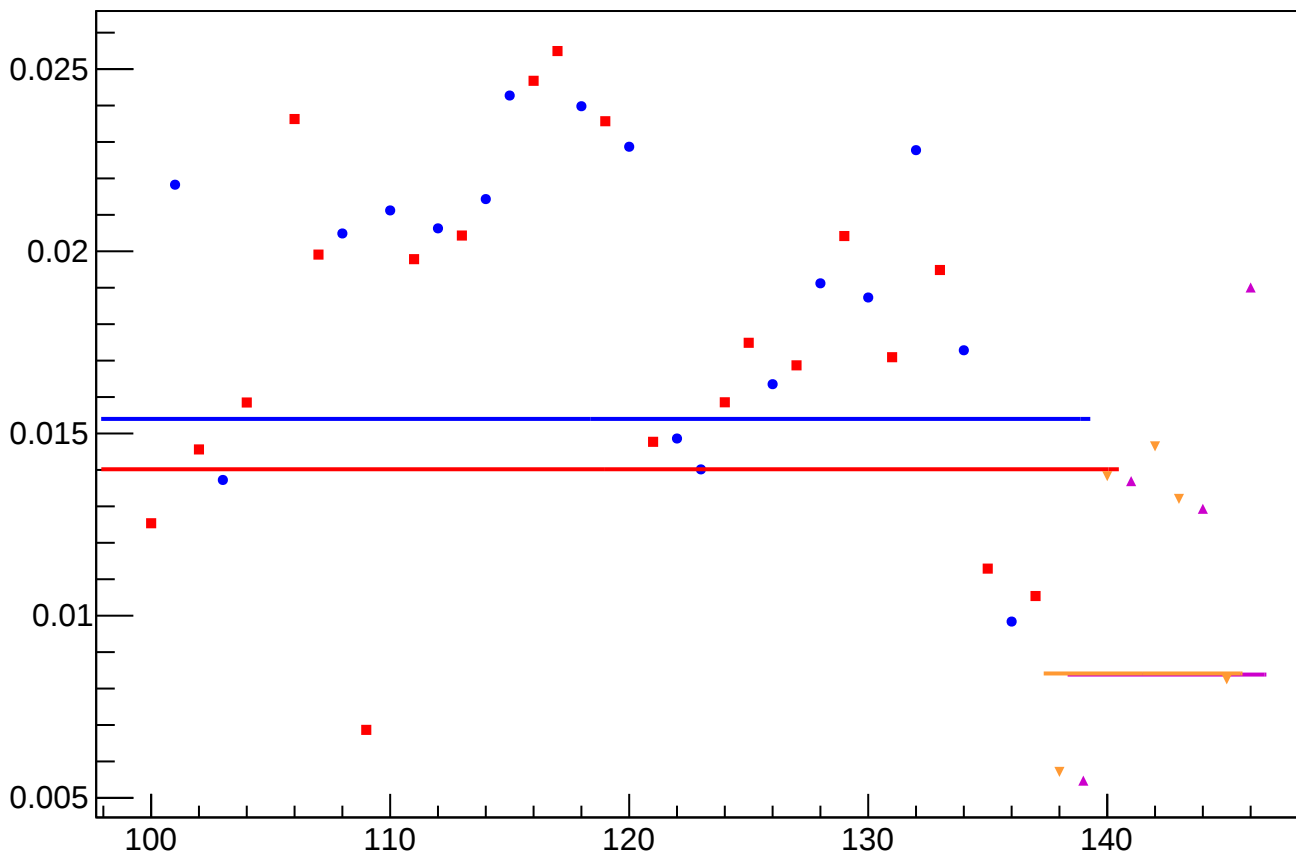
Right Out: 0.152+/-0.000 χ^2/NDF : 12665480117.0/19

Left In: 0.305+/-0.000 χ^2/NDF :8340096308.2/3

0.043+/-0.000 χ^2/NDF : 20857193725.3/21

0.234+/-0.000 χ^2/NDF : 21369053119.4/23

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 795261.2/4

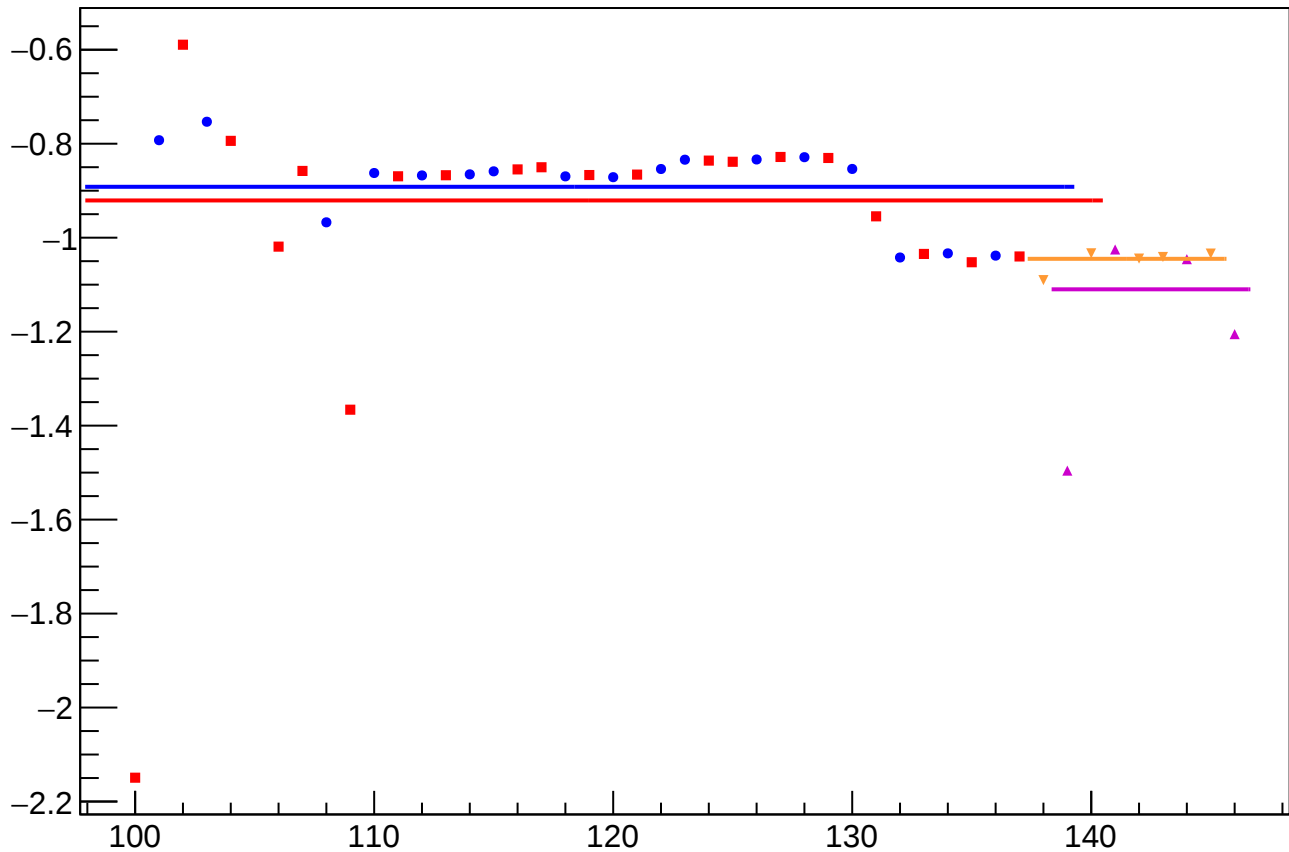
Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

Left In: 0.008+/-0.000 χ^2/NDF : 1270125.3/3

0.011+/-0.000 χ^2/NDF : 3333715.9/21

0.011+/-0.000 χ^2/NDF : 3828855.4/23

yield_bpm12X_mean vs Slug



Right In: -0.892 ± 0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.045 ± 0.000 χ^2/NDF : 1012246.5/4

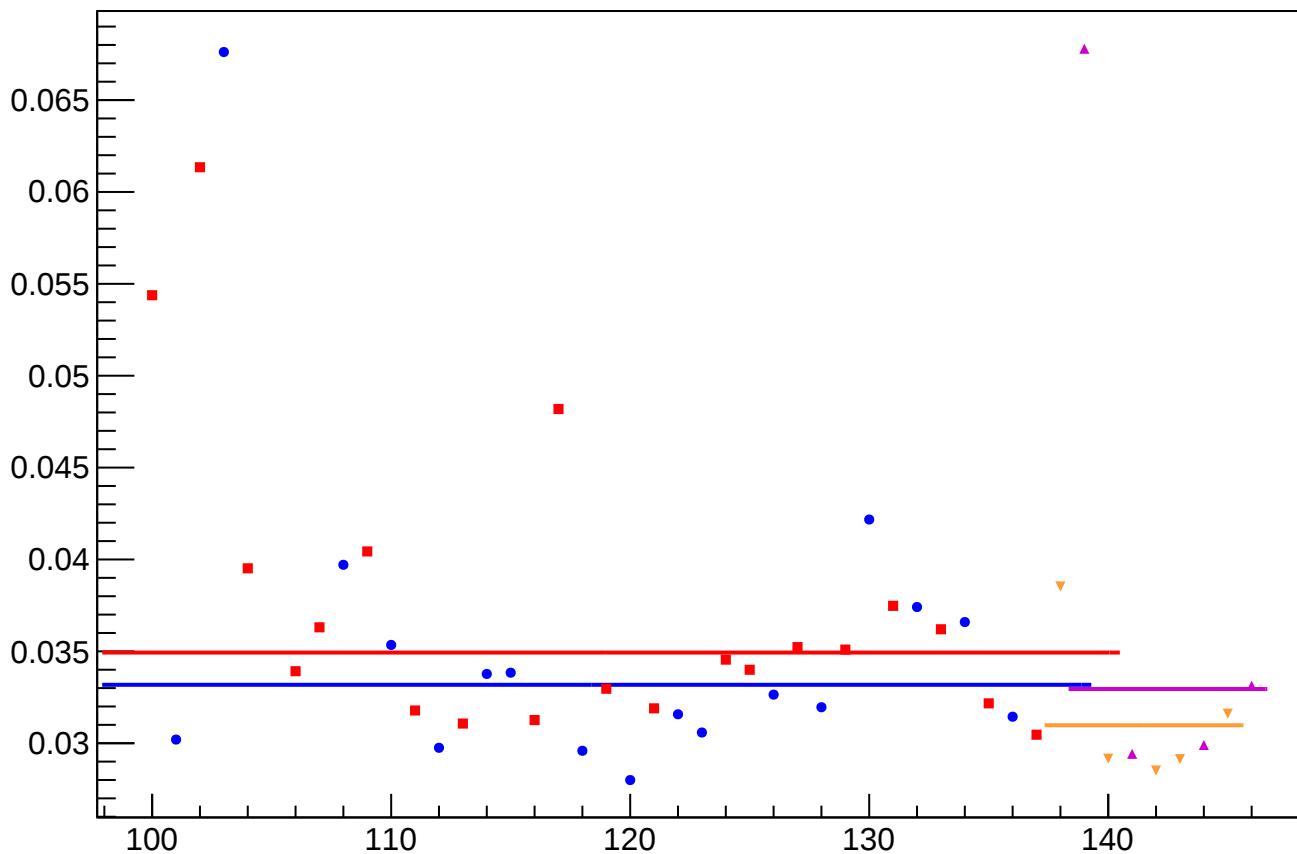
-0.945 ± 0.000 χ^2/NDF : 83730348.6/21

Right Out: -0.921 ± 0.000 χ^2/NDF : 131248005.3/19

-0.983 ± 0.000 χ^2/NDF : 228797099.3/23

Left In: -1.110 ± 0.000 χ^2/NDF : 38020199.4/3

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 60200.0/4

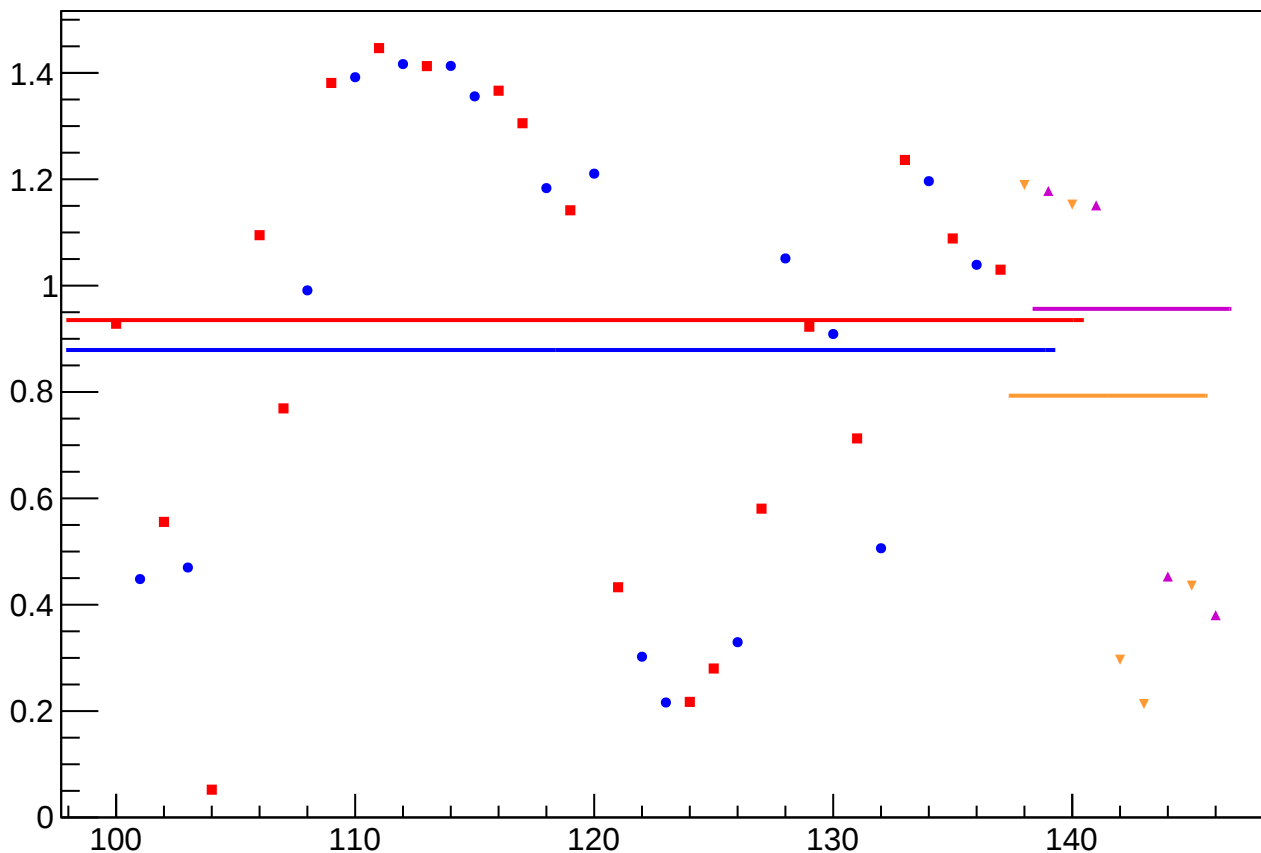
Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

Left In: 0.033+/-0.000 χ^2/NDF : 405281.8/3

0.032+/-0.000 χ^2/NDF : 478046.0/21

0.034+/-0.000 χ^2/NDF : 699637.6/23

yield_bpm12Y_mean vs Slug



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.793+/-0.000 χ^2/NDF : 10493691852.6/4

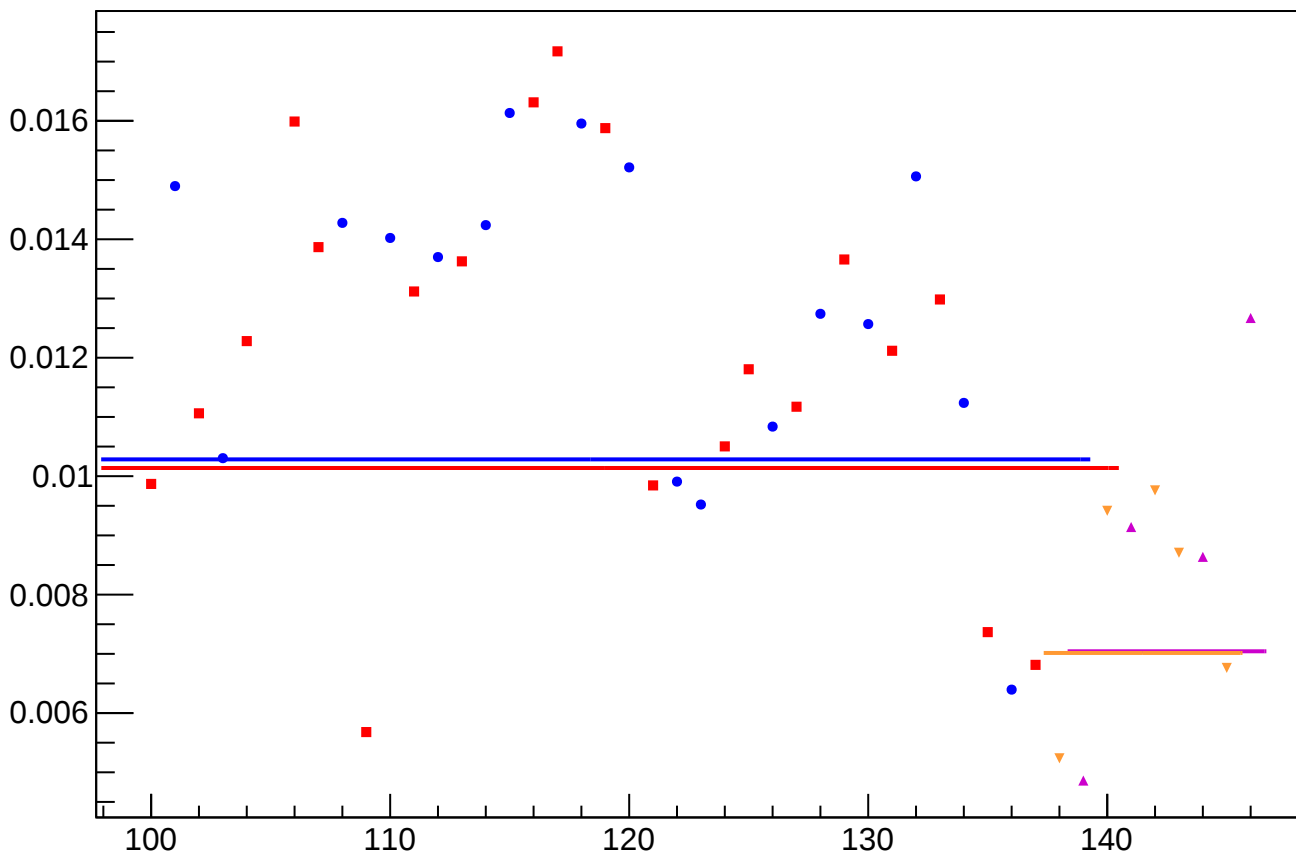
Right Out: 0.935+/-0.000 χ^2/NDF : 9844960466.1/19

Left In: 0.956+/-0.000 χ^2/NDF : 6074608263.6/3

0.833+/-0.000 χ^2/NDF : 17071049162.5/21

0.945+/-0.000 χ^2/NDF : 15931902000.6/23

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF : 358173.7/4

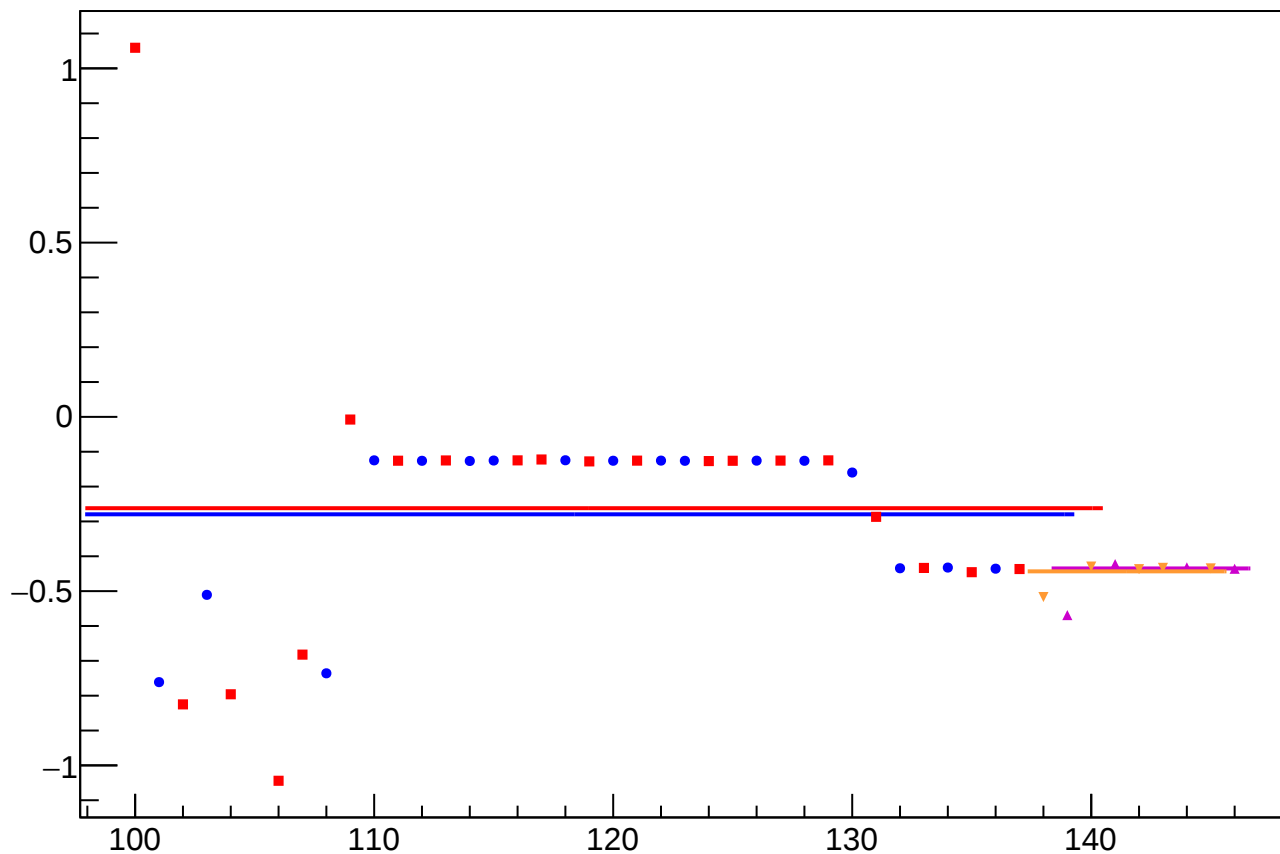
Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1189529.0/19

Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 698216.0/3

0.009 $\pm$ 0.000 χ^2/NDF : 2162173.7/21

0.009 $\pm$ 0.000 χ^2/NDF : 2417657.1/23

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.443 ± 0.000 χ^2/NDF : 22552174.5/4

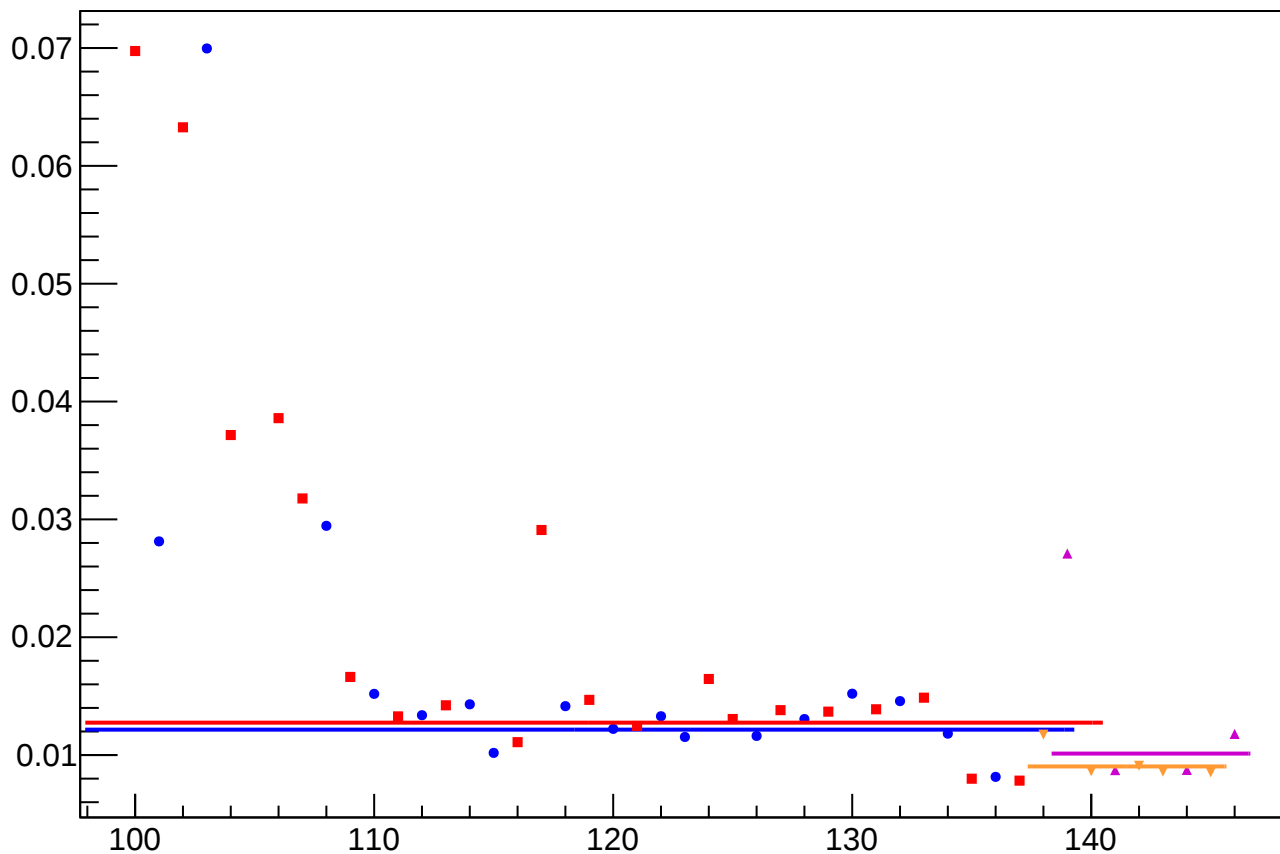
Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

Left In: -0.435 ± 0.000 χ^2/NDF : 18721926.0/3

-0.359 ± 0.000 χ^2/NDF : 1362819047.5/21

-0.337 ± 0.000 χ^2/NDF : 1412450175.9/23

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.009+/-0.000 χ^2/NDF : 61803.8/4

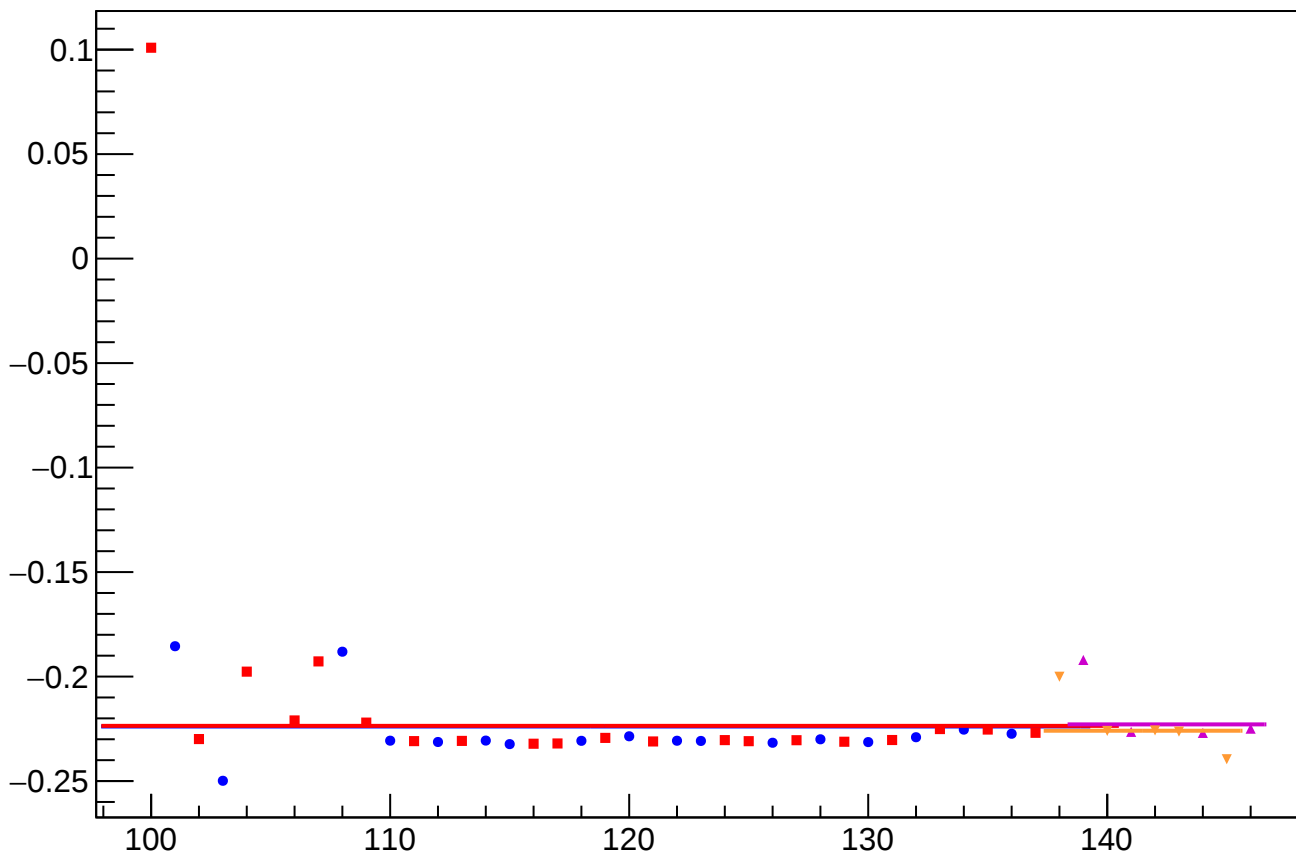
Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

Left In: 0.010+/-0.000 χ^2/NDF : 649423.7/3

0.011+/-0.000 χ^2/NDF : 2084084.3/21

0.012+/-0.000 χ^2/NDF : 2819645.7/23

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 : 20468066.2/4

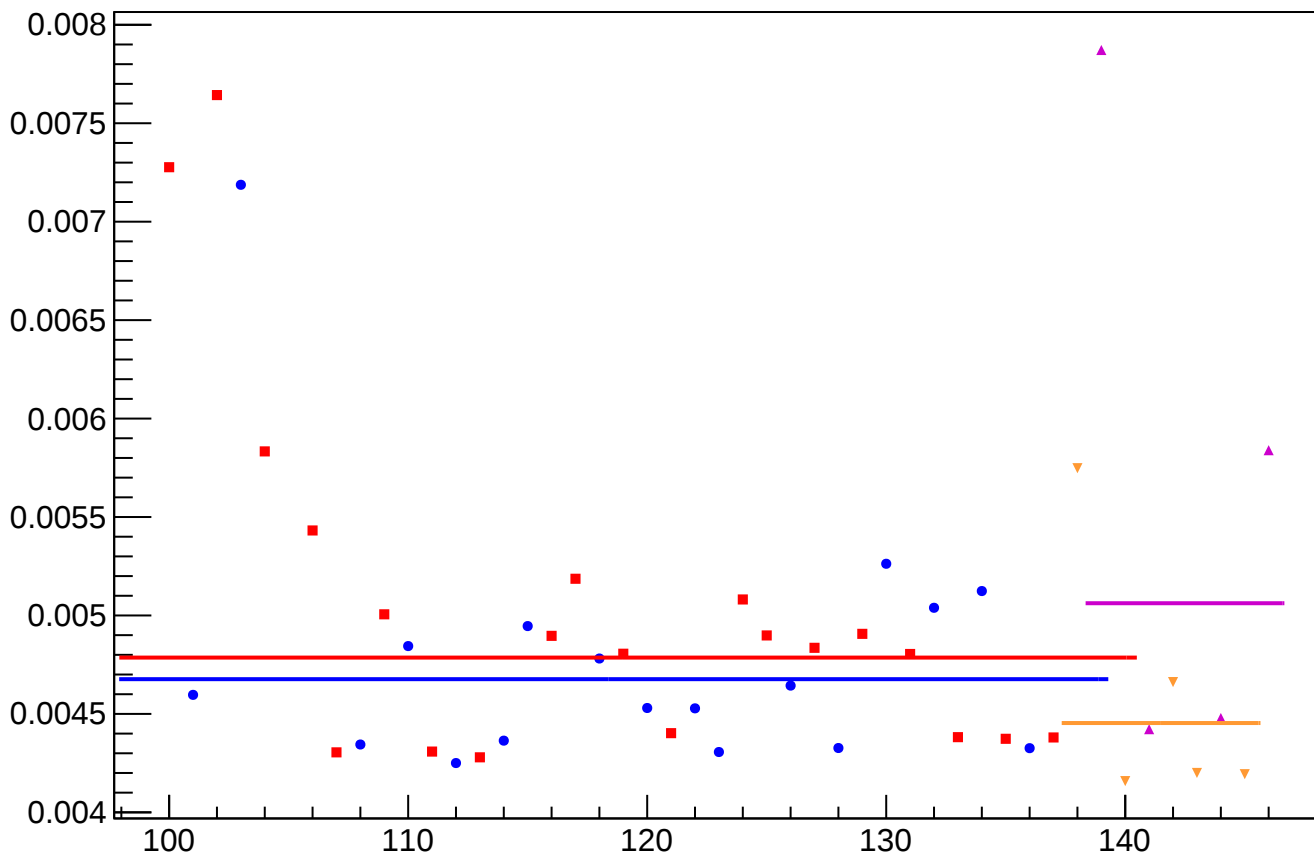
-0.225+/-0.000 χ^2/NDF : 95466657.9/21

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

-0.223+/-0.000 χ^2/NDF : 180047054.4/23

Left In: -0.223+/-0.000 χ^2/NDF : 11778285.8/3

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.004+/-0.000 χ^2/NDF : 85763.9/4

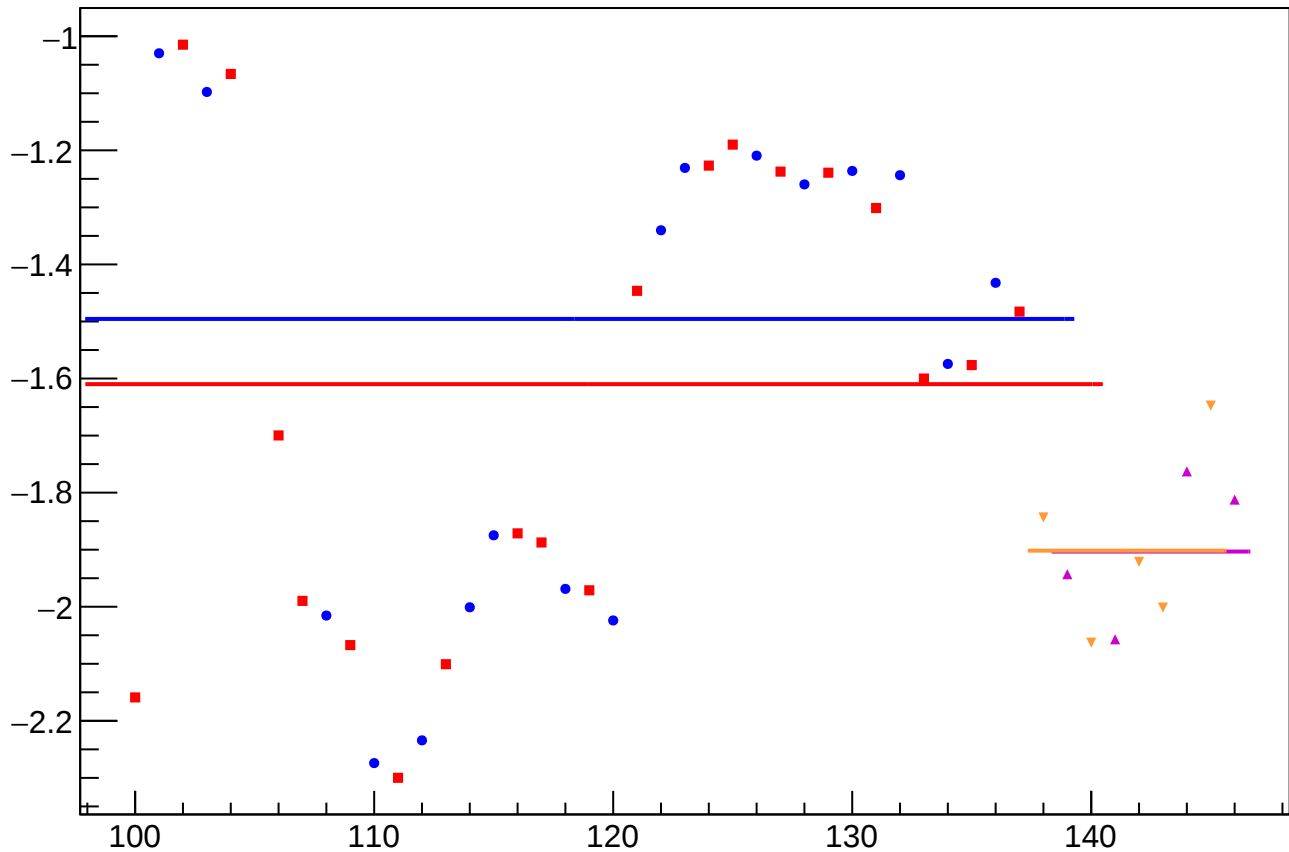
Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 259193.4/3

0.005+/-0.000 χ^2/NDF : 276124.1/21

0.005+/-0.000 χ^2/NDF : 520014.0/23

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.902+/-0.000 χ^2/NDF : 2344674586.6/4

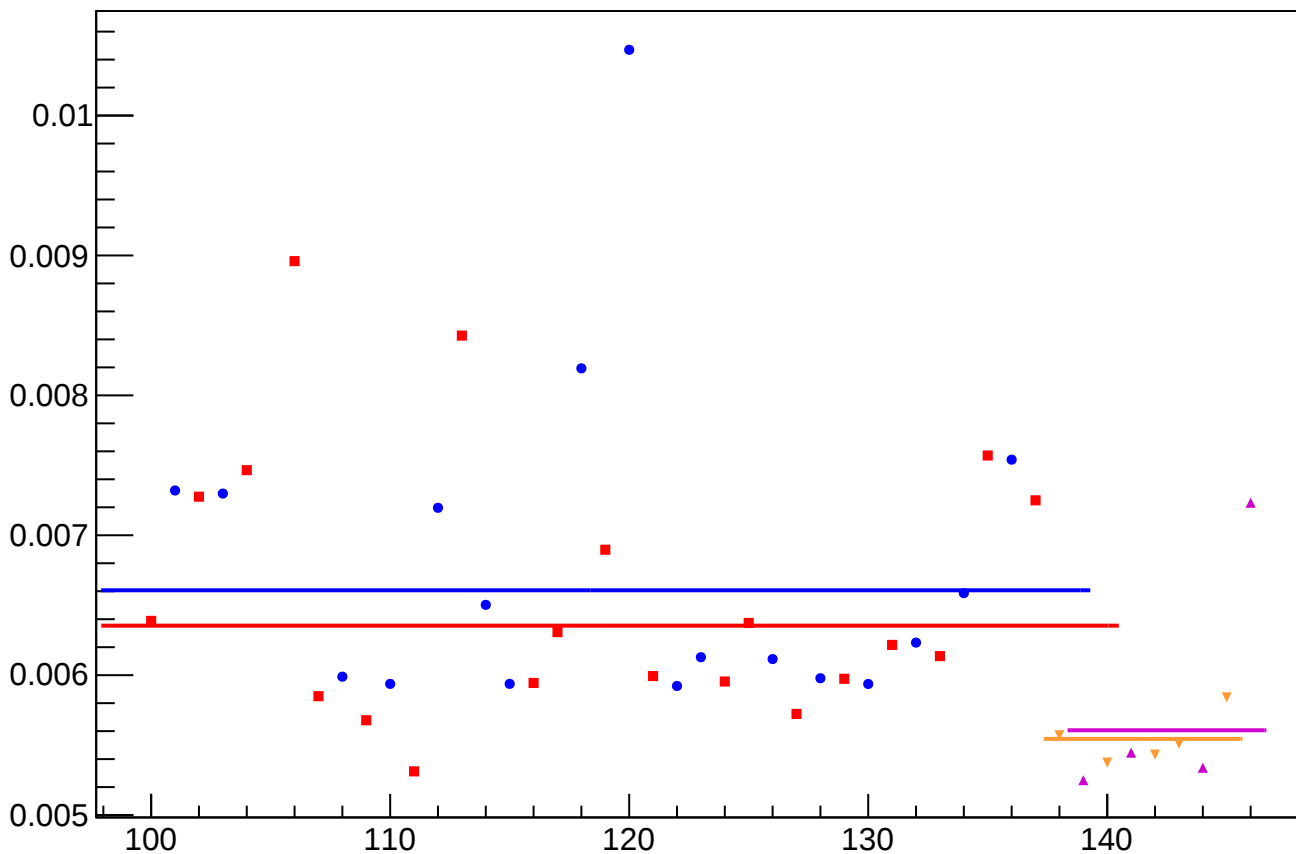
-1.671+/-0.000 χ^2/NDF : 34746994591.0/21

Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

-1.718+/-0.000 χ^2/NDF : 34520498677.2/23

Left In: -1.903+/-0.000 χ^2/NDF : 1379998188.4/3

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 :5668.7/4

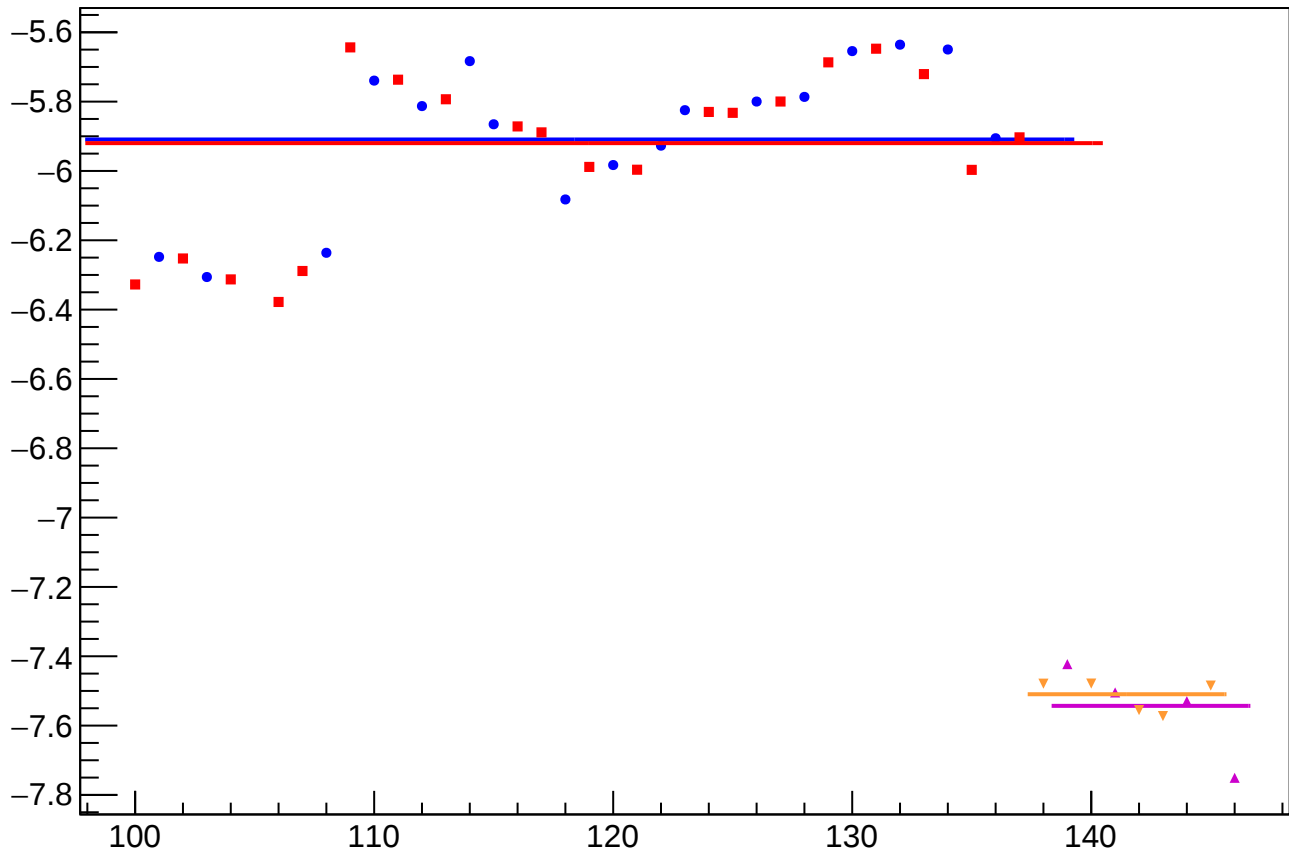
Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

Left In: 0.006+/-0.000 χ^2/NDF :81669.5/3

0.006+/-0.000 χ^2/NDF : 342390.2/21

0.006+/-0.000 χ^2/NDF : 376568.3/23

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.510+/-0.000 χ^2/NDF : 65353815.0/4

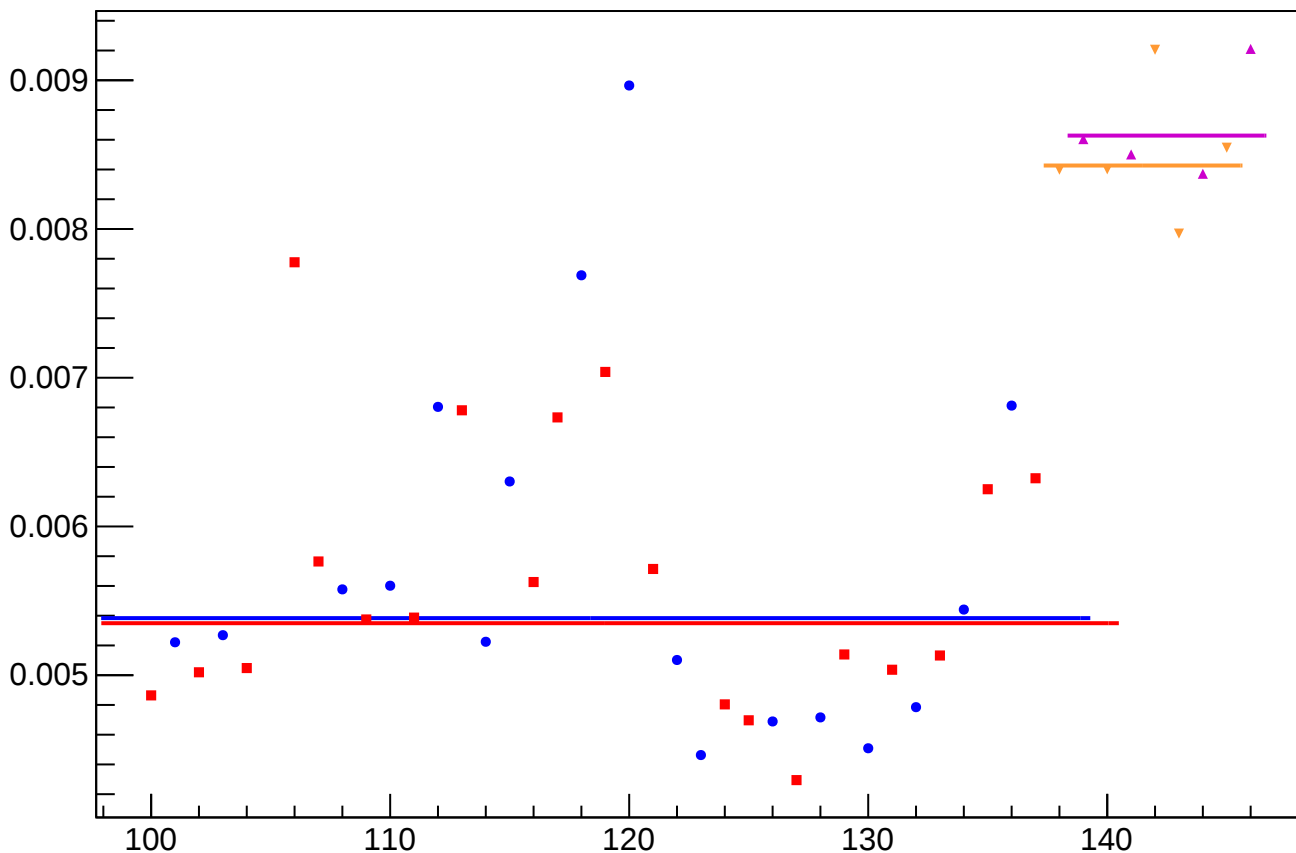
-6.168+/-0.000 χ^2/NDF : 95035714728.5/21

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

-6.147+/-0.000 χ^2/NDF : 95755747688.9/23

Left In: -7.543+/-0.000 χ^2/NDF : 448798857.1/3

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 :9237.5/4

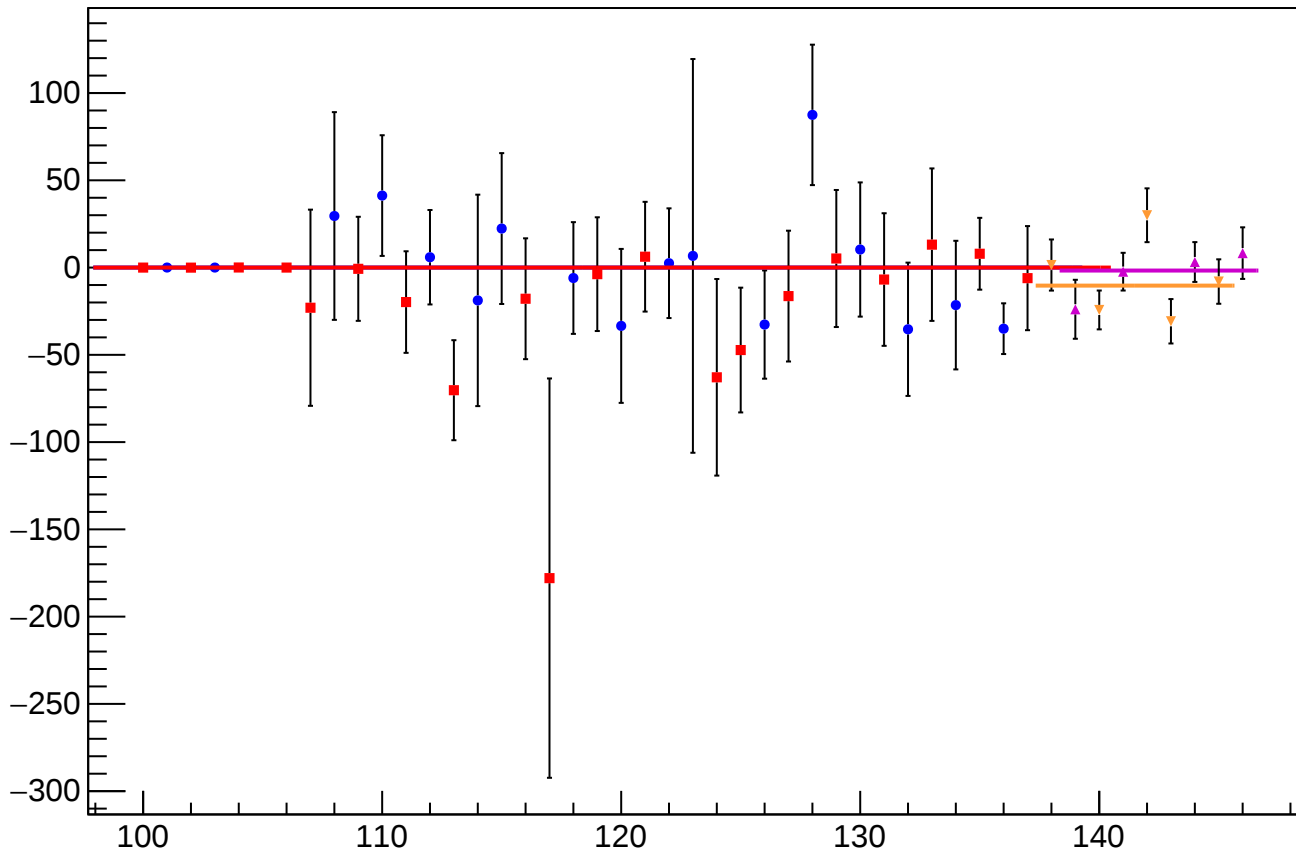
Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

Left In: 0.009+/-0.000 χ^2/NDF :6719.2/3

0.006+/-0.000 χ^2/NDF : 963236.6/21

0.006+/-0.000 χ^2/NDF : 927866.6/23

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 15.8/16

Left Out: -10.338 $\pm$ 5.842 χ^2 /NDF:11.7/4

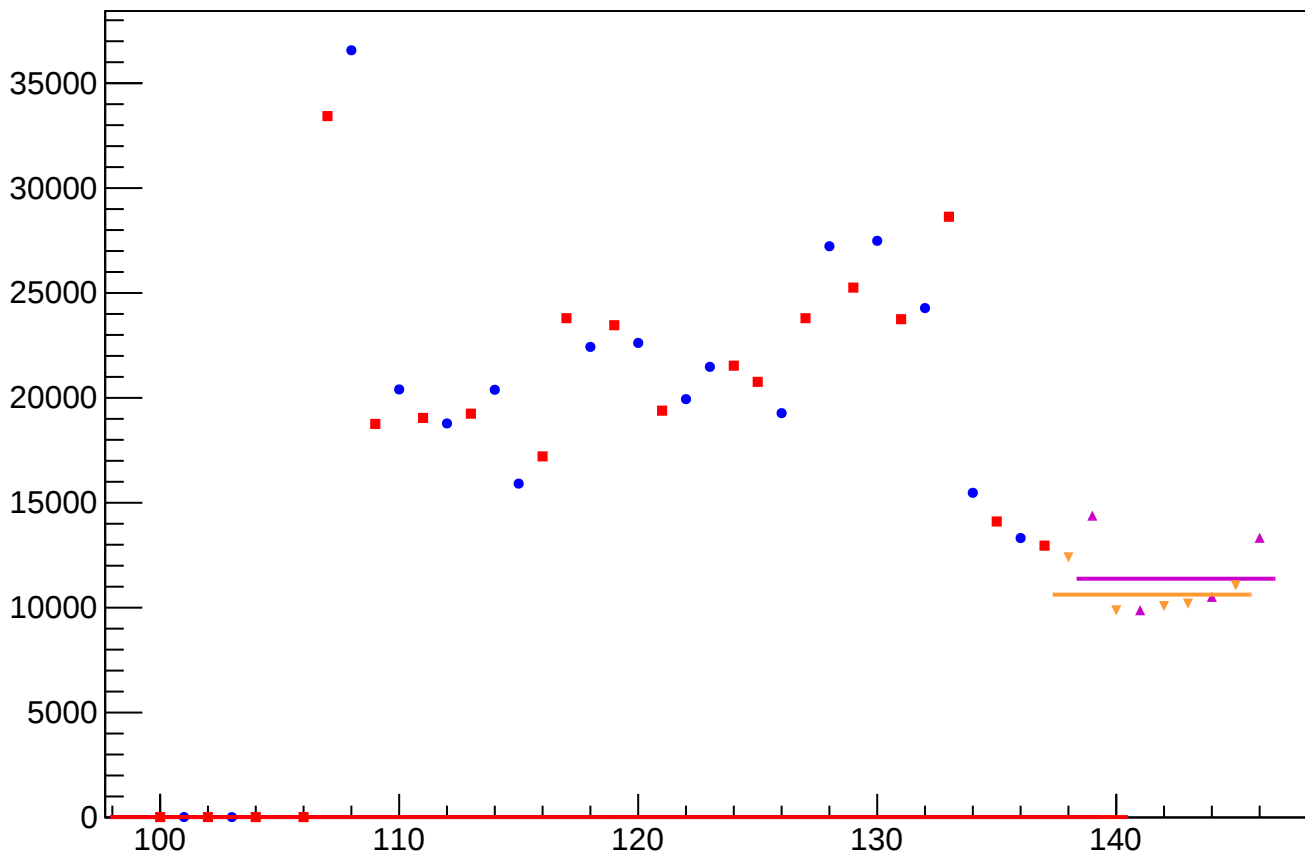
Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 17.7/19

Left In: -1.706 $\pm$ 6.411 χ^2 /NDF:2.4/3

0.013 $\pm$ 0.017 χ^2 /NDF: 30.6/21

0.003 $\pm$ 0.016 χ^2 /NDF: 20.2/23

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 10621.566+/-4.131 χ^2/NDF : 45728.2/4

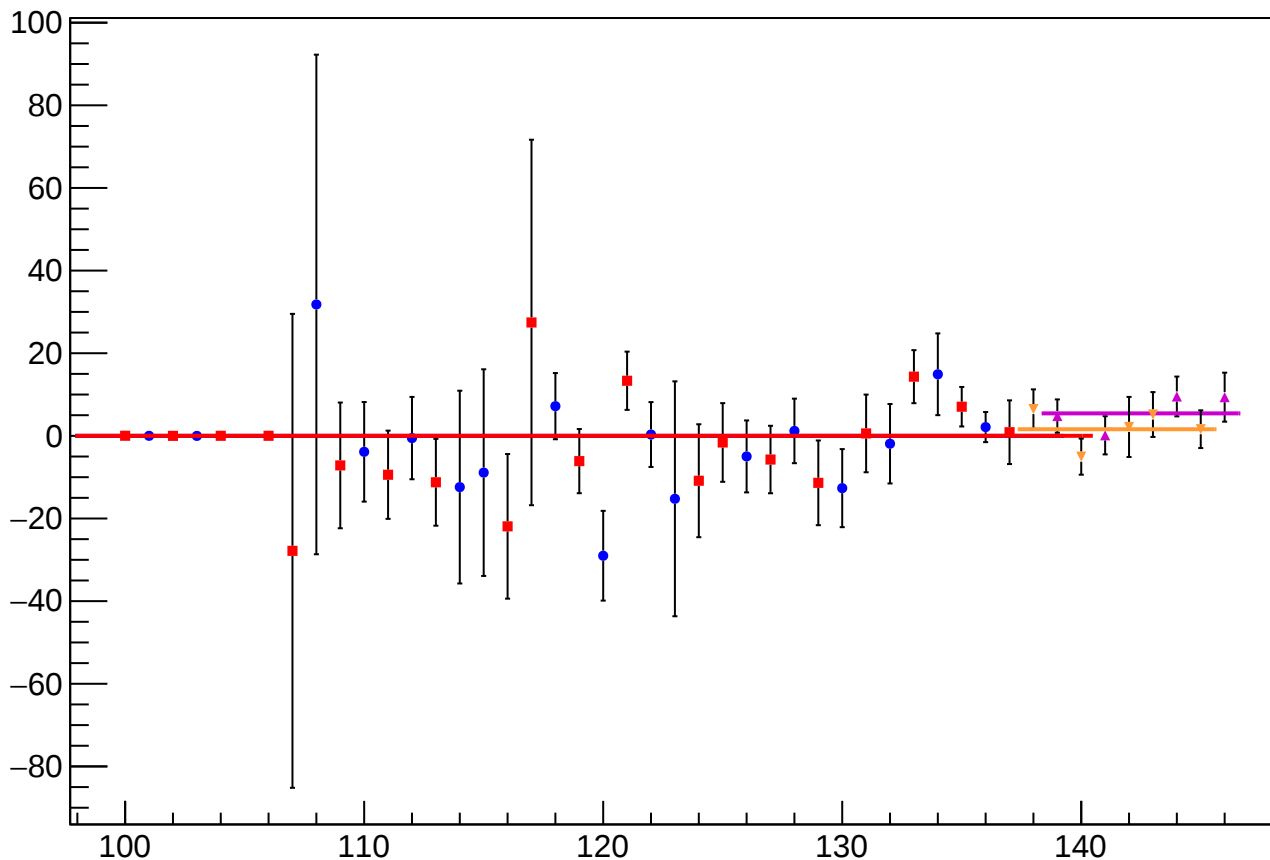
Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

Left In: 11379.134+/-4.533 χ^2/NDF : 148337.5/3

18.734+/-0.012 χ^2/NDF : 17474253.0/21

18.383+/-0.011 χ^2/NDF : 17618907.1/23

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 1.603 $\pm$ 2.251 χ^2 /NDF: 3.8/4

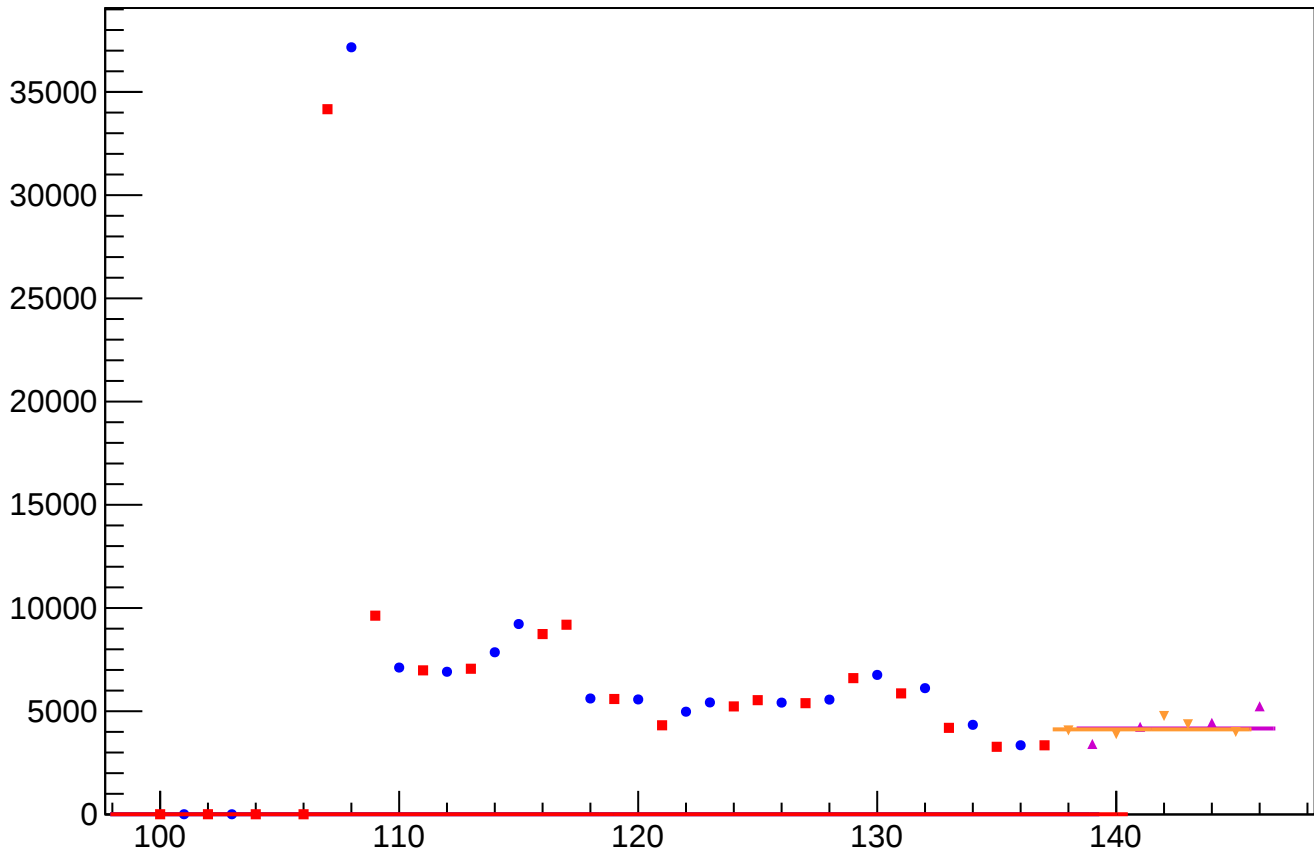
Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.8/19

Left In: 5.442 $\pm$ 2.357 χ^2 /NDF: 2.5/3

0.001 $\pm$ 0.009 χ^2 /NDF: 19.2/21

0.014 $\pm$ 0.009 χ^2 /NDF: 26.6/23

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4121.882+/-1.592 χ^2/NDF : 27447.3/4

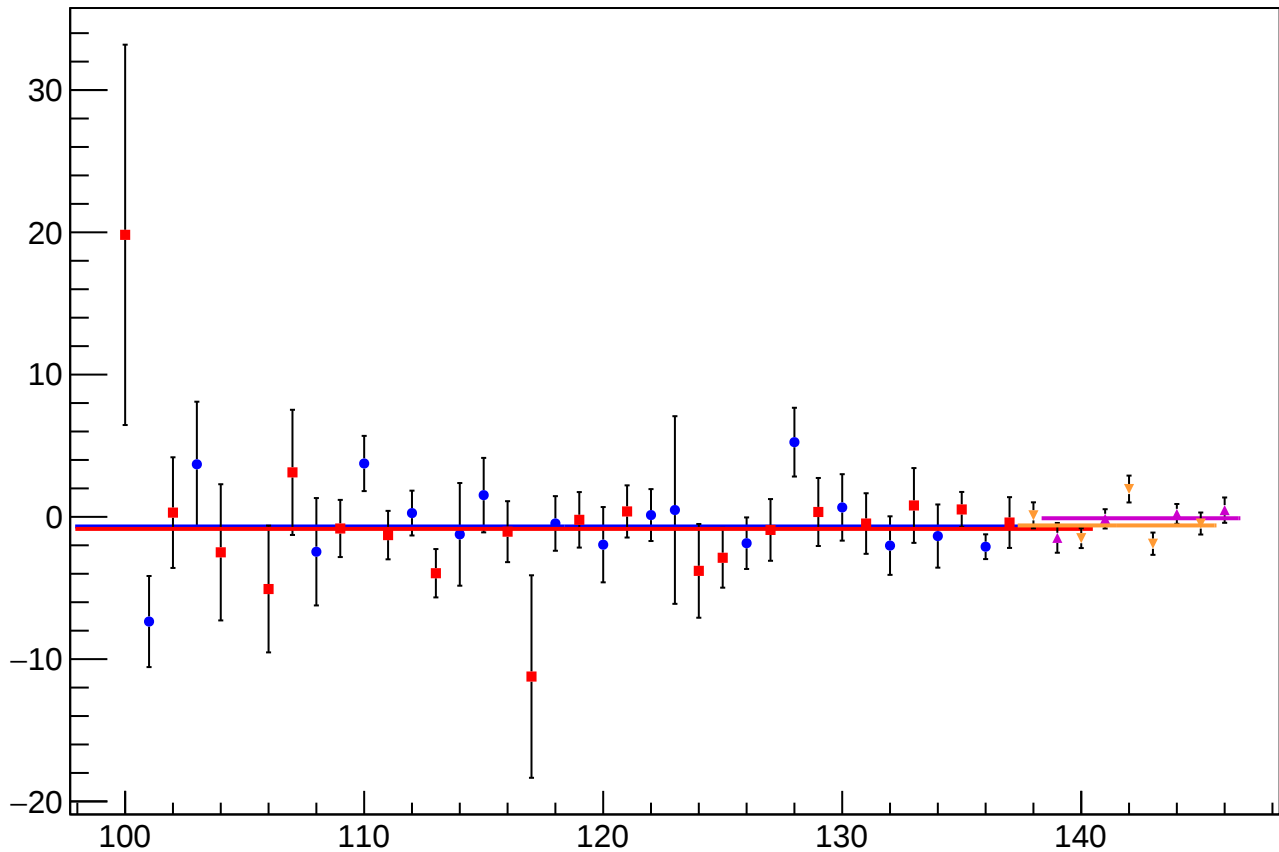
Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

Left In: 4164.361+/-1.666 χ^2/NDF : 142170.5/3

10.007+/-0.007 χ^2/NDF : 17673218.5/21

9.911+/-0.006 χ^2/NDF : 17597221.7/23

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

-0.629 ± 0.289 χ^2/NDF : 34.6/21

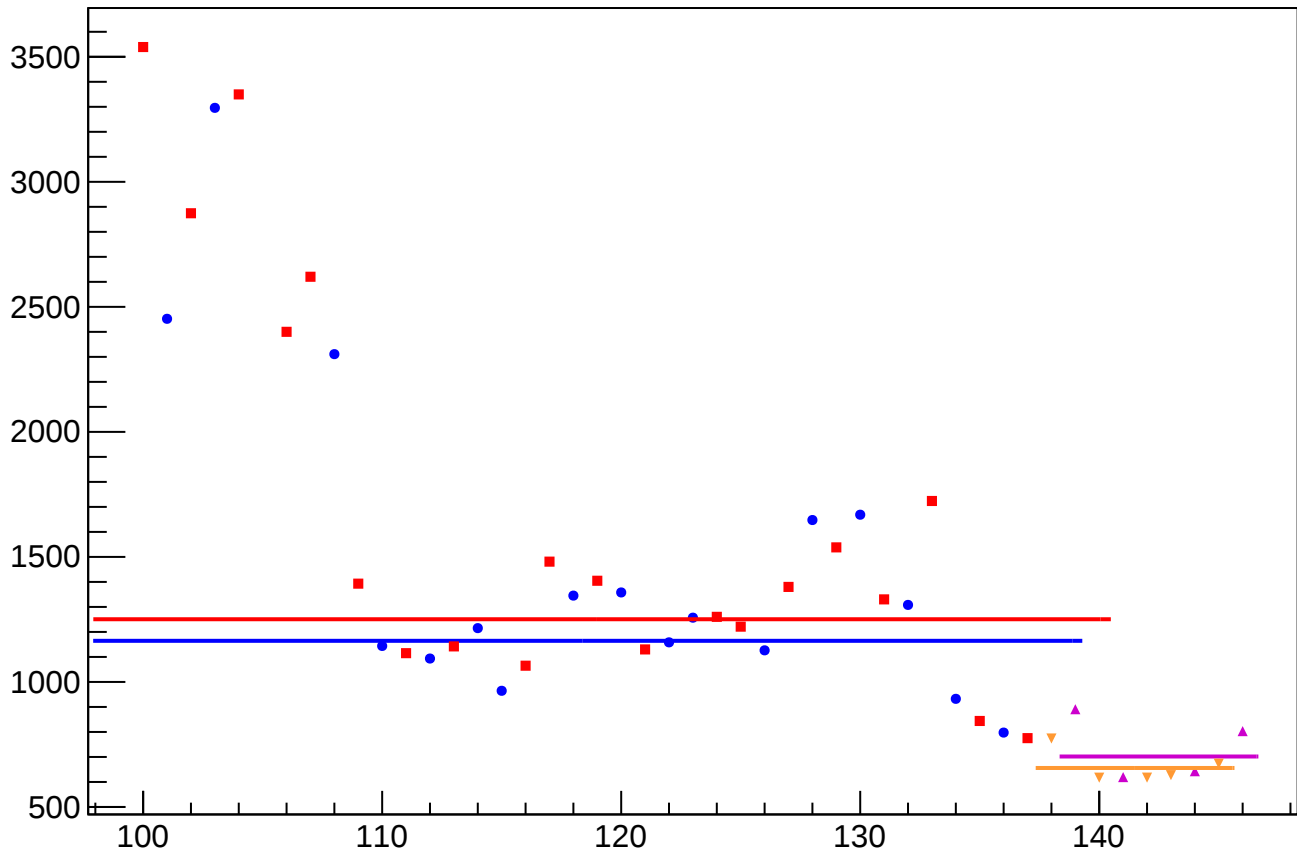
Left Out: -0.603 ± 0.360 χ^2/NDF : 12.3/4

Right Out: -0.846 ± 0.500 χ^2/NDF : 14.1/19

-0.385 ± 0.310 χ^2/NDF : 17.8/23

Left In: -0.098 ± 0.395 χ^2/NDF : 2.3/3

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 655.944 $\pm$ 0.255 χ^2 /NDF: 46569.3/4

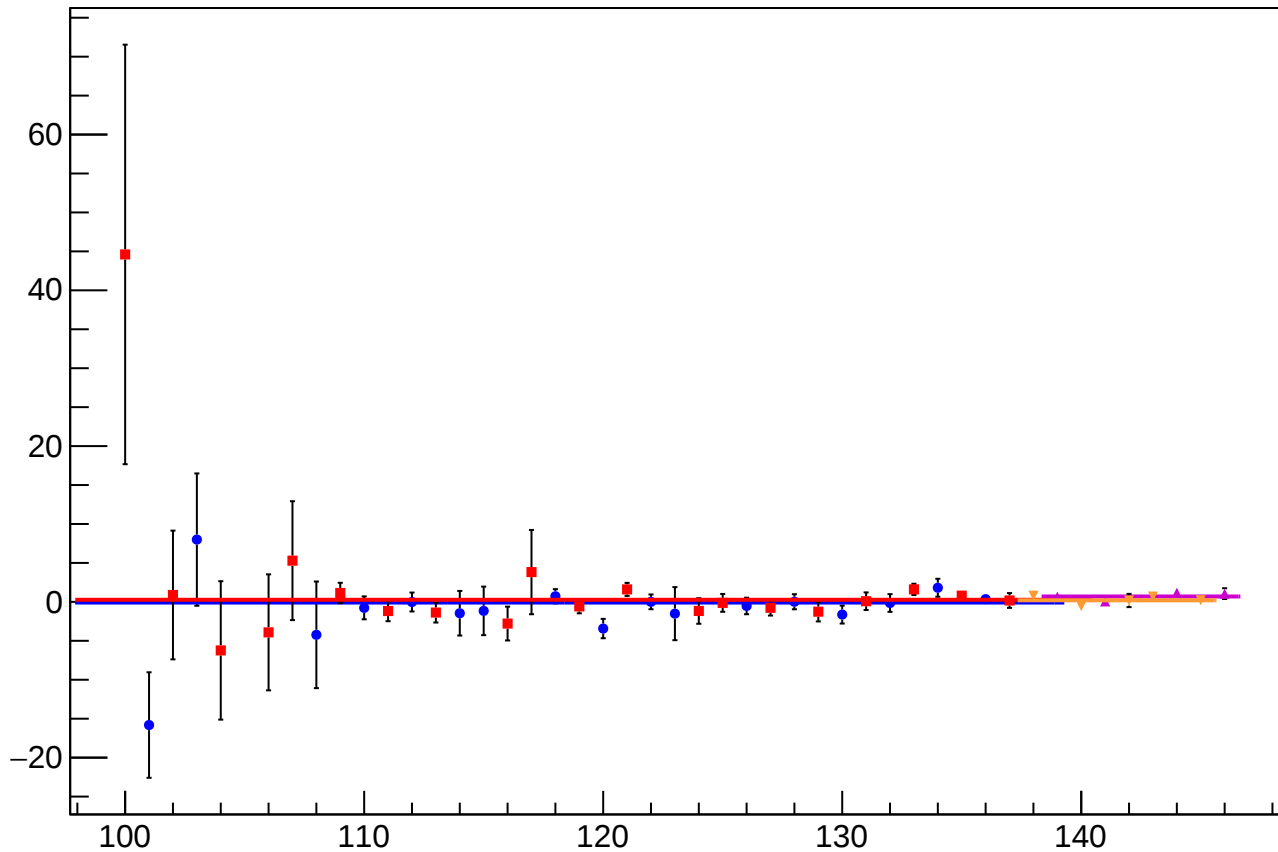
Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

Left In: 701.842 $\pm$ 0.279 χ^2 /NDF: 135158.8/3

837.327 $\pm$ 0.204 χ^2 /NDF: 3050231.3/21

912.640 $\pm$ 0.219 χ^2 /NDF: 3271738.1/23

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

0.060 ± 0.189 χ^2/NDF : 25.4/21

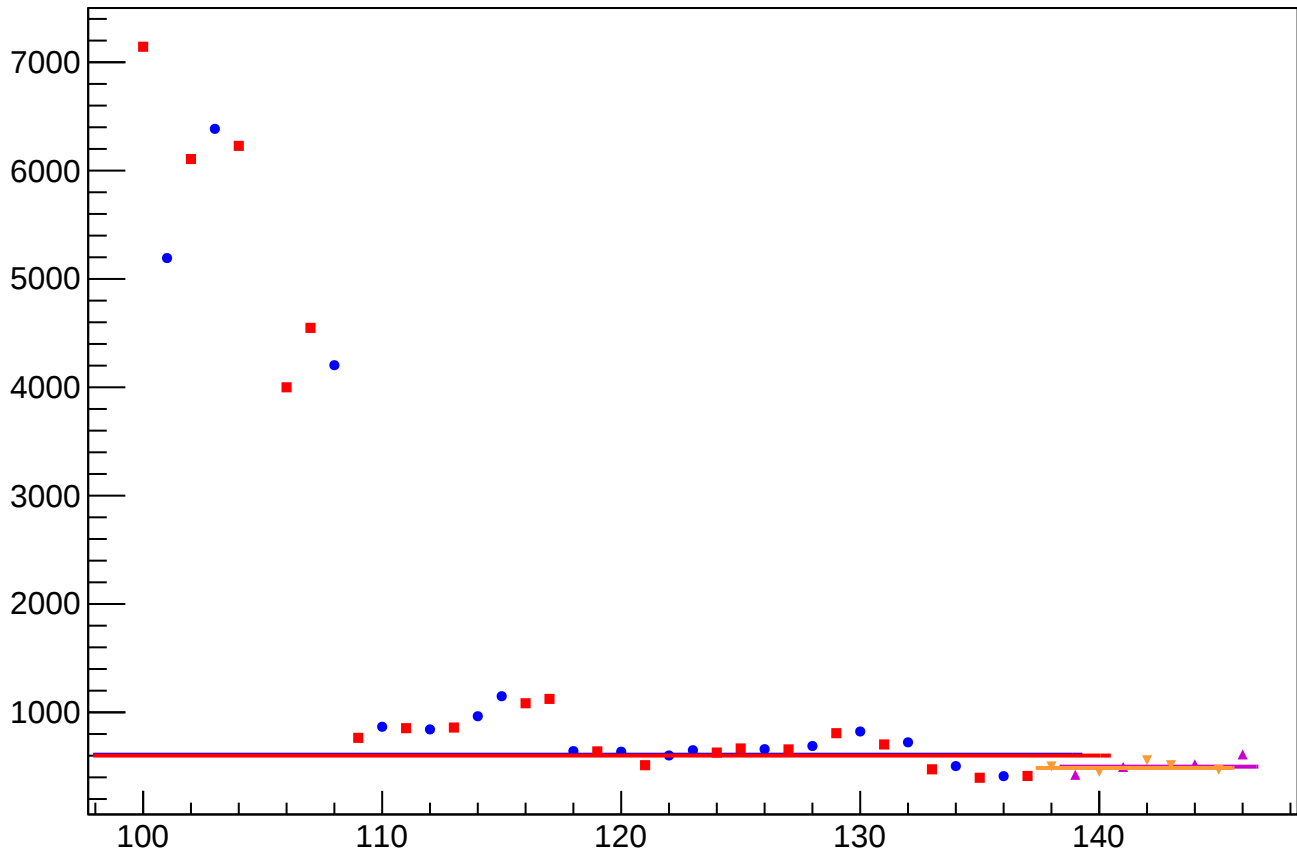
Left Out: 0.200 ± 0.266 χ^2/NDF : 3.7/4

Right Out: 0.268 ± 0.264 χ^2/NDF : 20.9/19

0.466 ± 0.192 χ^2/NDF : 24.5/23

Left In: 0.691 ± 0.281 χ^2/NDF : 2.4/3

diff_cav4cY_rms vs Slug



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 486.688+/-0.188 χ^2/NDF :30482.3/4

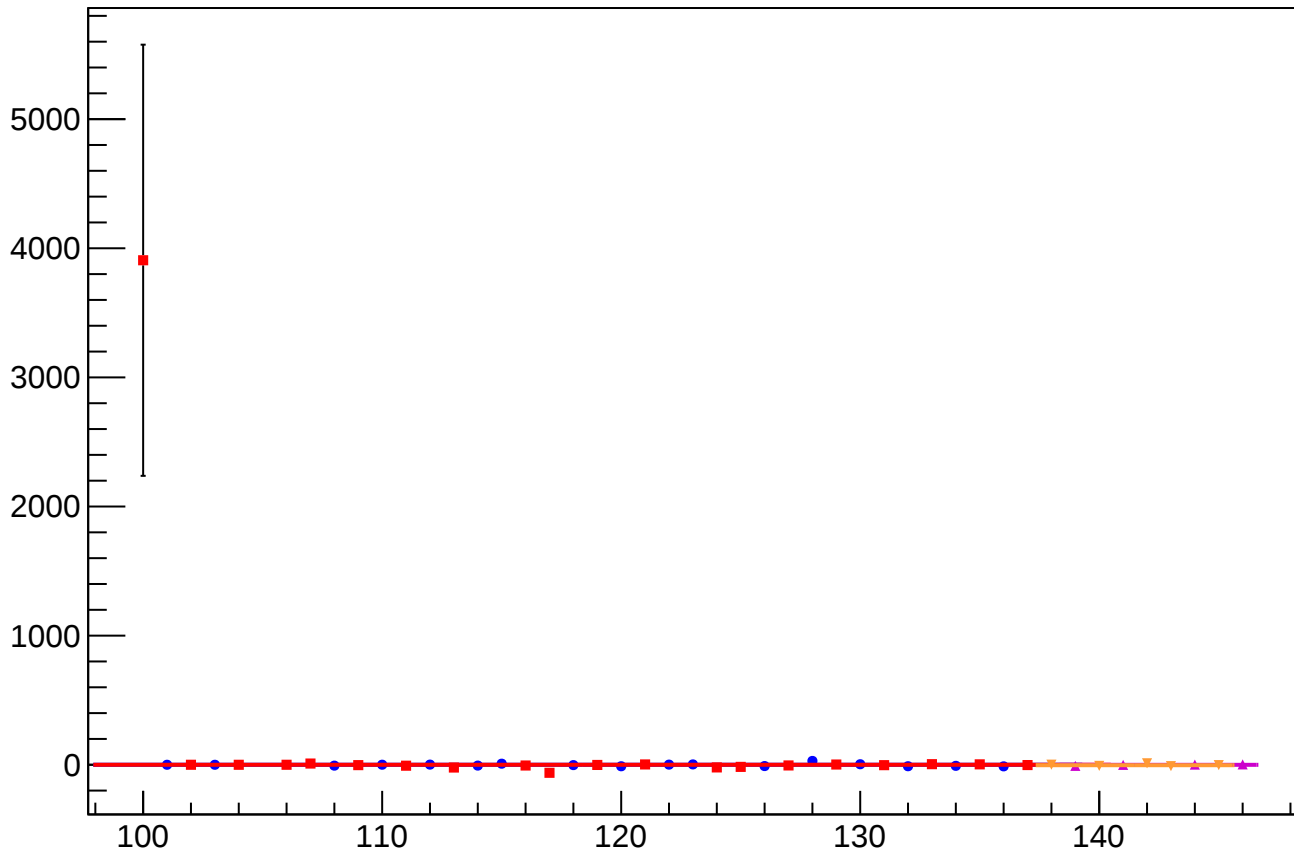
546.845+/-0.134 χ^2/NDF : 3378124.7/21

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

553.158+/-0.136 χ^2/NDF : 3809094.7/23

Left In: 498.701+/-0.199 χ^2/NDF :101648.6/3

diff_cav4dX_mean vs Slug



Right In: -0.022+/-0.021 χ^2 /NDF: 15.3/16

Left Out: -3.465+/-2.081 χ^2 /NDF:12.4/4

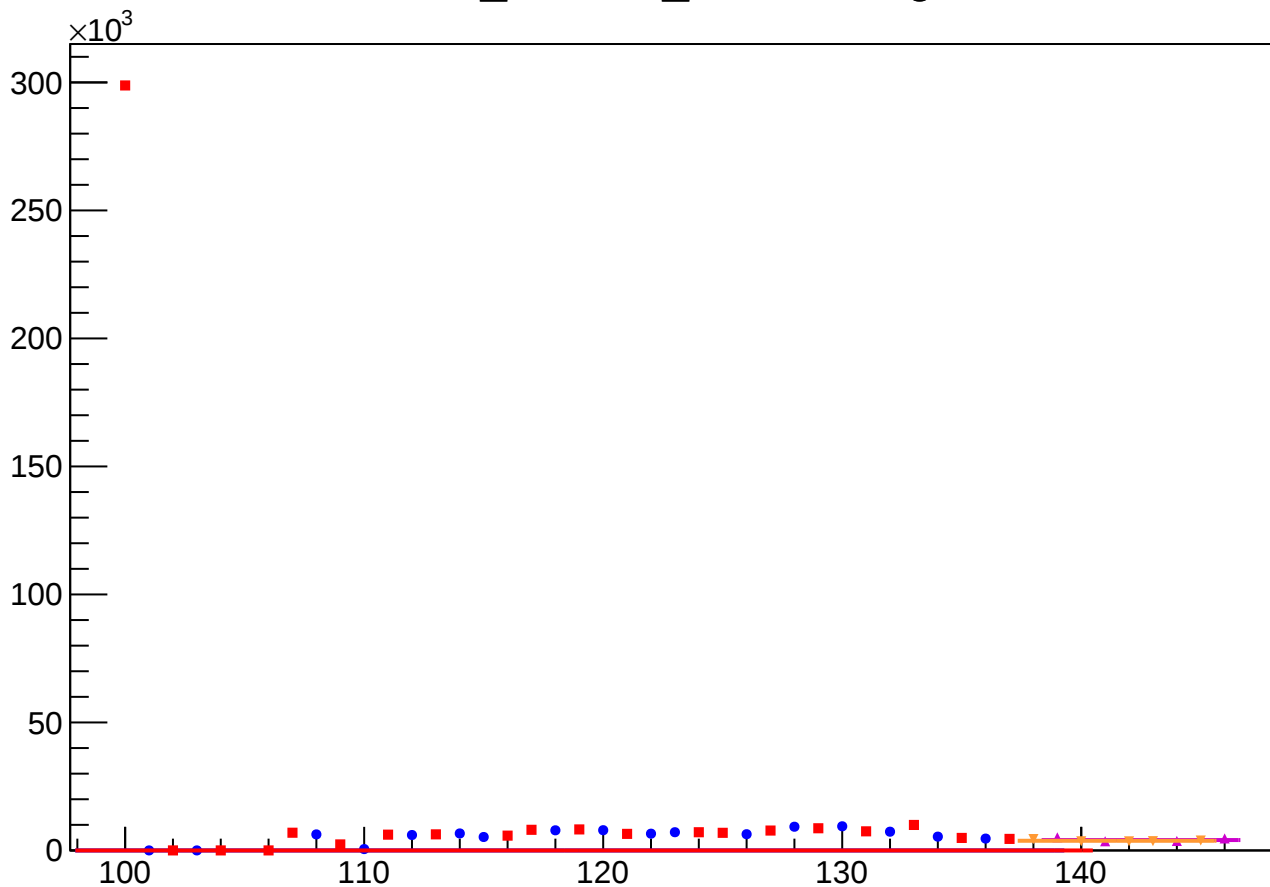
Right Out: -0.027+/-0.020 χ^2 /NDF: 19.8/19

Left In: -0.524+/-2.287 χ^2 /NDF:2.4/3

-0.022+/-0.021 χ^2 /NDF: 30.4/21

-0.027+/-0.020 χ^2 /NDF: 22.3/23

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 3785.373 $\pm$ 1.471 χ^2 /NDF: 44370.7/4

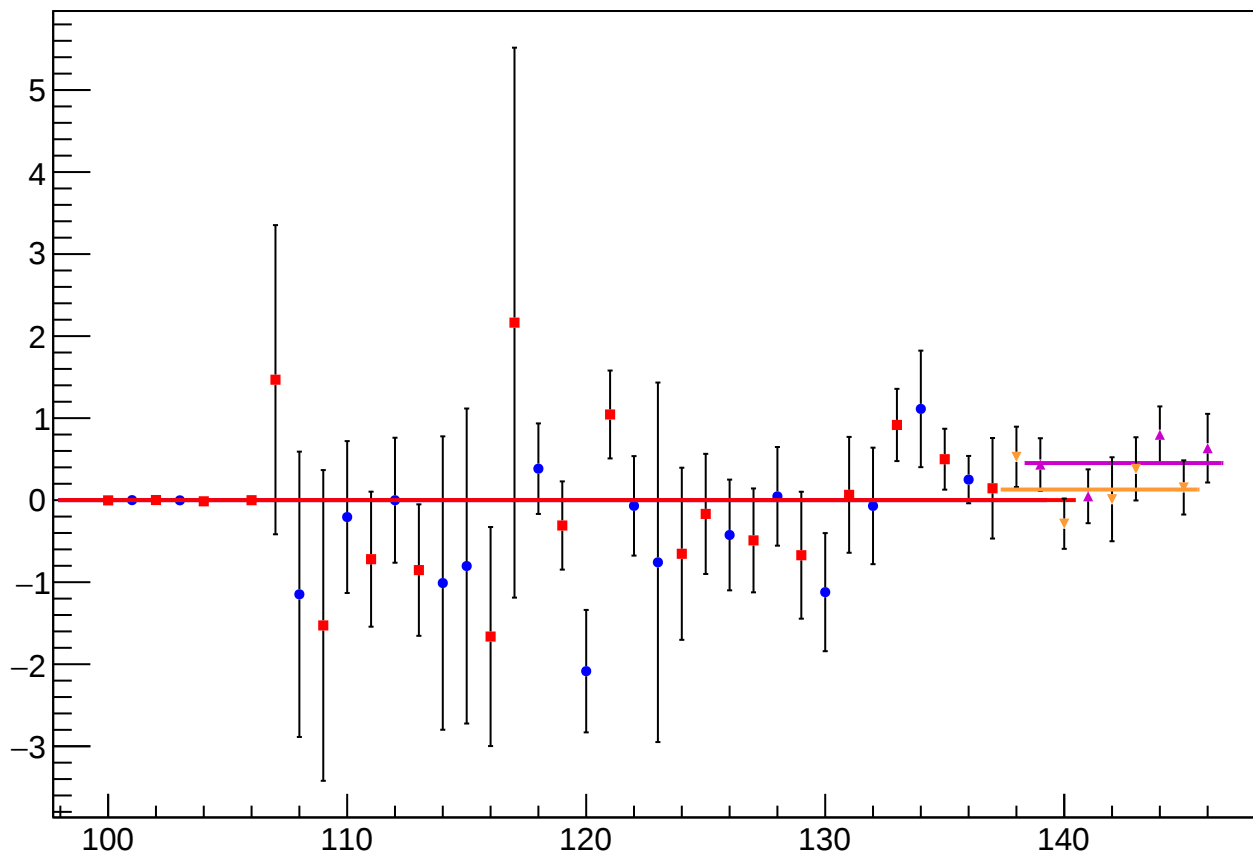
Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

Left In: 4064.737 $\pm$ 1.617 χ^2 /NDF: 136885.1/3

17.713 $\pm$ 0.015 χ^2 /NDF: 16961512.5/21

17.573 $\pm$ 0.014 χ^2 /NDF: 17299578.1/23

diff_cav4dY_mean vs Slug



Right In: 0.000+/-0.002 χ^2/NDF : 15.6/16

Left Out: 0.130+/-0.163 χ^2/NDF : 3.5/4

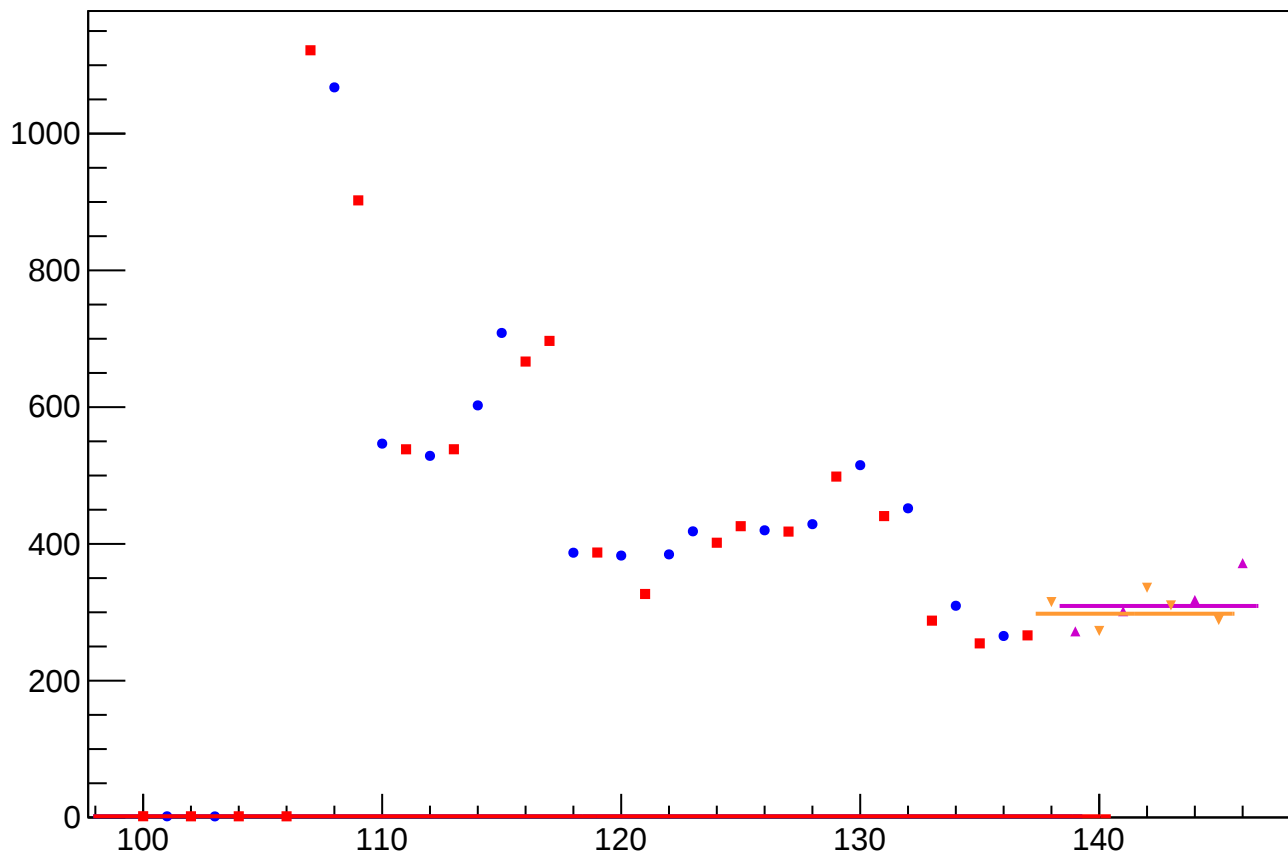
Right Out: 0.001+/-0.002 χ^2/NDF : 18.2/19

Left In: 0.452+/-0.174 χ^2/NDF : 2.7/3

0.000+/-0.002 χ^2/NDF : 19.8/21

0.001+/-0.002 χ^2/NDF : 27.7/23

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 297.929+/-0.115 χ^2/NDF : 32339.5/4

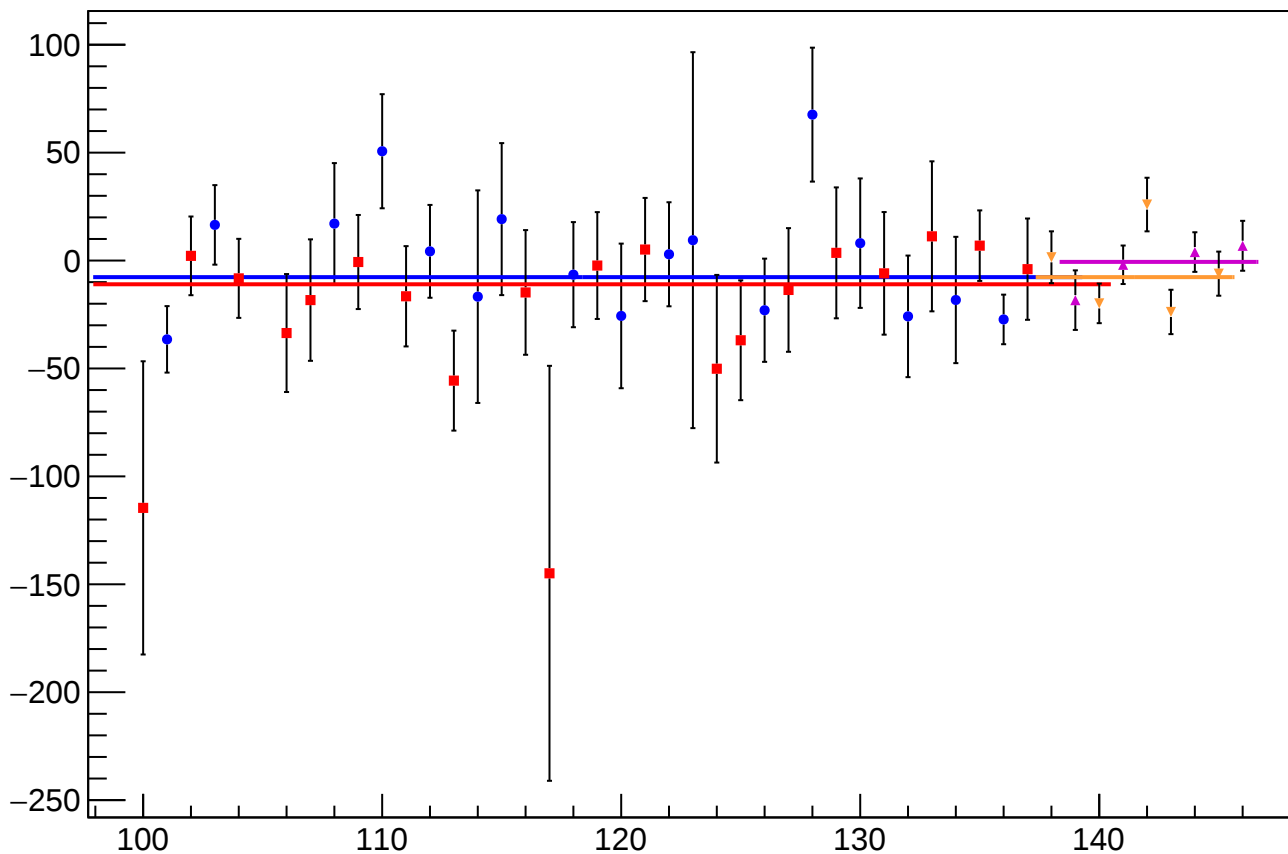
Right Out: 1.729+/-0.001 χ^2/NDF : 10822679.1/19

Left In: 309.271+/-0.123 χ^2/NDF : 73862.1/3

1.744+/-0.001 χ^2/NDF : 17569649.6/21

1.767+/-0.001 χ^2/NDF : 17150433.1/23

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -7.683 ± 4.749 χ^2/NDF : 12.2/4

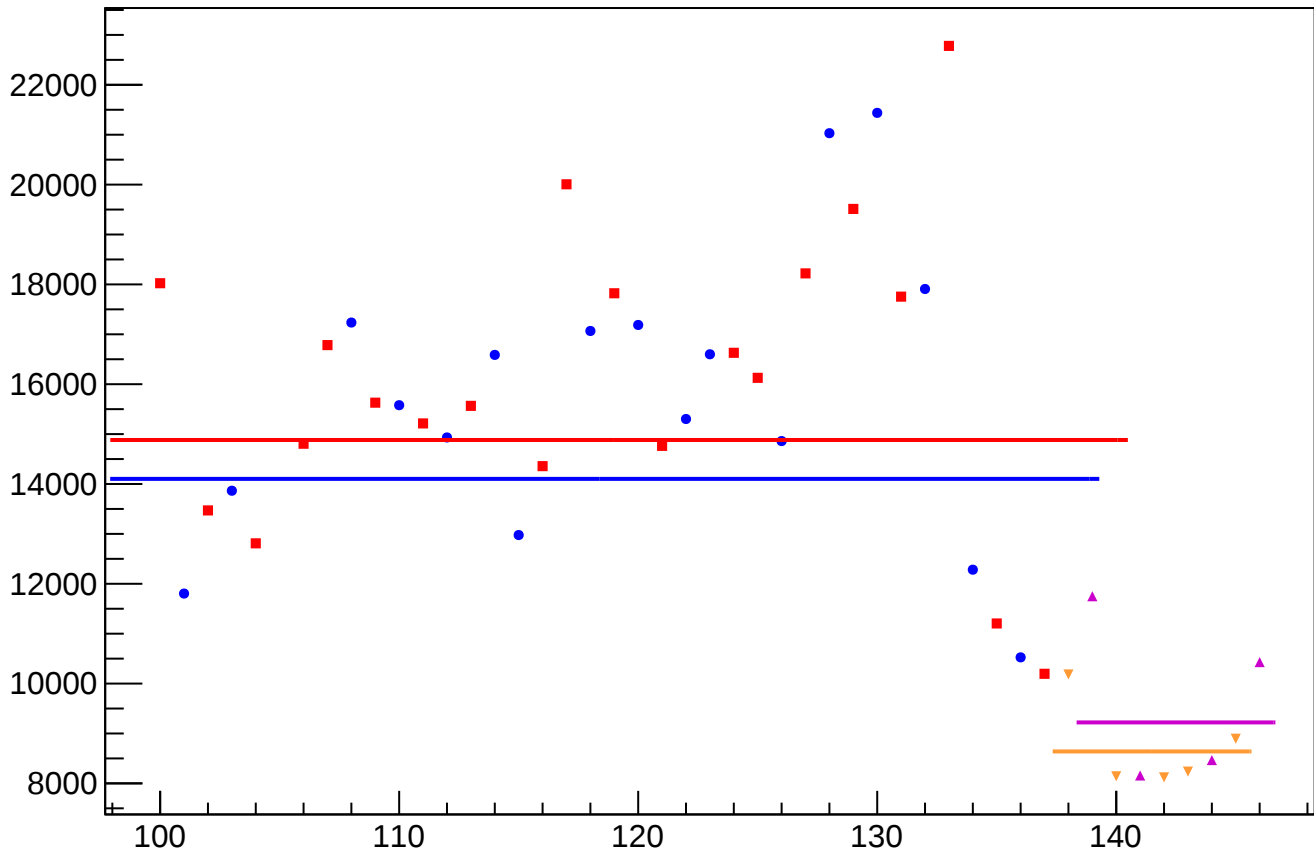
Right Out: -10.992 ± 5.672 χ^2/NDF : 13.8/19

Left In: -0.620 ± 5.186 χ^2/NDF : 2.3/3

-7.683 ± 3.629 χ^2/NDF : 34.5/21

-5.343 ± 3.828 χ^2/NDF : 18.0/23

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 8640.020+/-3.358 χ^2/NDF : 46686.5/4

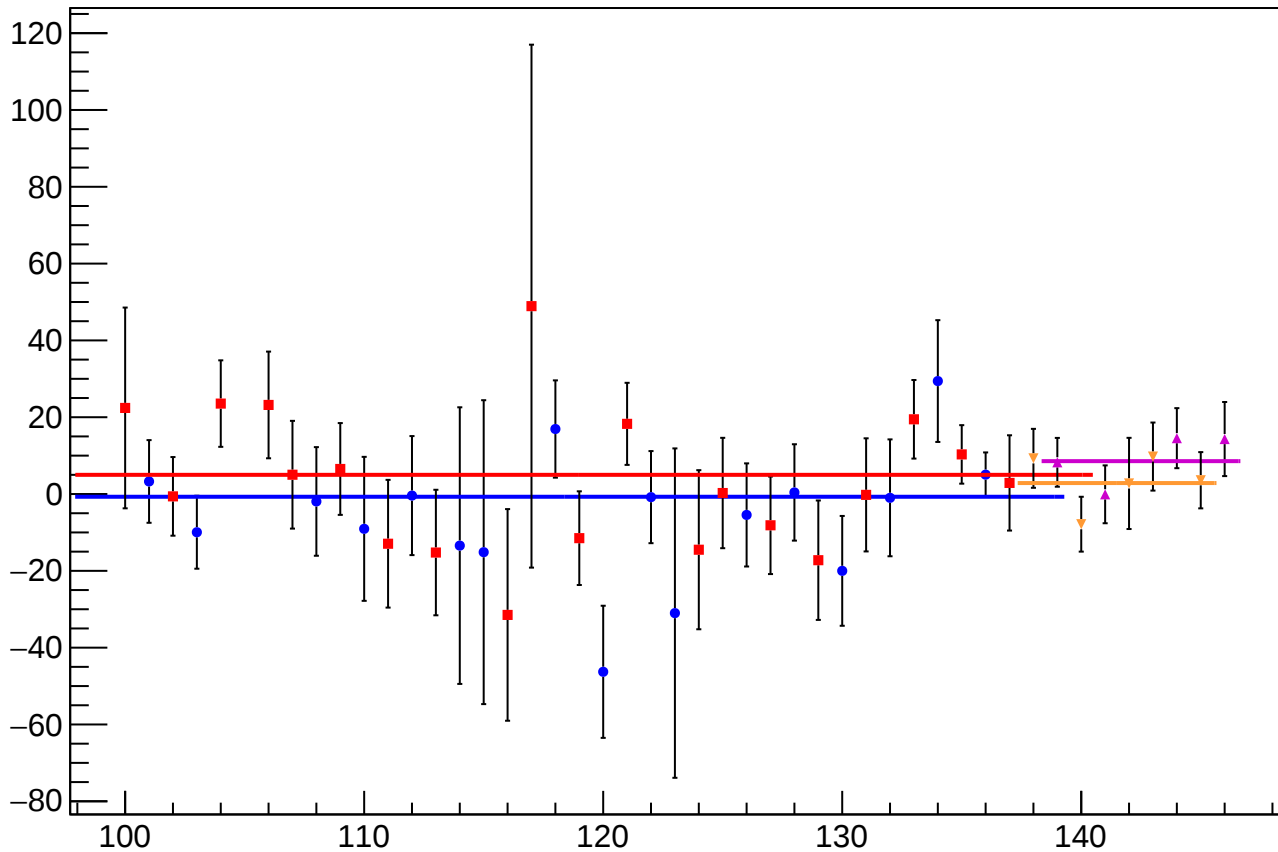
Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

Left In: 9221.630+/-3.667 χ^2/NDF : 130990.6/3

10912.169+/-2.566 χ^2/NDF : 1746334.1/21

11799.055+/-2.707 χ^2/NDF : 1691723.4/23

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 2.859 ± 3.650 χ^2/NDF : 3.6/4

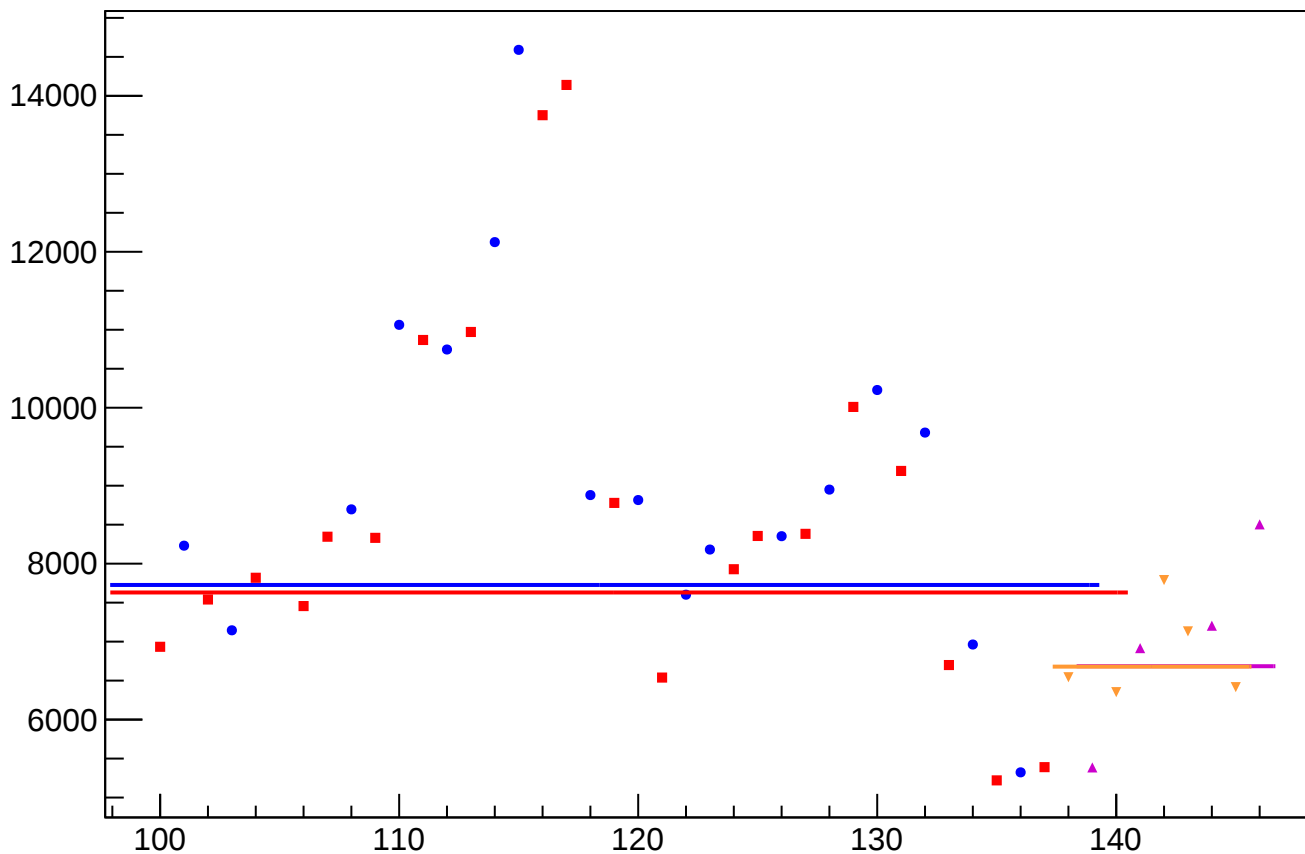
Right Out: 5.000 ± 2.937 χ^2/NDF : 20.2/19

Left In: 8.564 ± 3.793 χ^2/NDF : 2.3/3

0.778 ± 2.355 χ^2/NDF : 21.7/21

6.336 ± 2.322 χ^2/NDF : 23.0/23

diff_bpm4aY_rms vs Slug



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 6679.257 $\pm$ 2.581 χ^2 /NDF:30118.5/4

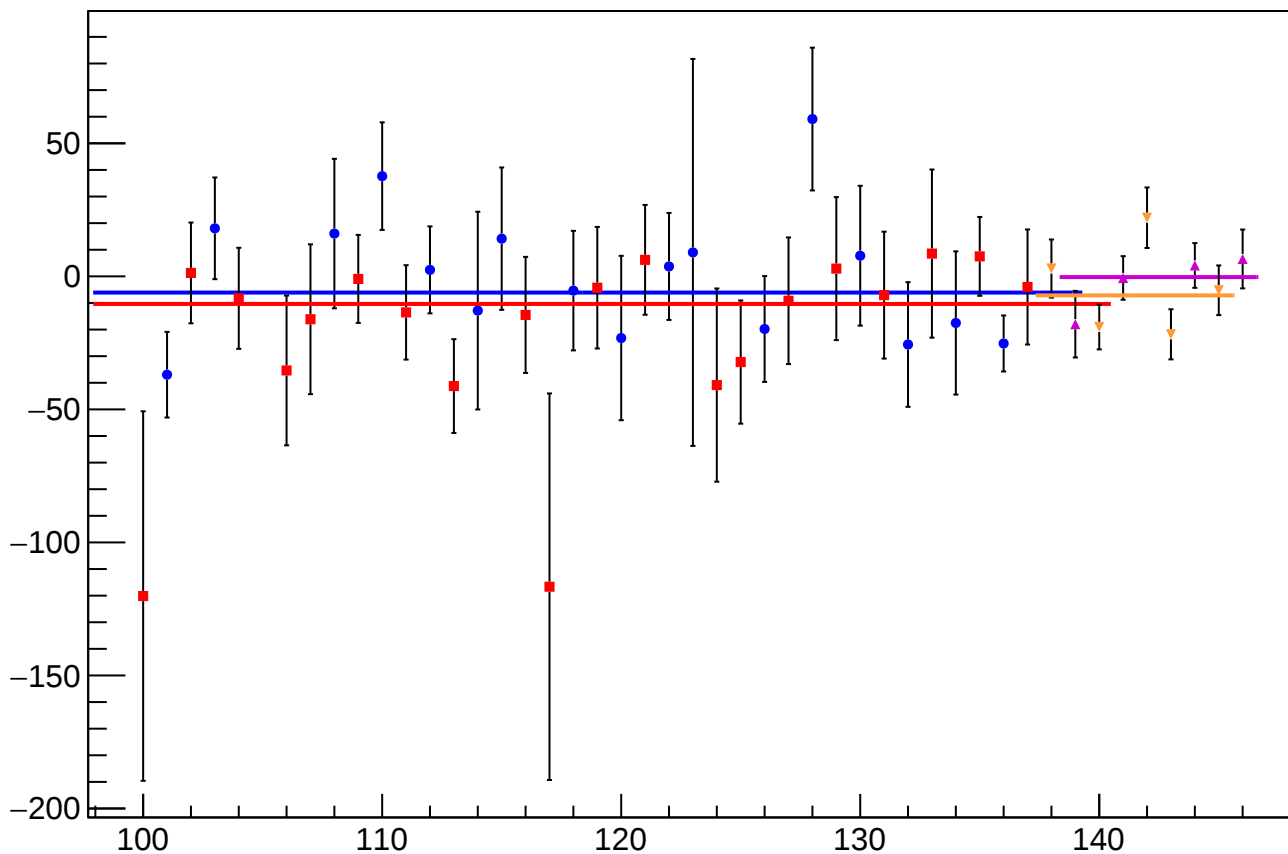
Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

Left In: 6684.548 $\pm$ 2.682 χ^2 /NDF:165343.0/3

7290.473 $\pm$ 1.666 χ^2 /NDF: 868758.2/21

7275.849 $\pm$ 1.642 χ^2 /NDF: 936534.6/23

diff_bpm4eX_mean vs Slug



Right In: -6.092 $\pm$ 5.034 χ^2 /NDF: 22.9/16

Left Out: -7.155 $\pm$ 4.345 χ^2 /NDF: 11.9/4

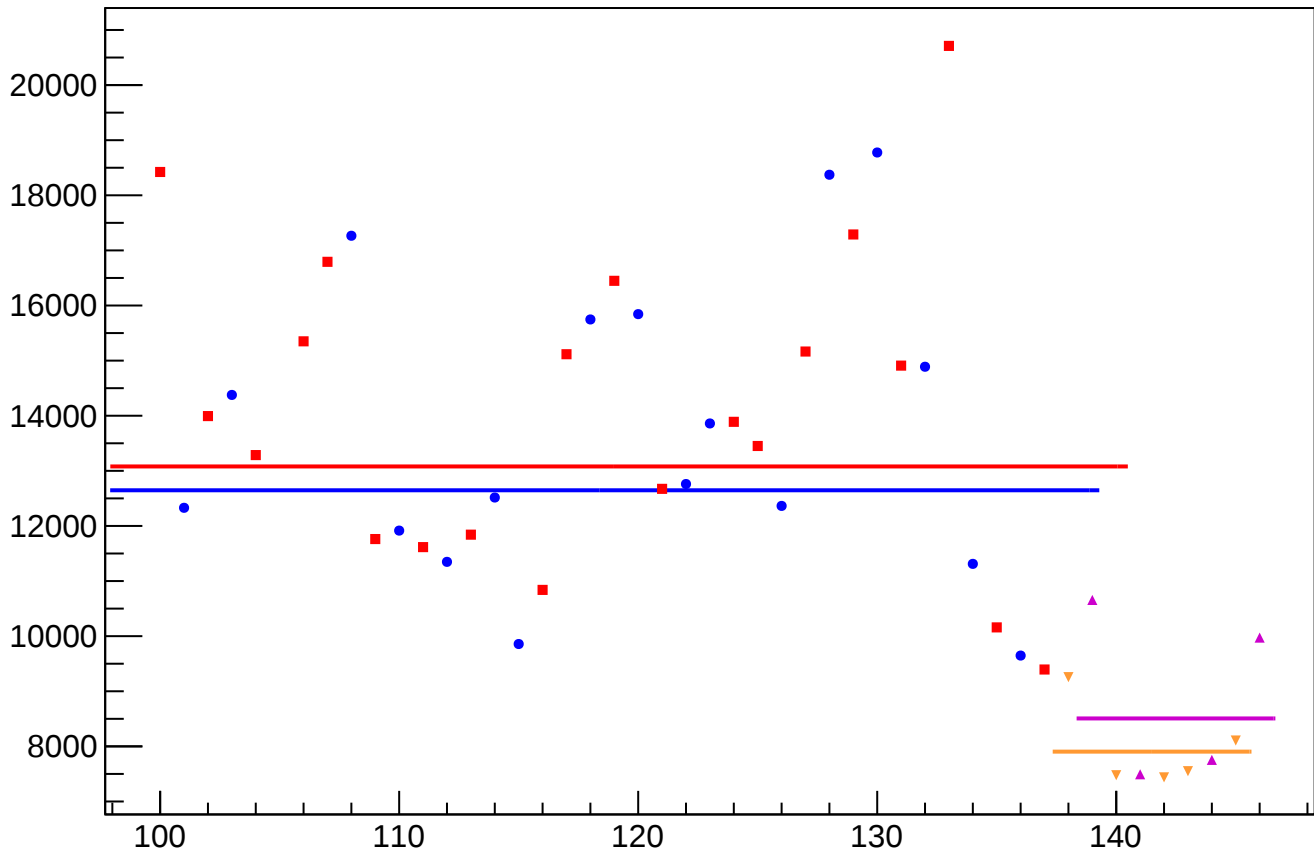
Right Out: -10.369 $\pm$ 4.992 χ^2 /NDF: 13.8/19

Left In: -0.282 $\pm$ 4.788 χ^2 /NDF: 2.7/3

-6.701 $\pm$ 3.289 χ^2 /NDF: 34.8/21

-5.115 $\pm$ 3.455 χ^2 /NDF: 18.6/23

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 7904.680+/-3.073 χ^2/NDF : 42925.7/4

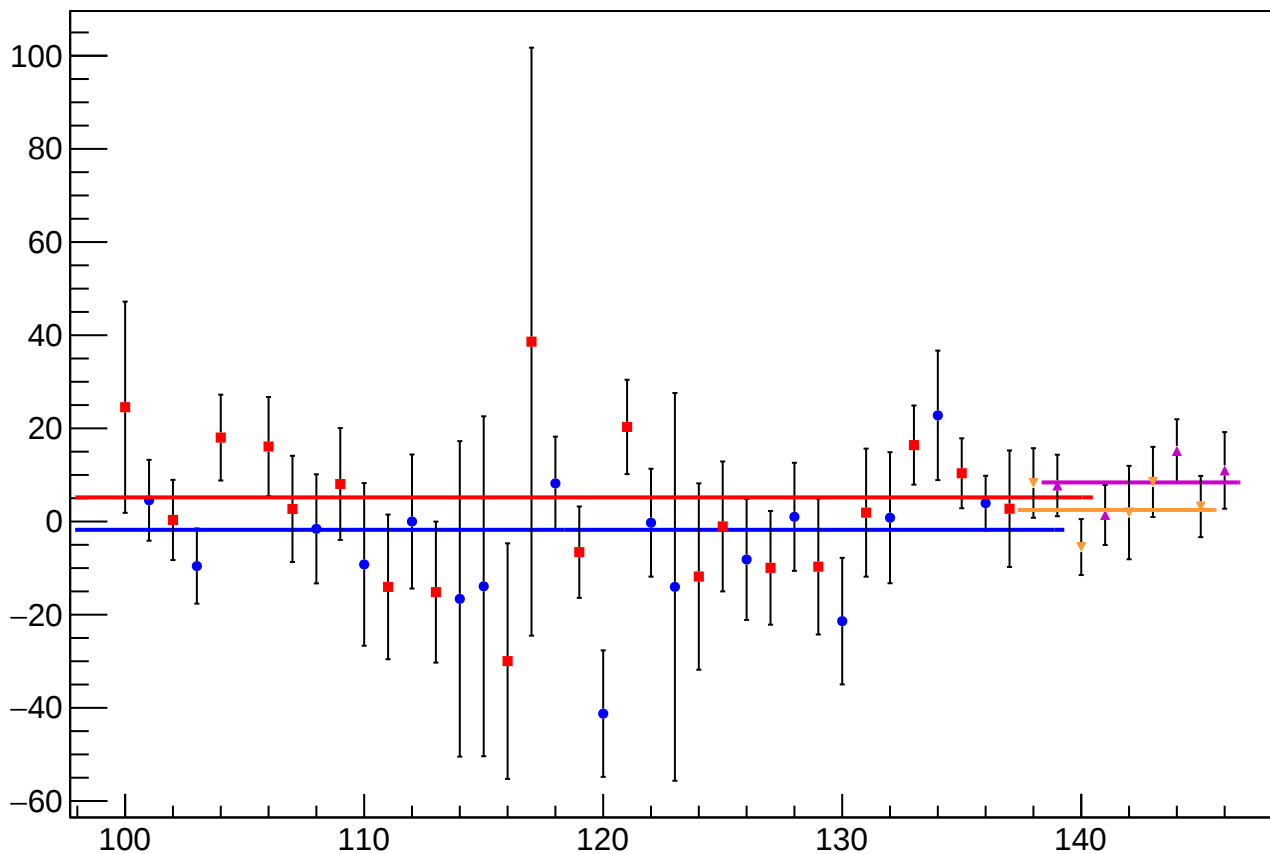
9929.710+/-2.326 χ^2/NDF : 1614543.8/21

Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

10697.950+/-2.443 χ^2/NDF : 1512876.0/23

Left In: 8506.817+/-3.386 χ^2/NDF : 140866.2/3

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 2.484 ± 3.222 $\chi^2/\text{NDF}: 3.0/4$

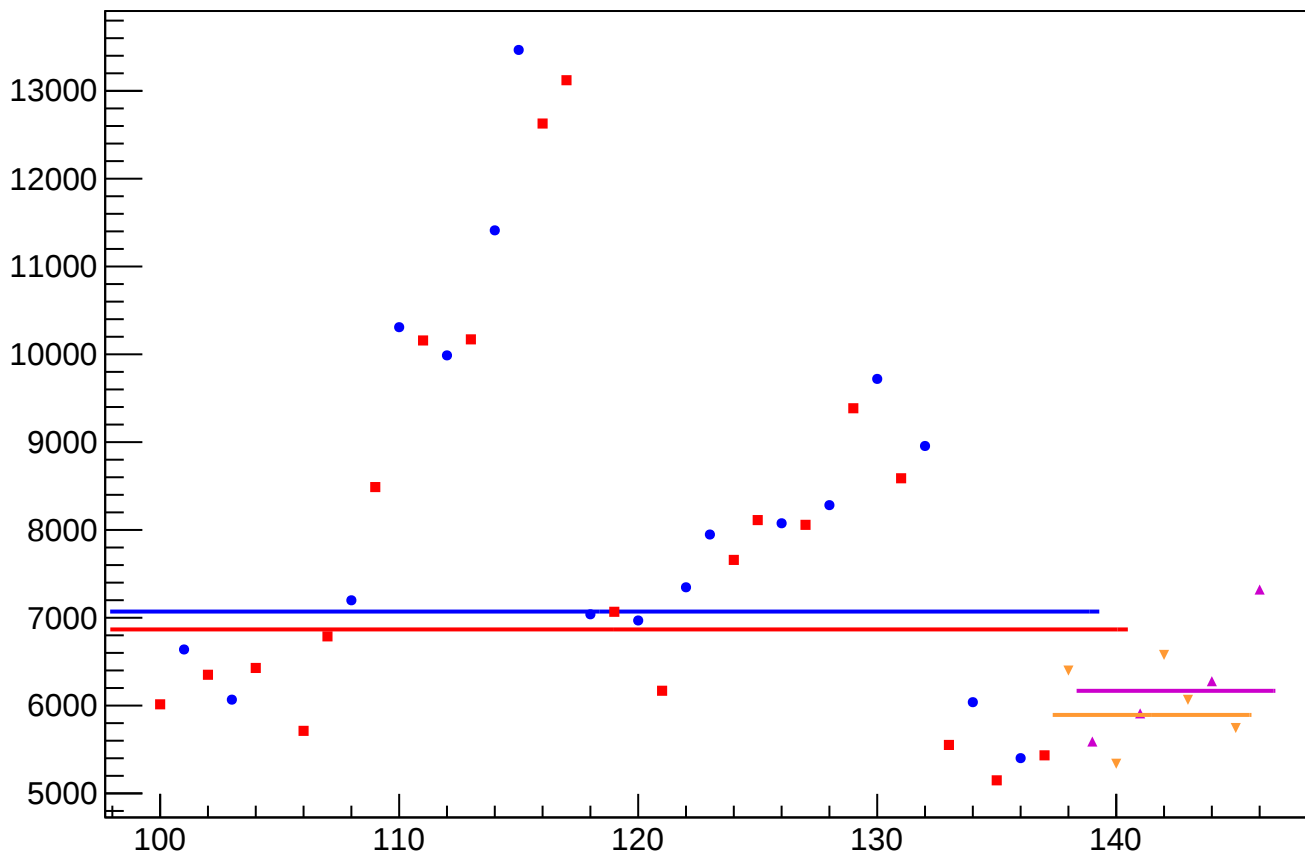
Right Out: 5.181 ± 2.640 $\chi^2/\text{NDF}: 19.2/19$

Left In: 8.396 ± 3.463 $\chi^2/\text{NDF}: 2.3/3$

0.061 ± 2.116 $\chi^2/\text{NDF}: 22.0/21$

6.362 ± 2.099 $\chi^2/\text{NDF}: 22.0/23$

diff_bpm4eY_rms vs Slug



Right In: 7070.672+/-1.984 χ^2/NDF : 601692.5/16

Left Out: 5893.569+/-2.278 χ^2/NDF : 37652.7/4

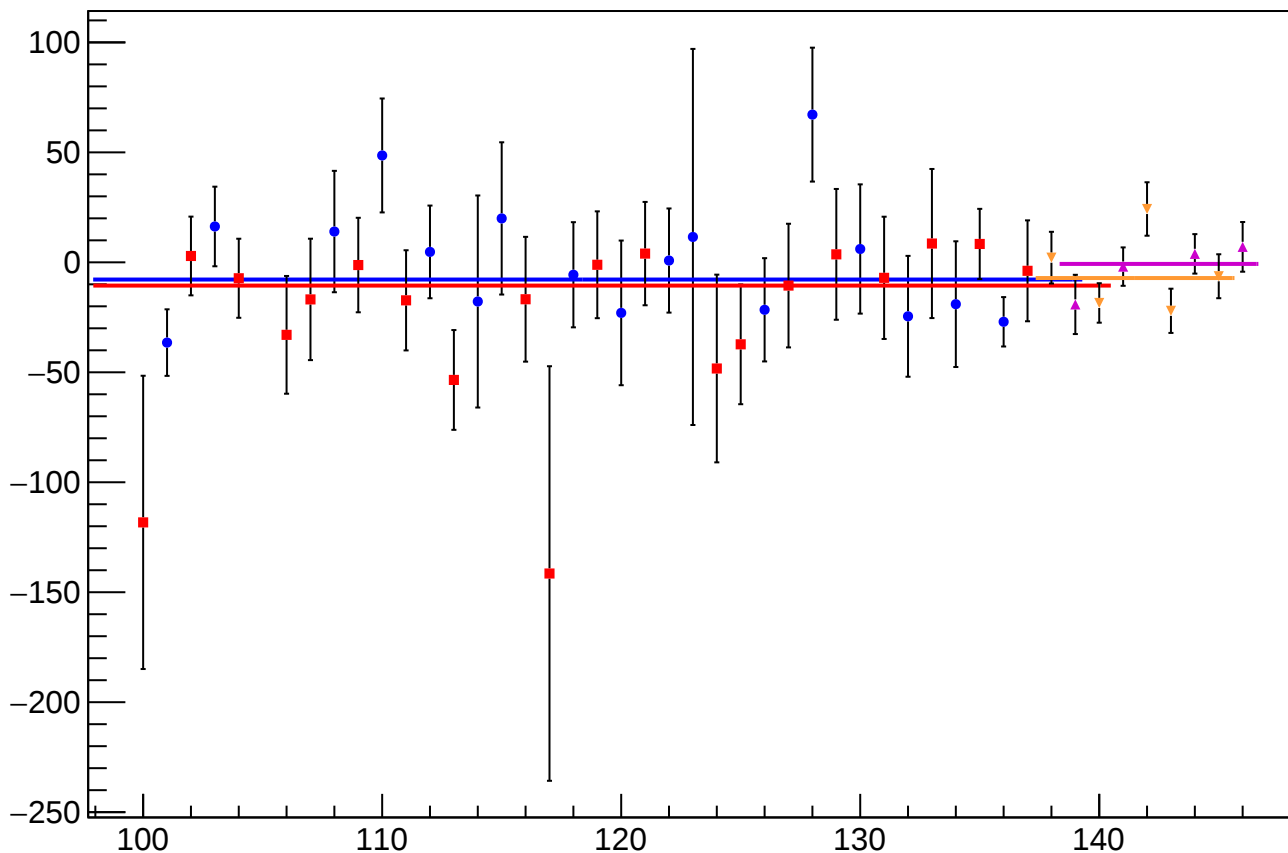
Right Out: 6867.094+/-1.866 χ^2/NDF : 701892.5/19

Left In: 6168.033+/-2.448 χ^2/NDF : 58375.7/3

6562.887+/-1.496 χ^2/NDF : 791172.8/21

6610.169+/-1.484 χ^2/NDF : 811824.9/23

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -7.146 ± 4.645 χ^2/NDF : 11.1/4

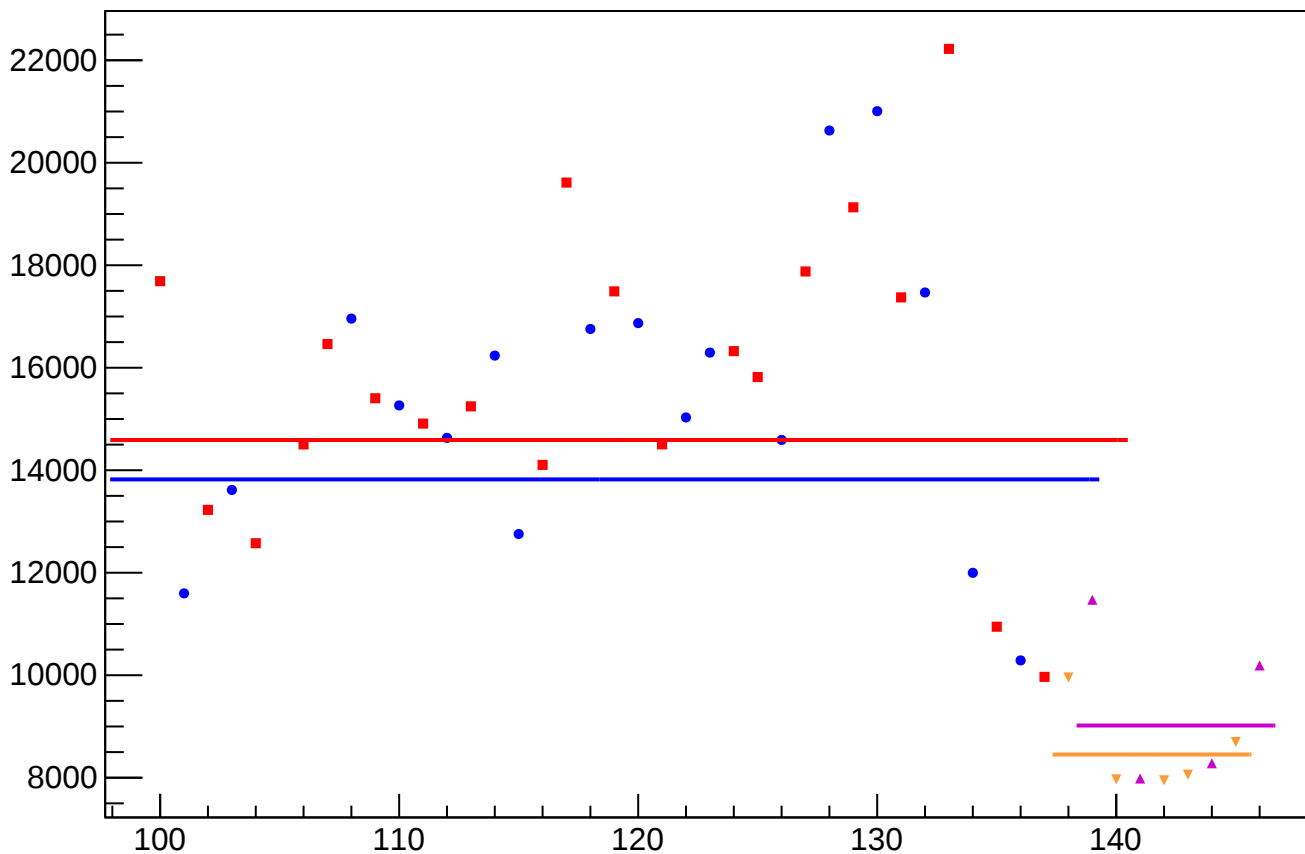
Right Out: -10.574 ± 5.561 χ^2/NDF : 14.1/19

Left In: -0.724 ± 5.072 χ^2/NDF : 2.6/3

-7.428 ± 3.553 χ^2/NDF : 33.4/21

-5.196 ± 3.747 χ^2/NDF : 18.5/23

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 8452.762+/-3.285 χ^2/NDF : 46226.4/4

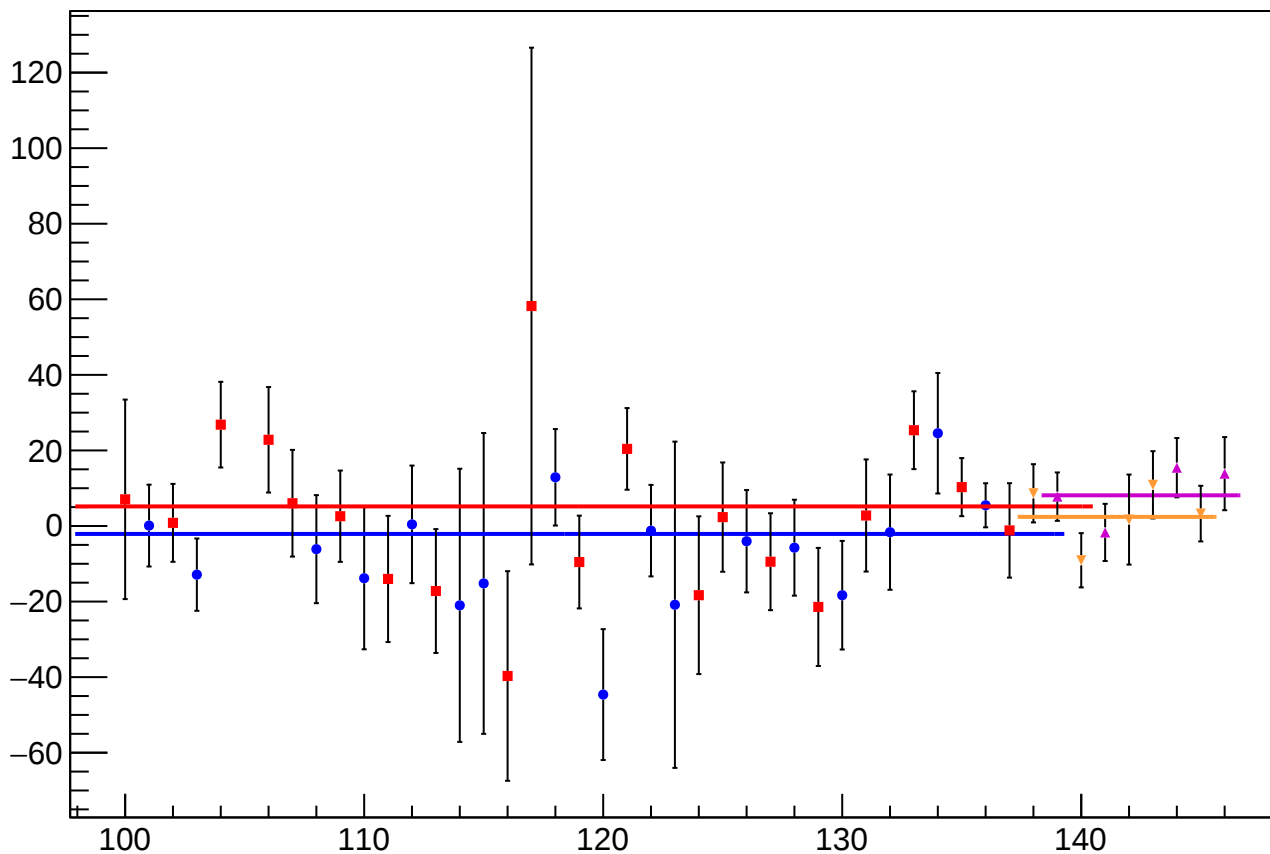
Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

Left In: 9018.858+/-3.586 χ^2/NDF : 129453.7/3

10680.469+/-2.512 χ^2/NDF : 1757301.3/21

11548.277+/-2.650 χ^2/NDF : 1703379.6/23

diff_bpm4acY_mean vs Slug



Right In: -2.098 $\pm$ 3.106 χ^2 /NDF: 15.6/16

Left Out: 2.419 $\pm$ 3.668 χ^2 /NDF: 4.1/4

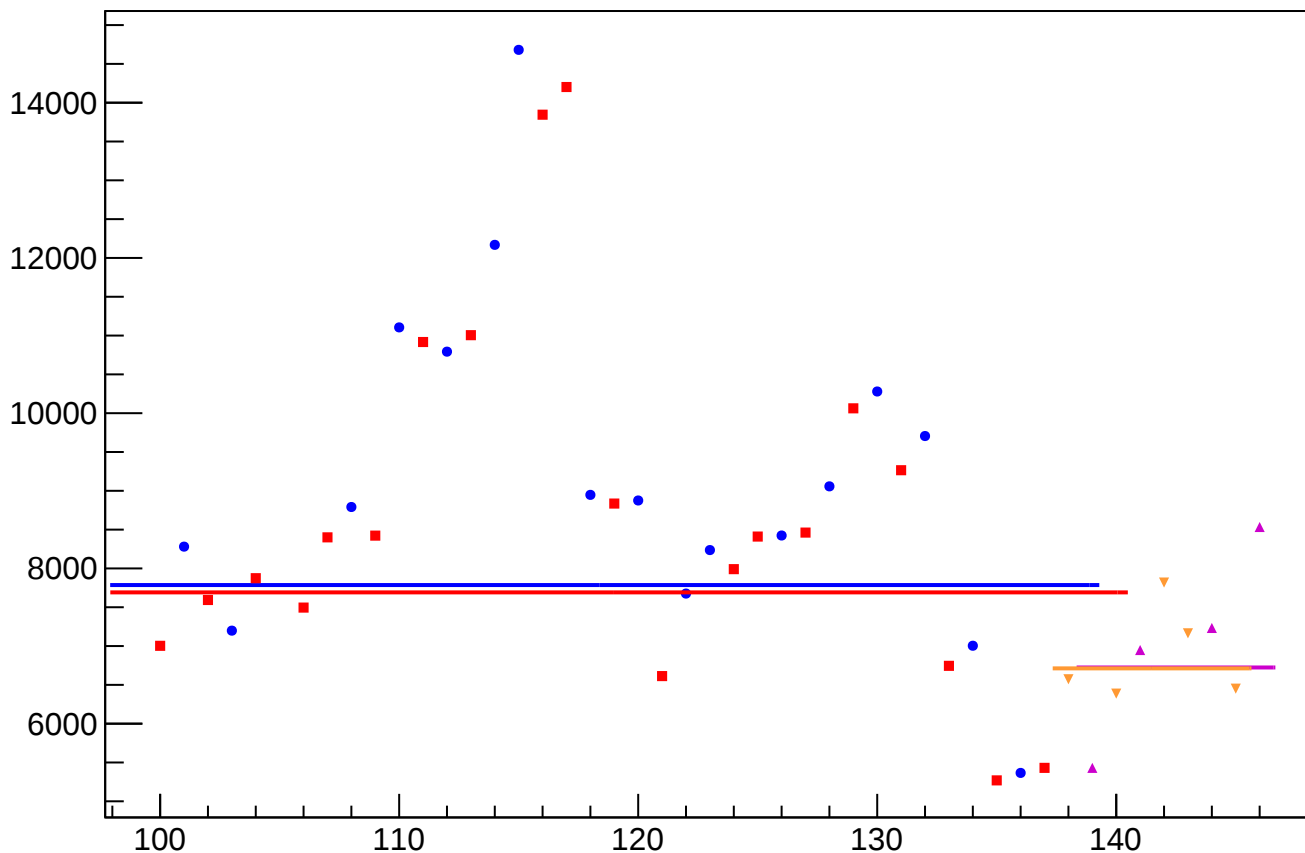
Right Out: 5.184 $\pm$ 2.959 χ^2 /NDF: 25.4/19

Left In: 8.121 $\pm$ 3.814 χ^2 /NDF: 2.9/3

-0.211 $\pm$ 2.370 χ^2 /NDF: 20.7/21

6.288 $\pm$ 2.338 χ^2 /NDF: 28.6/23

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 6712.399+/-2.593 χ^2/NDF : 29657.3/4

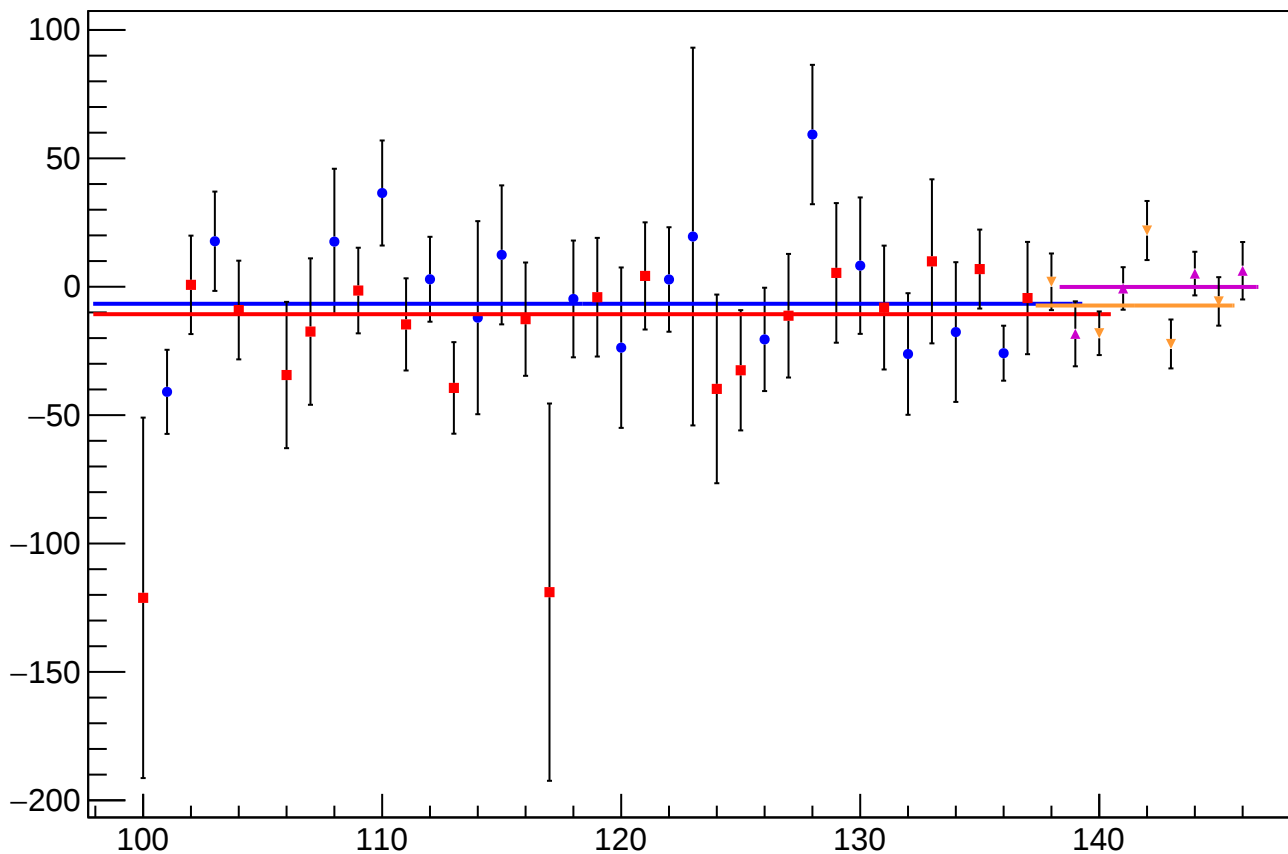
Right Out: 7691.398+/-2.093 χ^2/NDF : 686898.9/19

Left In: 6723.936+/-2.697 χ^2/NDF : 161649.2/3

7337.472+/-1.676 χ^2/NDF : 867536.6/21

7327.766+/-1.653 χ^2/NDF : 928884.1/23

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -7.312 ± 4.391 χ^2/NDF : 11.3/4

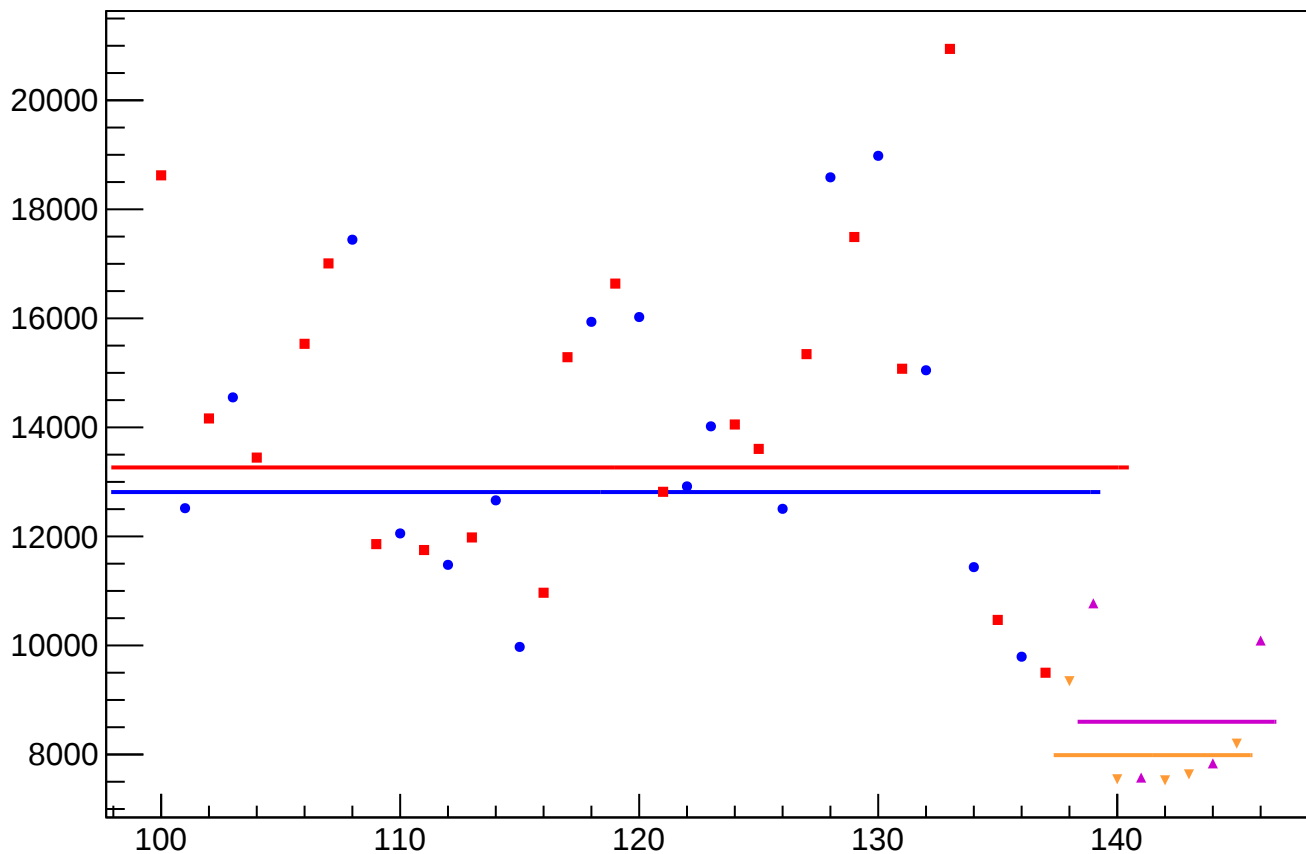
Right Out: -10.688 ± 5.063 χ^2/NDF : 13.0/19

Left In: -0.078 ± 4.840 χ^2/NDF : 2.8/3

-7.024 ± 3.328 χ^2/NDF : 34.7/21

-5.145 ± 3.499 χ^2/NDF : 18.0/23

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 7987.921+/-3.105 χ^2/NDF : 42656.3/4

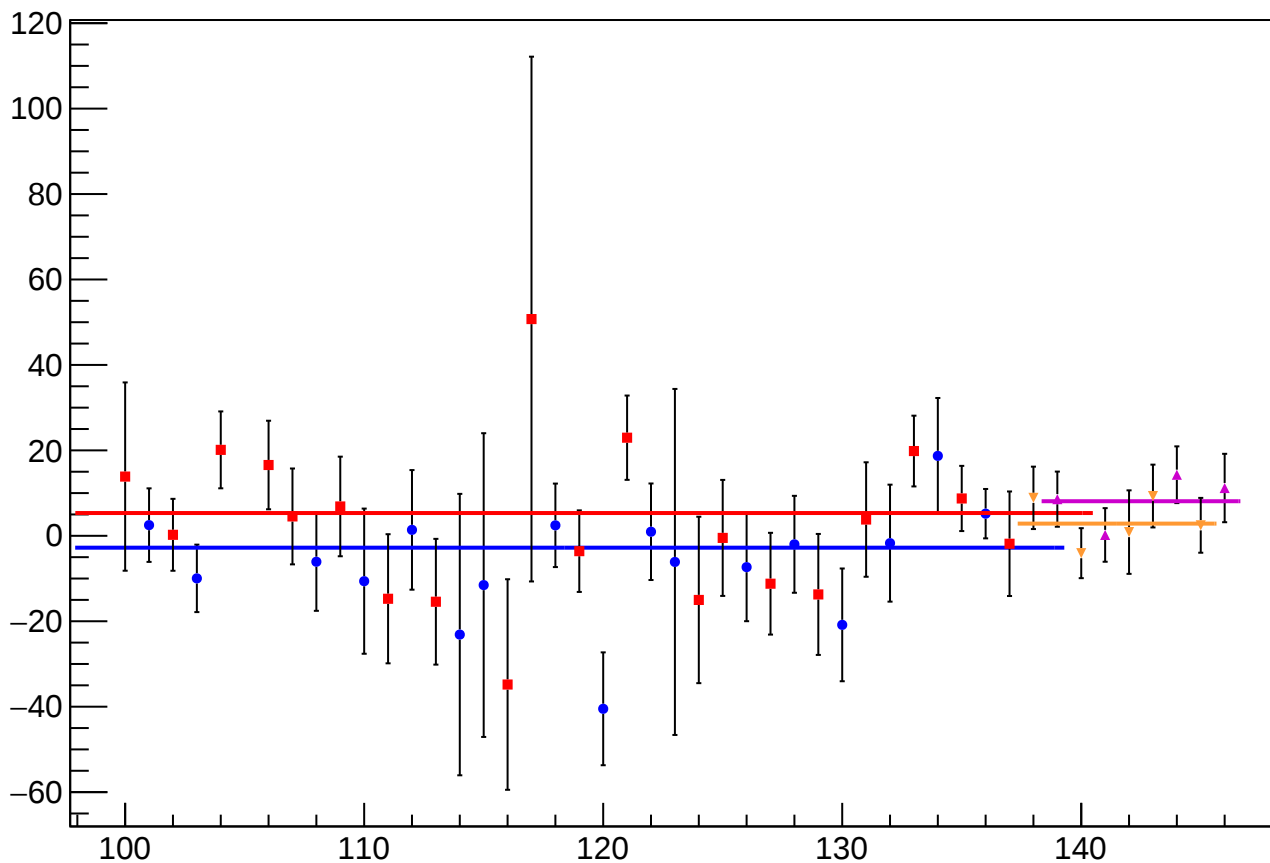
Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

Left In: 8600.074+/-3.423 χ^2/NDF : 141206.8/3

10041.700+/-2.353 χ^2/NDF : 1618871.3/21

10827.996+/-2.474 χ^2/NDF : 1514200.8/23

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 2.855 ± 3.143 χ^2/NDF : 2.9/4

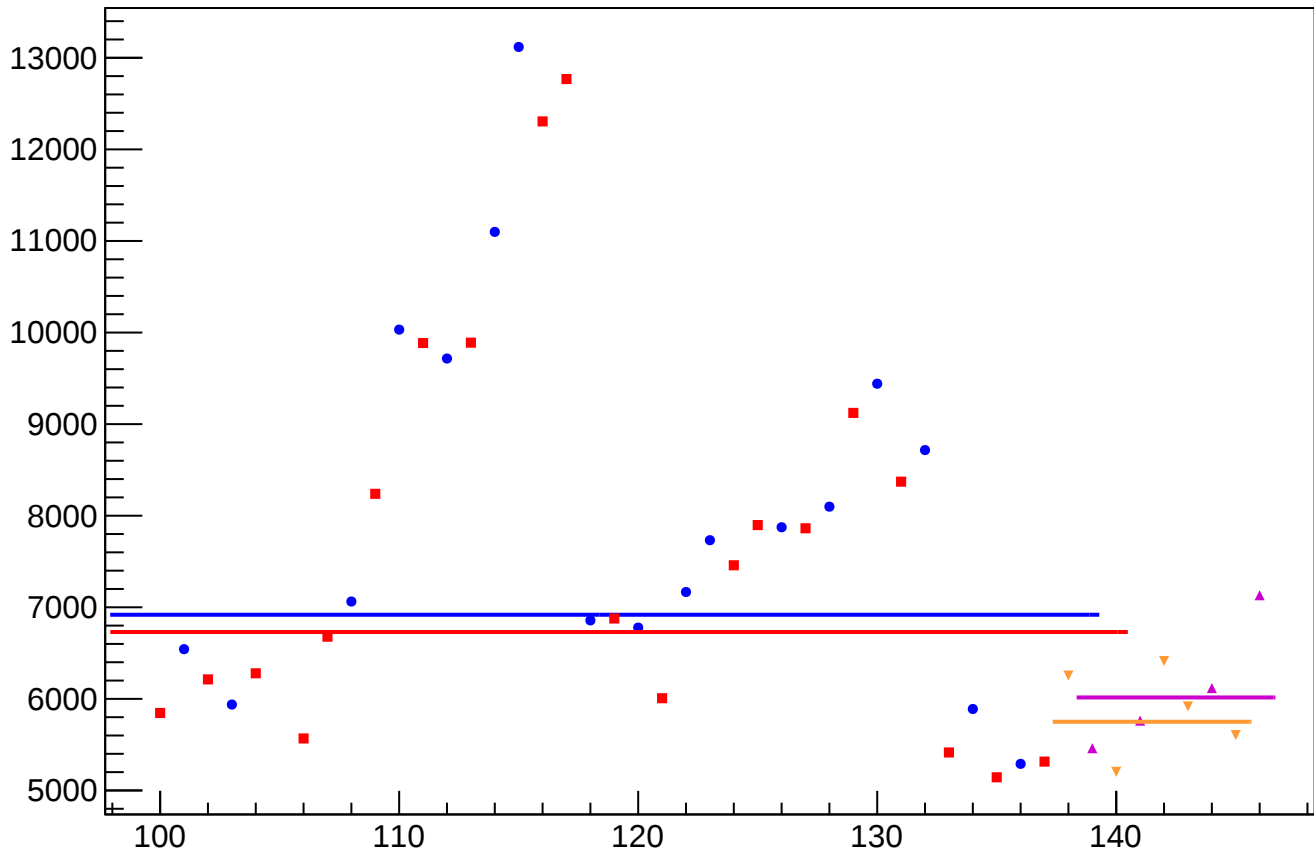
Right Out: 5.332 ± 2.587 χ^2/NDF : 24.1/19

Left In: 8.096 ± 3.377 χ^2/NDF : 2.6/3

-0.339 ± 2.068 χ^2/NDF : 21.7/21

6.355 ± 2.054 χ^2/NDF : 27.1/23

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 5749.981+/-2.223 χ^2/NDF : 38279.3/4

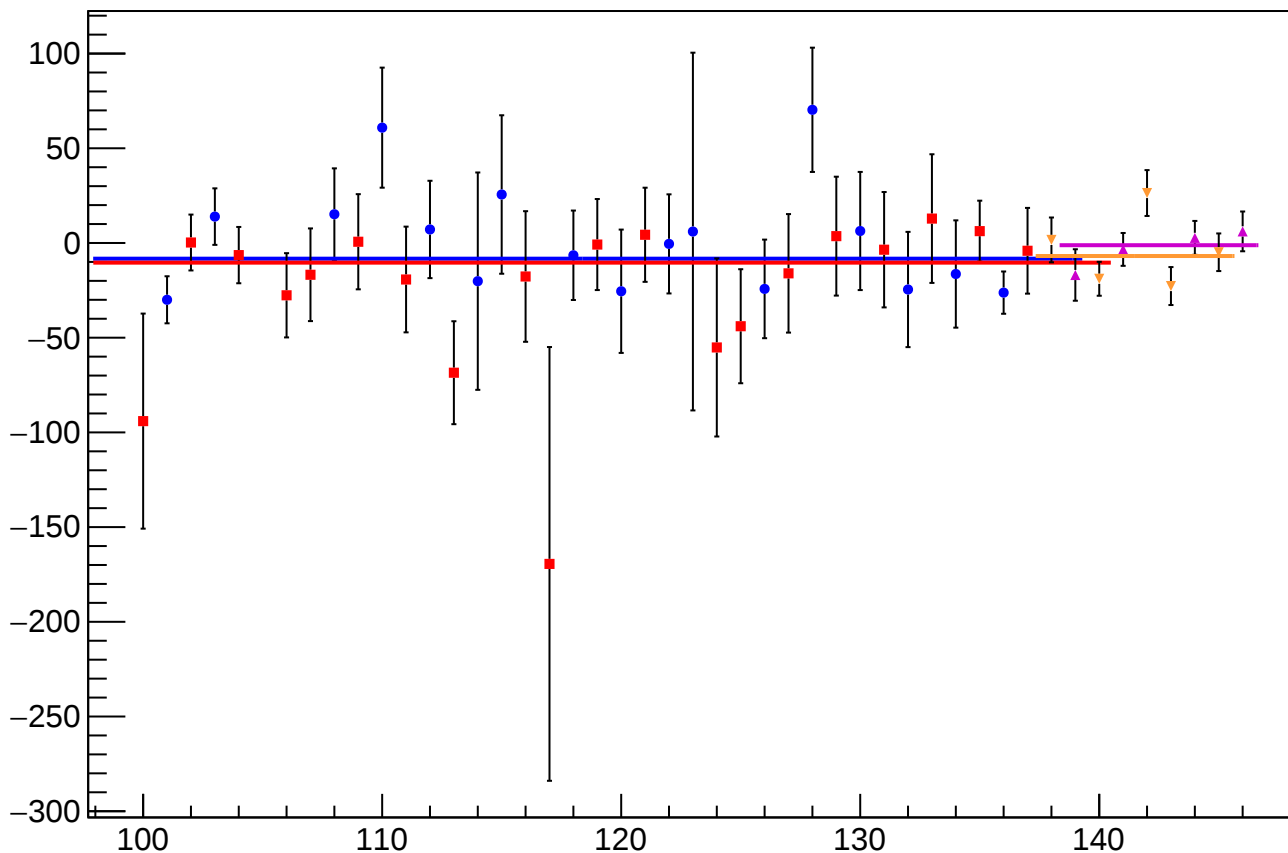
6412.478+/-1.463 χ^2/NDF : 782982.1/21

Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

6465.800+/-1.452 χ^2/NDF : 786987.5/23

Left In: 6015.524+/-2.388 χ^2/NDF : 57358.4/3

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -6.883 ± 4.635 χ^2/NDF : 12.4/4

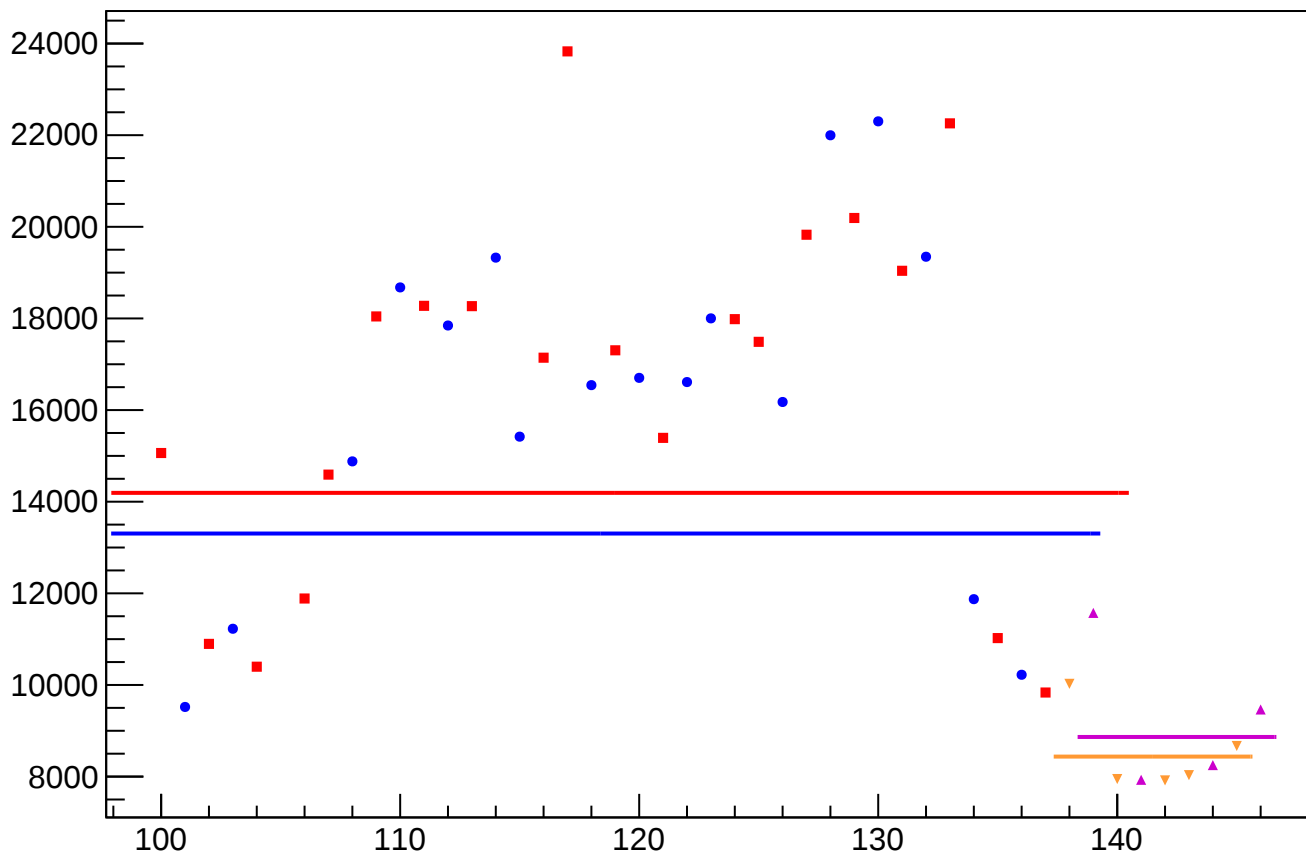
Right Out: -10.376 ± 5.507 χ^2/NDF : 14.8/19

Left In: -1.173 ± 4.982 χ^2/NDF : 2.1/3

-7.477 ± 3.520 χ^2/NDF : 34.2/21

-5.315 ± 3.694 χ^2/NDF : 18.4/23

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8436.623+/-3.278 χ^2/NDF : 50067.5/4

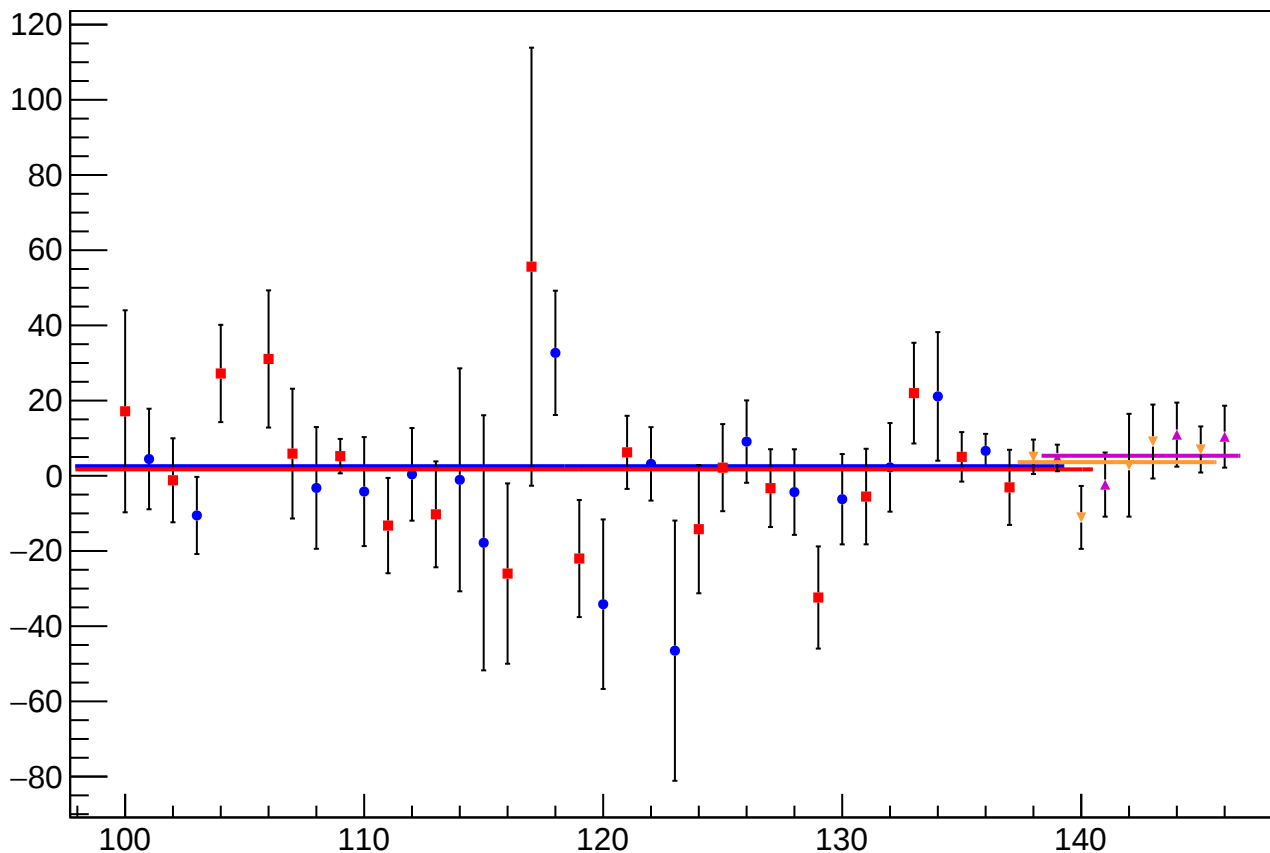
Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

Left In: 8865.132+/-3.523 χ^2/NDF : 118630.4/3

10497.780+/-2.489 χ^2/NDF : 2028217.1/21

11263.117+/-2.612 χ^2/NDF : 2092996.6/23

diff_bpm1Y_mean vs Slug



Right In: 2.551+/-2.757 χ^2/NDF : 13.6/16

Left Out: 3.628+/-3.097 χ^2/NDF : 3.8/4

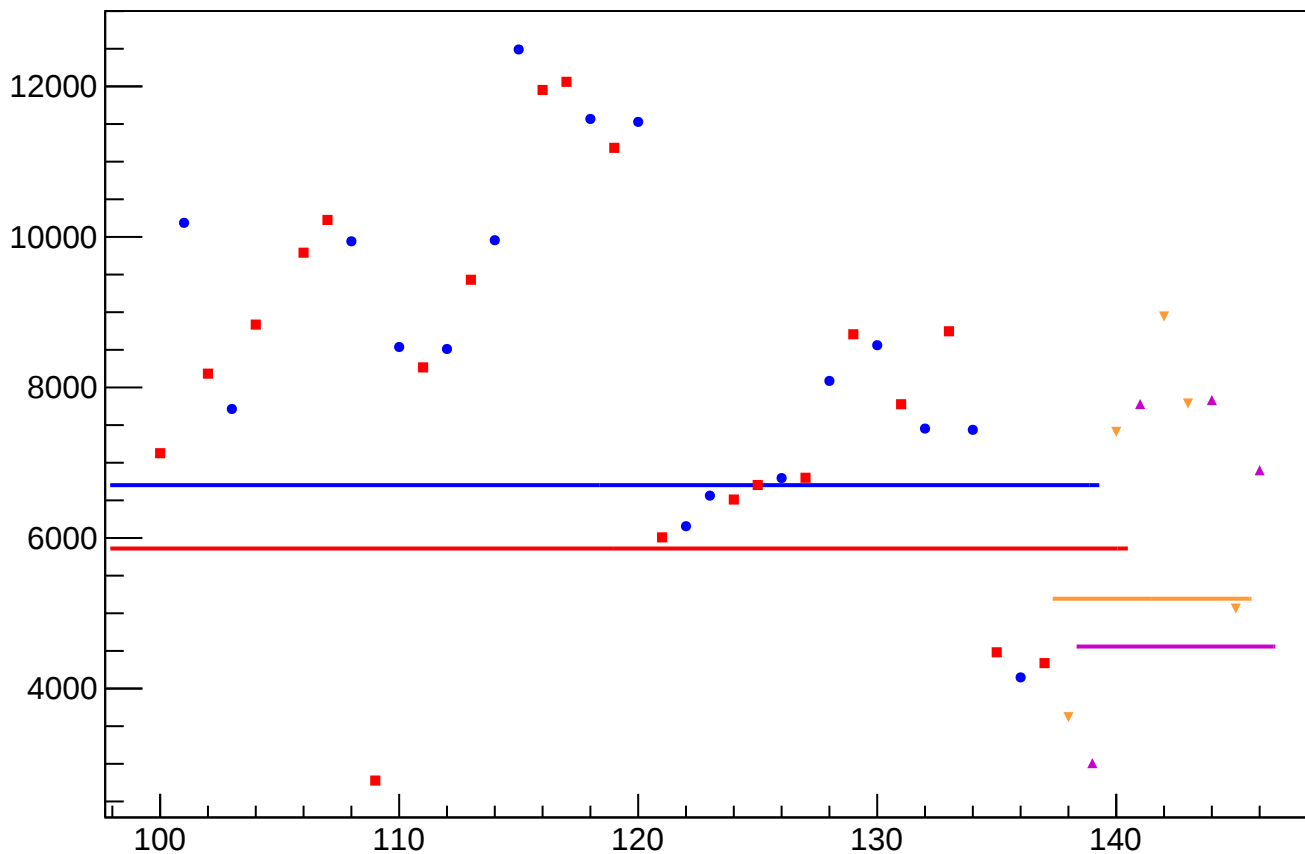
Right Out: 1.708+/-2.440 χ^2/NDF : 24.9/19

Left In: 5.327+/-2.859 χ^2/NDF : 1.7/3

3.027+/-2.059 χ^2/NDF : 17.5/21

3.233+/-1.856 χ^2/NDF : 27.4/23

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5193.643+/-2.190 χ^2/NDF : 667210.5/4

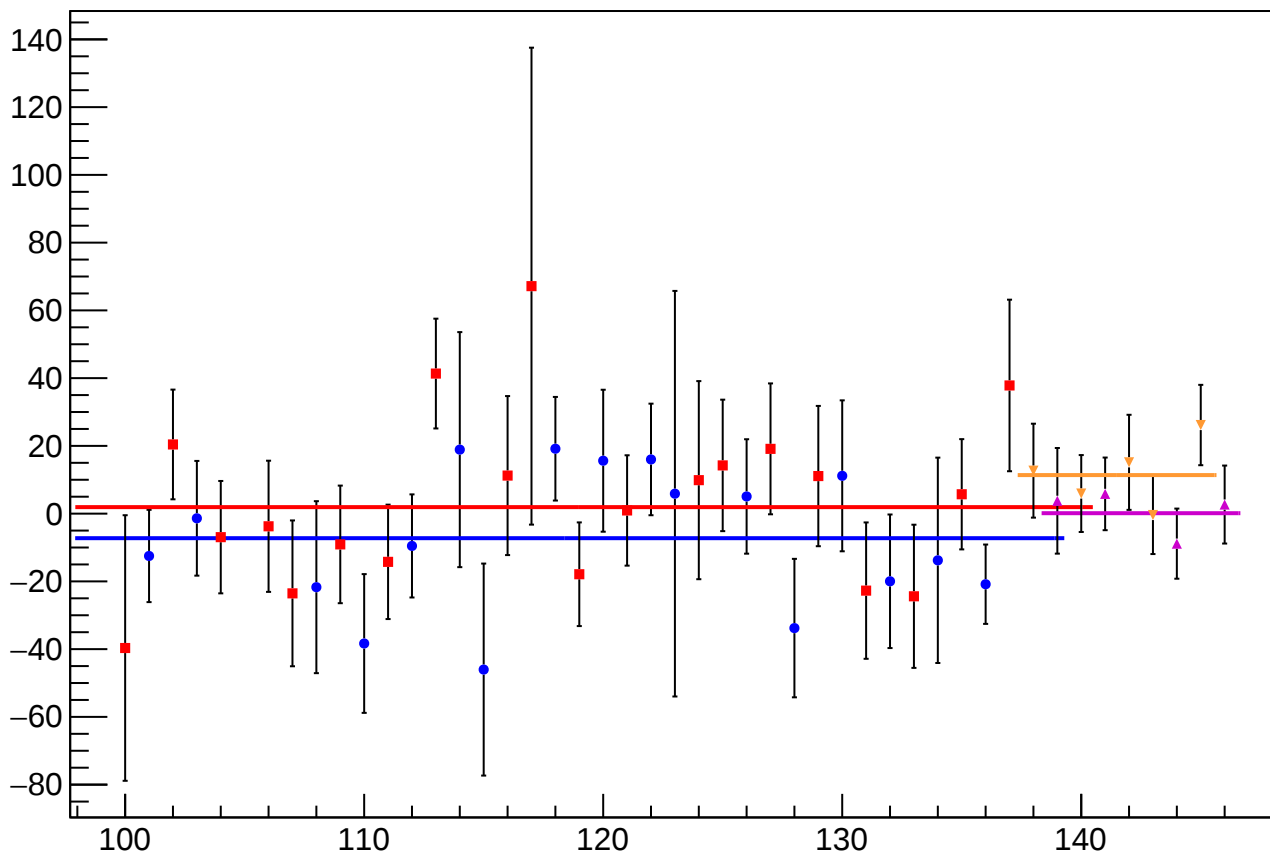
Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

Left In: 4558.183+/-2.022 χ^2/NDF : 1127291.1/3

6035.227+/-1.456 χ^2/NDF : 2321976.8/21

5311.631+/-1.312 χ^2/NDF : 3668549.3/23

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 11.381 ± 5.532 $\chi^2/\text{NDF}: 2.9/4$

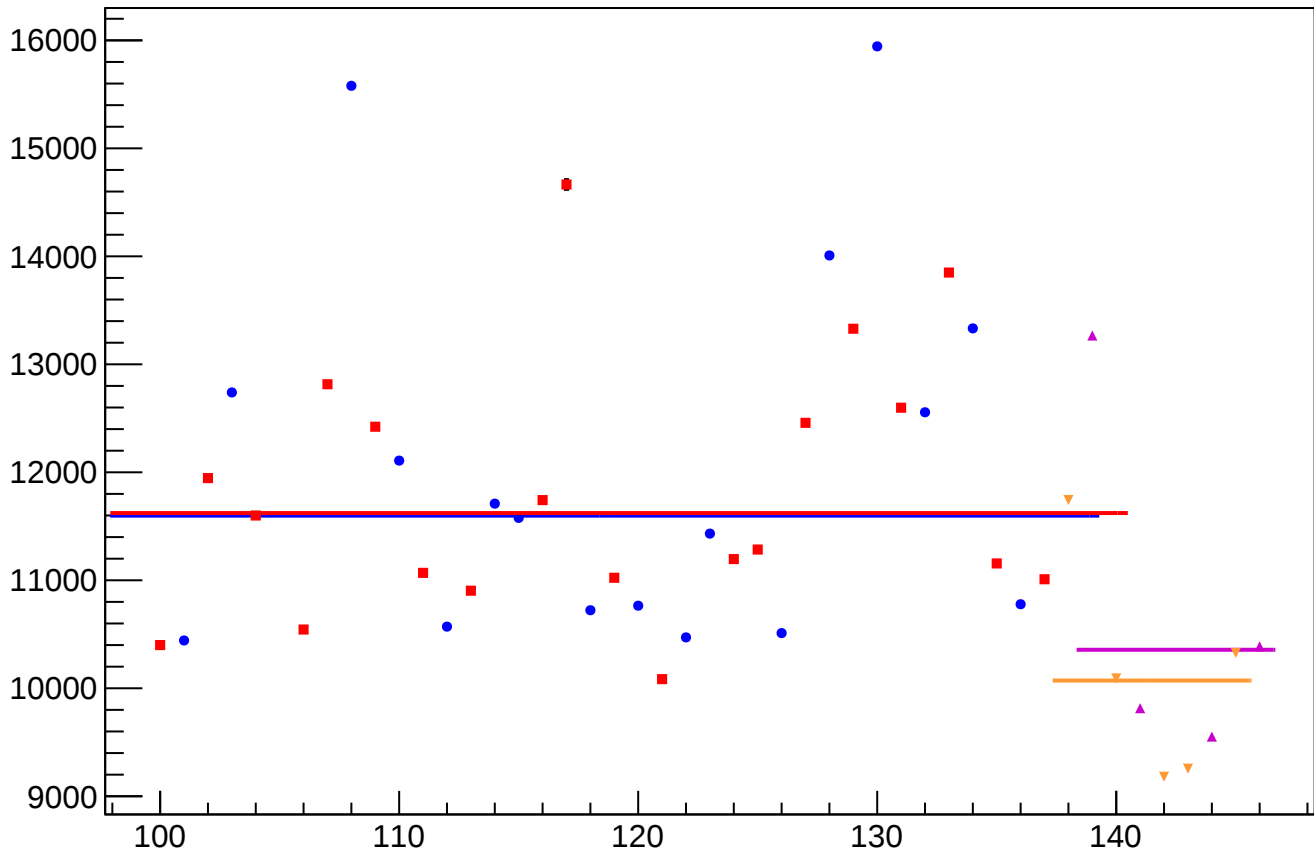
Right Out: 1.922 ± 4.365 $\chi^2/\text{NDF}: 20.7/19$

Left In: 0.130 ± 5.803 $\chi^2/\text{NDF}: 1.1/3$

0.265 ± 3.513 $\chi^2/\text{NDF}: 25.6/21$

1.275 ± 3.488 $\chi^2/\text{NDF}: 21.9/23$

diff_bpm11X_rms vs Slug



Right In: 11598.751 ± 3.215 χ^2/NDF : 235423.8/16

Left Out: 10071.635 ± 3.912 χ^2/NDF : 48091.8/4

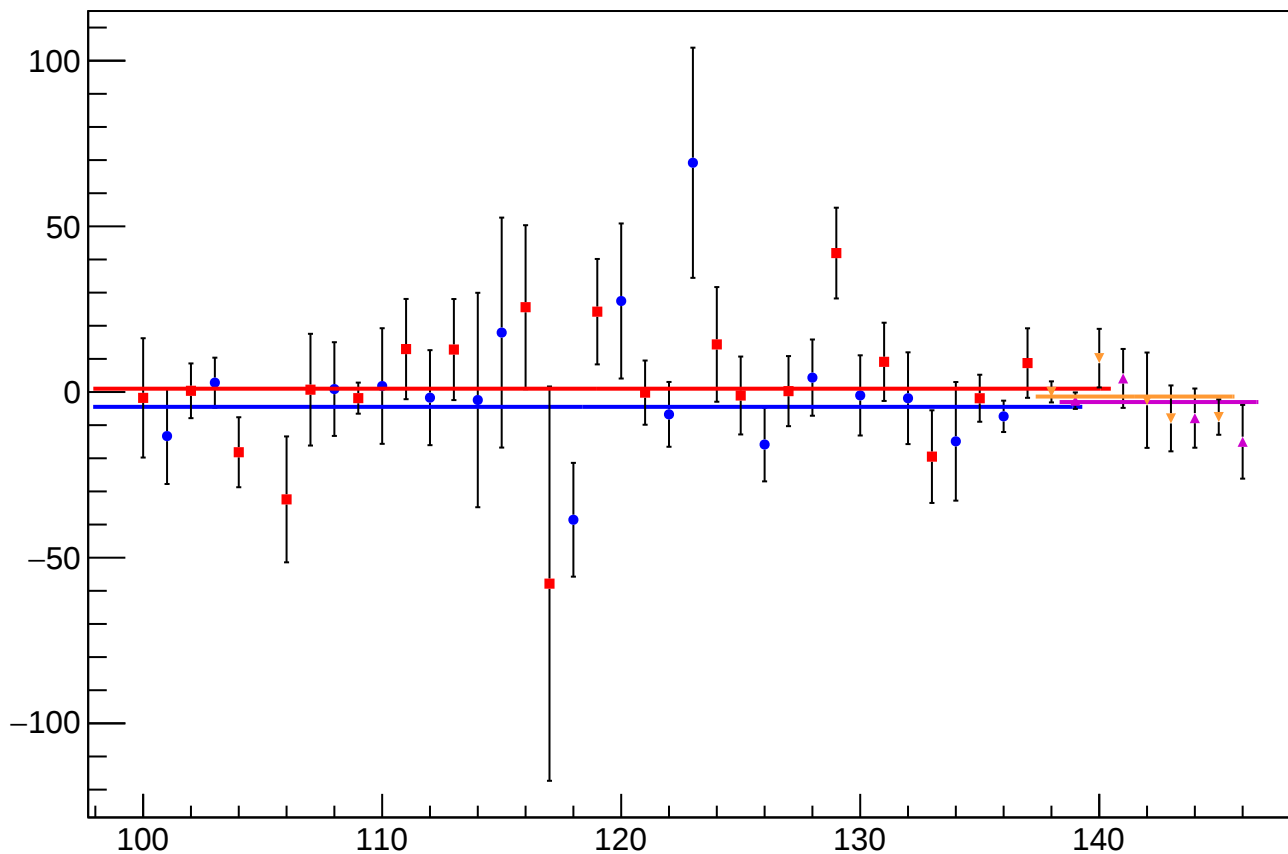
Right Out: 11622.681 ± 3.086 χ^2/NDF : 98197.0/19

Left In: 10356.470 ± 4.103 χ^2/NDF : 86851.6/3

10983.037 ± 2.484 χ^2/NDF : 374474.5/21

11165.200 ± 2.466 χ^2/NDF : 245864.8/23

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -1.366 ± 2.487 χ^2/NDF : 3.7/4

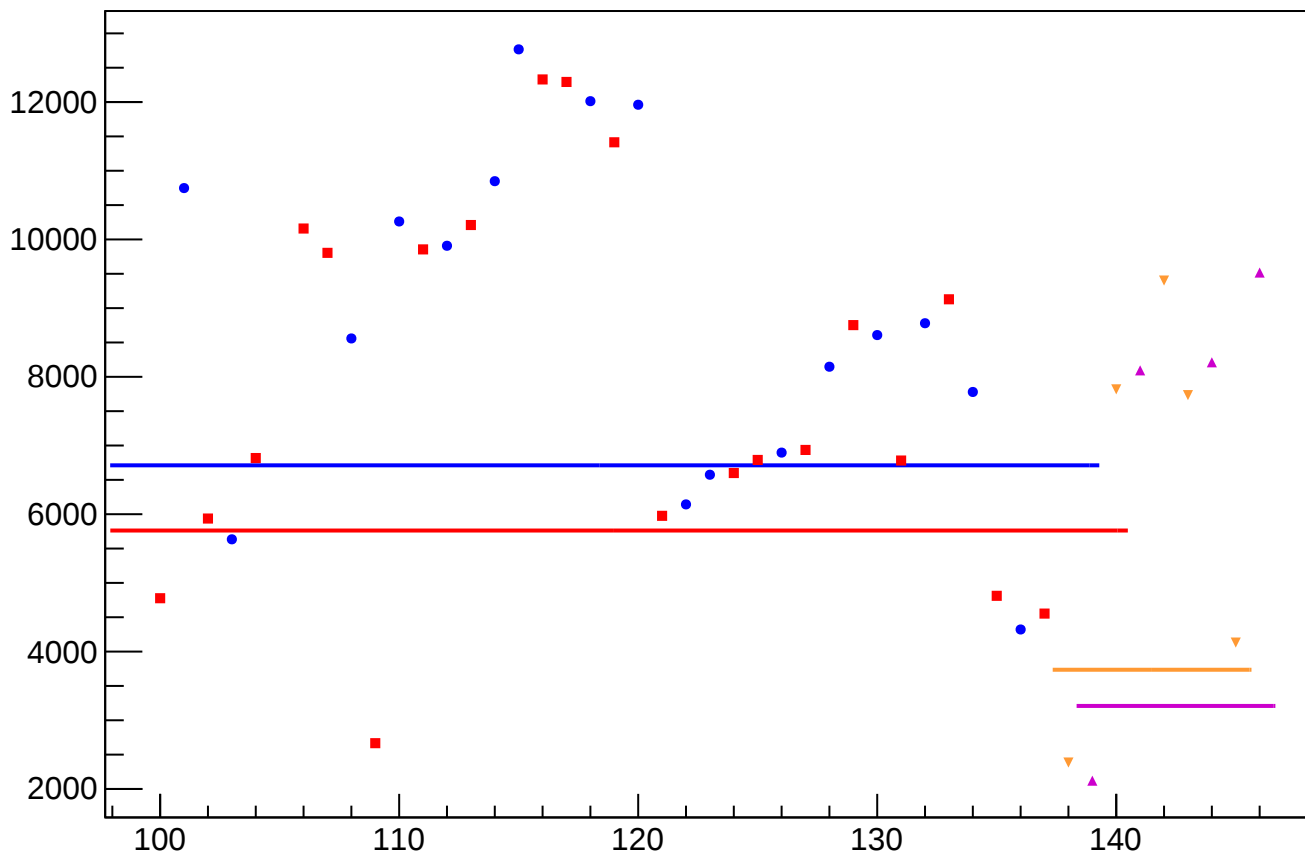
Right Out: 1.007 ± 2.427 χ^2/NDF : 25.0/19

Left In: -3.025 ± 2.268 χ^2/NDF : 2.1/3

-2.747 ± 1.854 χ^2/NDF : 19.2/21

-1.145 ± 1.657 χ^2/NDF : 28.6/23

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 3735.564+/-1.759 χ^2/NDF : 1431780.0/4

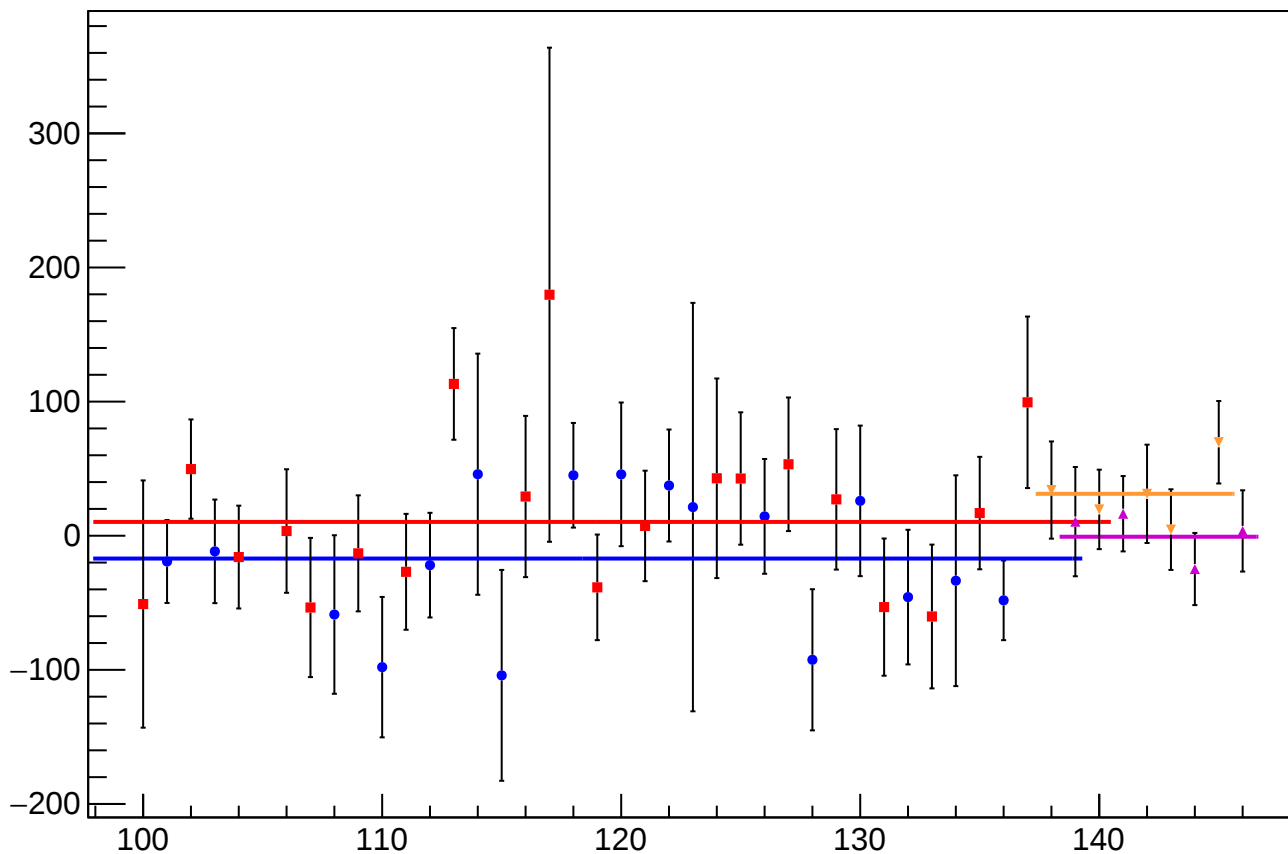
Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

Left In: 3208.771+/-1.604 χ^2/NDF : 2254752.2/3

5057.715+/-1.311 χ^2/NDF : 4150891.0/21

4399.250+/-1.172 χ^2/NDF : 5625958.6/23

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 31.261 ± 14.419 χ^2/NDF : 2.5/4

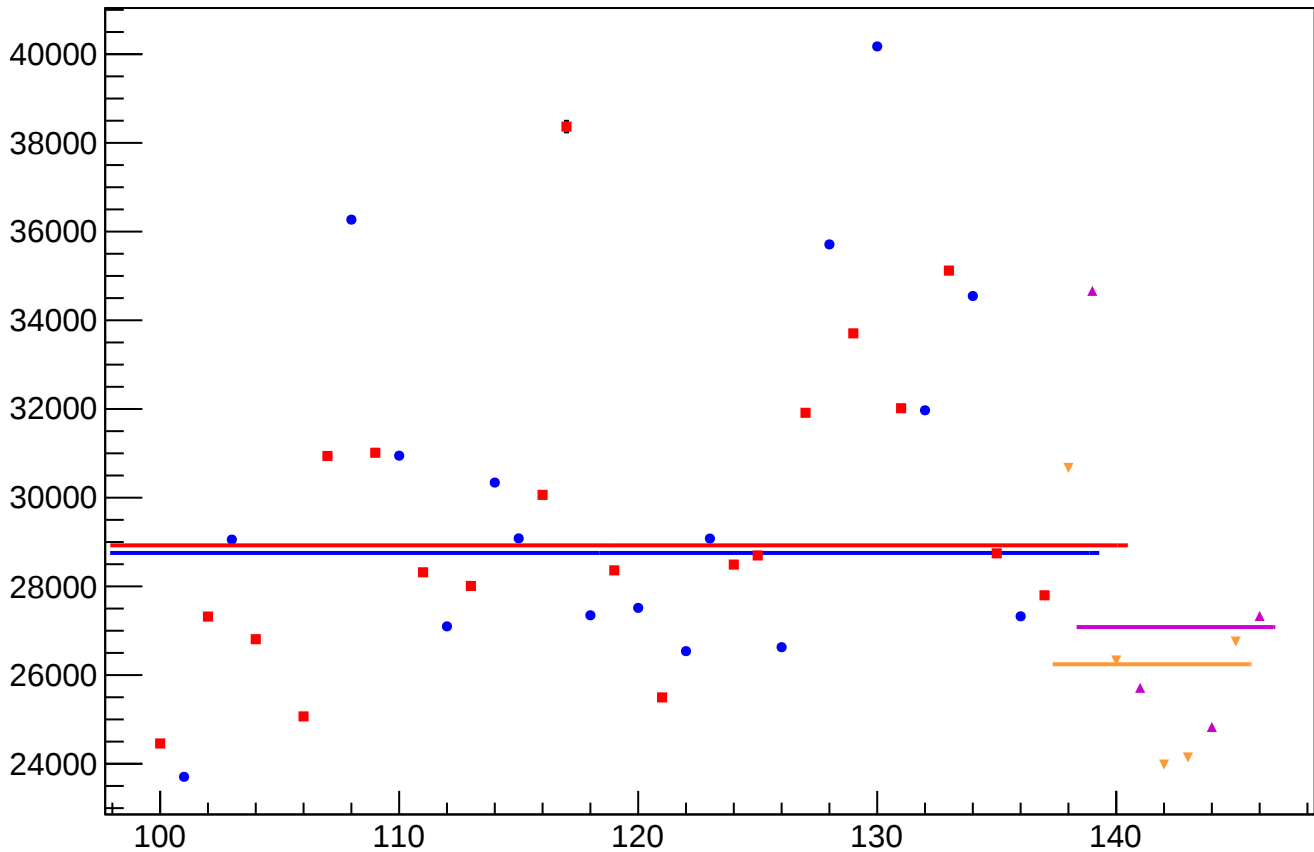
Right Out: 10.311 ± 10.872 χ^2/NDF : 19.9/19

Left In: -0.746 ± 15.178 χ^2/NDF : 1.3/3

1.330 ± 8.888 χ^2/NDF : 24.4/21

6.562 ± 8.838 χ^2/NDF : 21.5/23

diff_bpm12X_rms vs Slug



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 26244.208+/-10.196 χ^2/NDF : 47825.7/4

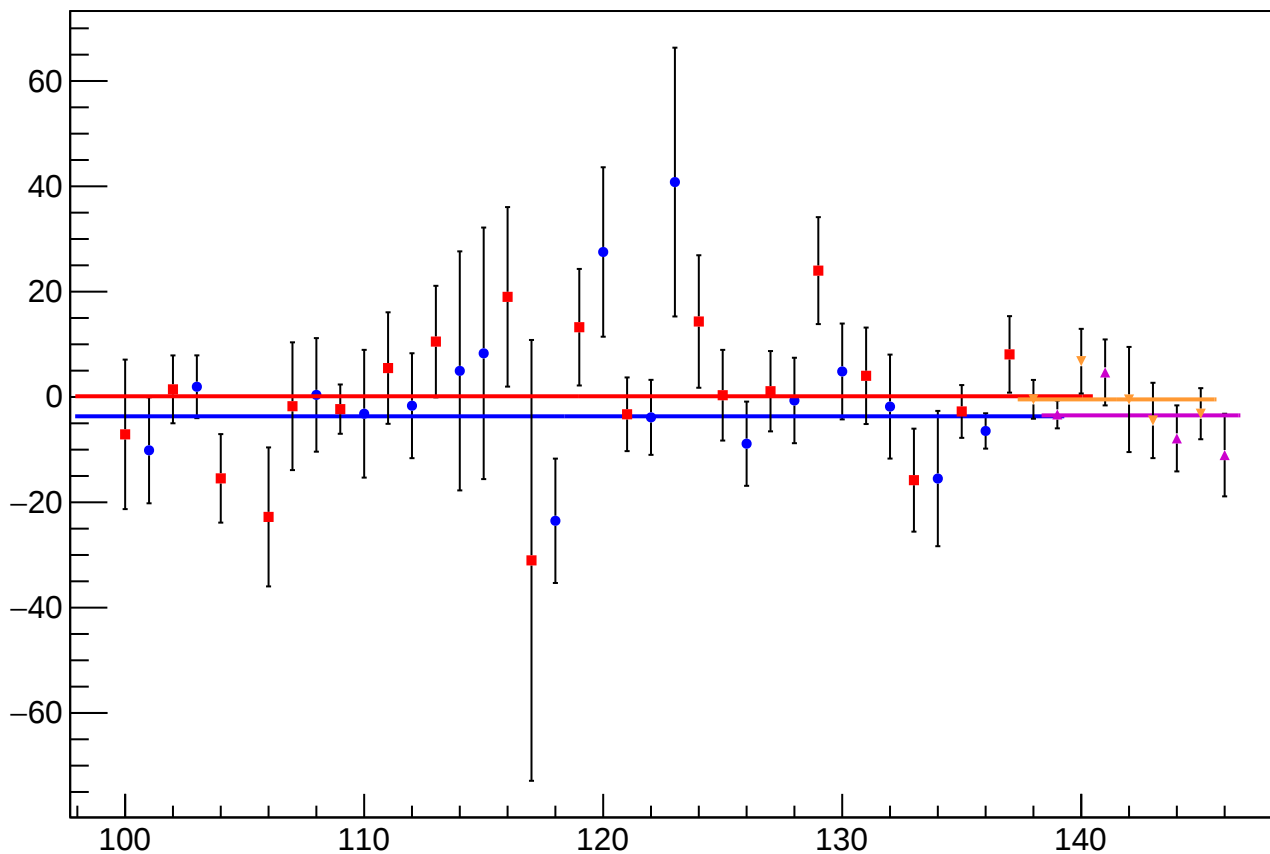
Right Out: 28925.160+/-7.687 χ^2/NDF : 116514.7/19

Left In: 27082.484+/-10.732 χ^2/NDF : 88205.9/3

27800.299+/-6.285 χ^2/NDF : 334605.6/21

28300.333+/-6.250 χ^2/NDF : 224203.0/23

diff_bpm12Y_mean vs Slug



Right In: -3.668+/-2.010 χ^2/NDF : 14.5/16

Left Out: -0.459+/-2.409 χ^2/NDF : 2.0/4

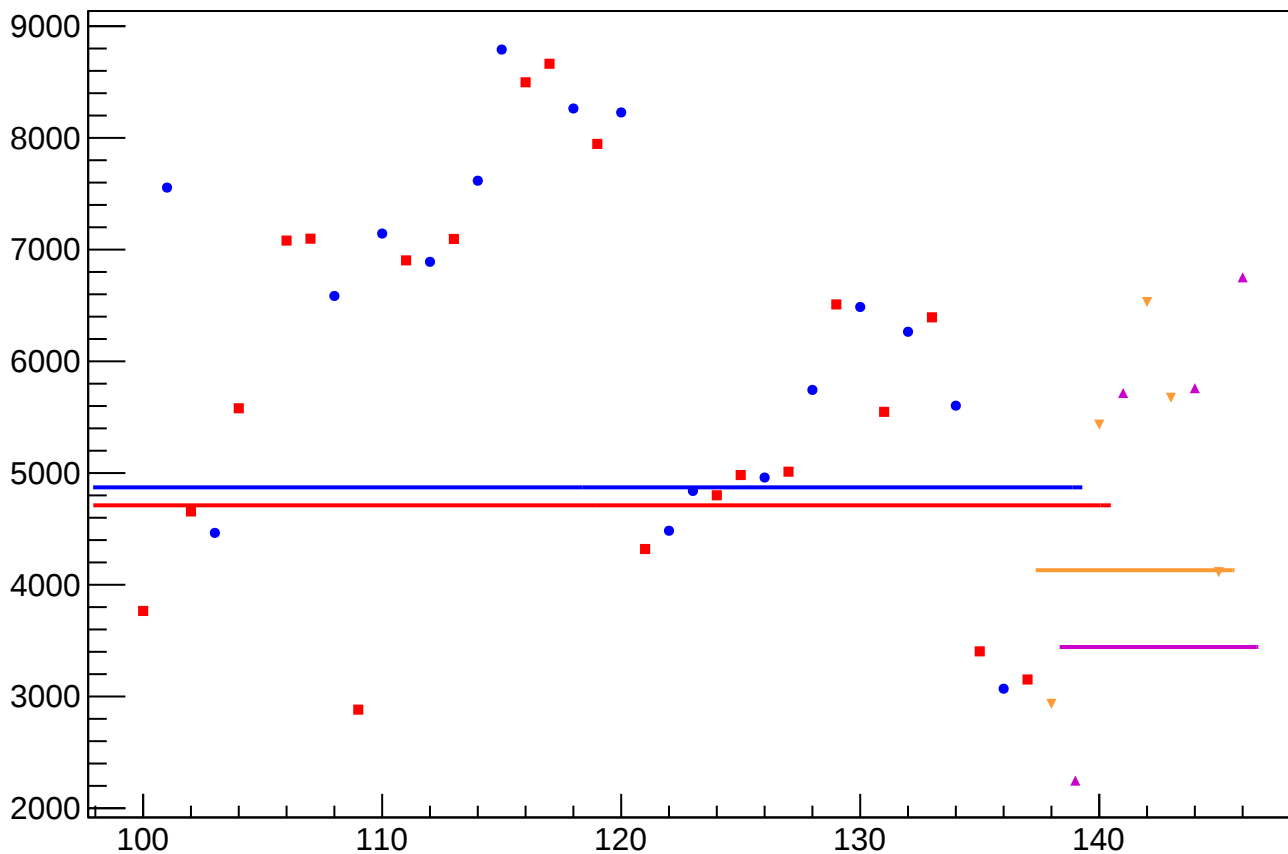
Right Out: 0.135+/-1.891 χ^2/NDF : 22.9/19

Left In: -3.491+/-2.182 χ^2/NDF : 3.1/3

-2.351+/-1.543 χ^2/NDF : 17.6/21

-1.420+/-1.429 χ^2/NDF : 27.6/23

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2 /NDF: 1405253.2/16

Left Out: 4130.440+/-1.703 χ^2 /NDF: 509855.0/4

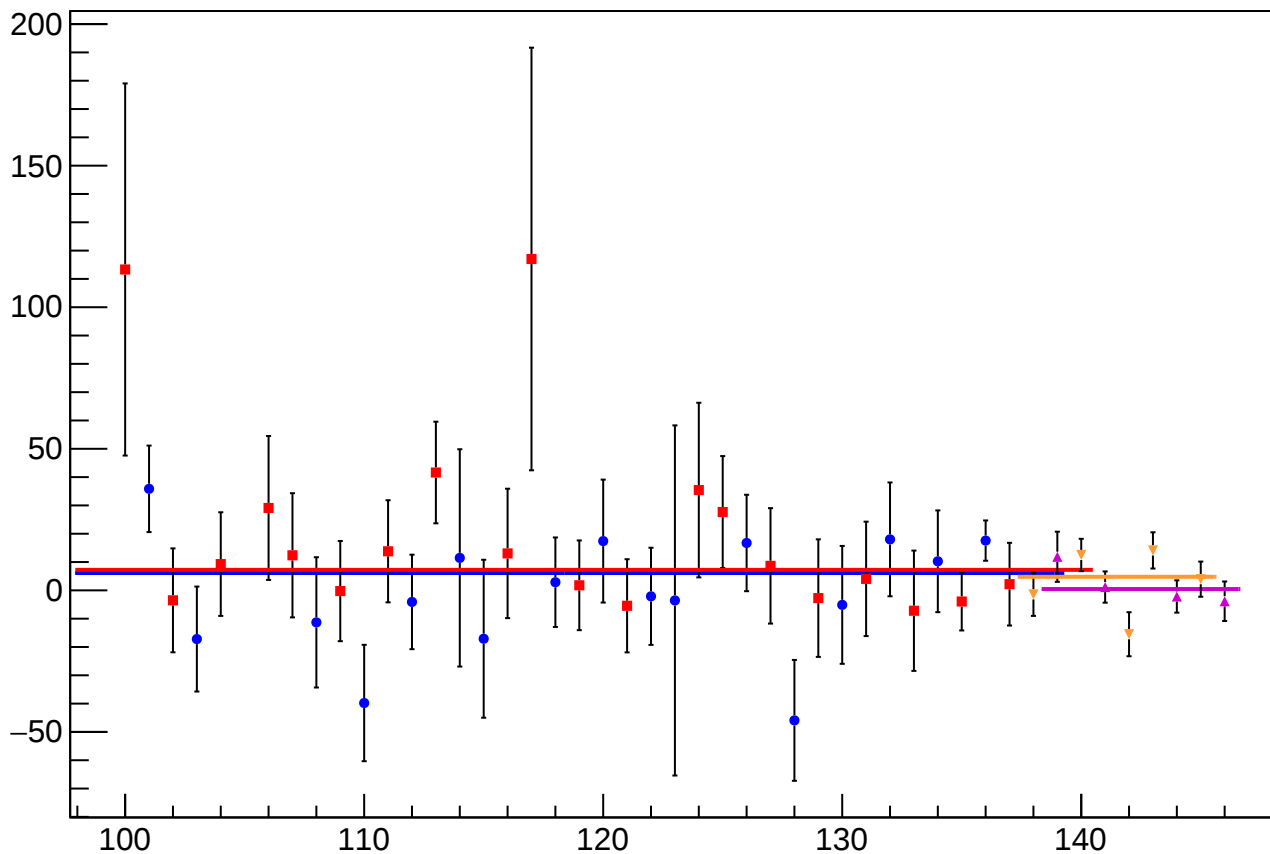
Right Out: 4711.077+/-1.337 χ^2 /NDF: 1330595.4/19

Left In: 3442.899+/-1.543 χ^2 /NDF: 1301101.2/3

4567.753+/-1.091 χ^2 /NDF: 2026877.6/21

4167.270+/-1.010 χ^2 /NDF: 3017521.2/23

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 $\chi^2/\text{NDF}: 22.2/16$

Left Out: 4.786 ± 2.952 $\chi^2/\text{NDF}: 11.4/4$

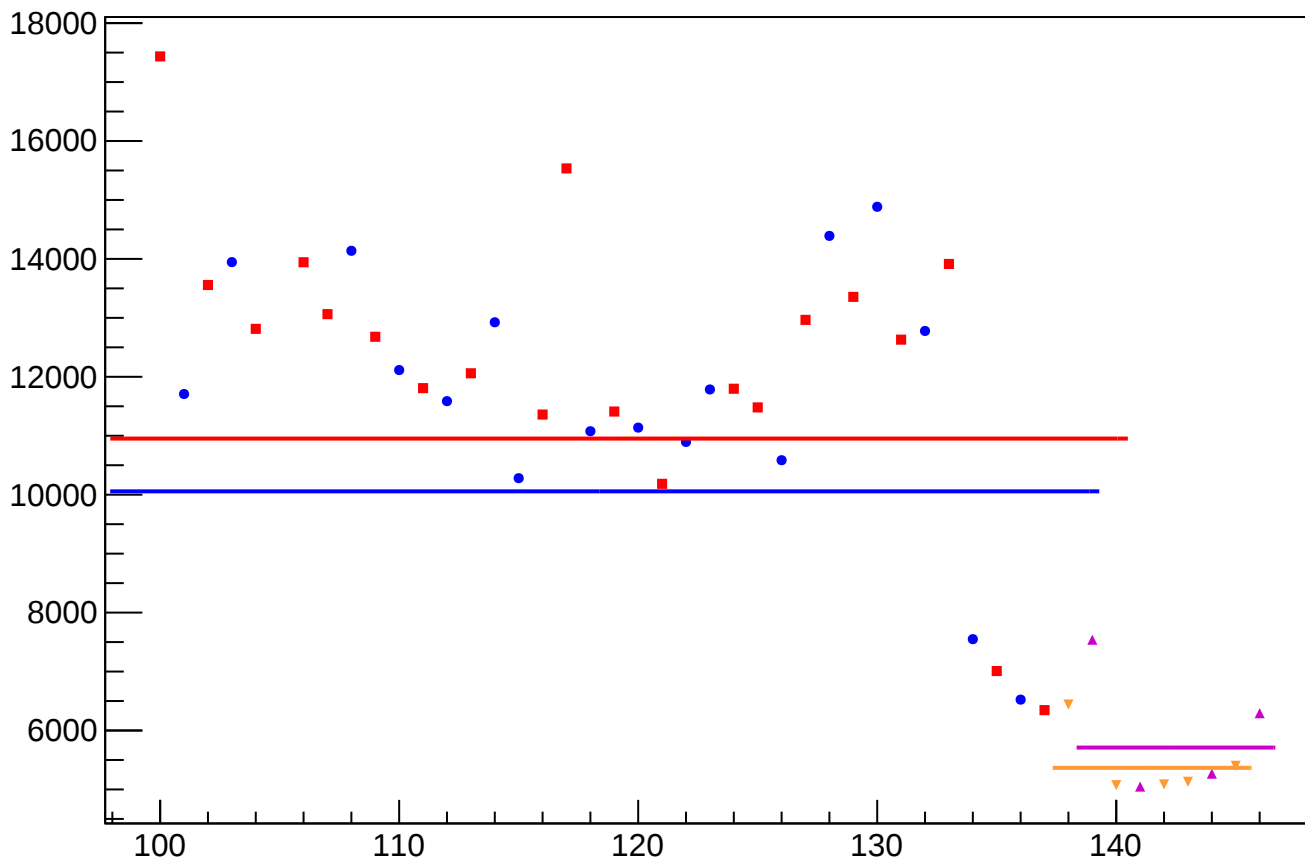
Right Out: 7.243 ± 4.218 $\chi^2/\text{NDF}: 14.6/19$

Left In: 0.462 ± 3.215 $\chi^2/\text{NDF}: 2.3/3$

5.249 ± 2.392 $\chi^2/\text{NDF}: 33.7/21$

2.954 ± 2.557 $\chi^2/\text{NDF}: 18.5/23$

diff_bpm16X_rms vs Slug



Right In: 10056.991 ± 2.885 χ^2/NDF : 1002872.6/16

Left Out: 5366.546 ± 2.087 χ^2/NDF : 50471.9/4

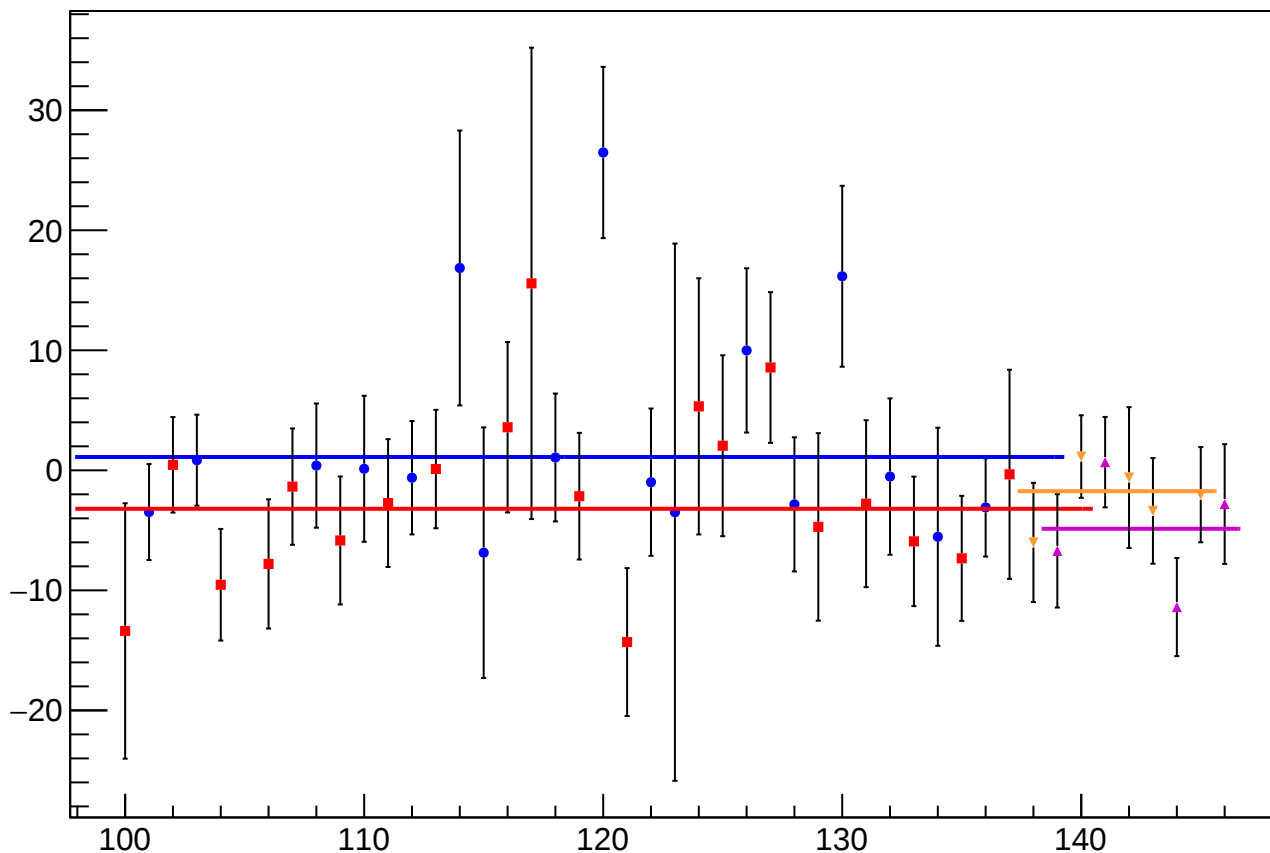
Right Out: 10952.255 ± 2.982 χ^2/NDF : 770474.3/19

Left In: 5710.569 ± 2.273 χ^2/NDF : 140076.3/3

6977.958 ± 1.691 χ^2/NDF : 2788330.6/21

7636.707 ± 1.808 χ^2/NDF : 2864506.1/23

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 $\chi^2/\text{NDF}: 24.6/16$

Left Out: -1.737 ± 1.927 $\chi^2/\text{NDF}: 1.6/4$

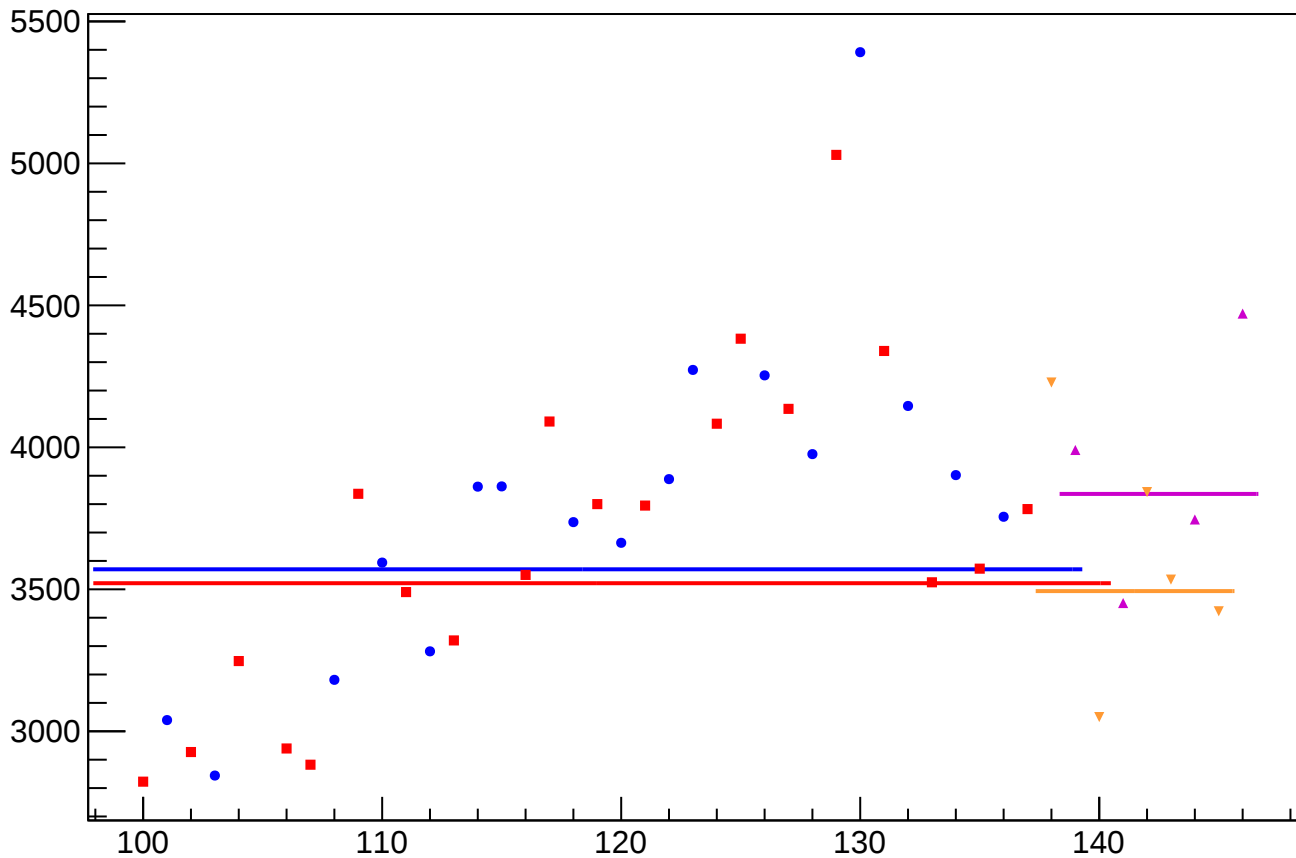
Right Out: -3.204 ± 1.331 $\chi^2/\text{NDF}: 16.0/19$

Left In: -4.868 ± 2.154 $\chi^2/\text{NDF}: 5.0/3$

0.125 ± 1.134 $\chi^2/\text{NDF}: 27.7/21$

-3.663 ± 1.132 $\chi^2/\text{NDF}: 21.5/23$

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 3493.749+/-1.363 χ^2/NDF : 84858.7/4

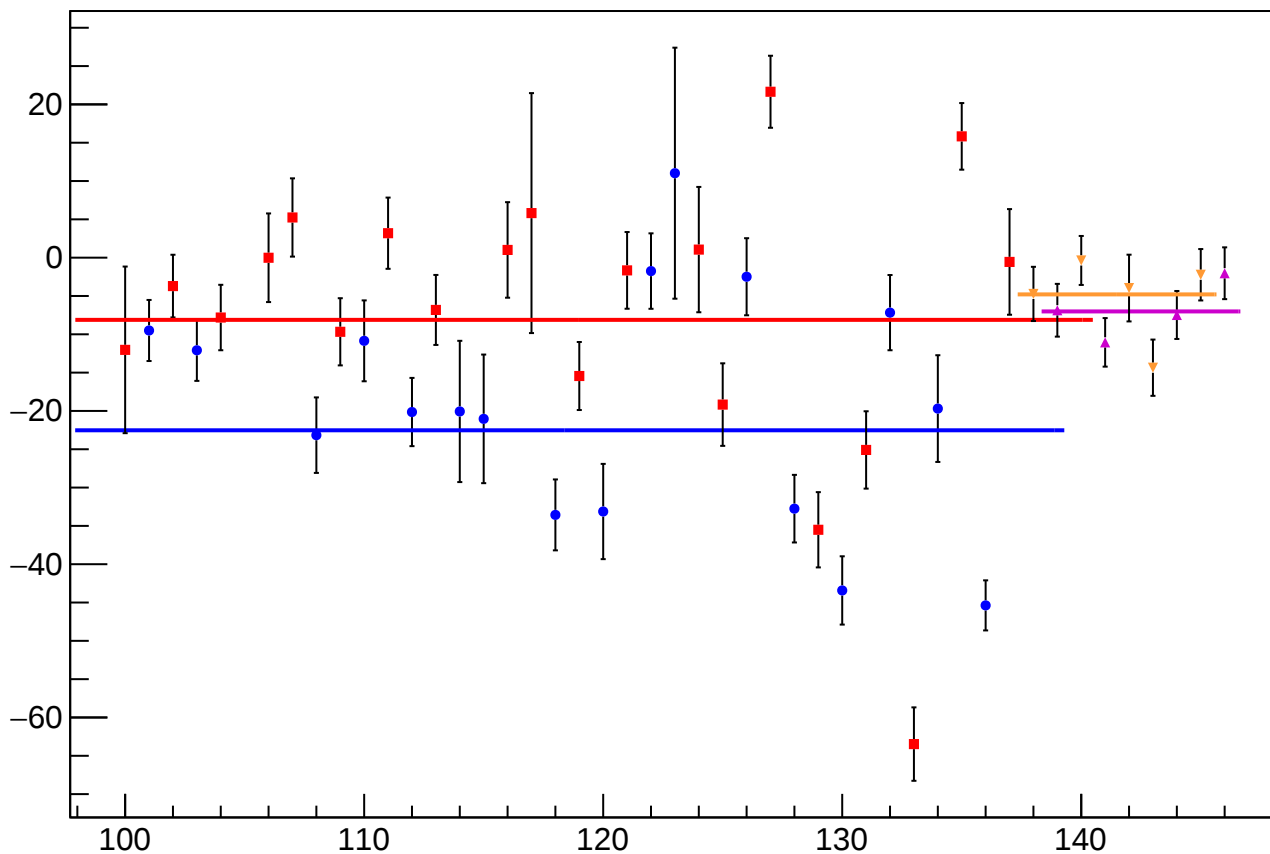
Right Out: 3521.513+/-0.941 χ^2/NDF : 295082.3/19

Left In: 3835.958+/-1.523 χ^2/NDF : 56347.8/3

3543.904+/-0.802 χ^2/NDF : 396630.4/21

3608.331+/-0.800 χ^2/NDF : 382271.0/23

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 $\chi^2/\text{NDF}: 155.5/16$

Left Out: -4.793 ± 1.594 $\chi^2/\text{NDF}: 9.3/4$

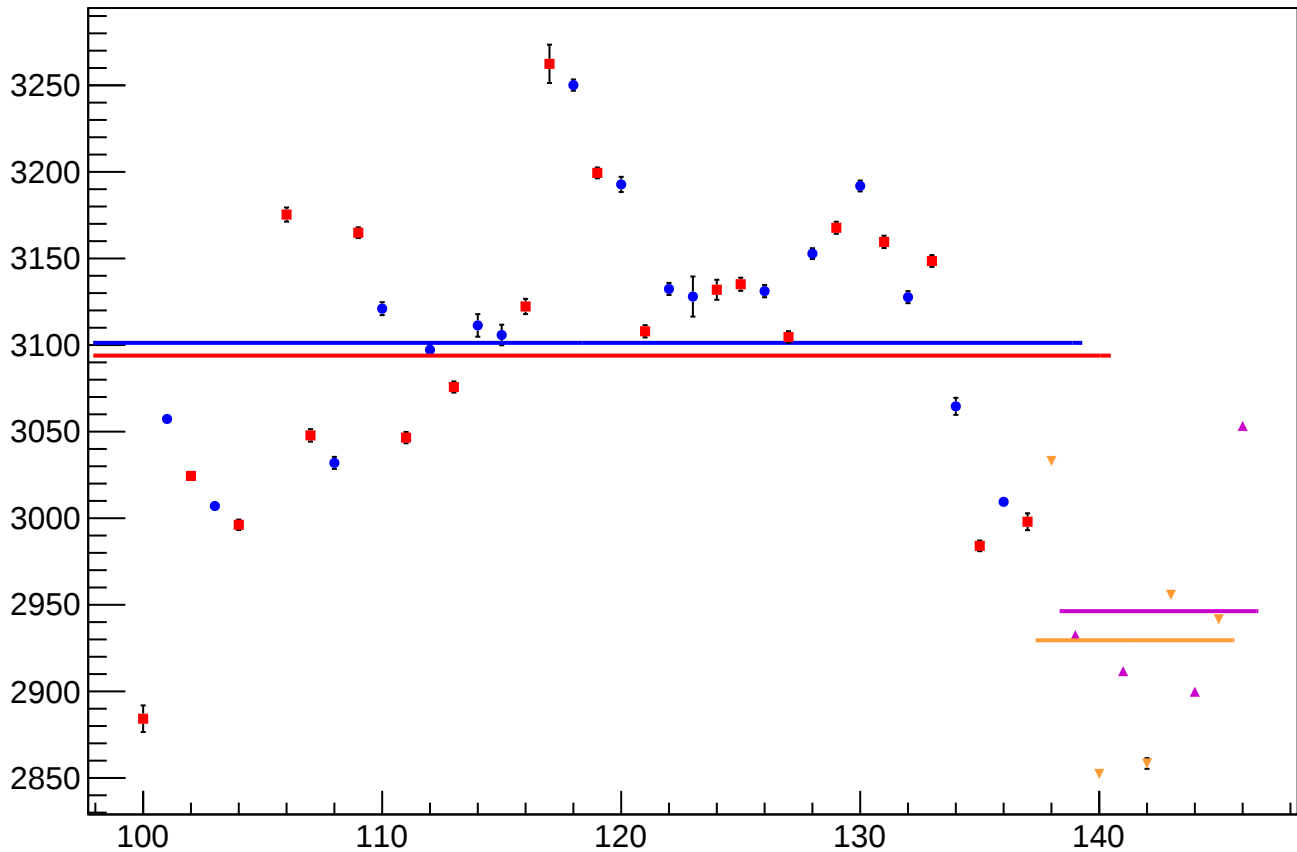
Right Out: -8.116 ± 1.154 $\chi^2/\text{NDF}: 276.6/19$

Left In: -7.016 ± 1.636 $\chi^2/\text{NDF}: 3.8/3$

-16.106 ± 0.959 $\chi^2/\text{NDF}: 243.8/21$

-7.750 ± 0.943 $\chi^2/\text{NDF}: 280.8/23$

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 2929.505+/-1.127 χ^2/NDF : 3541.9/4

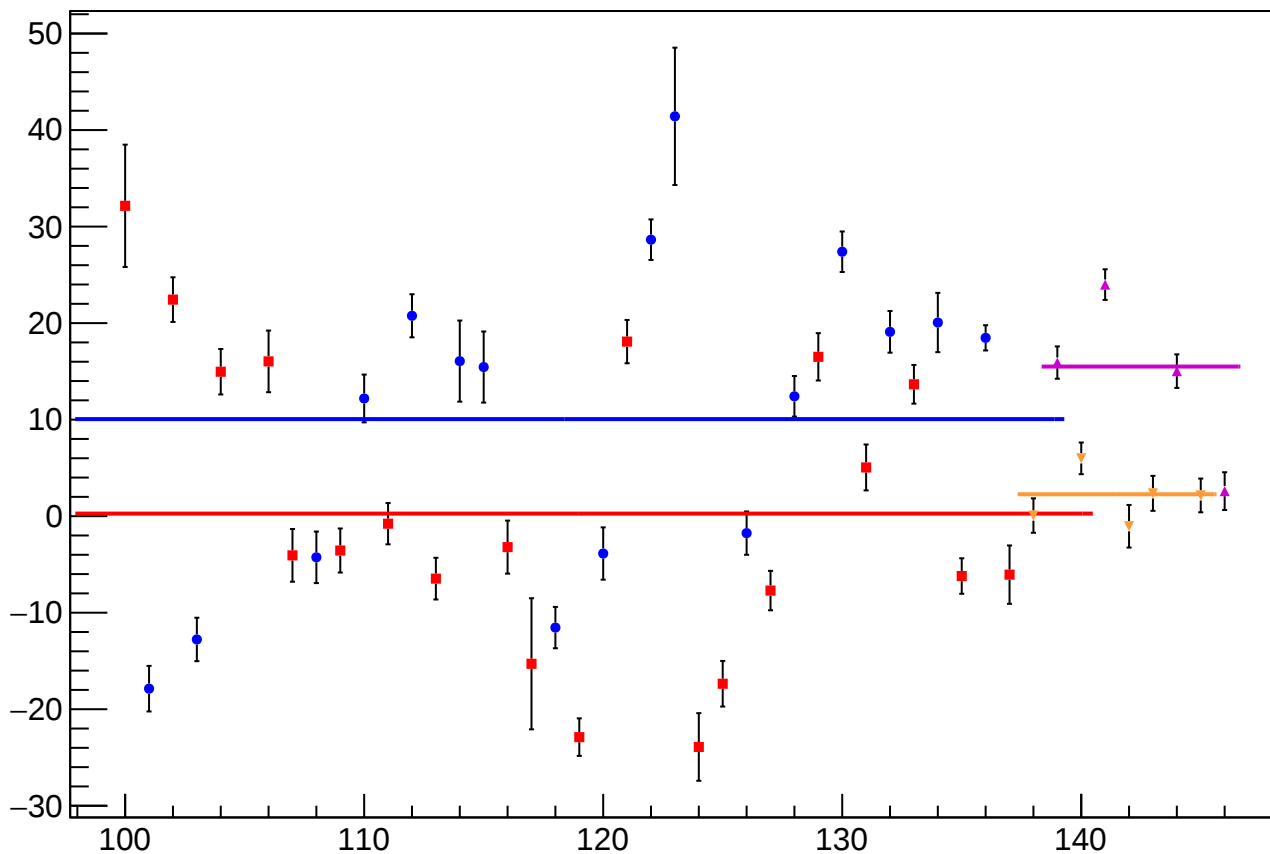
Right Out: 3093.913+/-0.816 χ^2/NDF : 7998.9/19

Left In: 2946.339+/-1.157 χ^2/NDF : 2717.2/3

3039.085+/-0.678 χ^2/NDF : 25597.8/21

3044.897+/-0.667 χ^2/NDF : 21584.5/23

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 2.269 $\pm$ 0.810 χ^2 /NDF: 8.9/4

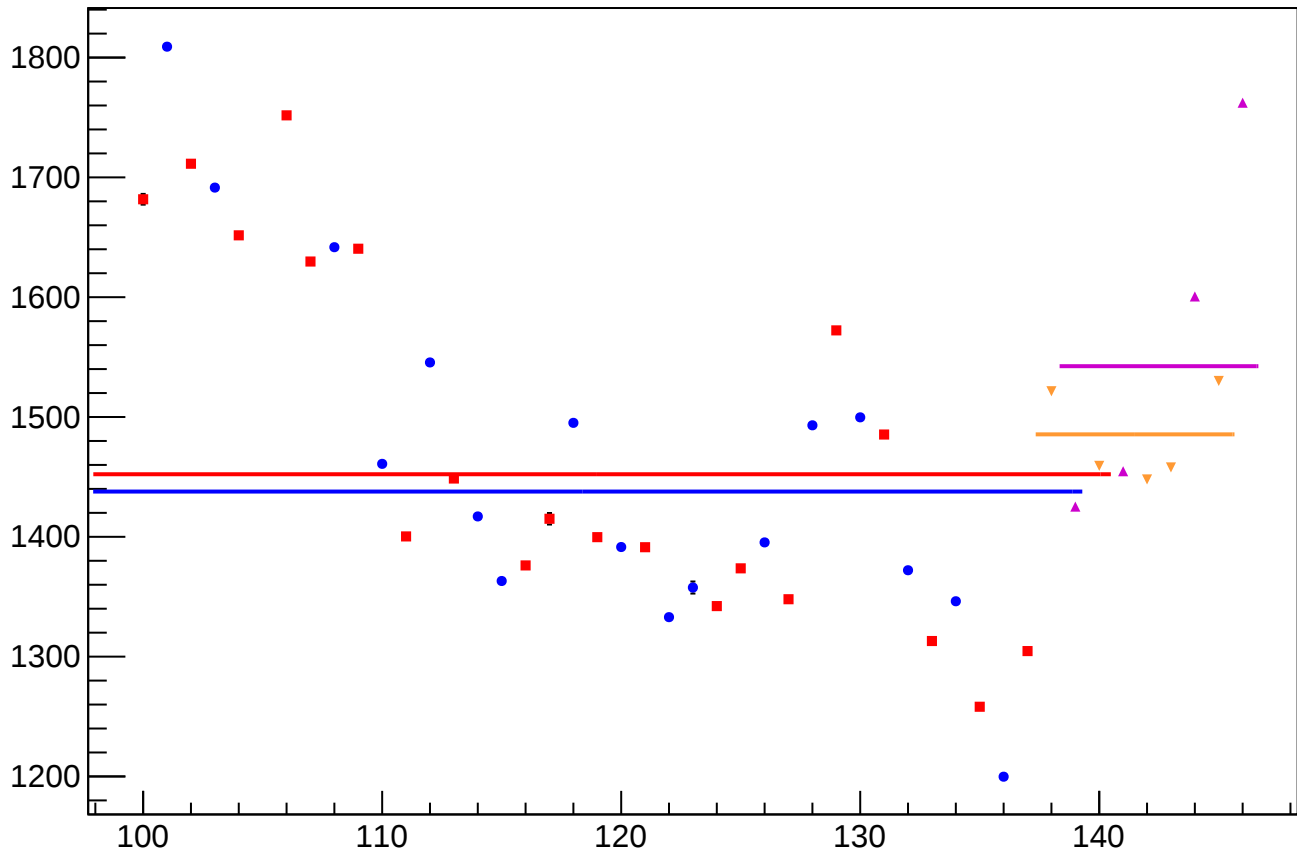
Right Out: 0.266 $\pm$ 0.545 χ^2 /NDF: 635.1/19

Left In: 15.500 $\pm$ 0.862 χ^2 /NDF: 72.4/3

7.527 $\pm$ 0.462 χ^2 /NDF: 763.6/21

4.623 $\pm$ 0.461 χ^2 /NDF: 930.7/23

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 ± 0.397 χ^2/NDF : 173216.2/16

Left Out: 1485.520 ± 0.573 χ^2/NDF : 3676.0/4

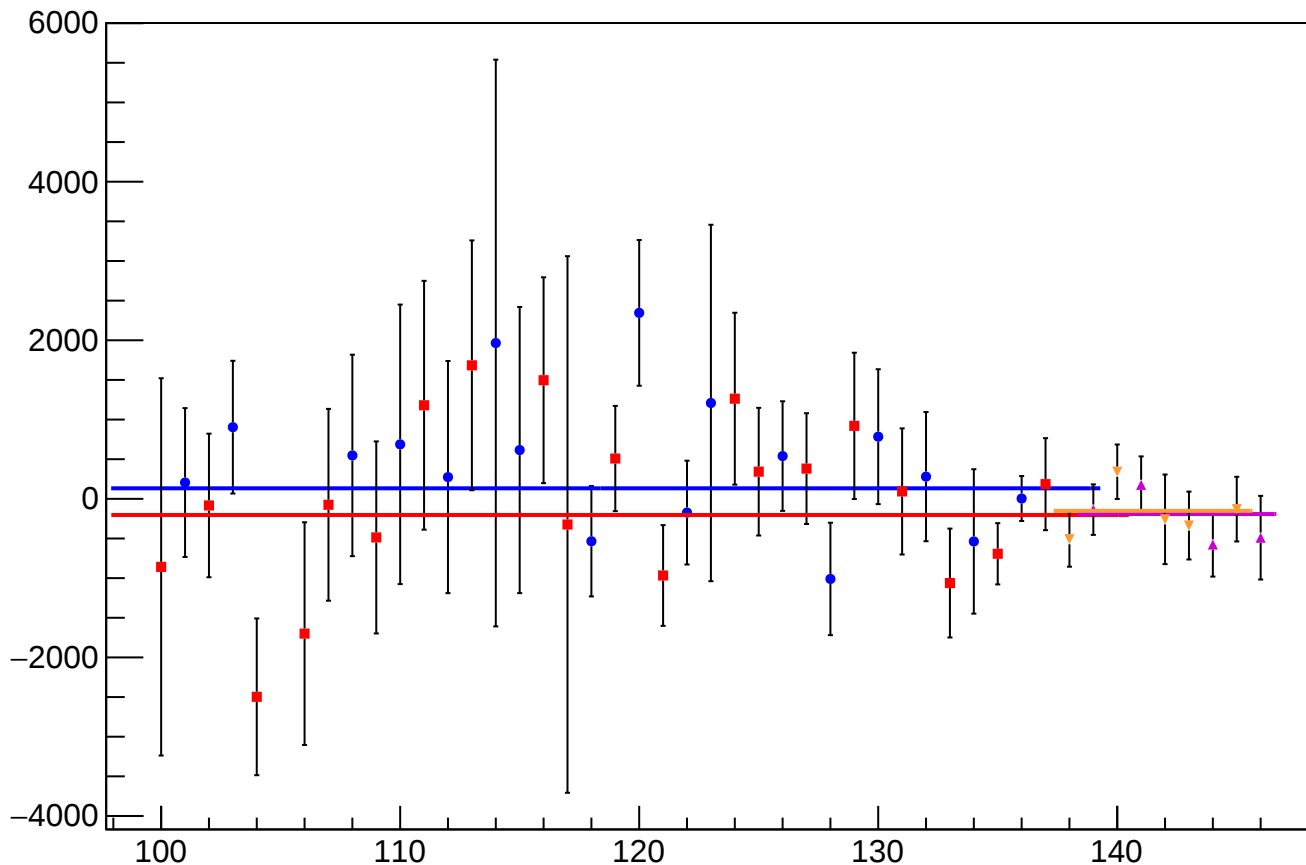
Right Out: 1452.227 ± 0.386 χ^2/NDF : 138666.1/19

Left In: 1542.414 ± 0.609 χ^2/NDF : 43434.6/3

1453.279 ± 0.326 χ^2/NDF : 181584.8/21

1478.019 ± 0.326 χ^2/NDF : 197748.1/23

asym_sam1_mean vs Slug



Right In: 132.921+/-180.271 χ^2/NDF : 12.9/16

Left Out: -151.260+/-178.464 χ^2/NDF : 3.4/4

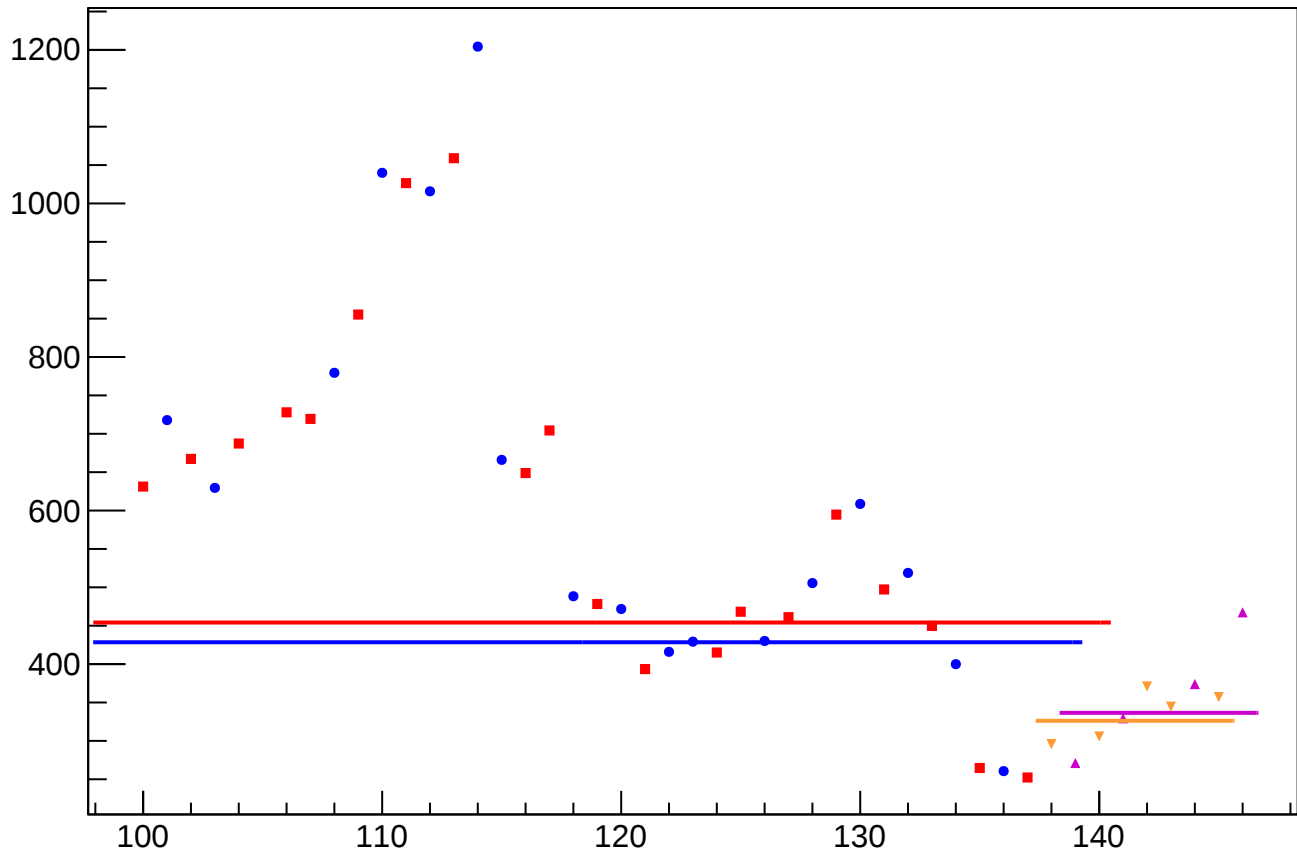
Right Out: -203.418+/-184.080 χ^2/NDF : 21.4/19

Left In: -191.655+/-191.330 χ^2/NDF : 2.3/3

-10.601+/-126.827 χ^2/NDF : 17.5/21

-197.764+/-132.653 χ^2/NDF : 23.7/23

asym_sam1_rms vs Slug



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 326.170 $\pm$ 0.126 χ^2 /NDF: 50124.8/4

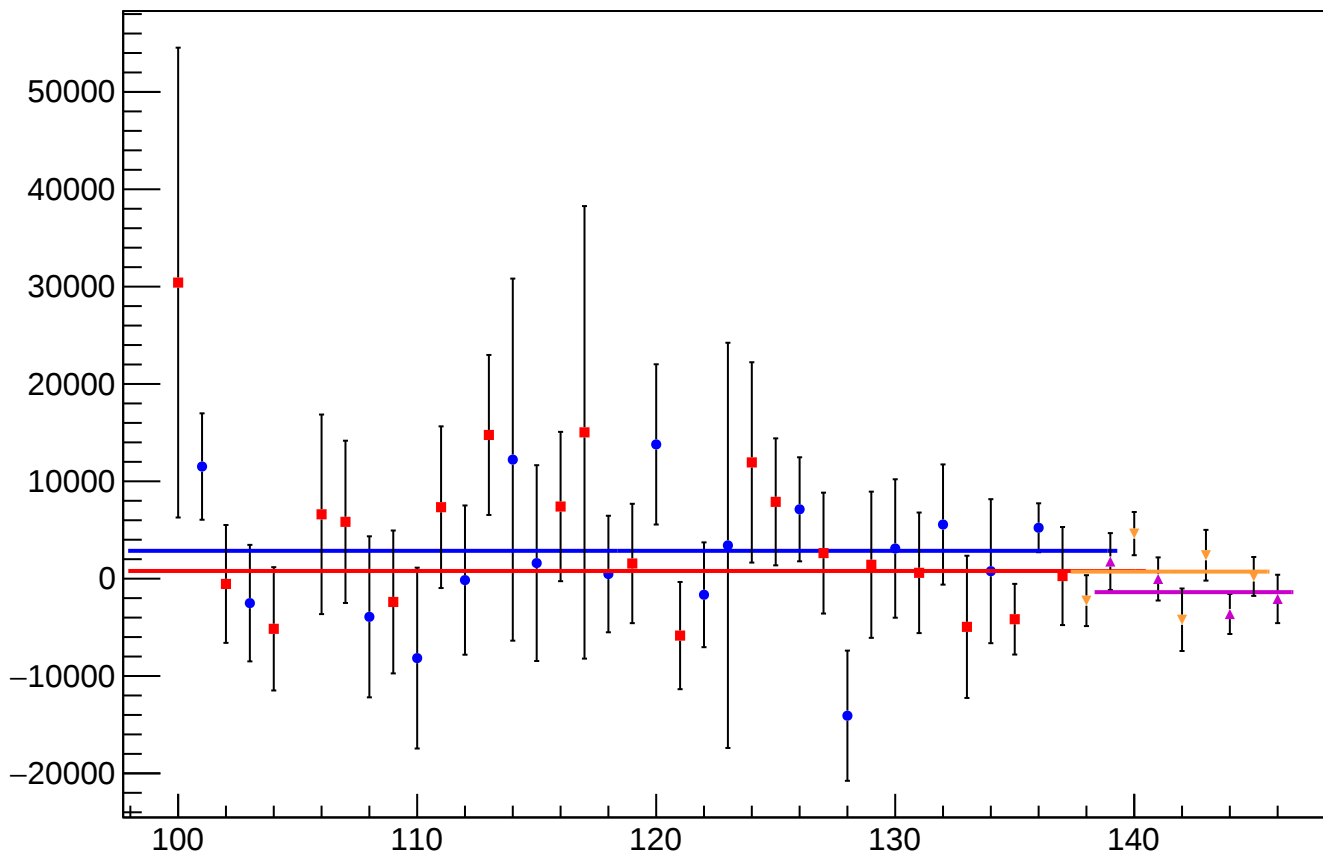
Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

Left In: 336.512 $\pm$ 0.135 χ^2 /NDF: 225249.8/3

376.800 $\pm$ 0.090 χ^2 /NDF: 2386792.9/21

397.616 $\pm$ 0.094 χ^2 /NDF: 2658834.7/23

asym_sam2_mean vs Slug



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 723.298+/-1088.463 χ^2/NDF : 7.2/4

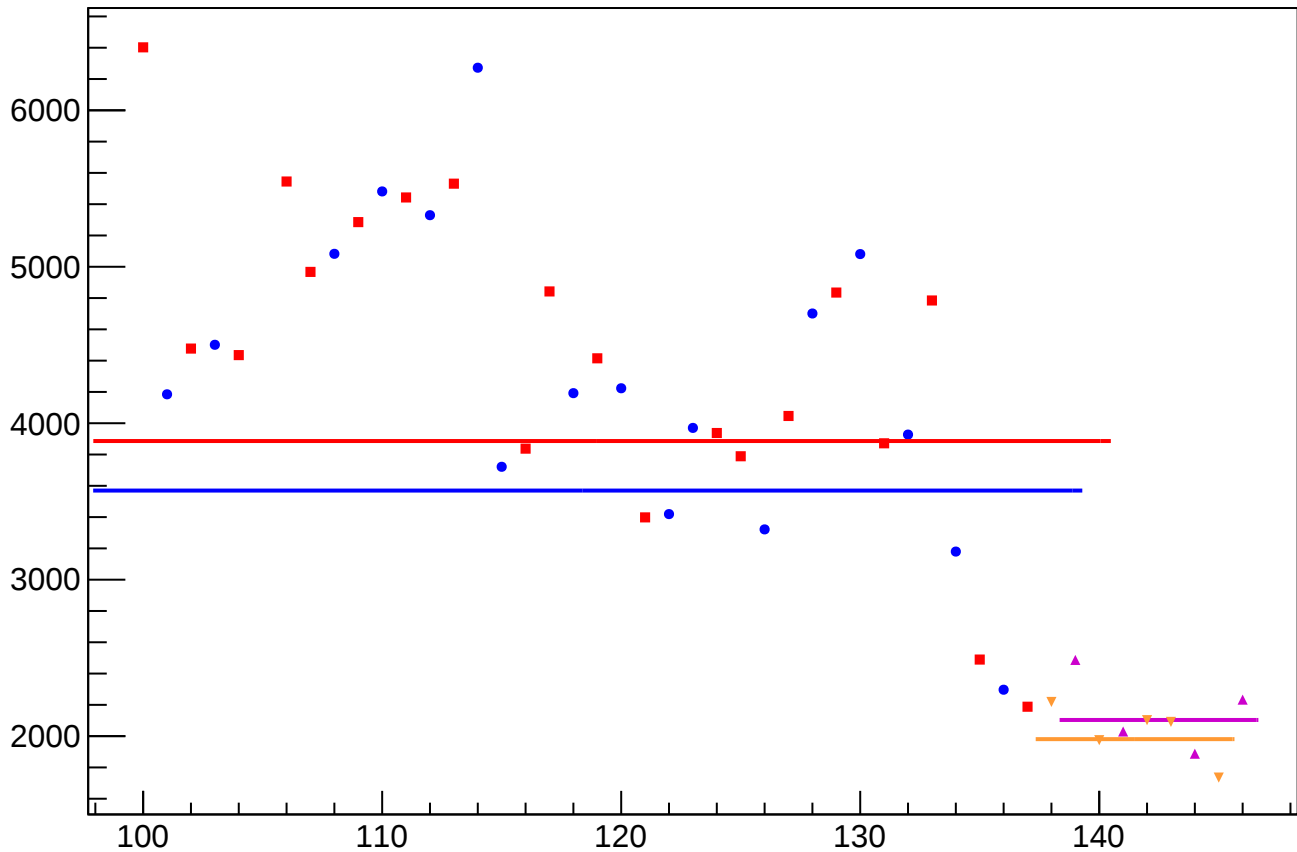
Right Out: 789.608+/-1506.053 χ^2/NDF : 14.4/19

Left In: -1384.948+/-1178.614 χ^2/NDF : 2.8/3

1494.685+/-870.034 χ^2/NDF : 25.3/21

-559.005+/-928.175 χ^2/NDF : 18.5/23

asym_sam2_rms vs Slug



Right In: 3569.631 ± 1.024 χ^2/NDF : 1087935.4/16

Left Out: 1980.830 ± 0.770 χ^2/NDF : 53229.6/4

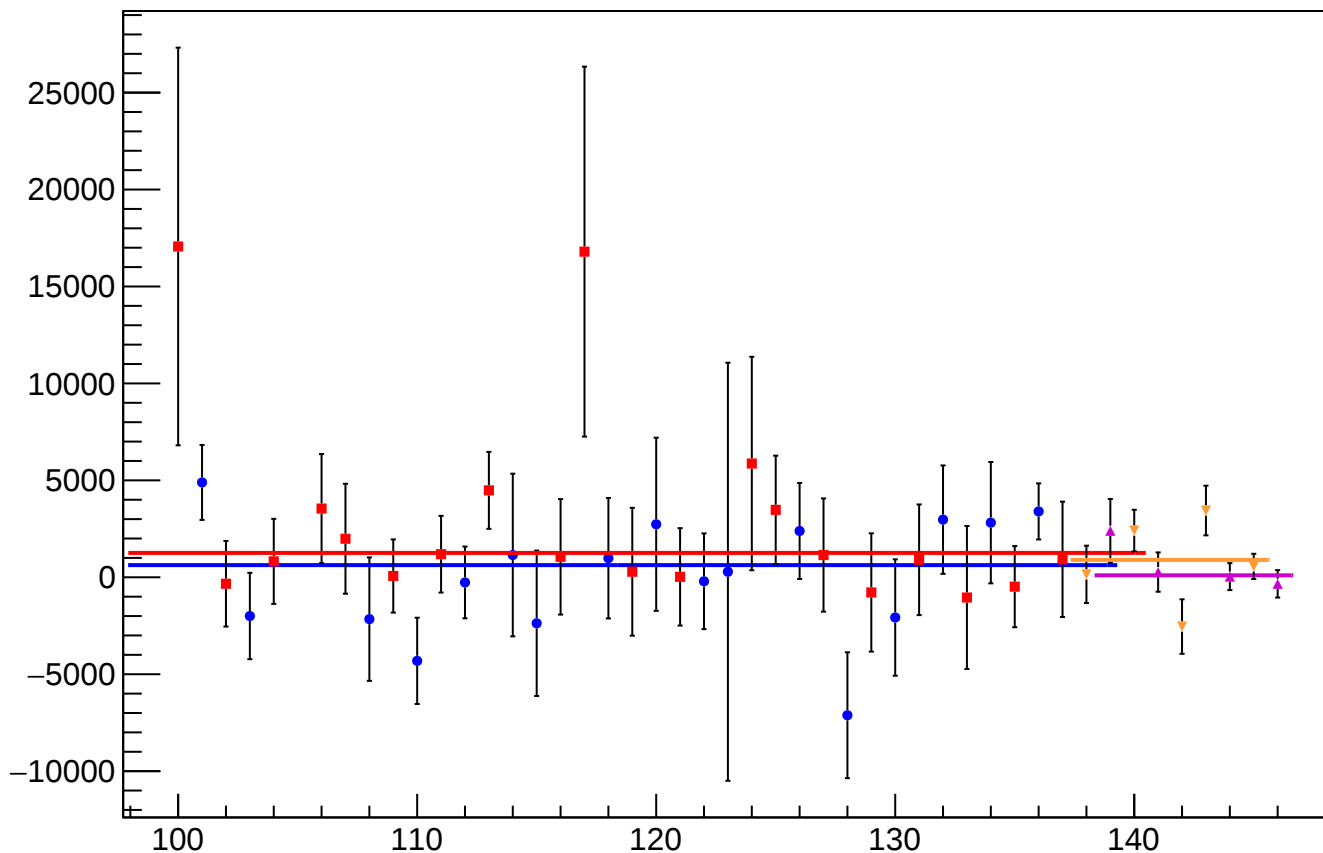
Right Out: 3886.199 ± 1.065 χ^2/NDF : 986485.7/19

Left In: 2103.365 ± 0.833 χ^2/NDF : 64289.3/3

2554.517 ± 0.615 χ^2/NDF : 2679841.8/21

2780.524 ± 0.656 χ^2/NDF : 2788929.4/23

asym_sam3_mean vs Slug



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 896.376+/-456.073 χ^2/NDF : 12.4/4

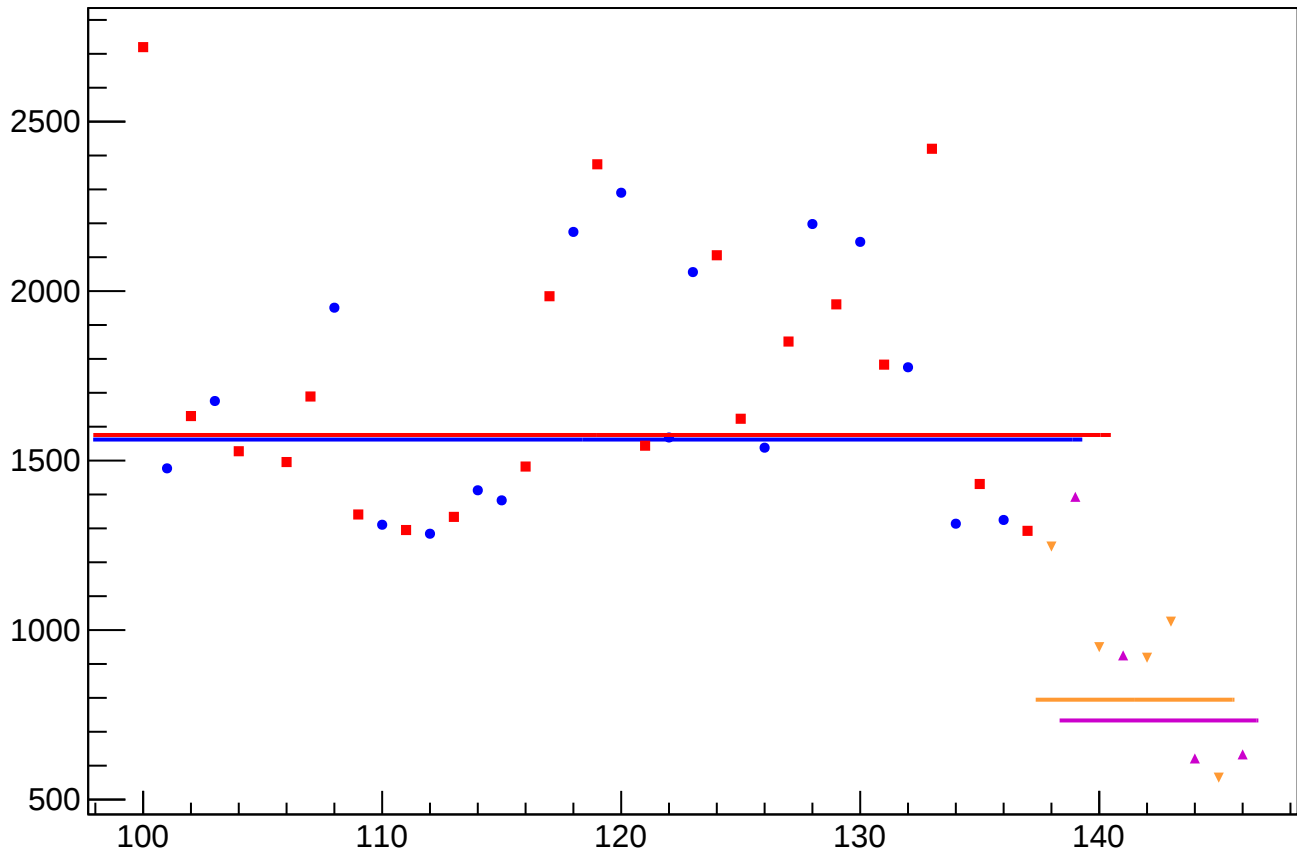
Right Out: 1257.467+/-601.857 χ^2/NDF : 12.6/19

Left In: 101.980+/-429.820 χ^2/NDF : 2.4/3

802.206+/-367.575 χ^2/NDF : 37.6/21

492.254+/-349.780 χ^2/NDF : 17.4/23

asym_sam3_rms vs Slug



Right In: 1562.101+/-0.439 χ^2/NDF : 482088.3/16

Left Out: 794.605+/-0.322 χ^2/NDF : 558466.5/4

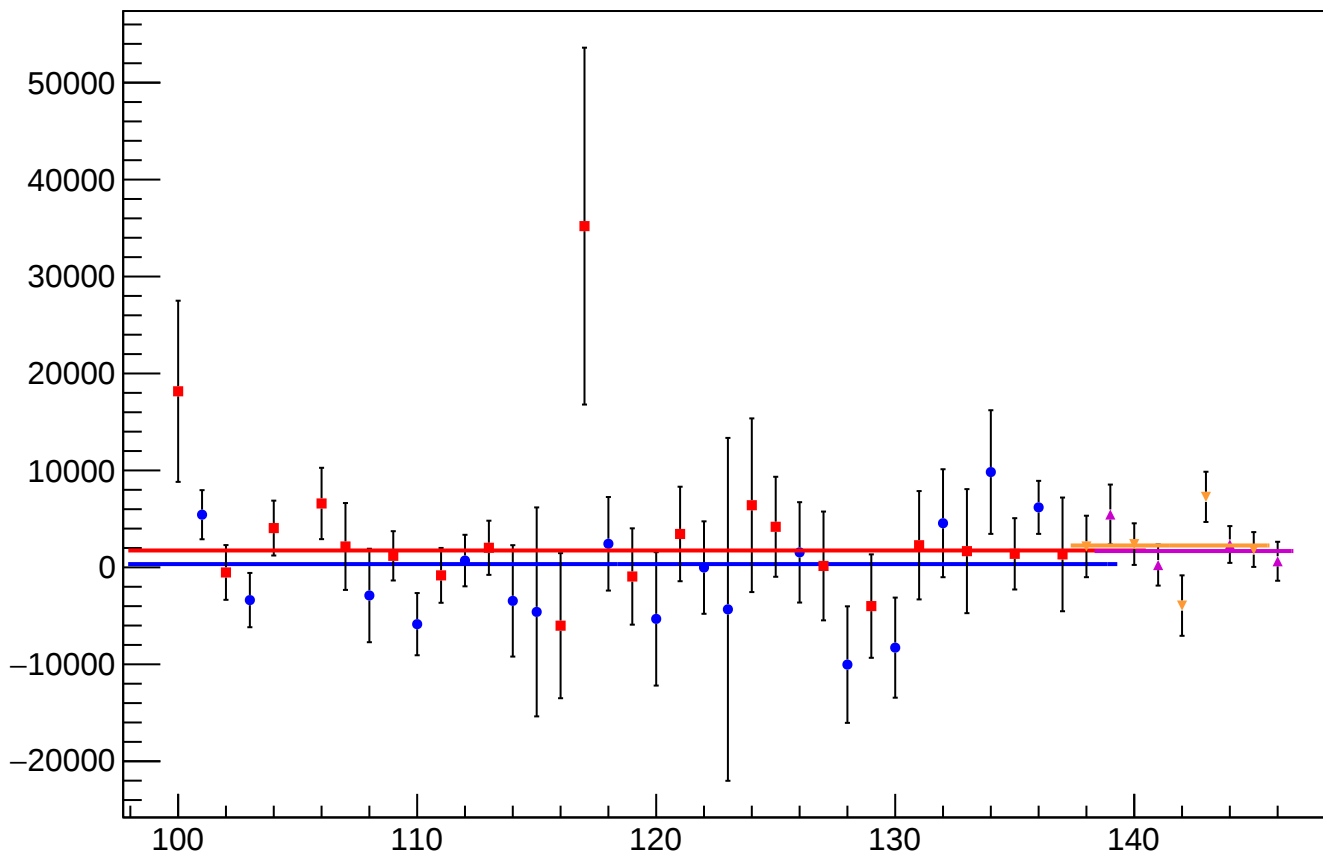
1063.563+/-0.260 χ^2/NDF : 3025374.1/21

Right Out: 1575.541+/-0.426 χ^2/NDF : 467687.2/19

1017.816+/-0.247 χ^2/NDF : 3548282.8/23

Left In: 733.364+/-0.304 χ^2/NDF : 487203.2/3

asym_sam4_mean vs Slug



Right In: 338.117+/-995.842 χ^2/NDF : 24.8/16

Left Out: 2260.327+/-1066.753 χ^2/NDF : 7.8/4

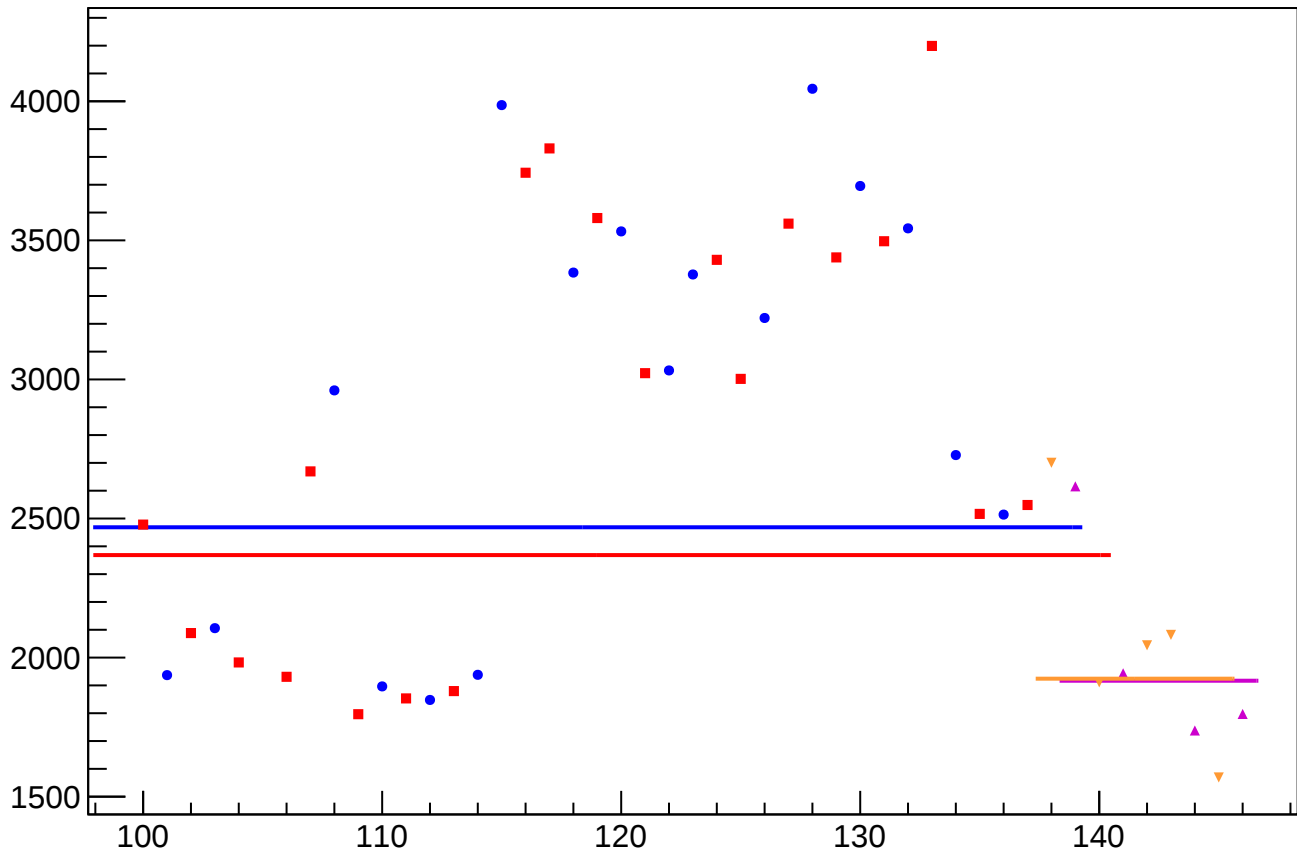
Right Out: 1742.470+/-923.289 χ^2/NDF : 13.6/19

Left In: 1684.774+/-1082.848 χ^2/NDF : 2.4/3

1233.216+/-727.945 χ^2/NDF : 34.3/21

1718.182+/-702.571 χ^2/NDF : 15.9/23

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 1924.172+/-0.754 χ^2/NDF : 208567.0/4

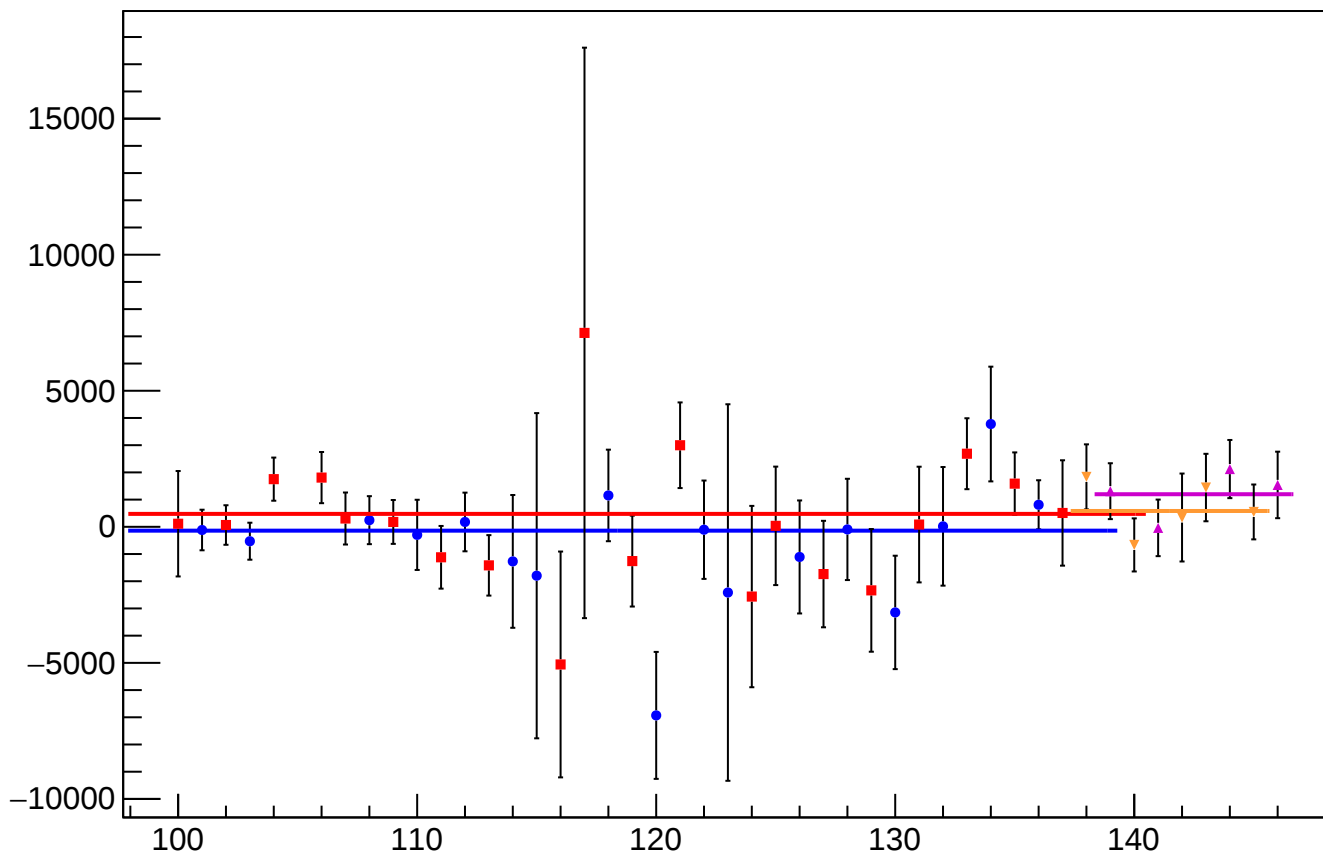
Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

Left In: 1916.824+/-0.766 χ^2/NDF : 127596.0/3

2215.022+/-0.515 χ^2/NDF : 1382962.4/21

2178.373+/-0.497 χ^2/NDF : 1366917.4/23

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 581.782+/-515.199 χ^2/NDF : 3.2/4

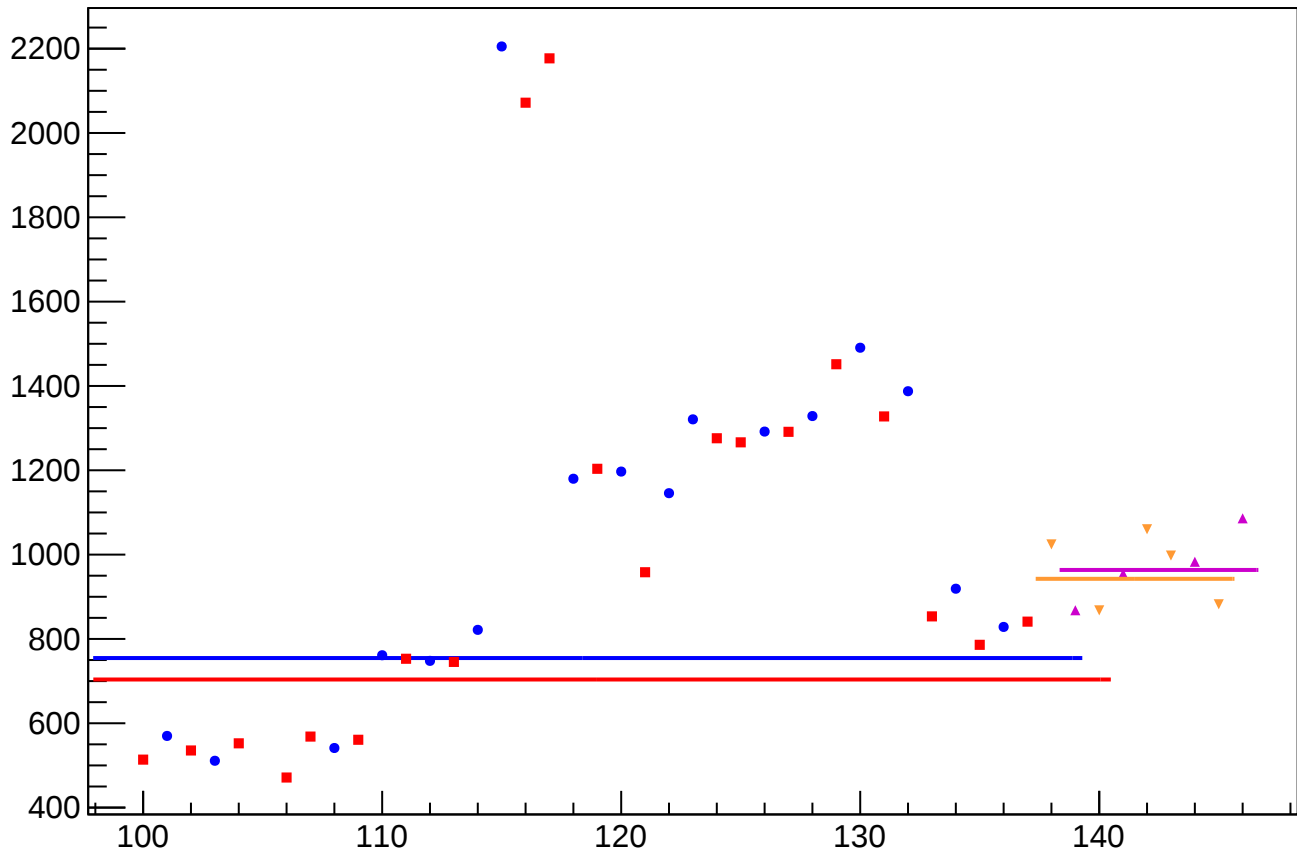
Right Out: 474.987+/-282.789 χ^2/NDF : 23.3/19

Left In: 1197.712+/-540.794 χ^2/NDF : 2.3/3

53.990+/-267.701 χ^2/NDF : 21.6/21

630.175+/-250.596 χ^2/NDF : 27.0/23

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 942.591+/-0.364 χ^2/NDF : 42797.7/4

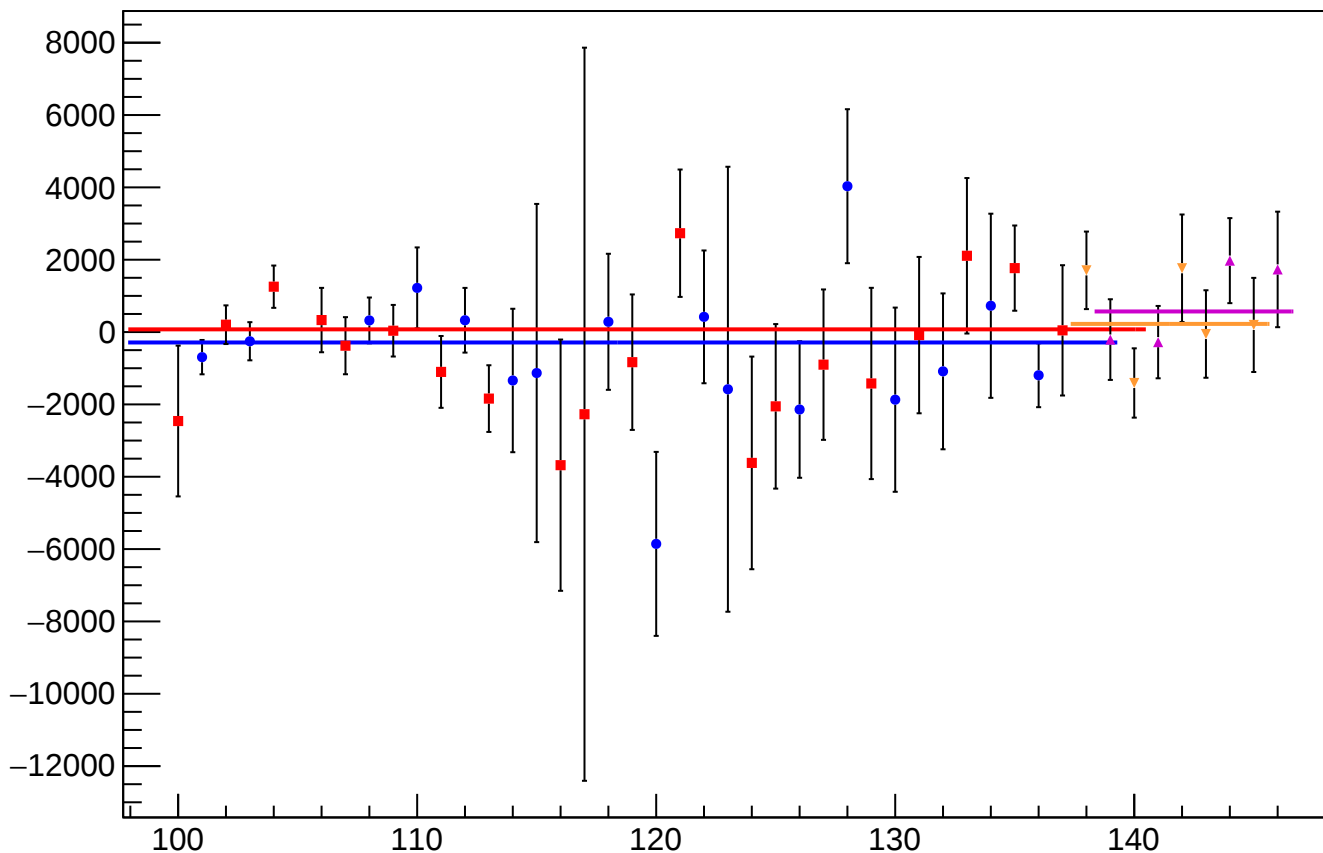
805.417+/-0.189 χ^2/NDF : 1927639.2/21

Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

759.586+/-0.177 χ^2/NDF : 2131882.8/23

Left In: 963.622+/-0.382 χ^2/NDF : 38206.6/3

asym_sam6_mean vs Slug



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: 225.358+/-520.808 χ^2/NDF : 5.9/4

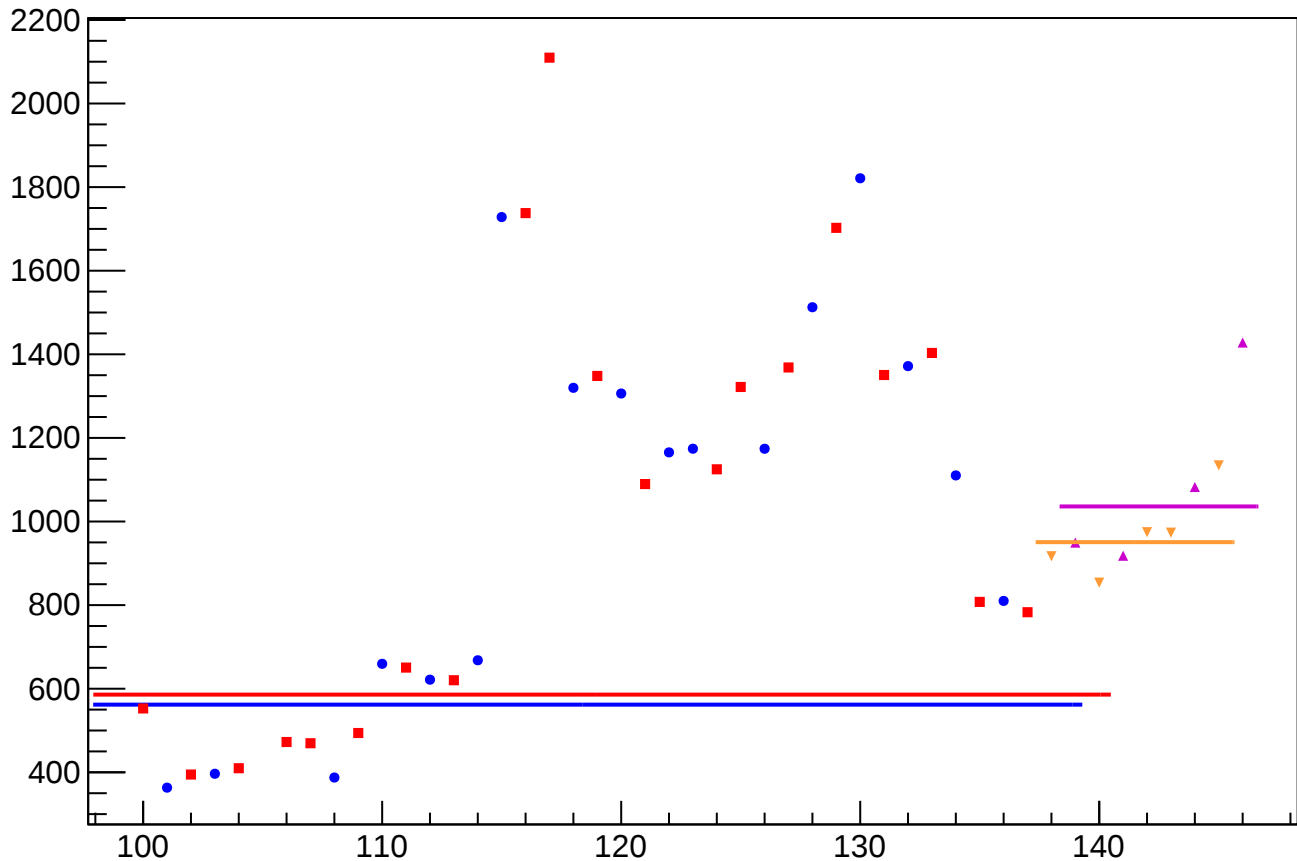
Right Out: 74.735+/-246.011 χ^2/NDF : 21.4/19

Left In: 569.439+/-585.245 χ^2/NDF : 3.2/3

-191.621+/-225.698 χ^2/NDF : 22.9/21

149.022+/-226.789 χ^2/NDF : 25.2/23

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 950.617+/-0.368 χ^2/NDF : 63515.6/4

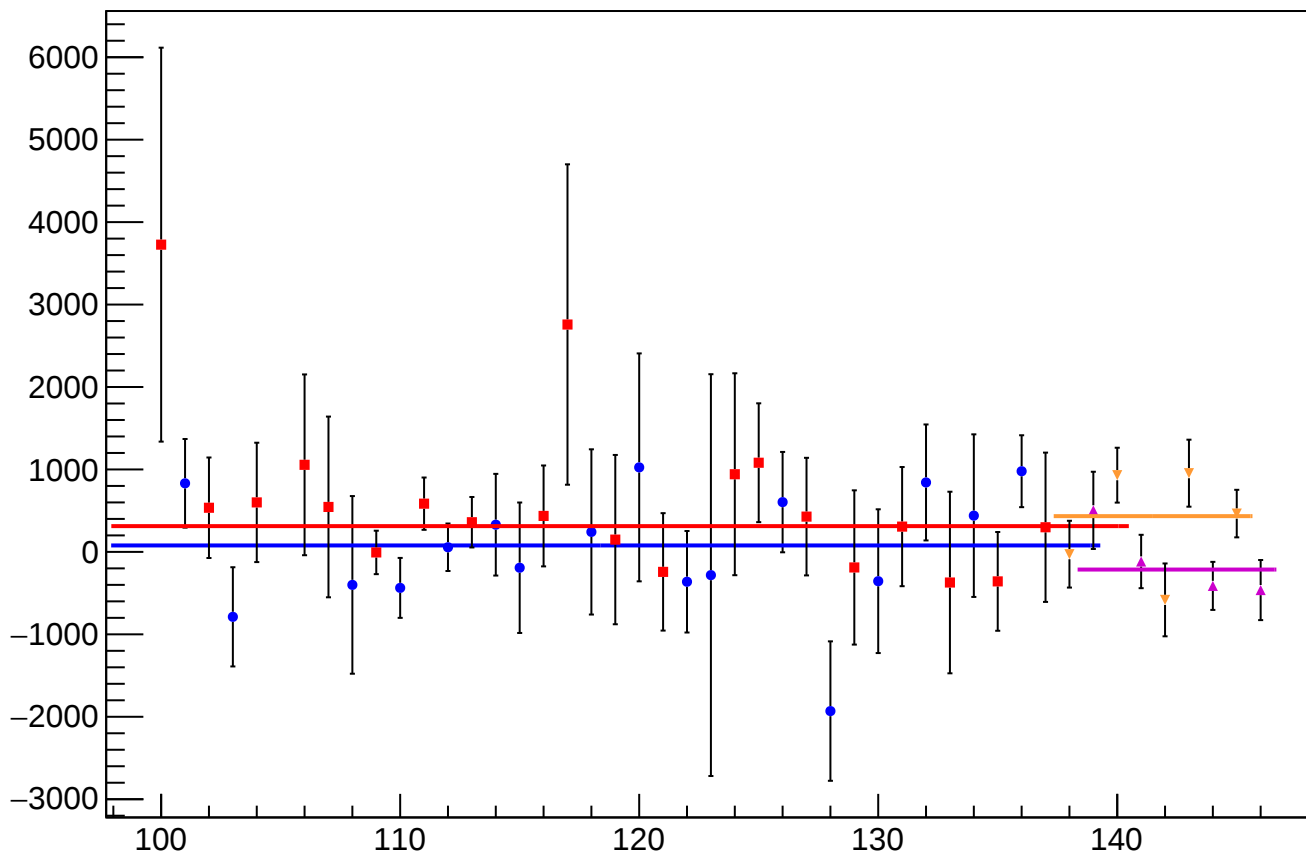
634.897+/-0.160 χ^2/NDF : 4185102.3/21

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

653.488+/-0.160 χ^2/NDF : 4038787.7/23

Left In: 1036.044+/-0.414 χ^2/NDF : 163531.1/3

asym_sam7_mean vs Slug



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 433.619 ± 161.512 χ^2/NDF : 10.5/4

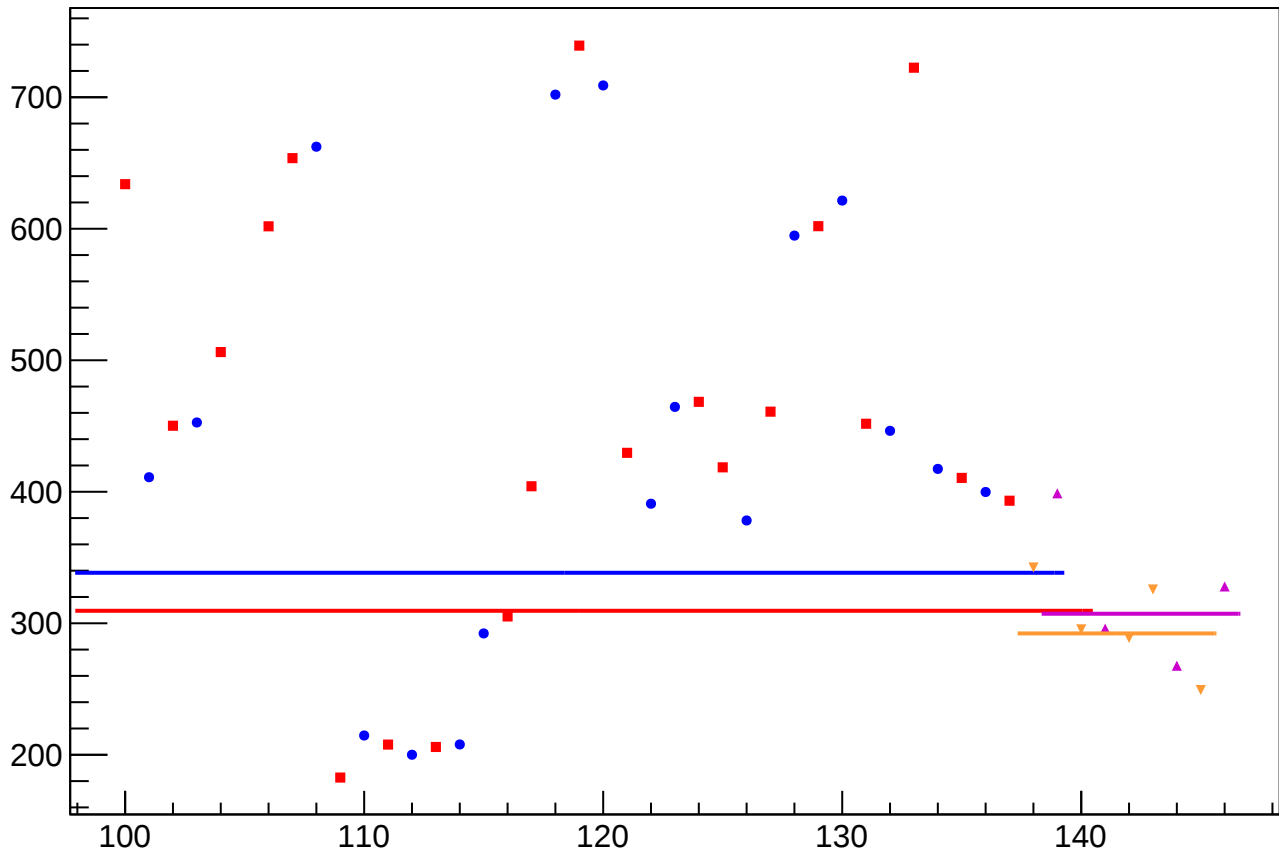
Right Out: 312.536 ± 129.362 χ^2/NDF : 10.7/19

Left In: -214.241 ± 173.000 χ^2/NDF : 3.4/3

234.213 ± 107.011 χ^2/NDF : 33.0/21

123.623 ± 103.601 χ^2/NDF : 20.0/23

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 292.292 $\pm$ 0.114 χ^2 /NDF:89022.5/4

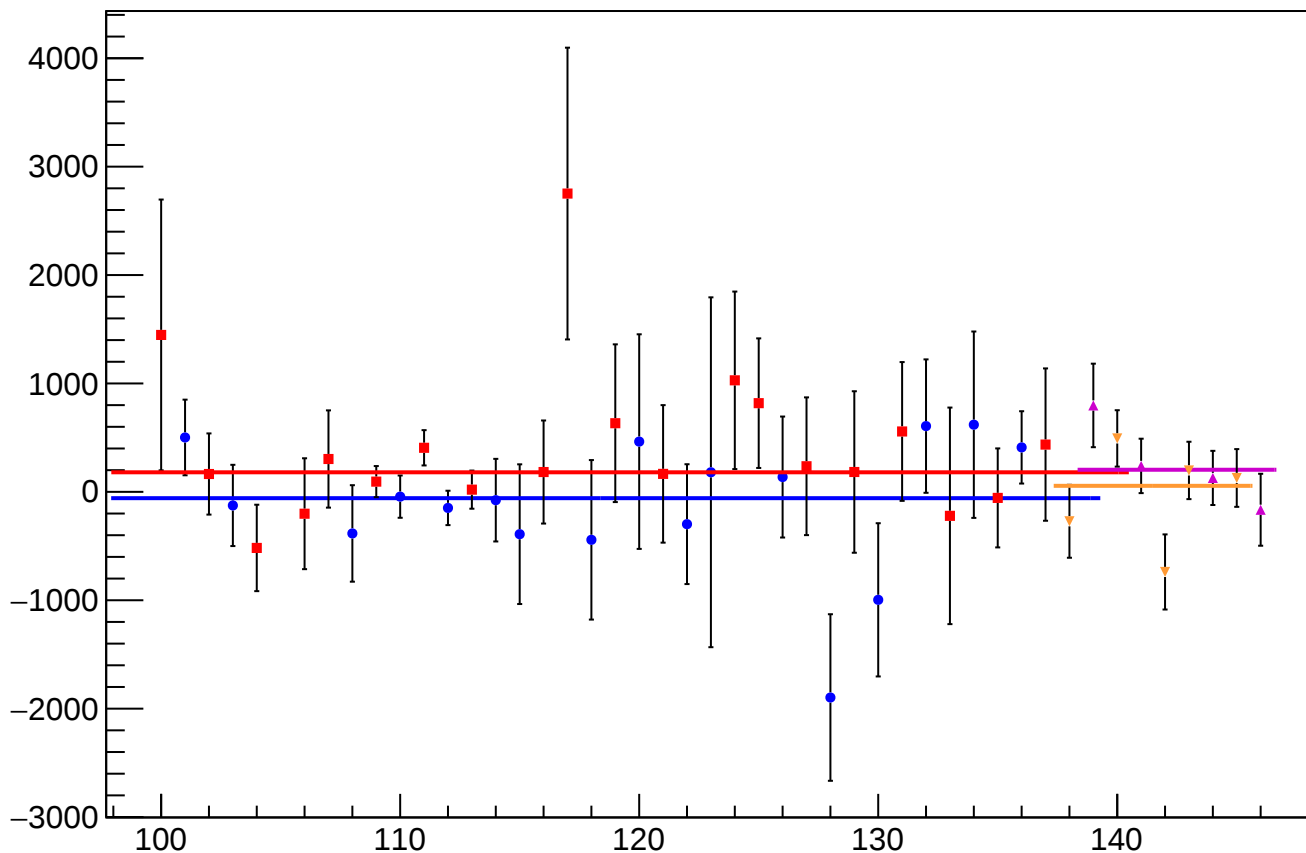
Right Out: 309.503 $\pm$ 0.091 χ^2 /NDF: 2738236.3/19

Left In: 307.265 $\pm$ 0.122 χ^2 /NDF:122230.3/3

318.164 $\pm$ 0.076 χ^2 /NDF: 2189783.4/21

308.700 $\pm$ 0.073 χ^2 /NDF: 2860681.1/23

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 55.627 ± 128.766 χ^2/NDF : 9.4/4

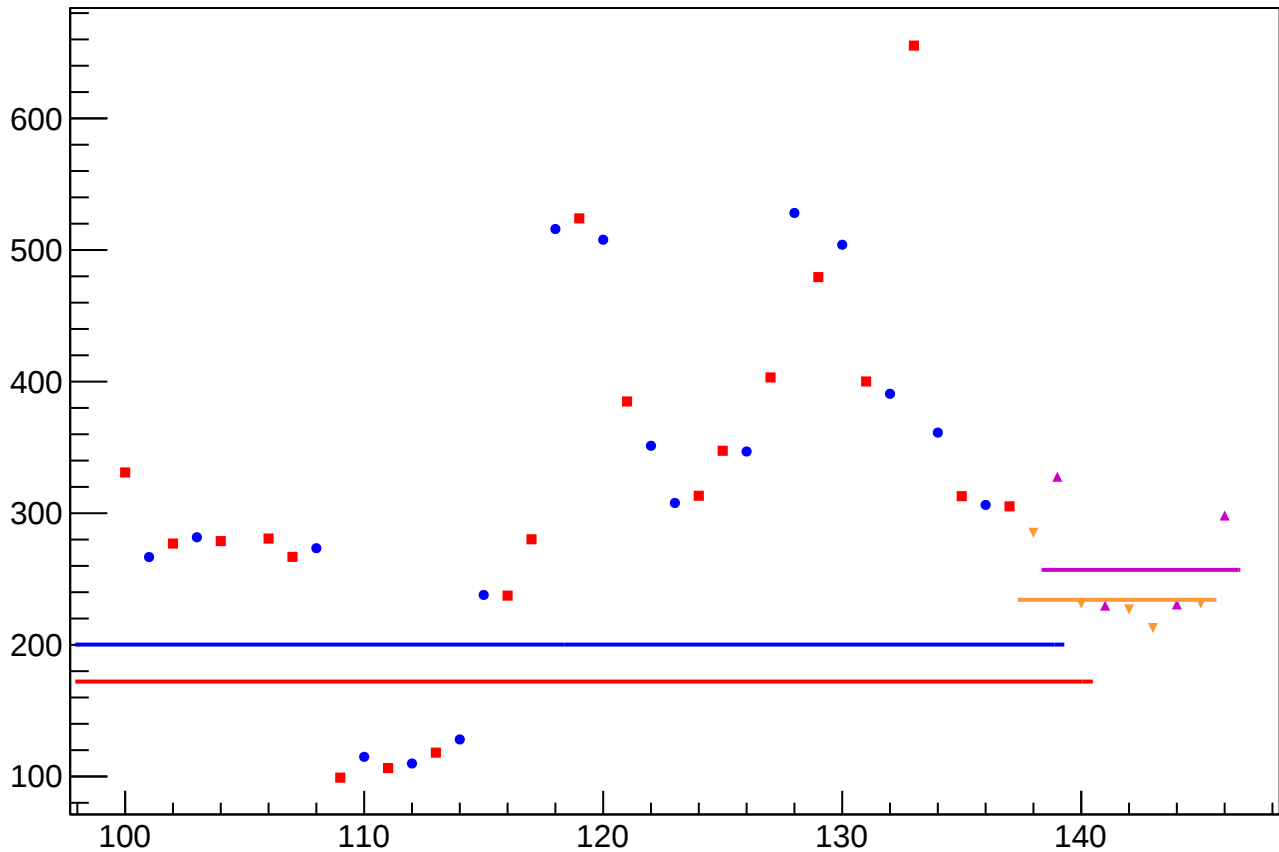
Right Out: 180.354 ± 76.795 χ^2/NDF : 15.0/19

Left In: 203.896 ± 144.766 χ^2/NDF : 3.7/3

-20.639 ± 74.033 χ^2/NDF : 25.8/21

185.524 ± 67.840 χ^2/NDF : 18.7/23

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 234.236+/-0.091 χ^2/NDF : 60280.2/4

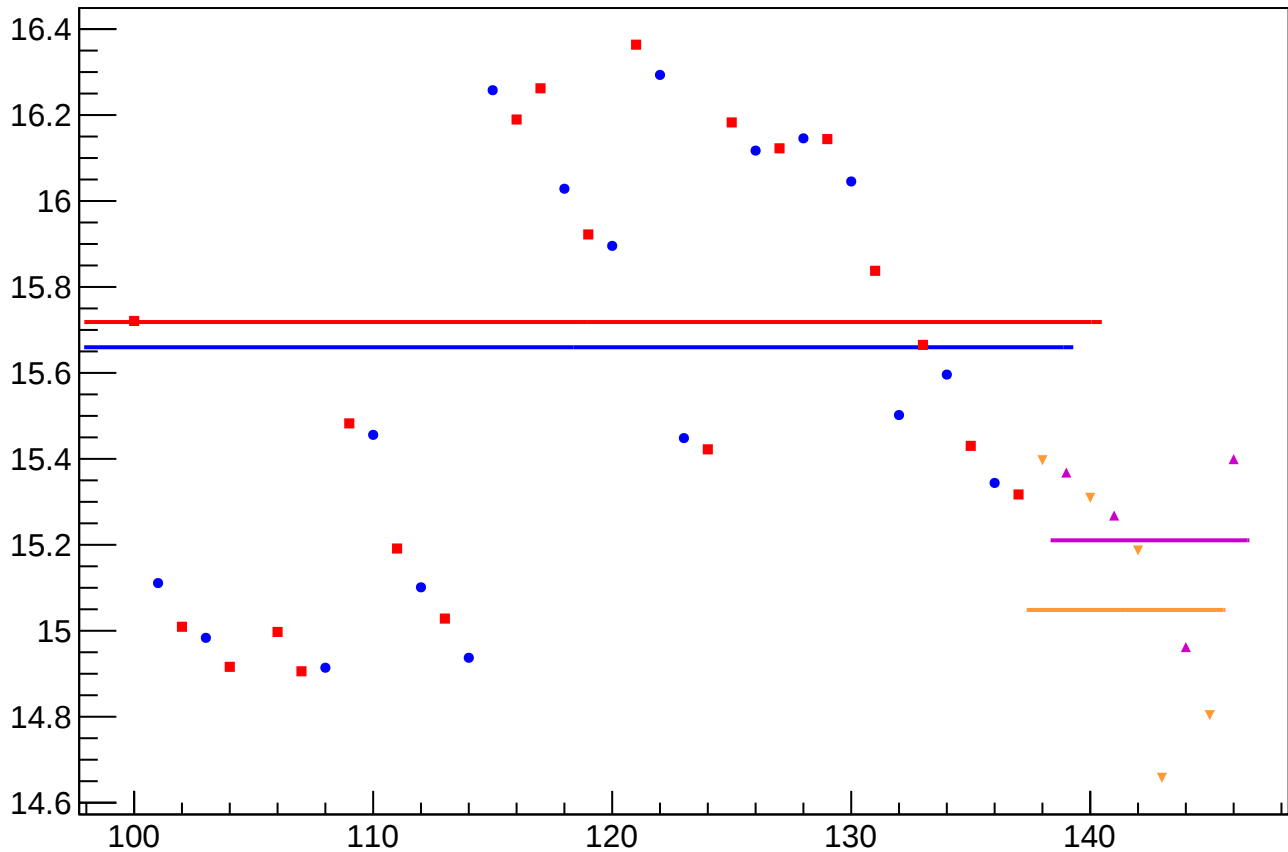
211.457+/-0.052 χ^2/NDF : 3540973.9/21

Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

190.747+/-0.048 χ^2/NDF : 4787169.9/23

Left In: 256.974+/-0.102 χ^2/NDF : 143940.7/3

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.048 $\pm$ 0.000 χ^2 /NDF: 3172375723.5/4

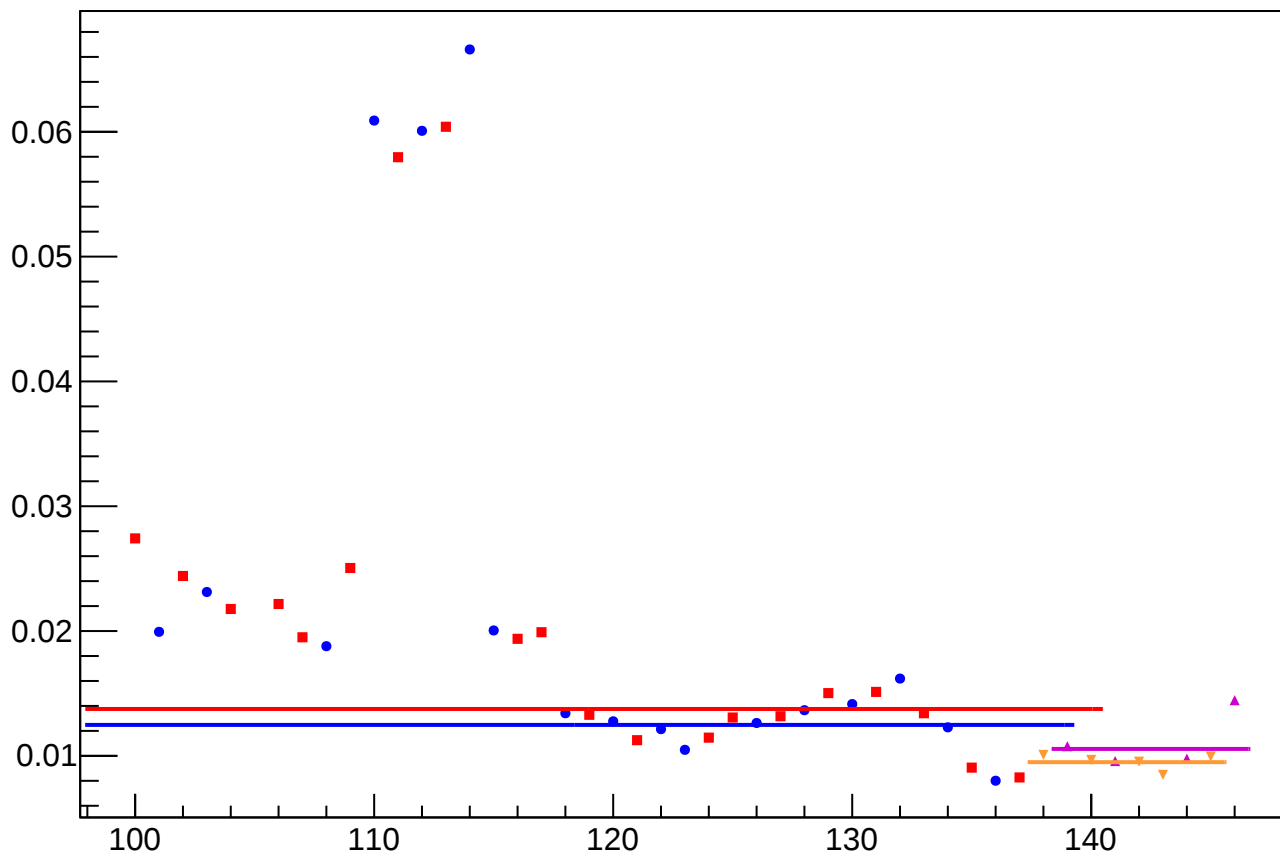
15.346 $\pm$ 0.000 χ^2 /NDF: 15291805417.3/21

Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

15.474 $\pm$ 0.000 χ^2 /NDF: 9910745129.3/23

Left In: 15.210 $\pm$ 0.000 χ^2 /NDF: 831501156.9/3

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 2152911.4/16

Left Out: 0.009+/-0.000 χ^2/NDF :25747.9/4

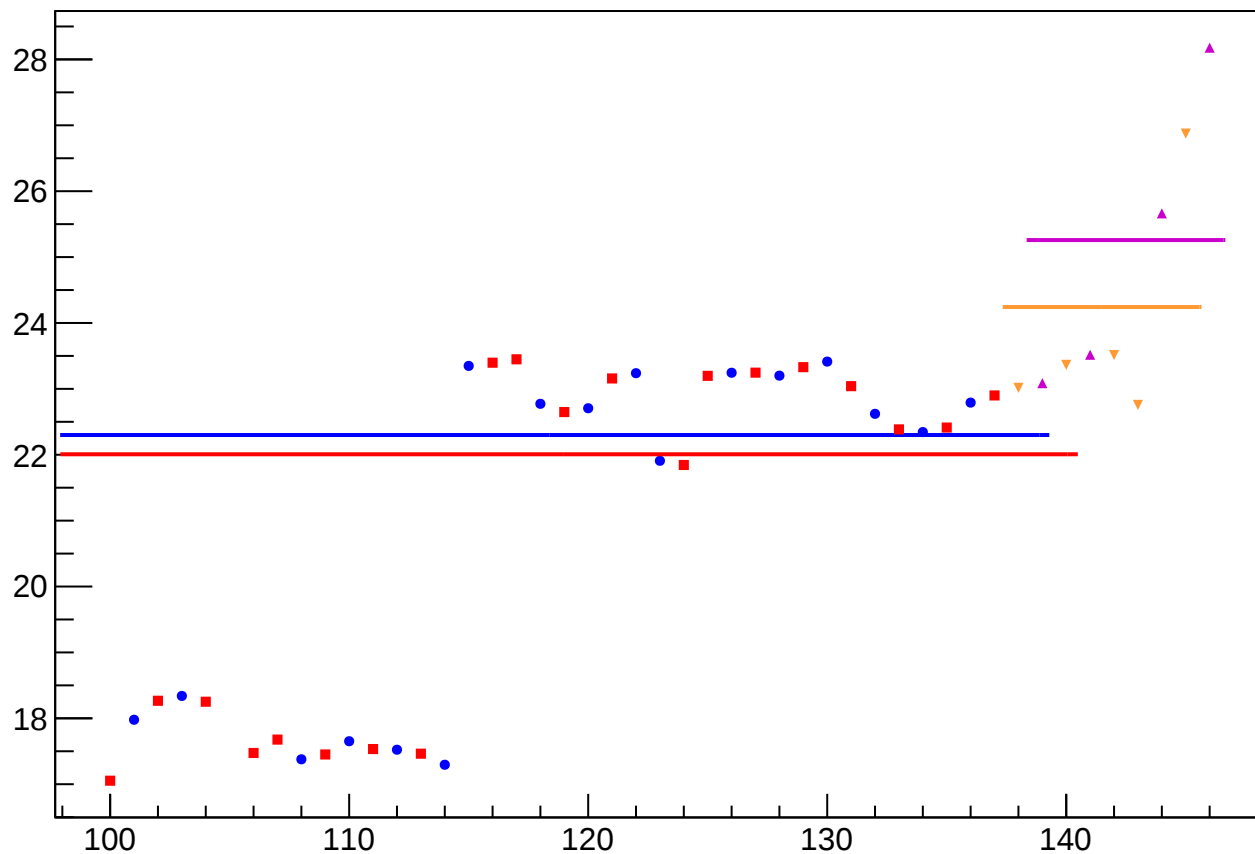
Right Out: 0.014+/-0.000 χ^2/NDF : 2084935.7/19

Left In: 0.011+/-0.000 χ^2/NDF :133944.7/3

0.011+/-0.000 χ^2/NDF : 2481167.8/21

0.012+/-0.000 χ^2/NDF : 2504054.4/23

yield_sam2_mean vs Slug



Right In: 22.300 ± 0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.242 ± 0.000 χ^2/NDF : 779086220.2/4

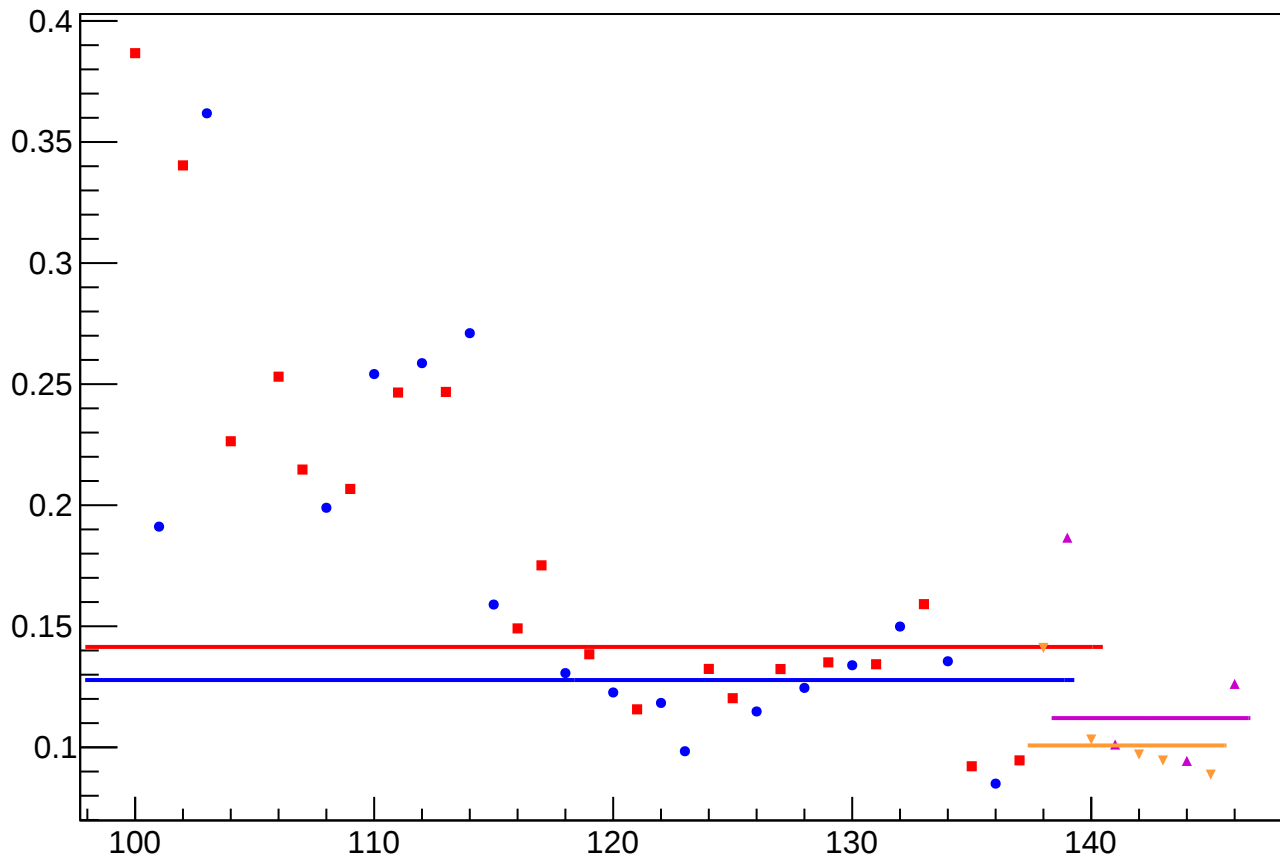
Right Out: 22.007 ± 0.000 χ^2/NDF : 1068683102.9/19

Left In: 25.258 ± 0.000 χ^2/NDF : 683588822.6/3

23.191 ± 0.000 χ^2/NDF : 2253661351.1/21

23.416 ± 0.000 χ^2/NDF : 3020827952.4/23

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.101+/-0.000 χ^2/NDF :133132.0/4

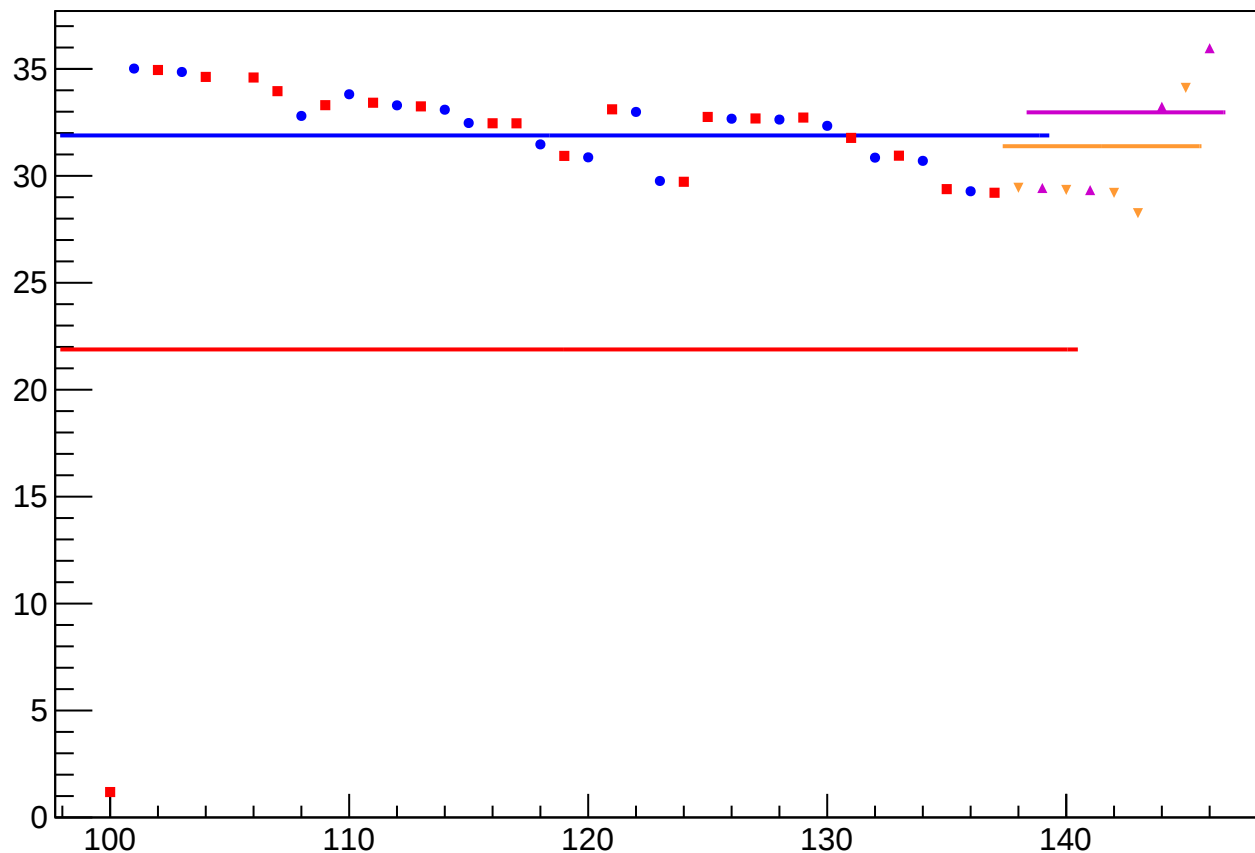
Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

Left In: 0.112+/-0.000 χ^2/NDF :313938.5/3

0.115+/-0.000 χ^2/NDF : 1832611.6/21

0.129+/-0.000 χ^2/NDF : 1973525.6/23

yield_sam3_mean vs Slug



Right In: 31.889 ± 0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.386 ± 0.000 χ^2/NDF : 4102343123.7/4

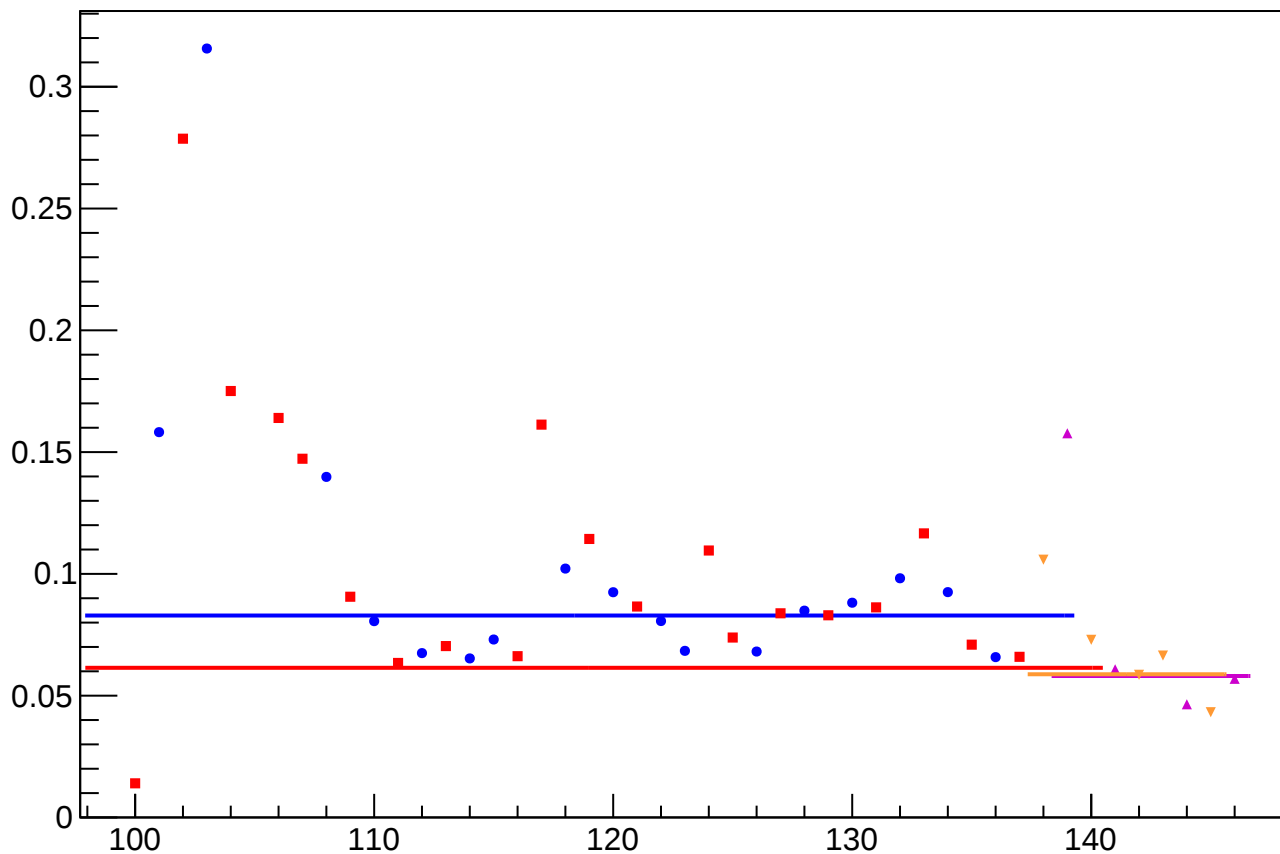
Right Out: 21.883 ± 0.000 χ^2/NDF : 230247118310.5/19

Left In: 32.969 ± 0.000 χ^2/NDF : 4017979629.3/3

31.656 ± 0.000 χ^2/NDF : 6116441362.7/21

25.993 ± 0.000 χ^2/NDF : 282840252453.7/23

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.059+/-0.000 χ^2/NDF : 412706.7/4

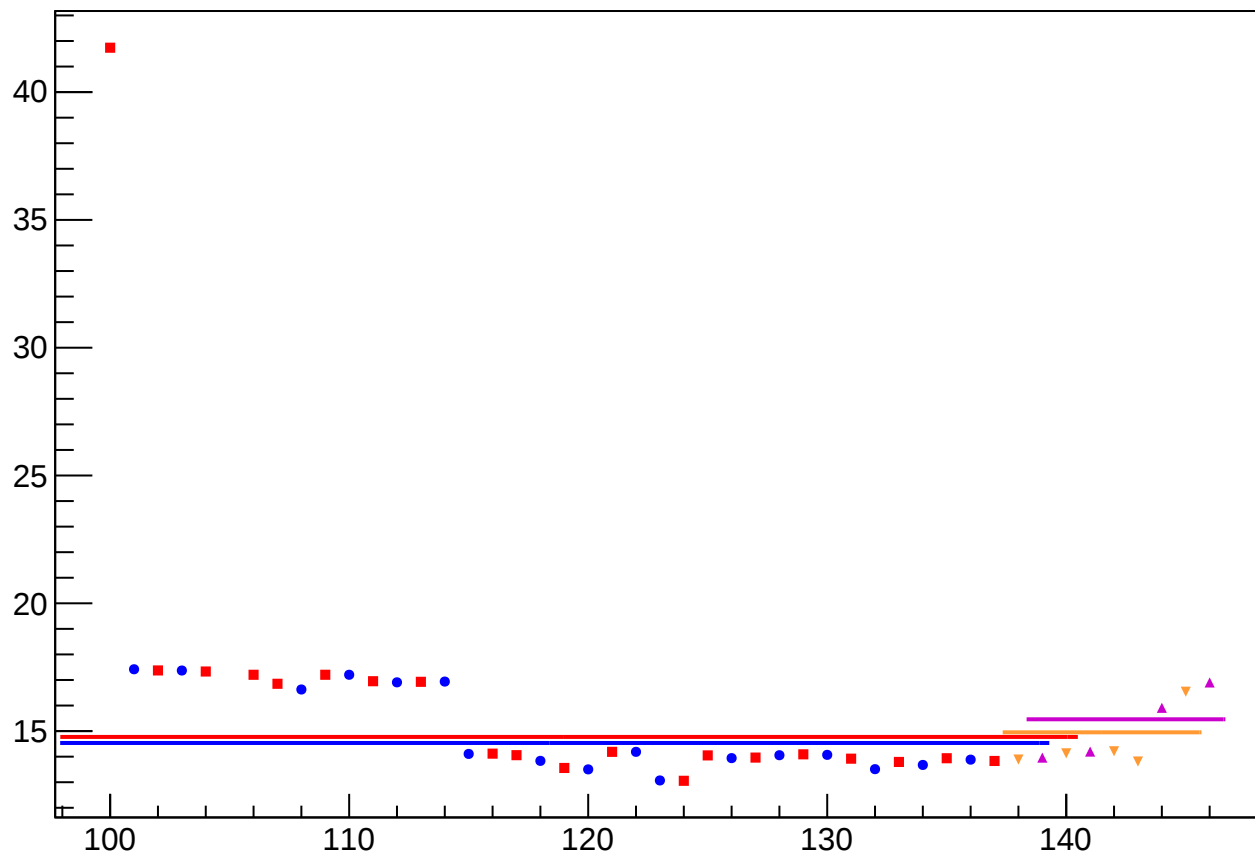
Right Out: 0.061+/-0.000 χ^2/NDF : 3635656.2/19

Left In: 0.058+/-0.000 χ^2/NDF : 645978.4/3

0.072+/-0.000 χ^2/NDF : 1961619.2/21

0.060+/-0.000 χ^2/NDF : 4290597.8/23

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.952+/-0.000 χ^2/NDF : 938288565.9/4

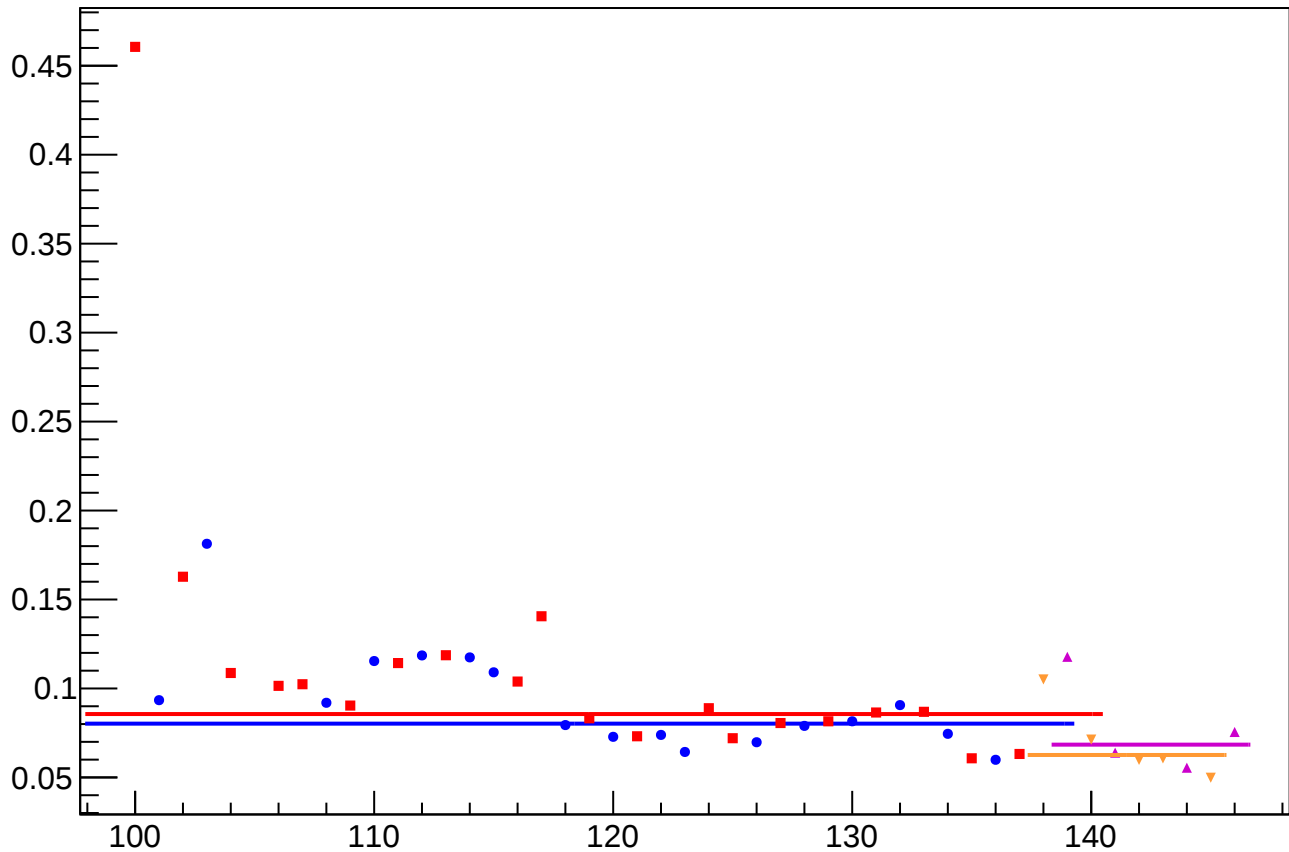
Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

Left In: 15.462+/-0.000 χ^2/NDF : 645443941.8/3

14.709+/-0.000 χ^2/NDF : 2470850754.7/21

15.045+/-0.000 χ^2/NDF : 2685199351.3/23

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.063+/-0.000 χ^2/NDF : 303683.5/4

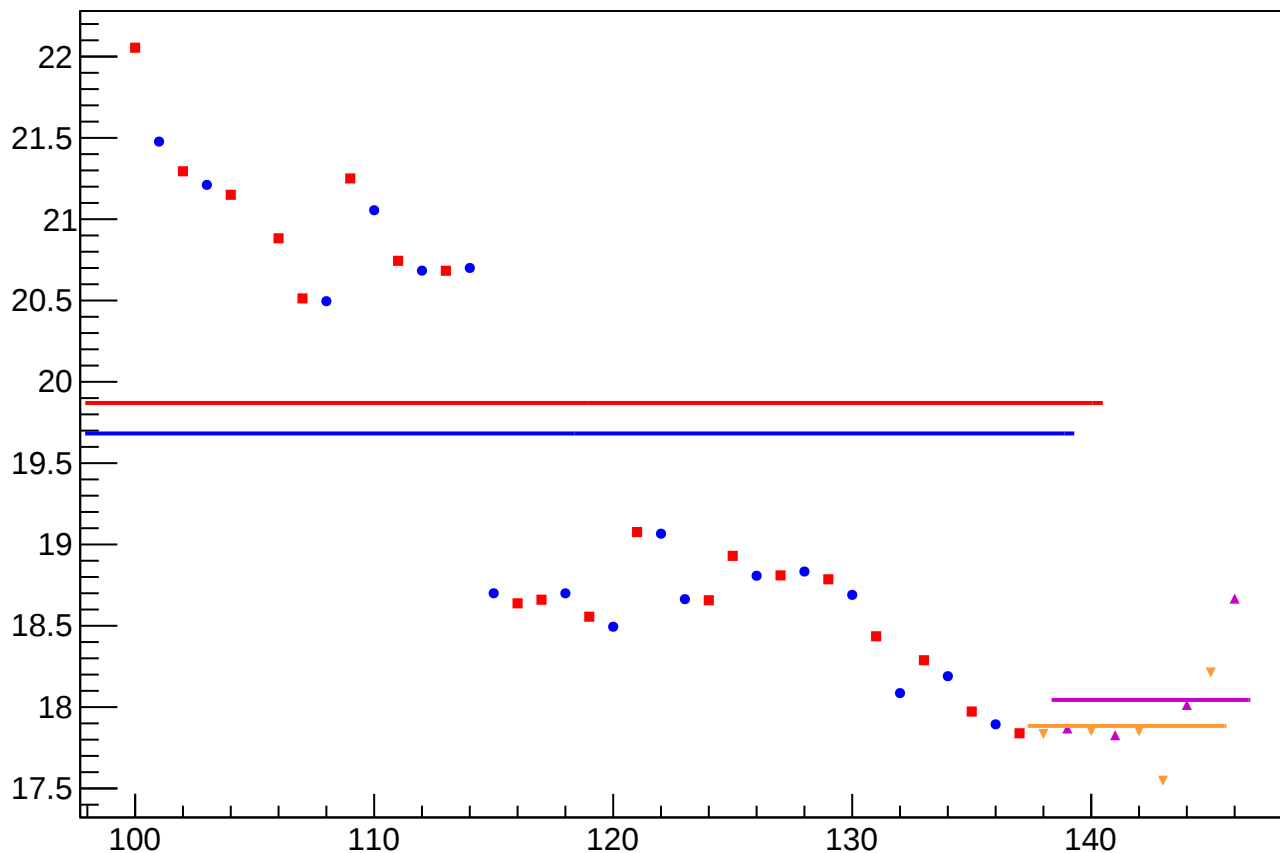
Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

Left In: 0.068+/-0.000 χ^2/NDF : 336175.5/3

0.073+/-0.000 χ^2/NDF : 1304589.2/21

0.079+/-0.000 χ^2/NDF : 1275385.1/23

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.884+/-0.000 χ^2/NDF : 179288126.1/4

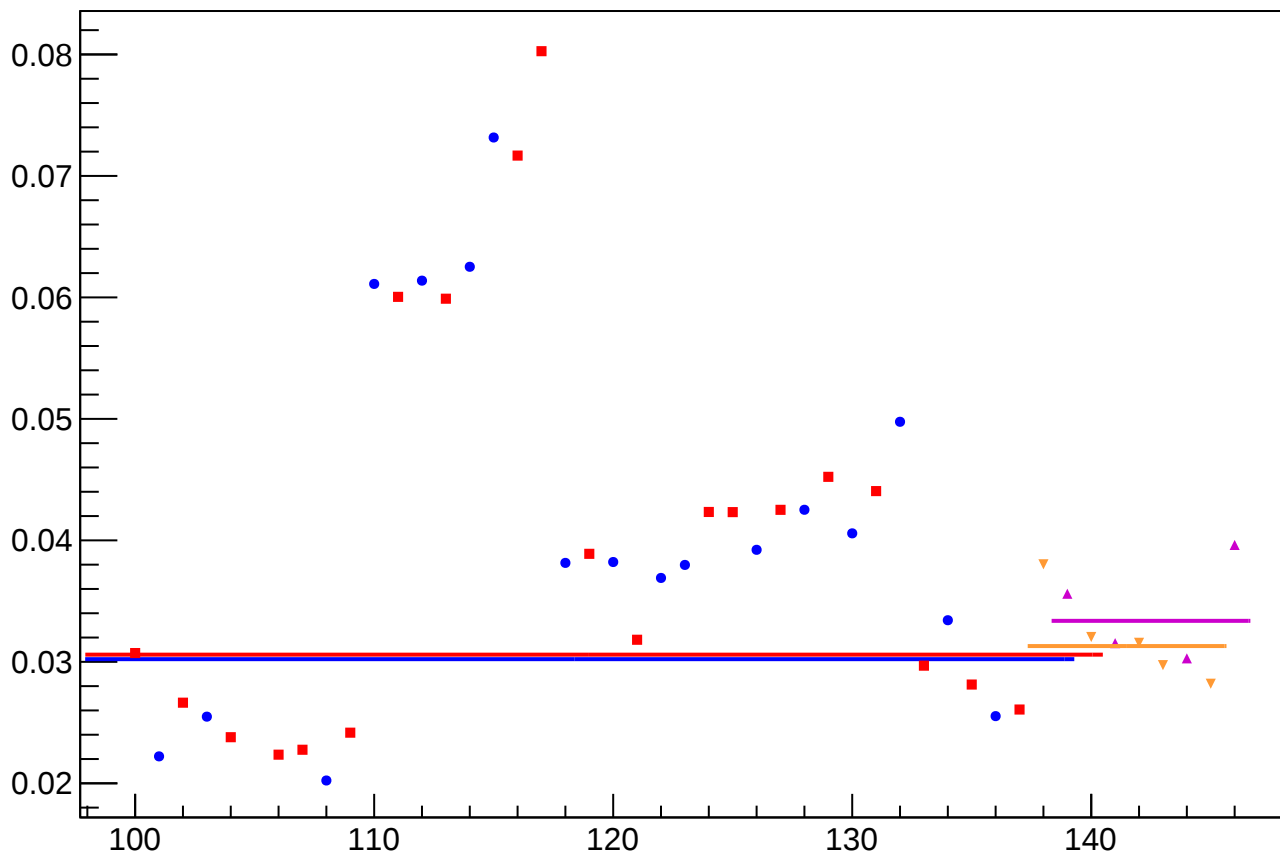
Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

Left In: 18.044+/-0.000 χ^2/NDF : 241600440.7/3

19.064+/-0.000 χ^2/NDF : 19252644519.8/21

19.321+/-0.000 χ^2/NDF : 17924315198.8/23

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.031+/-0.000 χ^2/NDF : 65392.2/4

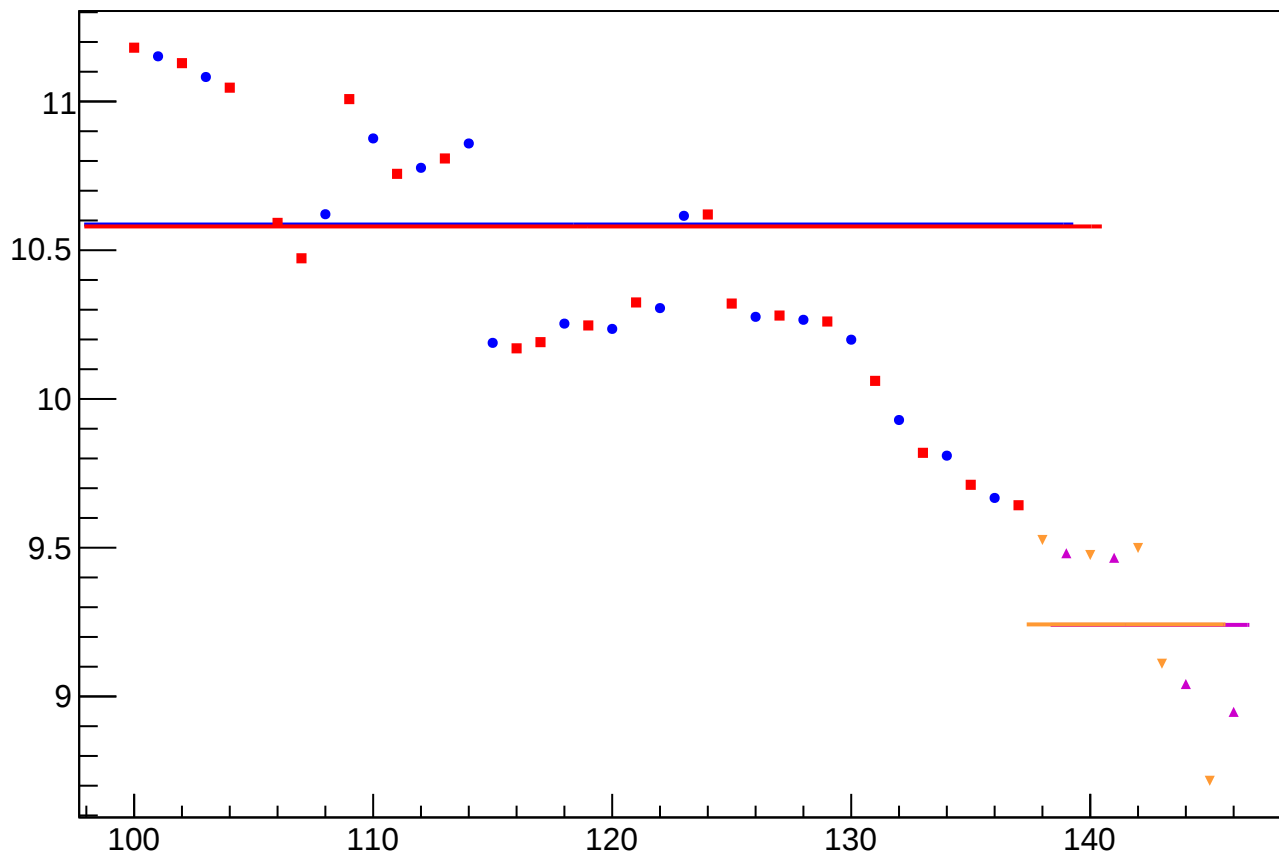
Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

Left In: 0.033+/-0.000 χ^2/NDF : 65292.7/3

0.031+/-0.000 χ^2/NDF : 1394801.3/21

0.031+/-0.000 χ^2/NDF : 1314015.1/23

yield_sam6_mean vs Slug



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.242+/-0.000 χ^2/NDF : 860565620.5/4

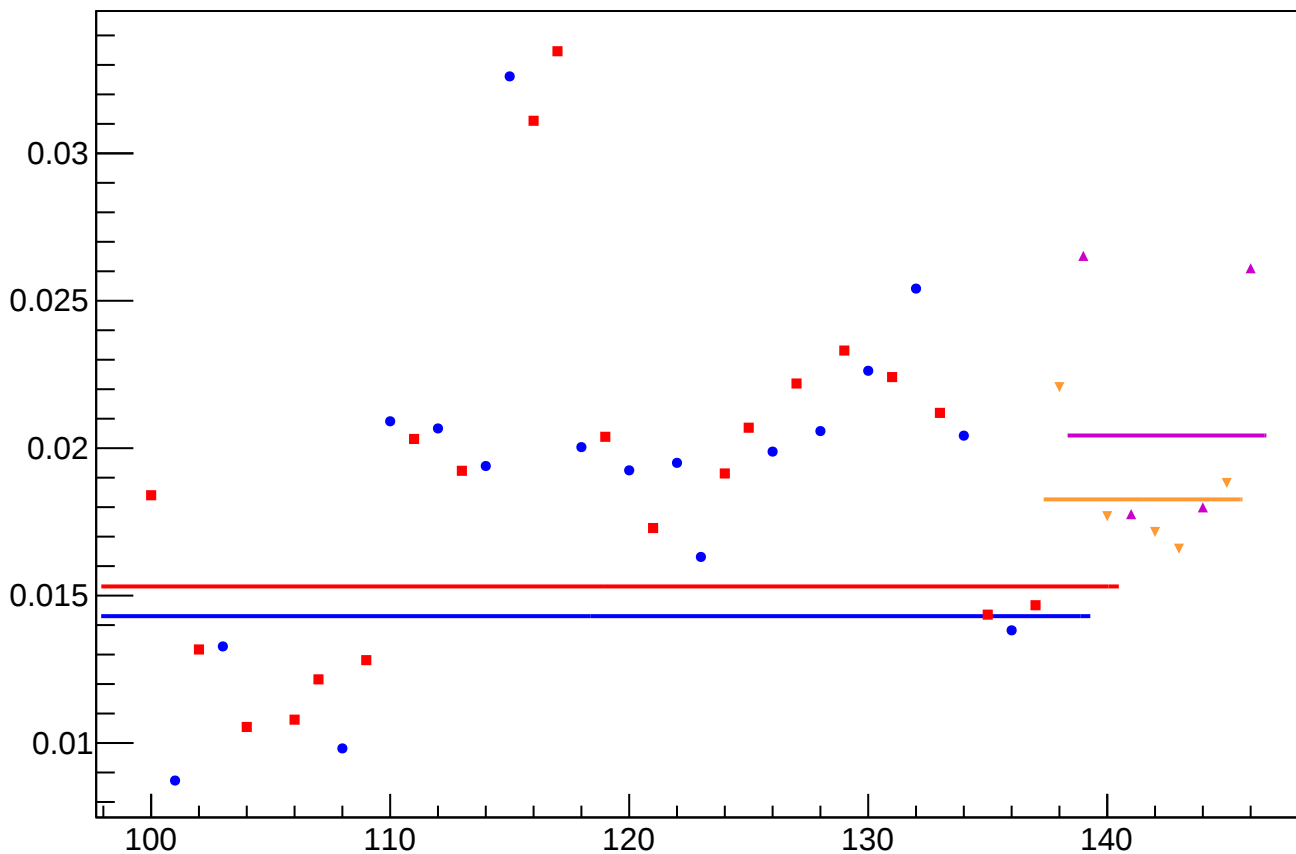
Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

Left In: 9.241+/-0.000 χ^2/NDF : 367717184.9/3

10.245+/-0.000 χ^2/NDF : 20228524992.0/21

10.293+/-0.000 χ^2/NDF : 15855618476.6/23

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.018+/-0.000 χ^2/NDF : 57738.4/4

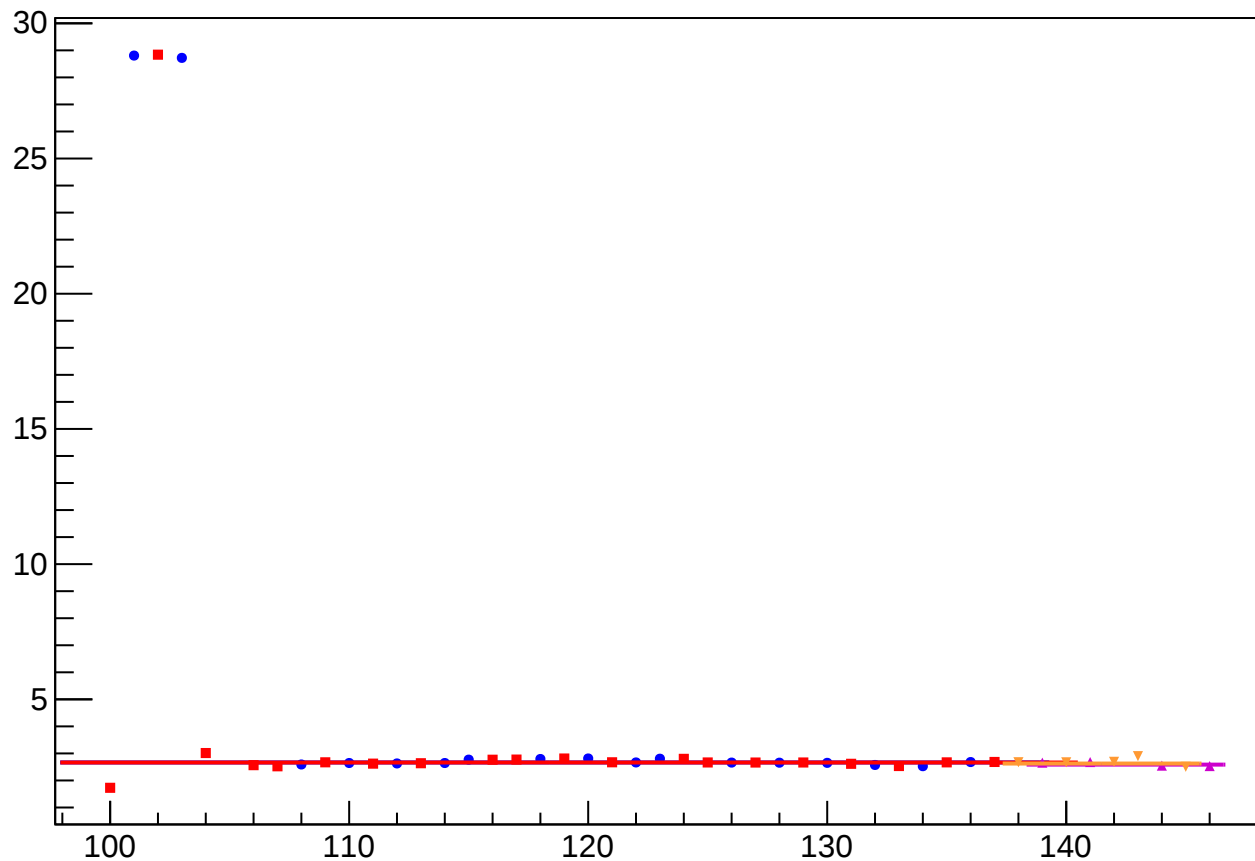
Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

Left In: 0.020+/-0.000 χ^2/NDF : 207188.3/3

0.015+/-0.000 χ^2/NDF : 1673145.2/21

0.016+/-0.000 χ^2/NDF : 1502670.8/23

yield_sam7_mean vs Slug



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.626+/-0.000 χ^2/NDF : 10827911798.1/4

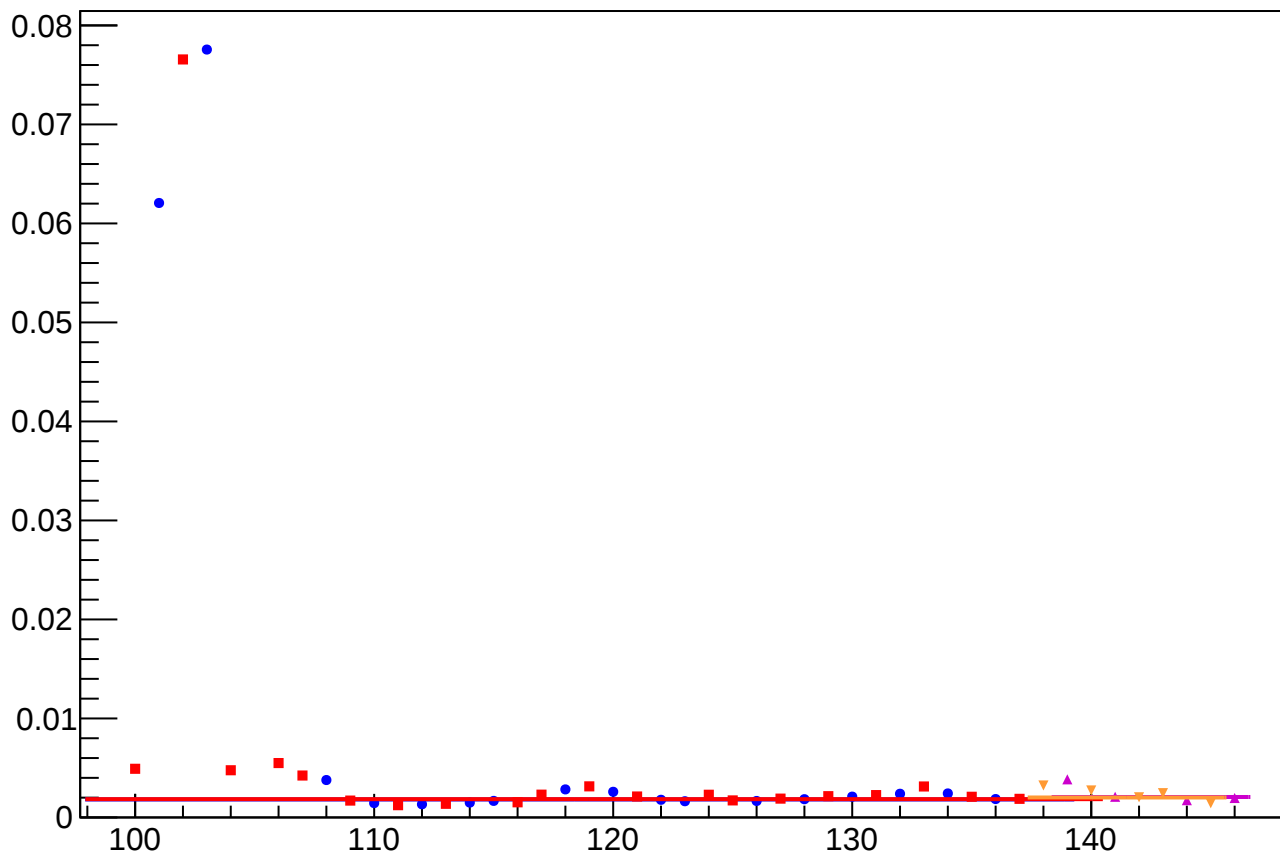
Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

Left In: 2.586+/-0.000 χ^2/NDF : 2374002104.1/3

2.654+/-0.000 χ^2/NDF : 174661755841.1/21

2.641+/-0.000 χ^2/NDF : 75381477826.0/23

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF :479128.4/4

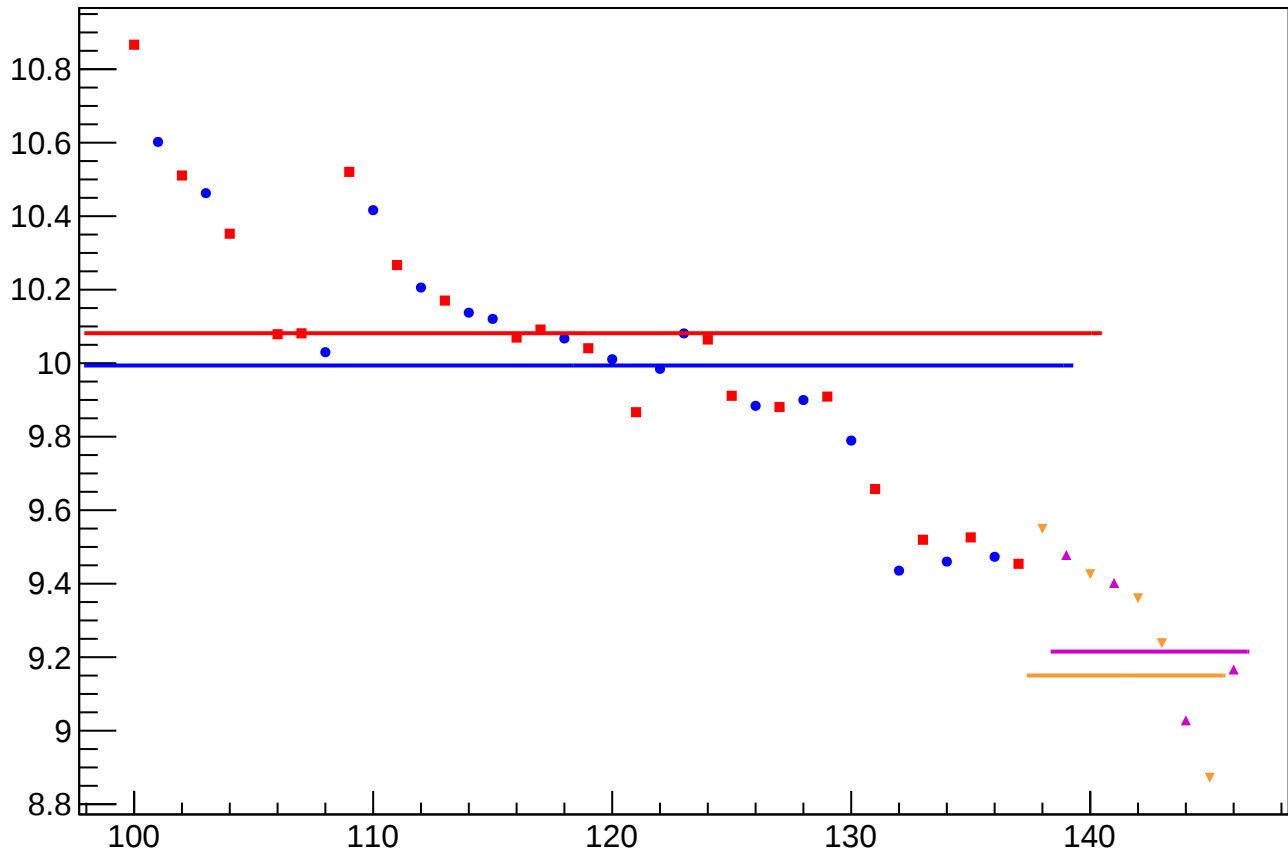
Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

Left In: 0.002+/-0.000 χ^2/NDF :348974.0/3

0.002+/-0.000 χ^2/NDF : 3172832.6/21

0.002+/-0.000 χ^2/NDF : 2722368.2/23

yield_sam8_mean vs Slug



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.150+/-0.000 χ^2/NDF : 4358937462.1/4

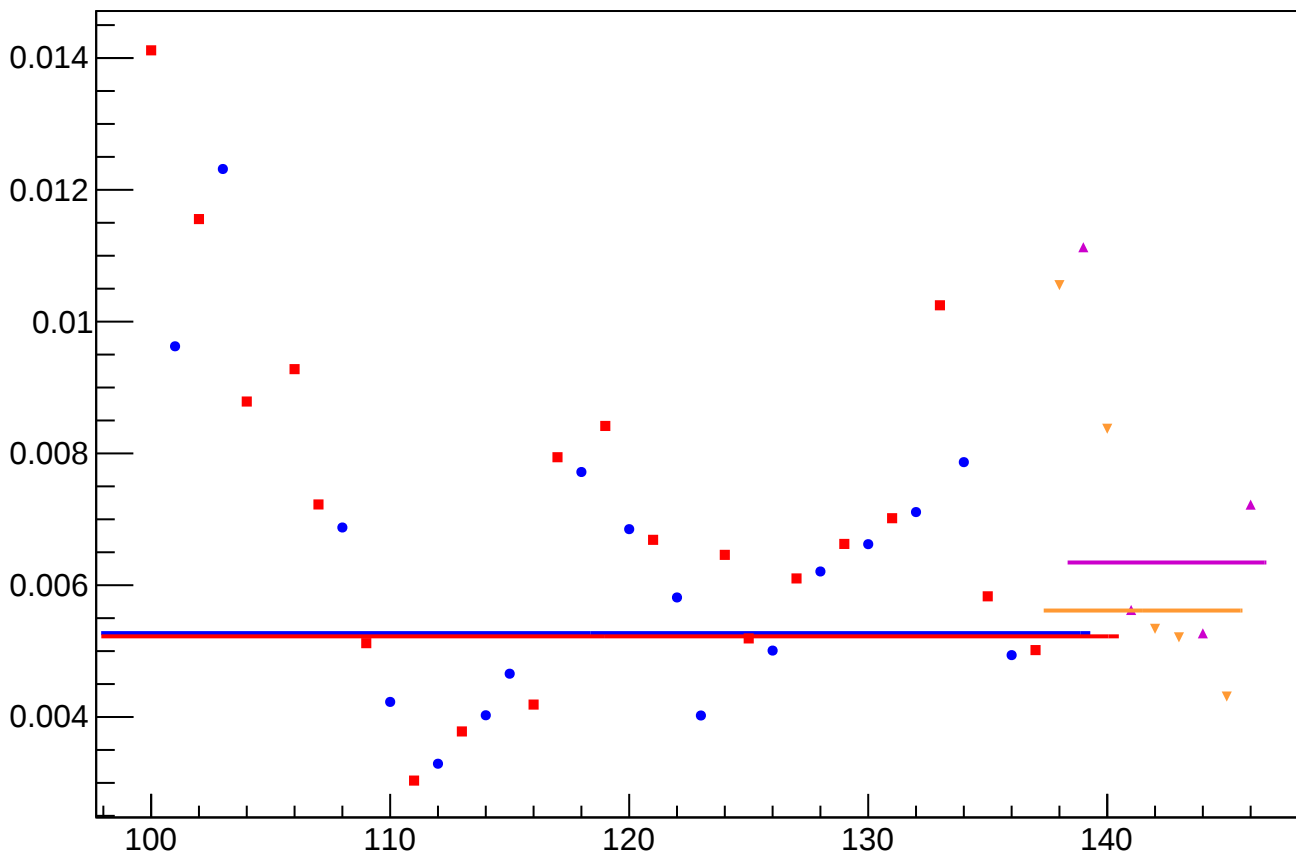
9.754+/-0.000 χ^2/NDF : 59703302839.5/21

Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

9.877+/-0.000 χ^2/NDF : 51483045919.9/23

Left In: 9.215+/-0.000 χ^2/NDF : 1846850764.1/3

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 :493522.0/4

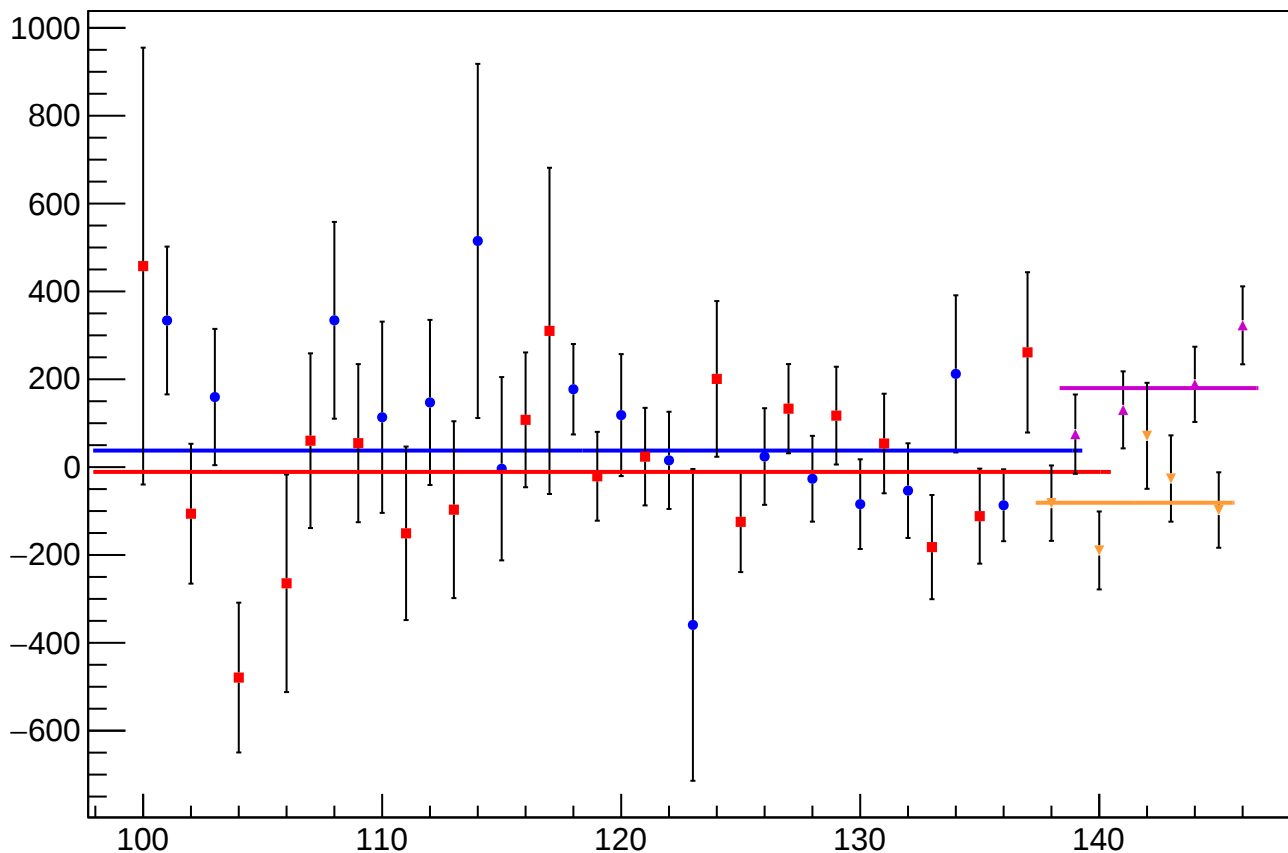
Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

Left In: 0.006+/-0.000 χ^2/NDF :342996.8/3

0.005+/-0.000 χ^2/NDF : 1751146.6/21

0.005+/-0.000 χ^2/NDF : 2124756.1/23

reg_asym_sam1_mean vs Slug



Right In: 37.694 ± 32.253 χ^2/NDF : 16.7/16

Left Out: -81.072 ± 41.863 χ^2/NDF : 3.4/4

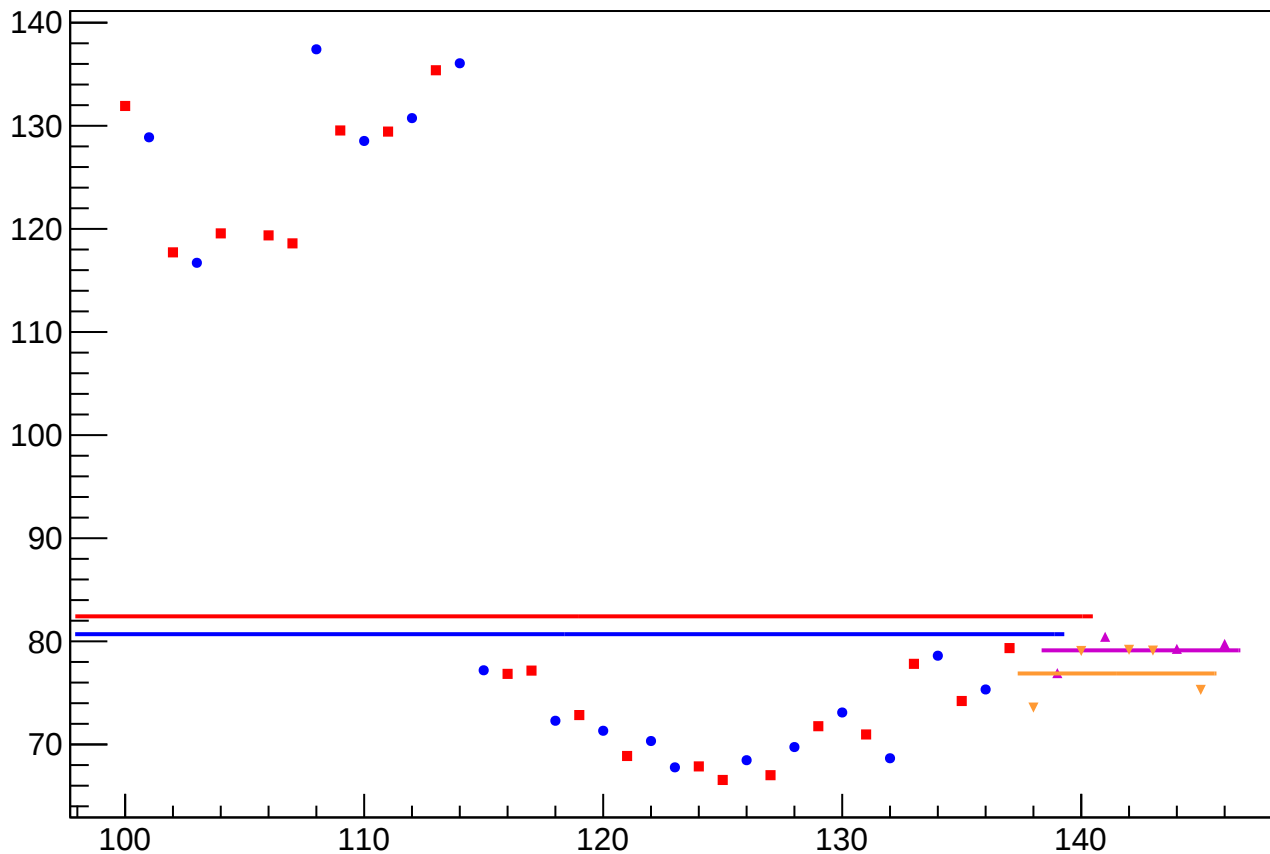
Right Out: -10.884 ± 31.947 χ^2/NDF : 23.5/19

Left In: 179.924 ± 44.018 χ^2/NDF : 4.3/3

-6.545 ± 25.550 χ^2/NDF : 25.2/21

54.947 ± 25.855 χ^2/NDF : 40.1/23

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 76.883 $\pm$ 0.030 χ^2 /NDF:6613.0/4

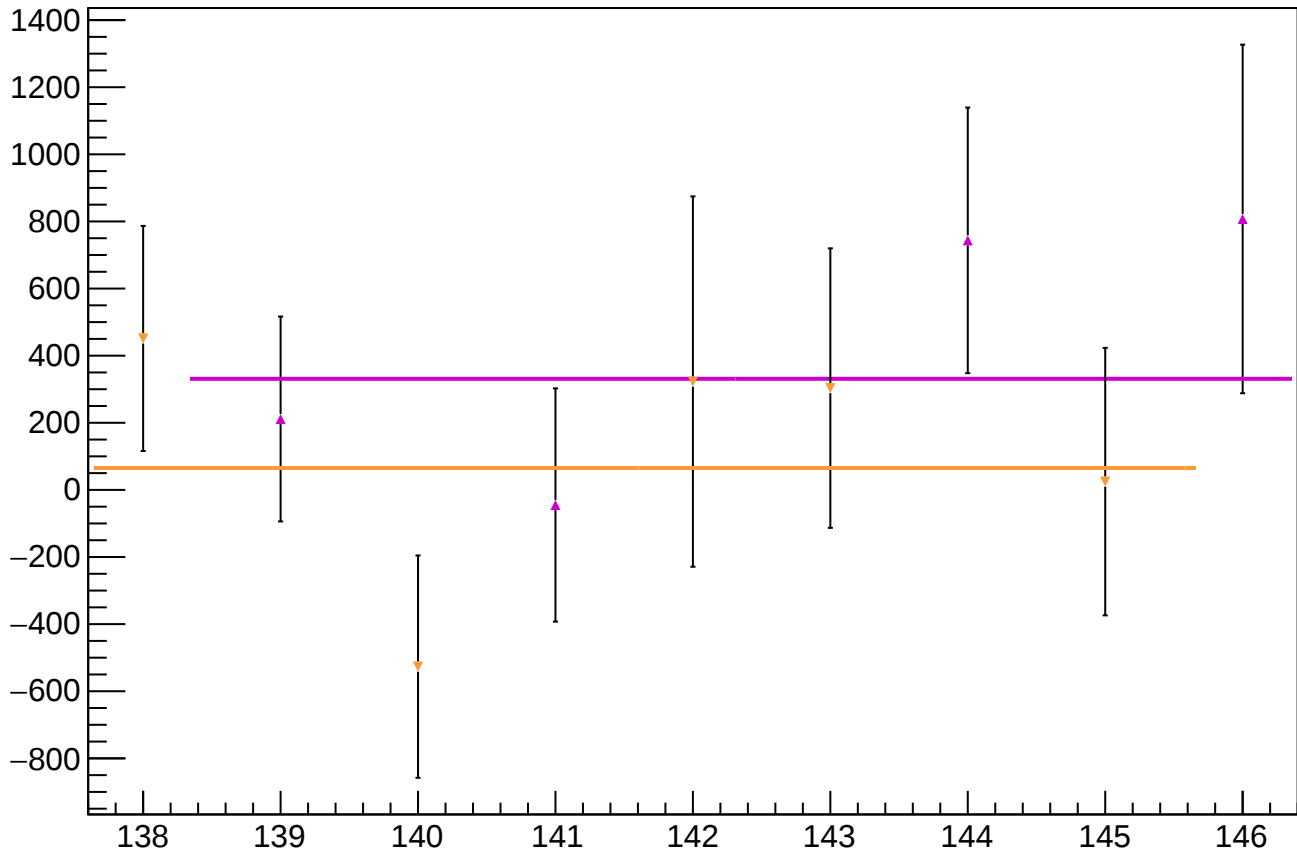
Right Out: 82.424 $\pm$ 0.023 χ^2 /NDF: 915282.5/19

Left In: 79.126 $\pm$ 0.031 χ^2 /NDF:1750.2/3

79.275 $\pm$ 0.018 χ^2 /NDF: 831042.5/21

81.286 $\pm$ 0.018 χ^2 /NDF: 924387.5/23

asym_sam1_correction_mean vs Slug



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

Left Out: 65.302+/-173.170 χ^2/NDF : 5.1/4

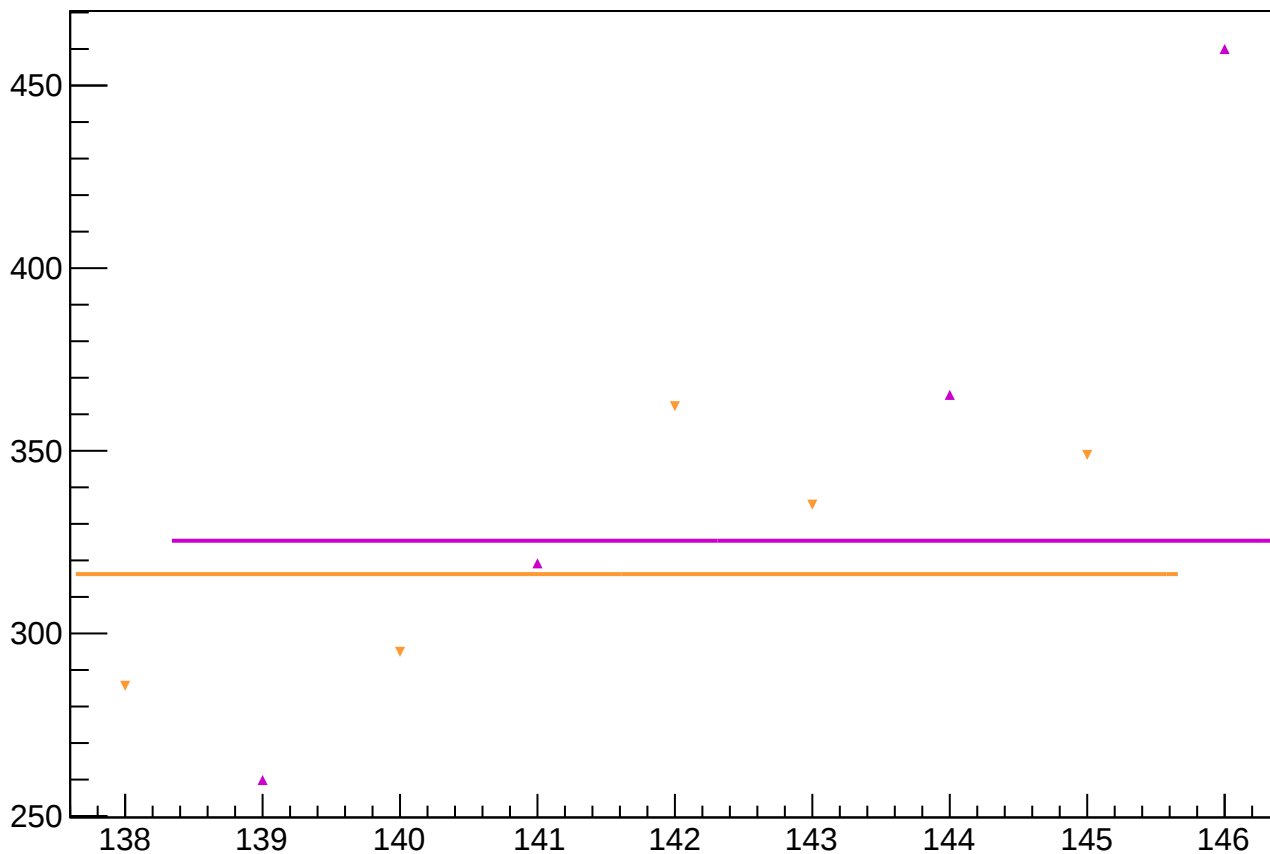
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 331.107+/-185.380 χ^2/NDF : 3.3/3

65.302+/-173.170 χ^2/NDF : 5.1/4

331.107+/-185.380 χ^2/NDF : 3.3/3

asym_sam1_correction_rms vs Slug



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

Left Out: 316.250+/-0.122 χ^2/NDF : 56318.2/4

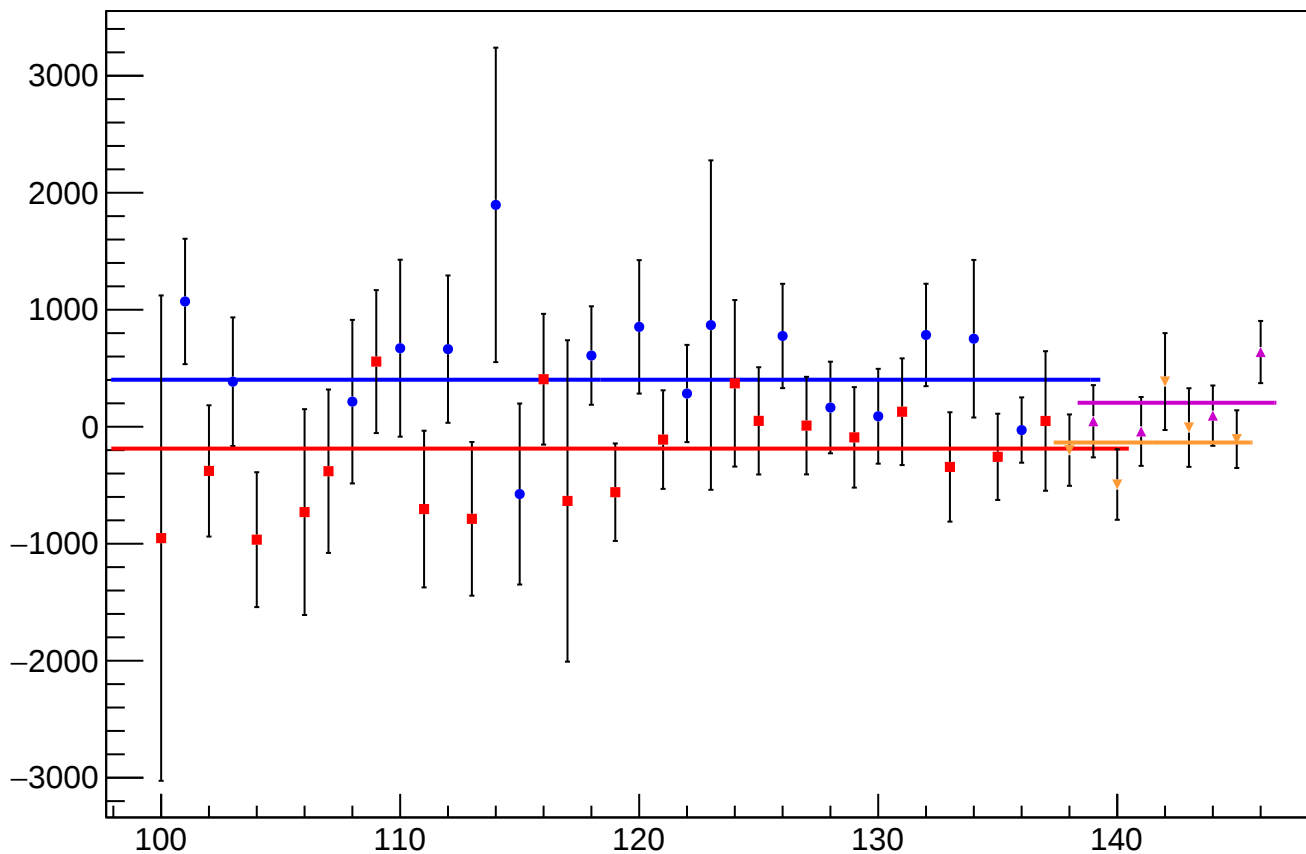
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 325.382+/-0.131 χ^2/NDF : 247388.6/3

316.250+/-0.122 χ^2/NDF : 56318.2/4

325.382+/-0.131 χ^2/NDF : 247388.6/3

reg_asym_sam2_mean vs Slug



Right In: 401.871 ± 121.048 χ^2/NDF : 10.9/16

Left Out: -134.914 ± 137.513 χ^2/NDF : 3.2/4

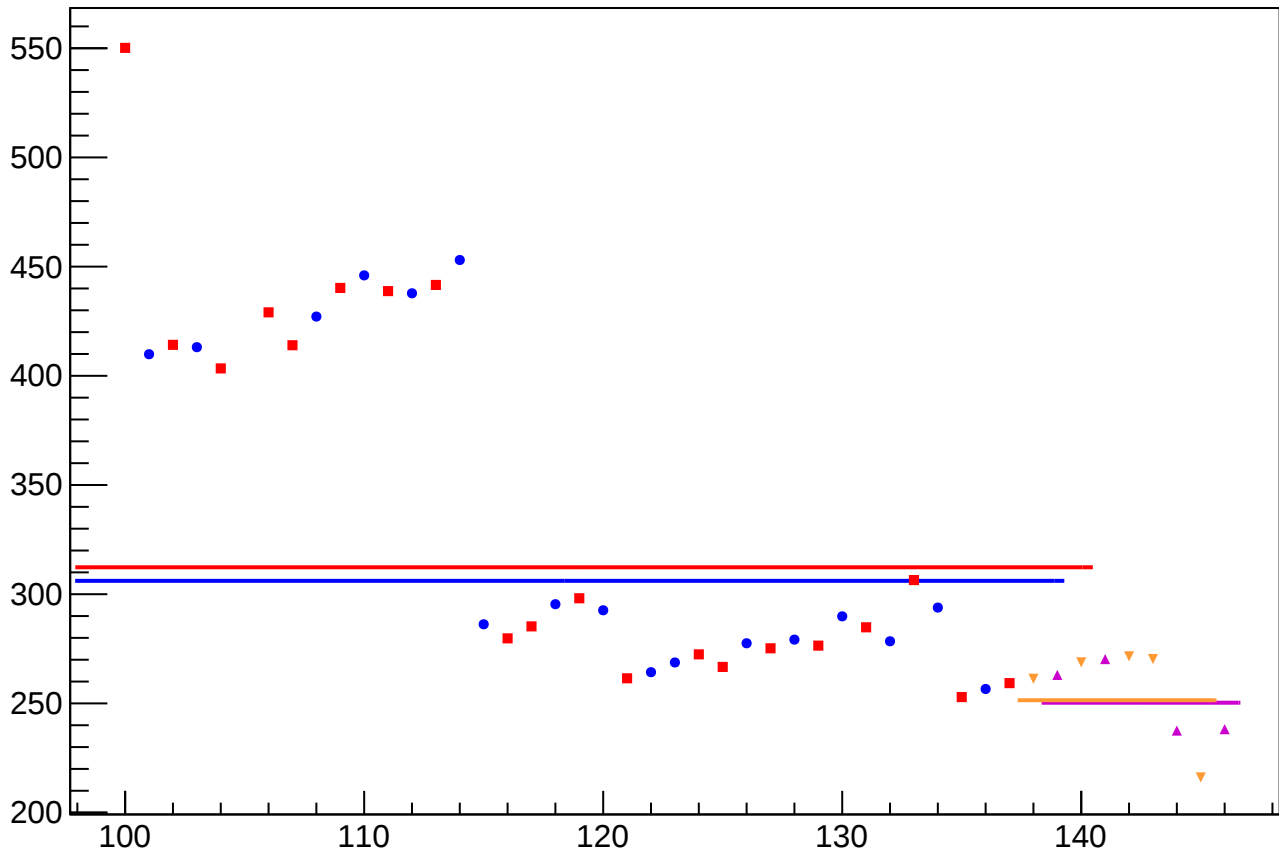
Right Out: -186.914 ± 119.879 χ^2/NDF : 9.4/19

Left In: 204.878 ± 139.692 χ^2/NDF : 3.8/3

167.523 ± 90.860 χ^2/NDF : 22.7/21

-20.751 ± 90.973 χ^2/NDF : 17.8/23

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 251.456+/-0.097 χ^2/NDF : 60795.6/4

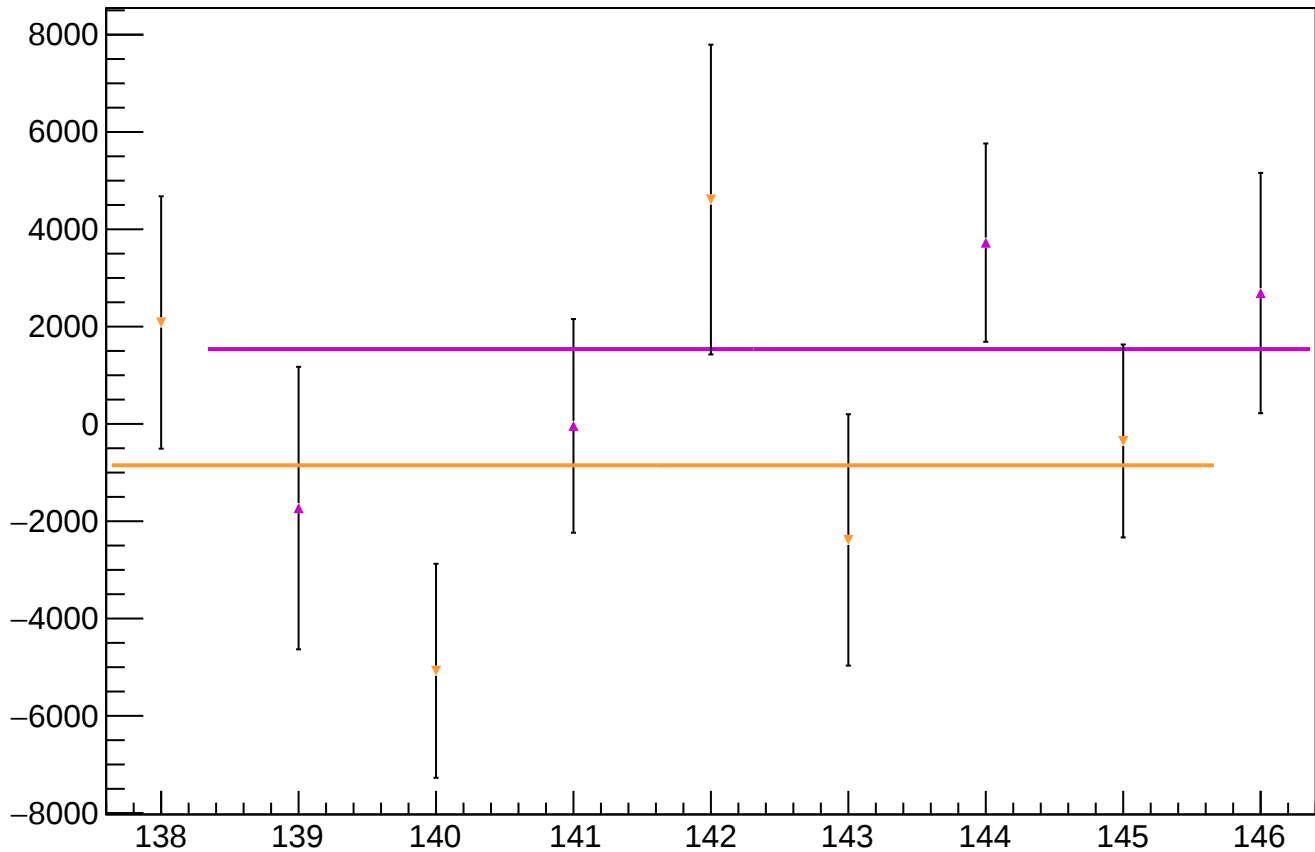
Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

Left In: 250.319+/-0.099 χ^2/NDF : 21671.8/3

282.257+/-0.064 χ^2/NDF : 747318.7/21

286.033+/-0.064 χ^2/NDF : 875225.3/23

asym_sam2_correction_mean vs Slug



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

Left Out: -850.781+/-1079.410 χ^2/NDF : 8.3/4

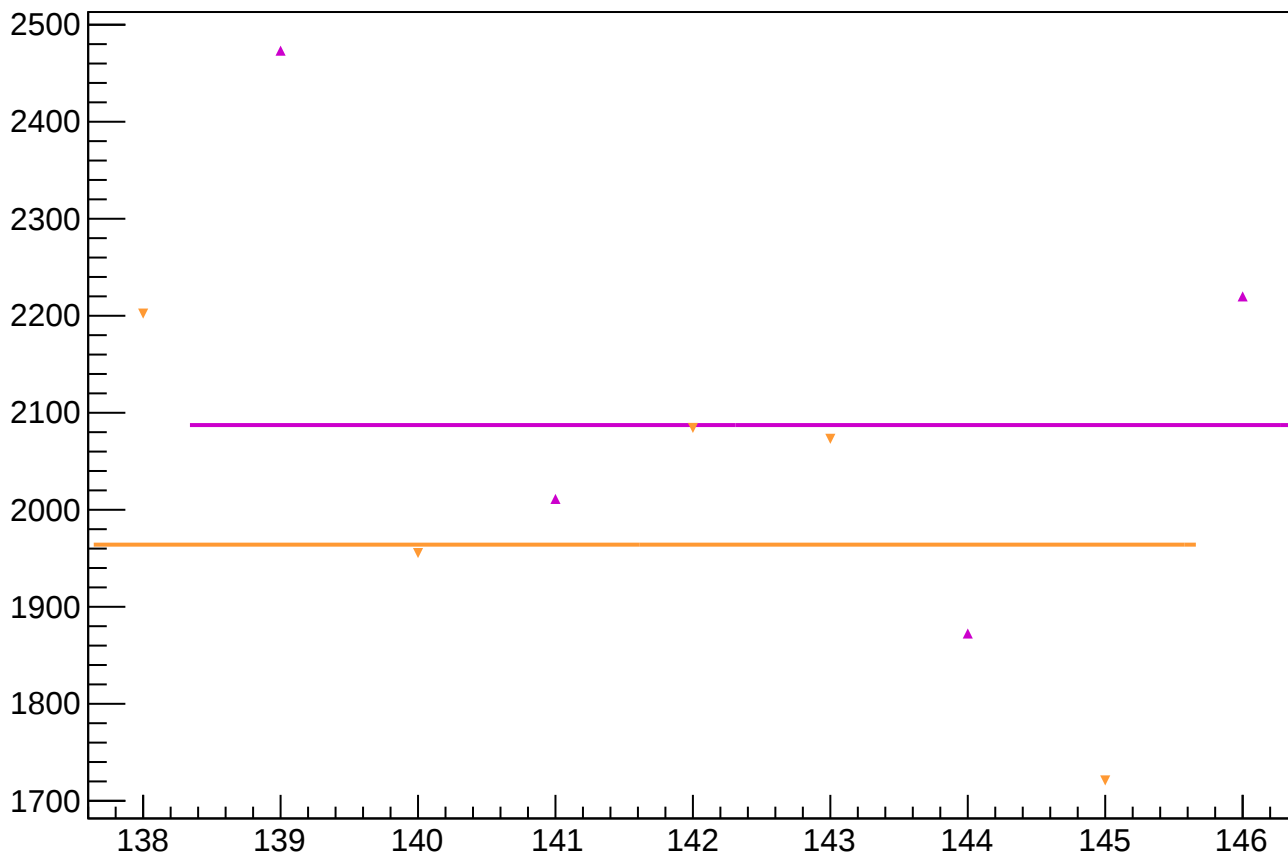
-850.781+/-1079.410 χ^2/NDF : 8.3/4

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

1538.739+/-1169.824 χ^2/NDF : 3.2/3

Left In: 1538.739+/-1169.824 χ^2/NDF : 3.2/3

asym_sam2_correction_rms vs Slug



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

Left Out: 1964.070+/-0.763 χ^2/NDF : 53371.1/4

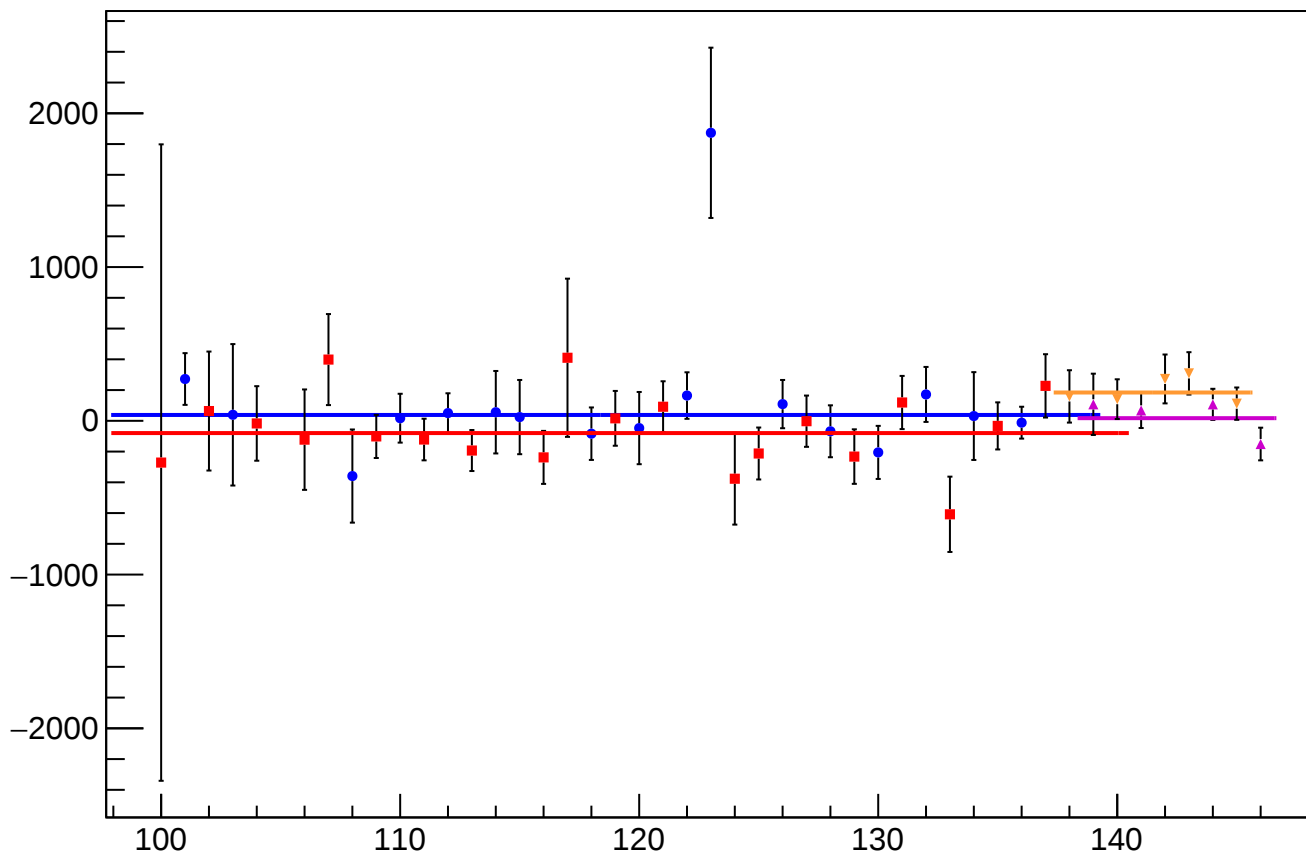
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2087.335+/-0.827 χ^2/NDF : 65739.1/3

1964.070+/-0.763 χ^2/NDF : 53371.1/4

2087.335+/-0.827 χ^2/NDF : 65739.1/3

reg_asym_sam3_mean vs Slug



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 184.166+/-60.078 χ^2/NDF : 1.7/4

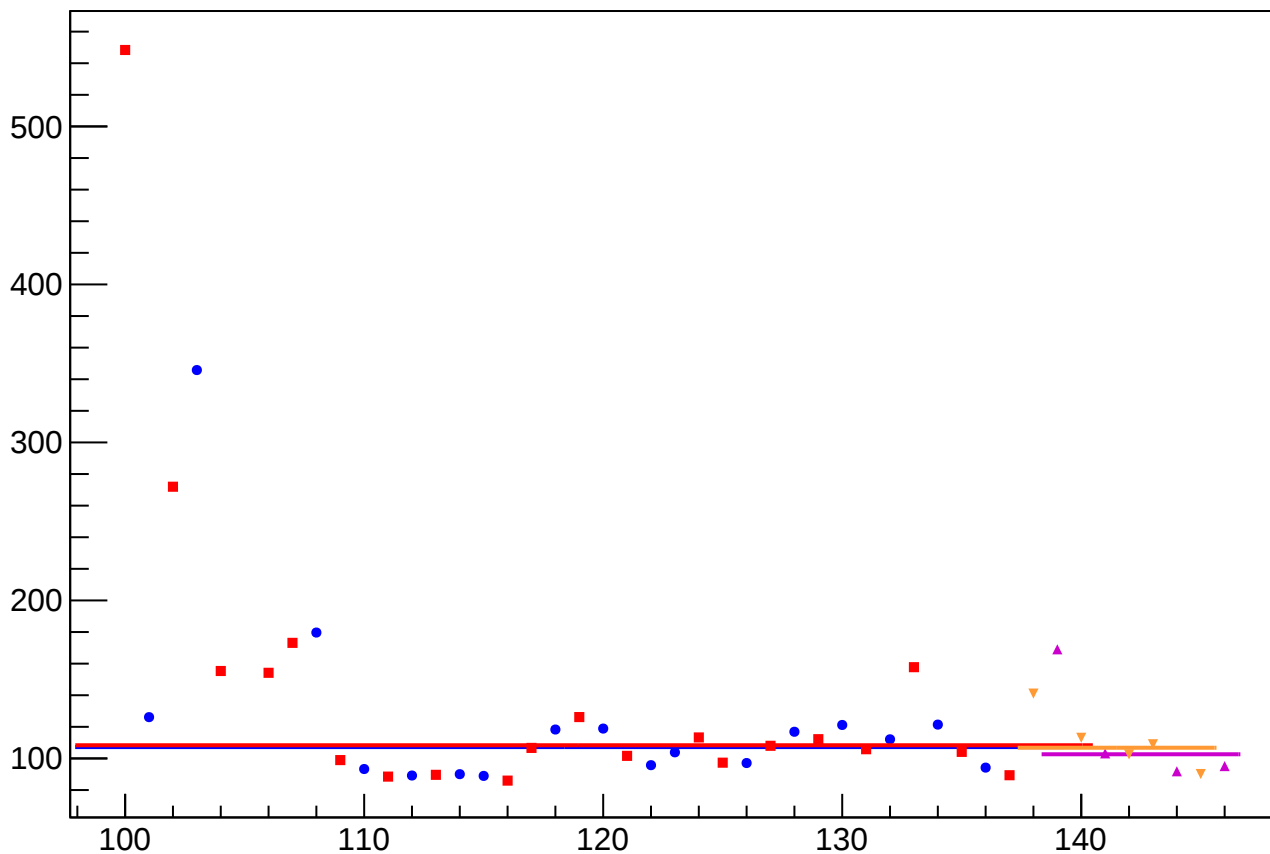
Right Out: -79.665+/-42.948 χ^2/NDF : 17.6/19

Left In: 17.245+/-58.921 χ^2/NDF : 3.7/3

88.428+/-35.259 χ^2/NDF : 25.0/21

-46.041+/-34.706 χ^2/NDF : 23.1/23

reg_asym_sam3_rms vs Slug



Right In: 107.189 ± 0.031 χ^2/NDF : 843115.1/16

Left Out: 106.775 ± 0.042 χ^2/NDF : 137762.5/4

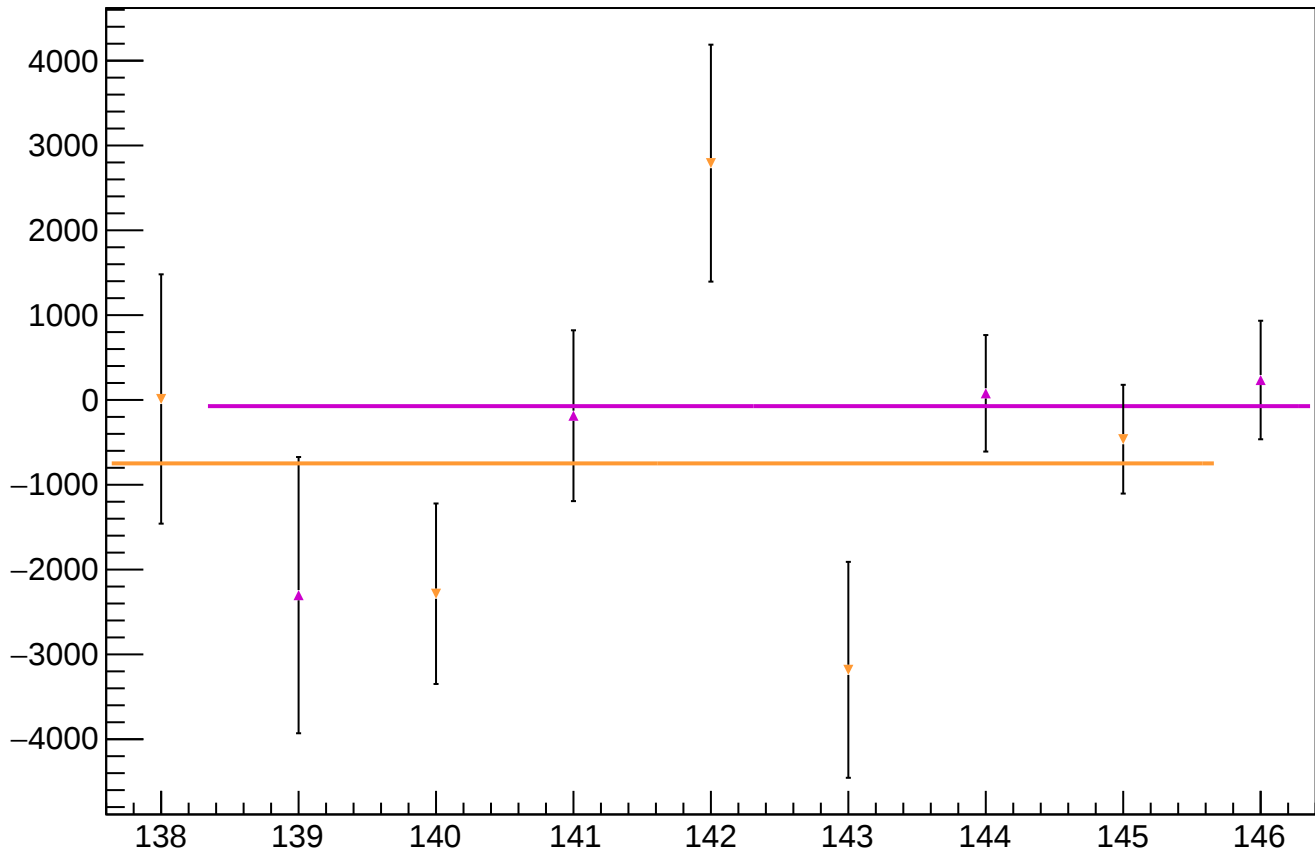
Right Out: 108.347 ± 0.030 χ^2/NDF : 917309.2/19

Left In: 102.638 ± 0.042 χ^2/NDF : 254938.0/3

107.046 ± 0.025 χ^2/NDF : 980939.8/21

106.366 ± 0.025 χ^2/NDF : 1184509.7/23

asym_sam3_correction_mean vs Slug



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

Left Out: -748.039+/-451.361 χ^2/NDF : 12.6/4

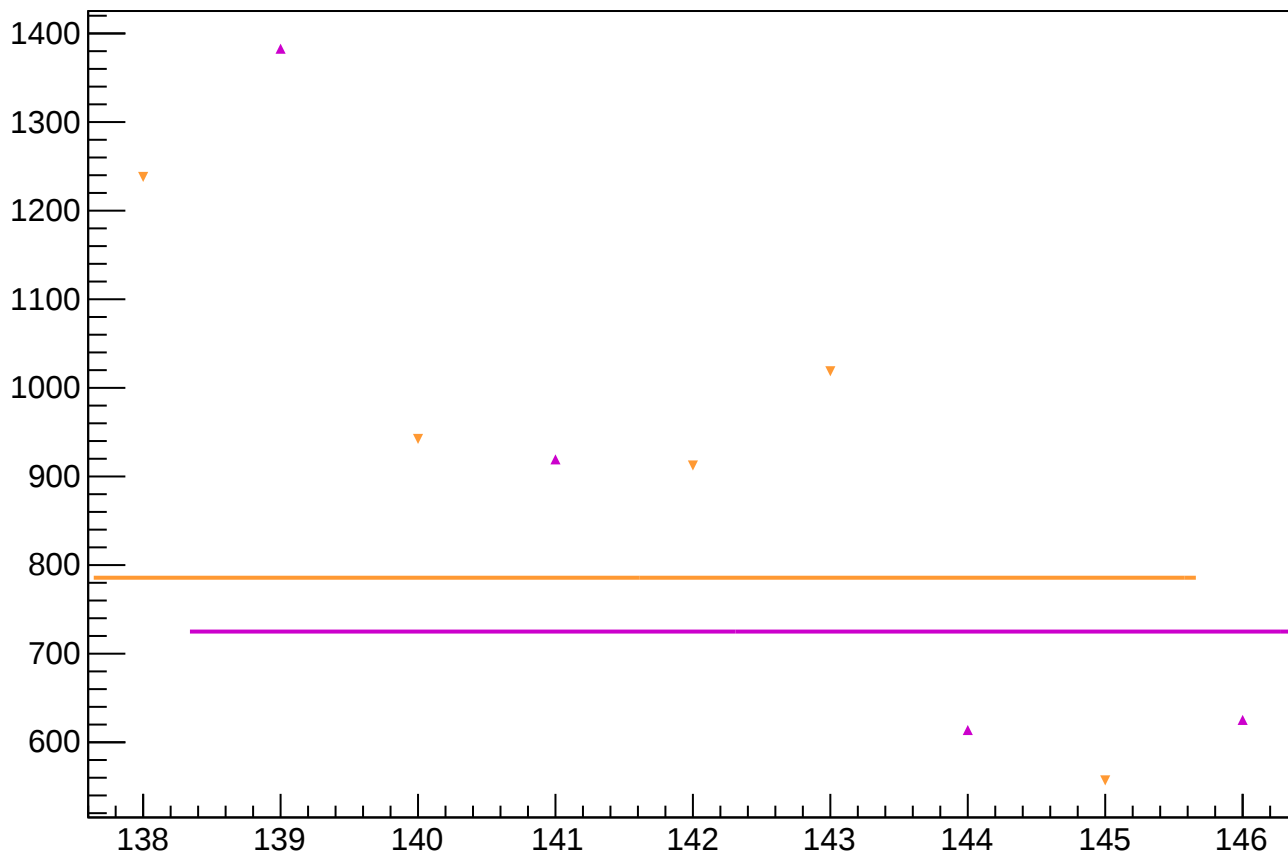
-748.039+/-451.361 χ^2/NDF : 12.6/4

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

-73.019+/-425.203 χ^2/NDF : 2.1/3

Left In: -73.019+/-425.203 χ^2/NDF : 2.1/3

asym_sam3_correction_rms vs Slug



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

Left Out: 785.731+/-0.319 χ^2/NDF : 570794.0/4

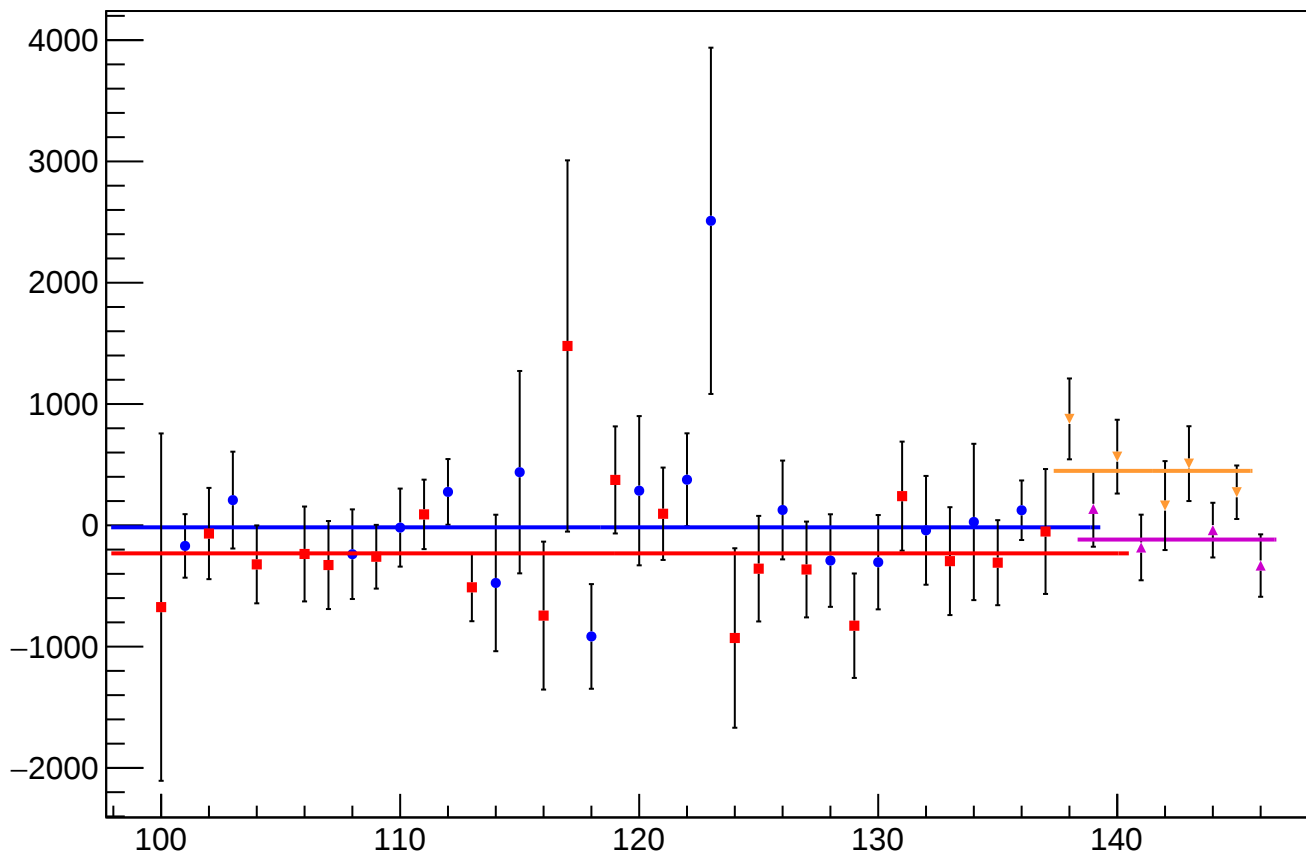
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 724.961+/-0.301 χ^2/NDF : 493895.7/3

785.731+/-0.319 χ^2/NDF : 570794.0/4

724.961+/-0.301 χ^2/NDF : 493895.7/3

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 448.935 ± 130.962 χ^2/NDF : 3.1/4

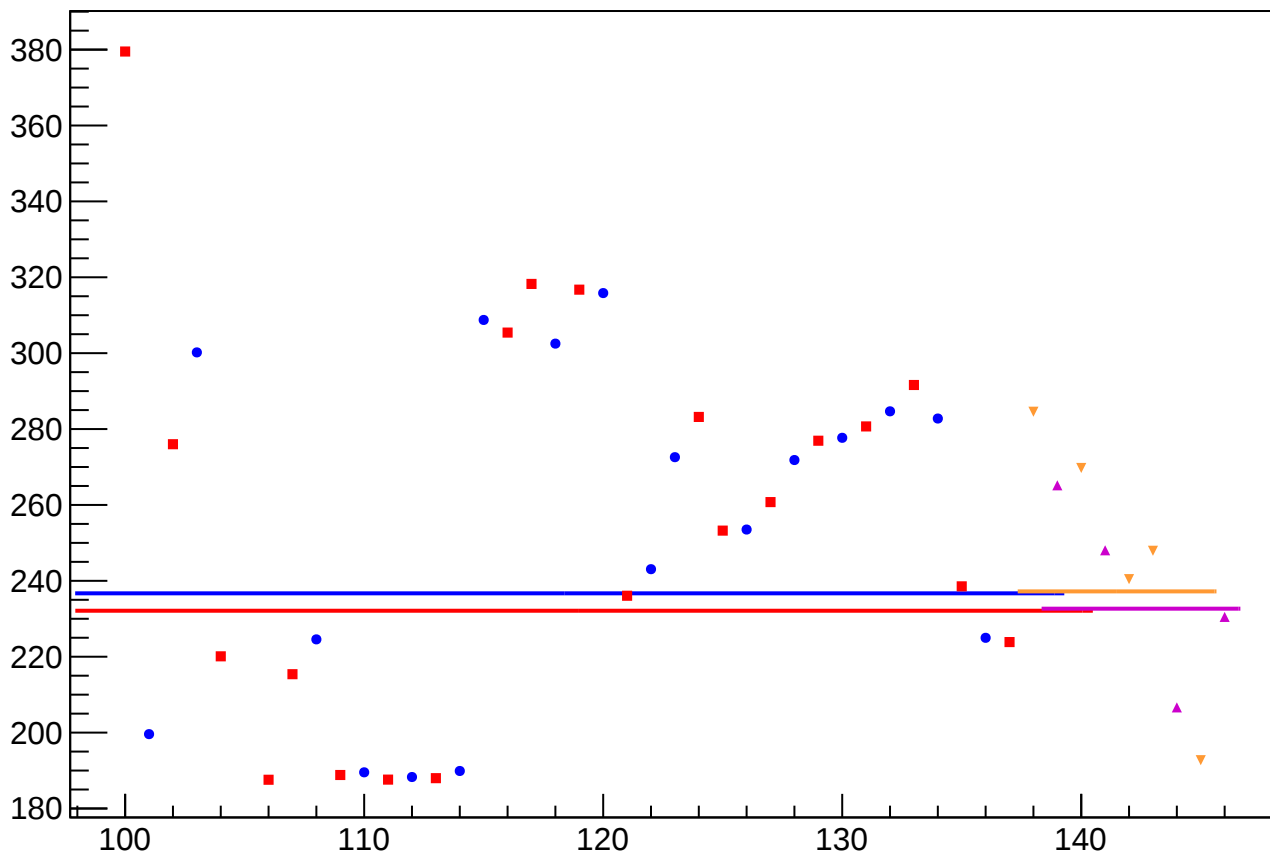
Right Out: -231.209 ± 88.787 χ^2/NDF : 11.6/19

Left In: -117.358 ± 130.502 χ^2/NDF : 1.5/3

140.190 ± 75.980 χ^2/NDF : 24.9/21

-195.185 ± 73.409 χ^2/NDF : 13.6/23

reg_asym_sam4_rms vs Slug



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 237.217+/-0.093 χ^2/NDF :147124.8/4

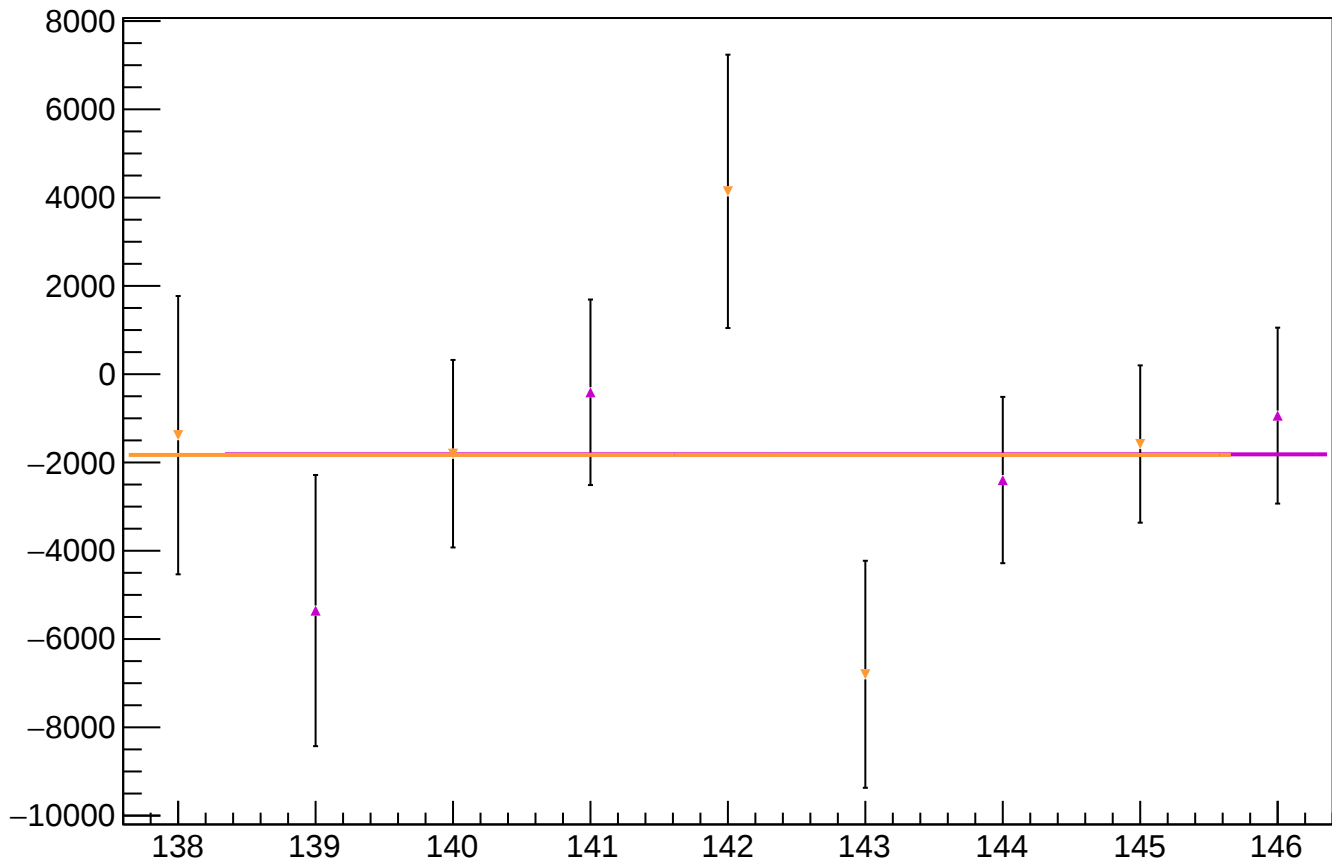
Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

Left In: 232.660+/-0.092 χ^2/NDF :54962.0/3

236.878+/-0.054 χ^2/NDF : 537489.9/21

232.290+/-0.052 χ^2/NDF : 504618.5/23

asym_sam4_correction_mean vs Slug



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

Left Out: -1828.896+/-1058.266 χ^2/NDF : 7.5/4

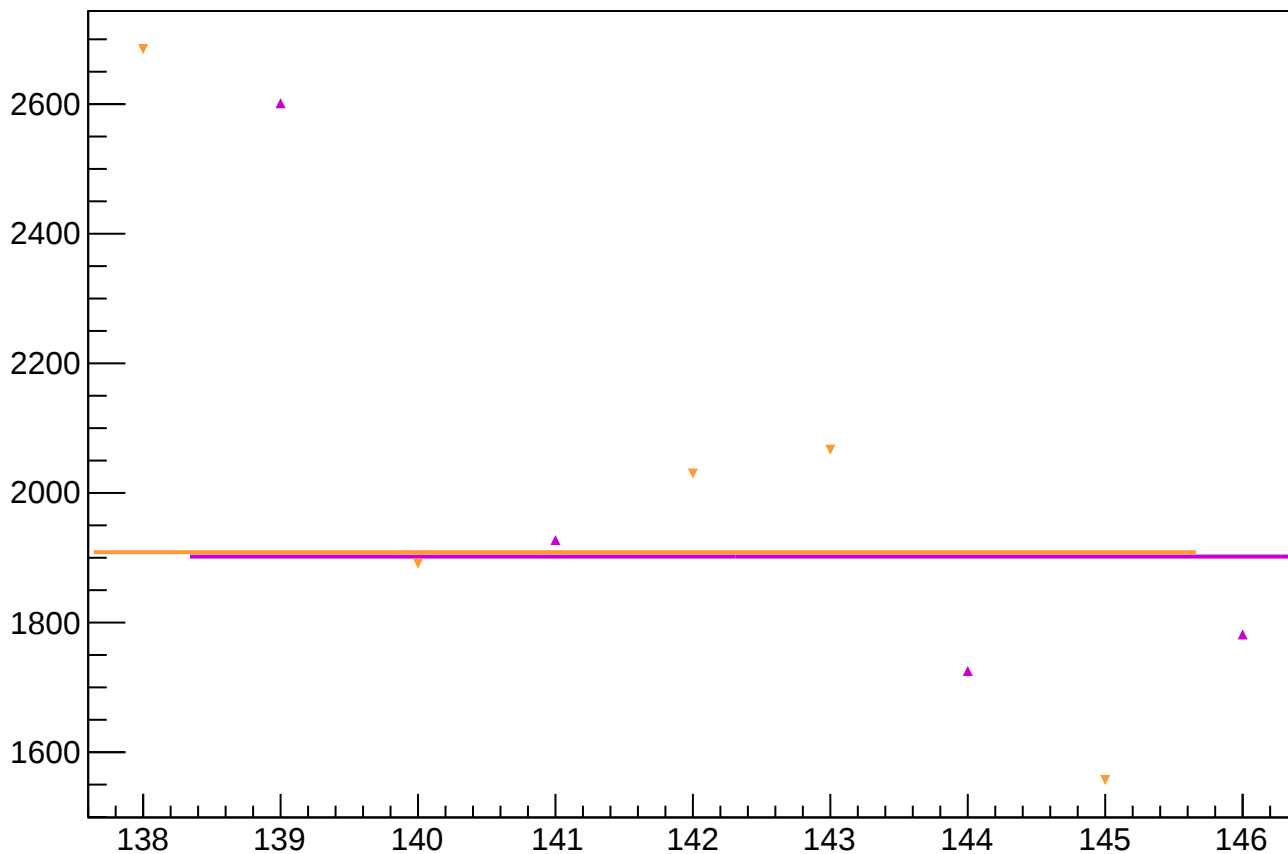
-1828.896+/-1058.266 χ^2/NDF : 7.5/4

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

-1815.879+/-1074.548 χ^2/NDF : 2.1/3

Left In: -1815.879+/-1074.548 χ^2/NDF : 2.1/3

asym_sam4_correction_rms vs Slug



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

Left Out: 1908.633+/-0.748 χ^2/NDF : 209894.6/4

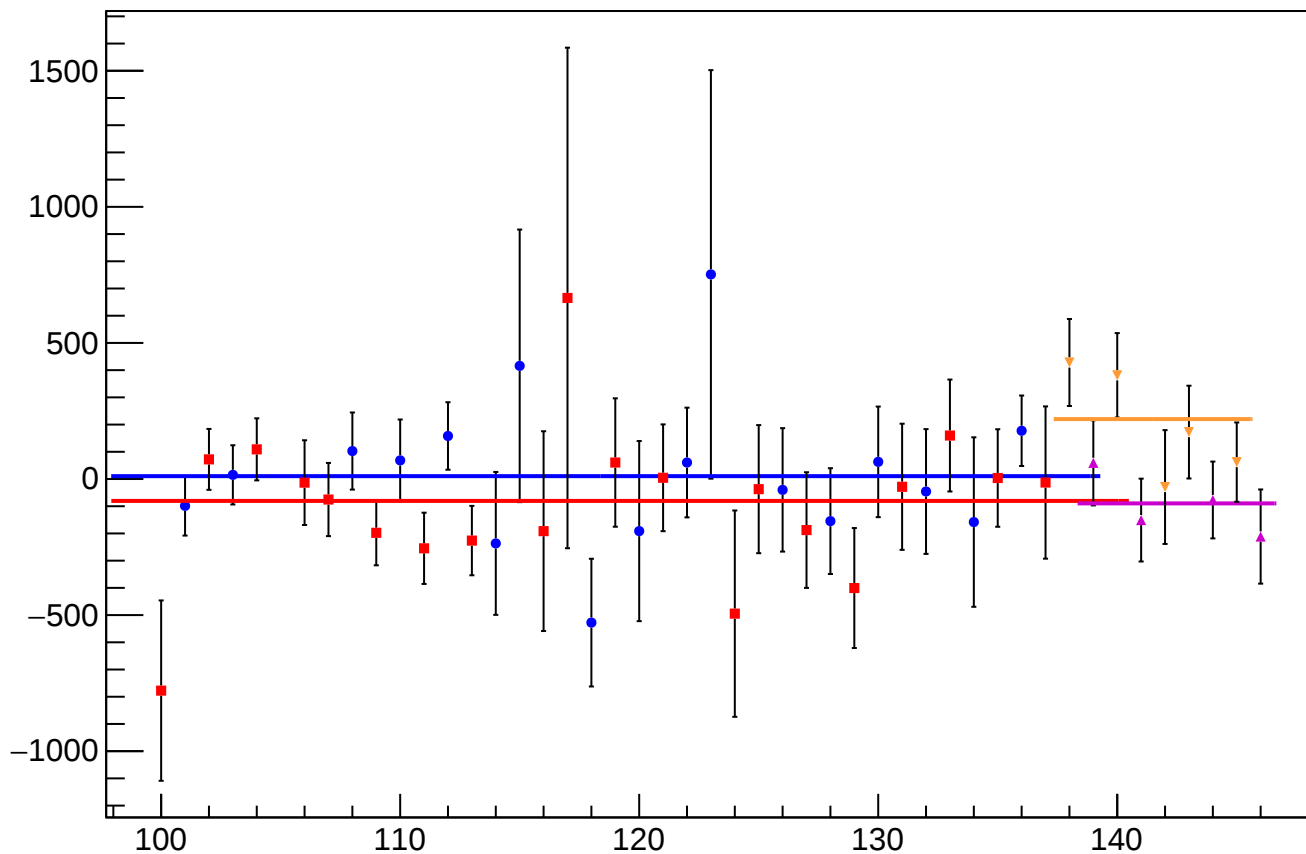
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1901.825+/-0.760 χ^2/NDF : 128872.5/3

1908.633+/-0.748 χ^2/NDF : 209894.6/4

1901.825+/-0.760 χ^2/NDF : 128872.5/3

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 χ^2/NDF : 14.1/16

Left Out: 220.241 ± 73.507 χ^2/NDF : 5.4/4

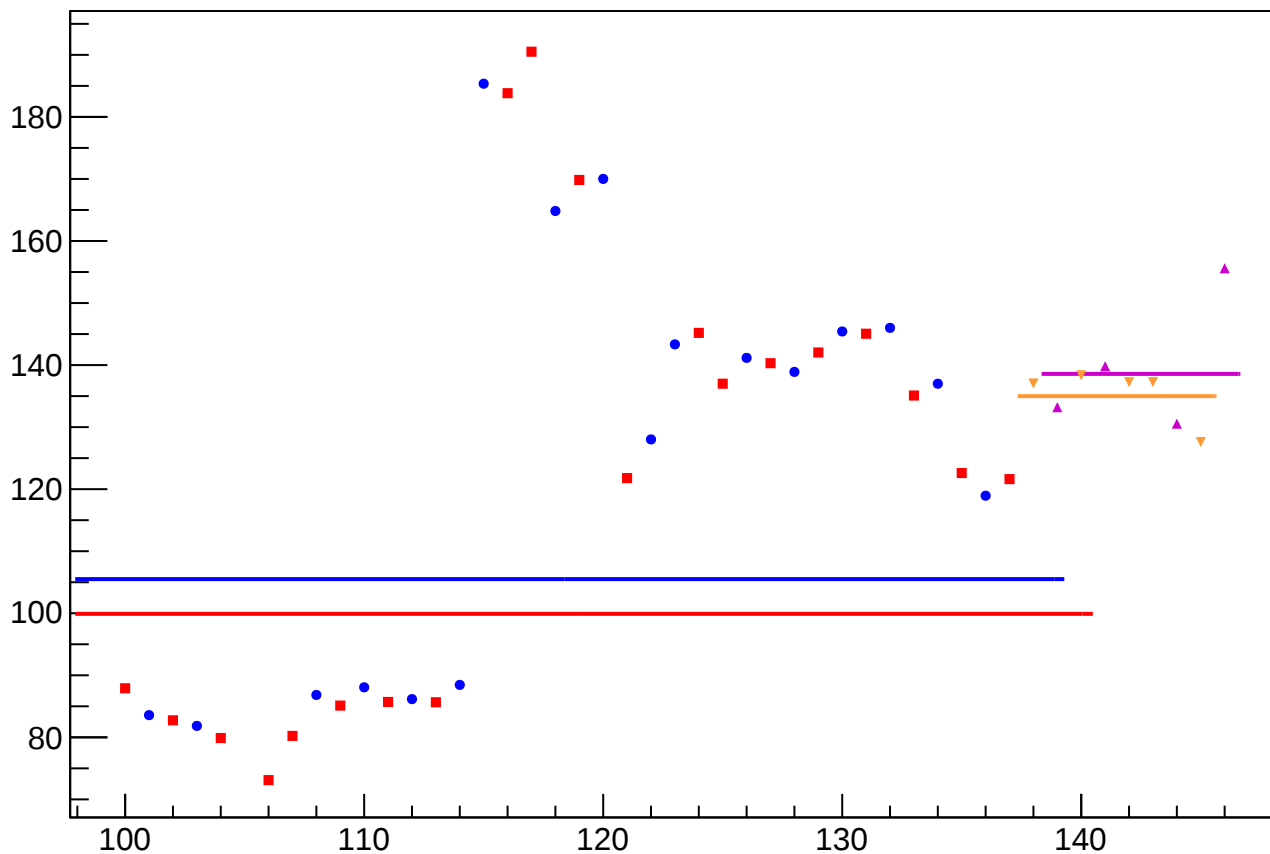
Right Out: -80.462 ± 38.950 χ^2/NDF : 19.9/19

Left In: -89.572 ± 77.230 χ^2/NDF : 1.6/3

62.689 ± 36.659 χ^2/NDF : 25.6/21

-82.309 ± 34.777 χ^2/NDF : 21.4/23

reg_asym_sam5_rms vs Slug



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 134.991+/-0.052 χ^2/NDF : 7009.7/4

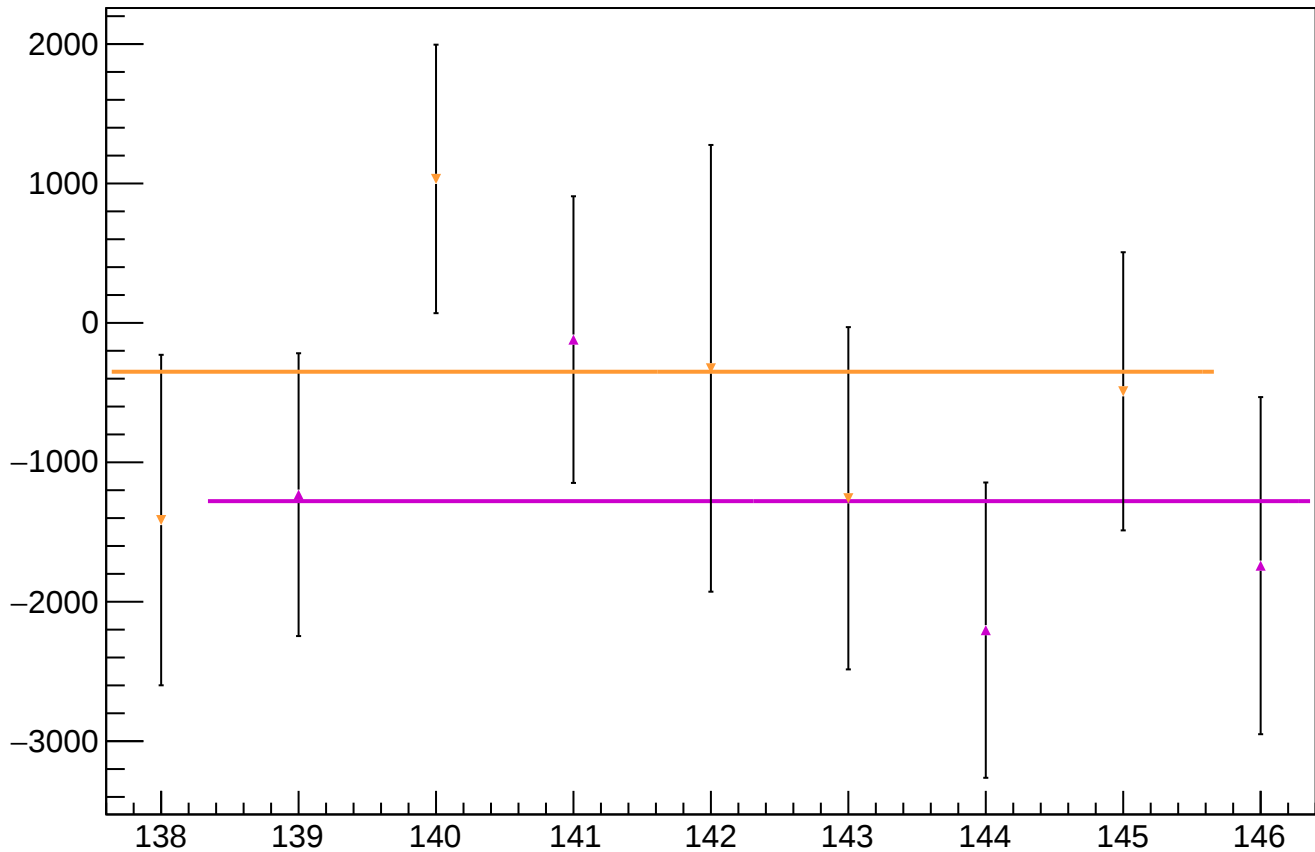
Right Out: 99.907+/-0.028 χ^2/NDF : 1019545.3/19

Left In: 138.581+/-0.055 χ^2/NDF : 28308.9/3

112.837+/-0.026 χ^2/NDF : 1117835.9/21

107.749+/-0.025 χ^2/NDF : 1447688.6/23

asym_sam5_correction_mean vs Slug



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

Left Out: -350.175+/-509.736 χ^2/NDF : 3.4/4

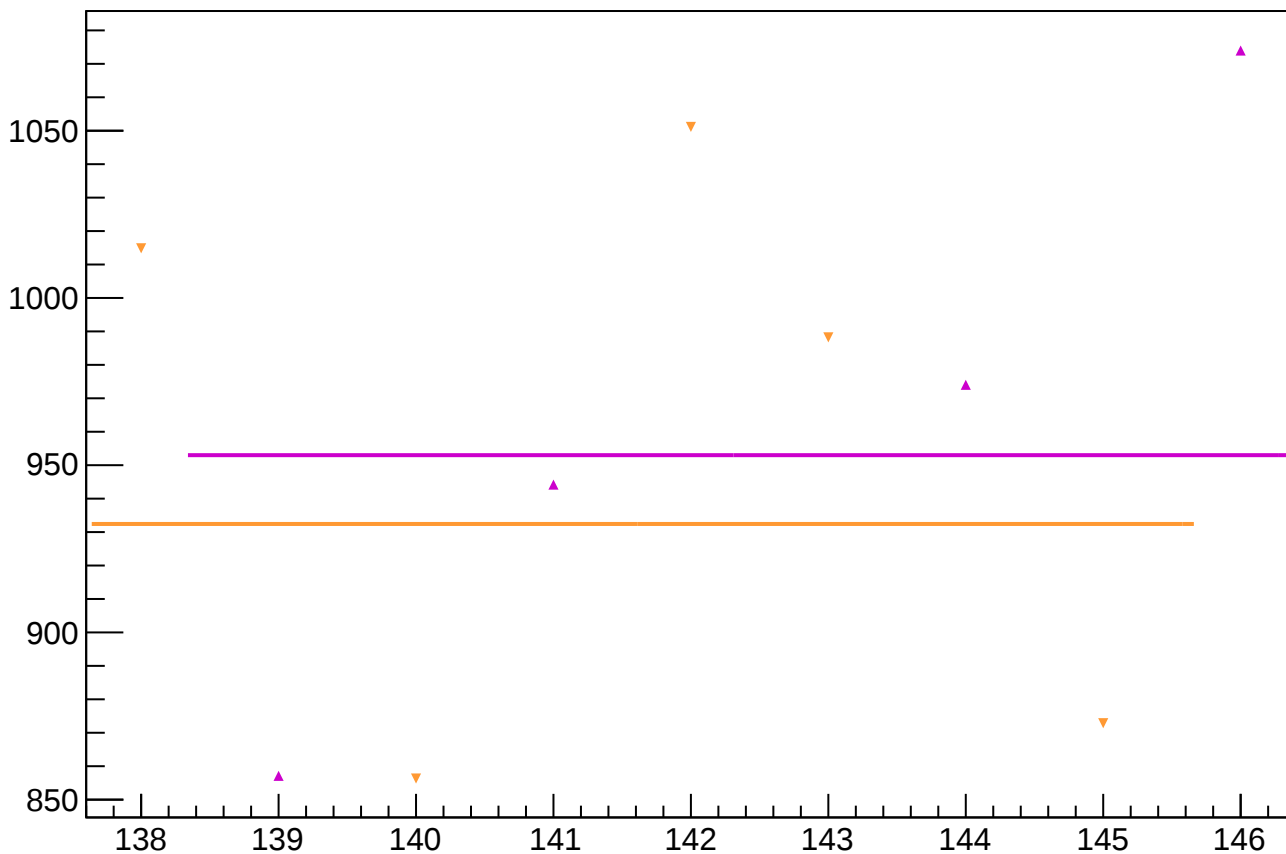
-350.175+/-509.736 χ^2/NDF : 3.4/4

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

-1278.417+/-534.971 χ^2/NDF : 2.2/3

Left In: -1278.417+/-534.971 χ^2/NDF : 2.2/3

asym_sam5_correction_rms vs Slug



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

Left Out: 932.427+/-0.360 χ^2/NDF : 44413.6/4

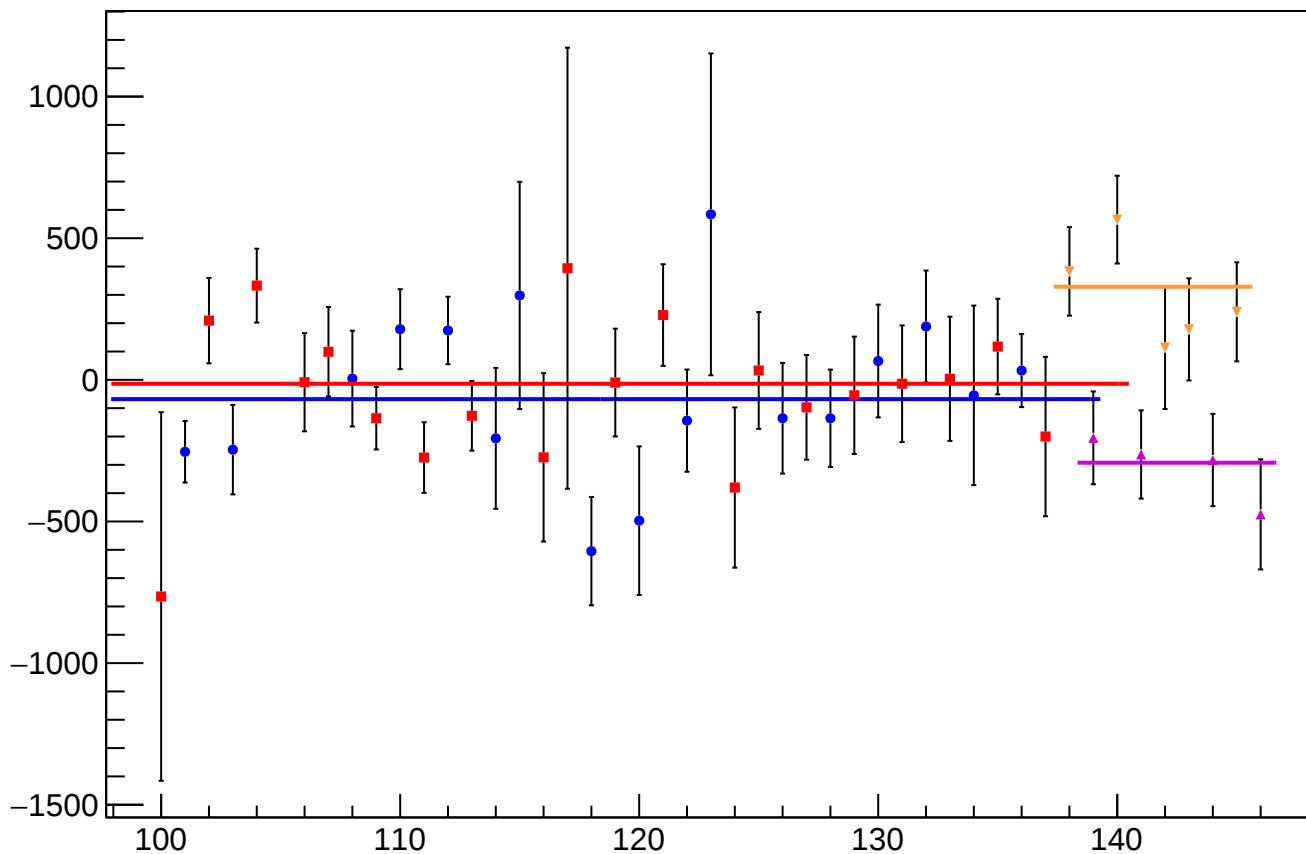
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 952.997+/-0.378 χ^2/NDF : 38837.0/3

932.427+/-0.360 χ^2/NDF : 44413.6/4

952.997+/-0.378 χ^2/NDF : 38837.0/3

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 328.664 ± 77.286 $\chi^2/\text{NDF}: 4.4/4$

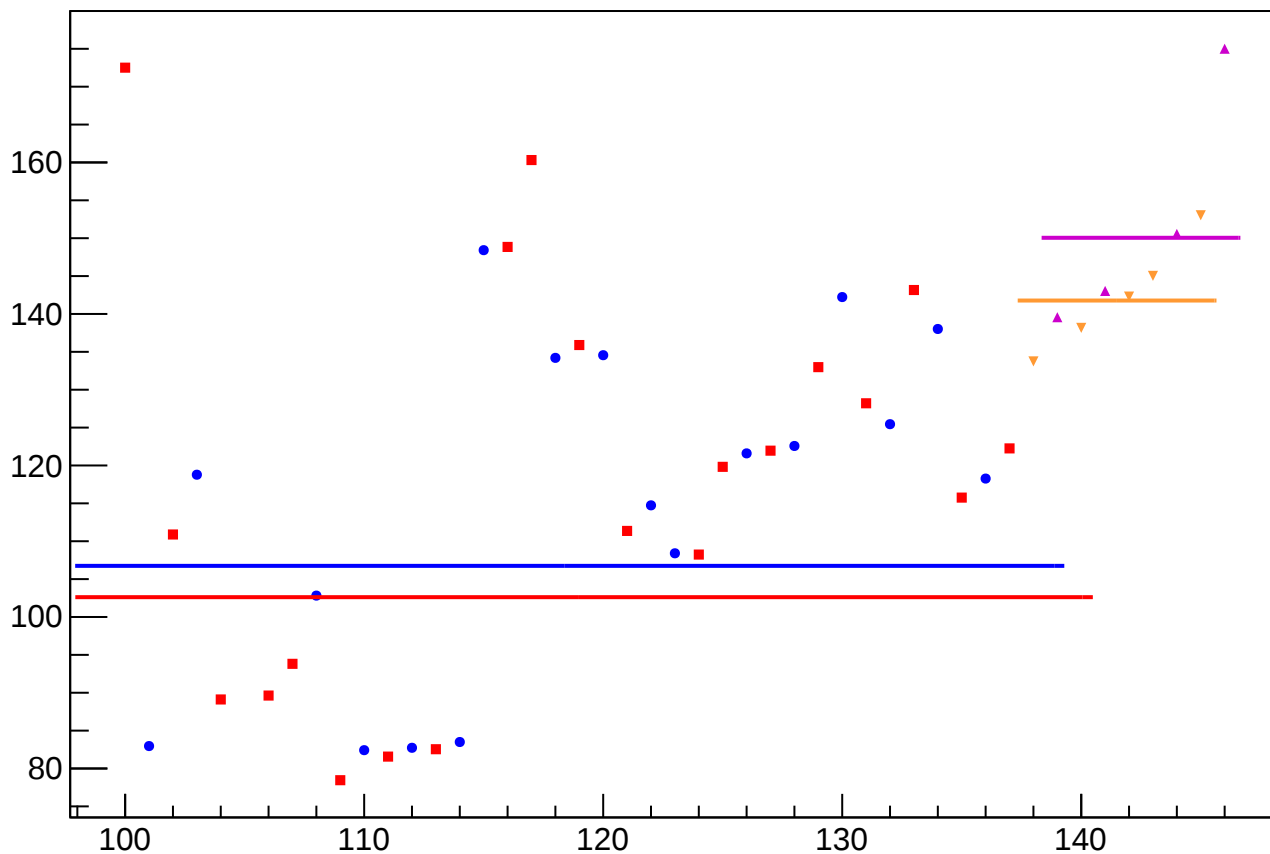
Right Out: -13.752 ± 39.416 $\chi^2/\text{NDF}: 23.4/19$

Left In: -292.514 ± 83.745 $\chi^2/\text{NDF}: 1.2/3$

23.233 ± 37.082 $\chi^2/\text{NDF}: 52.5/21$

-64.306 ± 35.663 $\chi^2/\text{NDF}: 33.7/23$

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 141.772 $\pm$ 0.055 χ^2 /NDF: 15330.0/4

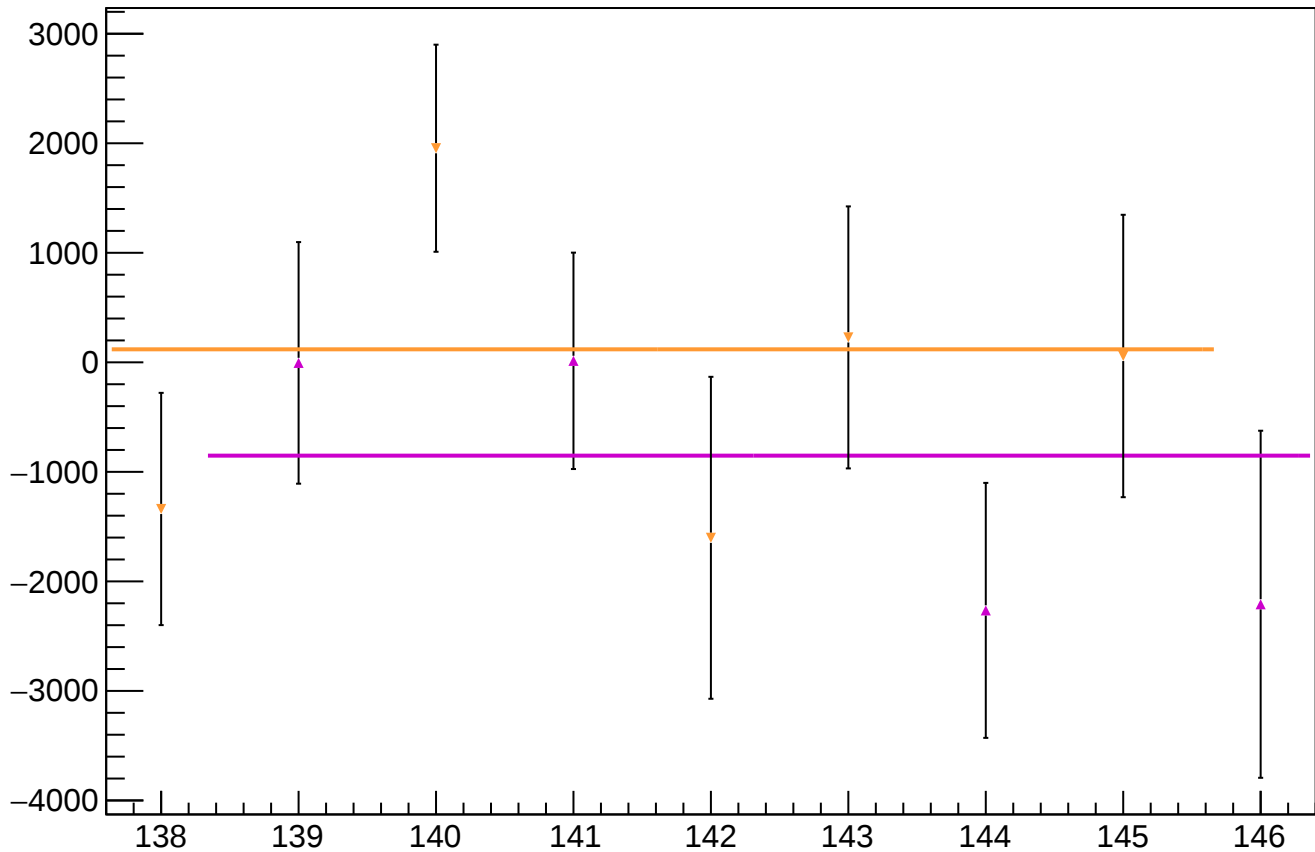
Right Out: 102.615 $\pm$ 0.028 χ^2 /NDF: 600357.6/19

Left In: 150.054 $\pm$ 0.059 χ^2 /NDF: 45219.7/3

114.812 $\pm$ 0.026 χ^2 /NDF: 833221.2/21

111.218 $\pm$ 0.025 χ^2 /NDF: 1170958.5/23

asym_sam6_correction_mean vs Slug



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

Left Out: 118.754+/-514.888 χ^2/NDF : 7.0/4

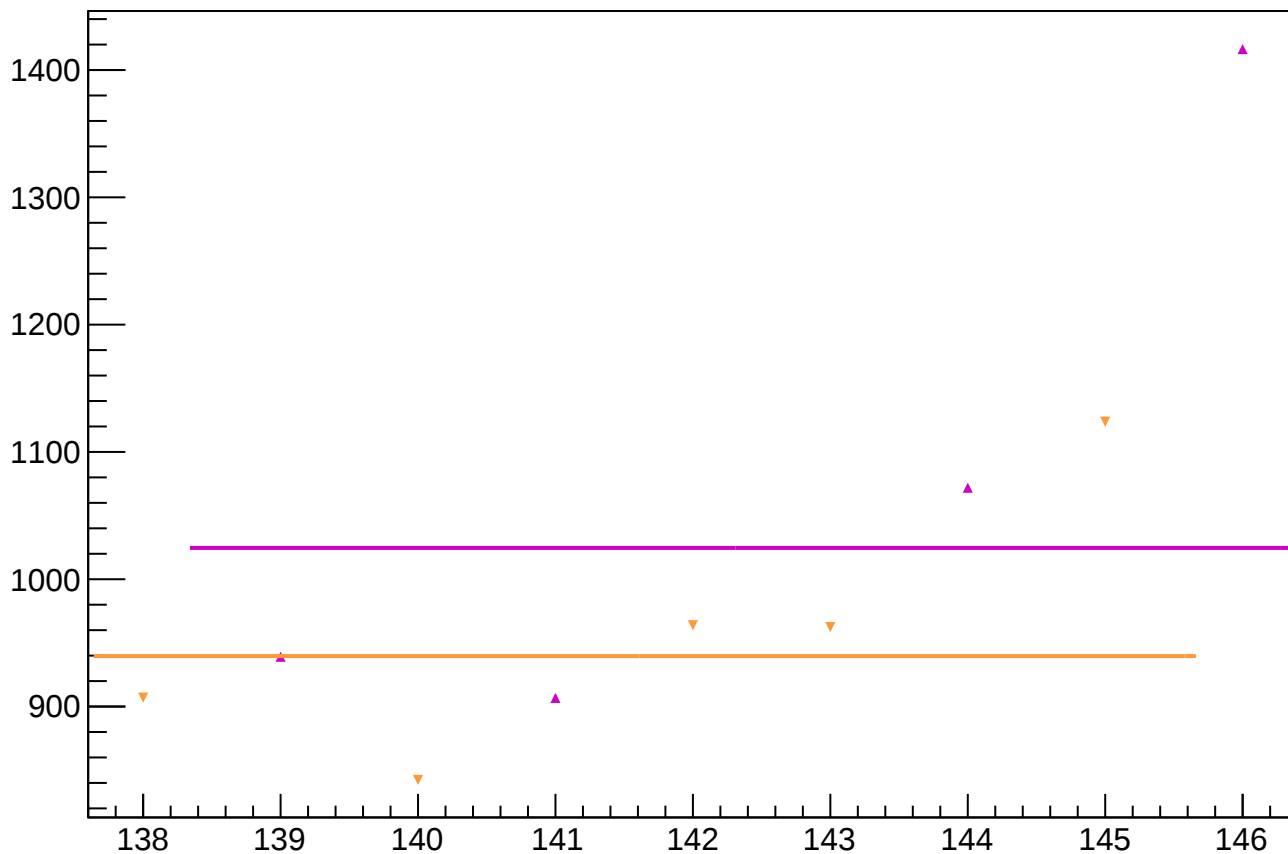
118.754+/-514.888 χ^2/NDF : 7.0/4

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

-851.960+/-578.962 χ^2/NDF : 3.6/3

Left In: -851.960+/-578.962 χ^2/NDF : 3.6/3

asym_sam6_correction_rms vs Slug



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

Left Out: 939.644+/-0.364 χ^2/NDF : 65126.5/4

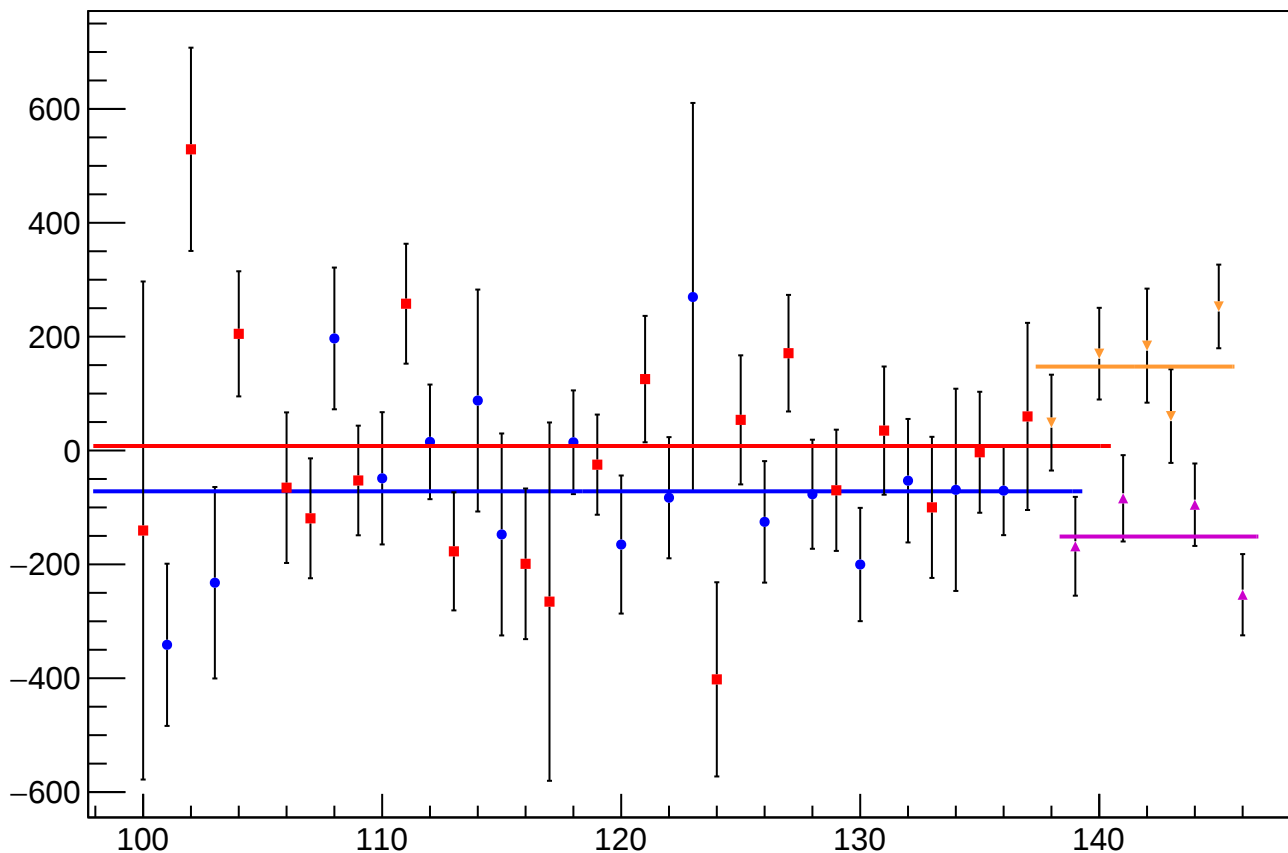
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1024.606+/-0.409 χ^2/NDF : 166093.0/3

939.644+/-0.364 χ^2/NDF : 65126.5/4

1024.606+/-0.409 χ^2/NDF : 166093.0/3

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 χ^2/NDF : 15.2/16

Left Out: 147.421 ± 37.056 χ^2/NDF : 4.8/4

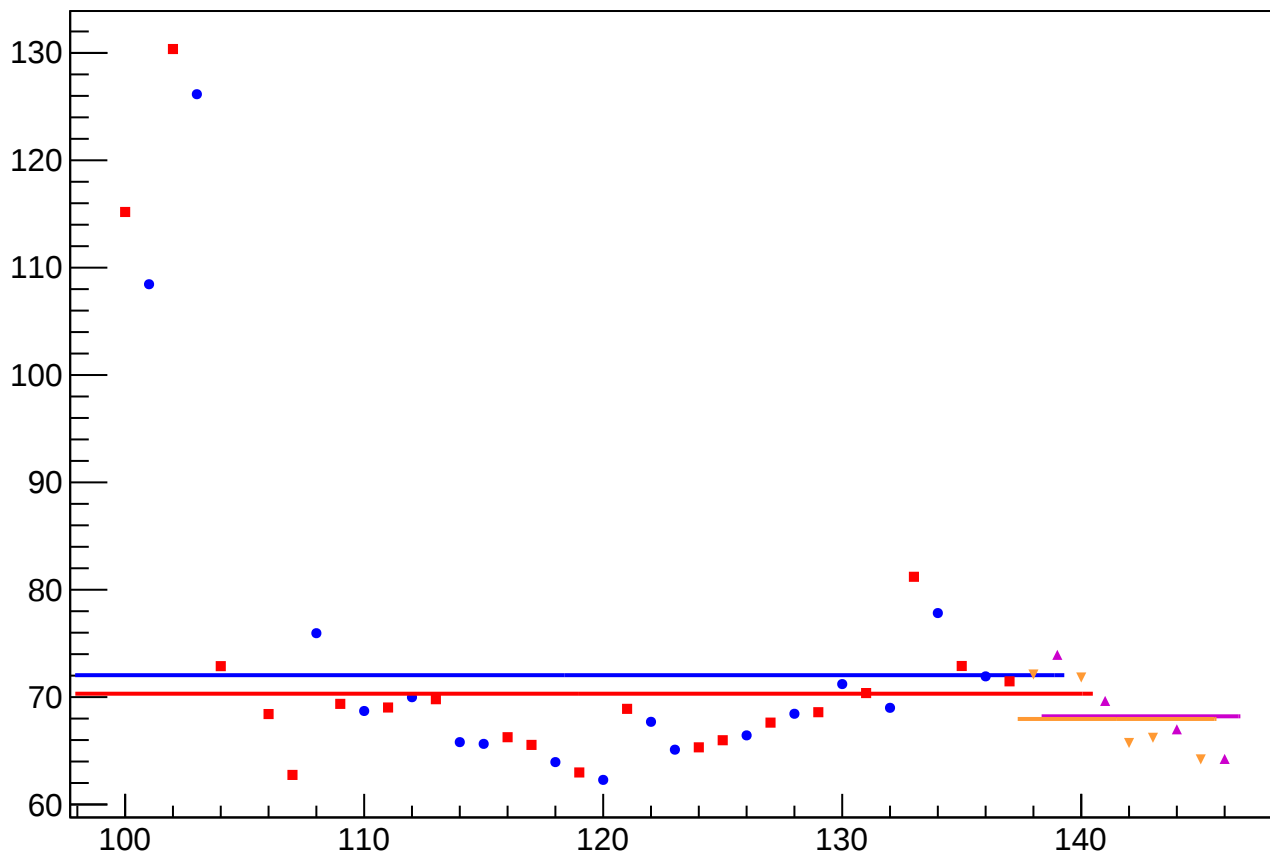
Right Out: 7.933 ± 26.719 χ^2/NDF : 37.2/19

Left In: -151.108 ± 37.967 χ^2/NDF : 3.5/3

9.251 ± 22.520 χ^2/NDF : 42.1/21

-44.744 ± 21.851 χ^2/NDF : 52.4/23

reg_asym_sam7_rms vs Slug



Right In: 72.042 ± 0.020 χ^2/NDF : 391971.7/16

Left Out: 67.964 ± 0.026 χ^2/NDF : 16606.6/4

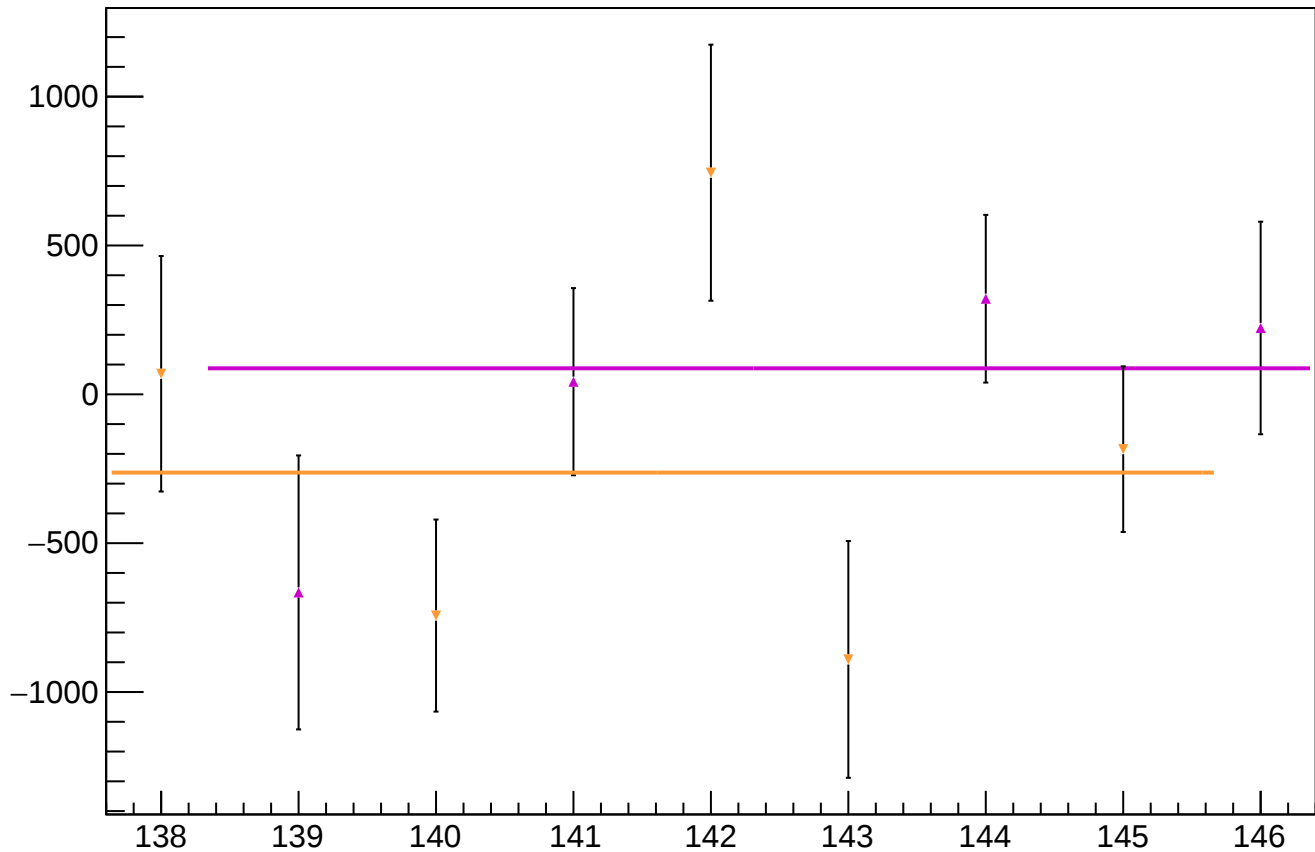
Right Out: 70.316 ± 0.019 χ^2/NDF : 299468.0/19

Left In: 68.211 ± 0.027 χ^2/NDF : 16167.6/3

70.536 ± 0.016 χ^2/NDF : 423856.8/21

69.619 ± 0.015 χ^2/NDF : 319748.8/23

asym_sam7_correction_mean vs Slug



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

Left Out: -262.868+/-156.830 χ^2/NDF : 11.0/4

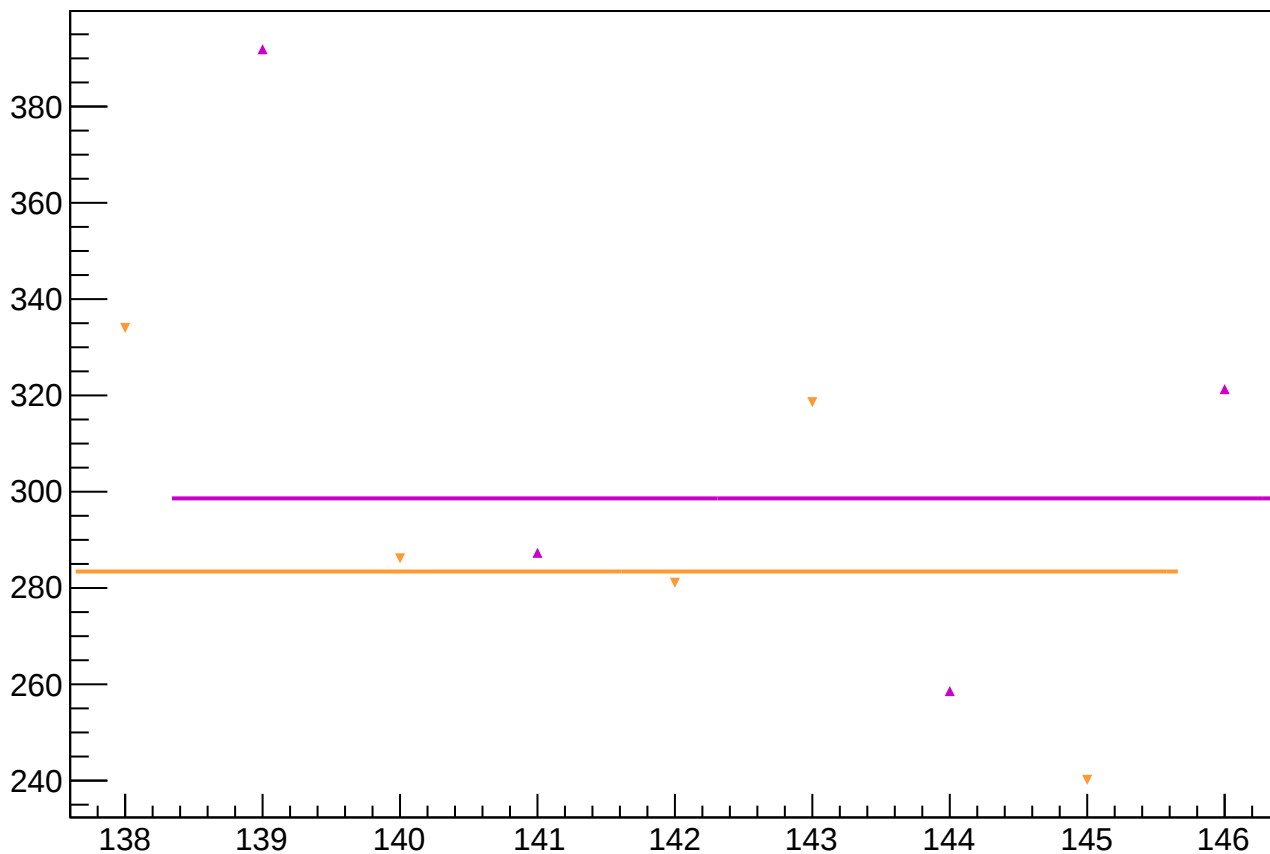
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 87.354+/-168.348 χ^2/NDF : 3.5/3

-262.868+/-156.830 χ^2/NDF : 11.0/4

87.354+/-168.348 χ^2/NDF : 3.5/3

asym_sam7_correction_rms vs Slug



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

283.433+/-0.111 χ^2/NDF : 96954.8/4

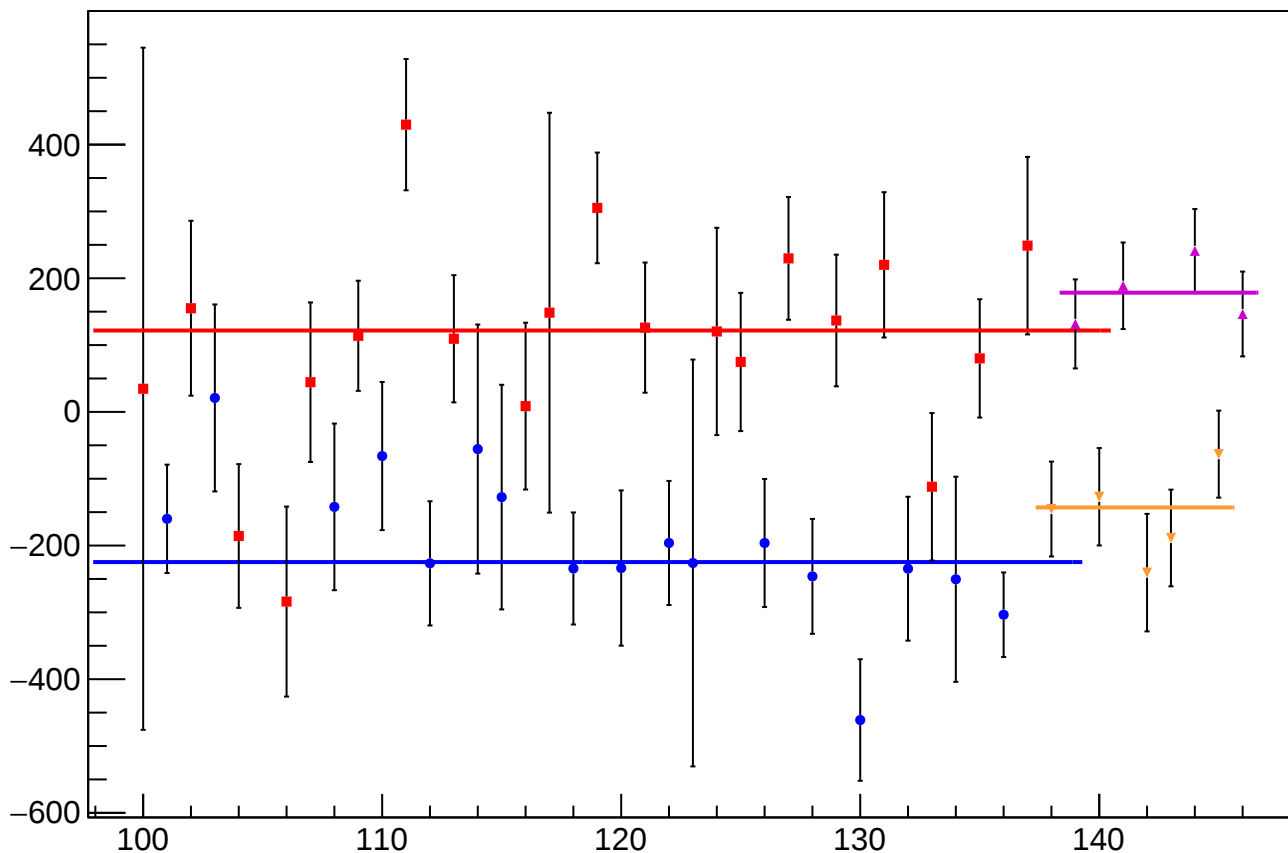
Left Out: 283.433+/-0.111 χ^2/NDF : 96954.8/4

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

298.615+/-0.119 χ^2/NDF : 133195.8/3

Left In: 298.615+/-0.119 χ^2/NDF : 133195.8/3

reg_asym_sam8_mean vs Slug



Right In: -224.727 $\pm$ 24.880 χ^2/NDF : 16.0/16

Left Out: -142.985 $\pm$ 32.564 χ^2/NDF : 3.2/4

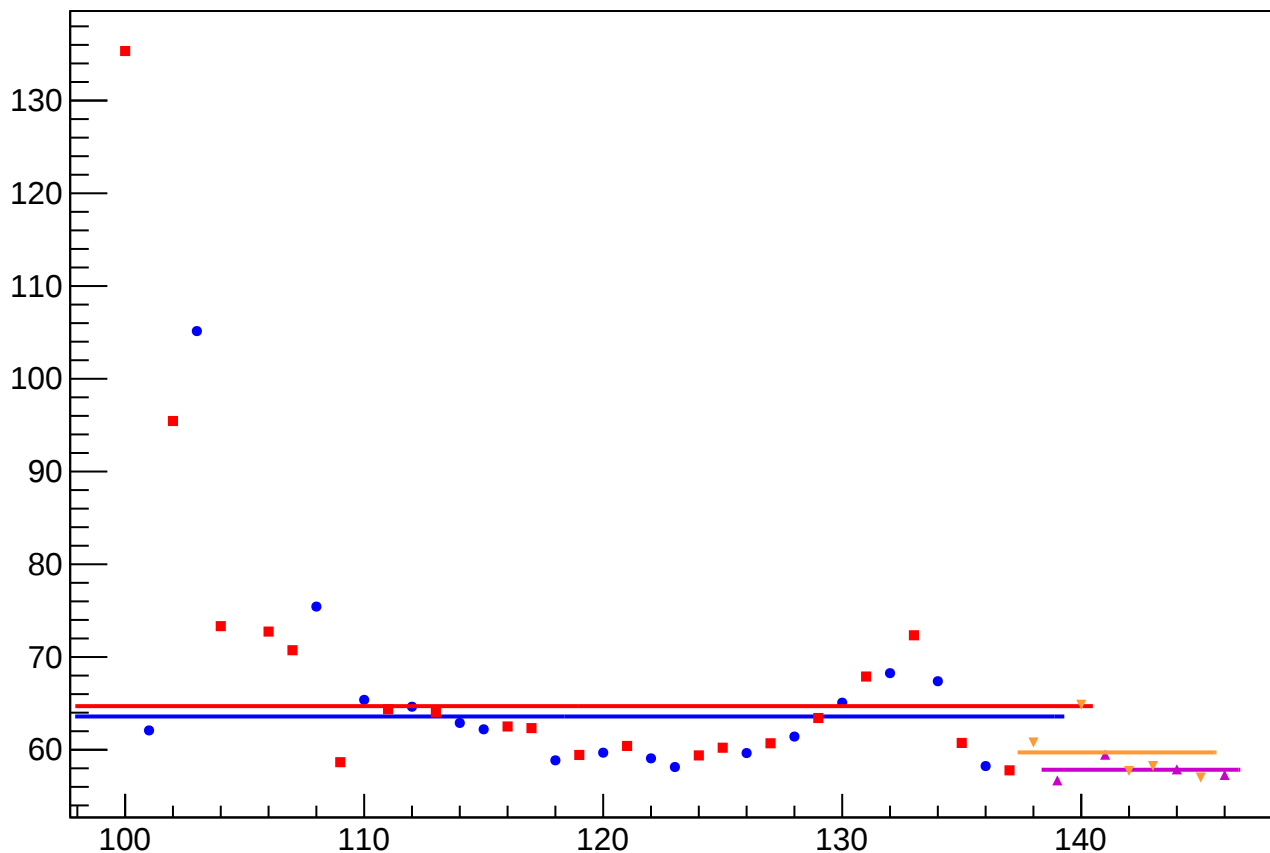
Right Out: 121.814 $\pm$ 24.516 χ^2/NDF : 40.5/19

Left In: 178.420 $\pm$ 32.152 χ^2/NDF : 1.8/3

-194.597 $\pm$ 19.770 χ^2/NDF : 23.1/21

142.625 $\pm$ 19.495 χ^2/NDF : 44.2/23

reg_asym_sam8_rms vs Slug



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 59.715+/-0.023 χ^2/NDF :15729.7/4

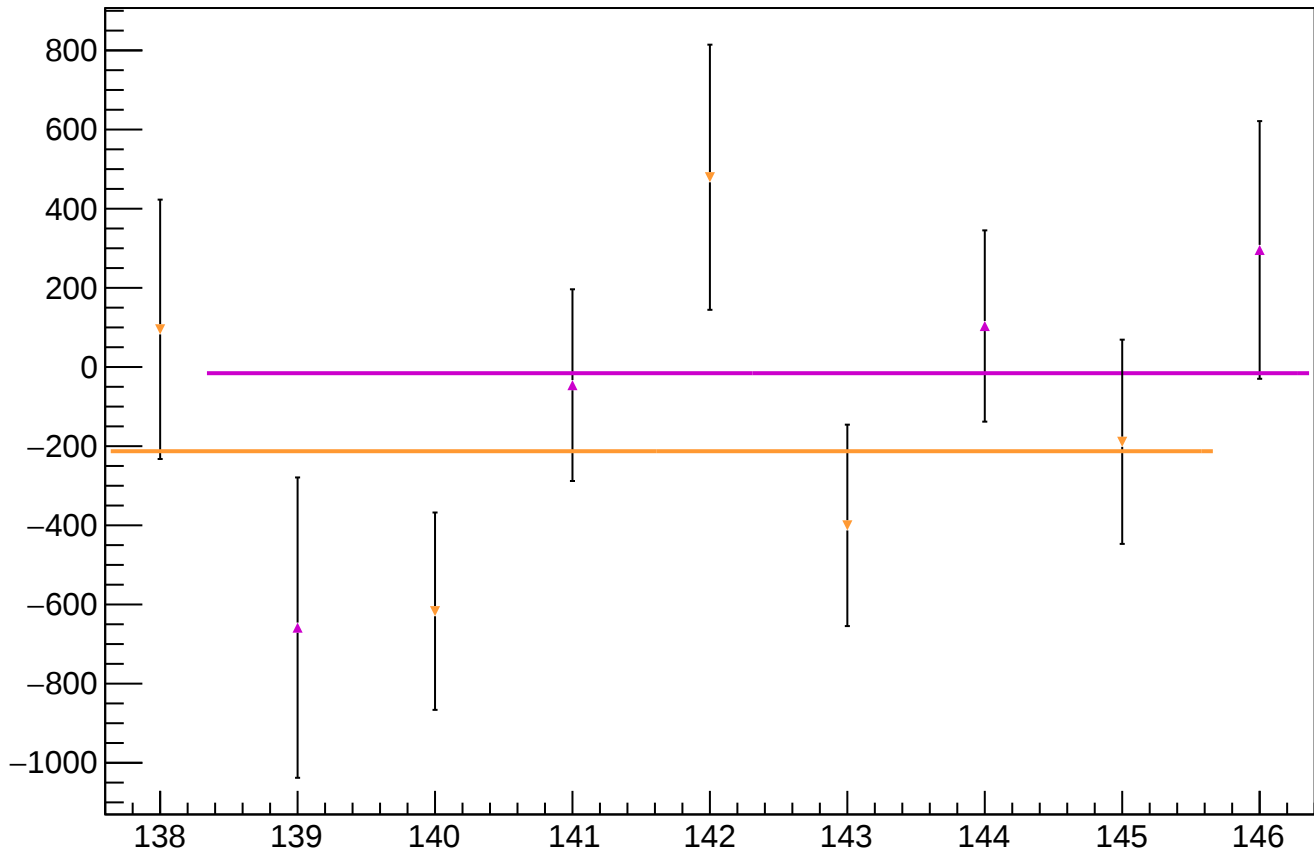
Right Out: 64.704+/-0.017 χ^2/NDF : 227632.6/19

Left In: 57.847+/-0.023 χ^2/NDF :2004.5/3

62.161+/-0.014 χ^2/NDF : 268207.5/21

62.183+/-0.014 χ^2/NDF : 287165.1/23

asym_sam8_correction_mean vs Slug



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

Left Out: -212.745+/-124.246 χ^2/NDF : 8.3/4

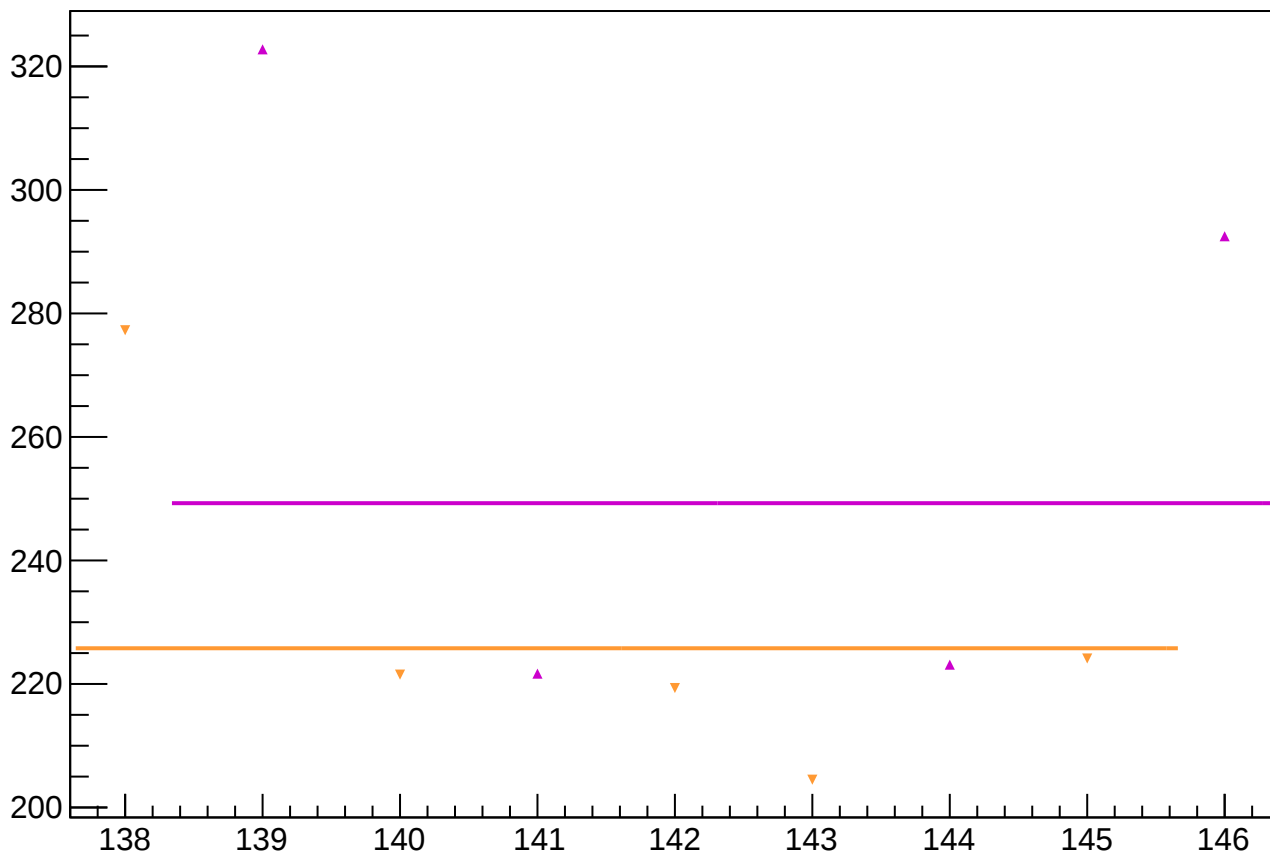
-212.745+/-124.246 χ^2/NDF : 8.3/4

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

-15.617+/-140.644 χ^2/NDF : 4.0/3

Left In: -15.617+/-140.644 χ^2/NDF : 4.0/3

asym_sam8_correction_rms vs Slug



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

225.782+/-0.088 χ^2/NDF : 64795.6/4

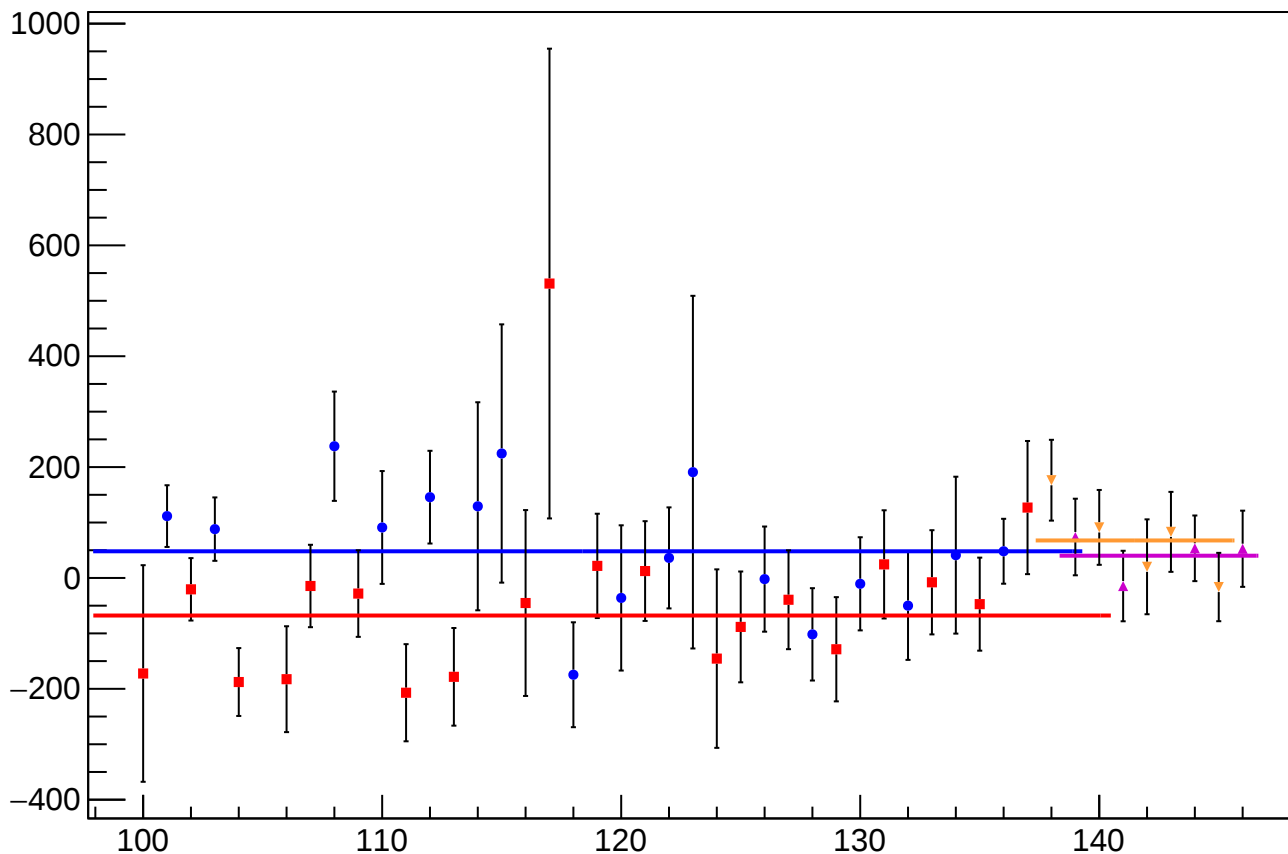
Left Out: 225.782+/-0.088 χ^2/NDF : 64795.6/4

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

249.275+/-0.099 χ^2/NDF : 159680.6/3

Left In: 249.275+/-0.099 χ^2/NDF : 159680.6/3

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 67.662+/-31.633 χ^2/NDF : 4.6/4

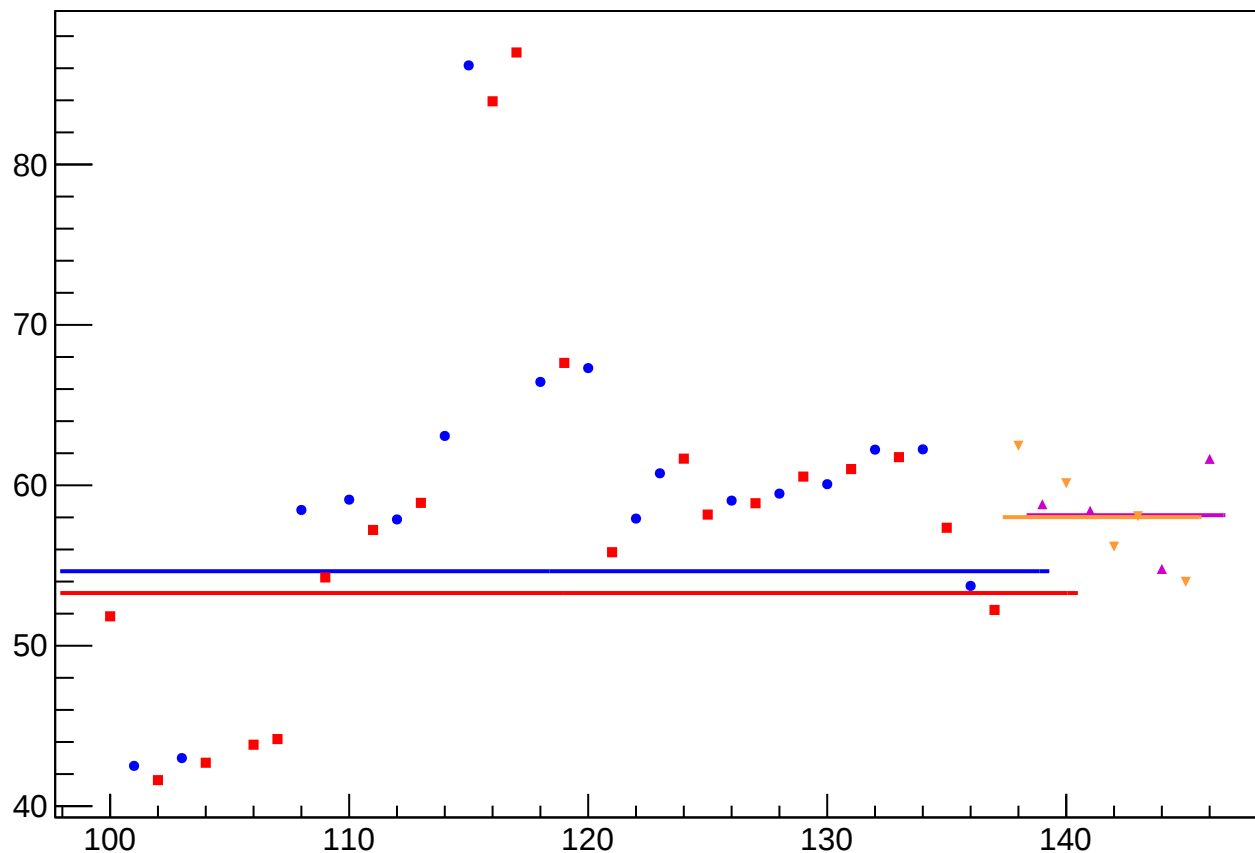
Right Out: -67.767+/-20.383 χ^2/NDF : 19.7/19

Left In: 40.143+/-32.378 χ^2/NDF : 1.1/3

54.291+/-17.787 χ^2/NDF : 23.8/21

-37.137+/-17.250 χ^2/NDF : 28.7/23

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 58.016+/-0.022 χ^2/NDF : 18887.8/4

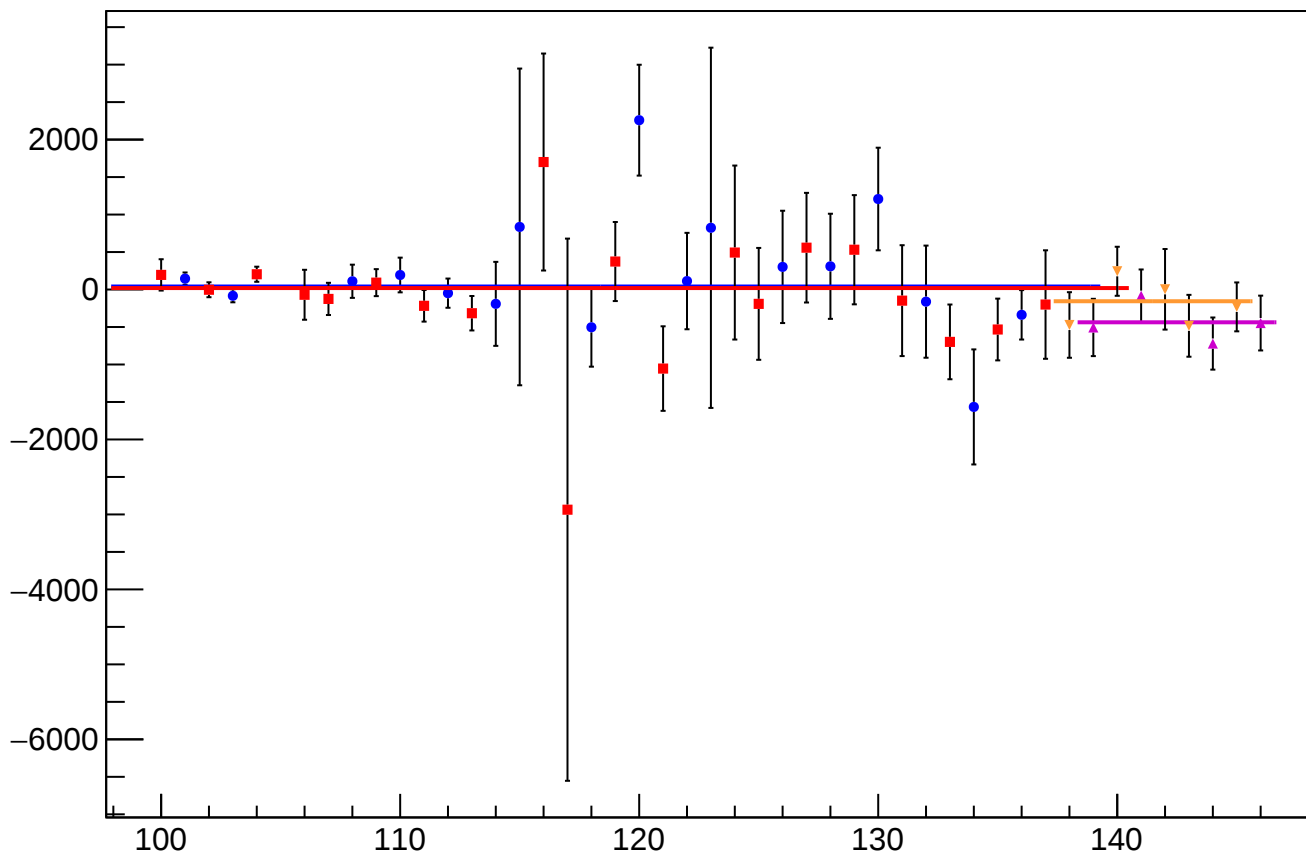
Right Out: 53.285+/-0.014 χ^2/NDF : 398973.0/19

Left In: 58.137+/-0.023 χ^2/NDF : 11860.1/3

55.711+/-0.013 χ^2/NDF : 353723.4/21

54.662+/-0.012 χ^2/NDF : 443005.0/23

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -156.180+/-173.249 χ^2/NDF : 2.8/4

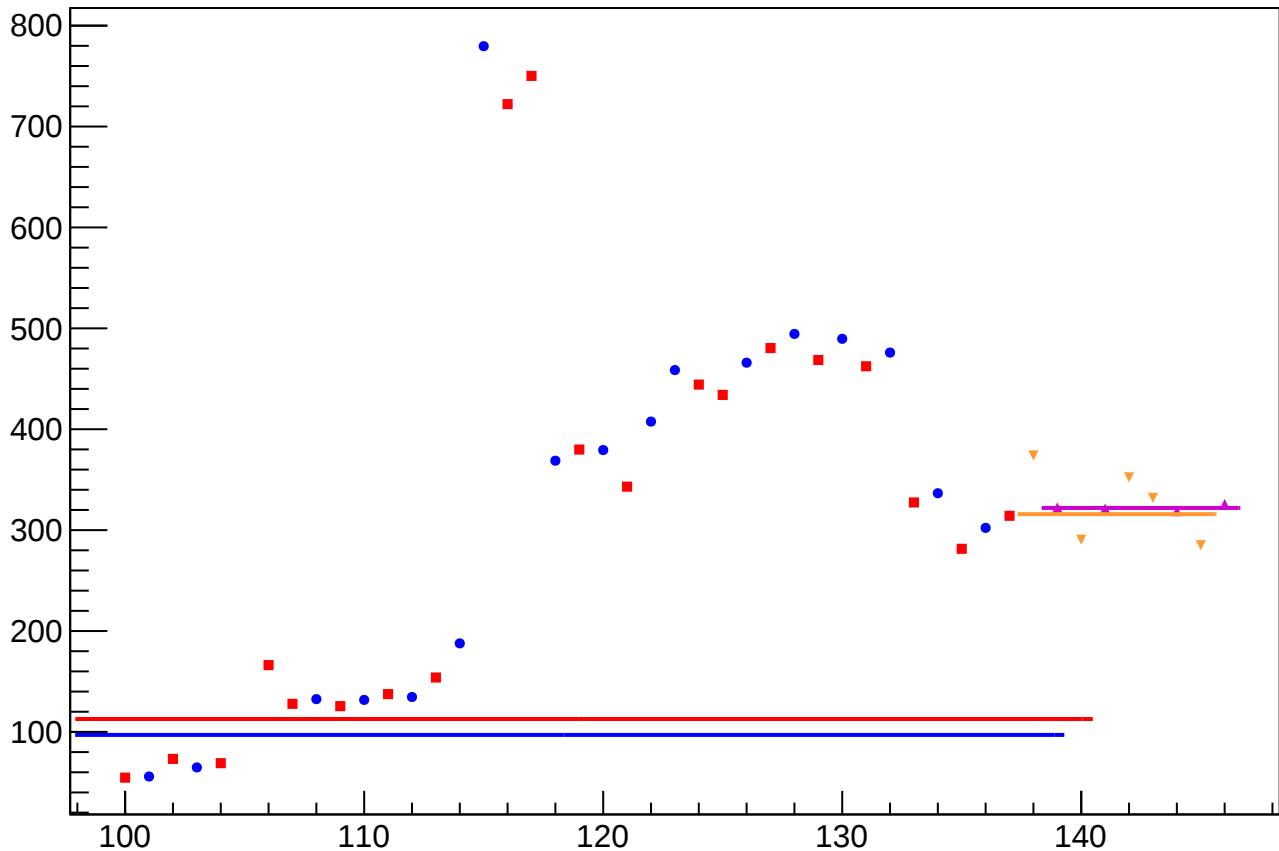
Right Out: 19.590+/-53.268 χ^2/NDF : 19.6/19

Left In: -437.106+/-180.294 χ^2/NDF : 1.7/3

24.238+/-49.402 χ^2/NDF : 27.8/21

-17.076+/-51.085 χ^2/NDF : 27.2/23

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2 /NDF: 5819709.2/16

Left Out: 315.840+/-0.123 χ^2 /NDF: 77307.7/4

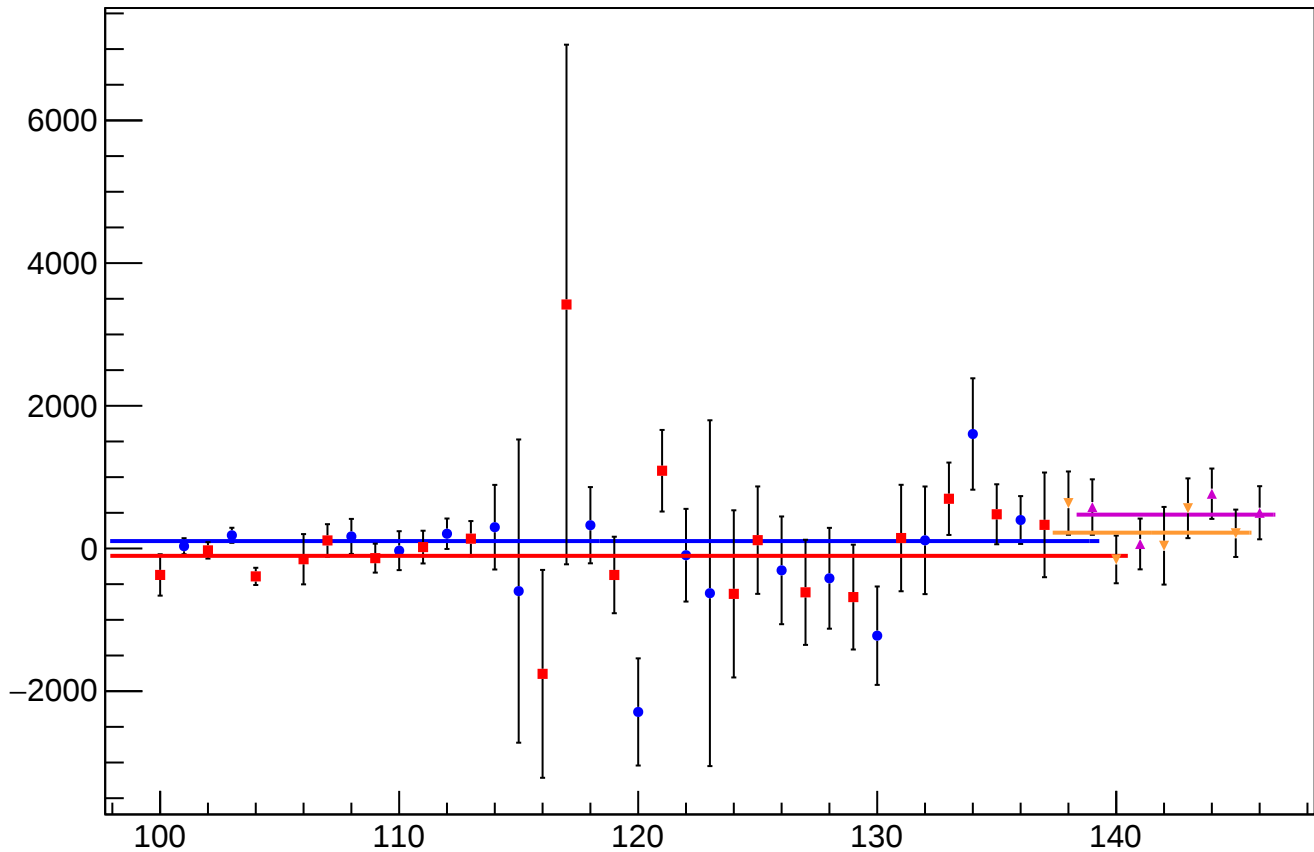
Right Out: 112.792+/-0.038 χ^2 /NDF: 5098459.2/19

Left In: 321.990+/-0.127 χ^2 /NDF: 402.5/3

114.830+/-0.035 χ^2 /NDF: 8827606.7/21

129.587+/-0.036 χ^2 /NDF: 7575363.2/23

asym_sam_15_avg_mean vs Slug



Right In: 104.001 ± 63.156 $\chi^2/\text{NDF}: 21.3/16$

Left Out: 221.772 ± 176.267 $\chi^2/\text{NDF}: 2.9/4$

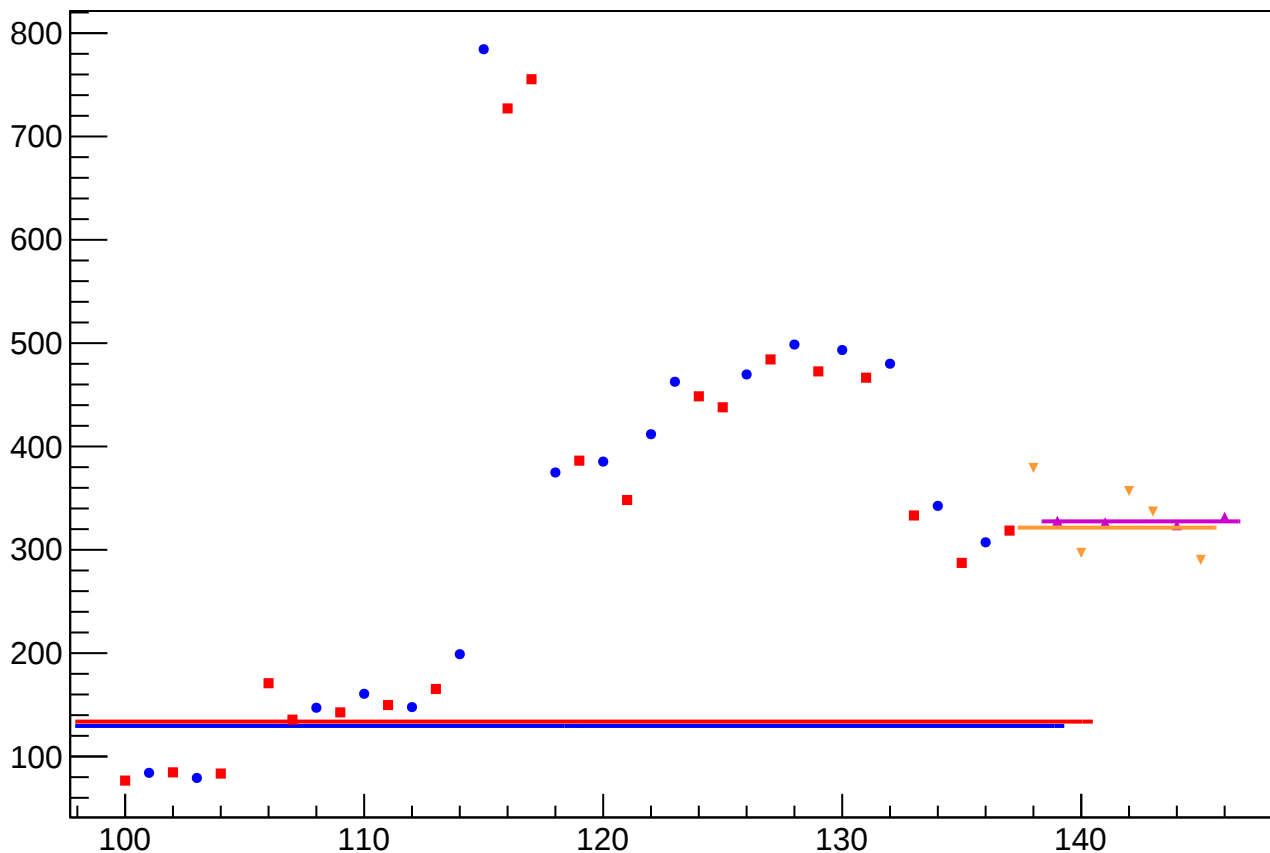
Right Out: -103.156 ± 60.849 $\chi^2/\text{NDF}: 22.3/19$

Left In: 474.509 ± 183.324 $\chi^2/\text{NDF}: 2.1/3$

117.400 ± 59.455 $\chi^2/\text{NDF}: 24.6/21$

-45.830 ± 57.750 $\chi^2/\text{NDF}: 33.3/23$

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 321.476+/-0.125 χ^2/NDF : 73580.8/4

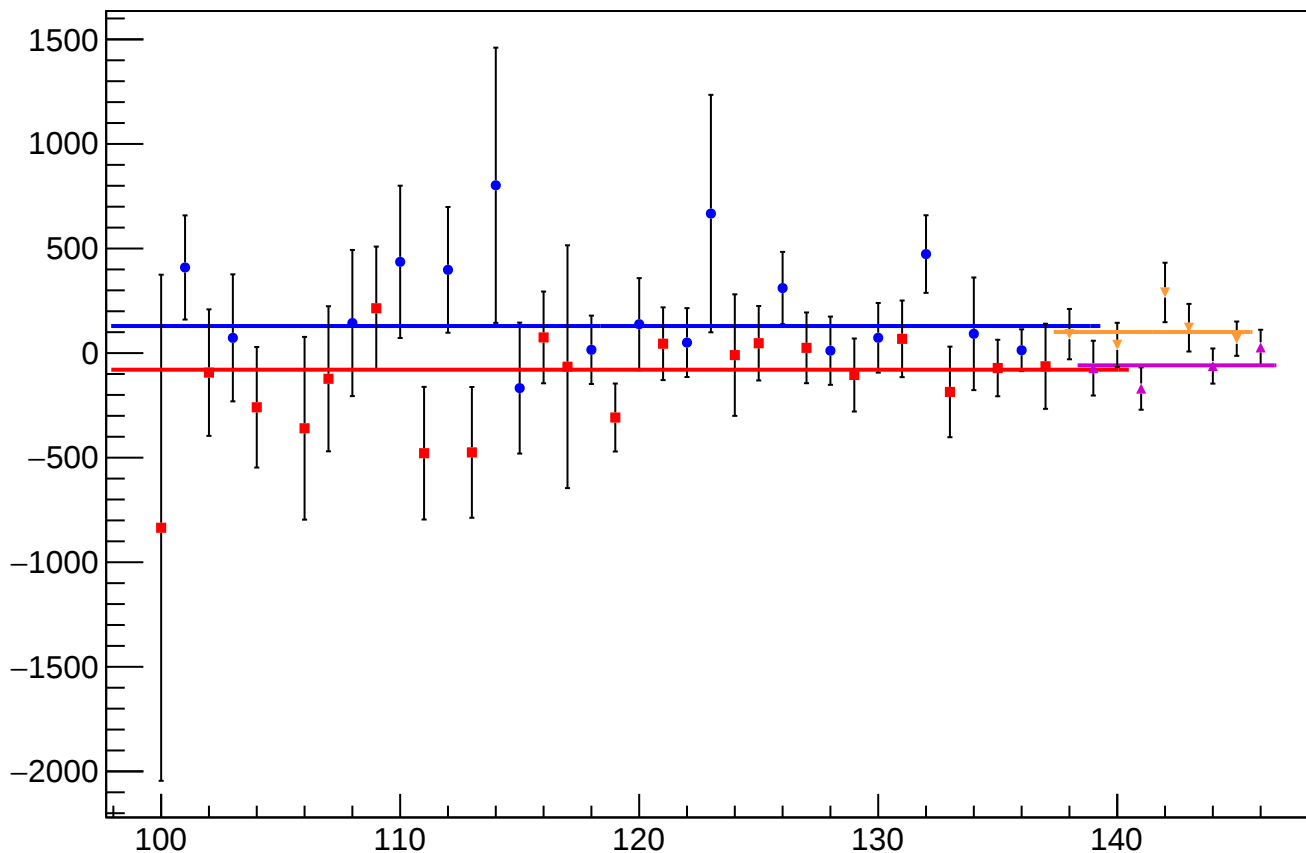
Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

Left In: 327.523+/-0.130 χ^2/NDF : 529.1/3

151.387+/-0.042 χ^2/NDF : 6947348.9/21

152.994+/-0.041 χ^2/NDF : 6437488.4/23

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 100.756 $\pm$ 48.005 χ^2 /NDF: 2.3/4

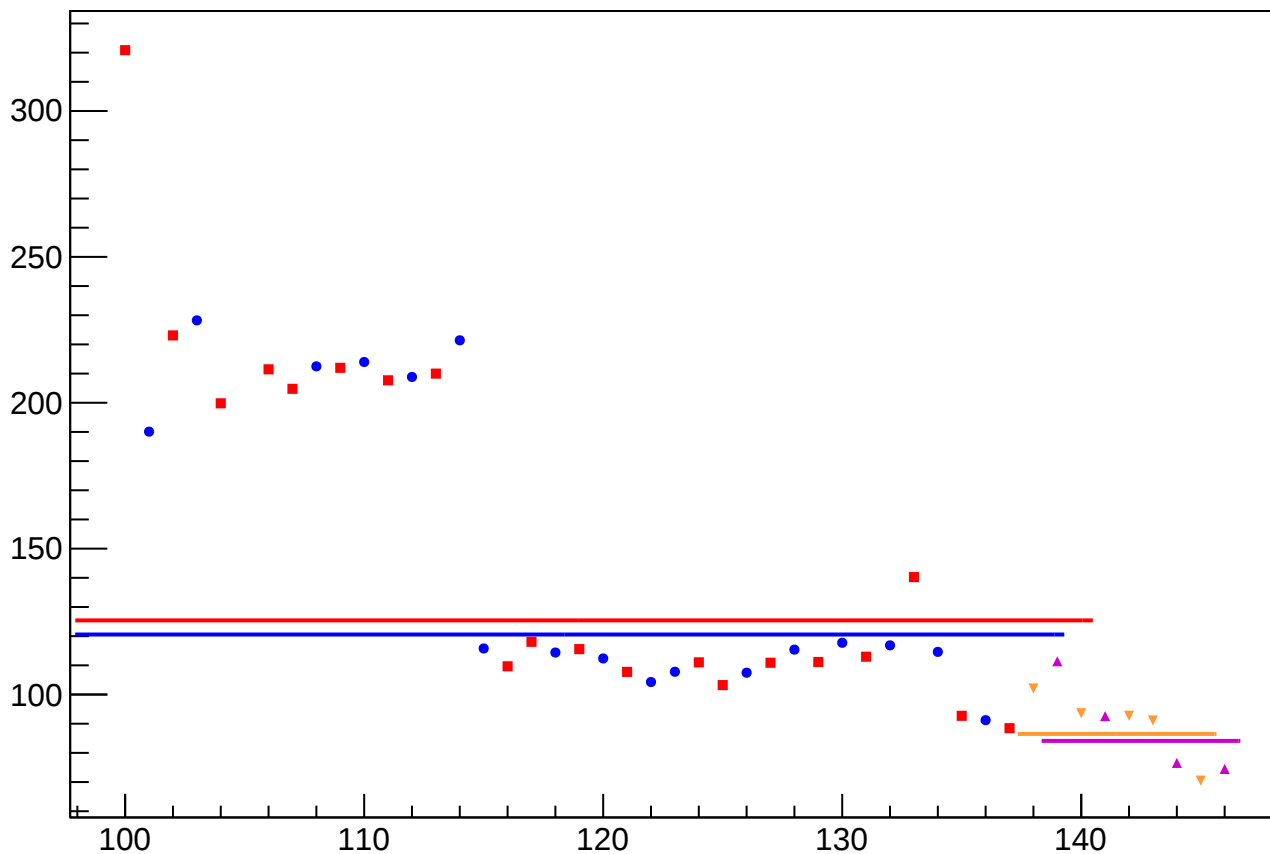
Right Out: -79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

Left In: -58.622 $\pm$ 47.776 χ^2 /NDF: 2.2/3

114.748 $\pm$ 34.333 χ^2 /NDF: 15.4/21

-68.589 $\pm$ 34.444 χ^2 /NDF: 12.6/23

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565+/-0.035 χ^2/NDF : 1112076.4/16

Left Out: 86.491+/-0.034 χ^2/NDF :125682.7/4

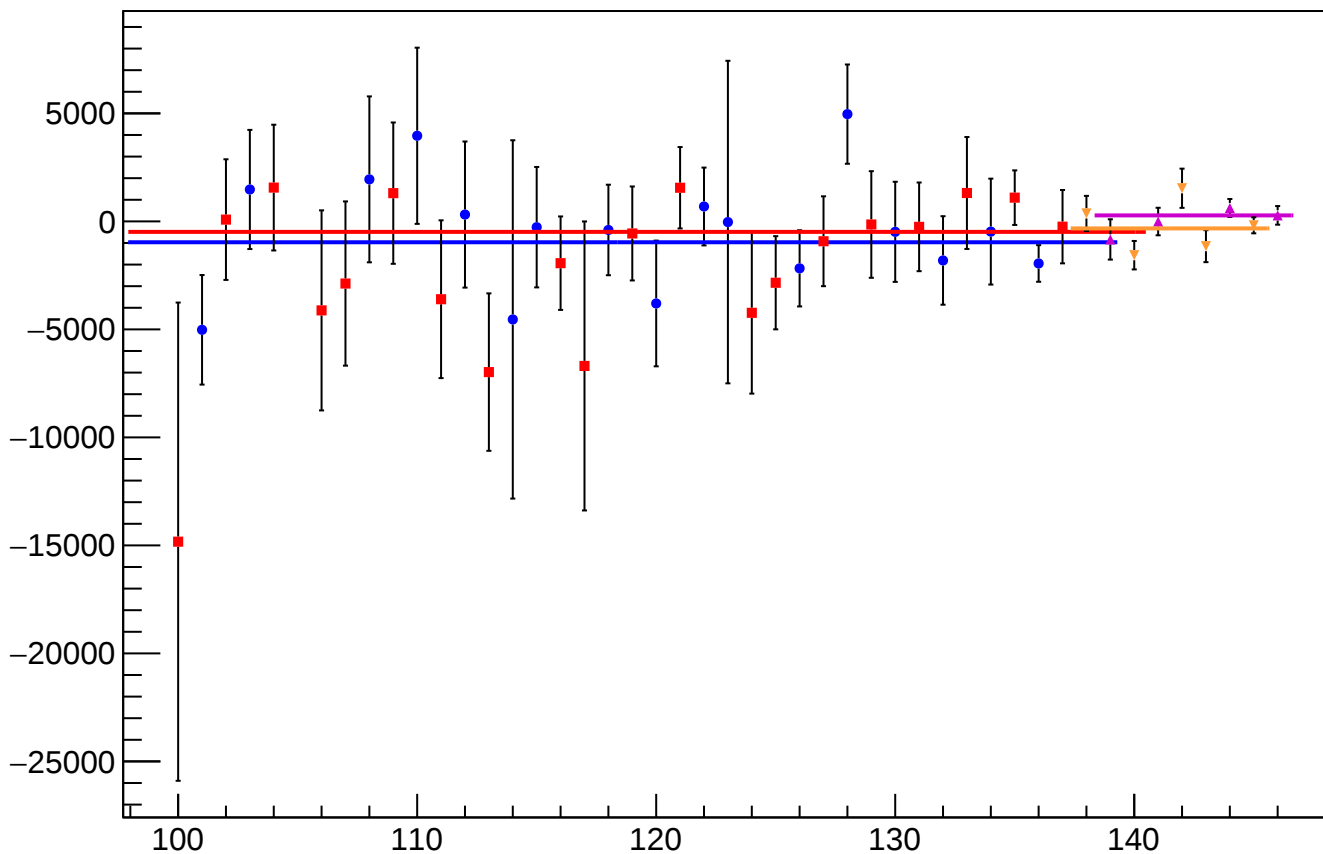
Right Out: 125.404+/-0.035 χ^2/NDF : 1334075.7/19

Left In: 84.107+/-0.034 χ^2/NDF :143009.7/3

103.137+/-0.024 χ^2/NDF : 1729985.6/21

103.939+/-0.024 χ^2/NDF : 2194760.5/23

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -325.894 ± 266.097 χ^2/NDF : 9.9/4

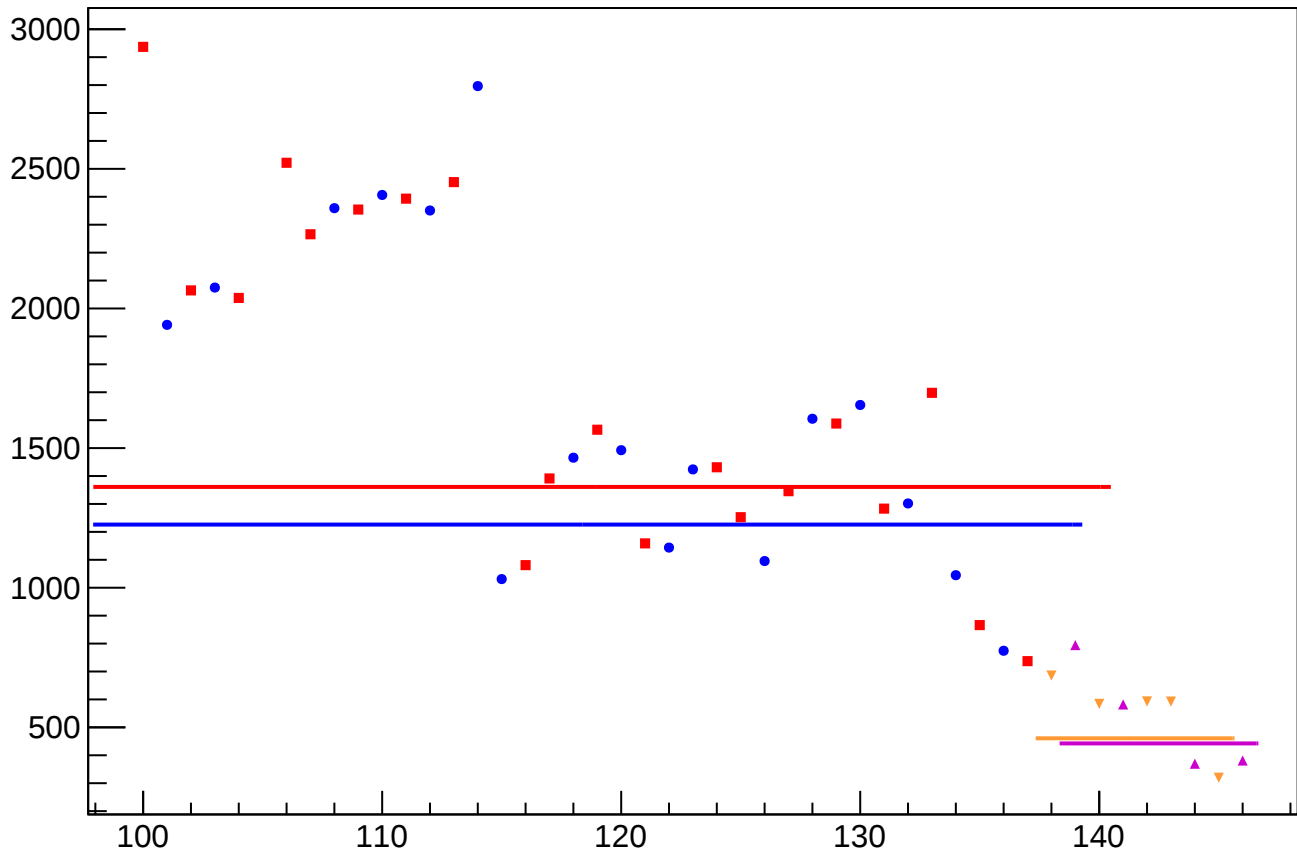
Right Out: -485.654 ± 543.567 χ^2/NDF : 14.3/19

Left In: 277.062 ± 260.351 χ^2/NDF : 2.3/3

-462.005 ± 236.146 χ^2/NDF : 27.5/21

134.739 ± 234.807 χ^2/NDF : 18.2/23

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 460.750+/-0.188 χ^2/NDF : 618243.8/4

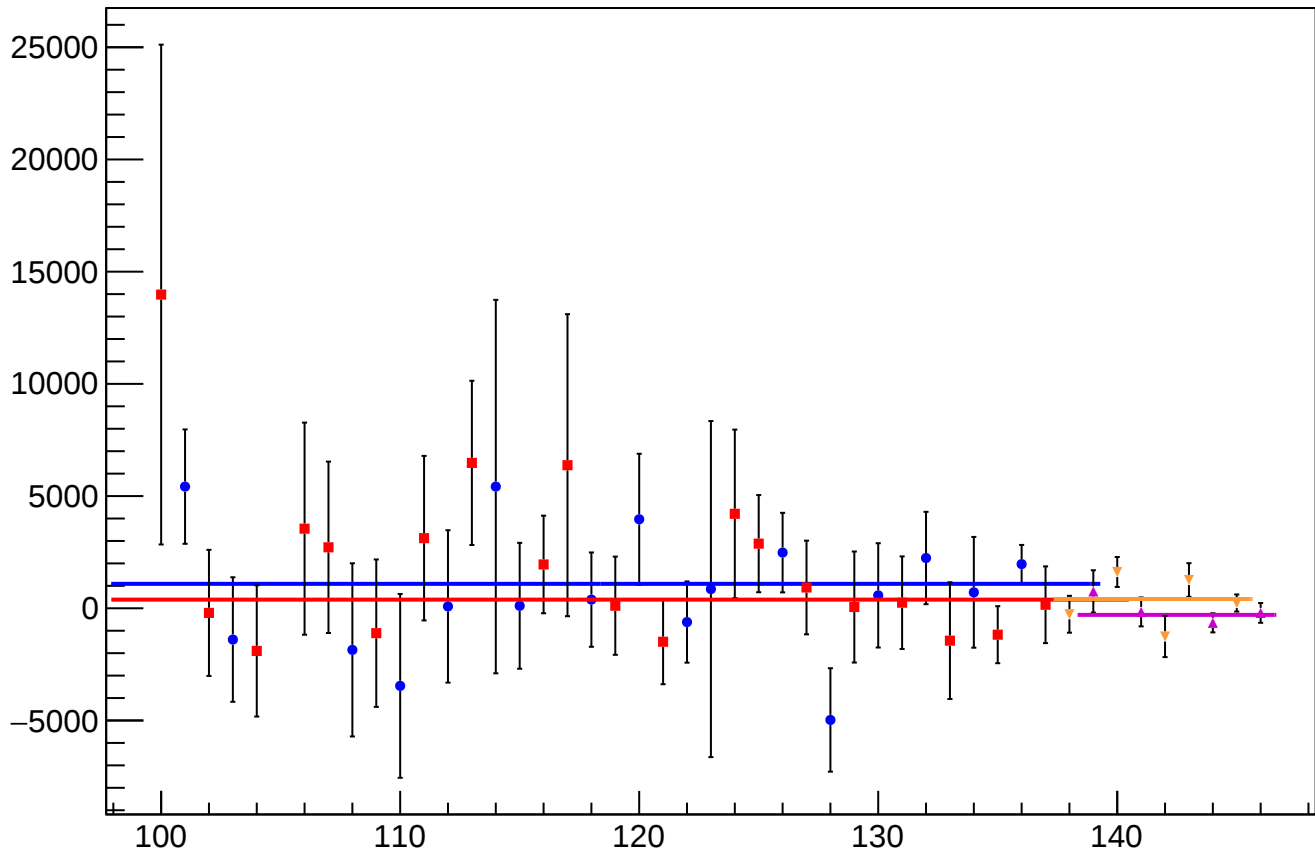
623.351+/-0.167 χ^2/NDF : 5889805.8/21

Right Out: 1360.972+/-0.384 χ^2/NDF : 1749116.2/19

613.850+/-0.166 χ^2/NDF : 6876143.2/23

Left In: 442.454+/-0.184 χ^2/NDF : 481850.4/3

asym_sam_26_avg_mean vs Slug



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 413.044+/-271.255 χ^2/NDF : 8.8/4

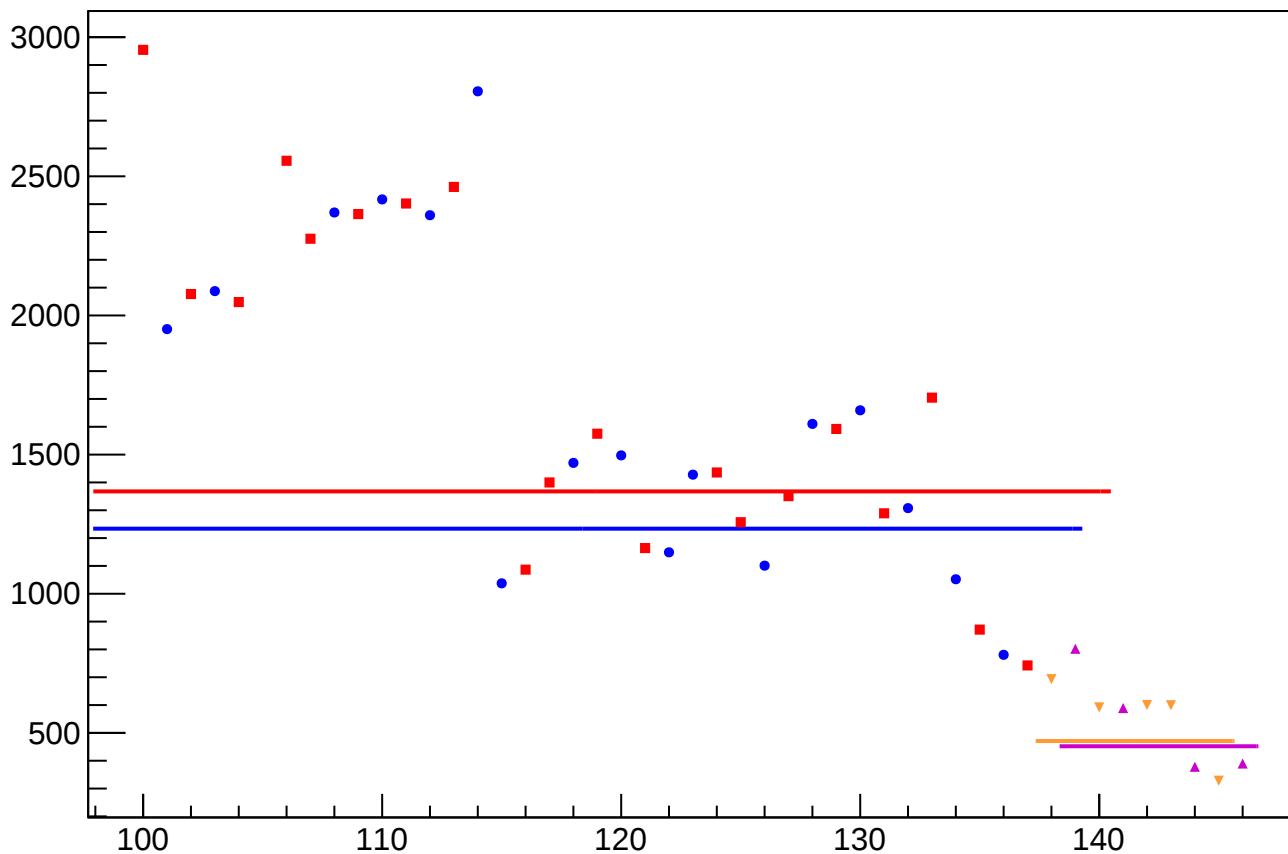
Right Out: 385.391+/-546.382 χ^2/NDF : 13.3/19

Left In: -293.966+/-265.500 χ^2/NDF : 2.0/3

559.737+/-240.027 χ^2/NDF : 27.0/21

-164.197+/-238.800 χ^2/NDF : 16.5/23

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 470.786+/-0.192 χ^2/NDF : 591483.5/4

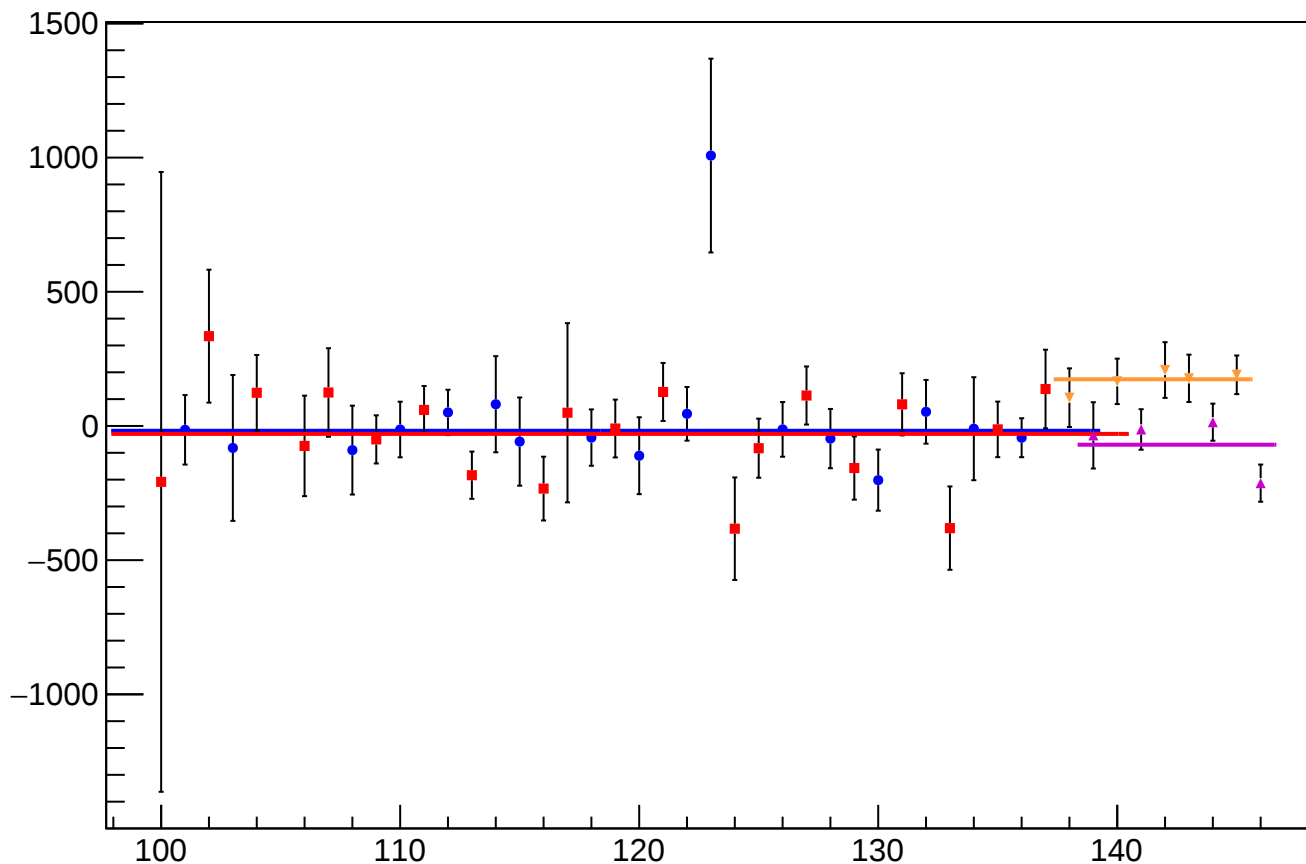
Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

Left In: 451.979+/-0.188 χ^2/NDF : 466475.8/3

636.369+/-0.170 χ^2/NDF : 5769990.0/21

626.922+/-0.169 χ^2/NDF : 6757010.5/23

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 174.027 ± 39.610 $\chi^2/\text{NDF}: 0.6/4$

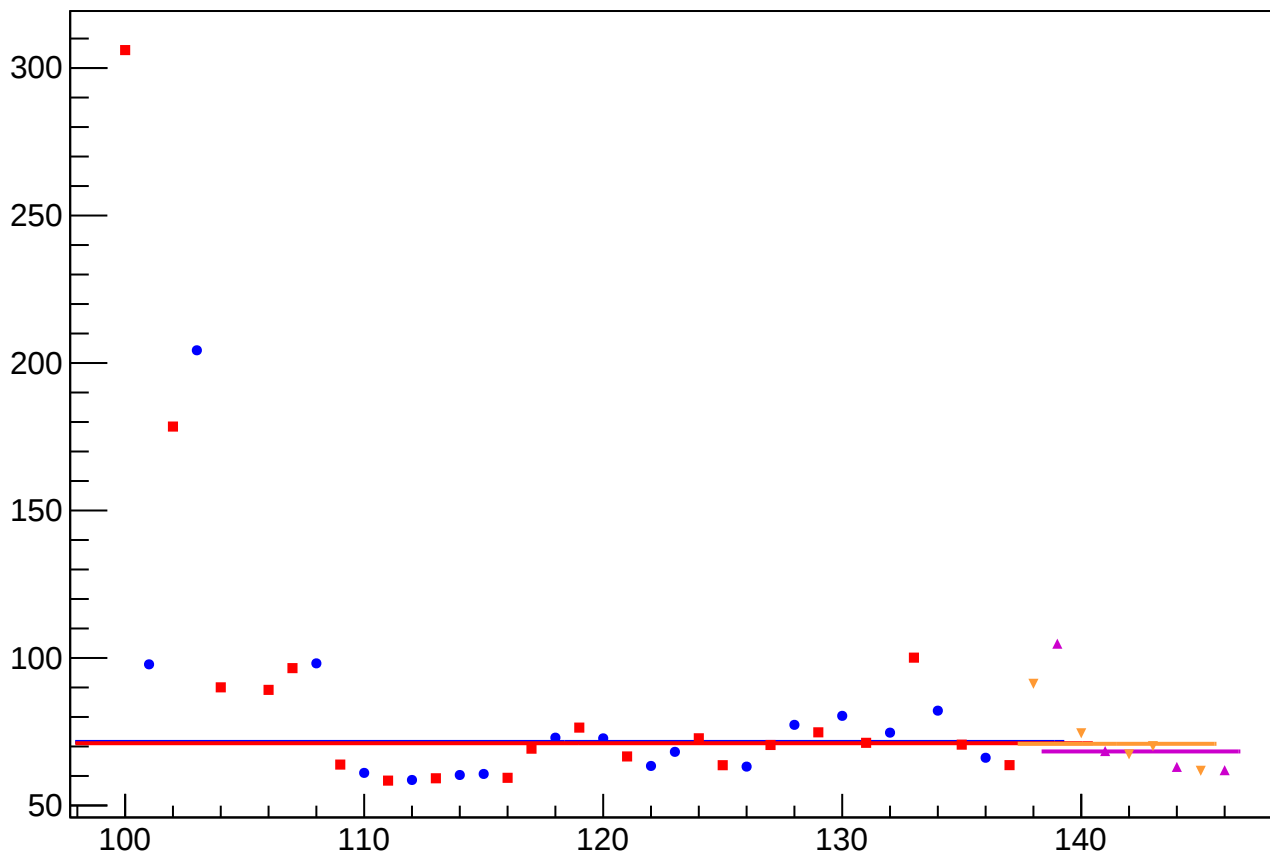
Right Out: -29.517 ± 27.879 $\chi^2/\text{NDF}: 27.5/19$

Left In: -69.886 ± 38.954 $\chi^2/\text{NDF}: 6.4/3$

48.571 ± 23.319 $\chi^2/\text{NDF}: 29.3/21$

-43.191 ± 22.671 $\chi^2/\text{NDF}: 34.6/23$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 70.903+/-0.028 χ^2/NDF :107665.4/4

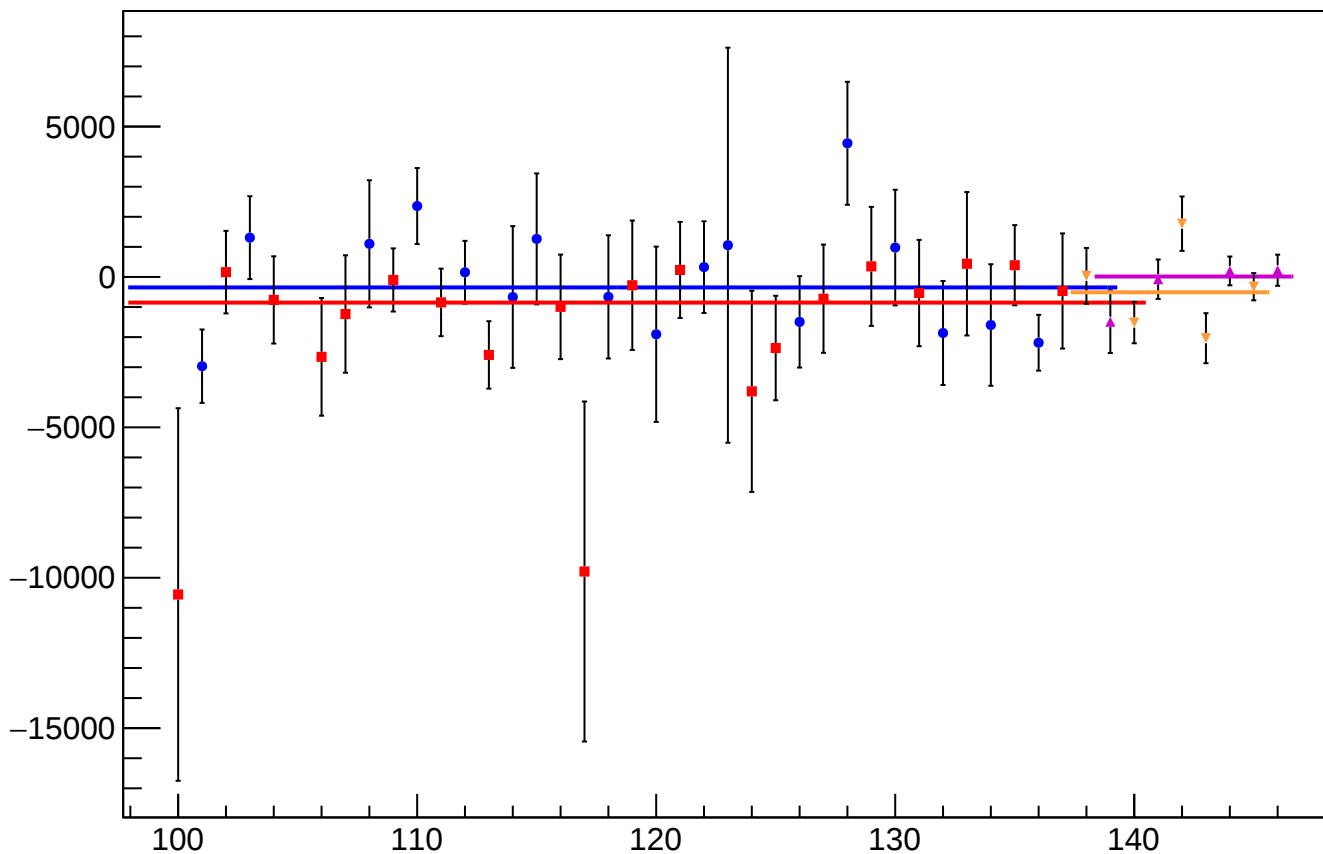
Right Out: 71.102+/-0.020 χ^2/NDF : 765220.8/19

Left In: 68.312+/-0.028 χ^2/NDF :203449.8/3

71.316+/-0.016 χ^2/NDF : 866960.7/21

70.157+/-0.016 χ^2/NDF : 975456.0/23

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 ± 381.994 χ^2/NDF : 24.1/16

Left Out: -509.552 ± 304.022 χ^2/NDF : 12.4/4

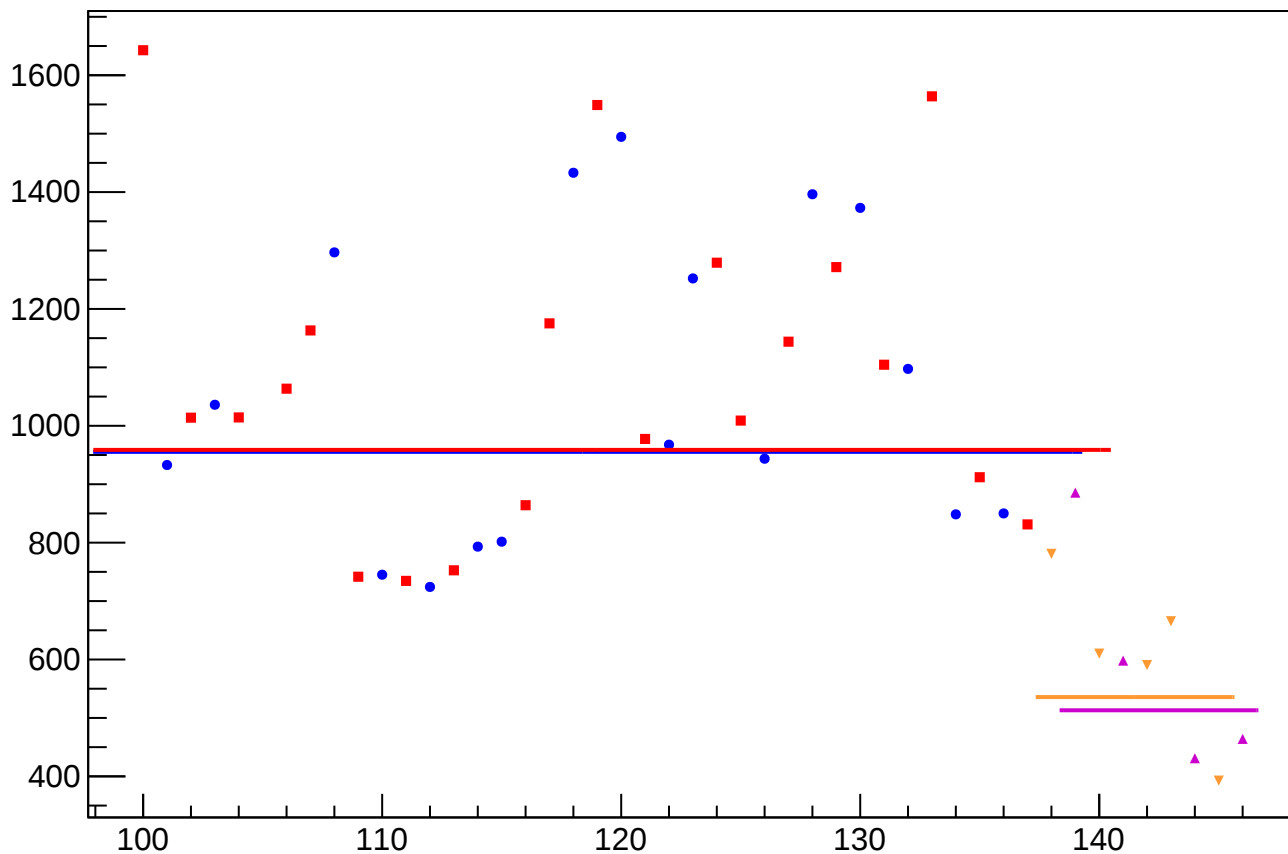
Right Out: -852.433 ± 369.018 χ^2/NDF : 13.0/19

Left In: 14.746 ± 296.773 χ^2/NDF : 2.4/3

-446.880 ± 237.878 χ^2/NDF : 36.6/21

-325.841 ± 231.263 χ^2/NDF : 18.8/23

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 535.714+/-0.215 χ^2/NDF : 418694.3/4

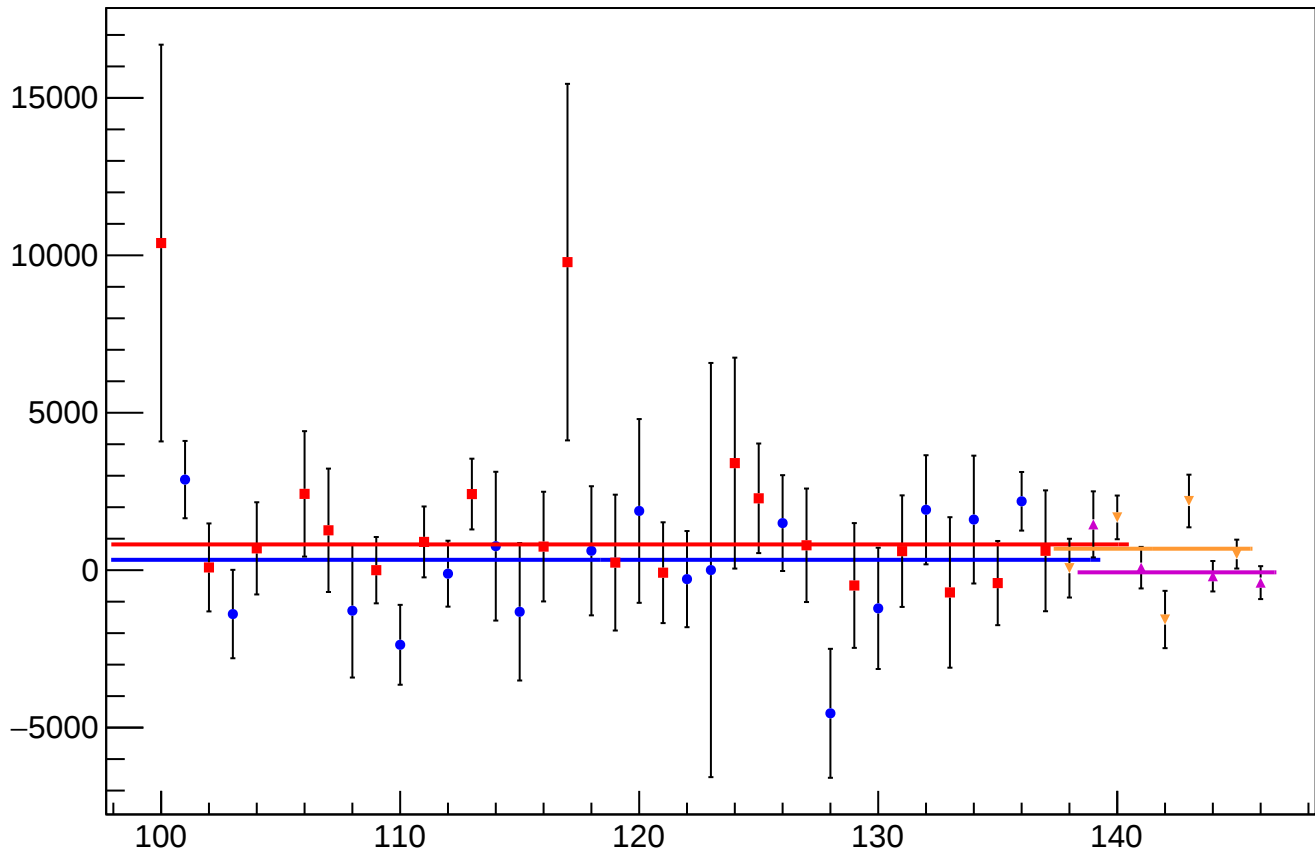
Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

Left In: 513.101+/-0.210 χ^2/NDF : 366273.4/3

698.474+/-0.168 χ^2/NDF : 2543359.9/21

688.141+/-0.164 χ^2/NDF : 2833785.3/23

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 681.606 ± 306.977 χ^2/NDF : 12.0/4

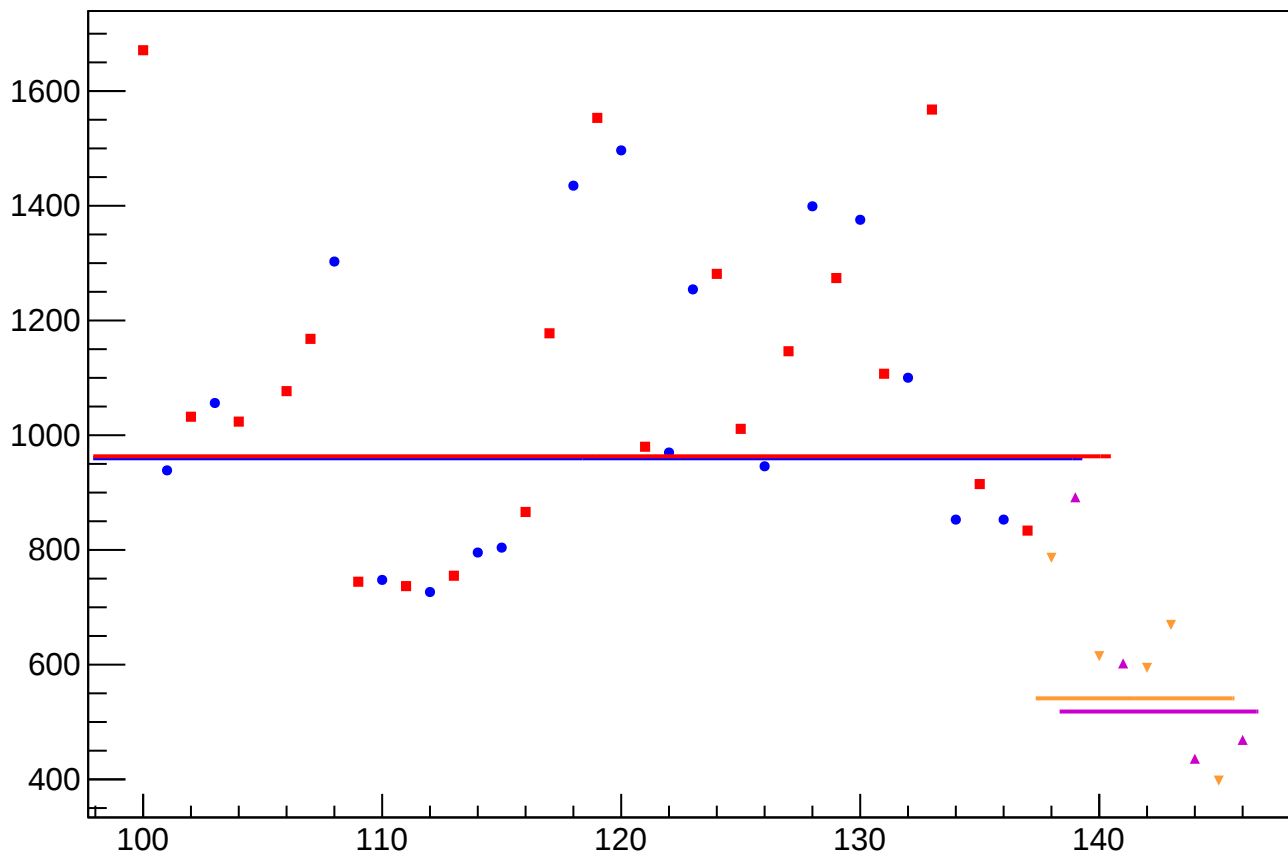
Right Out: 818.253 ± 370.875 χ^2/NDF : 11.8/19

Left In: -68.456 ± 299.603 χ^2/NDF : 2.6/3

544.071 ± 239.710 χ^2/NDF : 36.8/21

281.695 ± 233.058 χ^2/NDF : 17.9/23

asym_sam_37_avg_rms vs Slug



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 541.270+/-0.217 χ^2/NDF : 409413.5/4

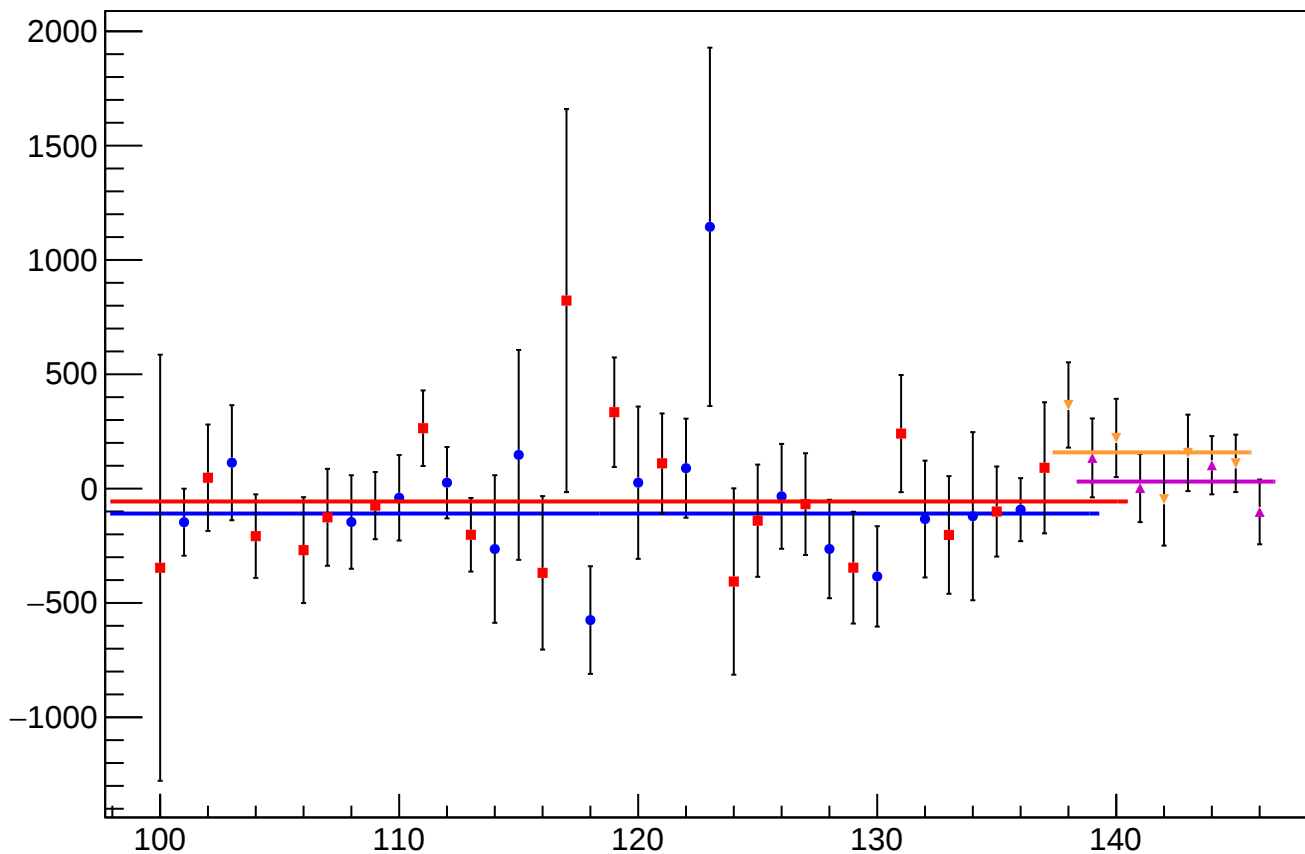
Right Out: 963.238+/-0.262 χ^2/NDF : 698638.3/19

Left In: 518.252+/-0.212 χ^2/NDF : 361764.0/3

704.584+/-0.170 χ^2/NDF : 2506703.2/21

693.972+/-0.165 χ^2/NDF : 2802619.3/23

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 $\chi^2/\text{NDF}: 12.0/16$

Left Out: 158.486 ± 73.234 $\chi^2/\text{NDF}: 2.5/4$

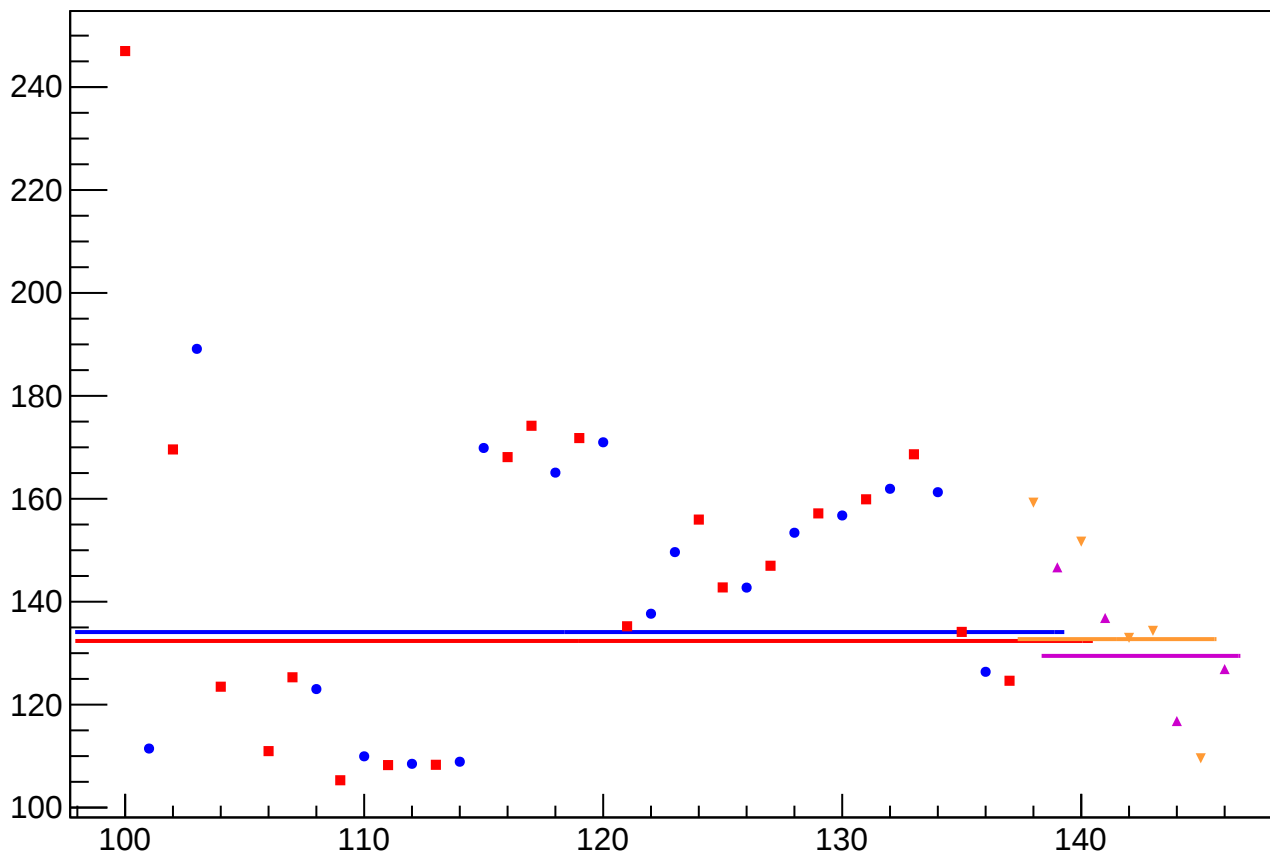
Right Out: -56.241 ± 50.729 $\chi^2/\text{NDF}: 16.0/19$

Left In: 30.826 ± 72.550 $\chi^2/\text{NDF}: 1.6/3$

-17.219 ± 42.895 $\chi^2/\text{NDF}: 23.3/21$

-27.651 ± 41.574 $\chi^2/\text{NDF}: 18.5/23$

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 132.731+/-0.052 χ^2/NDF :133207.1/4

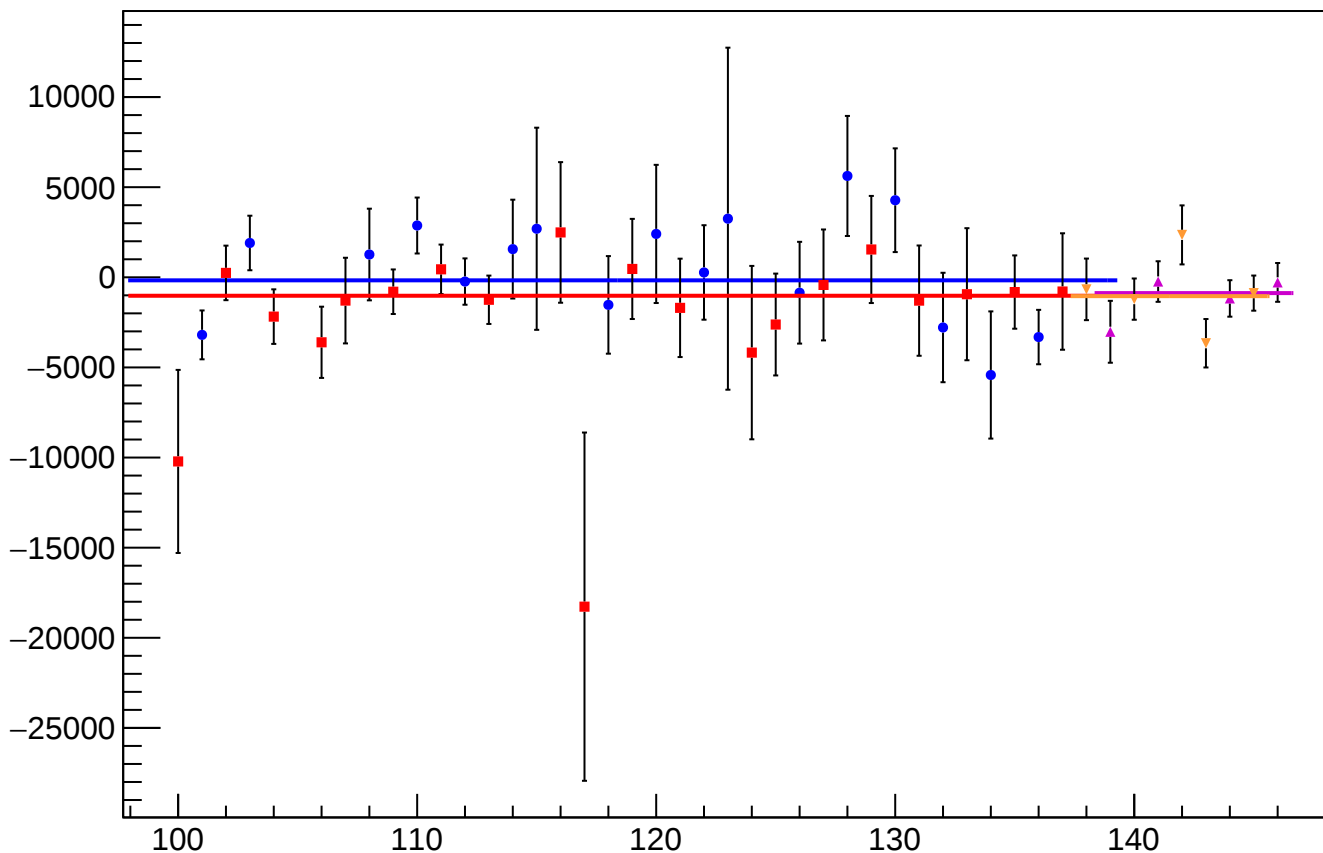
Right Out: 132.373+/-0.036 χ^2/NDF : 446741.9/19

Left In: 129.474+/-0.051 χ^2/NDF :45175.4/3

133.633+/-0.030 χ^2/NDF : 536249.4/21

131.421+/-0.029 χ^2/NDF : 494061.8/23

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -1045.102 ± 569.311 χ^2/NDF : 8.2/4

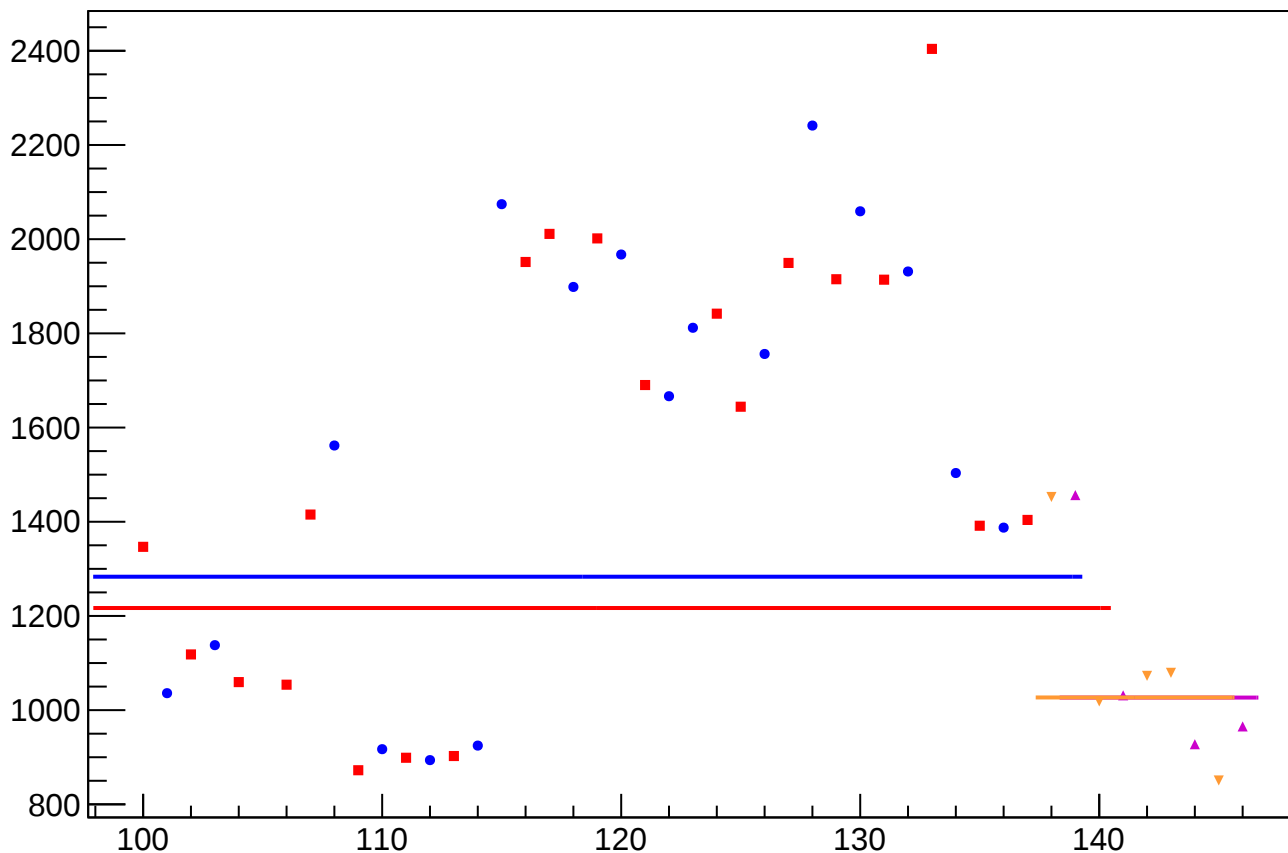
Right Out: -1023.271 ± 480.373 χ^2/NDF : 13.4/19

Left In: -875.852 ± 580.374 χ^2/NDF : 2.3/3

-570.118 ± 385.418 χ^2/NDF : 34.8/21

-963.337 ± 370.057 χ^2/NDF : 15.7/23

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1026.910+/-0.403 χ^2/NDF :194300.4/4

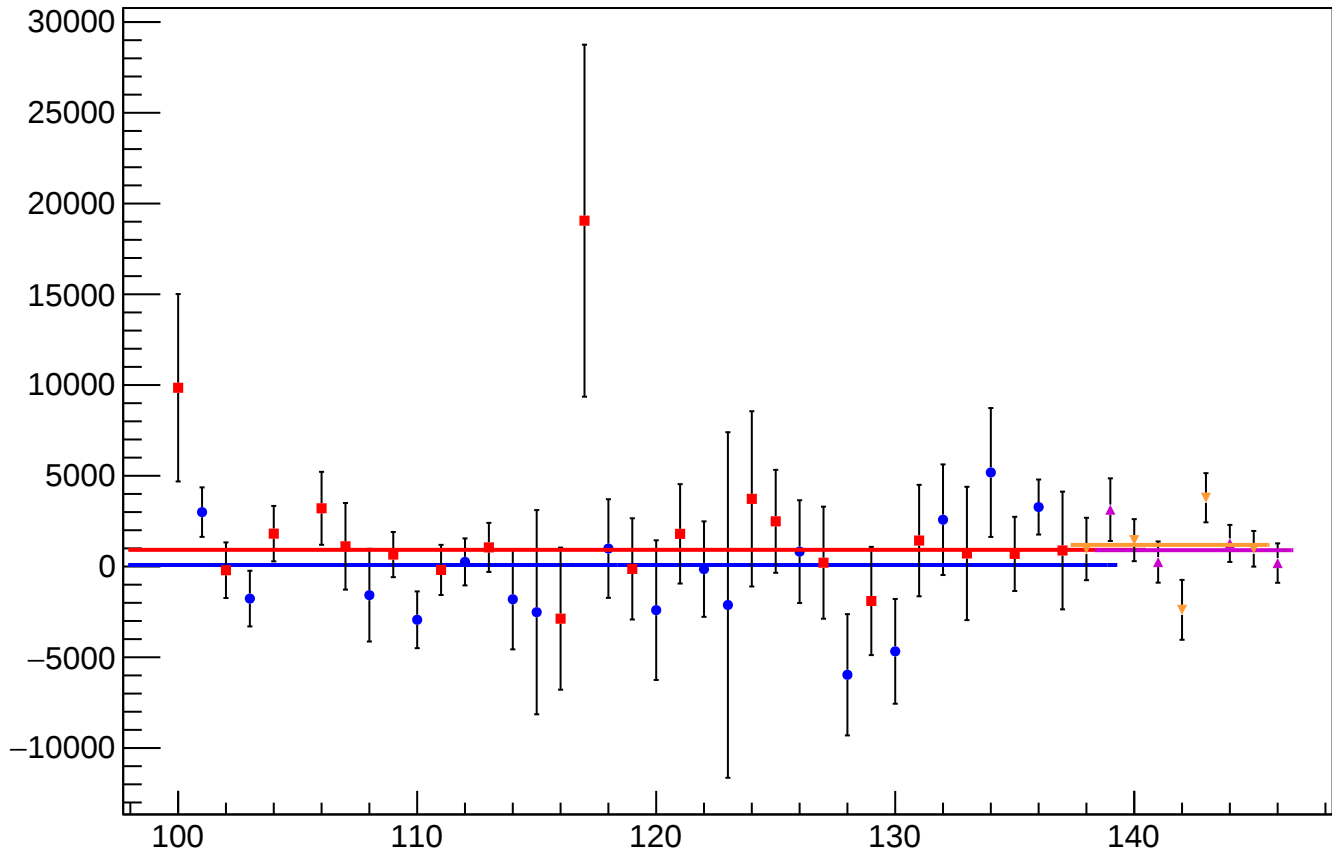
Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

Left In: 1026.680+/-0.410 χ^2/NDF :151087.8/3

1165.802+/-0.273 χ^2/NDF : 1583487.0/21

1139.536+/-0.262 χ^2/NDF : 1652937.7/23

asym_sam_48_avg_mean vs Slug



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 1191.726+/-574.276 χ^2/NDF : 8.5/4

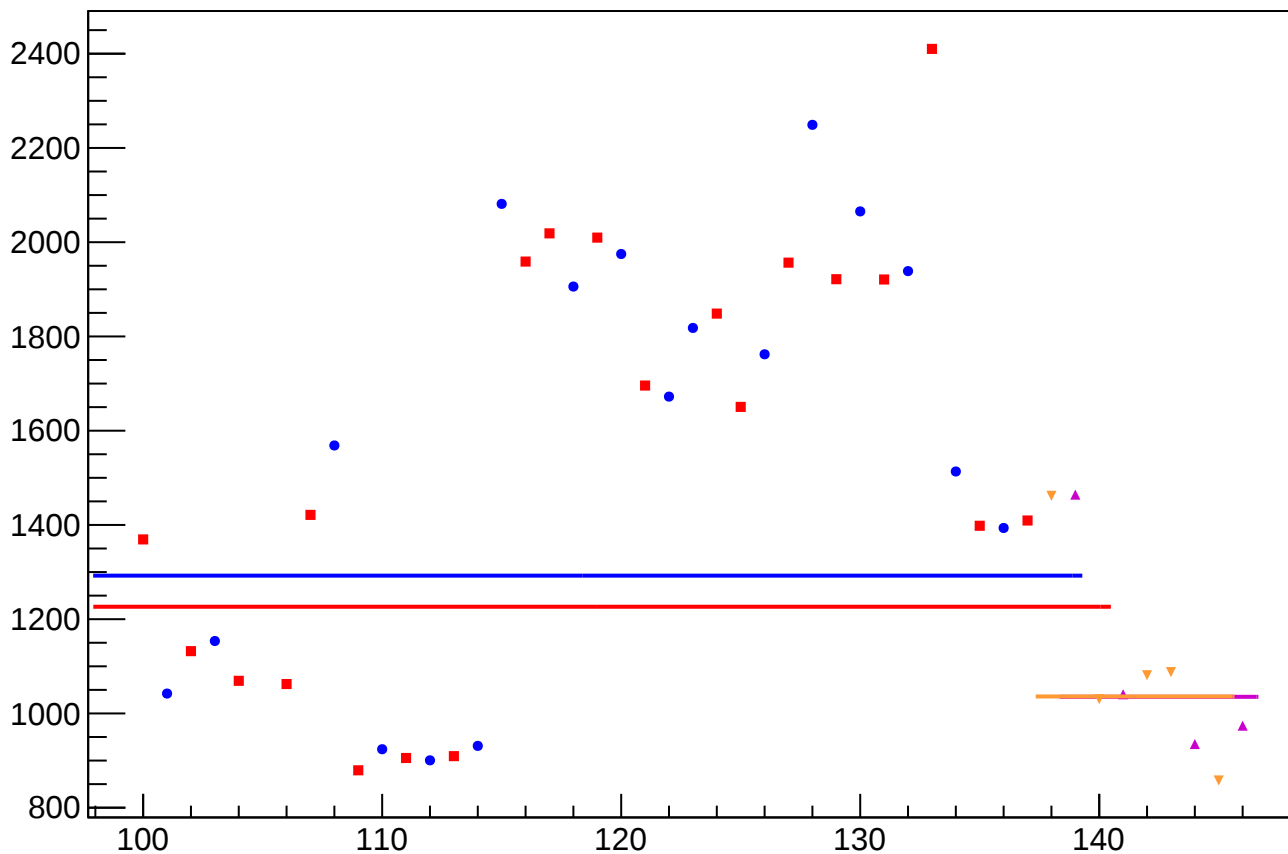
Right Out: 919.892+/-484.043 χ^2/NDF : 12.2/19

Left In: 900.141+/-585.136 χ^2/NDF : 2.6/3

591.068+/-388.318 χ^2/NDF : 35.2/21

911.867+/-372.969 χ^2/NDF : 14.8/23

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1036.015+/-0.406 χ^2/NDF :192942.5/4

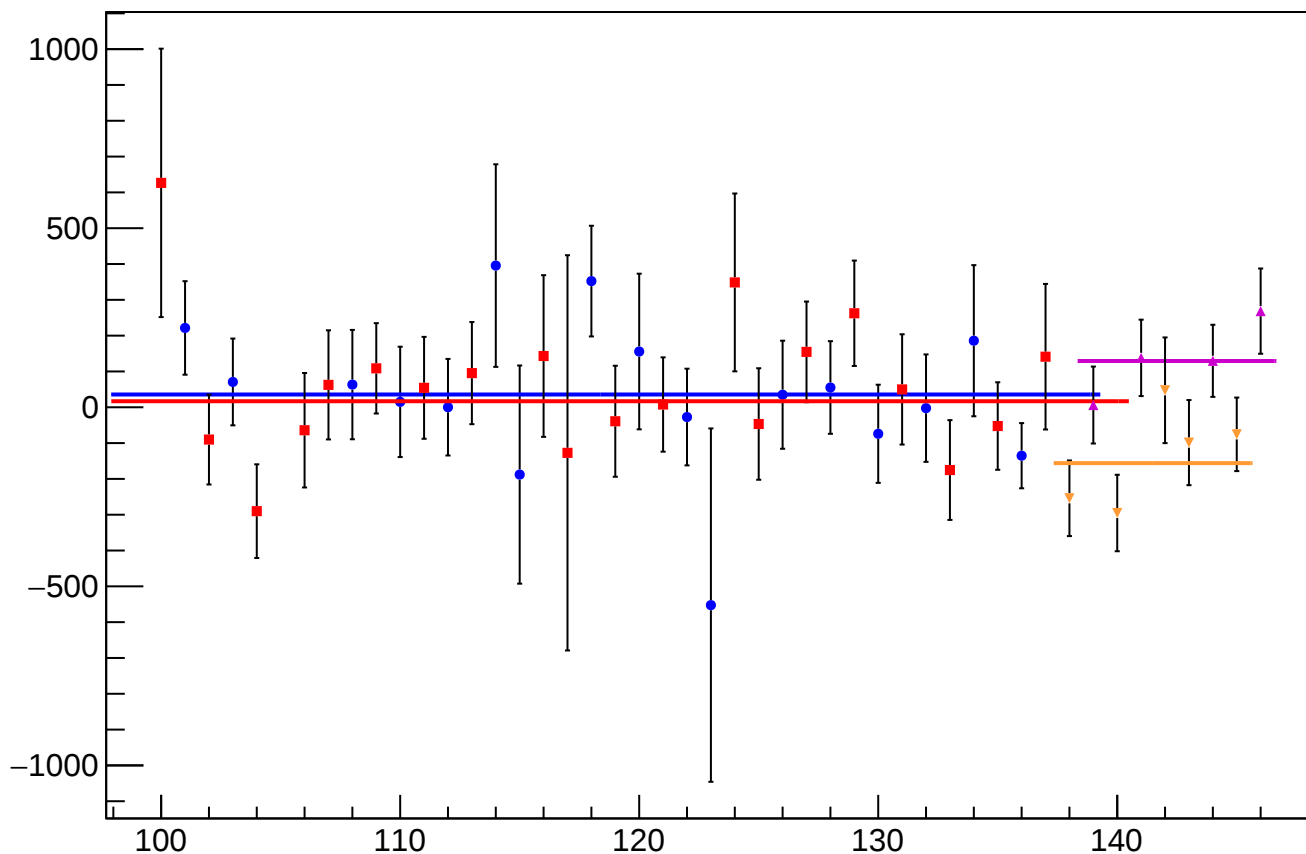
Right Out: 1226.408+/-0.342 χ^2/NDF : 1359134.9/19

Left In: 1035.303+/-0.414 χ^2/NDF :149304.2/3

1175.188+/-0.275 χ^2/NDF : 1565928.3/21

1148.765+/-0.264 χ^2/NDF : 1635099.3/23

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$

Left Out: -155.970 ± 50.698 $\chi^2/\text{NDF}: 5.3/4$

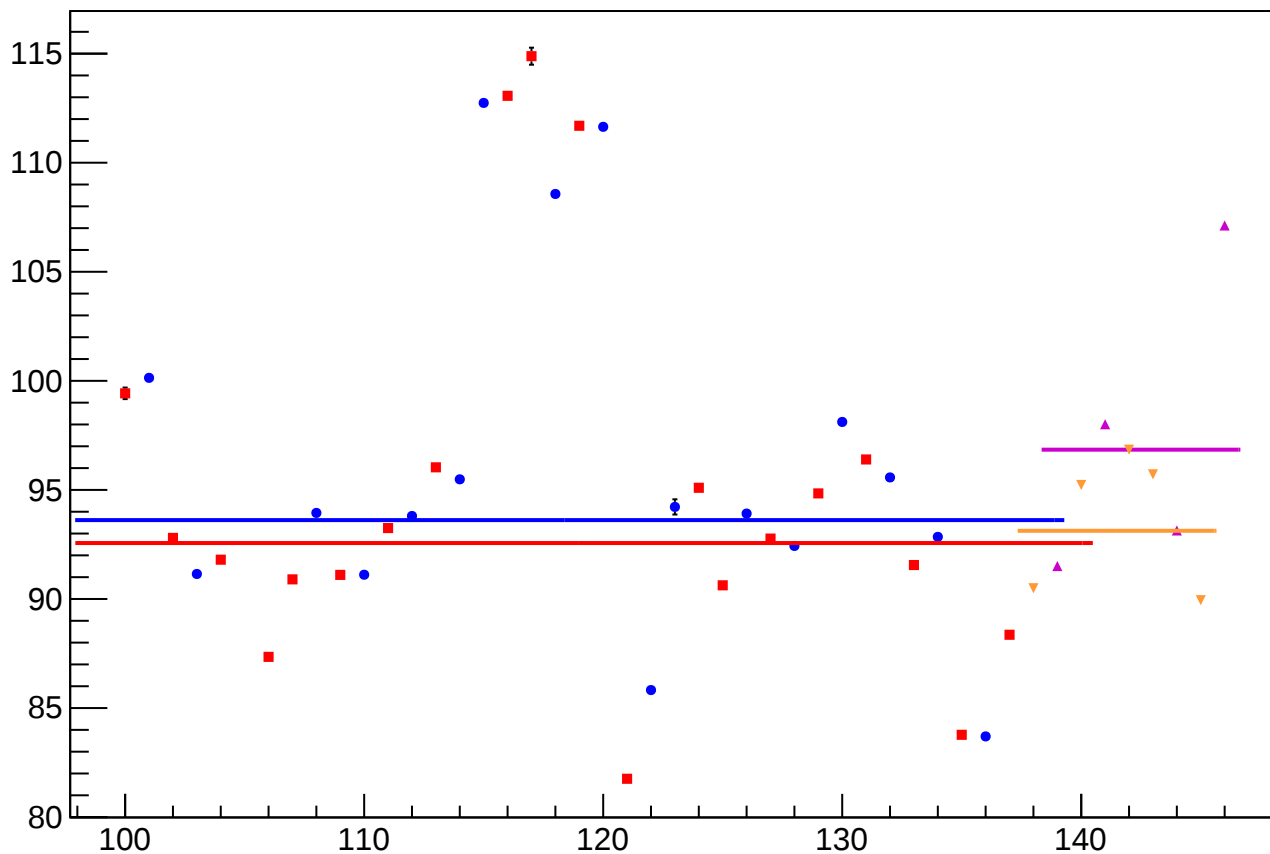
Right Out: 16.849 ± 34.623 $\chi^2/\text{NDF}: 19.0/19$

Left In: 129.186 ± 53.936 $\chi^2/\text{NDF}: 2.7/3$

-29.393 ± 29.542 $\chi^2/\text{NDF}: 30.0/21$

49.631 ± 29.136 $\chi^2/\text{NDF}: 24.7/23$

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2 /NDF: 79928.5/16

Left Out: 93.126+/-0.036 χ^2 /NDF:6159.2/4

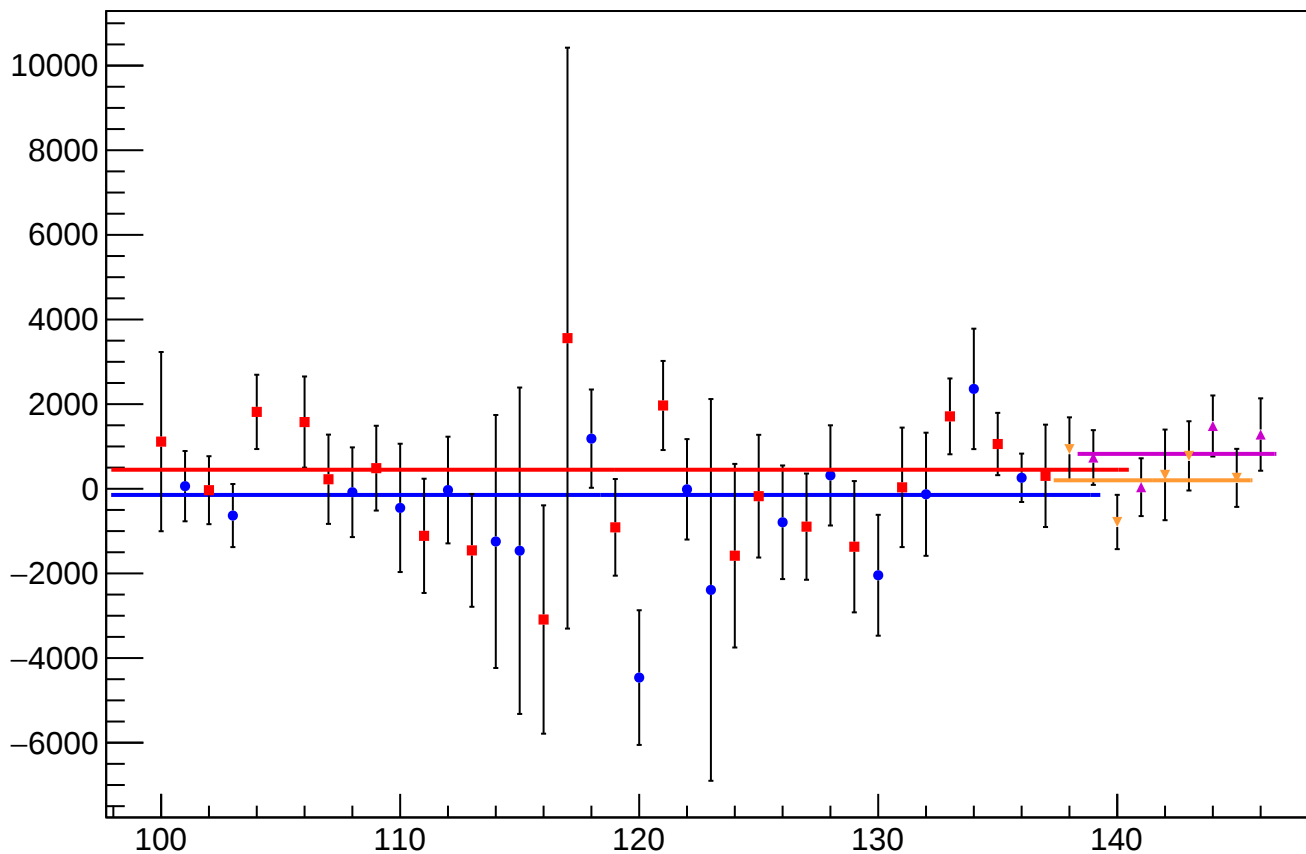
Right Out: 92.565+/-0.024 χ^2 /NDF: 81875.5/19

Left In: 96.845+/-0.038 χ^2 /NDF:22788.3/3

93.450+/-0.021 χ^2 /NDF: 86211.0/21

93.814+/-0.021 χ^2 /NDF: 113580.8/23

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 200.421 ± 339.266 χ^2/NDF : 3.8/4

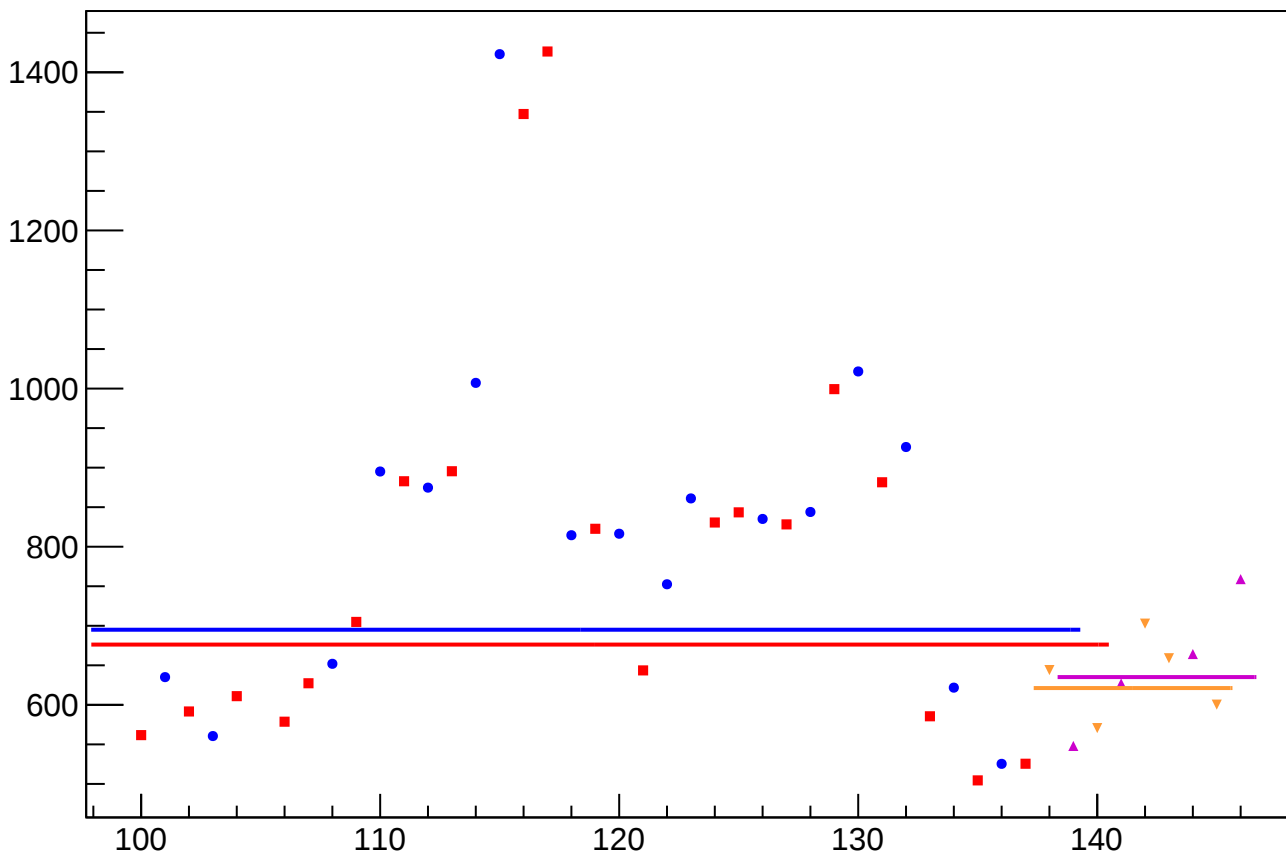
Right Out: 450.047 ± 260.089 χ^2/NDF : 19.2/19

Left In: 824.587 ± 357.461 χ^2/NDF : 2.5/3

-7.338 ± 214.394 χ^2/NDF : 19.9/21

579.694 ± 210.310 χ^2/NDF : 22.4/23

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 ± 0.196 χ^2/NDF : 677713.0/16

Left Out: 621.241 ± 0.240 χ^2/NDF : 31982.6/4

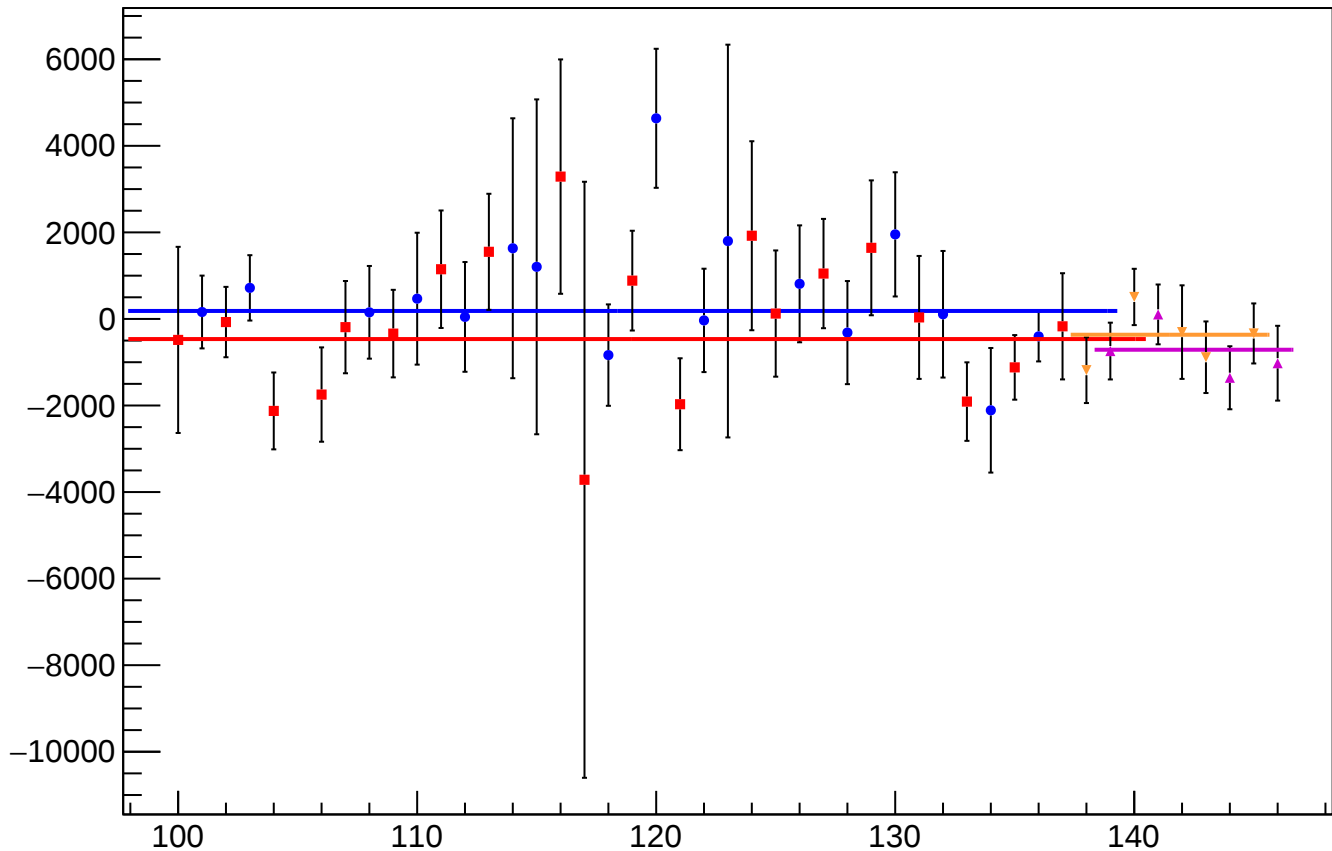
Right Out: 676.229 ± 0.184 χ^2/NDF : 700313.6/19

Left In: 635.129 ± 0.253 χ^2/NDF : 81734.8/3

665.554 ± 0.152 χ^2/NDF : 766497.8/21

662.002 ± 0.149 χ^2/NDF : 799336.4/23

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -364.945 ± 343.161 χ^2/NDF : 3.4/4

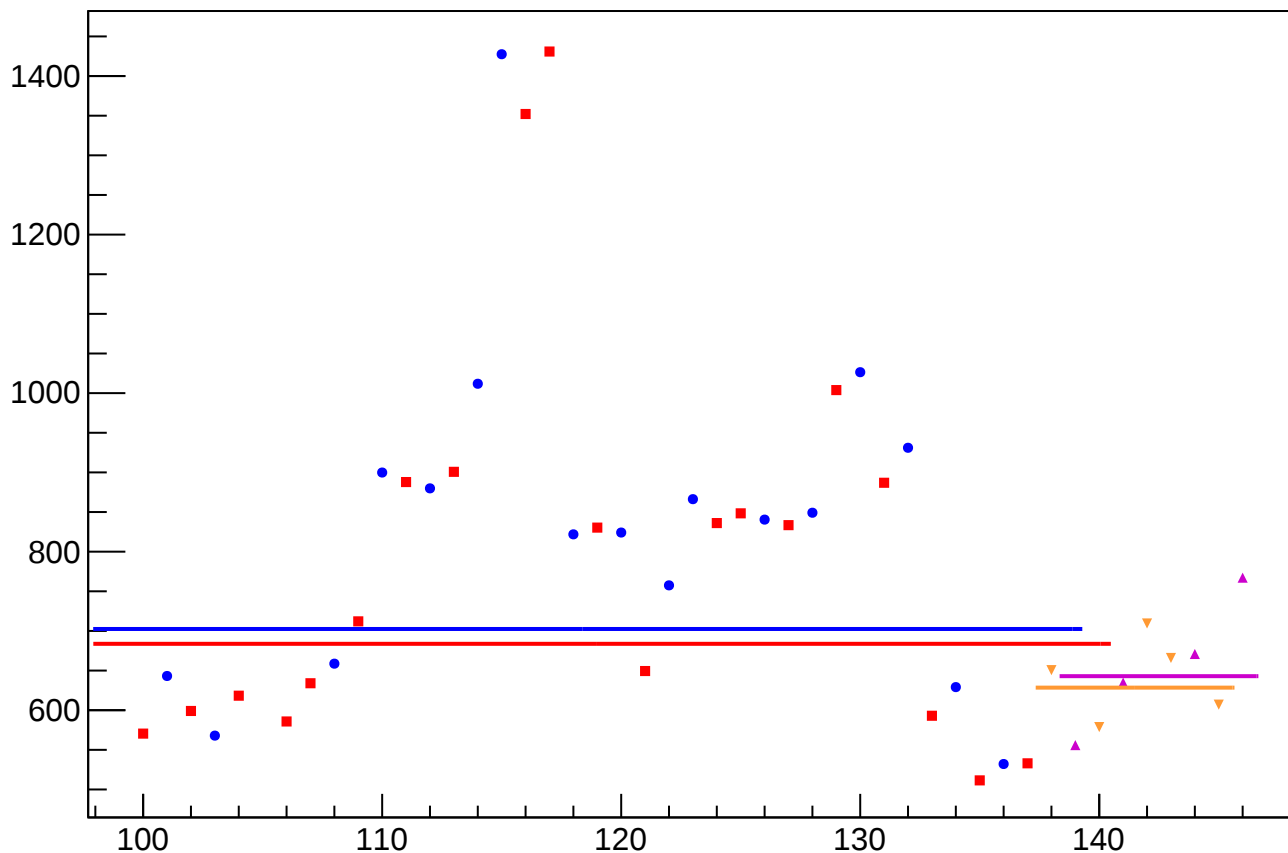
Right Out: -464.916 ± 262.768 χ^2/NDF : 22.5/19

Left In: -711.573 ± 361.731 χ^2/NDF : 2.3/3

-34.514 ± 216.662 χ^2/NDF : 19.8/21

-550.115 ± 212.597 χ^2/NDF : 25.1/23

asym_sam_15_dd_rms vs Slug



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 628.481+/-0.243 χ^2/NDF : 30616.1/4

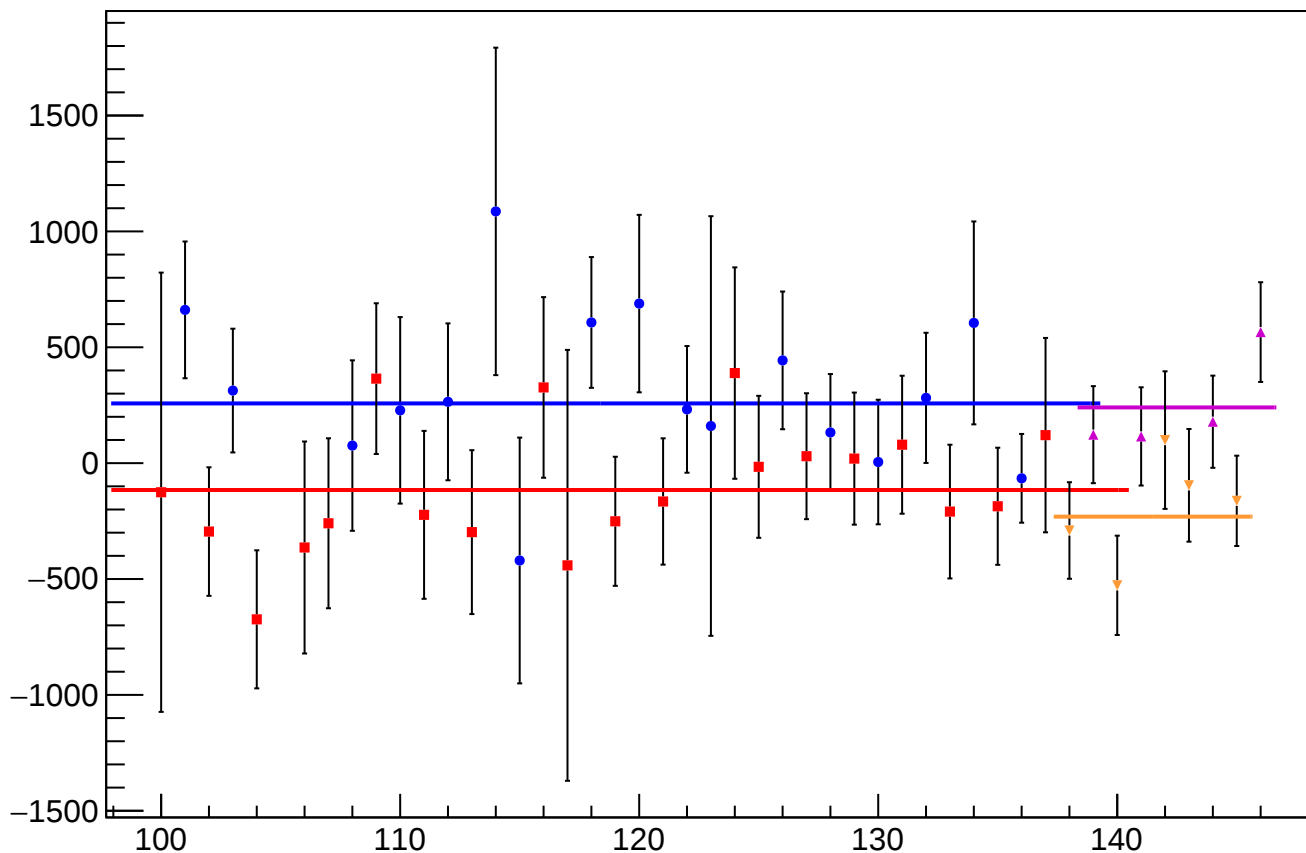
Right Out: 683.751+/-0.186 χ^2/NDF : 683105.3/19

Left In: 642.940+/-0.256 χ^2/NDF : 79727.6/3

672.975+/-0.153 χ^2/NDF : 747053.3/21

669.654+/-0.150 χ^2/NDF : 779497.3/23

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -230.805 $\pm$ 100.297 χ^2 /NDF: 3.7/4

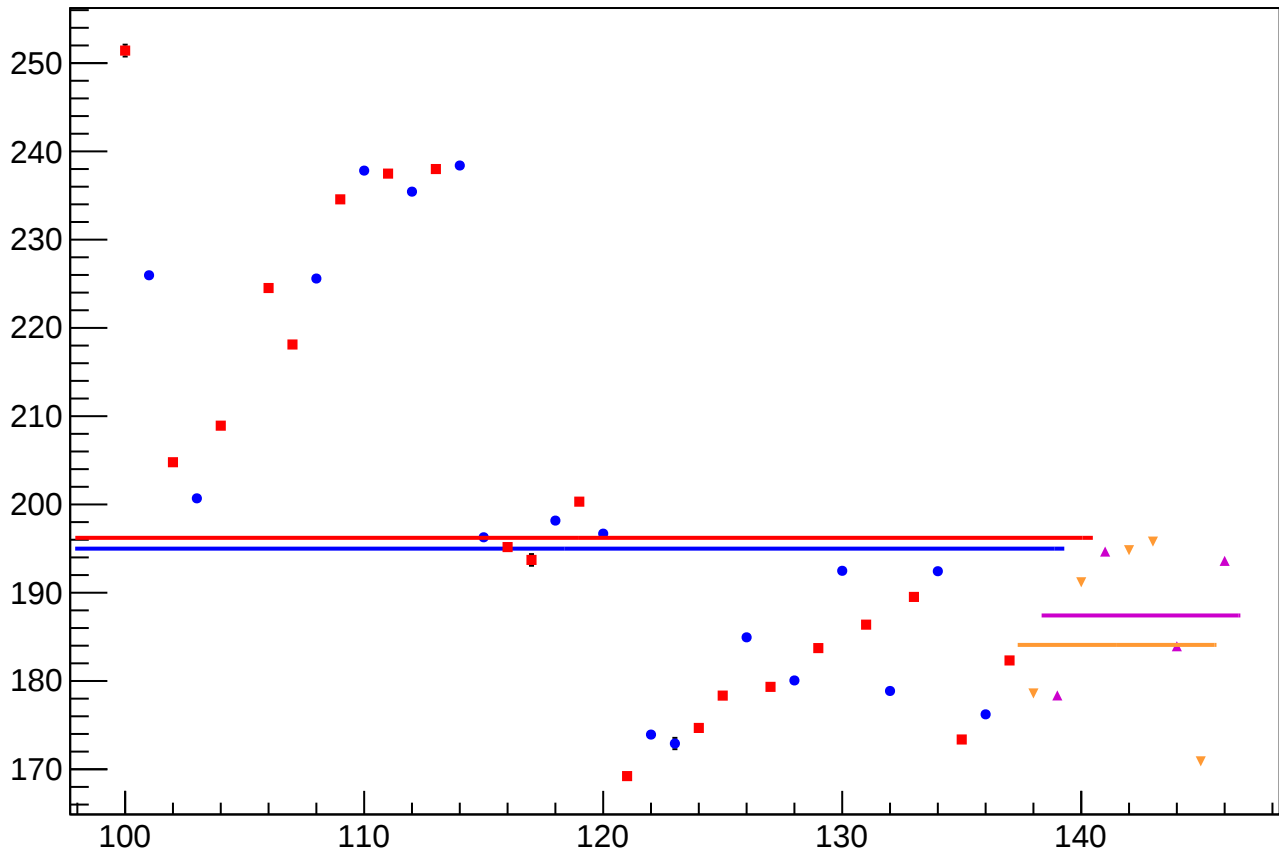
Right Out: -115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

Left In: 240.449 $\pm$ 104.276 χ^2 /NDF: 3.0/3

79.736 $\pm$ 60.539 χ^2 /NDF: 31.7/21

3.387 $\pm$ 60.335 χ^2 /NDF: 22.2/23

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 ± 0.054 χ^2/NDF : 144271.1/16

Left Out: 184.088 ± 0.071 χ^2/NDF : 19996.4/4

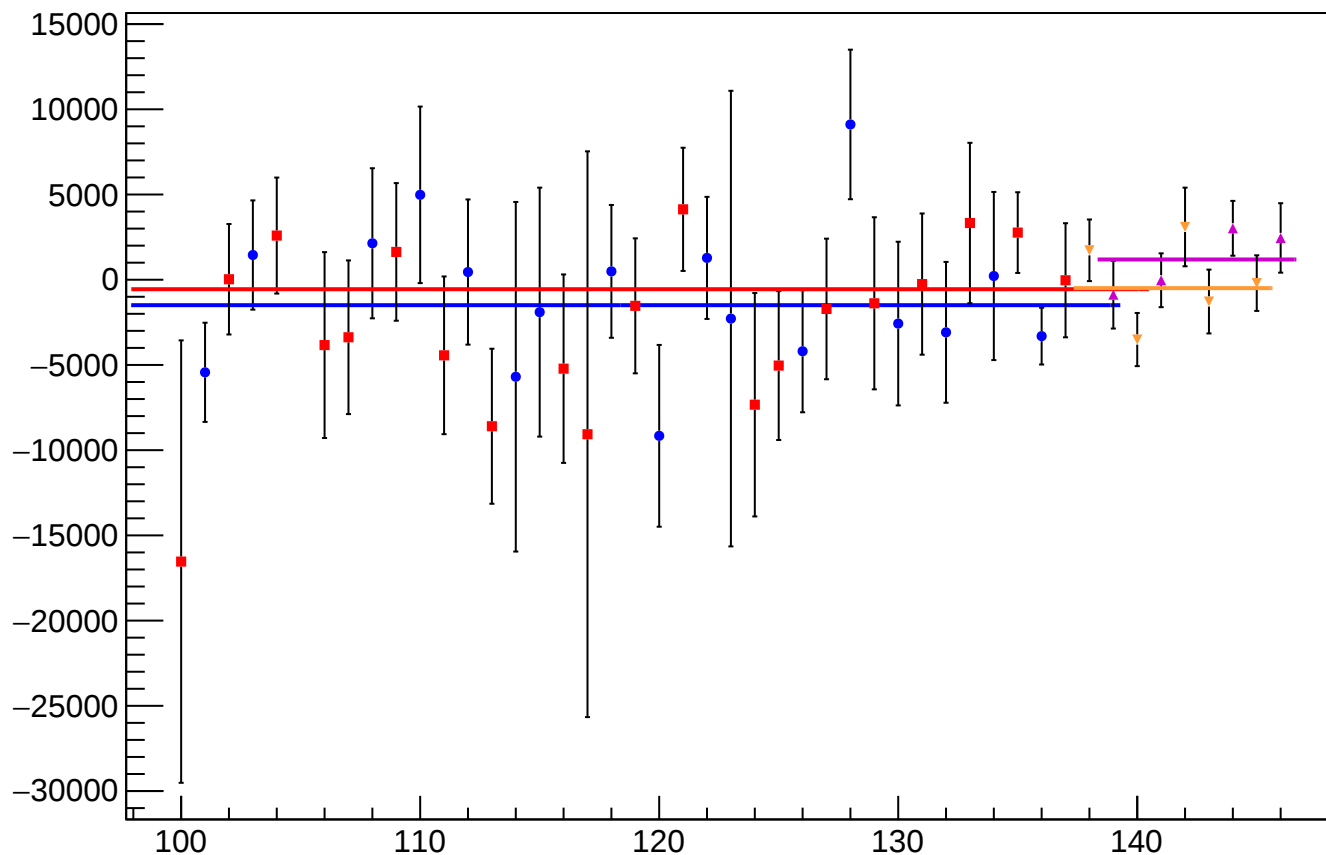
Right Out: 196.219 ± 0.052 χ^2/NDF : 173506.2/19

Left In: 187.423 ± 0.074 χ^2/NDF : 8346.3/3

191.021 ± 0.043 χ^2/NDF : 179300.1/21

193.274 ± 0.043 χ^2/NDF : 191319.1/23

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280+/-910.834 χ^2/NDF : 16.1/16

Left Out: -493.270+/-799.149 χ^2/NDF : 7.9/4

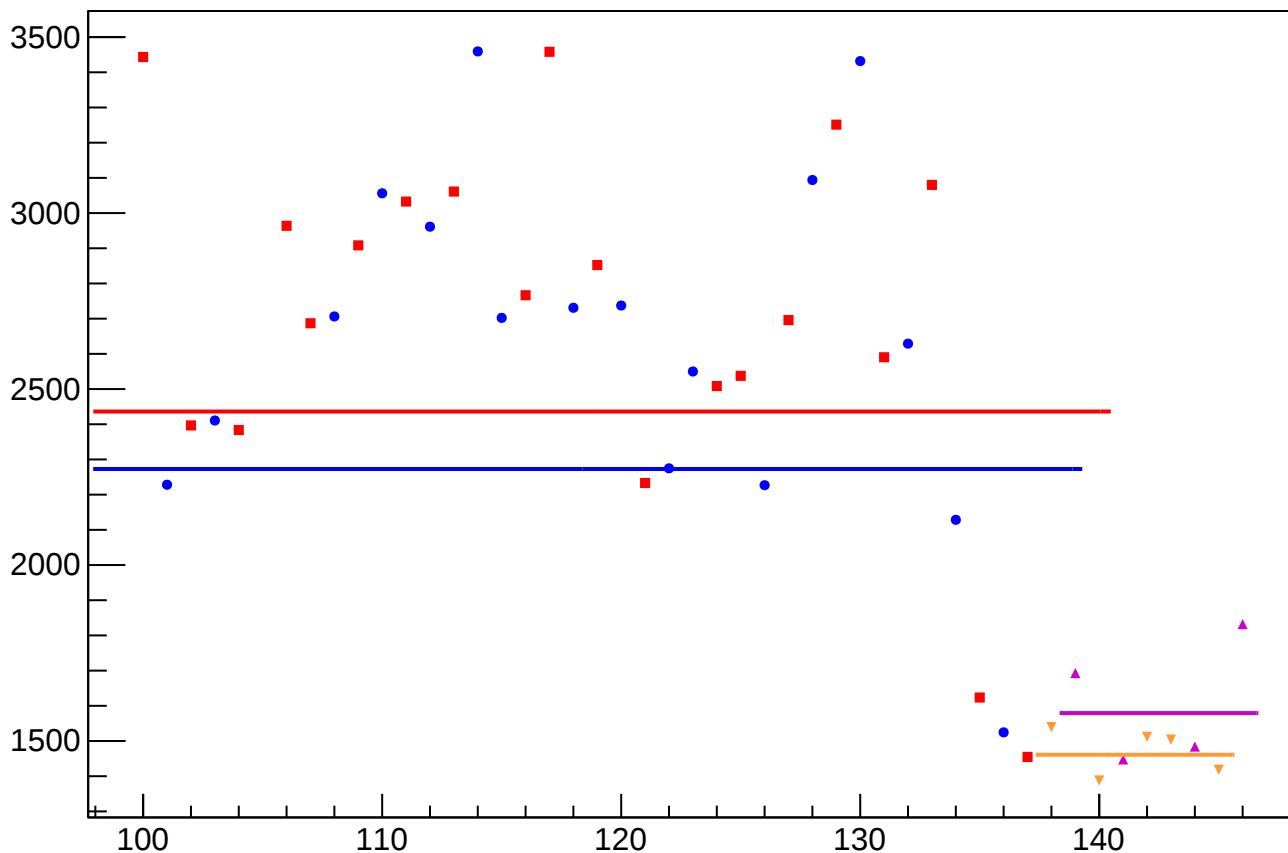
Right Out: -555.744+/-933.239 χ^2/NDF : 14.9/19

Left In: 1188.313+/-883.300 χ^2/NDF : 3.4/3

-928.239+/-600.711 χ^2/NDF : 24.7/21

364.195+/-641.516 χ^2/NDF : 20.1/23

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1460.910+/-0.565 χ^2/NDF : 11579.2/4

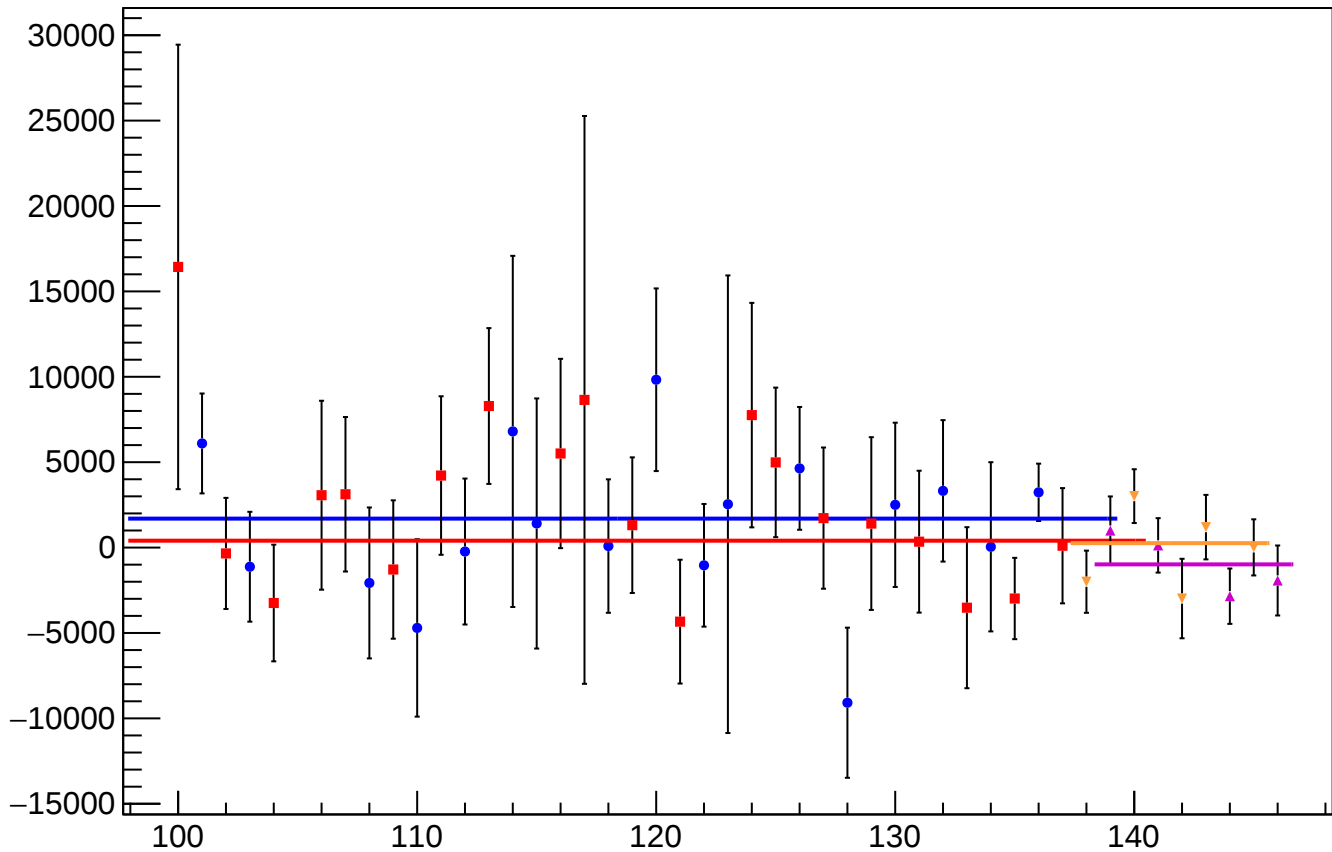
Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

Left In: 1579.397+/-0.625 χ^2/NDF : 58241.6/3

1814.089+/-0.425 χ^2/NDF : 1715301.4/21

1984.257+/-0.454 χ^2/NDF : 1635825.5/23

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 260.039 $\pm$ 805.731 χ^2 /NDF: 6.8/4

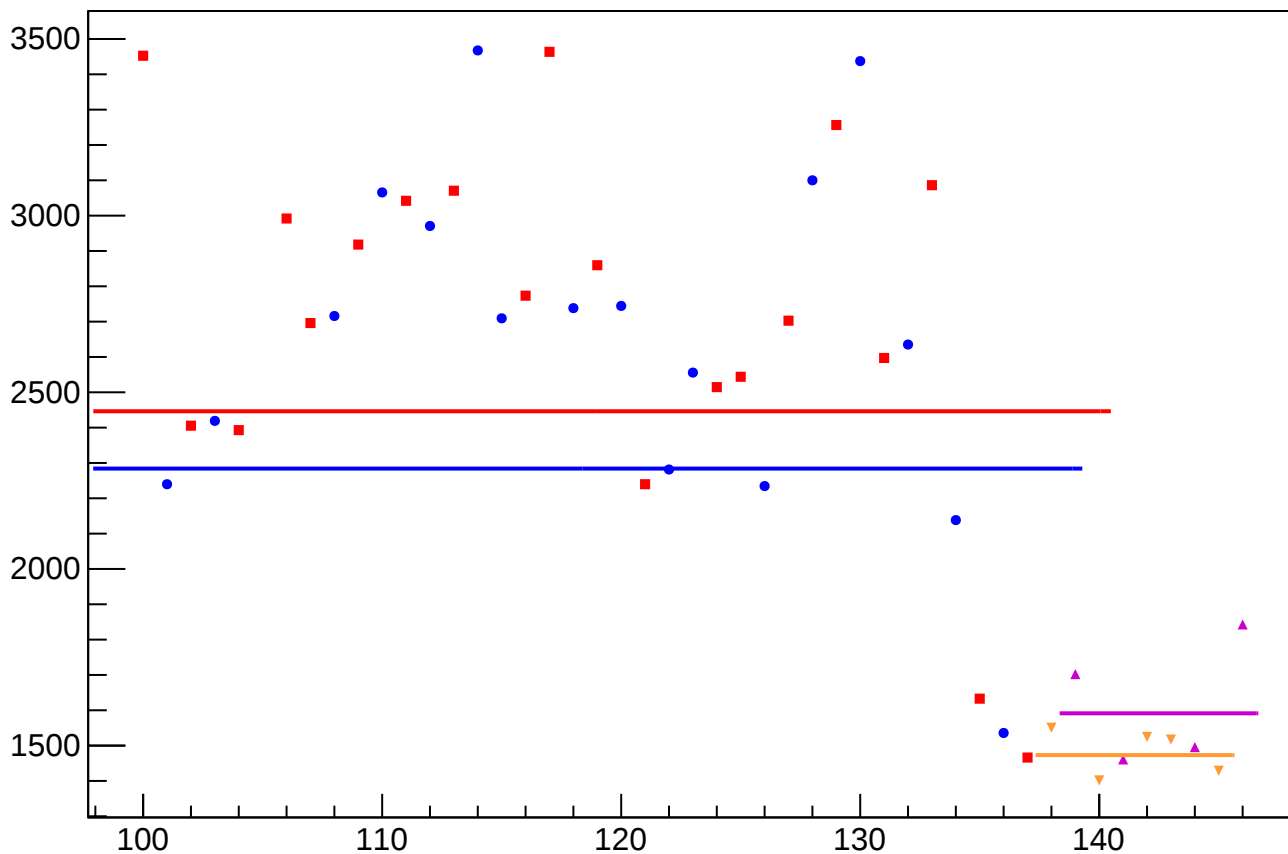
Right Out: 403.904 $\pm$ 937.036 χ^2 /NDF: 15.2/19

Left In: -983.405 $\pm$ 889.838 χ^2 /NDF: 3.0/3

887.293 $\pm$ 604.657 χ^2 /NDF: 24.8/21

-325.568 $\pm$ 645.251 χ^2 /NDF: 19.4/23

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1473.163+/-0.570 χ^2/NDF : 11271.8/4

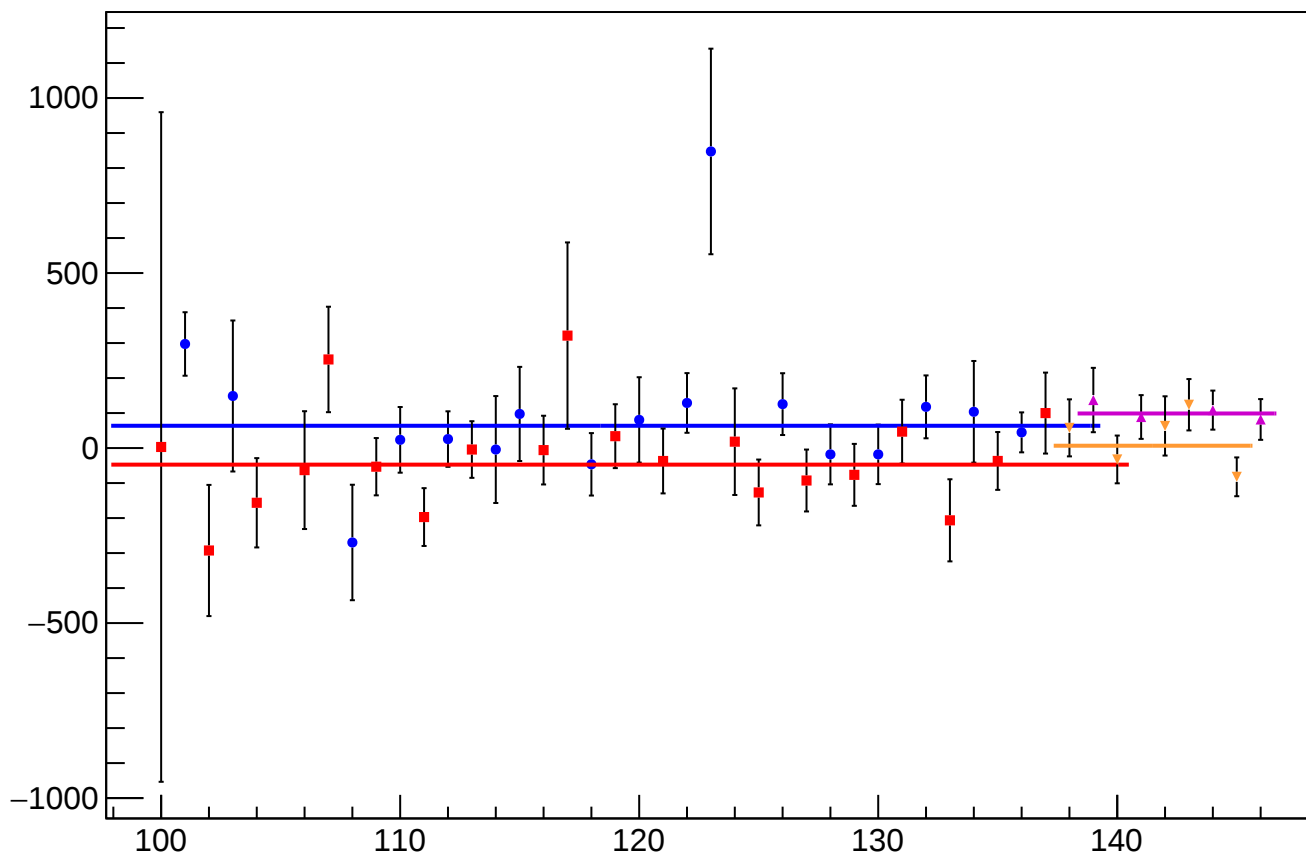
Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

Left In: 1591.378+/-0.629 χ^2/NDF : 56679.6/3

1827.408+/-0.428 χ^2/NDF : 1690261.0/21

1996.798+/-0.456 χ^2/NDF : 1612627.1/23

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 +/- 23.743 χ^2/NDF : 23.7/16

Left Out: 6.665 +/- 31.368 χ^2/NDF : 6.3/4

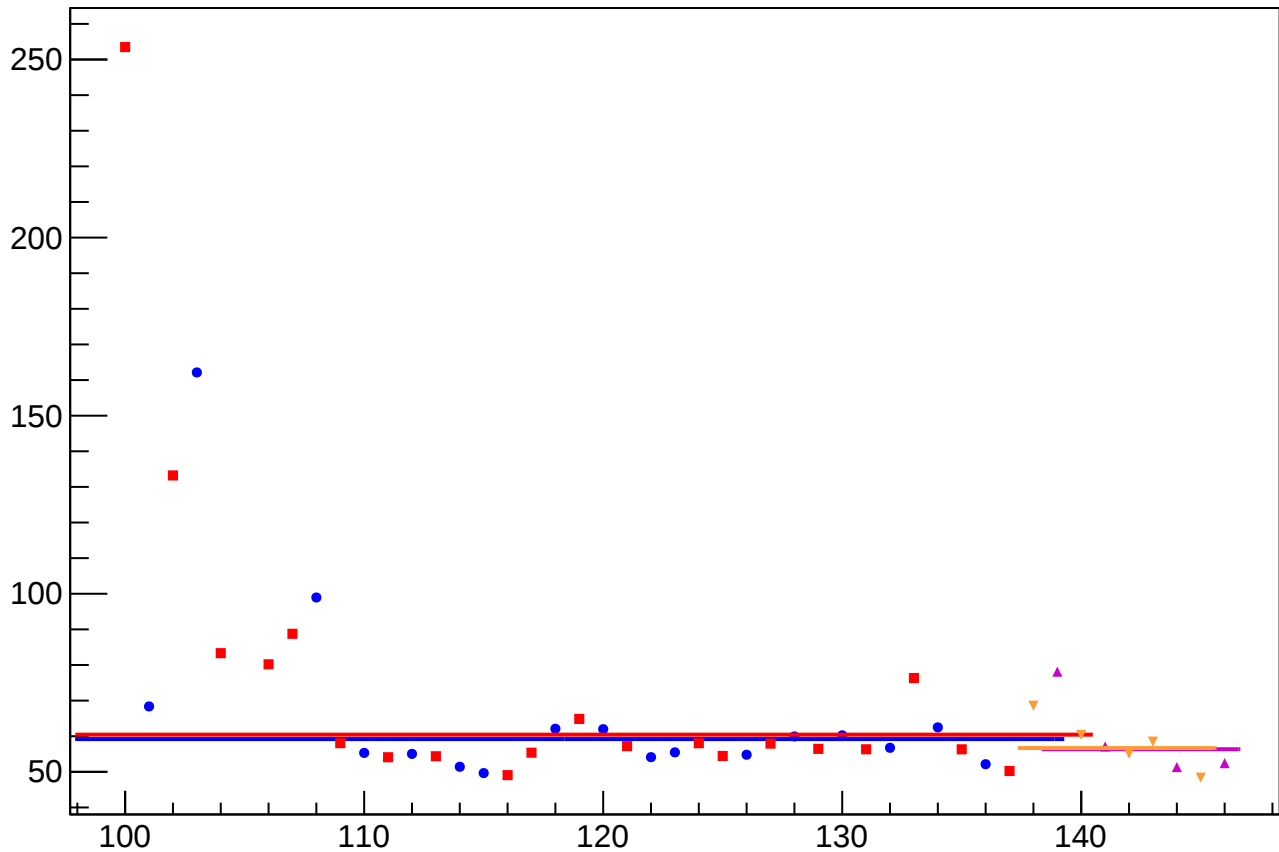
Right Out: -47.367 +/- 23.568 χ^2/NDF : 18.7/19

Left In: 98.790 +/- 31.768 χ^2/NDF : 0.3/3

42.904 +/- 18.931 χ^2/NDF : 32.1/21

4.519 +/- 18.928 χ^2/NDF : 32.7/23

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200+/-0.017 χ^2/NDF : 665472.4/16

Left Out: 56.675+/-0.022 χ^2/NDF : 95300.4/4

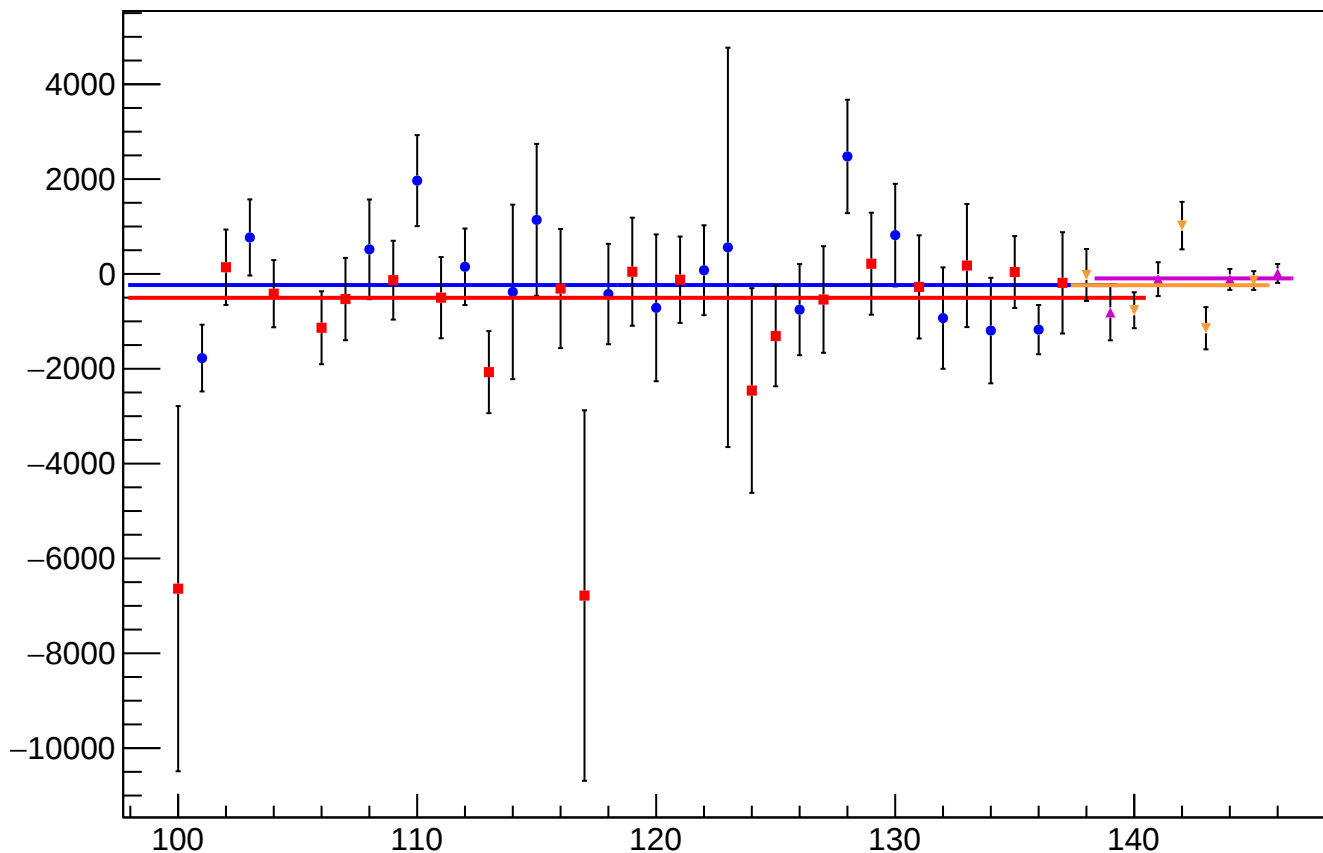
Right Out: 60.443+/-0.017 χ^2/NDF : 680790.3/19

Left In: 56.353+/-0.022 χ^2/NDF : 137663.7/3

58.281+/-0.013 χ^2/NDF : 769013.1/21

58.991+/-0.013 χ^2/NDF : 839833.9/23

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492+/-233.880 χ^2/NDF : 24.2/16

Left Out: -237.975+/-149.323 χ^2/NDF : 12.8/4

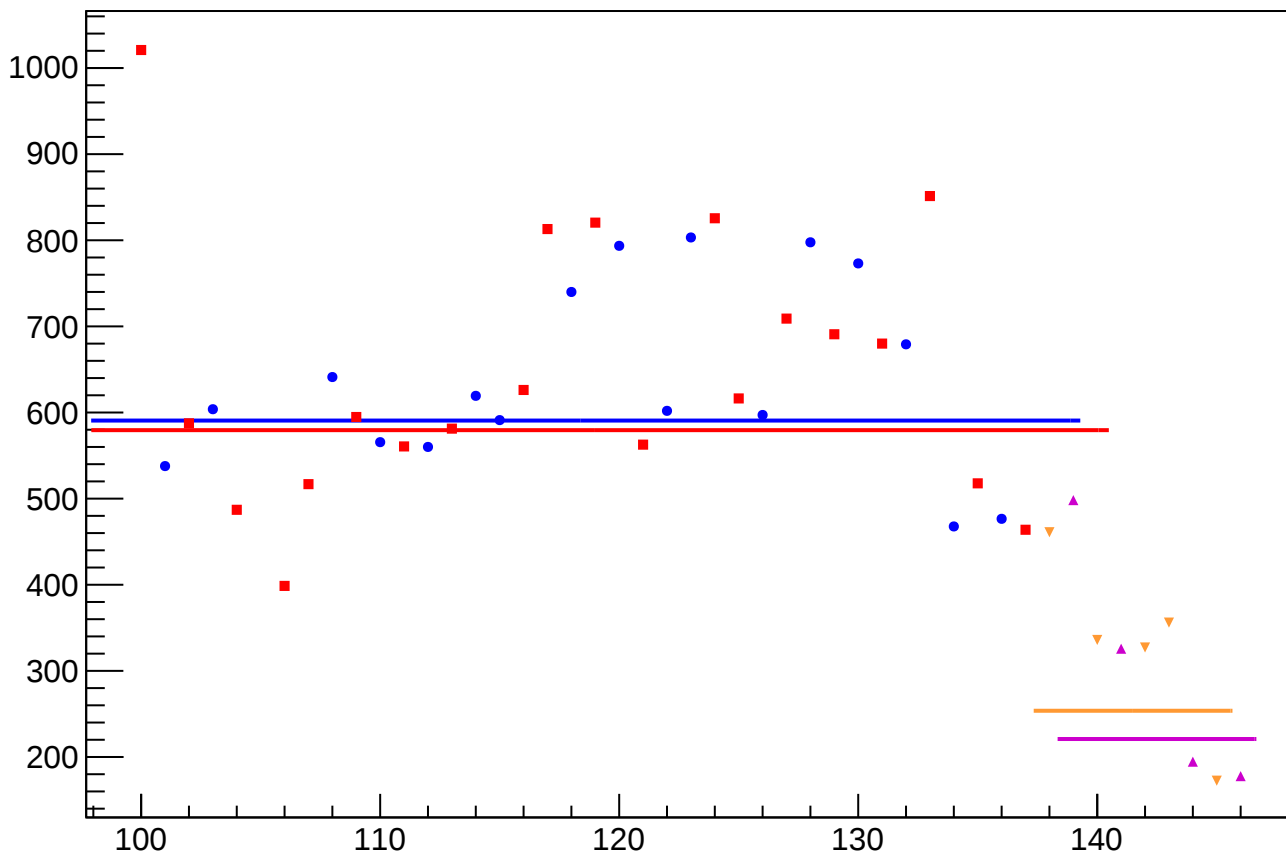
Right Out: -503.638+/-221.955 χ^2/NDF : 13.2/19

Left In: -94.283+/-133.156 χ^2/NDF : 1.8/3

-236.966+/-125.858 χ^2/NDF : 37.0/21

-202.622+/-114.184 χ^2/NDF : 17.4/23

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 $\pm$ 0.165 χ^2/NDF : 352080.1/16

Left Out: 253.686 $\pm$ 0.106 χ^2/NDF : 866185.1/4

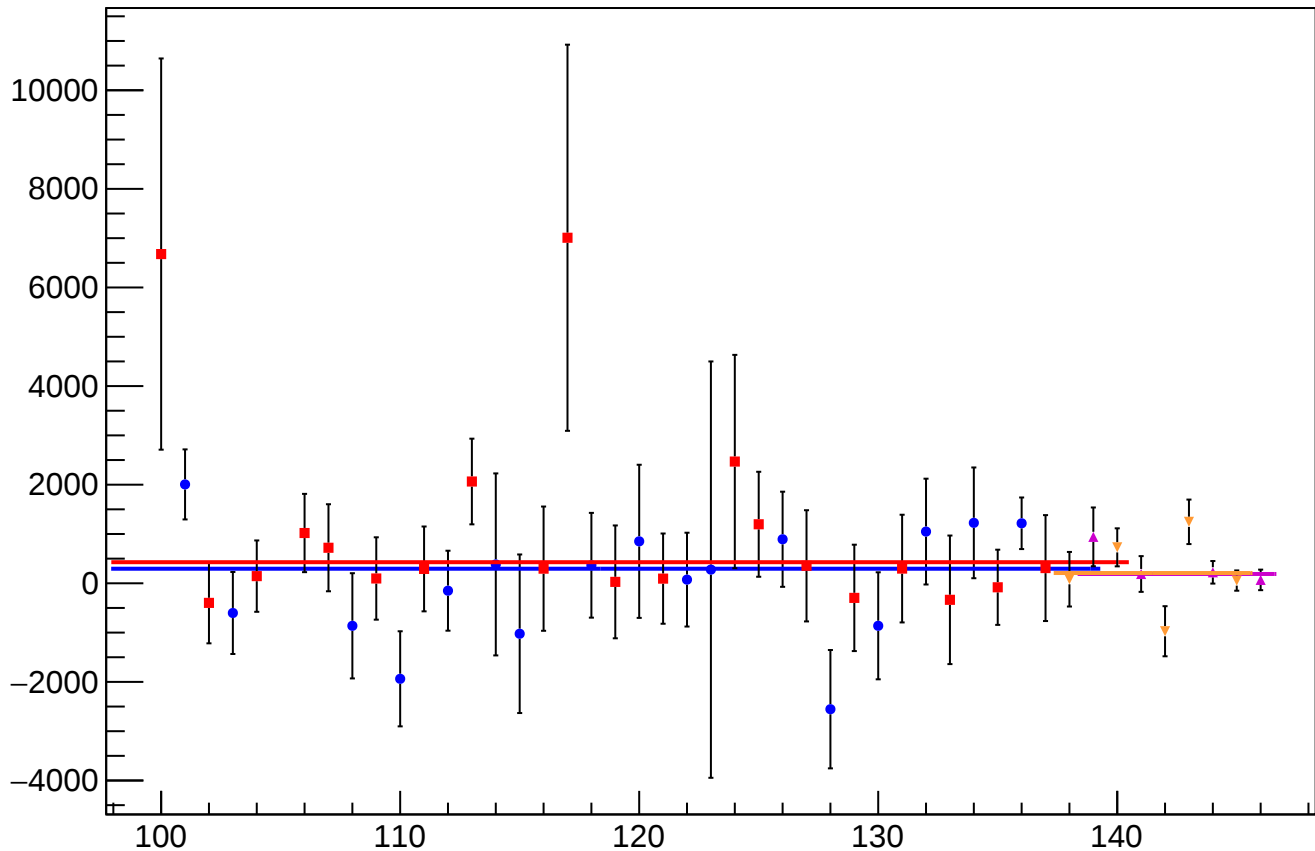
Right Out: 579.509 $\pm$ 0.157 χ^2/NDF : 501132.1/19

Left In: 220.881 $\pm$ 0.094 χ^2/NDF : 738611.2/3

351.269 $\pm$ 0.089 χ^2/NDF : 4167746.4/21

315.794 $\pm$ 0.081 χ^2/NDF : 5079285.5/23

asym_sam_37_dd_mean vs Slug



Right In: 295.401+/-235.860 χ^2/NDF : 26.1/16

Left Out: 208.362+/-153.547 χ^2/NDF : 13.1/4

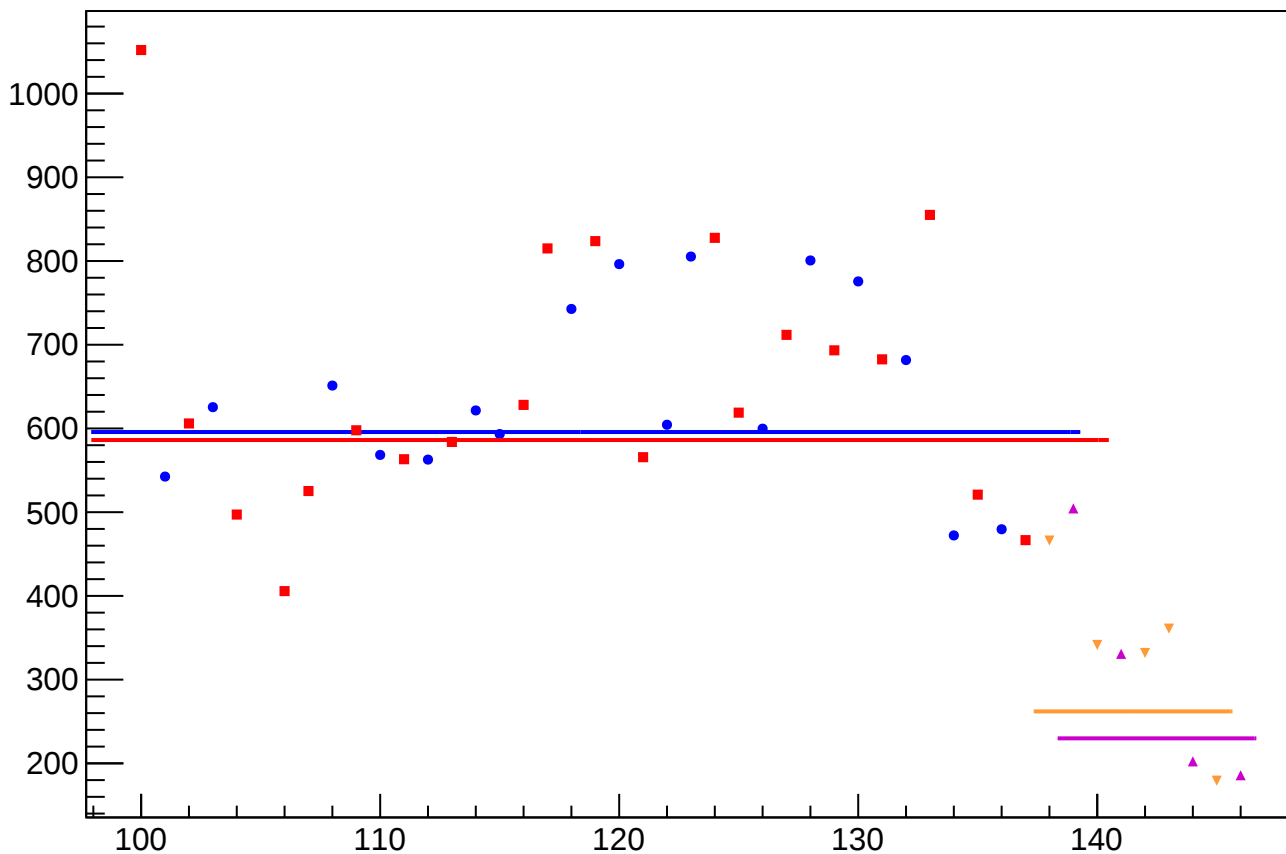
Right Out: 427.853+/-224.485 χ^2/NDF : 13.8/19

Left In: 188.883+/-137.895 χ^2/NDF : 2.0/3

234.270+/-128.681 χ^2/NDF : 39.3/21

254.350+/-117.498 χ^2/NDF : 16.6/23

asym_sam_37_dd_rms vs Slug



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 262.052 $\pm$ 0.109 χ^2 /NDF:814085.2/4

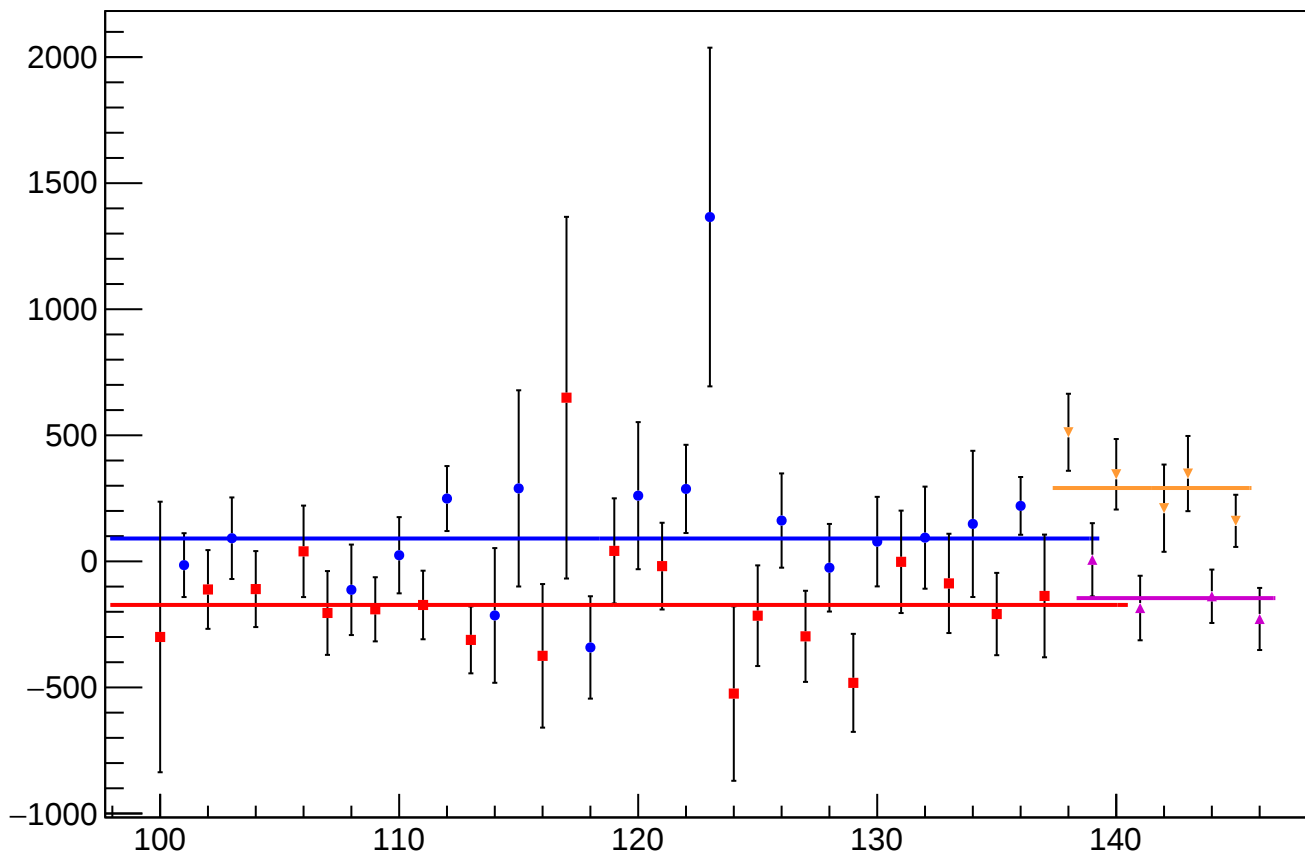
Right Out: 586.176 $\pm$ 0.159 χ^2 /NDF: 481325.4/19

Left In: 229.859 $\pm$ 0.098 χ^2 /NDF:698390.9/3

361.375 $\pm$ 0.091 χ^2 /NDF: 3975614.3/21

327.475 $\pm$ 0.083 χ^2 /NDF: 4838108.2/23

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711 ± 43.312 χ^2/NDF : 16.9/16

Left Out: 290.922 ± 61.339 χ^2/NDF : 4.2/4

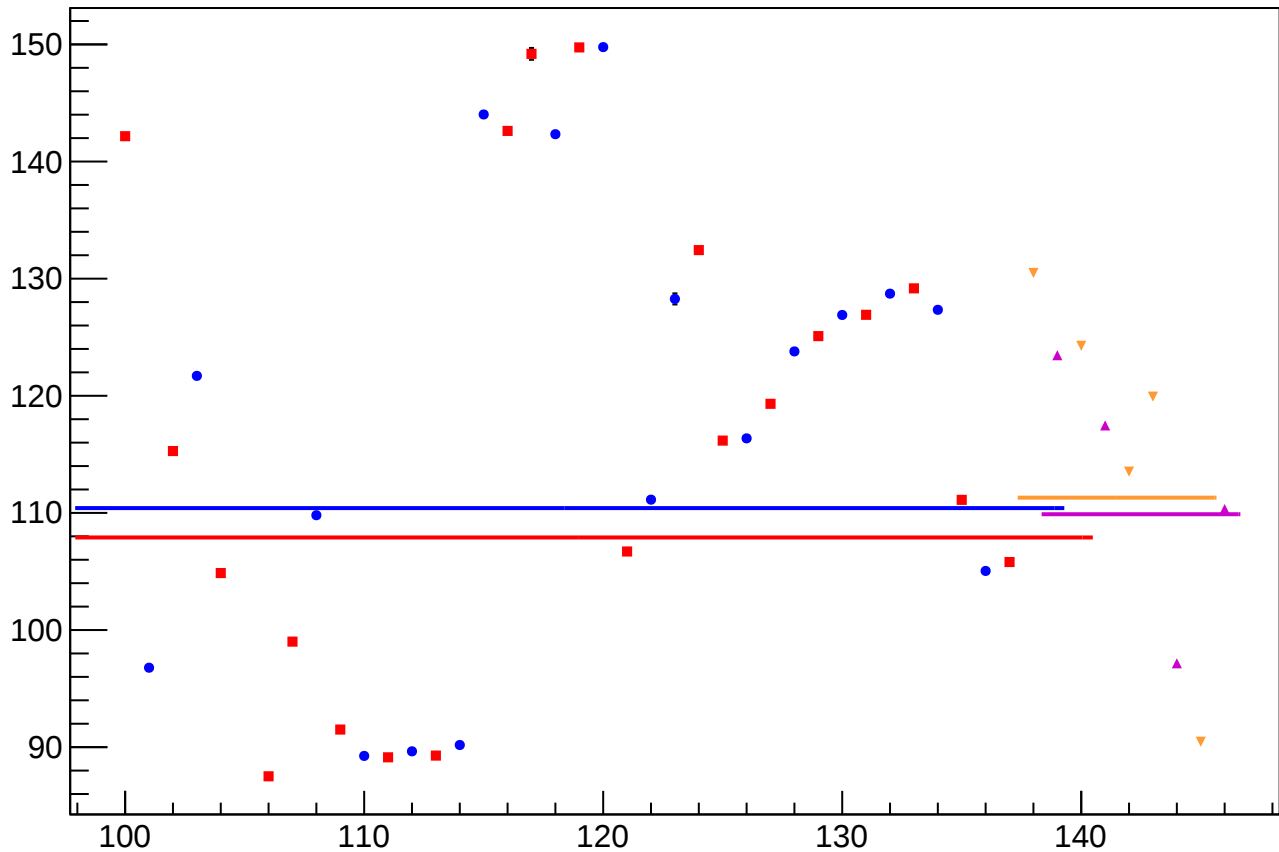
Right Out: -172.786 ± 41.033 χ^2/NDF : 11.6/19

Left In: -145.738 ± 61.589 χ^2/NDF : 1.6/3

157.323 ± 35.381 χ^2/NDF : 28.2/21

-164.470 ± 34.149 χ^2/NDF : 13.4/23

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 ± 0.031 χ^2/NDF : 296425.4/16

Left Out: 111.303 ± 0.043 χ^2/NDF : 136908.9/4

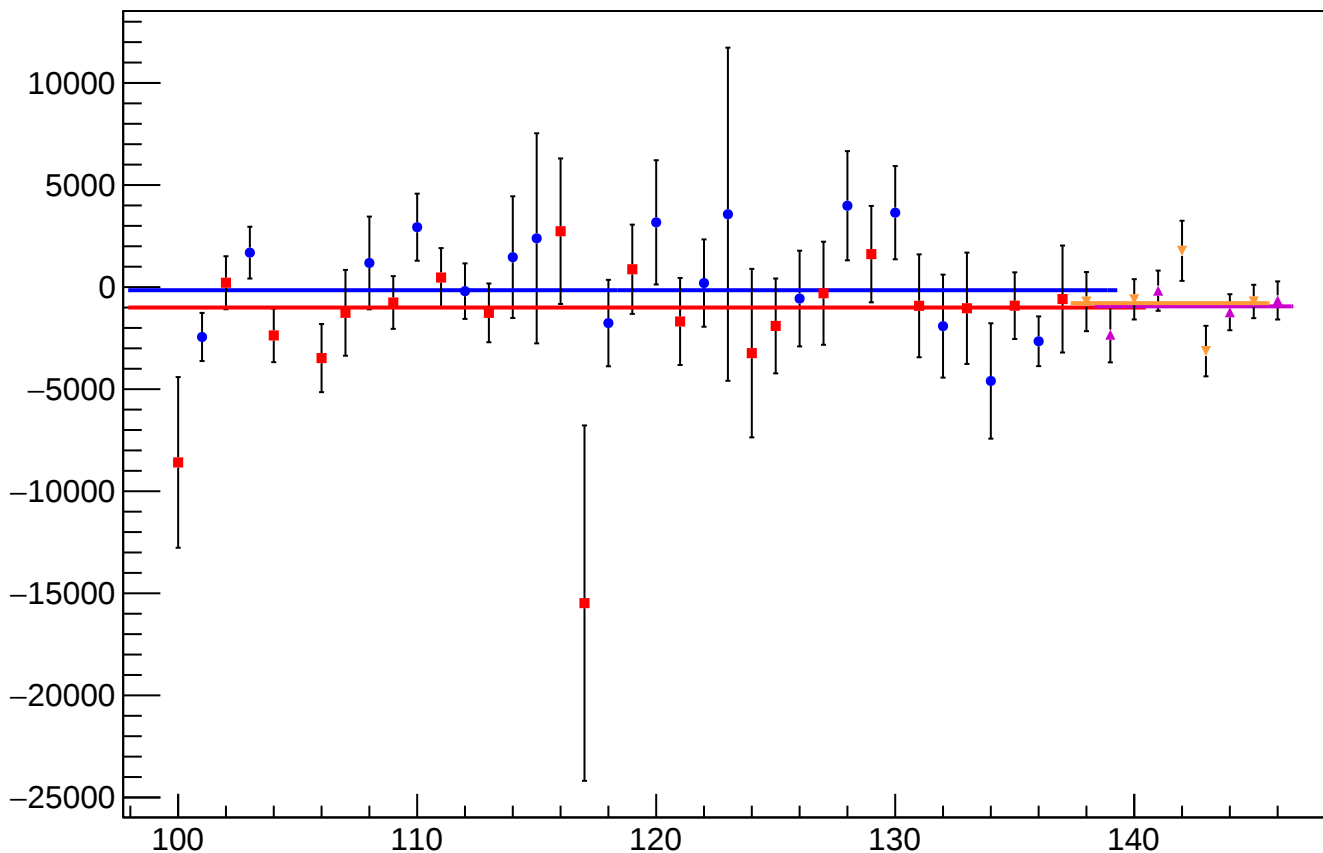
Right Out: 107.903 ± 0.029 χ^2/NDF : 351091.4/19

Left In: 109.887 ± 0.044 χ^2/NDF : 53426.6/3

110.708 ± 0.025 χ^2/NDF : 433616.4/21

108.513 ± 0.024 χ^2/NDF : 405954.7/23

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403+/-464.753 χ^2 /NDF: 24.7/16

Left Out: -785.758+/-493.094 χ^2 /NDF:6.7/4

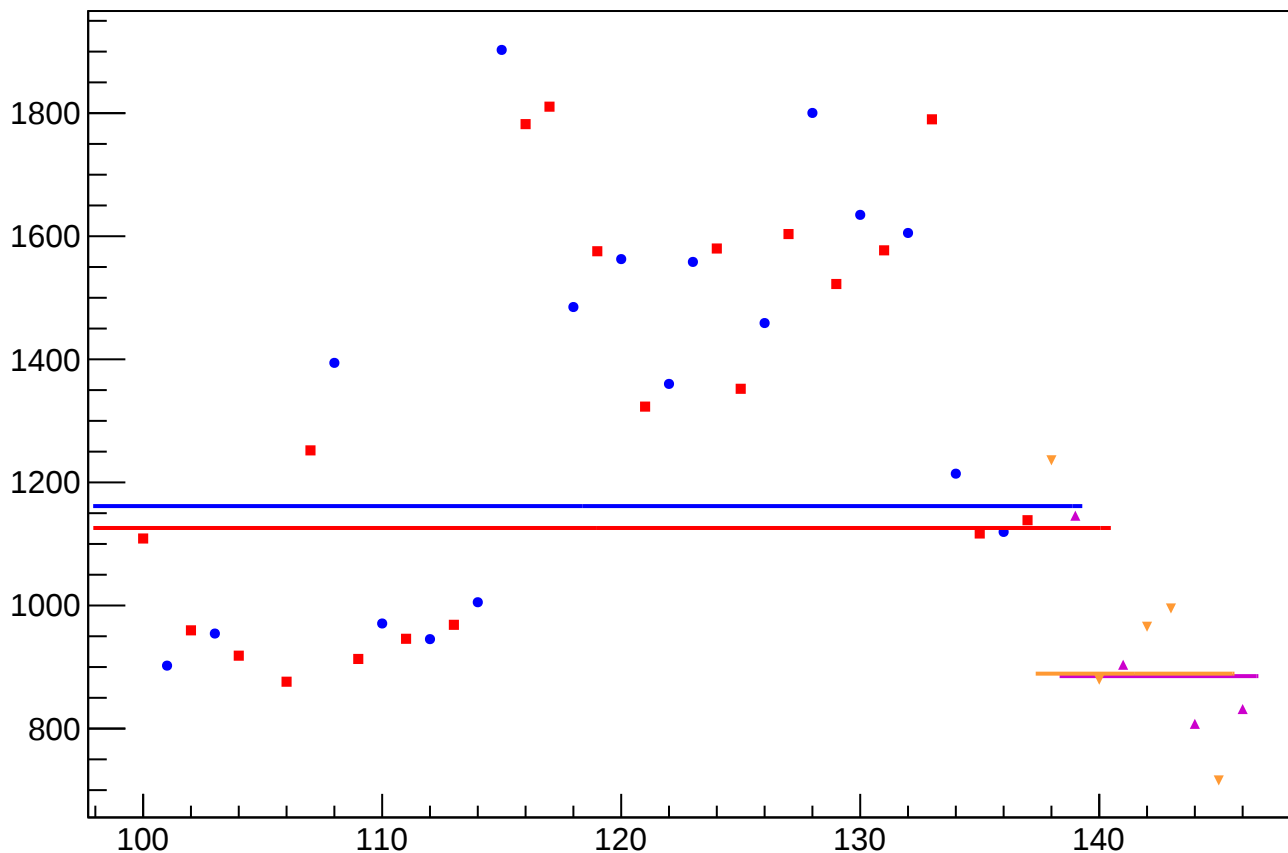
Right Out: -1000.907+/-434.569 χ^2 /NDF: 15.1/19

Left In: -942.921+/-499.742 χ^2 /NDF:1.9/3

-450.357+/-338.205 χ^2 /NDF: 32.2/21

-975.939+/-327.925 χ^2 /NDF: 16.9/23

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 889.262+/-0.349 χ^2/NDF : 224820.3/4

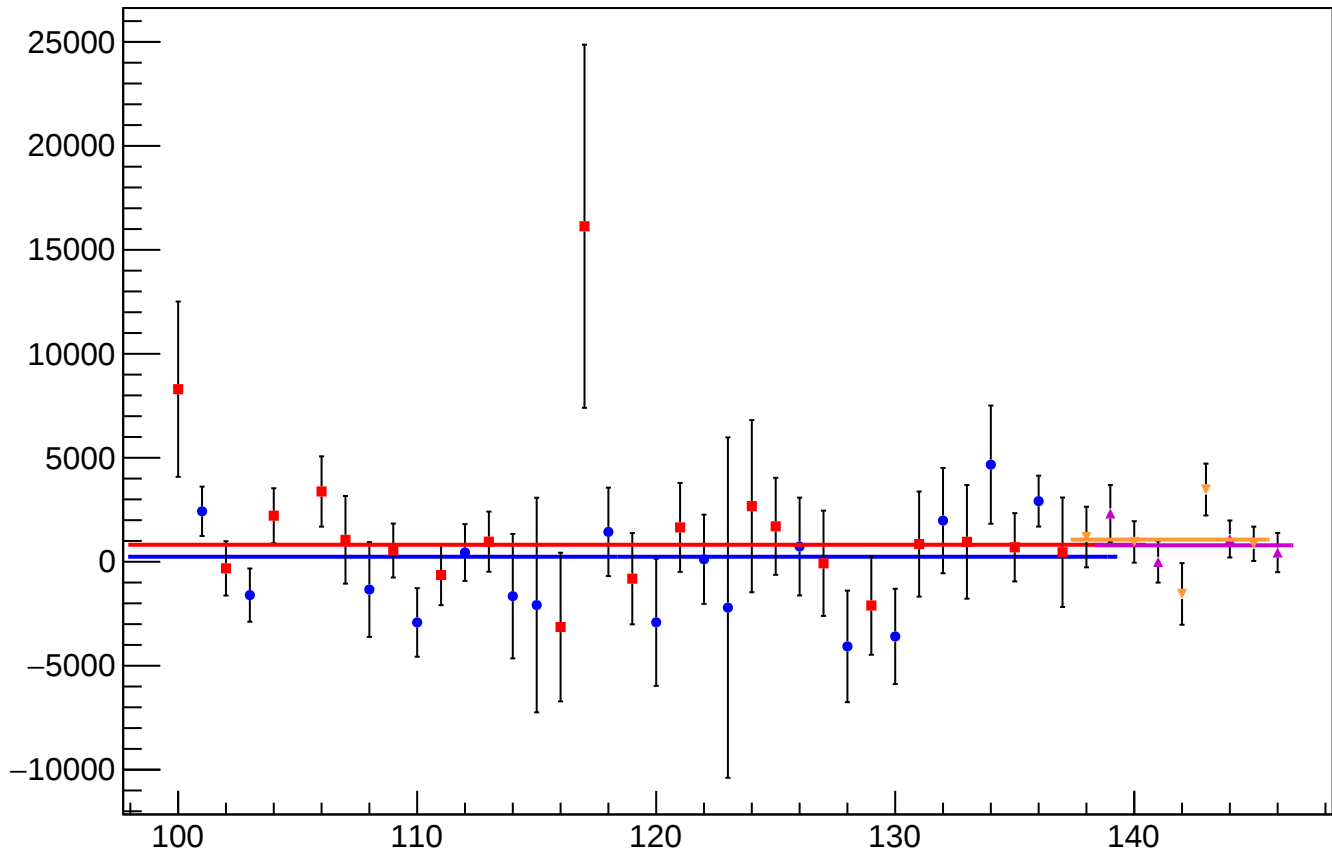
Right Out: 1125.946+/-0.307 χ^2/NDF : 780195.3/19

Left In: 885.250+/-0.353 χ^2/NDF : 96547.6/3

1033.445+/-0.239 χ^2/NDF : 1243638.1/21

1022.307+/-0.232 χ^2/NDF : 1140925.7/23

asym_sam_48_dd_mean vs Slug



Right In: 240.732+/-467.036 χ^2/NDF : 24.8/16

Left Out: 1067.492+/-497.061 χ^2/NDF : 6.9/4

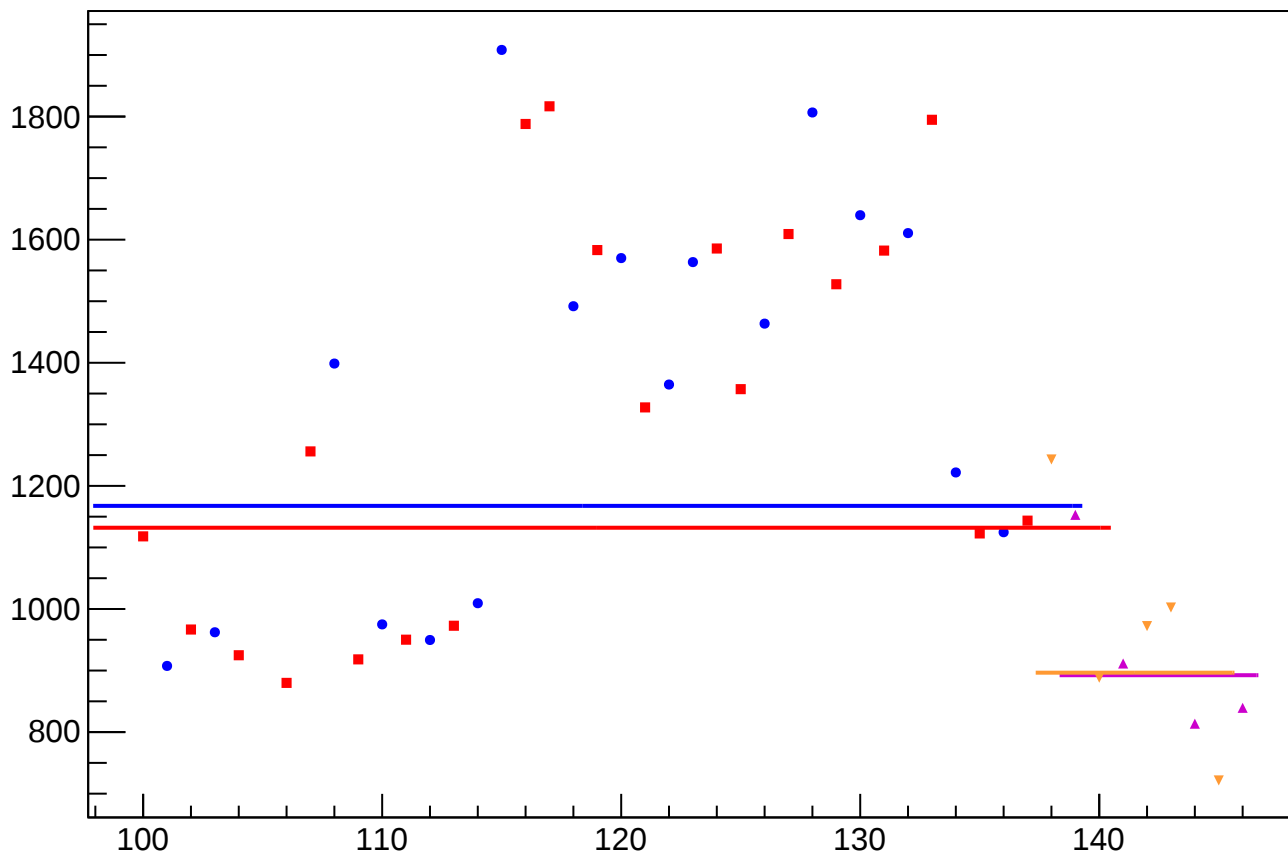
Right Out: 817.635+/-436.939 χ^2/NDF : 15.4/19

Left In: 791.776+/-503.714 χ^2/NDF : 2.2/3

628.390+/-340.364 χ^2/NDF : 33.2/21

806.532+/-330.065 χ^2/NDF : 17.6/23

asym_sam_48_dd_rms vs Slug



Right In: 1167.539+/-0.330 χ^2/NDF : 690485.6/16

Left Out: 896.544+/-0.351 χ^2/NDF : 223080.5/4

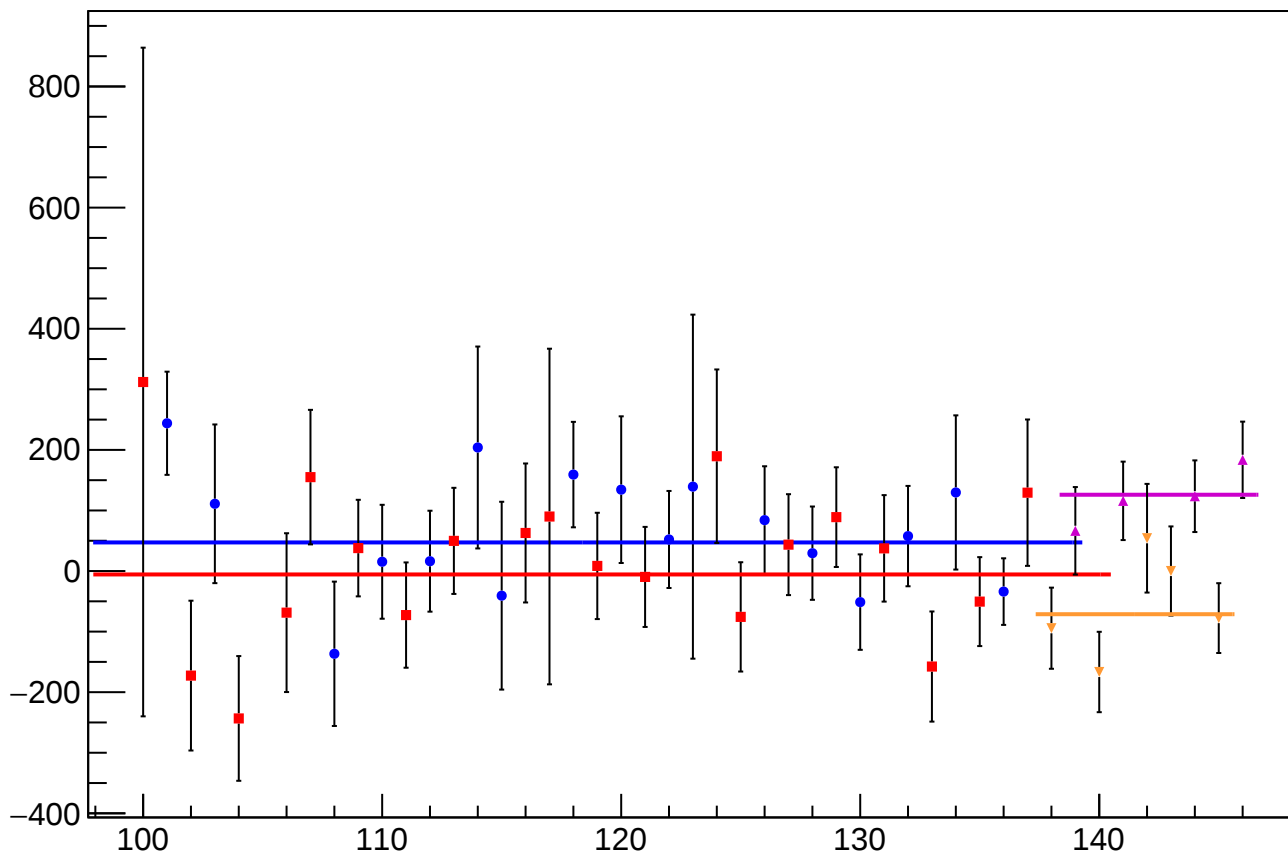
Right Out: 1132.019+/-0.309 χ^2/NDF : 773827.8/19

Left In: 892.435+/-0.356 χ^2/NDF : 95635.1/3

1040.473+/-0.241 χ^2/NDF : 1229297.3/21

1029.149+/-0.233 χ^2/NDF : 1127649.1/23

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 +/- 22.565 χ^2/NDF : 16.1/16

Left Out: -71.274 +/- 30.717 χ^2/NDF : 5.1/4

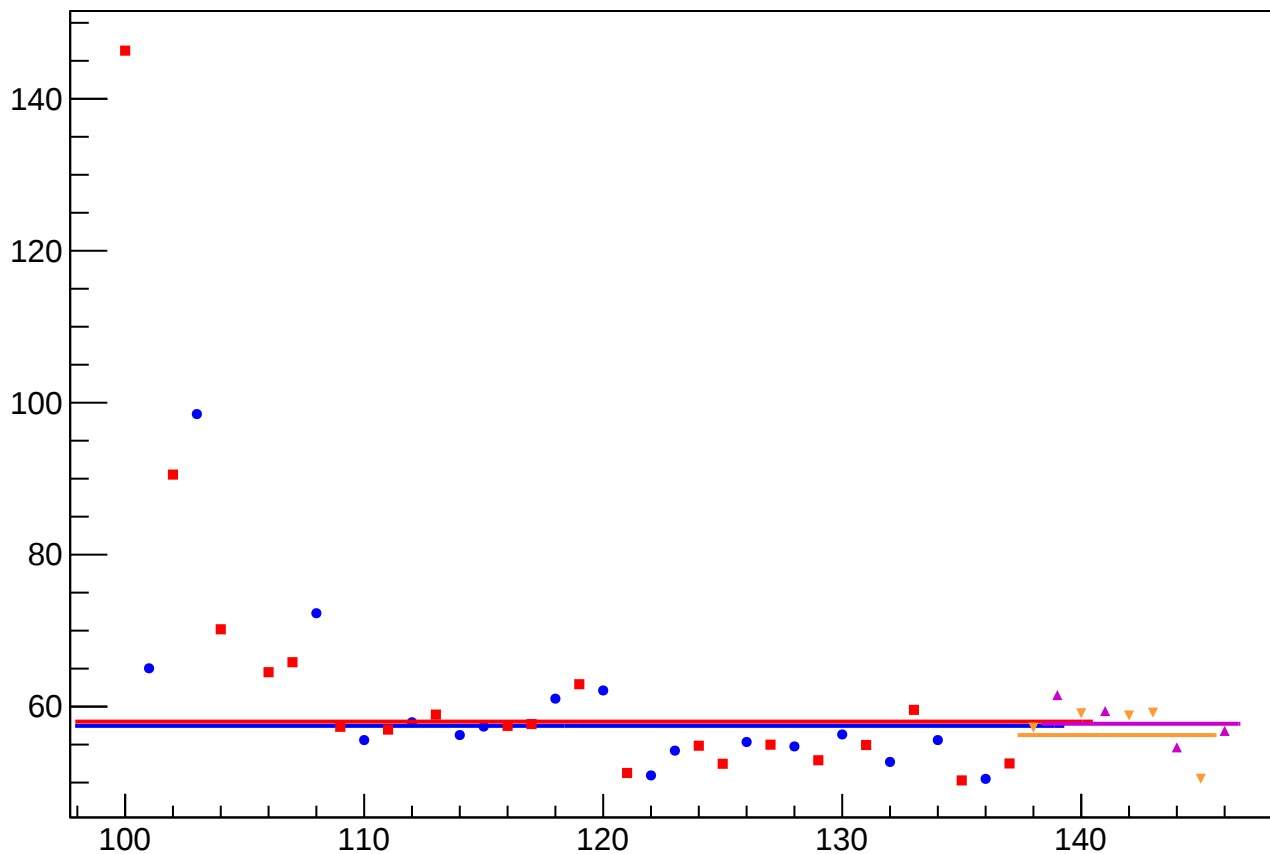
Right Out: -5.636 +/- 22.057 χ^2/NDF : 20.4/19

Left In: 125.964 +/- 32.148 χ^2/NDF : 1.5/3

5.688 +/- 18.185 χ^2/NDF : 30.9/21

36.486 +/- 18.188 χ^2/NDF : 33.3/23

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 56.254 $\pm$ 0.022 χ^2 /NDF:28986.0/4

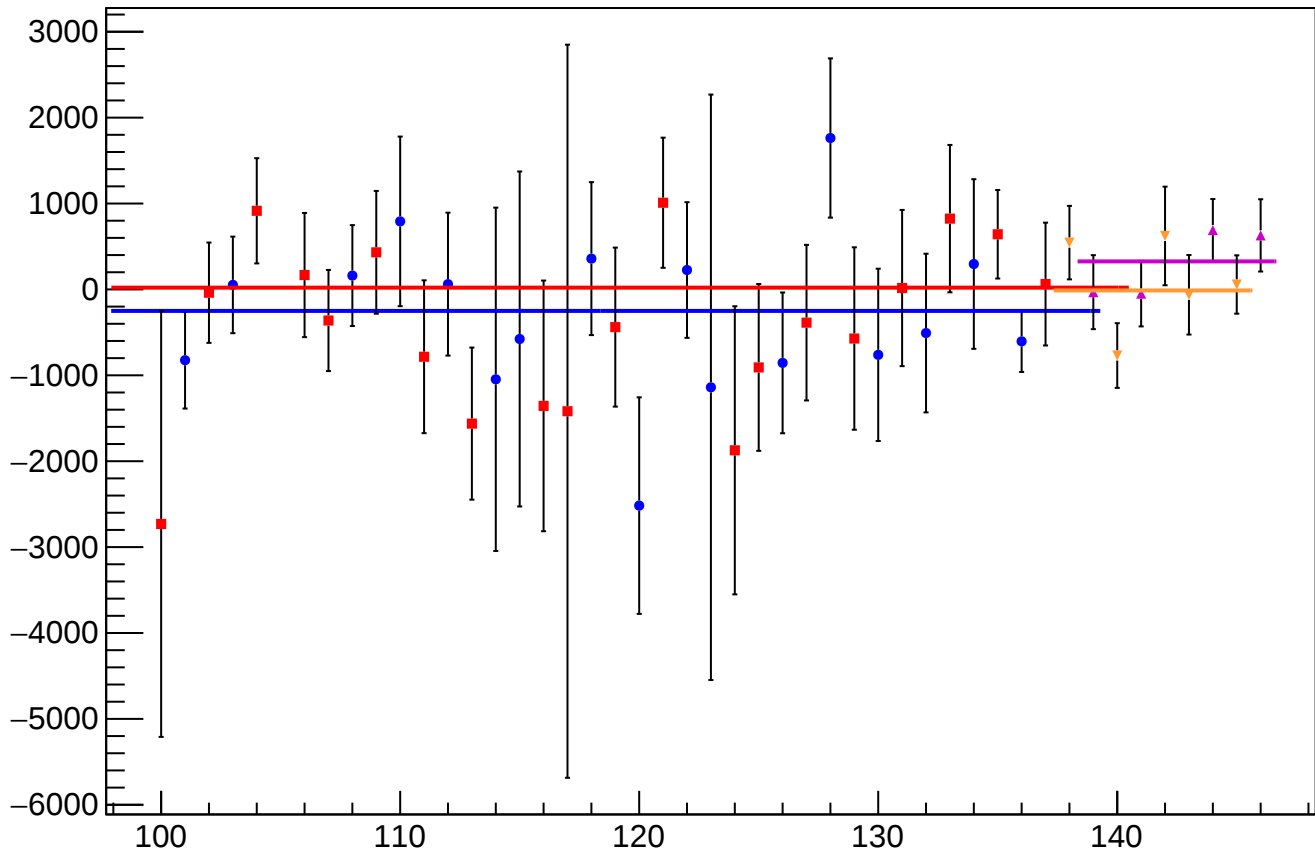
Right Out: 58.025 $\pm$ 0.016 χ^2 /NDF: 300790.9/19

Left In: 57.741 $\pm$ 0.023 χ^2 /NDF:12749.0/3

57.041 $\pm$ 0.013 χ^2 /NDF: 338164.2/21

57.934 $\pm$ 0.013 χ^2 /NDF: 313645.6/23

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 $\pm$ 184.092 χ^2 /NDF: 14.3/16

Left Out: -12.169 $\pm$ 186.110 χ^2 /NDF: 7.0/4

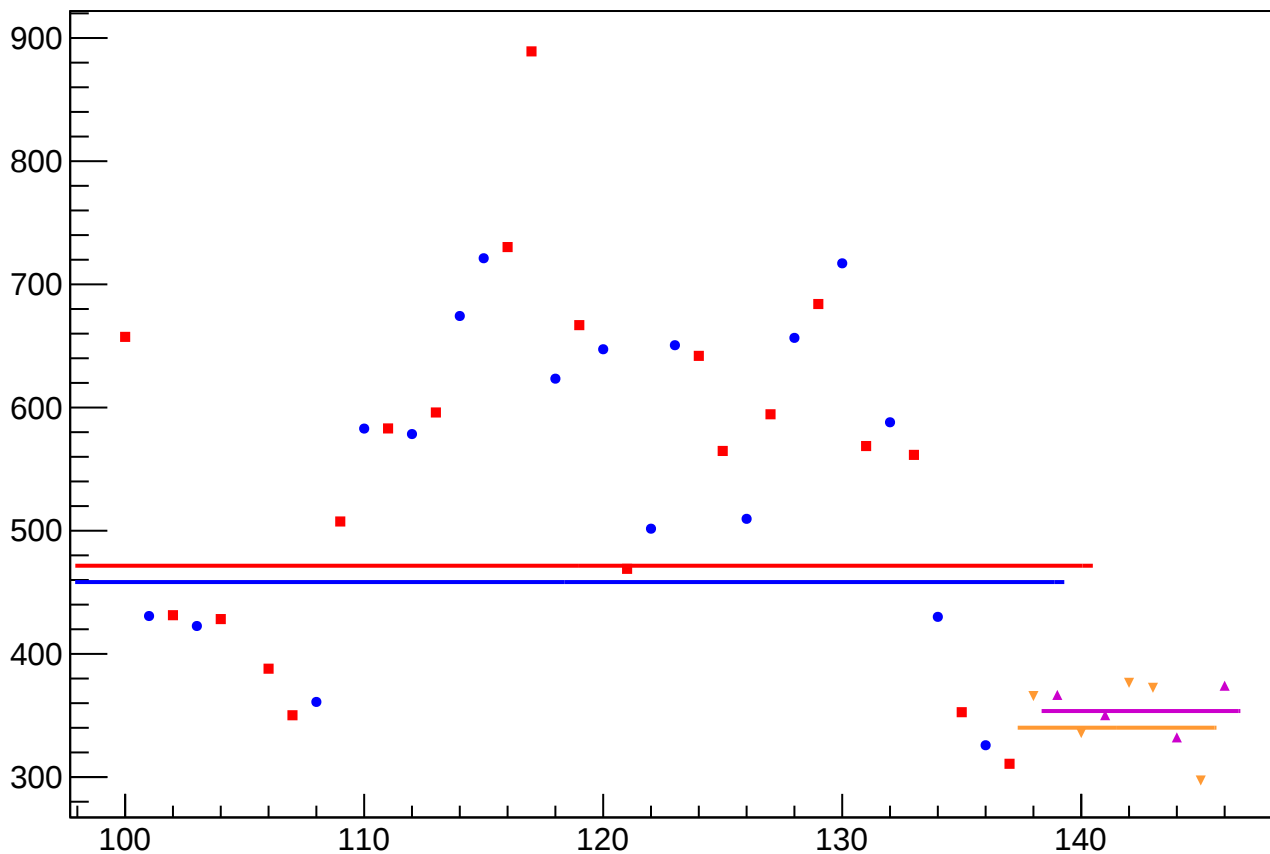
Right Out: 20.701 $\pm$ 181.669 χ^2 /NDF: 16.2/19

Left In: 326.178 $\pm$ 197.755 χ^2 /NDF: 3.2/3

-132.452 $\pm$ 130.880 χ^2 /NDF: 22.1/21

160.512 $\pm$ 133.786 χ^2 /NDF: 20.7/23

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324 $\pm$ 0.130 χ^2/NDF : 877201.7/16

Left Out: 340.095 $\pm$ 0.132 χ^2/NDF : 57158.7/4

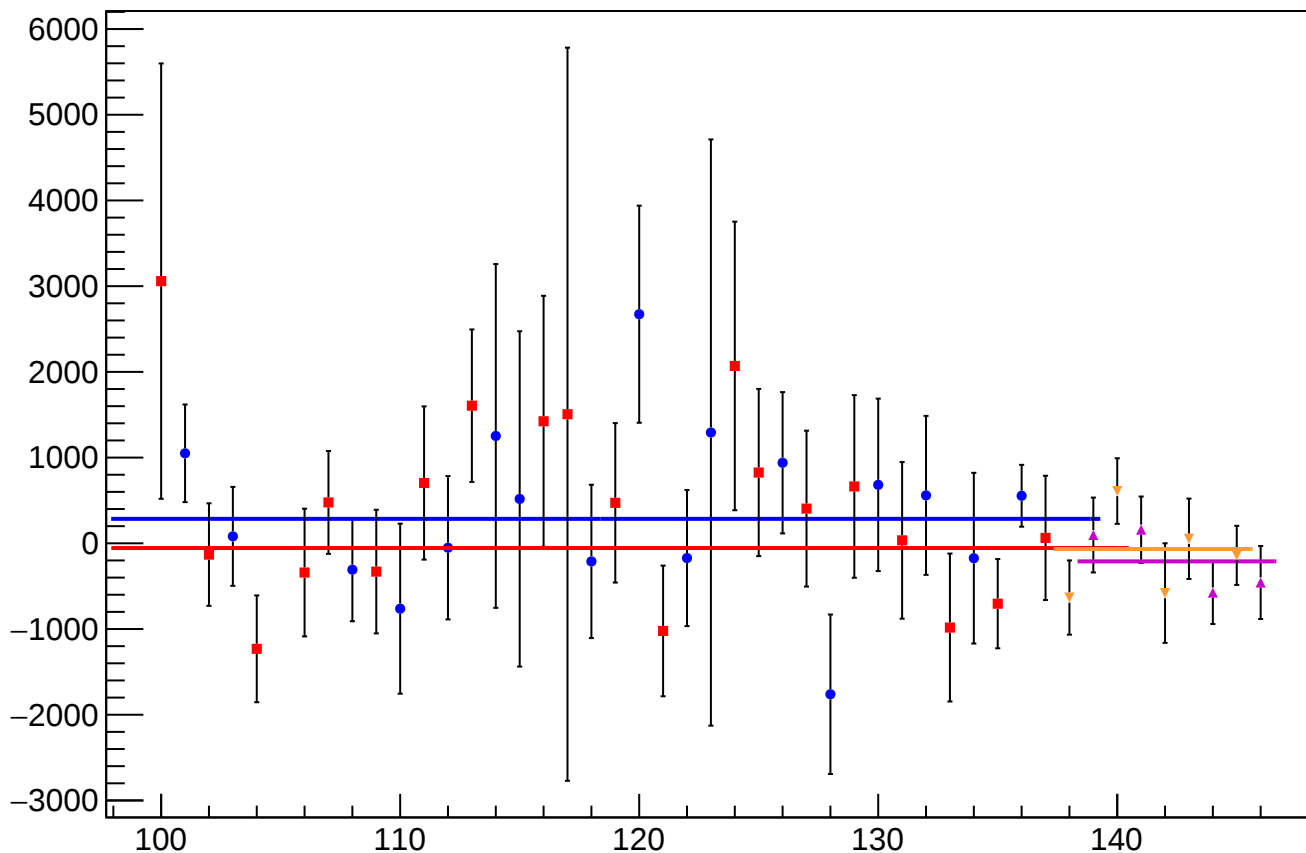
Right Out: 471.585 $\pm$ 0.128 χ^2/NDF : 797816.0/19

Left In: 353.619 $\pm$ 0.140 χ^2/NDF : 13783.3/3

399.854 $\pm$ 0.093 χ^2/NDF : 1342322.8/21

417.594 $\pm$ 0.095 χ^2/NDF : 1197563.9/23

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: -66.706 $\pm$ 188.681 χ^2 /NDF: 5.7/4

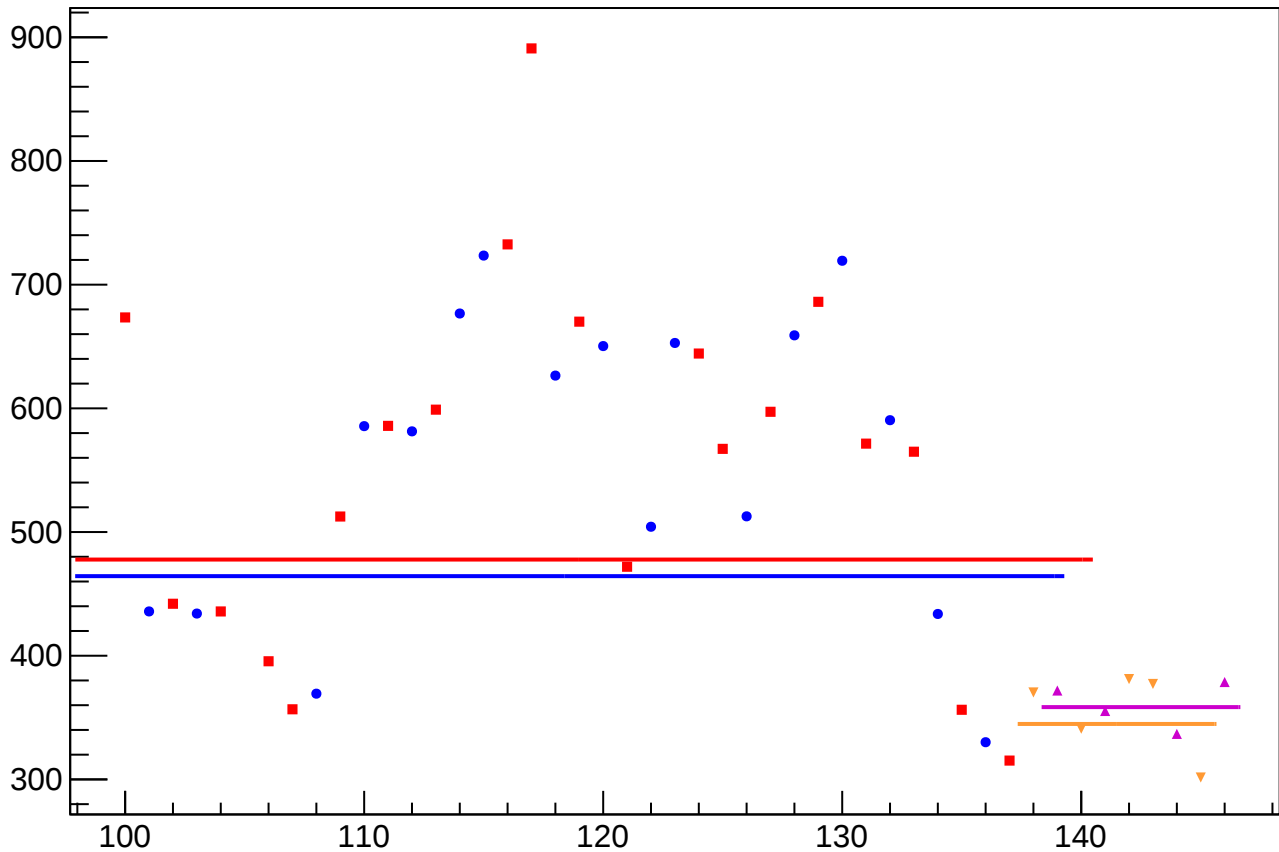
Right Out: -55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

Left In: -210.642 $\pm$ 200.430 χ^2 /NDF: 2.7/3

111.593 $\pm$ 132.554 χ^2 /NDF: 22.7/21

-126.200 $\pm$ 135.506 χ^2 /NDF: 22.4/23

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 $\pm$ 0.132 χ^2/NDF : 845900.9/16

Left Out: 344.837 $\pm$ 0.133 χ^2/NDF : 55991.0/4

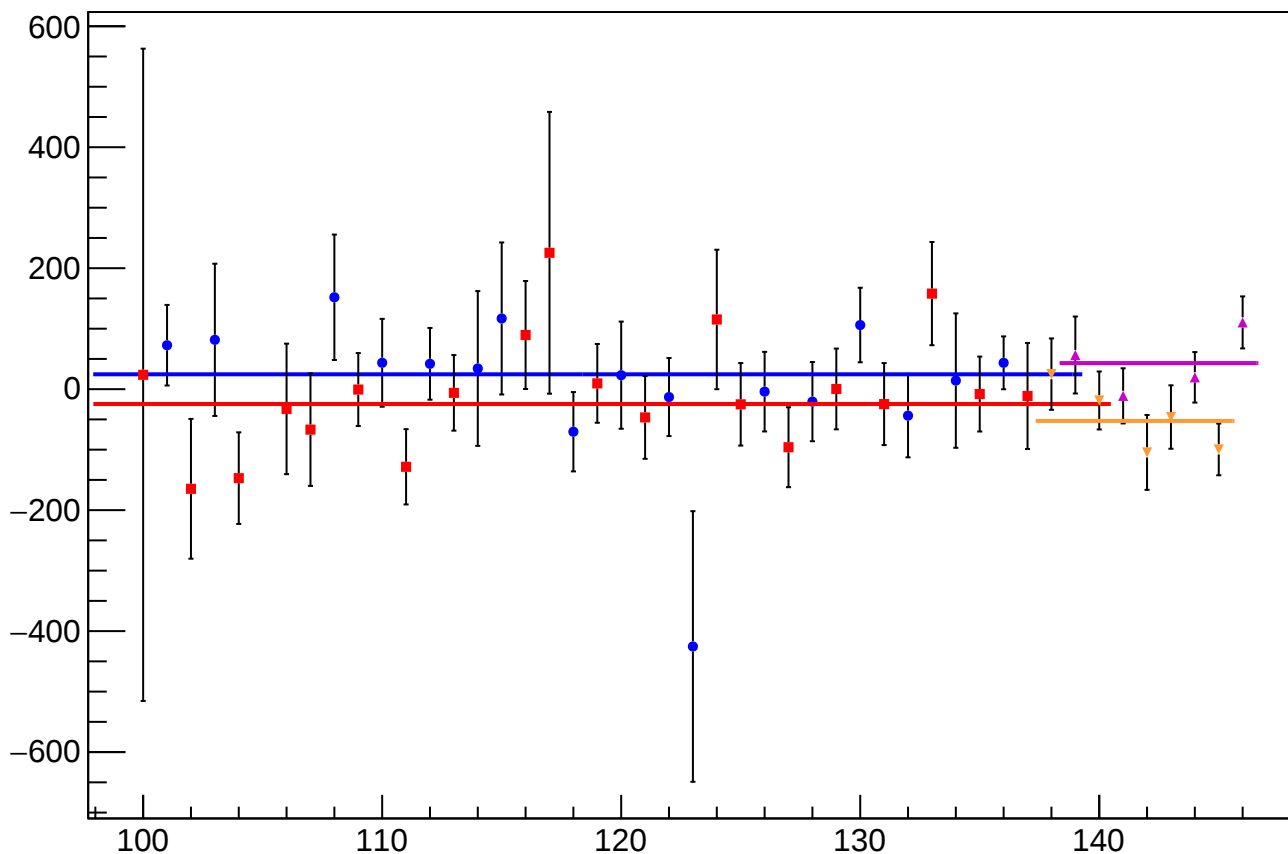
Right Out: 477.754 $\pm$ 0.130 χ^2/NDF : 768041.0/19

Left In: 358.459 $\pm$ 0.142 χ^2/NDF : 13540.5/3

405.360 $\pm$ 0.094 χ^2/NDF : 1308219.5/21

423.227 $\pm$ 0.096 χ^2/NDF : 1166254.0/23

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584+/-17.839 χ^2/NDF : 13.0/16

Left Out: -52.504+/-22.977 χ^2/NDF : 4.2/4

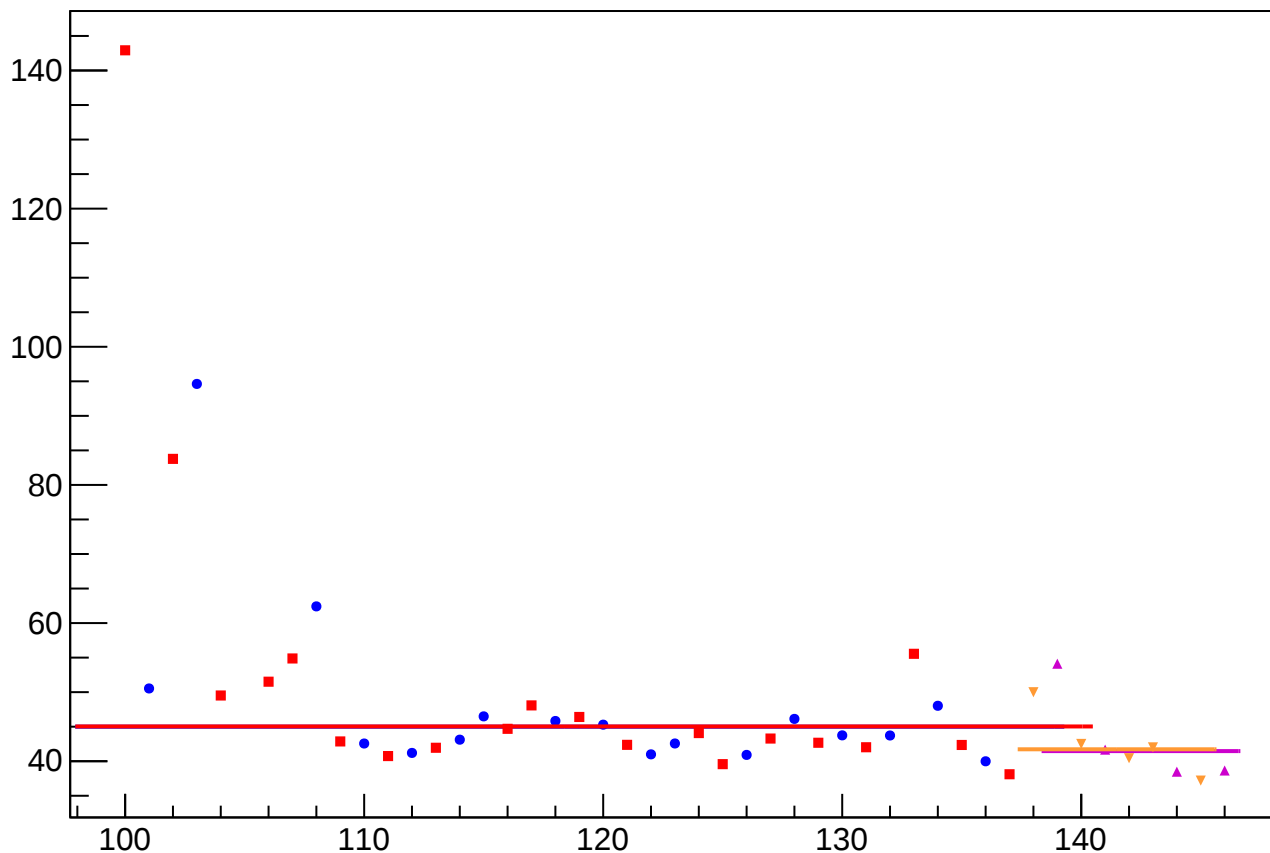
Right Out: -24.491+/-17.338 χ^2/NDF : 18.0/19

Left In: 43.160+/-23.293 χ^2/NDF : 4.2/3

-4.408+/-14.091 χ^2/NDF : 24.2/21

-0.372+/-13.908 χ^2/NDF : 27.6/23

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 41.727 $\pm$ 0.016 χ^2 /NDF:63111.0/4

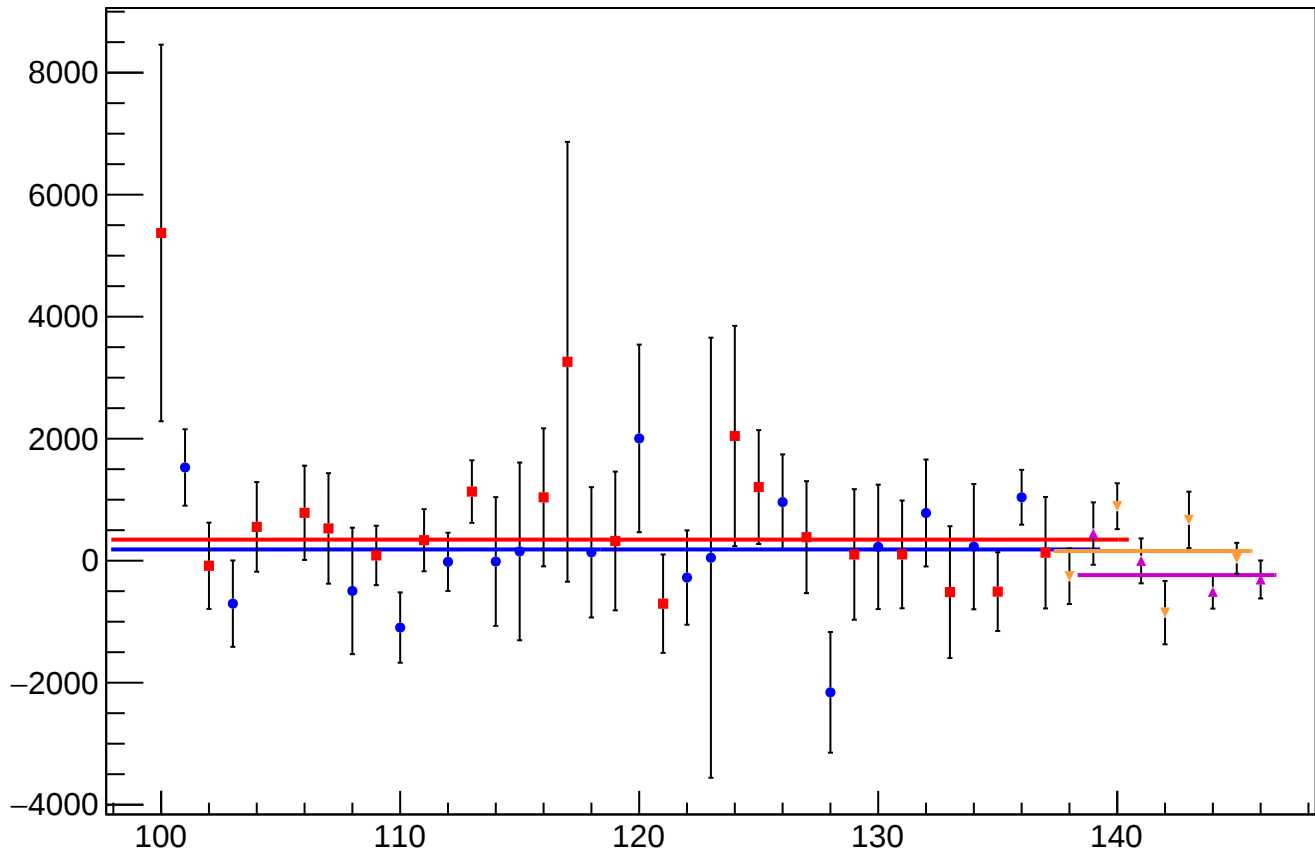
Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

Left In: 41.466 $\pm$ 0.016 χ^2 /NDF:97874.0/3

43.770 $\pm$ 0.010 χ^2 /NDF: 526798.7/21

43.762 $\pm$ 0.010 χ^2 /NDF: 543928.5/23

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 158.507 ± 166.941 χ^2/NDF : 9.9/4

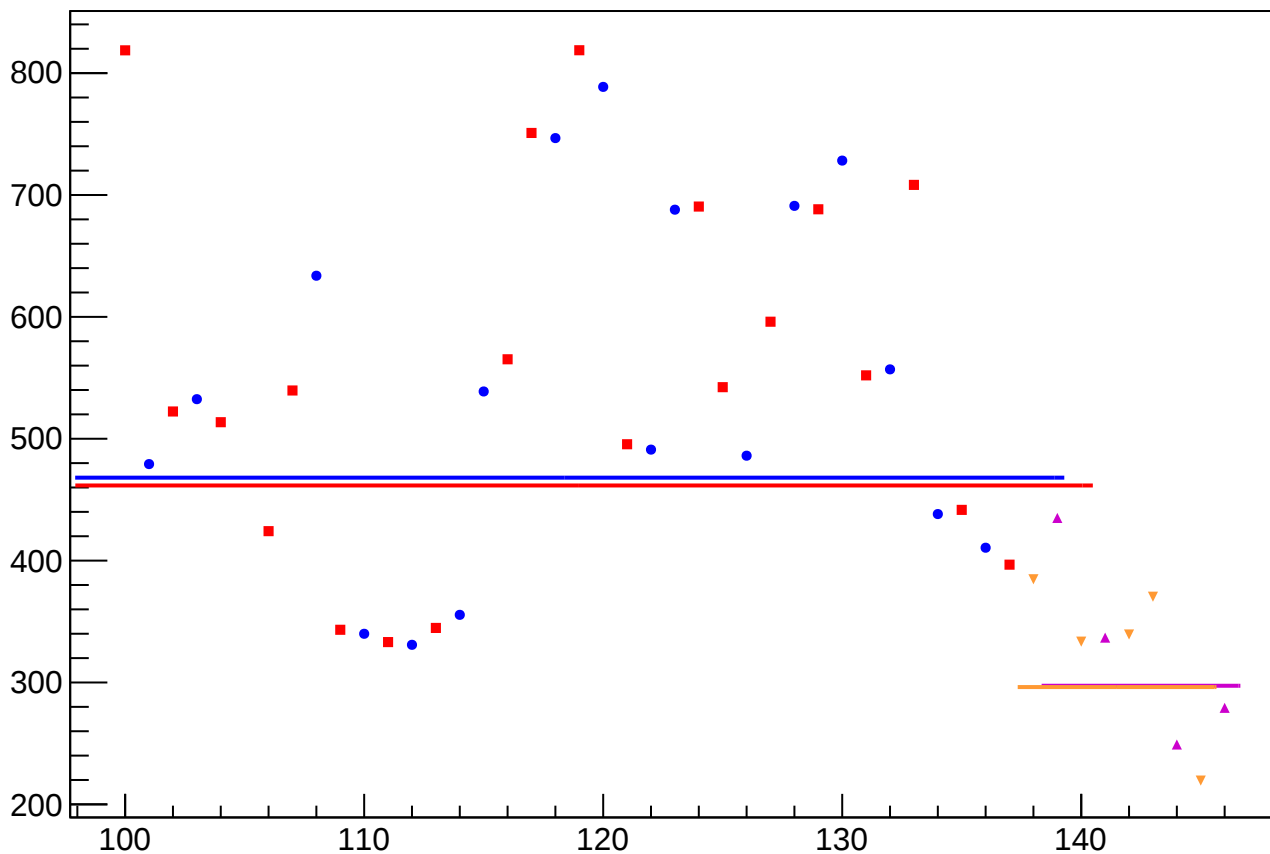
Right Out: 345.548 ± 179.160 χ^2/NDF : 13.1/19

Left In: -236.271 ± 169.997 χ^2/NDF : 3.2/3

169.790 ± 124.992 χ^2/NDF : 34.1/21

39.381 ± 123.318 χ^2/NDF : 21.9/23

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 296.241+/-0.118 χ^2/NDF : 343921.5/4

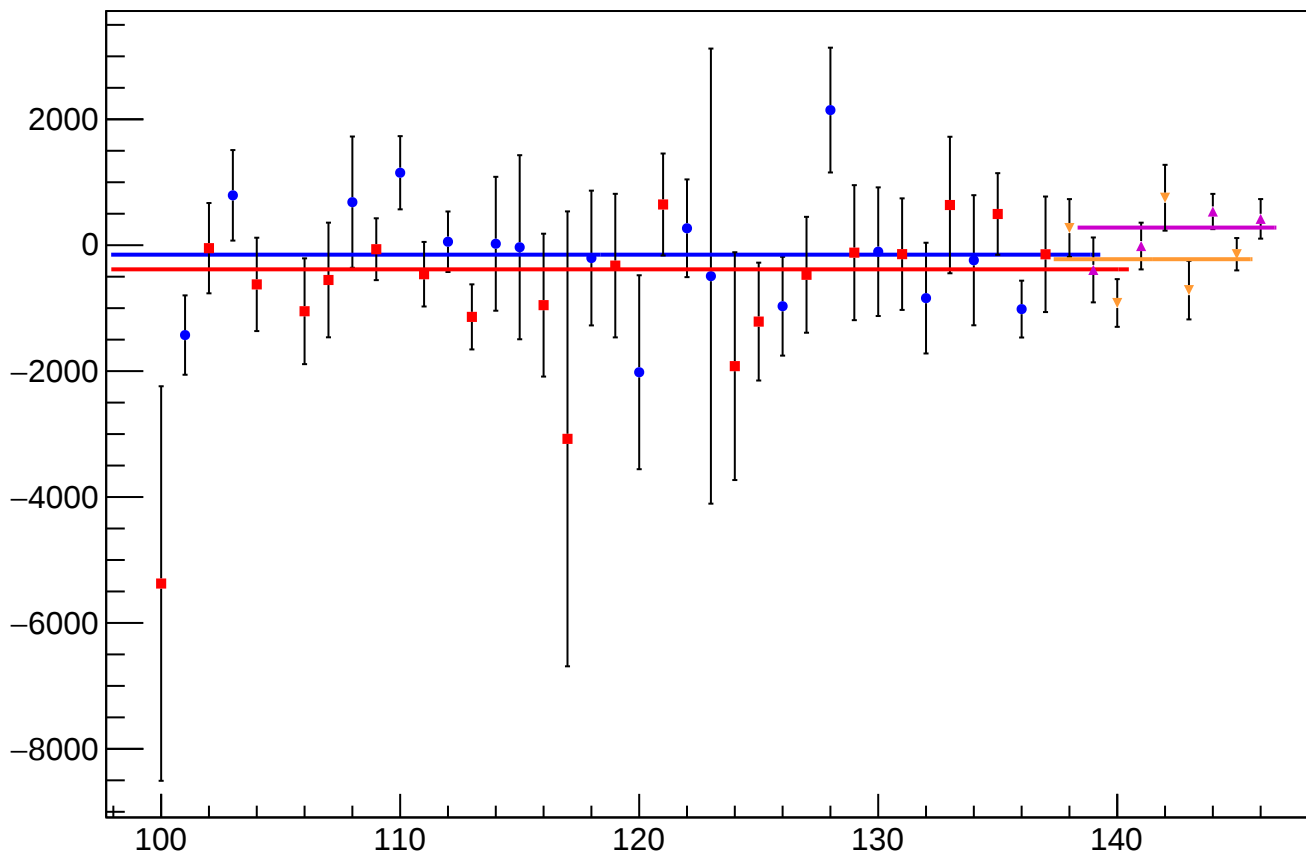
Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

Left In: 297.318+/-0.120 χ^2/NDF : 235584.3/3

371.746+/-0.088 χ^2/NDF : 2155308.1/21

375.177+/-0.087 χ^2/NDF : 2089037.3/23

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -222.251 ± 168.711 χ^2/NDF : 9.2/4

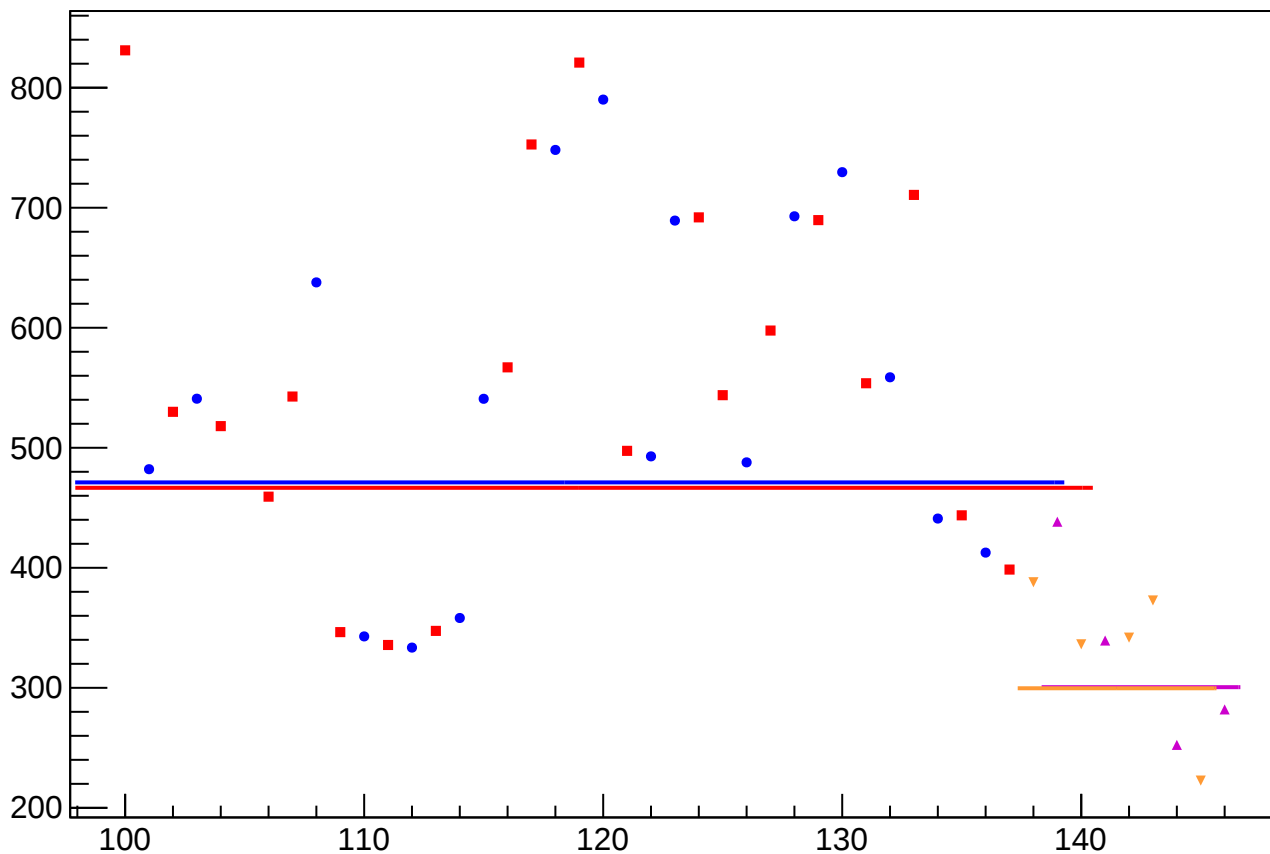
Right Out: -383.331 ± 181.030 χ^2/NDF : 13.0/19

Left In: 279.942 ± 171.737 χ^2/NDF : 3.4/3

-190.482 ± 126.075 χ^2/NDF : 33.5/21

-34.234 ± 124.592 χ^2/NDF : 23.4/23

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 299.627+/-0.119 χ^2/NDF :334357.5/4

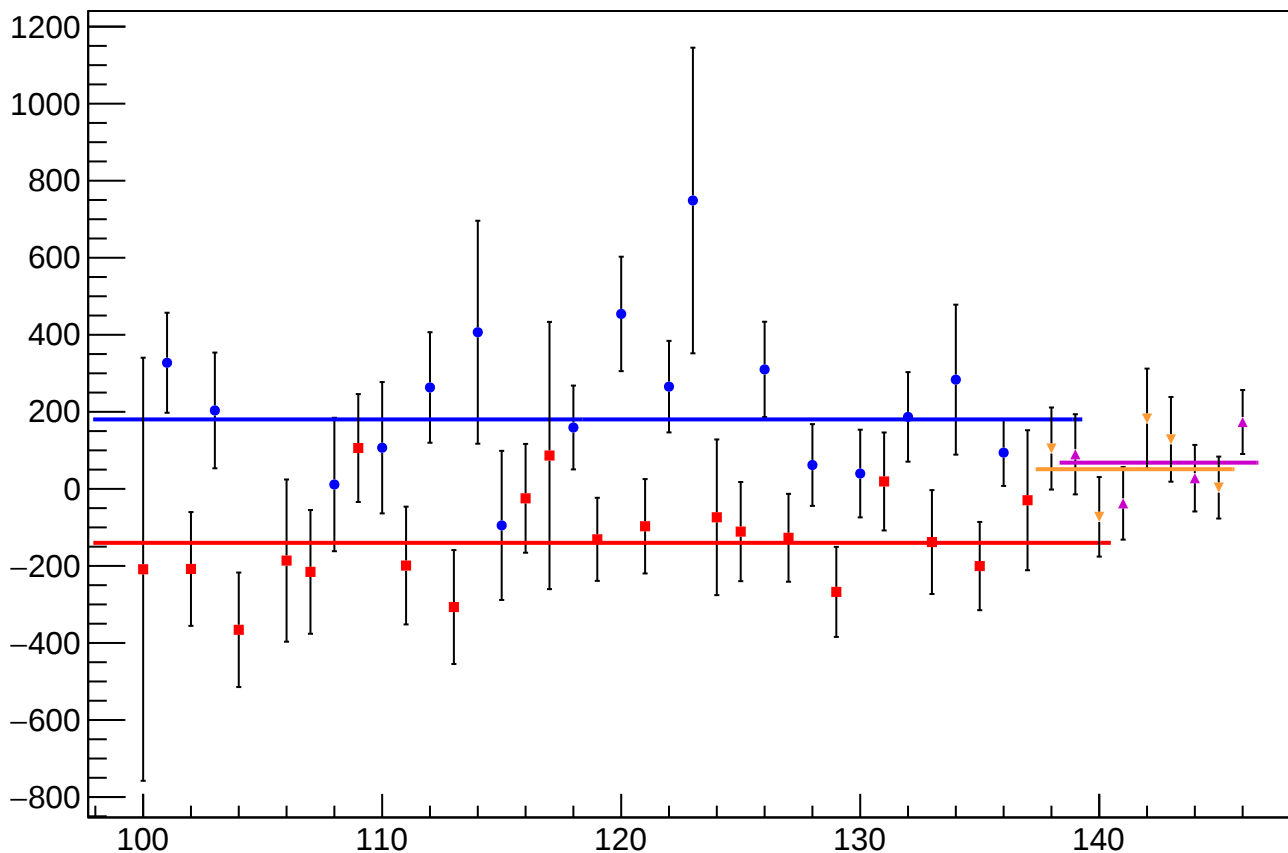
Right Out: 466.655+/-0.128 χ^2/NDF : 953088.6/19

Left In: 300.544+/-0.121 χ^2/NDF :230984.0/3

375.368+/-0.089 χ^2/NDF : 2119071.3/21

379.227+/-0.088 χ^2/NDF : 2070372.9/23

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326+/-32.769 χ^2/NDF : 16.6/16

Left Out: 51.060+/-45.693 χ^2/NDF : 3.6/4

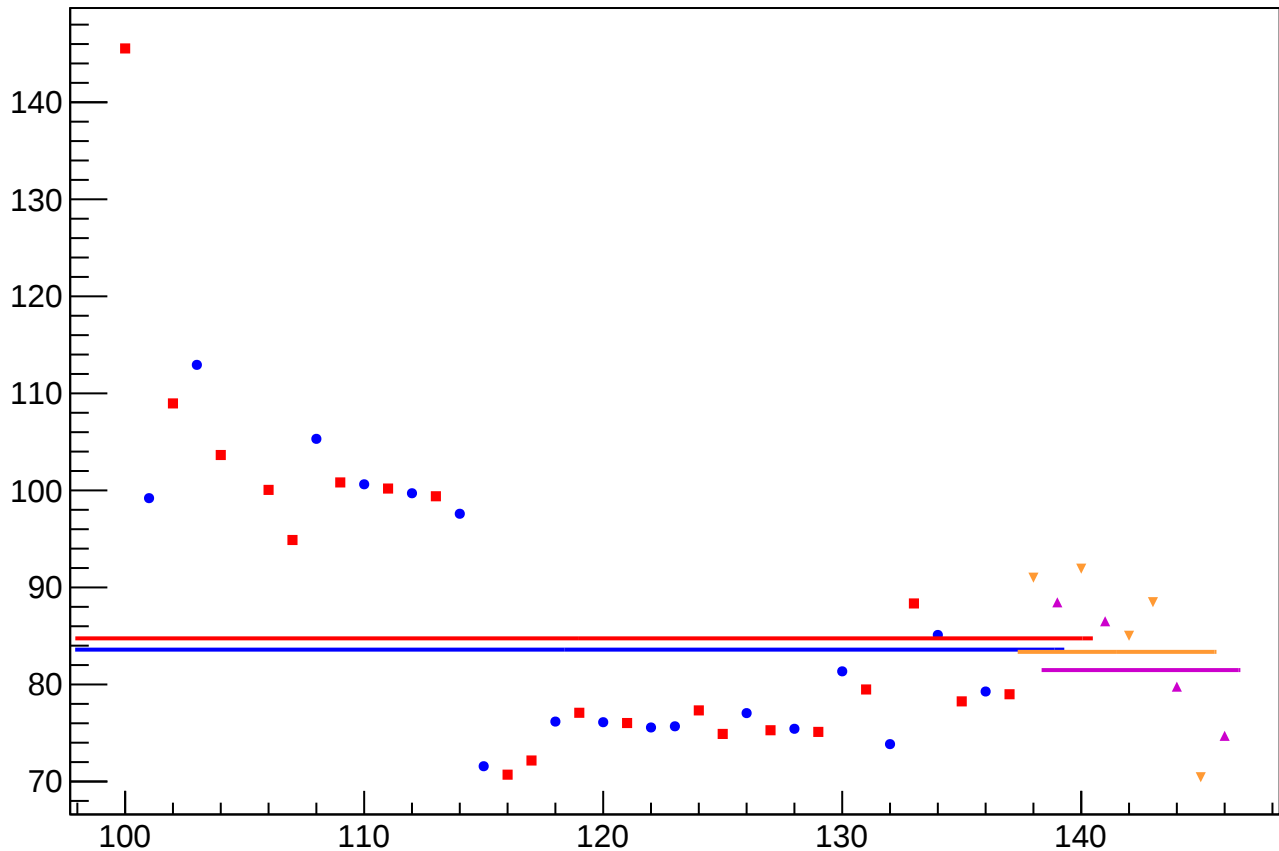
Right Out: -140.070+/-32.198 χ^2/NDF : 12.1/19

Left In: 68.088+/-45.447 χ^2/NDF : 3.1/3

136.422+/-26.629 χ^2/NDF : 25.4/21

-70.505+/-26.273 χ^2/NDF : 29.2/23

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 83.361+/-0.032 χ^2/NDF : 80447.8/4

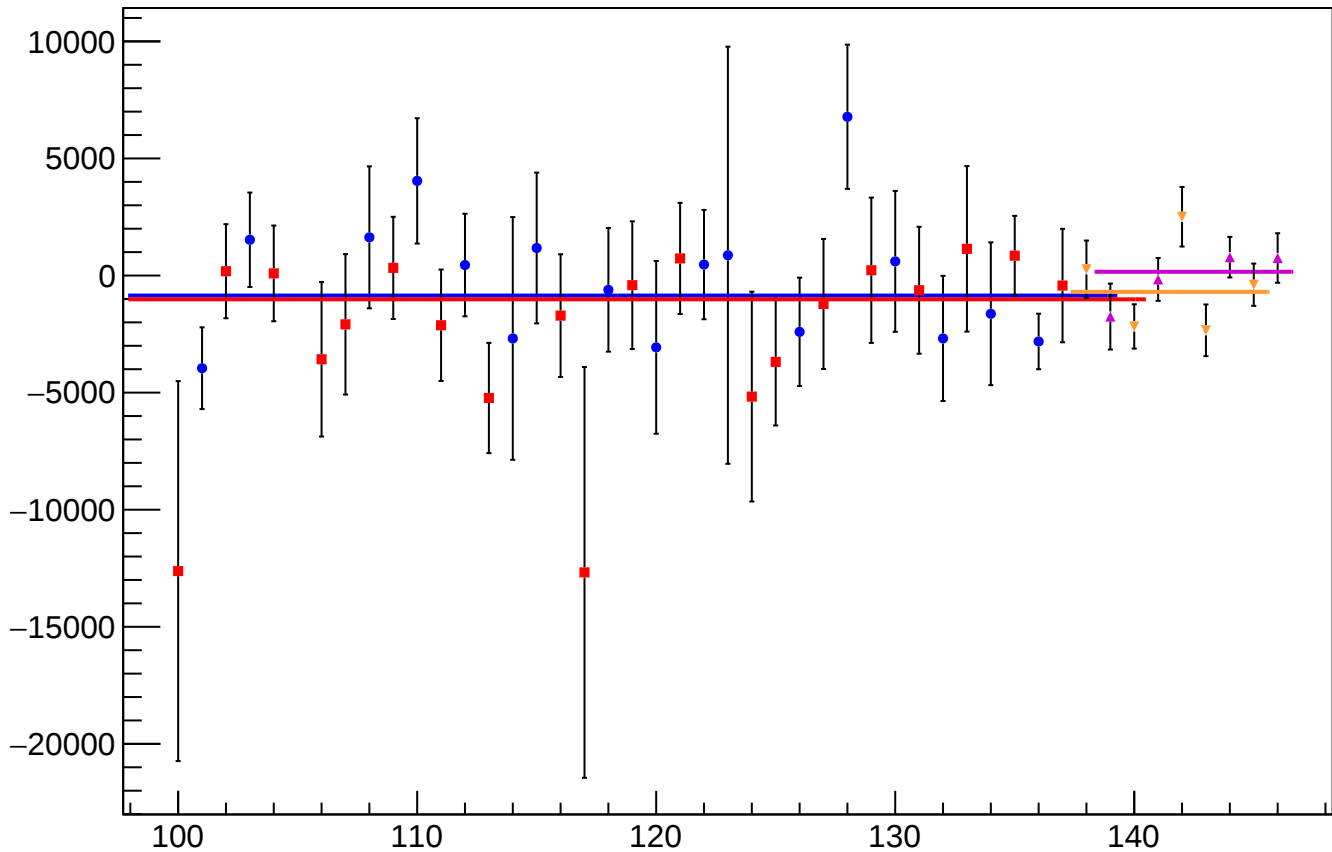
Right Out: 84.752+/-0.023 χ^2/NDF : 293262.6/19

Left In: 81.483+/-0.032 χ^2/NDF : 28814.7/3

83.513+/-0.019 χ^2/NDF : 336402.8/21

83.659+/-0.019 χ^2/NDF : 328964.9/23

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -696.949+/-474.289 χ^2/NDF : 11.7/4

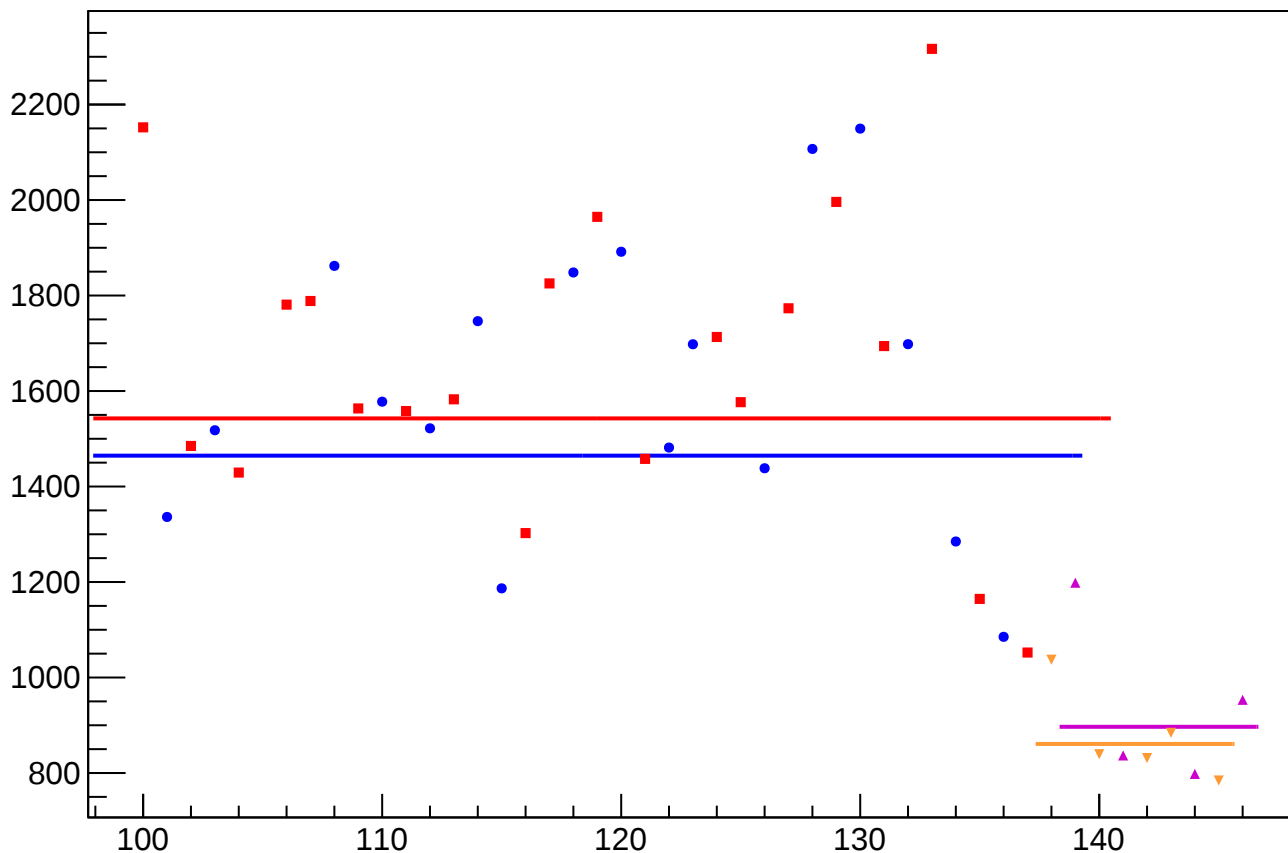
Right Out: -1015.523+/-587.747 χ^2/NDF : 13.3/19

Left In: 161.460+/-504.759 χ^2/NDF : 2.8/3

-759.978+/-367.990 χ^2/NDF : 32.1/21

-338.139+/-382.927 χ^2/NDF : 18.4/23

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2/NDF : 560863.4/16

Left Out: 860.888 $\pm$ 0.335 χ^2/NDF : 58644.1/4

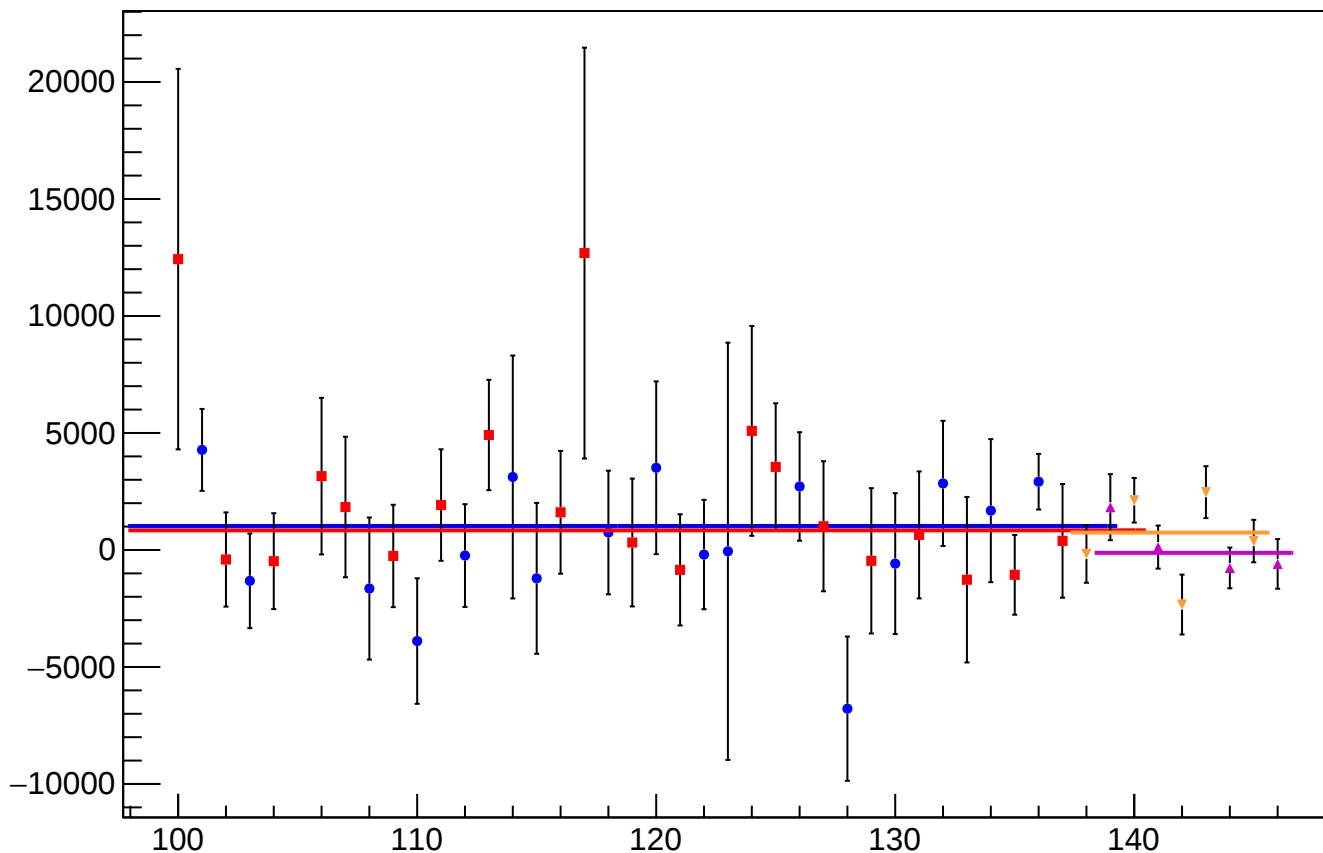
Right Out: 1542.663 $\pm$ 0.416 χ^2/NDF : 455797.2/19

Left In: 896.796 $\pm$ 0.357 χ^2/NDF : 132147.7/3

1101.190 $\pm$ 0.260 χ^2/NDF : 1909407.5/21

1170.950 $\pm$ 0.271 χ^2/NDF : 1977895.8/23

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527+/-584.500 χ^2/NDF : 20.9/16

Left Out: 744.648+/-476.654 χ^2/NDF : 11.0/4

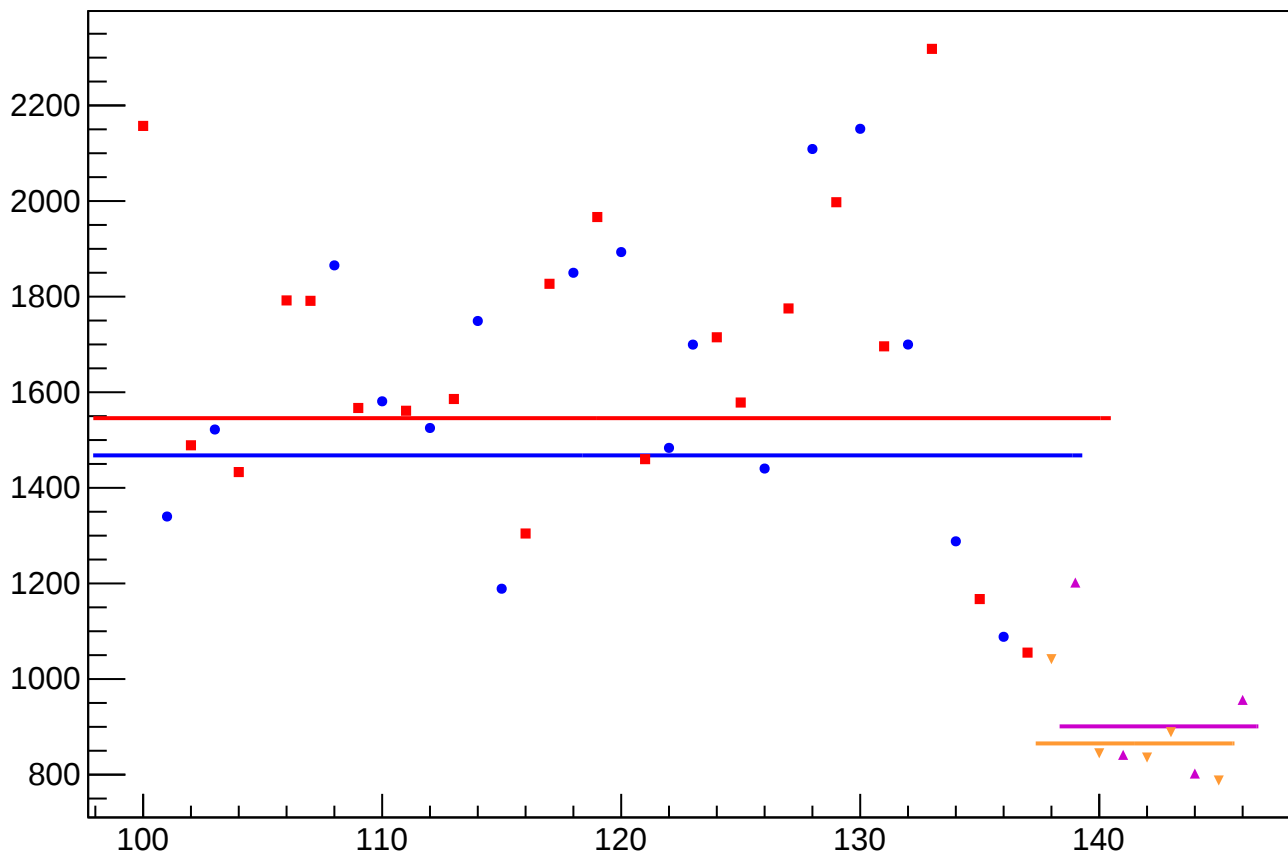
Right Out: 840.586+/-589.057 χ^2/NDF : 13.0/19

Left In: -122.490+/-507.027 χ^2/NDF : 2.7/3

856.834+/-369.397 χ^2/NDF : 32.1/21

287.373+/-384.279 χ^2/NDF : 17.3/23

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 865.291+/-0.337 χ^2/NDF : 58412.6/4

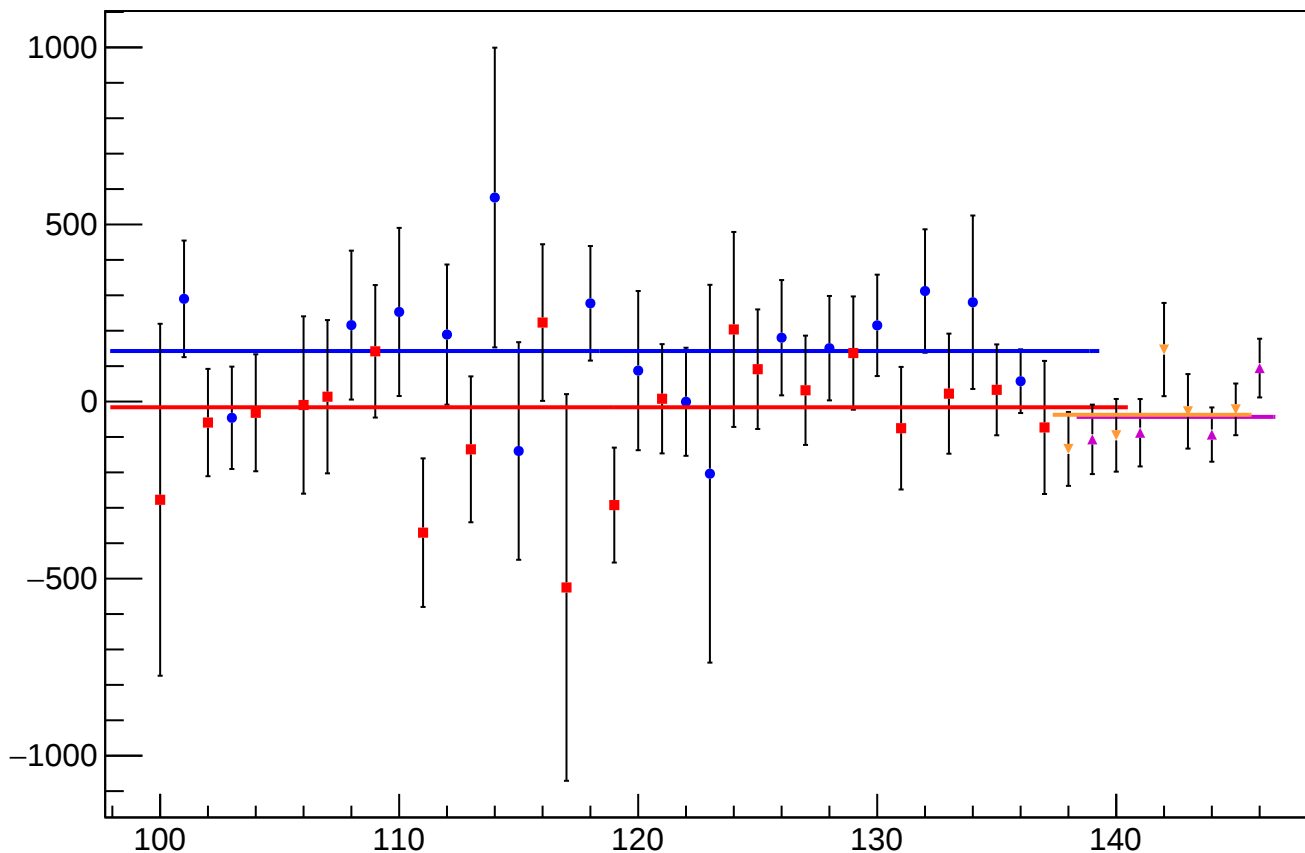
Right Out: 1545.785+/-0.417 χ^2/NDF : 453865.6/19

Left In: 900.994+/-0.359 χ^2/NDF : 130408.5/3

1105.981+/-0.261 χ^2/NDF : 1892659.3/21

1175.402+/-0.272 χ^2/NDF : 1960800.4/23

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -37.326 $\pm$ 43.737 χ^2 /NDF: 3.2/4

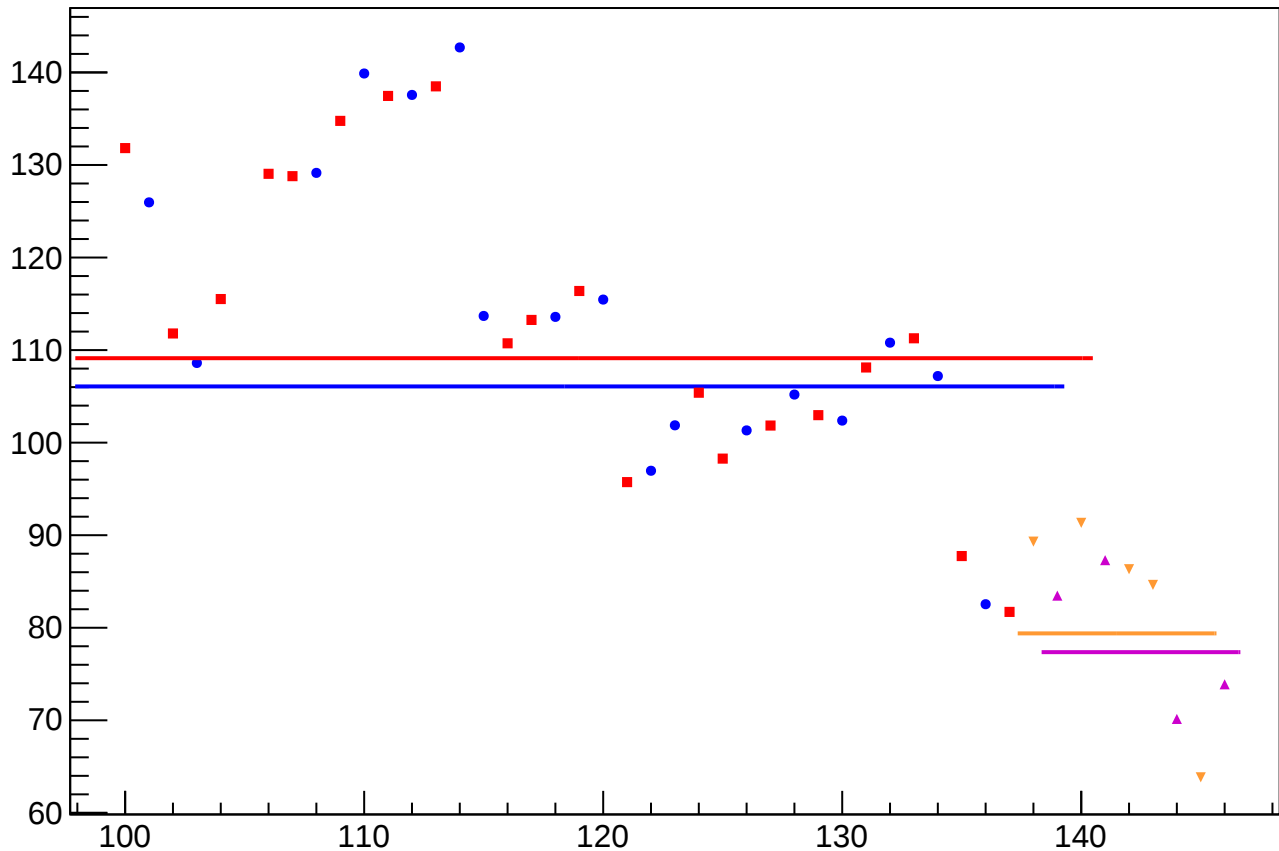
Right Out: -16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

Left In: -43.281 $\pm$ 43.419 χ^2 /NDF: 3.8/3

57.128 $\pm$ 30.152 χ^2 /NDF: 21.4/21

-29.005 $\pm$ 29.916 χ^2 /NDF: 15.7/23

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 79.391 $\pm$ 0.031 χ^2 /NDF:146499.5/4

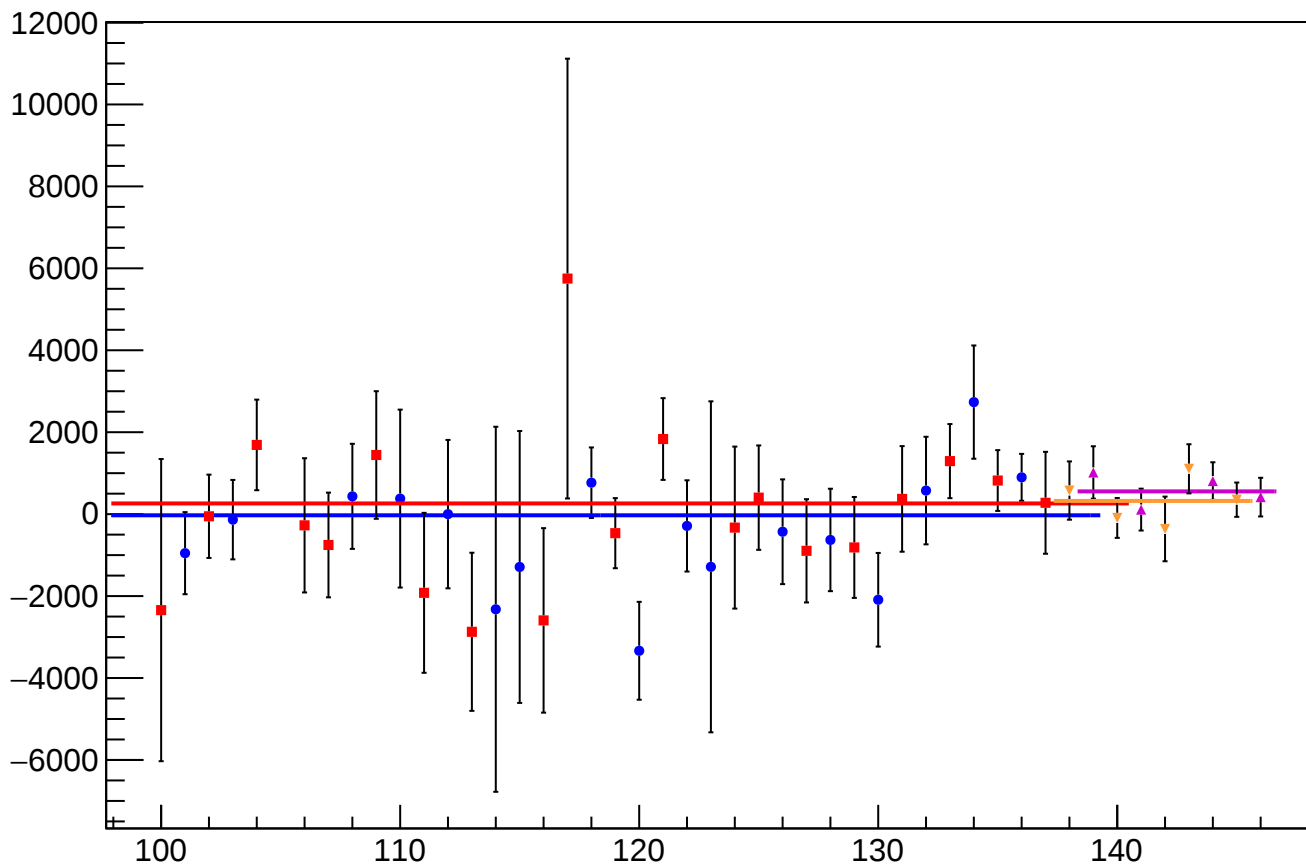
Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

Left In: 77.364 $\pm$ 0.031 χ^2 /NDF:50847.4/3

93.392 $\pm$ 0.021 χ^2 /NDF: 854998.6/21

94.047 $\pm$ 0.021 χ^2 /NDF: 898465.6/23

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969+/-283.741 χ^2/NDF : 20.5/16

Left Out: 322.558+/-247.739 χ^2/NDF : 3.3/4

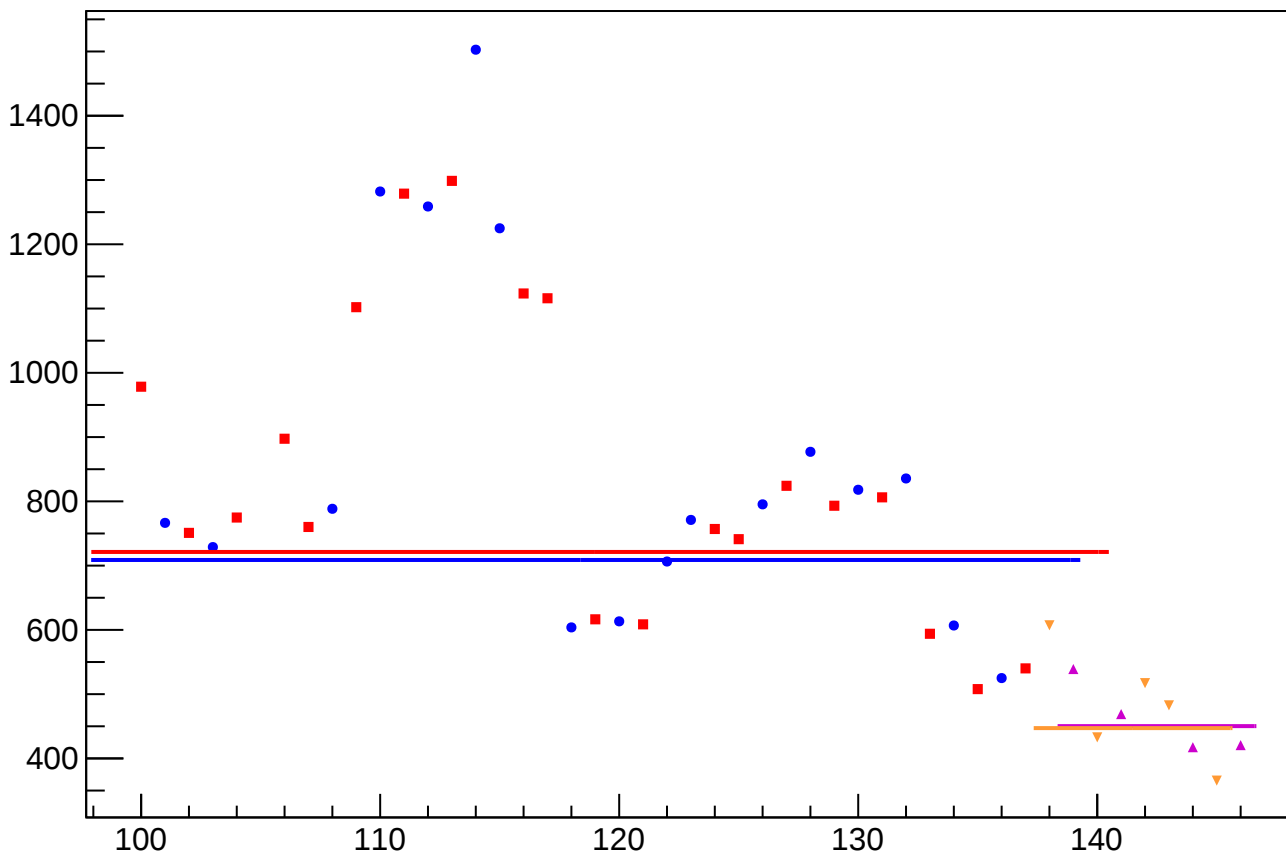
Right Out: 261.265+/-279.073 χ^2/NDF : 16.9/19

Left In: 555.404+/-253.771 χ^2/NDF : 1.7/3

170.931+/-186.617 χ^2/NDF : 24.7/21

422.270+/-187.753 χ^2/NDF : 19.2/23

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2/NDF : 793538.1/16

Left Out: 447.167 $\pm$ 0.175 χ^2/NDF : 201870.9/4

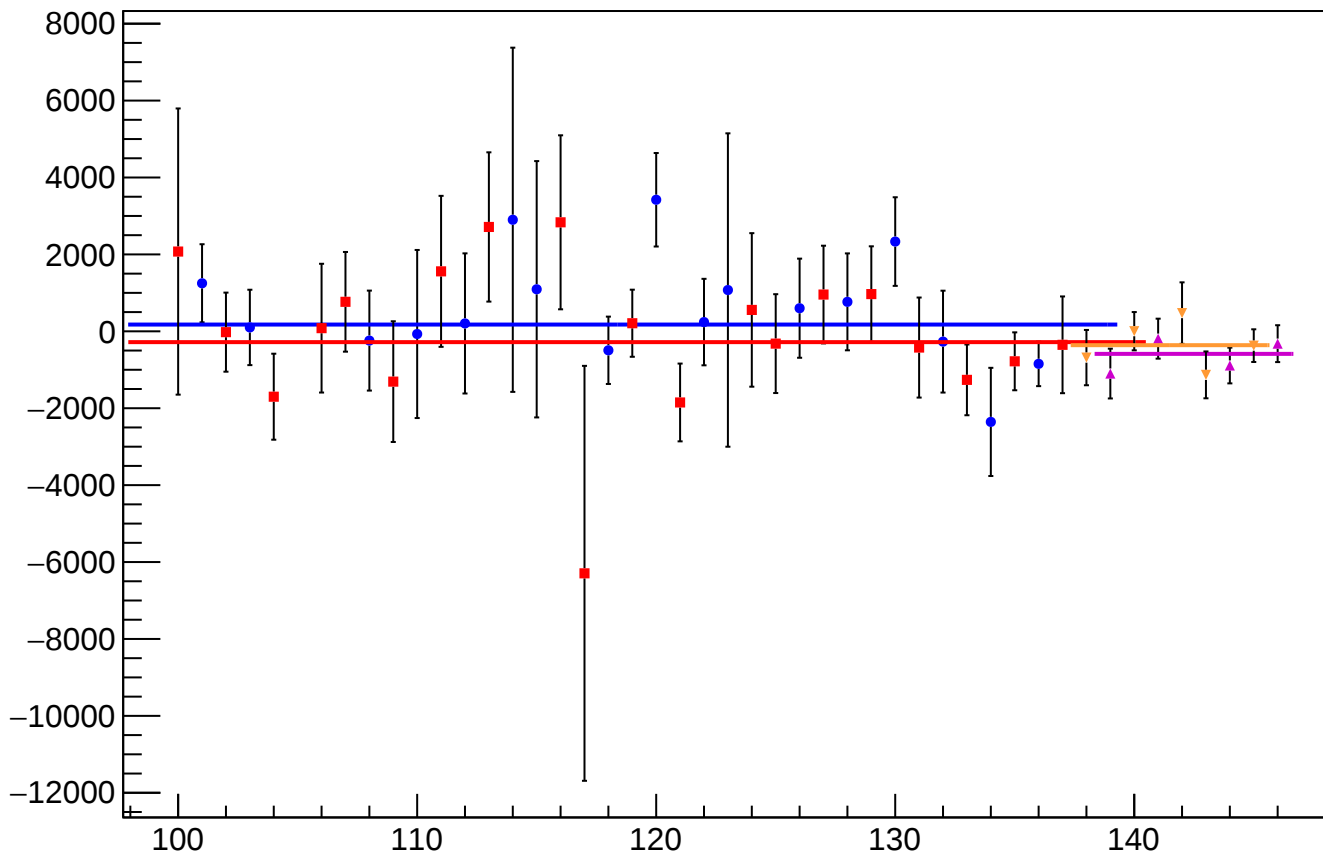
Right Out: 721.271 $\pm$ 0.197 χ^2/NDF : 910781.0/19

Left In: 450.264 $\pm$ 0.179 χ^2/NDF : 59372.4/3

560.335 $\pm$ 0.132 χ^2/NDF : 1960189.6/21

572.928 $\pm$ 0.133 χ^2/NDF : 2002540.4/23

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -360.427 $\pm$ 251.839 χ^2 /NDF:3.4/4

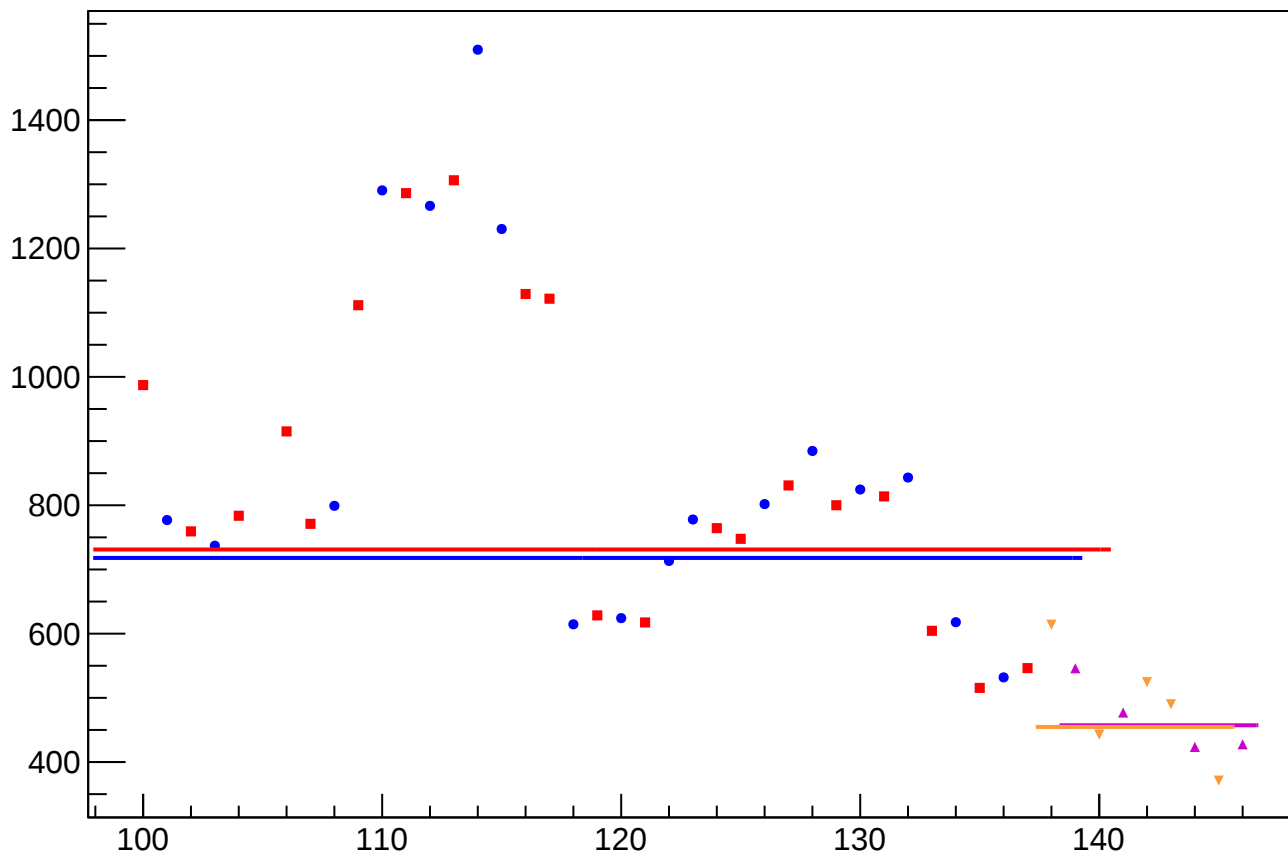
Right Out: -281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

Left In: -586.565 $\pm$ 257.663 χ^2 /NDF:1.9/3

-127.333 $\pm$ 189.357 χ^2 /NDF: 25.1/21

-447.981 $\pm$ 190.428 χ^2 /NDF: 18.6/23

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 454.732+/-0.178 χ^2/NDF :198652.5/4

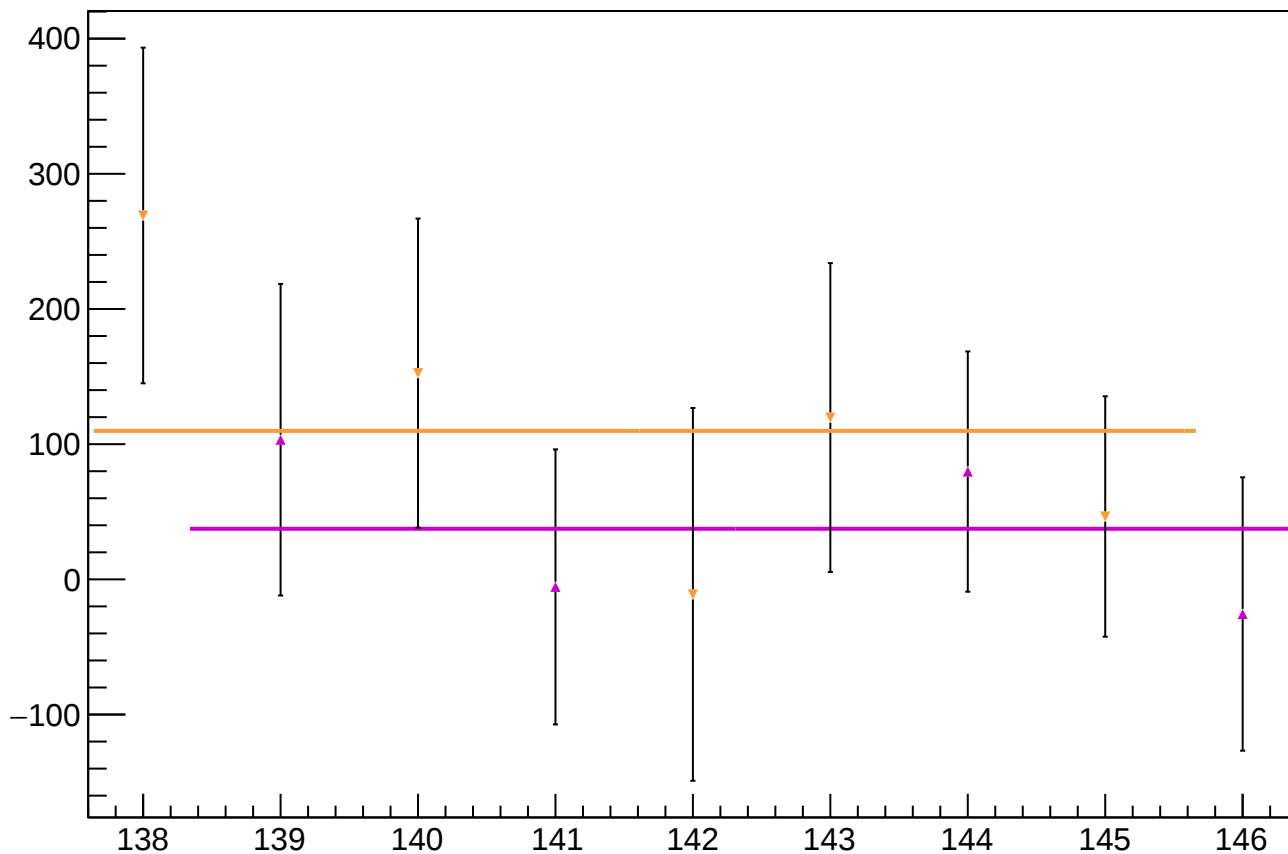
Right Out: 731.116+/-0.200 χ^2/NDF : 892357.6/19

Left In: 457.283+/-0.182 χ^2/NDF :58741.2/3

569.150+/-0.134 χ^2/NDF : 1927027.8/21

581.546+/-0.135 χ^2/NDF : 1976166.2/23

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 109.814+/-50.186 χ^2/NDF : 3.1/4

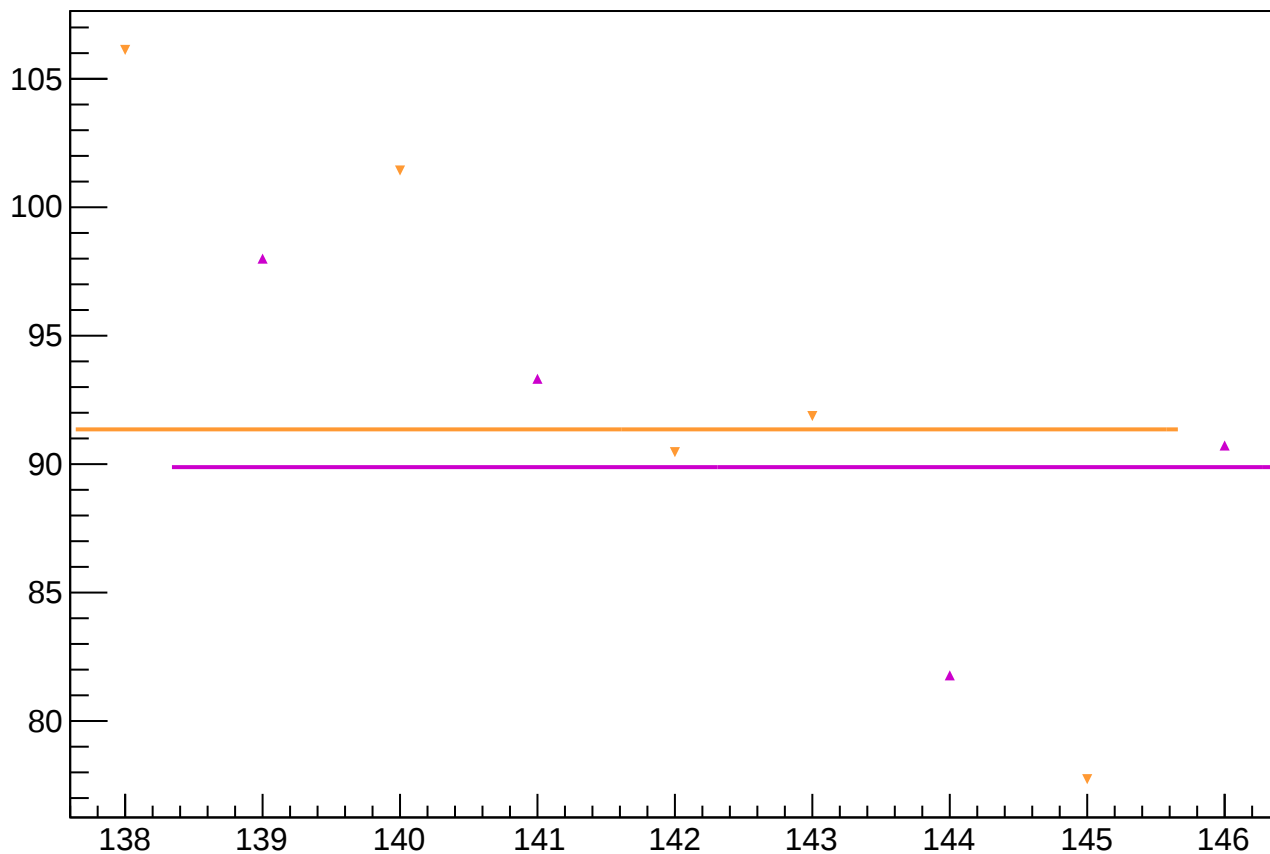
109.814+/-50.186 χ^2/NDF : 3.1/4

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

Left In: 37.415+/-50.235 χ^2/NDF : 1.1/3

37.415+/-50.235 χ^2/NDF : 1.1/3

reg_asym_sam_1548_avg_rms vs Slug



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

Left Out: 91.353+/-0.035 χ^2/NDF : 90892.5/4

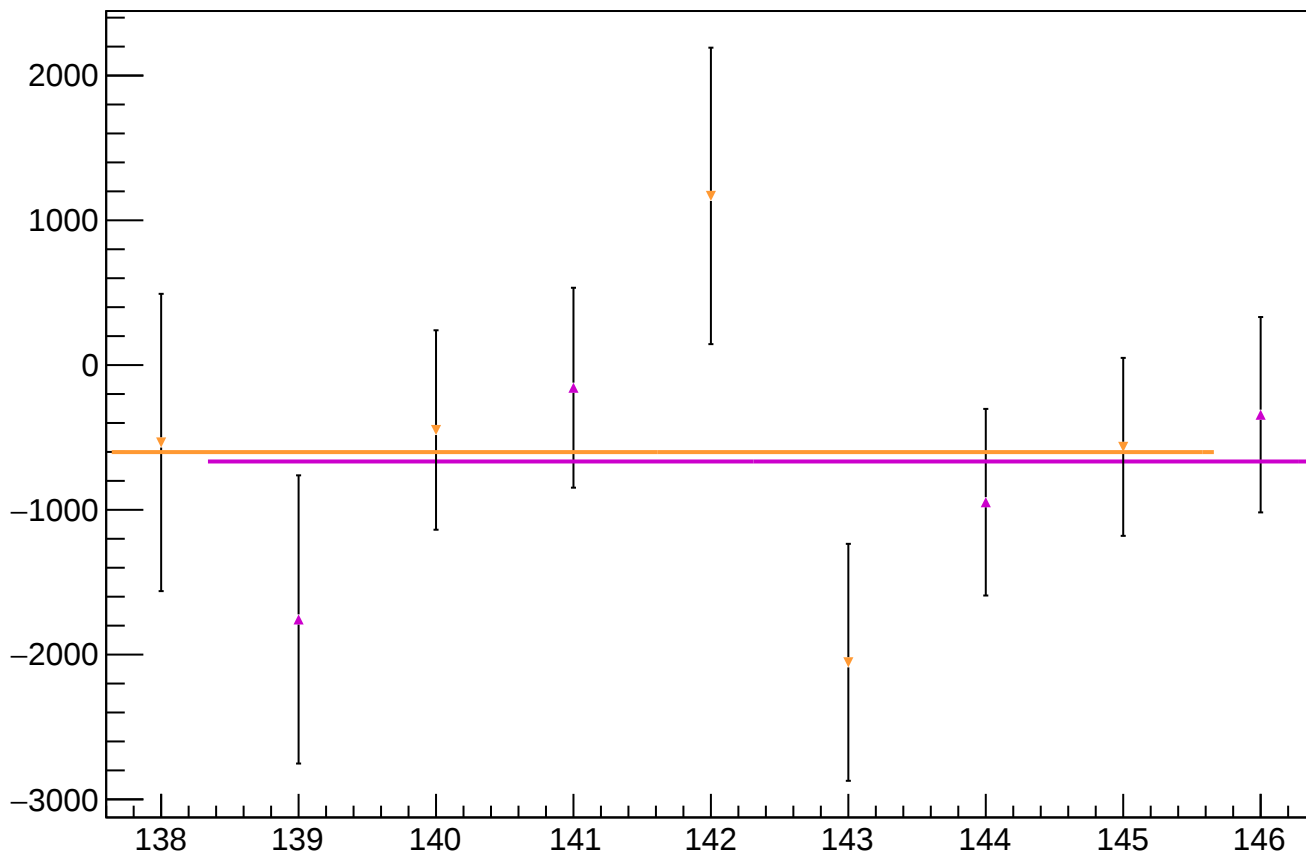
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 89.884+/-0.036 χ^2/NDF : 28981.5/3

91.353+/-0.035 χ^2/NDF : 90892.5/4

89.884+/-0.036 χ^2/NDF : 28981.5/3

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -601.163+/-350.316 χ^2/NDF : 6.2/4

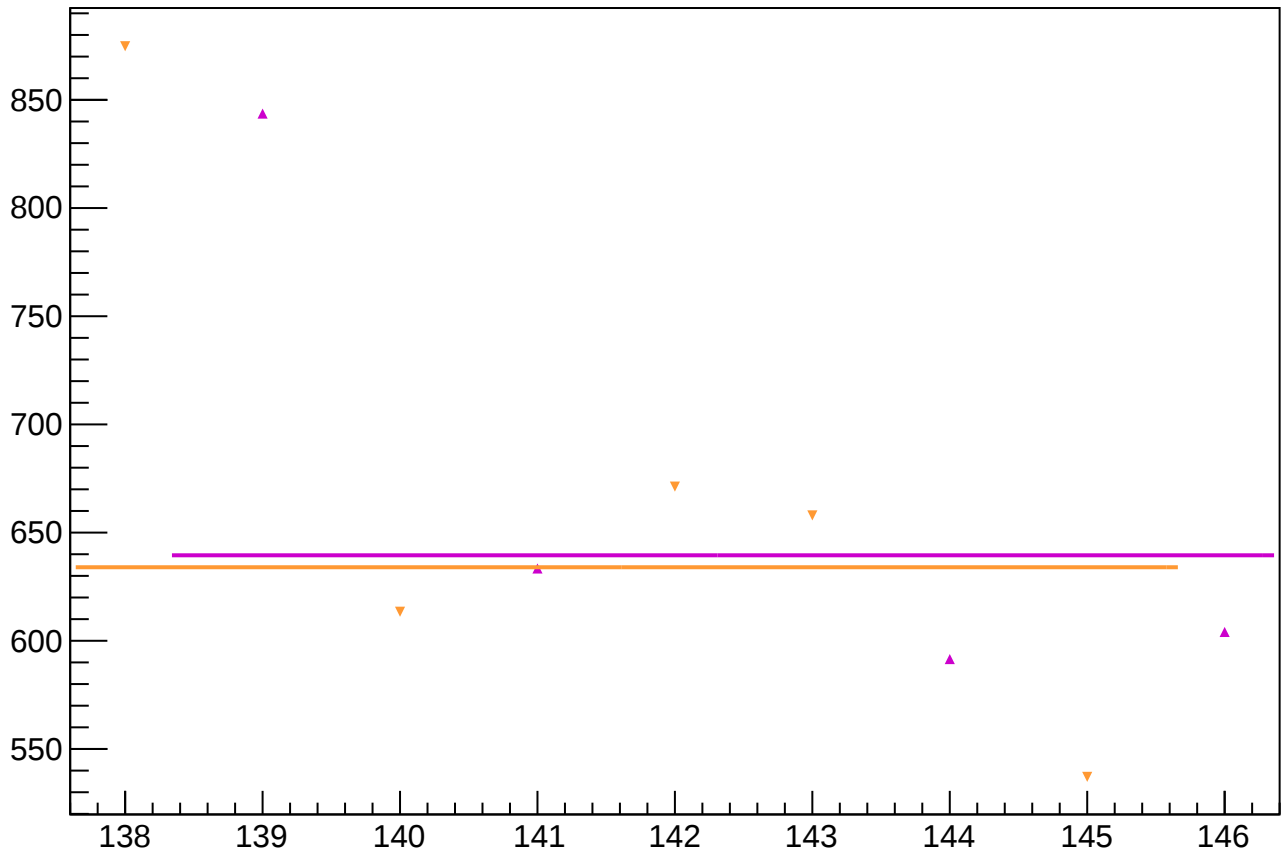
-601.163+/-350.316 χ^2/NDF : 6.2/4

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

-666.039+/-360.154 χ^2/NDF : 2.2/3

Left In: -666.039+/-360.154 χ^2/NDF : 2.2/3

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 633.984+/-0.248 χ^2/NDF : 165811.0/4

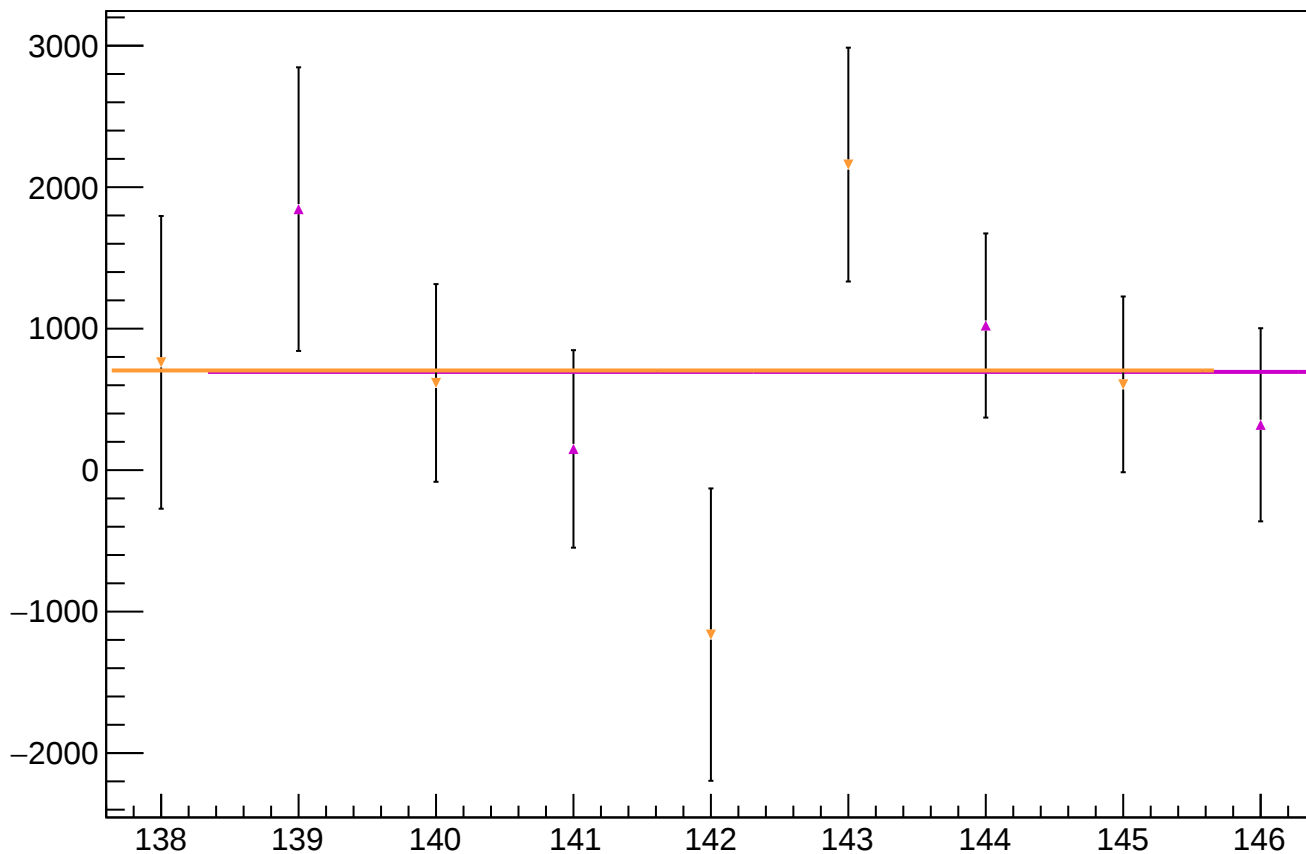
633.984+/-0.248 χ^2/NDF : 165811.0/4

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

639.511+/-0.255 χ^2/NDF : 100858.1/3

Left In: 639.511+/-0.255 χ^2/NDF : 100858.1/3

asym_sam_1548_avg_mean vs Slug



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

Left Out: 704.439+/-354.094 χ^2/NDF : 6.4/4

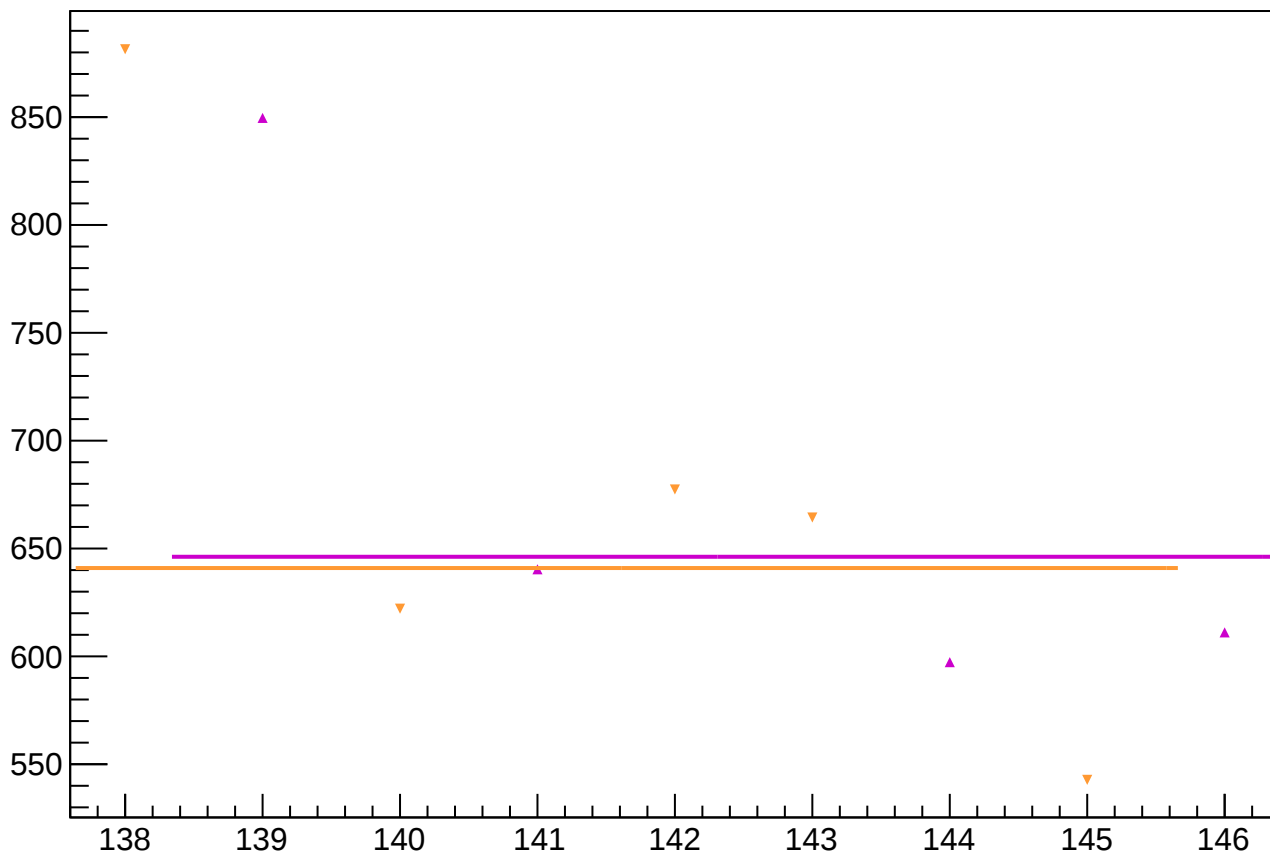
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 694.267+/-363.824 χ^2/NDF : 2.5/3

704.439+/-354.094 χ^2/NDF : 6.4/4

694.267+/-363.824 χ^2/NDF : 2.5/3

asym_sam_1548_avg_rms vs Slug



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

Left Out: 640.952+/-0.250 χ^2/NDF : 163635.1/4

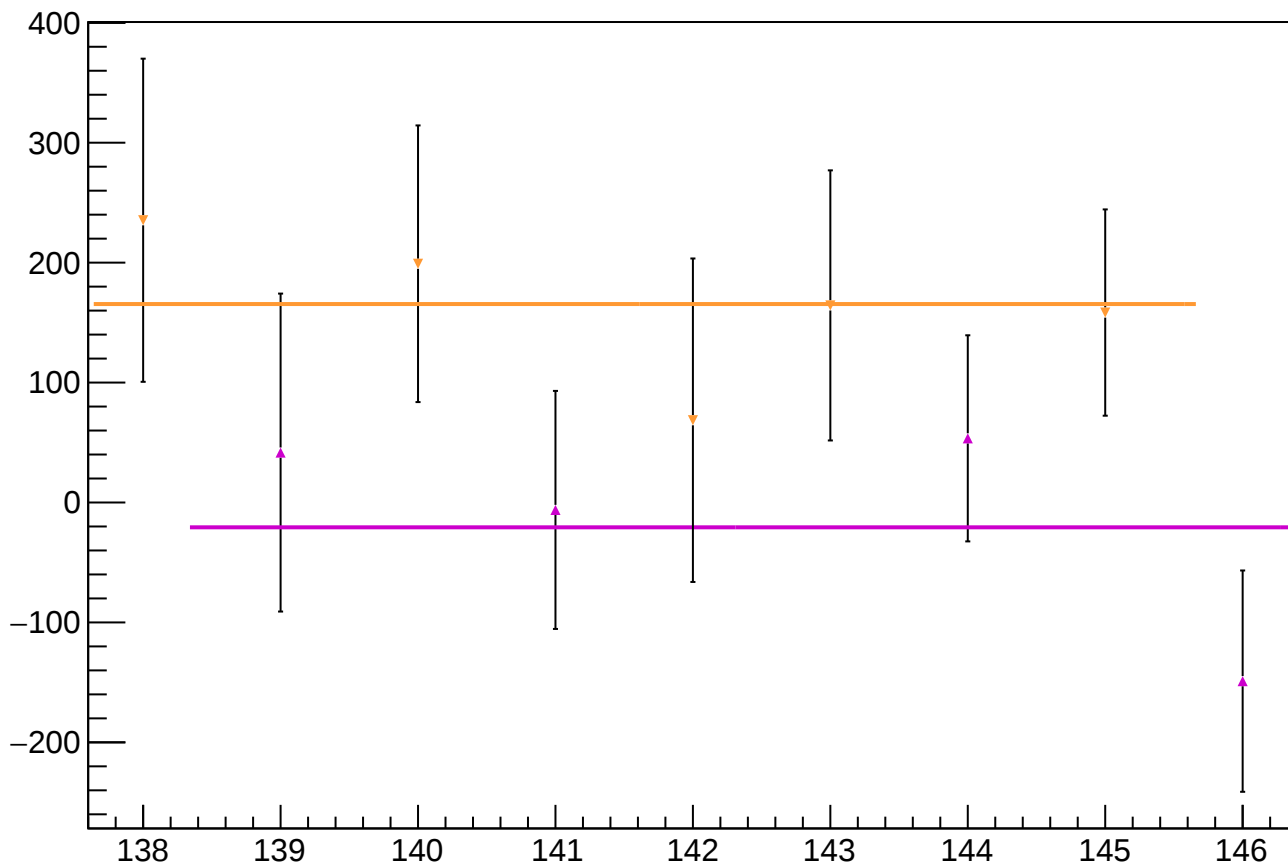
640.952+/-0.250 χ^2/NDF : 163635.1/4

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

646.177+/-0.257 χ^2/NDF : 99089.1/3

Left In: 646.177+/-0.257 χ^2/NDF : 99089.1/3

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 165.471+/-50.044 χ^2/NDF : 0.9/4

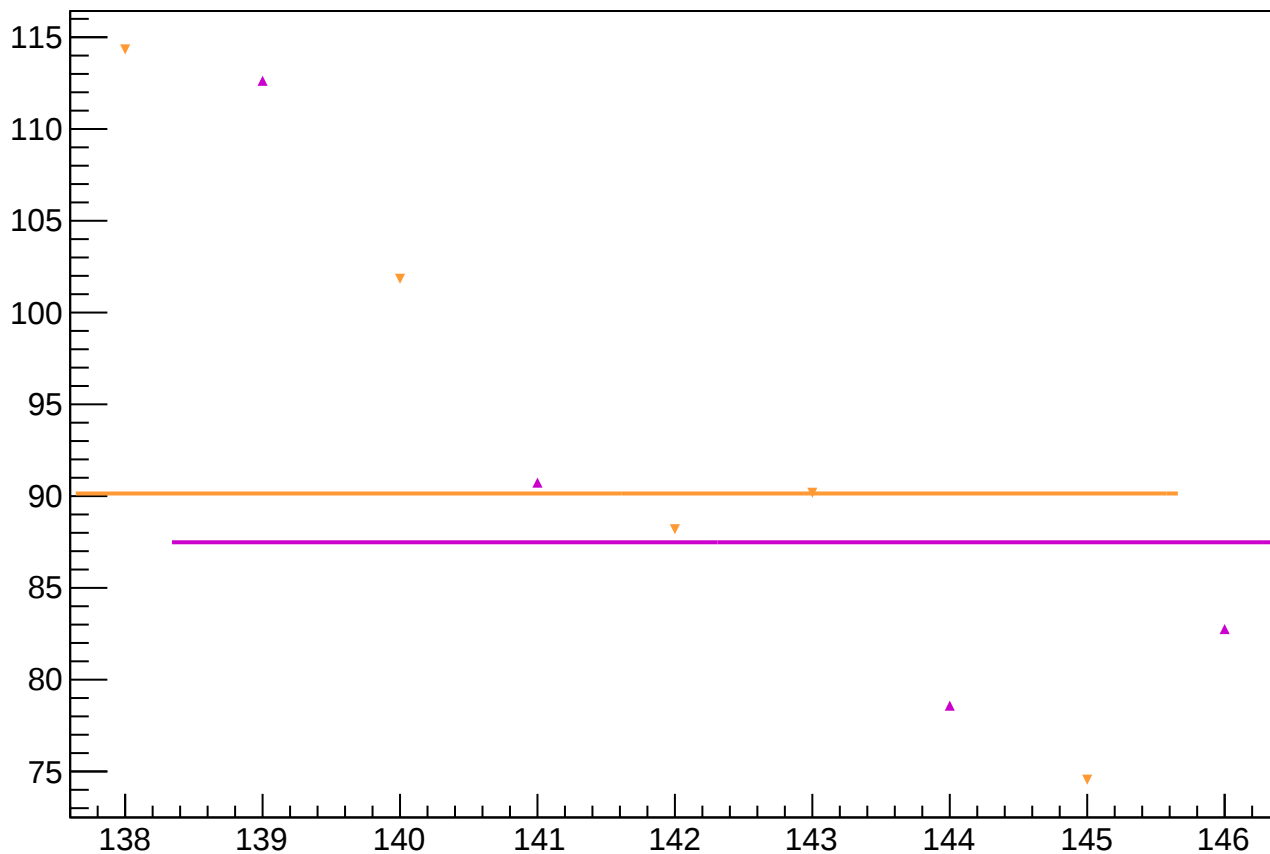
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -20.701+/-49.306 χ^2/NDF : 2.9/3

165.471+/-50.044 χ^2/NDF : 0.9/4

-20.701+/-49.306 χ^2/NDF : 2.9/3

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 90.143+/-0.035 χ^2/NDF : 151211.1/4

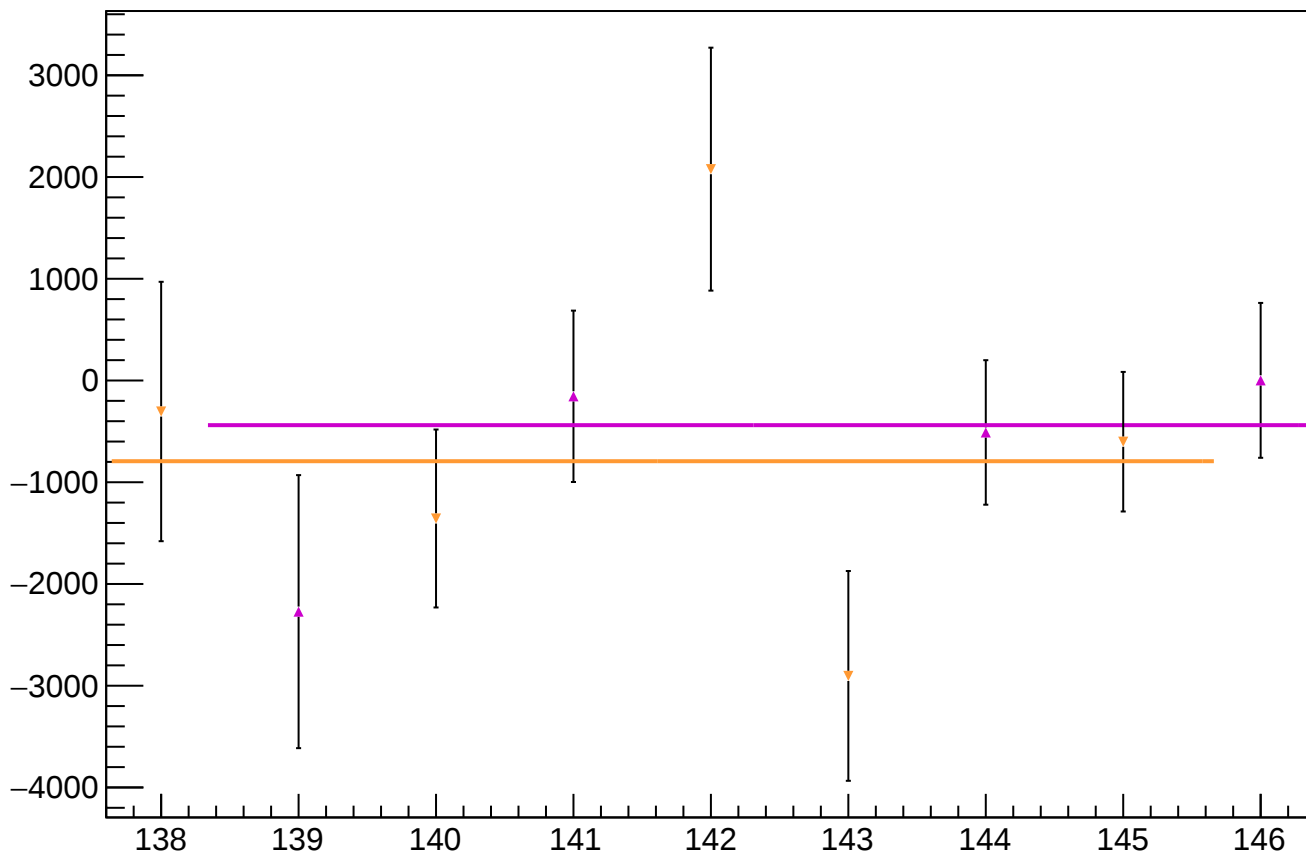
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 87.485+/-0.035 χ^2/NDF : 100795.8/3

90.143+/-0.035 χ^2/NDF : 151211.1/4

87.485+/-0.035 χ^2/NDF : 100795.8/3

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -793.229+/-419.218 χ^2/NDF :10.6/4

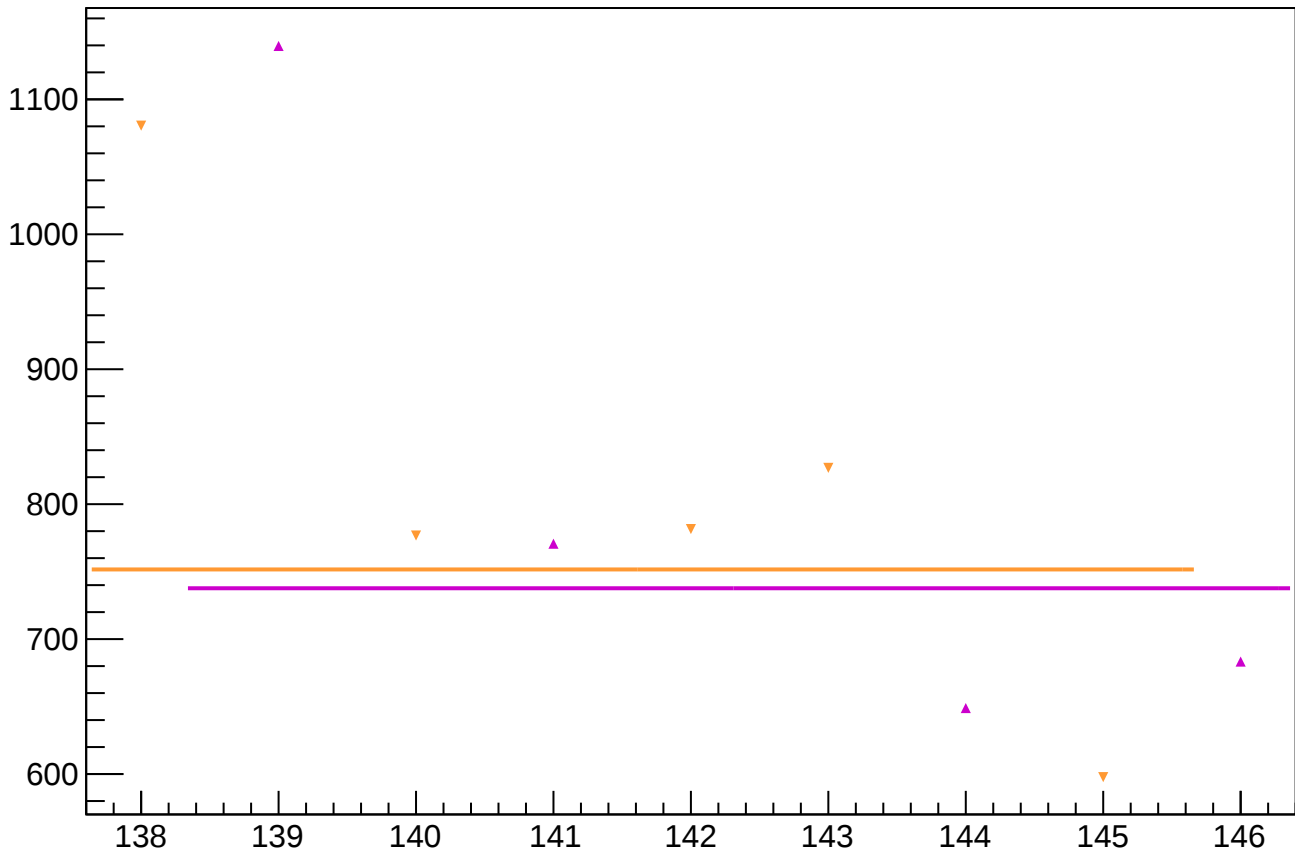
-793.229+/-419.218 χ^2/NDF : 10.6/4

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

-438.937+/-419.831 χ^2/NDF : 2.3/3

Left In: -438.937+/-419.831 χ^2/NDF :2.3/3

asym_sam_3748_avg_correction_rms vs Slug



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

Left Out: 751.621+/-0.296 χ^2/NDF : 247390.6/4

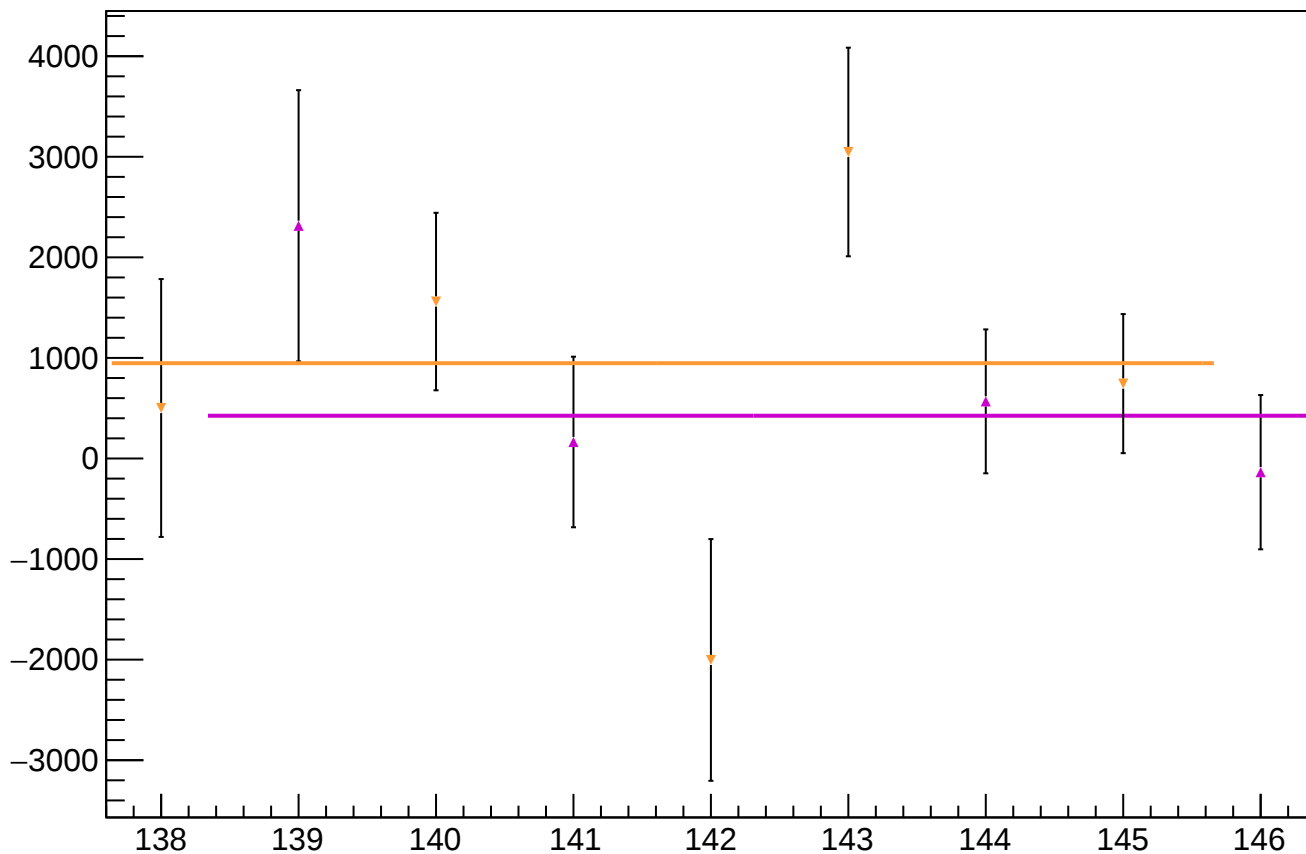
751.621+/-0.296 χ^2/NDF : 247390.6/4

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

Left In: 737.681+/-0.297 χ^2/NDF : 223929.8/3

737.681+/-0.297 χ^2/NDF : 223929.8/3

asym_sam_3748_avg_mean vs Slug



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

Left Out: 947.509+/-422.351 χ^2/NDF : 10.8/4

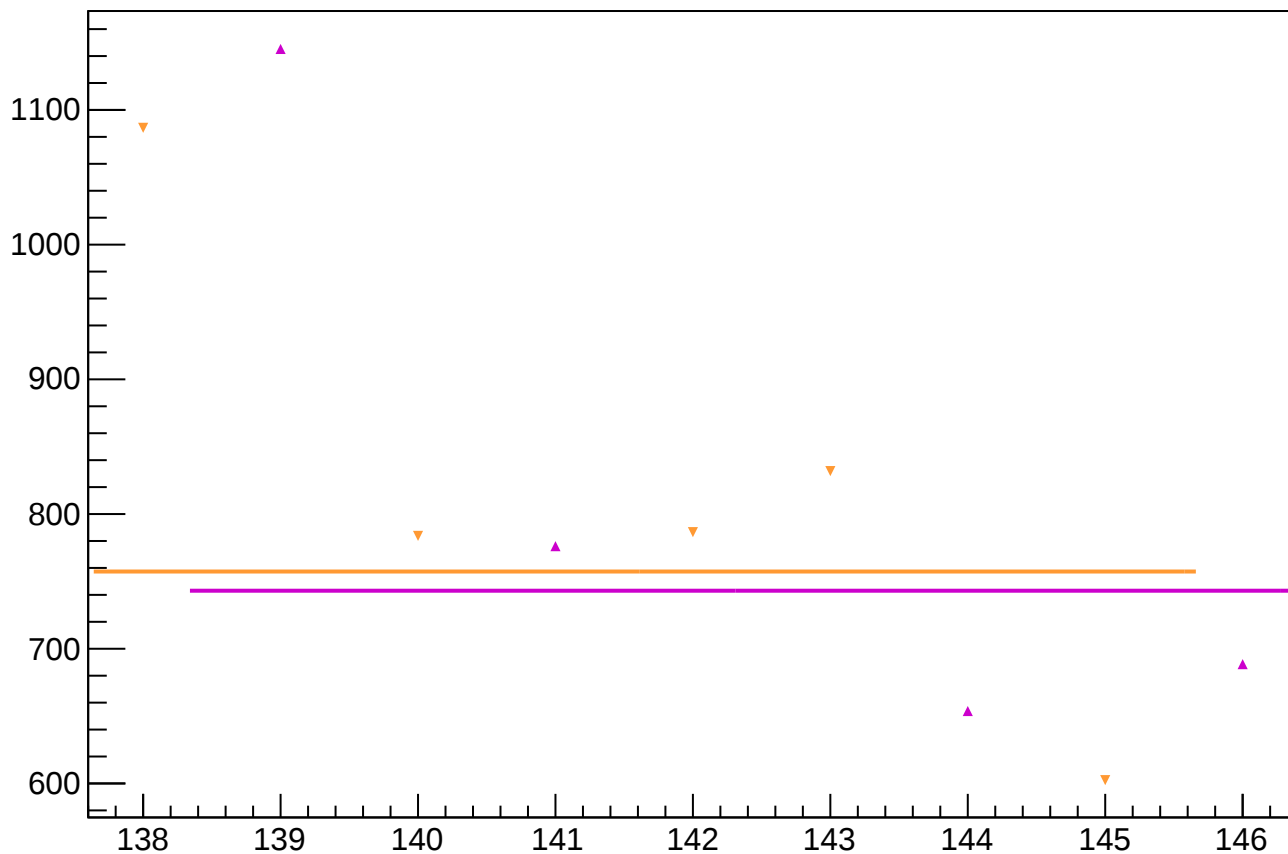
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 425.214+/-422.833 χ^2/NDF : 2.6/3

947.509+/-422.351 χ^2/NDF : 10.8/4

425.214+/-422.833 χ^2/NDF : 2.6/3

asym_sam_3748_avg_rms vs Slug



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

Left Out: 757.337+/-0.299 χ^2/NDF : 245663.0/4

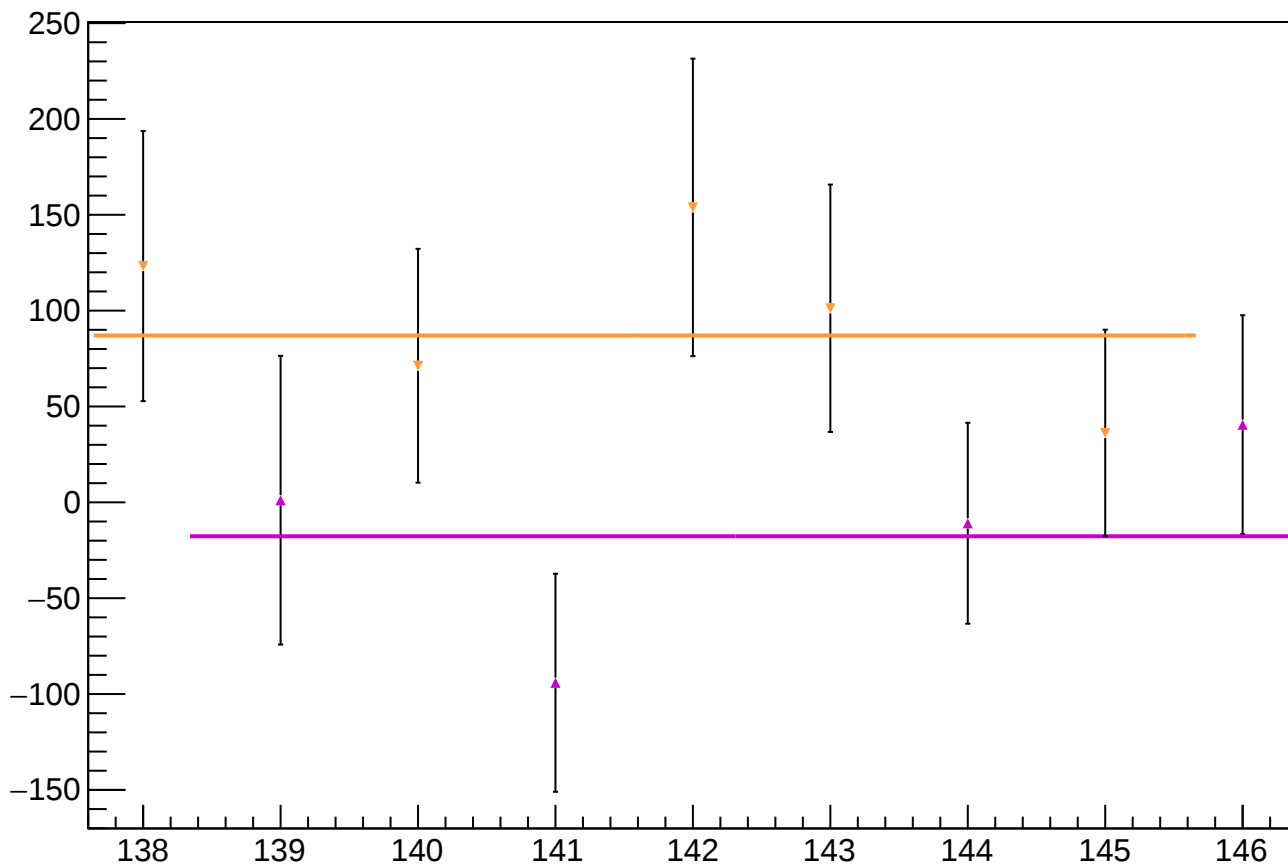
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 743.085+/-0.299 χ^2/NDF : 222214.5/3

757.337+/-0.299 χ^2/NDF : 245663.0/4

743.085+/-0.299 χ^2/NDF : 222214.5/3

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 87.058 $\pm$ 28.611 χ^2 /NDF: 2.0/4

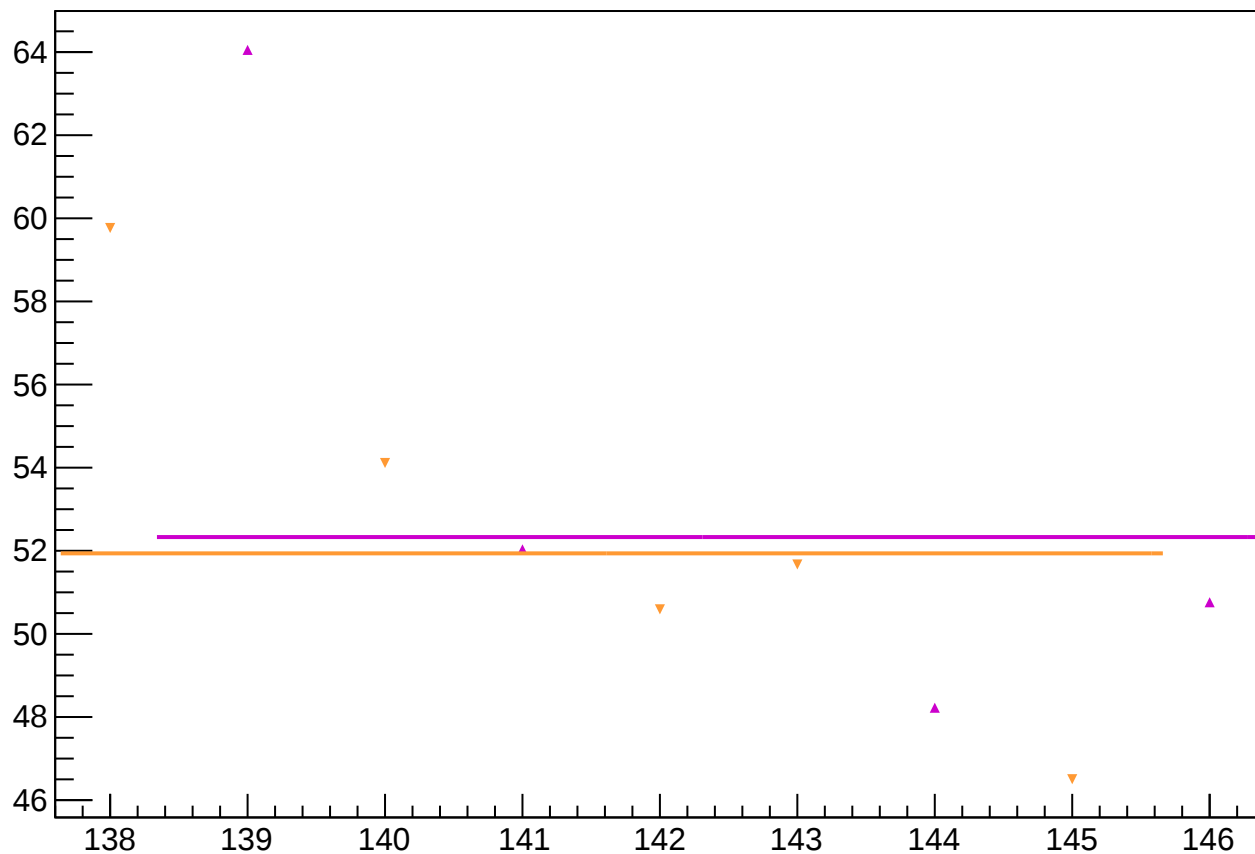
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -17.706 $\pm$ 29.407 χ^2 /NDF: 2.9/3

87.058 $\pm$ 28.611 χ^2 /NDF: 2.0/4

-17.706 $\pm$ 29.407 χ^2 /NDF: 2.9/3

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 51.938+/-0.020 χ^2/NDF : 48262.2/4

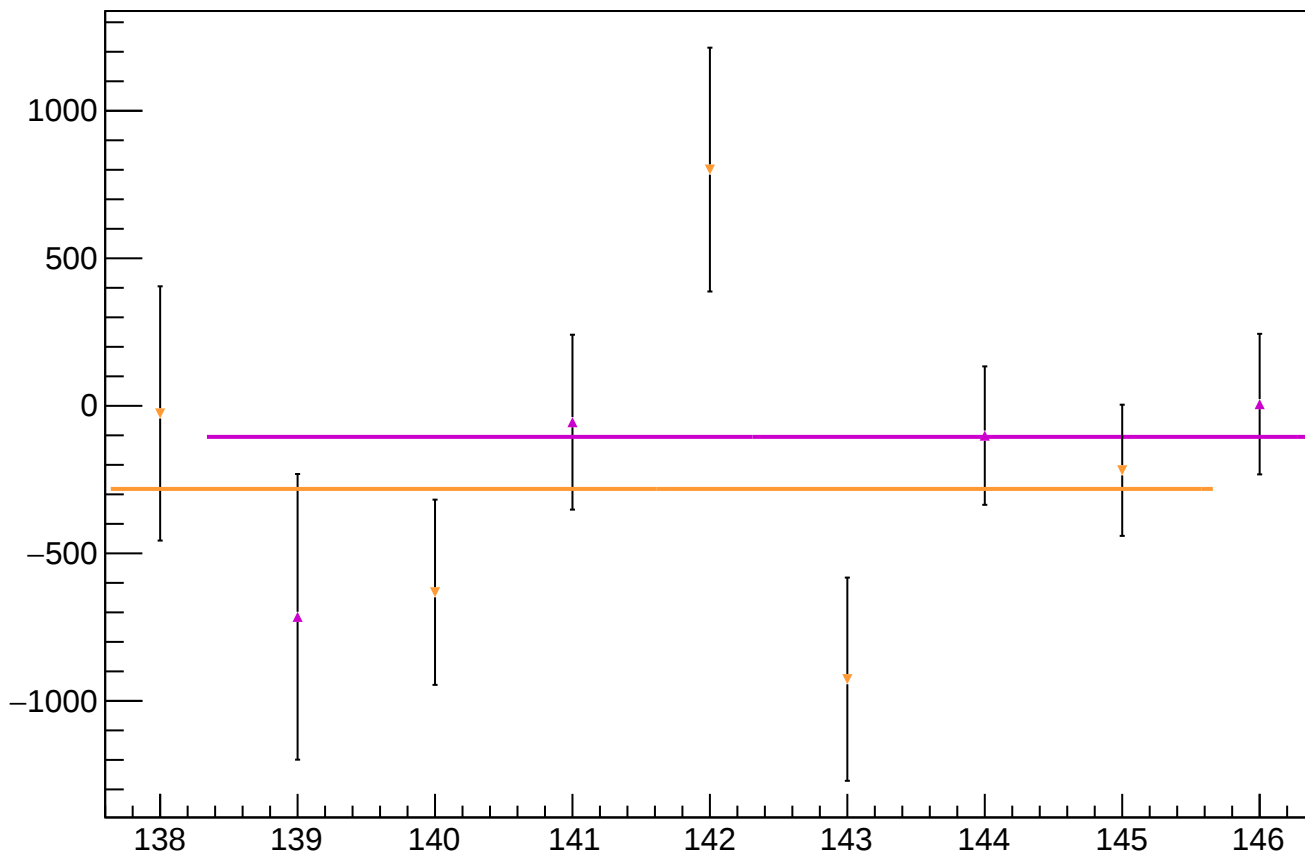
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 52.330+/-0.021 χ^2/NDF : 62326.9/3

51.938+/-0.020 χ^2/NDF : 48262.2/4

52.330+/-0.021 χ^2/NDF : 62326.9/3

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -281.542+/-141.333 χ^2/NDF :12.0/4

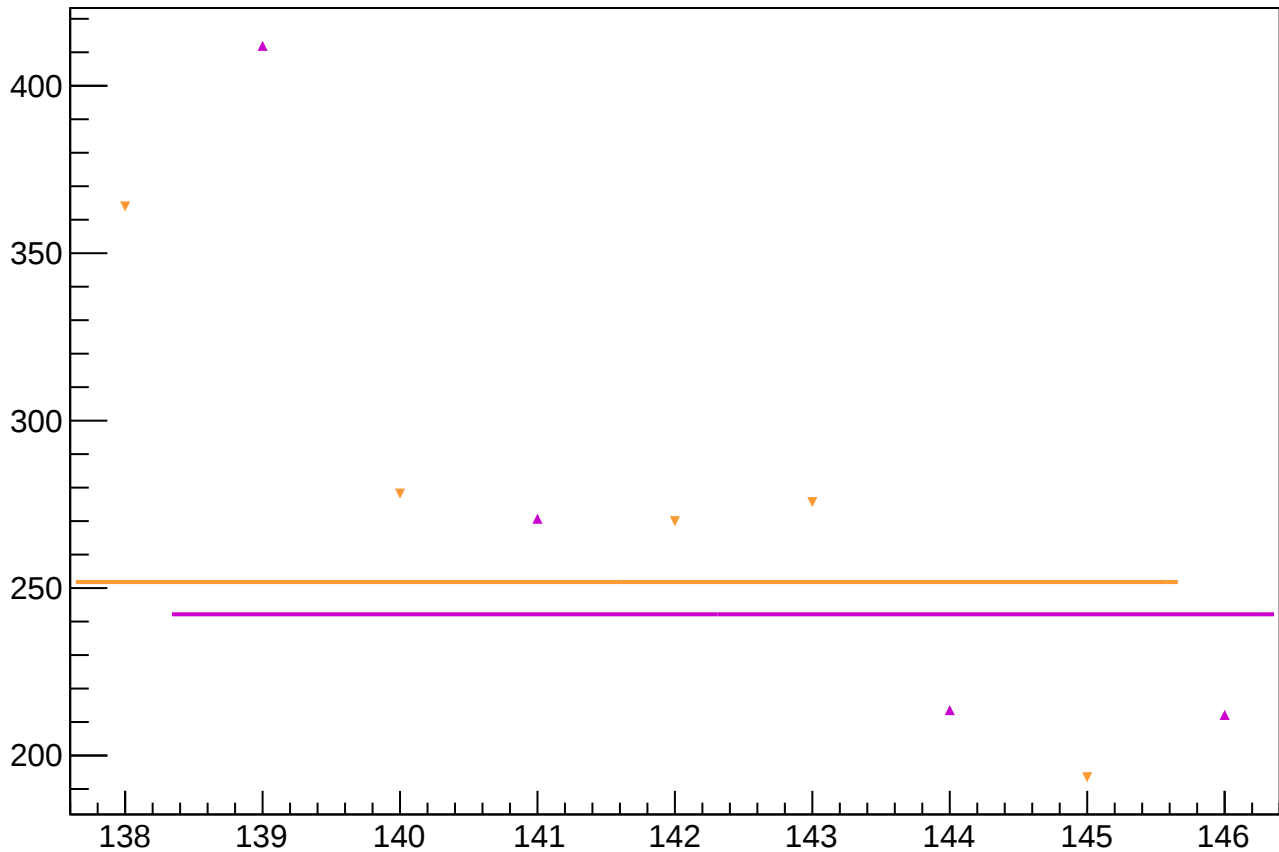
-281.542+/-141.333 χ^2/NDF : 12.0/4

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

-105.167+/-139.412 χ^2/NDF : 1.8/3

Left In: -105.167+/-139.412 χ^2/NDF :1.8/3

asym_sam_1526_avg_correction_rms vs Slug



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

Left Out: 251.798+/-0.100 χ^2/NDF : 300681.9/4

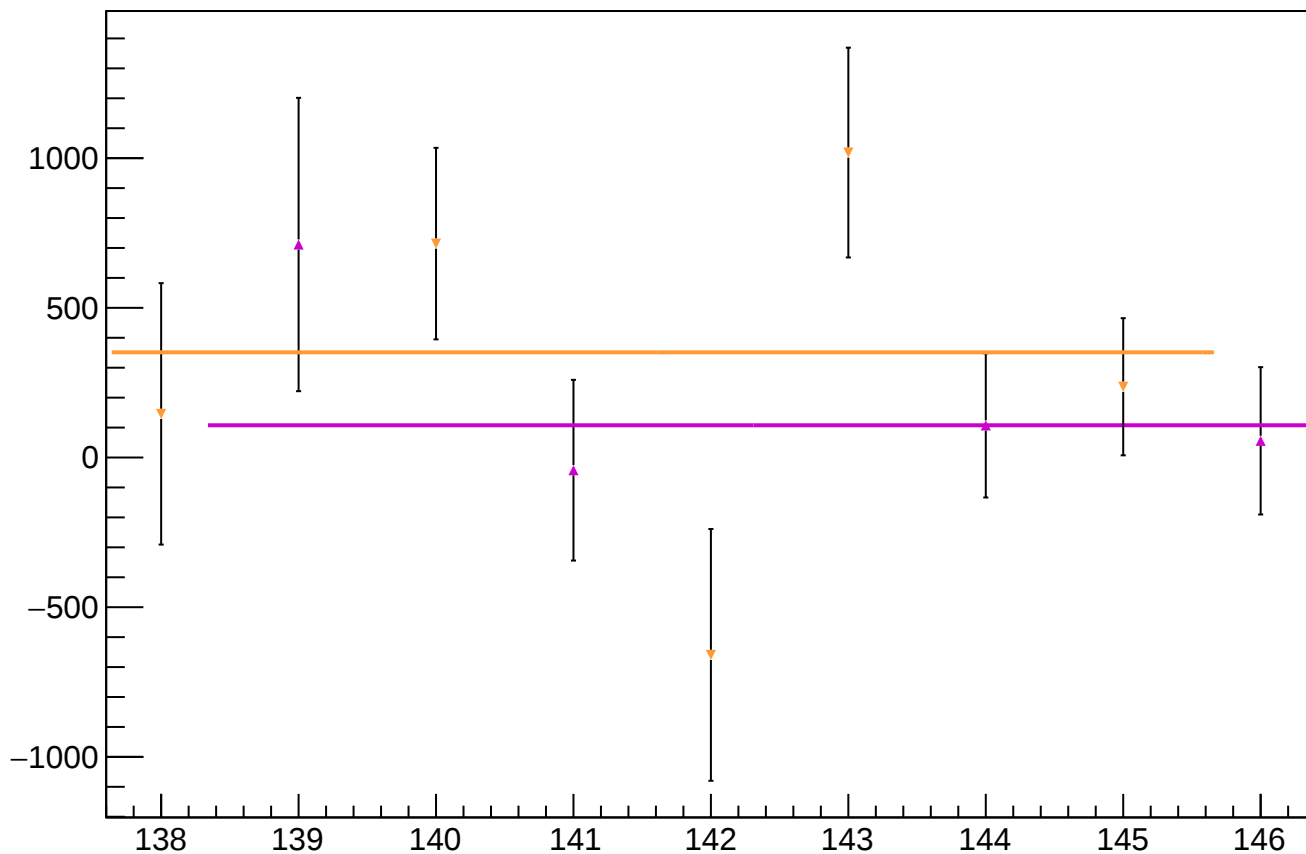
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 242.170+/-0.099 χ^2/NDF : 326075.0/3

251.798+/-0.100 χ^2/NDF : 300681.9/4

242.170+/-0.099 χ^2/NDF : 326075.0/3

asym_sam_1526_avg_mean vs Slug



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

Left Out: 351.383+/-144.533 χ^2/NDF : 11.2/4

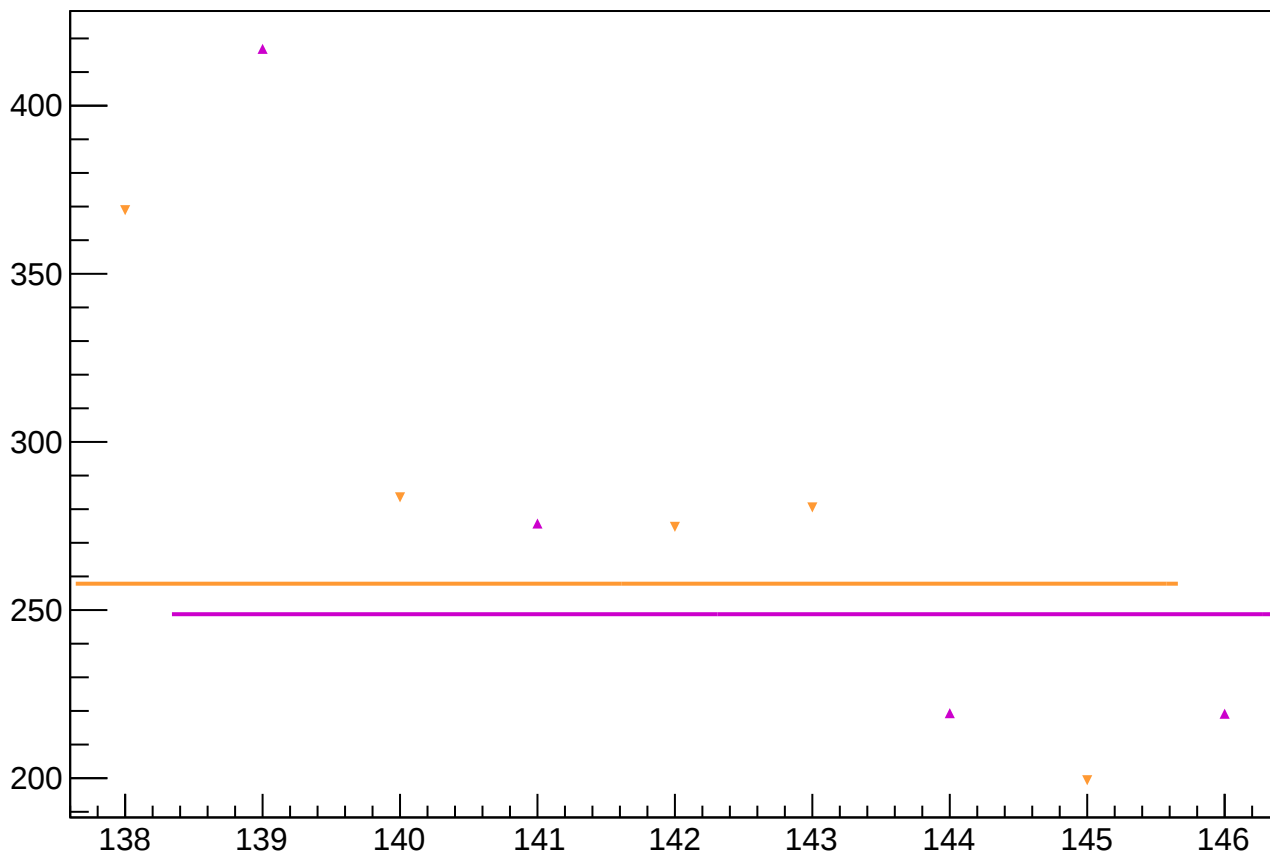
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 107.745+/-142.980 χ^2/NDF : 1.8/3

351.383+/-144.533 χ^2/NDF : 11.2/4

107.745+/-142.980 χ^2/NDF : 1.8/3

asym_sam_1526_avg_rms vs Slug



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

Left Out: 257.840+/-0.102 χ^2/NDF : 284140.6/4

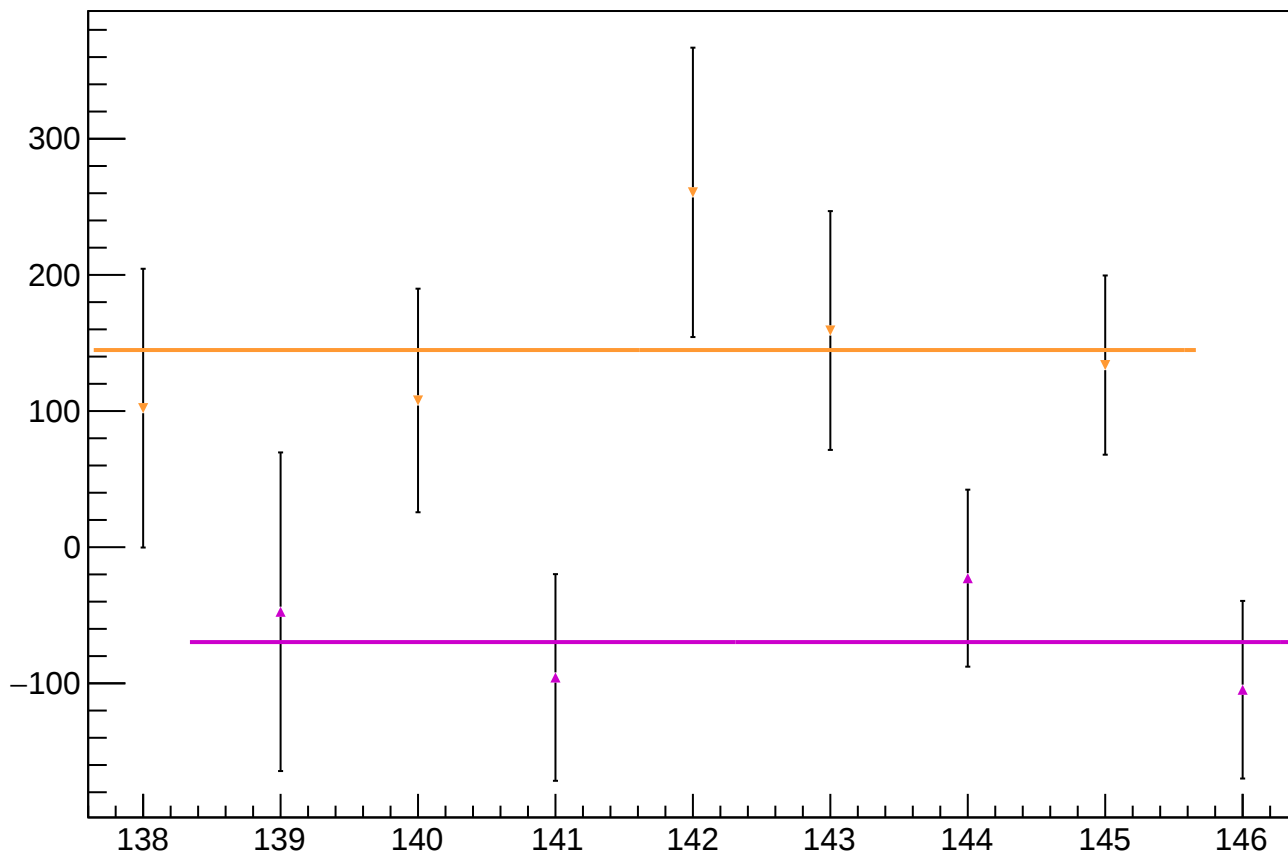
257.840+/-0.102 χ^2/NDF : 284140.6/4

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

248.765+/-0.101 χ^2/NDF : 310356.6/3

Left In: 248.765+/-0.101 χ^2/NDF : 310356.6/3

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 144.815+/-37.986 χ^2/NDF : 1.6/4

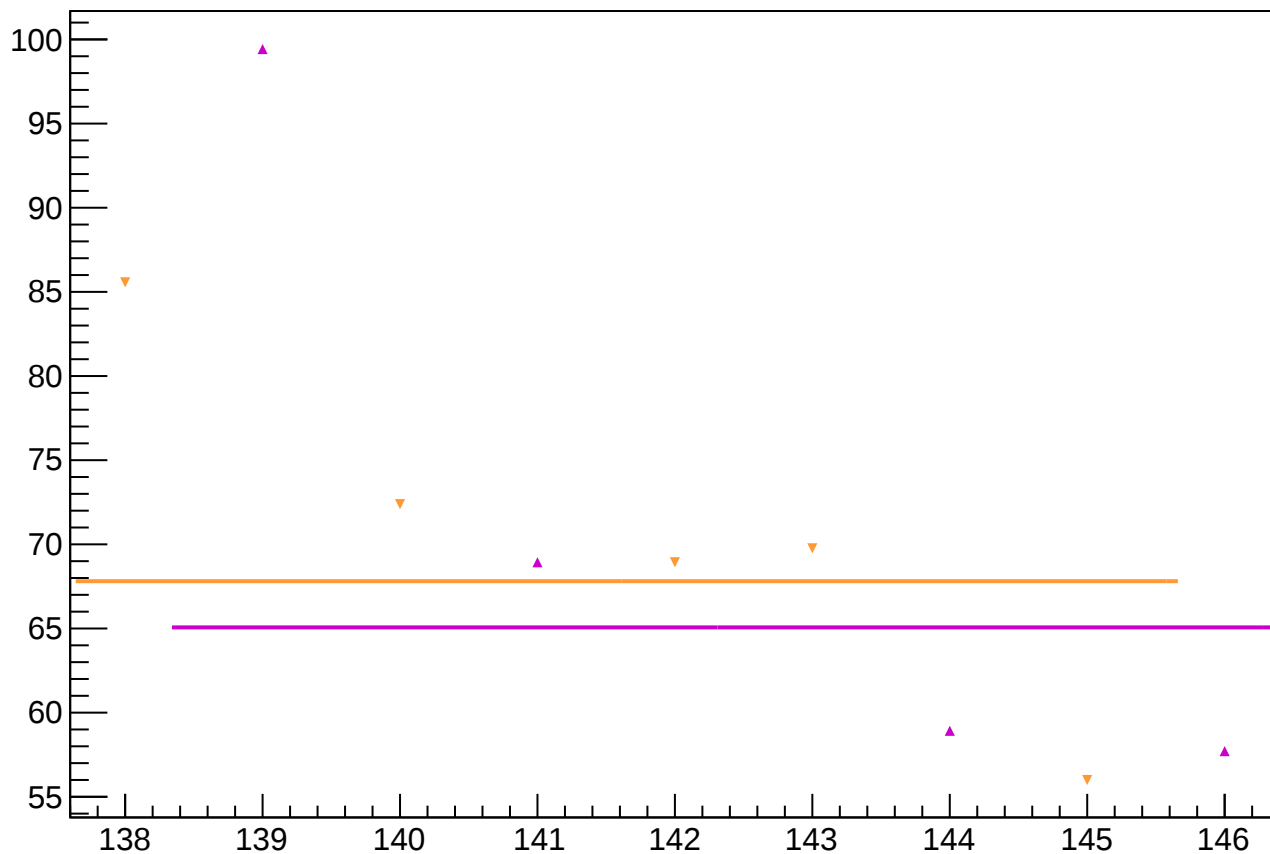
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -69.702+/-37.314 χ^2/NDF : 1.0/3

144.815+/-37.986 χ^2/NDF : 1.6/4

-69.702+/-37.314 χ^2/NDF : 1.0/3

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 67.810+/-0.027 χ^2/NDF :132008.4/4

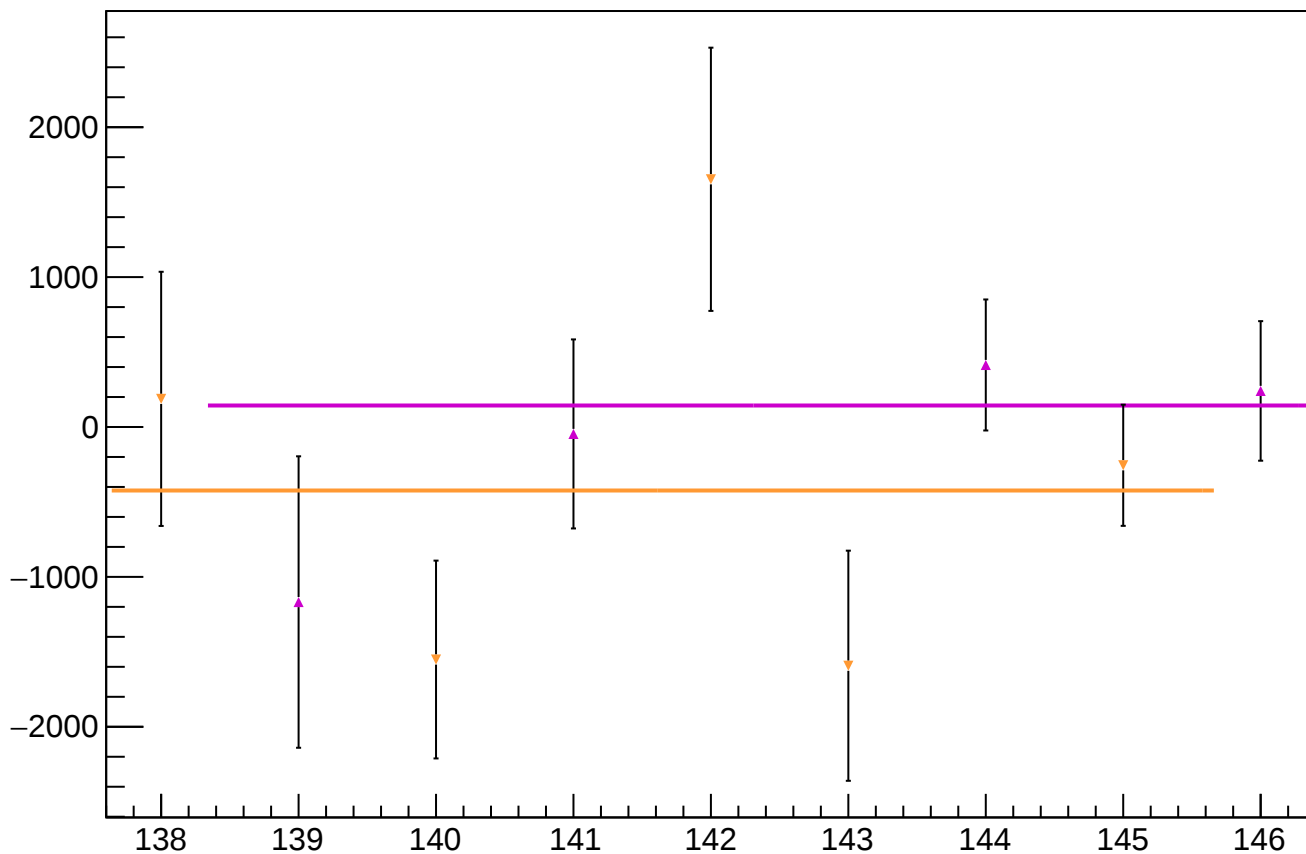
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 65.065+/-0.026 χ^2/NDF :220915.5/3

67.810+/-0.027 χ^2/NDF : 132008.4/4

65.065+/-0.026 χ^2/NDF : 220915.5/3

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -423.660+/-279.478 χ^2/NDF : 11.5/4

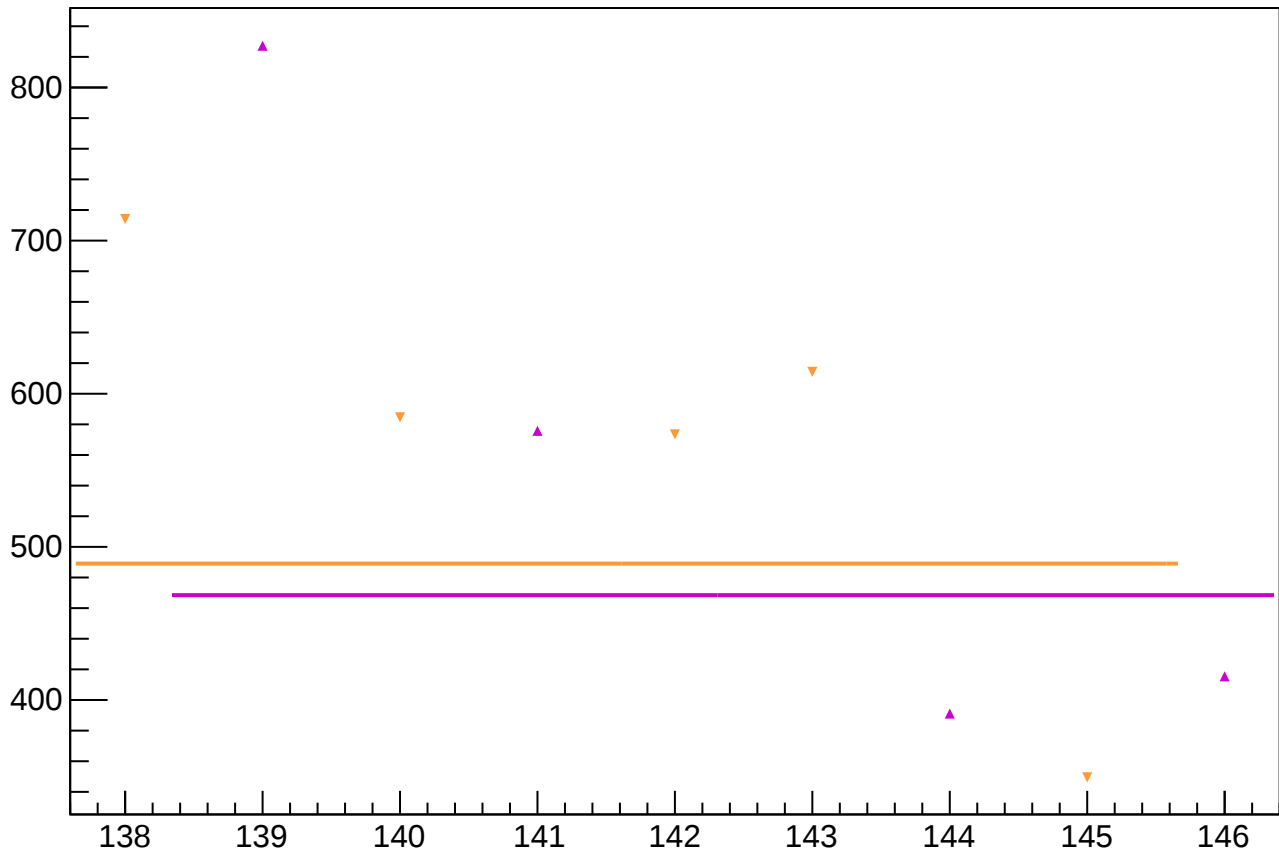
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 143.404+/-272.943 χ^2/NDF : 2.3/3

-423.660+/-279.478 χ^2/NDF : 11.5/4

143.404+/-272.943 χ^2/NDF : 2.3/3

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 489.063+/-0.198 χ^2/NDF : 493089.4/4

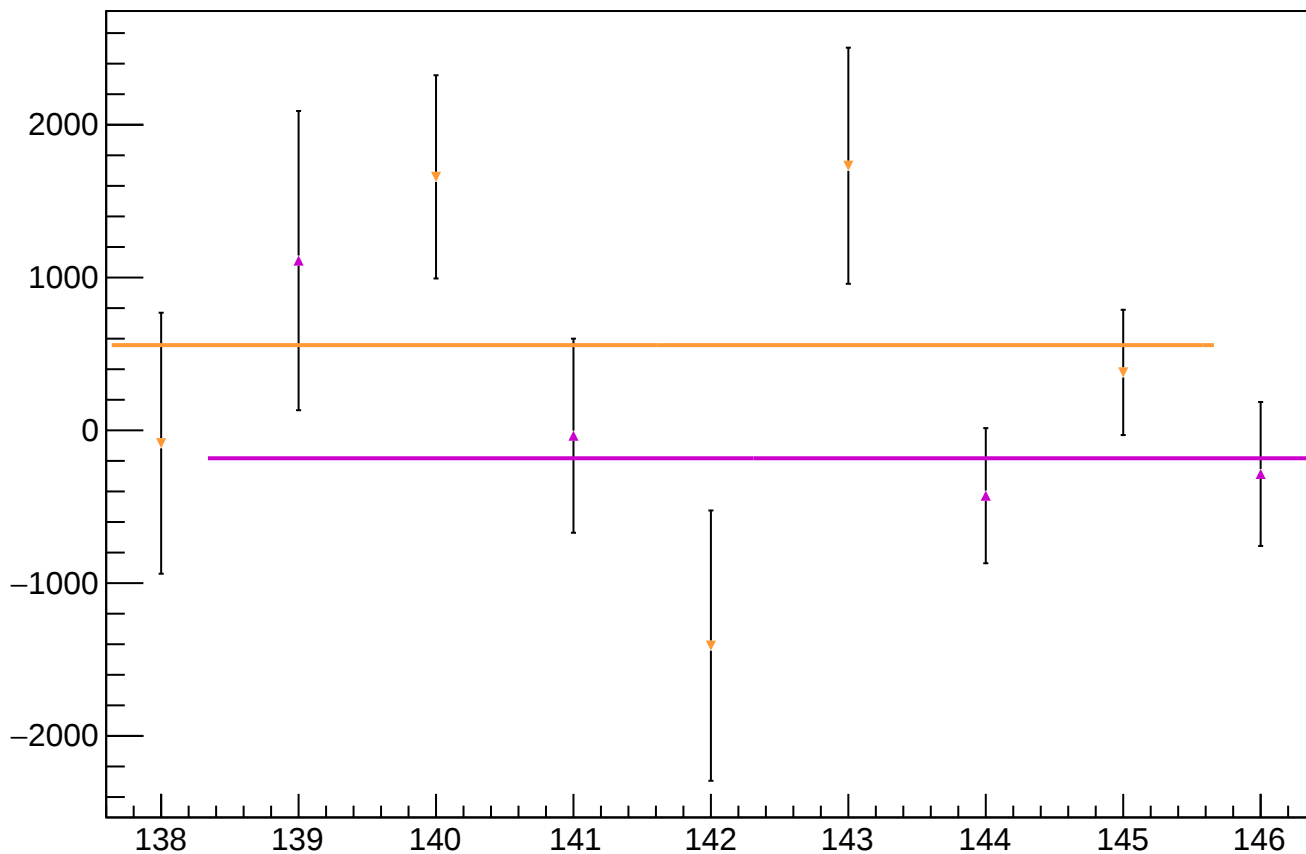
489.063+/-0.198 χ^2/NDF : 493089.4/4

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

468.468+/-0.193 χ^2/NDF : 418899.8/3

Left In: 468.468+/-0.193 χ^2/NDF : 418899.8/3

asym_sam_3726_avg_mean vs Slug



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

Left Out: 557.728+/-282.477 χ^2/NDF : 10.7/4

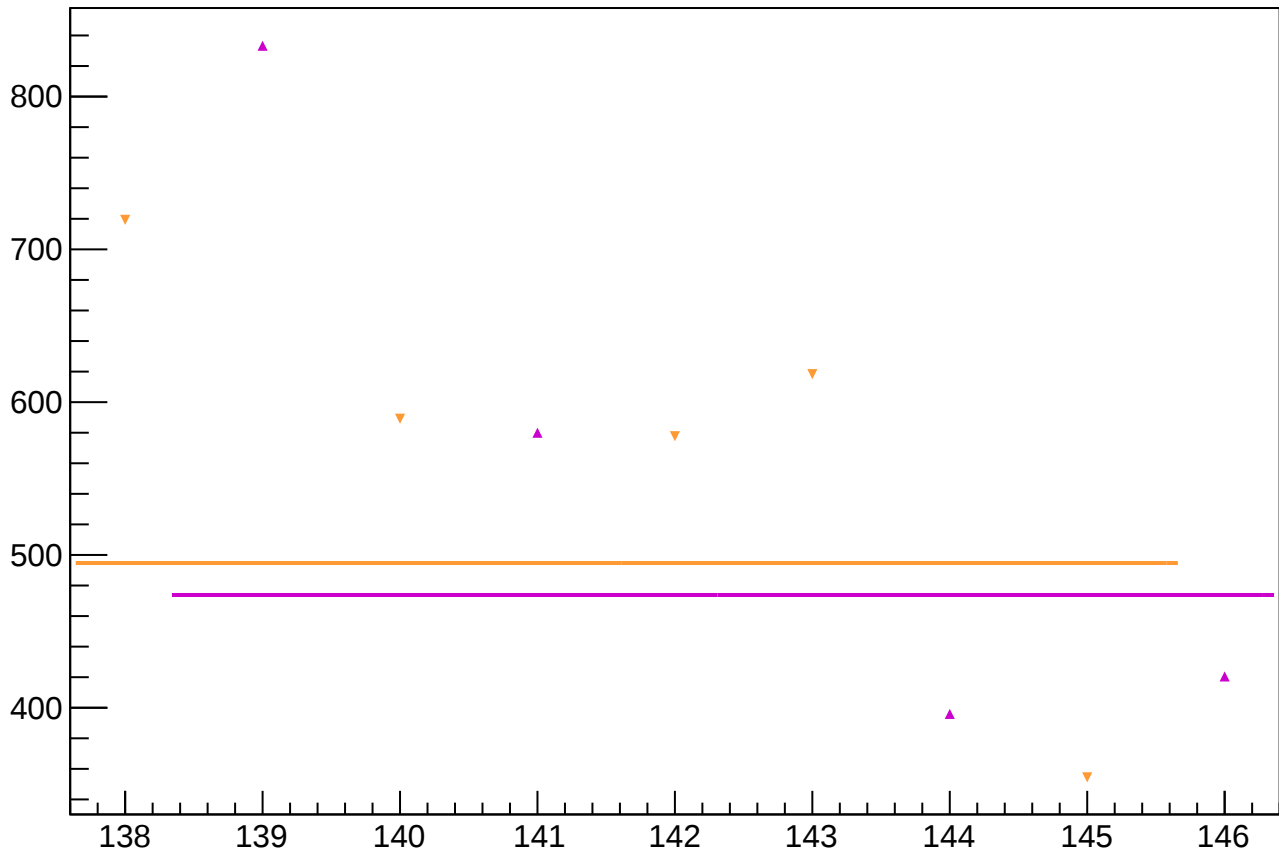
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -182.769+/-275.882 χ^2/NDF : 2.2/3

557.728+/-282.477 χ^2/NDF : 10.7/4

-182.769+/-275.882 χ^2/NDF : 2.2/3

asym_sam_3726_avg_rms vs Slug



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

Left Out: 494.726+/-0.200 χ^2/NDF : 481498.2/4

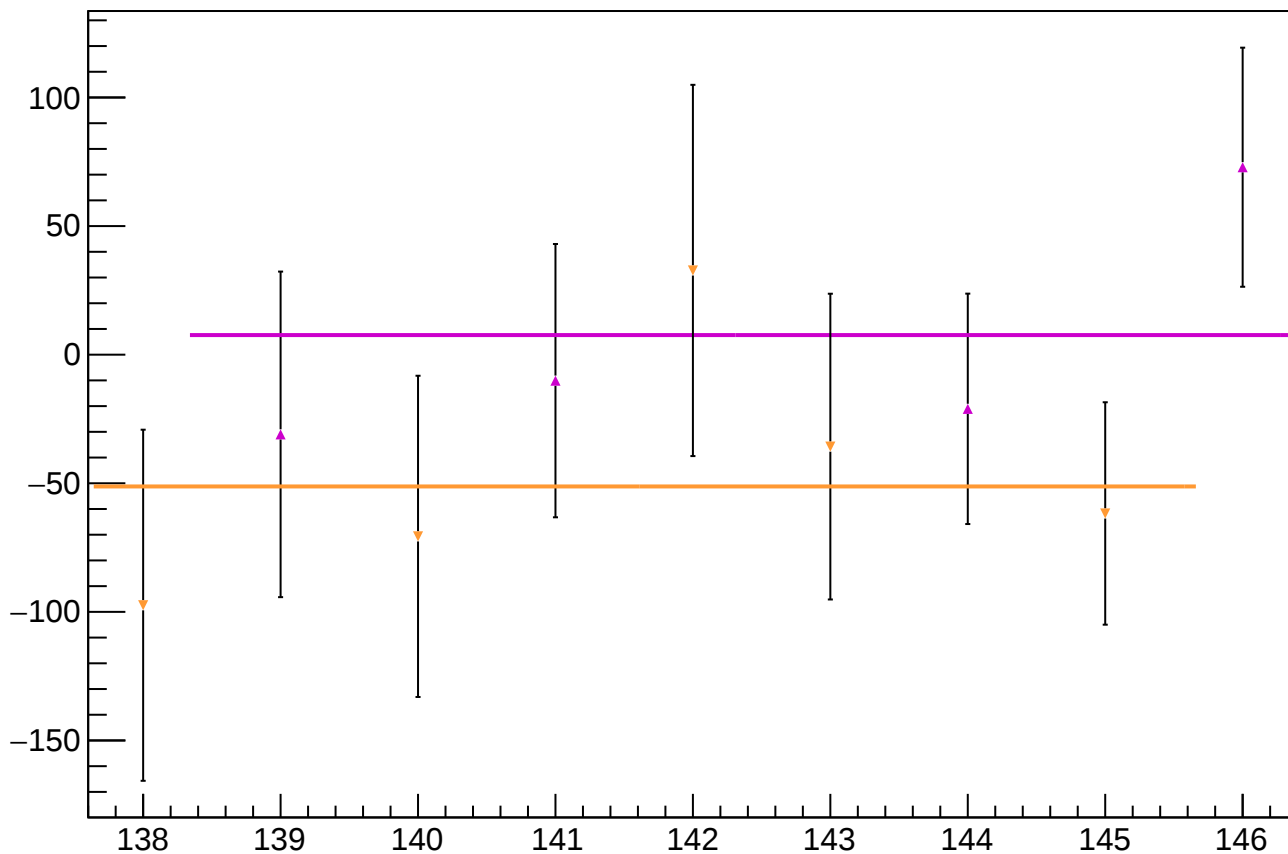
494.726+/-0.200 χ^2/NDF : 481498.2/4

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

473.802+/-0.195 χ^2/NDF : 412933.2/3

Left In: 473.802+/-0.195 χ^2/NDF : 412933.2/3

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -51.236+/-25.986 χ^2/NDF : 2.0/4

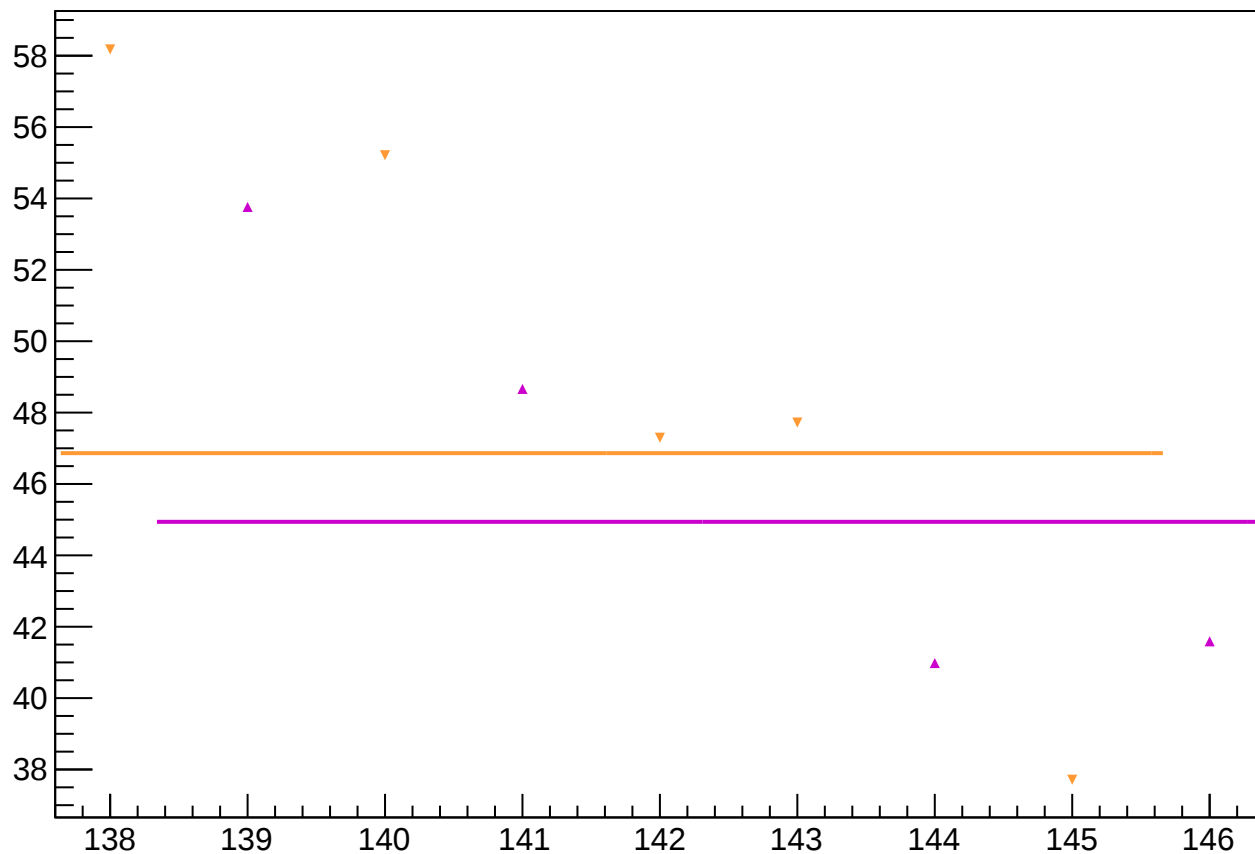
-51.236+/-25.986 χ^2/NDF : 2.0/4

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

Left In: 7.621+/-25.277 χ^2/NDF : 2.9/3

7.621+/-25.277 χ^2/NDF : 2.9/3

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 46.864+/-0.018 χ^2/NDF : 180717.1/4

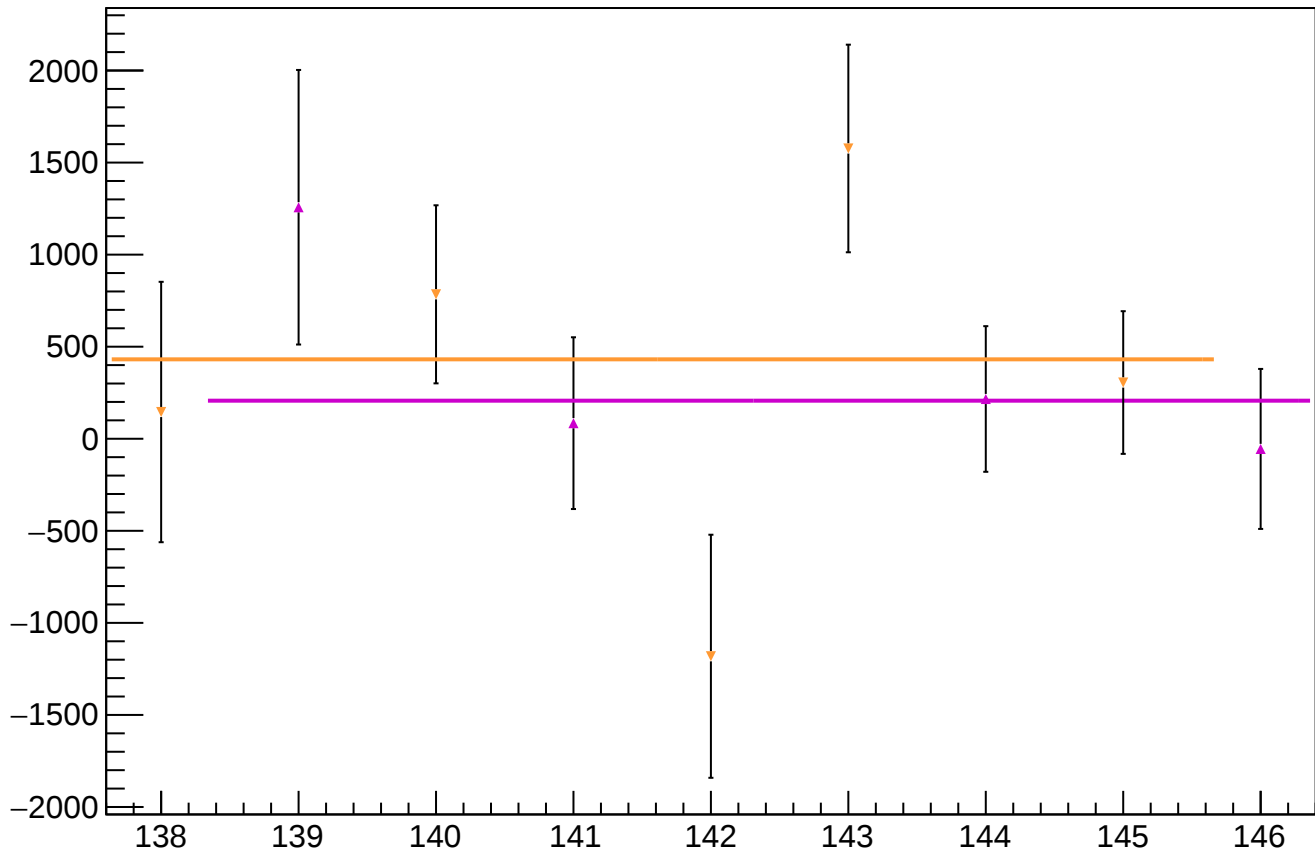
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 44.939+/-0.018 χ^2/NDF : 74679.0/3

46.864+/-0.018 χ^2/NDF : 180717.1/4

44.939+/-0.018 χ^2/NDF : 74679.0/3

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 431.357+/-233.263 χ^2/NDF :10.9/4

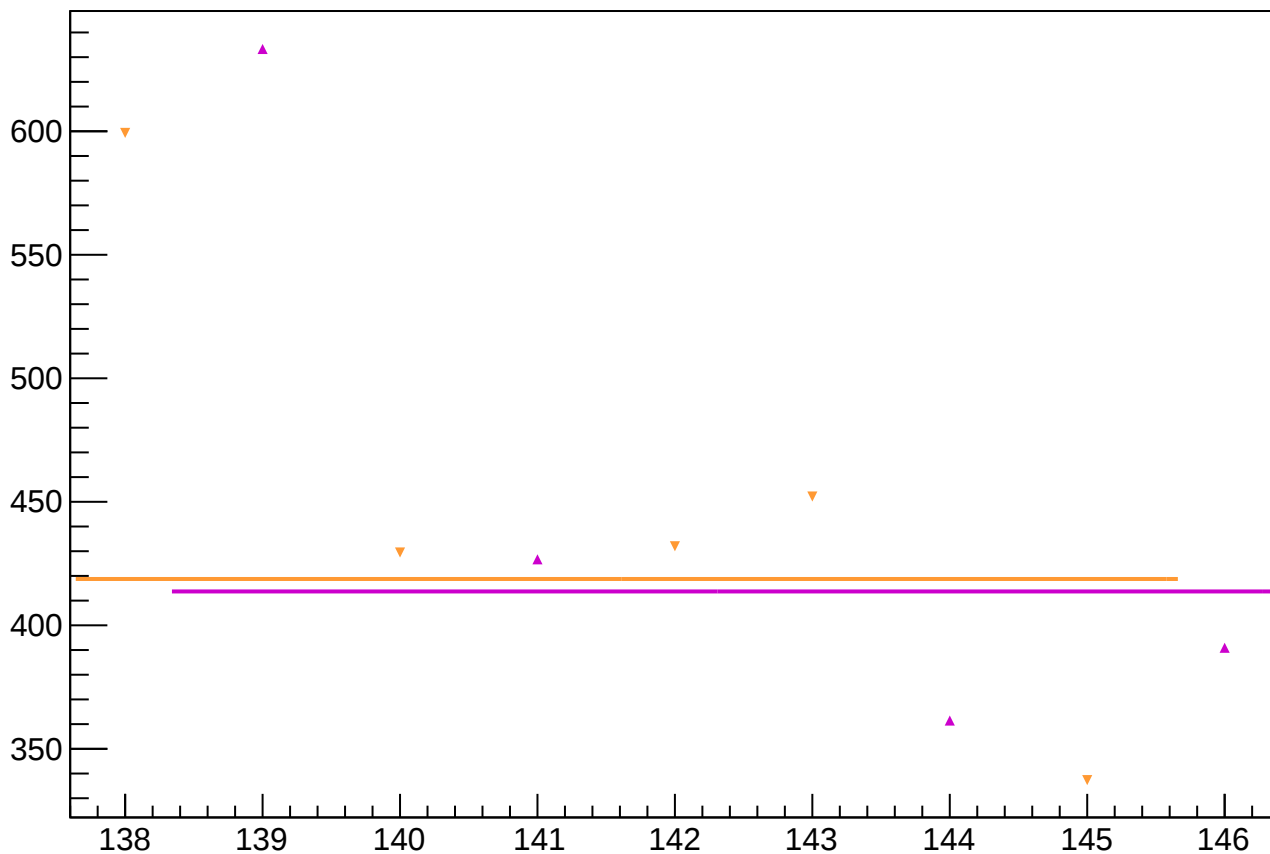
431.357+/-233.263 χ^2/NDF : 10.9/4

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

206.779+/-235.144 χ^2/NDF : 2.4/3

Left In: 206.779+/-235.144 χ^2/NDF :2.4/3

asym_sam_15_48_dd_correction_rms vs Slug



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

Left Out: 418.760+/-0.165 χ^2/NDF : 227556.6/4

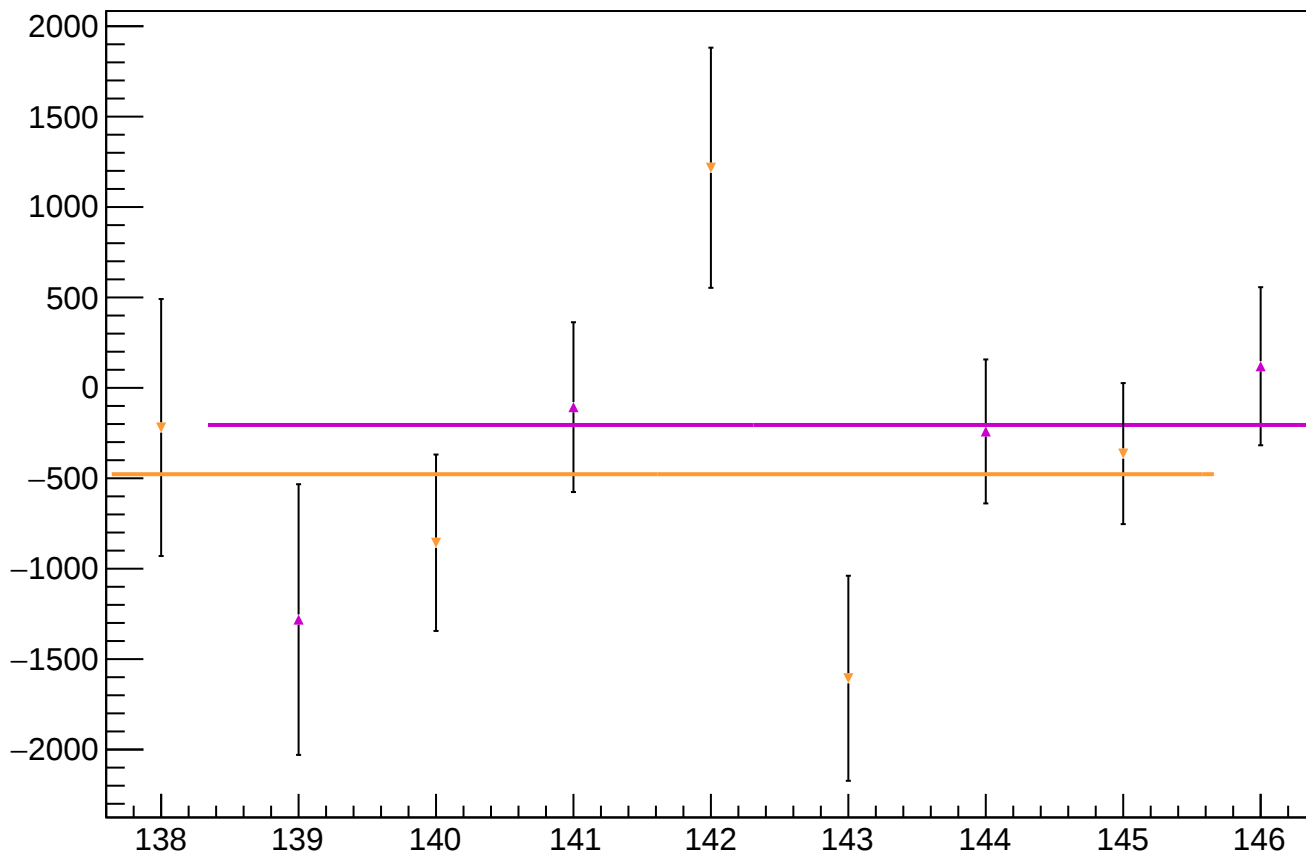
418.760+/-0.165 χ^2/NDF : 227556.6/4

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

413.711+/-0.166 χ^2/NDF : 215464.0/3

Left In: 413.711+/-0.166 χ^2/NDF : 215464.0/3

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -477.423+/-234.795 χ^2/NDF : 11.3/4

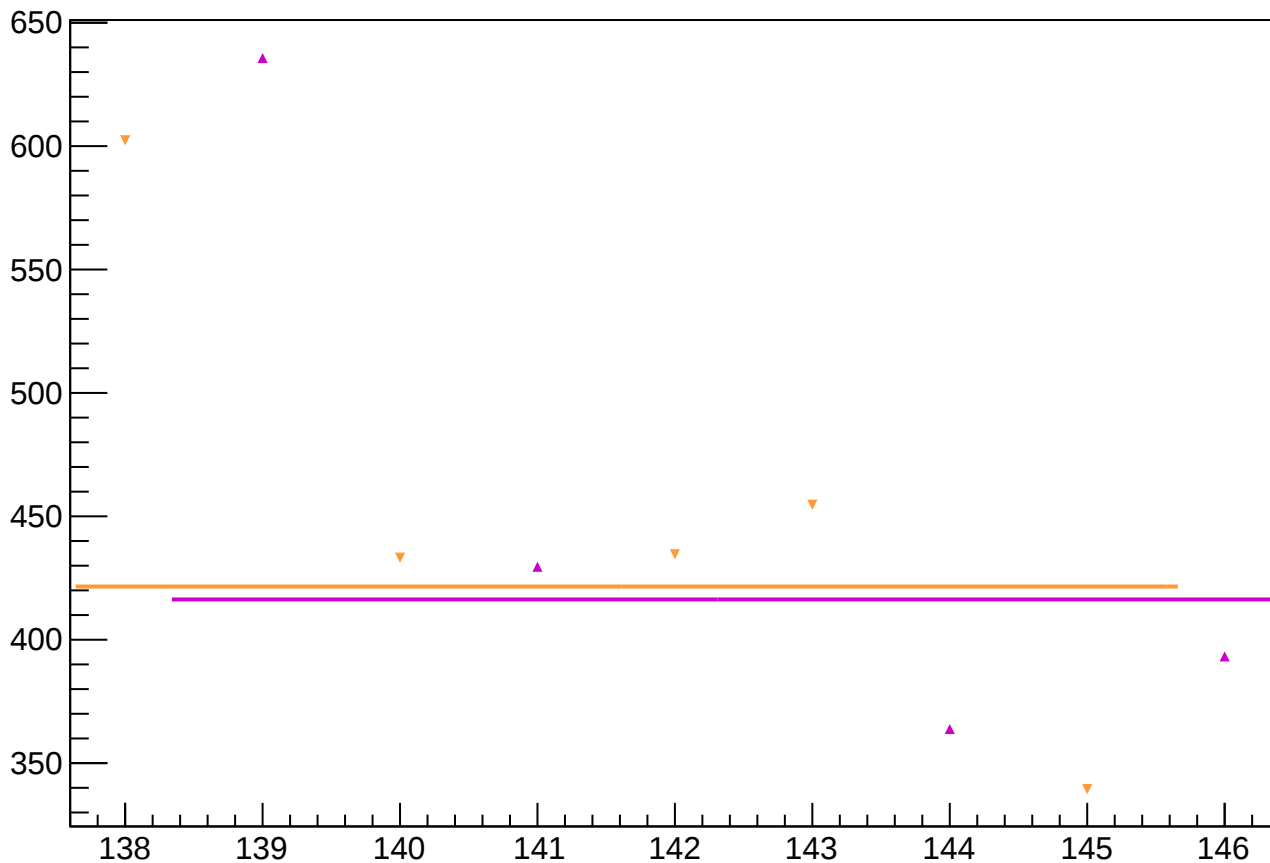
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -205.174+/-236.585 χ^2/NDF : 2.7/3

-477.423+/-234.795 χ^2/NDF : 11.3/4

-205.174+/-236.585 χ^2/NDF : 2.7/3

asym_sam_15_48_dd_rms vs Slug



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

Left Out: 421.556+/-0.166 χ^2/NDF : 226859.4/4

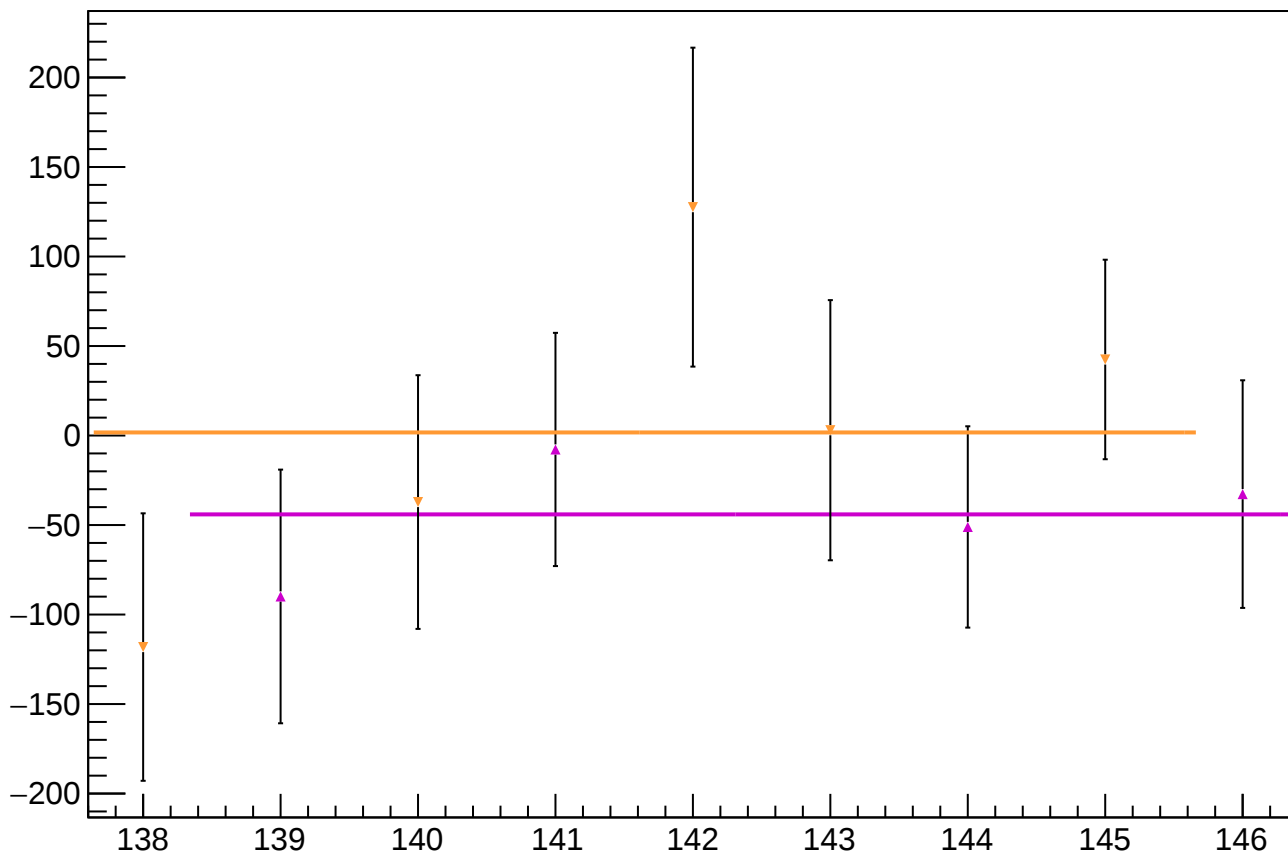
421.556+/-0.166 χ^2/NDF : 226859.4/4

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

416.315+/-0.167 χ^2/NDF : 213798.3/3

Left In: 416.315+/-0.167 χ^2/NDF : 213798.3/3

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: 1.722+/-31.377 χ^2/NDF : 5.4/4

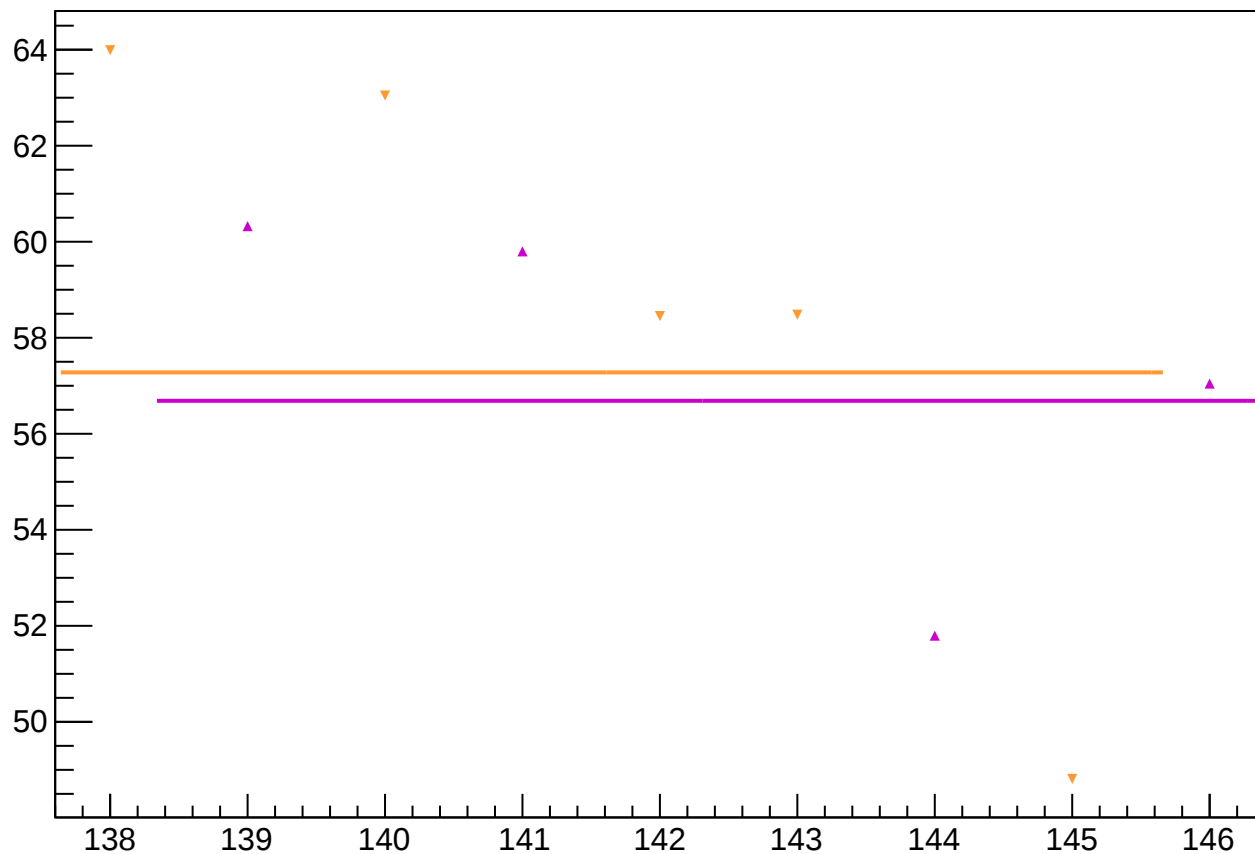
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -44.052+/-31.647 χ^2/NDF : 0.8/3

1.722+/-31.377 χ^2/NDF : 5.4/4

-44.052+/-31.647 χ^2/NDF : 0.8/3

reg_asym_sam_37_48_dd_rms vs Slug



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

Left Out: 57.278+/-0.022 χ^2/NDF : 76450.4/4

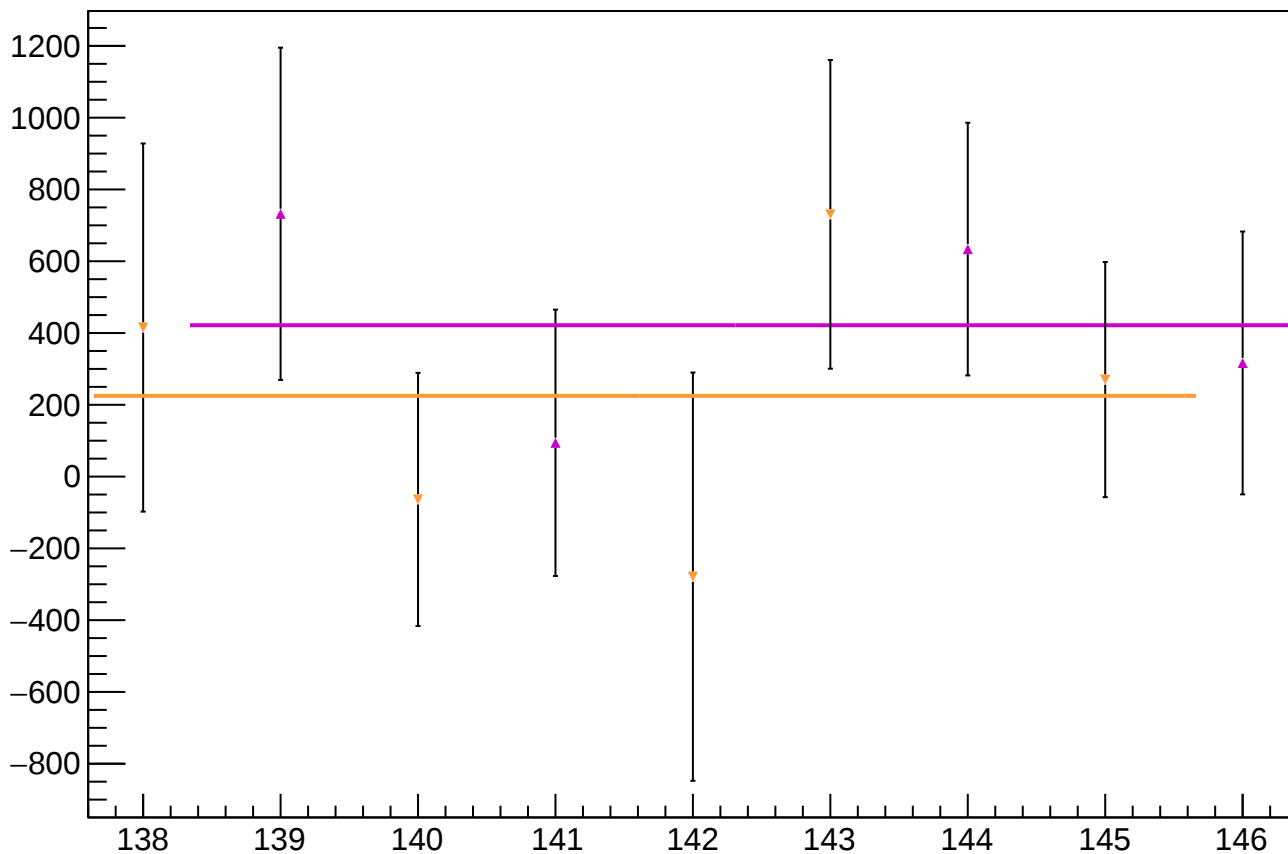
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 56.687+/-0.022 χ^2/NDF : 25038.2/3

57.278+/-0.022 χ^2/NDF : 76450.4/4

56.687+/-0.022 χ^2/NDF : 25038.2/3

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 225.073+/-183.624 χ^2/NDF : 3.0/4

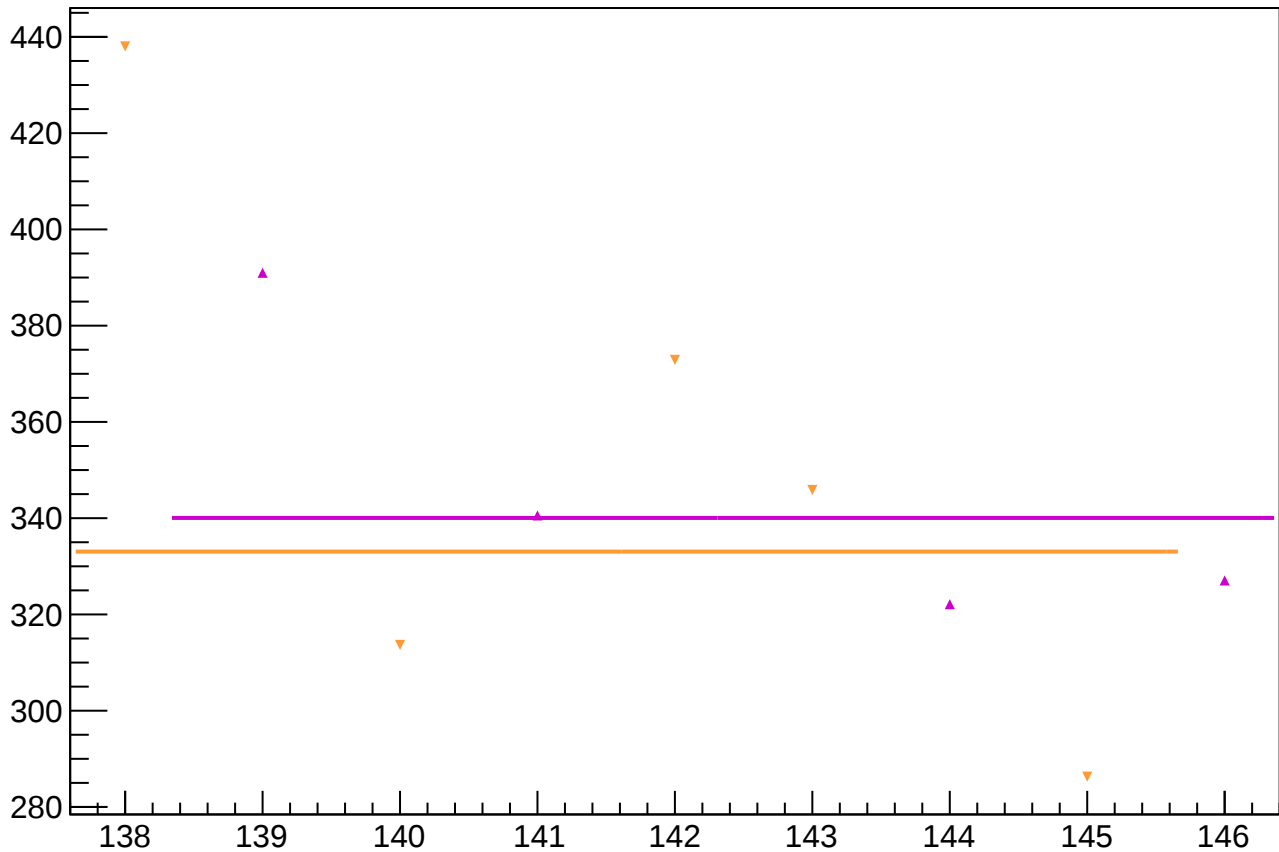
225.073+/-183.624 χ^2/NDF : 3.0/4

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

421.641+/-190.828 χ^2/NDF : 1.7/3

Left In: 421.641+/-190.828 χ^2/NDF : 1.7/3

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 333.054+/-0.130 χ^2/NDF :142163.7/4

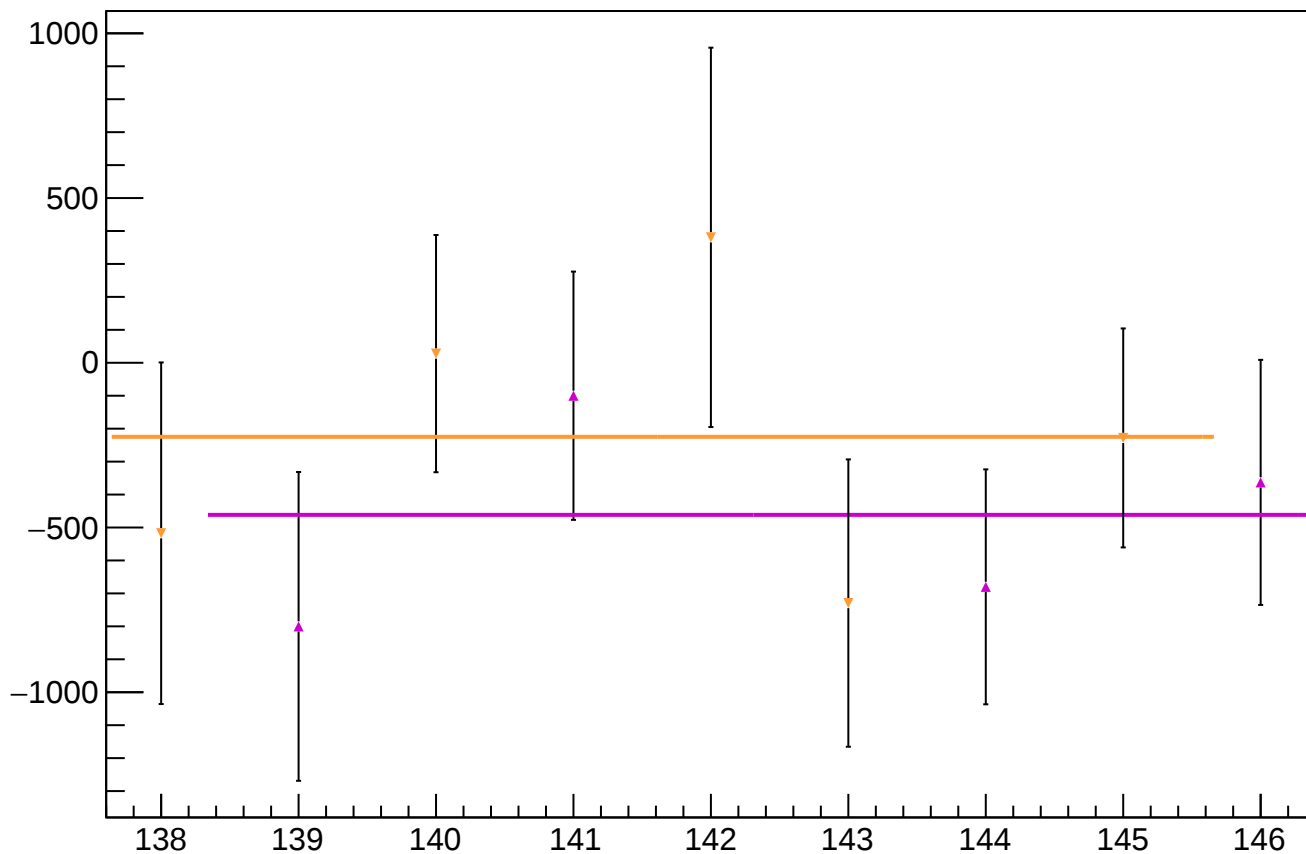
333.054+/-0.130 χ^2/NDF : 142163.7/4

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

340.052+/-0.135 χ^2/NDF : 31924.5/3

Left In: 340.052+/-0.135 χ^2/NDF :31924.5/3

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -224.670+/-186.455 χ^2/NDF : 3.3/4

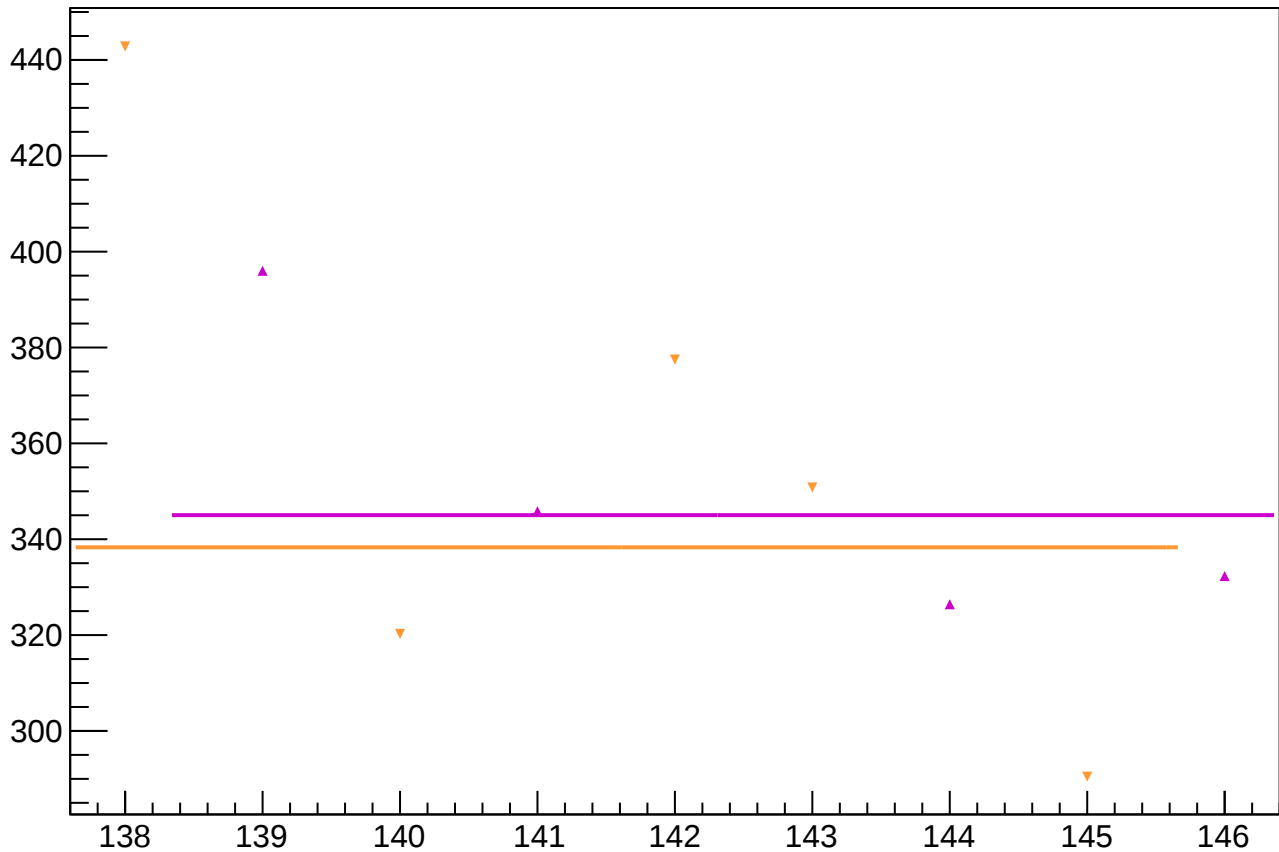
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -461.606+/-193.564 χ^2/NDF : 1.9/3

-224.670+/-186.455 χ^2/NDF : 3.3/4

-461.606+/-193.564 χ^2/NDF : 1.9/3

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 338.314+/-0.132 χ^2/NDF : 138688.6/4

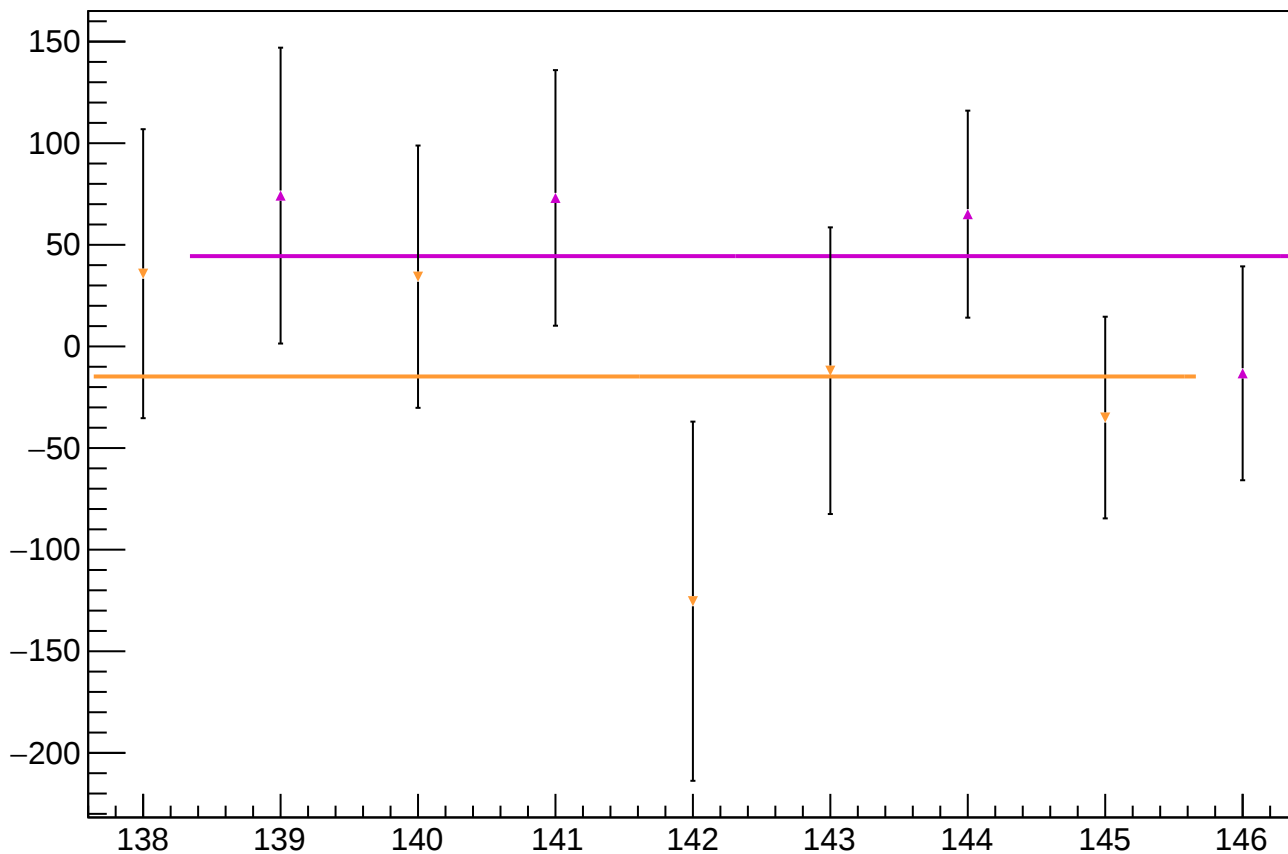
338.314+/-0.132 χ^2/NDF : 138688.6/4

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

345.022+/-0.137 χ^2/NDF : 31454.0/3

Left In: 345.022+/-0.137 χ^2/NDF : 31454.0/3

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: -14.784+/-29.196 χ^2/NDF : 2.8/4

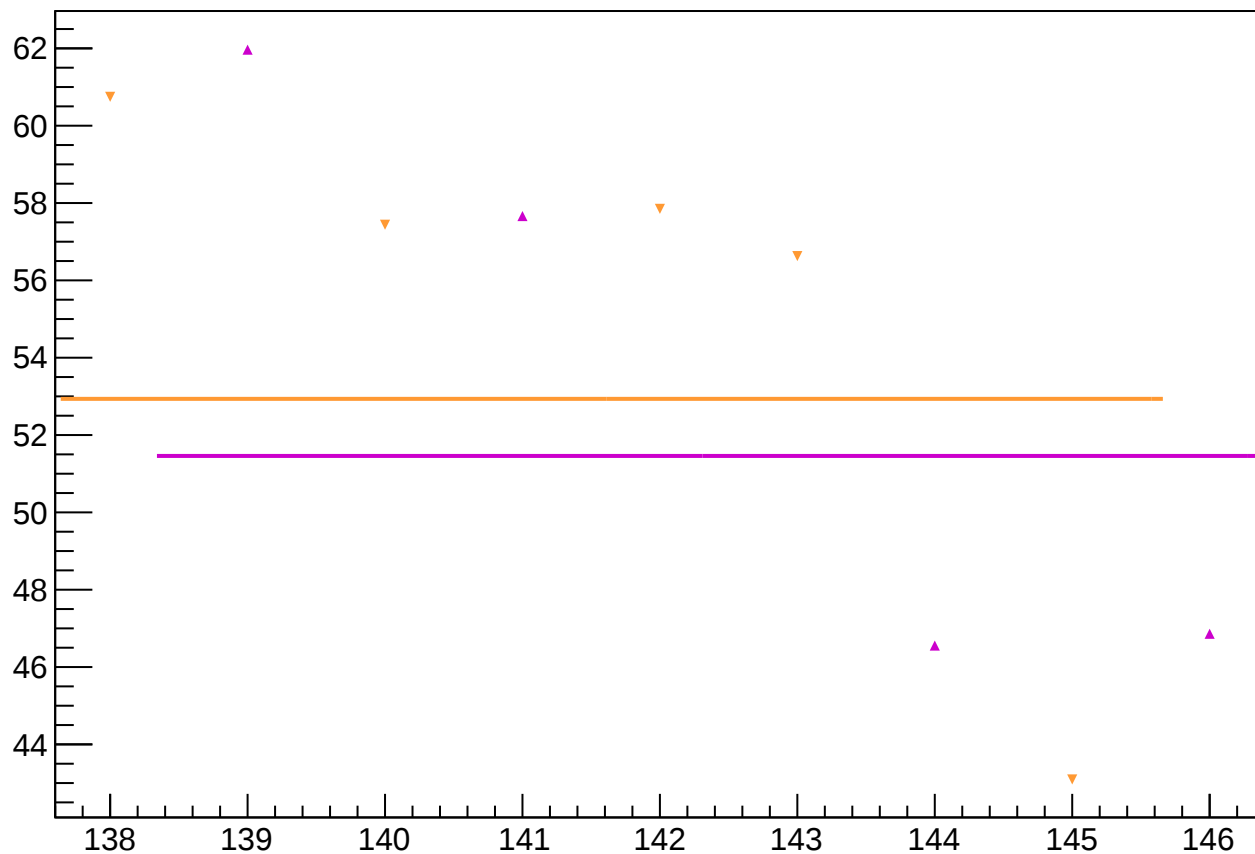
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 44.440+/-29.010 χ^2/NDF : 1.7/3

-14.784+/-29.196 χ^2/NDF : 2.8/4

44.440+/-29.010 χ^2/NDF : 1.7/3

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 52.936+/-0.021 χ^2/NDF :124240.4/4

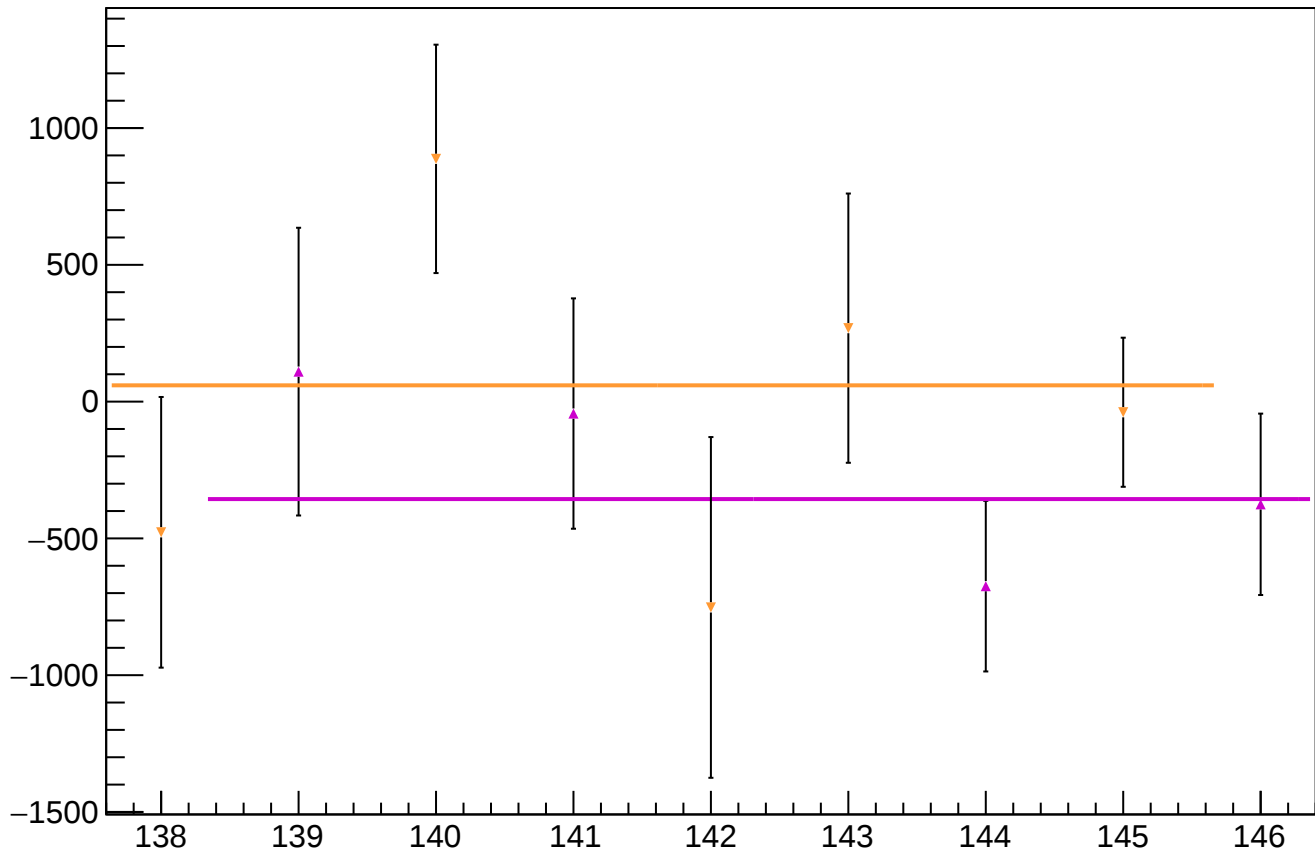
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 51.460+/-0.021 χ^2/NDF :94950.8/3

52.936+/-0.021 χ^2/NDF : 124240.4/4

51.460+/-0.021 χ^2/NDF : 94950.8/3

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 59.542+/-182.584 χ^2/NDF : 7.1/4

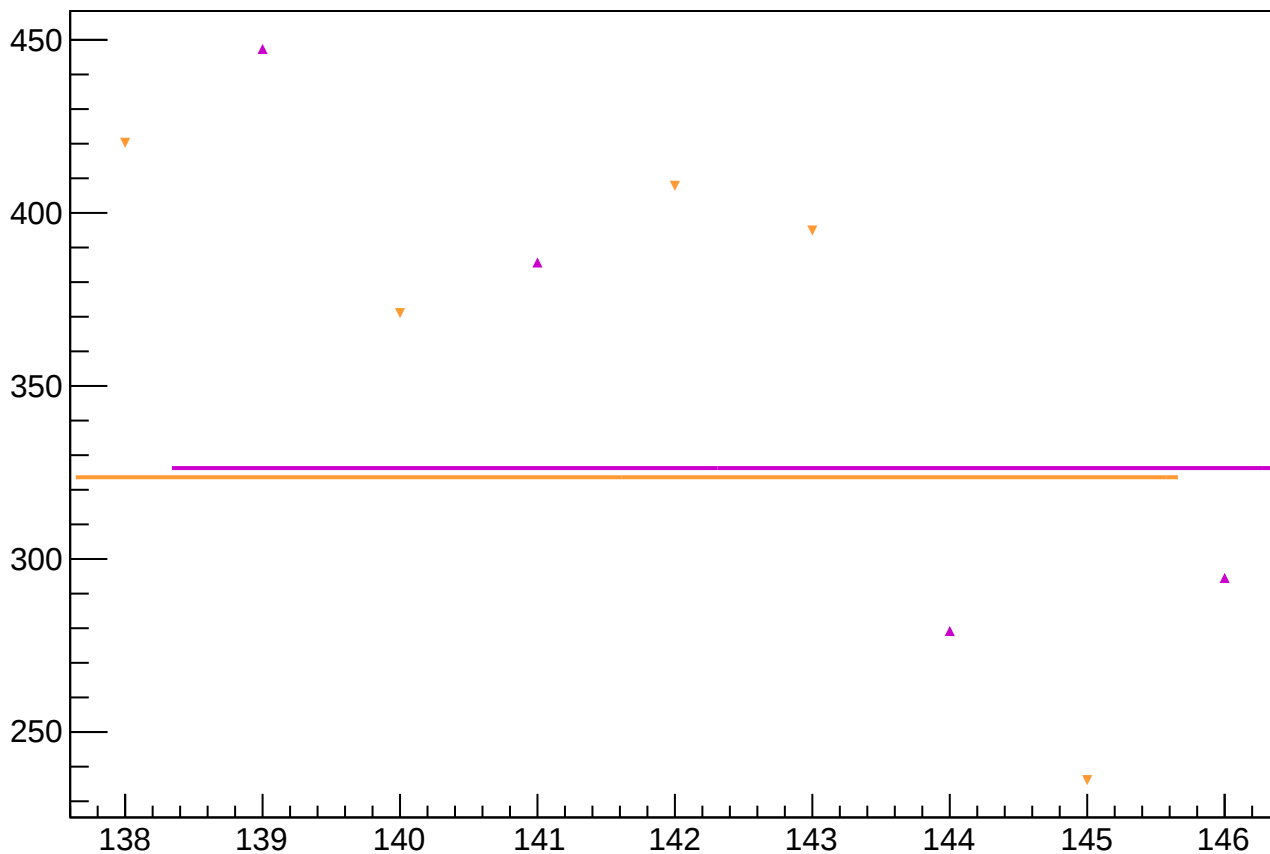
59.542+/-182.584 χ^2/NDF : 7.1/4

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

-356.269+/-186.862 χ^2/NDF : 2.4/3

Left In: -356.269+/-186.862 χ^2/NDF : 2.4/3

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 323.621+/-0.129 χ^2/NDF : 386894.3/4

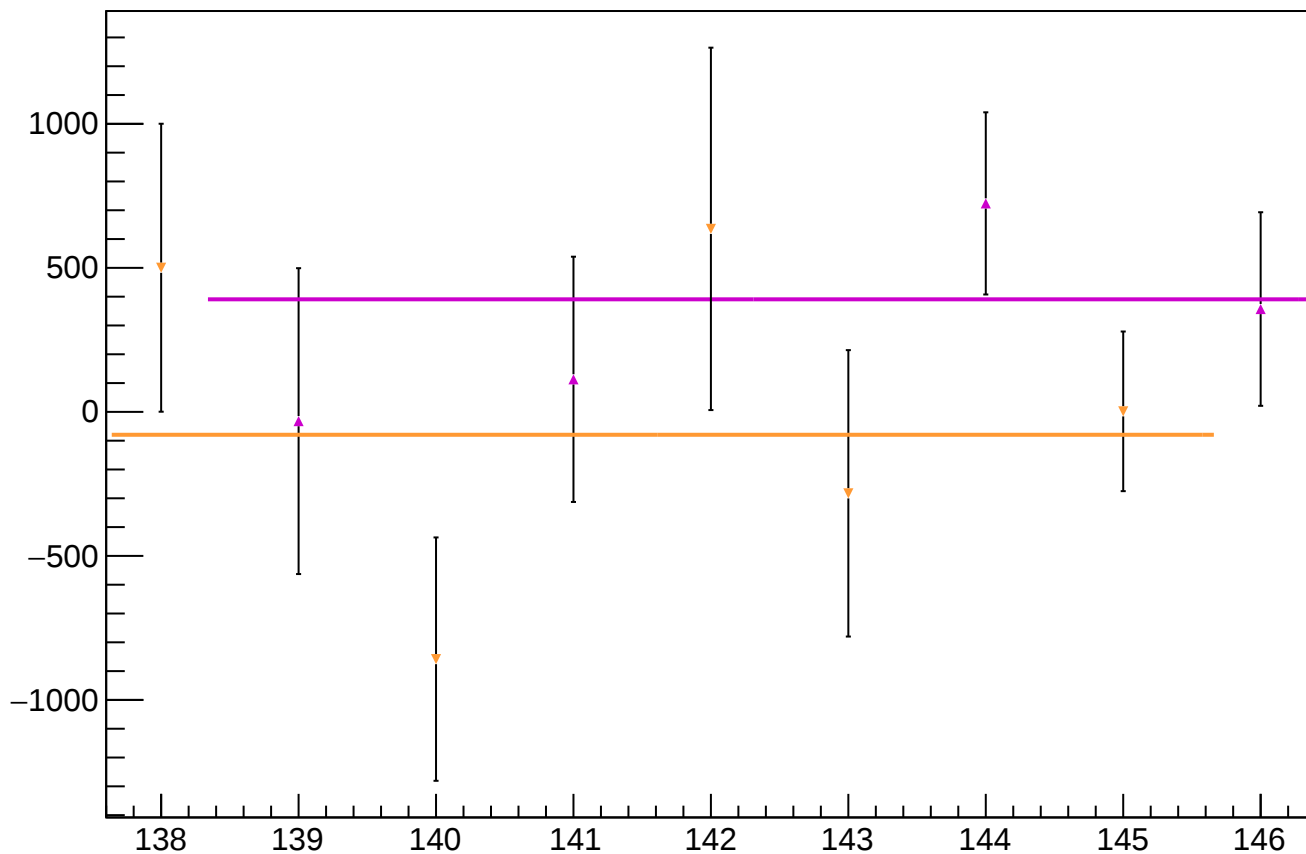
323.621+/-0.129 χ^2/NDF : 386894.3/4

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

326.274+/-0.132 χ^2/NDF : 209774.4/3

Left In: 326.274+/-0.132 χ^2/NDF : 209774.4/3

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -79.470 $\pm$ 185.061 χ^2 /NDF: 6.3/4

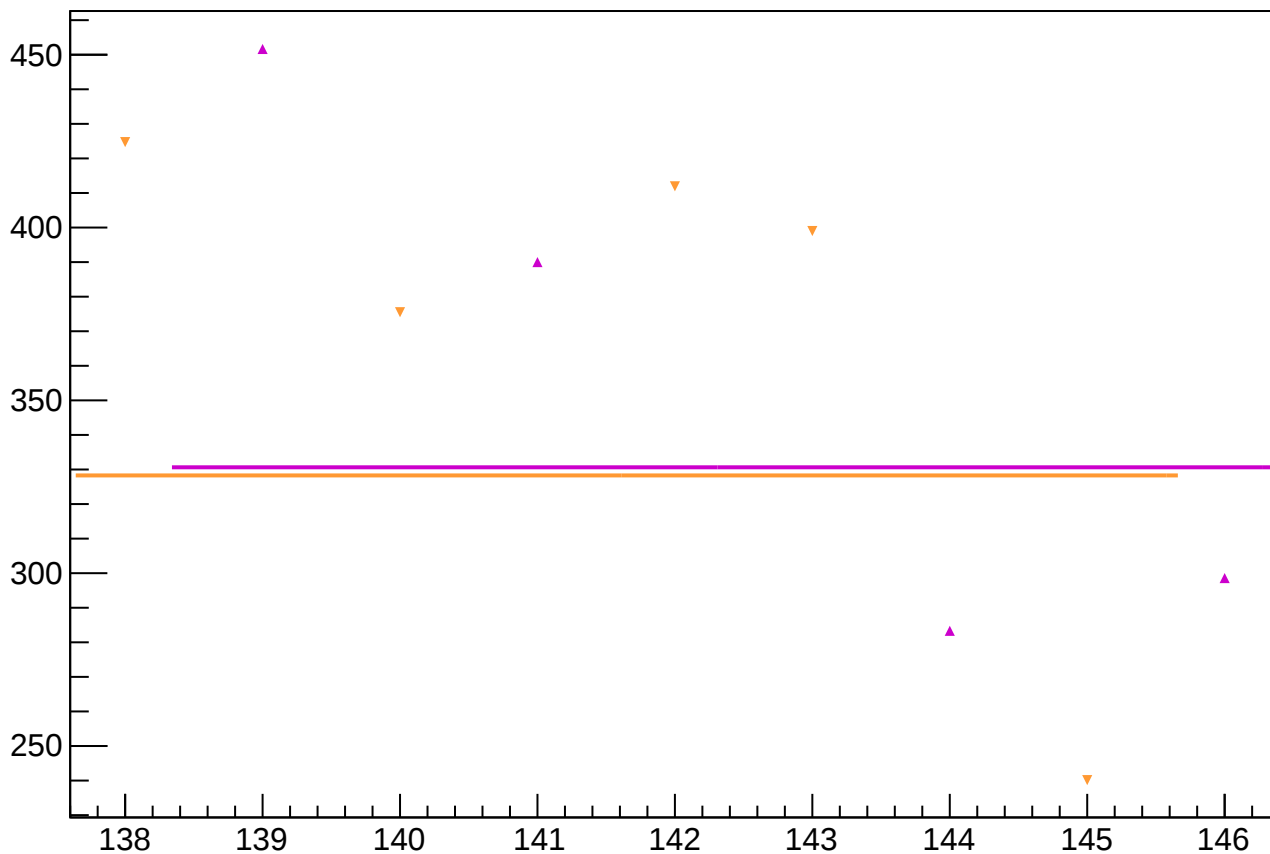
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 390.768 $\pm$ 189.251 χ^2 /NDF: 2.2/3

-79.470 $\pm$ 185.061 χ^2 /NDF: 6.3/4

390.768 $\pm$ 189.251 χ^2 /NDF: 2.2/3

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 328.284+/-0.131 χ^2/NDF : 377621.5/4

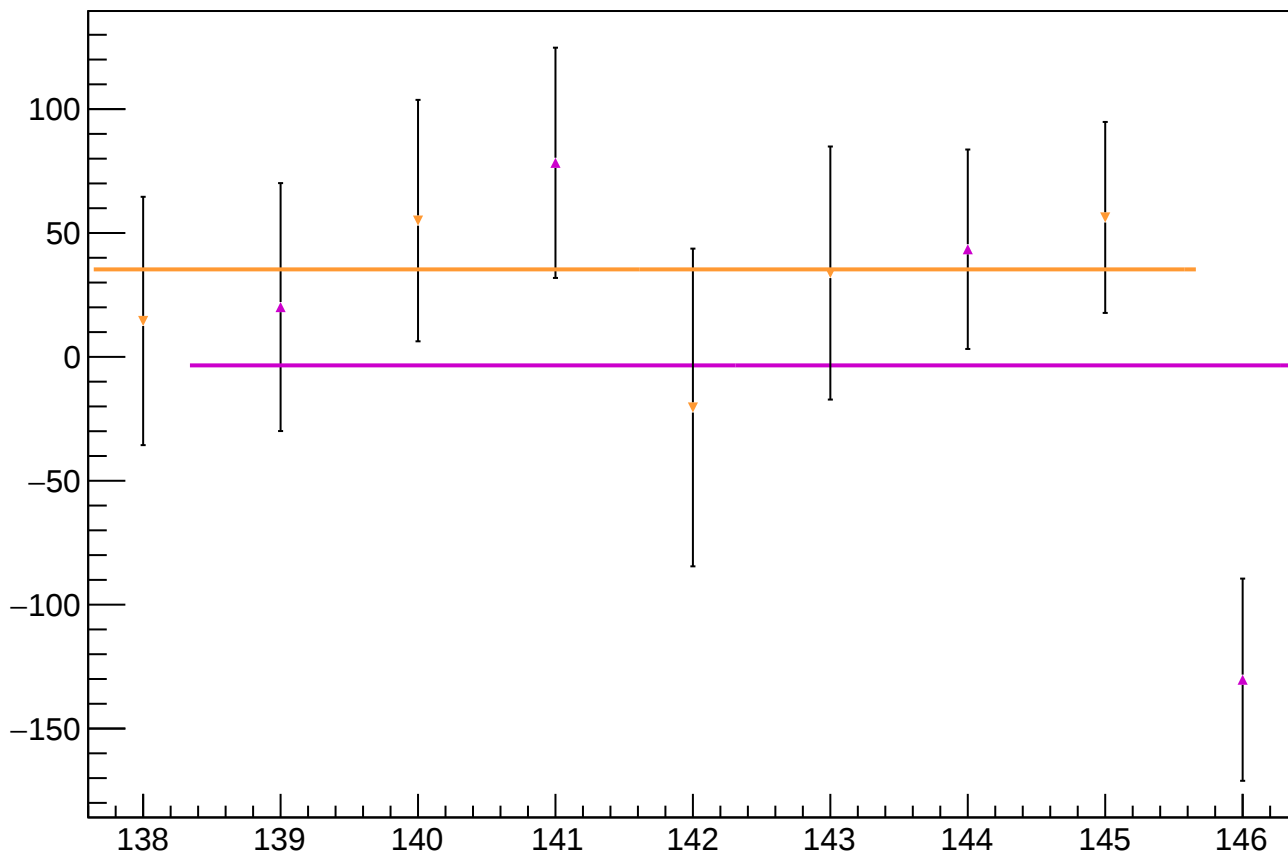
328.284+/-0.131 χ^2/NDF : 377621.5/4

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

330.634+/-0.134 χ^2/NDF : 205768.2/3

Left In: 330.634+/-0.134 χ^2/NDF : 205768.2/3

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 35.314+/-21.721 χ^2/NDF : 1.4/4

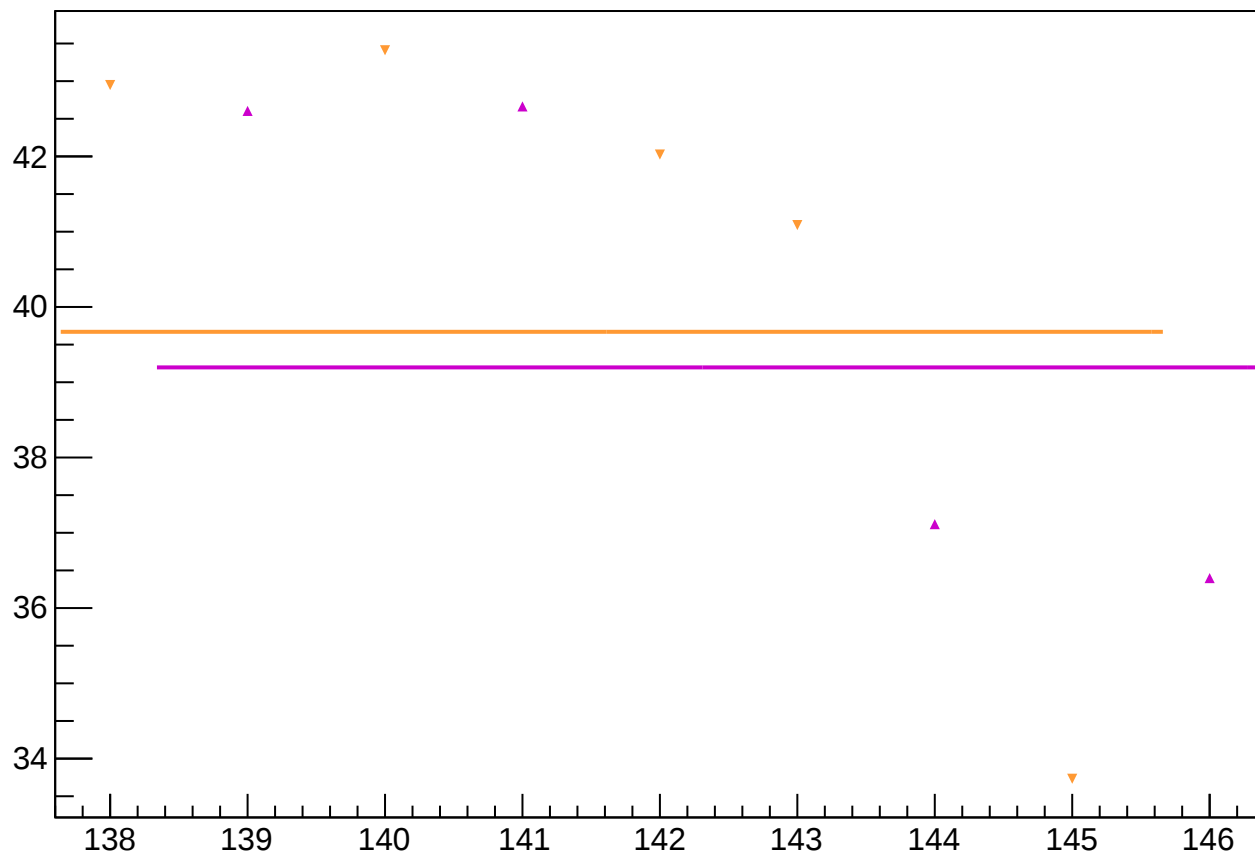
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -3.430+/-21.923 χ^2/NDF : 14.3/3

35.314+/-21.721 χ^2/NDF : 1.4/4

-3.430+/-21.923 χ^2/NDF : 14.3/3

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 39.670+/-0.015 χ^2/NDF : 72061.4/4

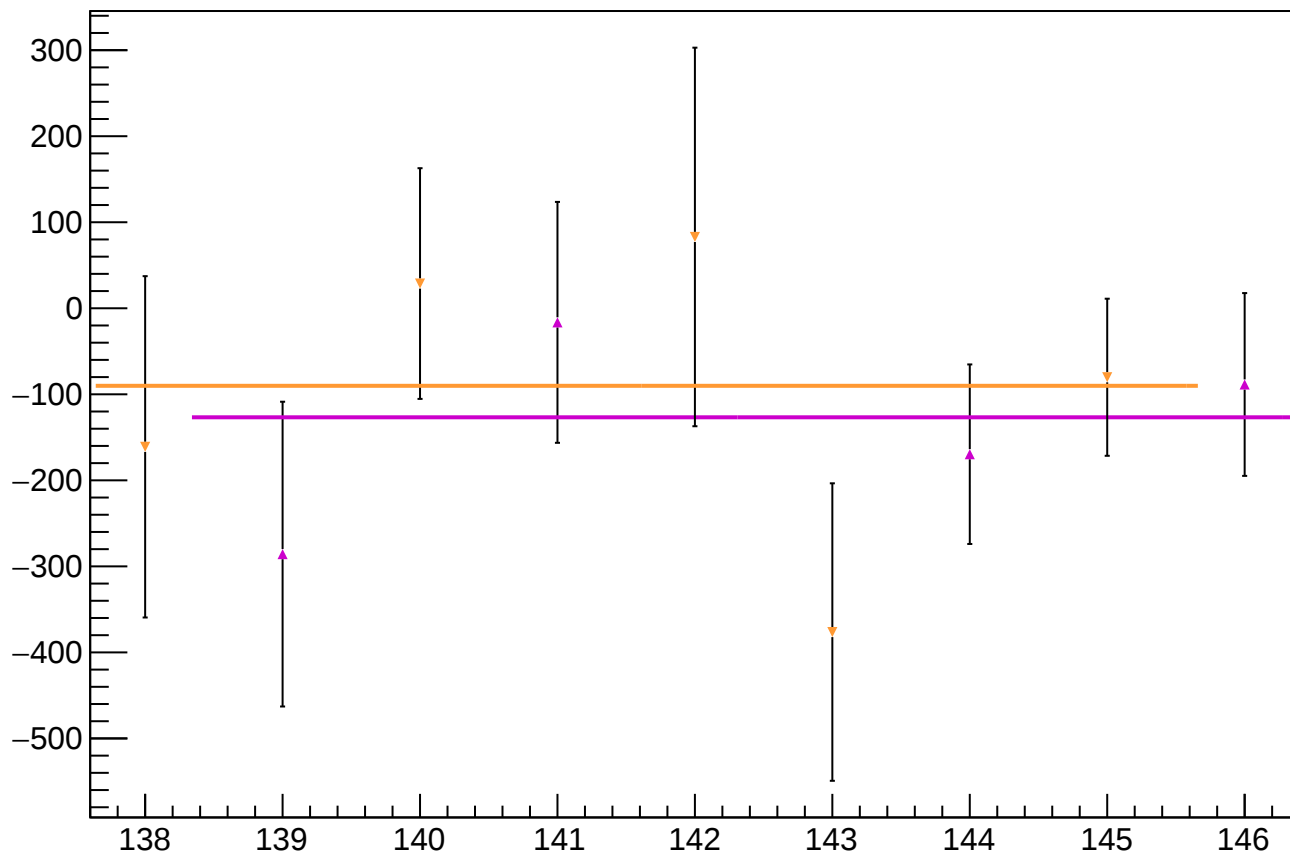
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 39.197+/-0.016 χ^2/NDF : 35175.8/3

39.670+/-0.015 χ^2/NDF : 72061.4/4

39.197+/-0.016 χ^2/NDF : 35175.8/3

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -90.121+/-62.609 χ^2/NDF : 4.3/4

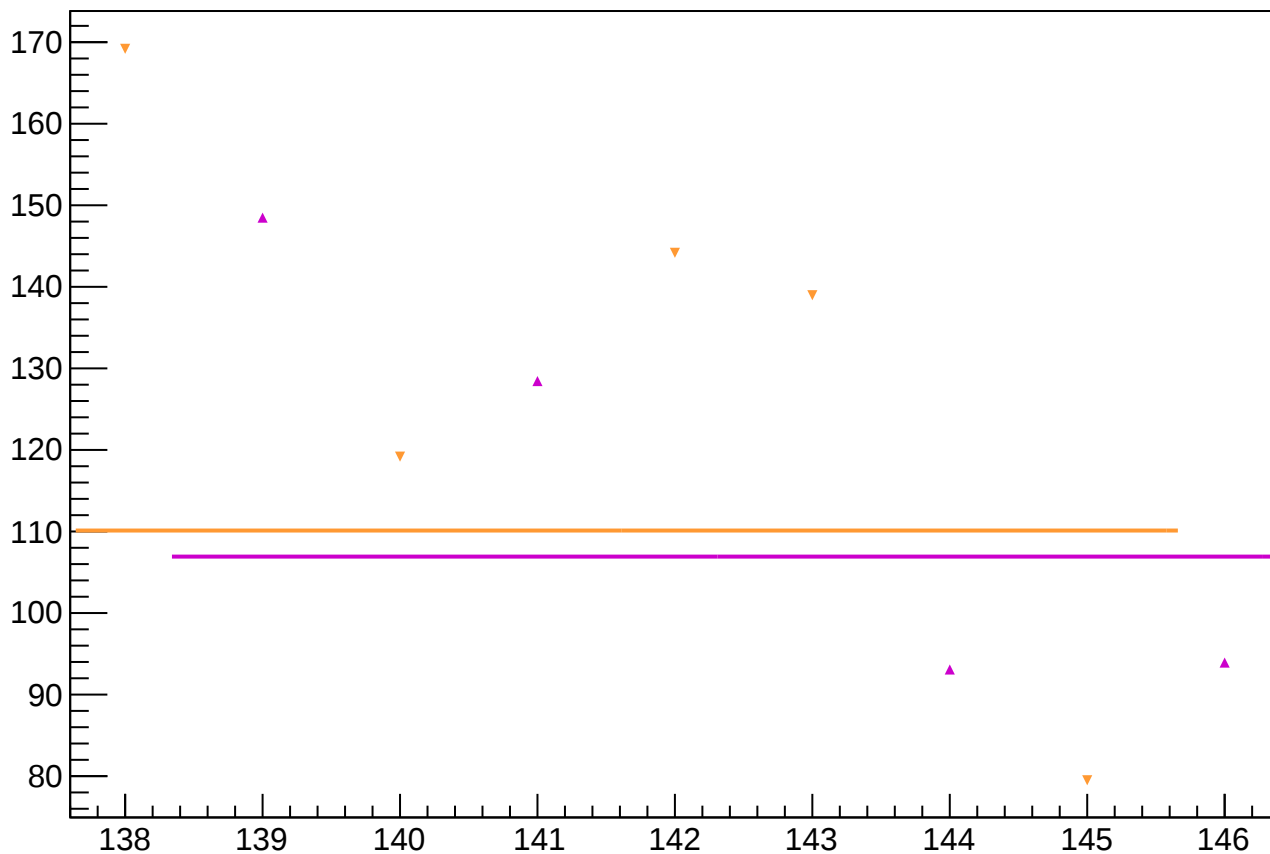
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -126.730+/-61.626 χ^2/NDF : 1.7/3

-90.121+/-62.609 χ^2/NDF : 4.3/4

-126.730+/-61.626 χ^2/NDF : 1.7/3

asym_sam_37_26_dd_correction_rms vs Slug



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

Left Out: 110.116+/-0.044 χ^2/NDF : 515092.5/4

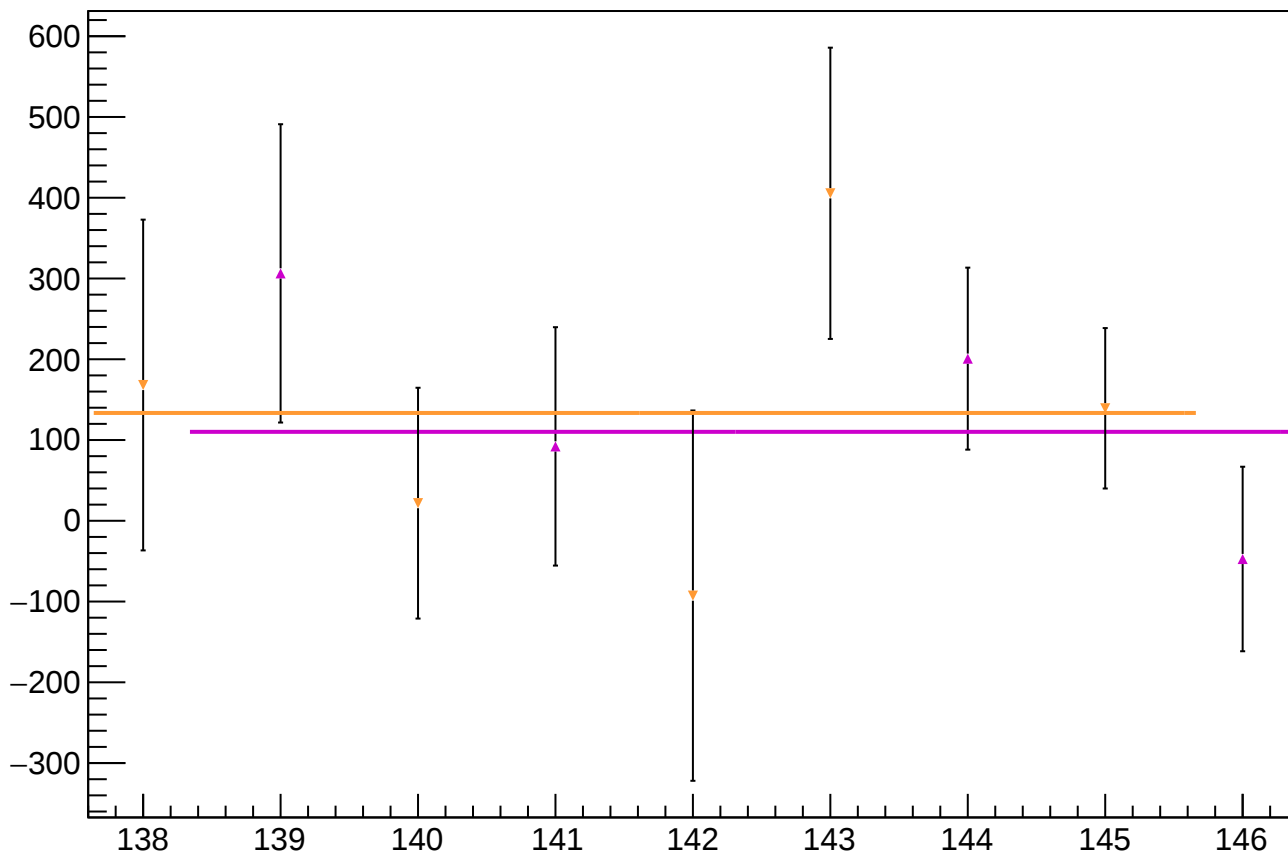
110.116+/-0.044 χ^2/NDF : 515092.5/4

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

106.920+/-0.044 χ^2/NDF : 222506.6/3

Left In: 106.920+/-0.044 χ^2/NDF : 222506.6/3

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 133.512+/-66.822 χ^2/NDF : 3.9/4

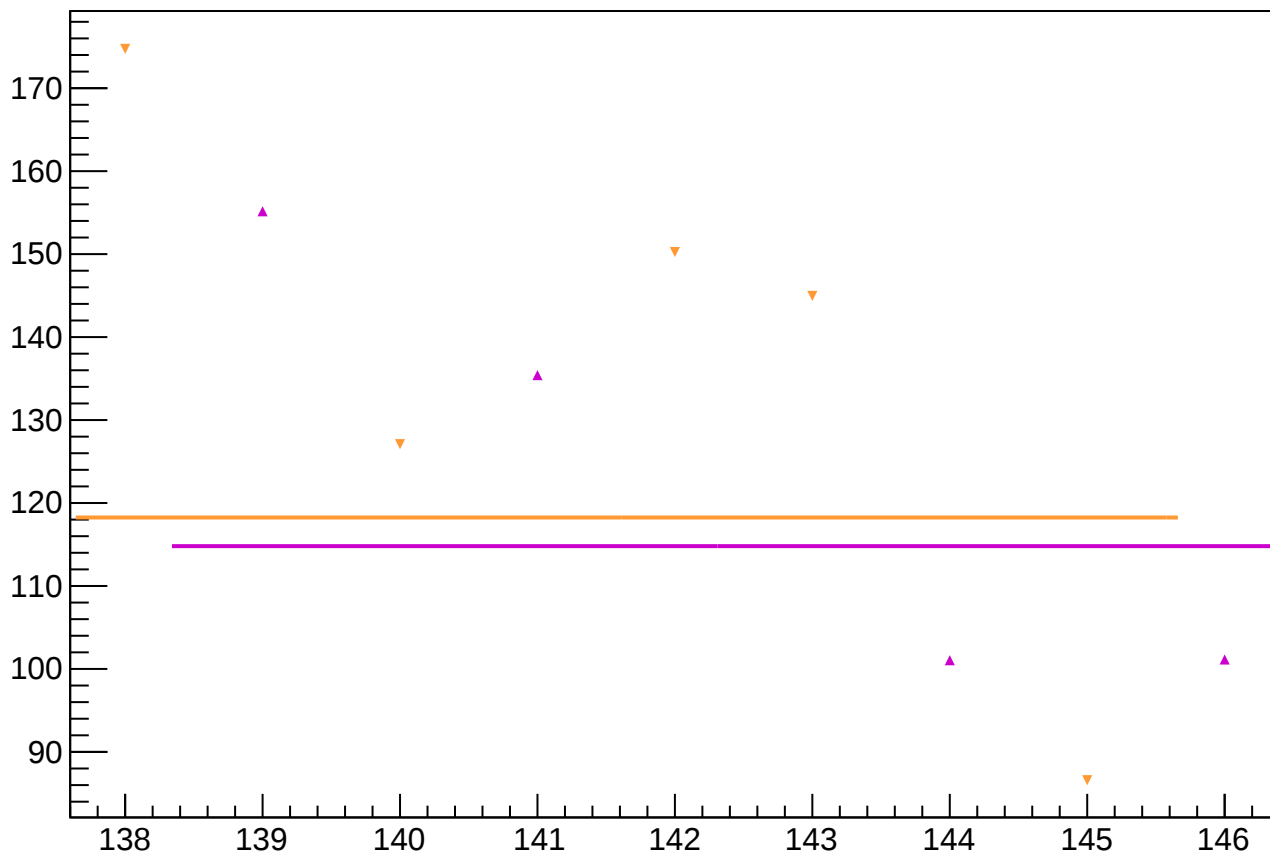
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 110.132+/-65.852 χ^2/NDF : 3.7/3

133.512+/-66.822 χ^2/NDF : 3.9/4

110.132+/-65.852 χ^2/NDF : 3.7/3

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 118.255+/-0.047 χ^2/NDF : 445934.2/4

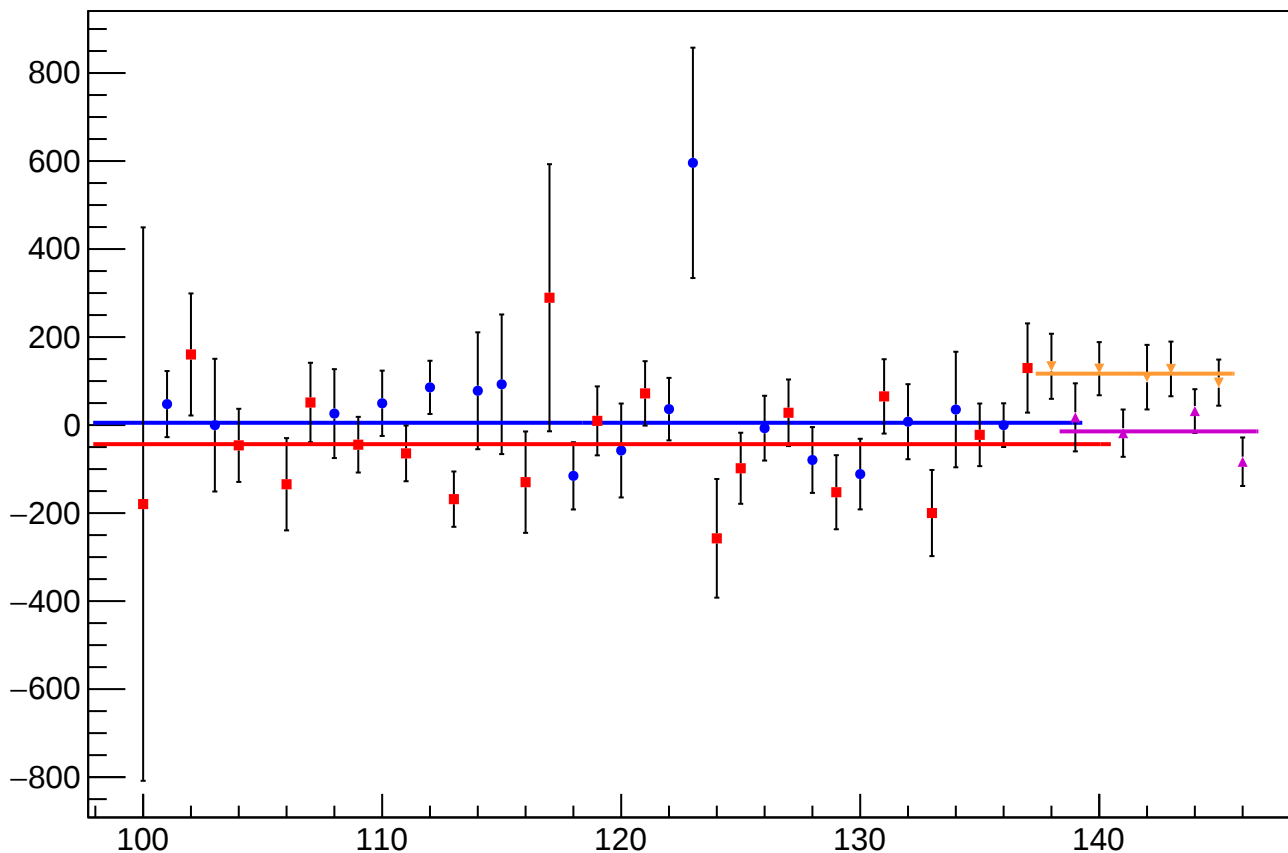
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 114.801+/-0.047 χ^2/NDF : 192919.9/3

118.255+/-0.047 χ^2/NDF : 445934.2/4

114.801+/-0.047 χ^2/NDF : 192919.9/3

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 116.877 ± 28.102 χ^2/NDF : 0.3/4

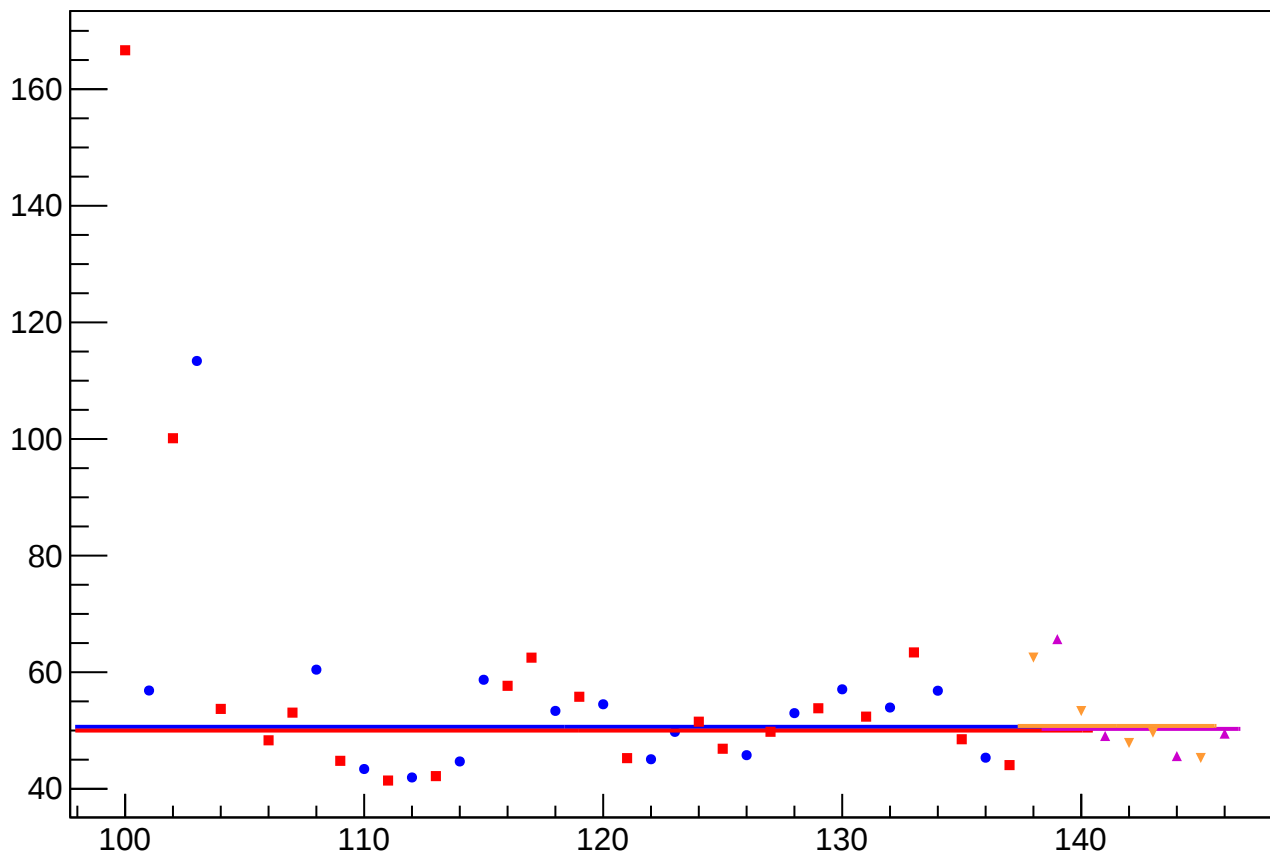
Right Out: -43.354 ± 19.371 χ^2/NDF : 25.6/19

Left In: -14.365 ± 28.309 χ^2/NDF : 2.6/3

43.135 ± 16.376 χ^2/NDF : 25.4/21

-34.109 ± 15.986 χ^2/NDF : 28.9/23

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 50.786 $\pm$ 0.020 χ^2 /NDF: 79667.3/4

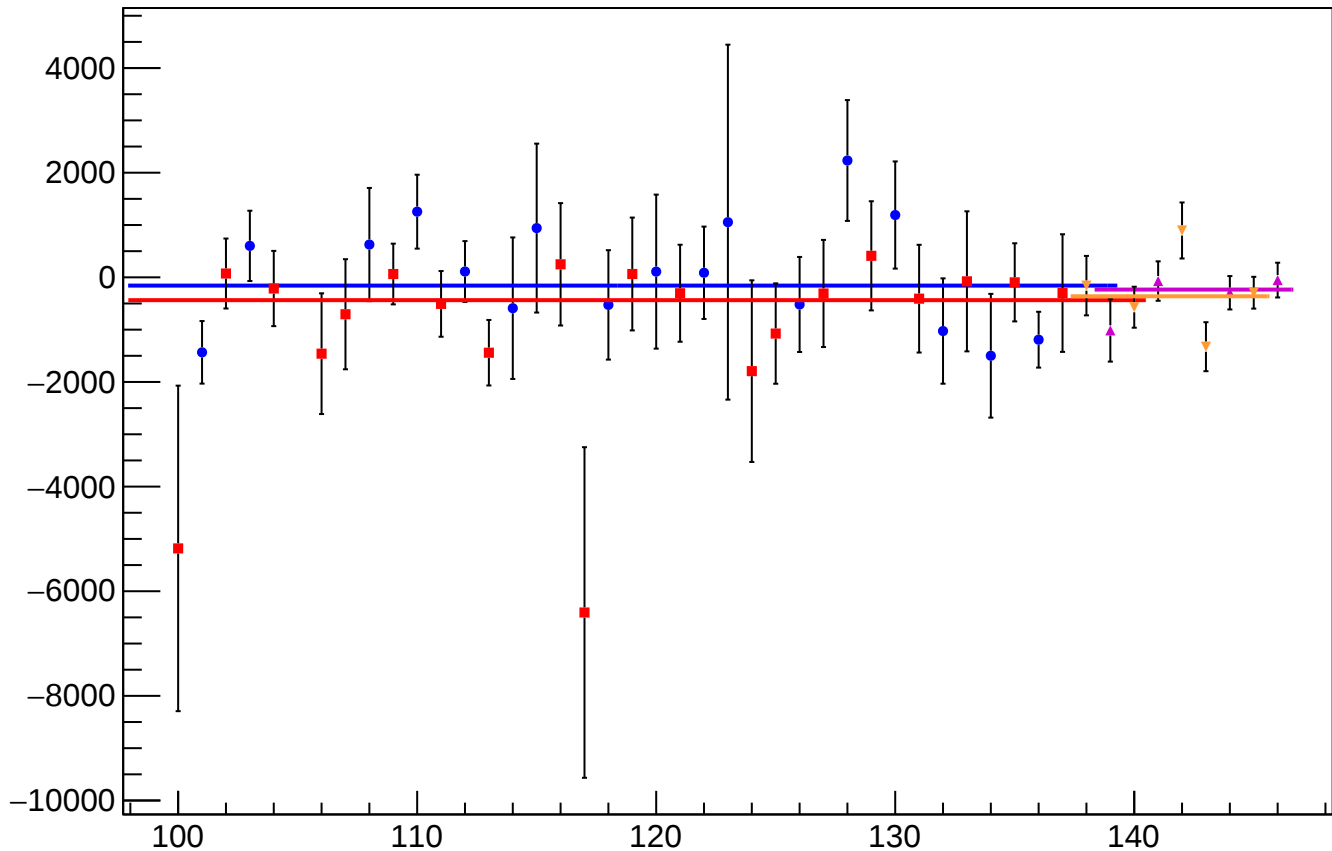
Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

Left In: 50.280 $\pm$ 0.020 χ^2 /NDF: 98381.4/3

50.686 $\pm$ 0.012 χ^2 /NDF: 599392.9/21

50.085 $\pm$ 0.011 χ^2 /NDF: 602418.9/23

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -362.245+/-187.353 χ^2/NDF : 10.2/4

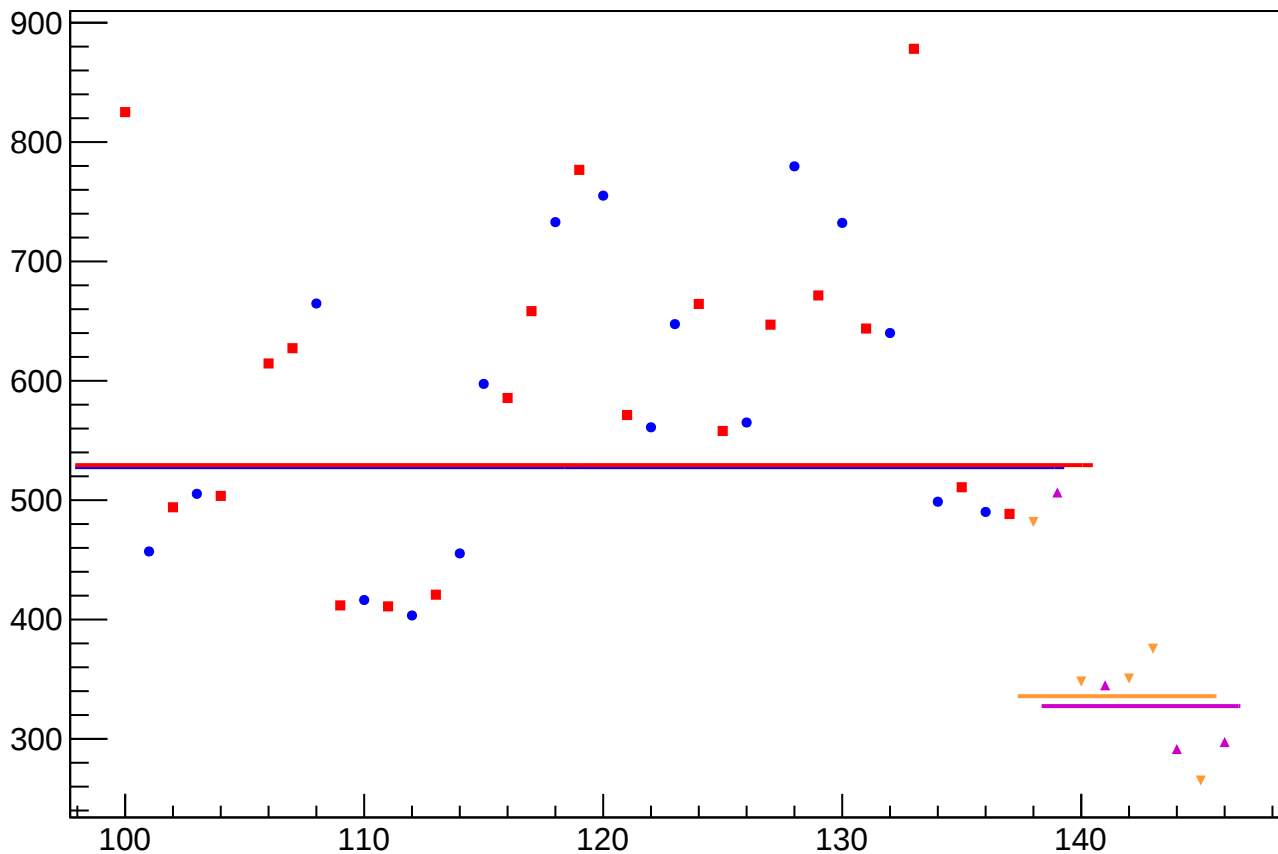
Right Out: -436.410+/-203.212 χ^2/NDF : 13.4/19

Left In: -234.136+/-186.519 χ^2/NDF : 2.2/3

-271.813+/-139.856 χ^2/NDF : 34.2/21

-326.625+/-137.412 χ^2/NDF : 16.1/23

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 335.770 $\pm$ 0.132 χ^2 /NDF: 258009.5/4

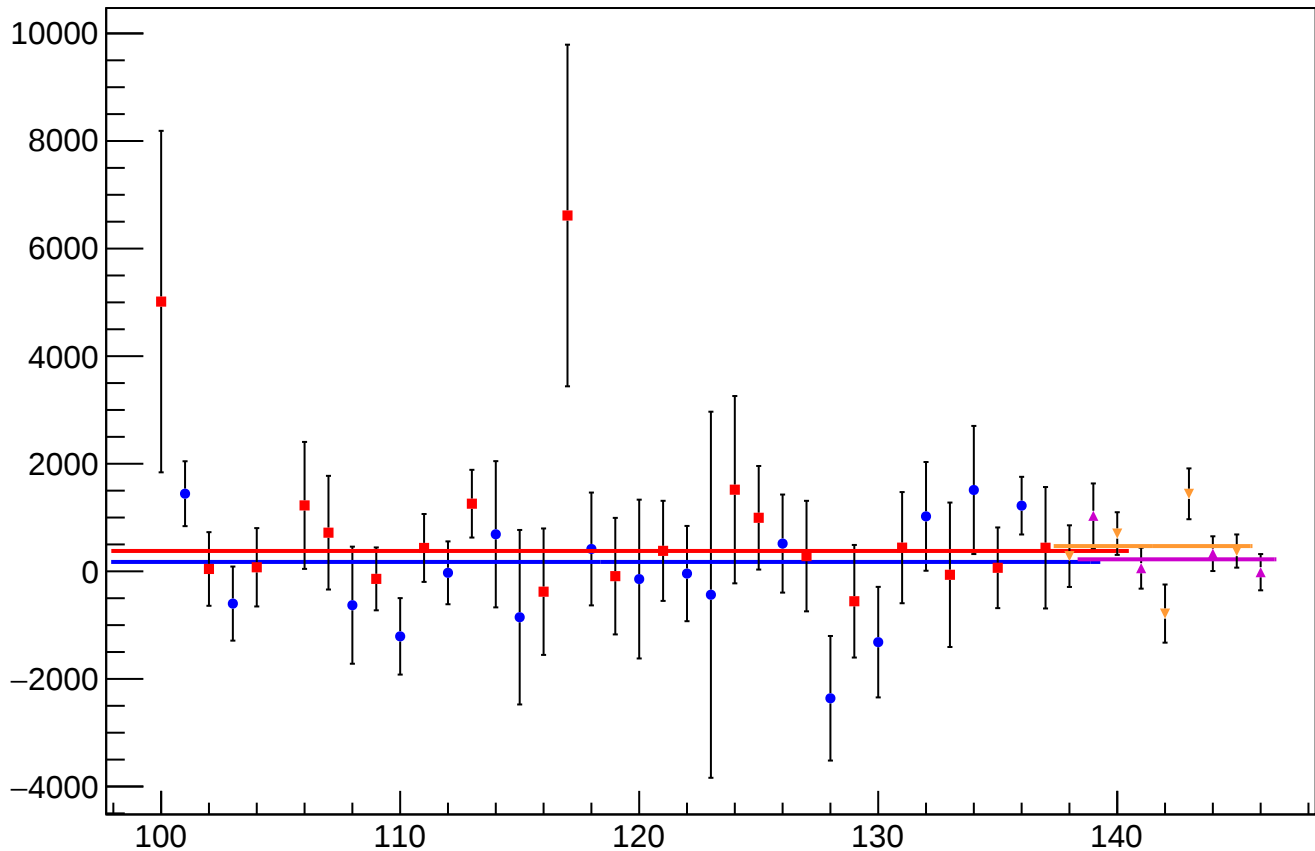
Right Out: 529.342 $\pm$ 0.144 χ^2 /NDF: 626714.3/19

Left In: 327.475 $\pm$ 0.132 χ^2 /NDF: 226219.1/3

420.733 $\pm$ 0.099 χ^2 /NDF: 1744407.4/21

419.778 $\pm$ 0.097 χ^2 /NDF: 1924122.8/23

asym_sam_1357_avg_mean vs Slug



Right In: 174.605+/-211.662 χ^2/NDF : 23.7/16

Left Out: 469.458+/-189.625 χ^2/NDF : 10.2/4

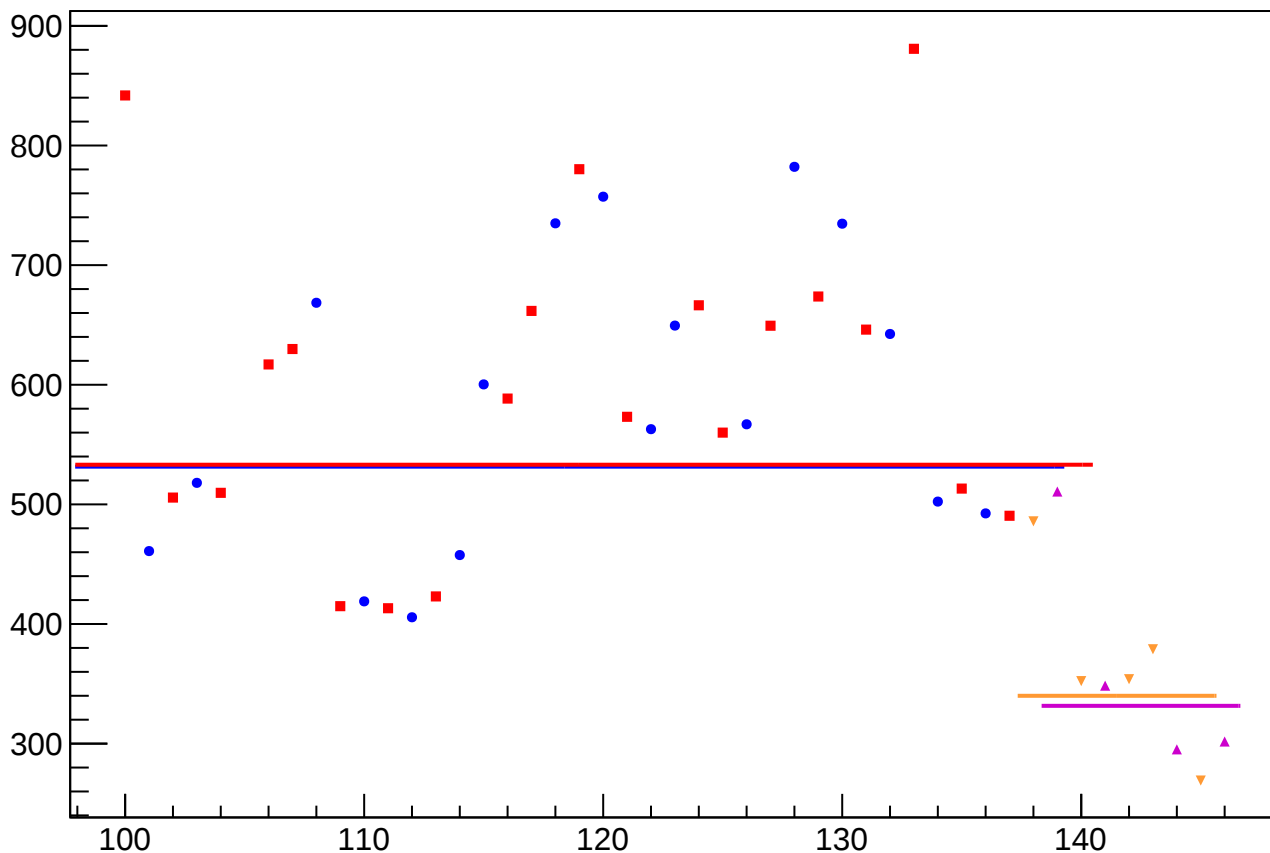
Right Out: 378.609+/-204.777 χ^2/NDF : 12.3/19

Left In: 223.312+/-188.786 χ^2/NDF : 2.6/3

338.175+/-141.236 χ^2/NDF : 34.9/21

294.662+/-138.801 χ^2/NDF : 15.2/23

asym_sam_1357_avg_rms vs Slug



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 339.983 $\pm$ 0.134 χ^2 /NDF: 251717.5/4

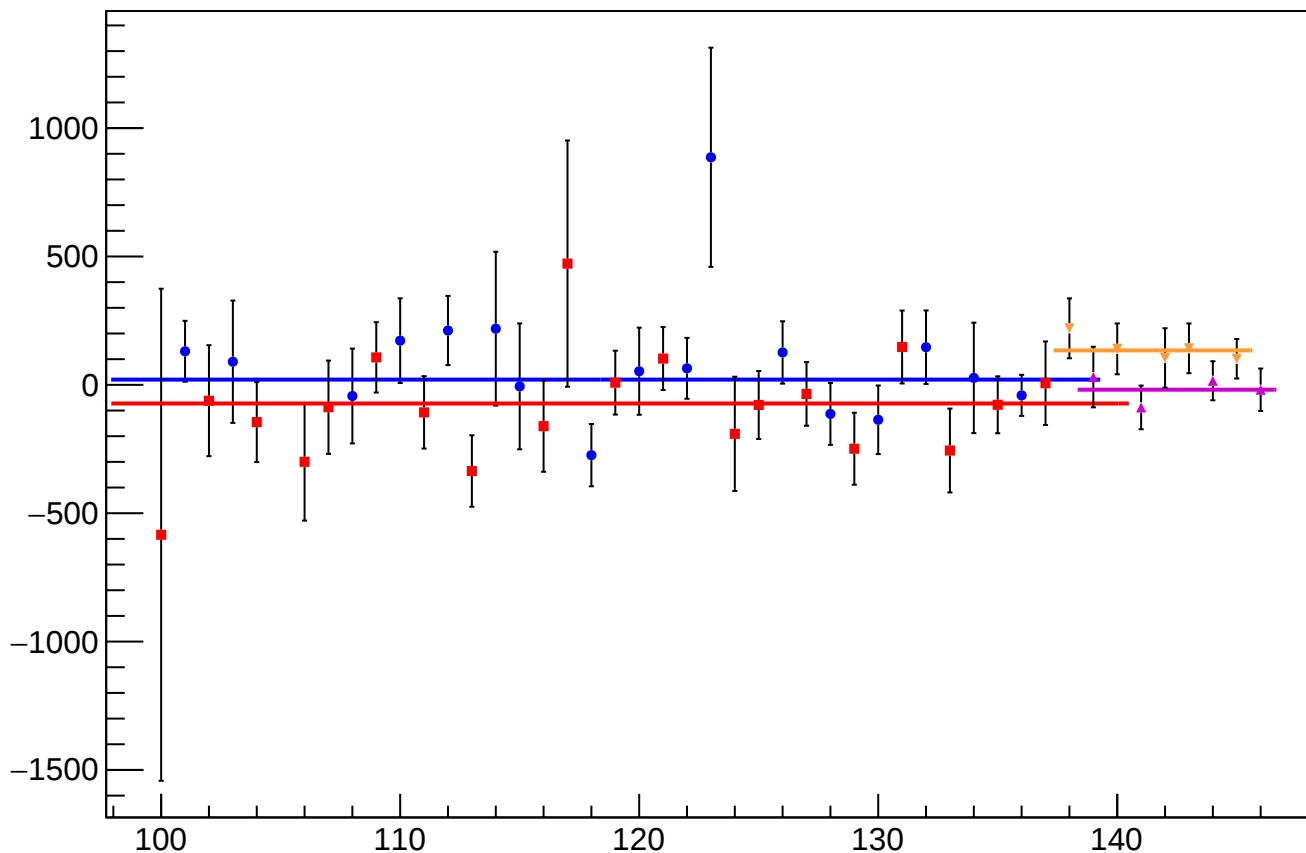
Right Out: 533.157 $\pm$ 0.145 χ^2 /NDF: 619038.4/19

Left In: 331.594 $\pm$ 0.133 χ^2 /NDF: 222416.0/3

425.280 $\pm$ 0.100 χ^2 /NDF: 1710674.0/21

424.200 $\pm$ 0.098 χ^2 /NDF: 1888914.3/23

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 ± 34.583 χ^2/NDF : 19.3/16

Left Out: 134.348 ± 43.609 χ^2/NDF : 0.8/4

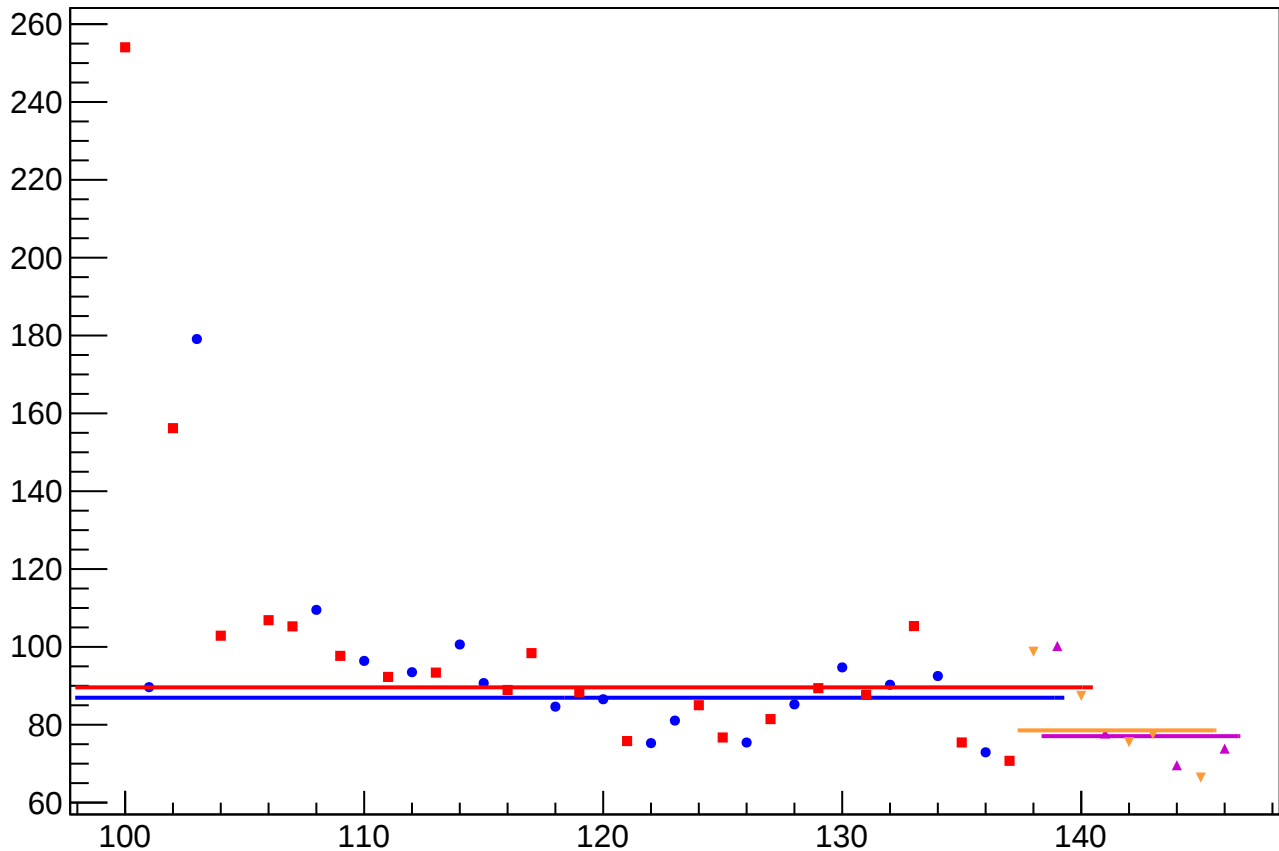
Right Out: -72.603 ± 34.608 χ^2/NDF : 16.7/19

Left In: -18.865 ± 43.466 χ^2/NDF : 1.0/3

64.419 ± 27.097 χ^2/NDF : 24.3/21

-51.753 ± 27.074 χ^2/NDF : 18.7/23

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 78.553+/-0.031 χ^2/NDF :127350.1/4

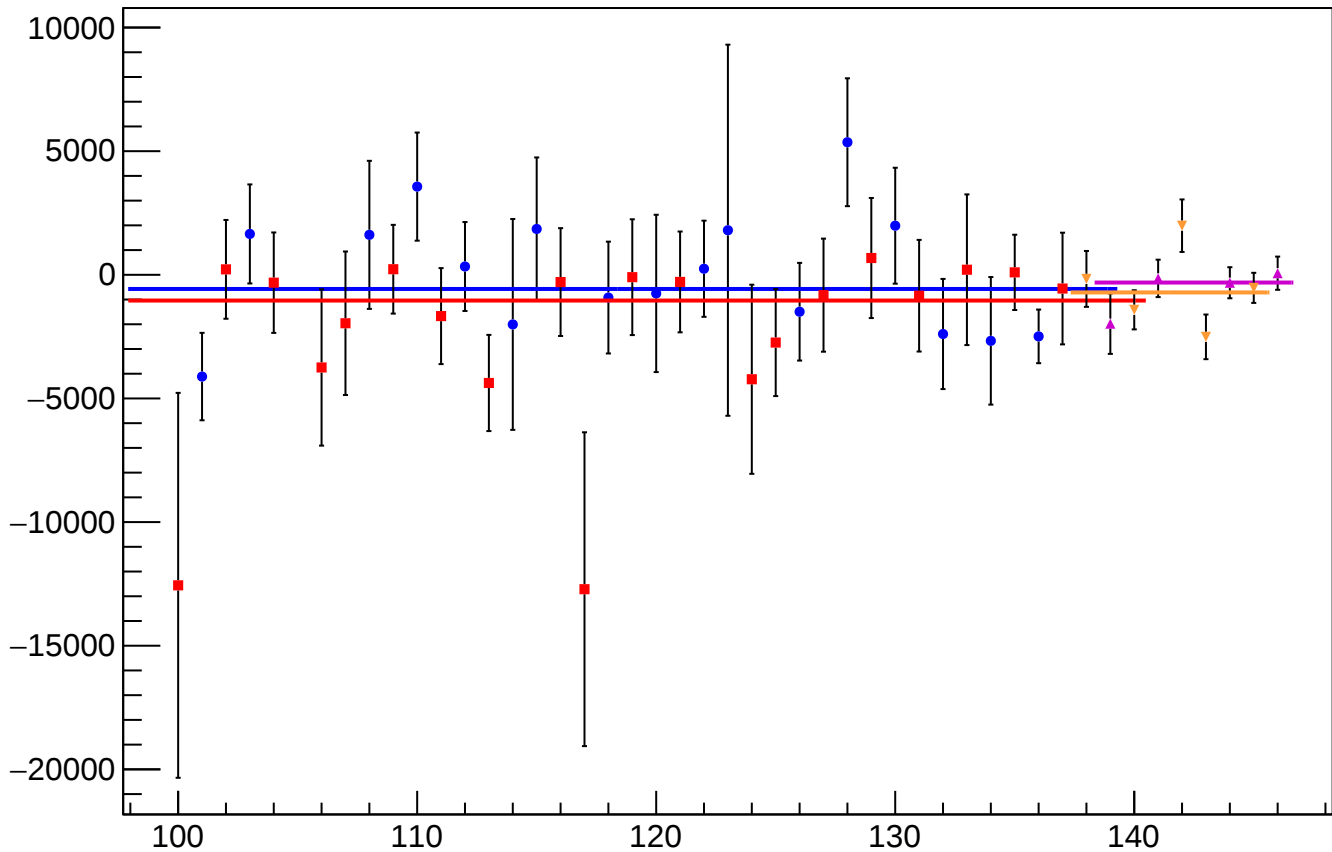
Right Out: 89.607+/-0.024 χ^2/NDF : 431905.8/19

Left In: 77.068+/-0.031 χ^2/NDF :99662.6/3

83.704+/-0.019 χ^2/NDF : 628600.9/21

84.742+/-0.019 χ^2/NDF : 633431.3/23

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342+/-517.020 χ^2/NDF : 21.9/16

Left Out: -713.059+/-372.846 χ^2/NDF : 11.5/4

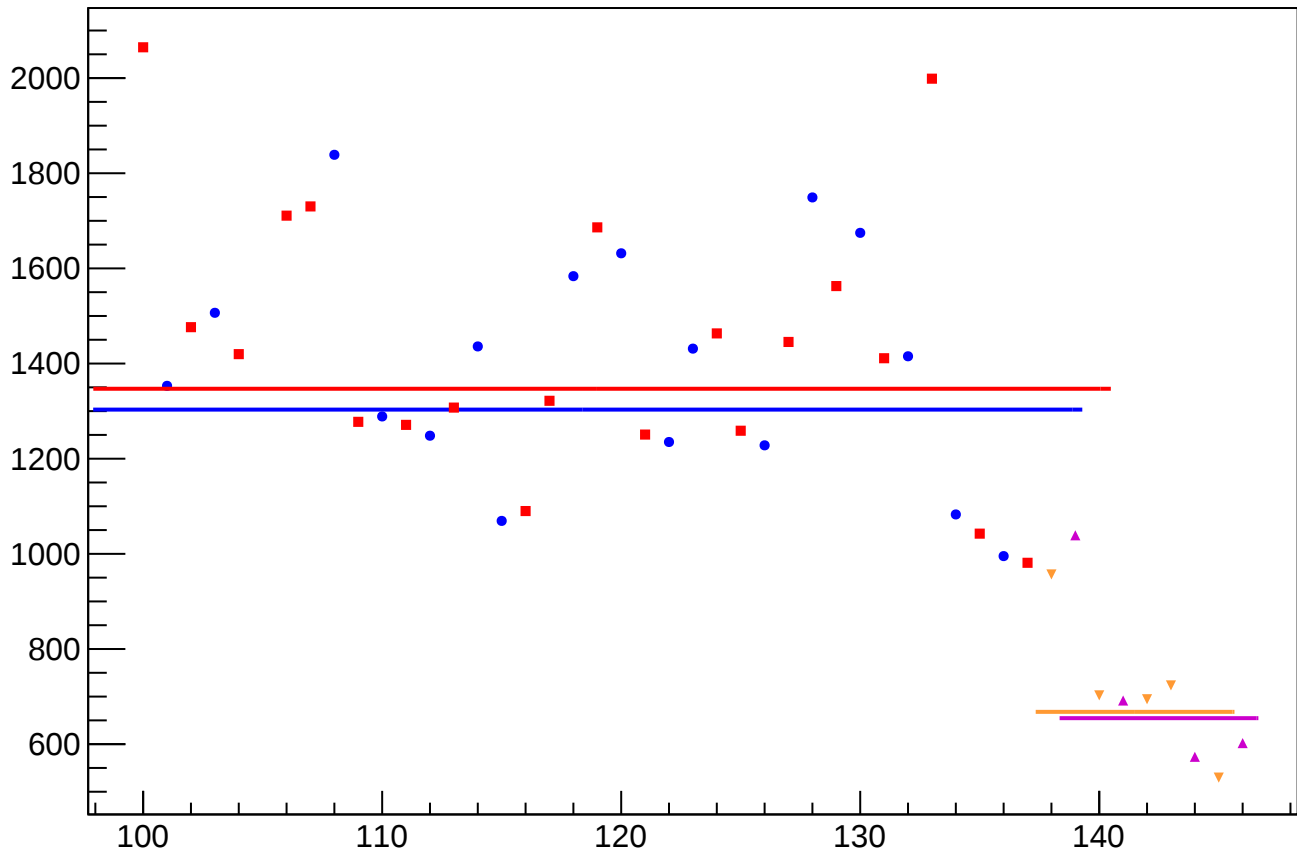
Right Out: -1040.618+/-512.937 χ^2/NDF : 13.5/19

Left In: -312.879+/-373.424 χ^2/NDF : 2.2/3

-664.916+/-302.413 χ^2/NDF : 33.5/21

-564.972+/-301.896 χ^2/NDF : 17.0/23

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201 +/- 0.366 χ^2/NDF : 451961.9/16

Left Out: 667.913 +/- 0.264 χ^2/NDF : 246439.4/4

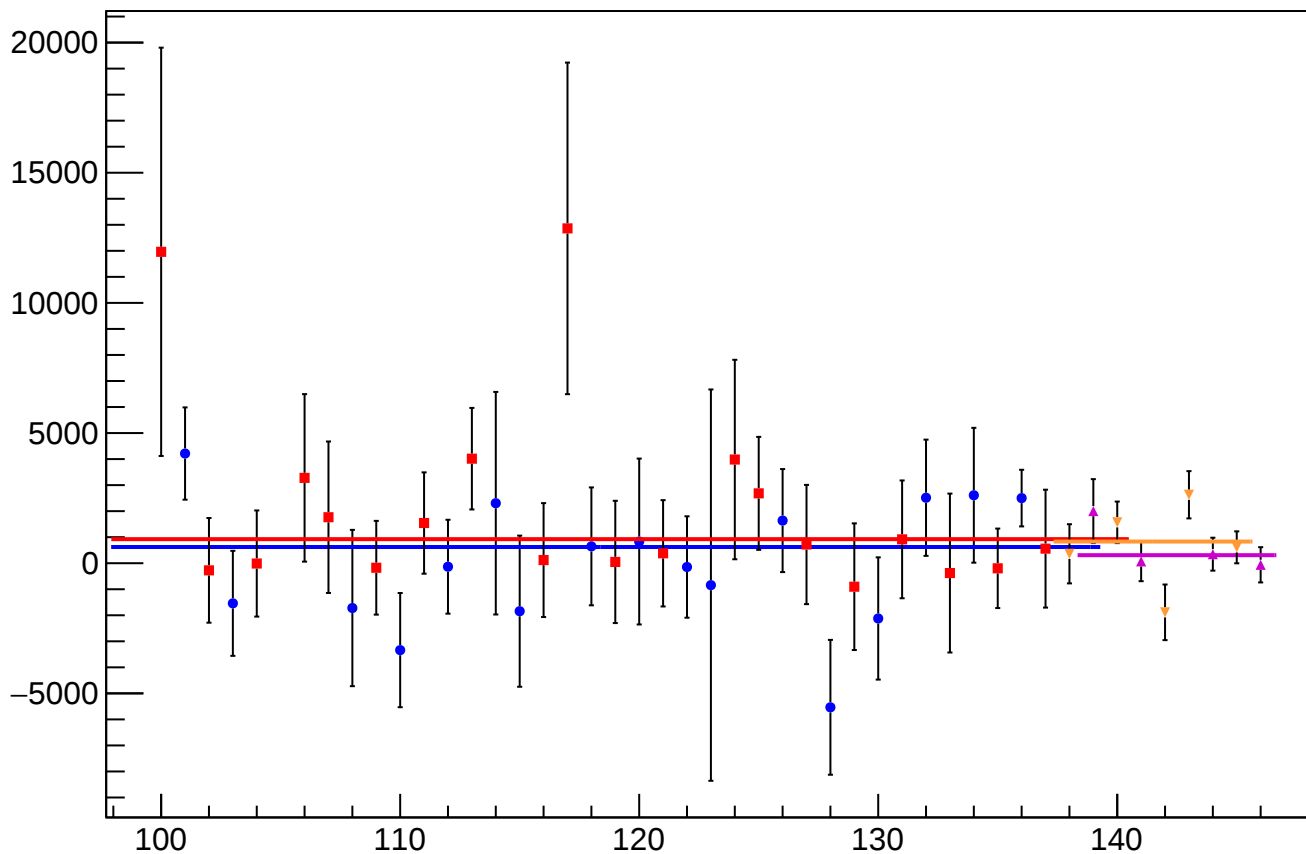
Right Out: 1347.011 +/- 0.363 χ^2/NDF : 420806.0/19

Left In: 654.636 +/- 0.264 χ^2/NDF : 248268.4/3

885.261 +/- 0.214 χ^2/NDF : 2684949.8/21

894.479 +/- 0.213 χ^2/NDF : 3050801.2/23

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 $\pm$ 518.496 χ^2/NDF : 22.0/16

Left Out: 832.427 $\pm$ 375.546 χ^2/NDF : 11.6/4

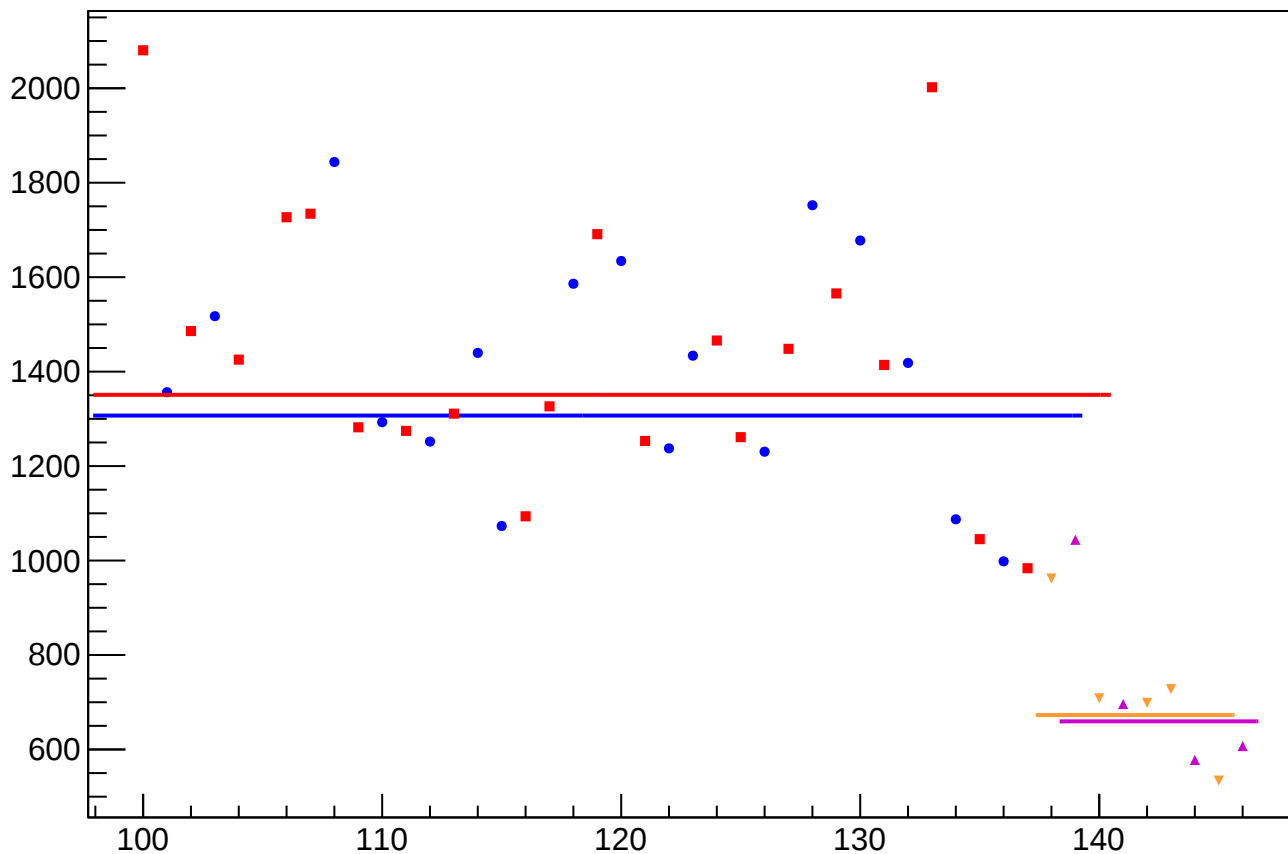
Right Out: 924.488 $\pm$ 514.636 χ^2/NDF : 12.6/19

Left In: 308.831 $\pm$ 376.116 χ^2/NDF : 2.3/3

760.162 $\pm$ 304.147 χ^2/NDF : 33.6/21

523.179 $\pm$ 303.663 χ^2/NDF : 15.9/23

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 672.860+/-0.266 χ^2/NDF : 244168.4/4

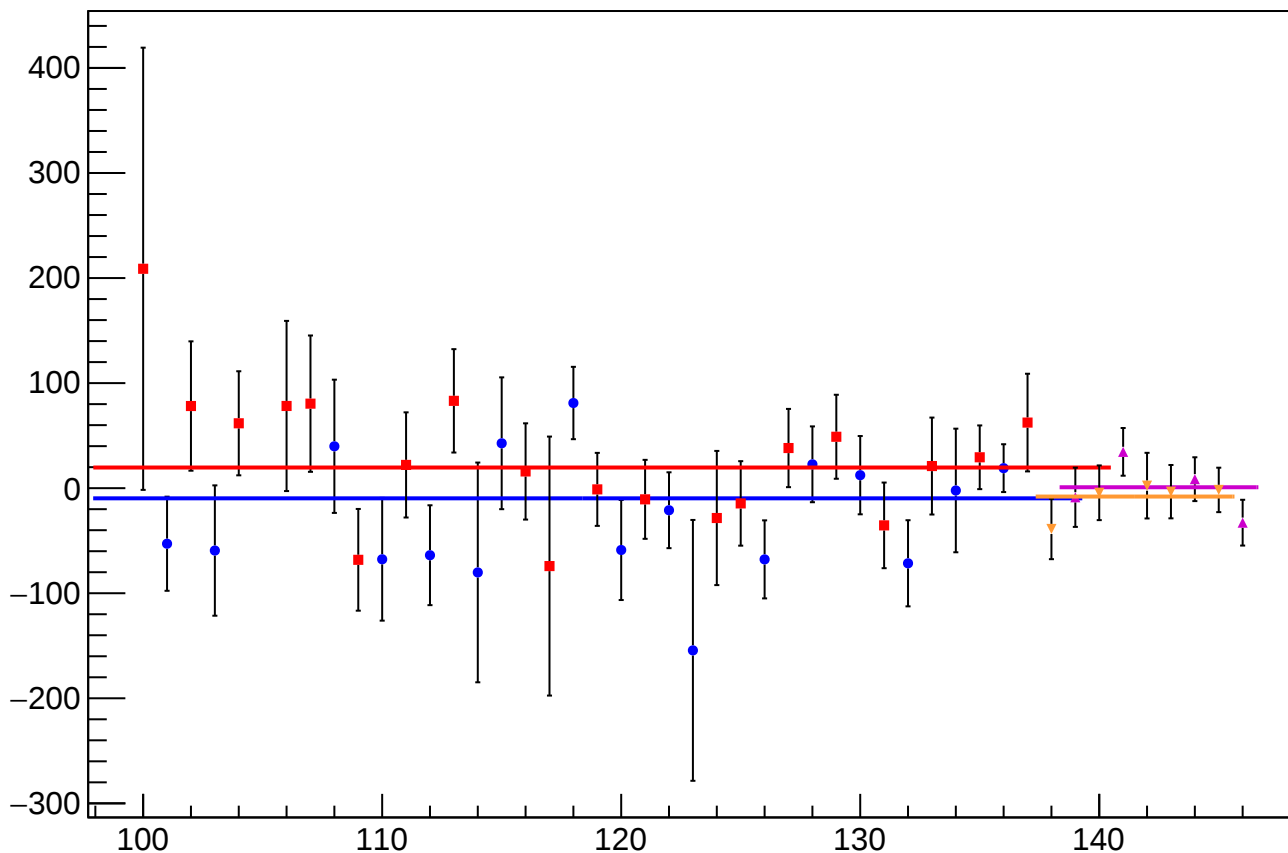
Right Out: 1350.936+/-0.364 χ^2/NDF : 421834.2/19

Left In: 659.503+/-0.266 χ^2/NDF : 245987.2/3

891.057+/-0.215 χ^2/NDF : 2657478.7/21

900.234+/-0.215 χ^2/NDF : 3021077.4/23

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: -7.974 ± 11.553 χ^2/NDF : 1.4/4

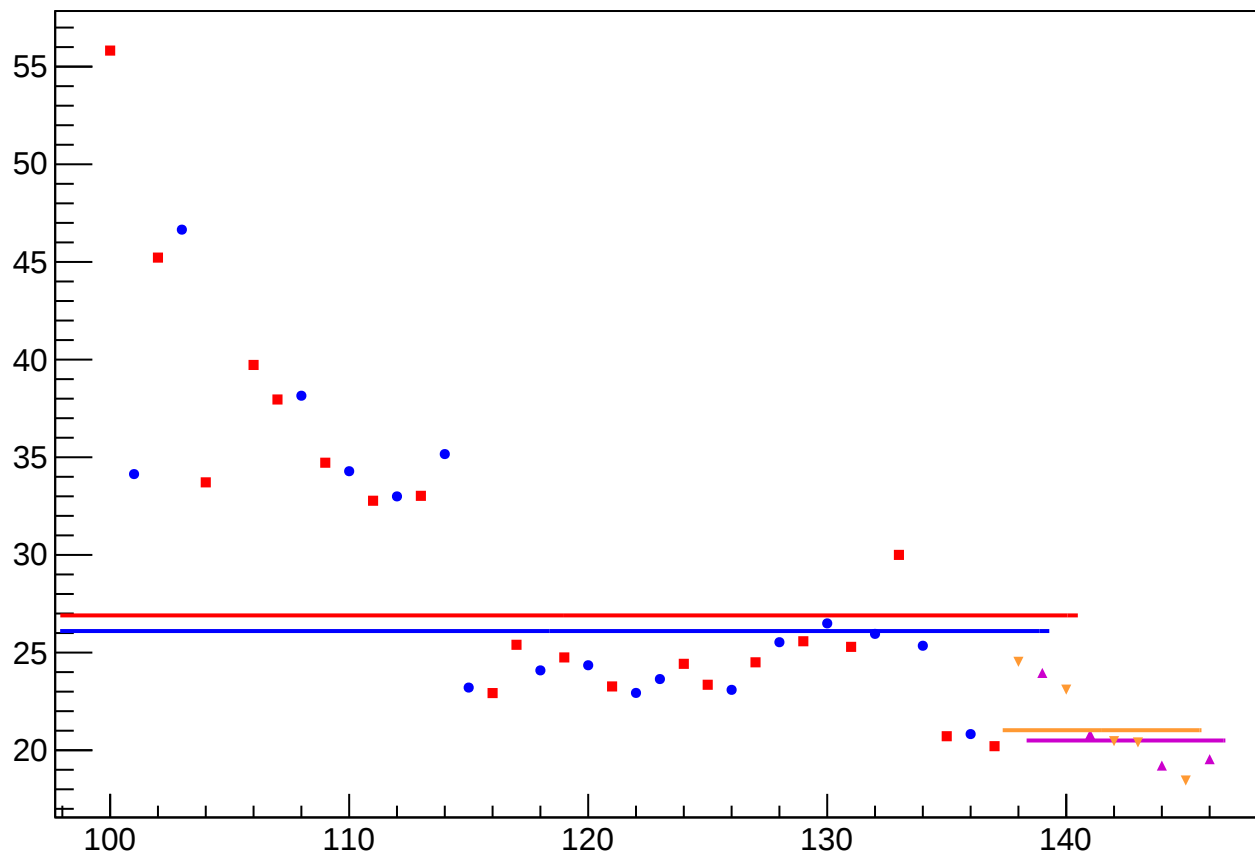
Right Out: 19.662 ± 10.406 χ^2/NDF : 15.2/19

Left In: 0.876 ± 11.467 χ^2/NDF : 4.8/3

-8.909 ± 7.733 χ^2/NDF : 24.0/21

11.177 ± 7.706 χ^2/NDF : 21.6/23

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 21.025 $\pm$ 0.008 χ^2 /NDF: 73861.3/4

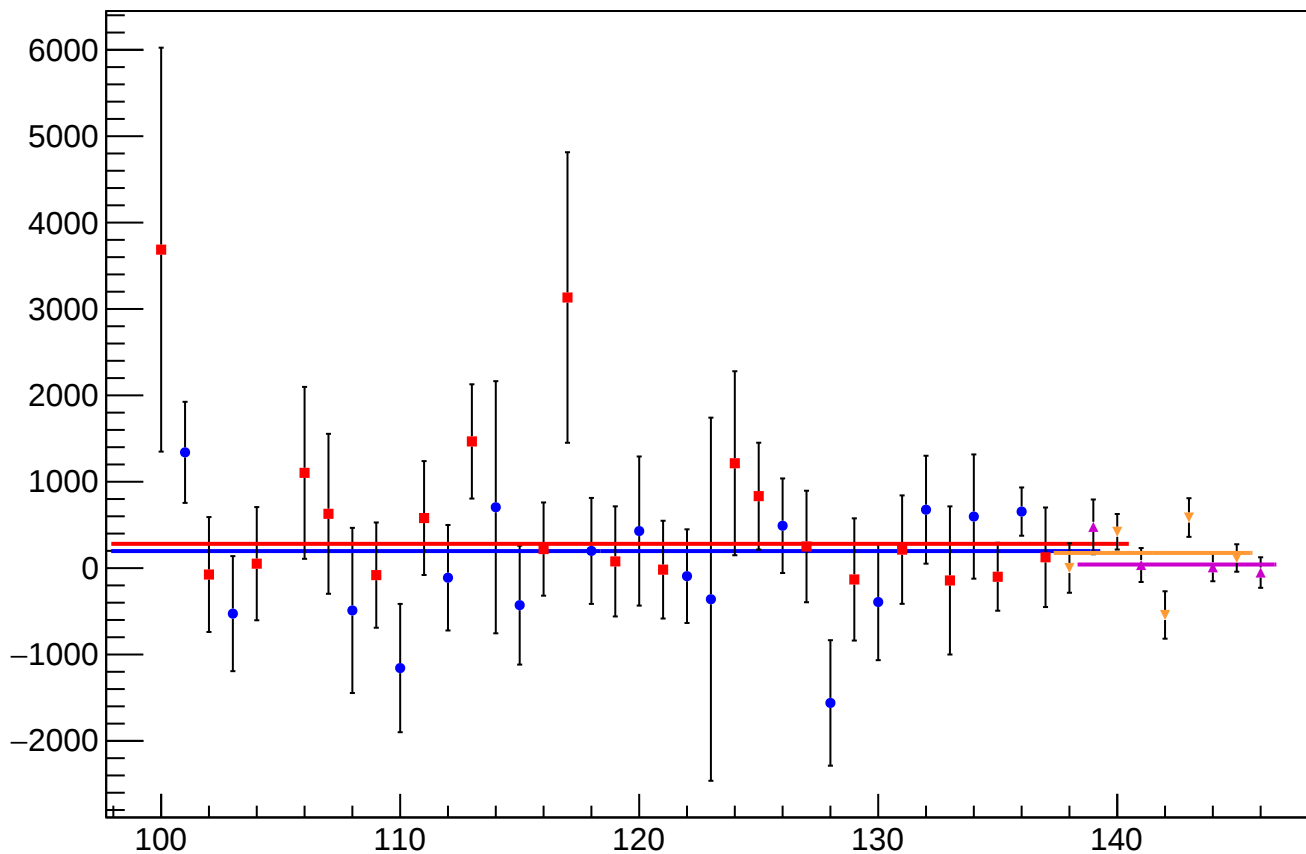
Right Out: 26.903 $\pm$ 0.007 χ^2 /NDF: 679269.9/19

Left In: 20.499 $\pm$ 0.008 χ^2 /NDF: 41944.0/3

23.828 $\pm$ 0.005 χ^2 /NDF: 891134.0/21

24.011 $\pm$ 0.005 χ^2 /NDF: 1063298.9/23

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 $\chi^2/\text{NDF}: 21.0/16$

Left Out: 175.982 ± 95.954 $\chi^2/\text{NDF}: 12.1/4$

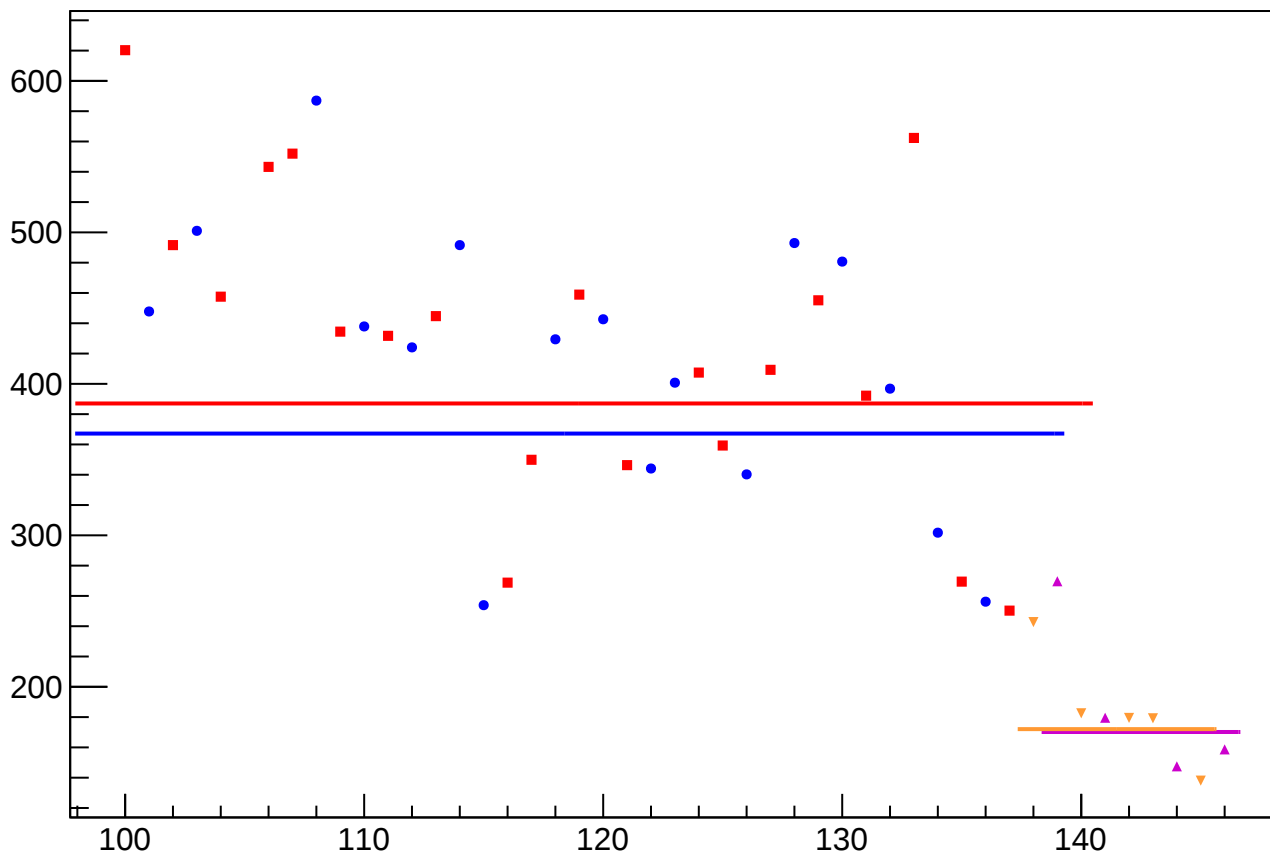
Right Out: 281.185 ± 149.275 $\chi^2/\text{NDF}: 13.6/19$

Left In: 41.764 ± 97.073 $\chi^2/\text{NDF}: 2.2/3$

182.306 ± 80.494 $\chi^2/\text{NDF}: 33.1/21$

112.920 ± 81.379 $\chi^2/\text{NDF}: 17.6/23$

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2/NDF : 827148.2/16

Left Out: 172.063 $\pm$ 0.068 χ^2/NDF : 221521.0/4

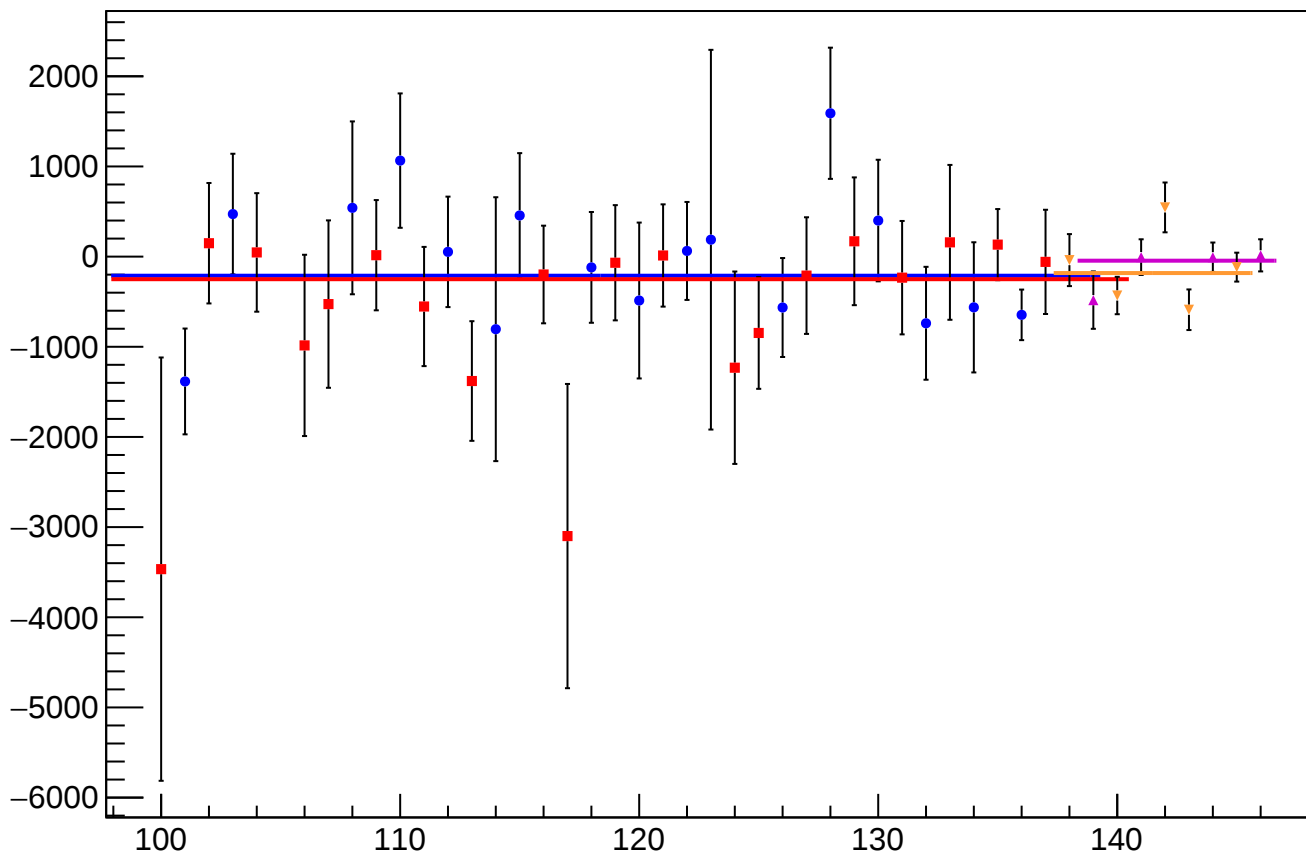
Right Out: 387.048 $\pm$ 0.106 χ^2/NDF : 775547.5/19

Left In: 170.169 $\pm$ 0.069 χ^2/NDF : 249493.7/3

229.871 $\pm$ 0.057 χ^2/NDF : 3498783.4/21

234.626 $\pm$ 0.058 χ^2/NDF : 3992064.1/23

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -182.240+/-96.693 χ^2/NDF : 12.1/4

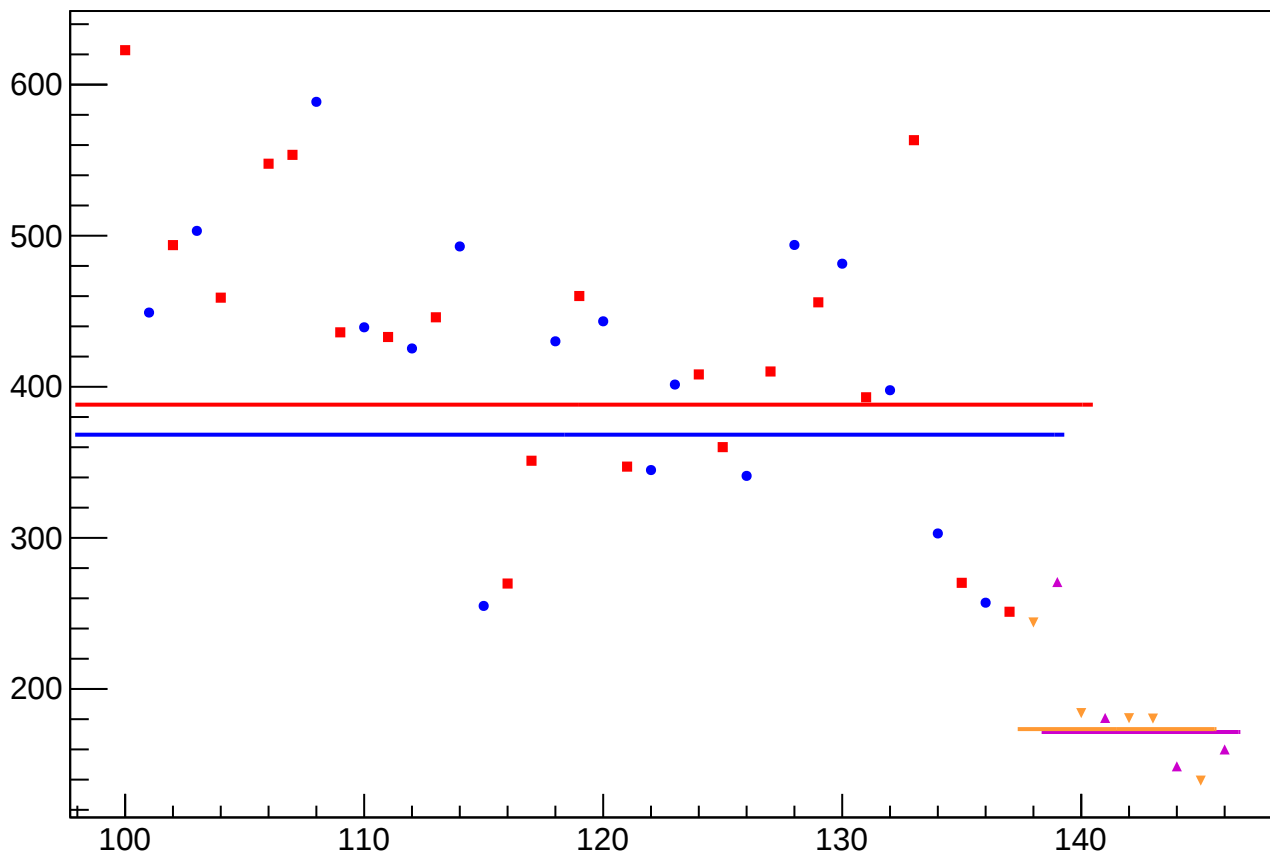
Right Out: -250.443+/-149.724 χ^2/NDF : 12.9/19

Left In: -45.156+/-97.809 χ^2/NDF : 2.1/3

-191.074+/-81.000 χ^2/NDF : 33.1/21

-106.559+/-81.885 χ^2/NDF : 16.3/23

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302+/-0.105 χ^2/NDF : 824619.2/16

Left Out: 173.442+/-0.068 χ^2/NDF : 218724.6/4

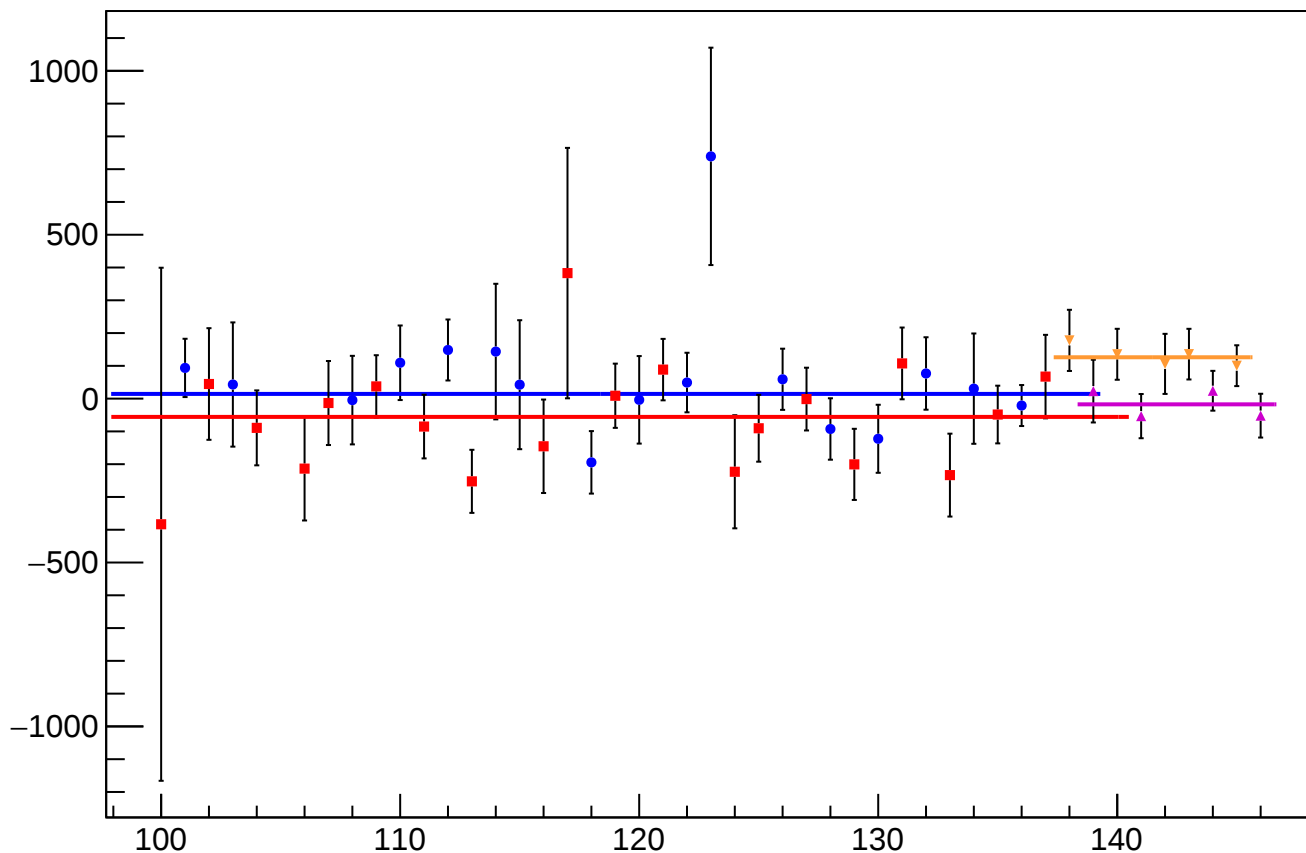
Right Out: 388.178+/-0.106 χ^2/NDF : 775692.7/19

Left In: 171.522+/-0.069 χ^2/NDF : 246206.4/3

231.560+/-0.057 χ^2/NDF : 3465905.1/21

236.325+/-0.058 χ^2/NDF : 3957134.7/23

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 126.174+/-34.821 χ^2/NDF : 0.6/4

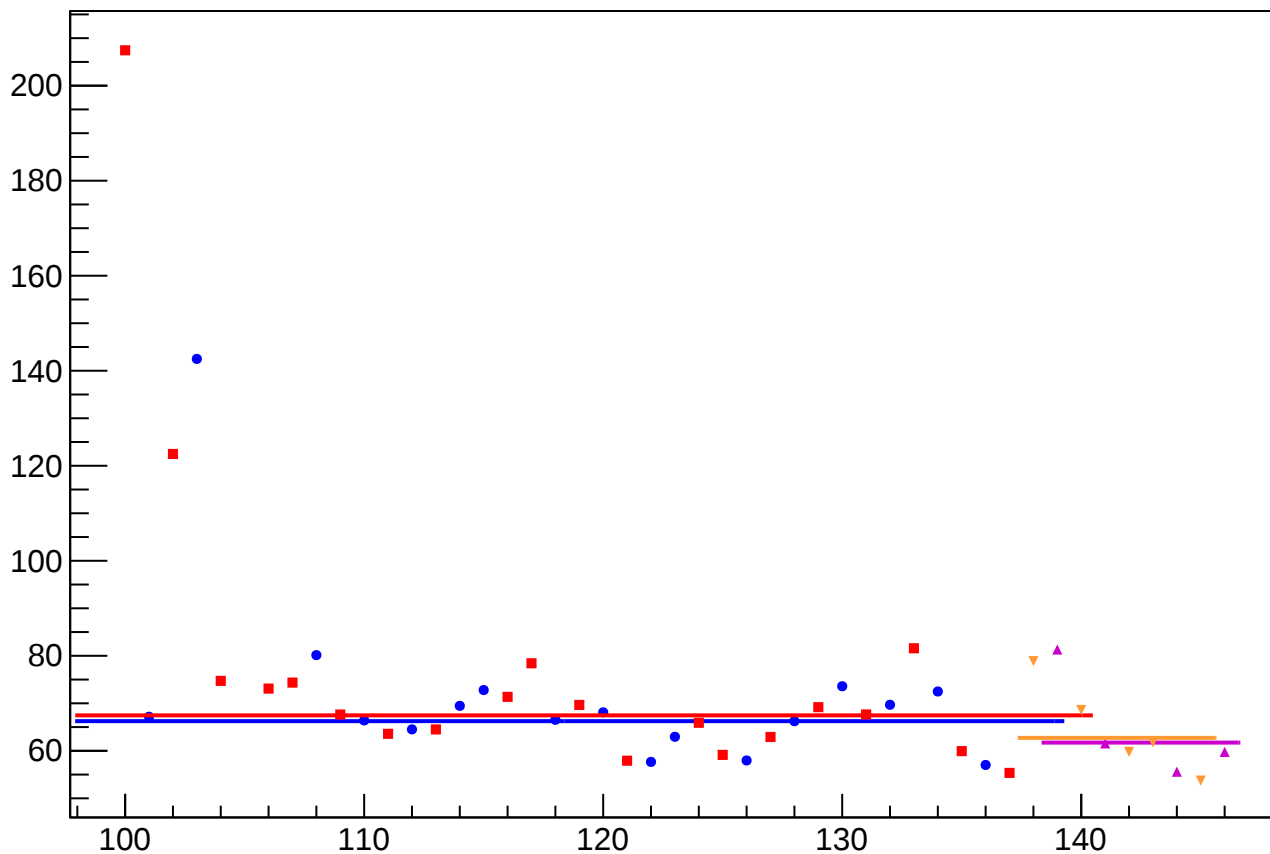
Right Out: -55.744+/-26.060 χ^2/NDF : 19.7/19

Left In: -17.431+/-34.830 χ^2/NDF : 1.2/3

55.058+/-21.004 χ^2/NDF : 24.8/21

-41.993+/-20.866 χ^2/NDF : 21.7/23

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 62.726+/-0.025 χ^2/NDF : 115391.4/4

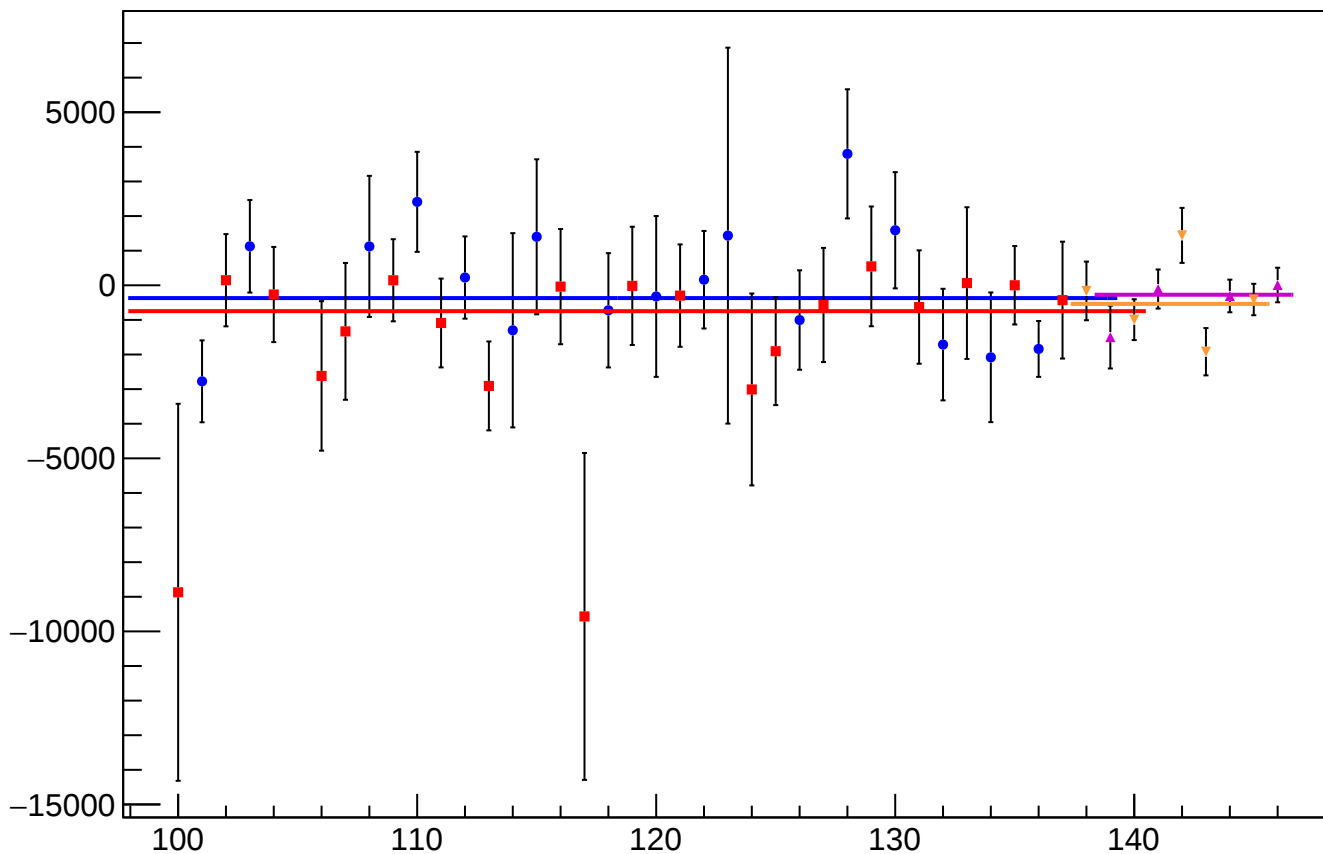
Right Out: 67.466+/-0.018 χ^2/NDF : 395262.8/19

Left In: 61.734+/-0.025 χ^2/NDF : 105873.8/3

64.966+/-0.015 χ^2/NDF : 569348.6/21

65.409+/-0.015 χ^2/NDF : 535873.8/23

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -537.291+/-279.013 χ^2/NDF : 11.2/4

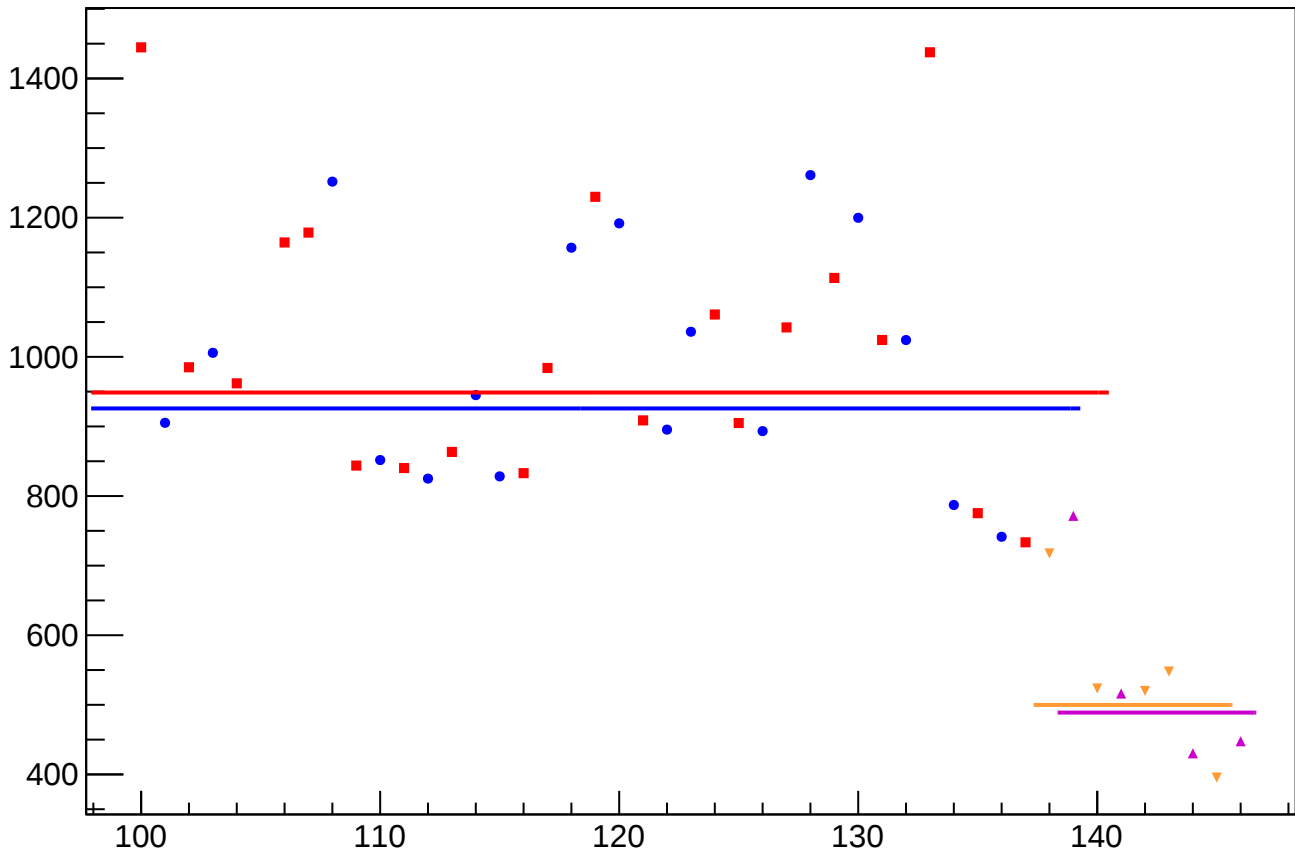
Right Out: -747.208+/-360.830 χ^2/NDF : 13.4/19

Left In: -272.783+/-278.764 χ^2/NDF : 2.2/3

-475.728+/-221.986 χ^2/NDF : 33.6/21

-450.108+/-220.599 χ^2/NDF : 16.8/23

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2/NDF : 391084.5/16

Left Out: 499.810 $\pm$ 0.197 χ^2/NDF : 252145.0/4

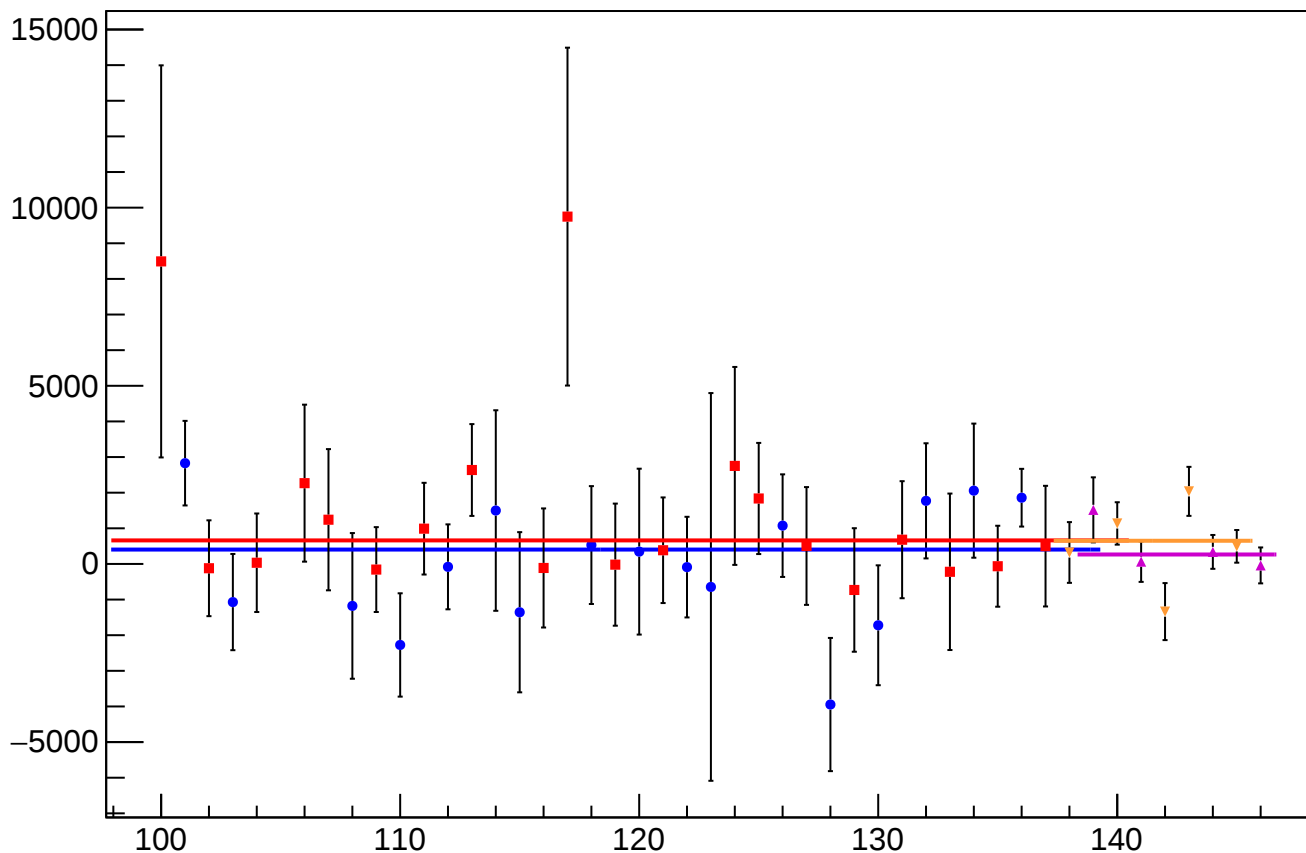
Right Out: 948.760 $\pm$ 0.255 χ^2/NDF : 382044.0/19

Left In: 488.864 $\pm$ 0.197 χ^2/NDF : 243119.2/3

656.179 $\pm$ 0.157 χ^2/NDF : 2354888.8/21

660.759 $\pm$ 0.156 χ^2/NDF : 2659760.5/23

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 650.467+/-281.325 χ^2/NDF : 11.2/4

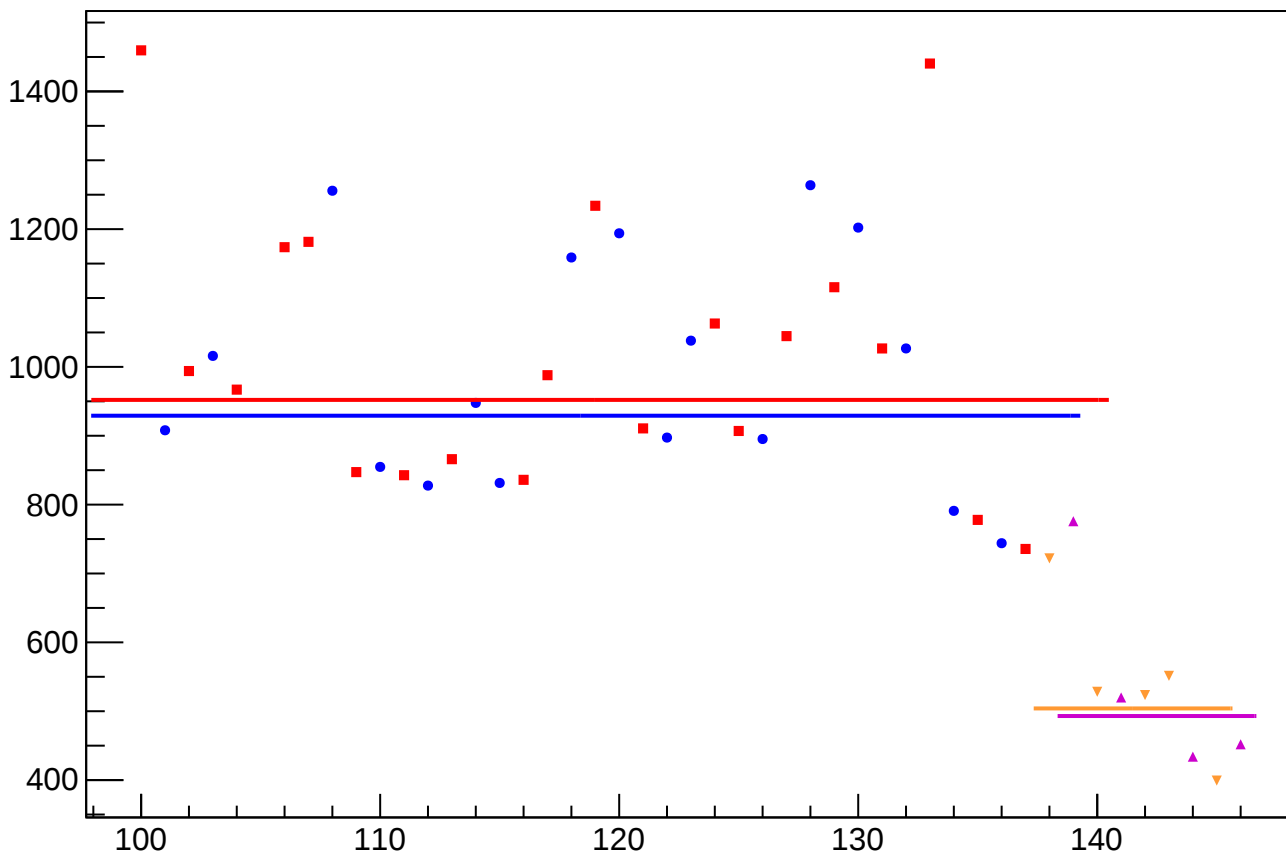
Right Out: 660.630+/-362.265 χ^2/NDF : 12.5/19

Left In: 265.235+/-281.070 χ^2/NDF : 2.4/3

559.308+/-223.427 χ^2/NDF : 33.9/21

413.812+/-222.069 χ^2/NDF : 15.7/23

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 504.054+/-0.199 χ^2/NDF : 249052.1/4

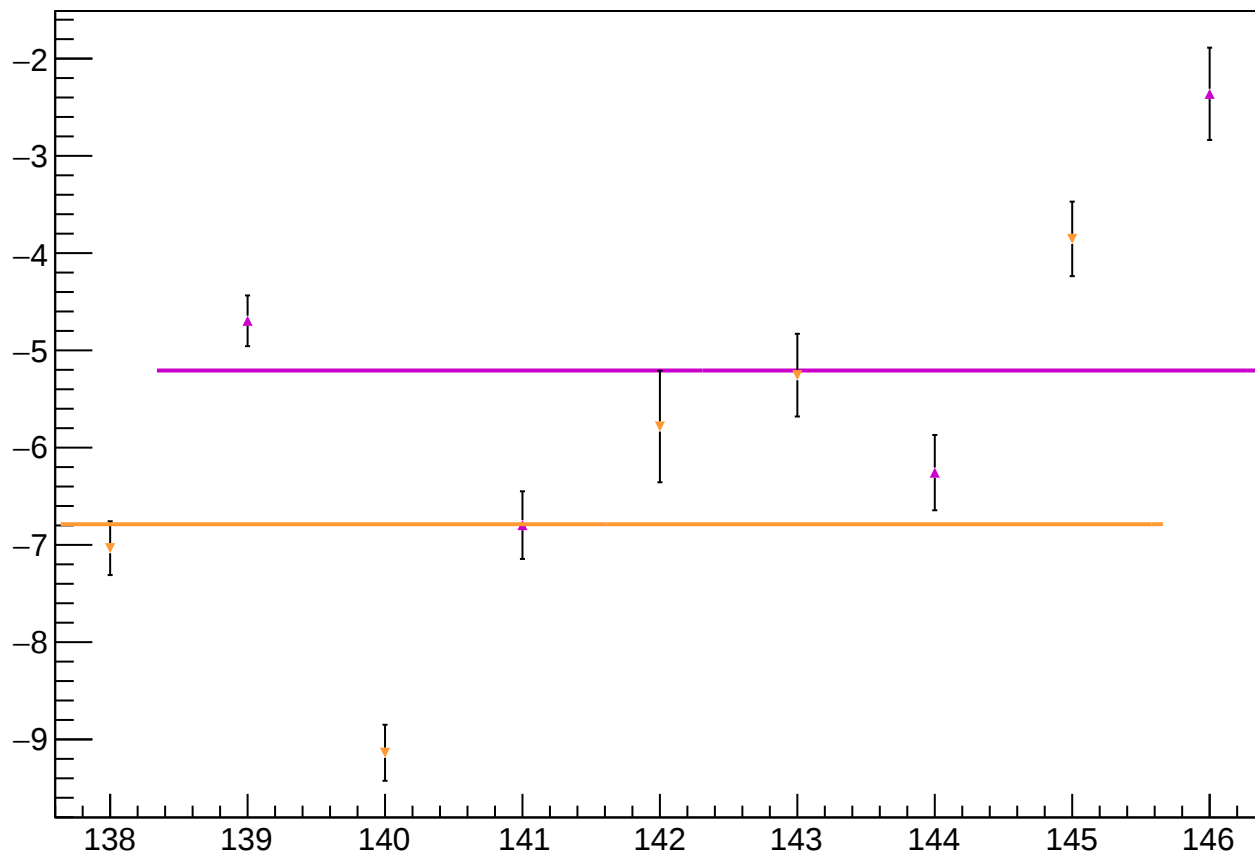
Right Out: 952.057+/-0.256 χ^2/NDF : 382334.5/19

Left In: 493.033+/-0.199 χ^2/NDF : 240580.4/3

661.001+/-0.158 χ^2/NDF : 2325112.0/21

665.520+/-0.157 χ^2/NDF : 2627353.2/23

reg_asym_sam1_diff_bpm1X_slope vs Slug



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

Left Out: -6.788+/-0.157 χ^2/NDF : 142.0/4

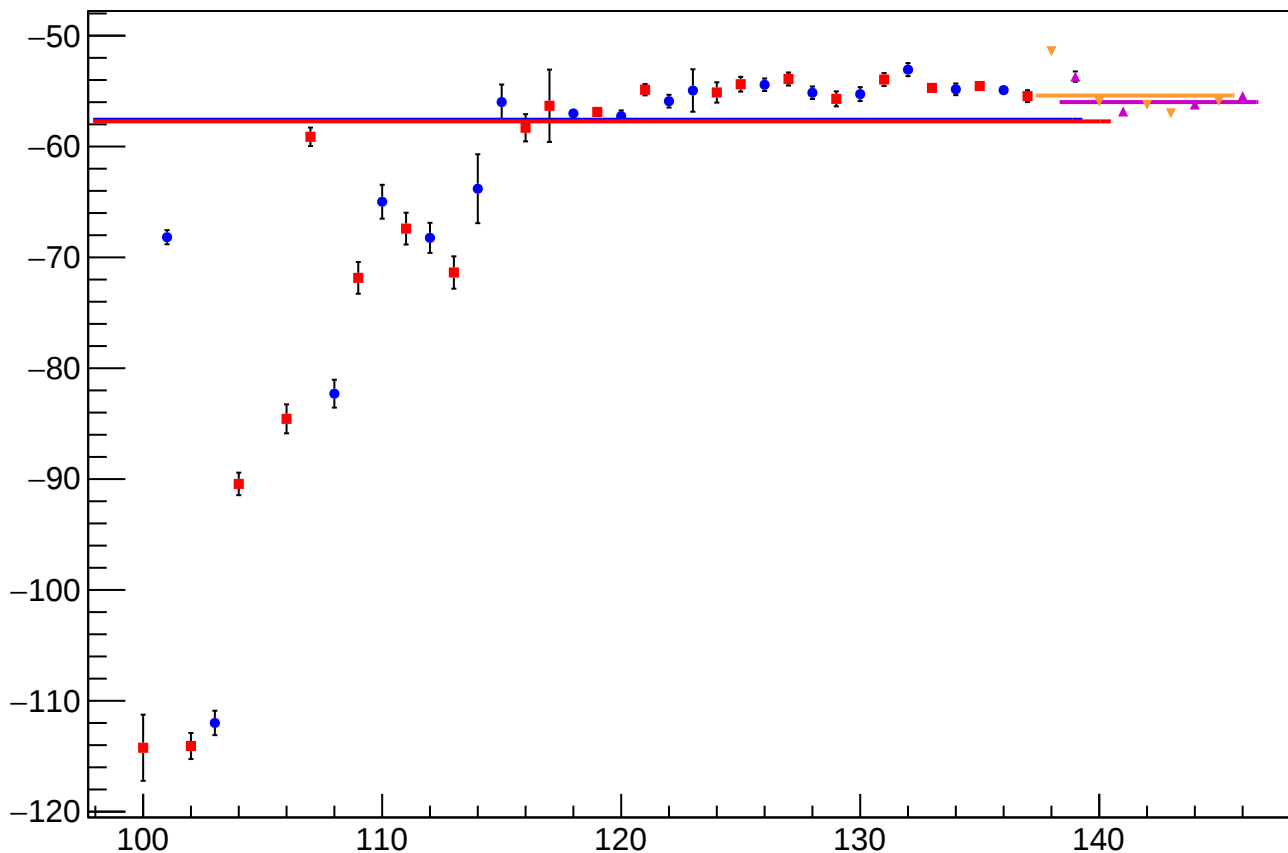
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -5.207+/-0.171 χ^2/NDF : 68.0/3

-6.788+/-0.157 χ^2/NDF : 142.0/4

-5.207+/-0.171 χ^2/NDF : 68.0/3

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -55.401 ± 0.134 χ^2/NDF : 195.5/4

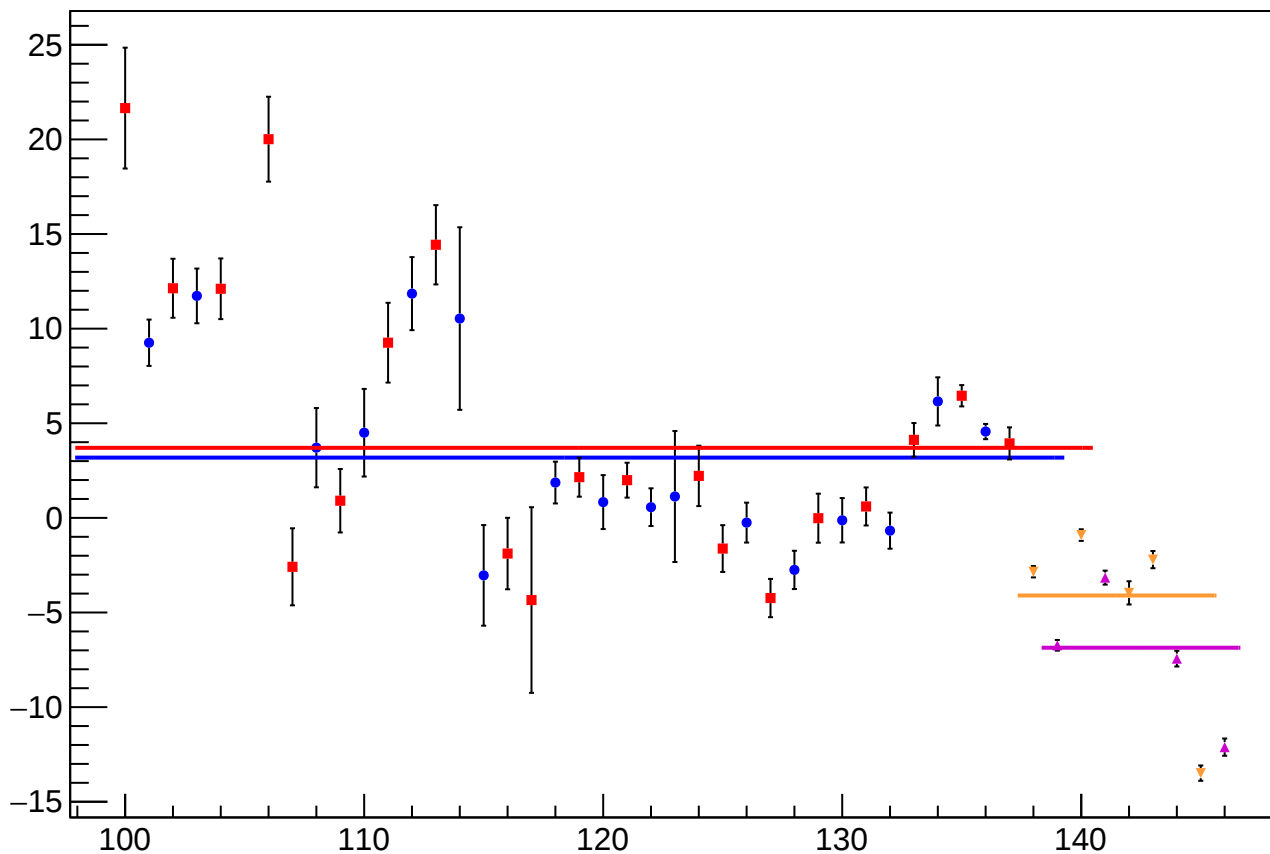
Right Out: -57.730 ± 0.143 χ^2/NDF : 4698.7/19

Left In: -55.990 ± 0.151 χ^2/NDF : 39.2/3

-56.423 ± 0.098 χ^2/NDF : 3774.3/21

-56.909 ± 0.104 χ^2/NDF : 4807.9/23

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 $\pm$ 0.259 χ^2 /NDF: 185.8/16

Left Out: -4.101 $\pm$ 0.168 χ^2 /NDF: 682.0/4

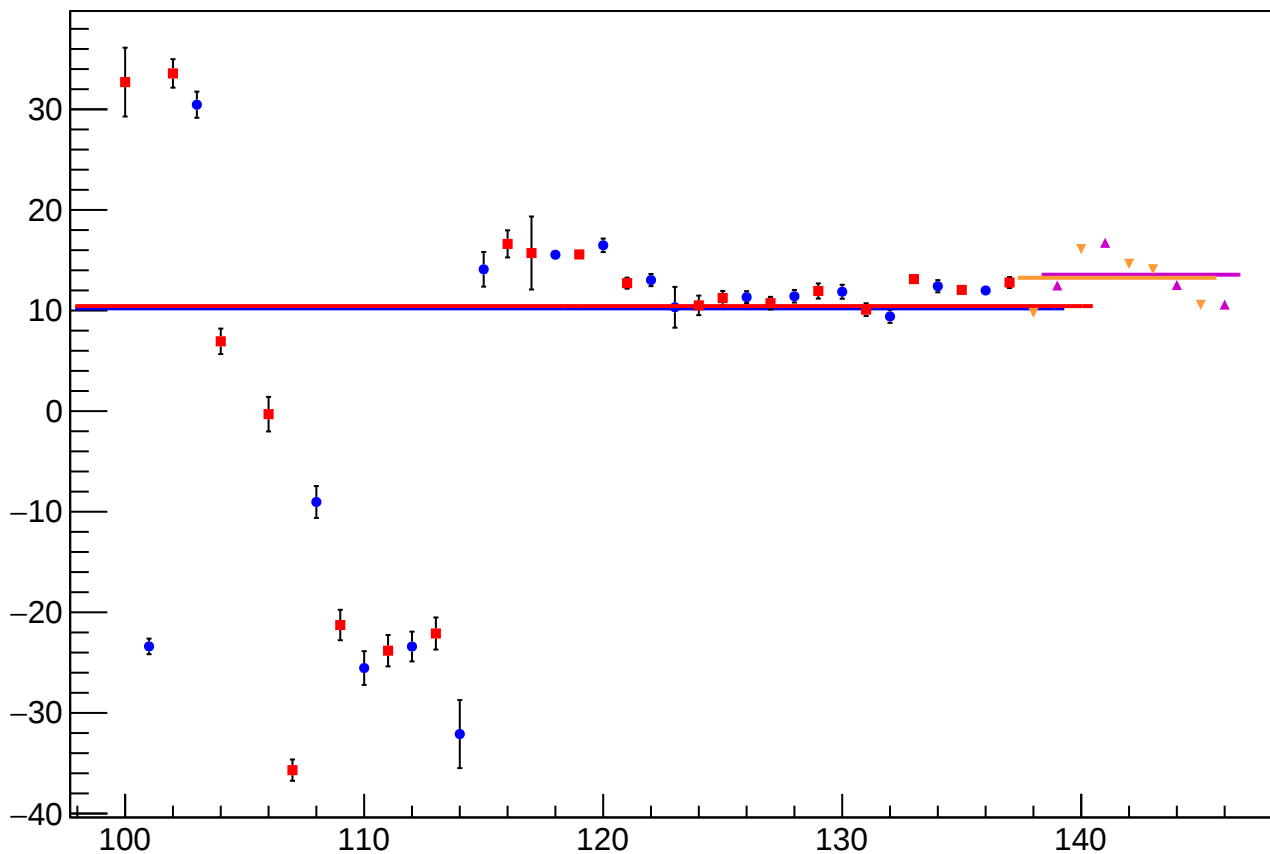
Right Out: 3.702 $\pm$ 0.267 χ^2 /NDF: 326.8/19

Left In: -6.861 $\pm$ 0.181 χ^2 /NDF: 235.4/3

-1.939 $\pm$ 0.141 χ^2 /NDF: 1424.5/21

-3.534 $\pm$ 0.150 χ^2 /NDF: 1633.3/23

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215+/-0.158 χ^2 /NDF: 3692.6/16

Left Out: 13.255+/-0.157 χ^2 /NDF:264.4/4

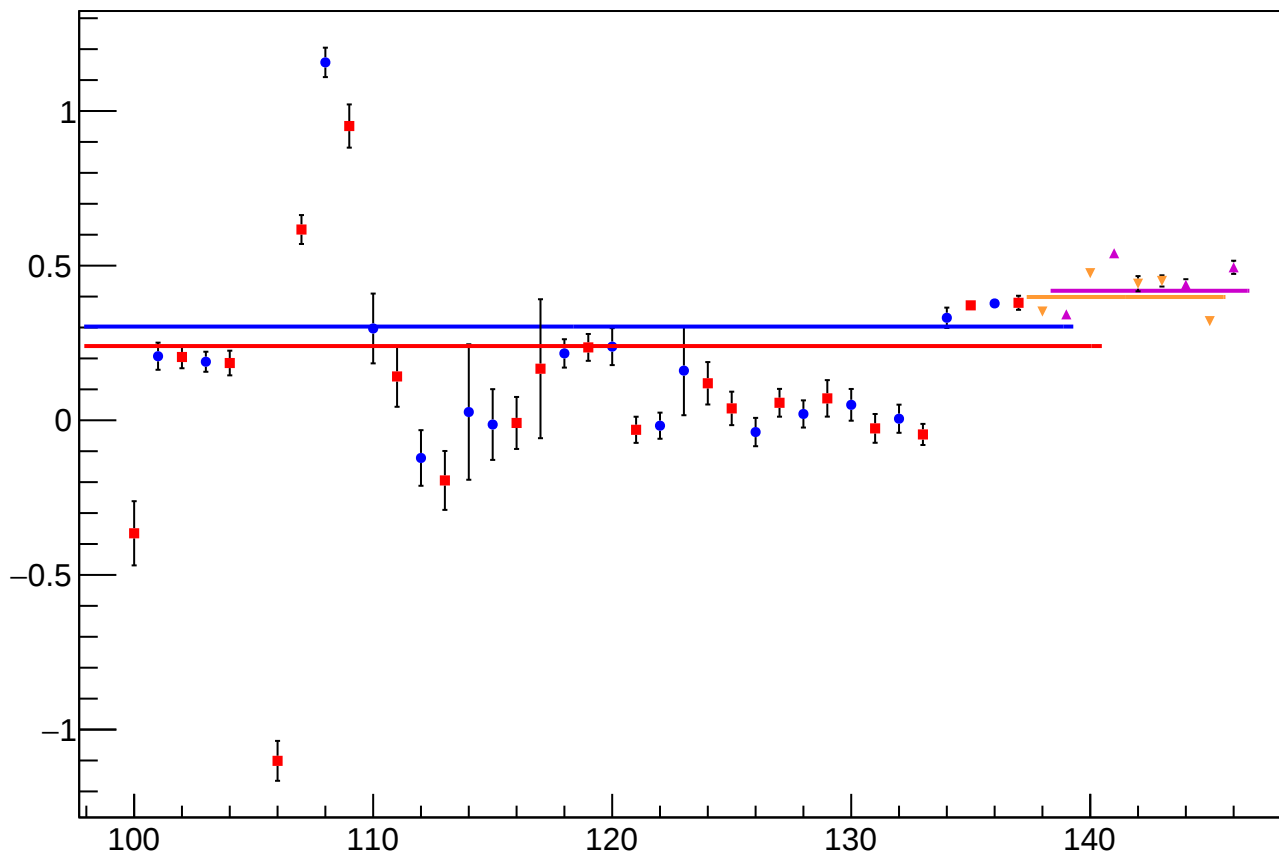
Right Out: 10.440+/-0.160 χ^2 /NDF: 3829.1/19

Left In: 13.559+/-0.176 χ^2 /NDF:187.9/3

11.745+/-0.111 χ^2 /NDF: 4143.2/21

11.849+/-0.118 χ^2 /NDF: 4188.9/23

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.399 ± 0.007 χ^2/NDF : 85.7/4

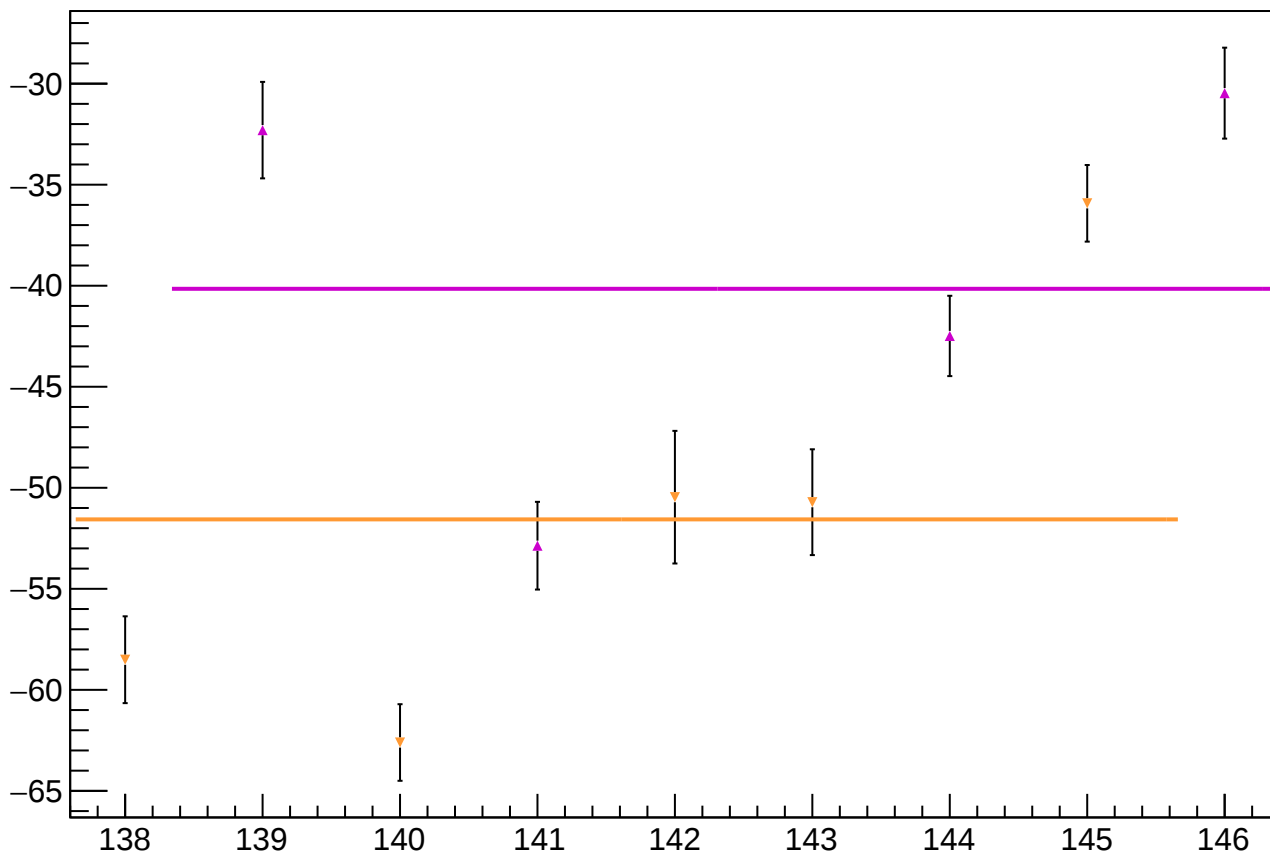
Right Out: 0.240 ± 0.009 χ^2/NDF : 984.5/19

Left In: 0.419 ± 0.007 χ^2/NDF : 139.6/3

0.360 ± 0.005 χ^2/NDF : 812.6/21

0.346 ± 0.005 χ^2/NDF : 1384.4/23

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -51.564+/-0.994 χ^2/NDF : 112.7/4

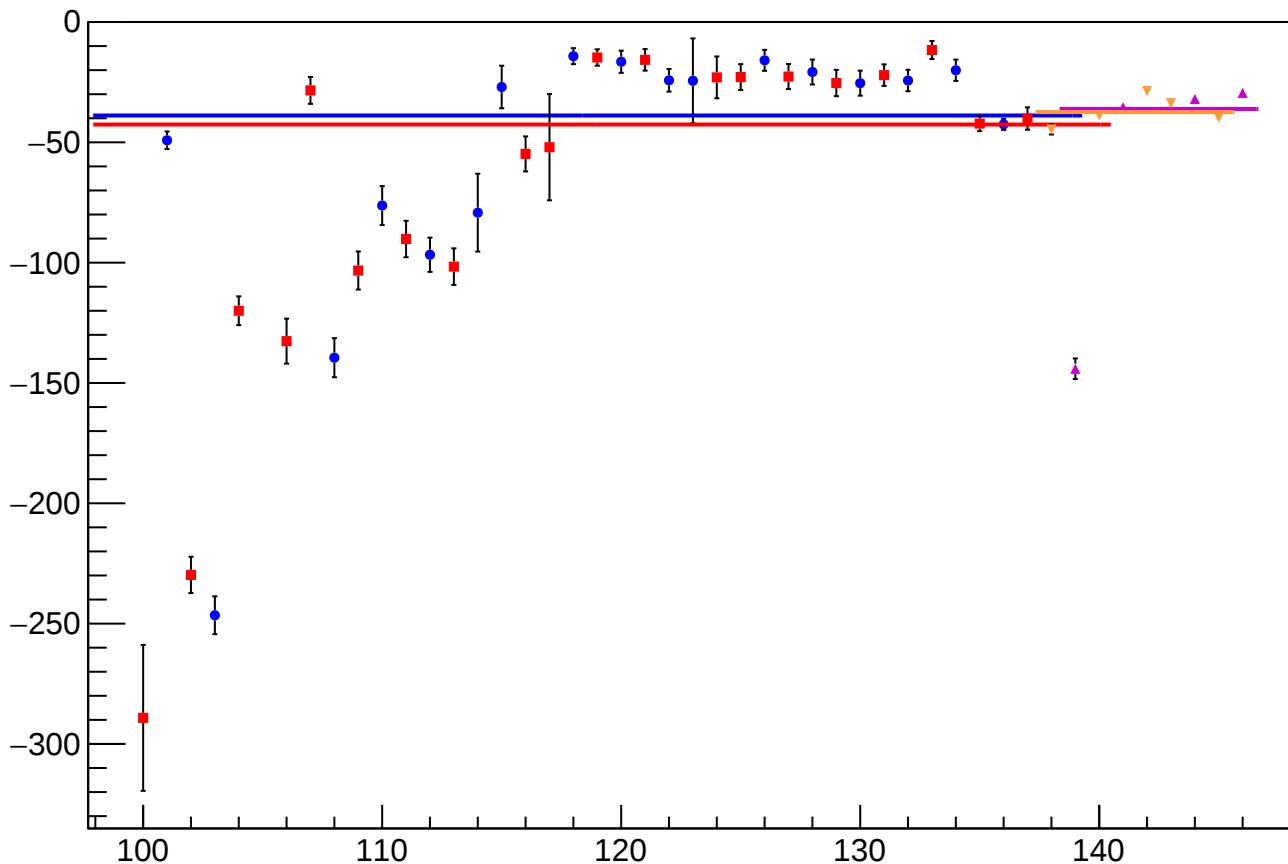
-51.564+/-0.994 χ^2/NDF : 112.7/4

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

-40.153+/-1.092 χ^2/NDF : 65.0/3

Left In: -40.153+/-1.092 χ^2/NDF : 65.0/3

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -37.418 ± 0.788 χ^2/NDF : 36.7/4

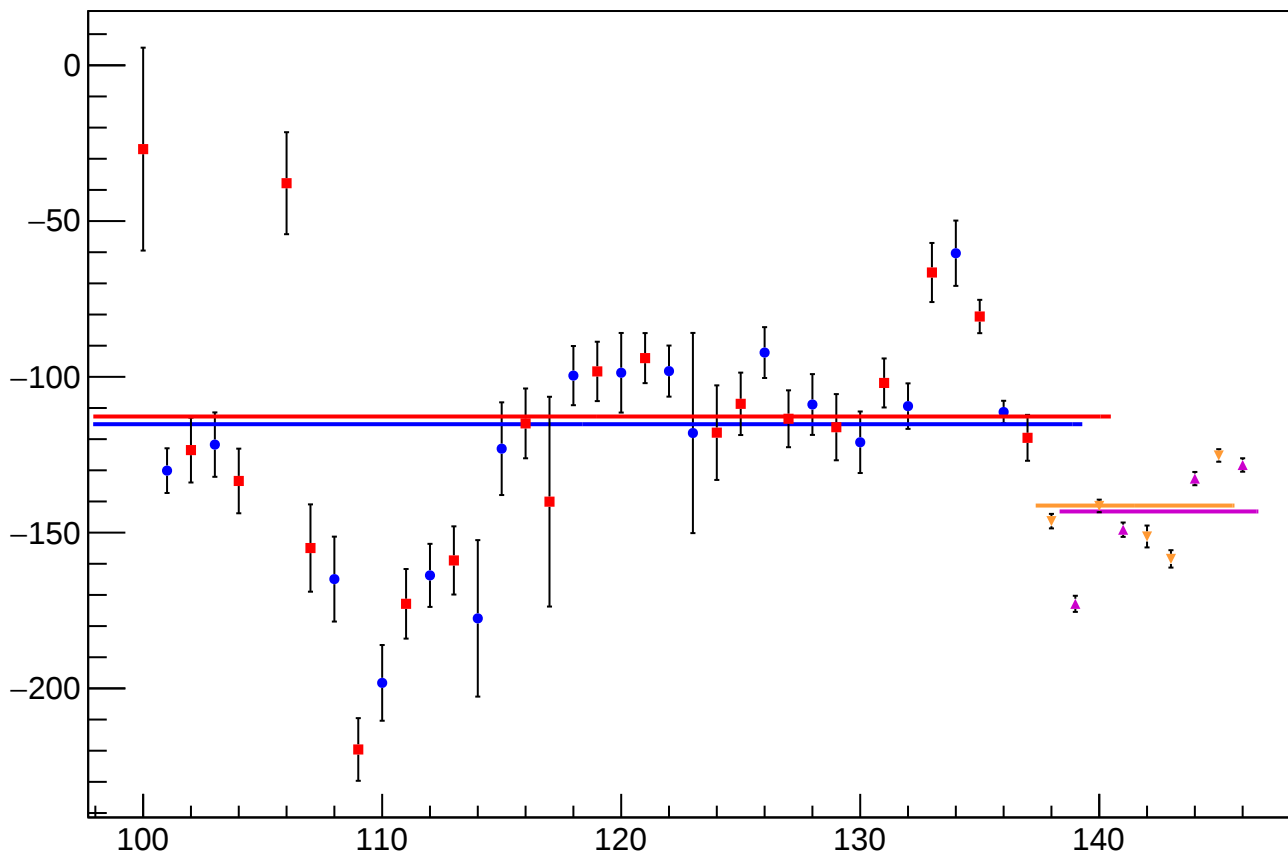
Right Out: -42.614 ± 1.208 χ^2/NDF : 1345.9/19

Left In: -36.143 ± 0.819 χ^2/NDF : 668.1/3

-37.874 ± 0.650 χ^2/NDF : 1159.6/21

-38.181 ± 0.678 χ^2/NDF : 2033.6/23

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -141.313 ± 1.063 $\chi^2/\text{NDF}: 113.6/4$

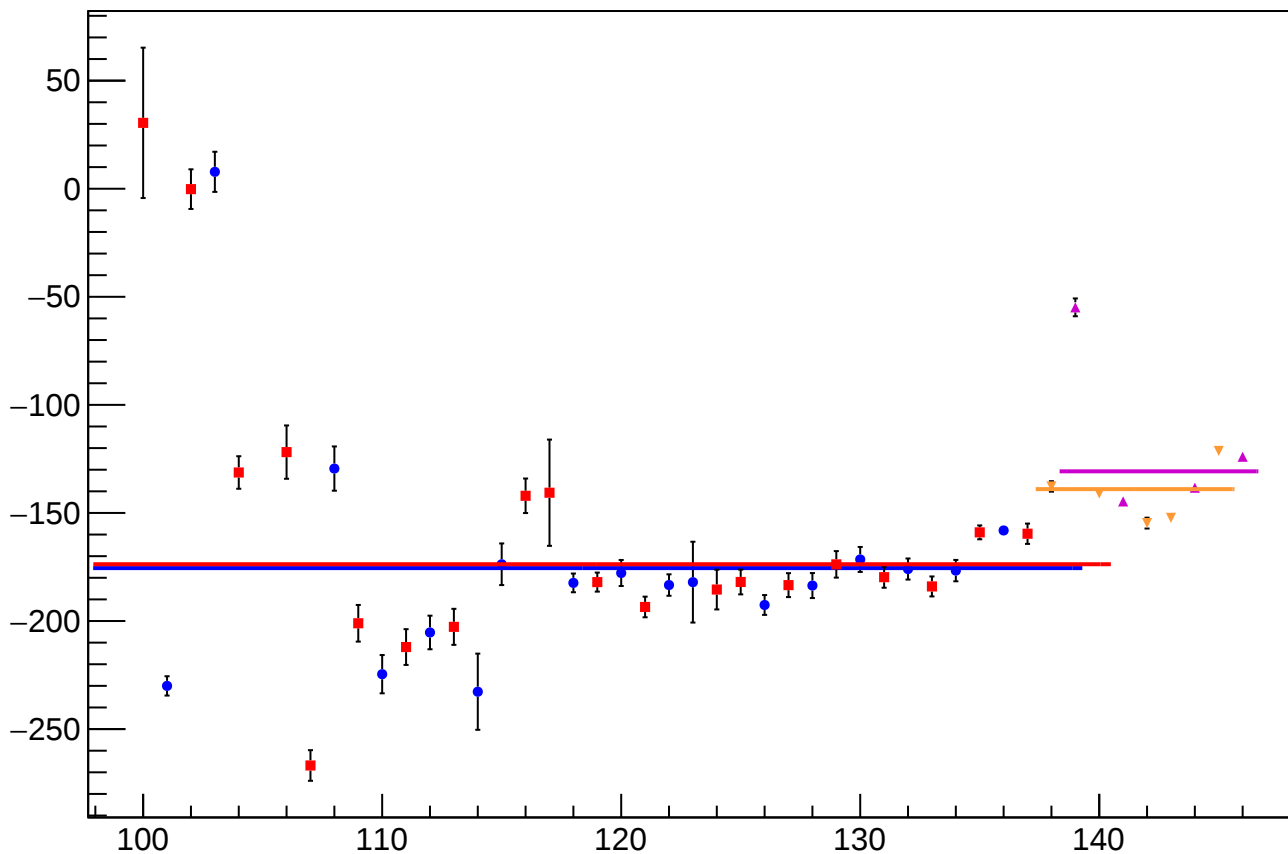
Right Out: -112.729 ± 2.205 $\chi^2/\text{NDF}: 273.1/19$

Left In: -143.209 ± 1.138 $\chi^2/\text{NDF}: 210.1/3$

-135.909 ± 0.947 $\chi^2/\text{NDF}: 379.2/21$

-136.798 ± 1.011 $\chi^2/\text{NDF}: 634.2/23$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -138.984 ± 0.933 χ^2/NDF : 178.5/4

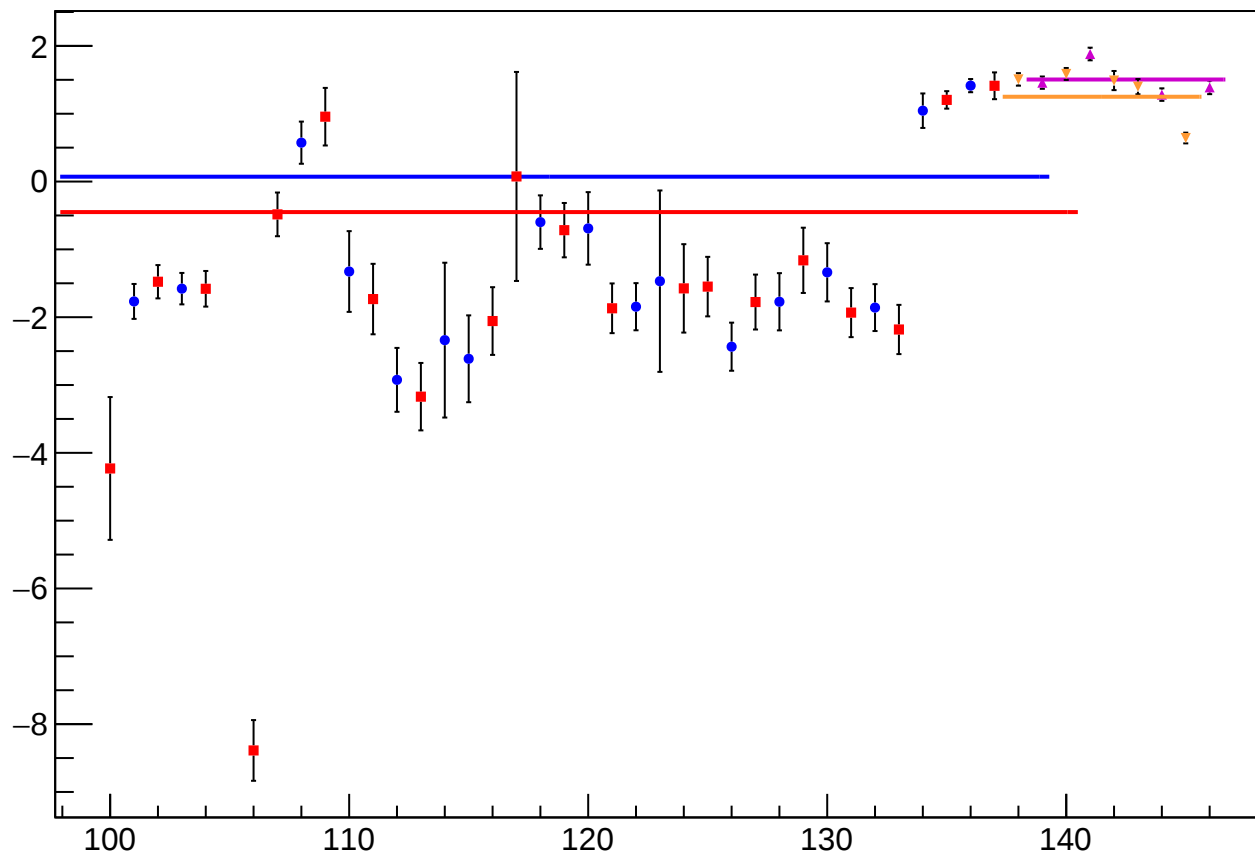
Right Out: -173.729 ± 1.354 χ^2/NDF : 739.7/19

Left In: -130.745 ± 0.985 χ^2/NDF : 430.3/3

-151.698 ± 0.753 χ^2/NDF : 1404.5/21

-145.621 ± 0.797 χ^2/NDF : 1828.6/23

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.250 ± 0.043 χ^2/NDF : 86.1/4

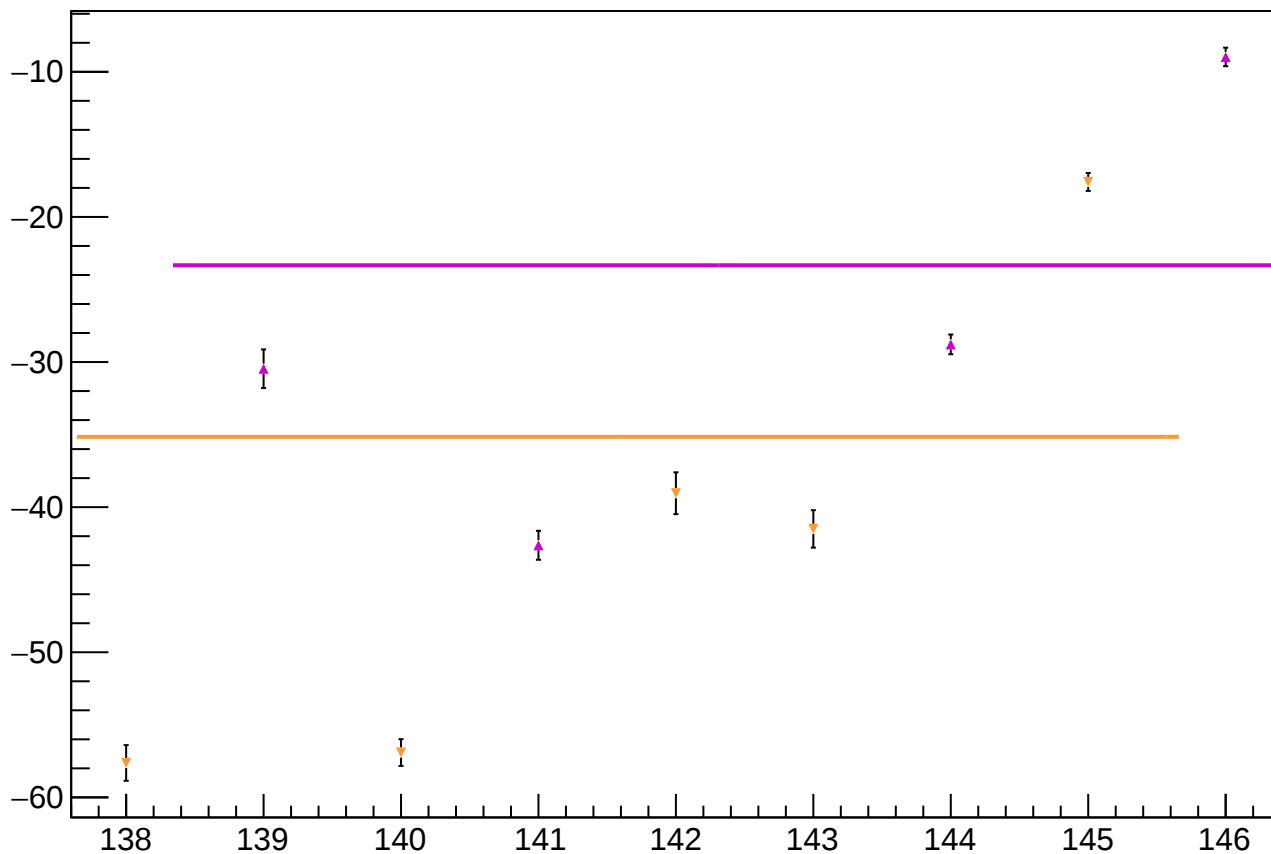
Right Out: -0.450 ± 0.071 χ^2/NDF : 751.4/19

Left In: 1.505 ± 0.047 χ^2/NDF : 23.6/3

0.905 ± 0.036 χ^2/NDF : 829.3/21

0.912 ± 0.039 χ^2/NDF : 1299.4/23

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -35.152+/-0.425 χ^2/NDF : 1731.8/4

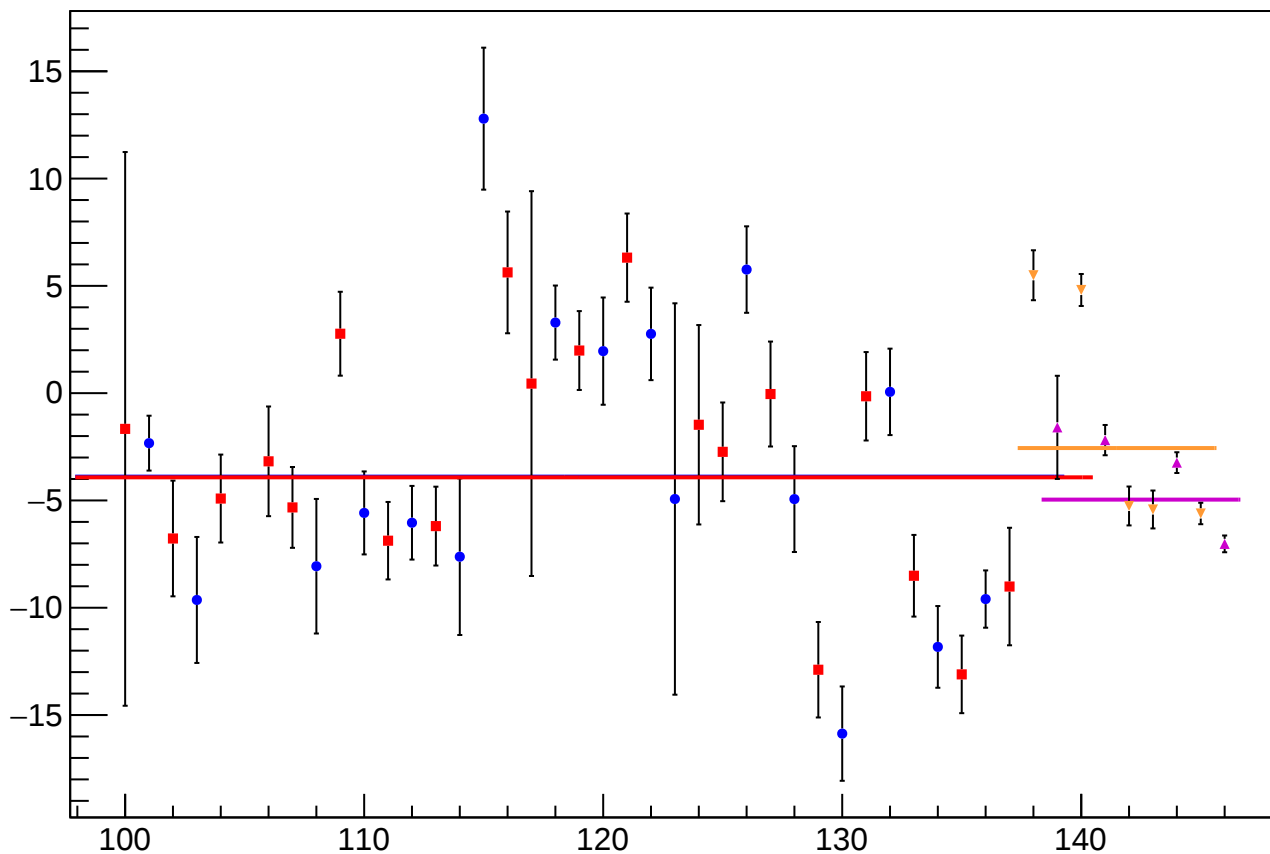
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -23.331+/-0.402 χ^2/NDF : 972.2/3

-35.152+/-0.425 χ^2/NDF : 1731.8/4

-23.331+/-0.402 χ^2/NDF : 972.2/3

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

-2.968 ± 0.277 $\chi^2/\text{NDF}: 367.7/21$

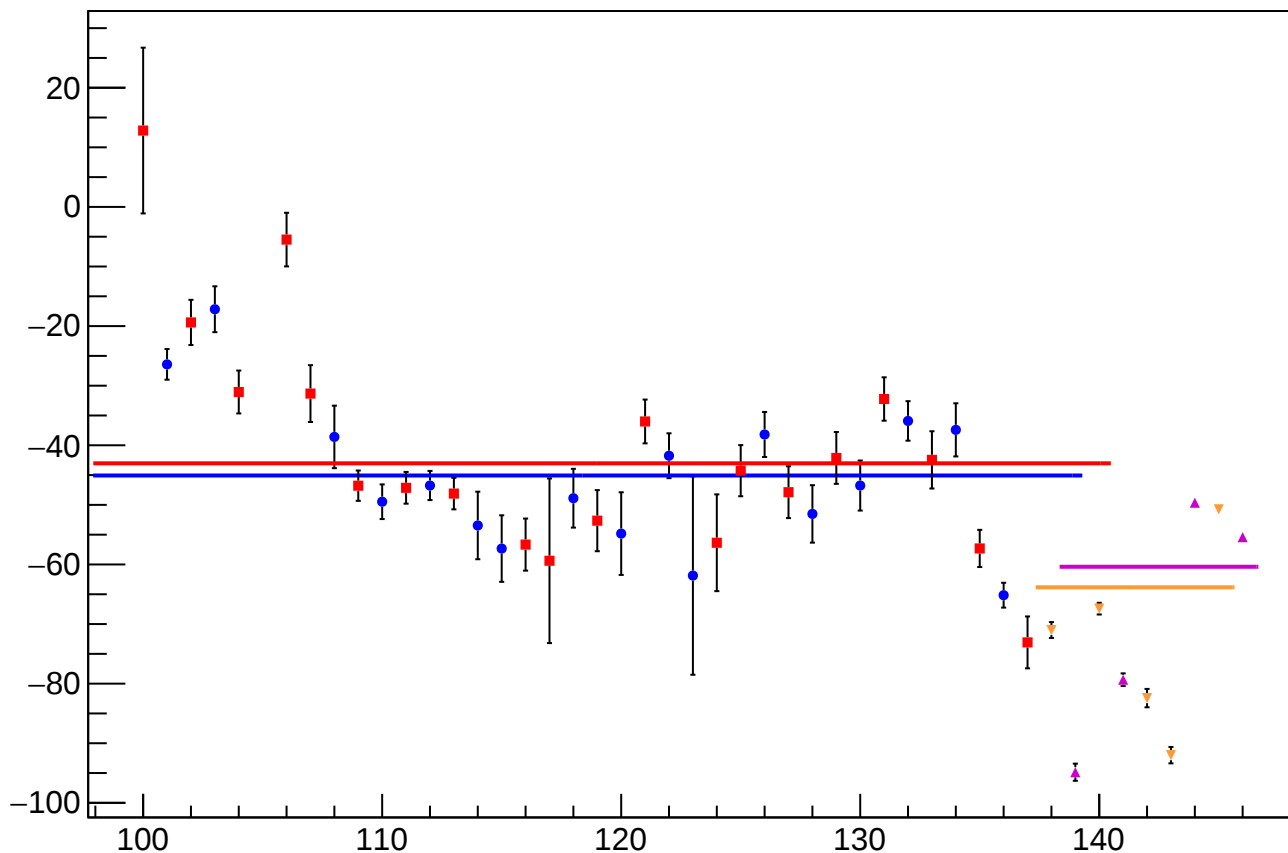
Left Out: -2.558 ± 0.332 $\chi^2/\text{NDF}: 202.2/4$

Right Out: -3.923 ± 0.506 $\chi^2/\text{NDF}: 122.4/19$

-4.722 ± 0.243 $\chi^2/\text{NDF}: 183.6/23$

Left In: -4.961 ± 0.277 $\chi^2/\text{NDF}: 58.0/3$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 $\chi^2/\text{NDF}: 229.7/16$

Left Out: -63.827 ± 0.453 $\chi^2/\text{NDF}: 1004.4/4$

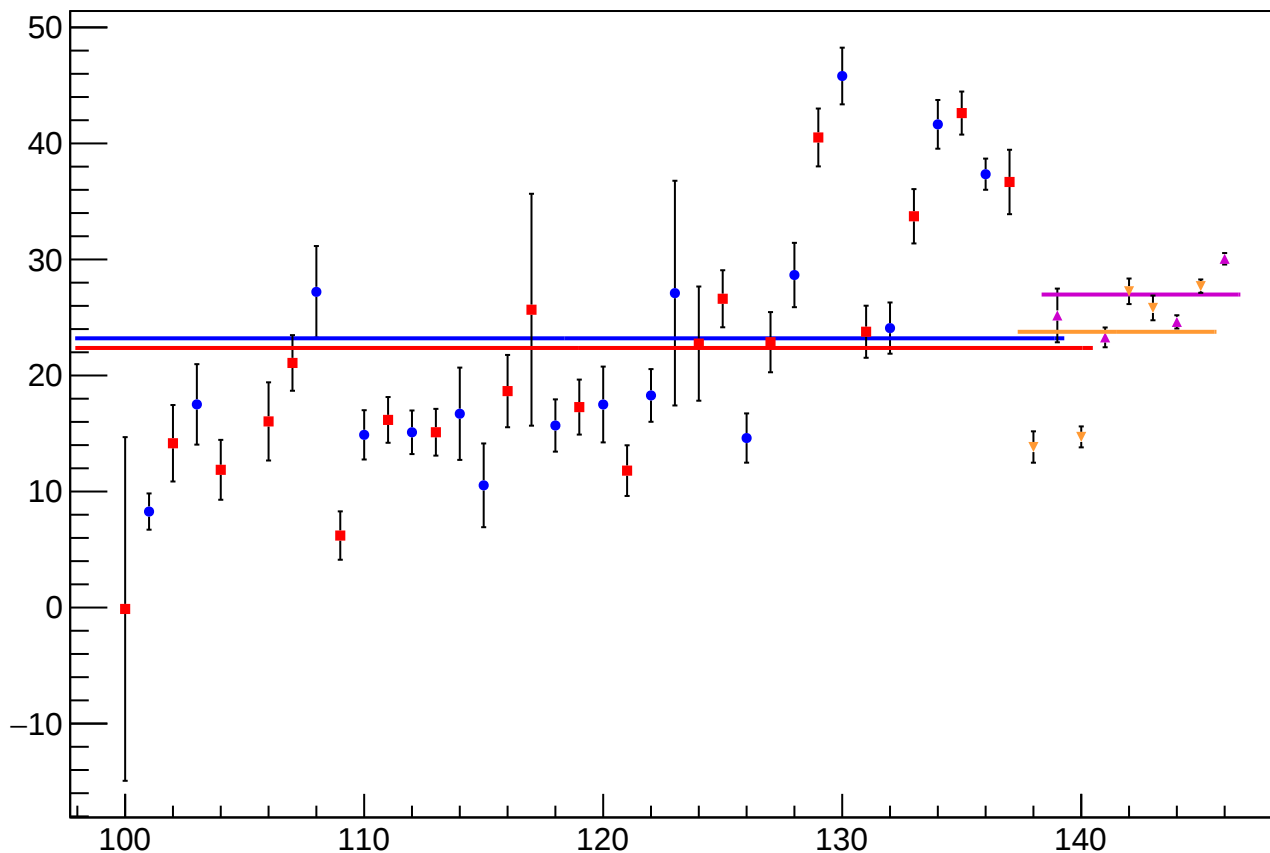
Right Out: -43.025 ± 0.876 $\chi^2/\text{NDF}: 249.7/19$

Left In: -60.384 ± 0.411 $\chi^2/\text{NDF}: 1175.9/3$

-59.923 ± 0.403 $\chi^2/\text{NDF}: 1591.2/21$

-57.250 ± 0.372 $\chi^2/\text{NDF}: 1747.4/23$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 23.765 $\pm$ 0.392 χ^2 /NDF: 215.1/4

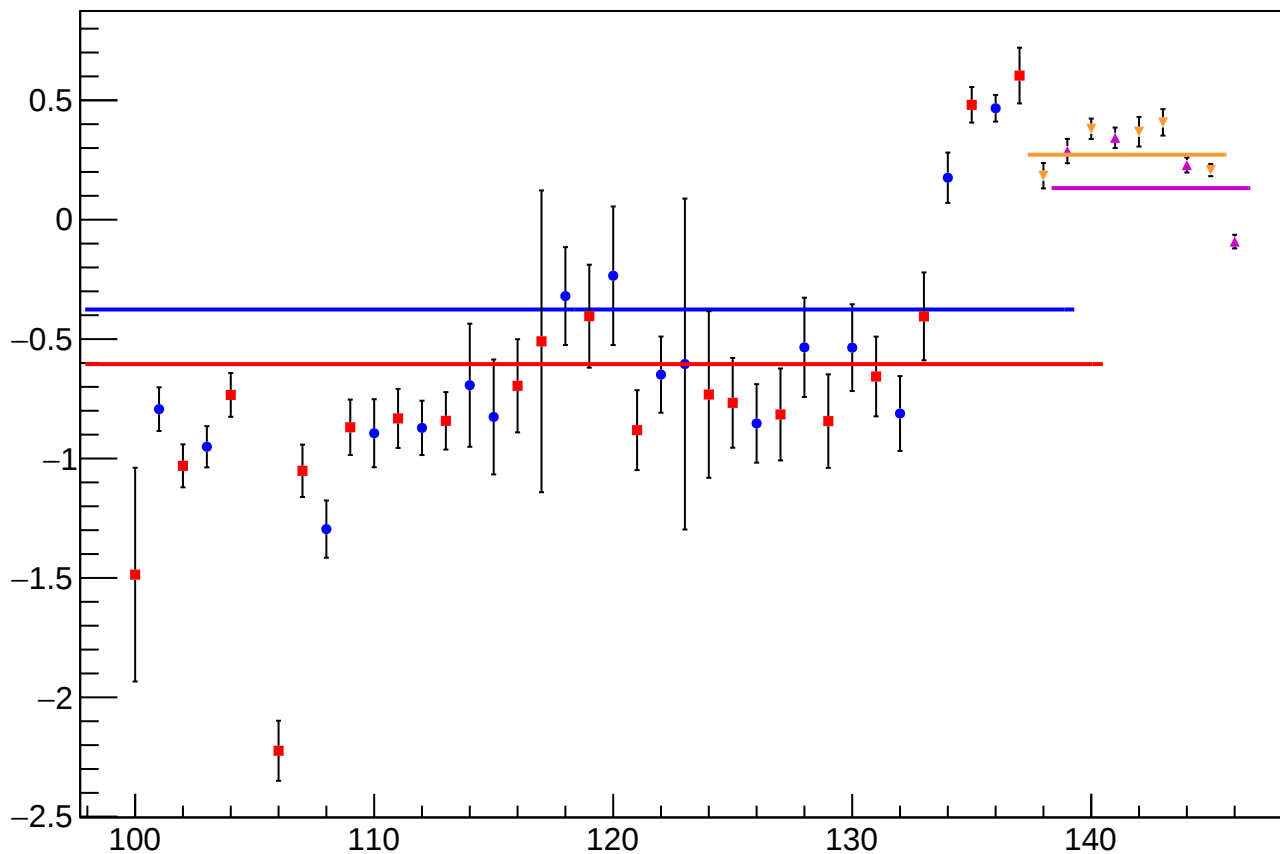
Right Out: 22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

Left In: 26.977 $\pm$ 0.339 χ^2 /NDF: 75.0/3

23.580 $\pm$ 0.321 χ^2 /NDF: 673.0/21

25.777 $\pm$ 0.292 χ^2 /NDF: 490.0/23

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.272 ± 0.018 $\chi^2/\text{NDF}: 23.8/4$

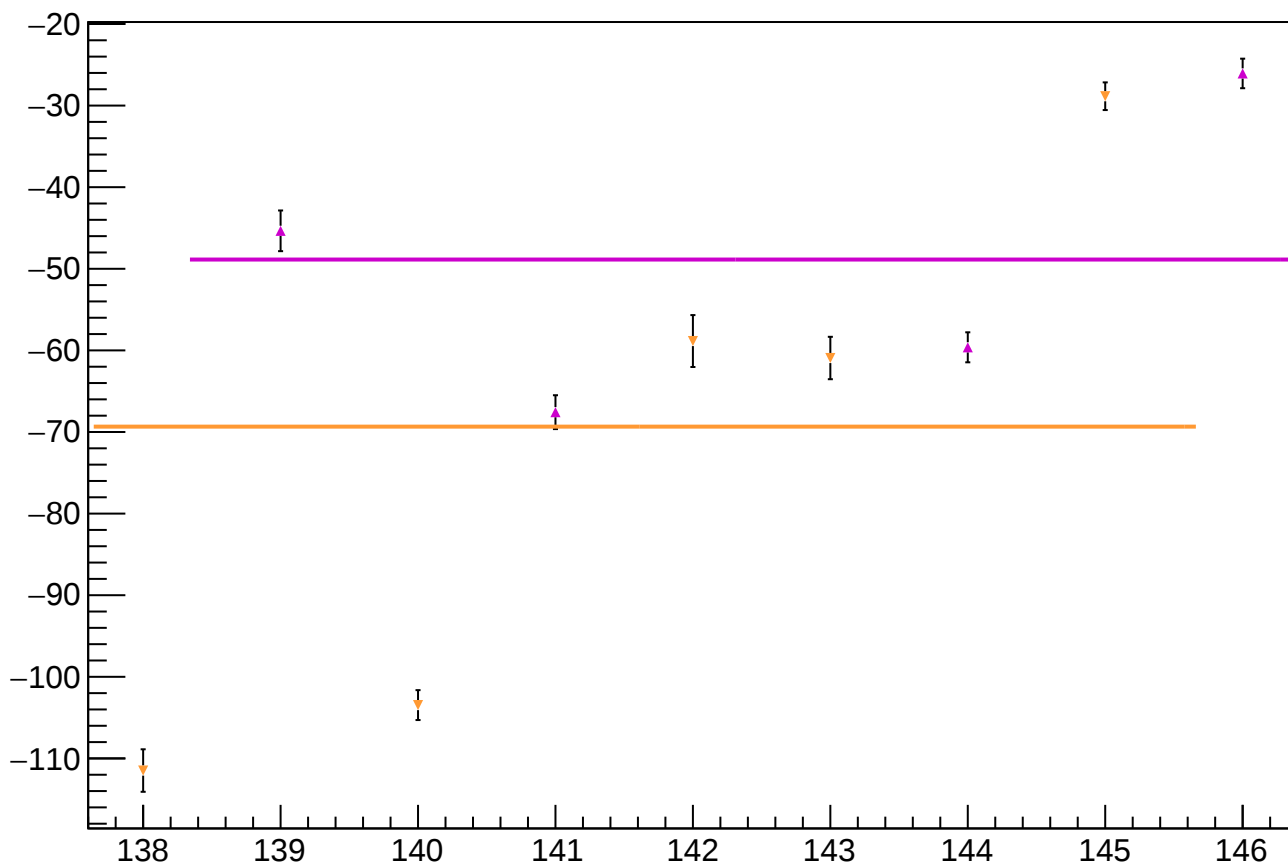
Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

Left In: 0.132 ± 0.018 $\chi^2/\text{NDF}: 103.9/3$

0.098 ± 0.016 $\chi^2/\text{NDF}: 799.6/21$

-0.057 ± 0.015 $\chi^2/\text{NDF}: 1097.6/23$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -69.342+/-0.980 χ^2/NDF : 1200.4/4

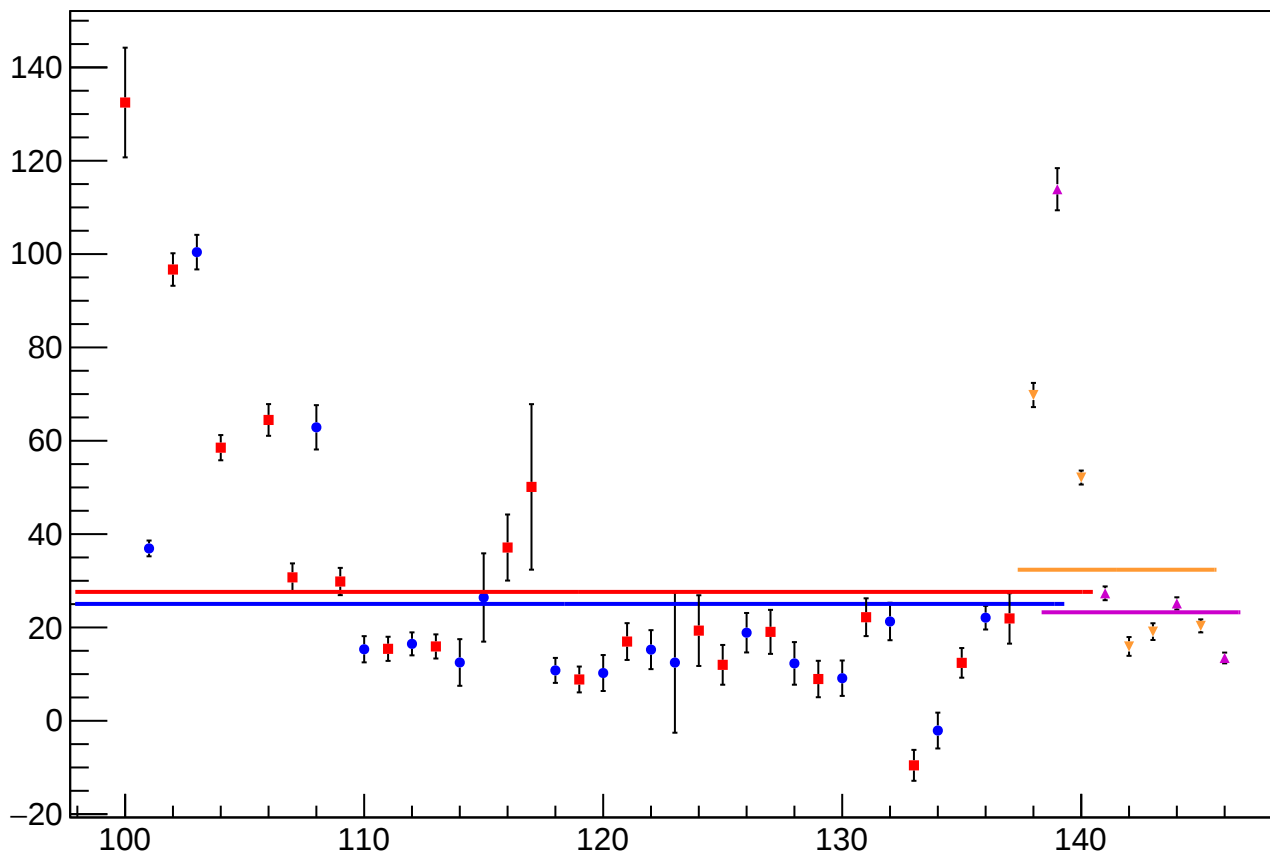
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -48.868+/-1.003 χ^2/NDF : 276.2/3

-69.342+/-0.980 χ^2/NDF : 1200.4/4

-48.868+/-1.003 χ^2/NDF : 276.2/3

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 ± 0.806 $\chi^2/\text{NDF}: 686.4/16$

Left Out: 32.370 ± 0.775 $\chi^2/\text{NDF}: 577.7/4$

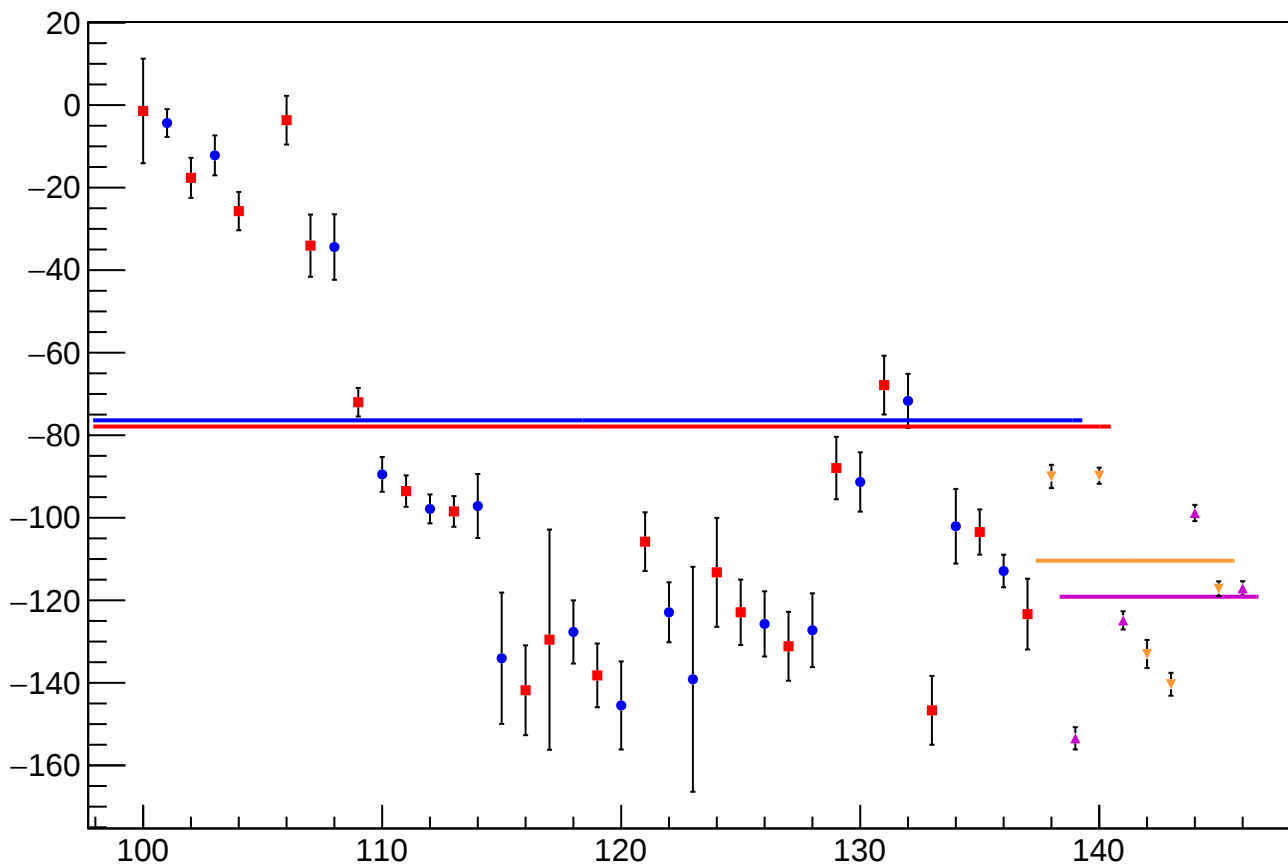
Right Out: 27.620 ± 0.809 $\chi^2/\text{NDF}: 1014.4/19$

Left In: 23.251 ± 0.737 $\chi^2/\text{NDF}: 484.9/3$

28.852 ± 0.559 $\chi^2/\text{NDF}: 1307.1/21$

25.233 ± 0.545 $\chi^2/\text{NDF}: 1515.2/23$

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 $\pm$ 1.416 χ^2/NDF : 1031.9/16

Left Out: -110.397 $\pm$ 1.045 χ^2/NDF : 338.6/4

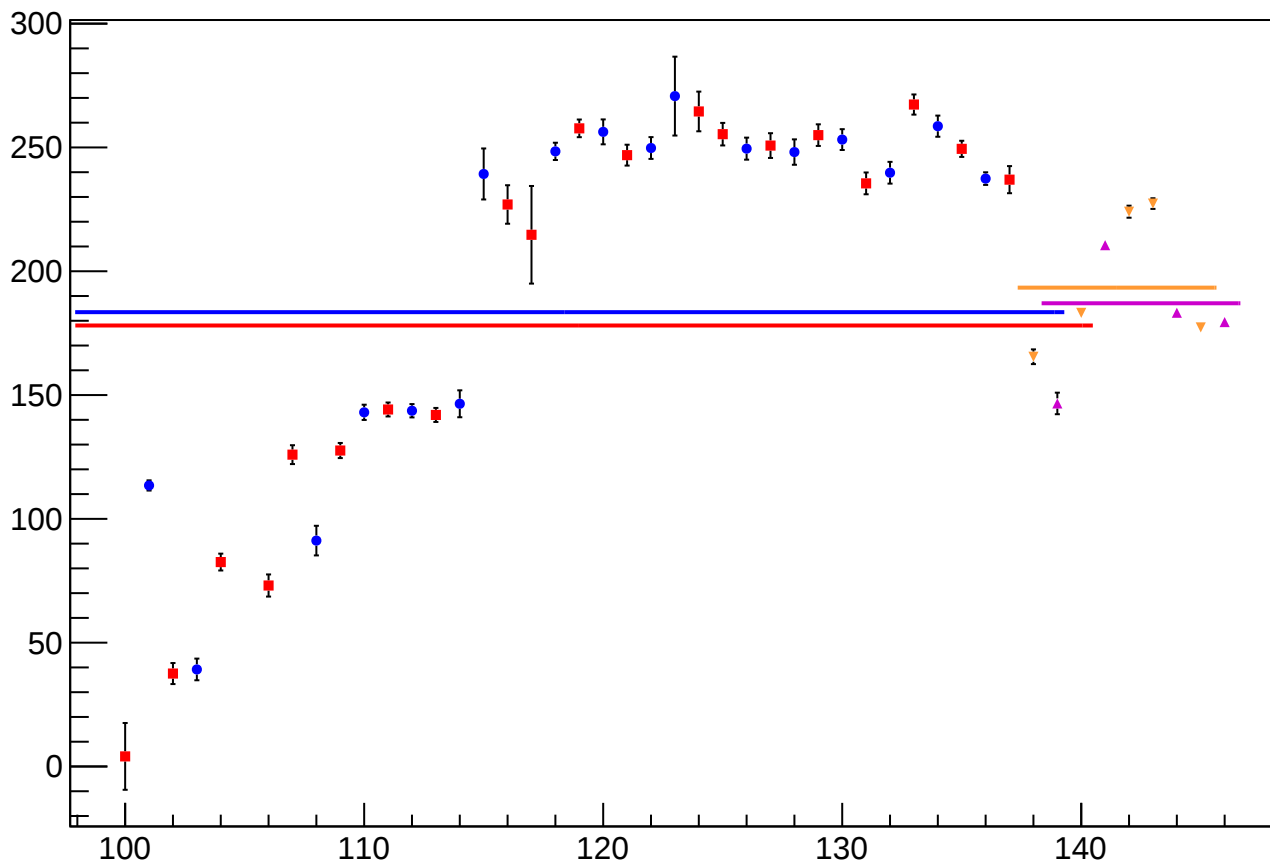
Right Out: -77.894 $\pm$ 1.351 χ^2/NDF : 876.4/19

Left In: -119.138 $\pm$ 1.036 χ^2/NDF : 276.2/3

-98.409 $\pm$ 0.841 χ^2/NDF : 1743.9/21

-103.862 $\pm$ 0.822 χ^2/NDF : 1739.3/23

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2/NDF : 5331.4/16

Left Out: 193.381 $\pm$ 0.916 χ^2/NDF : 627.2/4

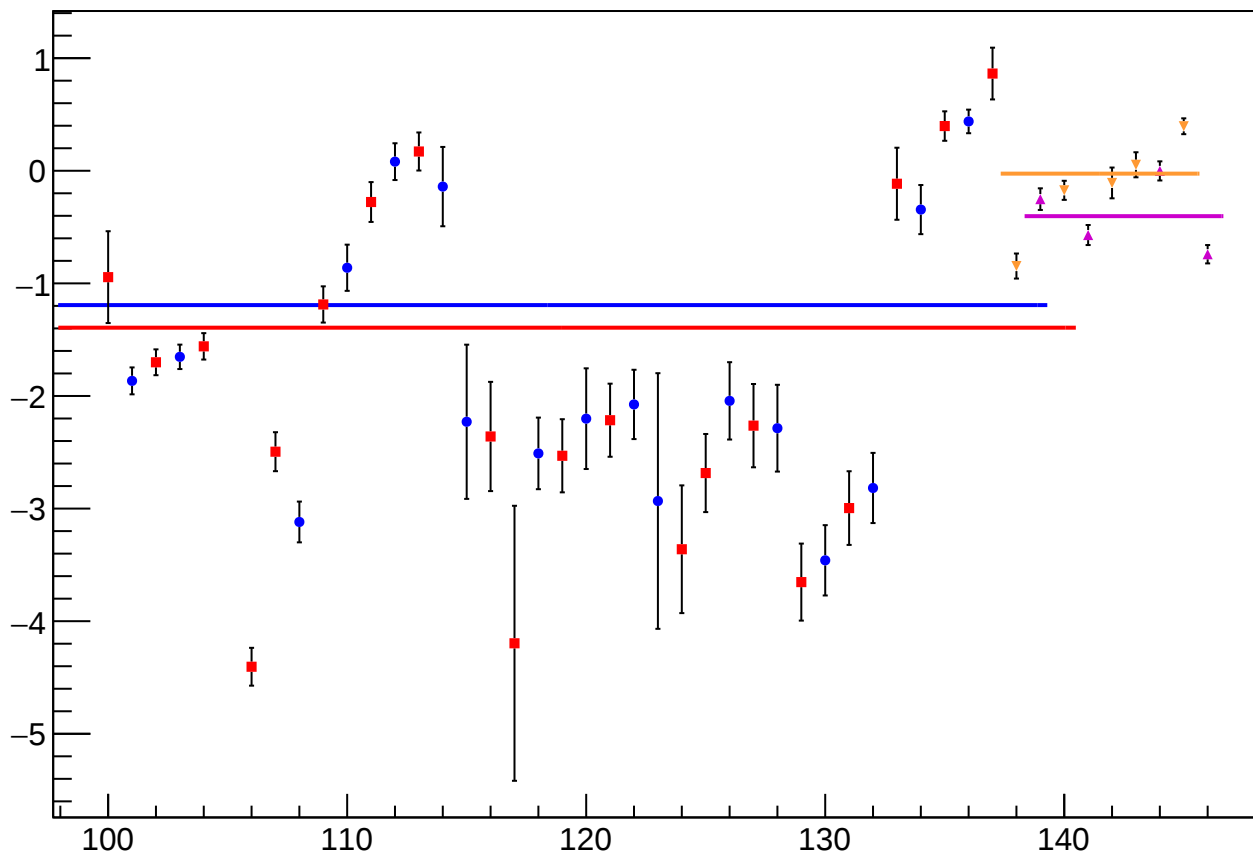
Right Out: 178.092 $\pm$ 0.923 χ^2/NDF : 6349.2/19

Left In: 187.067 $\pm$ 0.887 χ^2/NDF : 294.8/3

188.442 $\pm$ 0.649 χ^2/NDF : 6016.9/21

182.755 $\pm$ 0.640 χ^2/NDF : 6693.1/23

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.025 ± 0.042 χ^2/NDF : 94.2/4

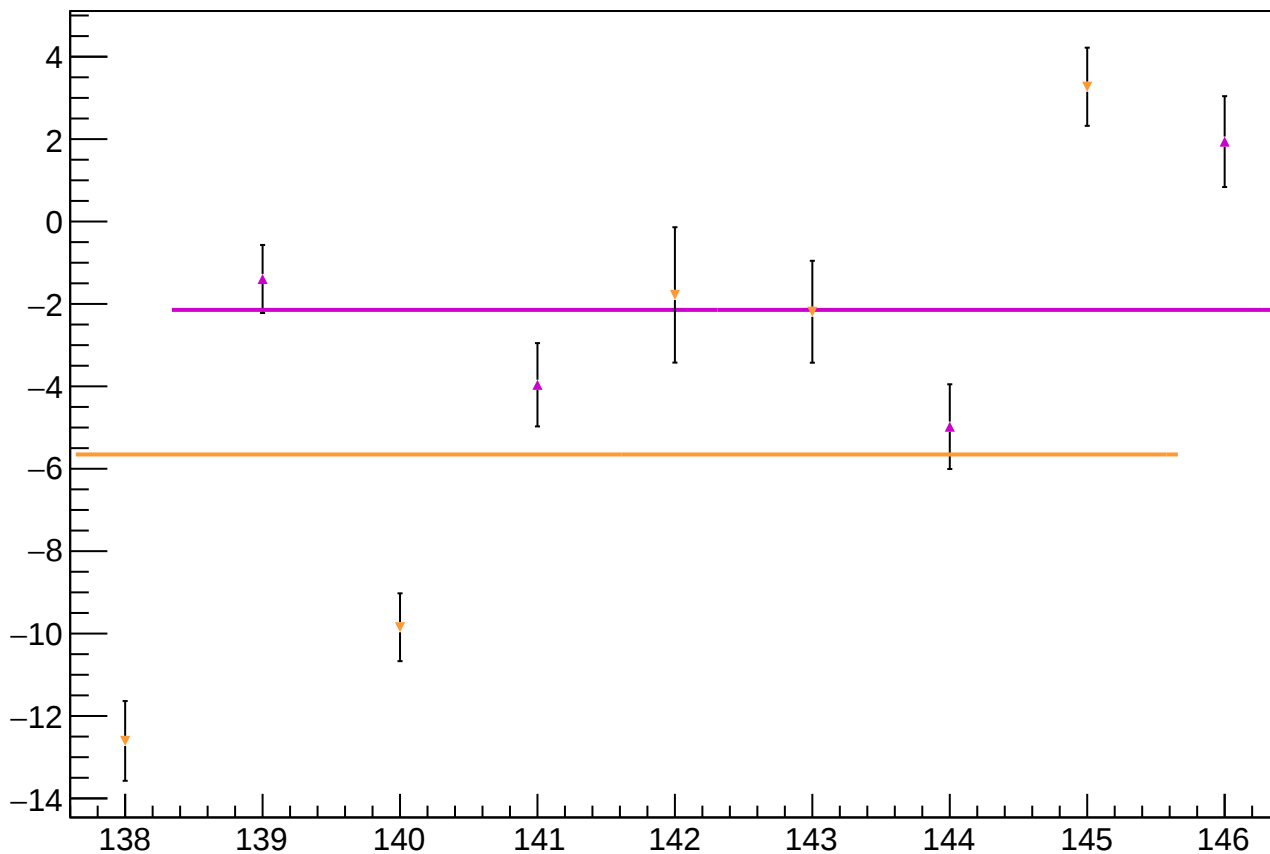
Right Out: -1.393 ± 0.046 χ^2/NDF : 925.8/19

Left In: -0.403 ± 0.044 χ^2/NDF : 45.6/3

-0.535 ± 0.032 χ^2/NDF : 1047.0/21

-0.875 ± 0.032 χ^2/NDF : 1216.4/23

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -5.653+/-0.462 χ^2/NDF : 179.5/4

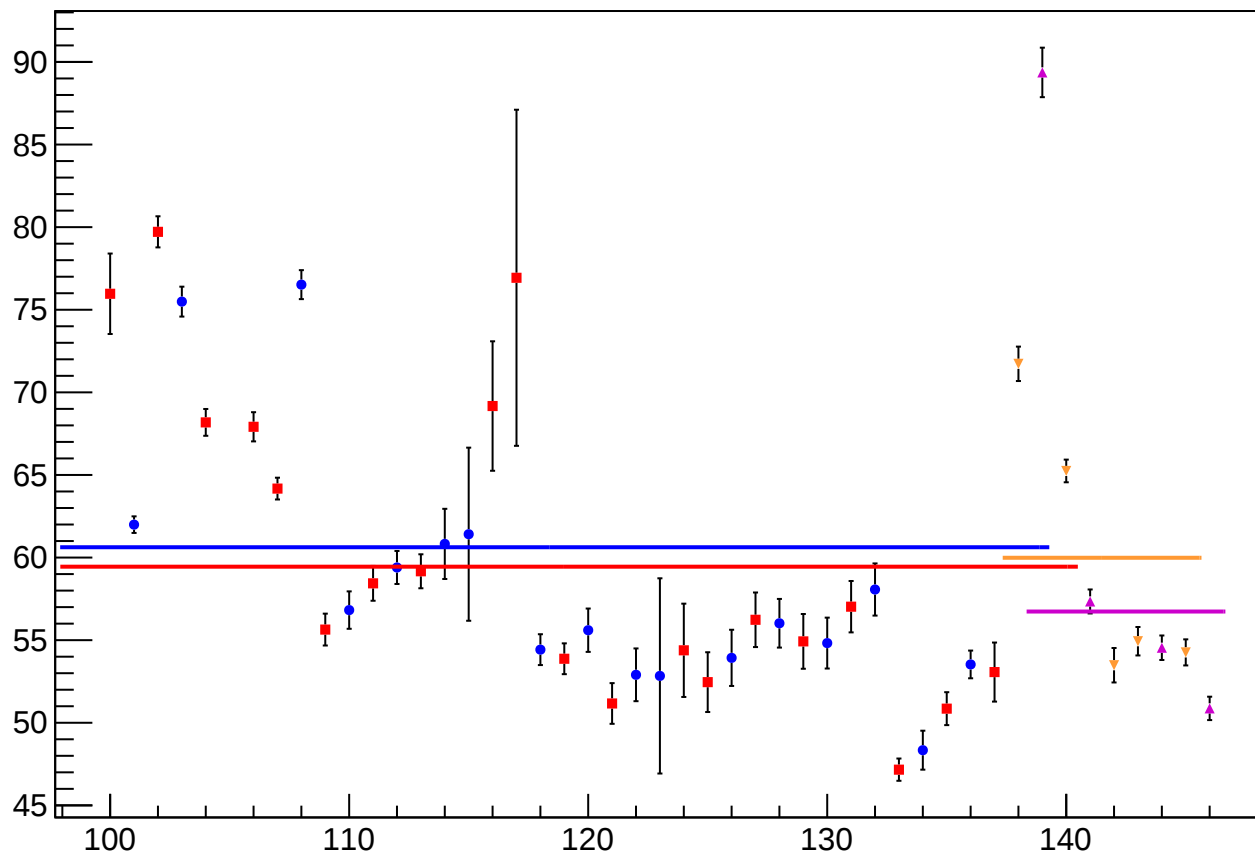
-5.653+/-0.462 χ^2/NDF : 179.5/4

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

-2.144+/-0.487 χ^2/NDF : 25.4/3

Left In: -2.144+/-0.487 χ^2/NDF : 25.4/3

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 59.988 $\pm$ 0.380 χ^2 /NDF: 311.7/4

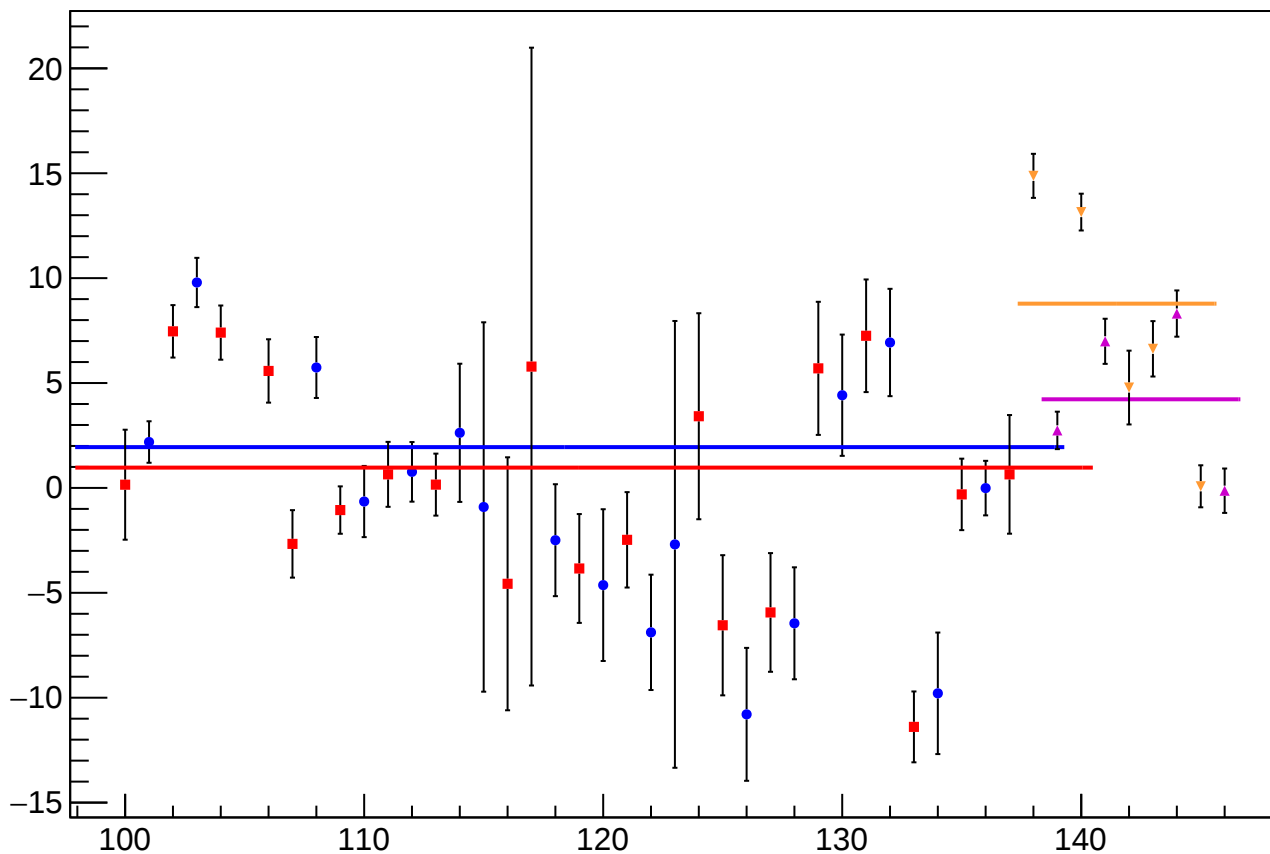
Right Out: 59.448 $\pm$ 0.248 χ^2 /NDF: 1326.3/19

Left In: 56.733 $\pm$ 0.403 χ^2 /NDF: 552.5/3

60.419 $\pm$ 0.216 χ^2 /NDF: 1238.2/21

58.703 $\pm$ 0.211 χ^2 /NDF: 1911.7/23

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 $\chi^2/\text{NDF}: 120.6/16$

Left Out: 8.783 ± 0.494 $\chi^2/\text{NDF}: 141.8/4$

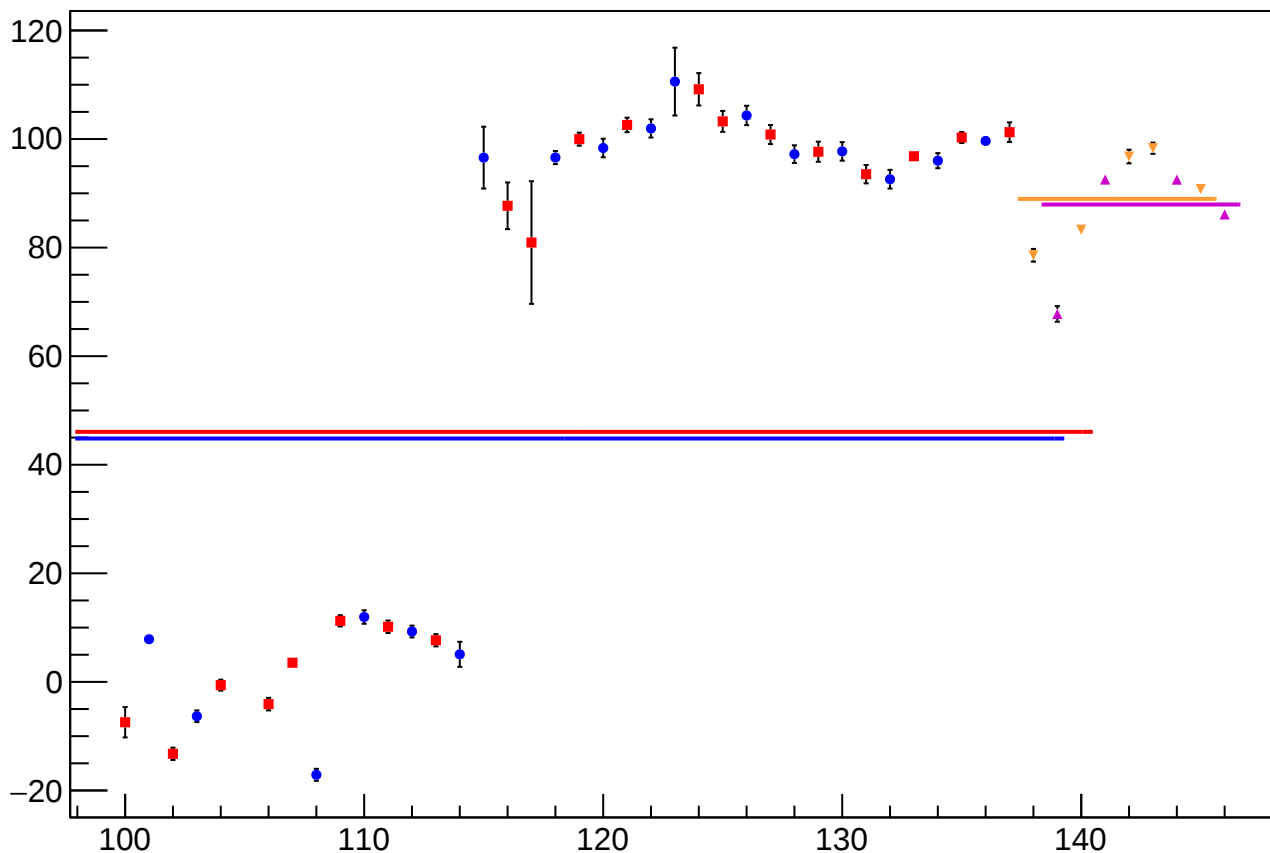
Right Out: 0.968 ± 0.424 $\chi^2/\text{NDF}: 149.6/19$

Left In: 4.224 ± 0.511 $\chi^2/\text{NDF}: 40.1/3$

5.114 ± 0.336 $\chi^2/\text{NDF}: 365.4/21$

2.298 ± 0.326 $\chi^2/\text{NDF}: 213.8/23$

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 88.971+/-0.447 χ^2/NDF :250.7/4

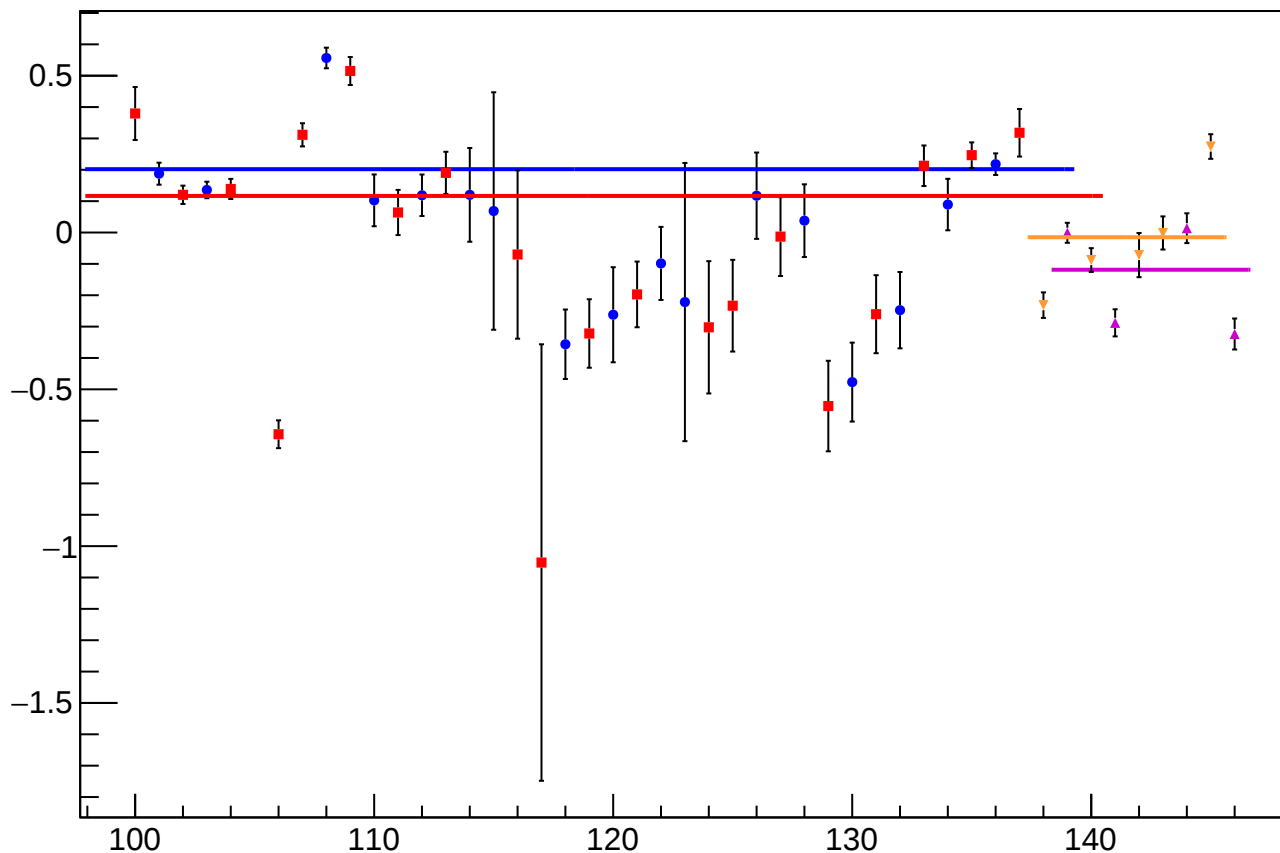
Right Out: 46.062+/-0.289 χ^2/NDF : 28272.9/19

Left In: 87.939+/-0.476 χ^2/NDF :254.9/3

58.817+/-0.252 χ^2/NDF : 31666.2/21

57.370+/-0.247 χ^2/NDF : 34182.4/23

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.015 ± 0.020 χ^2/NDF : 87.0/4

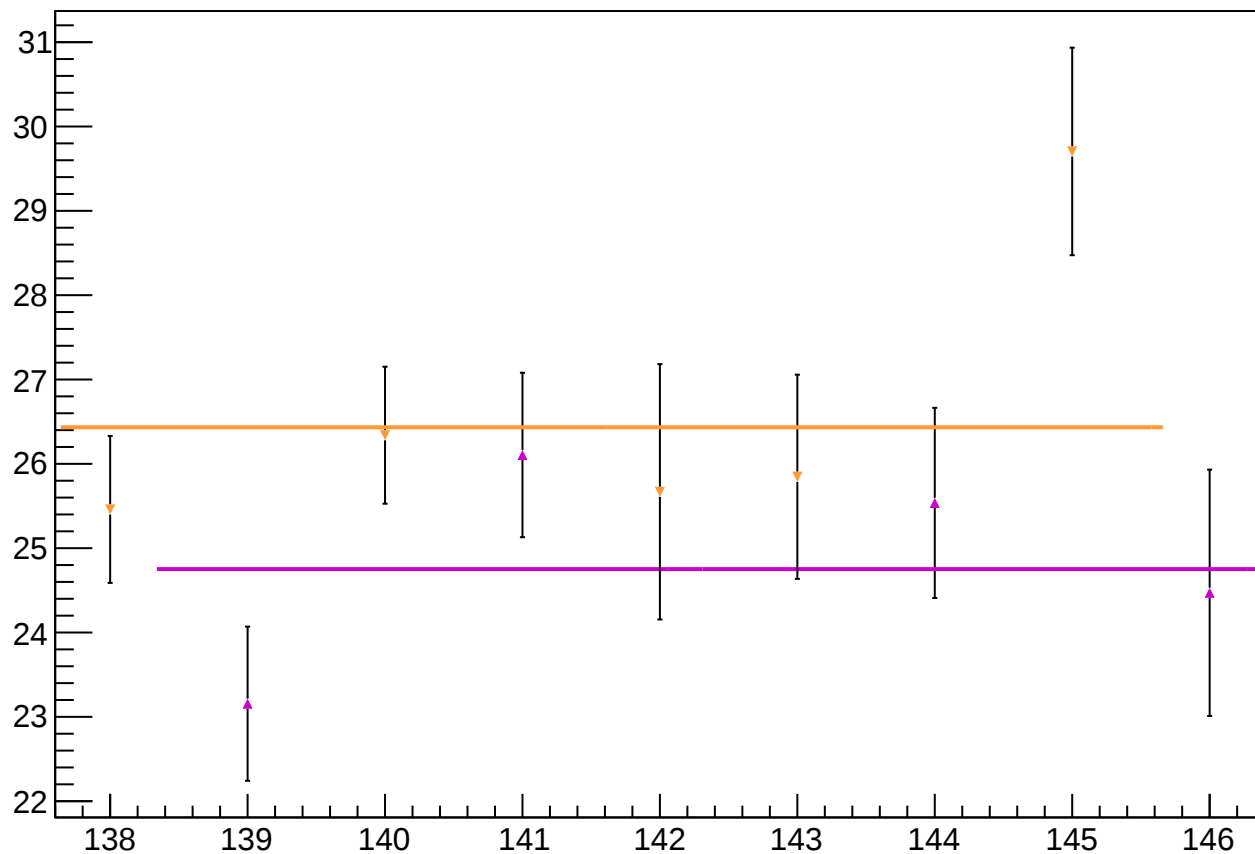
Right Out: 0.117 ± 0.013 χ^2/NDF : 502.5/19

Left In: -0.119 ± 0.021 χ^2/NDF : 54.0/3

0.130 ± 0.011 χ^2/NDF : 381.9/21

0.049 ± 0.011 χ^2/NDF : 650.0/23

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 26.434 $\pm$ 0.466 χ^2 /NDF: 8.8/4

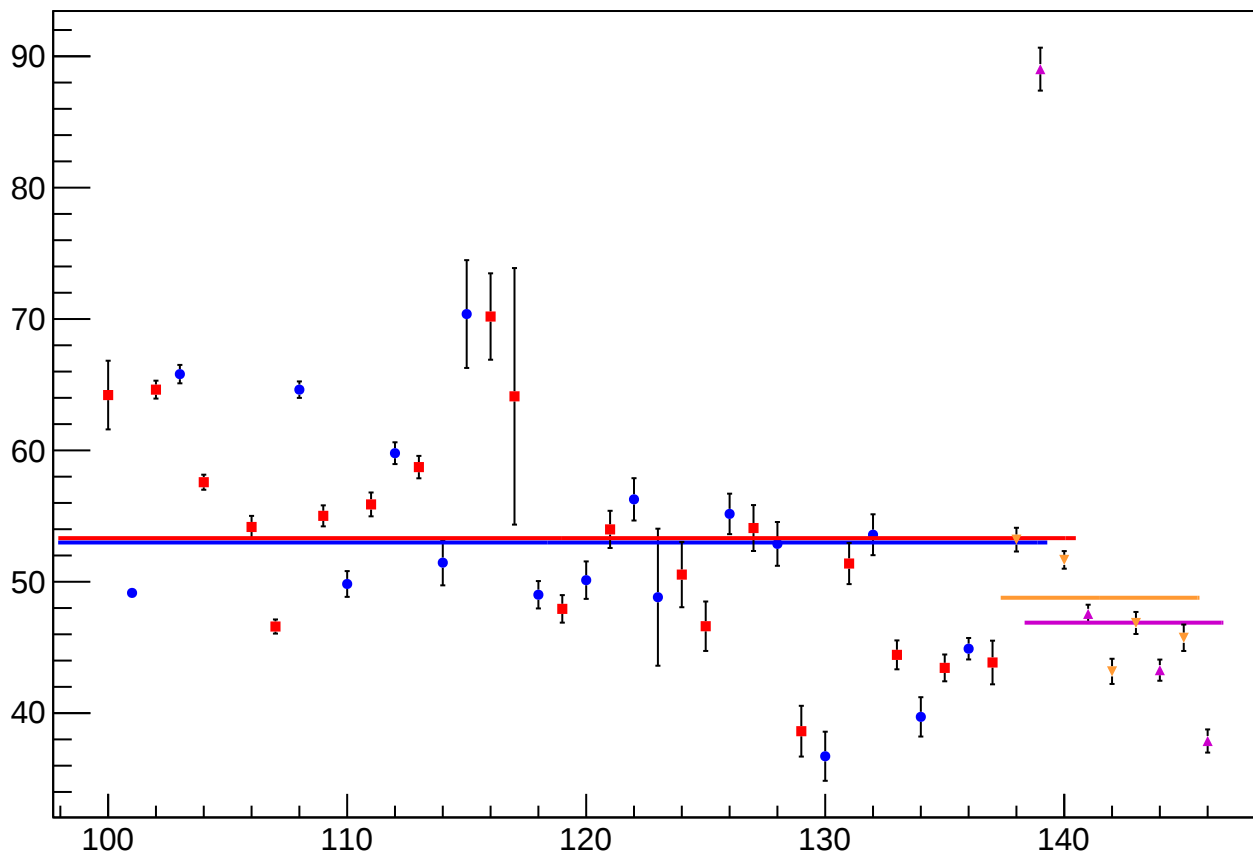
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 24.752 $\pm$ 0.534 χ^2 /NDF: 5.5/3

26.434 $\pm$ 0.466 χ^2 /NDF: 8.8/4

24.752 $\pm$ 0.534 χ^2 /NDF: 5.5/3

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 +/- 0.211 χ^2/NDF : 1198.0/16

Left Out: 48.783 +/- 0.379 χ^2/NDF : 91.1/4

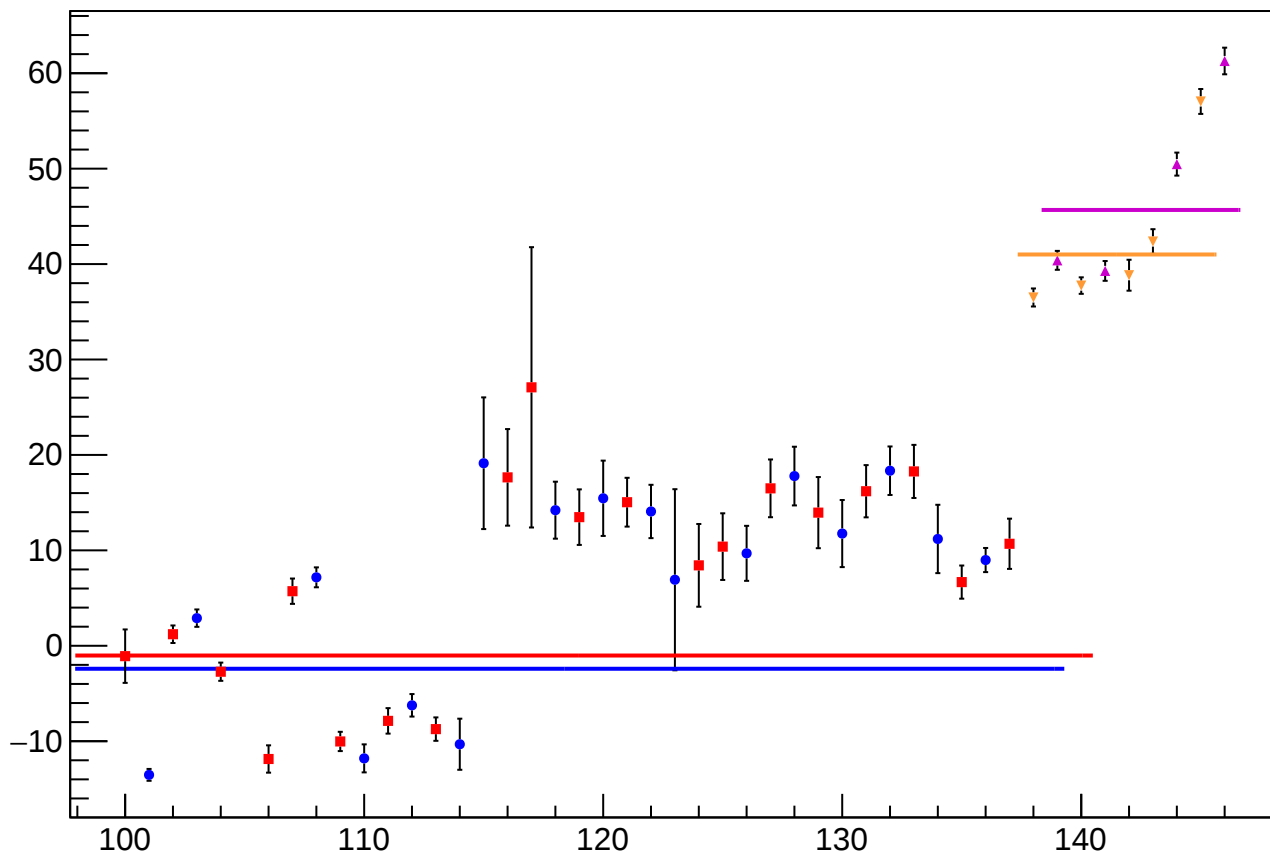
Right Out: 53.320 +/- 0.227 χ^2/NDF : 876.8/19

Left In: 46.886 +/- 0.436 χ^2/NDF : 789.7/3

51.996 +/- 0.184 χ^2/NDF : 1383.1/21

51.953 +/- 0.201 χ^2/NDF : 1837.8/23

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 $\chi^2/\text{NDF}: 834.6/16$

Left Out: 41.005 ± 0.499 $\chi^2/\text{NDF}: 190.8/4$

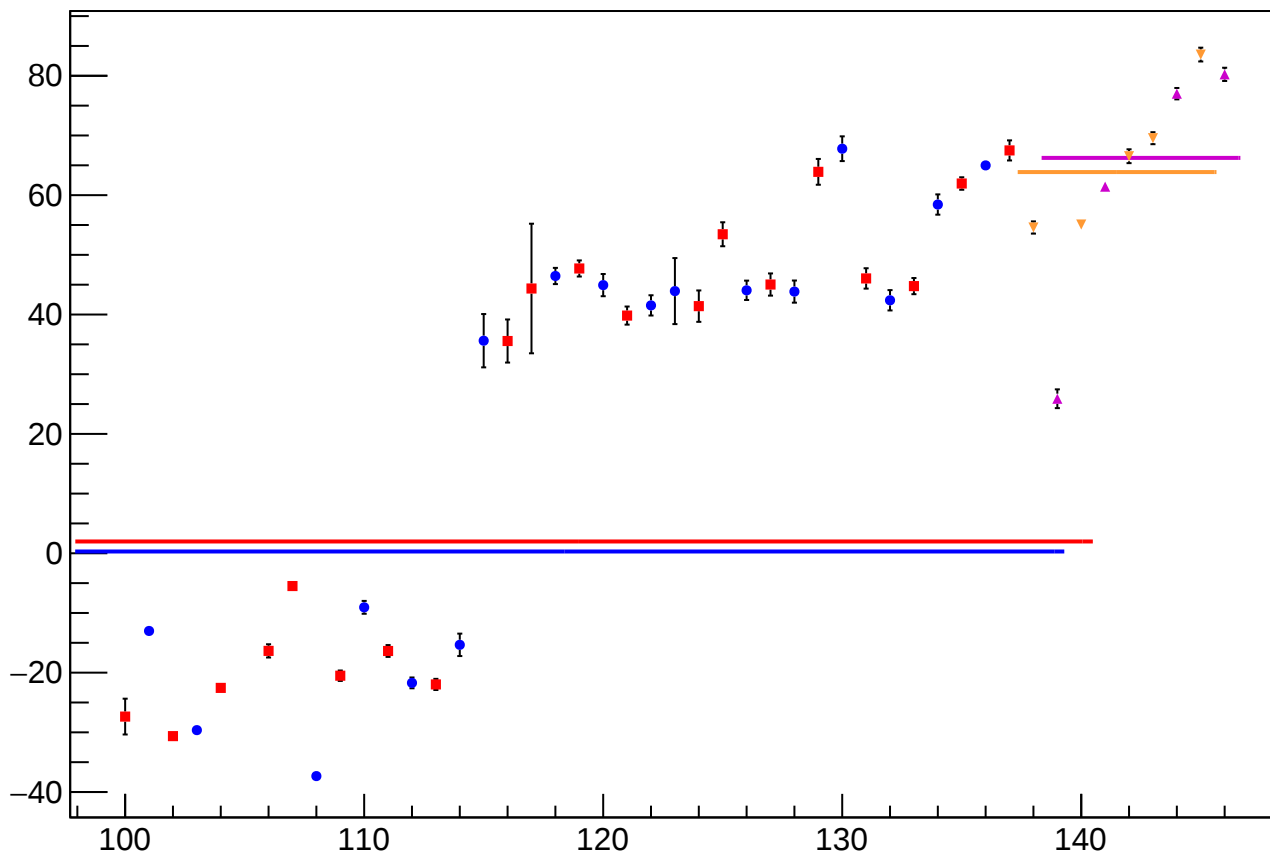
Right Out: -1.021 ± 0.377 $\chi^2/\text{NDF}: 511.2/19$

Left In: 45.671 ± 0.563 $\chi^2/\text{NDF}: 207.4/3$

12.704 ± 0.294 $\chi^2/\text{NDF}: 5968.6/21$

13.416 ± 0.313 $\chi^2/\text{NDF}: 5463.4/23$

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 63.870 ± 0.449 χ^2/NDF : 527.7/4

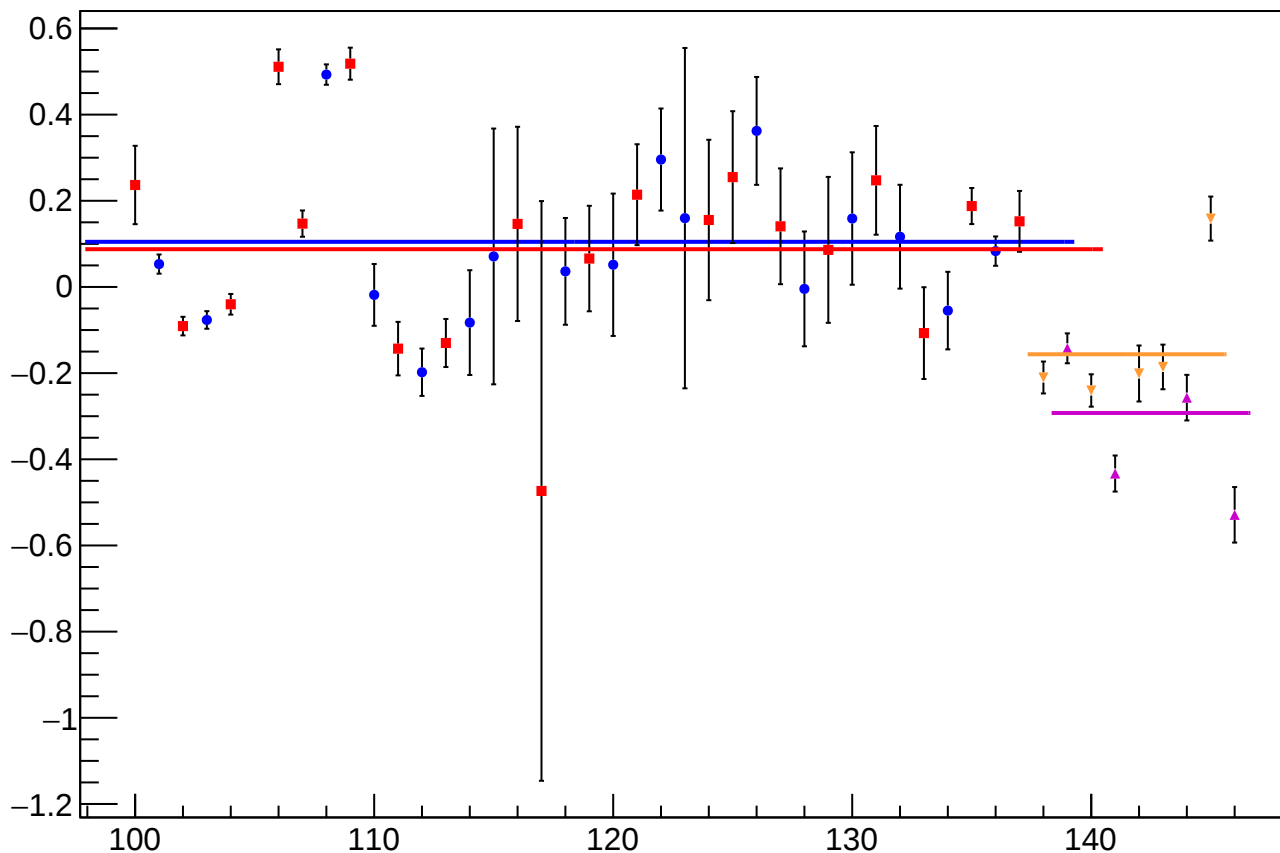
Right Out: 1.978 ± 0.267 χ^2/NDF : 15465.9/19

Left In: 66.243 ± 0.517 χ^2/NDF : 977.4/3

15.119 ± 0.217 χ^2/NDF : 34175.5/21

15.458 ± 0.237 χ^2/NDF : 28636.9/23

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.156 ± 0.020 χ^2/NDF : 45.9/4

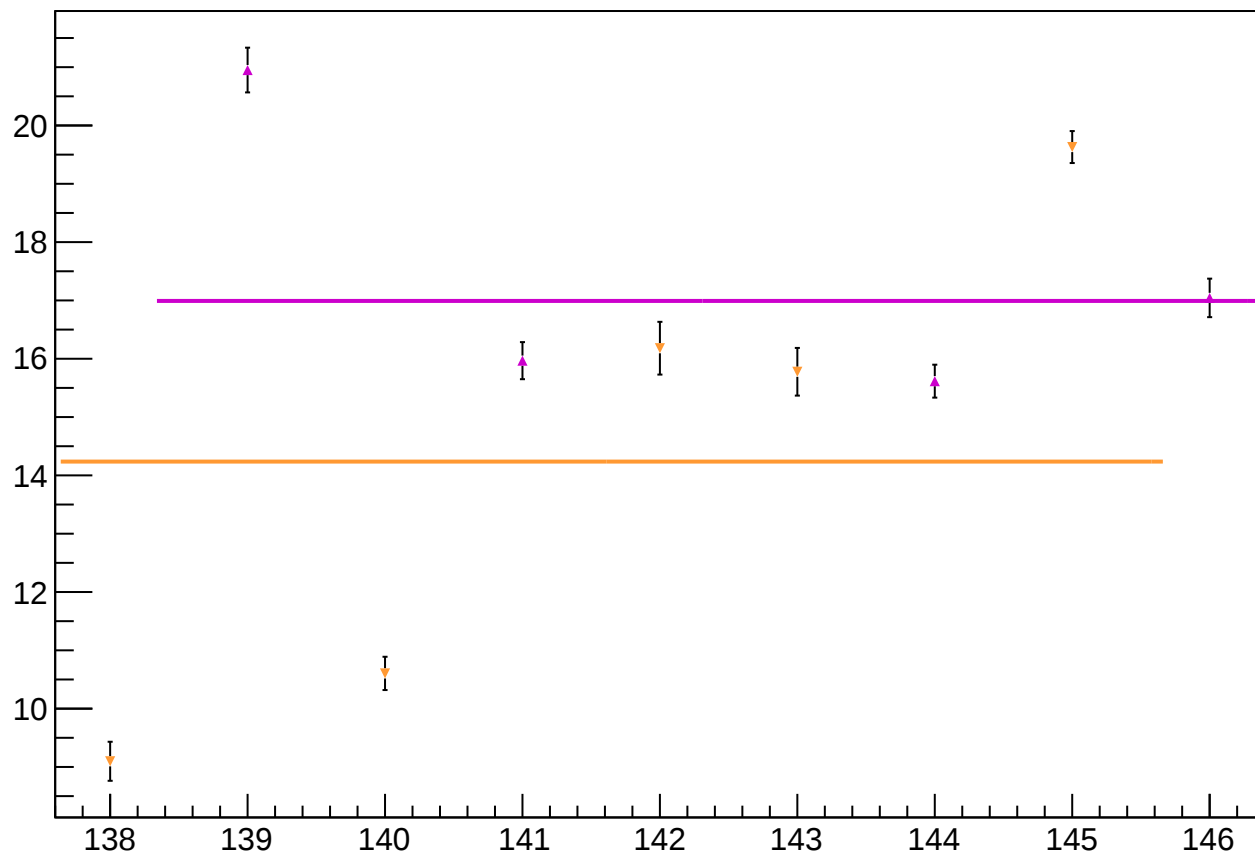
Right Out: 0.088 ± 0.011 χ^2/NDF : 391.6/19

Left In: -0.292 ± 0.022 χ^2/NDF : 43.9/3

0.045 ± 0.010 χ^2/NDF : 574.3/21

0.013 ± 0.010 χ^2/NDF : 667.9/23

reg_asym_sam7_diff_bpm1X_slope vs Slug

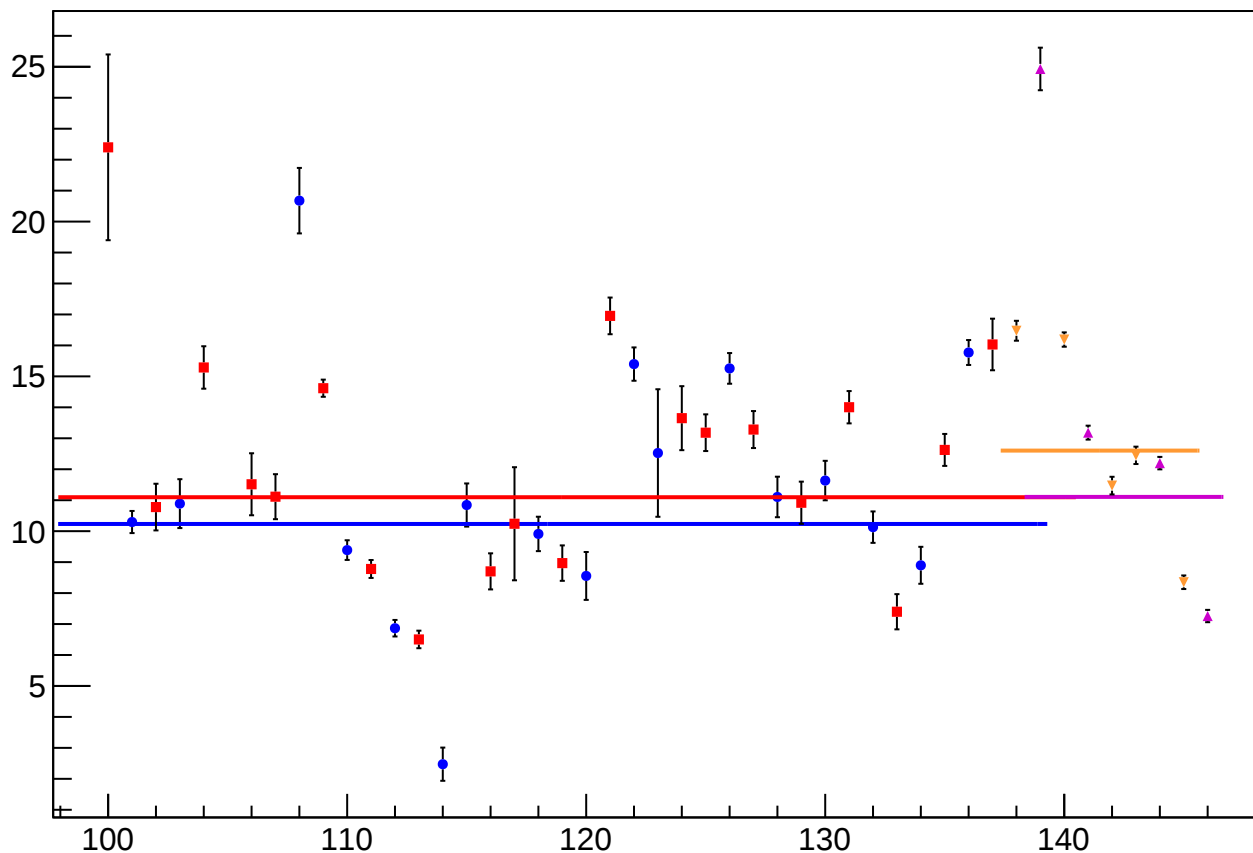


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 14.237+/-0.148 χ^2/NDF : 817.9/4
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 16.991+/-0.161 χ^2/NDF : 140.7/3

14.237+/-0.148 χ^2/NDF : 817.9/4

16.991+/-0.161 χ^2/NDF : 140.7/3

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 ± 0.119 $\chi^2/\text{NDF}: 876.7/16$

Left Out: 12.603 ± 0.116 $\chi^2/\text{NDF}: 777.3/4$

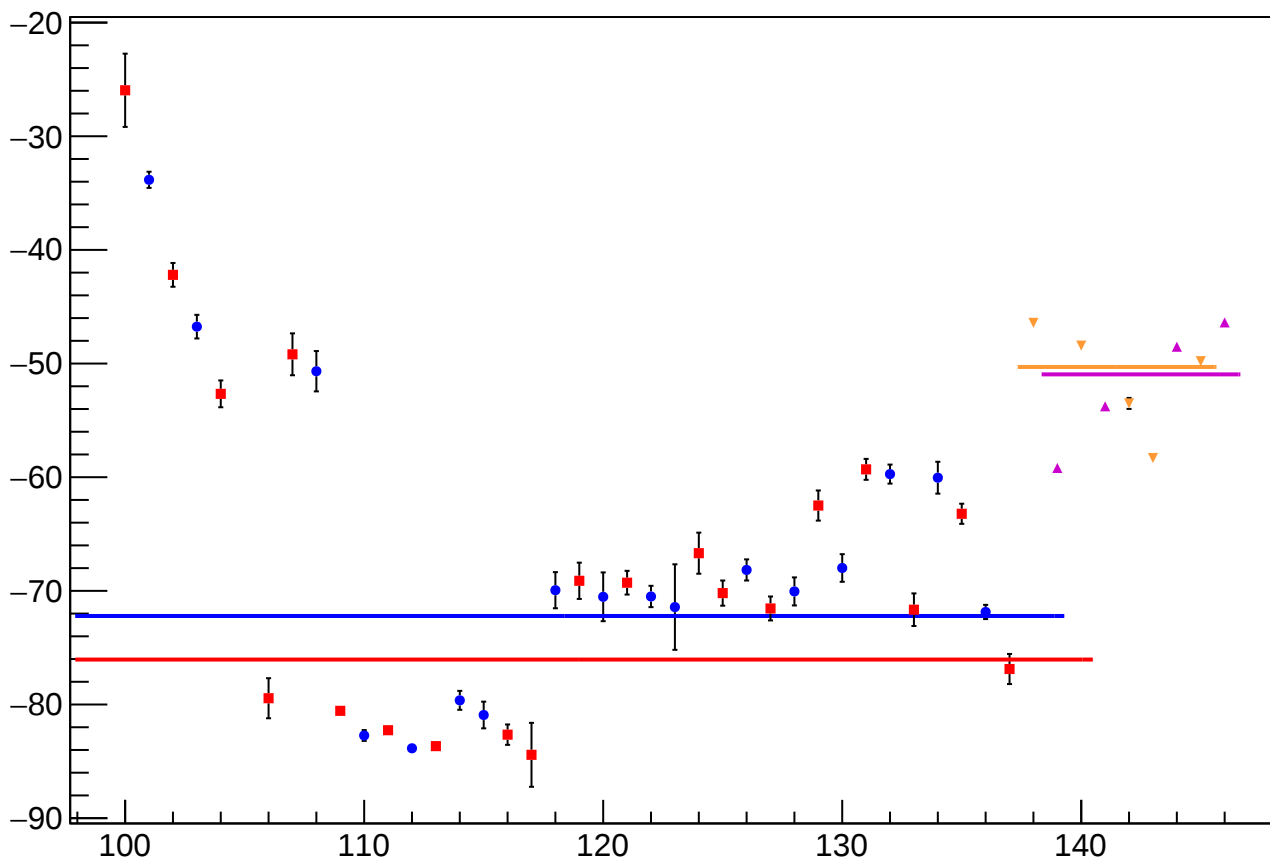
Right Out: 11.096 ± 0.116 $\chi^2/\text{NDF}: 818.0/19$

Left In: 11.107 ± 0.118 $\chi^2/\text{NDF}: 892.1/3$

11.451 ± 0.083 $\chi^2/\text{NDF}: 1856.5/21$

11.102 ± 0.083 $\chi^2/\text{NDF}: 1710.2/23$

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -50.300+/-0.159 χ^2/NDF : 536.6/4

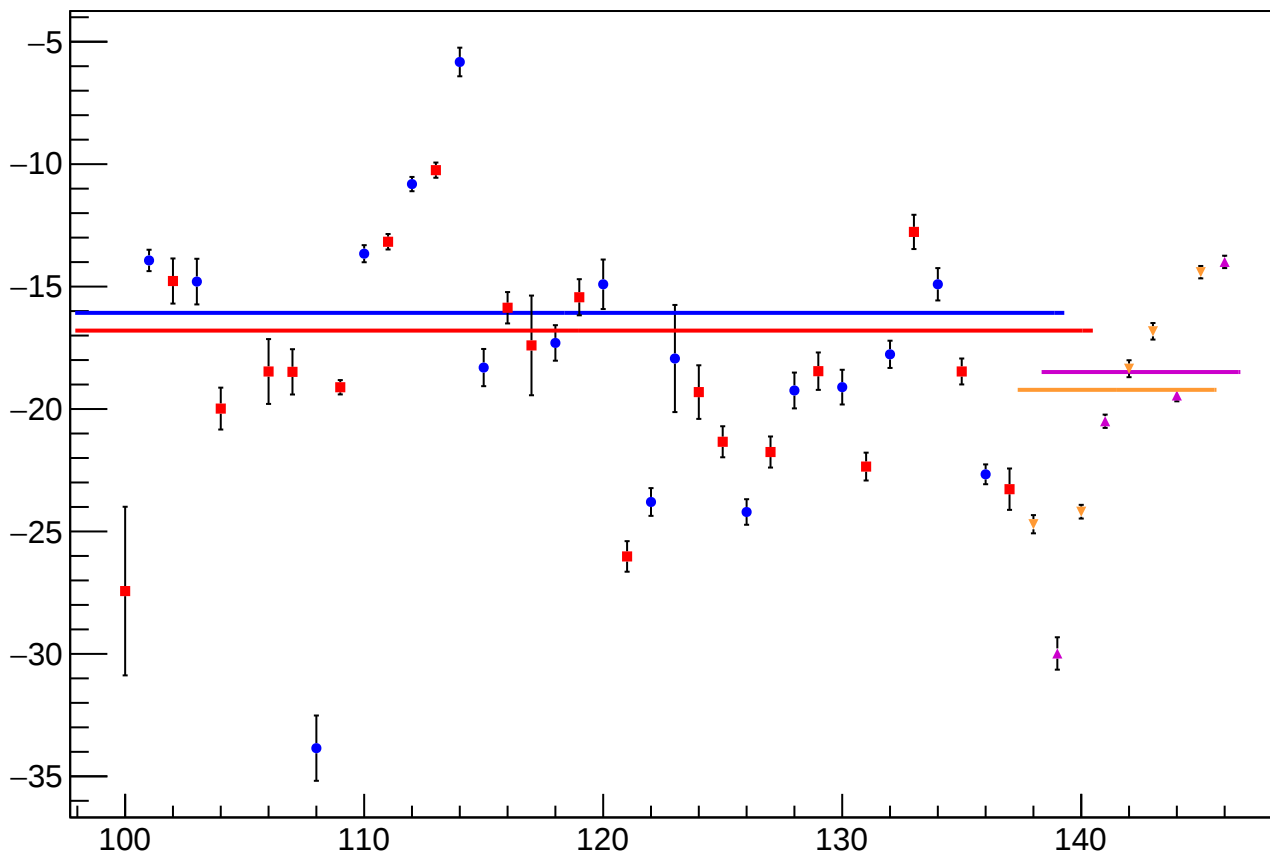
Right Out: -76.044+/-0.181 χ^2/NDF : 3472.2/19

Left In: -50.953+/-0.168 χ^2/NDF : 734.6/3

-58.878+/-0.124 χ^2/NDF : 13555.1/21

-62.590+/-0.123 χ^2/NDF : 14555.4/23

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073±0.133 χ^2/NDF : 1640.5/16

Left Out: -19.216±0.138 χ^2/NDF : 949.4/4

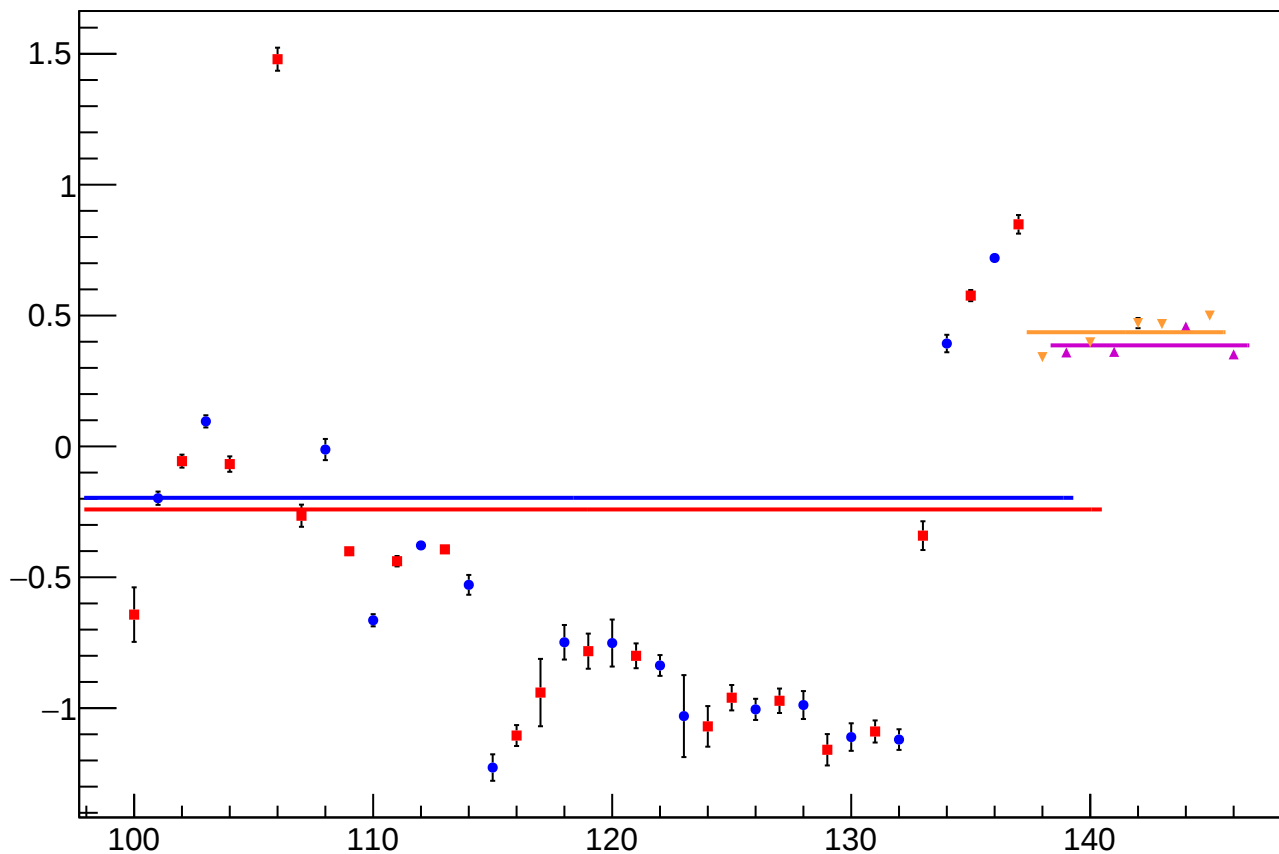
Right Out: -16.797±0.128 χ^2/NDF : 1216.1/19

Left In: -18.490±0.143 χ^2/NDF : 688.3/3

-17.584±0.096 χ^2/NDF : 2860.4/21

-17.550±0.095 χ^2/NDF : 1982.3/23

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.436 ± 0.006 χ^2/NDF : 89.1/4

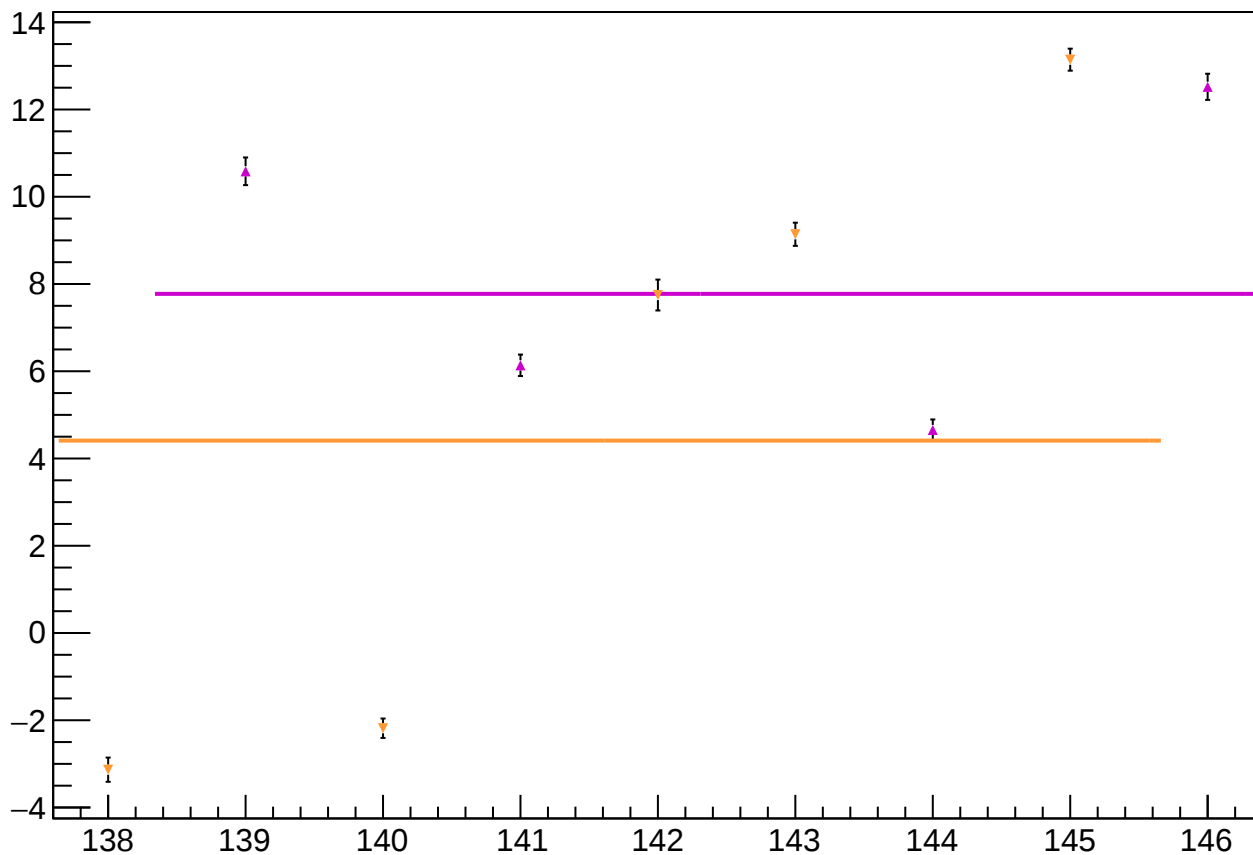
Right Out: -0.241 ± 0.007 χ^2/NDF : 6218.3/19

Left In: 0.386 ± 0.007 χ^2/NDF : 42.1/3

0.169 ± 0.005 χ^2/NDF : 10473.7/21

0.080 ± 0.005 χ^2/NDF : 10180.2/23

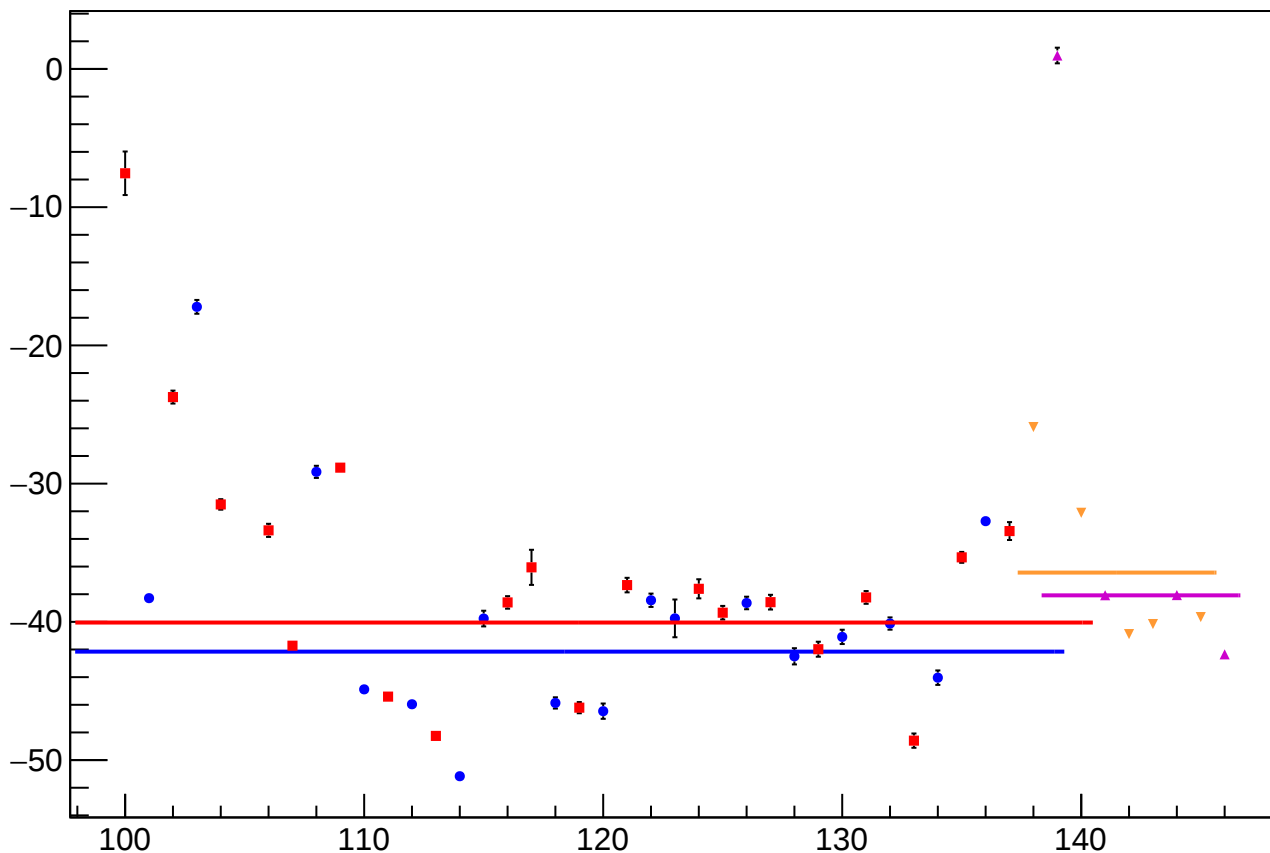
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left Out: 4.411 $\pm$ 0.119 χ^2 /NDF:3218.5/4
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left In: 7.774 $\pm$ 0.135 χ^2 /NDF:540.9/3

4.411 $\pm$ 0.119 χ^2 /NDF: 3218.5/4
7.774 $\pm$ 0.135 χ^2 /NDF: 540.9/3

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -36.434 ± 0.092 χ^2/NDF : 3158.6/4

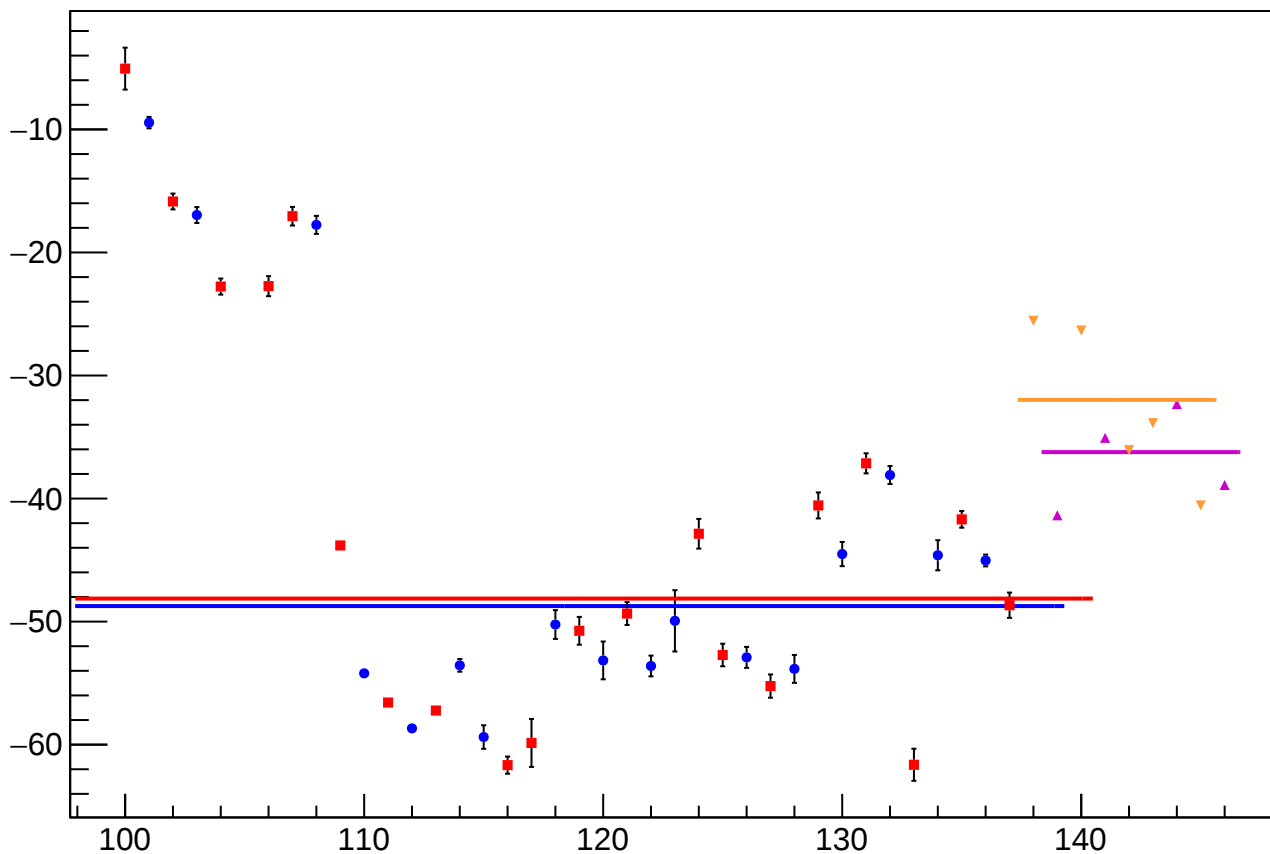
Right Out: -40.049 ± 0.073 χ^2/NDF : 11332.1/19

Left In: -38.082 ± 0.101 χ^2/NDF : 5270.0/3

-39.761 ± 0.060 χ^2/NDF : 11963.5/21

-39.376 ± 0.059 χ^2/NDF : 16852.9/23

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 χ^2/NDF : 14658.1/16

Left Out: -31.980 ± 0.127 χ^2/NDF : 2204.8/4

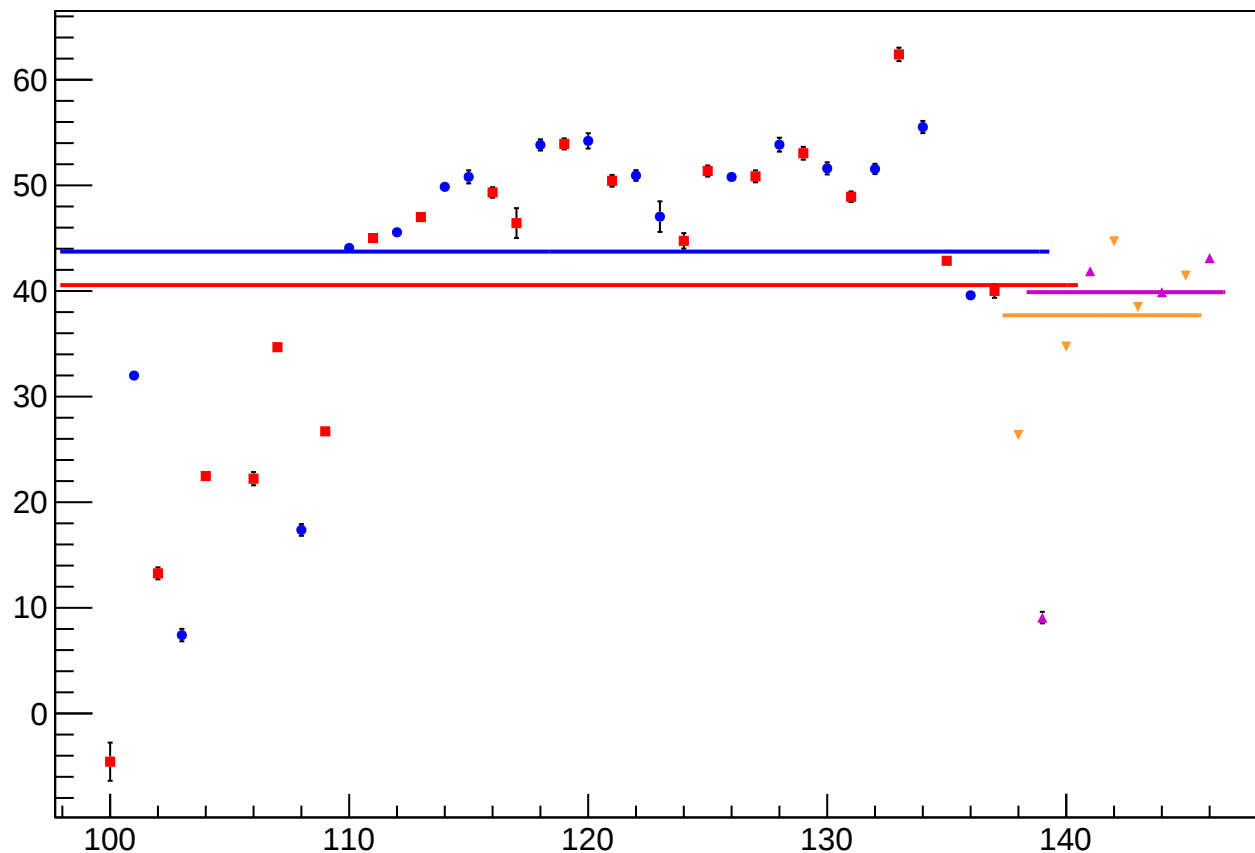
Right Out: -48.127 ± 0.107 χ^2/NDF : 11769.6/19

Left In: -36.225 ± 0.141 χ^2/NDF : 558.4/3

-40.511 ± 0.089 χ^2/NDF : 25747.5/21

-43.782 ± 0.085 χ^2/NDF : 16839.7/23

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731+/-0.087 χ^2/NDF : 10567.7/16

Left Out: 37.698+/-0.109 χ^2/NDF : 2449.6/4

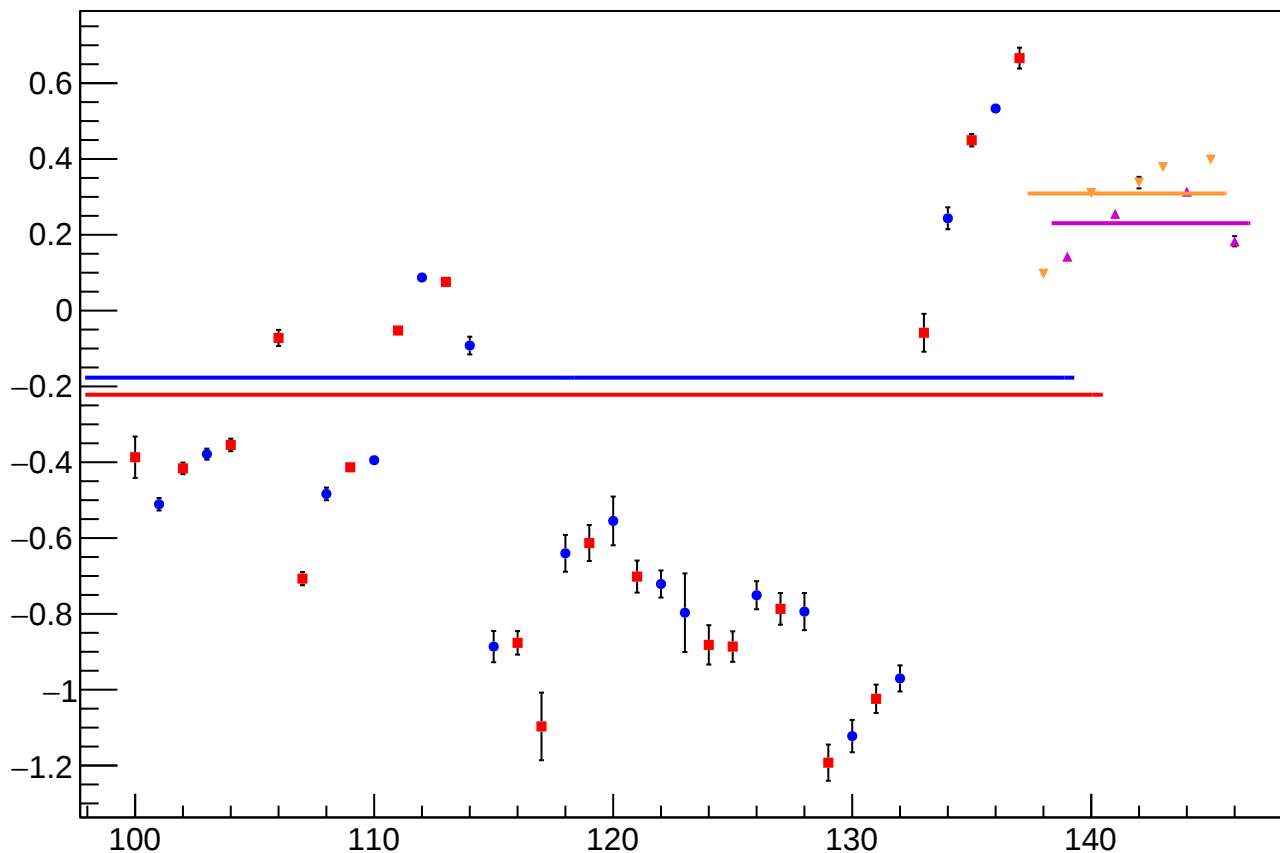
Right Out: 40.556+/-0.080 χ^2/NDF : 17618.6/19

Left In: 39.889+/-0.121 χ^2/NDF : 3472.0/3

41.398+/-0.068 χ^2/NDF : 14883.3/21

40.353+/-0.067 χ^2/NDF : 21111.8/23

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 +/- 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.309 +/- 0.005 χ^2/NDF : 427.2/4

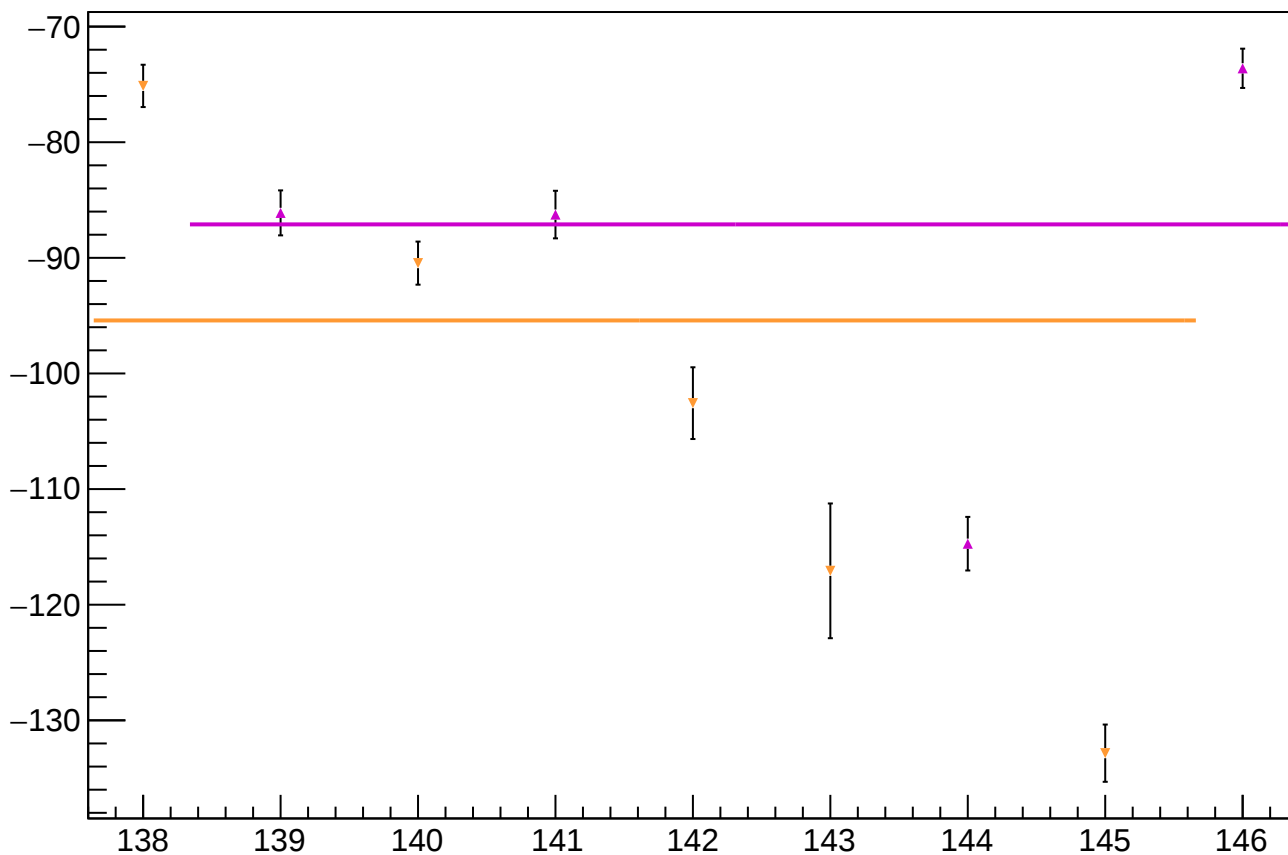
Right Out: -0.222 +/- 0.004 χ^2/NDF : 7527.0/19

Left In: 0.231 +/- 0.006 χ^2/NDF : 126.4/3

0.050 +/- 0.004 χ^2/NDF : 12501.4/21

-0.063 +/- 0.003 χ^2/NDF : 11544.9/23

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -95.415+/-1.064 χ^2/NDF : 377.6/4

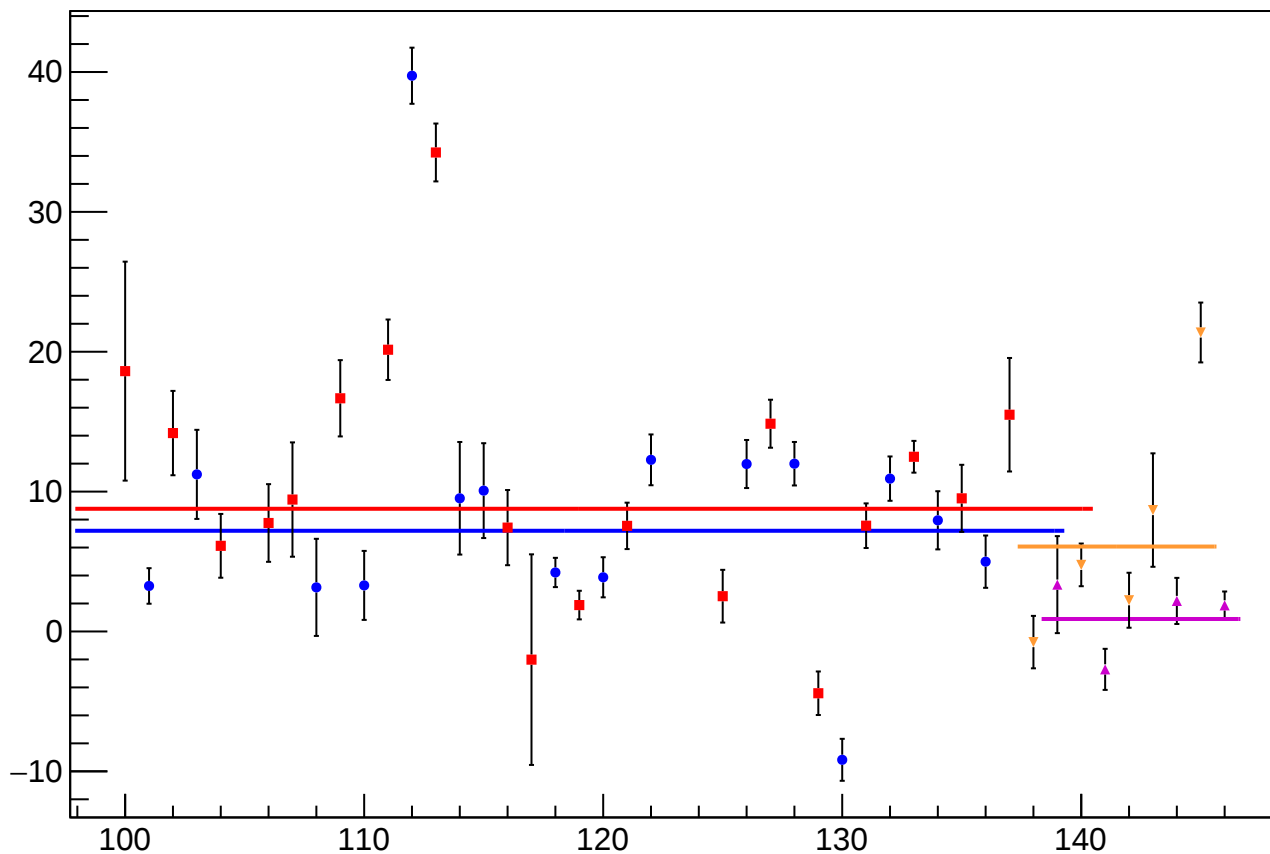
-95.415+/-1.064 χ^2/NDF : 377.6/4

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

-87.107+/-0.984 χ^2/NDF : 205.5/3

Left In: -87.107+/-0.984 χ^2/NDF : 205.5/3

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 $\chi^2/\text{NDF}: 443.8/15$

Left Out: 6.072 ± 0.894 $\chi^2/\text{NDF}: 69.4/4$

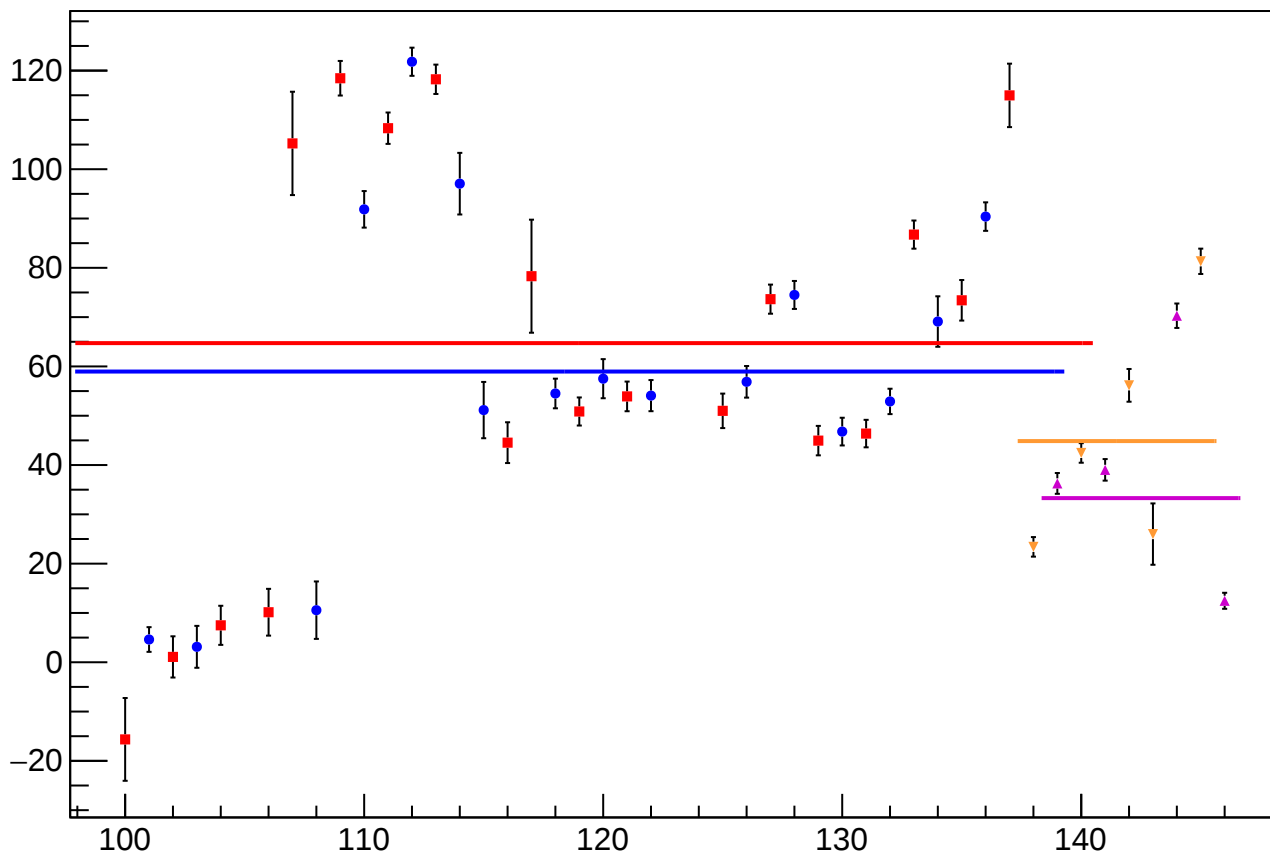
Right Out: 8.772 ± 0.447 $\chi^2/\text{NDF}: 351.7/18$

Left In: 0.892 ± 0.719 $\chi^2/\text{NDF}: 8.1/3$

6.980 ± 0.394 $\chi^2/\text{NDF}: 514.5/20$

6.577 ± 0.380 $\chi^2/\text{NDF}: 446.4/22$

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2/NDF : 1496.5/15

Left Out: 44.859 $\pm$ 1.135 χ^2/NDF : 340.6/4

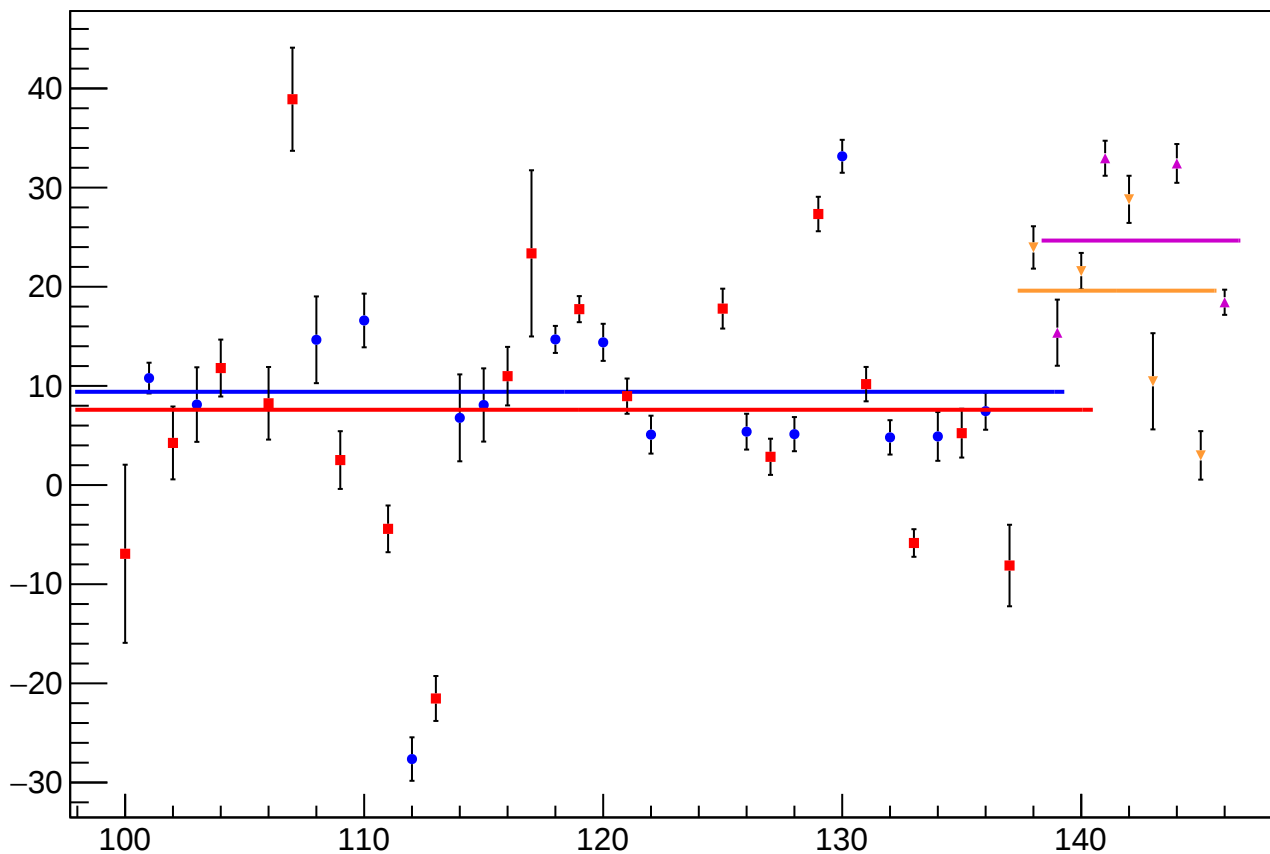
Right Out: 64.728 $\pm$ 0.838 χ^2/NDF : 1723.2/18

Left In: 33.291 $\pm$ 1.013 χ^2/NDF : 396.0/3

53.995 $\pm$ 0.674 χ^2/NDF : 1937.1/20

51.952 $\pm$ 0.645 χ^2/NDF : 2691.5/22

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 19.605 ± 1.054 $\chi^2/\text{NDF}: 70.0/4$

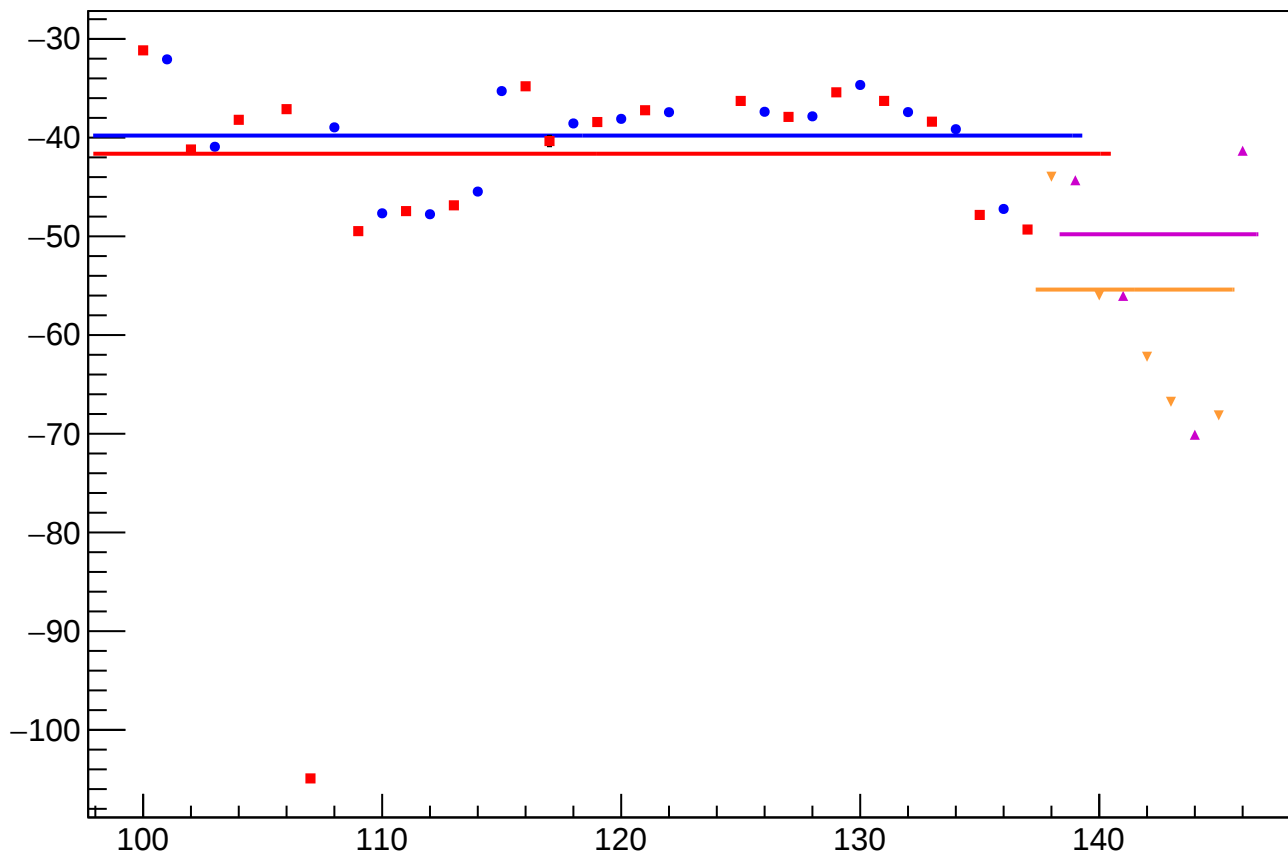
Right Out: 7.593 ± 0.514 $\chi^2/\text{NDF}: 573.4/18$

Left In: 24.659 ± 0.880 $\chi^2/\text{NDF}: 69.7/3$

11.321 ± 0.457 $\chi^2/\text{NDF}: 695.6/20$

11.934 ± 0.444 $\chi^2/\text{NDF}: 923.7/22$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -55.393 ± 0.046 χ^2/NDF : 41879.1/4

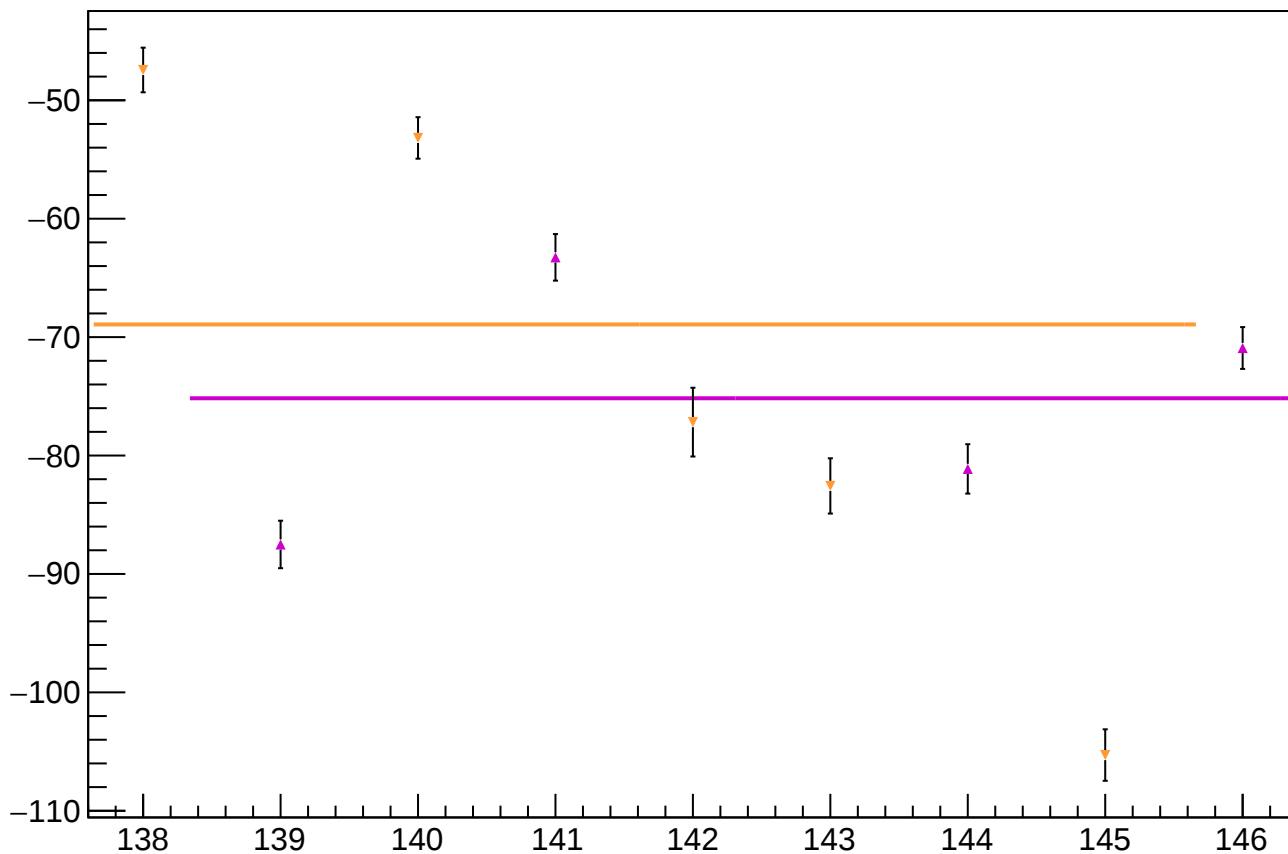
Right Out: -41.631 ± 0.031 χ^2/NDF : 94399.1/18

Left In: -49.790 ± 0.042 χ^2/NDF : 58124.9/3

-44.668 ± 0.026 χ^2/NDF : 146056.8/20

-44.552 ± 0.025 χ^2/NDF : 177083.2/22

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -68.929+/-0.944 χ^2/NDF : 532.8/4

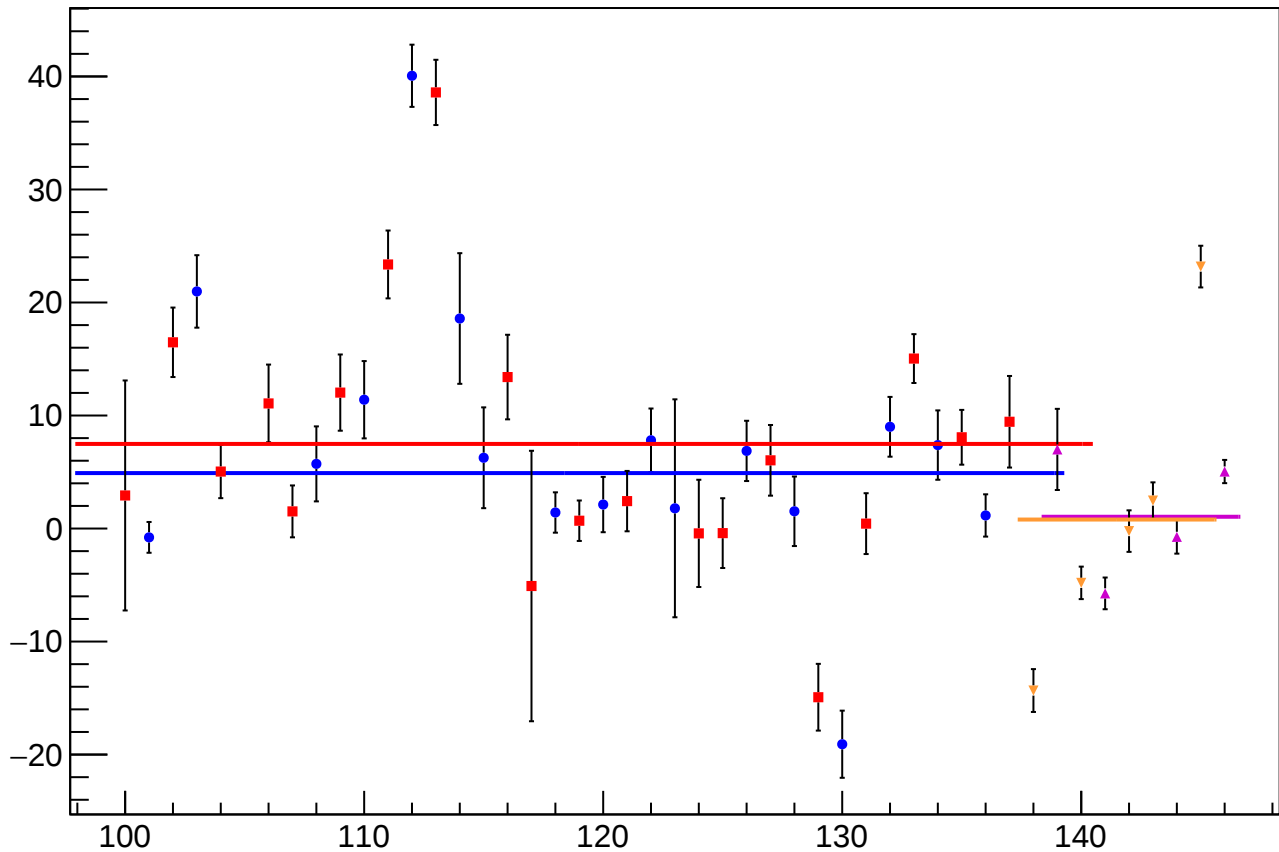
-68.929+/-0.944 χ^2/NDF : 532.8/4

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

-75.164+/-0.972 χ^2/NDF : 88.5/3

Left In: -75.164+/-0.972 χ^2/NDF : 88.5/3

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 0.795 ± 0.759 $\chi^2/\text{NDF}: 227.5/4$

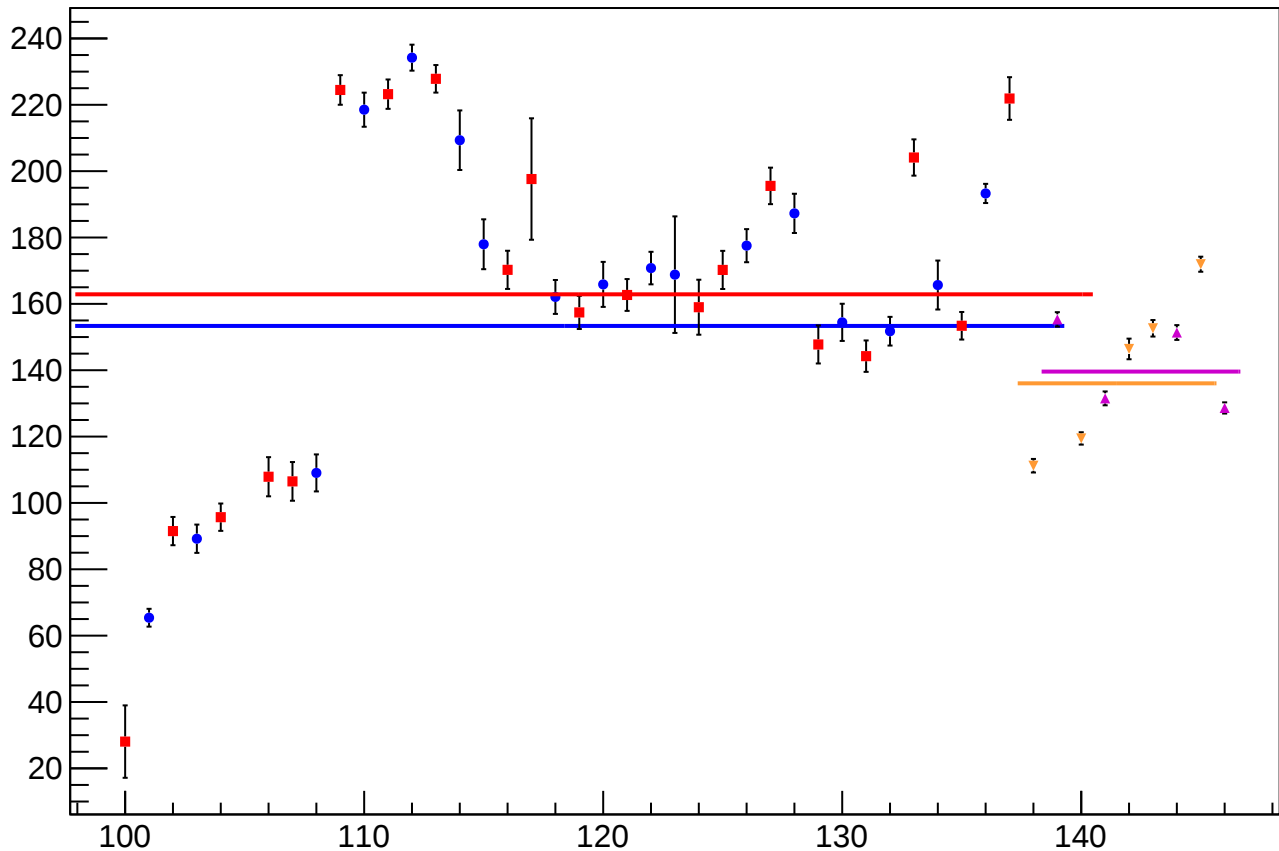
Right Out: 7.486 ± 0.650 $\chi^2/\text{NDF}: 271.7/19$

Left In: 1.042 ± 0.710 $\chi^2/\text{NDF}: 42.7/3$

3.236 ± 0.484 $\chi^2/\text{NDF}: 540.3/21$

4.548 ± 0.479 $\chi^2/\text{NDF}: 359.3/23$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 136.046 $\pm$ 1.007 χ^2 /NDF: 532.6/4

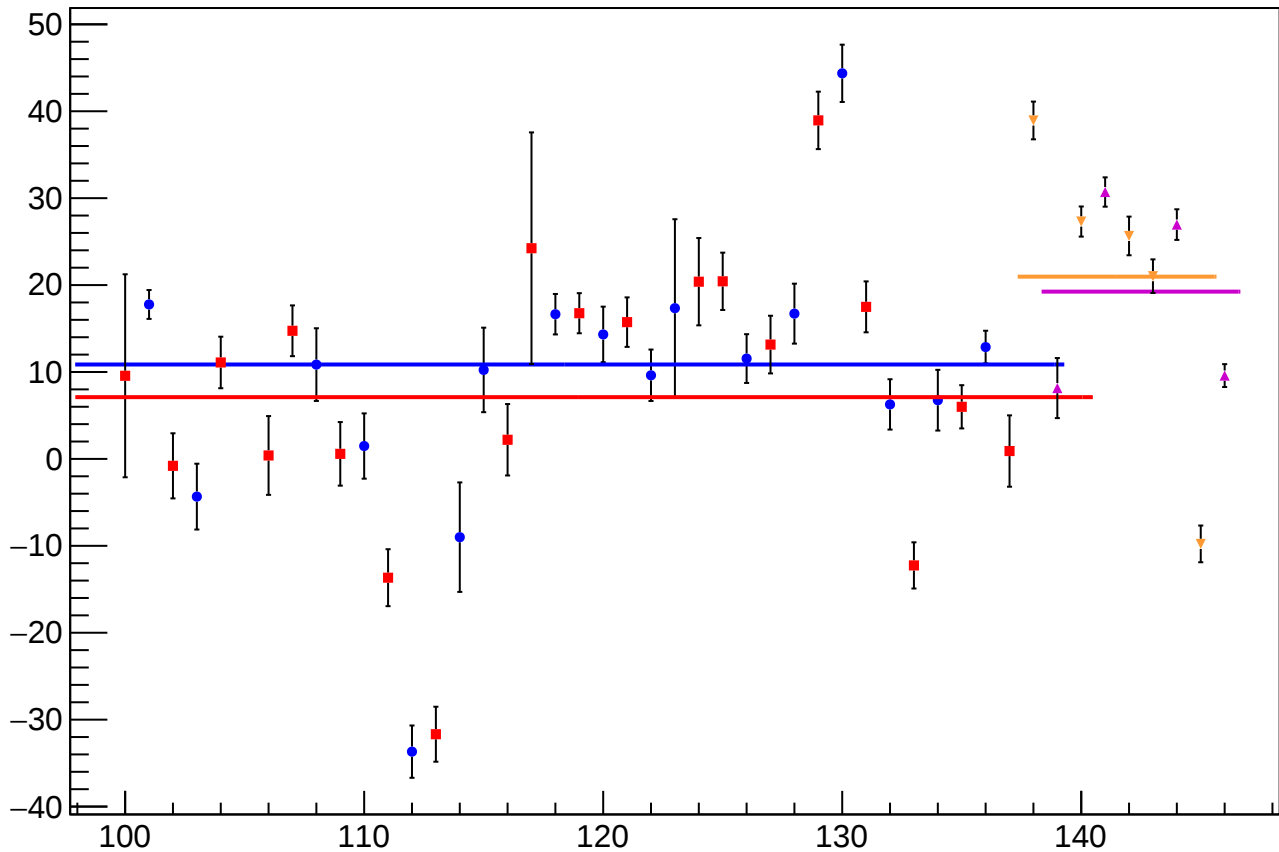
Right Out: 162.878 $\pm$ 1.174 χ^2 /NDF: 1712.4/19

Left In: 139.589 $\pm$ 1.003 χ^2 /NDF: 137.5/3

143.557 $\pm$ 0.758 χ^2 /NDF: 2929.0/21

149.416 $\pm$ 0.763 χ^2 /NDF: 2077.1/23

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2/NDF : 387.9/16

Left Out: 20.968 $\pm$ 0.899 χ^2/NDF : 298.1/4

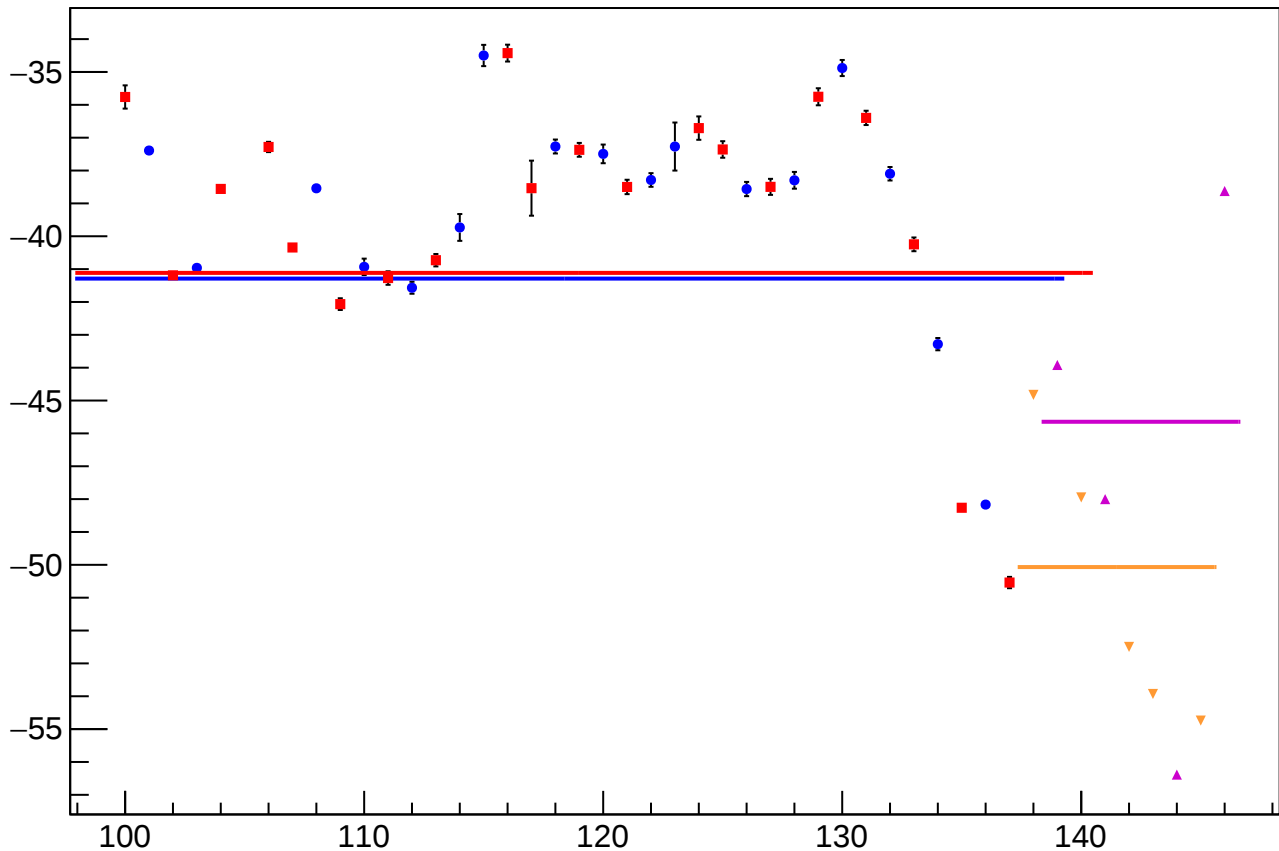
Right Out: 7.106 $\pm$ 0.746 χ^2/NDF : 426.4/19

Left In: 19.247 $\pm$ 0.865 χ^2/NDF : 129.5/3

14.810 $\pm$ 0.562 χ^2/NDF : 763.1/21

12.284 $\pm$ 0.565 χ^2/NDF : 668.8/23

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289±/-0.039 χ^2/NDF : 12509.1/16

Left Out: -50.068±/-0.041 χ^2/NDF : 9472.8/4

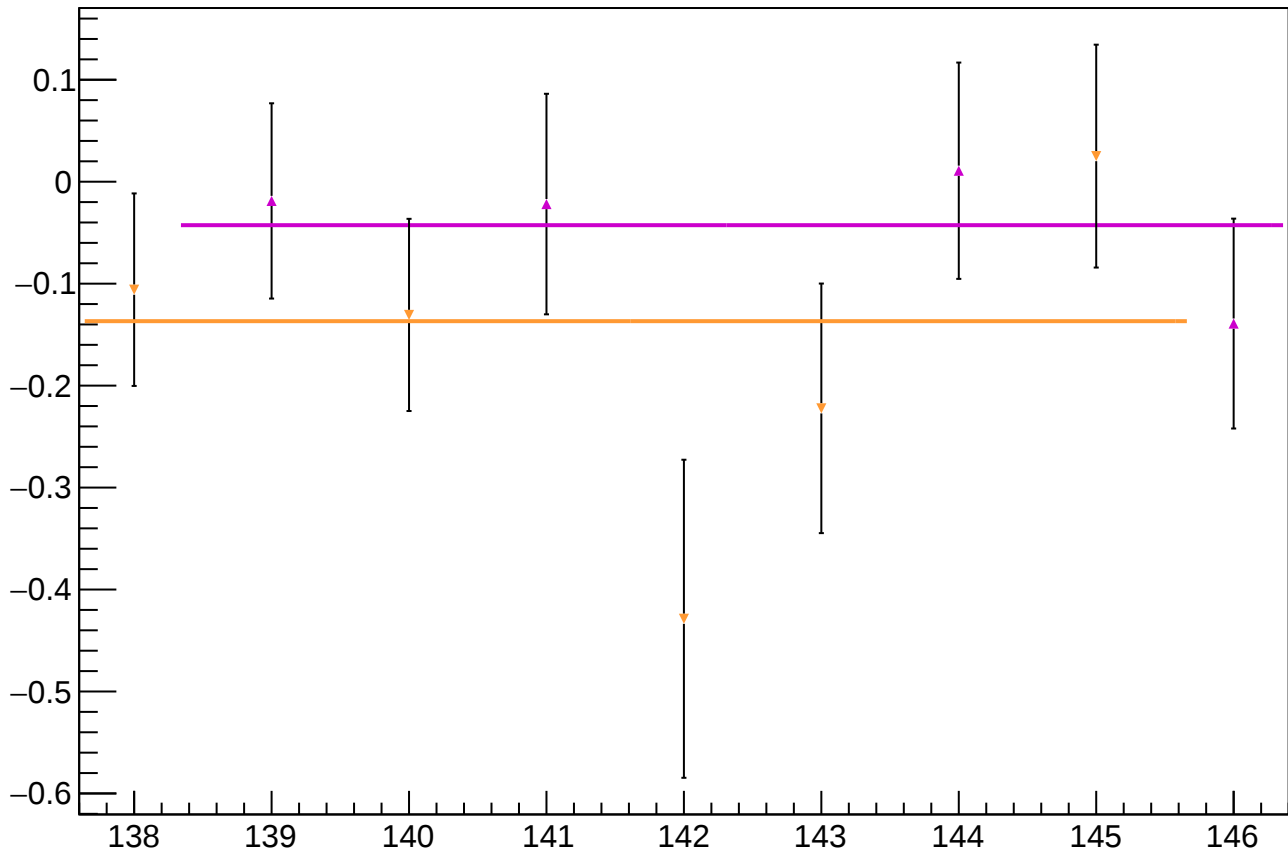
Right Out: -41.115±/-0.039 χ^2/NDF : 12120.1/19

Left In: -45.646±/-0.041 χ^2/NDF : 21553.4/3

-45.406±/-0.028 χ^2/NDF : 46232.4/21

-43.221±/-0.028 χ^2/NDF : 40069.8/23

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.137 $\pm$ 0.049 χ^2 /NDF: 6.3/4

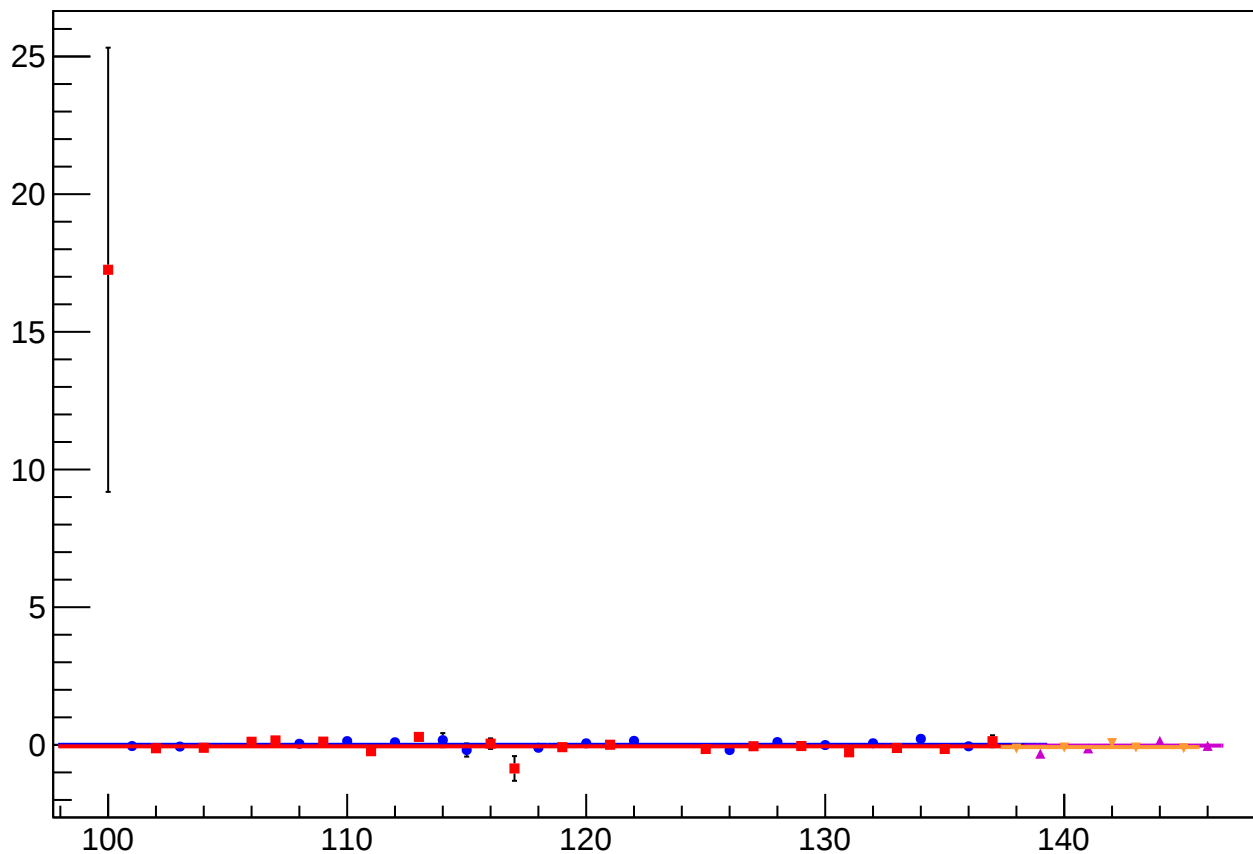
-0.137 $\pm$ 0.049 χ^2 /NDF: 6.3/4

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

-0.043 $\pm$ 0.051 χ^2 /NDF: 1.2/3

Left In: -0.043 $\pm$ 0.051 χ^2 /NDF: 1.2/3

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 $\pm$ 0.029 χ^2 /NDF: 12.4/15

Left Out: -0.081 $\pm$ 0.040 χ^2 /NDF: 2.7/4

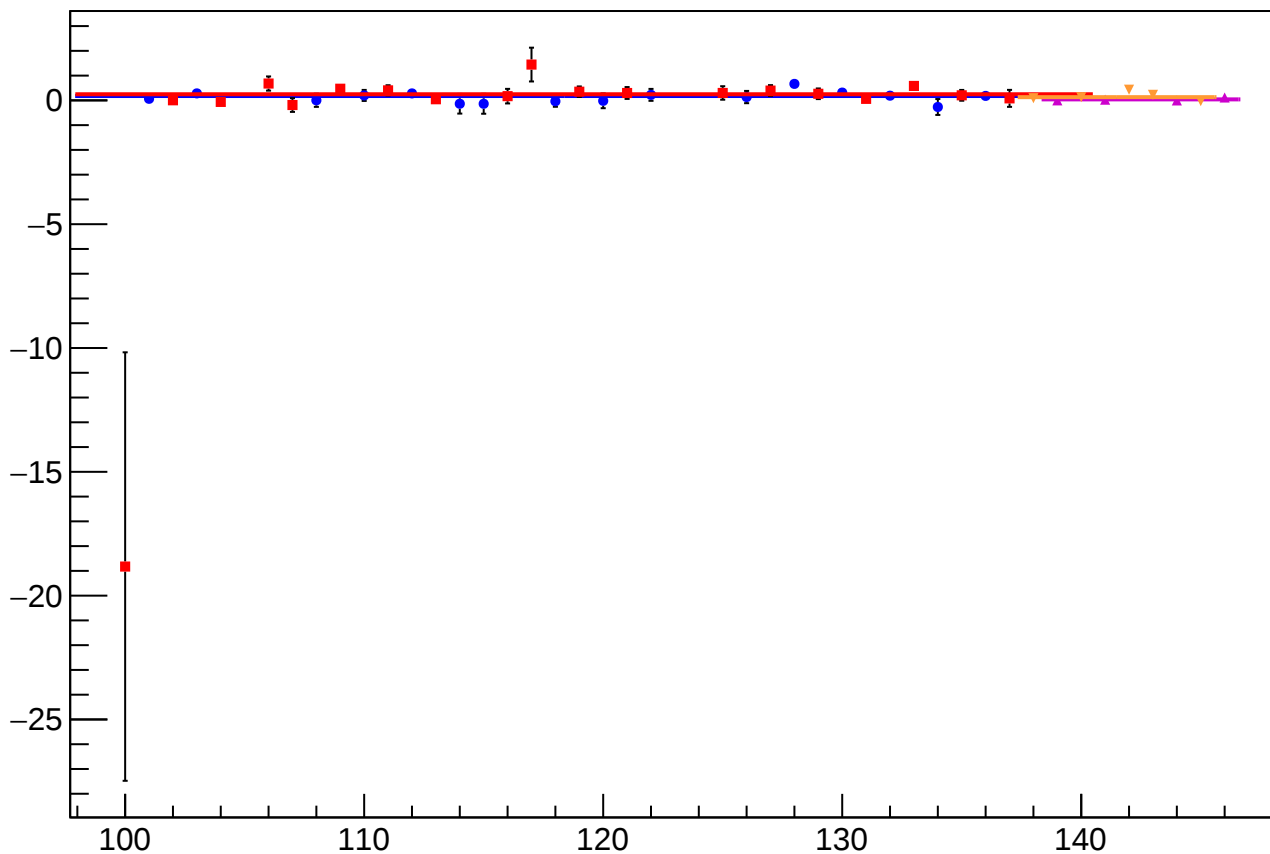
Right Out: -0.053 $\pm$ 0.029 χ^2 /NDF: 28.8/18

Left In: -0.025 $\pm$ 0.040 χ^2 /NDF: 9.7/3

-0.025 $\pm$ 0.023 χ^2 /NDF: 18.0/20

-0.043 $\pm$ 0.024 χ^2 /NDF: 38.8/22

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

0.153+/-0.037 χ^2/NDF : 19.3/20

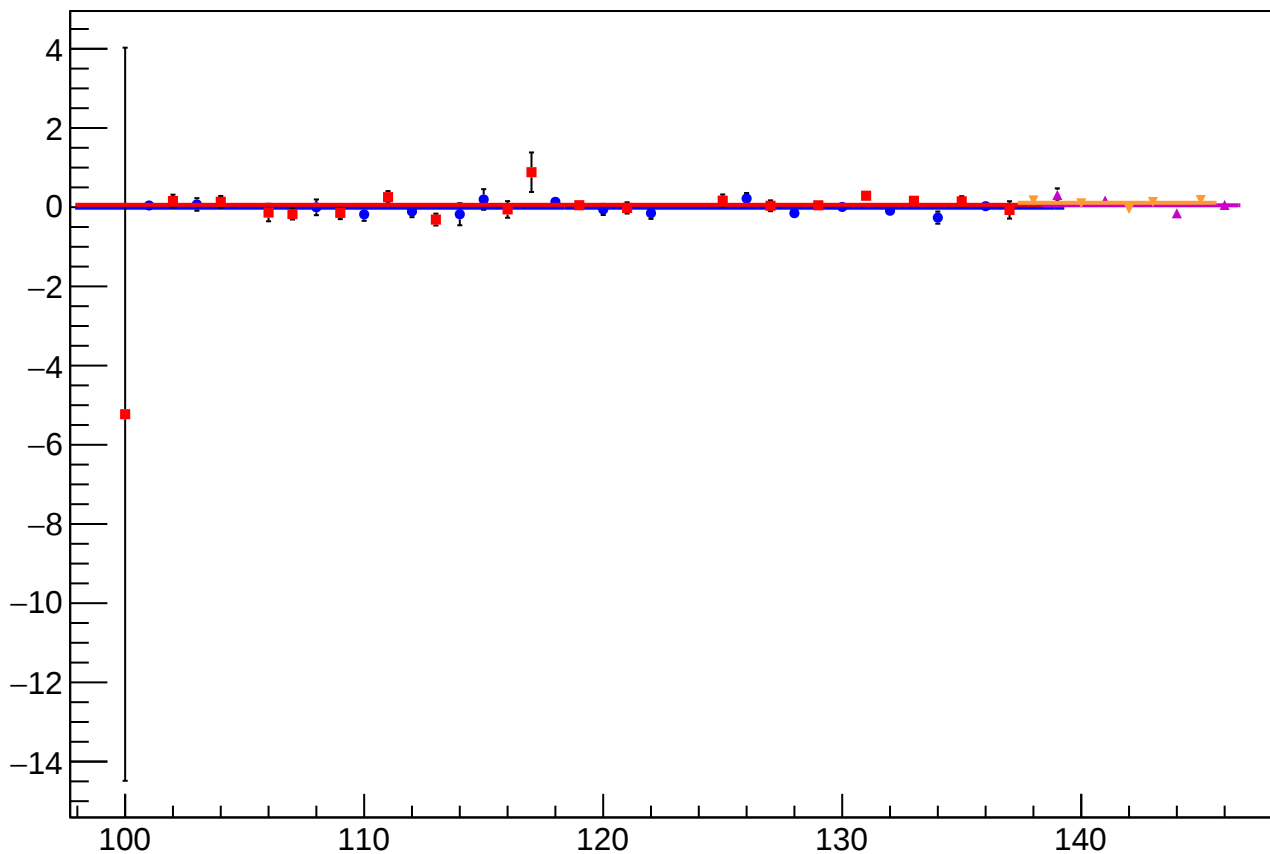
Left Out: 0.130+/-0.052 χ^2/NDF : 5.9/4

Right Out: 0.247+/-0.054 χ^2/NDF : 24.7/18

0.143+/-0.038 χ^2/NDF : 33.1/22

Left In: 0.040+/-0.054 χ^2/NDF : 0.9/3

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.111 ± 0.047 χ^2/NDF : 2.5/4

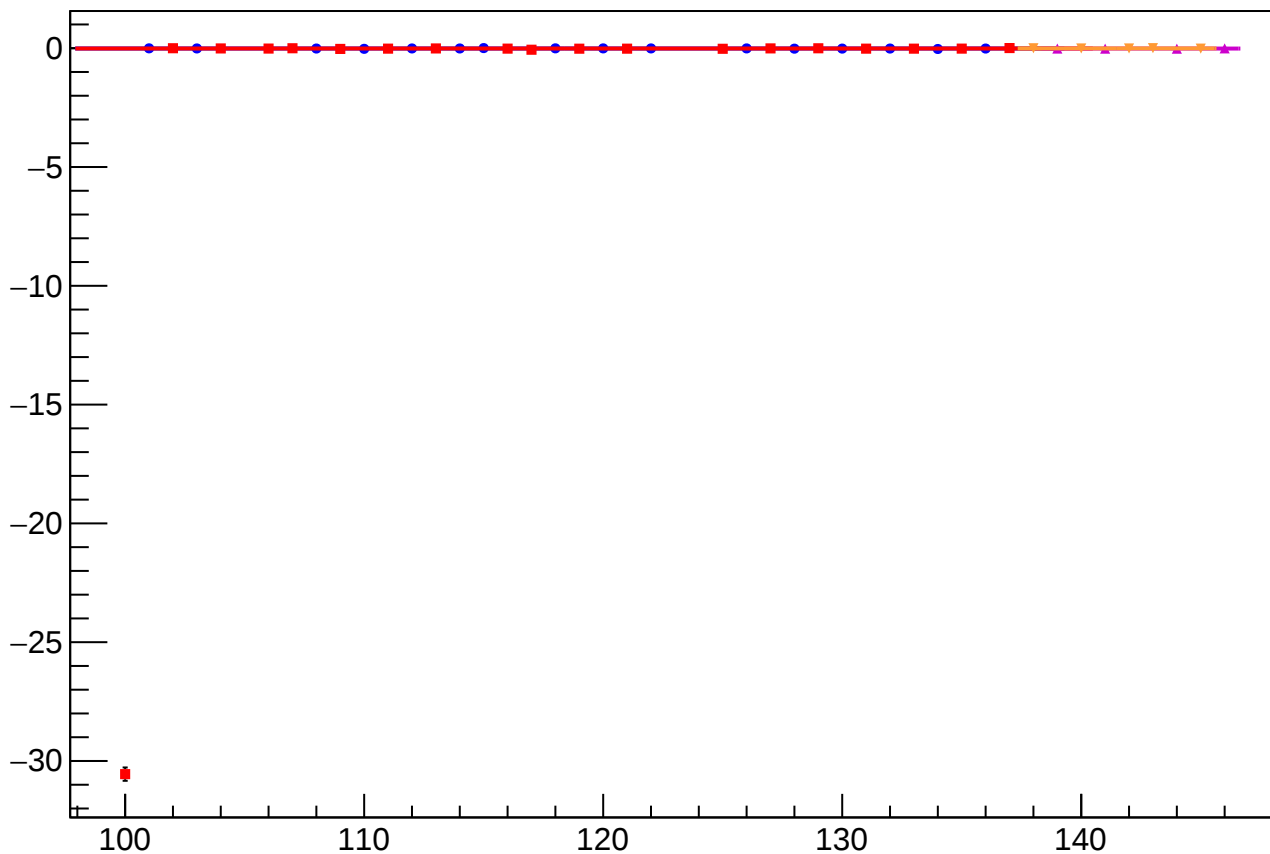
Right Out: 0.061 ± 0.034 χ^2/NDF : 23.1/18

Left In: 0.048 ± 0.048 χ^2/NDF : 9.3/3

0.027 ± 0.027 χ^2/NDF : 20.9/20

0.056 ± 0.028 χ^2/NDF : 32.4/22

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.007 $\pm$ 0.002 χ^2 /NDF:11.0/4

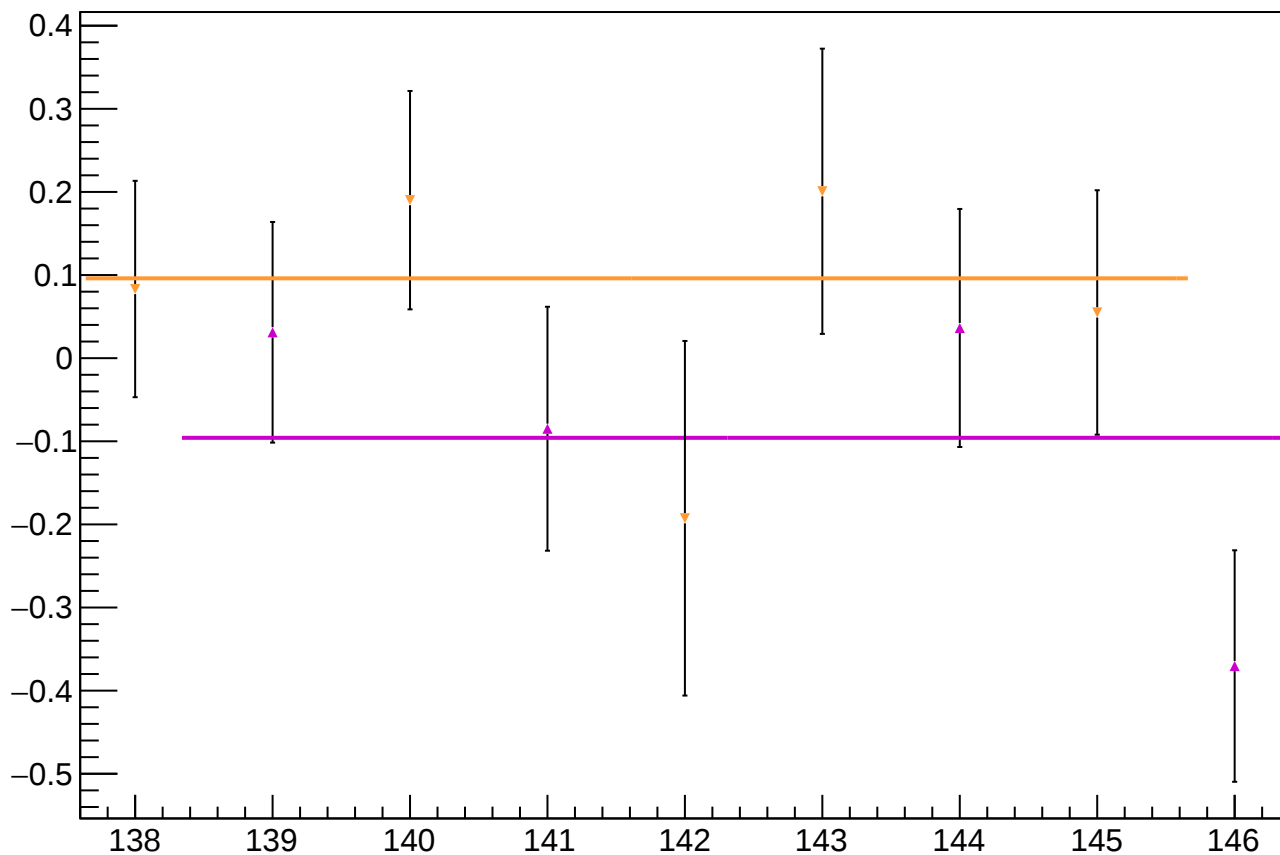
Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11894.0/18

Left In: -0.015 $\pm$ 0.002 χ^2 /NDF:4.9/3

-0.010 $\pm$ 0.001 χ^2 /NDF: 26.6/20

-0.013 $\pm$ 0.001 χ^2 /NDF: 11899.6/22

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: 0.096 $\pm$ 0.068 χ^2 /NDF: 2.8/4

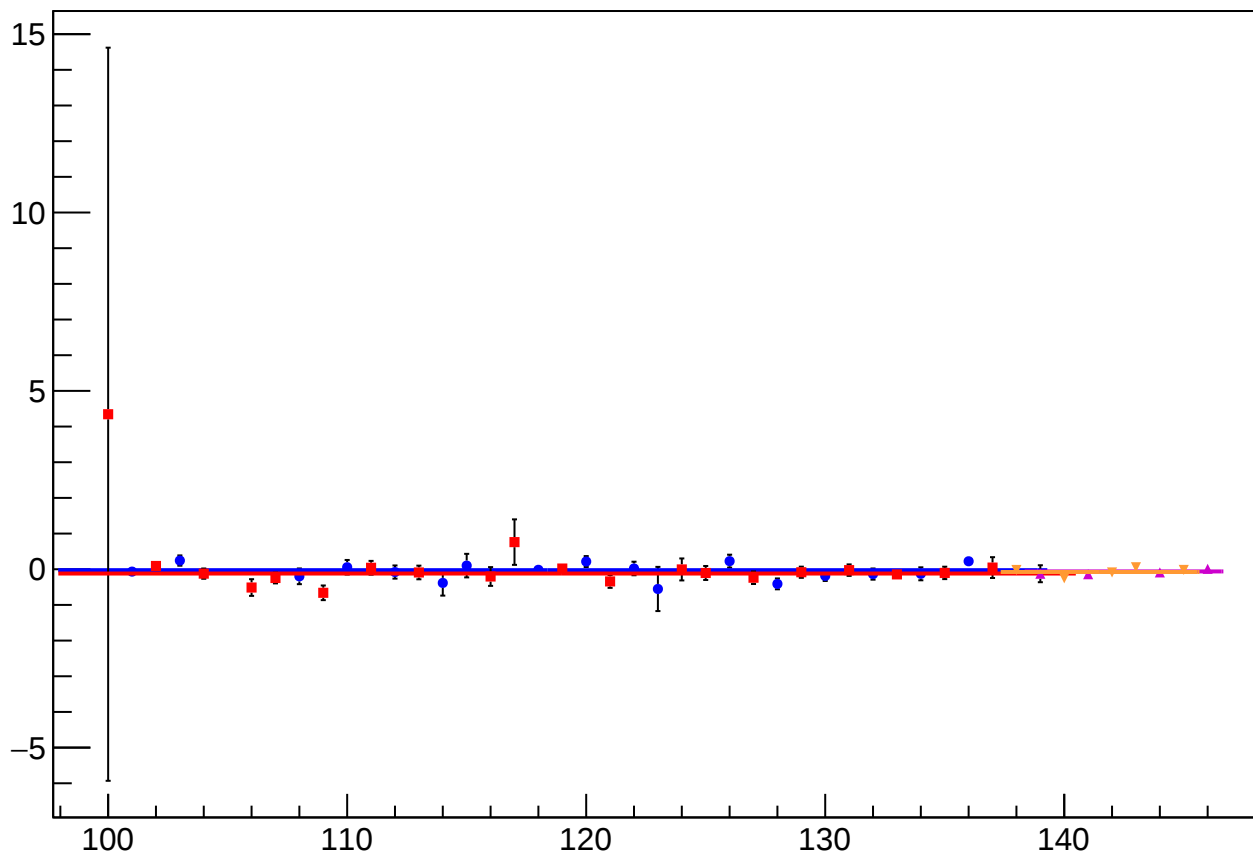
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.096 $\pm$ 0.070 χ^2 /NDF: 5.7/3

0.096 $\pm$ 0.068 χ^2 /NDF: 2.8/4

-0.096 $\pm$ 0.070 χ^2 /NDF: 5.7/3

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026+/-0.037 χ^2/NDF : 22.7/16

Left Out: -0.077+/-0.055 χ^2/NDF : 4.3/4

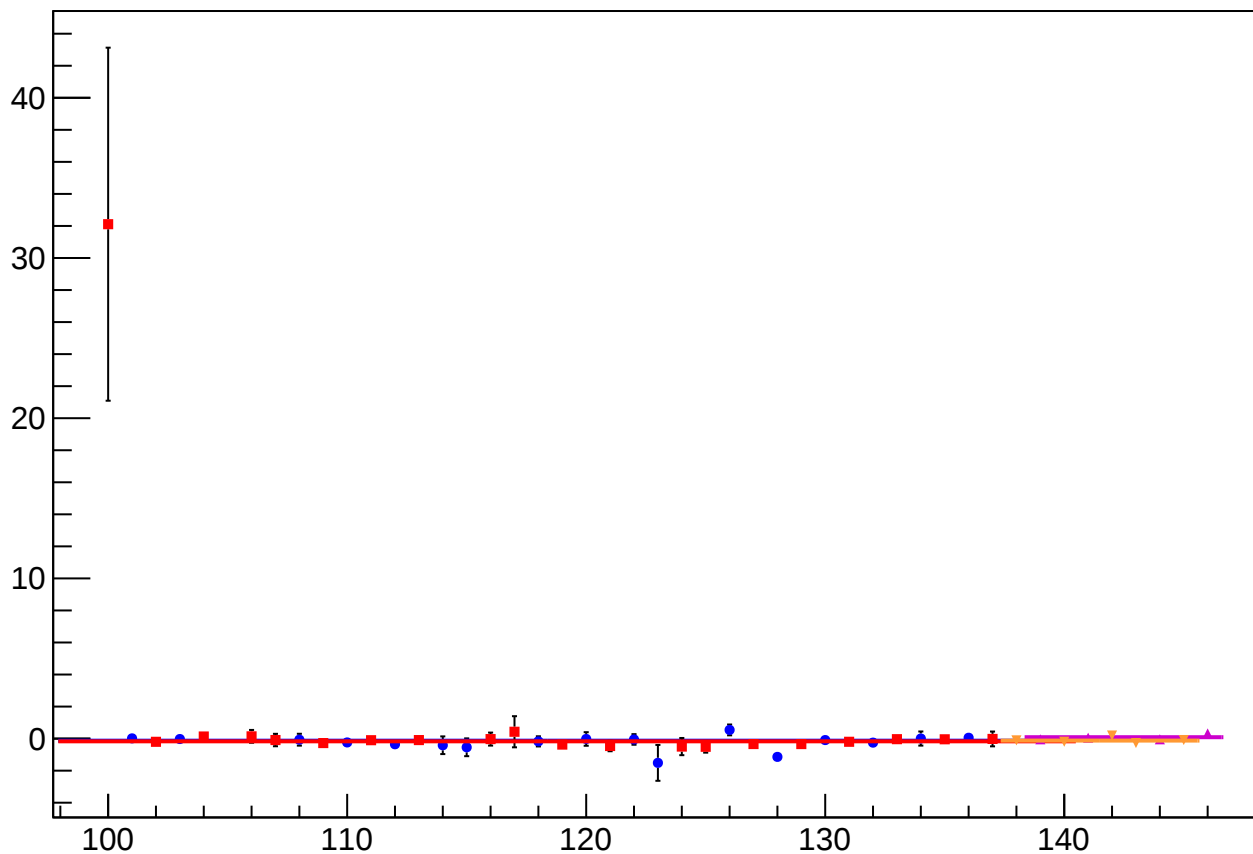
Right Out: -0.120+/-0.039 χ^2/NDF : 20.2/19

Left In: -0.061+/-0.053 χ^2/NDF : 1.5/3

-0.042+/-0.031 χ^2/NDF : 27.6/21

-0.100+/-0.032 χ^2/NDF : 22.5/23

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: -0.123 ± 0.072 χ^2/NDF : 2.9/4

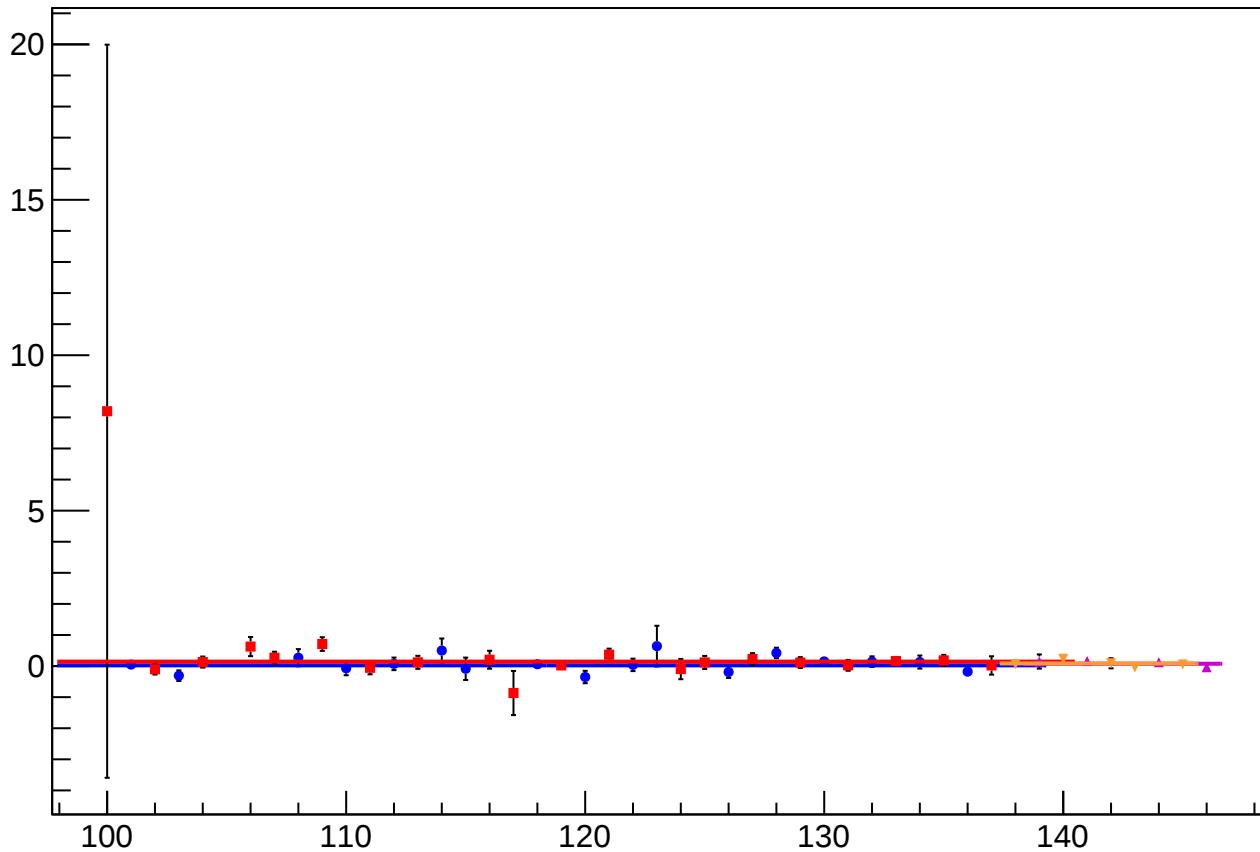
Right Out: -0.169 ± 0.071 χ^2/NDF : 15.3/19

Left In: 0.088 ± 0.073 χ^2/NDF : 4.7/3

-0.126 ± 0.049 χ^2/NDF : 26.0/21

-0.044 ± 0.051 χ^2/NDF : 26.4/23

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.084 ± 0.065 χ^2/NDF : 2.2/4

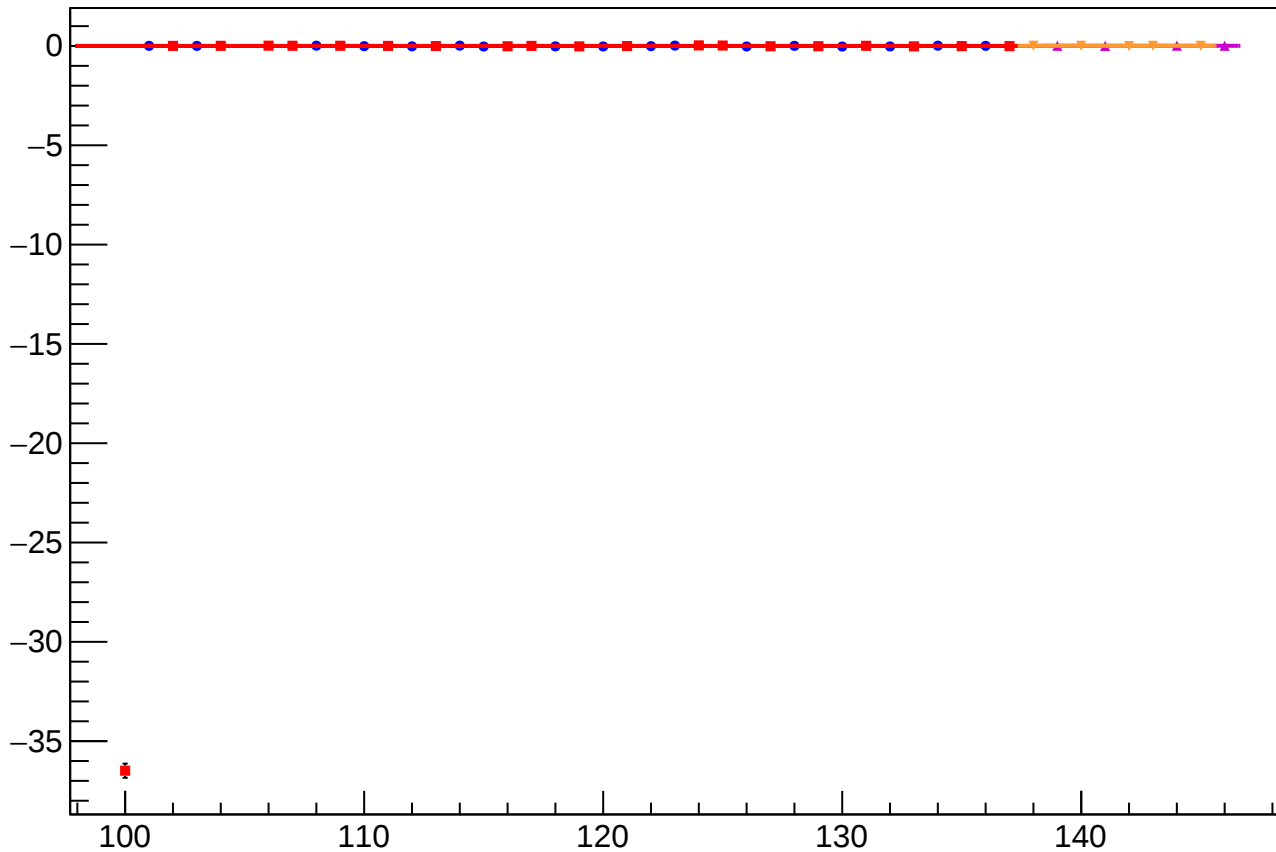
Right Out: 0.144 ± 0.045 χ^2/NDF : 18.6/19

Left In: 0.075 ± 0.065 χ^2/NDF : 1.9/3

0.041 ± 0.036 χ^2/NDF : 24.2/21

0.121 ± 0.037 χ^2/NDF : 21.3/23

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 30.6/16

Left Out: 0.009+/-0.003 χ^2/NDF : 3.2/4

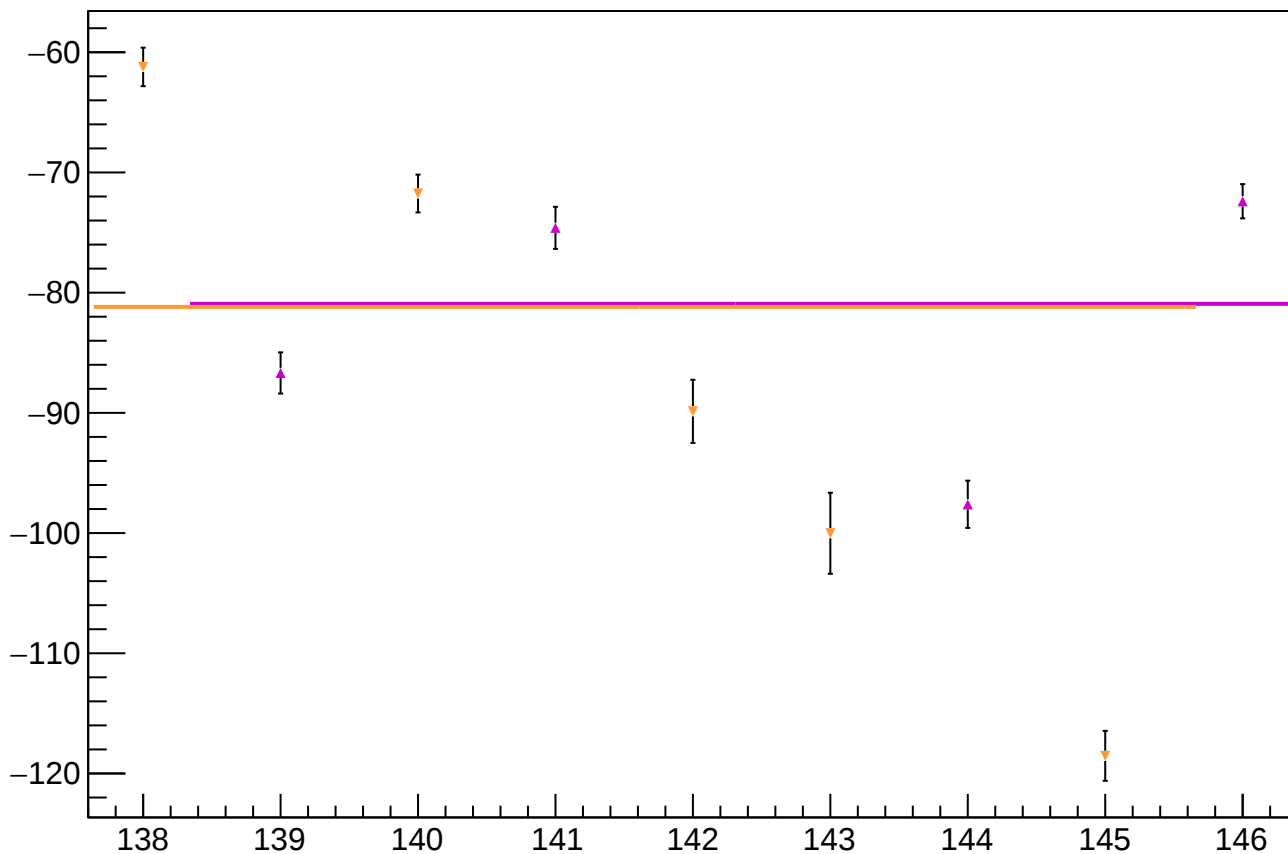
Right Out: 0.001+/-0.002 χ^2/NDF : 10449.1/19

Left In: 0.010+/-0.003 χ^2/NDF : 1.7/3

0.004+/-0.002 χ^2/NDF : 37.7/21

0.004+/-0.002 χ^2/NDF : 10457.0/23

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -81.185+/-0.891 χ^2/NDF : 557.2/4

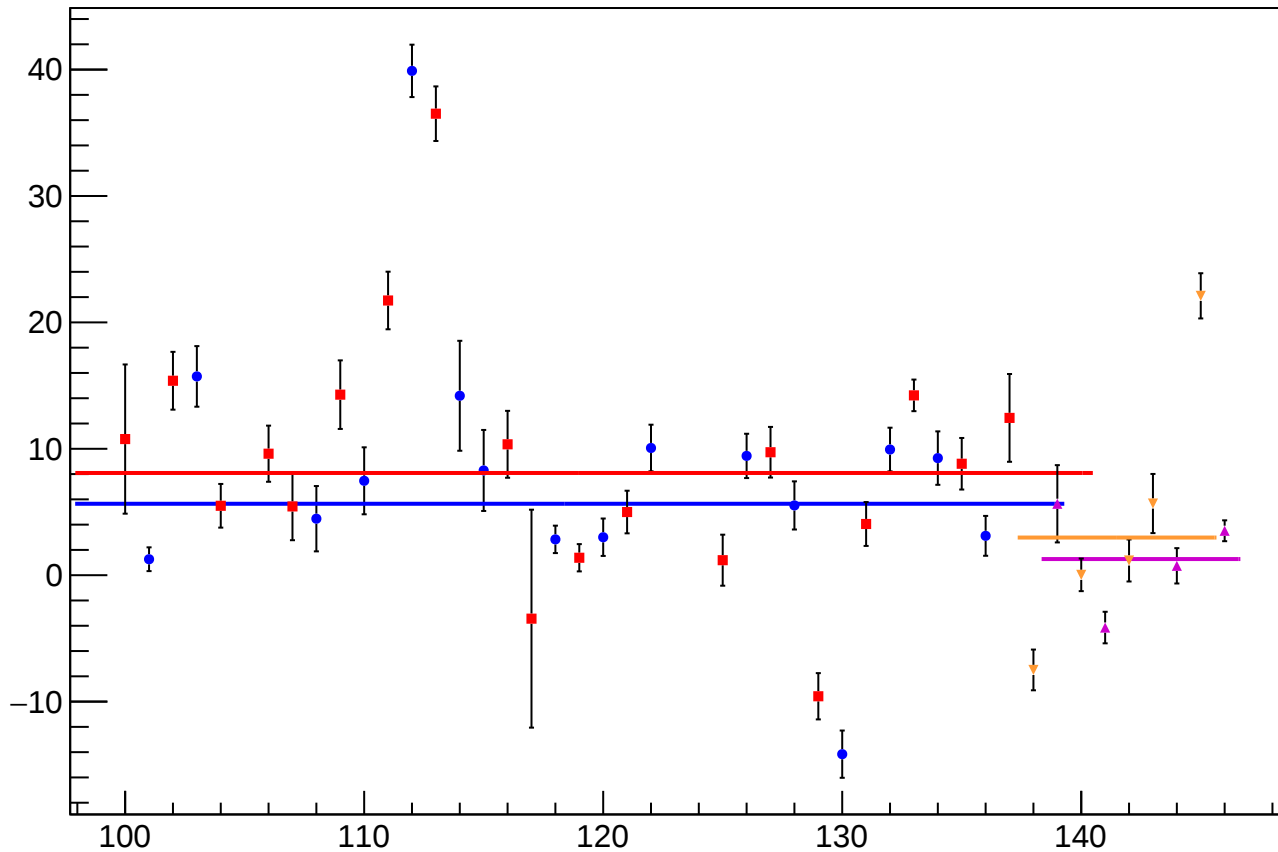
-81.185+/-0.891 χ^2/NDF : 557.2/4

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

-80.928+/-0.839 χ^2/NDF : 132.3/3

Left In: -80.928+/-0.839 χ^2/NDF : 132.3/3

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 2.979 ± 0.736 χ^2/NDF : 164.4/4

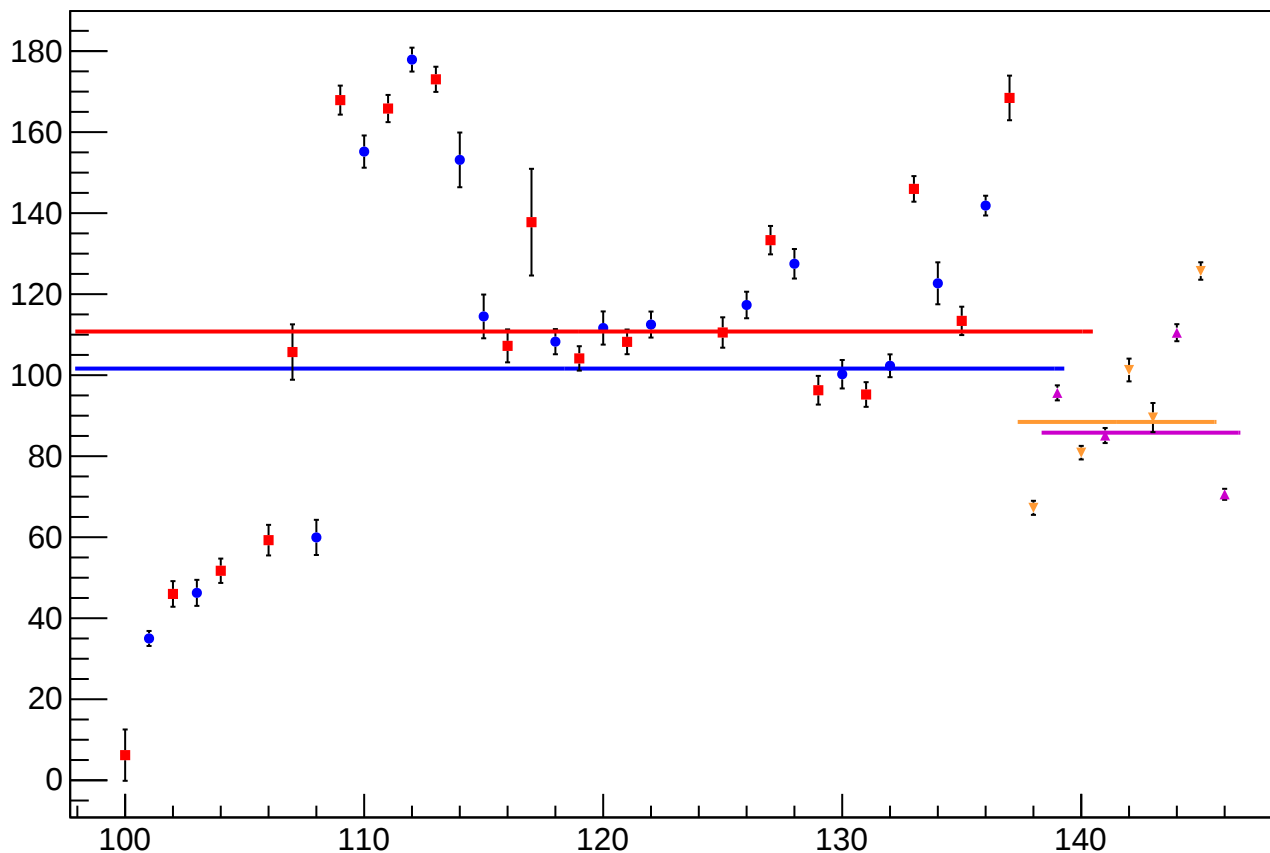
Right Out: 8.087 ± 0.452 χ^2/NDF : 409.7/18

Left In: 1.277 ± 0.606 χ^2/NDF : 28.4/3

4.973 ± 0.371 χ^2/NDF : 636.1/20

5.651 ± 0.362 χ^2/NDF : 519.3/22

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 88.459 $\pm$ 0.950 χ^2 /NDF: 489.6/4

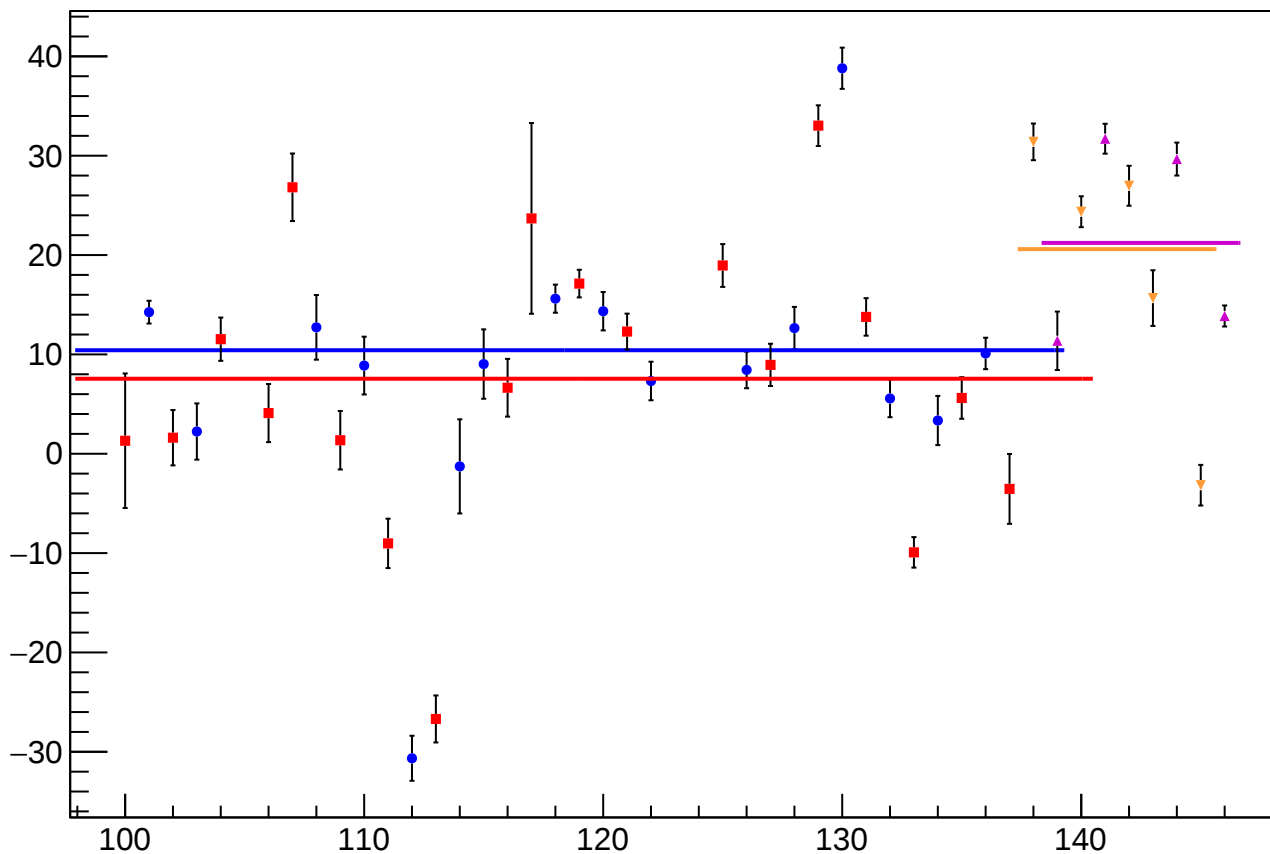
Right Out: 110.778 $\pm$ 0.834 χ^2 /NDF: 2518.3/18

Left In: 85.806 $\pm$ 0.862 χ^2 /NDF: 291.2/3

96.073 $\pm$ 0.617 χ^2 /NDF: 3580.7/20

98.698 $\pm$ 0.600 χ^2 /NDF: 3242.8/22

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 20.595 ± 0.870 $\chi^2/\text{NDF}: 188.1/4$

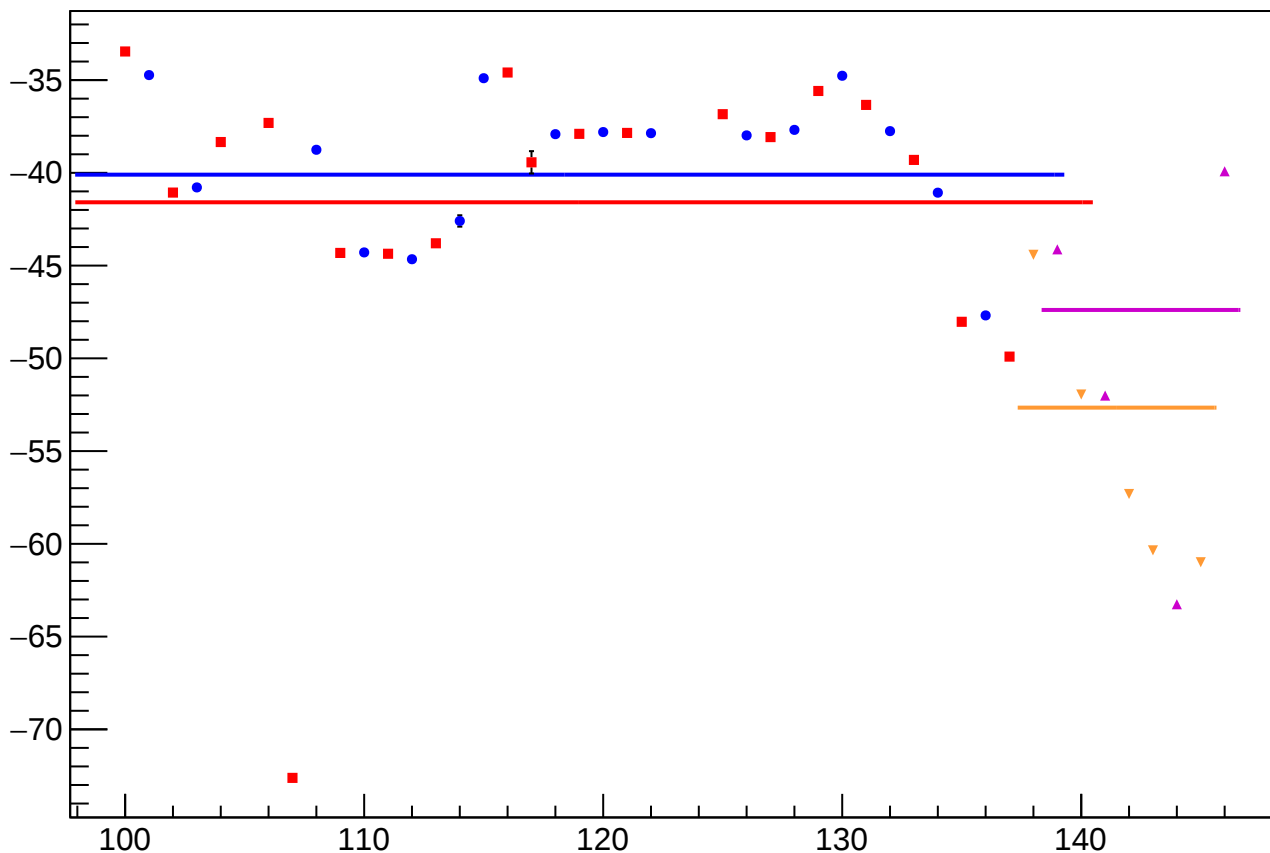
Right Out: 7.550 ± 0.522 $\chi^2/\text{NDF}: 692.3/18$

Left In: 21.222 ± 0.742 $\chi^2/\text{NDF}: 134.2/3$

12.925 ± 0.432 $\chi^2/\text{NDF}: 870.9/20$

12.081 ± 0.427 $\chi^2/\text{NDF}: 1053.4/22$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -52.657 ± 0.039 $\chi^2/\text{NDF}: 28565.6/4$

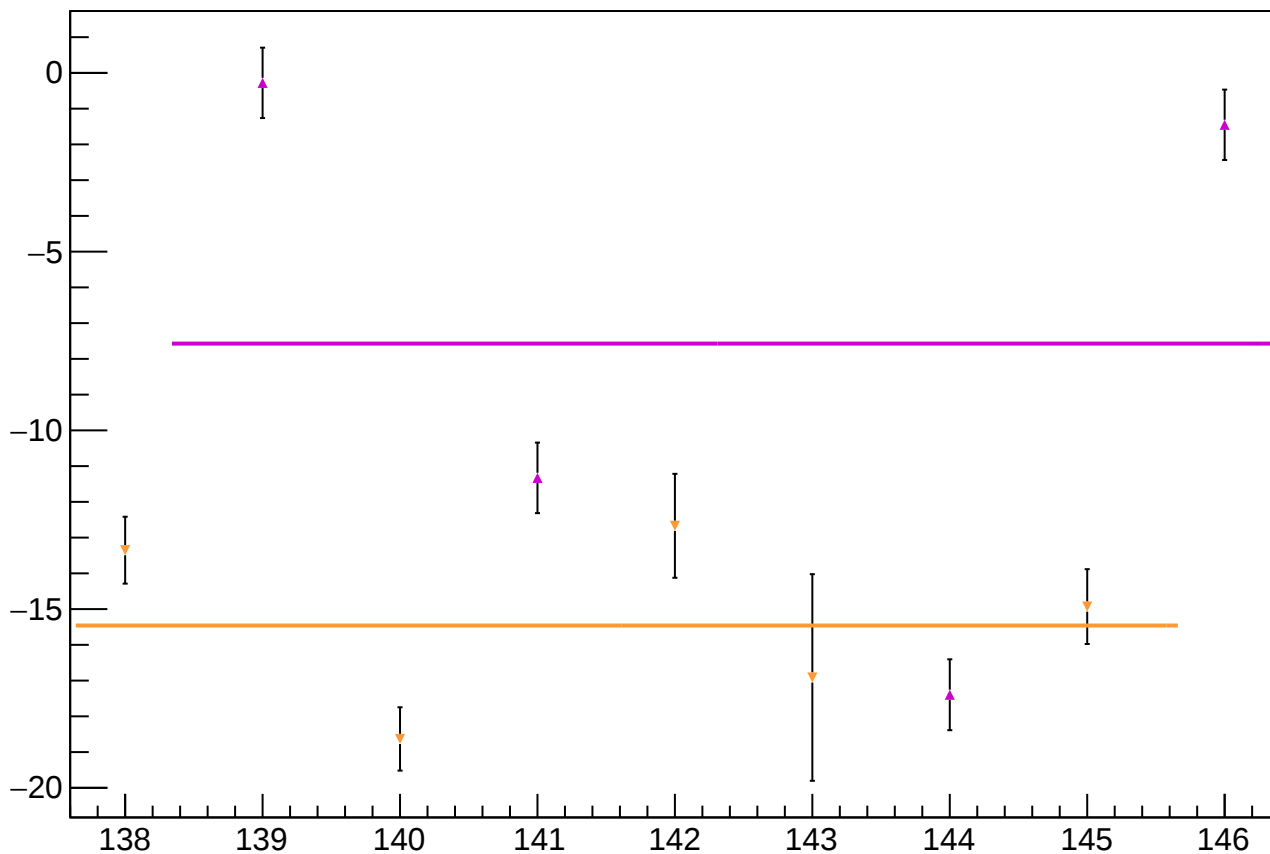
Right Out: -41.588 ± 0.029 $\chi^2/\text{NDF}: 61690.5/18$

Left In: -47.392 ± 0.036 $\chi^2/\text{NDF}: 50143.3/3$

-44.453 ± 0.023 $\chi^2/\text{NDF}: 121846.9/20$

-43.855 ± 0.022 $\chi^2/\text{NDF}: 127961.3/22$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -15.459+/-0.505 χ^2/NDF : 22.1/4

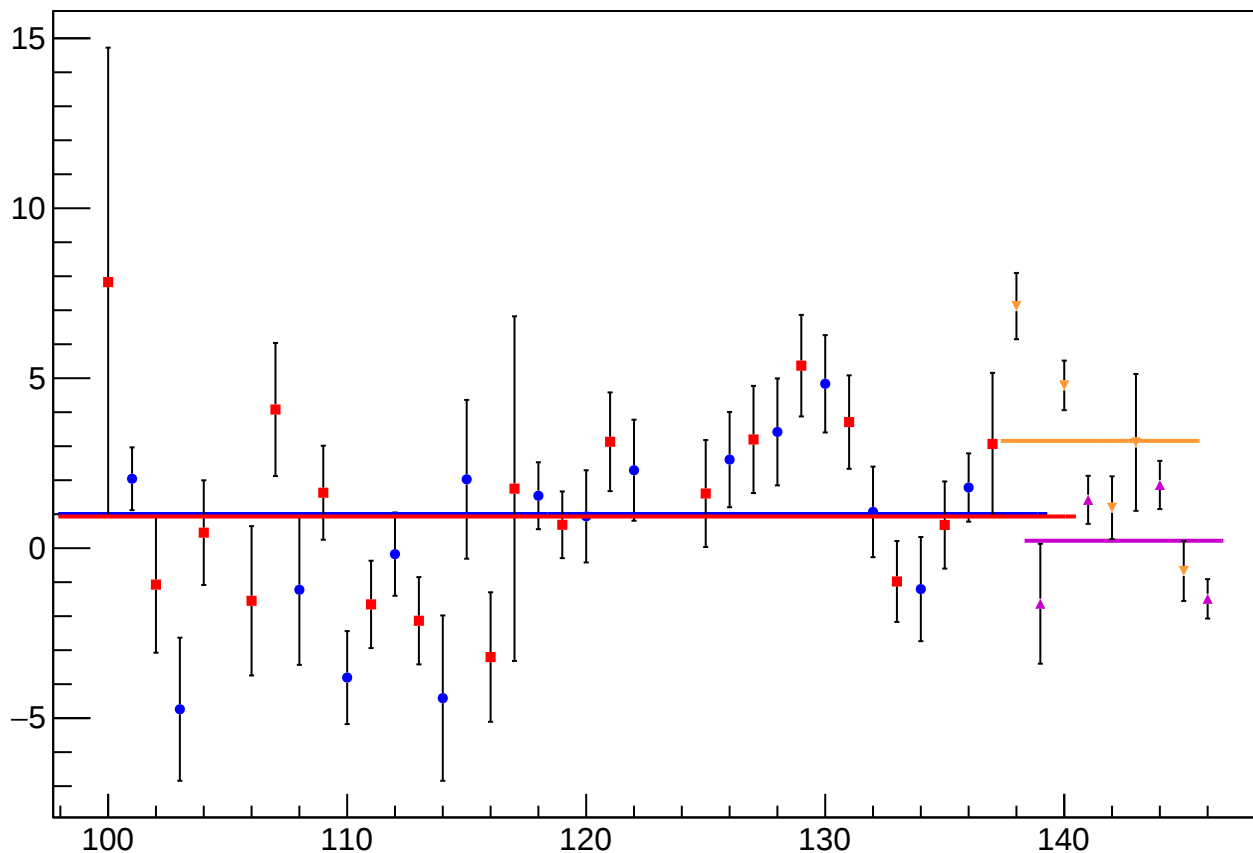
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -7.572+/-0.493 χ^2/NDF : 206.2/3

-15.459+/-0.505 χ^2/NDF : 22.1/4

-7.572+/-0.493 χ^2/NDF : 206.2/3

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 3.157 ± 0.421 $\chi^2/\text{NDF}: 45.0/4$

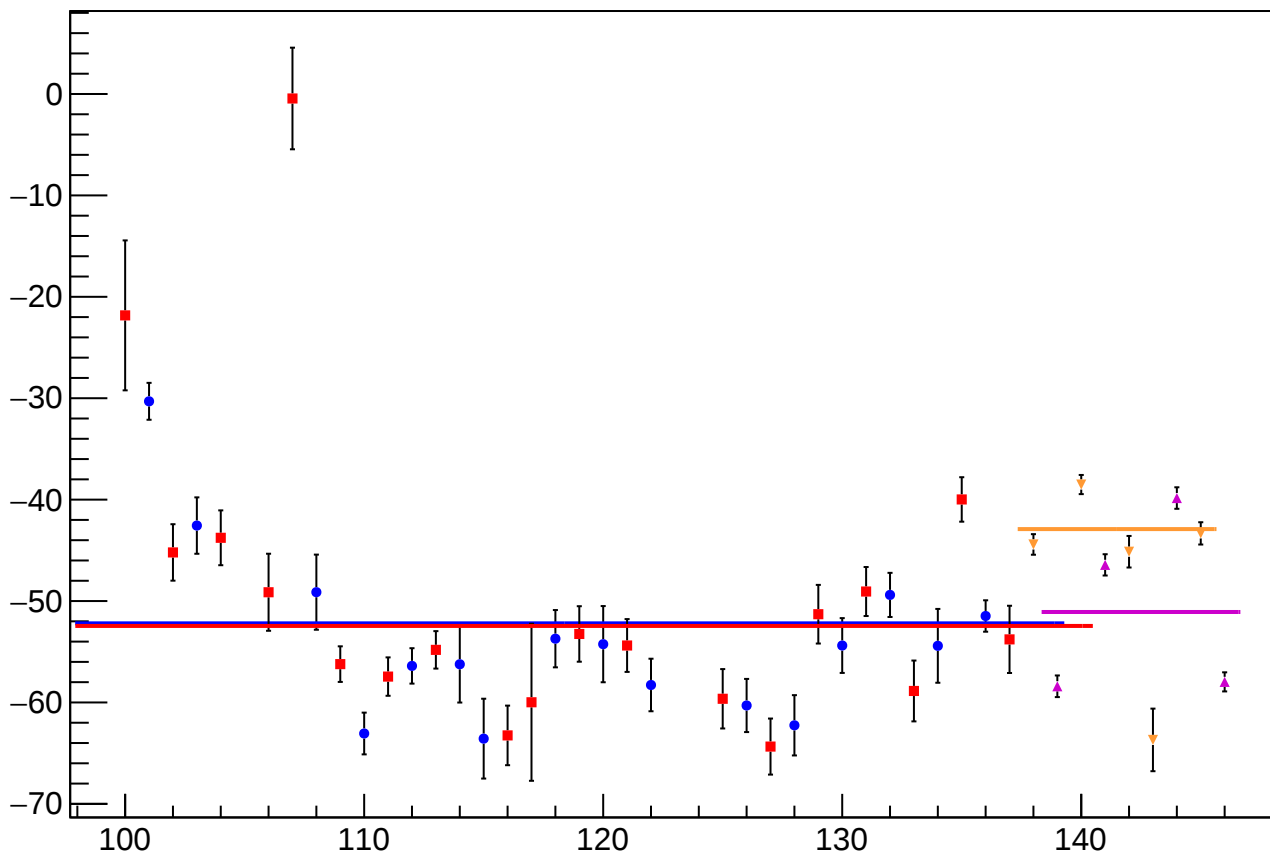
Right Out: 0.933 ± 0.352 $\chi^2/\text{NDF}: 41.9/18$

Left In: 0.219 ± 0.370 $\chi^2/\text{NDF}: 18.0/3$

1.860 ± 0.265 $\chi^2/\text{NDF}: 103.5/20$

0.593 ± 0.255 $\chi^2/\text{NDF}: 61.9/22$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -42.905 ± 0.539 χ^2/NDF : 71.5/4

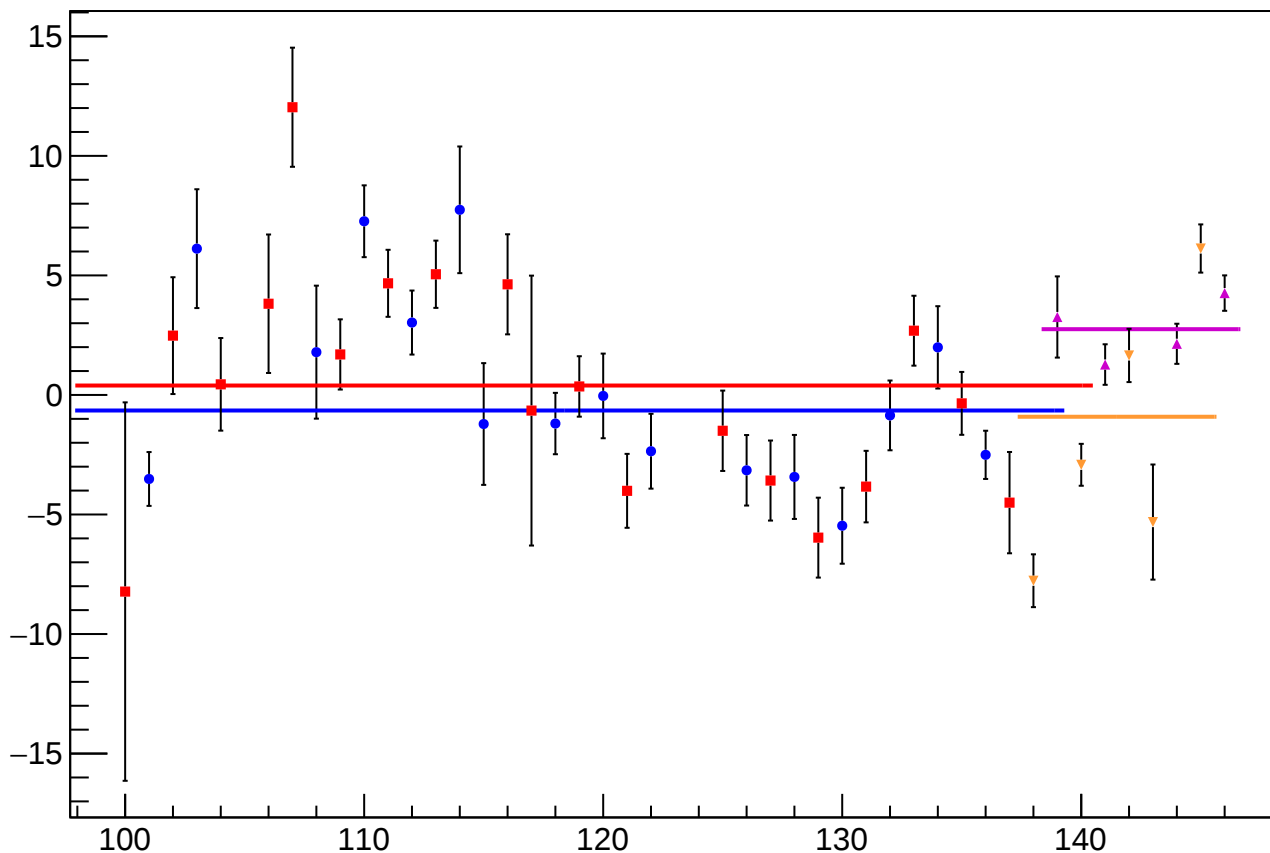
Right Out: -52.455 ± 0.614 χ^2/NDF : 234.8/18

Left In: -51.079 ± 0.513 χ^2/NDF : 232.5/3

-46.948 ± 0.405 χ^2/NDF : 431.3/20

-51.644 ± 0.394 χ^2/NDF : 470.3/22

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: -0.912 ± 0.495 χ^2/NDF : 101.2/4

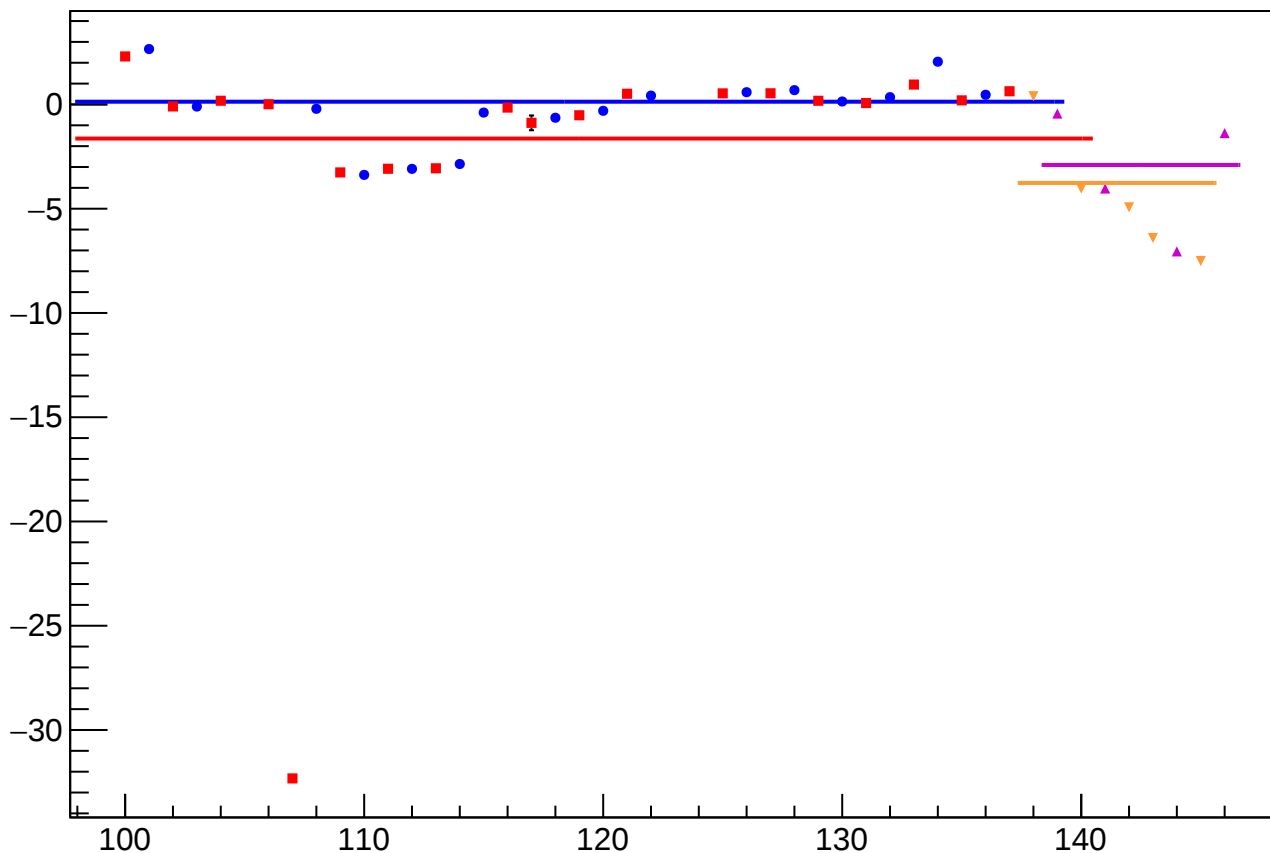
Right Out: 0.394 ± 0.398 χ^2/NDF : 95.9/18

Left In: 2.751 ± 0.448 χ^2/NDF : 7.8/3

-0.750 ± 0.305 χ^2/NDF : 183.3/20

1.435 ± 0.298 χ^2/NDF : 119.2/22

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -3.765 ± 0.022 $\chi^2/\text{NDF}: 19333.3/4$

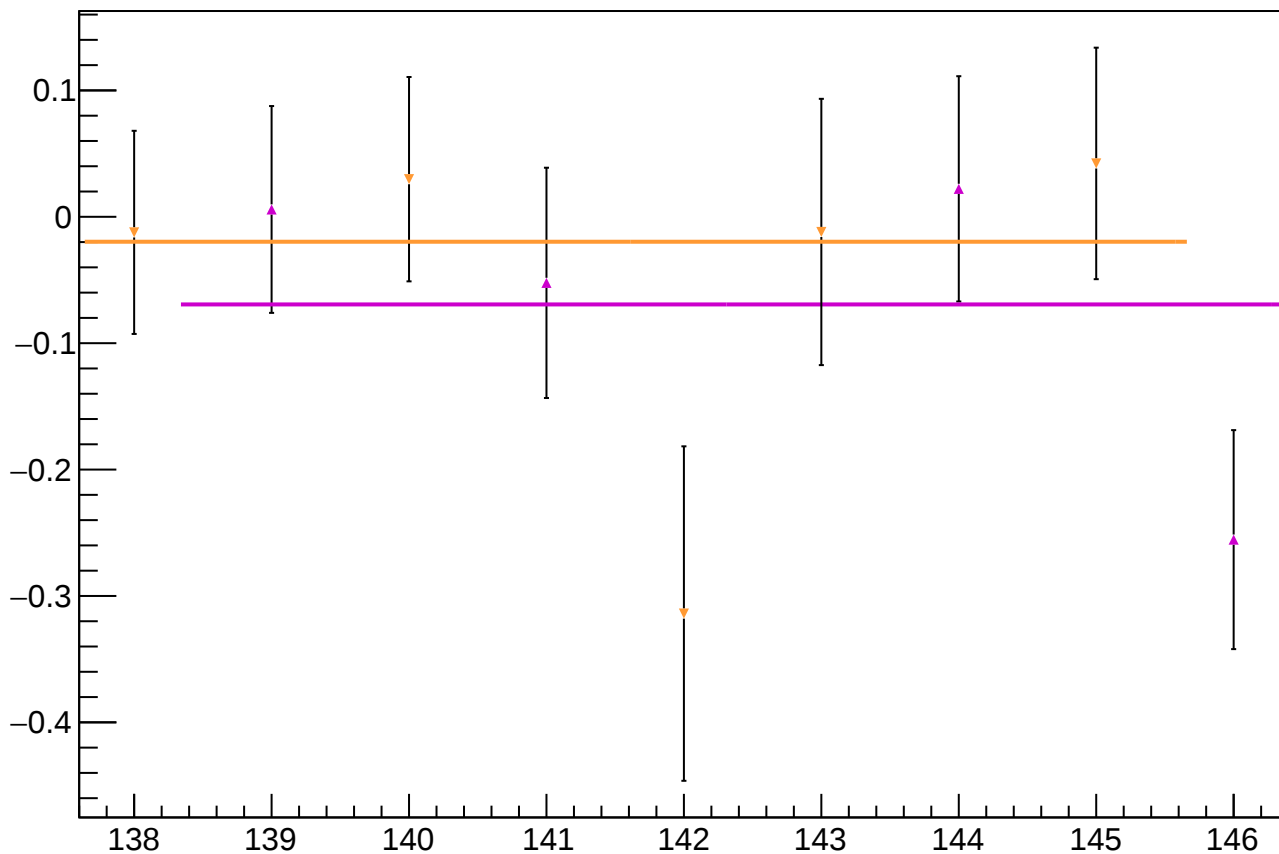
Right Out: -1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

Left In: -2.903 ± 0.021 $\chi^2/\text{NDF}: 14260.0/3$

-1.787 ± 0.015 $\chi^2/\text{NDF}: 40670.3/20$

-2.292 ± 0.015 $\chi^2/\text{NDF}: 93865.7/22$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.020+/-0.042 χ^2/NDF : 5.8/4

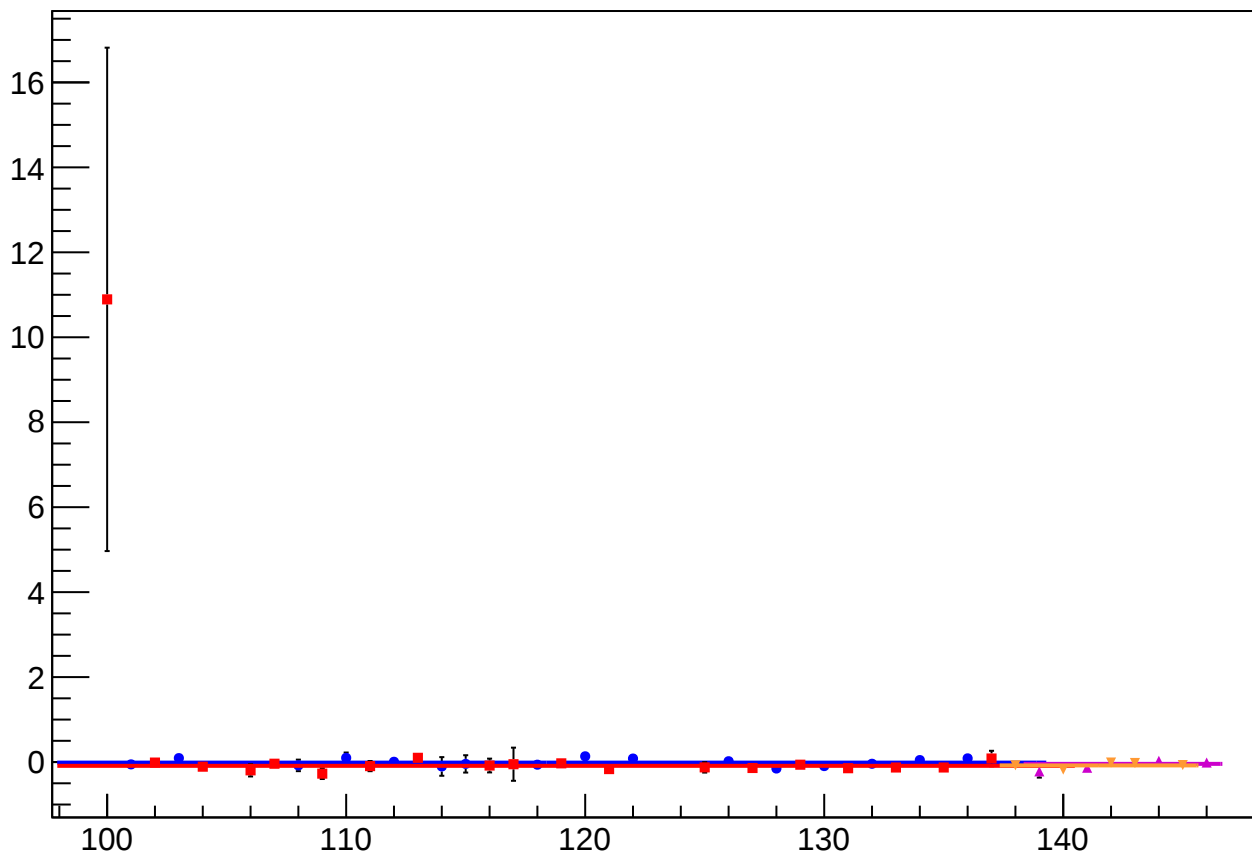
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.069+/-0.043 χ^2/NDF : 6.5/3

-0.020+/-0.042 χ^2/NDF : 5.8/4

-0.069+/-0.043 χ^2/NDF : 6.5/3

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.079 ± 0.034 χ^2/NDF : 3.4/4

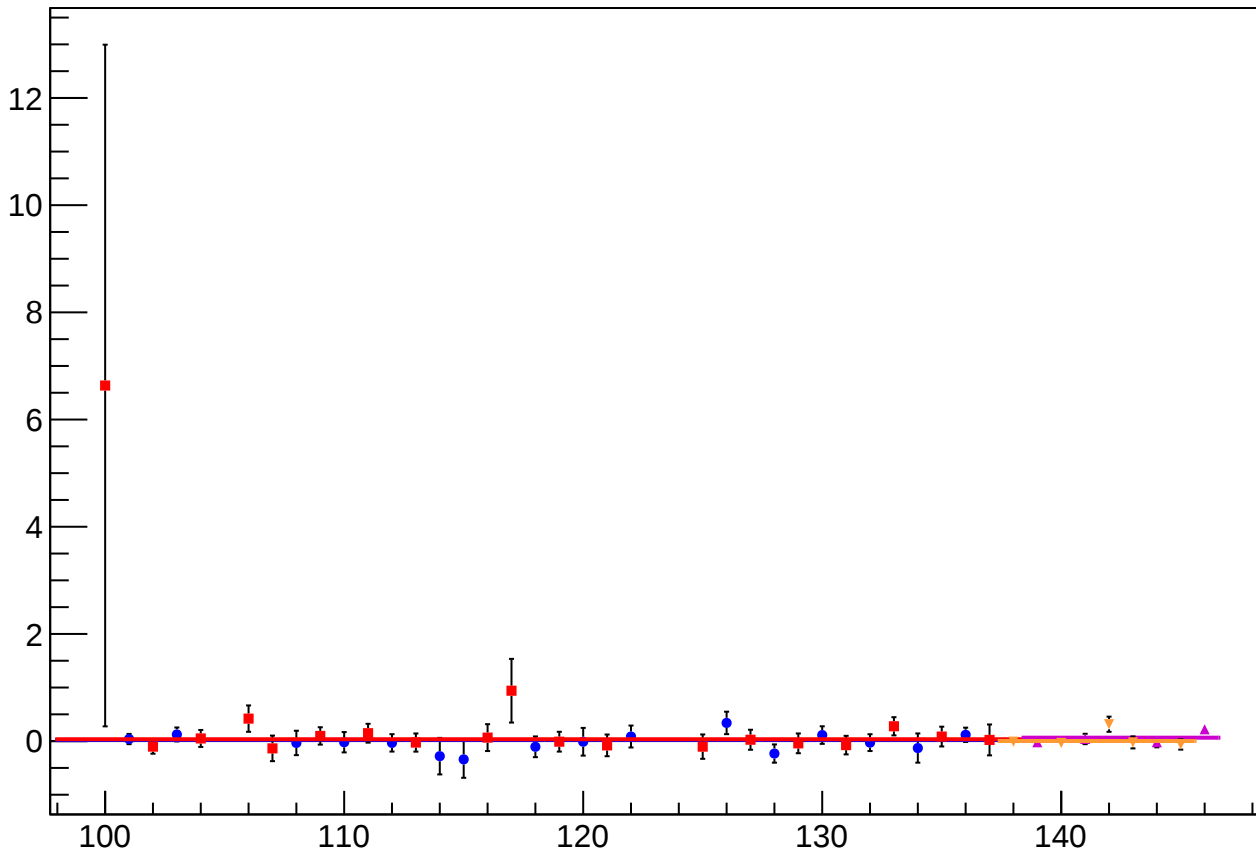
Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/18

Left In: -0.043 ± 0.033 χ^2/NDF : 5.0/3

-0.034 ± 0.019 χ^2/NDF : 17.6/20

-0.073 ± 0.020 χ^2/NDF : 19.2/22

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.003 $\pm$ 0.045 χ^2 /NDF: 5.6/4

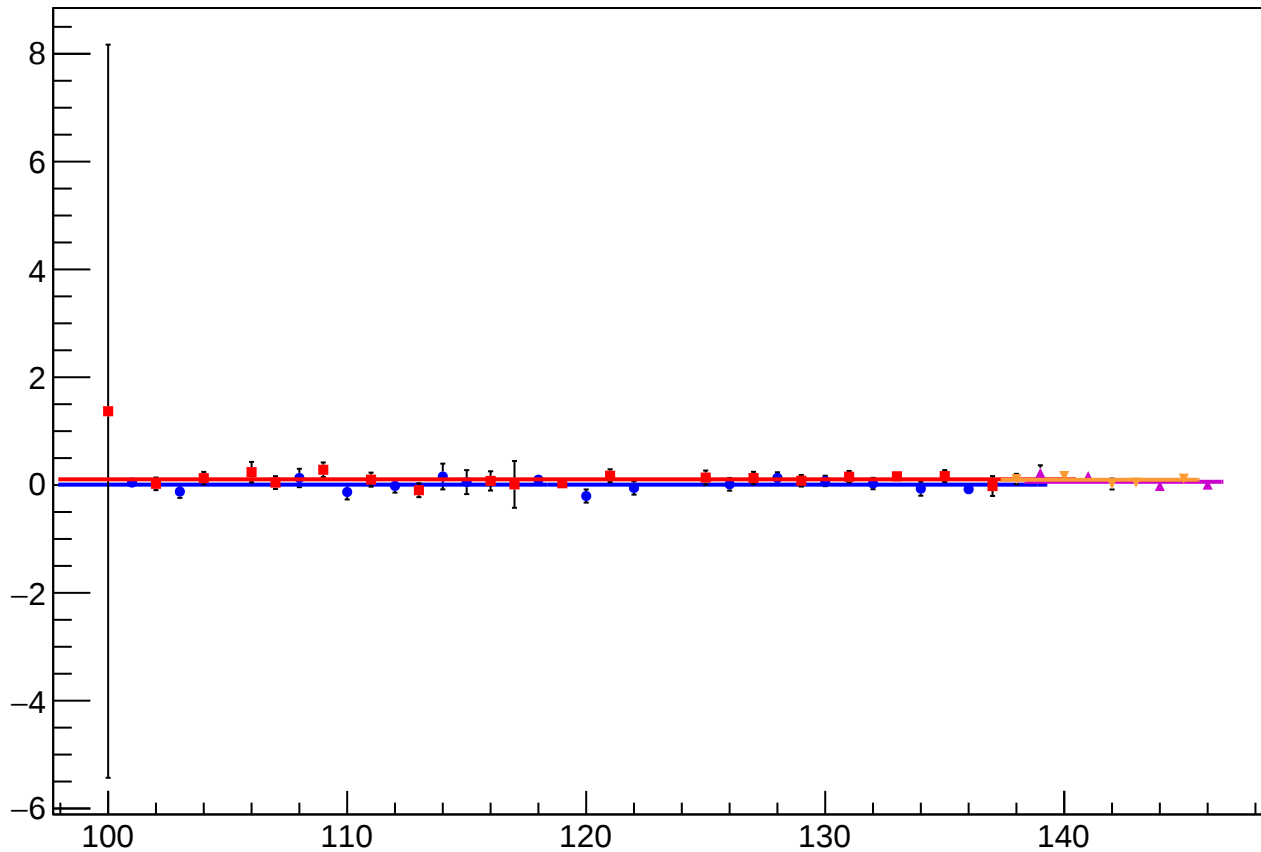
Right Out: 0.035 $\pm$ 0.045 χ^2 /NDF: 11.6/18

Left In: 0.064 $\pm$ 0.045 χ^2 /NDF: 5.3/3

0.012 $\pm$ 0.031 χ^2 /NDF: 14.7/20

0.050 $\pm$ 0.032 χ^2 /NDF: 17.1/22

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.098 ± 0.040 χ^2/NDF : 1.8/4

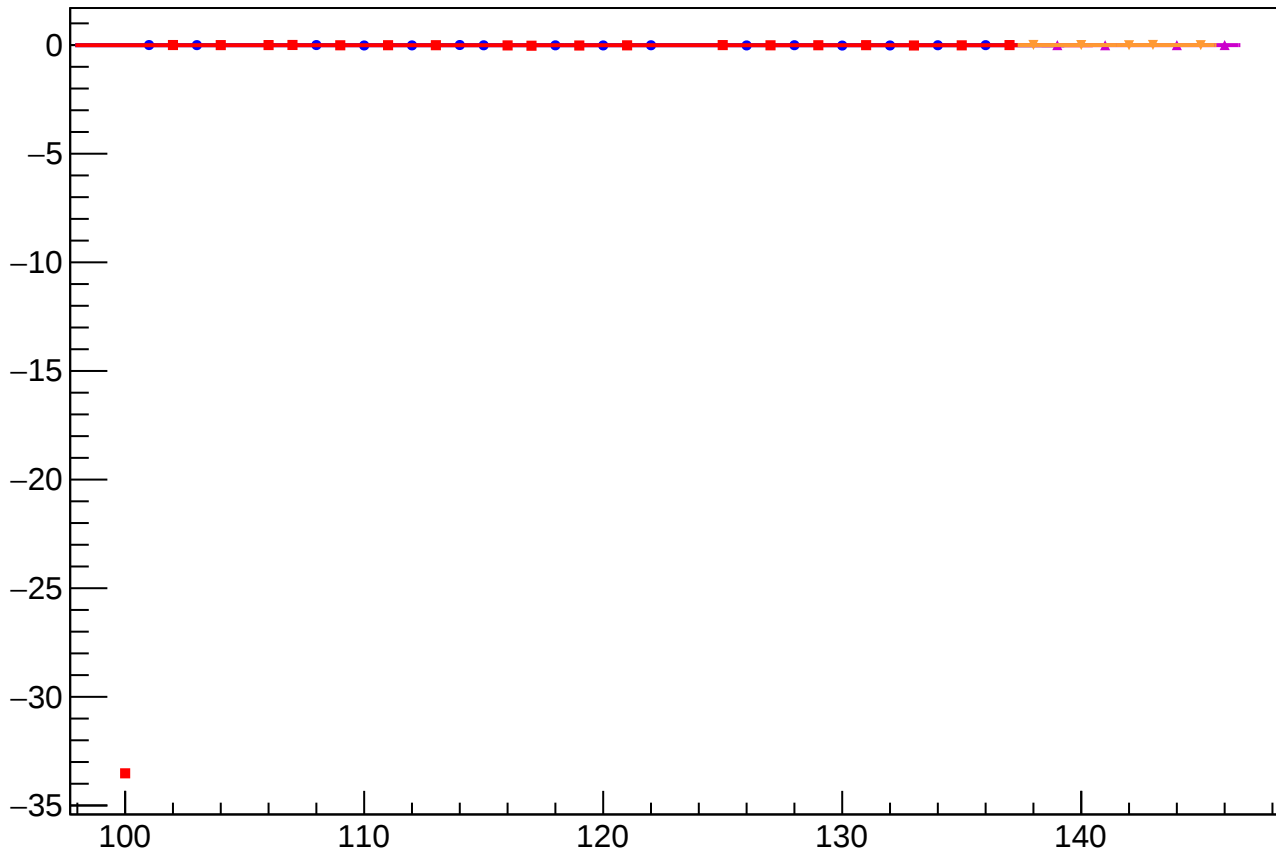
Right Out: 0.106 ± 0.029 χ^2/NDF : 8.2/18

Left In: 0.061 ± 0.040 χ^2/NDF : 4.8/3

0.036 ± 0.022 χ^2/NDF : 16.5/20

0.091 ± 0.023 χ^2/NDF : 13.9/22

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 ± 0.002 χ^2/NDF : 7.2/4

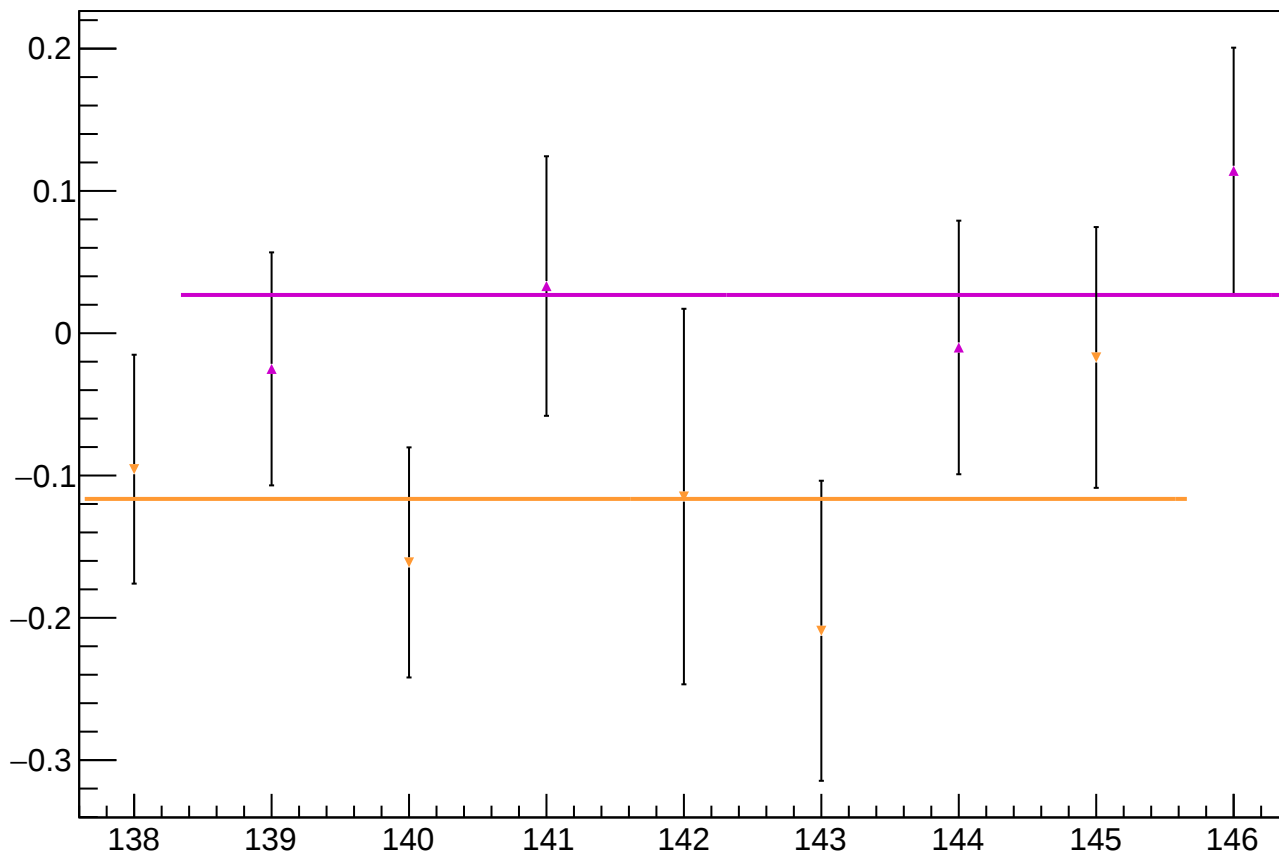
Right Out: -0.006 ± 0.001 χ^2/NDF : 26509.5/18

Left In: -0.002 ± 0.002 χ^2/NDF : 2.9/3

-0.003 ± 0.001 χ^2/NDF : 35.7/20

-0.004 ± 0.001 χ^2/NDF : 26515.1/22

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.116+/-0.042 χ^2/NDF : 2.3/4

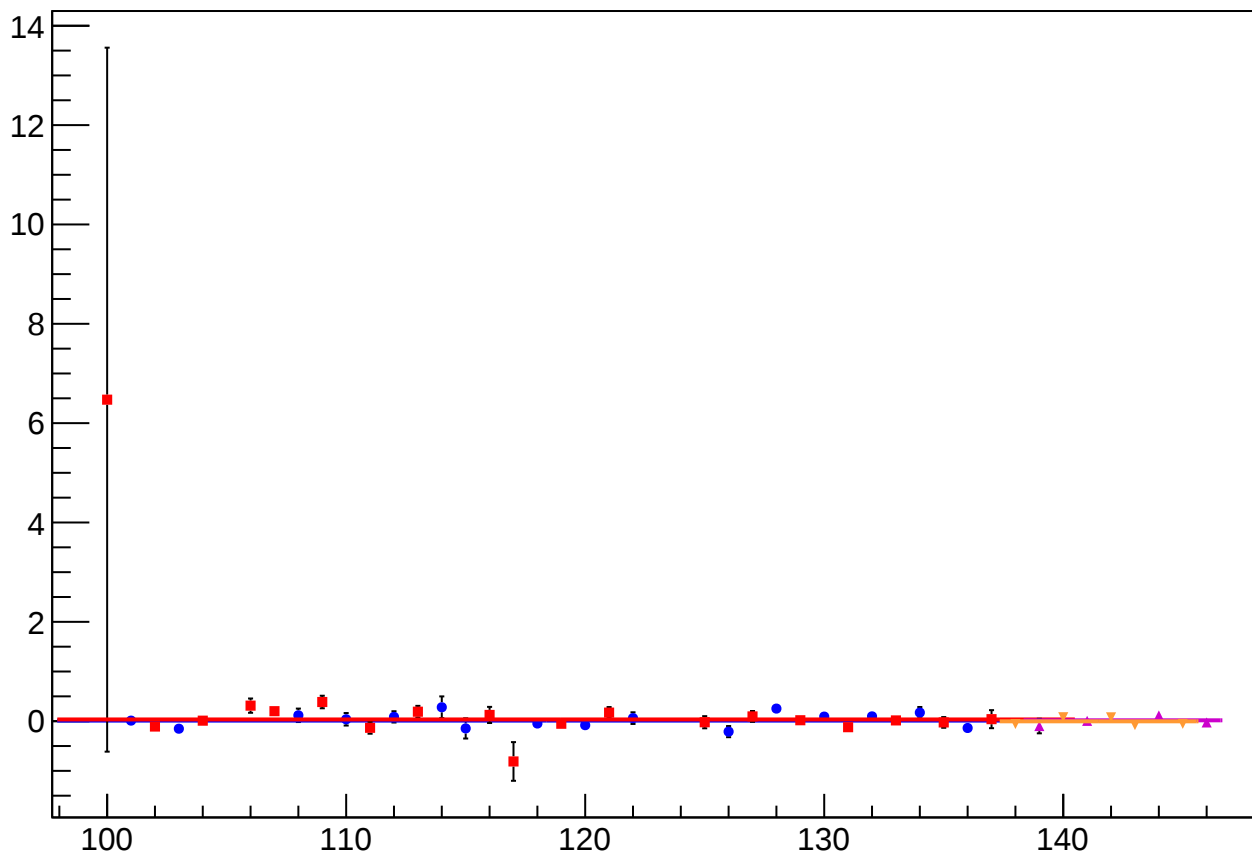
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.027+/-0.043 χ^2/NDF : 1.6/3

-0.116+/-0.042 χ^2/NDF : 2.3/4

0.027+/-0.043 χ^2/NDF : 1.6/3

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.002 ± 0.034 χ^2/NDF : 4.3/4

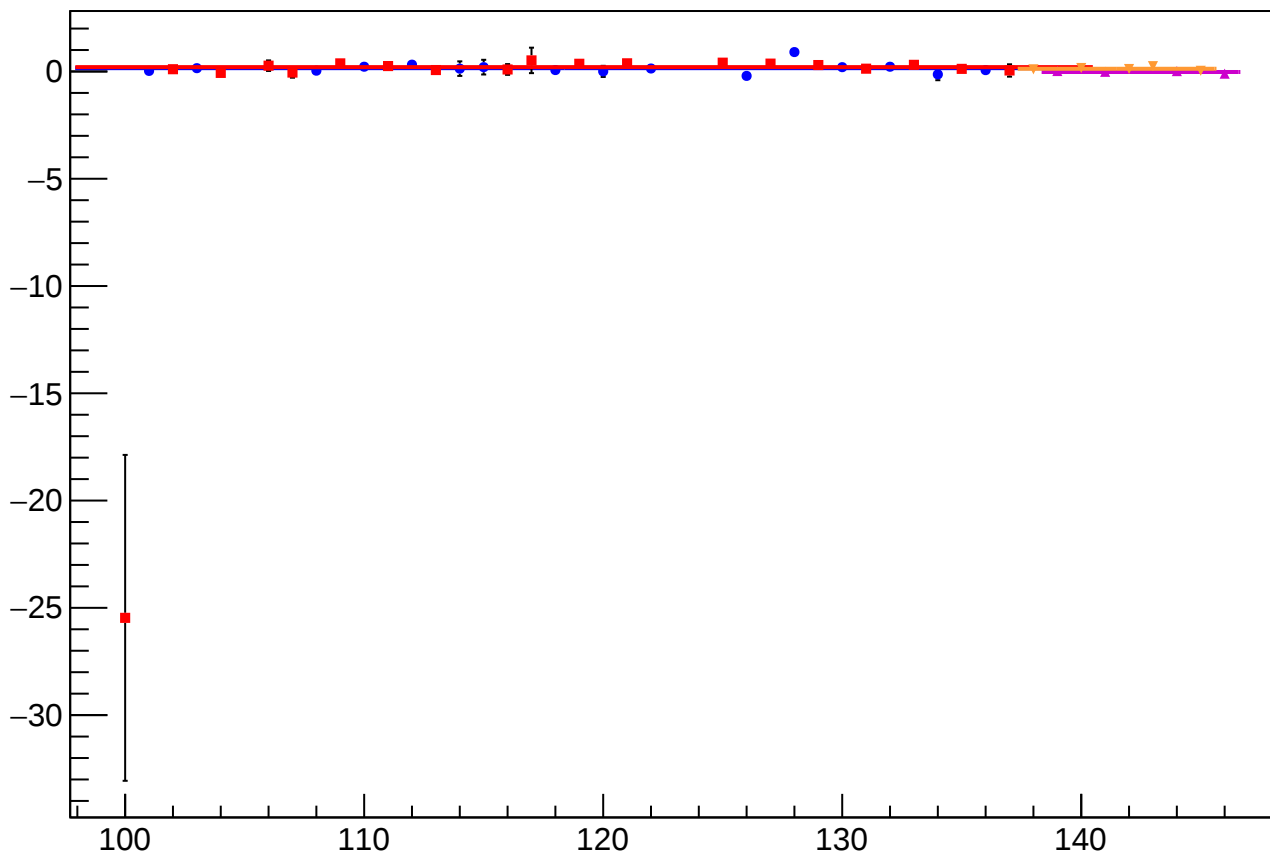
Right Out: 0.035 ± 0.025 χ^2/NDF : 33.2/18

Left In: 0.018 ± 0.033 χ^2/NDF : 3.7/3

0.008 ± 0.019 χ^2/NDF : 29.4/20

0.029 ± 0.020 χ^2/NDF : 37.1/22

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 ± 0.043 χ^2/NDF : 27.9/15

Left Out: 0.126 ± 0.045 χ^2/NDF : 2.4/4

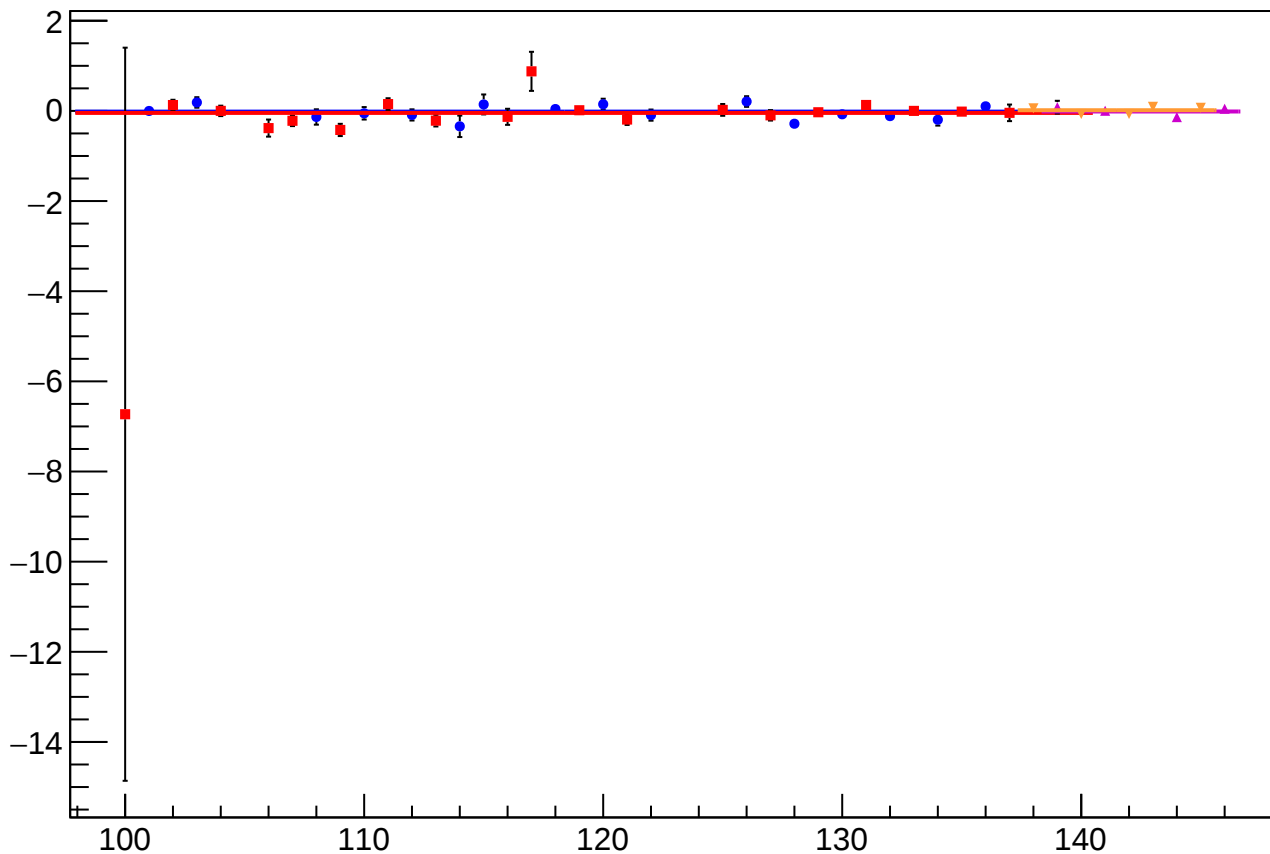
Right Out: 0.203 ± 0.045 χ^2/NDF : 22.9/18

Left In: -0.024 ± 0.045 χ^2/NDF : 1.3/3

0.141 ± 0.031 χ^2/NDF : 30.5/20

0.090 ± 0.032 χ^2/NDF : 36.9/22

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.015 ± 0.040 χ^2/NDF : 3.1/4

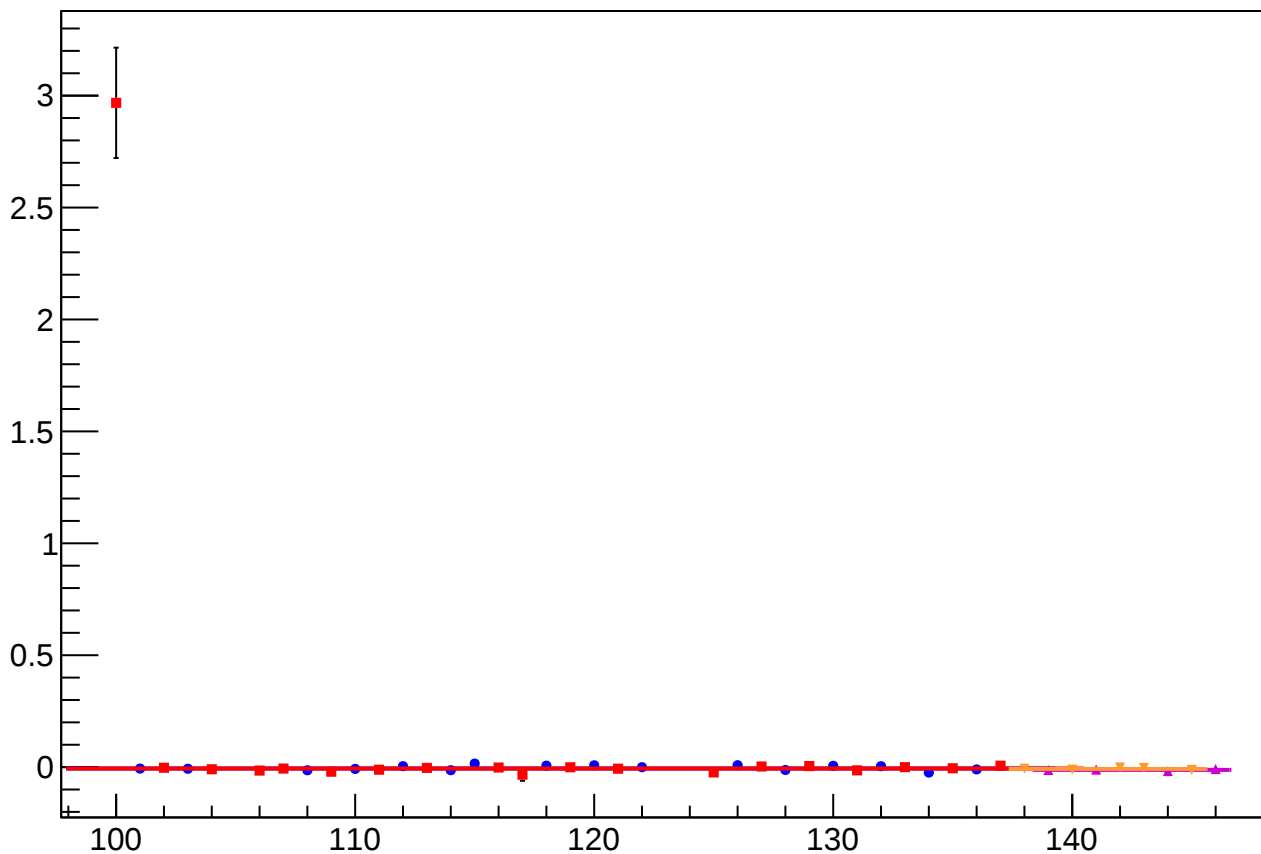
Right Out: -0.044 ± 0.029 χ^2/NDF : 30.5/18

Left In: -0.013 ± 0.040 χ^2/NDF : 4.1/3

-0.006 ± 0.022 χ^2/NDF : 27.8/20

-0.034 ± 0.023 χ^2/NDF : 35.0/22

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.008 ± 0.002 χ^2/NDF : 4.7/4

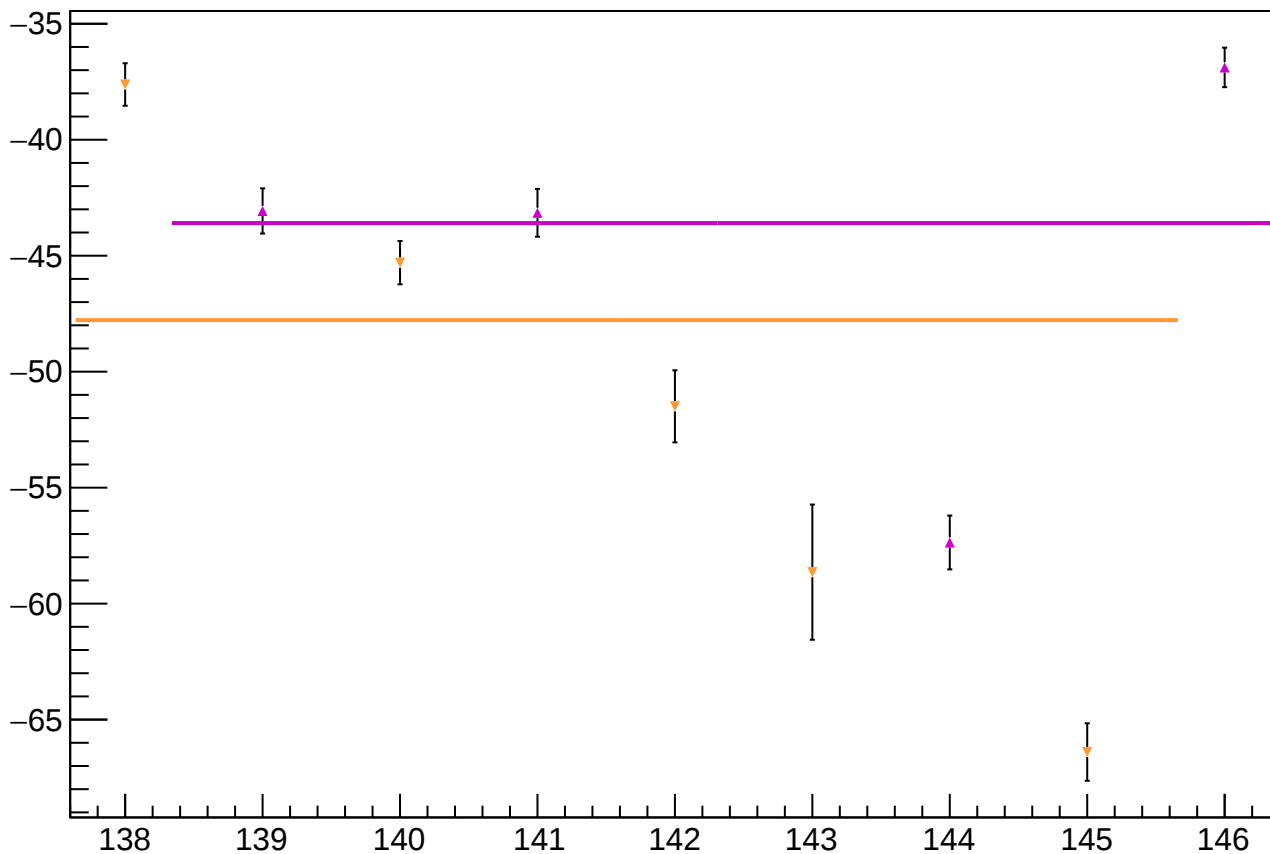
Right Out: -0.006 ± 0.001 χ^2/NDF : 167.0/18

Left In: -0.012 ± 0.002 χ^2/NDF : 2.8/3

-0.007 ± 0.001 χ^2/NDF : 32.6/20

-0.008 ± 0.001 χ^2/NDF : 176.9/22

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -47.776+/-0.533 χ^2/NDF : 375.2/4

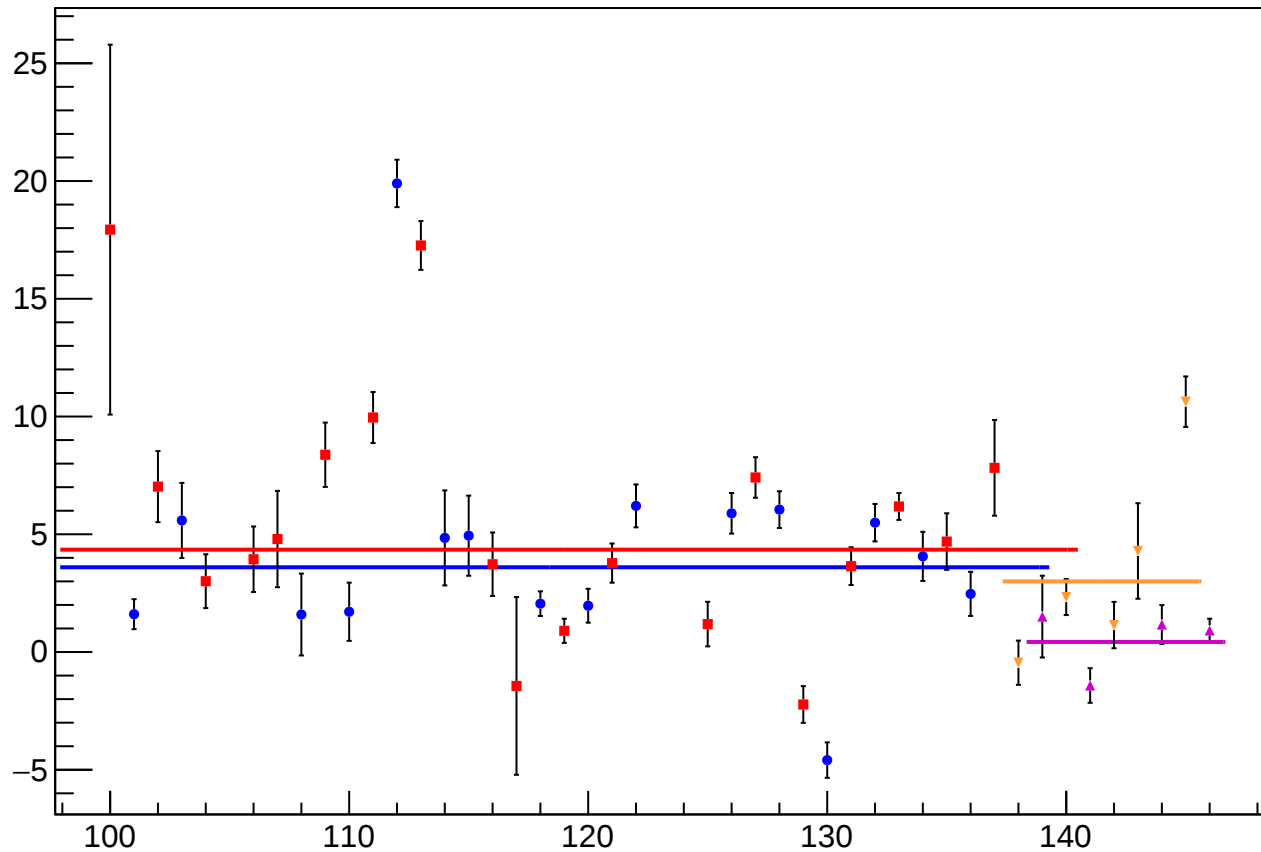
-47.776+/-0.533 χ^2/NDF : 375.2/4

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

-43.592+/-0.493 χ^2/NDF : 203.5/3

Left In: -43.592+/-0.493 χ^2/NDF : 203.5/3

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 2.998 ± 0.448 χ^2/NDF : 69.0/4

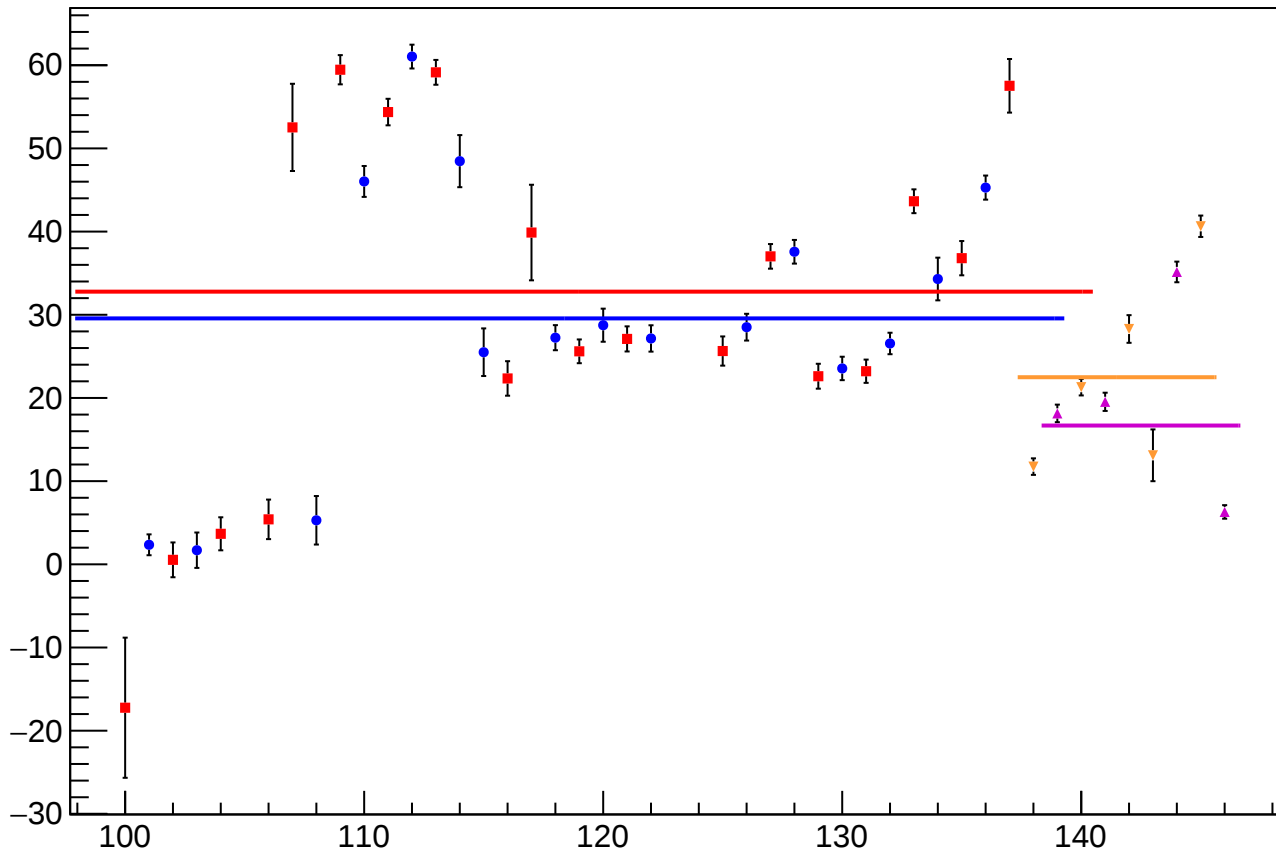
Right Out: 4.347 ± 0.224 χ^2/NDF : 355.4/18

Left In: 0.429 ± 0.360 χ^2/NDF : 8.5/3

3.482 ± 0.198 χ^2/NDF : 513.9/20

3.252 ± 0.191 χ^2/NDF : 449.1/22

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564±/0.420 χ^2/NDF : 1494.6/15

Left Out: 22.492±/0.568 χ^2/NDF : 338.7/4

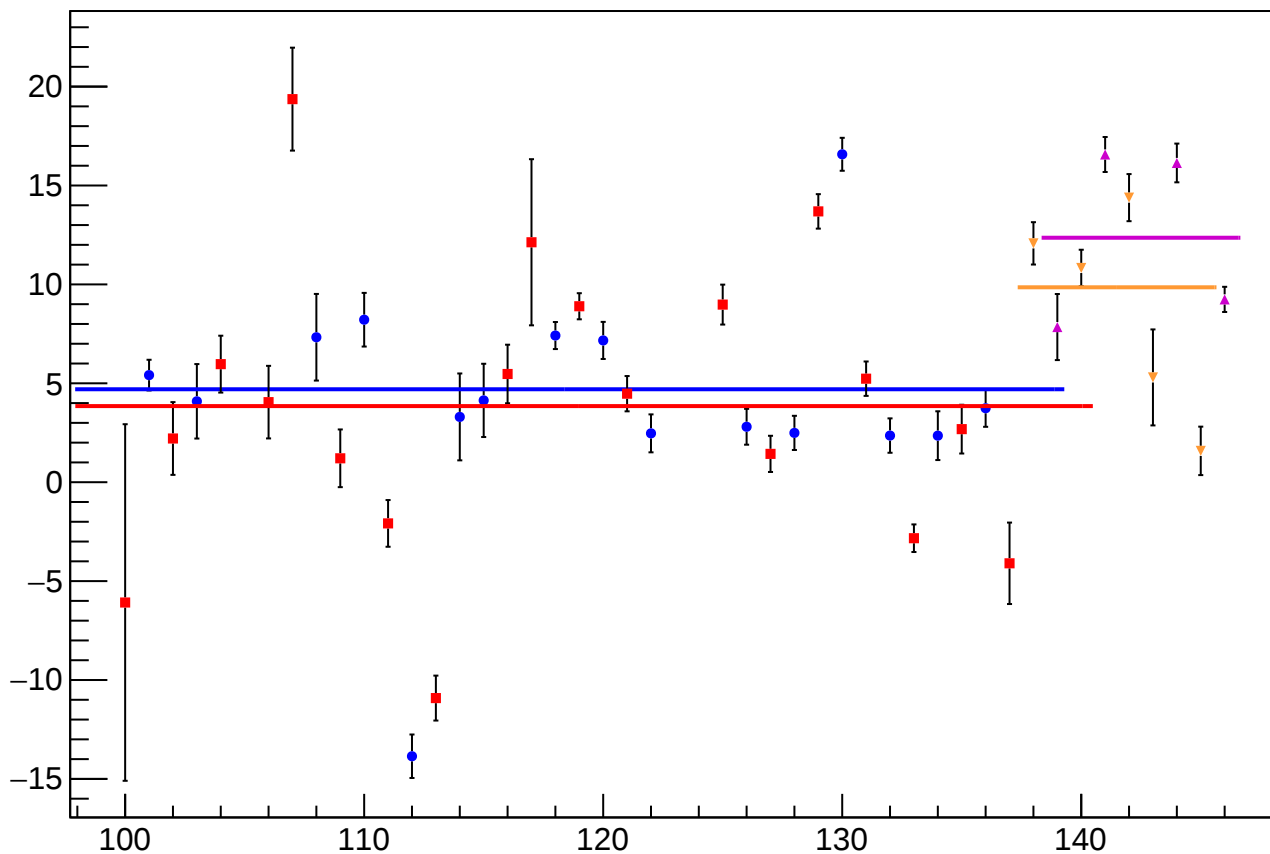
Right Out: 32.780±/0.422 χ^2/NDF : 1664.8/18

Left In: 16.684±/0.507 χ^2/NDF : 392.9/3

27.070±/0.338 χ^2/NDF : 1933.5/20

26.203±/0.324 χ^2/NDF : 2653.3/22

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 $\pm$ 0.254 χ^2 /NDF: 548.9/15

Left Out: 9.854 $\pm$ 0.528 χ^2 /NDF: 69.0/4

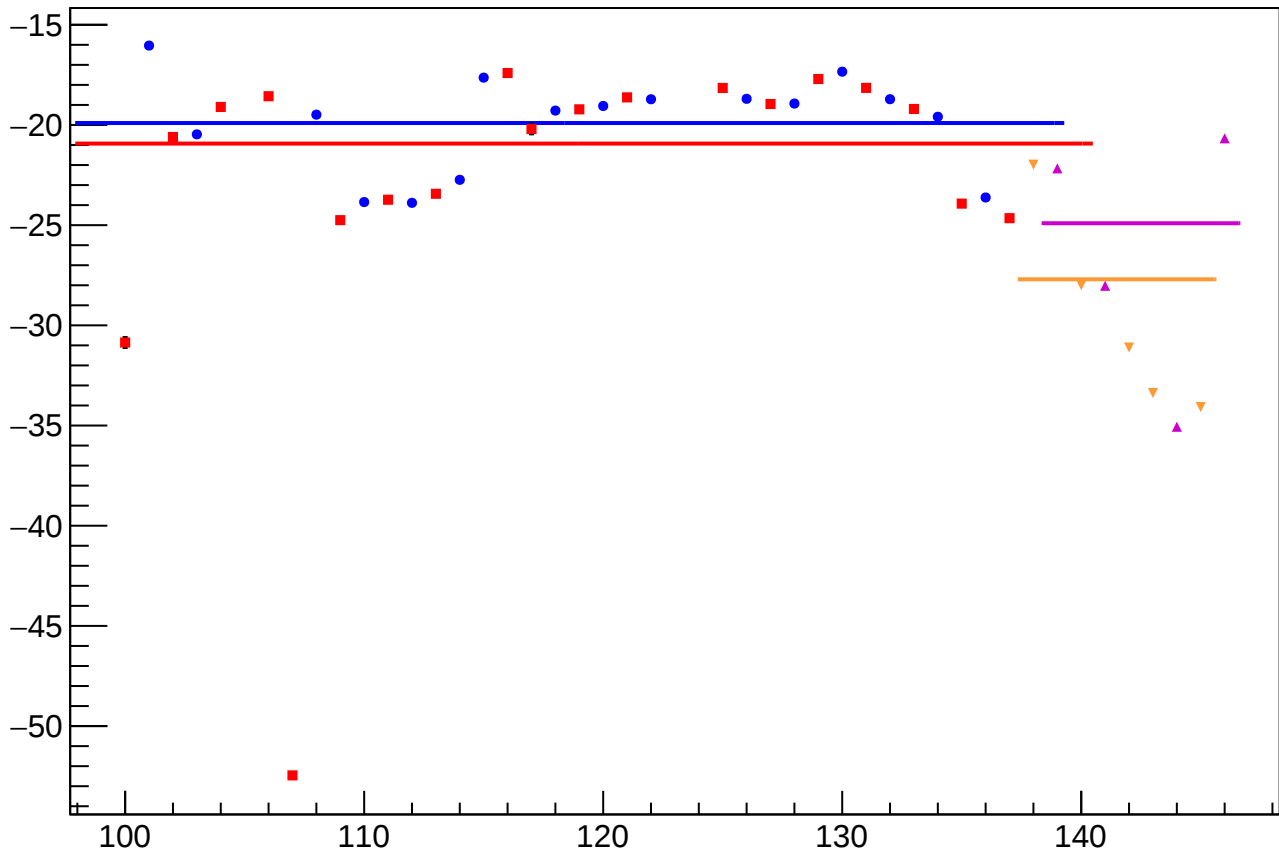
Right Out: 3.848 $\pm$ 0.258 χ^2 /NDF: 571.5/18

Left In: 12.359 $\pm$ 0.441 χ^2 /NDF: 68.9/3

5.669 $\pm$ 0.229 χ^2 /NDF: 695.5/20

6.020 $\pm$ 0.223 χ^2 /NDF: 918.2/22

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -27.702 ± 0.023 $\chi^2/\text{NDF}: 41811.7/4$

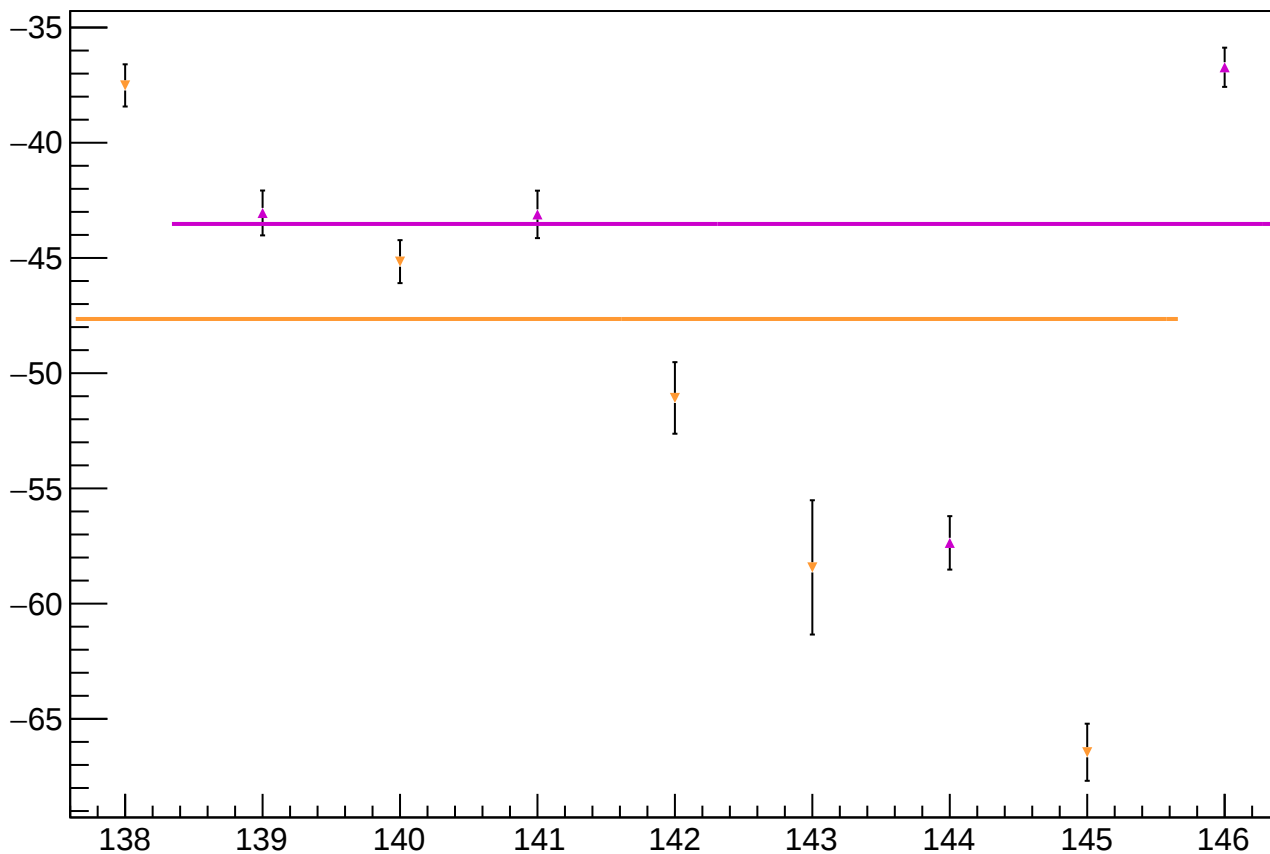
Right Out: -20.928 ± 0.016 $\chi^2/\text{NDF}: 94015.9/18$

Left In: -24.904 ± 0.021 $\chi^2/\text{NDF}: 57997.5/3$

-22.343 ± 0.013 $\chi^2/\text{NDF}: 145608.4/20$

-22.362 ± 0.013 $\chi^2/\text{NDF}: 175164.5/22$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -47.648+/-0.533 χ^2/NDF : 378.5/4

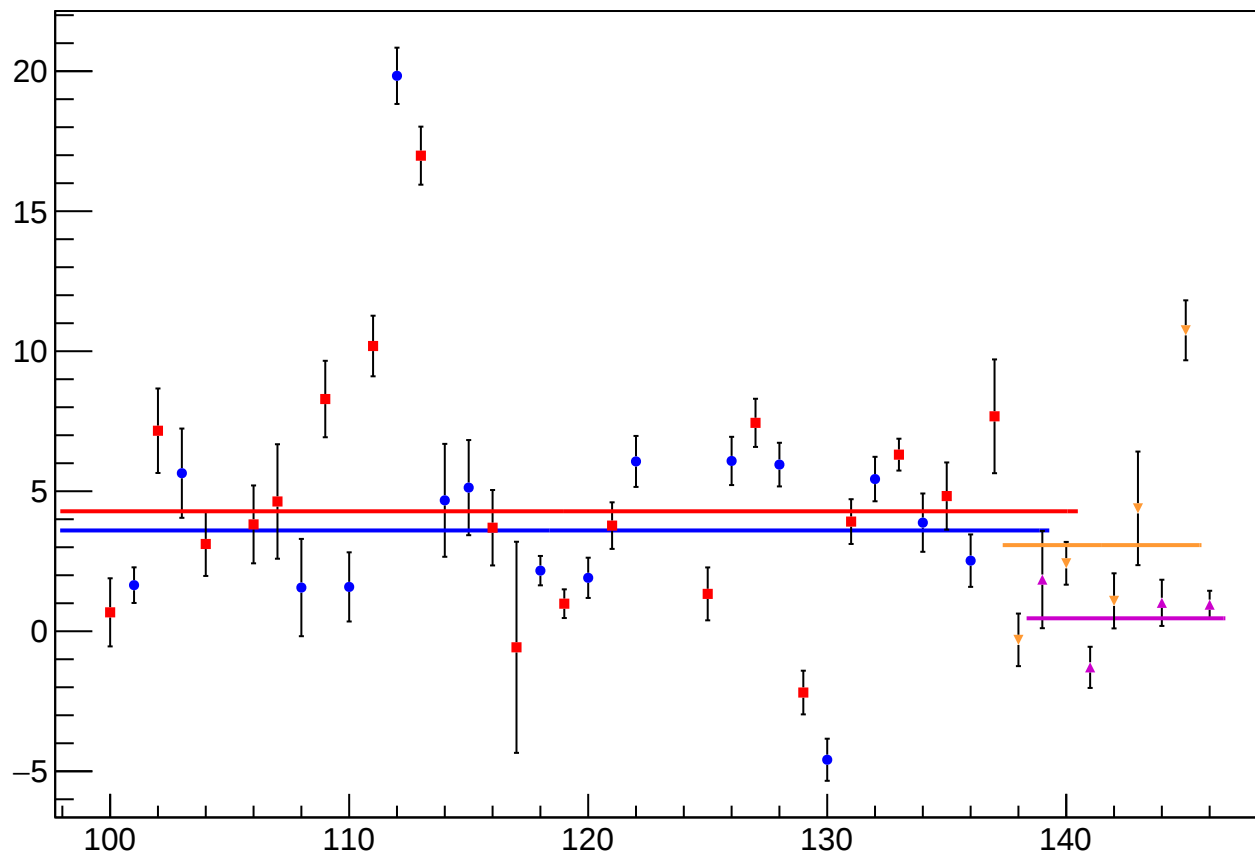
-47.648+/-0.533 χ^2/NDF : 378.5/4

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

-43.524+/-0.492 χ^2/NDF : 206.6/3

Left In: -43.524+/-0.492 χ^2/NDF : 206.6/3

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 440.3/15

Left Out: 3.076 $\pm$ 0.447 χ^2 /NDF:69.6/4

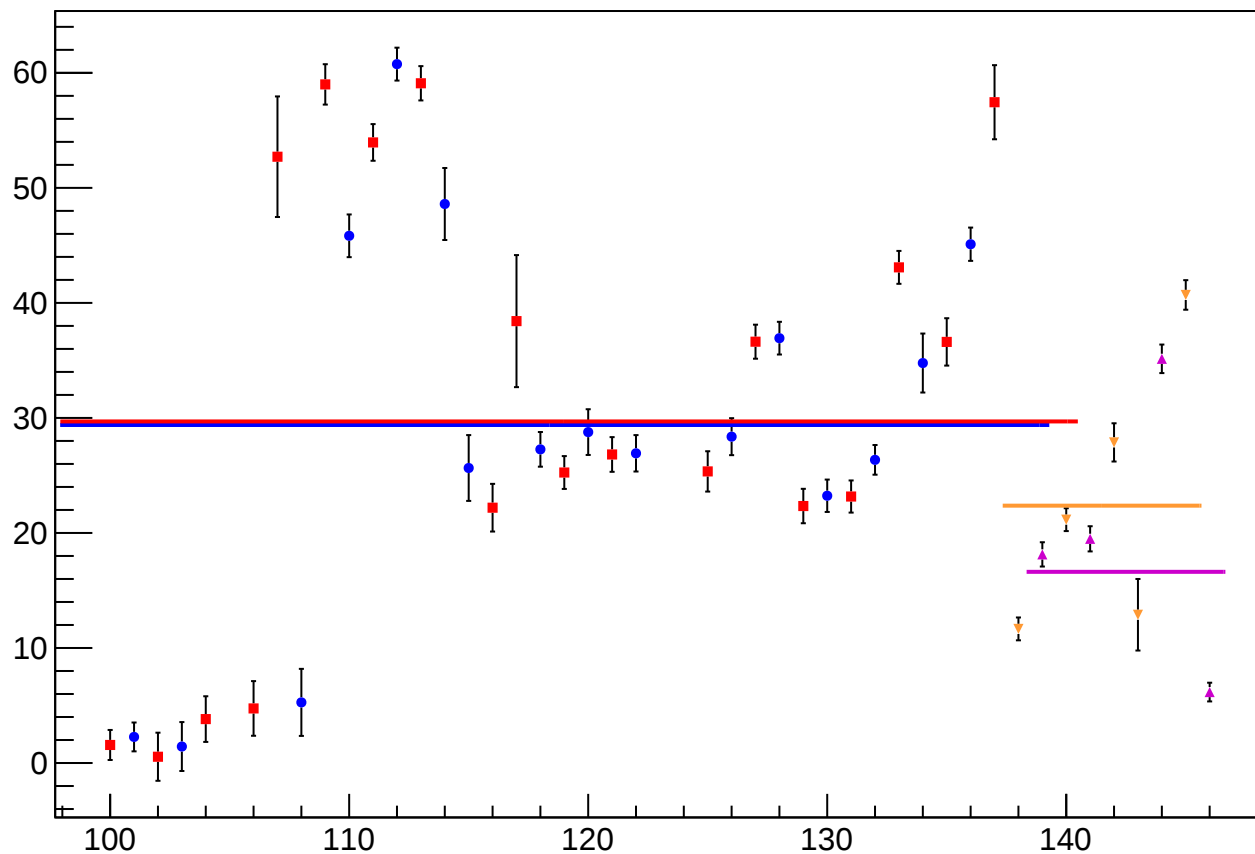
Right Out: 4.284 $\pm$ 0.221 χ^2 /NDF: 353.8/18

Left In: 0.462 $\pm$ 0.360 χ^2 /NDF:7.7/3

3.497 $\pm$ 0.198 χ^2 /NDF: 510.9/20

3.242 $\pm$ 0.188 χ^2 /NDF: 443.4/22

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2/NDF : 1488.6/15

Left Out: 22.373 $\pm$ 0.568 χ^2/NDF : 341.2/4

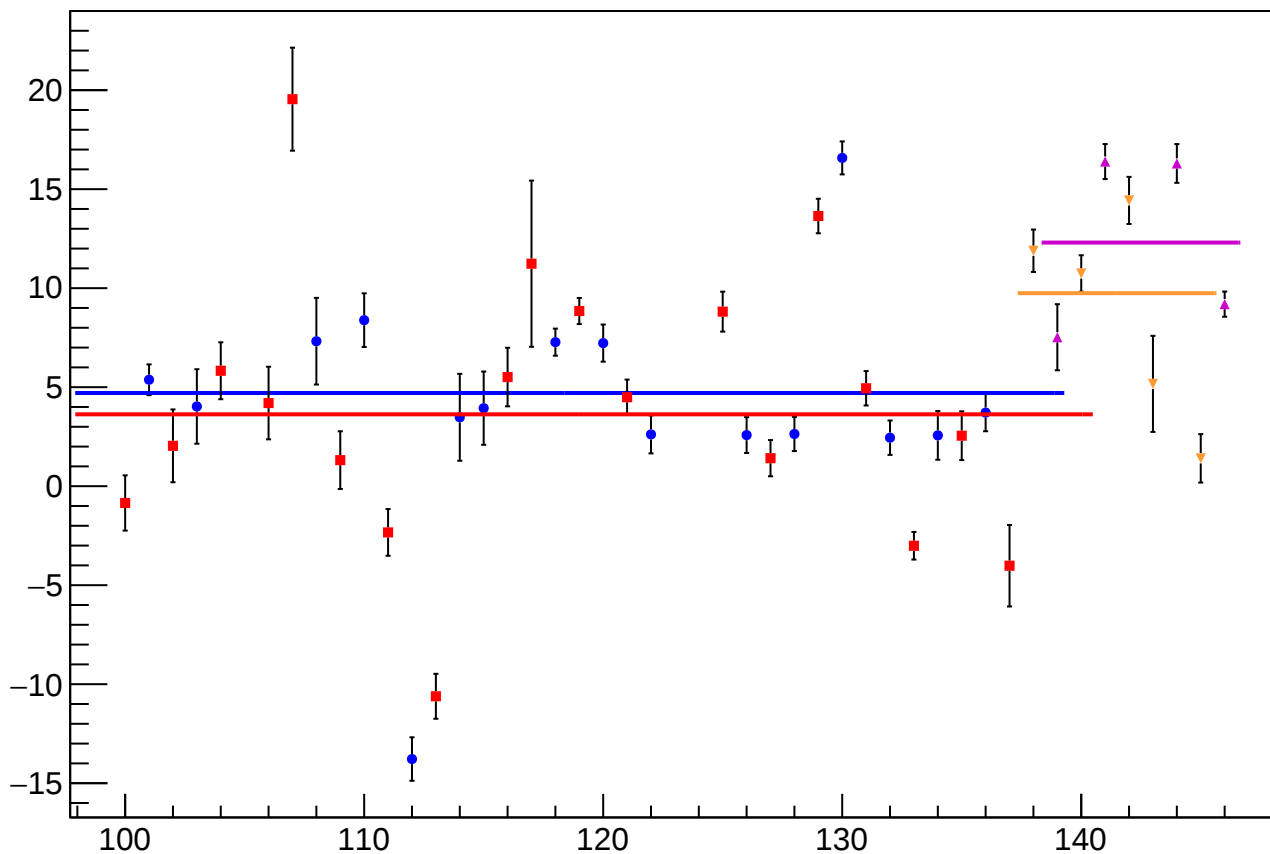
Right Out: 29.695 $\pm$ 0.401 χ^2/NDF : 2133.3/18

Left In: 16.621 $\pm$ 0.507 χ^2/NDF : 397.0/3

26.914 $\pm$ 0.337 χ^2/NDF : 1928.5/20

24.656 $\pm$ 0.315 χ^2/NDF : 2939.3/22

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 $\pm$ 0.254 χ^2 /NDF: 545.2/15

Left Out: 9.748 $\pm$ 0.527 χ^2 /NDF: 70.7/4

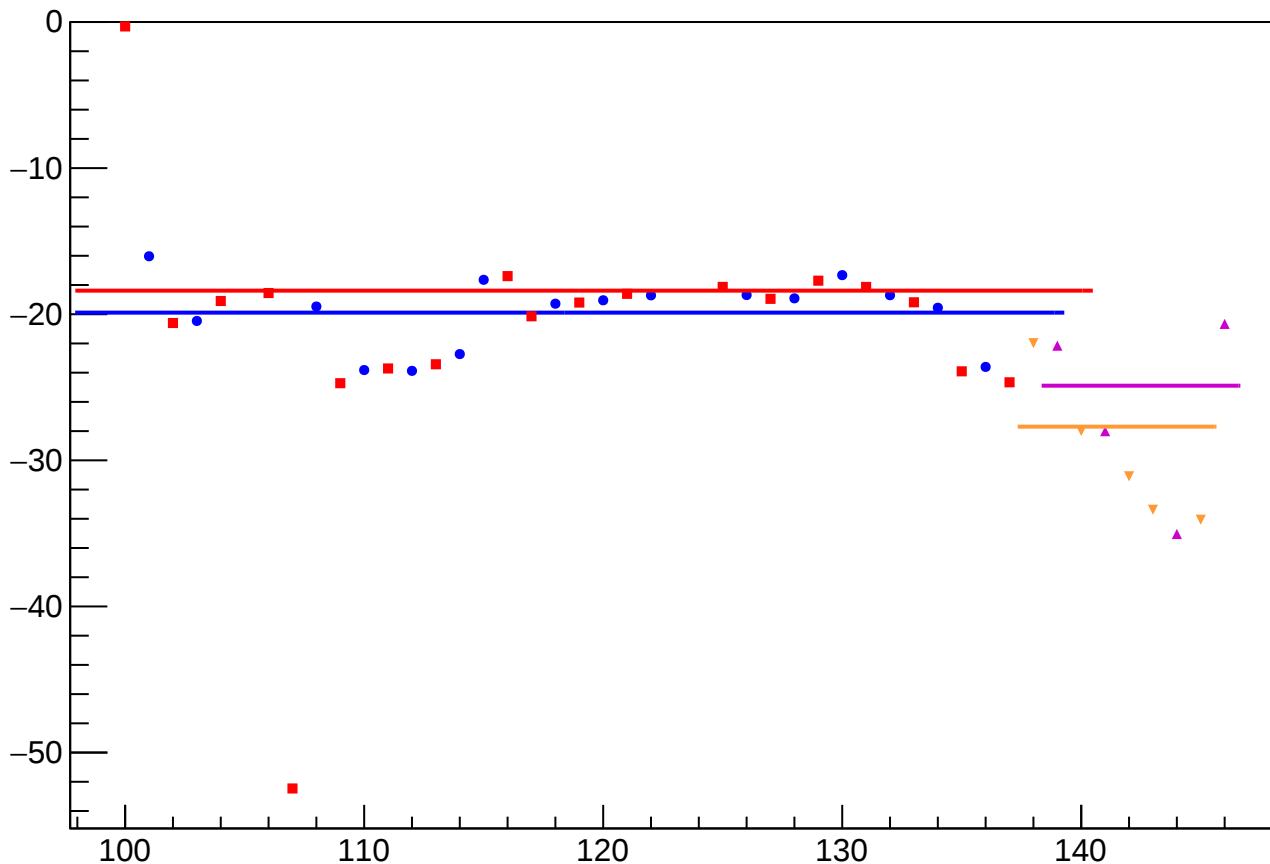
Right Out: 3.629 $\pm$ 0.254 χ^2 /NDF: 576.7/18

Left In: 12.304 $\pm$ 0.440 χ^2 /NDF: 70.2/3

5.655 $\pm$ 0.229 χ^2 /NDF: 690.1/20

5.789 $\pm$ 0.220 χ^2 /NDF: 938.3/22

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890+/-0.016 χ^2/NDF : 26044.4/15

Left Out: -27.695+/-0.023 χ^2/NDF : 41779.3/4

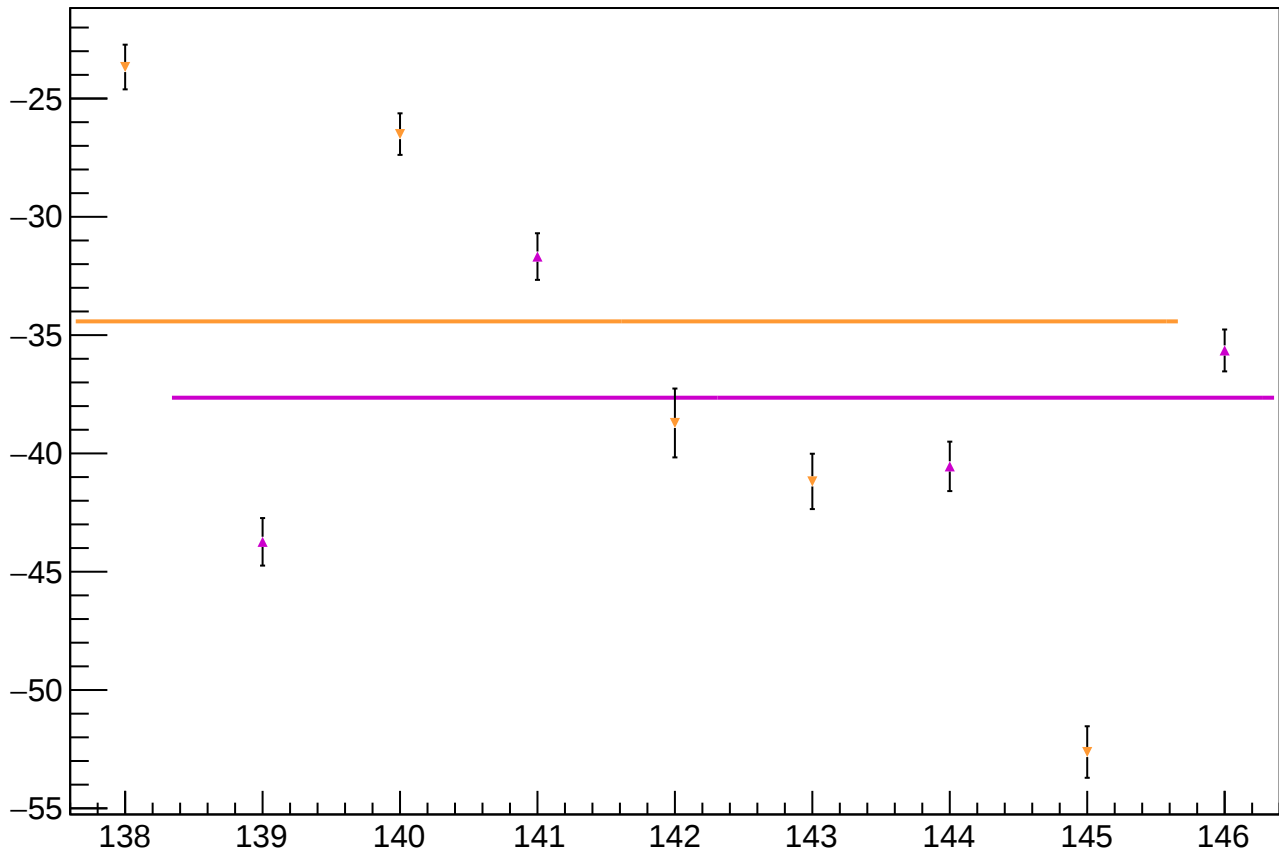
Right Out: -18.386+/-0.015 χ^2/NDF : 301044.3/18

Left In: -24.891+/-0.021 χ^2/NDF : 57953.1/3

-22.332+/-0.013 χ^2/NDF : 145753.9/20

-20.546+/-0.012 χ^2/NDF : 423819.7/22

reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -34.419+/-0.473 χ^2/NDF : 532.2/4

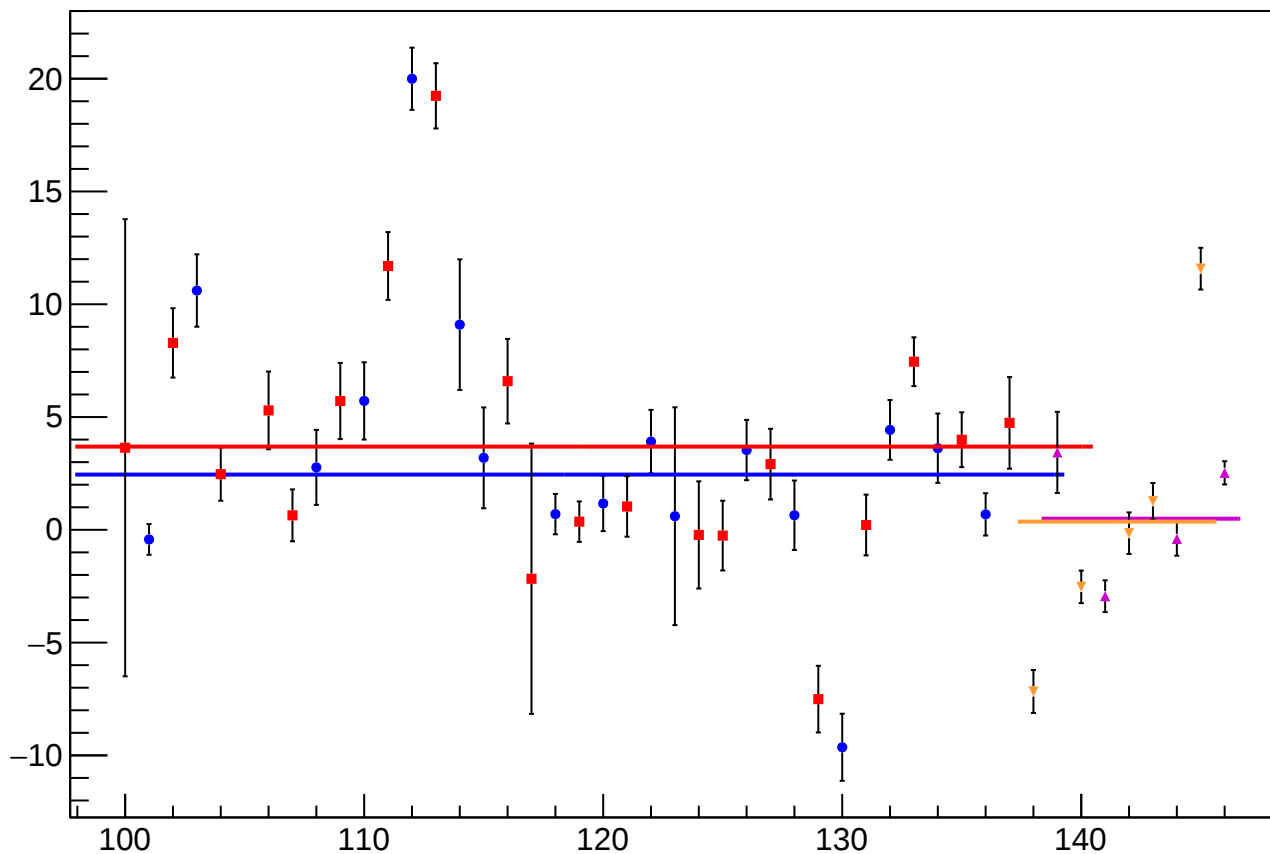
-34.419+/-0.473 χ^2/NDF : 532.2/4

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

-37.645+/-0.487 χ^2/NDF : 86.3/3

Left In: -37.645+/-0.487 χ^2/NDF : 86.3/3

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 $\pm$ 0.314 χ^2 /NDF: 295.3/16

Left Out: 0.364 $\pm$ 0.380 χ^2 /NDF:227.7/4

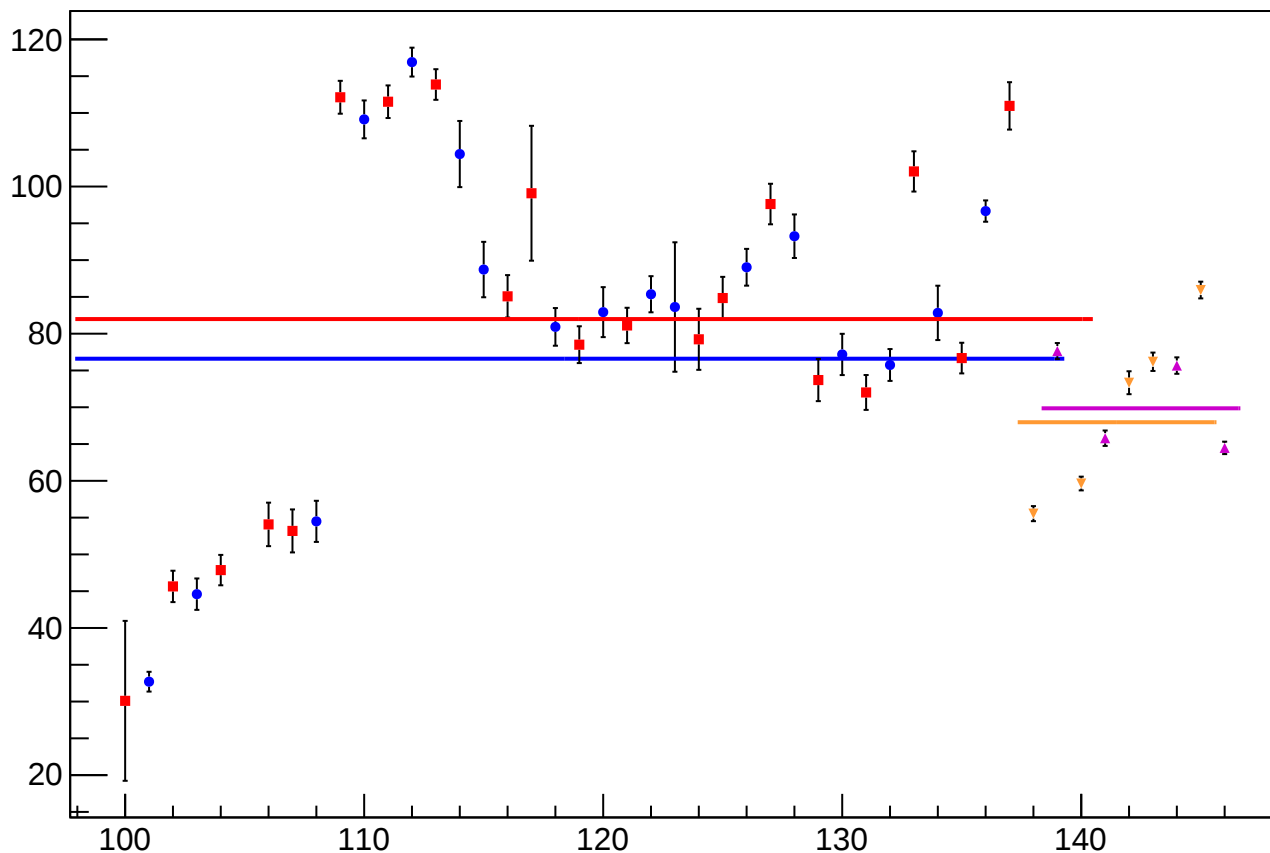
Right Out: 3.690 $\pm$ 0.326 χ^2 /NDF: 270.4/19

Left In: 0.494 $\pm$ 0.356 χ^2 /NDF:43.5/3

1.602 $\pm$ 0.242 χ^2 /NDF: 540.8/21

2.232 $\pm$ 0.240 χ^2 /NDF: 357.8/23

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 $\pm$ 0.576 χ^2/NDF : 2255.1/16

Left Out: 67.966 $\pm$ 0.505 χ^2/NDF : 531.4/4

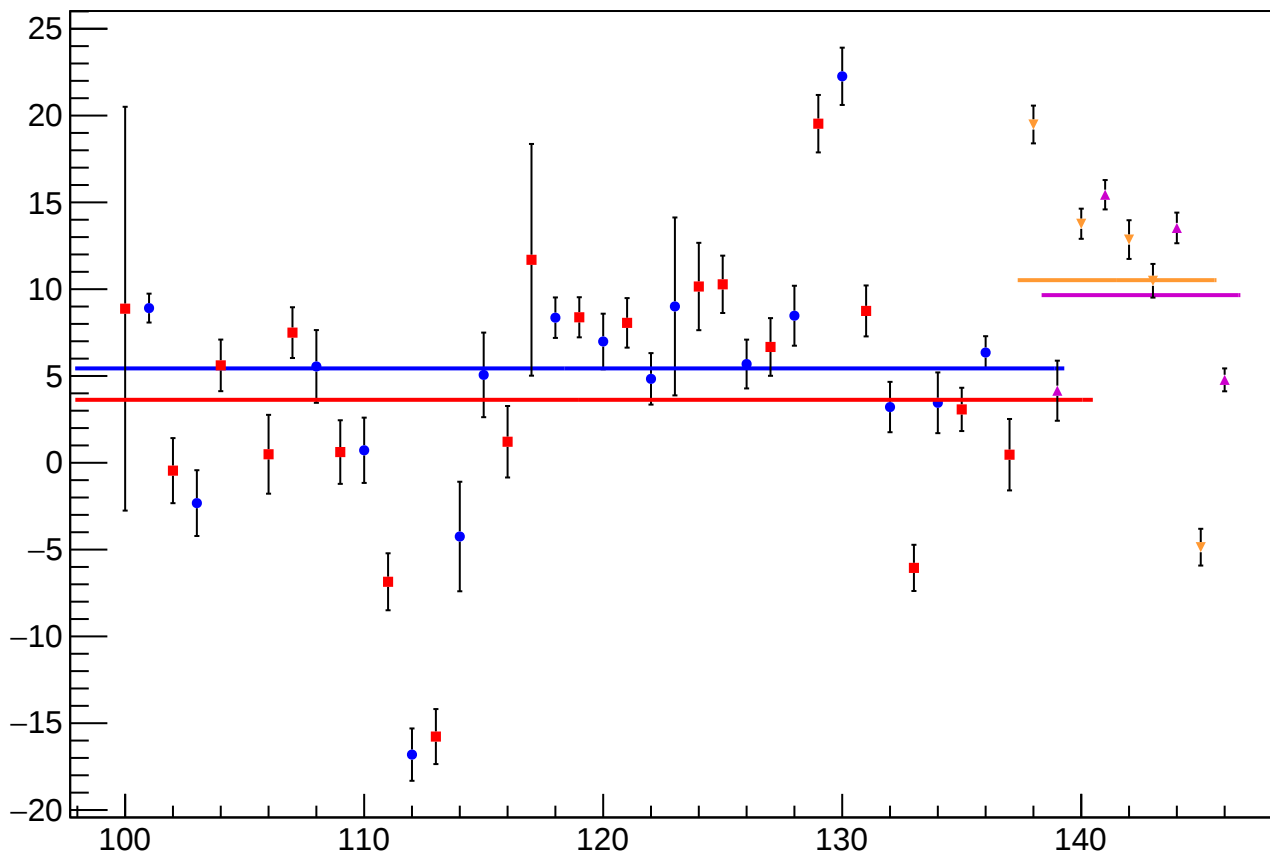
Right Out: 81.987 $\pm$ 0.591 χ^2/NDF : 1574.2/19

Left In: 69.856 $\pm$ 0.503 χ^2/NDF : 133.6/3

71.715 $\pm$ 0.380 χ^2/NDF : 2913.5/21

74.953 $\pm$ 0.383 χ^2/NDF : 1952.3/23

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 $\pm$ 0.360 χ^2 /NDF: 387.2/16

Left Out: 10.519 $\pm$ 0.450 χ^2 /NDF: 297.4/4

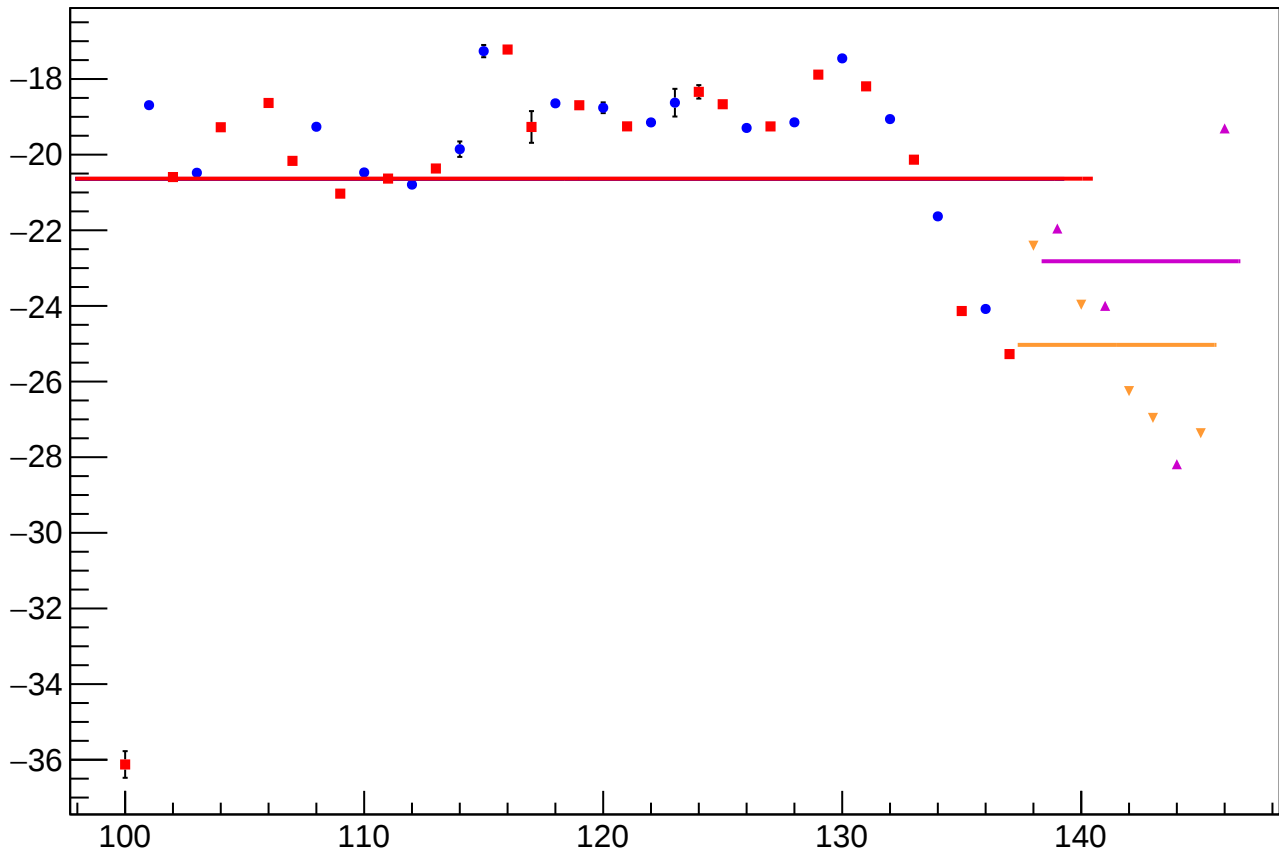
Right Out: 3.628 $\pm$ 0.374 χ^2 /NDF: 424.8/19

Left In: 9.657 $\pm$ 0.434 χ^2 /NDF: 130.8/3

7.420 $\pm$ 0.281 χ^2 /NDF: 762.3/21

6.202 $\pm$ 0.283 χ^2 /NDF: 666.3/23

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -25.030 ± 0.021 $\chi^2/\text{NDF}: 9445.7/4$

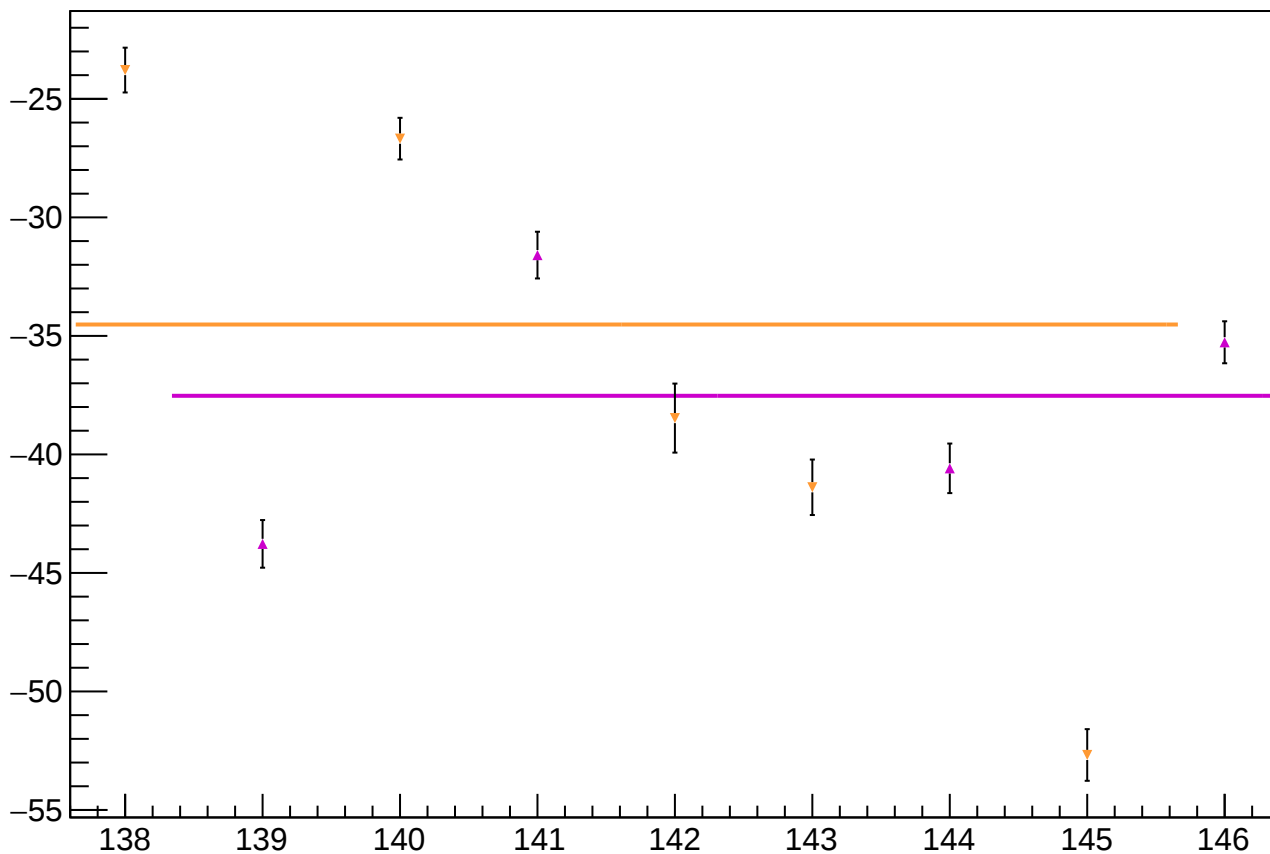
Right Out: -20.635 ± 0.019 $\chi^2/\text{NDF}: 13794.0/19$

Left In: -22.819 ± 0.021 $\chi^2/\text{NDF}: 21451.9/3$

-22.698 ± 0.014 $\chi^2/\text{NDF}: 46012.9/21$

-21.654 ± 0.014 $\chi^2/\text{NDF}: 41140.4/23$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -34.520+/-0.474 χ^2/NDF : 528.1/4

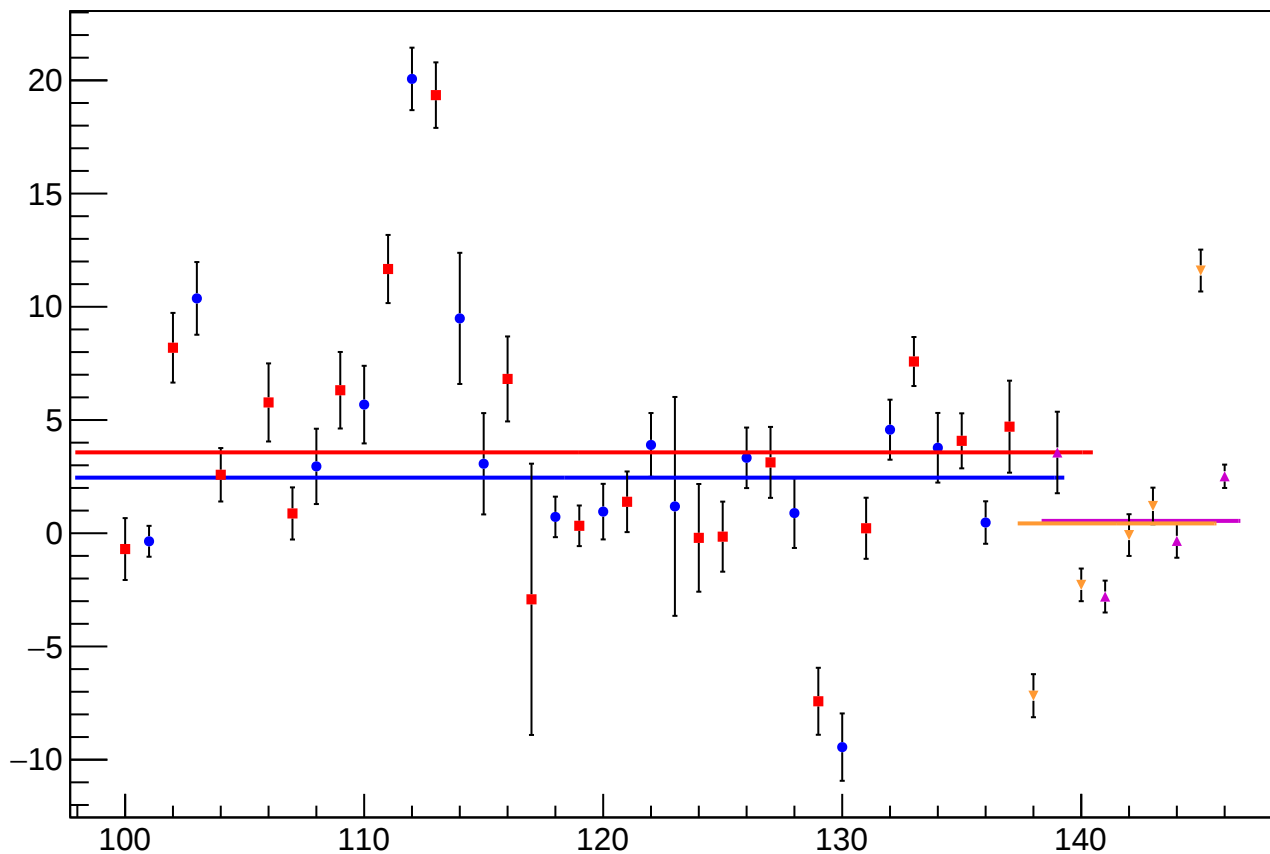
-34.520+/-0.474 χ^2/NDF : 528.1/4

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

-37.527+/-0.487 χ^2/NDF : 90.0/3

Left In: -37.527+/-0.487 χ^2/NDF : 90.0/3

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 0.434 ± 0.381 χ^2/NDF : 225.2/4

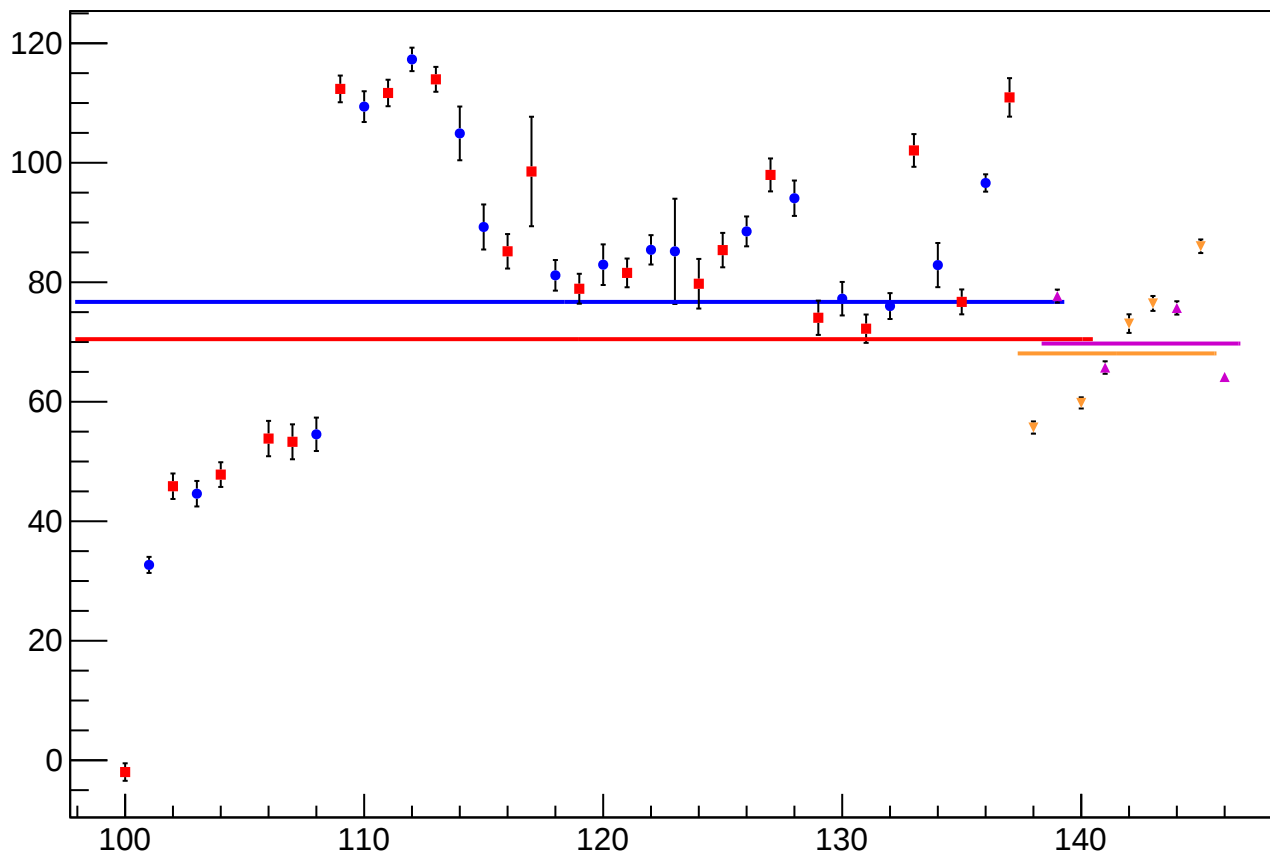
Right Out: 3.571 ± 0.317 χ^2/NDF : 281.0/19

Left In: 0.545 ± 0.356 χ^2/NDF : 41.4/3

1.635 ± 0.242 χ^2/NDF : 535.4/21

2.232 ± 0.237 χ^2/NDF : 362.6/23

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713+/-0.576 χ^2/NDF : 2266.6/16

Left Out: 68.090+/-0.505 χ^2/NDF : 528.4/4

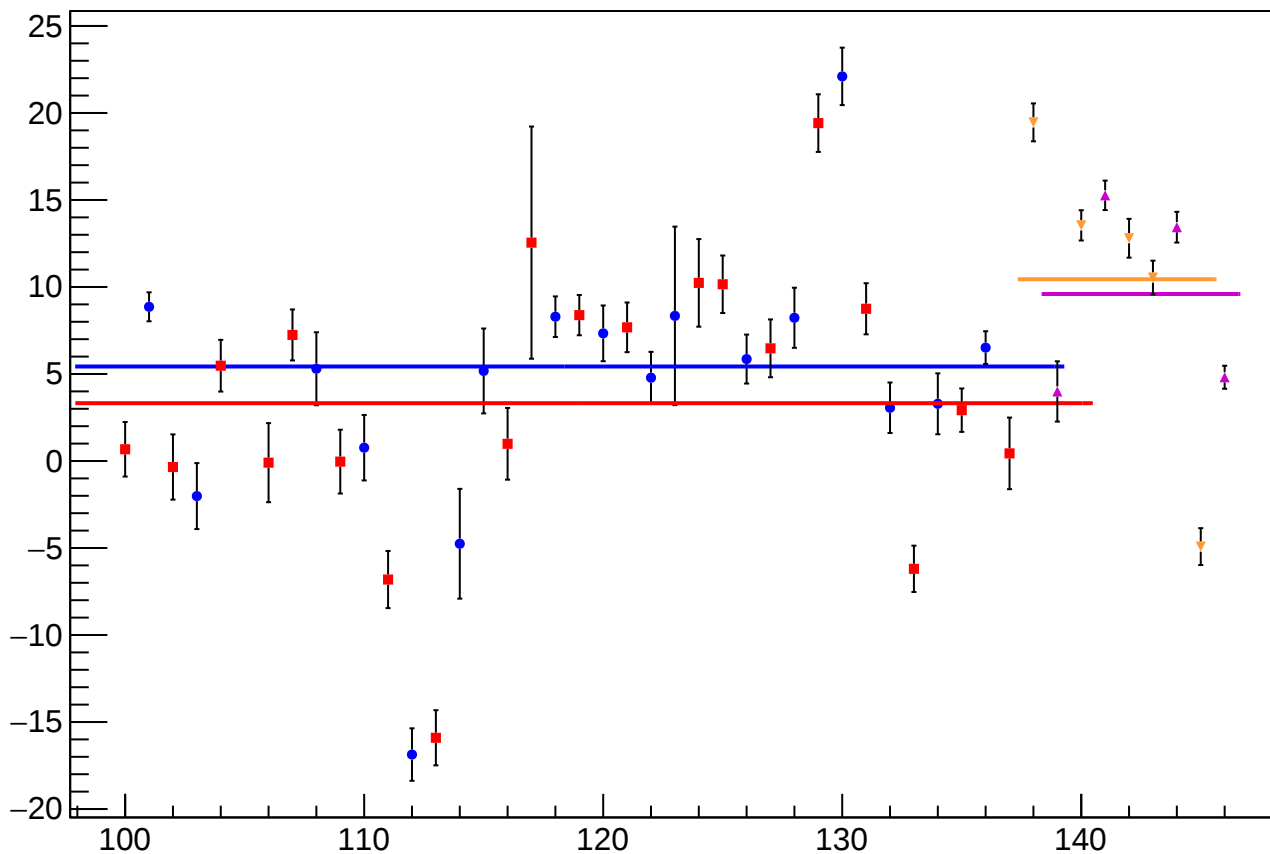
Right Out: 70.477+/-0.549 χ^2/NDF : 4400.1/19

Left In: 69.744+/-0.503 χ^2/NDF : 140.0/3

71.836+/-0.380 χ^2/NDF : 2921.7/21

70.079+/-0.371 χ^2/NDF : 4541.0/23

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 10.445 ± 0.451 χ^2/NDF : 296.1/4

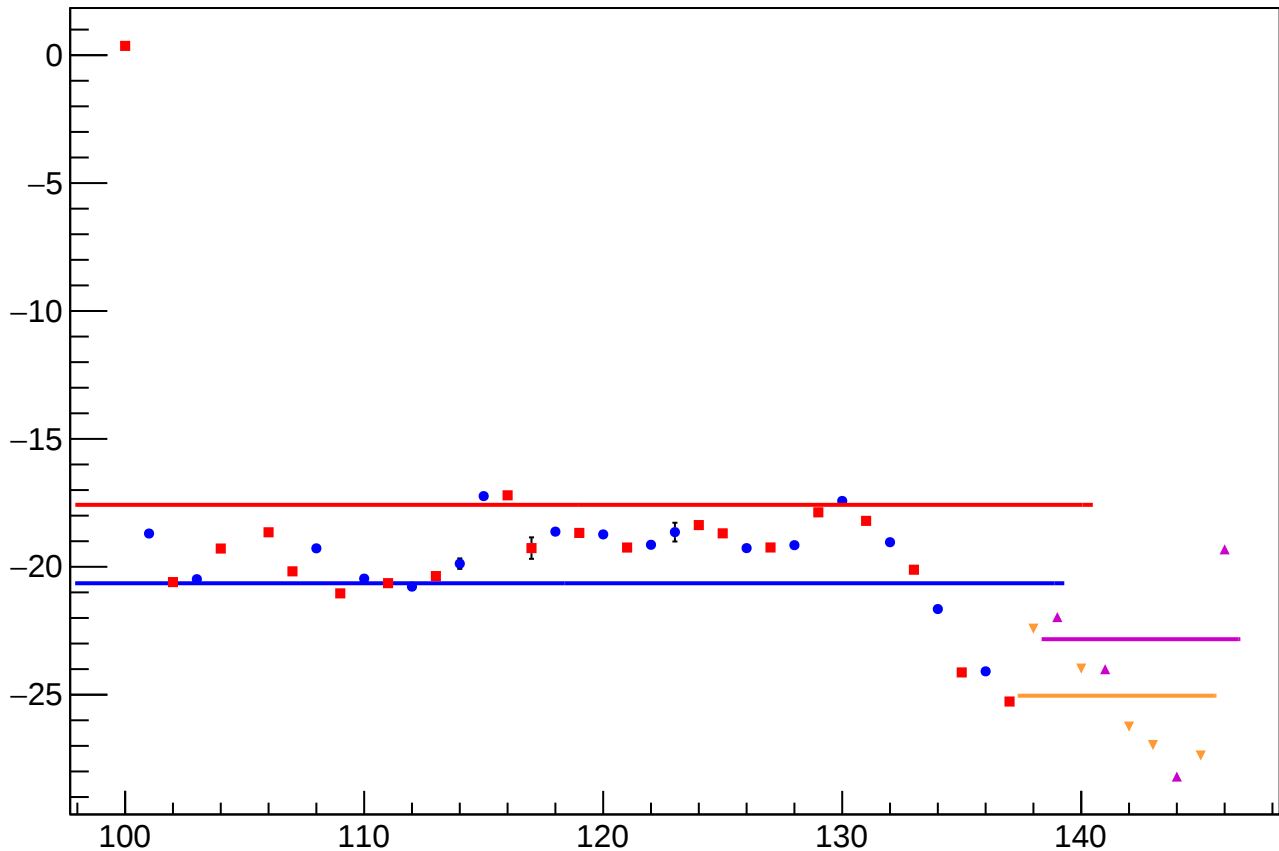
Right Out: 3.323 ± 0.365 χ^2/NDF : 428.0/19

Left In: 9.596 ± 0.434 χ^2/NDF : 126.8/3

7.387 ± 0.282 χ^2/NDF : 757.5/21

5.917 ± 0.279 χ^2/NDF : 677.2/23

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 $\pm$ 0.019 χ^2 /NDF: 12468.6/16

Left Out: -25.039 $\pm$ 0.021 χ^2 /NDF: 9416.2/4

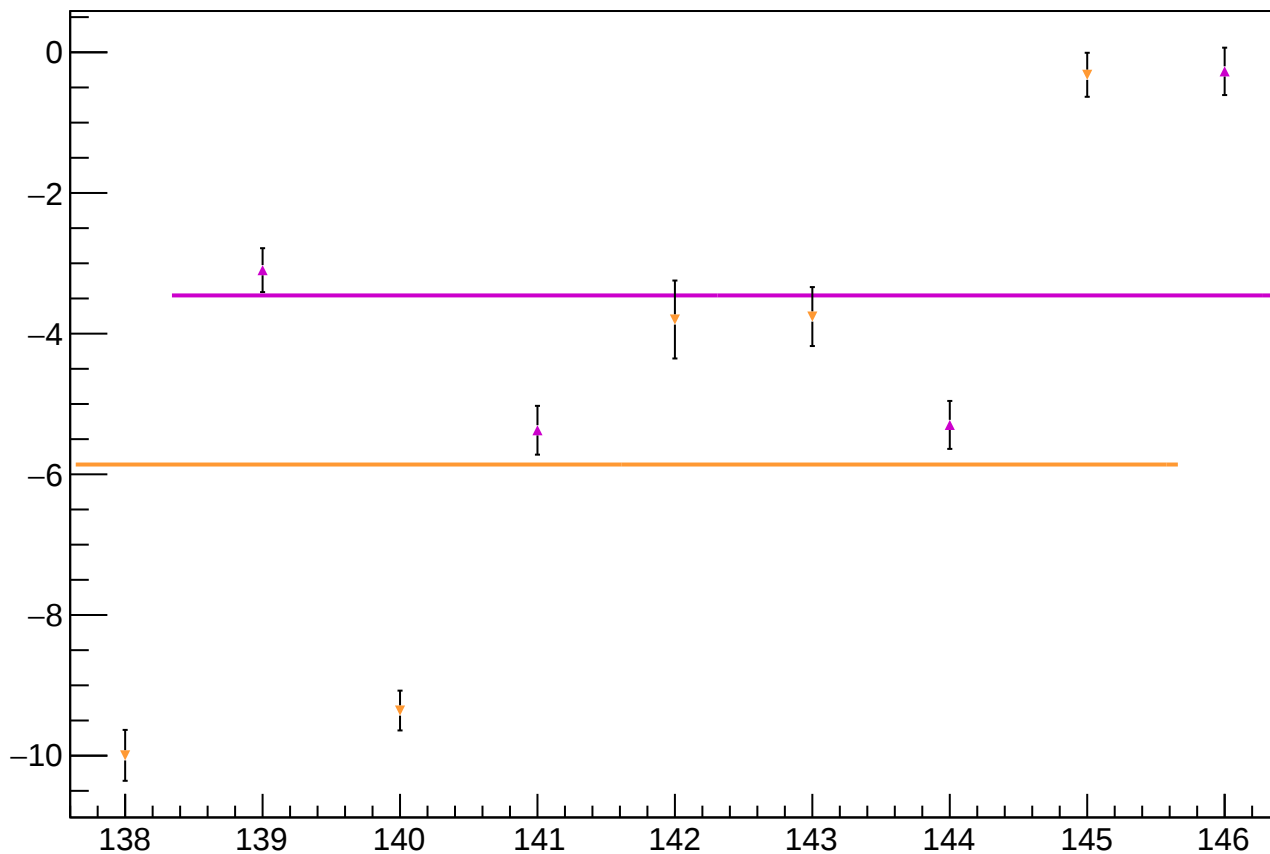
Right Out: -17.577 $\pm$ 0.018 χ^2 /NDF: 178343.3/19

Left In: -22.830 $\pm$ 0.021 χ^2 /NDF: 21421.3/3

-22.703 $\pm$ 0.014 χ^2 /NDF: 46072.0/21

-19.831 $\pm$ 0.014 χ^2 /NDF: 236225.5/23

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



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

Left Out: -5.861+/-0.160 χ^2/NDF : 636.1/4

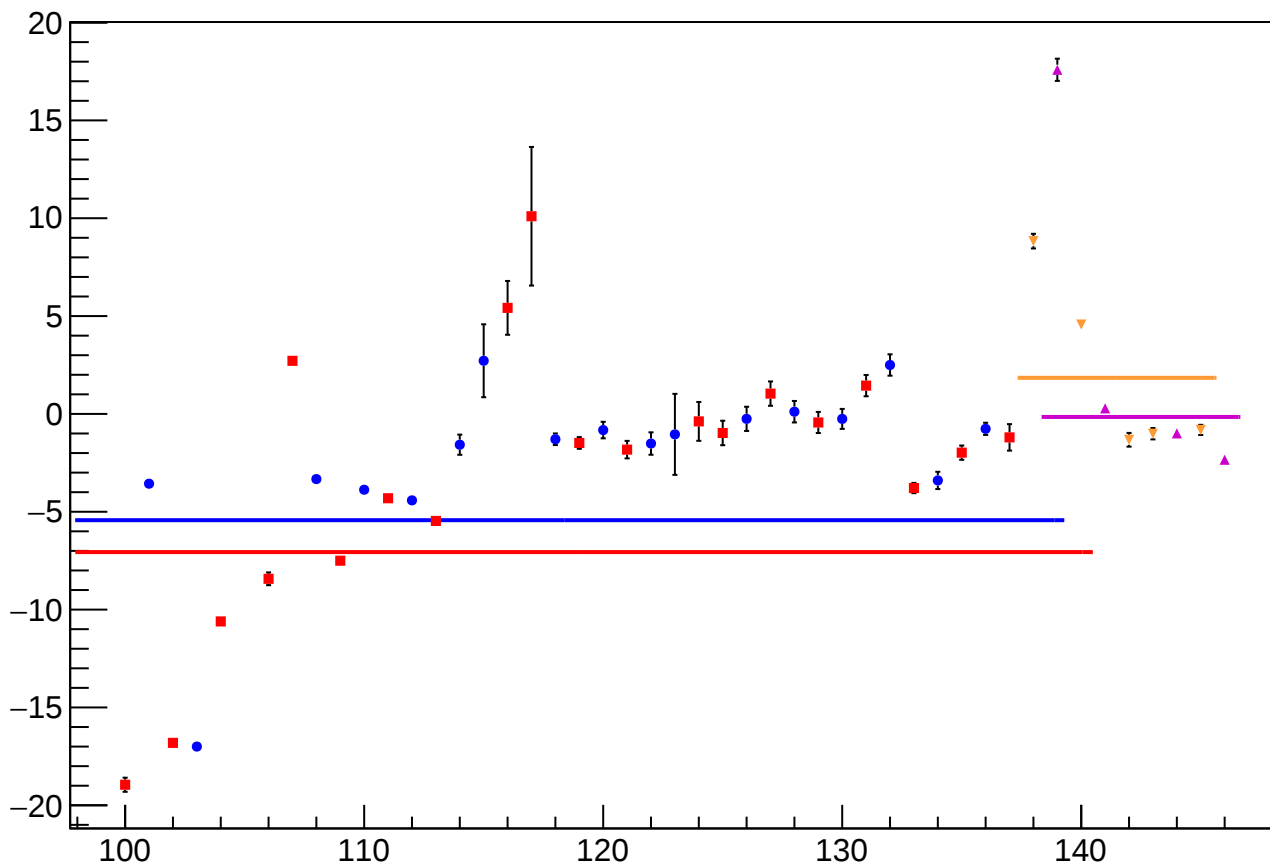
-5.861+/-0.160 χ^2/NDF : 636.1/4

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

-3.457+/-0.167 χ^2/NDF : 150.5/3

Left In: -3.457+/-0.167 χ^2/NDF : 150.5/3

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431+/-0.055 χ^2/NDF : 9233.8/16

-4.317+/-0.050 χ^2/NDF : 12691.2/21

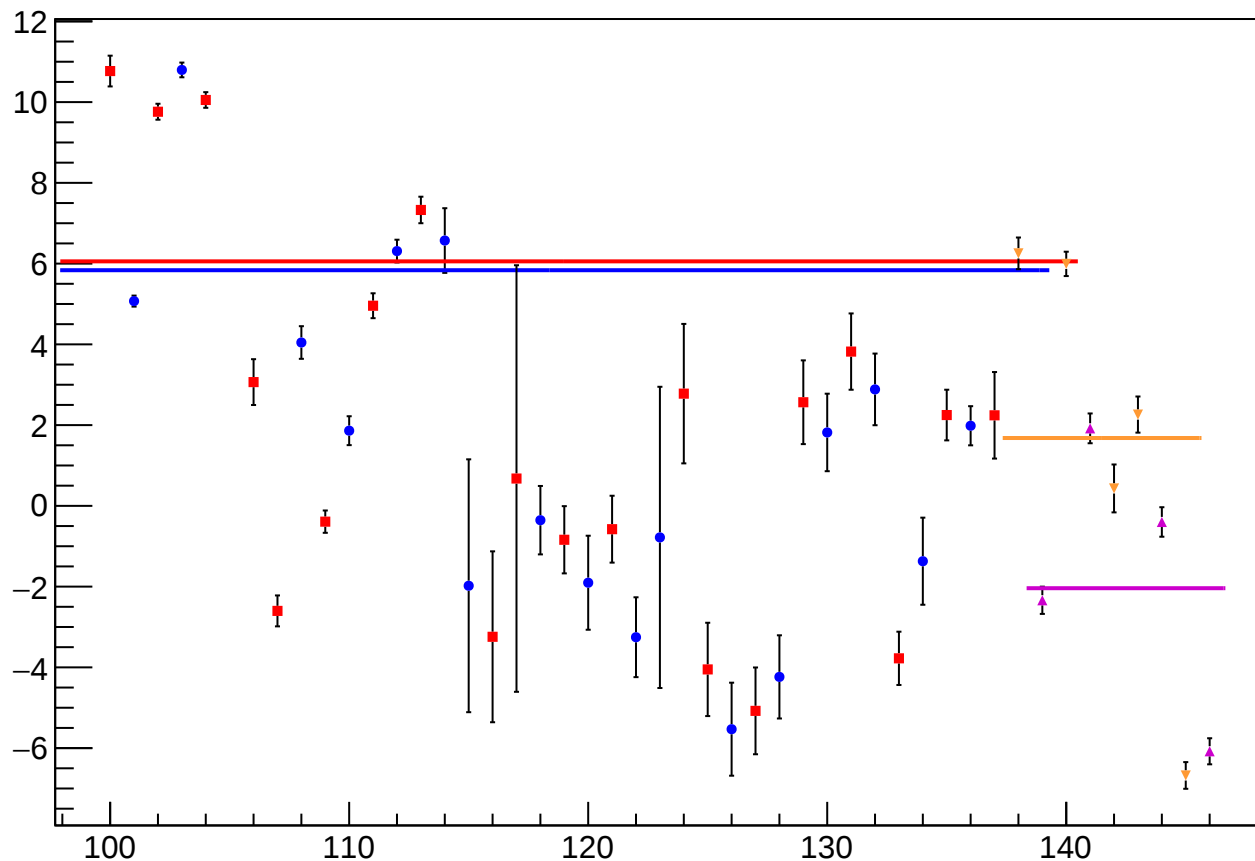
Left Out: 1.845+/-0.129 χ^2/NDF : 765.4/4

Right Out: -7.061+/-0.059 χ^2/NDF : 12330.1/19

-5.901+/-0.054 χ^2/NDF : 15728.3/23

Left In: -0.154+/-0.131 χ^2/NDF : 1097.4/3

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 $\pm$ 0.090 χ^2/NDF : 1440.9/16

Left Out: 1.681 $\pm$ 0.170 χ^2/NDF : 986.0/4

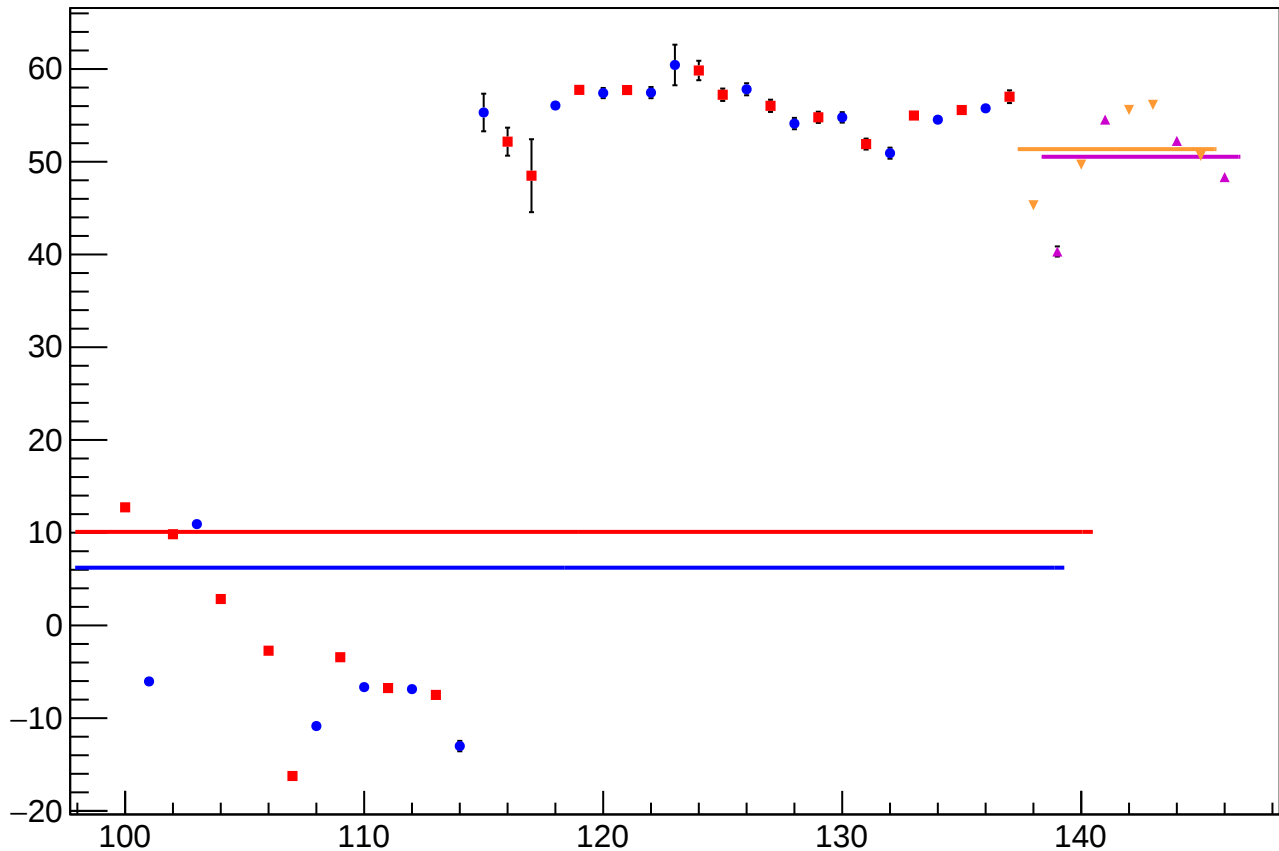
Right Out: 6.056 $\pm$ 0.093 χ^2/NDF : 2669.9/19

Left In: -2.039 $\pm$ 0.174 χ^2/NDF : 292.6/3

4.934 $\pm$ 0.079 χ^2/NDF : 2893.2/21

4.240 $\pm$ 0.082 χ^2/NDF : 4650.5/23

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226+/-0.065 χ^2/NDF : 120955.1/16

Left Out: 51.362+/-0.152 χ^2/NDF : 531.3/4

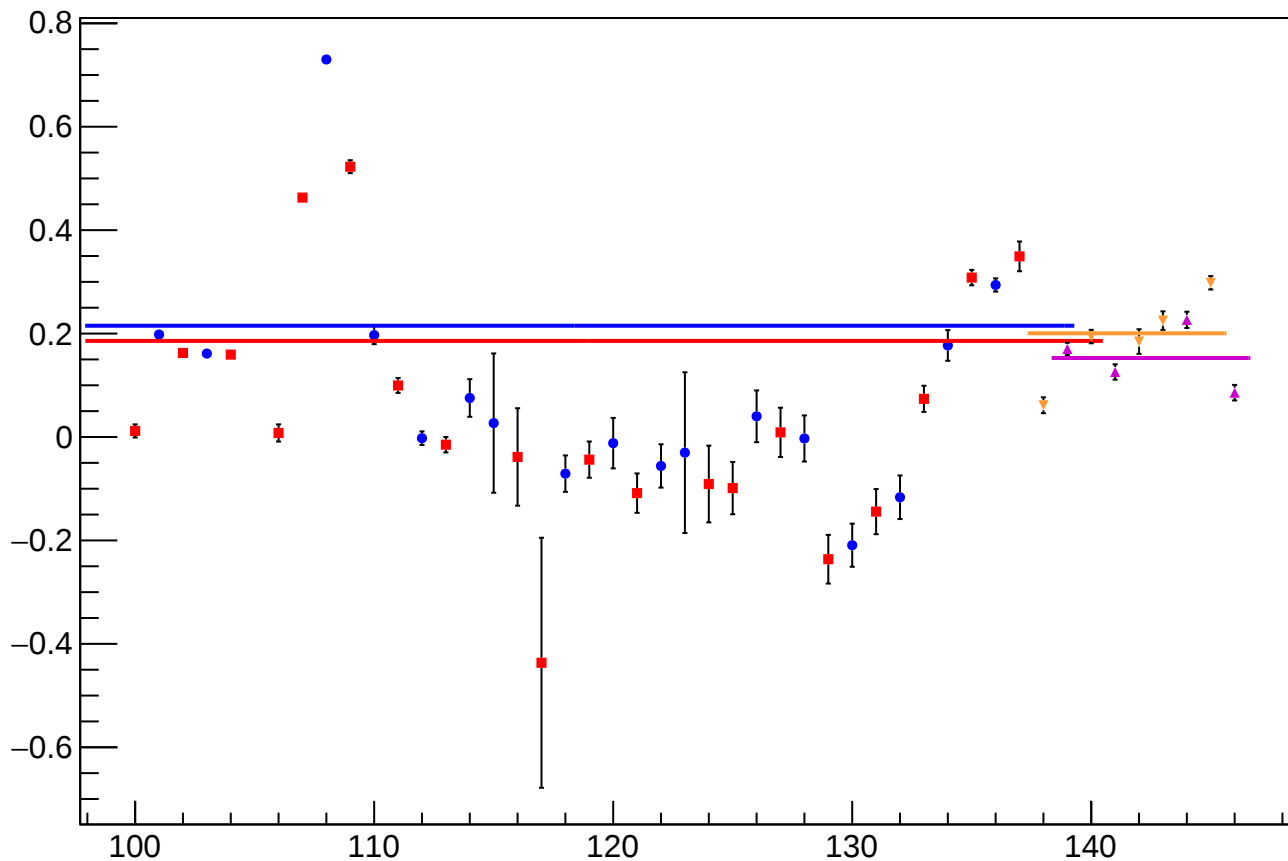
Right Out: 10.087+/-0.070 χ^2/NDF : 122144.7/19

Left In: 50.537+/-0.157 χ^2/NDF : 633.4/3

13.149+/-0.060 χ^2/NDF : 195832.5/21

16.785+/-0.064 χ^2/NDF : 178502.9/23

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.201 $\pm$ 0.007 χ^2 /NDF: 141.8/4

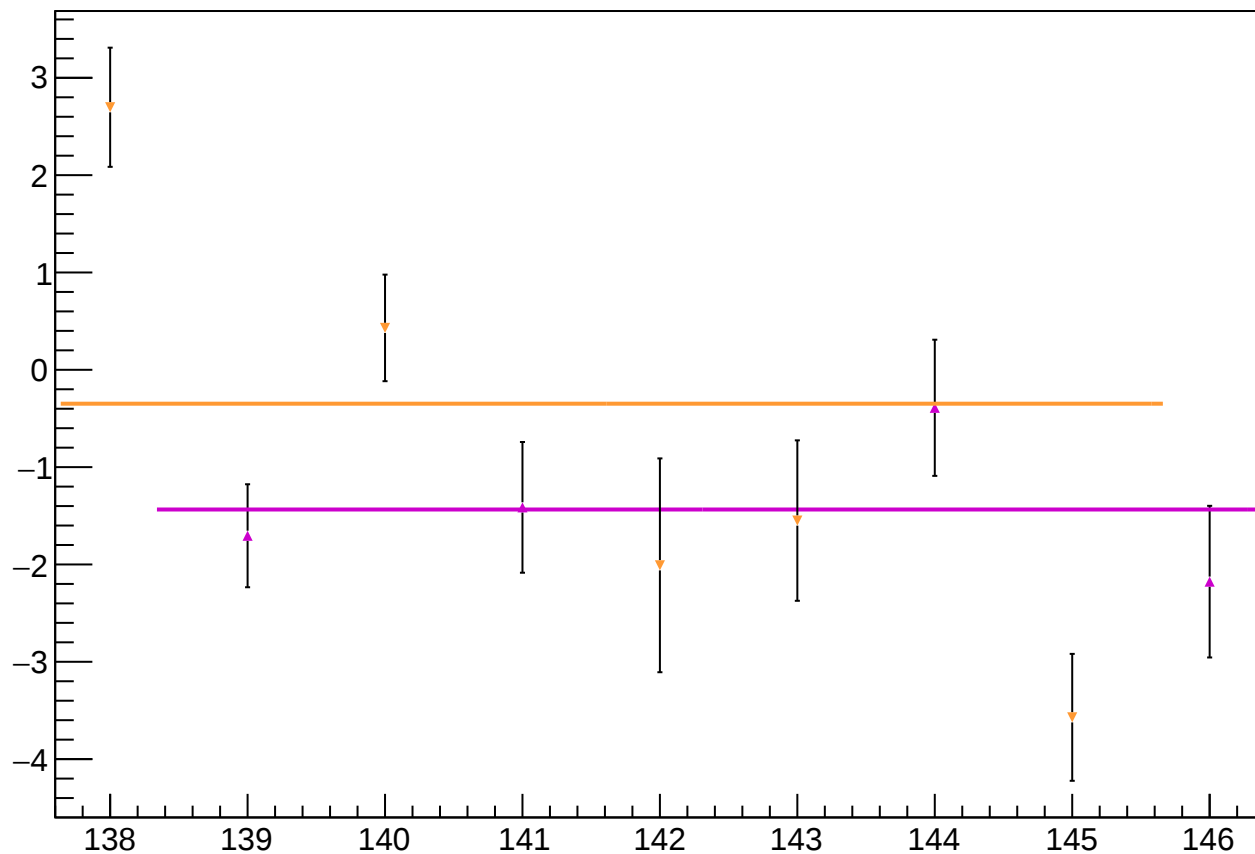
Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2724.7/19

Left In: 0.153 $\pm$ 0.007 χ^2 /NDF: 47.3/3

0.213 $\pm$ 0.003 χ^2 /NDF: 4071.6/21

0.182 $\pm$ 0.003 χ^2 /NDF: 2791.0/23

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.348+/-0.306 χ^2/NDF : 55.6/4

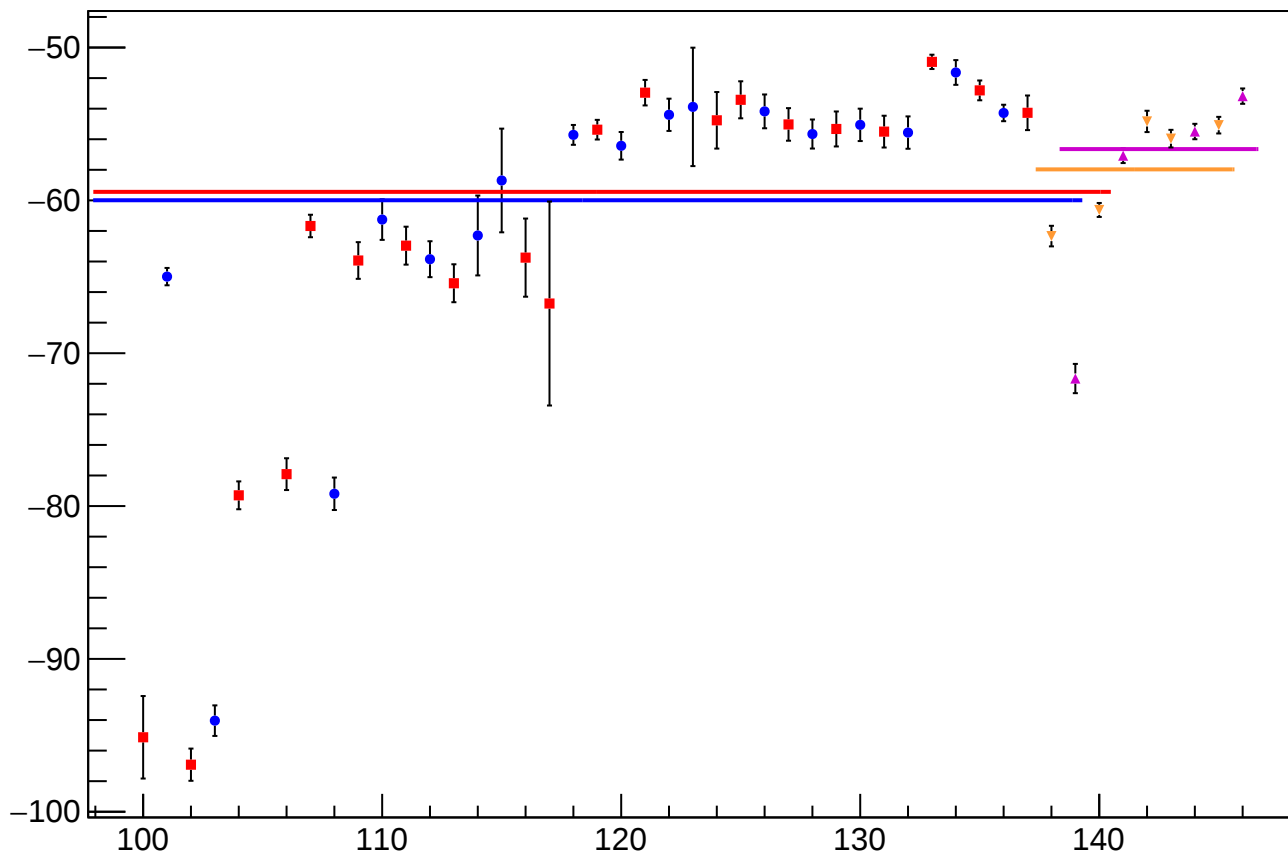
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1.435+/-0.325 χ^2/NDF : 3.4/3

-0.348+/-0.306 χ^2/NDF : 55.6/4

-1.435+/-0.325 χ^2/NDF : 3.4/3

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992±0.225 χ^2/NDF : 1972.9/16

Left Out: -57.972±0.254 χ^2/NDF :136.5/4

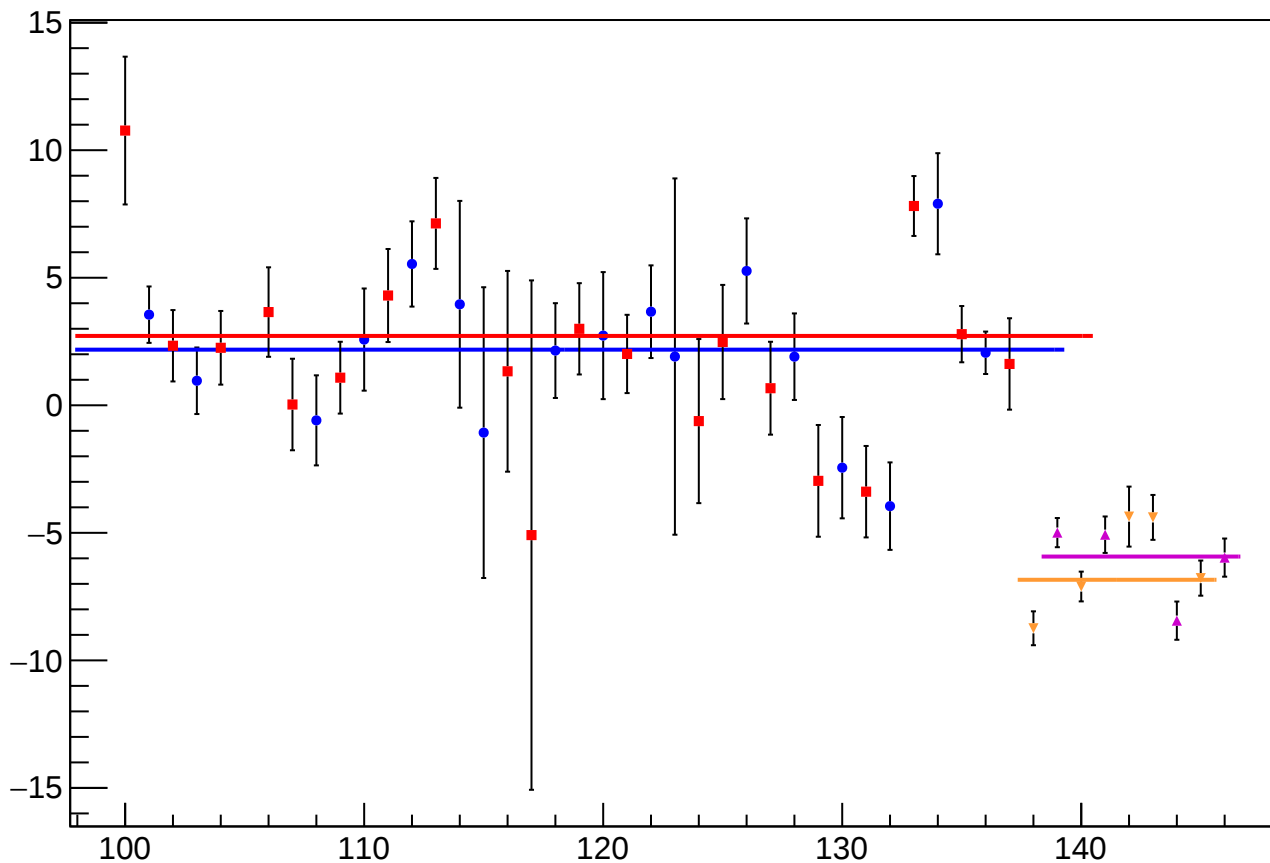
Right Out: -59.442±0.212 χ^2/NDF : 2919.1/19

Left In: -56.644±0.275 χ^2/NDF :299.4/3

-59.106±0.169 χ^2/NDF : 2144.8/21

-58.398±0.168 χ^2/NDF : 3283.6/23

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181+/-0.406 χ^2/NDF : 39.0/16

Left Out: -6.840+/-0.327 χ^2/NDF : 20.6/4

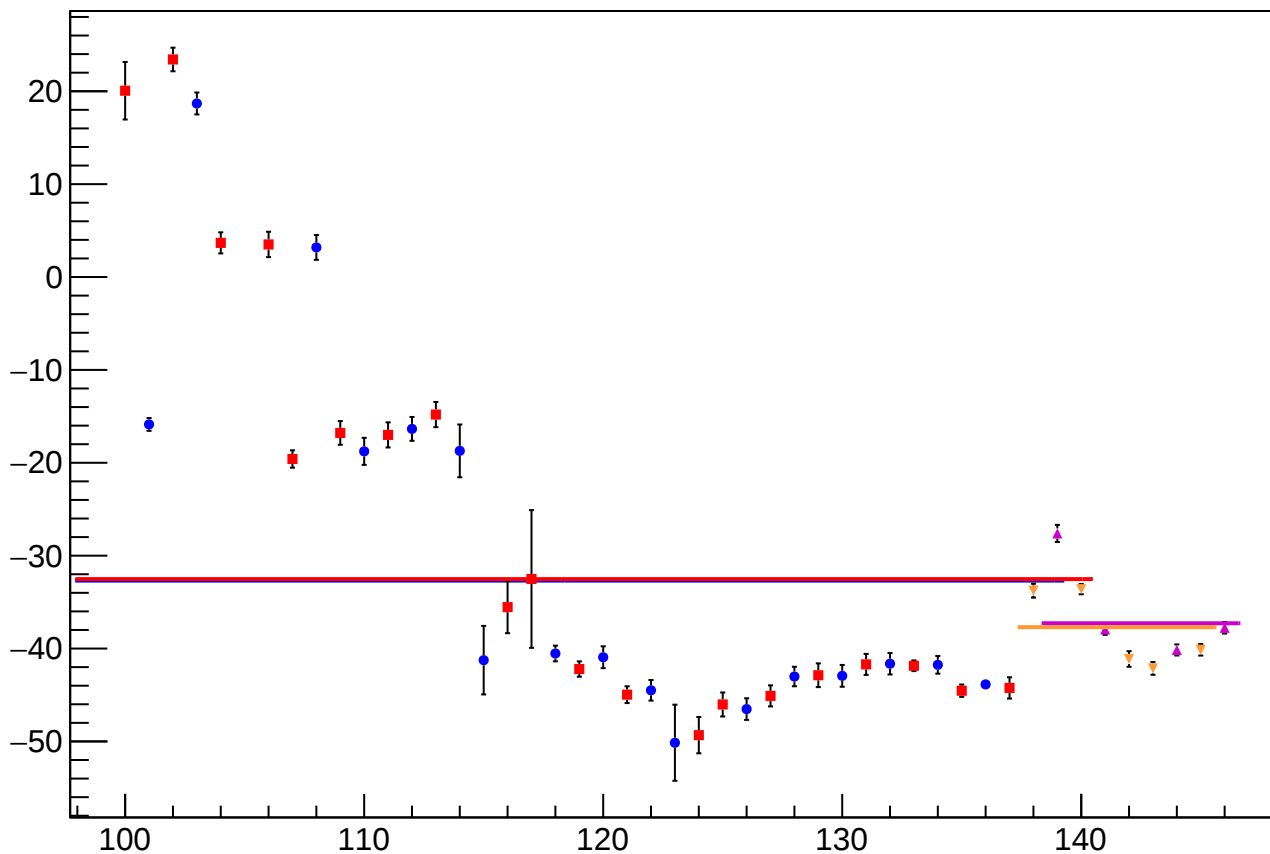
Right Out: 2.719+/-0.388 χ^2/NDF : 59.5/19

Left In: -5.930+/-0.341 χ^2/NDF : 15.4/3

-3.281+/-0.255 χ^2/NDF : 359.1/21

-2.153+/-0.256 χ^2/NDF : 355.3/23

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682+/-0.256 χ^2/NDF : 4646.9/16

Left Out: -37.697+/-0.299 χ^2/NDF :156.5/4

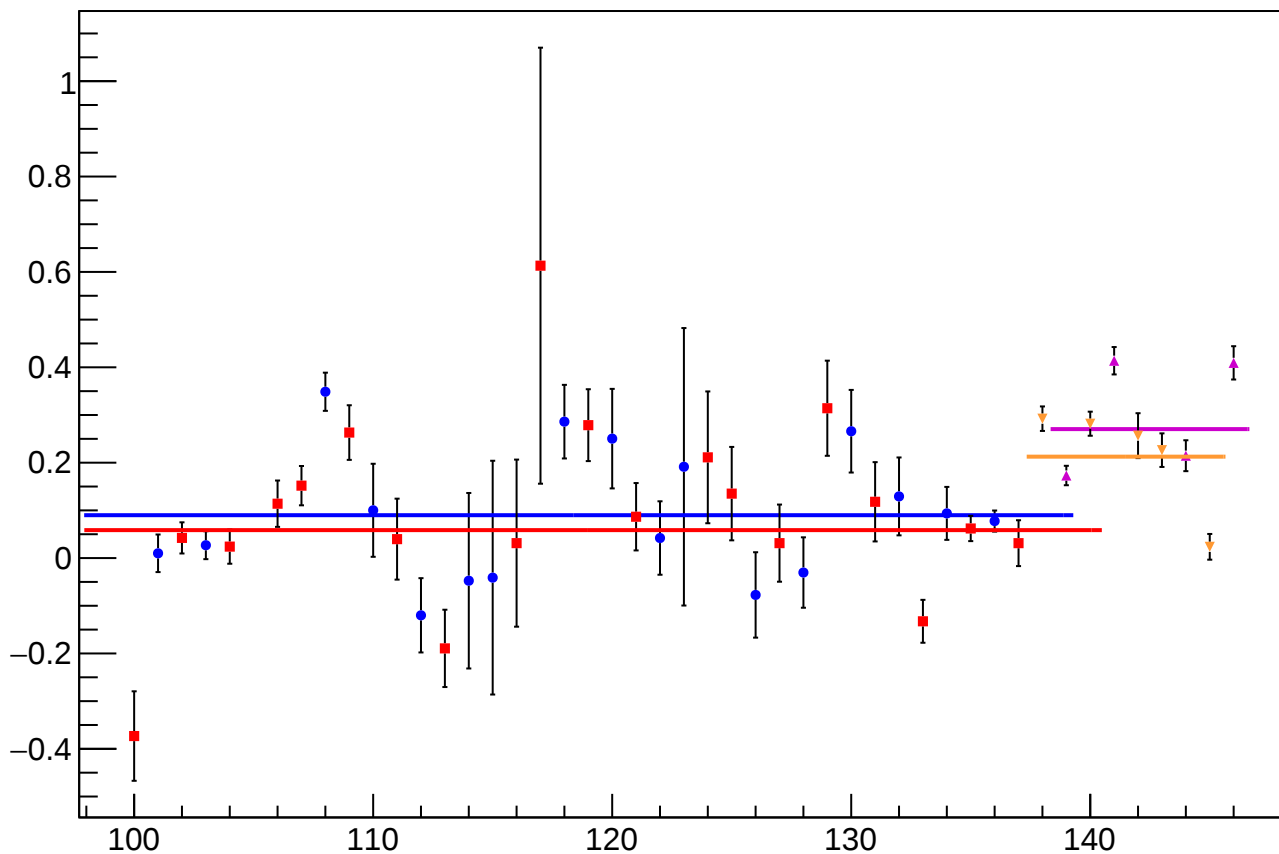
Right Out: -32.523+/-0.244 χ^2/NDF : 6045.3/19

Left In: -37.279+/-0.323 χ^2/NDF :135.3/3

-34.803+/-0.194 χ^2/NDF : 4965.9/21

-34.251+/-0.195 χ^2/NDF : 6318.7/23

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.213 ± 0.013 χ^2/NDF : 67.3/4

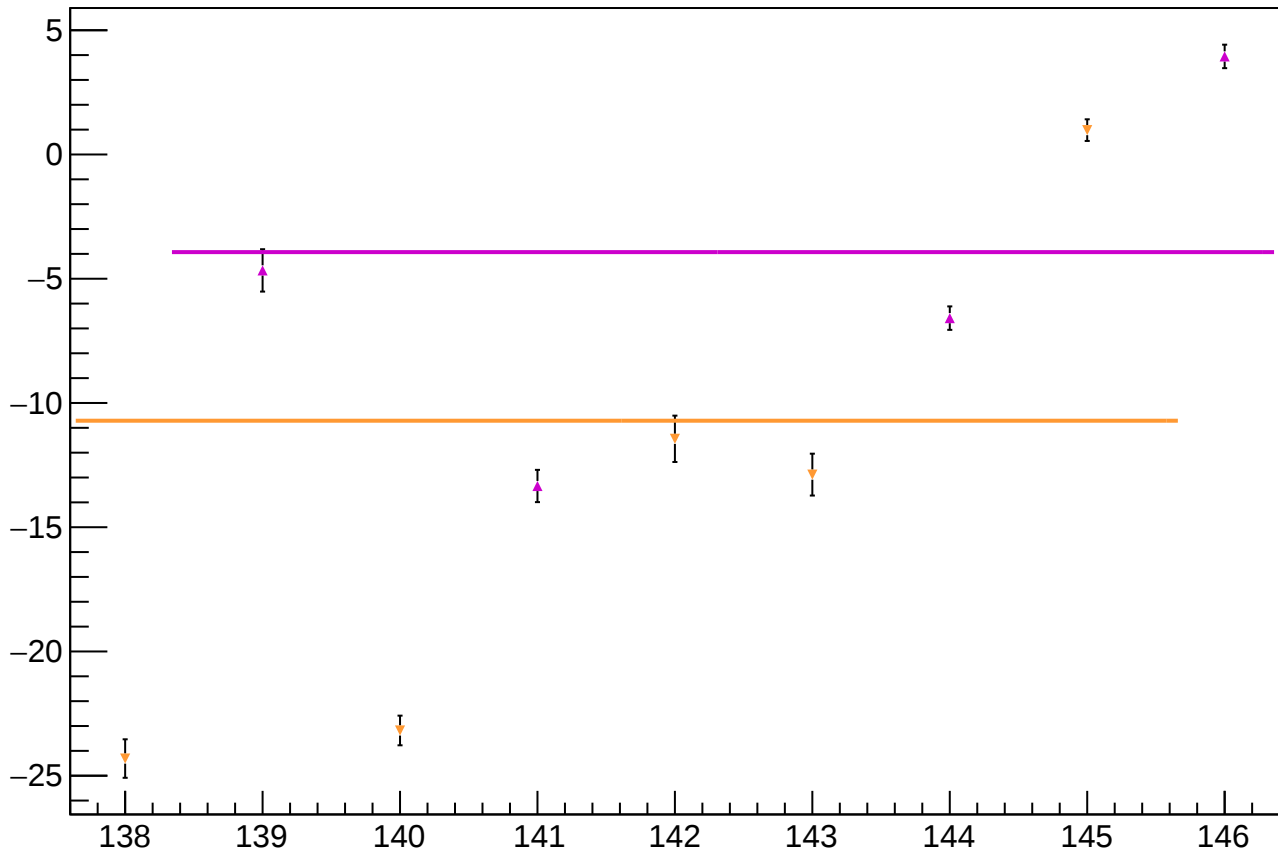
Right Out: 0.059 ± 0.012 χ^2/NDF : 88.6/19

Left In: 0.270 ± 0.014 χ^2/NDF : 66.5/3

0.149 ± 0.009 χ^2/NDF : 190.8/21

0.153 ± 0.009 χ^2/NDF : 289.6/23

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



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

Left Out: -10.714+/-0.285 χ^2/NDF : 1471.2/4

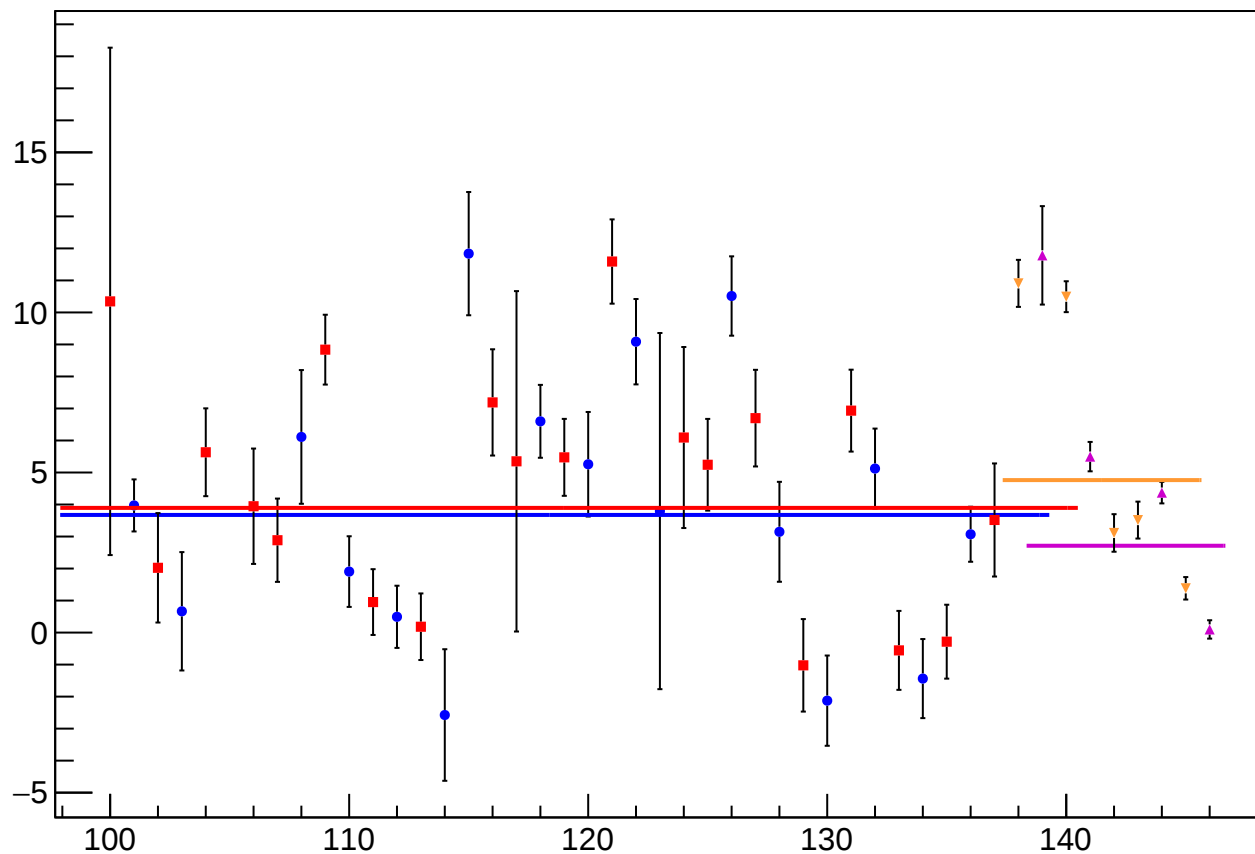
-10.714+/-0.285 χ^2/NDF : 1471.2/4

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

-3.929+/-0.280 χ^2/NDF : 520.3/3

Left In: -3.929+/-0.280 χ^2/NDF : 520.3/3

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 $\pm$ 0.310 χ^2 /NDF: 135.2/16

Left Out: 4.763 $\pm$ 0.223 χ^2 /NDF:316.4/4

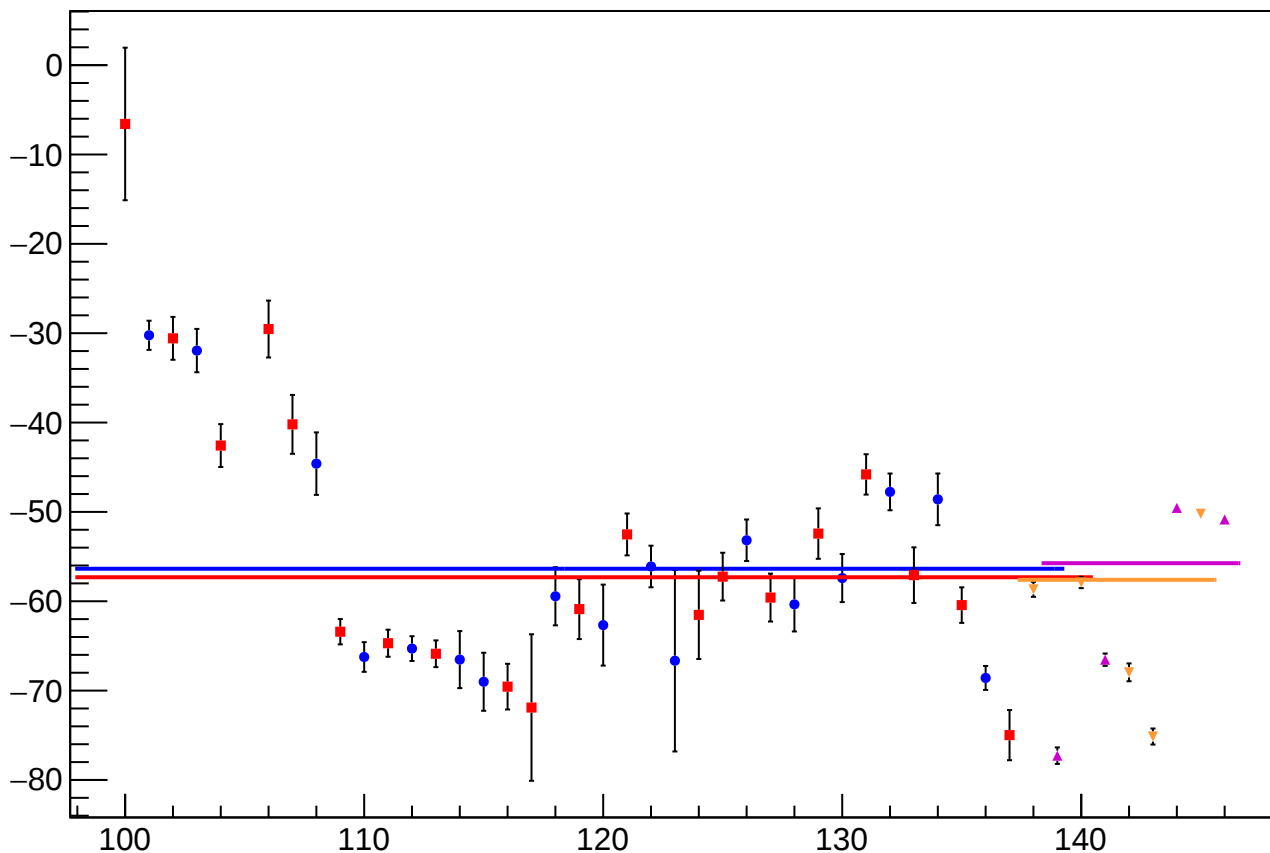
Right Out: 3.895 $\pm$ 0.316 χ^2 /NDF: 133.8/19

Left In: 2.712 $\pm$ 0.195 χ^2 /NDF:178.9/3

4.393 $\pm$ 0.181 χ^2 /NDF: 459.6/21

3.040 $\pm$ 0.166 χ^2 /NDF: 322.9/23

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 $\chi^2/\text{NDF}: 587.2/16$

Left Out: -57.599 ± 0.304 $\chi^2/\text{NDF}: 744.3/4$

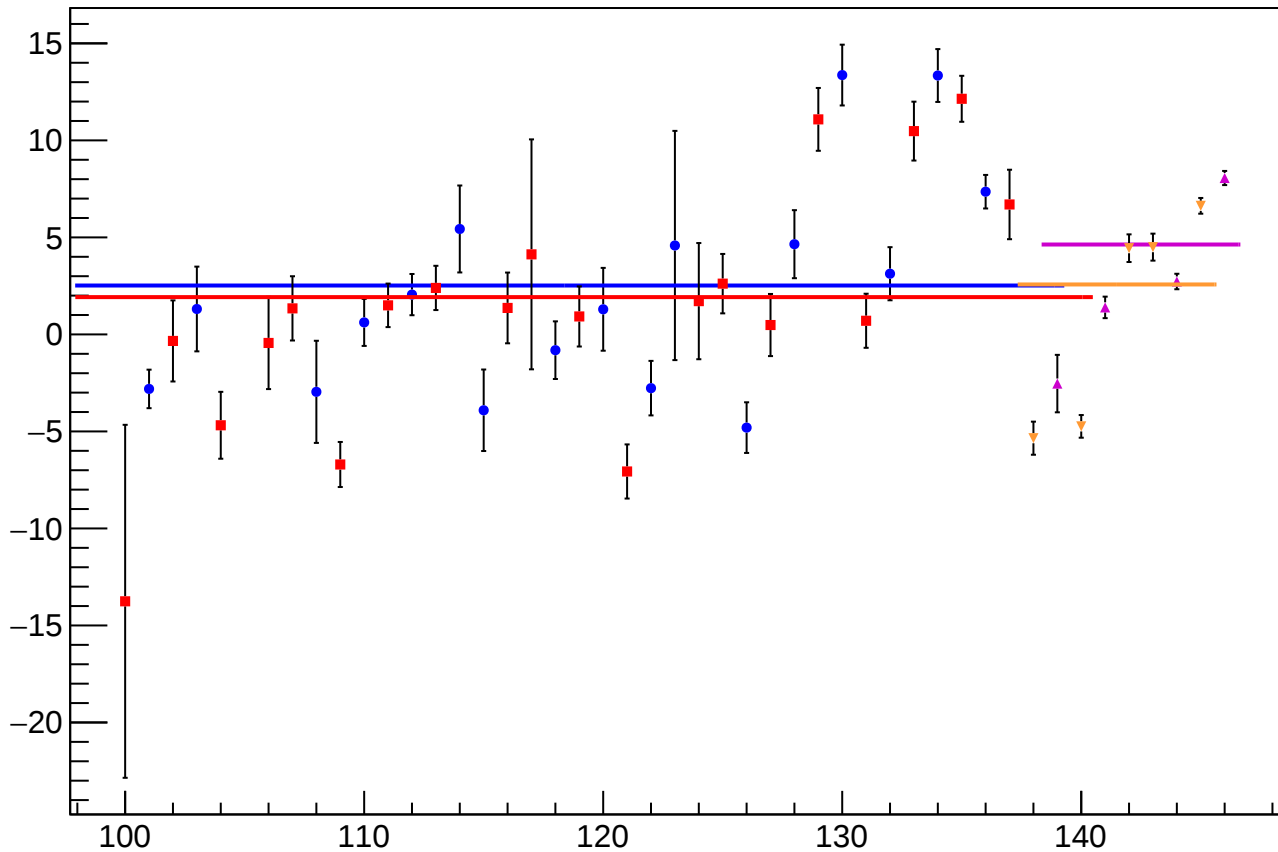
Right Out: -57.314 ± 0.535 $\chi^2/\text{NDF}: 479.2/19$

Left In: -55.740 ± 0.288 $\chi^2/\text{NDF}: 1055.4/3$

-57.303 ± 0.266 $\chi^2/\text{NDF}: 1335.4/21$

-56.094 ± 0.254 $\chi^2/\text{NDF}: 1541.3/23$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 2.574 ± 0.263 χ^2/NDF : 357.5/4

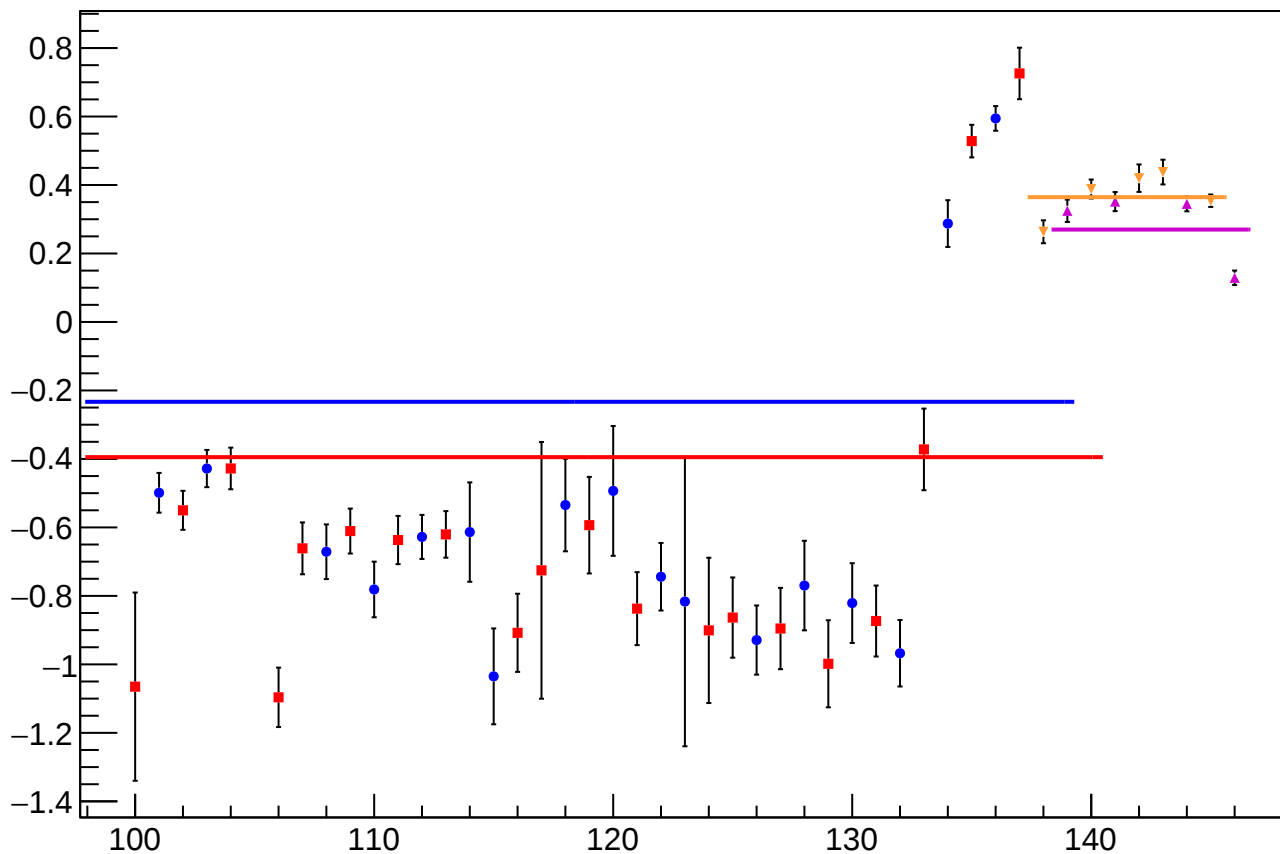
Right Out: 1.922 ± 0.354 χ^2/NDF : 264.7/19

Left In: 4.633 ± 0.239 χ^2/NDF : 168.9/3

2.554 ± 0.210 χ^2/NDF : 599.9/21

3.786 ± 0.198 χ^2/NDF : 473.8/23

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233+/-0.019 χ^2/NDF : 956.8/16

Left Out: 0.365+/-0.012 χ^2/NDF : 16.2/4

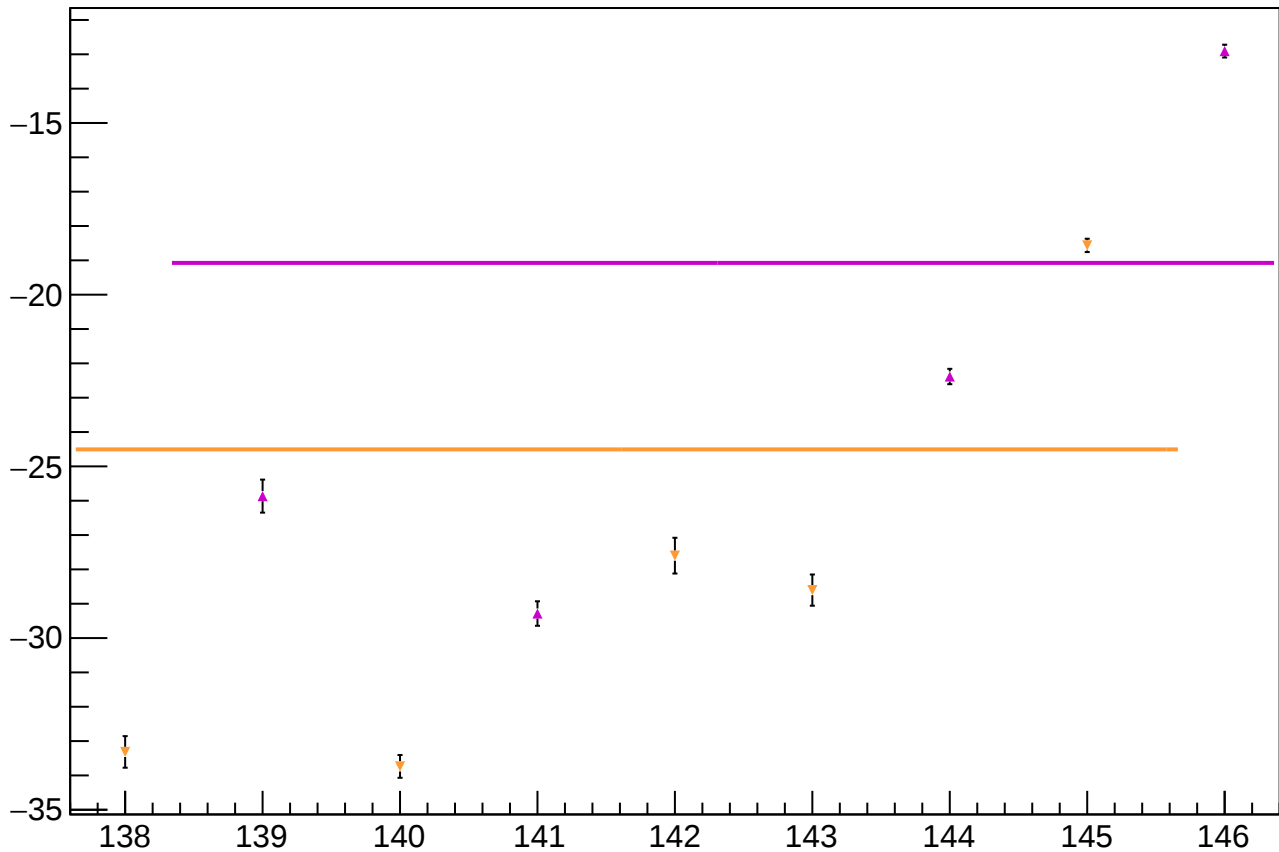
Right Out: -0.395+/-0.019 χ^2/NDF : 845.9/19

Left In: 0.270+/-0.012 χ^2/NDF : 67.5/3

0.187+/-0.010 χ^2/NDF : 1674.9/21

0.072+/-0.010 χ^2/NDF : 1776.2/23

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -24.506+/-0.143 χ^2/NDF : 2186.6/4

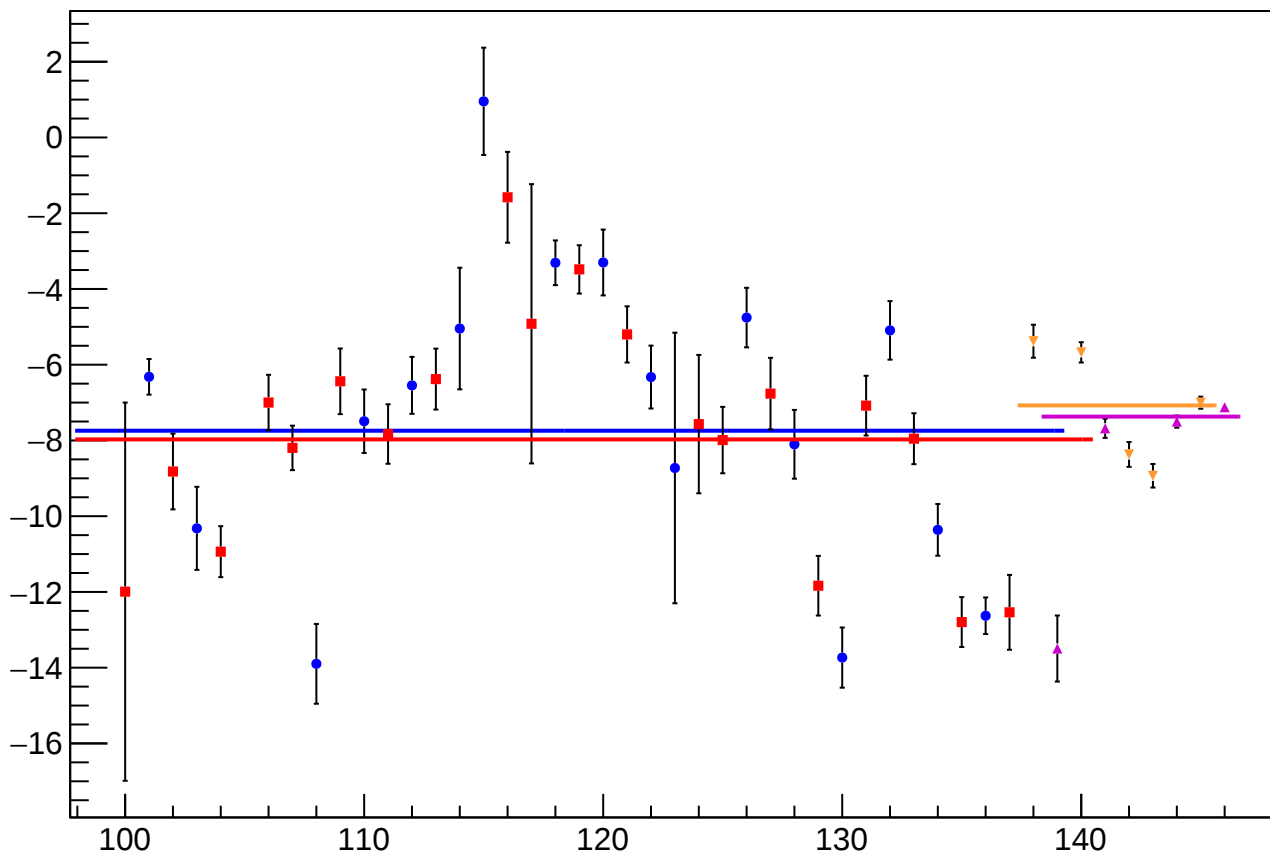
-24.506+/-0.143 χ^2/NDF : 2186.6/4

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

-19.074+/-0.128 χ^2/NDF : 2319.6/3

Left In: -19.074+/-0.128 χ^2/NDF : 2319.6/3

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -7.075 ± 0.113 χ^2/NDF : 94.0/4

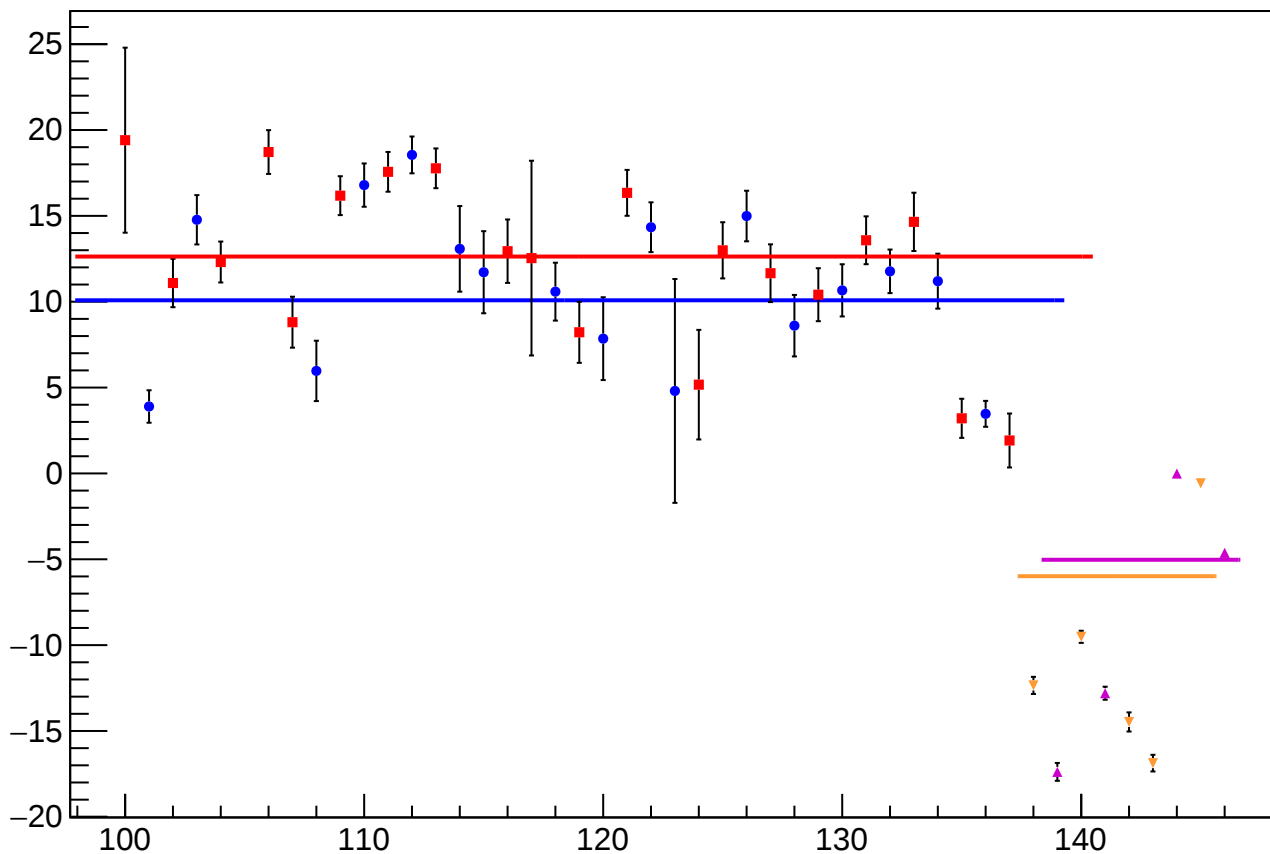
Right Out: -7.973 ± 0.186 χ^2/NDF : 224.2/19

Left In: -7.370 ± 0.088 χ^2/NDF : 56.0/3

-7.254 ± 0.097 χ^2/NDF : 480.8/21

-7.481 ± 0.079 χ^2/NDF : 288.8/23

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083+/-0.338 χ^2/NDF : 252.7/16

Left Out: -5.986+/-0.152 χ^2/NDF : 1687.4/4

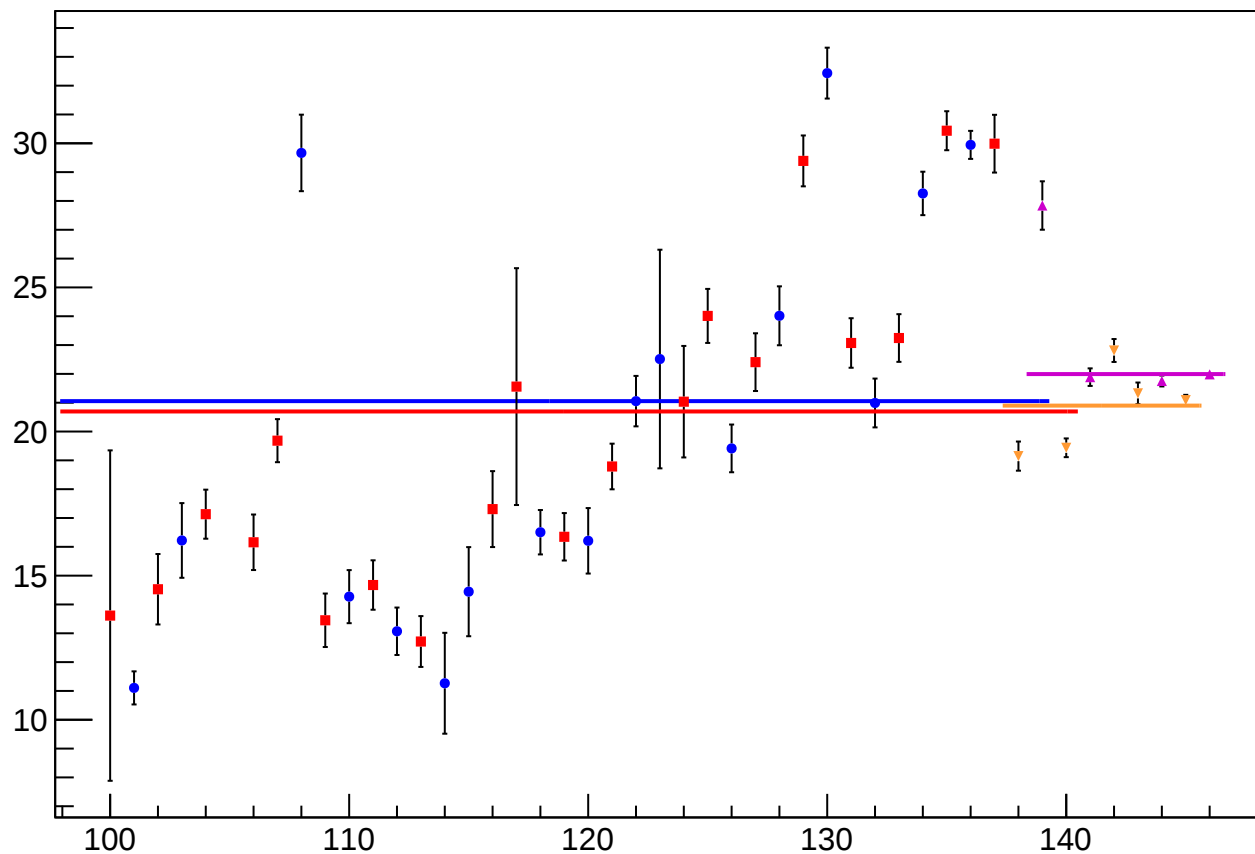
Right Out: 12.631+/-0.332 χ^2/NDF : 218.6/19

Left In: -5.029+/-0.130 χ^2/NDF : 1426.4/3

-3.270+/-0.139 χ^2/NDF : 3819.1/21

-2.669+/-0.121 χ^2/NDF : 4095.2/23

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055 ± 0.211 $\chi^2/\text{NDF}: 1211.8/16$

Left Out: 20.900 ± 0.133 $\chi^2/\text{NDF}: 57.8/4$

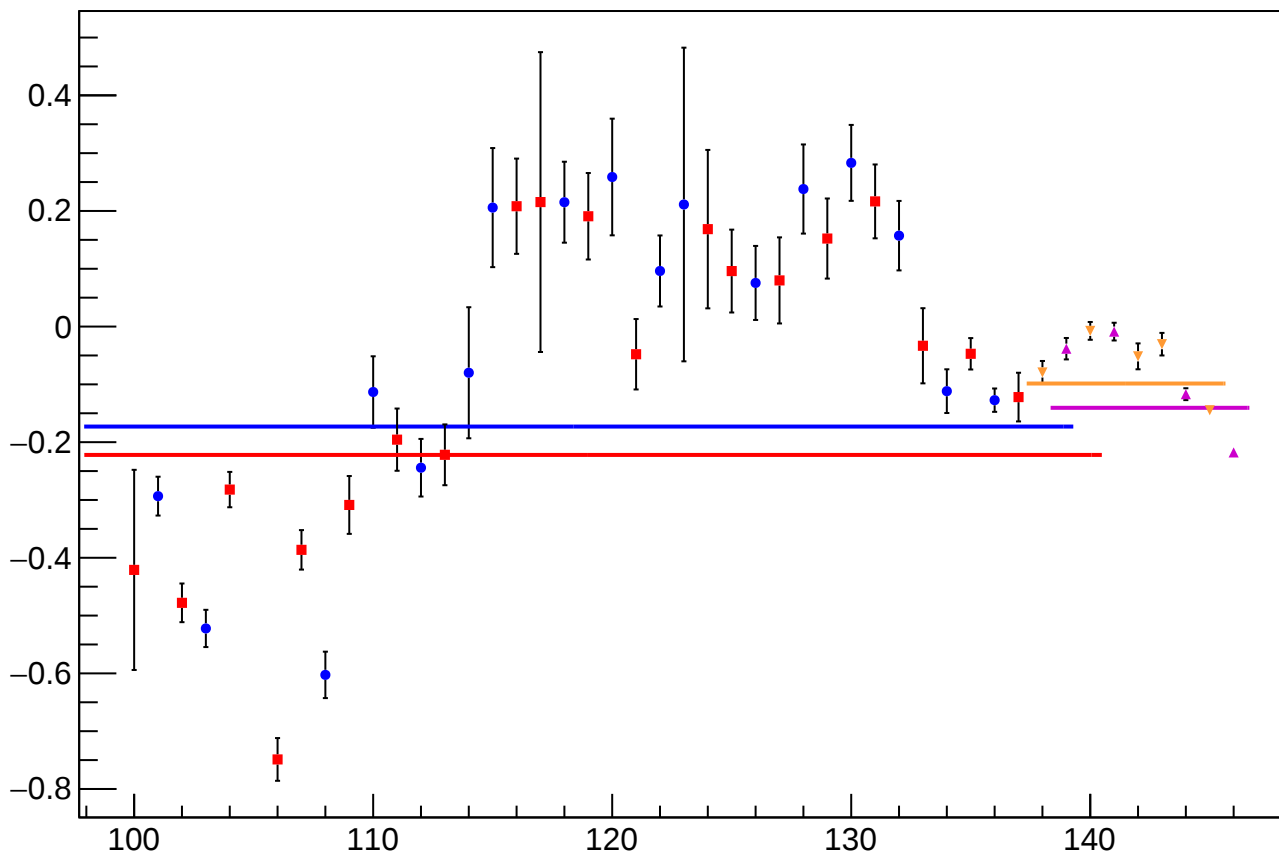
Right Out: 20.696 ± 0.212 $\chi^2/\text{NDF}: 724.1/19$

Left In: 21.993 ± 0.108 $\chi^2/\text{NDF}: 50.2/3$

20.944 ± 0.113 $\chi^2/\text{NDF}: 1269.9/21$

21.729 ± 0.096 $\chi^2/\text{NDF}: 804.0/23$

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.099 ± 0.006 χ^2/NDF : 85.1/4

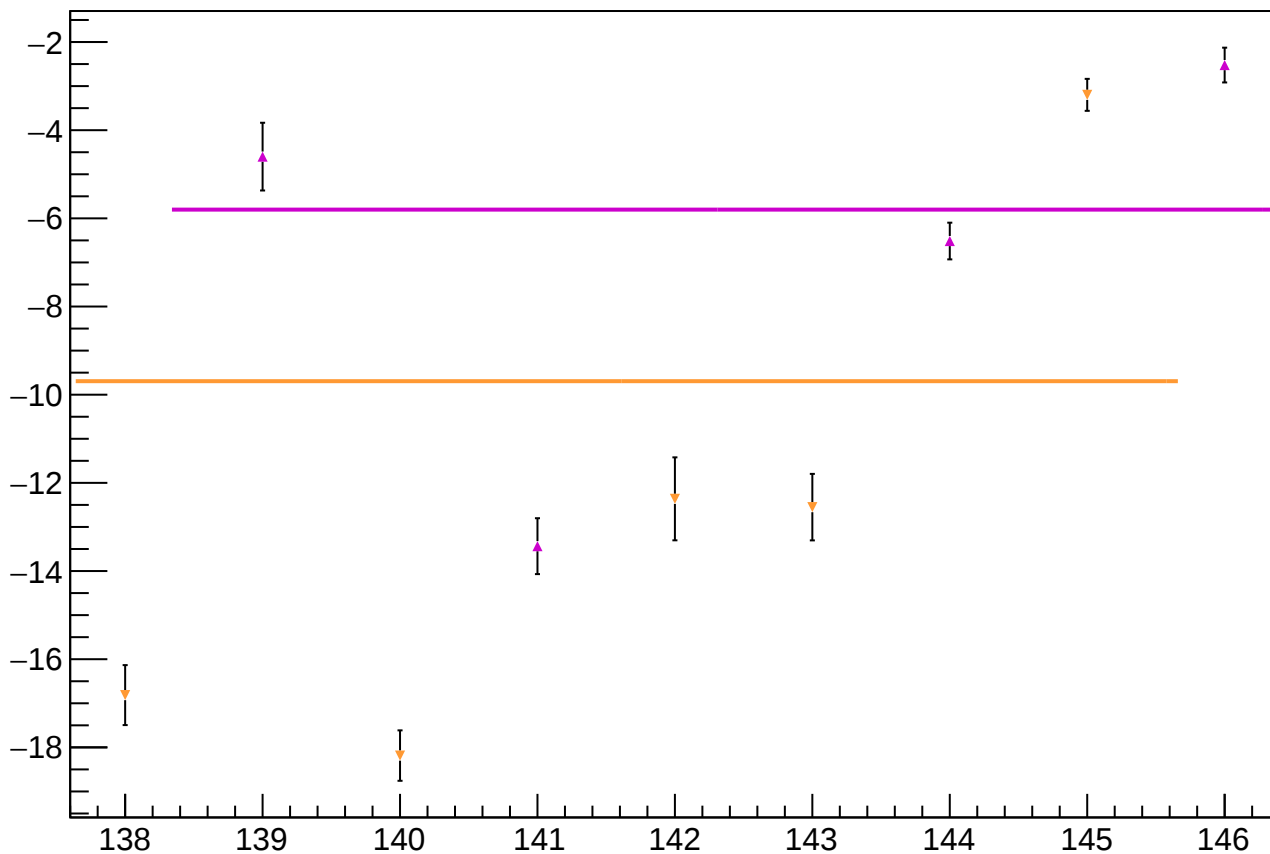
Right Out: -0.222 ± 0.011 χ^2/NDF : 538.0/19

Left In: -0.141 ± 0.006 χ^2/NDF : 193.1/3

-0.116 ± 0.005 χ^2/NDF : 580.9/21

-0.158 ± 0.005 χ^2/NDF : 774.6/23

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.693+/-0.252 χ^2/NDF : 673.1/4

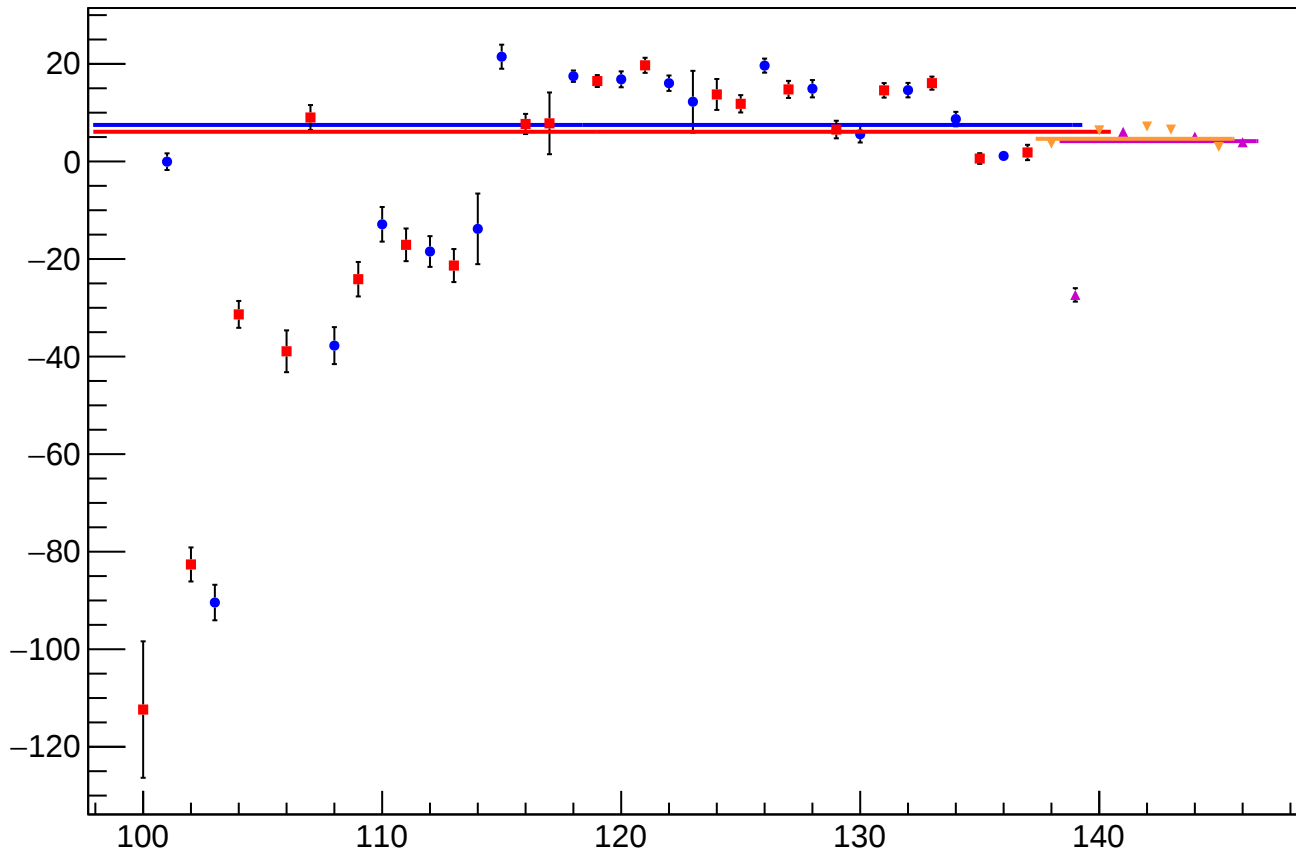
-9.693+/-0.252 χ^2/NDF : 673.1/4

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

-5.802+/-0.247 χ^2/NDF : 219.5/3

Left In: -5.802+/-0.247 χ^2/NDF : 219.5/3

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488+/-0.407 χ^2/NDF : 1340.5/16

Left Out: 4.643+/-0.198 χ^2/NDF : 80.5/4

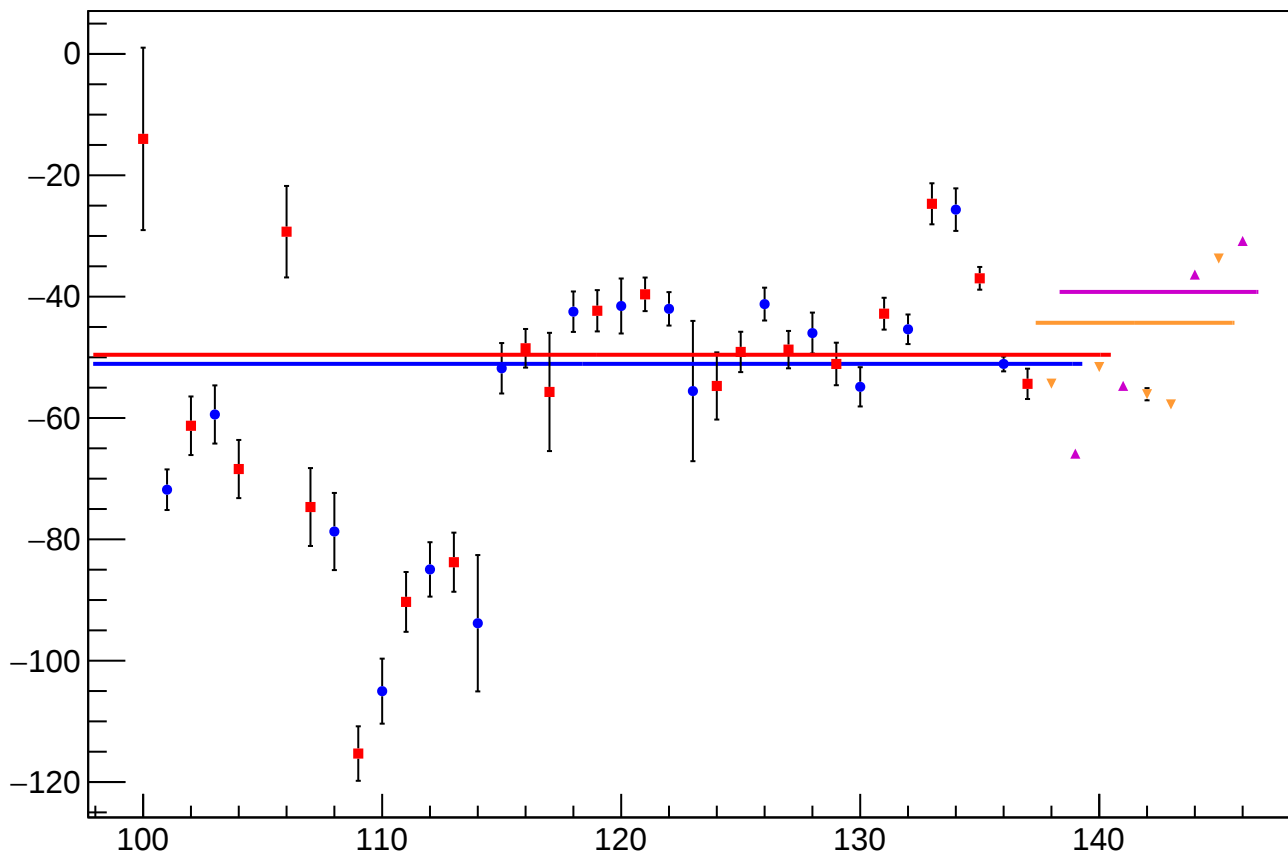
Right Out: 6.086+/-0.433 χ^2/NDF : 1512.2/19

Left In: 4.163+/-0.175 χ^2/NDF : 549.2/3

5.186+/-0.178 χ^2/NDF : 1460.6/21

4.433+/-0.162 χ^2/NDF : 2078.3/23

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077±0.741 χ^2/NDF : 330.2/16

Left Out: -44.307±0.270 χ^2/NDF : 1491.5/4

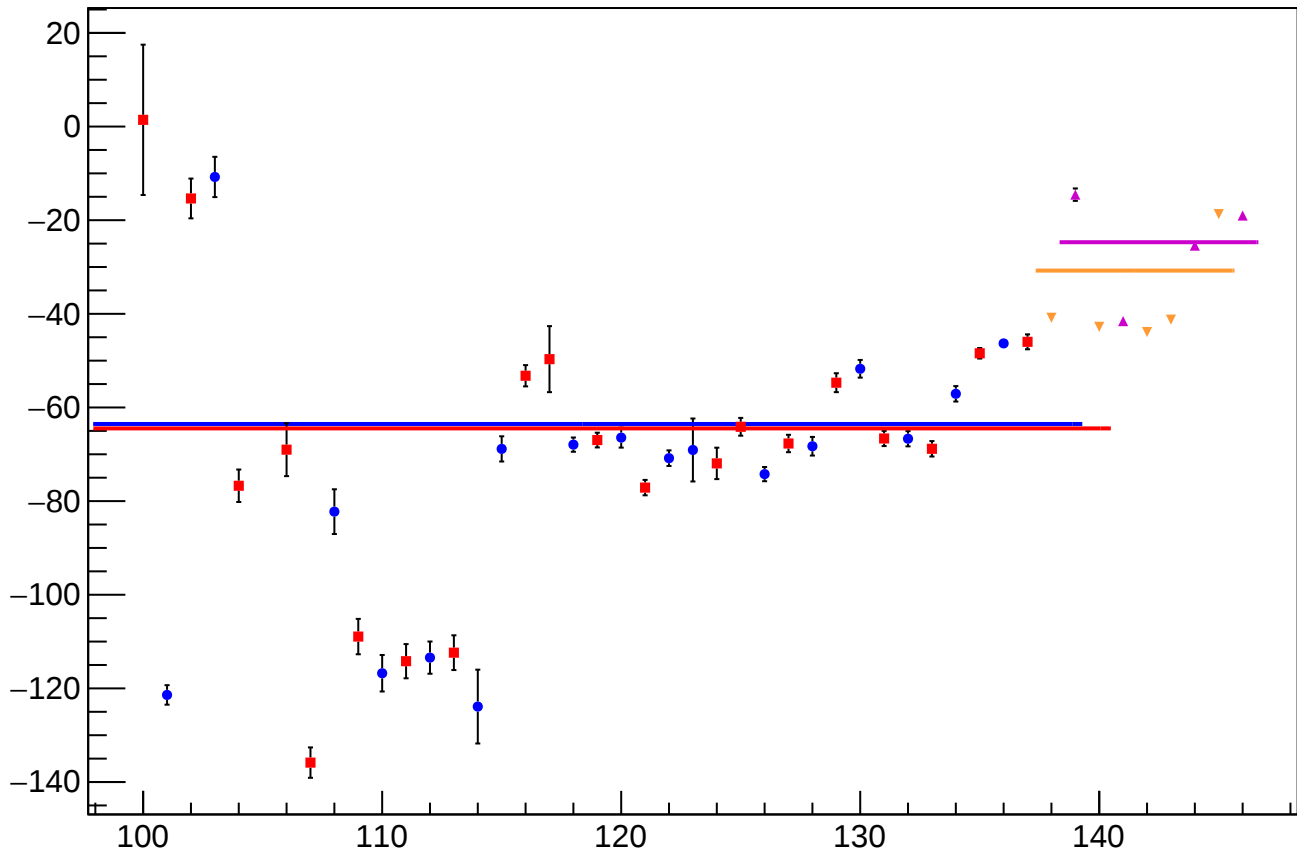
Right Out: -49.579±0.796 χ^2/NDF : 510.0/19

Left In: -39.220±0.253 χ^2/NDF : 2084.0/3

-45.101±0.254 χ^2/NDF : 1895.4/21

-40.173±0.241 χ^2/NDF : 2747.8/23

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525+/-0.449 χ^2/NDF : 2010.9/16

Left Out: -30.762+/-0.233 χ^2/NDF : 2555.8/4

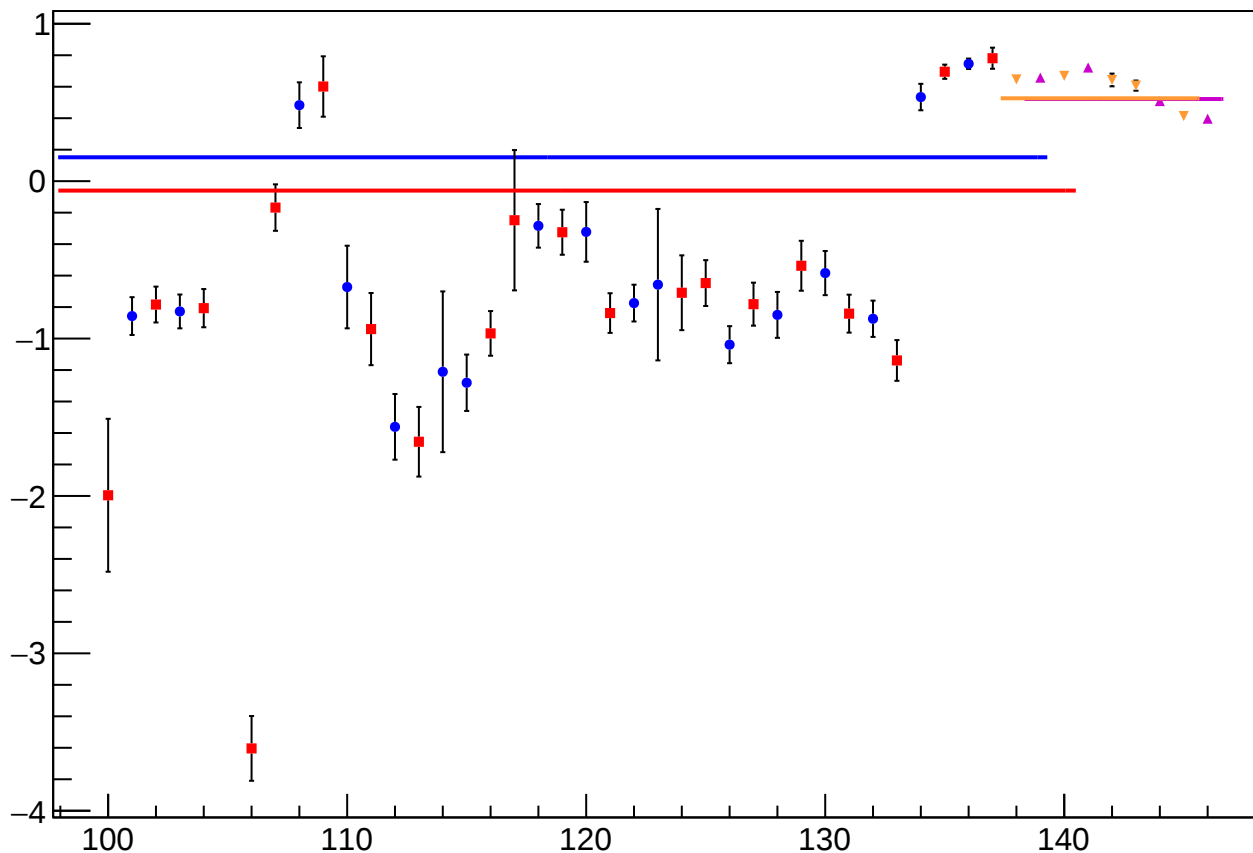
Right Out: -64.470+/-0.482 χ^2/NDF : 1607.5/19

Left In: -24.704+/-0.213 χ^2/NDF : 1357.3/3

-37.725+/-0.207 χ^2/NDF : 8765.9/21

-31.185+/-0.195 χ^2/NDF : 8666.3/23

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: 0.526 $\pm$ 0.011 χ^2/NDF : 115.2/4

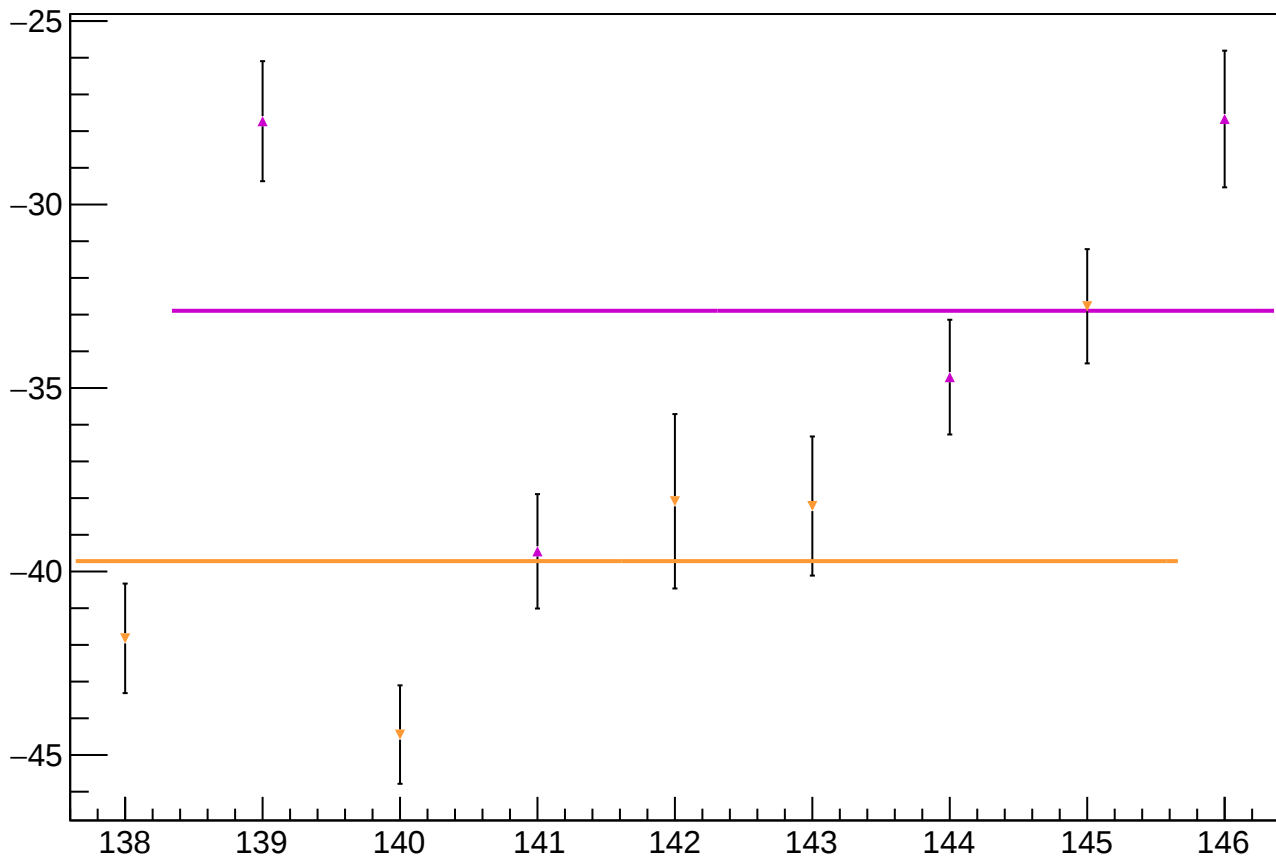
Right Out: -0.060 $\pm$ 0.026 χ^2/NDF : 1162.1/19

Left In: 0.522 $\pm$ 0.011 χ^2/NDF : 124.7/3

0.463 $\pm$ 0.010 χ^2/NDF : 1304.4/21

0.436 $\pm$ 0.010 χ^2/NDF : 1705.4/23

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -39.717+/-0.731 χ^2/NDF : 35.4/4

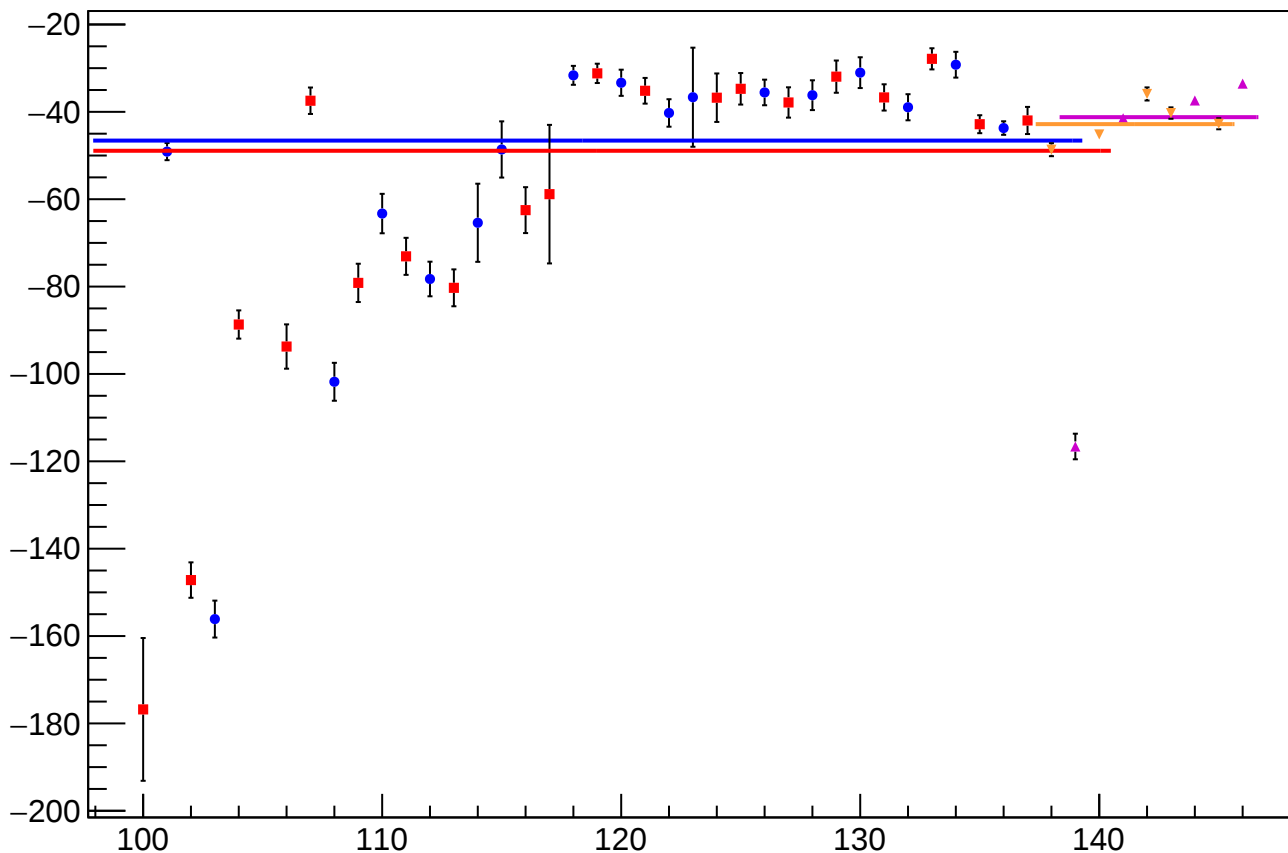
-39.717+/-0.731 χ^2/NDF : 35.4/4

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

-32.895+/-0.821 χ^2/NDF : 36.9/3

Left In: -32.895+/-0.821 χ^2/NDF : 36.9/3

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -42.812 ± 0.583 χ^2/NDF : 45.1/4

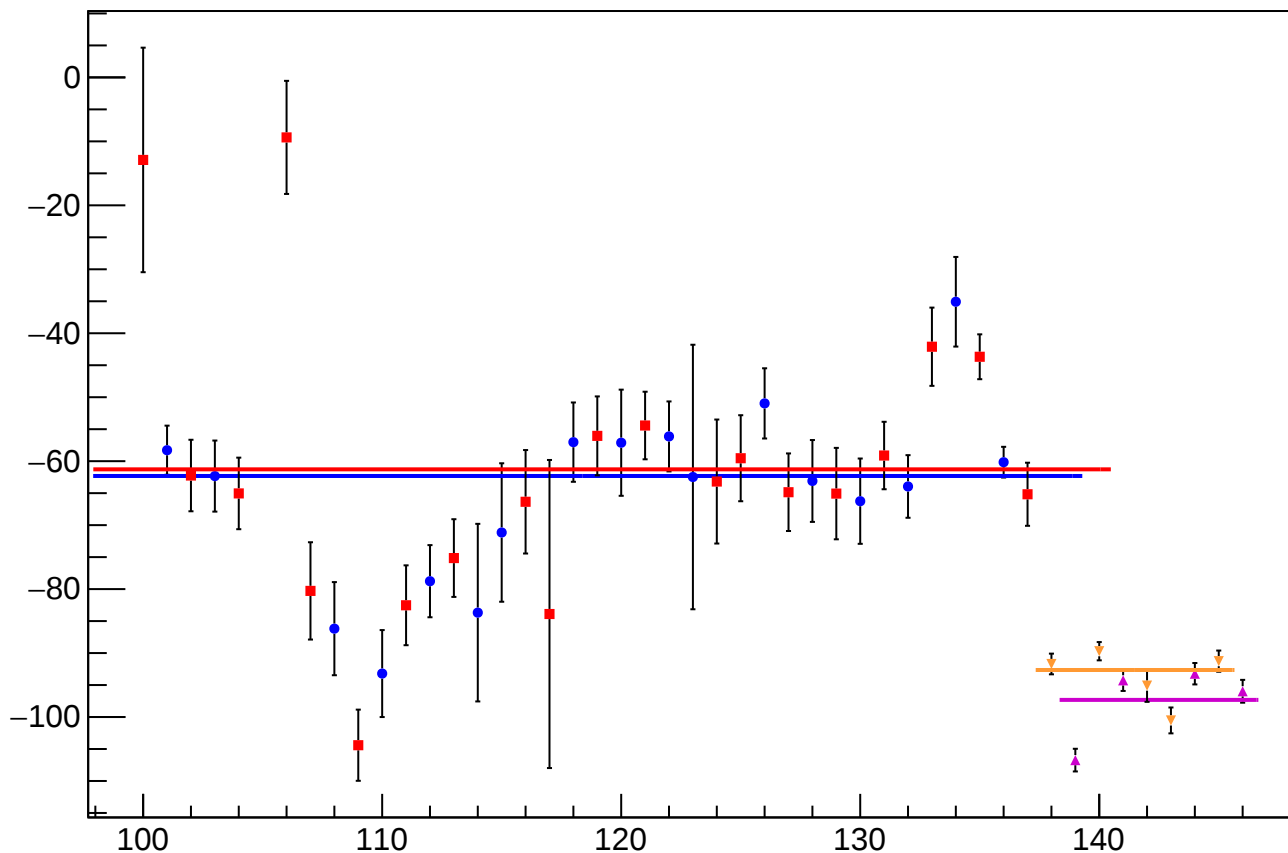
Right Out: -48.911 ± 0.763 χ^2/NDF : 1277.9/19

Left In: -41.216 ± 0.632 χ^2/NDF : 719.1/3

-44.280 ± 0.456 χ^2/NDF : 1137.7/21

-44.351 ± 0.487 χ^2/NDF : 2057.3/23

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -92.648 ± 0.782 $\chi^2/\text{NDF}: 21.4/4$

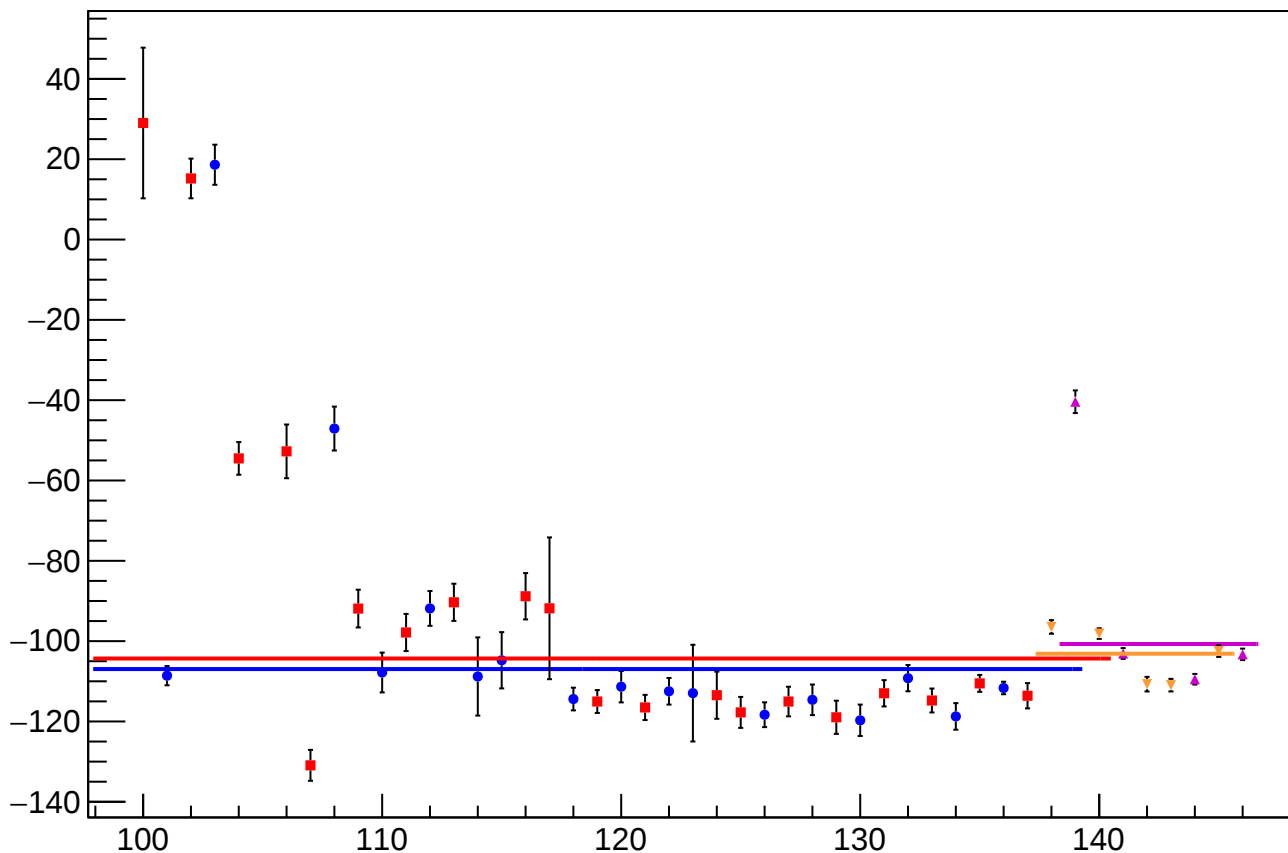
Right Out: -61.277 ± 1.379 $\chi^2/\text{NDF}: 165.9/19$

Left In: -97.322 ± 0.860 $\chi^2/\text{NDF}: 38.2/3$

-84.731 ± 0.672 $\chi^2/\text{NDF}: 481.3/21$

-87.234 ± 0.729 $\chi^2/\text{NDF}: 696.3/23$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954±/0.817 χ^2/NDF : 827.2/16

Left Out: -103.137±/0.691 χ^2/NDF : 72.0/4

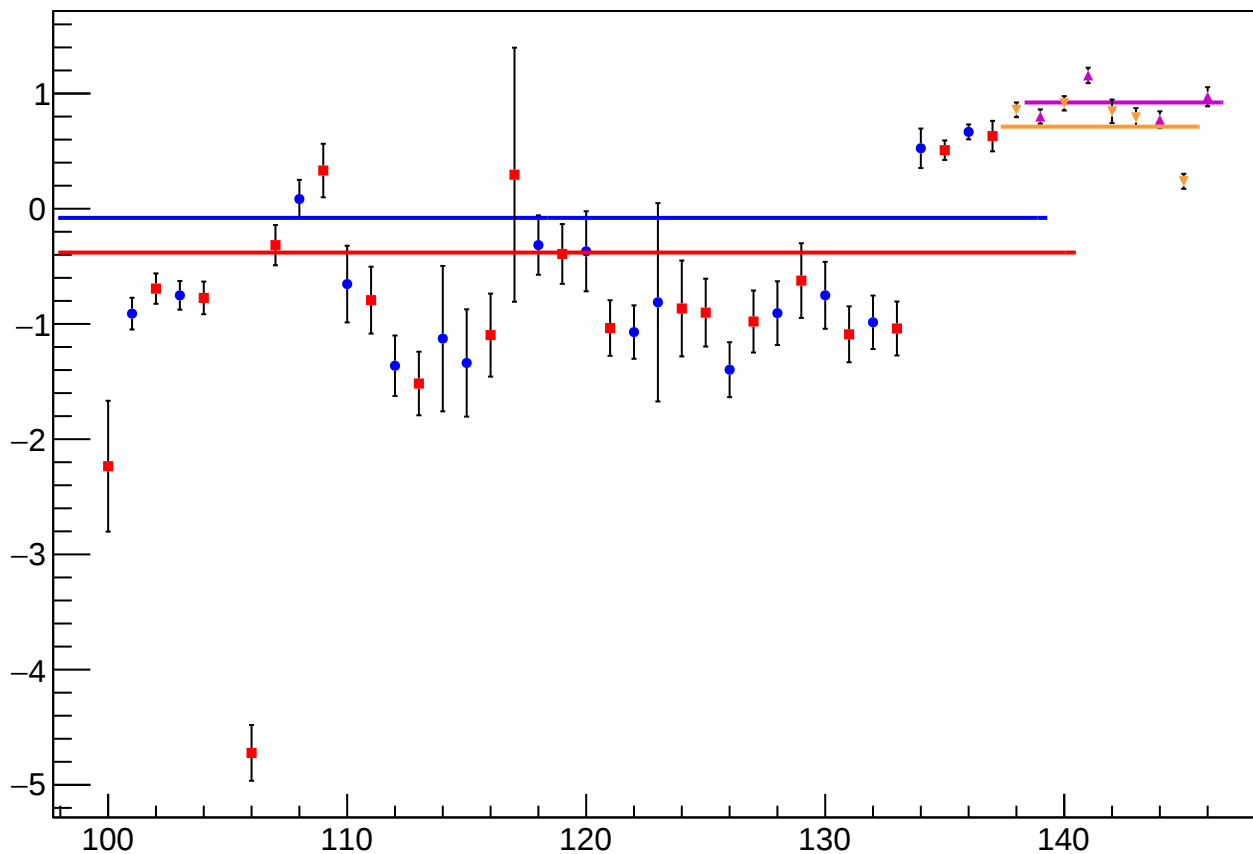
Right Out: -104.326±/0.860 χ^2/NDF : 1021.5/19

Left In: -100.709±/0.757 χ^2/NDF : 507.9/3

-104.729±/0.528 χ^2/NDF : 912.0/21

-102.288±/0.568 χ^2/NDF : 1539.4/23

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.712 ± 0.032 χ^2/NDF : 72.0/4

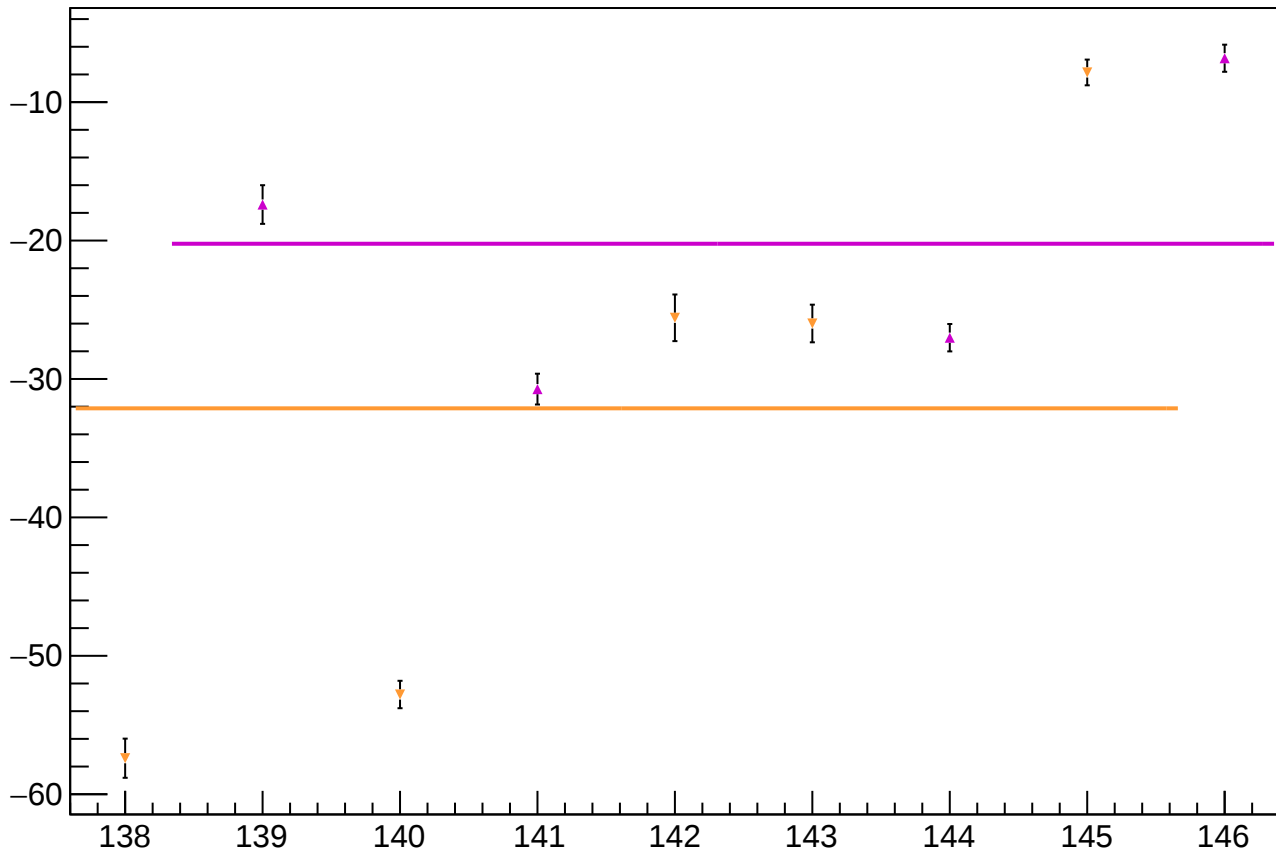
Right Out: -0.380 ± 0.044 χ^2/NDF : 580.9/19

Left In: 0.922 ± 0.035 χ^2/NDF : 20.7/3

0.426 ± 0.025 χ^2/NDF : 624.7/21

0.417 ± 0.027 χ^2/NDF : 1138.4/23

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -32.121+/-0.529 χ^2/NDF : 1472.3/4

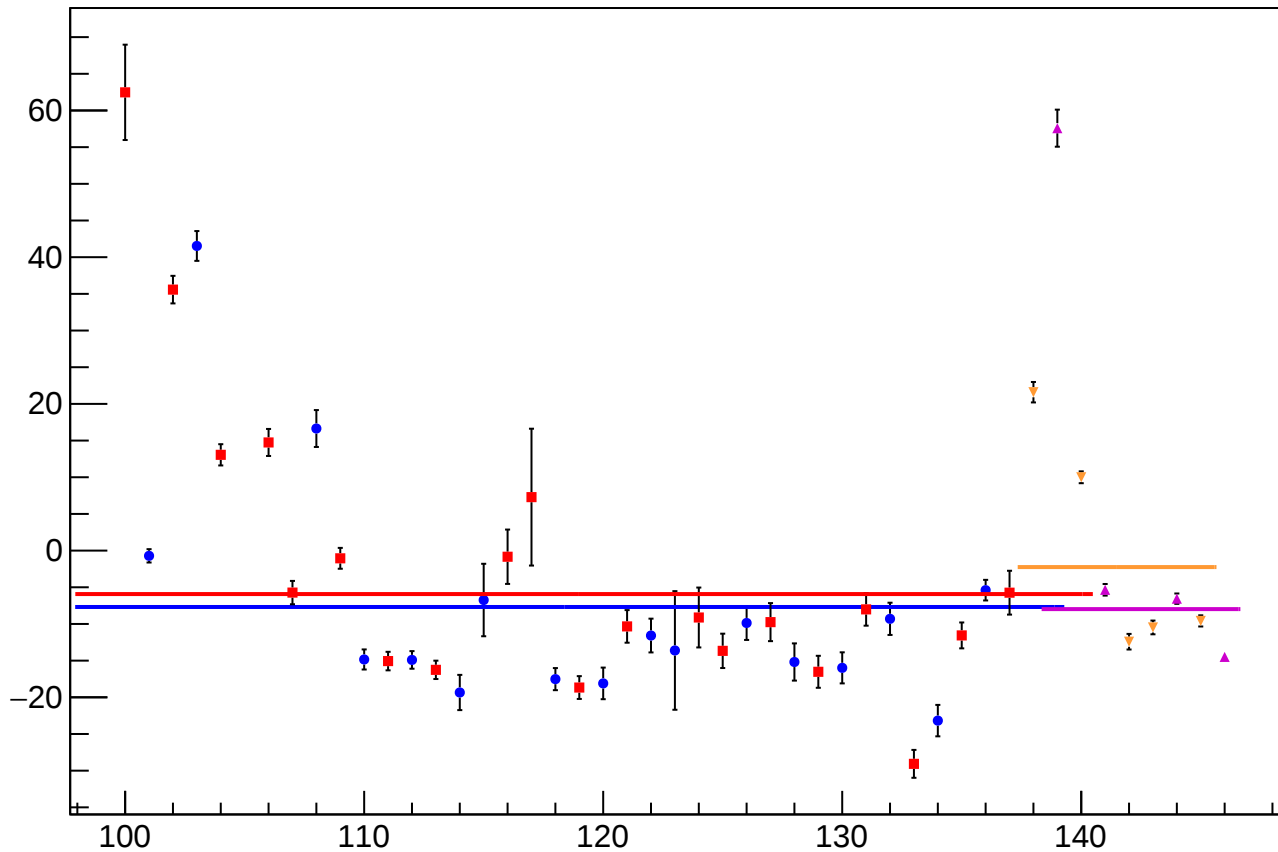
-32.121+/-0.529 χ^2/NDF : 1472.3/4

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

Left In: -20.231+/-0.544 χ^2/NDF : 327.4/3

-20.231+/-0.544 χ^2/NDF : 327.4/3

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 $\chi^2/\text{NDF}: 975.9/16$

Left Out: -2.246 ± 0.416 $\chi^2/\text{NDF}: 783.3/4$

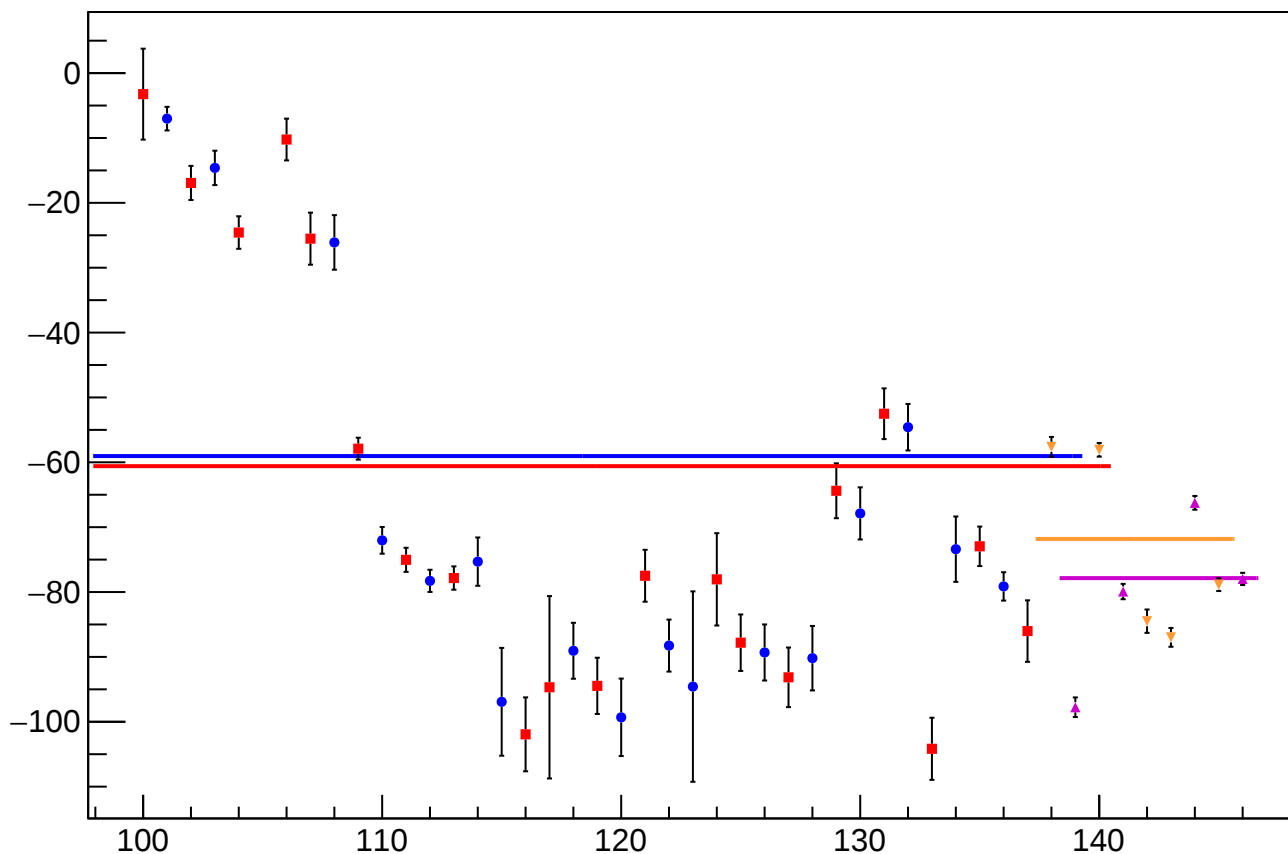
Right Out: -5.925 ± 0.428 $\chi^2/\text{NDF}: 1300.1/19$

Left In: -7.976 ± 0.395 $\chi^2/\text{NDF}: 801.2/3$

-4.873 ± 0.299 $\chi^2/\text{NDF}: 1842.0/21$

-7.034 ± 0.290 $\chi^2/\text{NDF}: 2113.7/23$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039±0.746 χ^2/NDF : 1709.5/16

Left Out: -71.814±0.564 χ^2/NDF : 465.5/4

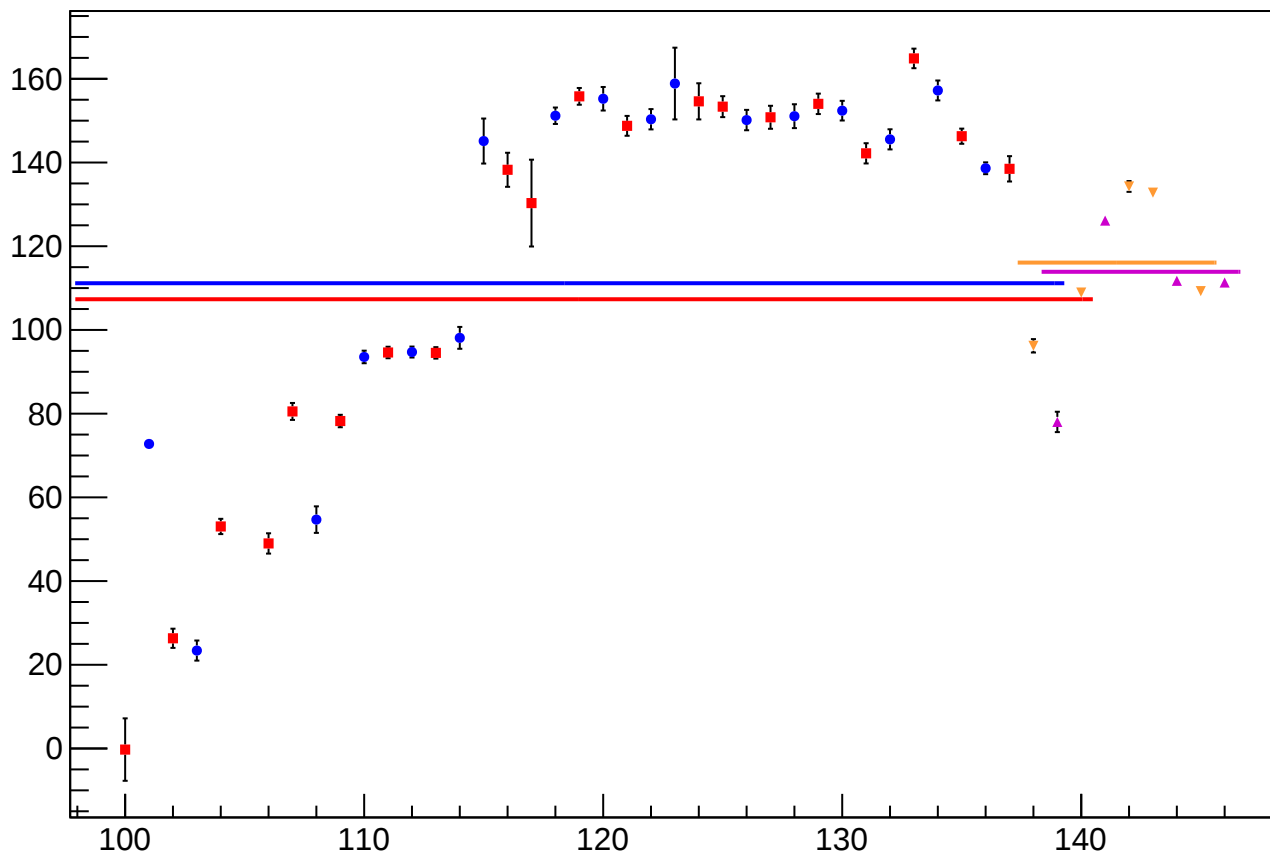
Right Out: -60.593±0.704 χ^2/NDF : 1390.7/19

Left In: -77.854±0.561 χ^2/NDF : 296.5/3

-67.162±0.450 χ^2/NDF : 2361.6/21

-71.138±0.439 χ^2/NDF : 2055.0/23

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 116.093 $\pm$ 0.492 χ^2 /NDF: 687.6/4

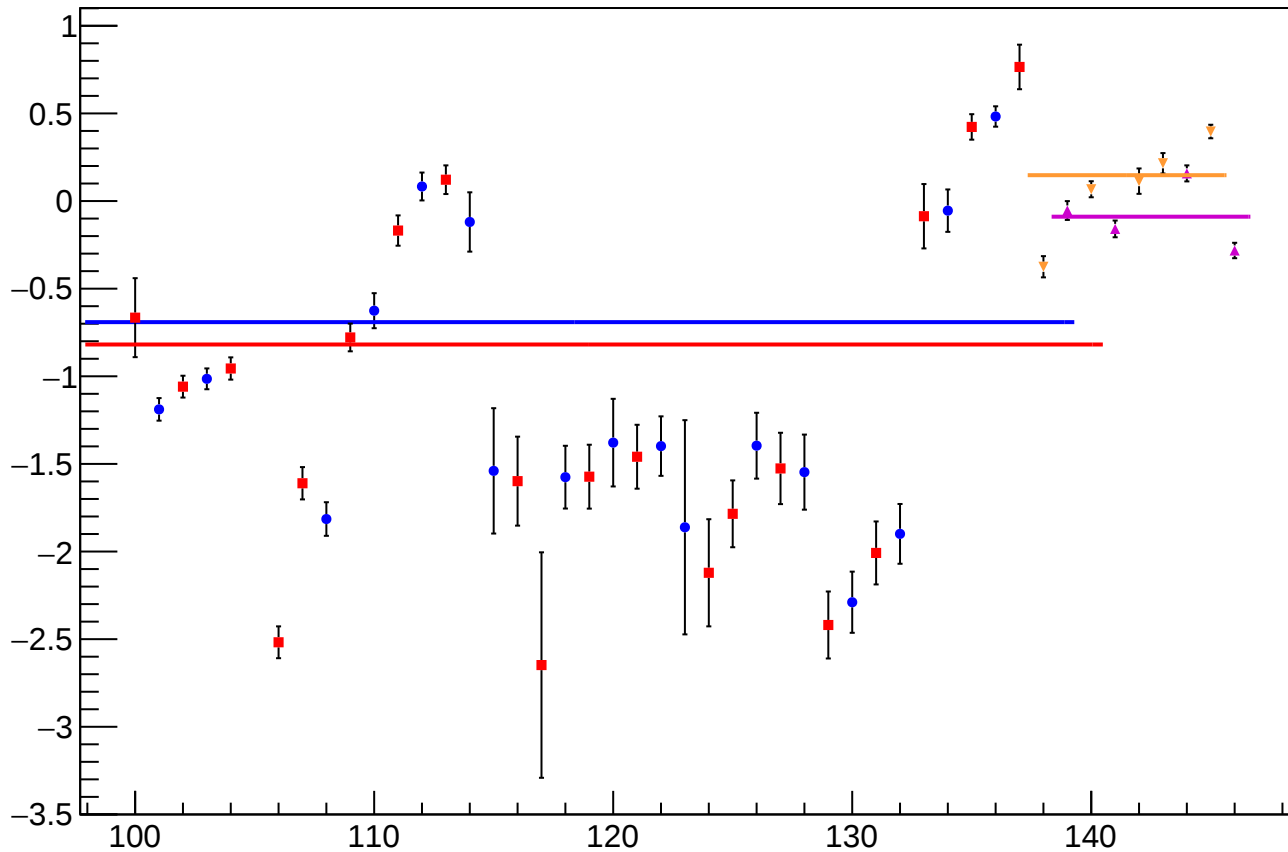
Right Out: 107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

Left In: 113.892 $\pm$ 0.477 χ^2 /NDF: 399.8/3

113.611 $\pm$ 0.347 χ^2 /NDF: 6615.8/21

110.681 $\pm$ 0.341 χ^2 /NDF: 7552.3/23

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: 0.148 ± 0.023 χ^2/NDF : 120.7/4

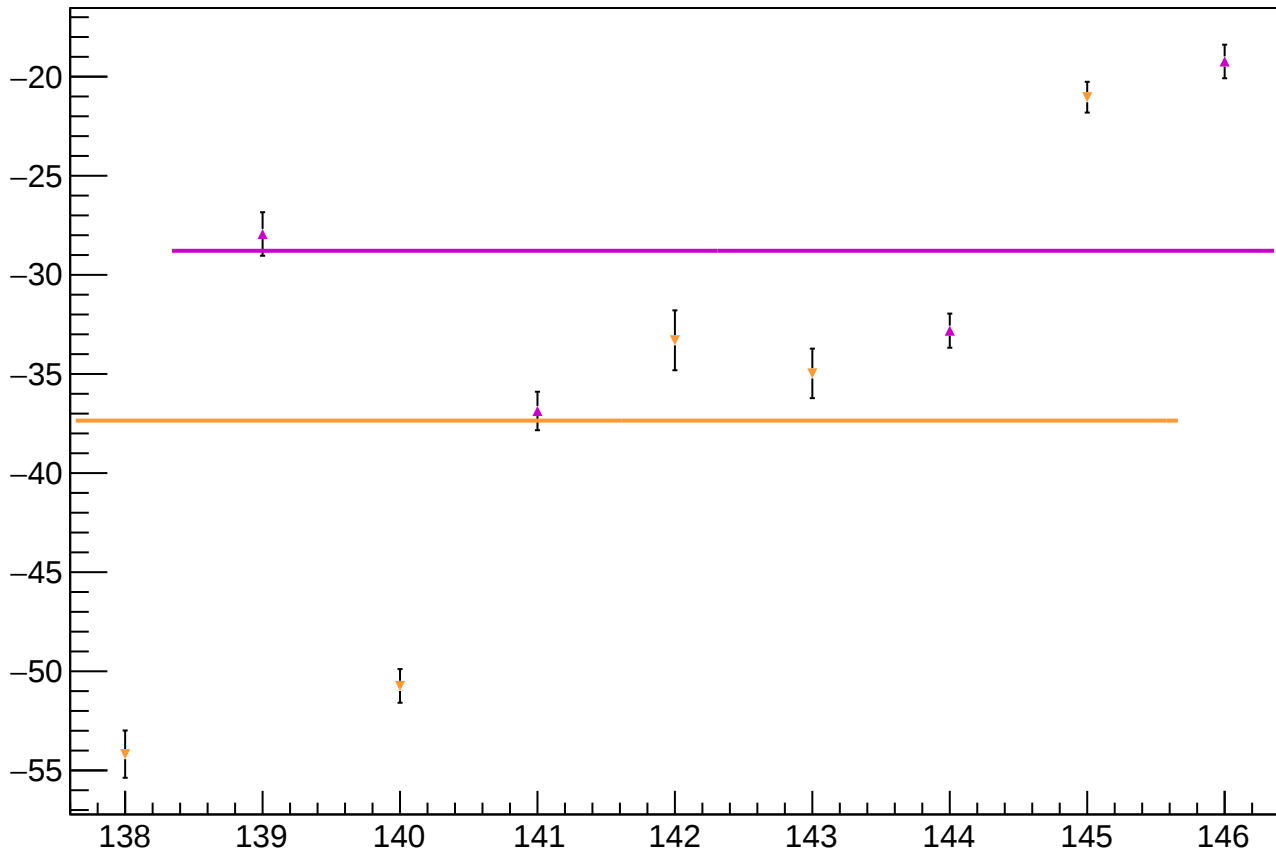
Right Out: -0.819 ± 0.024 χ^2/NDF : 1312.5/19

Left In: -0.089 ± 0.024 χ^2/NDF : 50.9/3

-0.222 ± 0.017 χ^2/NDF : 1701.8/21

-0.444 ± 0.017 χ^2/NDF : 1824.1/23

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -37.352+/-0.455 χ^2/NDF : 898.8/4

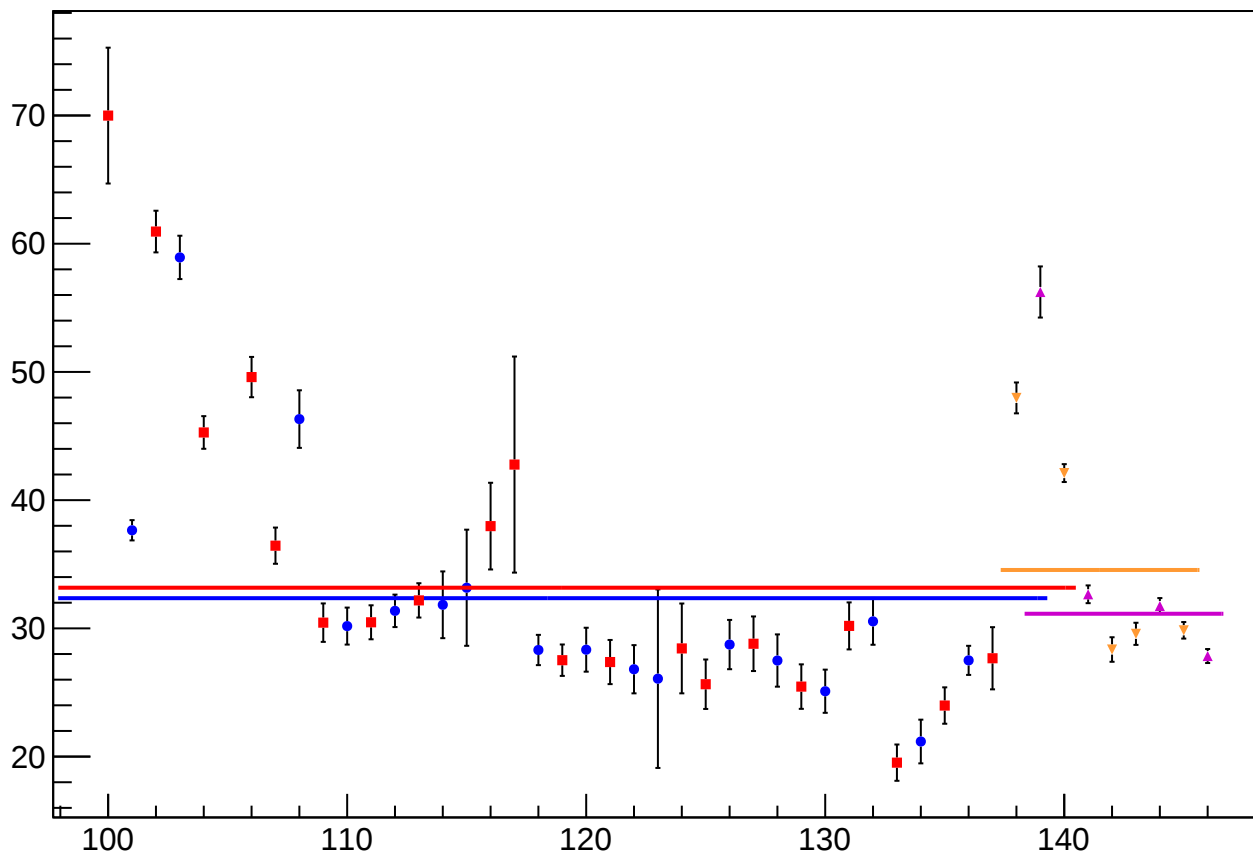
-37.352+/-0.455 χ^2/NDF : 898.8/4

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

-28.786+/-0.465 χ^2/NDF : 218.9/3

Left In: -28.786+/-0.465 χ^2/NDF : 218.9/3

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355+/-0.375 χ^2 /NDF: 450.5/16

Left Out: 34.555+/-0.363 χ^2 /NDF:370.2/4

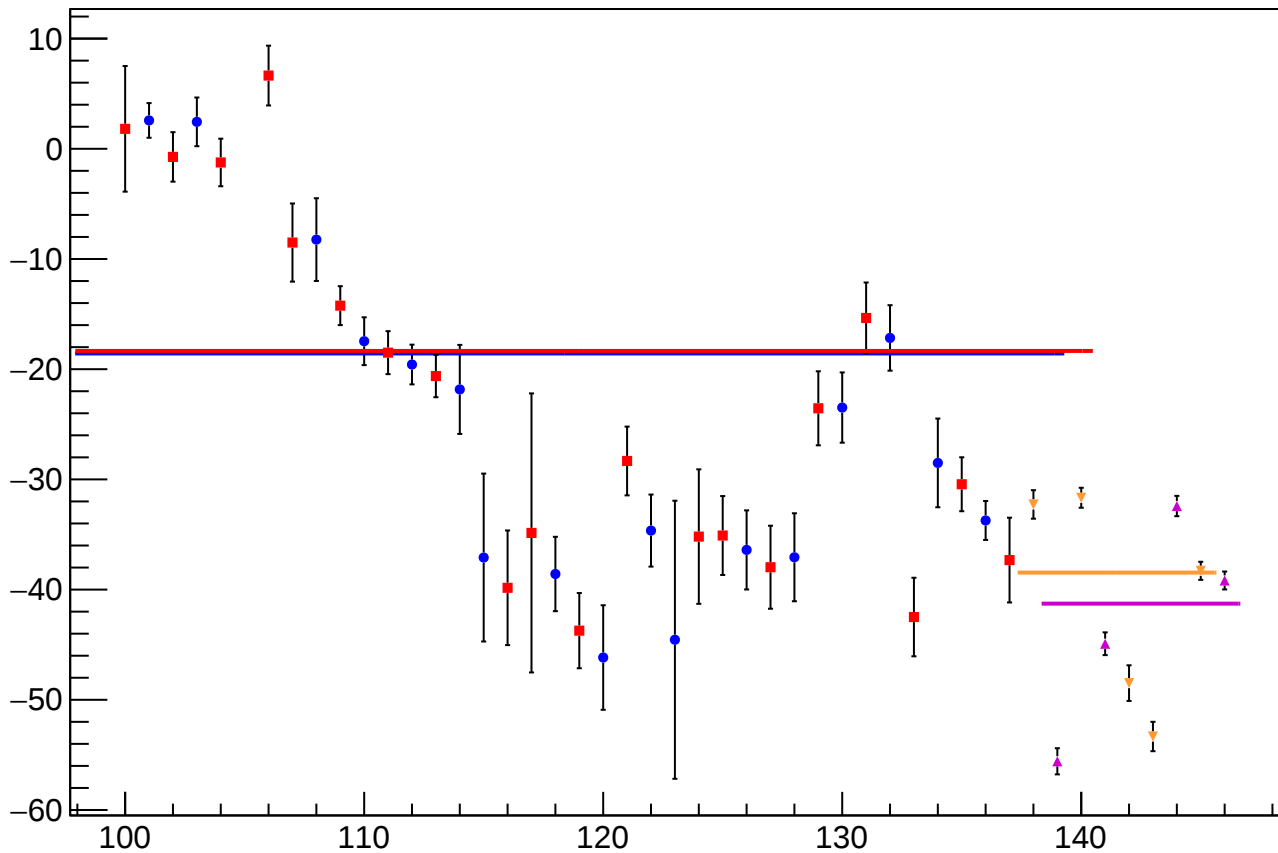
Right Out: 33.172+/-0.378 χ^2 /NDF: 773.3/19

Left In: 31.141+/-0.347 χ^2 /NDF:200.6/3

33.492+/-0.261 χ^2 /NDF: 838.4/21

32.068+/-0.256 χ^2 /NDF: 989.5/23

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 $\chi^2/\text{NDF}: 511.5/16$

Left Out: -38.456 ± 0.485 $\chi^2/\text{NDF}: 242.1/4$

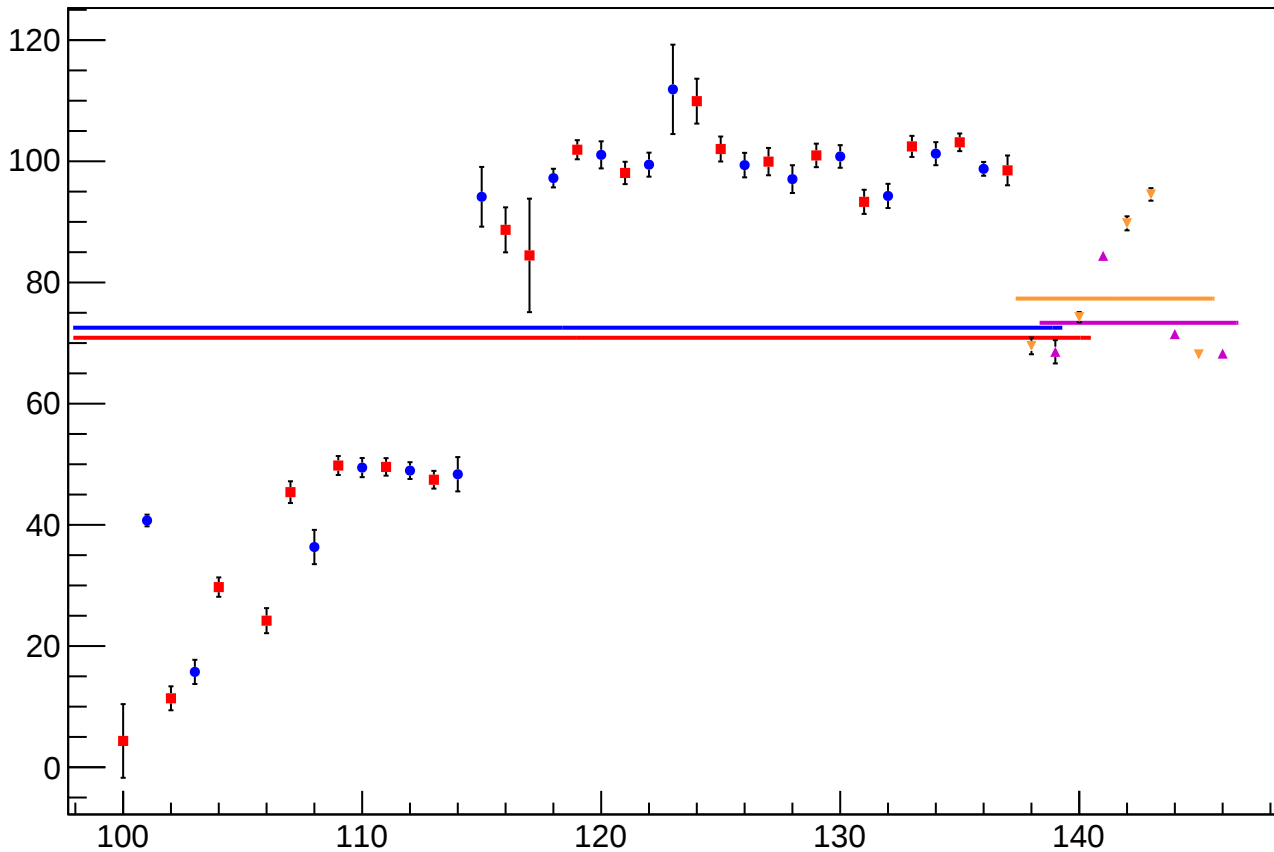
Right Out: -18.343 ± 0.643 $\chi^2/\text{NDF}: 475.1/19$

Left In: -41.275 ± 0.481 $\chi^2/\text{NDF}: 256.6/3$

-31.584 ± 0.392 $\chi^2/\text{NDF}: 1334.4/21$

-33.057 ± 0.385 $\chi^2/\text{NDF}: 1547.8/23$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537+/-0.428 χ^2/NDF : 4684.1/16

Left Out: 77.343+/-0.428 χ^2/NDF : 591.4/4

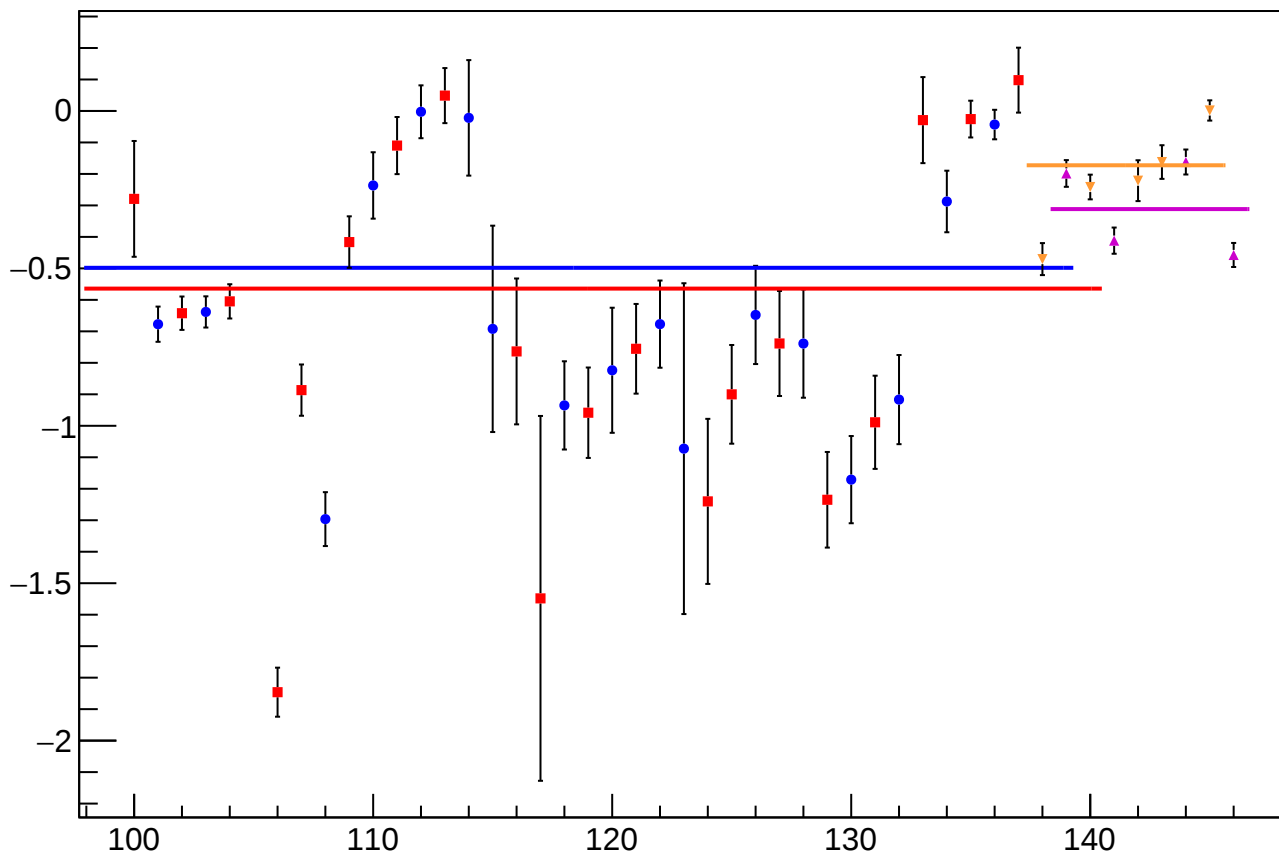
Right Out: 70.878+/-0.433 χ^2/NDF : 5502.3/19

Left In: 73.349+/-0.416 χ^2/NDF : 245.4/3

74.939+/-0.303 χ^2/NDF : 5338.4/21

72.162+/-0.300 χ^2/NDF : 5764.7/23

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.173 ± 0.020 χ^2/NDF : 67.4/4

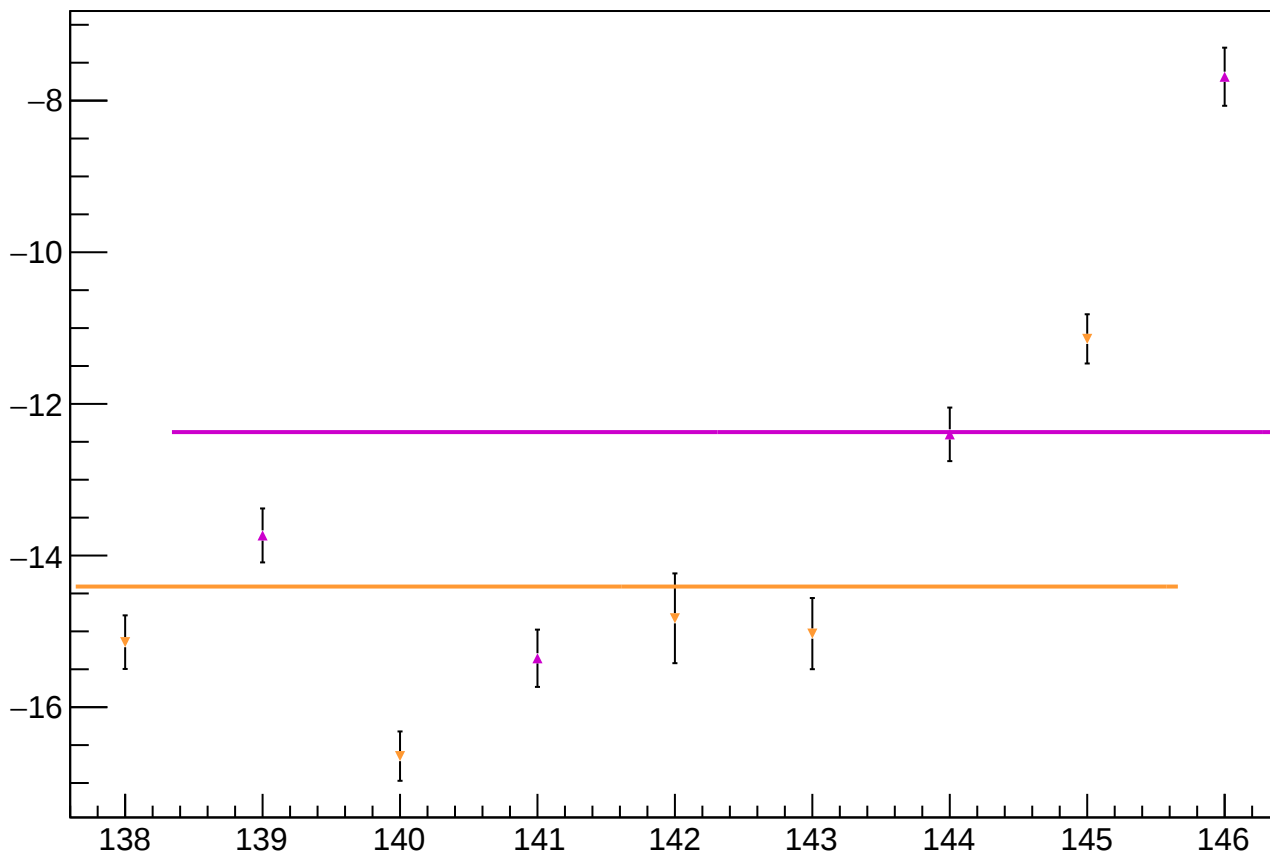
Right Out: -0.564 ± 0.021 χ^2/NDF : 563.6/19

Left In: -0.312 ± 0.020 χ^2/NDF : 41.7/3

-0.315 ± 0.015 χ^2/NDF : 490.0/21

-0.430 ± 0.015 χ^2/NDF : 679.0/23

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -14.409 ± 0.171 $\chi^2/\text{NDF}: 155.0/4$

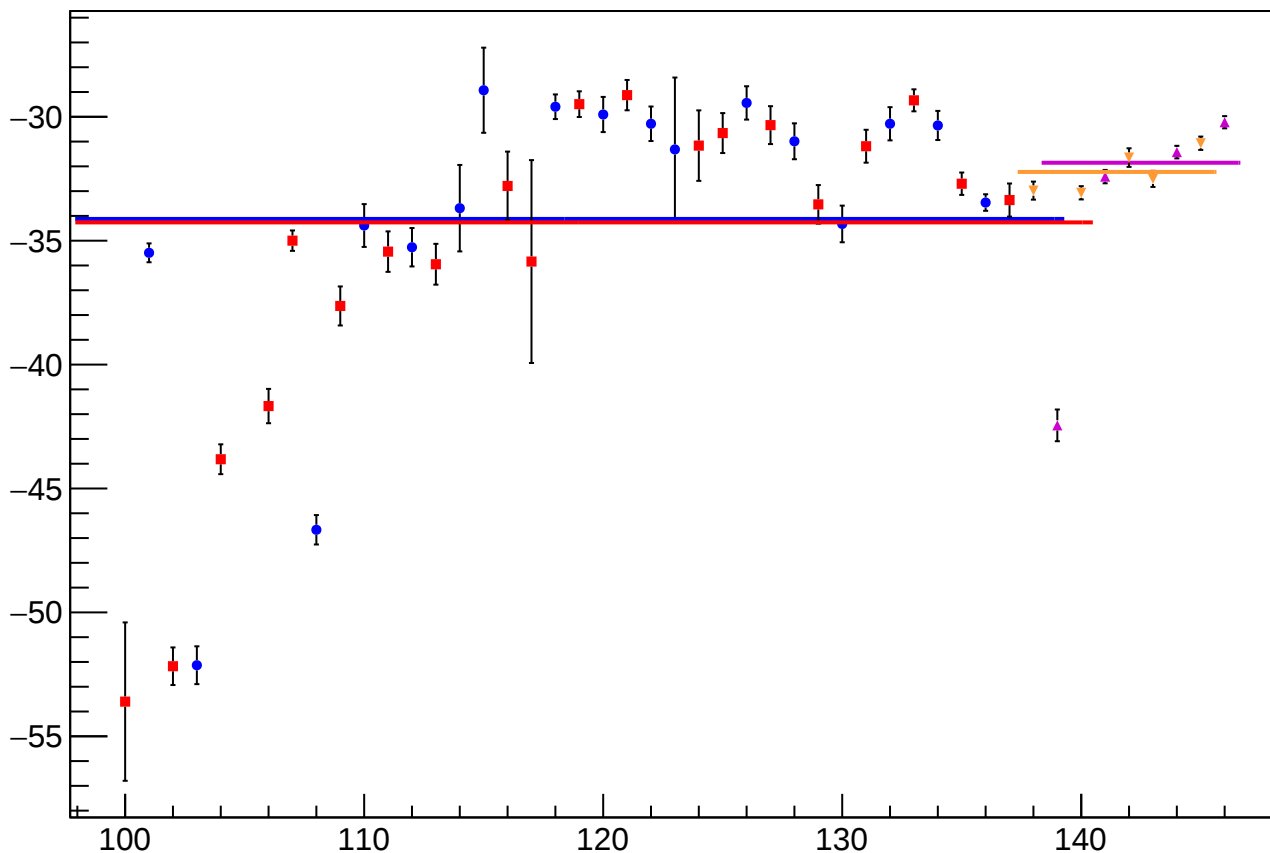
-14.409 ± 0.171 $\chi^2/\text{NDF}: 155.0/4$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

-12.372 ± 0.183 $\chi^2/\text{NDF}: 226.5/3$

Left In: -12.372 ± 0.183 $\chi^2/\text{NDF}: 226.5/3$

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: -32.225 ± 0.139 $\chi^2/\text{NDF}: 35.8/4$

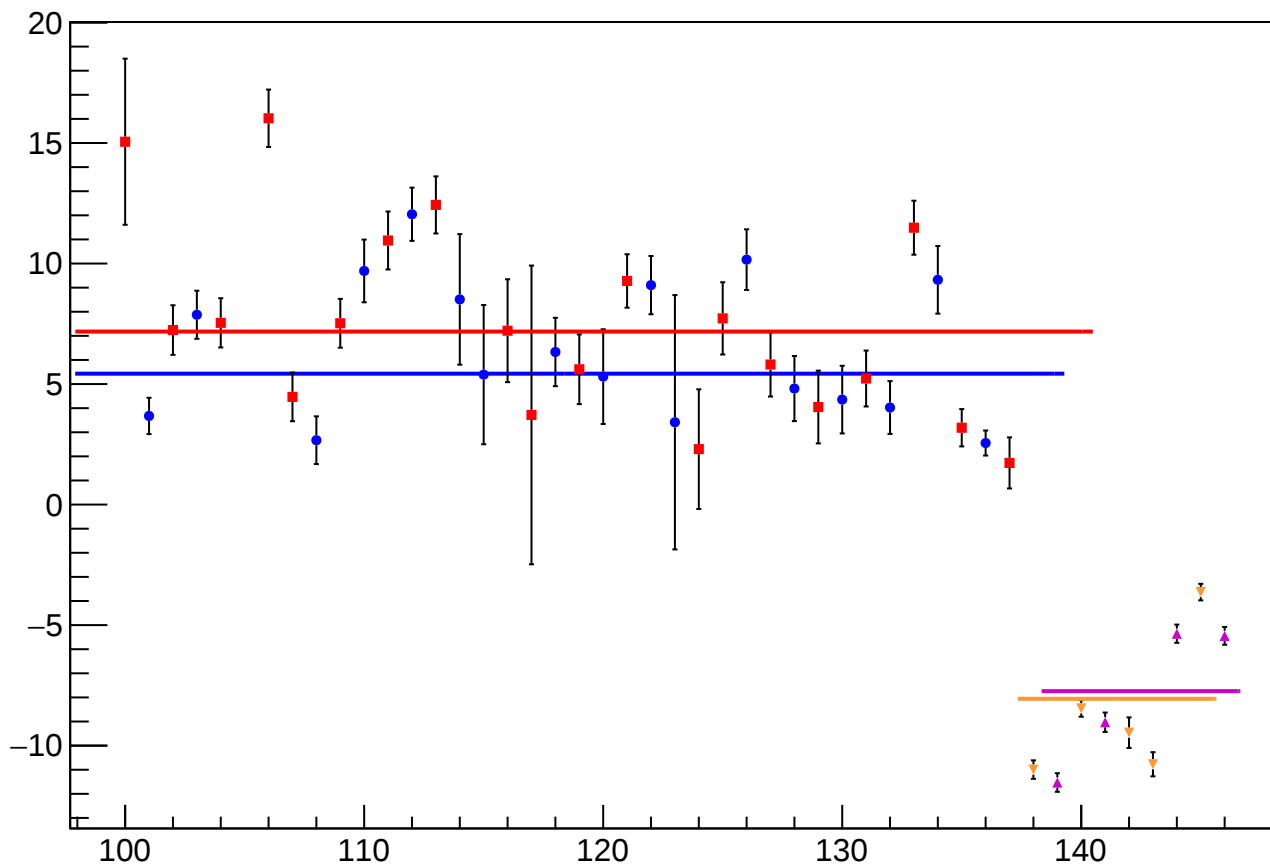
Right Out: -34.262 ± 0.151 $\chi^2/\text{NDF}: 1355.1/19$

Left In: -31.854 ± 0.144 $\chi^2/\text{NDF}: 325.2/3$

-33.089 ± 0.102 $\chi^2/\text{NDF}: 1443.3/21$

-33.005 ± 0.104 $\chi^2/\text{NDF}: 1813.5/23$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 $\pm$ 0.270 χ^2 /NDF: 132.0/16

Left Out: -8.057 $\pm$ 0.182 χ^2 /NDF:260.8/4

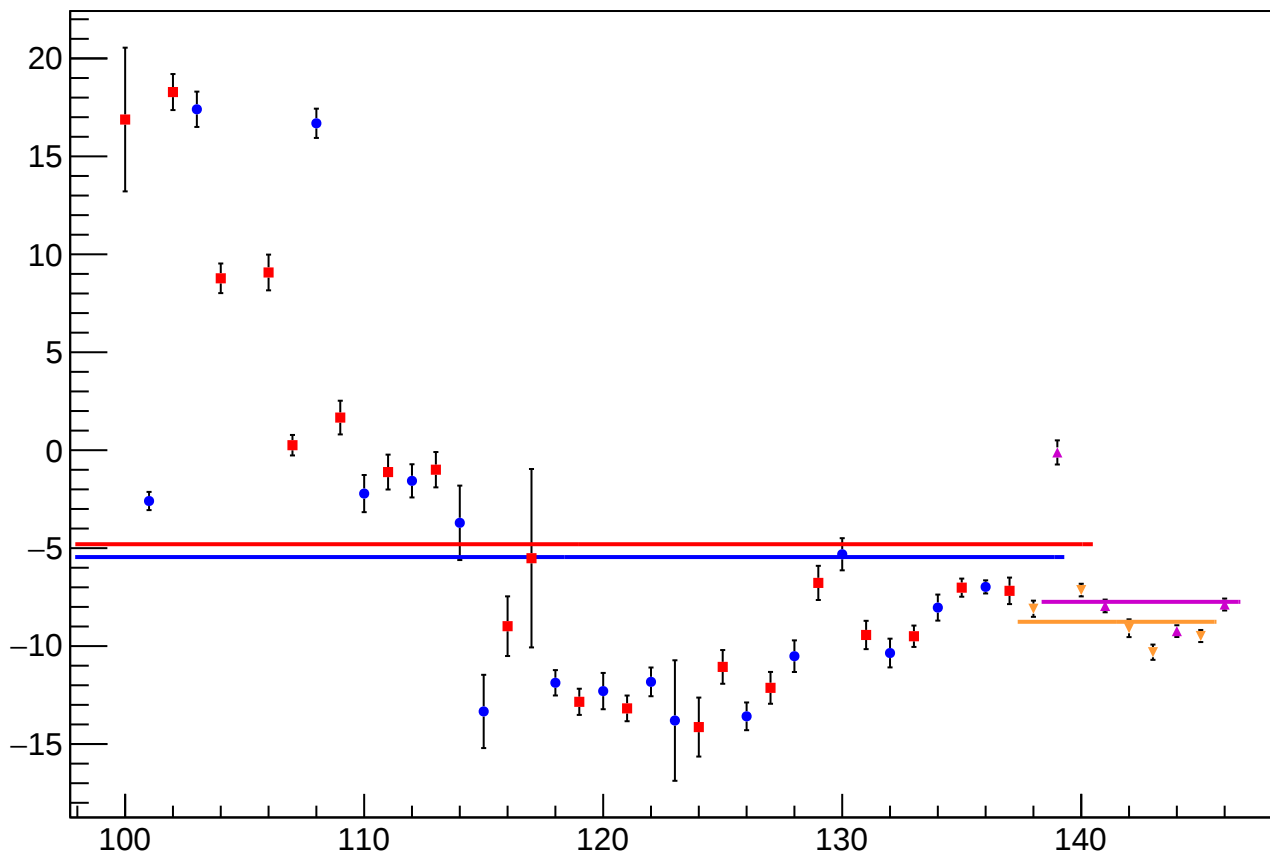
Right Out: 7.178 $\pm$ 0.274 χ^2 /NDF: 182.4/19

Left In: -7.739 $\pm$ 0.191 χ^2 /NDF:185.5/3

-3.843 $\pm$ 0.151 χ^2 /NDF: 2103.7/21

-2.851 $\pm$ 0.157 χ^2 /NDF: 2358.1/23

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: -8.760+/-0.163 χ^2/NDF : 49.7/4

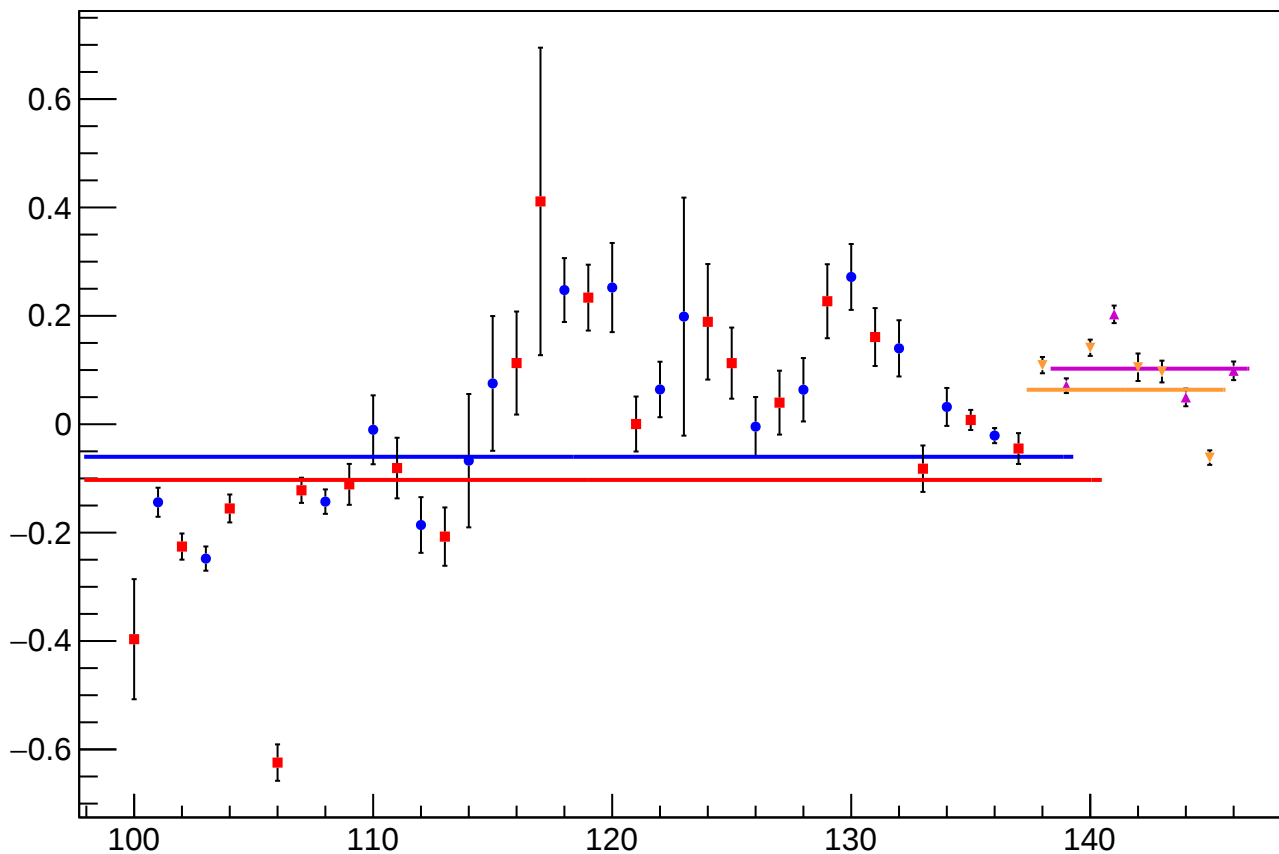
Right Out: -4.799+/-0.173 χ^2/NDF : 2047.5/19

Left In: -7.741+/-0.171 χ^2/NDF : 178.6/3

-7.180+/-0.118 χ^2/NDF : 2341.6/21

-6.282+/-0.122 χ^2/NDF : 2372.2/23

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: 0.064 ± 0.007 χ^2/NDF : 127.9/4

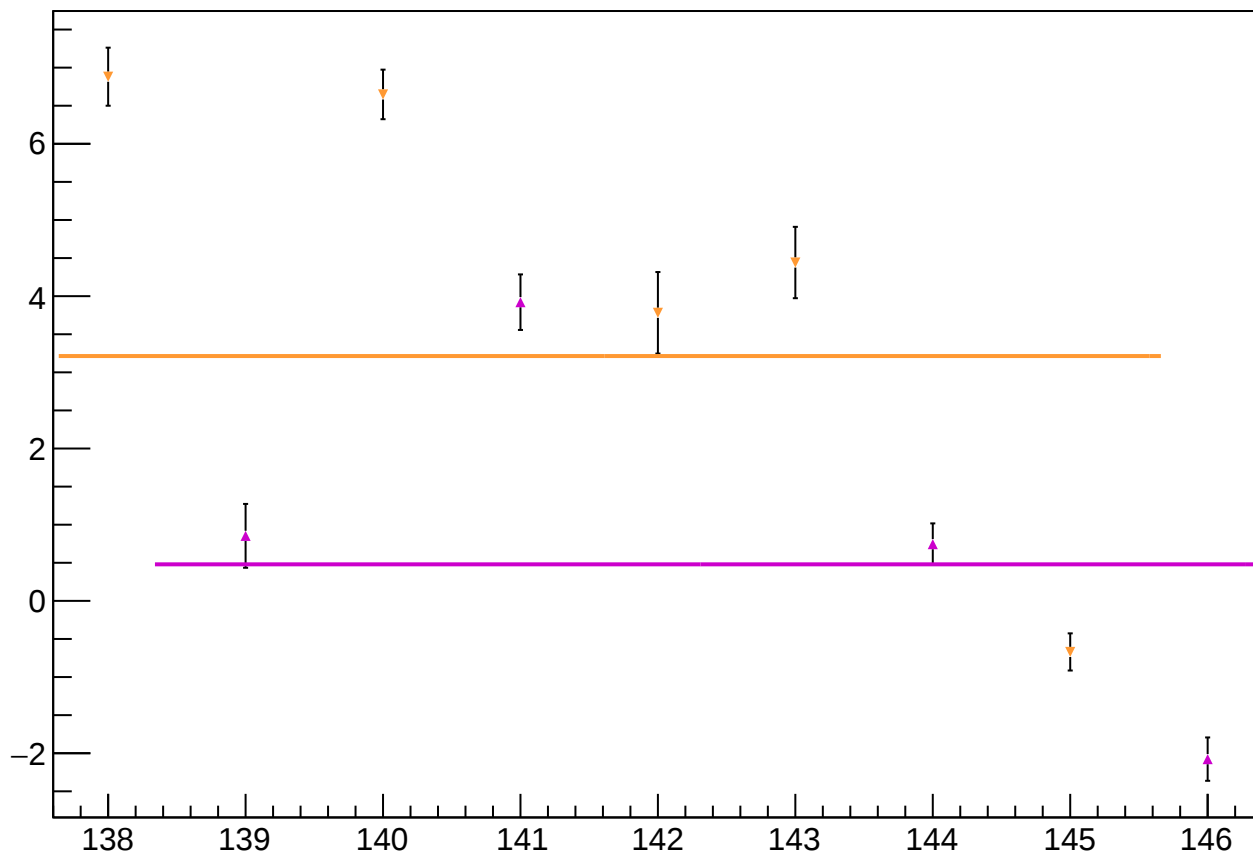
Right Out: -0.103 ± 0.008 χ^2/NDF : 437.6/19

Left In: 0.103 ± 0.008 χ^2/NDF : 54.3/3

0.010 ± 0.006 χ^2/NDF : 465.9/21

0.008 ± 0.006 χ^2/NDF : 810.5/23

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug

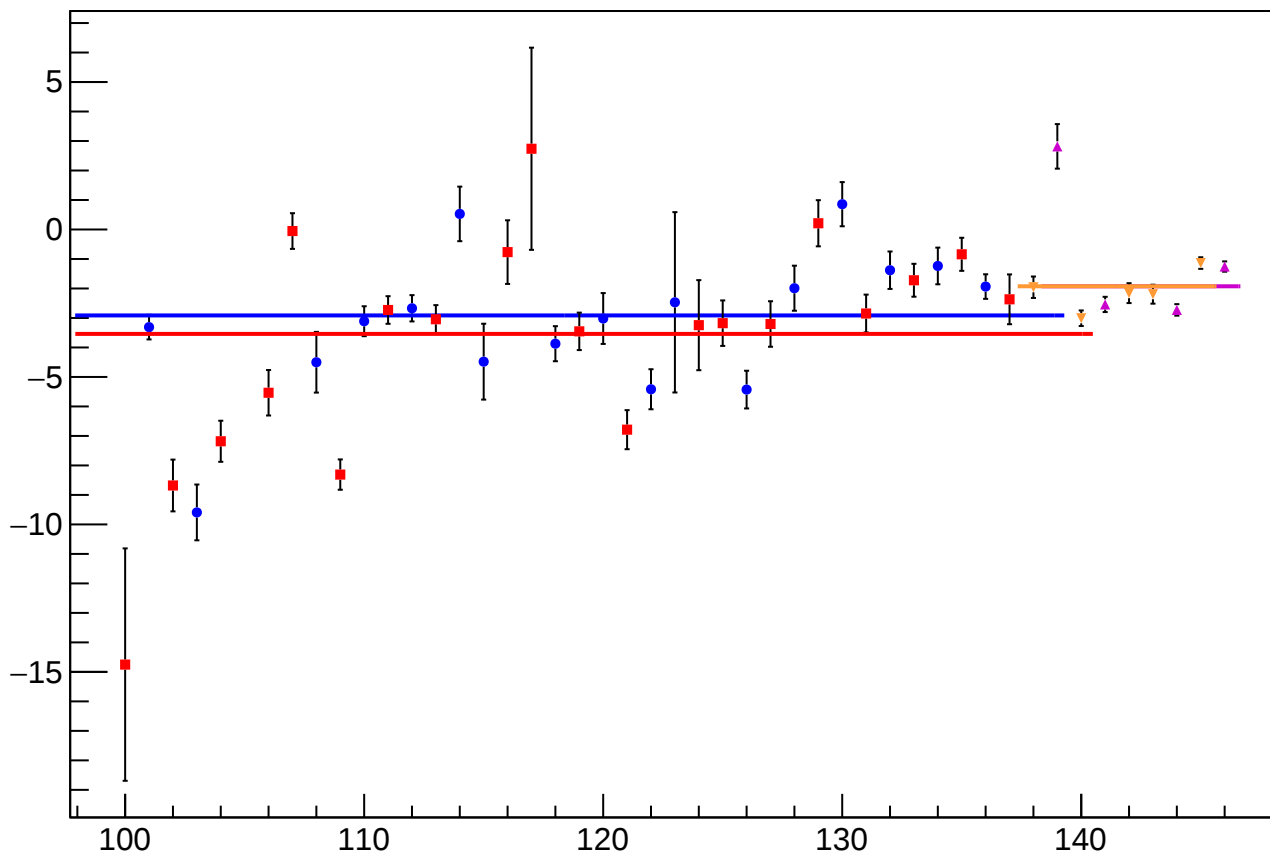


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.214 $\pm$ 0.156 χ^2 /NDF:465.8/4
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.480 $\pm$ 0.160 χ^2 /NDF:171.6/3

3.214 $\pm$ 0.156 χ^2 /NDF: 465.8/4

0.480 $\pm$ 0.160 χ^2 /NDF: 171.6/3

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: -1.925 ± 0.123 χ^2/NDF : 34.1/4

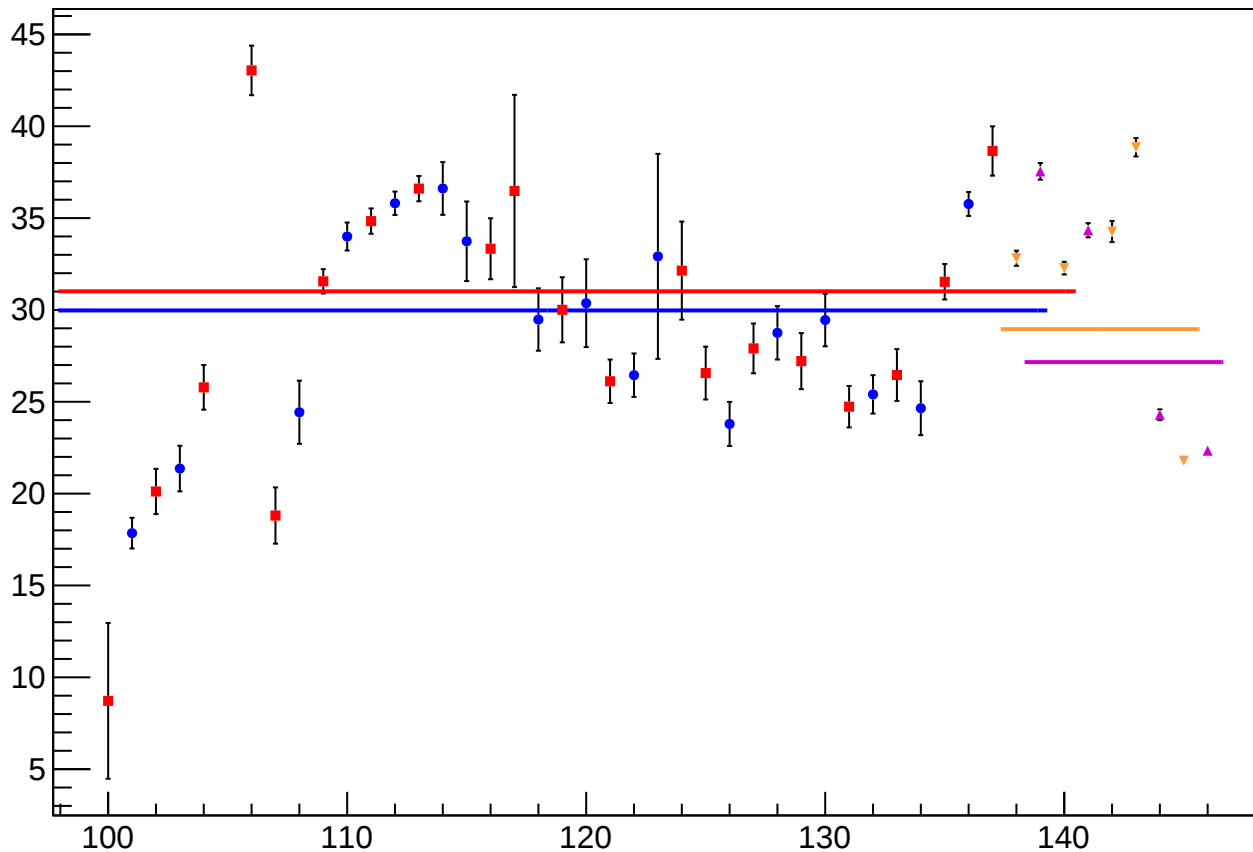
Right Out: -3.540 ± 0.154 χ^2/NDF : 294.2/19

Left In: -1.926 ± 0.115 χ^2/NDF : 76.7/3

-2.307 ± 0.096 χ^2/NDF : 205.2/21

-2.500 ± 0.092 χ^2/NDF : 441.3/23

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 $\pm$ 0.267 χ^2/NDF : 554.3/16

Left Out: 28.954 $\pm$ 0.166 χ^2/NDF : 1417.8/4

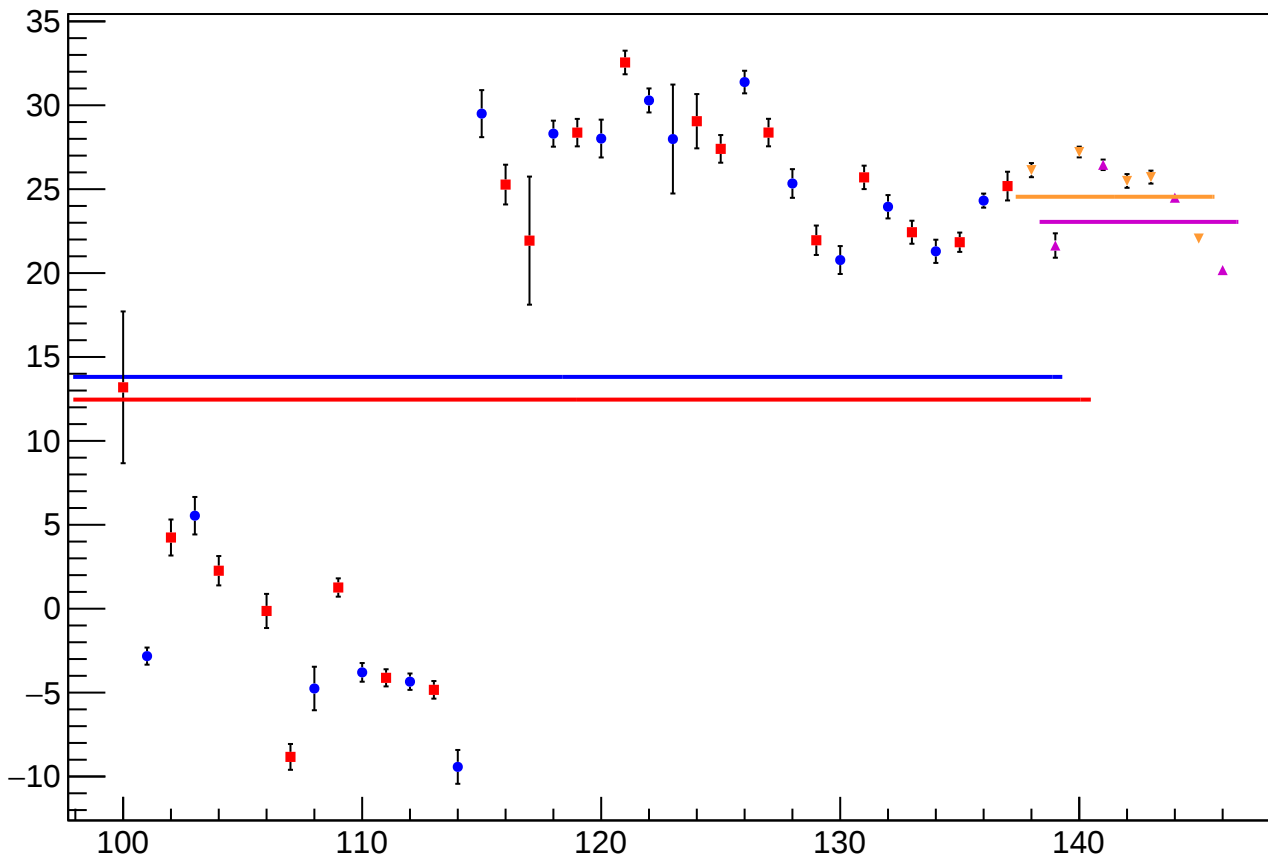
Right Out: 31.013 $\pm$ 0.260 χ^2/NDF : 480.6/19

Left In: 27.159 $\pm$ 0.165 χ^2/NDF : 1275.1/3

29.238 $\pm$ 0.141 χ^2/NDF : 1982.6/21

28.269 $\pm$ 0.139 χ^2/NDF : 1912.3/23

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: 24.548 $\pm$ 0.145 χ^2/NDF : 219.0/4

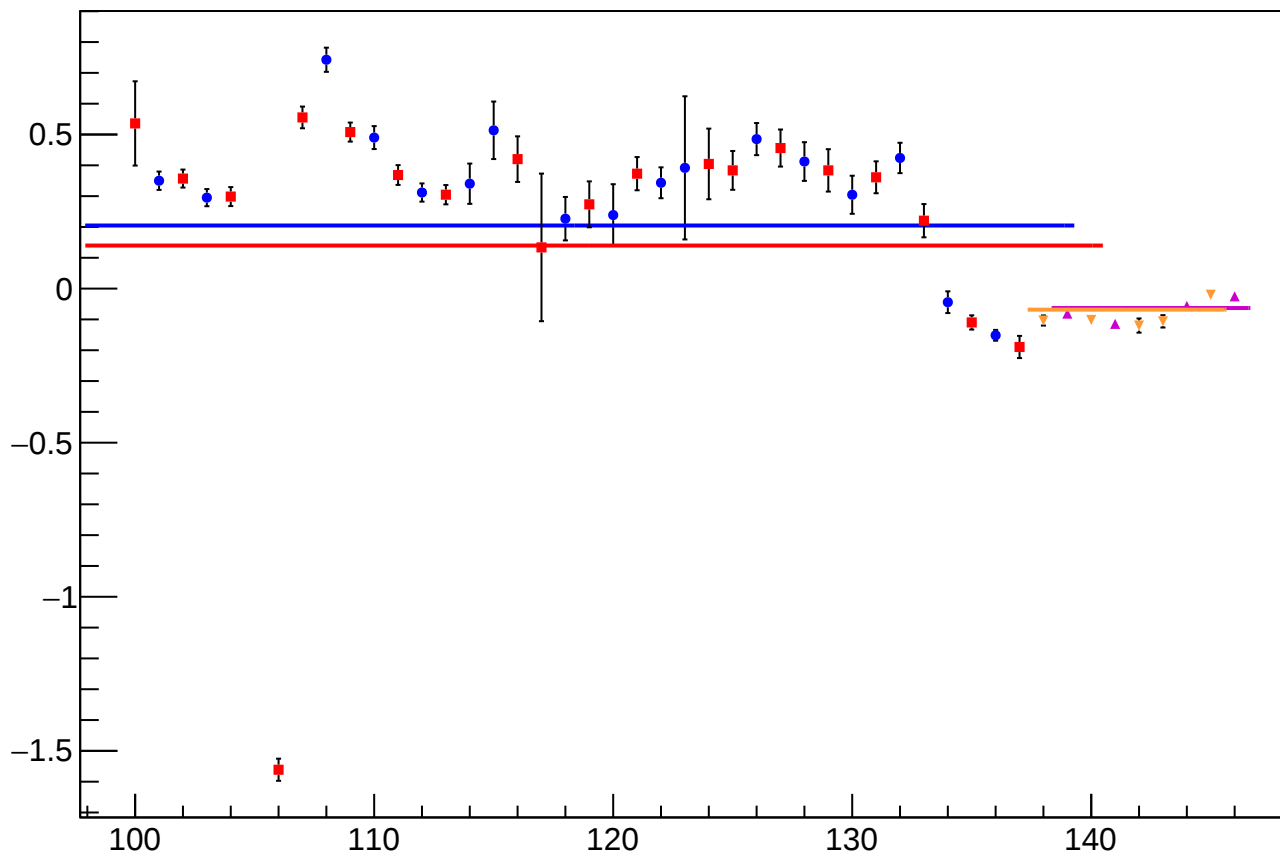
Right Out: 12.460 $\pm$ 0.174 χ^2/NDF : 6976.5/19

Left In: 23.051 $\pm$ 0.139 χ^2/NDF : 332.1/3

20.108 $\pm$ 0.111 χ^2/NDF : 9804.0/21

18.903 $\pm$ 0.109 χ^2/NDF : 9574.2/23

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: -0.068 ± 0.007 χ^2/NDF : 40.8/4

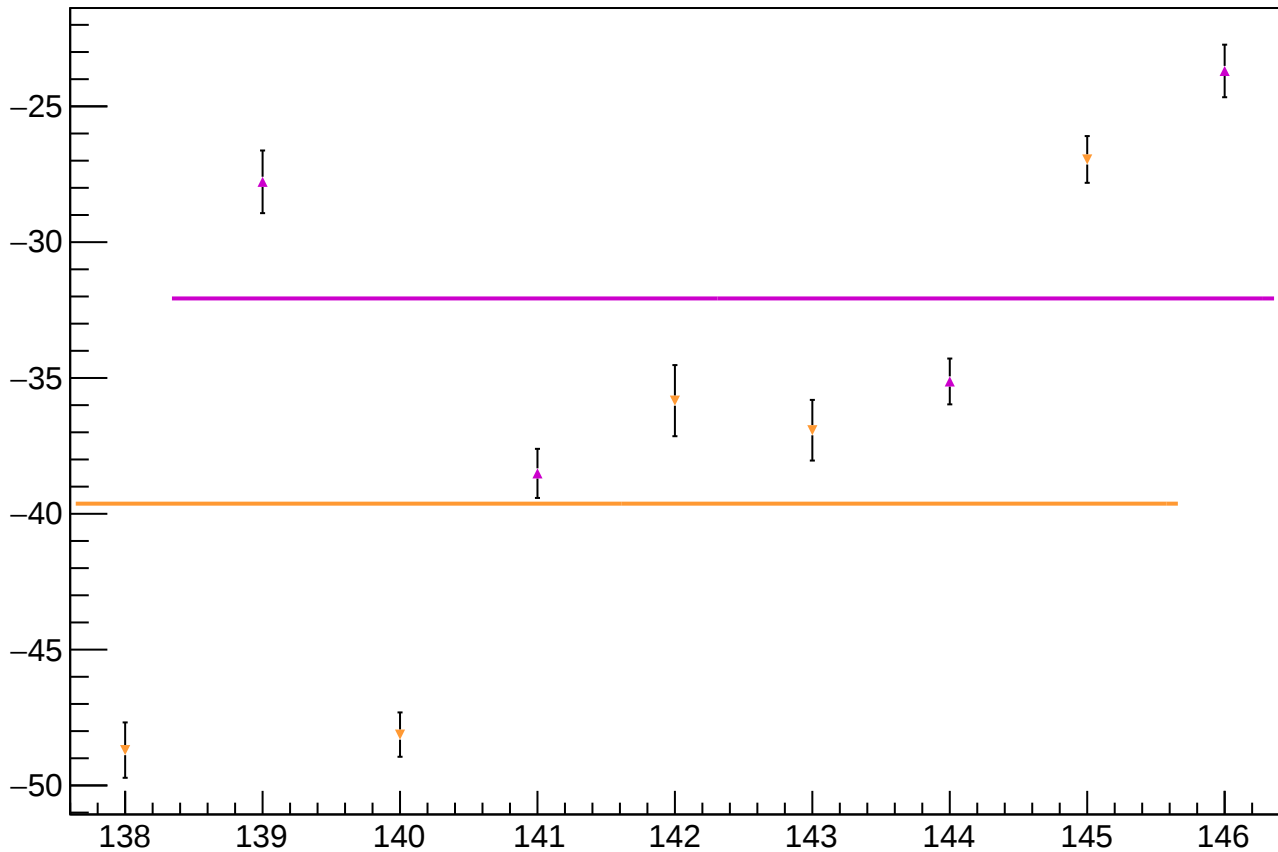
Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/19

Left In: -0.063 ± 0.007 χ^2/NDF : 21.3/3

0.024 ± 0.005 χ^2/NDF : 1446.8/21

0.011 ± 0.006 χ^2/NDF : 3343.5/23

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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

Left Out: -39.626+/-0.439 χ^2/NDF : 418.7/4

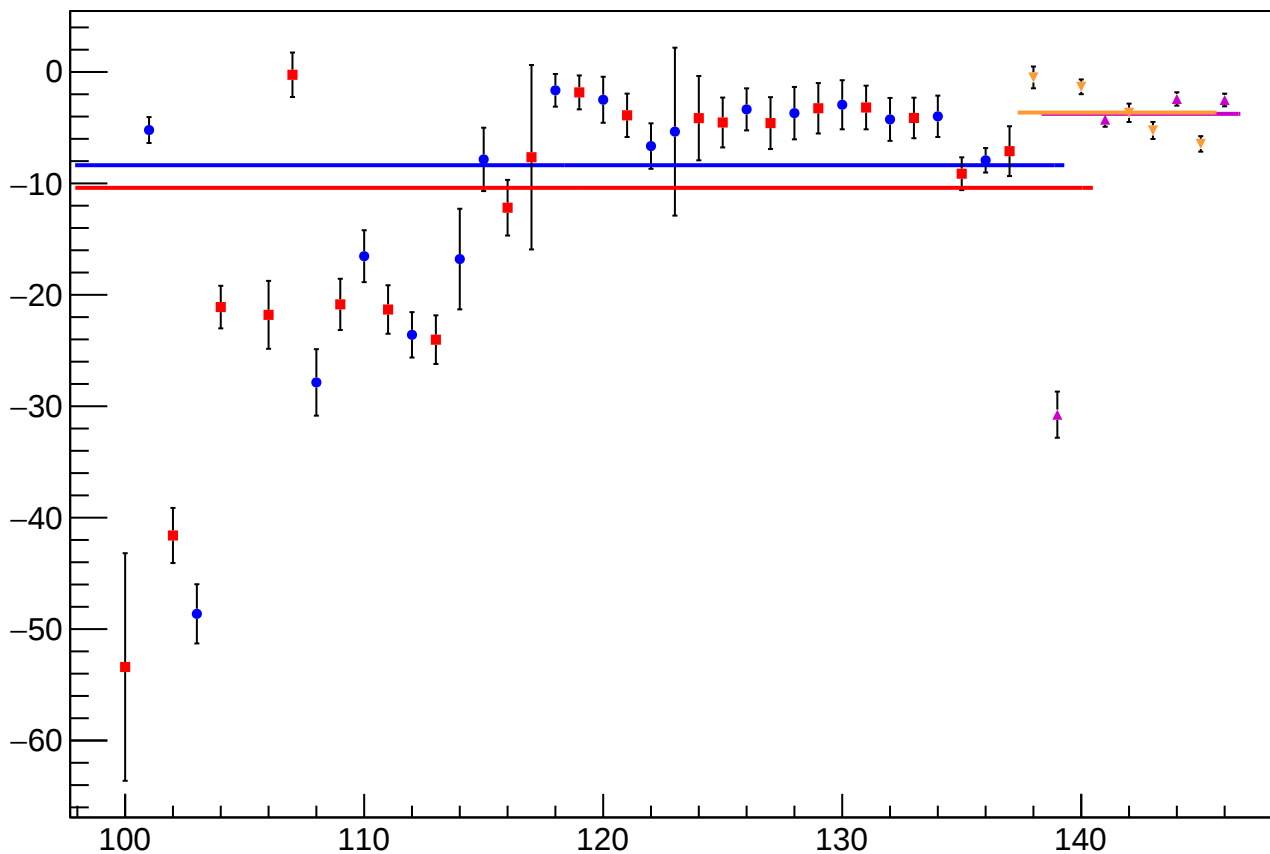
-39.626+/-0.439 χ^2/NDF : 418.7/4

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

-32.072+/-0.474 χ^2/NDF : 152.7/3

Left In: -32.072+/-0.474 χ^2/NDF : 152.7/3

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: -3.642 ± 0.341 $\chi^2/\text{NDF}: 43.4/4$

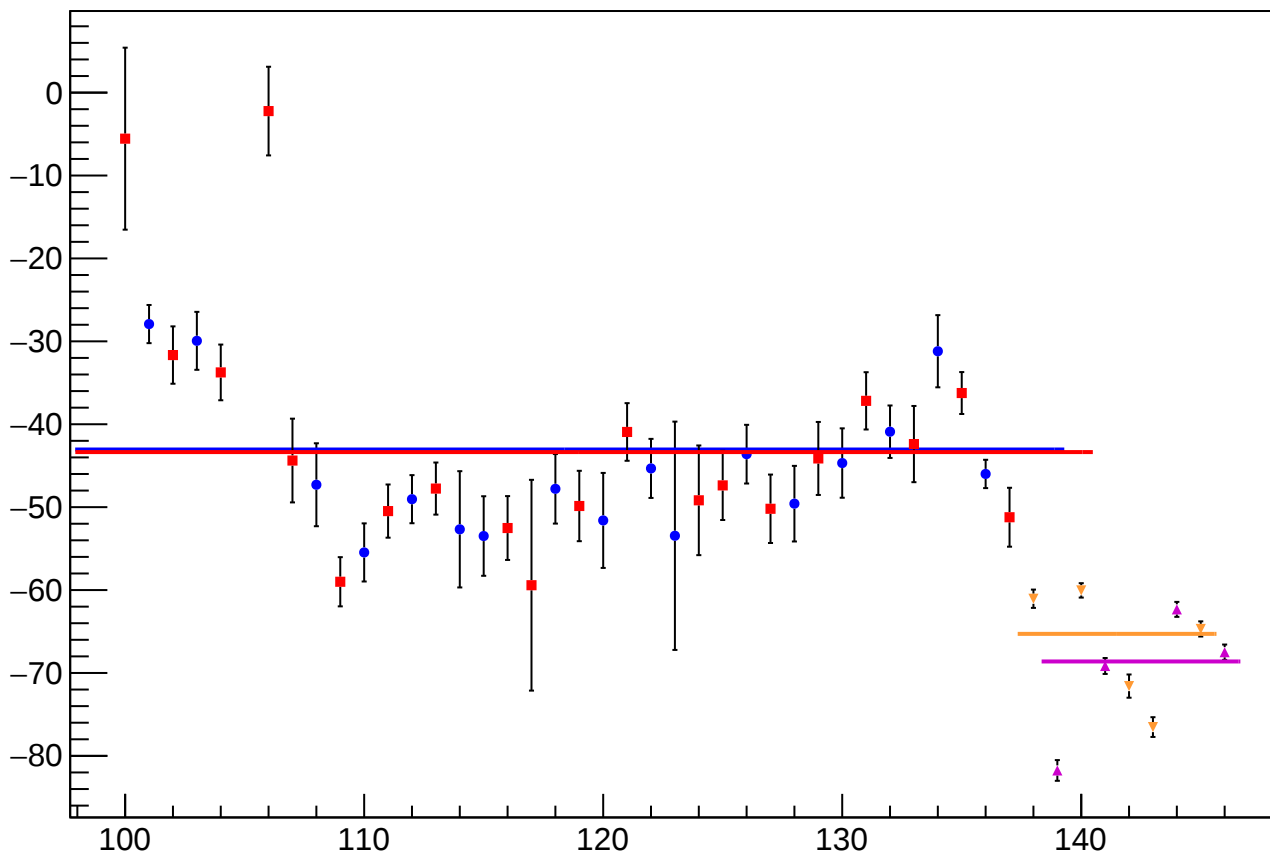
Right Out: -10.396 ± 0.490 $\chi^2/\text{NDF}: 430.4/19$

Left In: -3.757 ± 0.342 $\chi^2/\text{NDF}: 180.4/3$

-5.293 ± 0.275 $\chi^2/\text{NDF}: 519.1/21$

-5.931 ± 0.281 $\chi^2/\text{NDF}: 734.2/23$

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: -65.284 ± 0.469 $\chi^2/\text{NDF}: 160.8/4$

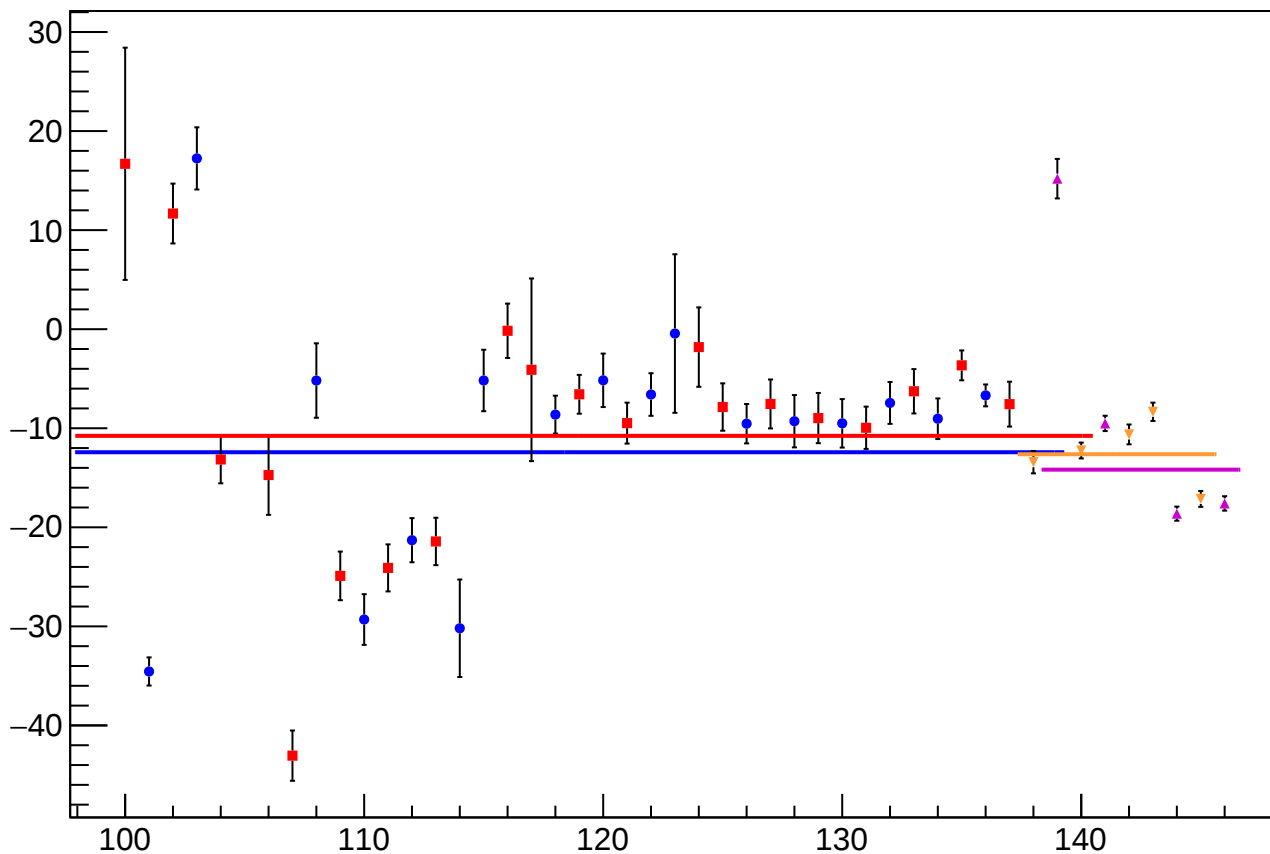
Right Out: -43.357 ± 0.865 $\chi^2/\text{NDF}: 156.0/19$

Left In: -68.613 ± 0.493 $\chi^2/\text{NDF}: 161.0/3$

-59.978 ± 0.409 $\chi^2/\text{NDF}: 796.8/21$

-62.425 ± 0.428 $\chi^2/\text{NDF}: 960.4/23$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 $\pm$ 0.523 χ^2 /NDF: 474.4/16

Left Out: -12.625 $\pm$ 0.406 χ^2 /NDF: 57.8/4

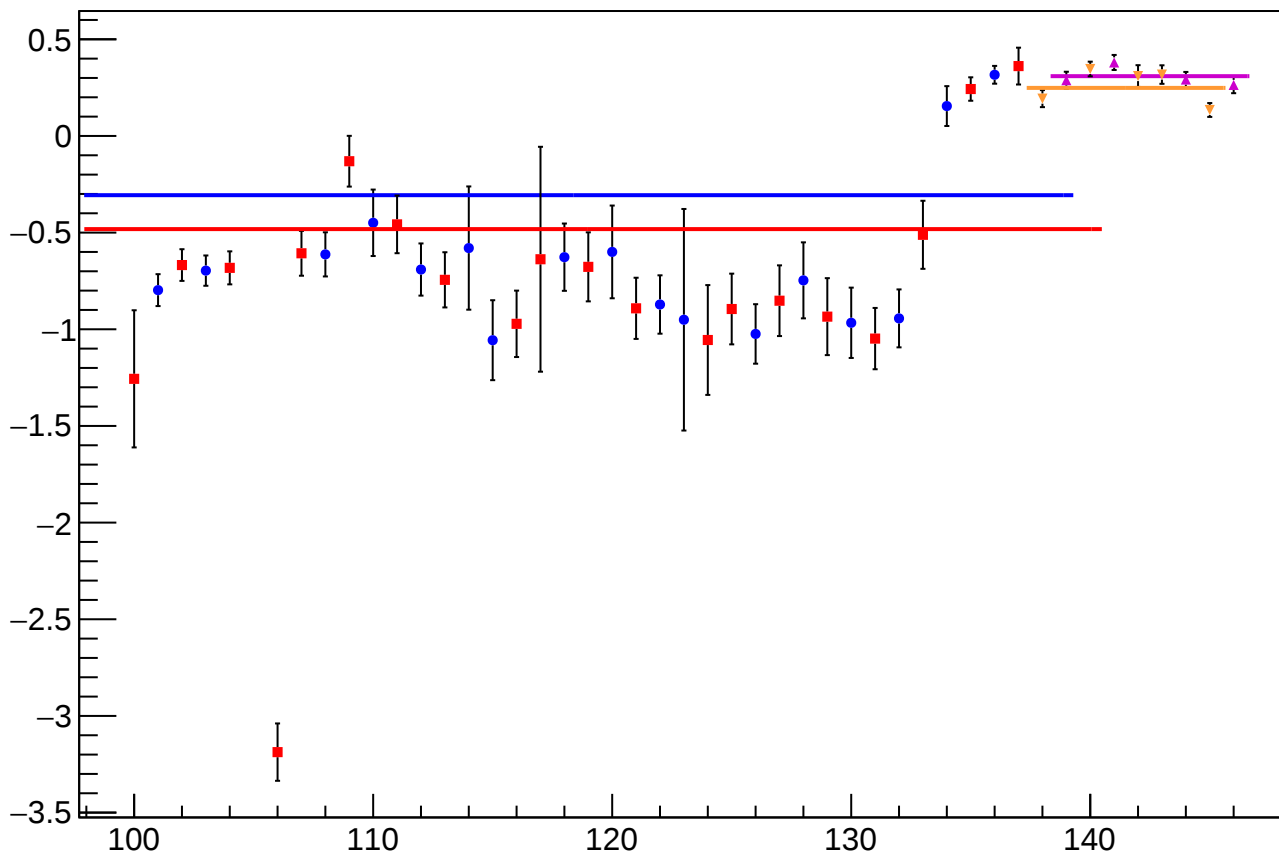
Right Out: -10.766 $\pm$ 0.553 χ^2 /NDF: 366.3/19

Left In: -14.180 $\pm$ 0.416 χ^2 /NDF: 314.6/3

-12.548 $\pm$ 0.321 χ^2 /NDF: 532.3/21

-12.947 $\pm$ 0.332 χ^2 /NDF: 705.3/23

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: 0.249 ± 0.019 χ^2/NDF : 21.6/4

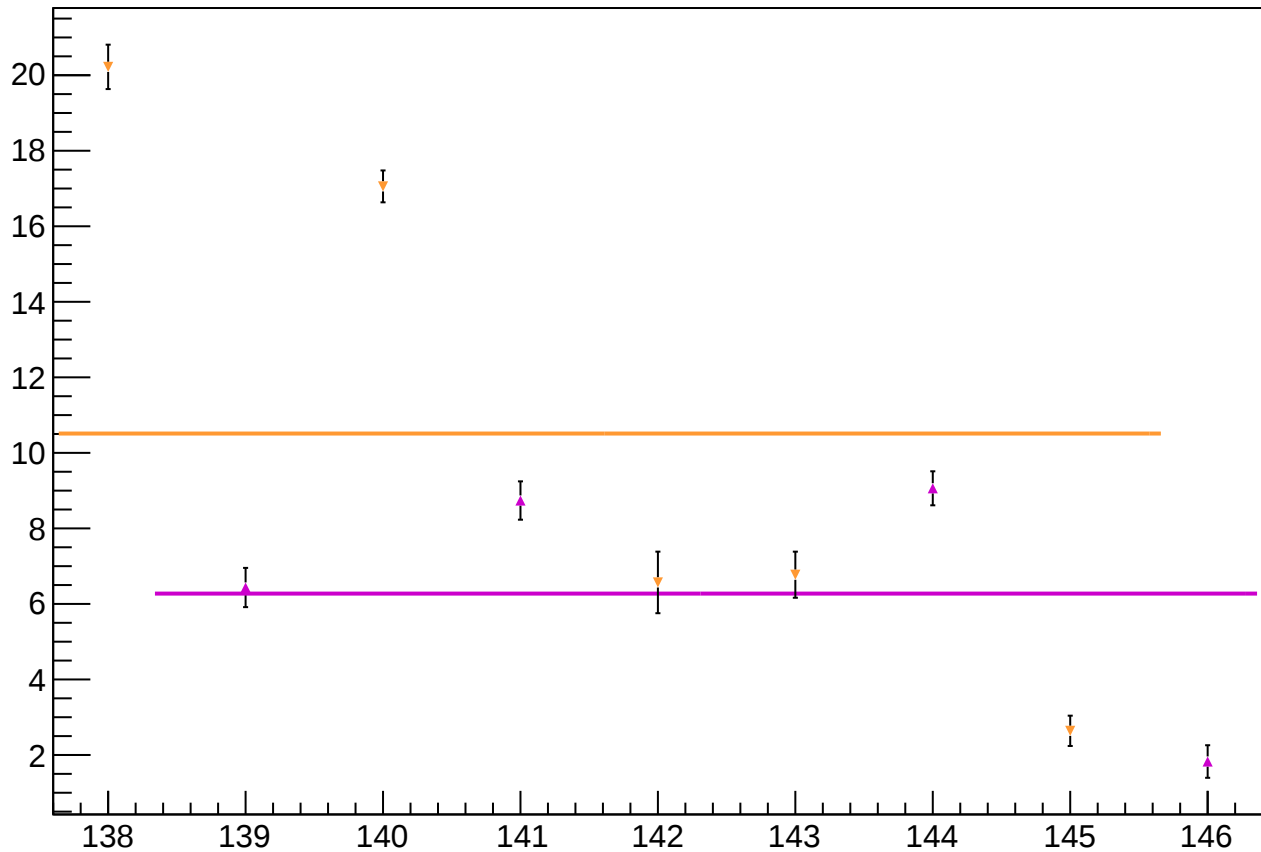
Right Out: -0.482 ± 0.029 χ^2/NDF : 628.3/19

Left In: 0.309 ± 0.021 χ^2/NDF : 4.9/3

0.069 ± 0.016 χ^2/NDF : 667.1/21

0.040 ± 0.017 χ^2/NDF : 1138.8/23

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug

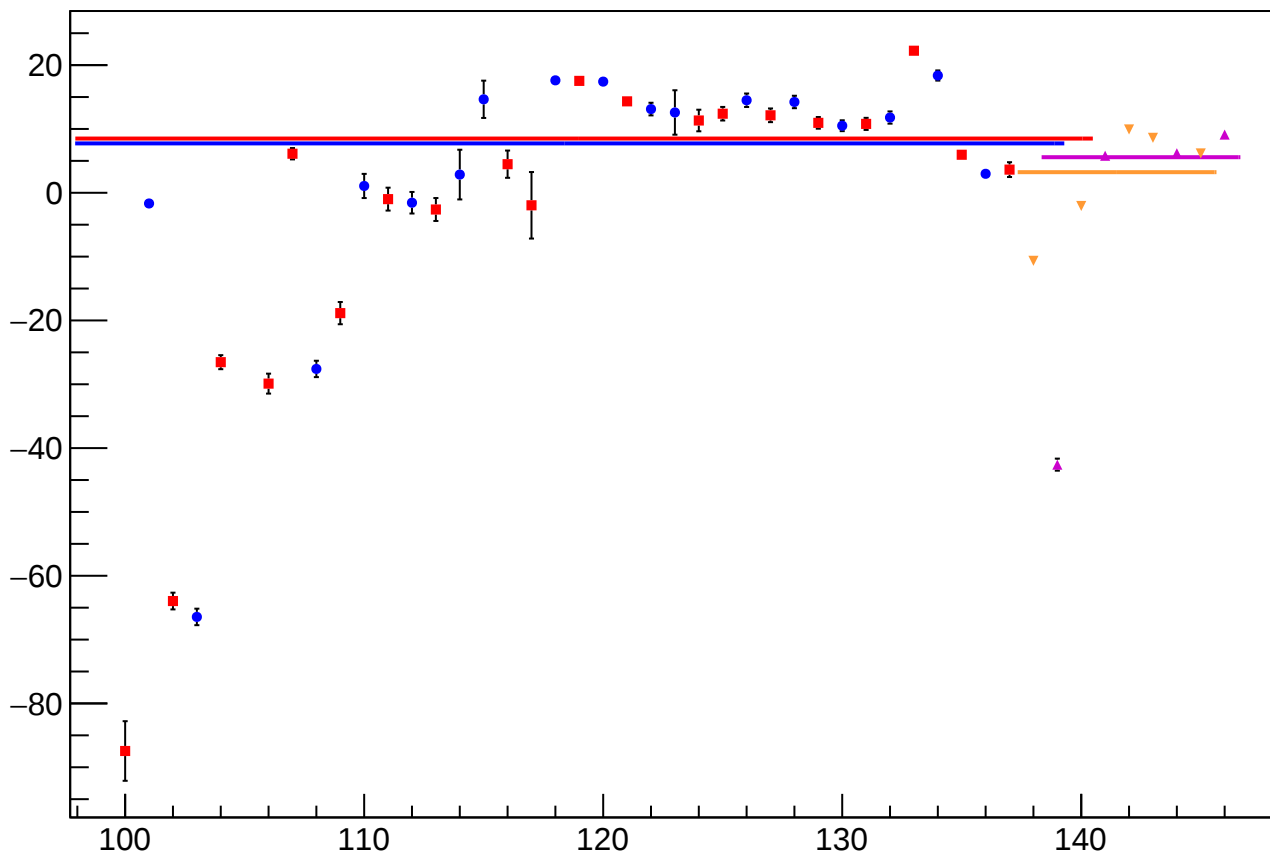


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 10.512+/-0.230 χ^2/NDF : 959.0/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 6.274+/-0.236 χ^2/NDF : 168.3/3

10.512+/-0.230 χ^2/NDF : 959.0/4

6.274+/-0.236 χ^2/NDF : 168.3/3

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 $\chi^2/\text{NDF}: 5300.6/16$

Left Out: 3.229 ± 0.184 $\chi^2/\text{NDF}: 1181.1/4$

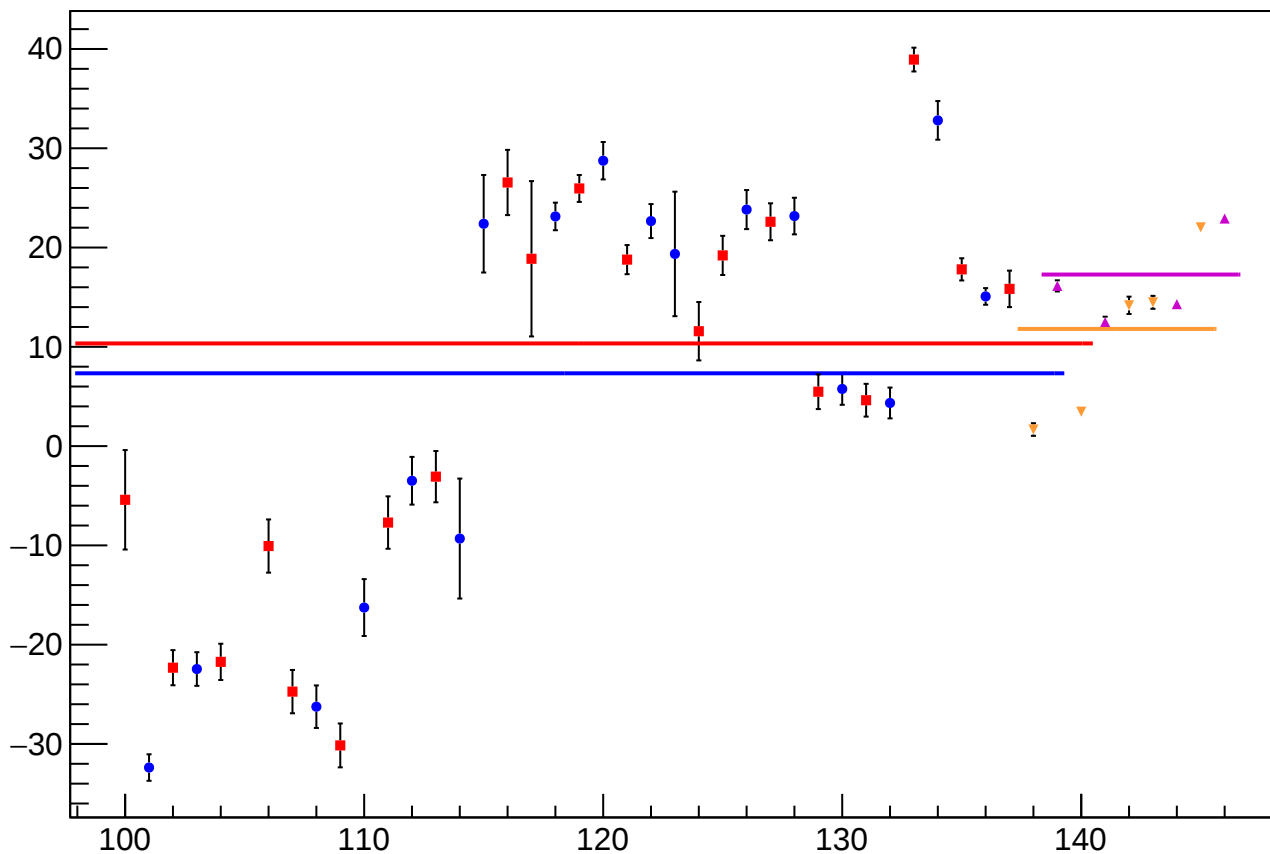
Right Out: 8.496 ± 0.213 $\chi^2/\text{NDF}: 6723.5/19$

Left In: 5.575 ± 0.179 $\chi^2/\text{NDF}: 2767.3/3$

5.103 ± 0.141 $\chi^2/\text{NDF}: 6731.4/21$

6.781 ± 0.137 $\chi^2/\text{NDF}: 9601.2/23$

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: 11.803 $\pm$ 0.245 χ^2 /NDF:1200.9/4

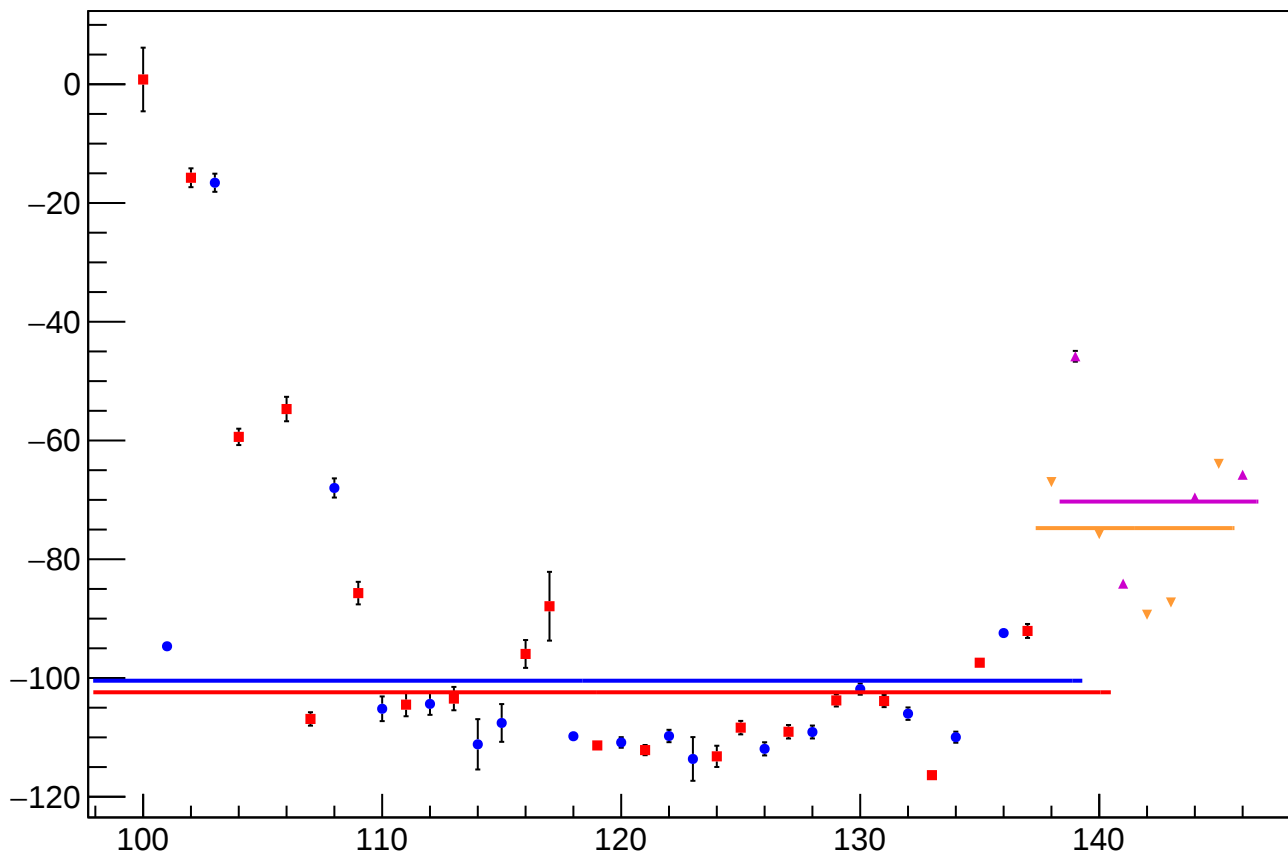
Right Out: 10.342 $\pm$ 0.416 χ^2 /NDF: 2282.7/19

Left In: 17.281 $\pm$ 0.245 χ^2 /NDF:306.3/3

10.660 $\pm$ 0.212 χ^2 /NDF: 3578.9/21

15.501 $\pm$ 0.211 χ^2 /NDF: 2795.6/23

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: -74.755+/-0.217 χ^2/NDF : 2106.8/4

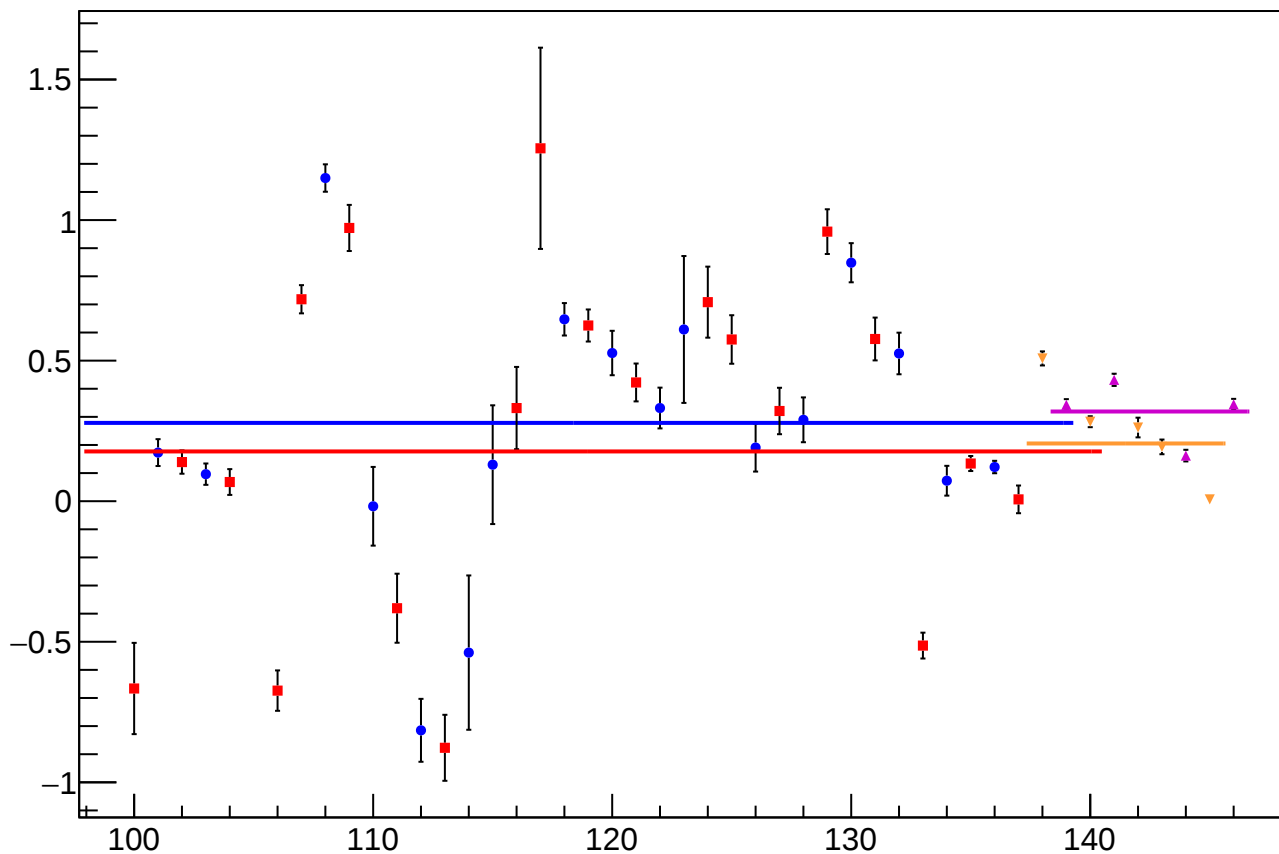
Right Out: -102.405+/-0.246 χ^2/NDF : 6100.6/19

Left In: -70.285+/-0.214 χ^2/NDF : 1904.2/3

-85.770+/-0.164 χ^2/NDF : 12572.1/21

-84.128+/-0.162 χ^2/NDF : 17702.7/23

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 $\pm$ 0.014 χ^2/NDF : 653.9/16

Left Out: 0.205 $\pm$ 0.010 χ^2/NDF : 307.3/4

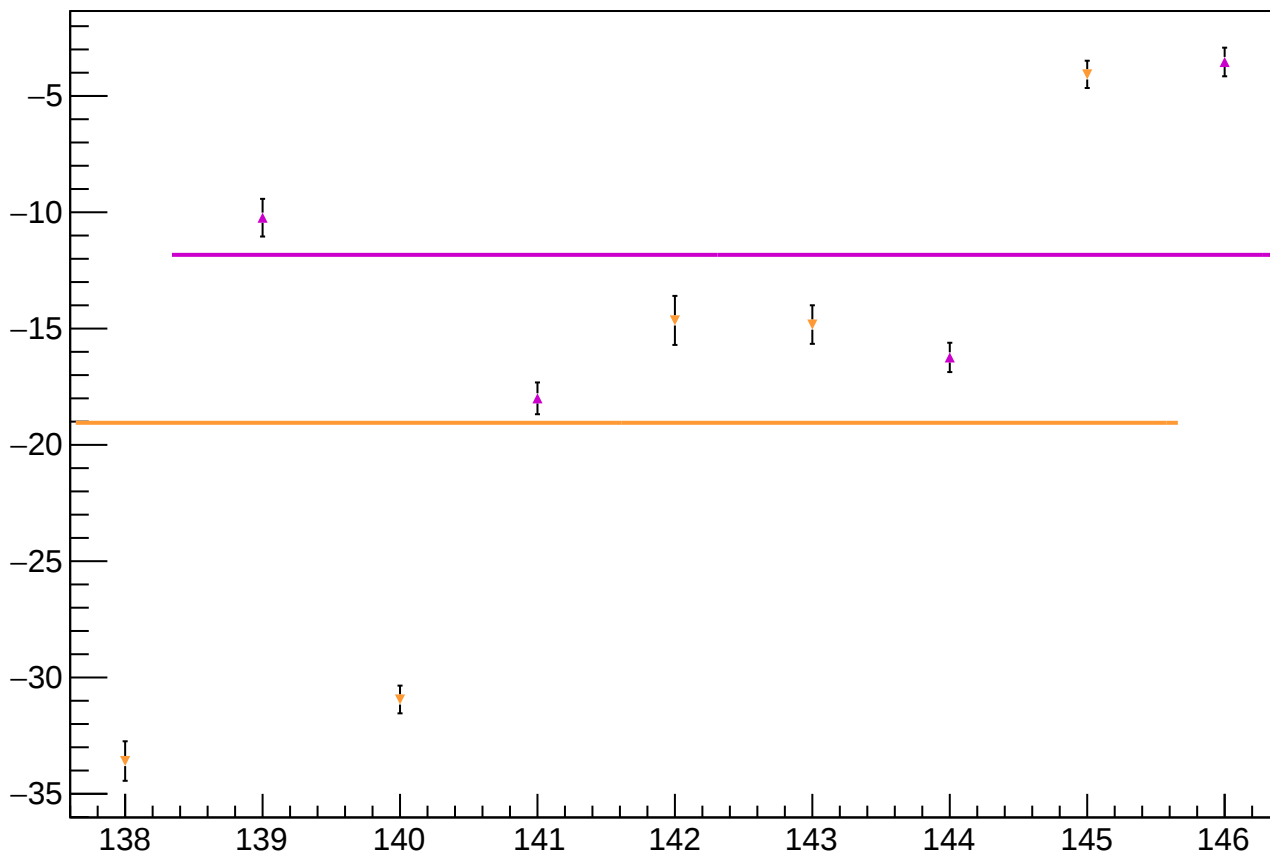
Right Out: 0.177 $\pm$ 0.013 χ^2/NDF : 976.8/19

Left In: 0.319 $\pm$ 0.010 χ^2/NDF : 87.2/3

0.231 $\pm$ 0.008 χ^2/NDF : 980.3/21

0.267 $\pm$ 0.008 χ^2/NDF : 1134.6/23

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -19.050+/-0.325 χ^2/NDF :1386.8/4

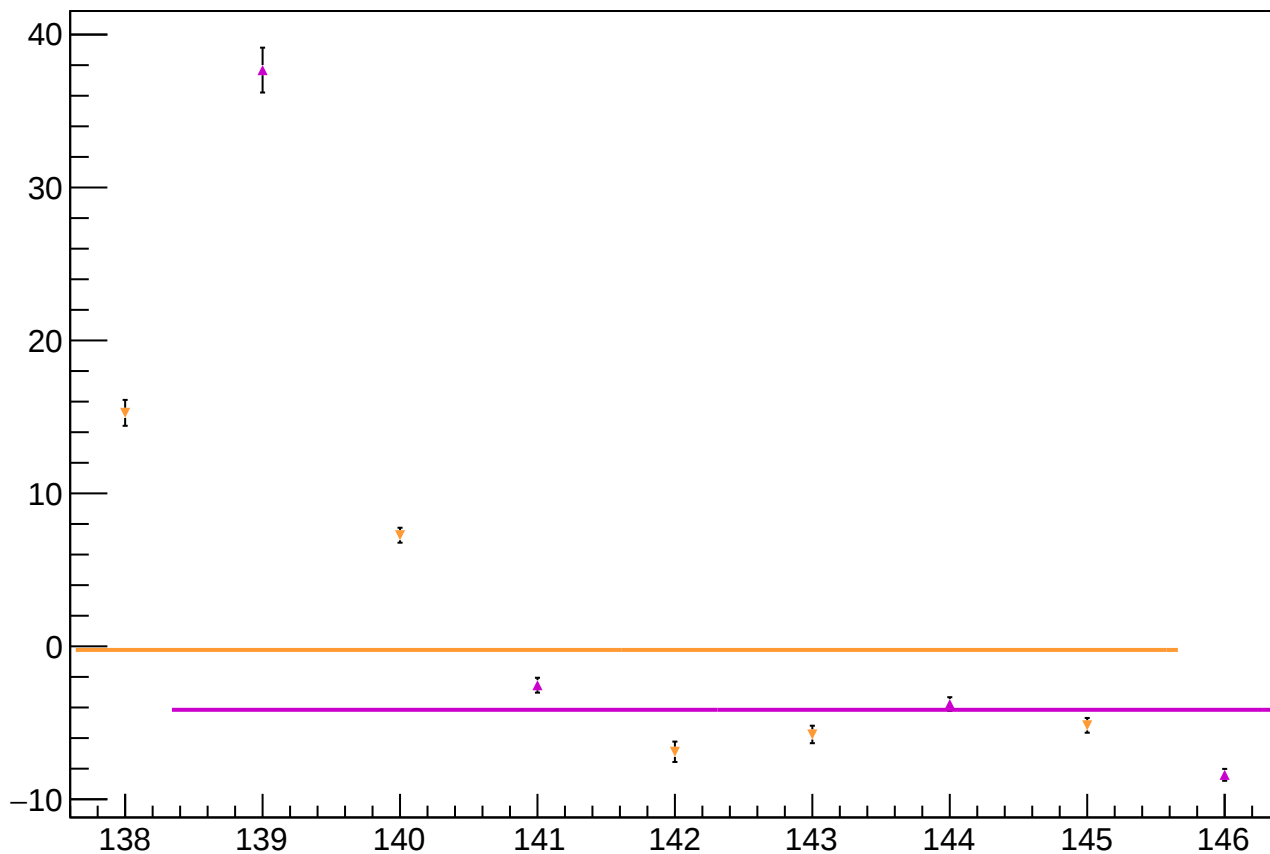
-19.050+/-0.325 χ^2/NDF : 1386.8/4

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

Left In: -11.830+/-0.337 χ^2/NDF :315.9/3

-11.830+/-0.337 χ^2/NDF : 315.9/3

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -0.236+/-0.257 χ^2/NDF : 867.8/4

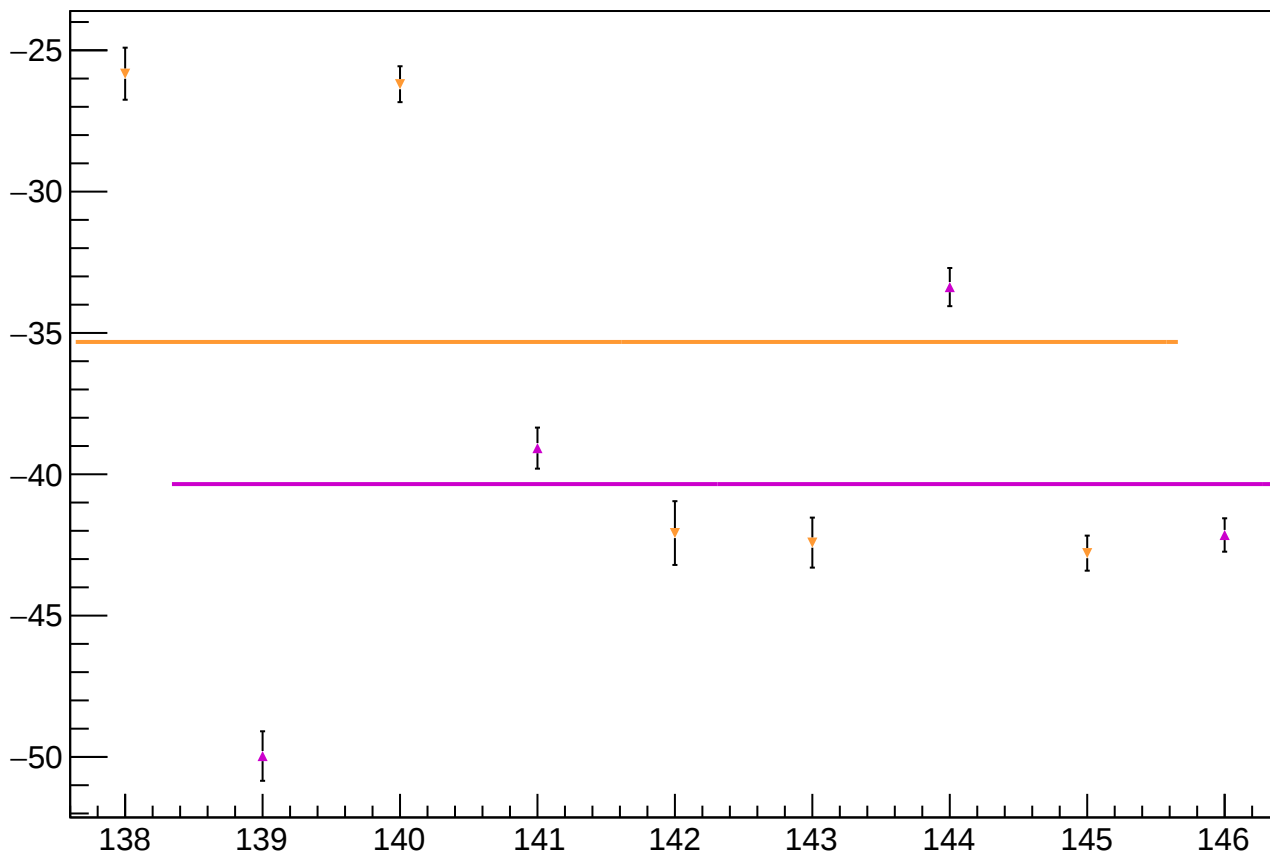
-0.236+/-0.257 χ^2/NDF : 867.8/4

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

Left In: -4.151+/-0.248 χ^2/NDF : 944.3/3

-4.151+/-0.248 χ^2/NDF : 944.3/3

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -35.318+/-0.347 χ^2/NDF : 558.0/4

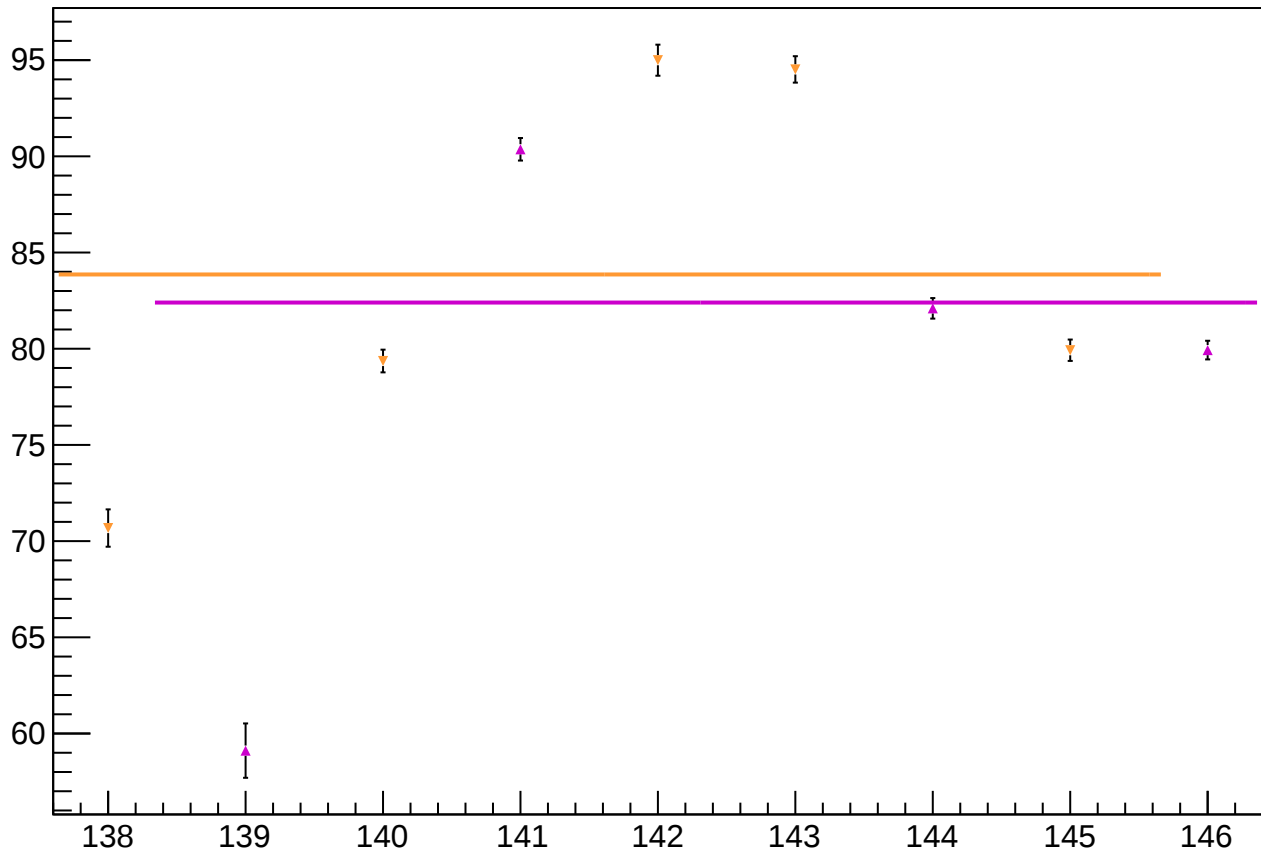
-35.318+/-0.347 χ^2/NDF : 558.0/4

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

-40.347+/-0.348 χ^2/NDF : 239.5/3

Left In: -40.347+/-0.348 χ^2/NDF : 239.5/3

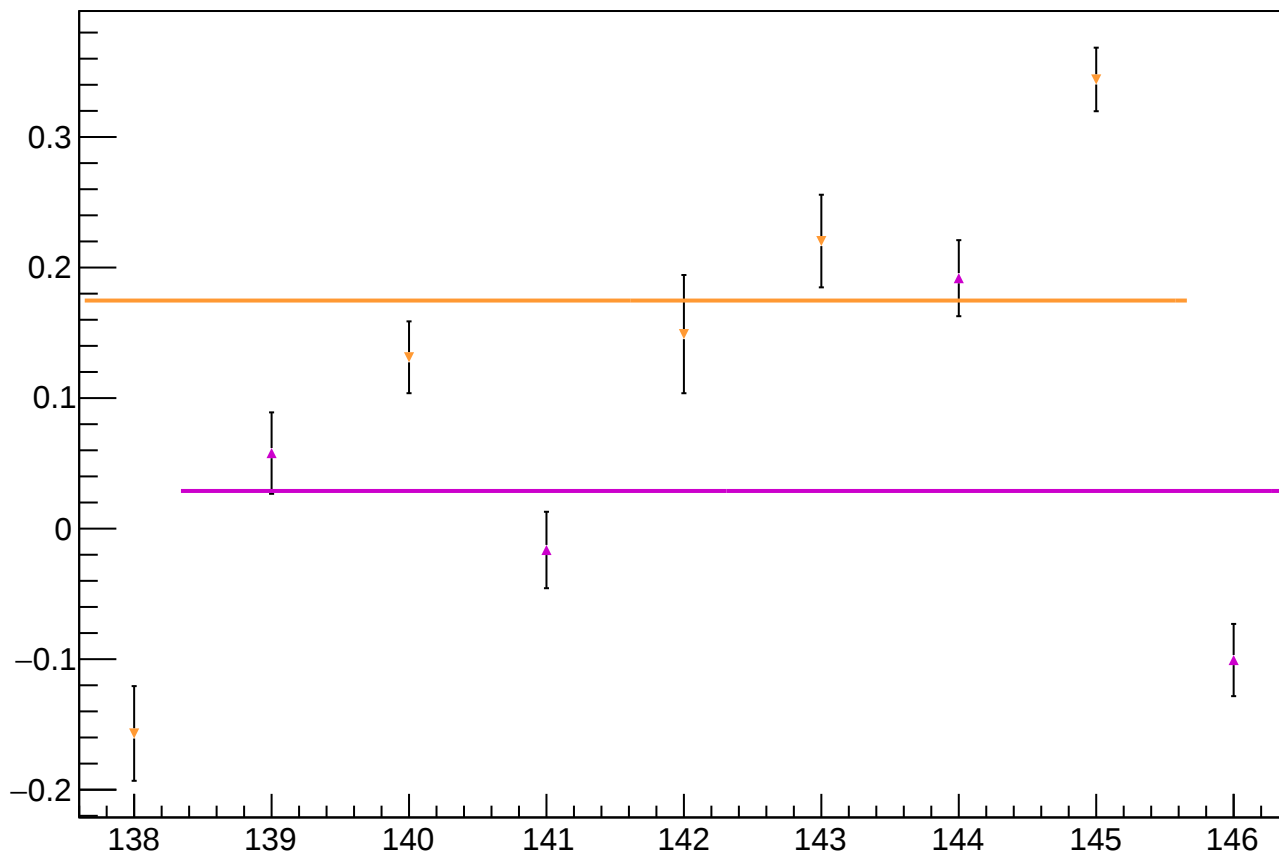
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 83.860 $\pm$ 0.304 χ^2 /NDF:723.9/4
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 82.400 $\pm$ 0.299 χ^2 /NDF:483.1/3

83.860 $\pm$ 0.304 χ^2 /NDF: 723.9/4
 82.400 $\pm$ 0.299 χ^2 /NDF: 483.1/3

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.175+/-0.014 χ^2/NDF :136.5/4

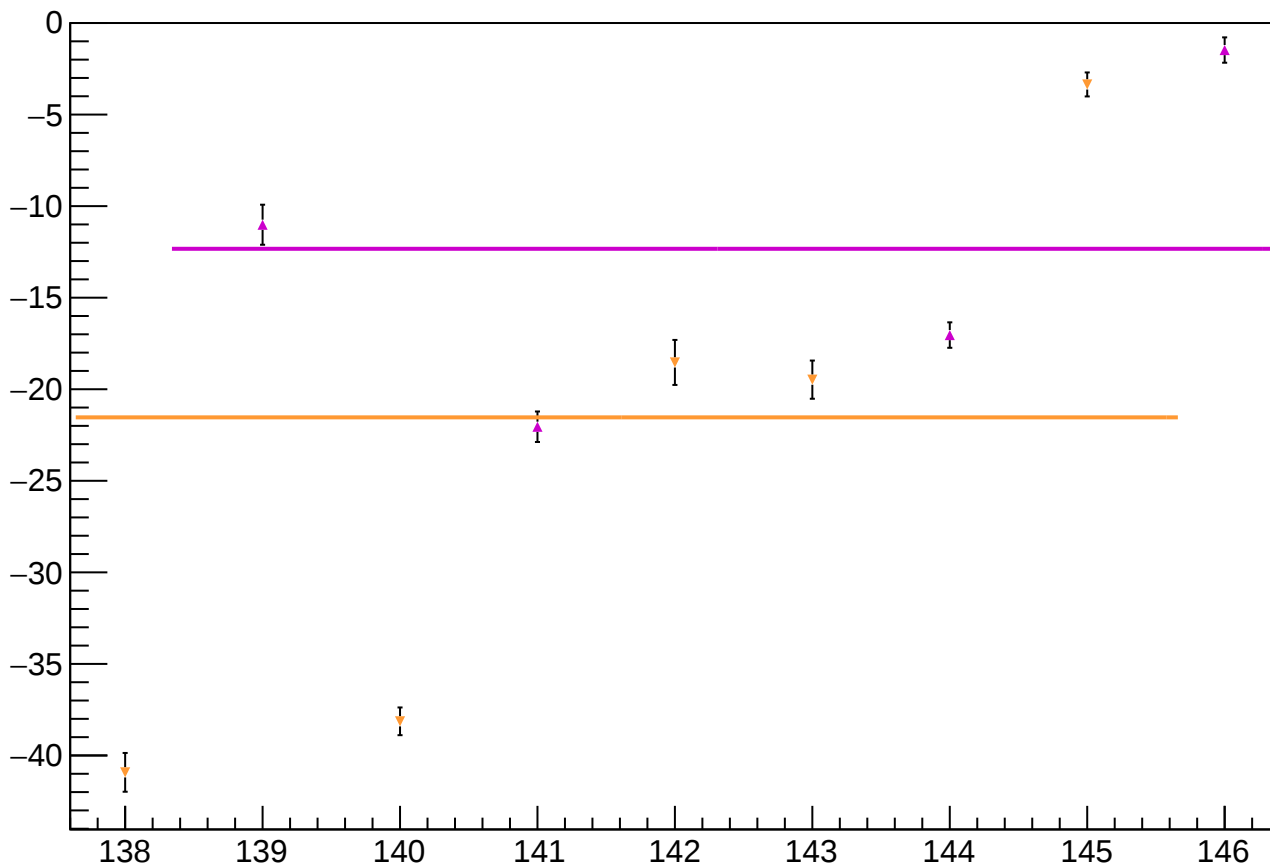
0.175+/-0.014 χ^2/NDF : 136.5/4

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

0.029+/-0.015 χ^2/NDF : 56.5/3

Left In: 0.029+/-0.015 χ^2/NDF :56.5/3

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -21.536+/-0.391 χ^2/NDF : 1597.0/4

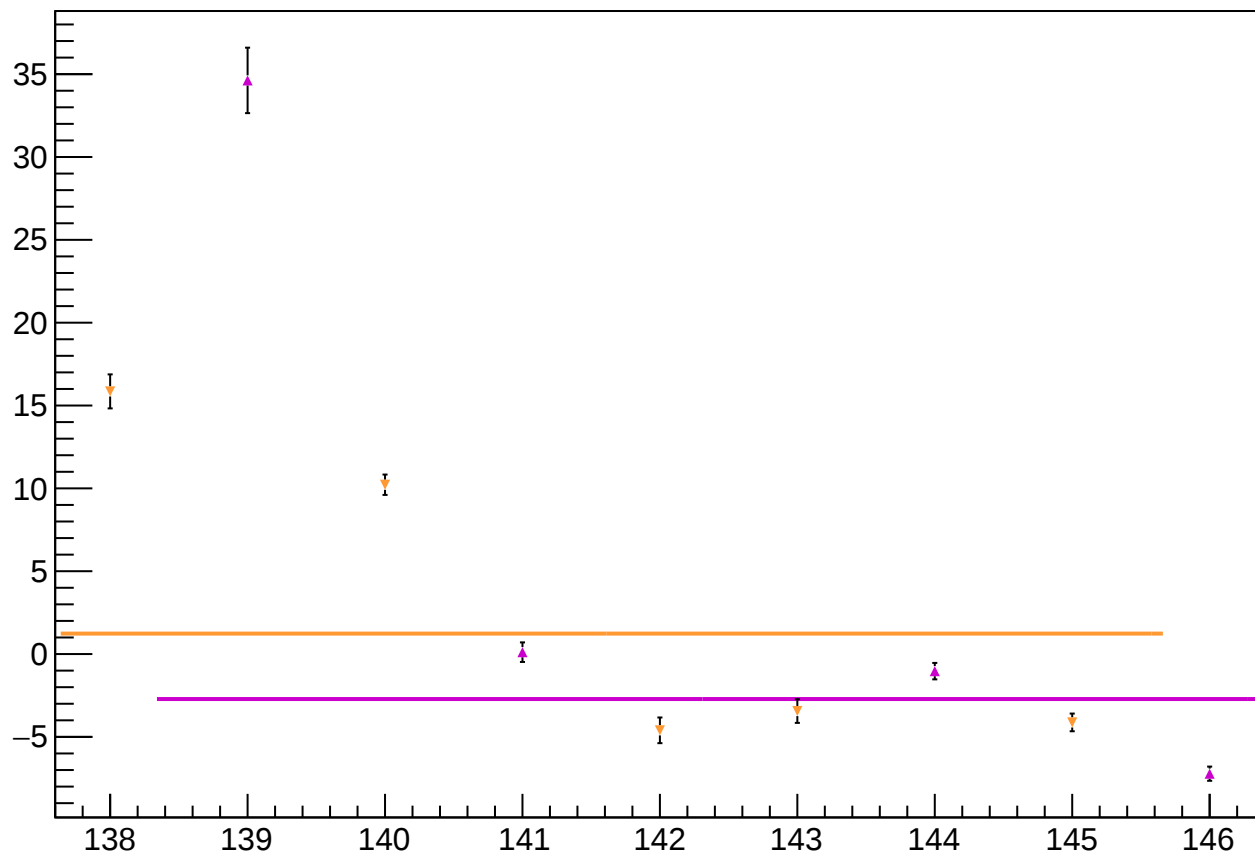
-21.536+/-0.391 χ^2/NDF : 1597.0/4

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

-12.330+/-0.394 χ^2/NDF : 429.3/3

Left In: -12.330+/-0.394 χ^2/NDF : 429.3/3

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug

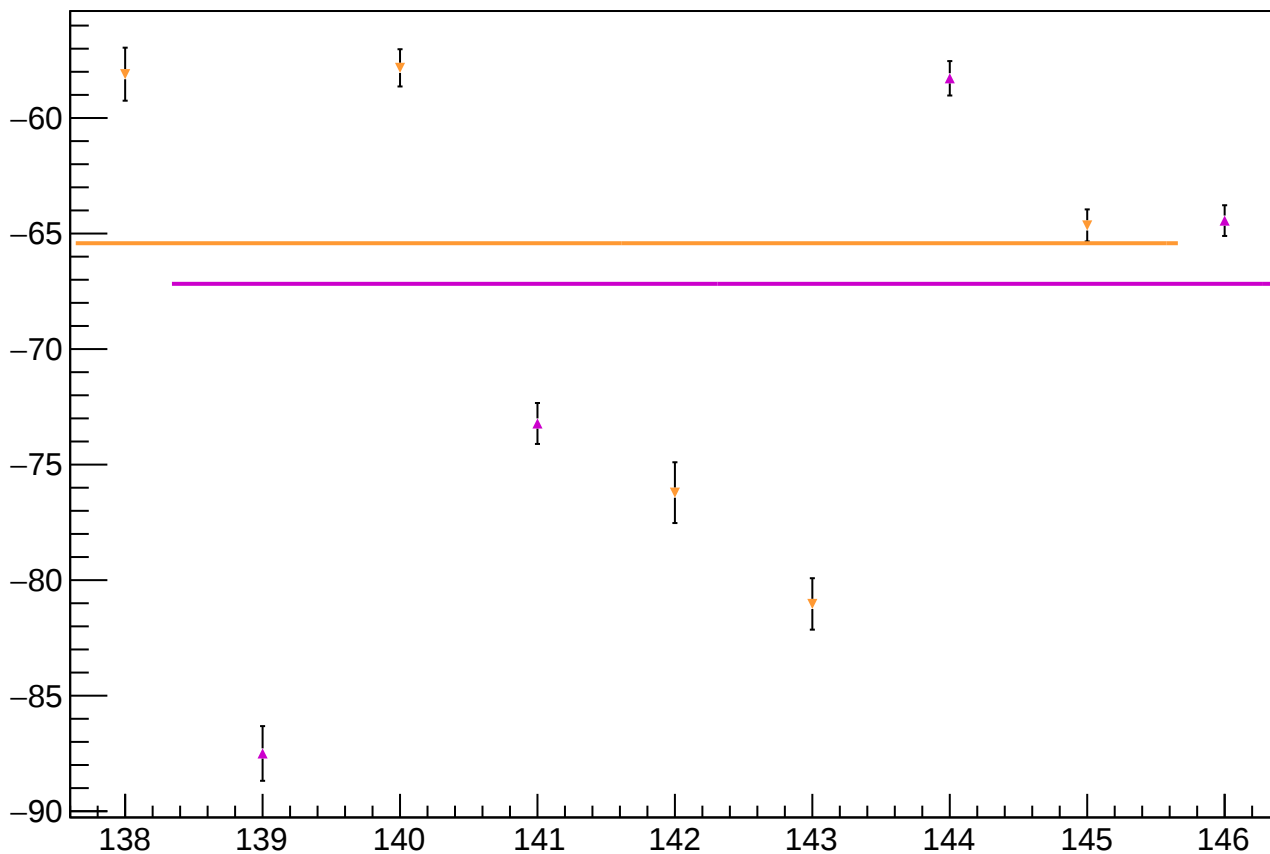


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 1.235+/-0.305 χ^2/NDF : 616.6/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.715+/-0.281 χ^2/NDF : 502.1/3

1.235+/-0.305 χ^2/NDF : 616.6/4

-2.715+/-0.281 χ^2/NDF : 502.1/3

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -65.419+/-0.417 χ^2/NDF : 394.6/4

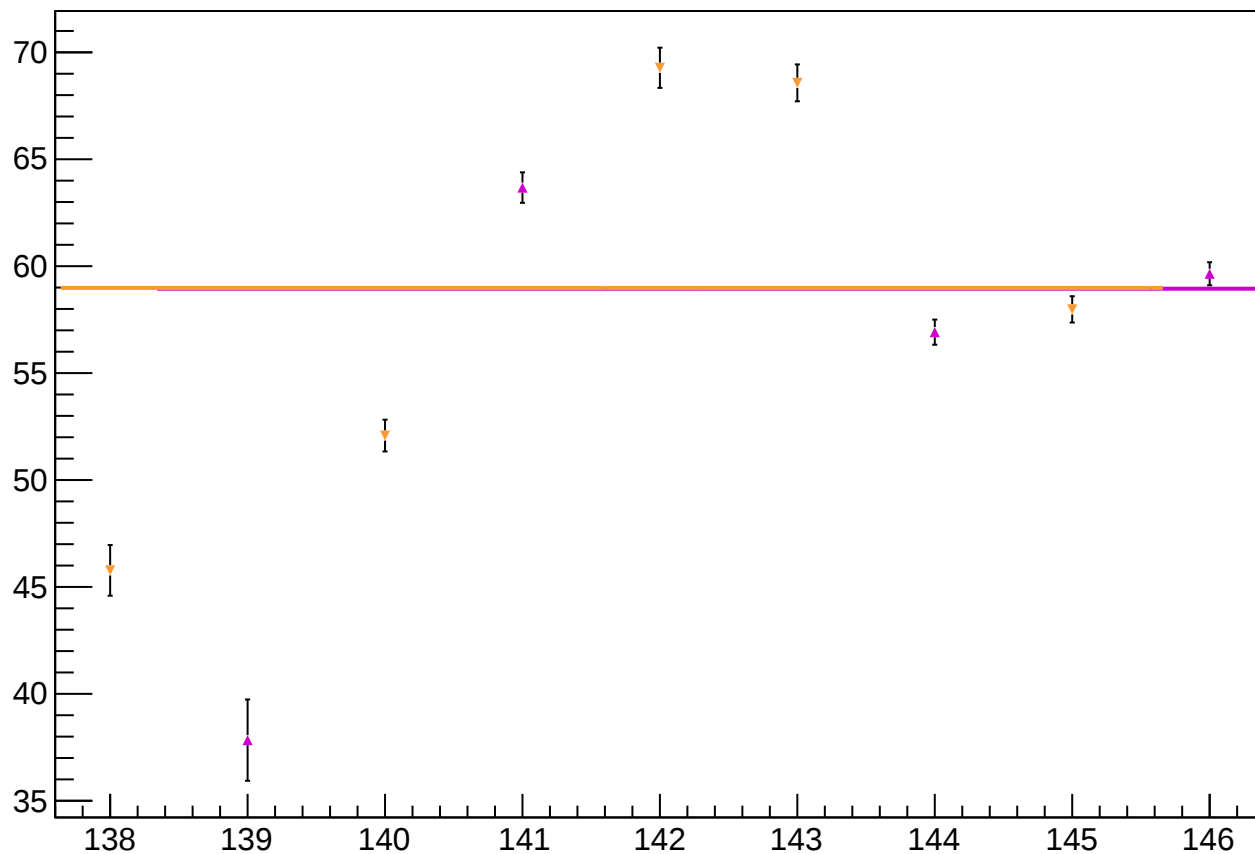
-65.419+/-0.417 χ^2/NDF : 394.6/4

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

Left In: -67.176+/-0.406 χ^2/NDF : 501.0/3

-67.176+/-0.406 χ^2/NDF : 501.0/3

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug

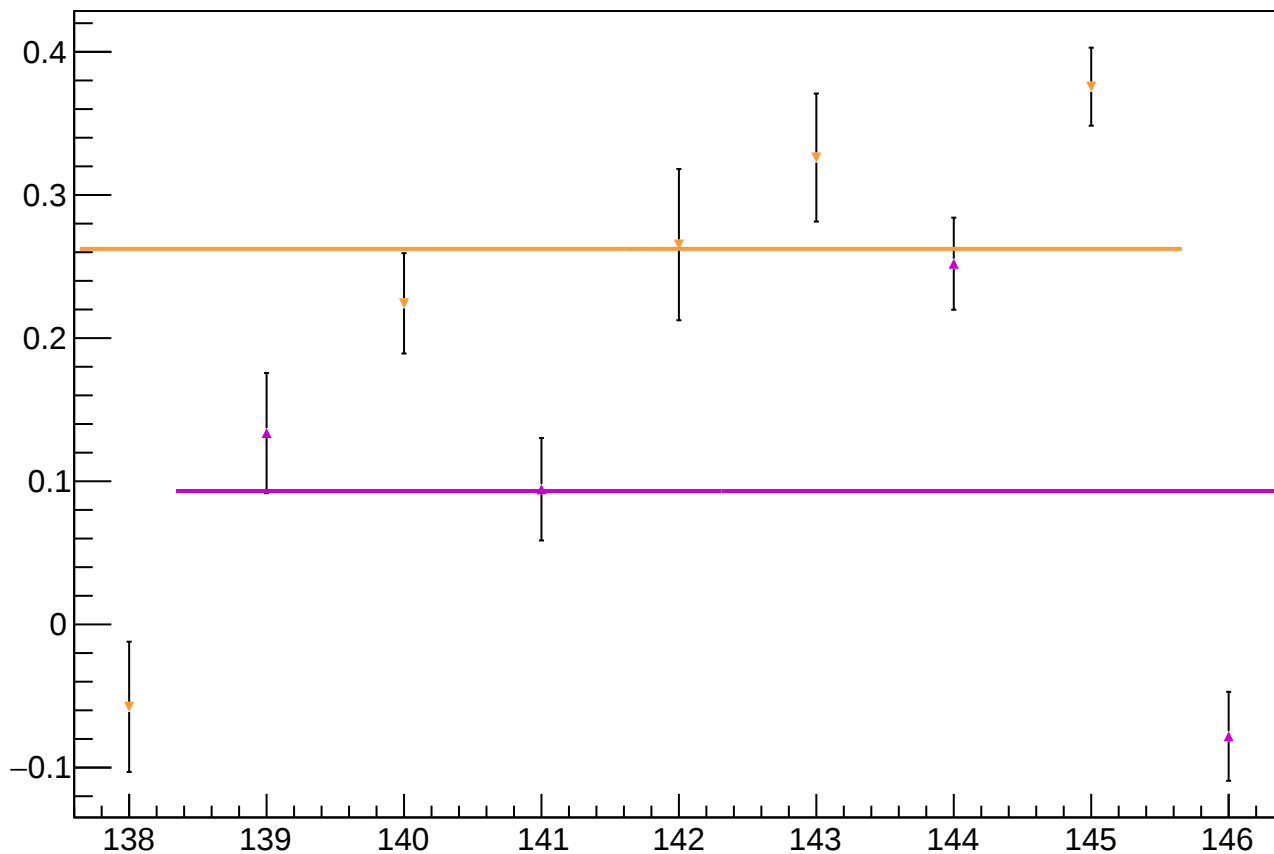


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 58.983+/-0.362 χ^2/NDF : 456.9/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 58.948+/-0.342 χ^2/NDF : 180.8/3

58.983+/-0.362 χ^2/NDF : 456.9/4

58.948+/-0.342 χ^2/NDF : 180.8/3

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: 0.262 $\pm$ 0.017 χ^2 /NDF:69.9/4

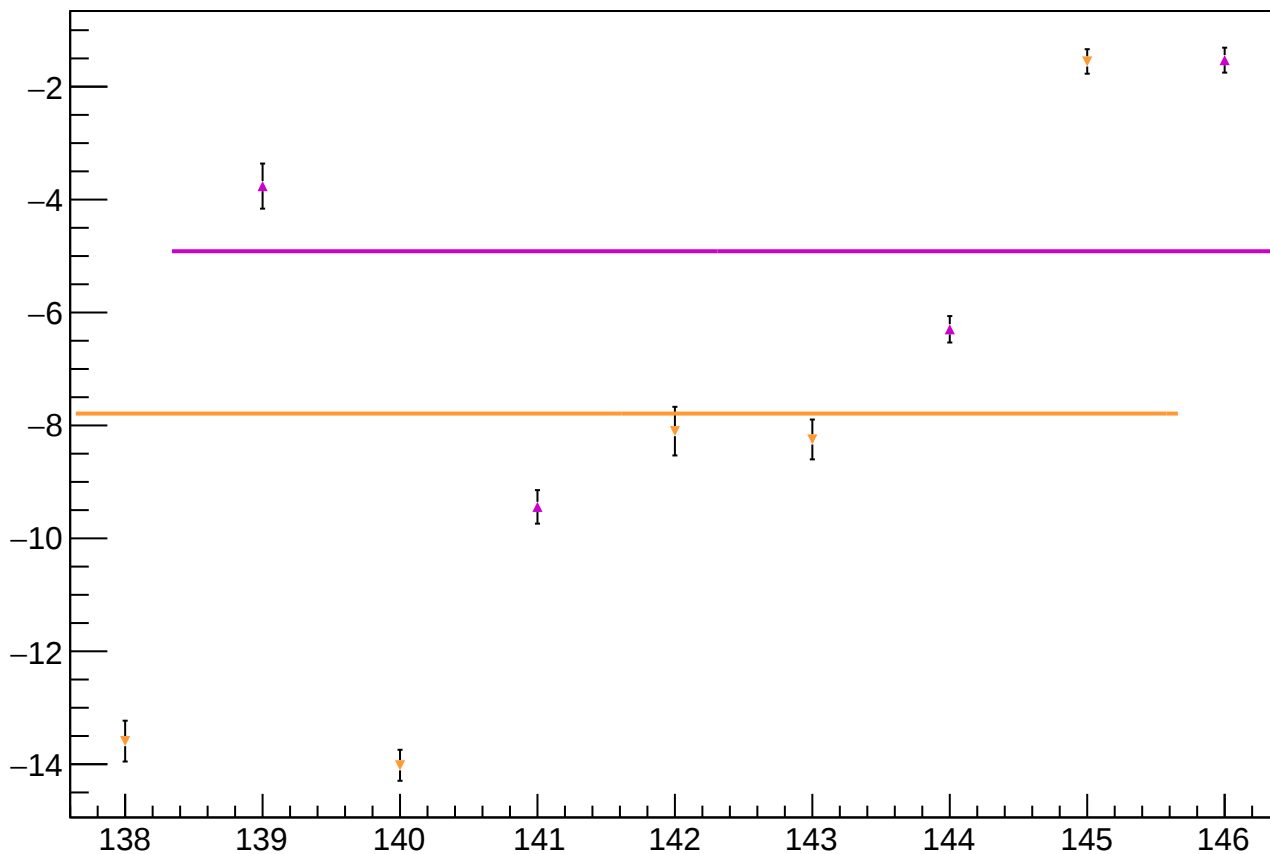
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.093 $\pm$ 0.017 χ^2 /NDF:55.7/3

0.262 $\pm$ 0.017 χ^2 /NDF: 69.9/4

0.093 $\pm$ 0.017 χ^2 /NDF: 55.7/3

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



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

Left Out: -7.790+/-0.134 χ^2/NDF : 1599.9/4

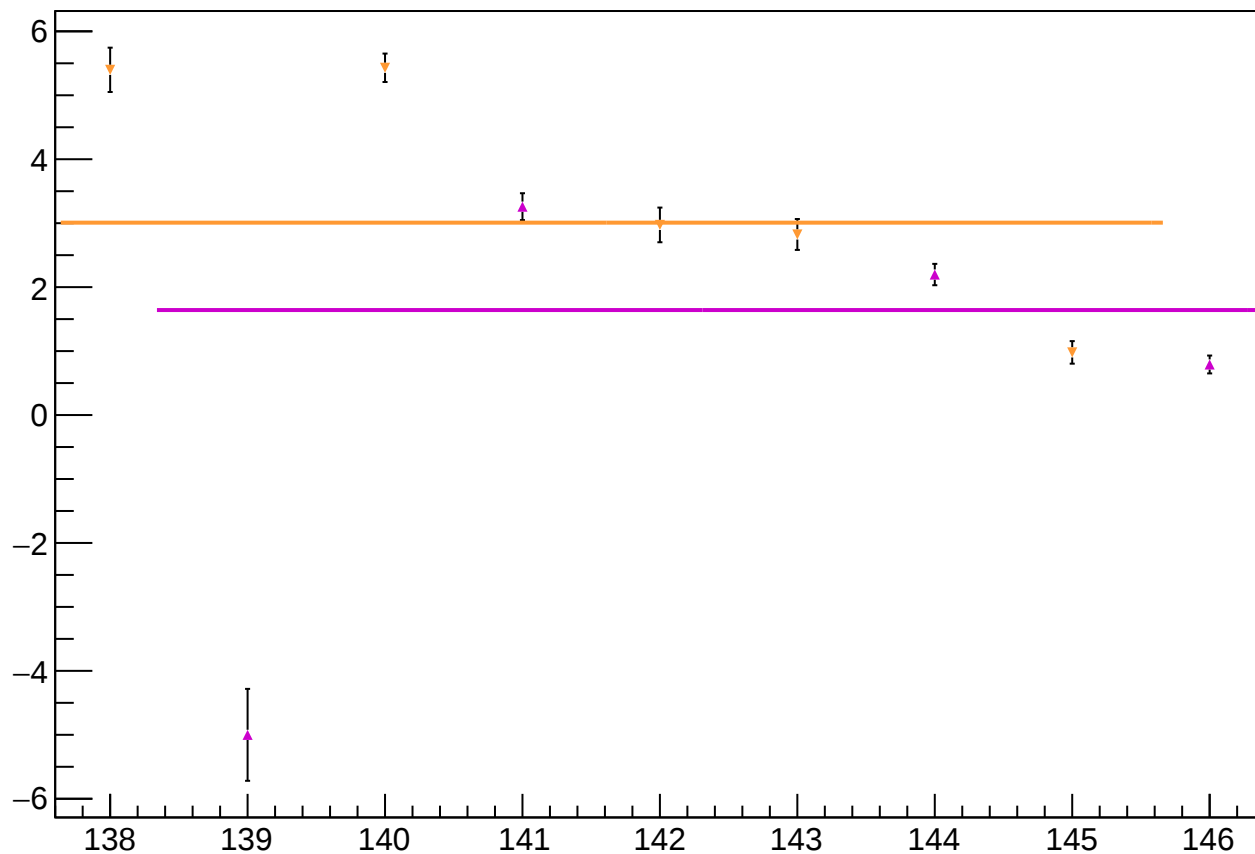
-7.790+/-0.134 χ^2/NDF : 1599.9/4

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

Left In: -4.915+/-0.133 χ^2/NDF : 510.5/3

-4.915+/-0.133 χ^2/NDF : 510.5/3

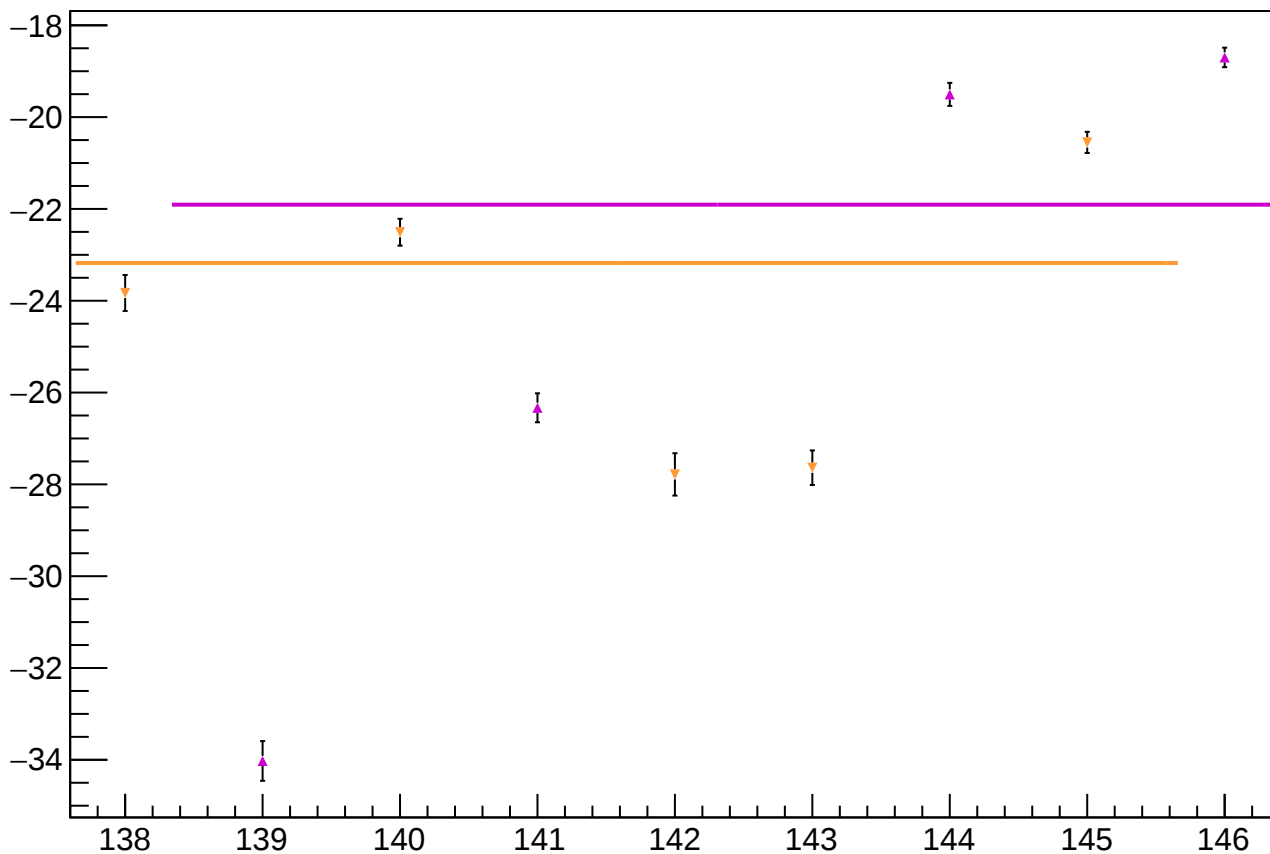
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.008 $\pm$ 0.105 χ^2 /NDF:299.2/4
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.642 $\pm$ 0.095 χ^2 /NDF:192.9/3

3.008 $\pm$ 0.105 χ^2 /NDF: 299.2/4
 1.642 $\pm$ 0.095 χ^2 /NDF: 192.9/3

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -23.178+/-0.143 χ^2/NDF : 378.1/4

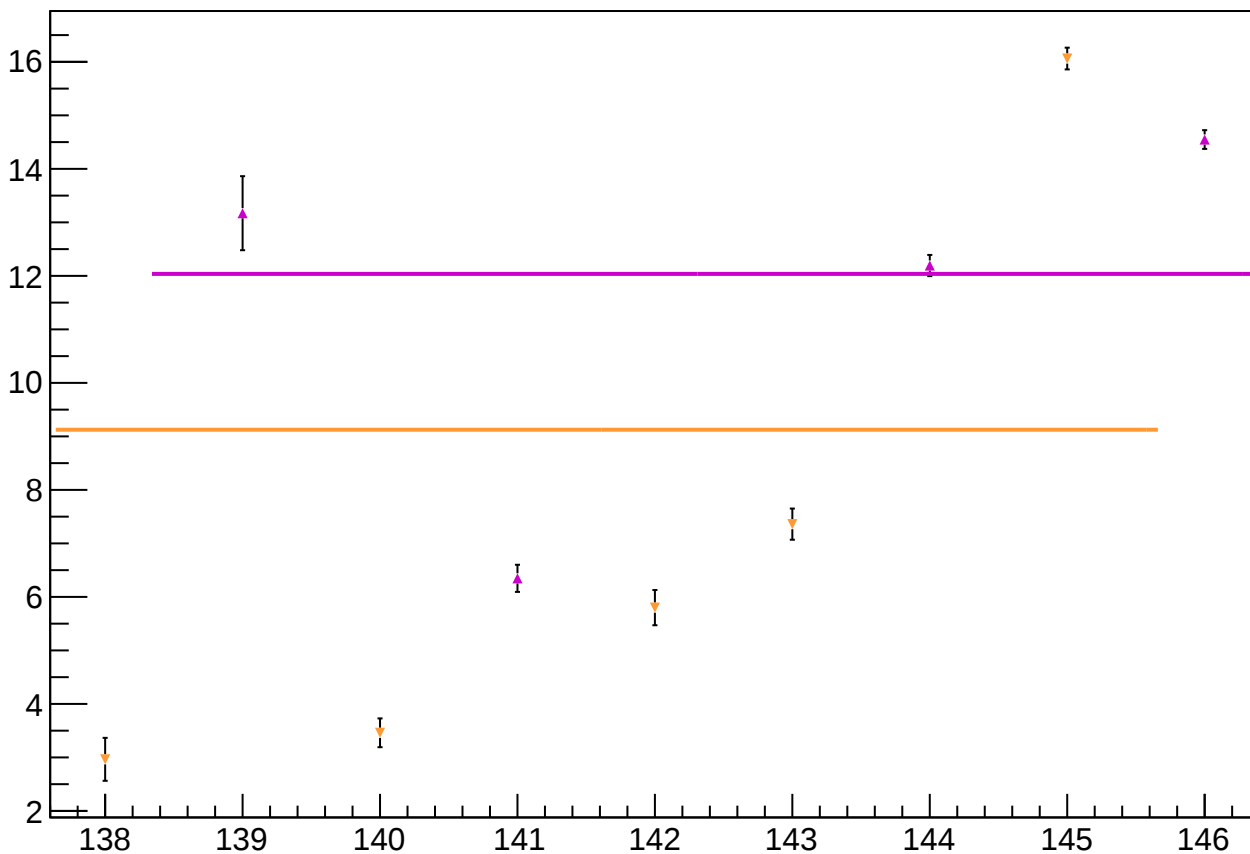
-23.178+/-0.143 χ^2/NDF : 378.1/4

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

-21.907+/-0.137 χ^2/NDF : 1301.2/3

Left In: -21.907+/-0.137 χ^2/NDF : 1301.2/3

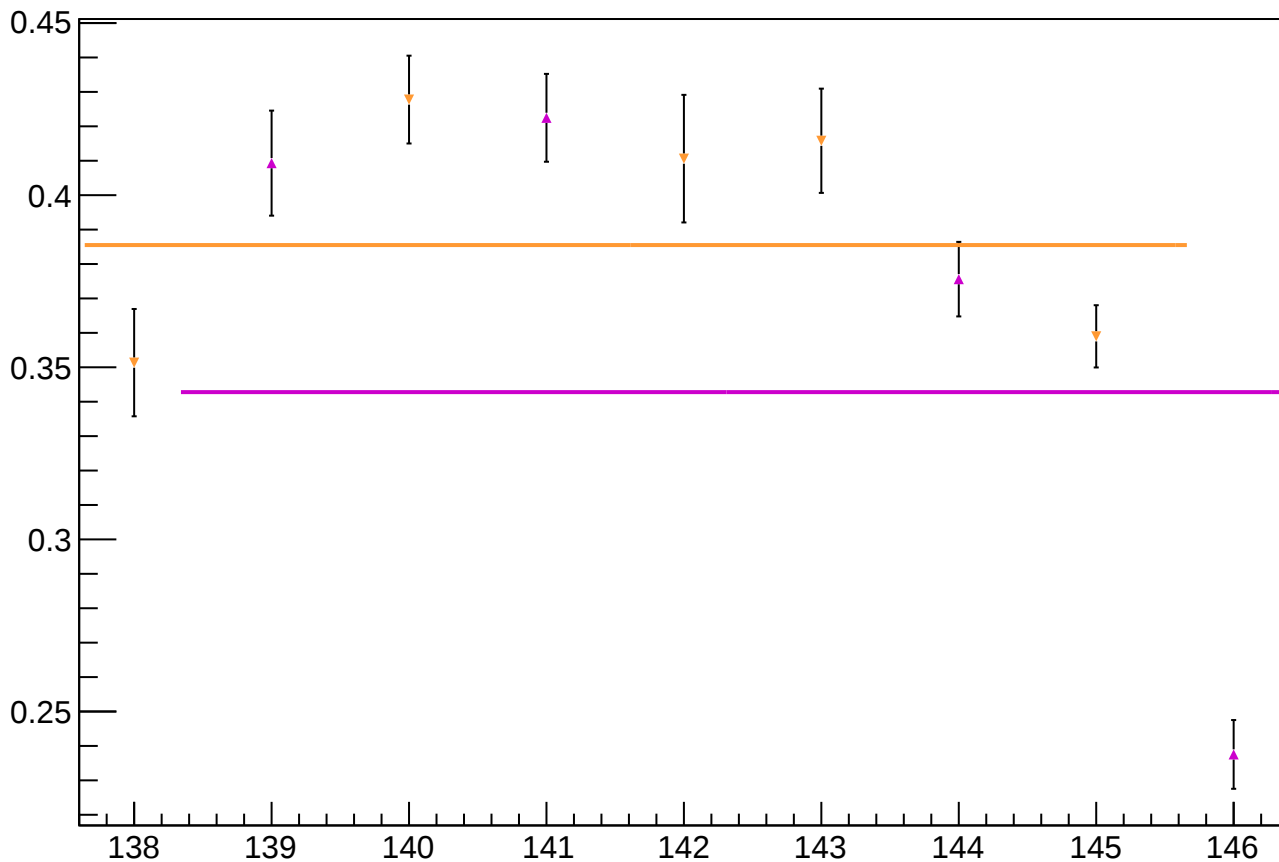
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 9.125 $\pm$ 0.124 χ^2 /NDF:1983.0/4
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 12.037 $\pm$ 0.115 χ^2 /NDF:712.8/3

9.125 $\pm$ 0.124 χ^2 /NDF: 1983.0/4
 12.037 $\pm$ 0.115 χ^2 /NDF: 712.8/3

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.386 $\pm$ 0.006 χ^2 /NDF:30.2/4

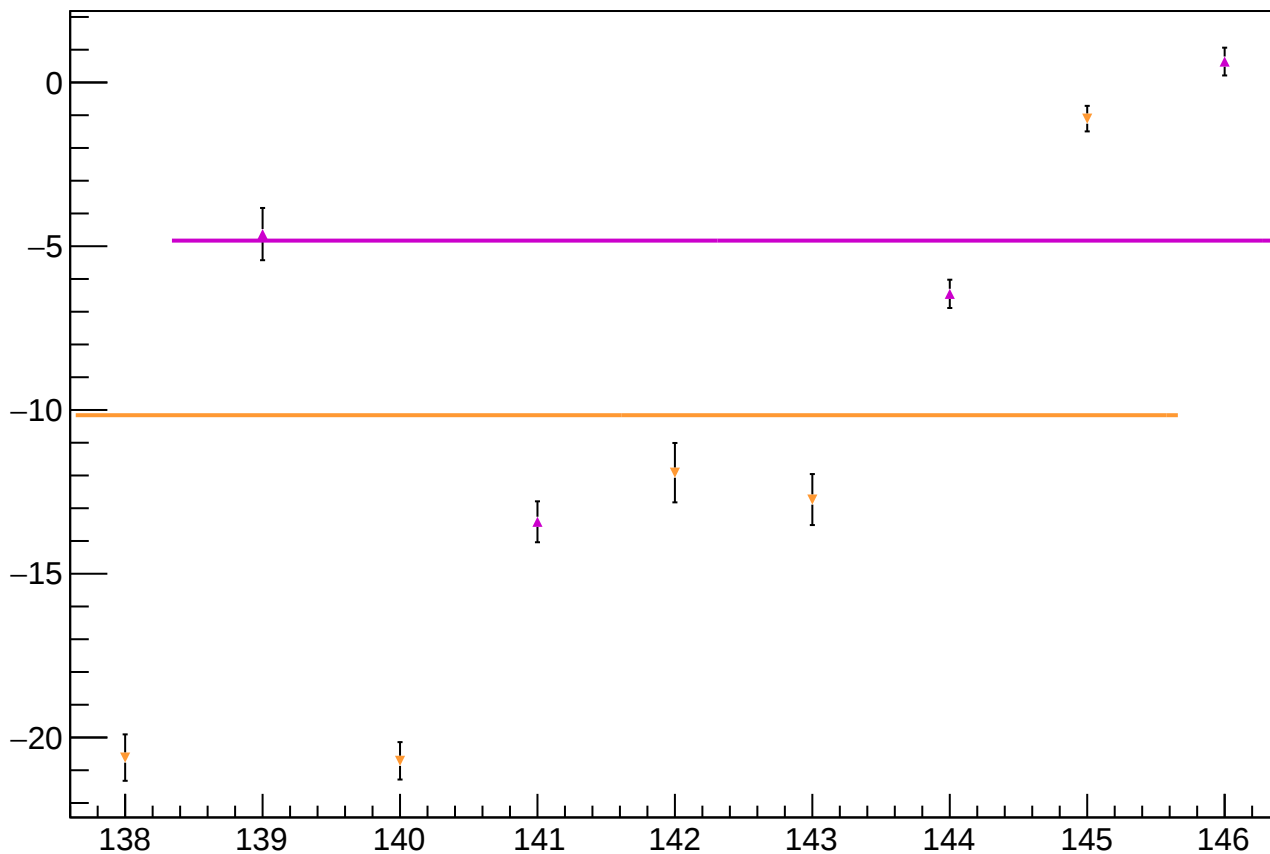
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.343 $\pm$ 0.006 χ^2 /NDF:178.2/3

0.386 $\pm$ 0.006 χ^2 /NDF: 30.2/4

0.343 $\pm$ 0.006 χ^2 /NDF: 178.2/3

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



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

Left Out: -10.159+/-0.263 χ^2/NDF : 1112.3/4

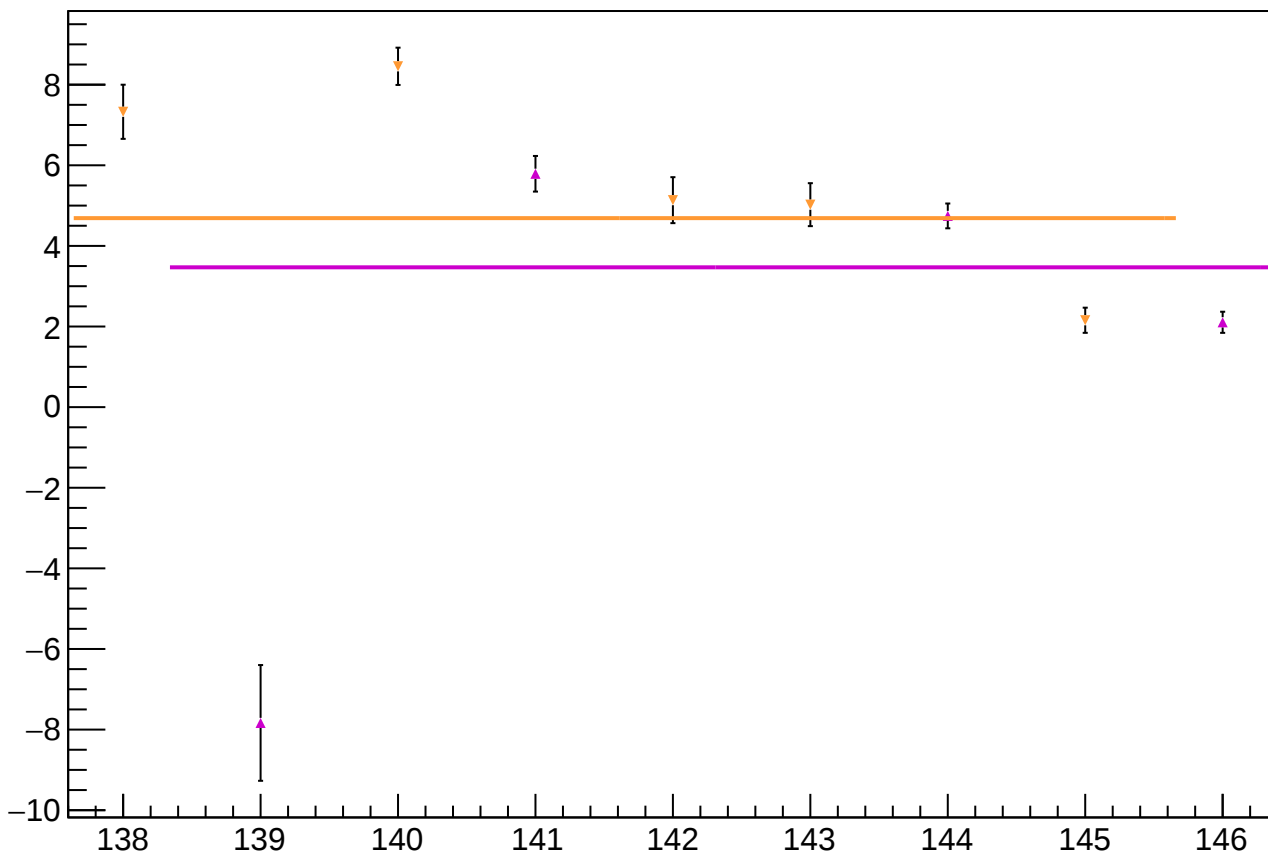
-10.159+/-0.263 χ^2/NDF : 1112.3/4

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

Left In: -4.829+/-0.258 χ^2/NDF : 369.0/3

-4.829+/-0.258 χ^2/NDF : 369.0/3

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 4.689+/-0.205 χ^2/NDF :148.7/4

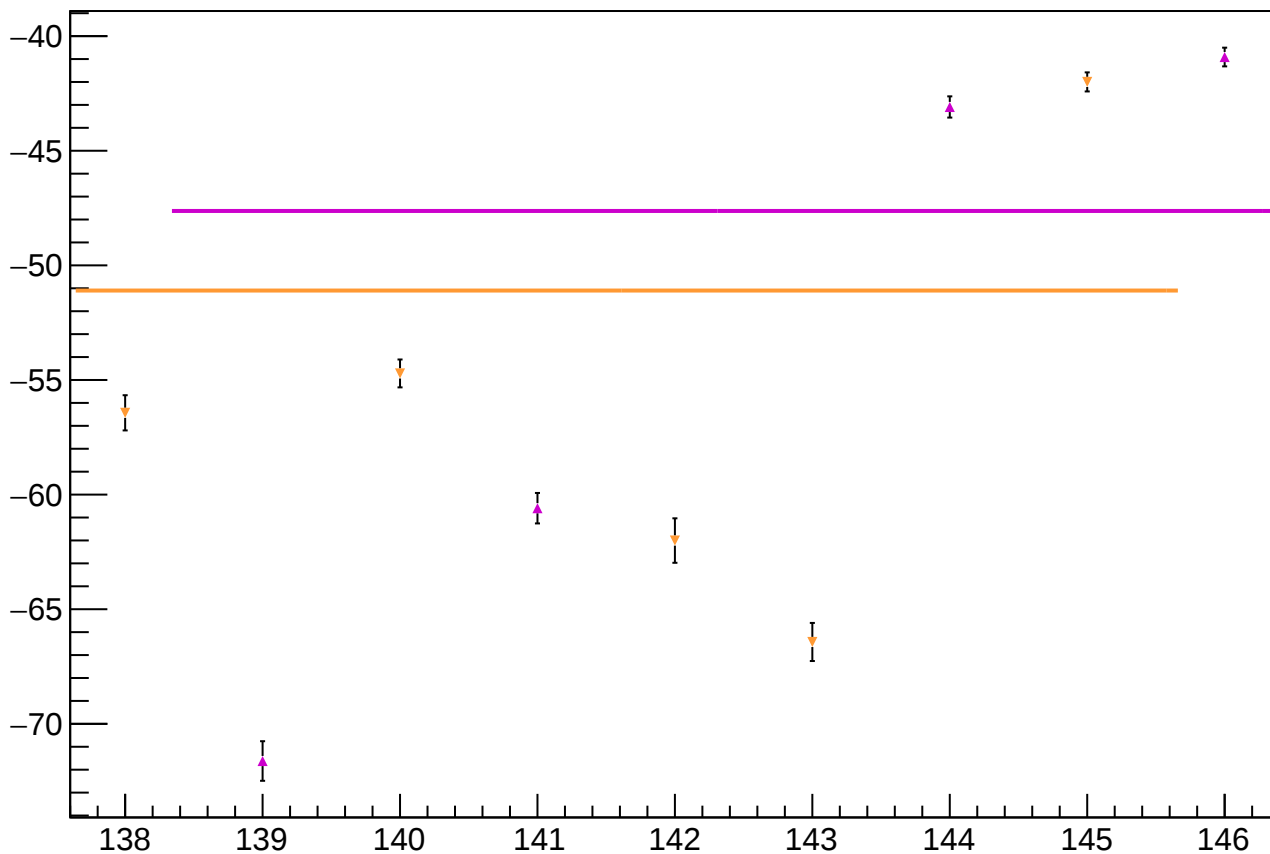
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 3.469+/-0.180 χ^2/NDF :133.8/3

4.689+/-0.205 χ^2/NDF : 148.7/4

3.469+/-0.180 χ^2/NDF : 133.8/3

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -51.098+/-0.281 χ^2/NDF :1029.2/4

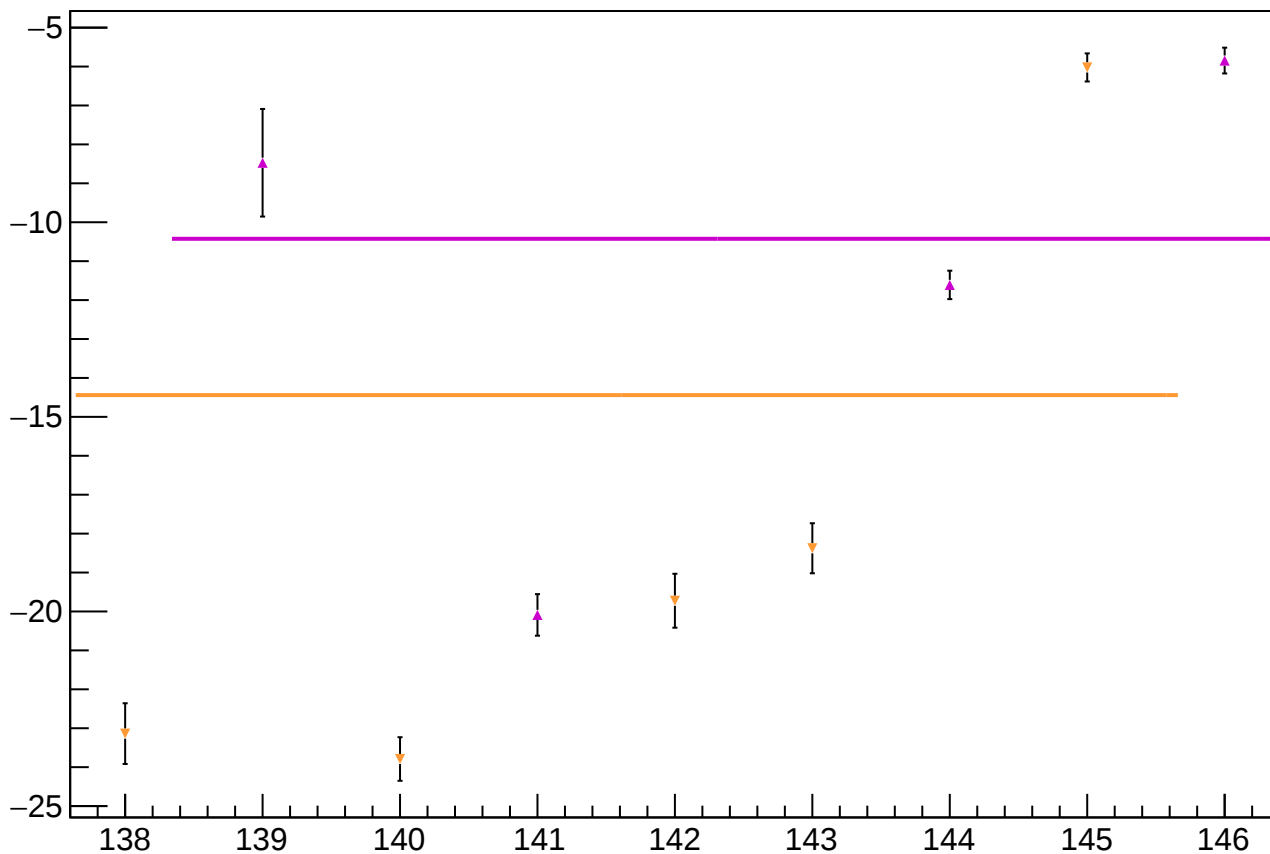
-51.098+/-0.281 χ^2/NDF : 1029.2/4

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

-47.627+/-0.265 χ^2/NDF : 1520.0/3

Left In: -47.627+/-0.265 χ^2/NDF :1520.0/3

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



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

Left Out: -14.441+/-0.242 χ^2/NDF : 1043.0/4

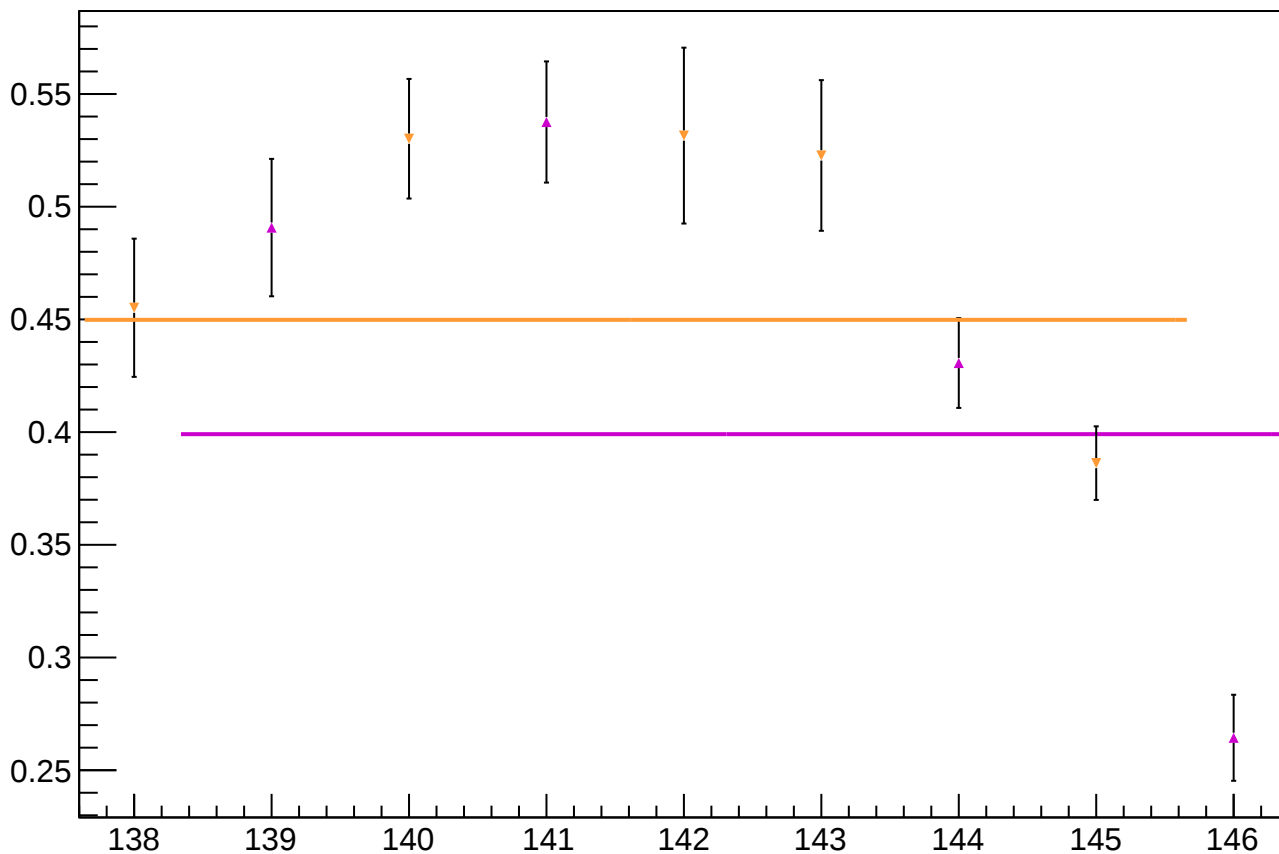
-14.441+/-0.242 χ^2/NDF : 1043.0/4

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

-10.425+/-0.220 χ^2/NDF : 531.3/3

Left In: -10.425+/-0.220 χ^2/NDF : 531.3/3

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: 0.450 $\pm$ 0.011 χ^2 /NDF: 33.5/4

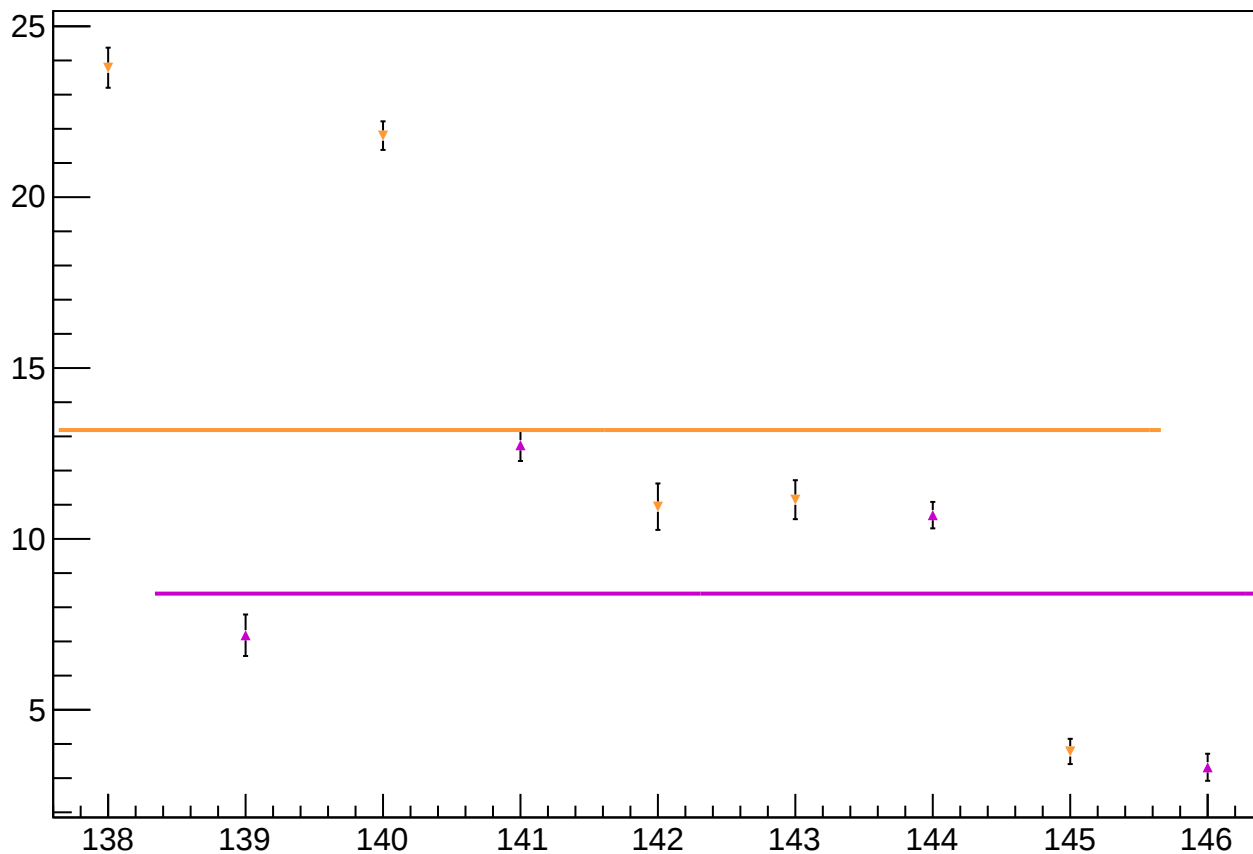
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.399 $\pm$ 0.011 χ^2 /NDF: 87.9/3

0.450 $\pm$ 0.011 χ^2 /NDF: 33.5/4

0.399 $\pm$ 0.011 χ^2 /NDF: 87.9/3

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug

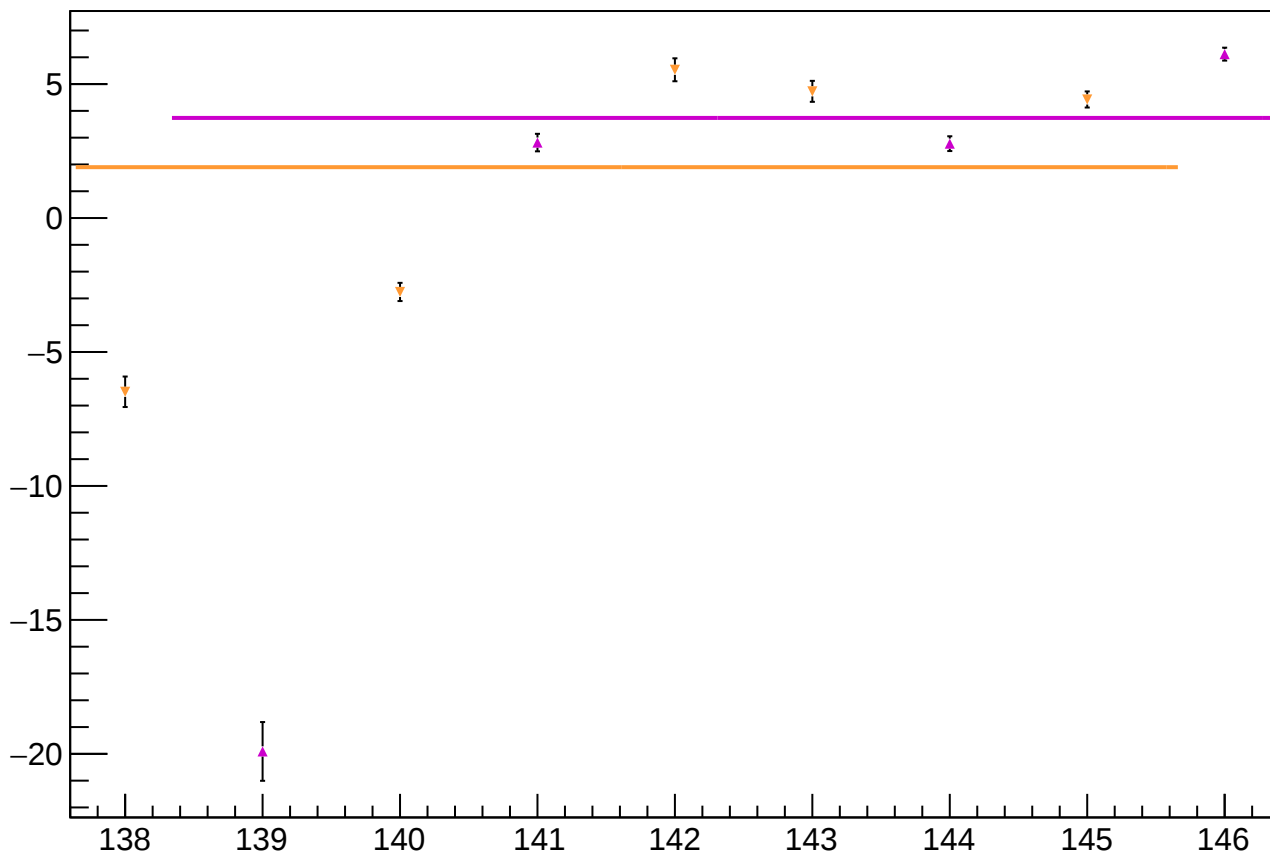


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 13.186+/-0.217 χ^2/NDF : 1422.4/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.399+/-0.221 χ^2/NDF : 292.9/3

13.186+/-0.217 χ^2/NDF : 1422.4/4

8.399+/-0.221 χ^2/NDF : 292.9/3

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: 1.898 $\pm$ 0.170 χ^2 /NDF: 600.2/4

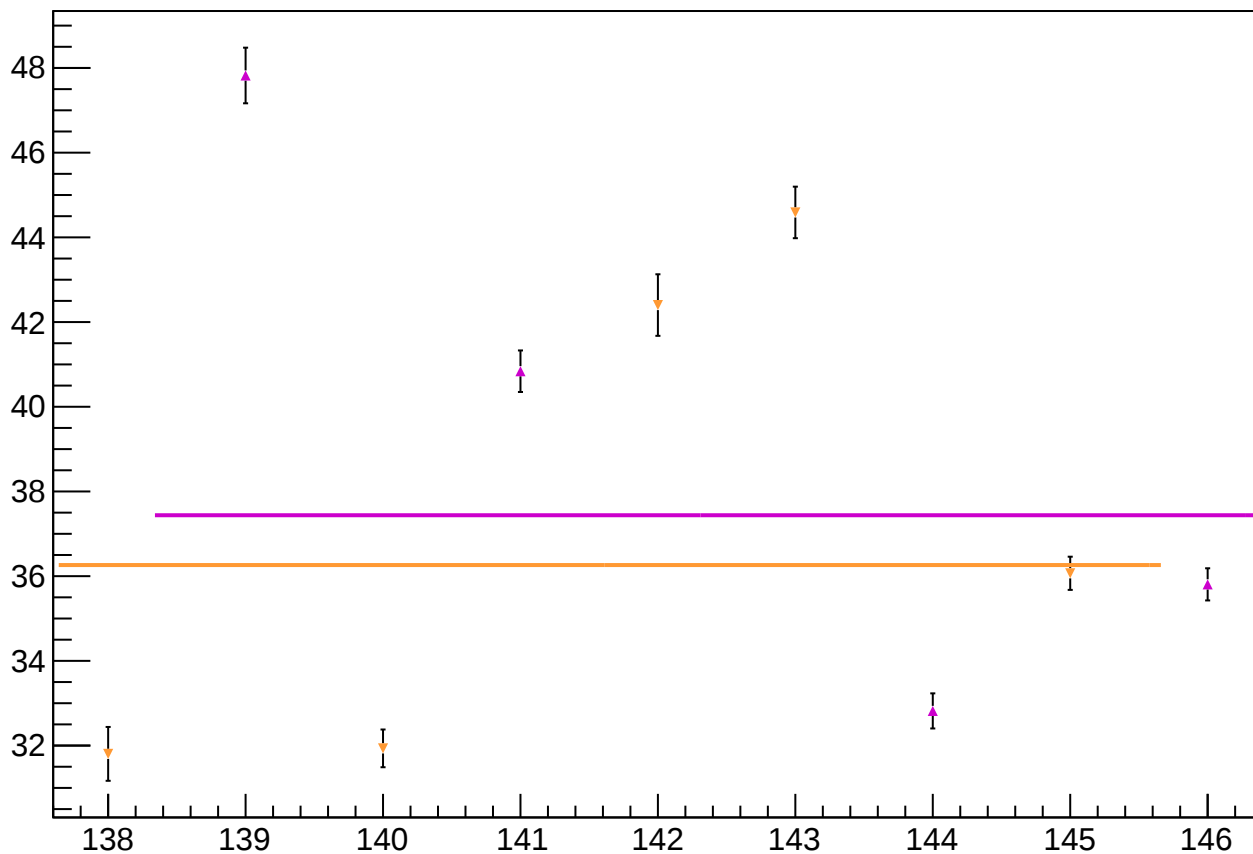
1.898 $\pm$ 0.170 χ^2 /NDF: 600.2/4

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

3.737 $\pm$ 0.157 χ^2 /NDF: 582.5/3

Left In: 3.737 $\pm$ 0.157 χ^2 /NDF: 582.5/3

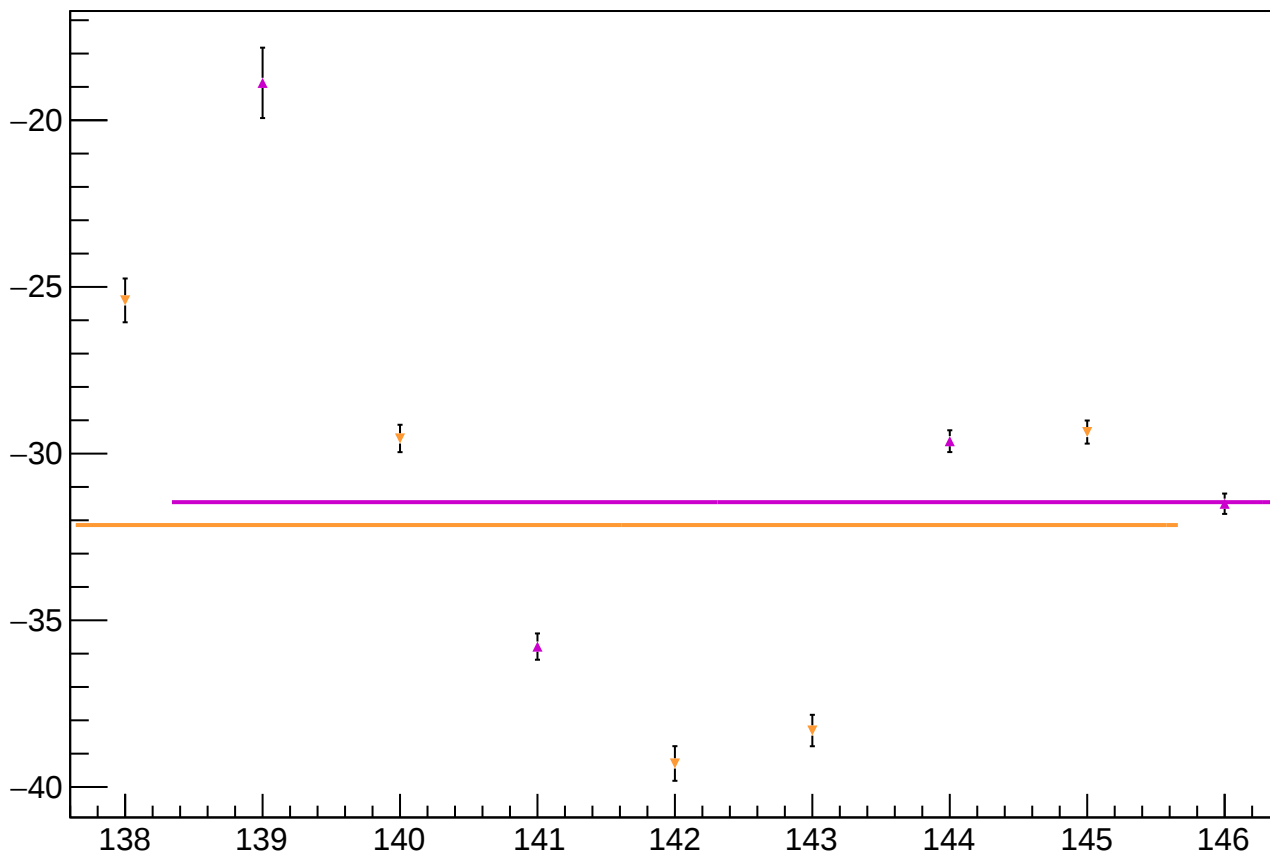
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 36.262+/-0.232 χ^2/NDF : 402.5/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 37.439+/-0.228 χ^2/NDF : 440.7/3

36.262+/-0.232 χ^2/NDF : 402.5/4
 37.439+/-0.228 χ^2/NDF : 440.7/3

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -32.143+/-0.201 χ^2/NDF : 570.6/4

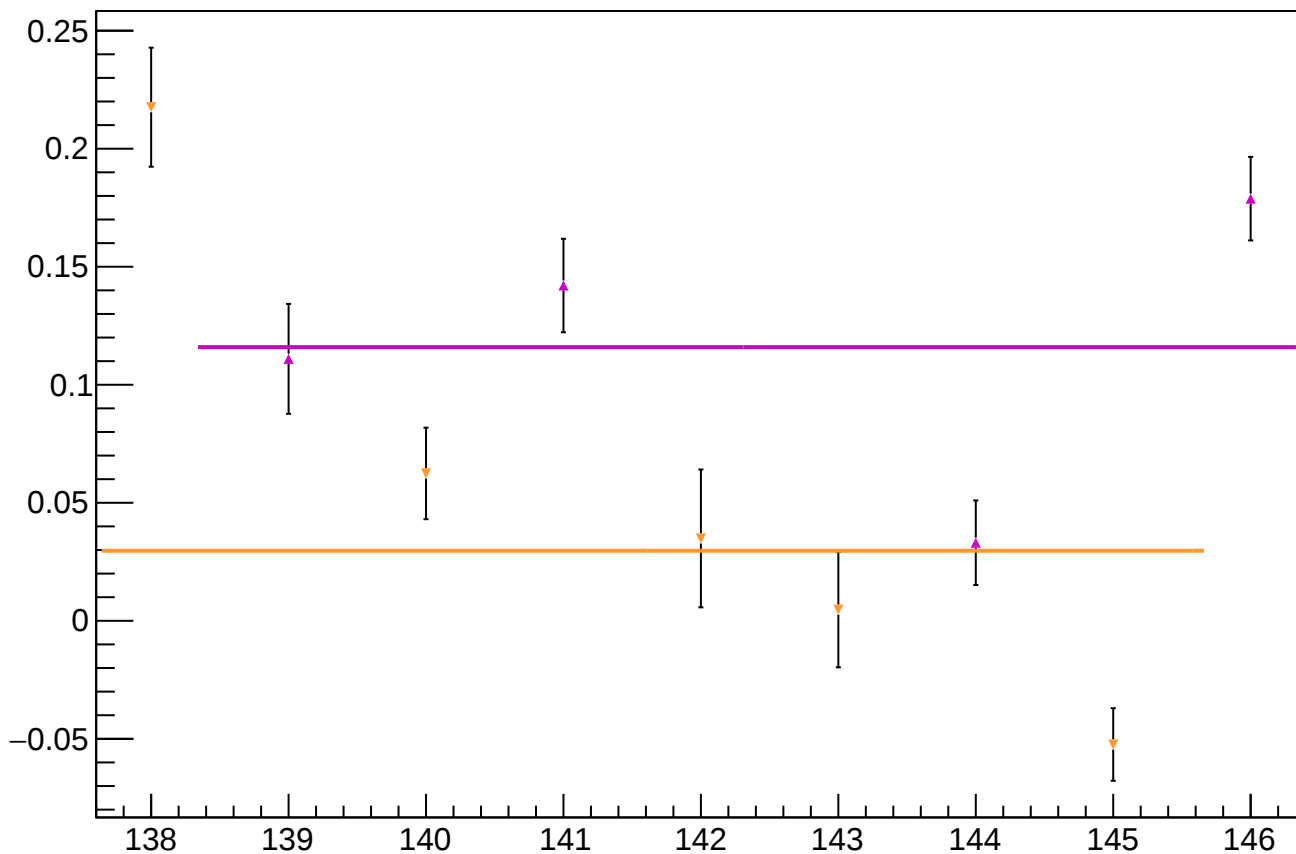
-32.143+/-0.201 χ^2/NDF : 570.6/4

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

-31.456+/-0.191 χ^2/NDF : 293.9/3

Left In: -31.456+/-0.191 χ^2/NDF : 293.9/3

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: 0.030 $\pm$ 0.009 χ^2 /NDF:87.9/4

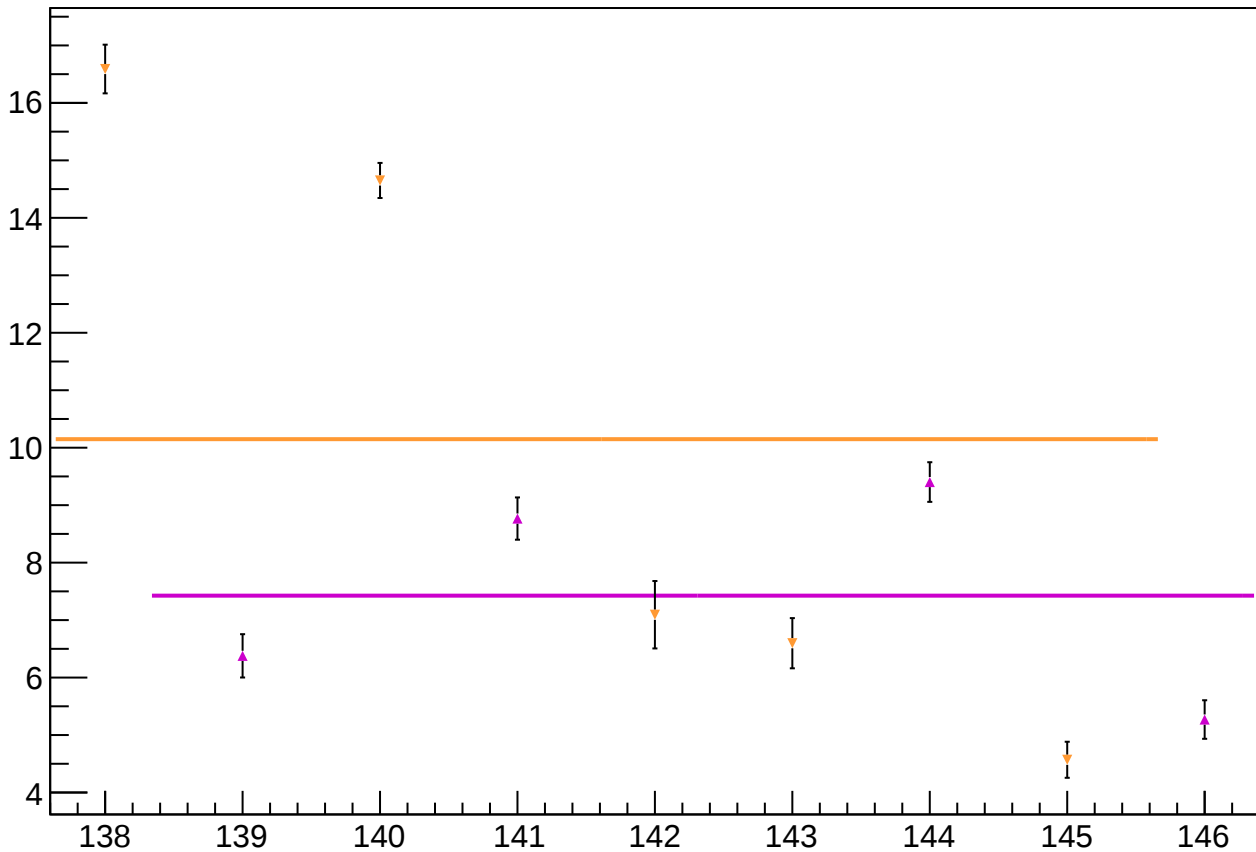
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.116 $\pm$ 0.010 χ^2 /NDF:35.8/3

0.030 $\pm$ 0.009 χ^2 /NDF: 87.9/4

0.116 $\pm$ 0.010 χ^2 /NDF: 35.8/3

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 10.149+/-0.170 χ^2/NDF : 858.1/4

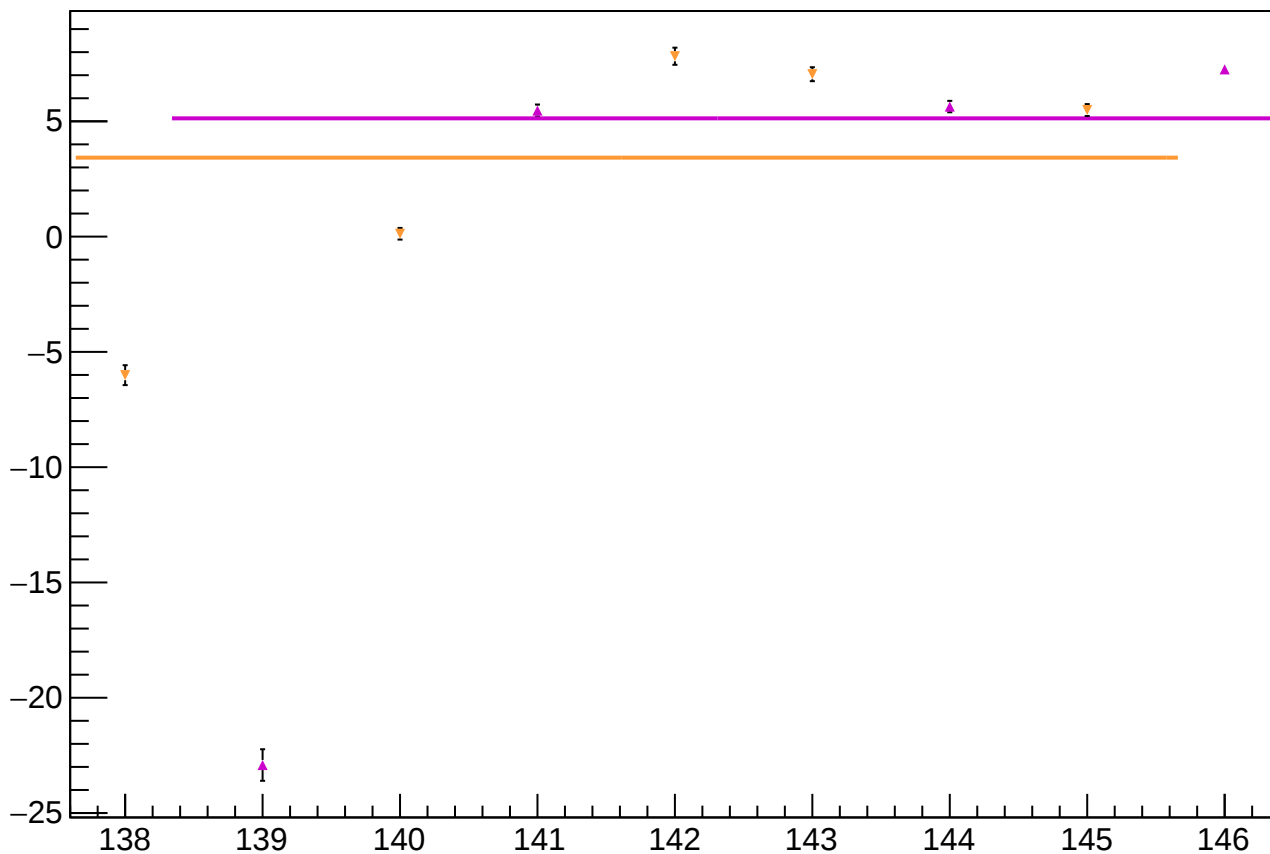
10.149+/-0.170 χ^2/NDF : 858.1/4

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

7.426+/-0.178 χ^2/NDF : 95.2/3

Left In: 7.426+/-0.178 χ^2/NDF : 95.2/3

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 3.424+/-0.136 χ^2/NDF : 995.7/4

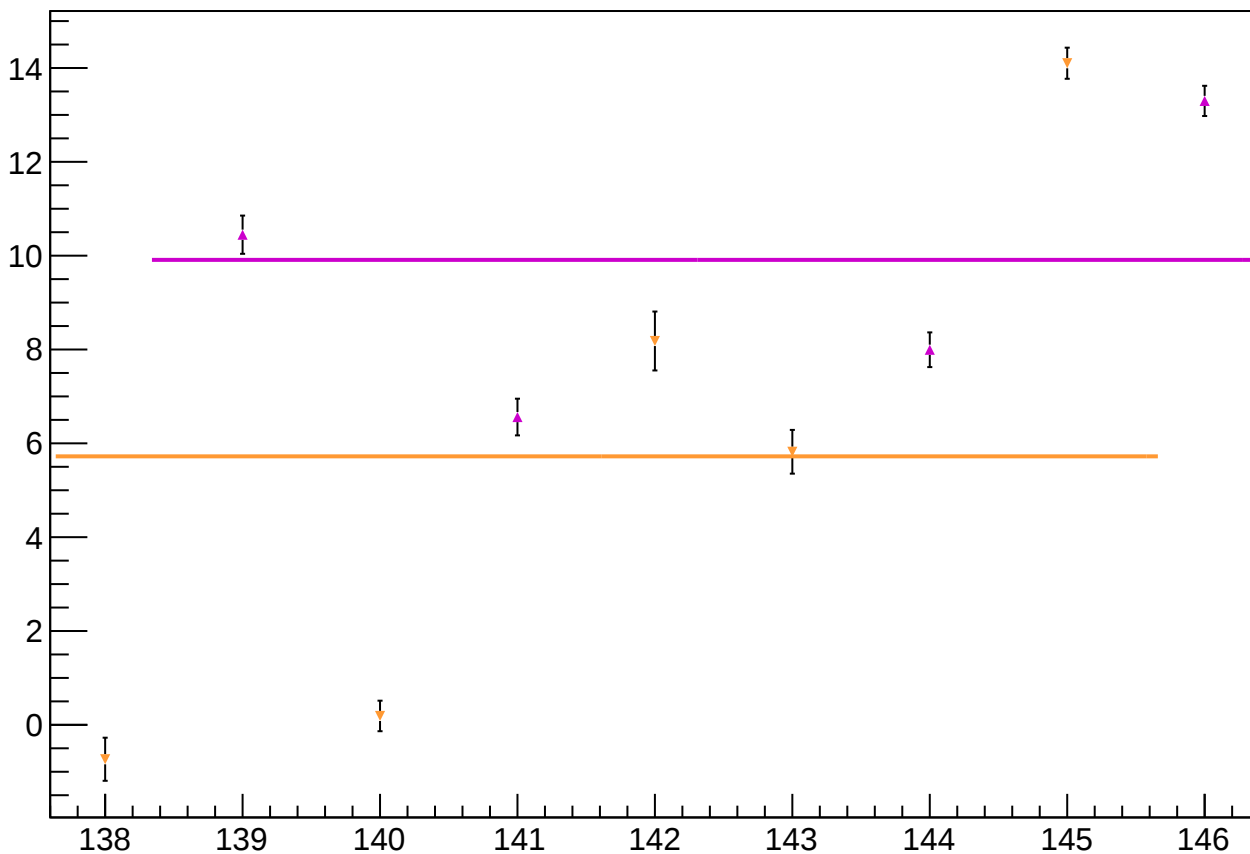
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 5.129+/-0.135 χ^2/NDF : 1784.5/3

3.424+/-0.136 χ^2/NDF : 995.7/4

5.129+/-0.135 χ^2/NDF : 1784.5/3

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug

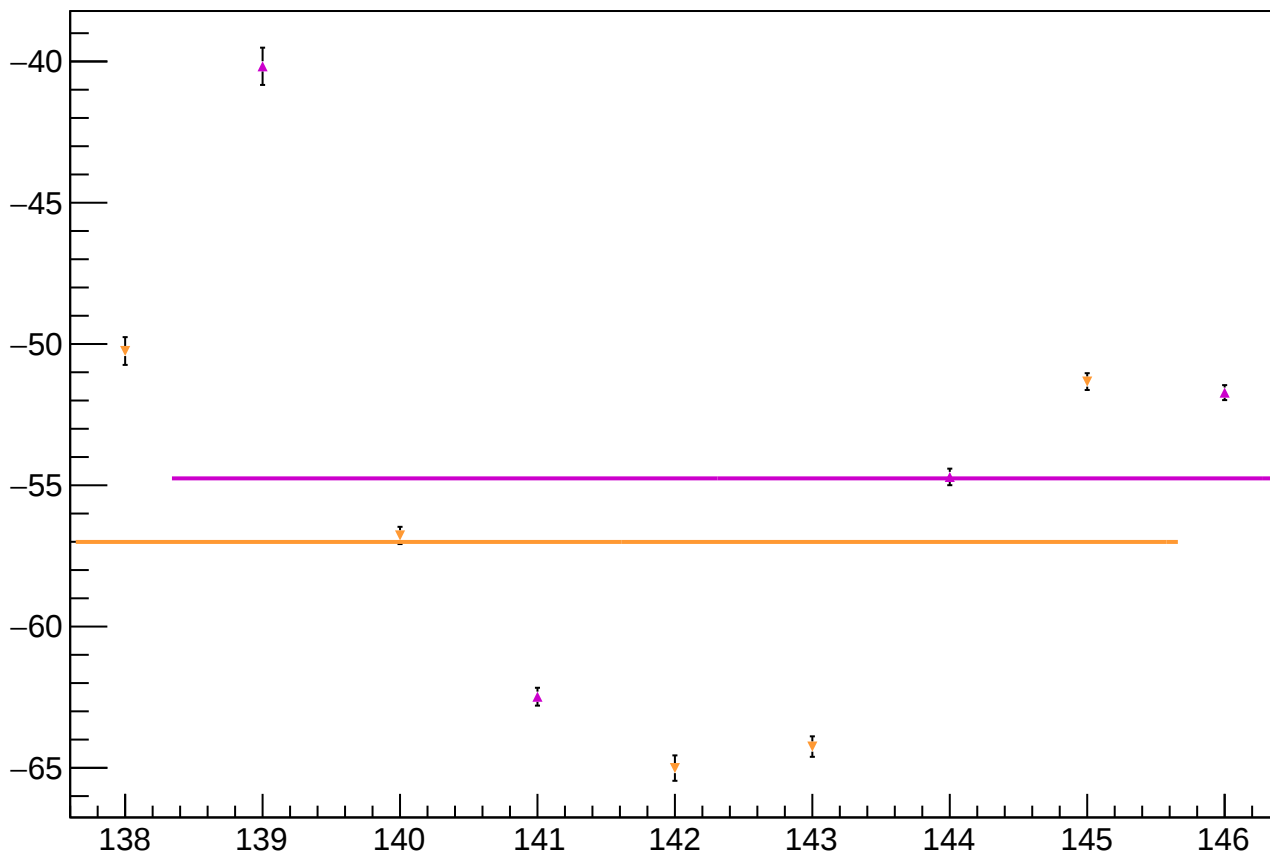


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 5.723+/-0.181 χ^2/NDF :1140.6/4
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 9.910+/-0.184 χ^2/NDF :212.6/3

5.723+/-0.181 χ^2/NDF : 1140.6/4

9.910+/-0.184 χ^2/NDF : 212.6/3

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: -57.005+/-0.161 χ^2/NDF : 1270.2/4

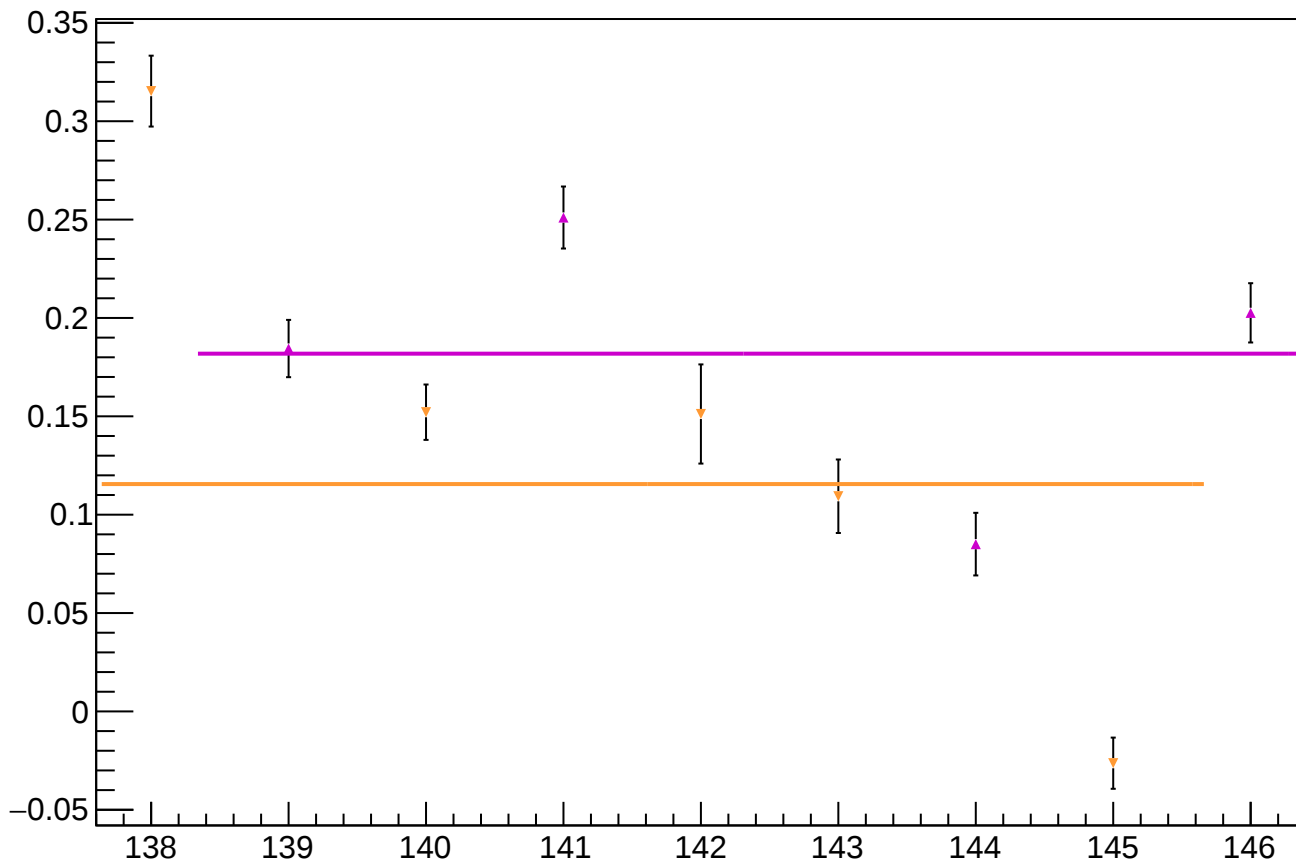
-57.005+/-0.161 χ^2/NDF : 1270.2/4

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

Left In: -54.756+/-0.162 χ^2/NDF : 1218.6/3

-54.756+/-0.162 χ^2/NDF : 1218.6/3

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: 0.116 $\pm$ 0.007 χ^2 /NDF:250.7/4

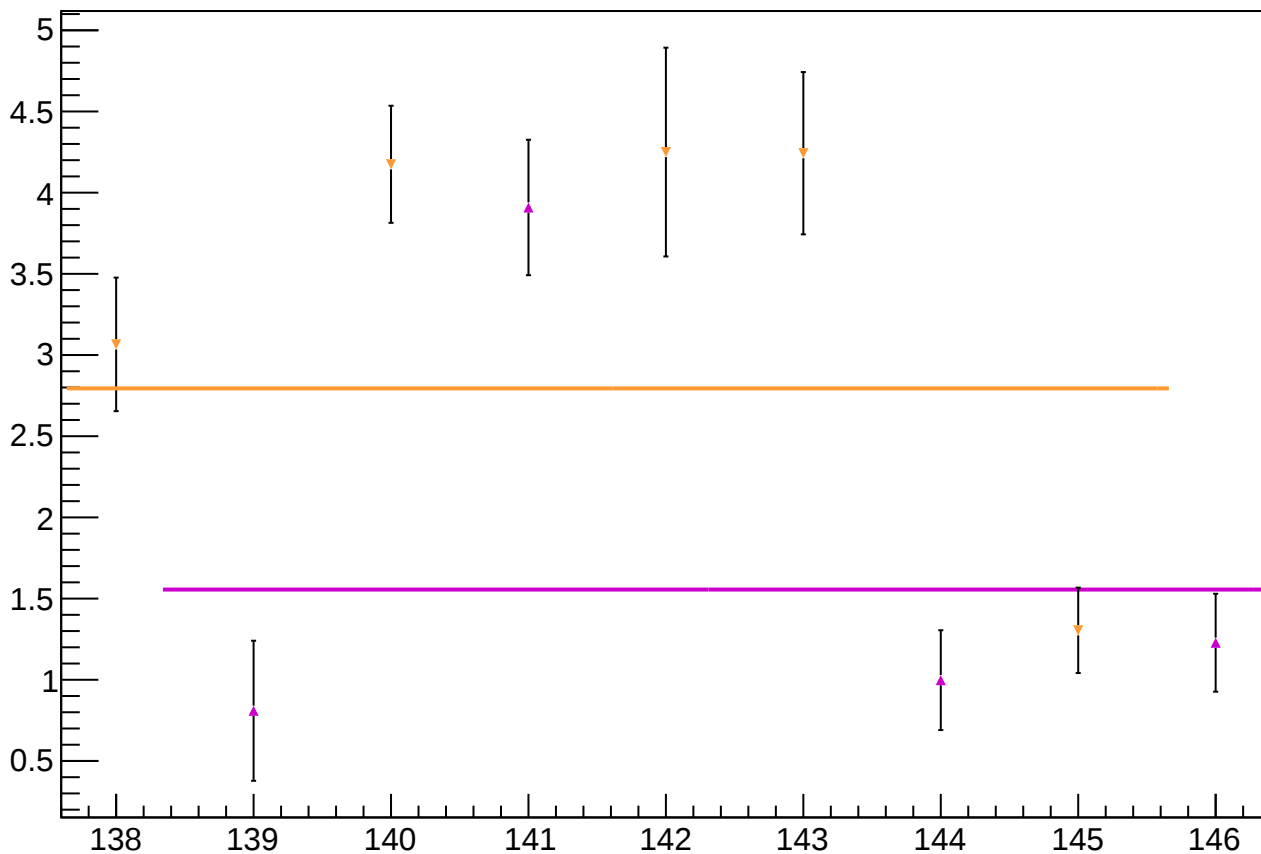
0.116 $\pm$ 0.007 χ^2 /NDF: 250.7/4

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

0.182 $\pm$ 0.008 χ^2 /NDF: 58.2/3

Left In: 0.182 $\pm$ 0.008 χ^2 /NDF:58.2/3

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: 2.794 $\pm$ 0.170 χ^2 /NDF:60.7/4

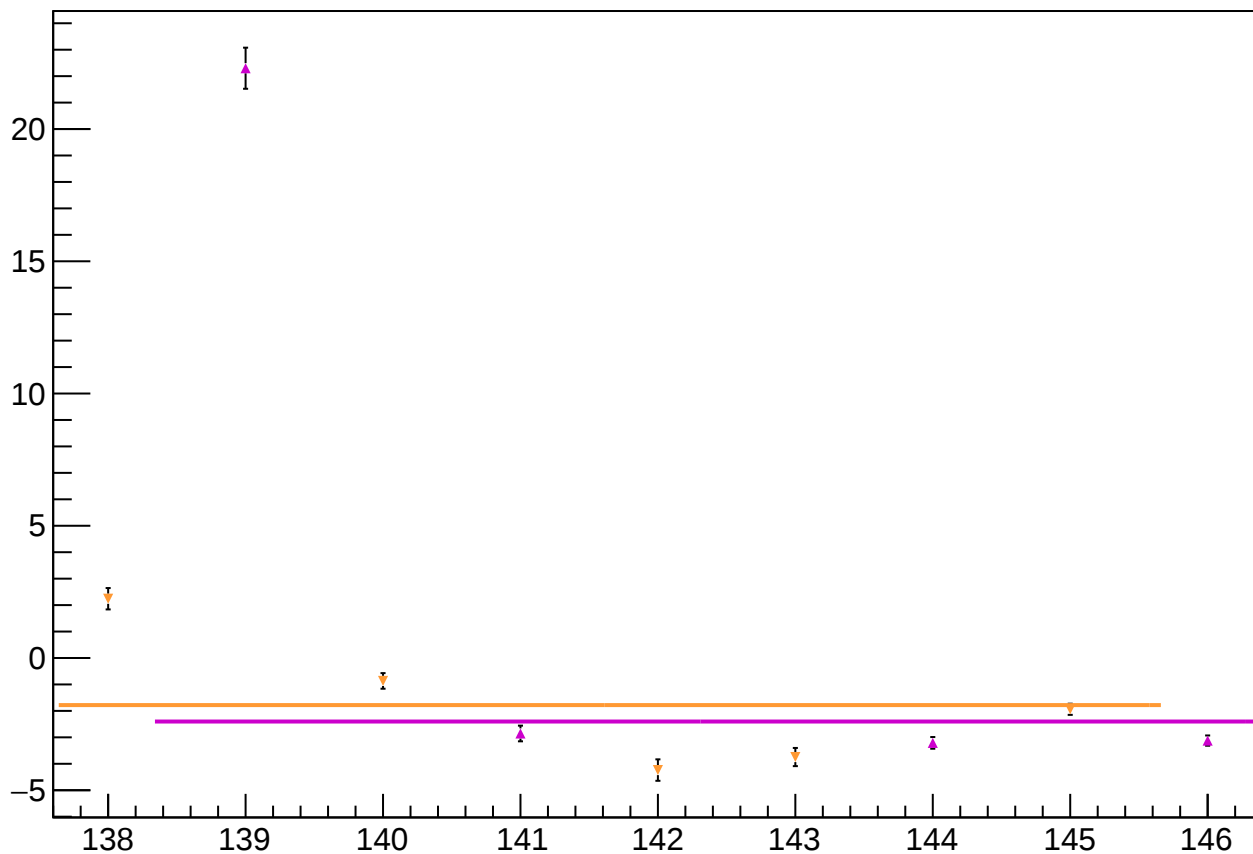
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 1.556 $\pm$ 0.175 χ^2 /NDF:39.3/3

2.794 $\pm$ 0.170 χ^2 /NDF: 60.7/4

1.556 $\pm$ 0.175 χ^2 /NDF: 39.3/3

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



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

Left Out: -1.781+/-0.135 χ^2/NDF : 178.5/4

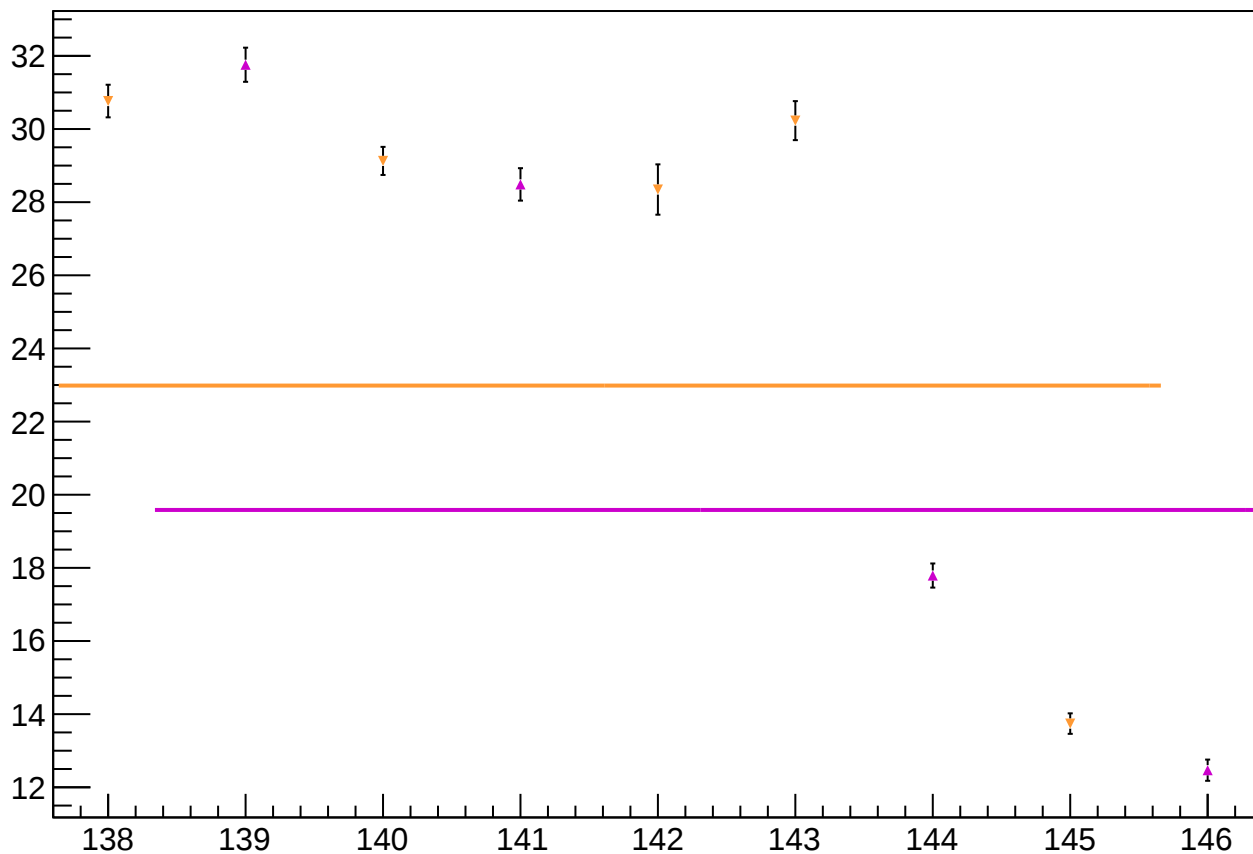
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2.402+/-0.129 χ^2/NDF : 1039.8/3

-1.781+/-0.135 χ^2/NDF : 178.5/4

-2.402+/-0.129 χ^2/NDF : 1039.8/3

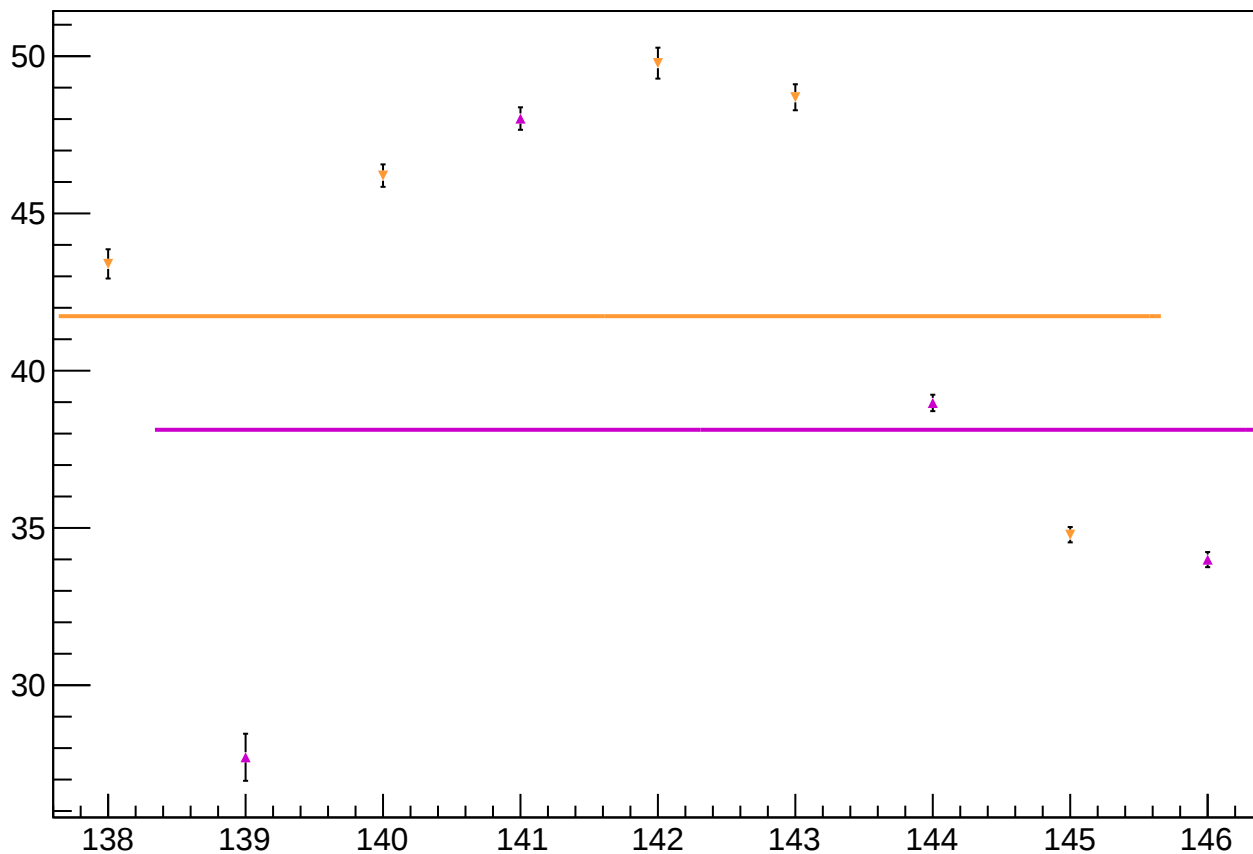
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 22.985+/-0.182 χ^2/NDF :1892.7/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 19.584+/-0.180 χ^2/NDF :1714.3/3

22.985+/-0.182 χ^2/NDF : 1892.7/4
 19.584+/-0.180 χ^2/NDF : 1714.3/3

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: 41.733+/-0.160 χ^2/NDF :1531.6/4

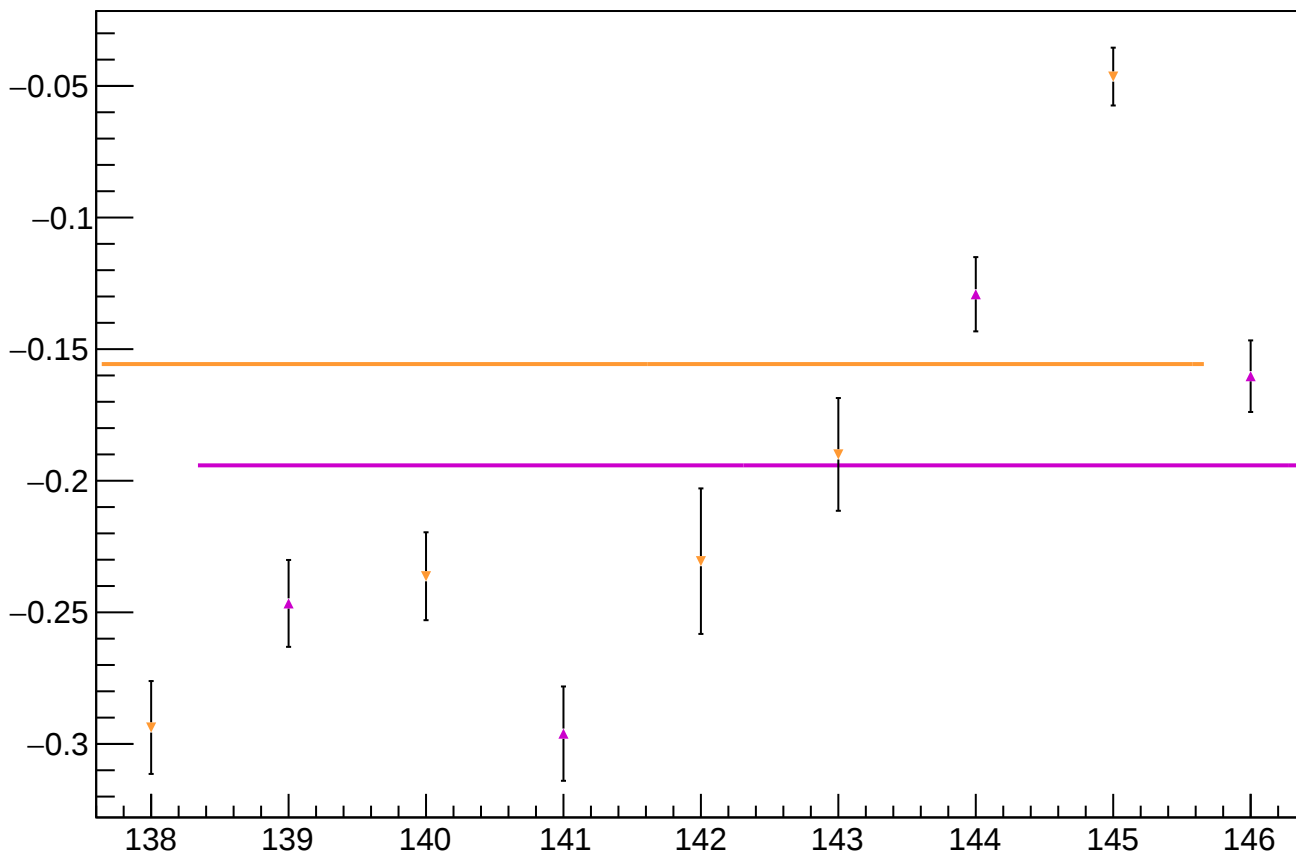
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 38.121+/-0.155 χ^2/NDF :1265.0/3

41.733+/-0.160 χ^2/NDF : 1531.6/4

38.121+/-0.155 χ^2/NDF : 1265.0/3

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.156+/-0.007 χ^2/NDF : 193.3/4

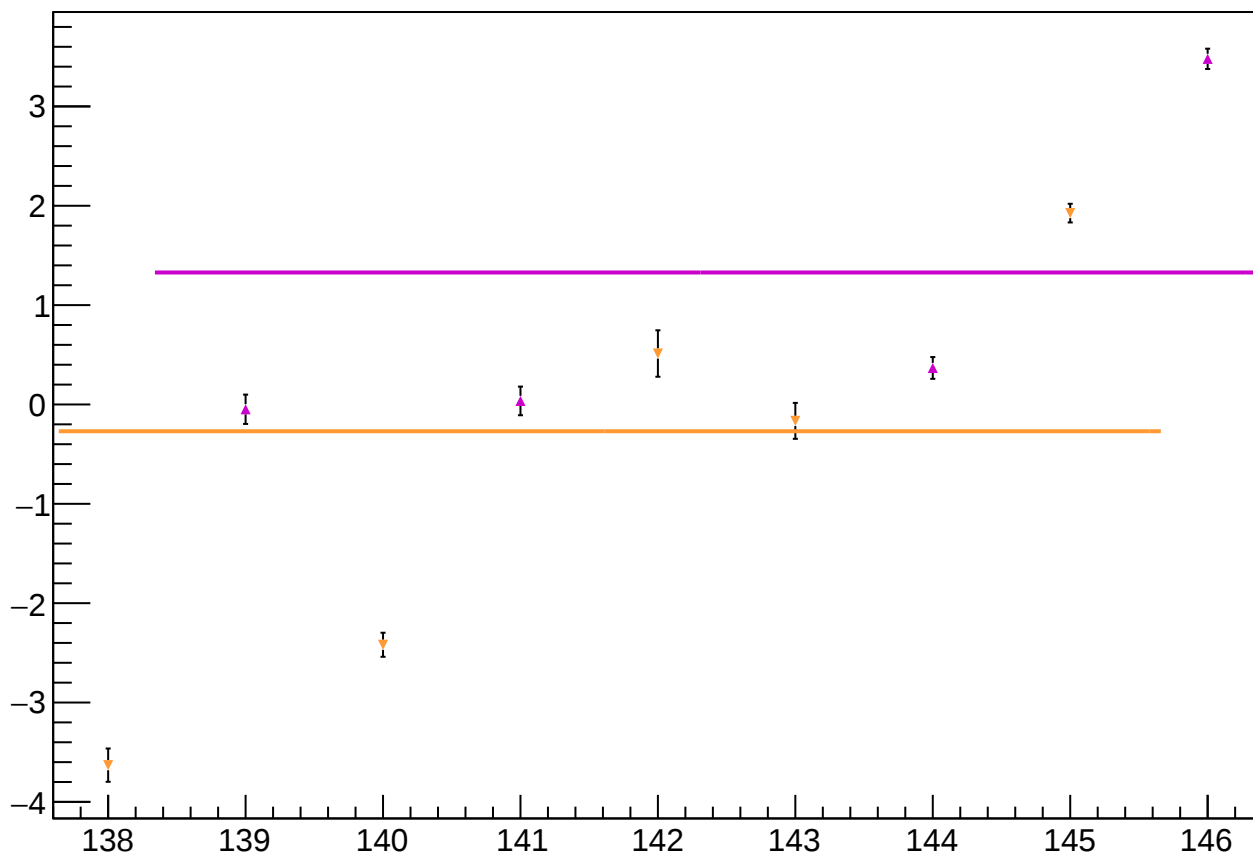
-0.156+/-0.007 χ^2/NDF : 193.3/4

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

-0.194+/-0.008 χ^2/NDF : 69.9/3

Left In: -0.194+/-0.008 χ^2/NDF : 69.9/3

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.269 $\pm$ 0.061 χ^2 /NDF:1275.0/4

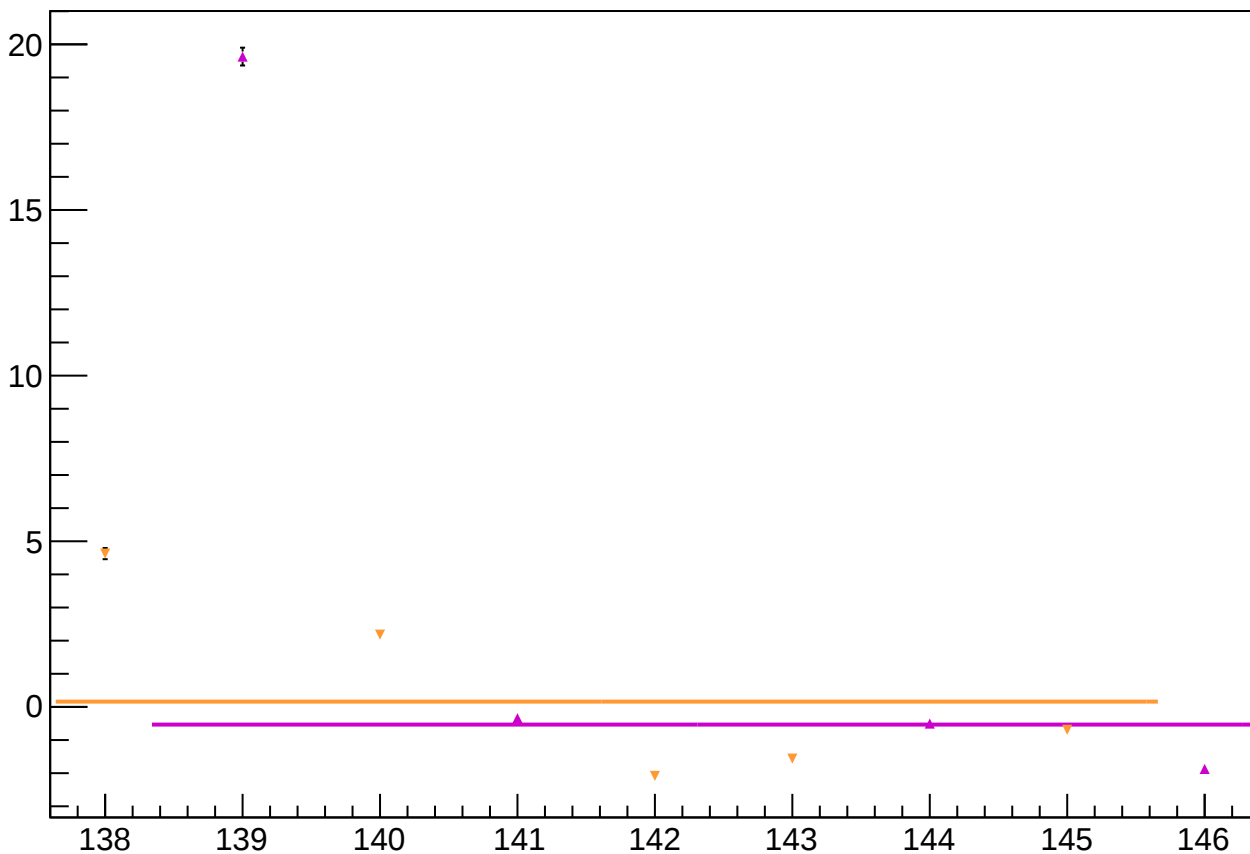
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 1.328 $\pm$ 0.061 χ^2 /NDF:686.5/3

-0.269 $\pm$ 0.061 χ^2 /NDF: 1275.0/4

1.328 $\pm$ 0.061 χ^2 /NDF: 686.5/3

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 0.160 ± 0.049 $\chi^2/\text{NDF}: 1648.5/4$

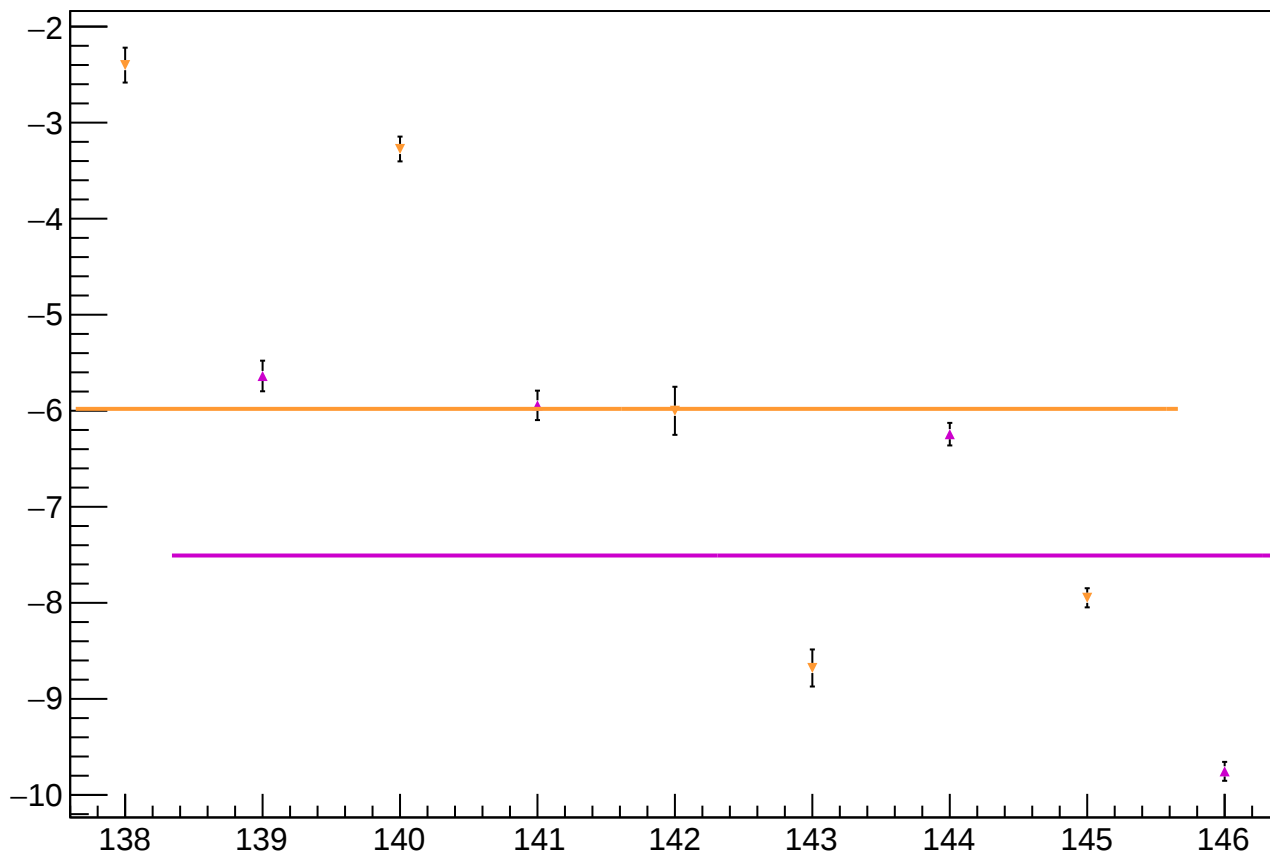
Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -0.533 ± 0.045 $\chi^2/\text{NDF}: 6026.2/3$

0.160 ± 0.049 $\chi^2/\text{NDF}: 1648.5/4$

-0.533 ± 0.045 $\chi^2/\text{NDF}: 6026.2/3$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: -5.980+/-0.065 χ^2/NDF : 1413.5/4

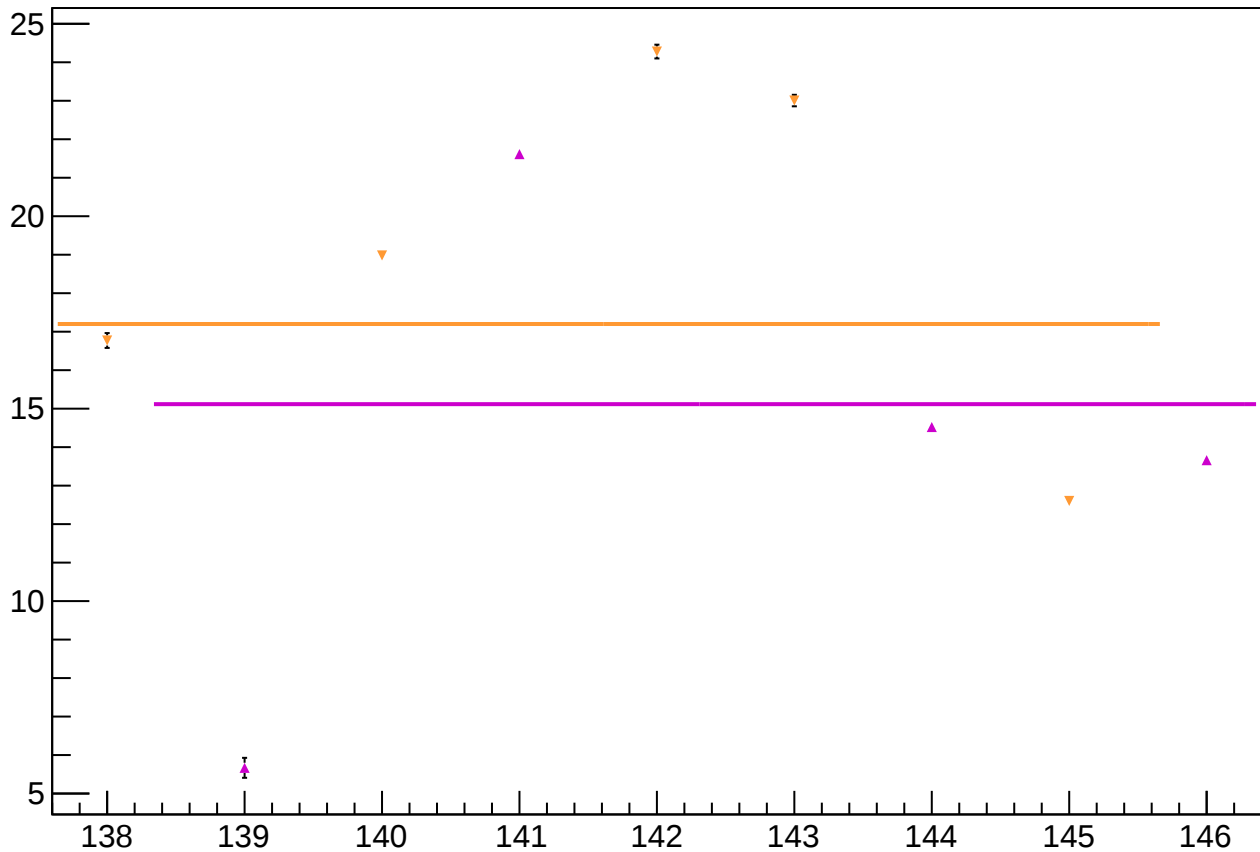
-5.980+/-0.065 χ^2/NDF : 1413.5/4

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

-7.507+/-0.062 χ^2/NDF : 878.0/3

Left In: -7.507+/-0.062 χ^2/NDF : 878.0/3

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 17.200+/-0.058 χ^2/NDF : 5998.3/4

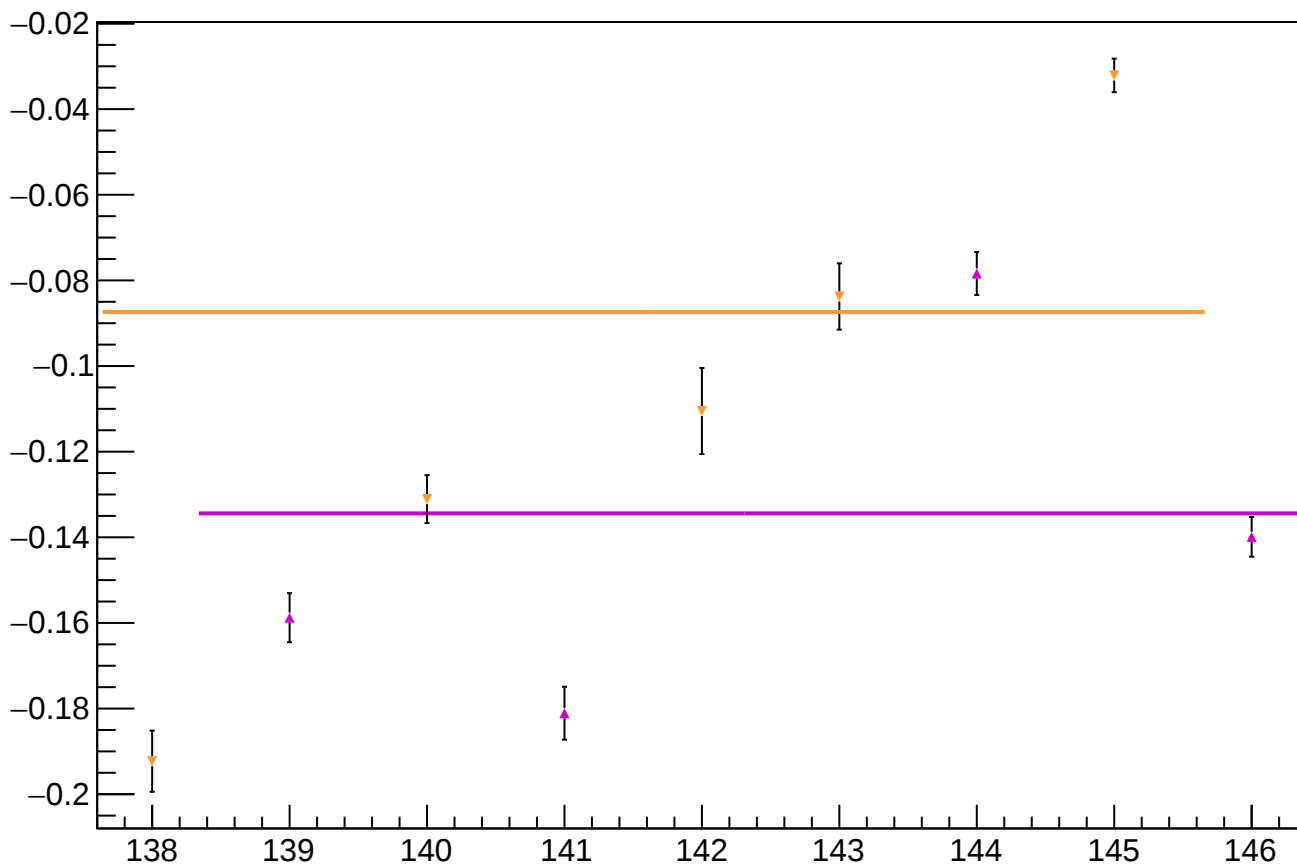
17.200+/-0.058 χ^2/NDF : 5998.3/4

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

Left In: 15.117+/-0.054 χ^2/NDF : 4435.6/3

15.117+/-0.054 χ^2/NDF : 4435.6/3

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: -0.087 $\pm$ 0.003 χ^2 /NDF: 482.1/4

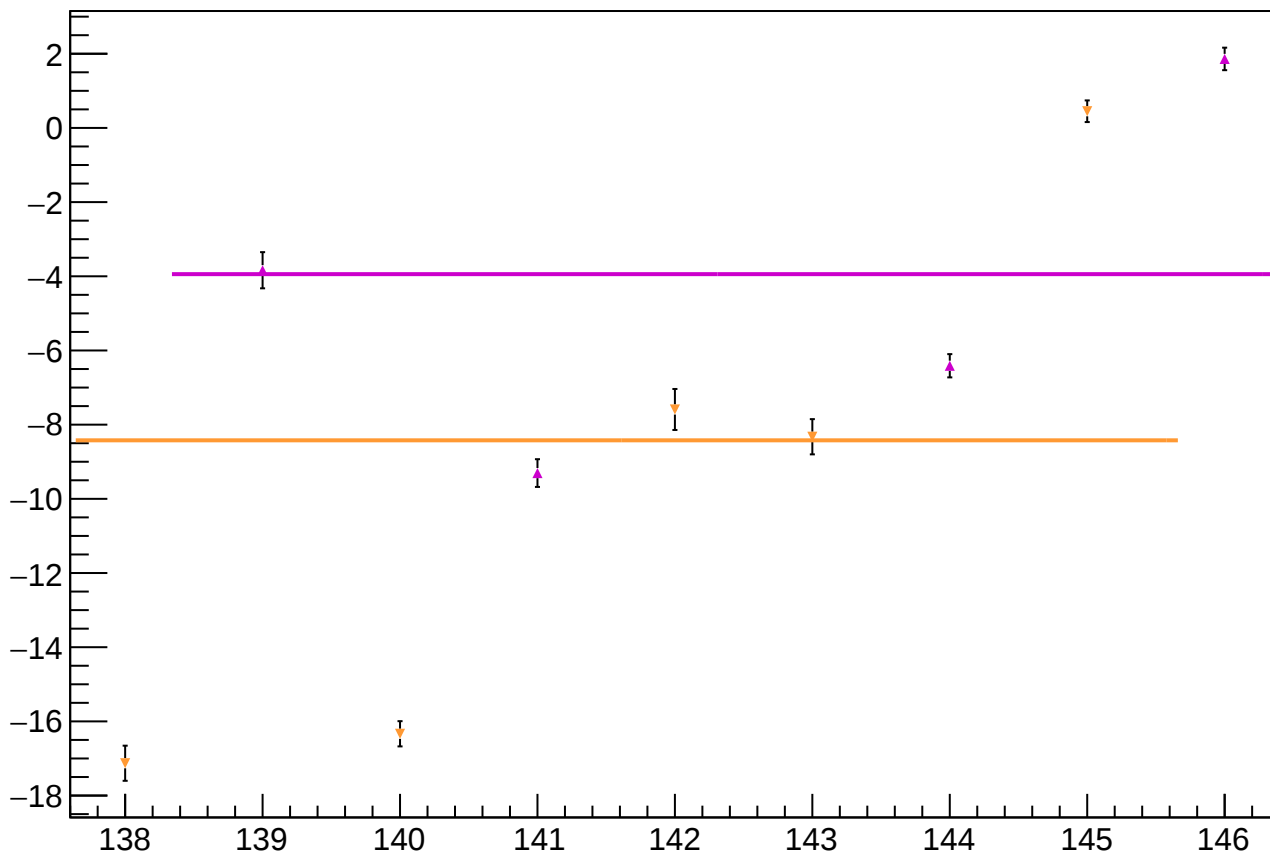
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.134 $\pm$ 0.003 χ^2 /NDF: 200.7/3

-0.087 $\pm$ 0.003 χ^2 /NDF: 482.1/4

-0.134 $\pm$ 0.003 χ^2 /NDF: 200.7/3

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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

Left Out: -8.423+/-0.175 χ^2/NDF : 1805.3/4

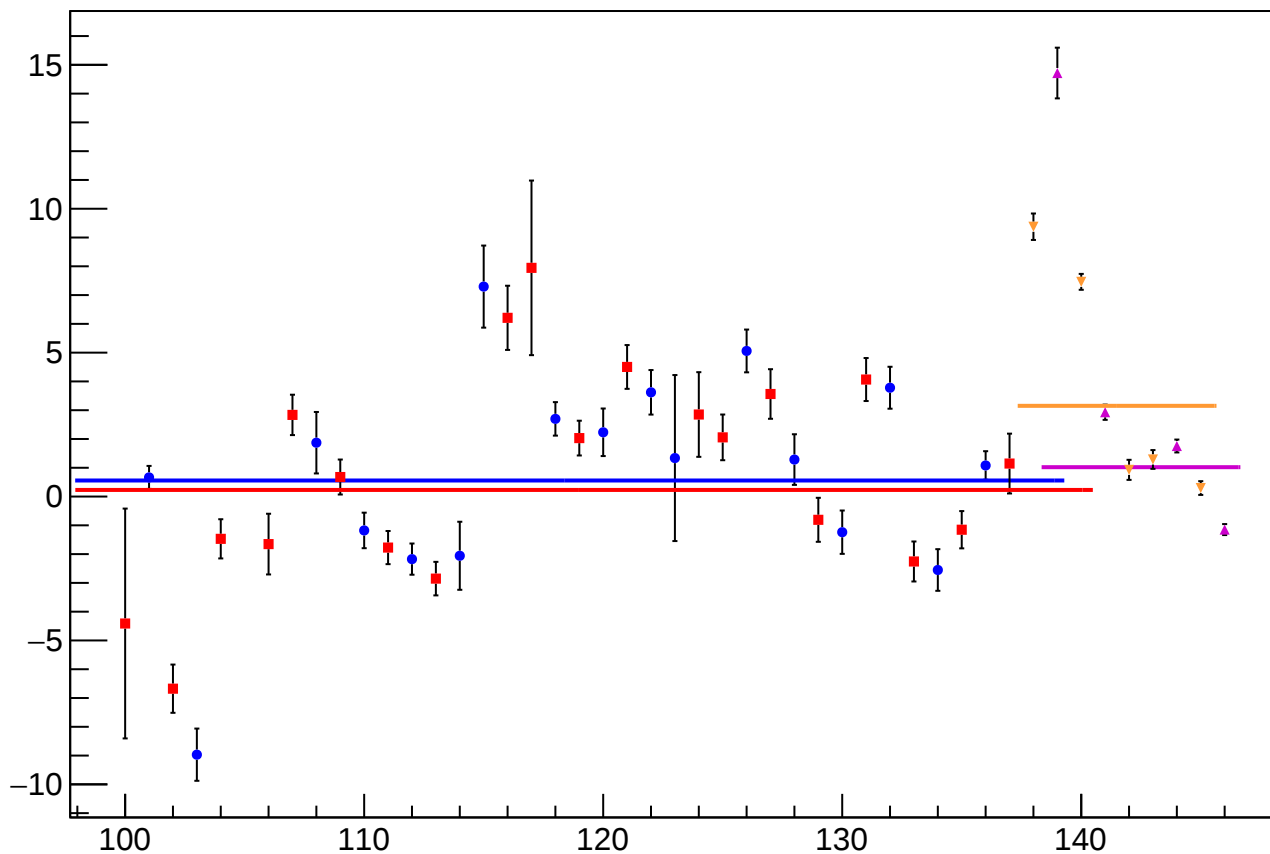
-8.423+/-0.175 χ^2/NDF : 1805.3/4

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

Left In: -3.942+/-0.176 χ^2/NDF : 633.6/3

-3.942+/-0.176 χ^2/NDF : 633.6/3

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 3.152 ± 0.137 χ^2/NDF : 643.1/4

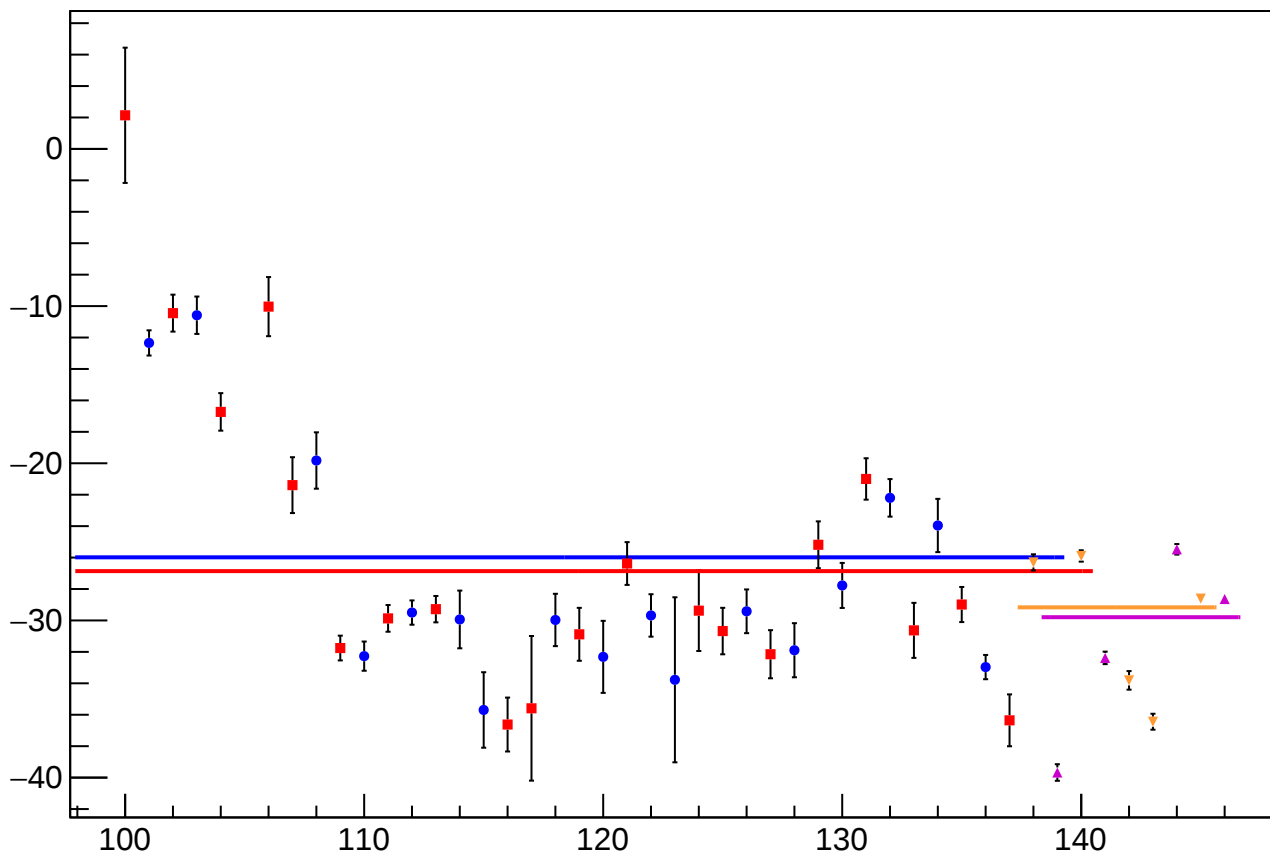
Right Out: 0.230 ± 0.174 χ^2/NDF : 278.5/19

Left In: 1.020 ± 0.126 χ^2/NDF : 433.1/3

2.129 ± 0.107 χ^2/NDF : 1071.8/21

0.749 ± 0.102 χ^2/NDF : 725.2/23

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -29.167 ± 0.187 χ^2/NDF : 383.7/4

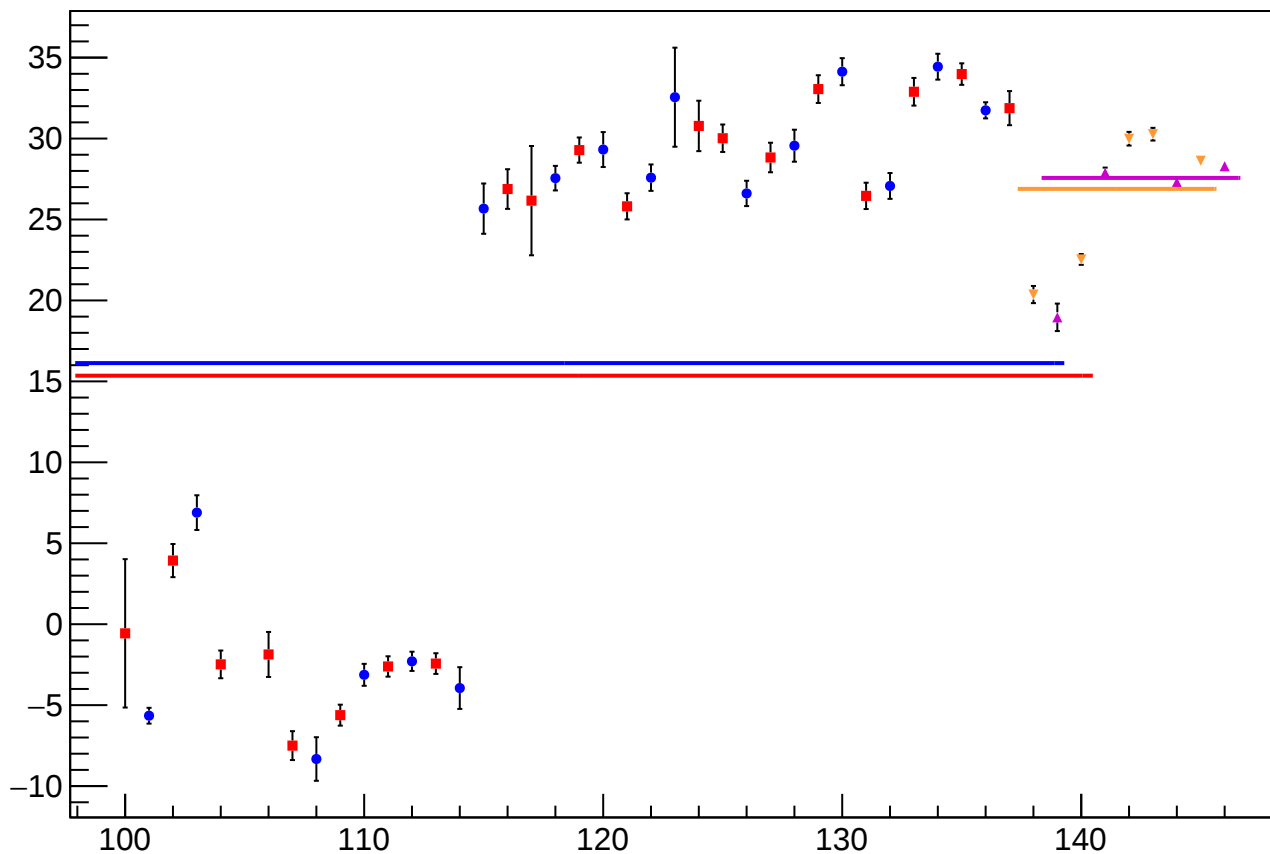
Right Out: -26.861 ± 0.297 χ^2/NDF : 585.2/19

Left In: -29.794 ± 0.181 χ^2/NDF : 573.9/3

-28.279 ± 0.159 χ^2/NDF : 1156.1/21

-29.000 ± 0.155 χ^2/NDF : 1230.2/23

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 26.891 $\pm$ 0.163 χ^2 /NDF: 489.6/4

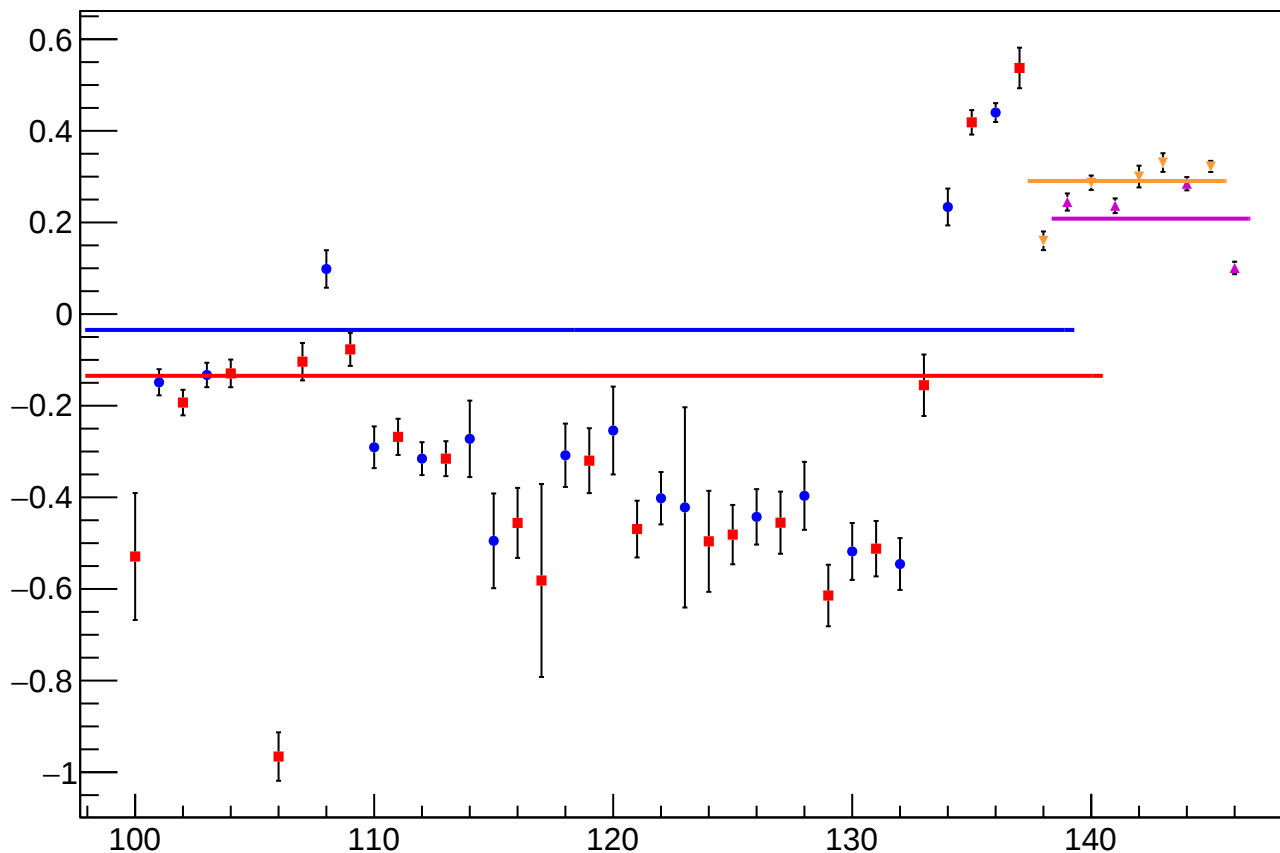
Right Out: 15.352 $\pm$ 0.197 χ^2 /NDF: 7288.4/19

Left In: 27.568 $\pm$ 0.153 χ^2 /NDF: 114.1/3

22.399 $\pm$ 0.124 χ^2 /NDF: 9891.6/21

22.975 $\pm$ 0.121 χ^2 /NDF: 9809.8/23

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035 ± 0.010 $\chi^2/\text{NDF}: 1011.6/16$

Left Out: 0.291 ± 0.008 $\chi^2/\text{NDF}: 52.2/4$

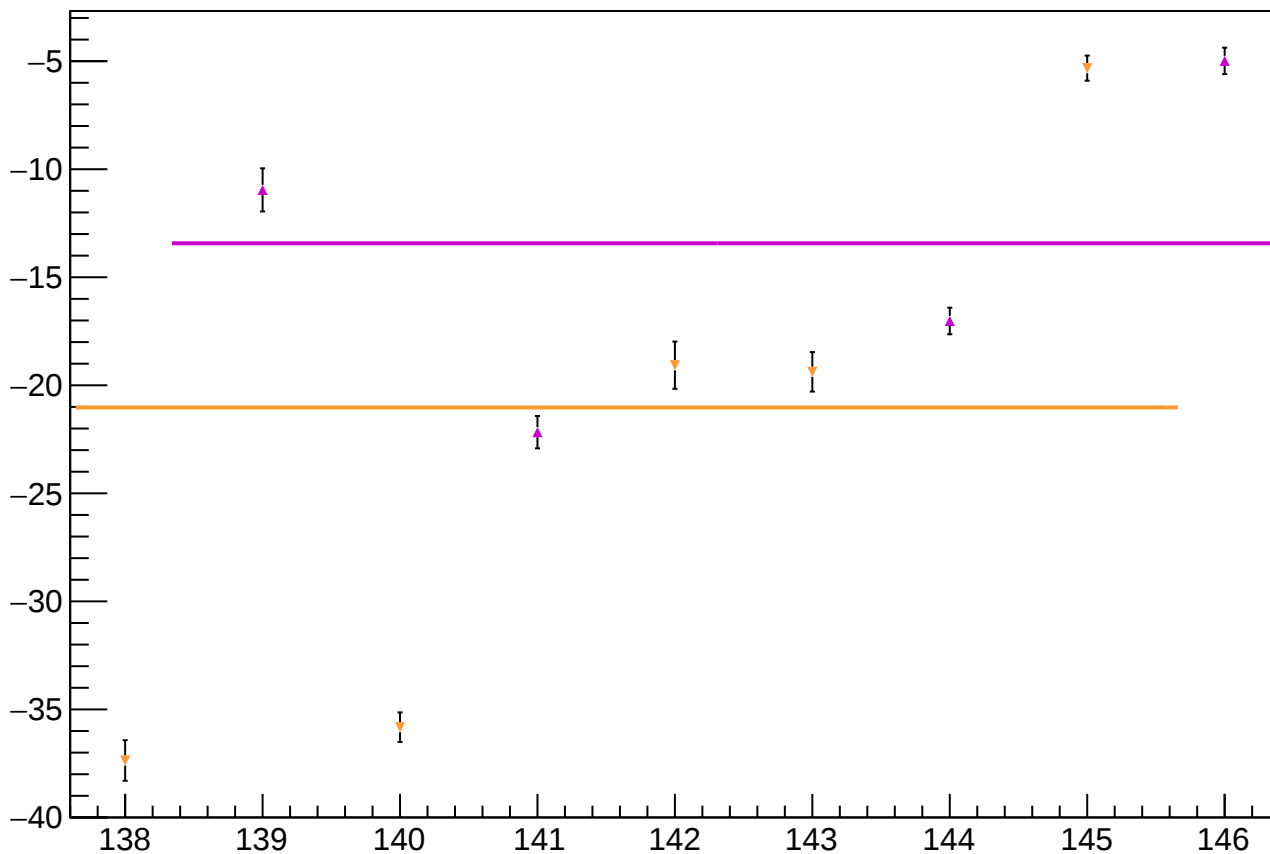
Right Out: -0.135 ± 0.010 $\chi^2/\text{NDF}: 1166.4/19$

Left In: 0.208 ± 0.008 $\chi^2/\text{NDF}: 96.5/3$

0.177 ± 0.006 $\chi^2/\text{NDF}: 1707.6/21$

0.086 ± 0.006 $\chi^2/\text{NDF}: 1968.7/23$

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -21.026+/-0.348 χ^2/NDF : 1505.3/4

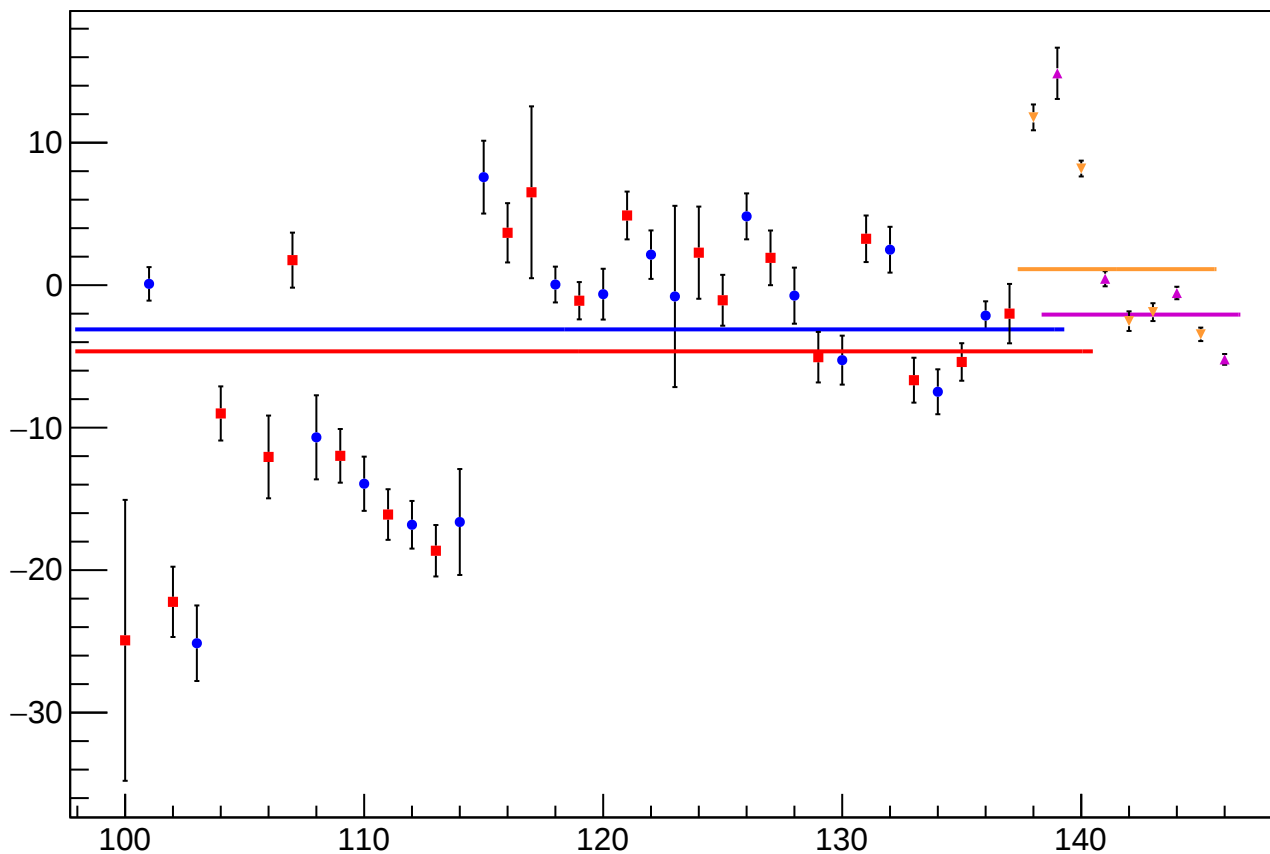
-21.026+/-0.348 χ^2/NDF : 1505.3/4

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

-13.427+/-0.351 χ^2/NDF : 368.0/3

Left In: -13.427+/-0.351 χ^2/NDF : 368.0/3

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: 1.124 ± 0.271 χ^2/NDF : 444.7/4

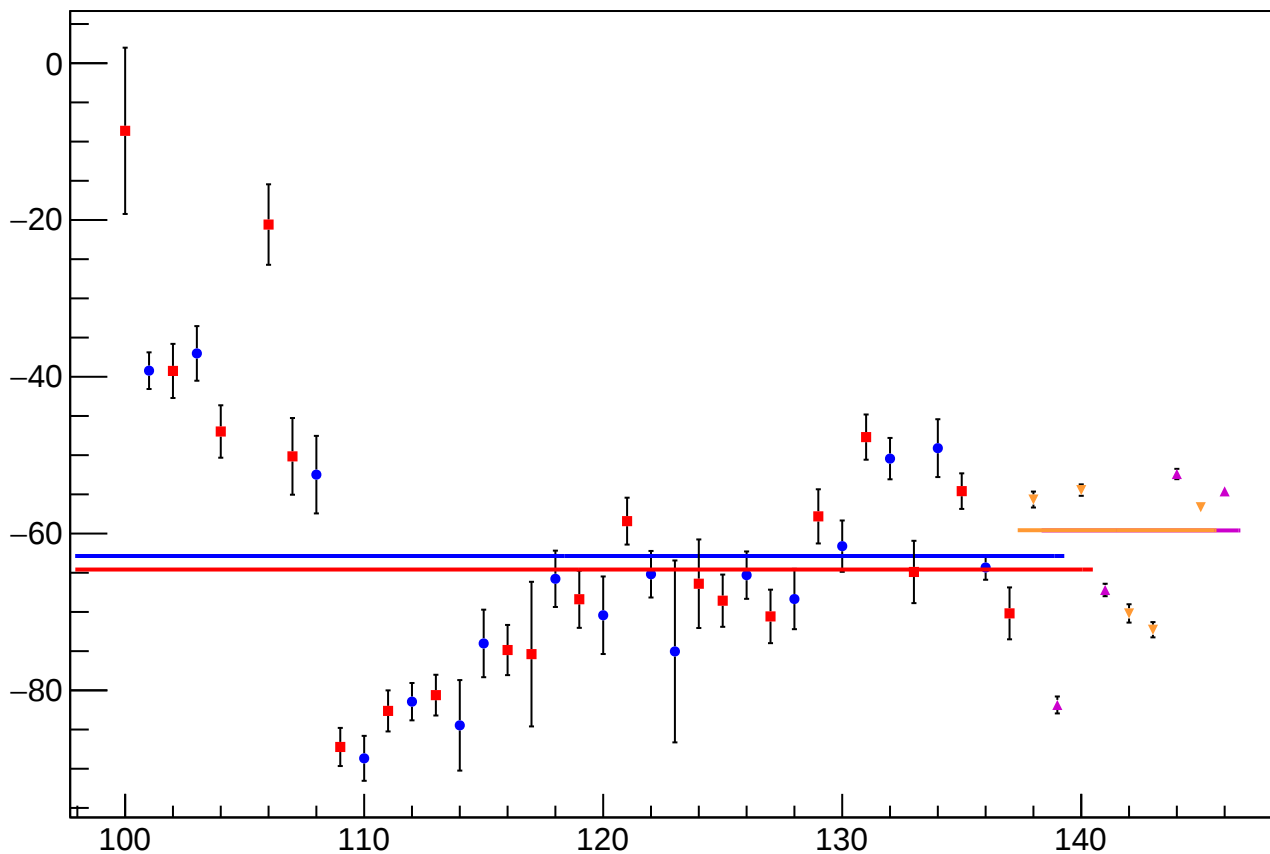
Right Out: -4.645 ± 0.425 χ^2/NDF : 301.1/19

Left In: -2.065 ± 0.249 χ^2/NDF : 192.4/3

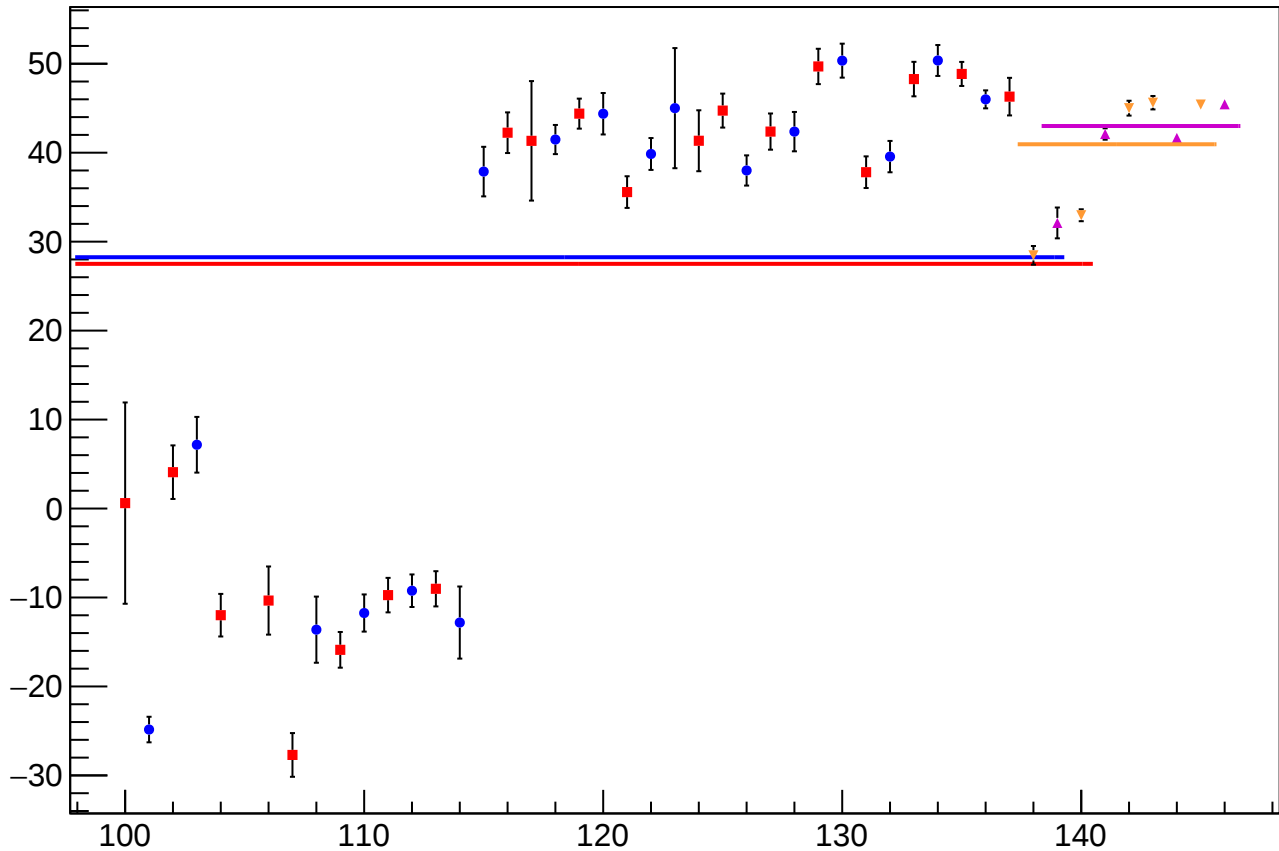
-0.158 ± 0.226 χ^2/NDF : 797.6/21

-2.725 ± 0.215 χ^2/NDF : 520.8/23

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 ± 0.460 χ^2/NDF : 3319.5/16

Left Out: 40.947 ± 0.321 χ^2/NDF : 412.1/4

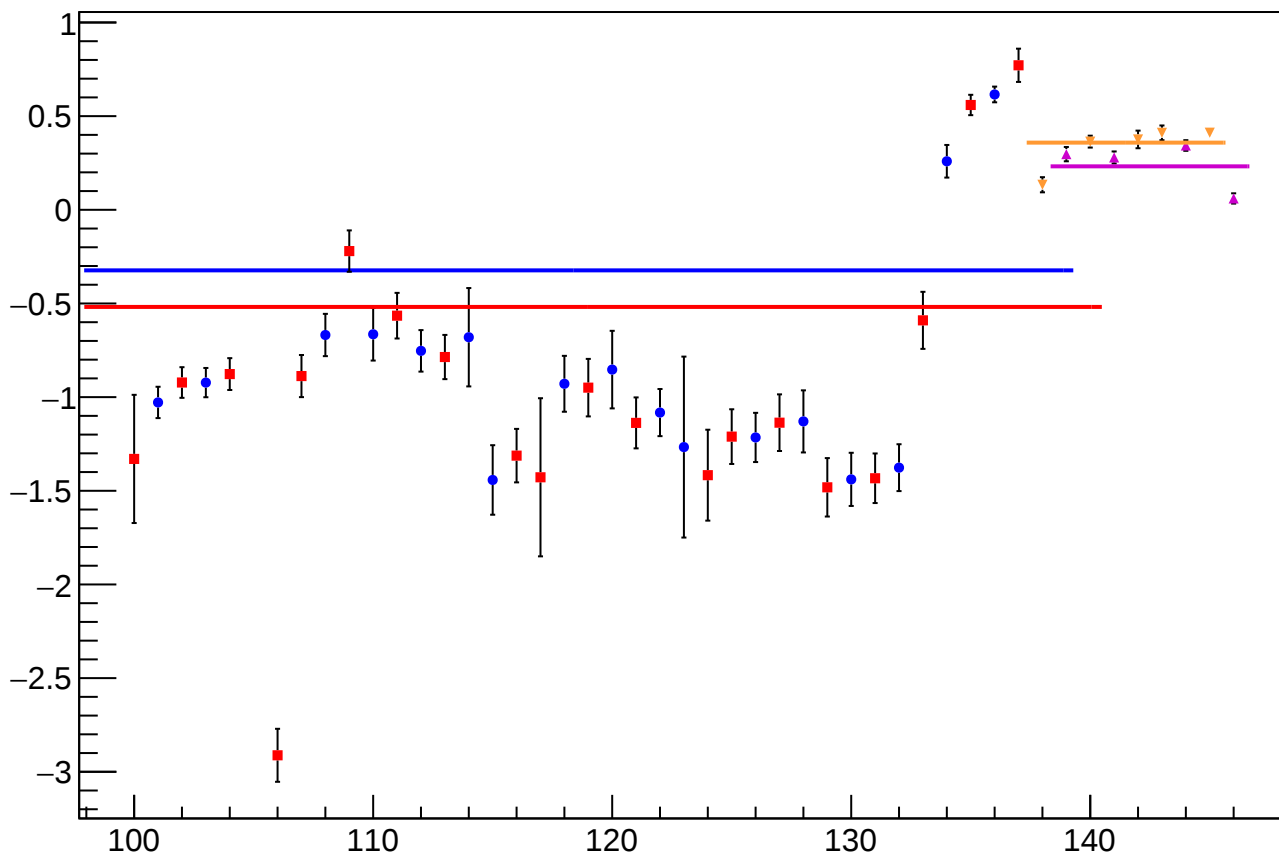
Right Out: 27.505 ± 0.478 χ^2/NDF : 3036.7/19

Left In: 42.999 ± 0.303 χ^2/NDF : 74.5/3

36.785 ± 0.263 χ^2/NDF : 4243.5/21

38.553 ± 0.256 χ^2/NDF : 3861.7/23

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.359 ± 0.015 χ^2/NDF : 37.7/4

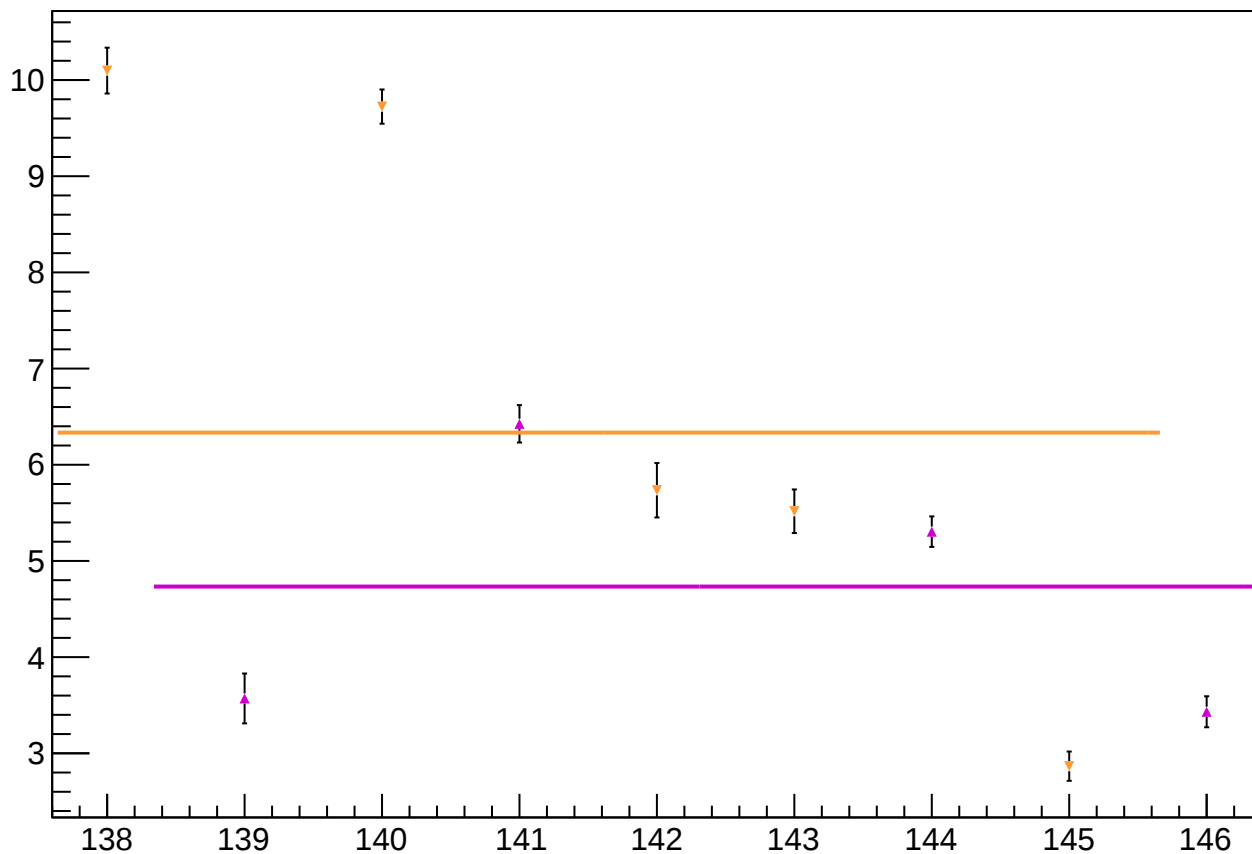
Right Out: -0.518 ± 0.026 χ^2/NDF : 1165.5/19

Left In: 0.232 ± 0.015 χ^2/NDF : 59.4/3

0.177 ± 0.013 χ^2/NDF : 1596.0/21

0.034 ± 0.013 χ^2/NDF : 1851.8/23

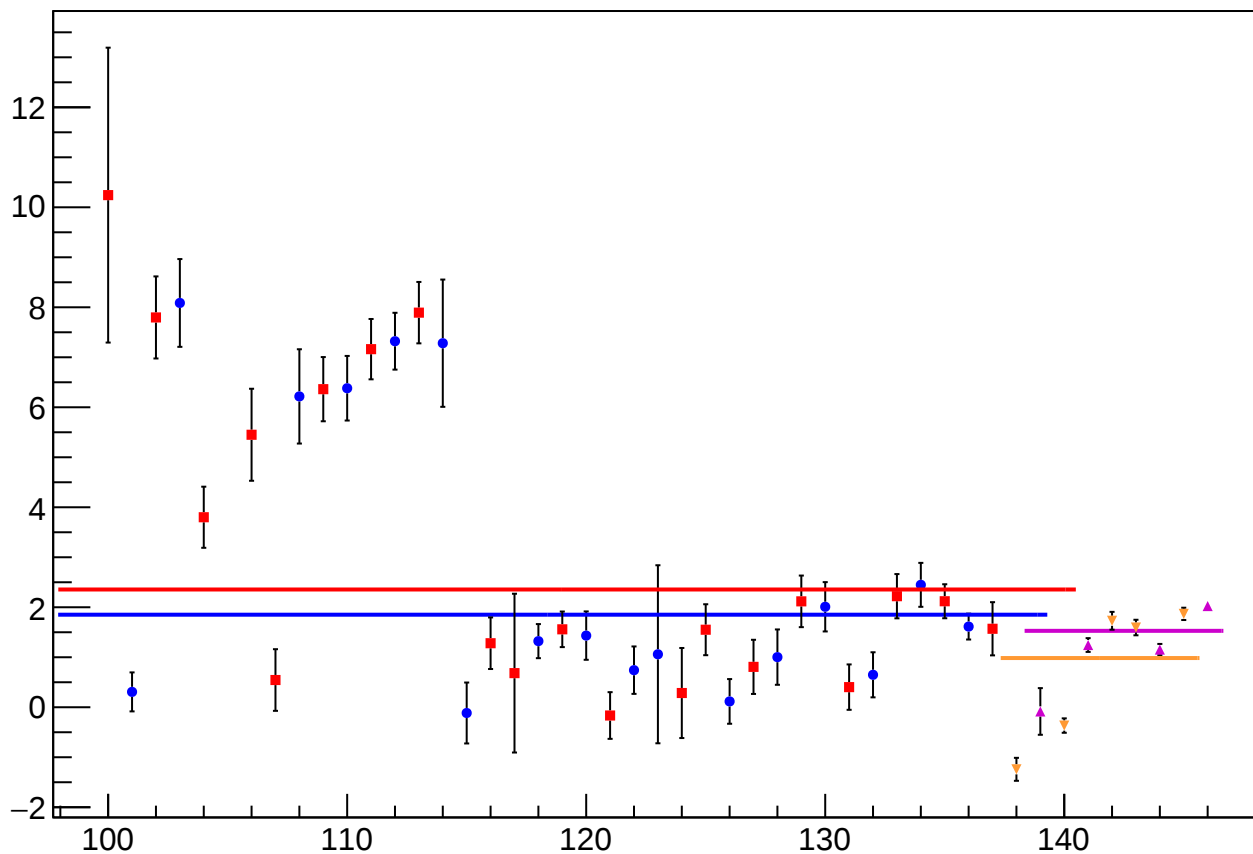
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.334 $\pm$ 0.090 χ^2 /NDF:1149.0/4
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.734 $\pm$ 0.091 χ^2 /NDF:174.1/3

6.334 $\pm$ 0.090 χ^2 /NDF: 1149.0/4
 4.734 $\pm$ 0.091 χ^2 /NDF: 174.1/3

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: 0.984 ± 0.070 χ^2/NDF : 266.1/4

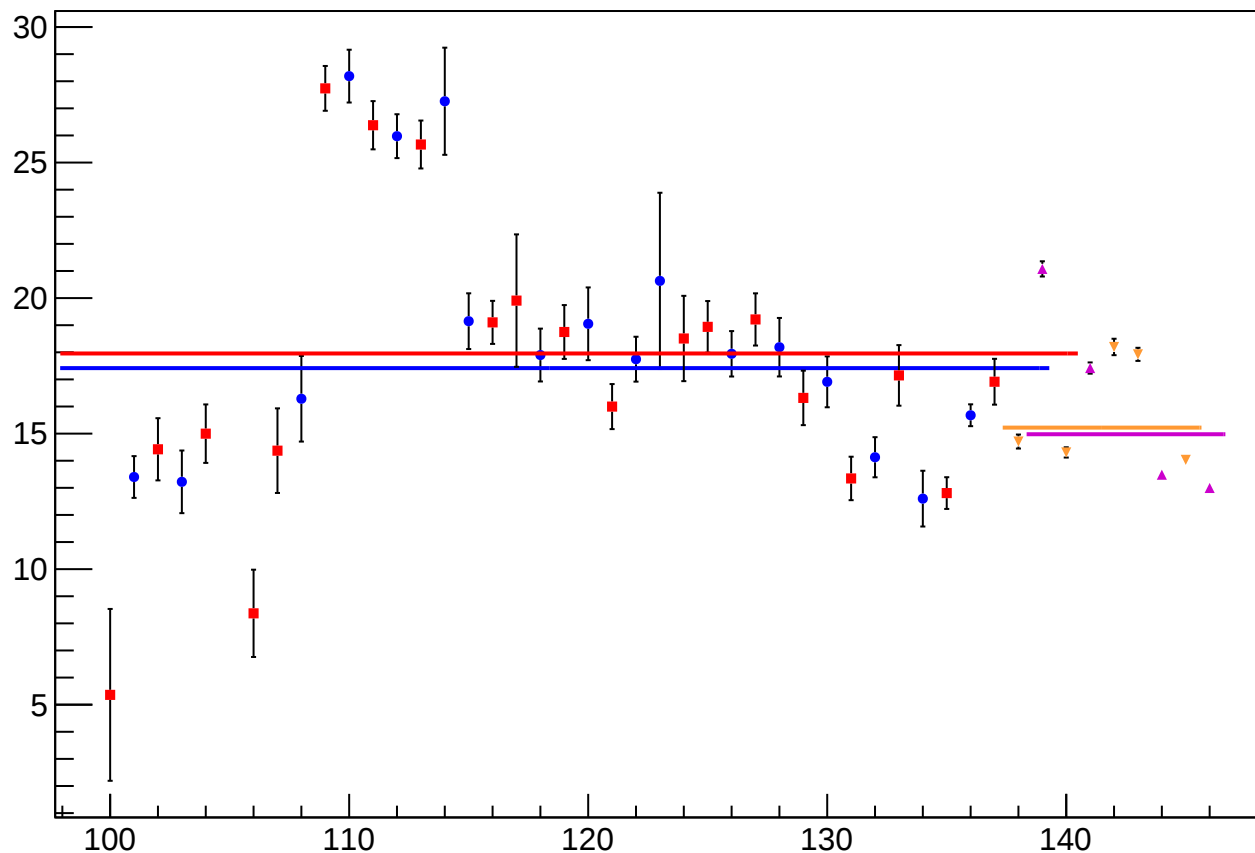
Right Out: 2.355 ± 0.122 χ^2/NDF : 337.4/19

Left In: 1.528 ± 0.065 χ^2/NDF : 52.9/3

1.211 ± 0.060 χ^2/NDF : 600.7/21

1.709 ± 0.057 χ^2/NDF : 426.0/23

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 ± 0.213 $\chi^2/\text{NDF}: 367.0/16$

Left Out: 15.222 ± 0.096 $\chi^2/\text{NDF}: 302.9/4$

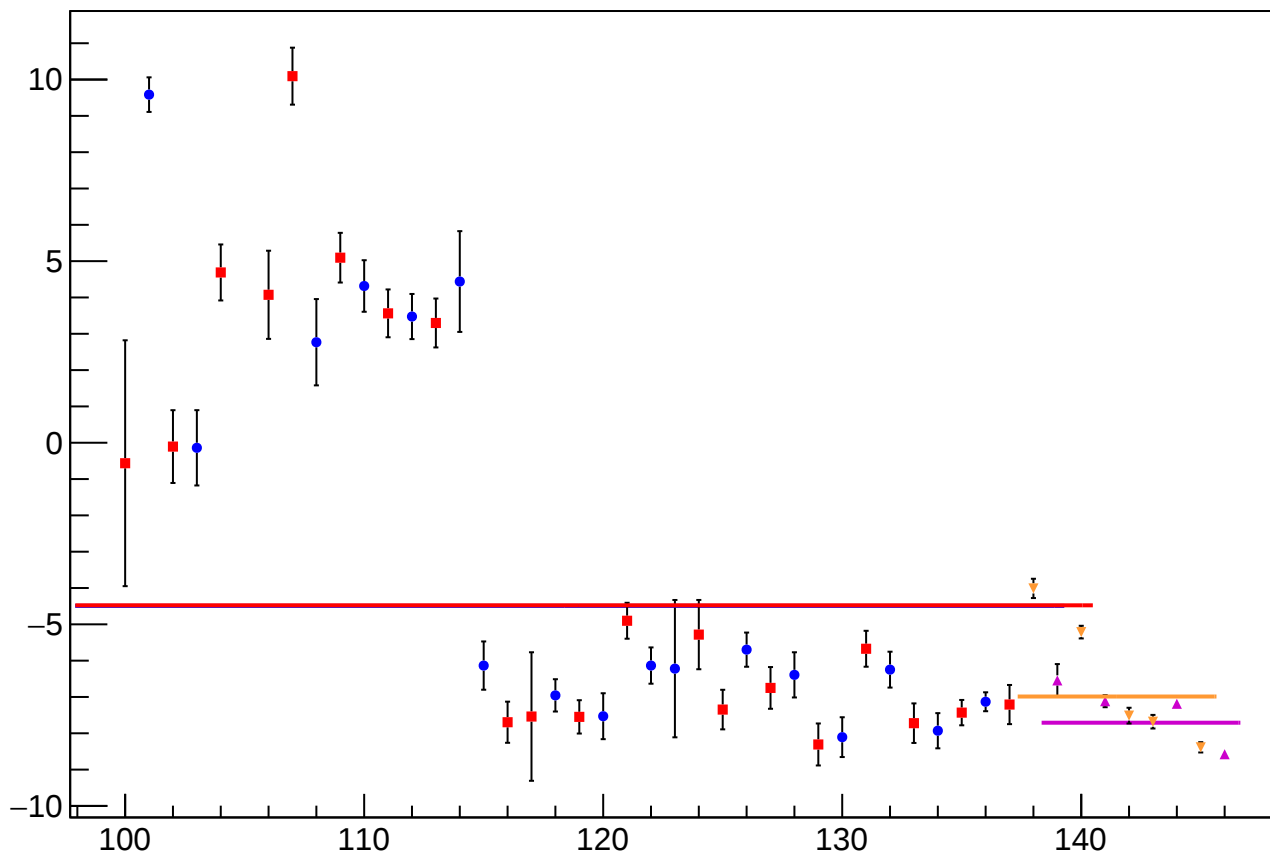
Right Out: 17.957 ± 0.218 $\chi^2/\text{NDF}: 506.2/19$

Left In: 14.977 ± 0.094 $\chi^2/\text{NDF}: 853.3/3$

15.592 ± 0.087 $\chi^2/\text{NDF}: 758.5/21$

15.446 ± 0.087 $\chi^2/\text{NDF}: 1516.6/23$

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: -6.988 ± 0.083 χ^2/NDF : 345.6/4

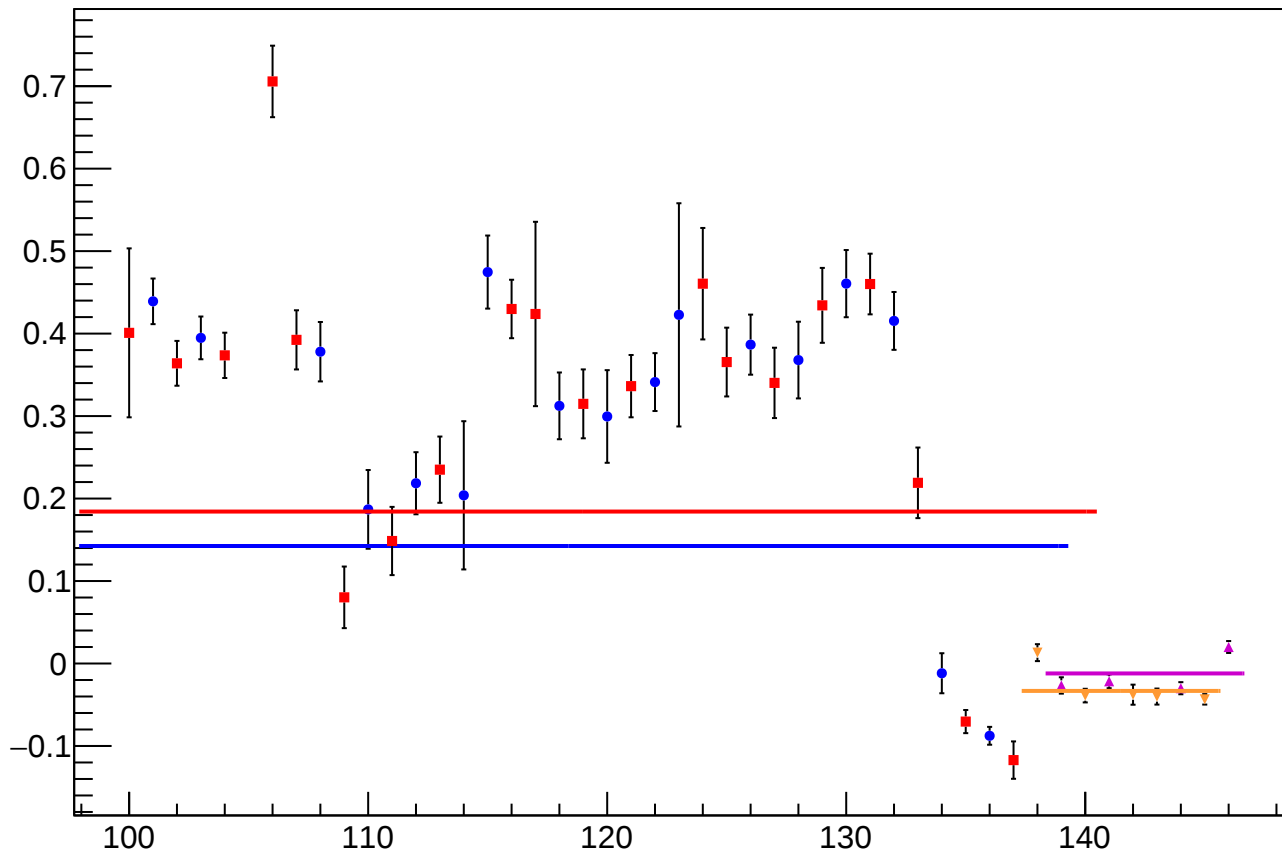
Right Out: -4.476 ± 0.137 χ^2/NDF : 1342.0/19

Left In: -7.709 ± 0.079 χ^2/NDF : 83.5/3

-6.273 ± 0.070 χ^2/NDF : 2192.3/21

-6.904 ± 0.068 χ^2/NDF : 1846.0/23

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 $\pm$ 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.033 $\pm$ 0.004 χ^2/NDF : 24.1/4

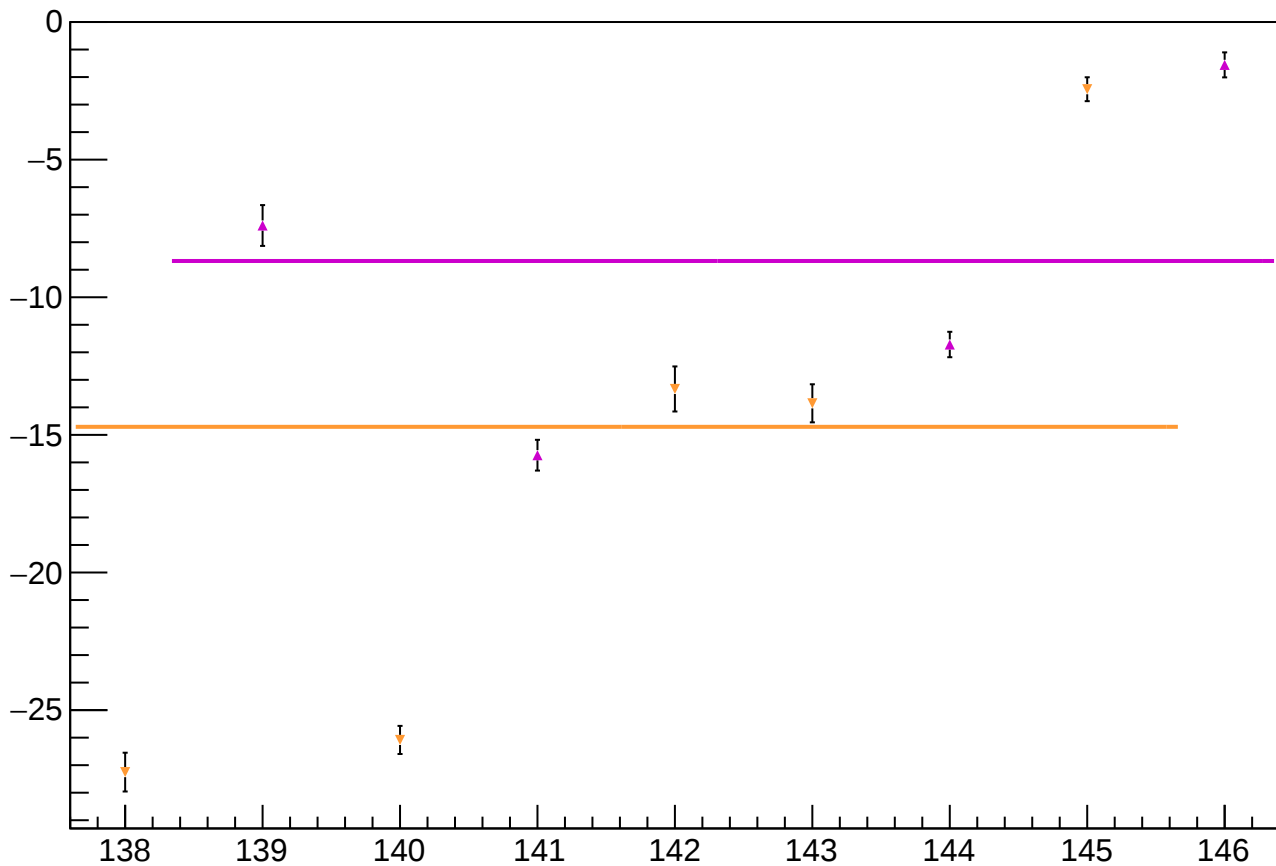
Right Out: 0.184 $\pm$ 0.007 χ^2/NDF : 1005.5/19

Left In: -0.012 $\pm$ 0.004 χ^2/NDF : 29.1/3

0.008 $\pm$ 0.003 χ^2/NDF : 1557.4/21

0.033 $\pm$ 0.004 χ^2/NDF : 1579.4/23

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -14.707+/-0.260 χ^2/NDF : 1615.9/4

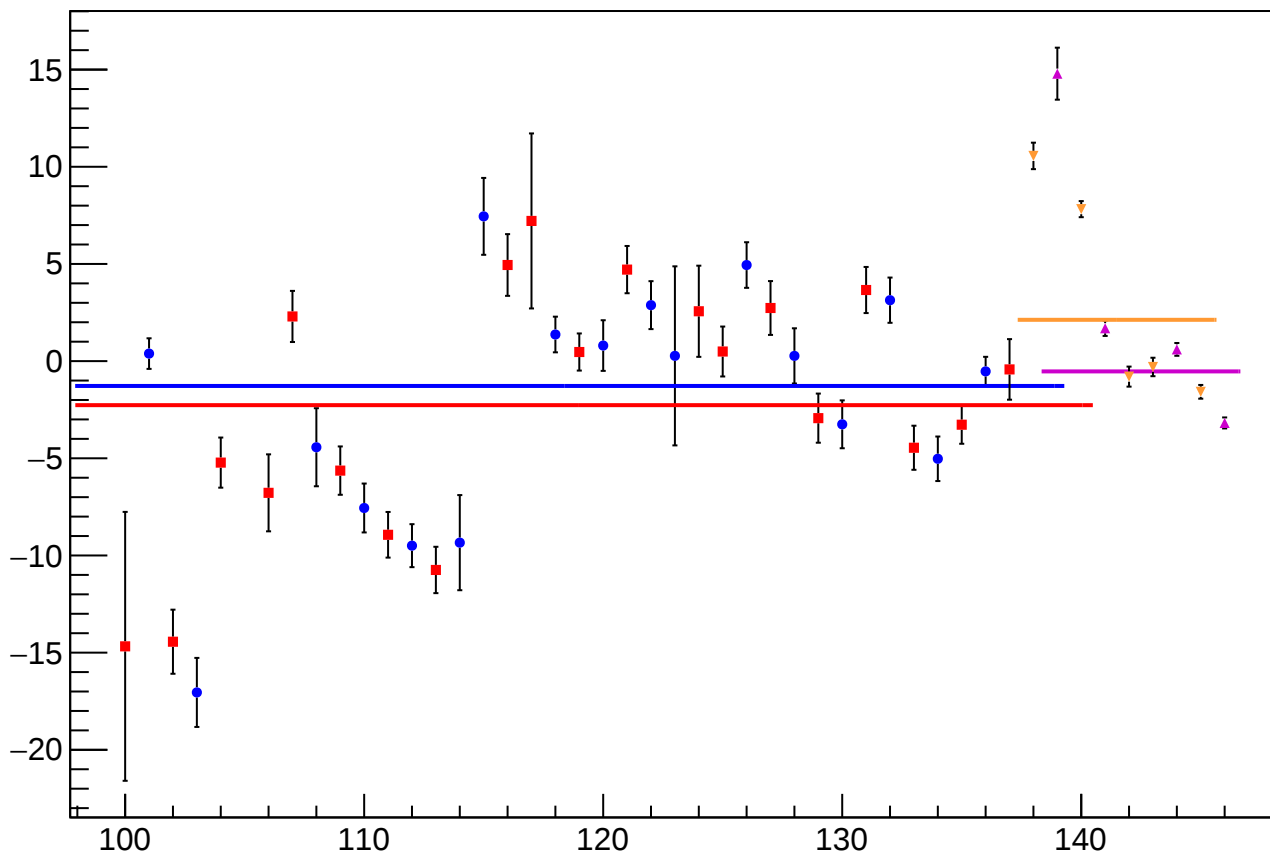
-14.707+/-0.260 χ^2/NDF : 1615.9/4

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

-8.682+/-0.262 χ^2/NDF : 451.6/3

Left In: -8.682+/-0.262 χ^2/NDF : 451.6/3

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

1.016 ± 0.167 χ^2/NDF : 878.2/21

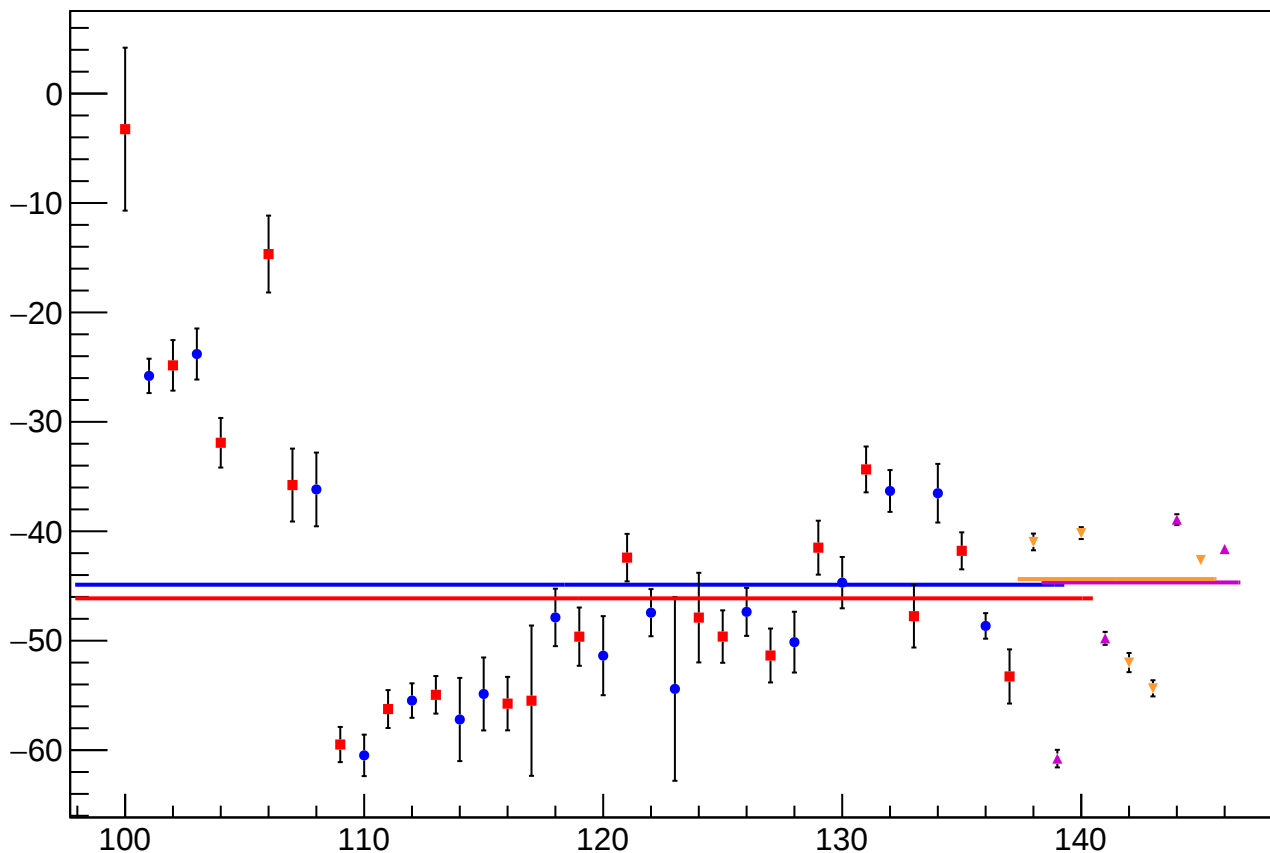
Left Out: 2.126 ± 0.203 χ^2/NDF : 510.4/4

Right Out: -2.266 ± 0.302 χ^2/NDF : 289.8/19

-1.011 ± 0.159 χ^2/NDF : 576.0/23

Left In: -0.529 ± 0.187 χ^2/NDF : 262.3/3

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -44.368 ± 0.278 χ^2/NDF : 352.6/4

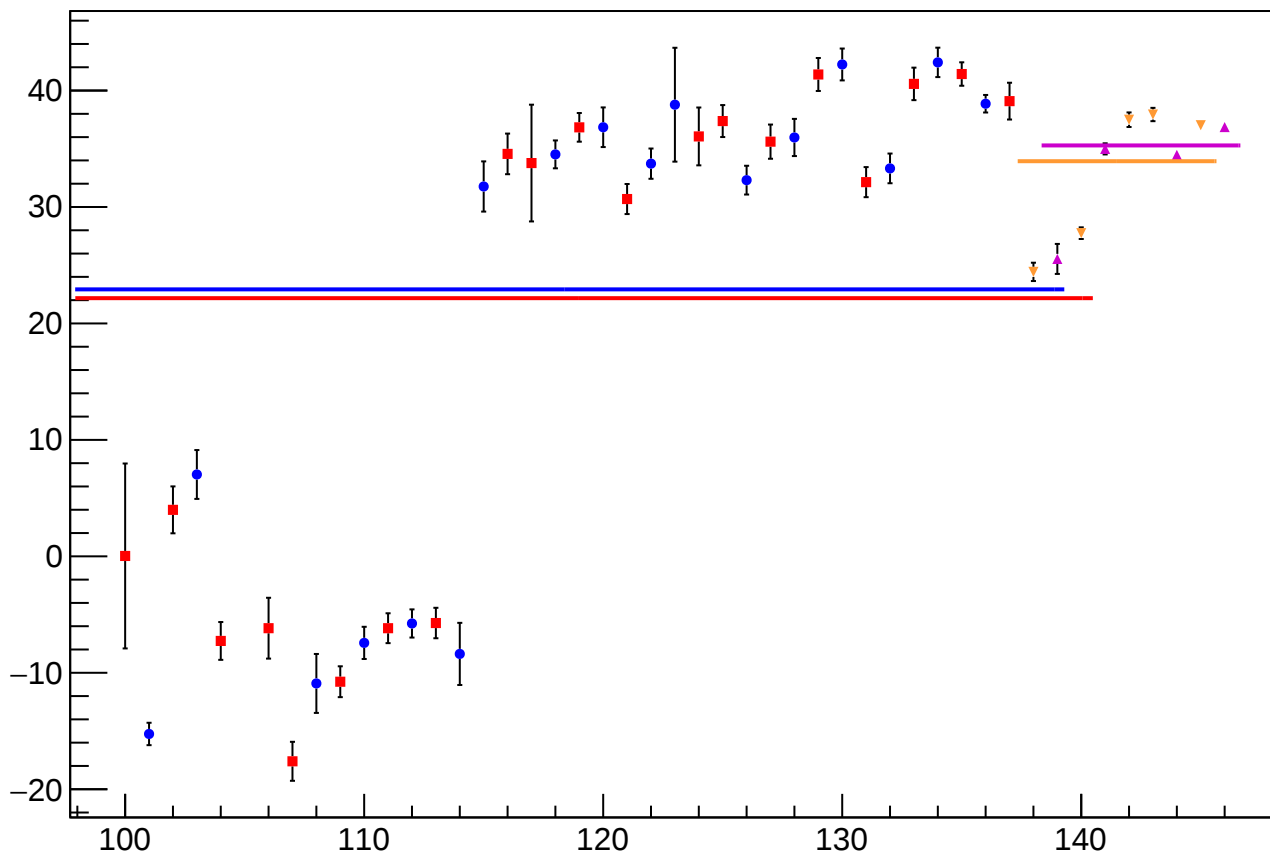
Right Out: -46.130 ± 0.527 χ^2/NDF : 456.1/19

Left In: -44.678 ± 0.270 χ^2/NDF : 659.9/3

-44.481 ± 0.246 χ^2/NDF : 774.3/21

-44.980 ± 0.240 χ^2/NDF : 1122.0/23

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: 33.932 $\pm$ 0.241 χ^2 /NDF:437.2/4

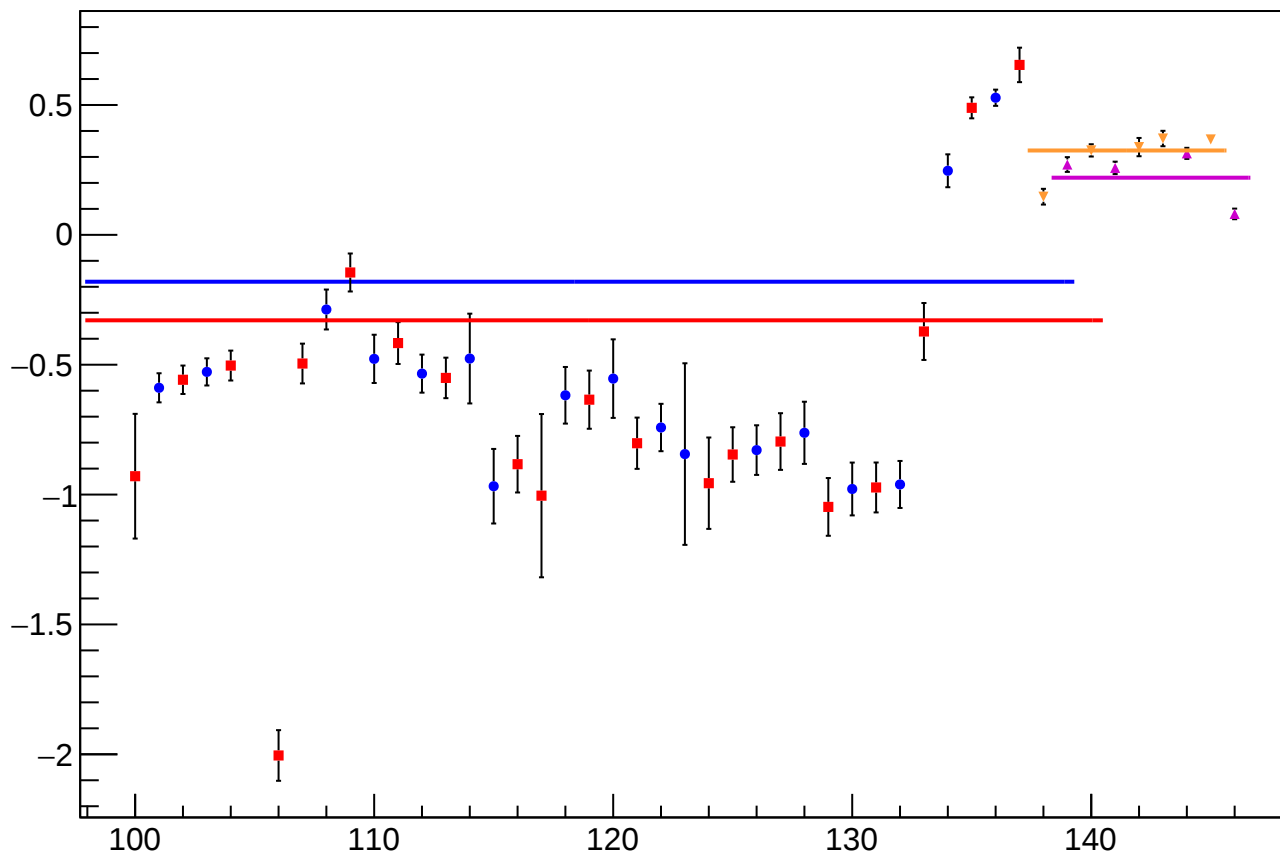
Right Out: 22.170 $\pm$ 0.339 χ^2 /NDF: 4038.8/19

Left In: 35.286 $\pm$ 0.227 χ^2 /NDF:81.6/3

30.077 $\pm$ 0.194 χ^2 /NDF: 5498.7/21

31.237 $\pm$ 0.188 χ^2 /NDF: 5154.1/23

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.325 ± 0.011 χ^2/NDF : 42.6/4

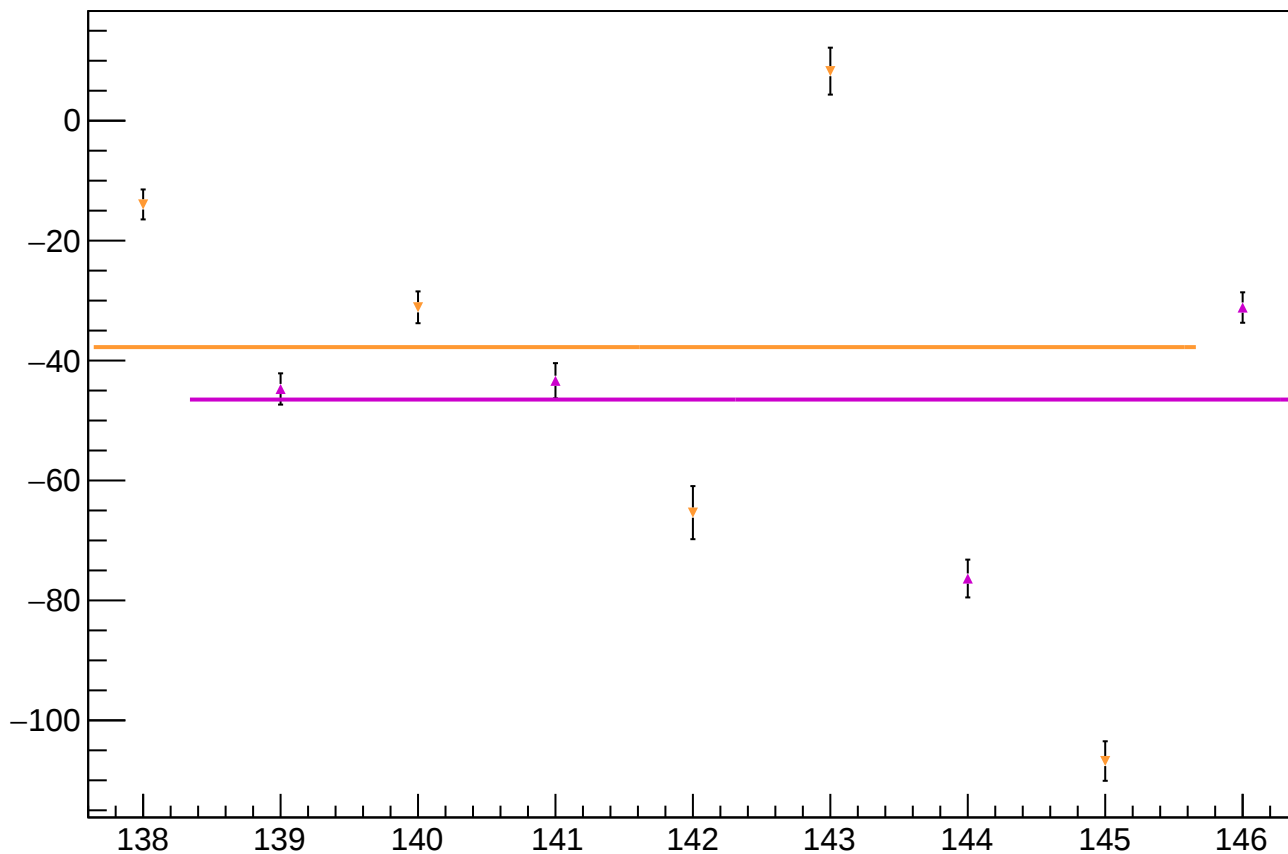
Right Out: -0.329 ± 0.018 χ^2/NDF : 1180.2/19

Left In: 0.220 ± 0.012 χ^2/NDF : 71.5/3

0.180 ± 0.010 χ^2/NDF : 1615.1/21

0.063 ± 0.010 χ^2/NDF : 1903.8/23

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -37.757+/-1.399 χ^2/NDF : 712.6/4

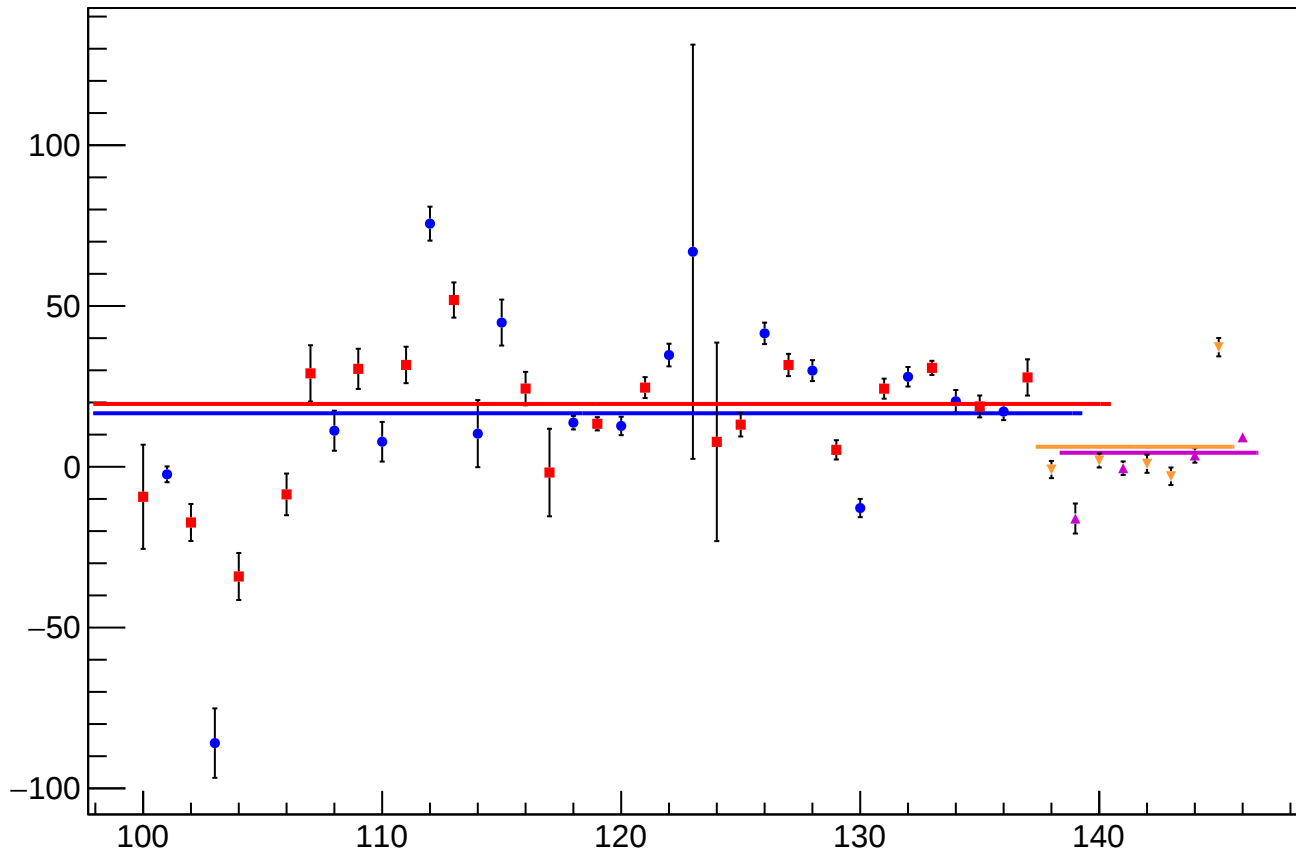
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -46.503+/-1.389 χ^2/NDF : 127.8/3

-37.757+/-1.399 χ^2/NDF : 712.6/4

-46.503+/-1.389 χ^2/NDF : 127.8/3

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 $\pm$ 0.859 χ^2 /NDF: 518.9/16

Left Out: 6.231 $\pm$ 1.168 χ^2 /NDF: 143.0/4

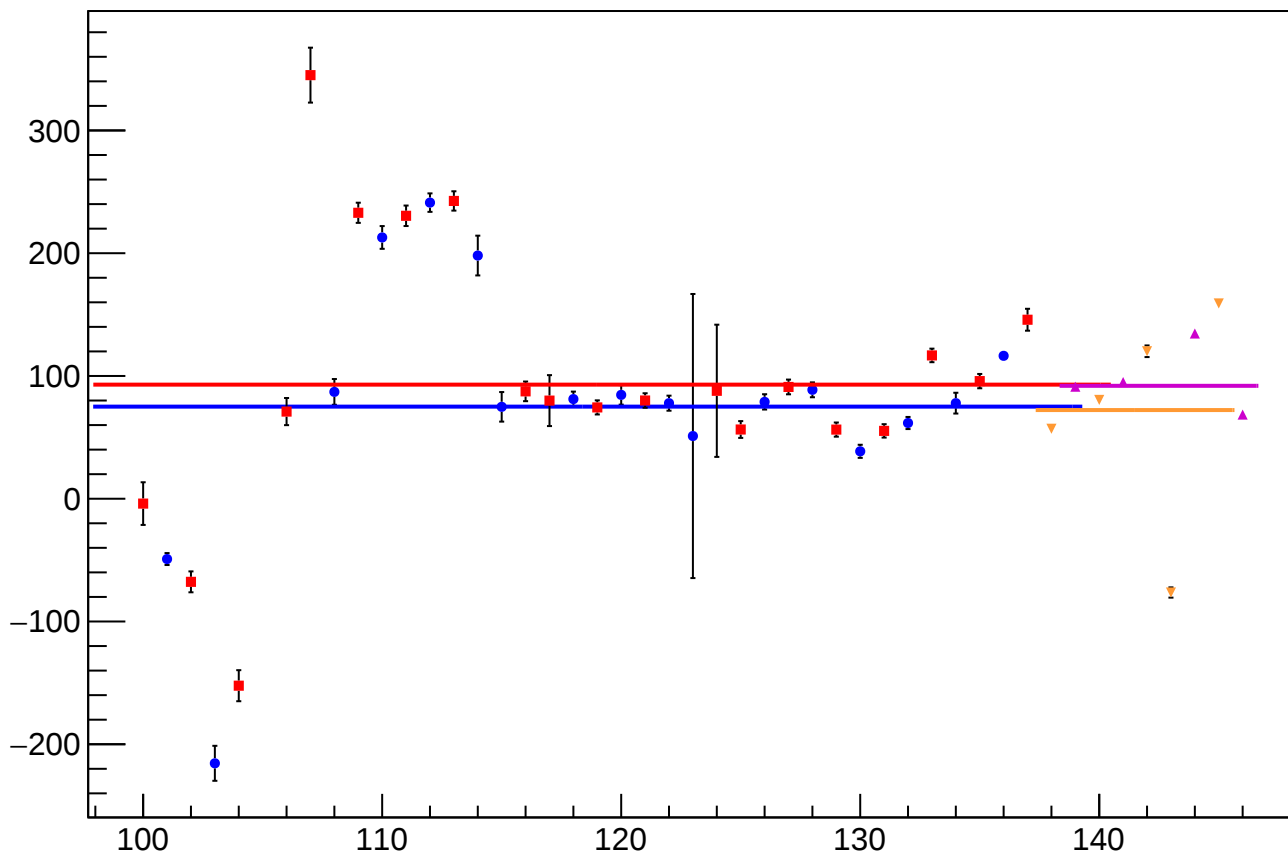
Right Out: 19.540 $\pm$ 0.894 χ^2 /NDF: 244.1/19

Left In: 4.364 $\pm$ 1.040 χ^2 /NDF: 35.1/3

12.989 $\pm$ 0.692 χ^2 /NDF: 713.5/21

13.089 $\pm$ 0.678 χ^2 /NDF: 401.6/23

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 72.230 $\pm$ 1.493 χ^2 /NDF: 2050.9/4

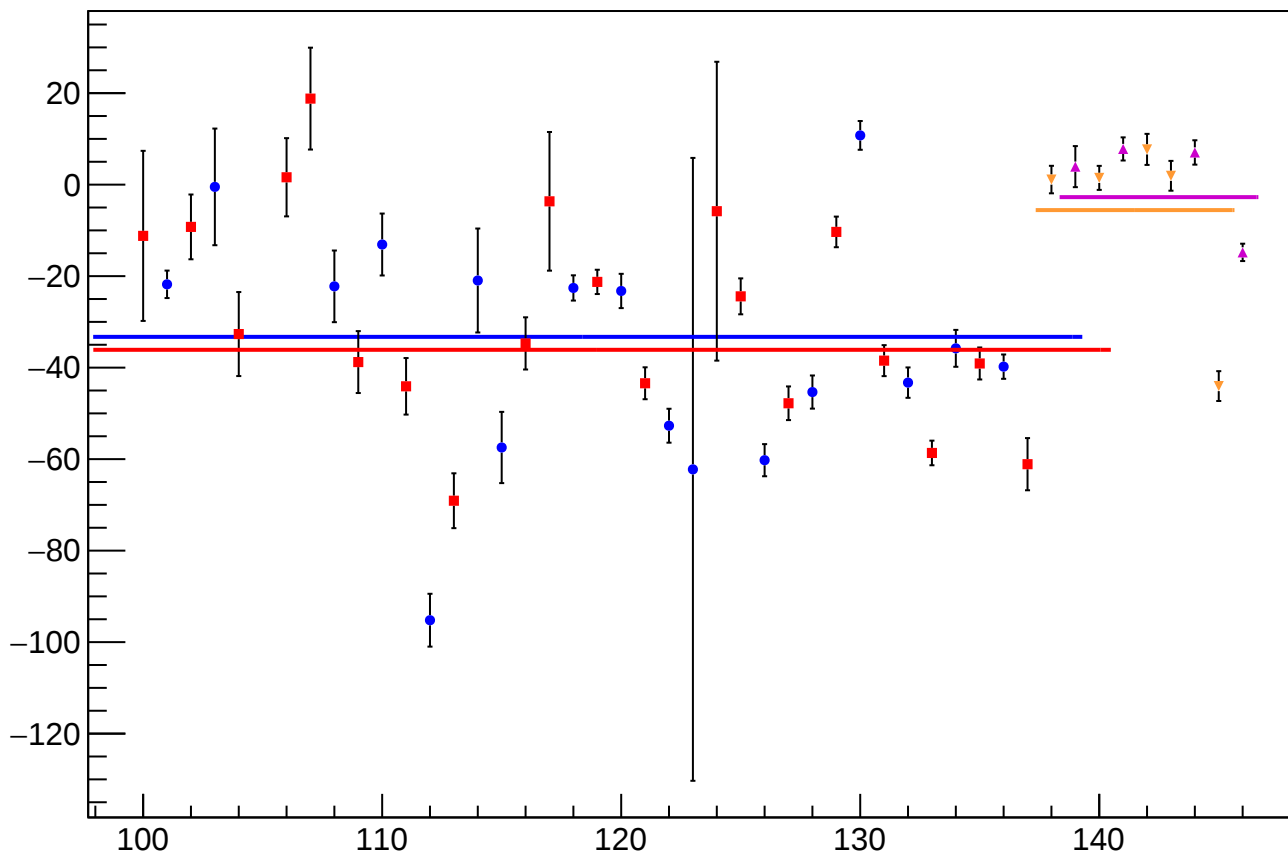
Right Out: 92.940 $\pm$ 1.706 χ^2 /NDF: 2004.0/19

Left In: 91.983 $\pm$ 1.436 χ^2 /NDF: 253.9/3

73.495 $\pm$ 1.106 χ^2 /NDF: 4052.2/21

92.380 $\pm$ 1.098 χ^2 /NDF: 2258.0/23

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -5.564 ± 1.373 $\chi^2/\text{NDF}: 171.9/4$

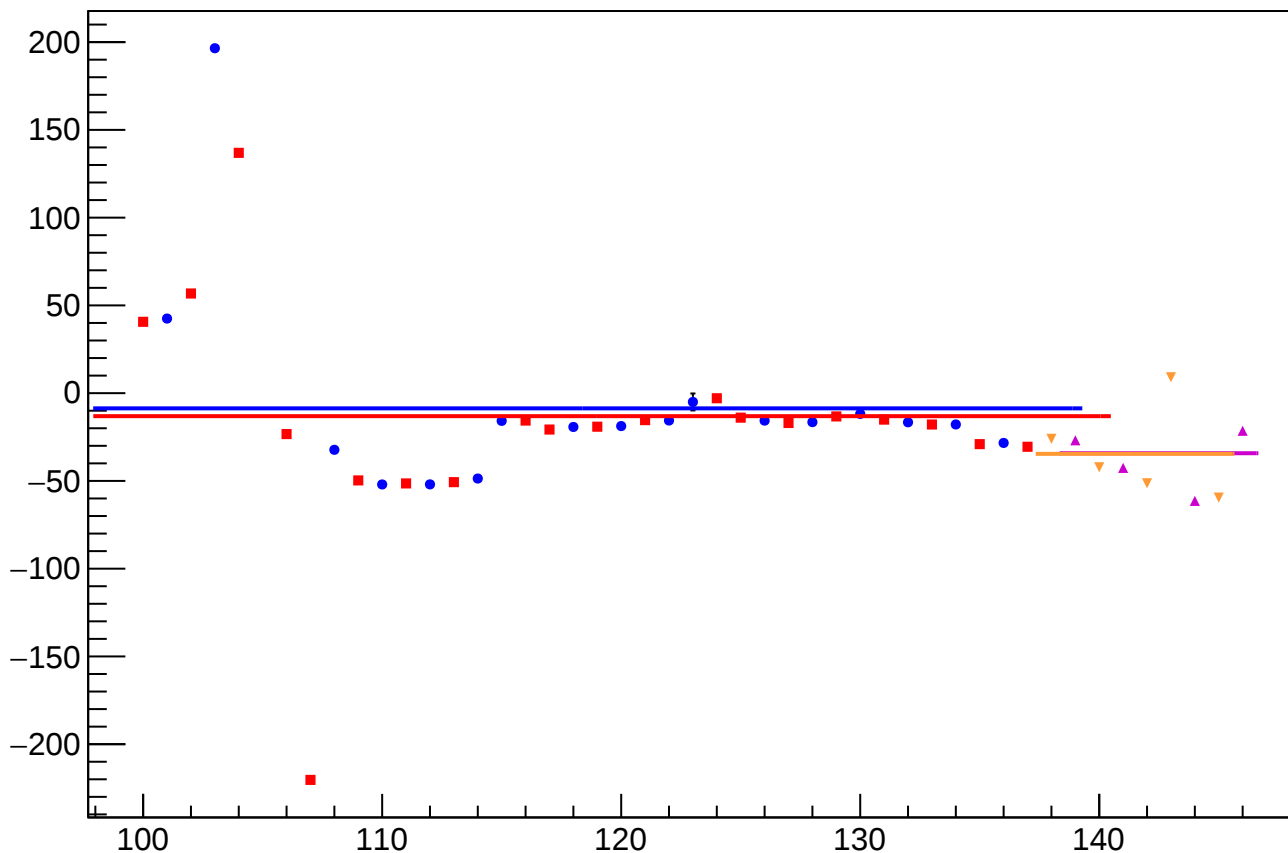
Right Out: -36.103 ± 1.022 $\chi^2/\text{NDF}: 302.3/19$

Left In: -2.730 ± 1.265 $\chi^2/\text{NDF}: 73.5/3$

-23.893 ± 0.799 $\chi^2/\text{NDF}: 930.8/21$

-22.932 ± 0.795 $\chi^2/\text{NDF}: 796.9/23$

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 χ^2/NDF : 575742.7/16

Left Out: -34.578 ± 0.060 χ^2/NDF : 120419.9/4

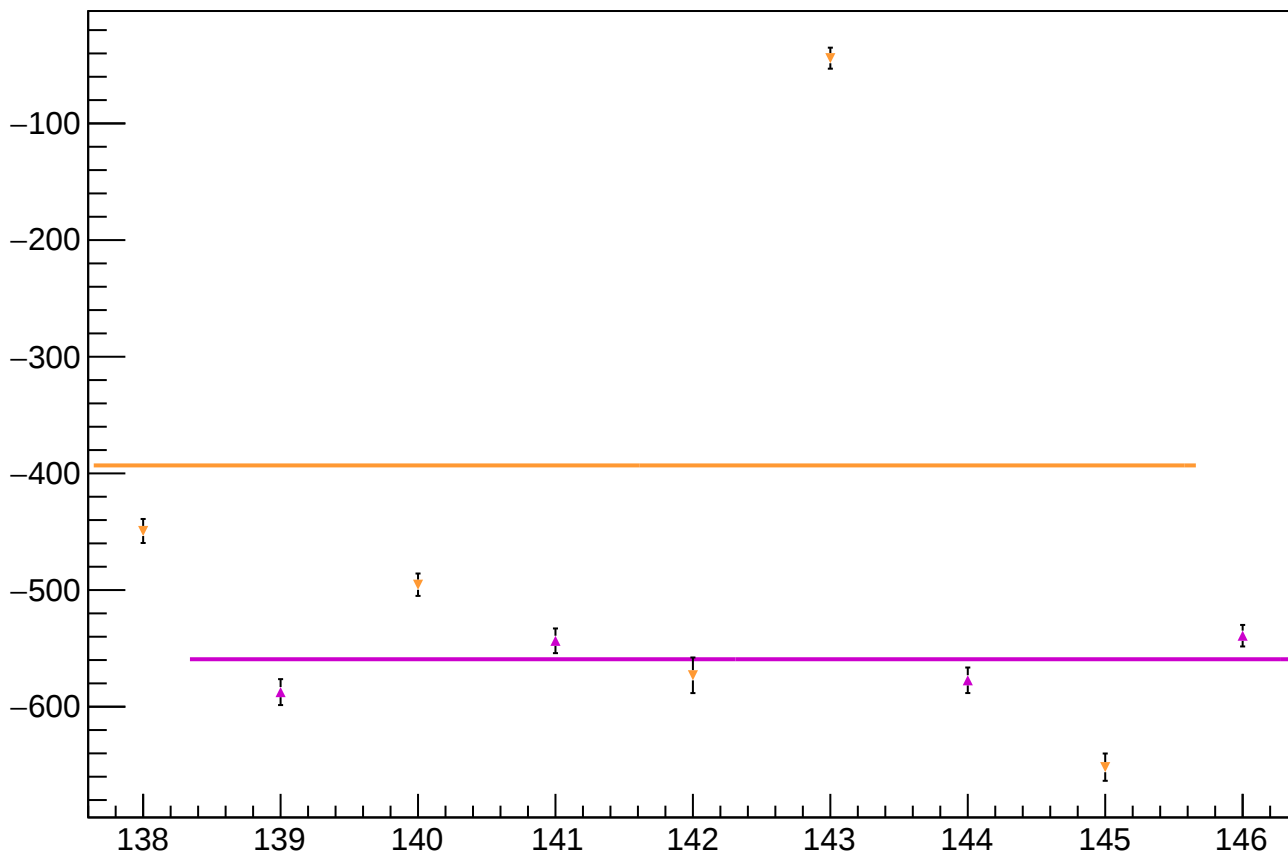
Right Out: -13.109 ± 0.062 χ^2/NDF : 558383.6/19

Left In: -34.222 ± 0.059 χ^2/NDF : 56739.3/3

-21.340 ± 0.042 χ^2/NDF : 790342.7/21

-24.194 ± 0.043 χ^2/NDF : 676604.9/23

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

-393.155+/-4.755 χ^2/NDF : 2273.5/4

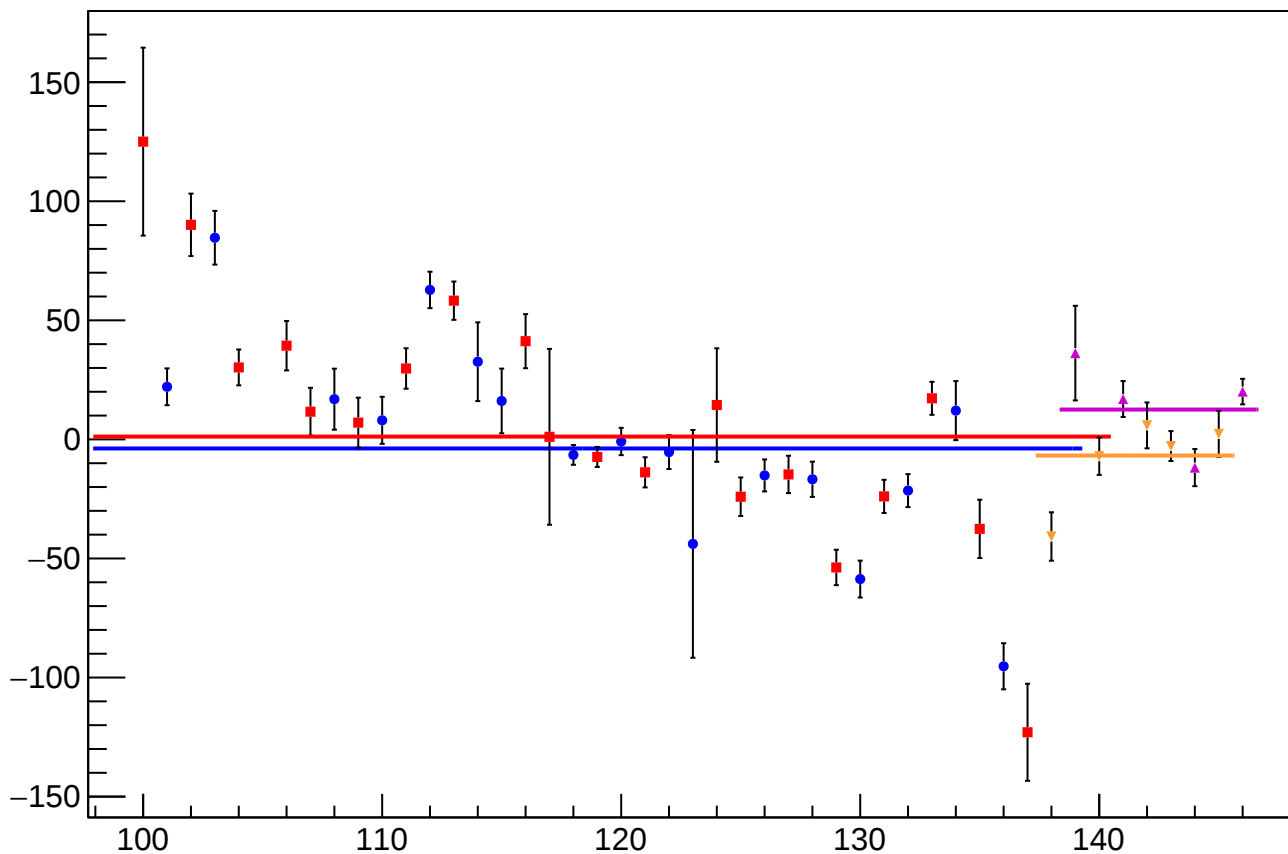
Left Out: -393.155+/-4.755 χ^2/NDF : 2273.5/4

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

-559.305+/-5.190 χ^2/NDF : 16.2/3

Left In: -559.305+/-5.190 χ^2/NDF : 16.2/3

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: -6.776 ± 3.710 χ^2/NDF : 14.2/4

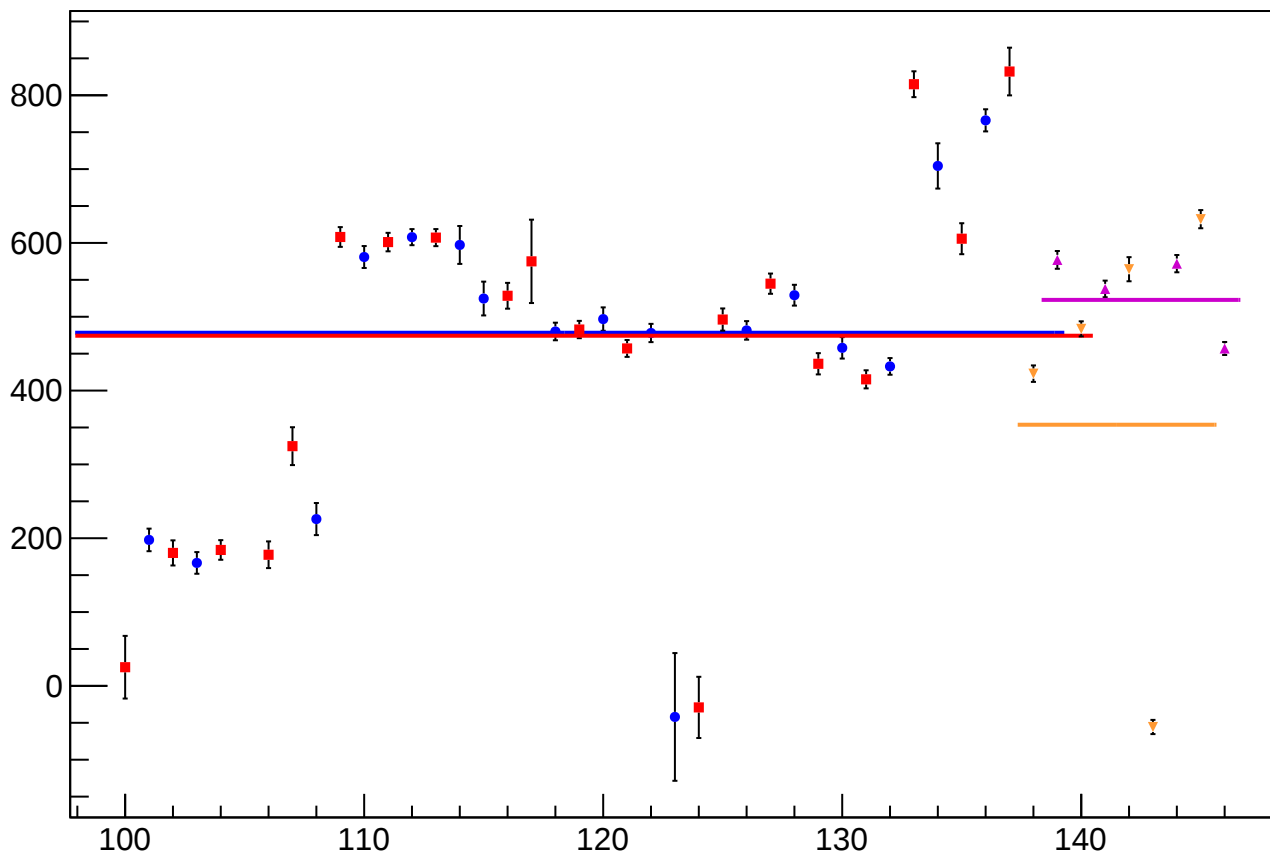
Right Out: 1.175 ± 1.911 χ^2/NDF : 303.9/19

Left In: 12.532 ± 3.741 χ^2/NDF : 13.5/3

-4.442 ± 1.707 χ^2/NDF : 329.0/21

3.526 ± 1.702 χ^2/NDF : 324.7/23

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 353.740 $\pm$ 5.078 χ^2 /NDF: 2691.5/4

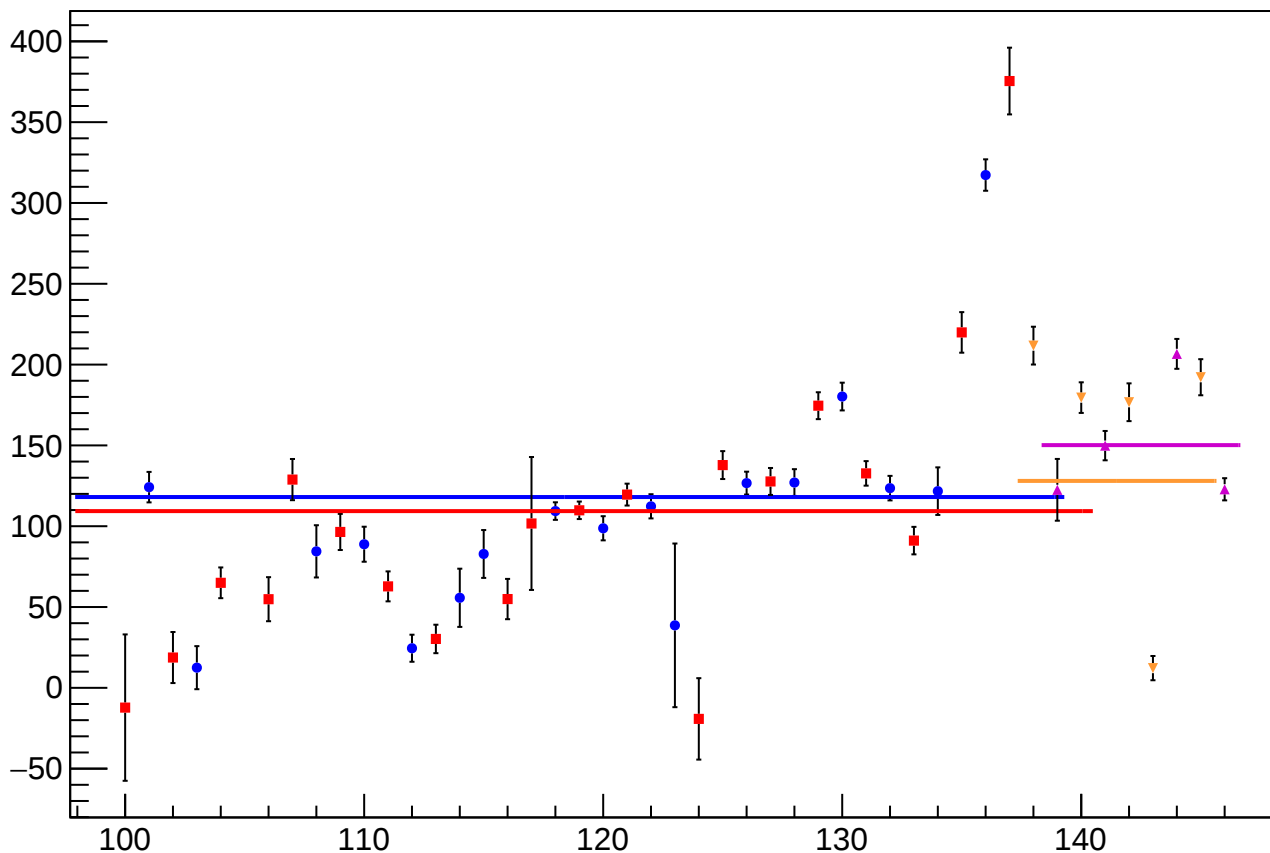
Right Out: 474.296 $\pm$ 3.524 χ^2 /NDF: 2288.2/19

Left In: 522.844 $\pm$ 5.348 χ^2 /NDF: 95.3/3

435.705 $\pm$ 2.970 χ^2 /NDF: 4716.4/21

488.994 $\pm$ 2.943 χ^2 /NDF: 2441.0/23

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 +/- 2.225 χ^2/NDF : 705.3/16

Left Out: 128.033 +/- 4.405 χ^2/NDF : 369.4/4

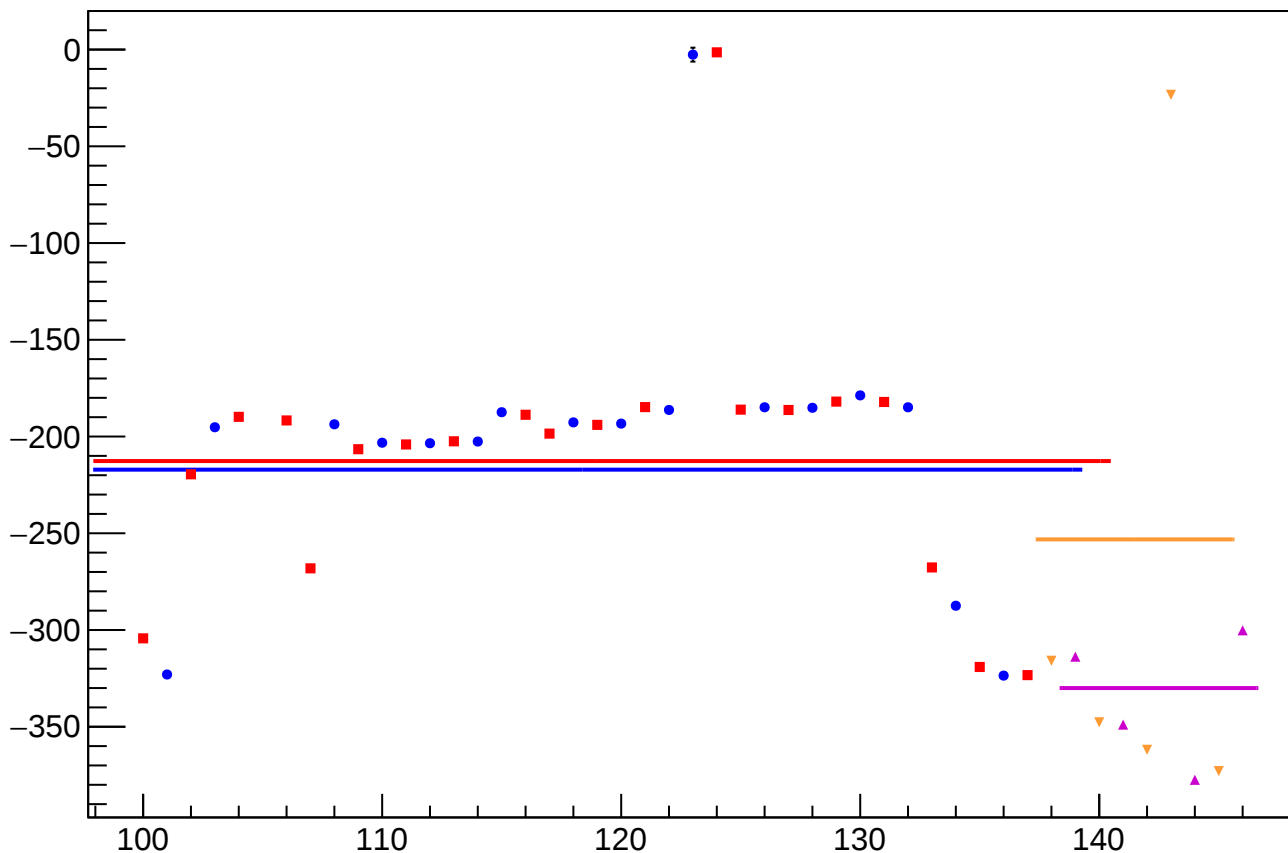
Right Out: 109.345 +/- 2.202 χ^2/NDF : 569.8/19

Left In: 150.171 +/- 4.573 χ^2/NDF : 55.2/3

120.084 +/- 1.986 χ^2/NDF : 1078.8/21

117.027 +/- 1.984 χ^2/NDF : 689.8/23

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -253.165+/-0.207 χ^2/NDF : 509714.7/4

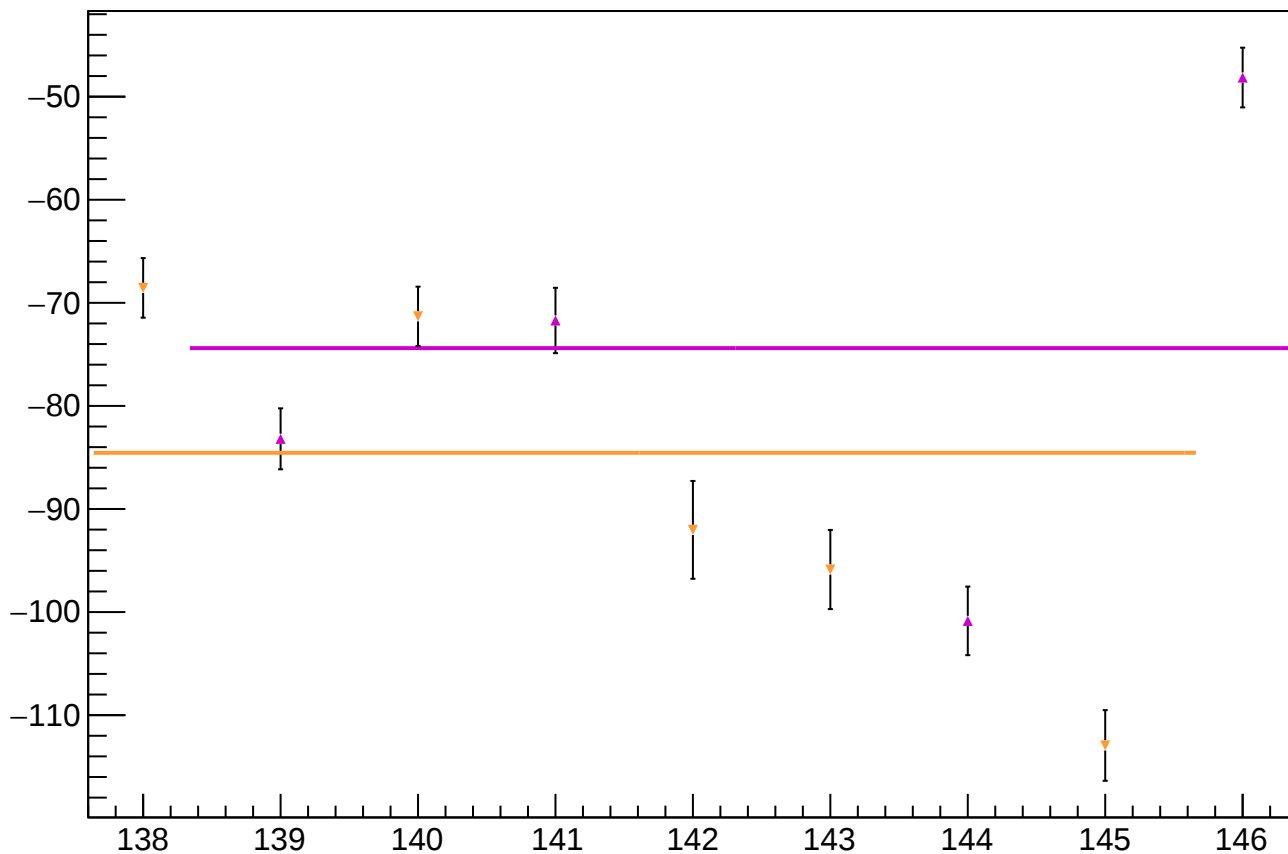
Right Out: -212.679+/-0.130 χ^2/NDF : 115596.4/19

Left In: -330.004+/-0.222 χ^2/NDF : 17146.4/3

-228.075+/-0.114 χ^2/NDF : 677444.0/21

-242.627+/-0.112 χ^2/NDF : 340613.7/23

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -84.549+/-1.511 χ^2/NDF : 131.6/4

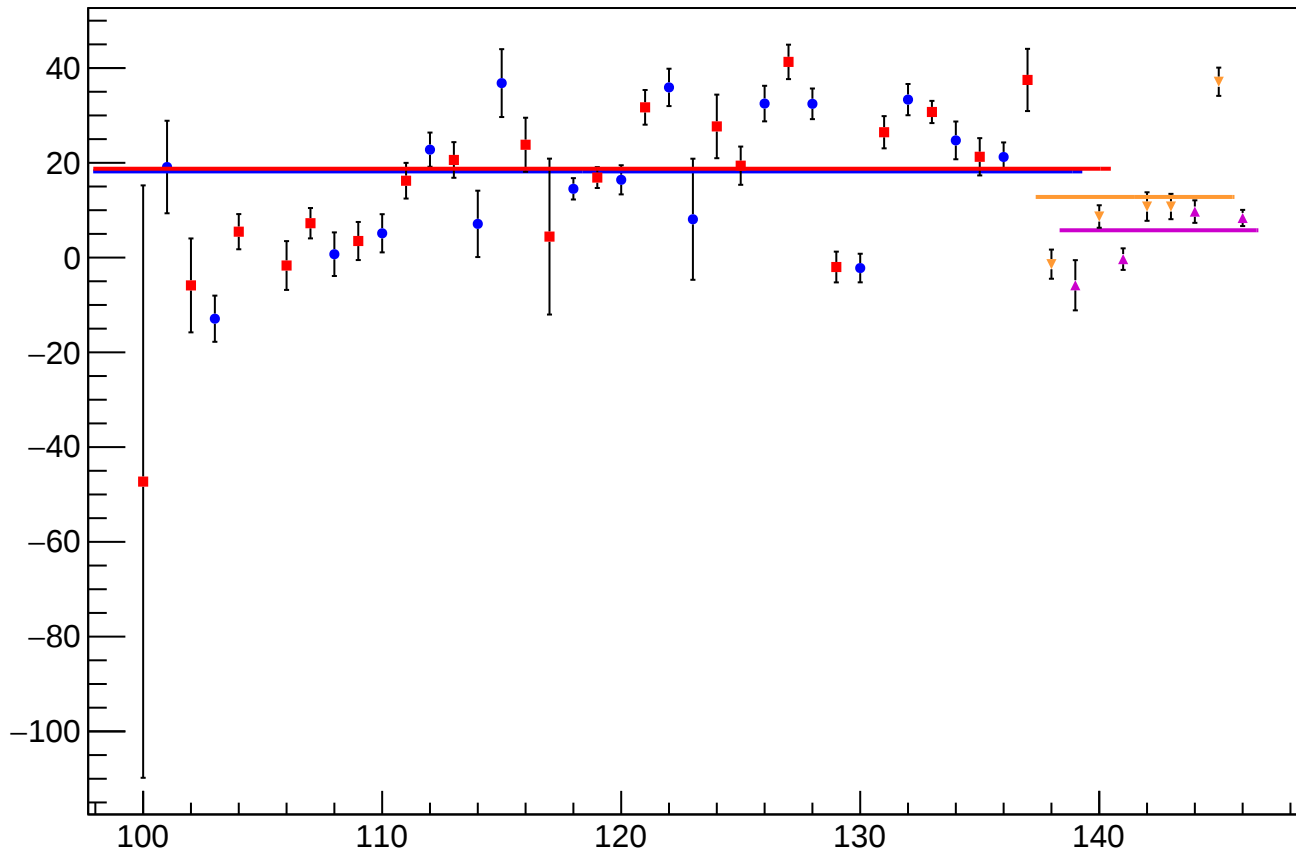
-84.549+/-1.511 χ^2/NDF : 131.6/4

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

-74.395+/-1.537 χ^2/NDF : 154.9/3

Left In: -74.395+/-1.537 χ^2/NDF : 154.9/3

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 $\pm$ 0.917 χ^2 /NDF: 204.9/16

Left Out: 12.797 $\pm$ 1.244 χ^2 /NDF: 91.8/4

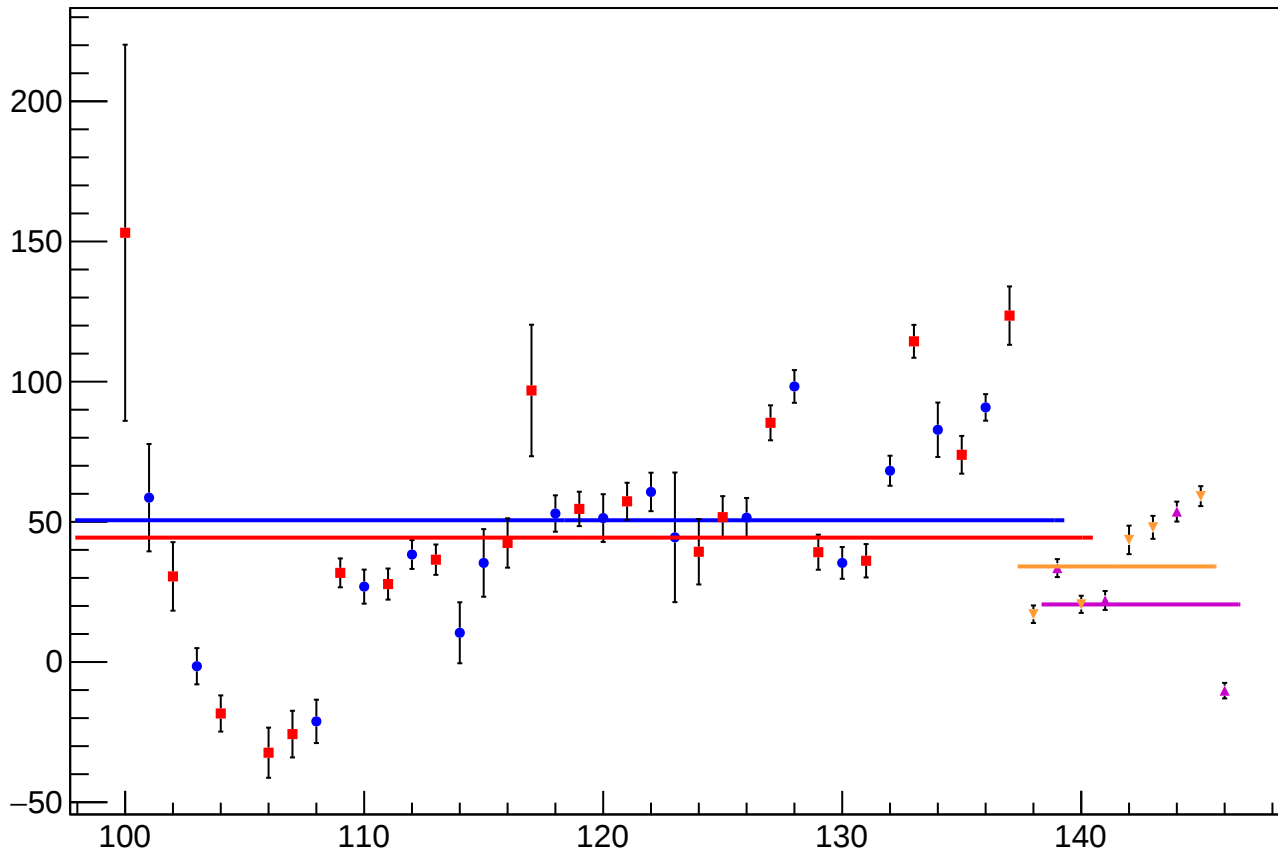
Right Out: 18.752 $\pm$ 0.862 χ^2 /NDF: 199.5/19

Left In: 5.764 $\pm$ 1.155 χ^2 /NDF: 17.0/3

16.290 $\pm$ 0.738 χ^2 /NDF: 308.8/21

14.110 $\pm$ 0.691 χ^2 /NDF: 297.8/23

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: 34.096 $\pm$ 1.611 χ^2 /NDF:113.7/4

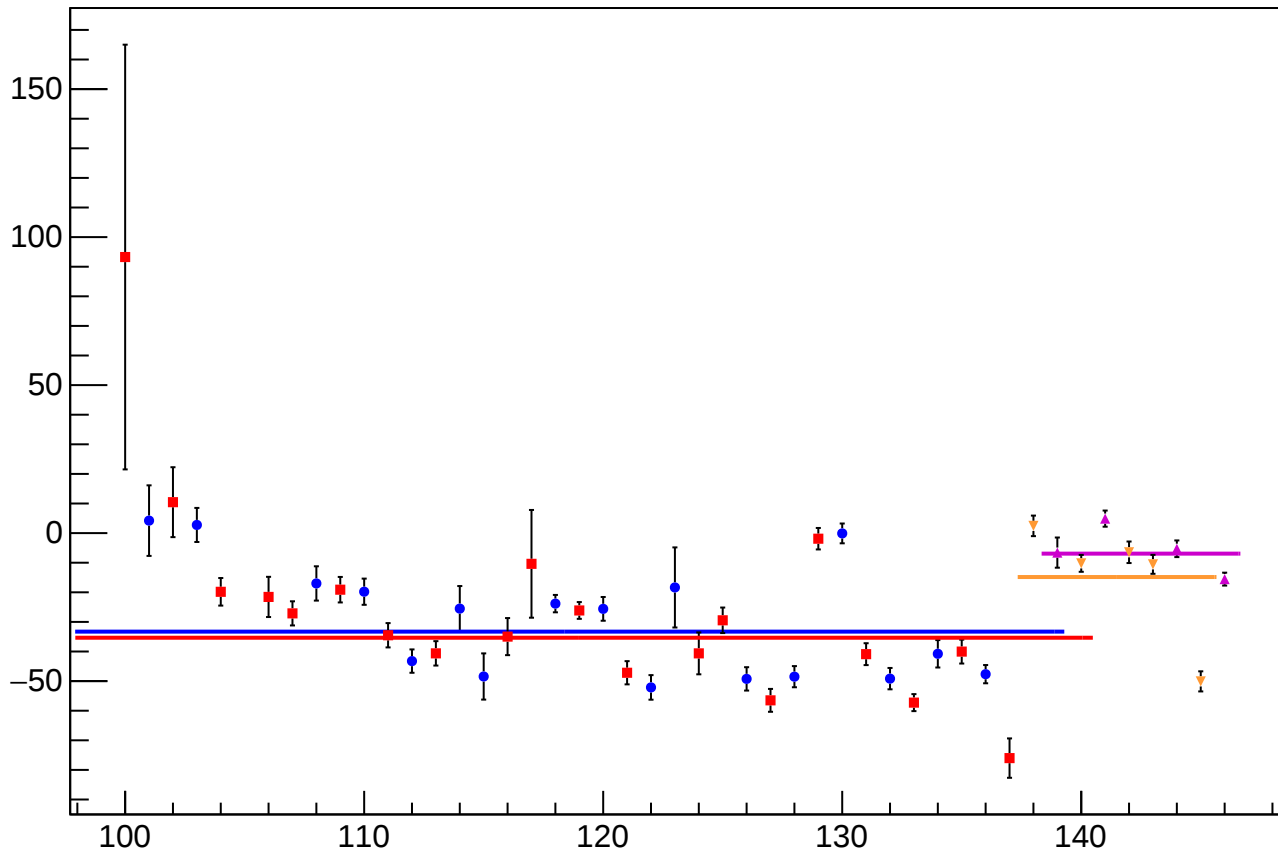
Right Out: 44.377 $\pm$ 1.599 χ^2 /NDF: 537.6/19

Left In: 20.545 $\pm$ 1.592 χ^2 /NDF:226.2/3

41.995 $\pm$ 1.162 χ^2 /NDF: 521.8/21

32.414 $\pm$ 1.128 χ^2 /NDF: 875.3/23

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -14.840 ± 1.465 χ^2/NDF : 142.2/4

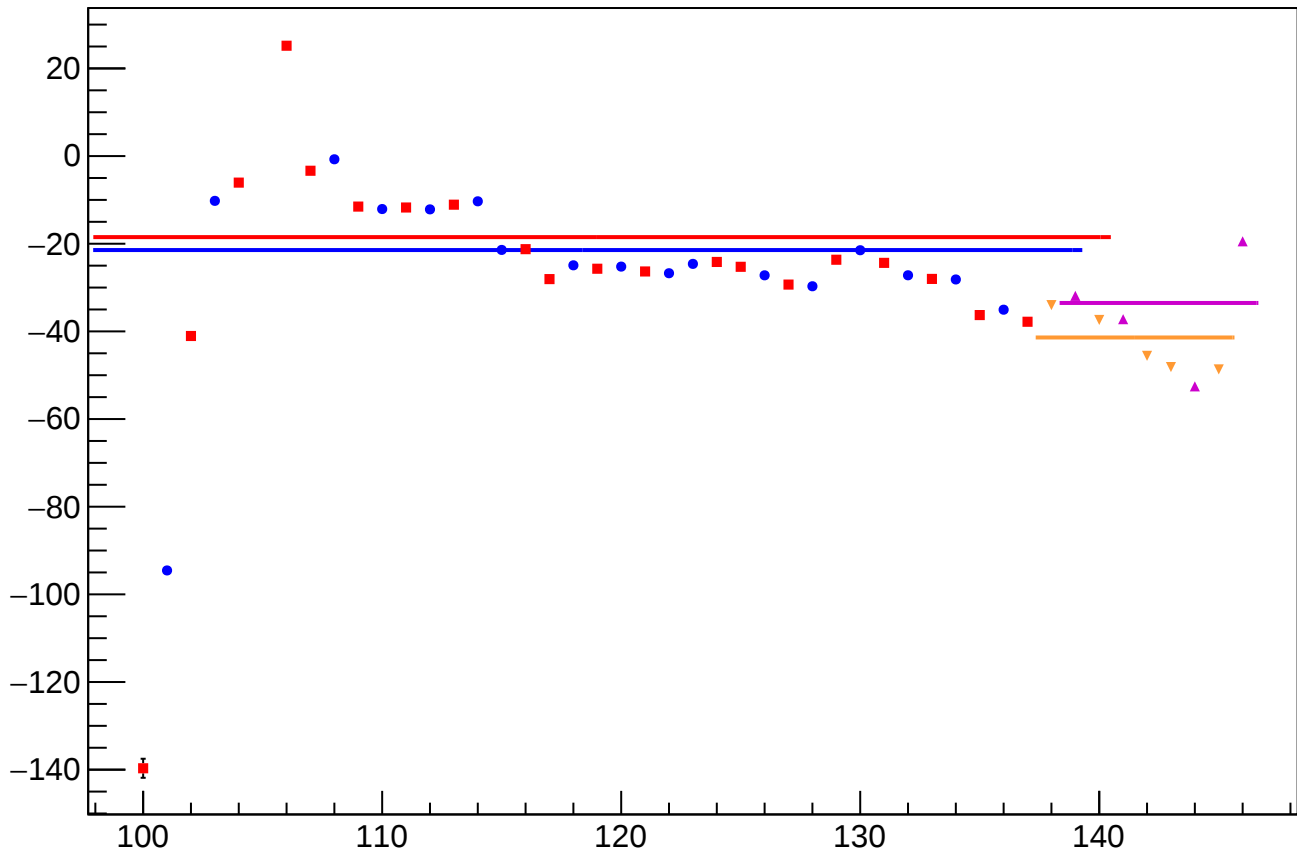
Right Out: -35.343 ± 0.990 χ^2/NDF : 291.6/19

Left In: -6.933 ± 1.401 χ^2/NDF : 34.7/3

-27.073 ± 0.850 χ^2/NDF : 537.4/21

-25.882 ± 0.808 χ^2/NDF : 600.7/23

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442+/-0.059 χ^2/NDF : 48968.5/16

Left Out: -41.391+/-0.065 χ^2/NDF : 9355.6/4

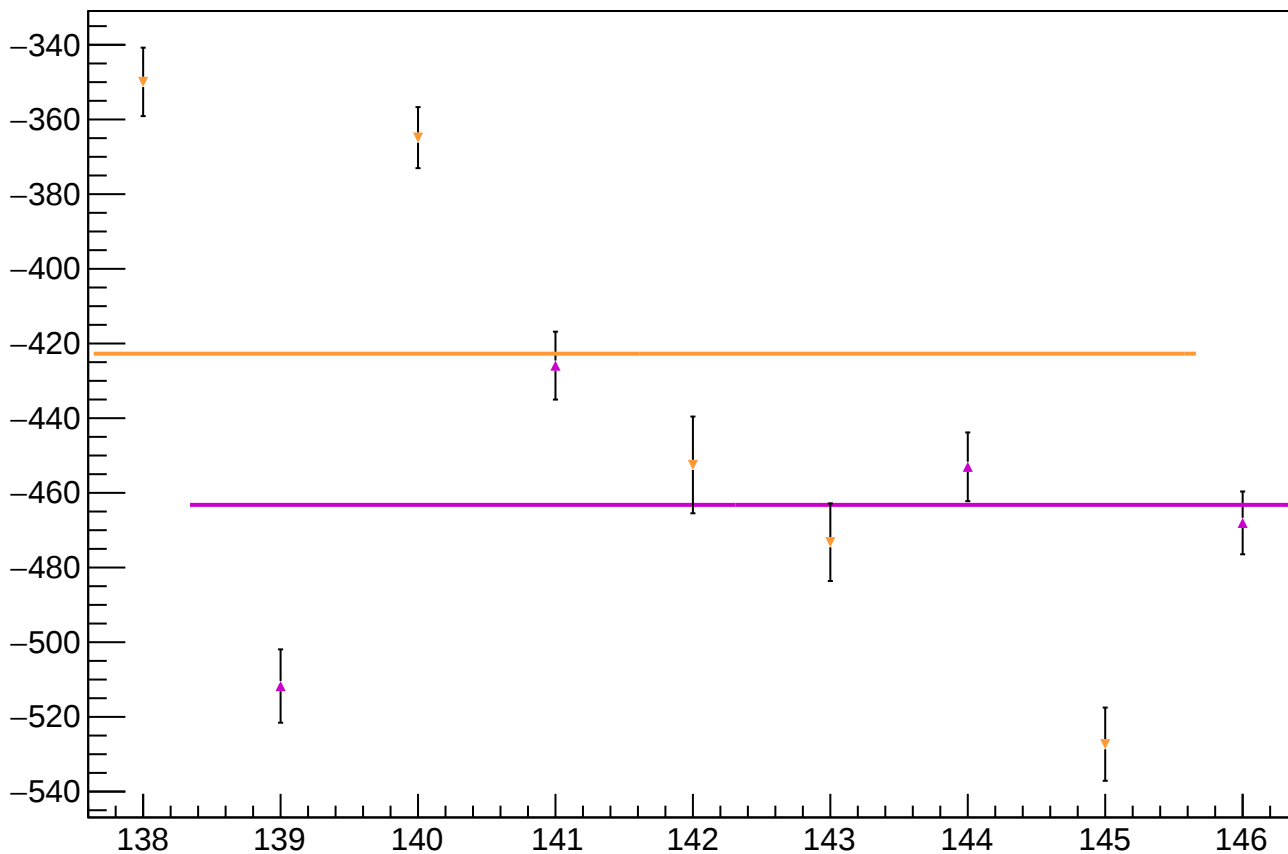
Right Out: -18.490+/-0.057 χ^2/NDF : 80549.5/19

Left In: -33.513+/-0.065 χ^2/NDF : 27960.2/3

-30.406+/-0.044 χ^2/NDF : 109847.2/21

-25.044+/-0.043 χ^2/NDF : 138475.8/23

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -422.724+/-4.365 χ^2/NDF : 255.8/4

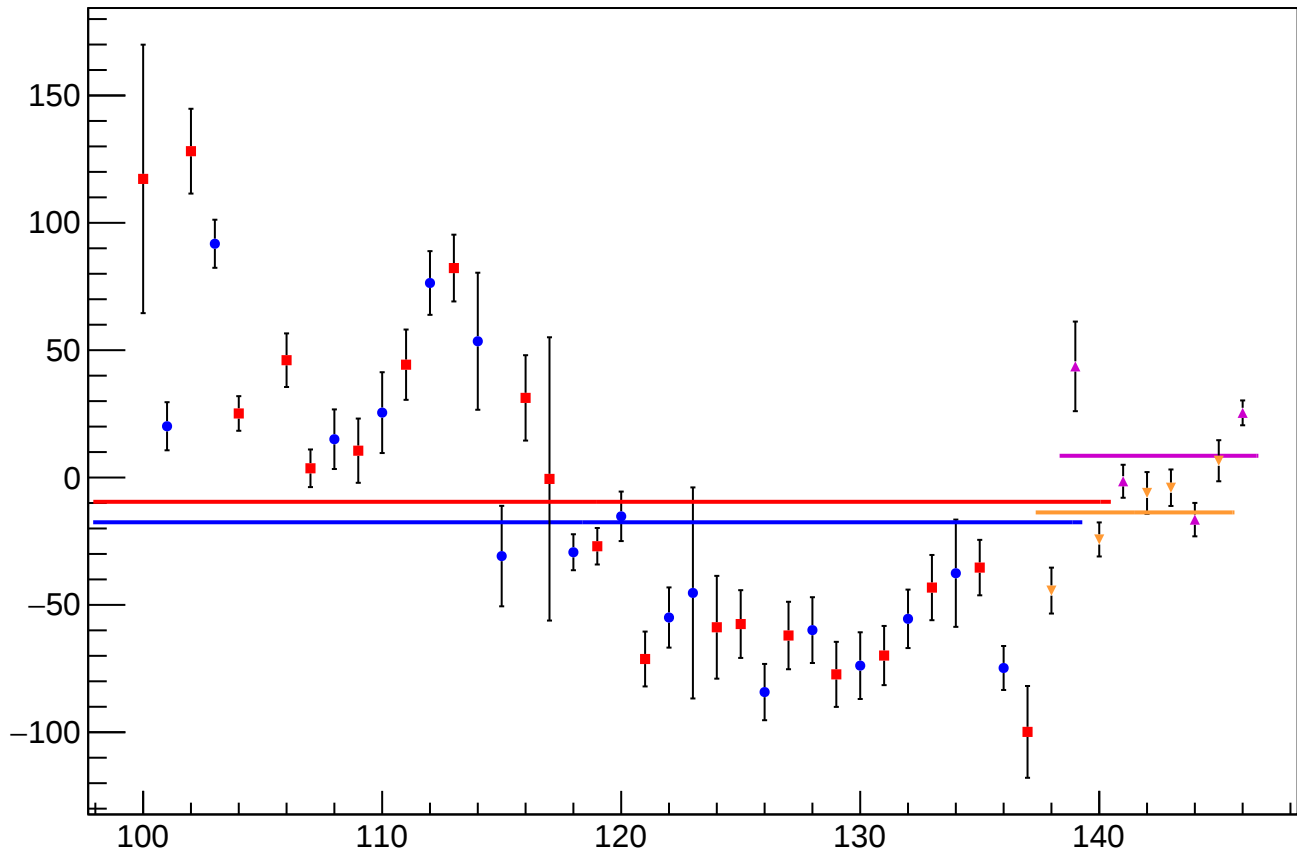
-422.724+/-4.365 χ^2/NDF : 255.8/4

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

-463.215+/-4.546 χ^2/NDF : 42.8/3

Left In: -463.215+/-4.546 χ^2/NDF : 42.8/3

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: -13.696 ± 3.440 $\chi^2/\text{NDF}: 23.2/4$

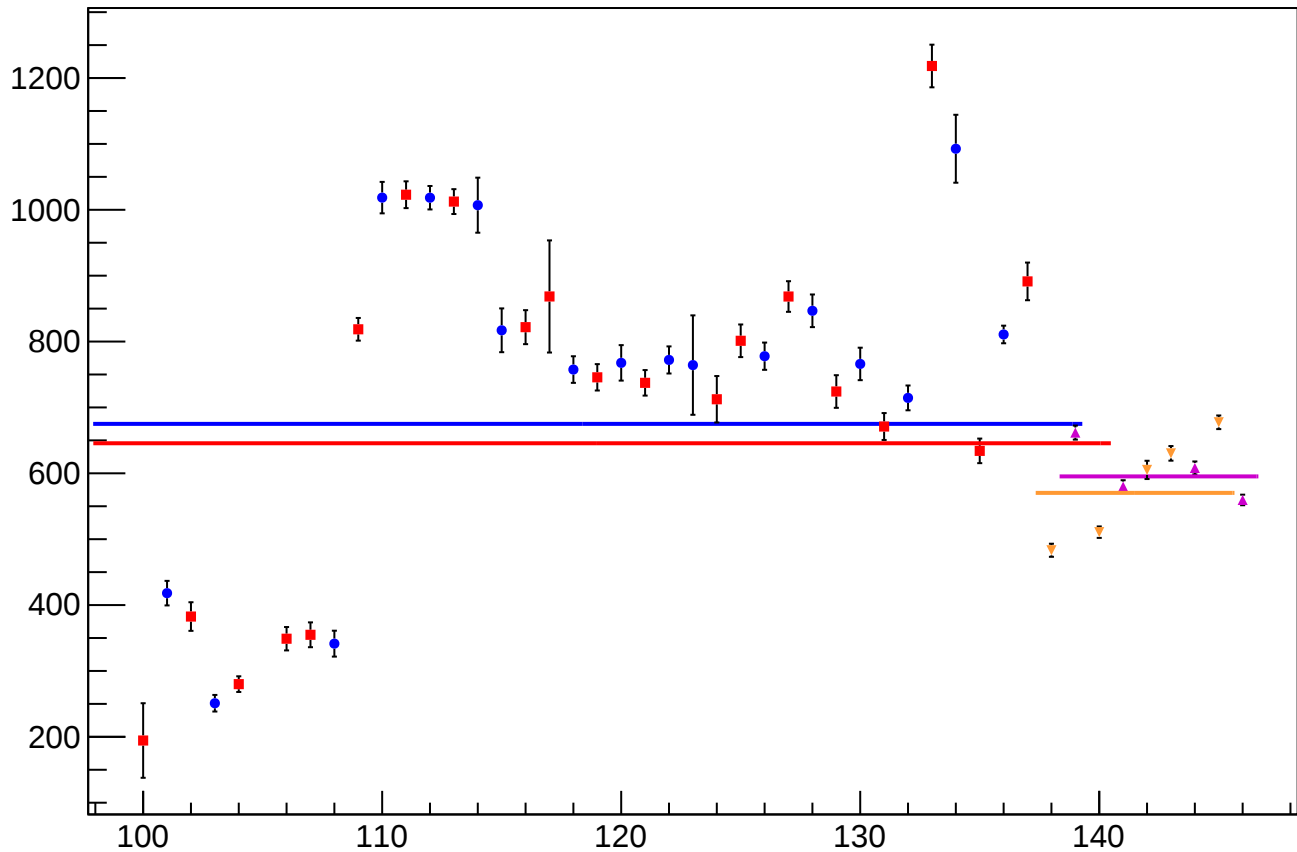
Right Out: -9.527 ± 2.606 $\chi^2/\text{NDF}: 370.3/19$

Left In: 8.544 ± 3.291 $\chi^2/\text{NDF}: 32.9/3$

-16.009 ± 2.181 $\chi^2/\text{NDF}: 387.7/21$

-2.564 ± 2.043 $\chi^2/\text{NDF}: 421.7/23$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 570.299 $\pm$ 4.663 χ^2 /NDF:266.6/4

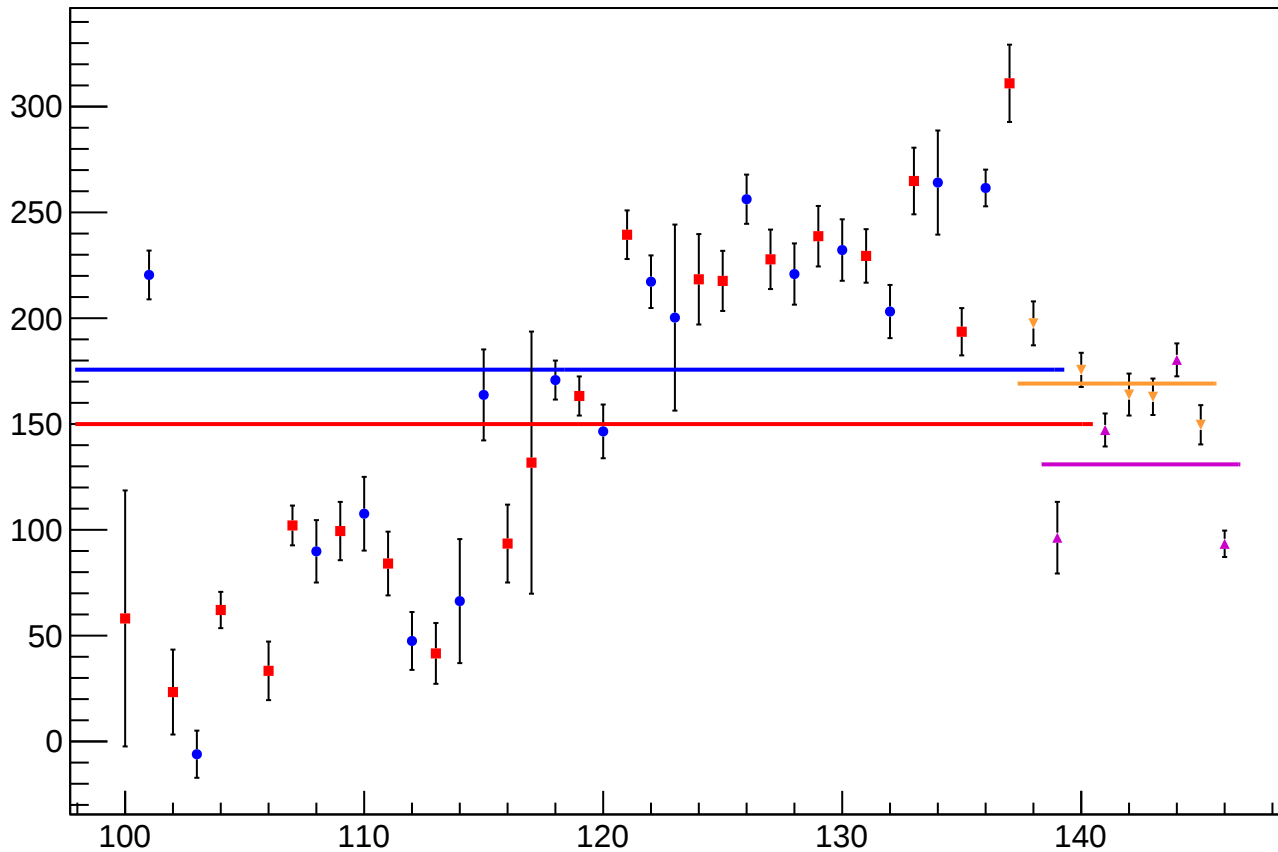
Right Out: 645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

Left In: 595.304 $\pm$ 4.697 χ^2 /NDF:63.1/3

618.323 $\pm$ 3.431 χ^2 /NDF: 3082.4/21

620.157 $\pm$ 3.341 χ^2 /NDF: 3248.8/23

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 169.114 $\pm$ 4.087 χ^2 /NDF:13.3/4

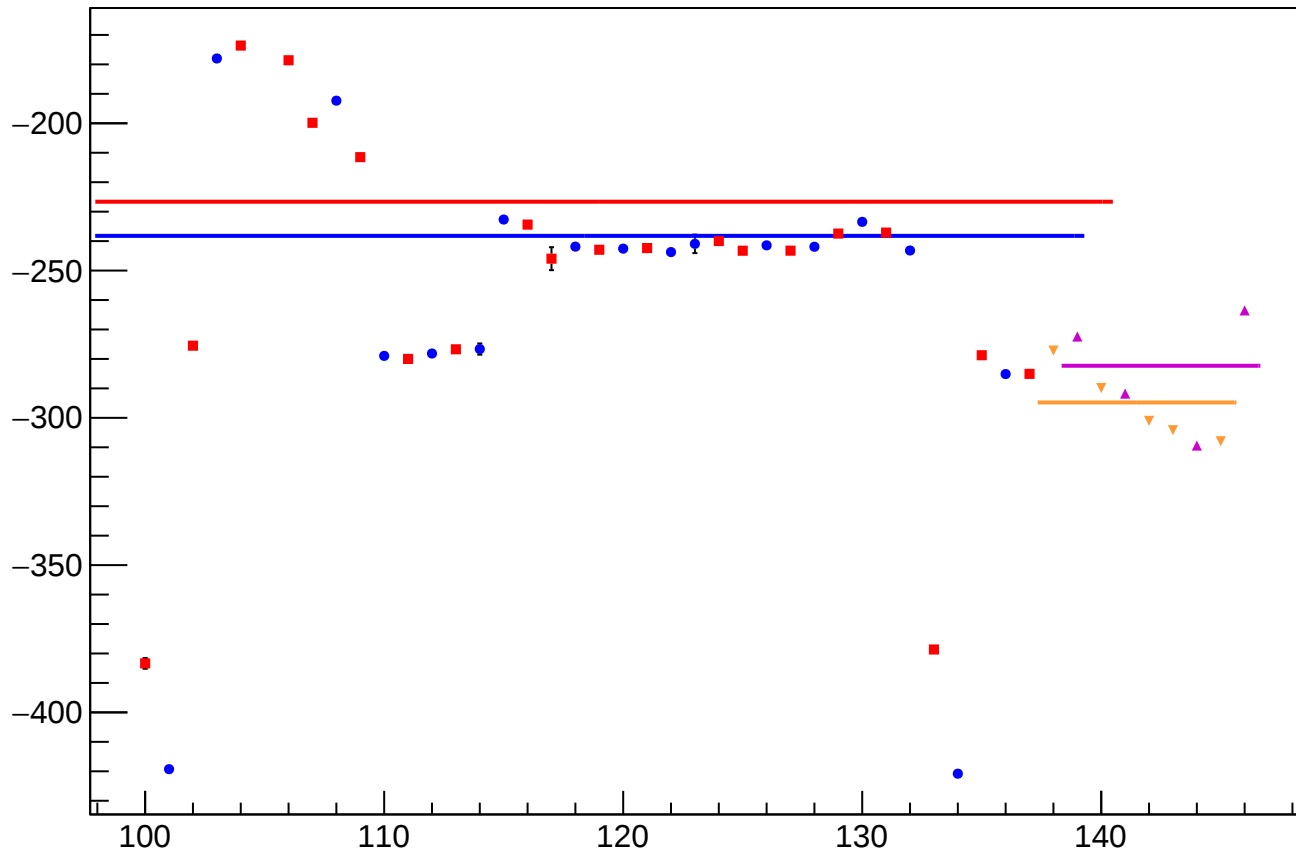
Right Out: 149.973 $\pm$ 3.038 χ^2 /NDF: 693.8/19

Left In: 130.935 $\pm$ 4.014 χ^2 /NDF:84.9/3

173.151 $\pm$ 2.538 χ^2 /NDF: 652.8/21

143.039 $\pm$ 2.423 χ^2 /NDF: 793.1/23

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -294.782+/-0.191 χ^2/NDF : 3765.0/4

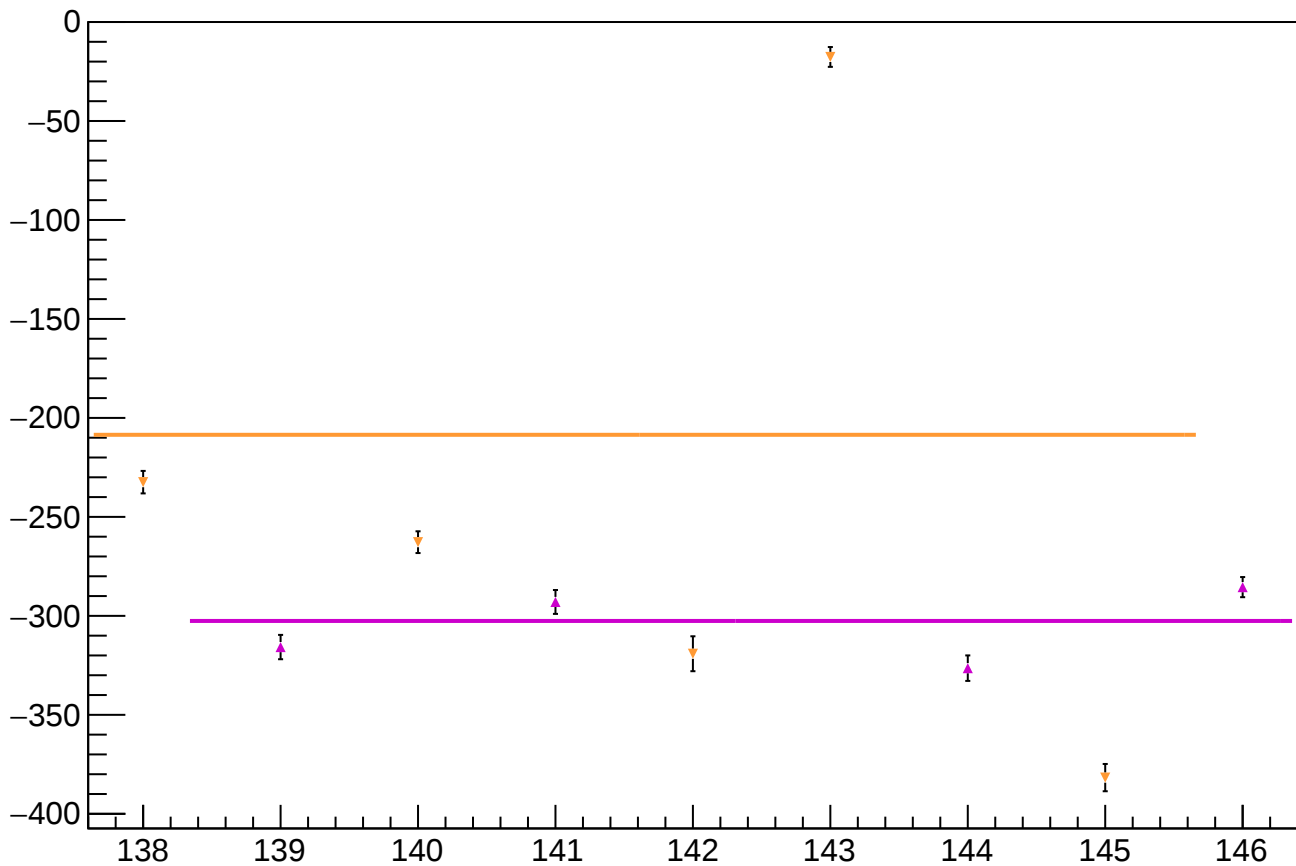
Right Out: -226.626+/-0.151 χ^2/NDF : 102587.0/19

Left In: -282.316+/-0.195 χ^2/NDF : 7825.7/3

-261.685+/-0.123 χ^2/NDF : 222444.1/21

-247.546+/-0.119 χ^2/NDF : 161432.0/23

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -208.531+/-2.693 χ^2/NDF : 2357.3/4

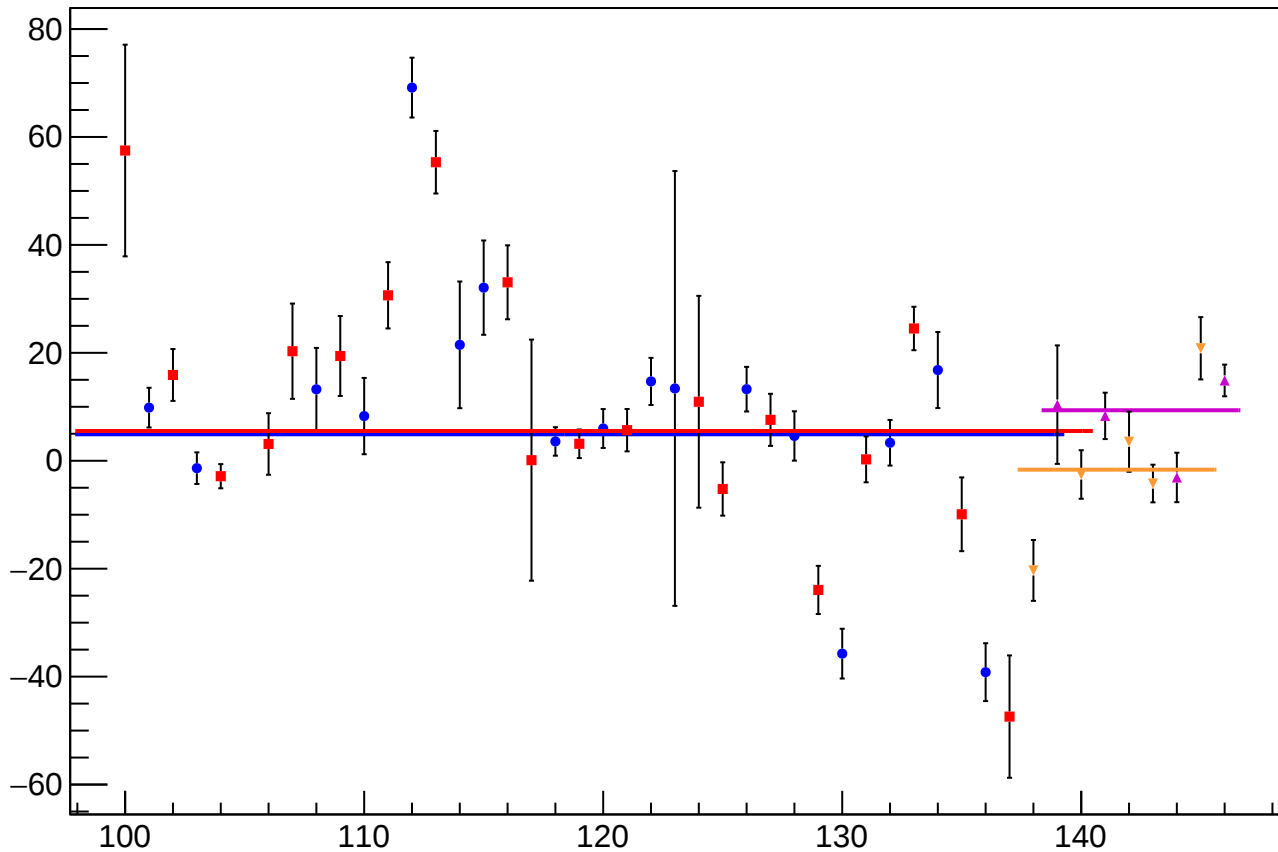
-208.531+/-2.693 χ^2/NDF : 2357.3/4

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

-302.570+/-2.927 χ^2/NDF : 32.1/3

Left In: -302.570+/-2.927 χ^2/NDF : 32.1/3

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: -1.651 ± 2.107 $\chi^2/\text{NDF}: 27.6/4$

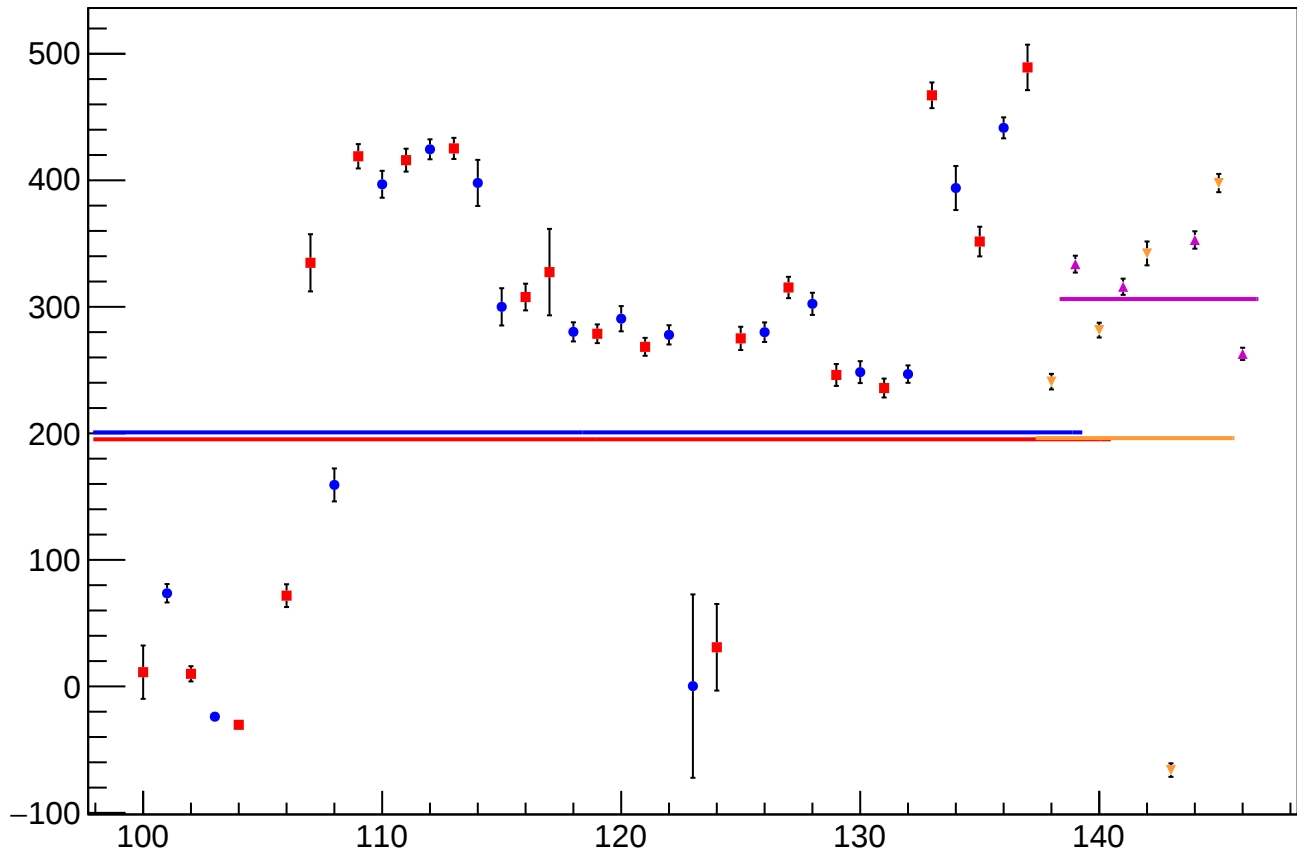
Right Out: 5.517 ± 1.067 $\chi^2/\text{NDF}: 239.0/19$

Left In: 9.359 ± 2.103 $\chi^2/\text{NDF}: 11.0/3$

3.490 ± 0.979 $\chi^2/\text{NDF}: 346.8/21$

6.304 ± 0.952 $\chi^2/\text{NDF}: 252.6/23$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 196.251 $\pm$ 2.875 χ^2 /NDF: 3692.7/4

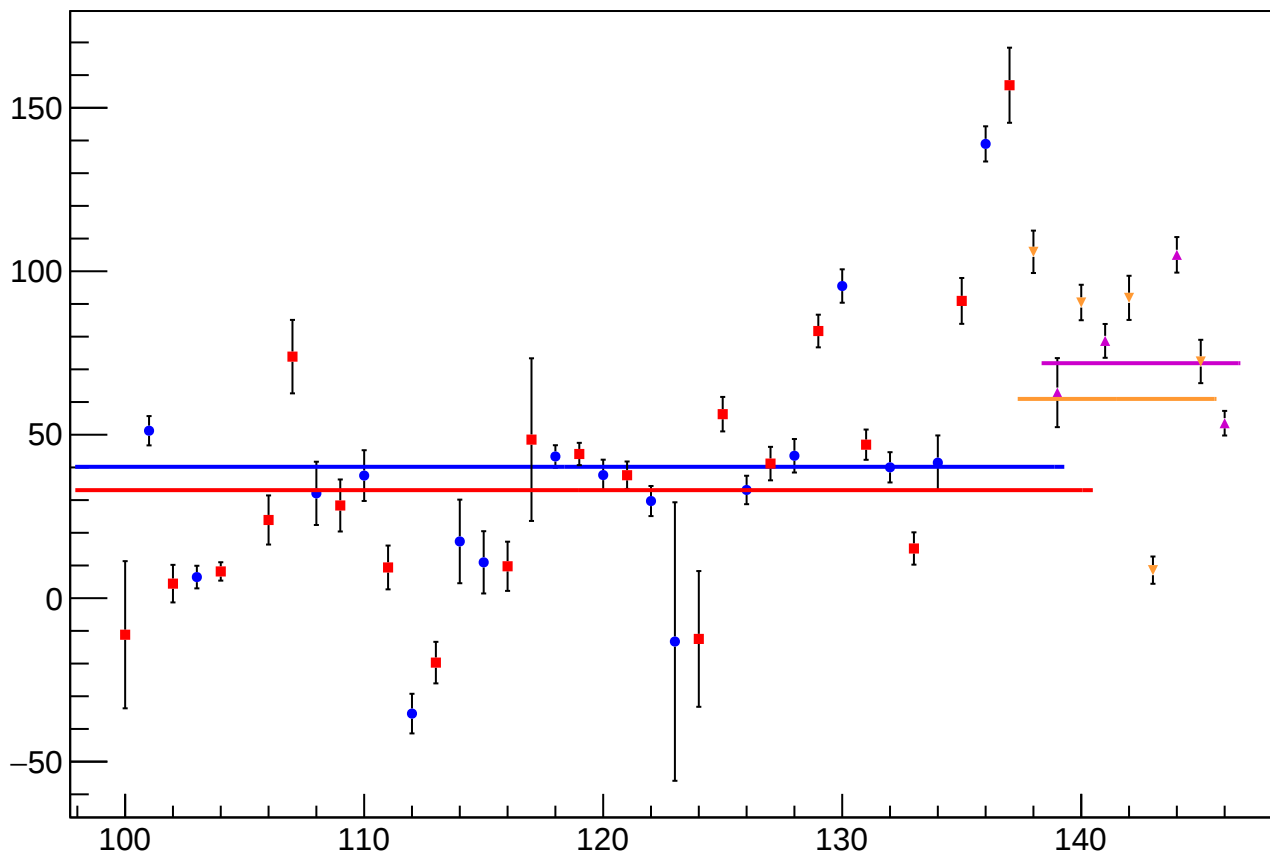
Right Out: 195.311 $\pm$ 1.921 χ^2 /NDF: 8262.1/19

Left In: 306.208 $\pm$ 3.011 χ^2 /NDF: 145.0/3

199.315 $\pm$ 1.632 χ^2 /NDF: 10427.3/21

227.390 $\pm$ 1.619 χ^2 /NDF: 9371.3/23

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 χ^2/NDF : 734.6/16

Left Out: 60.953 ± 2.501 χ^2/NDF : 259.4/4

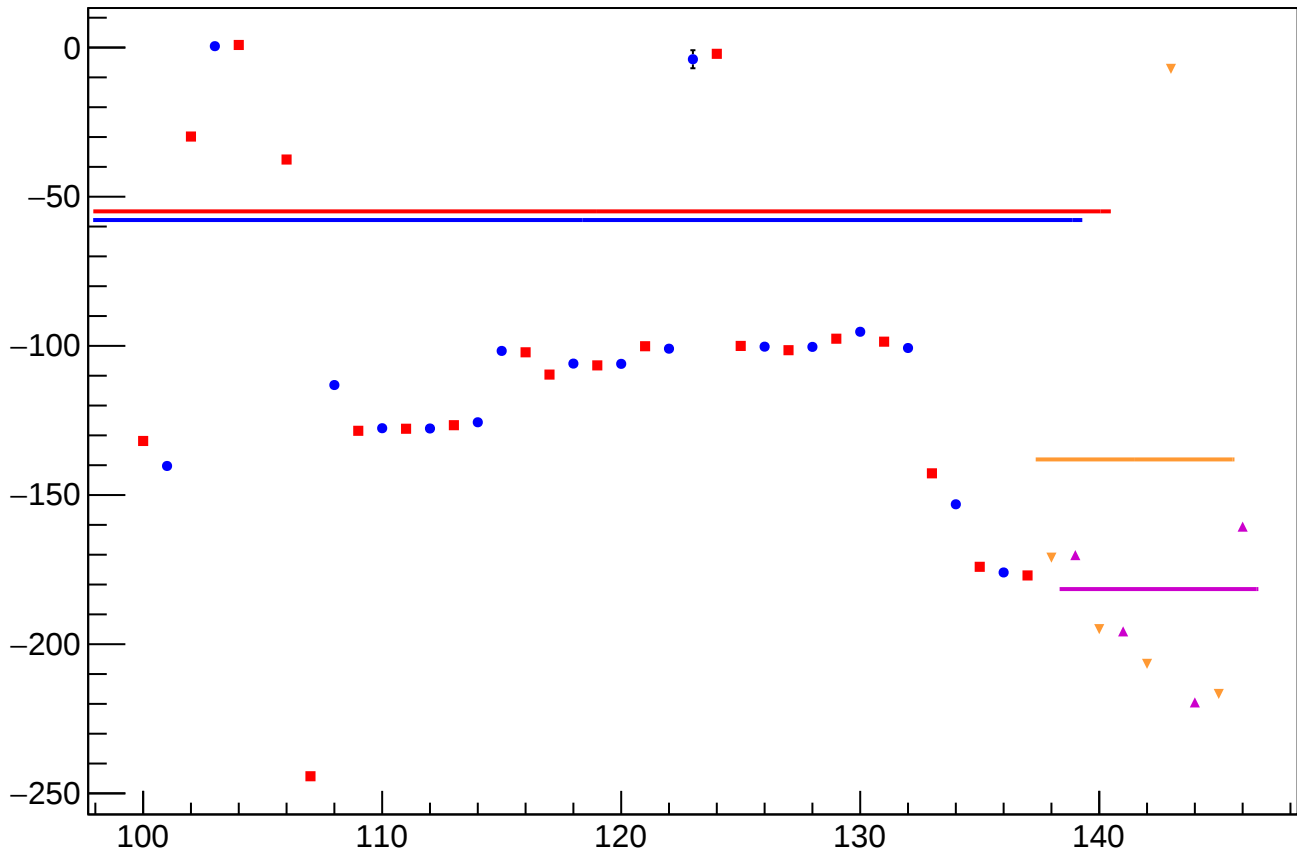
Right Out: 33.045 ± 1.249 χ^2/NDF : 553.1/19

Left In: 71.880 ± 2.576 χ^2/NDF : 63.4/3

44.514 ± 1.142 χ^2/NDF : 1048.5/21

40.434 ± 1.124 χ^2/NDF : 800.5/23

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 +/- 0.062 χ^2/NDF : 1101296.2/16

Left Out: -138.065 +/- 0.117 χ^2/NDF : 551132.6/4

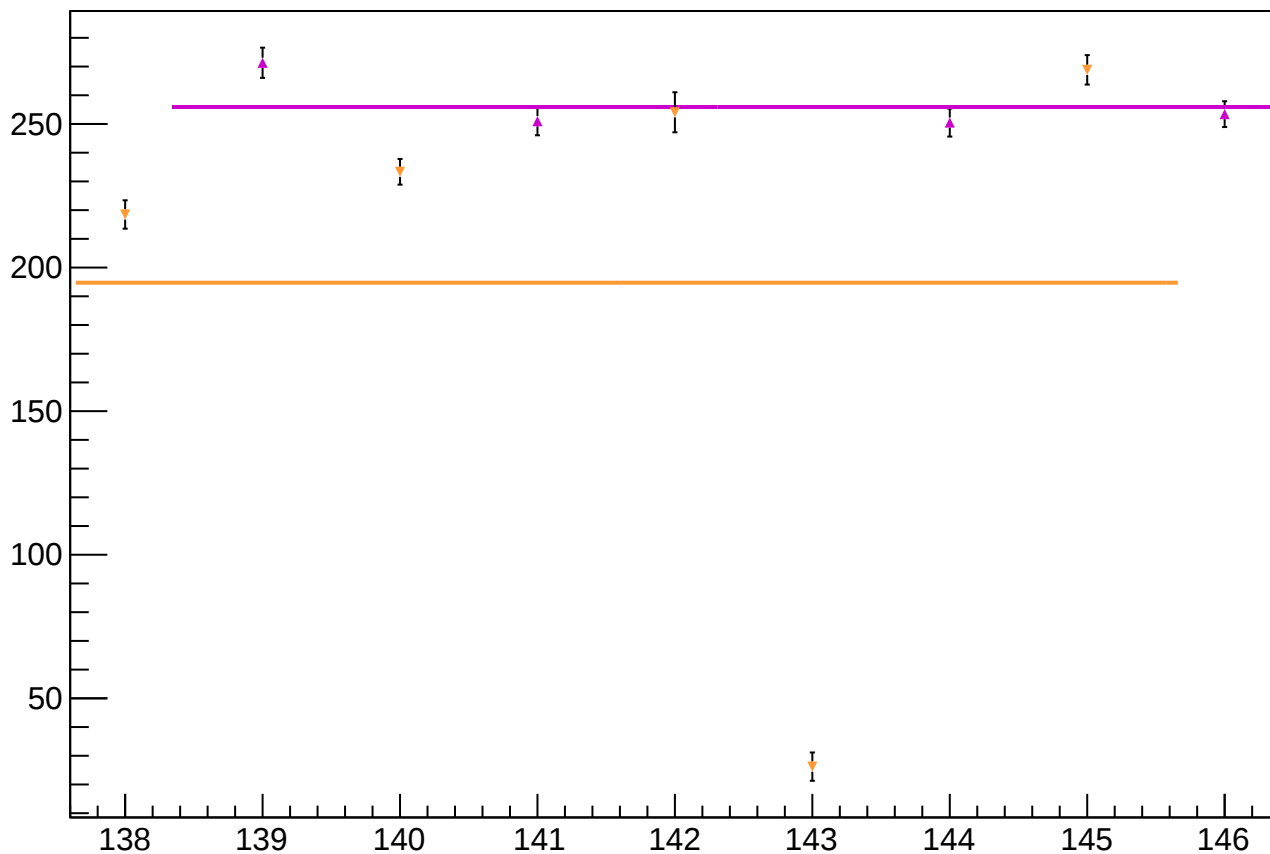
Right Out: -54.915 +/- 0.060 χ^2/NDF : 1001968.3/19

Left In: -181.521 +/- 0.125 χ^2/NDF : 29956.0/3

-75.343 +/- 0.055 χ^2/NDF : 2020704.3/21

-78.782 +/- 0.054 χ^2/NDF : 1866099.1/23

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 194.730+/-2.292 χ^2/NDF : 1546.2/4

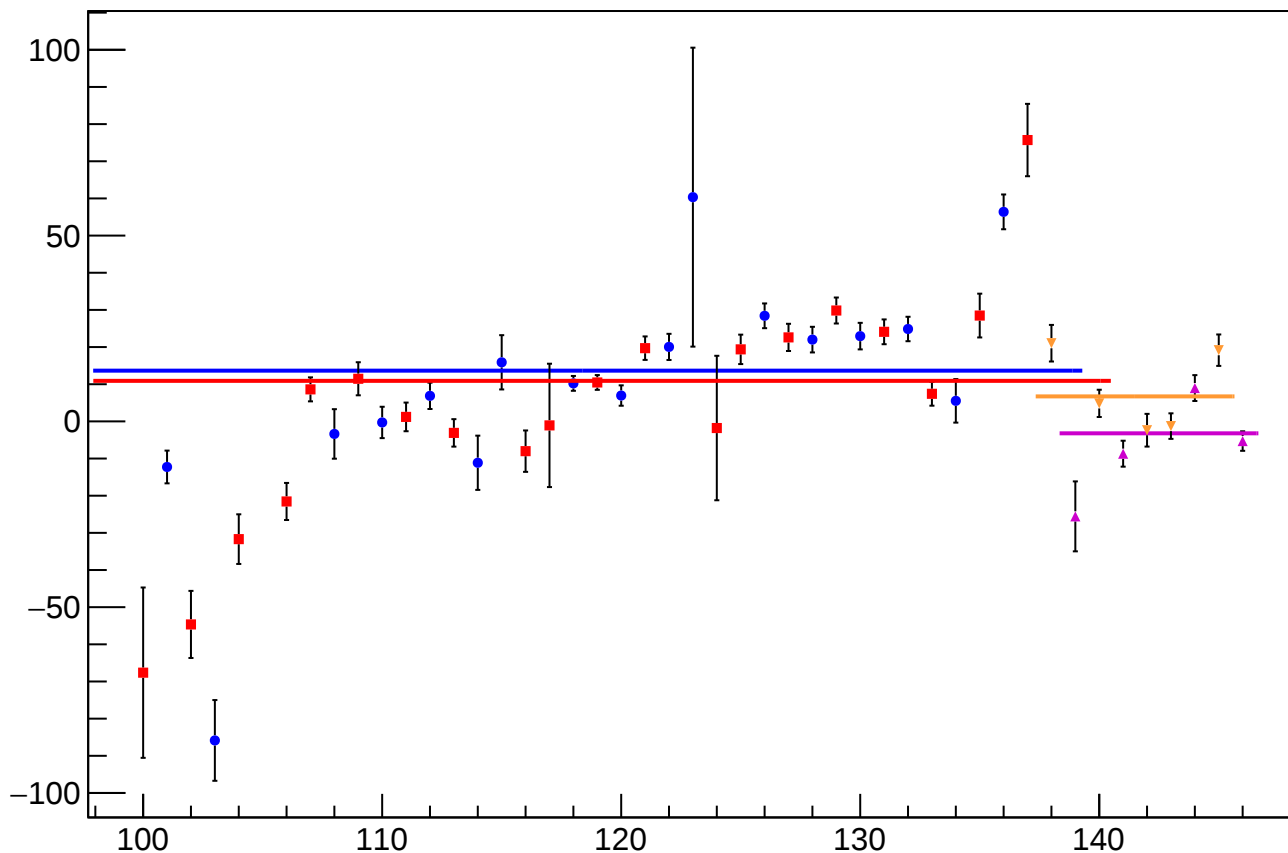
194.730+/-2.292 χ^2/NDF : 1546.2/4

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

255.912+/-2.430 χ^2/NDF : 11.1/3

Left In: 255.912+/-2.430 χ^2/NDF : 11.1/3

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 ± 0.936 $\chi^2/\text{NDF}: 294.0/16$

Left Out: 6.723 ± 1.803 $\chi^2/\text{NDF}: 27.0/4$

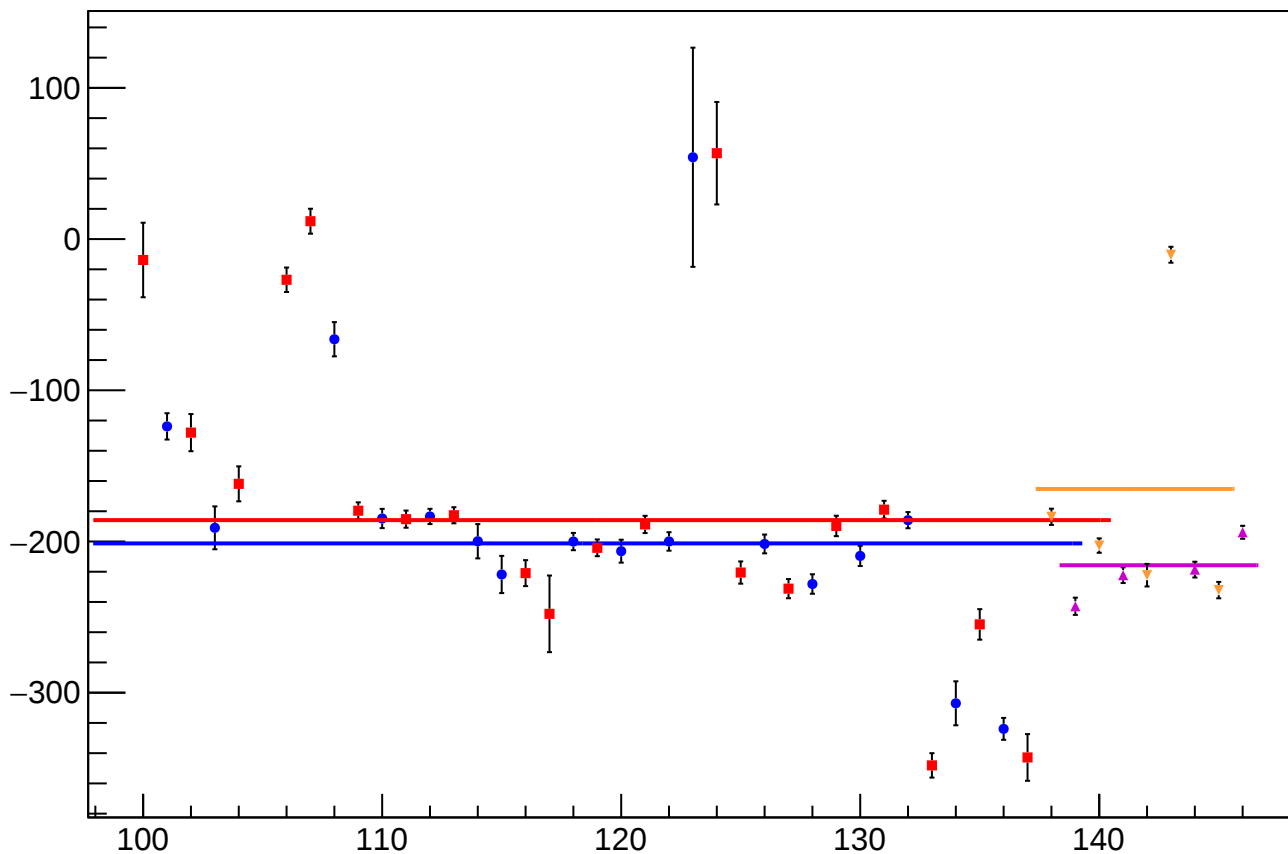
Right Out: 10.908 ± 0.912 $\chi^2/\text{NDF}: 303.1/19$

Left In: -3.214 ± 1.765 $\chi^2/\text{NDF}: 21.0/3$

12.180 ± 0.831 $\chi^2/\text{NDF}: 332.7/21$

7.932 ± 0.810 $\chi^2/\text{NDF}: 374.6/23$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -165.257 ± 2.448 χ^2/NDF : 1149.8/4

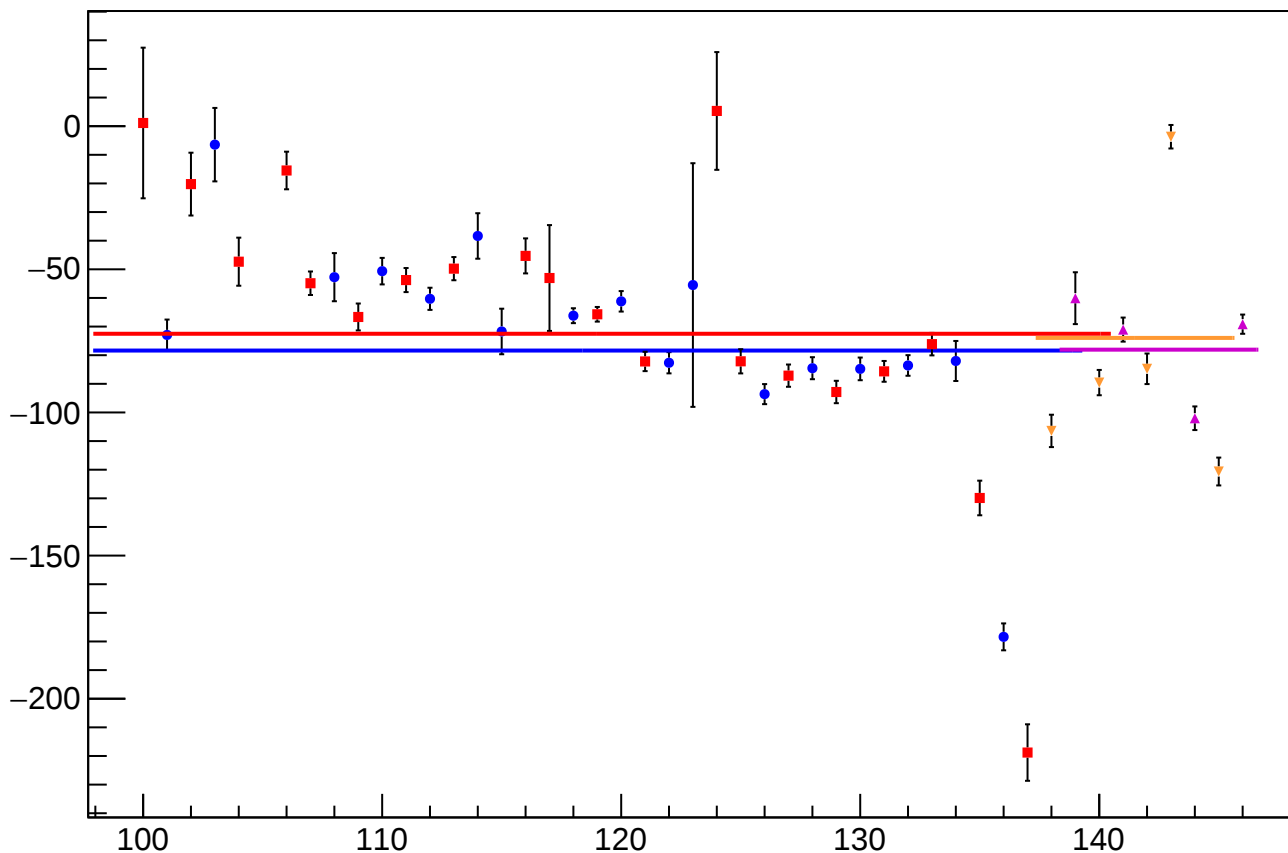
Right Out: -185.871 ± 1.695 χ^2/NDF : 1752.0/19

Left In: -215.722 ± 2.511 χ^2/NDF : 50.3/3

-188.672 ± 1.448 χ^2/NDF : 1913.9/21

-195.217 ± 1.405 χ^2/NDF : 1899.4/23

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -73.964 ± 2.136 χ^2/NDF : 434.5/4

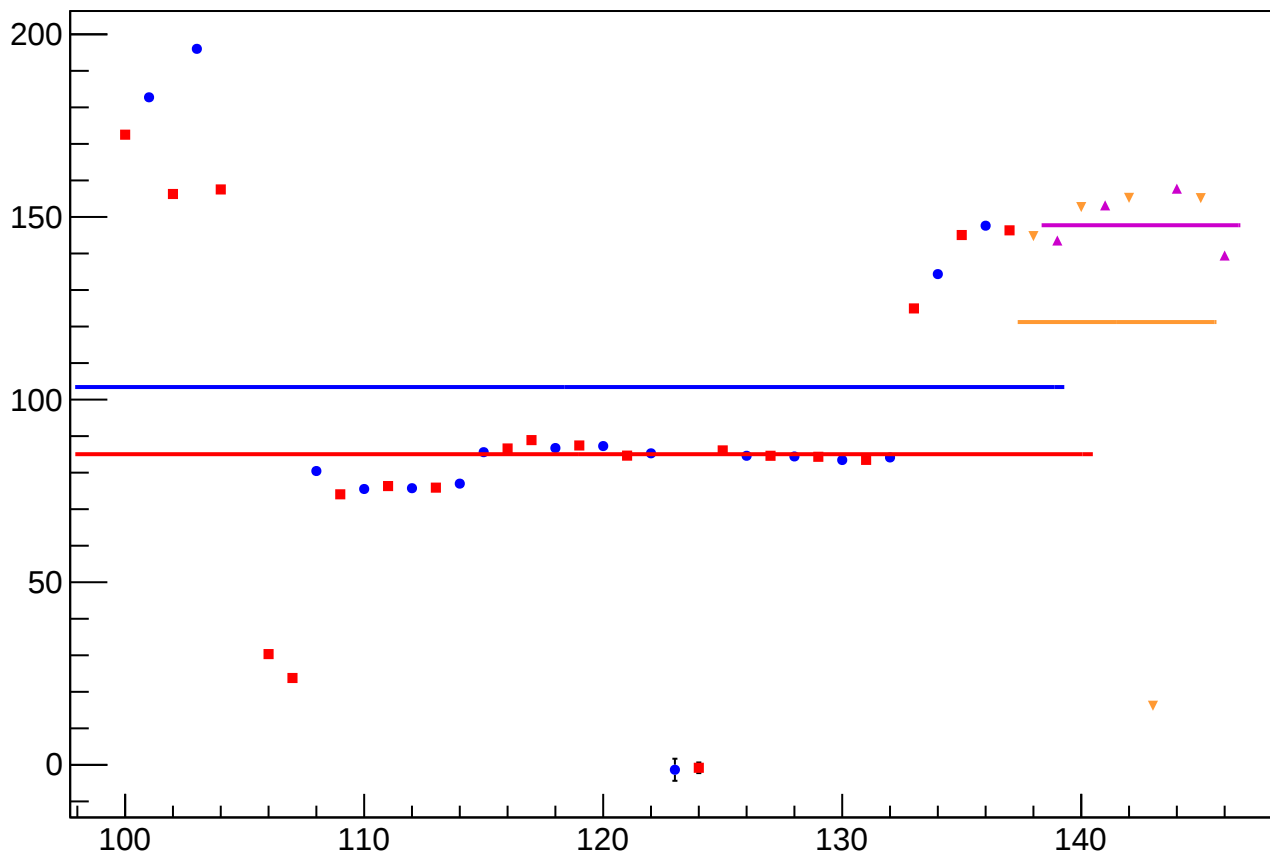
Right Out: -72.514 ± 1.050 χ^2/NDF : 607.0/19

Left In: -78.065 ± 2.150 χ^2/NDF : 47.4/3

-77.476 ± 0.965 χ^2/NDF : 1089.2/21

-73.582 ± 0.943 χ^2/NDF : 659.8/23

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436+/-0.071 χ^2/NDF : 272785.6/16

Left Out: 121.232+/-0.100 χ^2/NDF : 322193.3/4

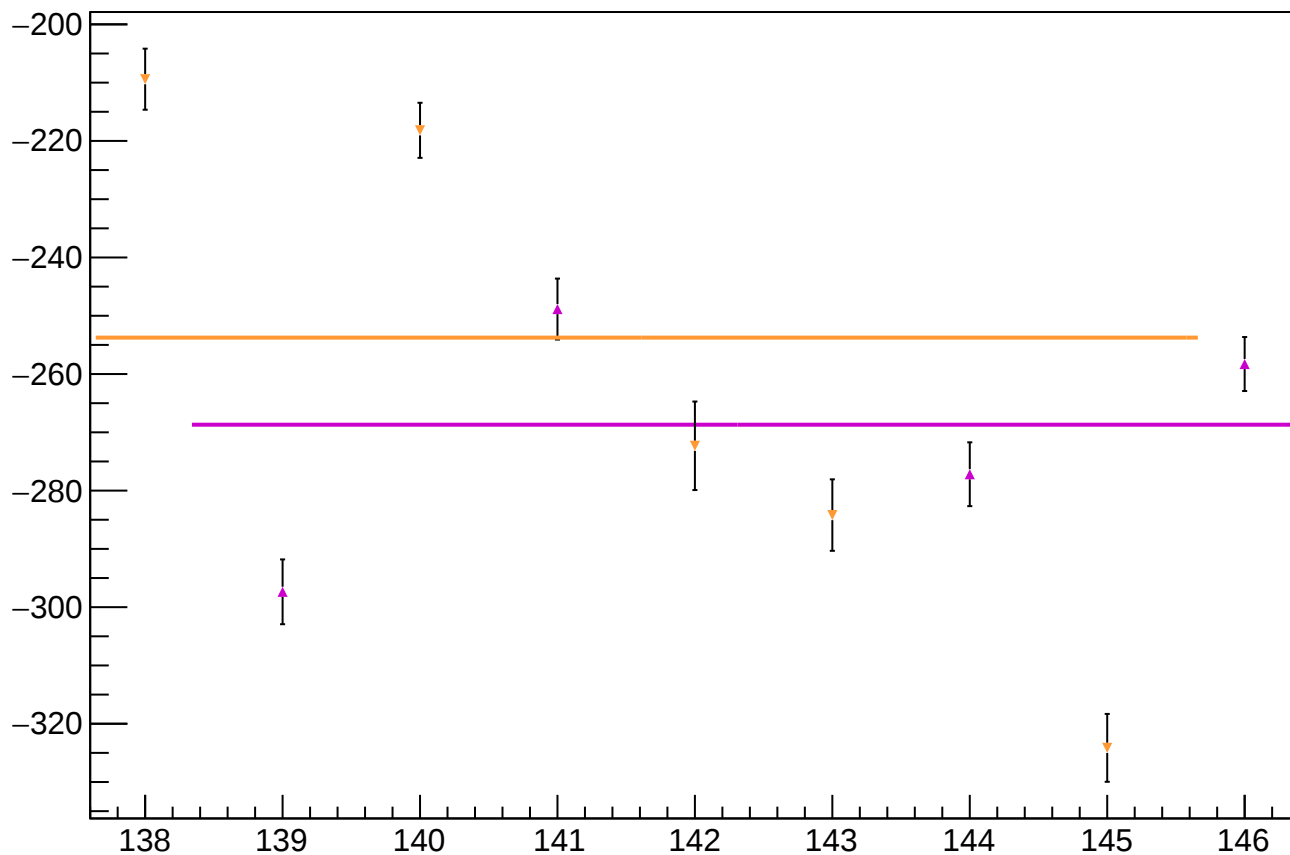
Right Out: 85.054+/-0.064 χ^2/NDF : 422354.0/19

Left In: 147.733+/-0.104 χ^2/NDF : 4769.7/3

109.421+/-0.058 χ^2/NDF : 616178.6/21

102.078+/-0.054 χ^2/NDF : 690540.1/23

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -253.748+/-2.543 χ^2/NDF : 305.0/4

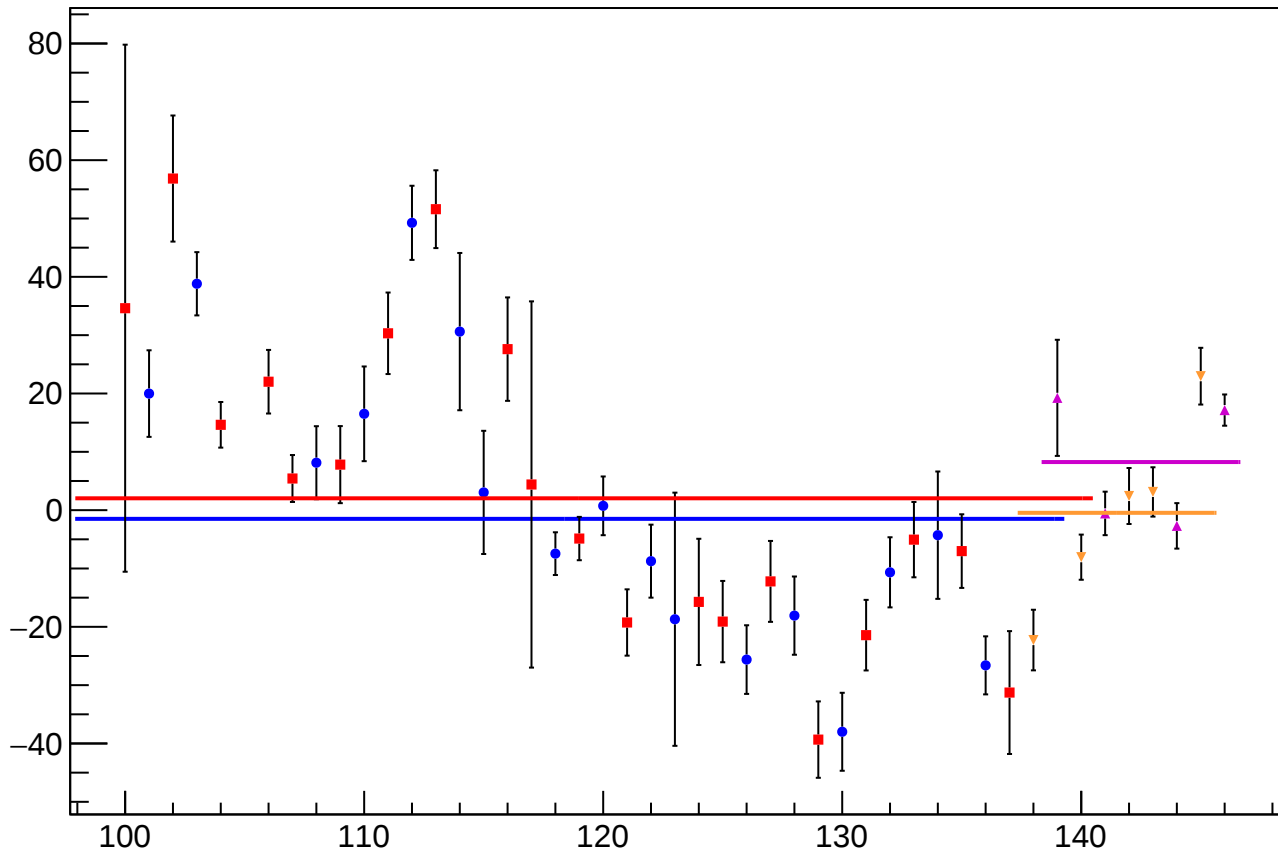
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -268.693+/-2.592 χ^2/NDF : 48.4/3

-253.748+/-2.543 χ^2/NDF : 305.0/4

-268.693+/-2.592 χ^2/NDF : 48.4/3

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 ± 1.536 $\chi^2/\text{NDF}: 226.0/16$

Left Out: -0.456 ± 2.019 $\chi^2/\text{NDF}: 45.8/4$

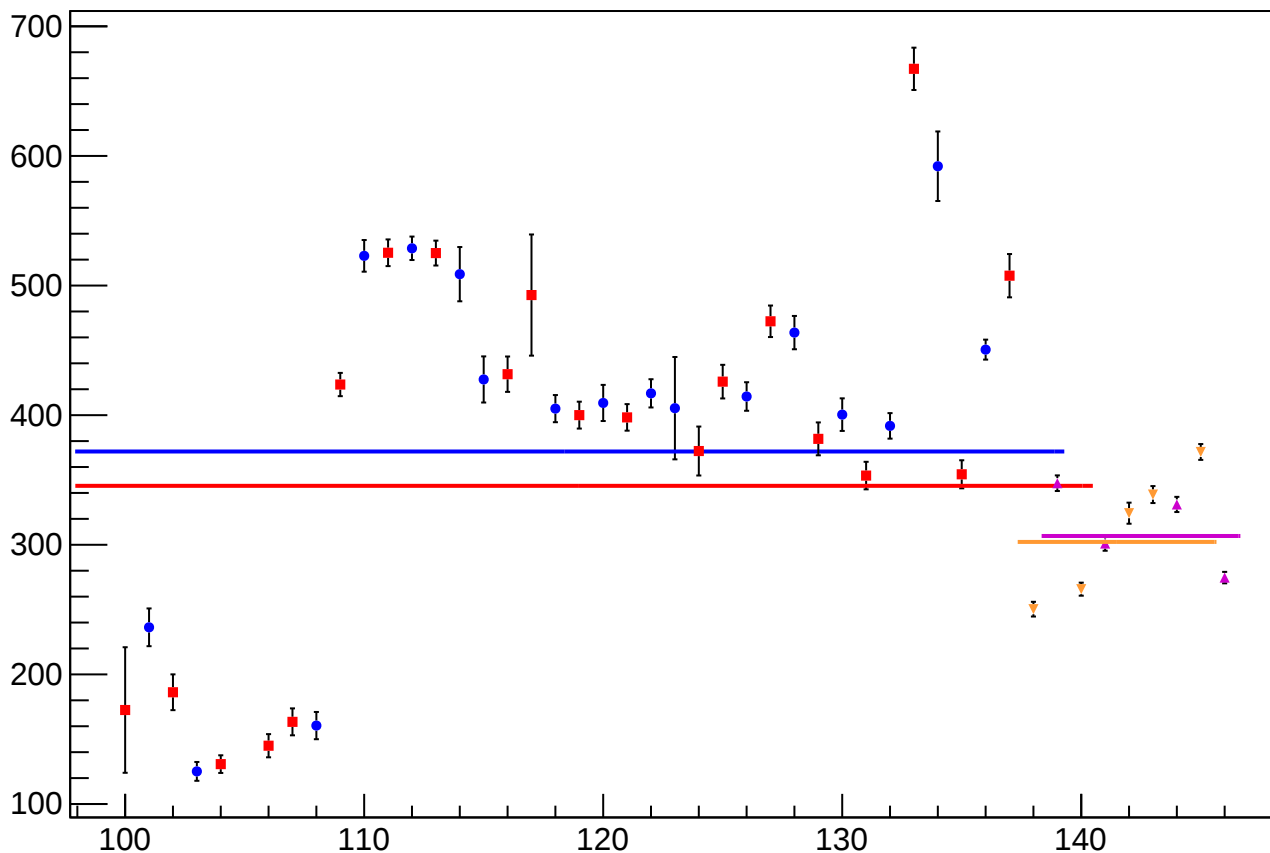
Right Out: 2.032 ± 1.398 $\chi^2/\text{NDF}: 233.3/19$

Left In: 8.248 ± 1.866 $\chi^2/\text{NDF}: 25.7/3$

-1.111 ± 1.223 $\chi^2/\text{NDF}: 271.9/21$

4.267 ± 1.119 $\chi^2/\text{NDF}: 266.1/23$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 $\pm$ 2.778 χ^2/NDF : 2432.6/16

Left Out: 302.206 $\pm$ 2.714 χ^2/NDF : 303.6/4

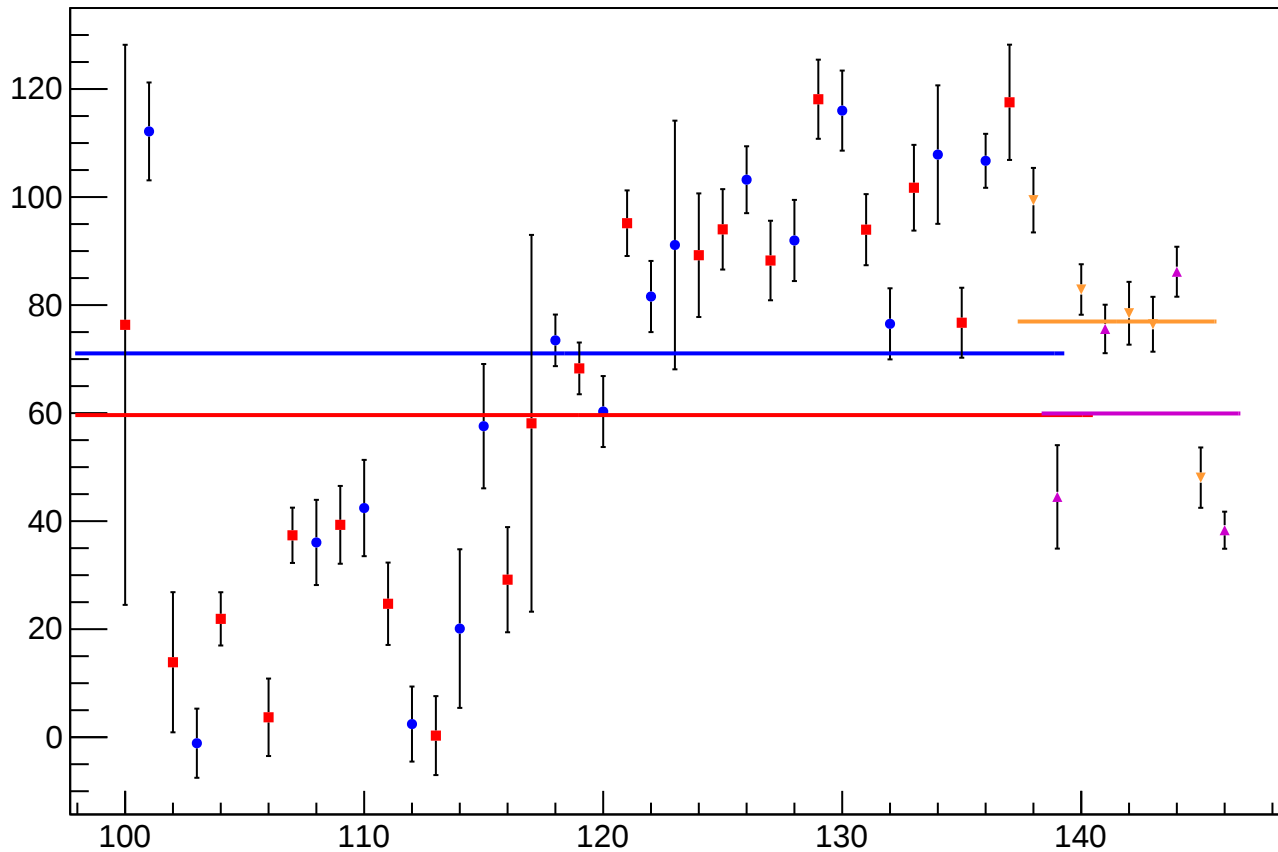
Right Out: 345.485 $\pm$ 2.558 χ^2/NDF : 3425.1/19

Left In: 306.789 $\pm$ 2.671 χ^2/NDF : 116.7/3

336.280 $\pm$ 1.941 χ^2/NDF : 3059.0/21

326.973 $\pm$ 1.848 χ^2/NDF : 3651.3/23

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 76.960 $\pm$ 2.396 χ^2 /NDF: 42.6/4

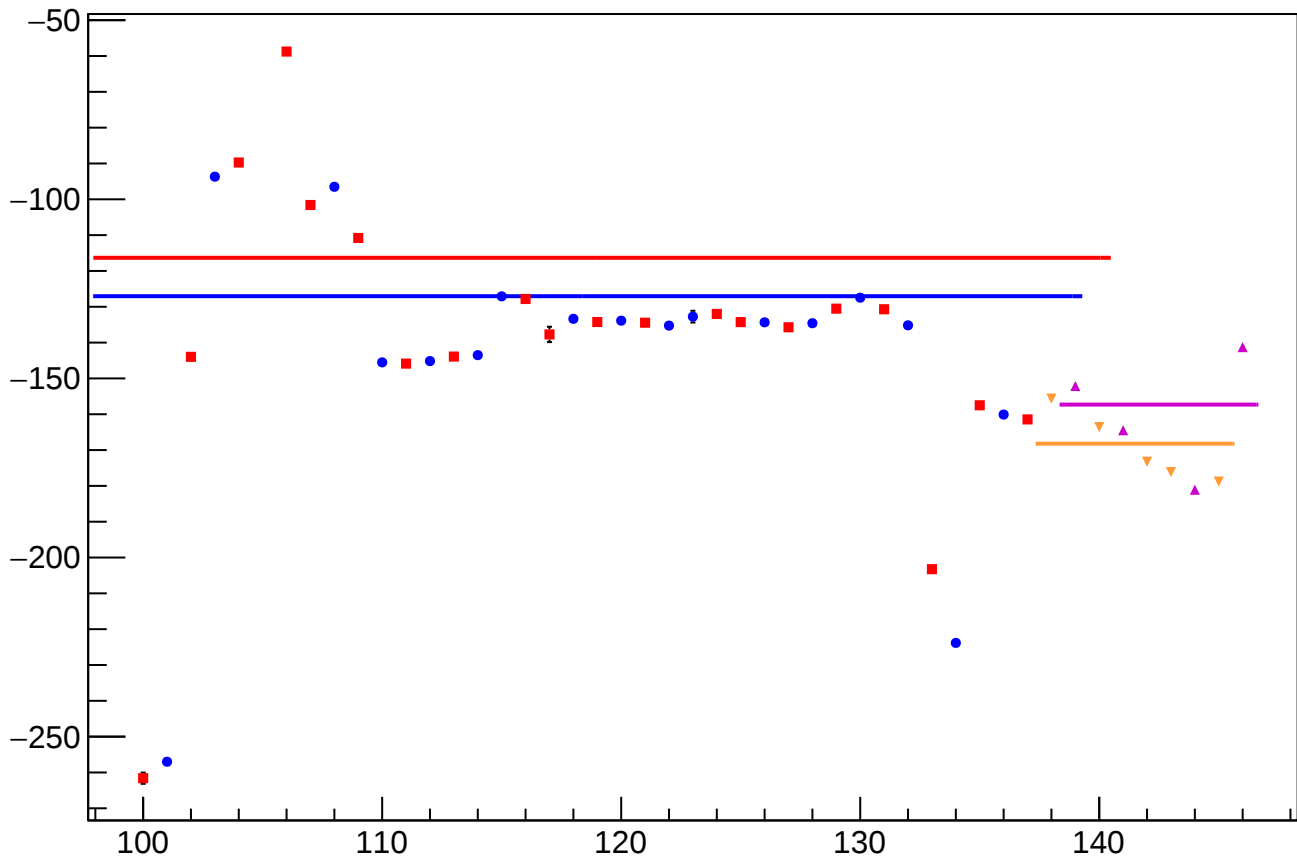
Right Out: 59.634 $\pm$ 1.629 χ^2 /NDF: 491.6/19

Left In: 59.933 $\pm$ 2.281 χ^2 /NDF: 86.6/3

73.131 $\pm$ 1.421 χ^2 /NDF: 472.7/21

59.735 $\pm$ 1.326 χ^2 /NDF: 578.2/23

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -168.220+/-0.111 χ^2/NDF : 6627.8/4

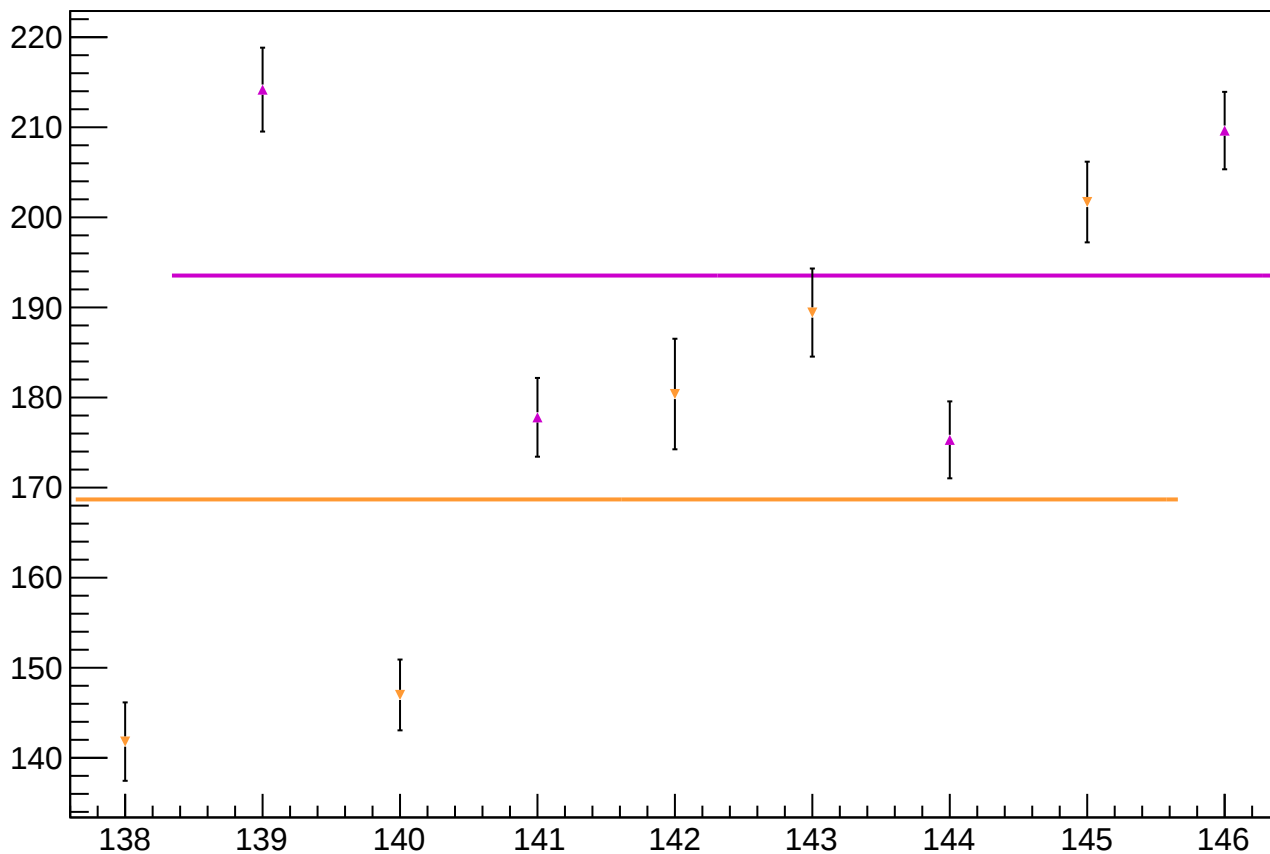
Right Out: -116.327+/-0.083 χ^2/NDF : 167208.7/19

Left In: -157.309+/-0.111 χ^2/NDF : 16426.9/3

-143.342+/-0.070 χ^2/NDF : 256870.5/21

-131.032+/-0.066 χ^2/NDF : 271274.2/23

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 168.685+/-2.060 χ^2/NDF : 144.6/4

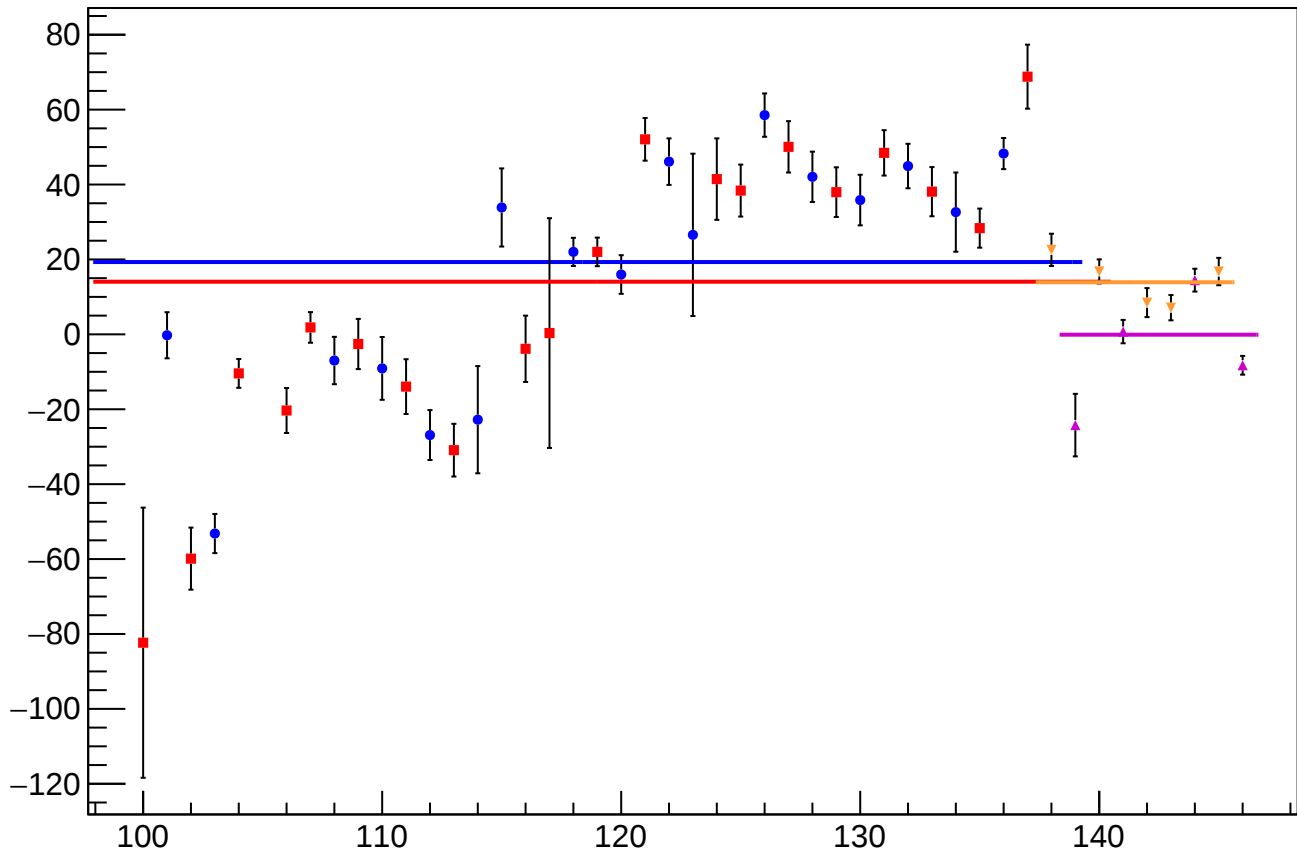
168.685+/-2.060 χ^2/NDF : 144.6/4

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

193.540+/-2.196 χ^2/NDF : 64.9/3

Left In: 193.540+/-2.196 χ^2/NDF : 64.9/3

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 ± 1.500 $\chi^2/\text{NDF}: 441.3/16$

Left Out: 13.912 ± 1.623 $\chi^2/\text{NDF}: 11.5/4$

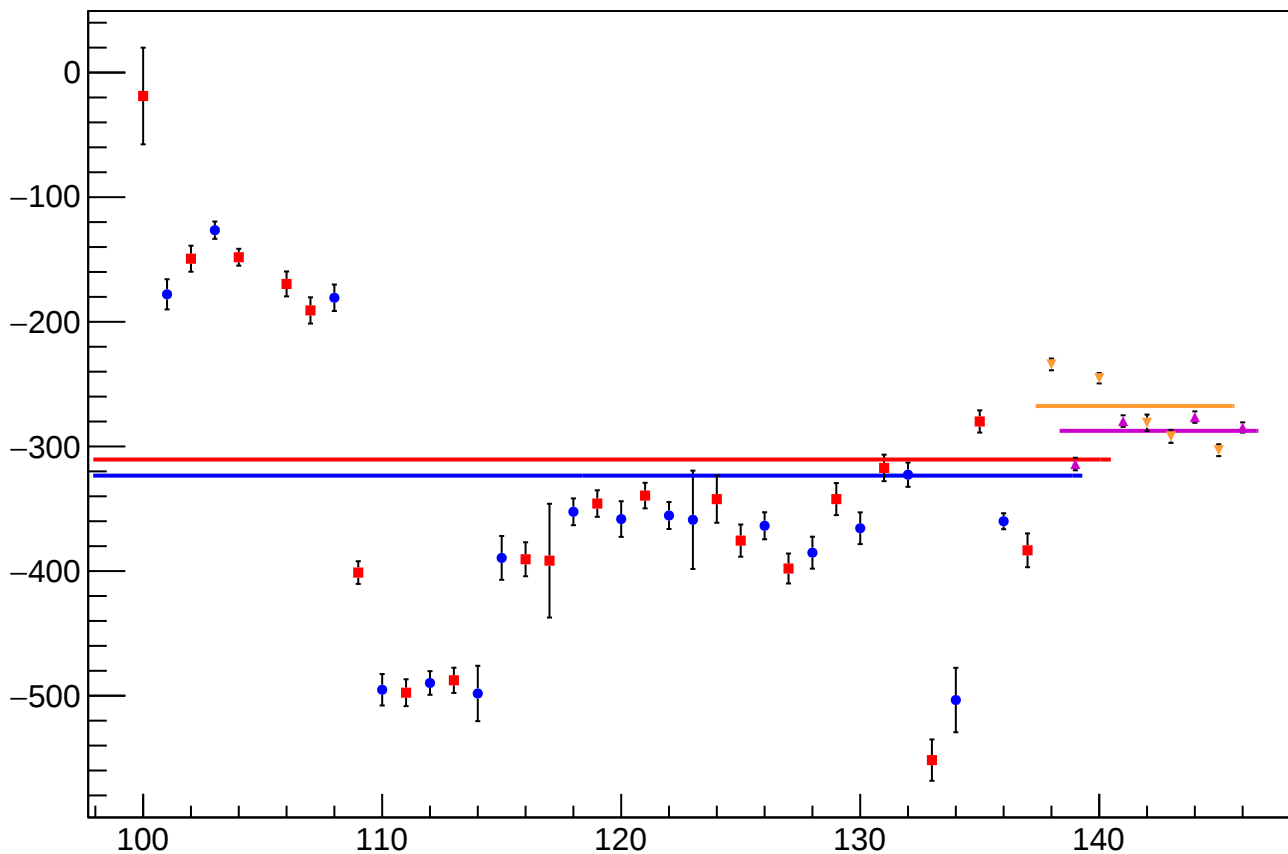
Right Out: 14.055 ± 1.388 $\chi^2/\text{NDF}: 437.1/19$

Left In: -0.092 ± 1.613 $\chi^2/\text{NDF}: 41.9/3$

16.821 ± 1.102 $\chi^2/\text{NDF}: 458.7/21$

8.036 ± 1.052 $\chi^2/\text{NDF}: 523.1/23$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -267.581 ± 2.202 $\chi^2/\text{NDF}: 160.3/4$

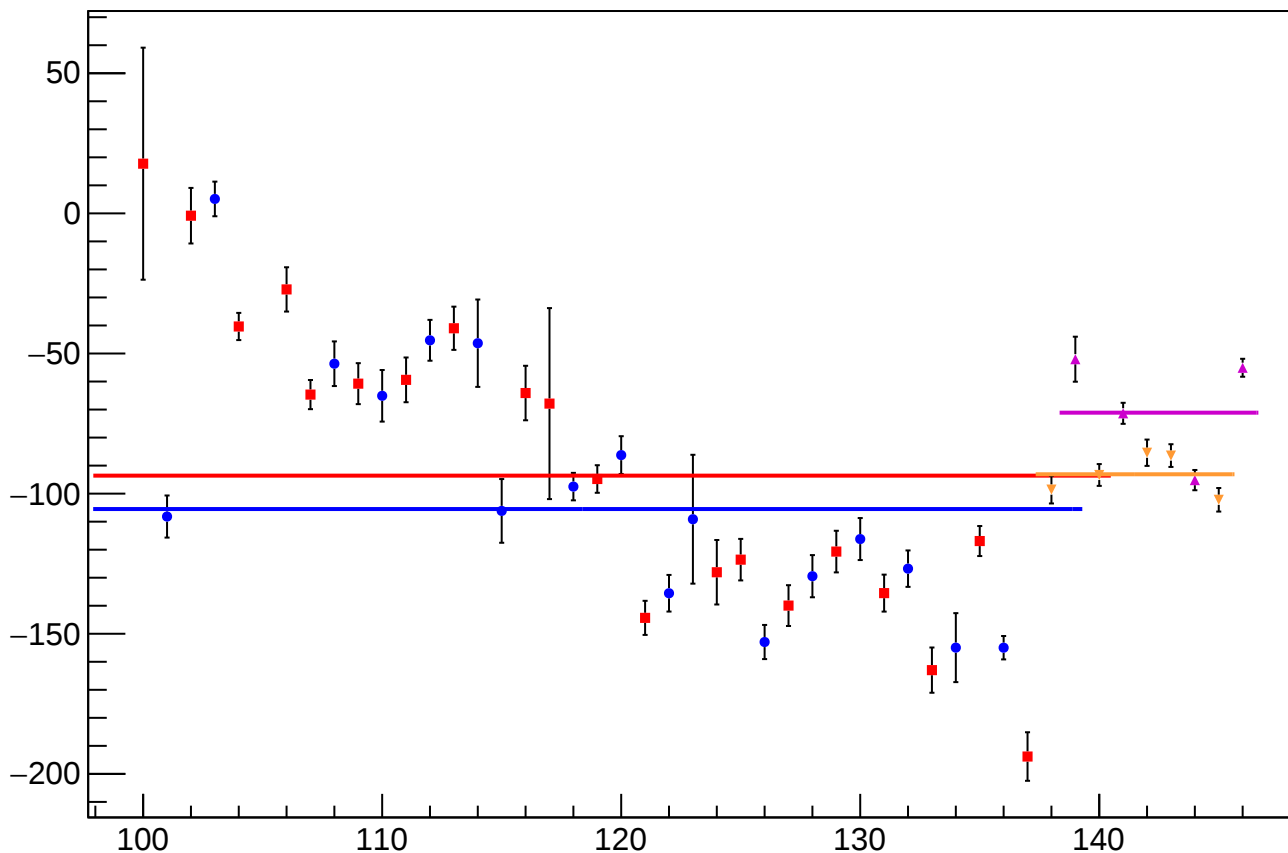
Right Out: -310.484 ± 2.520 $\chi^2/\text{NDF}: 2302.0/19$

Left In: -287.459 ± 2.278 $\chi^2/\text{NDF}: 36.9/3$

-290.033 ± 1.702 $\chi^2/\text{NDF}: 2268.5/21$

-297.815 ± 1.690 $\chi^2/\text{NDF}: 2384.9/23$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496+/-1.712 χ^2 /NDF: 737.3/16

Left Out: -93.093+/-1.926 χ^2 /NDF:11.3/4

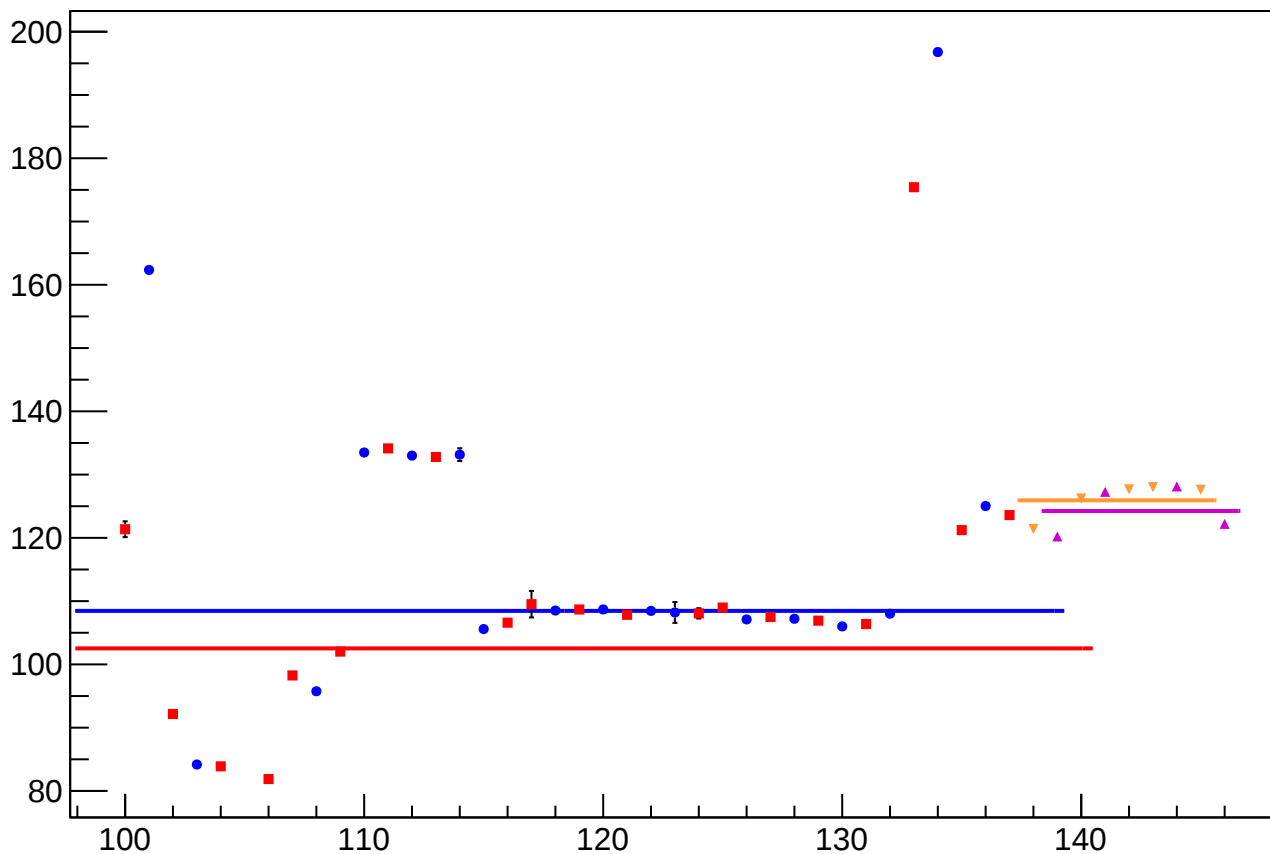
Right Out: -93.579+/-1.608 χ^2 /NDF: 827.7/19

Left In: -71.113+/-1.959 χ^2 /NDF:75.0/3

-100.021+/-1.279 χ^2 /NDF: 771.8/21

-84.533+/-1.243 χ^2 /NDF: 981.2/23

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 +/- 0.085 χ^2/NDF : 73301.9/16

Left Out: 125.930 +/- 0.090 χ^2/NDF : 807.9/4

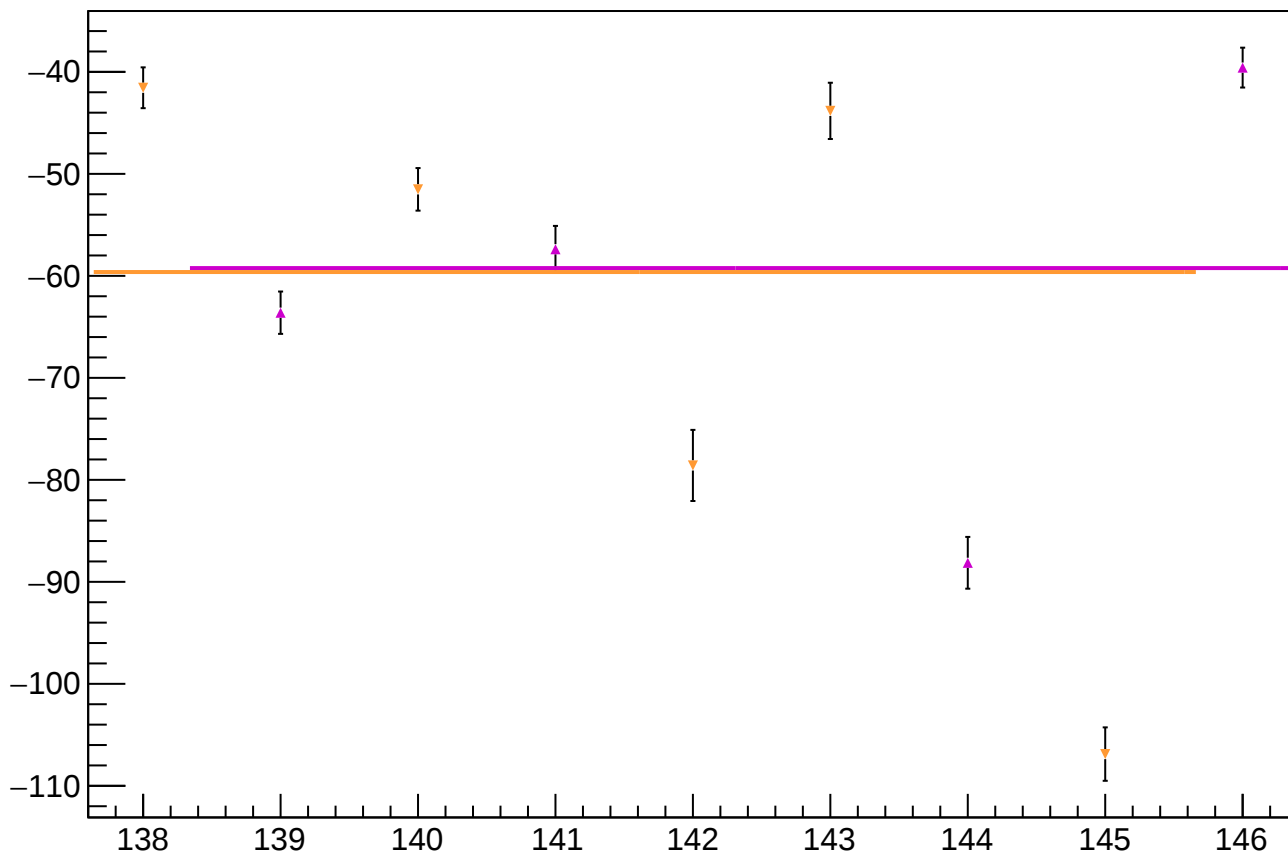
Right Out: 102.532 +/- 0.079 χ^2/NDF : 53003.2/19

Left In: 124.242 +/- 0.094 χ^2/NDF : 1268.7/3

116.720 +/- 0.062 χ^2/NDF : 94081.5/21

111.576 +/- 0.061 χ^2/NDF : 85347.1/23

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -59.624+/-1.092 χ^2/NDF : 484.7/4

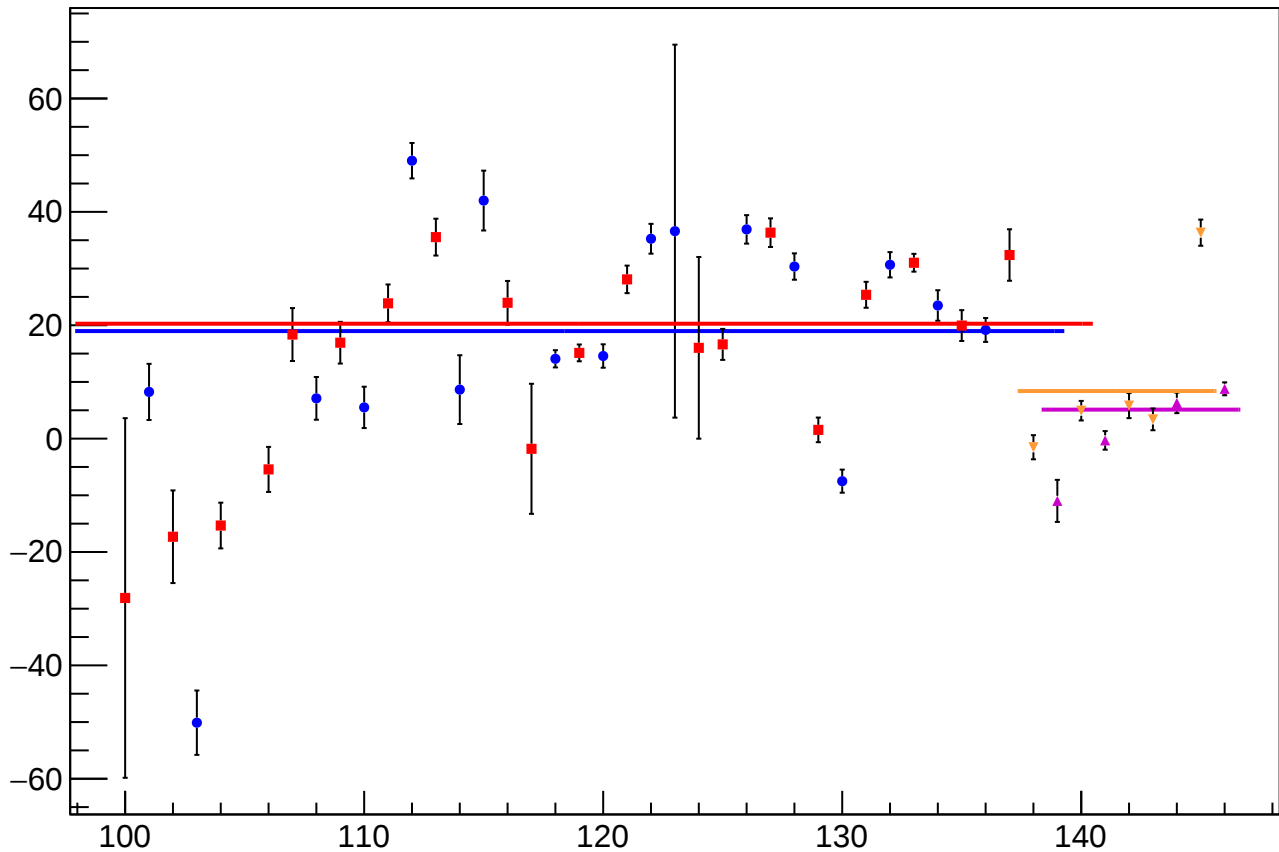
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -59.237+/-1.091 χ^2/NDF : 235.9/3

-59.624+/-1.092 χ^2/NDF : 484.7/4

-59.237+/-1.091 χ^2/NDF : 235.9/3

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970+/-0.653 χ^2 /NDF: 618.4/16

Left Out: 8.395+/-0.905 χ^2 /NDF:180.0/4

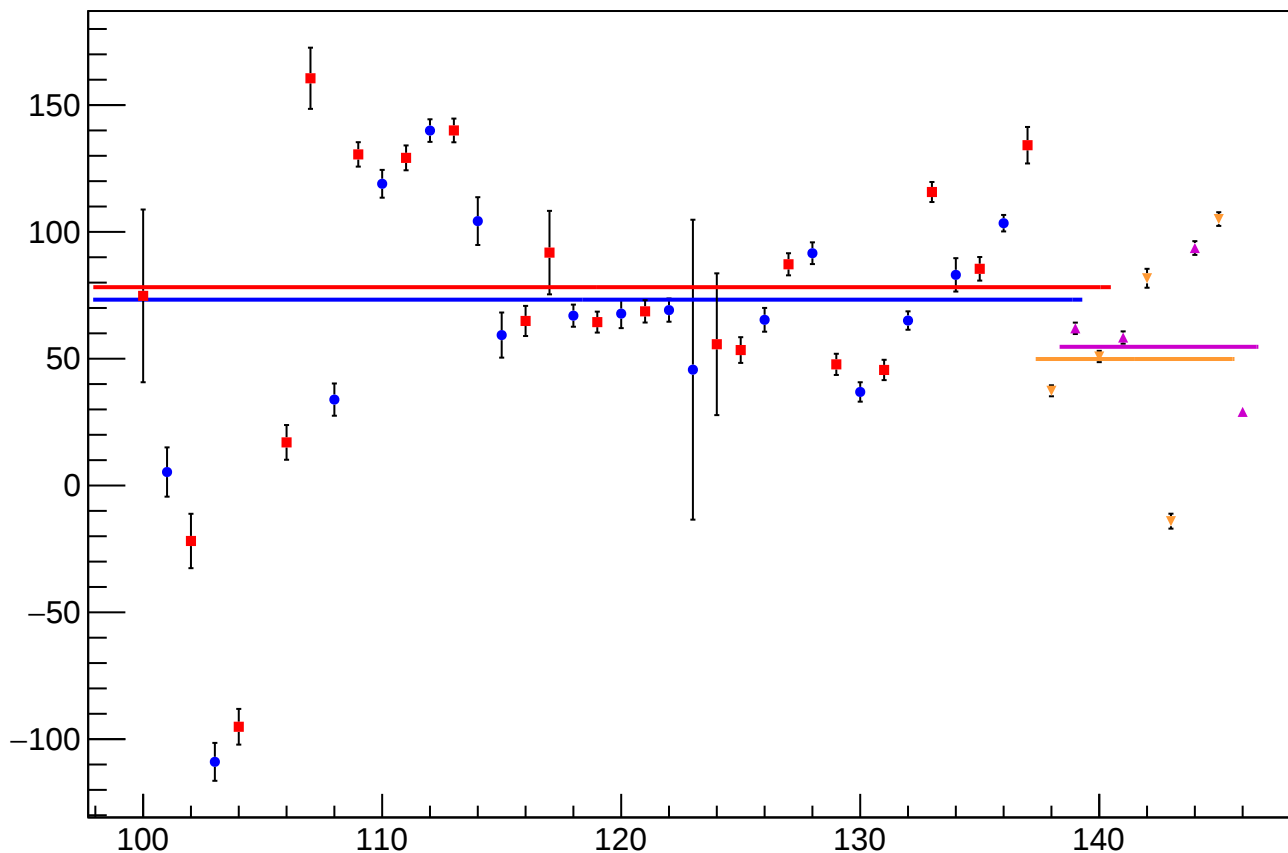
Right Out: 20.269+/-0.641 χ^2 /NDF: 370.1/19

Left In: 5.118+/-0.811 χ^2 /NDF:40.6/3

15.351+/-0.530 χ^2 /NDF: 888.2/21

14.438+/-0.503 χ^2 /NDF: 625.6/23

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 49.882 $\pm$ 1.164 χ^2 /NDF:994.3/4

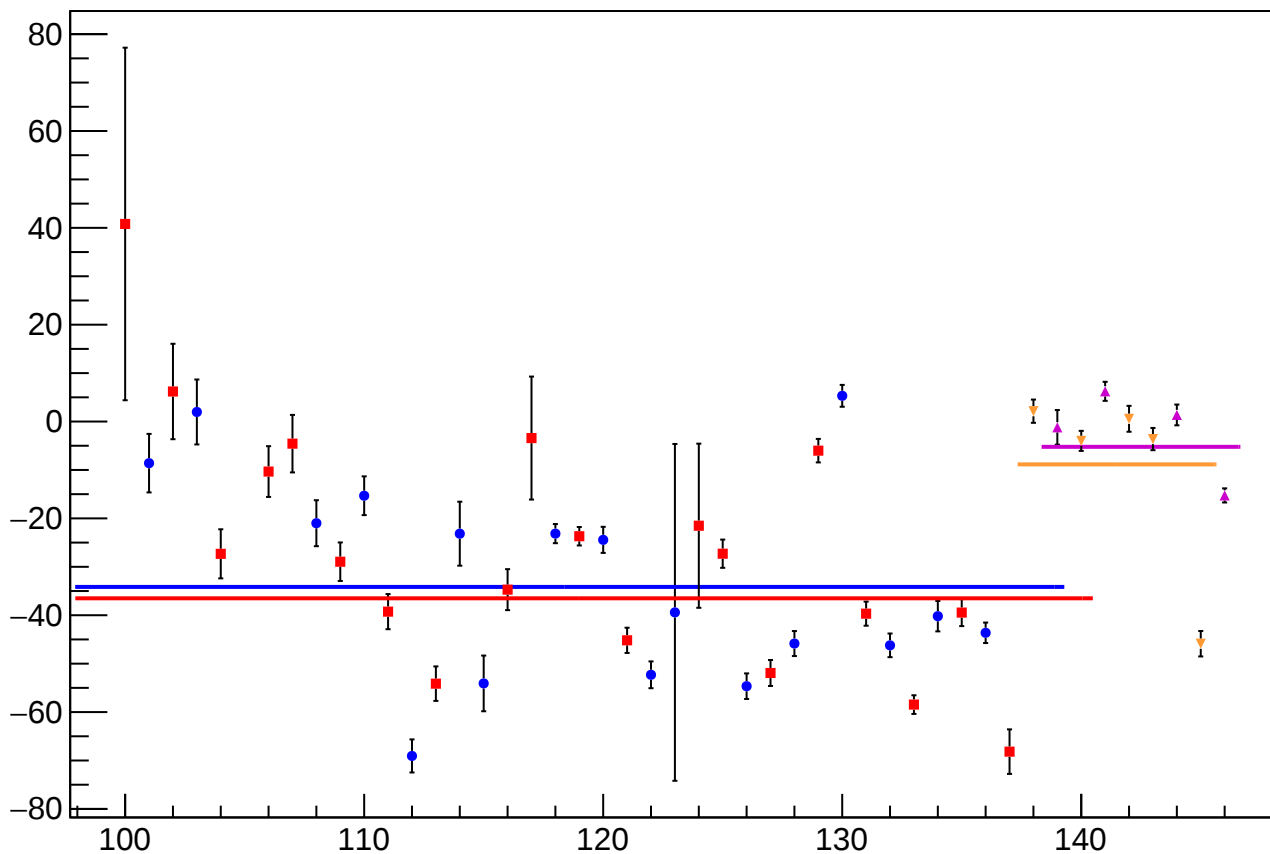
Right Out: 78.205 $\pm$ 1.219 χ^2 /NDF: 1544.0/19

Left In: 54.692 $\pm$ 1.126 χ^2 /NDF:407.2/3

60.870 $\pm$ 0.847 χ^2 /NDF: 2382.8/21

65.516 $\pm$ 0.827 χ^2 /NDF: 2151.9/23

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 $\pm$ 0.745 χ^2/NDF : 717.5/16

Left Out: -8.851 $\pm$ 1.065 χ^2/NDF : 242.1/4

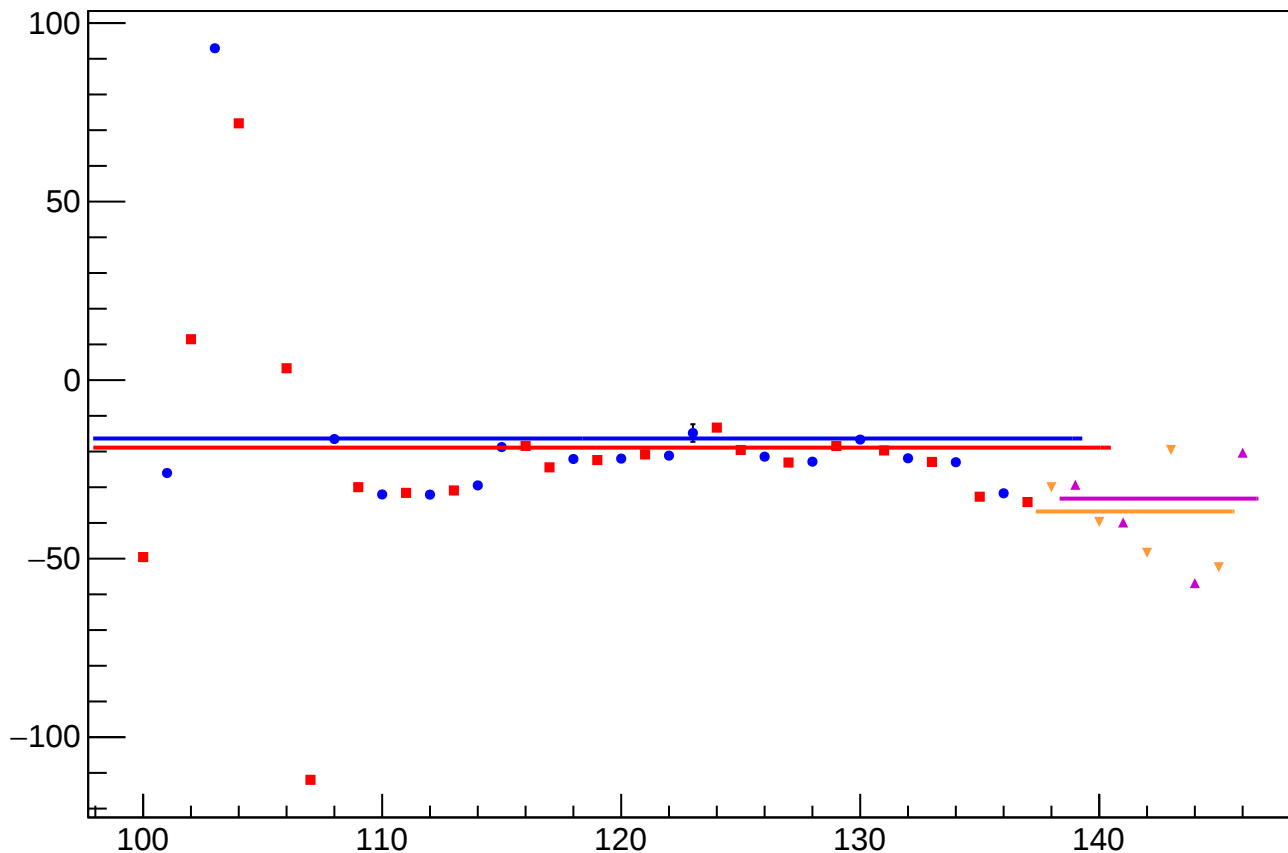
Right Out: -36.507 $\pm$ 0.735 χ^2/NDF : 553.8/19

Left In: -5.223 $\pm$ 0.988 χ^2/NDF : 92.0/3

-25.845 $\pm$ 0.610 χ^2/NDF : 1338.5/21

-25.371 $\pm$ 0.589 χ^2/NDF : 1291.5/23

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349+/-0.045 χ^2/NDF : 474192.3/16

Left Out: -36.786+/-0.047 χ^2/NDF : 56044.9/4

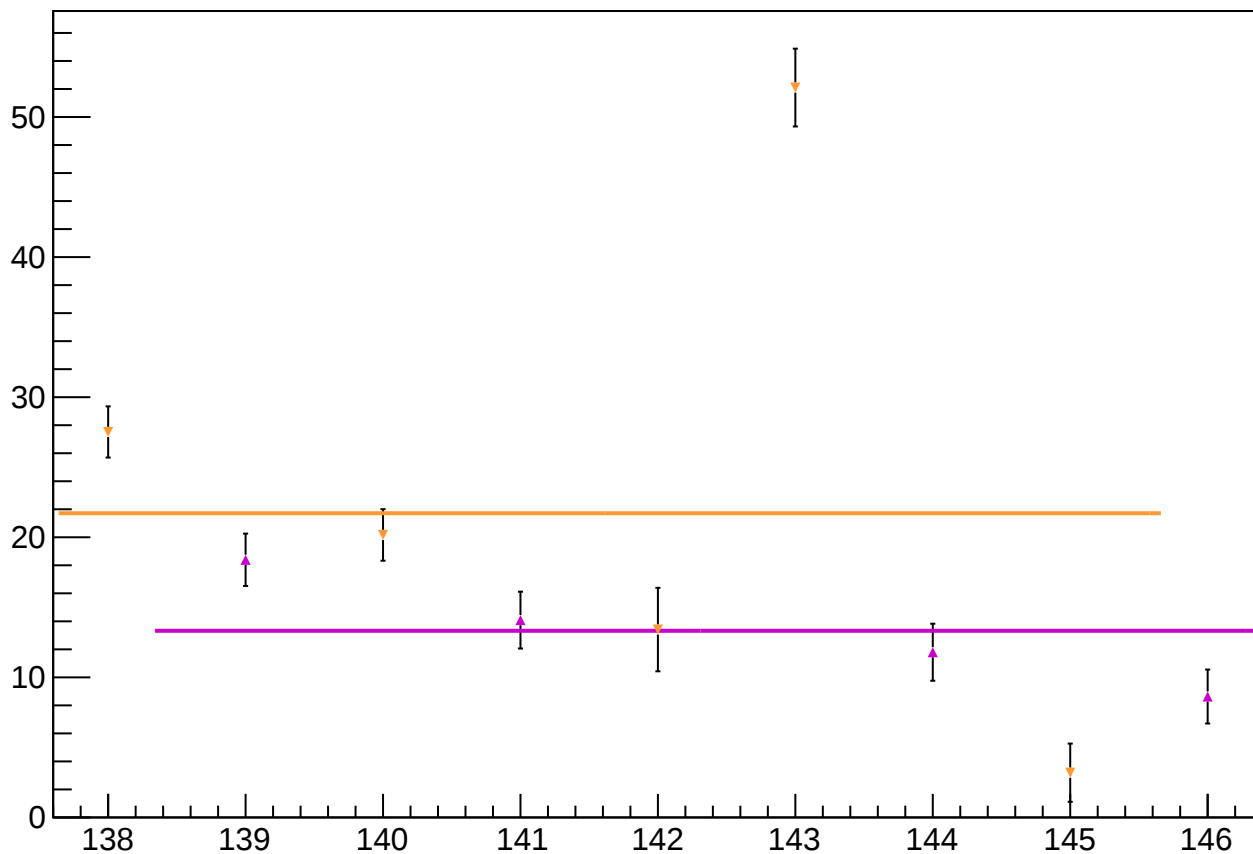
Right Out: -18.906+/-0.045 χ^2/NDF : 433847.1/19

Left In: -33.186+/-0.046 χ^2/NDF : 68945.2/3

-26.018+/-0.032 χ^2/NDF : 629383.8/21

-25.907+/-0.032 χ^2/NDF : 551695.3/23

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 21.717+/-0.967 χ^2/NDF :217.7/4

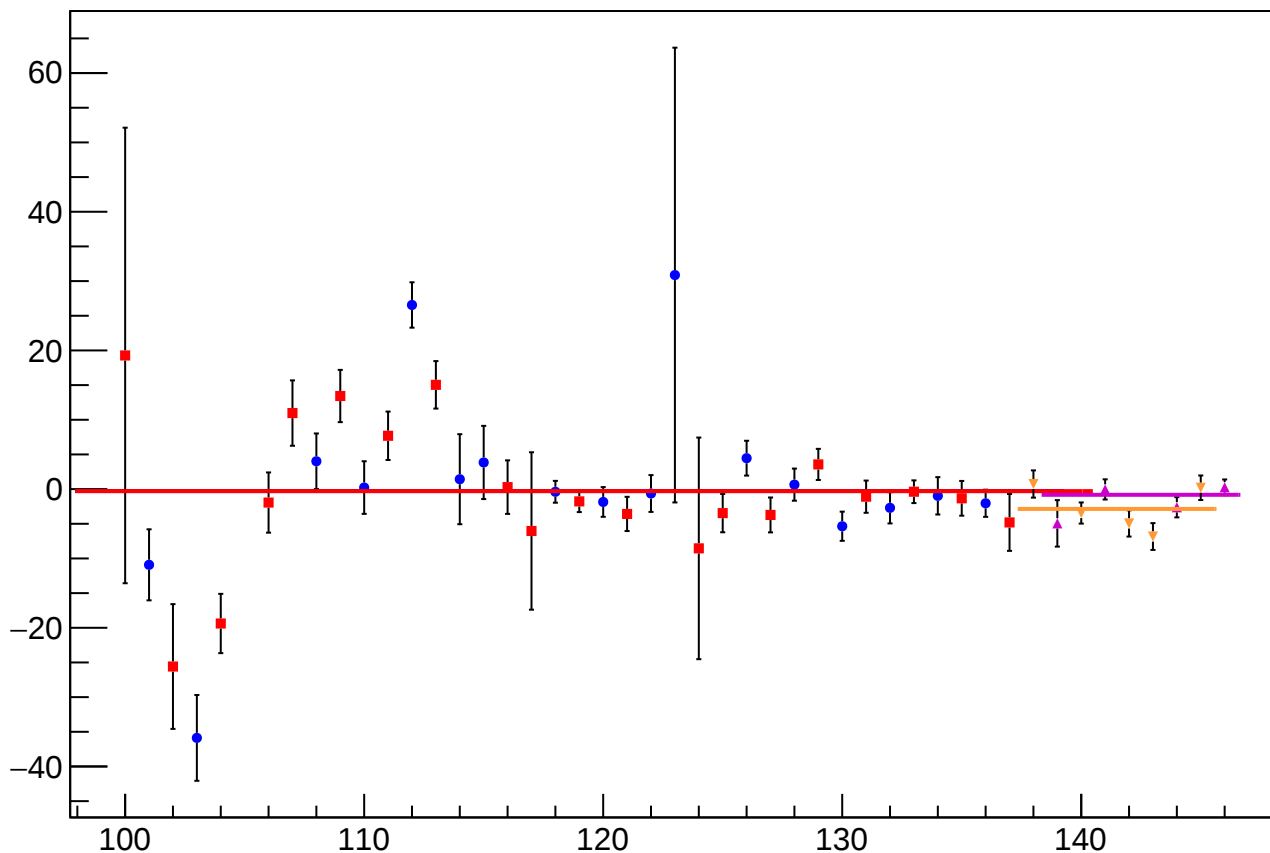
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 13.325+/-0.980 χ^2/NDF :14.0/3

21.717+/-0.967 χ^2/NDF : 217.7/4

13.325+/-0.980 χ^2/NDF : 14.0/3

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -2.856 ± 0.802 χ^2/NDF : 11.9/4

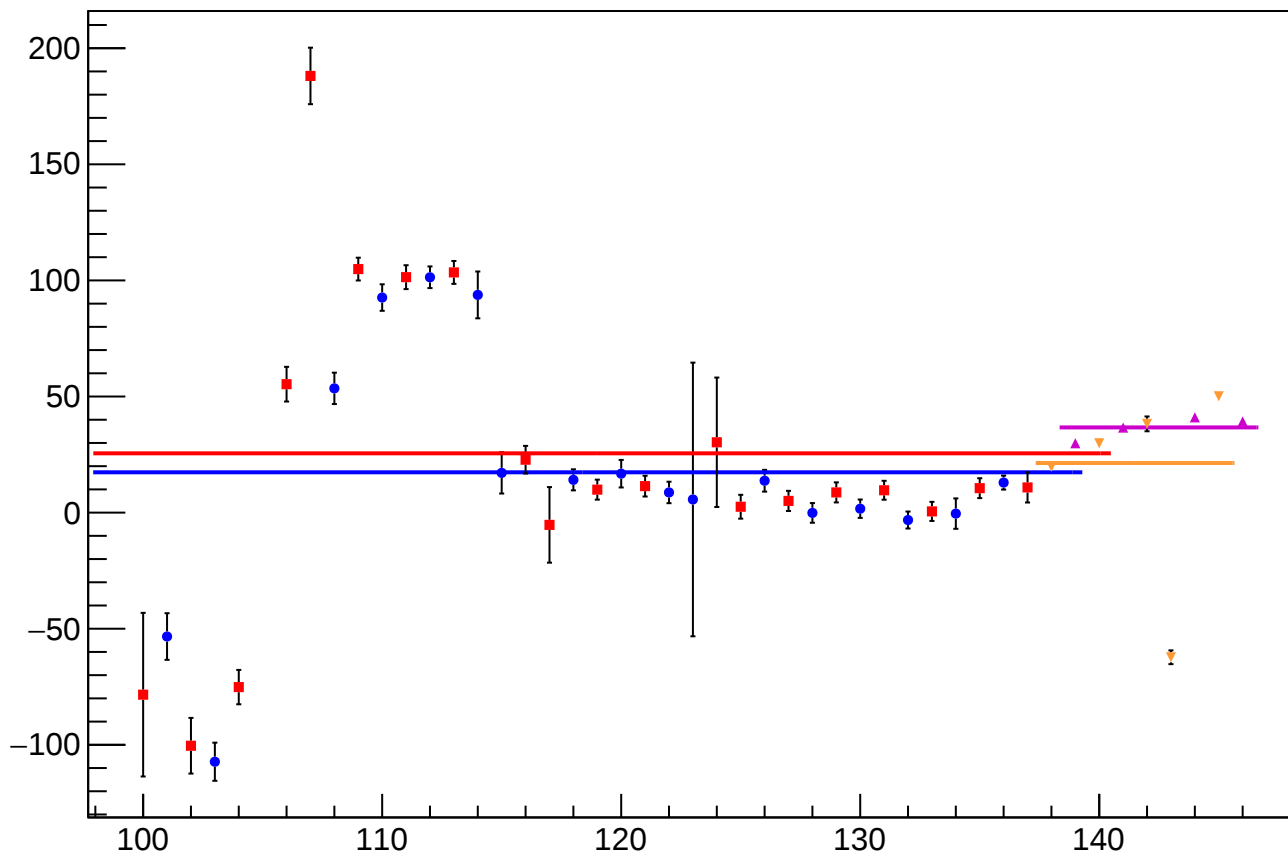
Right Out: -0.289 ± 0.655 χ^2/NDF : 83.4/19

Left In: -0.820 ± 0.743 χ^2/NDF : 4.2/3

-1.326 ± 0.511 χ^2/NDF : 137.6/21

-0.522 ± 0.491 χ^2/NDF : 88.0/23

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 21.369+/-1.033 χ^2/NDF :1018.0/4

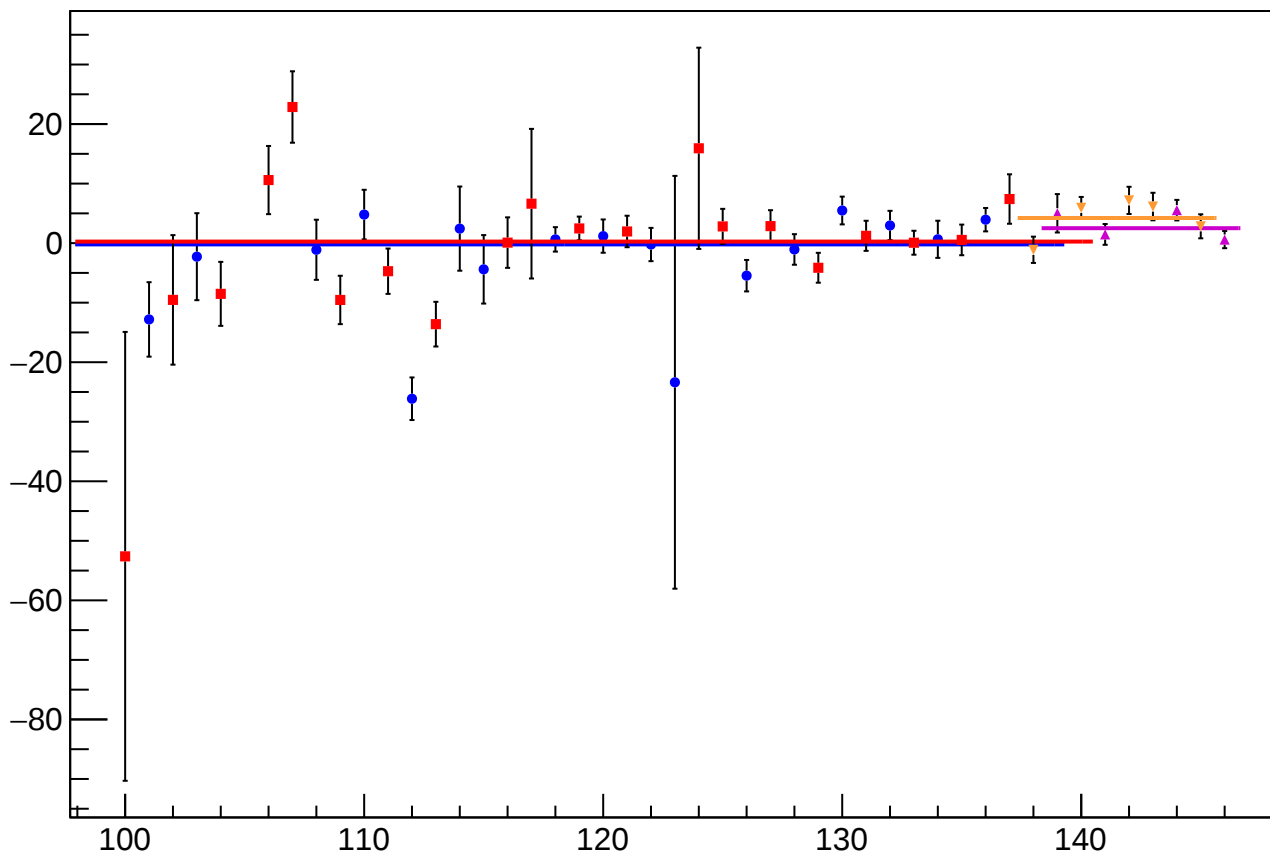
Right Out: 25.537+/-1.239 χ^2/NDF : 1382.4/19

Left In: 36.691+/-1.018 χ^2/NDF :17.3/3

19.739+/-0.795 χ^2/NDF : 1967.1/21

32.195+/-0.787 χ^2/NDF : 1448.1/23

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 $\chi^2/\text{NDF}: 75.9/16$

Left Out: 4.223 ± 0.941 $\chi^2/\text{NDF}: 9.6/4$

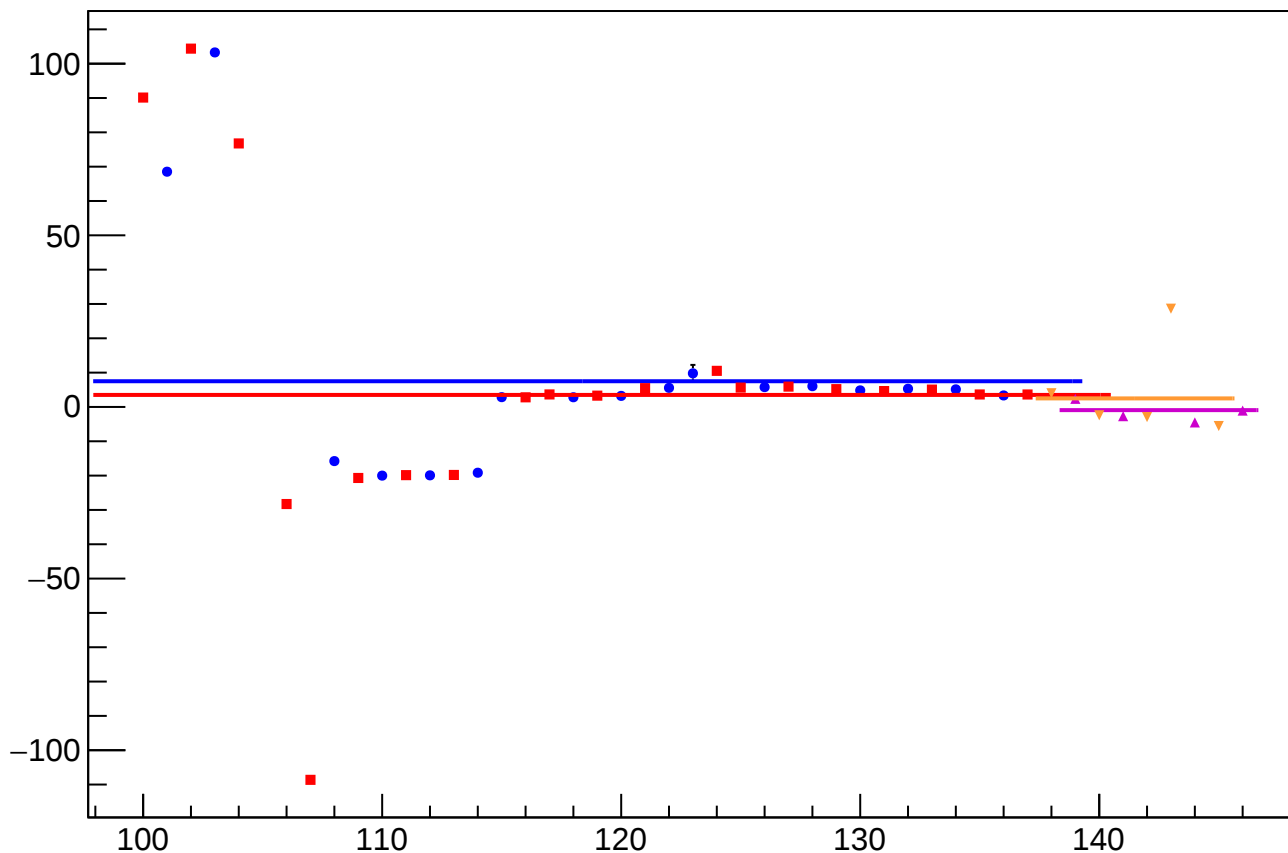
Right Out: 0.262 ± 0.747 $\chi^2/\text{NDF}: 54.8/19$

Left In: 2.511 ± 0.898 $\chi^2/\text{NDF}: 5.8/3$

1.516 ± 0.587 $\chi^2/\text{NDF}: 99.0/21$

1.182 ± 0.574 $\chi^2/\text{NDF}: 64.3/23$

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492+/-0.045 χ^2/NDF : 355979.0/16

Left Out: 2.489+/-0.042 χ^2/NDF : 62918.8/4

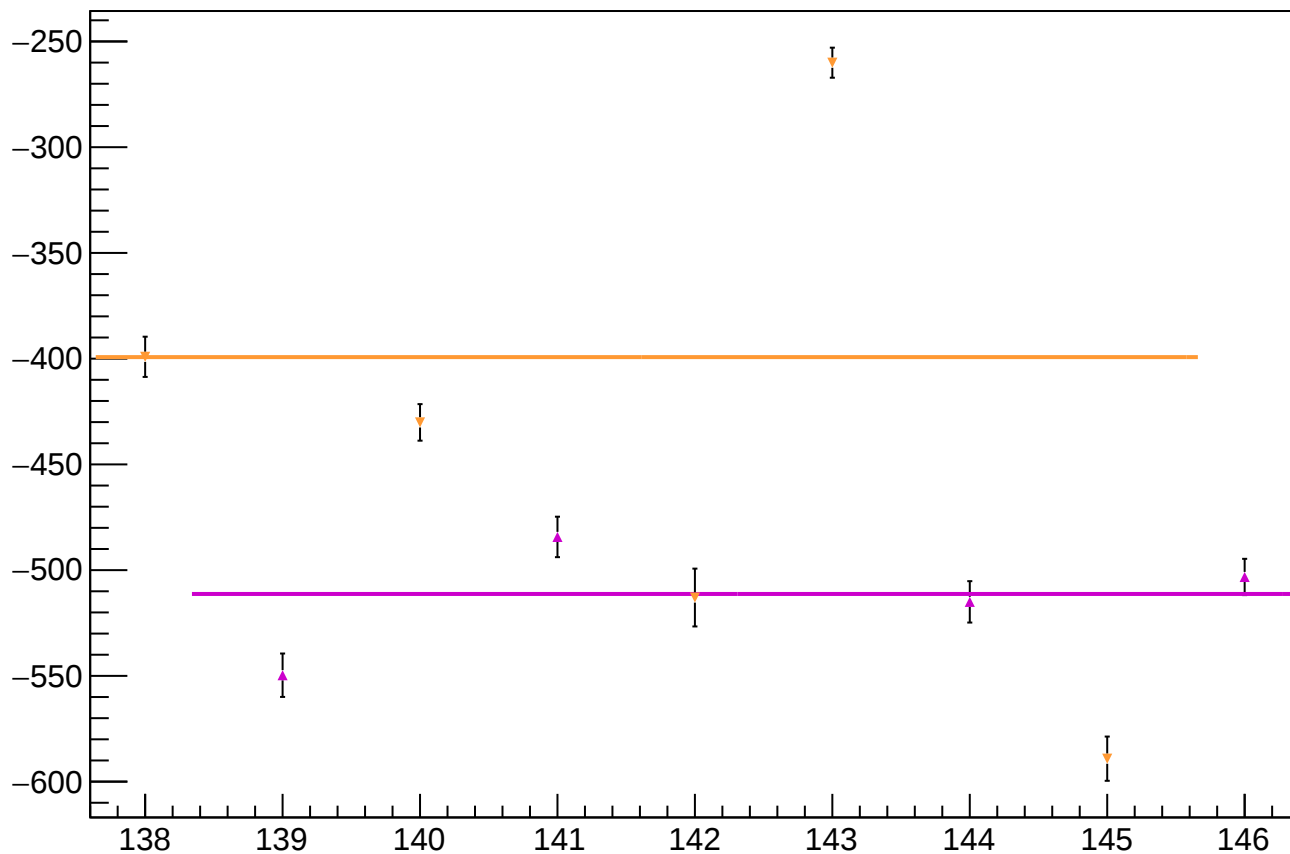
Right Out: 3.504+/-0.046 χ^2/NDF : 510579.5/19

Left In: -0.926+/-0.042 χ^2/NDF : 3969.2/3

4.819+/-0.030 χ^2/NDF : 425610.2/21

1.088+/-0.031 χ^2/NDF : 519710.9/23

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -399.268+/-4.127 χ^2/NDF : 795.2/4

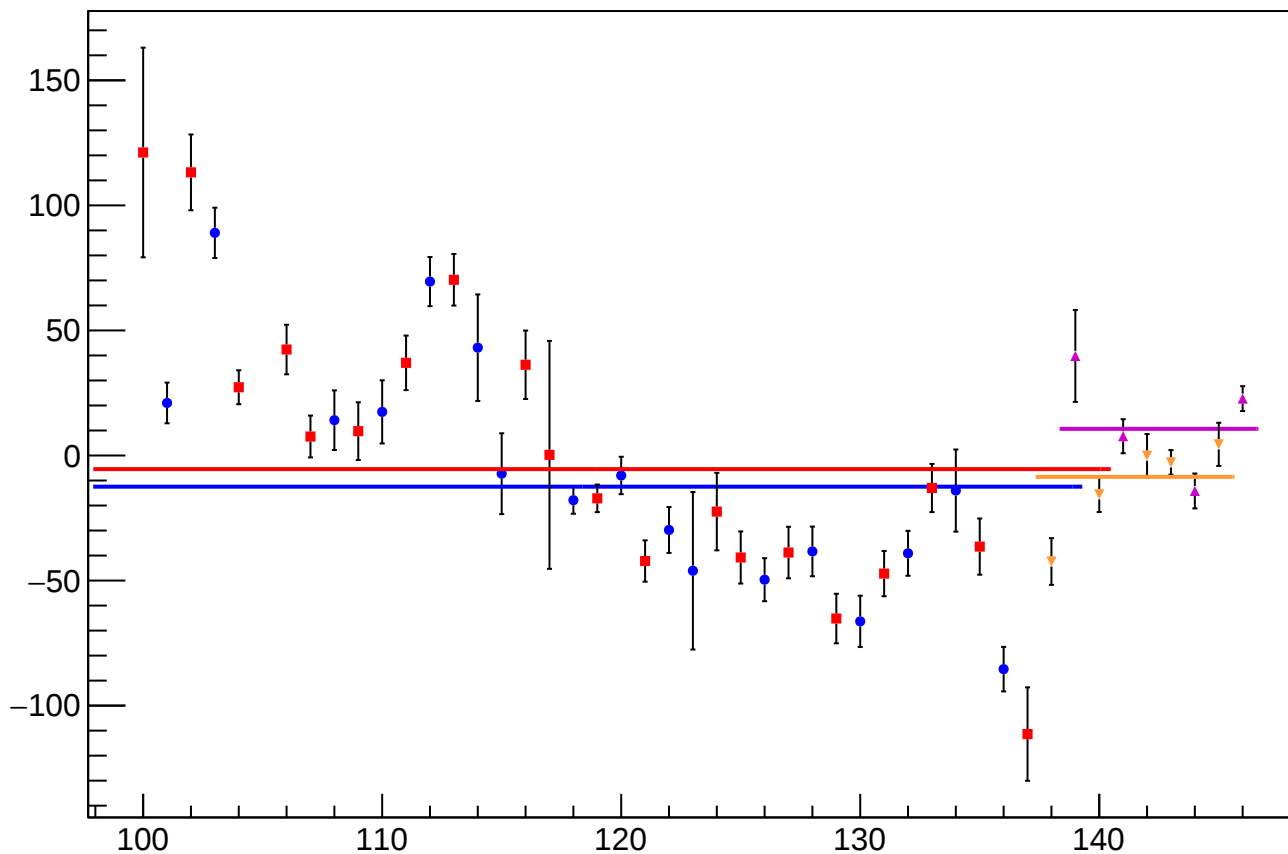
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -511.264+/-4.743 χ^2/NDF : 23.0/3

-399.268+/-4.127 χ^2/NDF : 795.2/4

-511.264+/-4.743 χ^2/NDF : 23.0/3

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: -8.539 ± 3.167 χ^2/NDF : 18.7/4

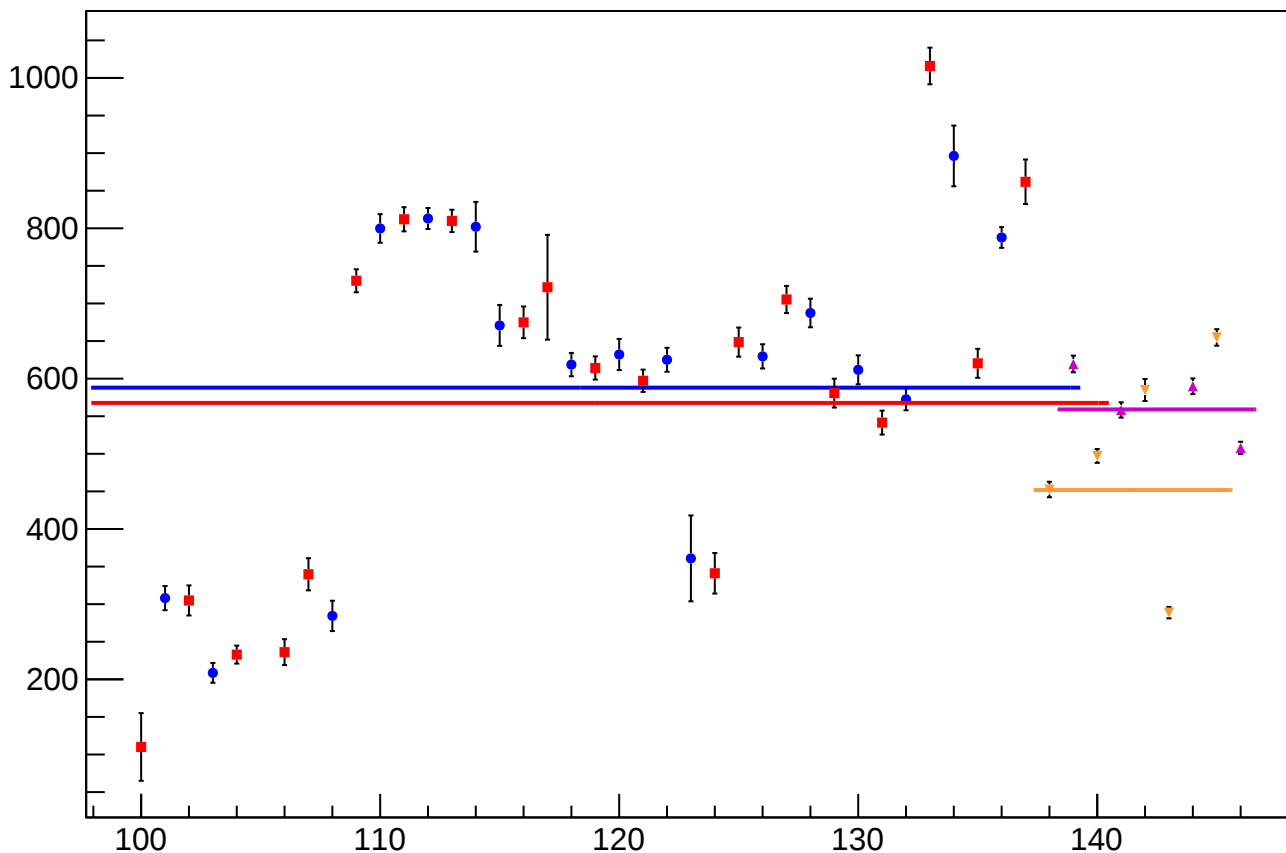
Right Out: -5.439 ± 2.256 χ^2/NDF : 345.0/19

Left In: 10.660 ± 3.420 χ^2/NDF : 21.3/3

-11.067 ± 1.886 χ^2/NDF : 360.8/21

-0.558 ± 1.883 χ^2/NDF : 381.7/23

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 ± 4.353 χ^2/NDF : 2129.6/16

Left Out: 451.824 ± 4.407 χ^2/NDF : 908.4/4

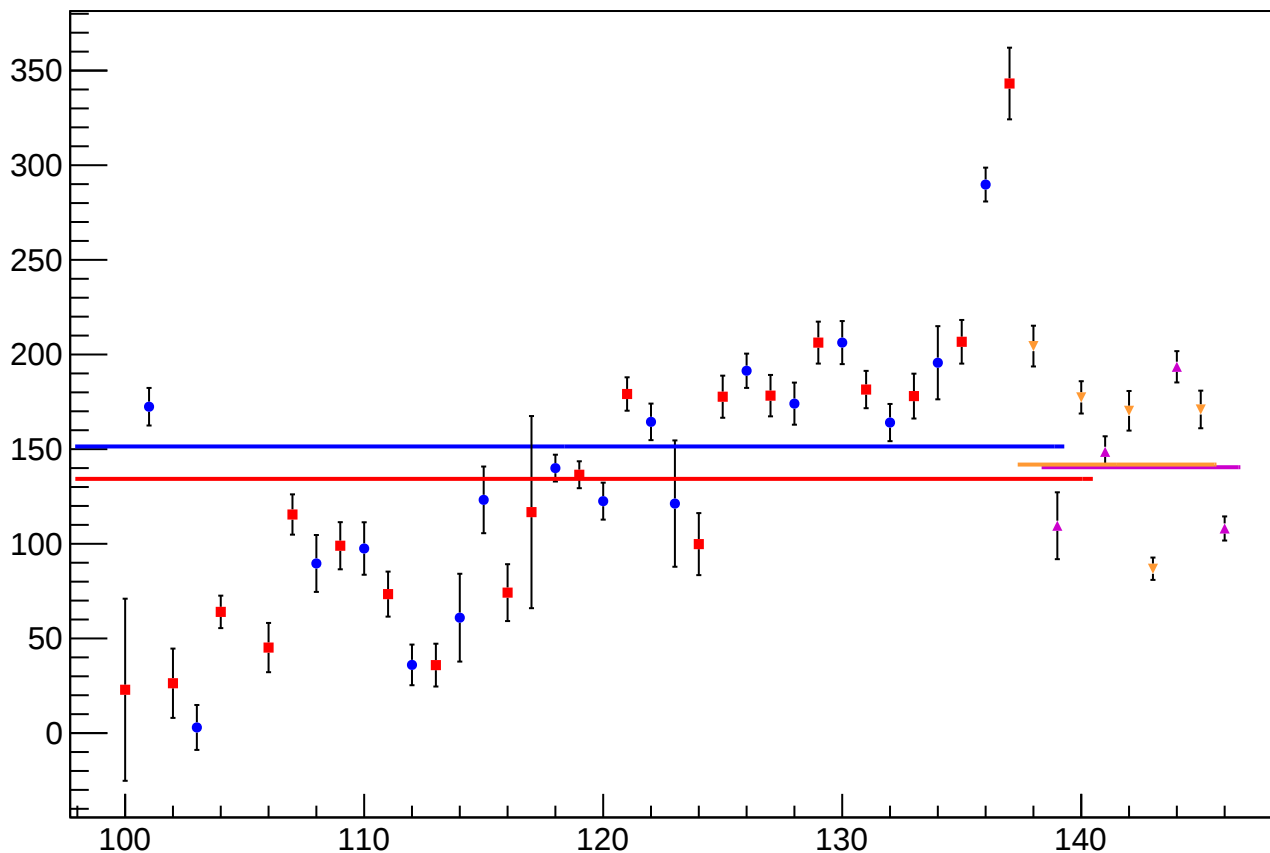
Right Out: 567.720 ± 4.129 χ^2/NDF : 2788.1/19

Left In: 559.044 ± 4.893 χ^2/NDF : 77.2/3

520.750 ± 3.097 χ^2/NDF : 3521.3/21

564.112 ± 3.155 χ^2/NDF : 2867.1/23

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421+/-2.709 χ^2/NDF : 633.3/16

Left Out: 141.858+/-3.770 χ^2/NDF : 154.1/4

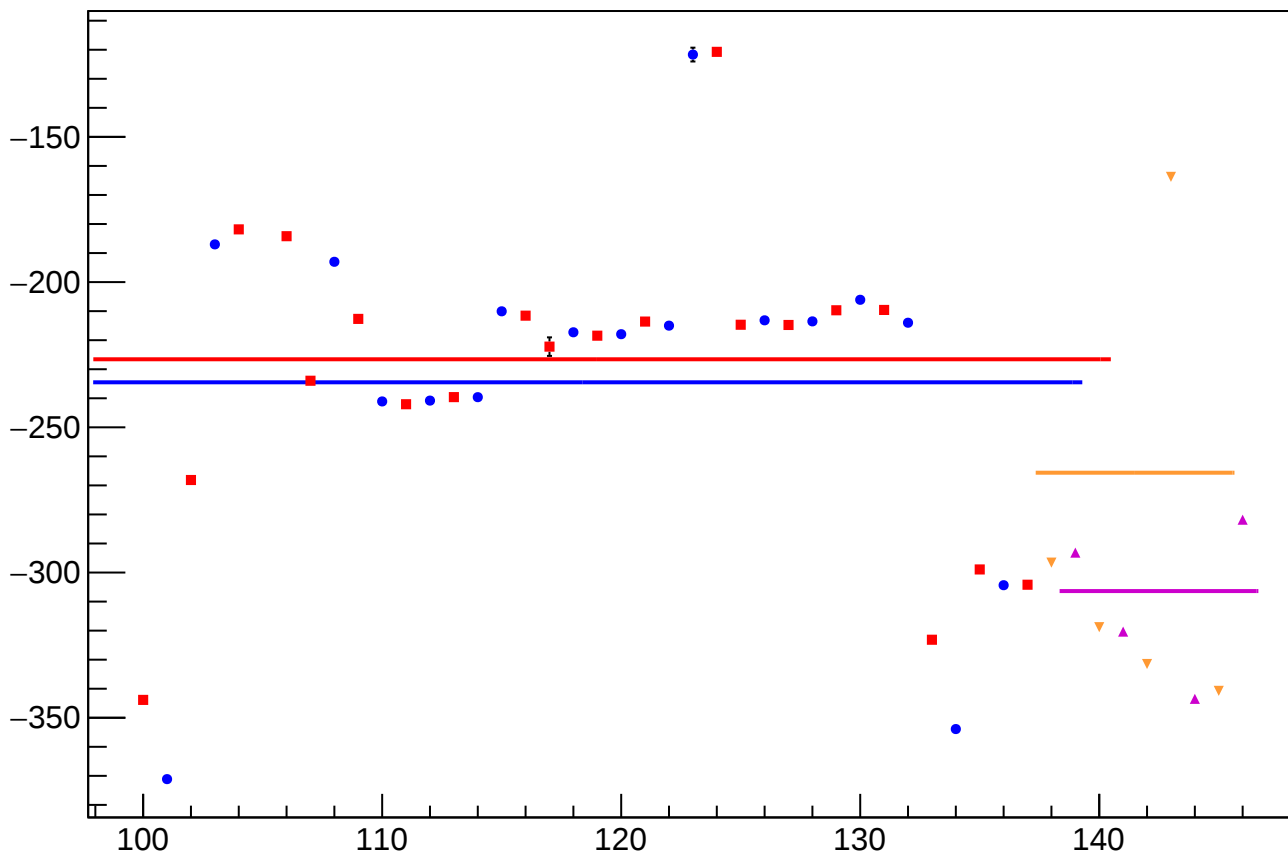
Right Out: 134.299+/-2.612 χ^2/NDF : 585.0/19

Left In: 140.457+/-4.177 χ^2/NDF : 71.0/3

148.164+/-2.200 χ^2/NDF : 791.6/21

136.030+/-2.215 χ^2/NDF : 657.6/23

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -265.625+/-0.179 χ^2/NDF : 177440.5/4

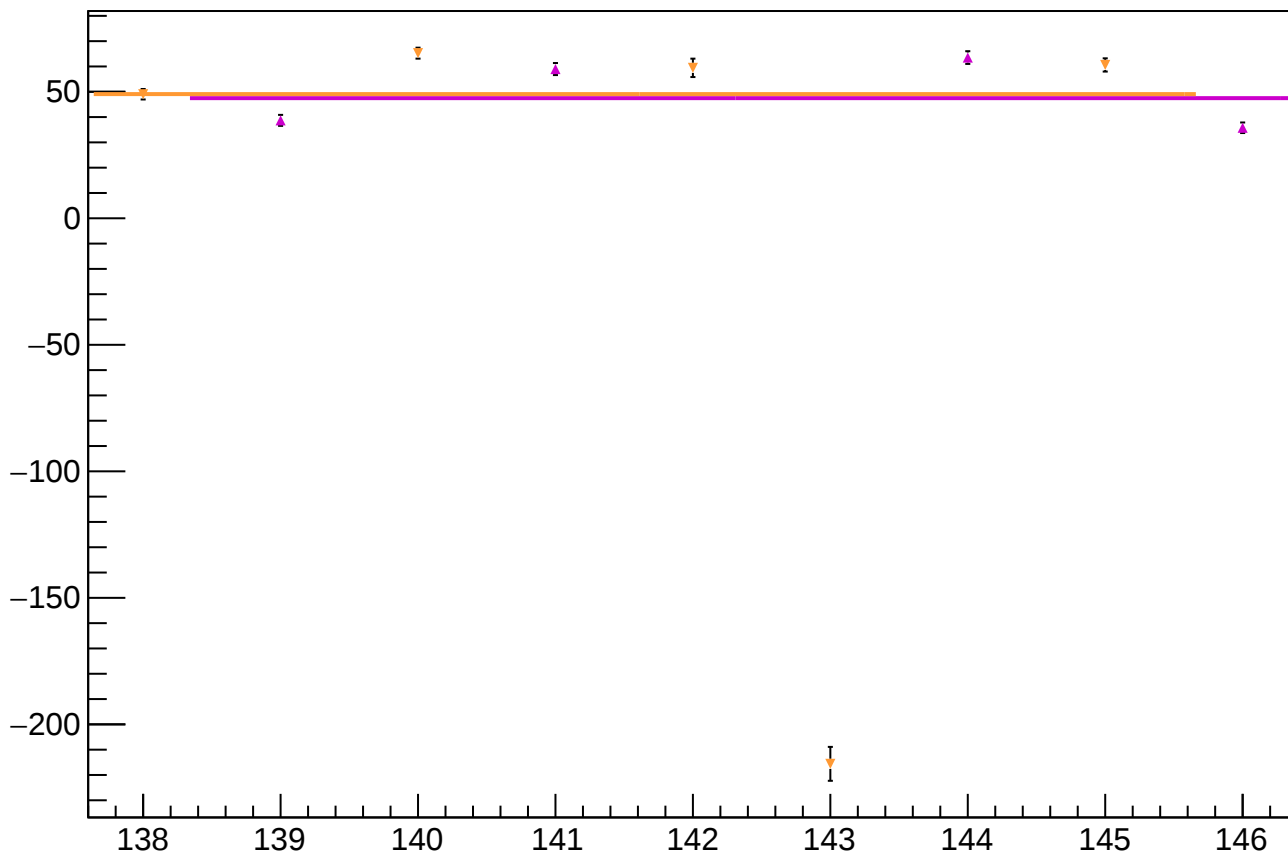
Right Out: -226.572+/-0.141 χ^2/NDF : 98970.7/19

Left In: -306.379+/-0.203 χ^2/NDF : 13098.3/3

-247.208+/-0.115 χ^2/NDF : 340294.5/21

-252.578+/-0.116 χ^2/NDF : 216062.7/23

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 49.081+/-1.204 χ^2/NDF :1643.6/4

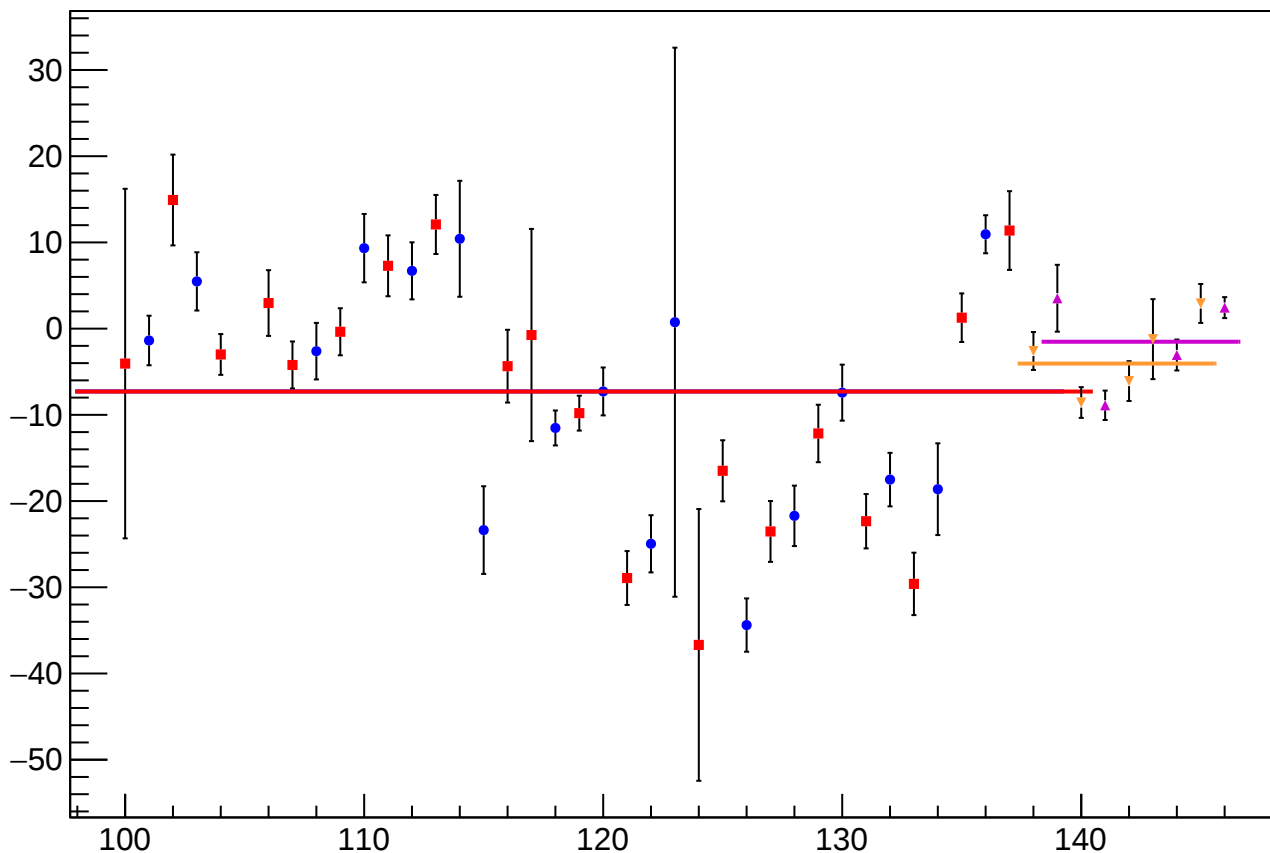
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 47.481+/-1.134 χ^2/NDF :112.0/3

49.081+/-1.204 χ^2/NDF : 1643.6/4

47.481+/-1.134 χ^2/NDF : 112.0/3

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284+/-0.789 χ^2/NDF : 283.2/16

Left Out: -4.053+/-1.025 χ^2/NDF : 17.5/4

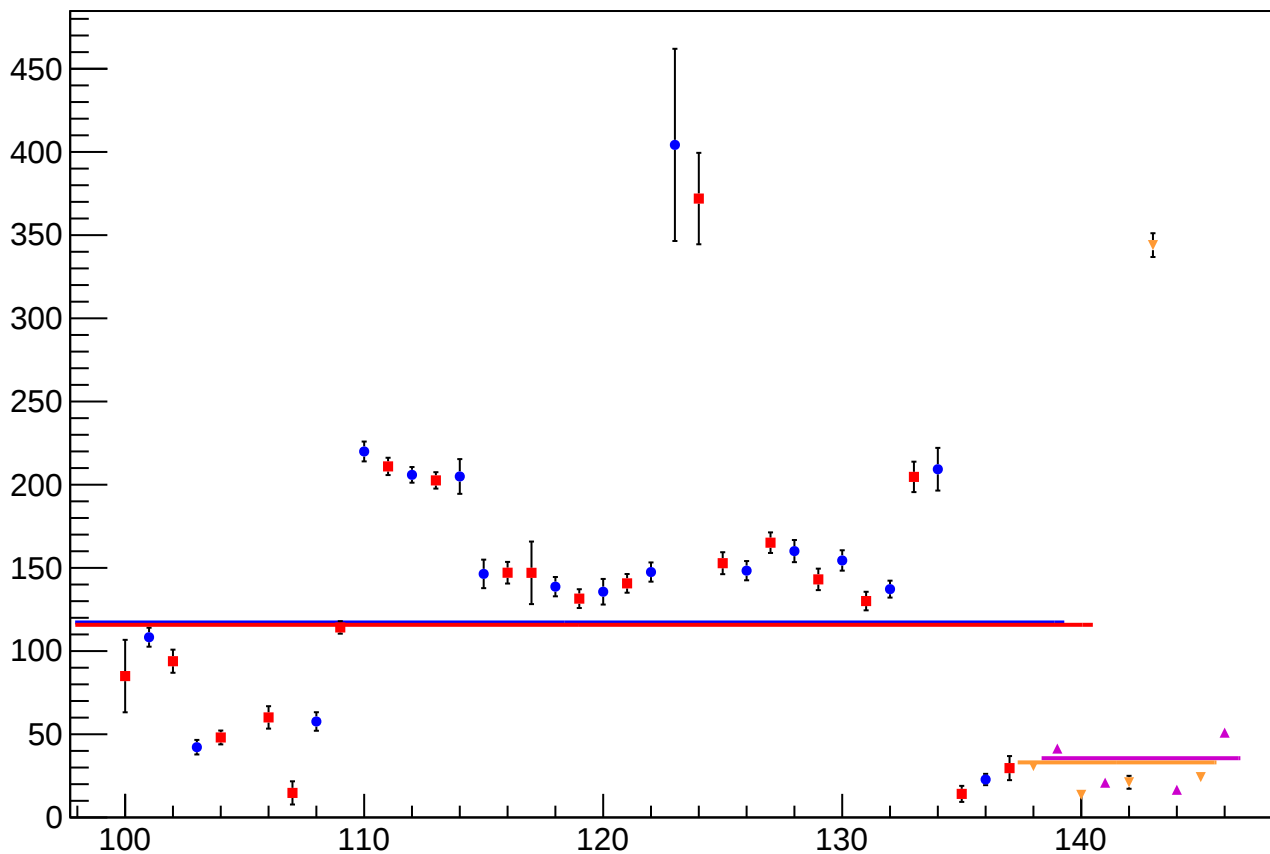
Right Out: -7.298+/-0.759 χ^2/NDF : 255.6/19

Left In: -1.520+/-0.846 χ^2/NDF : 31.7/3

-6.082+/-0.625 χ^2/NDF : 307.0/21

-4.720+/-0.565 χ^2/NDF : 313.1/23

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187+/-1.416 χ^2/NDF : 2161.0/16

Left Out: 33.094+/-1.284 χ^2/NDF :1982.3/4

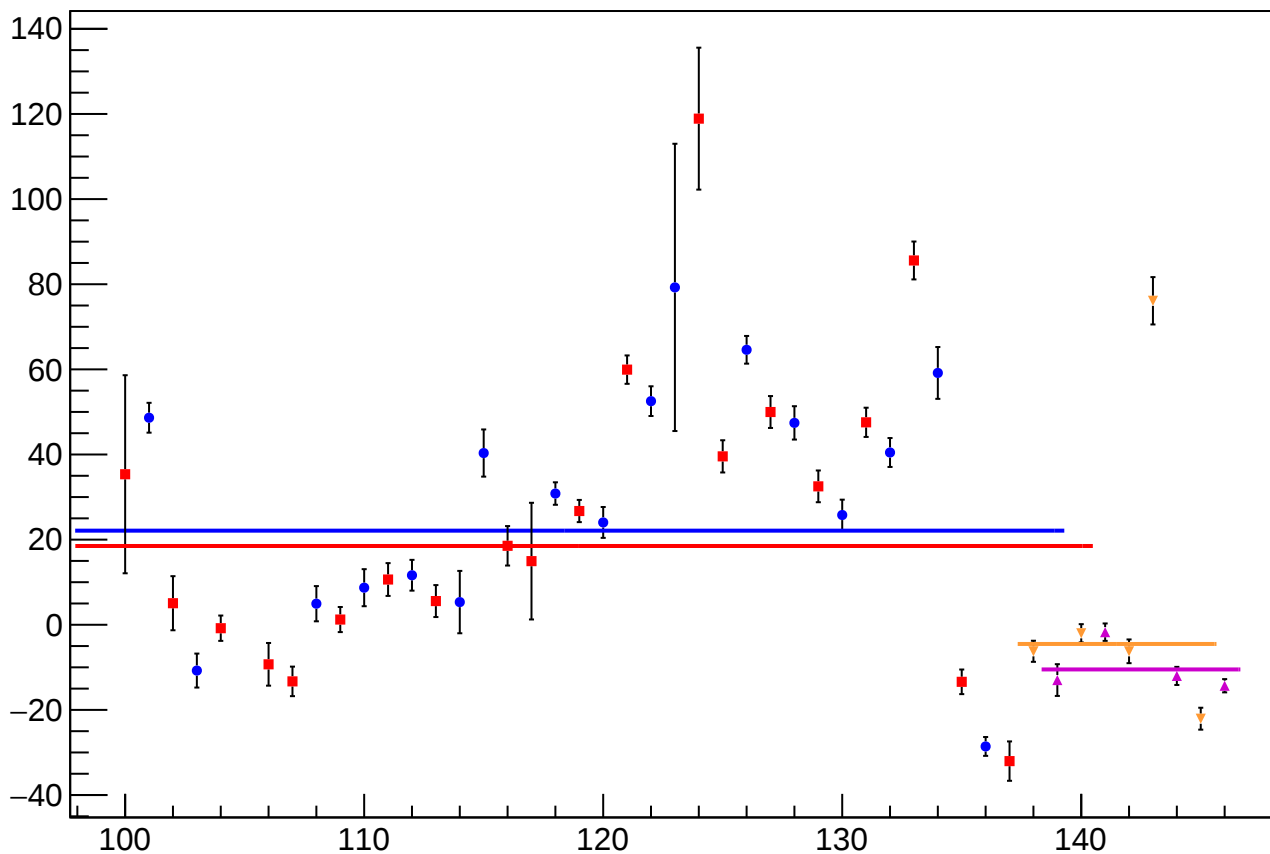
Right Out: 115.795+/-1.357 χ^2/NDF : 2140.4/19

Left In: 35.610+/-1.172 χ^2/NDF :149.1/3

71.039+/-0.951 χ^2/NDF : 6077.8/21

69.869+/-0.887 χ^2/NDF : 4288.0/23

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110+/-0.898 χ^2/NDF : 1070.3/16

Left Out: -4.509+/-1.202 χ^2/NDF : 258.8/4

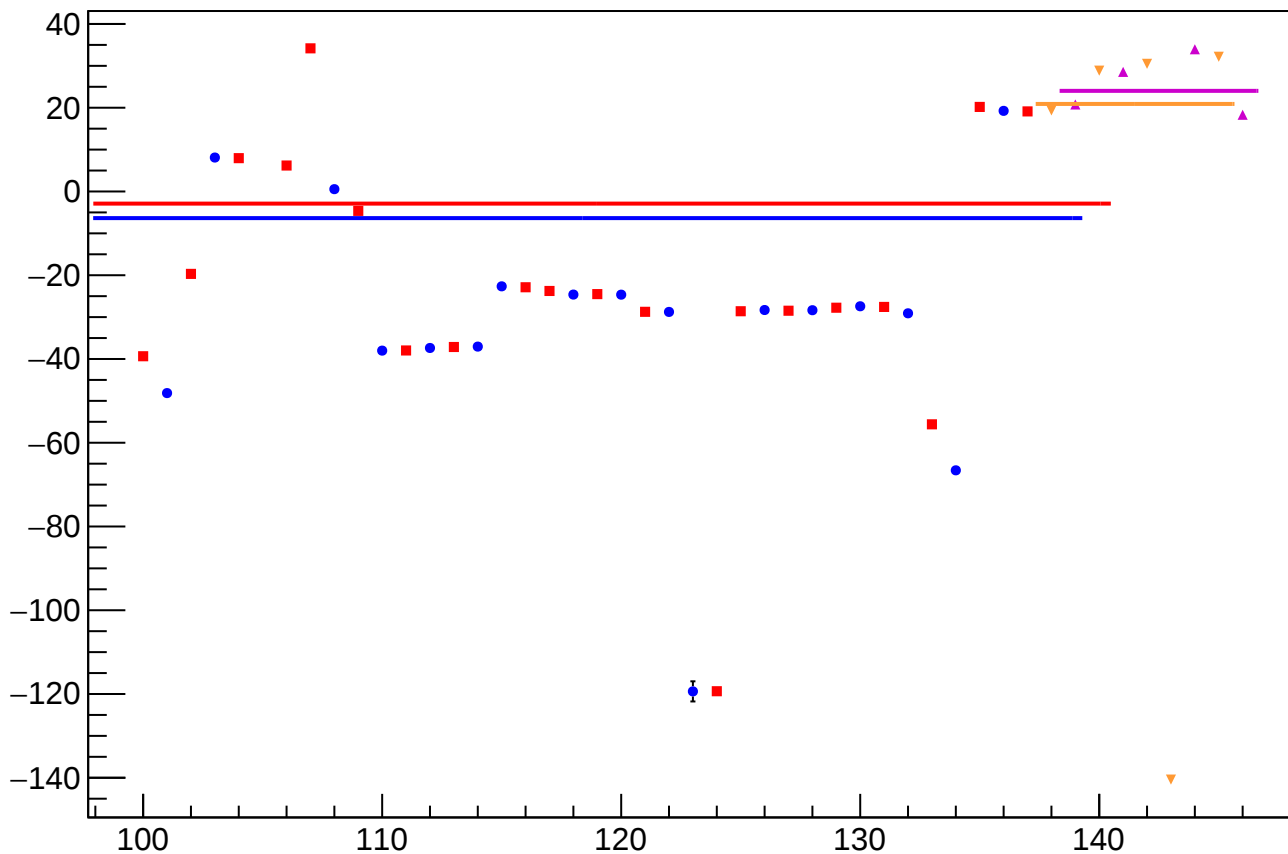
Right Out: 18.506+/-0.869 χ^2/NDF : 1068.6/19

Left In: -10.495+/-1.029 χ^2/NDF : 25.3/3

12.572+/-0.719 χ^2/NDF : 1643.8/21

6.431+/-0.664 χ^2/NDF : 1557.3/23

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 20.903 ± 0.052 $\chi^2/\text{NDF}: 337664.8/4$

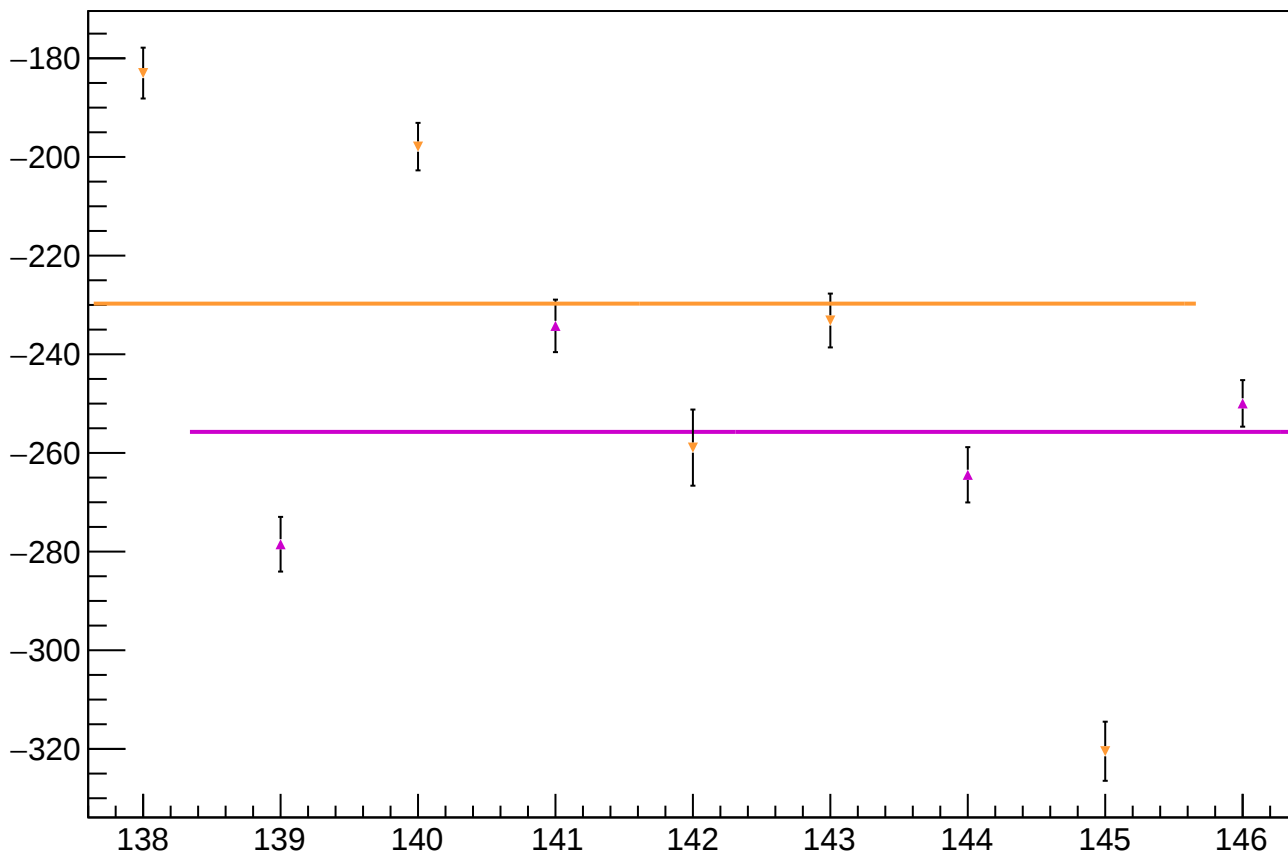
Right Out: -2.896 ± 0.046 $\chi^2/\text{NDF}: 266162.6/19$

Left In: 24.027 ± 0.048 $\chi^2/\text{NDF}: 14515.5/3$

5.707 ± 0.035 $\chi^2/\text{NDF}: 755794.9/21$

9.906 ± 0.033 $\chi^2/\text{NDF}: 445847.8/23$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -229.732+/-2.508 χ^2/NDF : 370.1/4

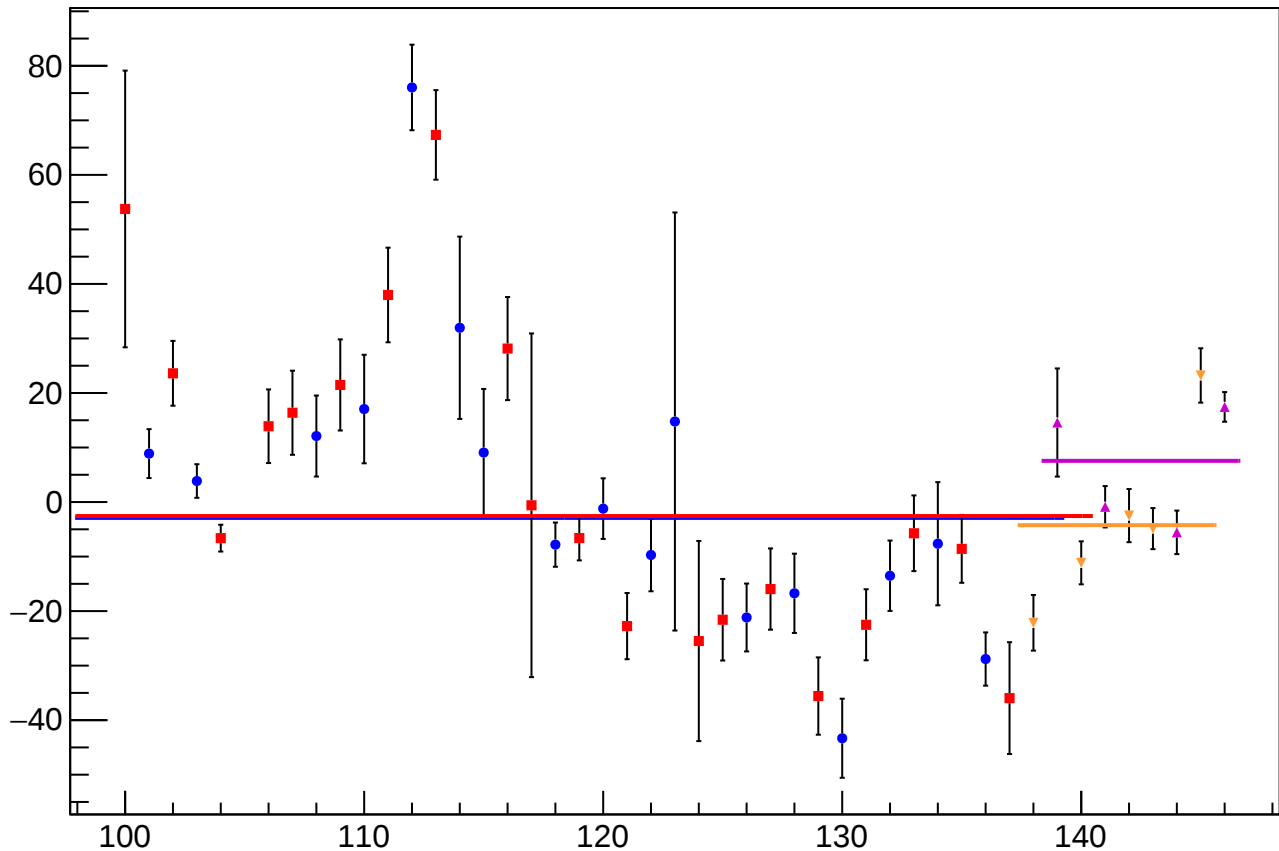
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -255.733+/-2.630 χ^2/NDF : 37.1/3

-229.732+/-2.508 χ^2/NDF : 370.1/4

-255.733+/-2.630 χ^2/NDF : 37.1/3

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: -4.237 ± 1.978 χ^2/NDF : 45.8/4

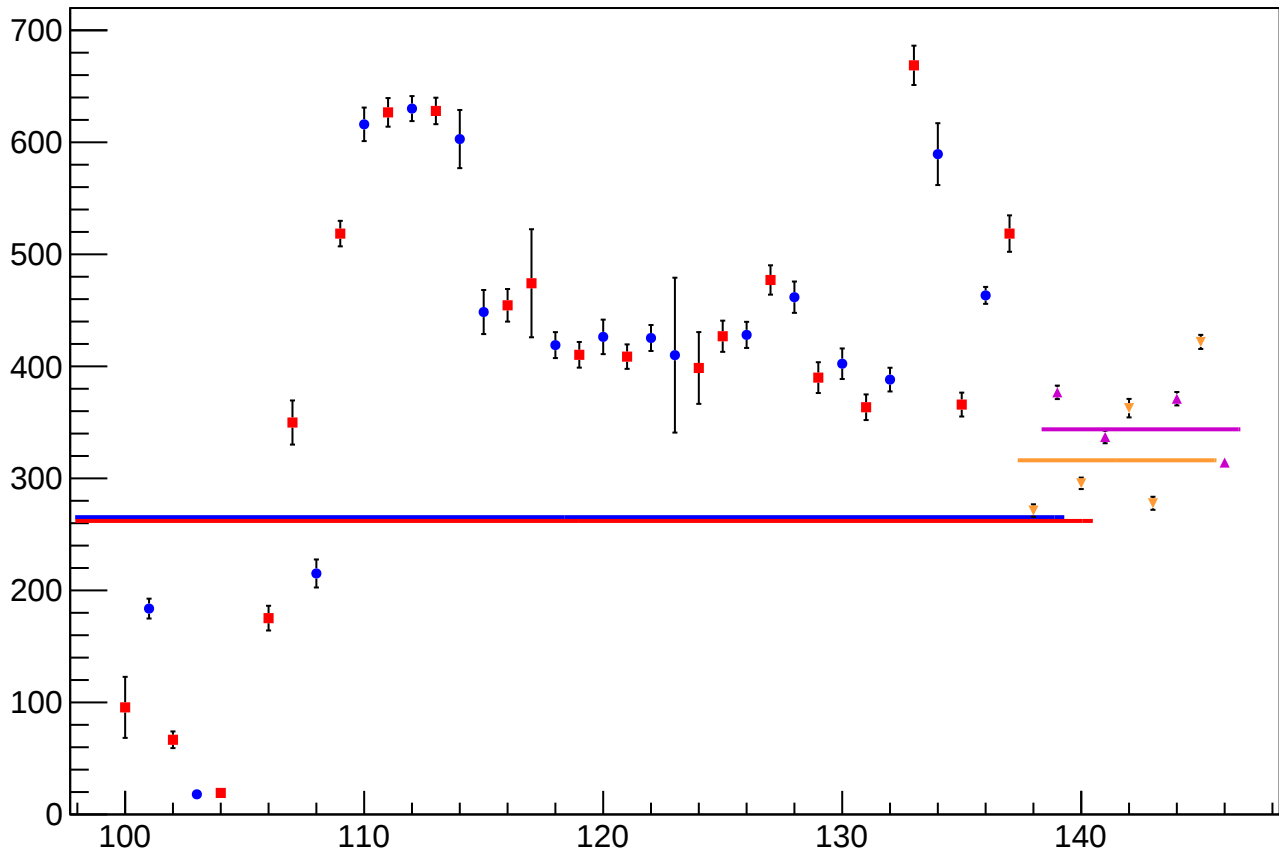
Right Out: -2.566 ± 1.395 χ^2/NDF : 218.2/19

Left In: 7.556 ± 1.898 χ^2/NDF : 29.5/3

-3.375 ± 1.178 χ^2/NDF : 249.7/21

0.985 ± 1.124 χ^2/NDF : 266.1/23

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2/NDF : 7633.8/16

Left Out: 316.135 $\pm$ 2.677 χ^2/NDF : 437.7/4

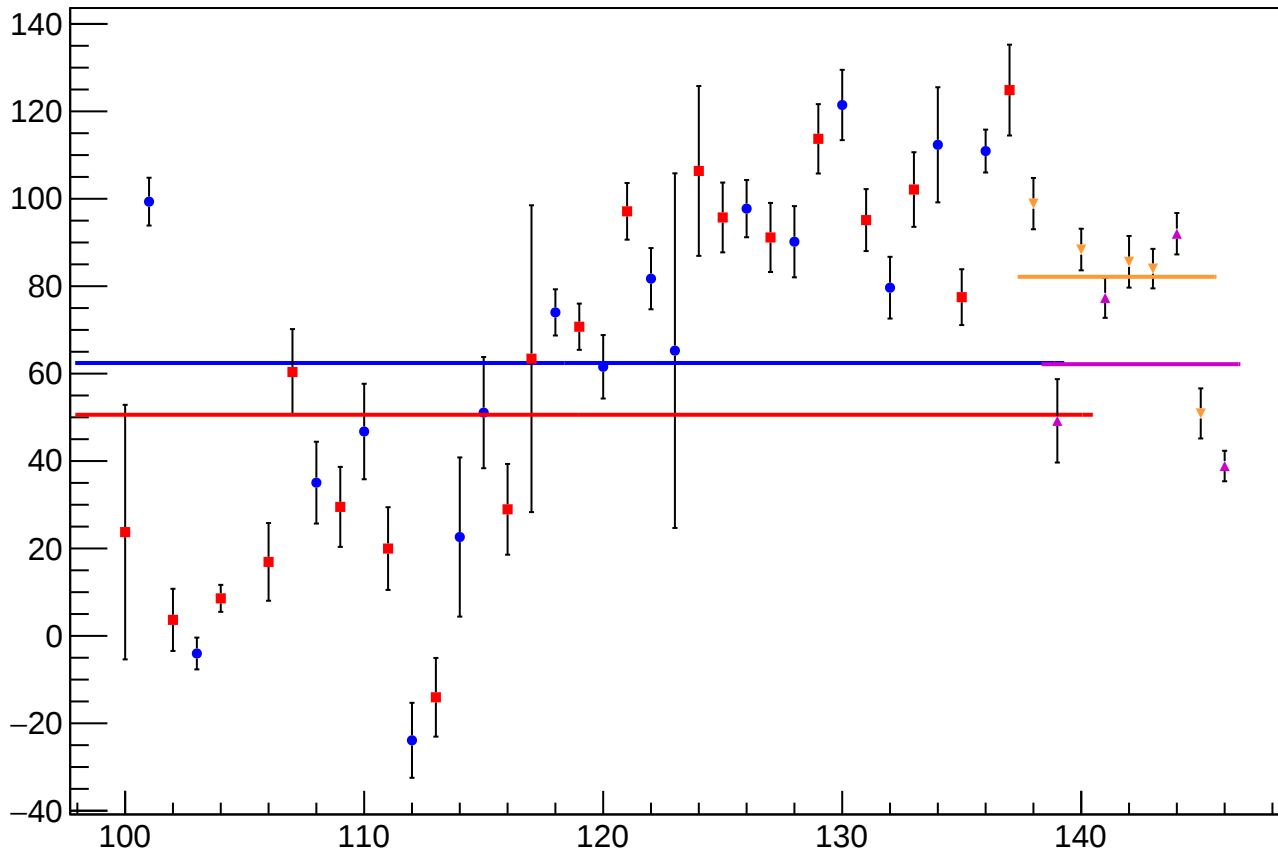
Right Out: 262.016 $\pm$ 2.455 χ^2/NDF : 8223.7/19

Left In: 343.801 $\pm$ 2.711 χ^2/NDF : 95.7/3

288.893 $\pm$ 1.823 χ^2/NDF : 8264.4/21

298.854 $\pm$ 1.820 χ^2/NDF : 8819.4/23

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 82.152+/-2.349 χ^2/NDF : 40.1/4

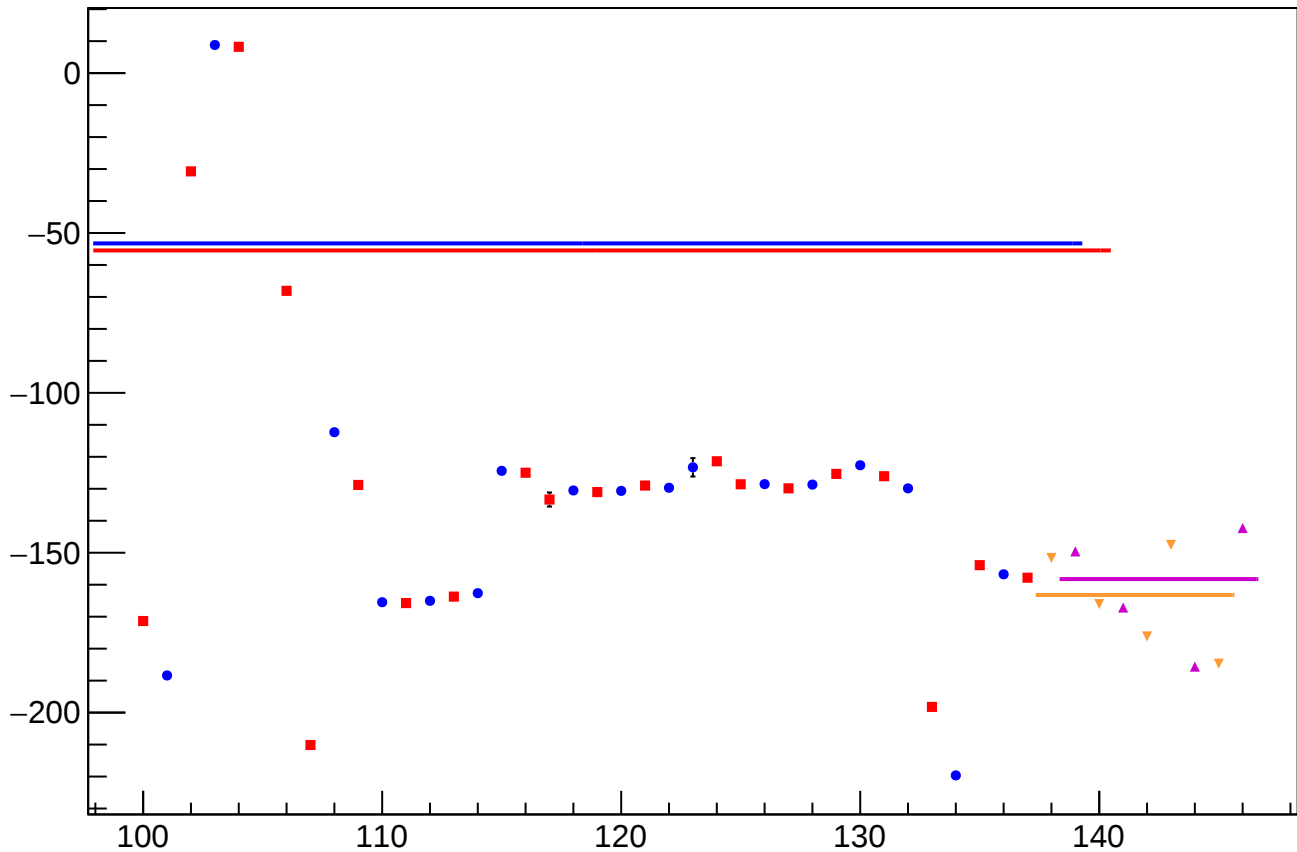
Right Out: 50.588+/-1.640 χ^2/NDF : 657.5/19

Left In: 62.161+/-2.320 χ^2/NDF : 97.2/3

69.179+/-1.374 χ^2/NDF : 808.2/21

54.444+/-1.339 χ^2/NDF : 771.3/23

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -163.209 $\pm$ 0.109 χ^2 /NDF: 16360.6/4

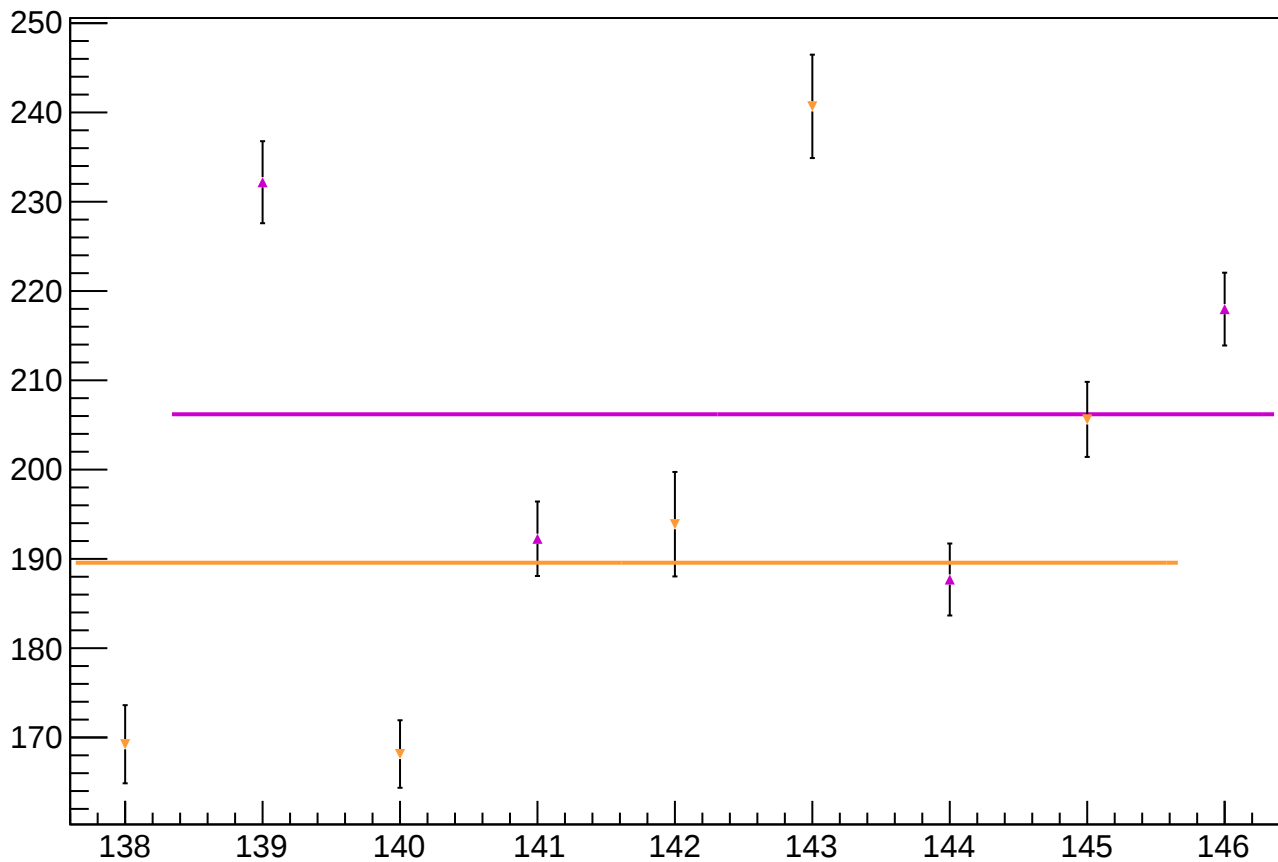
Right Out: -55.455 $\pm$ 0.072 χ^2 /NDF: 968274.5/19

Left In: -158.242 $\pm$ 0.112 χ^2 /NDF: 20015.1/3

-85.534 $\pm$ 0.059 χ^2 /NDF: 1957479.9/21

-85.343 $\pm$ 0.061 χ^2 /NDF: 1582334.1/23

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 189.571 $\pm$ 2.051 χ^2 /NDF:146.7/4

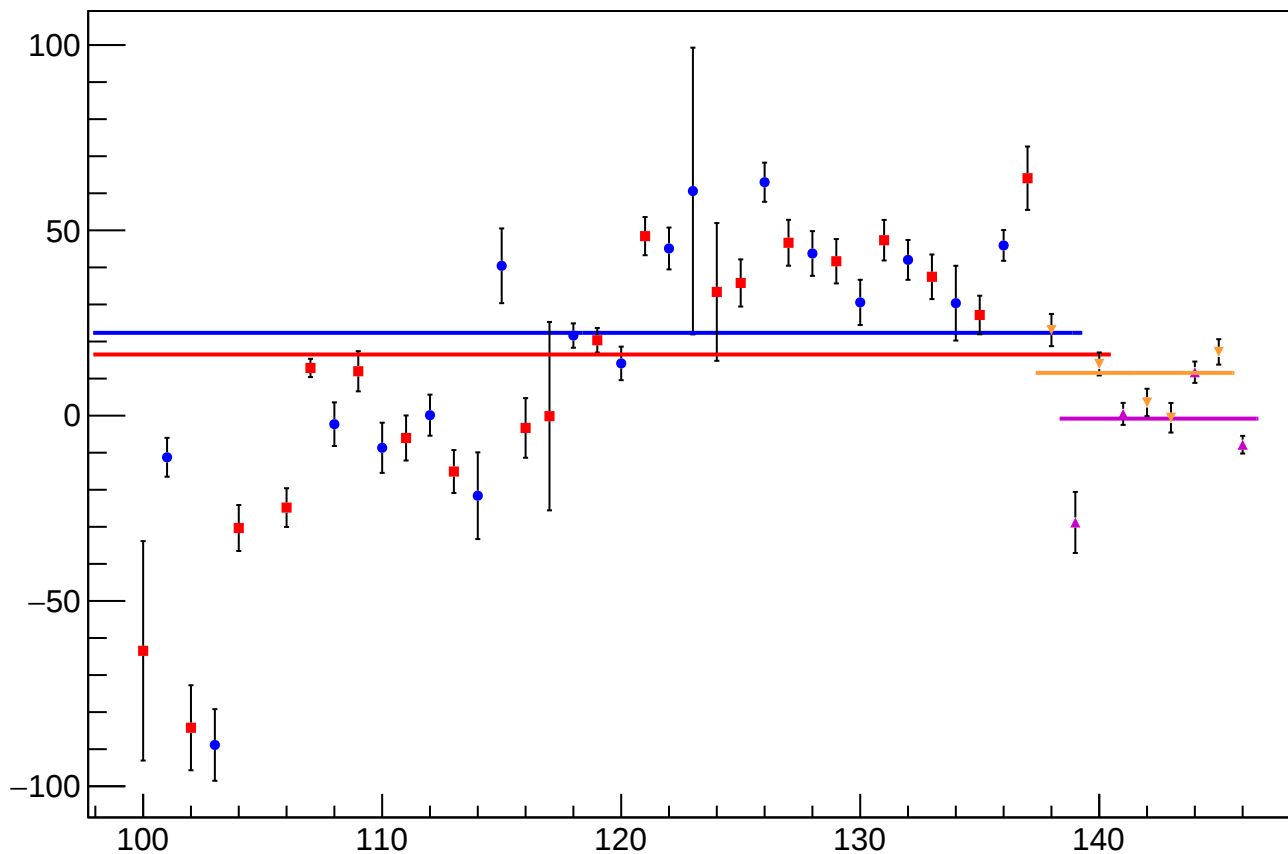
189.571 $\pm$ 2.051 χ^2 /NDF: 146.7/4

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

Left In: 206.197 $\pm$ 2.101 χ^2 /NDF:72.6/3

206.197 $\pm$ 2.101 χ^2 /NDF: 72.6/3

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 ± 1.395 $\chi^2/\text{NDF}: 385.8/16$

Left Out: 11.536 ± 1.627 $\chi^2/\text{NDF}: 24.3/4$

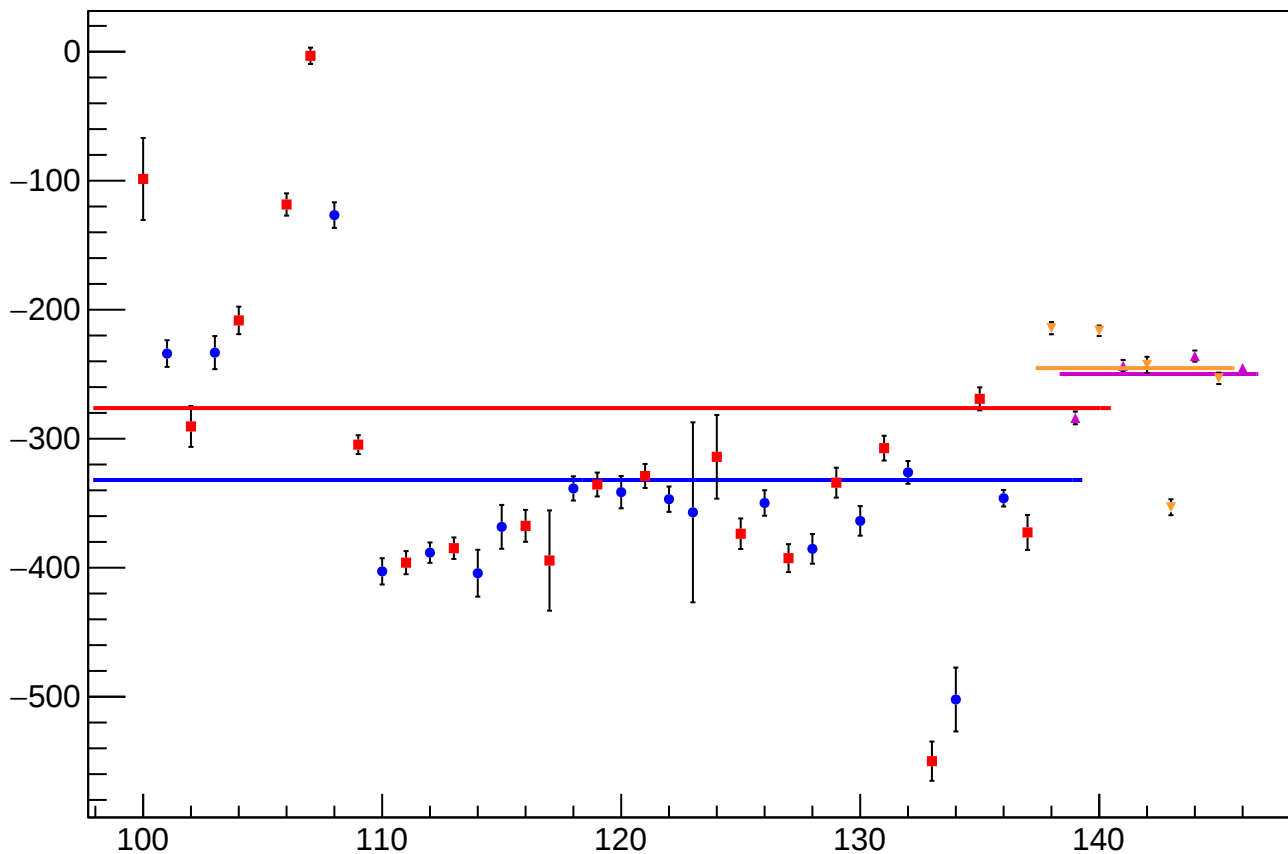
Right Out: 16.498 ± 1.226 $\chi^2/\text{NDF}: 427.0/19$

Left In: -0.804 ± 1.534 $\chi^2/\text{NDF}: 39.4/3$

17.761 ± 1.059 $\chi^2/\text{NDF}: 435.5/21$

9.754 ± 0.958 $\chi^2/\text{NDF}: 544.1/23$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -245.265+/-2.192 χ^2/NDF : 402.1/4

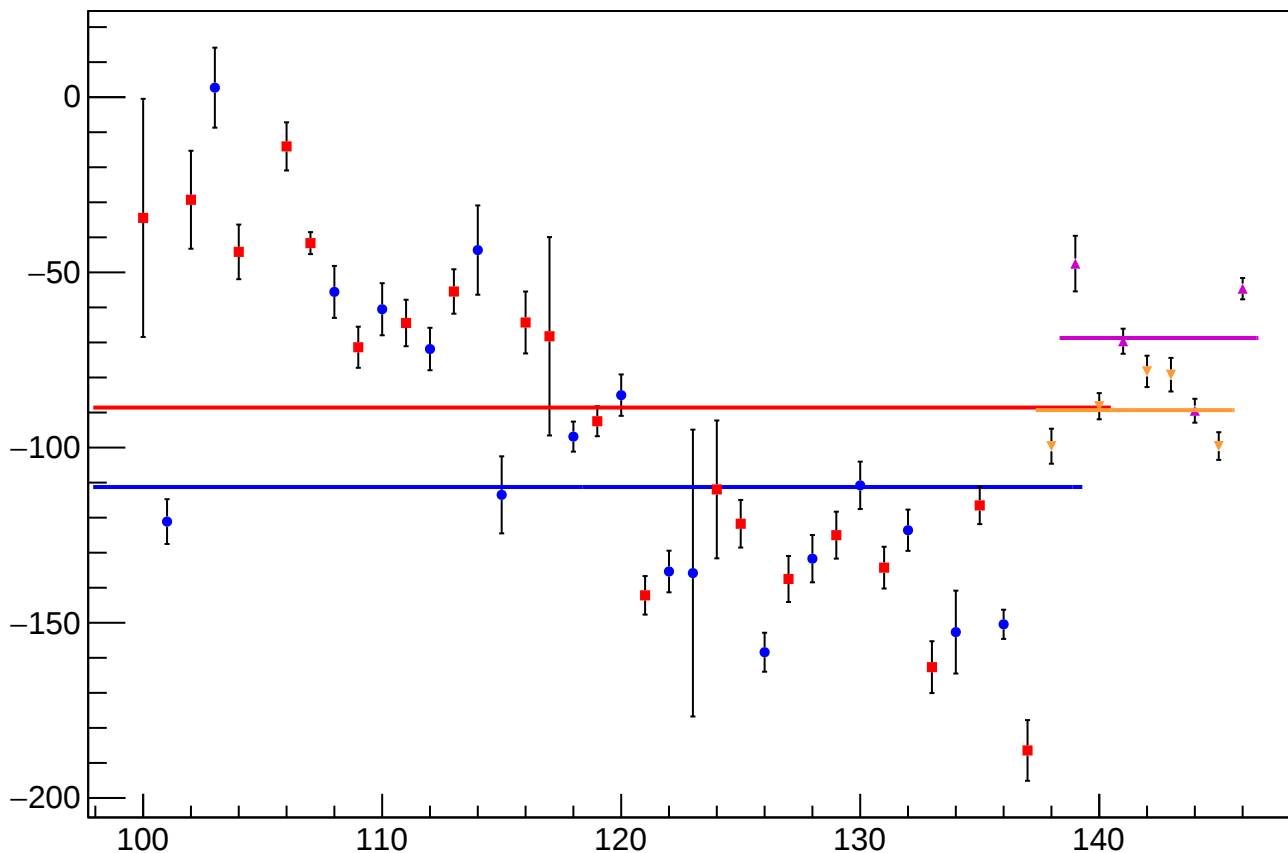
Right Out: -276.265+/-2.320 χ^2/NDF : 3371.5/19

Left In: -249.846+/-2.178 χ^2/NDF : 60.6/3

-281.612+/-1.670 χ^2/NDF : 1843.3/21

-262.218+/-1.588 χ^2/NDF : 3501.0/23

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257+/-1.597 χ^2/NDF : 509.6/16

Left Out: -89.311+/-1.927 χ^2/NDF : 21.6/4

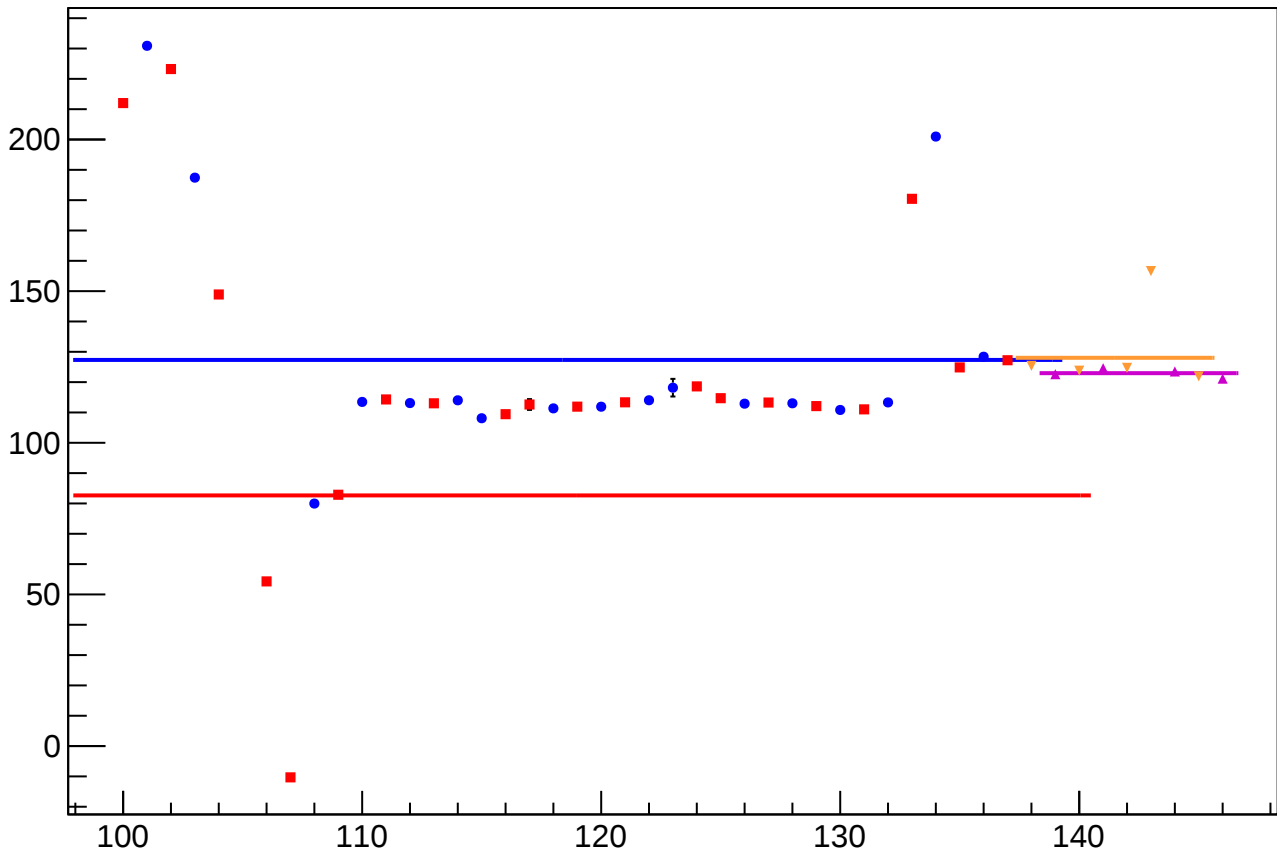
Right Out: -88.581+/-1.431 χ^2/NDF : 971.5/19

Left In: -68.722+/-1.864 χ^2/NDF : 65.7/3

-102.321+/-1.230 χ^2/NDF : 608.1/21

-81.213+/-1.135 χ^2/NDF : 1108.6/23

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323 $\pm$ 0.089 χ^2 /NDF: 187776.4/16

Left Out: 128.024 $\pm$ 0.089 χ^2 /NDF:15449.5/4

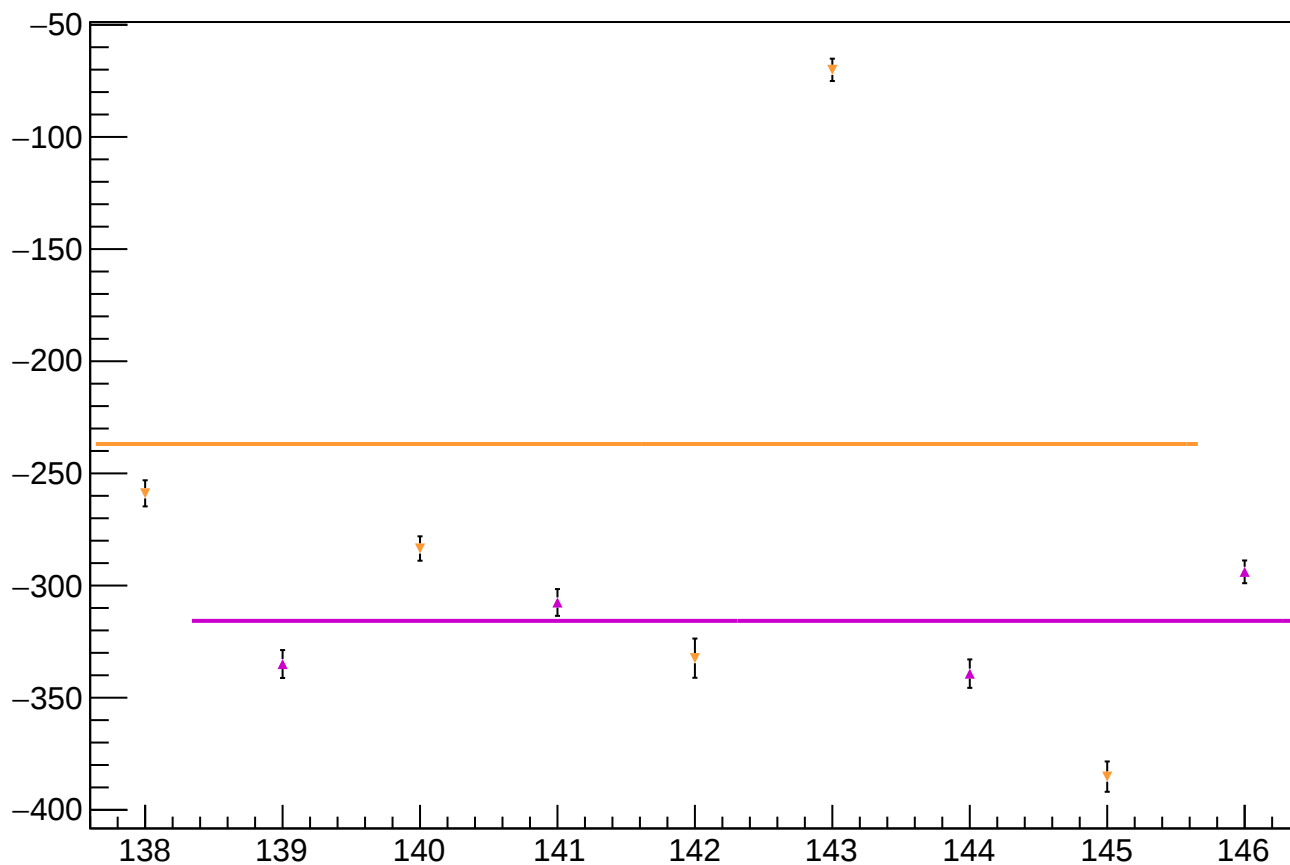
Right Out: 82.649 $\pm$ 0.075 χ^2 /NDF: 765307.1/19

Left In: 122.957 $\pm$ 0.090 χ^2 /NDF:196.6/3

127.674 $\pm$ 0.063 χ^2 /NDF: 203256.7/21

99.190 $\pm$ 0.058 χ^2 /NDF: 883070.9/23

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -236.898+/-2.686 χ^2/NDF :1808.2/4

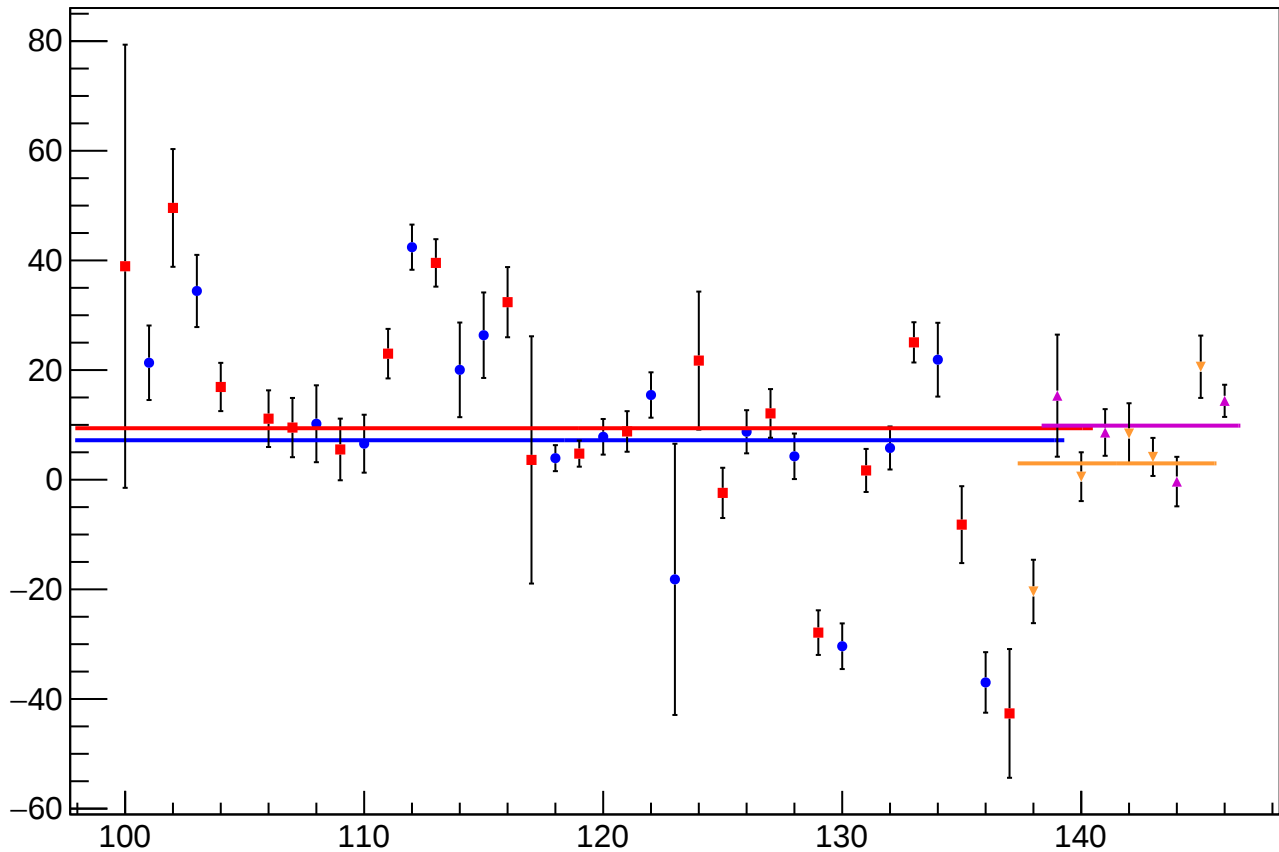
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -315.745+/-2.917 χ^2/NDF :43.8/3

-236.898+/-2.686 χ^2/NDF : 1808.2/4

-315.745+/-2.917 χ^2/NDF : 43.8/3

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 2.979 ± 2.099 χ^2/NDF : 27.3/4

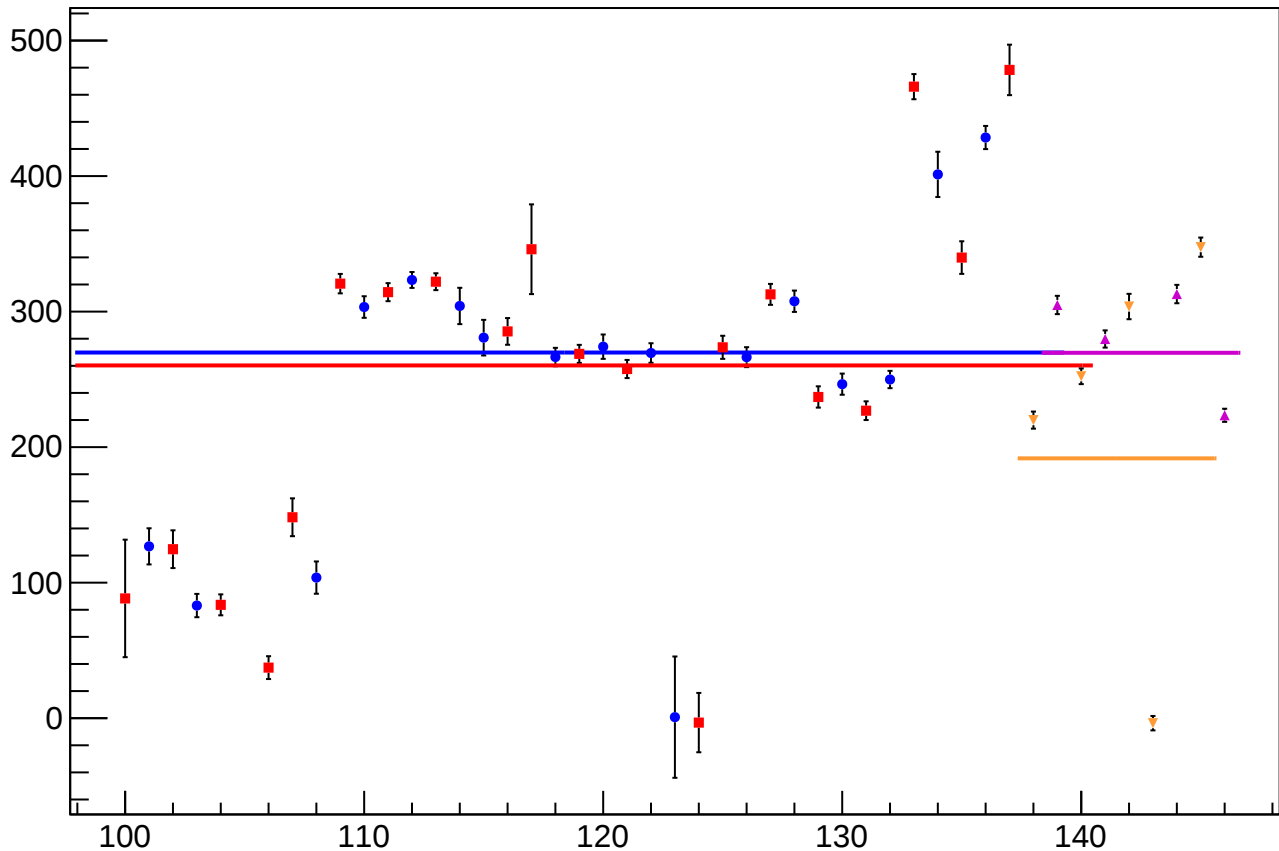
Right Out: 9.390 ± 1.070 χ^2/NDF : 232.2/19

Left In: 9.863 ± 2.093 χ^2/NDF : 7.8/3

6.286 ± 0.976 χ^2/NDF : 291.4/21

9.488 ± 0.953 χ^2/NDF : 240.1/23

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2/NDF : 1374.1/16

Left Out: 191.716 $\pm$ 2.867 χ^2/NDF : 2106.1/4

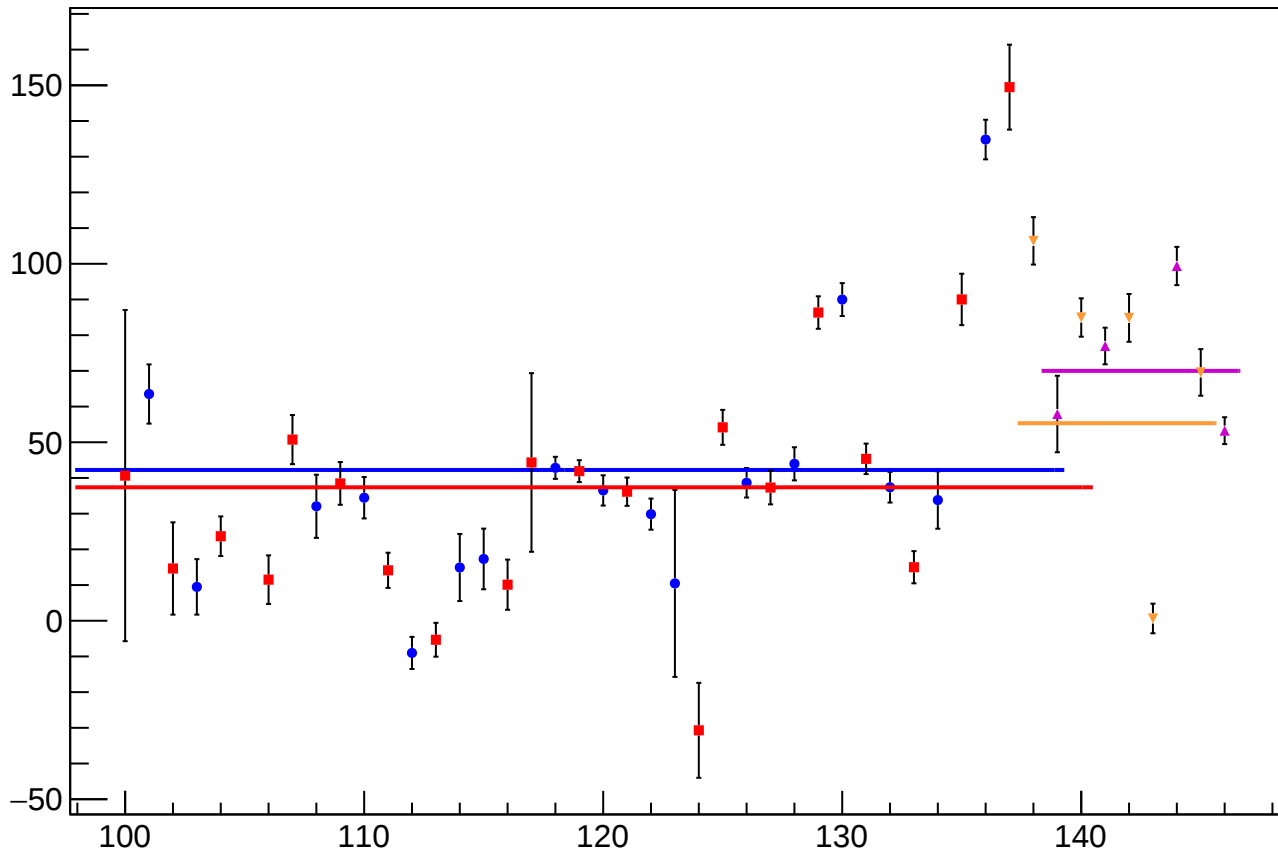
Right Out: 260.286 $\pm$ 1.973 χ^2/NDF : 2545.4/19

Left In: 269.604 $\pm$ 3.001 χ^2/NDF : 161.3/3

242.721 $\pm$ 1.688 χ^2/NDF : 3964.8/21

263.099 $\pm$ 1.649 χ^2/NDF : 2713.4/23

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242+/-1.274 χ^2 /NDF: 574.4/16

Left Out: 55.339+/-2.491 χ^2 /NDF: 287.3/4

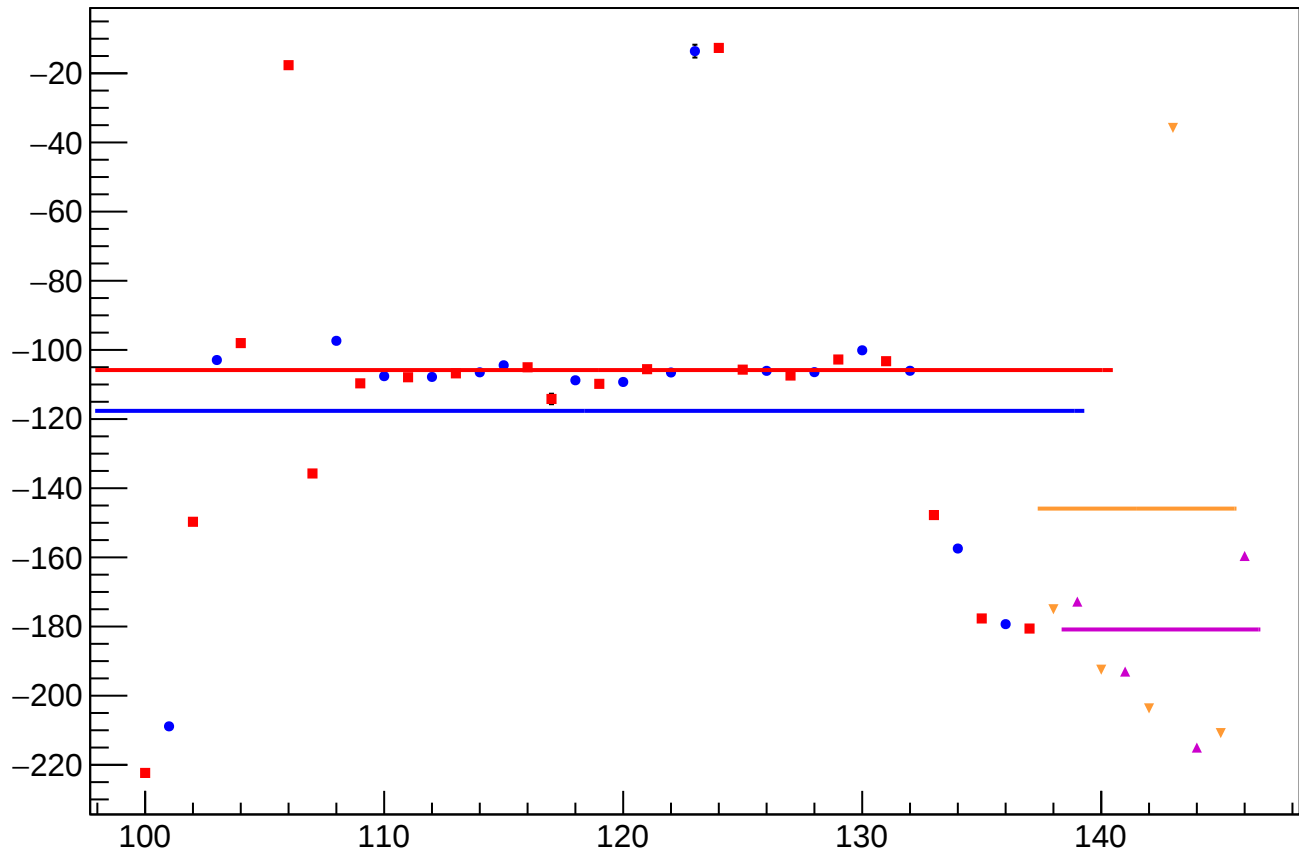
Right Out: 37.384+/-1.233 χ^2 /NDF: 472.4/19

Left In: 70.000+/-2.563 χ^2 /NDF: 53.0/3

44.955+/-1.134 χ^2 /NDF: 883.6/21

43.515+/-1.111 χ^2 /NDF: 656.9/23

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -145.892+/-0.117 χ^2/NDF : 392066.5/4

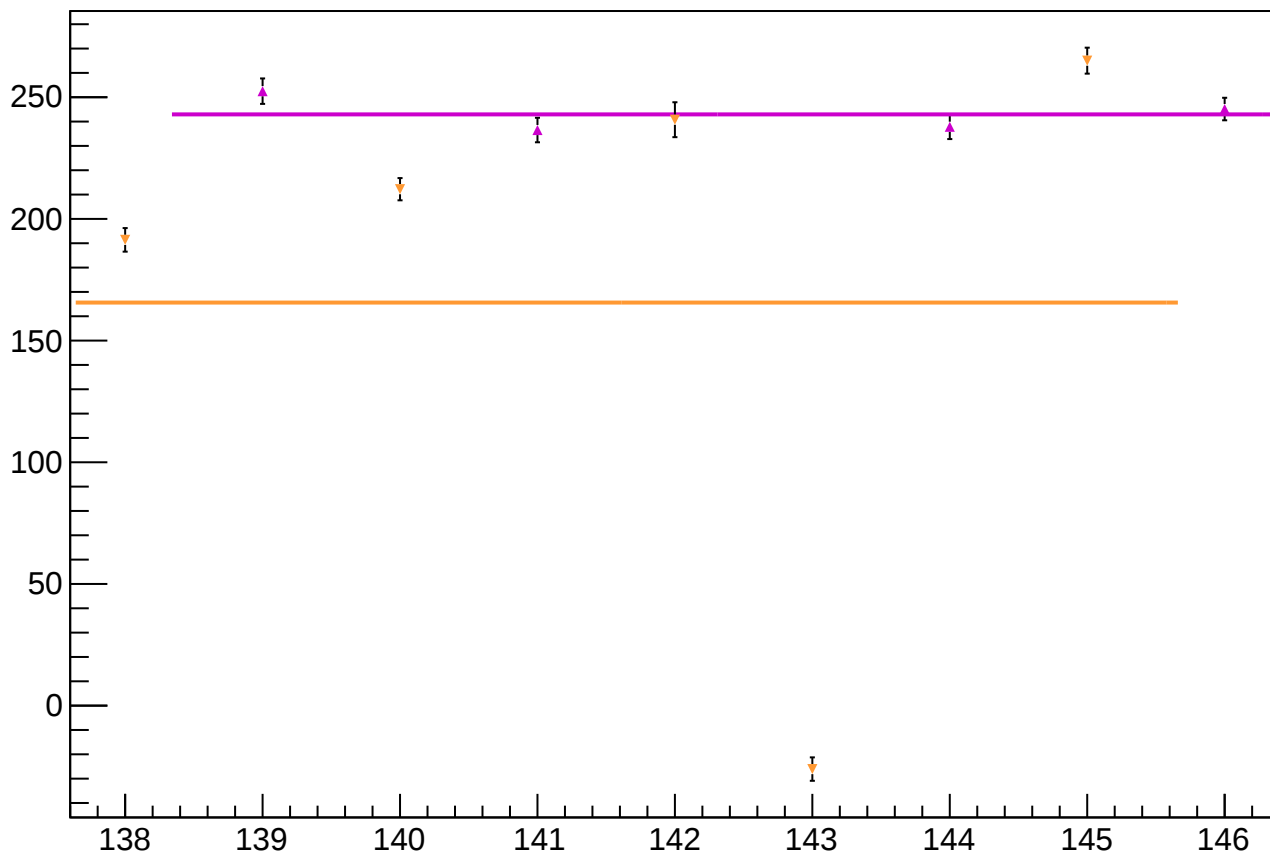
Right Out: -105.826+/-0.073 χ^2/NDF : 323138.4/19

Left In: -180.849+/-0.125 χ^2/NDF : 25675.7/3

-126.436+/-0.065 χ^2/NDF : 574326.6/21

-124.879+/-0.063 χ^2/NDF : 619038.6/23

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 165.628+/-2.305 χ^2/NDF : 2175.8/4

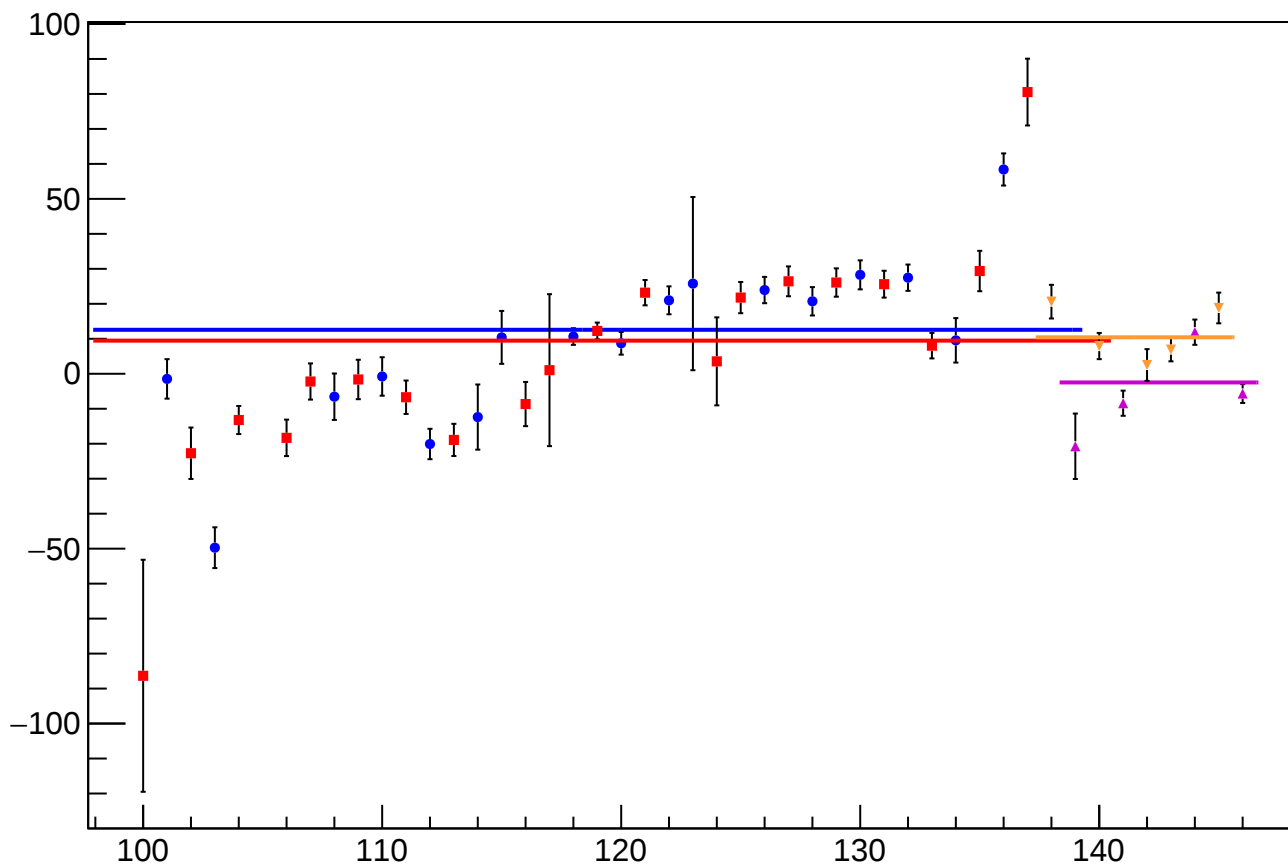
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 242.950+/-2.486 χ^2/NDF : 6.2/3

165.628+/-2.305 χ^2/NDF : 2175.8/4

242.950+/-2.486 χ^2/NDF : 6.2/3

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574+/-1.074 χ^2/NDF : 348.0/16

Left Out: 10.424+/-1.814 χ^2/NDF : 12.7/4

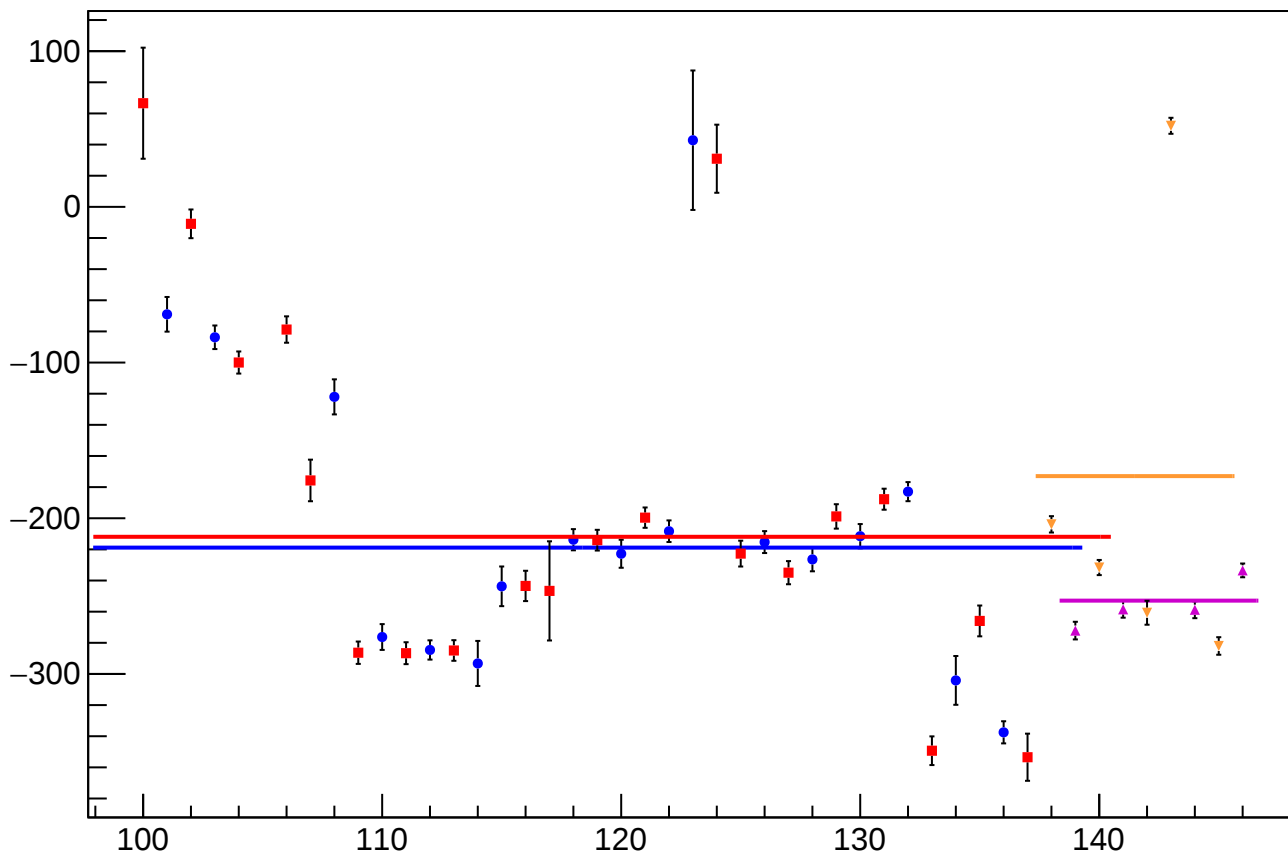
Right Out: 9.474+/-1.046 χ^2/NDF : 296.0/19

Left In: -2.481+/-1.816 χ^2/NDF : 23.8/3

12.016+/-0.924 χ^2/NDF : 361.8/21

6.495+/-0.907 χ^2/NDF : 352.3/23

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855+/-2.023 χ^2/NDF : 1146.6/16

Left Out: -172.935+/-2.463 χ^2/NDF : 2604.0/4

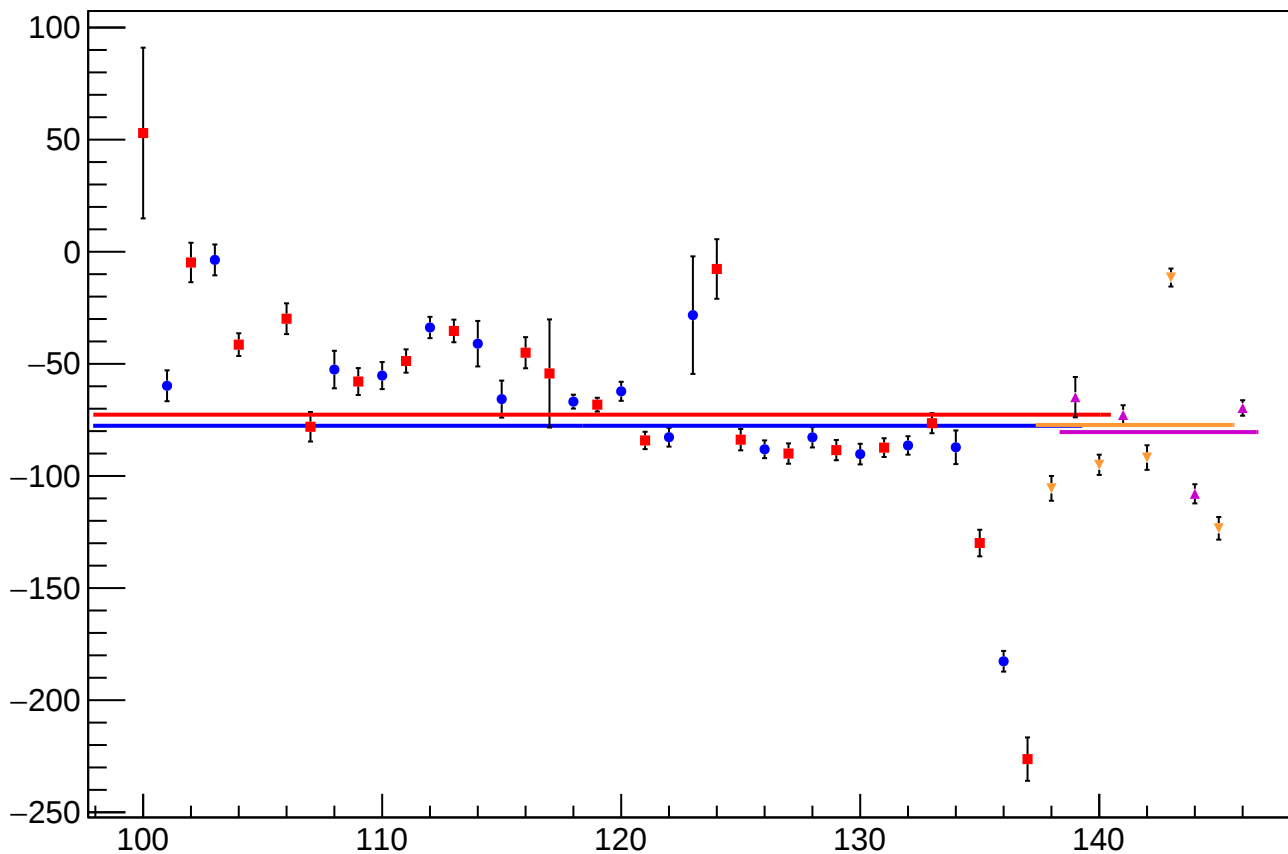
Right Out: -211.907+/-1.920 χ^2/NDF : 1886.4/19

Left In: -252.912+/-2.571 χ^2/NDF : 33.1/3

-200.363+/-1.563 χ^2/NDF : 3958.2/21

-226.591+/-1.539 χ^2/NDF : 2082.7/23

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 $\chi^2/\text{NDF}: 815.9/16$

Left Out: -77.240 ± 2.150 $\chi^2/\text{NDF}: 400.7/4$

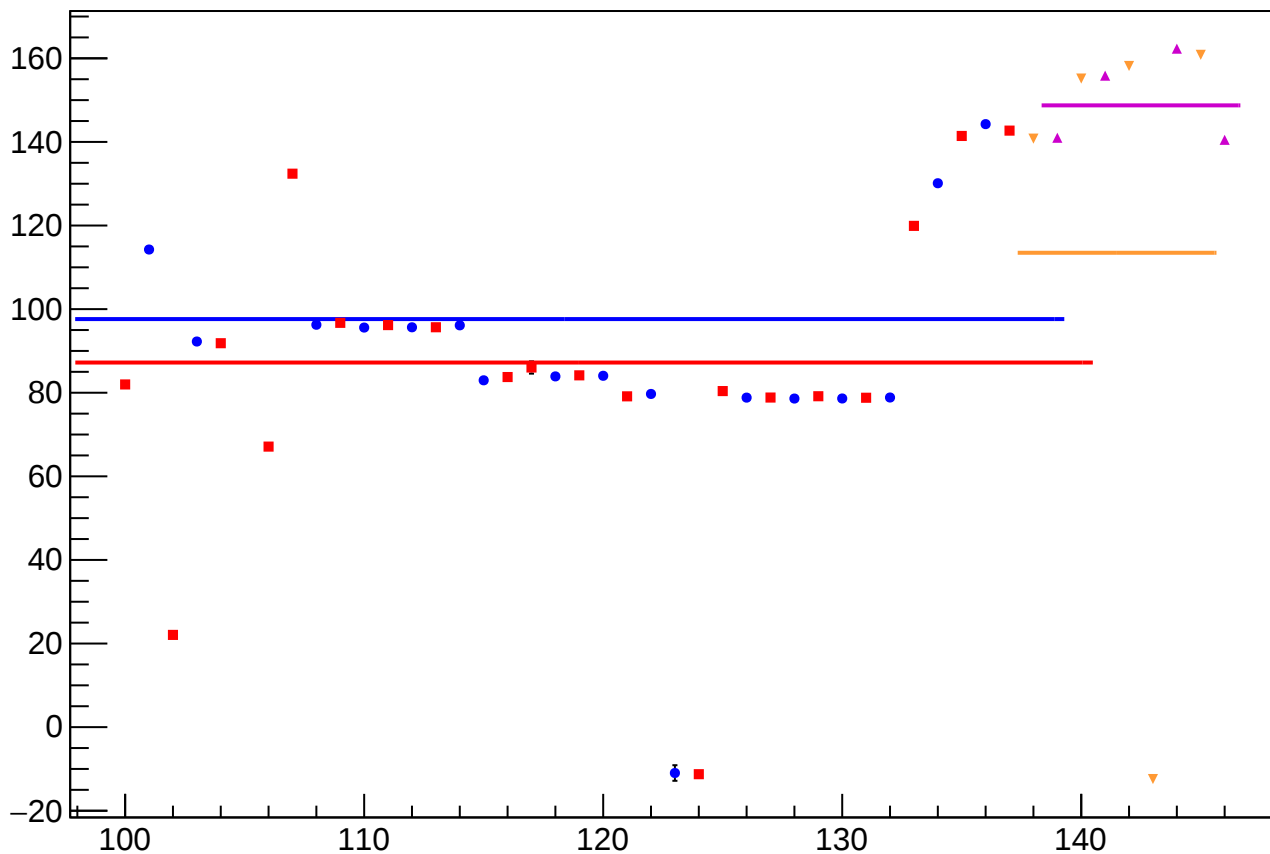
Right Out: -72.664 ± 1.205 $\chi^2/\text{NDF}: 672.0/19$

Left In: -80.426 ± 2.211 $\chi^2/\text{NDF}: 57.3/3$

-77.520 ± 1.072 $\chi^2/\text{NDF}: 1216.6/21$

-74.440 ± 1.058 $\chi^2/\text{NDF}: 738.8/23$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620+/-0.074 χ^2/NDF : 94045.2/16

Left Out: 113.484+/-0.100 χ^2/NDF : 497171.5/4

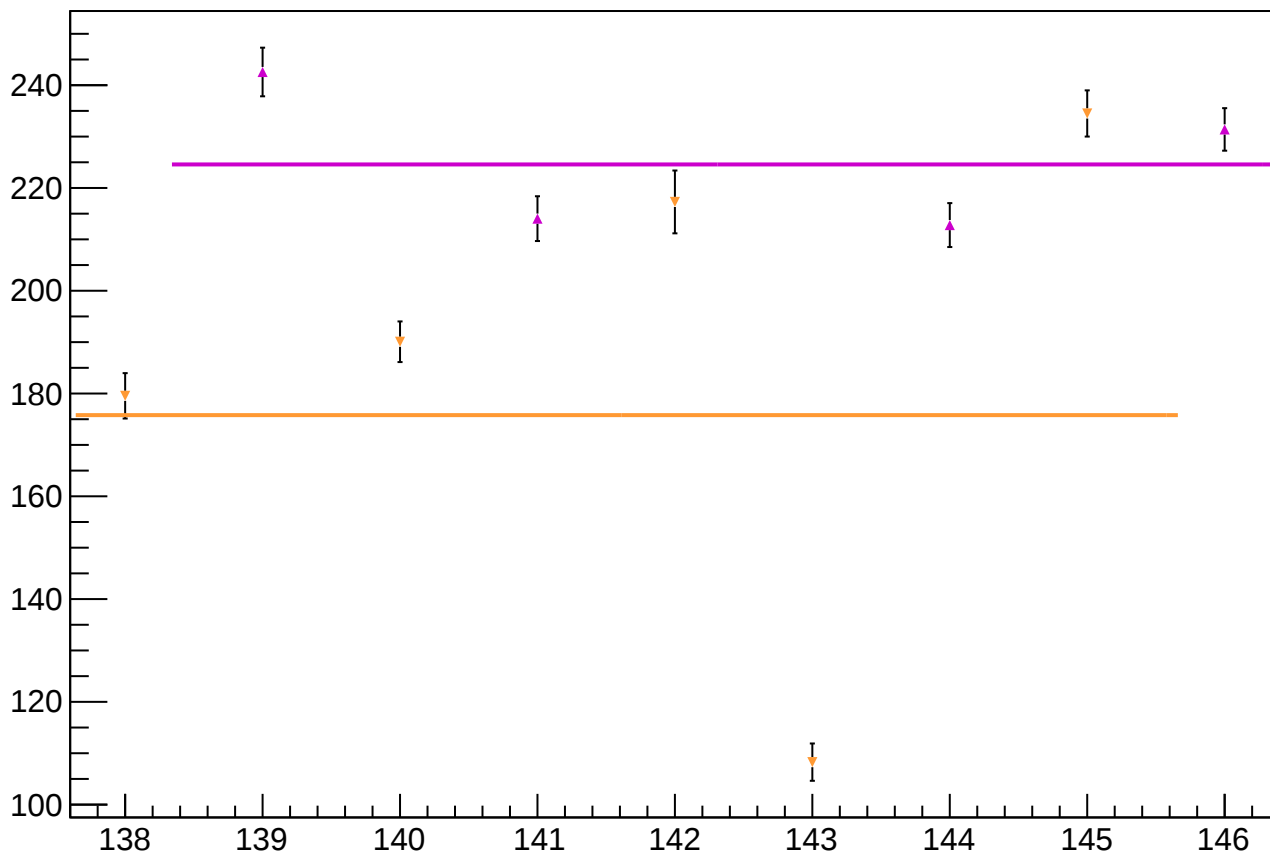
Right Out: 87.224+/-0.068 χ^2/NDF : 220851.2/19

Left In: 148.745+/-0.106 χ^2/NDF : 7515.0/3

103.190+/-0.059 χ^2/NDF : 607478.6/21

105.154+/-0.057 χ^2/NDF : 465573.4/23

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: 175.796+/-1.934 χ^2/NDF : 576.3/4

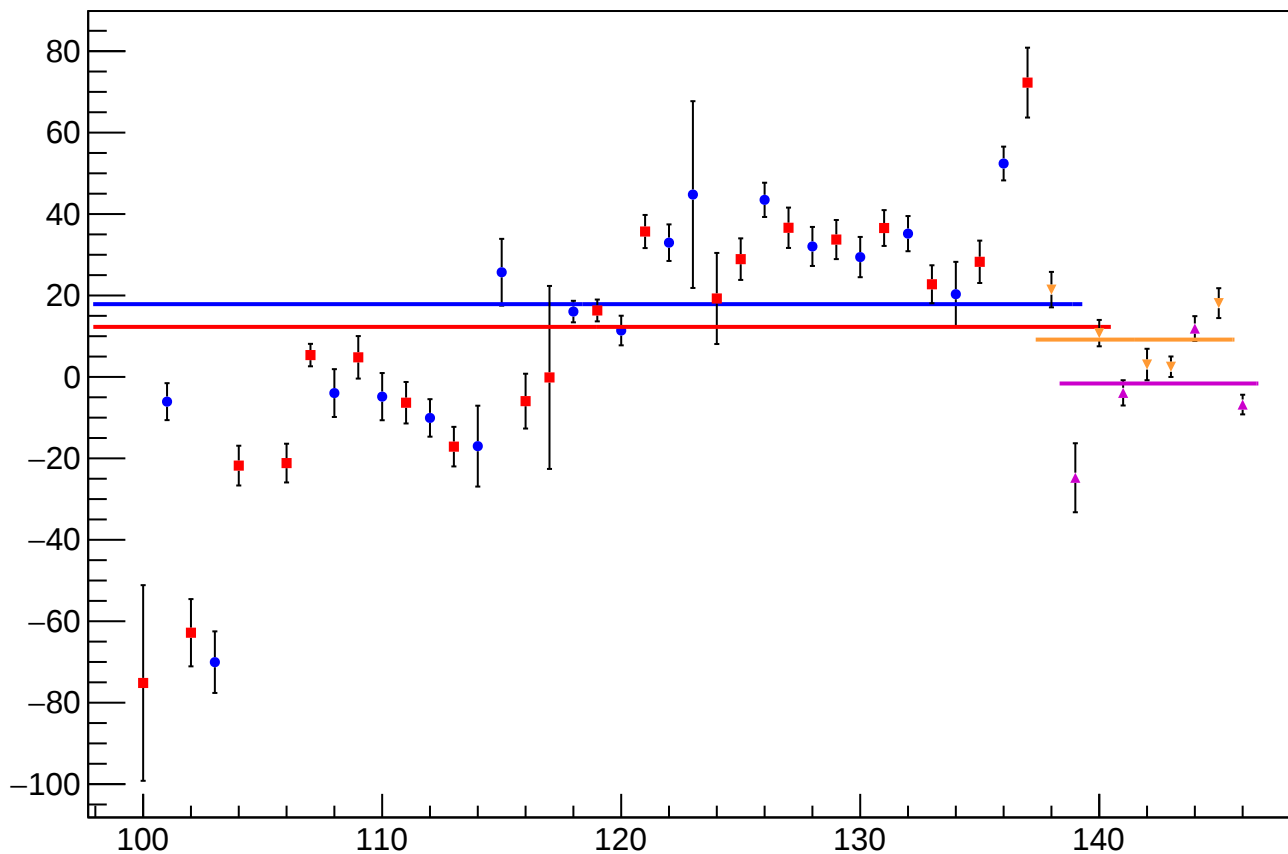
175.796+/-1.934 χ^2/NDF : 576.3/4

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

Left In: 224.580+/-2.180 χ^2/NDF : 30.6/3

224.580+/-2.180 χ^2/NDF : 30.6/3

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: 9.169 ± 1.494 χ^2/NDF : 23.7/4

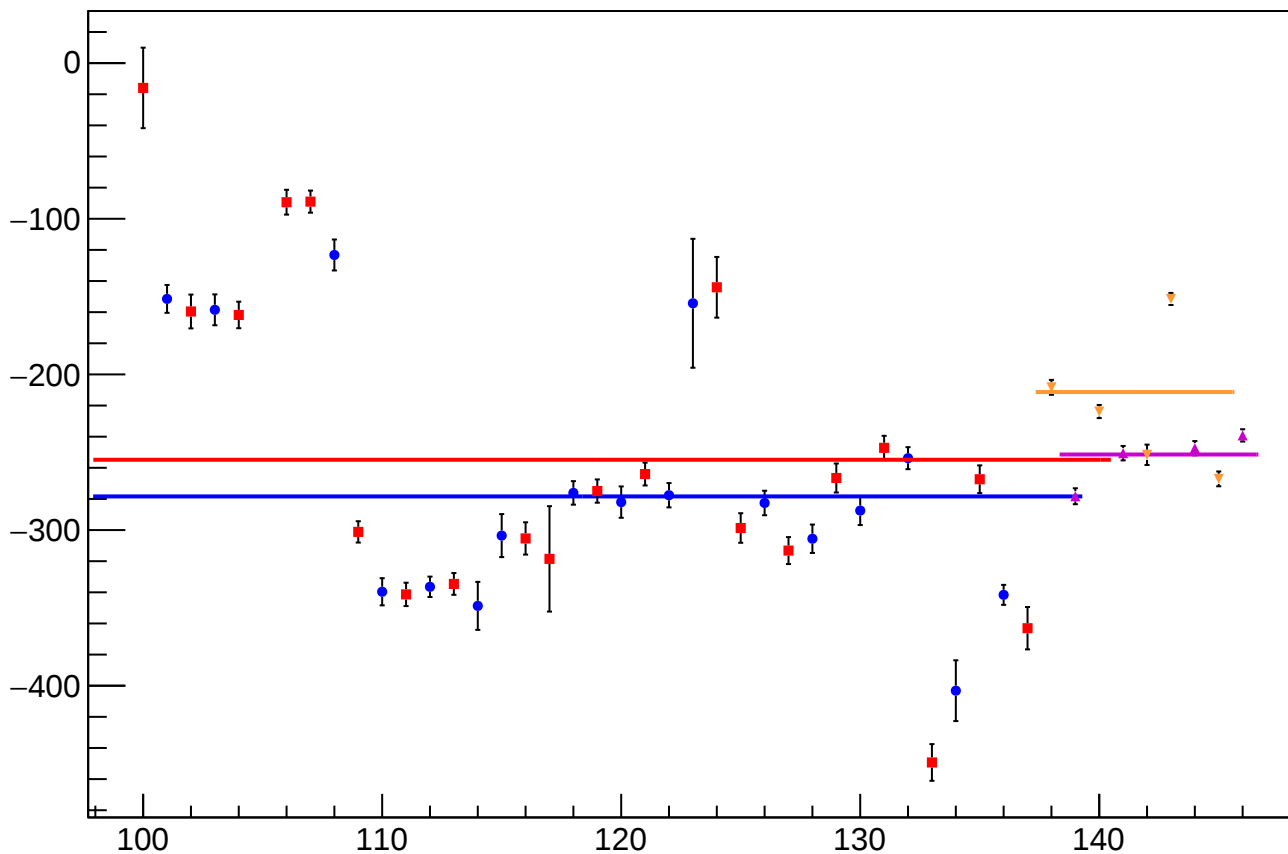
Right Out: 12.288 ± 1.082 χ^2/NDF : 444.4/19

Left In: -1.613 ± 1.587 χ^2/NDF : 32.2/3

14.579 ± 0.919 χ^2/NDF : 440.1/21

7.877 ± 0.894 χ^2/NDF : 528.9/23

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 $\pm$ 2.185 χ^2/NDF : 910.6/16

Left Out: -211.315 $\pm$ 2.067 χ^2/NDF : 422.7/4

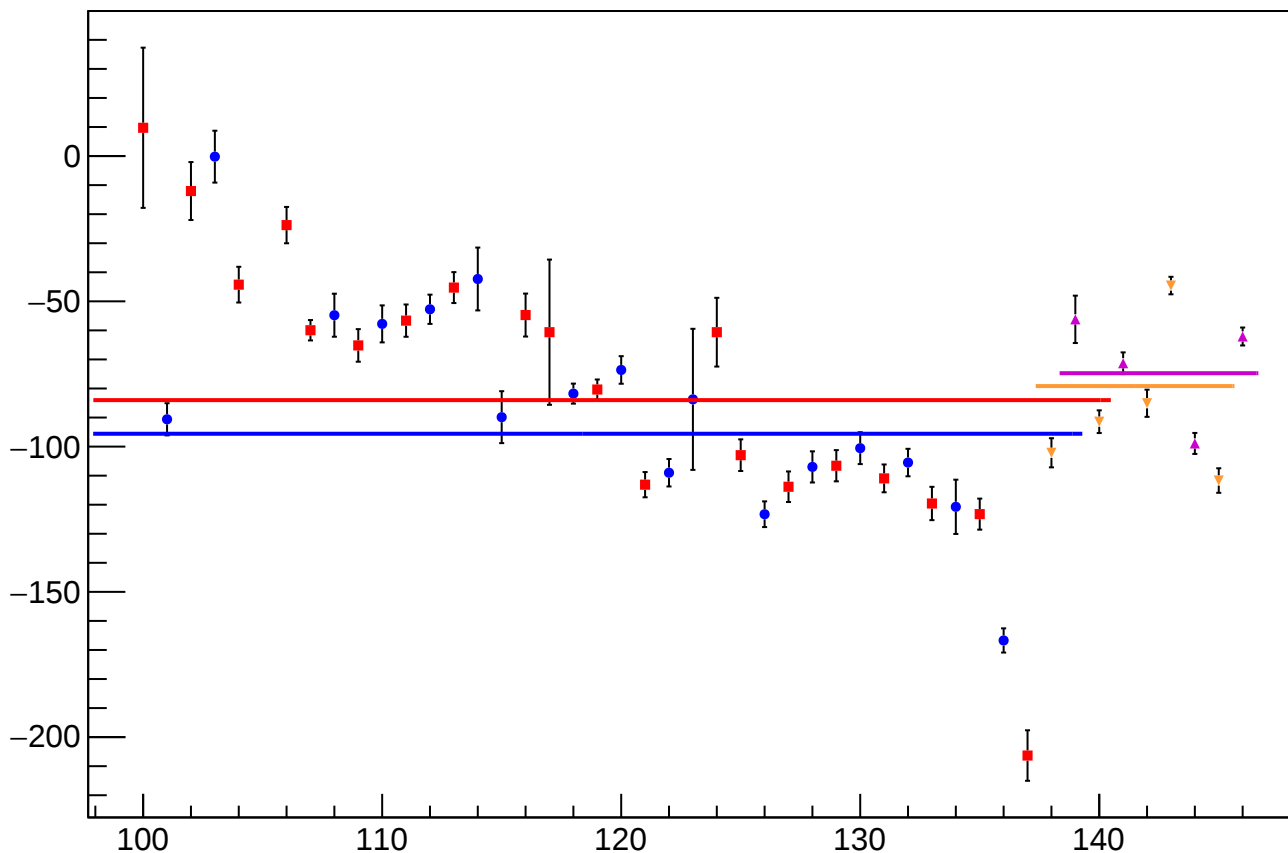
Right Out: -254.830 $\pm$ 2.016 χ^2/NDF : 2041.0/19

Left In: -251.454 $\pm$ 2.257 χ^2/NDF : 37.8/3

-242.986 $\pm$ 1.501 χ^2/NDF : 1830.5/21

-253.331 $\pm$ 1.504 χ^2/NDF : 2080.1/23

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 ± 1.340 $\chi^2/\text{NDF}: 671.2/16$

Left Out: -79.169 ± 1.776 $\chi^2/\text{NDF}: 223.5/4$

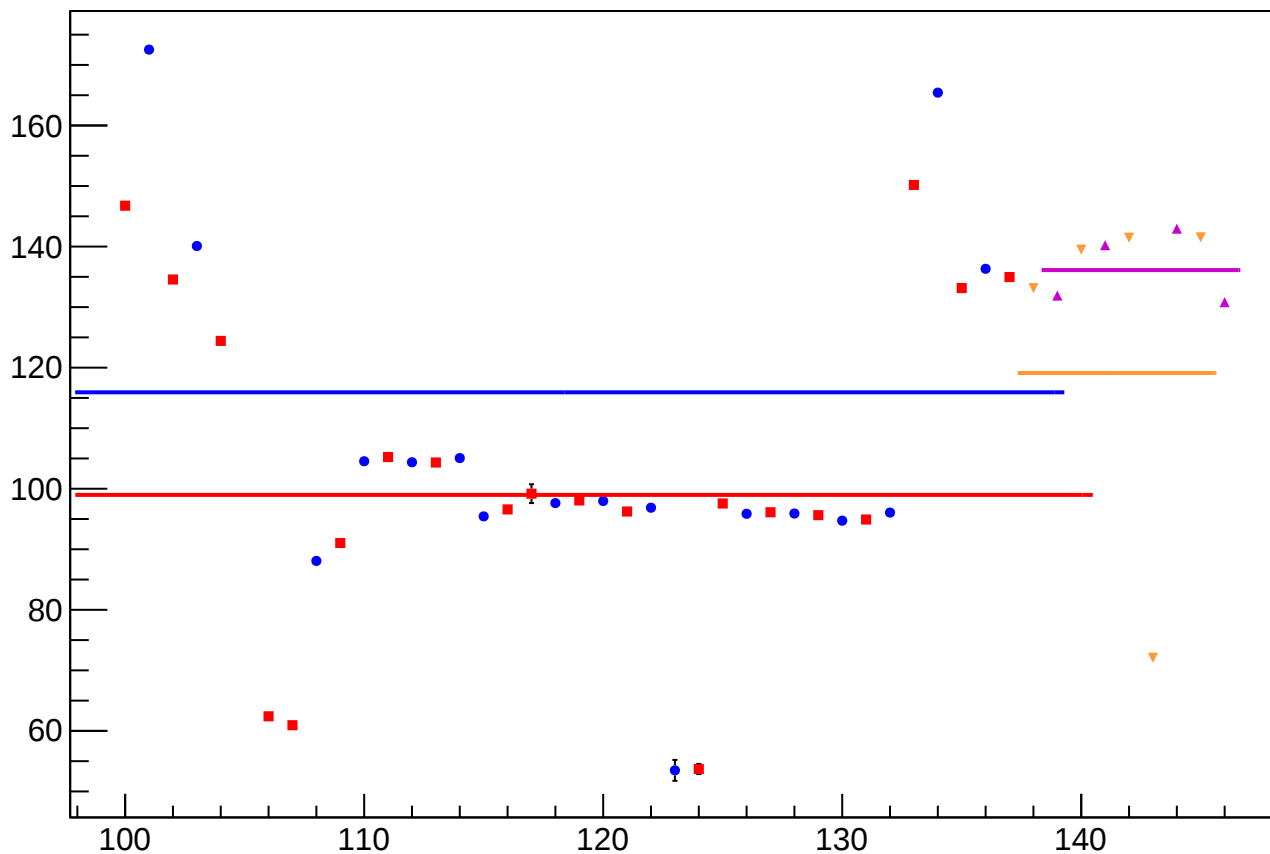
Right Out: -84.003 ± 1.255 $\chi^2/\text{NDF}: 784.1/19$

Left In: -74.731 ± 1.931 $\chi^2/\text{NDF}: 67.5/3$

-89.620 ± 1.070 $\chi^2/\text{NDF}: 949.1/21$

-81.250 ± 1.052 $\chi^2/\text{NDF}: 867.8/23$

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: 119.120+/-0.084 χ^2/NDF :130835.4/4

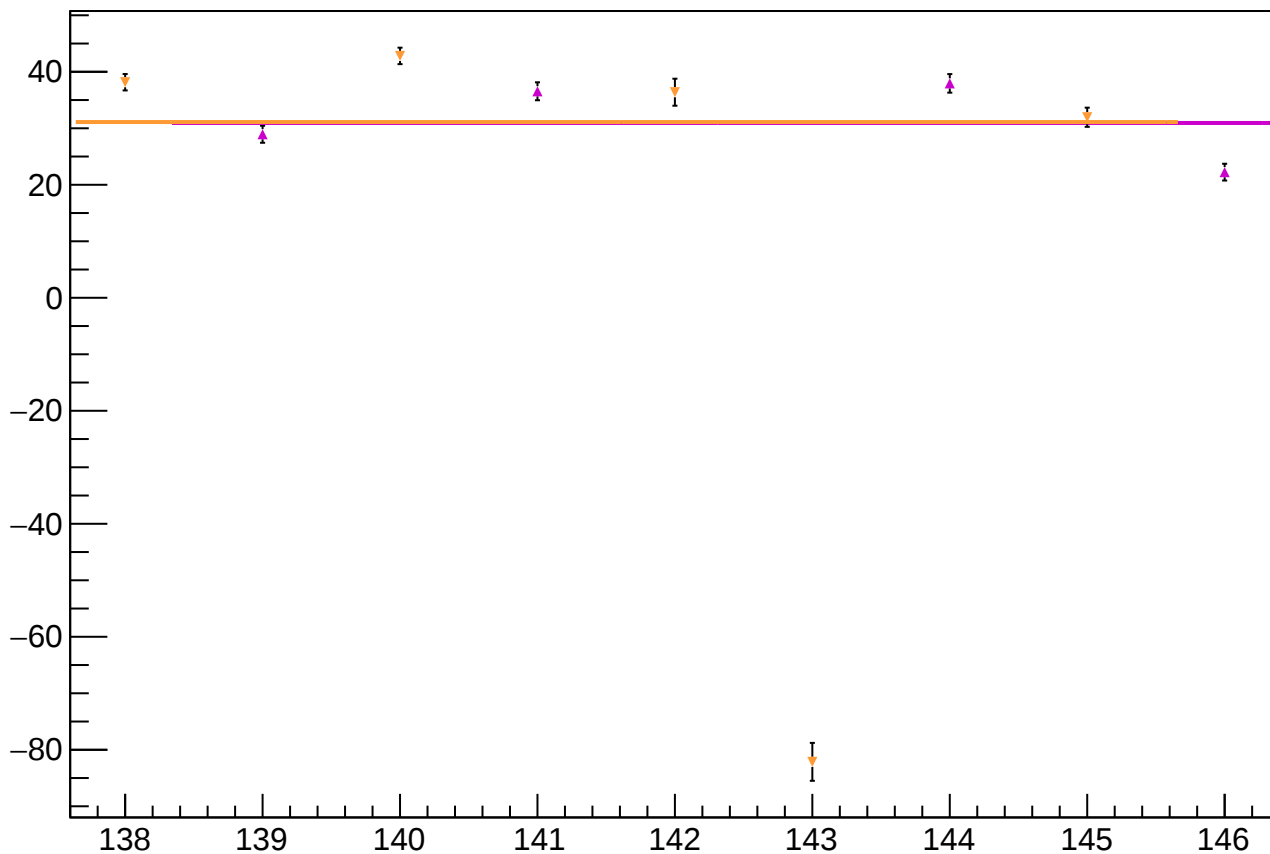
Right Out: 98.982+/-0.068 χ^2/NDF : 172974.2/19

Left In: 136.115+/-0.094 χ^2/NDF :3043.1/3

117.412+/-0.057 χ^2/NDF : 237397.9/21

111.936+/-0.055 χ^2/NDF : 278589.2/23

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: 31.104+/-0.802 χ^2/NDF :1232.6/4

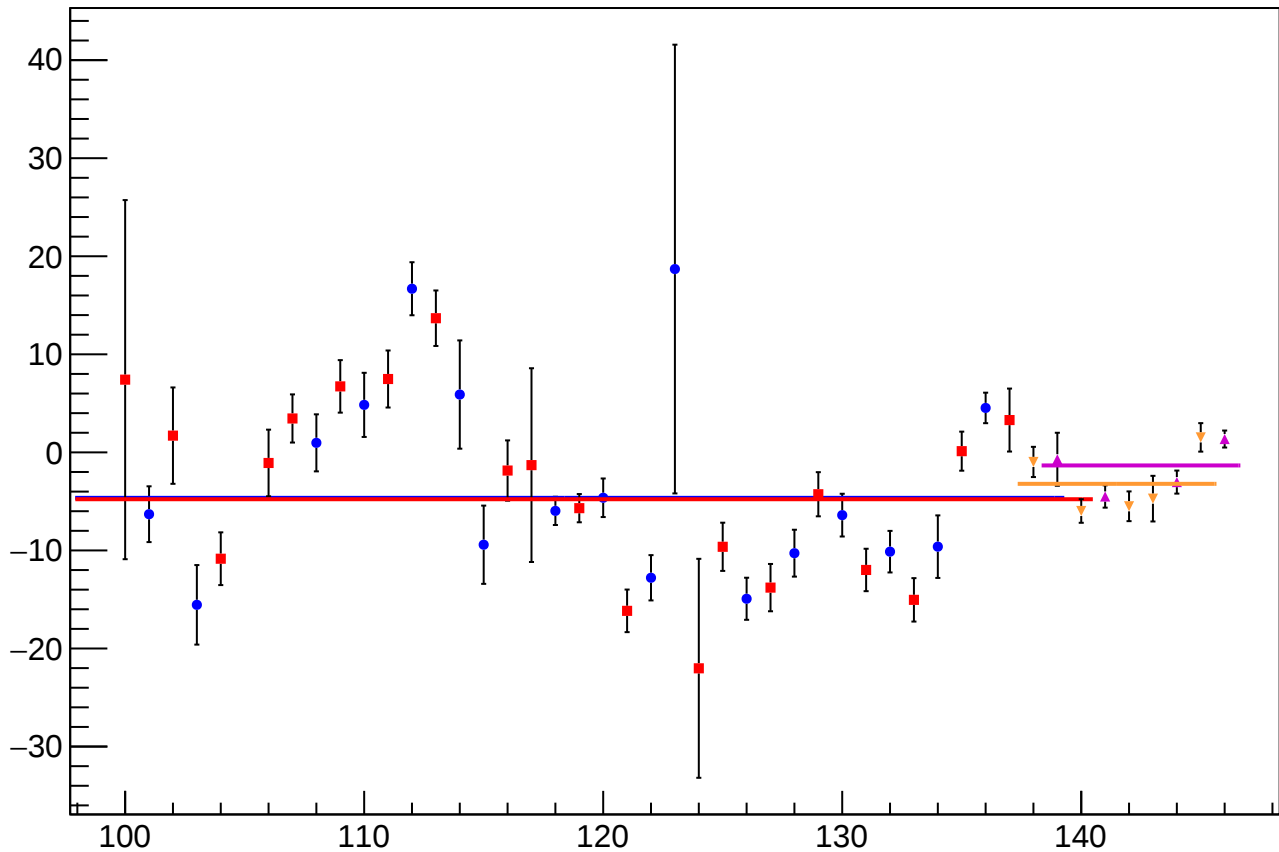
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 30.940+/-0.776 χ^2/NDF :66.7/3

31.104+/-0.802 χ^2/NDF : 1232.6/4

30.940+/-0.776 χ^2/NDF : 66.7/3

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -3.209 ± 0.673 χ^2/NDF : 20.7/4

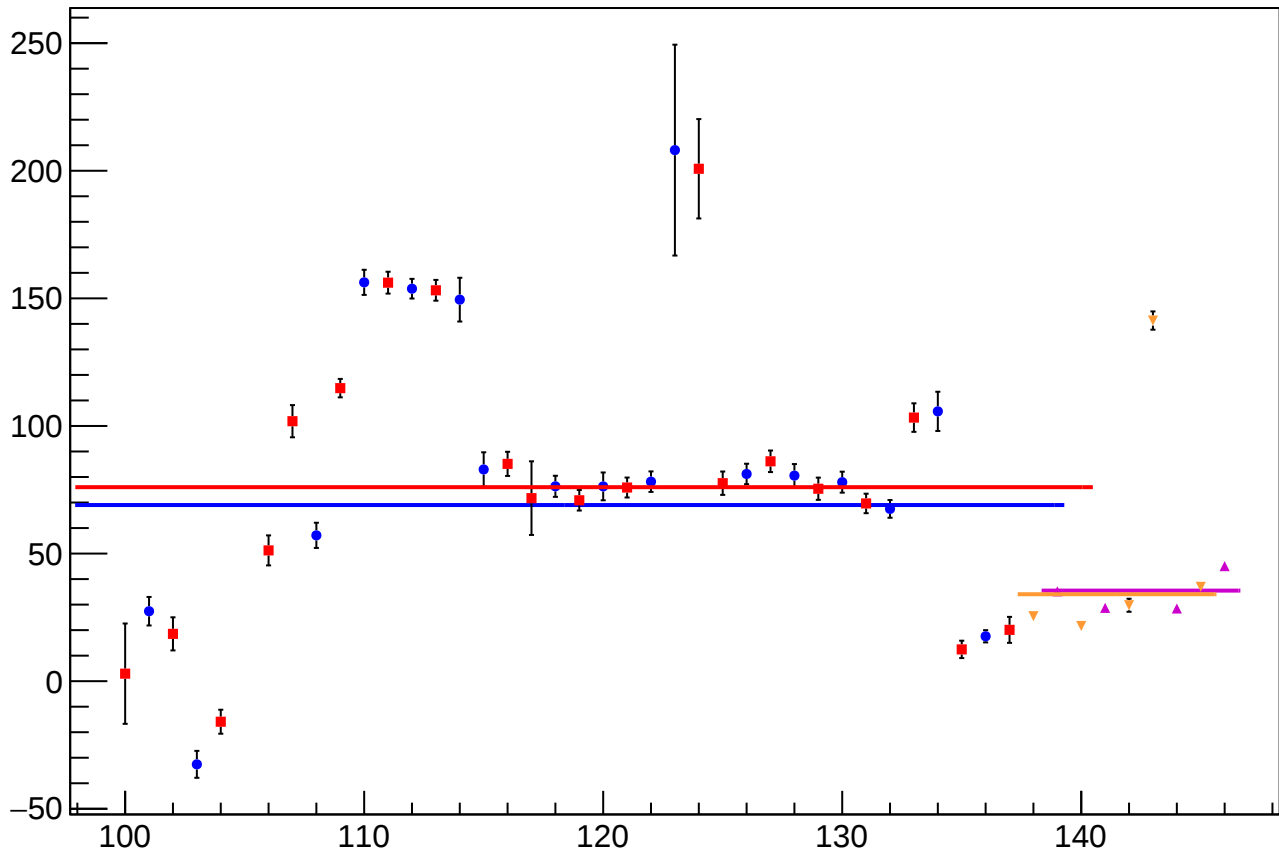
Right Out: -4.779 ± 0.583 χ^2/NDF : 192.7/19

Left In: -1.333 ± 0.581 χ^2/NDF : 19.5/3

-4.019 ± 0.443 χ^2/NDF : 197.7/21

-3.047 ± 0.412 χ^2/NDF : 229.7/23

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019 ± 1.083 $\chi^2/\text{NDF}: 1848.0/16$

Left Out: 34.068 ± 0.856 $\chi^2/\text{NDF}: 996.3/4$

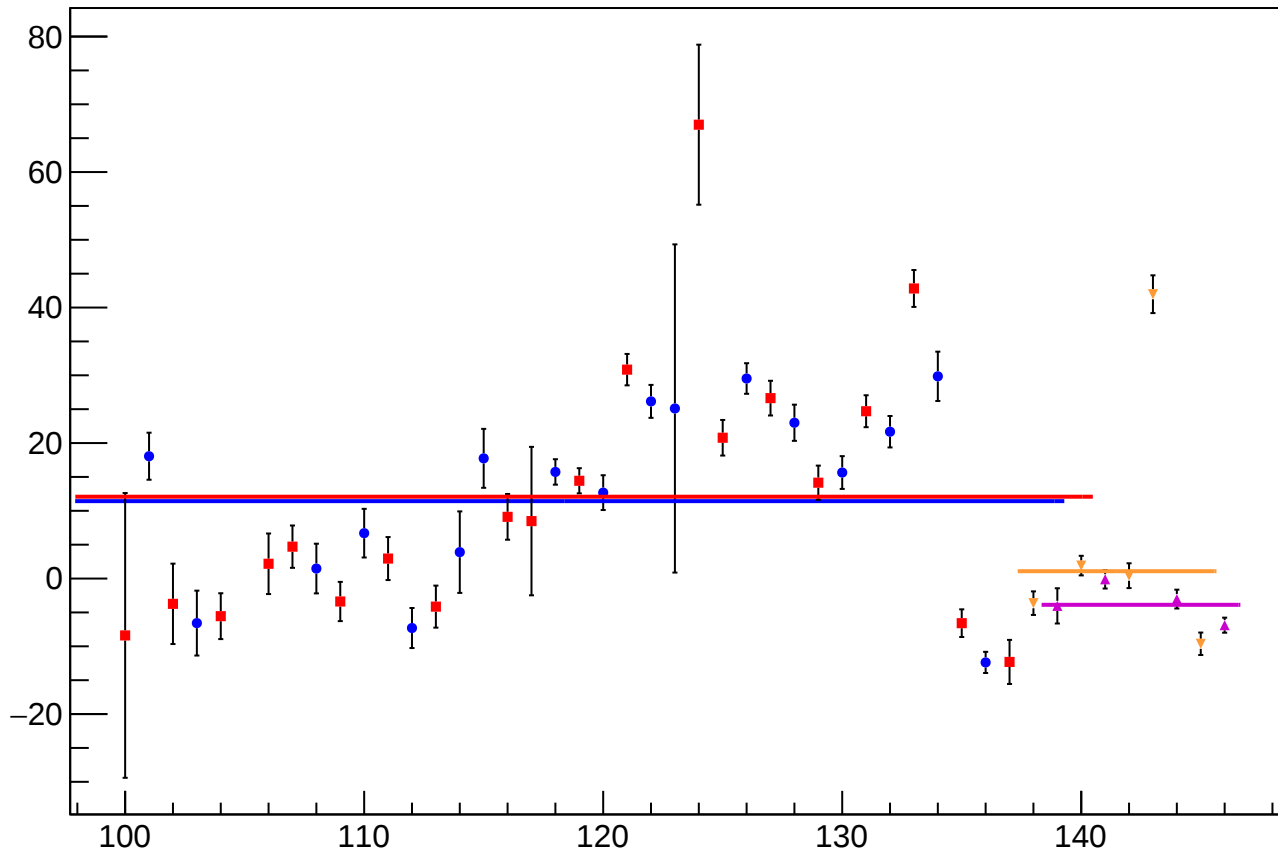
Right Out: 76.017 ± 1.067 $\chi^2/\text{NDF}: 1882.0/19$

Left In: 35.489 ± 0.805 $\chi^2/\text{NDF}: 77.5/3$

47.491 ± 0.671 $\chi^2/\text{NDF}: 3485.4/21$

50.185 ± 0.642 $\chi^2/\text{NDF}: 2879.2/23$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 $\pm$ 0.665 χ^2 /NDF: 476.8/16

Left Out: 1.087 $\pm$ 0.790 χ^2 /NDF: 264.8/4

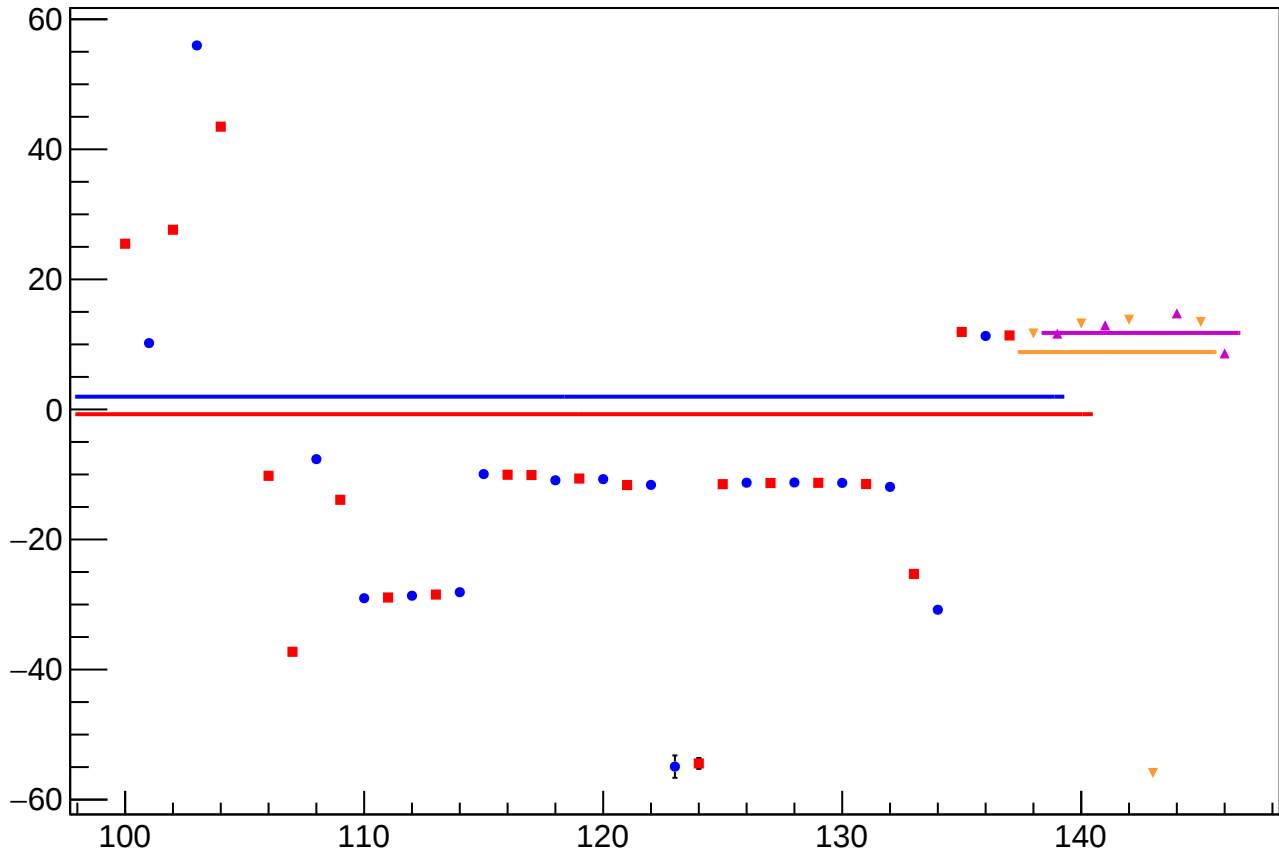
Right Out: 12.082 $\pm$ 0.663 χ^2 /NDF: 539.2/19

Left In: -3.875 $\pm$ 0.705 χ^2 /NDF: 15.3/3

7.138 $\pm$ 0.509 χ^2 /NDF: 841.7/21

4.594 $\pm$ 0.483 χ^2 /NDF: 826.6/23

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 1.960+/-0.037 χ^2/NDF : 358457.0/16

Left Out: 8.824+/-0.035 χ^2/NDF : 216754.5/4

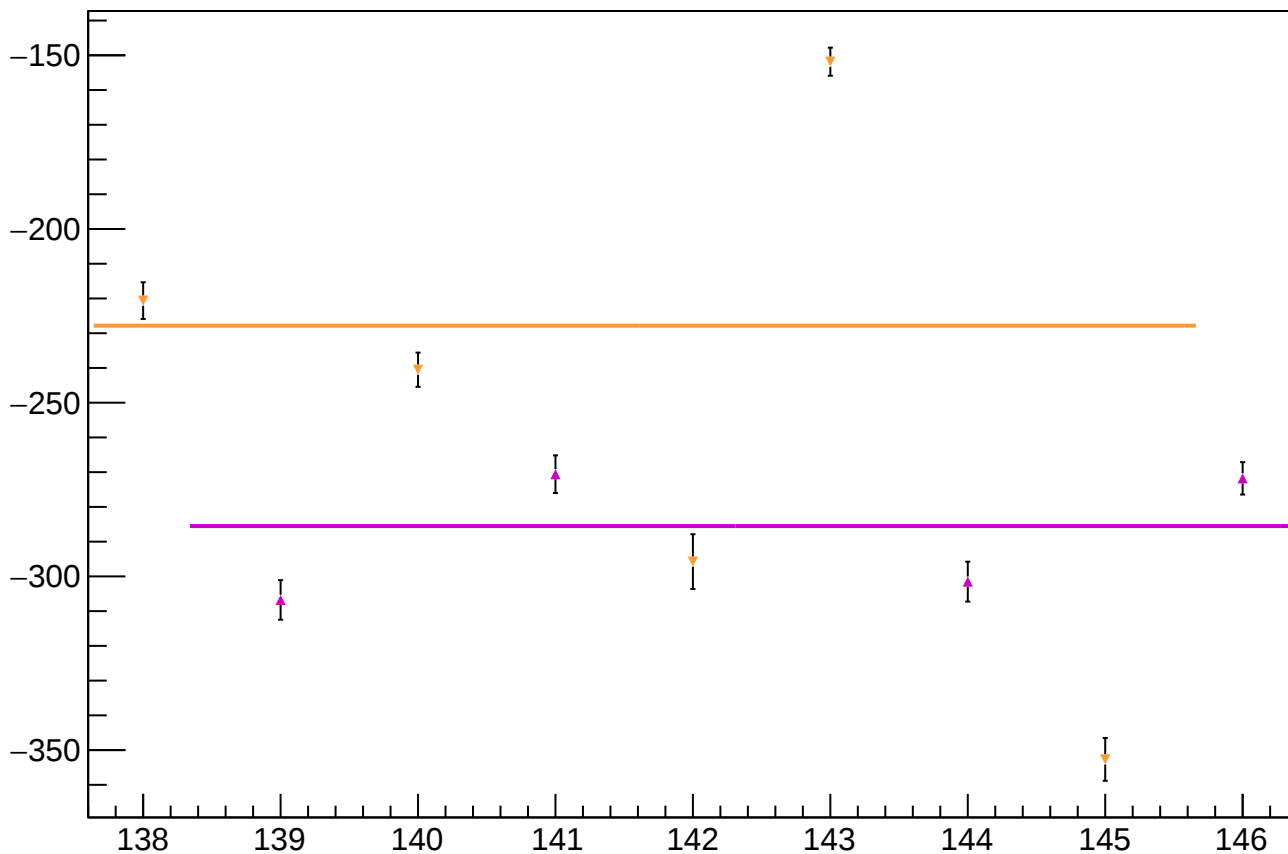
Right Out: -0.733+/-0.037 χ^2/NDF : 361368.4/19

Left In: 11.765+/-0.033 χ^2/NDF : 4142.0/3

5.635+/-0.025 χ^2/NDF : 593488.4/21

6.251+/-0.025 χ^2/NDF : 429054.5/23

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: -227.832+/-2.353 χ^2/NDF : 847.4/4

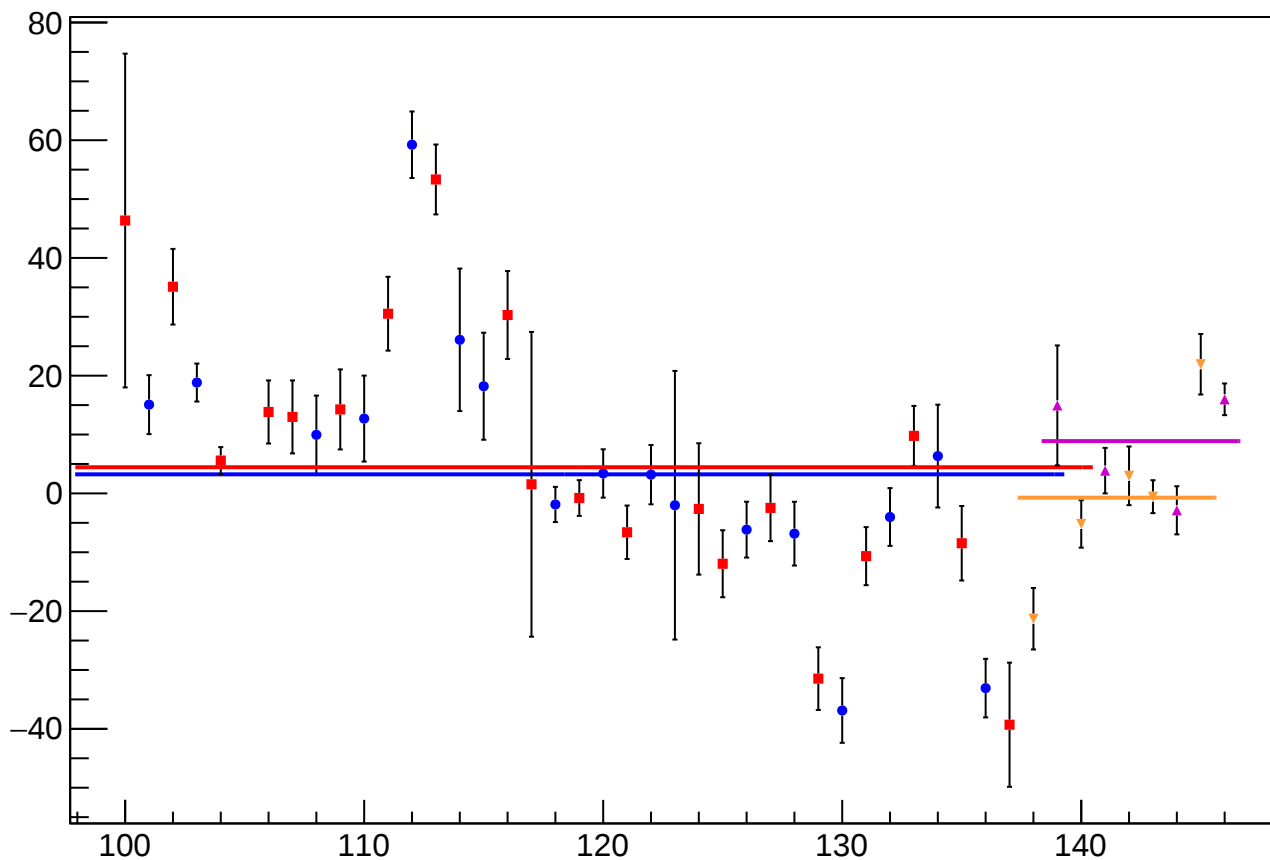
-227.832+/-2.353 χ^2/NDF : 847.4/4

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

Left In: -285.513+/-2.664 χ^2/NDF : 37.9/3

-285.513+/-2.664 χ^2/NDF : 37.9/3

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: -0.729 ± 1.813 χ^2/NDF : 36.7/4

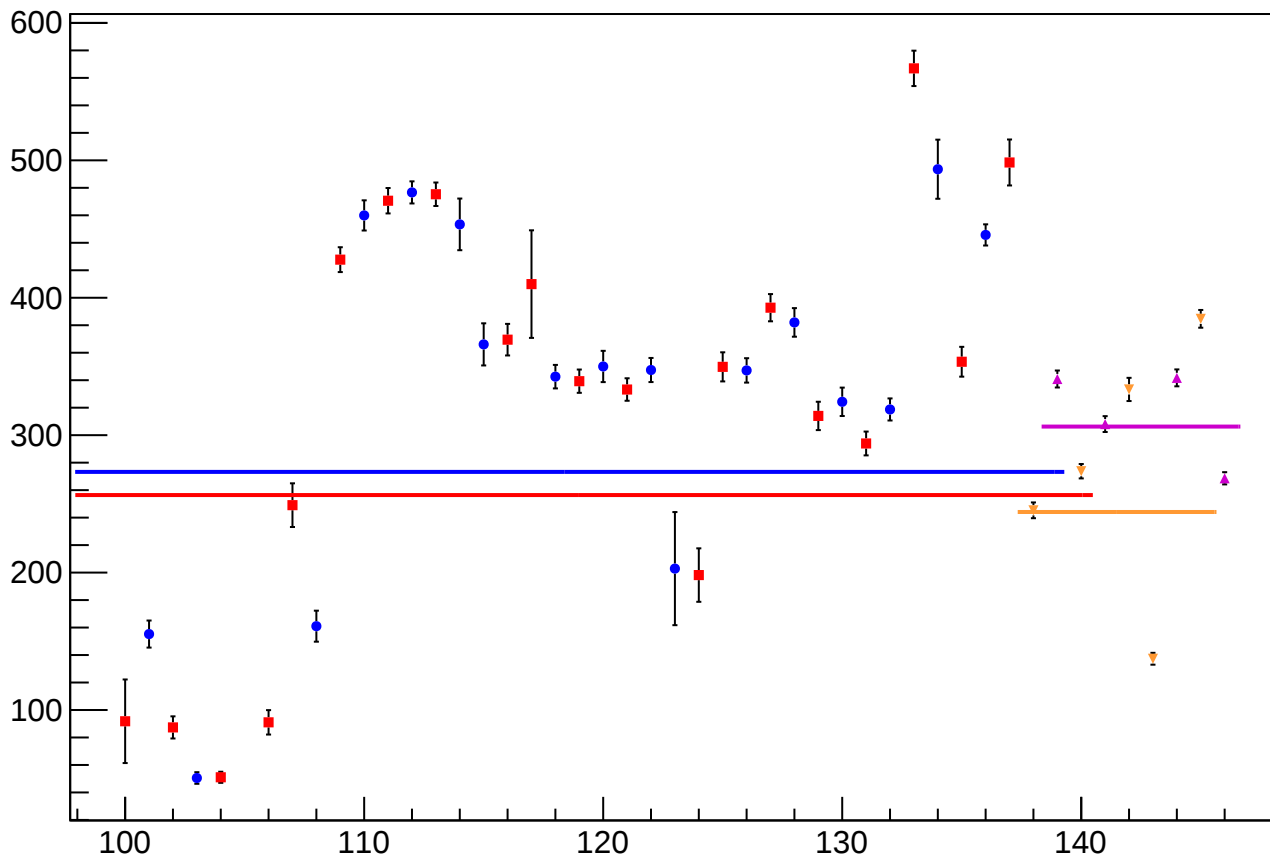
Right Out: 4.444 ± 1.156 χ^2/NDF : 225.8/19

Left In: 8.883 ± 1.909 χ^2/NDF : 17.3/3

1.968 ± 1.026 χ^2/NDF : 295.2/21

5.635 ± 0.989 χ^2/NDF : 247.0/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 ± 2.205 χ^2/NDF : 5101.5/16

Left Out: 244.100 ± 2.511 χ^2/NDF : 1230.7/4

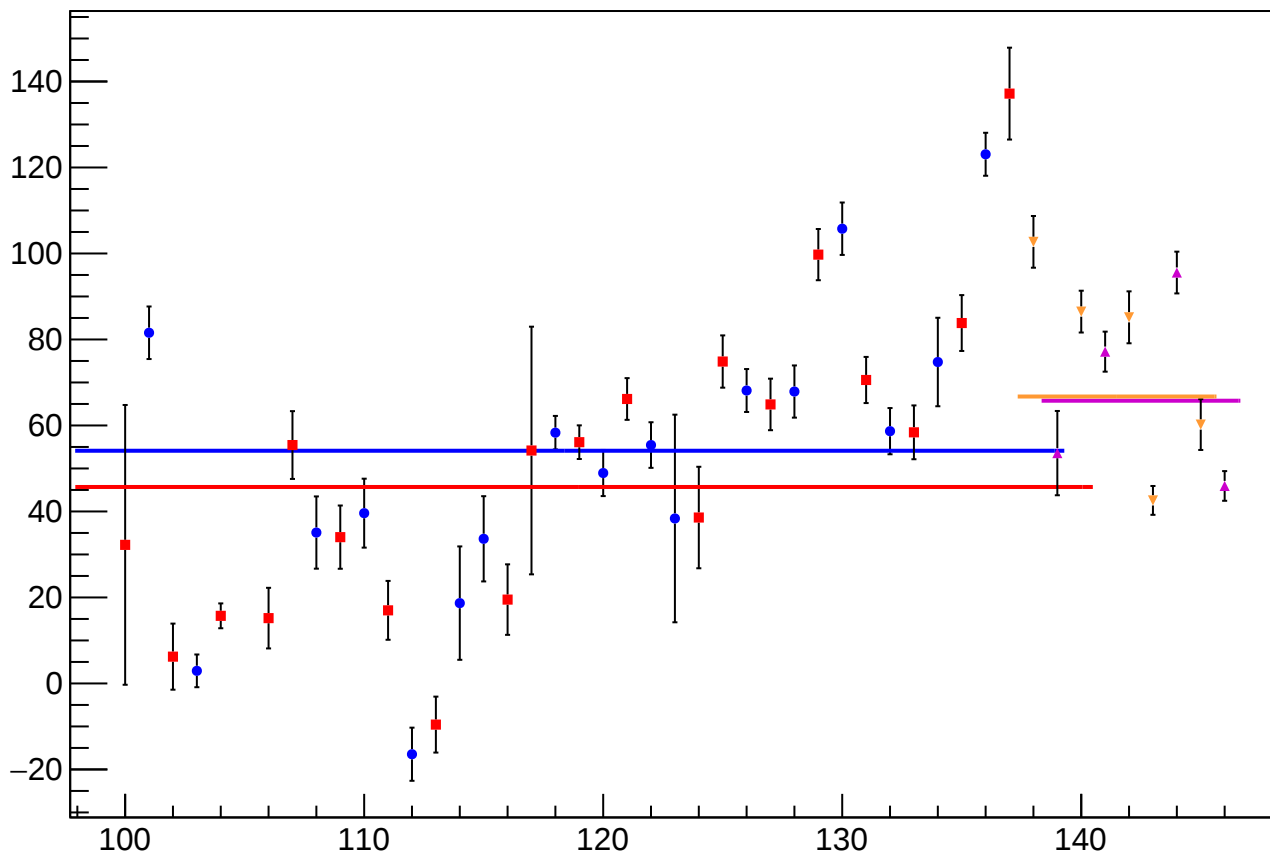
Right Out: 256.418 ± 2.077 χ^2/NDF : 6453.9/19

Left In: 306.258 ± 2.741 χ^2/NDF : 136.1/3

260.578 ± 1.657 χ^2/NDF : 6408.4/21

274.596 ± 1.655 χ^2/NDF : 6800.0/23

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: 66.731 $\pm$ 2.157 χ^2 /NDF:114.7/4

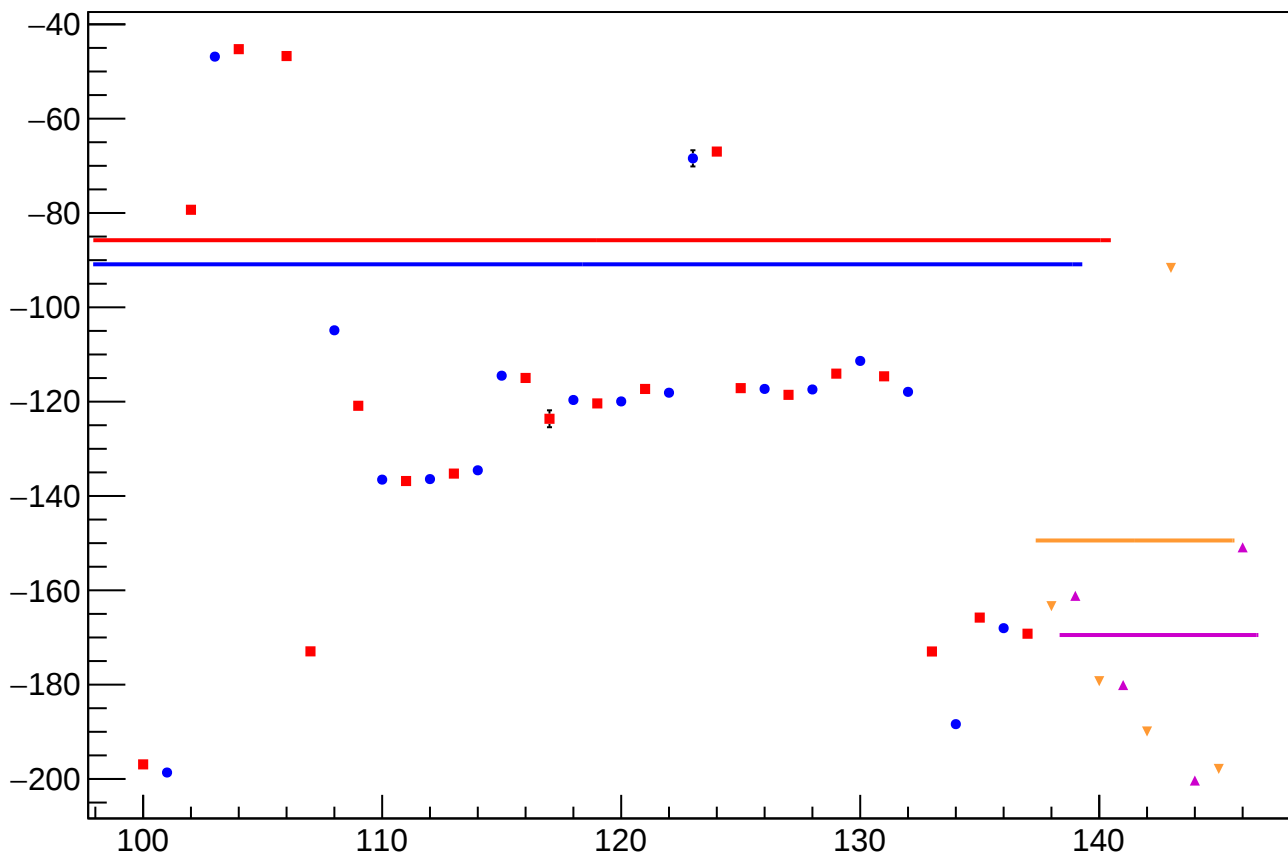
Right Out: 45.694 $\pm$ 1.356 χ^2 /NDF: 531.1/19

Left In: 65.755 $\pm$ 2.338 χ^2 /NDF:78.2/3

57.999 $\pm$ 1.196 χ^2 /NDF: 772.3/21

50.741 $\pm$ 1.173 χ^2 /NDF: 664.4/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881+/-0.068 χ^2/NDF : 533423.8/16

Left Out: -149.435+/-0.102 χ^2/NDF : 182457.7/4

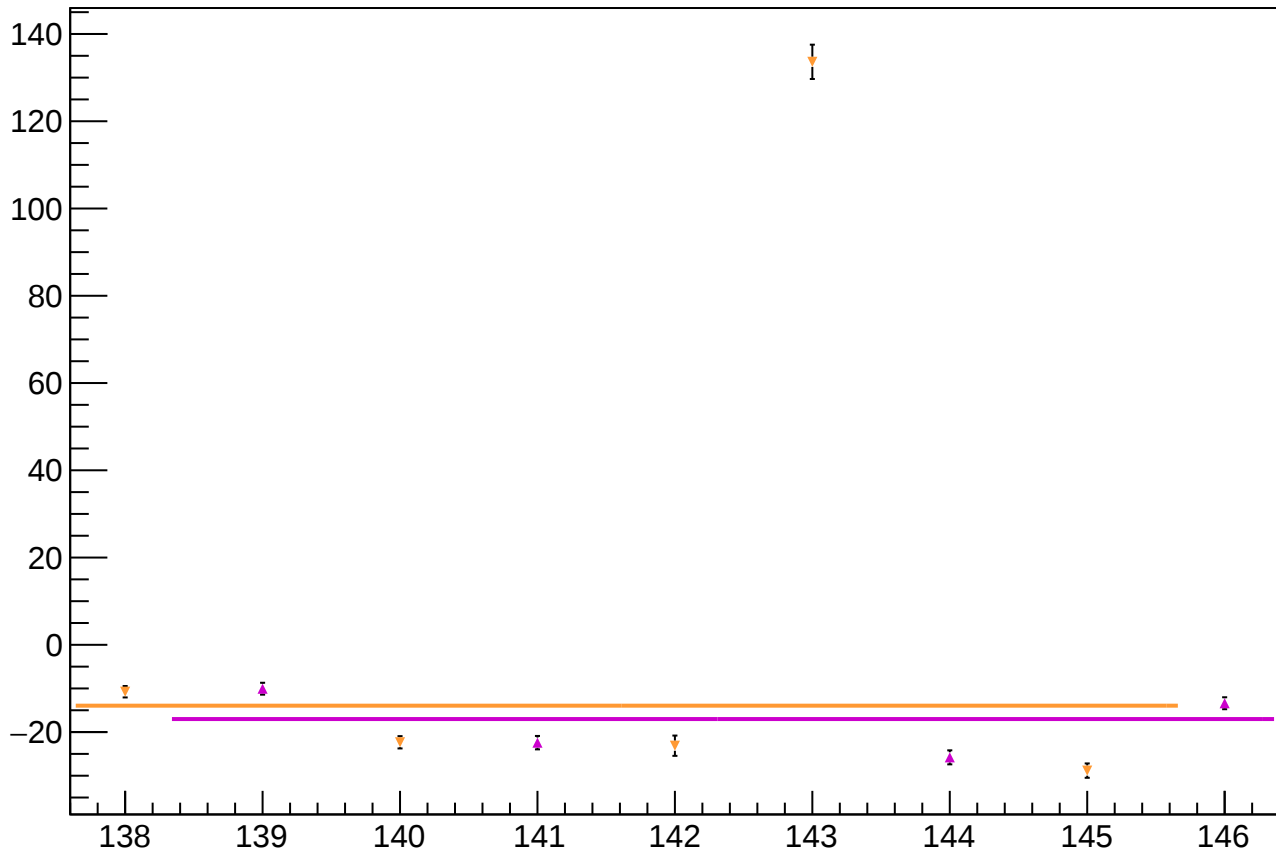
Right Out: -85.772+/-0.065 χ^2/NDF : 494629.5/19

Left In: -169.479+/-0.114 χ^2/NDF : 24870.0/3

-108.751+/-0.056 χ^2/NDF : 943822.3/21

-106.362+/-0.056 χ^2/NDF : 927157.3/23

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: -13.948+/-0.767 χ^2/NDF : 1546.2/4

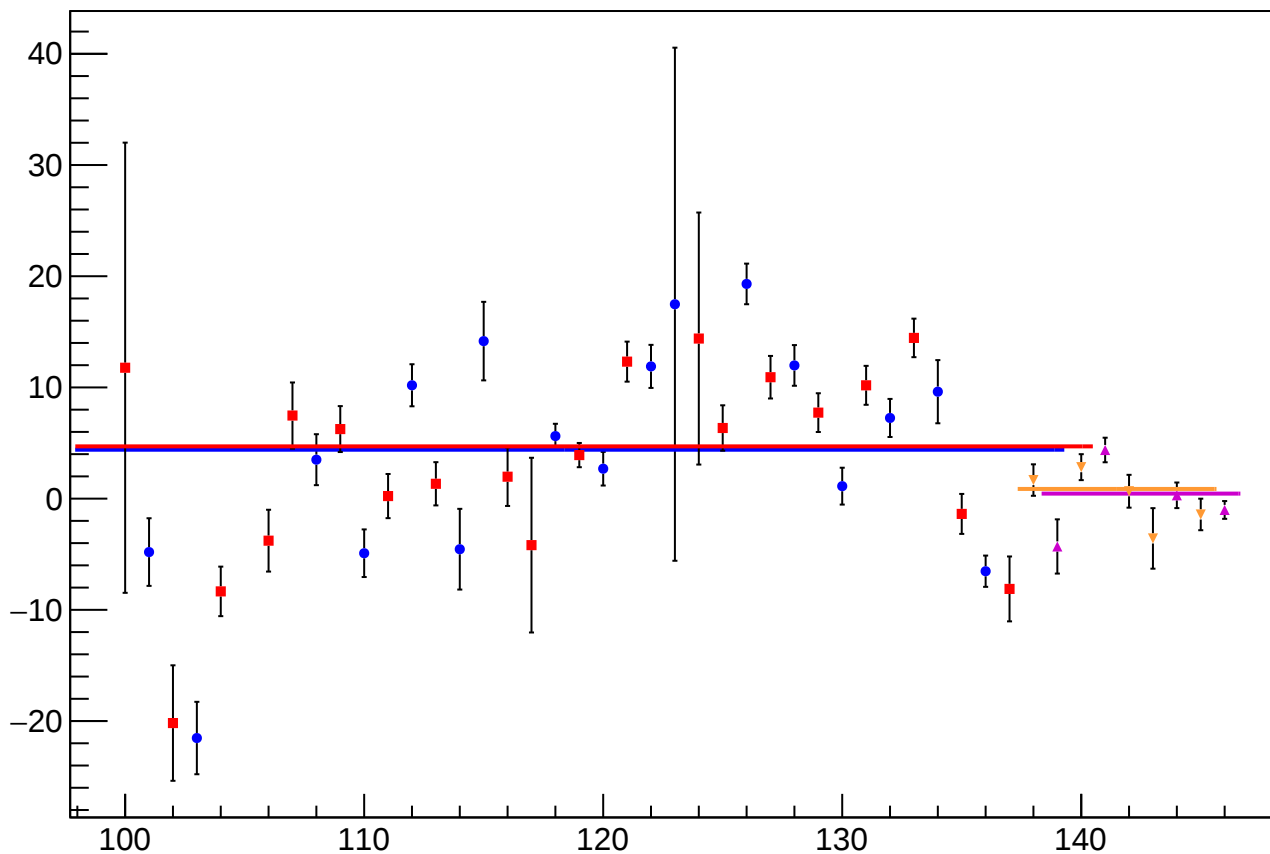
-13.948+/-0.767 χ^2/NDF : 1546.2/4

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

Left In: -17.013+/-0.729 χ^2/NDF : 75.2/3

-17.013+/-0.729 χ^2/NDF : 75.2/3

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: 0.872 ± 0.656 χ^2/NDF : 8.4/4

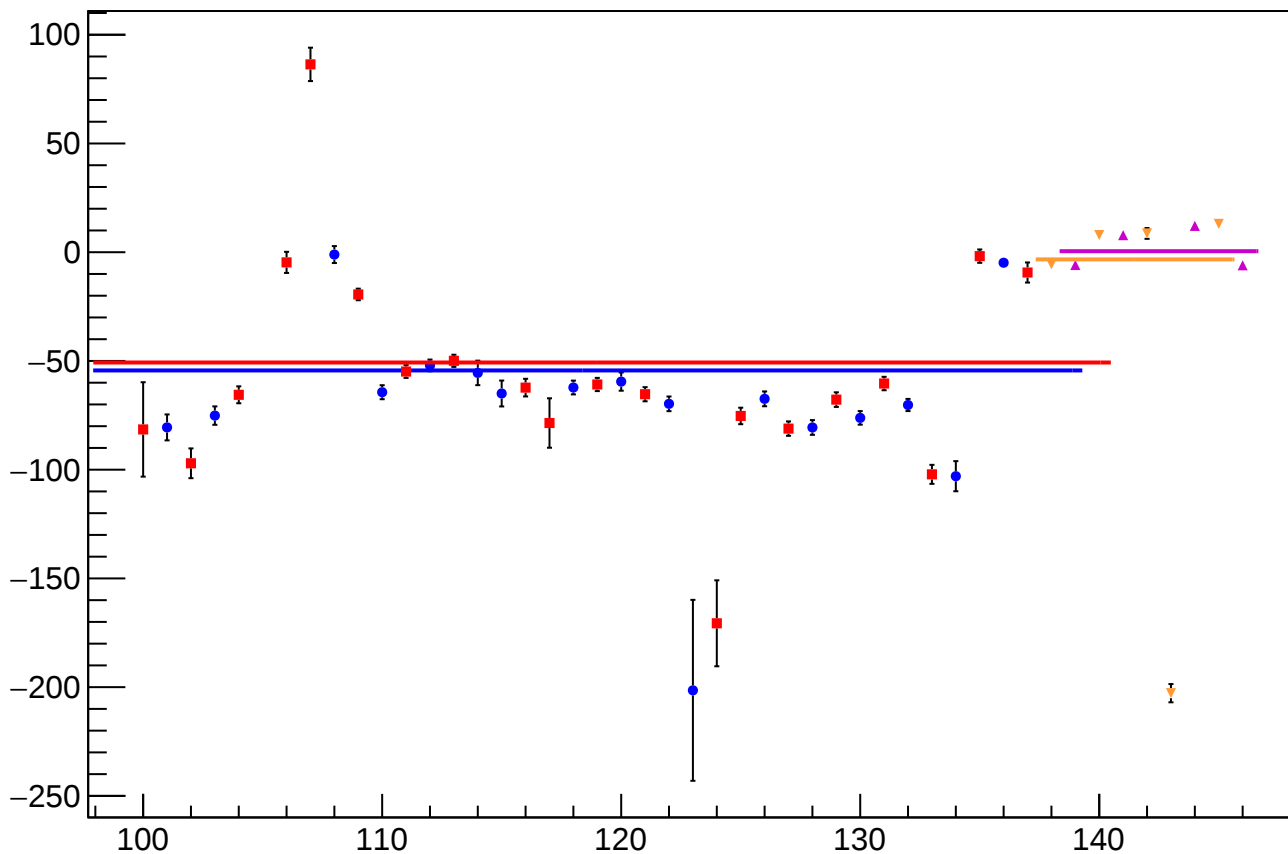
Right Out: 4.700 ± 0.472 χ^2/NDF : 184.2/19

Left In: 0.452 ± 0.550 χ^2/NDF : 19.8/3

3.199 ± 0.383 χ^2/NDF : 314.4/21

2.896 ± 0.358 χ^2/NDF : 238.3/23

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: -3.307 ± 0.818 χ^2/NDF : 2429.2/4

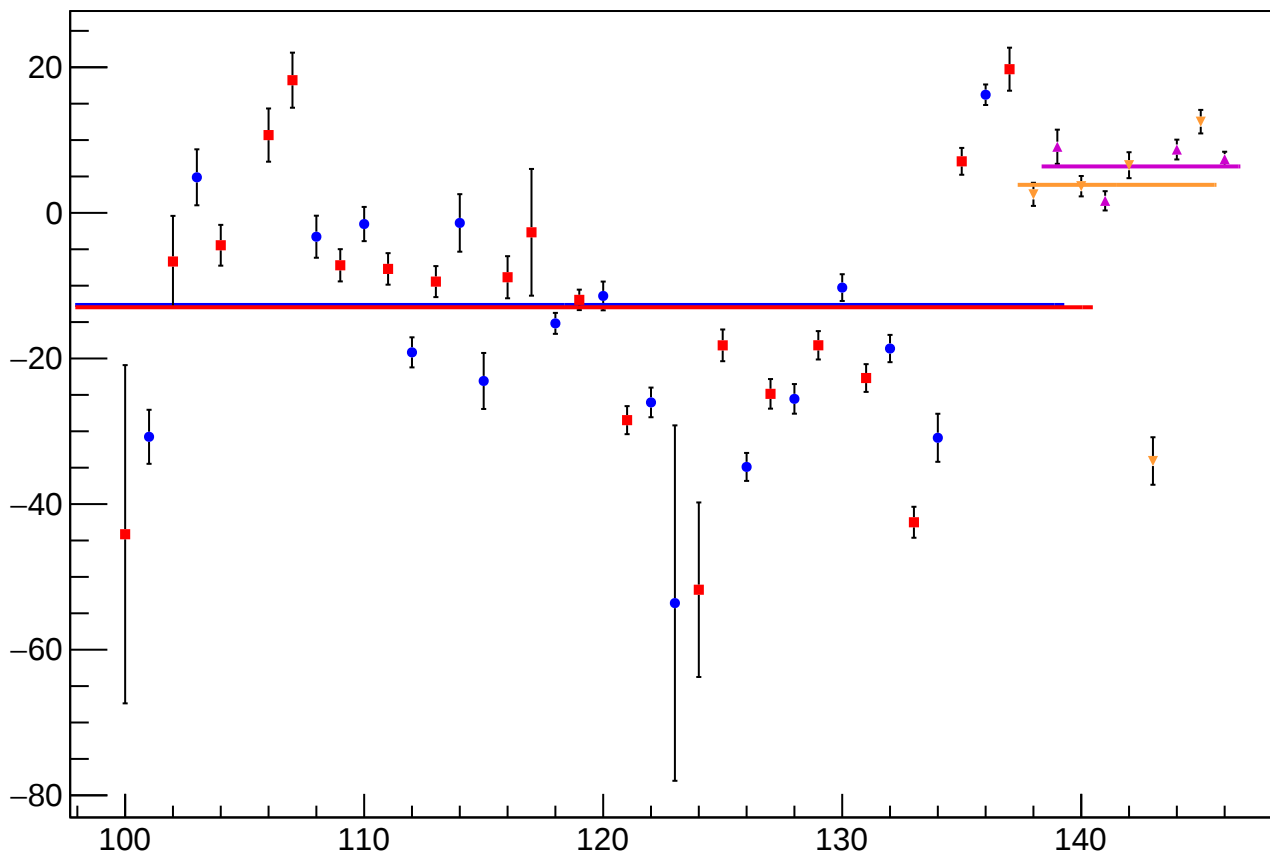
Right Out: -50.712 ± 0.855 χ^2/NDF : 1327.3/19

Left In: 0.471 ± 0.755 χ^2/NDF : 109.0/3

-27.324 ± 0.595 χ^2/NDF : 5274.2/21

-21.966 ± 0.566 χ^2/NDF : 3448.6/23

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 $\pm$ 0.536 χ^2 /NDF: 788.4/16

Left Out: 3.851 $\pm$ 0.767 χ^2 /NDF:166.9/4

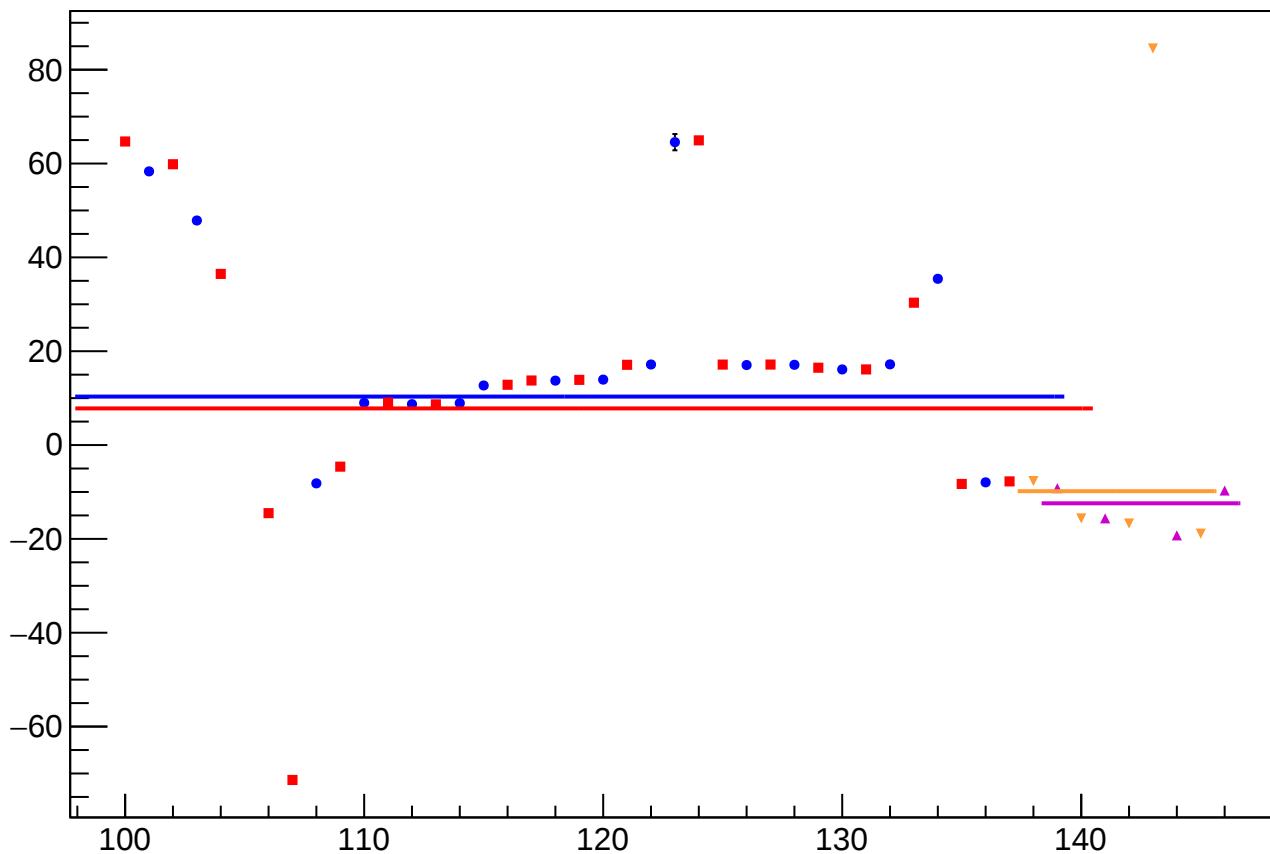
Right Out: -12.965 $\pm$ 0.536 χ^2 /NDF: 722.8/19

Left In: 6.378 $\pm$ 0.667 χ^2 /NDF:17.9/3

-7.234 $\pm$ 0.440 χ^2 /NDF: 1265.9/21

-5.372 $\pm$ 0.418 χ^2 /NDF: 1251.1/23

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: -9.832+/-0.033 χ^2/NDF : 346292.9/4

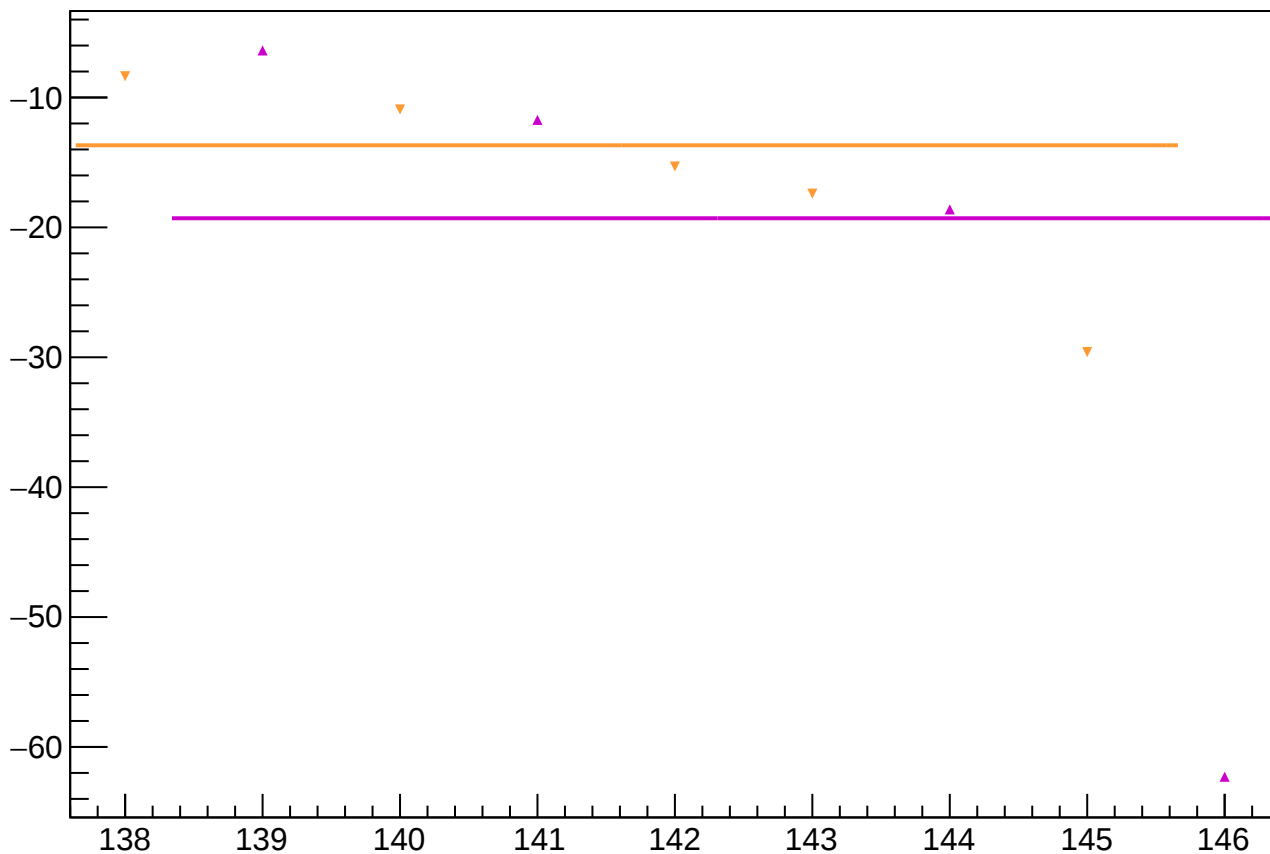
Right Out: 7.808+/-0.031 χ^2/NDF : 544249.7/19

Left In: -12.415+/-0.031 χ^2/NDF : 16537.9/3

0.989+/-0.022 χ^2/NDF : 927288.7/21

-2.448+/-0.022 χ^2/NDF : 773165.7/23

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

-13.680+/-0.120 χ^2/NDF : 3064.3/4

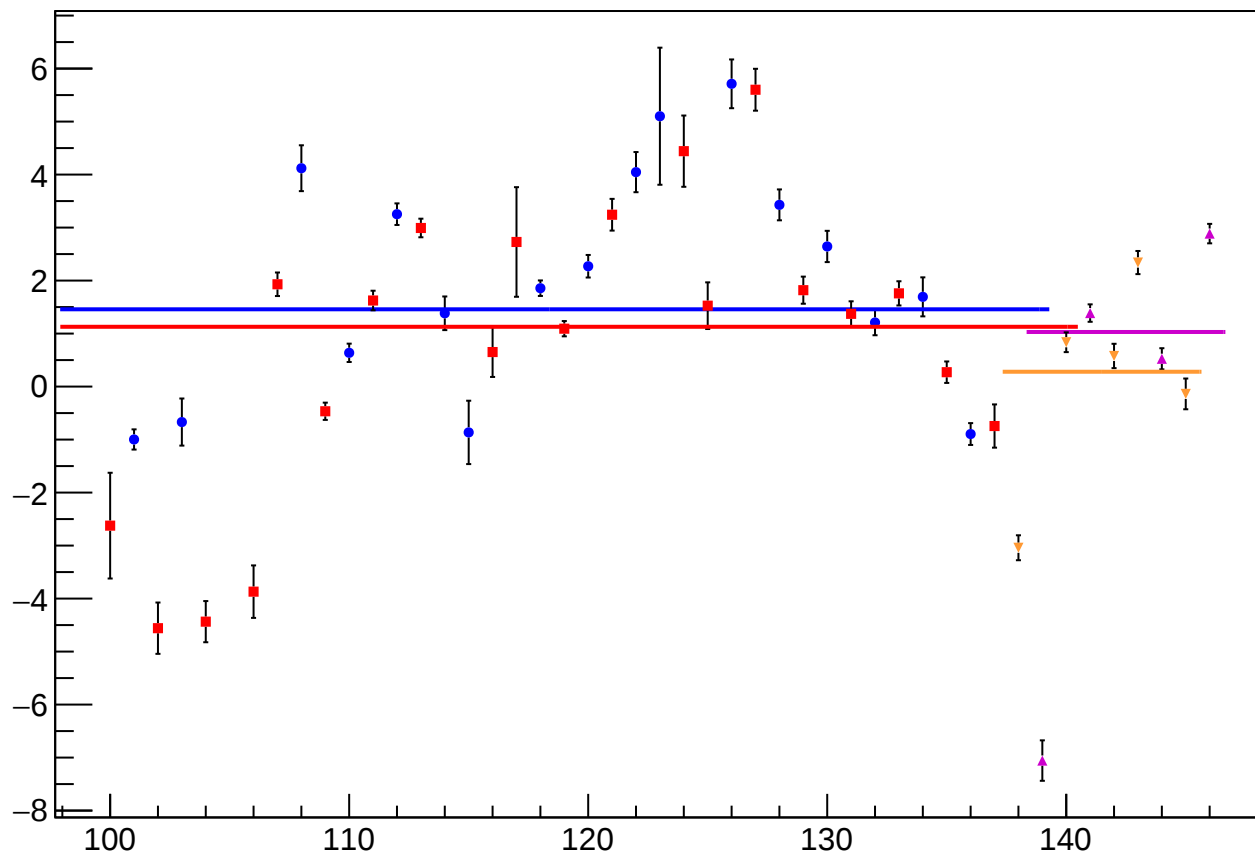
Left Out: -13.680+/-0.120 χ^2/NDF : 3064.3/4

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

-19.297+/-0.125 χ^2/NDF : 23537.8/3

Left In: -19.297+/-0.125 χ^2/NDF : 23537.8/3

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: 0.280 $\pm$ 0.101 χ^2/NDF : 300.7/4

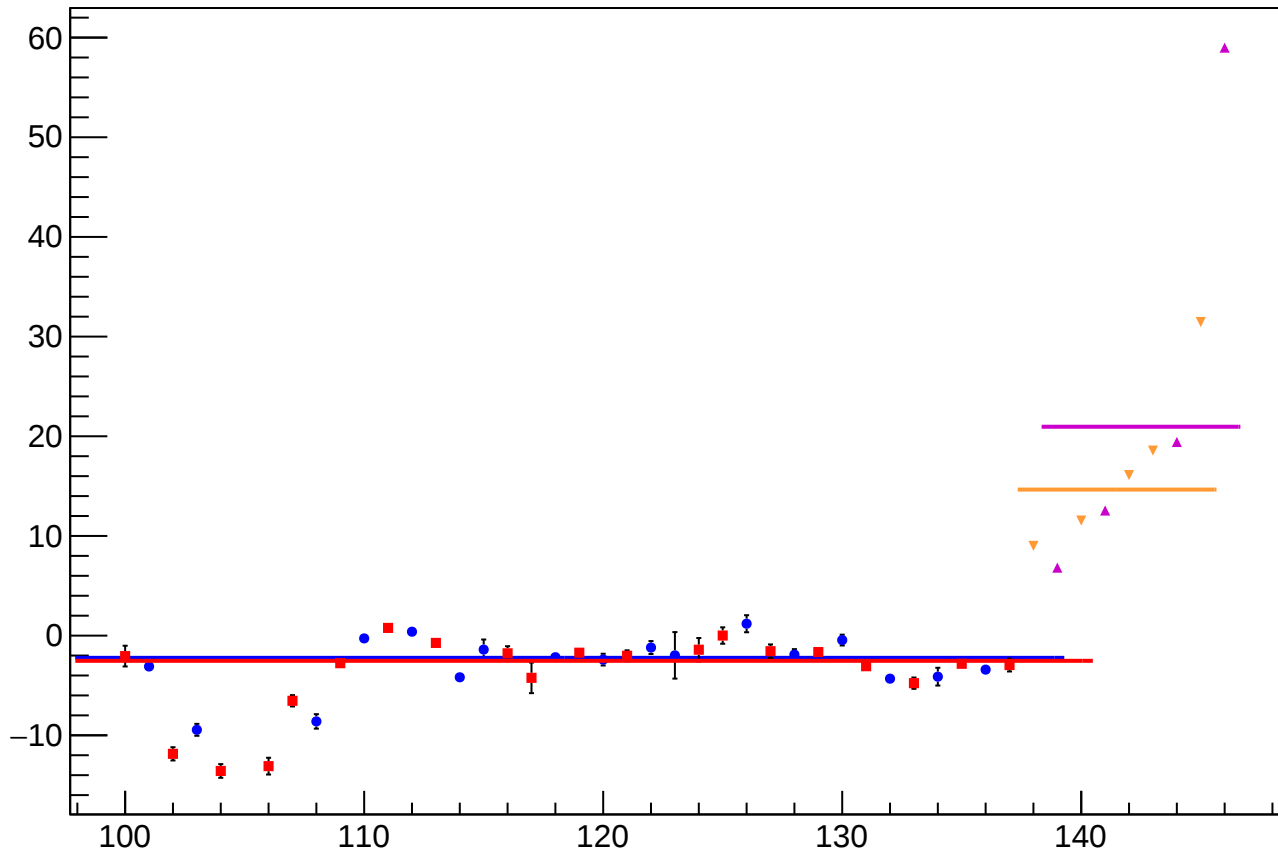
Right Out: 1.128 $\pm$ 0.058 χ^2/NDF : 949.8/19

Left In: 1.030 $\pm$ 0.101 χ^2/NDF : 562.7/3

1.135 $\pm$ 0.053 χ^2/NDF : 1098.3/21

1.104 $\pm$ 0.050 χ^2/NDF : 1513.2/23

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 14.651 ± 0.128 χ^2/NDF : 3039.2/4

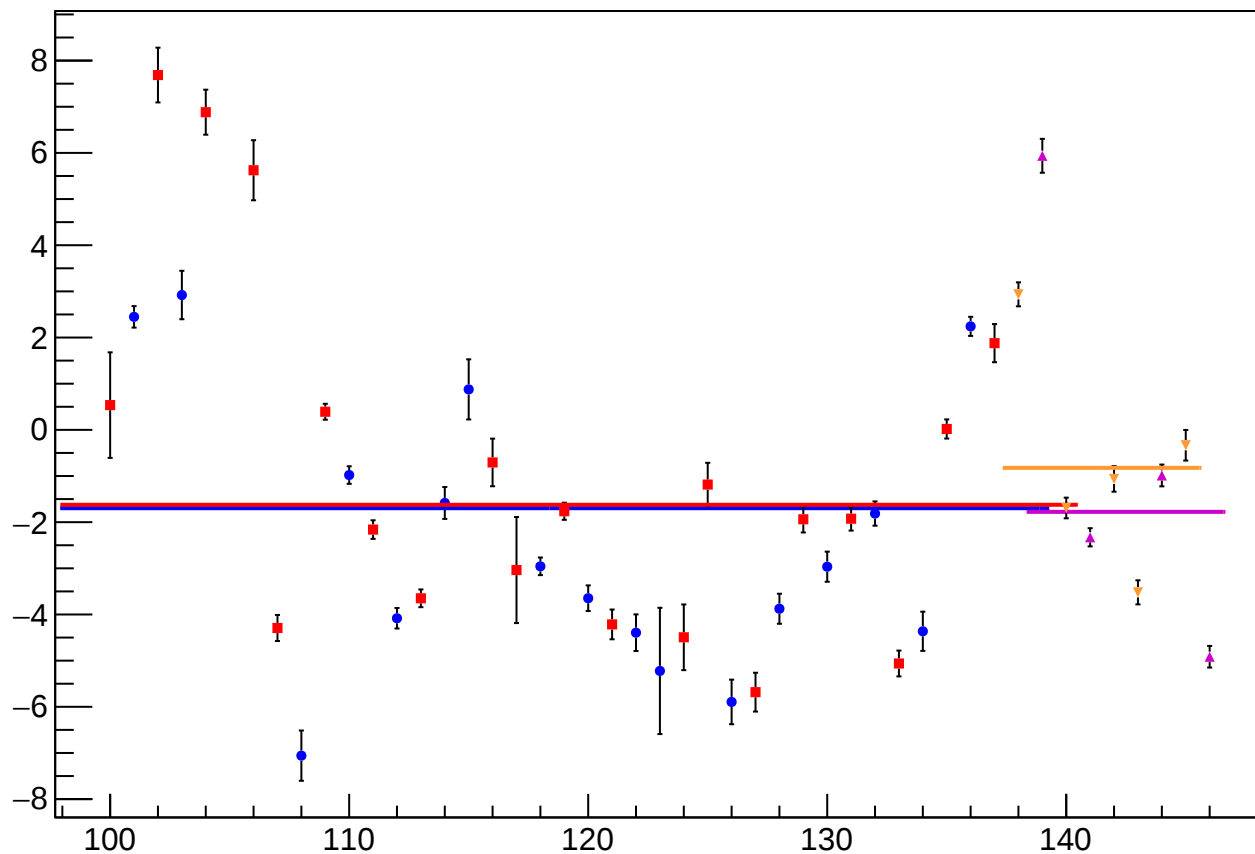
Right Out: -2.527 ± 0.099 χ^2/NDF : 905.2/19

Left In: 20.957 ± 0.131 χ^2/NDF : 21038.3/3

5.012 ± 0.084 χ^2/NDF : 13371.3/21

5.946 ± 0.079 χ^2/NDF : 42340.6/23

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697+/-0.071 χ^2/NDF : 1319.4/16

Left Out: -0.823+/-0.118 χ^2/NDF : 334.4/4

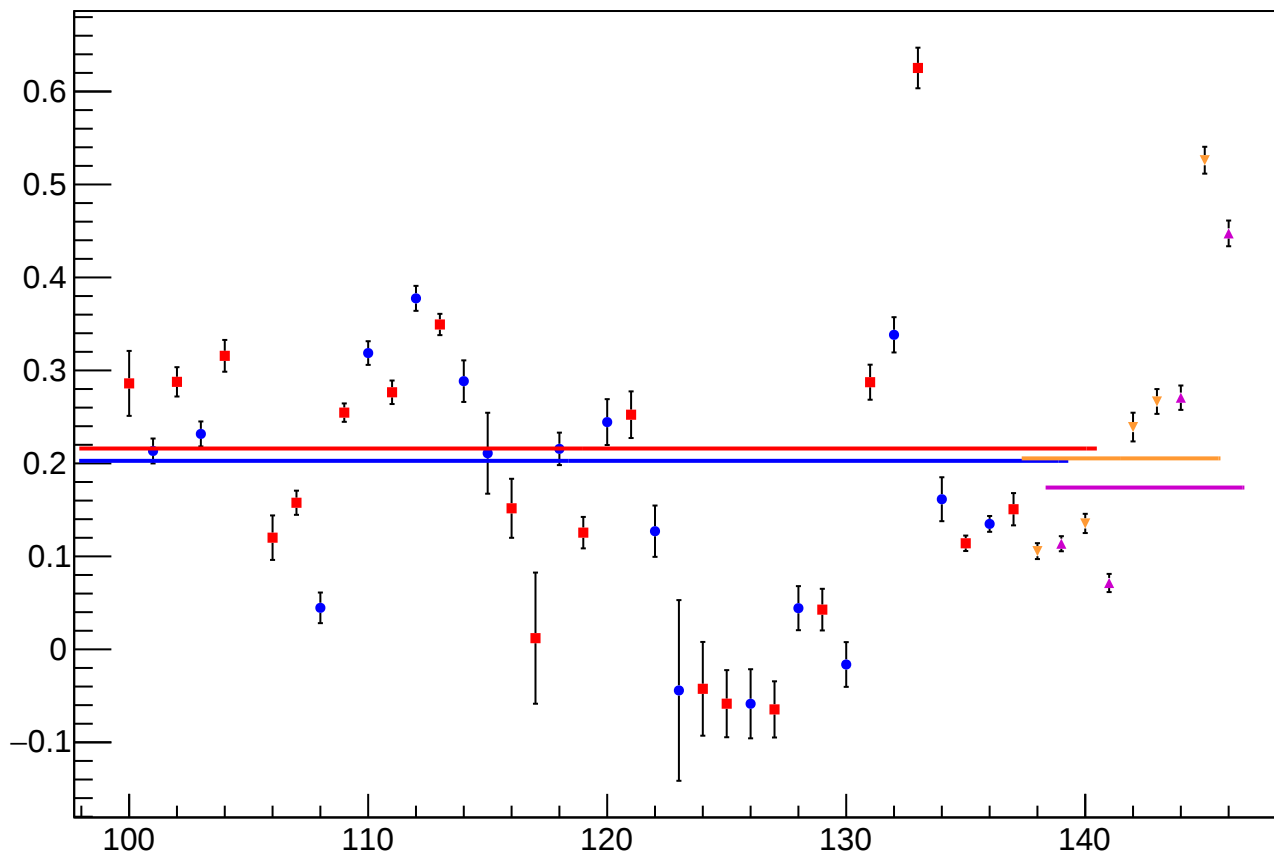
Right Out: -1.623+/-0.066 χ^2/NDF : 1490.8/19

Left In: -1.776+/-0.120 χ^2/NDF : 639.6/3

-1.465+/-0.061 χ^2/NDF : 1694.0/21

-1.658+/-0.058 χ^2/NDF : 2131.6/23

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.205 ± 0.005 χ^2/NDF : 700.5/4

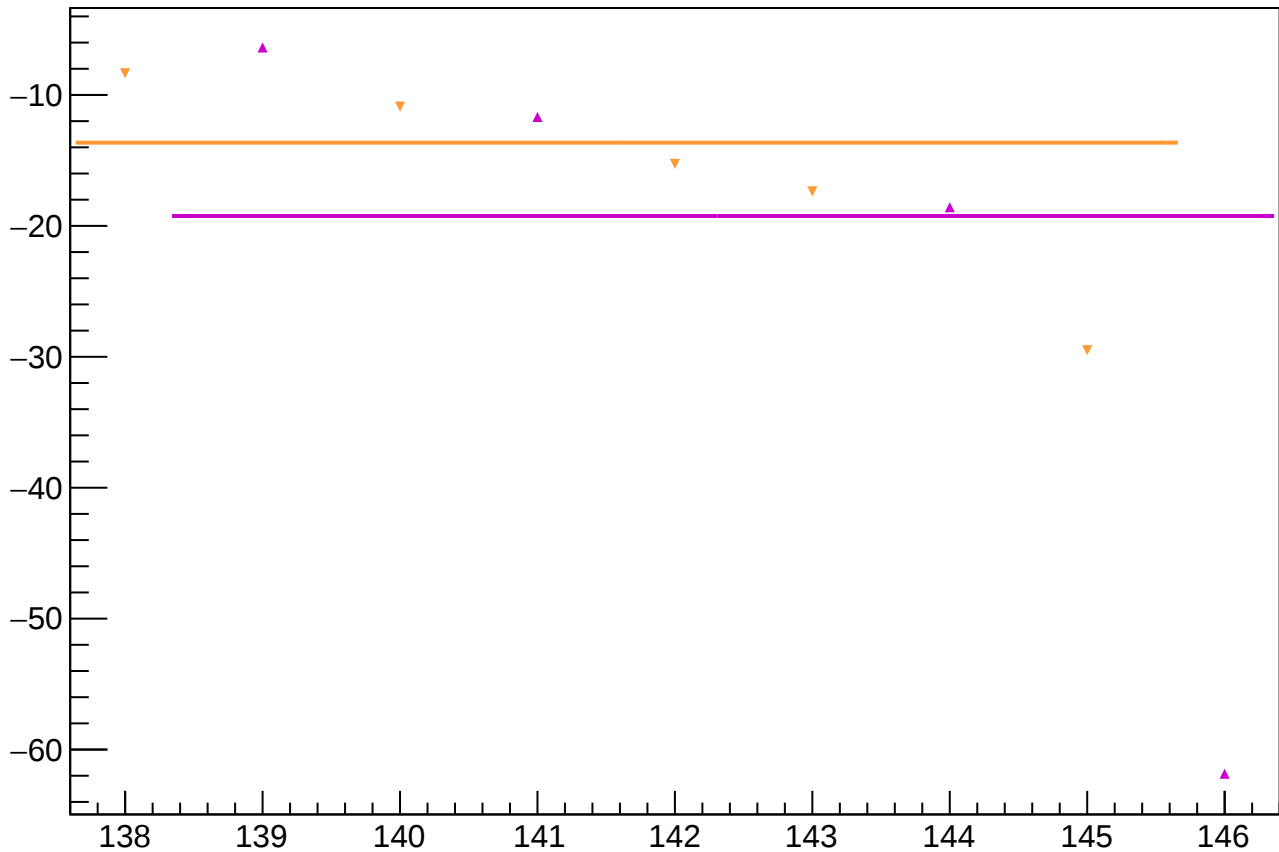
Right Out: 0.216 ± 0.004 χ^2/NDF : 1072.8/19

Left In: 0.174 ± 0.005 χ^2/NDF : 611.0/3

0.204 ± 0.003 χ^2/NDF : 1377.2/21

0.202 ± 0.003 χ^2/NDF : 1727.0/23

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -13.641+/-0.119 χ^2/NDF : 3071.3/4

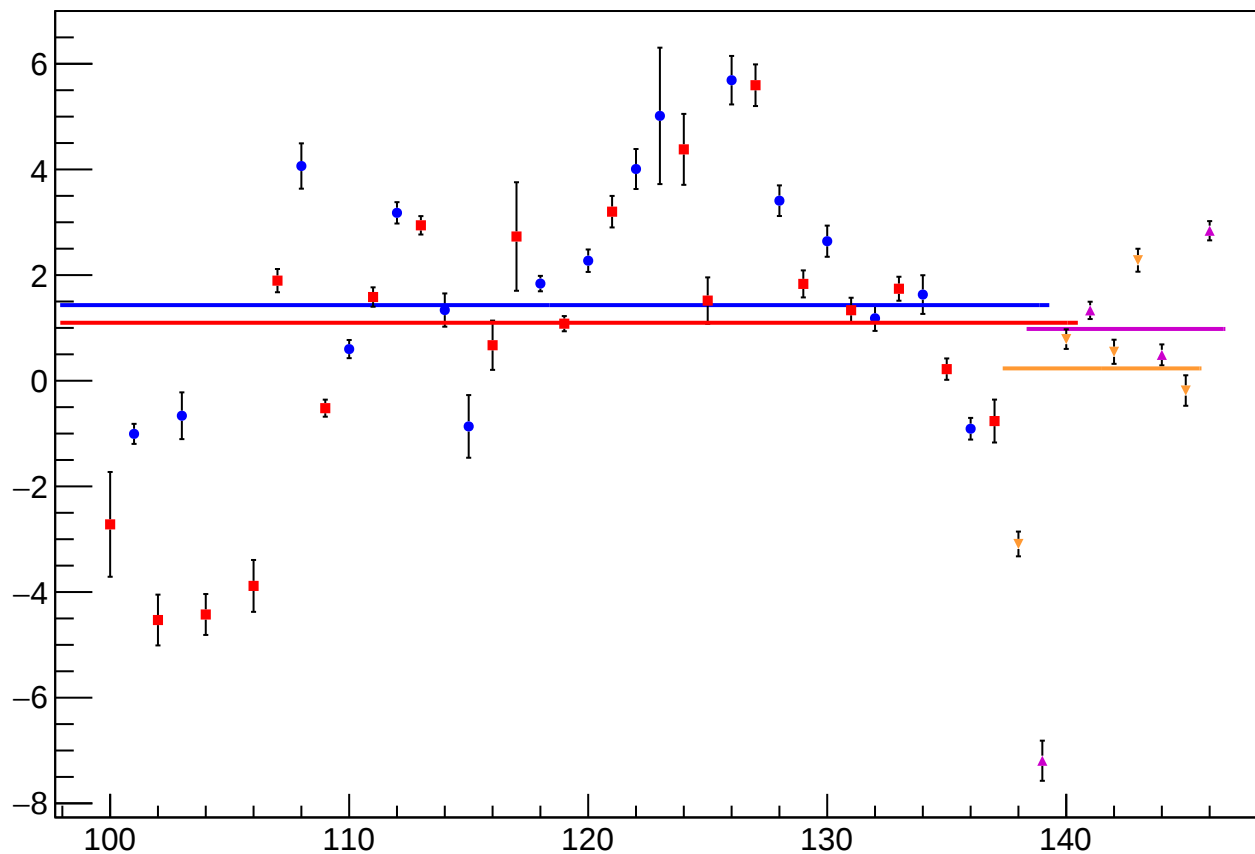
-13.641+/-0.119 χ^2/NDF : 3071.3/4

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

-19.245+/-0.124 χ^2/NDF : 23484.5/3

Left In: -19.245+/-0.124 χ^2/NDF : 23484.5/3

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 0.233 ± 0.100 χ^2/NDF : 302.8/4

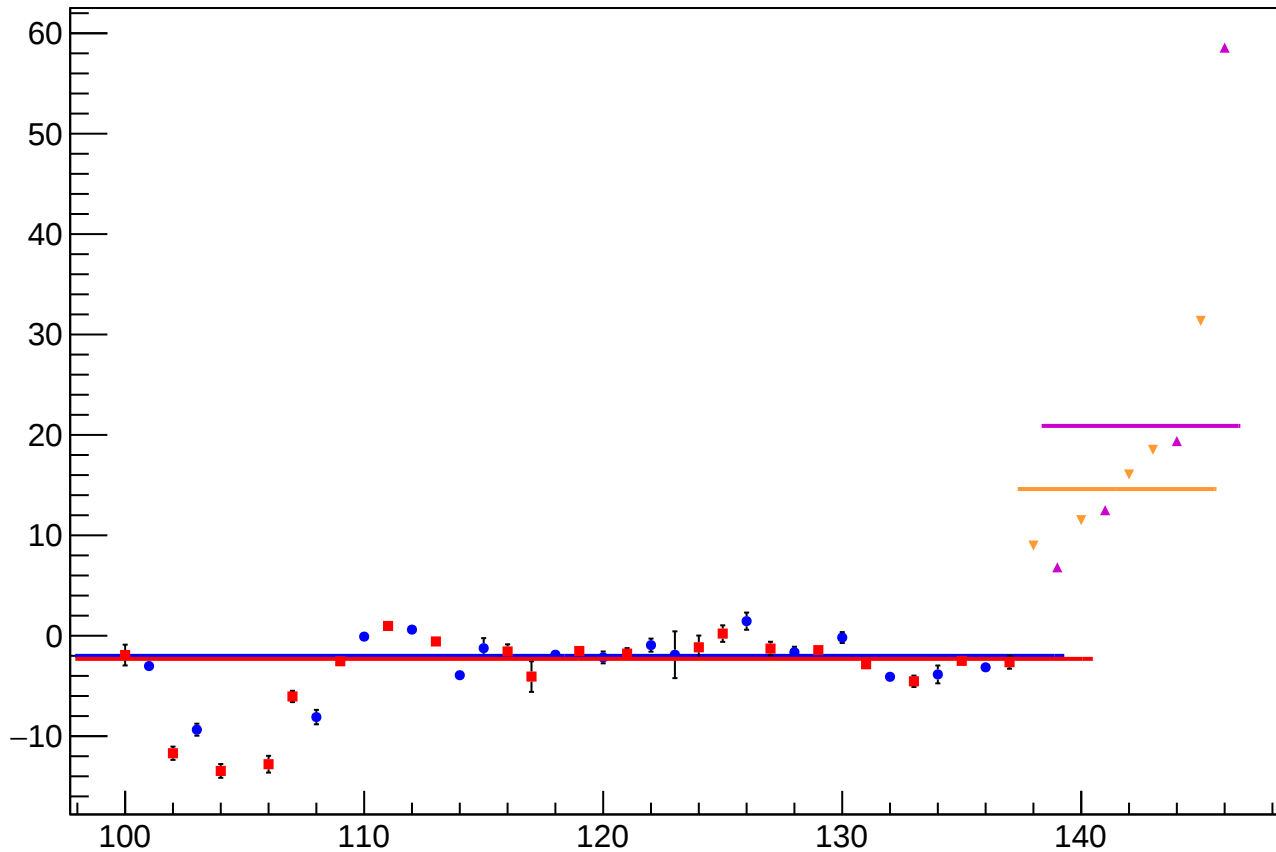
Right Out: 1.098 ± 0.058 χ^2/NDF : 955.7/19

Left In: 0.980 ± 0.100 χ^2/NDF : 577.9/3

1.103 ± 0.053 χ^2/NDF : 1103.1/21

1.068 ± 0.050 χ^2/NDF : 1534.6/23

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 14.611 ± 0.128 χ^2/NDF : 3046.5/4

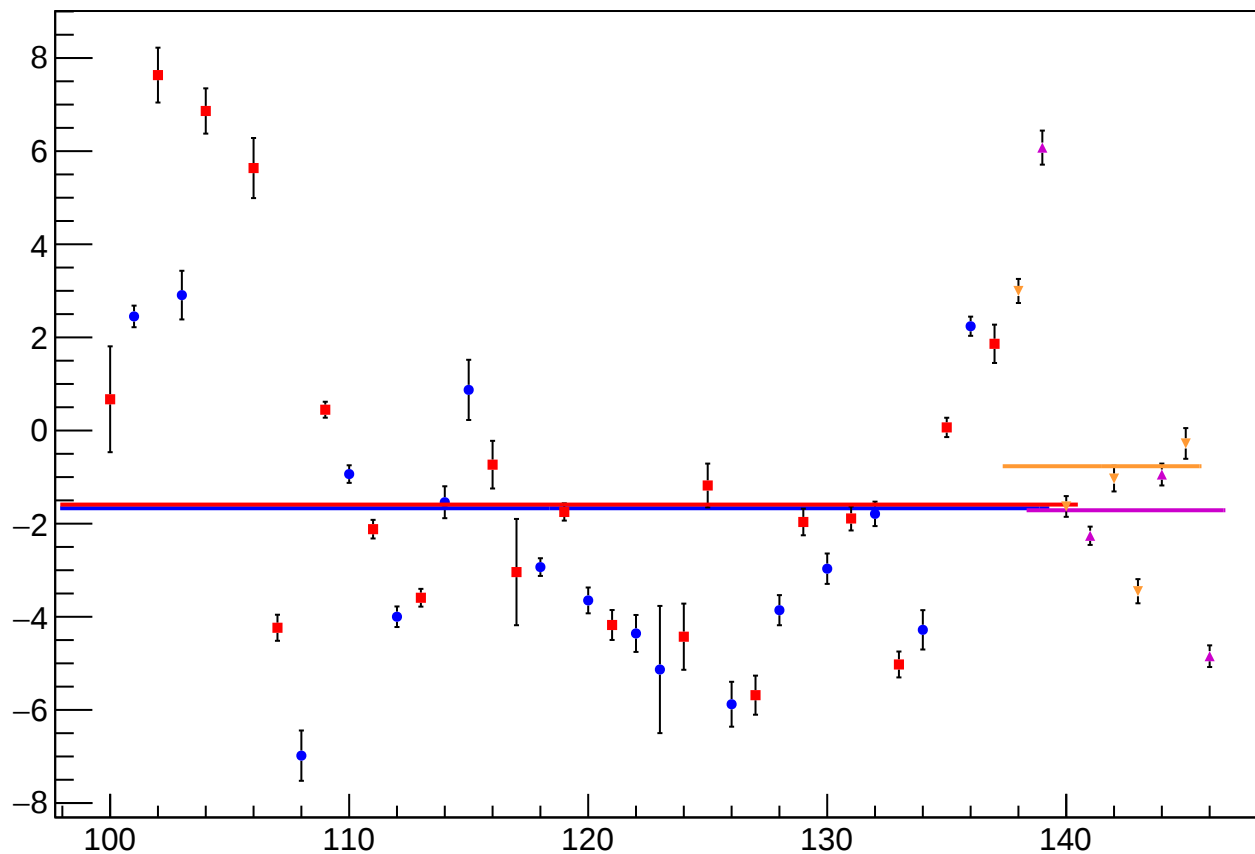
Right Out: -2.302 ± 0.098 χ^2/NDF : 908.6/19

Left In: 20.897 ± 0.131 χ^2/NDF : 20980.1/3

5.119 ± 0.084 χ^2/NDF : 13165.5/21

6.065 ± 0.079 χ^2/NDF : 41997.0/23

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 $\chi^2/\text{NDF}: 1314.9/16$

Left Out: -0.767 ± 0.118 $\chi^2/\text{NDF}: 336.9/4$

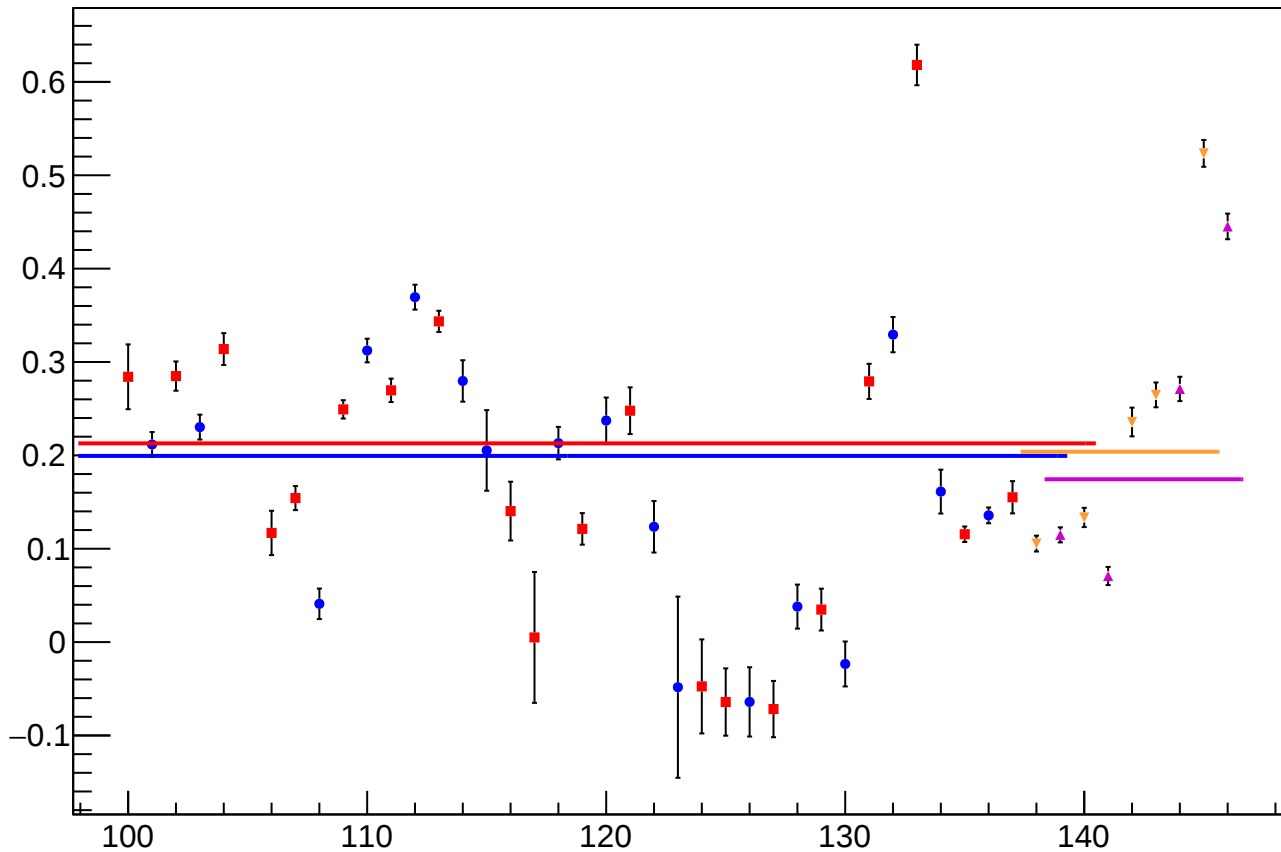
Right Out: -1.590 ± 0.065 $\chi^2/\text{NDF}: 1496.3/19$

Left In: -1.712 ± 0.120 $\chi^2/\text{NDF}: 653.7/3$

-1.429 ± 0.061 $\chi^2/\text{NDF}: 1695.1/21$

-1.618 ± 0.057 $\chi^2/\text{NDF}: 2150.8/23$

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: 0.204 $\pm$ 0.005 χ^2 /NDF: 699.6/4

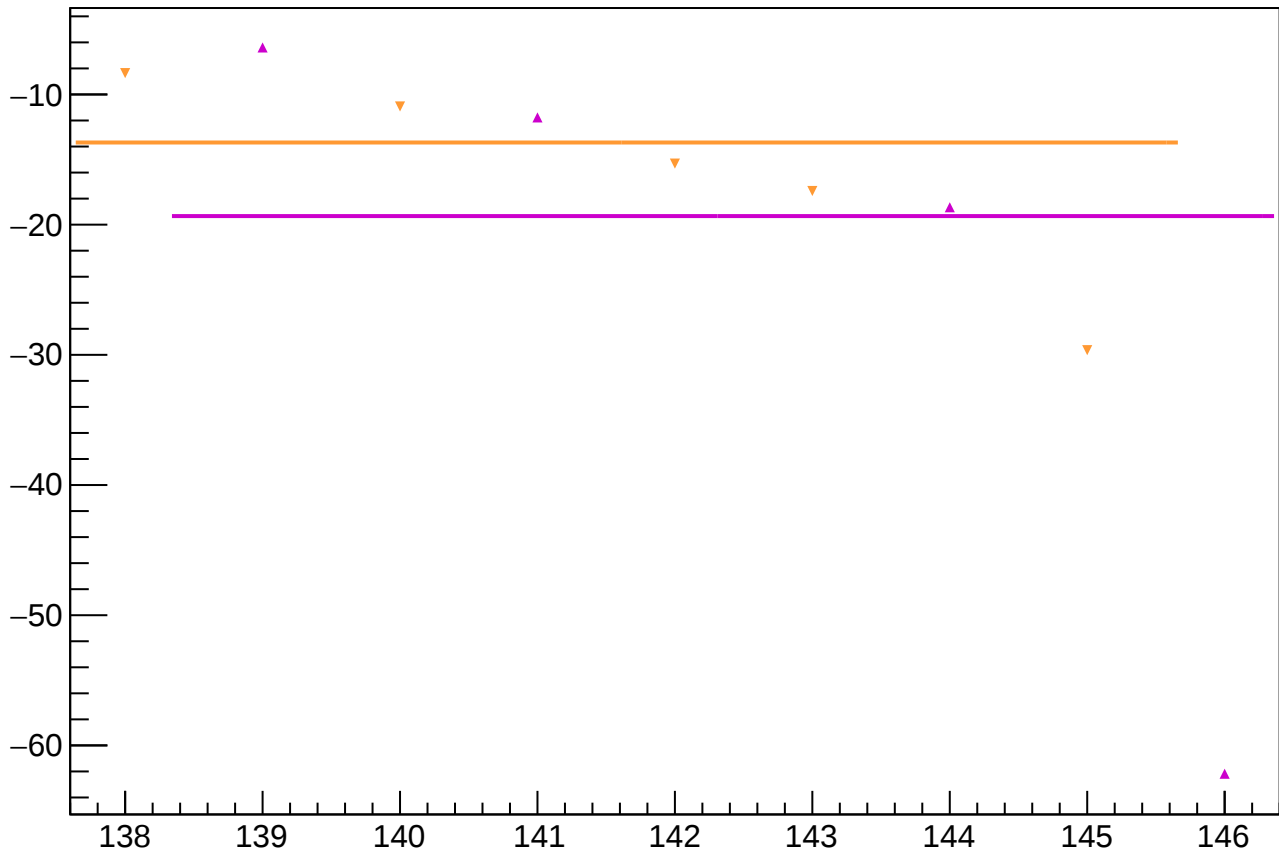
Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1057.0/19

Left In: 0.174 $\pm$ 0.005 χ^2 /NDF: 612.1/3

0.201 $\pm$ 0.003 χ^2 /NDF: 1362.1/21

0.200 $\pm$ 0.003 χ^2 /NDF: 1705.7/23

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -13.690+/-0.120 χ^2/NDF : 3077.3/4

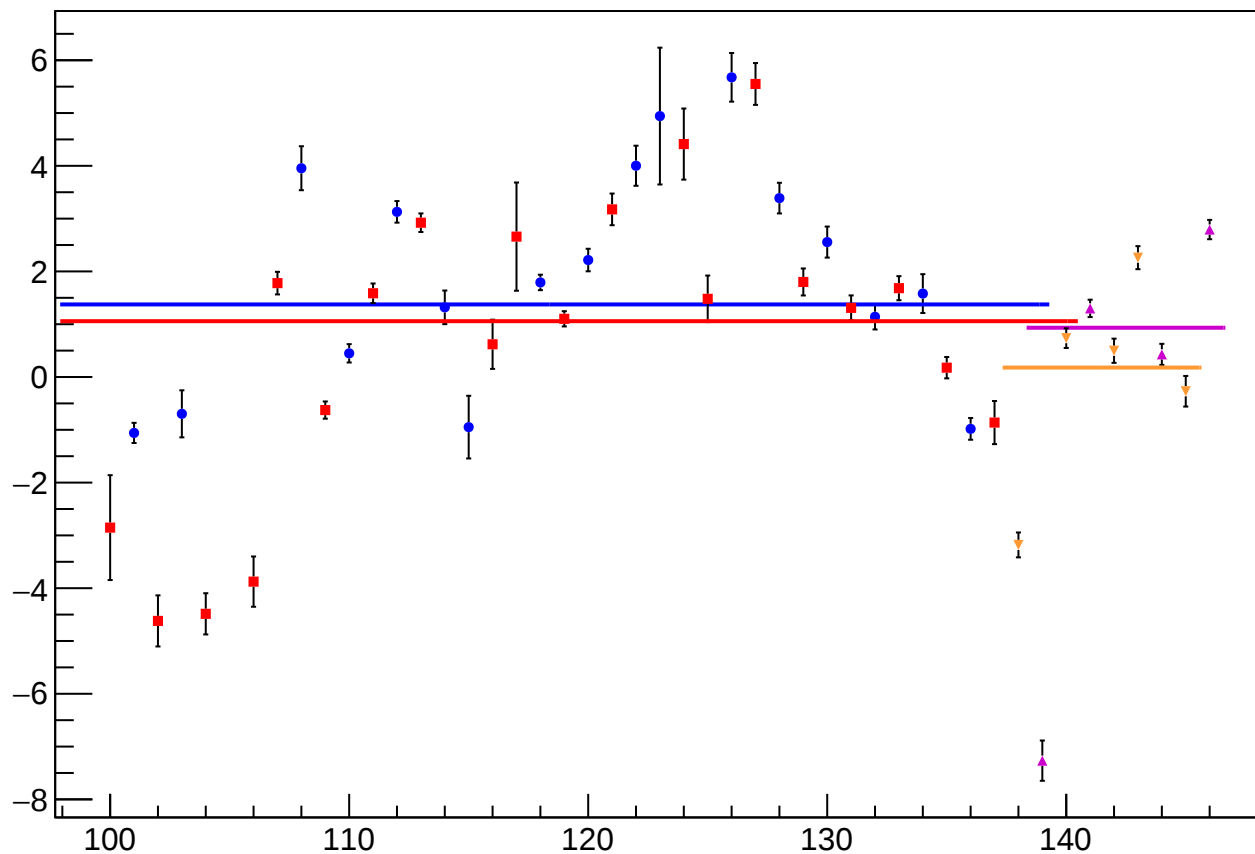
-13.690+/-0.120 χ^2/NDF : 3077.3/4

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

-19.342+/-0.125 χ^2/NDF : 23524.9/3

Left In: -19.342+/-0.125 χ^2/NDF : 23524.9/3

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: 0.179 $\pm$ 0.101 χ^2 /NDF:307.8/4

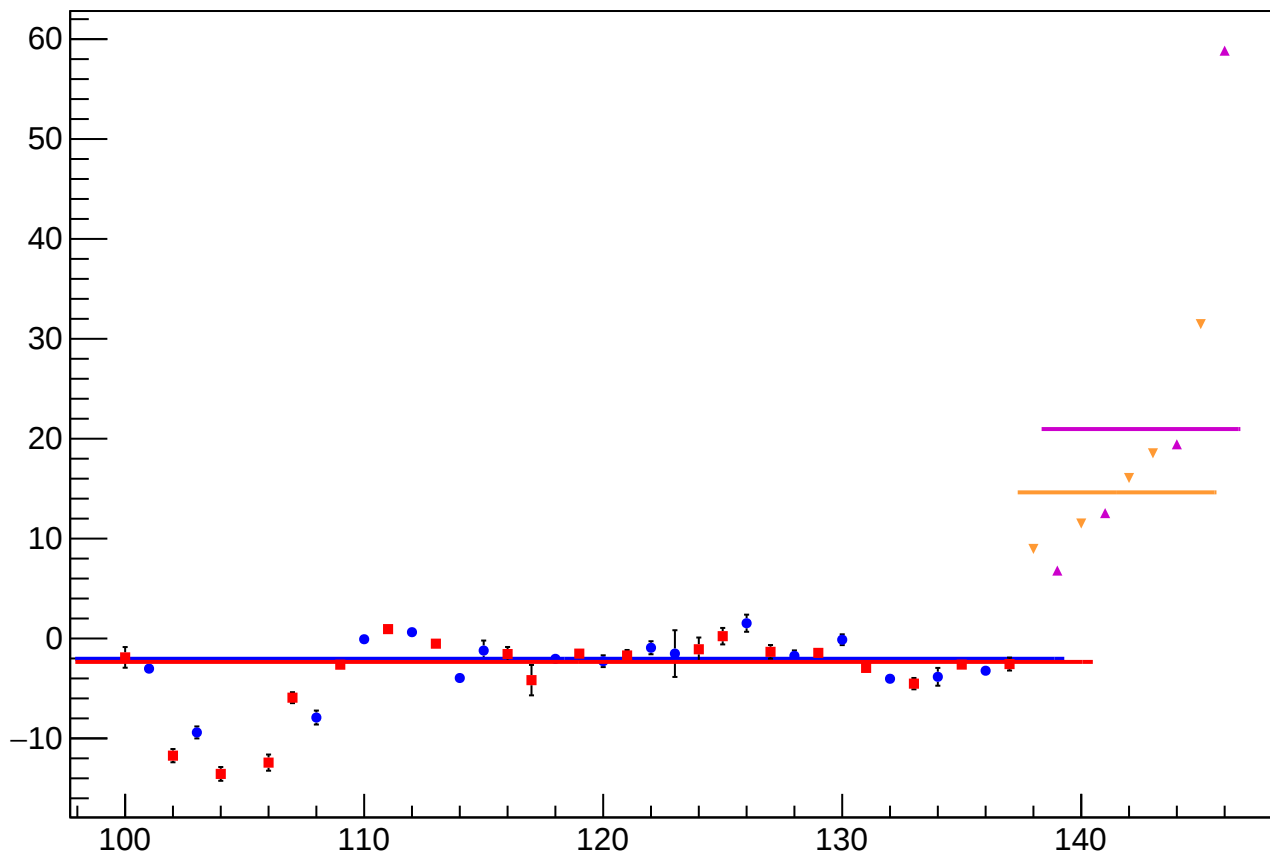
Right Out: 1.058 $\pm$ 0.058 χ^2 /NDF: 966.5/19

Left In: 0.933 $\pm$ 0.101 χ^2 /NDF:576.6/3

1.046 $\pm$ 0.053 χ^2 /NDF: 1112.6/21

1.027 $\pm$ 0.050 χ^2 /NDF: 1544.2/23

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 14.628 ± 0.128 χ^2/NDF : 3050.4/4

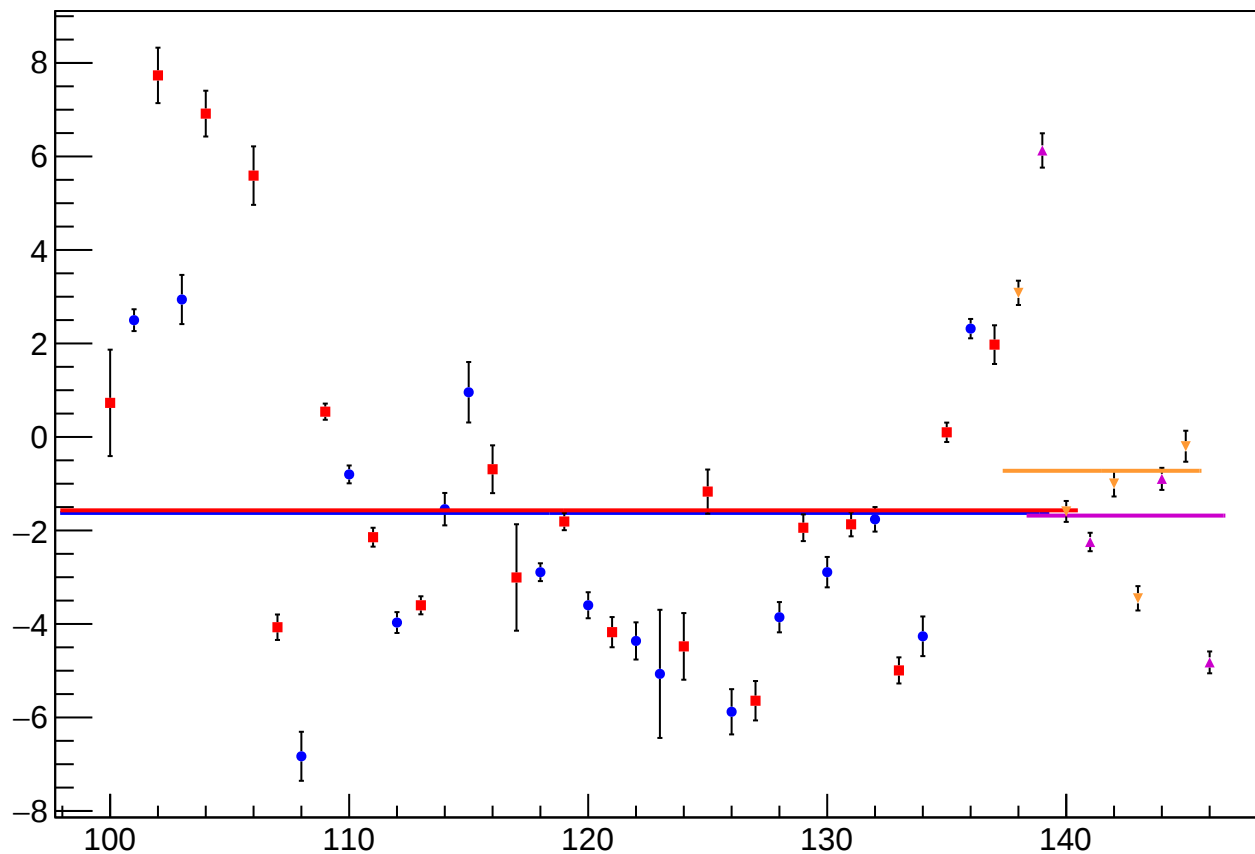
Right Out: -2.344 ± 0.099 χ^2/NDF : 903.4/19

Left In: 20.966 ± 0.131 χ^2/NDF : 21020.0/3

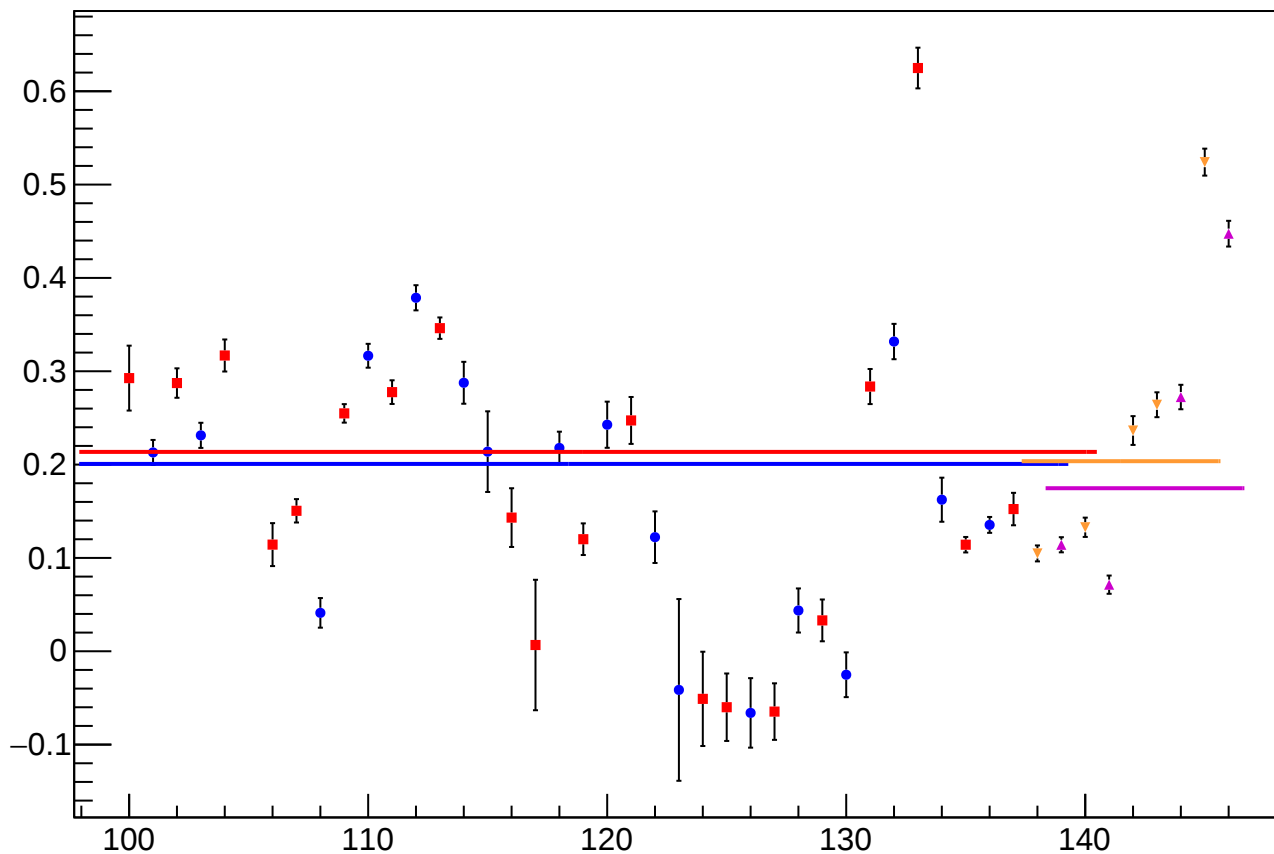
5.117 ± 0.084 χ^2/NDF : 13125.9/21

6.070 ± 0.079 χ^2/NDF : 42042.2/23

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.204 ± 0.005 χ^2/NDF : 697.5/4

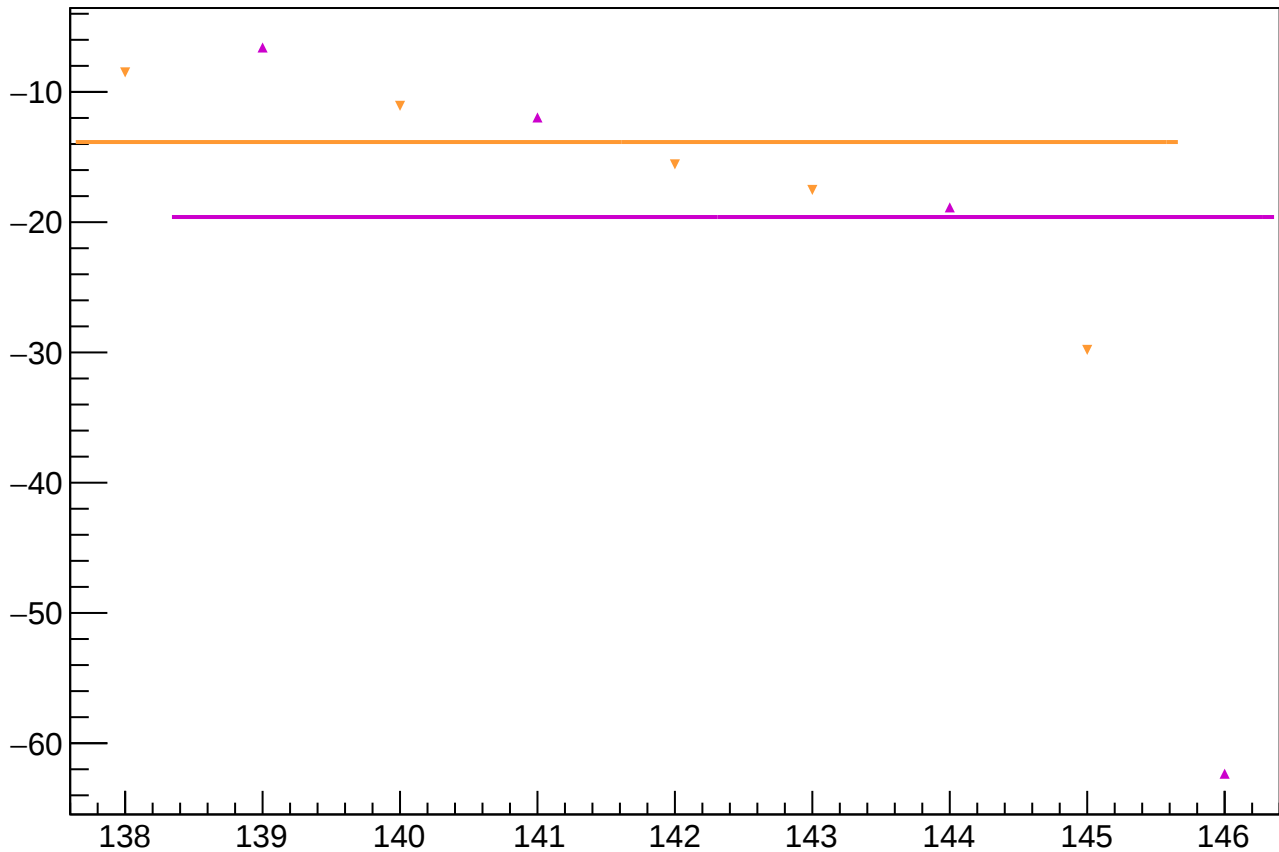
Right Out: 0.214 ± 0.004 χ^2/NDF : 1089.2/19

Left In: 0.175 ± 0.005 χ^2/NDF : 614.4/3

0.202 ± 0.003 χ^2/NDF : 1388.3/21

0.201 ± 0.003 χ^2/NDF : 1740.7/23

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -13.848+/-0.121 χ^2/NDF : 3036.6/4

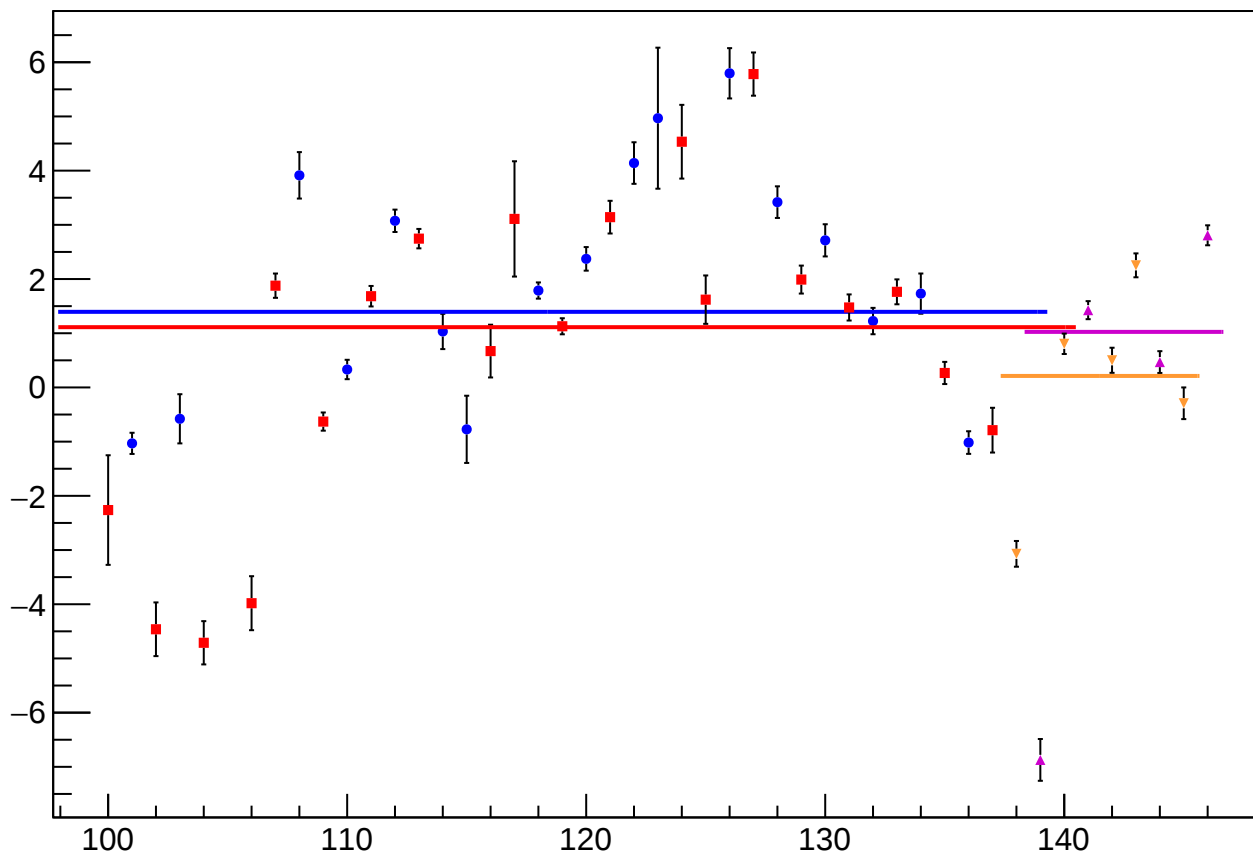
-13.848+/-0.121 χ^2/NDF : 3036.6/4

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

Left In: -19.603+/-0.126 χ^2/NDF : 23166.1/3

-19.603+/-0.126 χ^2/NDF : 23166.1/3

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 ± 0.063 $\chi^2/\text{NDF}: 701.4/16$

Left Out: 0.212 ± 0.102 $\chi^2/\text{NDF}: 291.2/4$

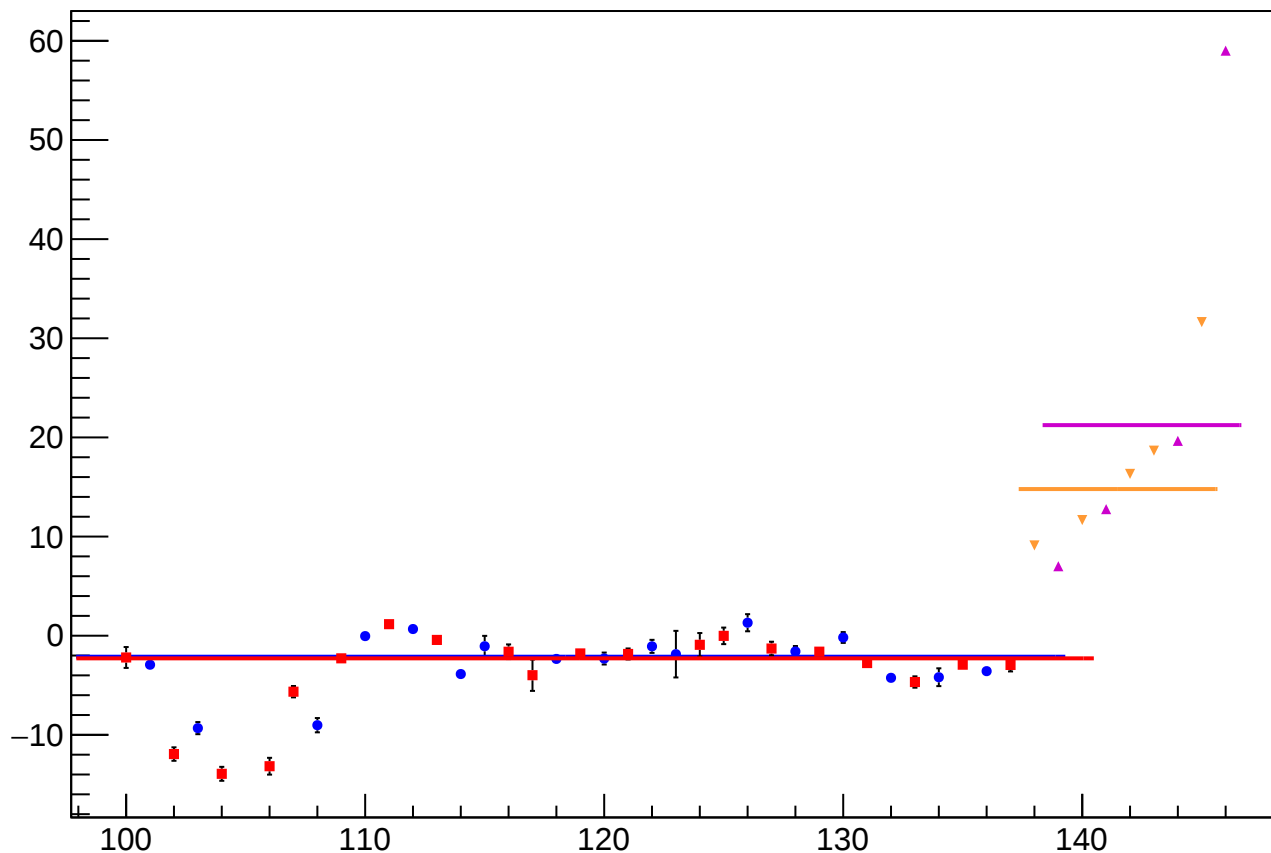
Right Out: 1.112 ± 0.059 $\chi^2/\text{NDF}: 940.5/19$

Left In: 1.025 ± 0.102 $\chi^2/\text{NDF}: 526.5/3$

1.066 ± 0.054 $\chi^2/\text{NDF}: 1090.5/21$

1.090 ± 0.051 $\chi^2/\text{NDF}: 1467.5/23$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 14.792 ± 0.130 χ^2/NDF : 3010.3/4

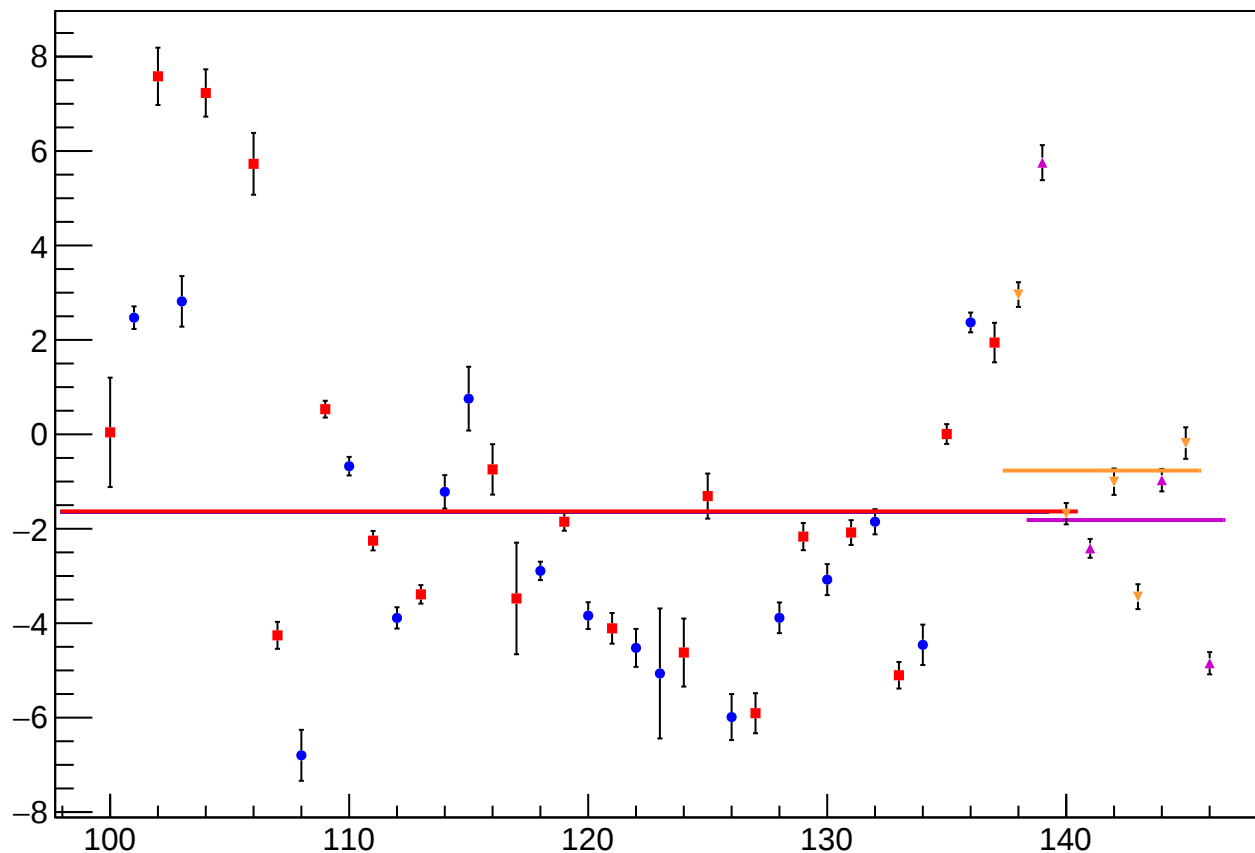
Right Out: -2.284 ± 0.101 χ^2/NDF : 920.6/19

Left In: 21.240 ± 0.133 χ^2/NDF : 20678.6/3

5.209 ± 0.085 χ^2/NDF : 13149.9/21

6.328 ± 0.080 χ^2/NDF : 41526.2/23

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 $\chi^2/\text{NDF}: 1310.1/16$

Left Out: -0.767 ± 0.119 $\chi^2/\text{NDF}: 325.3/4$

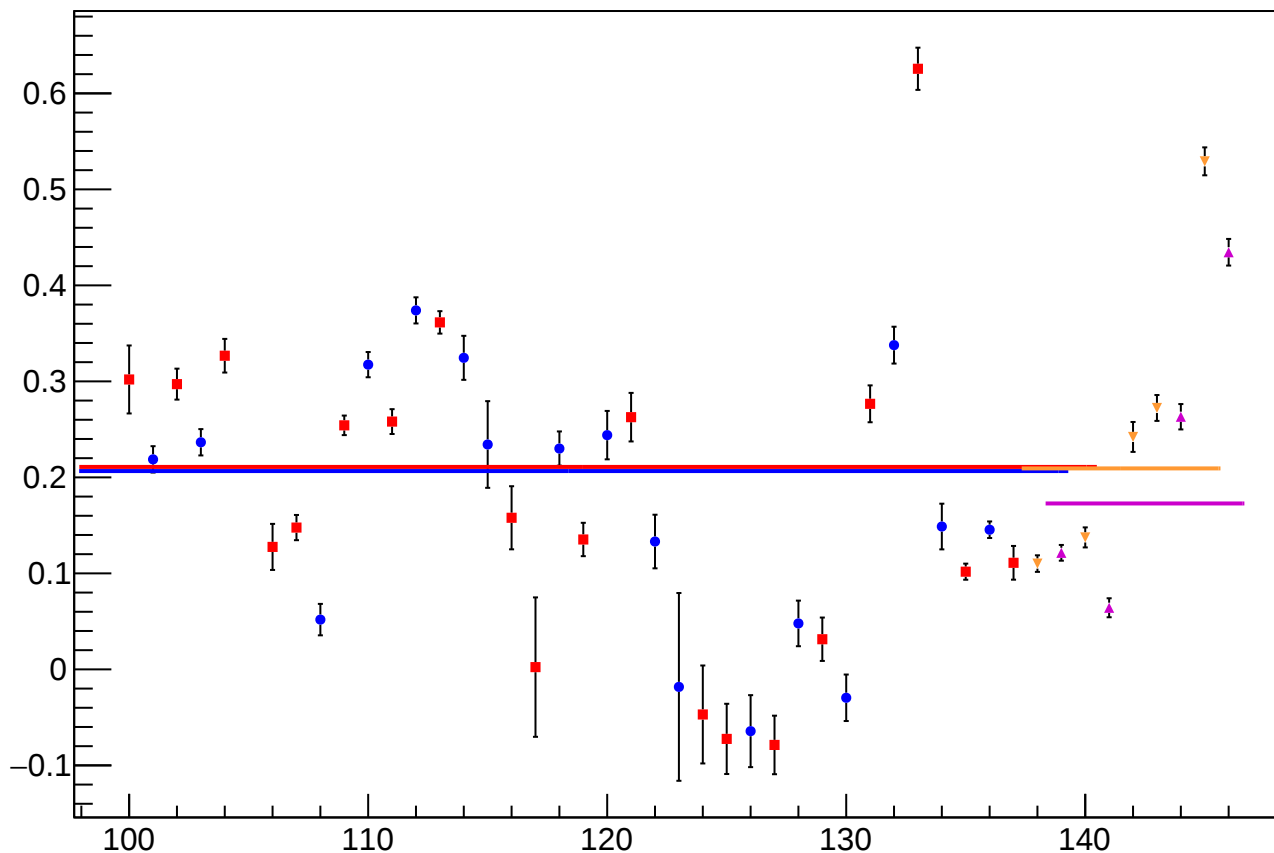
Right Out: -1.633 ± 0.067 $\chi^2/\text{NDF}: 1470.6/19$

Left In: -1.815 ± 0.121 $\chi^2/\text{NDF}: 603.8/3$

-1.407 ± 0.062 $\chi^2/\text{NDF}: 1674.8/21$

-1.676 ± 0.059 $\chi^2/\text{NDF}: 2076.1/23$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.004 χ^2 /NDF: 655.0/16

Left Out: 0.209 $\pm$ 0.005 χ^2 /NDF: 689.4/4

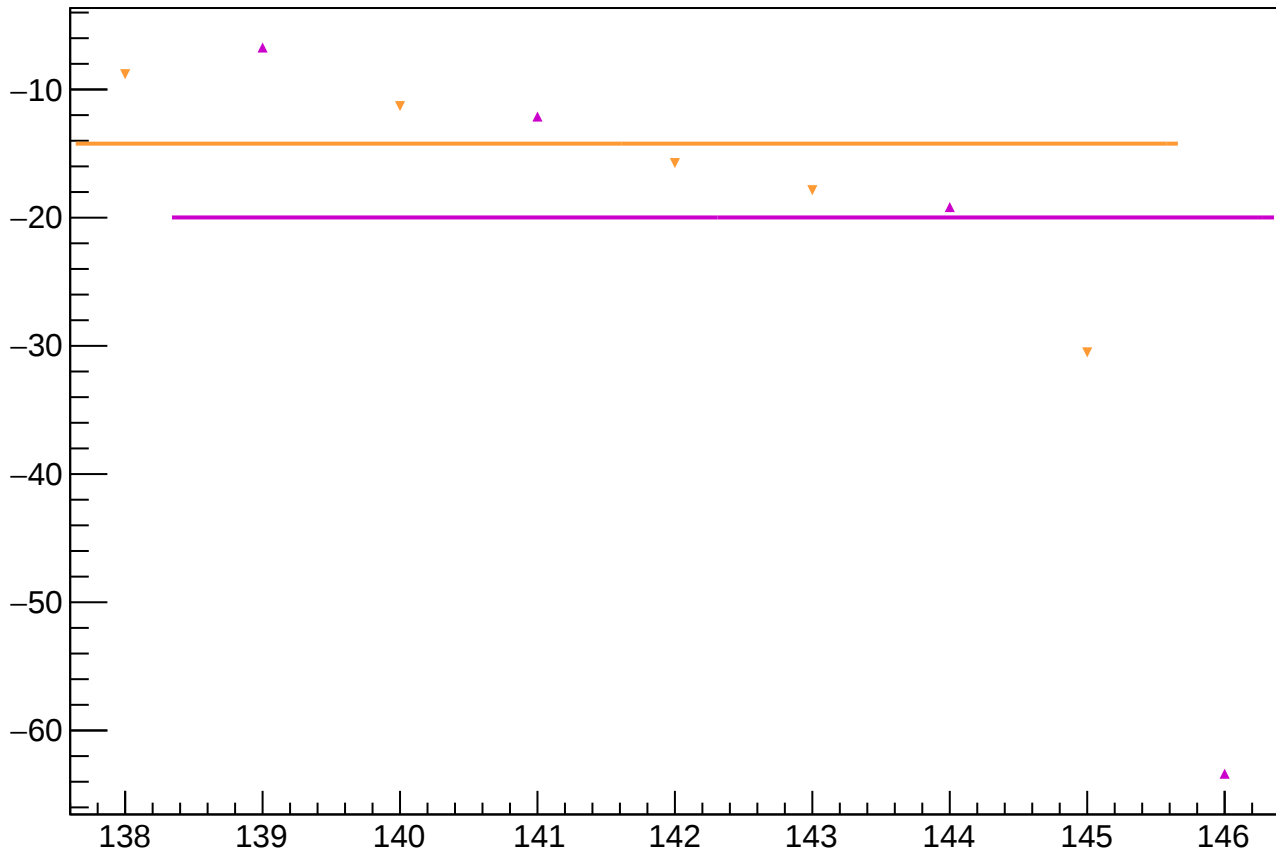
Right Out: 0.211 $\pm$ 0.004 χ^2 /NDF: 1153.8/19

Left In: 0.173 $\pm$ 0.005 χ^2 /NDF: 562.3/3

0.208 $\pm$ 0.003 χ^2 /NDF: 1344.6/21

0.198 $\pm$ 0.003 χ^2 /NDF: 1750.8/23

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -14.225+/-0.123 χ^2/NDF : 3026.6/4

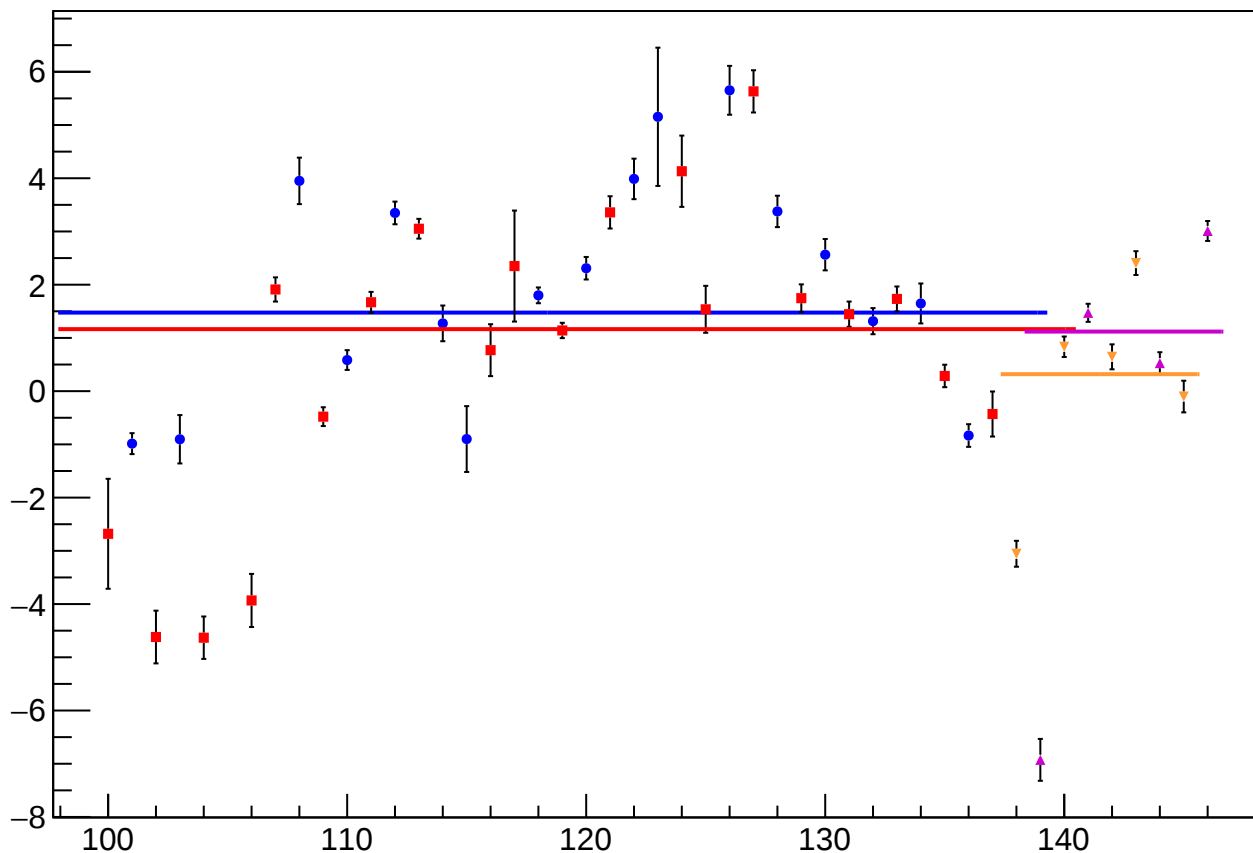
-14.225+/-0.123 χ^2/NDF : 3026.6/4

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

-19.983+/-0.129 χ^2/NDF : 23148.1/3

Left In: -19.983+/-0.129 χ^2/NDF : 23148.1/3

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: 0.319 $\pm$ 0.103 χ^2/NDF :290.4/4

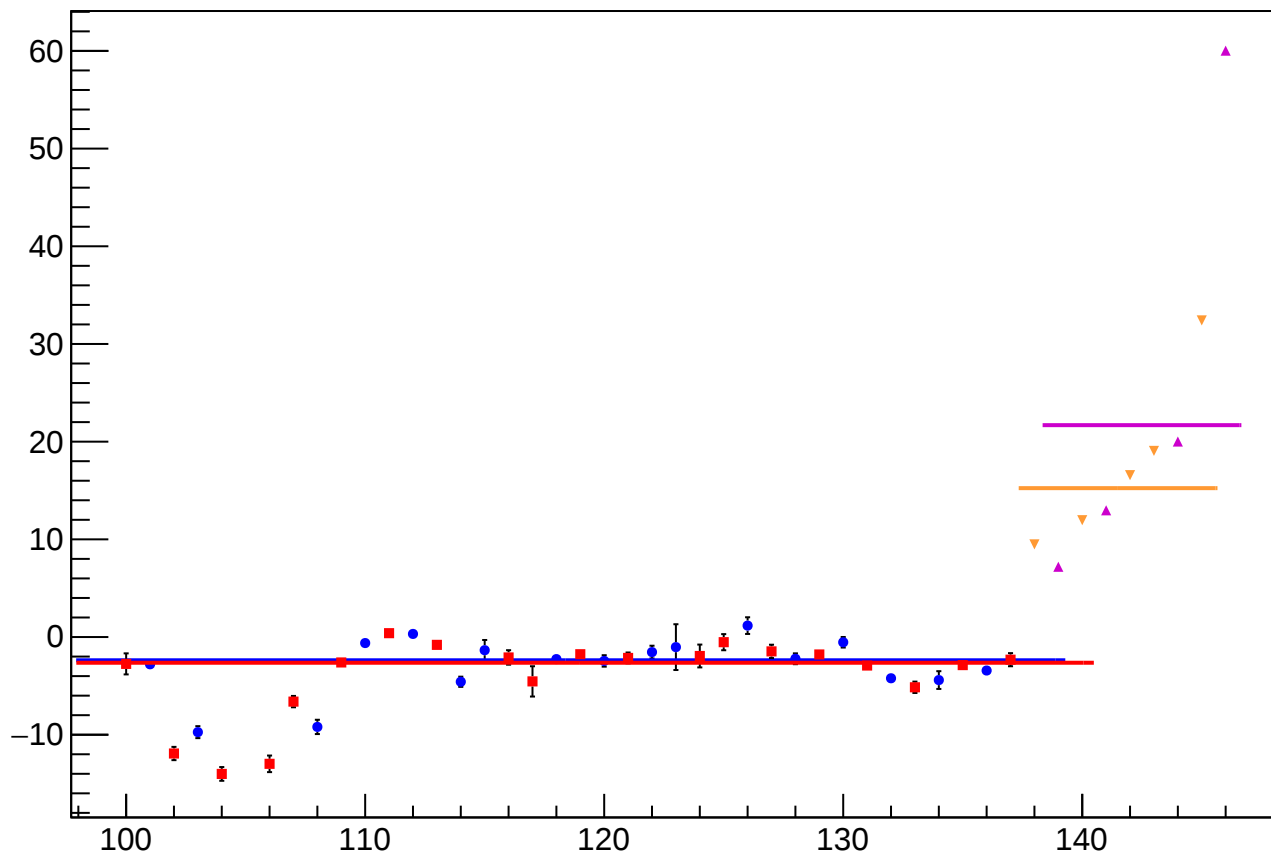
Right Out: 1.165 $\pm$ 0.060 χ^2/NDF : 919.2/19

Left In: 1.119 $\pm$ 0.103 χ^2/NDF :532.4/3

1.159 $\pm$ 0.054 χ^2/NDF : 1040.7/21

1.154 $\pm$ 0.052 χ^2/NDF : 1451.7/23

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 15.241 ± 0.132 χ^2/NDF : 2999.7/4

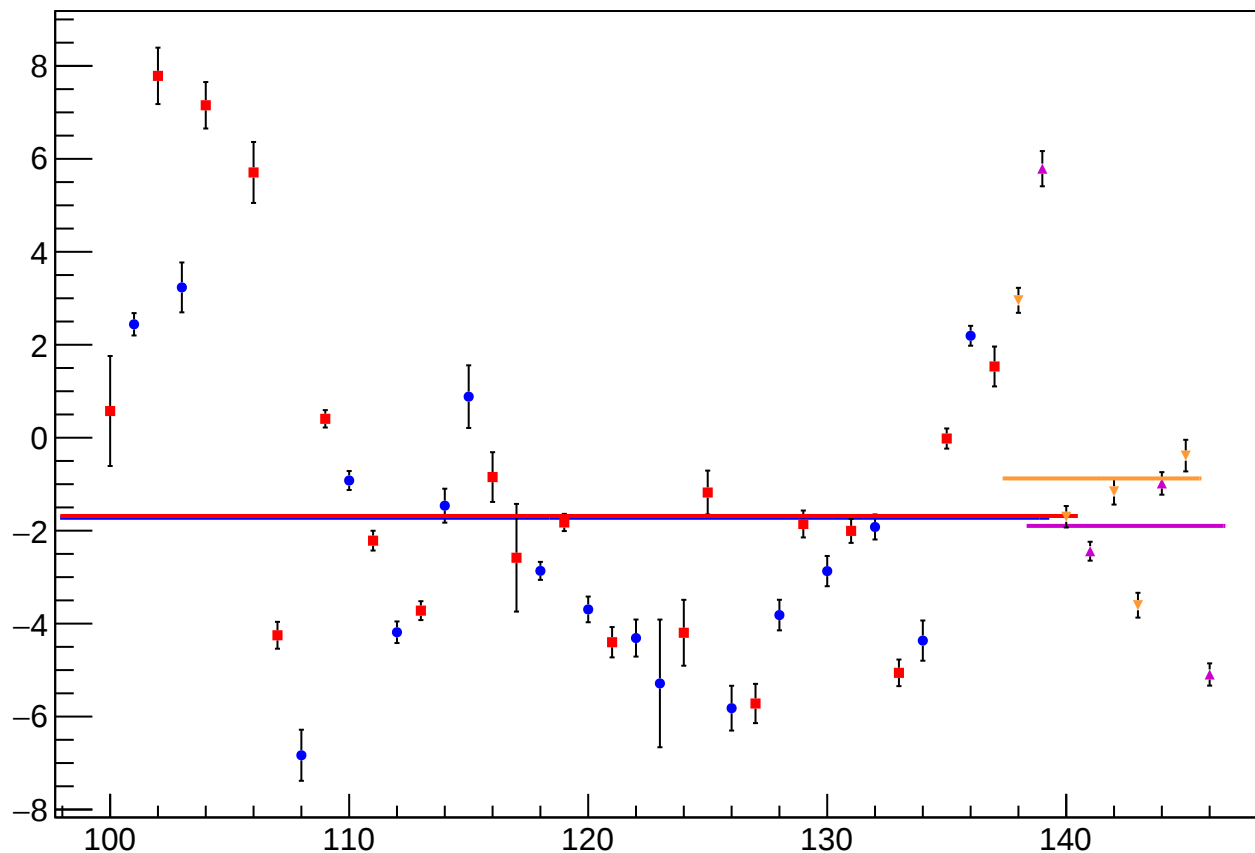
Right Out: -2.631 ± 0.103 χ^2/NDF : 842.8/19

Left In: 21.689 ± 0.135 χ^2/NDF : 20650.8/3

5.203 ± 0.087 χ^2/NDF : 13537.3/21

6.304 ± 0.082 χ^2/NDF : 41965.1/23

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -0.876 ± 0.122 χ^2/NDF : 323.3/4

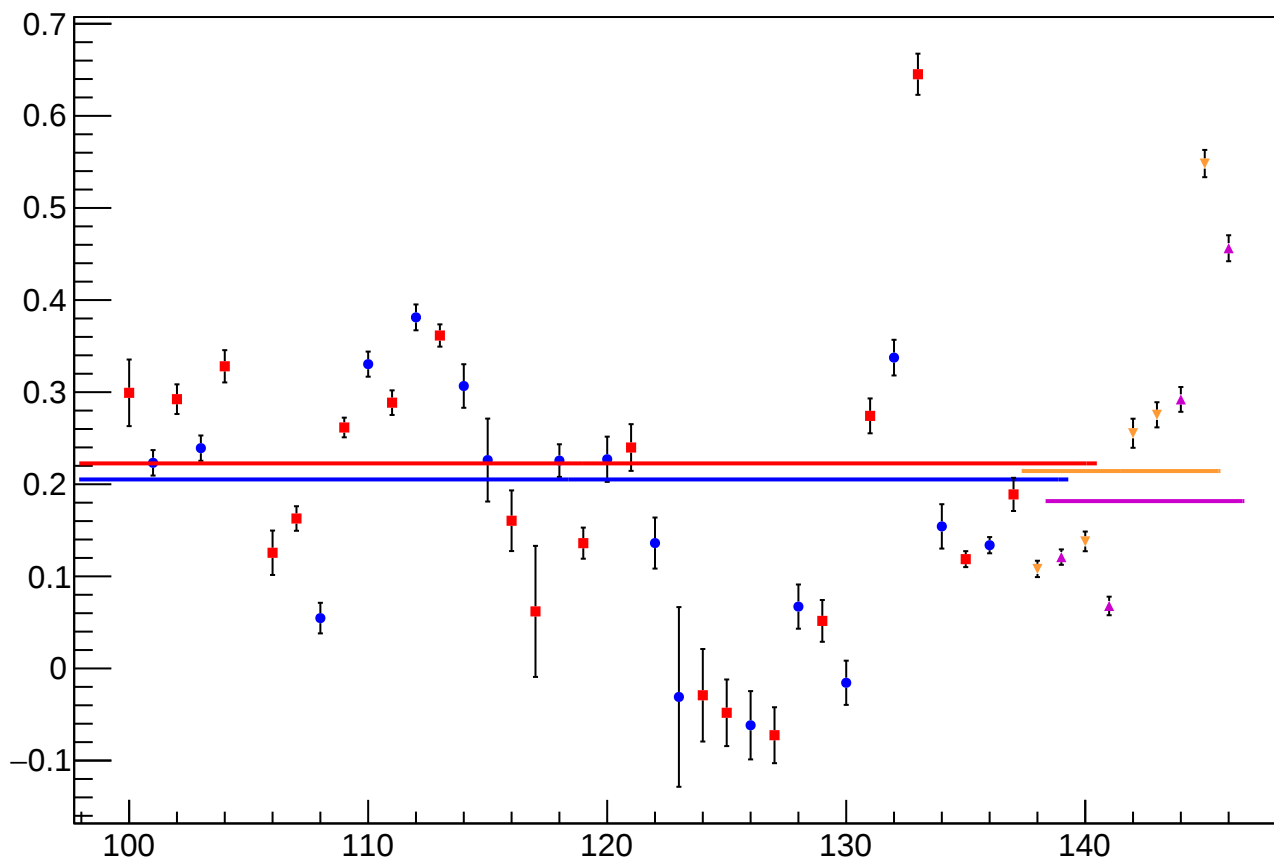
Right Out: -1.684 ± 0.068 χ^2/NDF : 1431.6/19

Left In: -1.897 ± 0.123 χ^2/NDF : 611.9/3

-1.497 ± 0.063 χ^2/NDF : 1606.5/21

-1.733 ± 0.059 χ^2/NDF : 2045.8/23

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.004 $\chi^2/\text{NDF}: 650.7/16$

Left Out: 0.214 ± 0.005 $\chi^2/\text{NDF}: 730.6/4$

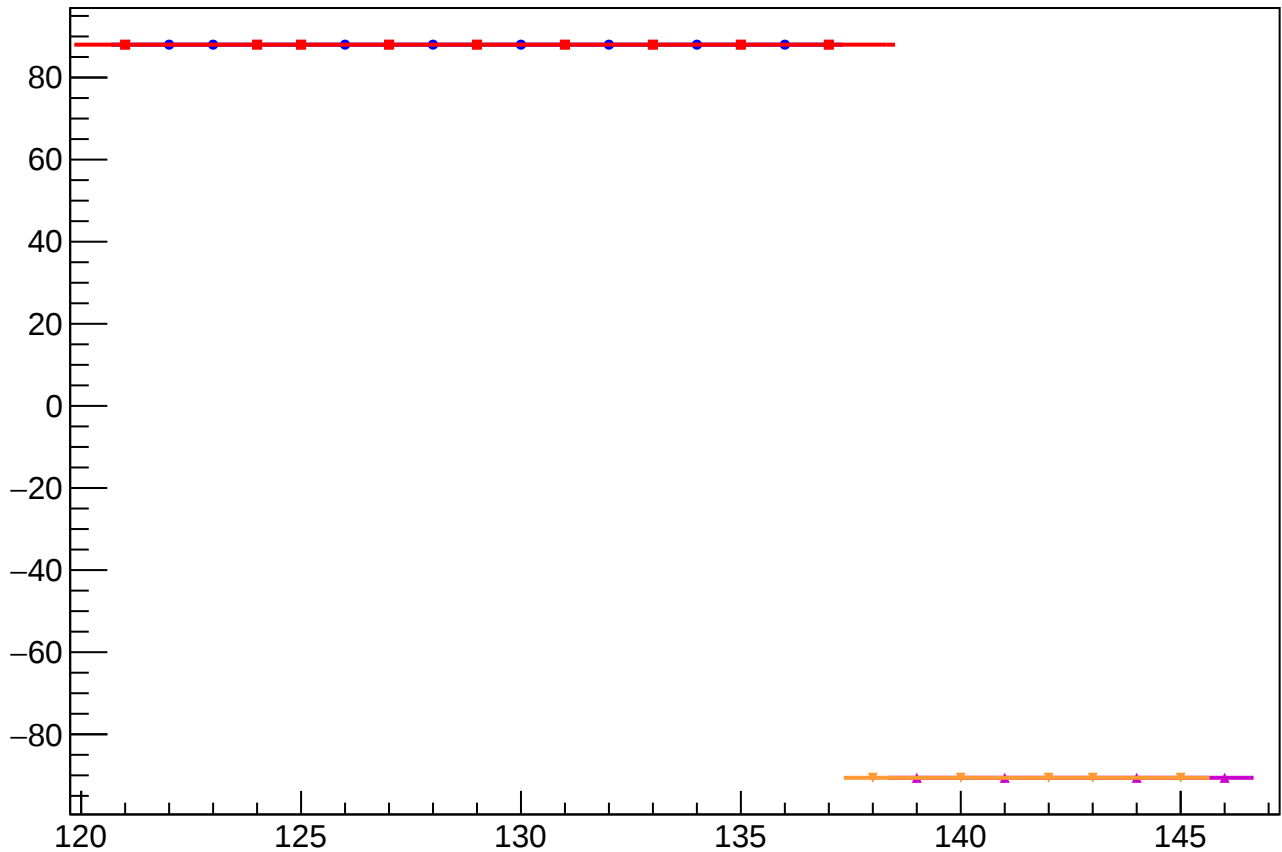
Right Out: 0.223 ± 0.004 $\chi^2/\text{NDF}: 1045.6/19$

Left In: 0.182 ± 0.005 $\chi^2/\text{NDF}: 626.9/3$

0.209 ± 0.003 $\chi^2/\text{NDF}: 1383.1/21$

0.209 ± 0.003 $\chi^2/\text{NDF}: 1711.0/23$

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 : 2563532.9/4

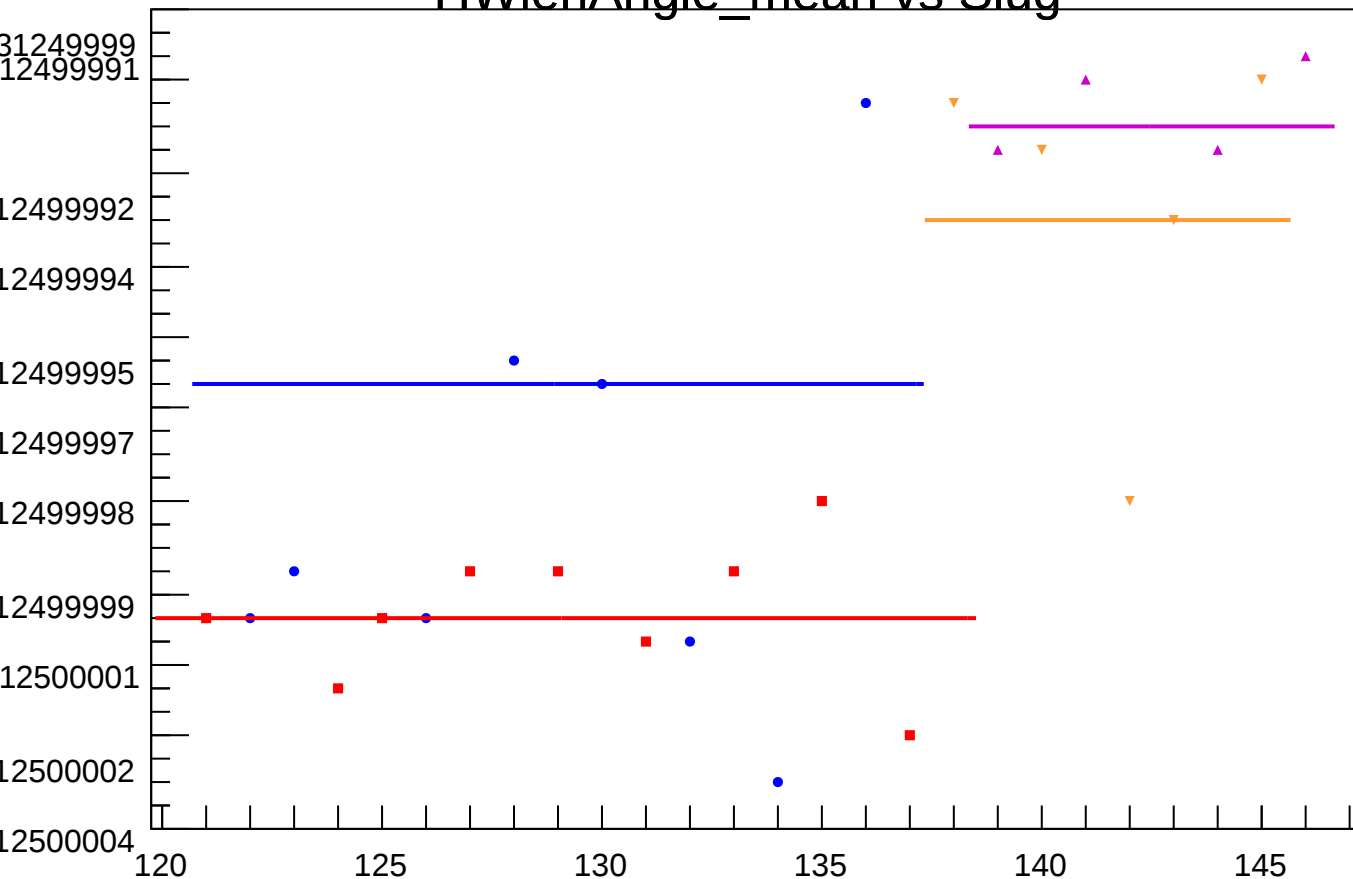
Right Out: 88.001+/-0.000 χ^2/NDF : 109456.0/8

Left In: -90.599+/-0.000 χ^2/NDF : 291815.4/3

-2.713+/-0.000 χ^2/NDF : 554088218555395317

-2.948+/-0.000 χ^2/NDF : 518165184375383945

HWienAngle_mean vs Slug



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

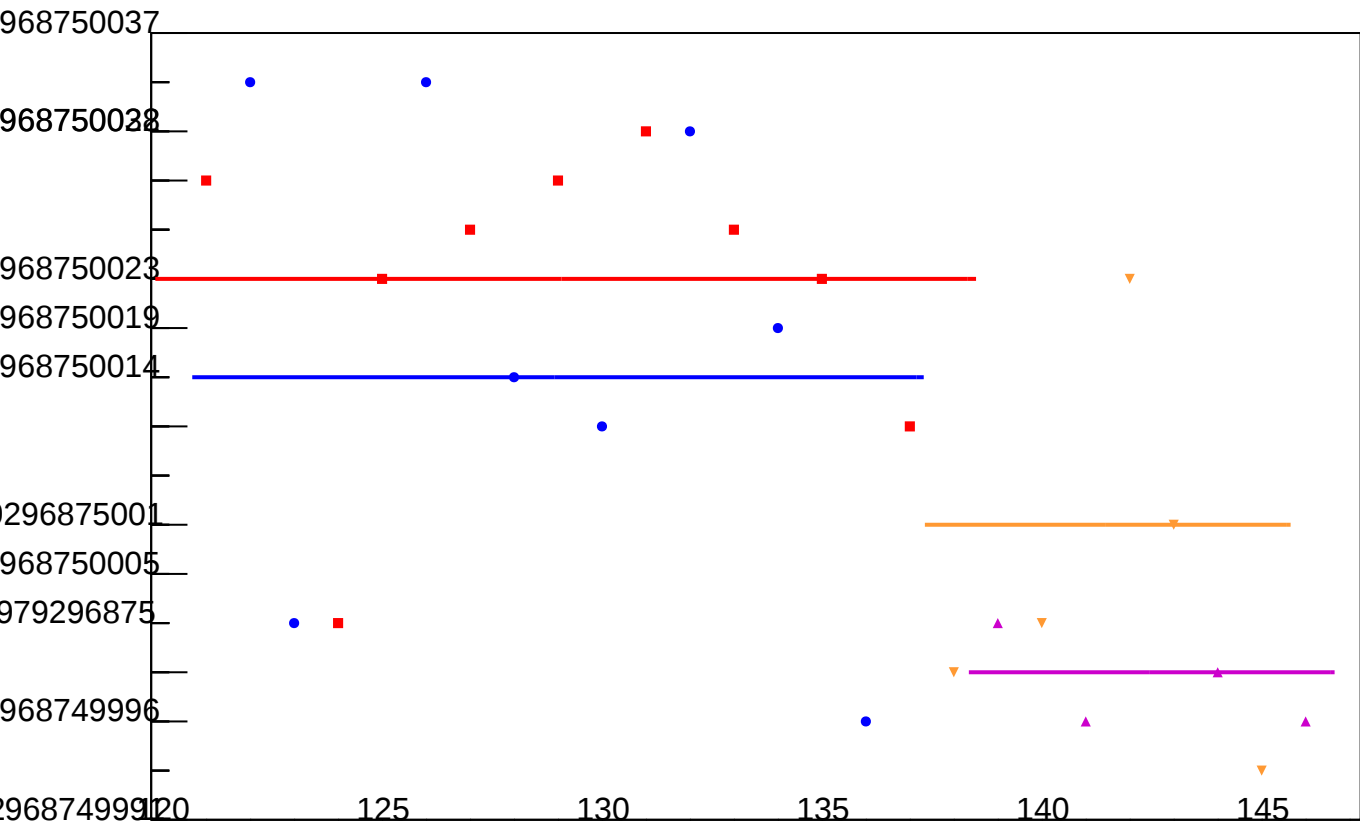
Left Out: -29.641+/-0.000 χ^2/NDF :154339.1/4

Right Out: -29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: -29.641+/-0.000 χ^2/NDF :15777.2/3

-29.641+/-0.000 χ^2/NDF : 815265.7/12

-29.641+/-0.000 χ^2/NDF : 926981.0/12



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1467.979+/-0.000 χ^2/NDF : 217393404.7/4

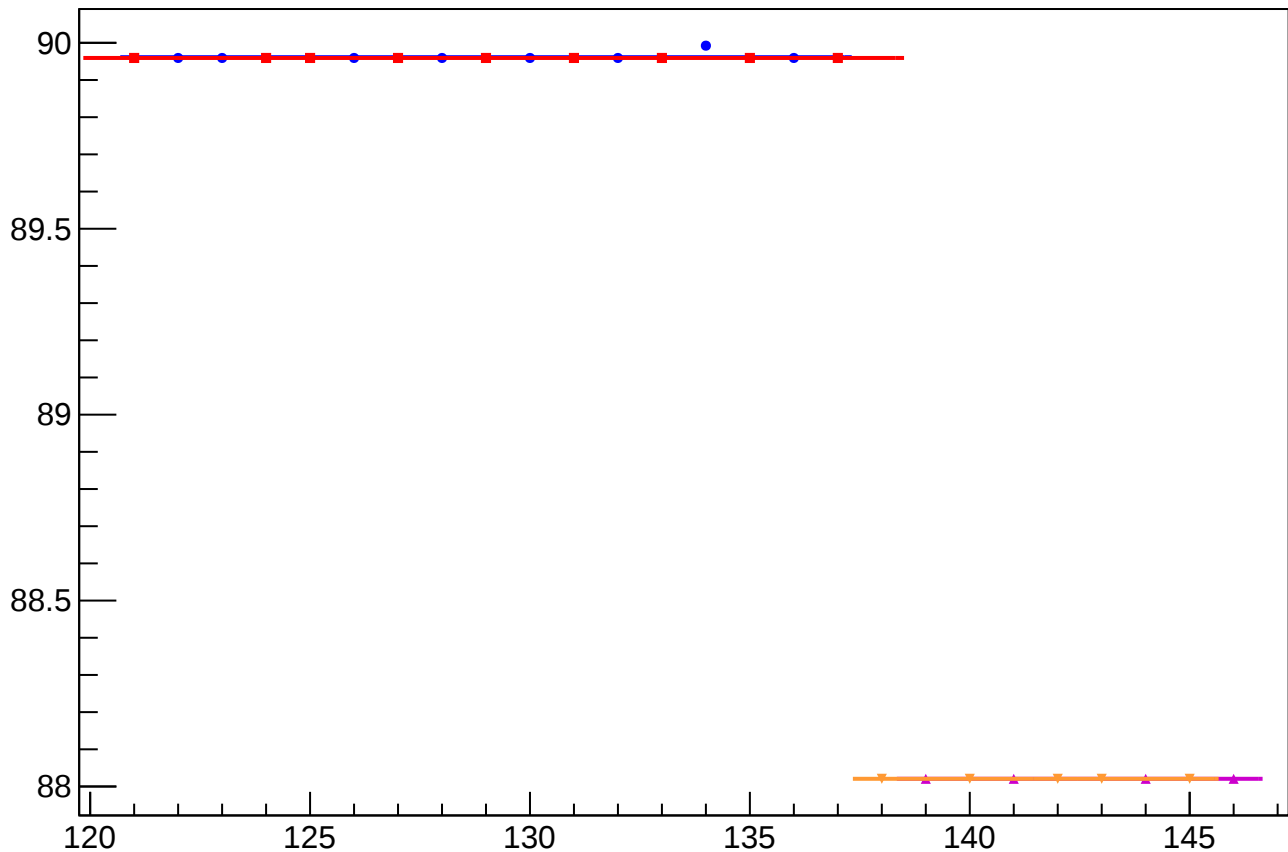
Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: 1467.979+/-0.000 χ^2/NDF : 12511106.8/3

1467.979+/-0.000 χ^2/NDF : 1062565195.6/12

1467.979+/-0.000 χ^2/NDF : 798177592.3/12

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 : 2540914.7/4

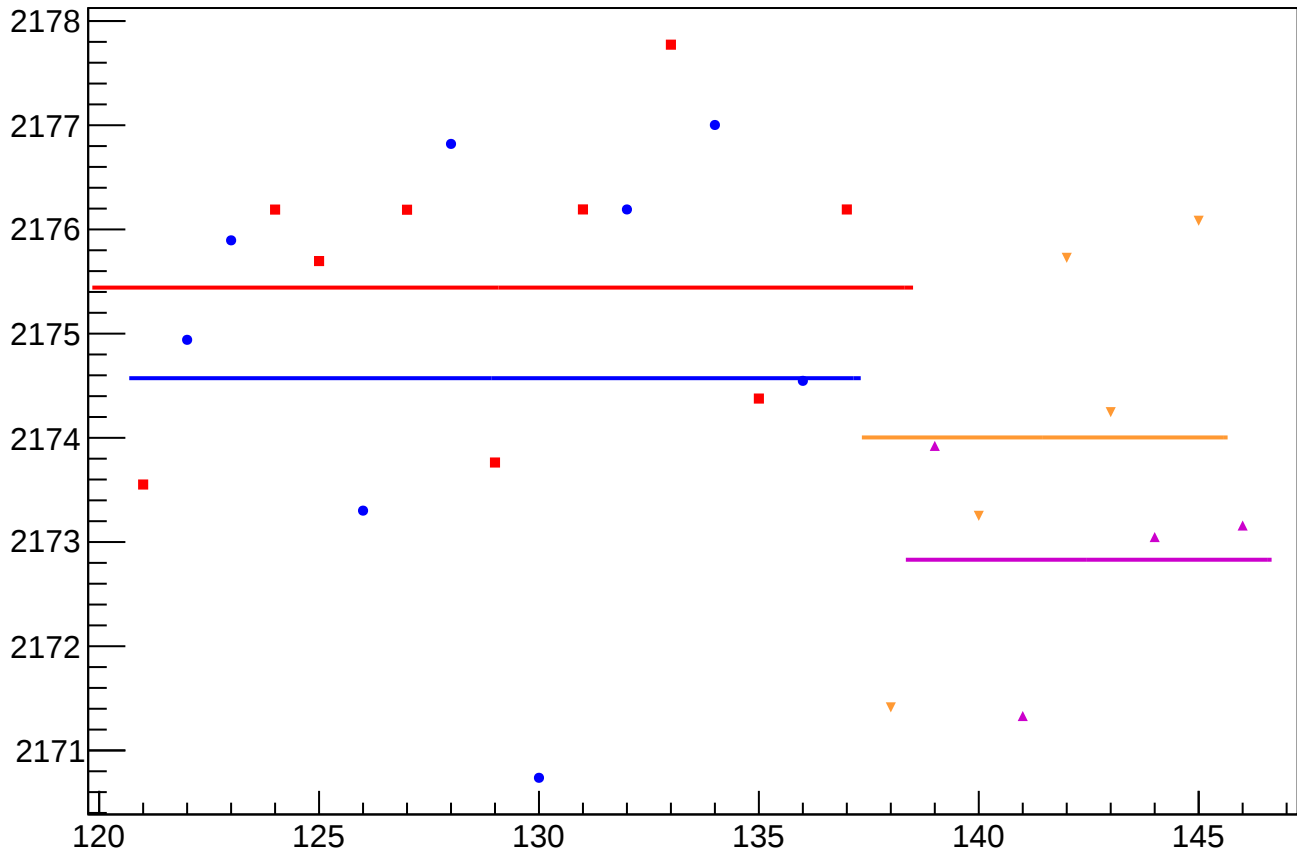
Right Out: 89.959 ± 0.000 χ^2/NDF : 331397.3/8

Left In: 88.021 ± 0.000 χ^2/NDF : 273842.0/3

88.976 ± 0.000 χ^2/NDF : 654203227943914020

88.972 ± 0.000 χ^2/NDF : 610490537269484703

HALLA_p_mean vs Slug



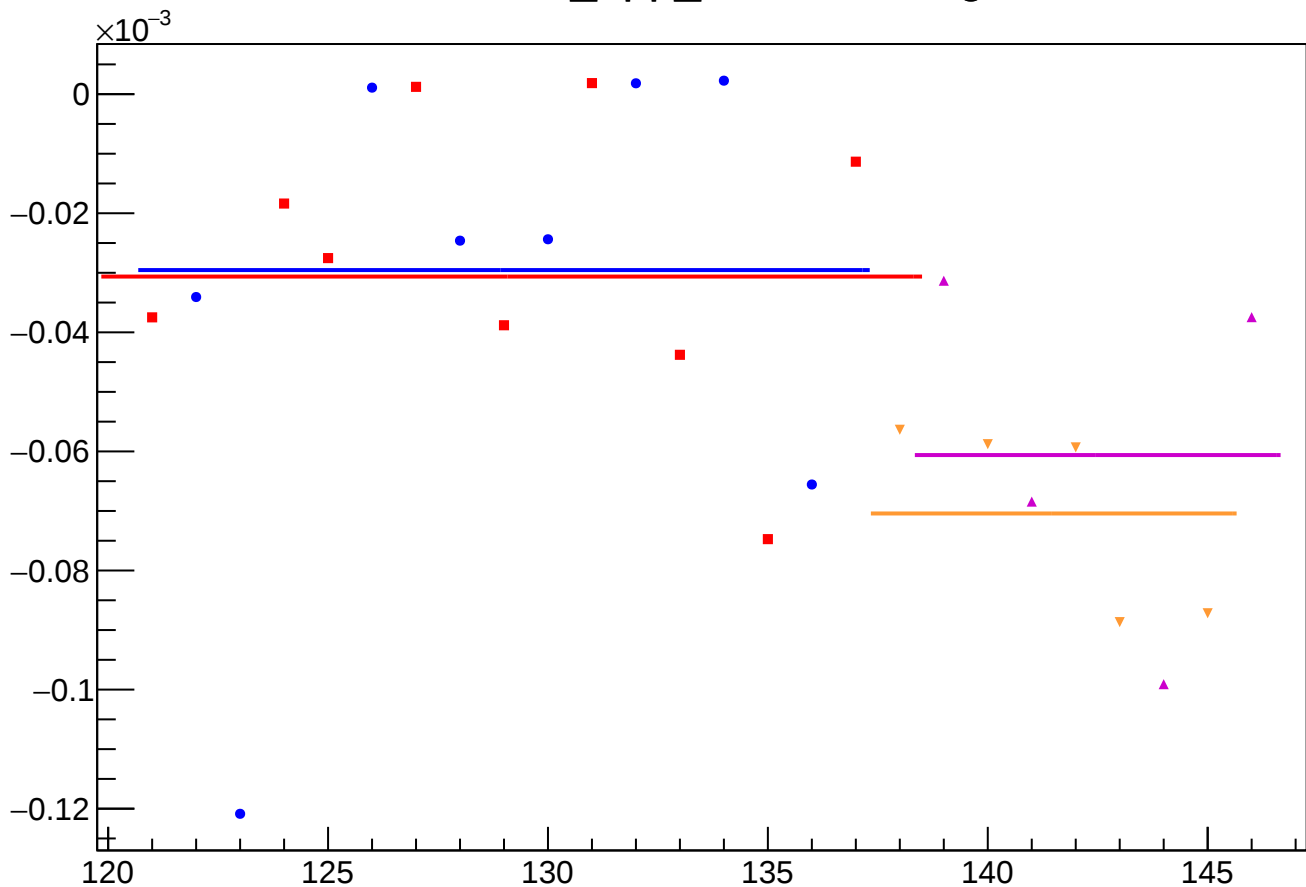
Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.004 $\pm$ 0.000 χ^2 /NDF: 1060705966984896475424760465981440.0/4

Right Out: 2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8

Left In: 2172.830 $\pm$ 0.000 χ^2 /NDF: 292718764492837278676881460166656.0/3

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 : 76920970195145177694208.0/4

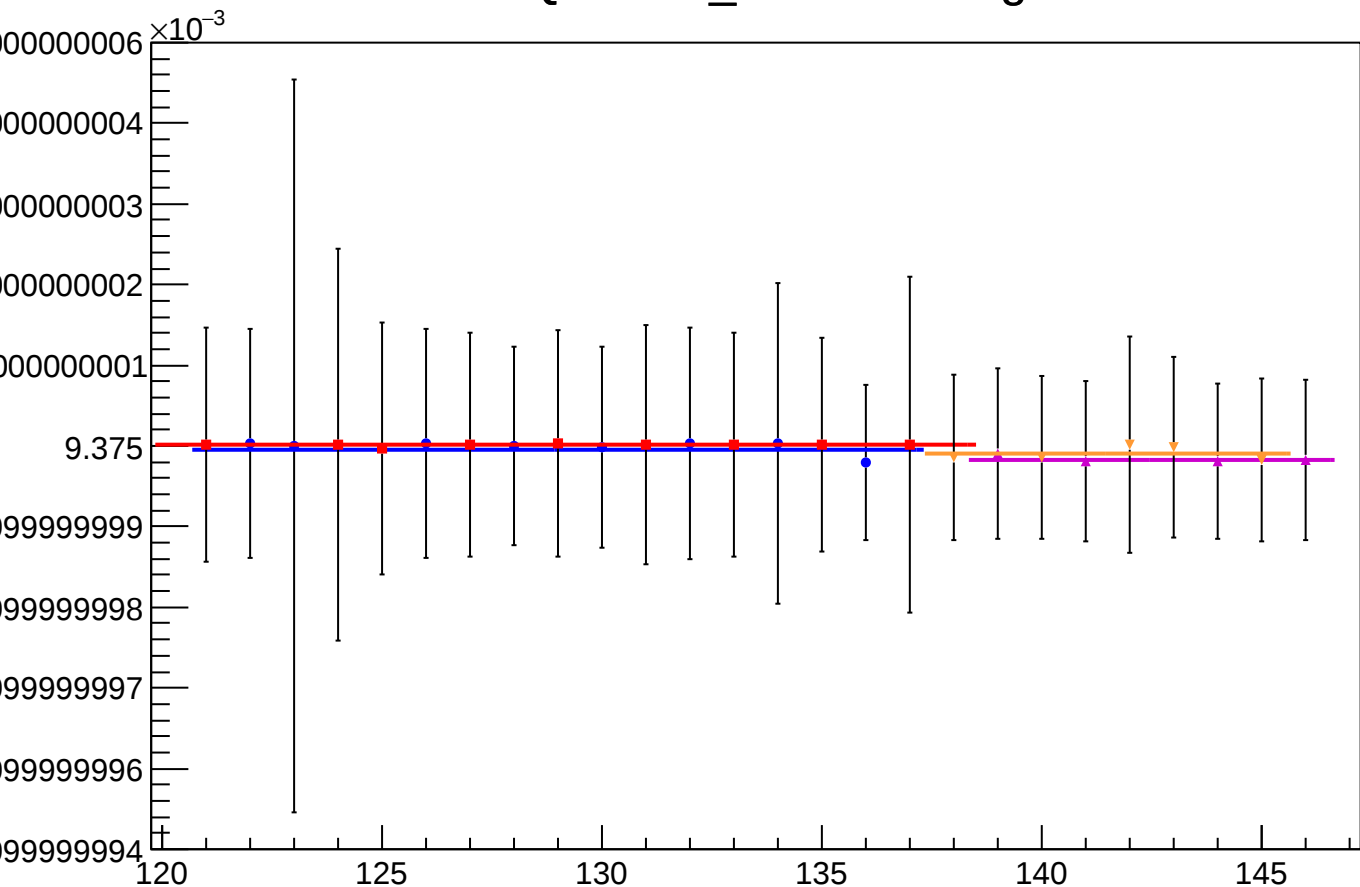
Right Out: -0.000+/-0.000 χ^2/NDF : 196732771178766734983168.0/8

Left In: -0.000+/-0.000 χ^2/NDF : 244928611529346384920576.0/3

-0.000+/-0.000 χ^2/NDF : 617354171905310512

-0.000+/-0.000 χ^2/NDF : 587640305405952266

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/4

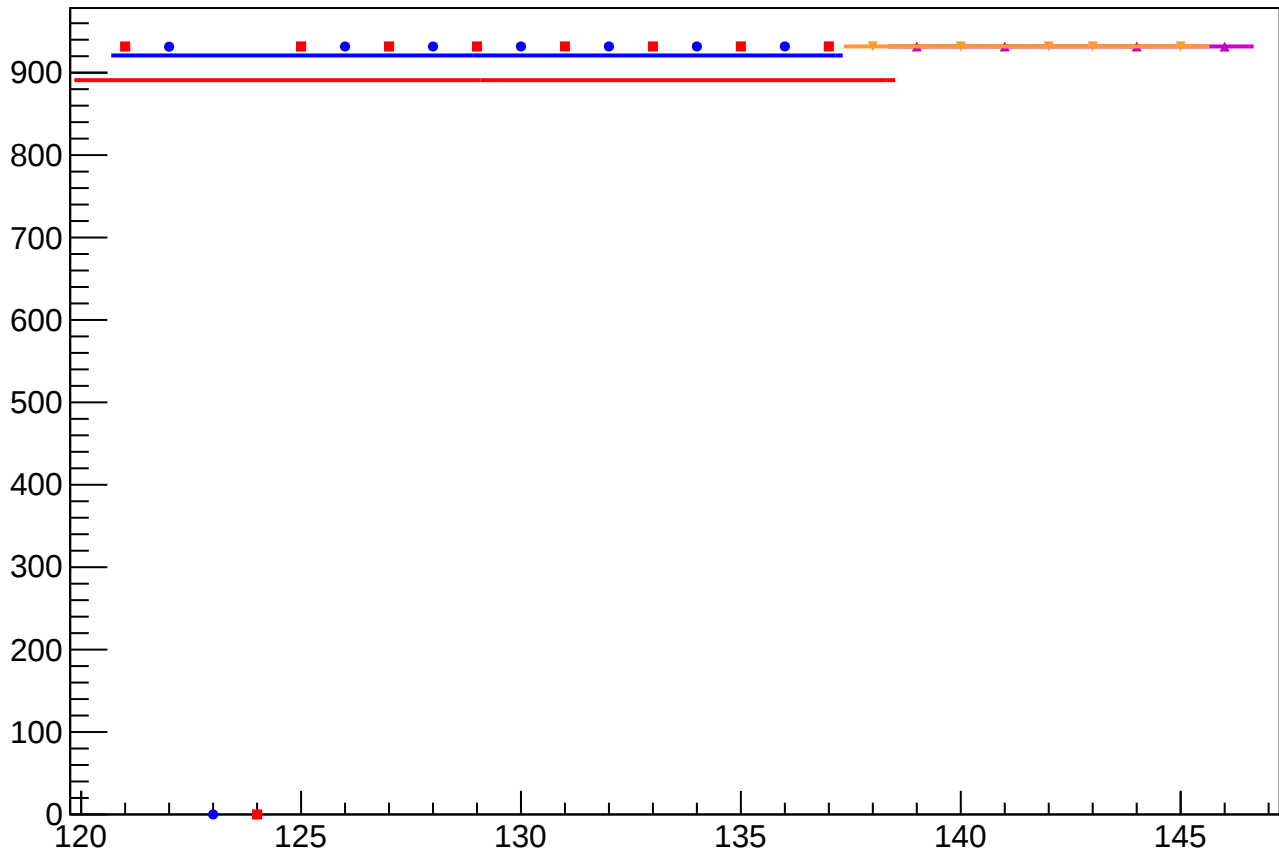
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/3

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/12

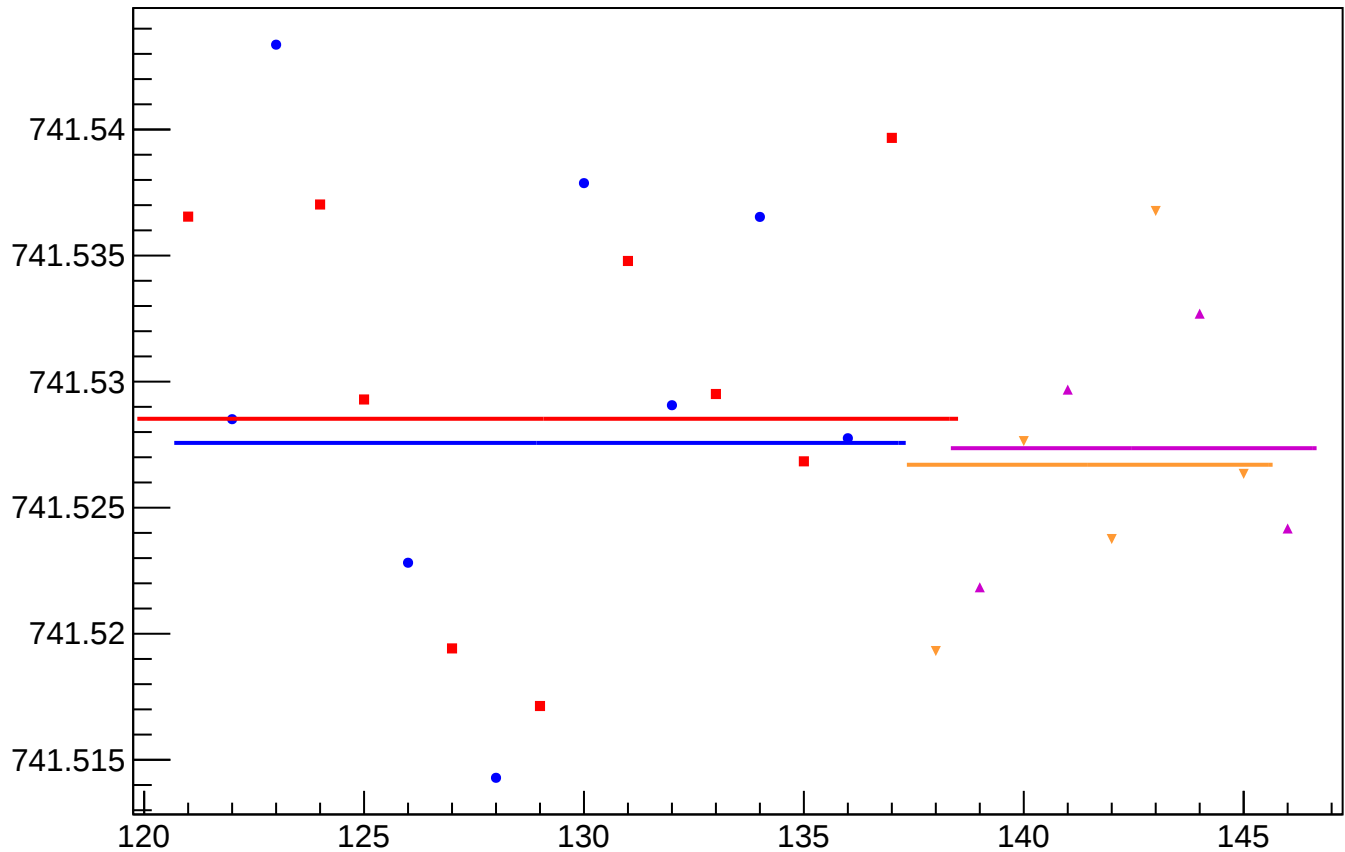
0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/12

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 $\pm$ 0.000 χ^2 /NDF: 3432128841951899861299566212080992256.0/7
Left Out: 931.864 $\pm$ 0.000 χ^2 /NDF: 91704933025713612935407861760.0/4
Right Out: 890.923 $\pm$ 0.000 χ^2 /NDF: 11621671430114409722932854398744788992.0/8
Left In: 931.839 $\pm$ 0.000 χ^2 /NDF: 936039179443084793095036862464.0/3

HacL_D1_HP3458A_IOUT_mean vs Slug



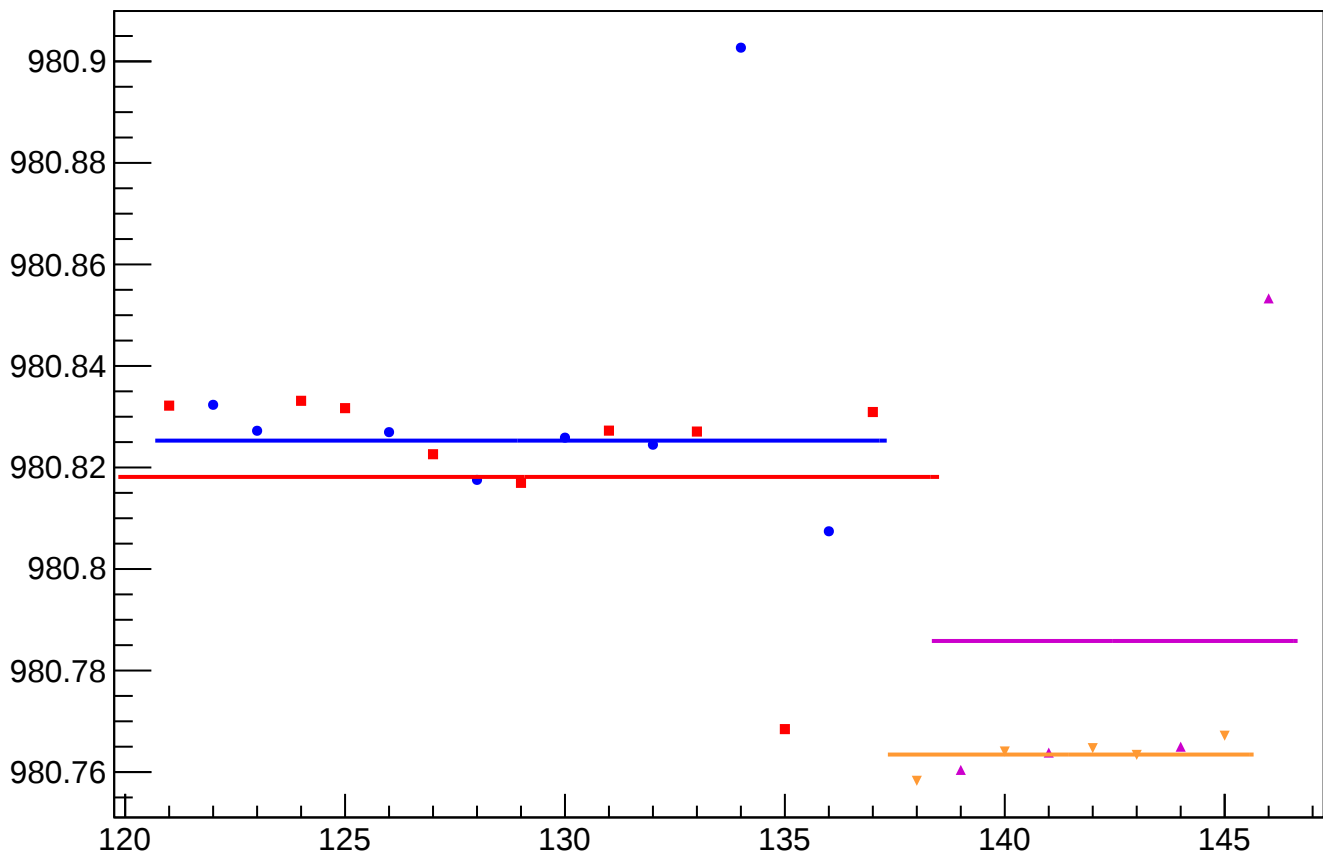
Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.527+/-0.000 χ^2/NDF : 11427568968885265944201396224.0/4

Right Out: 741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

Left In: 741.527+/-0.000 χ^2/NDF : 6087754574149652559815507968.0/3

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.763+/-0.000 χ^2/NDF : 3304197600504496365305331712.0/4

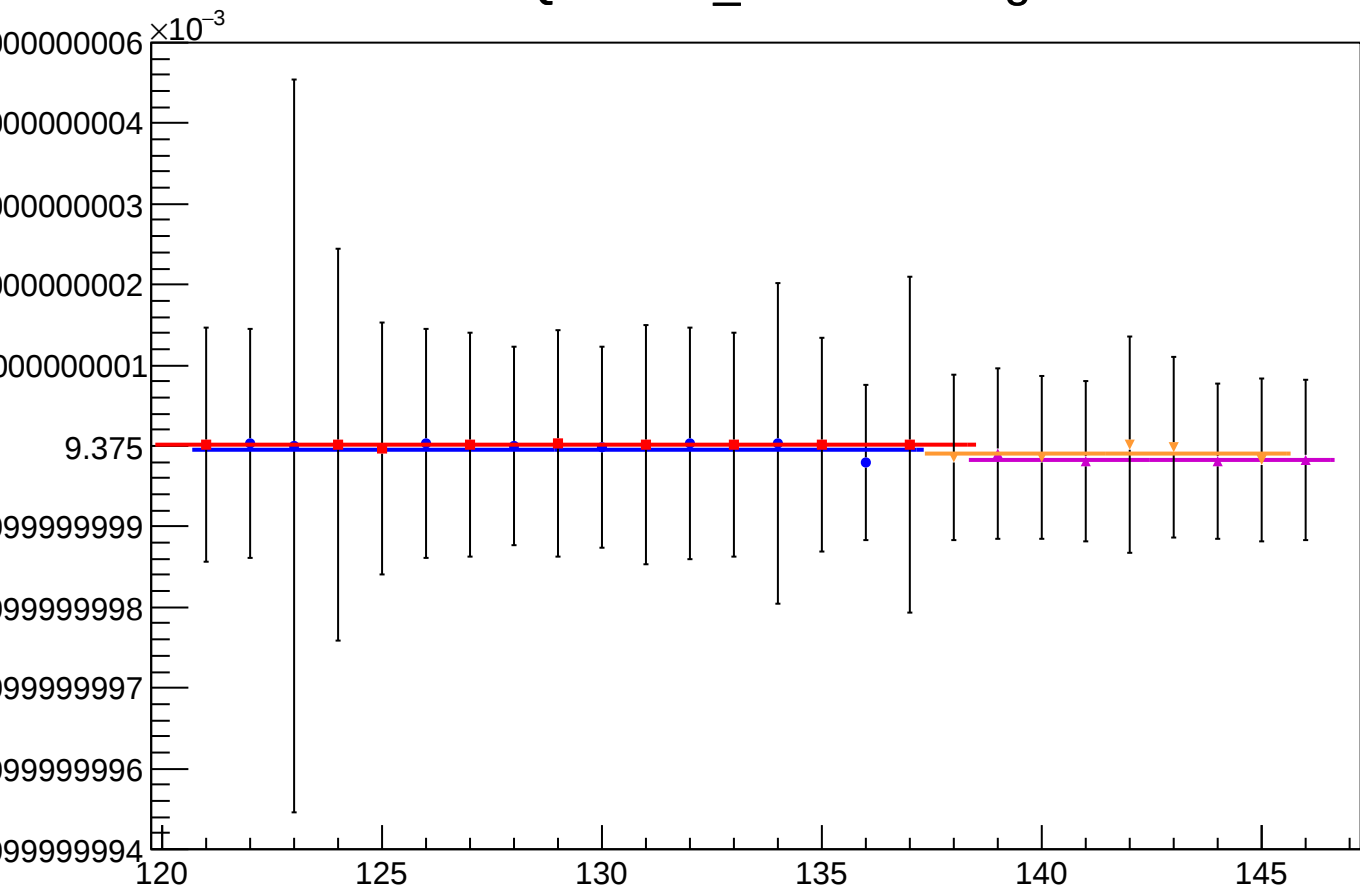
Right Out: 980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: 980.786+/-0.000 χ^2/NDF : 505430702851879597104477241344.0/3

980.794+/-0.000 χ^2/NDF : 82697964252677274

980.802+/-0.000 χ^2/NDF : 81877444648518753

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/4

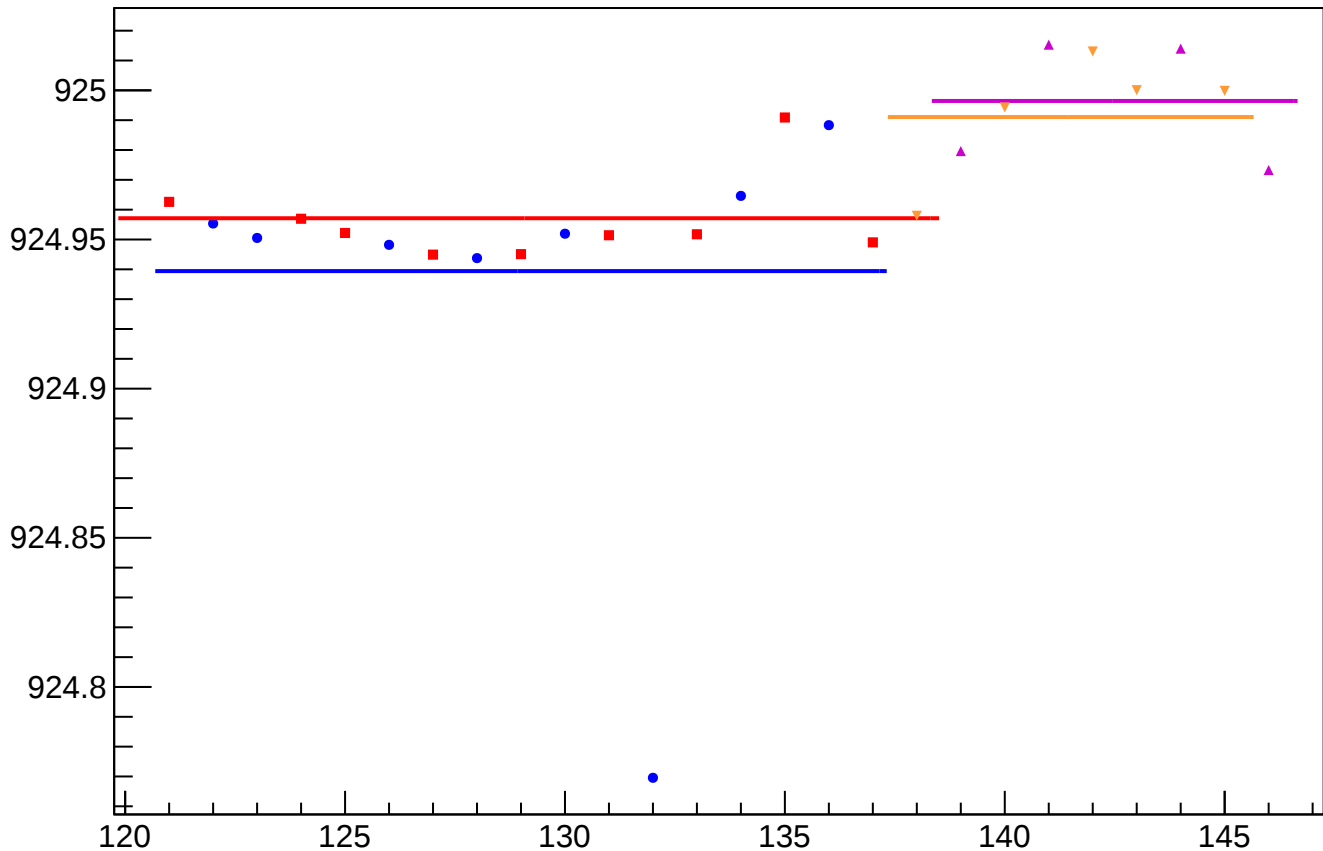
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/3

0.009+/-0.000 χ^2/NDF : 0.1/12

0.009+/-0.000 χ^2/NDF : 0.1/12

HacR_Q2_HP3458A_IOUT_mean vs Slug



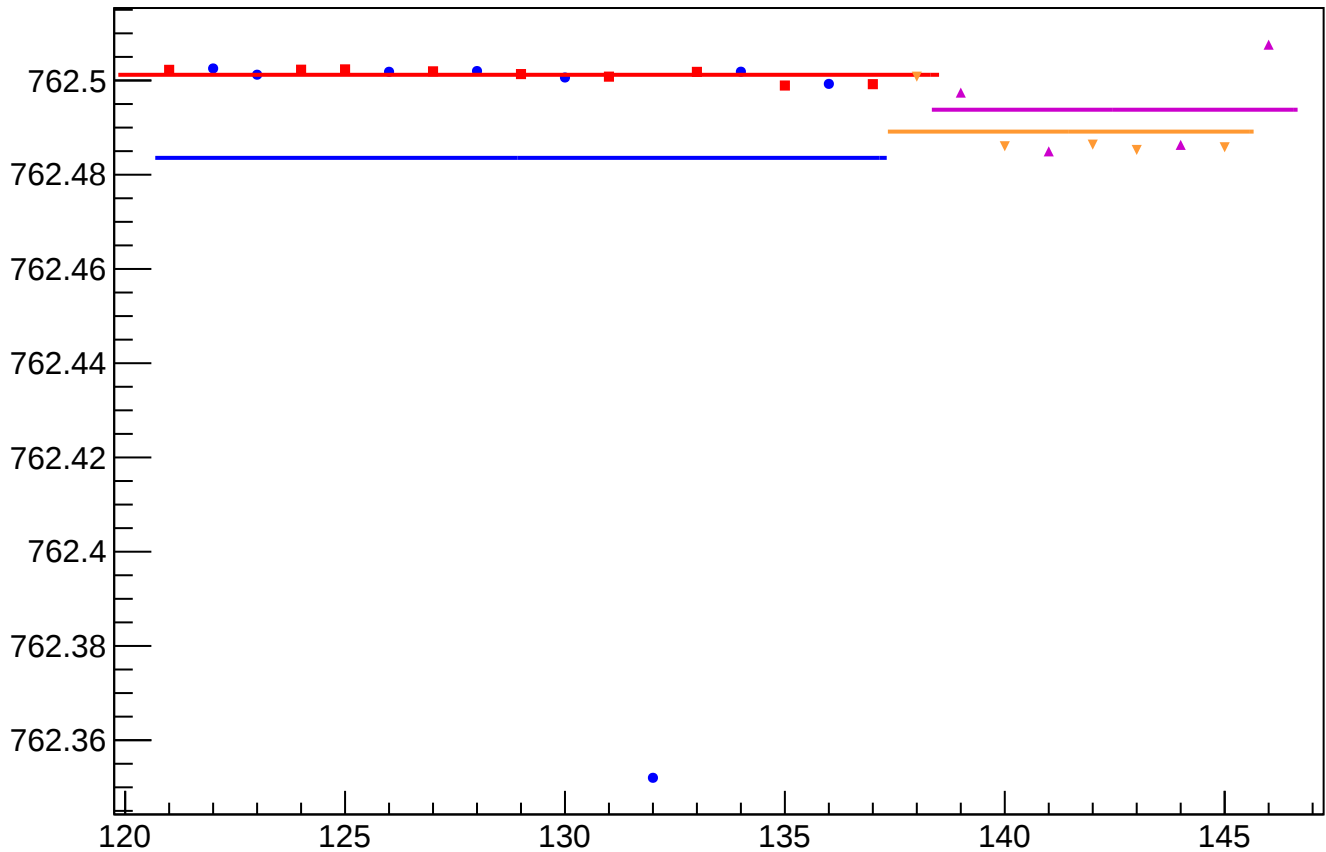
Right In: 924.939 +/- 0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.991 +/- 0.000 χ^2/NDF : 120082779838346748735600459776.0/4

Right Out: 924.957 +/- 0.000 χ^2/NDF : 71808709366506786060310151168.0/8

Left In: 924.996 +/- 0.000 χ^2/NDF : 123015157478676677955889922048.0/3

HacR_D1_HP3458A_IOUT_mean vs Slug



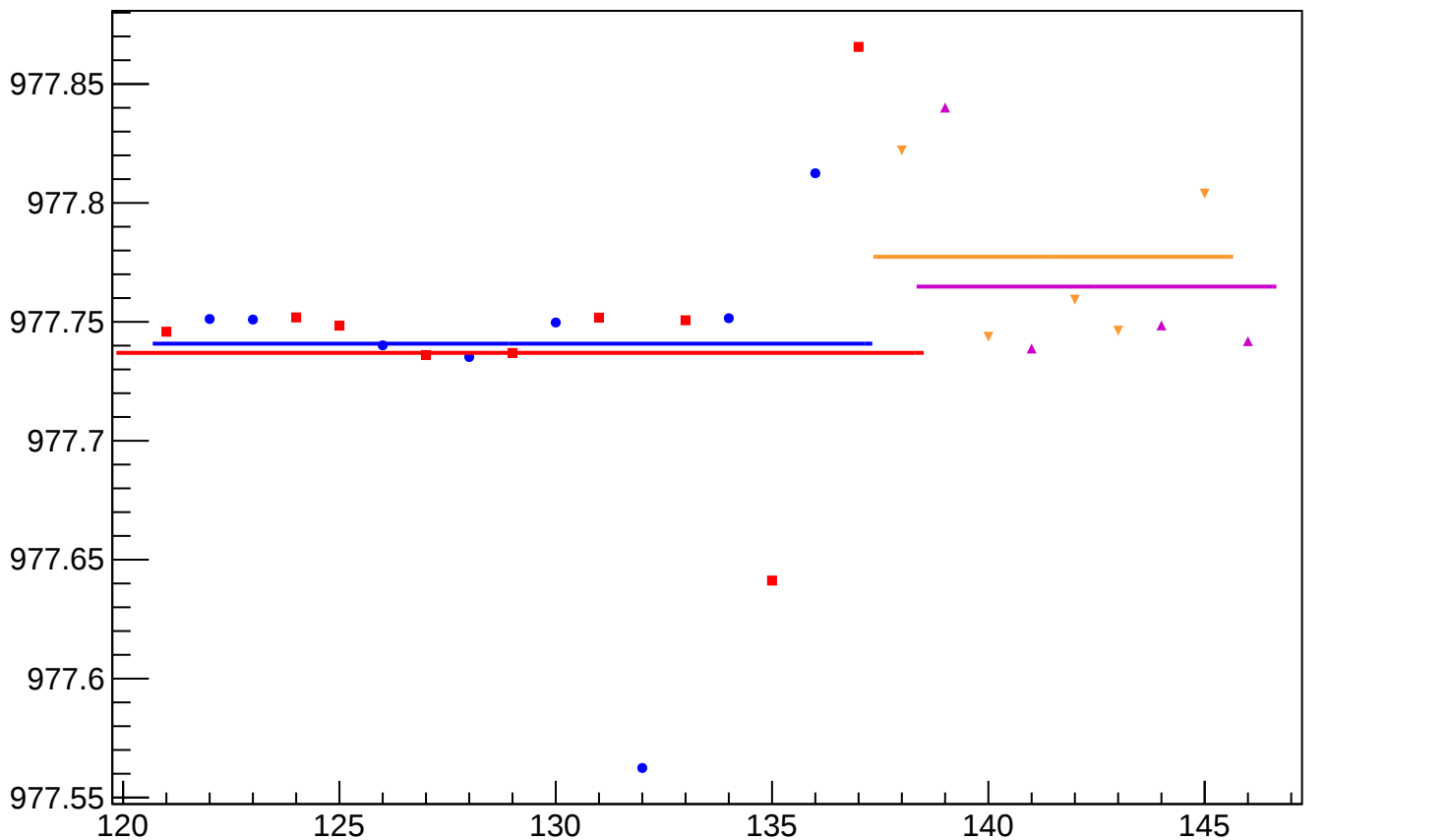
Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.489+/-0.000 χ^2/NDF : 13639528099243605796730175488.0/4

Right Out: 762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

Left In: 762.494+/-0.000 χ^2/NDF : 28378913236387738556219523072.0/3

HacR_Q3_HP3458A_IOUT_mean vs Slug



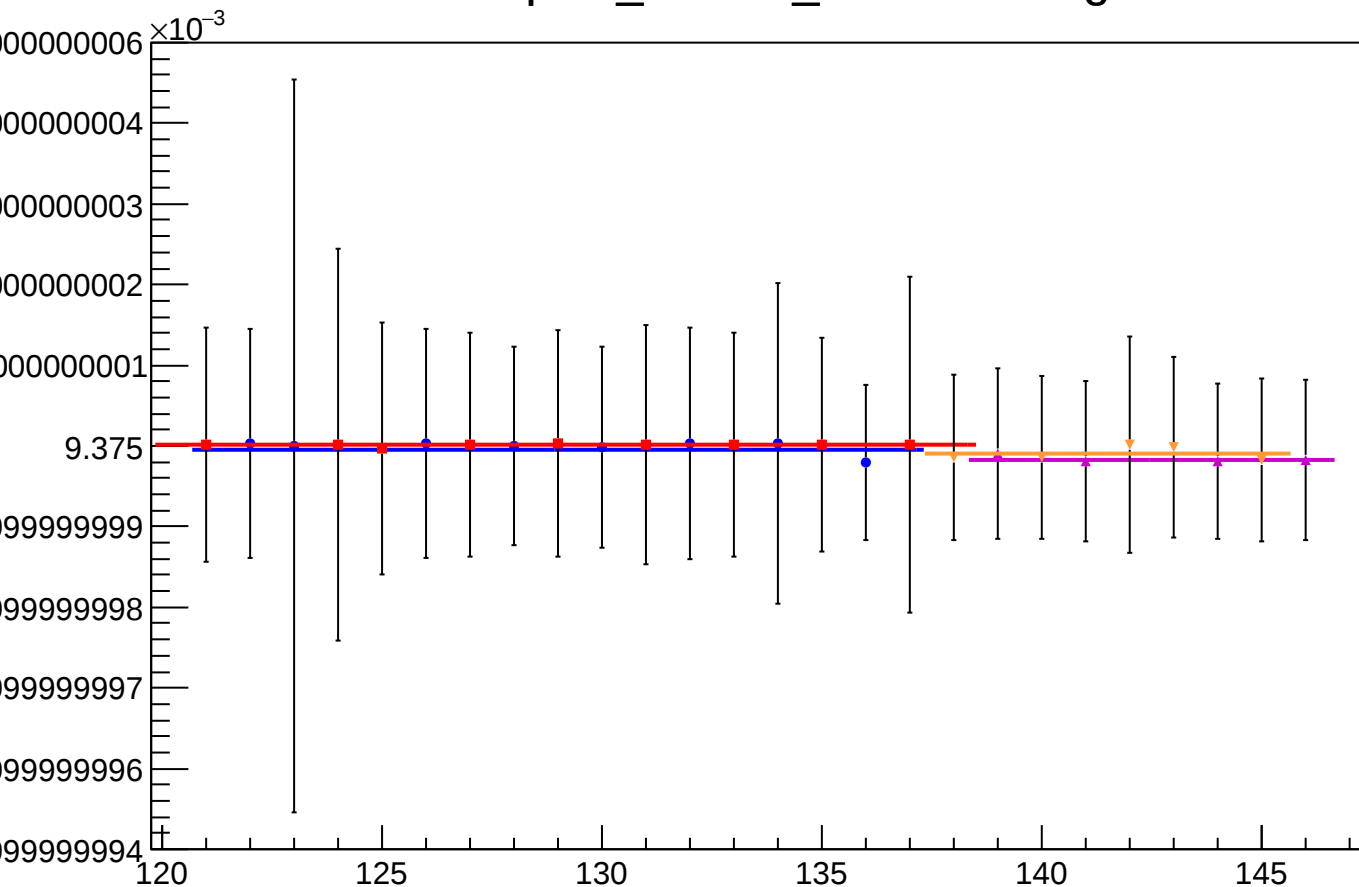
Right In: 977.741 $\pm$ 0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.777 $\pm$ 0.000 χ^2/NDF : 384487402130042894852550557696.0/4

Right Out: 977.737 $\pm$ 0.000 χ^2/NDF : 772313054358211830610902646784.0/8

Left In: 977.765 $\pm$ 0.000 χ^2/NDF : 544349917819004829156184686592.0/3

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/4

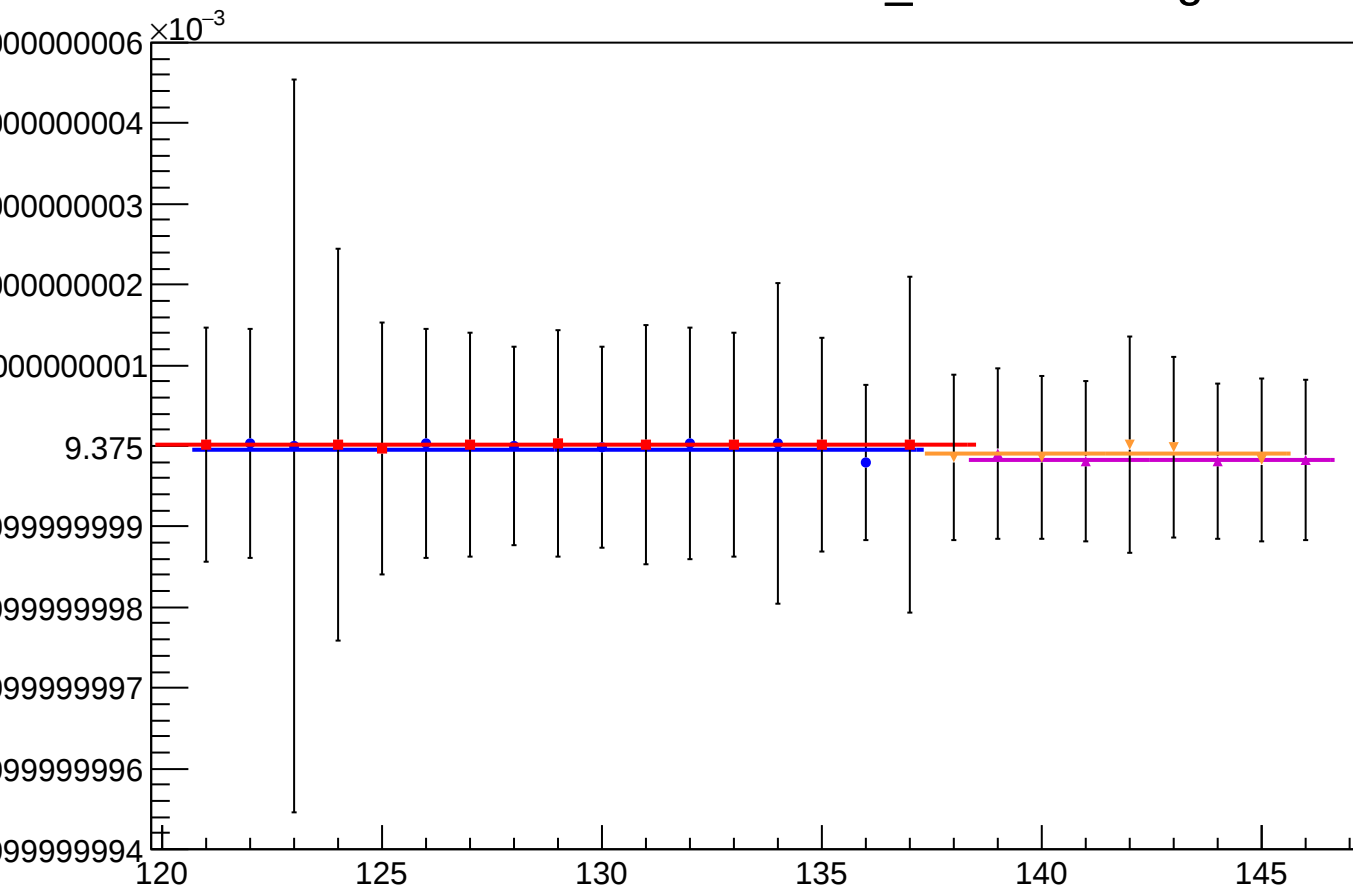
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/3

0.009+/-0.000 χ^2/NDF : 0.1/12

0.009+/-0.000 χ^2/NDF : 0.1/12

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 : 0.0/4

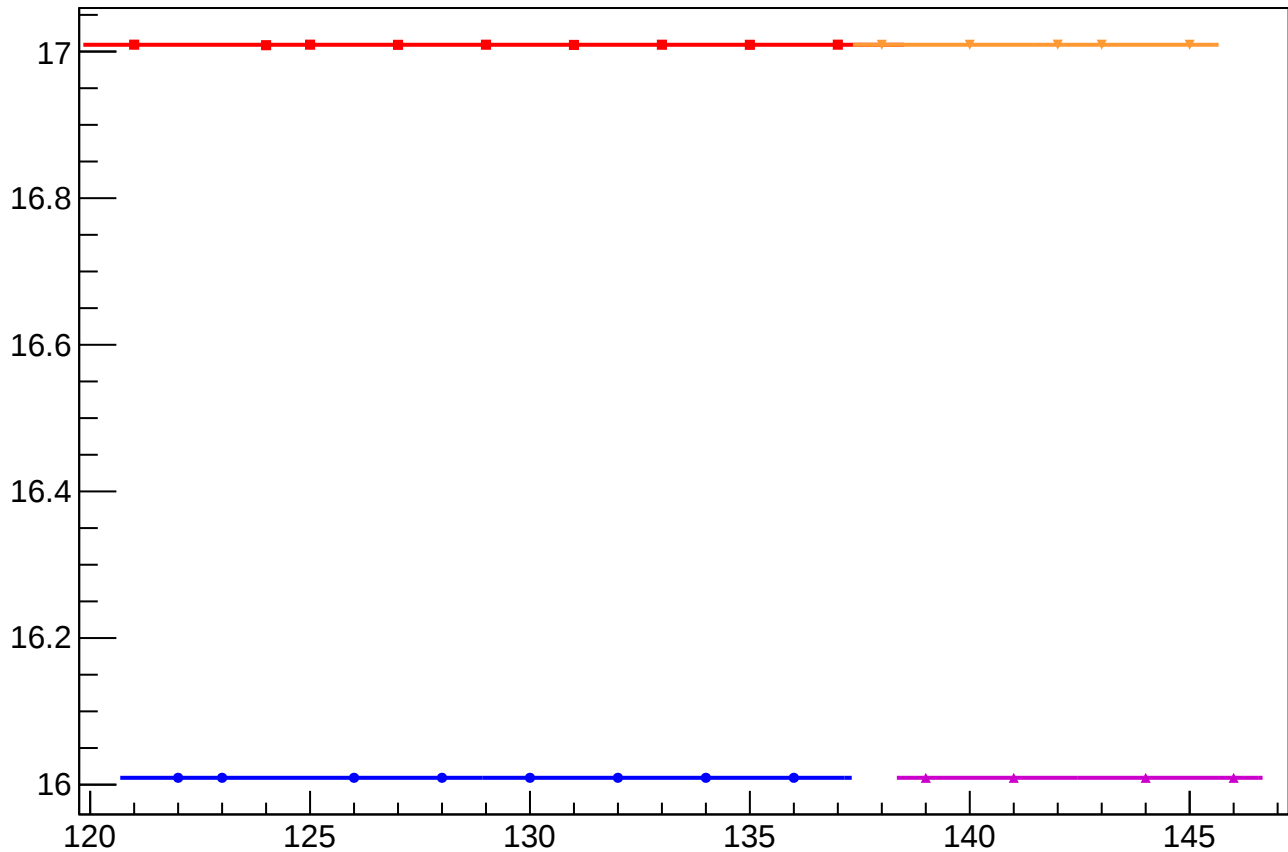
Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/3

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/12

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/12

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 1044447903117838127202304.0/4

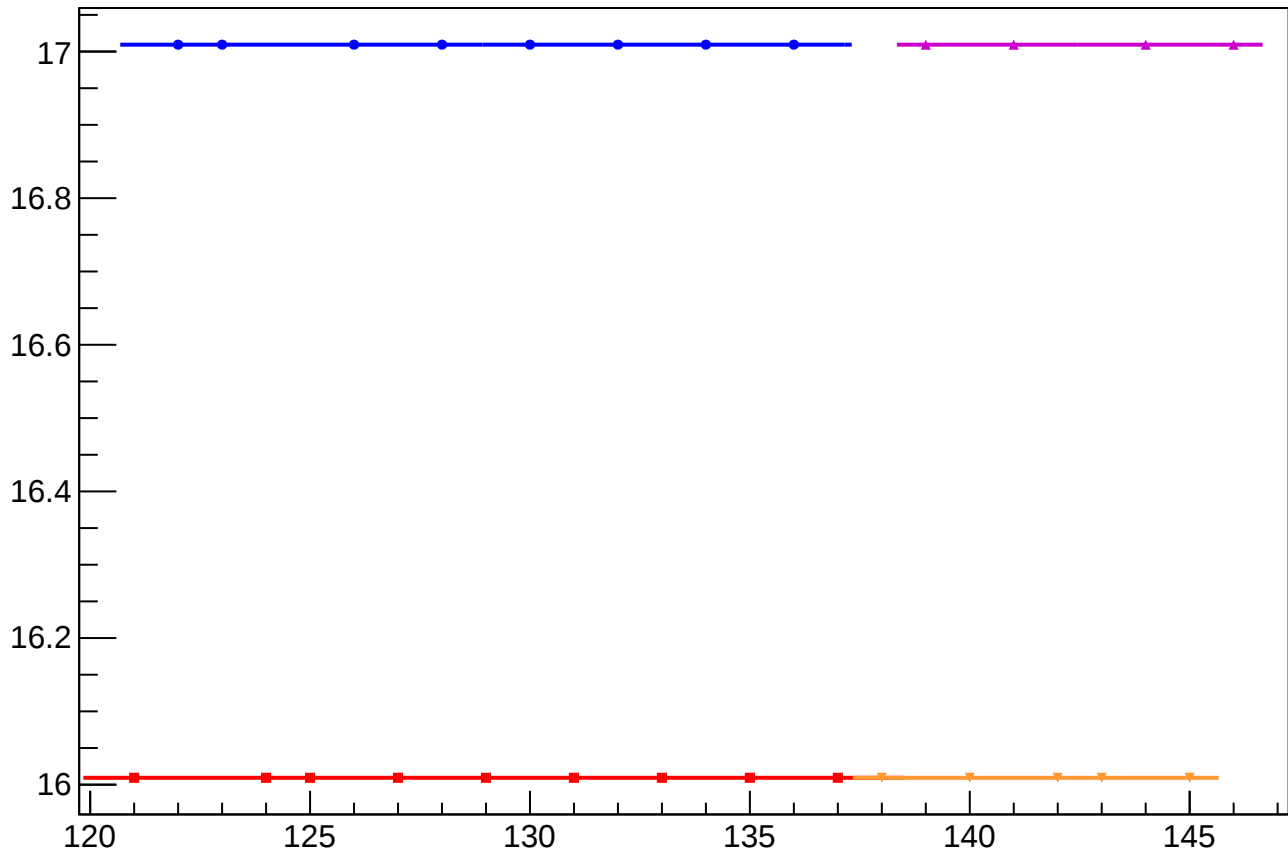
Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 12912.1/3

16.510 $\pm$ 0.000 χ^2/NDF : 158207488049445382

16.502 $\pm$ 0.000 χ^2/NDF : 153175755396507150

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 12028.6/4

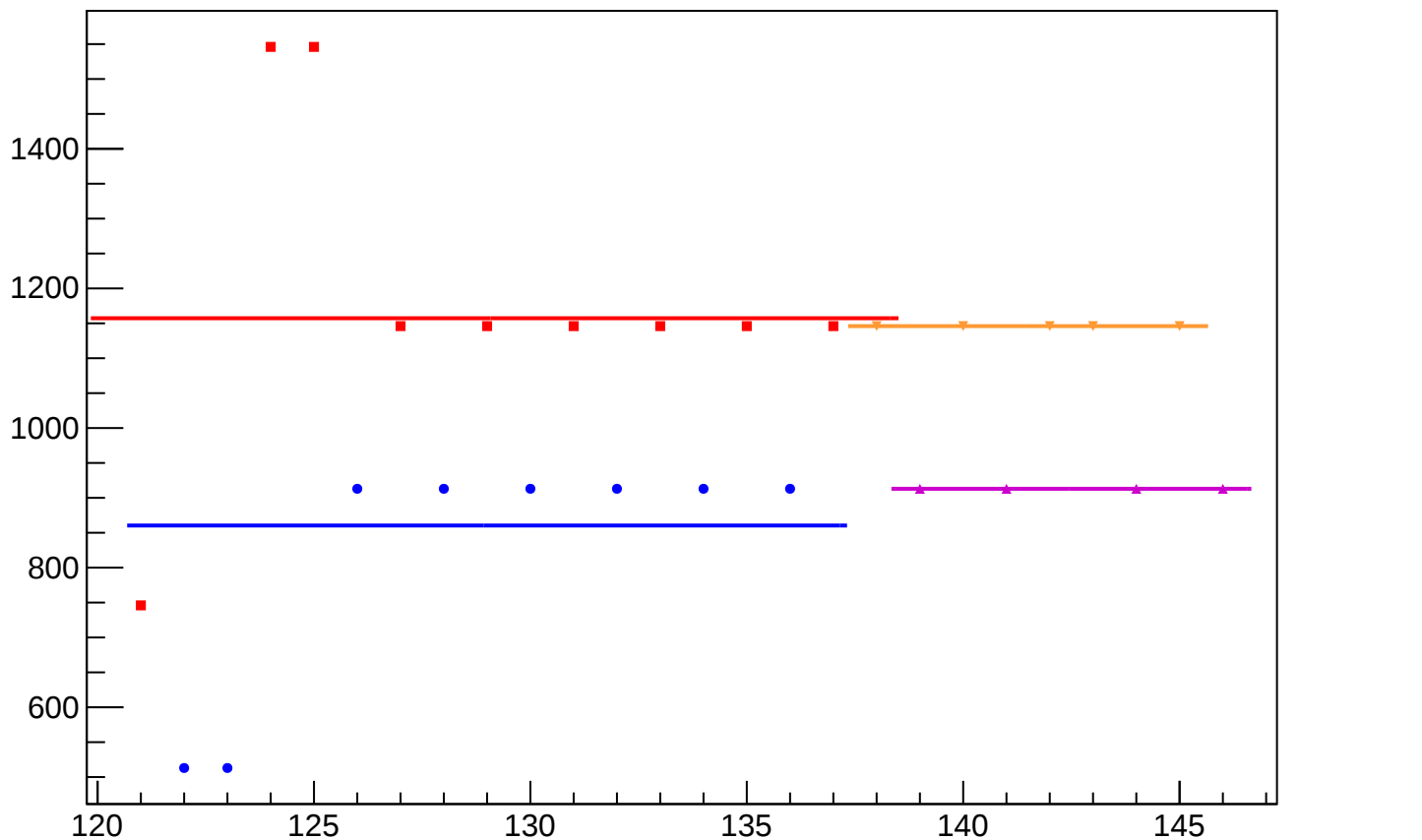
Right Out: 16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: 17.009+/-0.000 χ^2/NDF : 7320.6/3

16.507+/-0.000 χ^2/NDF : 171746724890825009

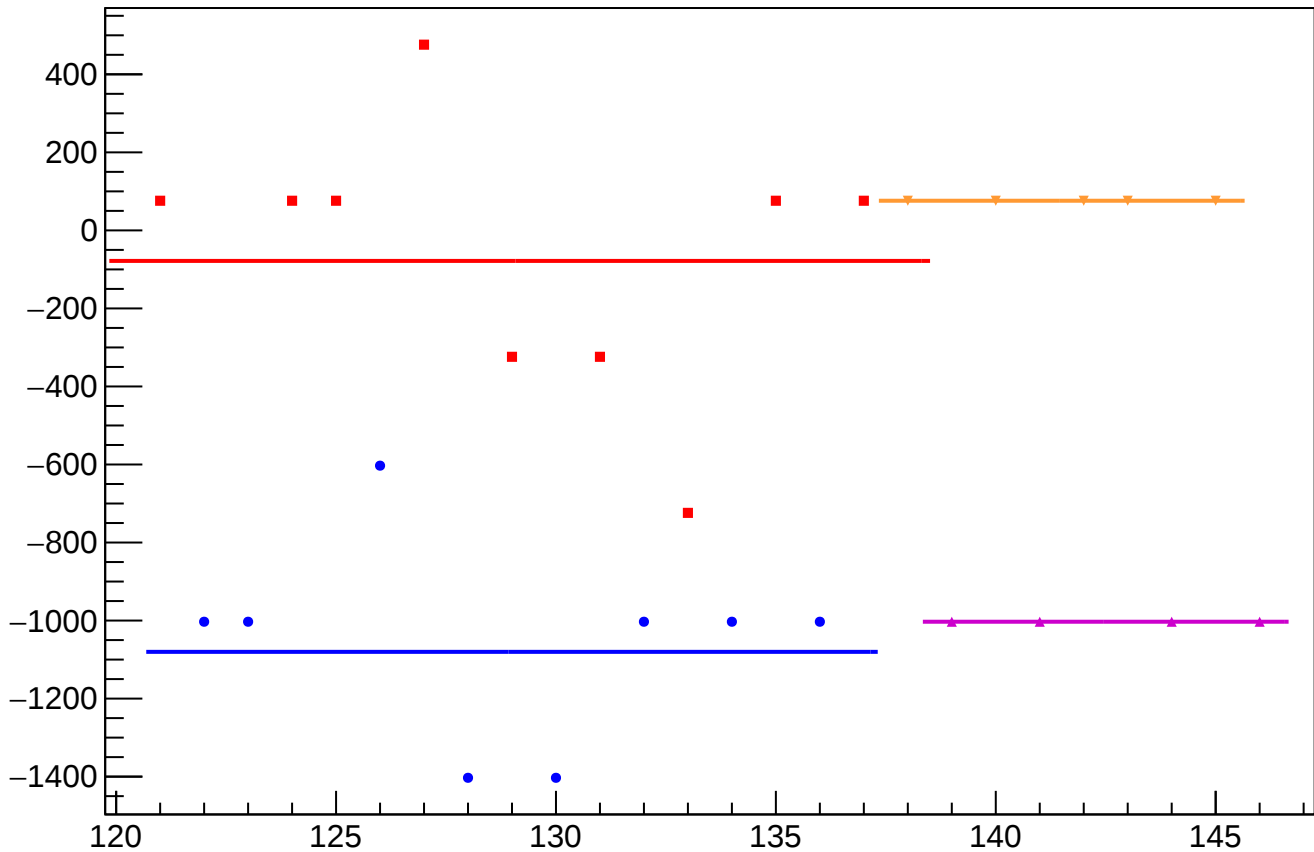
16.519+/-0.000 χ^2/NDF : 162444615384600209

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 : 1493639747406229705957834752.0/4
 Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8
 Left In: 912.995+/-0.000 χ^2/NDF : 7634236529884858571737268224.0/3

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 : 2408772824265677019488976896.0/4

Right Out: -78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: -1002.989+/-0.000 χ^2/NDF : 478413898260055476808974336.0/3