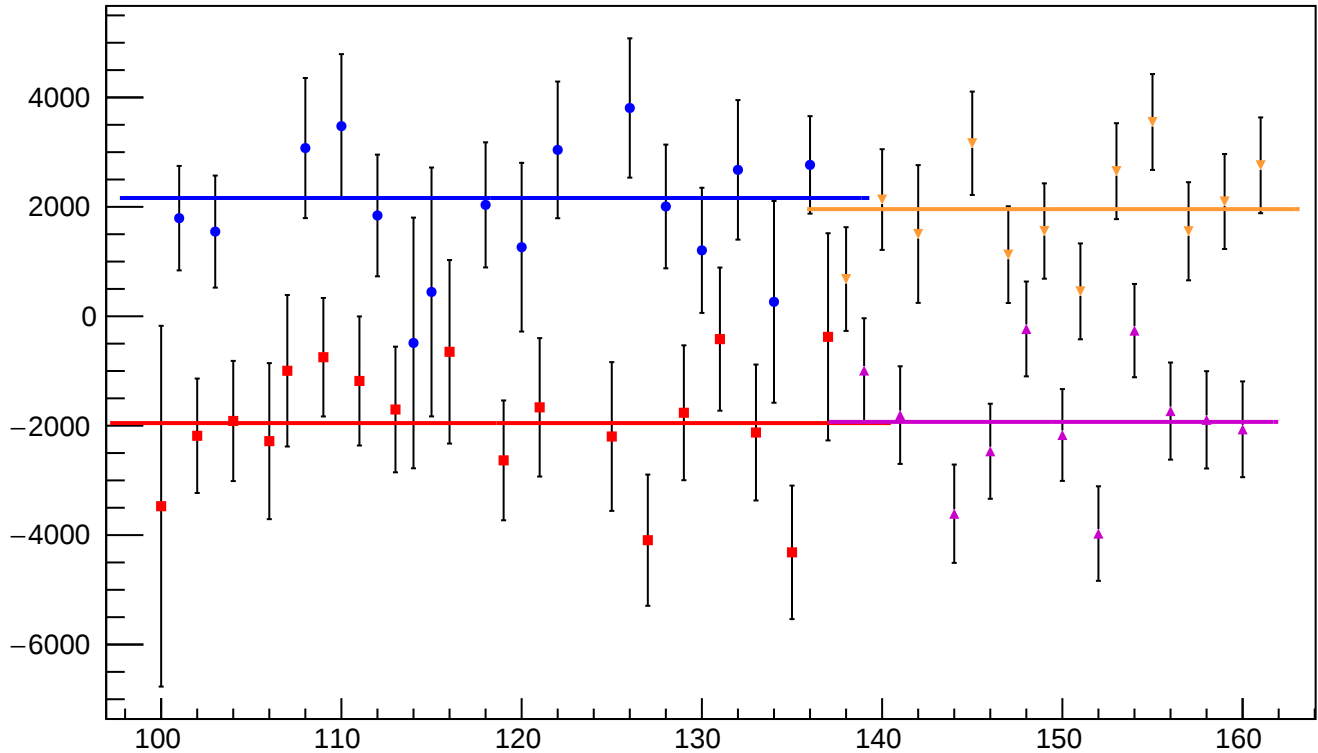


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

2044.952+/-199.953

χ^2/NDF : 21.8/27

Left Out: 1958.793+/-263.312

χ^2/NDF : 12.6/11

Right Out: -1952.148+/-300.581

χ^2/NDF : 12.6/17

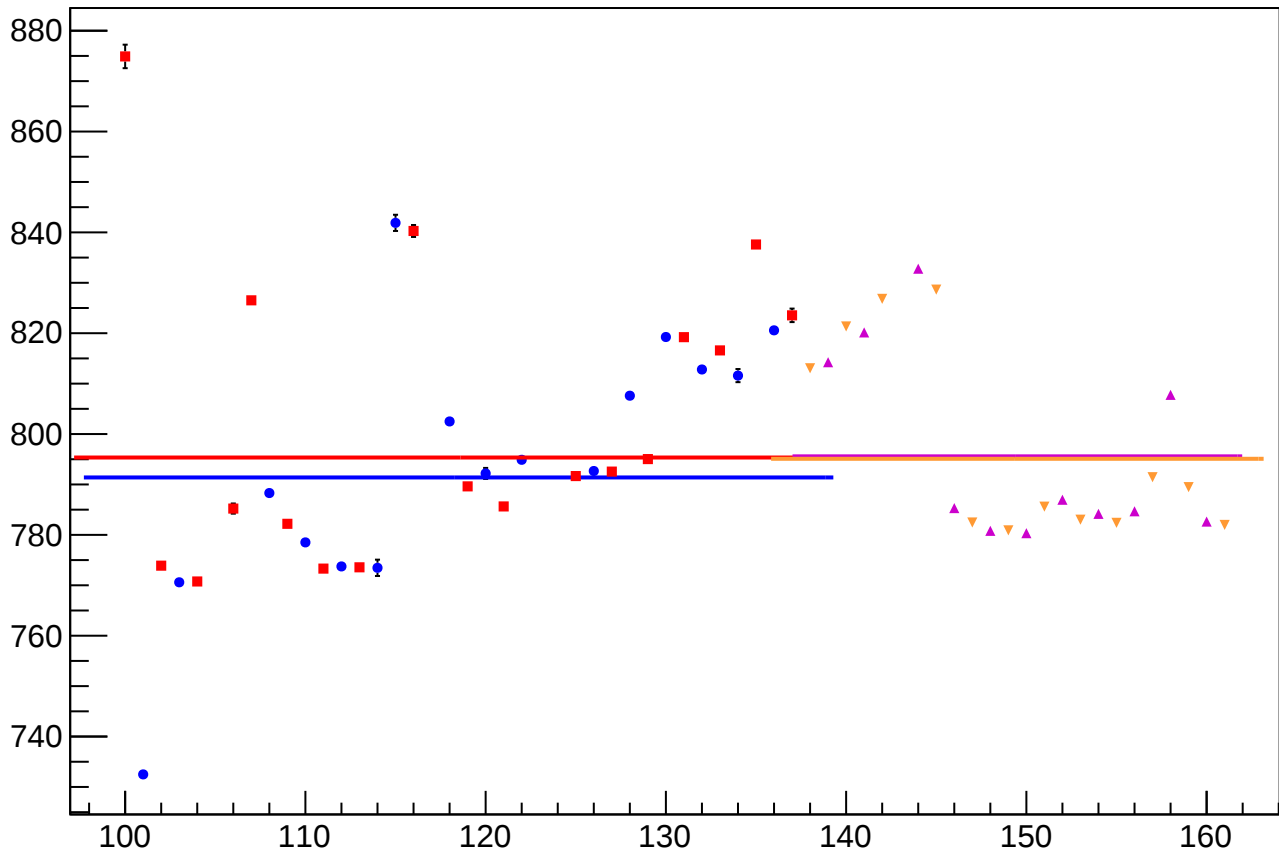
-1939.972+/-198.873

χ^2/NDF : 30.9/28

Left In: -1930.491+/-265.224

χ^2/NDF : 18.3/10

reg_asym_us_avg_rms vs Slug



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

Left Out: 795.091+/-0.186 χ^2/NDF : 8678.1/11

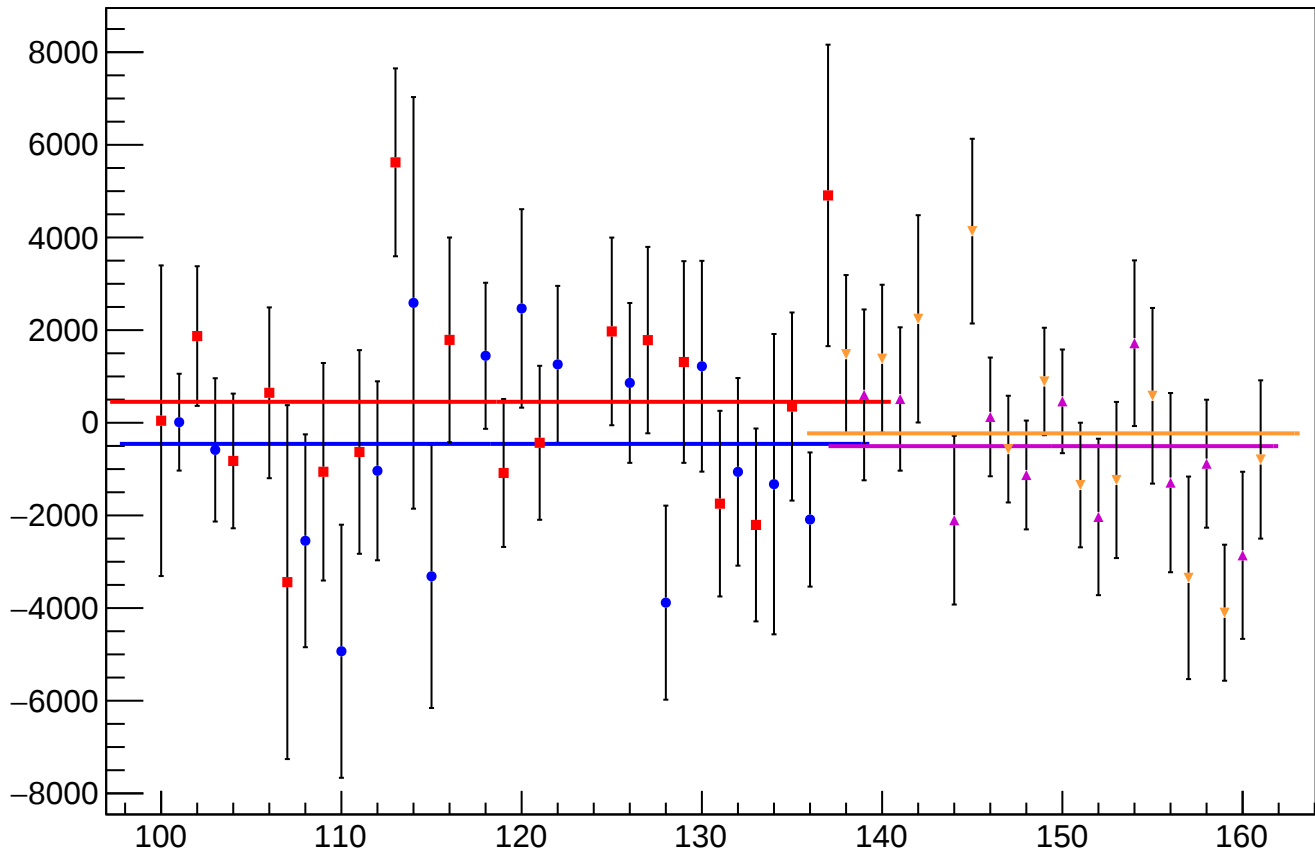
Right Out: 795.345+/-0.213 χ^2/NDF : 11559.8/17

Left In: 795.575+/-0.188 χ^2/NDF : 8900.7/10

793.525+/-0.141 χ^2/NDF : 23853.6/27

795.474+/-0.141 χ^2/NDF : 20461.2/28

asym_us_avg_correction_mean vs Slug



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

Left Out: -228.651+/-452.597 χ^2/NDF : 19.4/11

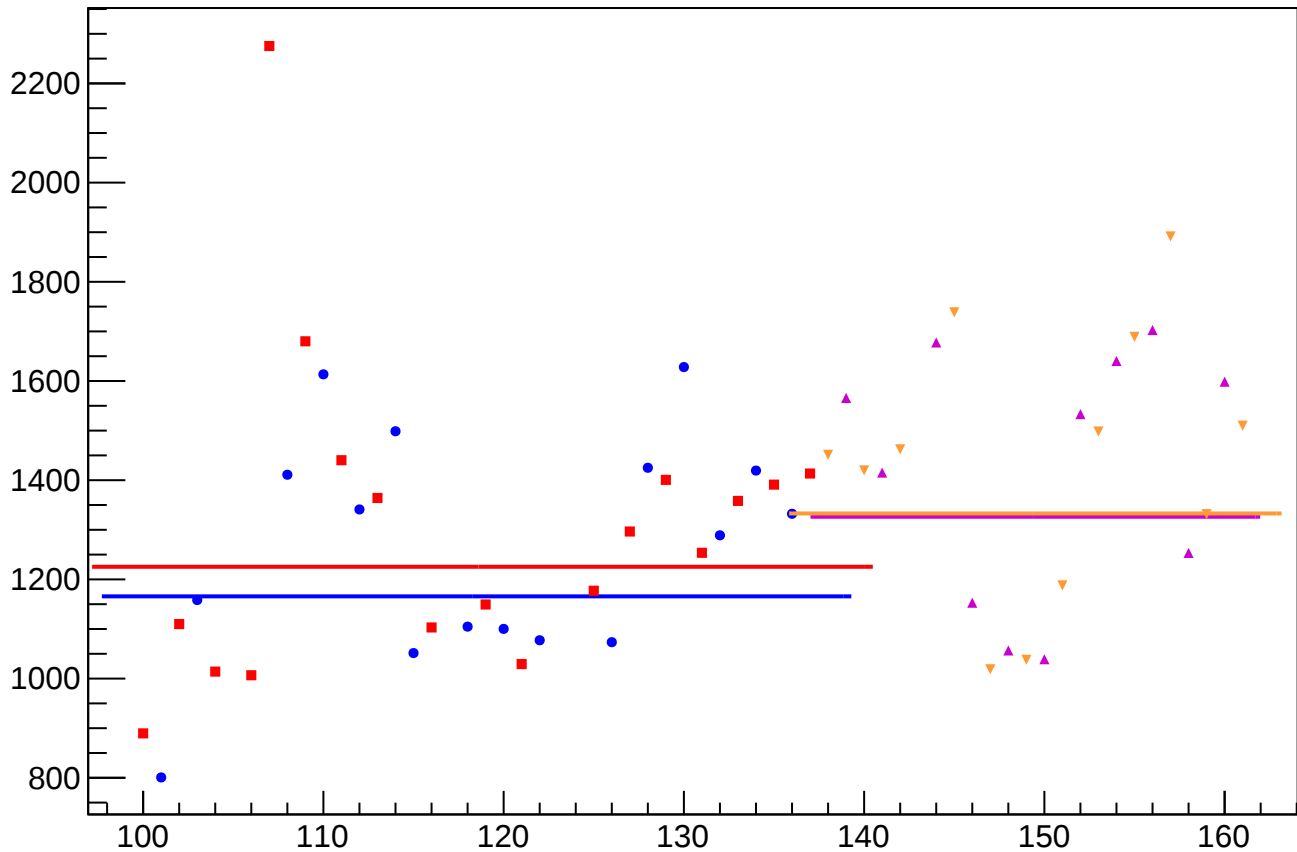
Right Out: 452.644+/-472.760 χ^2/NDF : 17.3/17

Left In: -504.483+/-451.423 χ^2/NDF : 7.1/10

-339.283+/-324.070 χ^2/NDF : 34.4/27

-48.006+/-326.487 χ^2/NDF : 26.6/28

asym_us_avg_correction_rms vs Slug



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

Left Out: 1332.971 $\pm$ 0.320 χ^2 /NDF: 648153.7/11

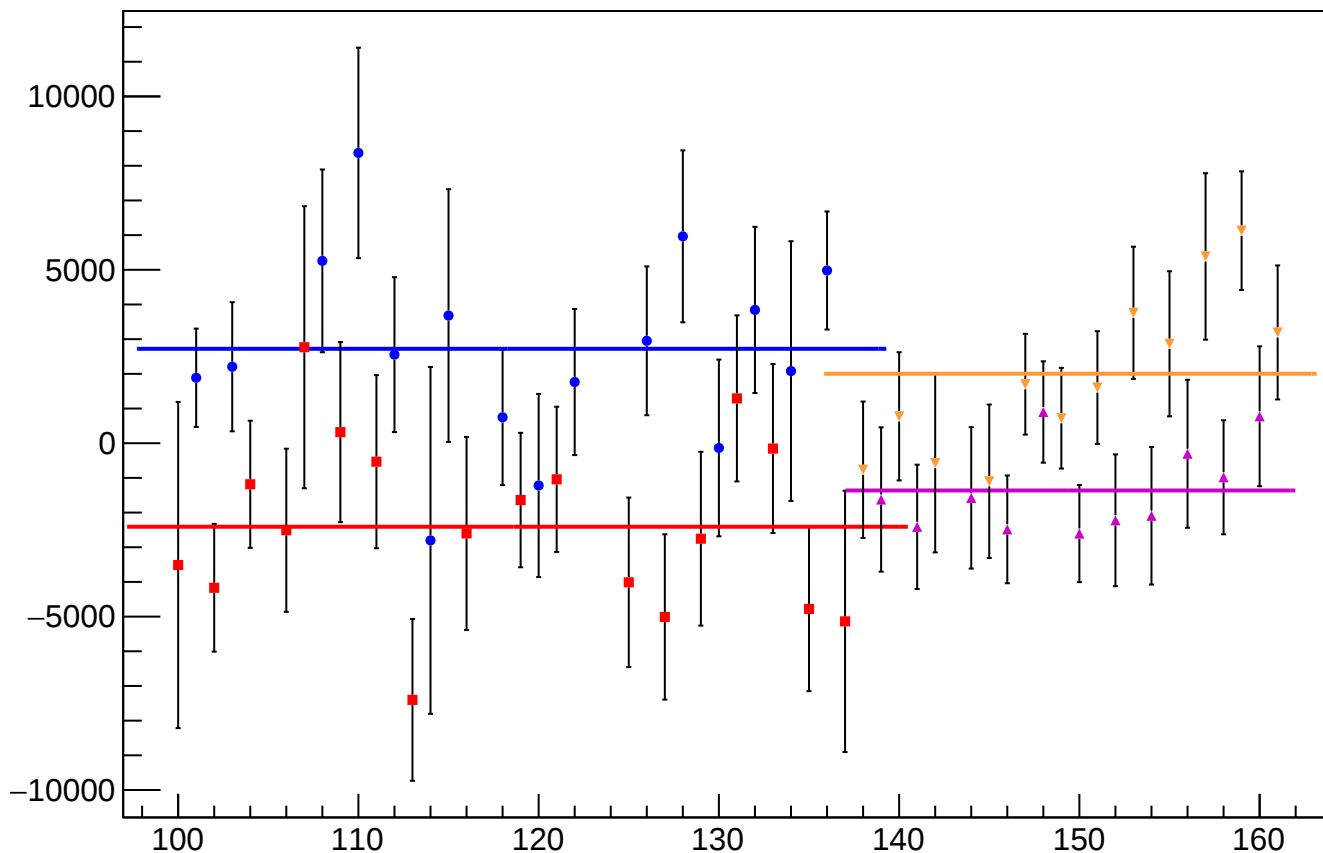
Right Out: 1225.448 $\pm$ 0.334 χ^2 /NDF: 440420.8/17

Left In: 1326.308 $\pm$ 0.319 χ^2 /NDF: 607154.3/10

1251.512 $\pm$ 0.229 χ^2 /NDF: 1307900.3/27

1278.206 $\pm$ 0.231 χ^2 /NDF: 1095190.7/28

asym_us_avg_mean vs Slug



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

Left Out: 2003.184+/-533.006 χ^2/NDF : 15.5/11

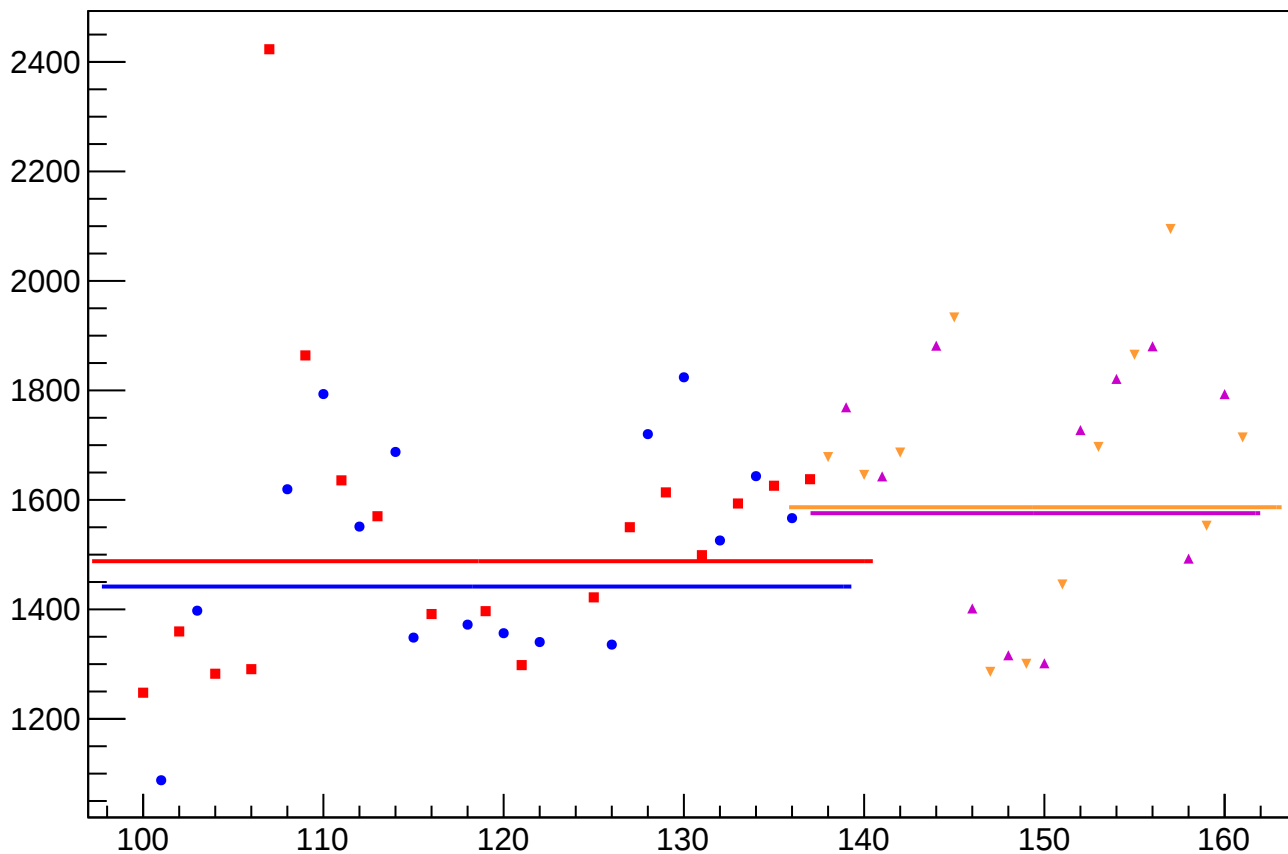
Right Out: -2408.446+/-568.977 χ^2/NDF : 16.3/17

Left In: -1363.163+/-531.442 χ^2/NDF : 5.8/10

2340.447+/-388.403 χ^2/NDF : 30.9/27

-1850.191+/-388.378 χ^2/NDF : 23.9/28

asym_us_avg_rms vs Slug



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

Left Out: 1586.606+/-0.377 χ^2 /NDF: 378103.1/11

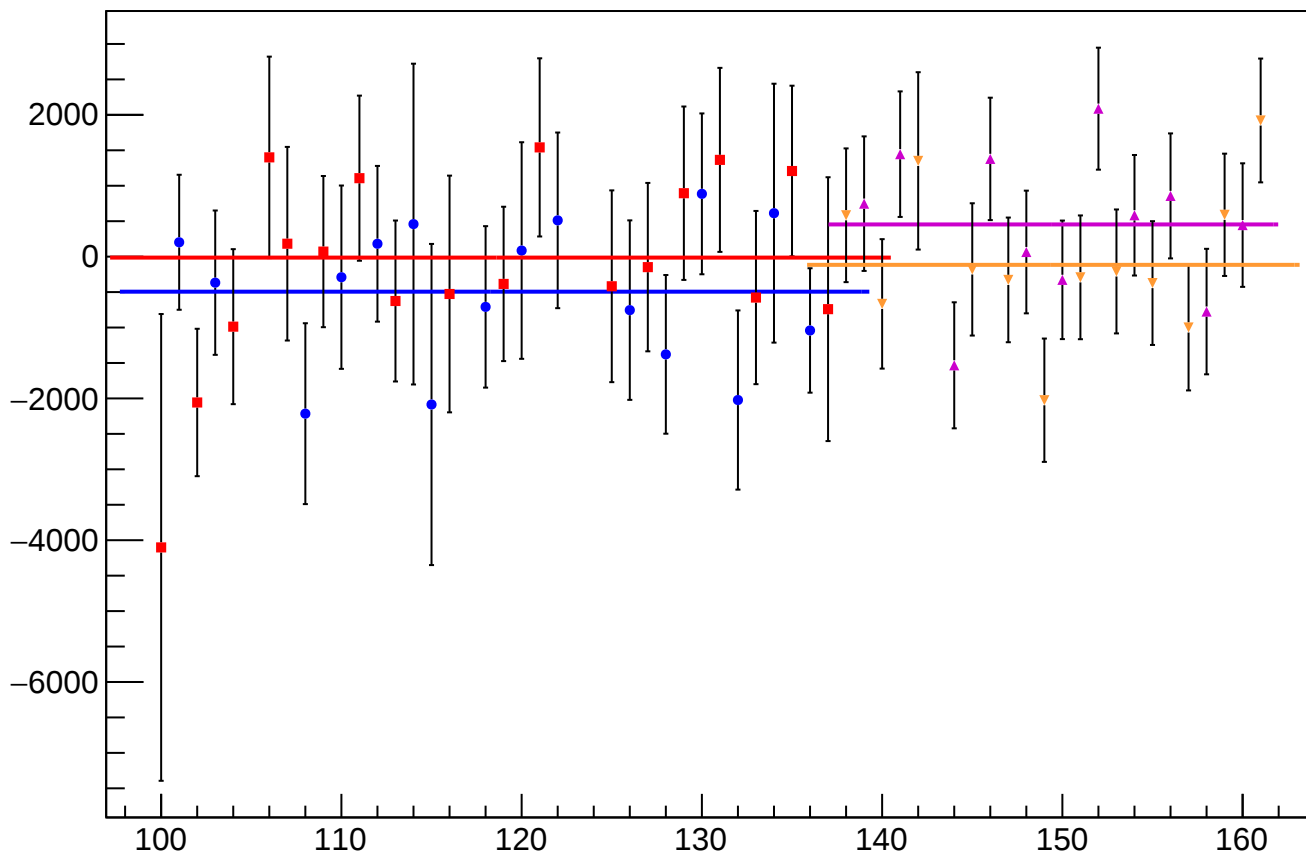
Right Out: 1488.026+/-0.402 χ^2 /NDF: 256140.4/17

Left In: 1575.737+/-0.376 χ^2 /NDF: 342470.4/10

1518.656+/-0.275 χ^2 /NDF: 723313.6/27

1534.870+/-0.275 χ^2 /NDF: 623994.3/28

reg_asym_us_dd_mean vs Slug



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

Left Out: -115.764+/-261.864 χ^2/NDF : 14.4/11

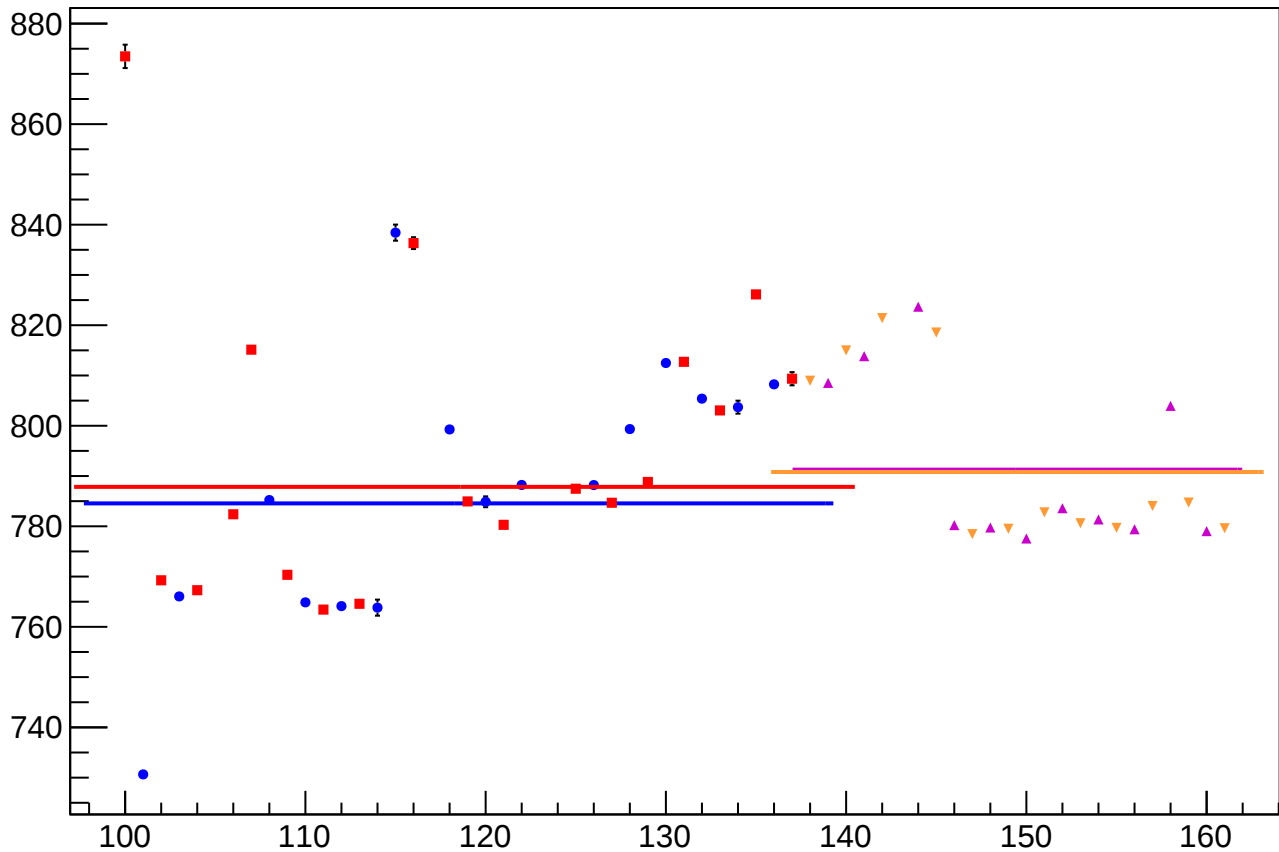
Right Out: -13.512+/-297.736 χ^2/NDF : 13.4/17

Left In: 454.316+/-263.772 χ^2/NDF : 14.3/10

-276.577+/-198.583 χ^2/NDF : 23.9/27

248.597+/-197.436 χ^2/NDF : 29.1/28

reg_asym_us_dd_rms vs Slug



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

Left Out: 790.806+/-0.185 χ^2/NDF : 7151.9/11

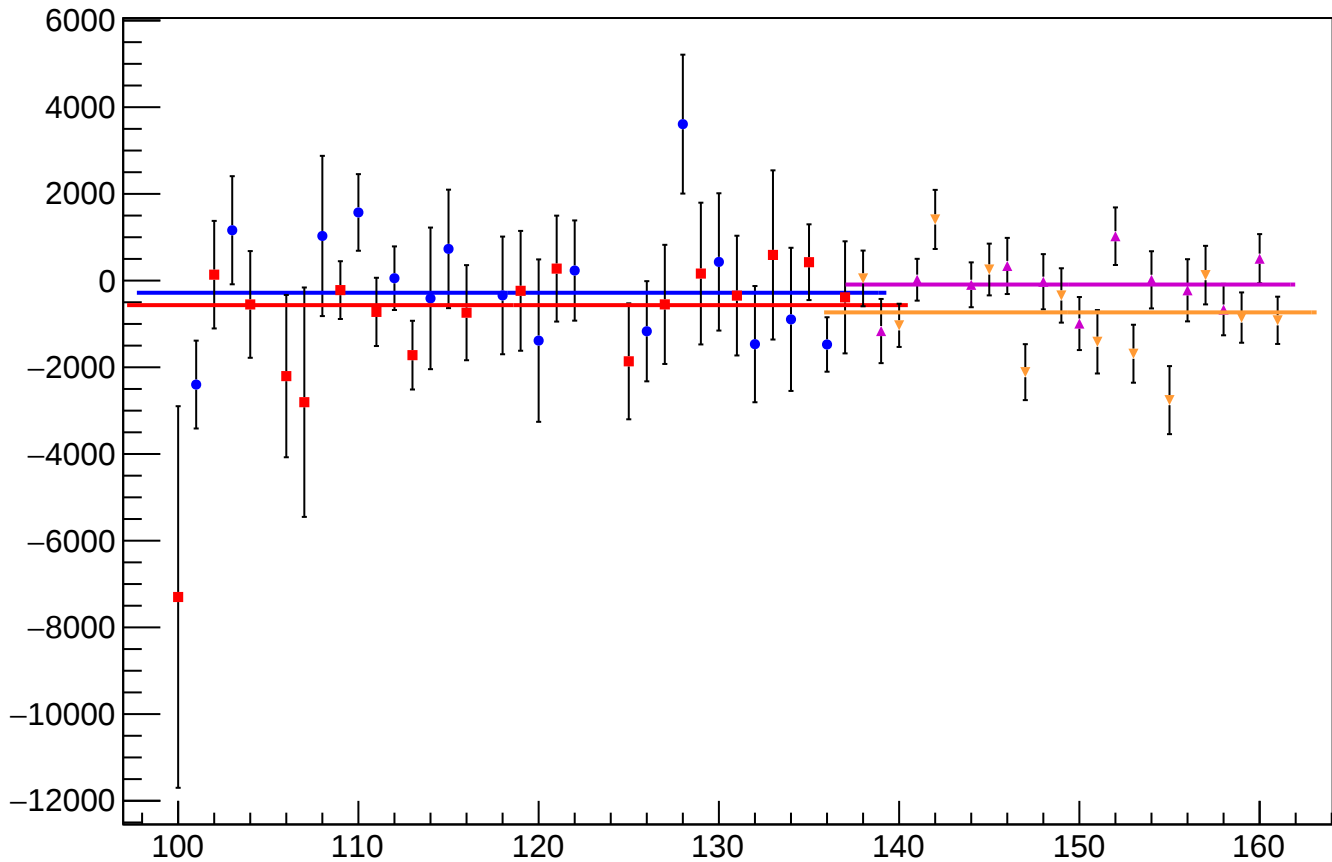
Right Out: 787.844+/-0.211 χ^2/NDF : 10909.0/17

Left In: 791.269+/-0.187 χ^2/NDF : 7434.4/10

788.151+/-0.140 χ^2/NDF : 21313.4/27

789.763+/-0.140 χ^2/NDF : 18491.7/28

asym_us_dd_correction_mean vs Slug



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

Left Out: -733.401 ± 180.768 χ^2/NDF : 30.8/11

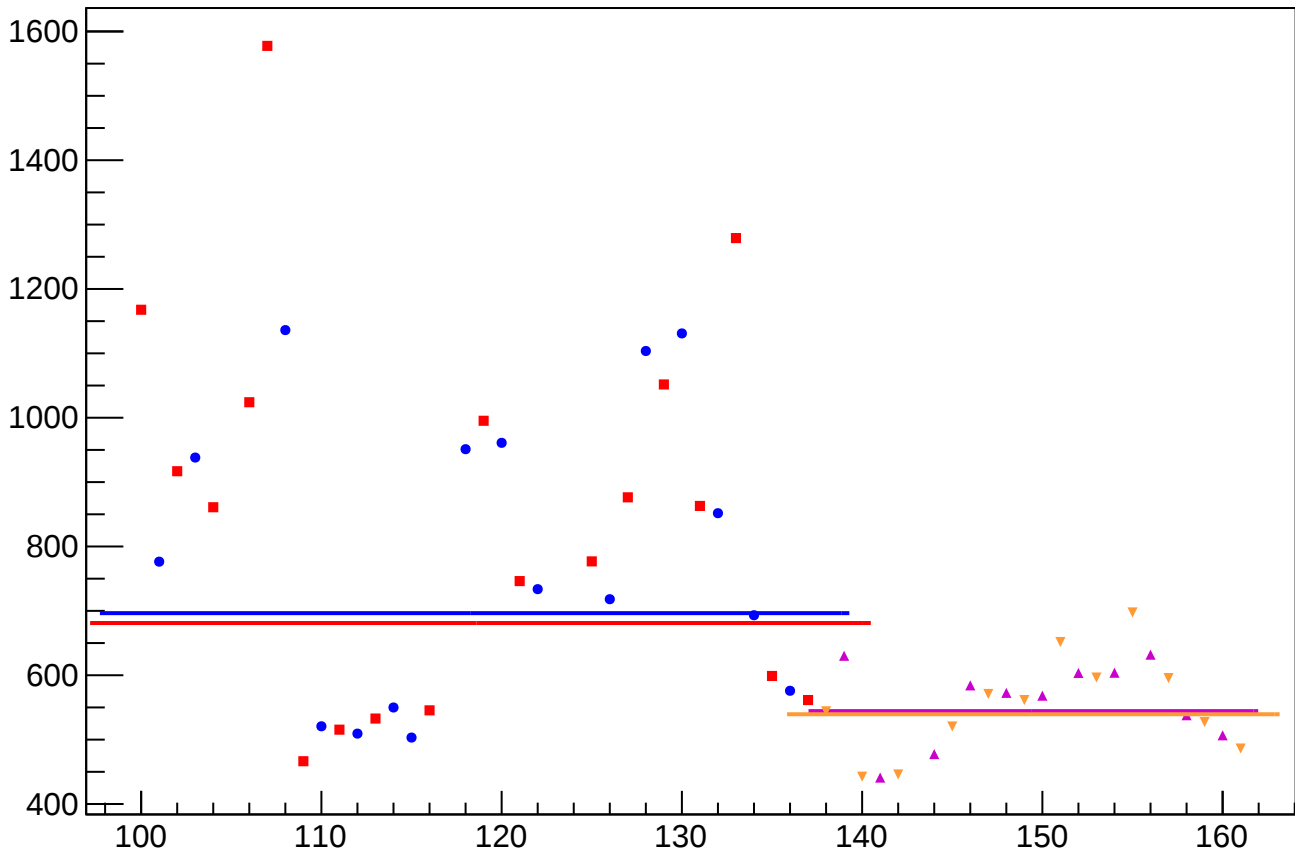
Right Out: -566.224 ± 272.883 χ^2/NDF : 9.9/17

Left In: -91.037 ± 183.050 χ^2/NDF : 9.7/10

-601.870 ± 152.263 χ^2/NDF : 55.7/27

-238.503 ± 152.016 χ^2/NDF : 21.7/28

asym_us_dd_correction_rms vs Slug



Right In: 696.462 ± 0.200 $\chi^2/\text{NDF}: 959490.0/15$

Left Out: 539.403 ± 0.128 $\chi^2/\text{NDF}: 299227.1/11$

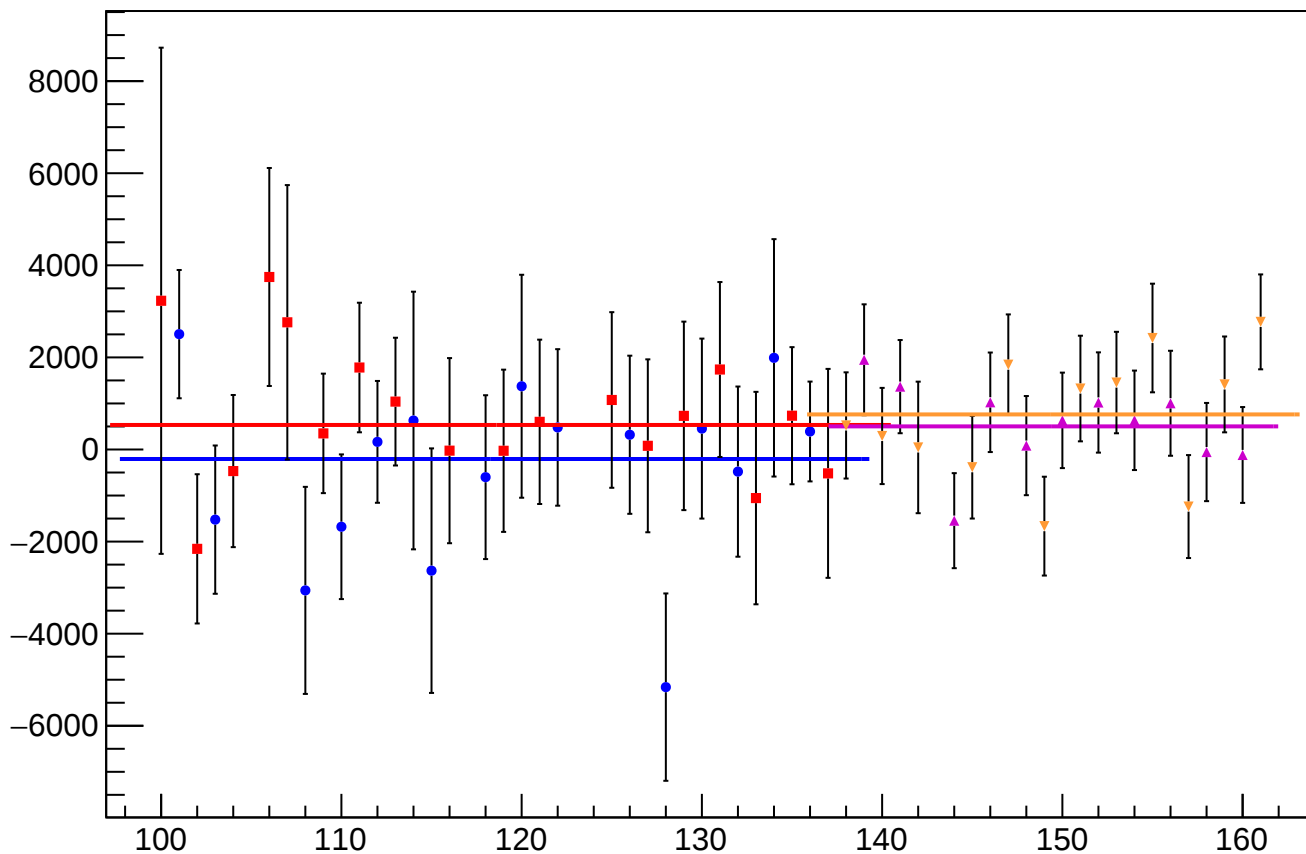
585.029 ± 0.108 $\chi^2/\text{NDF}: 1697314.5/27$

Right Out: 681.127 ± 0.193 $\chi^2/\text{NDF}: 1352555.6/17$

586.757 ± 0.107 $\chi^2/\text{NDF}: 1937134.7/28$

Left In: 544.294 ± 0.129 $\chi^2/\text{NDF}: 237764.9/10$

asym_us_dd_mean vs Slug



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

Left Out: 761.817 ± 322.116 χ^2/NDF : 17.7/11

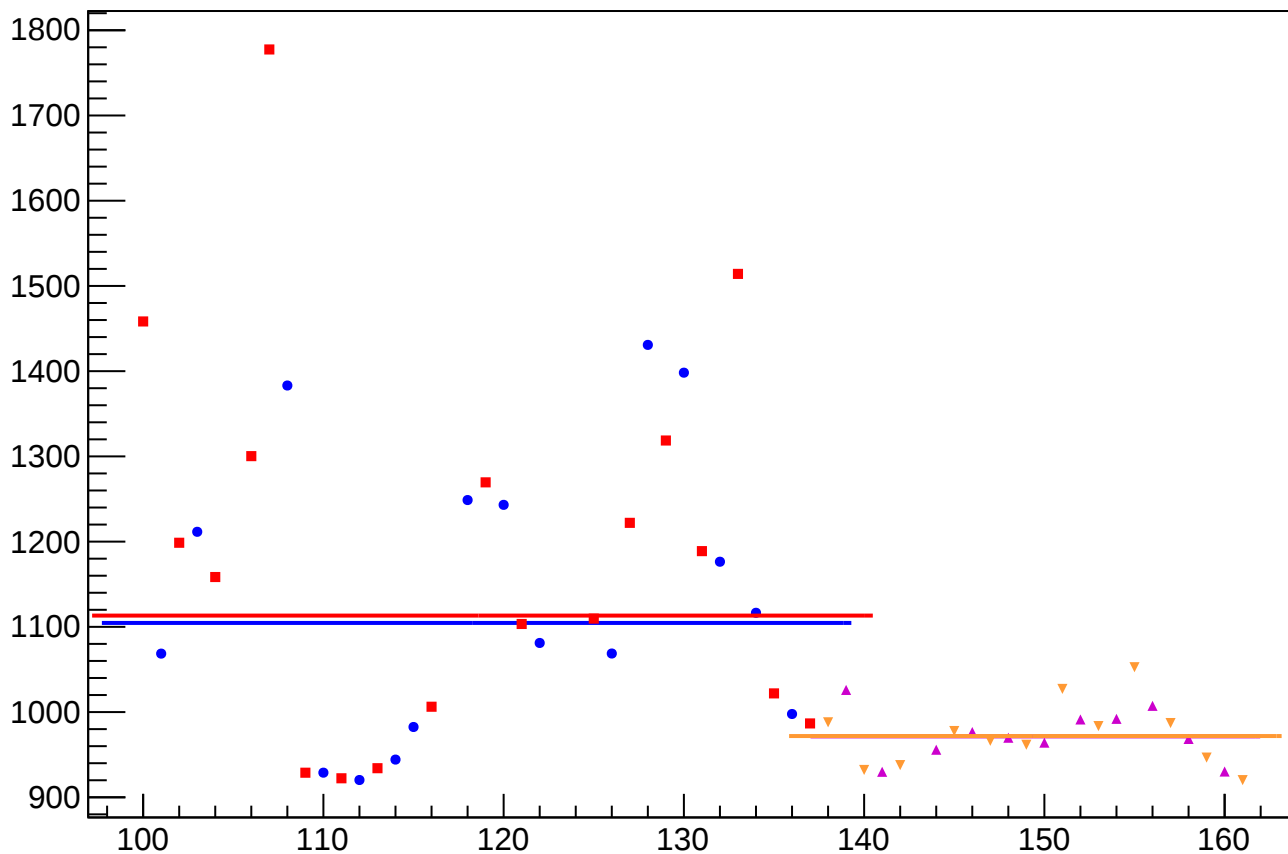
Right Out: 532.837 ± 427.128 χ^2/NDF : 8.1/17

Left In: 501.967 ± 323.992 χ^2/NDF : 7.6/10

417.682 ± 258.610 χ^2/NDF : 36.6/27

513.242 ± 258.132 χ^2/NDF : 15.7/28

asym_us_dd_rms vs Slug



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

Left Out: 971.872 $\pm$ 0.228 χ^2 /NDF: 25556.0/11

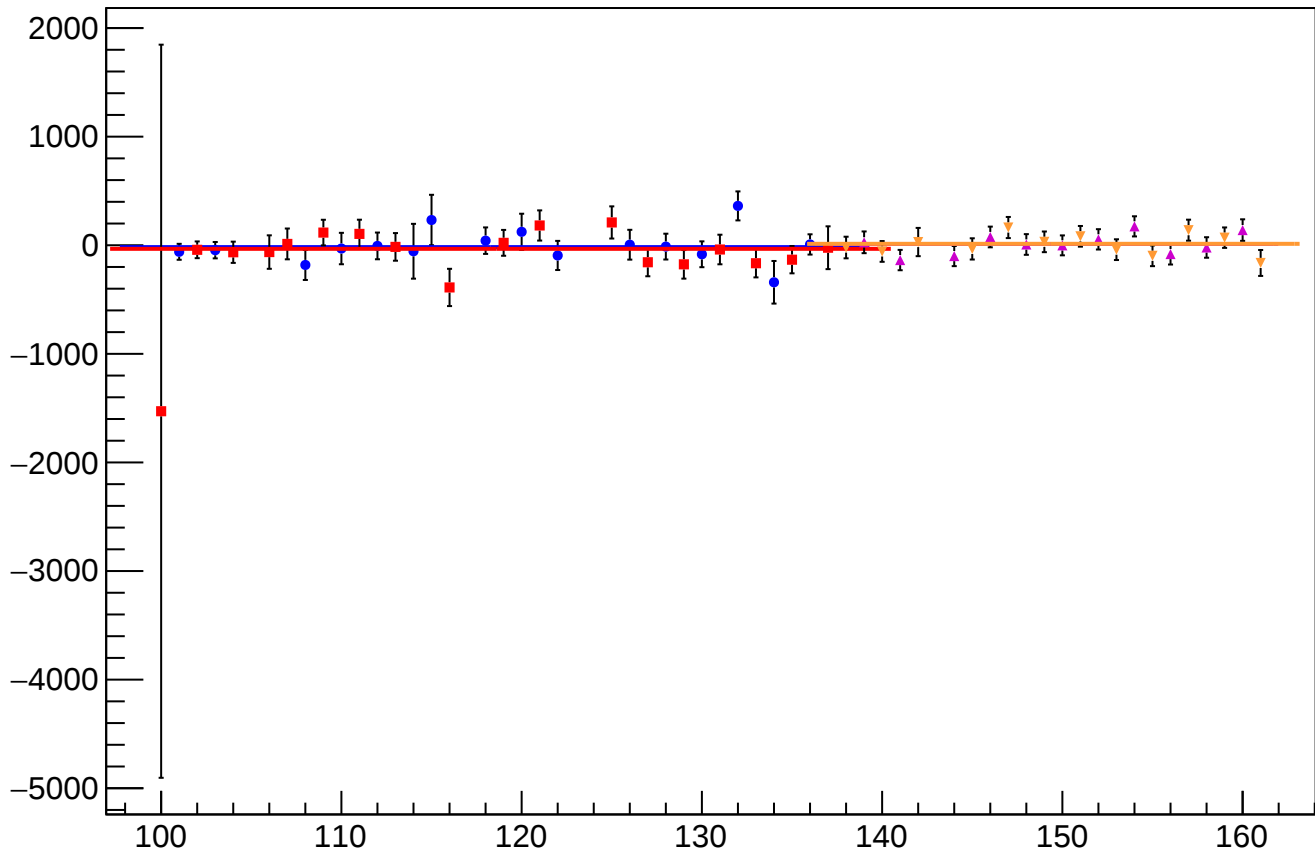
Right Out: 1113.215 $\pm$ 0.302 χ^2 /NDF: 362982.2/17

Left In: 971.465 $\pm$ 0.229 χ^2 /NDF: 14601.6/10

1019.047 $\pm$ 0.183 χ^2 /NDF: 401733.1/27

1023.237 $\pm$ 0.183 χ^2 /NDF: 517405.5/28

reg_asym_ds_avg_mean vs Slug



Right In: -17.236 $\pm$ 29.988 χ^2 /NDF: 15.6/15

Left Out: 13.081 $\pm$ 28.749 χ^2 /NDF: 9.7/11

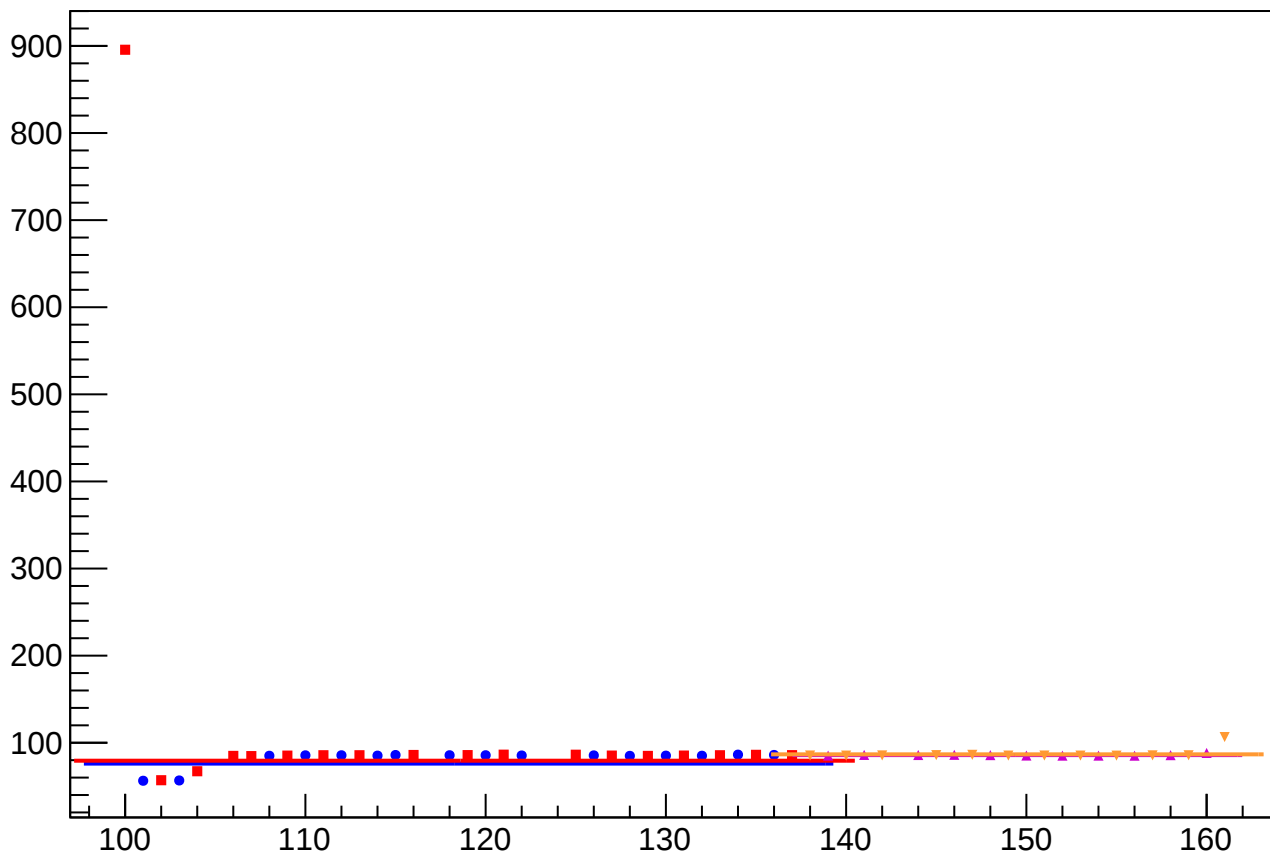
Right Out: -32.892 $\pm$ 30.446 χ^2 /NDF: 16.5/17

Left In: 11.646 $\pm$ 28.617 χ^2 /NDF: 10.4/10

-1.439 $\pm$ 20.753 χ^2 /NDF: 25.8/27

-9.244 $\pm$ 20.852 χ^2 /NDF: 28.1/28

reg_asym_ds_avg_rms vs Slug



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

Left Out: 86.692+/-0.020 χ^2 /NDF: 58839.7/11

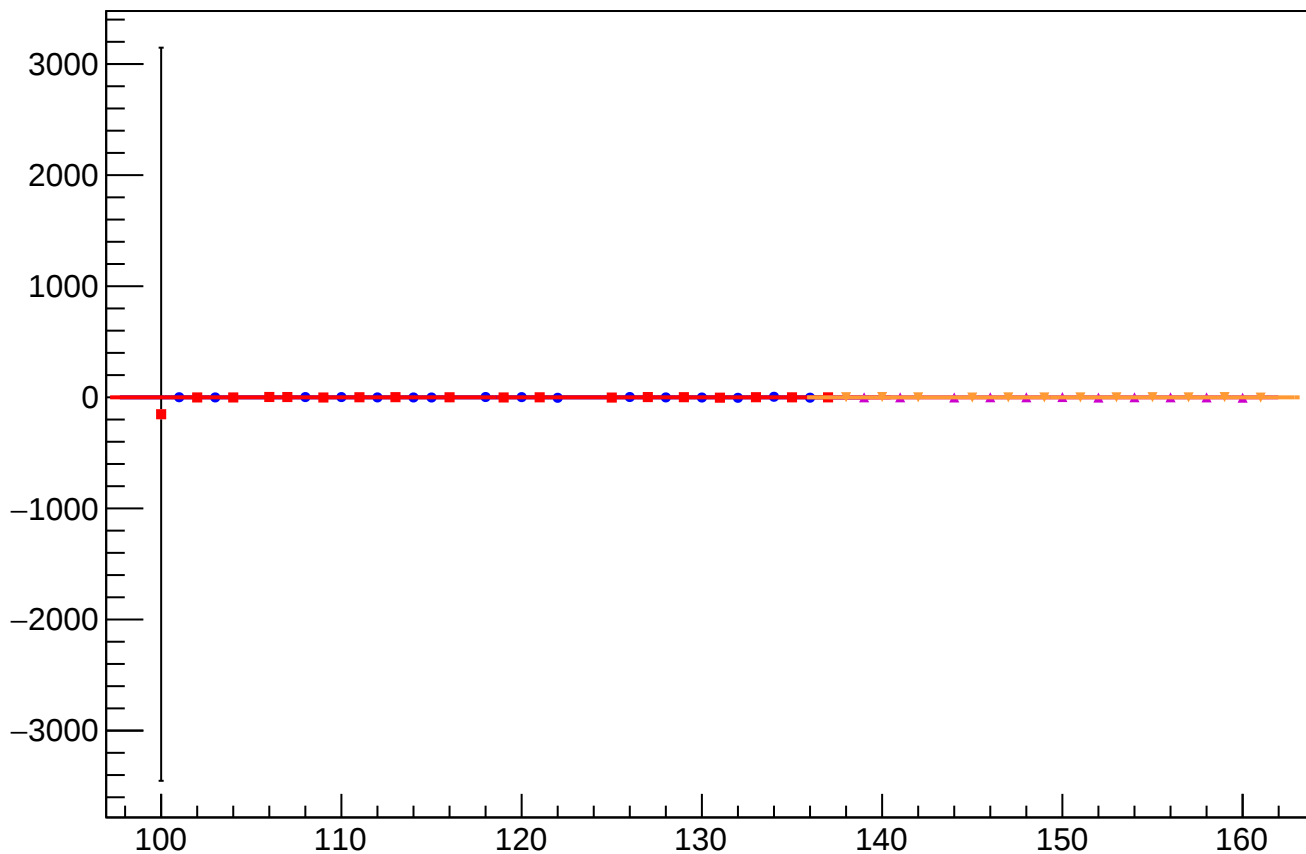
Right Out: 79.390+/-0.022 χ^2 /NDF: 378526.1/17

Left In: 85.823+/-0.020 χ^2 /NDF: 1684.3/10

81.609+/-0.015 χ^2 /NDF: 598536.6/27

82.806+/-0.015 χ^2 /NDF: 427620.7/28

asym_ds_avg_correction_mean vs Slug



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

Left Out: -0.250+/-0.479 χ^2 /NDF: 8.4/11

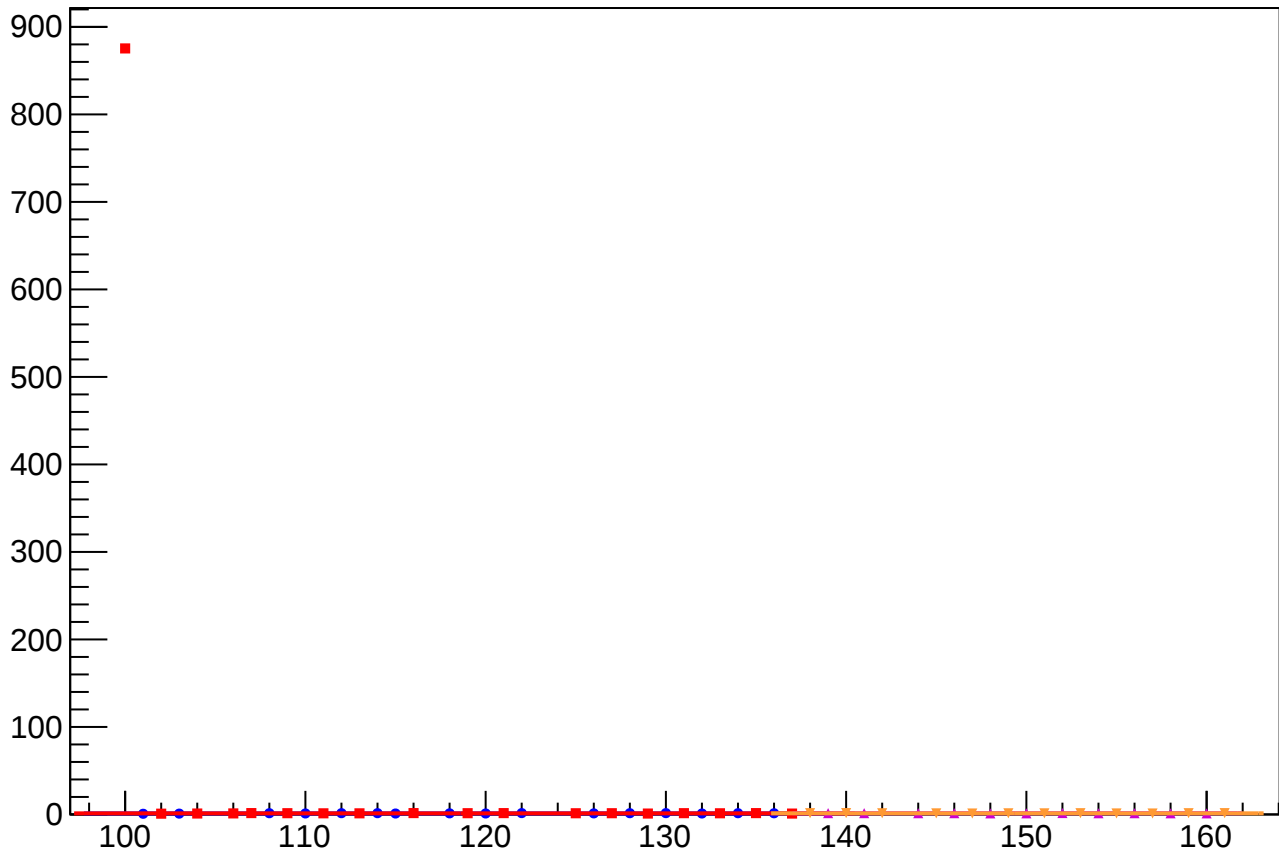
Right Out: -0.078+/-0.521 χ^2 /NDF: 9.0/17

Left In: -0.080+/-0.504 χ^2 /NDF: 9.5/10

-0.265+/-0.346 χ^2 /NDF: 29.6/27

-0.079+/-0.362 χ^2 /NDF: 18.5/28

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.297 $\pm$ 0.000 χ^2 /NDF:210166.2/11

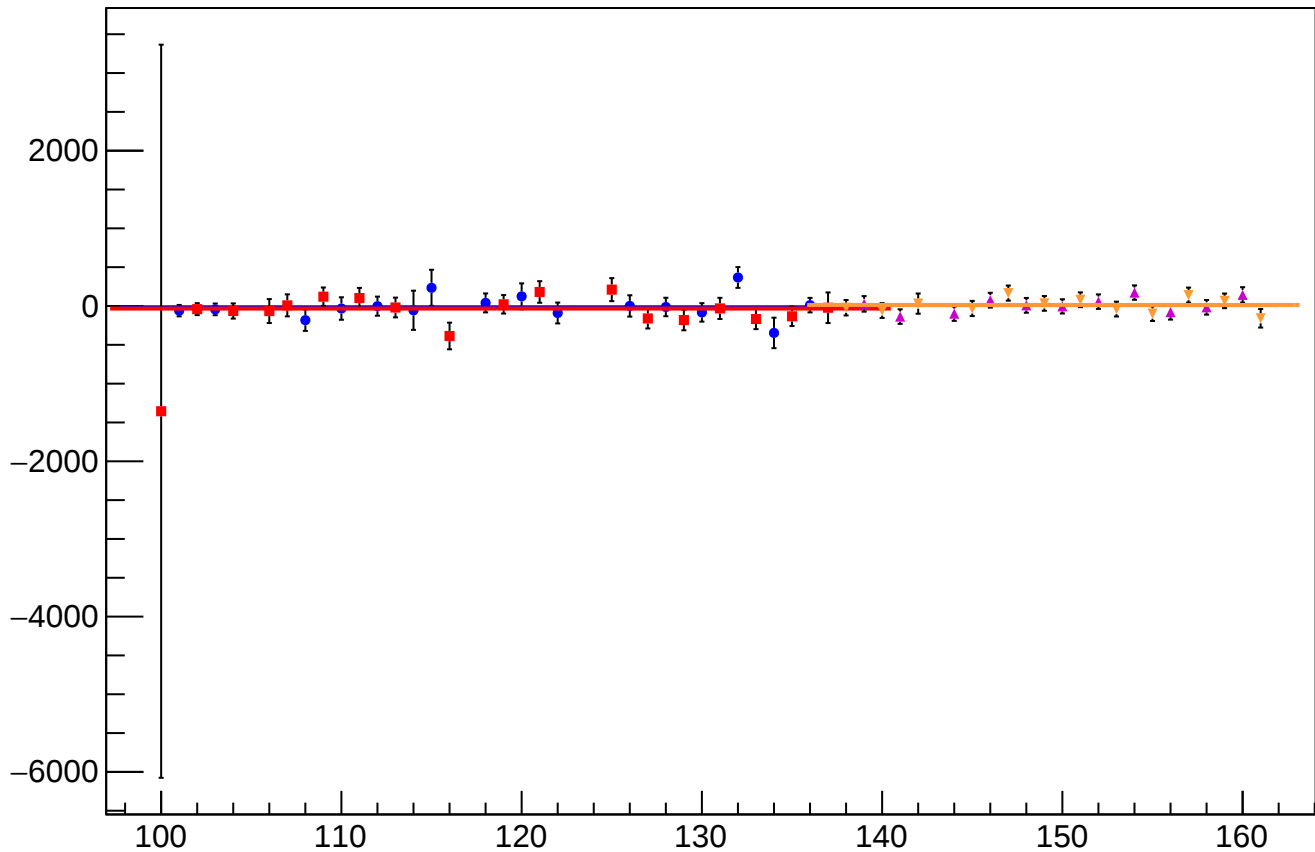
Right Out: 1.247 $\pm$ 0.000 χ^2 /NDF: 517130.7/17

Left In: 1.390 $\pm$ 0.000 χ^2 /NDF:97716.4/10

1.228 $\pm$ 0.000 χ^2 /NDF: 811743.6/27

1.321 $\pm$ 0.000 χ^2 /NDF: 692780.3/28

asym_ds_avg_mean vs Slug



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

Left Out: 13.383 ± 28.757 χ^2/NDF : 9.7/11

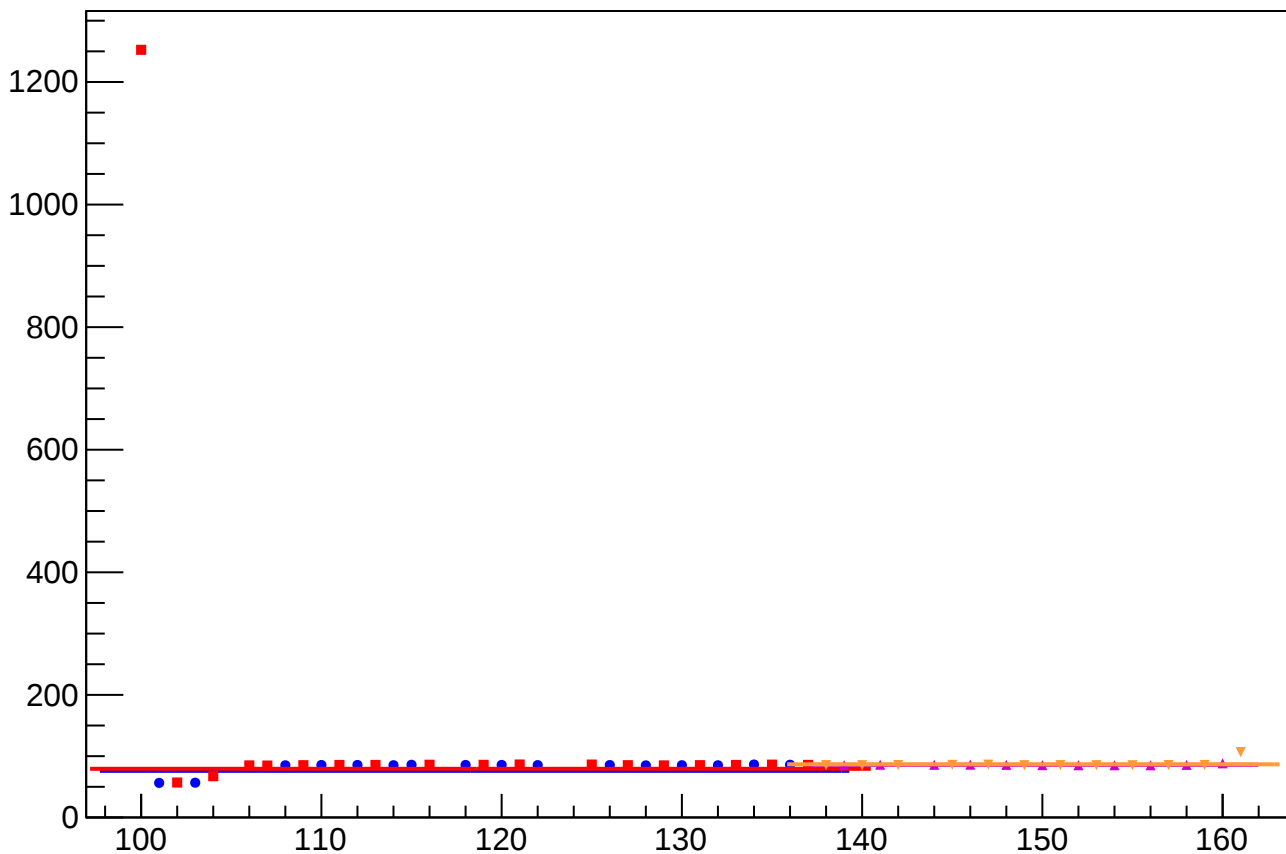
Right Out: -33.114 ± 30.455 χ^2/NDF : 16.5/17

Left In: 12.207 ± 28.625 χ^2/NDF : 10.4/10

-0.838 ± 20.758 χ^2/NDF : 26.1/27

-9.051 ± 20.858 χ^2/NDF : 28.1/28

asym_ds_avg_rms vs Slug



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

Left Out: 86.715+/-0.020 χ^2/NDF : 58877.1/11

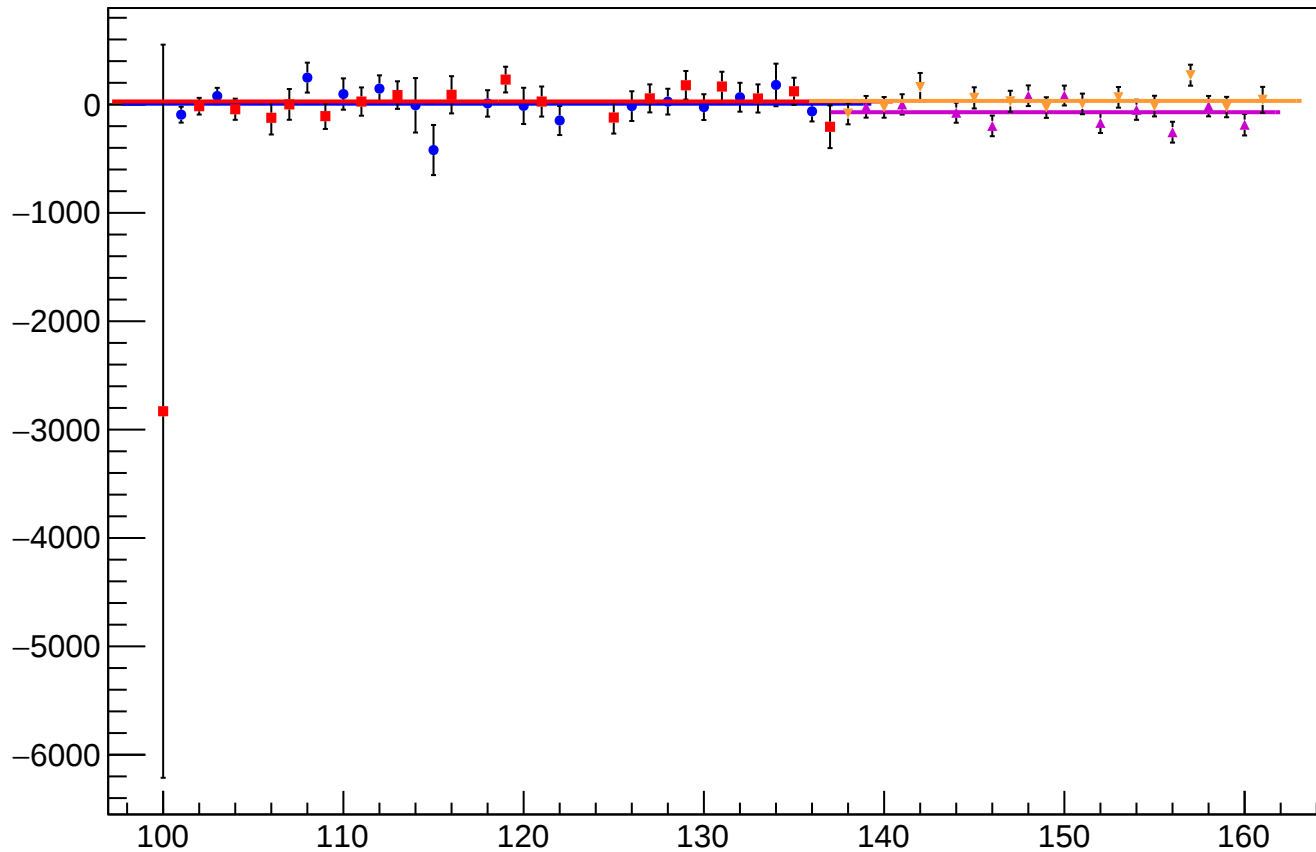
Right Out: 79.393+/-0.022 χ^2/NDF : 385048.8/17

Left In: 85.846+/-0.020 χ^2/NDF : 1687.0/10

81.631+/-0.015 χ^2/NDF : 598611.1/27

82.820+/-0.015 χ^2/NDF : 434415.9/28

reg_asym_ds_dd_mean vs Slug



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

Left Out: 32.959 ± 28.749 χ^2/NDF : 10.0/11

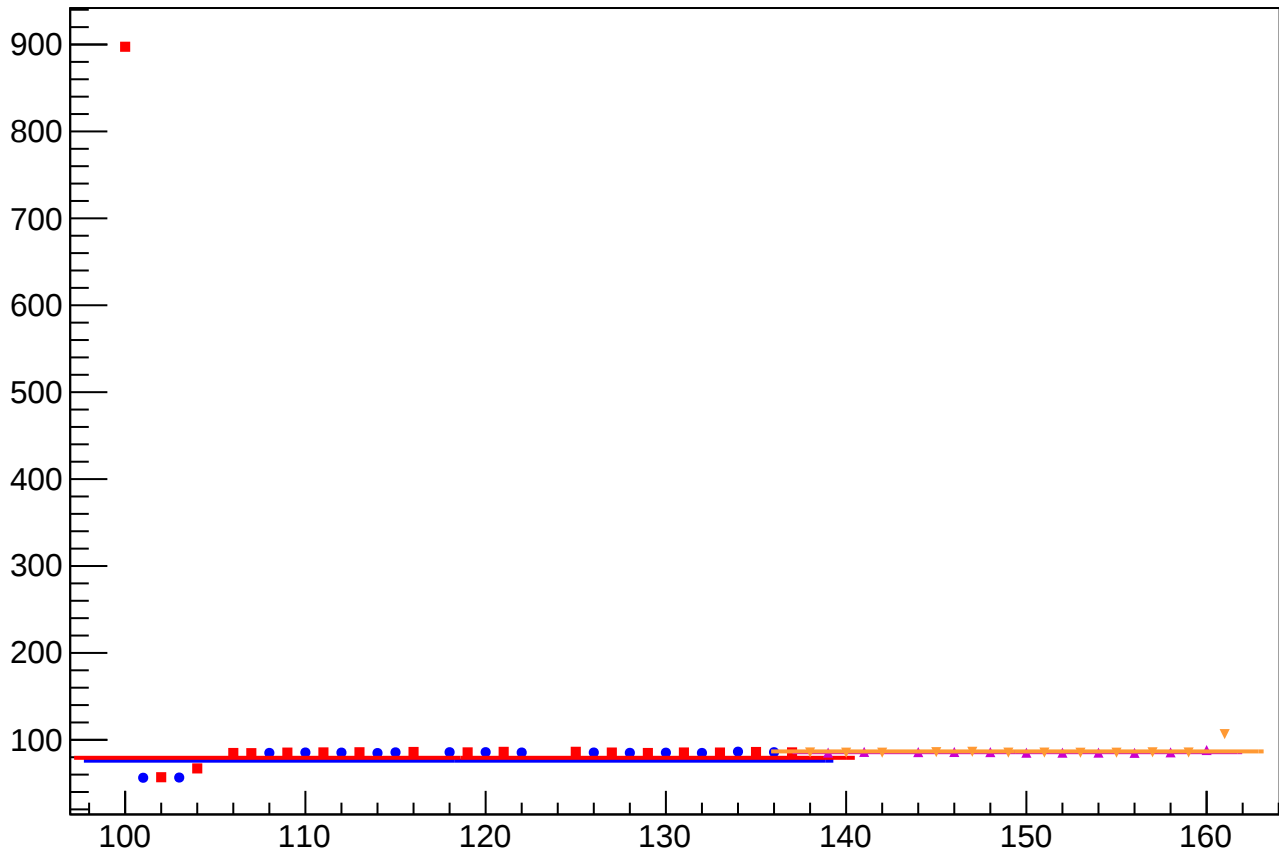
Right Out: 27.920 ± 30.428 χ^2/NDF : 12.5/17

Left In: -71.338 ± 28.612 χ^2/NDF : 14.5/10

20.739 ± 20.746 χ^2/NDF : 24.3/27

-24.759 ± 20.844 χ^2/NDF : 32.6/28

reg_asym_ds_dd_rms vs Slug



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

Left Out: 86.692 $\pm$ 0.020 χ^2 /NDF: 59019.9/11

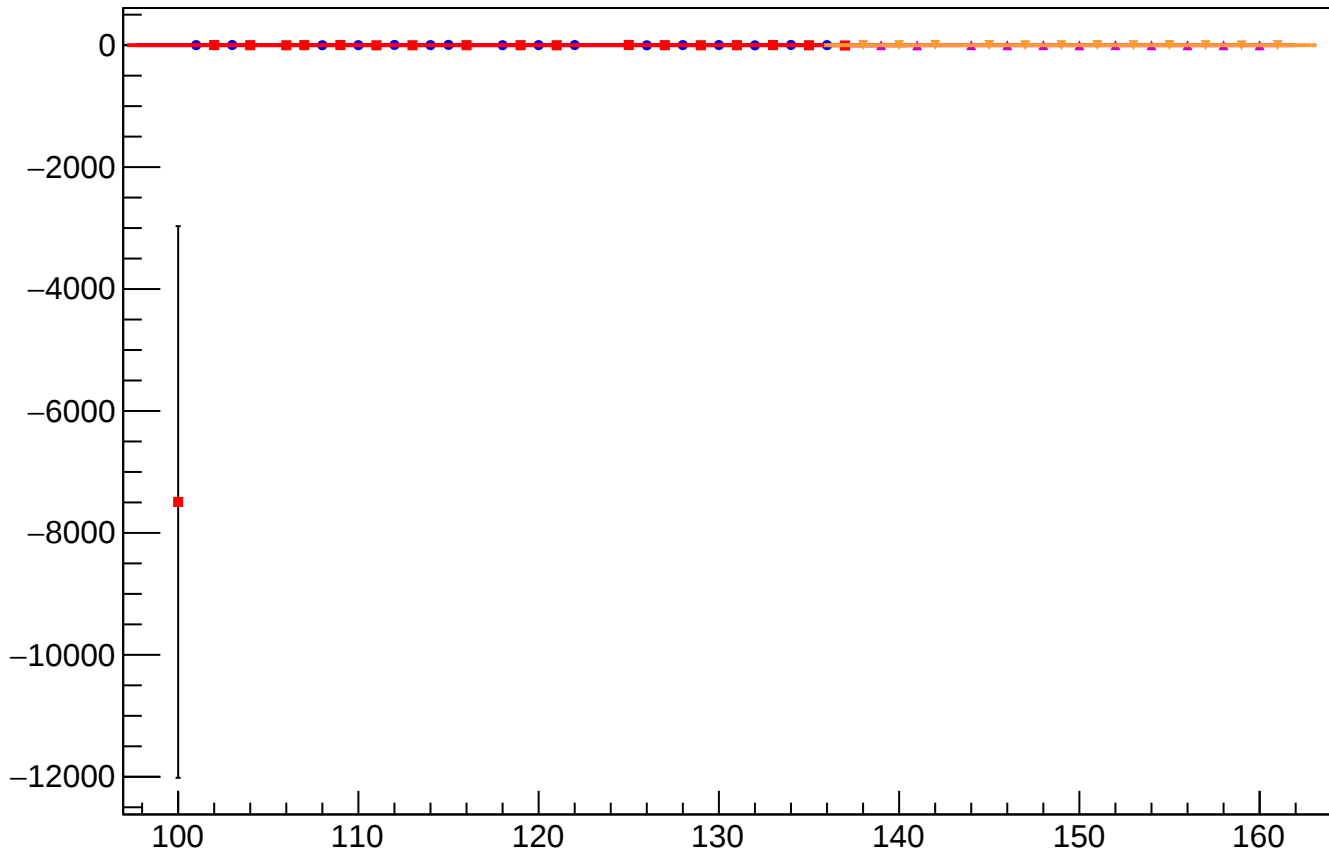
Right Out: 79.342 $\pm$ 0.022 χ^2 /NDF: 378371.9/17

Left In: 85.807 $\pm$ 0.020 χ^2 /NDF: 1674.8/10

81.583 $\pm$ 0.015 χ^2 /NDF: 599710.8/27

82.773 $\pm$ 0.015 χ^2 /NDF: 427973.0/28

asym_ds_dd_correction_mean vs Slug



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

Left Out: -0.612 ± 0.493 χ^2/NDF : 12.5/11

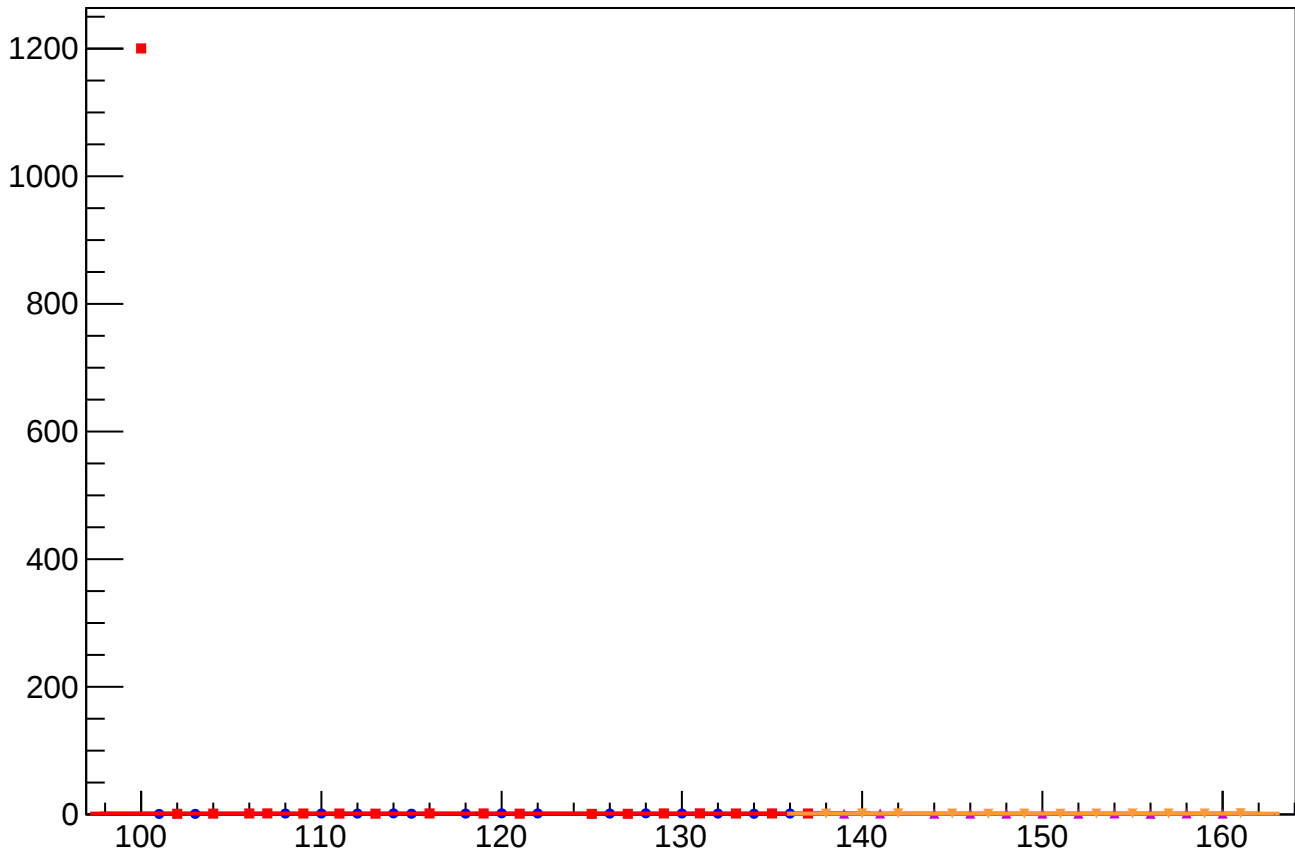
Right Out: -0.314 ± 0.548 χ^2/NDF : 12.6/17

Left In: -0.274 ± 0.498 χ^2/NDF : 5.7/10

0.091 ± 0.362 χ^2/NDF : 28.9/27

-0.292 ± 0.369 χ^2/NDF : 18.3/28

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.350 $\pm$ 0.000 χ^2 /NDF:327084.8/11

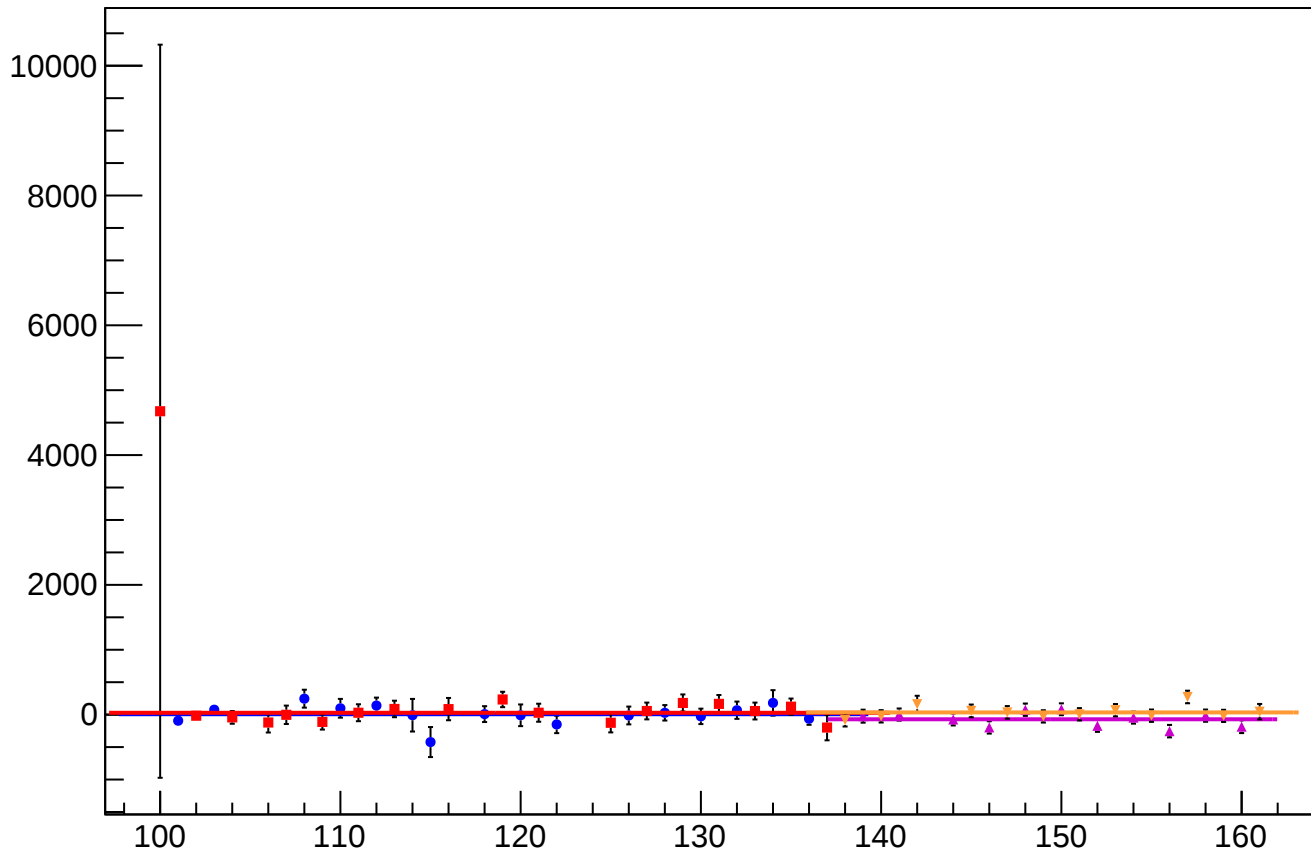
Right Out: 1.317 $\pm$ 0.000 χ^2 /NDF: 521587.9/17

Left In: 1.363 $\pm$ 0.000 χ^2 /NDF:182196.6/10

1.298 $\pm$ 0.000 χ^2 /NDF: 1032649.9/27

1.342 $\pm$ 0.000 χ^2 /NDF: 711186.7/28

asym_ds_dd_mean vs Slug



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

Left Out: 34.222 ± 28.757 χ^2/NDF : 10.0/11

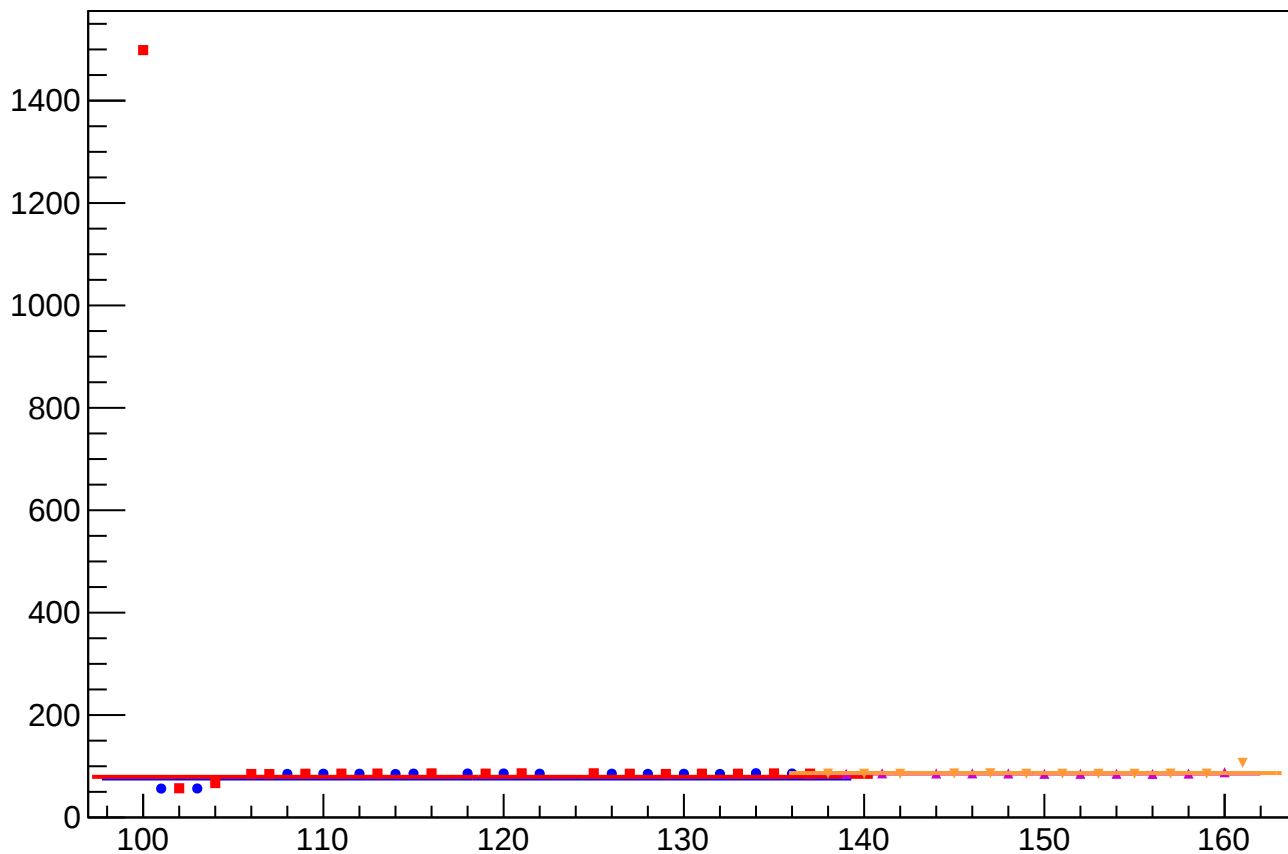
Right Out: 28.551 ± 30.437 χ^2/NDF : 12.7/17

Left In: -71.348 ± 28.620 χ^2/NDF : 14.3/10

21.071 ± 20.752 χ^2/NDF : 24.3/27

-24.470 ± 20.850 χ^2/NDF : 32.7/28

asym_ds_dd_rms vs Slug



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

Left Out: 86.715 $\pm$ 0.020 χ^2 /NDF: 59058.8/11

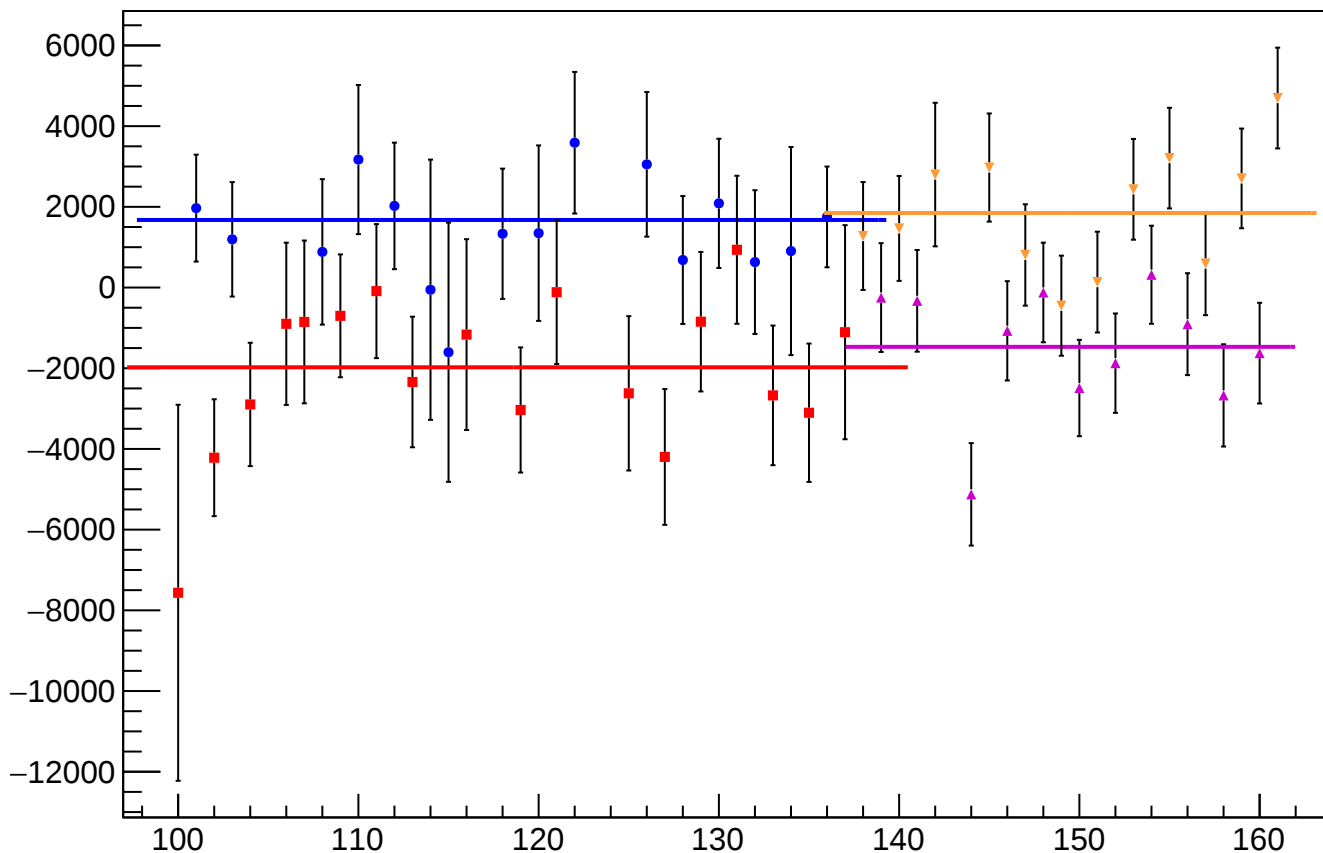
Right Out: 79.338 $\pm$ 0.022 χ^2 /NDF: 387631.3/17

Left In: 85.831 $\pm$ 0.020 χ^2 /NDF: 1682.0/10

81.605 $\pm$ 0.015 χ^2 /NDF: 599782.4/27

82.784 $\pm$ 0.015 χ^2 /NDF: 437609.6/28

reg_asym_usl_mean vs Slug



Right In: 1674.993+/-430.597 χ^2/NDF : 5.1/15

Left Out: 1848.543+/-374.214 χ^2/NDF : 15.3/11

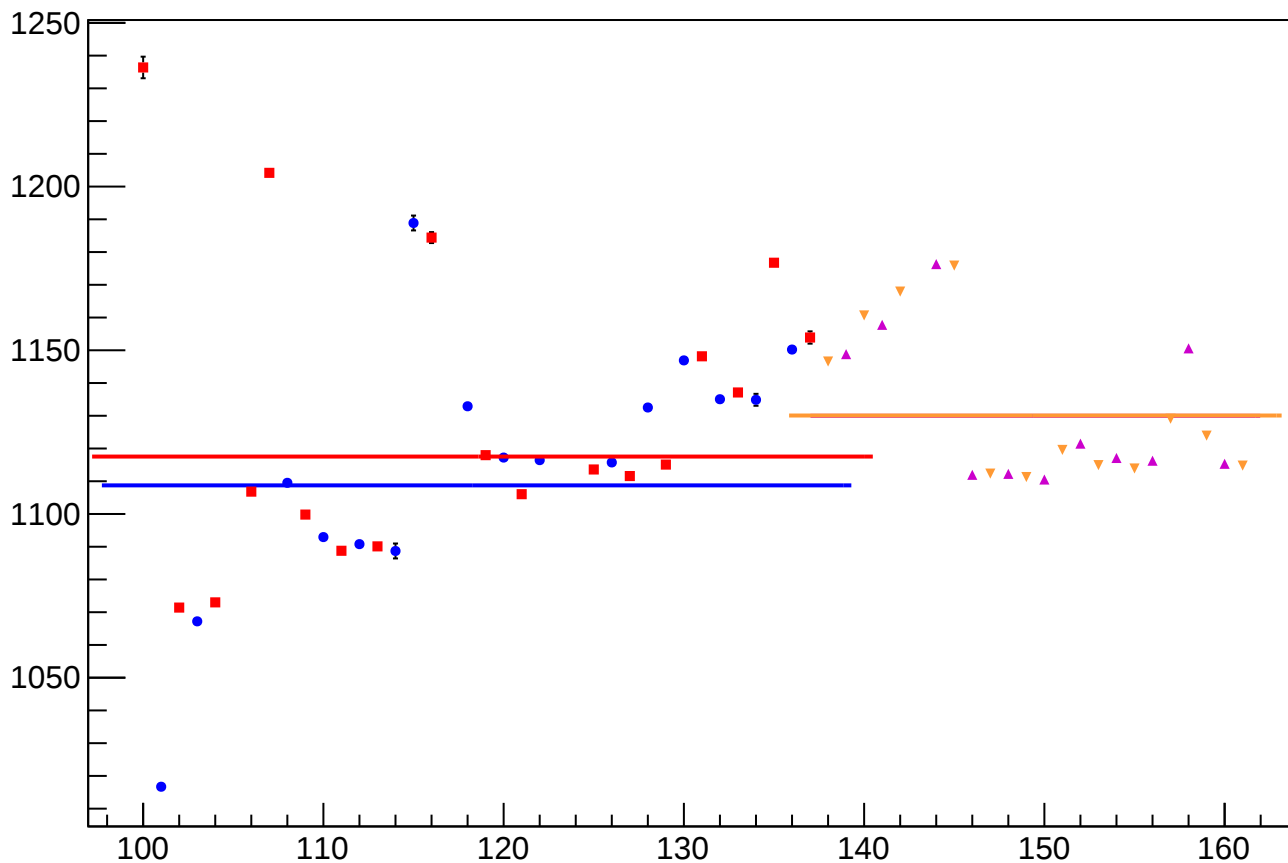
Right Out: -1976.296+/-422.405 χ^2/NDF : 14.0/17

Left In: -1469.935+/-376.678 χ^2/NDF : 15.3/10

1773.867+/-282.455 χ^2/NDF : 20.5/27

-1694.234+/-281.134 χ^2/NDF : 30.2/28

reg_asym_usl_rms vs Slug



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

Left Out: 1130.077 $\pm$ 0.265 χ^2 /NDF: 6631.1/11

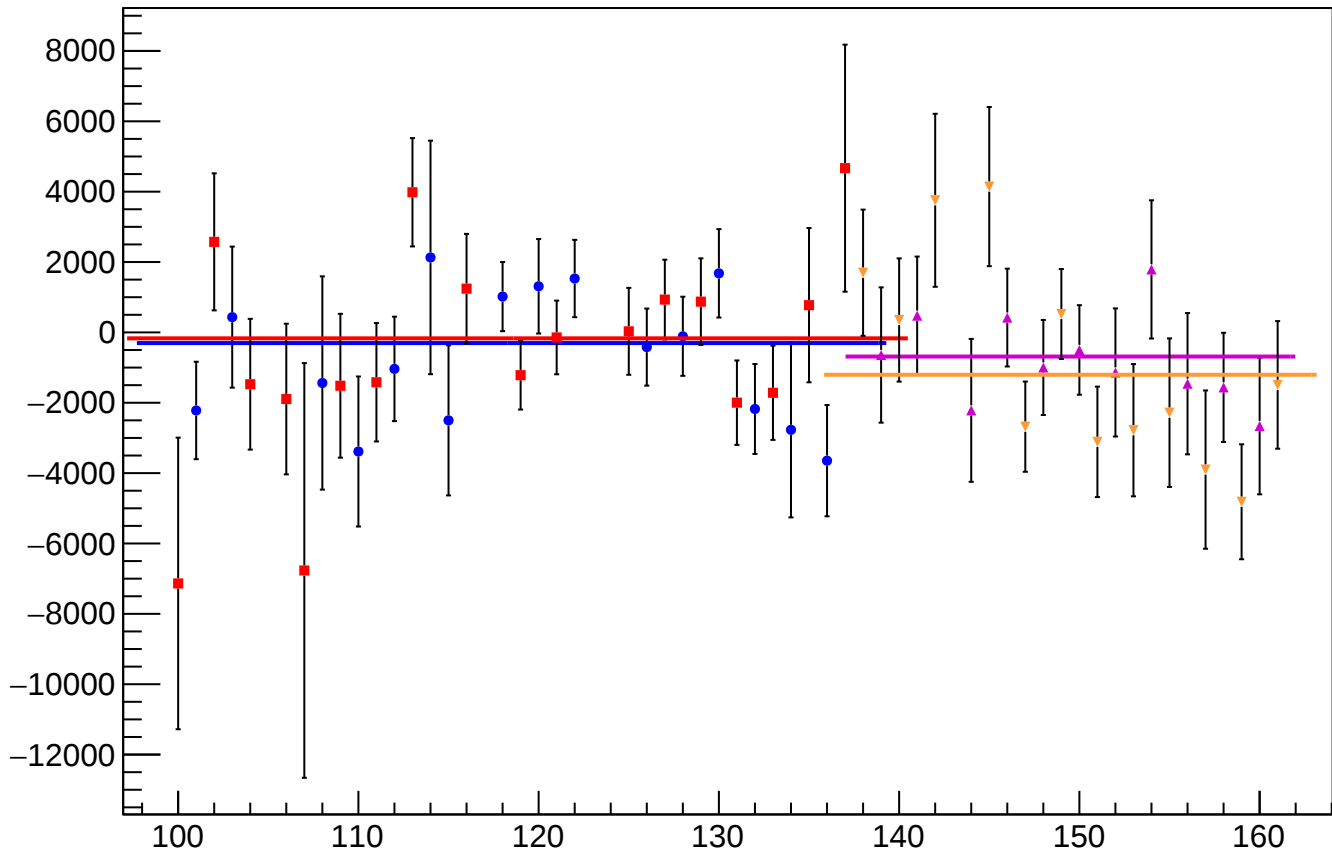
Right Out: 1117.539 $\pm$ 0.299 χ^2 /NDF: 15515.2/17

Left In: 1129.979 $\pm$ 0.266 χ^2 /NDF: 6761.0/10

1120.896 $\pm$ 0.200 χ^2 /NDF: 27509.7/27

1124.468 $\pm$ 0.199 χ^2 /NDF: 23242.4/28

asym_usl_correction_mean vs Slug



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

Left Out: -1204.252+/-499.484 χ^2 /NDF:25.0/11

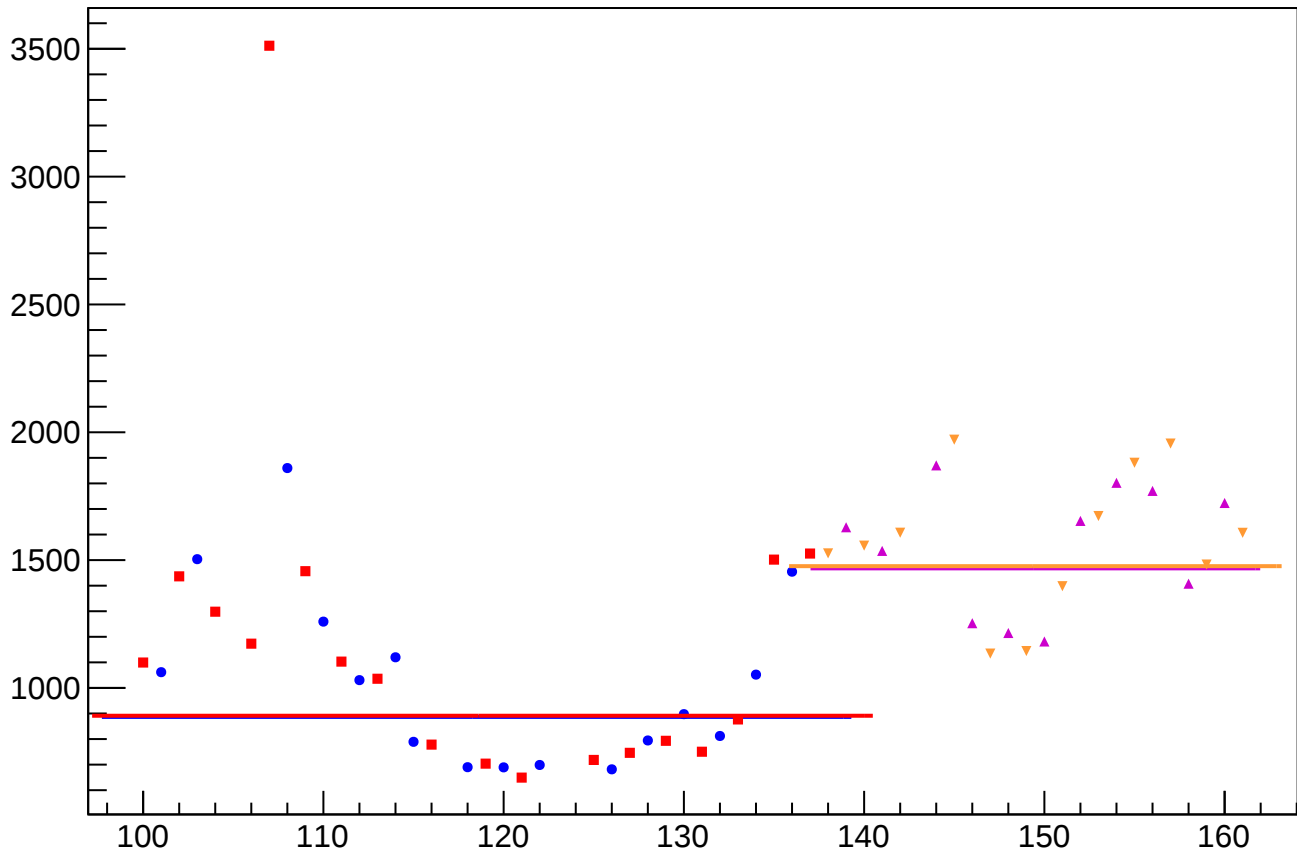
Right Out: -168.849+/-356.237 χ^2 /NDF: 24.9/17

Left In: -686.533+/-497.514 χ^2 /NDF:4.9/10

-611.414+/-292.086 χ^2 /NDF: 49.4/27

-344.309+/-289.642 χ^2 /NDF: 30.5/28

asym_usl_correction_rms vs Slug



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

Left Out: 1476.294+/-0.353 χ^2/NDF : 585888.7/11

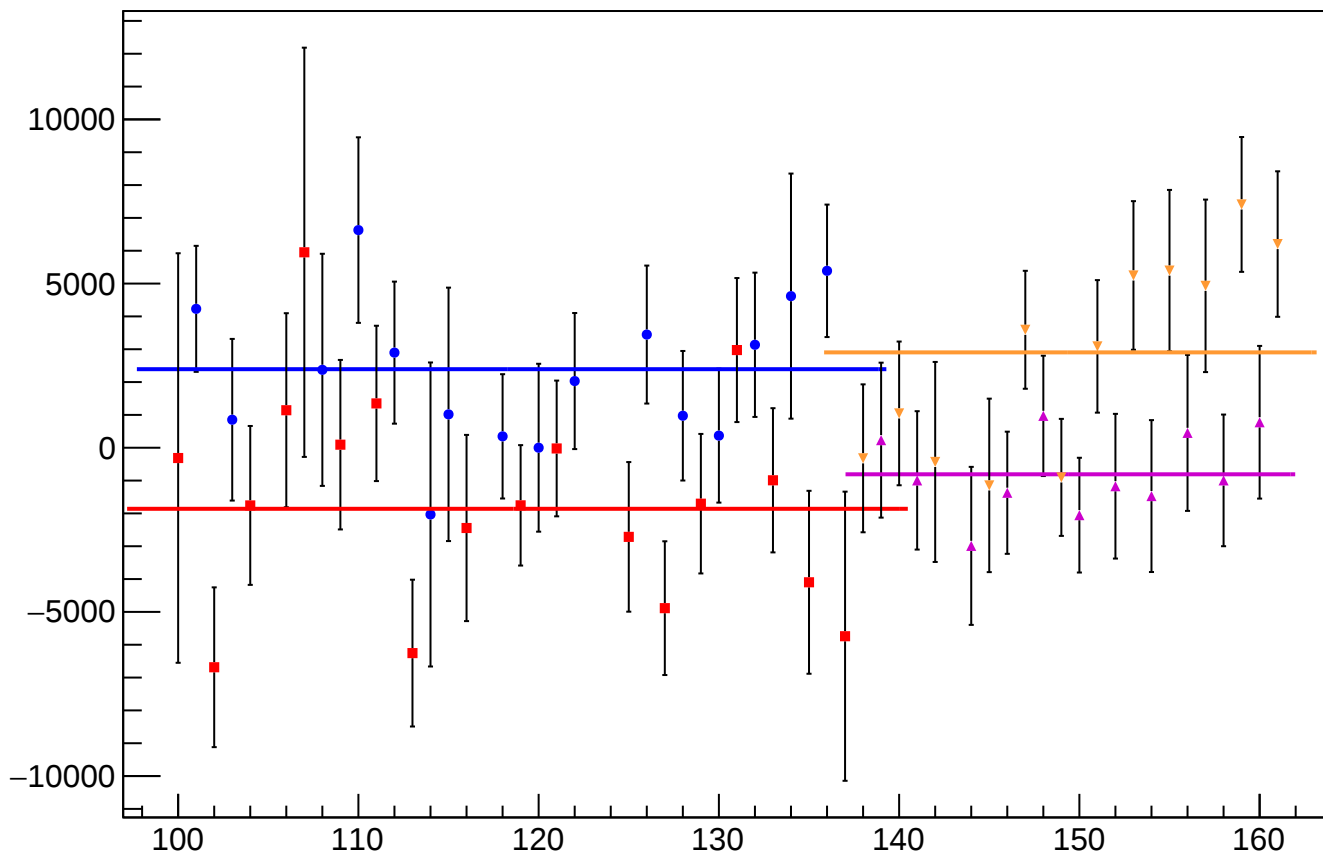
Right Out: 891.197+/-0.252 χ^2/NDF : 1414187.9/17

Left In: 1467.666+/-0.352 χ^2/NDF : 476730.7/10

1088.313+/-0.207 χ^2/NDF : 3480575.4/27

1086.581+/-0.205 χ^2/NDF : 3665997.0/28

asym_usl_mean vs Slug



Right In: 2392.385 ± 588.991 $\chi^2/\text{NDF}: 11.2/15$

Left Out: 2904.229 ± 635.788 $\chi^2/\text{NDF}: 20.8/11$

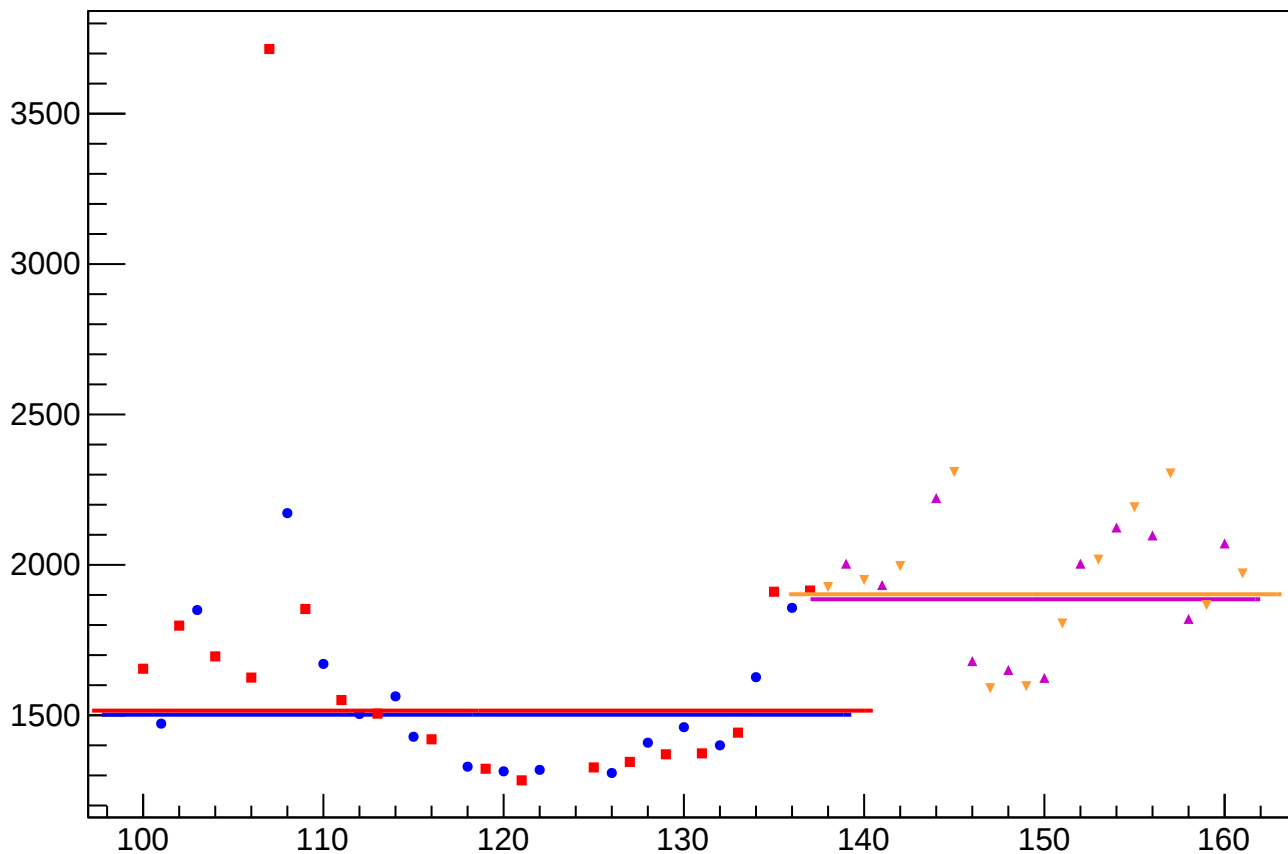
Right Out: -1859.867 ± 583.119 $\chi^2/\text{NDF}: 22.5/17$

Left In: -808.901 ± 633.081 $\chi^2/\text{NDF}: 3.4/10$

2628.779 ± 432.077 $\chi^2/\text{NDF}: 32.3/27$

-1377.486 ± 428.904 $\chi^2/\text{NDF}: 27.4/28$

asym_usl_rms vs Slug



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

Left Out: 1902.278 $\pm$ 0.450 χ^2 /NDF: 256525.8/11

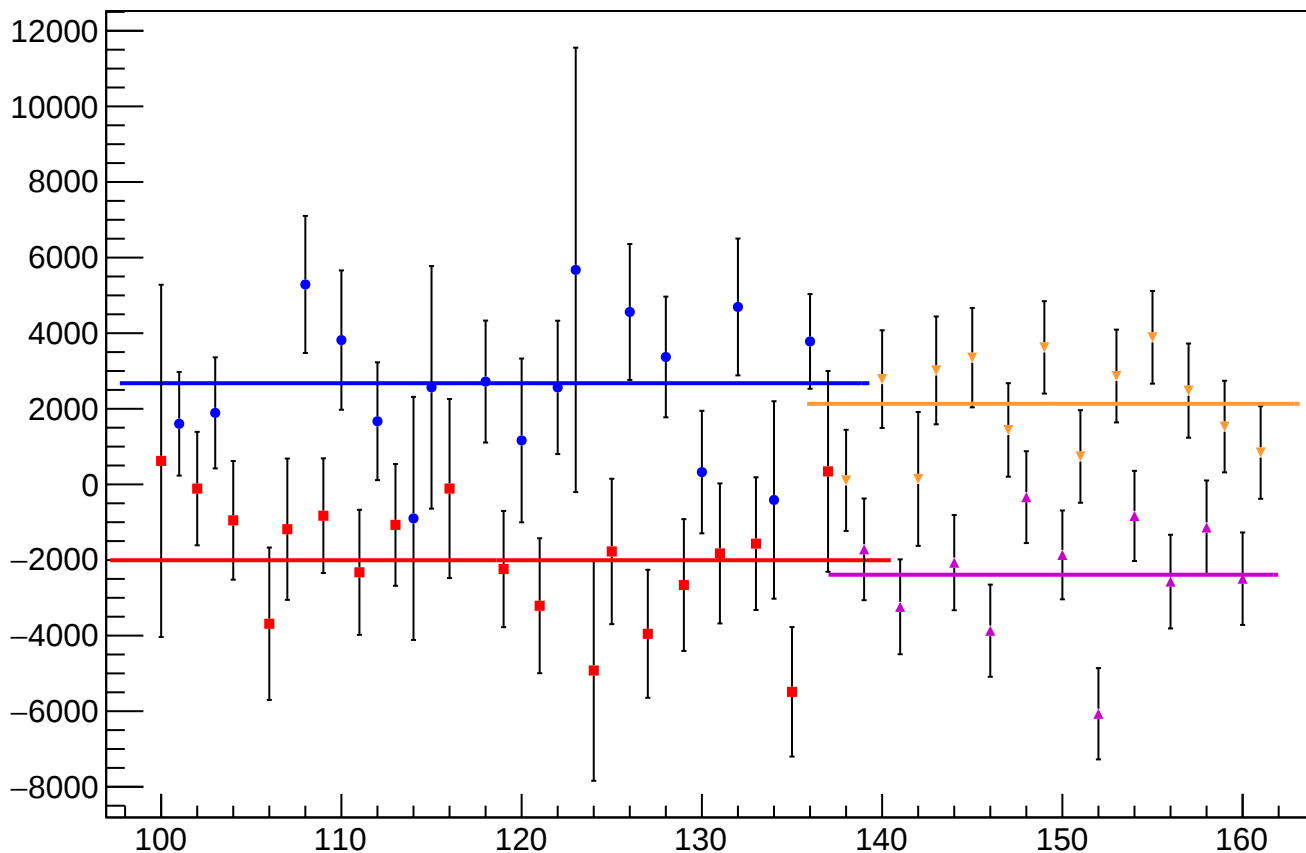
Right Out: 1515.406 $\pm$ 0.412 χ^2 /NDF: 479759.9/17

Left In: 1885.653 $\pm$ 0.448 χ^2 /NDF: 205053.9/10

1686.833 $\pm$ 0.306 χ^2 /NDF: 937823.5/27

1685.345 $\pm$ 0.303 χ^2 /NDF: 1054898.7/28

reg_asym_usr_mean vs Slug



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

Left Out: 2131.850 ± 356.780 χ^2/NDF : 12.0/12

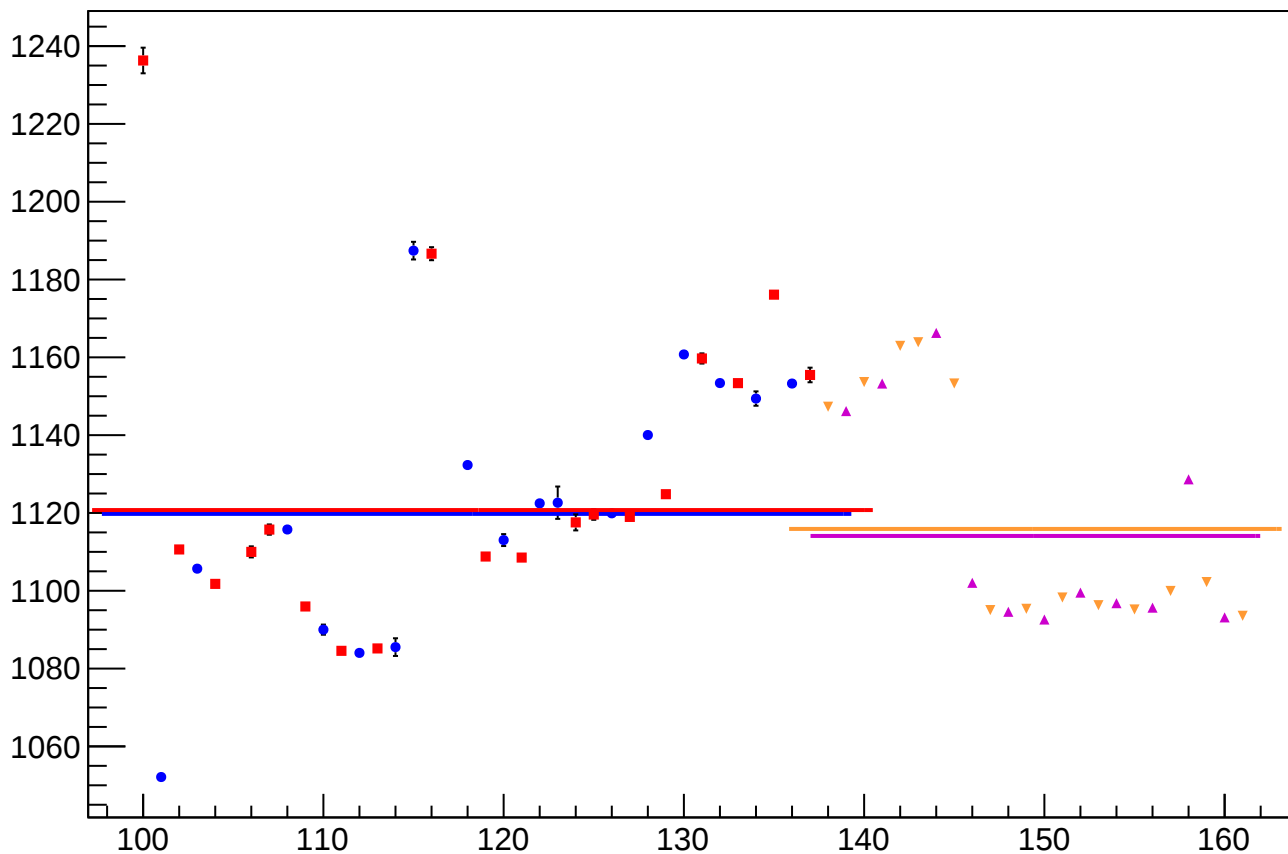
Right Out: -2006.577 ± 419.165 χ^2/NDF : 12.8/18

Left In: -2389.714 ± 371.415 χ^2/NDF : 17.3/10

2351.818 ± 275.499 χ^2/NDF : 25.5/29

-2221.202 ± 277.986 χ^2/NDF : 30.6/29

reg_asym_usr_rms vs Slug



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

Left Out: 1115.898 $\pm$ 0.252 χ^2 /NDF:11973.6/12

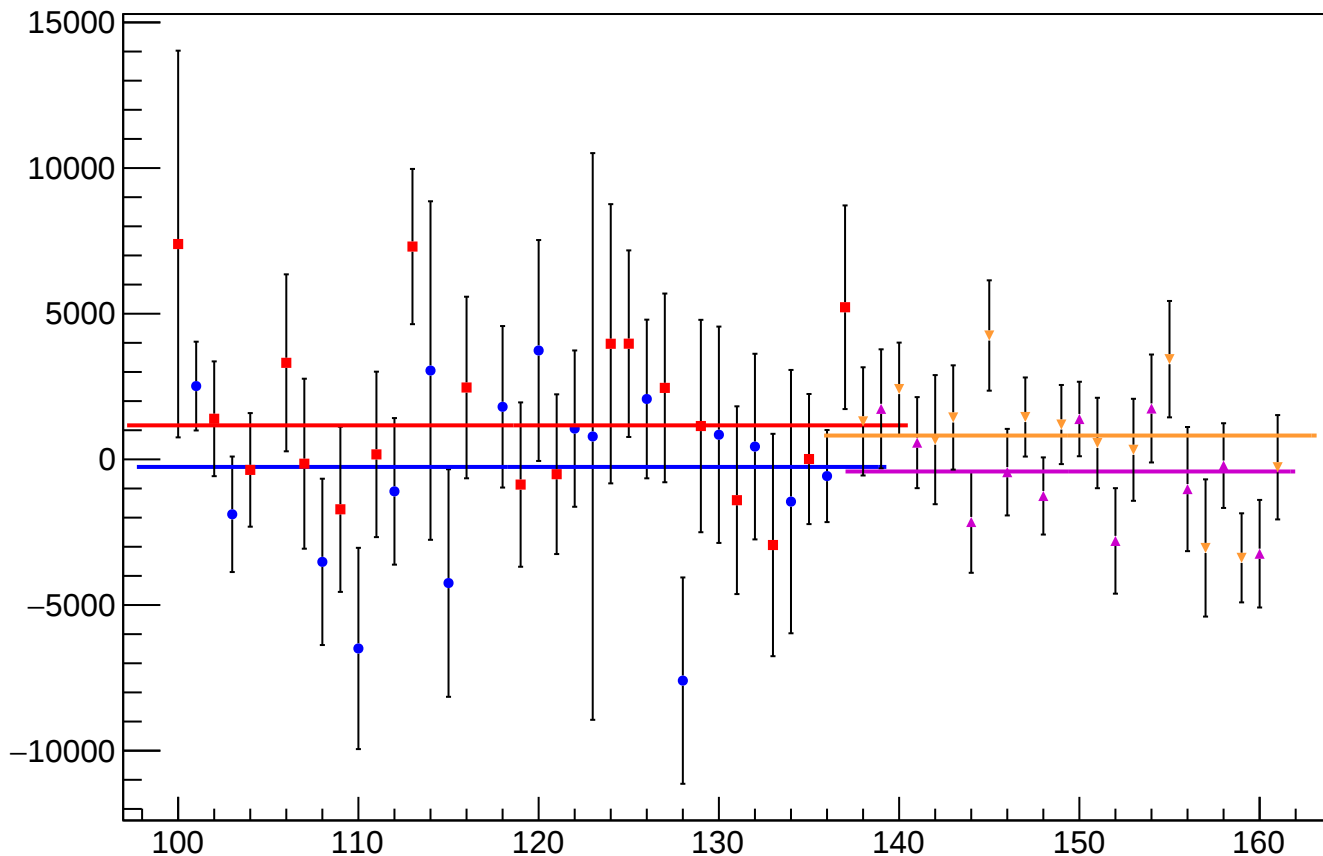
Right Out: 1120.746 $\pm$ 0.296 χ^2 /NDF: 9934.2/18

Left In: 1114.091 $\pm$ 0.263 χ^2 /NDF:9917.7/10

1117.458 $\pm$ 0.195 χ^2 /NDF: 23945.1/29

1117.018 $\pm$ 0.197 χ^2 /NDF: 20134.2/29

asym_usr_correction_mean vs Slug



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

Left Out: 818.171+/-472.762 χ^2/NDF : 17.2/12

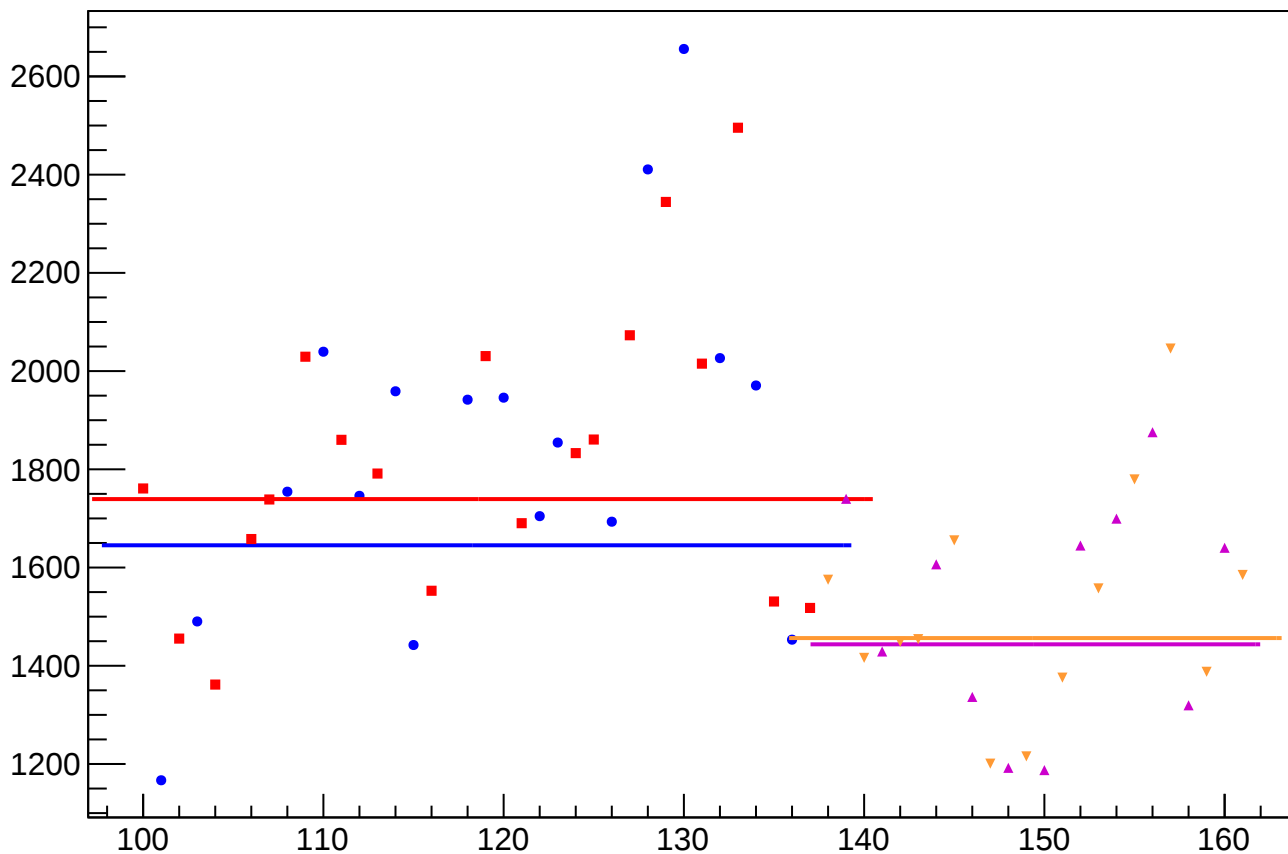
Right Out: 1167.598+/-662.428 χ^2/NDF : 14.4/18

Left In: -415.885+/-488.233 χ^2/NDF : 10.4/10

449.142+/-383.395 χ^2/NDF : 36.2/29

141.509+/-393.019 χ^2/NDF : 28.5/29

asym_usr_correction_rms vs Slug



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

Left Out: 1456.386+/-0.334 χ^2/NDF : 369405.5/12

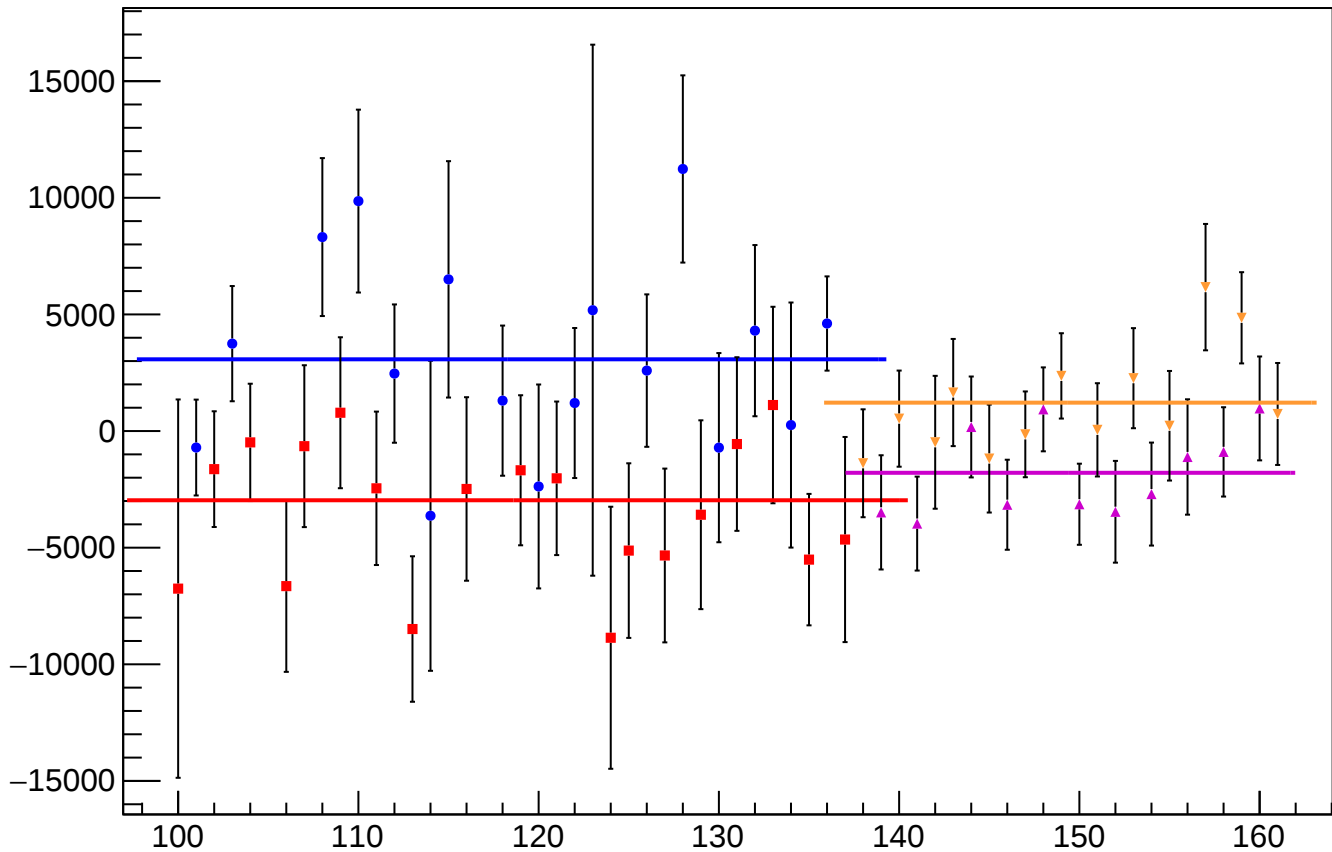
Right Out: 1739.382+/-0.468 χ^2/NDF : 371012.9/18

Left In: 1443.655+/-0.345 χ^2/NDF : 404645.1/10

1521.059+/-0.271 χ^2/NDF : 1079653.2/29

1547.752+/-0.278 χ^2/NDF : 1033946.2/29

asym_usr_mean vs Slug



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

Left Out: 1217.417+/-600.614 χ^2/NDF : 11.4/12

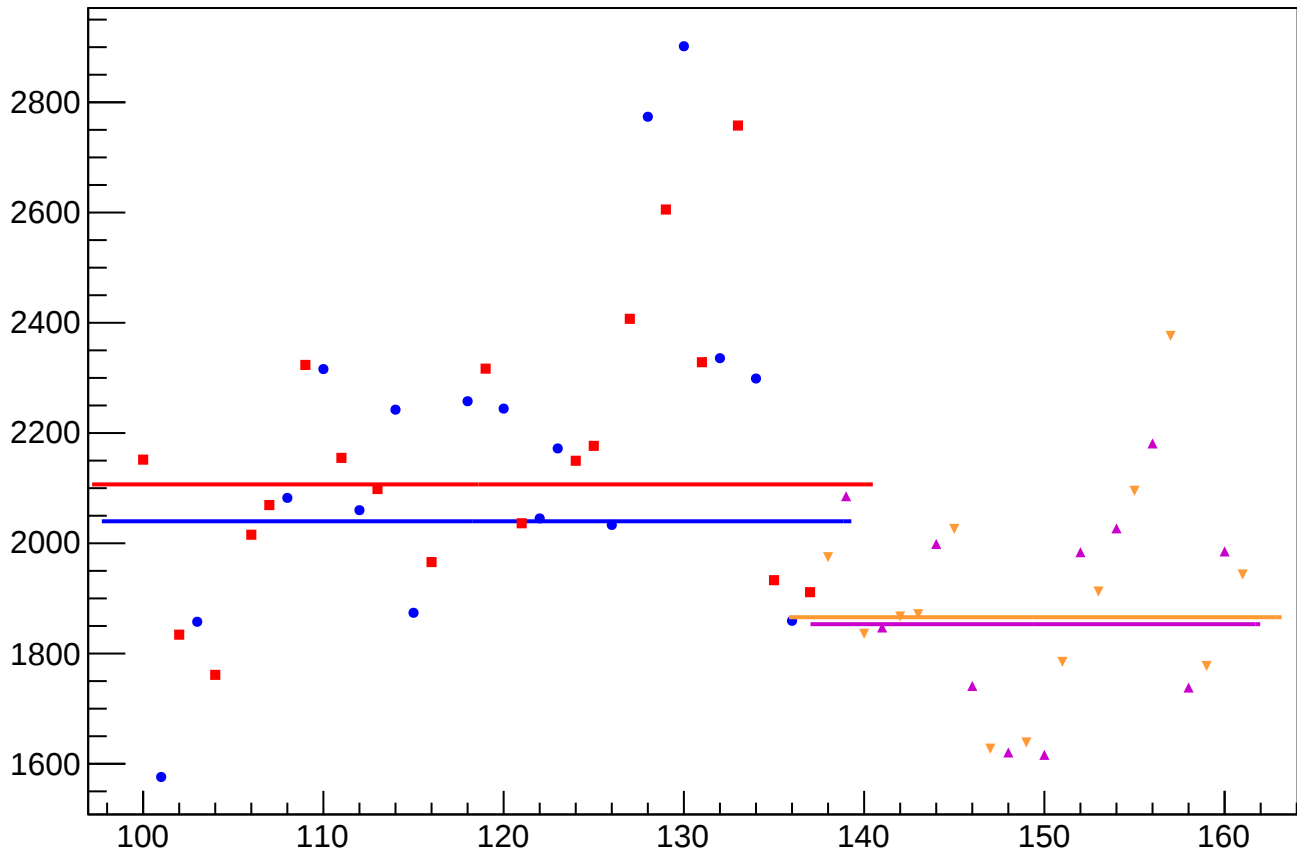
Right Out: -2967.536+/-795.639 χ^2/NDF : 11.9/18

Left In: -1789.806+/-621.518 χ^2/NDF : 8.5/10

1884.763+/-480.799 χ^2/NDF : 33.4/29

-2236.120+/-489.794 χ^2/NDF : 21.7/29

asym_usr_rms vs Slug



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

Left Out: 1865.903+/-0.425 χ^2/NDF :179820.4/12

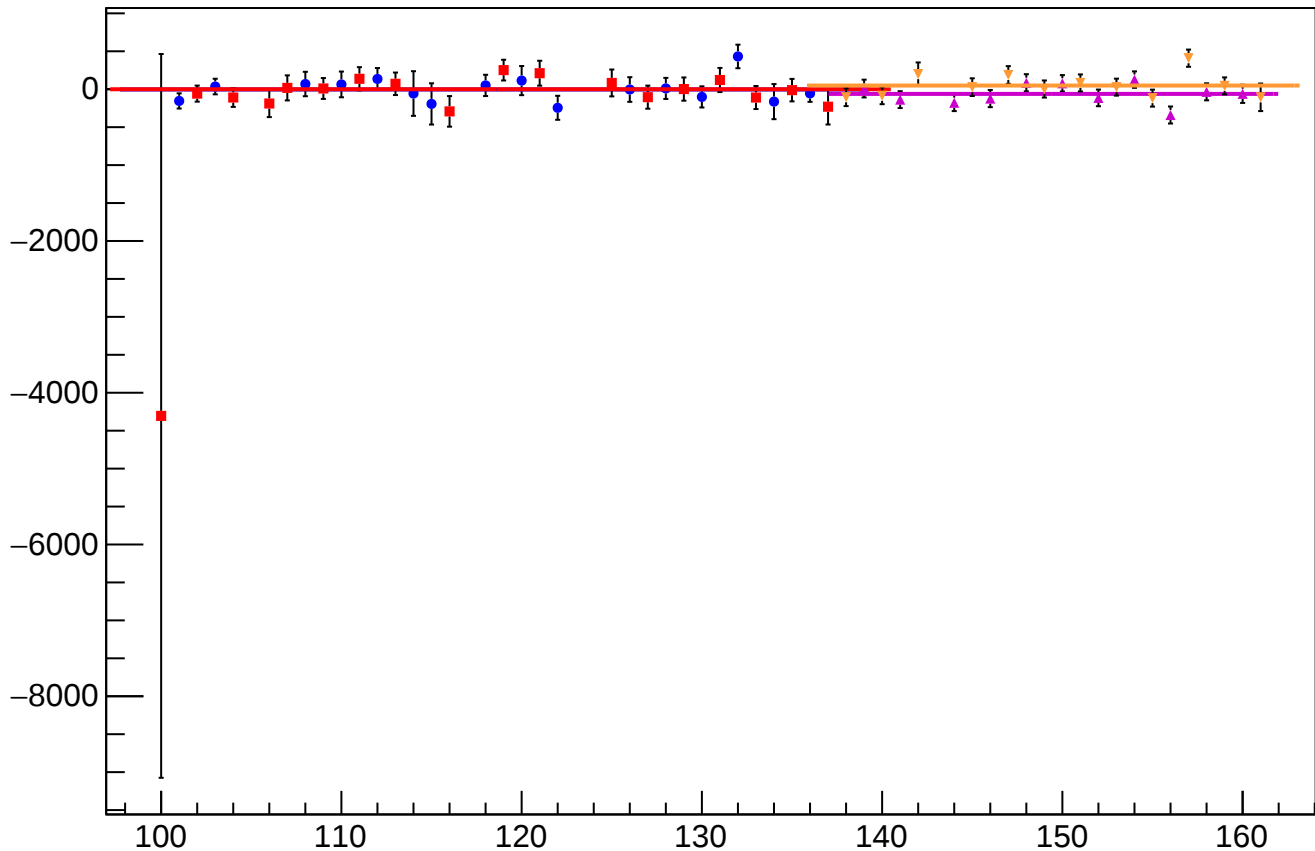
1928.414+/-0.340 χ^2/NDF : 572121.8/29

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

1949.362+/-0.346 χ^2/NDF : 494965.5/29

Left In: 1853.273+/-0.439 χ^2/NDF :173370.1/10

reg_asym_dsl_mean vs Slug



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

Left Out: 48.658 ± 34.320 χ^2/NDF : 18.9/11

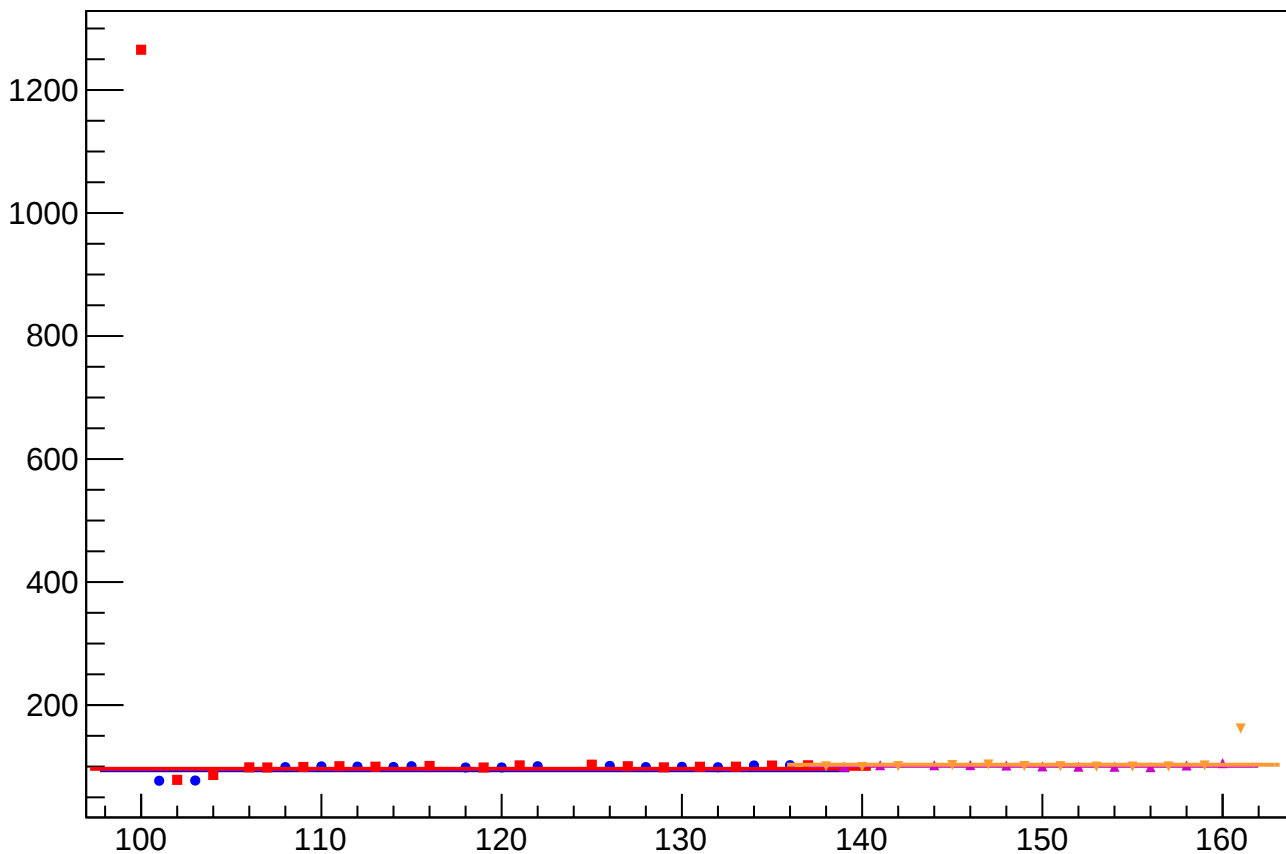
Right Out: -0.487 ± 36.699 χ^2/NDF : 14.0/17

Left In: -61.669 ± 33.813 χ^2/NDF : 15.0/10

24.436 ± 25.072 χ^2/NDF : 36.1/27

-33.578 ± 24.867 χ^2/NDF : 30.5/28

reg_asym_dsl_rms vs Slug



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

Left Out: 103.020+/-0.024 χ^2/NDF : 219947.3/11

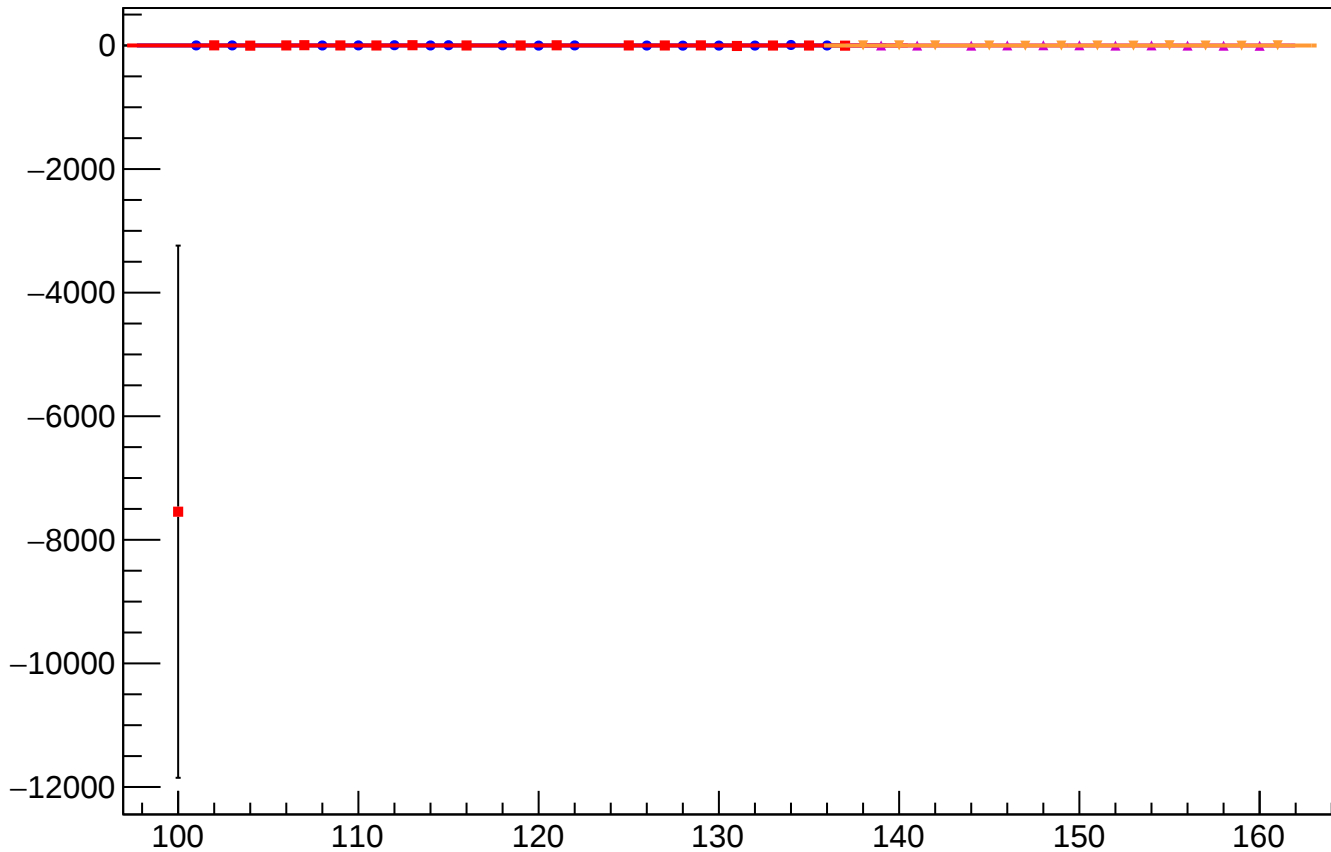
Right Out: 96.372+/-0.026 χ^2/NDF : 209228.5/17

Left In: 101.290+/-0.024 χ^2/NDF : 5071.4/10

98.845+/-0.018 χ^2/NDF : 435679.2/27

99.032+/-0.018 χ^2/NDF : 233728.5/28

asym_dsl_correction_mean vs Slug



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

Left Out: -0.690+/-0.594 χ^2/NDF : 13.7/11

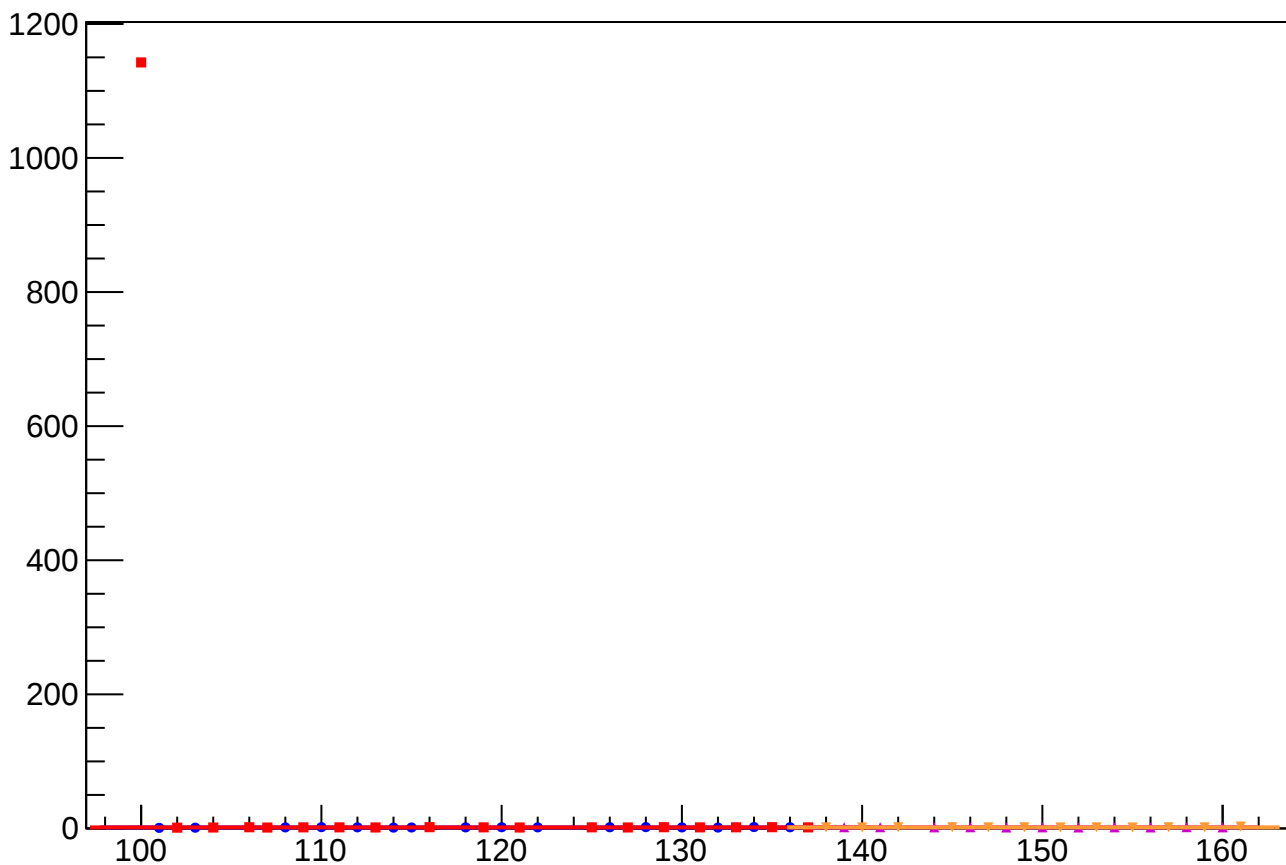
Right Out: 0.313+/-0.643 χ^2/NDF : 22.8/17

Left In: -0.149+/-0.612 χ^2/NDF : 18.2/10

-0.152+/-0.428 χ^2/NDF : 25.1/27

0.070+/-0.443 χ^2/NDF : 41.3/28

asym_dsl_correction_rms vs Slug



Right In: 1.420+/-0.000 χ^2/NDF : 730935.2/15

Left Out: 1.633+/-0.000 χ^2/NDF : 267336.4/11

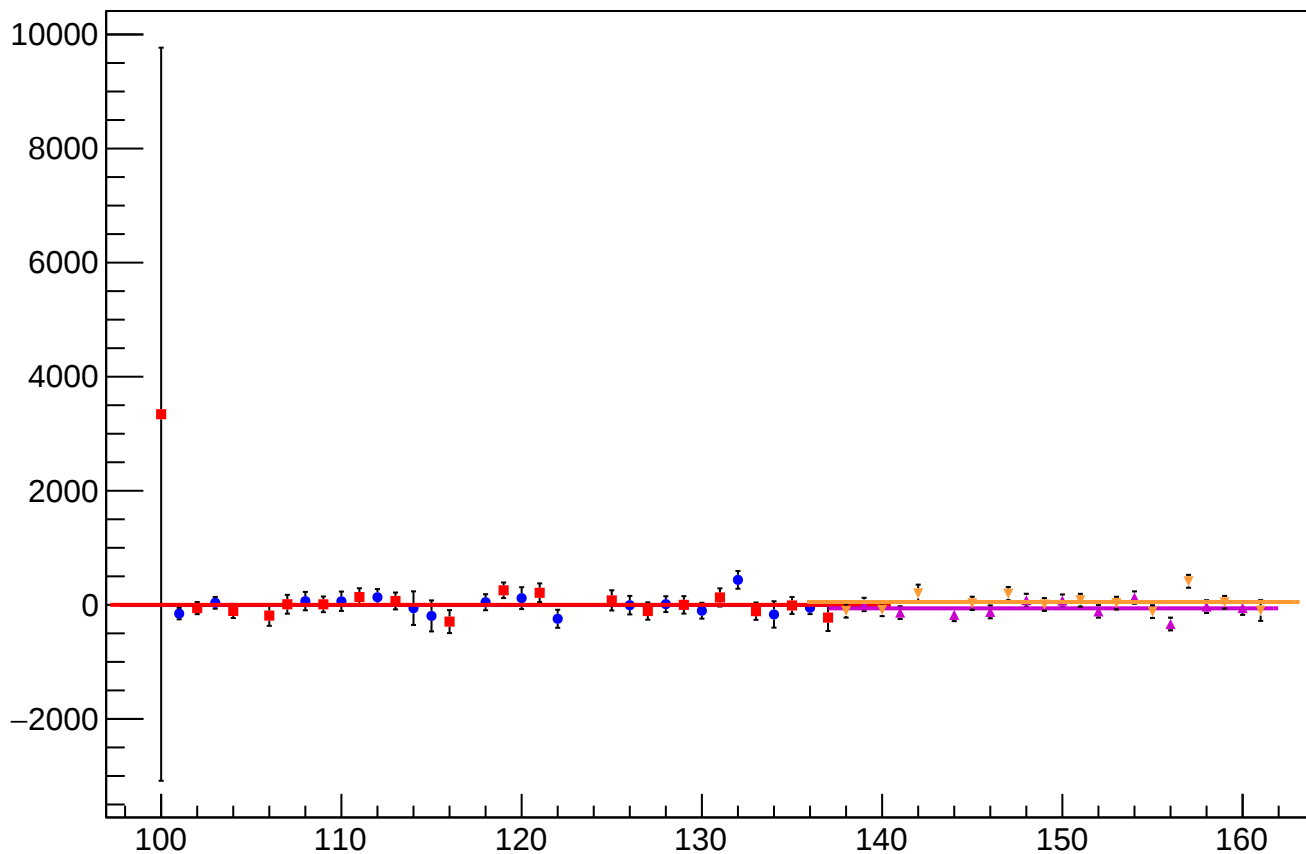
Right Out: 1.556+/-0.000 χ^2/NDF : 315908.9/17

Left In: 1.698+/-0.000 χ^2/NDF : 97724.6/10

1.530+/-0.000 χ^2/NDF : 1123225.7/27

1.631+/-0.000 χ^2/NDF : 465347.4/28

asym_dsl_mean vs Slug



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

Left Out: 50.064 ± 34.329 χ^2/NDF : 19.3/11

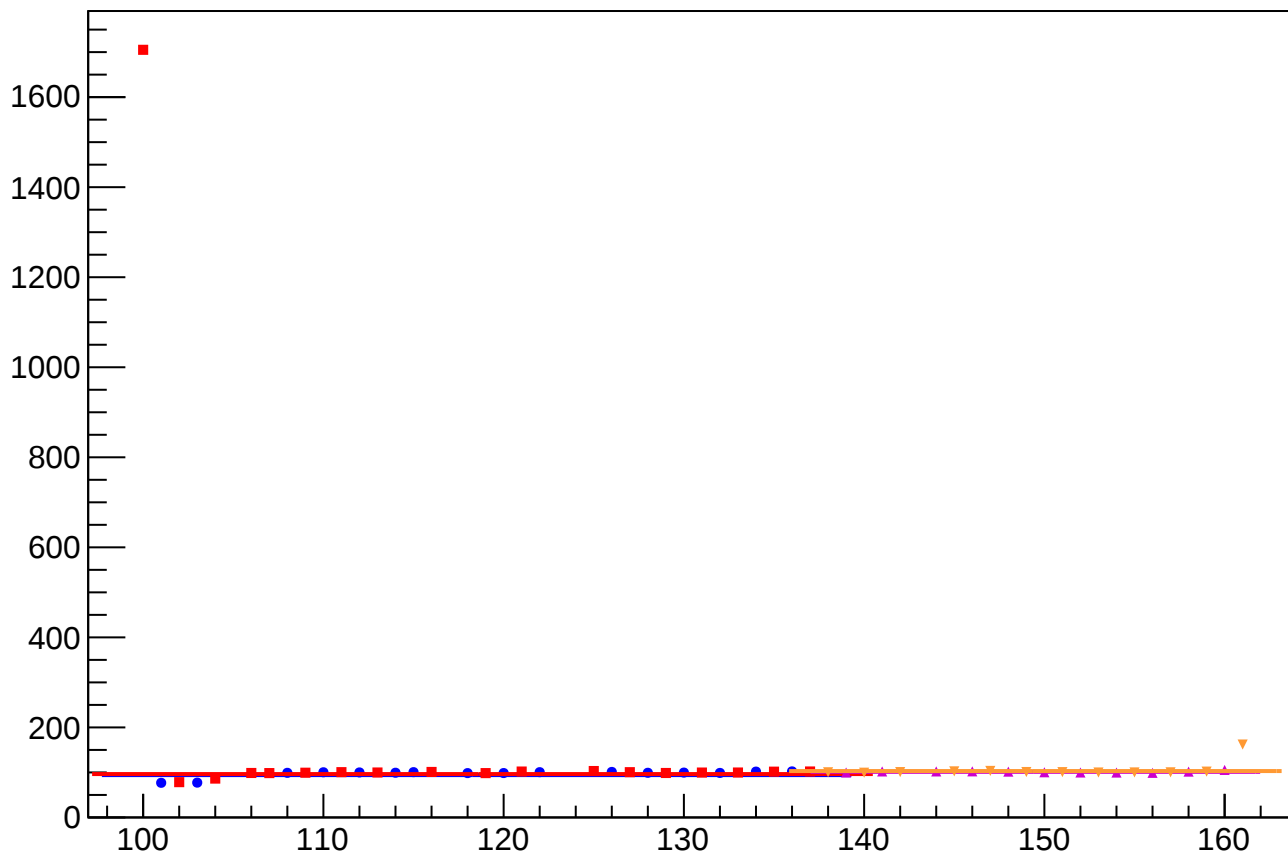
Right Out: -0.172 ± 36.709 χ^2/NDF : 13.5/17

Left In: -61.180 ± 33.823 χ^2/NDF : 14.7/10

25.272 ± 25.078 χ^2/NDF : 36.7/27

-33.169 ± 24.874 χ^2/NDF : 29.7/28

asym_dsl_rms vs Slug



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

Left Out: 103.047+/-0.024 χ^2/NDF : 220044.5/11

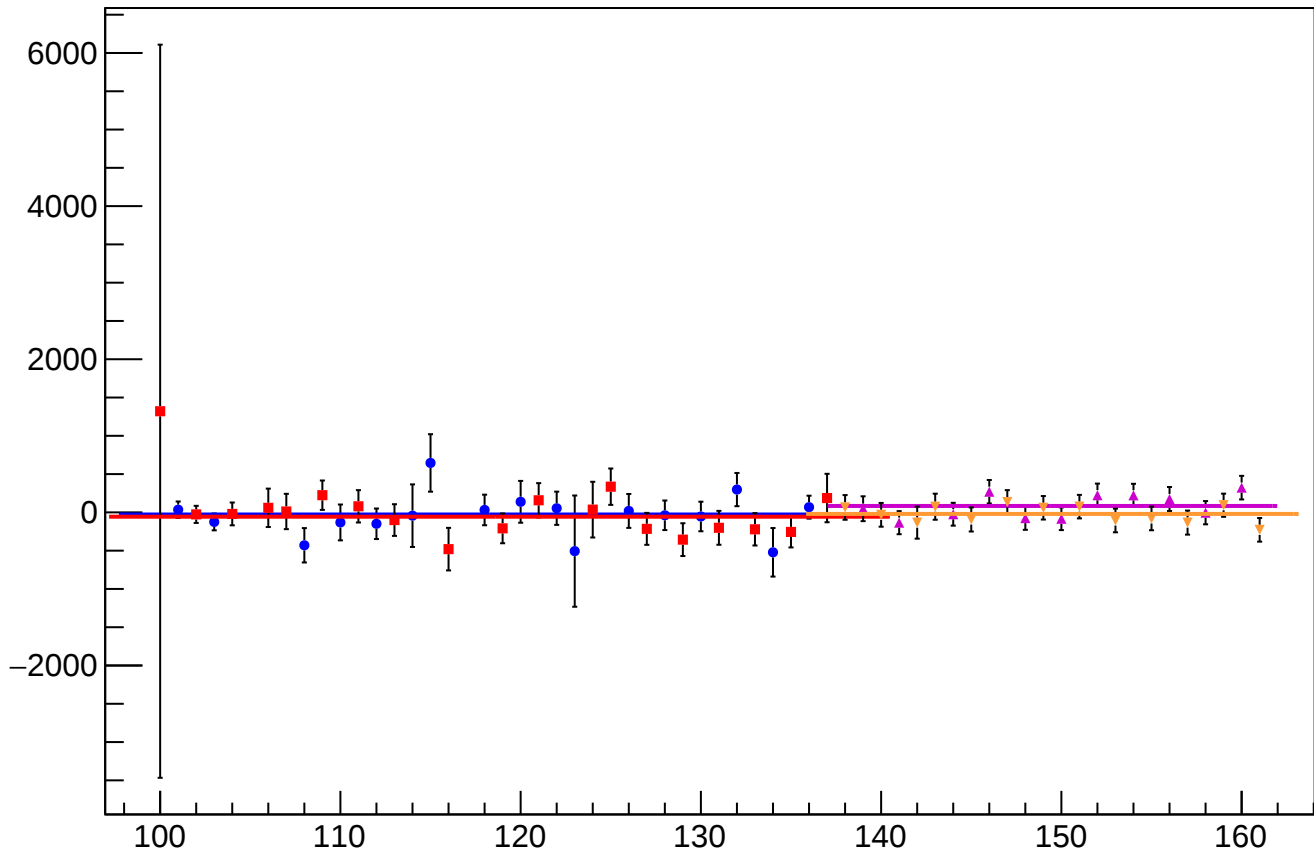
Right Out: 96.381+/-0.026 χ^2/NDF : 214362.3/17

Left In: 101.318+/-0.024 χ^2/NDF : 5074.1/10

98.871+/-0.018 χ^2/NDF : 435803.0/27

99.051+/-0.018 χ^2/NDF : 239003.5/28

reg_asym_dsr_mean vs Slug



Right In: -27.840 ± 46.777 $\chi^2/\text{NDF}: 14.3/16$

Left Out: -20.327 ± 44.115 $\chi^2/\text{NDF}: 6.1/12$

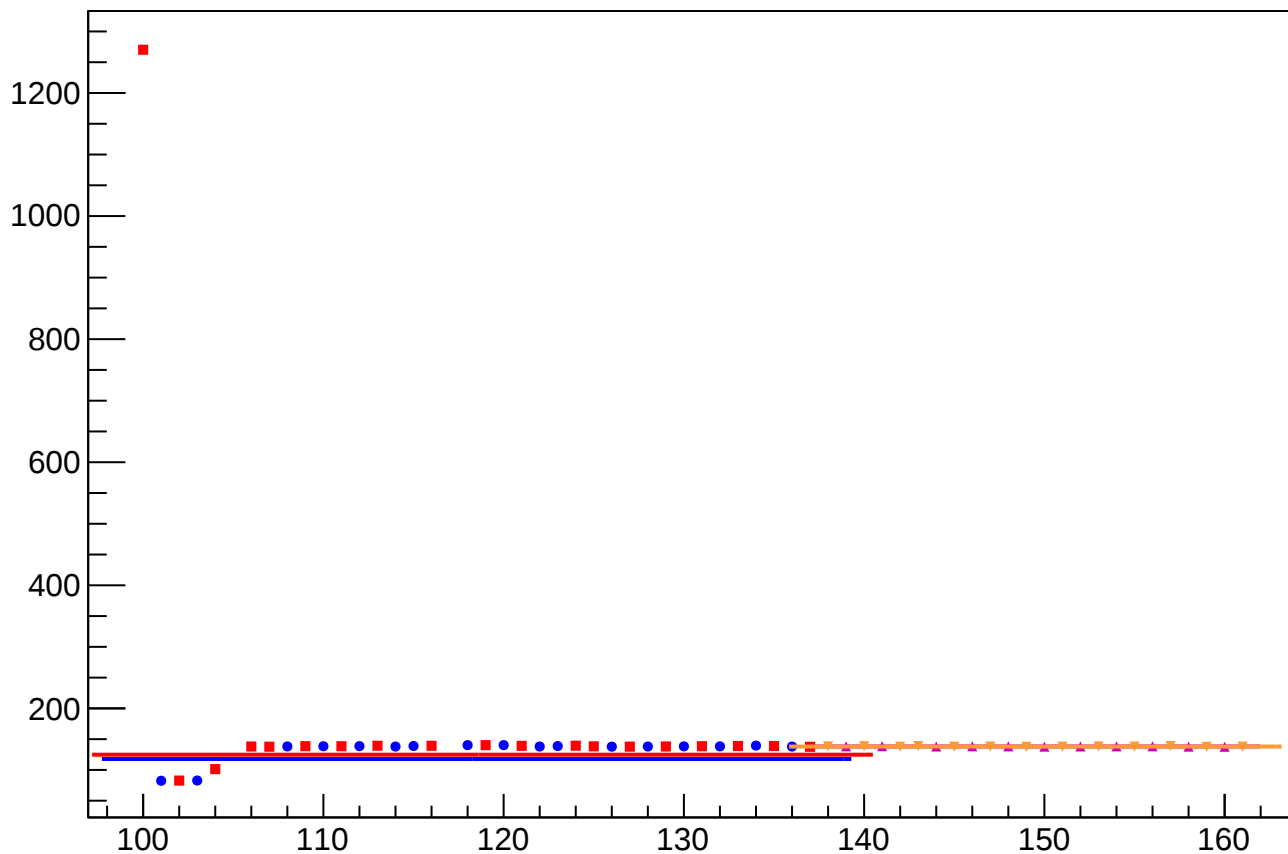
Right Out: -56.398 ± 47.708 $\chi^2/\text{NDF}: 14.9/18$

Left In: 83.792 ± 46.054 $\chi^2/\text{NDF}: 11.3/10$

-23.864 ± 32.094 $\chi^2/\text{NDF}: 20.4/29$

16.170 ± 33.134 $\chi^2/\text{NDF}: 30.6/29$

reg_asym_dsr_rms vs Slug



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

Left Out: 138.021 $\pm$ 0.031 χ^2 /NDF:170.6/12

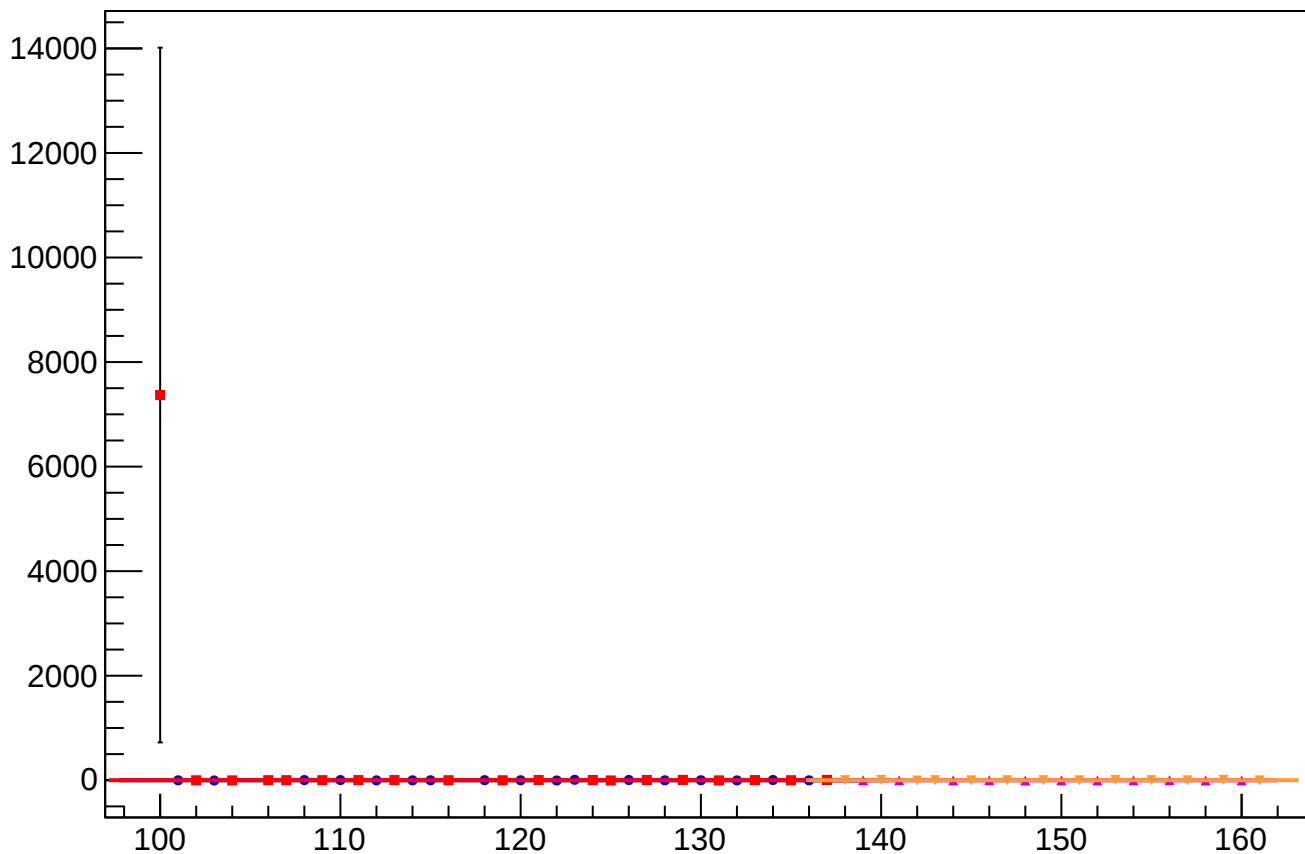
Right Out: 124.763 $\pm$ 0.034 χ^2 /NDF: 569771.6/18

Left In: 138.172 $\pm$ 0.033 χ^2 /NDF:66.8/10

128.509 $\pm$ 0.023 χ^2 /NDF: 864265.2/29

131.704 $\pm$ 0.023 χ^2 /NDF: 651617.7/29

asym_dsr_correction_mean vs Slug



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

Left Out: 0.535 ± 0.751 χ^2/NDF : 19.5/12

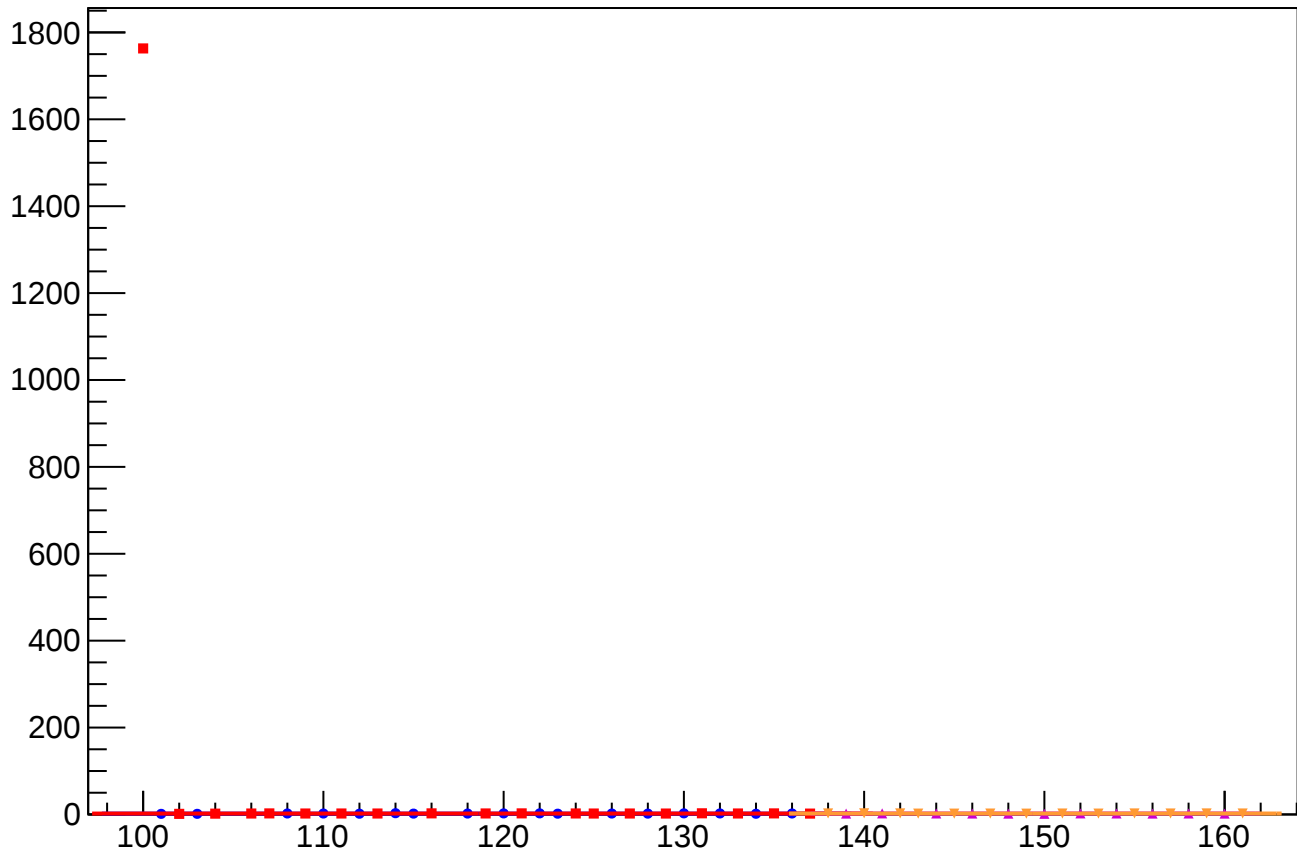
Right Out: 0.649 ± 0.851 χ^2/NDF : 13.7/18

Left In: -1.428 ± 0.775 χ^2/NDF : 4.2/10

-0.034 ± 0.551 χ^2/NDF : 33.4/29

-0.486 ± 0.573 χ^2/NDF : 21.1/29

asym_dsr_correction_rms vs Slug



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

Left Out: 2.151 $\pm$ 0.001 χ^2 /NDF:172569.7/12

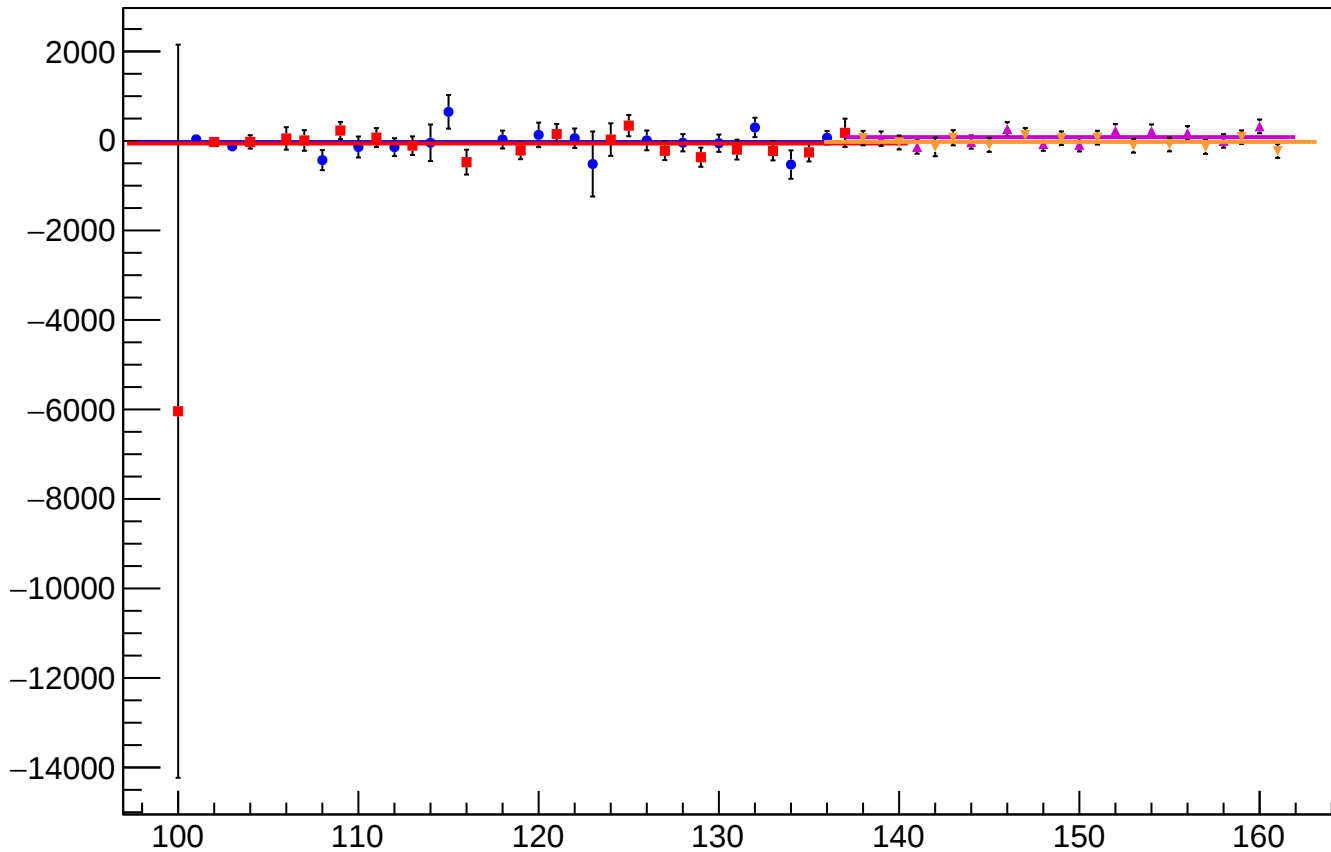
Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 525497.0/18

Left In: 2.088 $\pm$ 0.001 χ^2 /NDF:271314.2/10

2.021 $\pm$ 0.000 χ^2 /NDF: 796217.4/29

2.077 $\pm$ 0.000 χ^2 /NDF: 797568.3/29

asym_dsr_mean vs Slug



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

Left Out: -21.282 ± 44.126 χ^2/NDF : 5.9/12

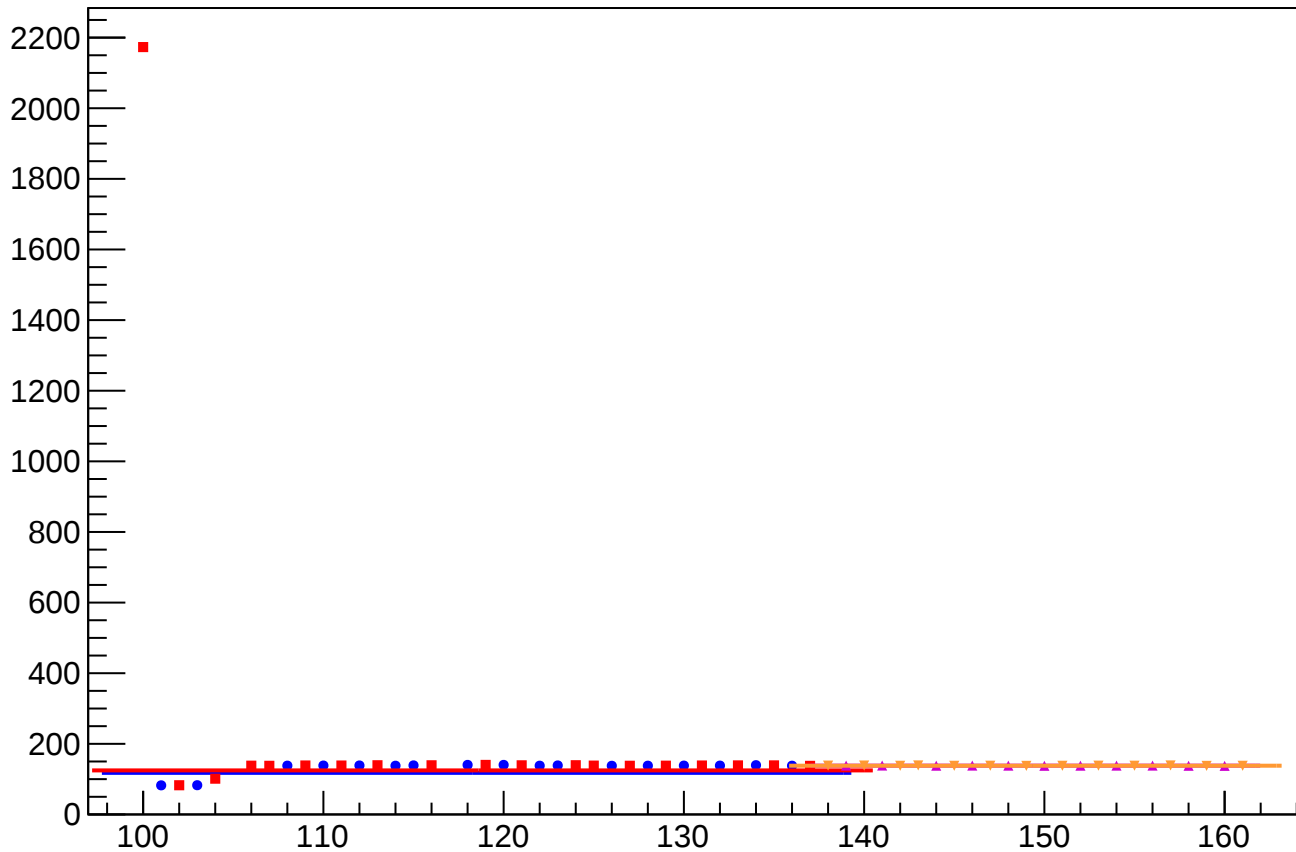
Right Out: -57.268 ± 47.722 χ^2/NDF : 15.5/18

Left In: 84.403 ± 46.066 χ^2/NDF : 11.2/10

-23.624 ± 32.102 χ^2/NDF : 20.2/29

16.069 ± 33.144 χ^2/NDF : 31.3/29

asym_dsr_rms vs Slug



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

Left Out: 138.056 $\pm$ 0.031 χ^2 /NDF:170.2/12

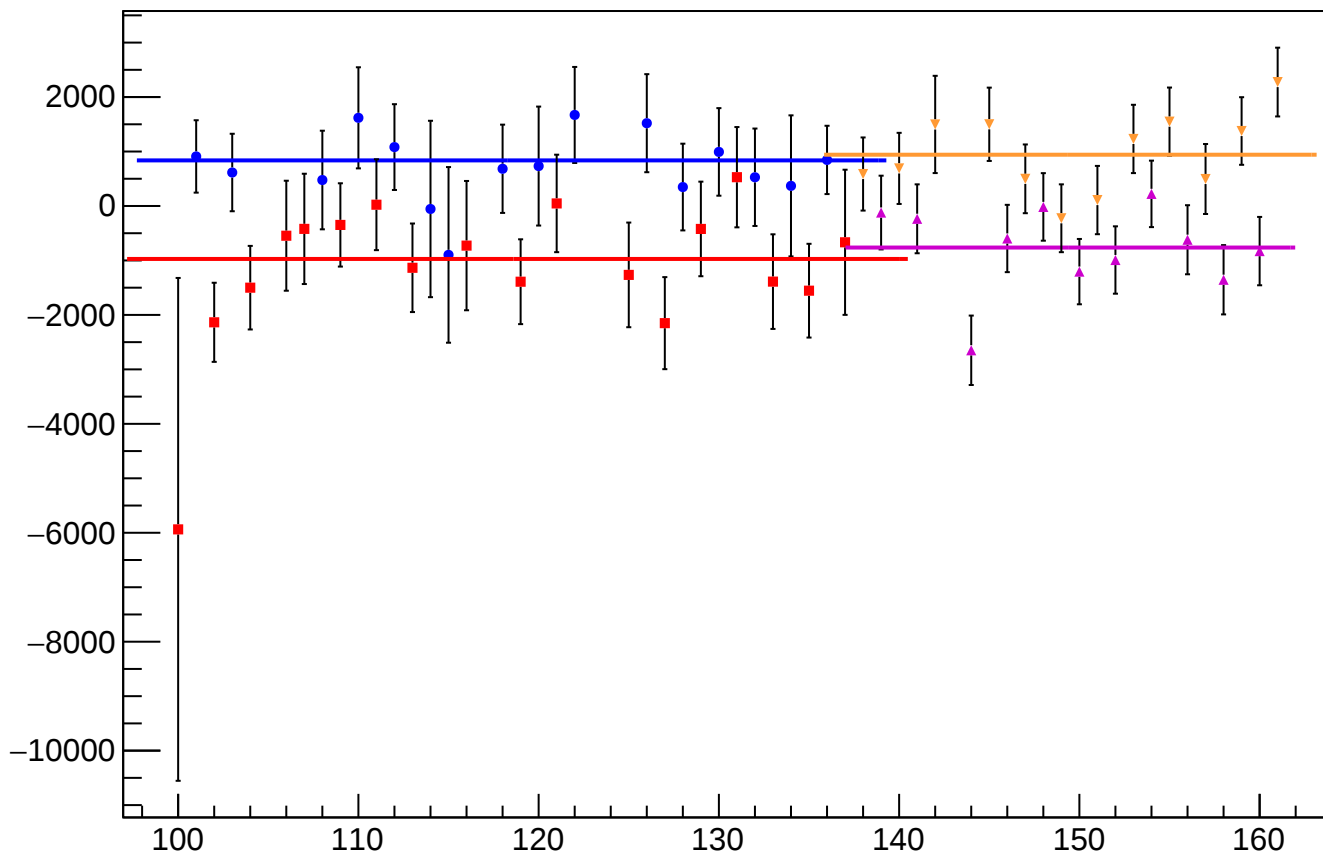
Right Out: 124.752 $\pm$ 0.034 χ^2 /NDF: 580350.4/18

Left In: 138.209 $\pm$ 0.033 χ^2 /NDF:66.9/10

128.543 $\pm$ 0.023 χ^2 /NDF: 864276.9/29

131.718 $\pm$ 0.023 χ^2 /NDF: 662732.2/29

reg_asym_left_avg_mean vs Slug



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

Left Out: 941.284 $\pm$ 188.044 χ^2 /NDF:13.9/11

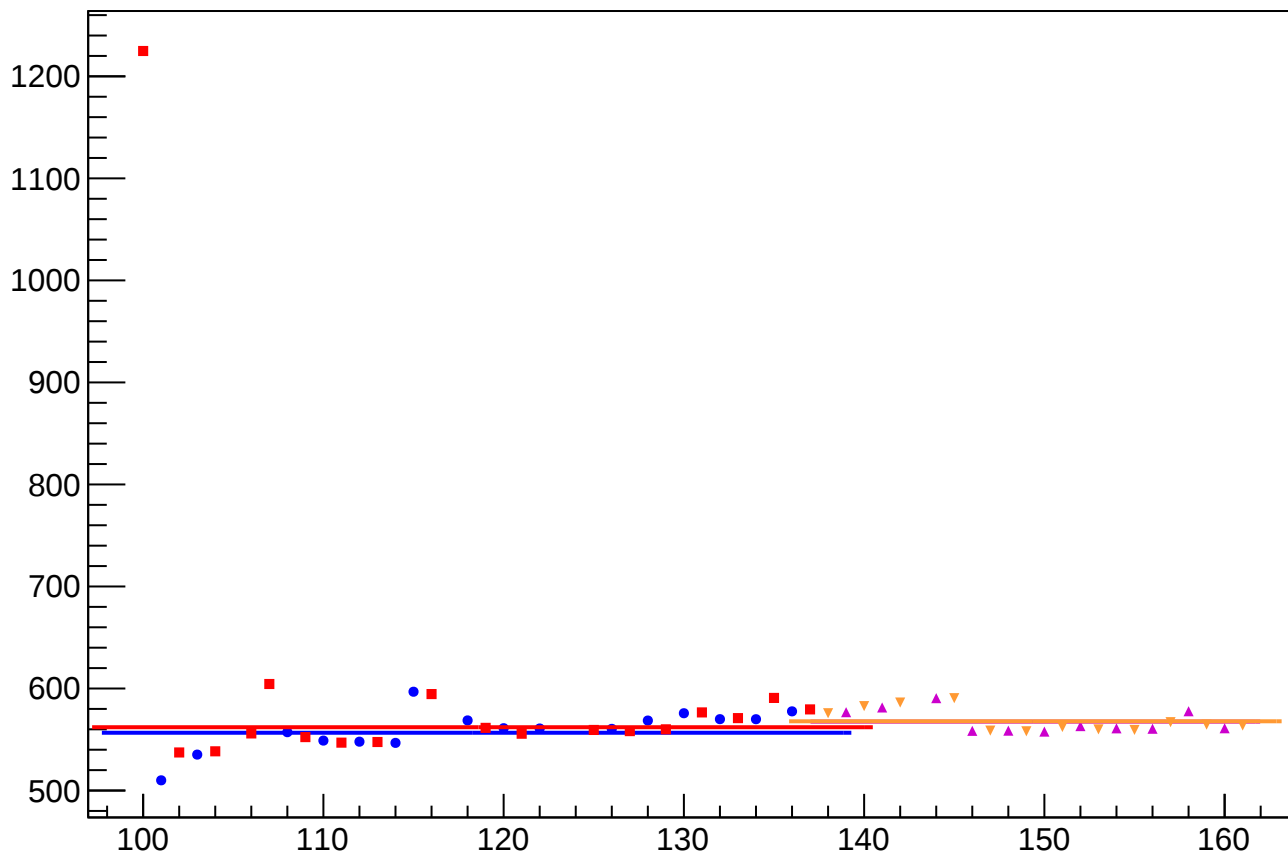
Right Out: -972.425 $\pm$ 212.746 χ^2 /NDF: 14.3/17

Left In: -763.081 $\pm$ 189.189 χ^2 /NDF:16.1/10

896.387 $\pm$ 141.880 χ^2 /NDF: 18.7/27

-855.525 $\pm$ 141.375 χ^2 /NDF: 30.9/28

reg_asym_left_avg_rms vs Slug



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

Left Out: 567.874+/-0.133 χ^2/NDF : 6329.9/11

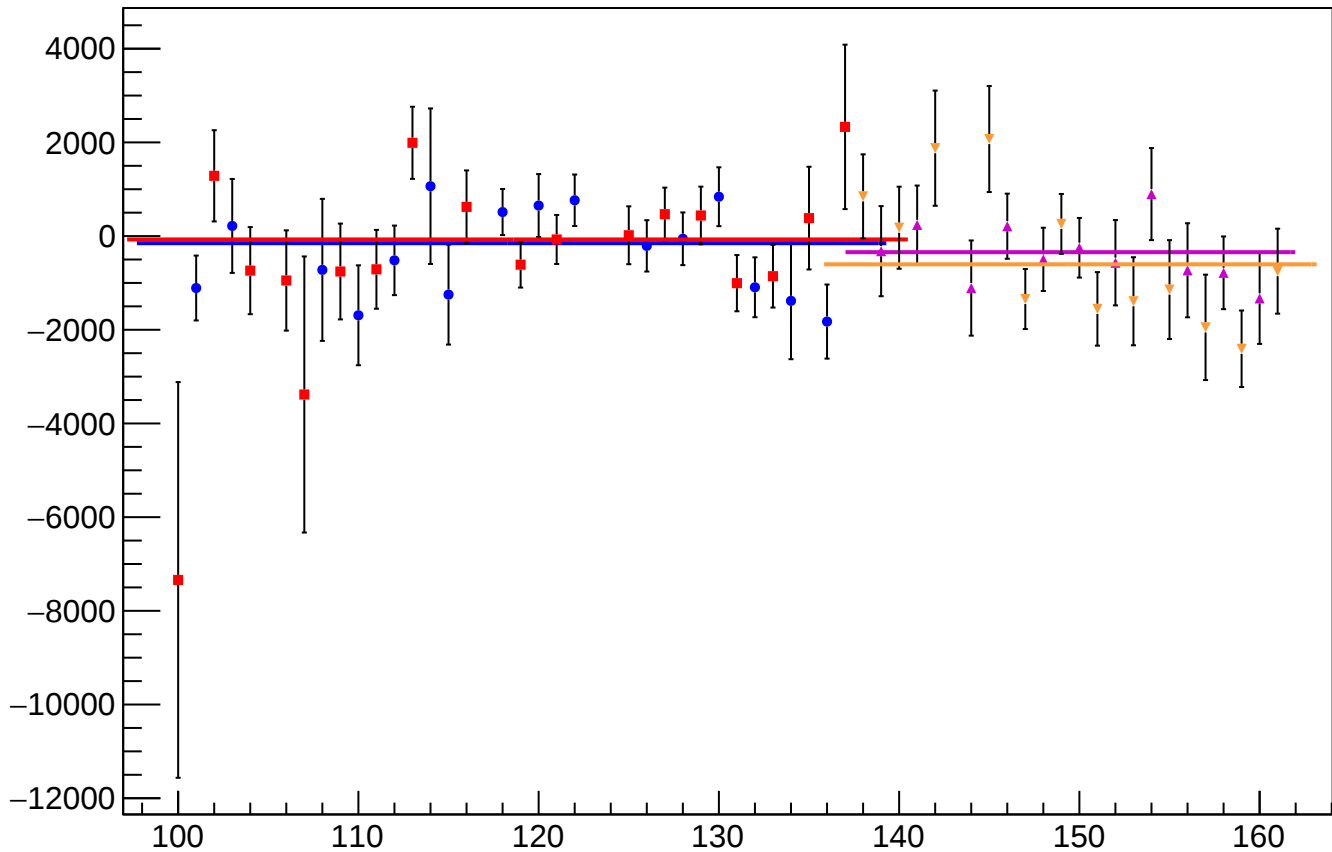
Right Out: 562.048+/-0.150 χ^2/NDF : 55575.3/17

Left In: 567.540+/-0.134 χ^2/NDF : 6607.3/10

563.034+/-0.100 χ^2/NDF : 27797.9/27

565.115+/-0.100 χ^2/NDF : 62926.9/28

asym_left_avg_correction_mean vs Slug



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

Left Out: -602.666 ± 249.800 χ^2/NDF : 25.0/11

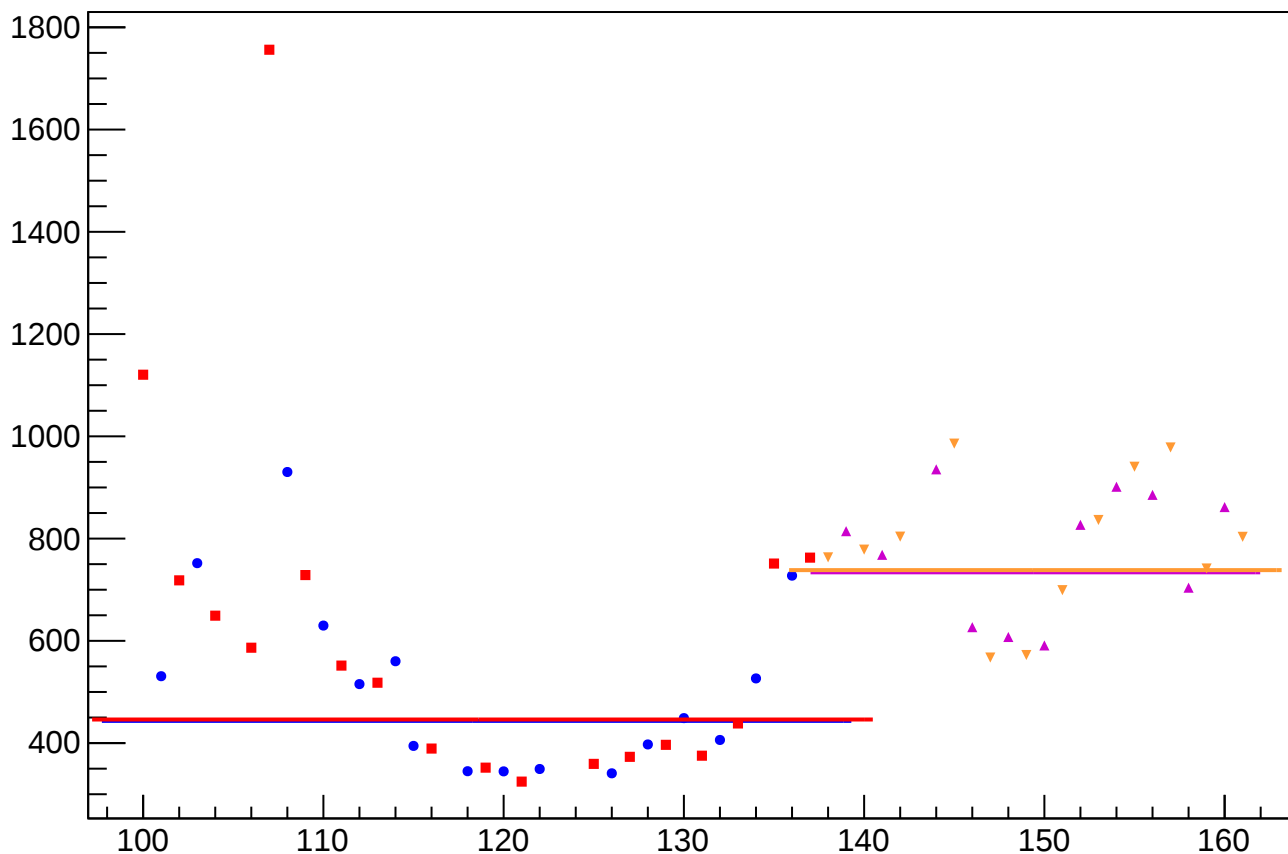
Right Out: -71.760 ± 178.665 χ^2/NDF : 25.0/17

Left In: -343.293 ± 248.818 χ^2/NDF : 4.9/10

-306.031 ± 146.078 χ^2/NDF : 49.4/27

-164.135 ± 145.127 χ^2/NDF : 30.7/28

asym_left_avg_correction_rms vs Slug



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

Left Out: 738.319+/-0.177 χ^2/NDF : 585709.5/11

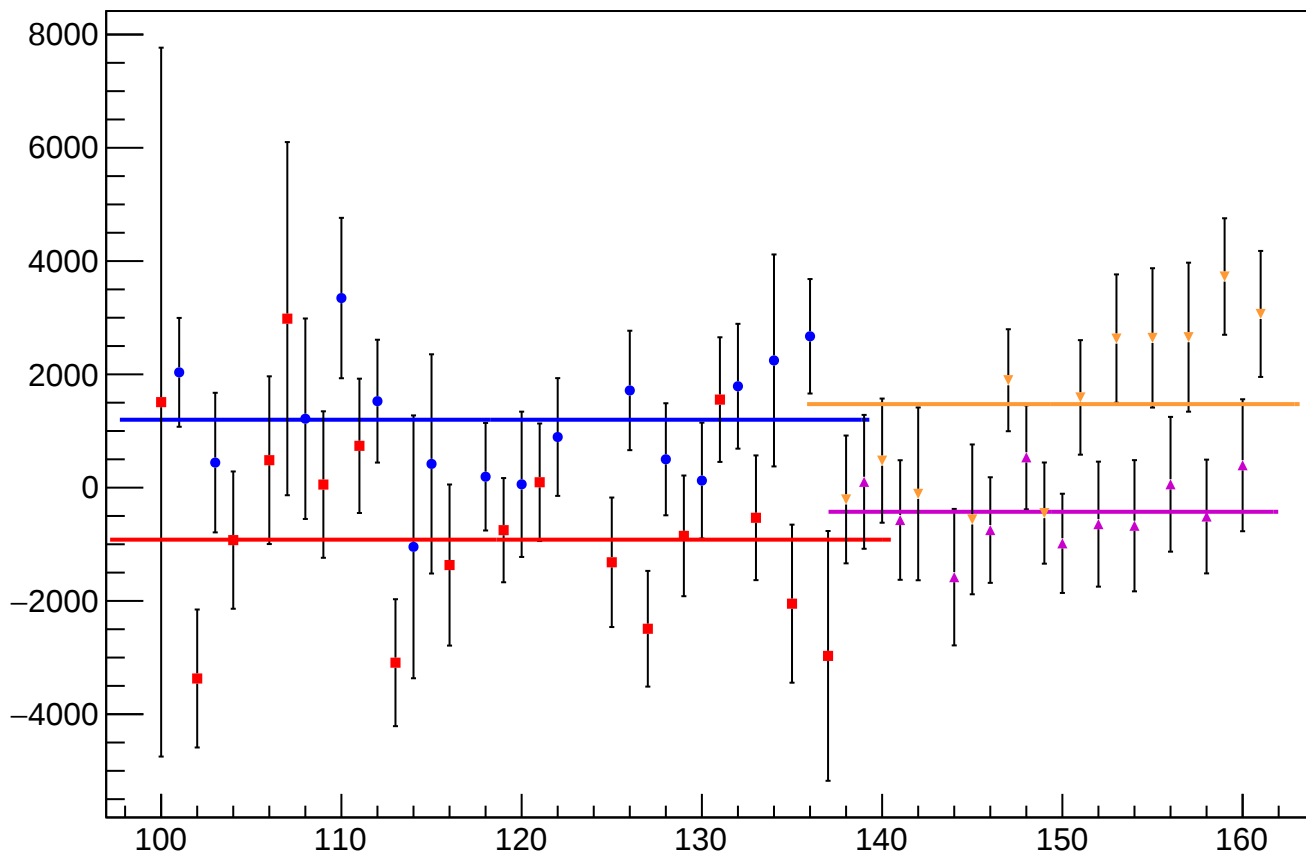
Right Out: 446.147+/-0.126 χ^2/NDF : 1459986.4/17

Left In: 734.013+/-0.176 χ^2/NDF : 476630.7/10

544.286+/-0.103 χ^2/NDF : 3480430.8/27

544.078+/-0.103 χ^2/NDF : 3702903.7/28

asym_left_avg_mean vs Slug



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

Left Out: 1474.674 ± 318.519 χ^2/NDF : 21.0/11

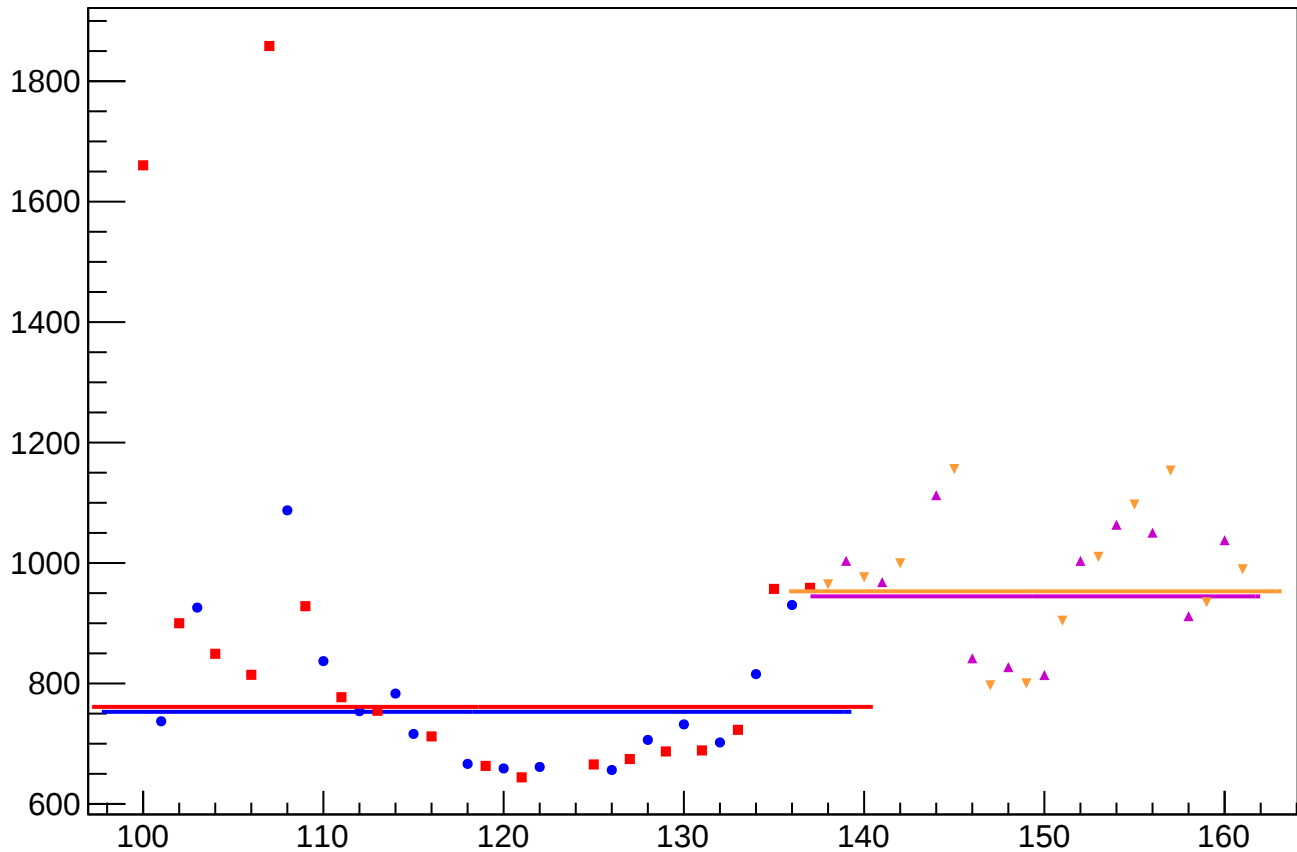
Right Out: -918.412 ± 293.294 χ^2/NDF : 23.2/17

Left In: -426.463 ± 317.127 χ^2/NDF : 3.5/10

1326.382 ± 216.530 χ^2/NDF : 32.6/27

-691.616 ± 215.323 χ^2/NDF : 28.0/28

asym_left_avg_rms vs Slug



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

Left Out: 953.056 $\pm$ 0.225 χ^2 /NDF: 255300.4/11

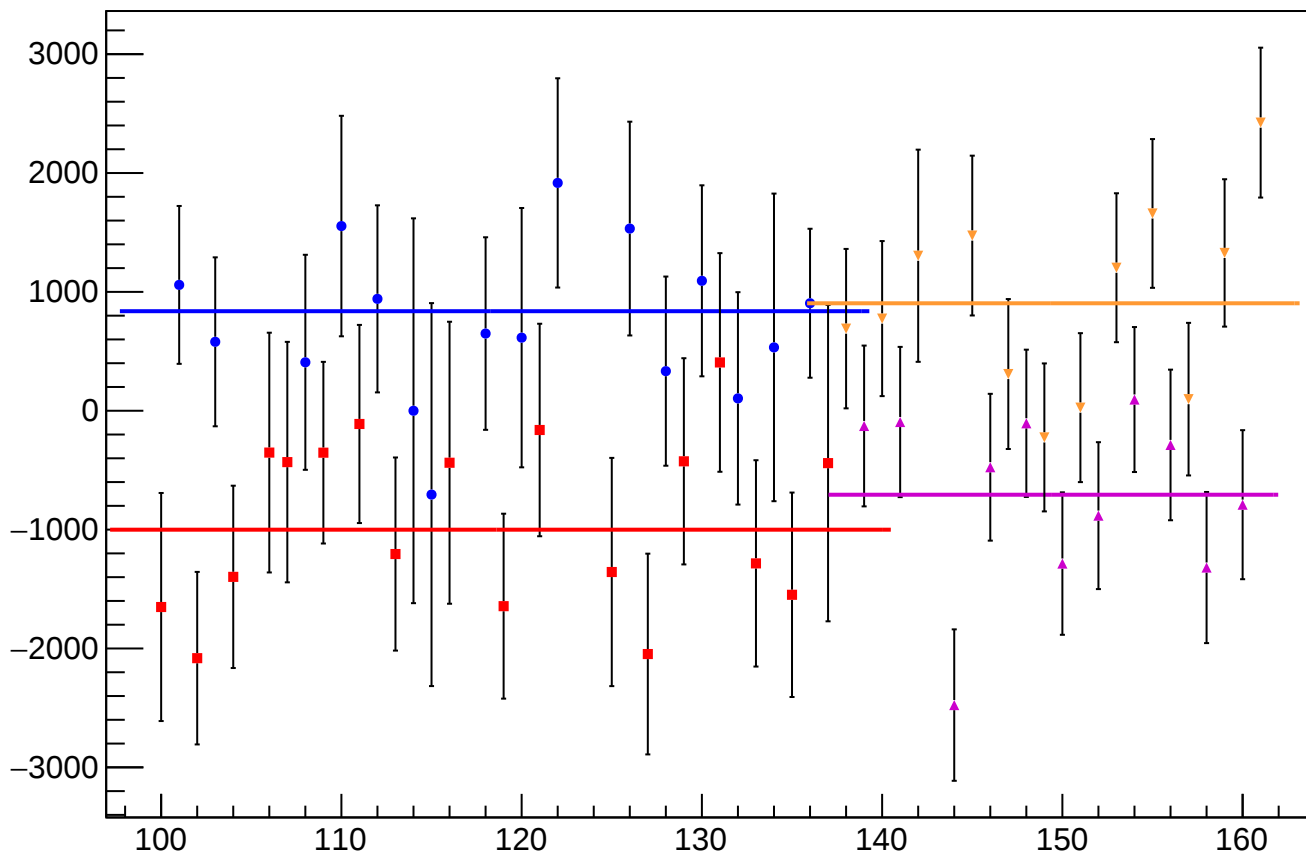
Right Out: 761.160 $\pm$ 0.207 χ^2 /NDF: 517136.7/17

Left In: 944.616 $\pm$ 0.224 χ^2 /NDF: 203981.3/10

845.419 $\pm$ 0.153 χ^2 /NDF: 932458.5/27

845.736 $\pm$ 0.152 χ^2 /NDF: 1081864.7/28

reg_asym_left_dd_mean vs Slug



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

Left Out: 904.187 ± 187.881 χ^2/NDF : 16.7/11

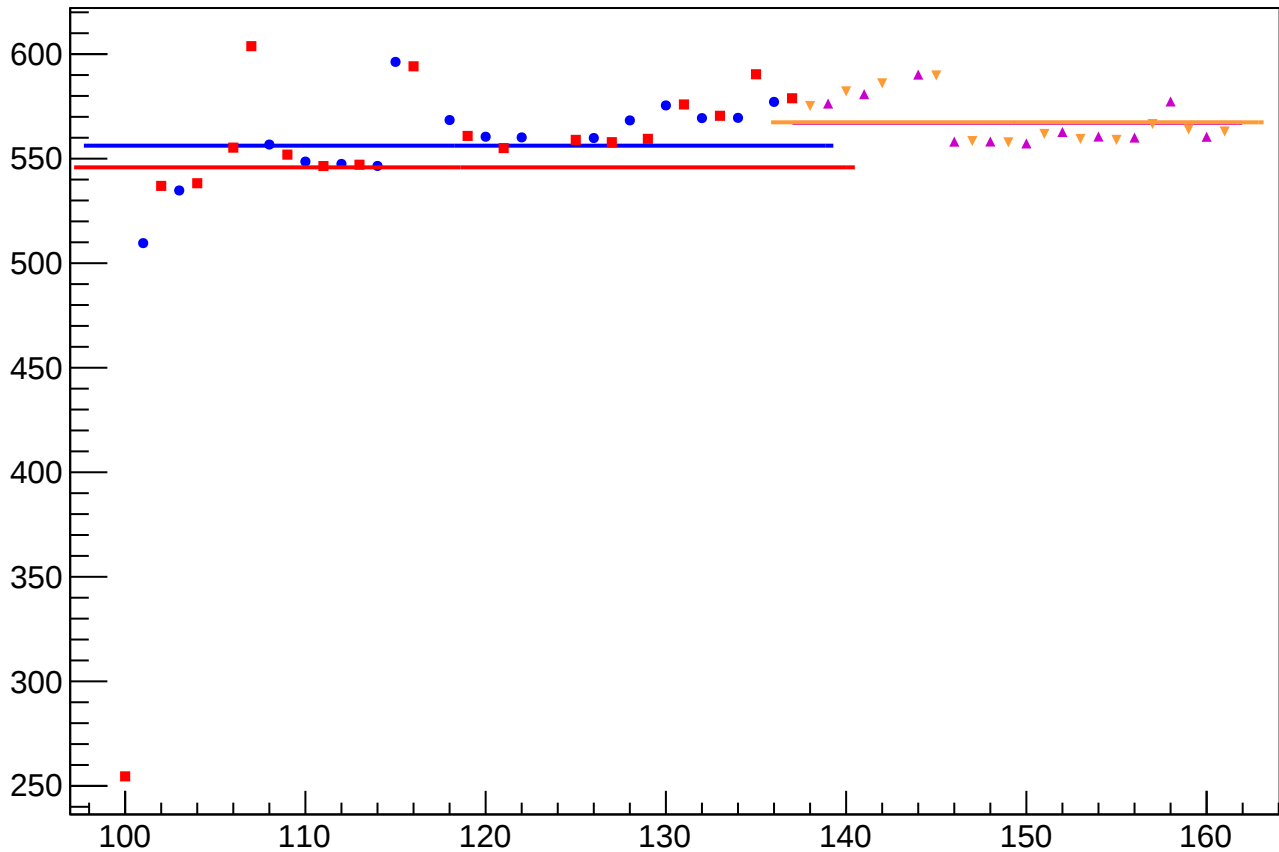
Right Out: -1000.617 ± 207.748 χ^2/NDF : 12.5/17

Left In: -706.484 ± 189.042 χ^2/NDF : 14.6/10

875.491 ± 141.763 χ^2/NDF : 22.5/27

-839.715 ± 139.819 χ^2/NDF : 28.2/28

reg_asym_left_dd_rms vs Slug



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

Left Out: 567.382 $\pm$ 0.133 χ^2 /NDF: 6276.3/11

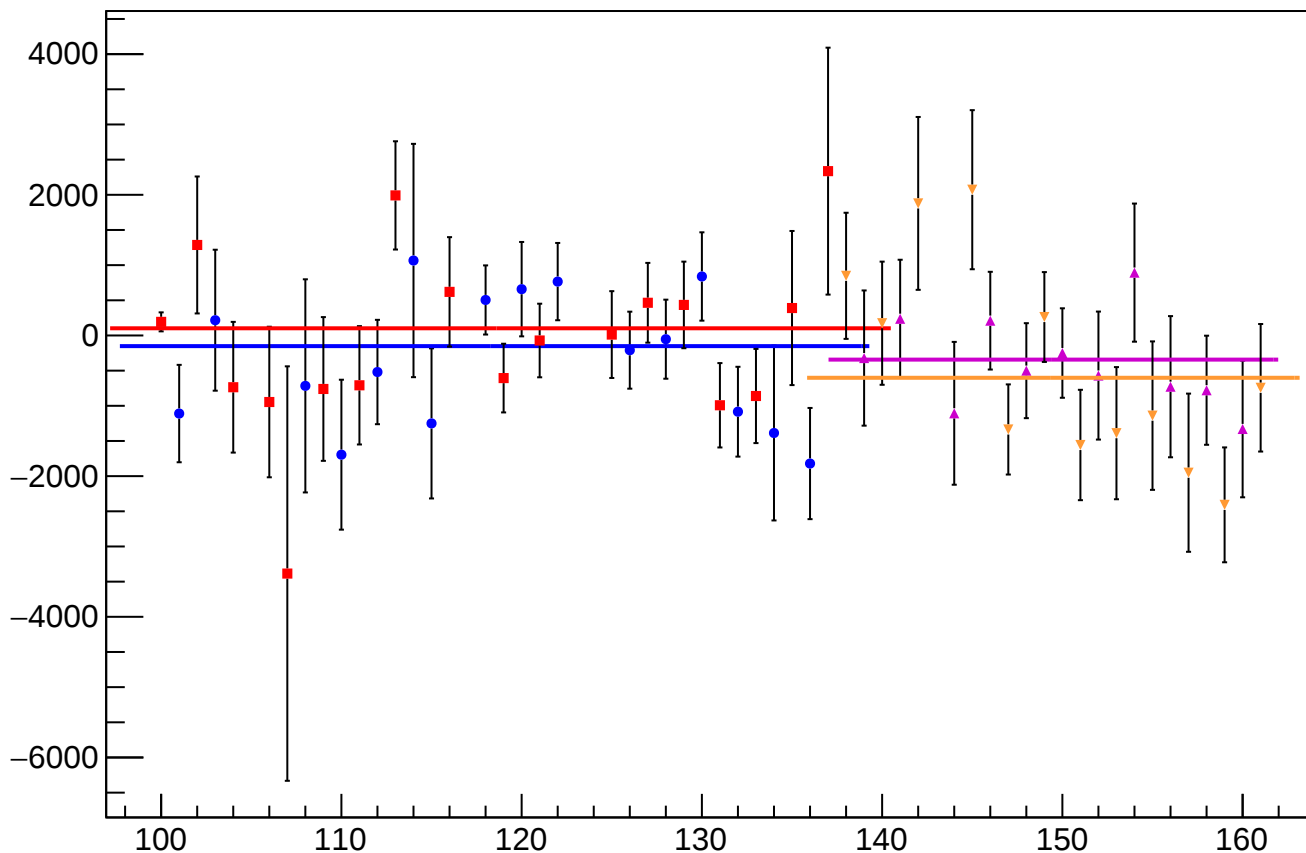
Right Out: 545.844 $\pm$ 0.147 χ^2 /NDF: 207640.3/17

Left In: 567.099 $\pm$ 0.134 χ^2 /NDF: 6638.1/10

562.570 $\pm$ 0.100 χ^2 /NDF: 27739.0/27

557.471 $\pm$ 0.099 χ^2 /NDF: 225729.9/28

asym_left_dd_correction_mean vs Slug



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

Left Out: -601.582+/-249.684 χ^2/NDF : 25.0/11

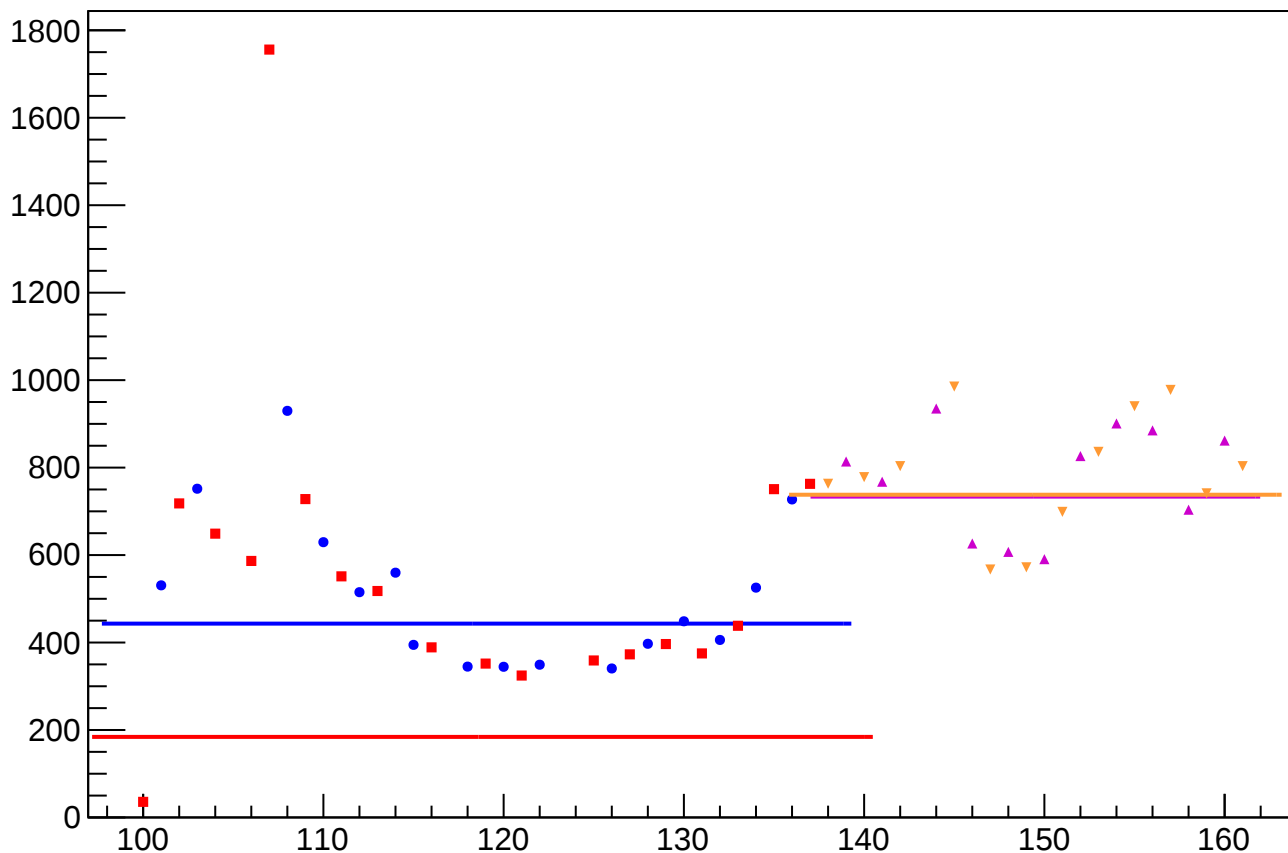
Right Out: 102.079+/-107.707 χ^2/NDF : 23.2/17

Left In: -343.243+/-248.696 χ^2/NDF : 4.9/10

-305.381+/-146.008 χ^2/NDF : 49.4/27

31.745+/-98.836 χ^2/NDF : 30.8/28

asym_left_dd_correction_rms vs Slug



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

Left Out: 737.975+/-0.177 χ^2/NDF : 586066.0/11

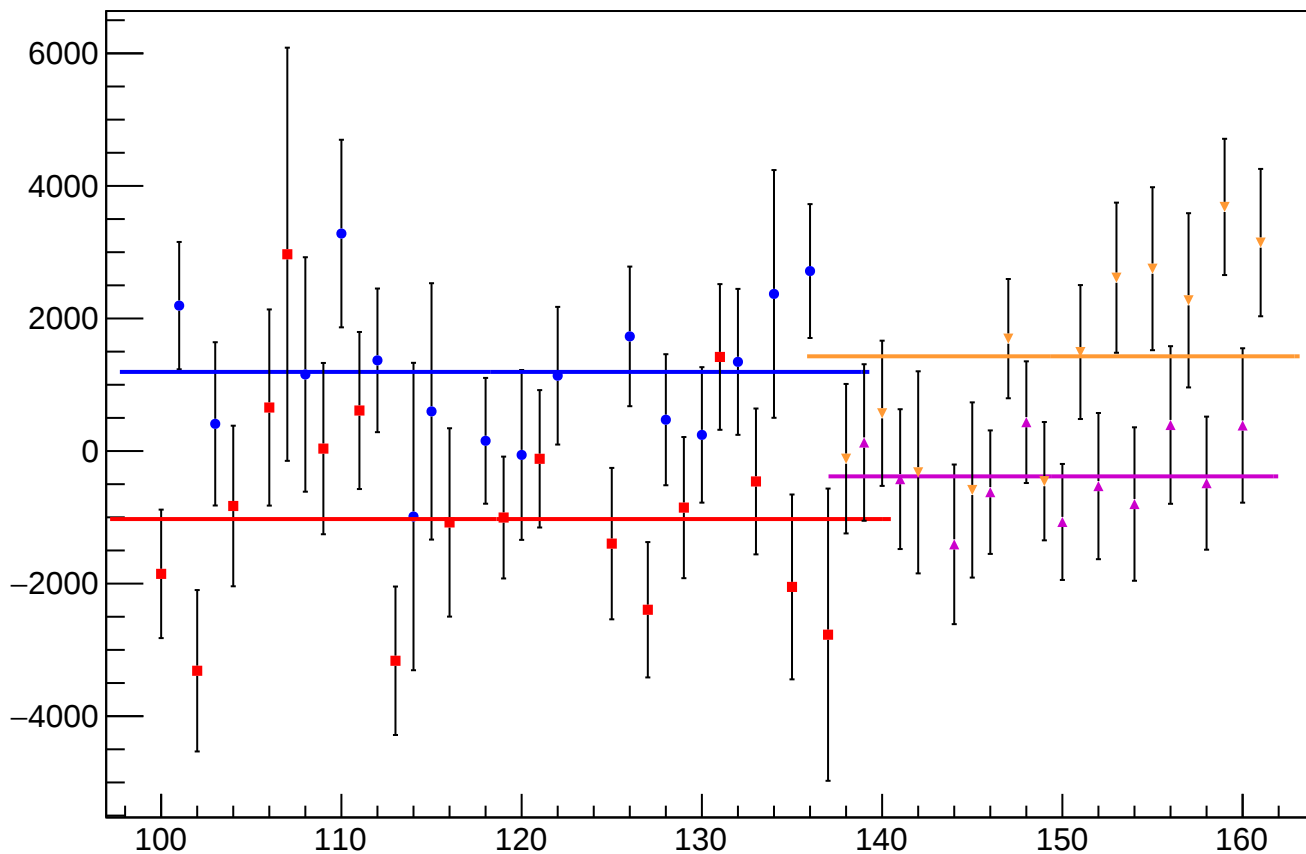
Right Out: 184.215+/-0.076 χ^2/NDF : 8079776.8/17

Left In: 733.653+/-0.176 χ^2/NDF : 476829.2/10

544.027+/-0.103 χ^2/NDF : 3480707.2/27

270.994+/-0.070 χ^2/NDF : 16776593.2/28

asym_left_dd_mean vs Slug



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

Left Out: 1429.228 ± 318.331 χ^2/NDF : 20.5/11

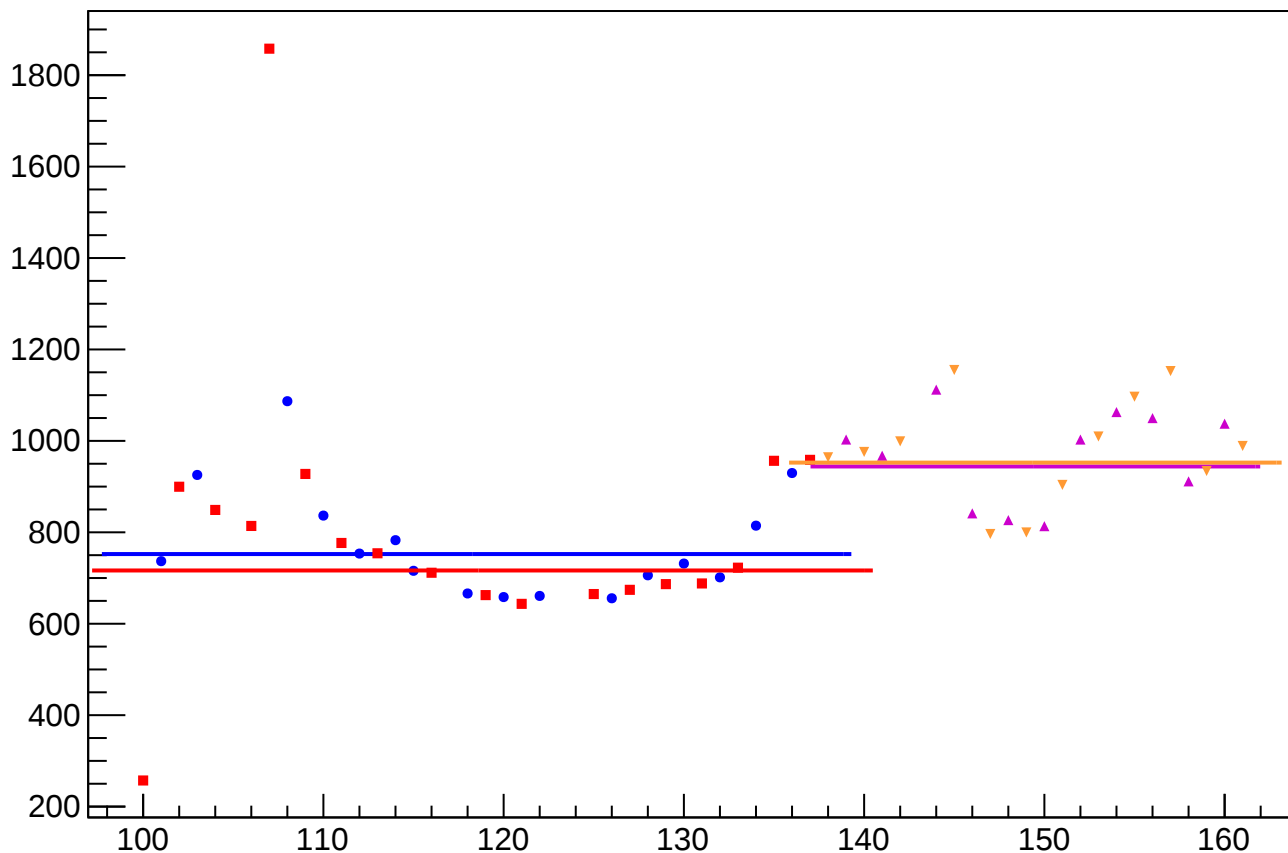
Right Out: -1026.130 ± 280.822 χ^2/NDF : 22.5/17

Left In: -382.055 ± 316.937 χ^2/NDF : 3.4/10

1302.616 ± 216.393 χ^2/NDF : 32.0/27

-742.865 ± 210.185 χ^2/NDF : 28.3/28

asym_left_dd_rms vs Slug



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

Left Out: 952.496+/-0.225 χ^2/NDF : 255229.5/11

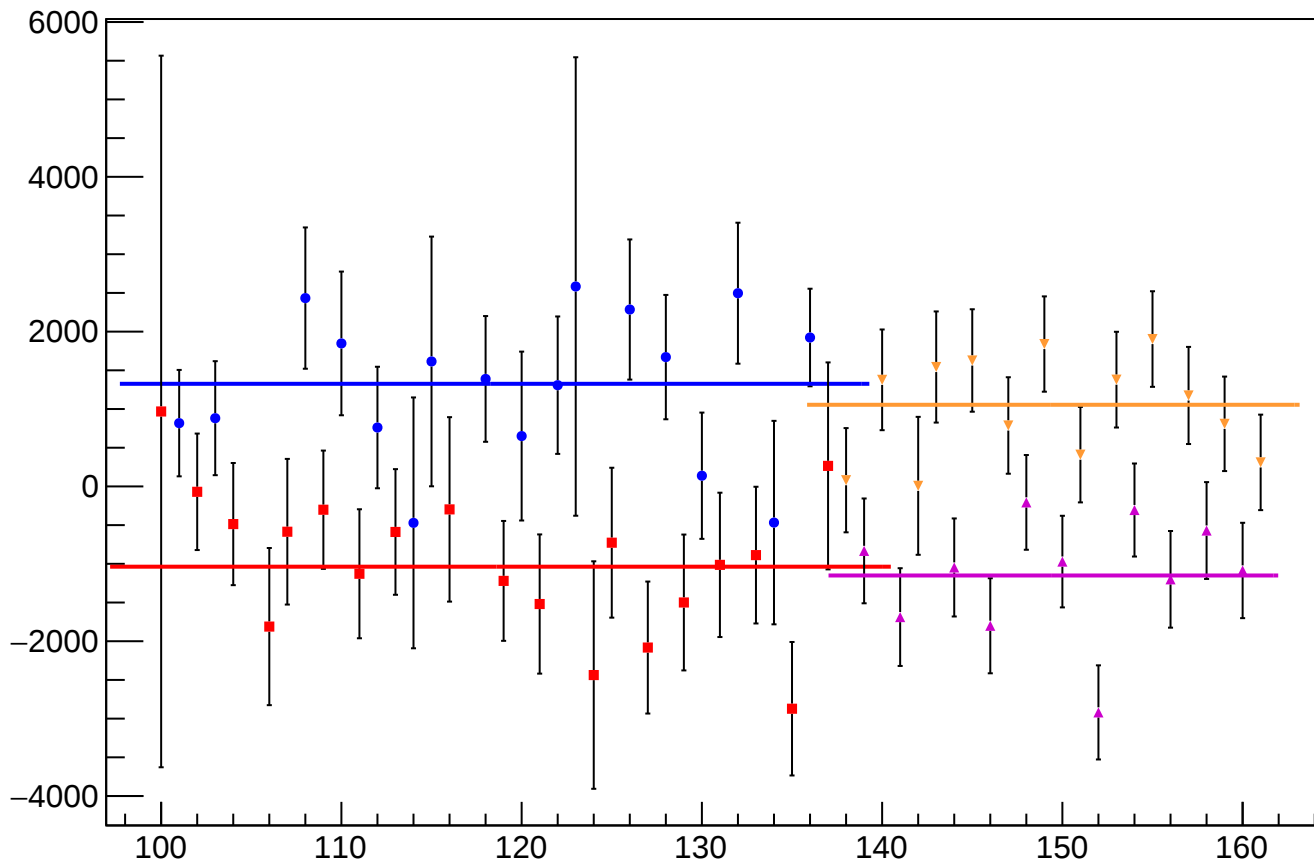
Right Out: 716.522+/-0.199 χ^2/NDF : 966934.7/17

Left In: 944.049+/-0.224 χ^2/NDF : 204092.9/10

844.878+/-0.153 χ^2/NDF : 932878.1/27

816.589+/-0.149 χ^2/NDF : 1748444.2/28

reg_asym_right_avg_mean vs Slug



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

Left Out: 1054.796 ± 179.661 χ^2/NDF : 11.7/12

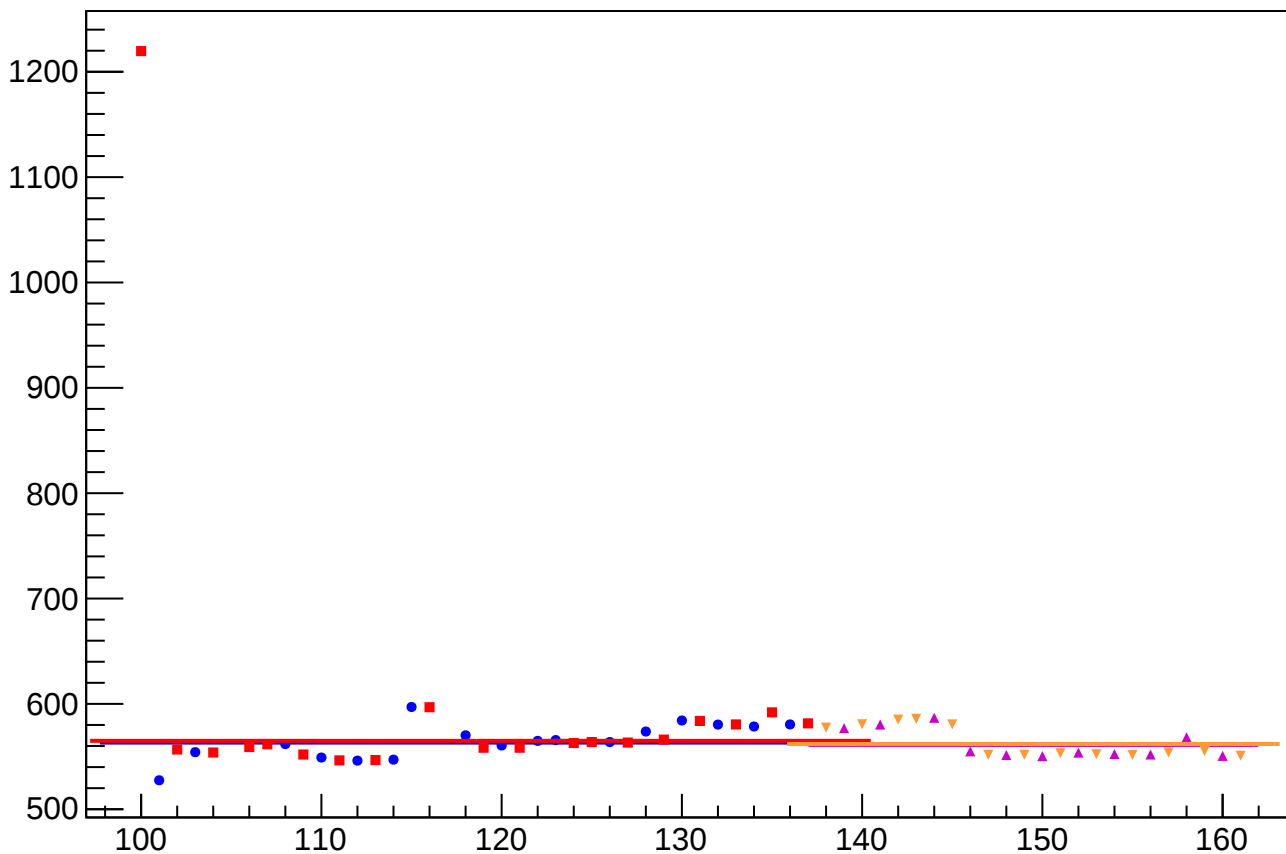
Right Out: -1037.028 ± 211.583 χ^2/NDF : 13.4/18

Left In: -1150.706 ± 187.034 χ^2/NDF : 15.9/10

1164.337 ± 138.672 χ^2/NDF : 25.5/29

-1100.842 ± 140.132 χ^2/NDF : 29.5/29

reg_asym_right_avg_rms vs Slug



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

Left Out: 561.932+/-0.127 χ^2/NDF :11624.4/12

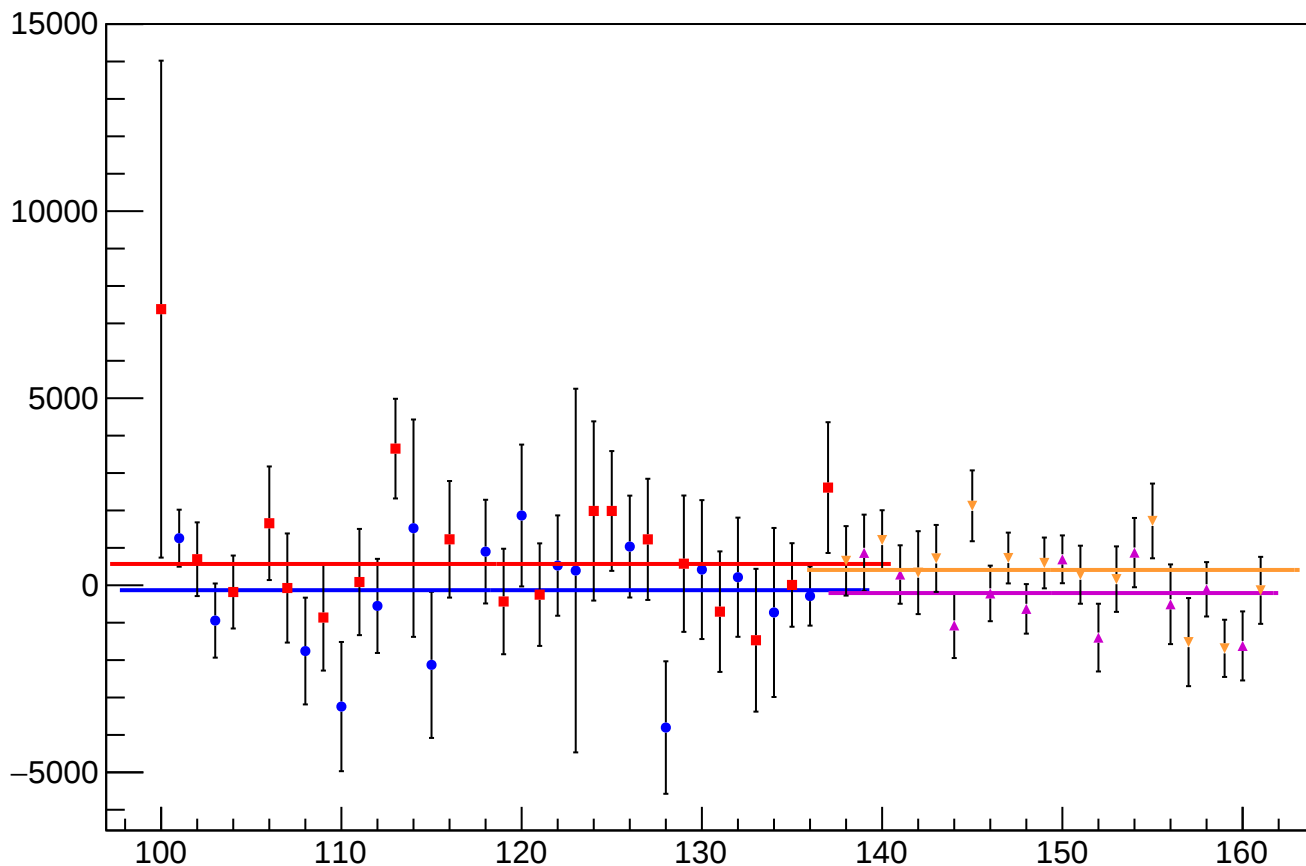
Right Out: 564.944+/-0.150 χ^2/NDF : 49295.9/18

Left In: 561.030+/-0.132 χ^2/NDF :9585.9/10

562.471+/-0.098 χ^2/NDF : 24189.3/29

562.747+/-0.099 χ^2/NDF : 59266.0/29

asym_right_avg_correction_mean vs Slug



Right In: -131.097 ± 327.588 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 409.746 ± 236.340 $\chi^2/\text{NDF}: 17.2/12$

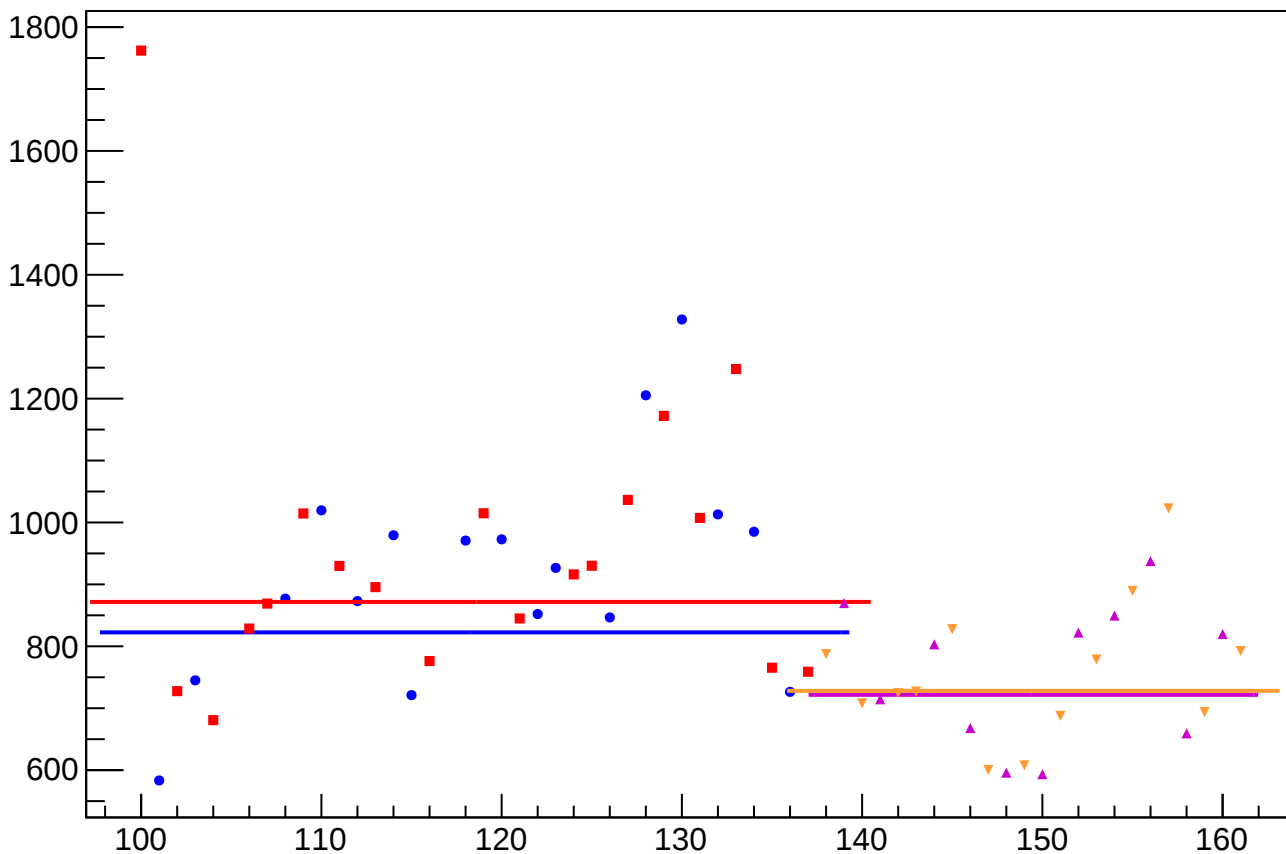
Right Out: 569.844 ± 332.404 $\chi^2/\text{NDF}: 14.6/18$

Left In: -207.703 ± 244.058 $\chi^2/\text{NDF}: 10.4/10$

224.604 ± 191.665 $\chi^2/\text{NDF}: 36.2/29$

64.641 ± 196.726 $\chi^2/\text{NDF}: 28.6/29$

asym_right_avg_correction_rms vs Slug



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

Left Out: 728.069+/-0.167 χ^2/NDF : 369383.4/12

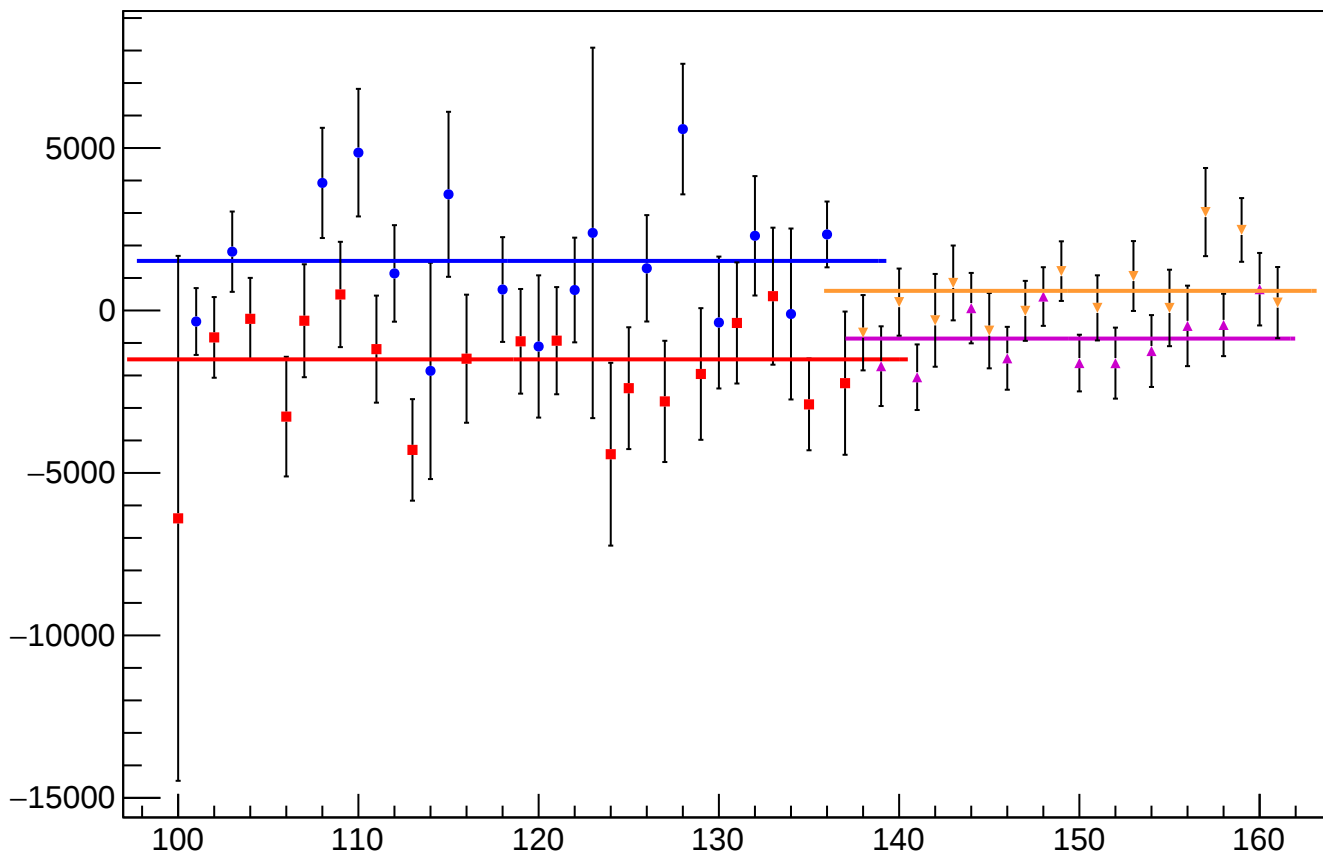
760.404+/-0.136 χ^2/NDF : 1079701.8/29

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

774.200+/-0.139 χ^2/NDF : 1076356.5/29

Left In: 721.650+/-0.173 χ^2/NDF : 404780.6/10

asym_right_avg_mean vs Slug



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

Left Out: 603.868 $\pm$ 301.073 χ^2/NDF : 11.4/12

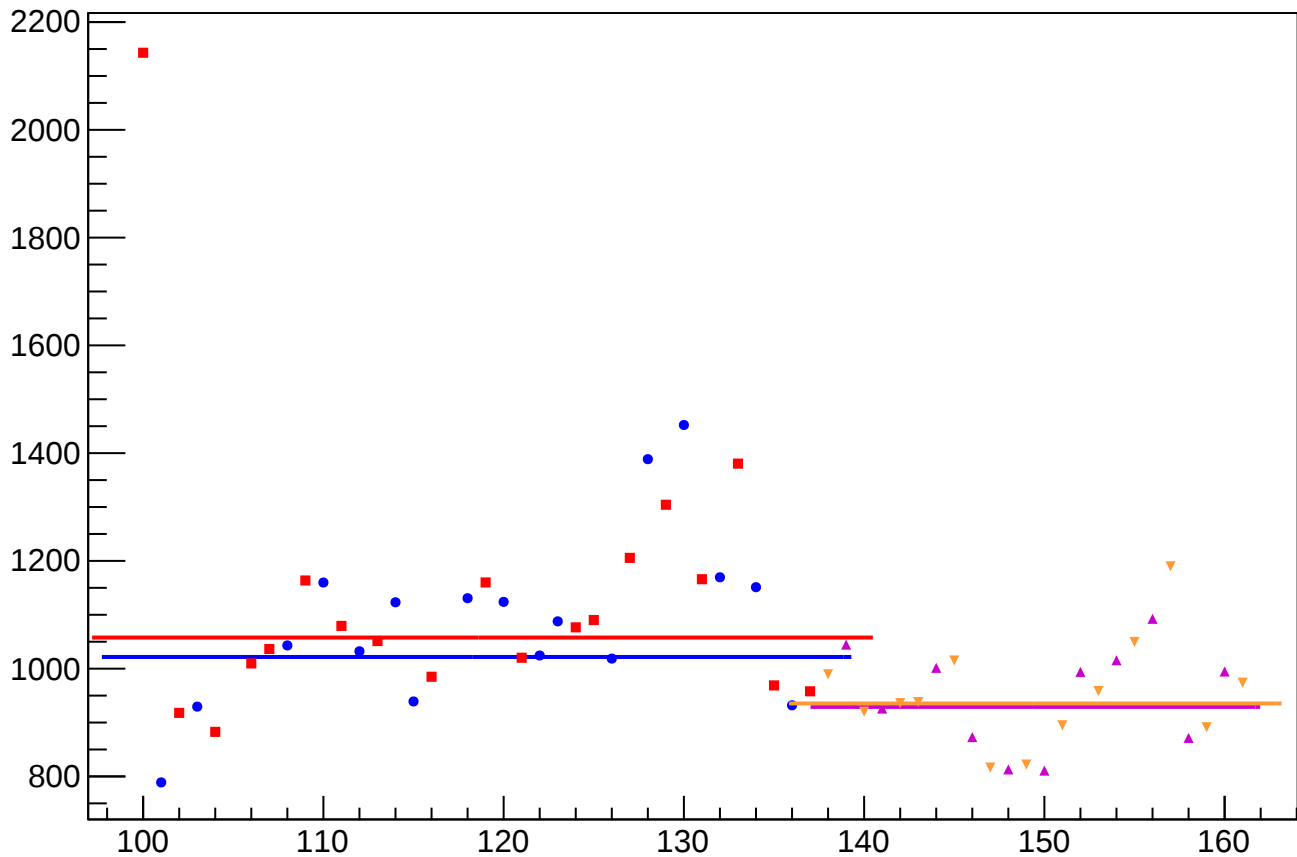
Right Out: -1504.406 $\pm$ 399.953 χ^2/NDF : 12.1/18

Left In: -864.727 $\pm$ 311.547 χ^2/NDF : 8.6/10

935.271 $\pm$ 240.935 χ^2/NDF : 33.0/29

-1106.293 $\pm$ 245.780 χ^2/NDF : 22.3/29

asym_right_avg_rms vs Slug



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

Left Out: 935.401+/-0.213 χ^2/NDF :178048.5/12

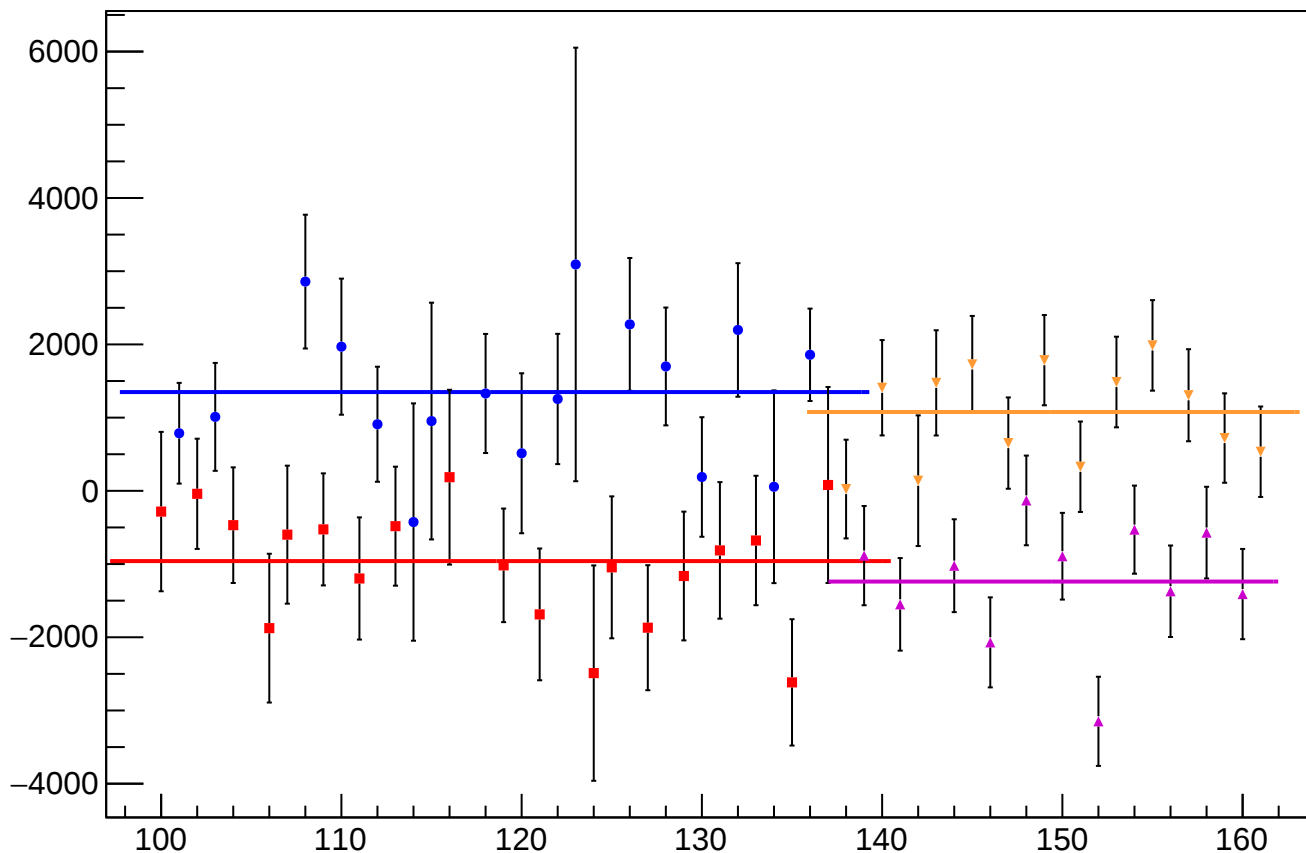
Right Out: 1057.748+/-0.283 χ^2/NDF : 230944.1/18

Left In: 929.047+/-0.220 χ^2/NDF :171525.6/10

966.421+/-0.170 χ^2/NDF : 569038.8/29

977.649+/-0.174 χ^2/NDF : 531359.7/29

reg_asym_right_dd_mean vs Slug



Right In: 1349.156 ± 218.361 $\chi^2/\text{NDF}: 12.3/16$

Left Out: 1076.928 ± 179.844 $\chi^2/\text{NDF}: 12.2/12$

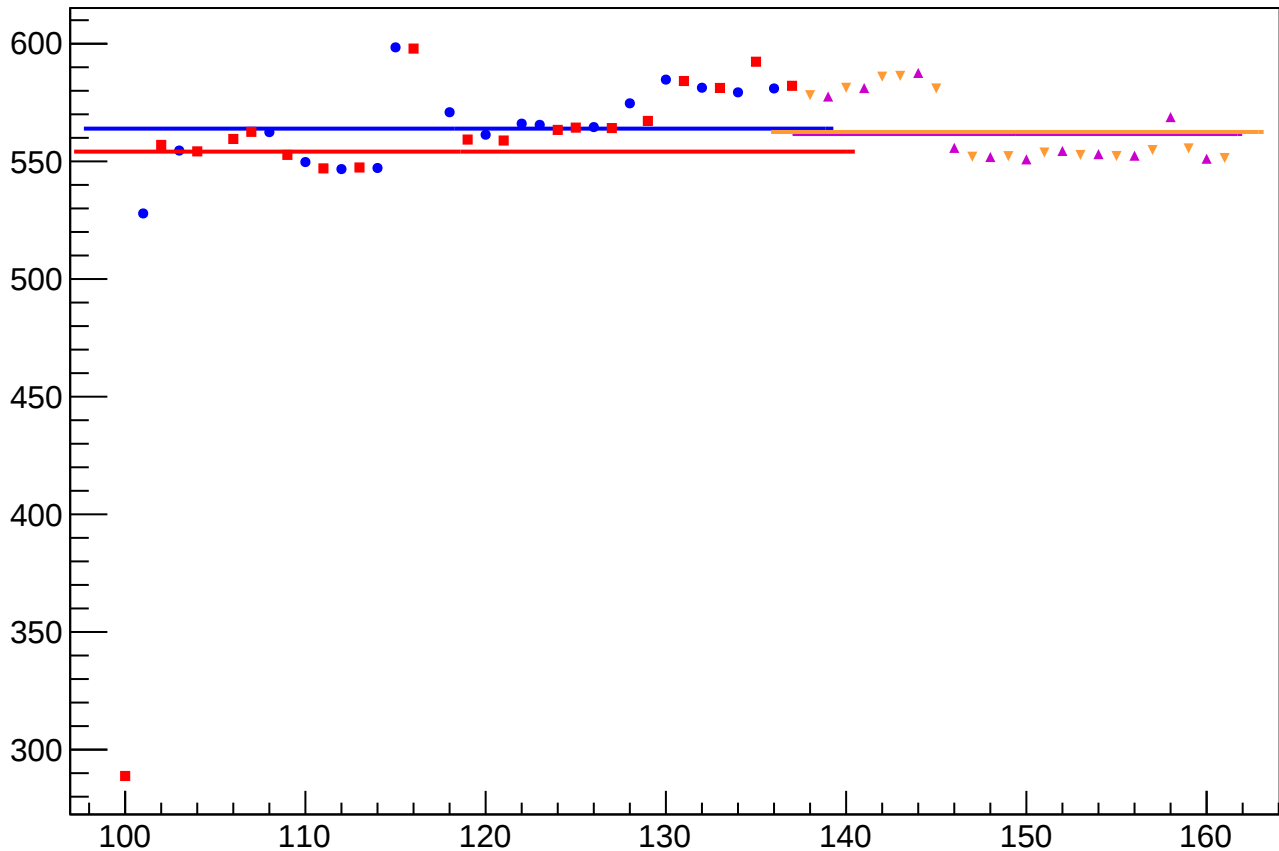
Right Out: -959.496 ± 208.143 $\chi^2/\text{NDF}: 12.2/18$

Left In: -1239.151 ± 187.233 $\chi^2/\text{NDF}: 18.6/10$

1186.954 ± 138.822 $\chi^2/\text{NDF}: 25.4/29$

-1114.072 ± 139.201 $\chi^2/\text{NDF}: 31.8/29$

reg_asym_right_dd_rms vs Slug



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

Left Out: 562.503 $\pm$ 0.127 χ^2 /NDF: 11657.4/12

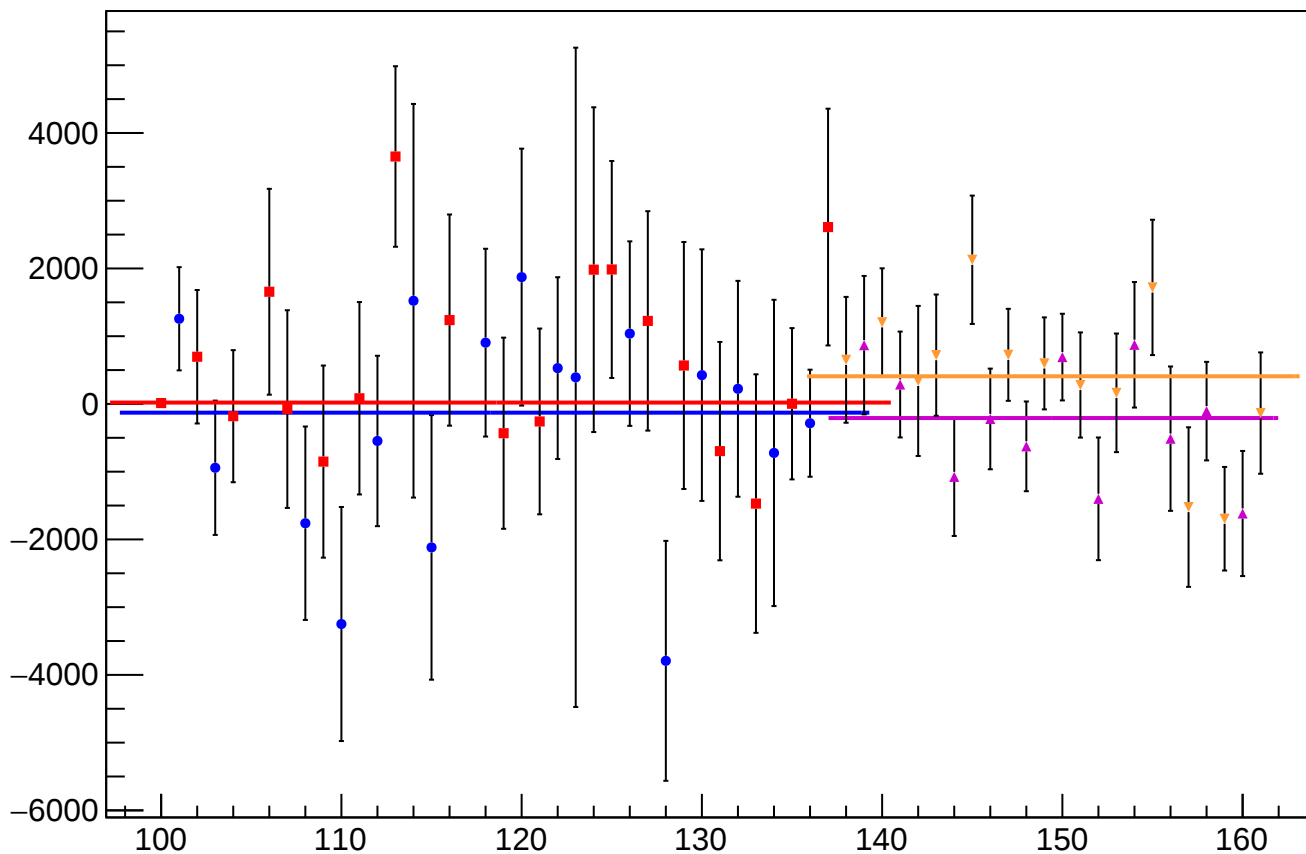
Right Out: 554.145 $\pm$ 0.147 χ^2 /NDF: 131965.1/18

Left In: 561.625 $\pm$ 0.132 χ^2 /NDF: 9681.9/10

563.077 $\pm$ 0.098 χ^2 /NDF: 24370.9/29

558.279 $\pm$ 0.098 χ^2 /NDF: 143074.7/29

asym_right_dd_correction_mean vs Slug



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

Left Out: 408.419 ± 236.423 χ^2/NDF : 17.2/12

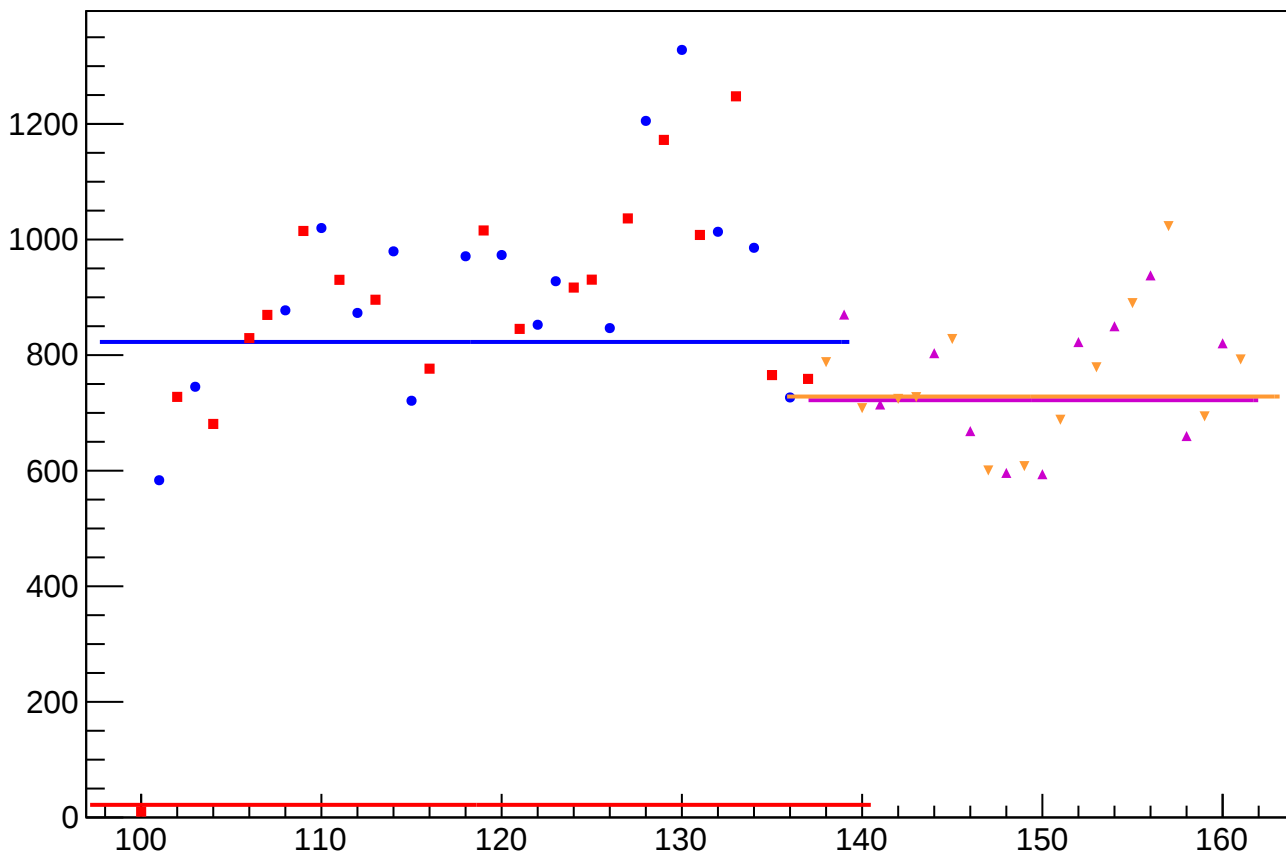
Right Out: 20.384 ± 38.954 χ^2/NDF : 16.1/18

Left In: -208.181 ± 244.175 χ^2/NDF : 10.4/10

224.533 ± 191.730 χ^2/NDF : 36.2/29

14.711 ± 38.468 χ^2/NDF : 27.4/29

asym_right_dd_correction_rms vs Slug



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

Left Out: 728.317+/-0.167 χ^2/NDF :369426.9/12

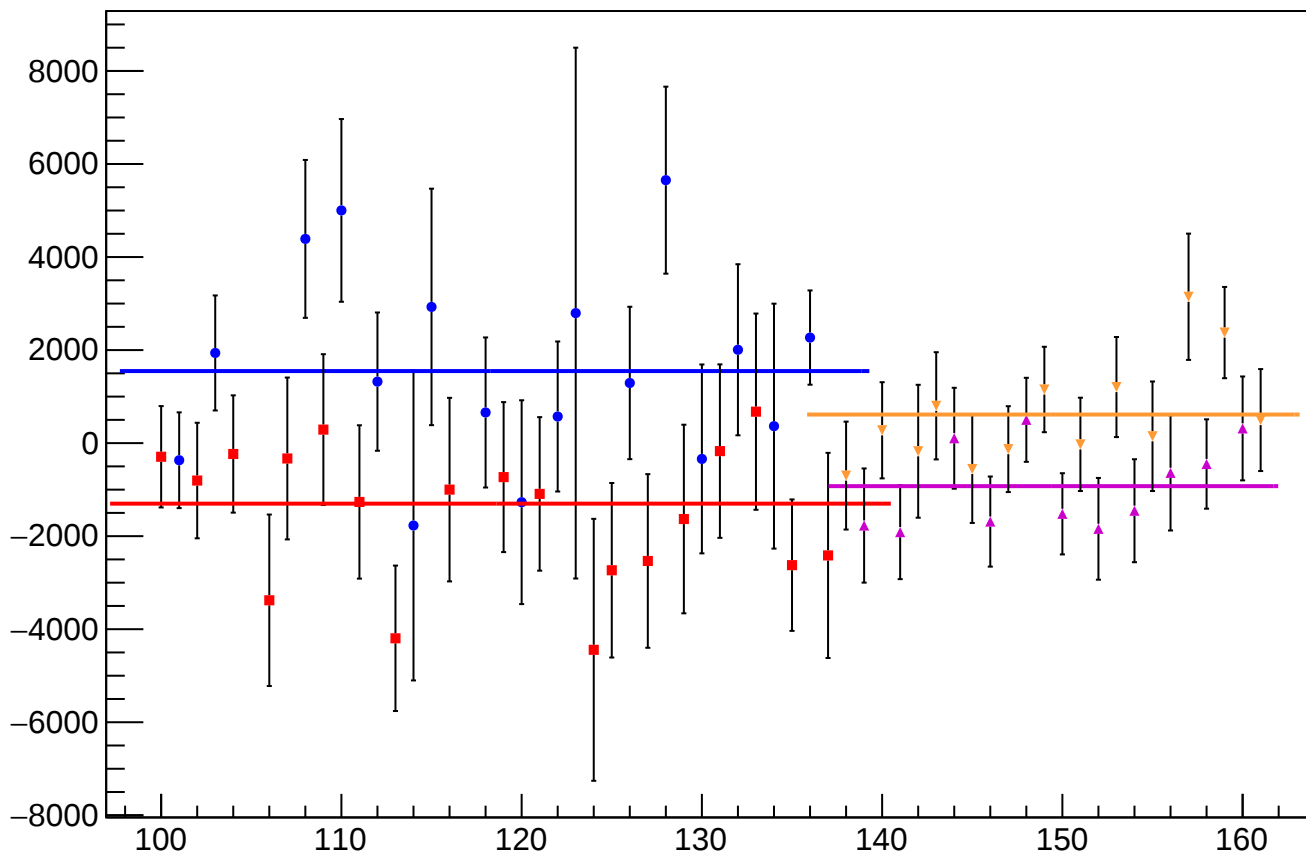
Right Out: 21.812+/-0.028 χ^2/NDF : 13523611.9/18

Left In: 722.005+/-0.173 χ^2/NDF :404507.7/10

760.656+/-0.136 χ^2/NDF : 1079603.3/29

39.191+/-0.027 χ^2/NDF : 29965995.2/29

asym_right_dd_mean vs Slug



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

Left Out: 614.488 ± 301.245 χ^2/NDF : 11.3/12

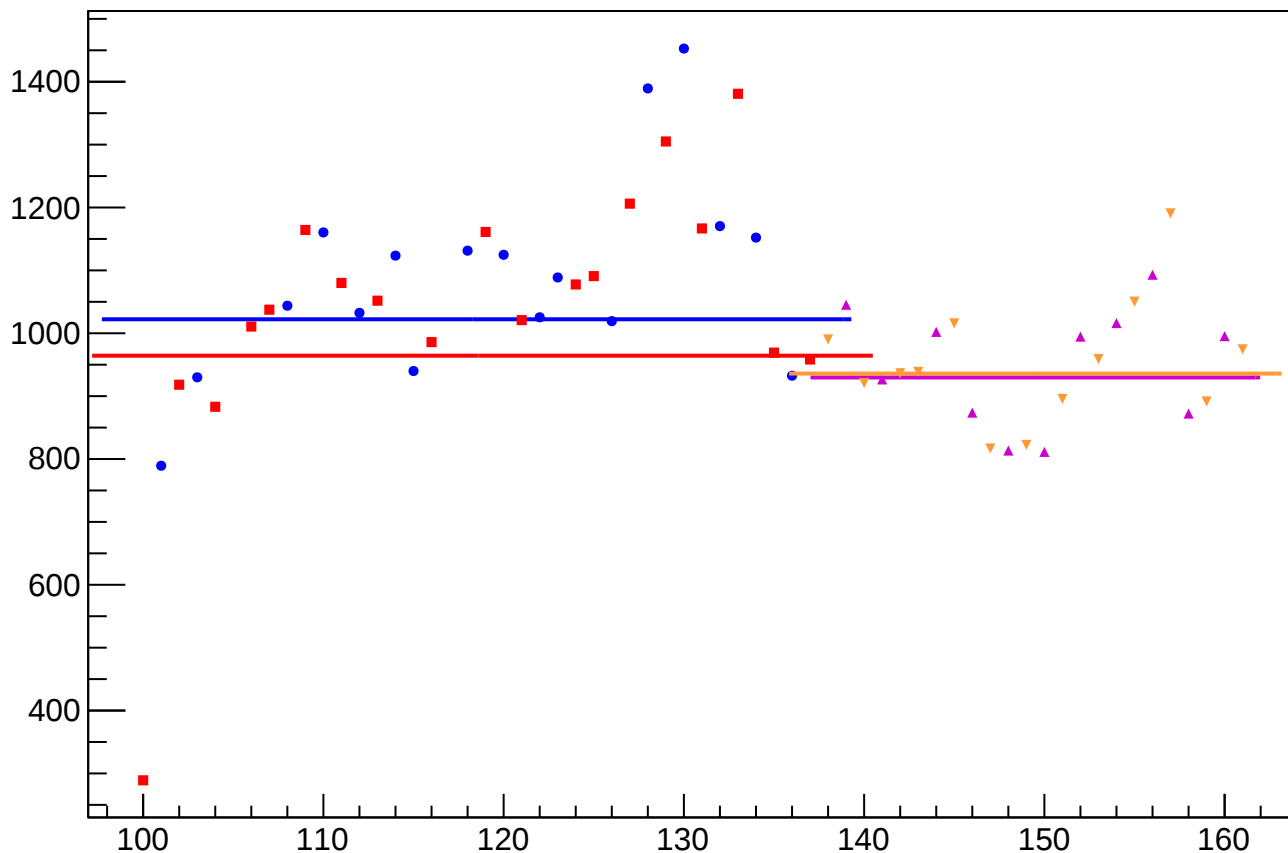
Right Out: -1300.945 ± 376.043 χ^2/NDF : 12.5/18

Left In: -925.017 ± 311.760 χ^2/NDF : 8.4/10

950.494 ± 241.071 χ^2/NDF : 33.8/29

-1078.151 ± 240.005 χ^2/NDF : 21.5/29

asym_right_dd_rms vs Slug



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

Left Out: 935.926+/-0.213 χ^2/NDF : 178173.4/12

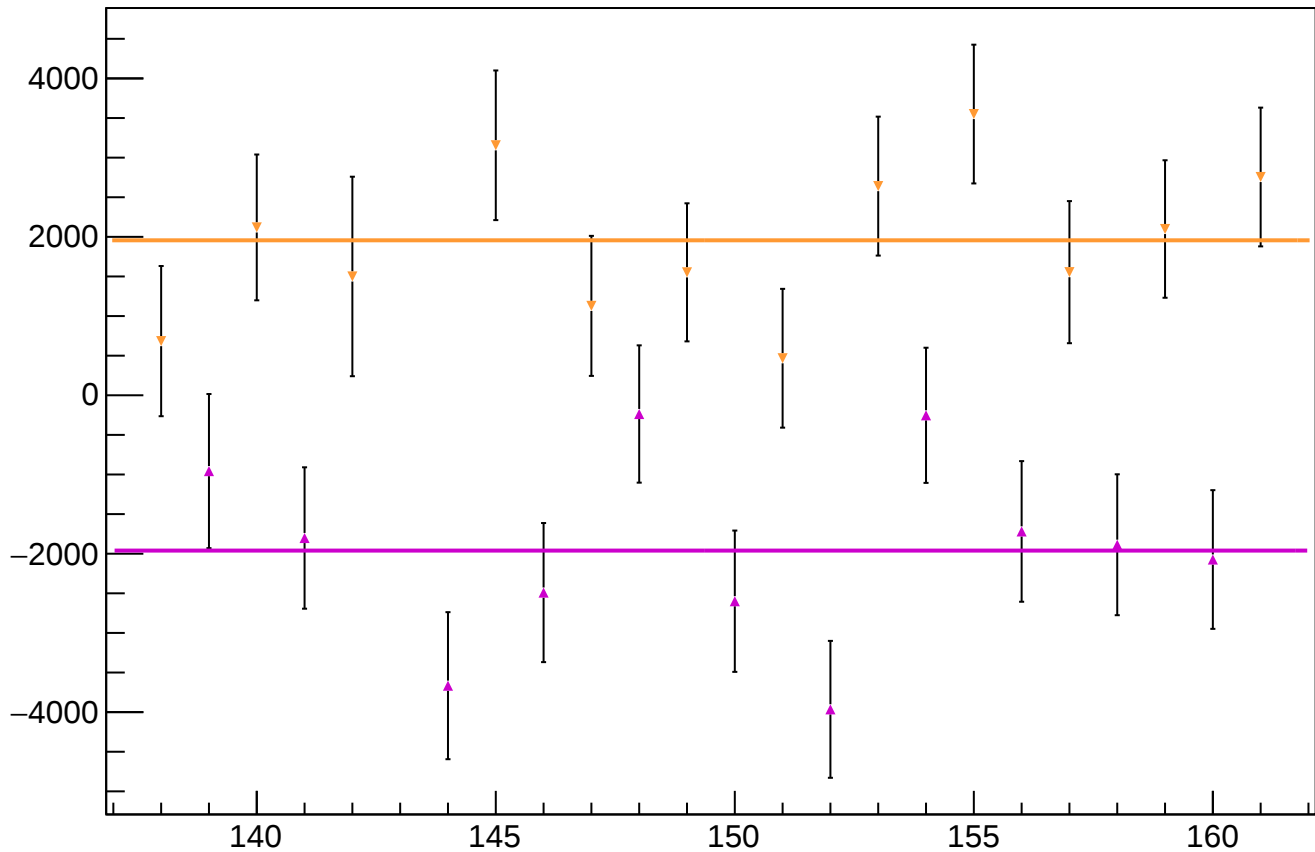
Right Out: 964.330+/-0.266 χ^2/NDF : 1067281.2/18

Left In: 929.687+/-0.220 χ^2/NDF : 171404.9/10

966.965+/-0.170 χ^2/NDF : 569084.5/29

943.798+/-0.170 χ^2/NDF : 1248745.9/29

cor_asym_us_avg_mean vs Slug



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

Left Out: 1956.351+/-263.325 χ^2/NDF :12.5/11

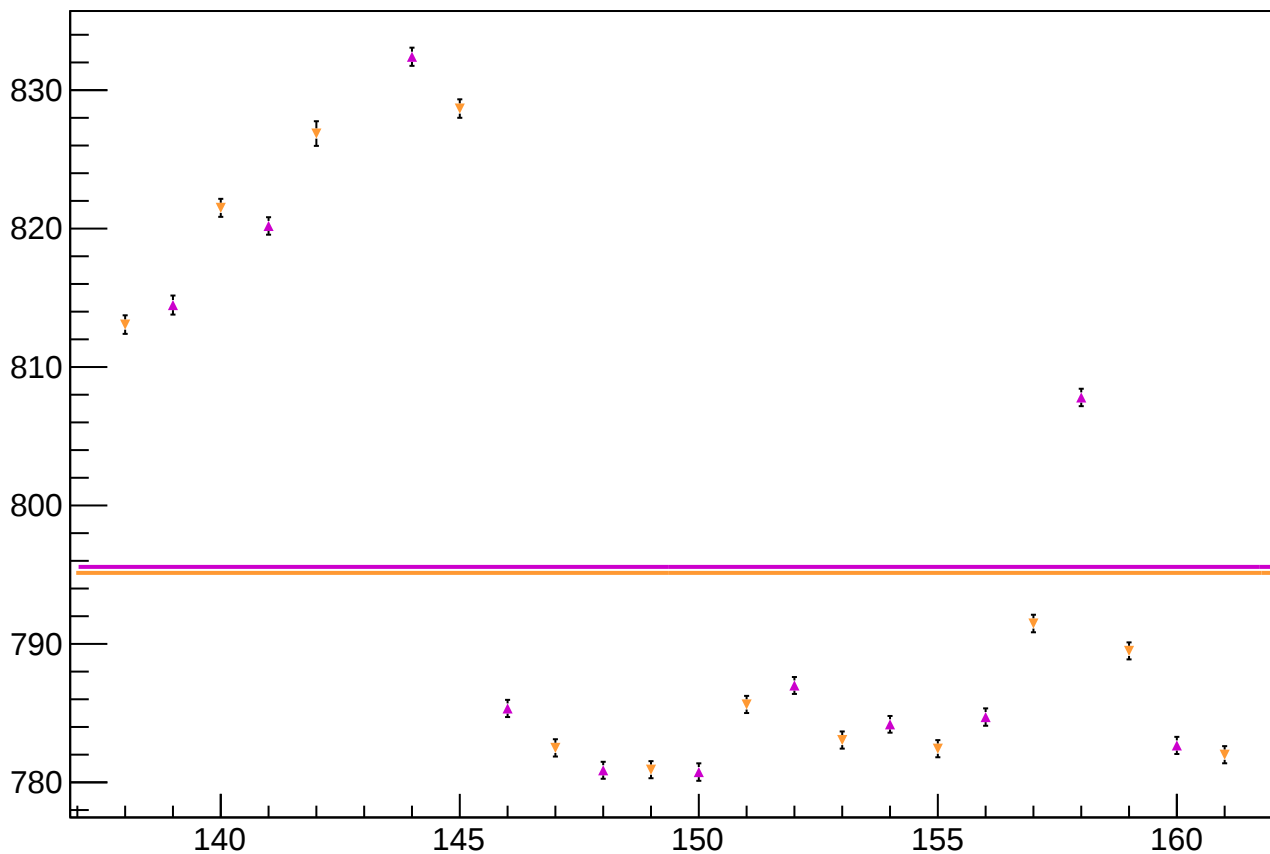
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1960.529+/-268.134 χ^2/NDF :18.8/10

1956.351+/-263.325 χ^2/NDF : 12.5/11

-1960.529+/-268.134 χ^2/NDF : 18.8/10

cor_asym_us_avg_rms vs Slug



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

Left Out: 795.130+/-0.186 χ^2/NDF : 8692.1/11

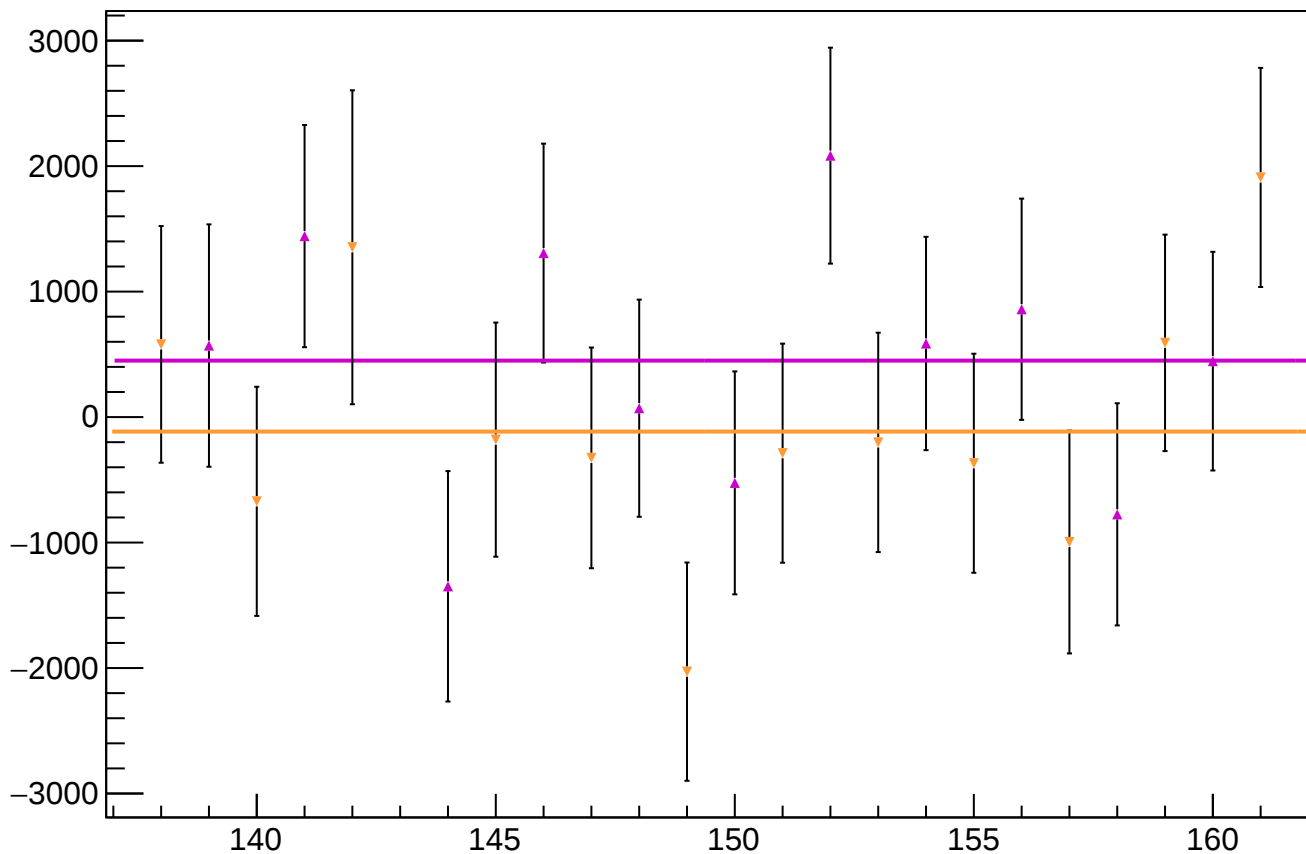
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 795.563+/-0.190 χ^2/NDF : 8492.2/10

795.130+/-0.186 χ^2/NDF : 8692.1/11

795.563+/-0.190 χ^2/NDF : 8492.2/10

cor_asym_us_dd_mean vs Slug



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

Left Out: -115.531+/-261.871 χ^2/NDF : 14.4/11

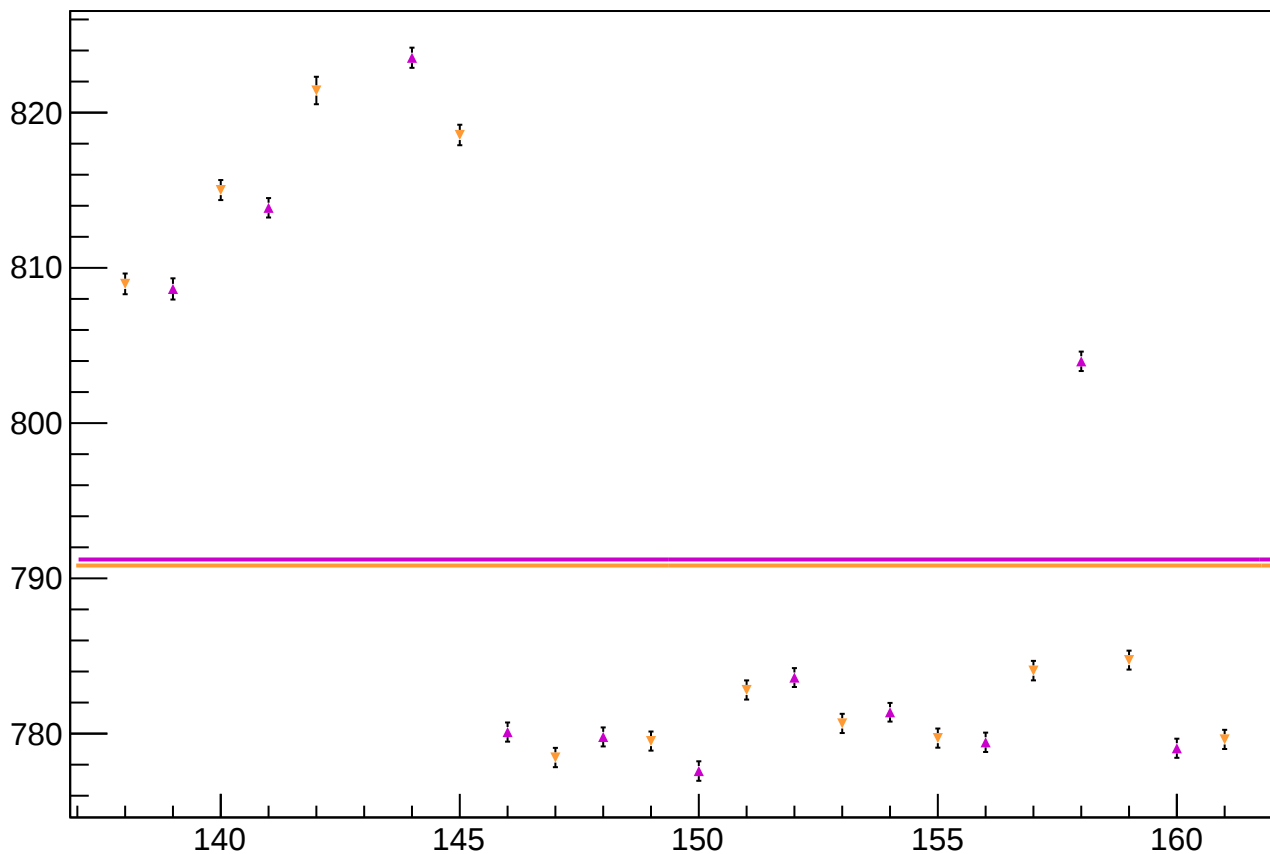
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 449.968+/-266.653 χ^2/NDF : 13.2/10

-115.531+/-261.871 χ^2/NDF : 14.4/11

449.968+/-266.653 χ^2/NDF : 13.2/10

cor_asym_us_dd_rms vs Slug



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

Left Out: 790.827+/-0.185 χ^2/NDF : 7148.5/11

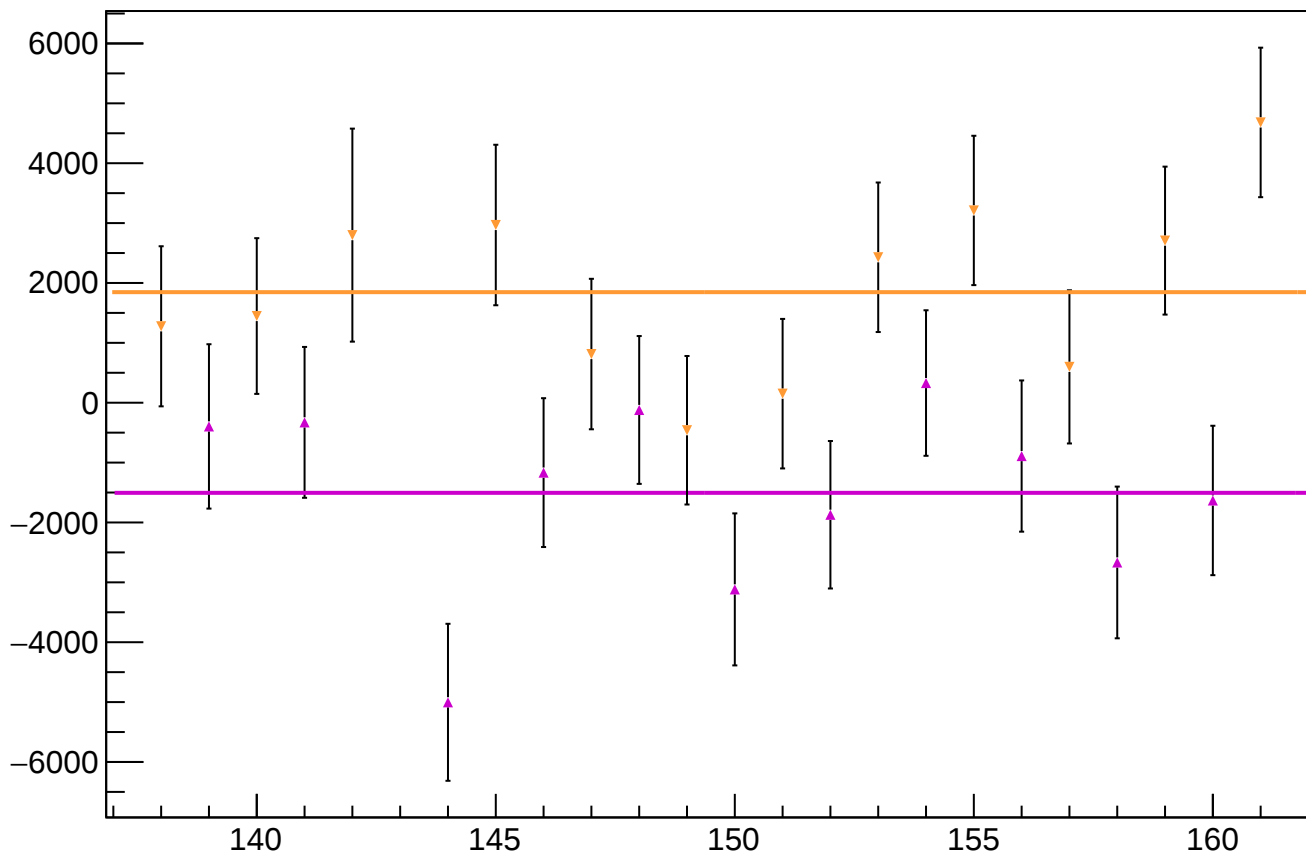
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 791.216+/-0.189 χ^2/NDF : 7167.7/10

790.827+/-0.185 χ^2/NDF : 7148.5/11

791.216+/-0.189 χ^2/NDF : 7167.7/10

cor_asym_usl_mean vs Slug



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

Left Out: 1846.471+/-374.229 χ^2/NDF : 15.2/11

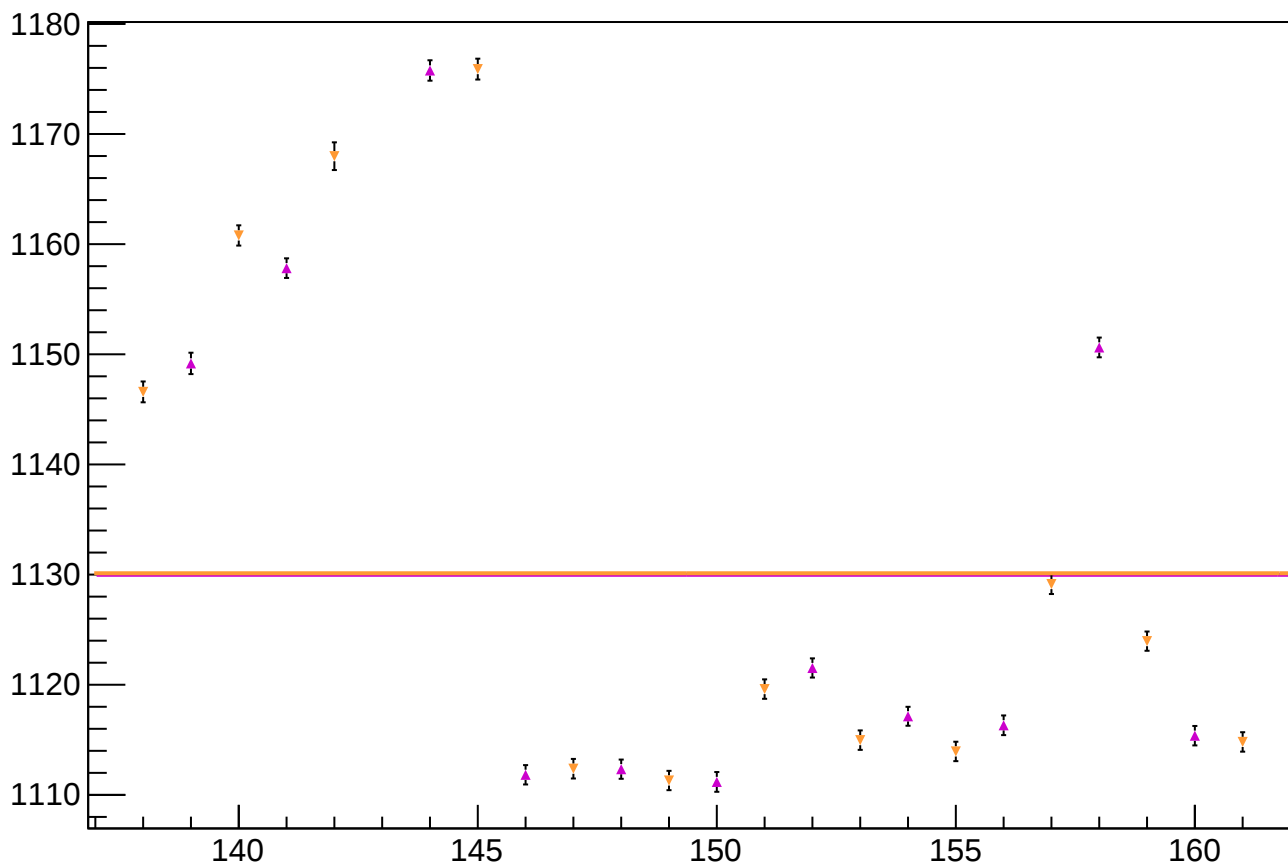
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1505.059+/-380.818 χ^2/NDF : 15.0/10

1846.471+/-374.229 χ^2/NDF : 15.2/11

-1505.059+/-380.818 χ^2/NDF : 15.0/10

cor_asym_usl_rms vs Slug



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

Left Out: 1130.121+/-0.265 χ^2/NDF : 6637.7/11

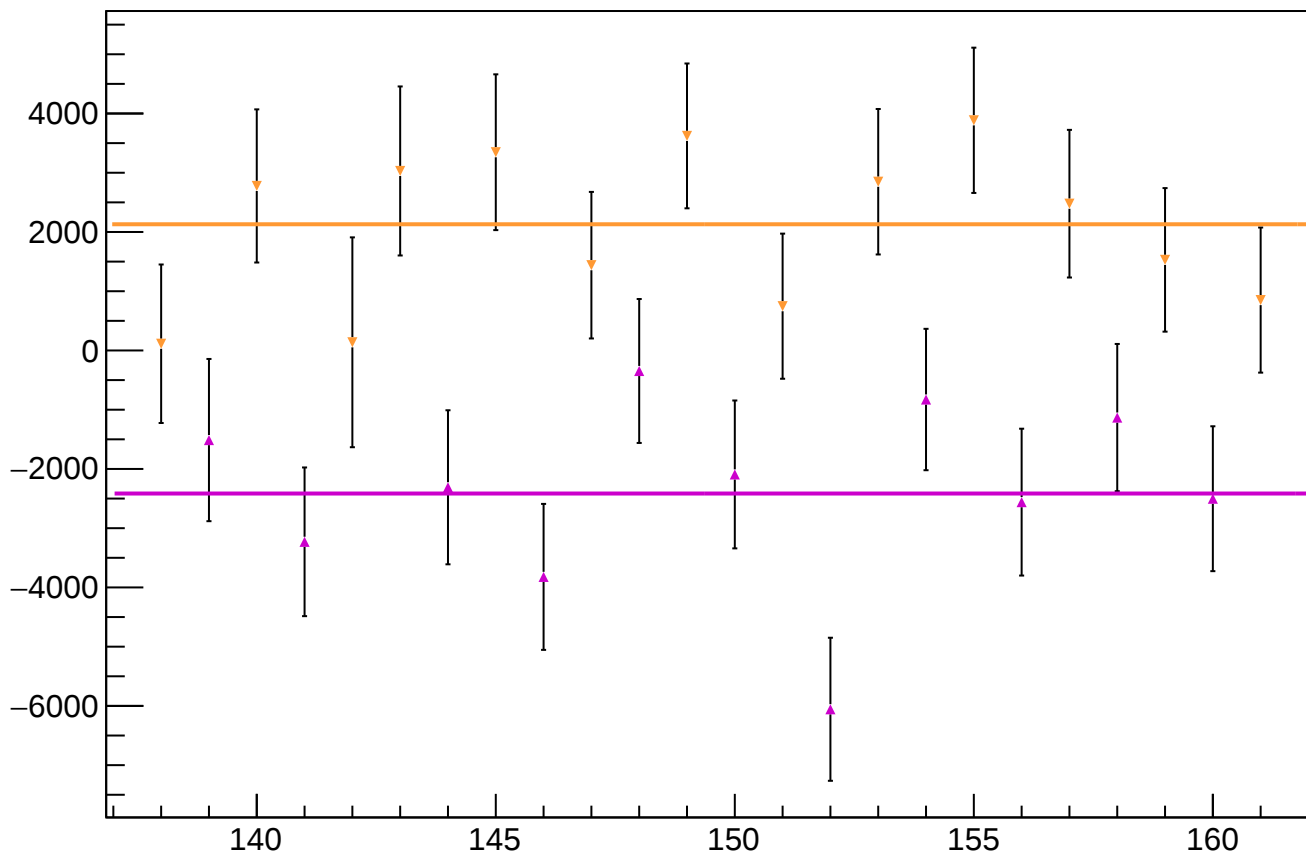
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1129.982+/-0.269 χ^2/NDF : 6437.8/10

1130.121+/-0.265 χ^2/NDF : 6637.7/11

1129.982+/-0.269 χ^2/NDF : 6437.8/10

cor_asym_usr_mean vs Slug



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

Left Out: 2130.374+/-356.793 χ^2/NDF : 11.9/12

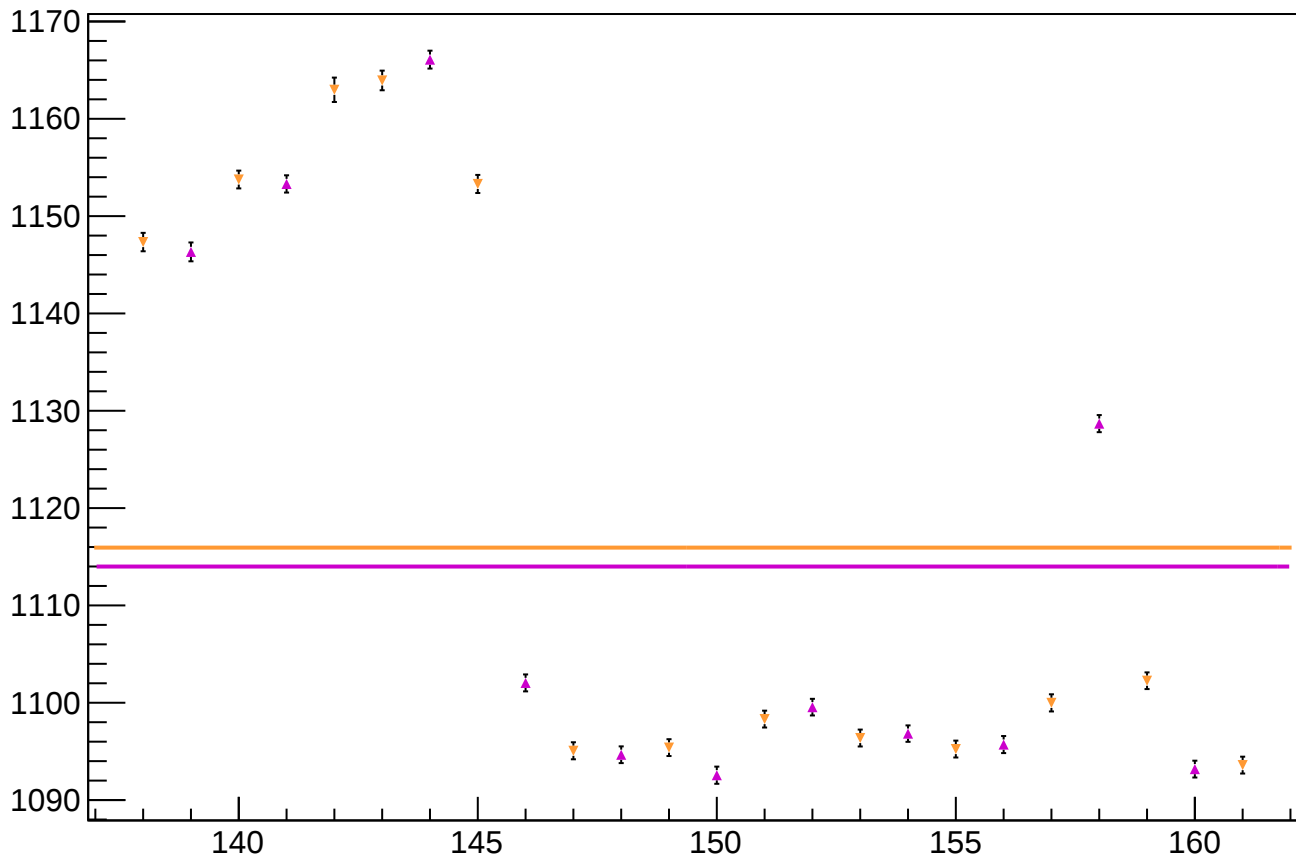
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2414.810+/-375.464 χ^2/NDF : 17.1/10

2130.374+/-356.793 χ^2/NDF : 11.9/12

-2414.810+/-375.464 χ^2/NDF : 17.1/10

cor_asym_usr_rms vs Slug



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

Left Out: 1115.940+/-0.252 χ^2/NDF : 11978.9/12

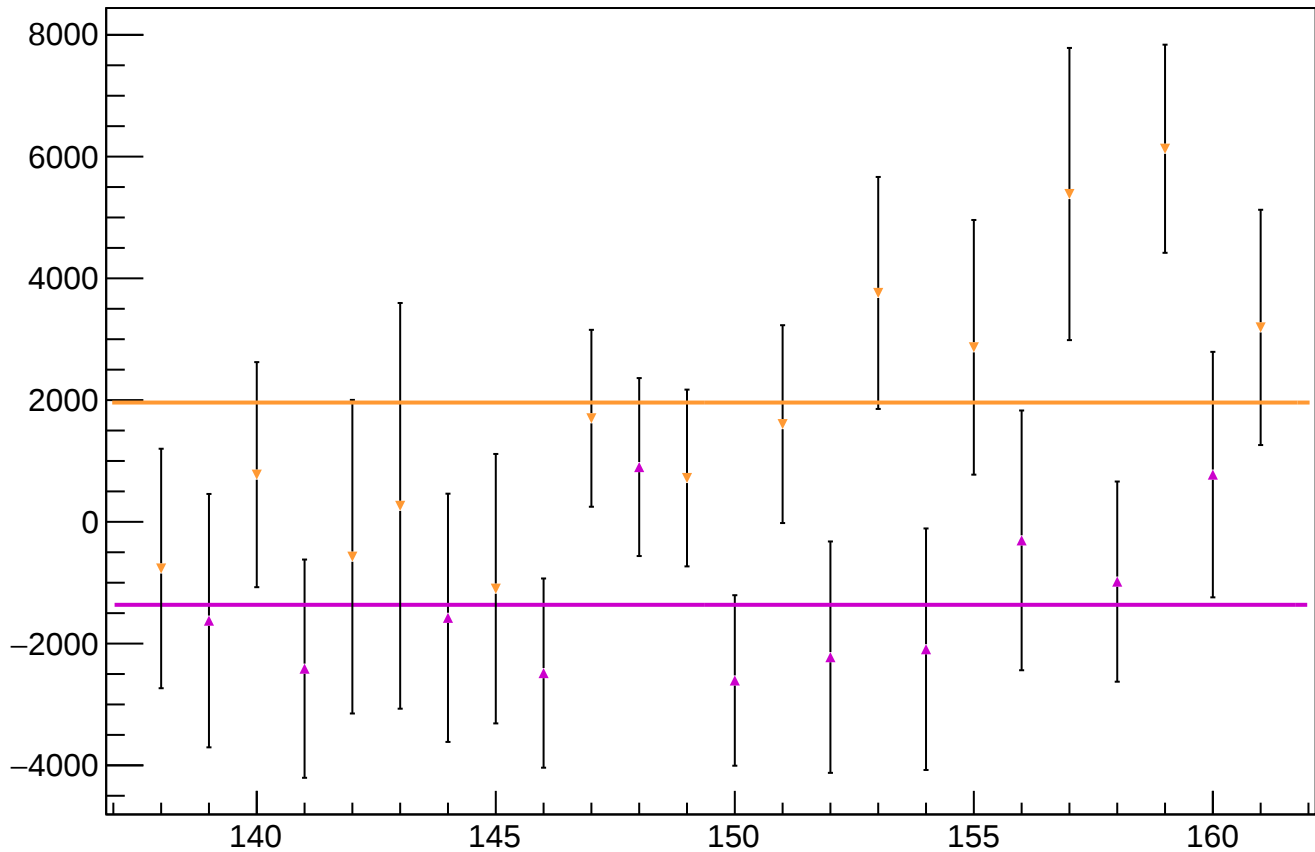
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1113.995+/-0.265 χ^2/NDF : 9567.1/10

1115.940+/-0.252 χ^2/NDF : 11978.9/12

1113.995+/-0.265 χ^2/NDF : 9567.1/10

asym_us_agg_avg_mean vs Slug



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

Left Out: 1959.771+/-526.316 χ^2/NDF : 15.7/12

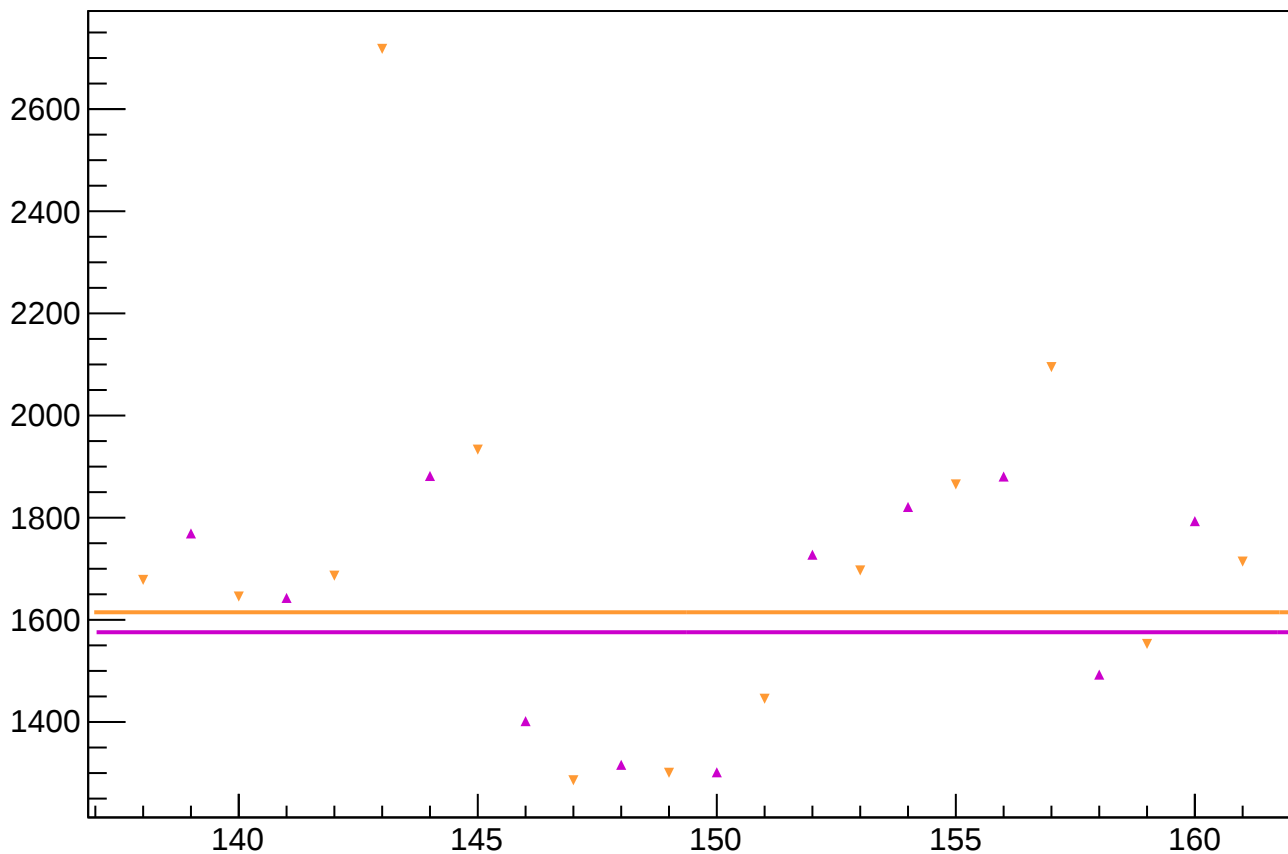
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1363.163+/-531.442 χ^2/NDF : 5.8/10

1959.771+/-526.316 χ^2/NDF : 15.7/12

-1363.163+/-531.442 χ^2/NDF : 5.8/10

asym_us_agg_avg_rms vs Slug



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

Left Out: 1614.825+/-0.372 χ^2/NDF : 602842.1/12

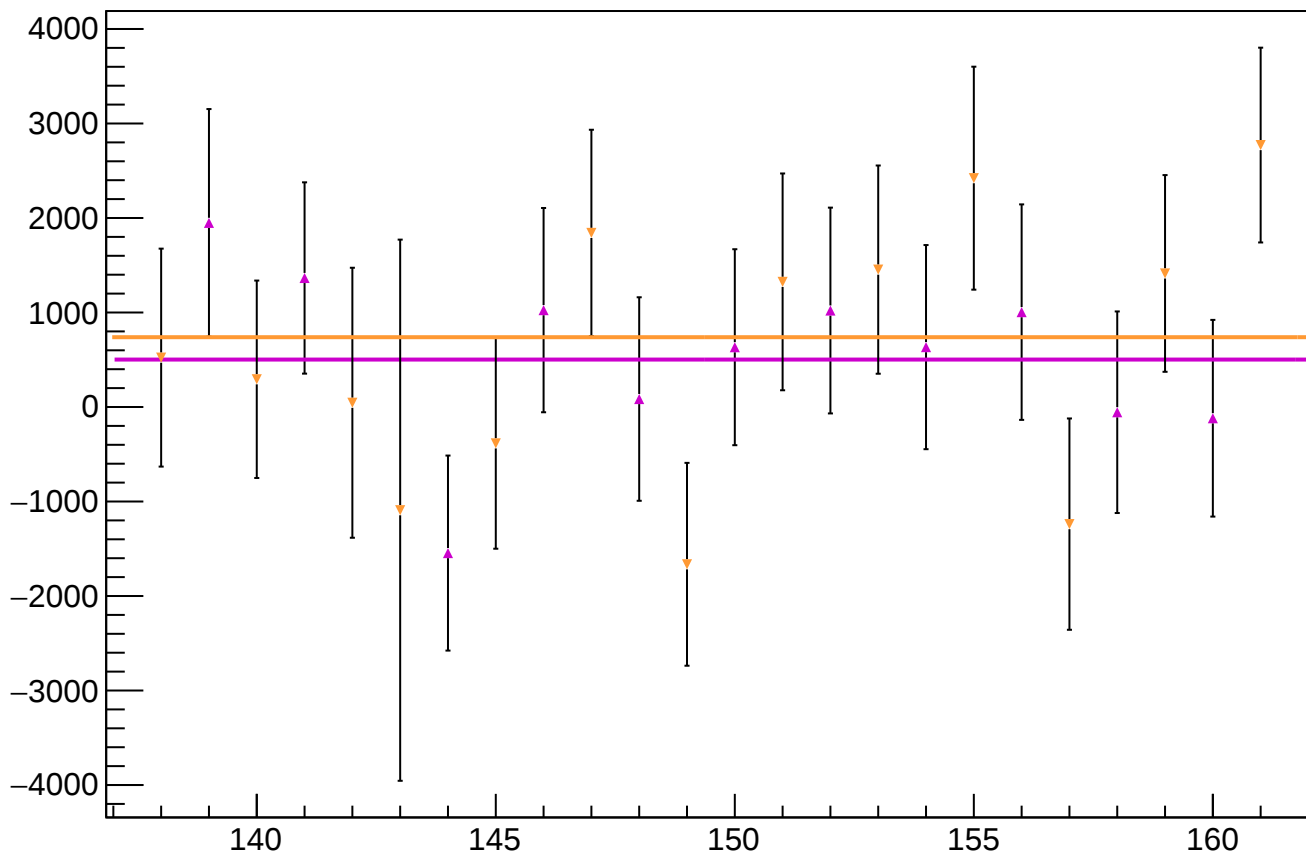
1614.825+/-0.372 χ^2/NDF : 602842.1/12

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

1575.737+/-0.376 χ^2/NDF : 342470.4/10

Left In: 1575.737+/-0.376 χ^2/NDF : 342470.4/10

asym_us_agg_dd_mean vs Slug



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

Left Out: 738.646+/-320.097 χ^2/NDF : 18.1/12

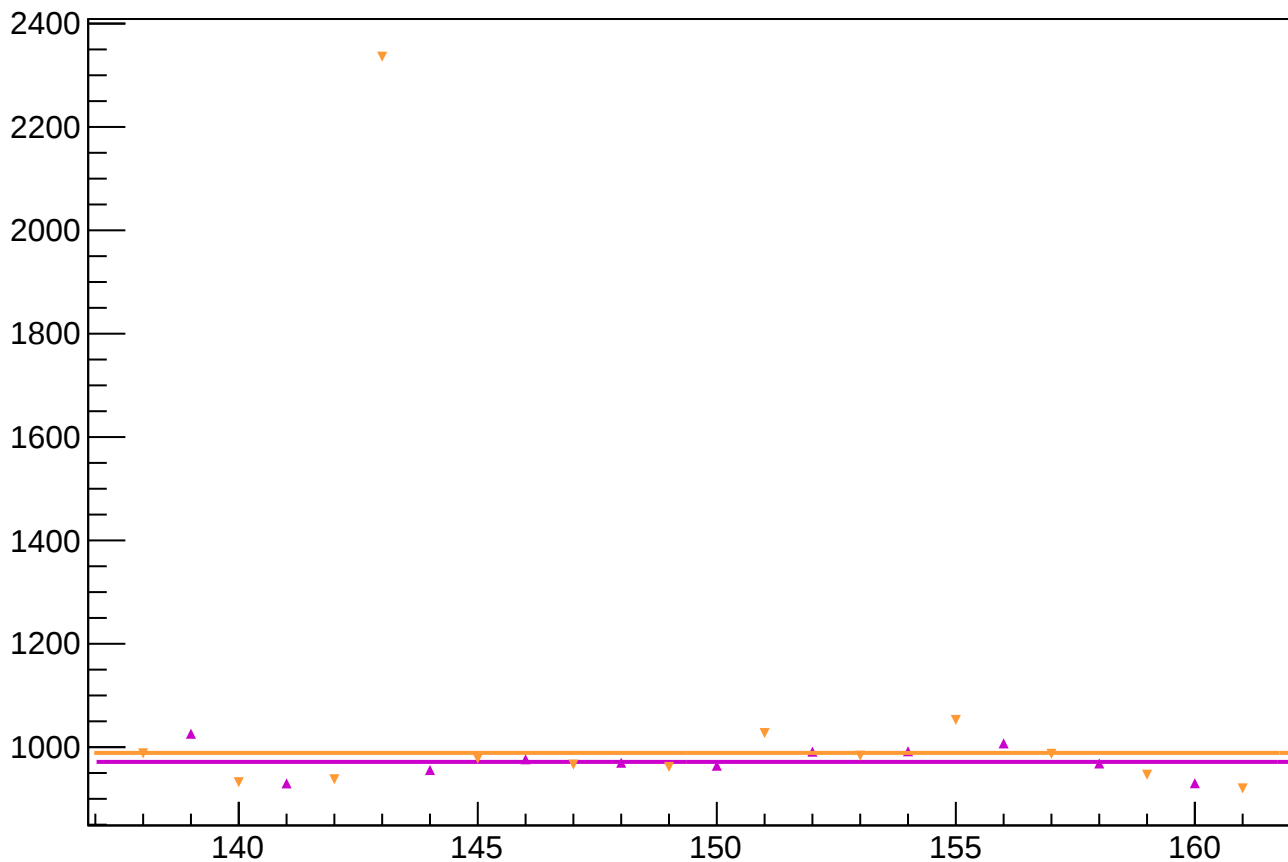
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 501.967+/-323.992 χ^2/NDF : 7.6/10

738.646+/-320.097 χ^2/NDF : 18.1/12

501.967+/-323.992 χ^2/NDF : 7.6/10

asym_us_agg_dd_rms vs Slug



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

Left Out: 988.920+/-0.226 χ^2/NDF : 473790.7/12

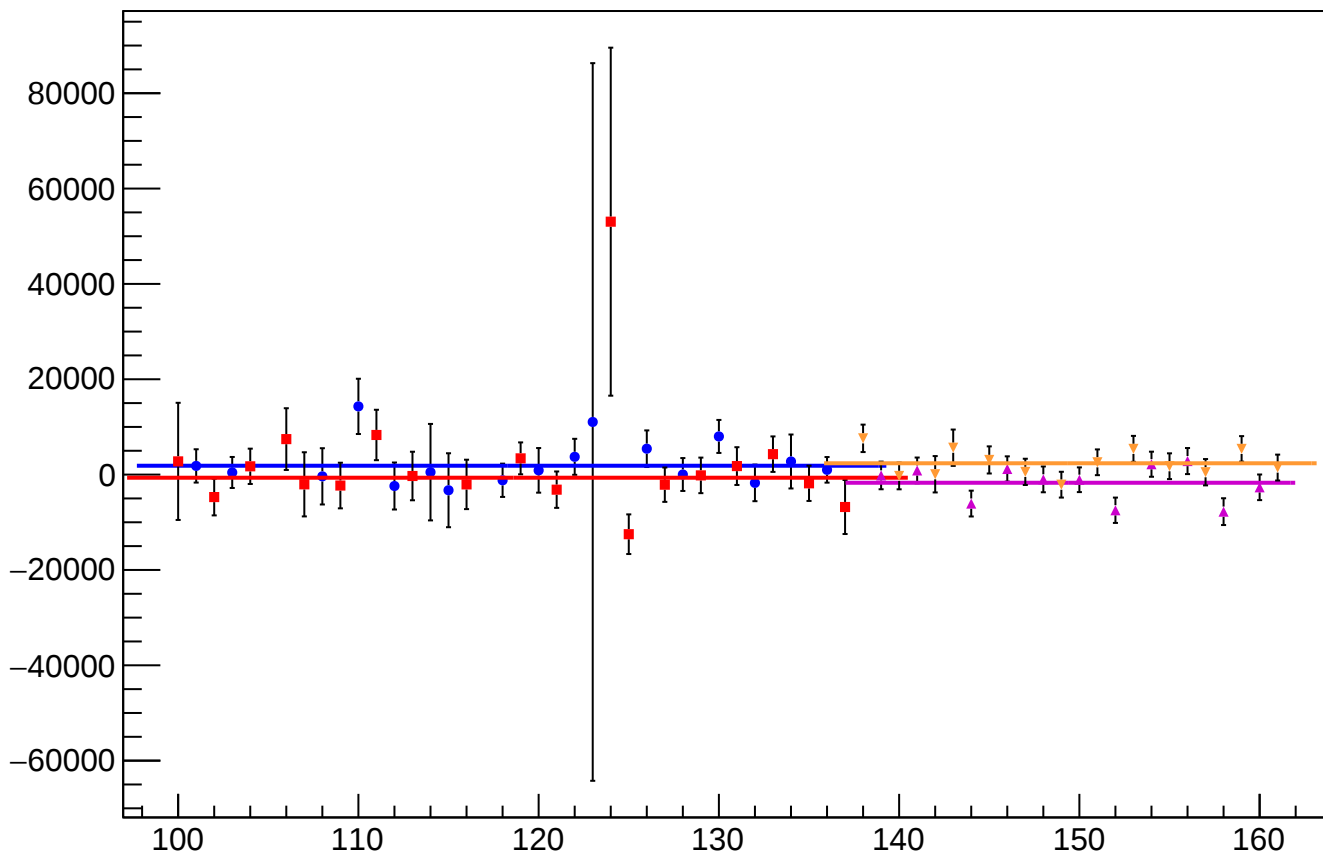
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 971.465+/-0.229 χ^2/NDF : 14601.6/10

988.920+/-0.226 χ^2/NDF : 473790.7/12

971.465+/-0.229 χ^2/NDF : 14601.6/10

reg_asym_atl1_mean vs Slug



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

Left Out: 2376.764 $\pm$ 792.462 χ^2 /NDF: 11.7/12

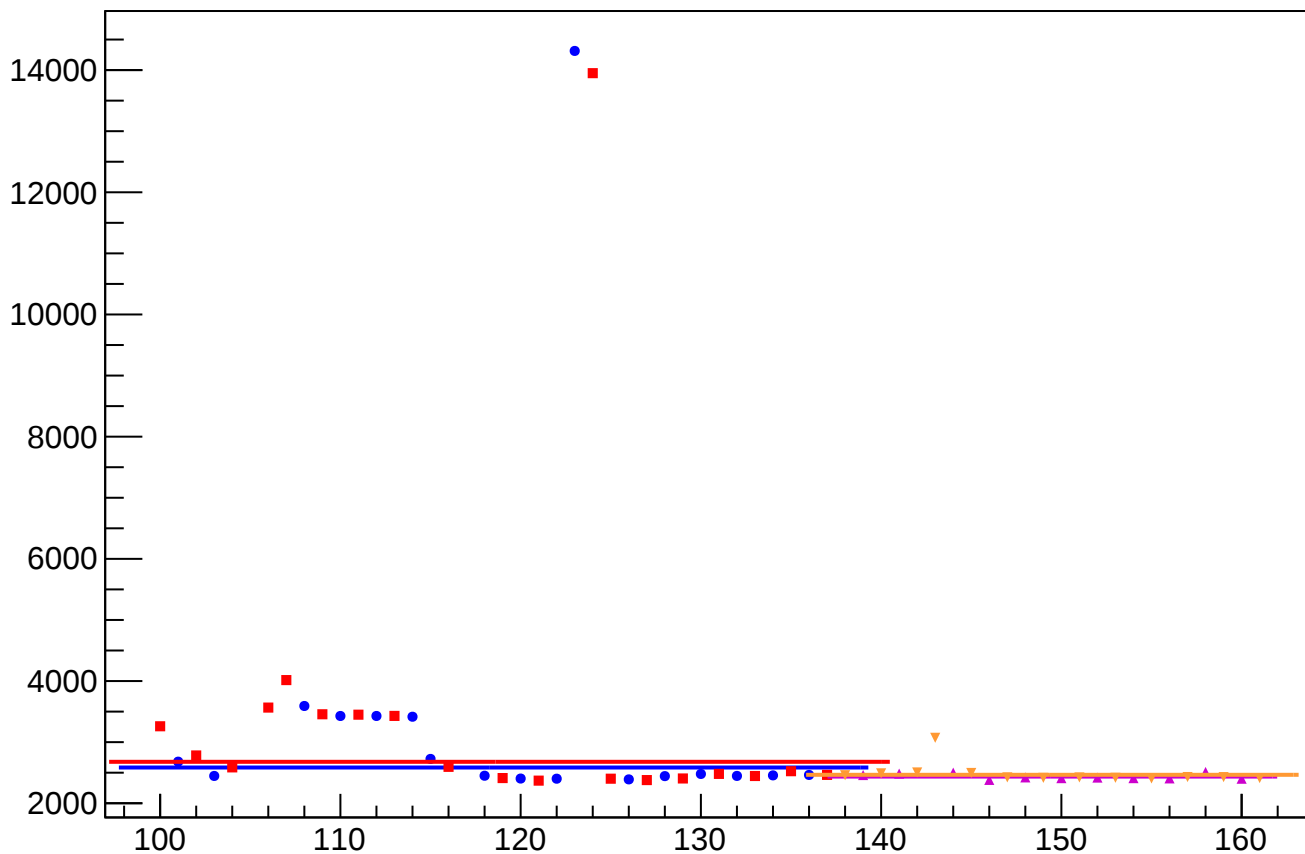
Right Out: -654.213 $\pm$ 1023.772 χ^2 /NDF: 22.1/18

Left In: -1711.472 $\pm$ 815.149 χ^2 /NDF: 19.6/10

2180.593 $\pm$ 624.266 χ^2 /NDF: 24.3/29

-1301.263 $\pm$ 637.699 χ^2 /NDF: 42.3/29

reg_asym_atl1_rms vs Slug



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

Left Out: 2465.522+/-0.560 χ^2/NDF : 55975.1/12

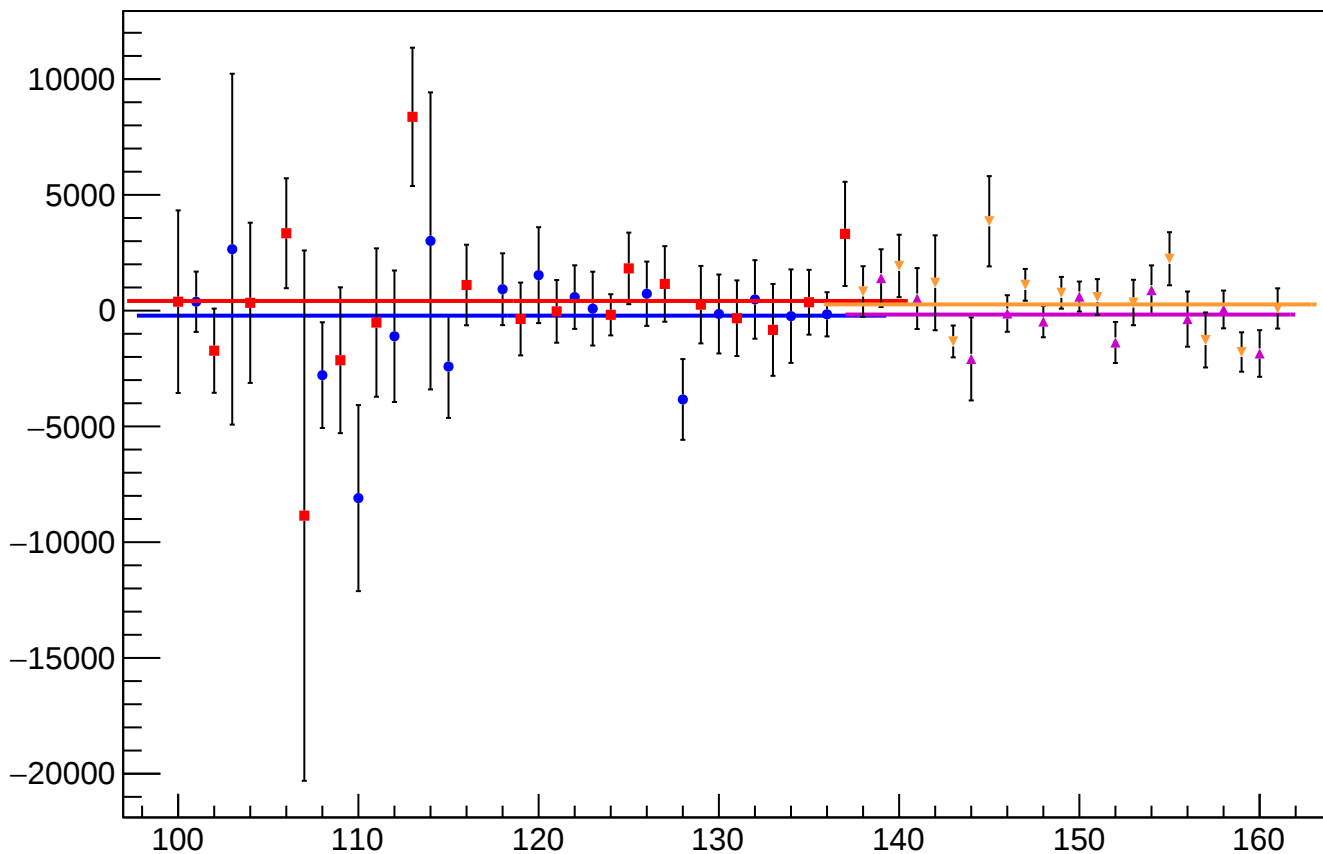
Right Out: 2678.229+/-0.724 χ^2/NDF : 532096.9/18

Left In: 2436.378+/-0.576 χ^2/NDF : 5295.4/10

2510.788+/-0.441 χ^2/NDF : 328883.5/29

2530.215+/-0.451 χ^2/NDF : 605700.5/29

asym_atl1_correction_mean vs Slug



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

Left Out: 268.018 ± 257.035 χ^2/NDF : 23.5/12

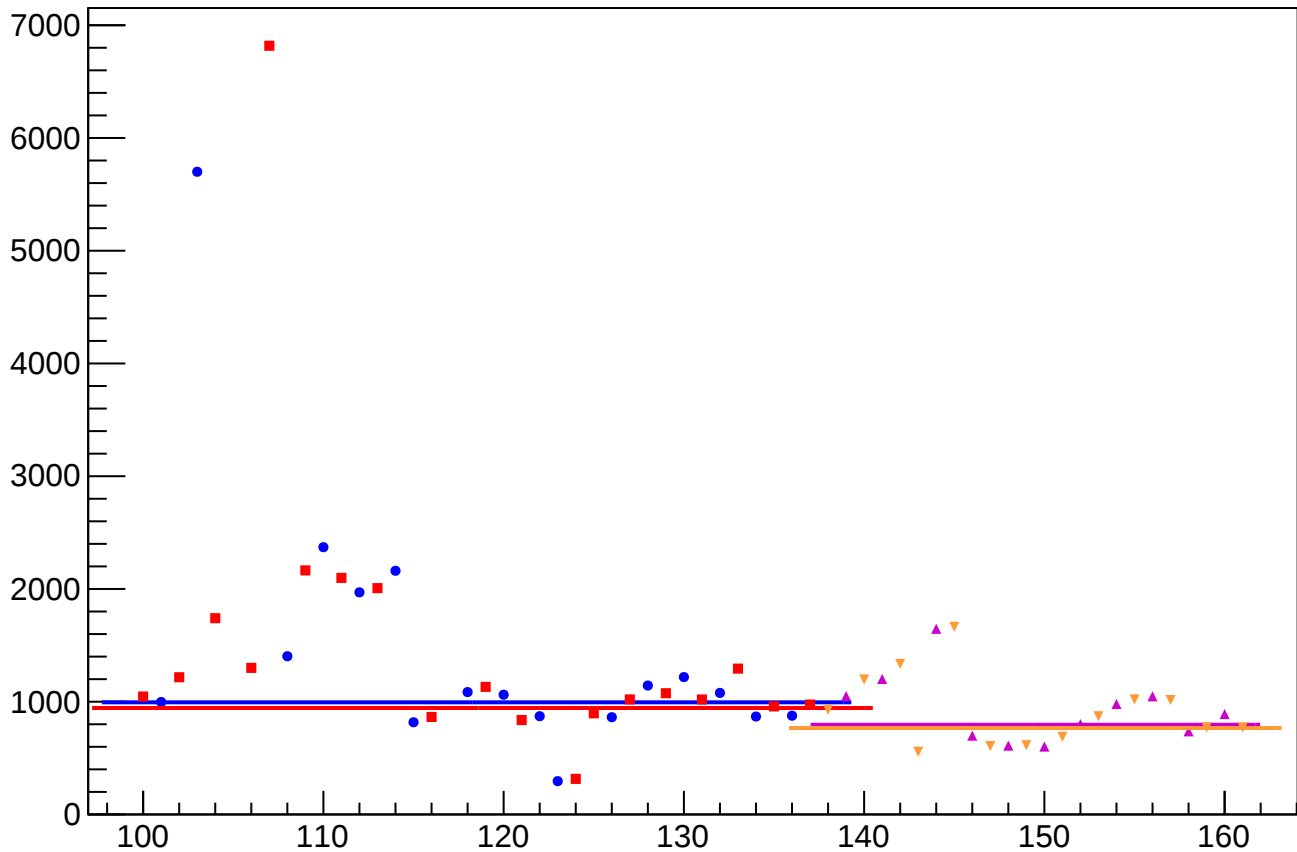
Right Out: 417.202 ± 408.976 χ^2/NDF : 15.7/18

Left In: -169.613 ± 277.214 χ^2/NDF : 10.3/10

135.892 ± 219.248 χ^2/NDF : 37.9/29

15.121 ± 229.467 χ^2/NDF : 27.4/29

asym_atl1_correction_rms vs Slug



Right In: 994.541+/-0.297 χ^2/NDF : 1904549.2/16

Left Out: 766.480+/-0.182 χ^2/NDF : 1450667.1/12

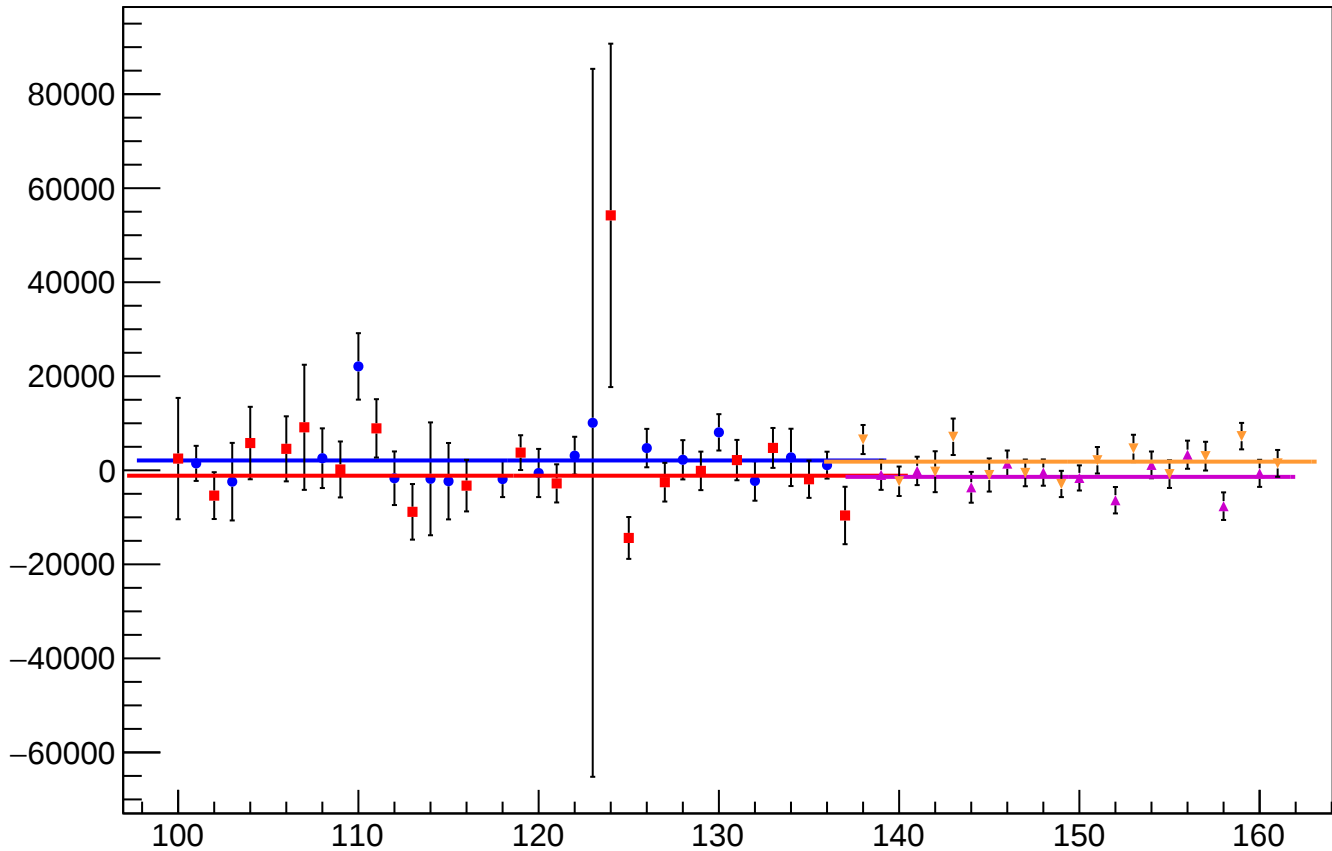
Right Out: 944.286+/-0.289 χ^2/NDF : 2666007.0/18

Left In: 795.569+/-0.196 χ^2/NDF : 1257344.9/10

828.605+/-0.155 χ^2/NDF : 3784123.5/29

842.386+/-0.162 χ^2/NDF : 4104557.0/29

asym_atl1_mean vs Slug



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

Left Out: 1841.783 ± 853.035 χ^2/NDF : 16.1/12

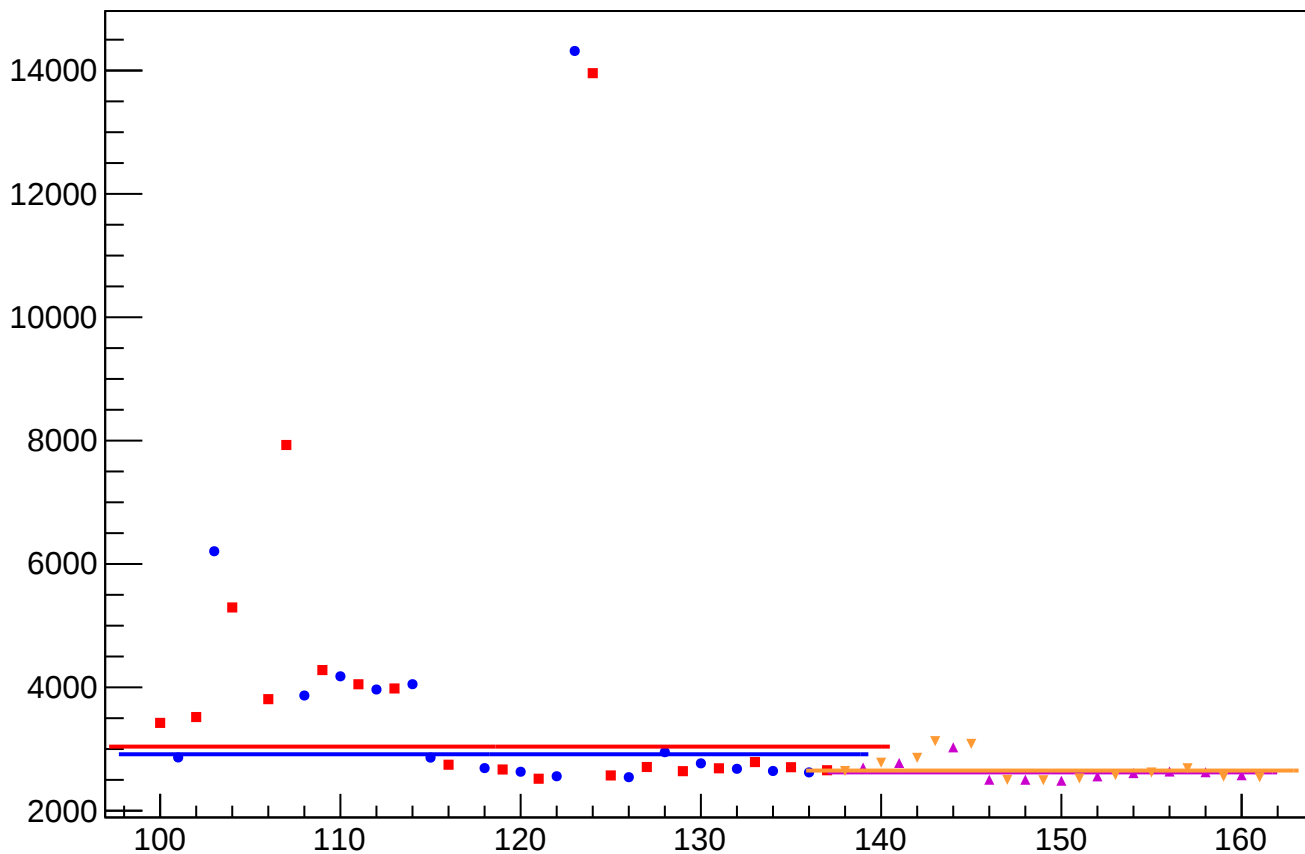
Right Out: -1147.788 ± 1187.007 χ^2/NDF : 25.1/18

Left In: -1395.471 ± 878.205 χ^2/NDF : 12.8/10

1930.281 ± 687.311 χ^2/NDF : 30.7/29

-1307.854 ± 705.989 χ^2/NDF : 38.0/29

asym_atl1_rms vs Slug



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

Left Out: 2651.104+/-0.603 χ^2 /NDF: 91434.8/12

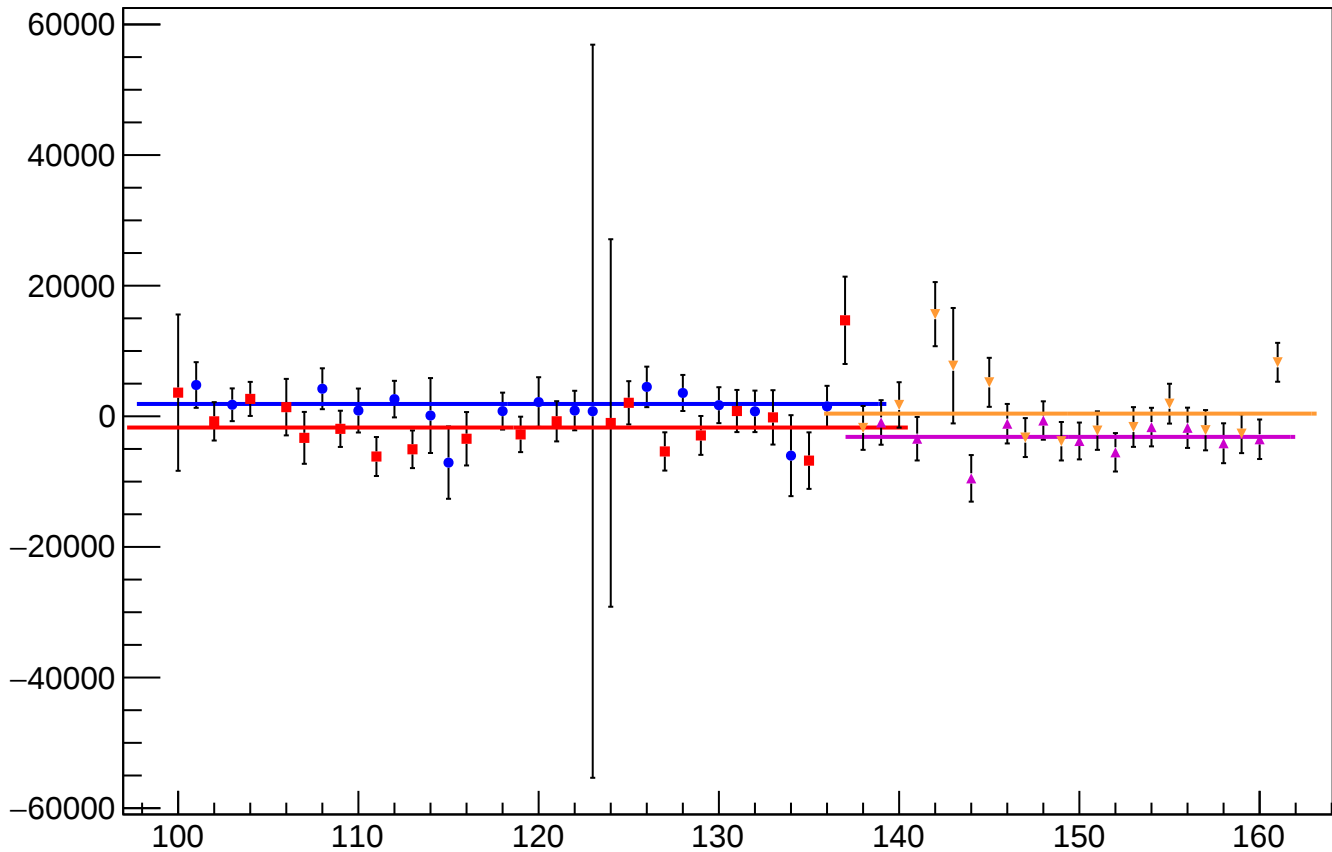
Right Out: 3039.139+/-0.839 χ^2 /NDF: 1011383.0/18

Left In: 2621.266+/-0.621 χ^2 /NDF: 50938.9/10

2743.752+/-0.486 χ^2 /NDF: 797821.4/29

2769.086+/-0.499 χ^2 /NDF: 1222504.8/29

reg_asym_atl2_mean vs Slug



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

Left Out: 410.745+/-918.422 χ^2/NDF : 26.3/12

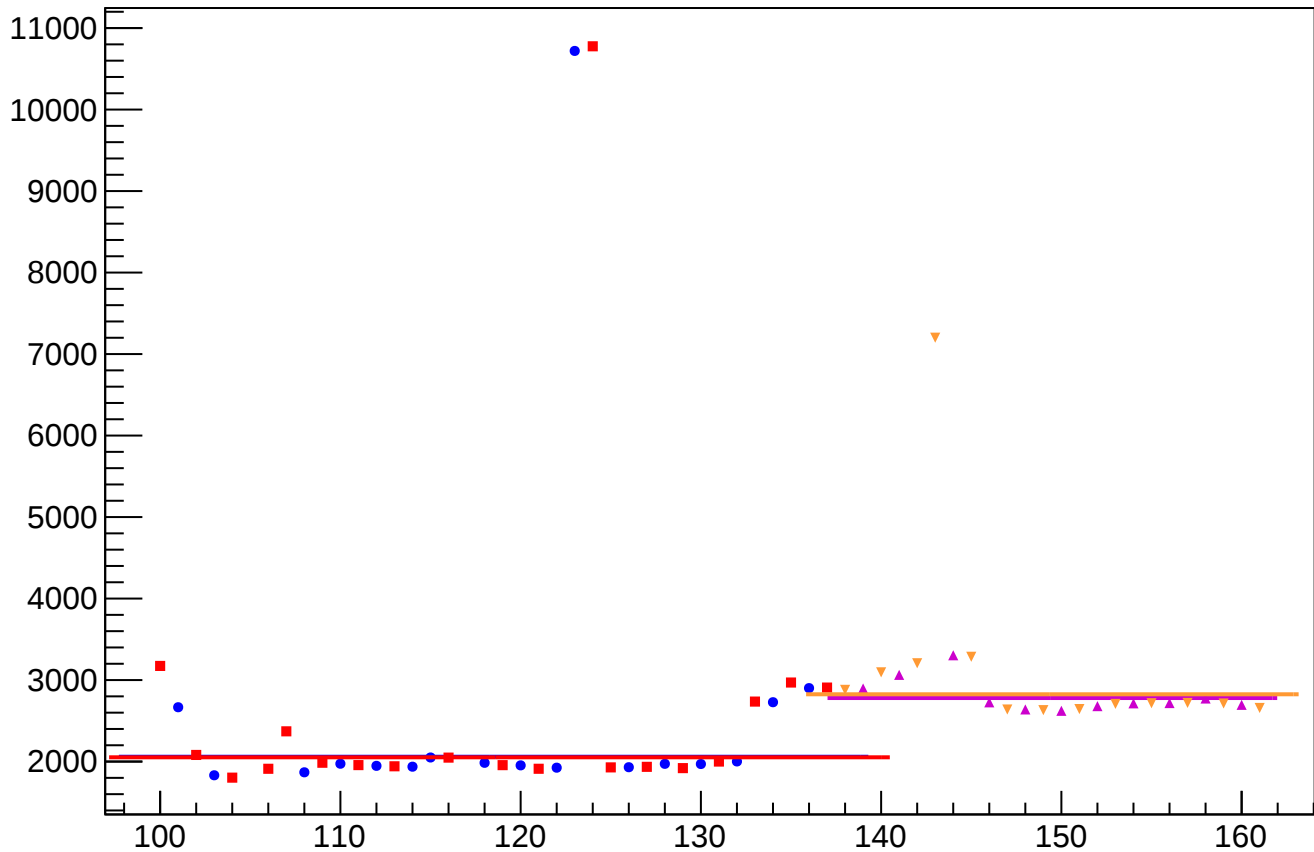
Right Out: -1719.130+/-790.110 χ^2/NDF : 19.0/18

Left In: -3151.504+/-929.738 χ^2/NDF : 6.0/10

1241.484+/-608.094 χ^2/NDF : 35.0/29

-2319.789+/-602.069 χ^2/NDF : 26.4/29

reg_asym_atl2_rms vs Slug



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

Left Out: 2825.507+/-0.649 χ^2/NDF : 586105.6/12

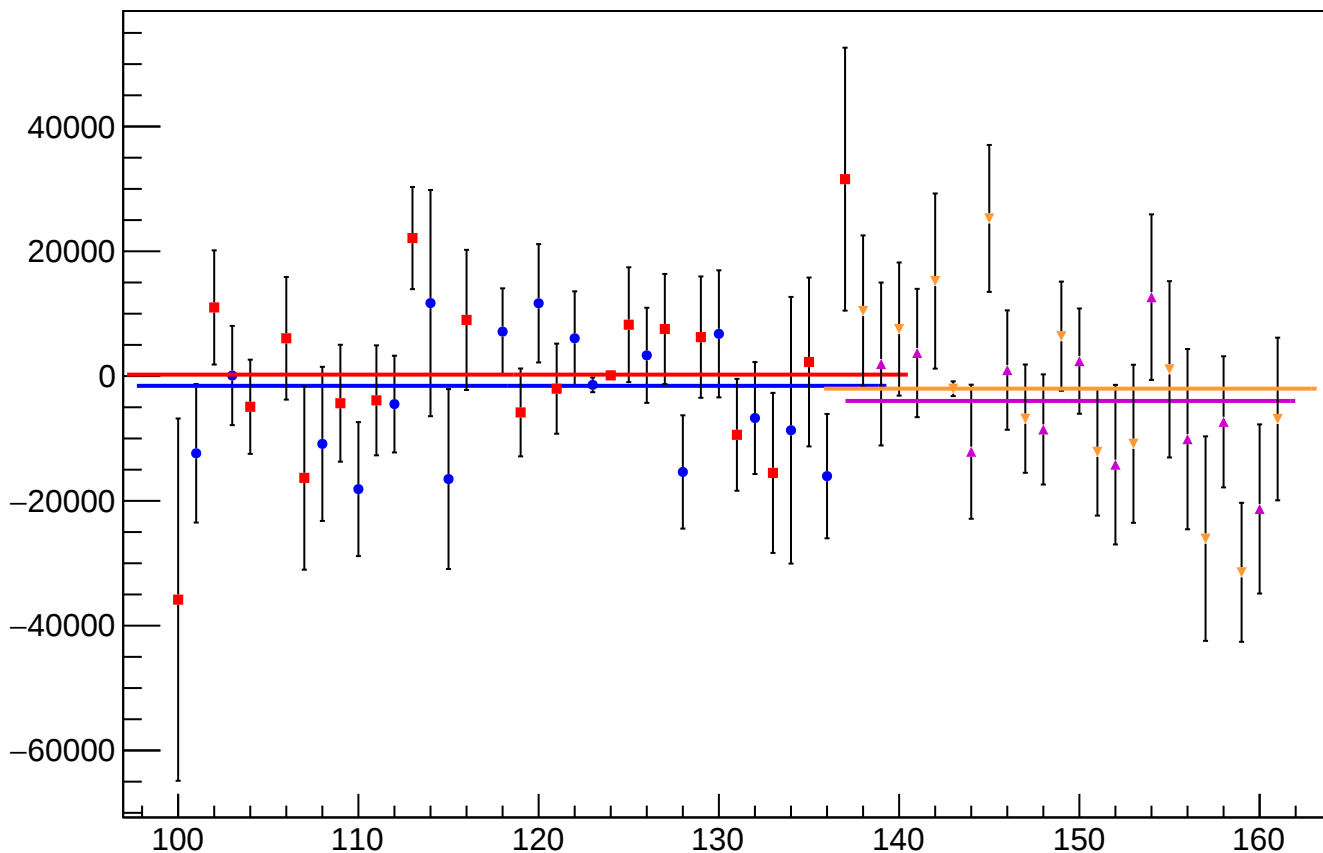
Right Out: 2052.260+/-0.559 χ^2/NDF : 443321.6/18

Left In: 2779.569+/-0.657 χ^2/NDF : 77068.1/10

2395.005+/-0.430 χ^2/NDF : 1687118.6/29

2357.252+/-0.426 χ^2/NDF : 1231058.5/29

asym_atl2_correction_mean vs Slug



Right In: -1563.218 ± 1053.946 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -2014.943 ± 1112.689 $\chi^2/\text{NDF}: 20.8/12$

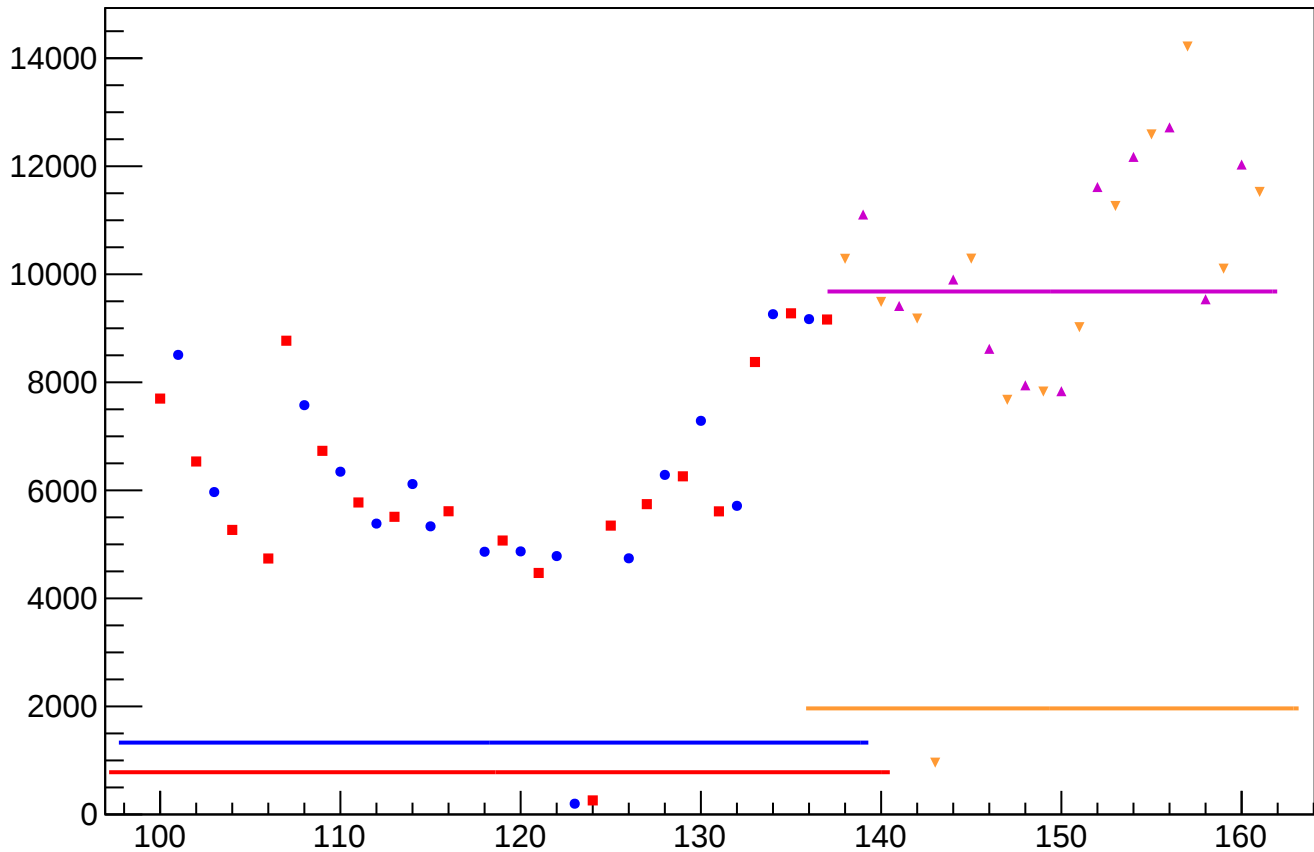
Right Out: 236.197 ± 695.167 $\chi^2/\text{NDF}: 20.8/18$

Left In: -3982.657 ± 3281.551 $\chi^2/\text{NDF}: 6.6/10$

-1776.842 ± 765.177 $\chi^2/\text{NDF}: 37.0/29$

55.001 ± 680.075 $\chi^2/\text{NDF}: 29.0/29$

asym_atl2_correction_rms vs Slug



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

Left Out: 1963.268+/-0.787 χ^2/NDF : 13103122.5/12

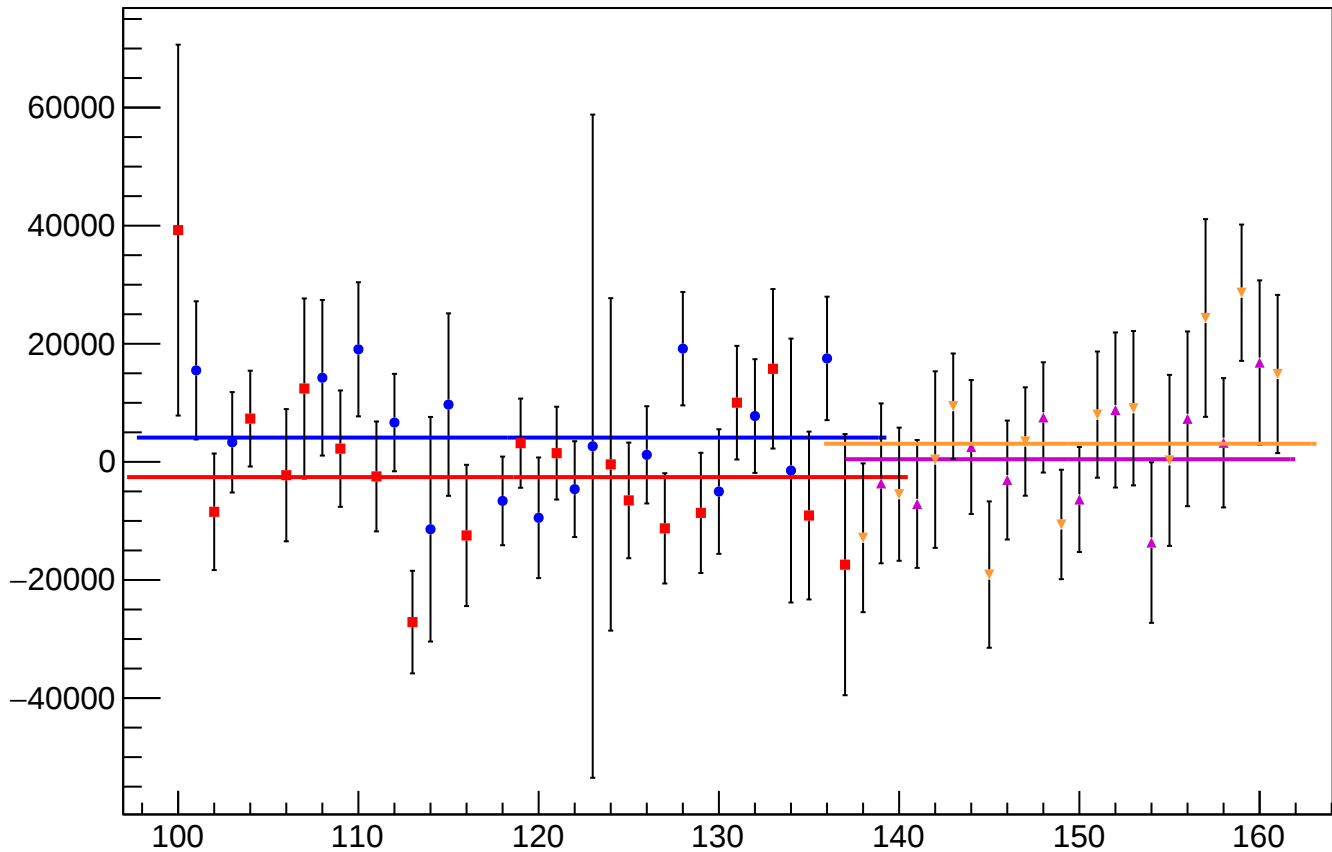
Right Out: 781.848+/-0.492 χ^2/NDF : 11439893.7/18

Left In: 9681.290+/-2.320 χ^2/NDF : 489044.2/10

1629.609+/-0.541 χ^2/NDF : 23491145.8/29

1164.072+/-0.481 χ^2/NDF : 26006656.5/29

asym_atl2_mean vs Slug



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

Left Out: 3073.643+/-3206.549 χ^2/NDF : 15.9/12

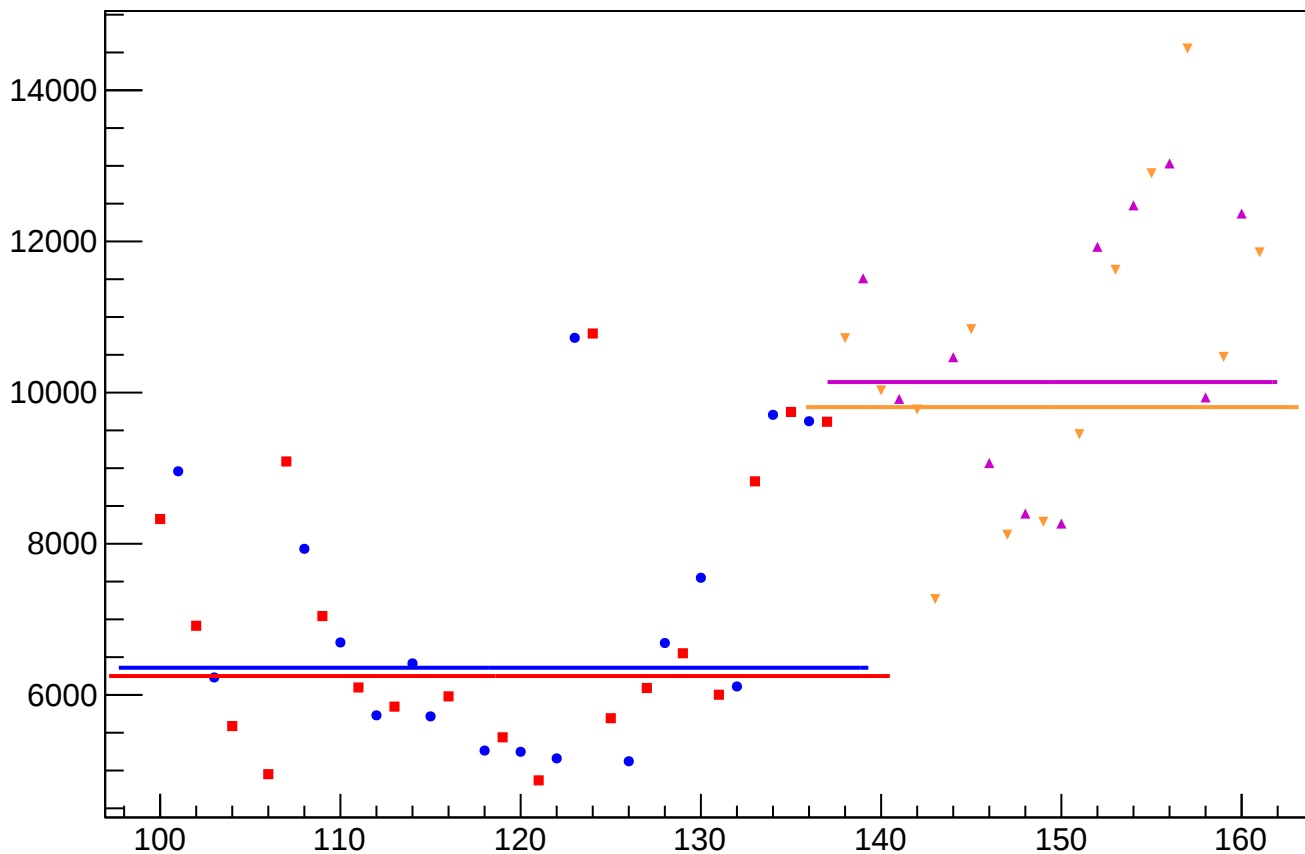
Right Out: -2577.719+/-2420.480 χ^2/NDF : 20.0/18

Left In: 451.742+/-3430.310 χ^2/NDF : 5.0/10

3712.607+/-1988.349 χ^2/NDF : 30.2/29

-1570.739+/-1977.703 χ^2/NDF : 25.5/29

asym_atl2_rms vs Slug



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

Left Out: 9808.107+/-2.267 χ^2/NDF : 654396.5/12

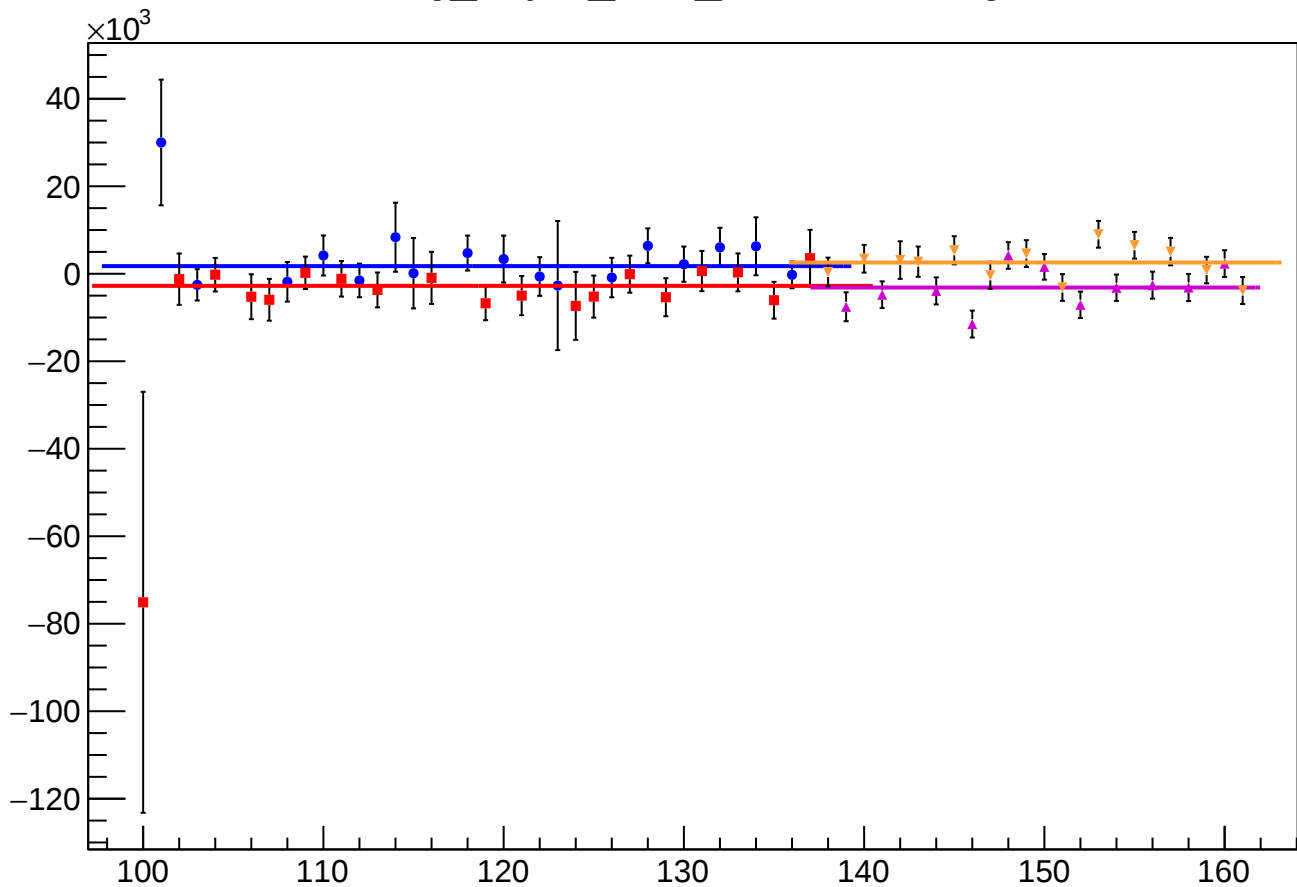
Right Out: 6250.049+/-1.711 χ^2/NDF : 532966.2/18

Left In: 10139.767+/-2.426 χ^2/NDF : 428264.2/10

7685.785+/-1.406 χ^2/NDF : 2658360.2/29

7542.895+/-1.398 χ^2/NDF : 2678078.6/29

reg_asym_atr1_mean vs Slug



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

Left Out: 2577.990 ± 886.103 χ^2/NDF : 17.5/12

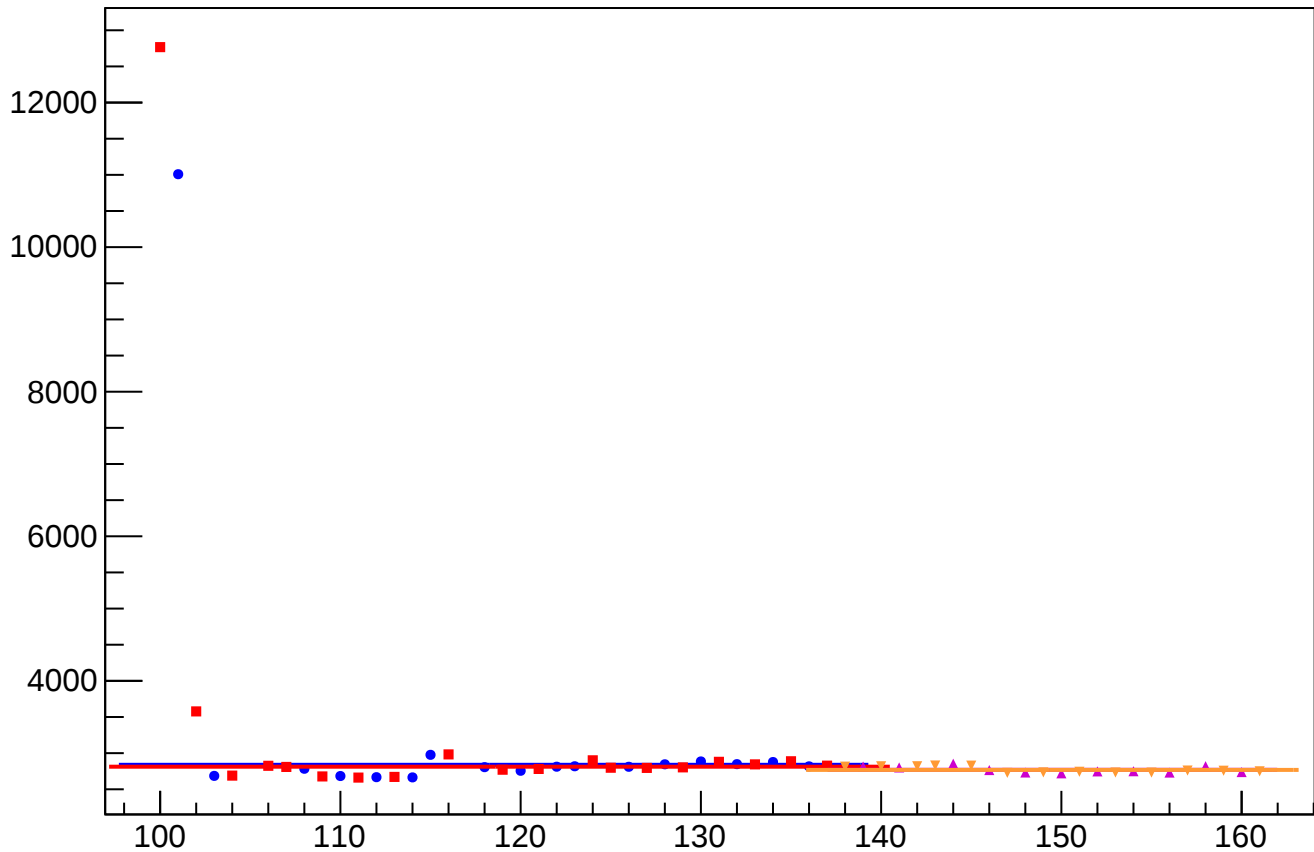
Right Out: -2763.863 ± 1071.947 χ^2/NDF : 9.7/18

Left In: -3146.373 ± 924.600 χ^2/NDF : 22.9/10

2260.679 ± 696.937 χ^2/NDF : 30.0/29

-2983.194 ± 700.137 χ^2/NDF : 32.6/29

reg_asym_atr1_rms vs Slug



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

Left Out: 2768.218+/-0.627 χ^2/NDF : 3863.6/12

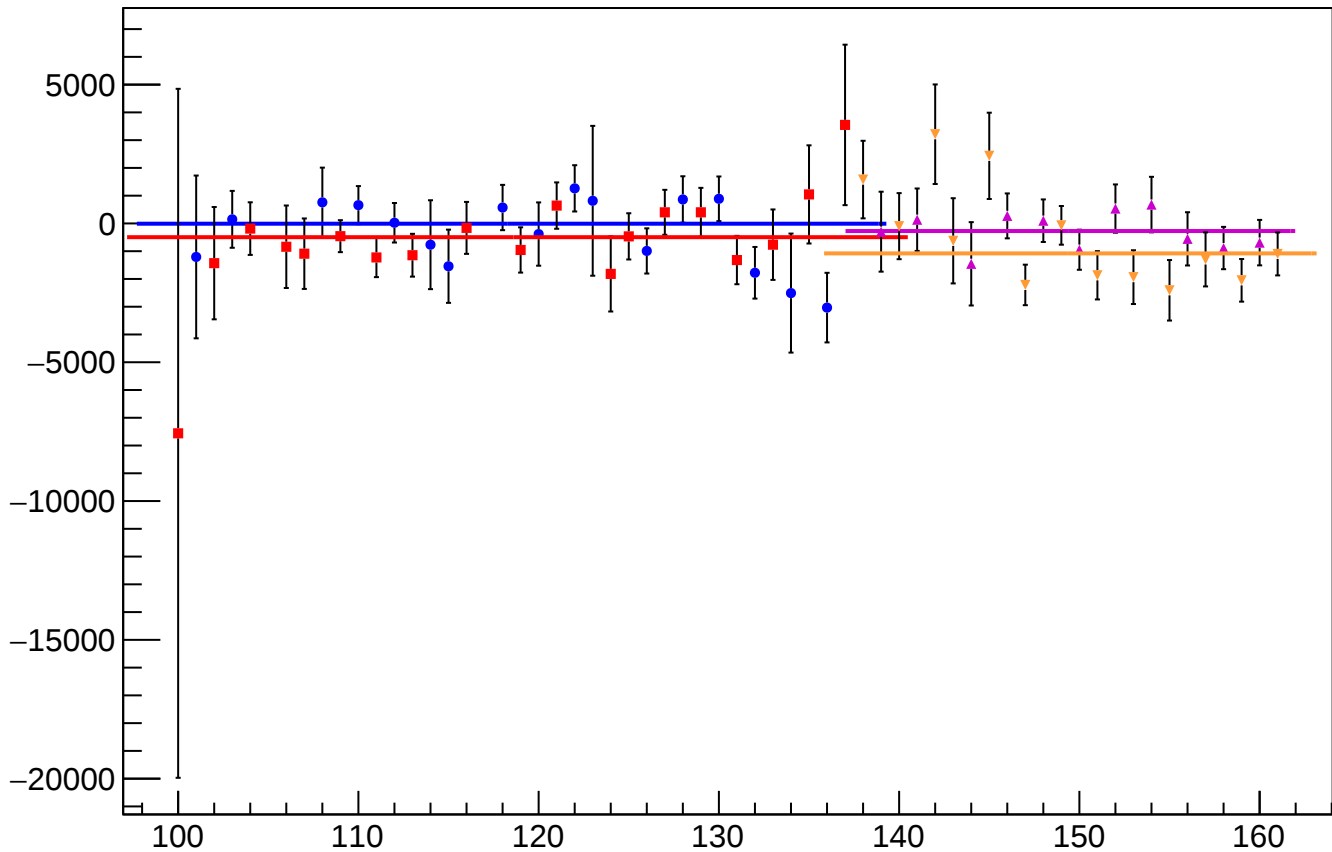
2795.113+/-0.493 χ^2/NDF : 668903.9/29

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

2787.890+/-0.495 χ^2/NDF : 139113.4/29

Left In: 2769.486+/-0.654 χ^2/NDF : 4191.9/10

asym_atr1_correction_mean vs Slug



Right In: -9.845 ± 241.678 $\chi^2/\text{NDF}: 20.7/16$

Left Out: -1079.084 ± 267.605 $\chi^2/\text{NDF}: 24.5/12$

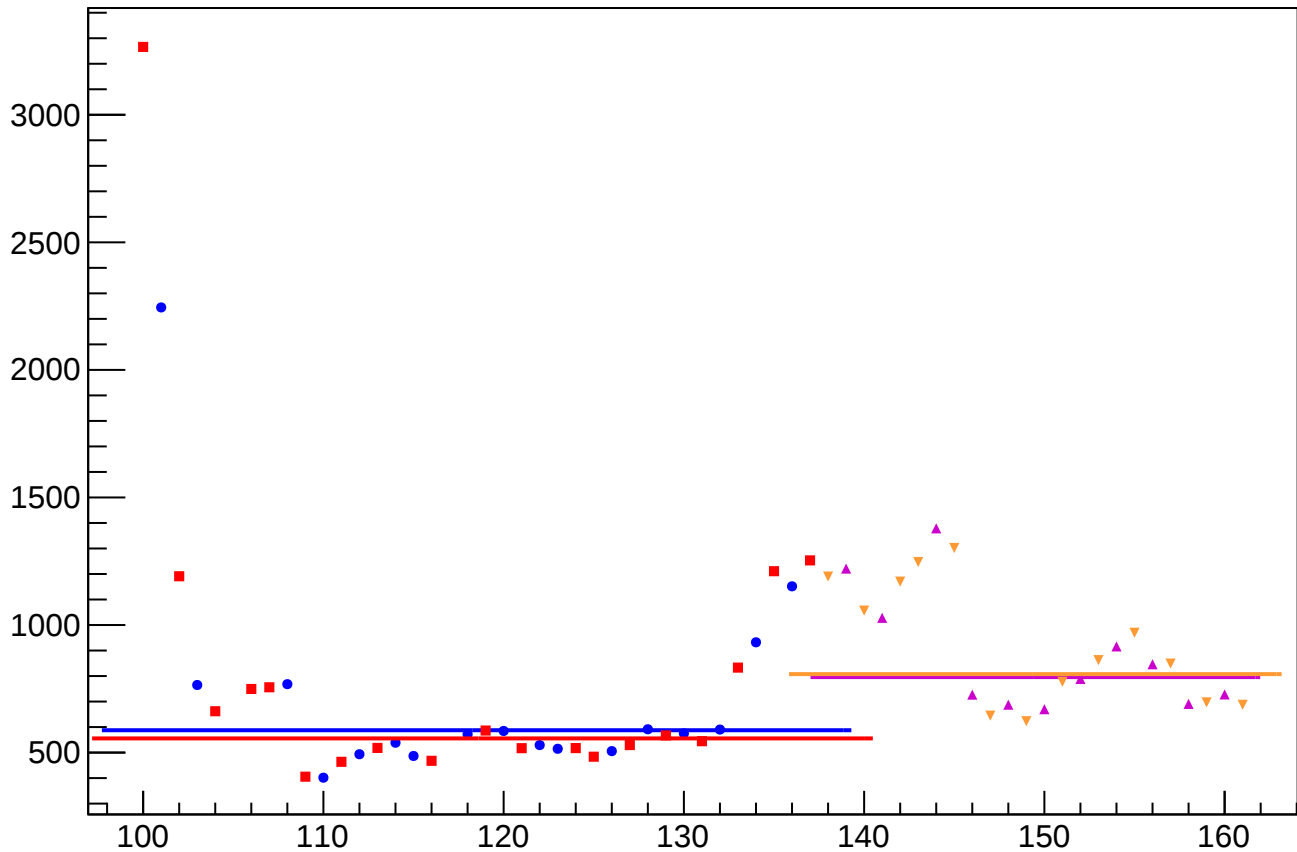
Right Out: -495.250 ± 221.487 $\chi^2/\text{NDF}: 11.9/18$

Left In: -273.478 ± 272.271 $\chi^2/\text{NDF}: 5.1/10$

-490.172 ± 179.360 $\chi^2/\text{NDF}: 54.0/29$

-406.935 ± 171.817 $\chi^2/\text{NDF}: 17.3/29$

asym_atr1_correction_rms vs Slug



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

Left Out: 807.502+/-0.189 χ^2/NDF : 1072189.9/12

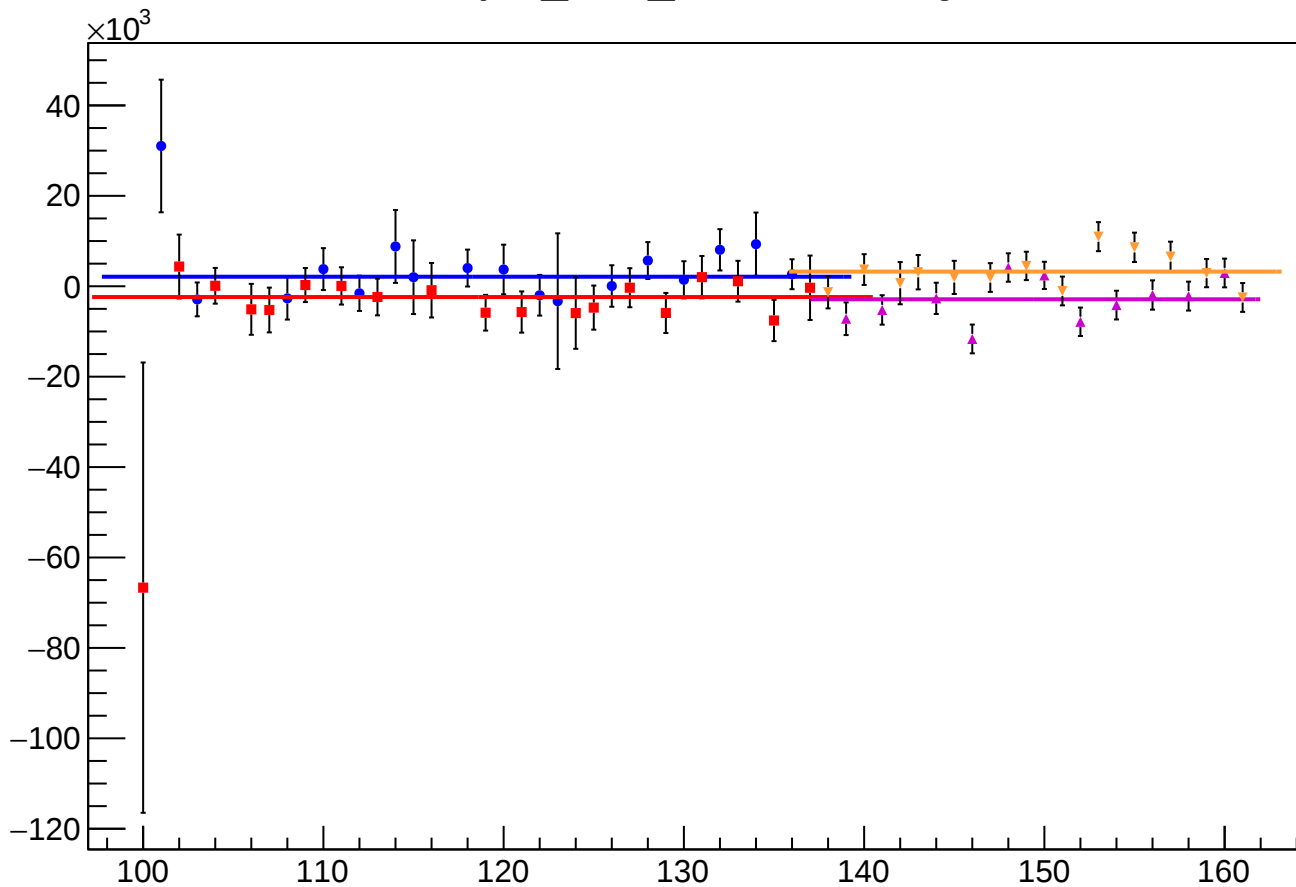
Right Out: 555.534+/-0.157 χ^2/NDF : 1106760.5/18

Left In: 795.912+/-0.193 χ^2/NDF : 762852.8/10

686.383+/-0.127 χ^2/NDF : 3241818.0/29

651.259+/-0.121 χ^2/NDF : 2807723.0/29

asym_atr1_mean vs Slug



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

Left Out: 3241.365 $\pm$ 937.720 χ^2 /NDF: 17.0/12

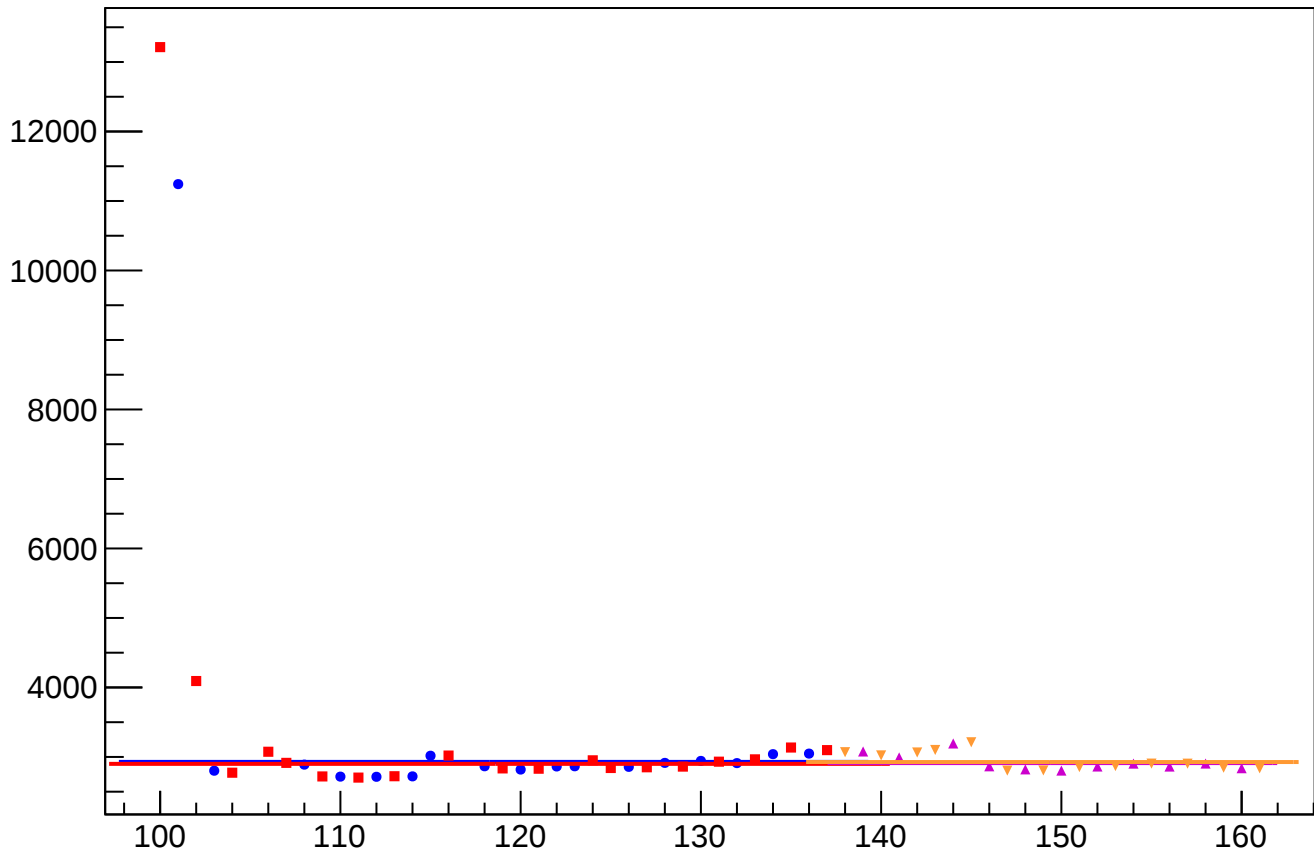
Right Out: -2385.851 $\pm$ 1110.248 χ^2 /NDF: 9.9/18

Left In: -2882.168 $\pm$ 972.684 χ^2 /NDF: 23.8/10

2795.660 $\pm$ 730.320 χ^2 /NDF: 31.0/29

-2666.646 $\pm$ 731.622 χ^2 /NDF: 33.8/29

asym_atr1_rms vs Slug



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

Left Out: 2926.742+/-0.663 χ^2/NDF : 33465.1/12

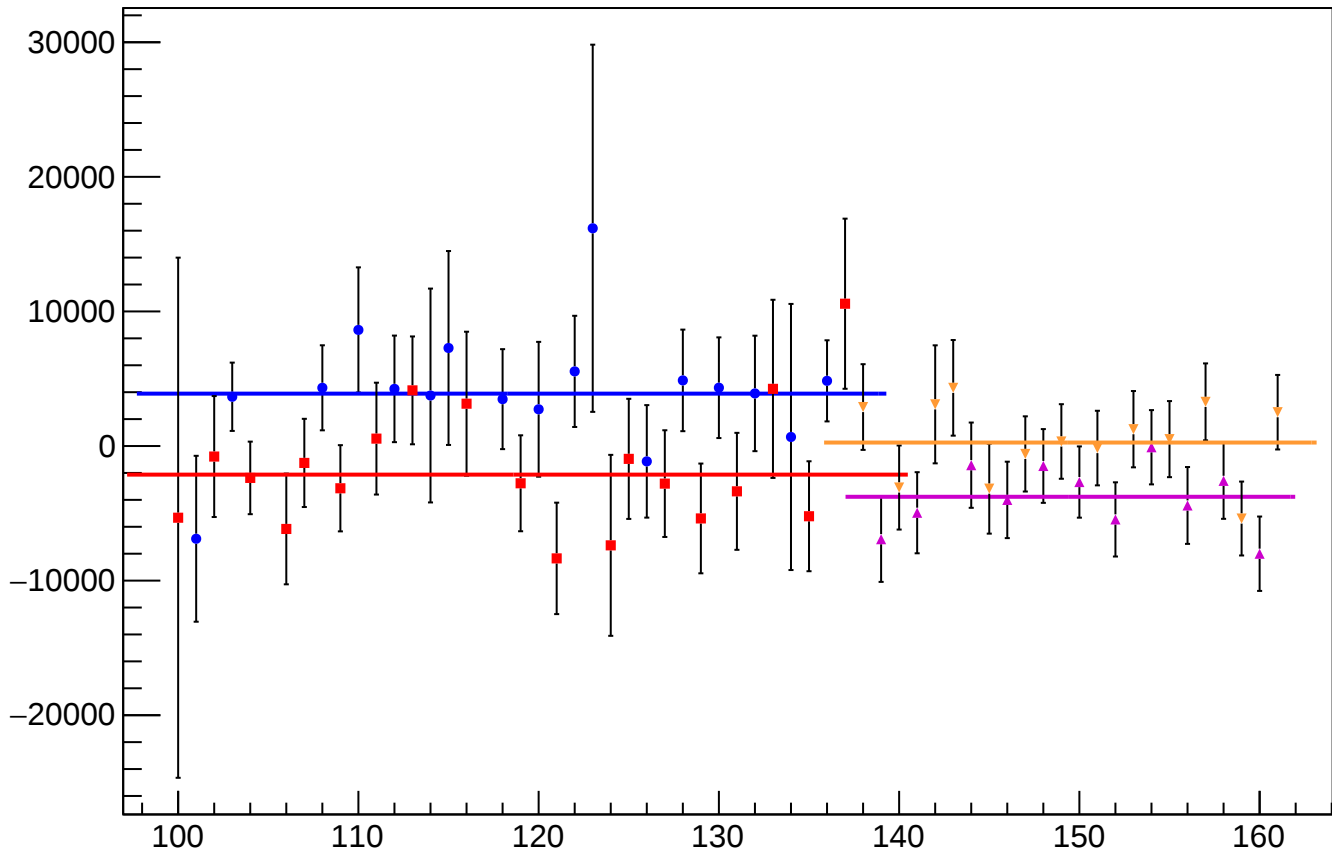
Right Out: 2900.472+/-0.785 χ^2/NDF : 169720.6/18

Left In: 2911.763+/-0.688 χ^2/NDF : 25514.1/10

2927.512+/-0.516 χ^2/NDF : 695831.4/29

2906.860+/-0.517 χ^2/NDF : 195351.7/29

reg_asym_atr2_mean vs Slug



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

Left Out: 258.787+/-831.765 χ^2/NDF : 10.9/12

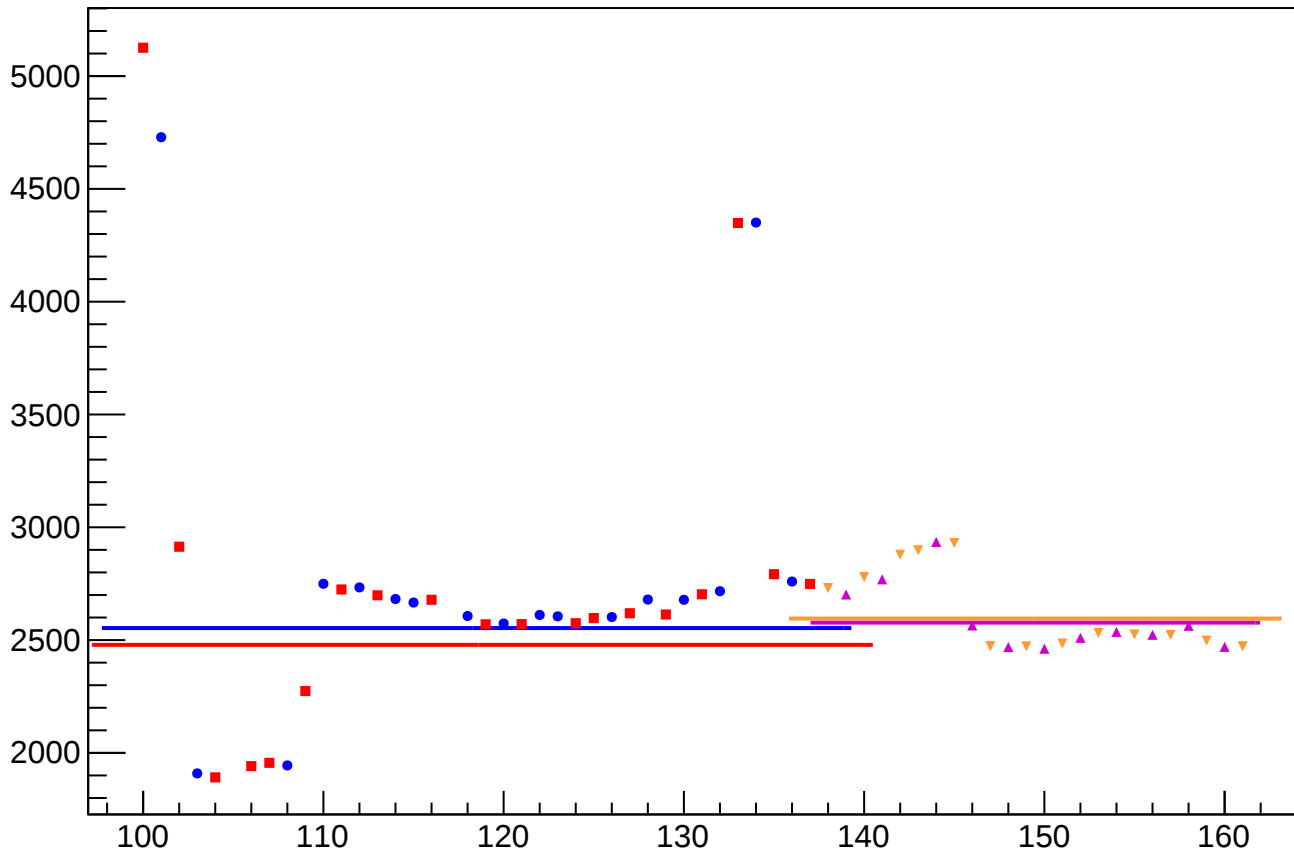
Right Out: -2124.700+/-958.418 χ^2/NDF : 14.3/18

Left In: -3771.228+/-860.259 χ^2/NDF : 7.3/10

1724.284+/-642.505 χ^2/NDF : 25.7/29

-3036.574+/-640.195 χ^2/NDF : 23.3/29

reg_asym_atr2_rms vs Slug



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

Left Out: 2595.488+/-0.588 χ^2/NDF : 74428.8/12

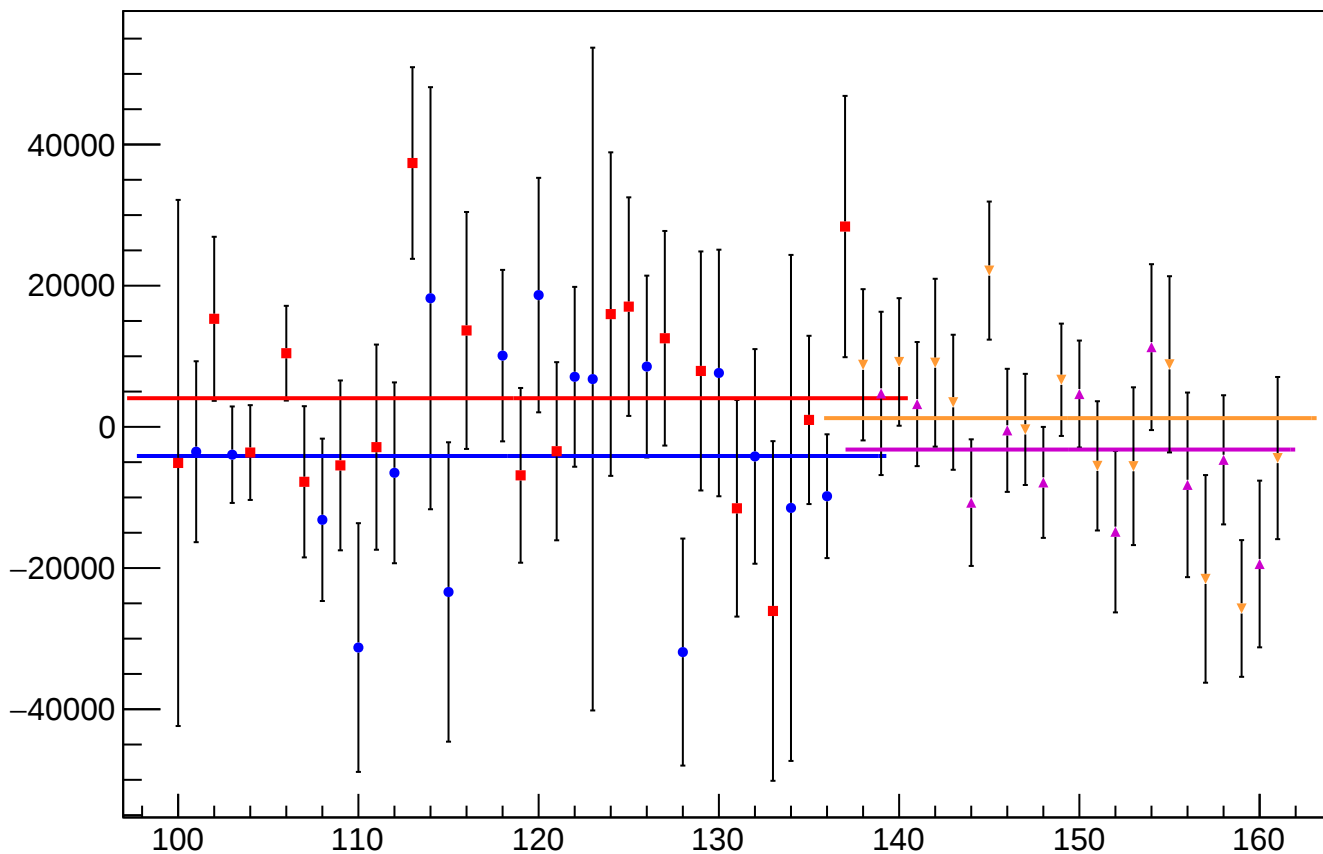
2578.465+/-0.454 χ^2/NDF : 621732.7/29

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

2533.456+/-0.453 χ^2/NDF : 510319.6/29

Left In: 2577.442+/-0.608 χ^2/NDF : 49098.2/10

asym_atr2_correction_mean vs Slug



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

Left Out: 1237.533+/-2767.356 χ^2/NDF : 18.5/12

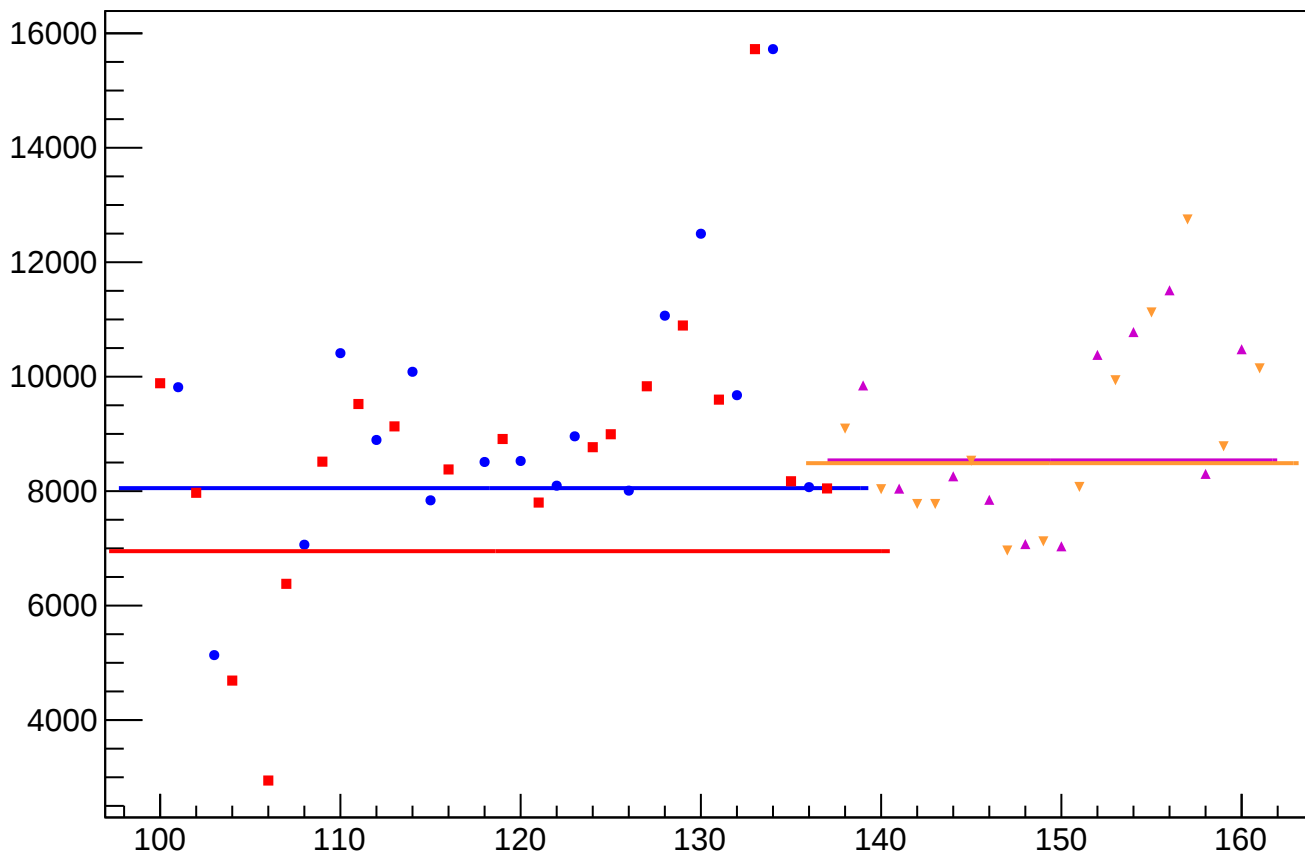
Right Out: 4060.328+/-2834.326 χ^2/NDF : 18.5/18

Left In: -3213.812+/-2893.029 χ^2/NDF : 7.9/10

-1035.464+/-2100.709 χ^2/NDF : 33.5/29

497.807+/-2024.607 χ^2/NDF : 29.6/29

asym_atr2_correction_rms vs Slug



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

Left Out: 8488.713+/-1.957 χ^2/NDF : 501853.3/12

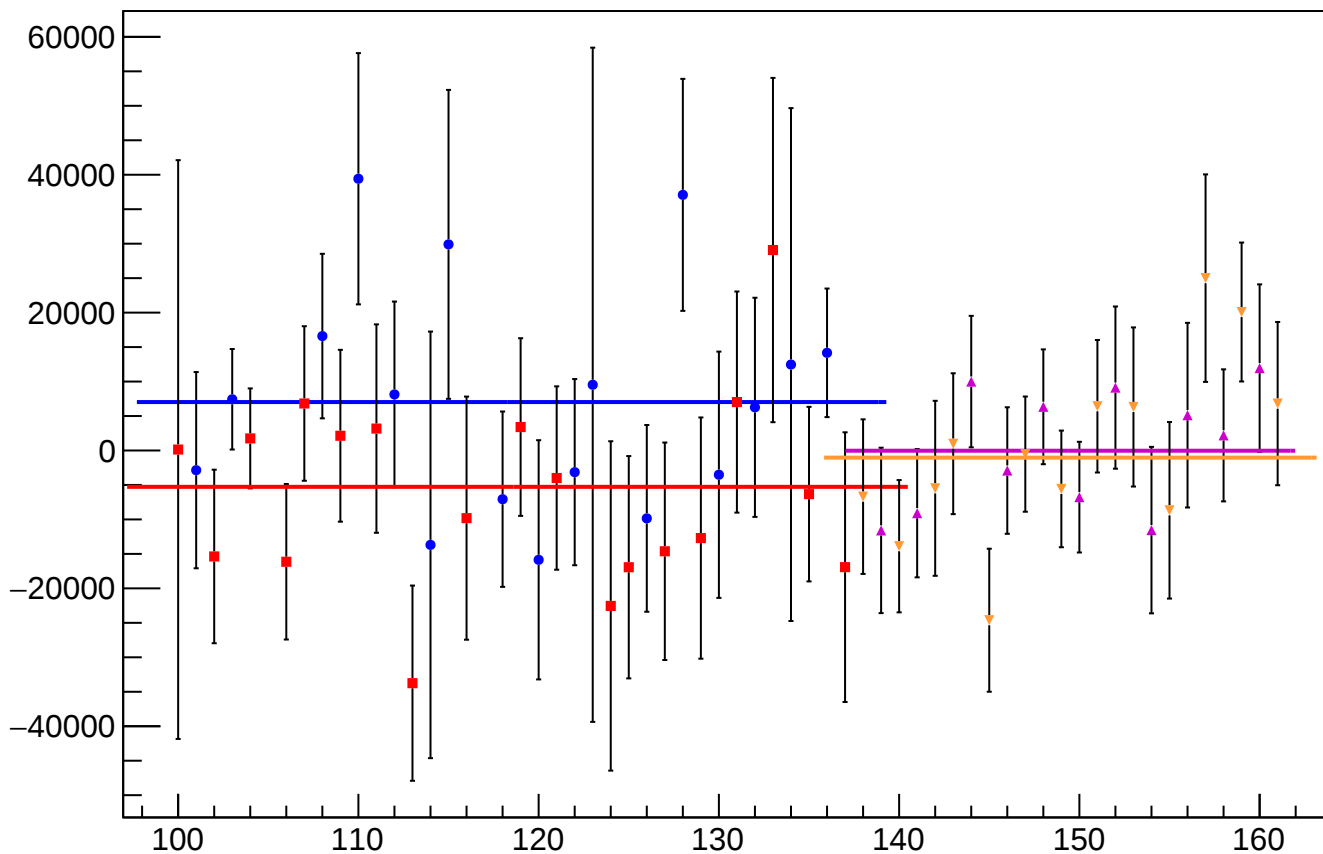
Right Out: 6950.943+/-2.004 χ^2/NDF : 1776578.9/18

Left In: 8536.920+/-2.046 χ^2/NDF : 477771.9/10

8303.884+/-1.485 χ^2/NDF : 1313630.6/29

7727.678+/-1.432 χ^2/NDF : 2561040.7/29

asym_atr2_mean vs Slug



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

Left Out: -1034.932+/-2910.923 χ^2/NDF : 16.9/12

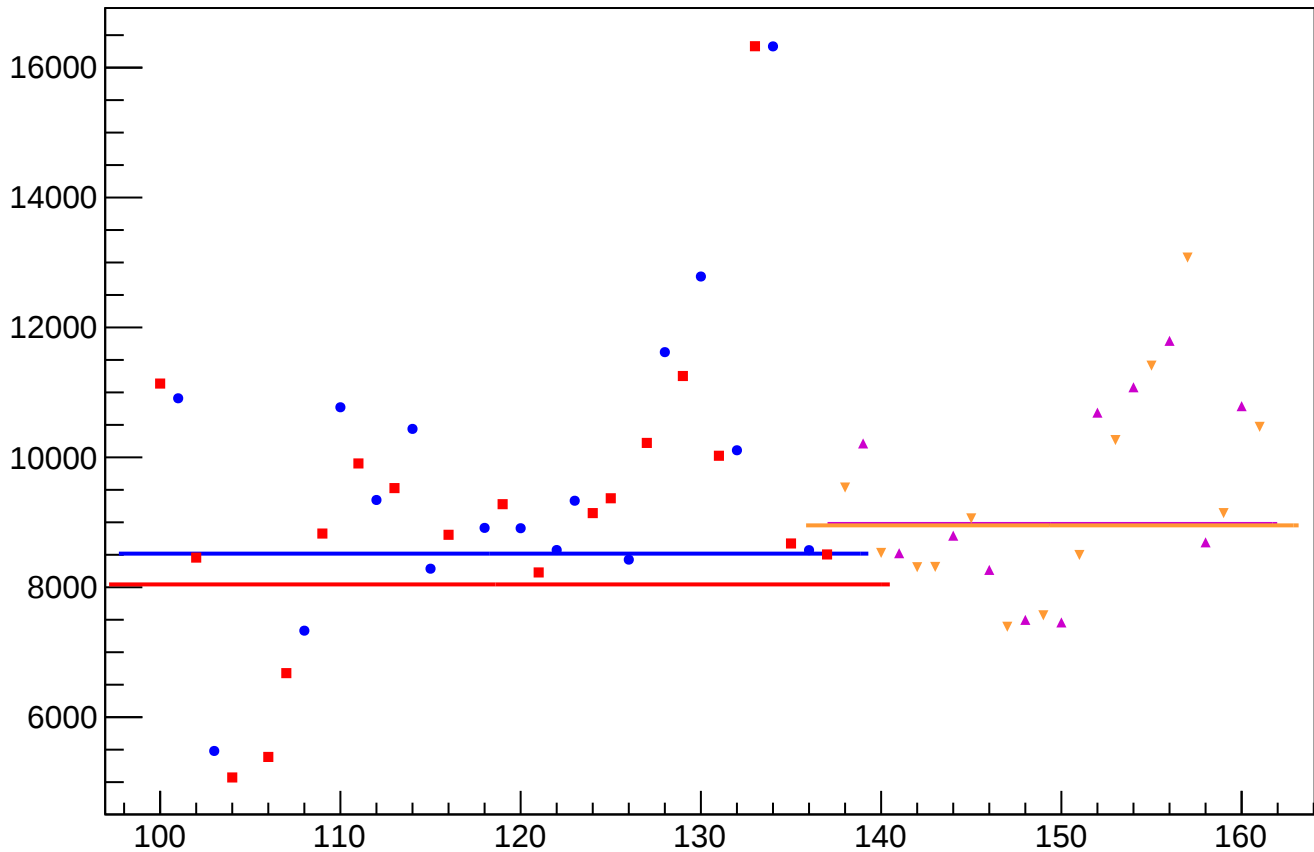
Right Out: -5271.793+/-3168.195 χ^2/NDF : 13.4/18

Left In: -33.345+/-3034.062 χ^2/NDF : 7.1/10

2363.350+/-2213.822 χ^2/NDF : 35.1/29

-2539.333+/-2191.291 χ^2/NDF : 21.8/29

asym_atr2_rms vs Slug



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

Left Out: 8953.066+/-2.058 χ^2 /NDF: 433621.7/12

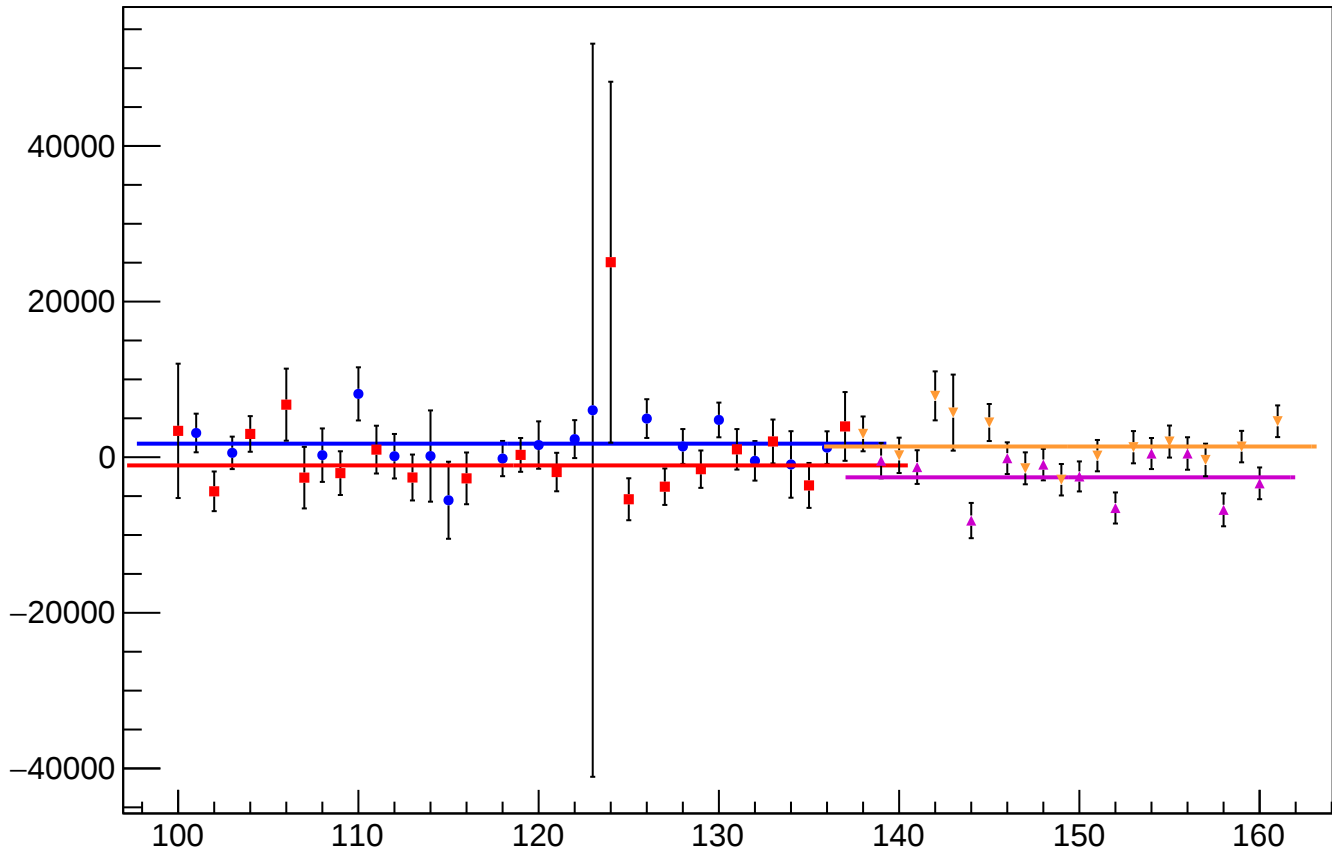
8769.592+/-1.565 χ^2 /NDF: 1215748.8/29

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

8529.419+/-1.549 χ^2 /NDF: 1453073.1/29

Left In: 8974.639+/-2.145 χ^2 /NDF: 410927.5/10

reg_asym_atl_avg_mean vs Slug



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

Left Out: 1374.991 ± 617.397 χ^2/NDF : 17.5/12

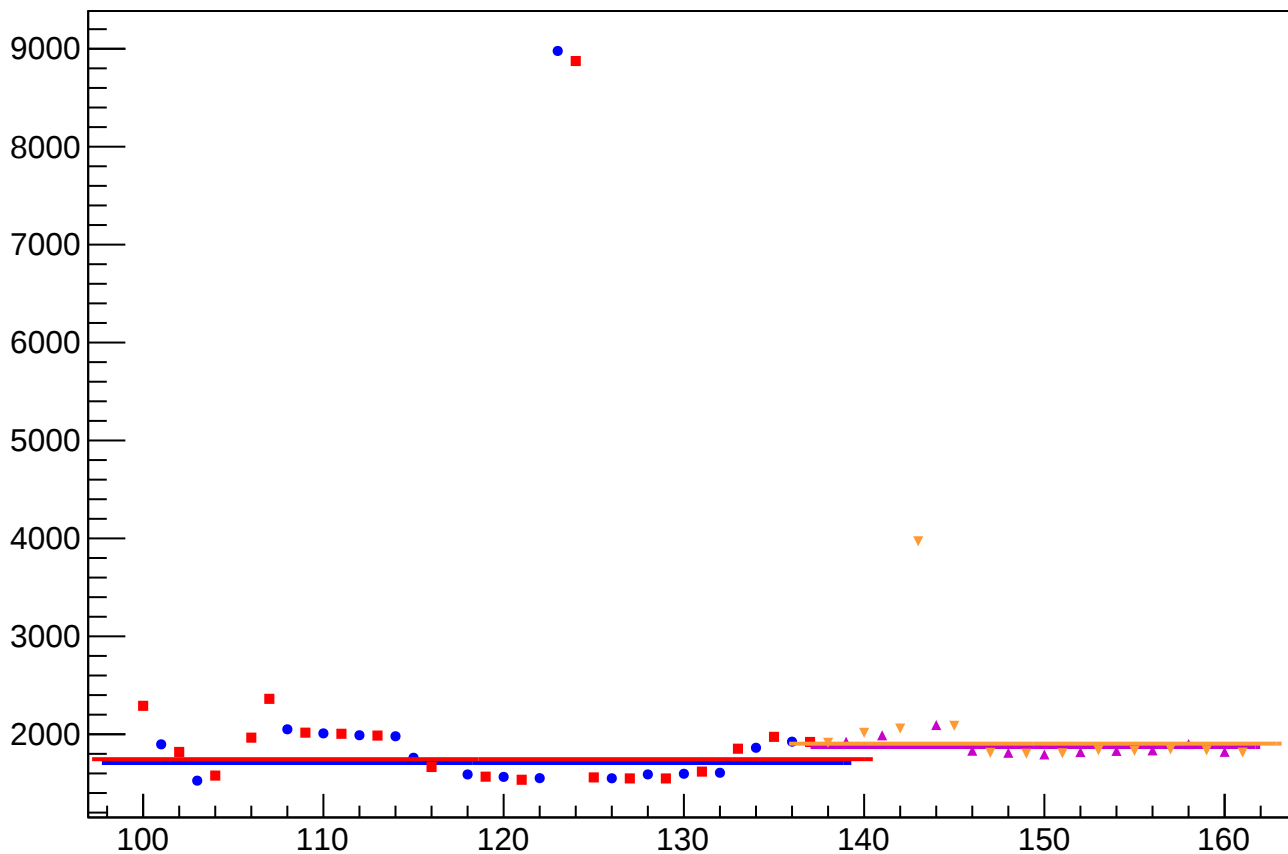
Right Out: -1055.584 ± 670.984 χ^2/NDF : 18.9/18

Left In: -2586.707 ± 626.238 χ^2/NDF : 21.8/10

1542.334 ± 454.148 χ^2/NDF : 30.1/29

-1873.898 ± 457.819 χ^2/NDF : 43.5/29

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1904.028+/-0.437 χ^2/NDF : 405634.5/12

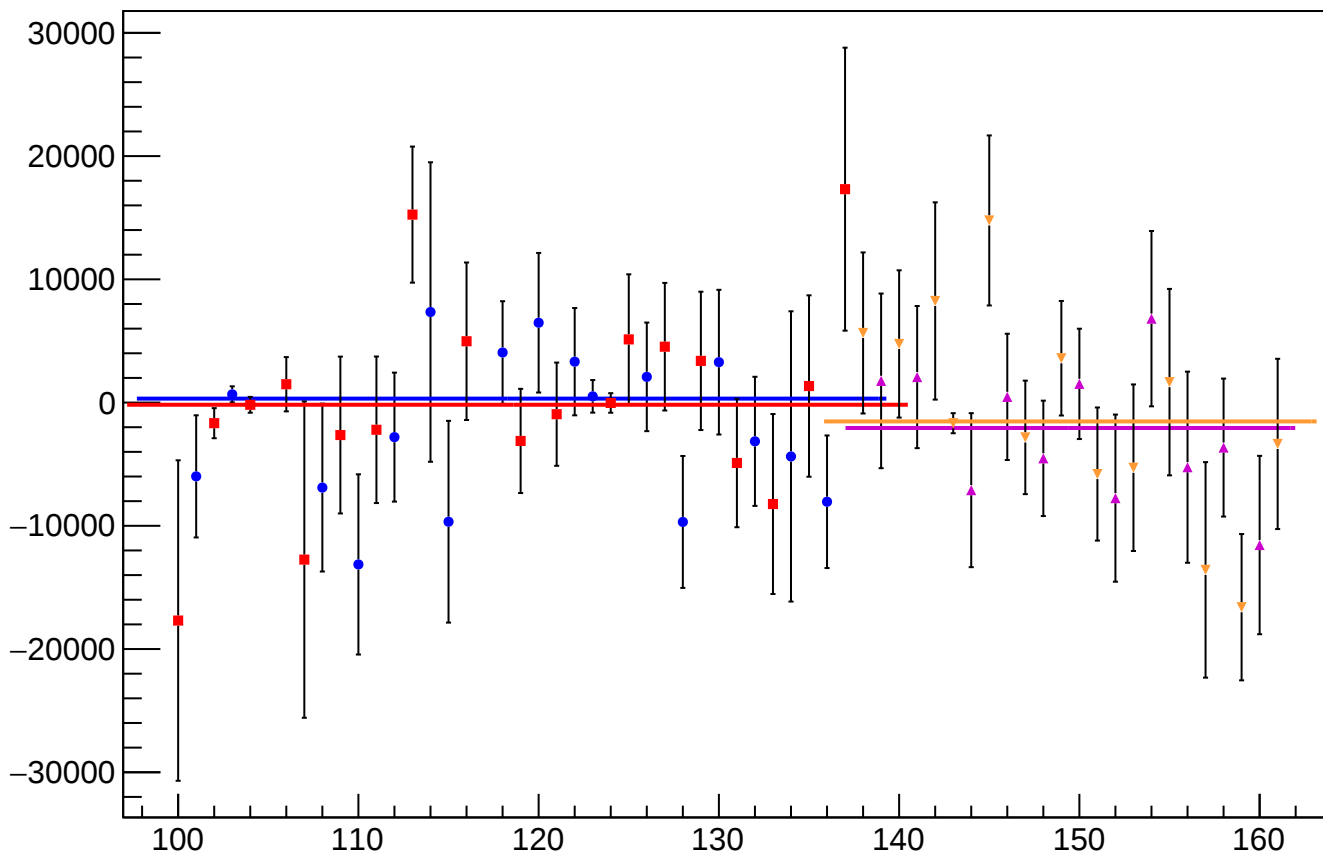
Right Out: 1745.434+/-0.472 χ^2/NDF : 399811.9/18

Left In: 1869.971+/-0.443 χ^2/NDF : 36541.1/10

1813.548+/-0.321 χ^2/NDF : 696789.6/29

1811.716+/-0.323 χ^2/NDF : 473351.2/29

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1529.793+/-740.393 χ^2/NDF :20.3/12

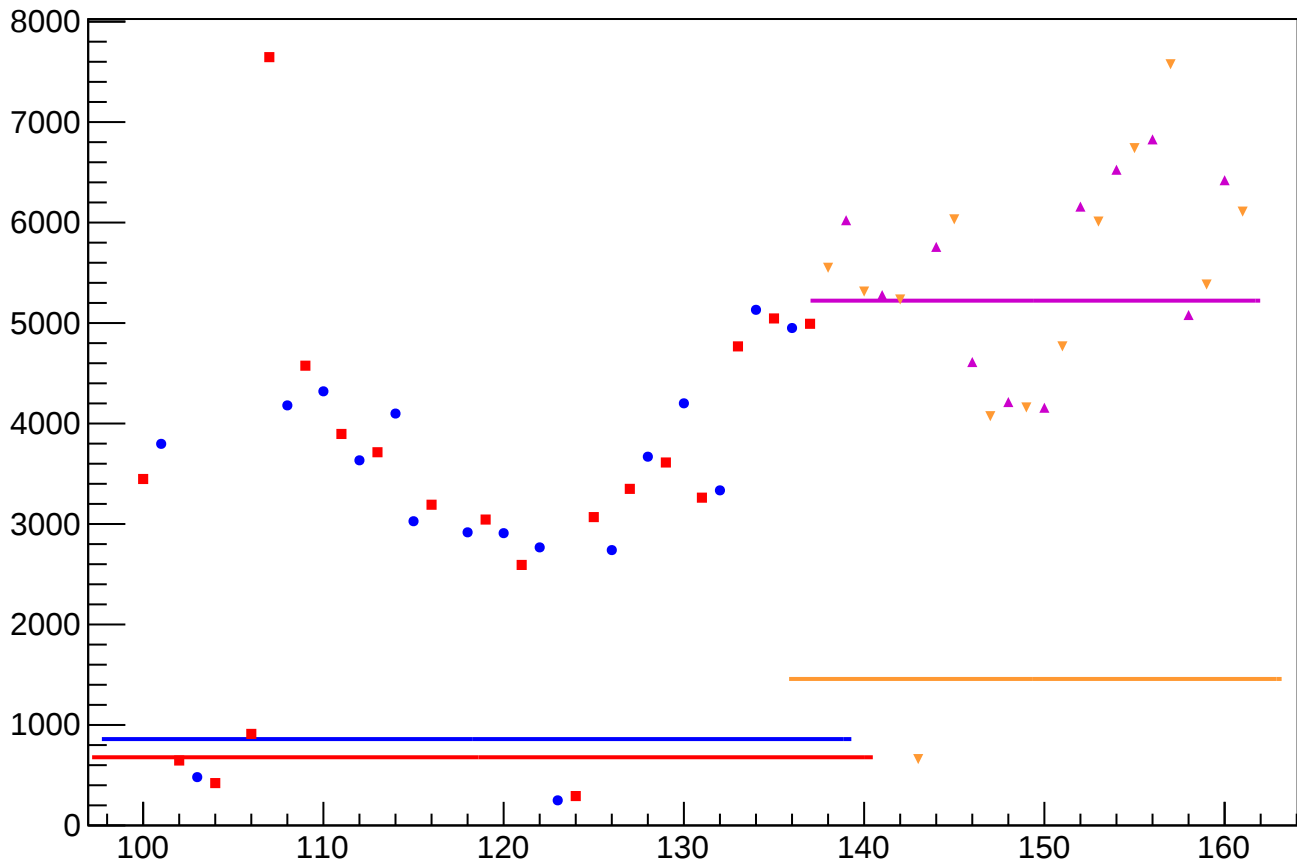
Right Out: -176.640+/-433.552 χ^2/NDF : 20.8/18

Left In: -2062.067+/-1772.352 χ^2/NDF :6.8/10

-322.318+/-436.490 χ^2/NDF : 42.3/29

-283.091+/-421.135 χ^2/NDF : 28.7/29

asym_atl_avg_correction_rms vs Slug



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

Left Out: 1457.951+/-0.524 χ^2/NDF : 11573324.4/12

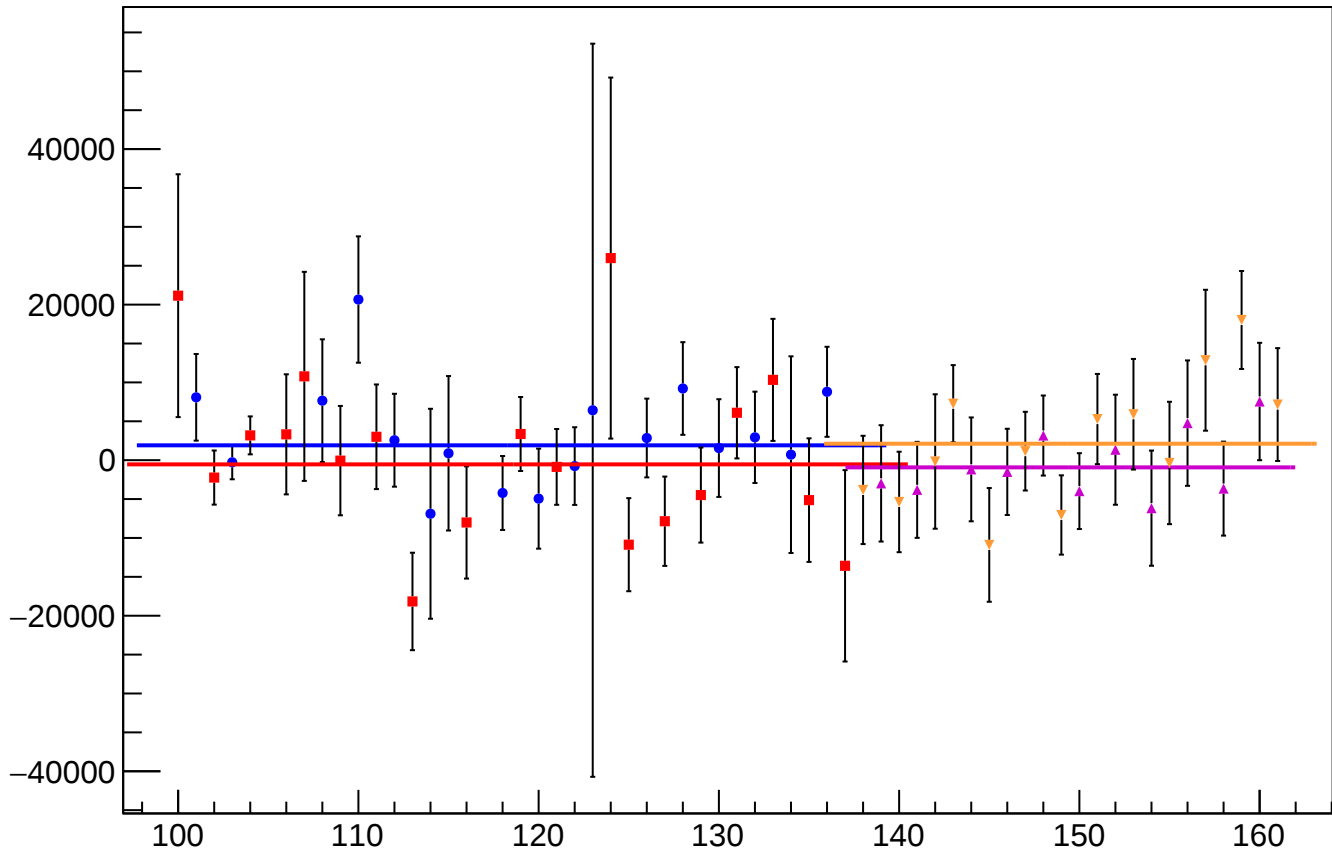
Right Out: 678.603+/-0.307 χ^2/NDF : 8384814.2/18

Left In: 5222.717+/-1.253 χ^2/NDF : 522071.8/10

1067.532+/-0.309 χ^2/NDF : 20568949.0/29

935.164+/-0.298 χ^2/NDF : 21311660.2/29

asym_atl_avg_mean vs Slug



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

Left Out: 2115.154 ± 1776.382 χ^2/NDF : 18.6/12

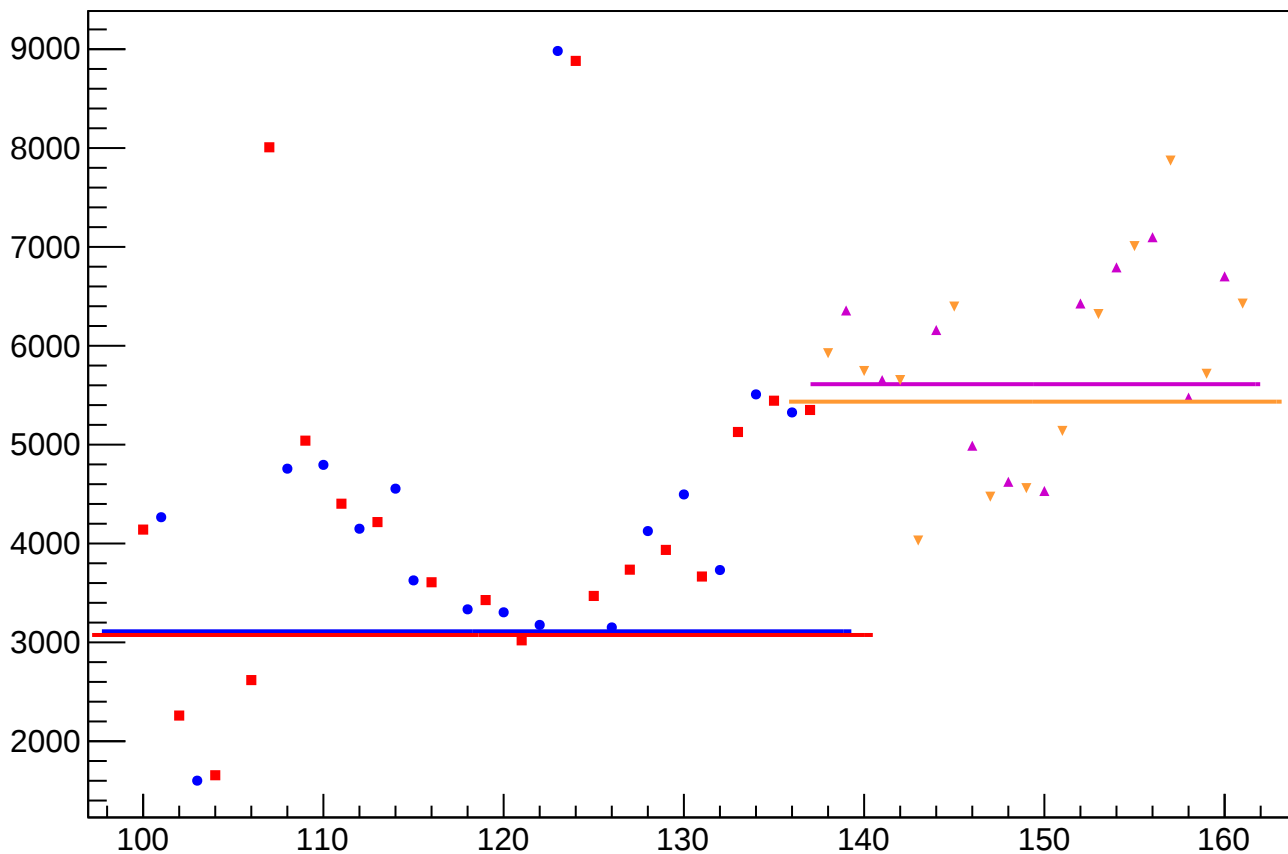
Right Out: -539.549 ± 1285.817 χ^2/NDF : 26.4/18

Left In: -925.684 ± 1898.525 χ^2/NDF : 3.9/10

1981.862 ± 1054.429 χ^2/NDF : 33.2/29

-660.971 ± 1064.625 χ^2/NDF : 30.3/29

asym_atl_avg_rms vs Slug



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

Left Out: 5434.768 ± 1.256 χ^2/NDF : 644415.7/12

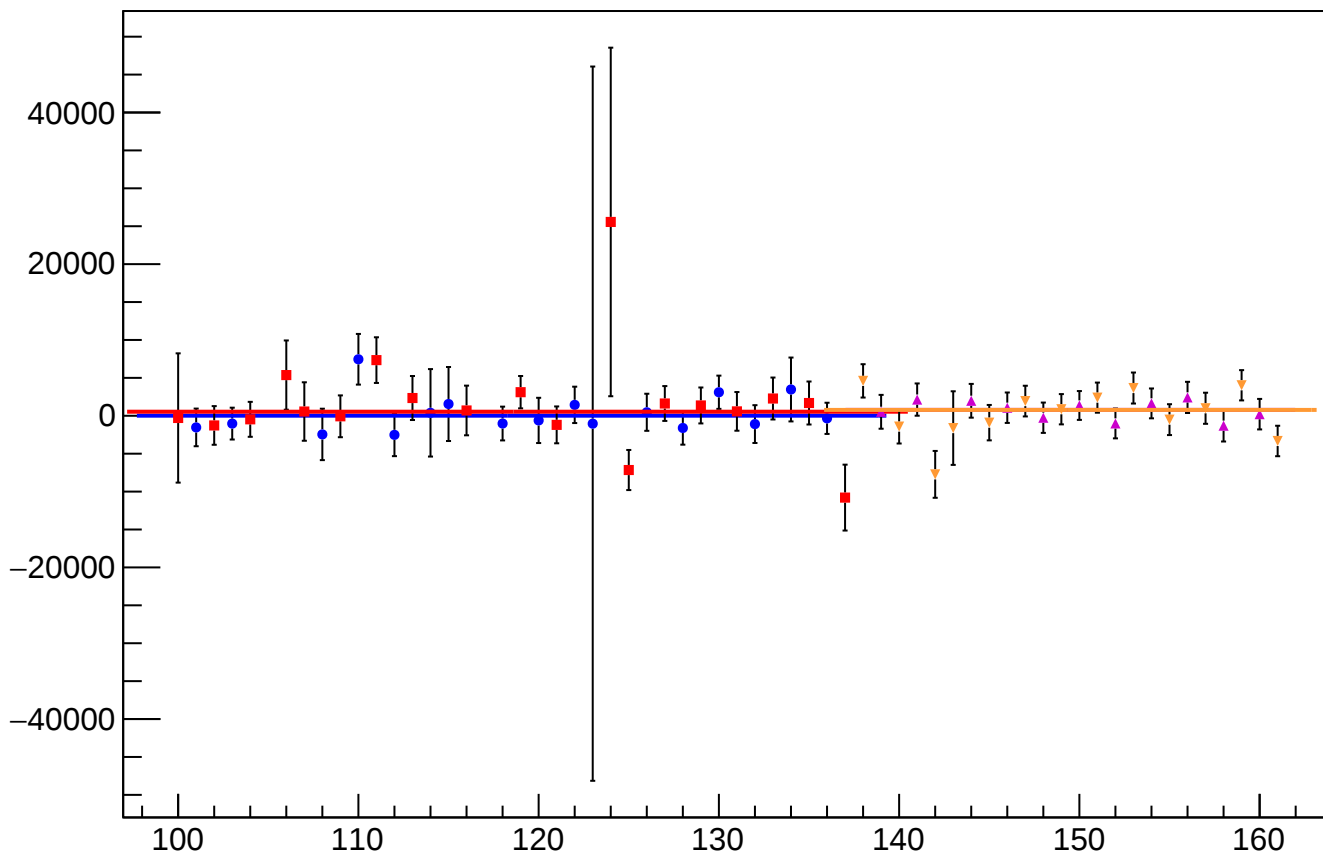
Right Out: 3074.771 ± 0.896 χ^2/NDF : 2005627.6/18

Left In: 5611.444 ± 1.342 χ^2/NDF : 418650.9/10

3930.286 ± 0.746 χ^2/NDF : 4739023.0/29

3856.592 ± 0.745 χ^2/NDF : 4894308.5/29

reg_asym_atl_dd_mean vs Slug



Right In: 14.118 ± 661.101 $\chi^2/\text{NDF}: 11.1/16$

Left Out: 773.192 ± 608.179 $\chi^2/\text{NDF}: 22.5/12$

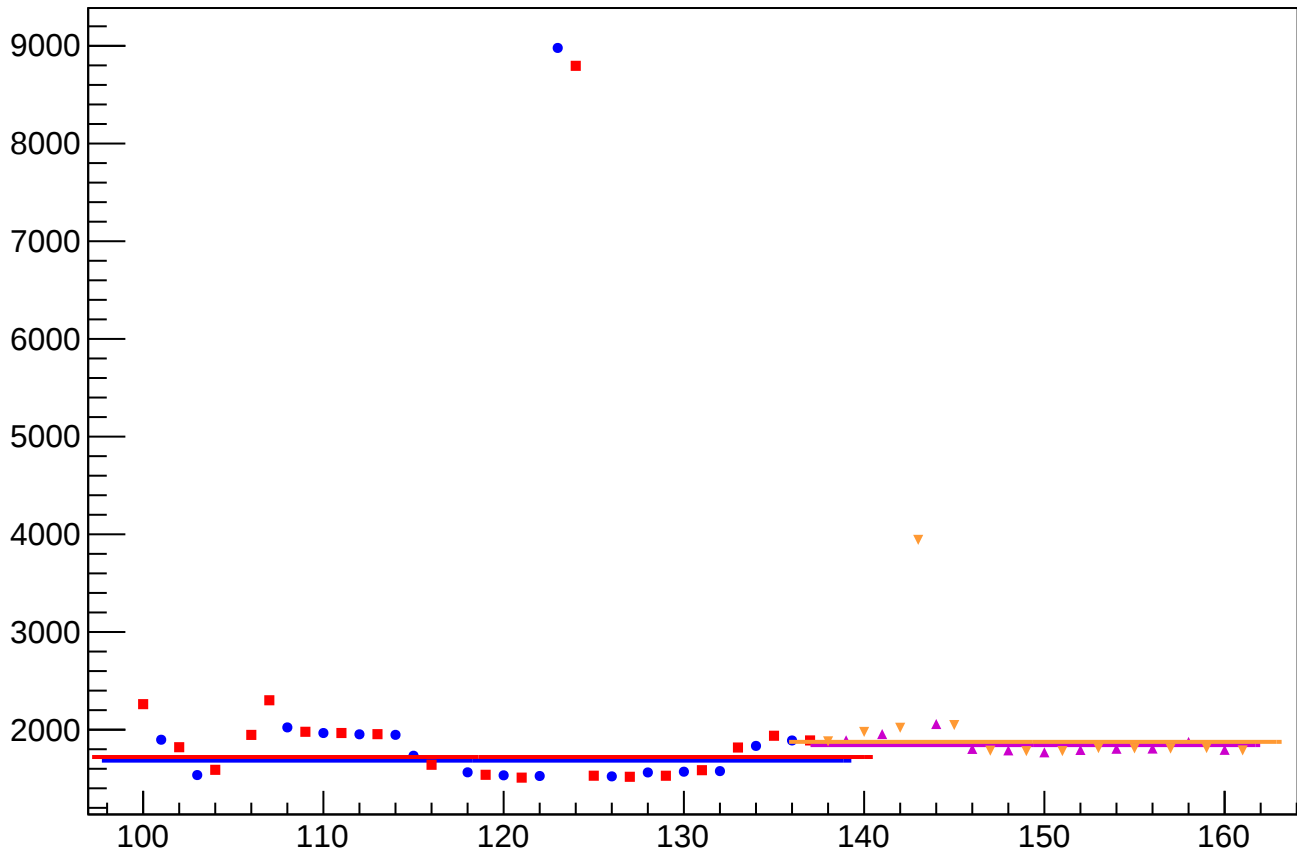
Right Out: 537.476 ± 661.143 $\chi^2/\text{NDF}: 26.7/18$

Left In: 775.364 ± 616.936 $\chi^2/\text{NDF}: 3.8/10$

425.249 ± 447.589 $\chi^2/\text{NDF}: 34.4/29$

664.639 ± 451.059 $\chi^2/\text{NDF}: 30.6/29$

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1875.503+/-0.430 χ^2/NDF : 407635.2/12

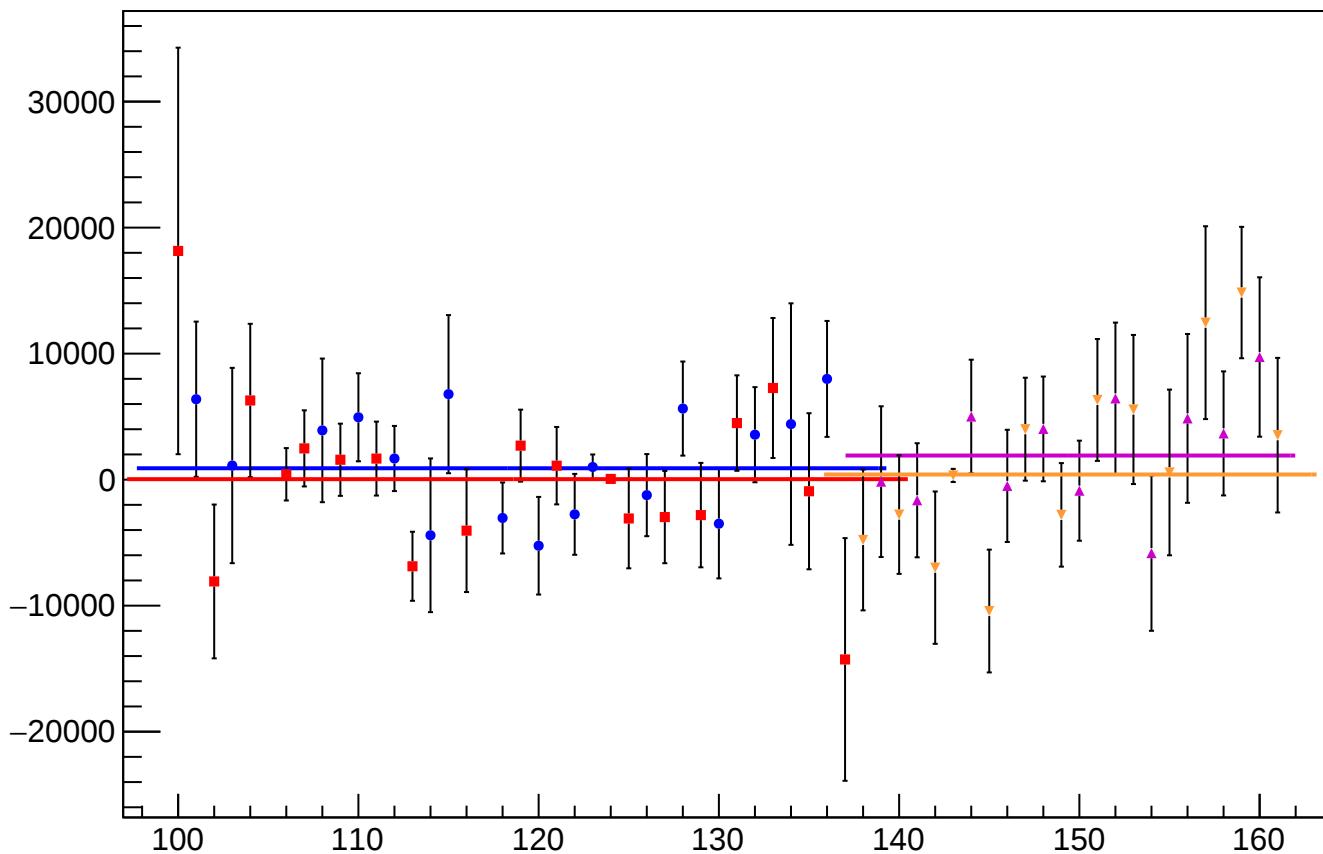
Right Out: 1720.379+/-0.465 χ^2/NDF : 396099.9/18

Left In: 1842.240+/-0.436 χ^2/NDF : 34860.3/10

1787.382+/-0.316 χ^2/NDF : 695129.1/29

1785.257+/-0.318 χ^2/NDF : 467449.2/29

asym_atl_dd_correction_mean vs Slug



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

Left Out: 409.313 ± 493.618 χ^2/NDF : 21.8/12

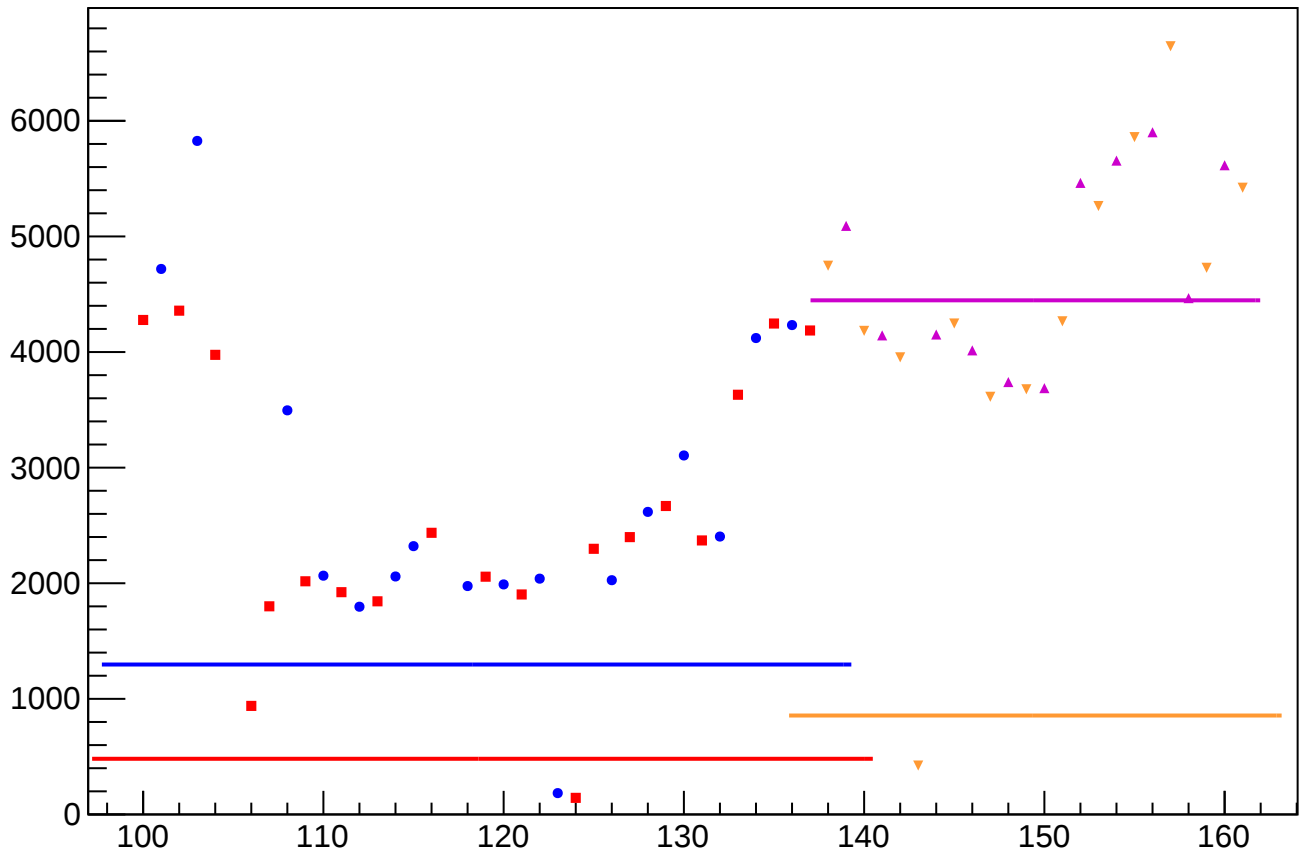
Right Out: 38.143 ± 357.176 χ^2/NDF : 20.5/18

Left In: 1912.964 ± 1507.129 χ^2/NDF : 6.2/10

571.657 ± 404.462 χ^2/NDF : 38.2/29

137.842 ± 347.550 χ^2/NDF : 28.2/29

asym_atl_dd_correction_rms vs Slug



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

Left Out: 855.845+/-0.349 χ^2/NDF :13311814.6/12

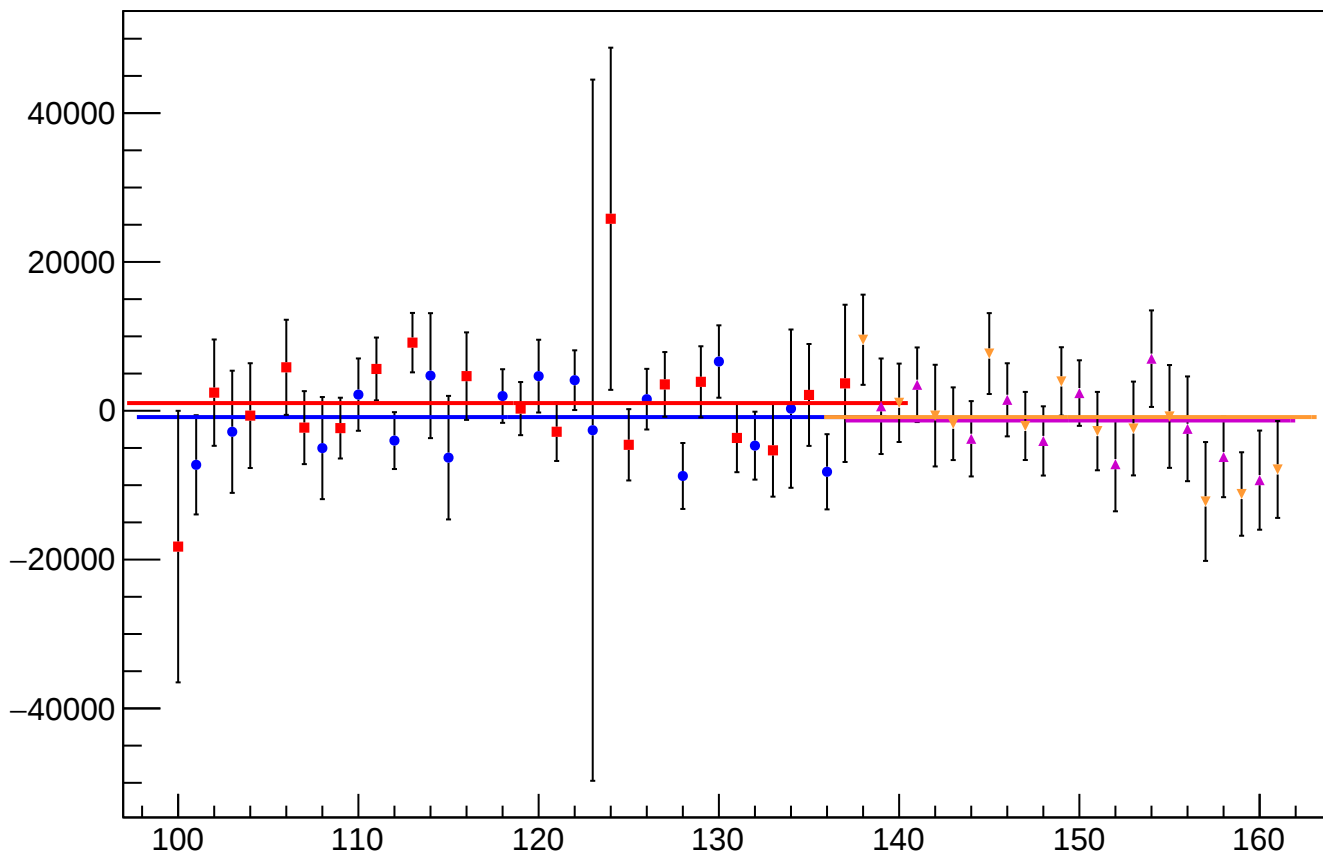
1000.815+/-0.286 χ^2/NDF : 20346378.7/29

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

692.469+/-0.246 χ^2/NDF : 23742773.2/29

Left In: 4447.336+/-1.066 χ^2/NDF :487181.5/10

asym_atl_dd_mean vs Slug



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

Left Out: -847.918+/-1564.241 χ^2/NDF : 13.5/12

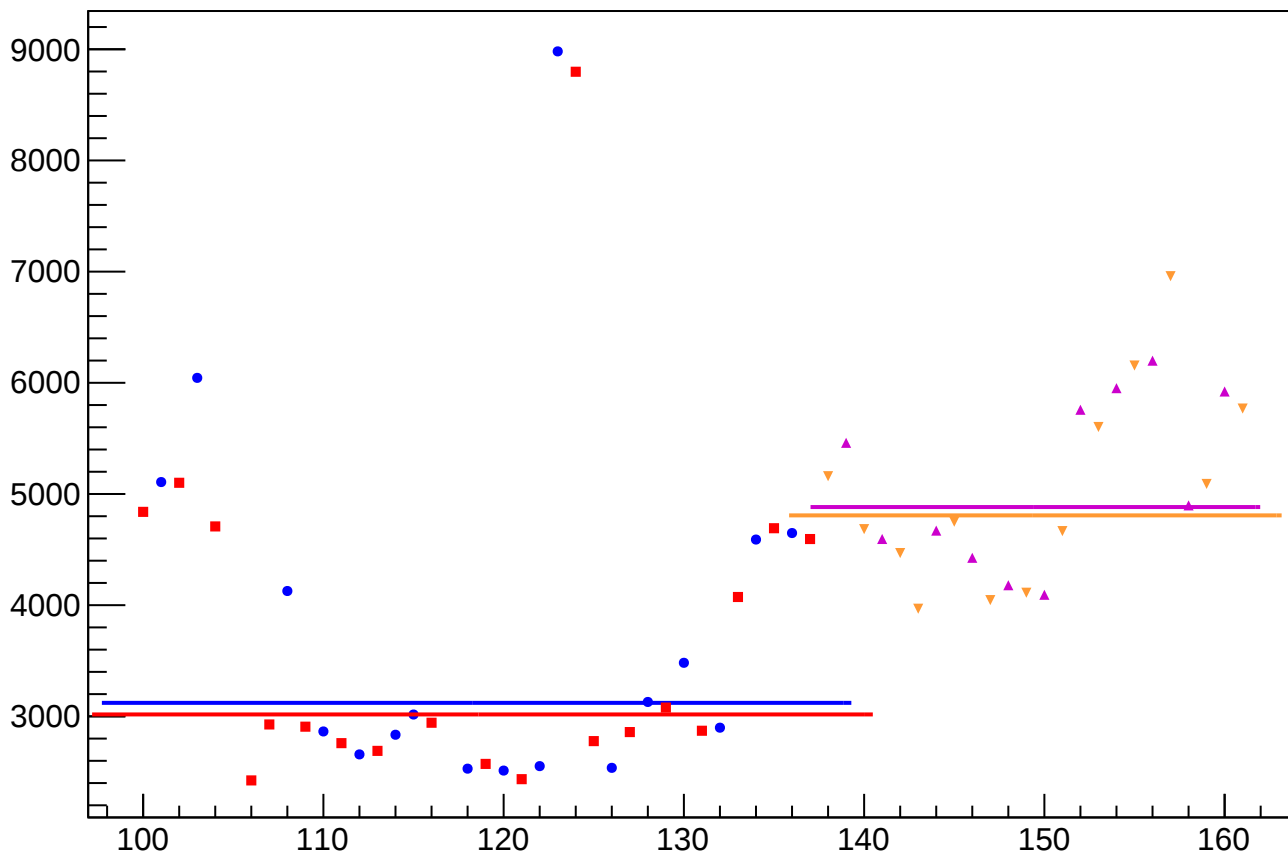
Right Out: 1033.205+/-1190.714 χ^2/NDF : 15.0/18

Left In: -1306.025+/-1648.864 χ^2/NDF : 7.4/10

-848.799+/-981.740 χ^2/NDF : 28.9/29

231.436+/-965.324 χ^2/NDF : 23.7/29

asym_atl_dd_rms vs Slug



Right In: 3121.417 ± 0.892 $\chi^2/\text{NDF}: 945708.1/16$

Left Out: 4807.598 ± 1.106 $\chi^2/\text{NDF}: 476433.0/12$

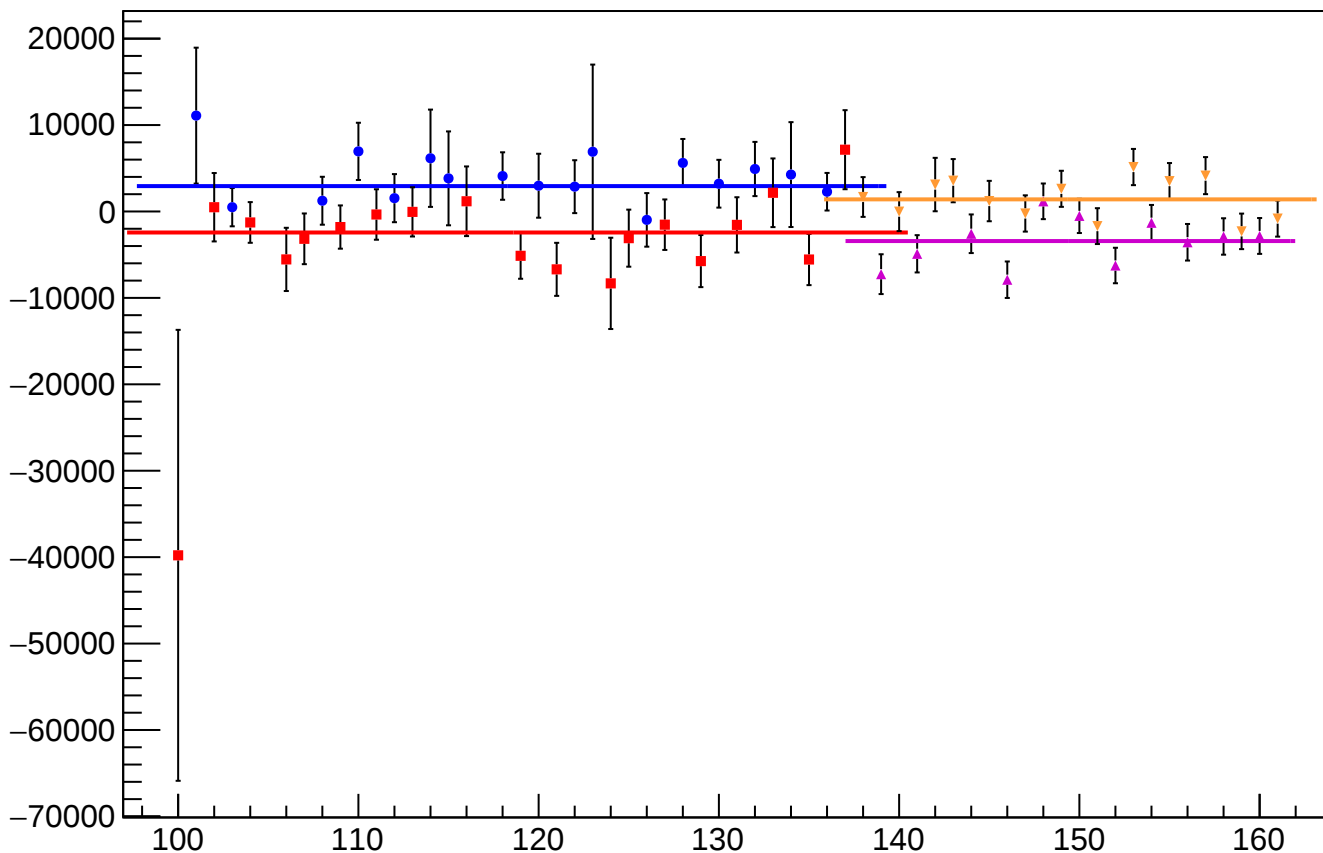
Right Out: 3017.215 ± 0.831 $\chi^2/\text{NDF}: 791997.9/18$

Left In: 4882.570 ± 1.166 $\chi^2/\text{NDF}: 364486.2/10$

3785.598 ± 0.694 $\chi^2/\text{NDF}: 2830707.6/29$

3646.080 ± 0.677 $\chi^2/\text{NDF}: 2853212.9/29$

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1400.636+/-612.960 χ^2/NDF : 14.9/12

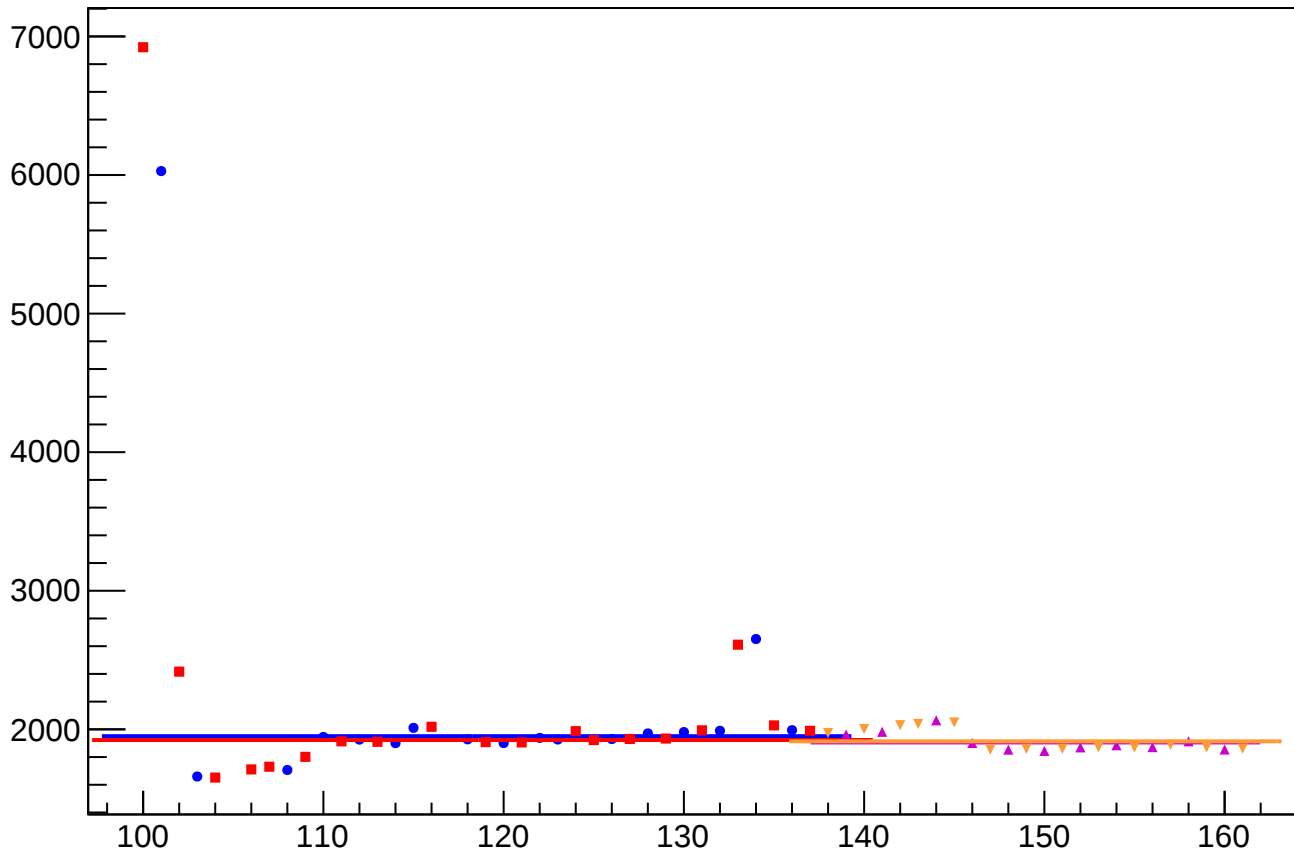
Right Out: -2432.756+/-740.416 χ^2/NDF : 18.2/18

Left In: -3423.089+/-636.180 χ^2/NDF : 18.1/10

1991.071+/-480.851 χ^2/NDF : 25.4/29

-3002.484+/-482.528 χ^2/NDF : 37.3/29

reg_asym_atr_avg_rms vs Slug



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

Left Out: 1913.407 ± 0.433 χ^2/NDF : 27466.4/12

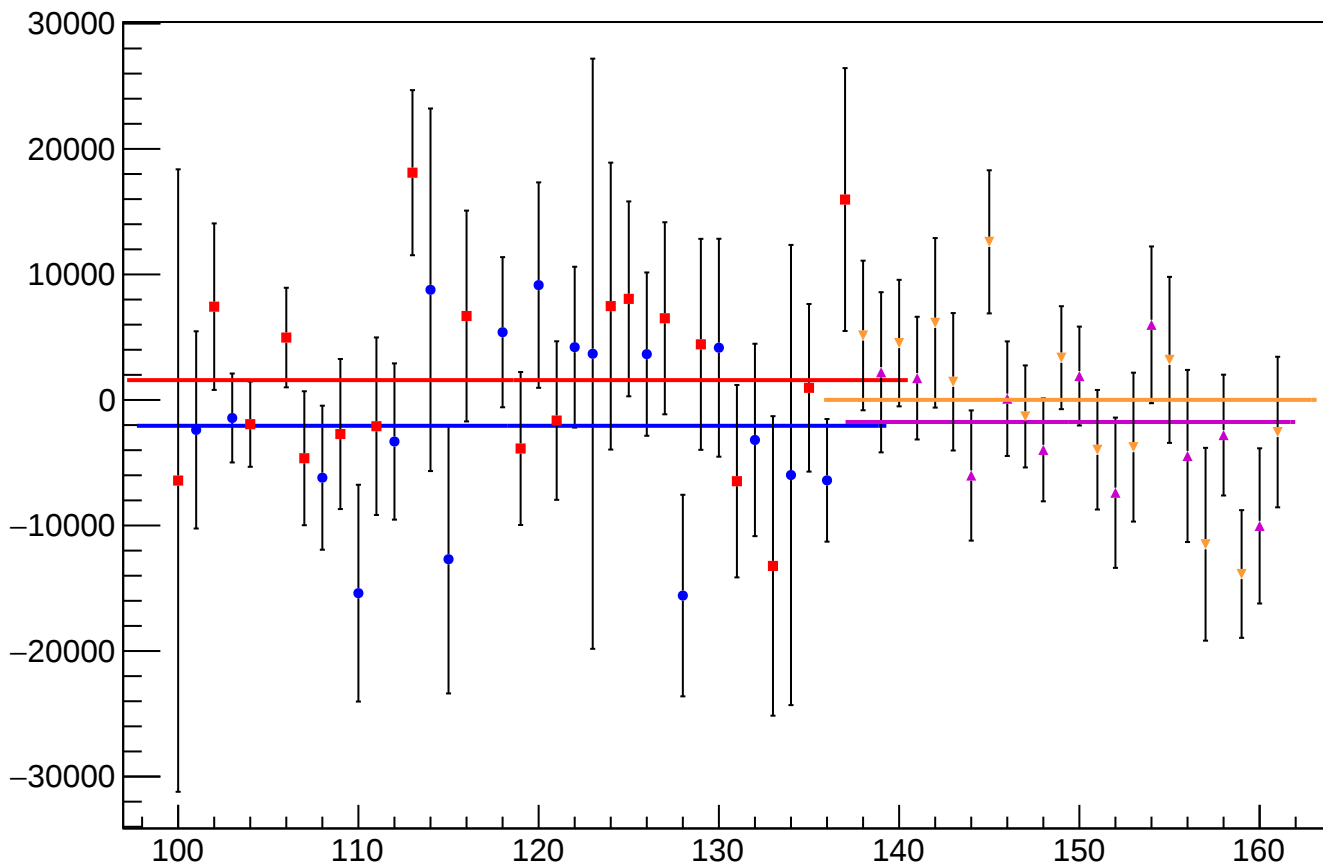
Right Out: 1922.752 ± 0.522 χ^2/NDF : 217400.0/18

Left In: 1905.458 ± 0.450 χ^2/NDF : 19679.5/10

1927.717 ± 0.340 χ^2/NDF : 647632.9/29

1912.823 ± 0.341 χ^2/NDF : 237708.8/29

asym_atr_avg_correction_mean vs Slug



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

Left Out: 9.066+/-1486.752 χ^2 /NDF:19.3/12

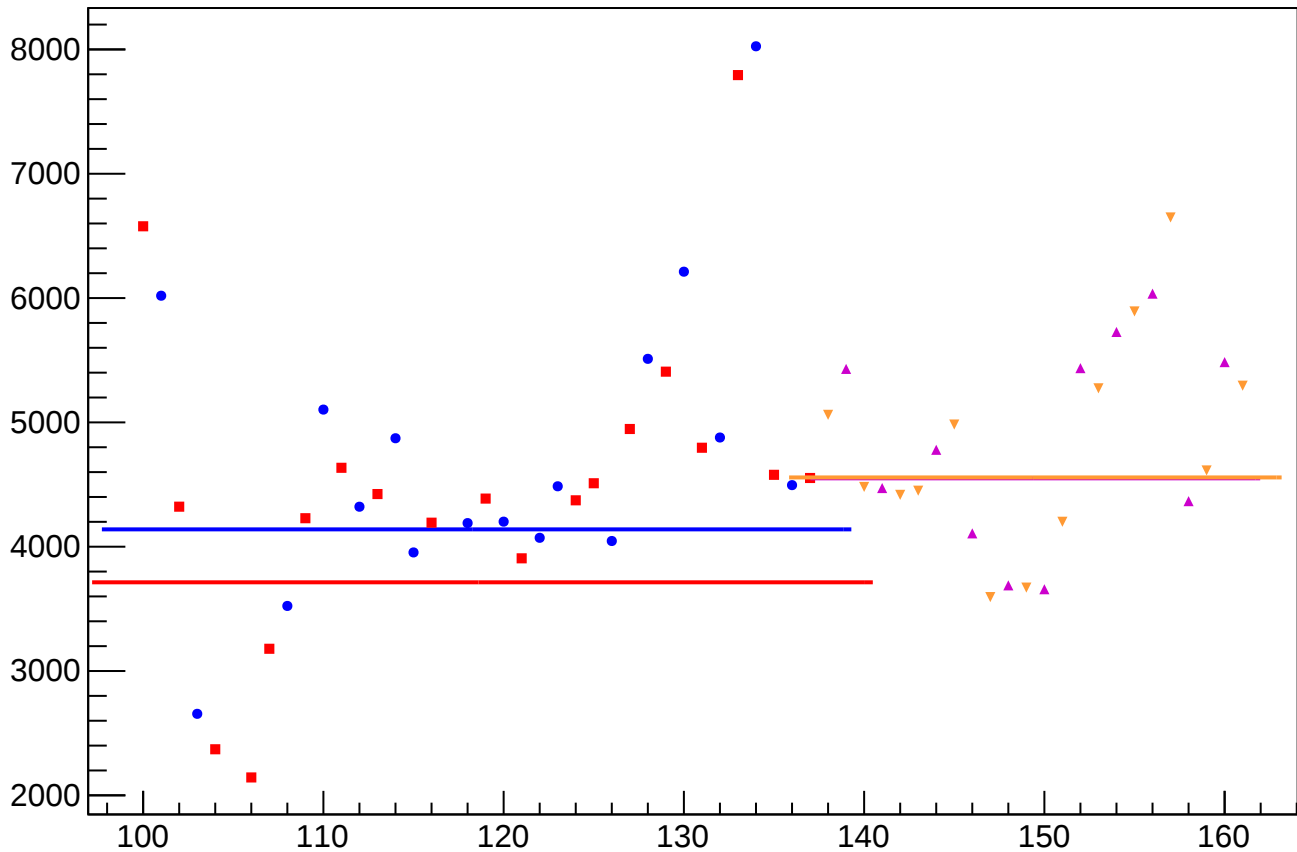
Right Out: 1580.717+/-1477.405 χ^2 /NDF: 18.6/18

Left In: -1753.767+/-1543.436 χ^2 /NDF:7.3/10

-909.843+/-1107.815 χ^2 /NDF: 34.1/29

-13.673+/-1067.263 χ^2 /NDF: 28.4/29

asym_atr_avg_correction_rms vs Slug



Right In: 4139.394 ± 1.175 χ^2/NDF : 813550.8/16

Left Out: 4557.173 ± 1.051 χ^2/NDF : 533900.4/12

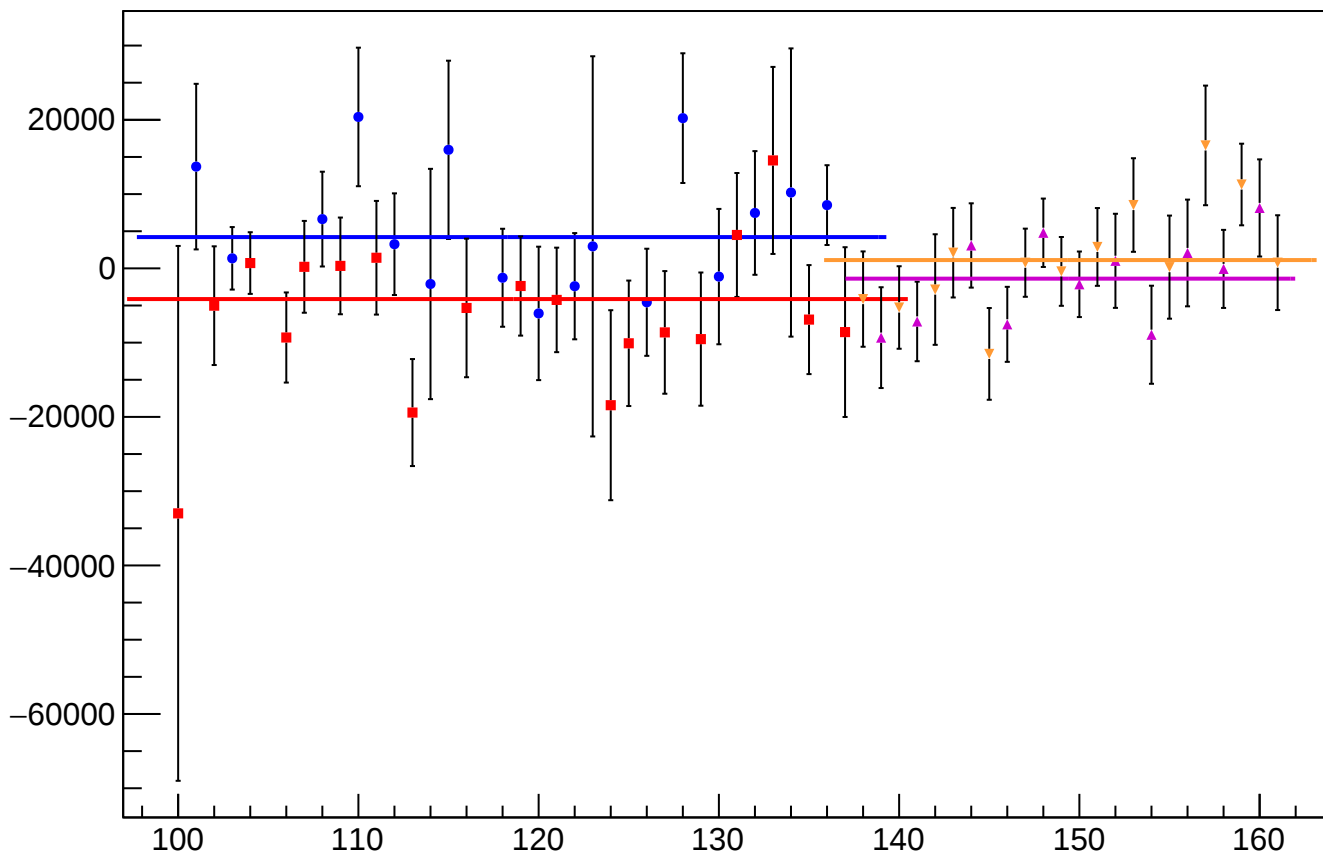
Right Out: 3713.526 ± 1.045 χ^2/NDF : 1275828.5/18

Left In: 4549.910 ± 1.091 χ^2/NDF : 509702.0/10

4371.349 ± 0.783 χ^2/NDF : 1417693.7/29

4113.444 ± 0.755 χ^2/NDF : 2092014.6/29

asym_atr_avg_mean vs Slug



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

Left Out: 1117.535+/-1626.507 χ^2/NDF : 15.2/12

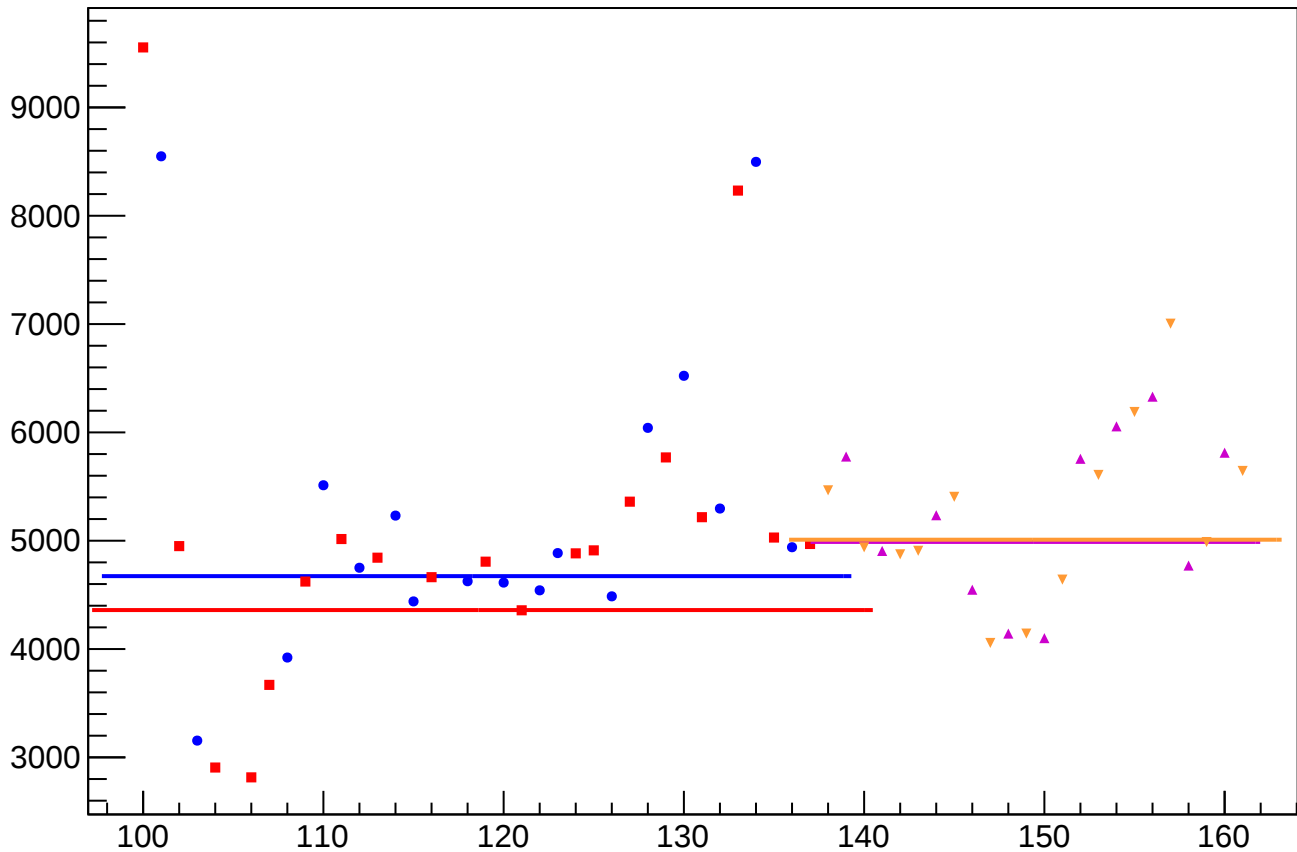
Right Out: -4133.660+/-1725.341 χ^2/NDF : 14.8/18

Left In: -1384.766+/-1685.155 χ^2/NDF : 10.3/10

2449.187+/-1227.603 χ^2/NDF : 31.2/29

-2726.827+/-1205.541 χ^2/NDF : 26.4/29

asym_atr_avg_rms vs Slug



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

Left Out: 5009.327+/-1.150 χ^2/NDF : 404213.1/12

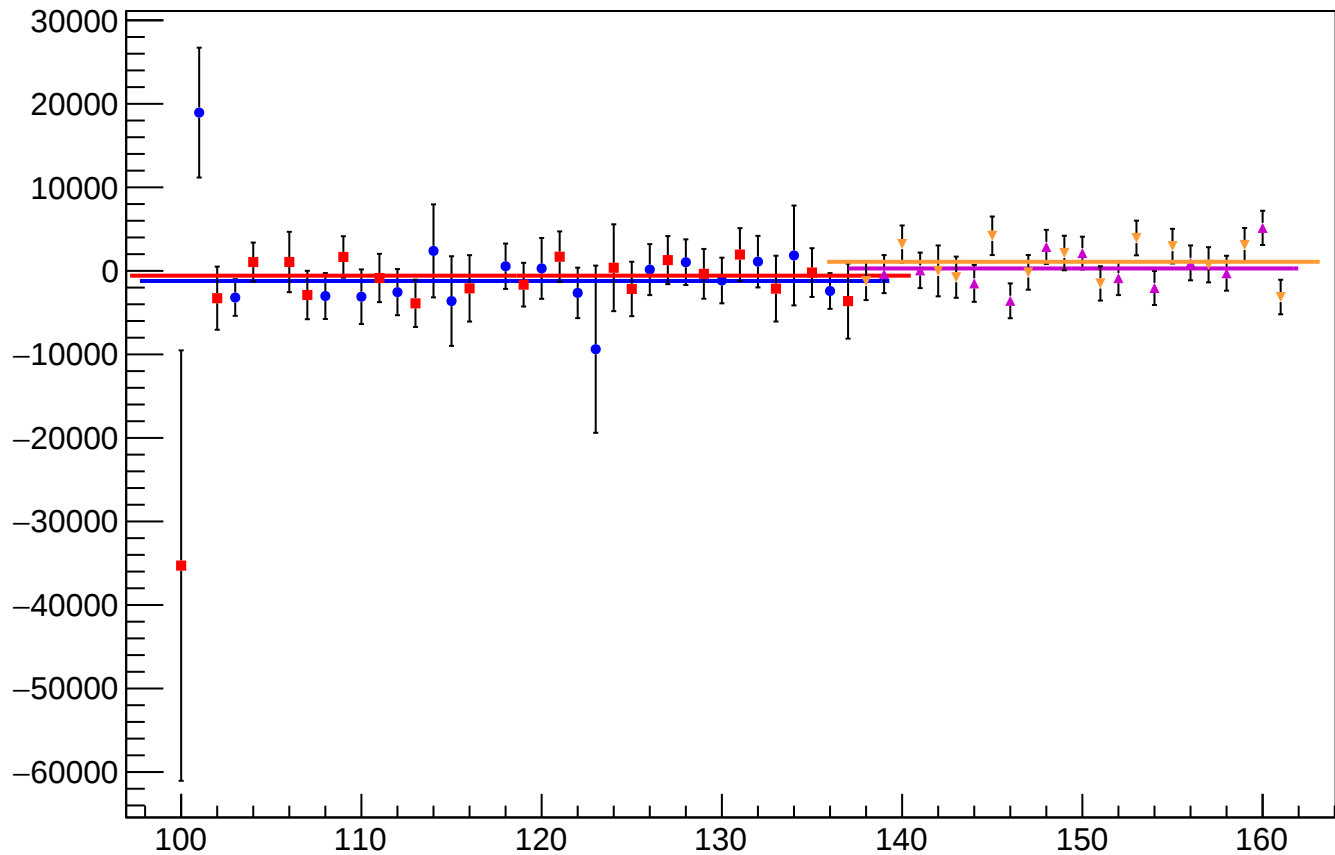
Right Out: 4359.833+/-1.213 χ^2/NDF : 832191.0/18

Left In: 4988.901+/-1.192 χ^2/NDF : 381446.4/10

4864.607+/-0.868 χ^2/NDF : 1218326.1/29

4679.958+/-0.850 χ^2/NDF : 1350513.4/29

reg_asym_atr_dd_mean vs Slug



Right In: -1211.176 ± 765.294 $\chi^2/\text{NDF}: 12.7/16$

Left Out: 1087.168 ± 605.680 $\chi^2/\text{NDF}: 14.6/12$

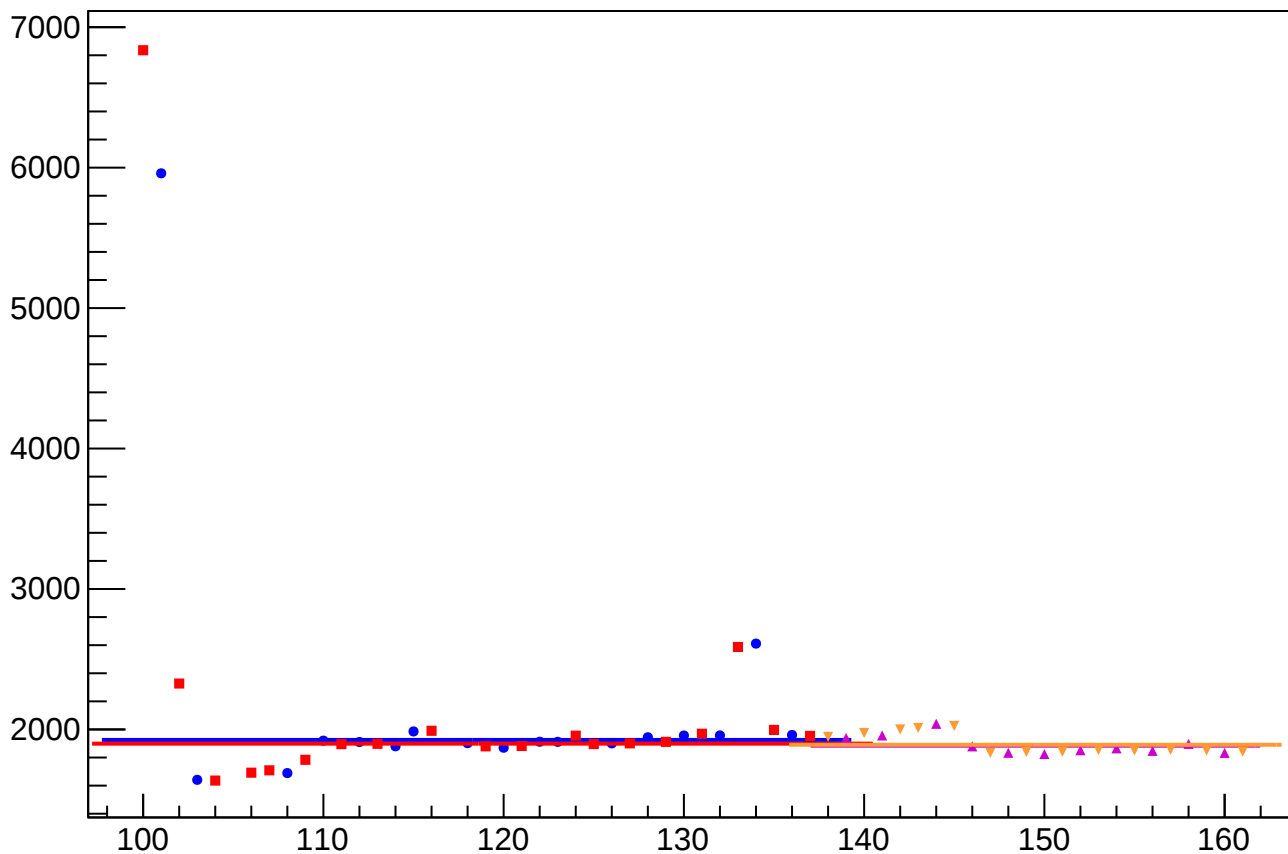
Right Out: -573.457 ± 730.668 $\chi^2/\text{NDF}: 8.7/18$

Left In: 288.698 ± 629.133 $\chi^2/\text{NDF}: 14.1/10$

202.001 ± 474.934 $\chi^2/\text{NDF}: 32.8/29$

-78.360 ± 476.754 $\chi^2/\text{NDF}: 23.6/29$

reg_asym_atr_dd_rms vs Slug



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

Left Out: 1890.783+/-0.428 χ^2 /NDF: 26051.9/12

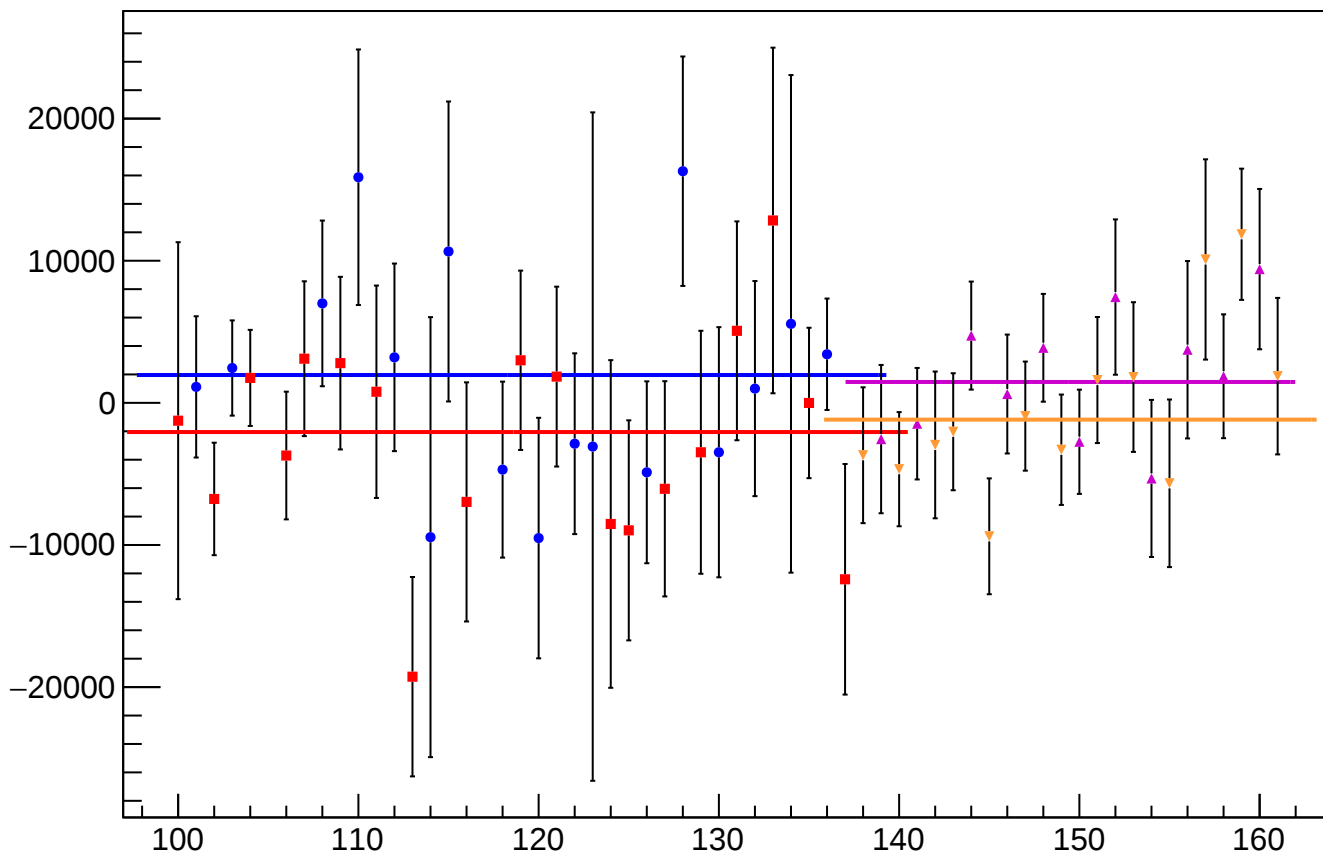
Right Out: 1898.854+/-0.515 χ^2 /NDF: 210875.1/18

Left In: 1884.388+/-0.445 χ^2 /NDF: 19187.7/10

1904.084+/-0.336 χ^2 /NDF: 644420.1/29

1890.563+/-0.337 χ^2 /NDF: 230514.1/29

asym_atr_dd_correction_mean vs Slug



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

Left Out: -1180.271 ± 1277.794 χ^2/NDF : 17.7/12

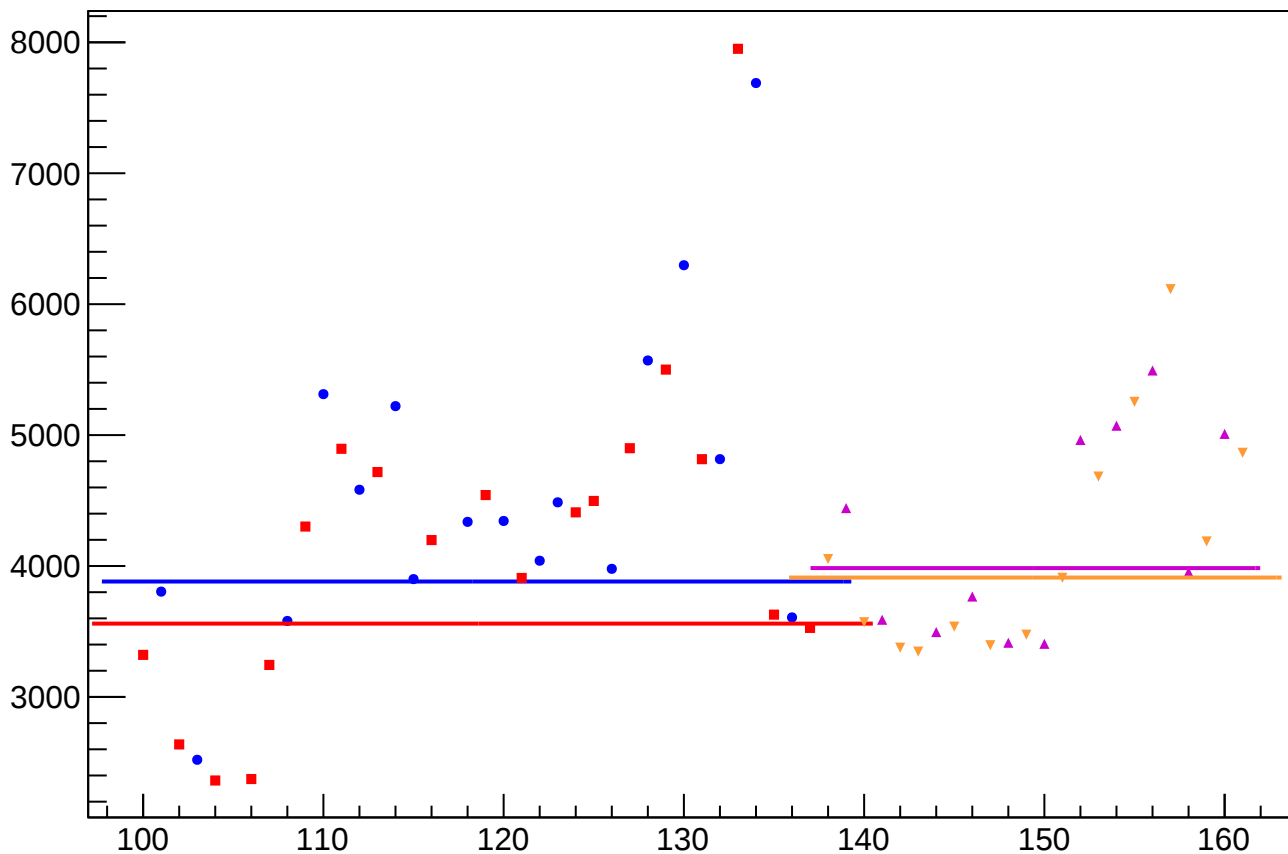
Right Out: -2052.842 ± 1413.641 χ^2/NDF : 17.4/18

Left In: 1469.678 ± 1350.787 χ^2/NDF : 8.5/10

83.319 ± 987.708 χ^2/NDF : 33.1/29

-211.532 ± 976.615 χ^2/NDF : 29.2/29

asym_atr_dd_correction_rms vs Slug



Right In: 3881.577+/-1.101 χ^2/NDF : 817466.6/16

Left Out: 3911.928+/-0.904 χ^2/NDF : 563016.7/12

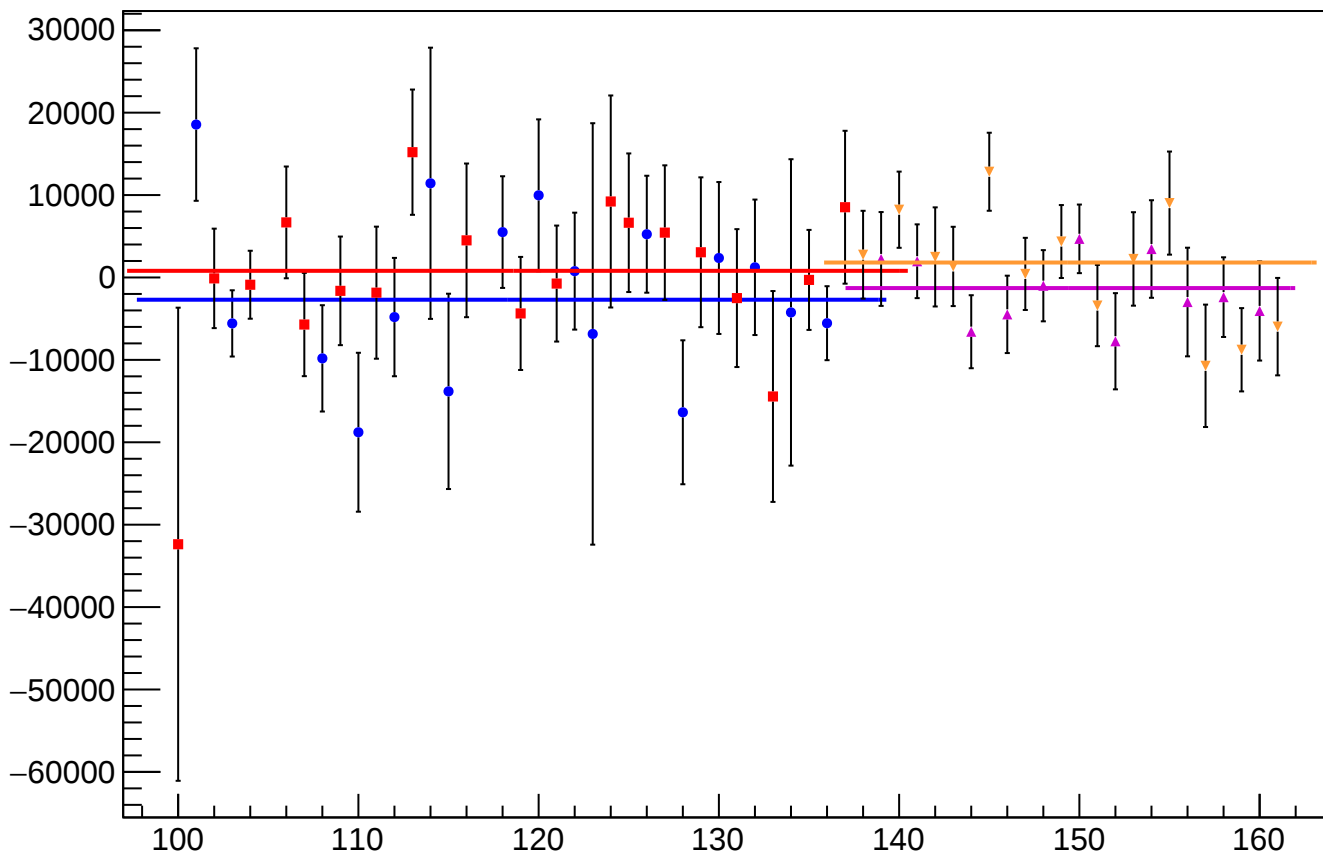
Right Out: 3560.054+/-1.000 χ^2/NDF : 1241523.0/18

Left In: 3984.174+/-0.955 χ^2/NDF : 493740.0/10

3899.712+/-0.698 χ^2/NDF : 1380937.4/29

3781.752+/-0.691 χ^2/NDF : 1829365.7/29

asym_atr_dd_mean vs Slug



Right In: -2700.702 $\pm$ 1809.055 χ^2 /NDF: 19.8/16

Left Out: 1813.161 $\pm$ 1436.917 χ^2 /NDF: 19.2/12

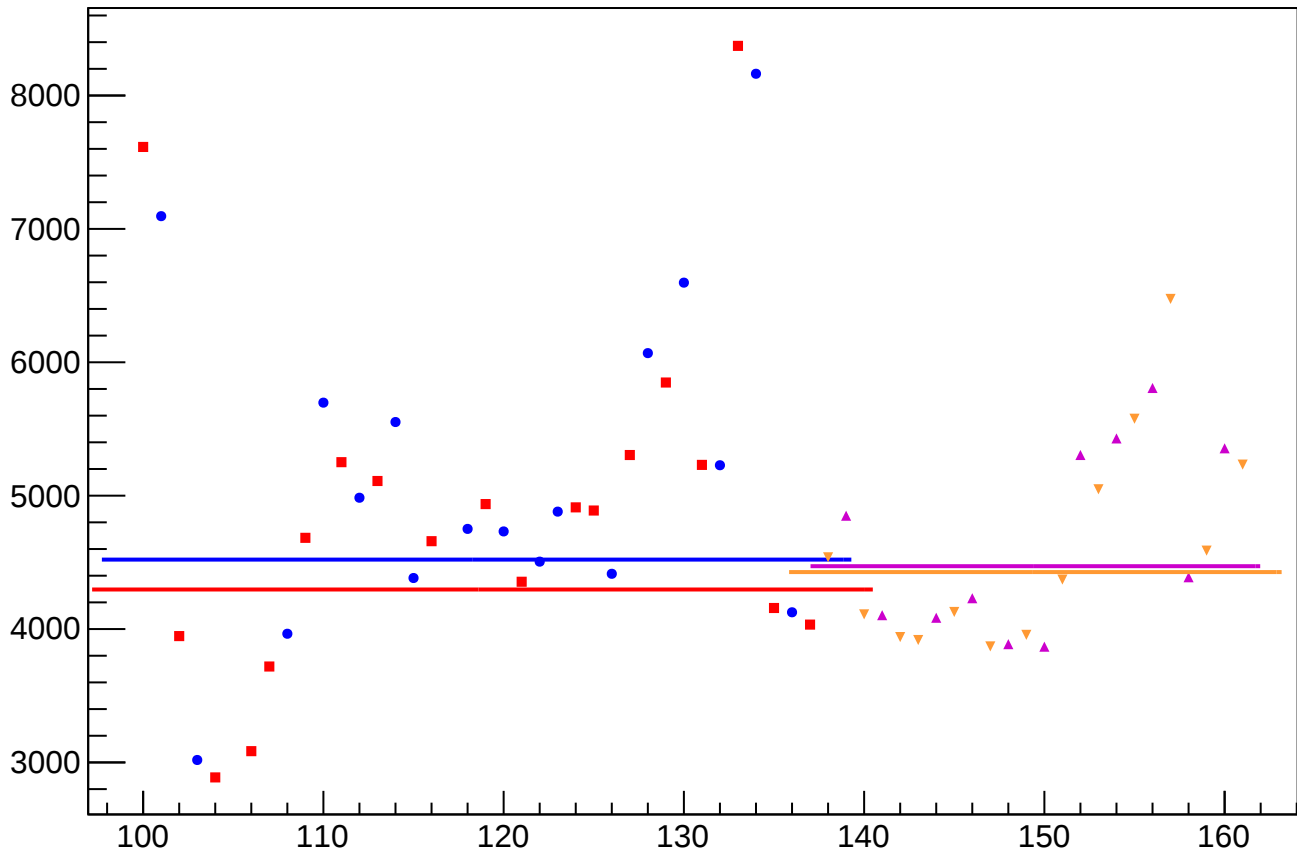
Right Out: 805.951 $\pm$ 1690.353 χ^2 /NDF: 11.6/18

Left In: -1287.276 $\pm$ 1508.210 χ^2 /NDF: 7.1/10

67.013 $\pm$ 1125.170 χ^2 /NDF: 42.8/29

-359.477 $\pm$ 1125.373 χ^2 /NDF: 19.5/29

asym_atr_dd_rms vs Slug



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

Left Out: 4427.173+/-1.016 χ^2/NDF :391806.9/12

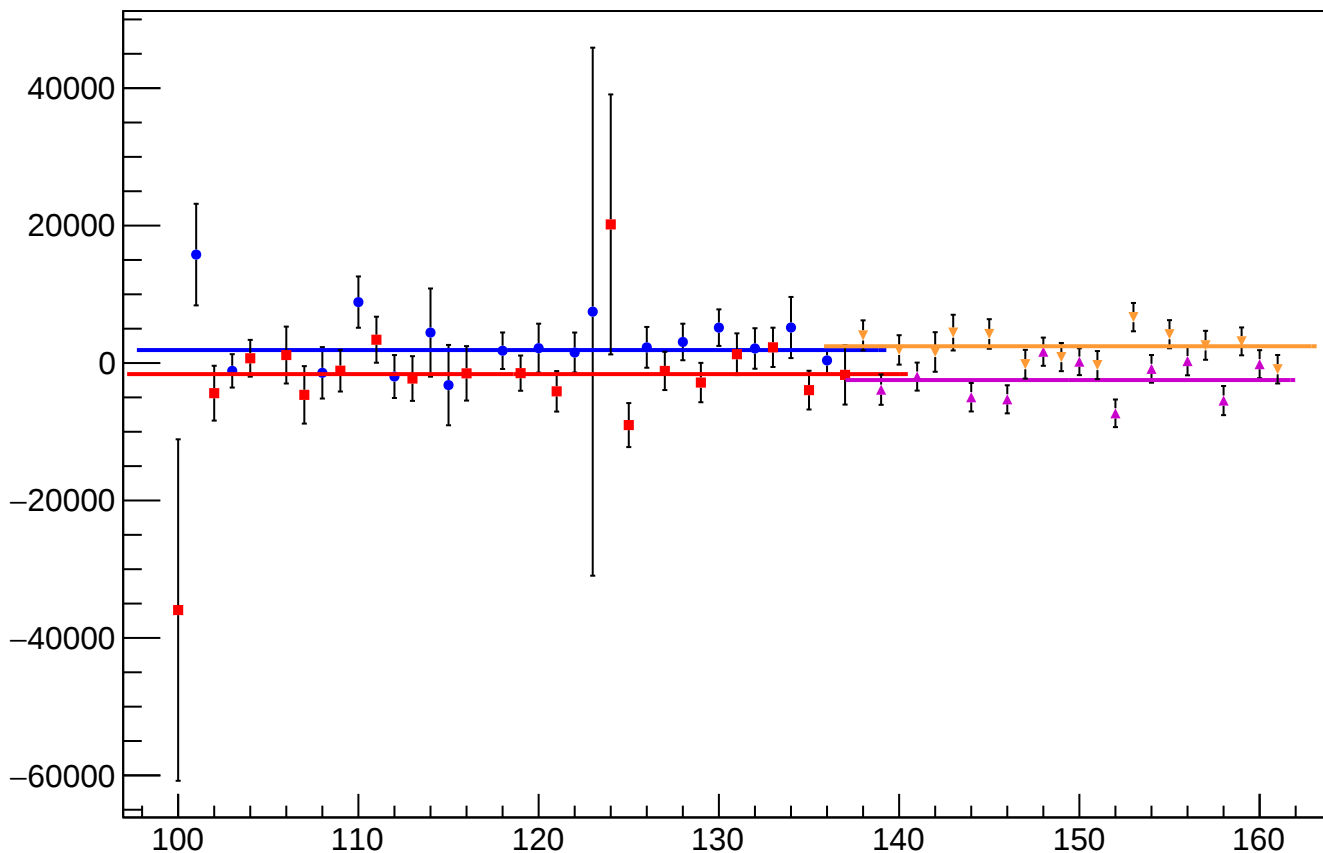
4463.347+/-0.796 χ^2/NDF : 1165970.9/29

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

4393.354+/-0.794 χ^2/NDF : 1124174.8/29

Left In: 4471.301+/-1.066 χ^2/NDF :340411.6/10

reg_asym_at1_avg_mean vs Slug



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

Left Out: 2443.326+/-598.269 χ^2/NDF :13.6/12

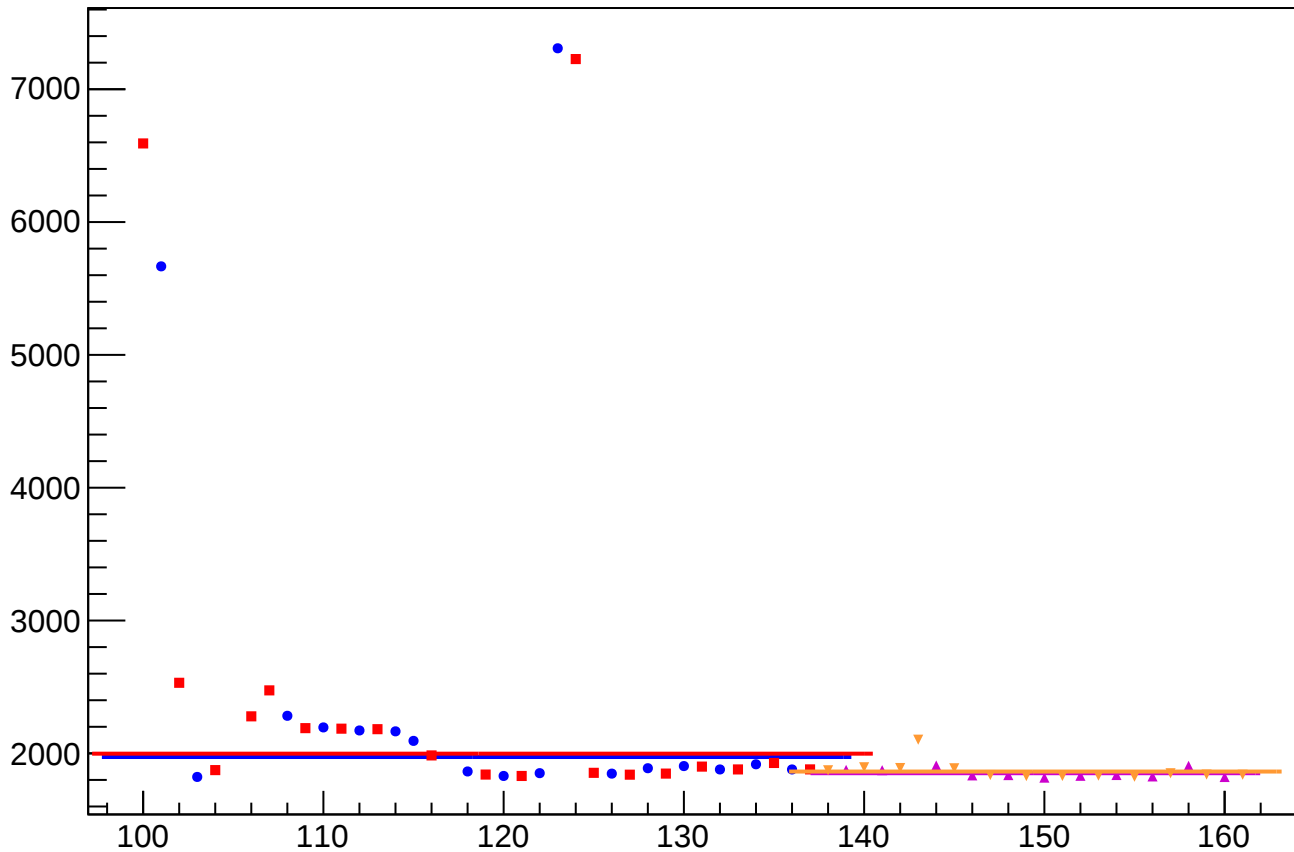
Right Out: -1610.310+/-765.843 χ^2/NDF : 17.5/18

Left In: -2476.031+/-619.249 χ^2/NDF :21.2/10

2238.869+/-475.570 χ^2/NDF : 28.6/29

-2133.781+/-481.529 χ^2/NDF : 39.5/29

reg_asym_at1_avg_rms vs Slug



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

Left Out: 1863.073+/-0.423 χ^2/NDF : 21137.5/12

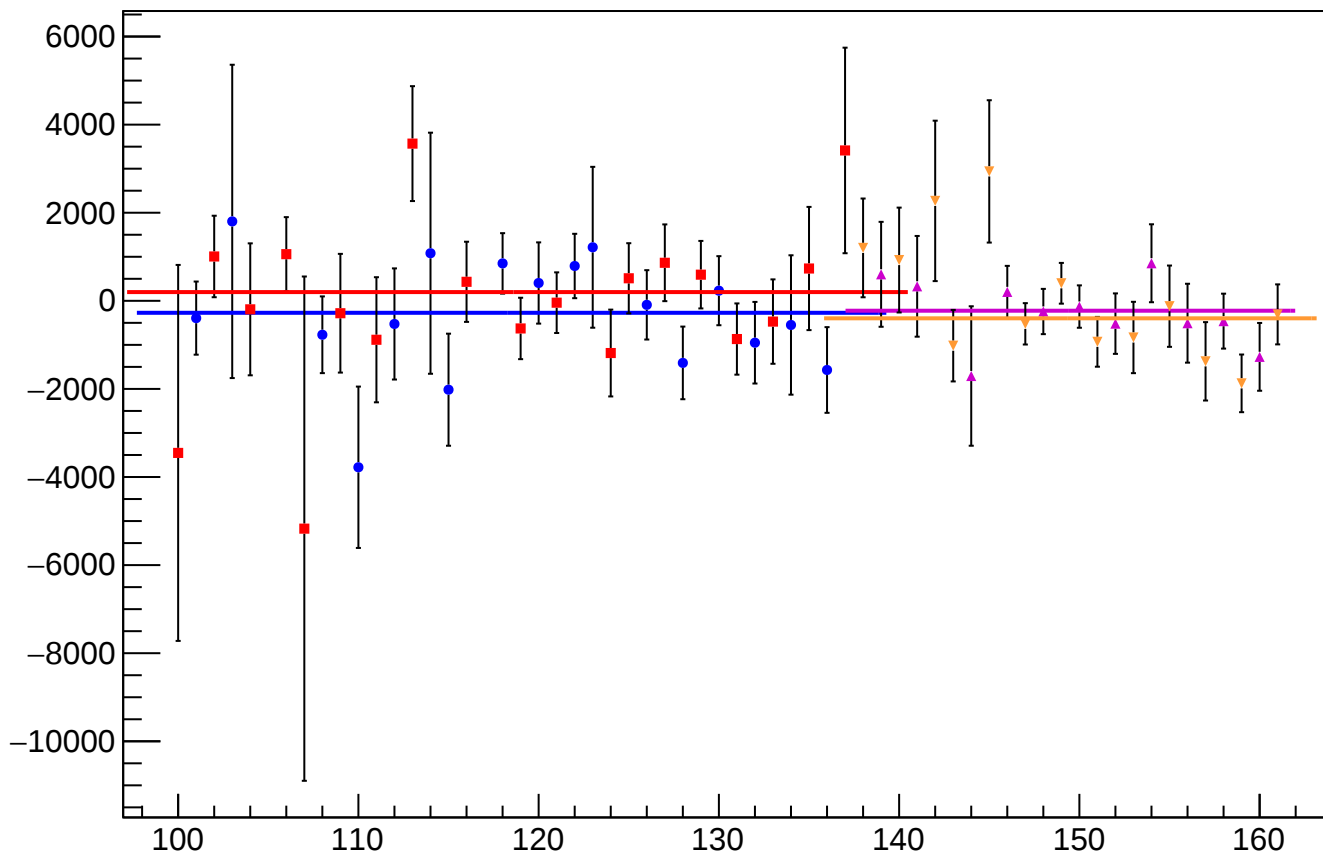
1903.349+/-0.336 χ^2/NDF : 646630.5/29

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

1908.679+/-0.340 χ^2/NDF : 405387.1/29

Left In: 1850.511+/-0.438 χ^2/NDF : 5176.4/10

asym_at1_avg_correction_mean vs Slug



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

Left Out: -397.240 ± 202.061 χ^2/NDF : 20.9/12

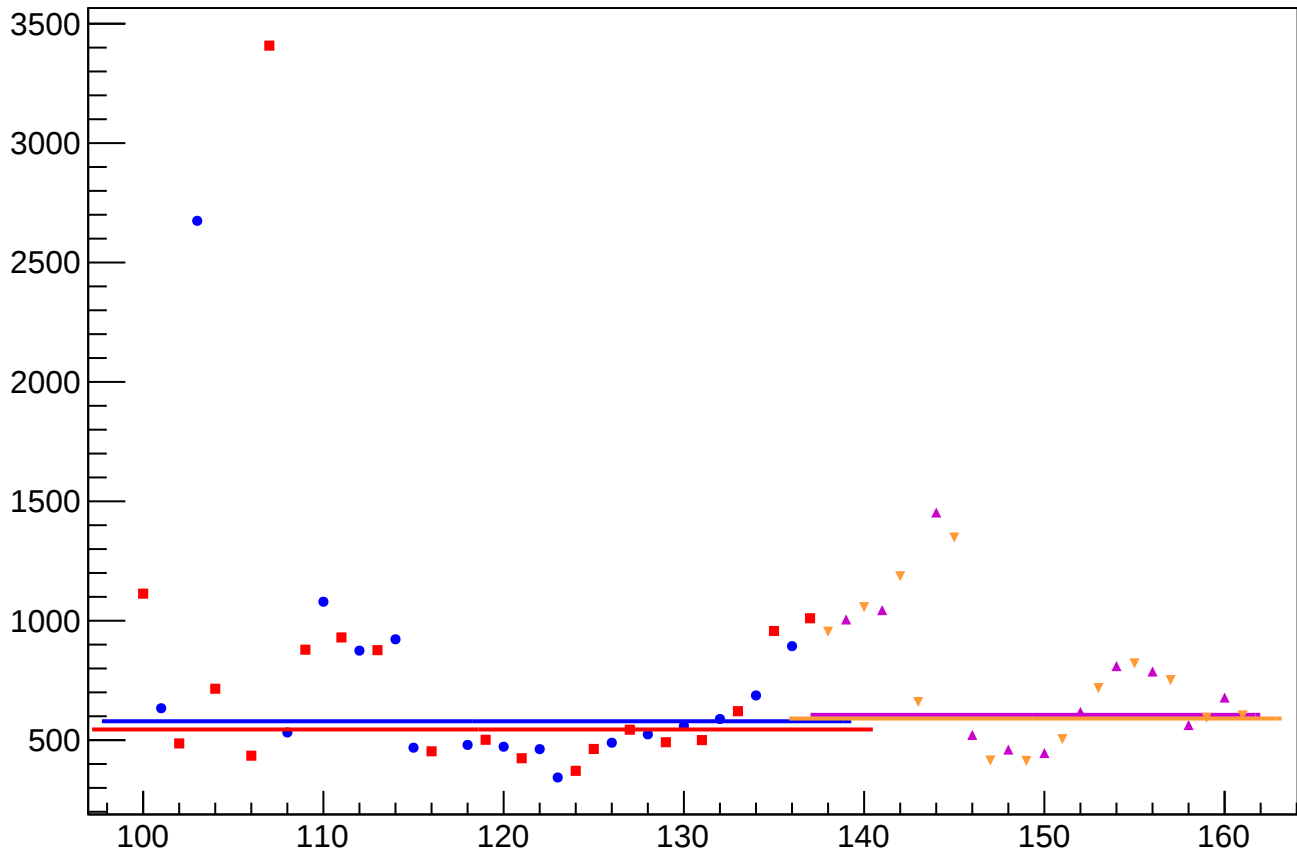
Right Out: 198.424 ± 229.035 χ^2/NDF : 19.7/18

Left In: -224.678 ± 214.470 χ^2/NDF : 5.9/10

-345.250 ± 154.630 χ^2/NDF : 38.2/29

-27.008 ± 156.549 χ^2/NDF : 27.5/29

asym_at1_avg_correction_rms vs Slug



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

Left Out: 590.394+/-0.143 χ^2/NDF : 2048579.1/12

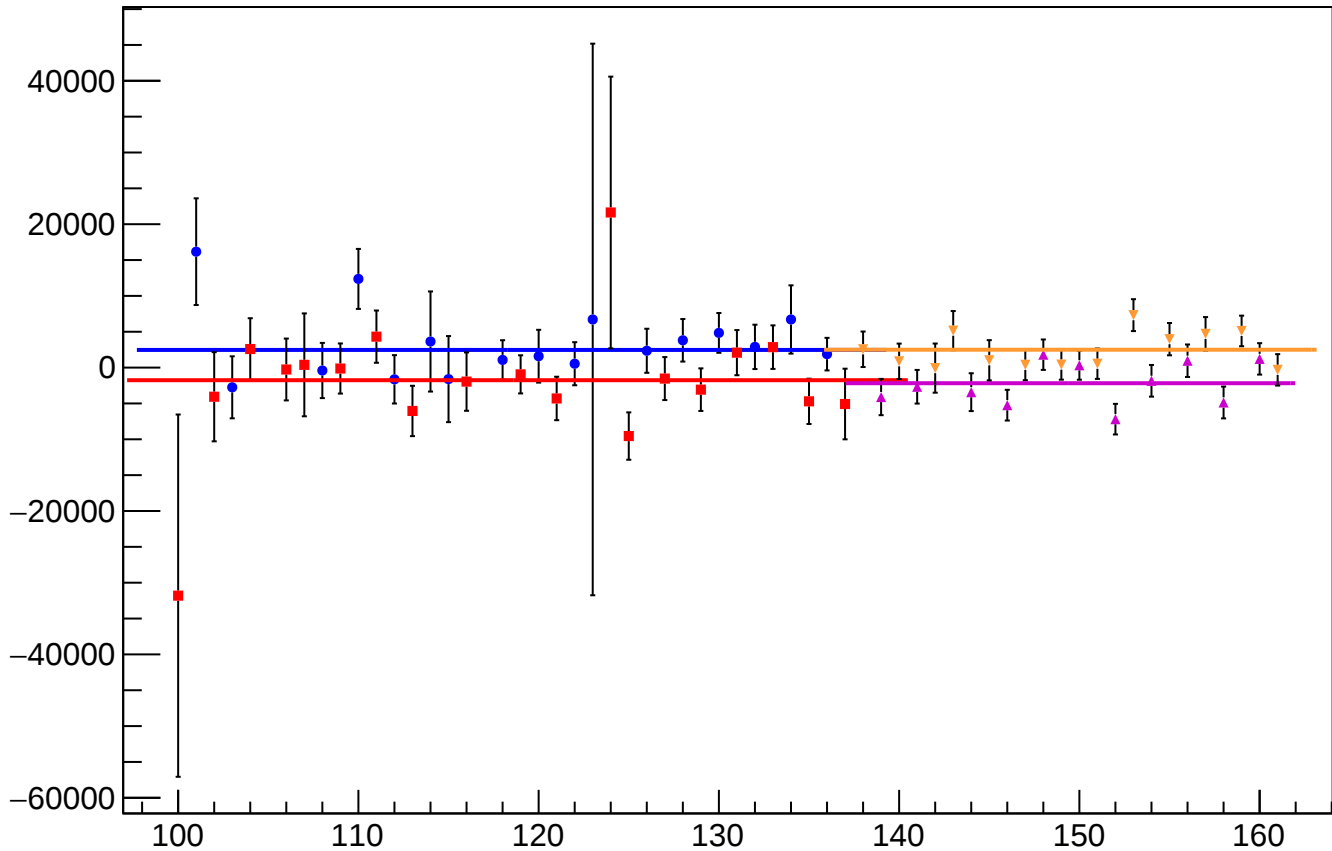
Right Out: 544.674+/-0.162 χ^2/NDF : 1457799.9/18

Left In: 605.918+/-0.152 χ^2/NDF : 1729671.2/10

585.677+/-0.109 χ^2/NDF : 3473358.1/29

577.305+/-0.111 χ^2/NDF : 3263665.3/29

asym_at1_avg_mean vs Slug



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

Left Out: 2491.216+/-652.445 χ^2/NDF : 14.2/12

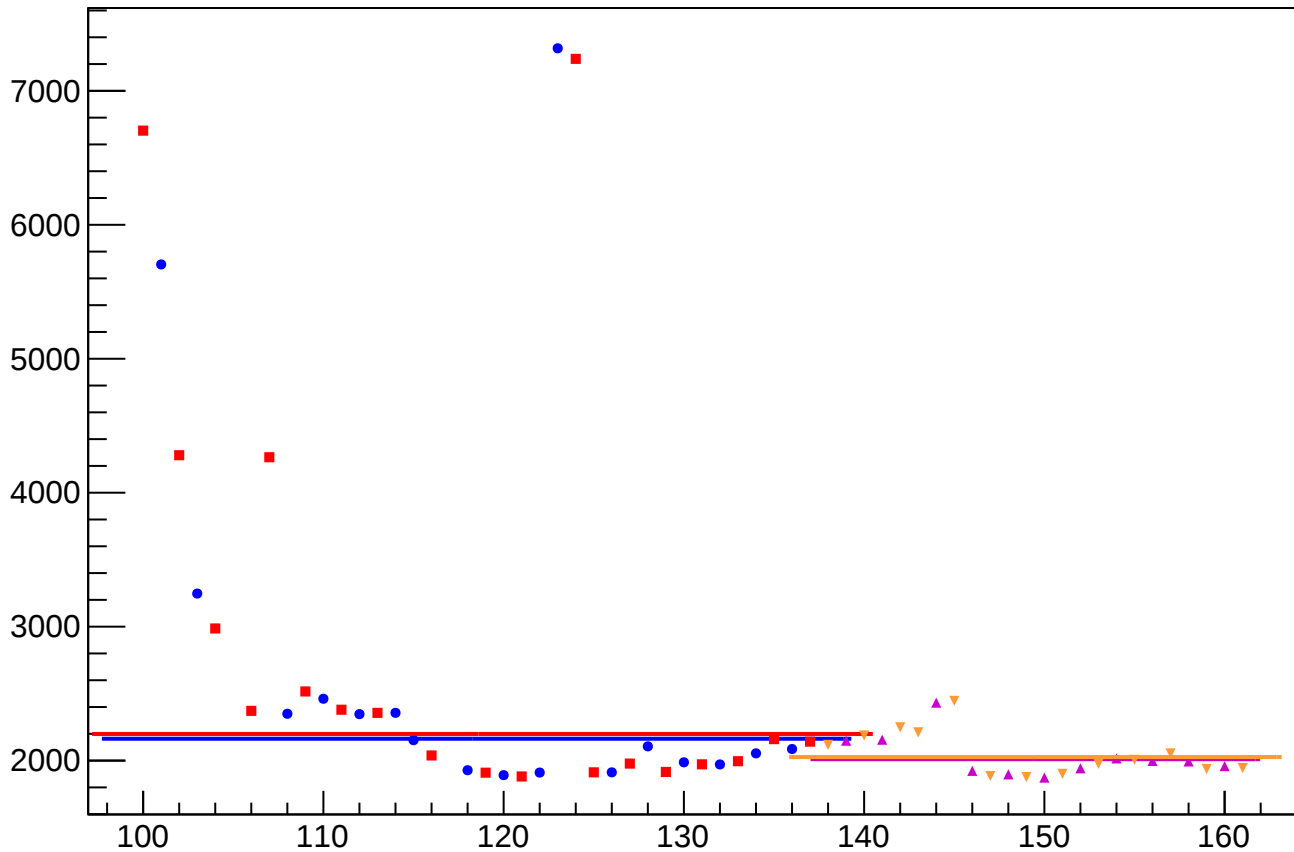
Right Out: -1756.788+/-853.292 χ^2/NDF : 20.5/18

Left In: -2177.339+/-674.359 χ^2/NDF : 19.3/10

2481.349+/-520.491 χ^2/NDF : 29.7/29

-2015.656+/-529.079 χ^2/NDF : 39.9/29

asym_at1_avg_rms vs Slug



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

Left Out: 2026.506+/-0.461 χ^2/NDF :107067.3/12

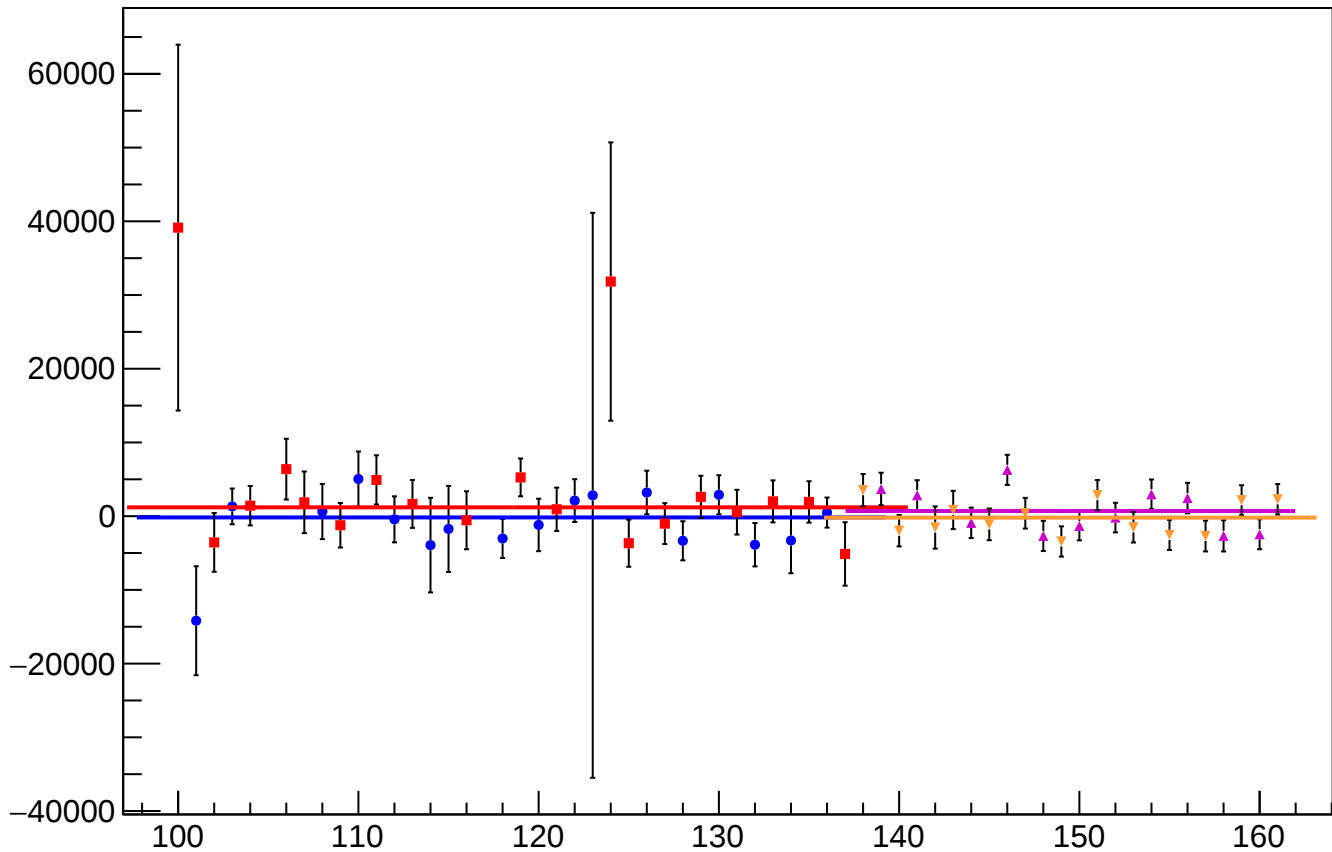
2076.243+/-0.368 χ^2/NDF : 848618.7/29

Right Out: 2199.003+/-0.603 χ^2/NDF : 803297.2/18

2083.023+/-0.374 χ^2/NDF : 949766.9/29

Left In: 2010.584+/-0.477 χ^2/NDF :86442.8/10

reg_asym_at1_dd_mean vs Slug



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

Left Out: -197.199 ± 596.959 χ^2/NDF : 14.9/12

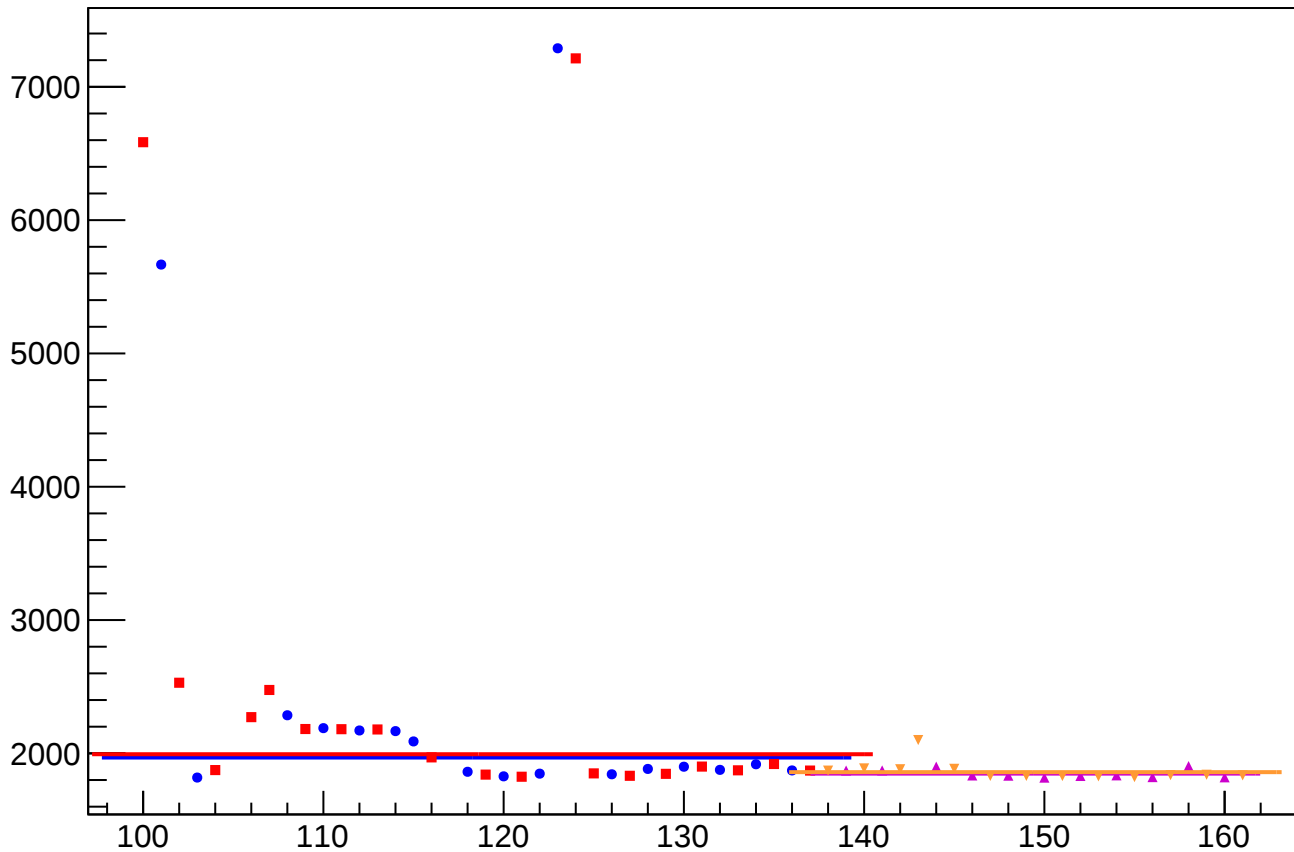
Right Out: 1197.543 ± 764.254 χ^2/NDF : 18.2/18

Left In: 700.620 ± 618.436 χ^2/NDF : 21.9/10

-187.320 ± 474.590 χ^2/NDF : 29.4/29

897.253 ± 480.752 χ^2/NDF : 40.4/29

reg_asym_at1_dd_rms vs Slug



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

Left Out: 1859.025+/-0.422 χ^2/NDF : 21001.8/12

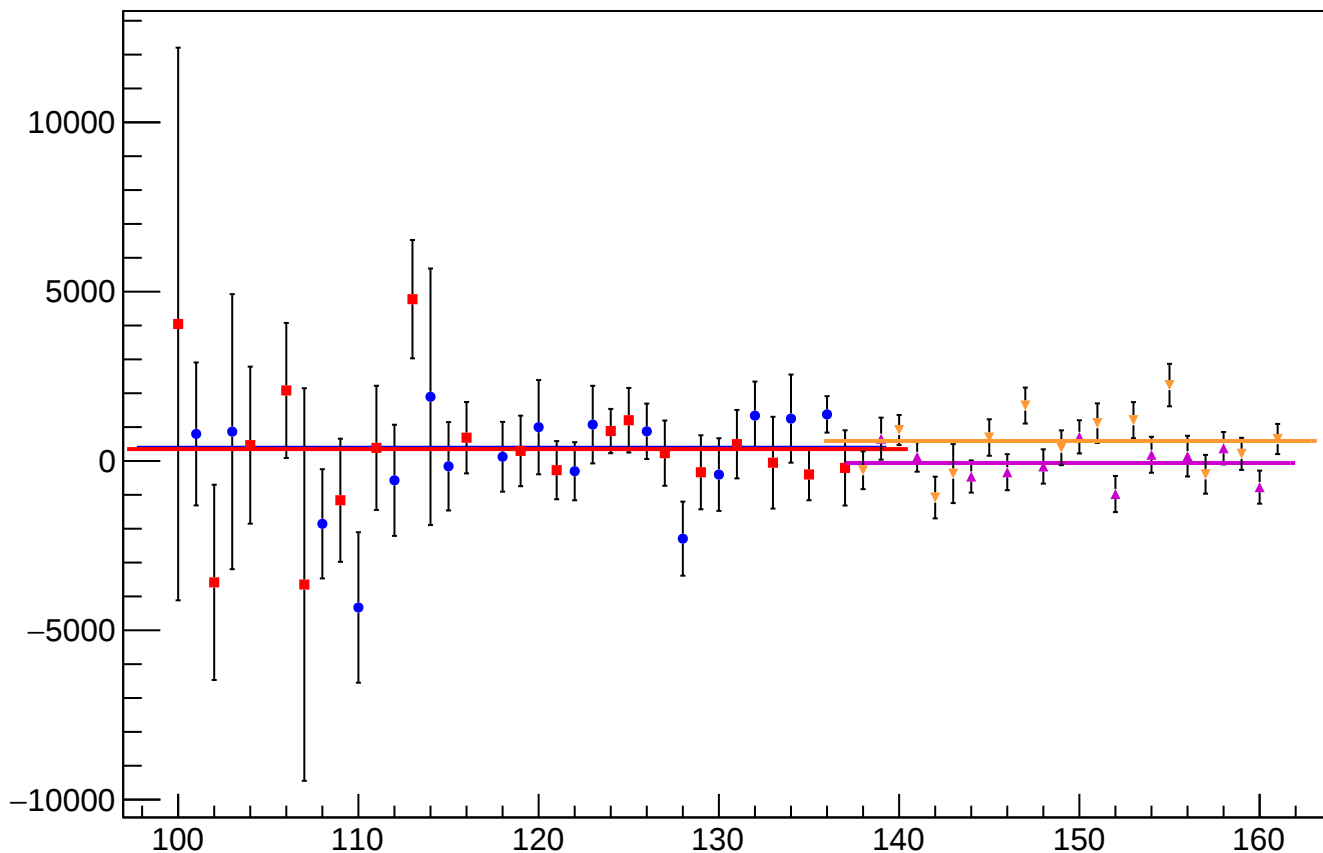
Right Out: 1993.422+/-0.540 χ^2/NDF : 356172.4/18

Left In: 1848.099+/-0.437 χ^2/NDF : 4817.4/10

1899.356+/-0.336 χ^2/NDF : 648783.9/29

1905.603+/-0.340 χ^2/NDF : 404689.2/29

asym_at1_dd_correction_mean vs Slug



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

Left Out: 590.497+/-149.876 χ^2/NDF : 28.2/12

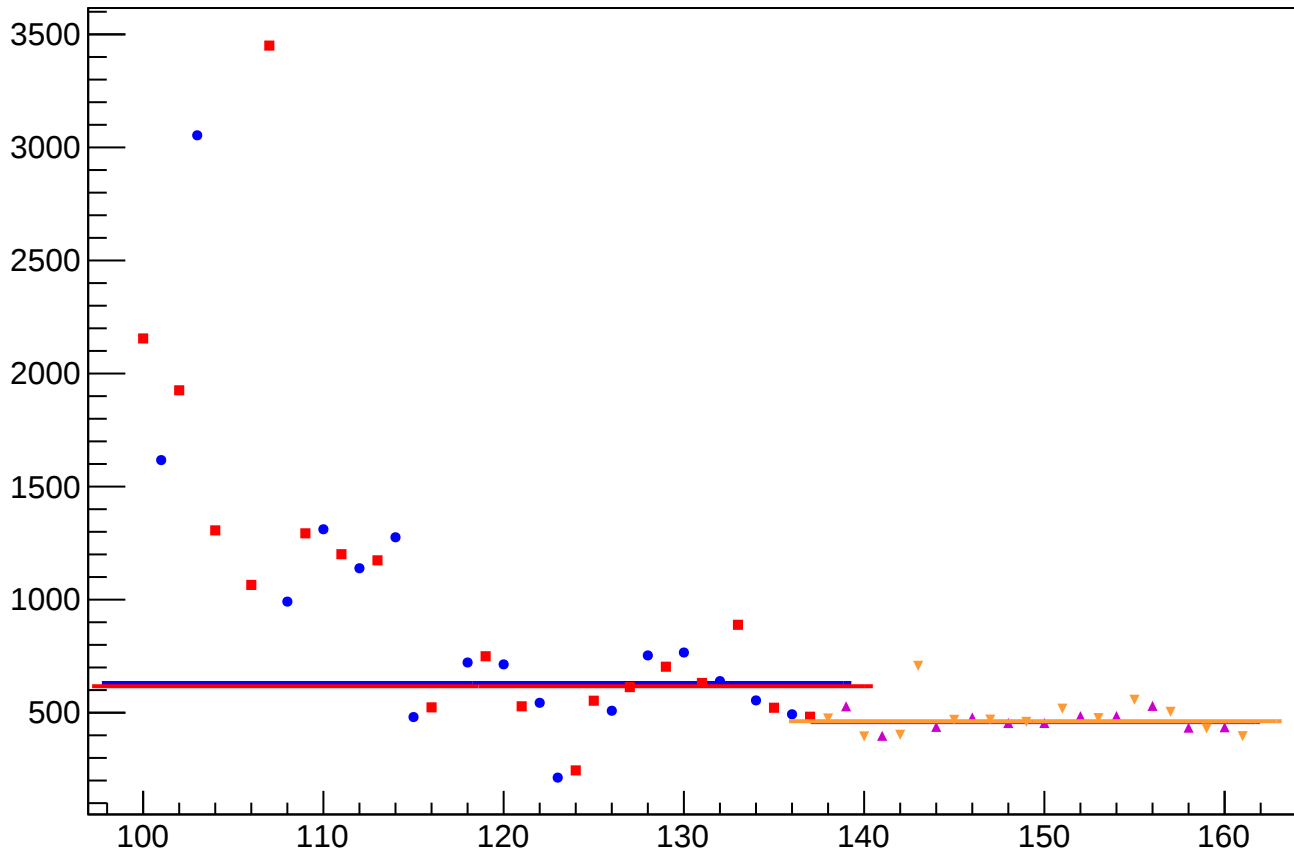
Right Out: 350.642+/-266.097 χ^2/NDF : 14.2/18

Left In: -59.197+/-153.807 χ^2/NDF : 11.2/10

543.521+/-131.055 χ^2/NDF : 48.7/29

43.439+/-133.163 χ^2/NDF : 27.3/29

asym_at1_dd_correction_rms vs Slug



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

Left Out: 462.386+/-0.106 χ^2/NDF : 353834.6/12

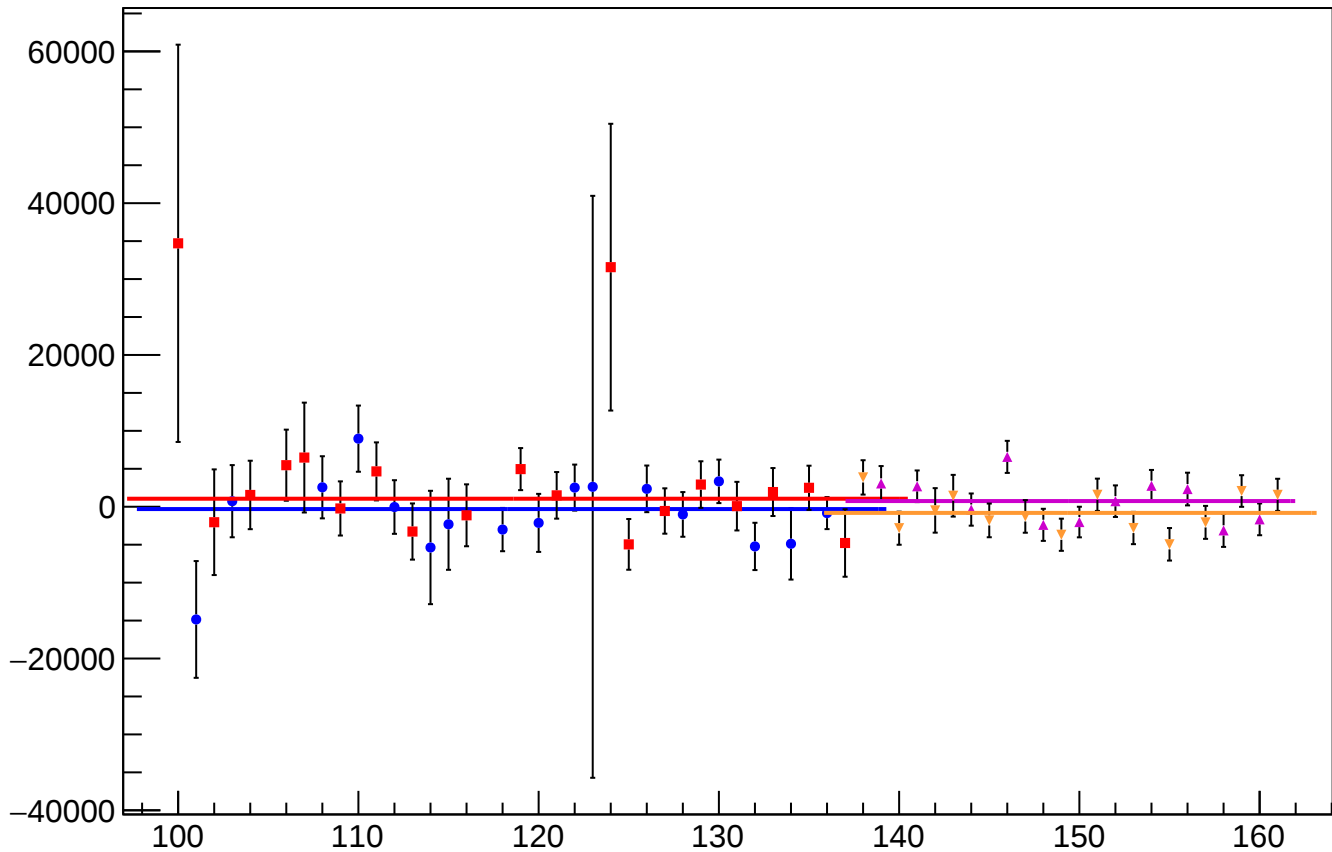
502.175+/-0.093 χ^2/NDF : 3213401.4/29

Right Out: 617.035+/-0.188 χ^2/NDF : 2802149.9/18

498.080+/-0.094 χ^2/NDF : 3454618.9/29

Left In: 458.337+/-0.109 χ^2/NDF : 119246.4/10

asym_at1_dd_mean vs Slug



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

Left Out: -811.108 ± 617.652 χ^2/NDF : 17.3/12

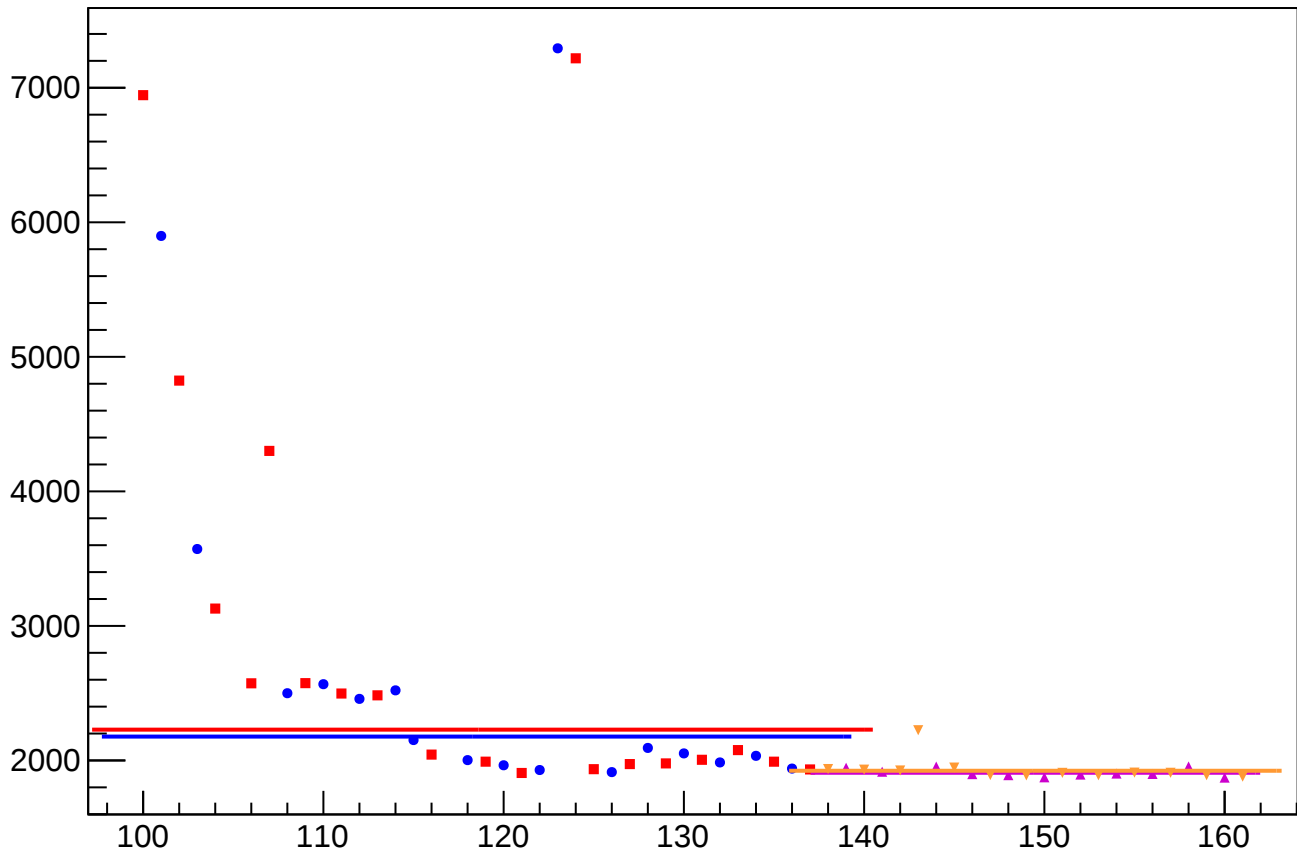
Right Out: 1056.856 ± 867.445 χ^2/NDF : 16.6/18

Left In: 748.447 ± 638.569 χ^2/NDF : 19.8/10

-642.238 ± 504.008 χ^2/NDF : 34.7/29

856.839 ± 514.254 χ^2/NDF : 36.5/29

asym_at1_dd_rms vs Slug



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

Left Out: 1923.408+/-0.437 χ^2/NDF : 27458.5/12

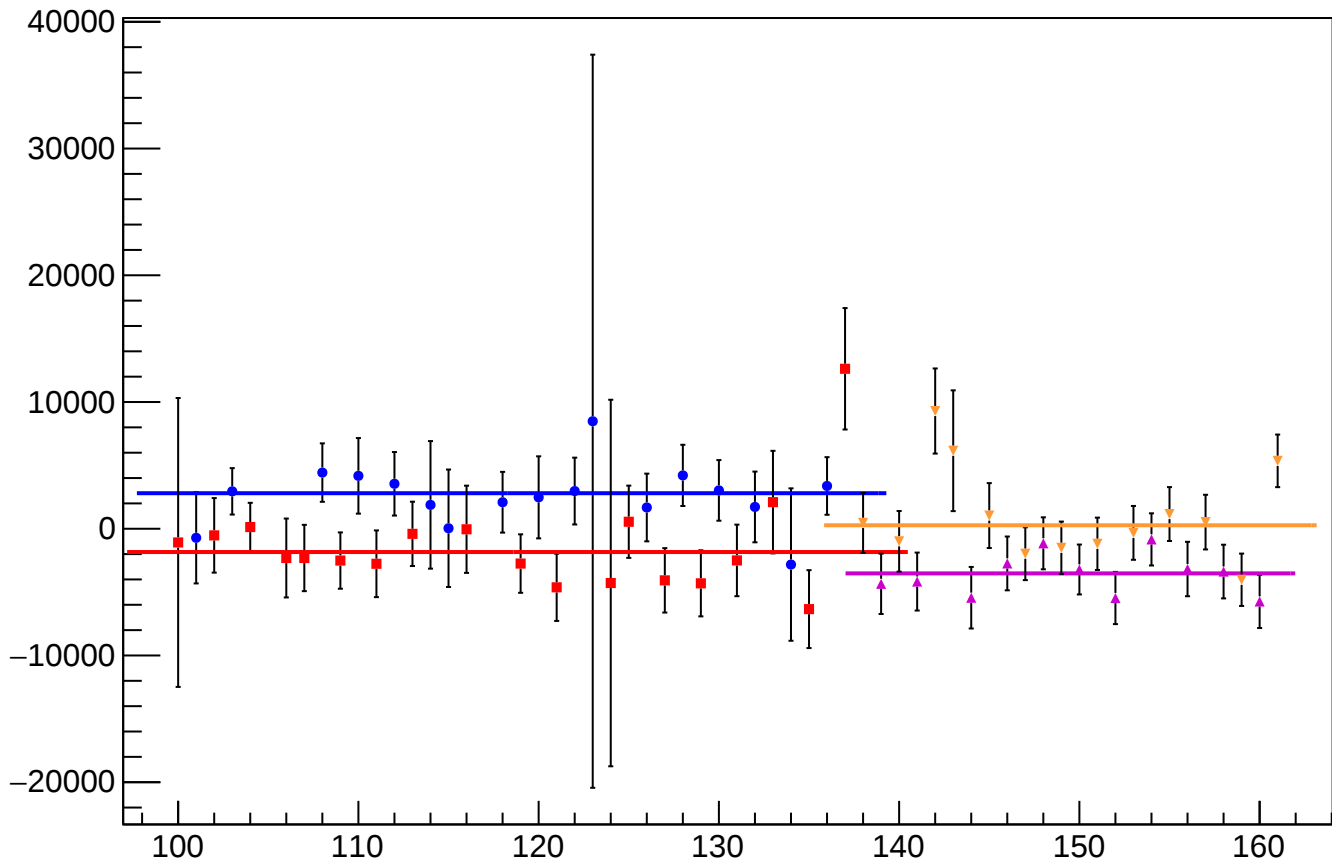
2008.291+/-0.356 χ^2/NDF : 943342.0/29

Right Out: 2229.014+/-0.613 χ^2/NDF : 895809.1/18

2021.165+/-0.364 χ^2/NDF : 1076749.0/29

Left In: 1908.528+/-0.452 χ^2/NDF : 3886.2/10

reg_asym_at2_avg_mean vs Slug



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

Left Out: 274.242+/-637.345 χ^2/NDF : 22.1/12

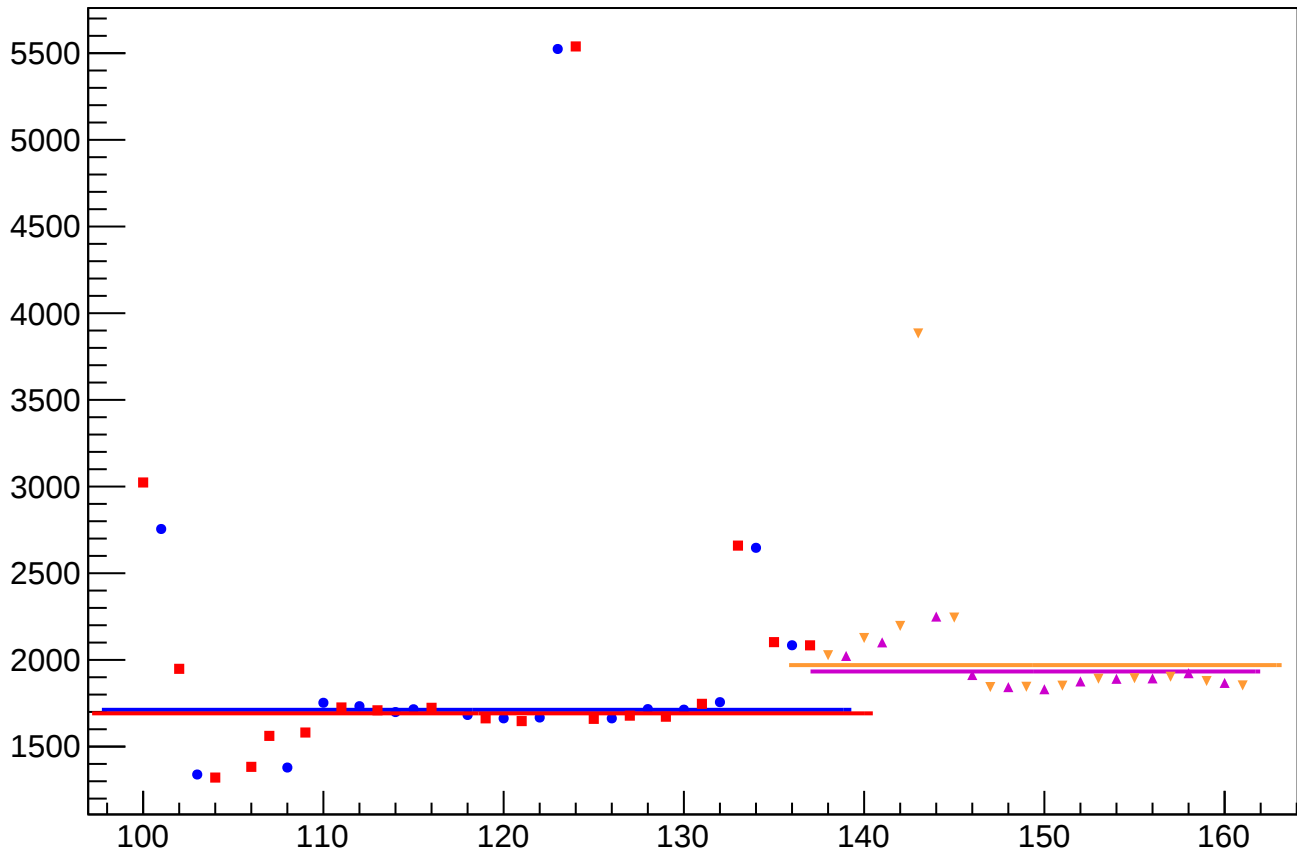
Right Out: -1837.168+/-655.307 χ^2/NDF : 18.0/18

Left In: -3522.058+/-646.198 χ^2/NDF : 6.1/10

1459.948+/-464.555 χ^2/NDF : 33.4/29

-2691.404+/-460.118 χ^2/NDF : 27.5/29

reg_asym_at2_avg_rms vs Slug



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

Left Out: 1970.034+/-0.451 χ^2/NDF : 402888.4/12

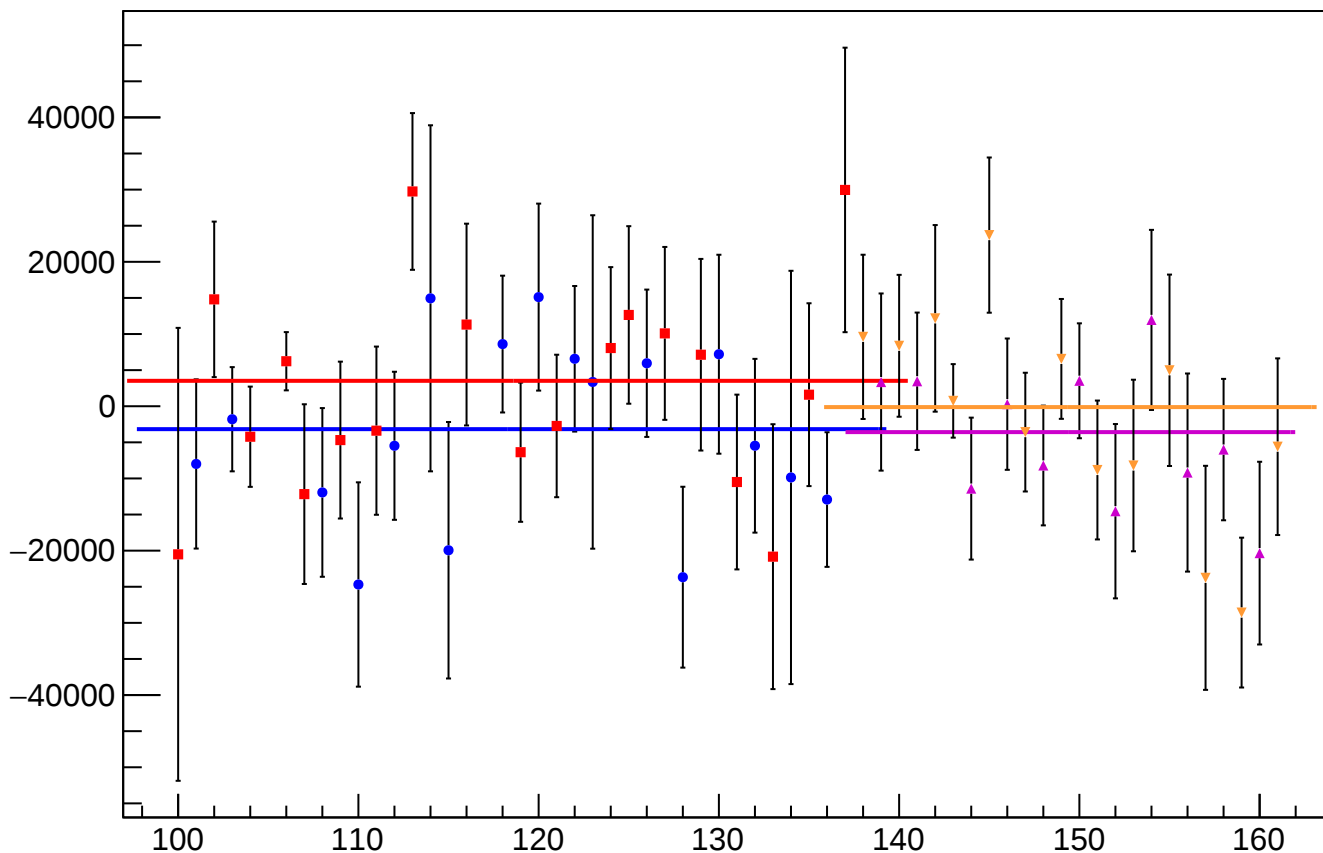
Right Out: 1691.747+/-0.463 χ^2/NDF : 454922.1/18

Left In: 1933.273+/-0.457 χ^2/NDF : 62216.4/10

1849.161+/-0.328 χ^2/NDF : 988838.8/29

1814.199+/-0.325 χ^2/NDF : 654885.2/29

asym_at2_avg_correction_mean vs Slug



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

Left Out: -119.176 $\pm$ 2632.282 χ^2 /NDF:19.6/12

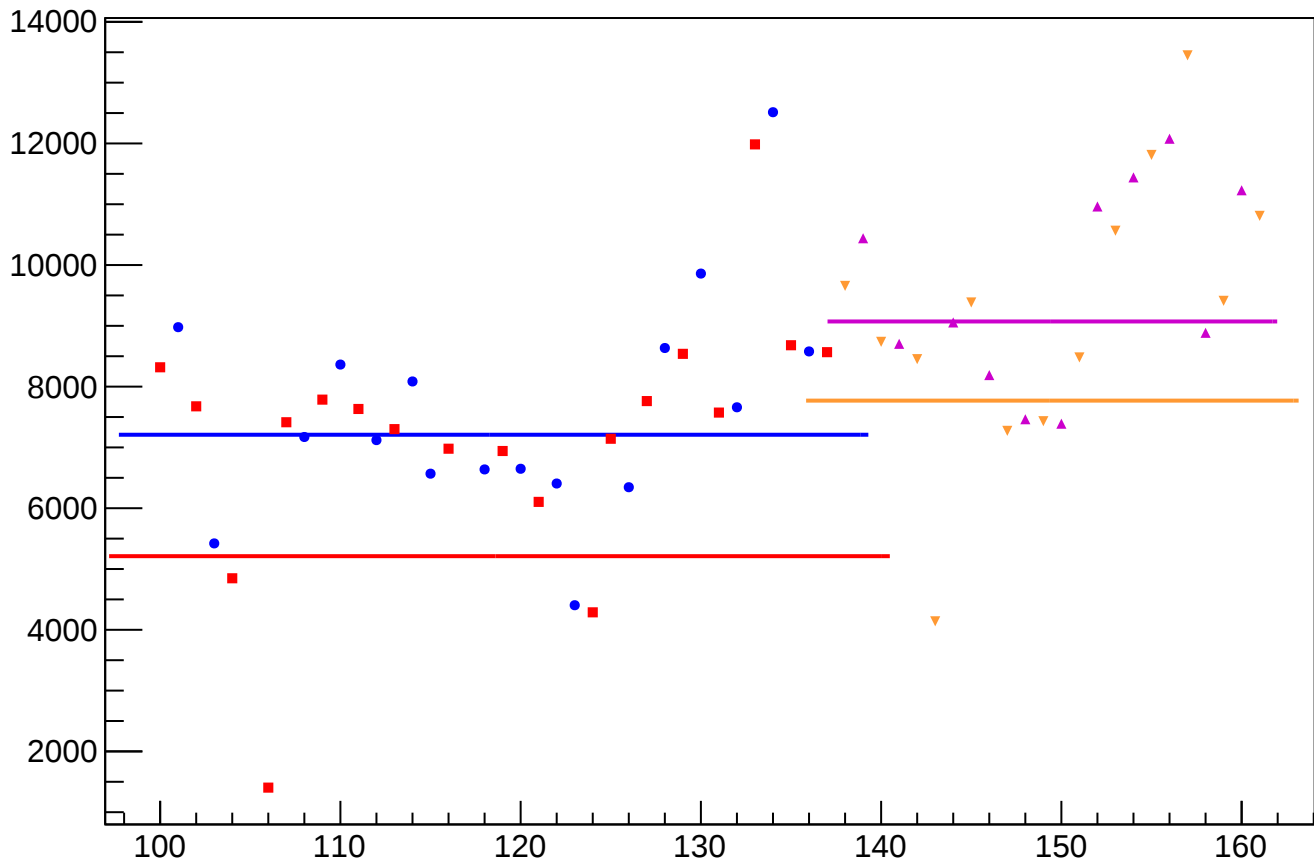
Right Out: 3520.105 $\pm$ 2266.532 χ^2 /NDF: 19.5/18

Left In: -3584.245 $\pm$ 3075.000 χ^2 /NDF:7.1/10

-1524.060 $\pm$ 1934.317 χ^2 /NDF: 34.6/29

1019.128 $\pm$ 1824.474 χ^2 /NDF: 30.1/29

asym_at2_avg_correction_rms vs Slug



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

Left Out: 7769.929+/-1.861 χ^2/NDF :1901516.1/12

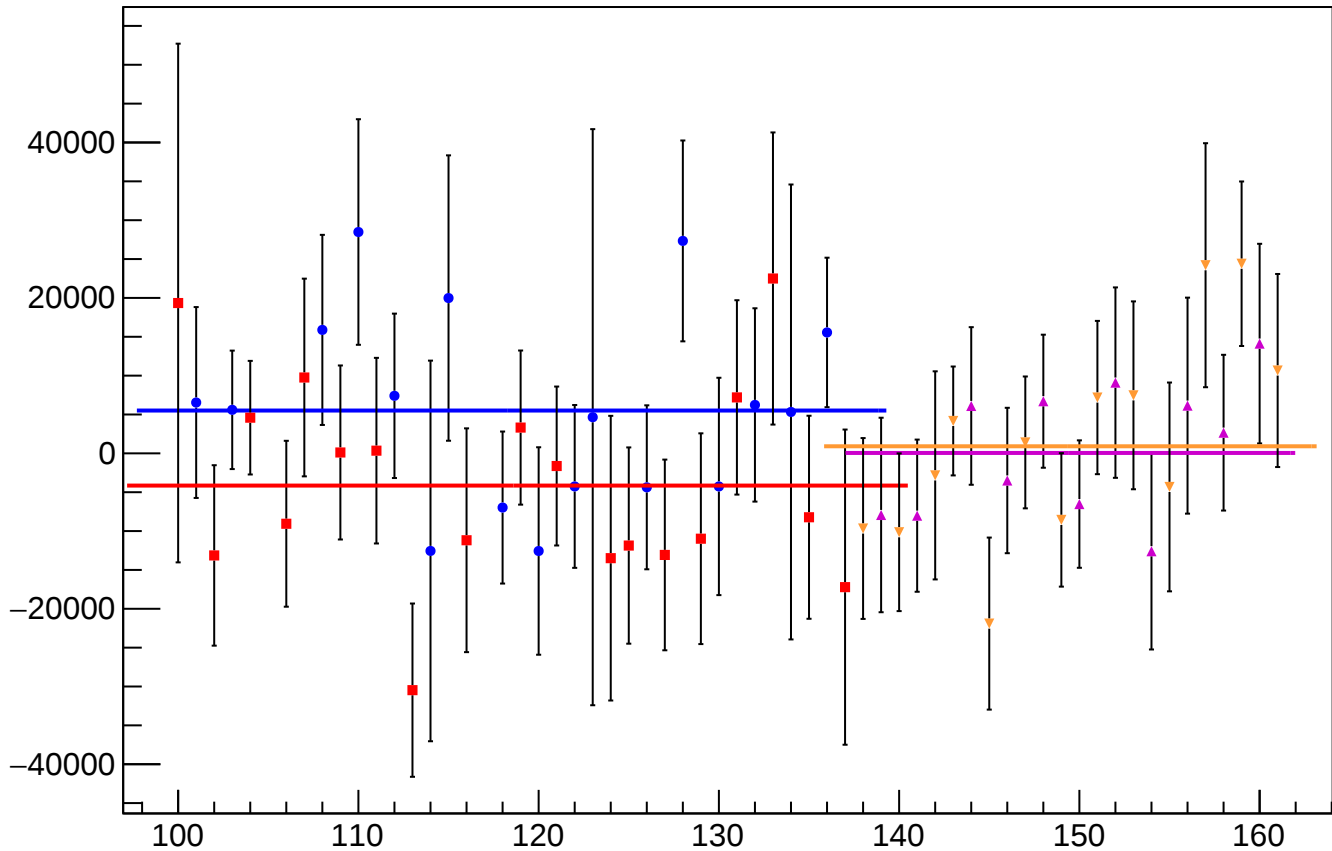
7511.700+/-1.368 χ^2/NDF : 2412660.1/29

Right Out: 5211.187+/-1.603 χ^2/NDF : 3196870.2/18

6570.250+/-1.290 χ^2/NDF : 5727004.6/29

Left In: 9071.782+/-2.174 χ^2/NDF :487455.3/10

asym_at2_avg_mean vs Slug



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

Left Out: 909.492 $\pm$ 2877.191 χ^2 /NDF: 16.4/12

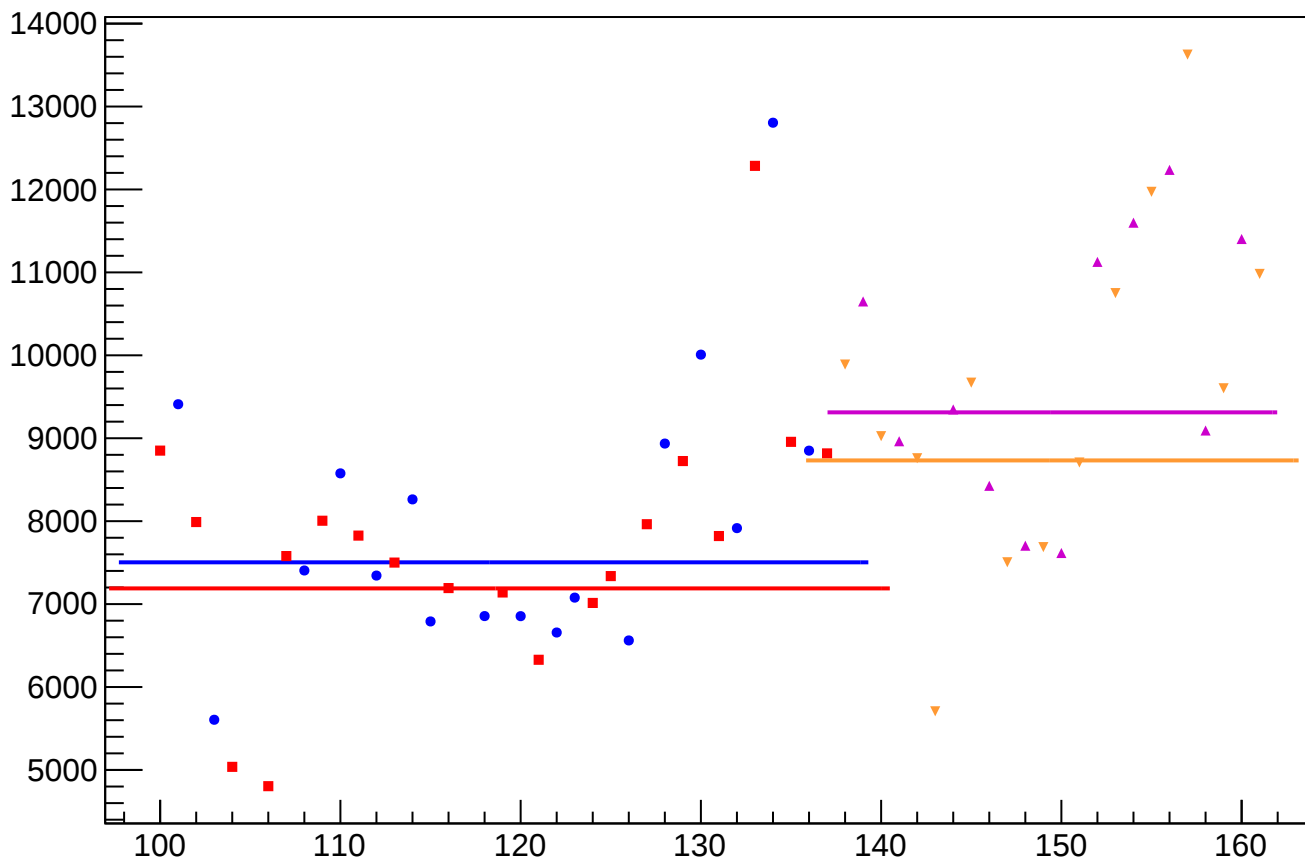
Right Out: -4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

Left In: 52.382 $\pm$ 3152.555 χ^2 /NDF: 5.8/10

3135.651 $\pm$ 2066.861 χ^2 /NDF: 31.7/29

-2301.883 $\pm$ 2089.395 χ^2 /NDF: 22.3/29

asym_at2_avg_rms vs Slug



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

Left Out: 8732.524 ± 2.034 χ^2/NDF : 925749.2/12

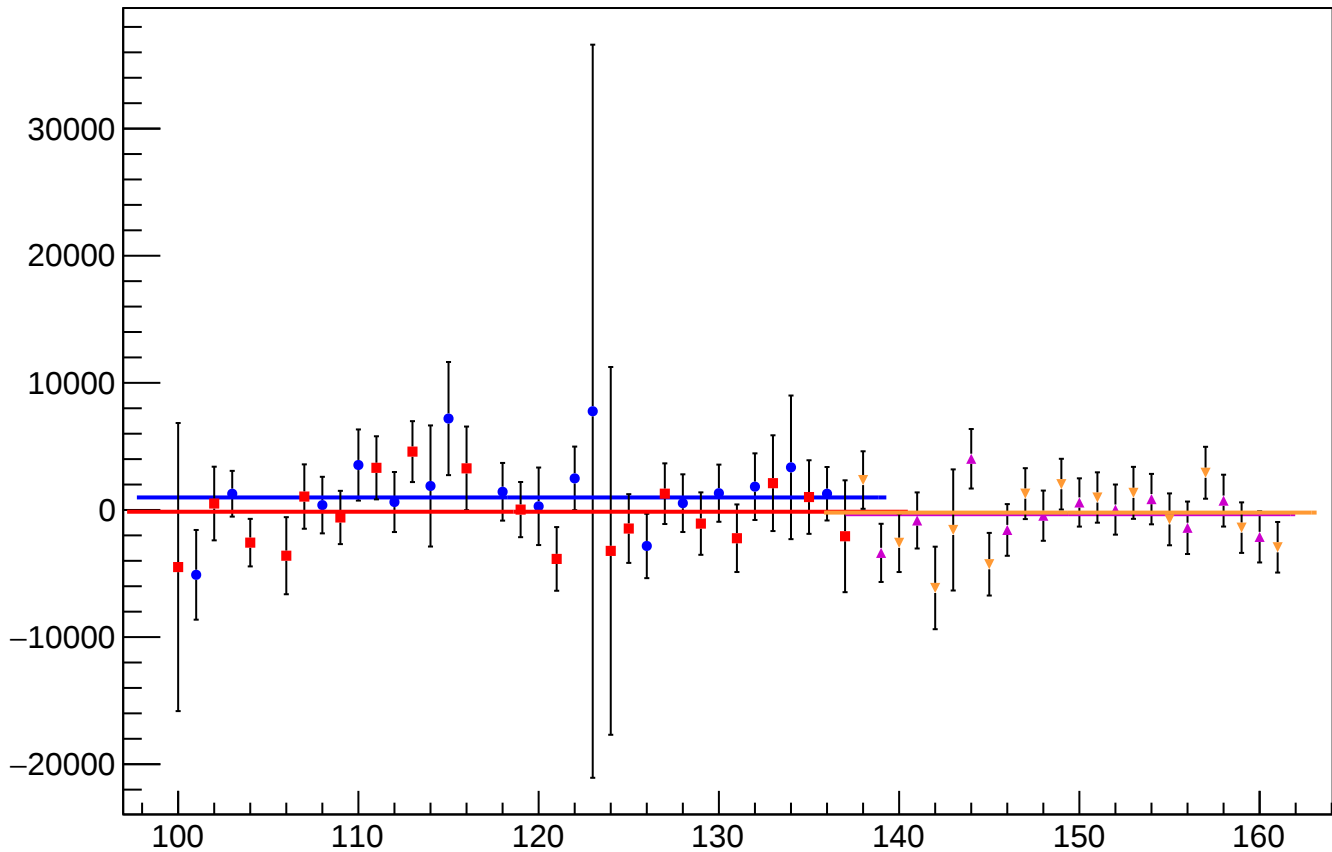
Right Out: 7189.231 ± 1.973 χ^2/NDF : 557703.4/18

Left In: 9312.153 ± 2.229 χ^2/NDF : 451342.9/10

8137.794 ± 1.461 χ^2/NDF : 1529631.9/29

8121.598 ± 1.477 χ^2/NDF : 1517660.0/29

reg_asym_at2_dd_mean vs Slug



Right In: 985.452+/-644.630 χ^2/NDF : 9.1/16

Left Out: -205.948+/-612.195 χ^2/NDF :15.9/12

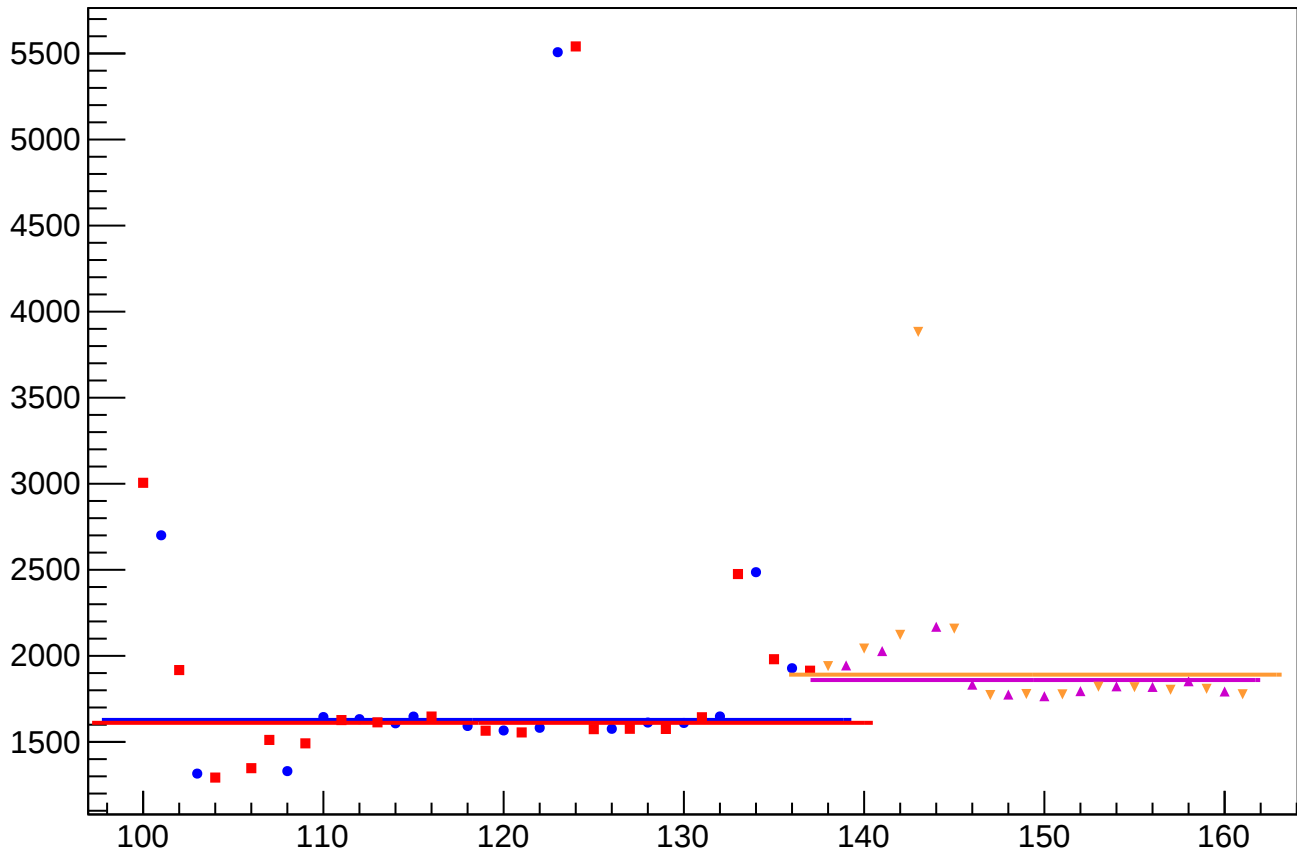
Right Out: -138.627+/-623.555 χ^2/NDF : 14.7/18

Left In: -333.244+/-621.582 χ^2/NDF :7.6/10

359.026+/-443.911 χ^2/NDF : 26.7/29

-236.244+/-440.221 χ^2/NDF : 22.3/29

reg_asym_at2_dd_rms vs Slug



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

Left Out: 1890.846+/-0.433 χ^2/NDF : 431448.7/12

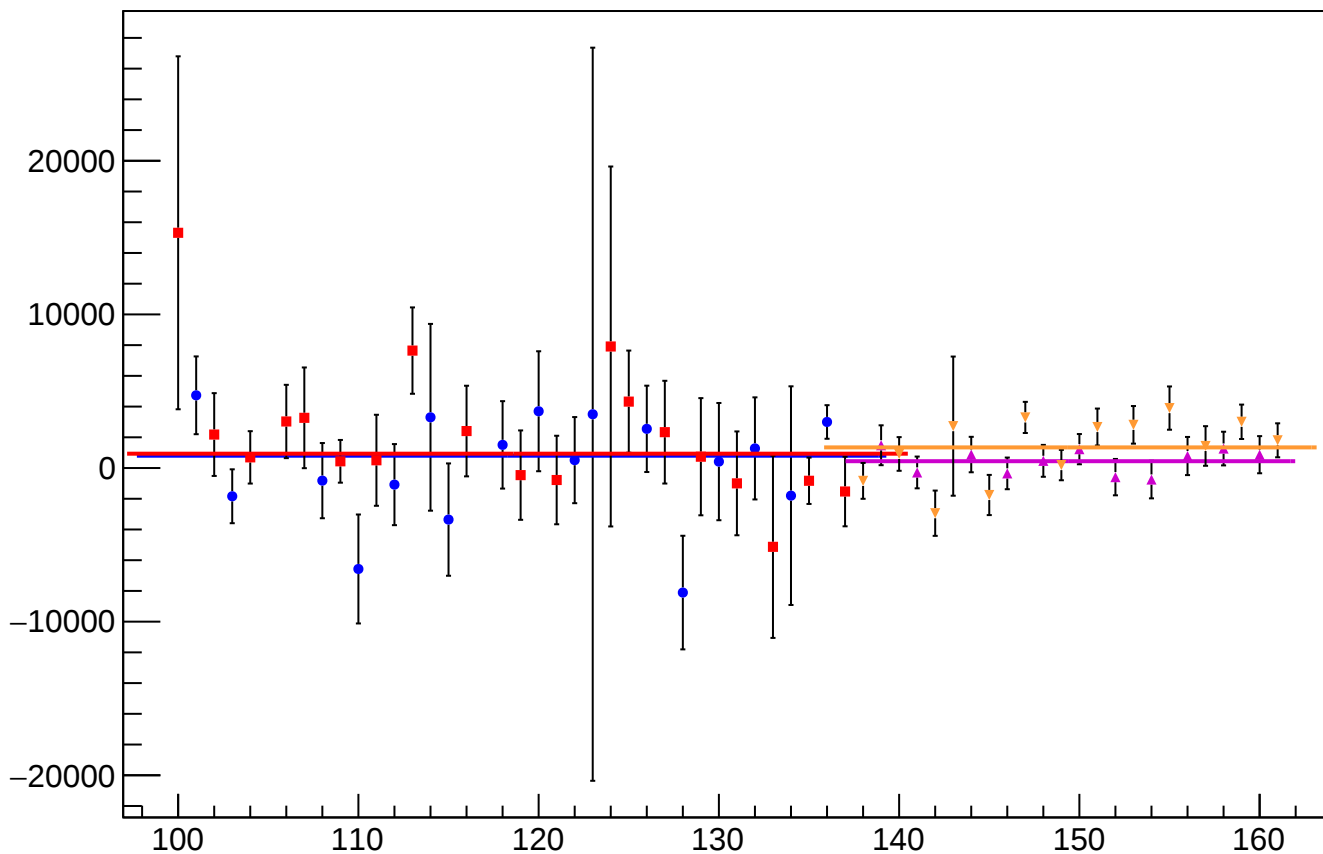
Right Out: 1610.948+/-0.441 χ^2/NDF : 433960.8/18

Left In: 1859.536+/-0.440 χ^2/NDF : 64019.3/10

1766.124+/-0.314 χ^2/NDF : 1013606.2/29

1735.636+/-0.311 χ^2/NDF : 657414.9/29

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 1343.085 $\pm$ 338.334 χ^2 /NDF:31.2/12

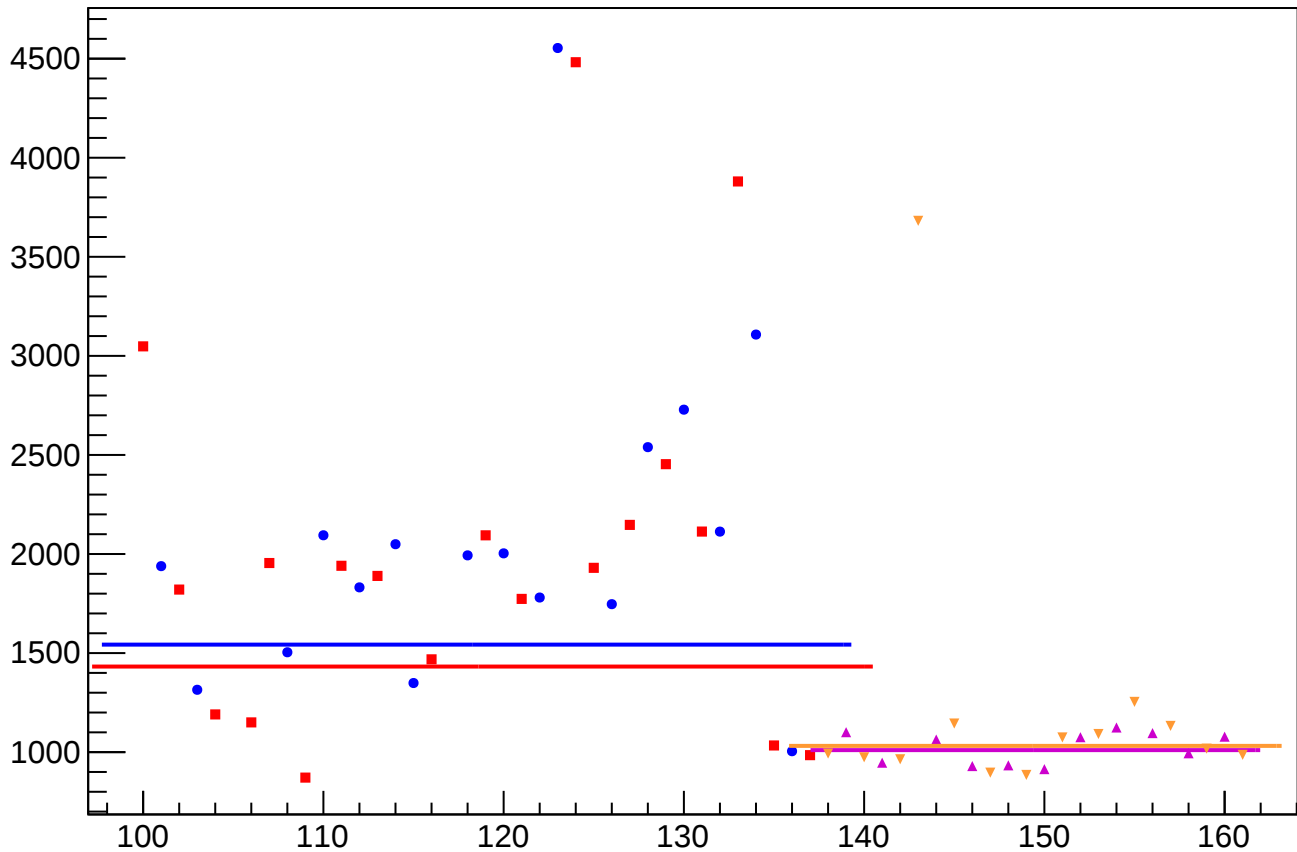
Right Out: 933.645 $\pm$ 589.727 χ^2 /NDF: 15.3/18

Left In: 444.655 $\pm$ 338.530 χ^2 /NDF:5.0/10

1222.696 $\pm$ 298.247 χ^2 /NDF: 54.2/29

565.853 $\pm$ 293.595 χ^2 /NDF: 20.8/29

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705 $\pm$ 0.447 χ^2 /NDF: 1287946.3/16

Left Out: 1031.674 $\pm$ 0.239 χ^2 /NDF: 863837.2/12

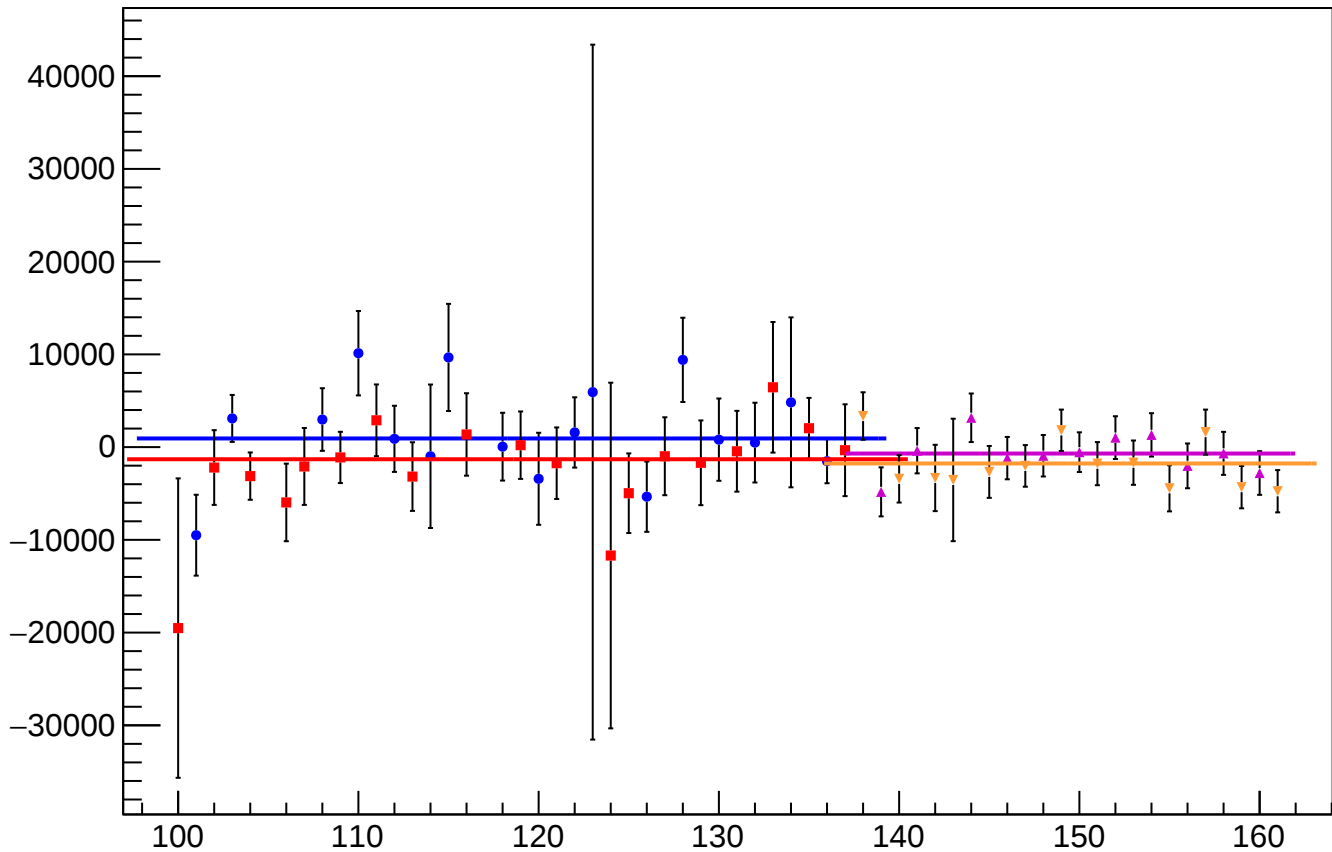
1145.597 $\pm$ 0.211 χ^2 /NDF: 3168960.7/29

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

1114.790 $\pm$ 0.208 χ^2 /NDF: 2696605.8/29

Left In: 1010.255 $\pm$ 0.239 χ^2 /NDF: 103388.4/10

asym_at2_dd_mean vs Slug



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

Left Out: -1764.419+/-705.578 χ^2/NDF :13.4/12

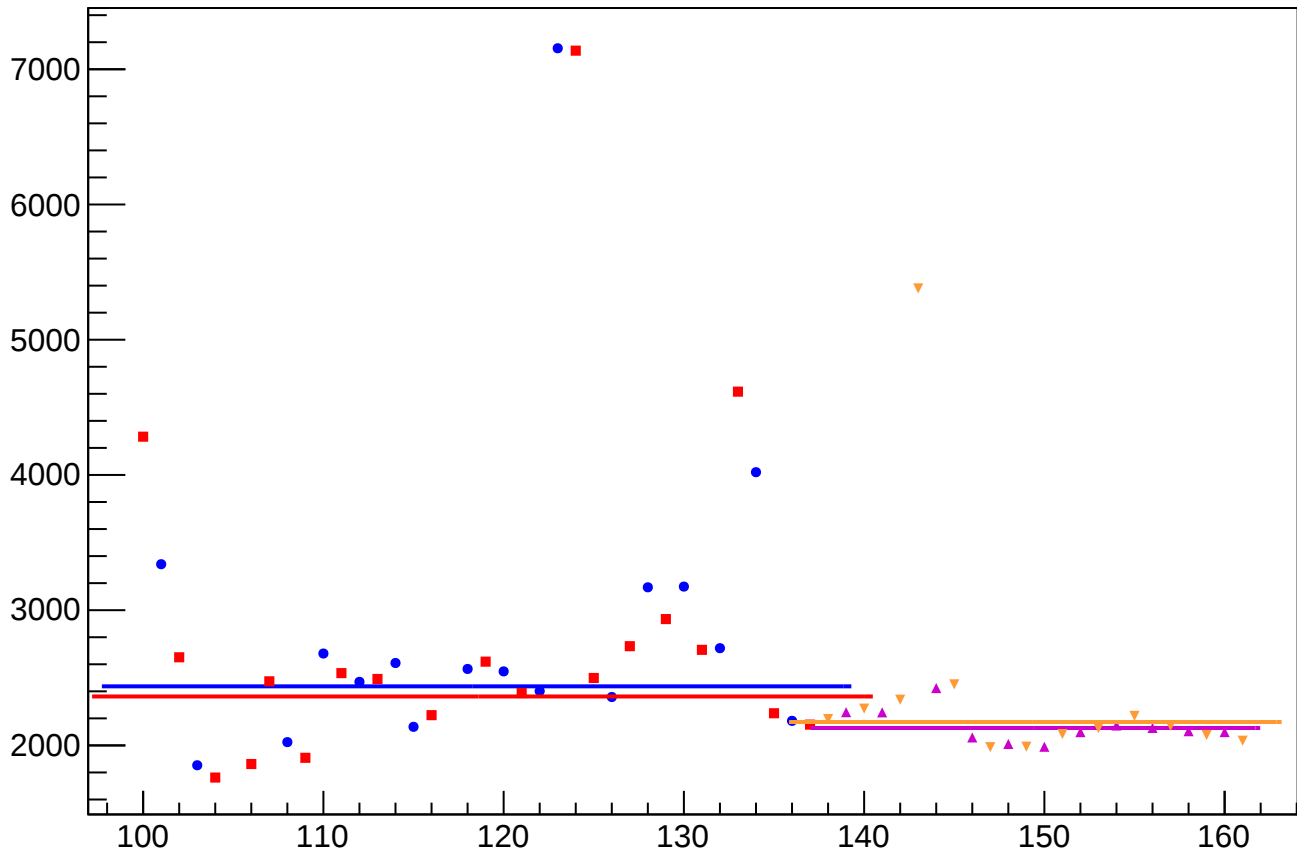
Right Out: -1307.802+/-925.415 χ^2/NDF : 8.5/18

Left In: -692.777+/-711.310 χ^2/NDF :7.1/10

-828.512+/-570.172 χ^2/NDF : 40.1/29

-921.189+/-563.963 χ^2/NDF : 15.9/29

asym_at2_dd_rms vs Slug



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

Left Out: 2173.150+/-0.499 χ^2/NDF : 541281.8/12

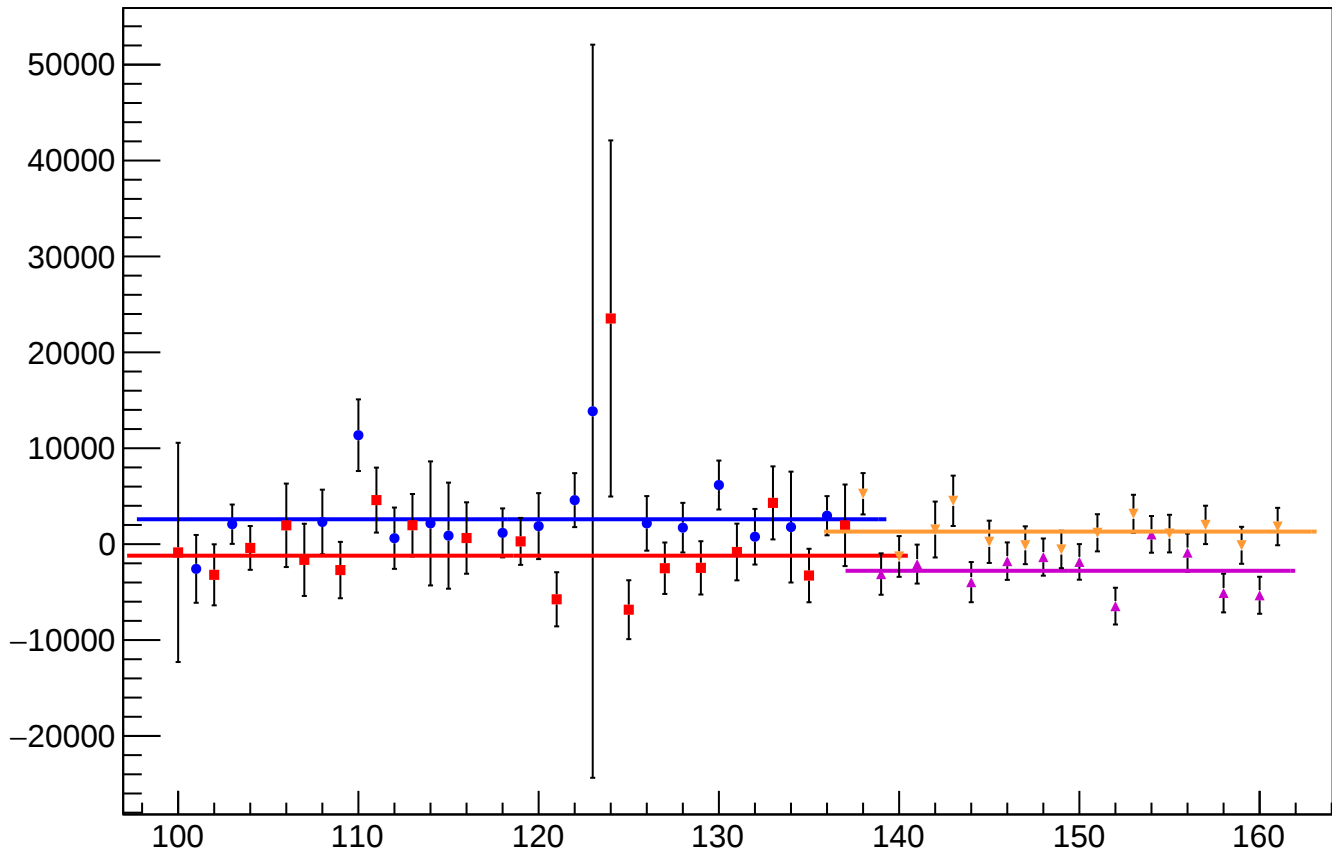
Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

Left In: 2128.755+/-0.503 χ^2/NDF : 50692.8/10

2264.653+/-0.403 χ^2/NDF : 1107249.3/29

2215.335+/-0.399 χ^2/NDF : 786325.3/29

reg_asym_atl1r2_avg_mean vs Slug



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

Left Out: 1310.749+/-578.502 χ^2/NDF : 9.6/12

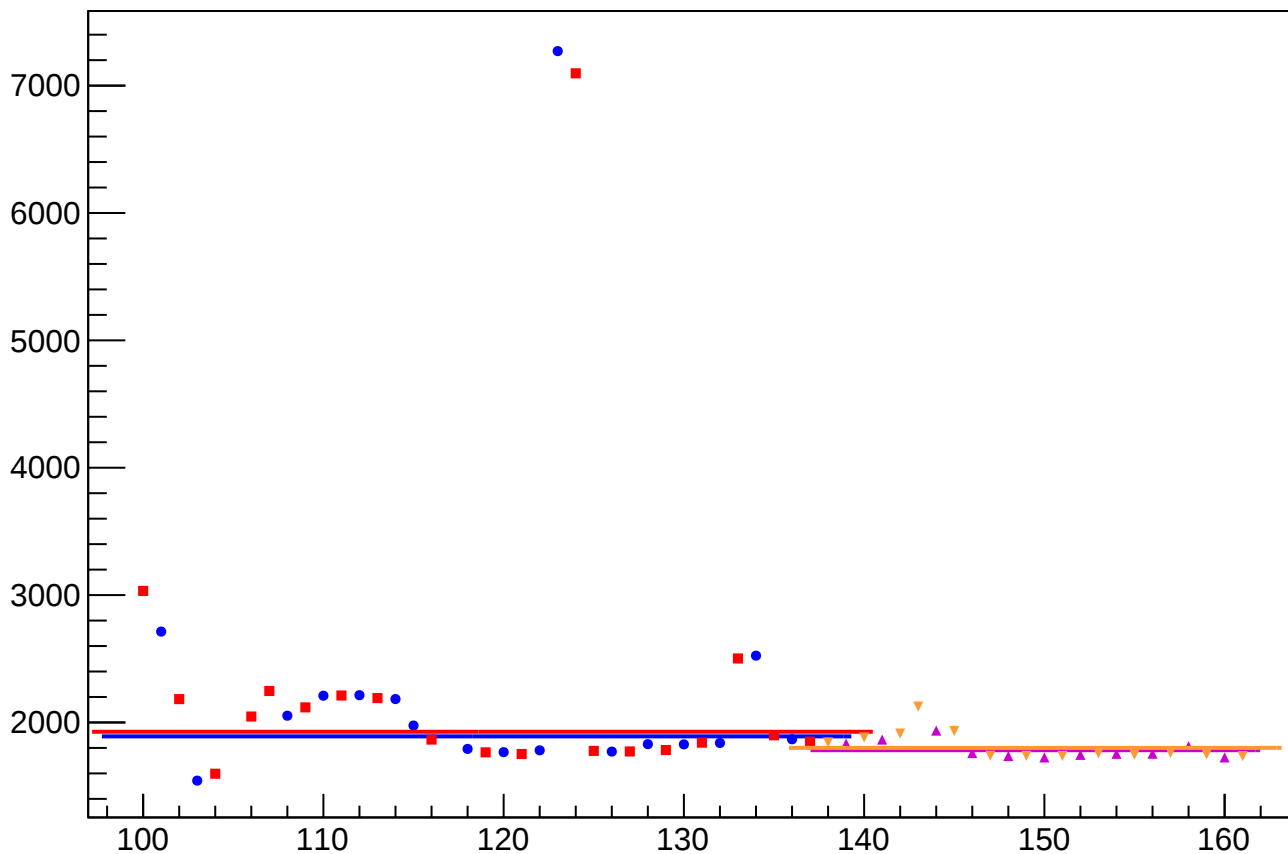
Right Out: -1202.548+/-739.618 χ^2/NDF : 17.2/18

Left In: -2778.070+/-595.992 χ^2/NDF : 13.1/10

1795.333+/-456.459 χ^2/NDF : 23.2/29

-2157.797+/-464.073 χ^2/NDF : 33.1/29

reg_asym_atl1r2_avg_rms vs Slug



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

Left Out: 1800.697+/-0.409 χ^2/NDF : 57272.2/12

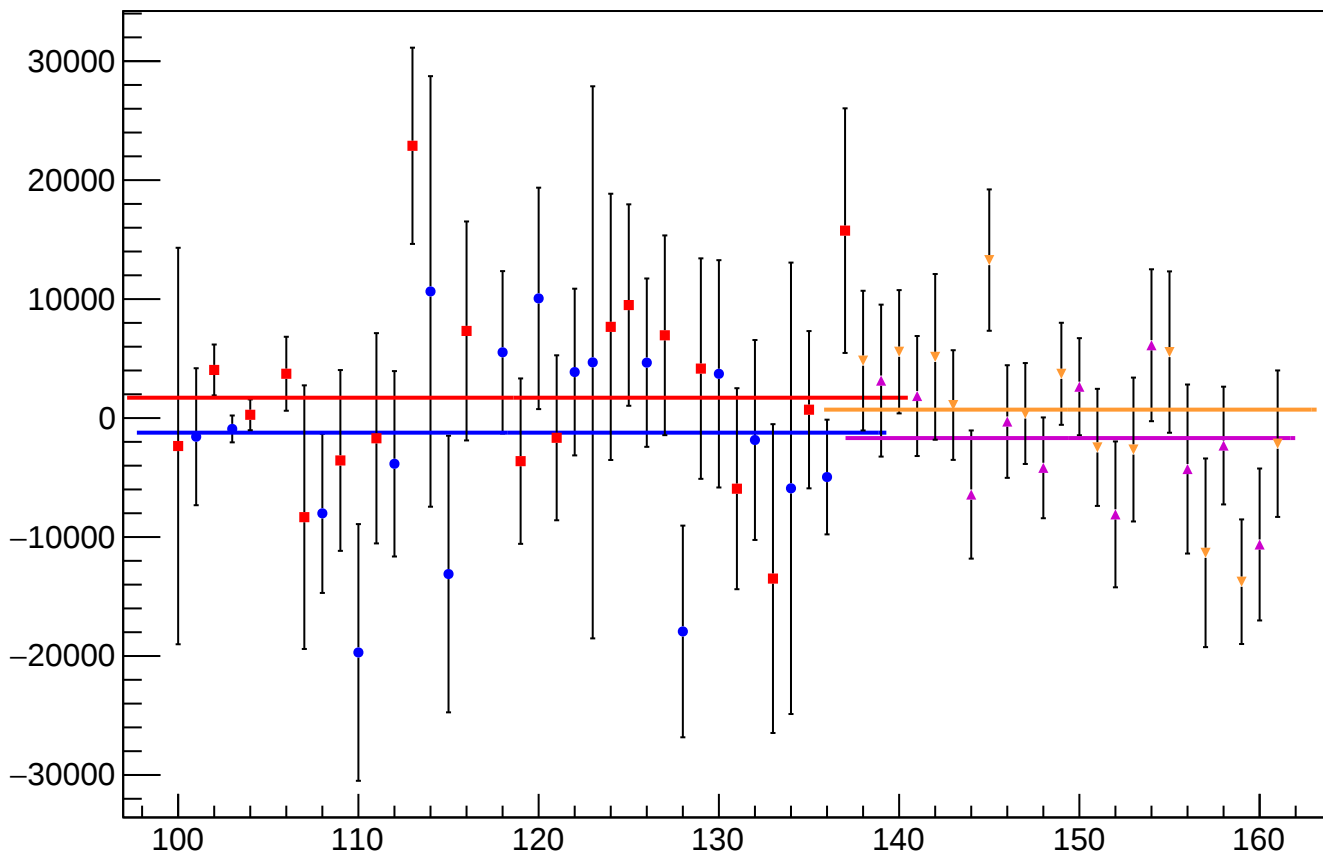
Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

Left In: 1782.130+/-0.421 χ^2/NDF : 22341.1/10

1834.674+/-0.323 χ^2/NDF : 364496.8/29

1839.253+/-0.328 χ^2/NDF : 431174.1/29

asym_atl1r2_avg_correction_mean vs Slug



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

Left Out: 709.384 ± 1505.234 χ^2/NDF : 18.1/12

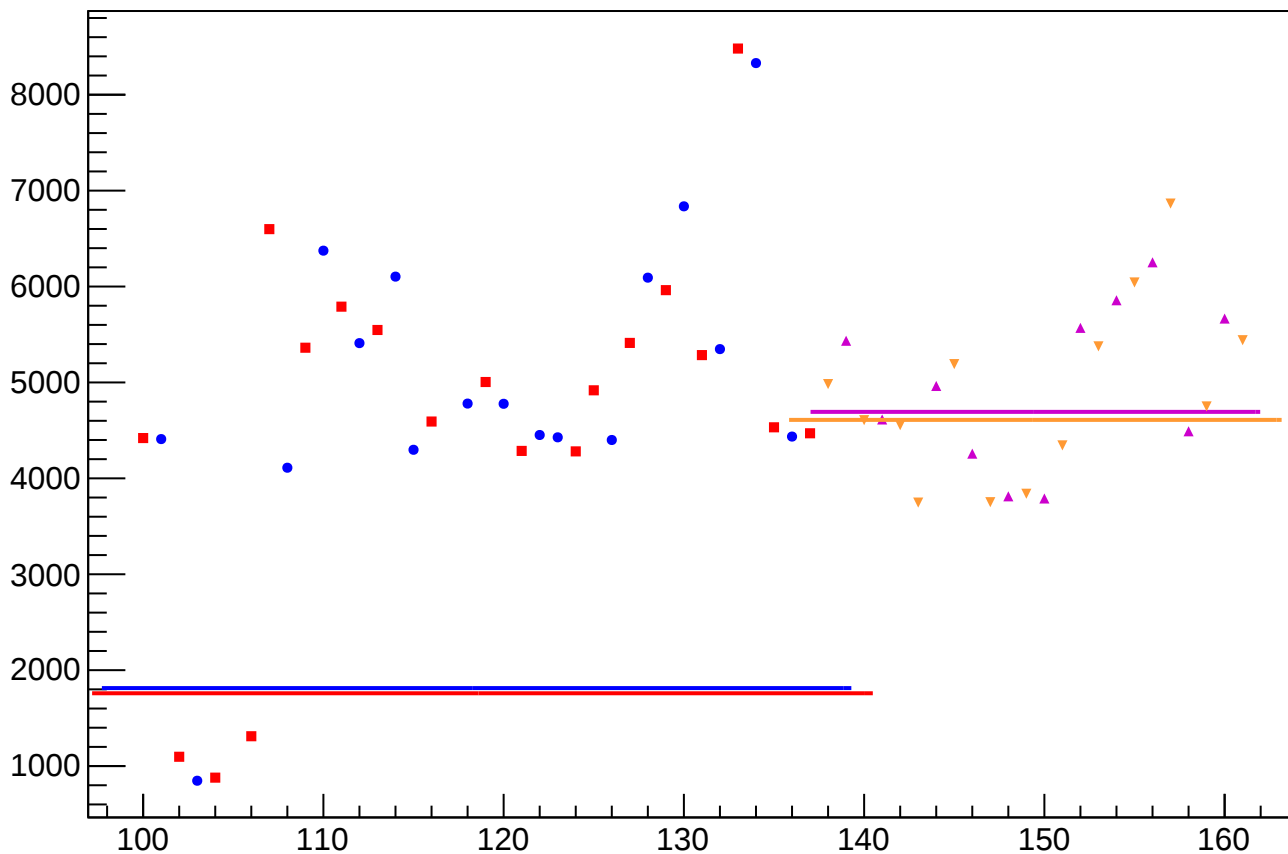
Right Out: 1711.747 ± 941.580 χ^2/NDF : 17.8/18

Left In: -1681.270 ± 1591.131 χ^2/NDF : 8.1/10

-646.689 ± 823.980 χ^2/NDF : 33.1/29

831.724 ± 810.327 χ^2/NDF : 29.3/29

asym_atl1r2_avg_correction_rms vs Slug



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

Left Out: 4609.588+/-1.064 χ^2/NDF : 570733.3/12

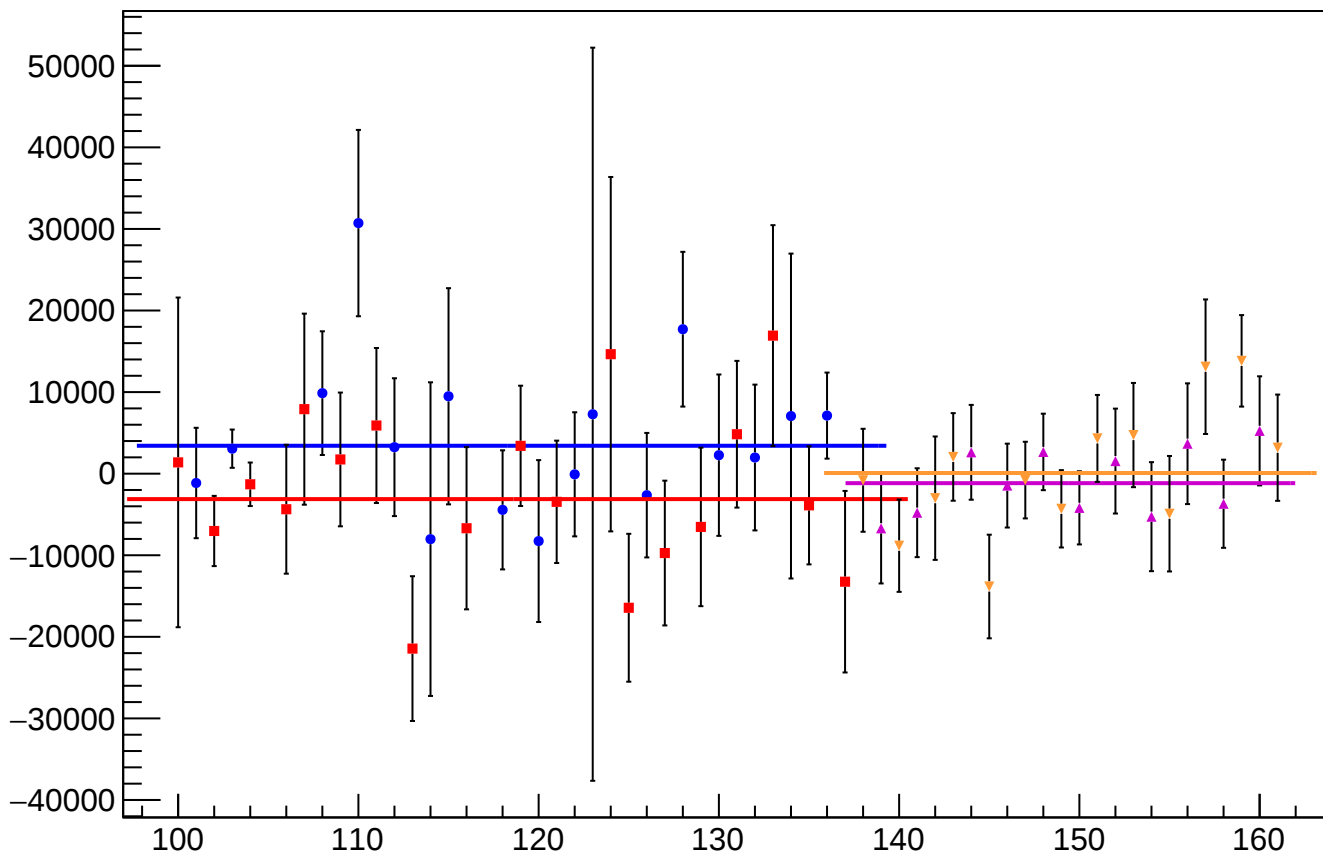
2651.155+/-0.583 χ^2/NDF : 11854019.0/29

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

2520.123+/-0.573 χ^2/NDF : 11837171.5/29

Left In: 4693.201+/-1.125 χ^2/NDF : 487205.2/10

asym_atl1r2_avg_mean vs Slug



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

Left Out: 80.630+/-1637.512 χ^2/NDF : 18.9/12

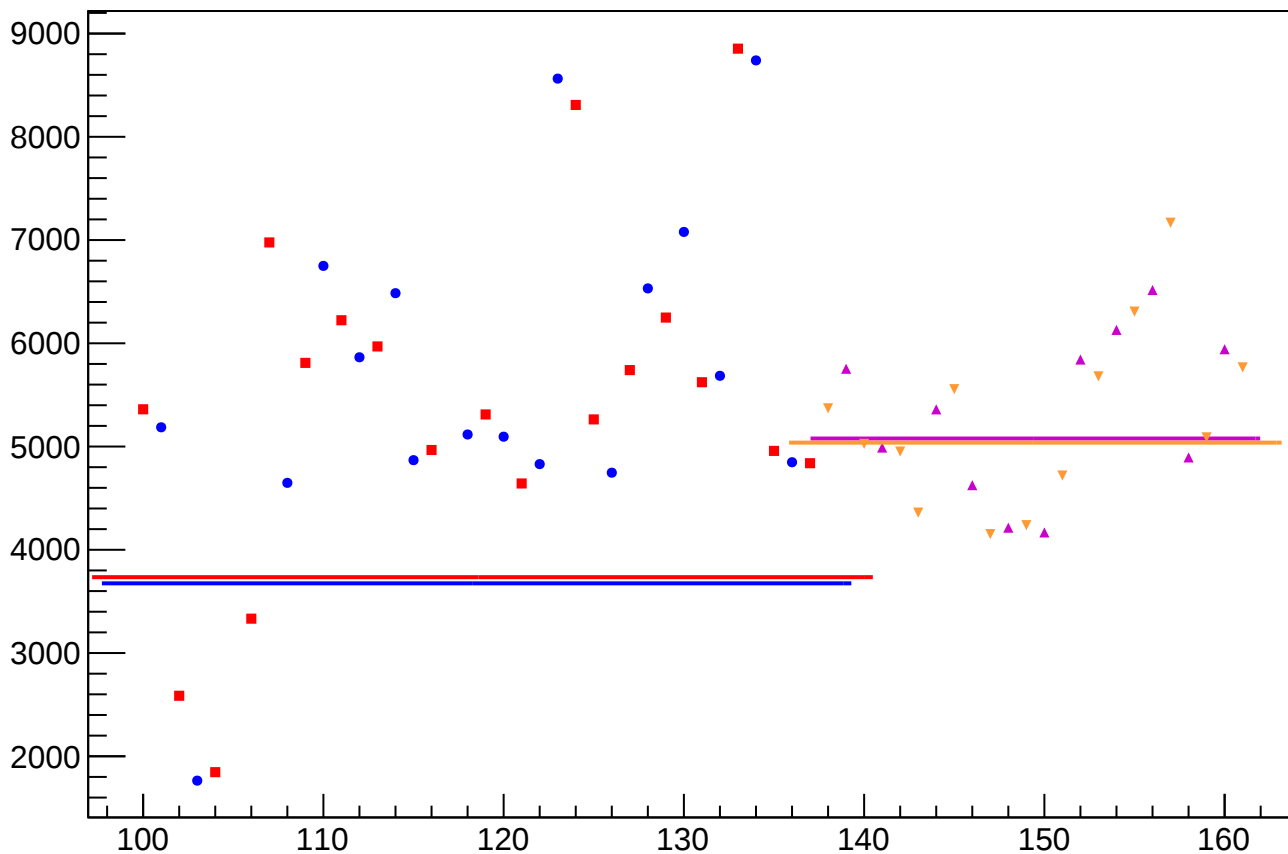
Right Out: -3117.857+/-1605.930 χ^2/NDF : 16.0/18

Left In: -1162.606+/-1715.832 χ^2/NDF : 4.8/10

1782.695+/-1146.839 χ^2/NDF : 34.7/29

-2204.851+/-1172.493 χ^2/NDF : 21.5/29

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5037.904+/-1.158 χ^2/NDF : 429357.2/12

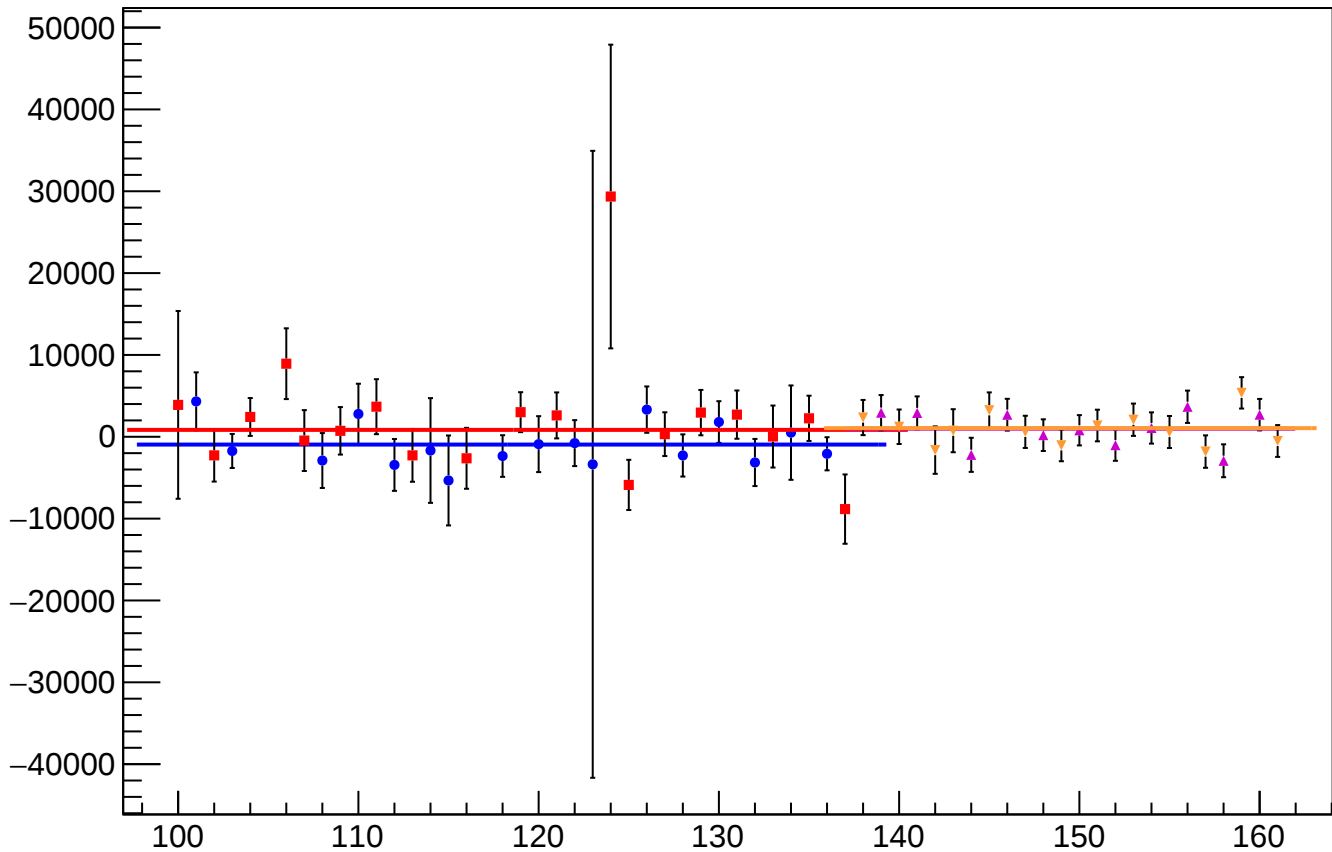
Right Out: 3734.796+/-1.128 χ^2/NDF : 2693929.0/18

Left In: 5077.645+/-1.213 χ^2/NDF : 379922.5/10

4343.501+/-0.811 χ^2/NDF : 3910332.3/29

4357.389+/-0.826 χ^2/NDF : 3730896.9/29

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 1053.027 ± 576.021 χ^2/NDF : 11.6/12

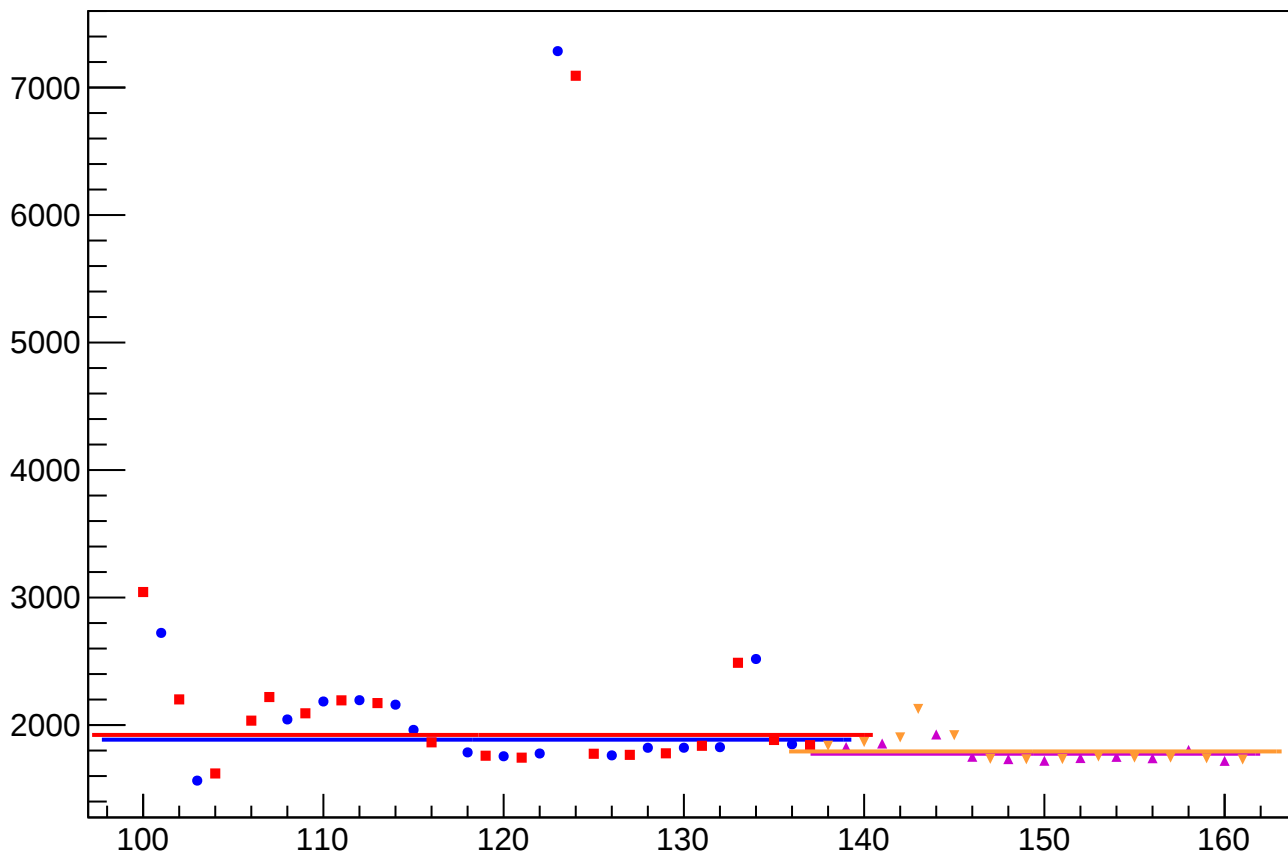
Right Out: 843.515 ± 737.527 χ^2/NDF : 22.5/18

Left In: 988.358 ± 593.592 χ^2/NDF : 12.6/10

297.610 ± 454.700 χ^2/NDF : 26.1/29

931.418 ± 462.423 χ^2/NDF : 35.1/29

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2 /NDF: 280429.0/16

Left Out: 1793.023+/-0.407 χ^2 /NDF: 57685.9/12

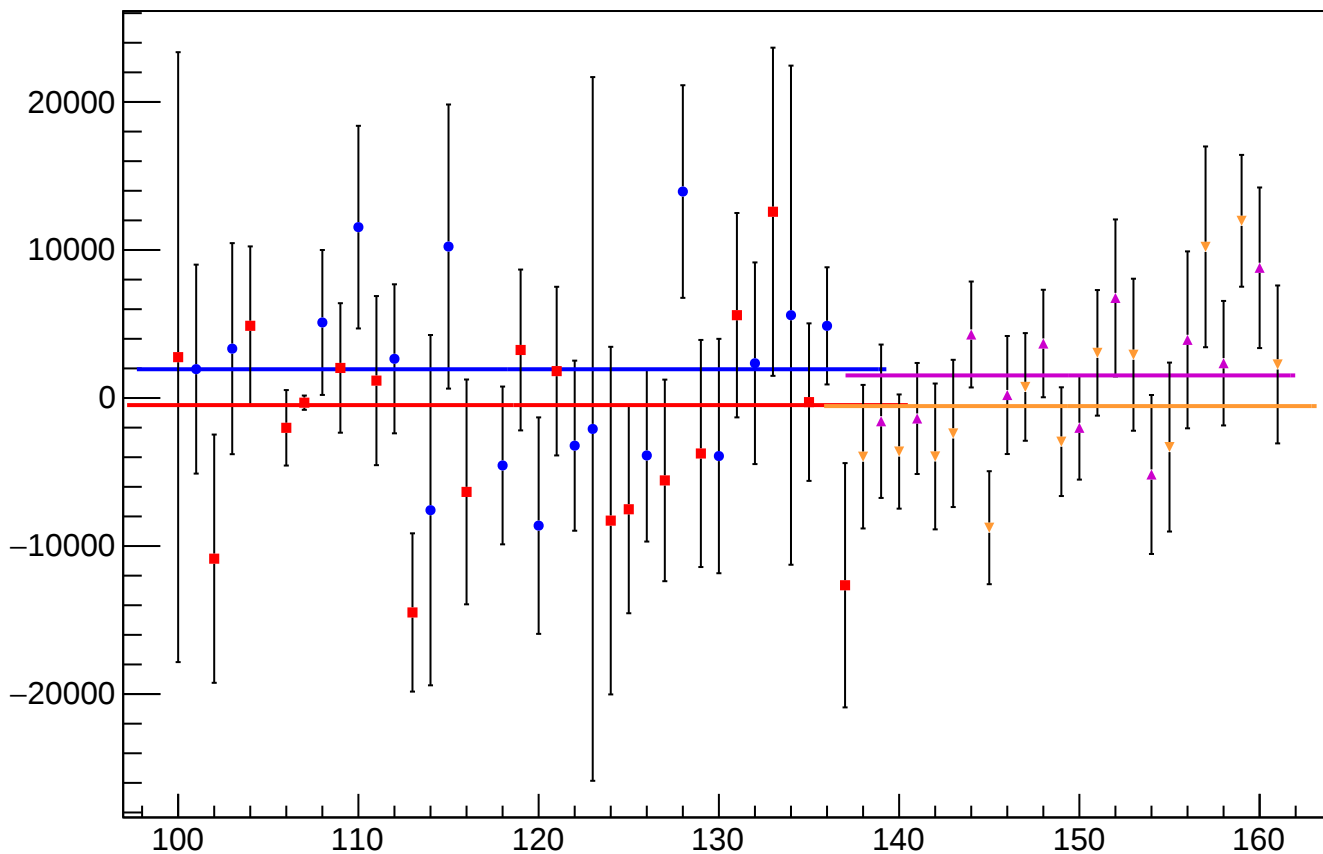
Right Out: 1922.538+/-0.521 χ^2 /NDF: 351512.1/18

Left In: 1774.994+/-0.420 χ^2 /NDF: 21559.7/10

1827.823+/-0.322 χ^2 /NDF: 357483.8/29

1833.107+/-0.327 χ^2 /NDF: 421739.9/29

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -545.946+/-1248.784 χ^2/NDF : 19.0/12

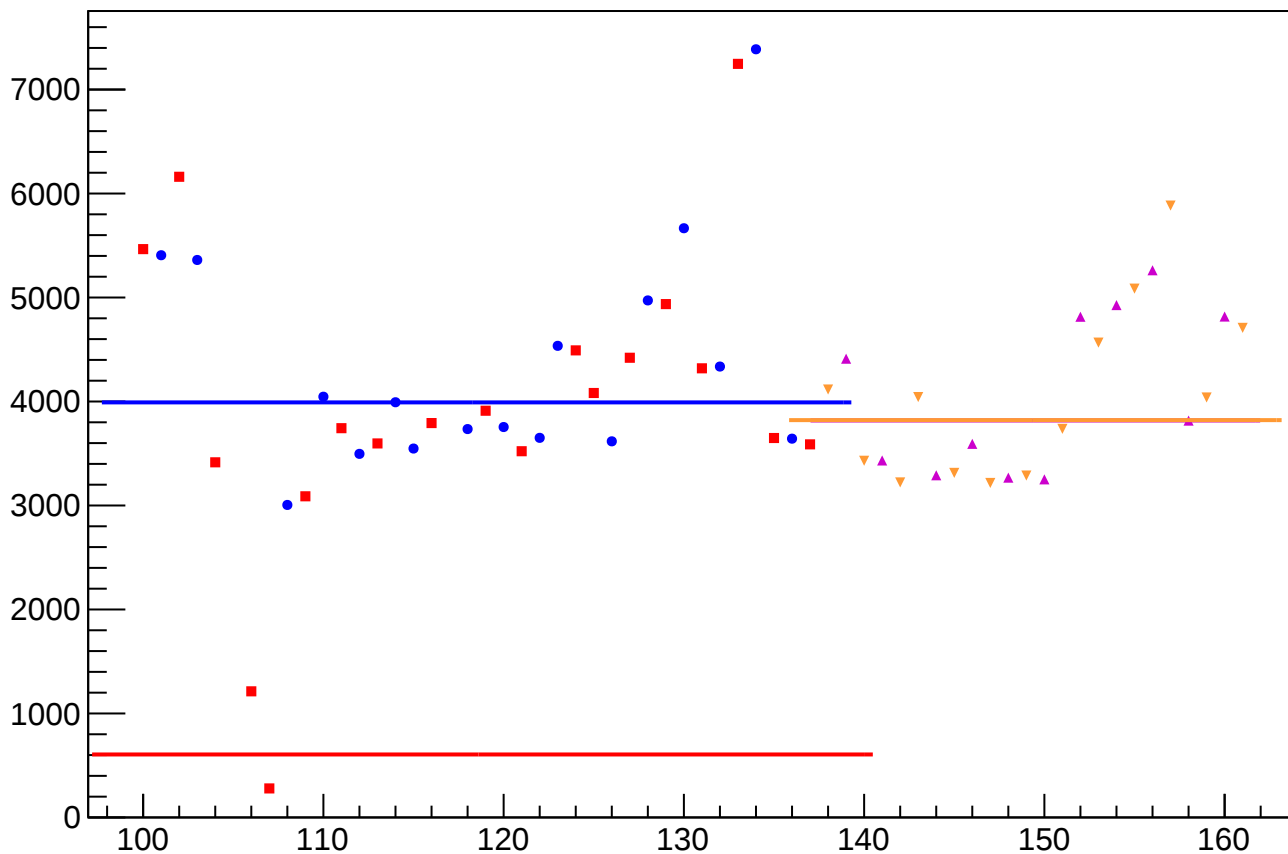
Right Out: -478.828+/-453.684 χ^2/NDF : 18.1/18

Left In: 1527.031+/-1295.803 χ^2/NDF : 7.6/10

410.321+/-979.975 χ^2/NDF : 33.8/29

-259.794+/-428.198 χ^2/NDF : 27.8/29

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3820.919+/-0.883 χ^2/NDF : 580438.5/12

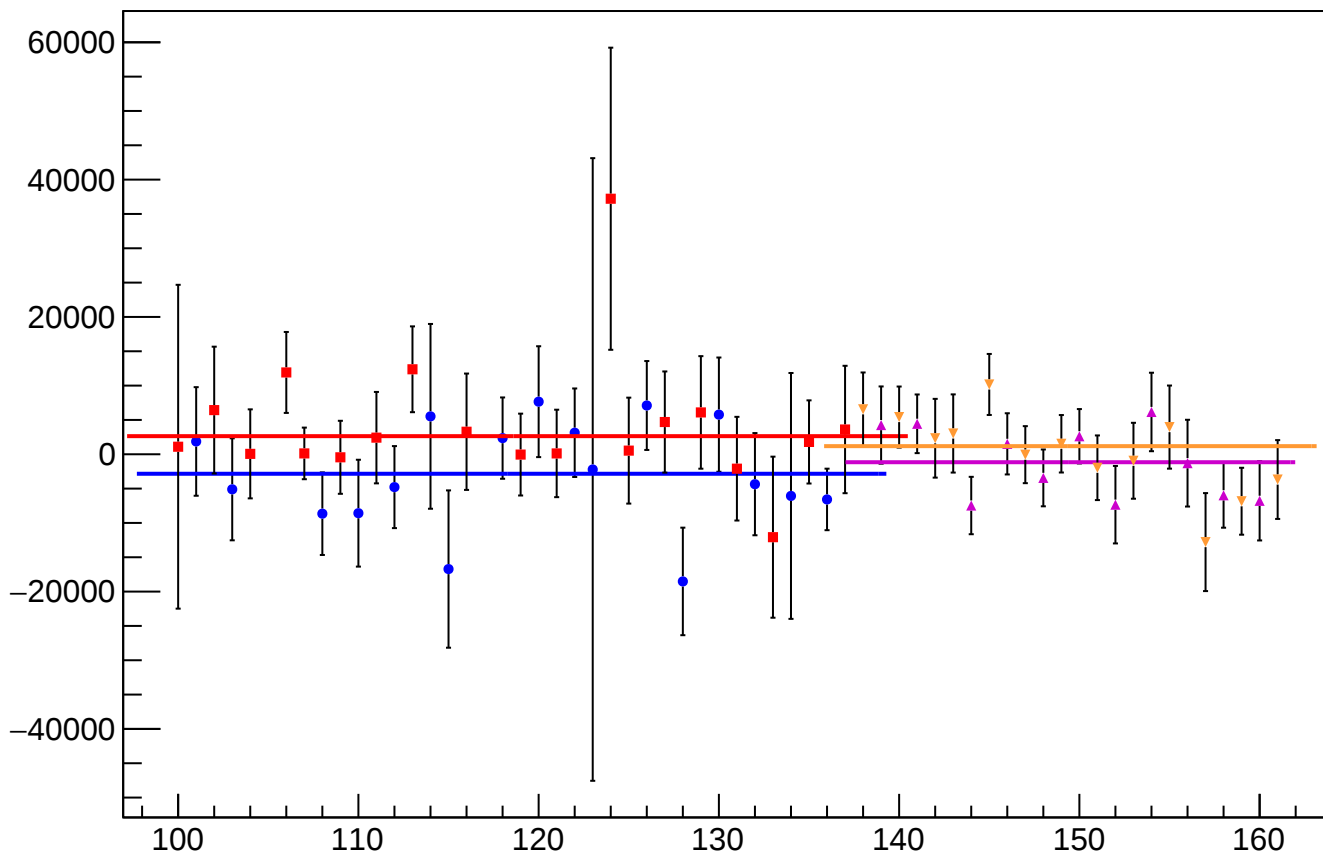
Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

Left In: 3817.387+/-0.916 χ^2/NDF : 536119.4/10

3886.420+/-0.693 χ^2/NDF : 1105543.9/29

956.435+/-0.303 χ^2/NDF : 21727099.6/29

asym_atl1r2_dd_mean vs Slug



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

Left Out: 1181.761+/-1400.815 χ^2/NDF : 14.3/12

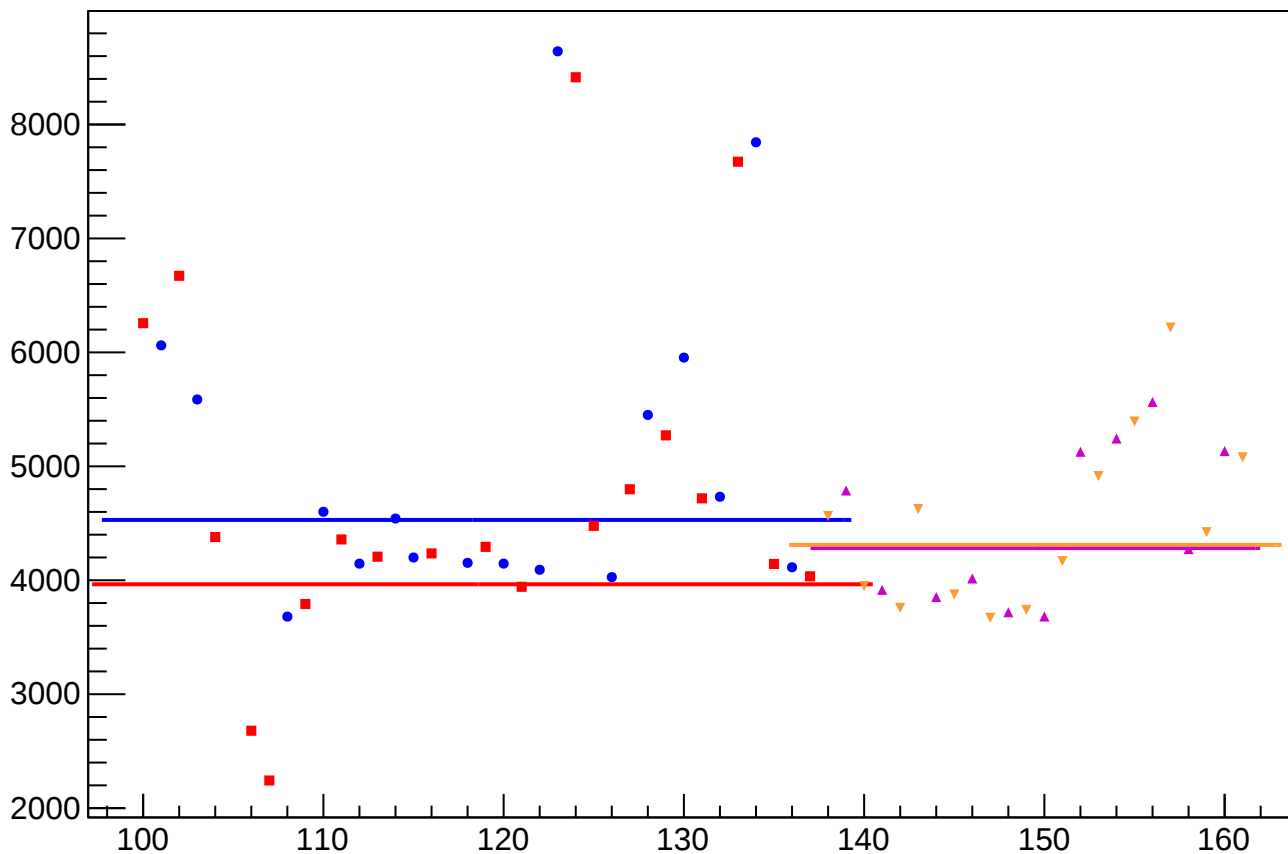
Right Out: 2637.071+/-1575.105 χ^2/NDF : 11.2/18

Left In: -1158.535+/-1446.357 χ^2/NDF : 11.3/10

-349.842+/-1102.231 χ^2/NDF : 32.9/29

577.826+/-1065.342 χ^2/NDF : 25.7/29

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462 ± 1.263 χ^2/NDF : 389326.2/16

Left Out: 4310.754 ± 0.991 χ^2/NDF : 415786.5/12

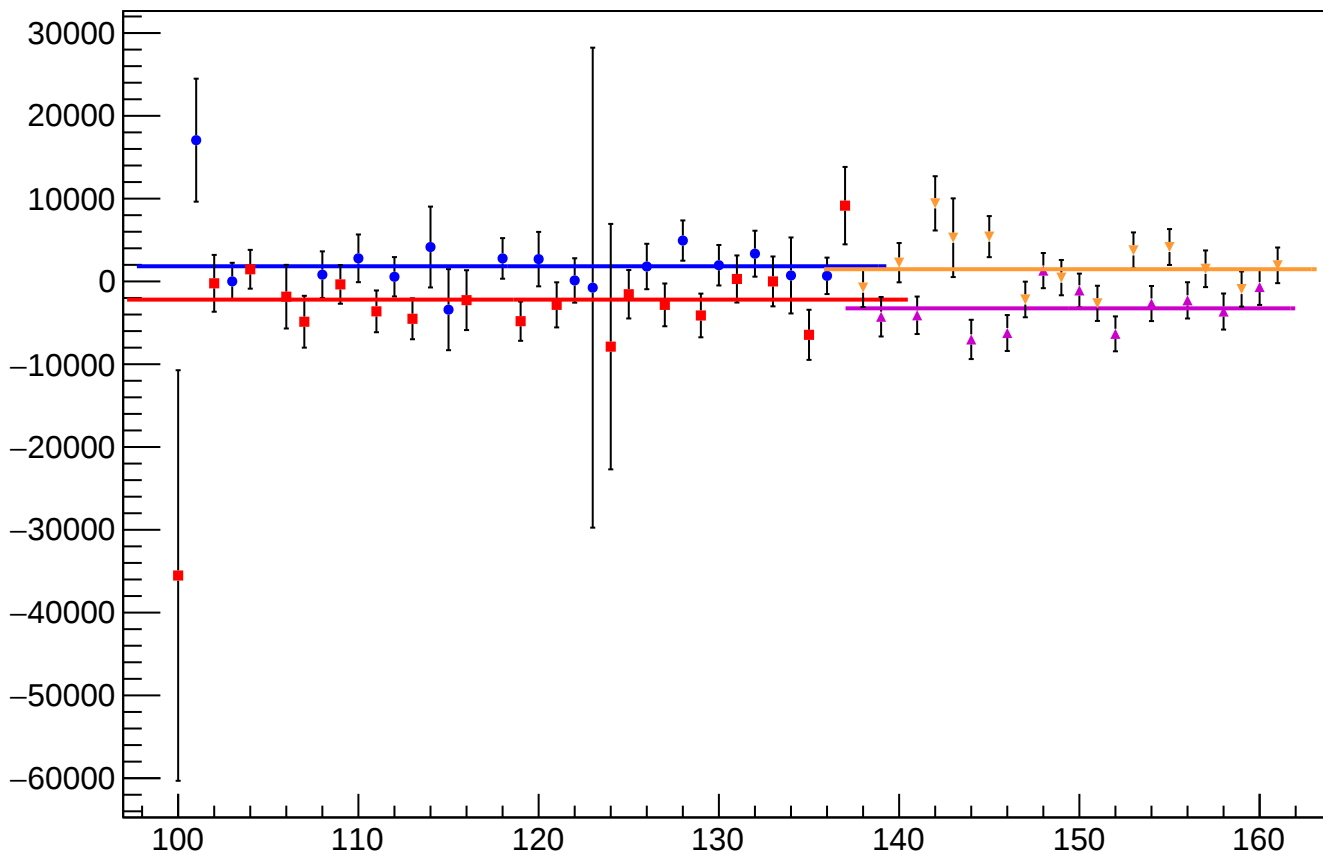
Right Out: 3964.829 ± 1.107 χ^2/NDF : 1140409.6/18

Left In: 4282.540 ± 1.023 χ^2/NDF : 369424.9/10

4394.052 ± 0.779 χ^2/NDF : 823680.9/29

4136.187 ± 0.751 χ^2/NDF : 1554288.9/29

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1474.872+/-647.841 χ^2/NDF : 20.9/12

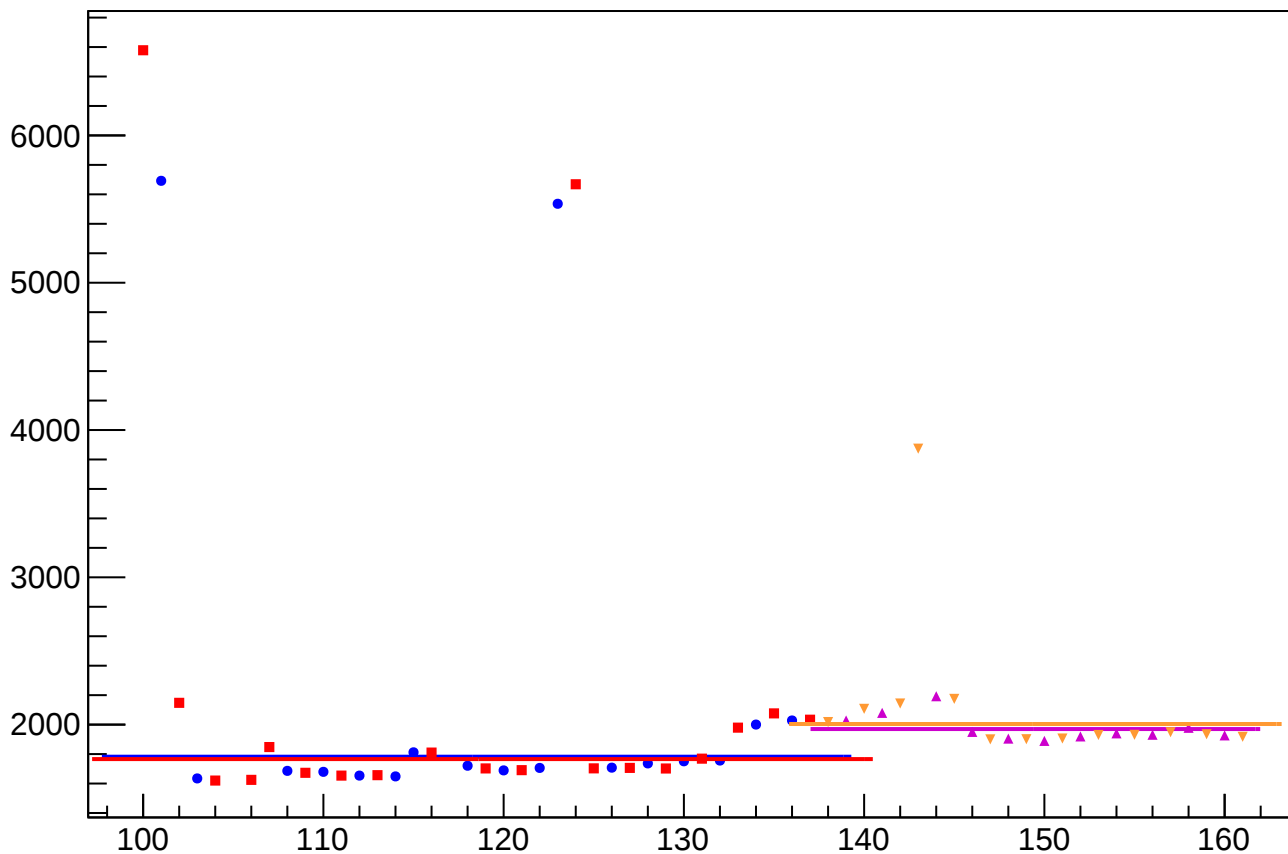
Right Out: -2198.063+/-684.205 χ^2/NDF : 18.3/18

Left In: -3252.386+/-658.586 χ^2/NDF : 14.3/10

1635.929+/-478.970 χ^2/NDF : 30.7/29

-2745.333+/-474.489 χ^2/NDF : 33.9/29

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2004.149+/-0.458 χ^2/NDF : 351233.9/12

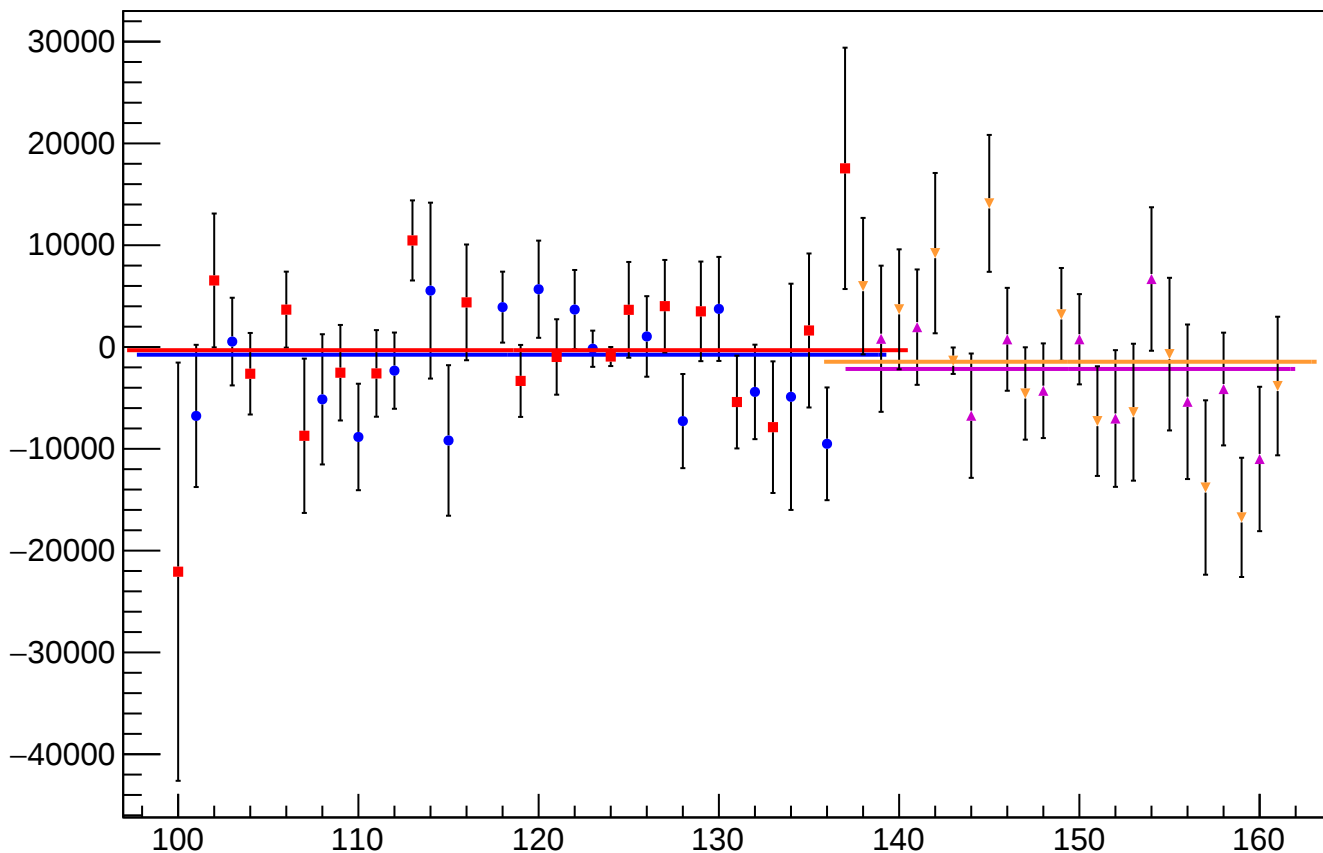
Right Out: 1765.967+/-0.480 χ^2/NDF : 306798.2/18

Left In: 1969.930+/-0.466 χ^2/NDF : 31643.4/10

1903.491+/-0.339 χ^2/NDF : 1102914.0/29

1871.139+/-0.334 χ^2/NDF : 431354.3/29

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428 ± 1008.523 $\chi^2/\text{NDF}: 16.9/16$

Left Out: -1446.172 ± 1044.062 $\chi^2/\text{NDF}: 21.4/12$

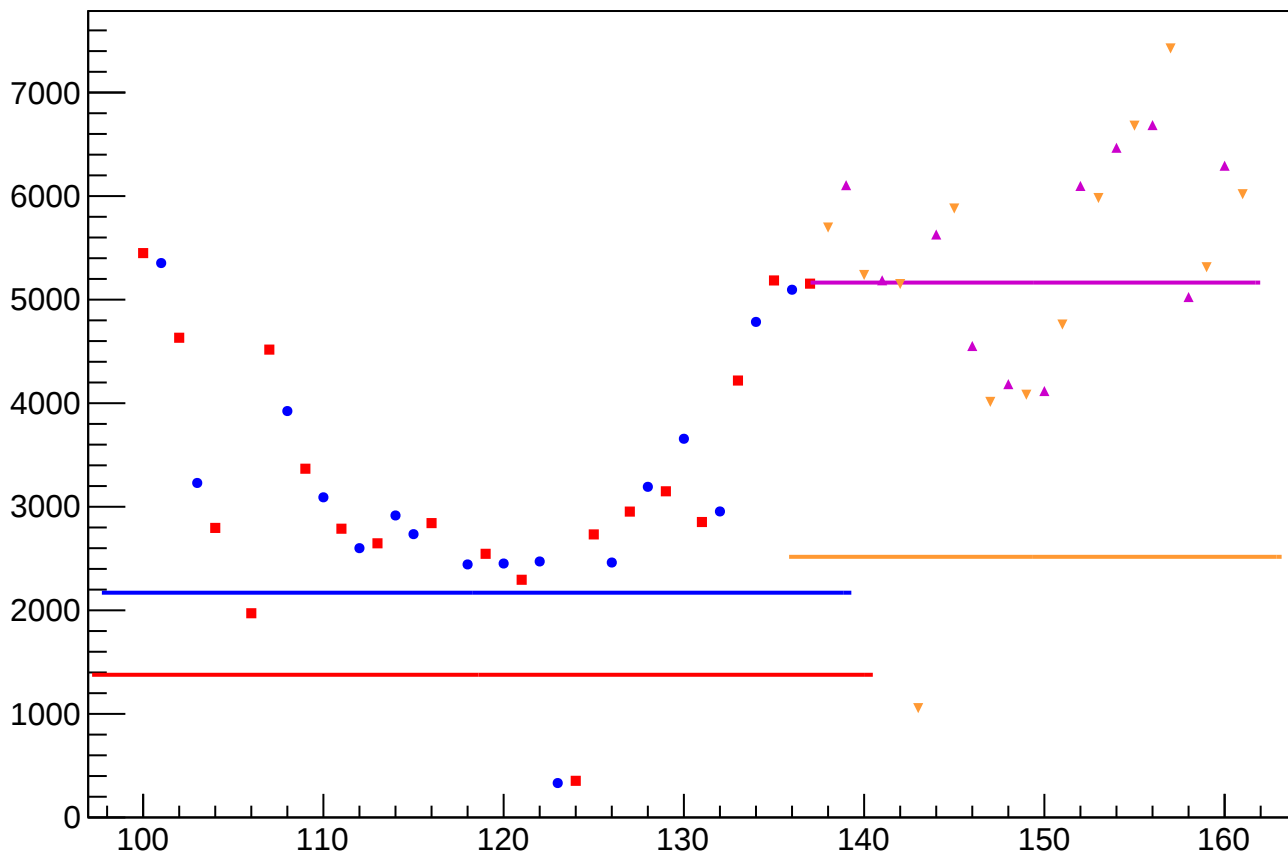
Right Out: -311.405 ± 725.132 $\chi^2/\text{NDF}: 22.0/18$

Left In: -2154.708 ± 1752.023 $\chi^2/\text{NDF}: 6.2/10$

-1087.809 ± 725.372 $\chi^2/\text{NDF}: 38.6/29$

-580.982 ± 670.013 $\chi^2/\text{NDF}: 29.1/29$

asym_atr1l2_avg_correction_rms vs Slug



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

Left Out: 2516.734 $\pm$ 0.738 χ^2 /NDF: 7721003.3/12

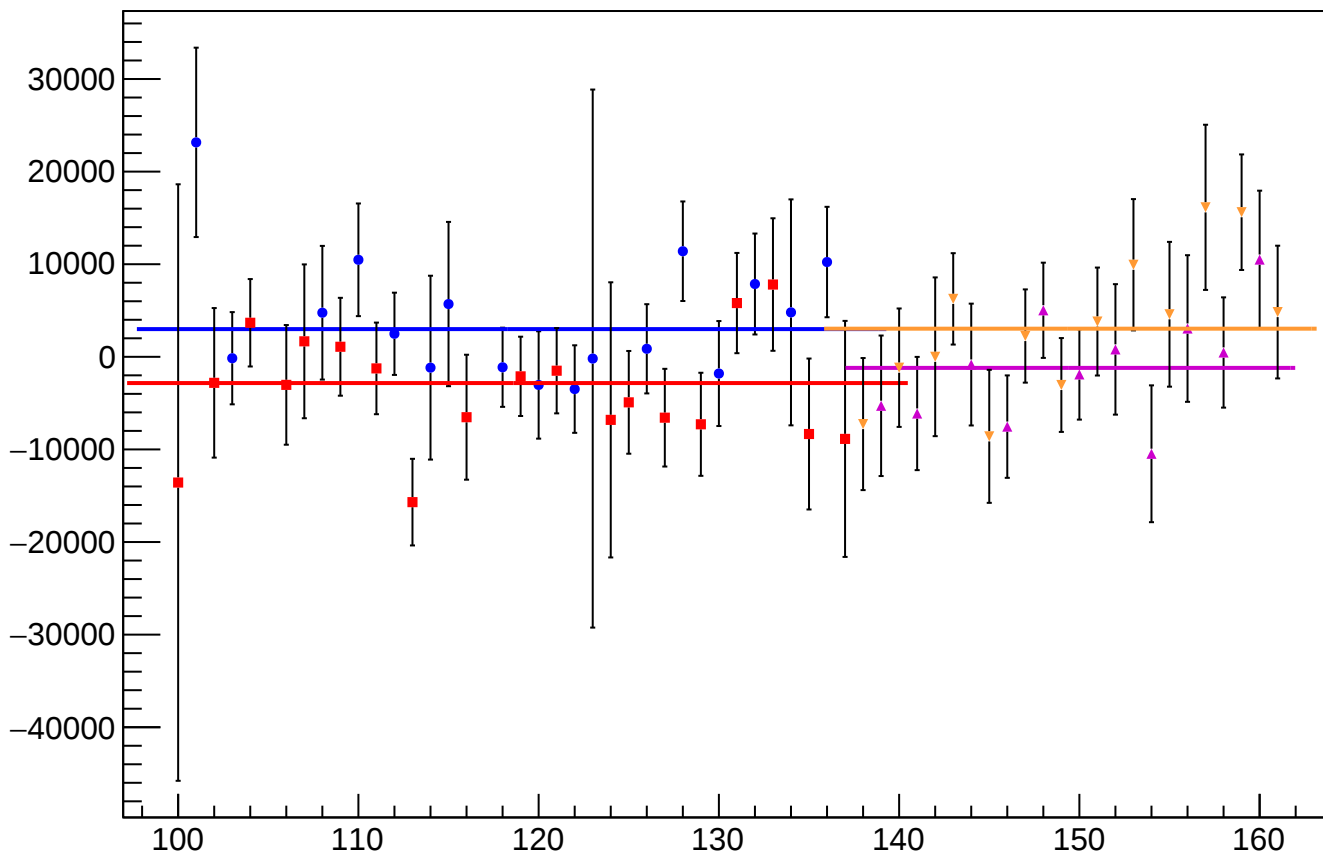
Right Out: 1377.716 $\pm$ 0.513 χ^2 /NDF: 6847297.6/18

Left In: 5164.740 $\pm$ 1.239 χ^2 /NDF: 514899.1/10

2337.491 $\pm$ 0.513 χ^2 /NDF: 11808679.1/29

1931.556 $\pm$ 0.474 χ^2 /NDF: 15339911.1/29

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 ± 1447.211 χ^2/NDF : 15.7/16

Left Out: 3038.834 ± 1767.723 χ^2/NDF : 14.4/12

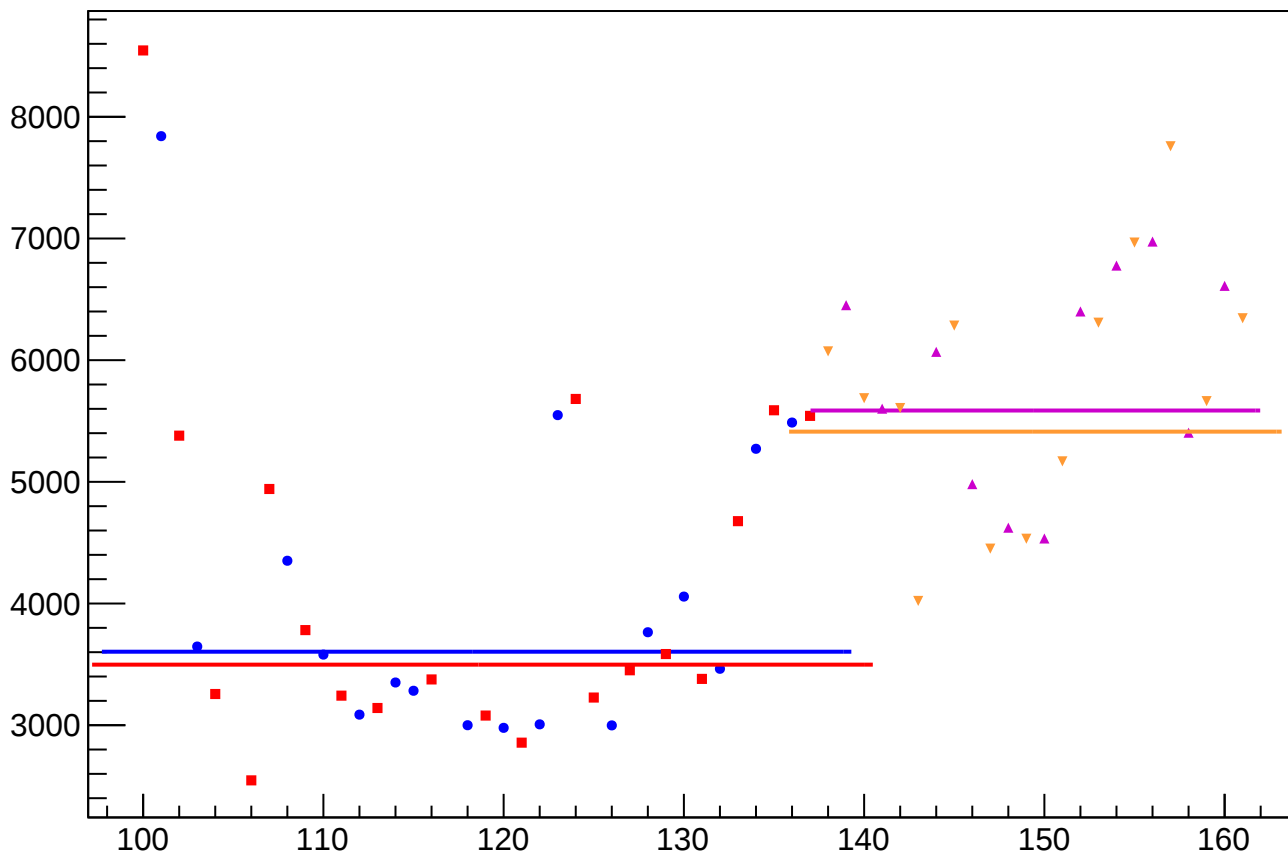
Right Out: -2833.408 ± 1379.110 χ^2/NDF : 17.7/18

Left In: -1195.421 ± 1888.417 χ^2/NDF : 8.2/10

3011.277 ± 1119.802 χ^2/NDF : 30.1/29

-2263.670 ± 1113.730 χ^2/NDF : 26.5/29

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930+/-1.023 χ^2/NDF : 784674.5/16

Left Out: 5412.667+/-1.250 χ^2/NDF : 633455.3/12

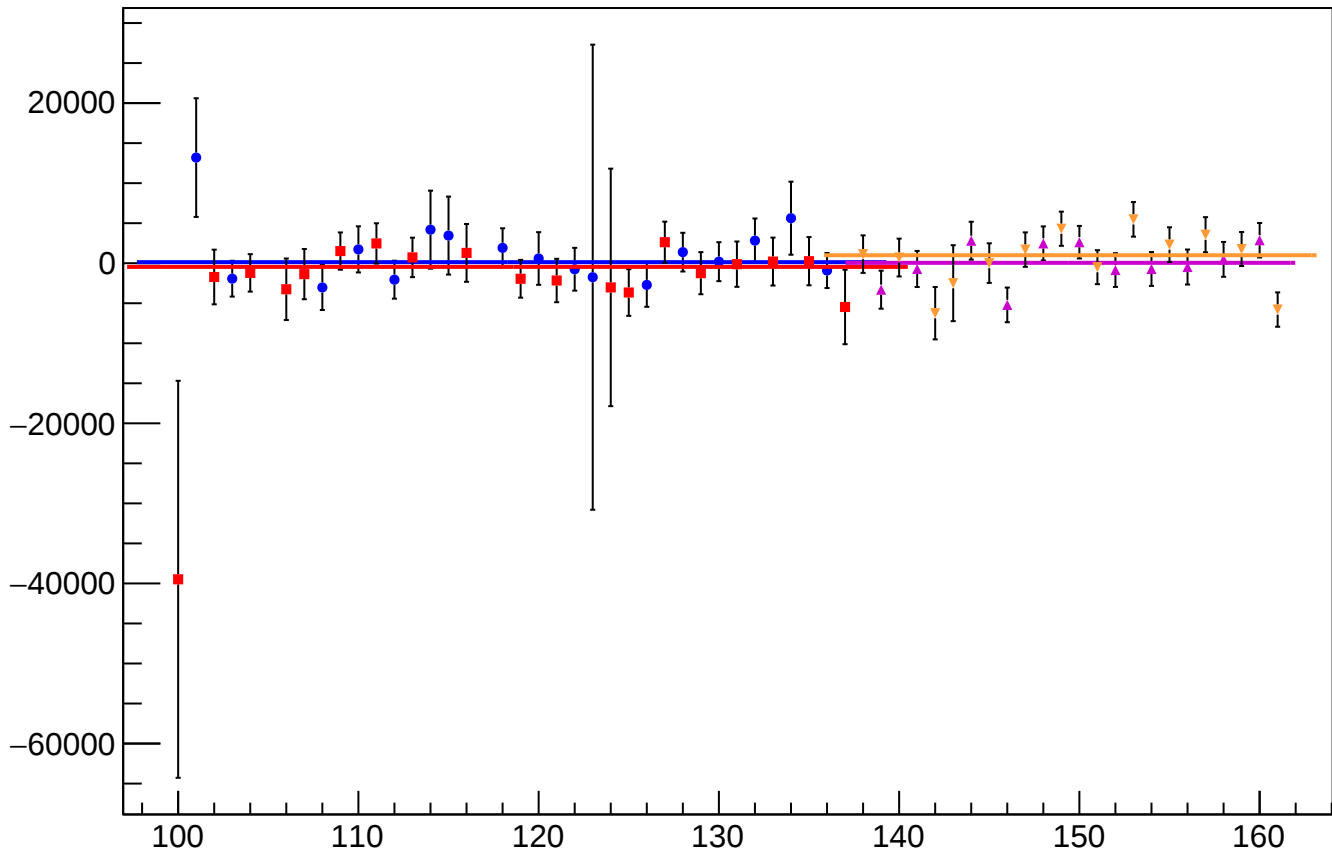
Right Out: 3497.586+/-0.962 χ^2/NDF : 661898.6/18

Left In: 5586.259+/-1.335 χ^2/NDF : 403749.7/10

4329.746+/-0.792 χ^2/NDF : 2671773.0/29

4210.880+/-0.780 χ^2/NDF : 2676766.5/29

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 ± 709.207 χ^2/NDF : 12.2/16

Left Out: 997.113 ± 646.234 χ^2/NDF : 24.8/12

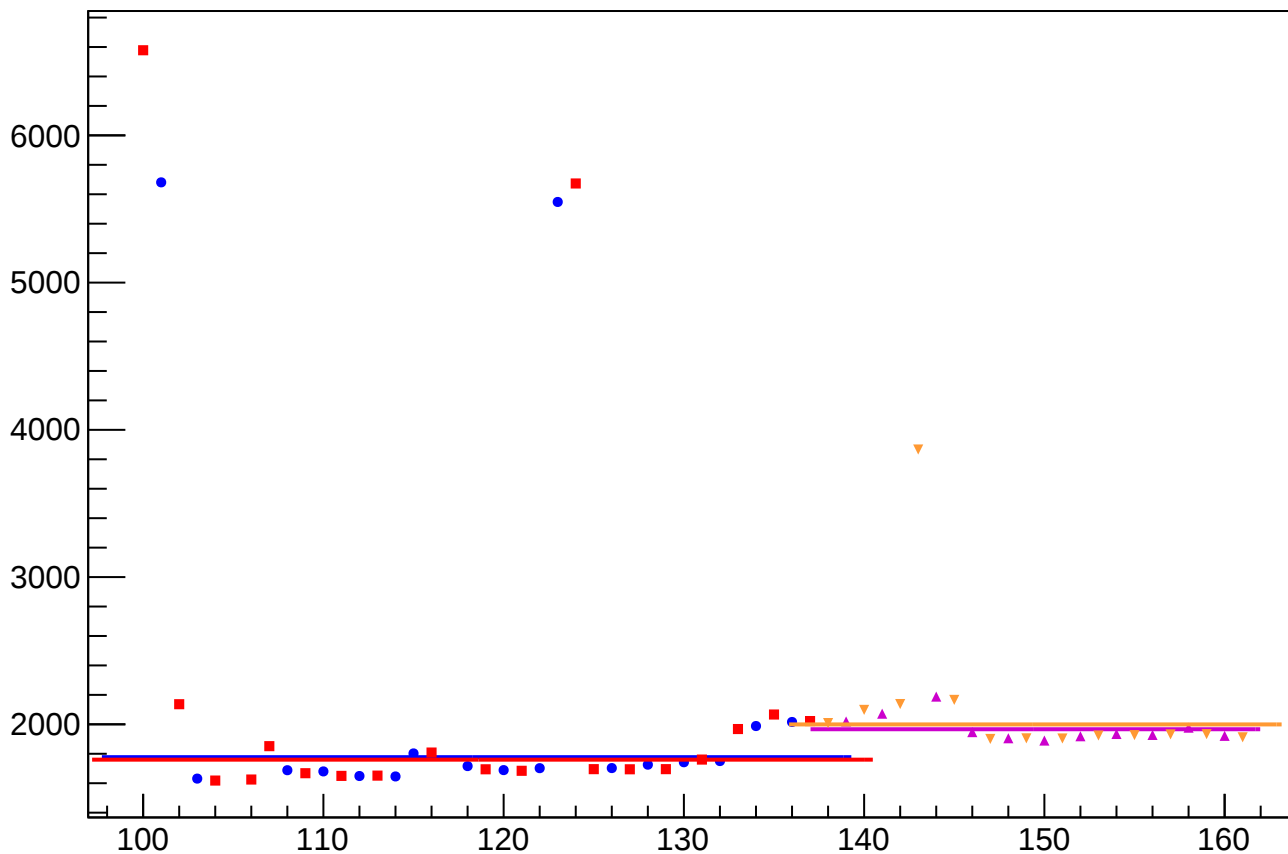
Right Out: -459.034 ± 681.841 χ^2/NDF : 10.7/18

Left In: 49.136 ± 657.441 χ^2/NDF : 14.4/10

604.169 ± 477.671 χ^2/NDF : 37.8/29

-195.694 ± 473.272 χ^2/NDF : 25.4/29

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2 /NDF: 643576.8/16

Left Out: 1999.334+/-0.457 χ^2 /NDF: 349909.8/12

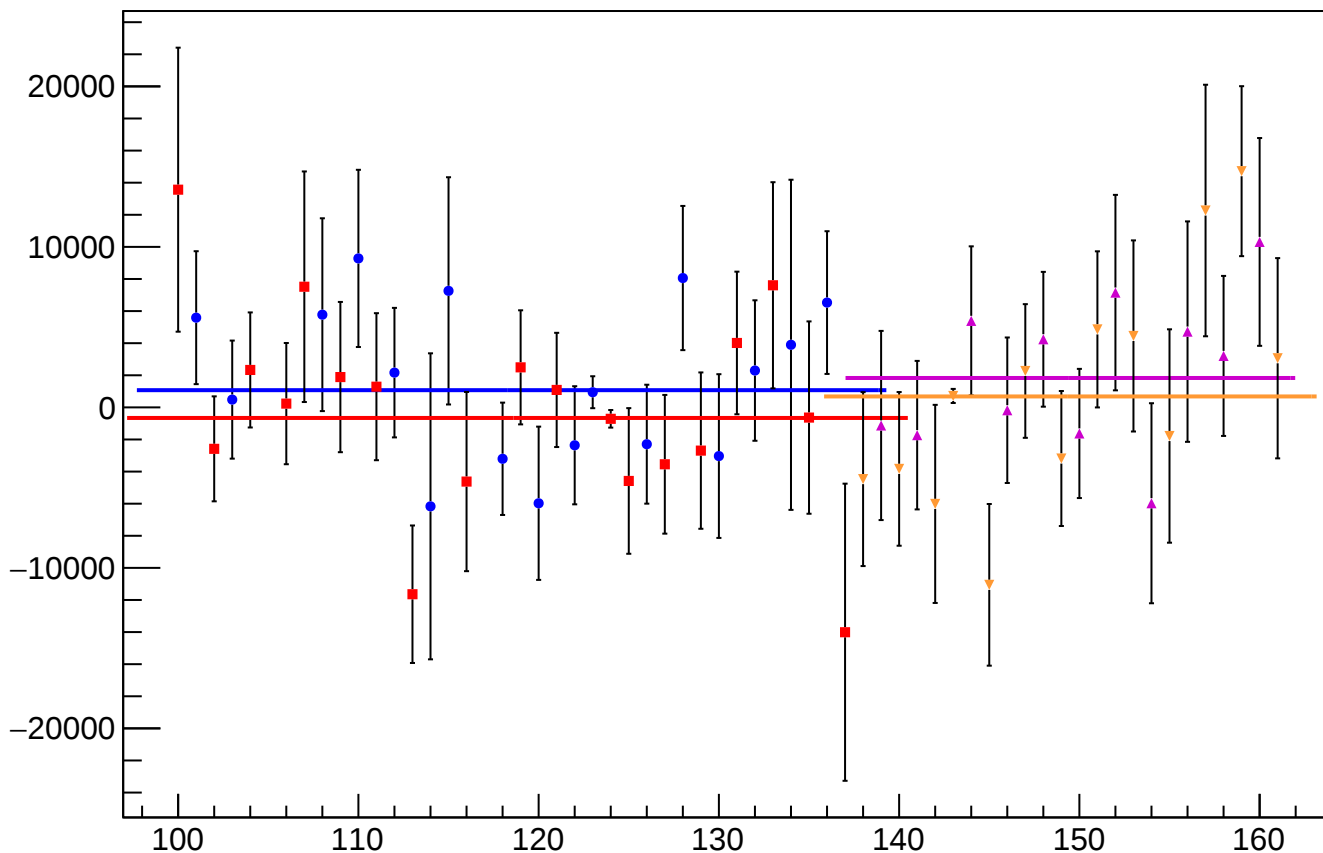
Right Out: 1759.990+/-0.479 χ^2 /NDF: 306154.6/18

Left In: 1966.596+/-0.465 χ^2 /NDF: 30609.9/10

1898.419+/-0.338 χ^2 /NDF: 1100996.4/29

1866.352+/-0.334 χ^2 /NDF: 432598.2/29

asym_atr1l2_dd_correction_mean vs Slug



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

Left Out: 681.274+/-421.847 χ^2/NDF : 20.0/12

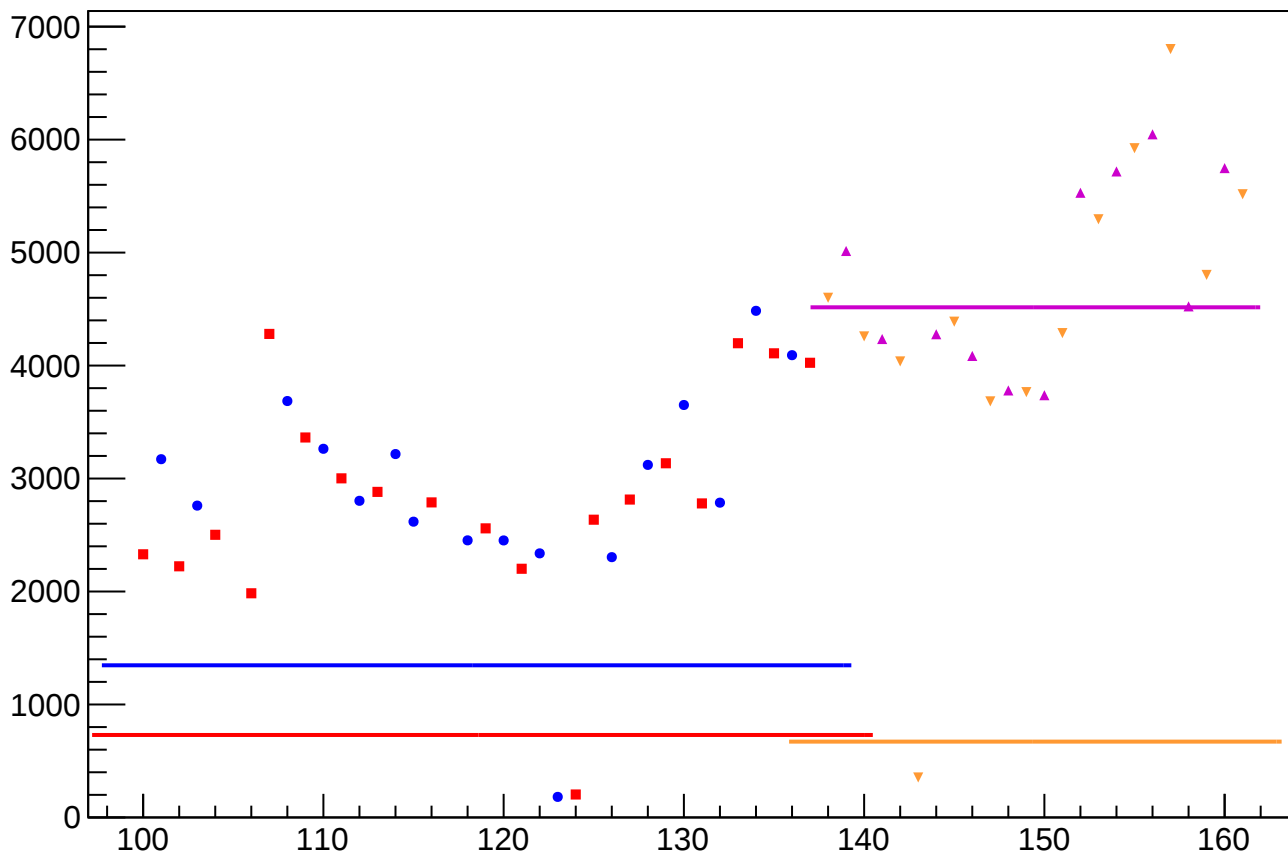
Right Out: -658.759+/-488.034 χ^2/NDF : 19.8/18

Left In: 1832.017+/-1530.351 χ^2/NDF : 7.0/10

774.792+/-367.945 χ^2/NDF : 35.8/29

-428.832+/-464.963 χ^2/NDF : 29.2/29

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 671.315+/-0.298 χ^2/NDF :14239927.2/12

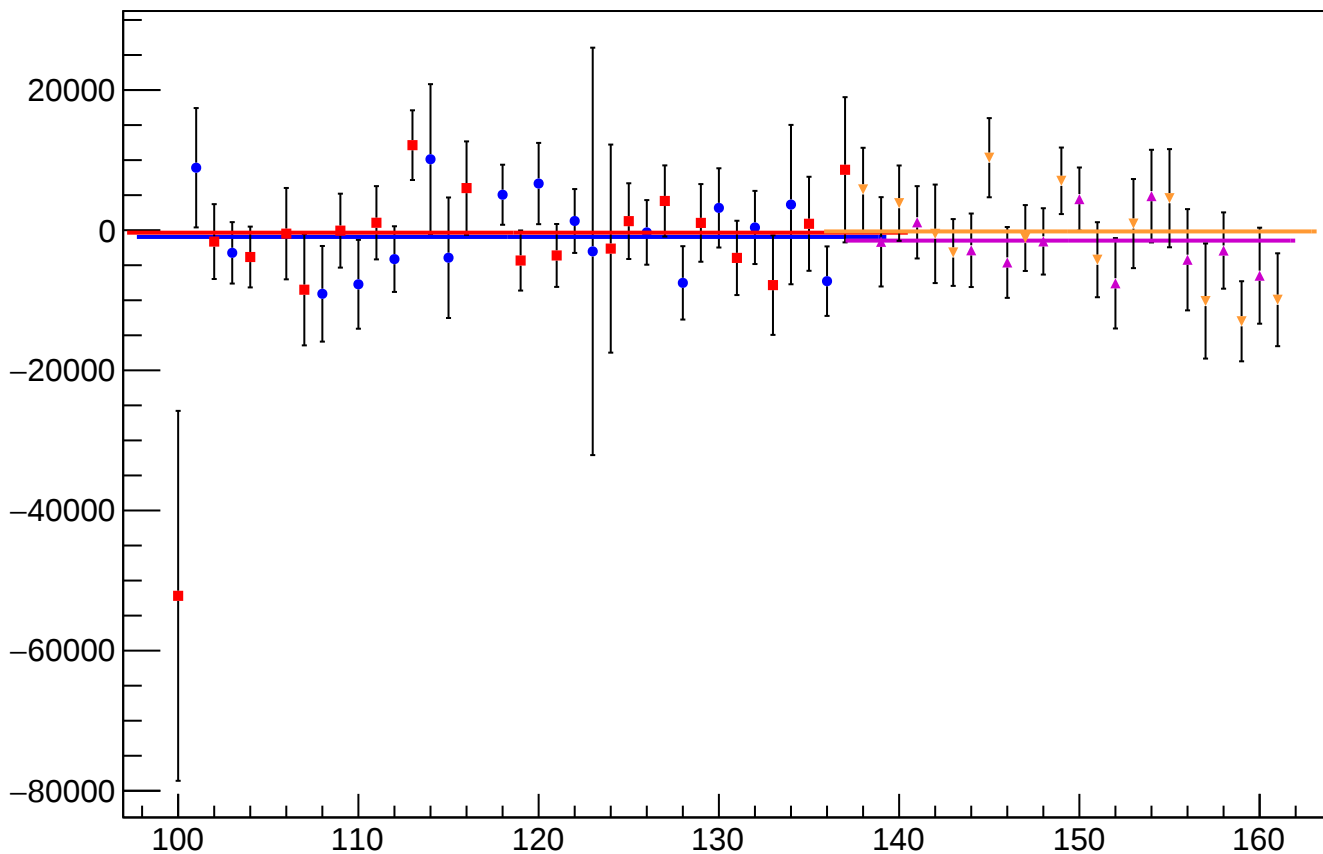
Right Out: 730.119+/-0.345 χ^2/NDF : 9503127.2/18

Left In: 4515.691+/-1.082 χ^2/NDF :482991.4/10

832.916+/-0.260 χ^2/NDF : 22305929.1/29

1079.570+/-0.329 χ^2/NDF : 21094417.2/29

asym_atr1l2_dd_mean vs Slug



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: -177.791+/-1588.440 χ^2/NDF : 17.5/12

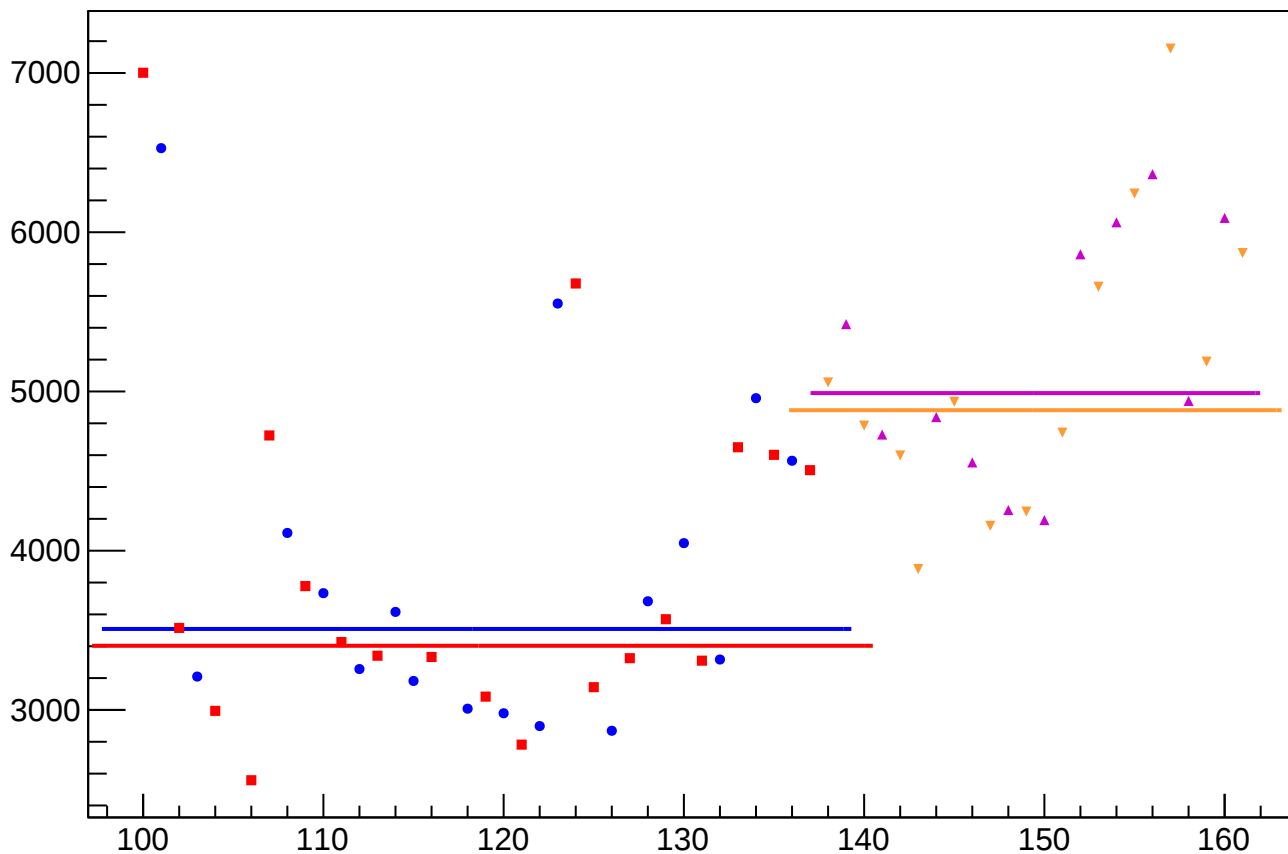
Right Out: -354.646+/-1329.760 χ^2/NDF : 17.6/18

Left In: -1487.075+/-1684.219 χ^2/NDF : 5.0/10

-621.570+/-1048.435 χ^2/NDF : 31.4/29

-789.498+/-1043.672 χ^2/NDF : 22.9/29

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4882.284+/-1.123 χ^2/NDF : 486726.8/12

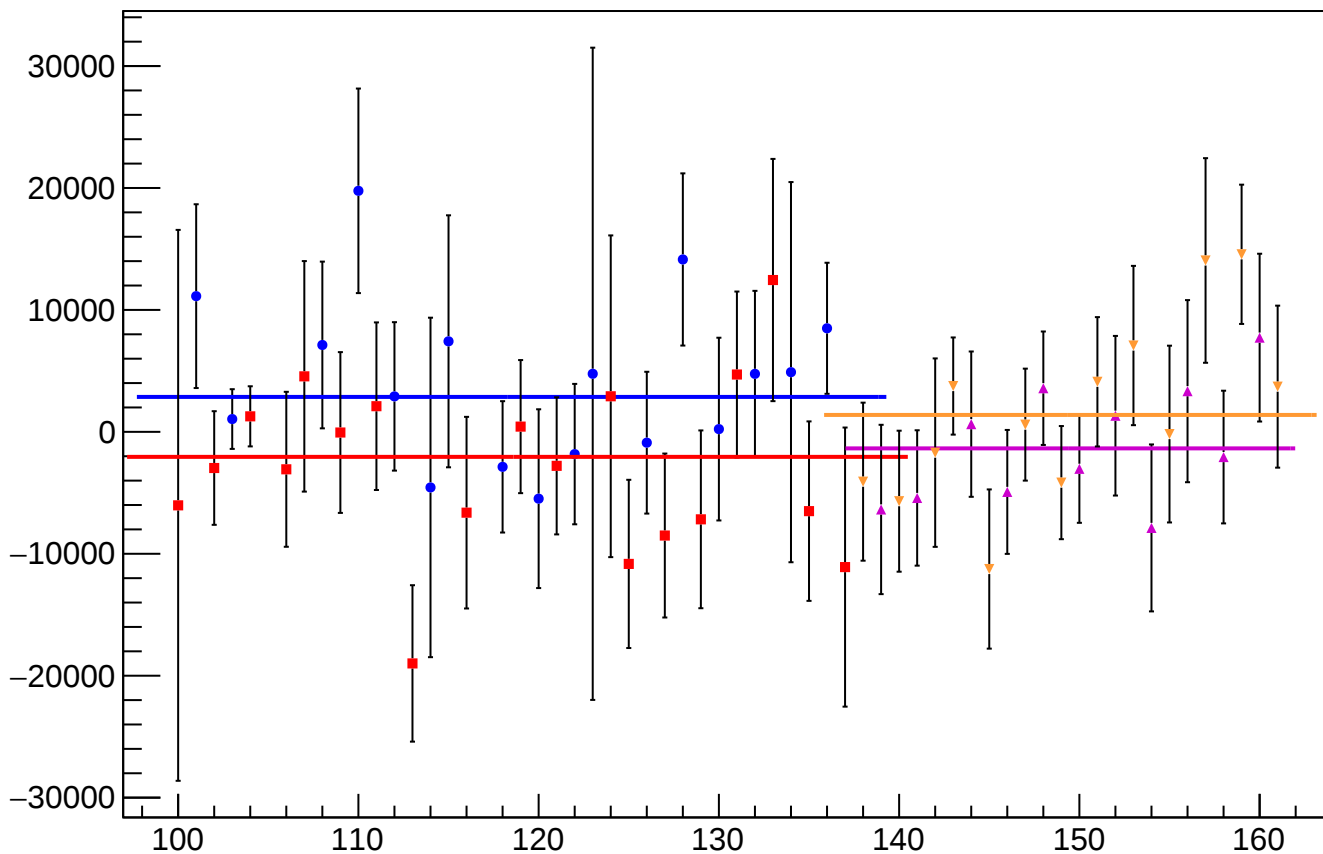
Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

Left In: 4989.875+/-1.191 χ^2/NDF : 354758.2/10

4106.981+/-0.741 χ^2/NDF : 1893199.2/29

4002.536+/-0.732 χ^2/NDF : 1888089.7/29

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 1387.167+/-1588.420 χ^2/NDF : 16.7/12

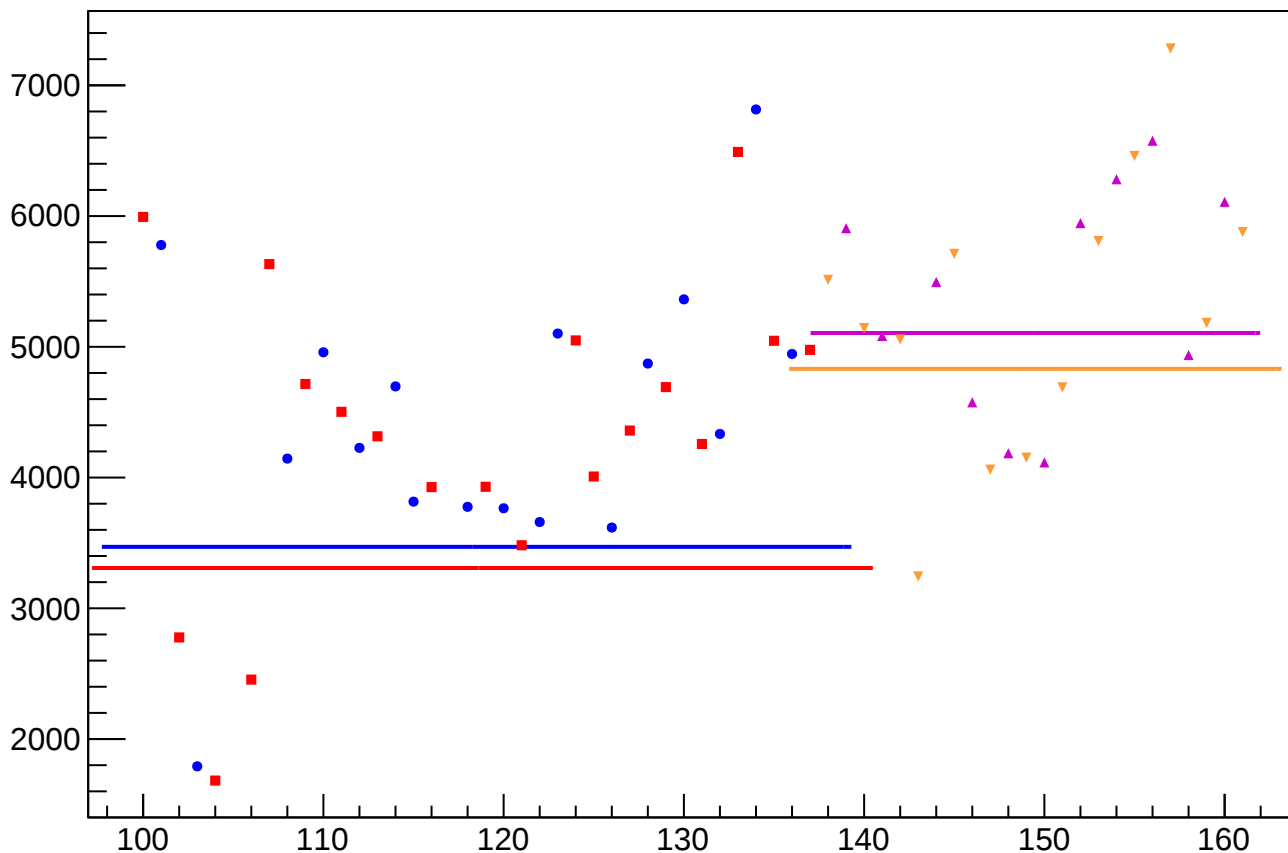
Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: -1356.464+/-1728.485 χ^2/NDF : 6.2/10

2191.802+/-1071.973 χ^2/NDF : 31.3/29

-1780.380+/-1079.199 χ^2/NDF : 23.9/29

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 4831.484 $\pm$ 1.123 χ^2 /NDF: 857563.3/12

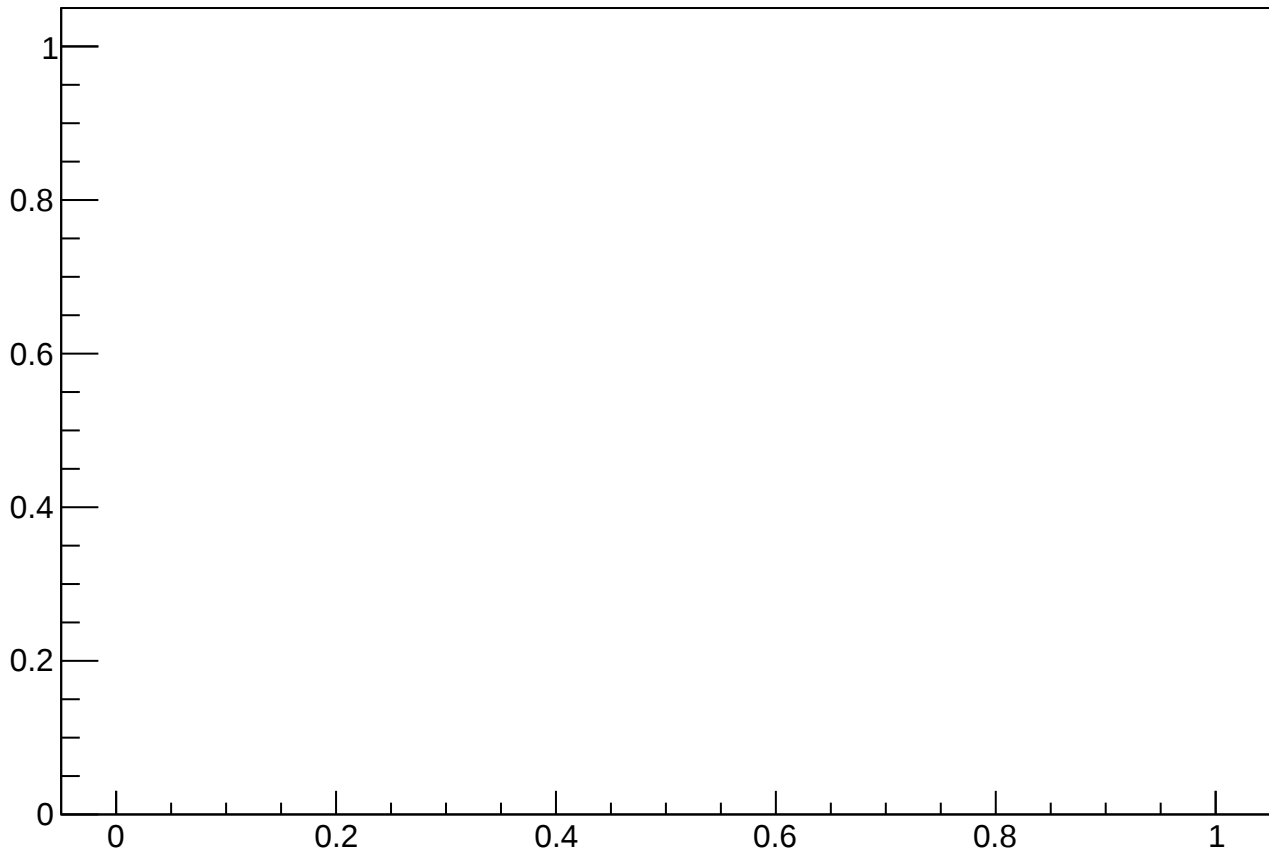
Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5105.691 $\pm$ 1.222 χ^2 /NDF: 449006.6/10

4090.089 $\pm$ 0.758 χ^2 /NDF: 3418530.8/29

4001.105 $\pm$ 0.759 χ^2 /NDF: 3688880.2/29

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

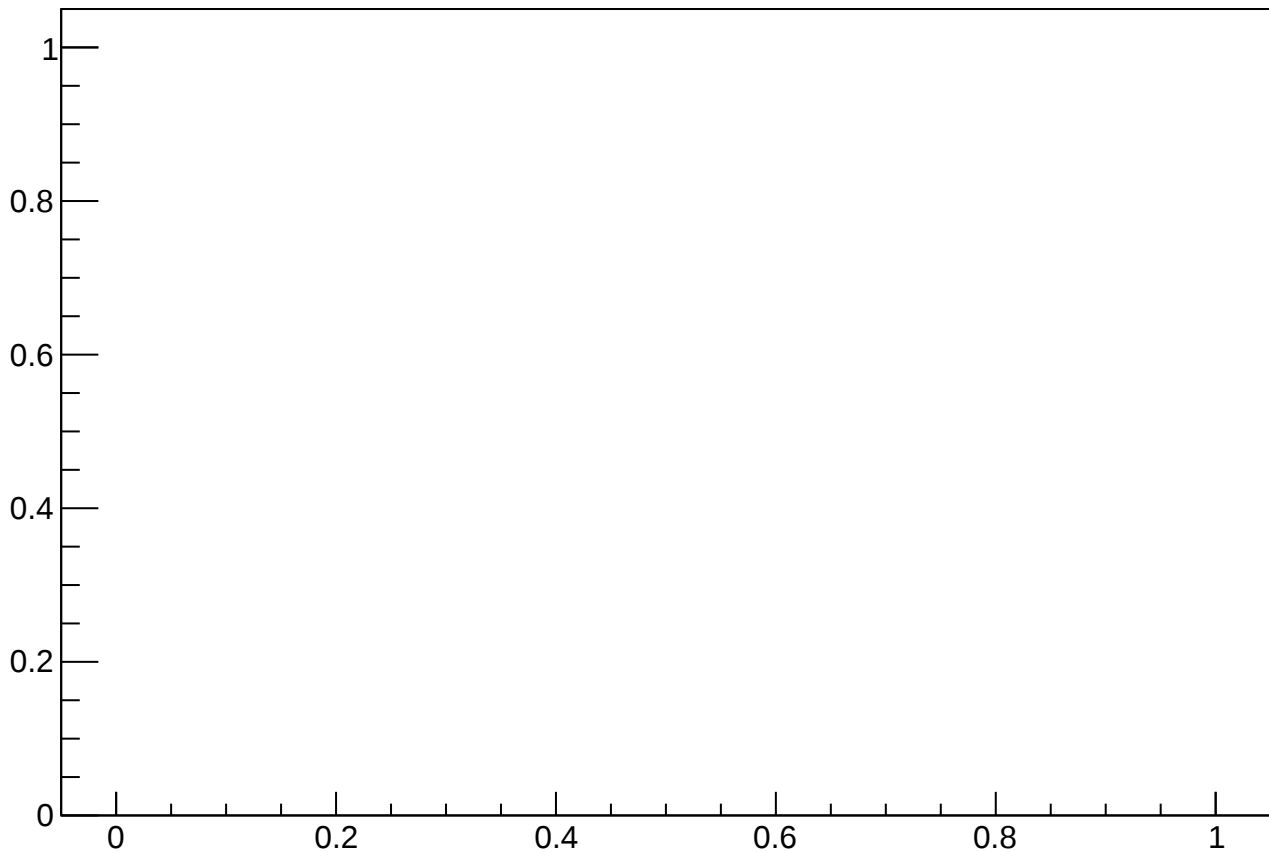
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

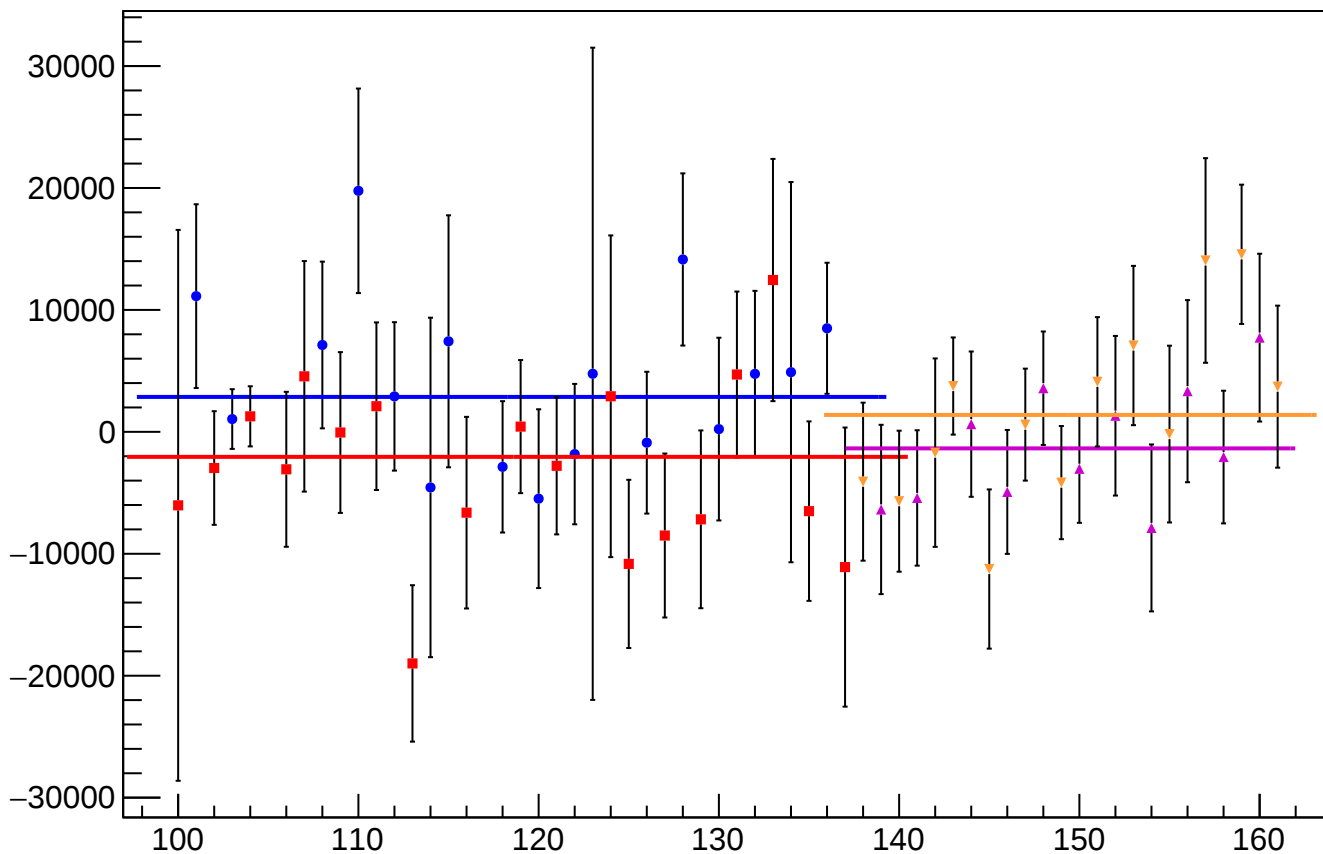
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 1387.167+/-1588.420 χ^2/NDF : 16.7/12

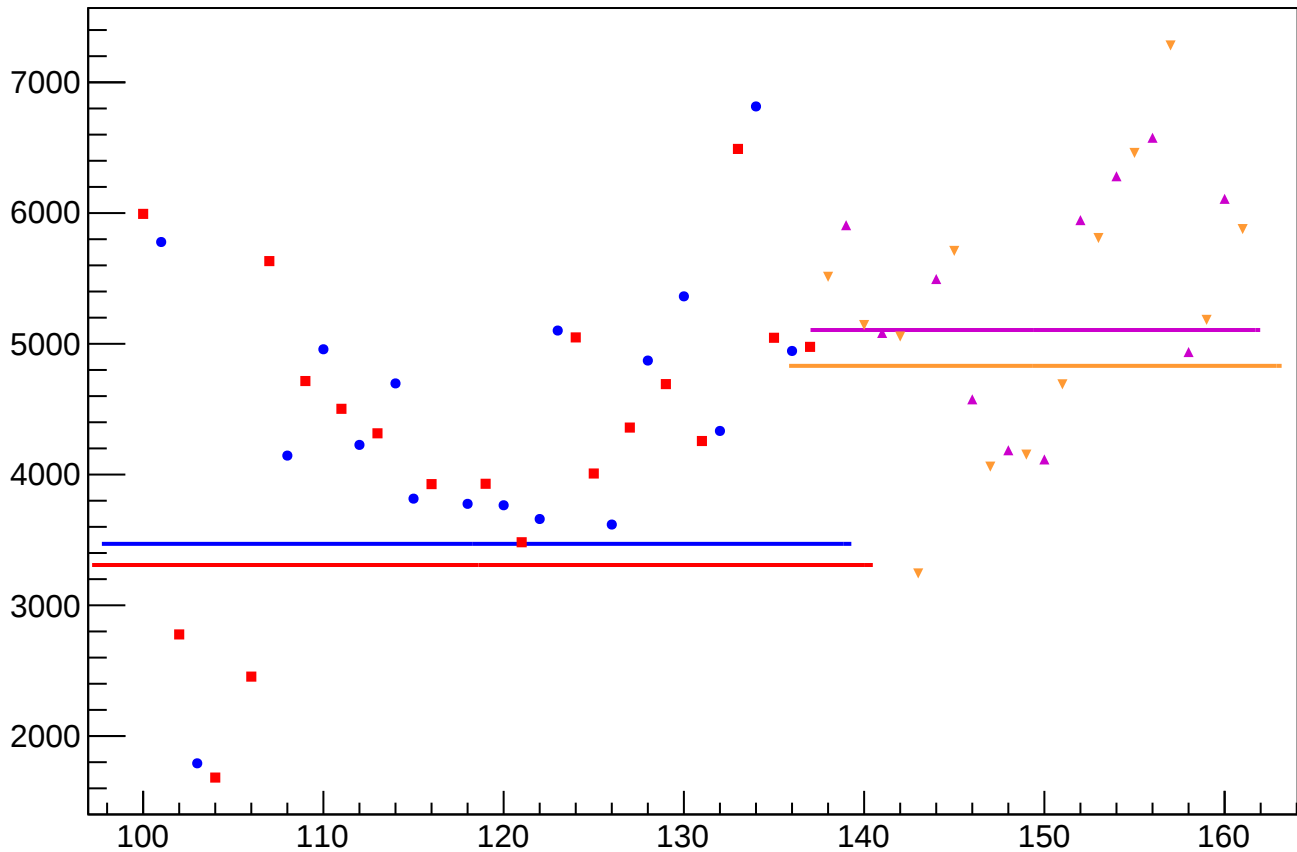
Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: -1356.464+/-1728.485 χ^2/NDF : 6.2/10

2191.802+/-1071.973 χ^2/NDF : 31.3/29

-1780.380+/-1079.199 χ^2/NDF : 23.9/29

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 ± 1.027 $\chi^2/\text{NDF}: 1760860.6/16$

Left Out: 4831.484 ± 1.123 $\chi^2/\text{NDF}: 857563.3/12$

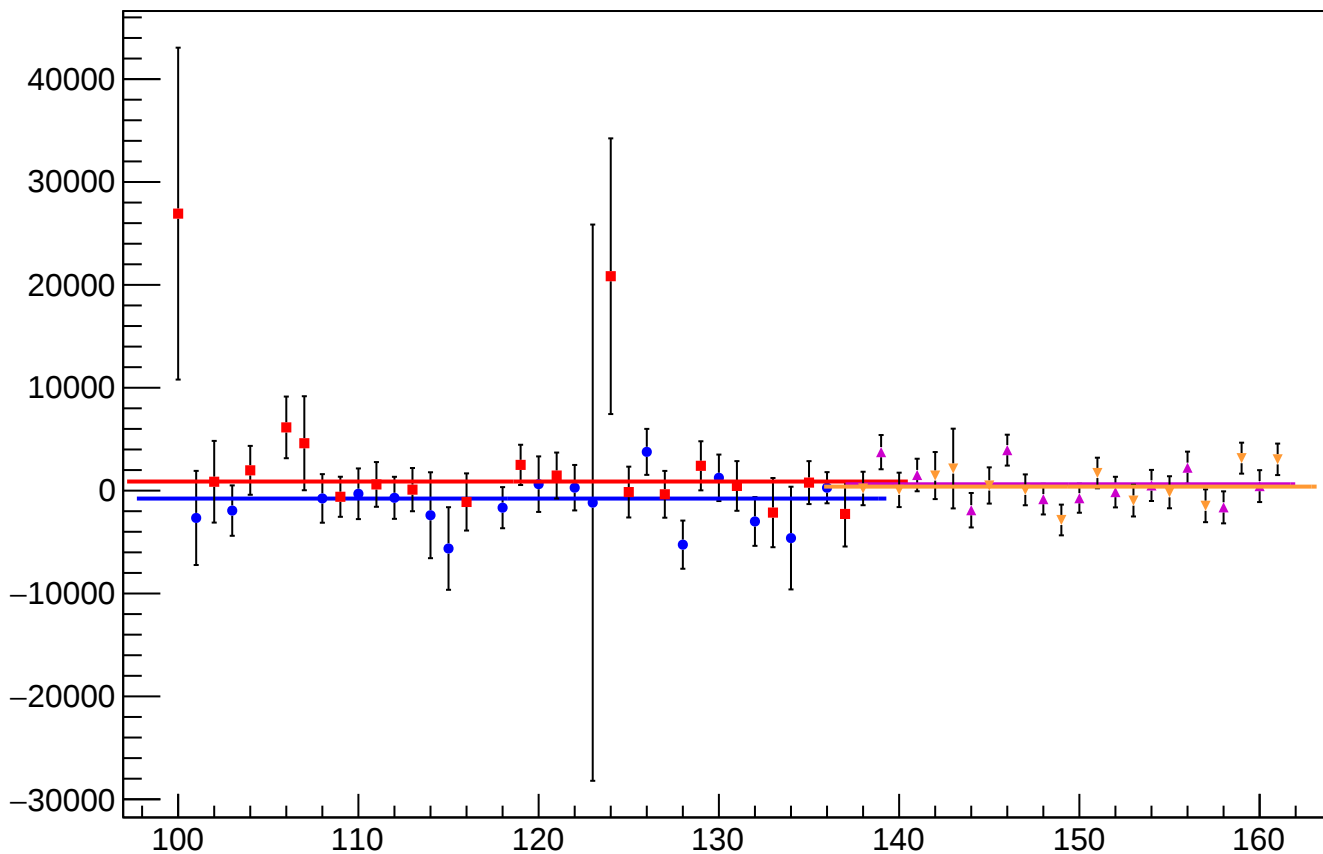
Right Out: 3308.243 ± 0.968 $\chi^2/\text{NDF}: 1910782.0/18$

Left In: 5105.691 ± 1.222 $\chi^2/\text{NDF}: 449006.6/10$

4090.089 ± 0.758 $\chi^2/\text{NDF}: 3418530.8/29$

4001.105 ± 0.759 $\chi^2/\text{NDF}: 3688880.2/29$

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153 ± 603.689 χ^2/NDF : 13.3/16

Left Out: 390.975 ± 458.617 χ^2/NDF : 14.7/12

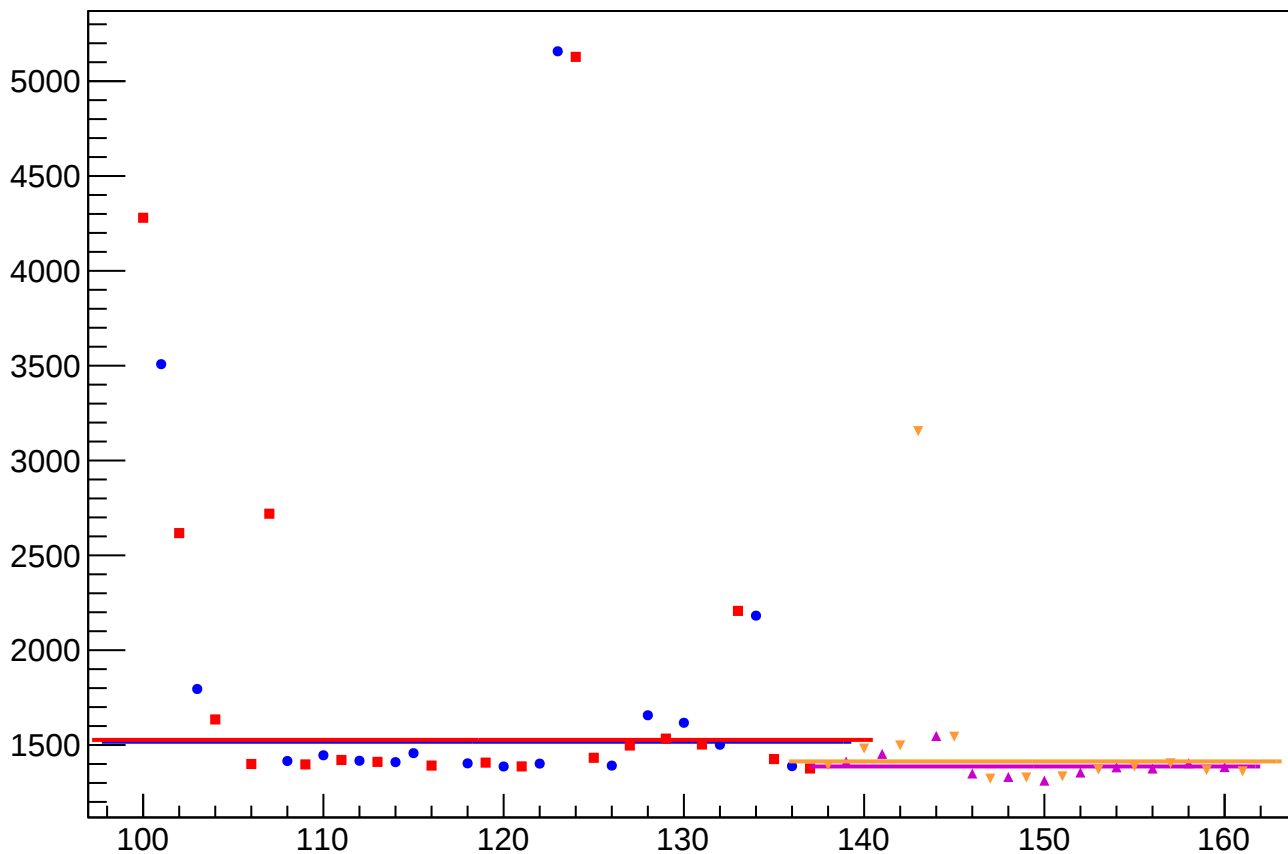
Right Out: 885.145 ± 595.053 χ^2/NDF : 13.5/18

Left In: 616.521 ± 464.108 χ^2/NDF : 16.3/10

-34.290 ± 365.188 χ^2/NDF : 30.3/29

718.123 ± 365.960 χ^2/NDF : 29.9/29

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334 ± 0.427 $\chi^2/\text{NDF}: 536662.7/16$

Left Out: 1413.574 ± 0.324 $\chi^2/\text{NDF}: 446879.2/12$

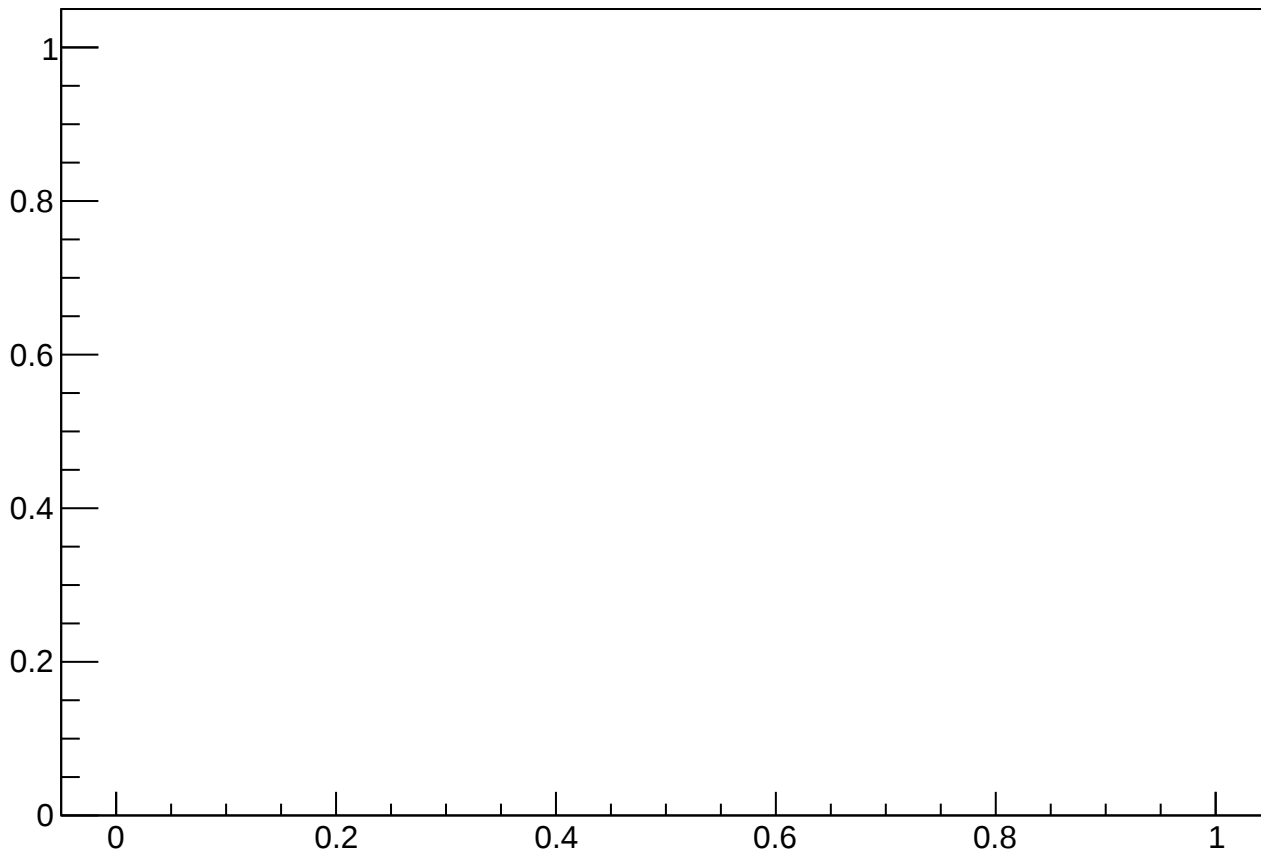
Right Out: 1527.005 ± 0.421 $\chi^2/\text{NDF}: 631684.2/18$

Left In: 1386.847 ± 0.328 $\chi^2/\text{NDF}: 33290.8/10$

1451.543 ± 0.258 $\chi^2/\text{NDF}: 1021005.0/29$

1439.860 ± 0.259 $\chi^2/\text{NDF}: 733965.2/29$

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



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

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

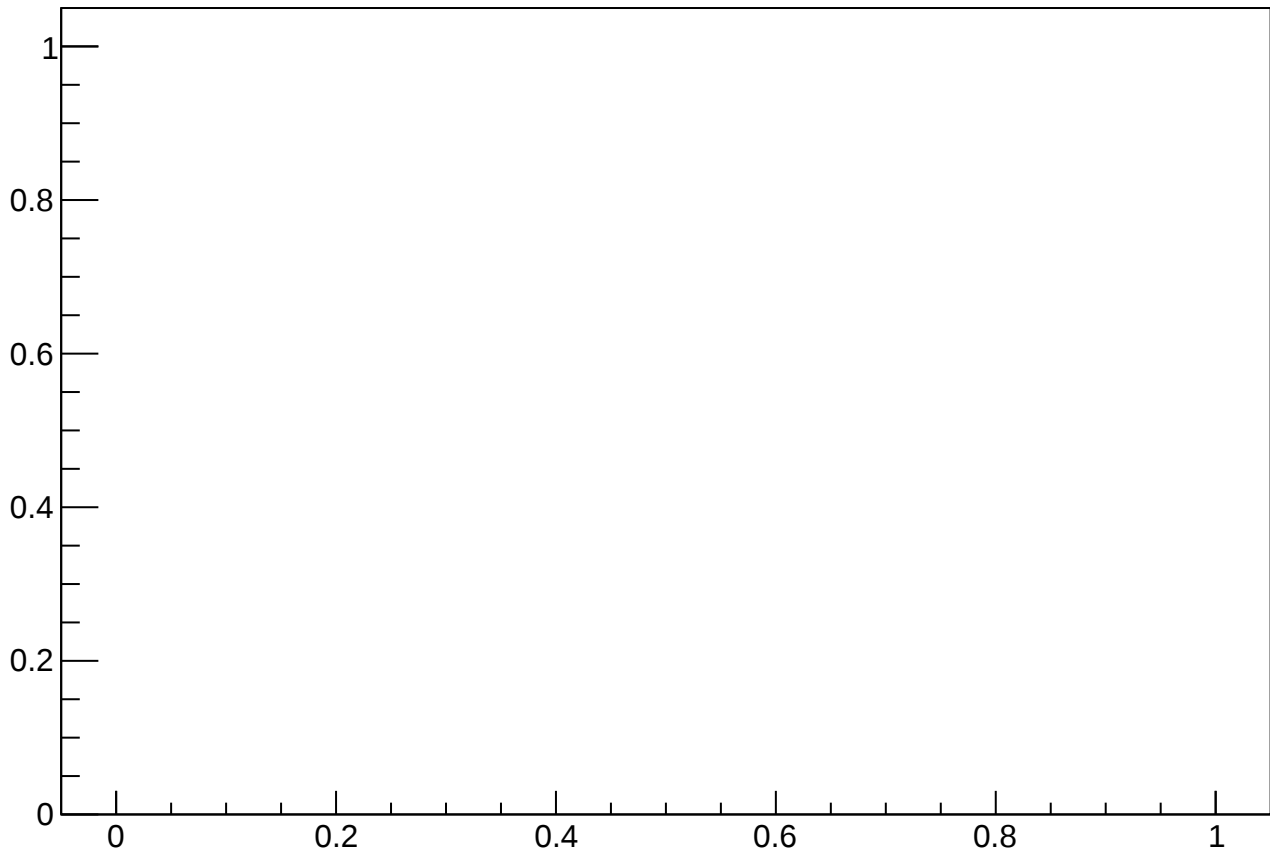
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

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_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

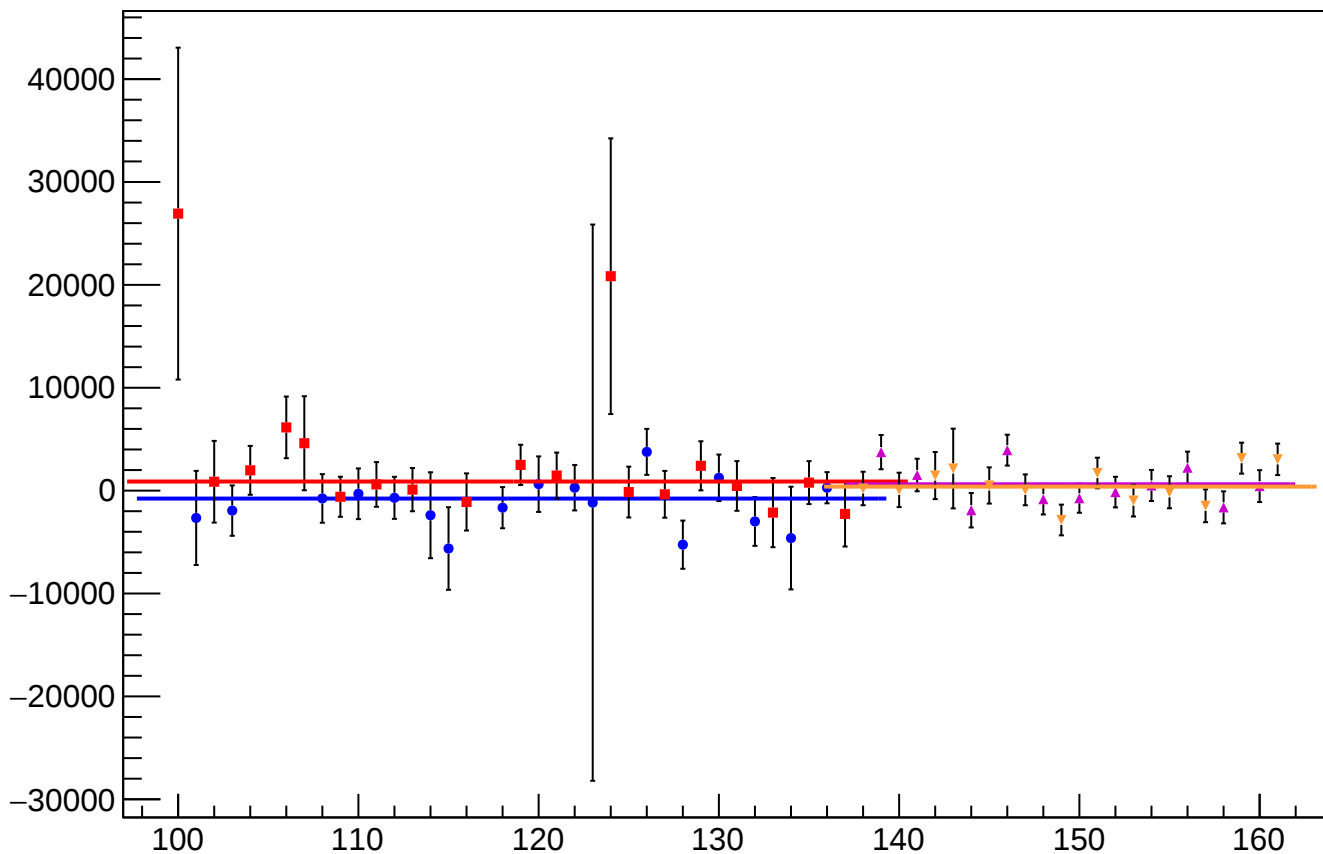
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 390.975+/-458.617 χ^2/NDF : 14.7/12

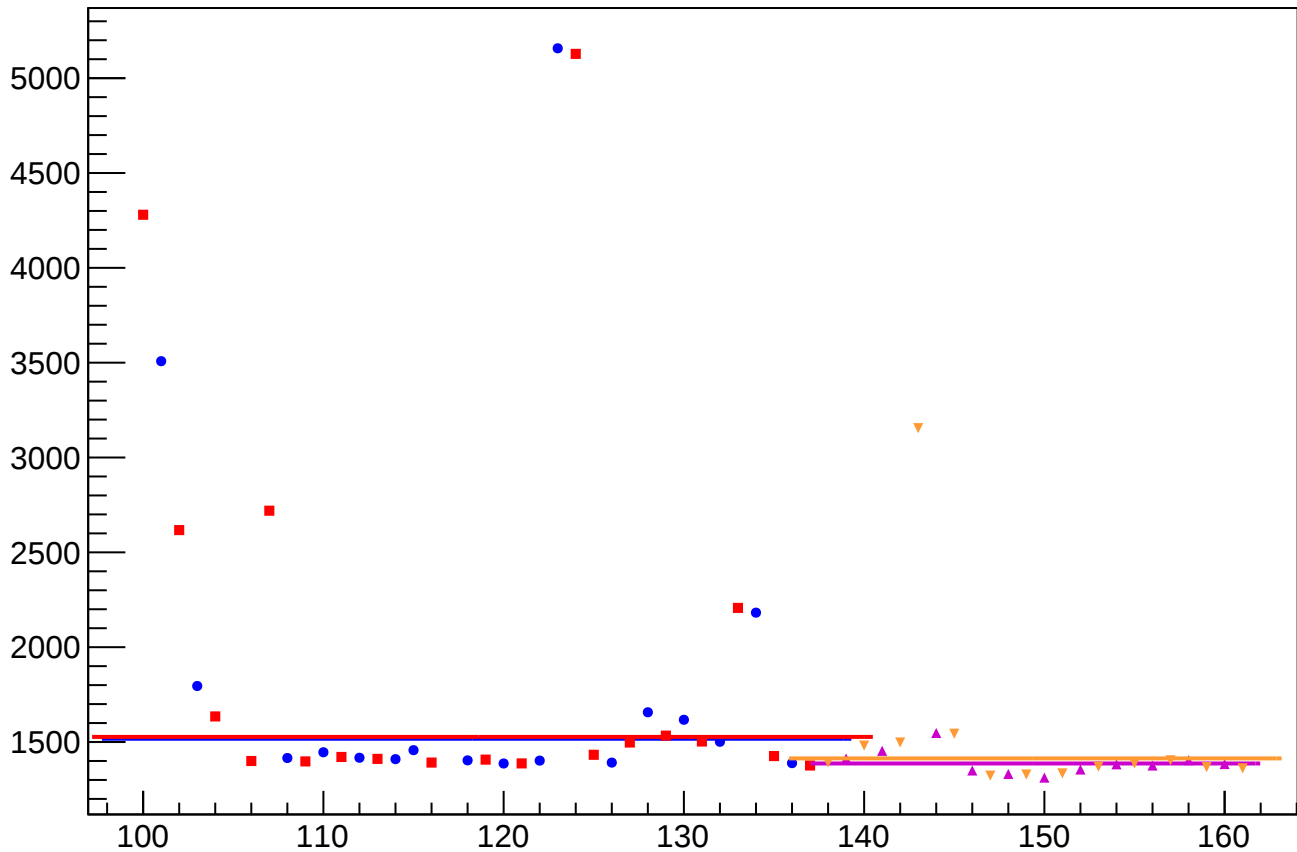
Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: 616.521+/-464.108 χ^2/NDF : 16.3/10

-34.290+/-365.188 χ^2/NDF : 30.3/29

718.123+/-365.960 χ^2/NDF : 29.9/29

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334 ± 0.427 χ^2/NDF : 536662.7/16

Left Out: 1413.574 ± 0.324 χ^2/NDF : 446879.2/12

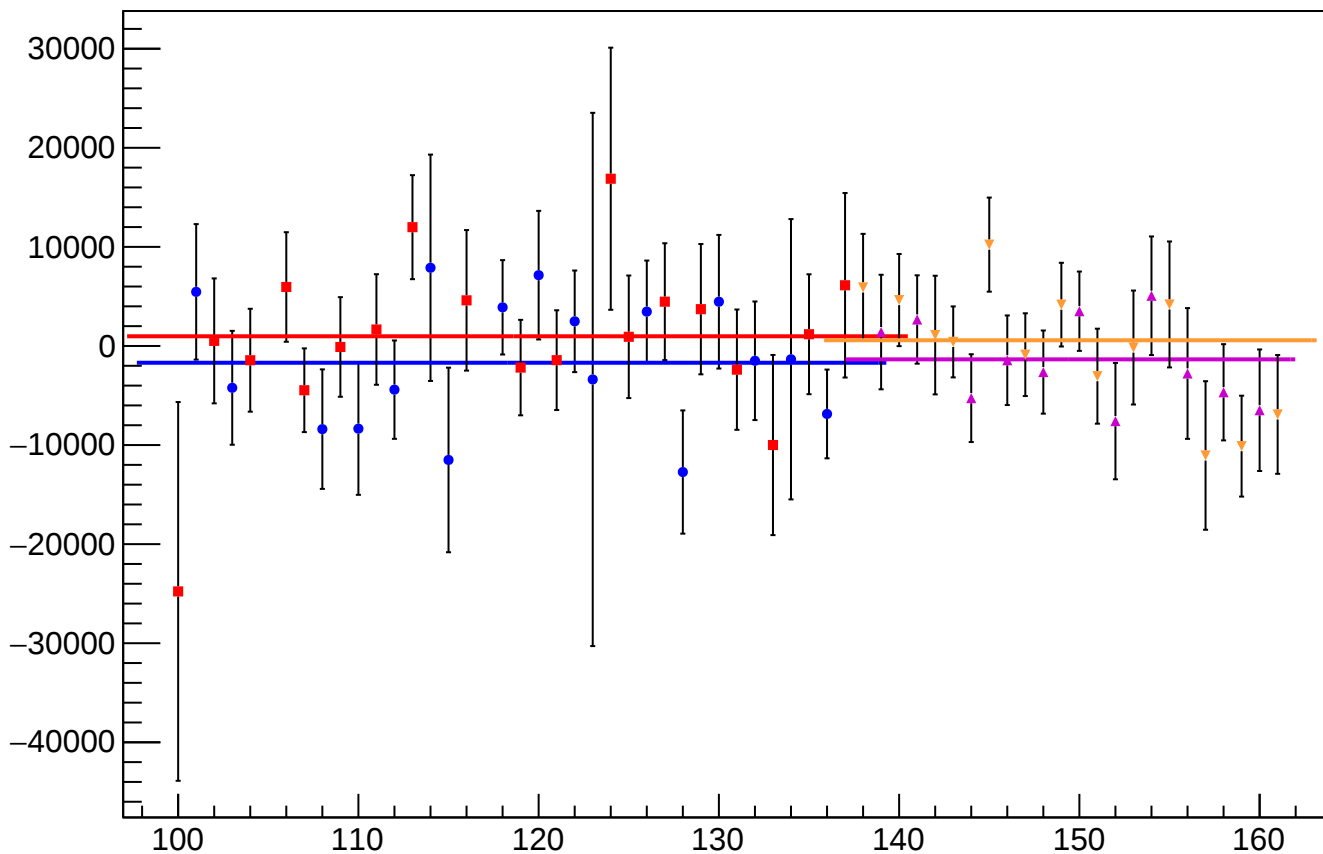
Right Out: 1527.005 ± 0.421 χ^2/NDF : 631684.2/18

Left In: 1386.847 ± 0.328 χ^2/NDF : 33290.8/10

1451.543 ± 0.258 χ^2/NDF : 1021005.0/29

1439.860 ± 0.259 χ^2/NDF : 733965.2/29

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 576.712 ± 1377.820 χ^2/NDF : 16.0/12

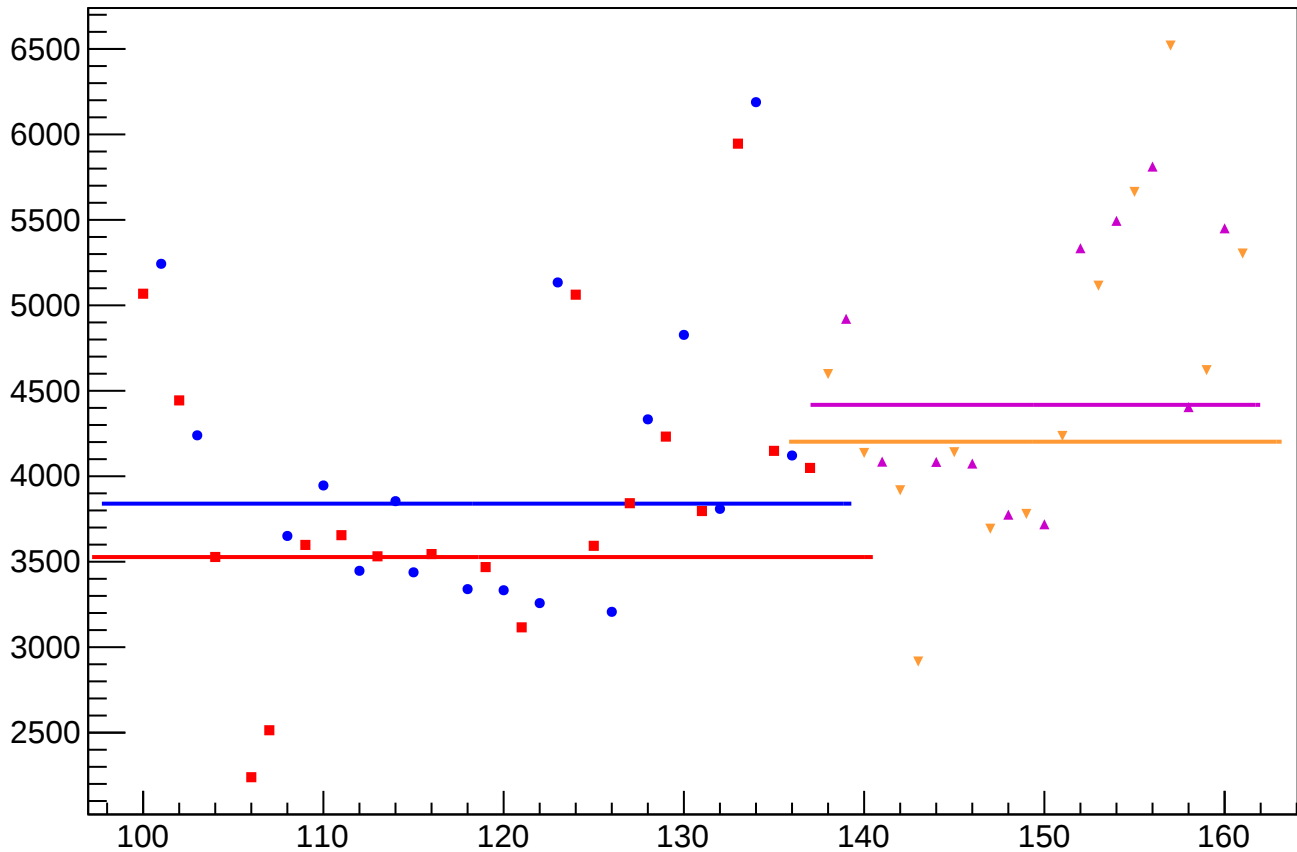
Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

Left In: -1351.917 ± 1493.827 χ^2/NDF : 6.9/10

-452.108 ± 1018.691 χ^2/NDF : 33.1/29

-93.929 ± 1013.216 χ^2/NDF : 22.1/29

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751 ± 1.070 $\chi^2/\text{NDF}: 325959.2/16$

Left Out: 4202.259 ± 0.974 $\chi^2/\text{NDF}: 751928.6/12$

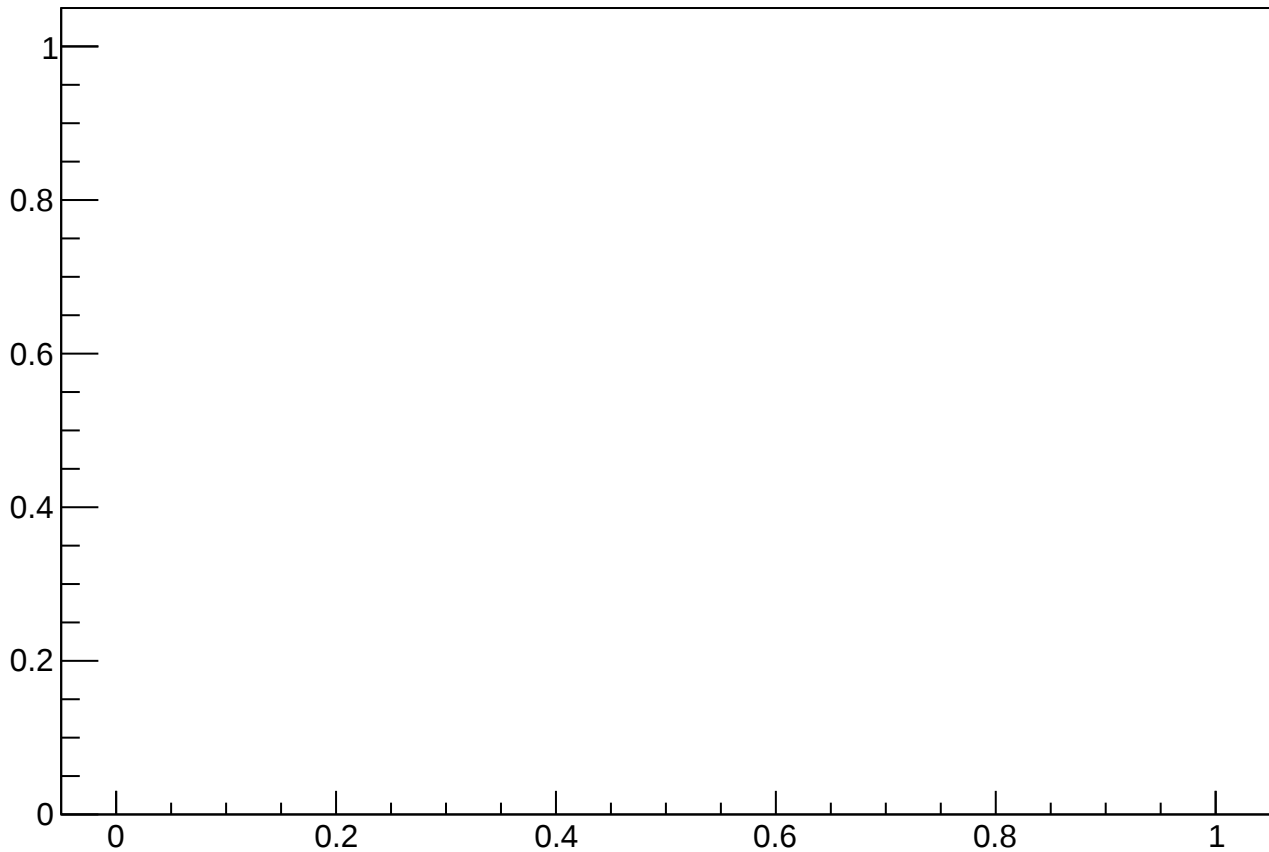
Right Out: 3527.320 ± 0.966 $\chi^2/\text{NDF}: 554785.4/18$

Left In: 4417.815 ± 1.056 $\chi^2/\text{NDF}: 416288.3/10$

4037.907 ± 0.720 $\chi^2/\text{NDF}: 1140655.7/29$

3932.954 ± 0.713 $\chi^2/\text{NDF}: 1358044.7/29$

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



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

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

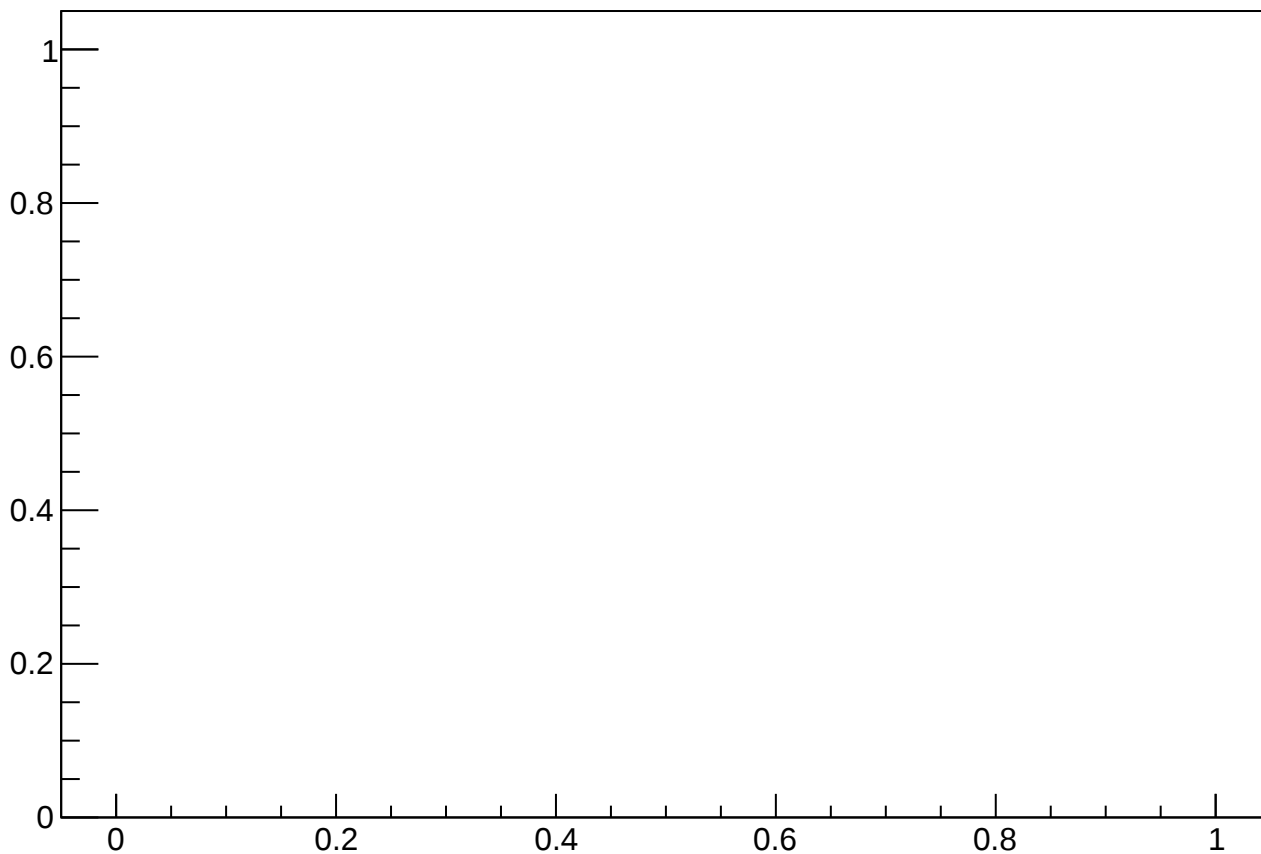
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

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_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

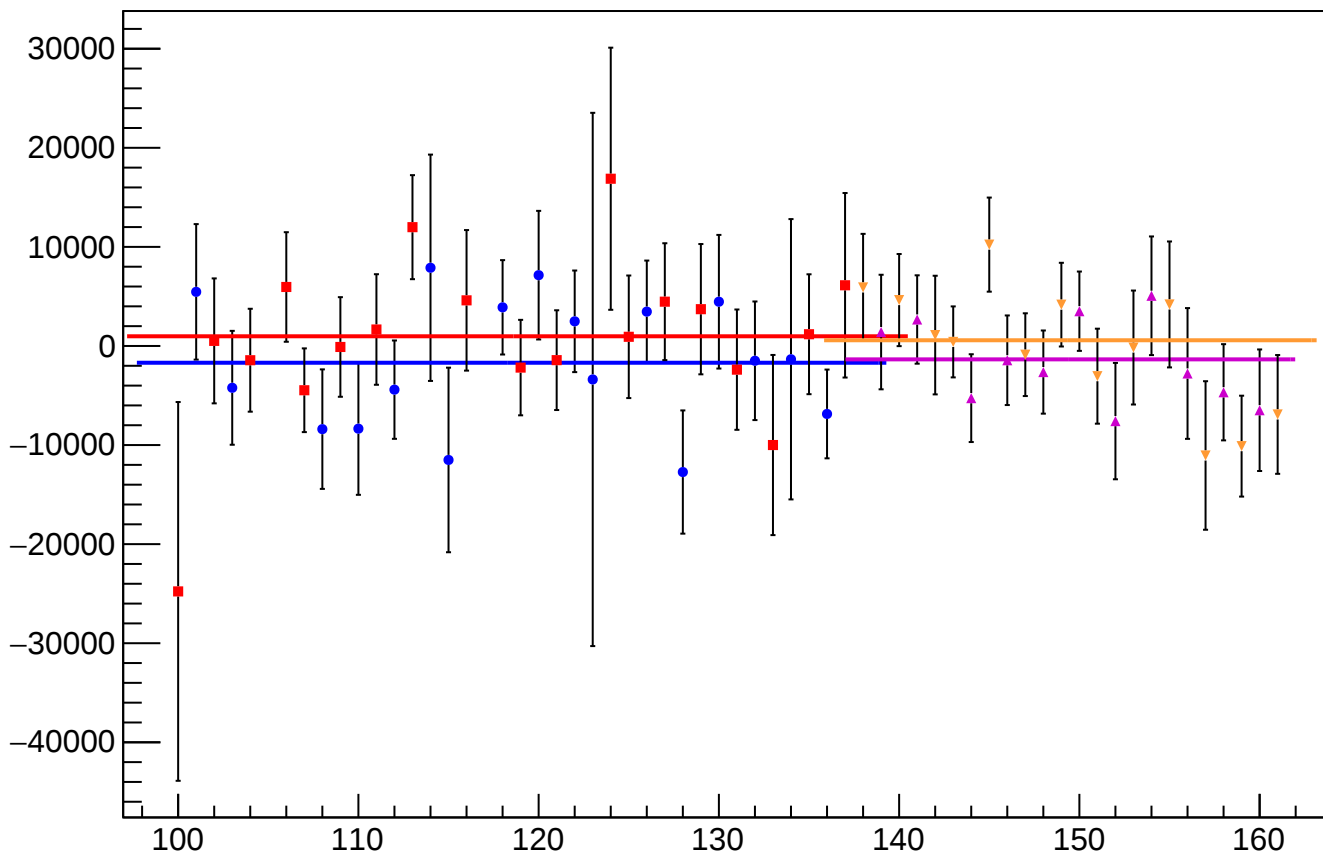
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 576.712 ± 1377.820 χ^2/NDF : 16.0/12

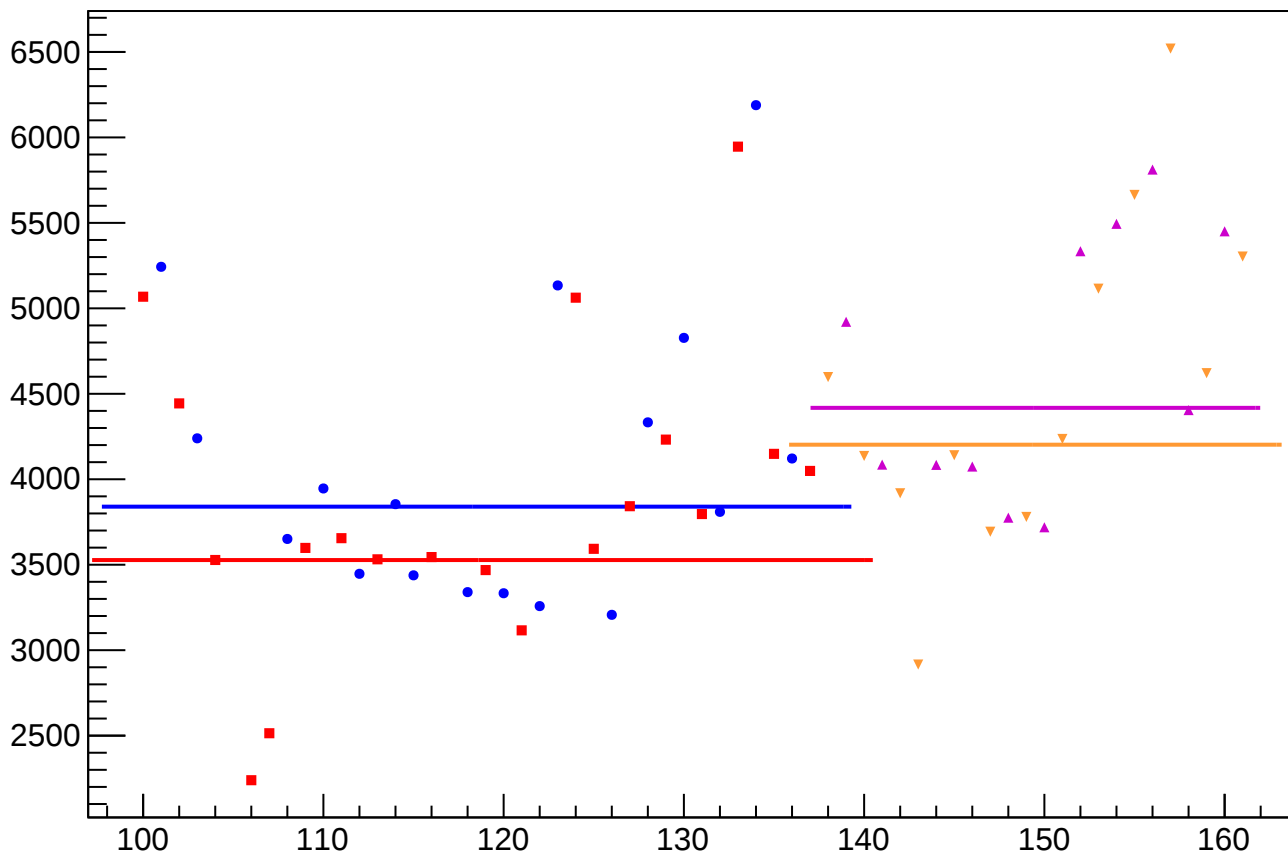
Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

Left In: -1351.917 ± 1493.827 χ^2/NDF : 6.9/10

-452.108 ± 1018.691 χ^2/NDF : 33.1/29

-93.929 ± 1013.216 χ^2/NDF : 22.1/29

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4202.259+/-0.974 χ^2/NDF : 751928.6/12

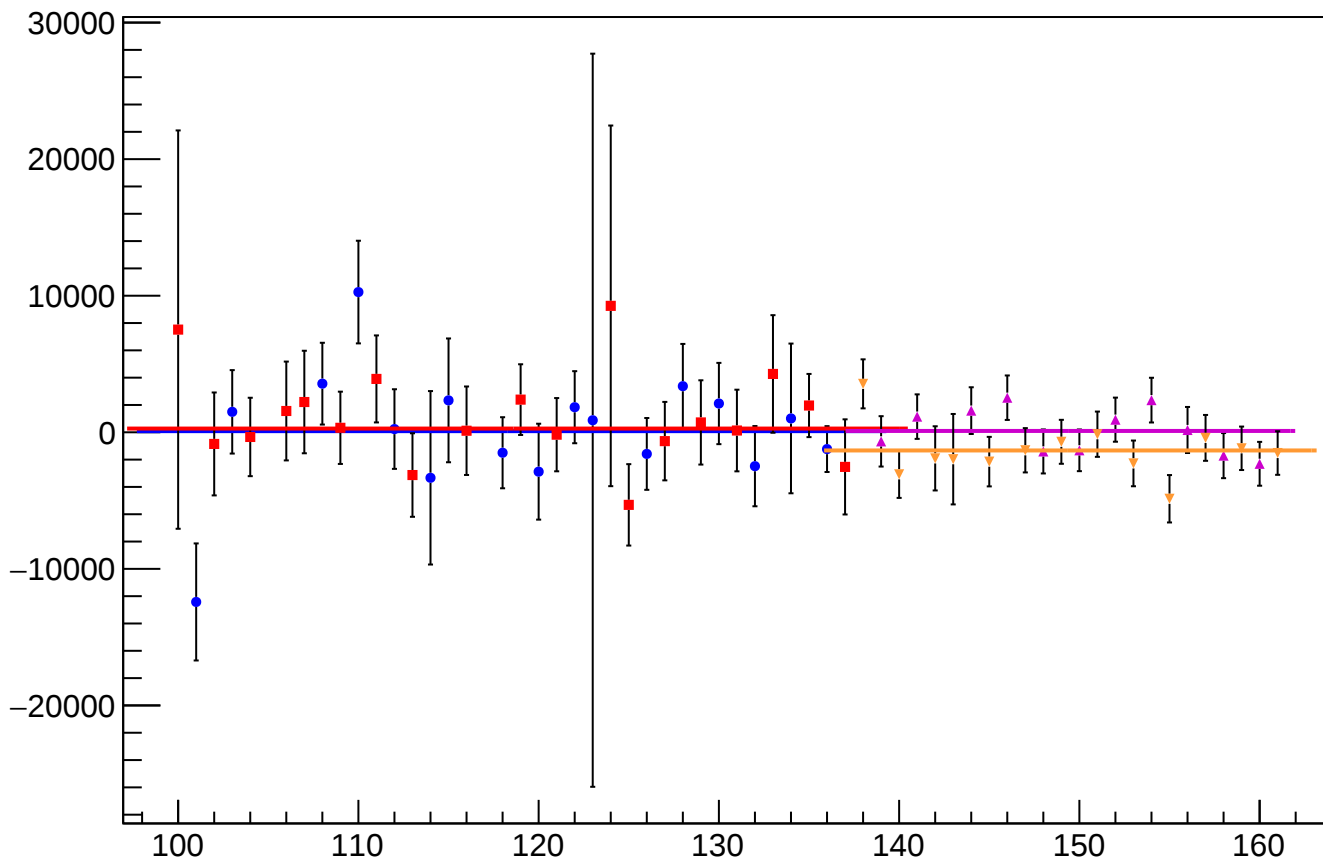
Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4417.815+/-1.056 χ^2/NDF : 416288.3/10

4037.907+/-0.720 χ^2/NDF : 1140655.7/29

3932.954+/-0.713 χ^2/NDF : 1358044.7/29

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 ± 750.549 χ^2/NDF : 22.9/16

Left Out: -1330.057 ± 488.890 χ^2/NDF : 14.2/12

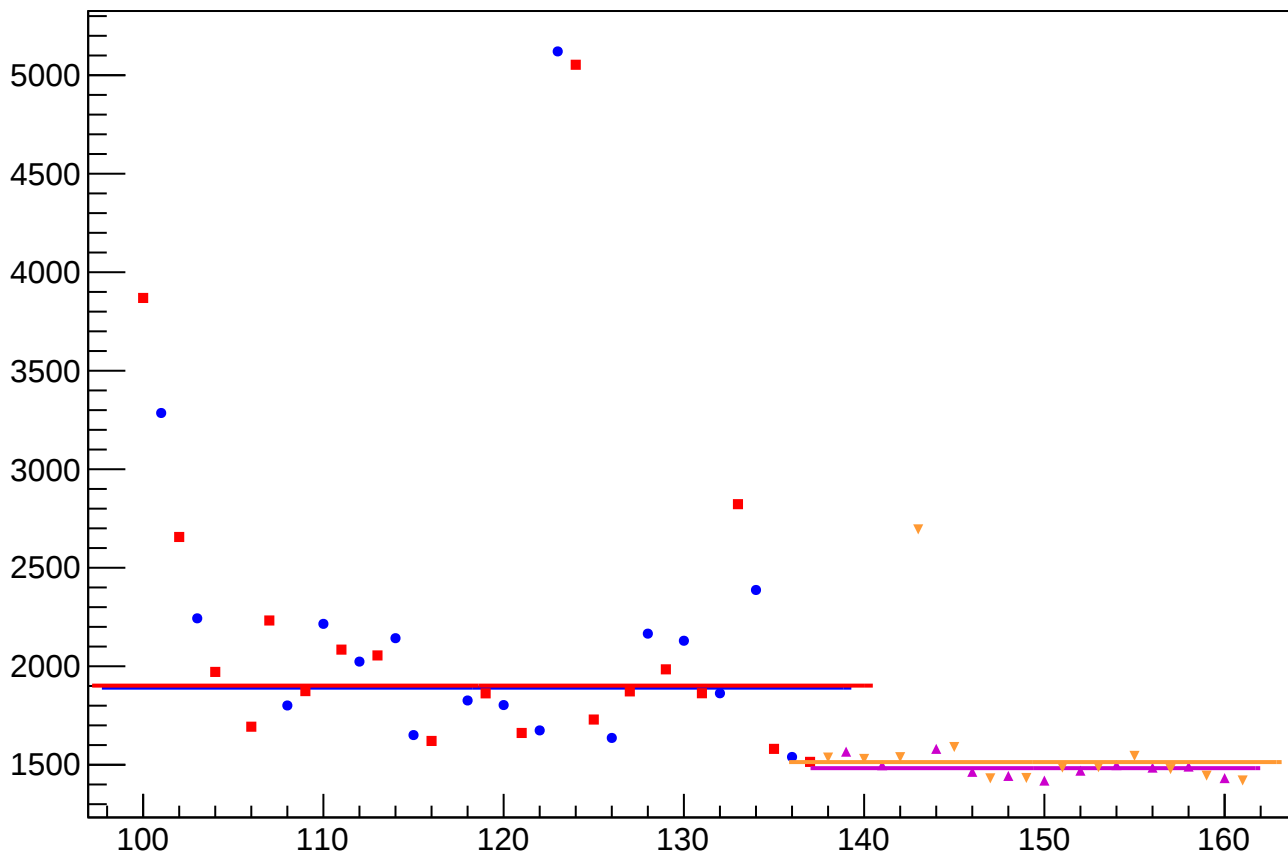
Right Out: 272.707 ± 734.115 χ^2/NDF : 10.2/18

Left In: 98.361 ± 495.875 χ^2/NDF : 10.9/10

-908.856 ± 409.649 χ^2/NDF : 39.6/29

152.986 ± 410.915 χ^2/NDF : 21.1/29

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 ± 0.531 $\chi^2/\text{NDF}: 464497.5/16$

Left Out: 1513.689 ± 0.346 $\chi^2/\text{NDF}: 282106.4/12$

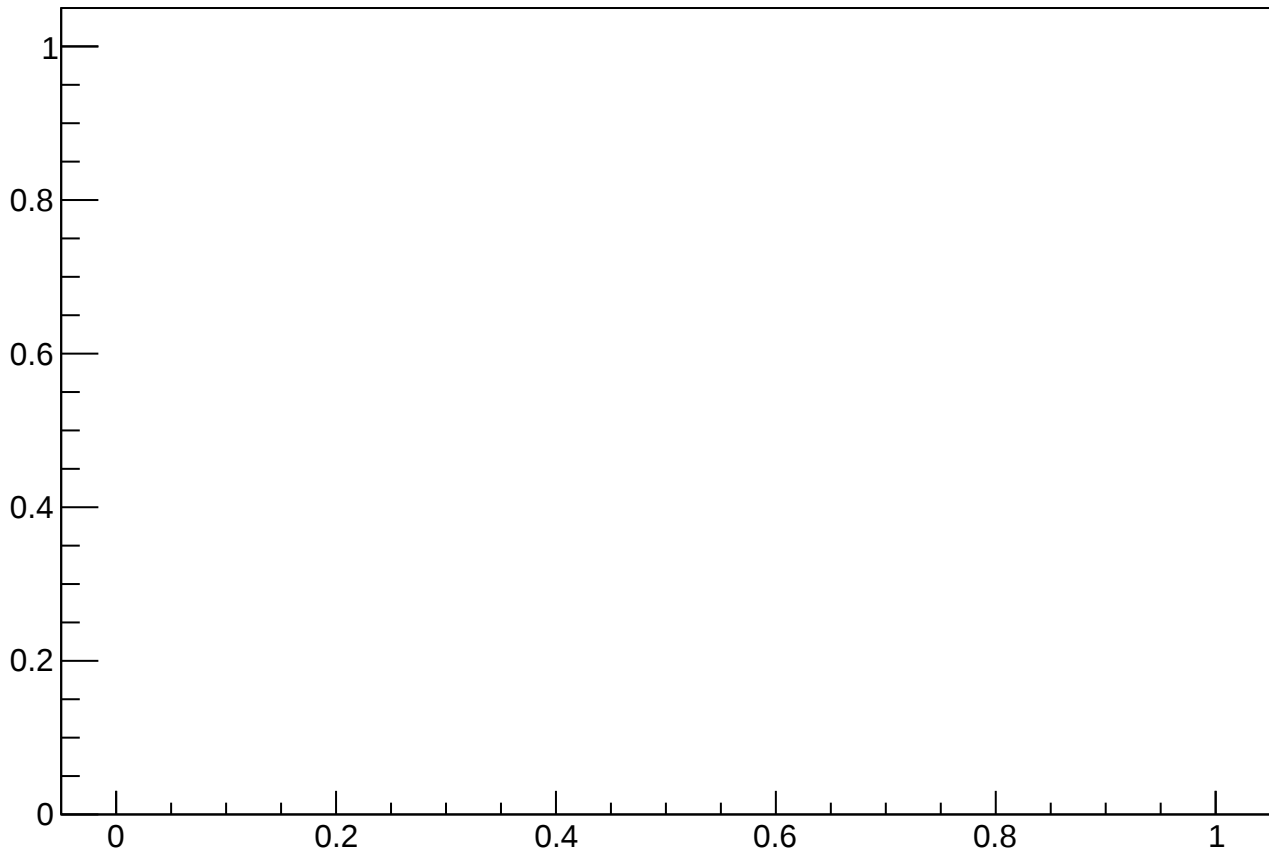
Right Out: 1901.797 ± 0.519 $\chi^2/\text{NDF}: 460687.3/18$

Left In: 1482.804 ± 0.351 $\chi^2/\text{NDF}: 18056.6/10$

1626.237 ± 0.290 $\chi^2/\text{NDF}: 1102404.9/29$

1614.082 ± 0.291 $\chi^2/\text{NDF}: 926132.7/29$

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

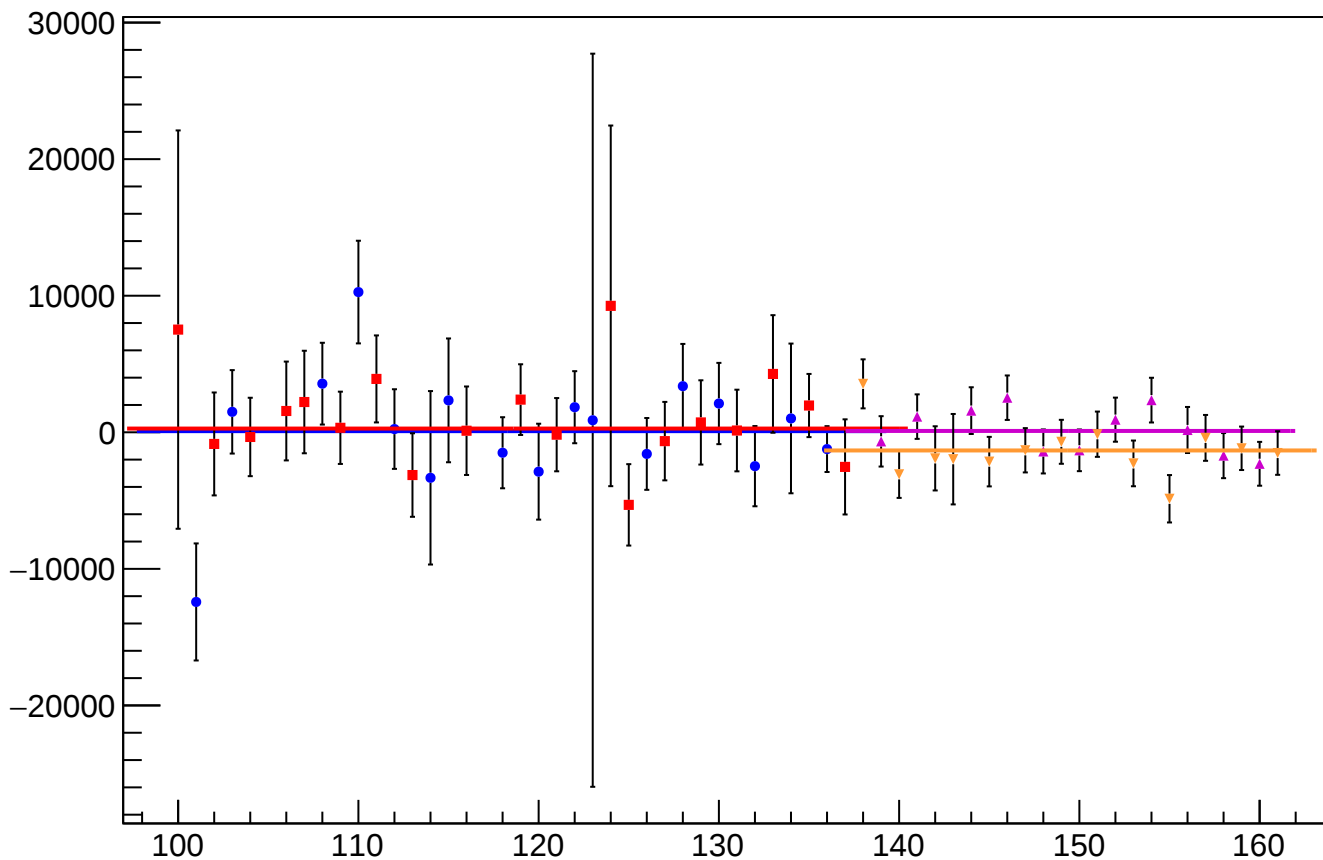
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -1330.057 $\pm$ 488.890 χ^2 /NDF:14.2/12

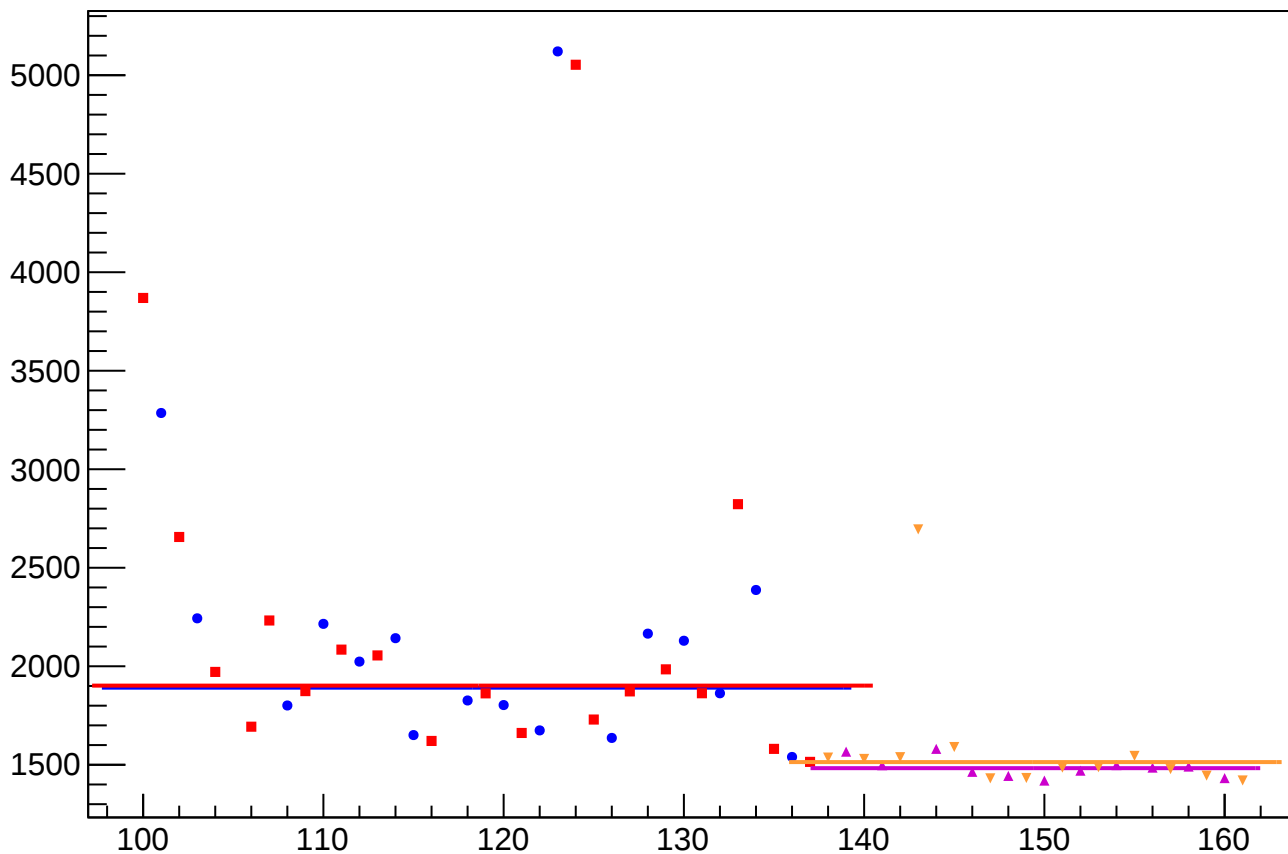
Right Out: 272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

Left In: 98.361 $\pm$ 495.875 χ^2 /NDF:10.9/10

-908.856 $\pm$ 409.649 χ^2 /NDF: 39.6/29

152.986 $\pm$ 410.915 χ^2 /NDF: 21.1/29

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2 /NDF: 464497.5/16

Left Out: 1513.689+/-0.346 χ^2 /NDF: 282106.4/12

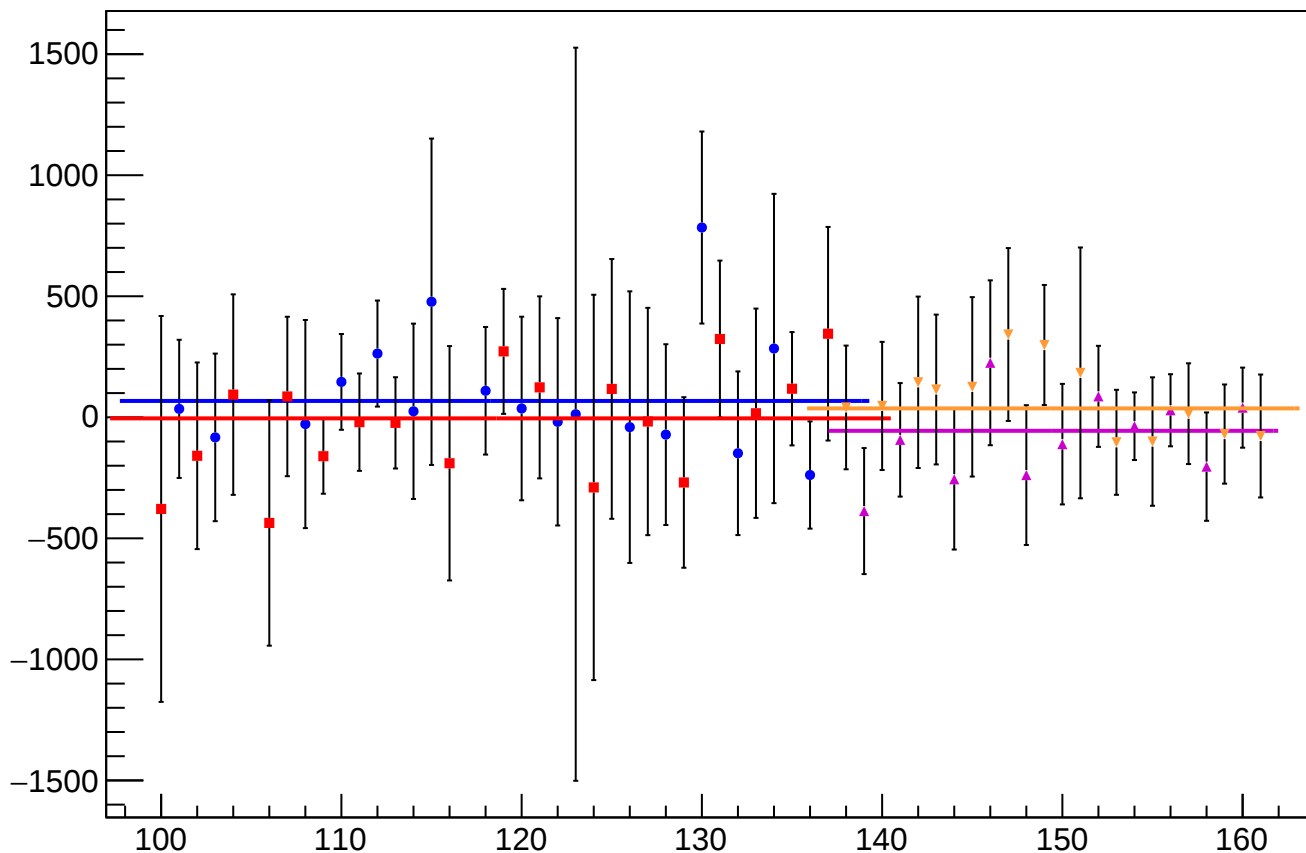
Right Out: 1901.797+/-0.519 χ^2 /NDF: 460687.3/18

Left In: 1482.804+/-0.351 χ^2 /NDF: 18056.6/10

1626.237+/-0.290 χ^2 /NDF: 1102404.9/29

1614.082+/-0.291 χ^2 /NDF: 926132.7/29

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542+/-79.608 χ^2/NDF : 7.5/16

Left Out: 36.768+/-74.324 χ^2/NDF : 3.3/12

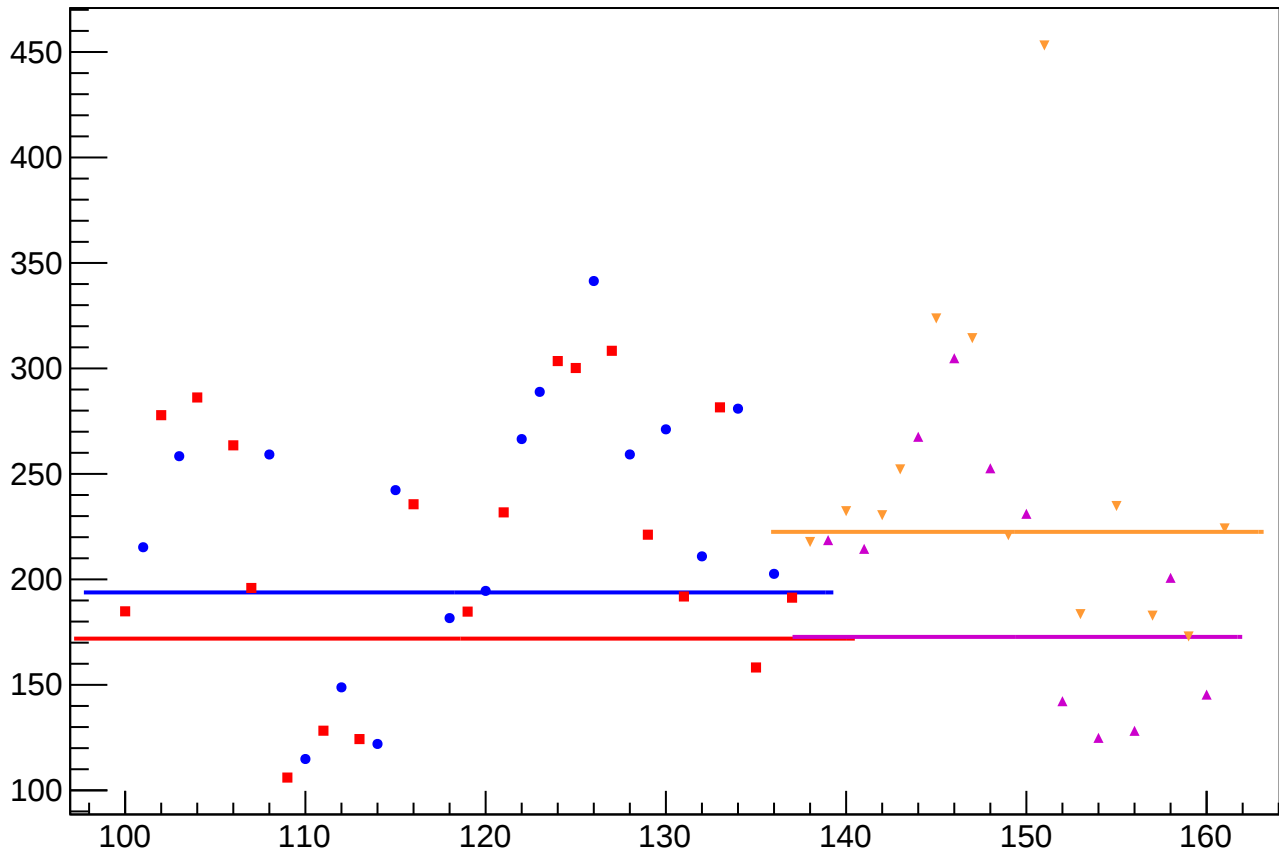
Right Out: -4.423+/-70.009 χ^2/NDF : 6.4/18

Left In: -55.808+/-62.329 χ^2/NDF : 4.8/10

51.100+/-54.327 χ^2/NDF : 10.9/29

-33.088+/-46.553 χ^2/NDF : 11.5/29

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 222.529 $\pm$ 0.053 χ^2 /NDF: 959596.2/12

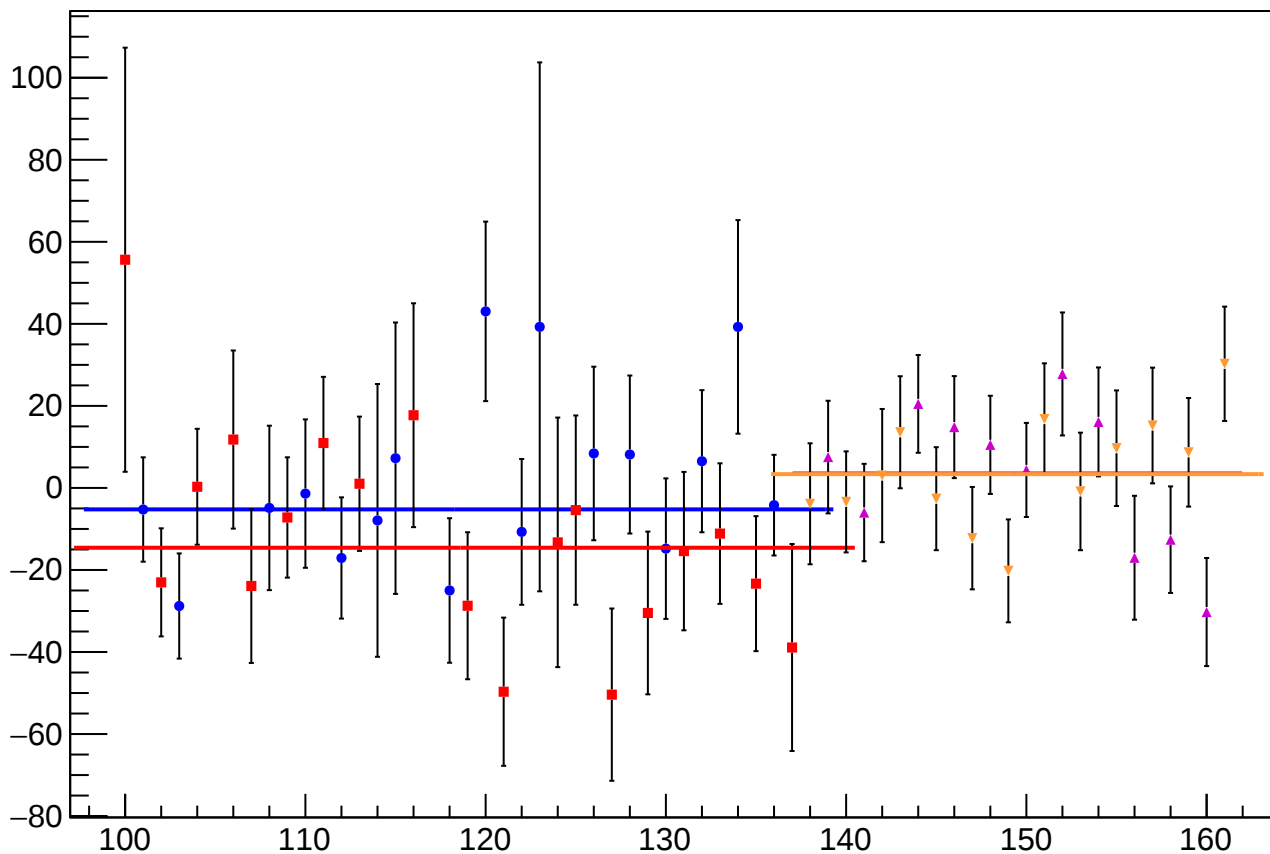
Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

Left In: 172.737 $\pm$ 0.044 χ^2 /NDF: 1445508.7/10

209.157 $\pm$ 0.038 χ^2 /NDF: 2108941.7/29

172.376 $\pm$ 0.033 χ^2 /NDF: 3022736.6/29

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: 3.363 ± 3.762 $\chi^2/\text{NDF}: 12.3/12$

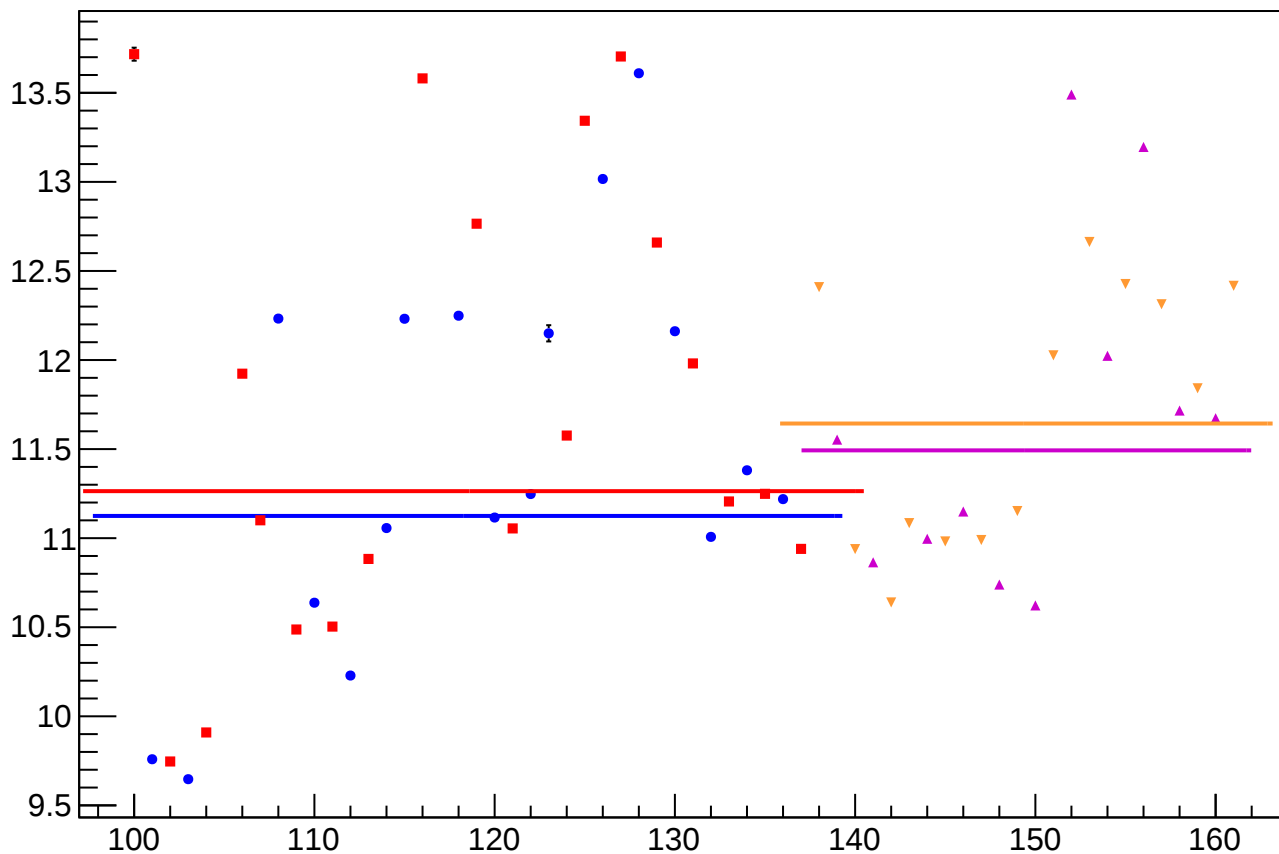
Right Out: -14.579 ± 4.265 $\chi^2/\text{NDF}: 19.5/18$

Left In: 3.531 ± 3.872 $\chi^2/\text{NDF}: 17.4/10$

-0.308 ± 2.847 $\chi^2/\text{NDF}: 30.0/29$

-4.652 ± 2.867 $\chi^2/\text{NDF}: 46.8/29$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125+/-0.003 χ^2/NDF : 132520.1/16

Left Out: 11.644+/-0.003 χ^2/NDF : 66052.0/12

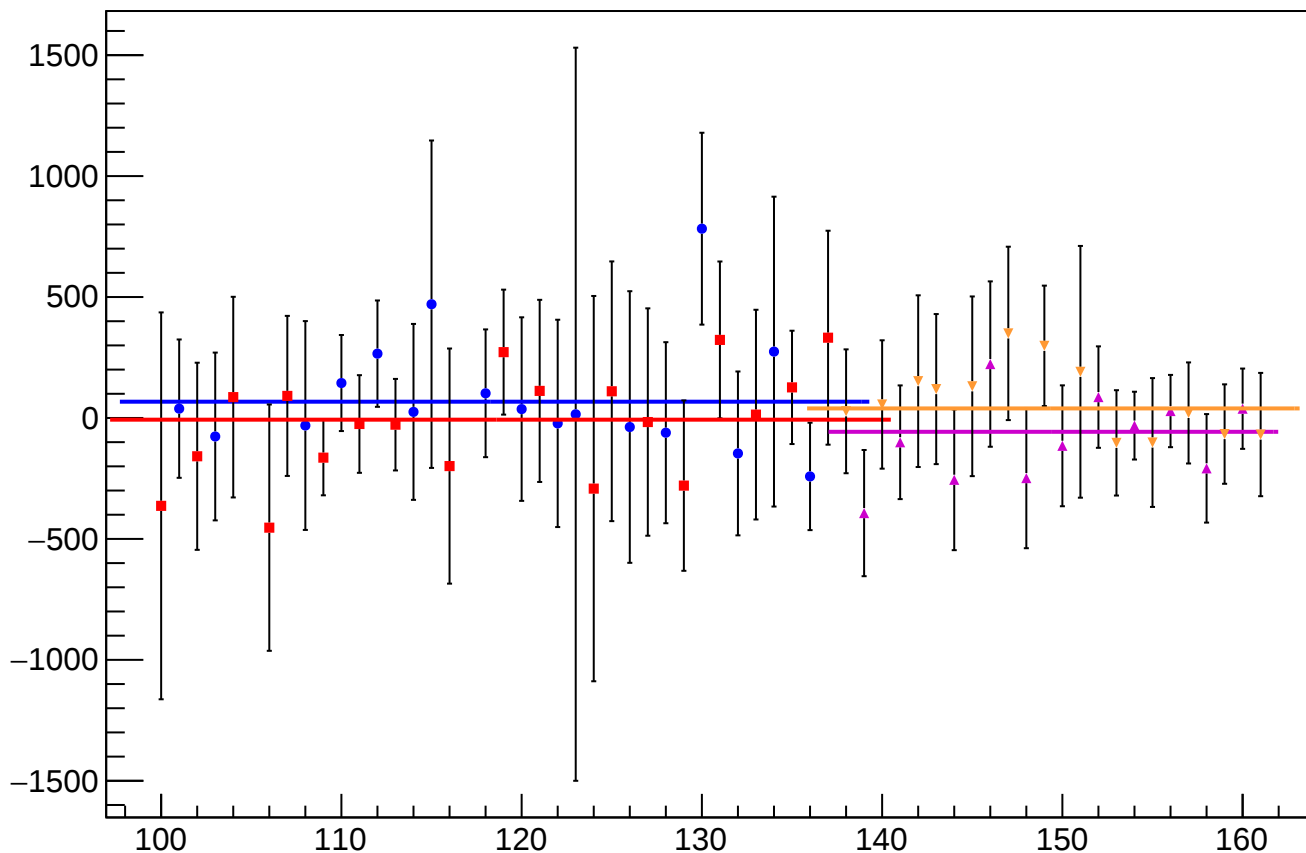
Right Out: 11.264+/-0.003 χ^2/NDF : 147733.2/18

Left In: 11.493+/-0.003 χ^2/NDF : 95194.4/10

11.422+/-0.002 χ^2/NDF : 214819.5/29

11.389+/-0.002 χ^2/NDF : 246085.8/29

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: 39.473+/-74.576 χ^2/NDF : 3.3/12

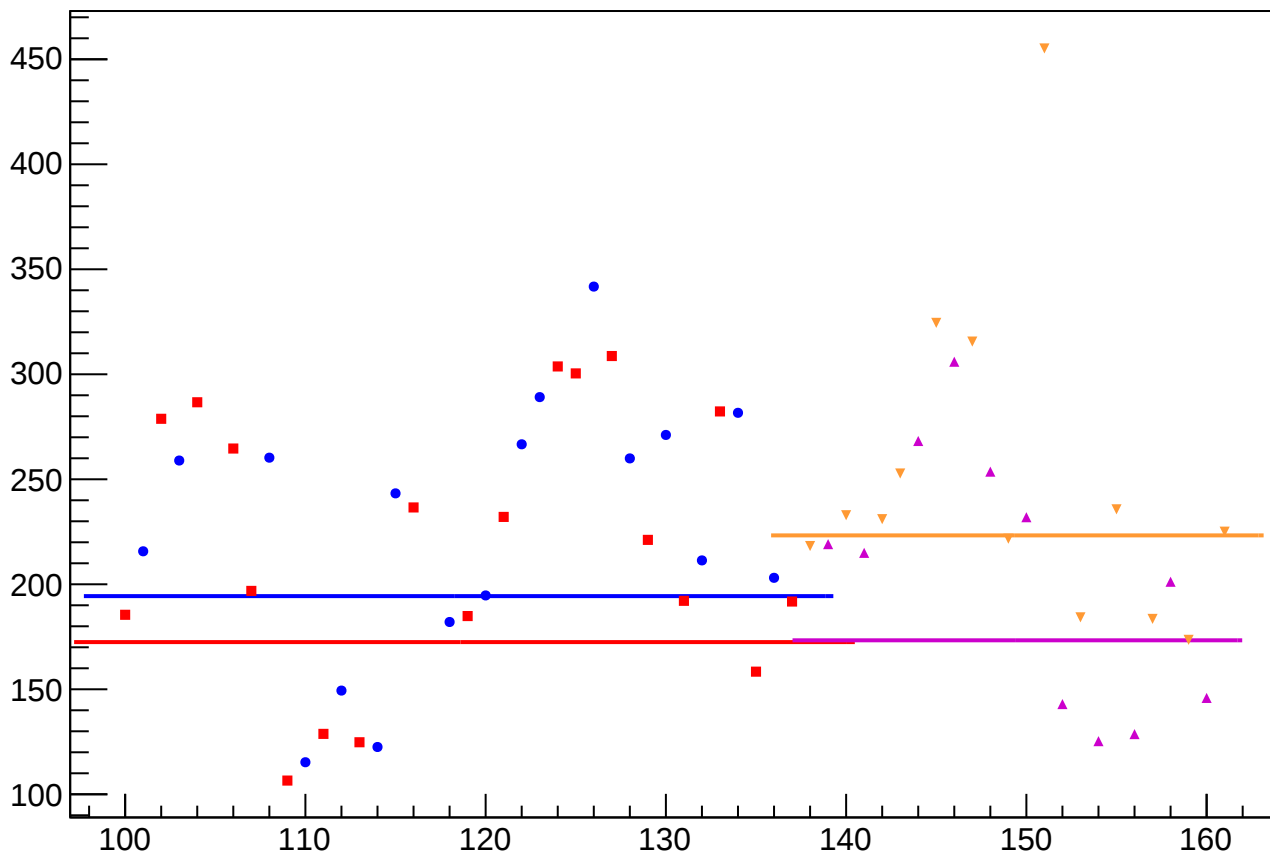
Right Out: -7.039+/-70.212 χ^2/NDF : 6.4/18

Left In: -57.182+/-62.537 χ^2/NDF : 4.9/10

52.445+/-54.492 χ^2/NDF : 10.9/29

-35.000+/-46.699 χ^2/NDF : 11.7/29

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: 223.285+/-0.053 χ^2/NDF : 958881.8/12

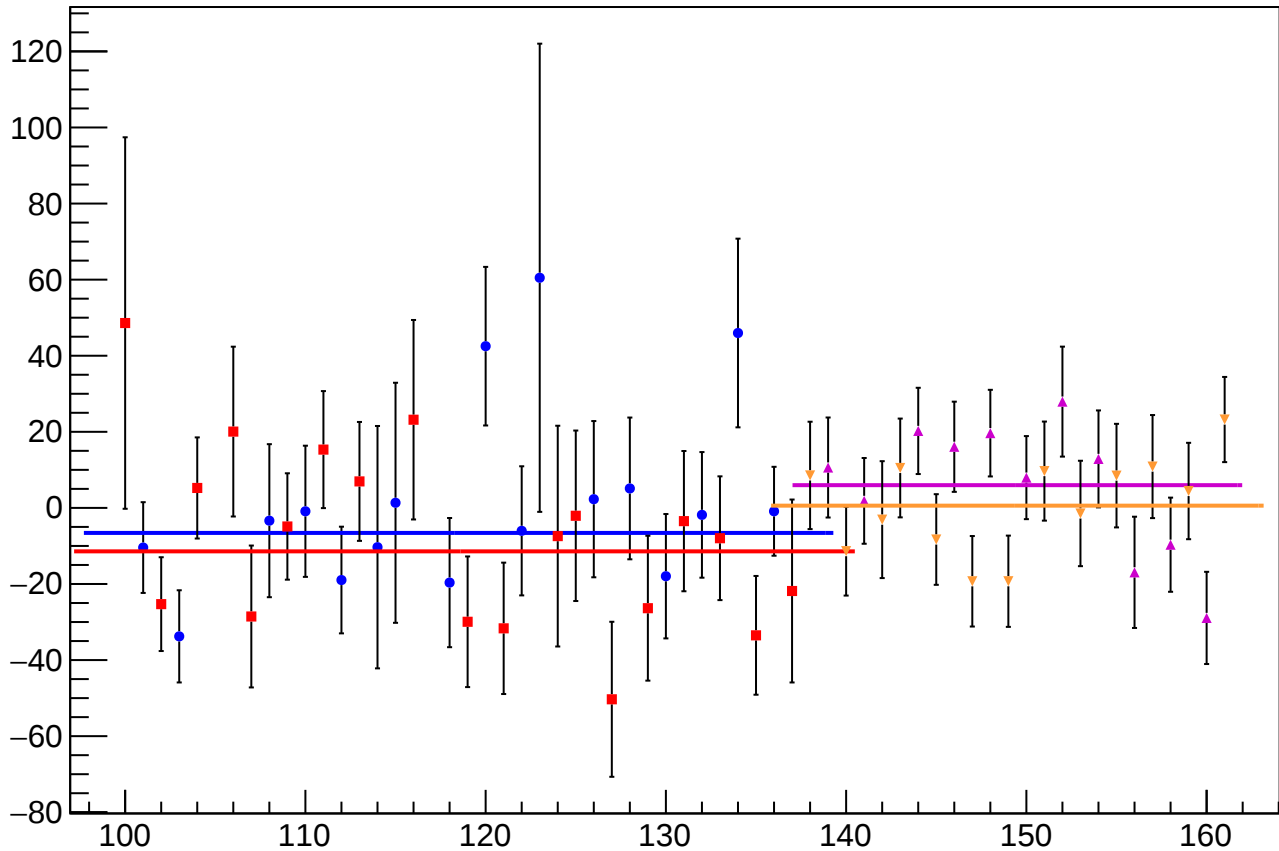
Right Out: 172.471+/-0.050 χ^2/NDF : 1569648.4/18

Left In: 173.322+/-0.044 χ^2/NDF : 1443146.6/10

209.806+/-0.039 χ^2/NDF : 2104303.8/29

172.946+/-0.033 χ^2/NDF : 3012958.7/29

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

Left Out: 0.592 ± 3.541 $\chi^2/\text{NDF}: 13.7/12$

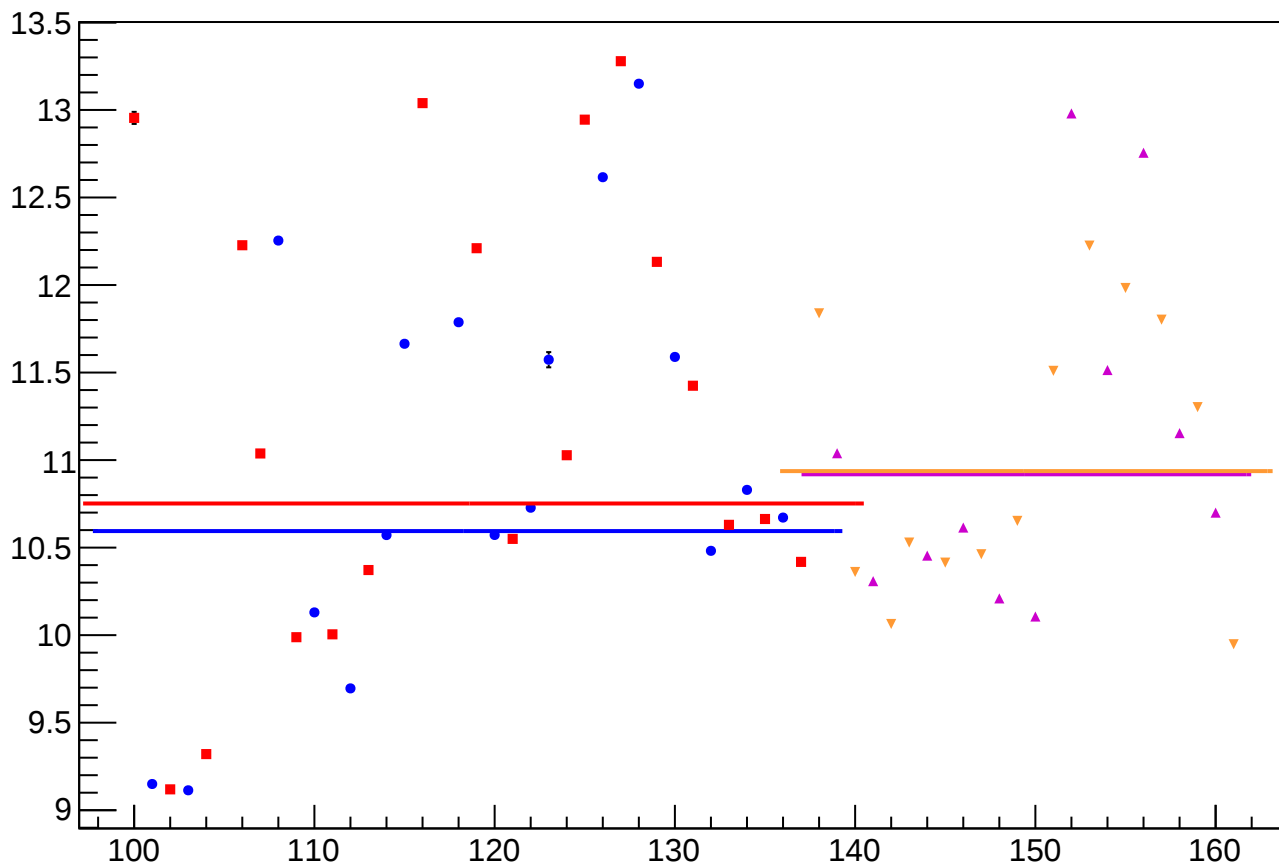
Right Out: -11.423 ± 4.080 $\chi^2/\text{NDF}: 23.0/18$

Left In: 5.976 ± 3.686 $\chi^2/\text{NDF}: 19.0/10$

-2.422 ± 2.696 $\chi^2/\text{NDF}: 34.8/29$

-1.843 ± 2.735 $\chi^2/\text{NDF}: 52.0/29$

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: 10.937 $\pm$ 0.003 χ^2 /NDF:88023.2/12

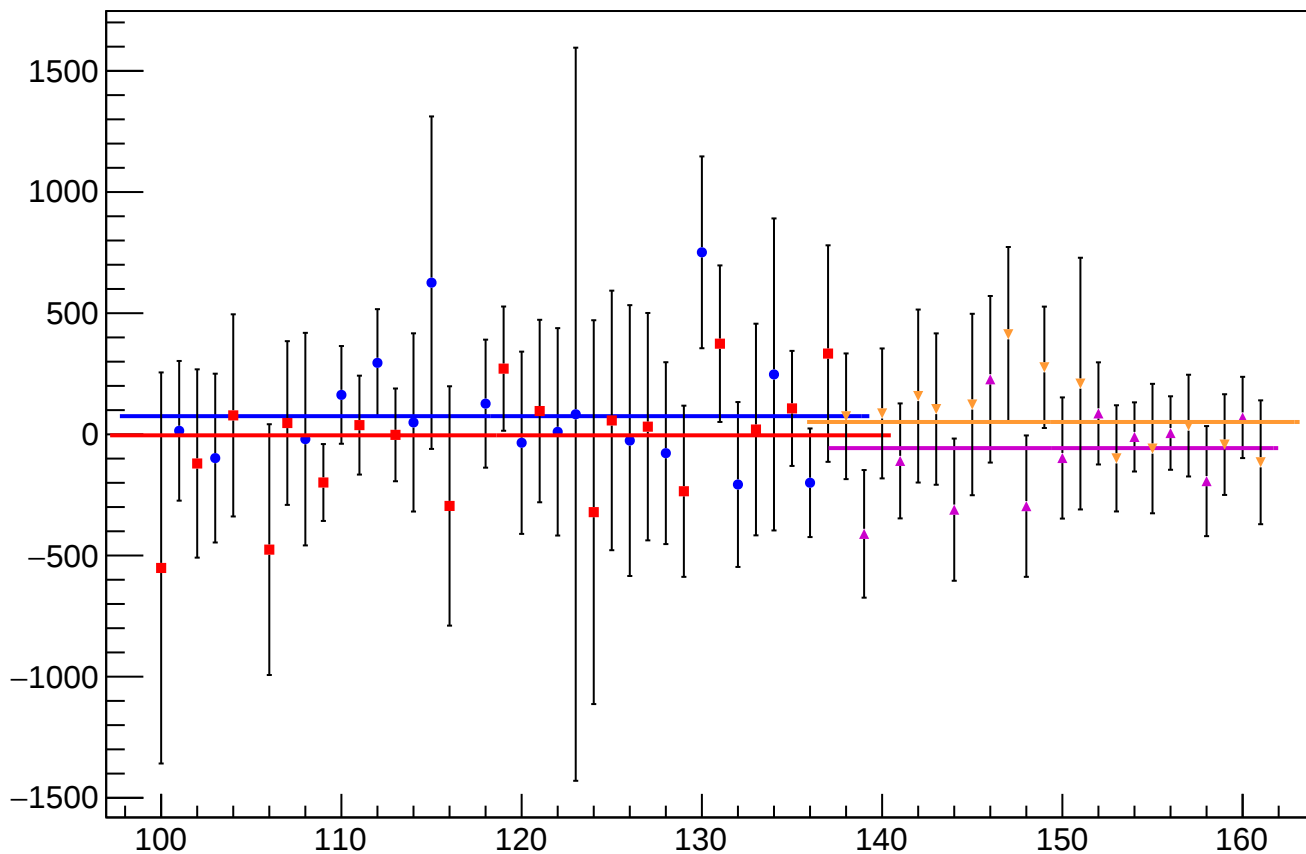
10.793 $\pm$ 0.002 χ^2 /NDF: 255951.0/29

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

10.844 $\pm$ 0.002 χ^2 /NDF: 286523.4/29

Left In: 10.919 $\pm$ 0.003 χ^2 /NDF:107511.2/10

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 51.087 $\pm$ 75.089 χ^2 /NDF: 3.4/12

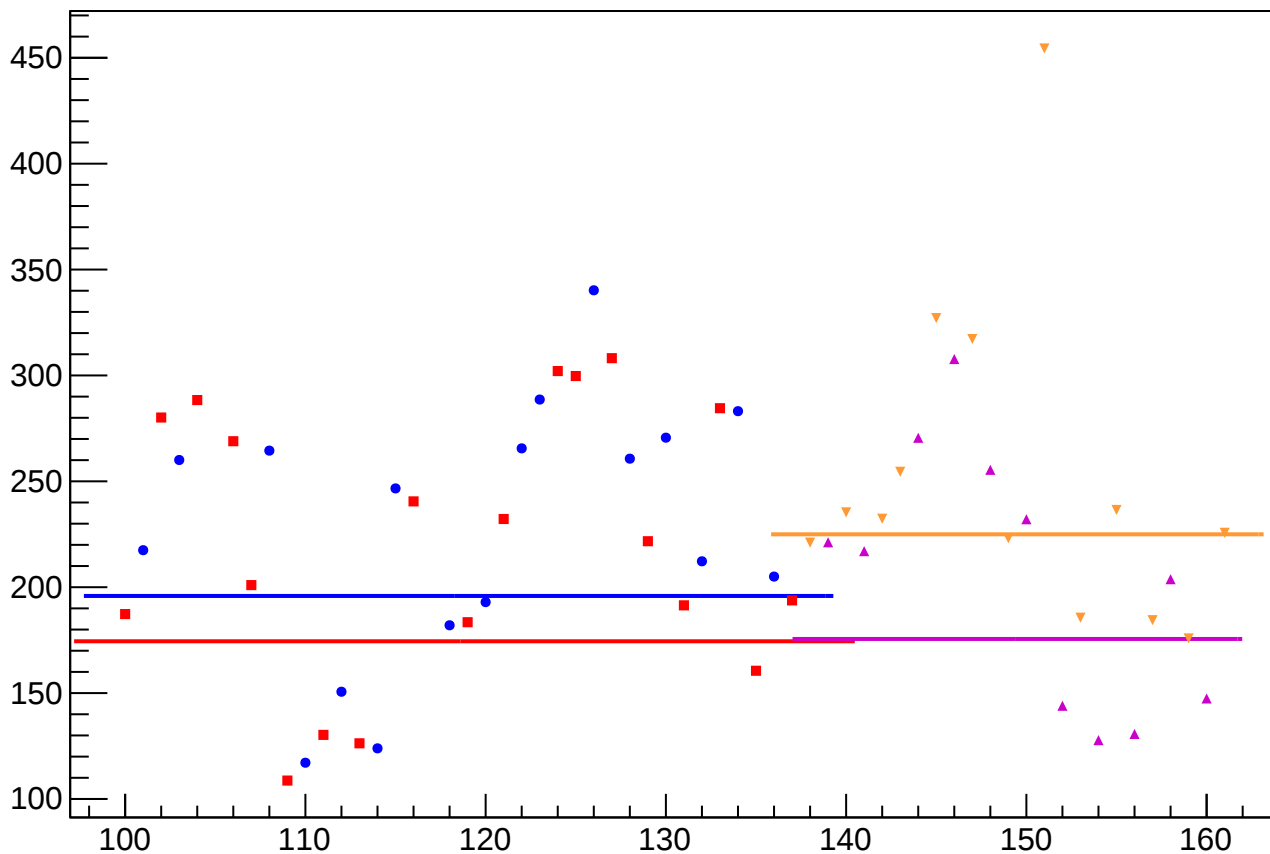
Right Out: -3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

Left In: -56.760 $\pm$ 63.241 χ^2 /NDF: 5.7/10

62.275 $\pm$ 54.862 χ^2 /NDF: 11.1/29

-33.376 $\pm$ 47.189 χ^2 /NDF: 13.3/29

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869+/-0.057 χ^2/NDF : 979247.4/16

Left Out: 224.981+/-0.053 χ^2/NDF : 947199.9/12

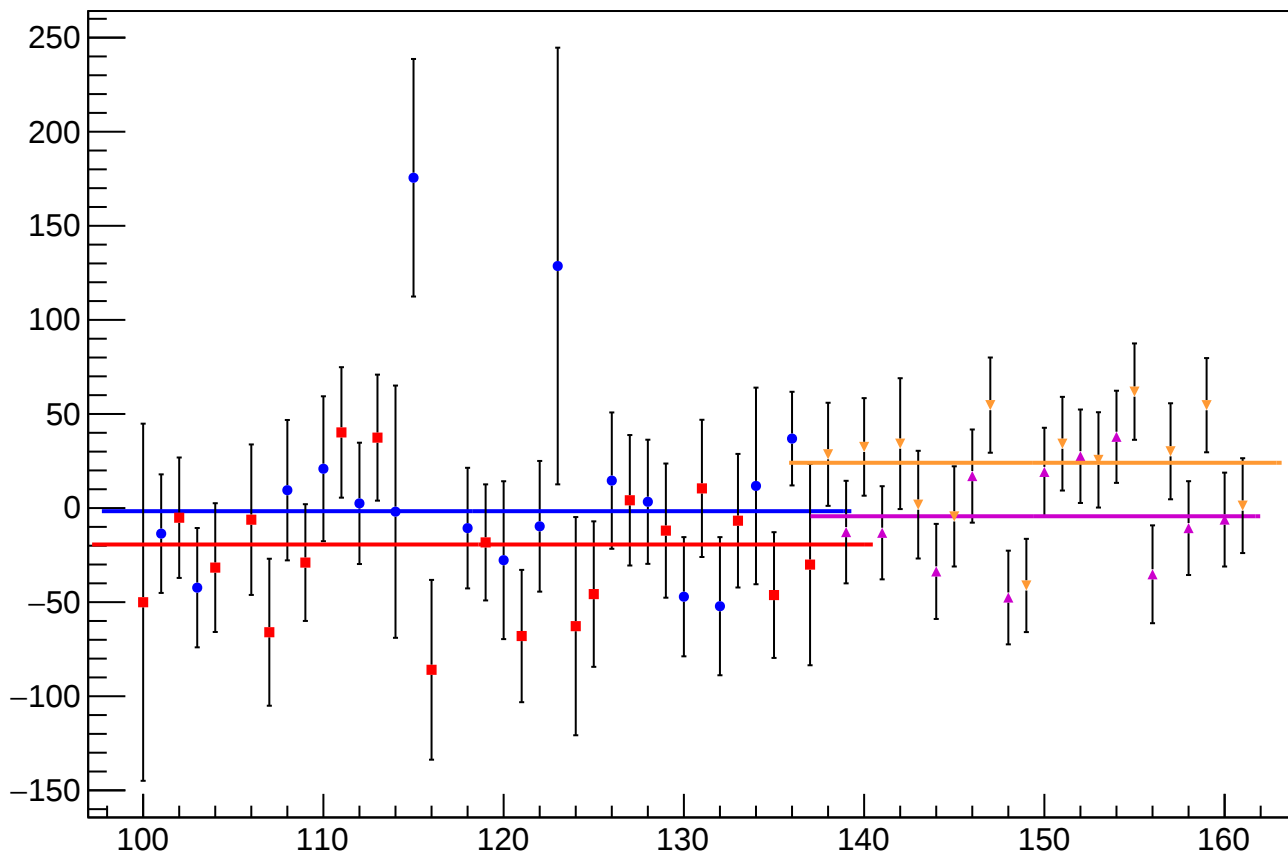
Right Out: 174.465+/-0.050 χ^2/NDF : 1528778.5/18

Left In: 175.562+/-0.045 χ^2/NDF : 1409643.4/10

211.409+/-0.039 χ^2/NDF : 2066589.5/29

175.076+/-0.033 χ^2/NDF : 2938688.6/29

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654+/-8.881 χ^2/NDF : 18.5/16

Left Out: 24.068+/-7.279 χ^2/NDF :15.1/12

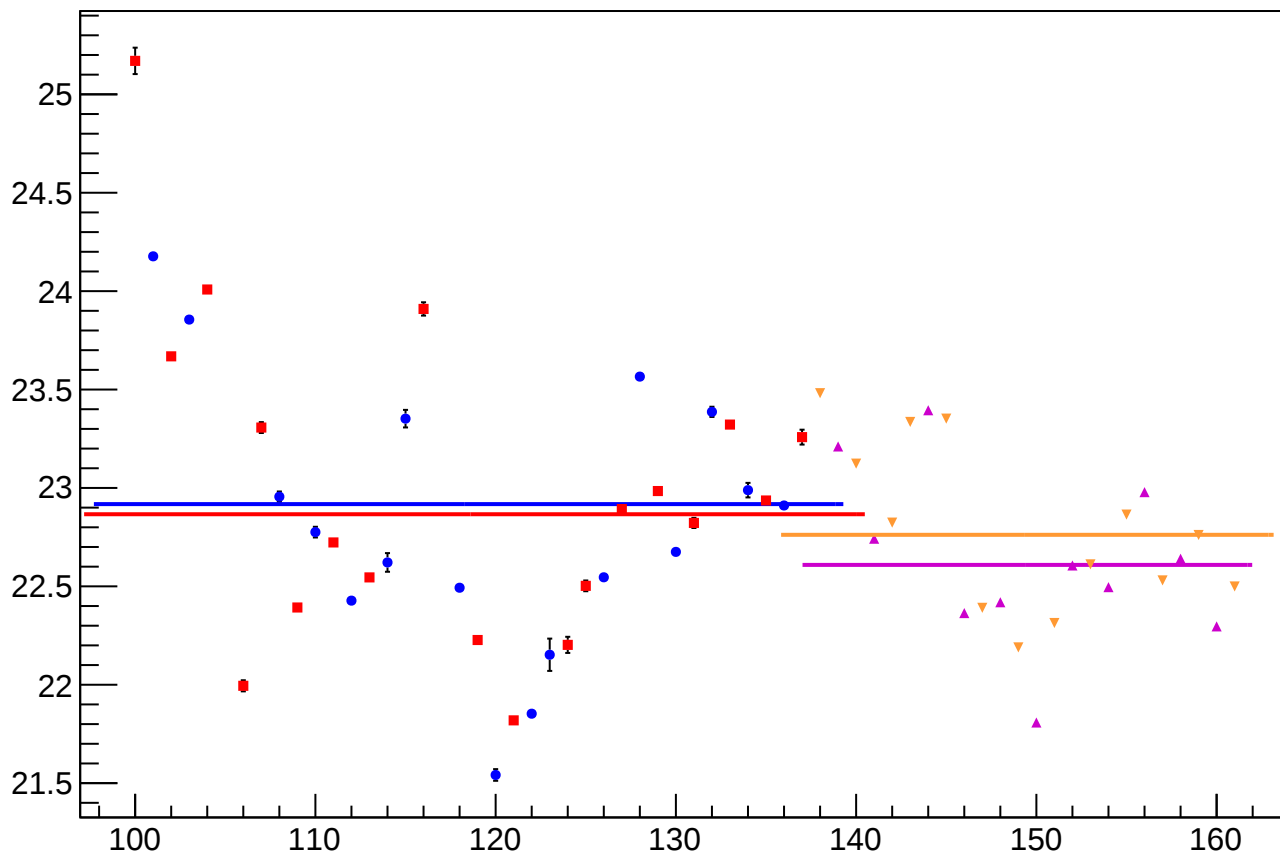
Right Out: -19.357+/-8.556 χ^2/NDF : 14.8/18

Left In: -4.352+/-7.539 χ^2/NDF :12.4/10

13.732+/-5.630 χ^2/NDF : 38.6/29

-10.910+/-5.656 χ^2/NDF : 28.9/29

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 ± 0.006 $\chi^2/\text{NDF}: 11472.2/16$

Left Out: 22.762 ± 0.005 $\chi^2/\text{NDF}: 6191.7/12$

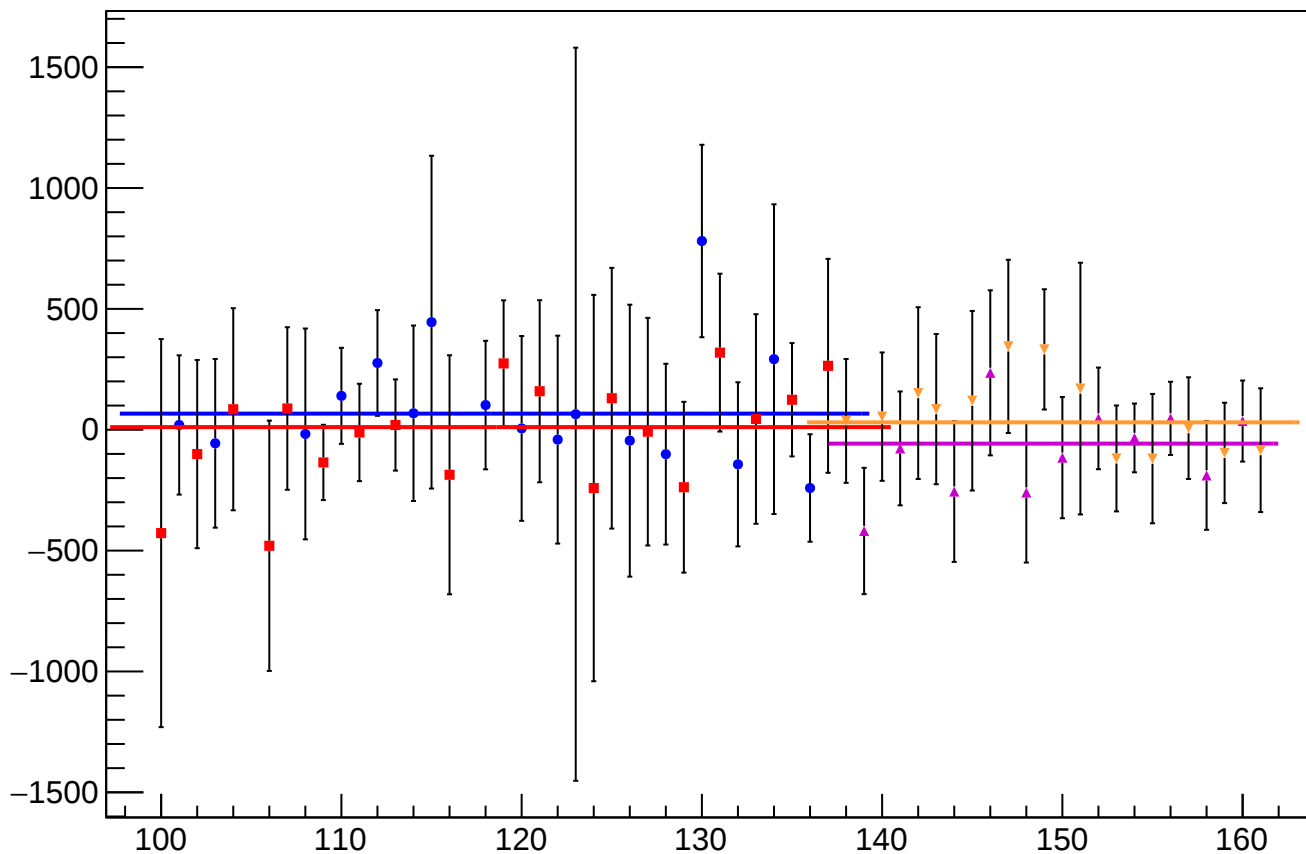
Right Out: 22.866 ± 0.006 $\chi^2/\text{NDF}: 11052.6/18$

Left In: 22.609 ± 0.005 $\chi^2/\text{NDF}: 6377.0/10$

22.825 ± 0.004 $\chi^2/\text{NDF}: 18033.1/29$

22.721 ± 0.004 $\chi^2/\text{NDF}: 18448.9/29$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701+/-79.995 χ^2/NDF : 7.5/16

Left Out: 30.634+/-74.864 χ^2/NDF : 3.9/12

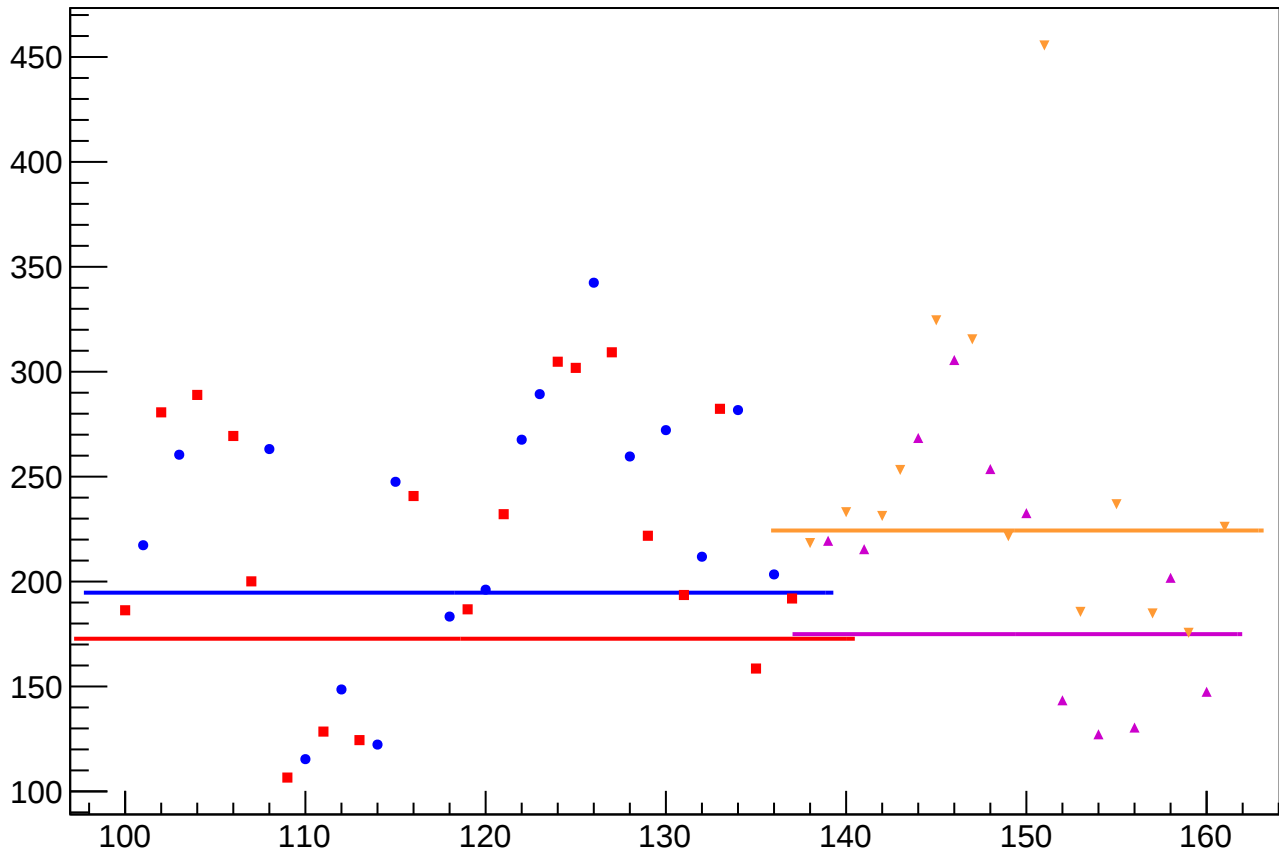
Right Out: 10.870+/-70.386 χ^2/NDF : 5.7/18

Left In: -57.425+/-63.008 χ^2/NDF : 5.1/10

47.474+/-54.661 χ^2/NDF : 11.5/29

-27.044+/-46.946 χ^2/NDF : 11.3/29

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: 224.331+/-0.053 χ^2/NDF :938396.5/12

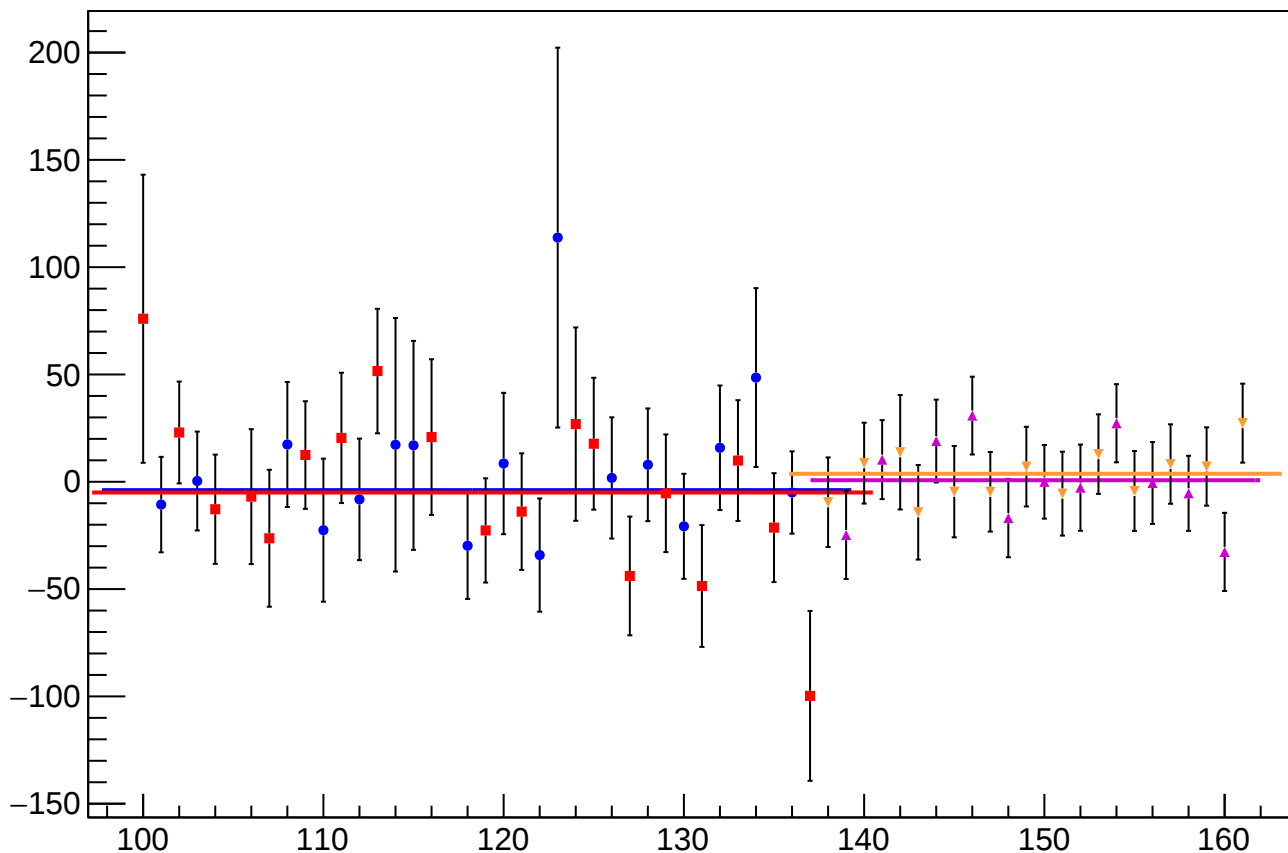
Right Out: 172.753+/-0.050 χ^2/NDF : 1596944.9/18

Left In: 174.941+/-0.045 χ^2/NDF :1394940.9/10

210.497+/-0.039 χ^2/NDF : 2104528.0/29

173.968+/-0.033 χ^2/NDF : 2992958.4/29

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 3.736 ± 5.434 χ^2/NDF : 4.1/12

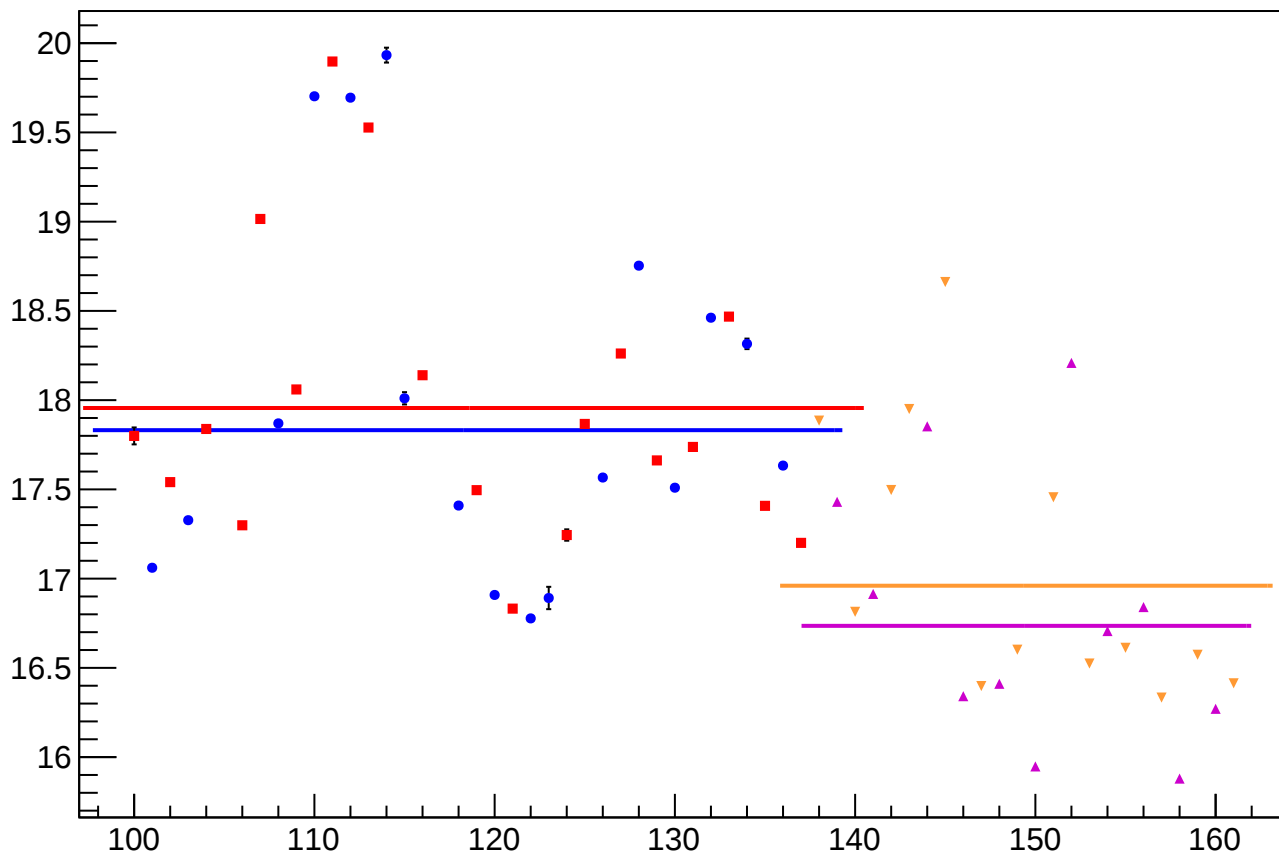
Right Out: -4.985 ± 6.727 χ^2/NDF : 21.3/18

Left In: 0.725 ± 5.592 χ^2/NDF : 12.1/10

0.823 ± 4.272 χ^2/NDF : 13.2/29

-1.608 ± 4.300 χ^2/NDF : 33.8/29

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 ± 0.005 $\chi^2/\text{NDF}: 30863.4/16$

Left Out: 16.960 ± 0.004 $\chi^2/\text{NDF}: 32289.7/12$

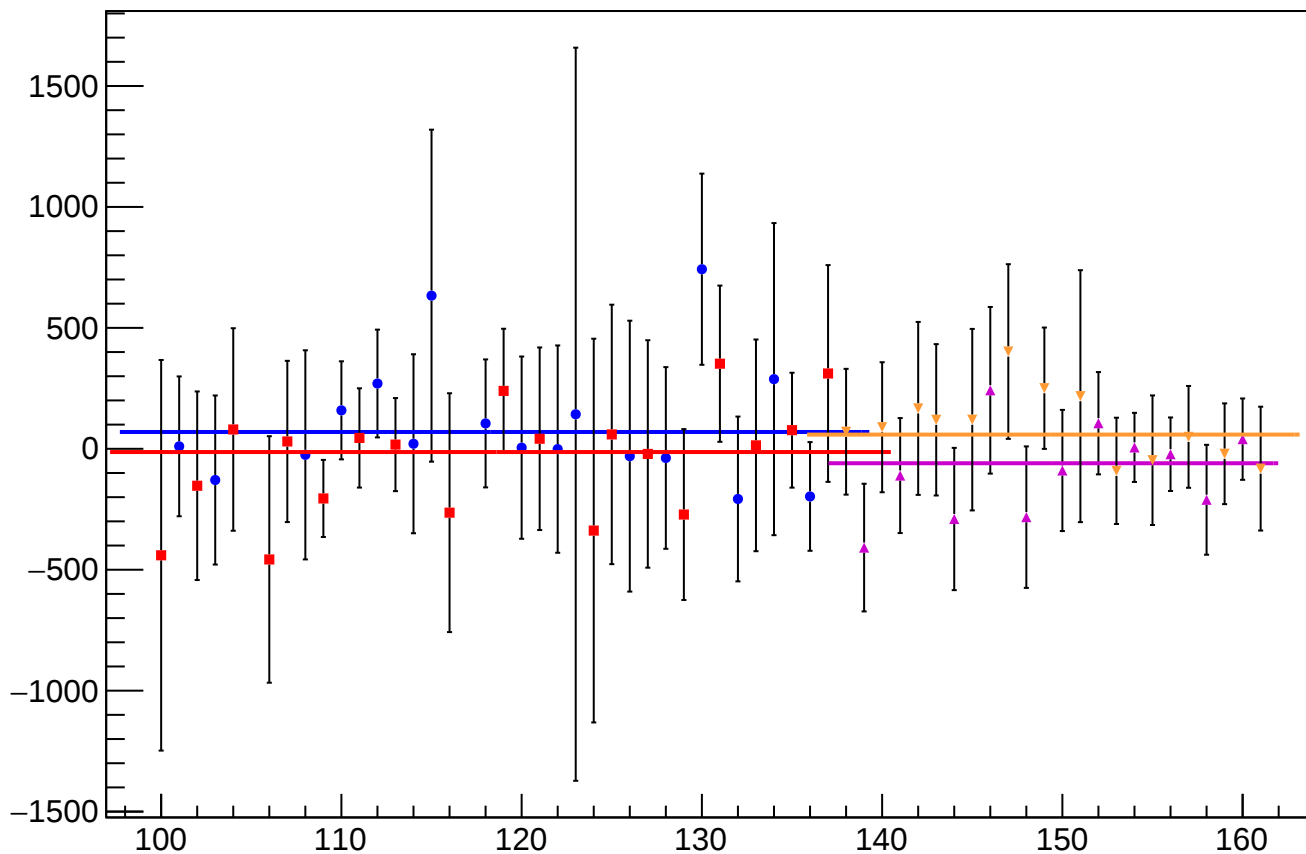
Right Out: 17.956 ± 0.005 $\chi^2/\text{NDF}: 25448.9/18$

Left In: 16.735 ± 0.004 $\chi^2/\text{NDF}: 31904.2/10$

17.293 ± 0.003 $\chi^2/\text{NDF}: 82792.2/29$

17.234 ± 0.003 $\chi^2/\text{NDF}: 96288.4/29$

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: 58.757+/-75.261 χ^2/NDF : 2.8/12

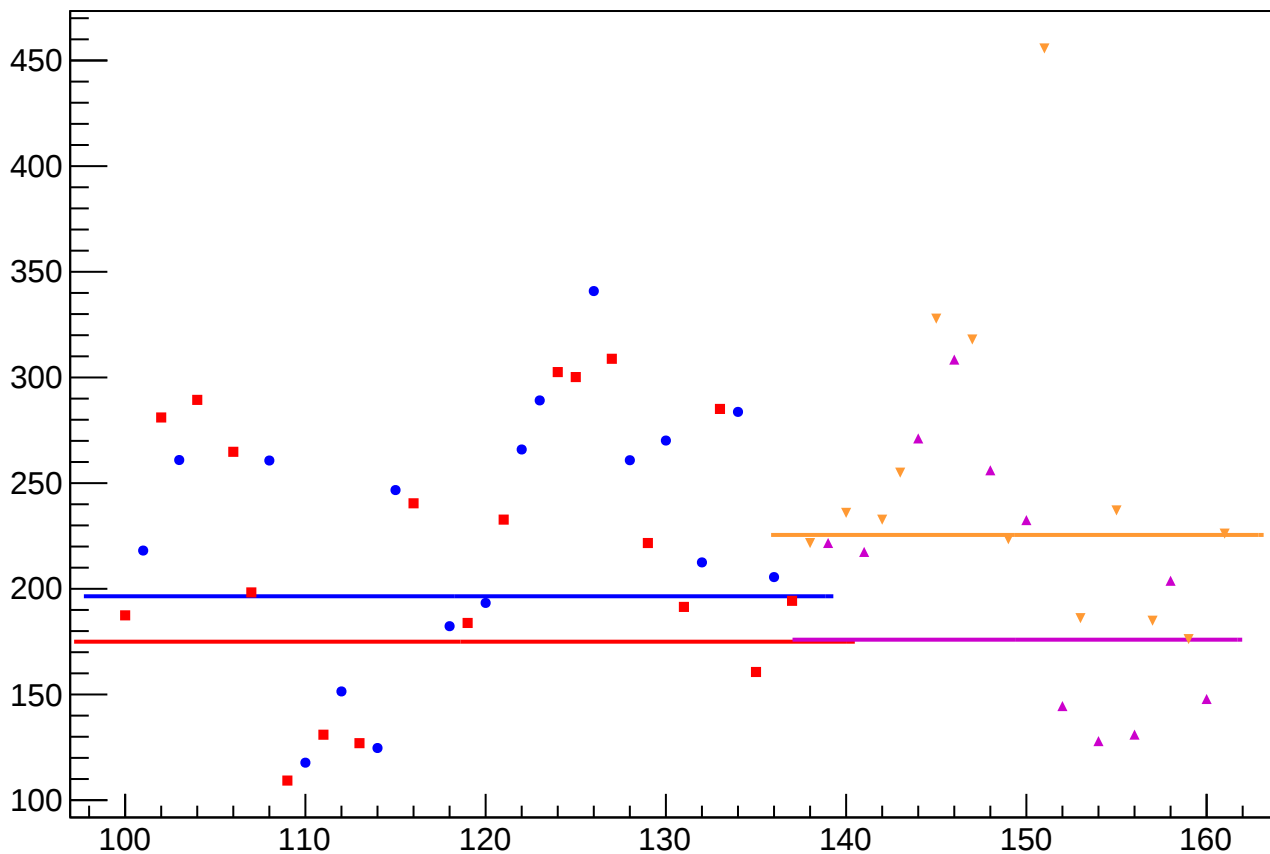
Right Out: -13.410+/-71.041 χ^2/NDF : 6.7/18

Left In: -59.703+/-63.373 χ^2/NDF : 5.4/10

63.769+/-54.992 χ^2/NDF : 10.2/29

-39.189+/-47.291 χ^2/NDF : 12.4/29

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: 225.495 $\pm$ 0.053 χ^2 /NDF: 947134.0/12

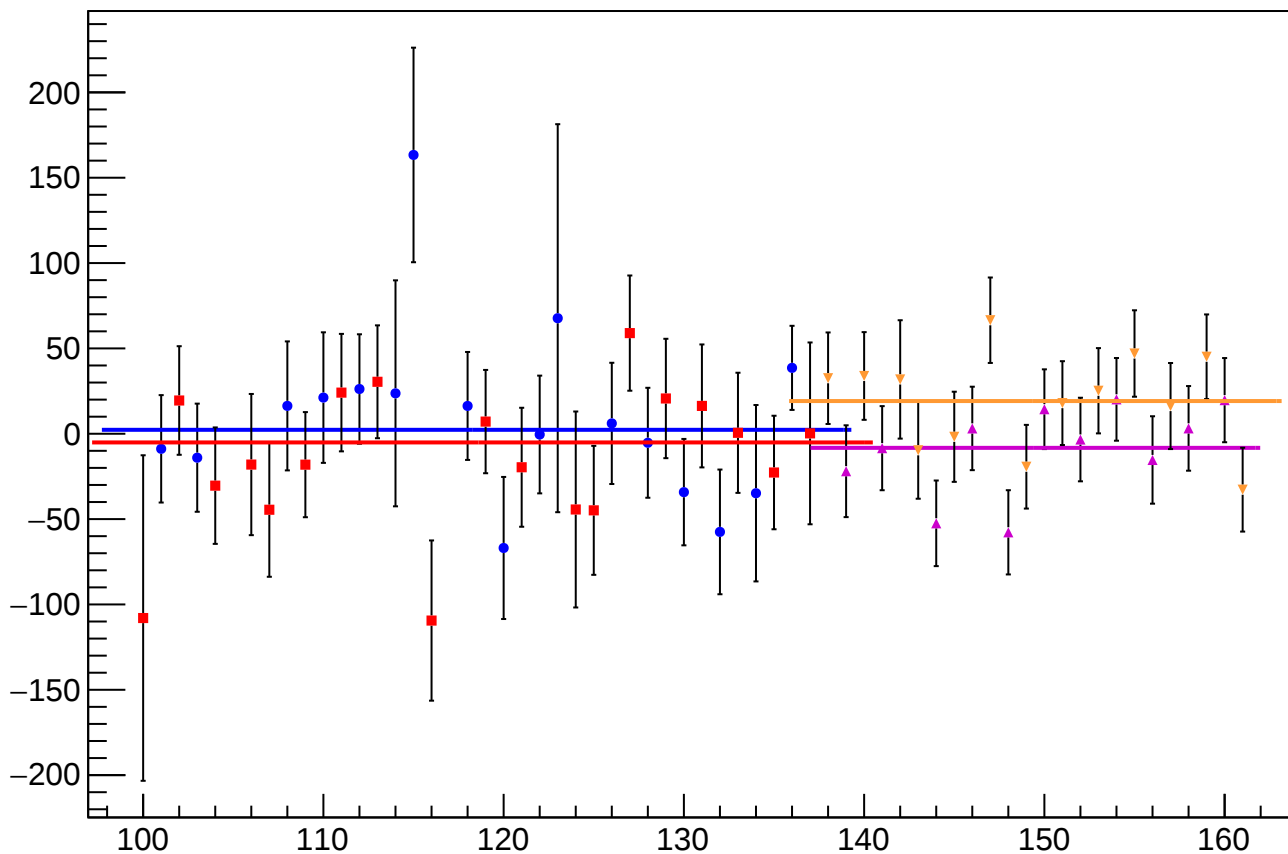
Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

Left In: 175.929 $\pm$ 0.045 χ^2 /NDF: 1409115.6/10

211.967 $\pm$ 0.039 χ^2 /NDF: 2050063.7/29

175.509 $\pm$ 0.033 χ^2 /NDF: 2920416.3/29

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 19.155 ± 7.188 $\chi^2/\text{NDF}: 15.3/12$

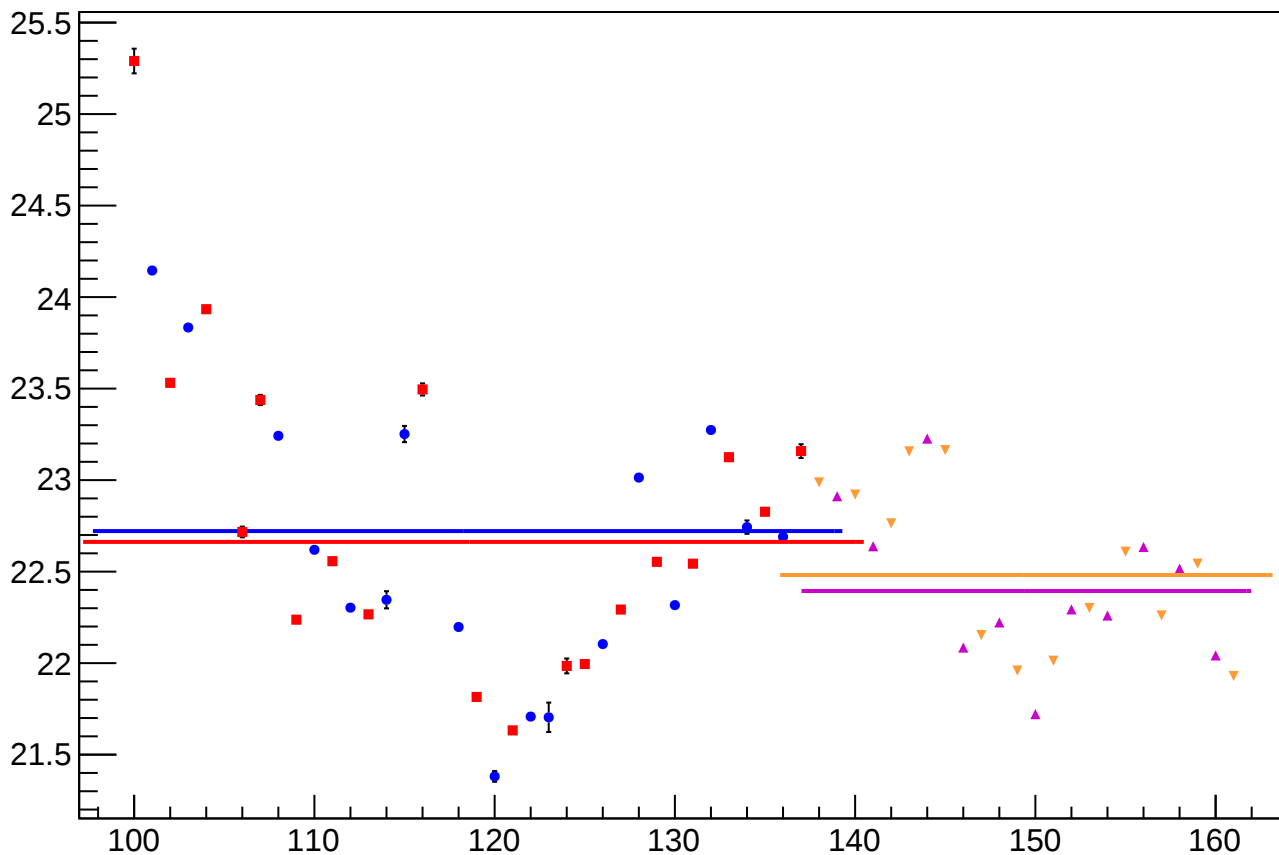
Right Out: -5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

Left In: -8.260 ± 7.467 $\chi^2/\text{NDF}: 11.5/10$

12.417 ± 5.568 $\chi^2/\text{NDF}: 35.6/29$

-6.875 ± 5.604 $\chi^2/\text{NDF}: 28.8/29$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13580.6/16

Left Out: 22.482 $\pm$ 0.005 χ^2 /NDF: 7206.1/12

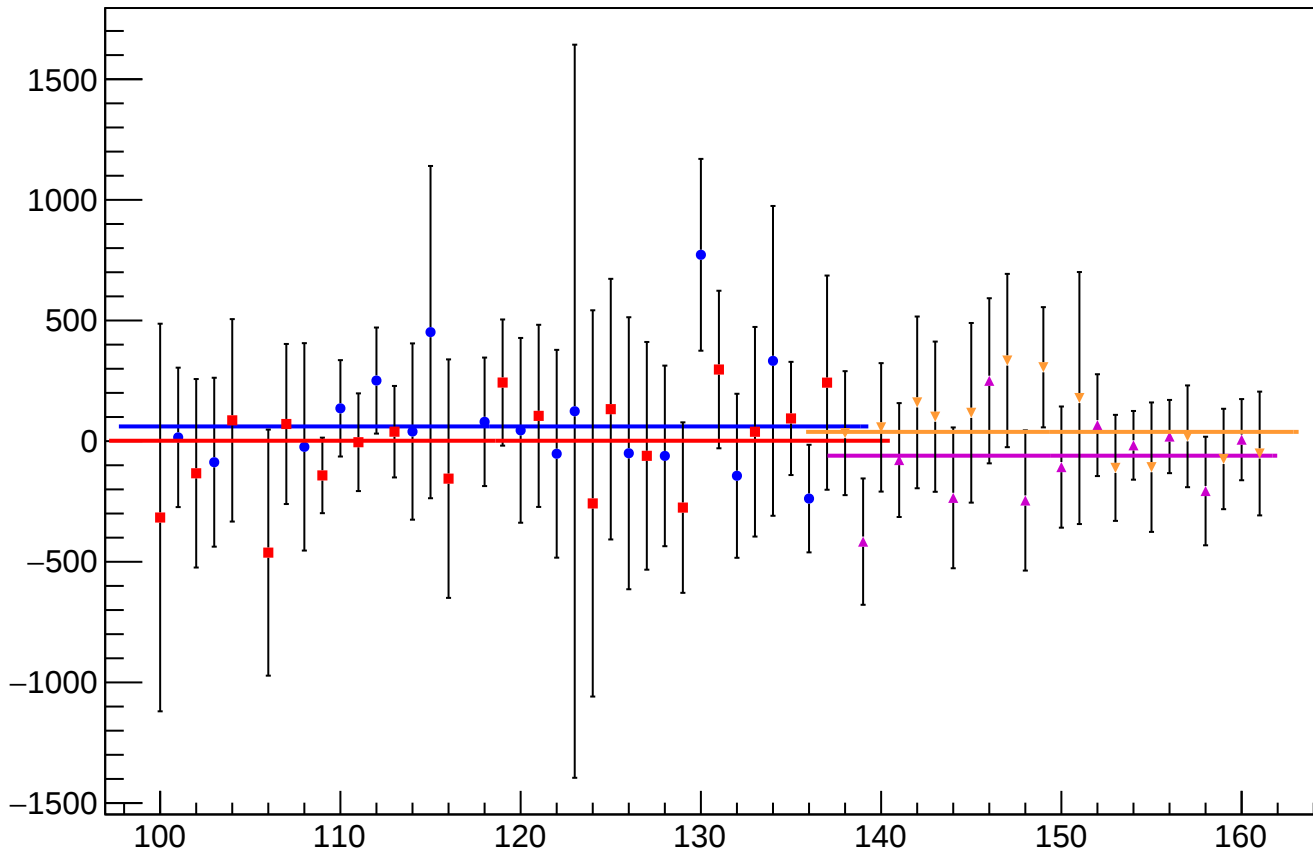
Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

Left In: 22.394 $\pm$ 0.005 χ^2 /NDF: 5946.5/10

22.578 $\pm$ 0.004 χ^2 /NDF: 21677.8/29

22.511 $\pm$ 0.004 χ^2 /NDF: 20030.0/29

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: 38.385 $\pm$ 75.036 χ^2 /NDF: 3.3/12

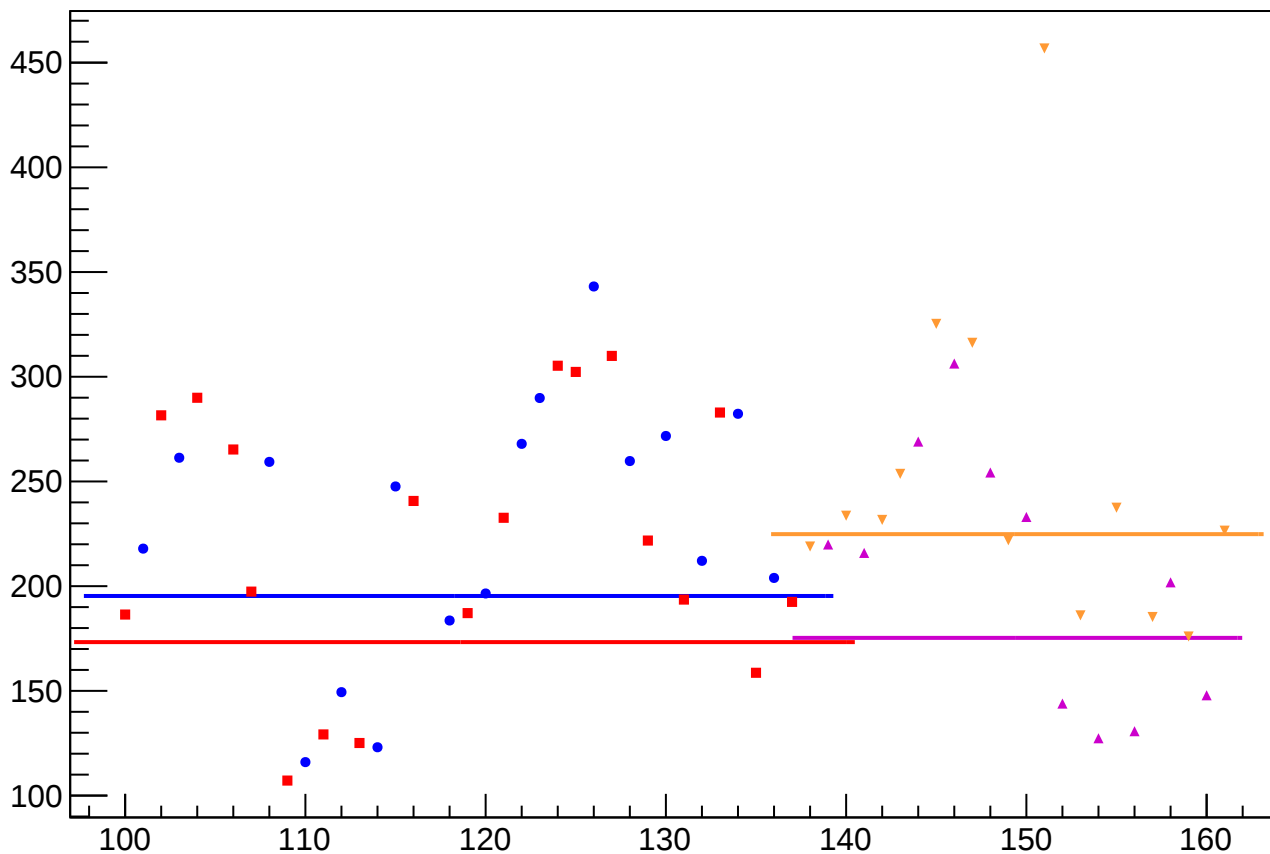
Right Out: 1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

Left In: -60.313 $\pm$ 63.140 χ^2 /NDF: 4.8/10

48.923 $\pm$ 54.792 χ^2 /NDF: 10.6/29

-32.756 $\pm$ 47.049 χ^2 /NDF: 10.4/29

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: 224.845+/-0.053 χ^2/NDF : 938360.9/12

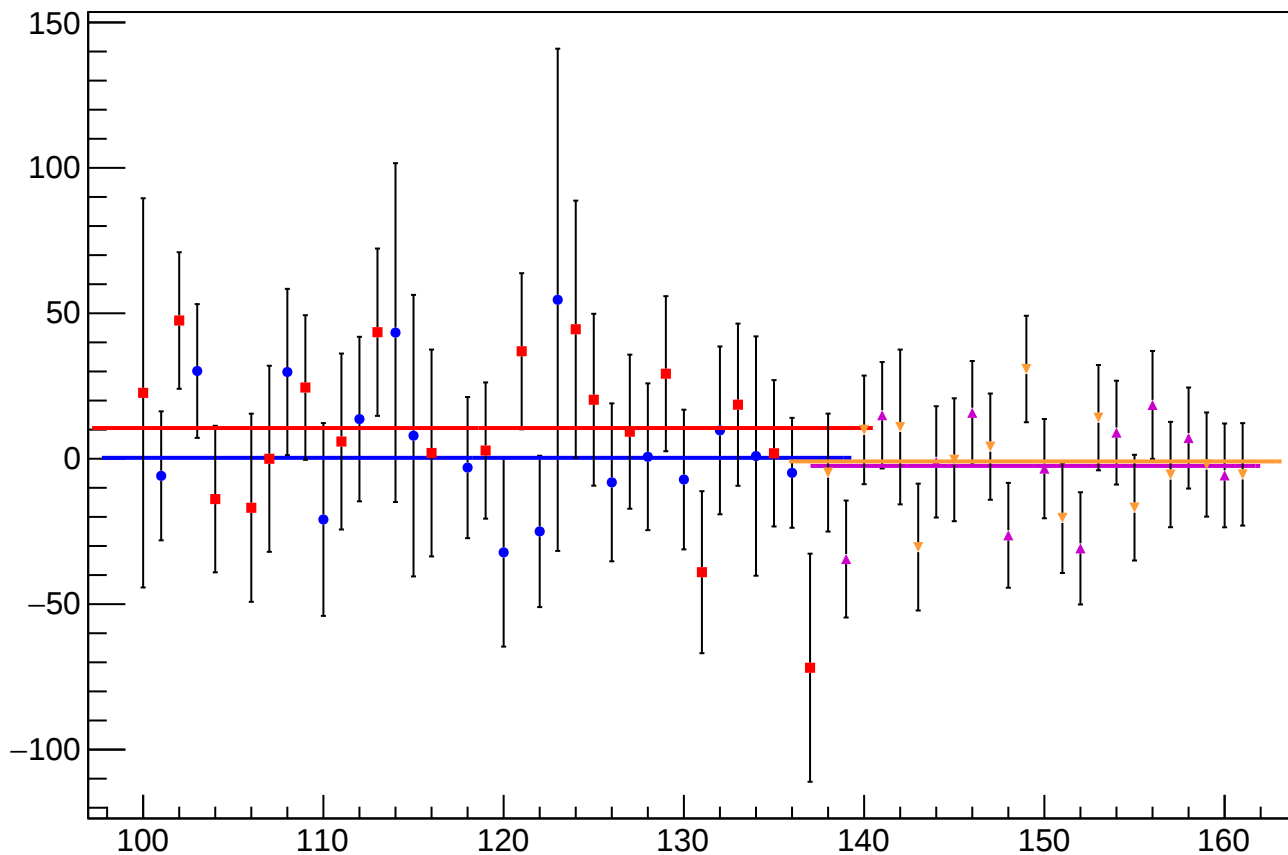
Right Out: 173.285+/-0.050 χ^2/NDF : 1578382.8/18

Left In: 175.307+/-0.045 χ^2/NDF : 1394524.3/10

211.061+/-0.039 χ^2/NDF : 2087154.5/29

174.408+/-0.033 χ^2/NDF : 2973819.3/29

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: -0.921 $\pm$ 5.323 χ^2/NDF : 8.1/12

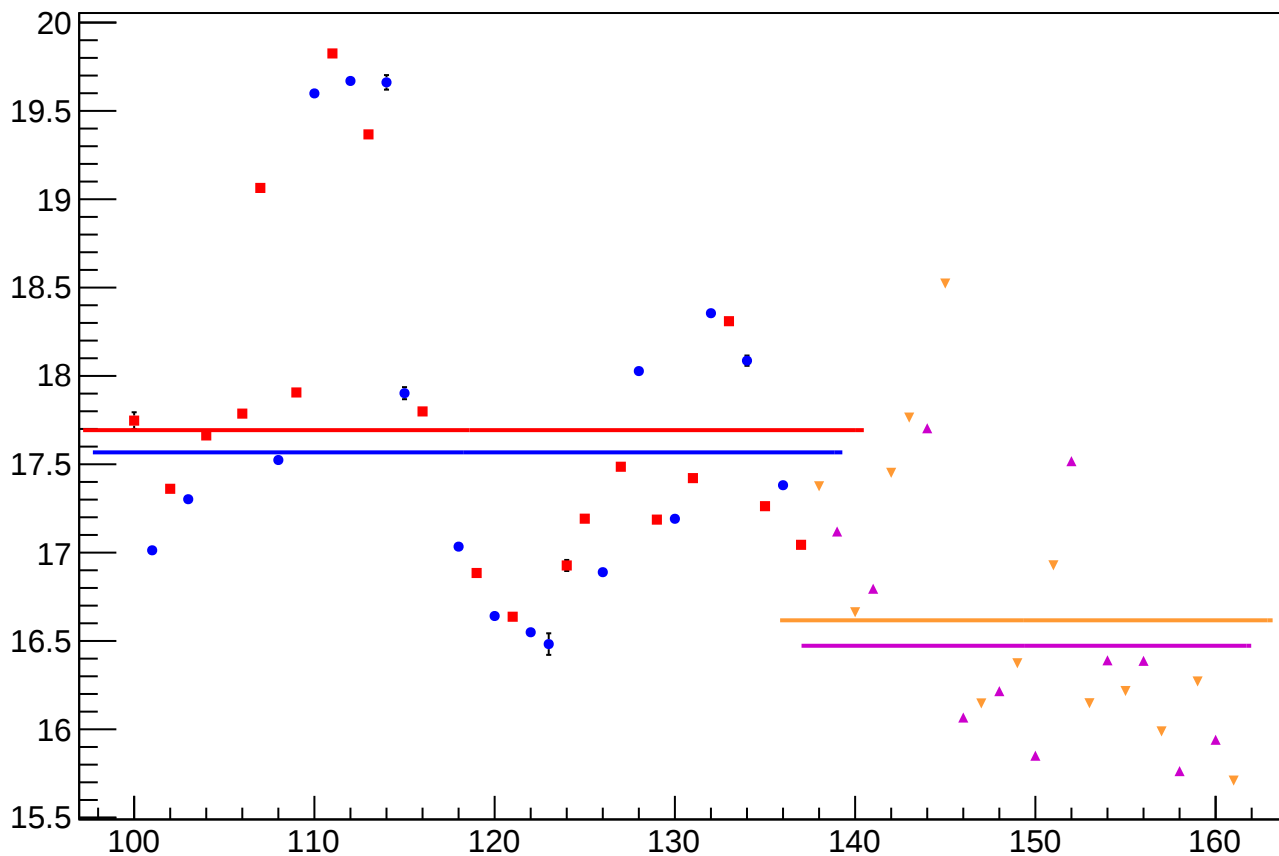
Right Out: 10.553 $\pm$ 6.628 χ^2/NDF : 16.0/18

Left In: -2.478 $\pm$ 5.501 χ^2/NDF : 10.4/10

-0.456 $\pm$ 4.194 χ^2/NDF : 14.9/29

2.837 $\pm$ 4.233 χ^2/NDF : 28.8/29

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.617 $\pm$ 0.004 χ^2 /NDF:39584.2/12

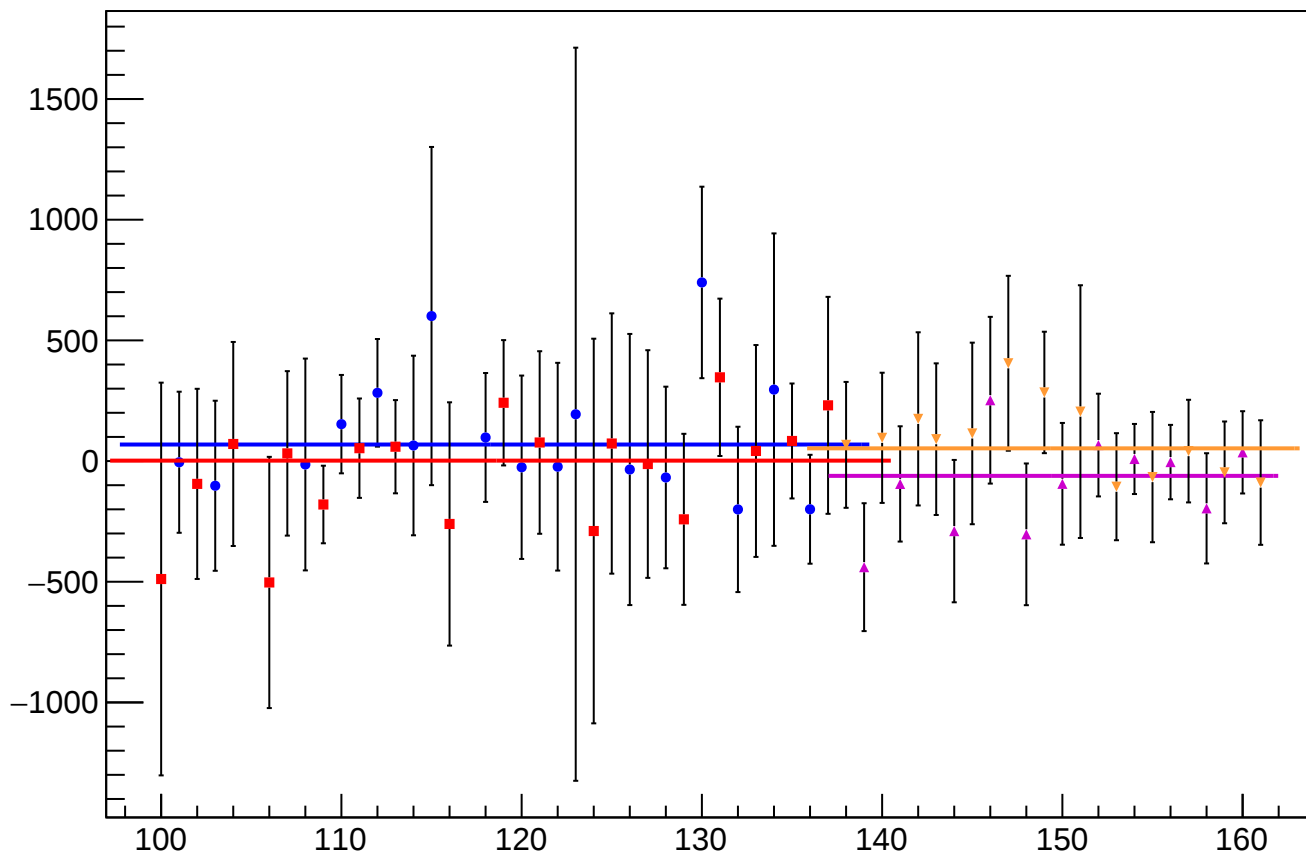
Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

Left In: 16.473 $\pm$ 0.004 χ^2 /NDF:26142.1/10

16.977 $\pm$ 0.003 χ^2 /NDF: 96905.2/29

16.971 $\pm$ 0.003 χ^2 /NDF: 97054.7/29

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: 52.688+/-75.772 χ^2/NDF : 3.3/12

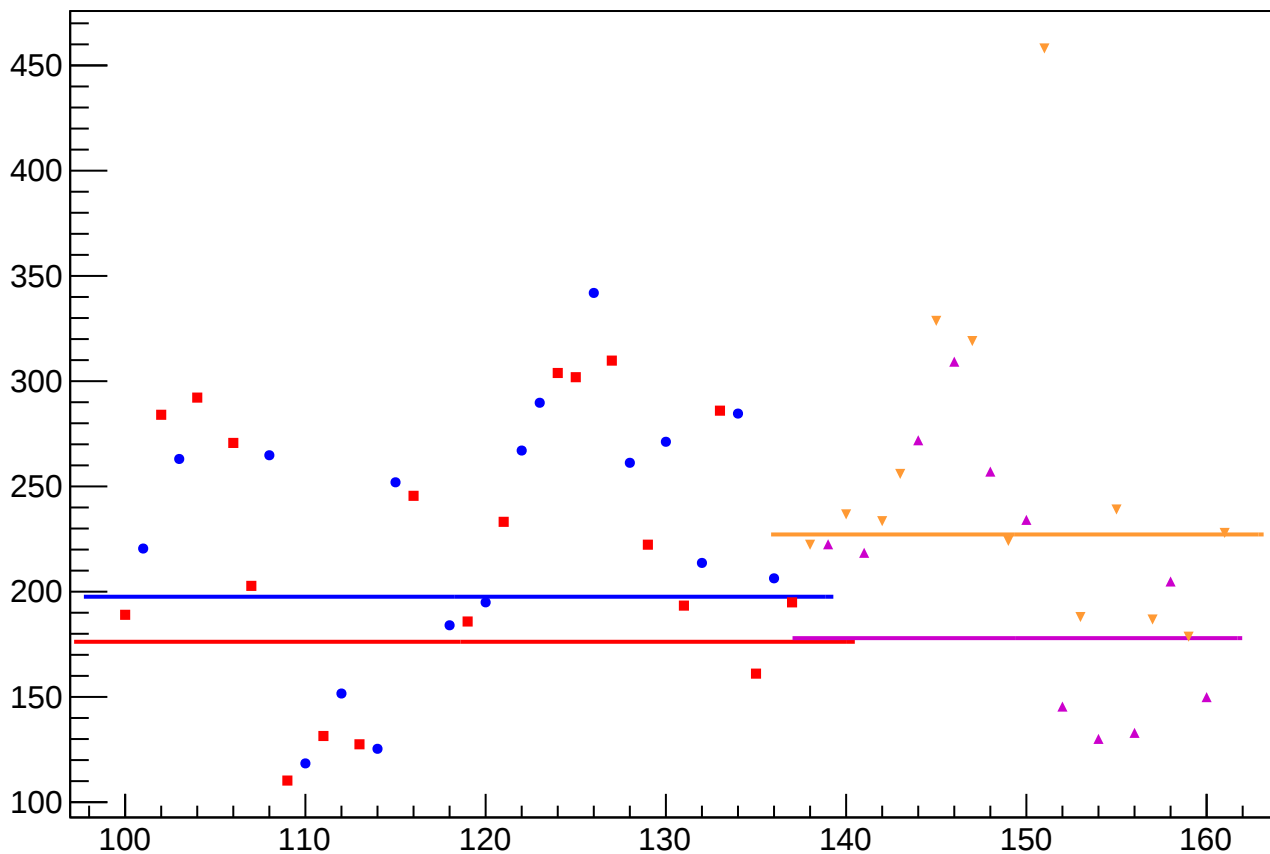
Right Out: 1.831+/-71.538 χ^2/NDF : 6.1/18

Left In: -61.307+/-63.997 χ^2/NDF : 5.6/10

60.090+/-55.341 χ^2/NDF : 10.6/29

-33.240+/-47.697 χ^2/NDF : 12.1/29

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 227.184 $\pm$ 0.054 χ^2 /NDF: 928696.1/12

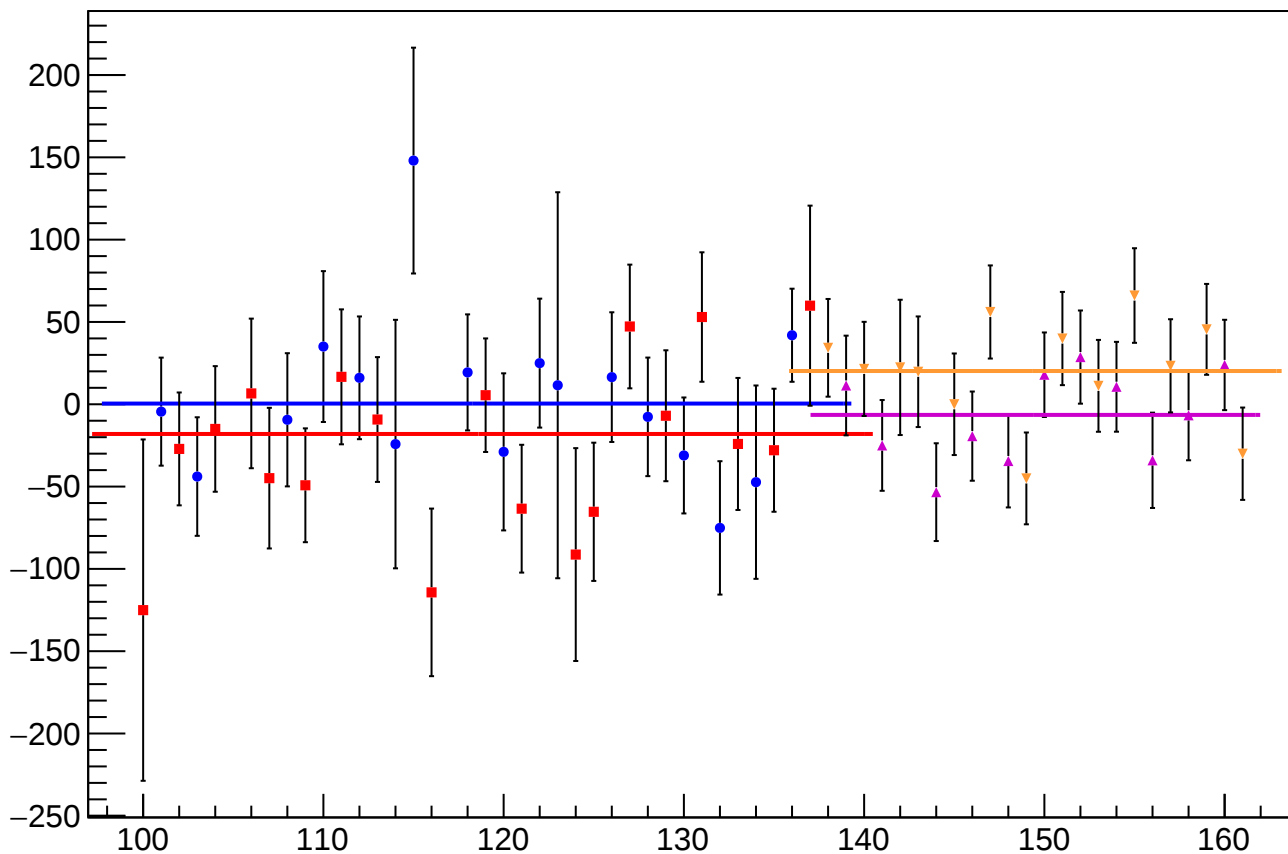
Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

Left In: 177.930 $\pm$ 0.045 χ^2 /NDF: 1367126.6/10

213.382 $\pm$ 0.039 χ^2 /NDF: 2039736.8/29

177.162 $\pm$ 0.034 χ^2 /NDF: 2887608.1/29

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 ± 9.884 χ^2/NDF : 15.5/16

Left Out: 20.204 ± 8.166 χ^2/NDF : 14.9/12

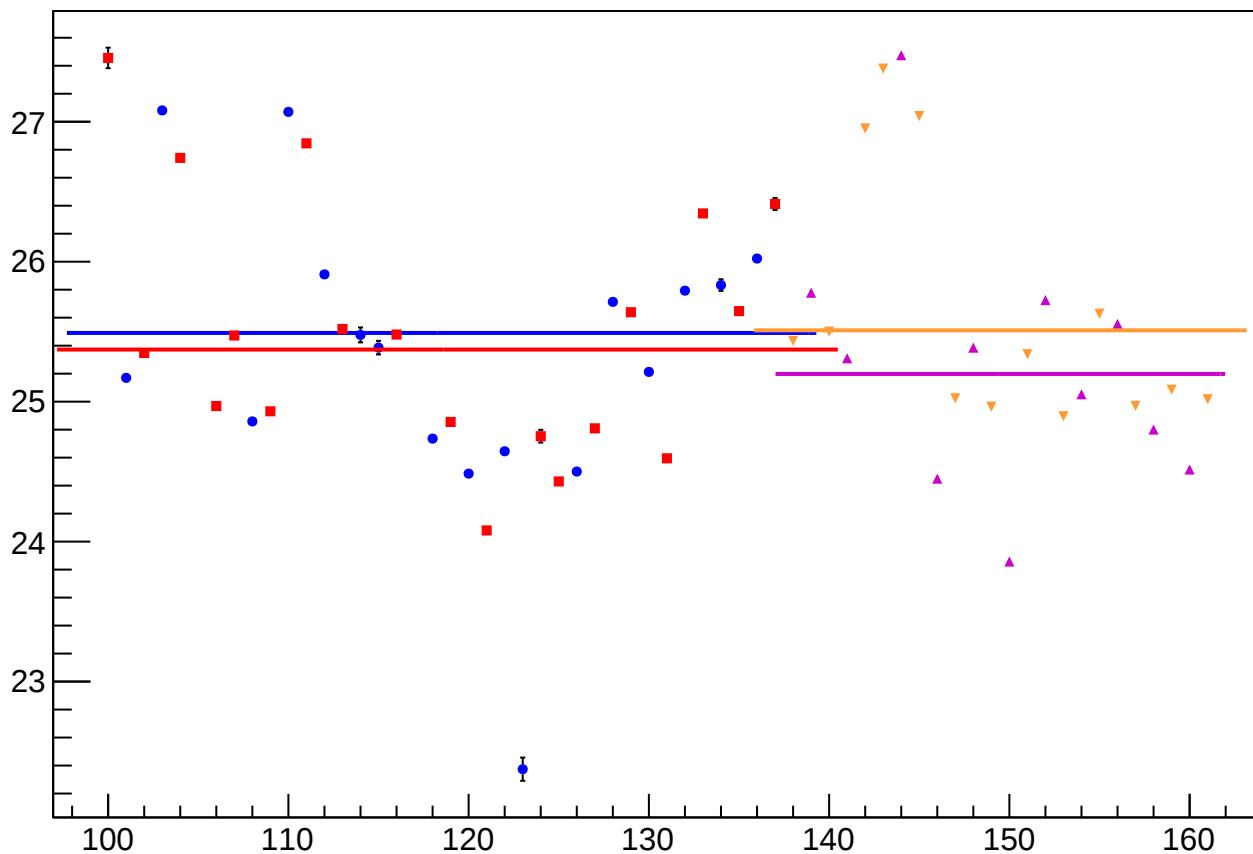
Right Out: -18.044 ± 9.499 χ^2/NDF : 19.5/18

Left In: -6.462 ± 8.413 χ^2/NDF : 9.5/10

12.182 ± 6.295 χ^2/NDF : 32.8/29

-11.553 ± 6.298 χ^2/NDF : 29.8/29

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 25.510 $\pm$ 0.006 χ^2 /NDF:17846.5/12

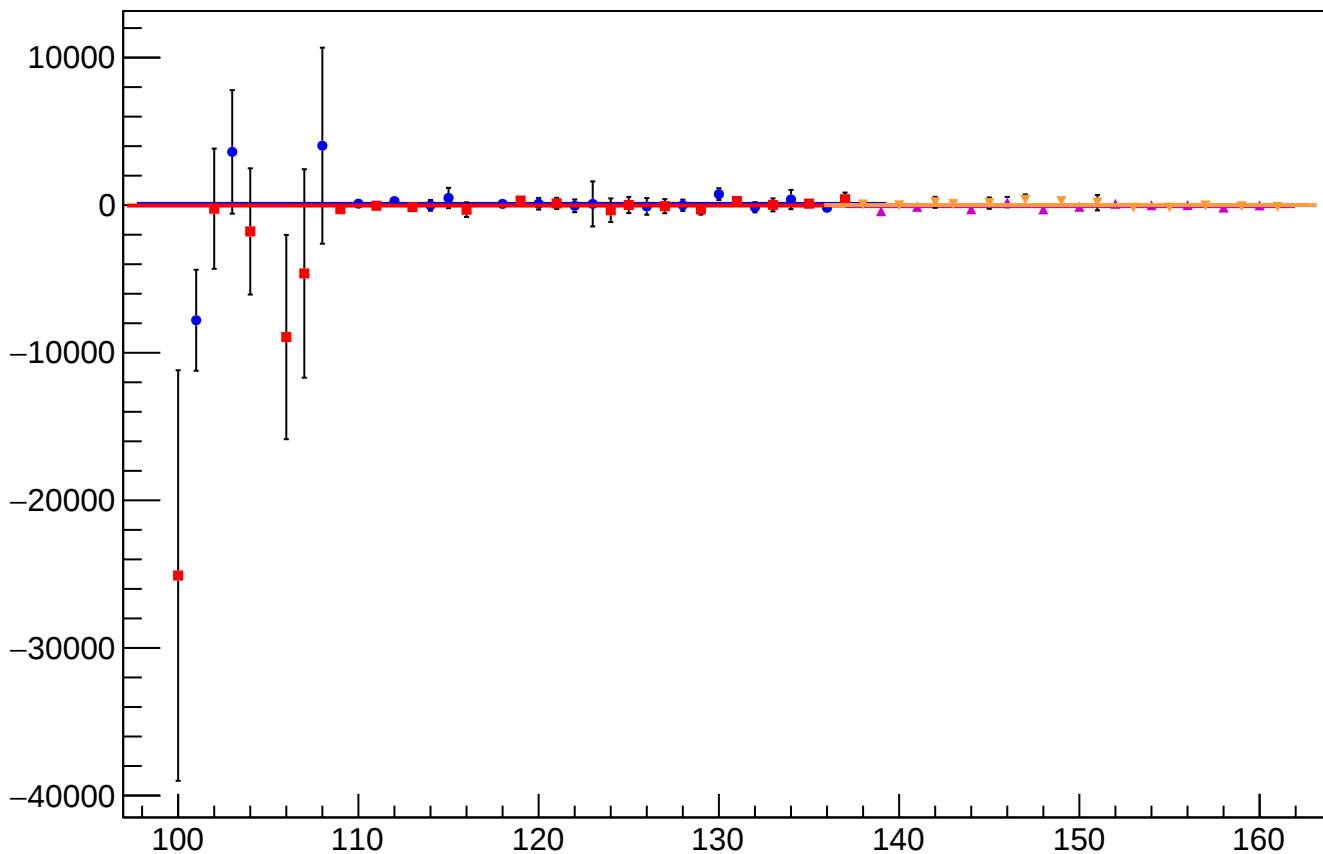
Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

Left In: 25.198 $\pm$ 0.006 χ^2 /NDF:22316.0/10

25.502 $\pm$ 0.004 χ^2 /NDF: 31563.8/29

25.275 $\pm$ 0.004 χ^2 /NDF: 36244.0/29

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: 9.062+/-77.178 χ^2/NDF : 3.9/12

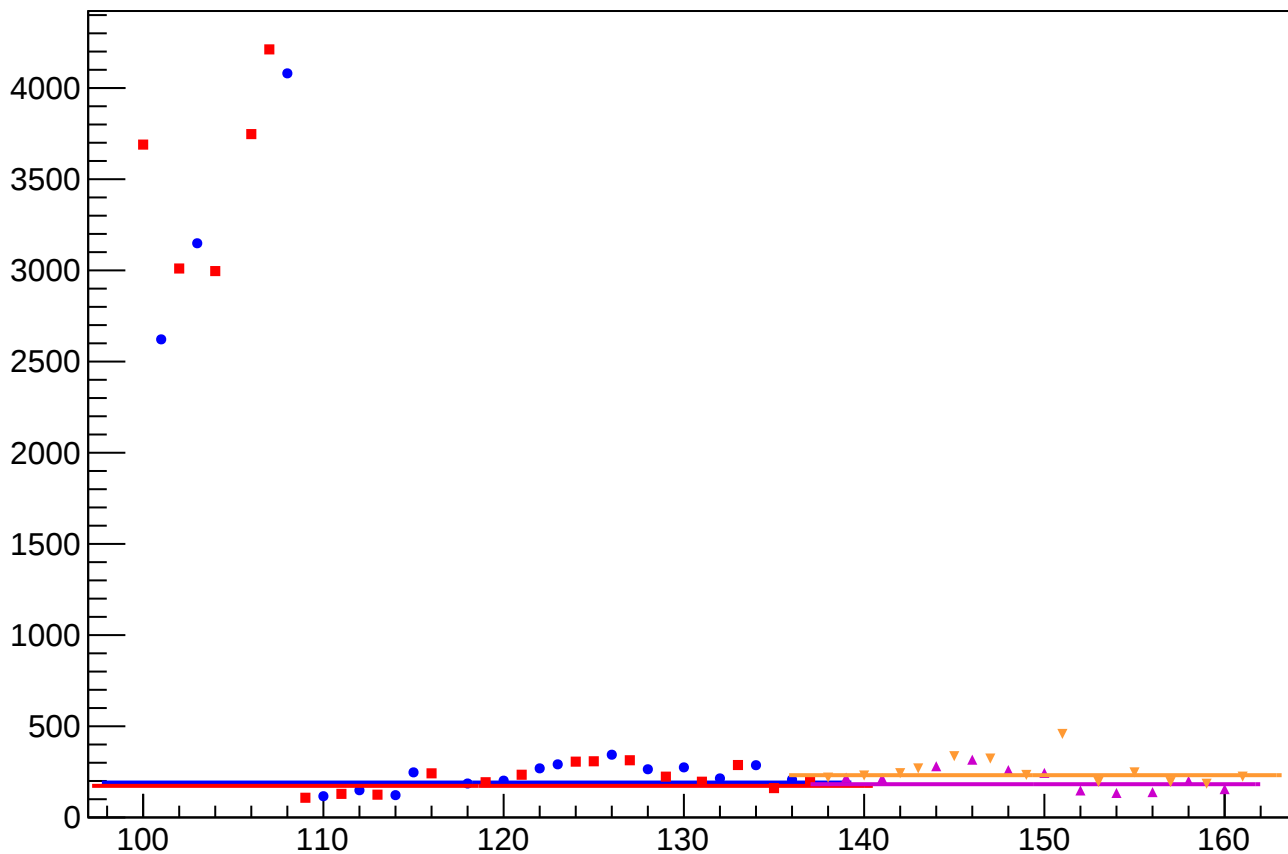
Right Out: -23.352+/-80.948 χ^2/NDF : 11.9/18

Left In: -64.125+/-65.363 χ^2/NDF : 4.6/10

42.571+/-58.145 χ^2/NDF : 16.8/29

-48.033+/-50.854 χ^2/NDF : 16.7/29

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: 231.803+/-0.055 χ^2/NDF : 893368.8/12

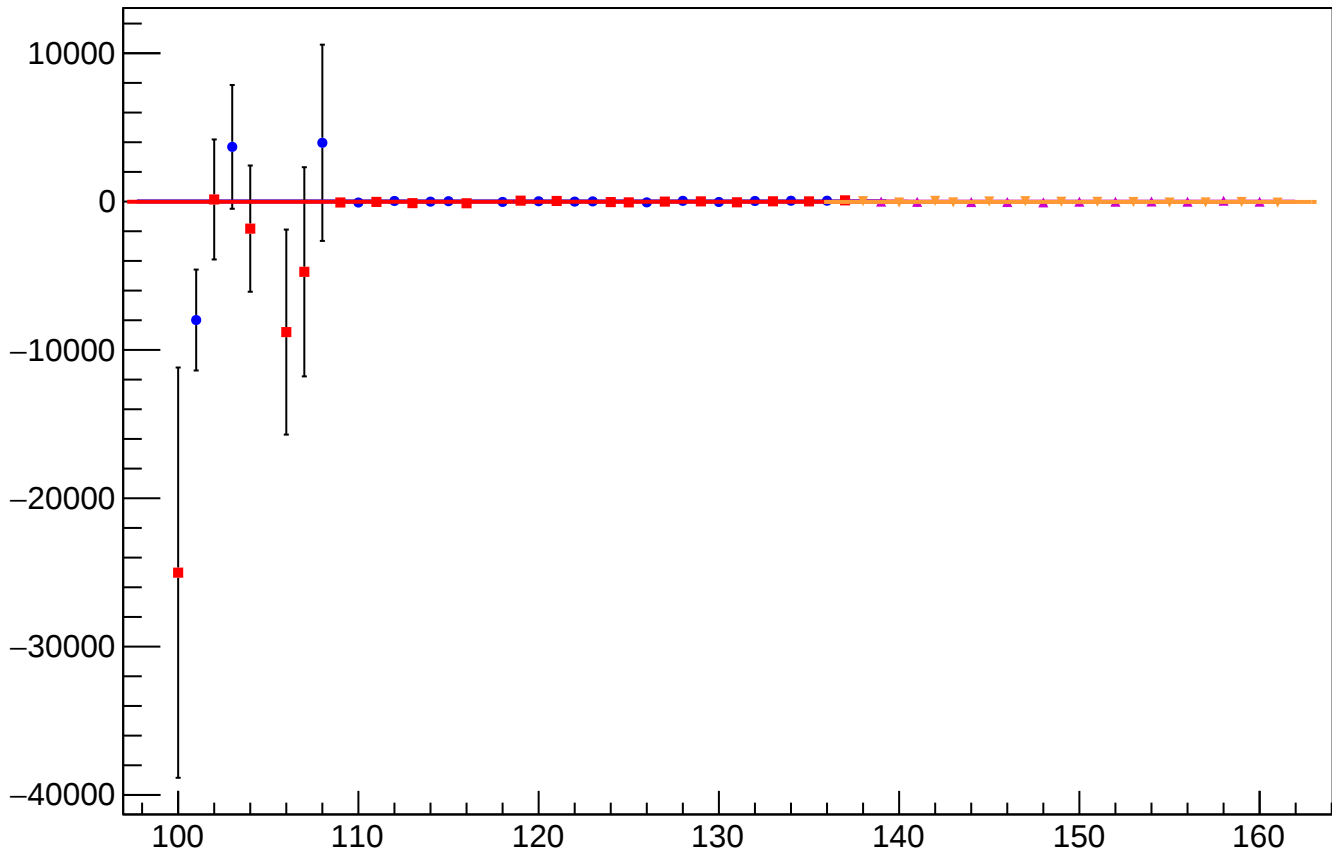
Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

Left In: 182.318+/-0.046 χ^2/NDF : 1281474.6/10

214.366+/-0.041 χ^2/NDF : 4702618.0/29

178.758+/-0.036 χ^2/NDF : 5503931.1/29

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: -24.079+/-9.522 χ^2/NDF :14.3/12

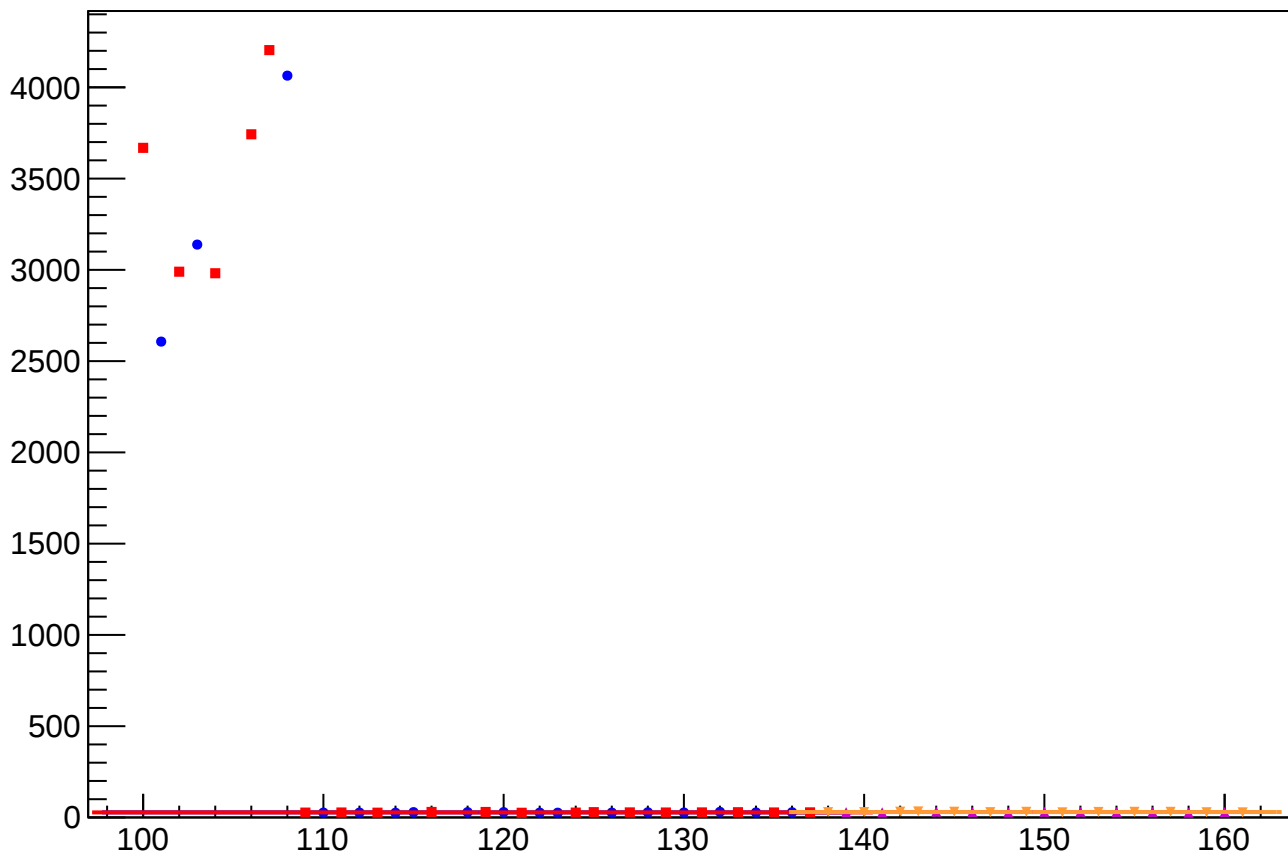
Right Out: -12.668+/-12.232 χ^2/NDF : 24.8/18

Left In: -6.509+/-9.949 χ^2/NDF :8.5/10

-11.178+/-7.525 χ^2/NDF : 37.5/29

-8.961+/-7.719 χ^2/NDF : 33.4/29

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 29.700+/-0.007 χ^2/NDF : 44526.3/12

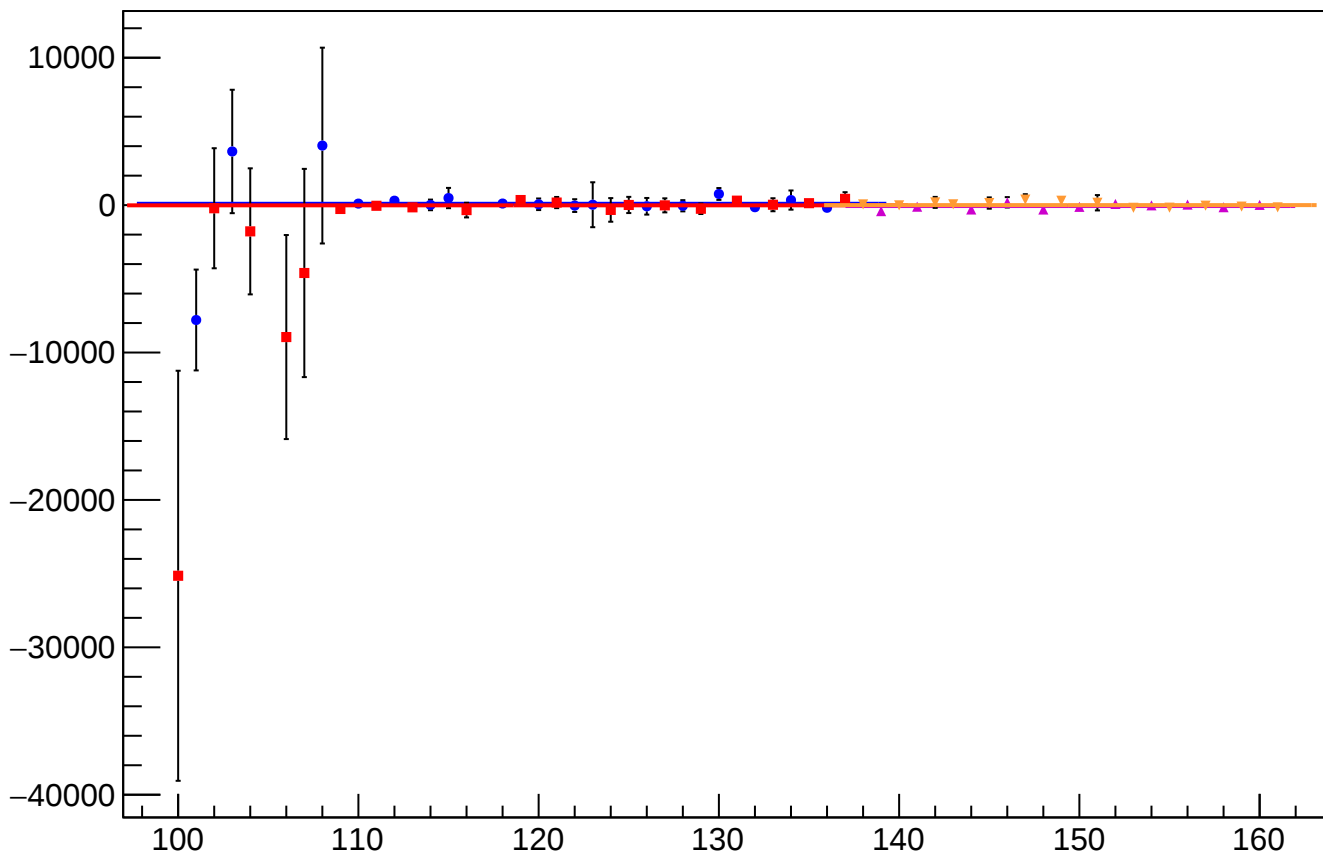
Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

Left In: 29.730+/-0.007 χ^2/NDF : 57160.4/10

29.007+/-0.005 χ^2/NDF : 3100394.6/29

28.920+/-0.005 χ^2/NDF : 3567343.1/29

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: 1.060+/-77.006 χ^2/NDF : 4.5/12

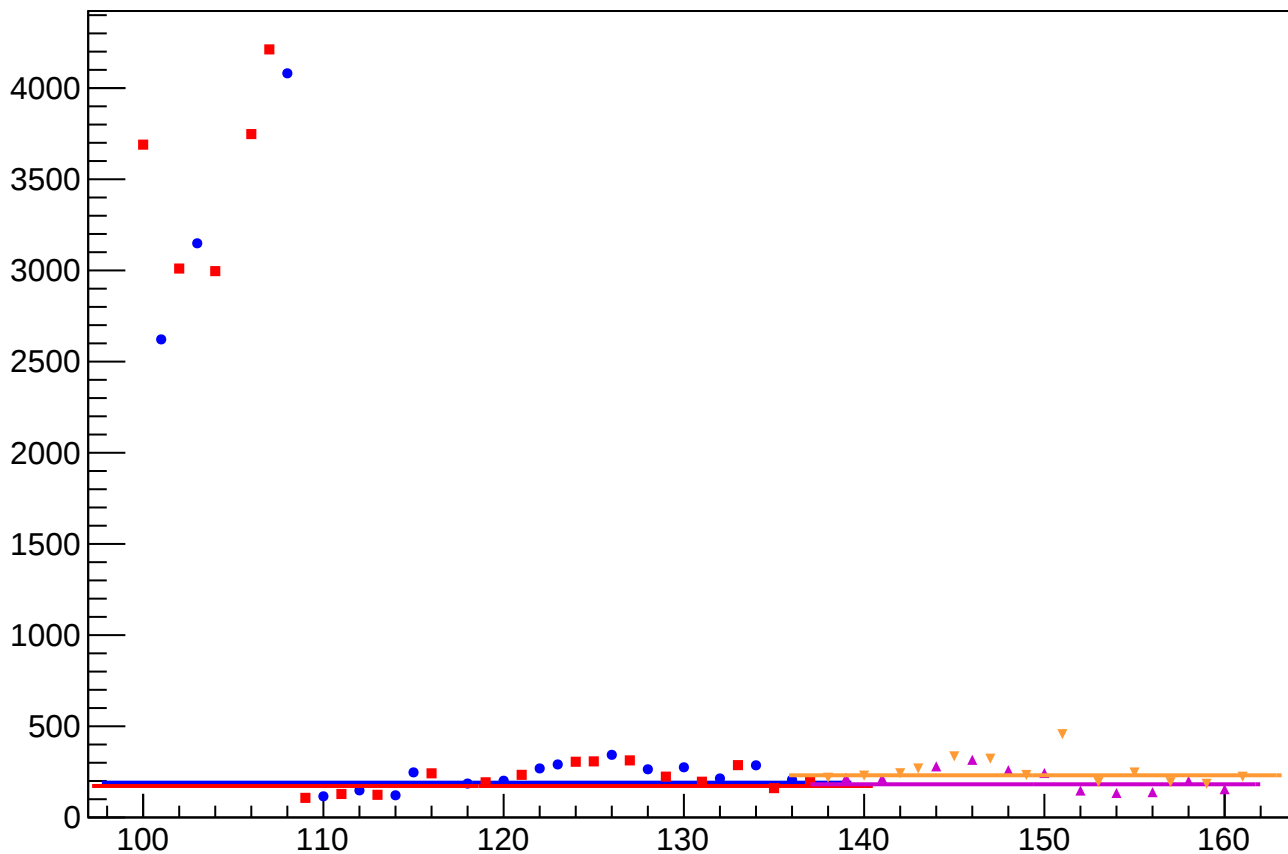
Right Out: -13.341+/-80.686 χ^2/NDF : 12.7/18

Left In: -61.421+/-65.232 χ^2/NDF : 4.8/10

39.892+/-57.994 χ^2/NDF : 17.9/29

-42.417+/-50.727 χ^2/NDF : 17.7/29

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

213.751+/-0.041 χ^2/NDF : 4718100.0/29

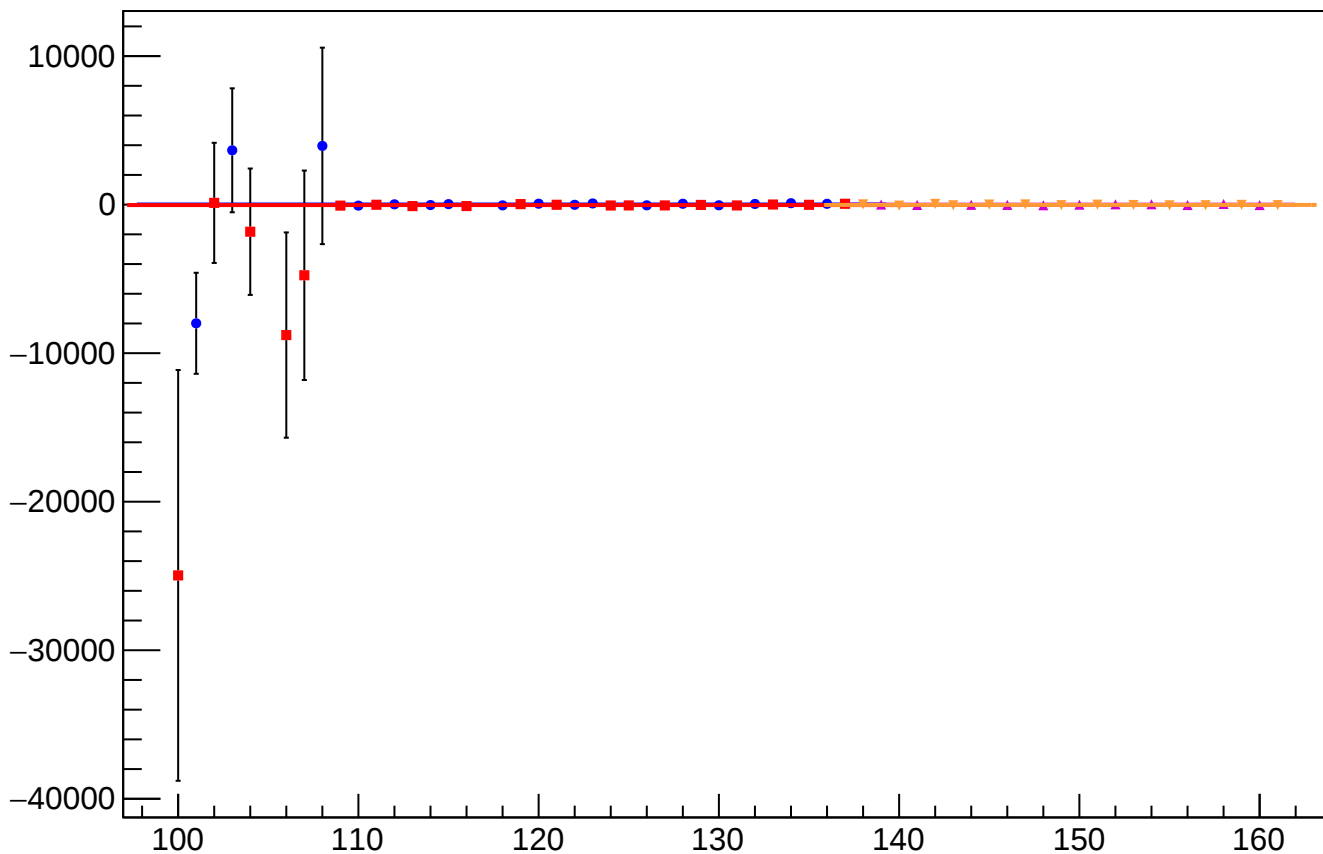
Left Out: 231.290+/-0.054 χ^2/NDF : 893371.0/12

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

178.268+/-0.036 χ^2/NDF : 5516427.4/29

Left In: 181.954+/-0.046 χ^2/NDF : 1281649.7/10

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: -18.732+/-9.601 χ^2/NDF : 9.1/12

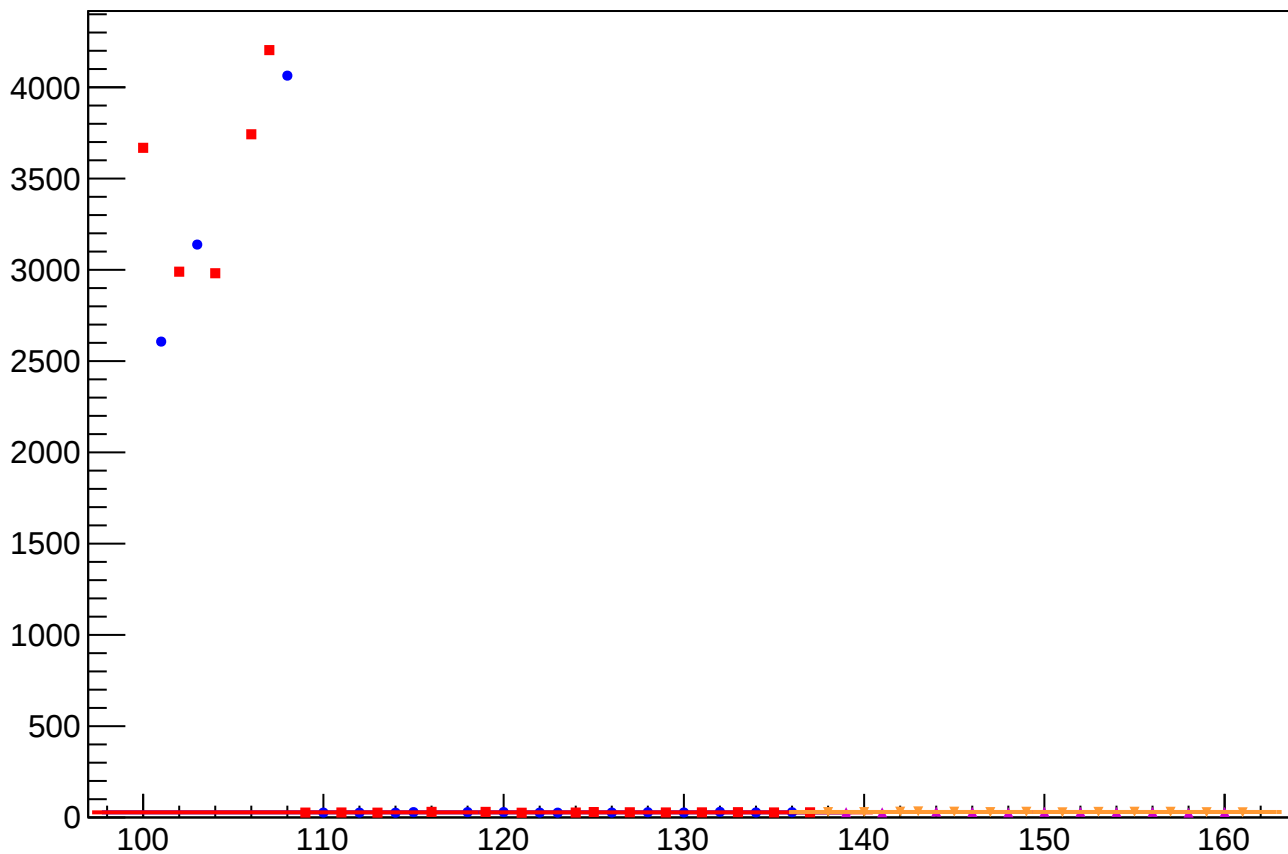
Right Out: -29.397+/-12.333 χ^2/NDF : 16.8/18

Left In: -3.729+/-10.009 χ^2/NDF : 7.2/10

-8.454+/-7.584 χ^2/NDF : 35.3/29

-13.921+/-7.772 χ^2/NDF : 26.6/29

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: 29.945+/-0.007 χ^2/NDF : 45411.3/12

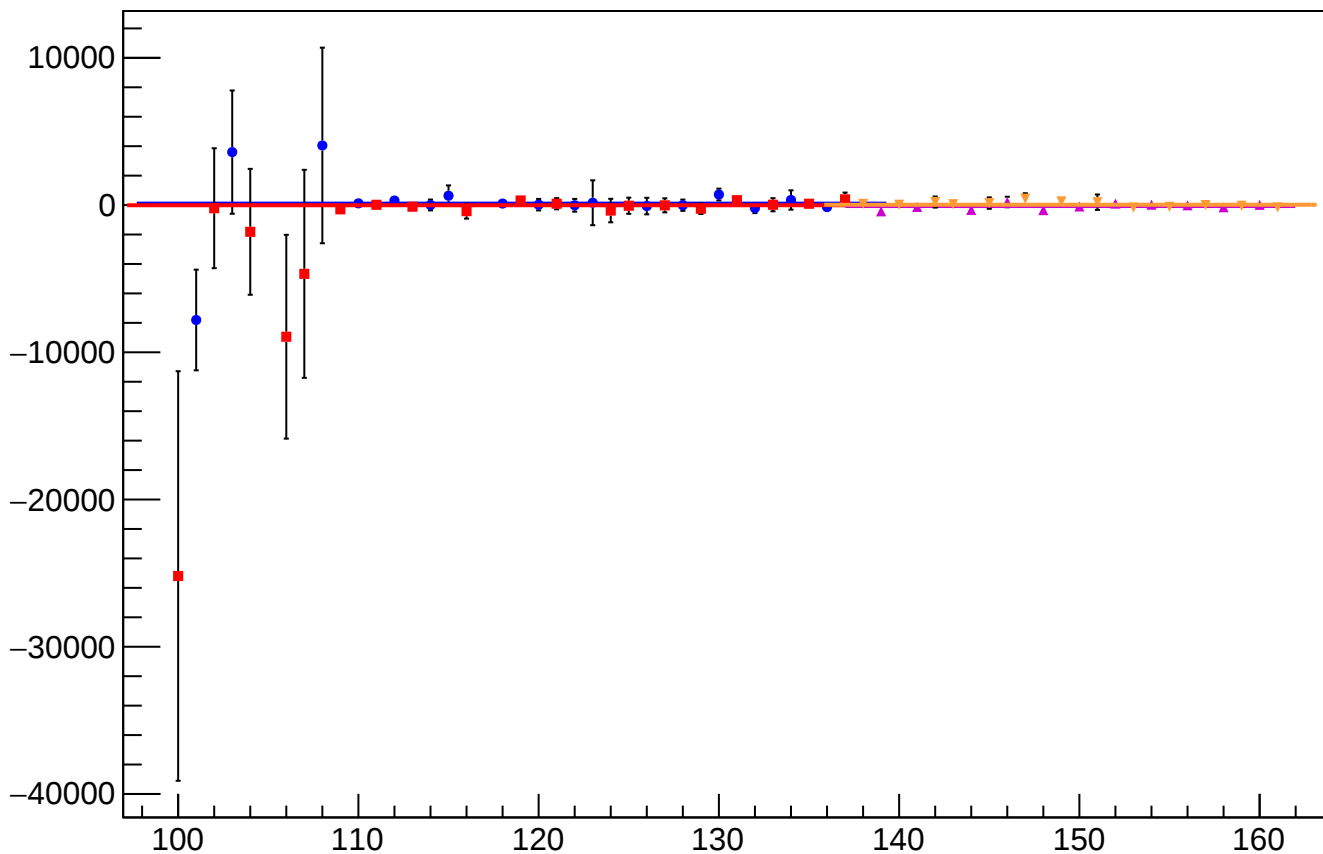
Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

Left In: 29.911+/-0.007 χ^2/NDF : 59033.6/10

29.230+/-0.005 χ^2/NDF : 3102792.6/29

29.120+/-0.005 χ^2/NDF : 3570220.4/29

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: 23.057 $\pm$ 77.914 χ^2 /NDF: 4.0/12

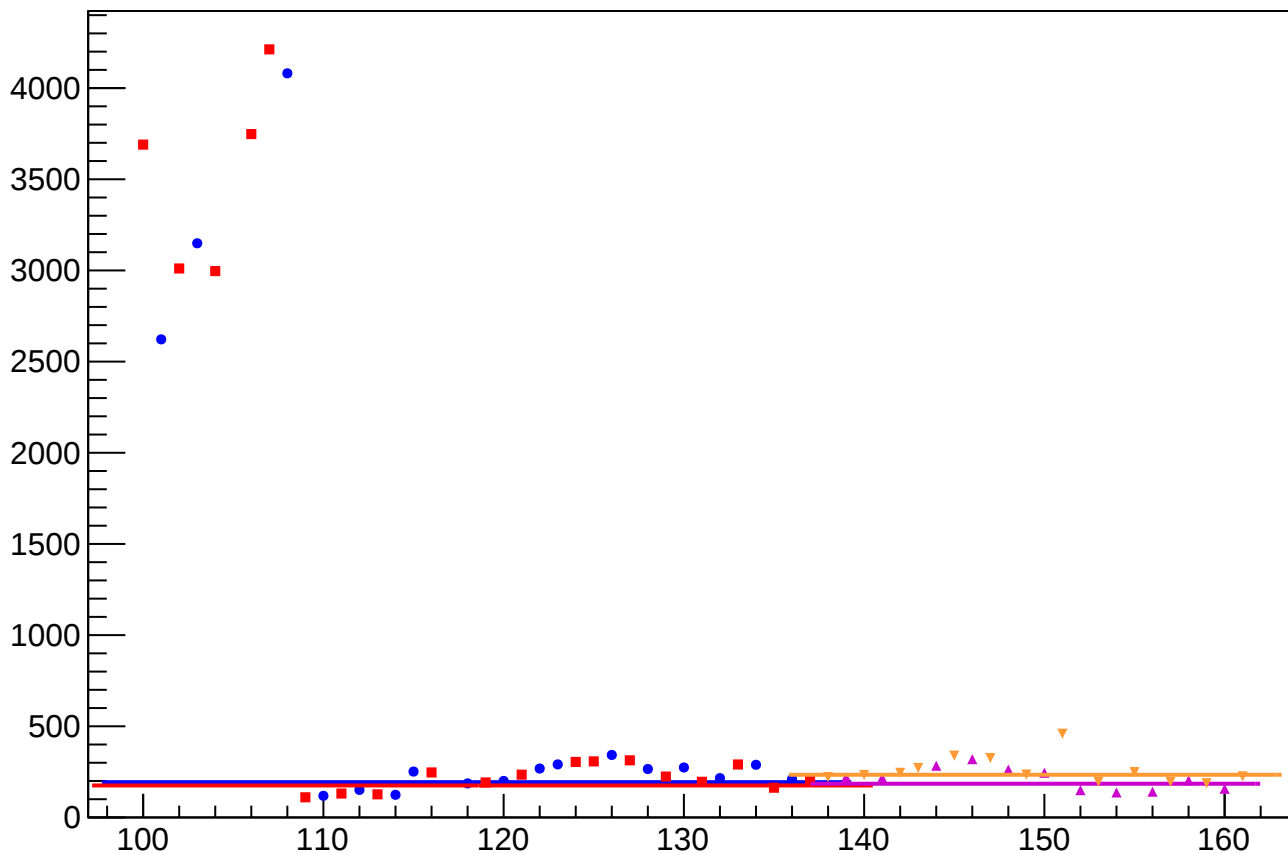
Right Out: -11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

Left In: -65.204 $\pm$ 66.212 χ^2 /NDF: 5.5/10

55.550 $\pm$ 58.681 χ^2 /NDF: 17.0/29

-44.028 $\pm$ 51.458 χ^2 /NDF: 18.1/29

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: 234.144+/-0.055 χ^2/NDF : 883873.7/12

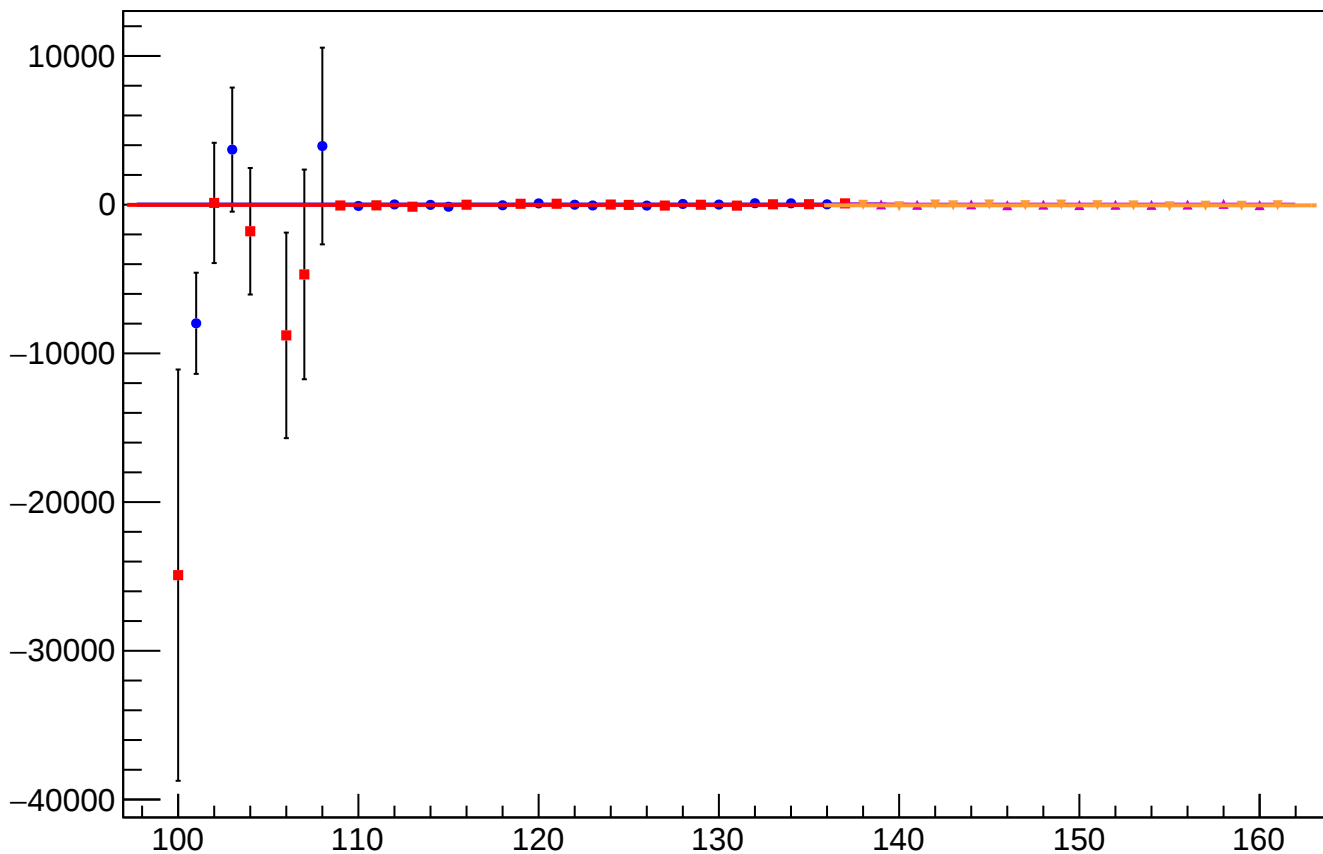
Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

Left In: 184.922+/-0.047 χ^2/NDF : 1256501.4/10

216.562+/-0.041 χ^2/NDF : 4656154.2/29

181.194+/-0.036 χ^2/NDF : 5438082.1/29

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -45.311 $\pm$ 11.280 χ^2 /NDF:11.7/12

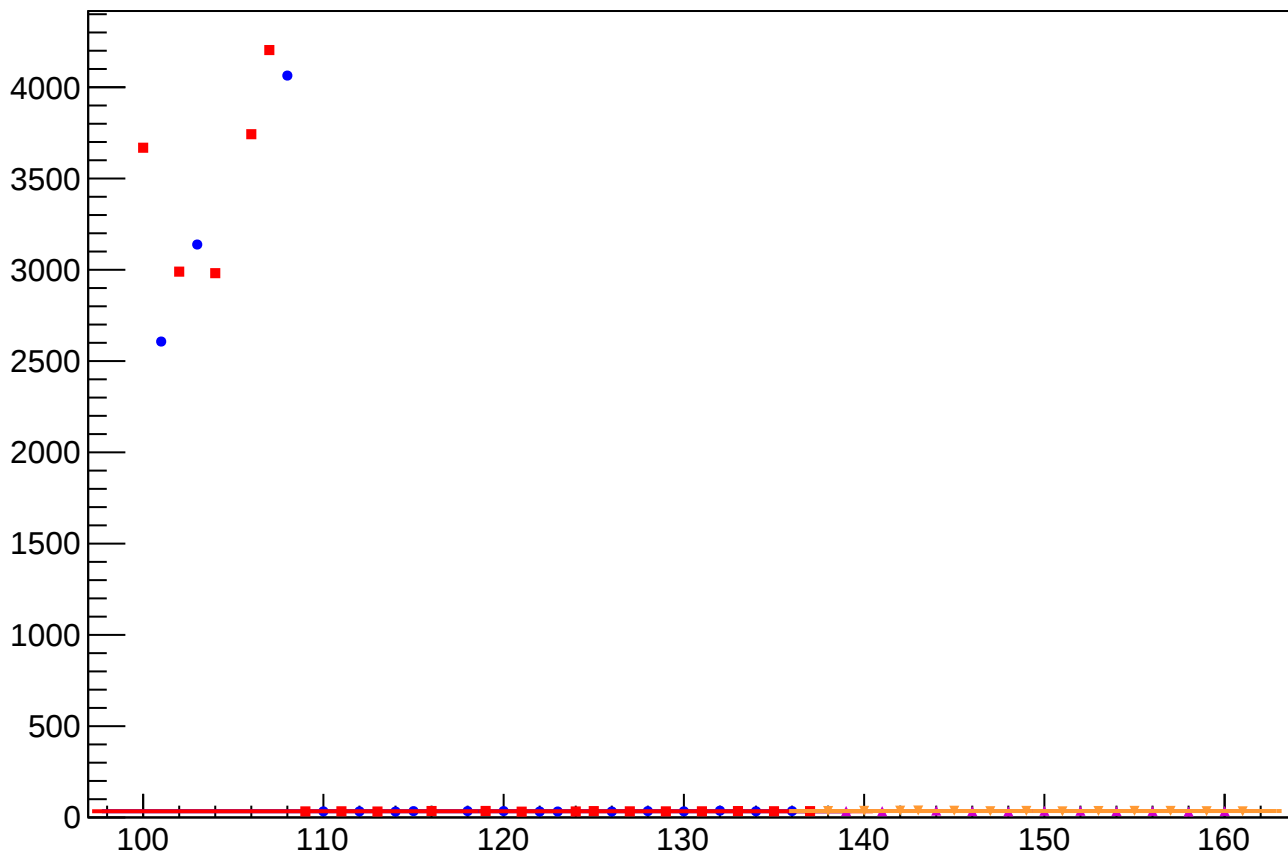
Right Out: -12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

Left In: 1.465 $\pm$ 11.798 χ^2 /NDF:4.8/10

-27.014 $\pm$ 9.026 χ^2 /NDF: 39.5/29

-3.762 $\pm$ 9.262 χ^2 /NDF: 27.2/29

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: 35.229+/-0.008 χ^2/NDF : 26927.3/12

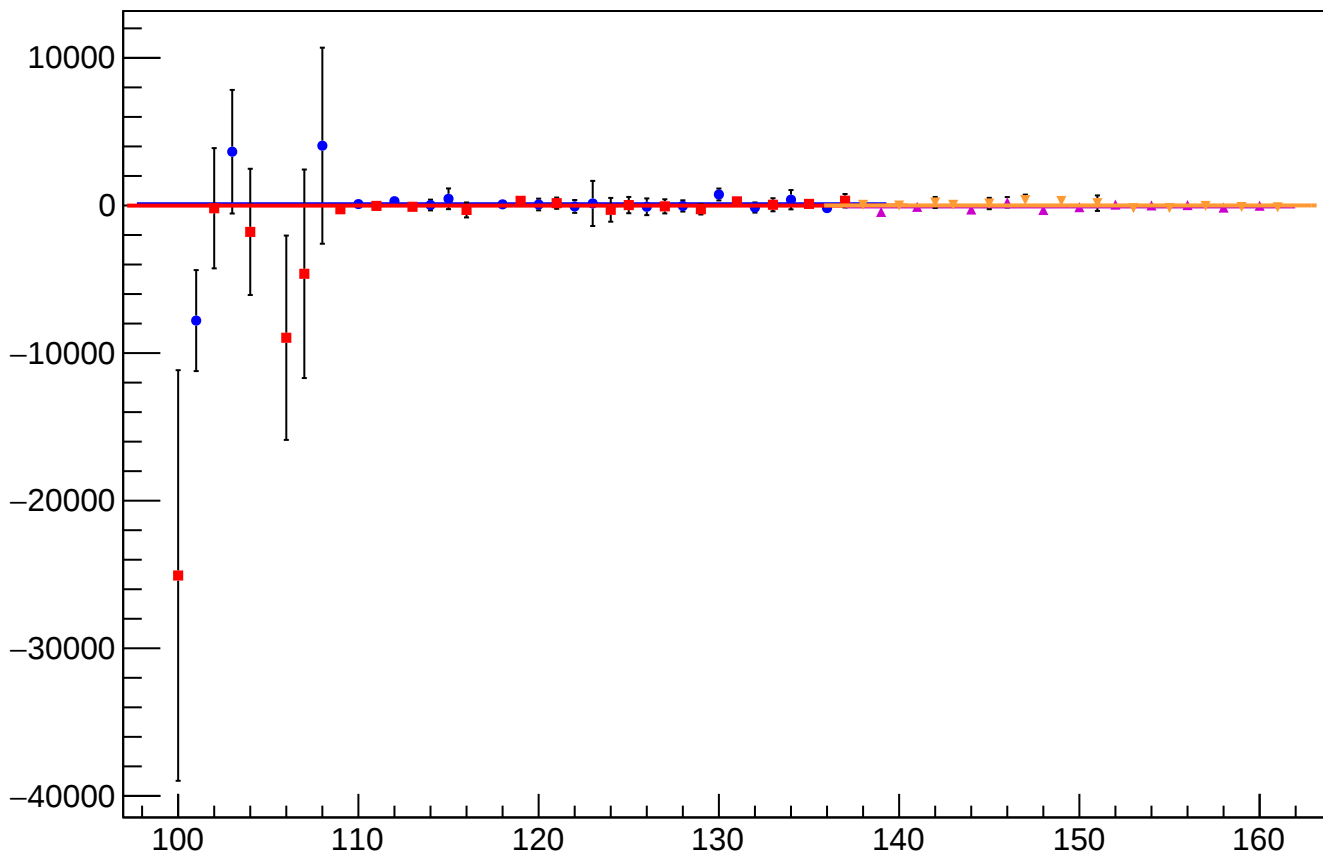
Right Out: 33.913+/-0.011 χ^2/NDF : 3451912.6/18

Left In: 35.324+/-0.008 χ^2/NDF : 24670.7/10

34.847+/-0.006 χ^2/NDF : 3039804.7/29

34.782+/-0.007 χ^2/NDF : 3487562.5/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: 3.332+/-77.684 χ^2/NDF : 4.4/12

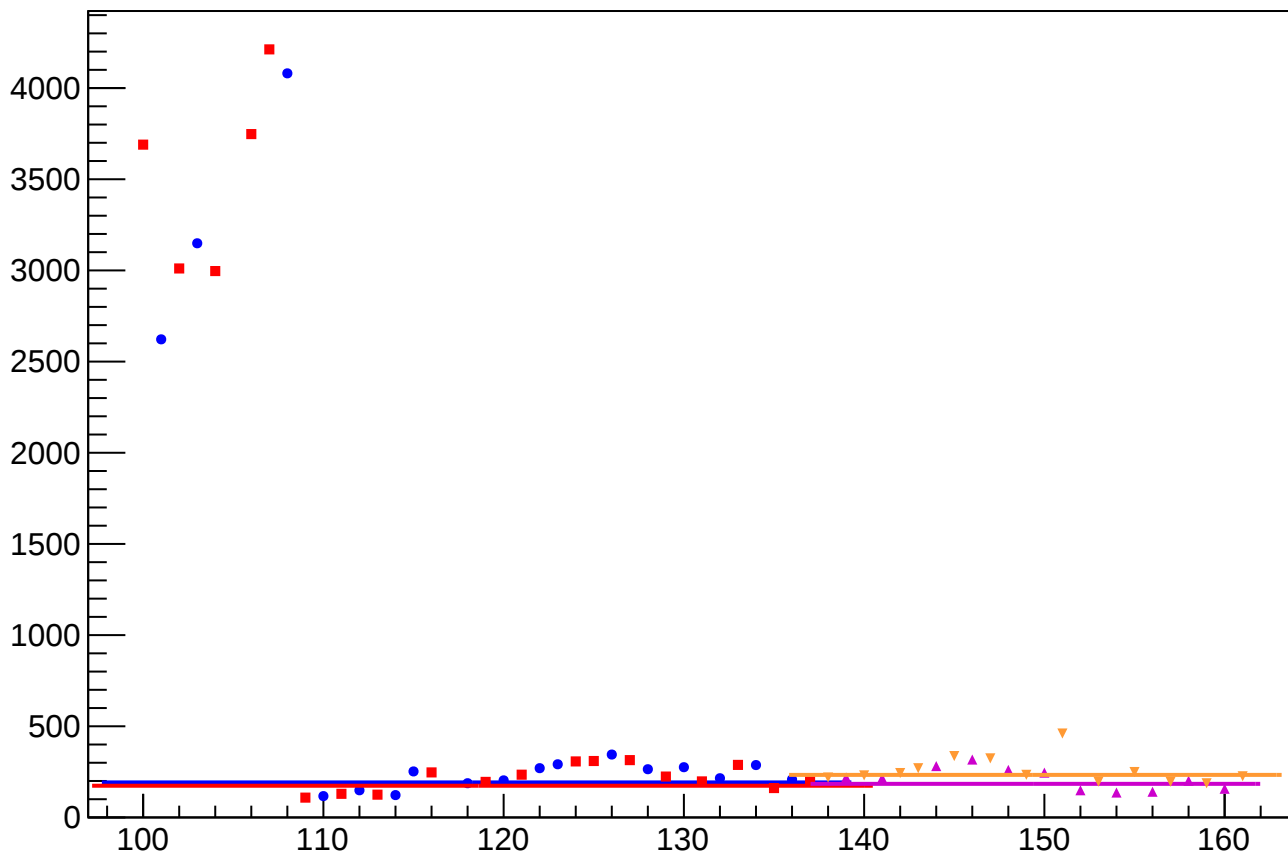
Right Out: -8.565+/-81.257 χ^2/NDF : 11.1/18

Left In: -66.000+/-65.985 χ^2/NDF : 4.9/10

38.547+/-58.453 χ^2/NDF : 17.4/29

-43.176+/-51.223 χ^2/NDF : 16.2/29

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: 233.471+/-0.055 χ^2/NDF : 877026.6/12

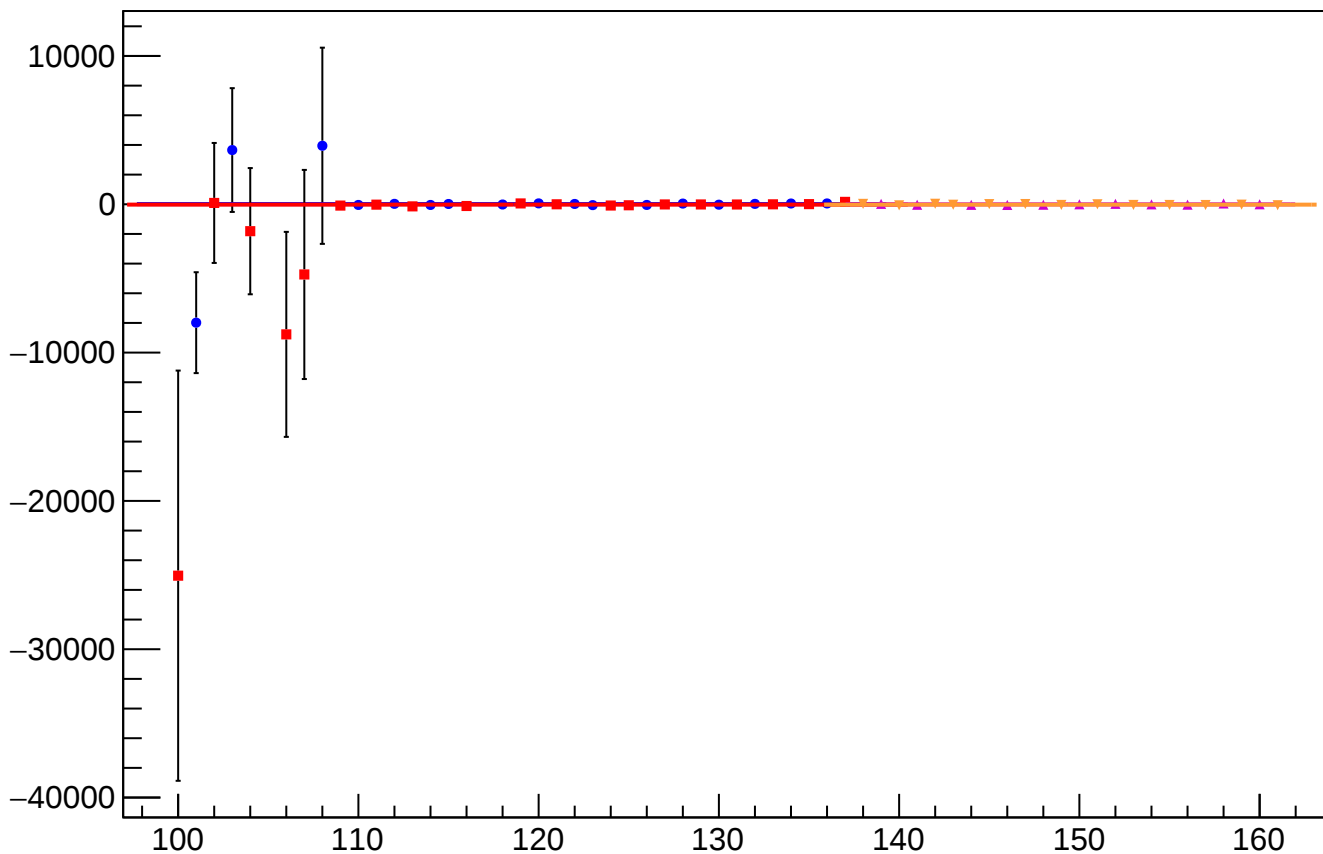
Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

Left In: 184.320+/-0.047 χ^2/NDF : 1241561.8/10

215.556+/-0.041 χ^2/NDF : 4696804.9/29

180.203+/-0.036 χ^2/NDF : 5472768.7/29

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: -25.169+/-10.254 χ^2/NDF :10.3/12

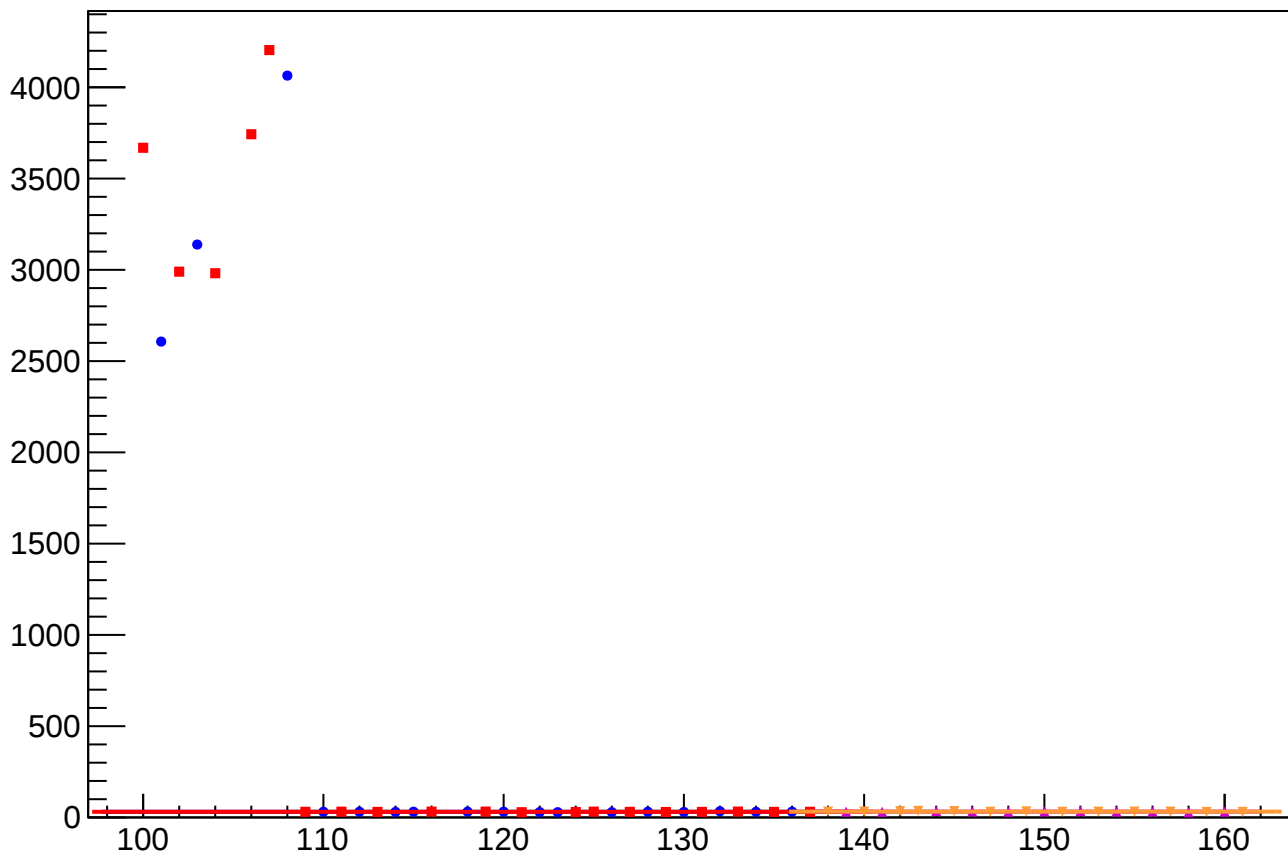
Right Out: -22.618+/-13.660 χ^2/NDF : 28.0/18

Left In: -4.976+/-10.697 χ^2/NDF :8.7/10

-11.583+/-8.215 χ^2/NDF : 29.8/29

-11.682+/-8.422 χ^2/NDF : 37.8/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 31.991+/-0.007 χ^2/NDF : 47078.5/12

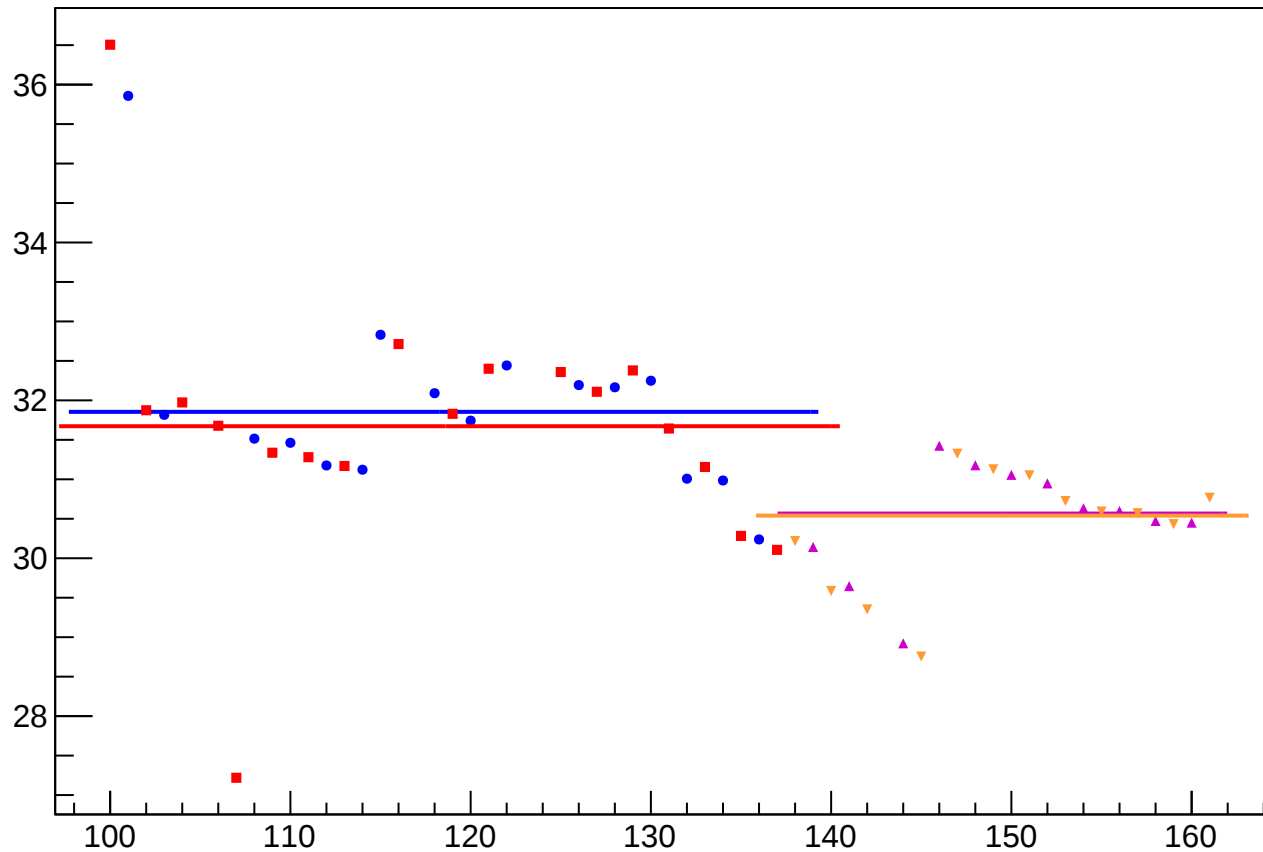
Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

Left In: 31.966+/-0.008 χ^2/NDF : 53200.2/10

31.691+/-0.006 χ^2/NDF : 3066376.7/29

31.585+/-0.006 χ^2/NDF : 3518819.7/29

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.540+/-0.000 χ^2/NDF : 595345877.3/11

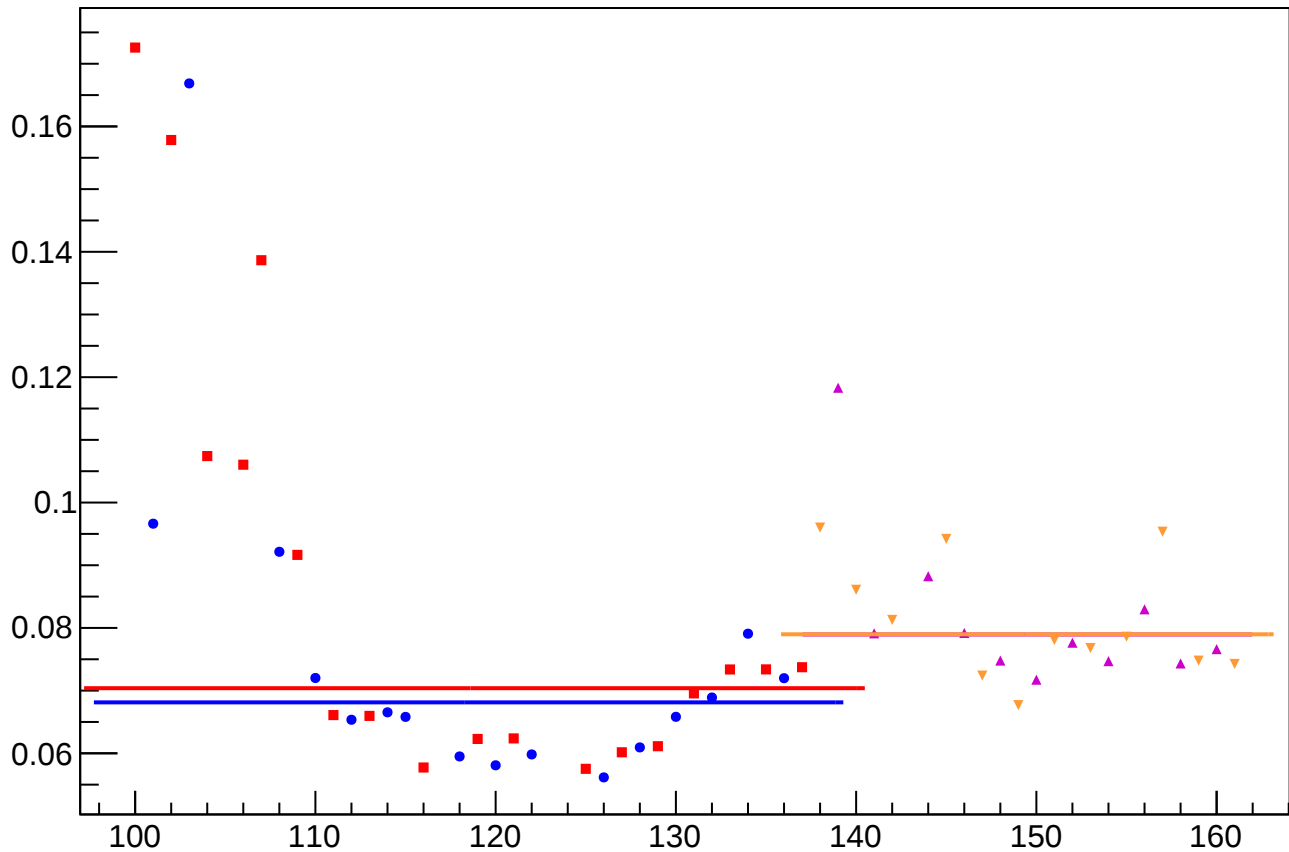
Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

Left In: 30.566+/-0.000 χ^2/NDF : 564589714.0/10

31.183+/-0.000 χ^2/NDF : 3264195283.6/27

31.097+/-0.000 χ^2/NDF : 2242047161.4/28

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF : 629767.4/15

Left Out: 0.079+/-0.000 χ^2/NDF :191847.1/11

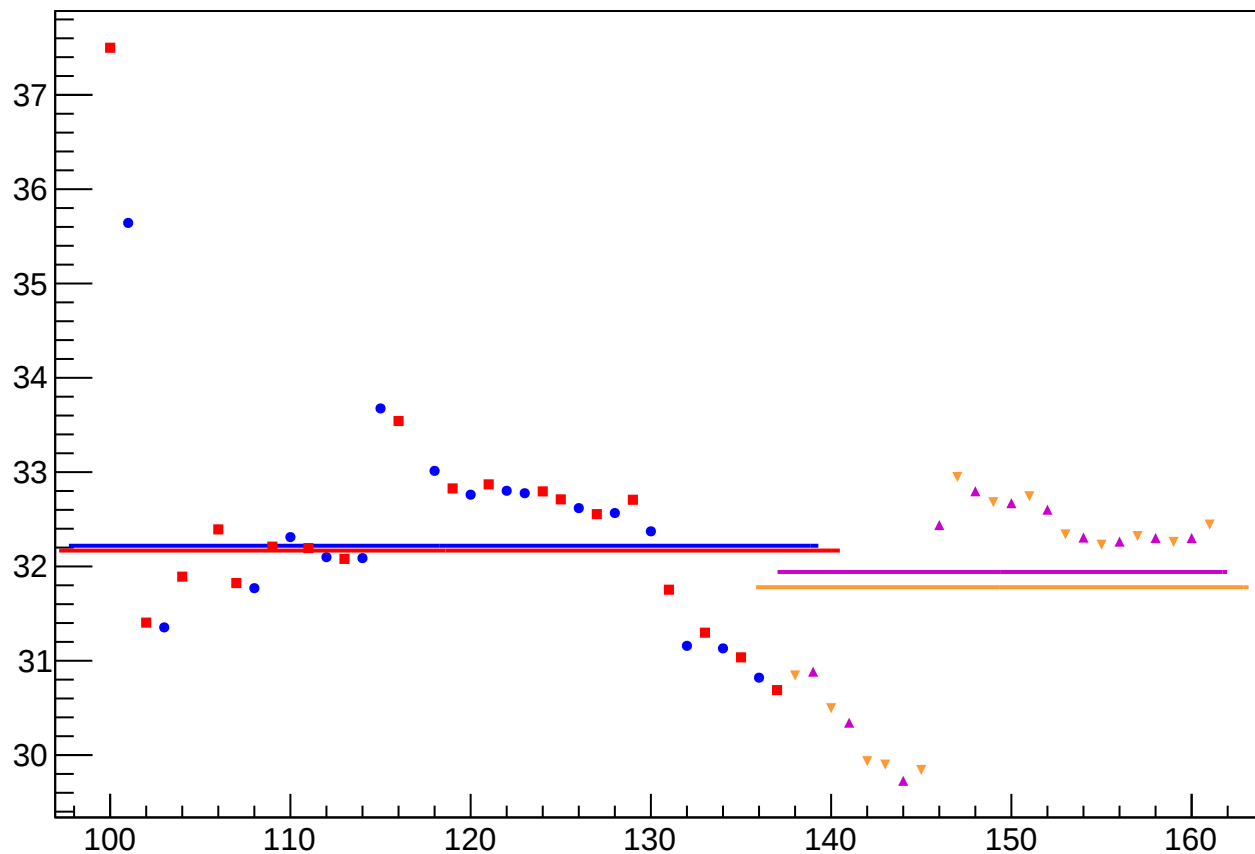
Right Out: 0.070+/-0.000 χ^2/NDF : 841320.1/17

Left In: 0.079+/-0.000 χ^2/NDF :207740.8/10

0.074+/-0.000 χ^2/NDF : 971495.1/27

0.075+/-0.000 χ^2/NDF : 1140081.7/28

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.779+/-0.000 χ^2/NDF : 1801379484.2/12

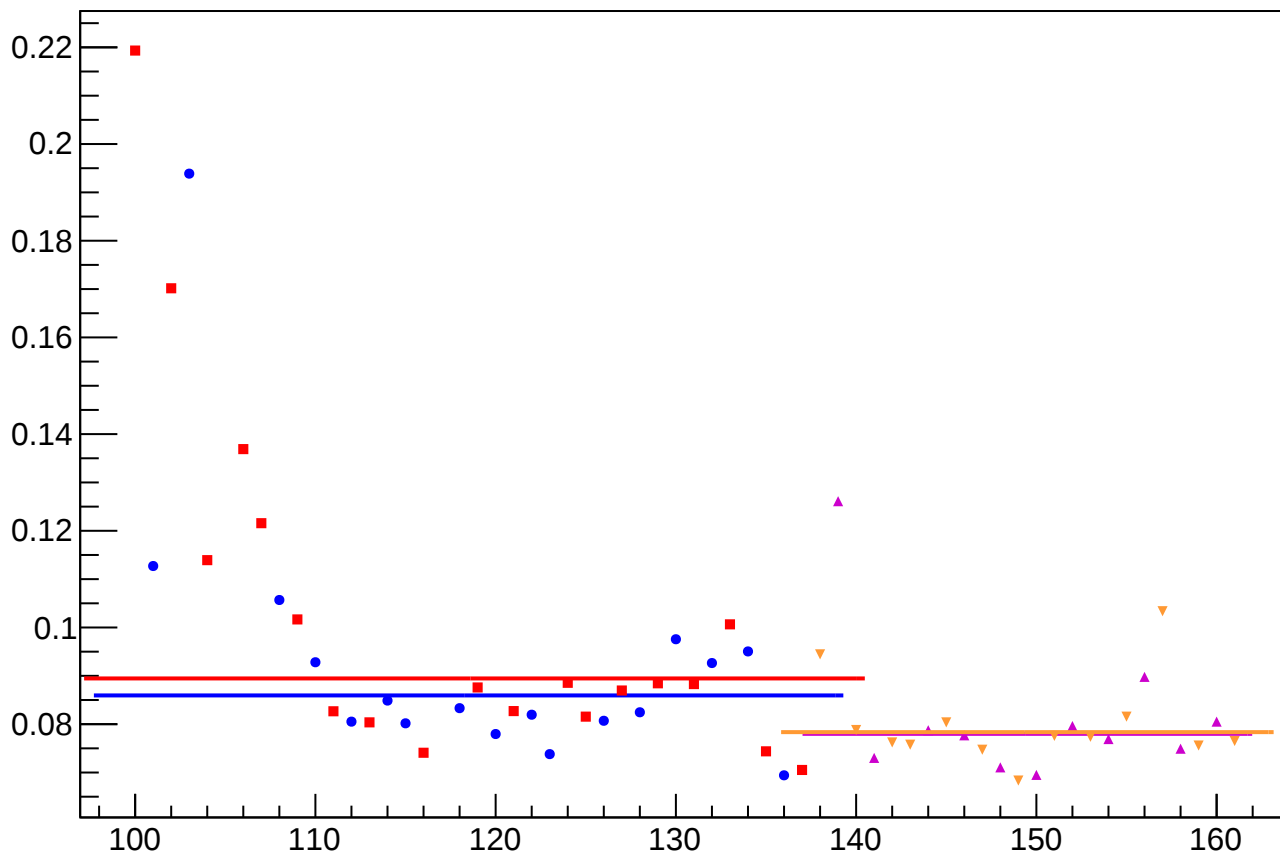
Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

Left In: 31.941+/-0.000 χ^2/NDF : 1376640128.5/10

31.936+/-0.000 χ^2/NDF : 2913224583.0/29

32.024+/-0.000 χ^2/NDF : 1844147014.7/29

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.078+/-0.000 χ^2/NDF :158504.8/12

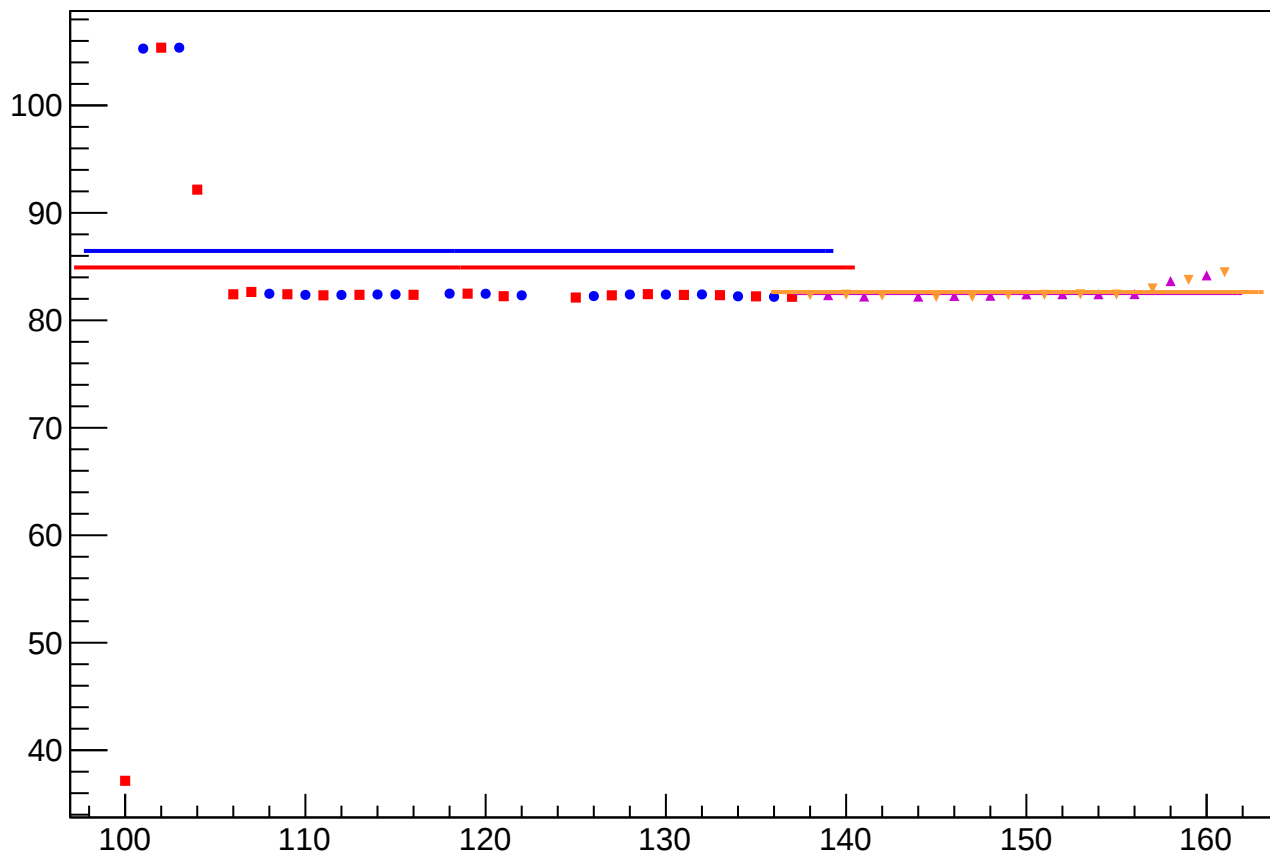
Right Out: 0.089+/-0.000 χ^2/NDF : 539869.9/18

Left In: 0.078+/-0.000 χ^2/NDF :279599.7/10

0.081+/-0.000 χ^2/NDF : 770111.0/29

0.082+/-0.000 χ^2/NDF : 947794.2/29

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.630+/-0.000 χ^2/NDF : 1958142266.0/11

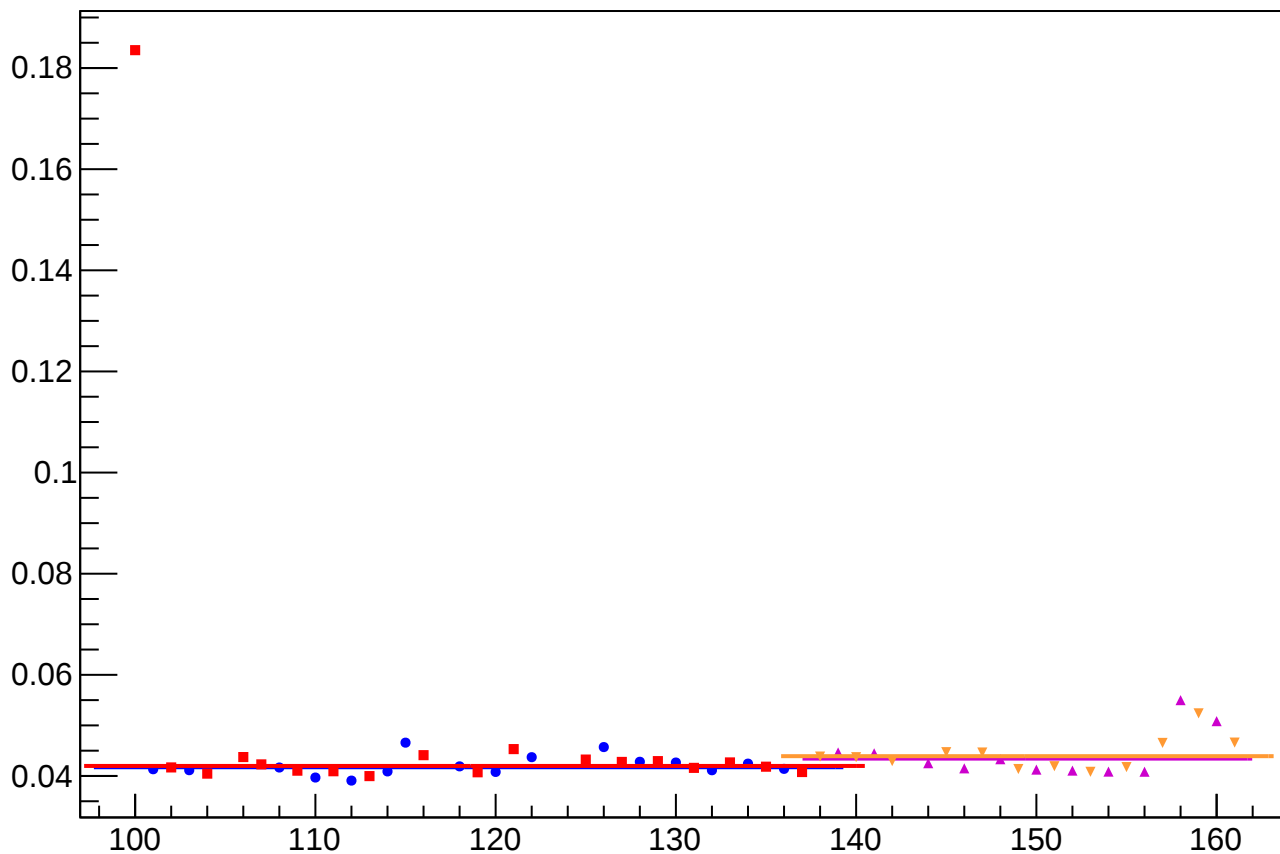
Right Out: 84.920+/-0.000 χ^2/NDF : 172195187677.7/17

Left In: 82.536+/-0.000 χ^2/NDF : 1326885304.7/10

84.352+/-0.000 χ^2/NDF : 323735225684.7/27

83.623+/-0.000 χ^2/NDF : 185595733207.0/28

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 : 75121.1/11

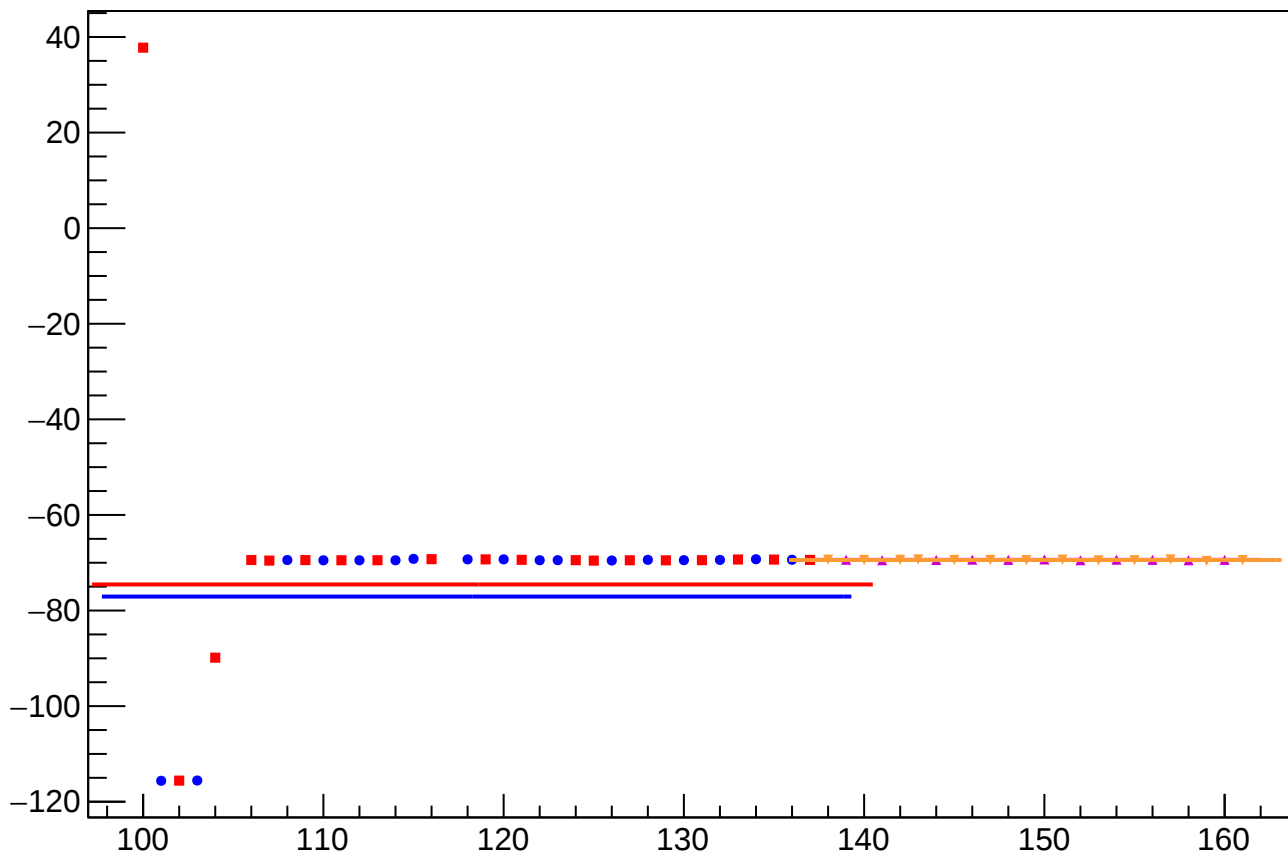
Right Out: 0.042+/-0.000 χ^2/NDF : 96869.3/17

Left In: 0.043+/-0.000 χ^2/NDF : 132105.8/10

0.043+/-0.000 χ^2/NDF : 113808.0/27

0.043+/-0.000 χ^2/NDF : 237943.7/28

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.425+/-0.000 χ^2/NDF : 20327304.6/12

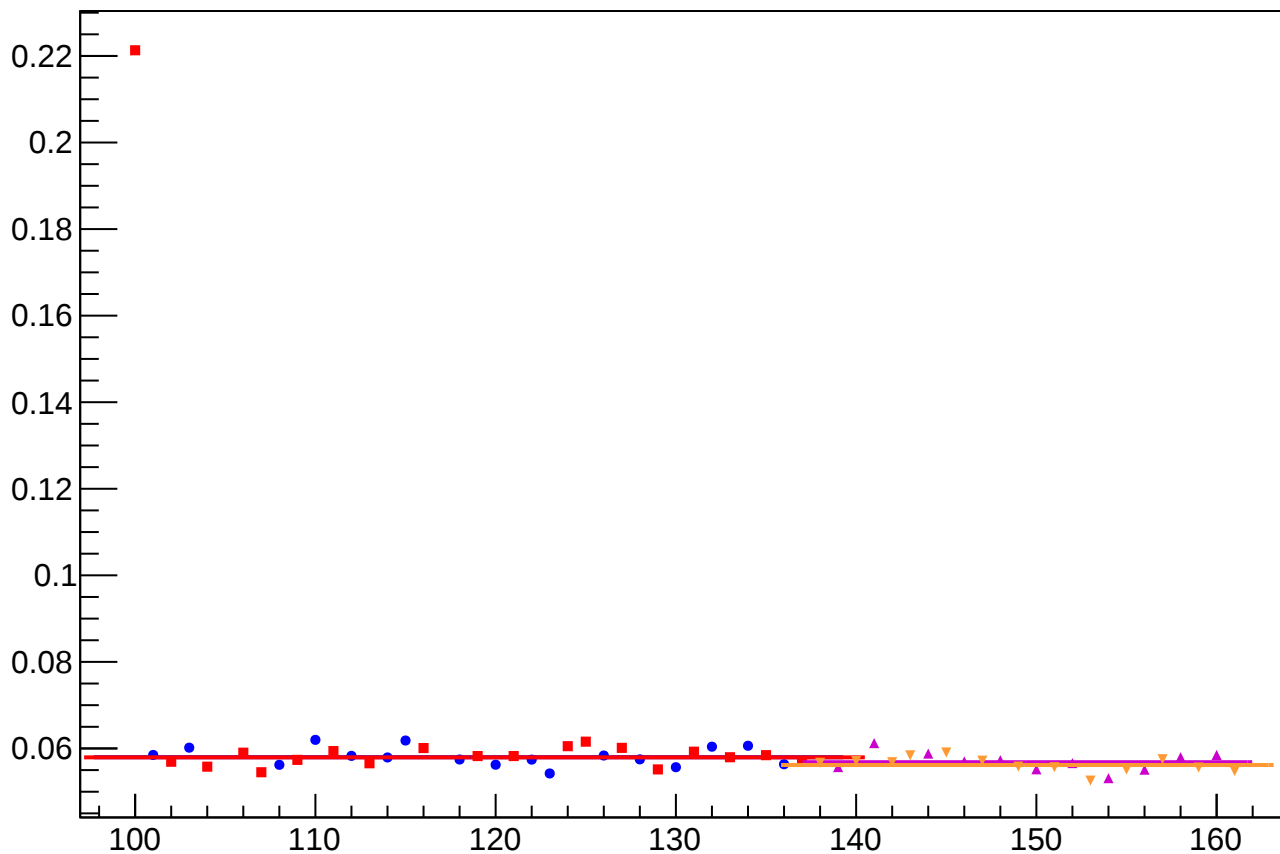
Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

Left In: -69.396+/-0.000 χ^2/NDF : 7546841.4/10

-72.415+/-0.000 χ^2/NDF : 633655621060.3/29

-71.621+/-0.000 χ^2/NDF : 402672112361.2/29

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.056+/-0.000 χ^2/NDF : 16506.9/12

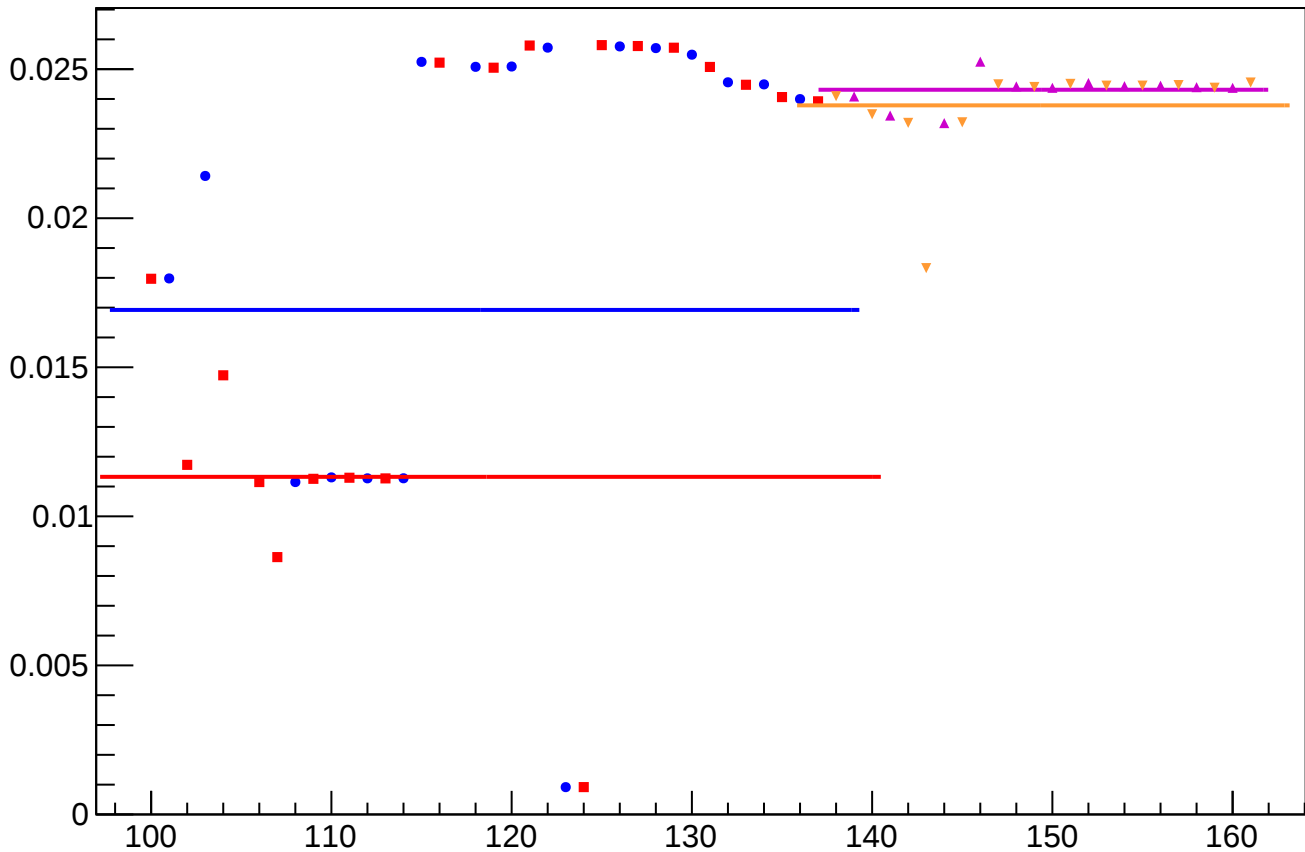
Right Out: 0.058+/-0.000 χ^2/NDF : 86466.5/18

Left In: 0.057+/-0.000 χ^2/NDF : 23786.7/10

0.057+/-0.000 χ^2/NDF : 36334.8/29

0.057+/-0.000 χ^2/NDF : 113159.1/29

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5042622885.5/12

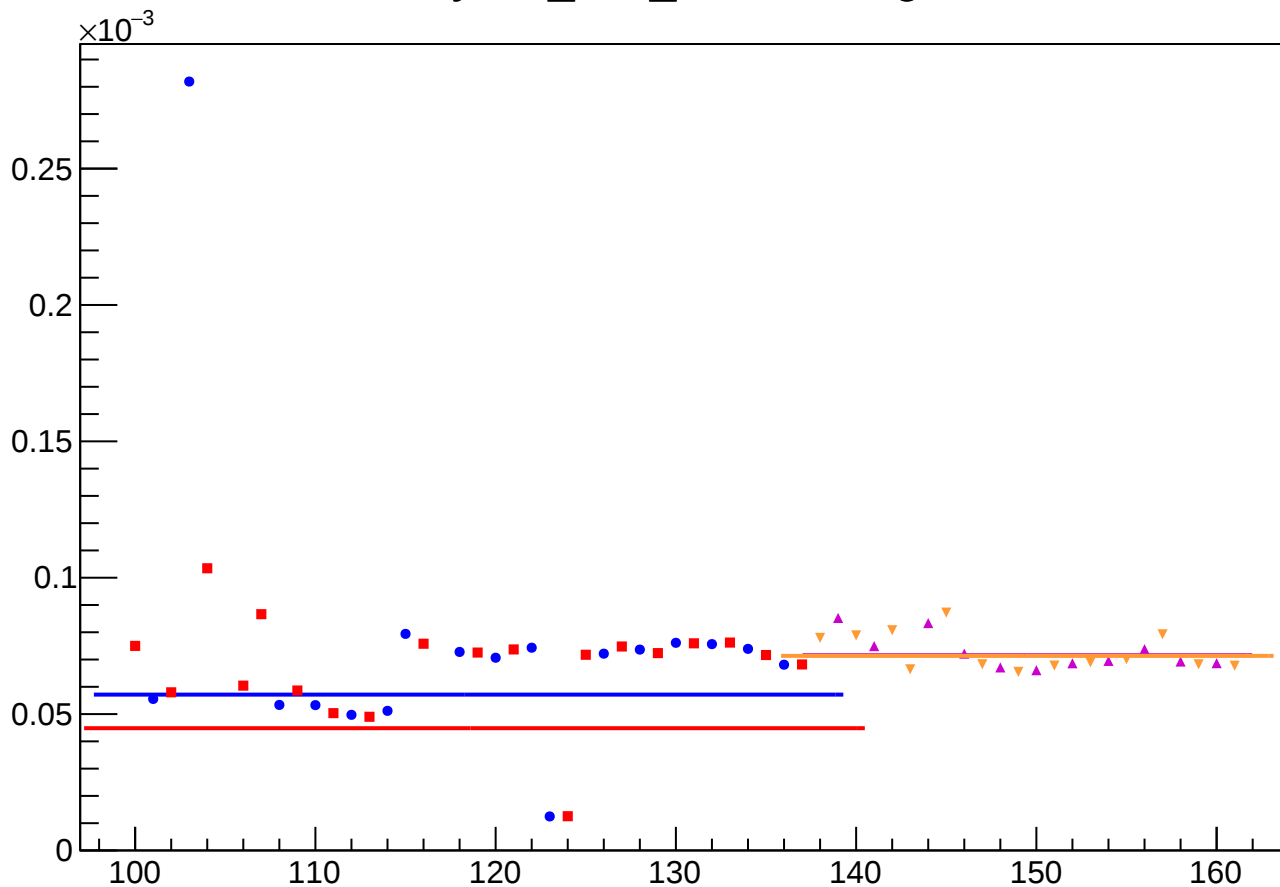
0.021 $\pm$ 0.000 χ^2 /NDF: 172986553211.8/29

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 234754769754.2/18

0.017 $\pm$ 0.000 χ^2 /NDF: 403451397305.2/29

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 416479665.6/10

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 :135400.6/12

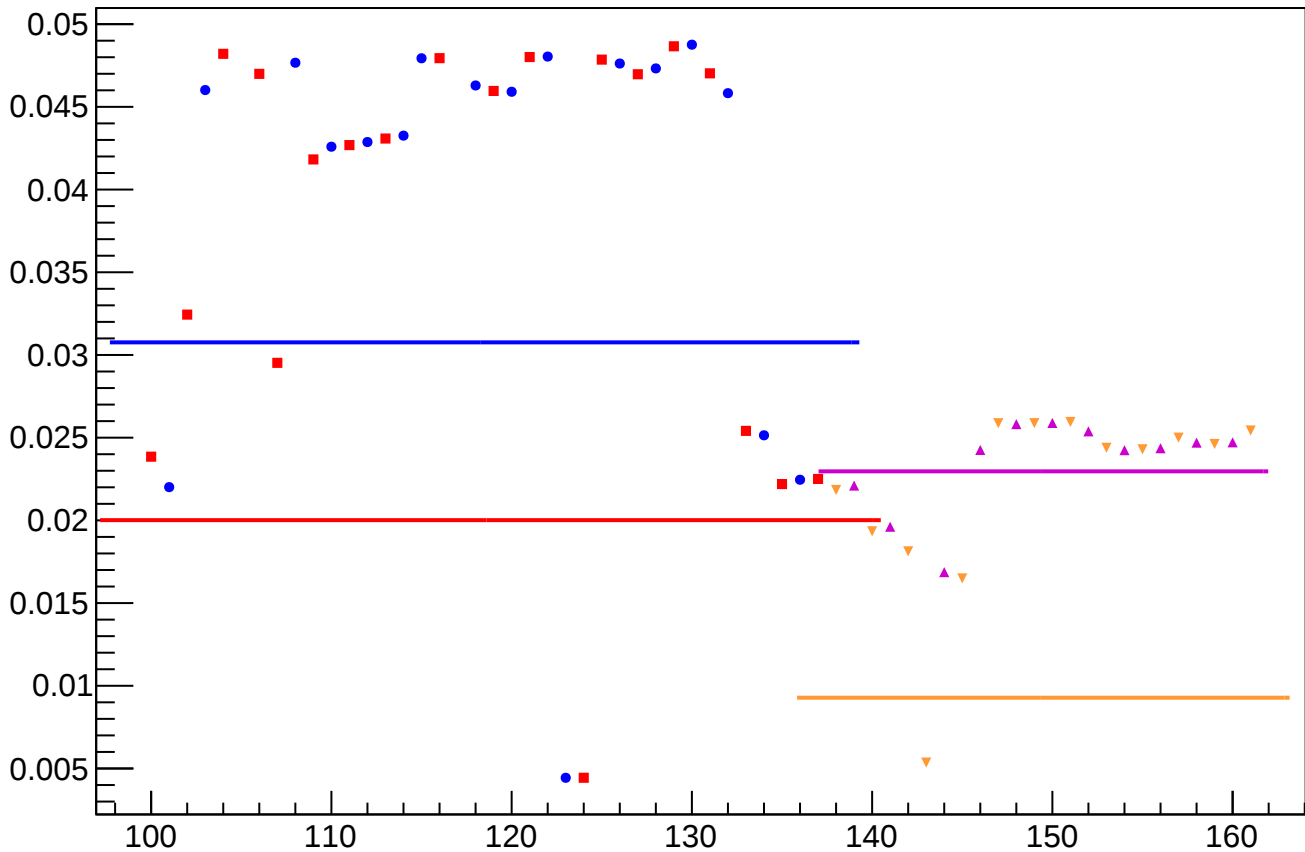
Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

Left In: 0.000+/-0.000 χ^2/NDF :102533.7/10

0.000+/-0.000 χ^2/NDF : 2491684.9/29

0.000+/-0.000 χ^2/NDF : 5124703.8/29

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 25075150848.9/12

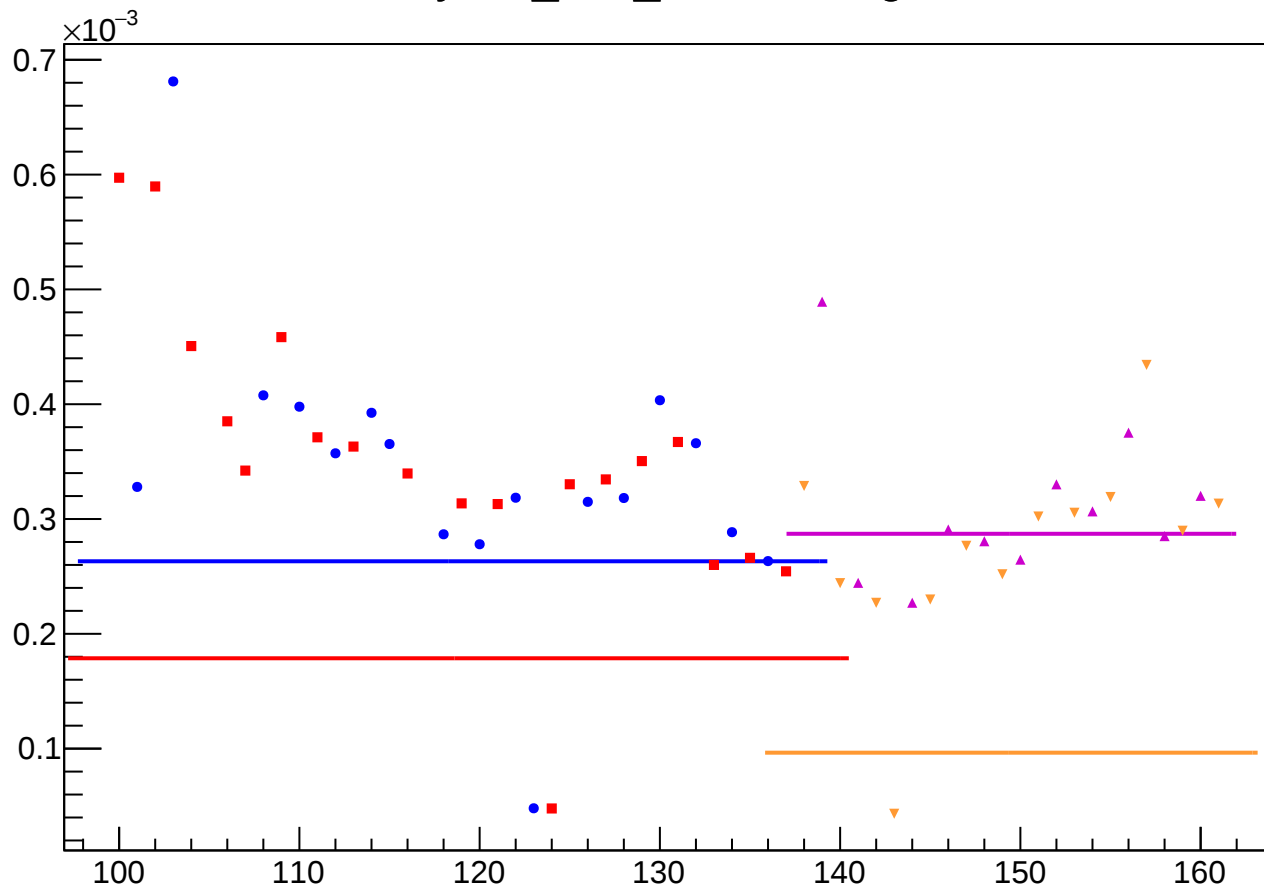
Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

Left In: 0.023+/-0.000 χ^2/NDF : 1002660078.8/10

0.012+/-0.000 χ^2/NDF : 74476403036.7/29

0.021+/-0.000 χ^2/NDF : 41475283144.2/29

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 : 9187714.4/12

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 529609.2/10

0.000+/-0.000 χ^2/NDF : 14988582.3/29

0.000+/-0.000 χ^2/NDF : 7116423.1/29

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.039+/-0.000 χ^2/NDF : 341564929.1/12

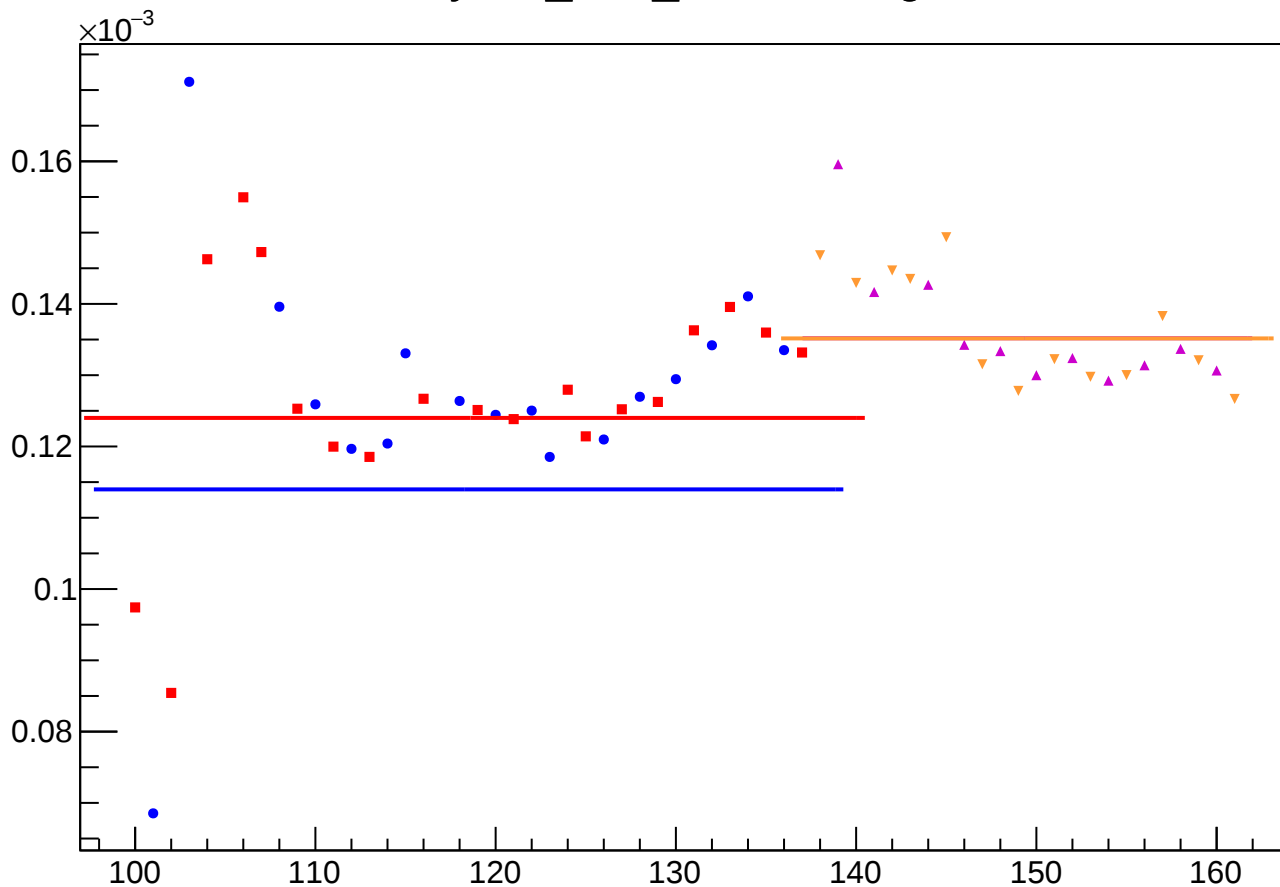
Right Out: 0.035+/-0.000 χ^2/NDF : 43669374279.3/18

Left In: 0.039+/-0.000 χ^2/NDF : 272690232.4/10

0.035+/-0.000 χ^2/NDF : 118109308082.6/29

0.037+/-0.000 χ^2/NDF : 48365517749.6/29

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 :55503.5/12

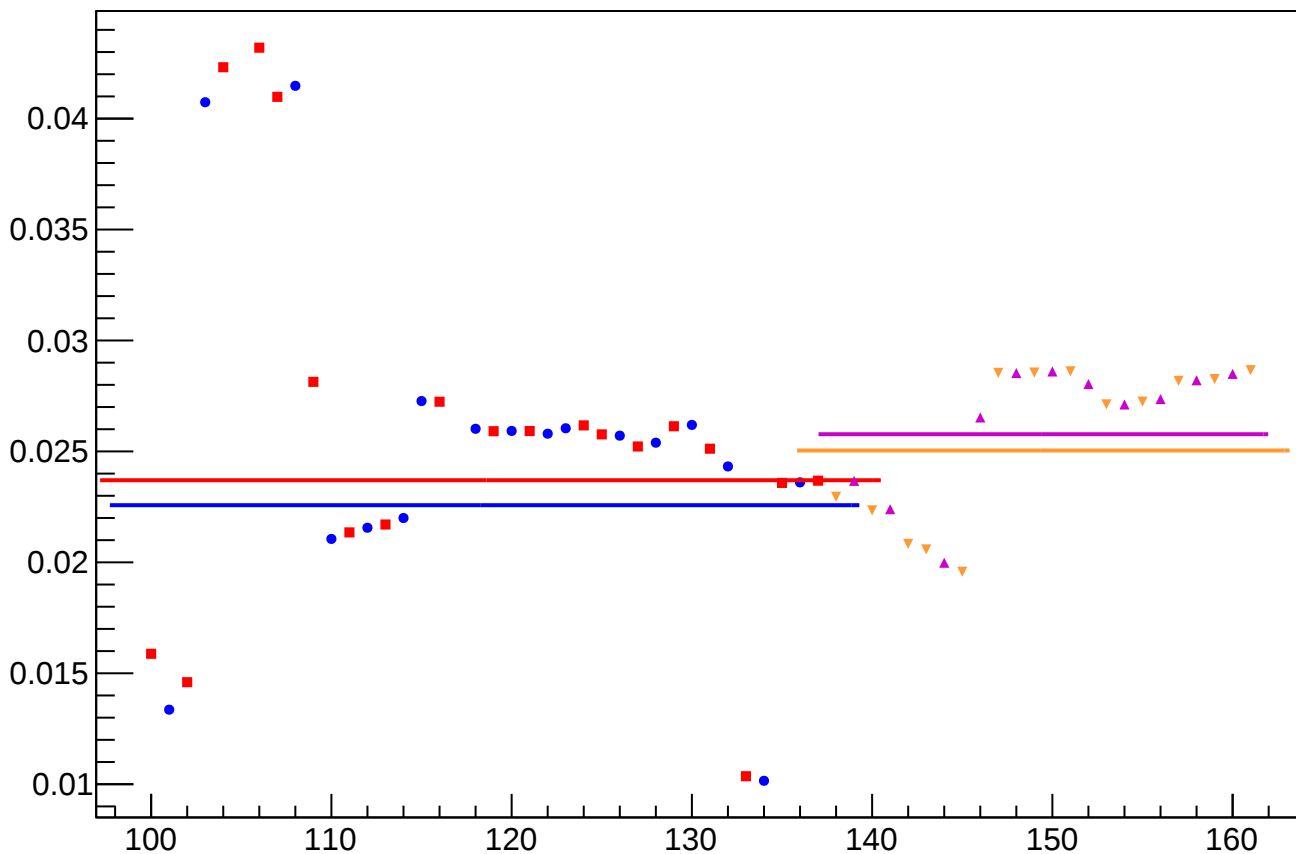
Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

Left In: 0.000+/-0.000 χ^2/NDF :52009.6/10

0.000+/-0.000 χ^2/NDF : 1071659.3/29

0.000+/-0.000 χ^2/NDF : 353875.6/29

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.025+/-0.000 χ^2/NDF :1556605463.8/12

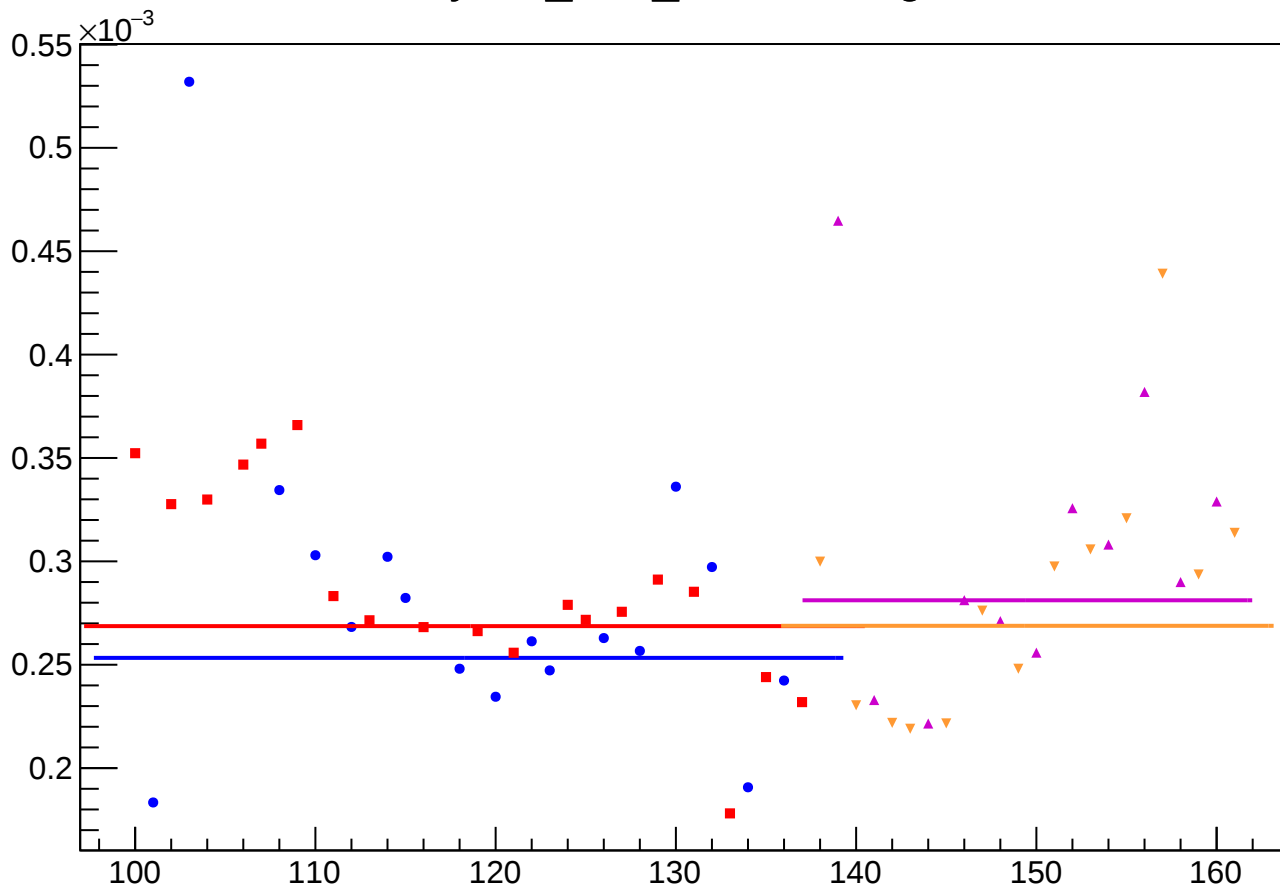
Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

Left In: 0.026+/-0.000 χ^2/NDF :1057125616.5/10

0.024+/-0.000 χ^2/NDF : 6113764490.1/29

0.025+/-0.000 χ^2/NDF : 6907293857.4/29

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 : 511018.0/12

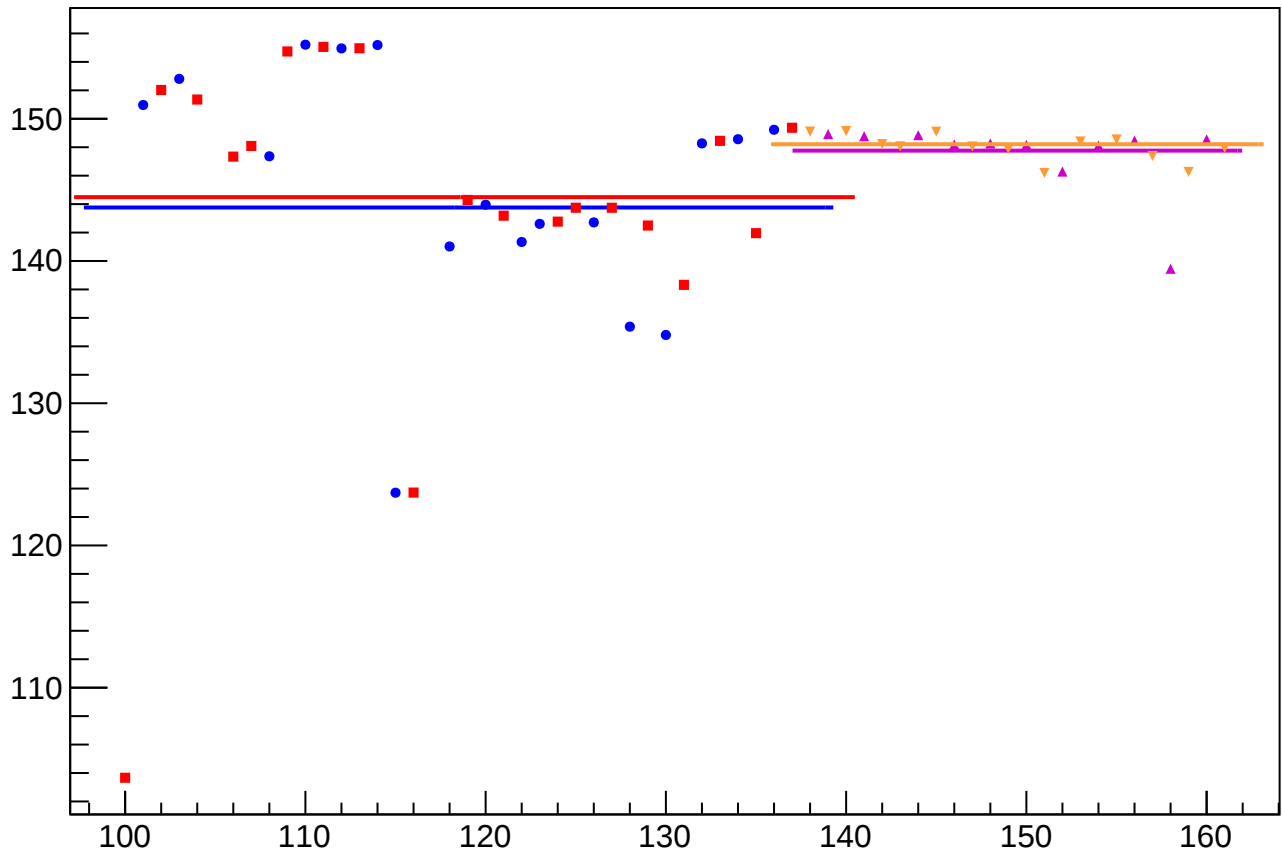
Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

Left In: 0.000+/-0.000 χ^2/NDF : 583308.0/10

0.000+/-0.000 χ^2/NDF : 1164653.6/29

0.000+/-0.000 χ^2/NDF : 1026071.5/29

yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16

Left Out: 148.210 $\pm$ 0.000 χ^2 /NDF: 50597661.2/12

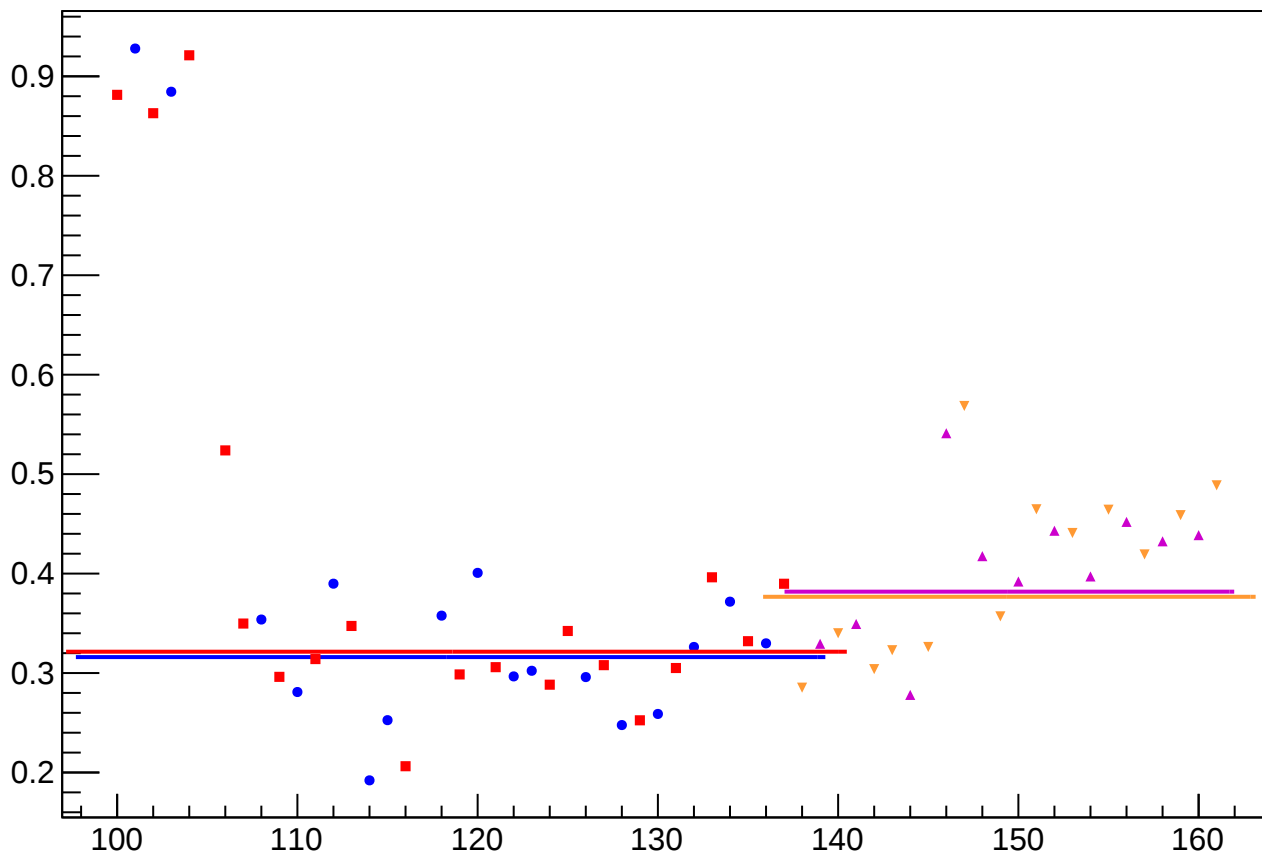
146.130 $\pm$ 0.000 χ^2 /NDF: 4170706277.3/29

Right Out: 144.490 $\pm$ 0.000 χ^2 /NDF: 4182548232.5/18

146.134 $\pm$ 0.000 χ^2 /NDF: 4808470150.8/29

Left In: 147.761 $\pm$ 0.000 χ^2 /NDF: 321190365.7/10

yield_bcm_an_ds_rms vs Slug



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.377+/-0.000 χ^2/NDF : 741559.1/12

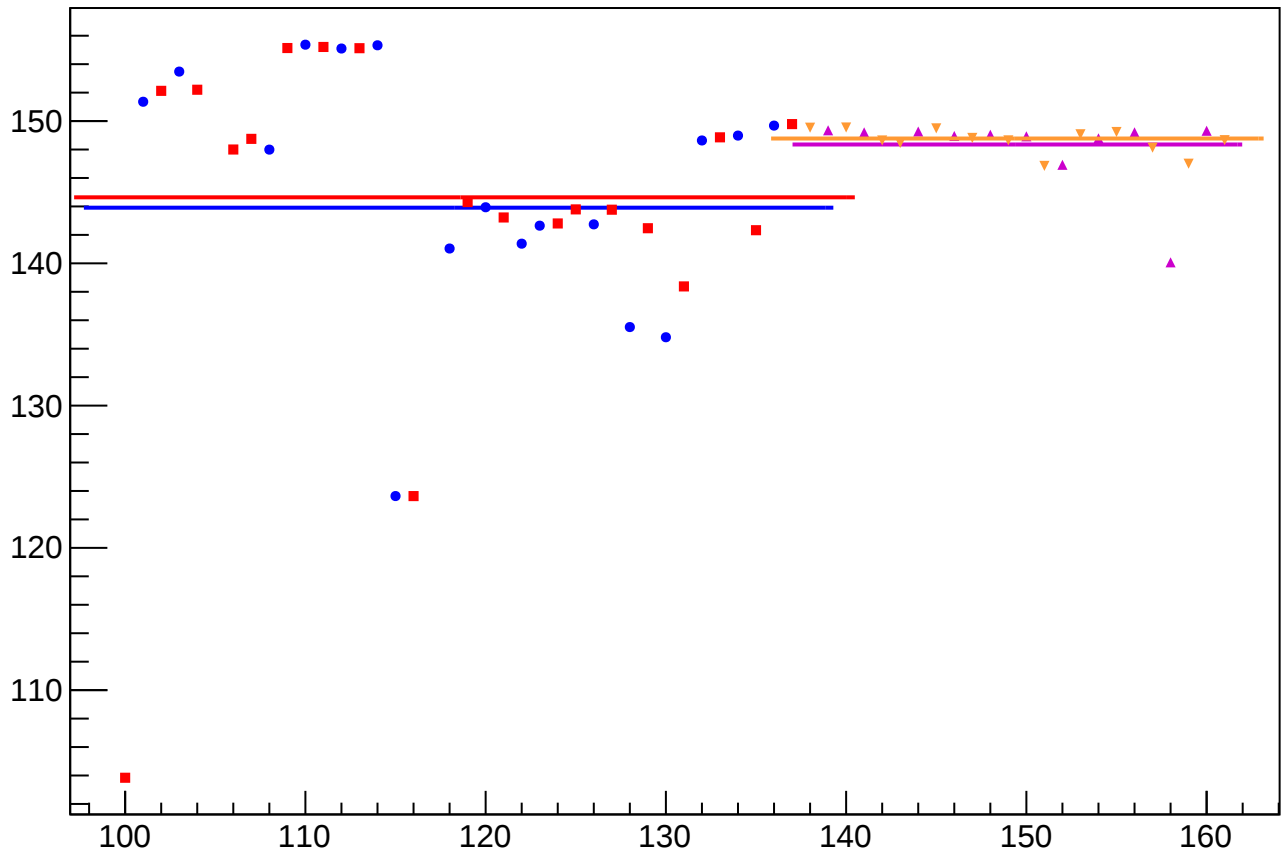
Right Out: 0.321+/-0.000 χ^2/NDF : 1219073.9/18

Left In: 0.382+/-0.000 χ^2/NDF : 545917.8/10

0.348+/-0.000 χ^2/NDF : 2225136.0/29

0.352+/-0.000 χ^2/NDF : 1972660.4/29

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.774 $\pm$ 0.000 χ^2 /NDF: 39703204.8/12

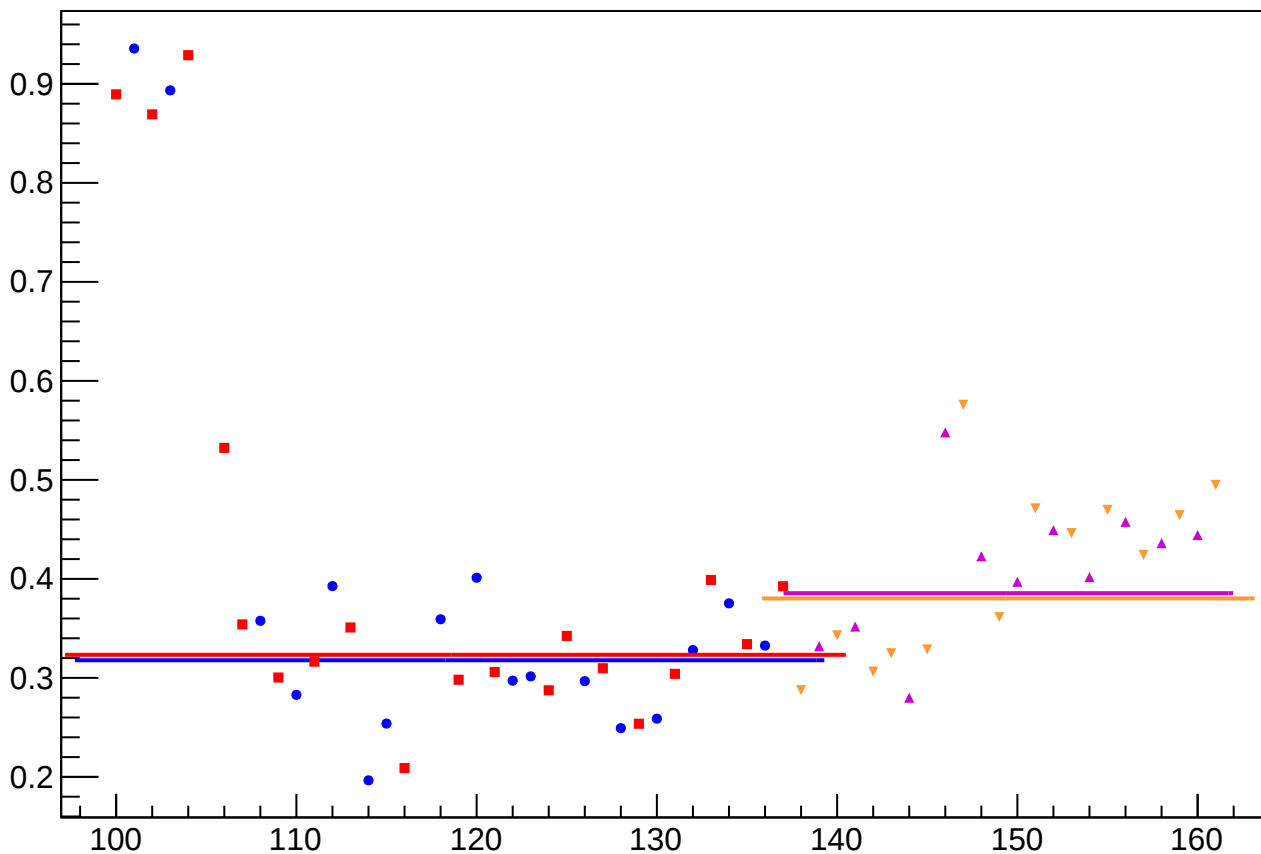
146.490 $\pm$ 0.000 χ^2 /NDF: 4316528576.0/29

Right Out: 144.640 $\pm$ 0.000 χ^2 /NDF: 4209610240.4/18

146.499 $\pm$ 0.000 χ^2 /NDF: 4906506137.6/29

Left In: 148.354 $\pm$ 0.000 χ^2 /NDF: 310307747.5/10

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.380+/-0.000 χ^2/NDF : 756563.9/12

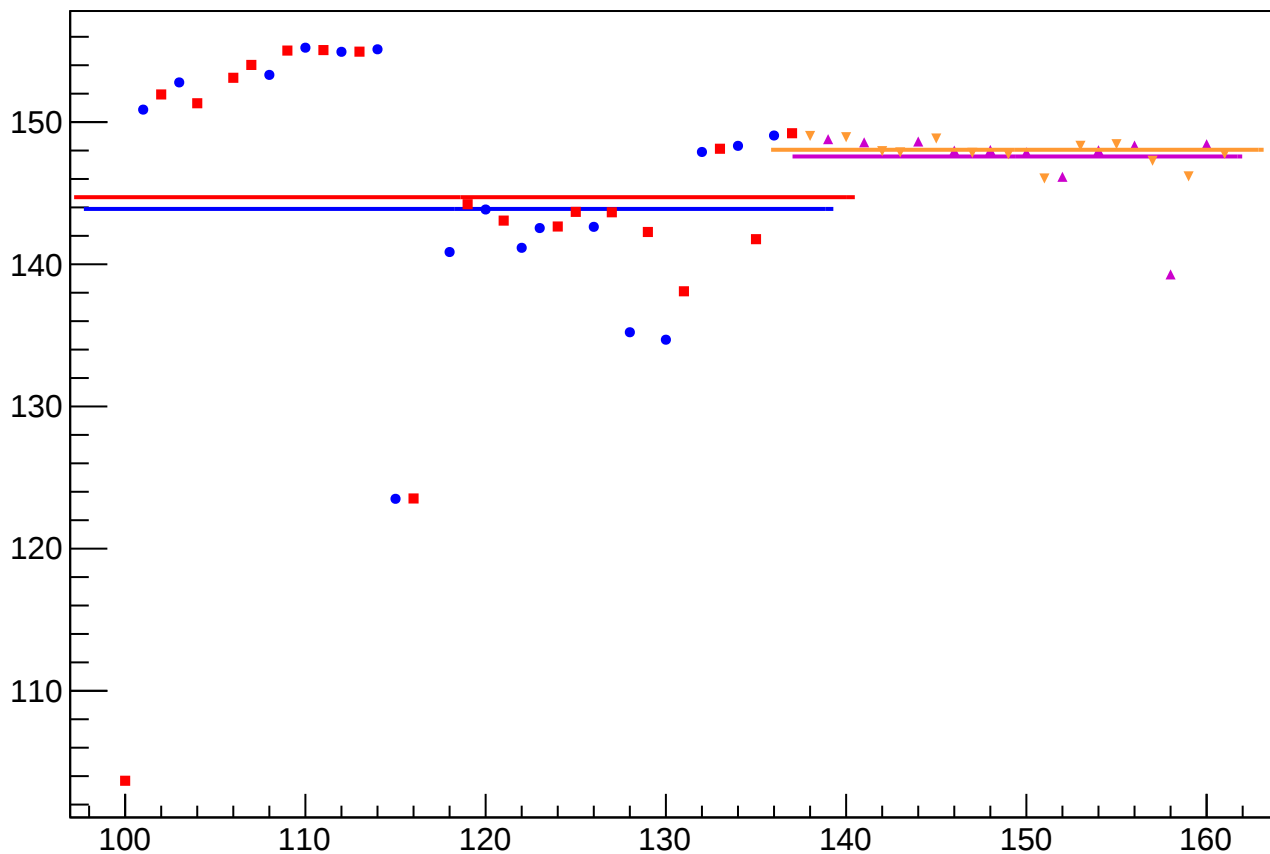
Right Out: 0.323+/-0.000 χ^2/NDF : 1222241.9/18

Left In: 0.386+/-0.000 χ^2/NDF : 558760.6/10

0.351+/-0.000 χ^2/NDF : 2252241.4/29

0.354+/-0.000 χ^2/NDF : 1998256.3/29

yield_bcm_an_us_mean vs Slug



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.054+/-0.000 χ^2/NDF : 48936298.8/12

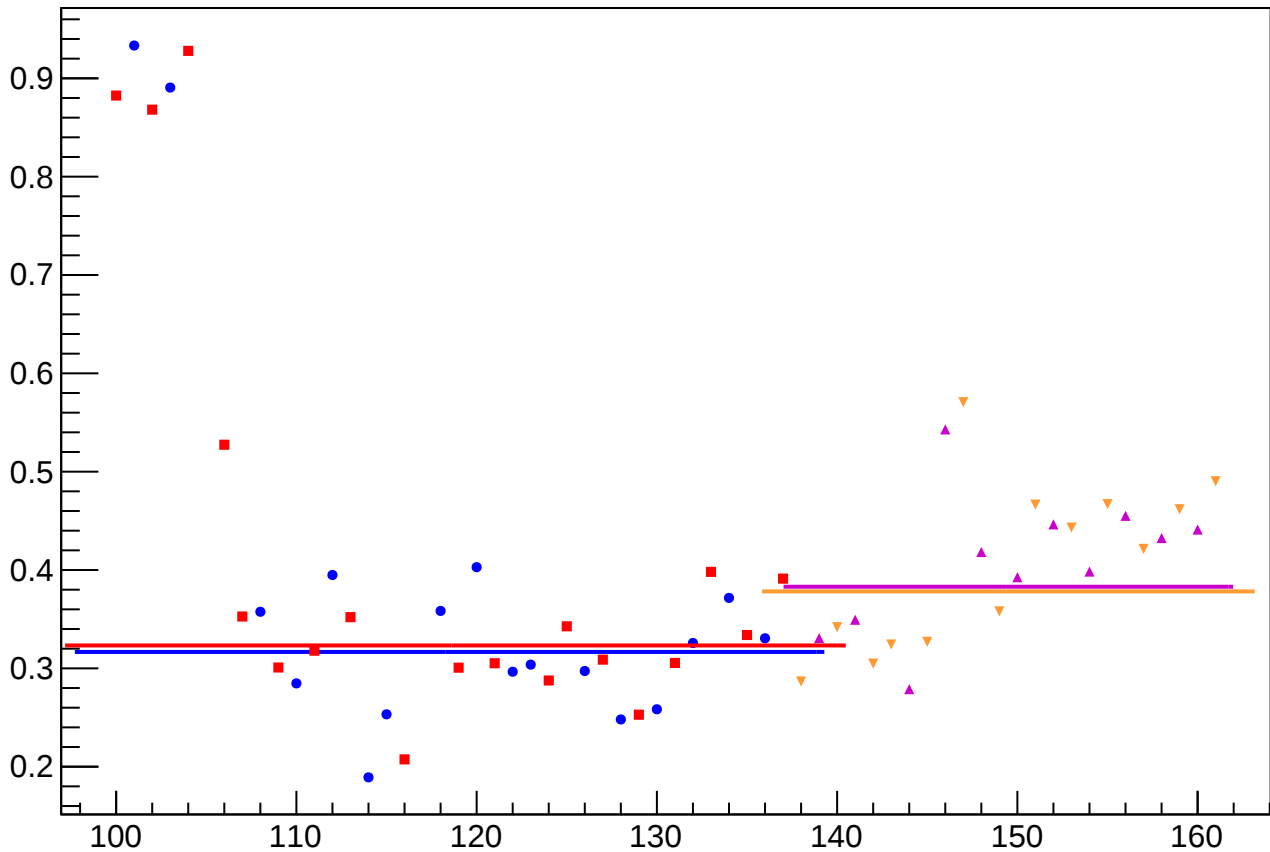
Right Out: 144.719+/-0.000 χ^2/NDF : 4473225884.5/18

Left In: 147.582+/-0.000 χ^2/NDF : 319824266.1/10

146.105+/-0.000 χ^2/NDF : 4310316939.9/29

146.162+/-0.000 χ^2/NDF : 5024562038.1/29

yield_bcm_an_us_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.378+/-0.000 χ^2/NDF : 744105.7/12

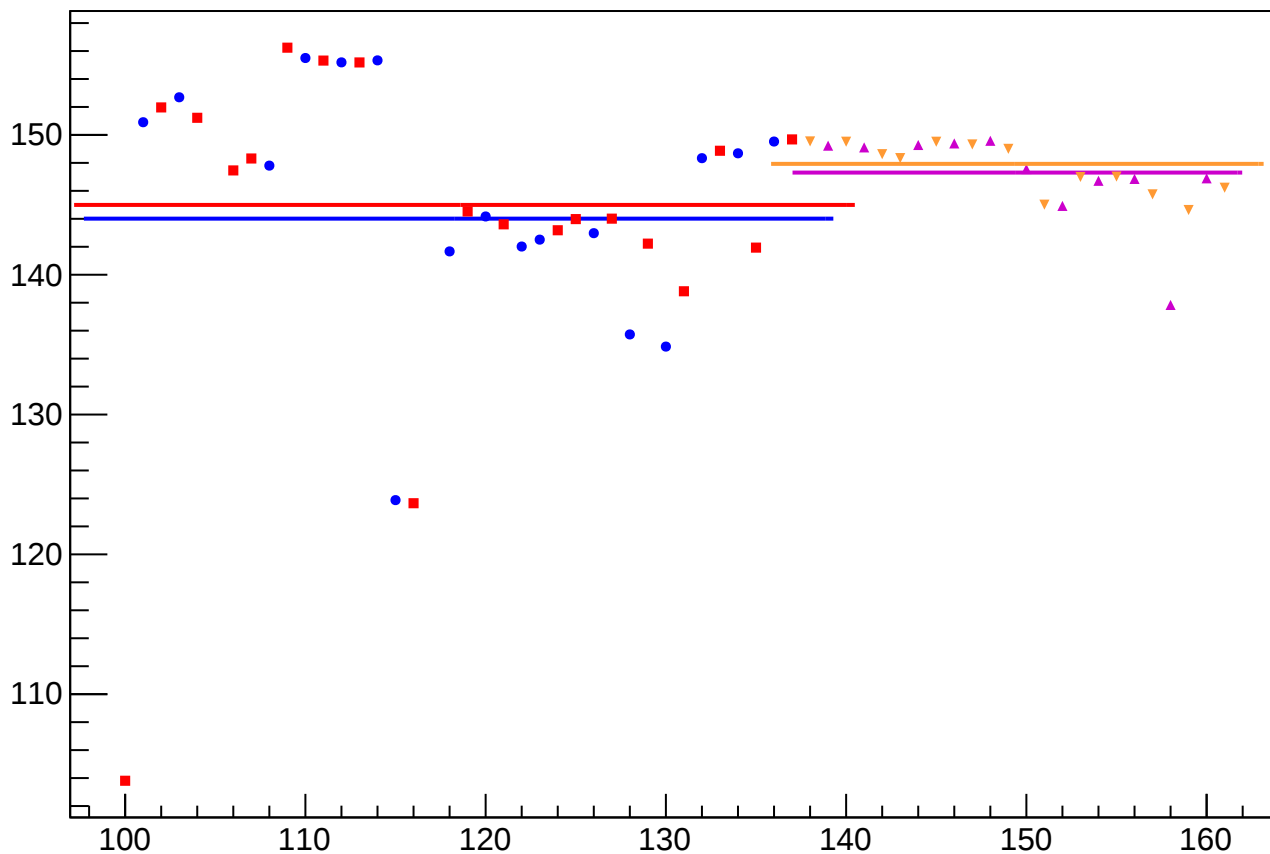
Right Out: 0.323+/-0.000 χ^2/NDF : 1222784.7/18

Left In: 0.383+/-0.000 χ^2/NDF : 549728.6/10

0.349+/-0.000 χ^2/NDF : 2247046.5/29

0.353+/-0.000 χ^2/NDF : 1973787.3/29

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 147.930 $\pm$ 0.000 χ^2 /NDF: 165541876.9/12

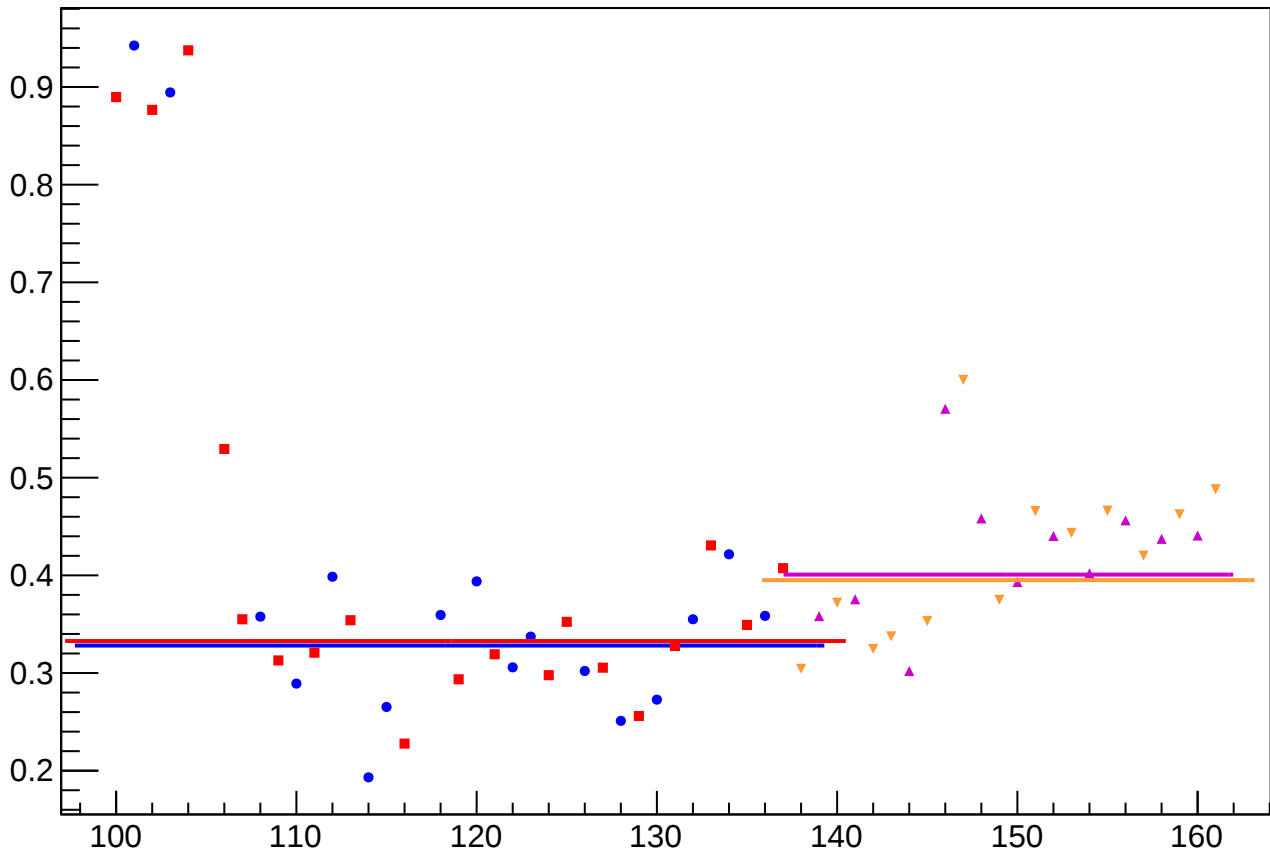
Right Out: 144.994 $\pm$ 0.000 χ^2 /NDF: 3852381452.1/18

Left In: 147.306 $\pm$ 0.000 χ^2 /NDF: 480502867.1/10

146.086 $\pm$ 0.000 χ^2 /NDF: 3824261940.3/29

146.144 $\pm$ 0.000 χ^2 /NDF: 4473410598.5/29

yield_bcm_dg_us_rms vs Slug



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.395+/-0.000 χ^2/NDF : 584825.2/12

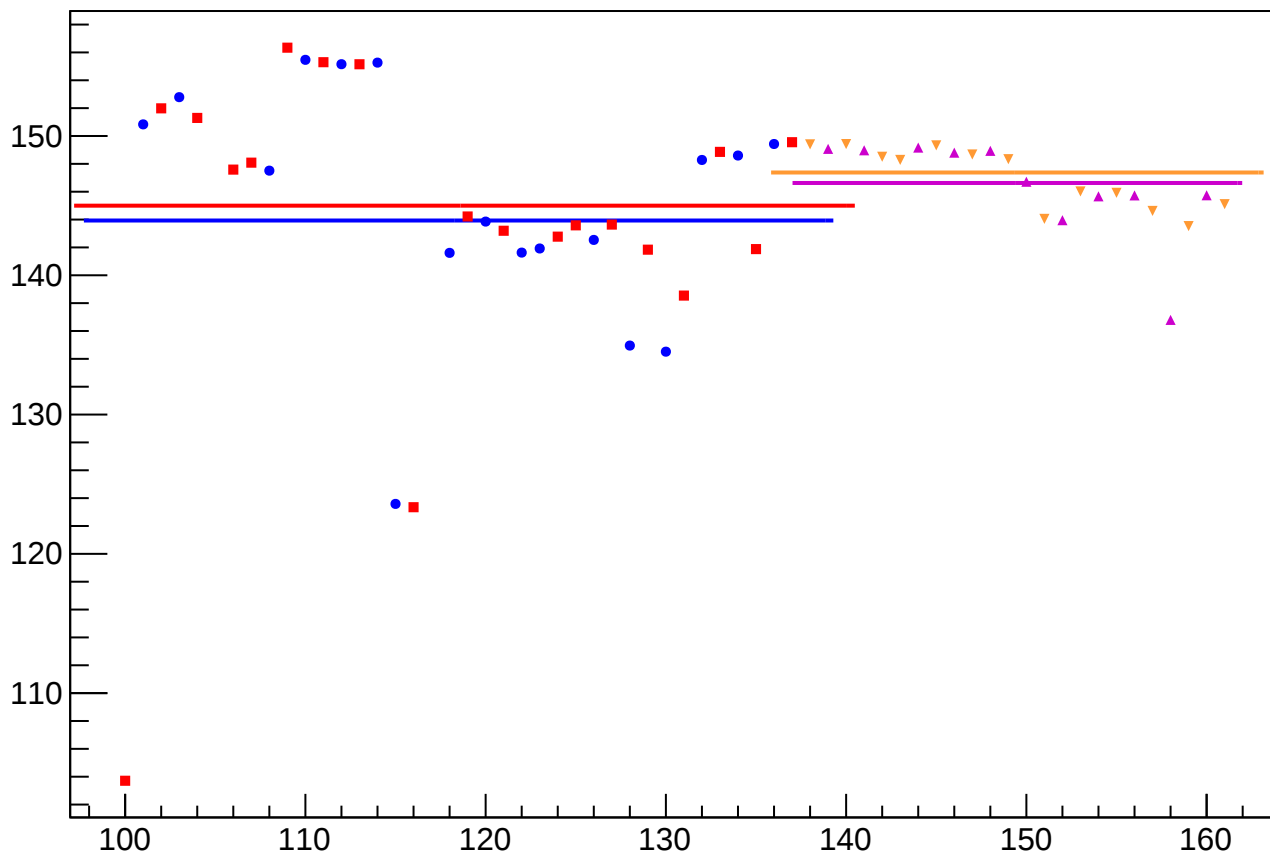
Right Out: 0.333+/-0.000 χ^2/NDF : 1185129.6/18

Left In: 0.401+/-0.000 χ^2/NDF : 424205.6/10

0.364+/-0.000 χ^2/NDF : 2094359.9/29

0.367+/-0.000 χ^2/NDF : 1852259.2/29

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 147.379 $\pm$ 0.000 χ^2 /NDF: 248841150.0/12

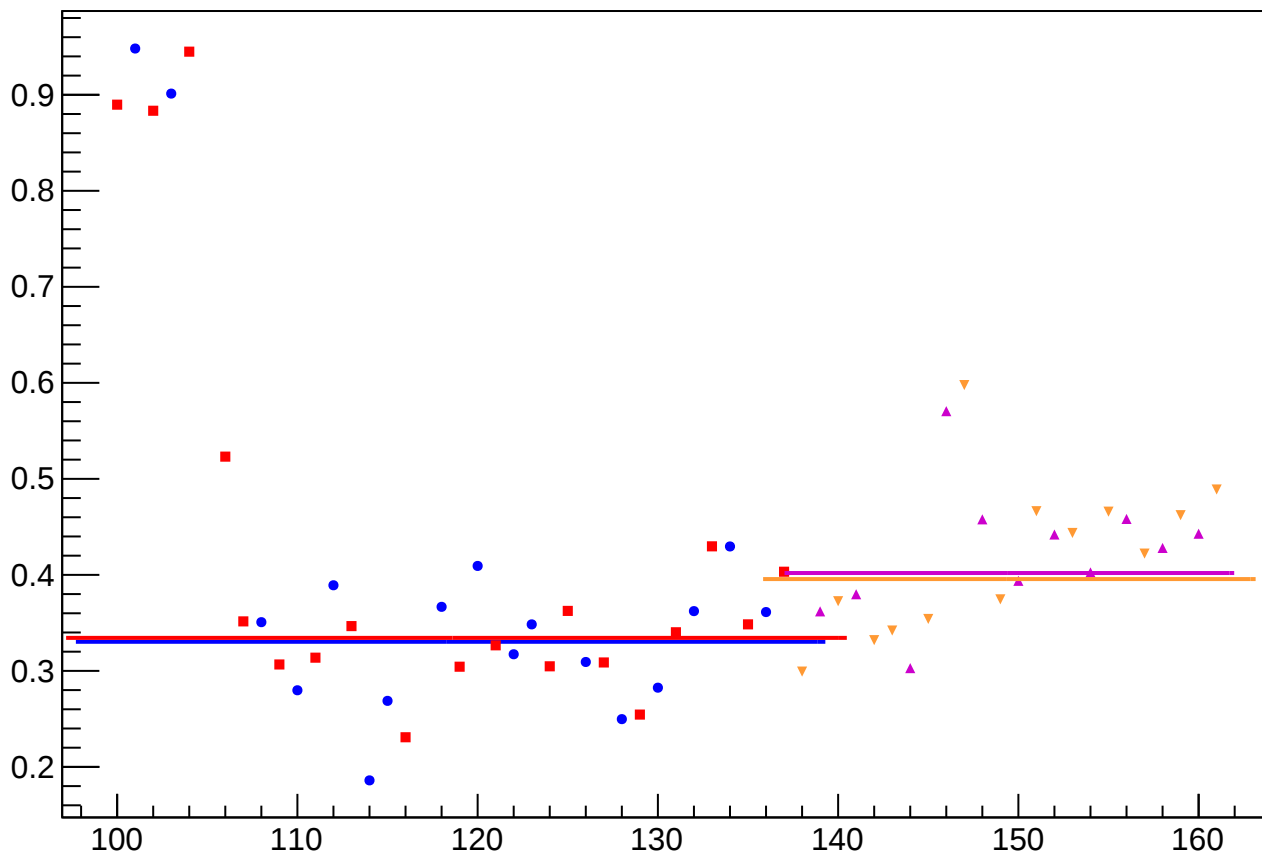
Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3932958476.0/18

Left In: 146.627 $\pm$ 0.000 χ^2 /NDF: 584562483.9/10

145.768 $\pm$ 0.000 χ^2 /NDF: 3951051528.4/29

145.810 $\pm$ 0.000 χ^2 /NDF: 4586568037.5/29

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.396 $\pm$ 0.000 χ^2 /NDF: 584735.1/12

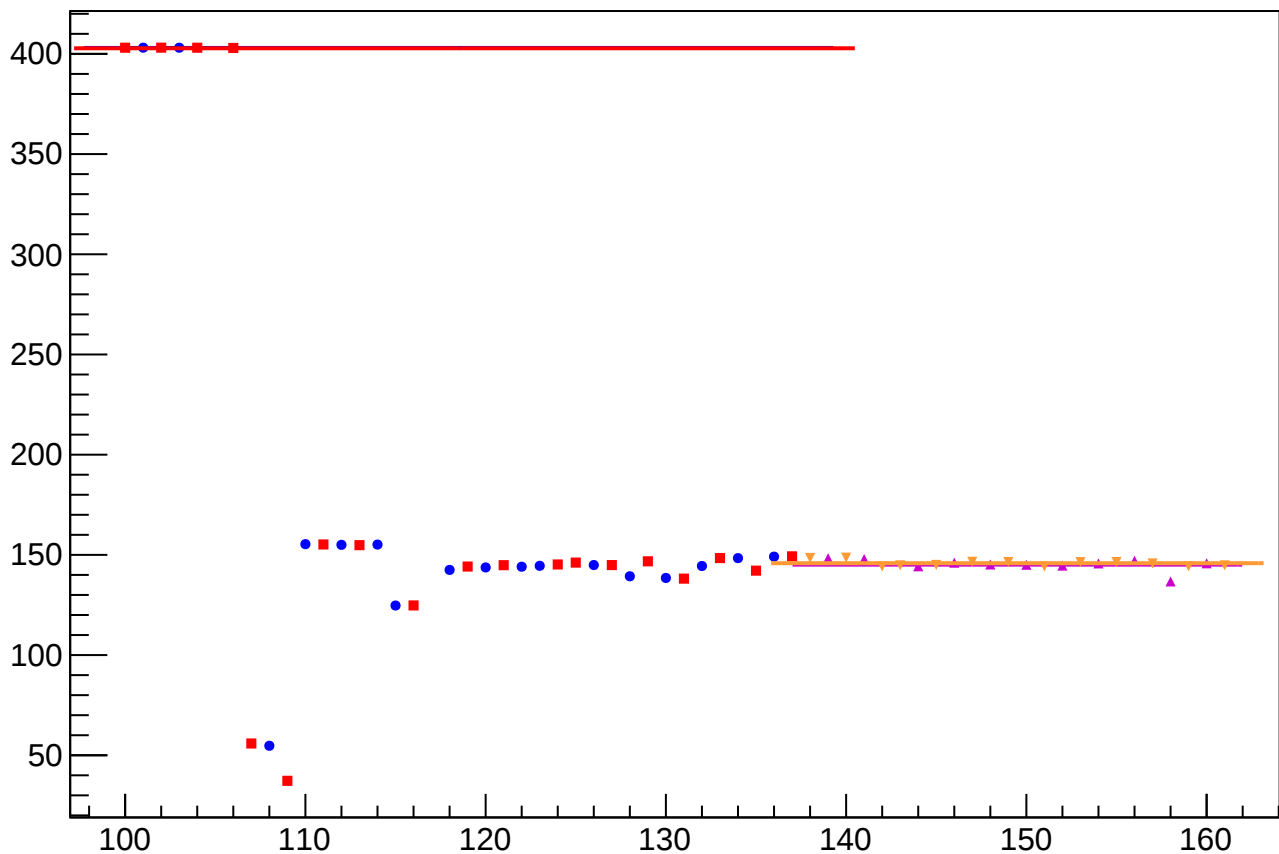
Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1174012.0/18

Left In: 0.402 $\pm$ 0.000 χ^2 /NDF: 411314.0/10

0.365 $\pm$ 0.000 χ^2 /NDF: 2097911.1/29

0.368 $\pm$ 0.000 χ^2 /NDF: 1822785.1/29

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 145.847+/-0.000 χ^2/NDF : 38276033.2/12

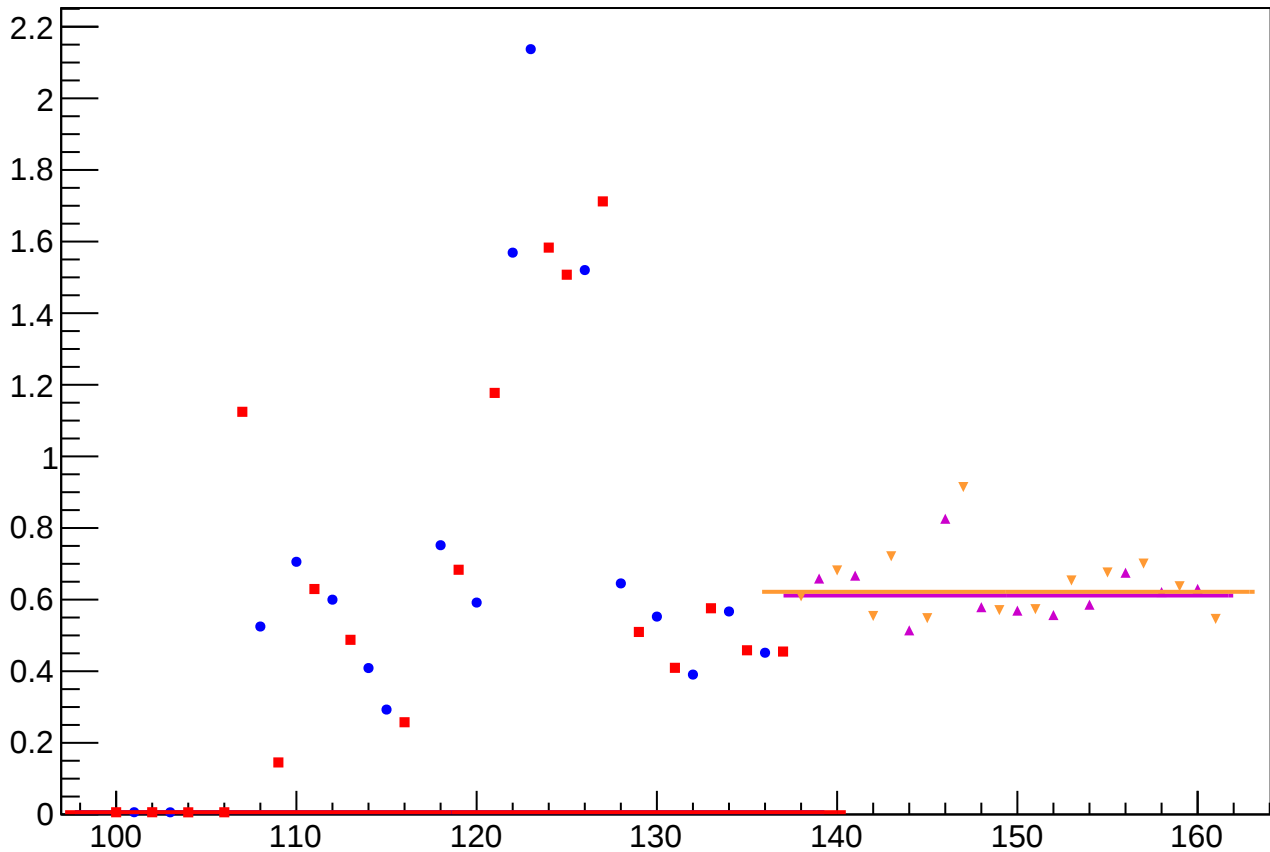
Right Out: 402.799+/-0.000 χ^2/NDF : 3102036567767.5/18

Left In: 145.131+/-0.000 χ^2/NDF : 126448317.1/10

402.819+/-0.000 χ^2/NDF : 2201465512014.4/29

402.684+/-0.000 χ^2/NDF : 4141749237547.6/29

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.622+/-0.000 χ^2/NDF :215252.9/12

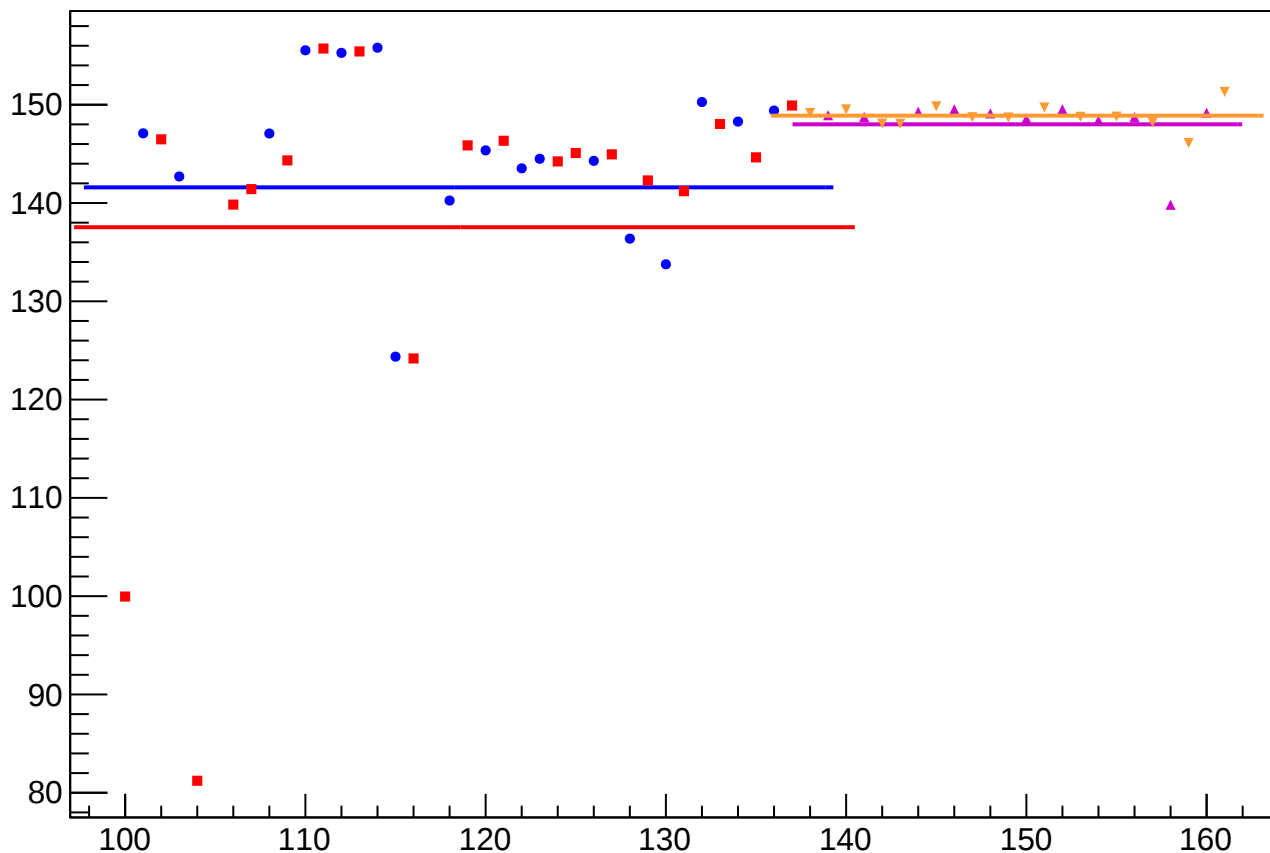
0.007+/-0.000 χ^2/NDF : 21983064.4/29

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

0.007+/-0.000 χ^2/NDF : 20816355.7/29

Left In: 0.611+/-0.000 χ^2/NDF :154292.2/10

yield_cav4cQ_mean vs Slug



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 148.889 $\pm$ 0.000 χ^2 /NDF: 46854531.3/12

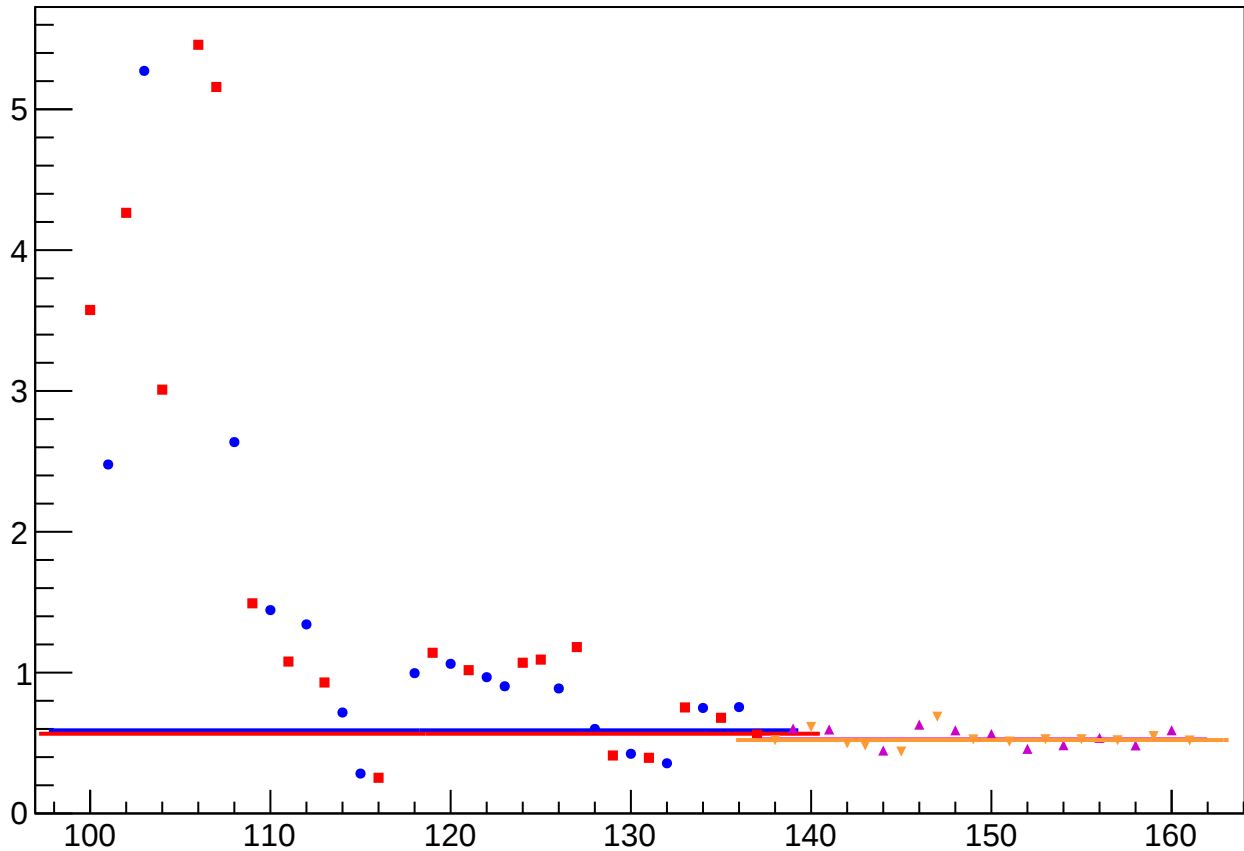
Right Out: 137.539 $\pm$ 0.000 χ^2 /NDF: 1316096307.7/18

Left In: 148.006 $\pm$ 0.000 χ^2 /NDF: 237184222.3/10

147.098 $\pm$ 0.000 χ^2 /NDF: 1432379730.0/29

145.127 $\pm$ 0.000 χ^2 /NDF: 2396932999.3/29

yield_cav4cQ_rms vs Slug



Right In: 0.590 ± 0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.521 ± 0.000 χ^2/NDF : 168226.5/12

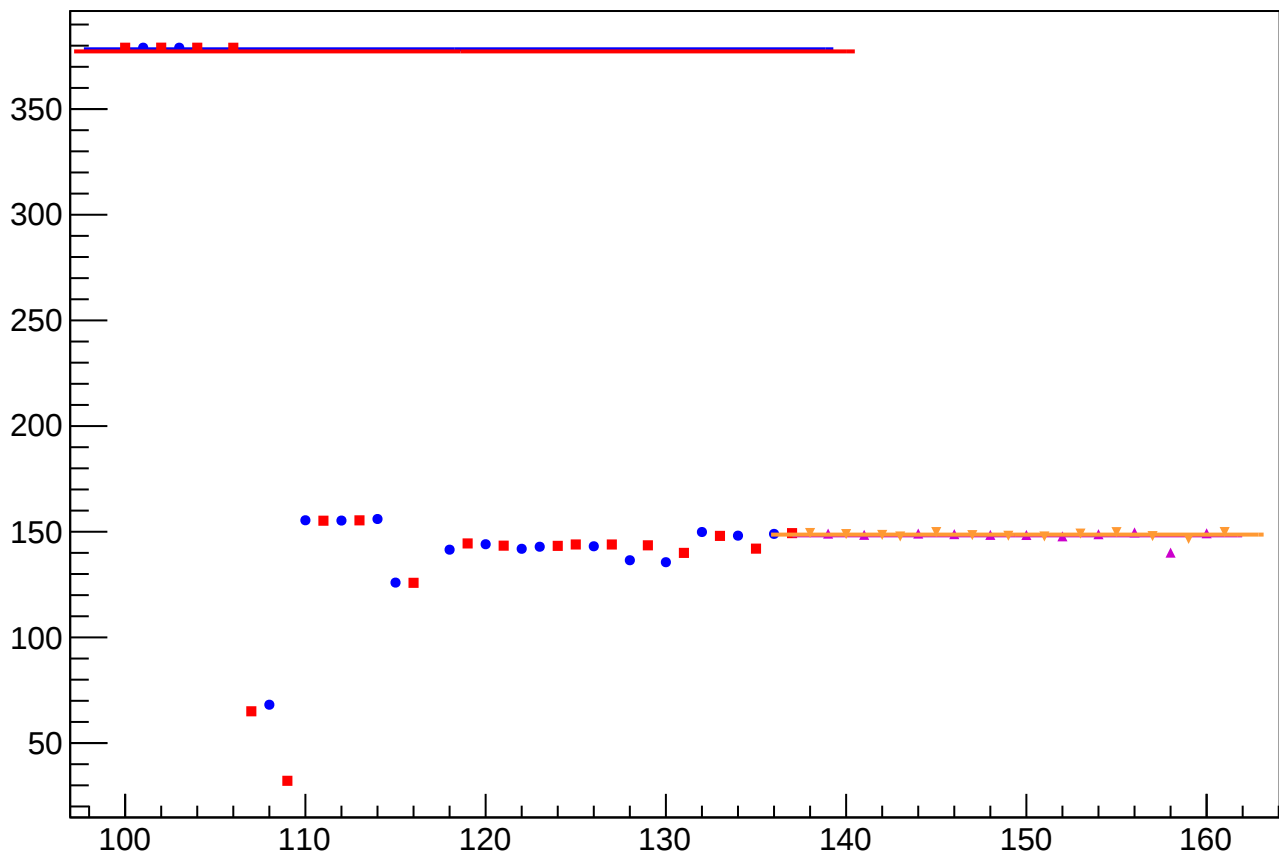
Right Out: 0.566 ± 0.000 χ^2/NDF : 4683596.4/18

Left In: 0.526 ± 0.000 χ^2/NDF : 218579.0/10

0.538 ± 0.000 χ^2/NDF : 3732678.7/29

0.537 ± 0.000 χ^2/NDF : 4927362.2/29

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.648+/-0.000 χ^2/NDF : 43902277.9/12

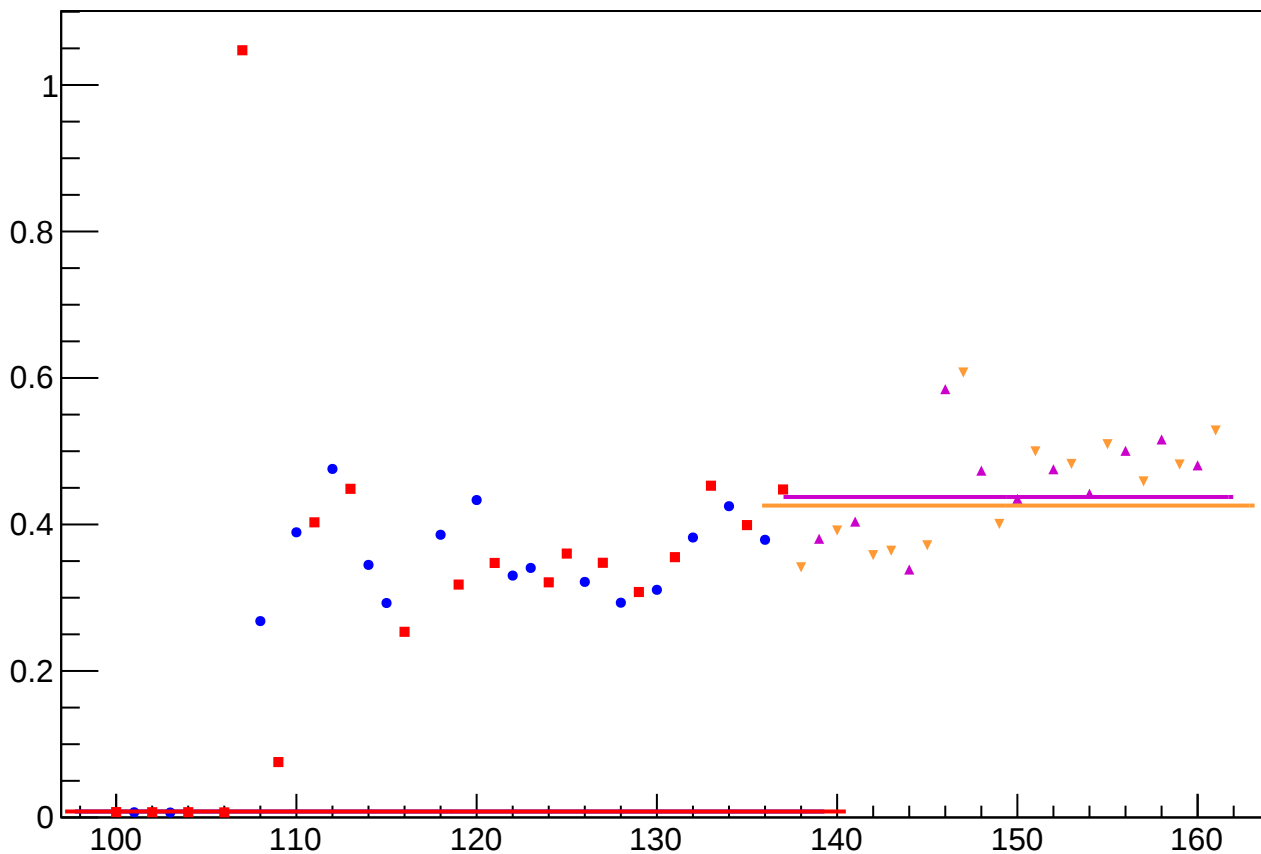
Right Out: 377.287+/-0.000 χ^2/NDF : 8286303106836.4/18

Left In: 148.284+/-0.000 χ^2/NDF : 210366754.7/10

377.417+/-0.000 χ^2/NDF : 5155154548642.5/29

376.621+/-0.000 χ^2/NDF : 10603758471722.9/29

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.426+/-0.000 χ^2/NDF : 518027.2/12

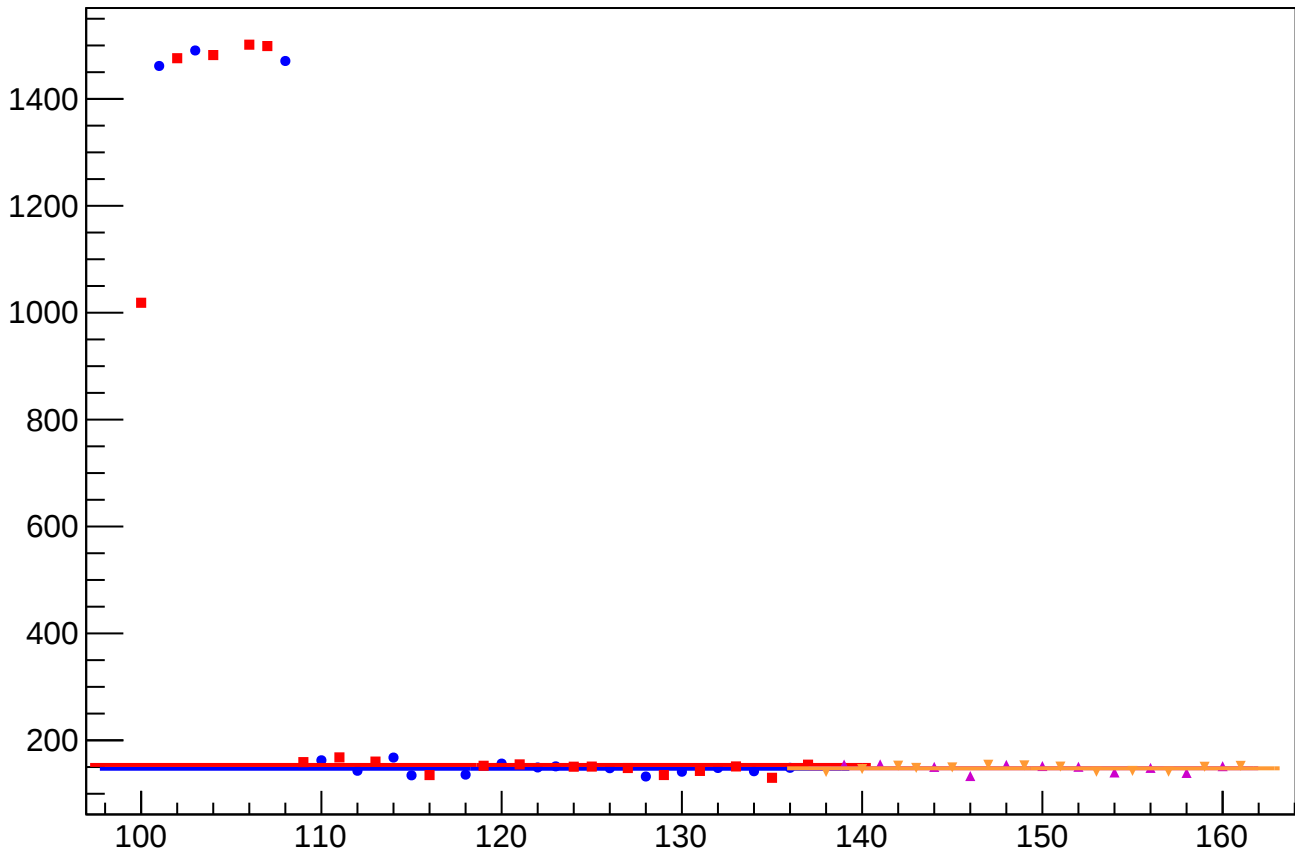
Right Out: 0.008+/-0.000 χ^2/NDF : 9522827.2/18

Left In: 0.438+/-0.000 χ^2/NDF : 378239.5/10

0.010+/-0.000 χ^2/NDF : 27837952.9/29

0.009+/-0.000 χ^2/NDF : 26194504.4/29

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 147.604+/-0.000 χ^2/NDF : 230051788.9/12

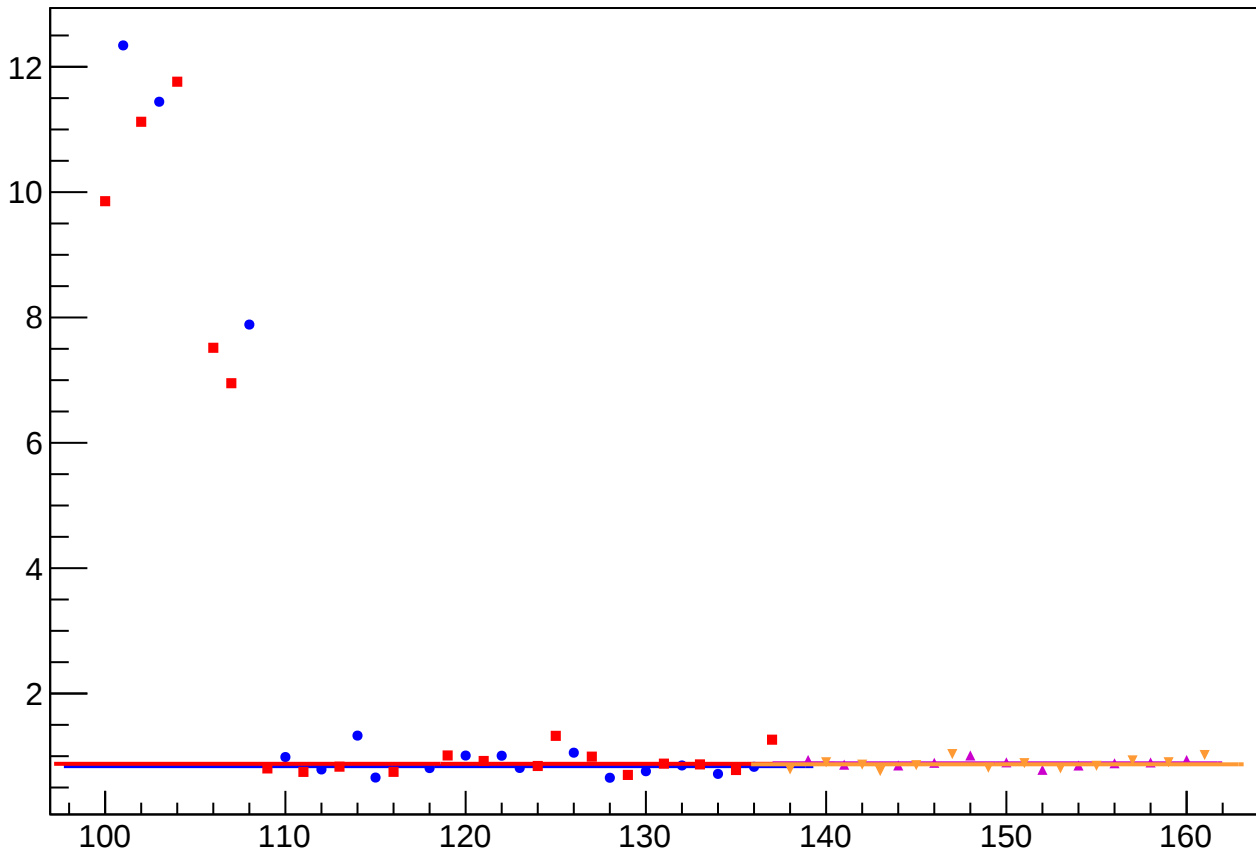
147.332+/-0.000 χ^2/NDF : 24592970345.3/29

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

150.017+/-0.000 χ^2/NDF : 34305899807.8/29

Left In: 147.771+/-0.000 χ^2/NDF : 442412928.7/10

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.870 ± 0.000 χ^2/NDF : 117099.6/12

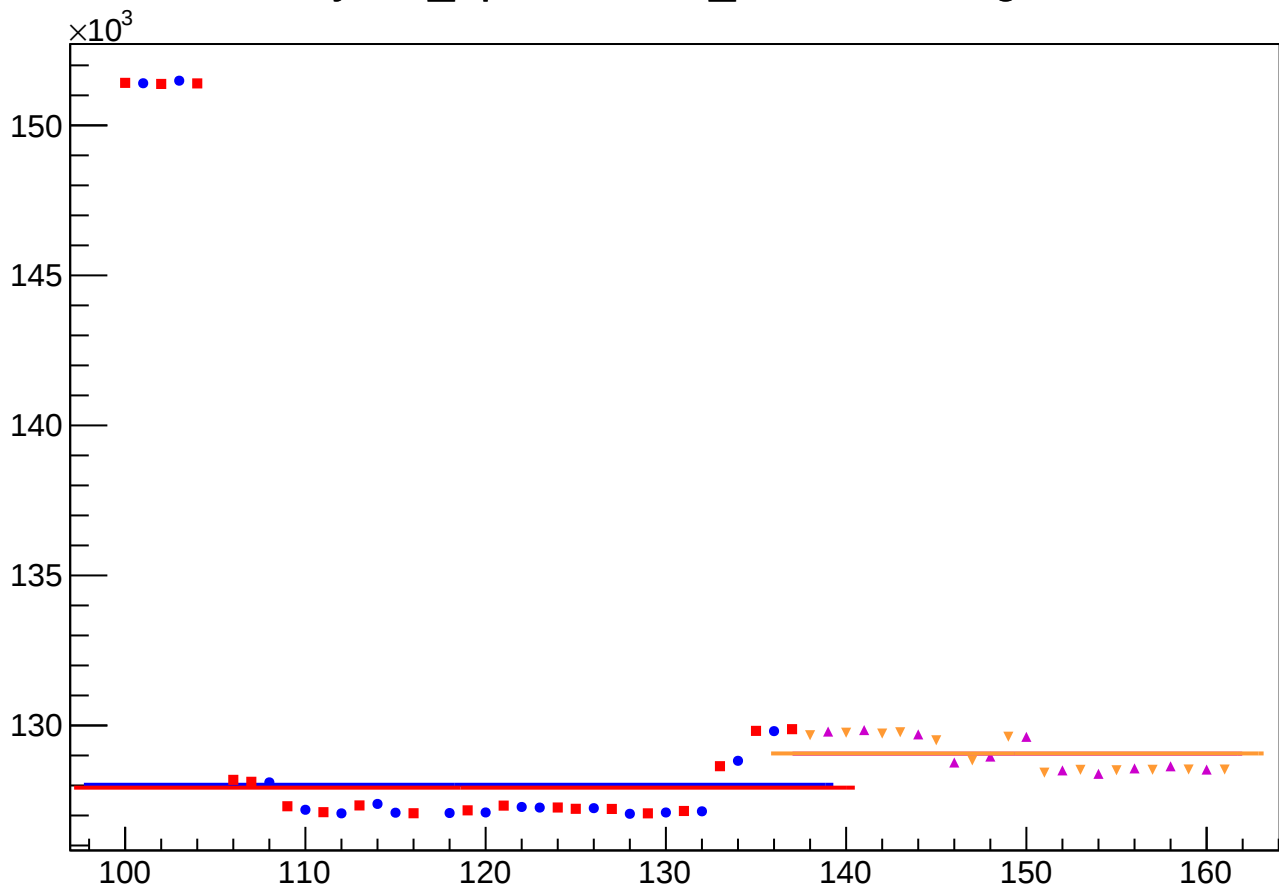
Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

Left In: 0.887 ± 0.000 χ^2/NDF : 59270.2/10

0.860 ± 0.000 χ^2/NDF : 2785431.5/29

0.884 ± 0.000 χ^2/NDF : 2874358.0/29

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129067.515 $\pm$ 0.056 χ^2 /NDF: 103157137.7/12

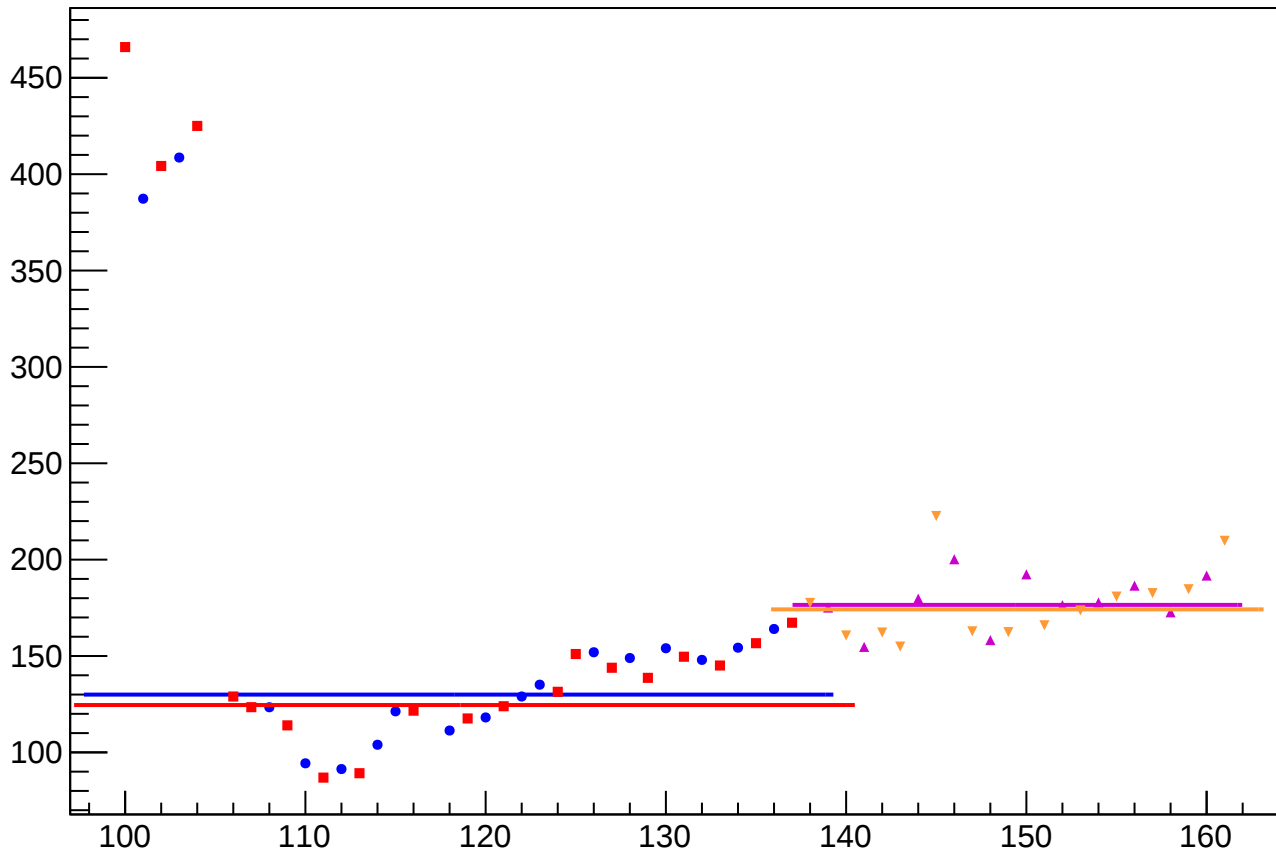
Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18

Left In: 129059.813 $\pm$ 0.059 χ^2 /NDF: 90617499.9/10

128528.234 $\pm$ 0.039 χ^2 /NDF: 4596843193.1/29

128400.630 $\pm$ 0.038 χ^2 /NDF: 4068812701.3/29

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 174.196 $\pm$ 0.040 χ^2 /NDF:185152.1/12

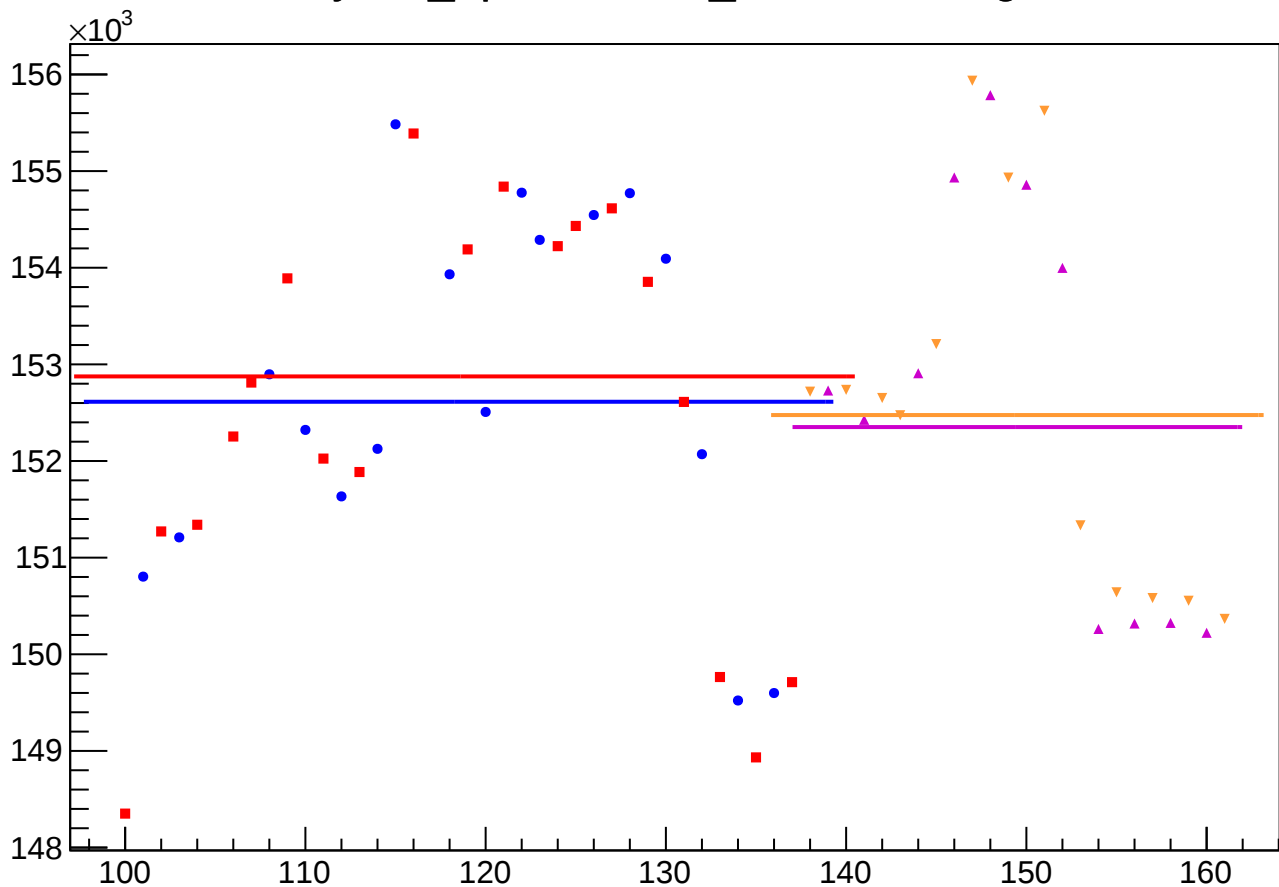
151.355 $\pm$ 0.028 χ^2 /NDF: 2306188.9/29

Right Out: 124.566 $\pm$ 0.036 χ^2 /NDF: 1531273.9/18

146.278 $\pm$ 0.027 χ^2 /NDF: 2524503.5/29

Left In: 176.525 $\pm$ 0.042 χ^2 /NDF:104072.1/10

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 152475.537 $\pm$ 0.063 χ^2 /NDF: 779150577.3/12

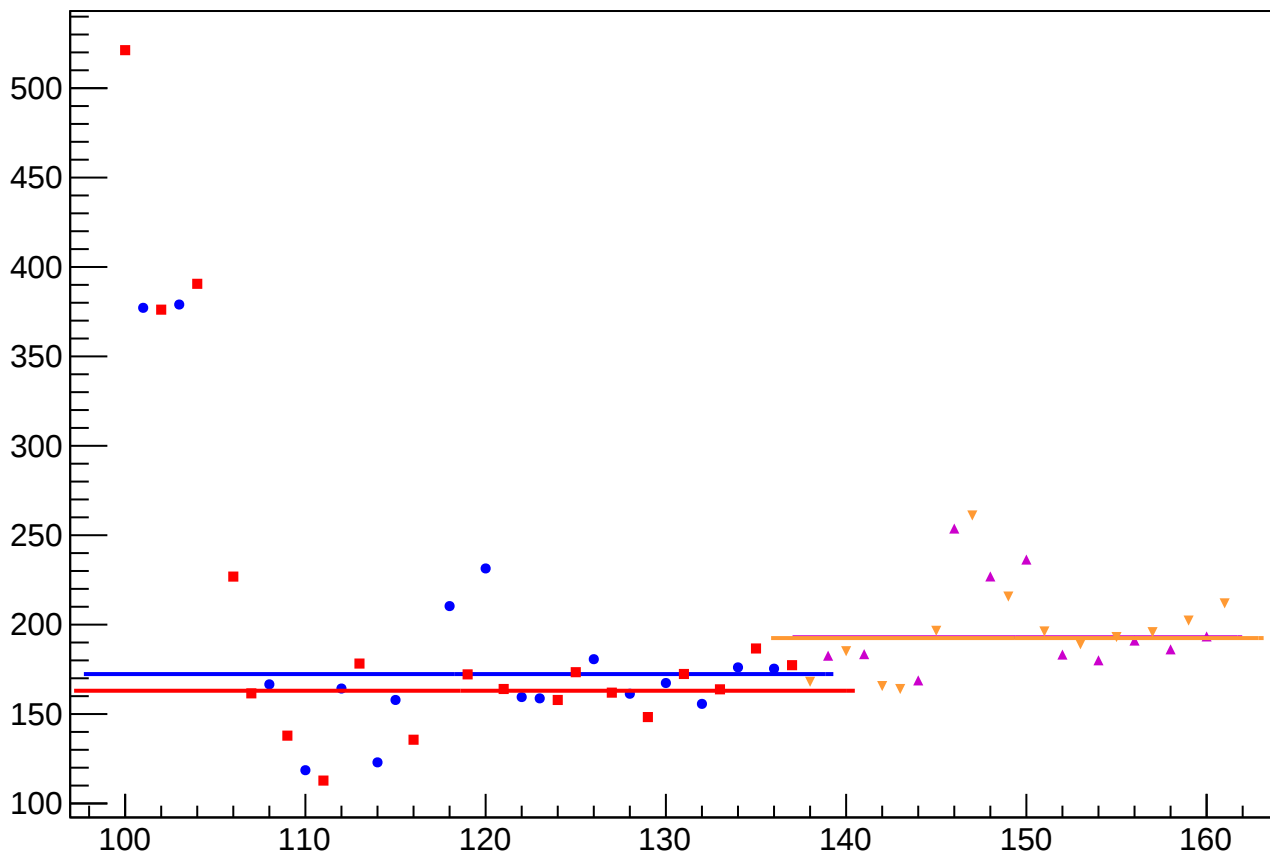
Right Out: 152875.313 $\pm$ 0.066 χ^2 /NDF: 716358700.9/18

Left In: 152351.249 $\pm$ 0.065 χ^2 /NDF: 824201684.1/10

152534.515 $\pm$ 0.047 χ^2 /NDF: 1404577587.3/29

152610.173 $\pm$ 0.047 χ^2 /NDF: 1572269824.5/29

yield_bpm0i07WS_rms vs Slug



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 192.481+/-0.044 χ^2/NDF : 238607.0/12

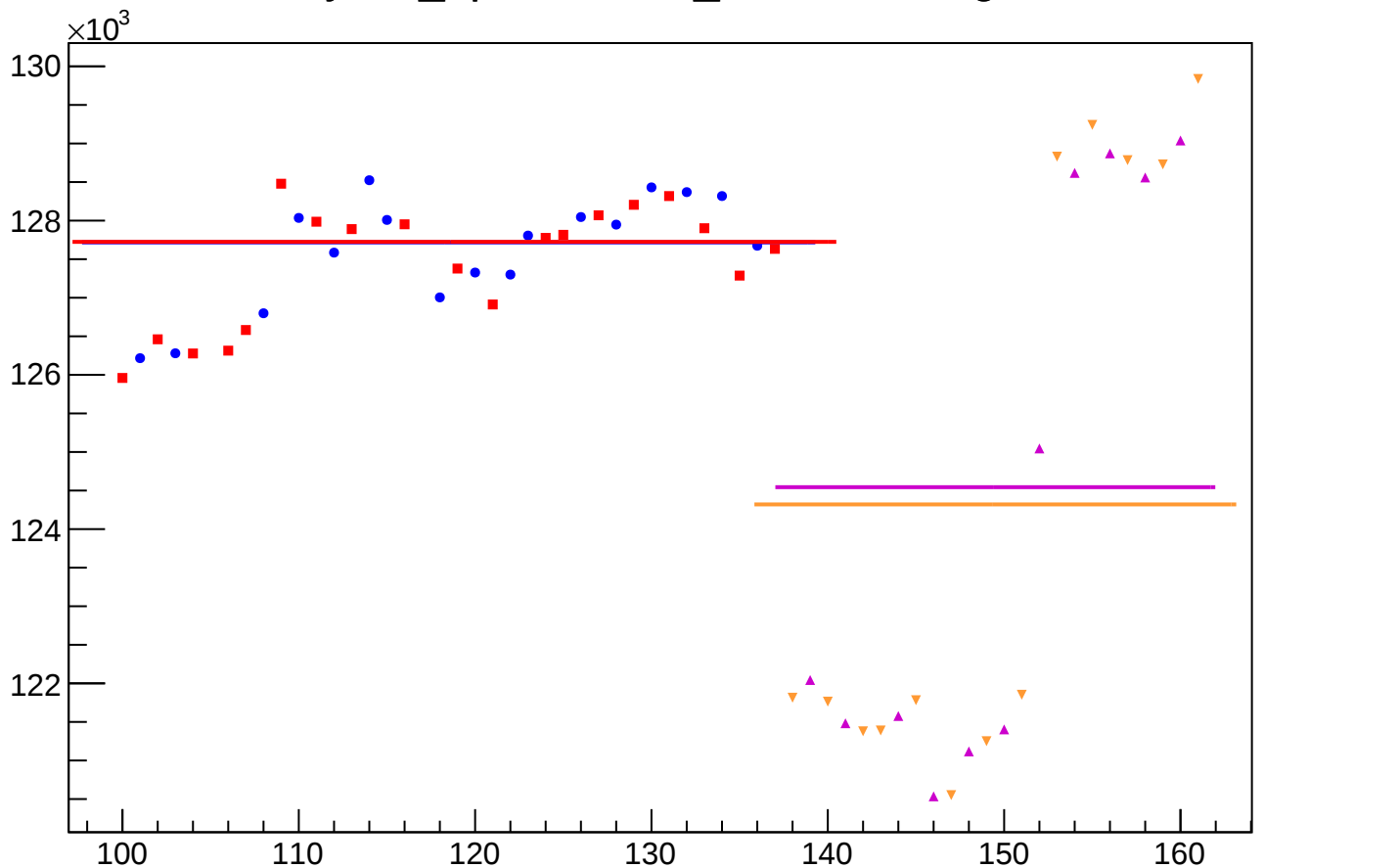
183.852+/-0.033 χ^2/NDF : 1249177.7/29

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

178.172+/-0.033 χ^2/NDF : 1481687.5/29

Left In: 192.960+/-0.046 χ^2/NDF : 242095.4/10

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 ± 0.058 $\chi^2/\text{NDF}: 95177660.2/16$

Left Out: 124320.296 ± 0.055 $\chi^2/\text{NDF}: 4410888771.8/12$

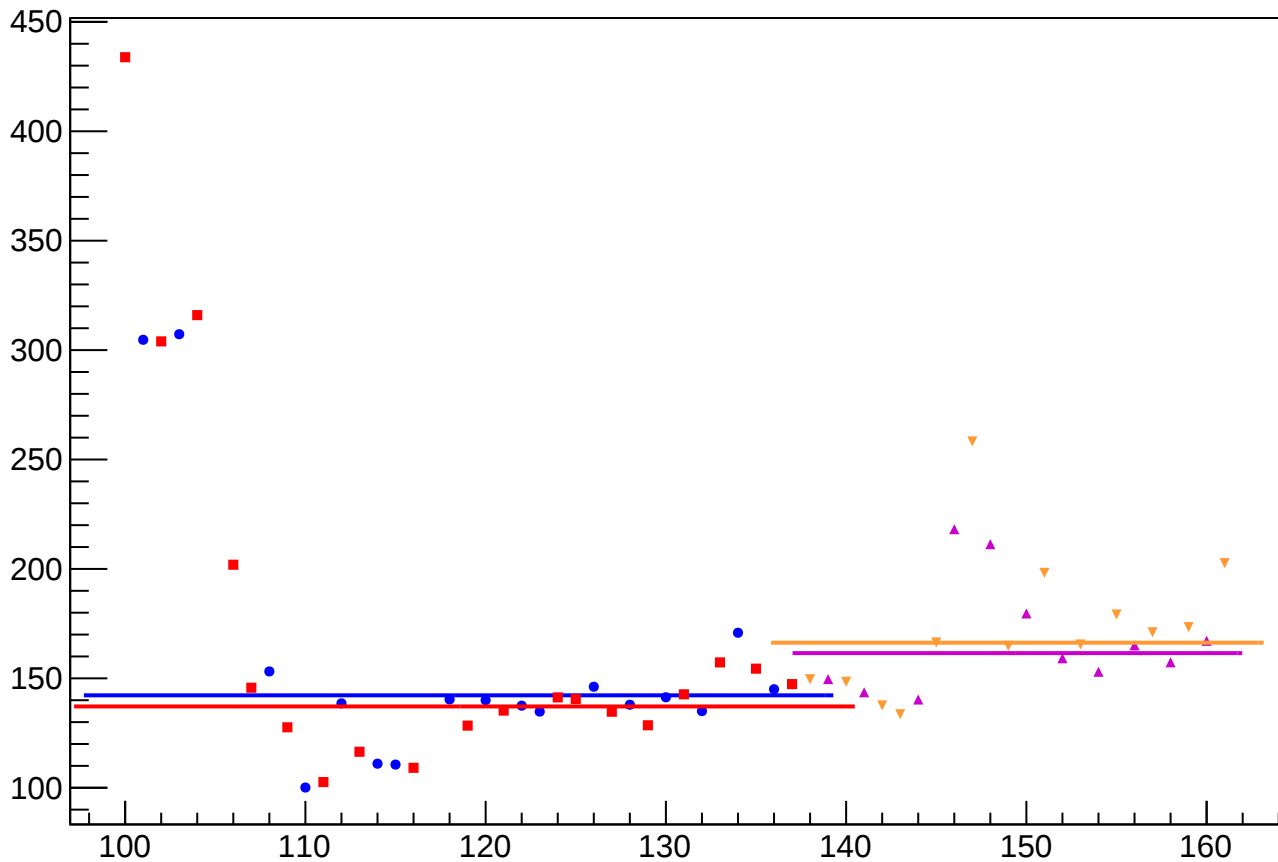
Right Out: 127724.519 ± 0.055 $\chi^2/\text{NDF}: 112550604.4/18$

Left In: 124543.835 ± 0.055 $\chi^2/\text{NDF}: 3873519852.4/10$

125912.540 ± 0.040 $\chi^2/\text{NDF}: 6311681724.0/29$

126151.172 ± 0.039 $\chi^2/\text{NDF}: 5669530889.5/29$

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 ± 0.041 χ^2/NDF : 836415.1/16

Left Out: 166.290 ± 0.039 χ^2/NDF : 449875.2/12

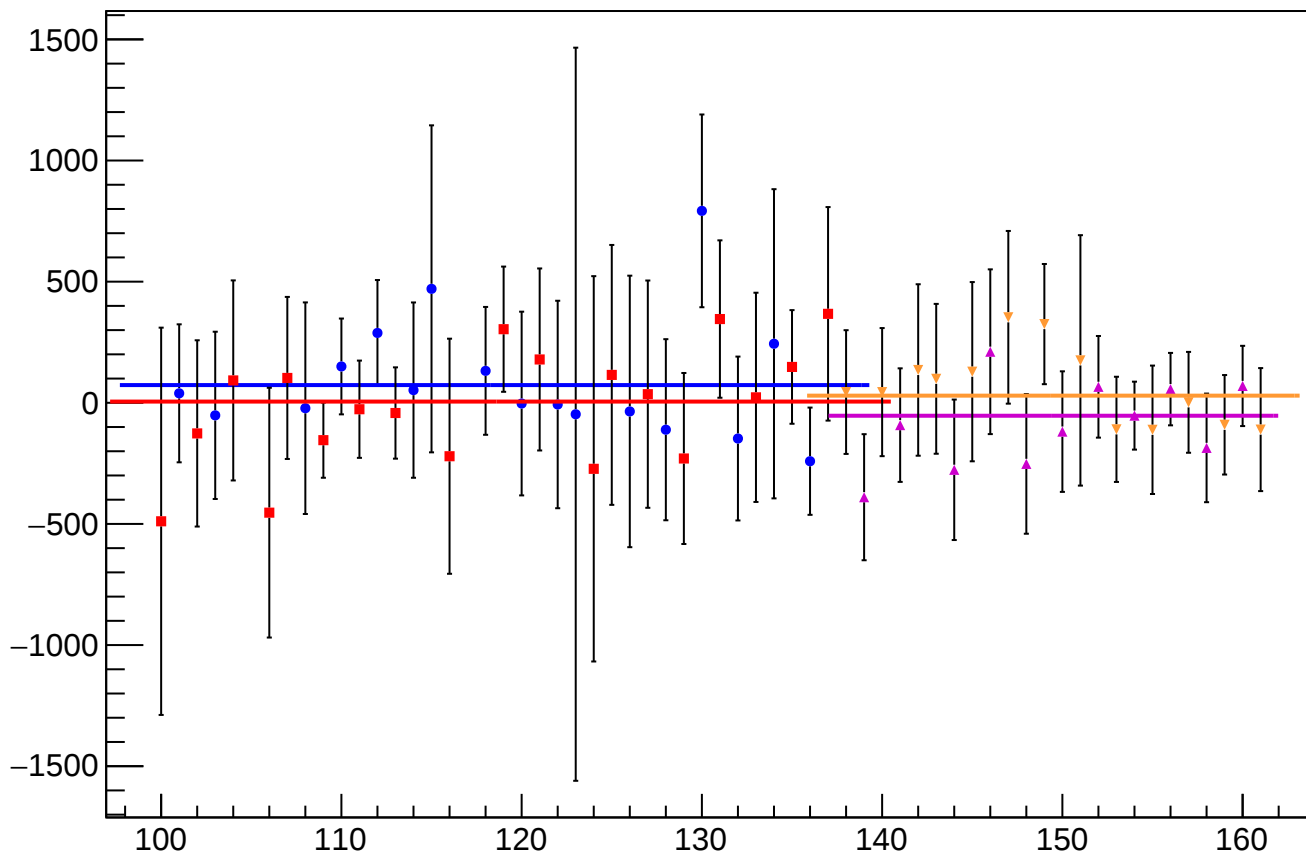
Right Out: 137.151 ± 0.039 χ^2/NDF : 957730.8/18

Left In: 161.529 ± 0.039 χ^2/NDF : 289608.8/10

155.019 ± 0.028 χ^2/NDF : 1467230.5/29

149.210 ± 0.027 χ^2/NDF : 1445115.9/29

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 29.504+/-74.326 χ^2/NDF : 3.9/12

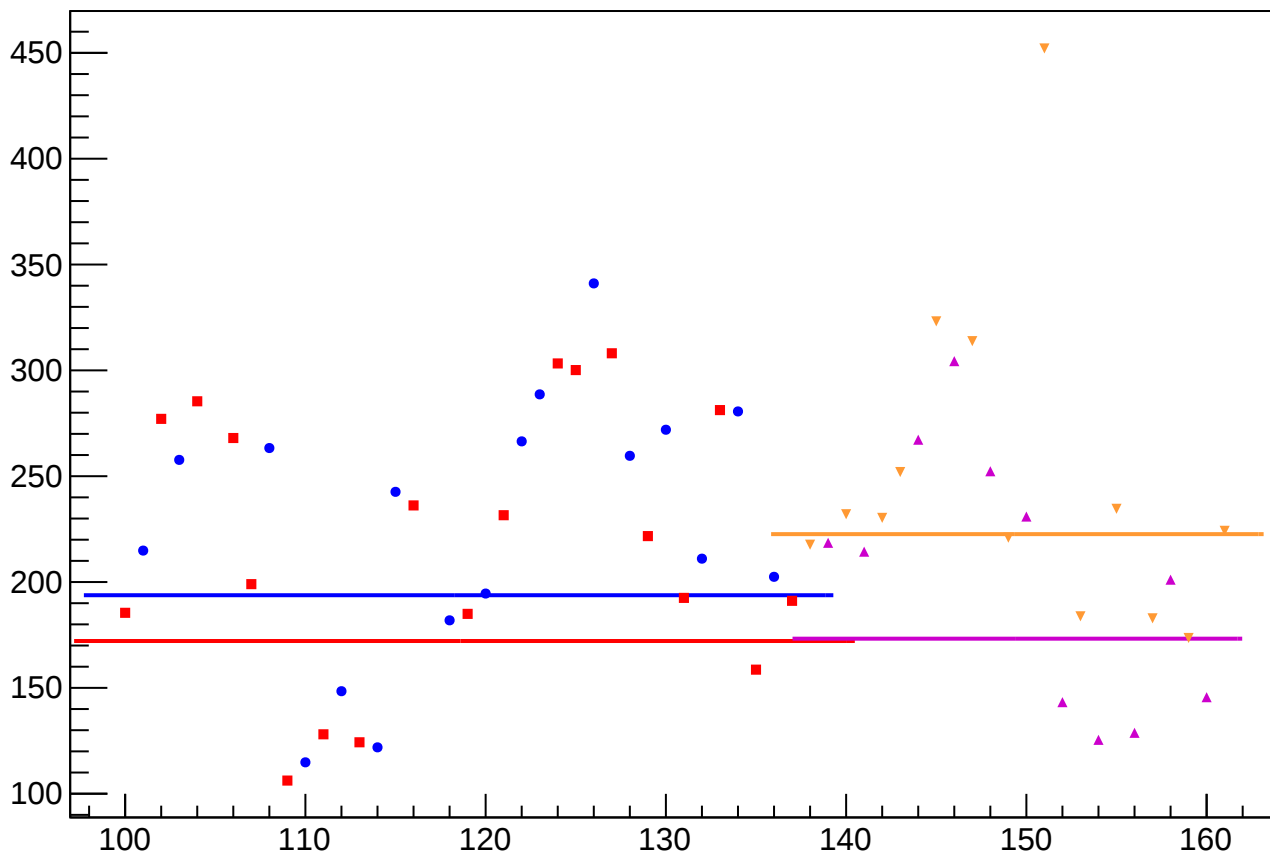
Right Out: 5.021+/-70.098 χ^2/NDF : 7.1/18

Left In: -53.430+/-62.455 χ^2/NDF : 5.2/10

49.813+/-54.326 χ^2/NDF : 11.9/29

-27.564+/-46.632 χ^2/NDF : 12.7/29

asym_bcm_an_ds_rms vs Slug



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 222.631+/-0.053 χ^2/NDF : 950393.4/12

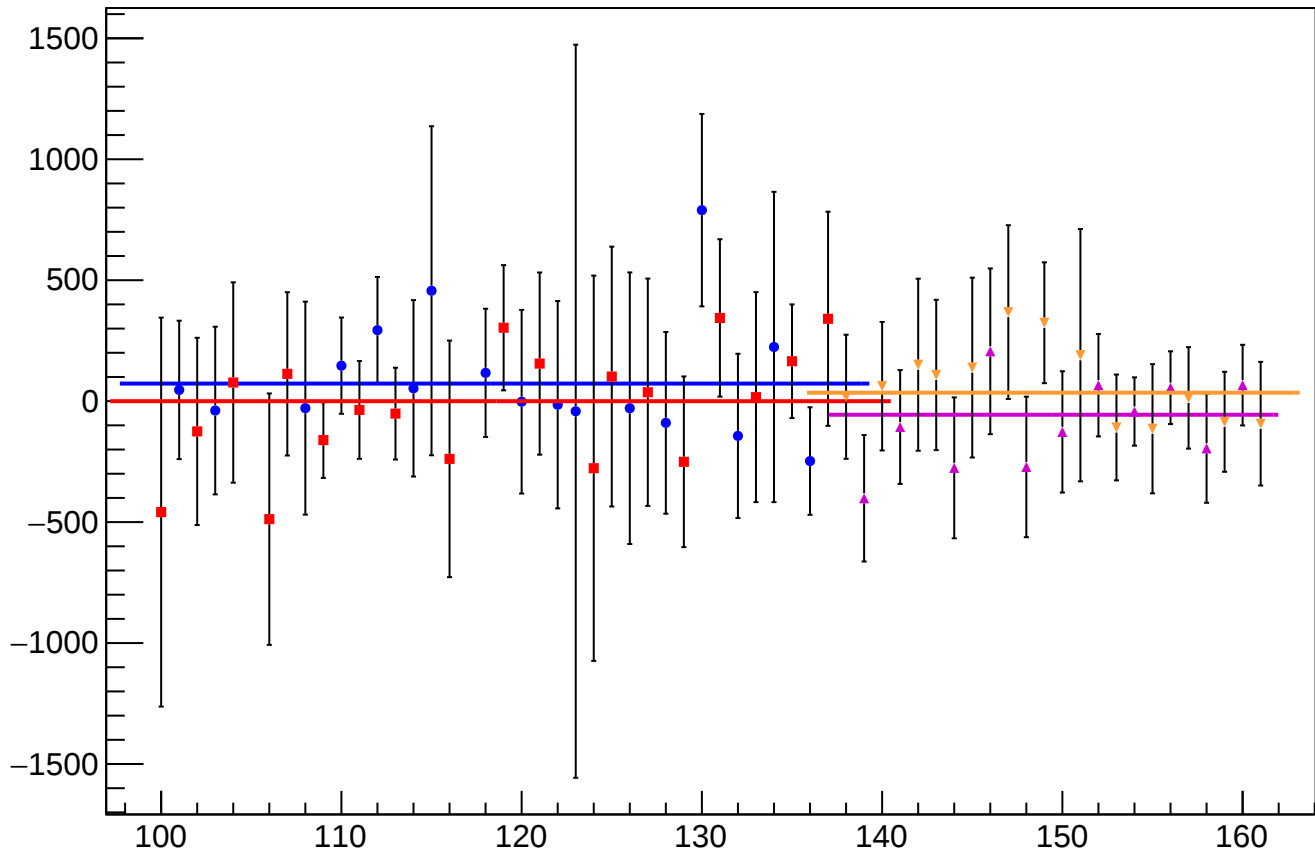
Right Out: 172.142+/-0.050 χ^2/NDF : 1580035.1/18

Left In: 173.241+/-0.044 χ^2/NDF : 1424626.5/10

209.190+/-0.038 χ^2/NDF : 2107905.2/29

172.755+/-0.033 χ^2/NDF : 3004935.8/29

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 34.911+/-74.803 χ^2/NDF : 3.9/12

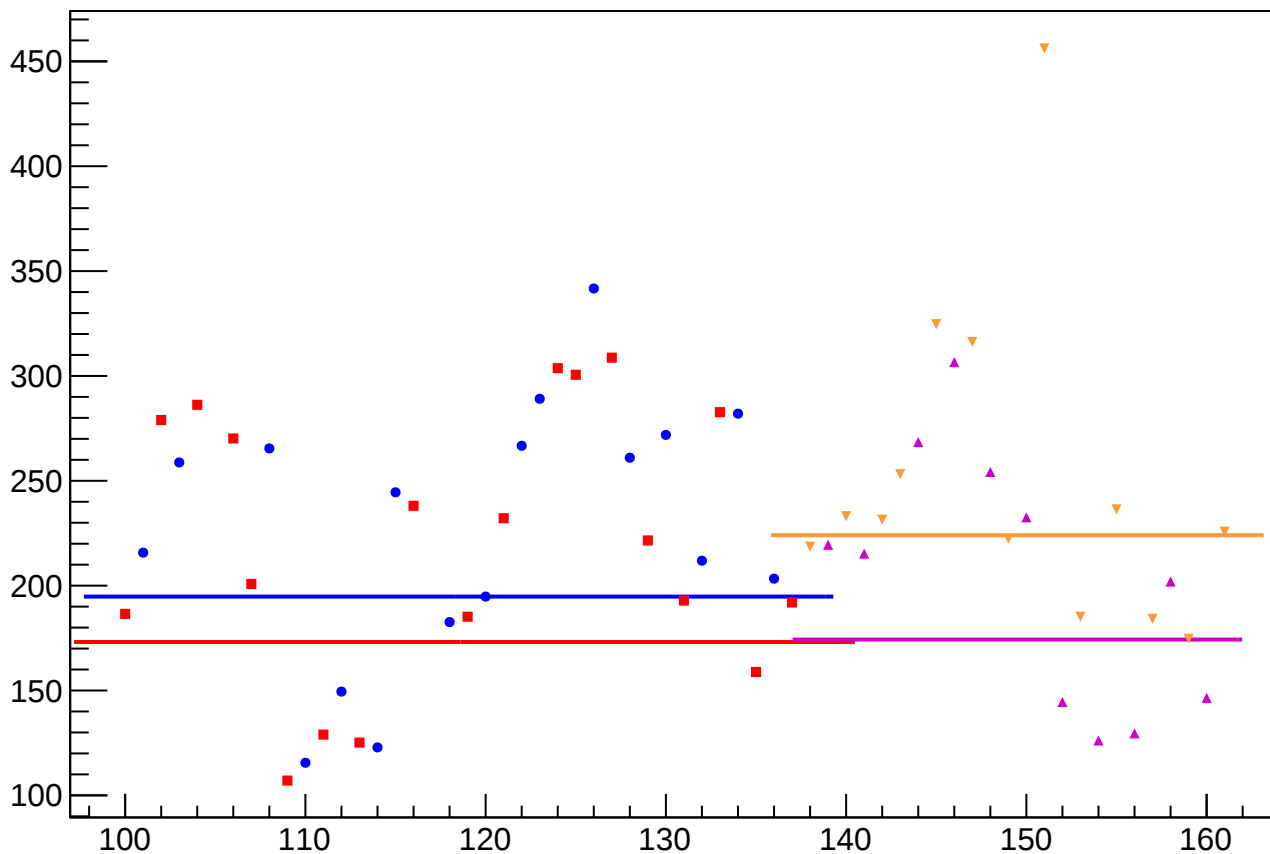
Right Out: -0.181+/-70.467 χ^2/NDF : 7.3/18

Left In: -56.150+/-62.835 χ^2/NDF : 5.4/10

52.529+/-54.636 χ^2/NDF : 11.8/29

-31.360+/-46.898 χ^2/NDF : 13.0/29

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782+/-0.057 χ^2/NDF : 1008292.8/16

Left Out: 224.054+/-0.053 χ^2/NDF :949922.6/12

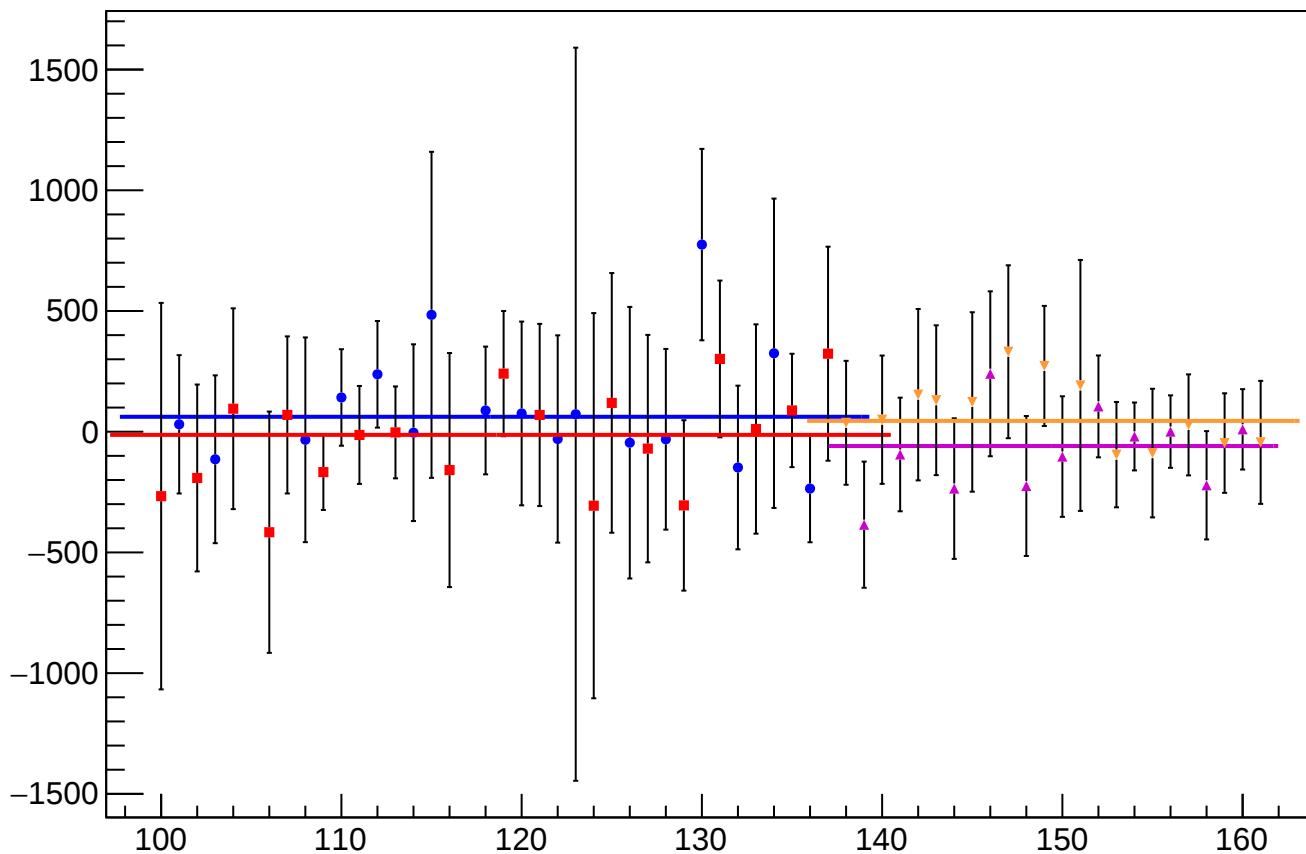
Right Out: 173.131+/-0.050 χ^2/NDF : 1567556.0/18

Left In: 174.296+/-0.044 χ^2/NDF :1422612.3/10

210.398+/-0.039 χ^2/NDF : 2101090.1/29

173.780+/-0.033 χ^2/NDF : 2990472.4/29

asym_bcm_an_us_mean vs Slug



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 44.825+/-74.647 χ^2/NDF : 2.8/12

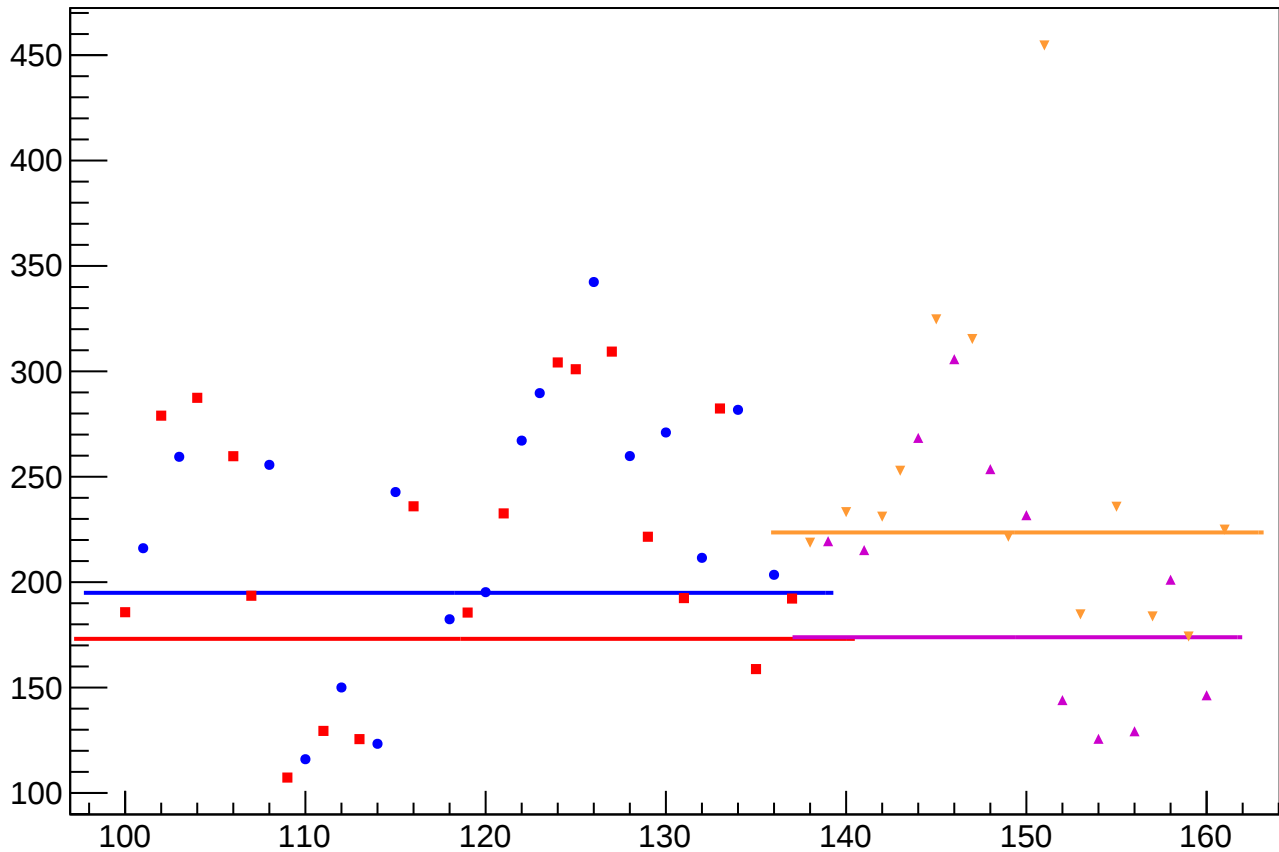
Right Out: -13.101+/-70.391 χ^2/NDF : 5.8/18

Left In: -59.228+/-62.689 χ^2/NDF : 4.6/10

52.734+/-54.573 χ^2/NDF : 10.1/29

-38.825+/-46.815 χ^2/NDF : 10.6/29

asym_bcm_an_us_rms vs Slug



Right In: 194.939+/-0.057 χ^2/NDF : 986629.1/16

Left Out: 223.579+/-0.053 χ^2/NDF : 951446.7/12

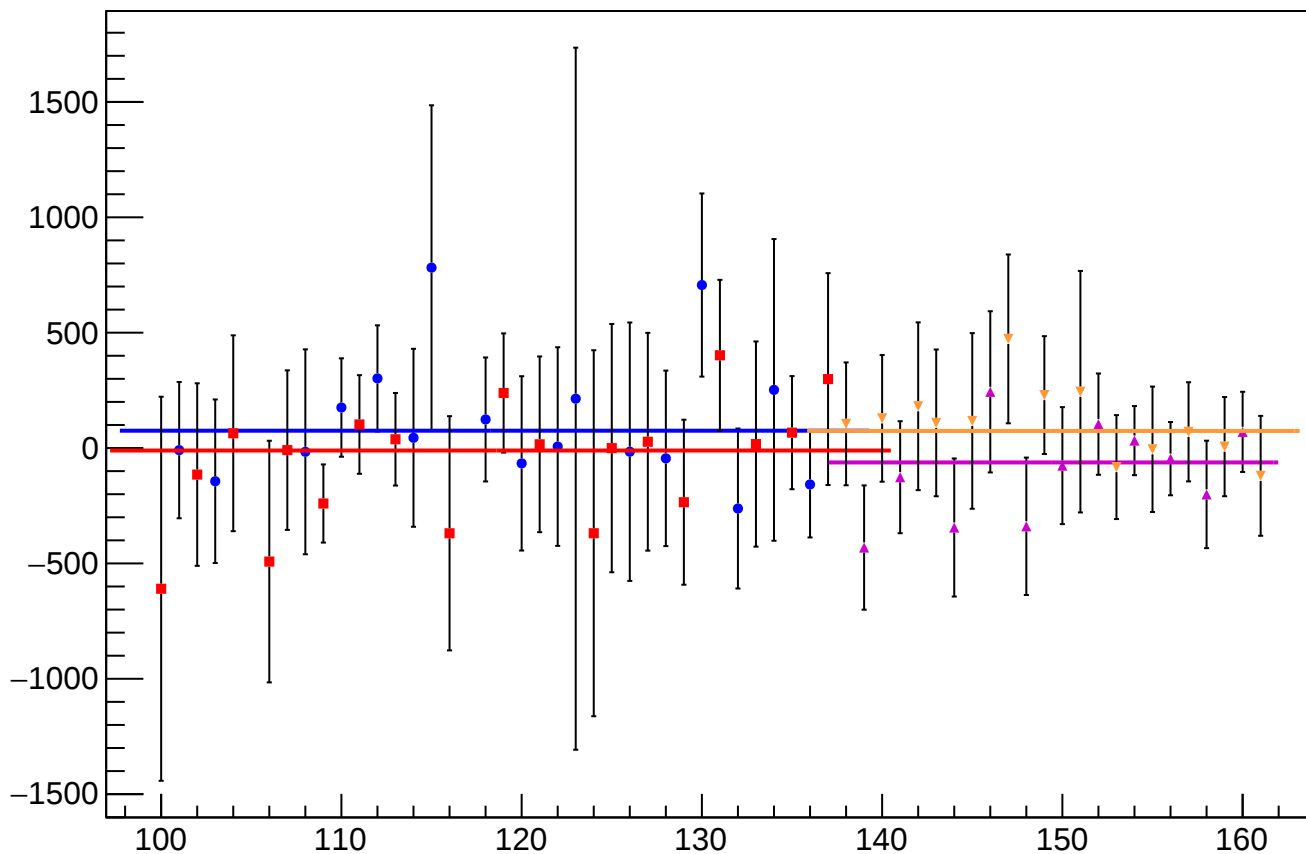
210.247+/-0.039 χ^2/NDF : 2075125.7/29

Right Out: 173.109+/-0.050 χ^2/NDF : 1544723.9/18

173.535+/-0.033 χ^2/NDF : 2971229.5/29

Left In: 173.874+/-0.044 χ^2/NDF : 1426373.9/10

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 74.137 $\pm$ 76.800 χ^2 /NDF: 3.1/12

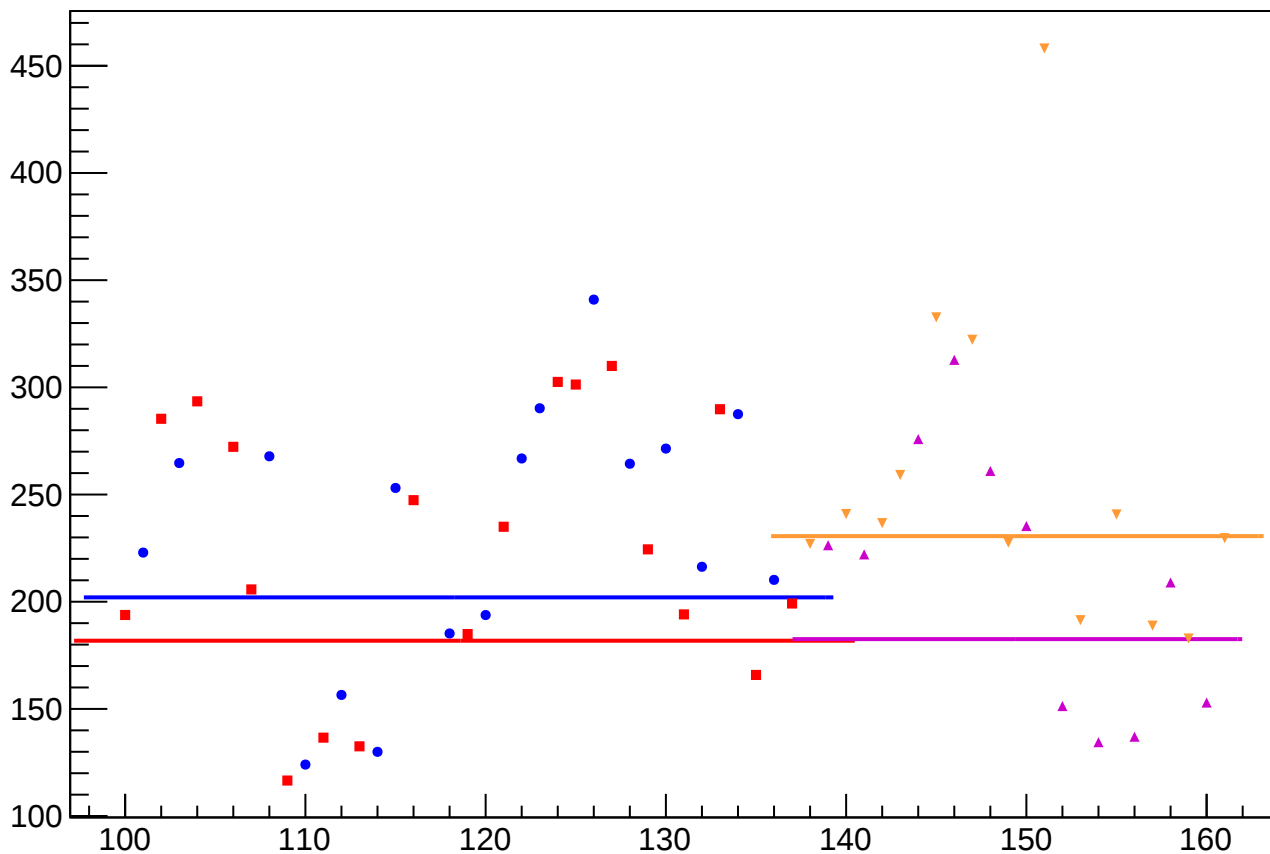
Right Out: -10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

Left In: -62.350 $\pm$ 65.432 χ^2 /NDF: 6.4/10

74.633 $\pm$ 56.214 χ^2 /NDF: 10.7/29

-39.446 $\pm$ 48.824 χ^2 /NDF: 14.5/29

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 230.594 $\pm$ 0.054 χ^2 /NDF: 904693.5/12

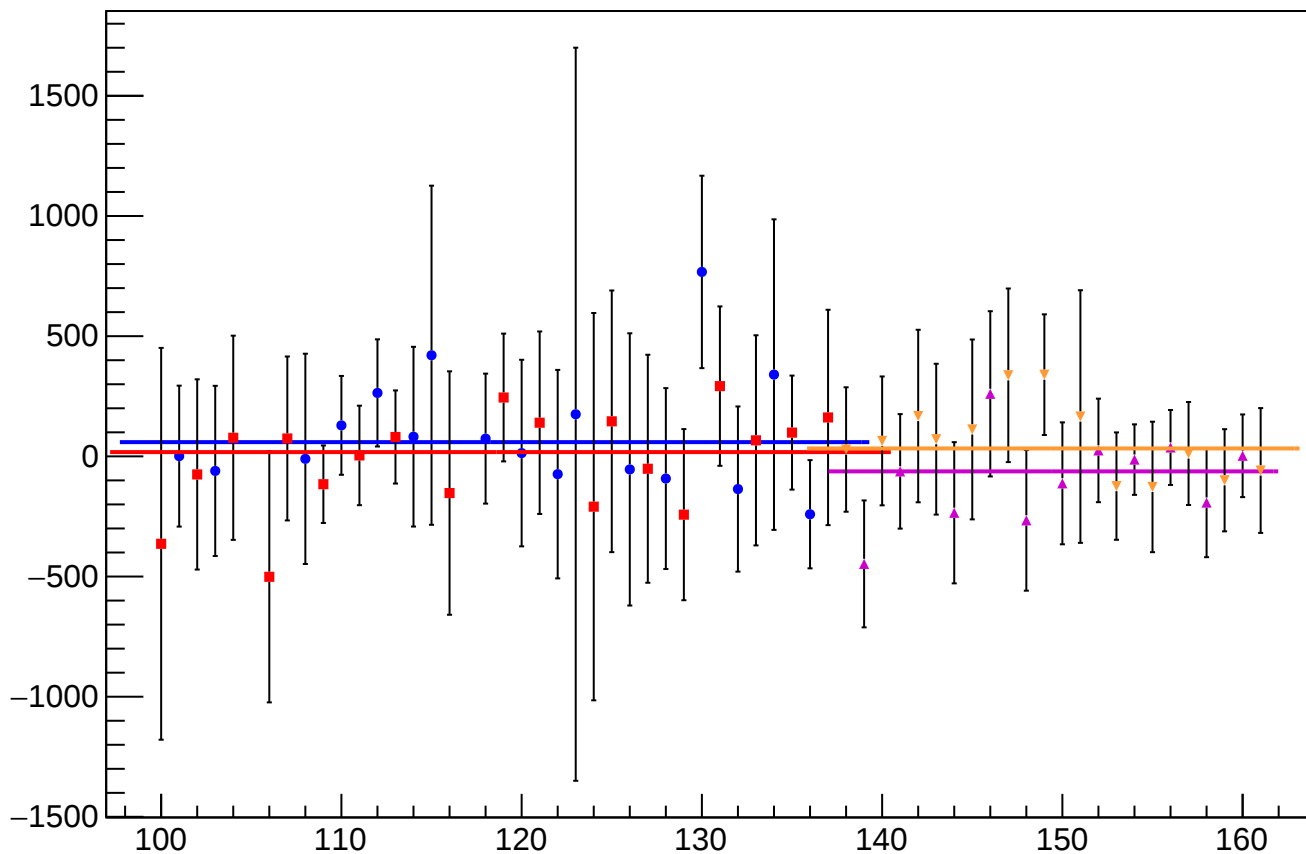
Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

Left In: 182.552 $\pm$ 0.046 χ^2 /NDF: 1298883.3/10

217.333 $\pm$ 0.040 χ^2 /NDF: 1914749.7/29

182.224 $\pm$ 0.035 χ^2 /NDF: 2676534.0/29

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 32.905+/-75.932 χ^2/NDF : 3.8/12

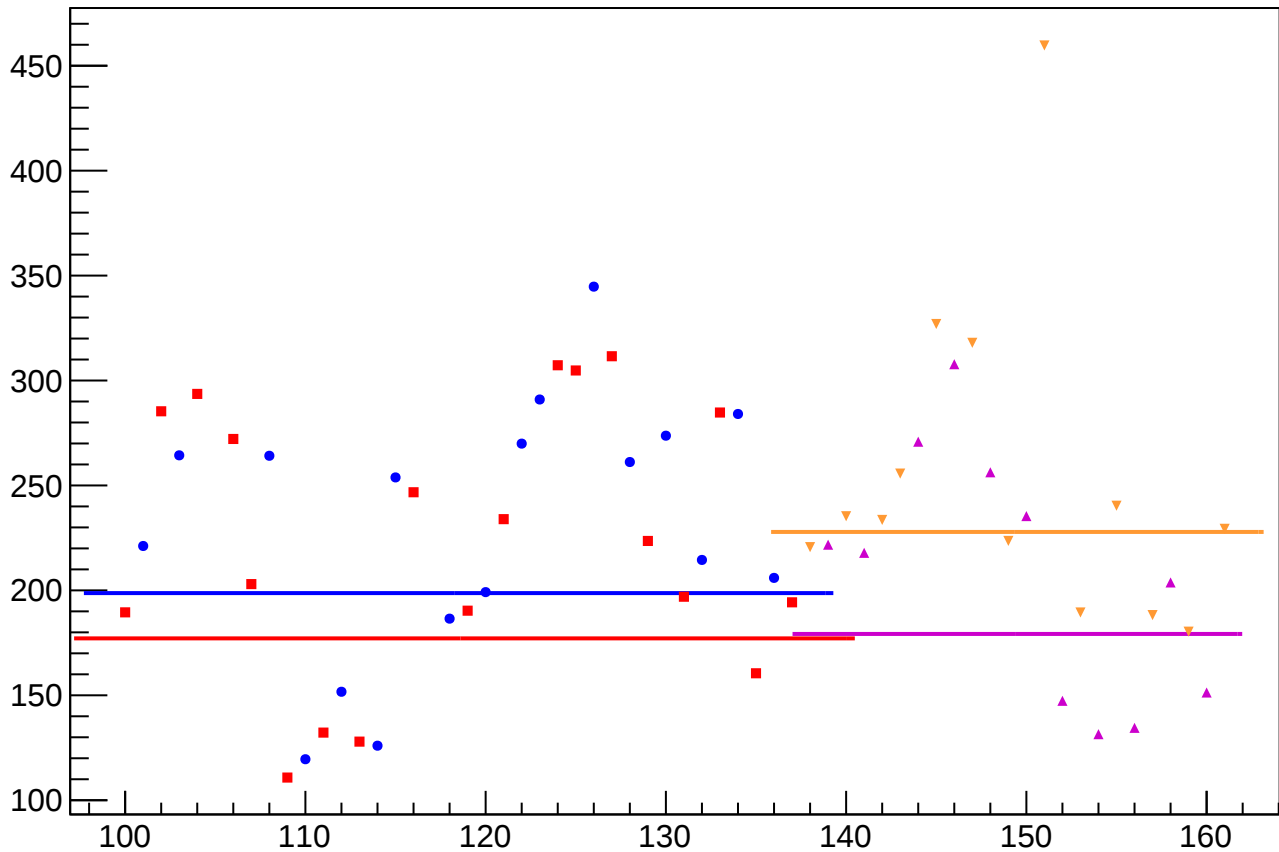
Right Out: 17.727+/-71.900 χ^2/NDF : 4.7/18

Left In: -62.532+/-64.343 χ^2/NDF : 5.0/10

45.125+/-55.530 χ^2/NDF : 11.0/29

-26.840+/-47.947 χ^2/NDF : 10.4/29

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 227.848 $\pm$ 0.054 χ^2 /NDF: 905695.3/12

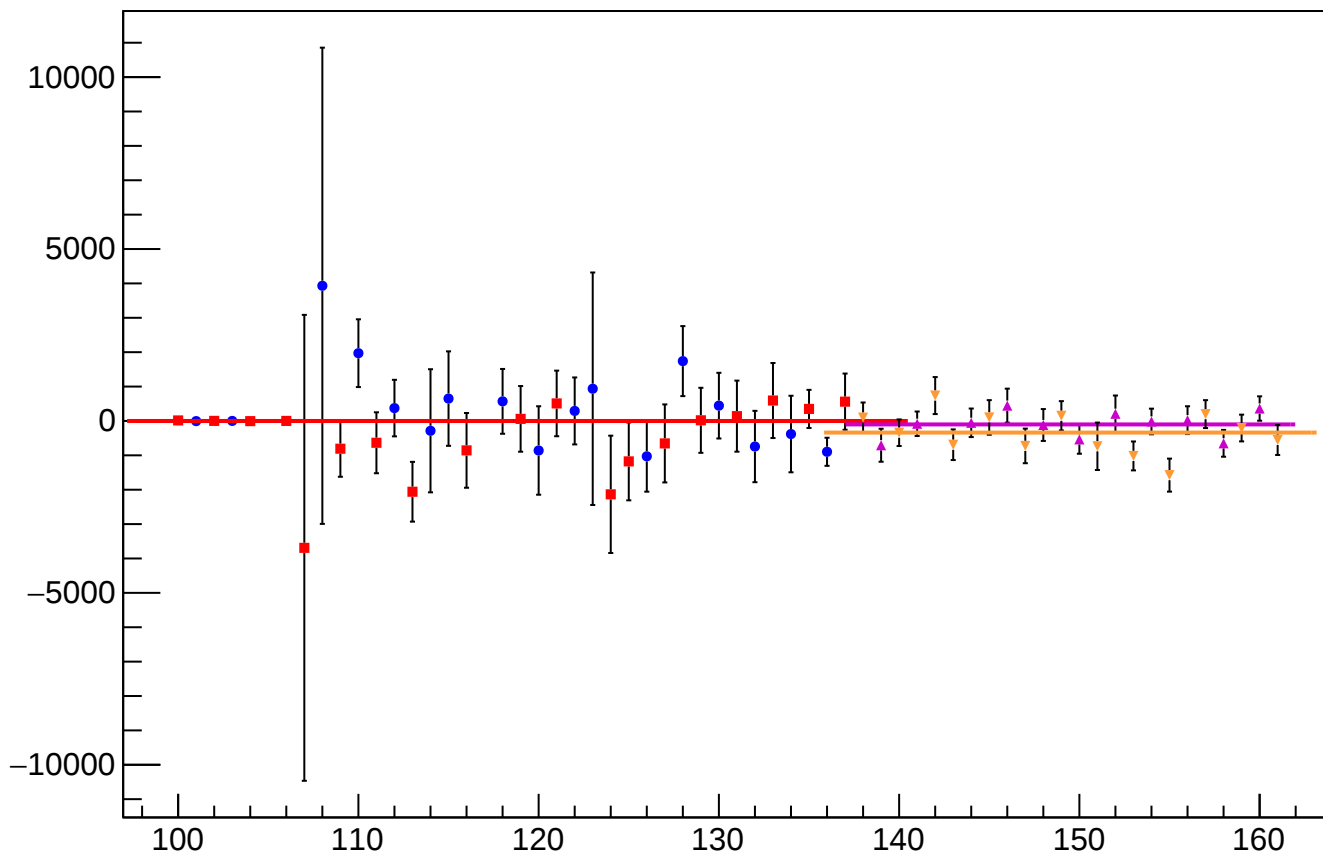
Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

Left In: 179.240 $\pm$ 0.045 χ^2 /NDF: 1311514.5/10

214.290 $\pm$ 0.039 χ^2 /NDF: 2006147.5/29

178.299 $\pm$ 0.034 χ^2 /NDF: 2837365.6/29

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -338.063 ± 125.199 χ^2/NDF : 20.0/12

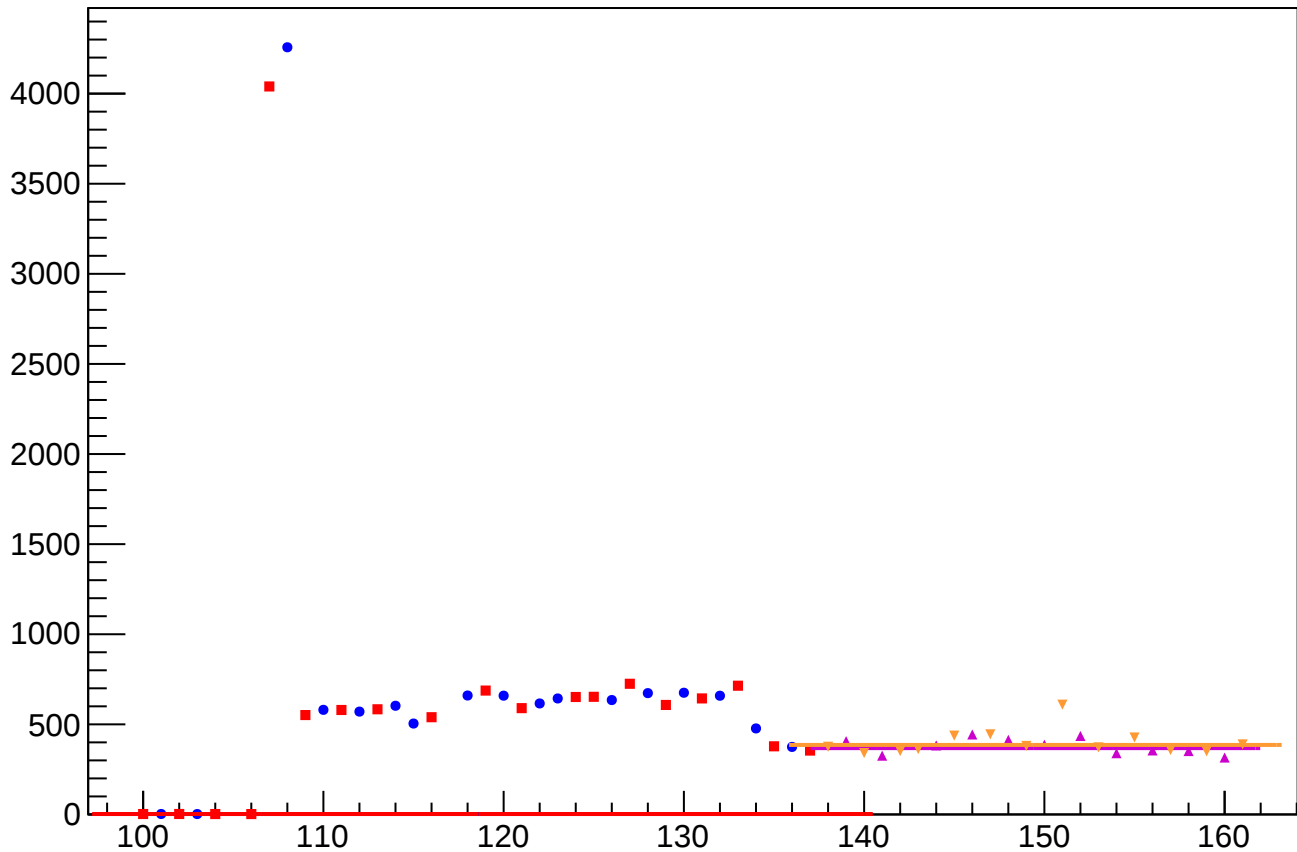
Right Out: -0.731 ± 2.111 χ^2/NDF : 18.4/18

Left In: -101.351 ± 125.103 χ^2/NDF : 8.1/10

-1.638 ± 2.251 χ^2/NDF : 43.9/29

-0.760 ± 2.111 χ^2/NDF : 27.1/29

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 385.786+/-0.089 χ^2/NDF : 343429.6/12

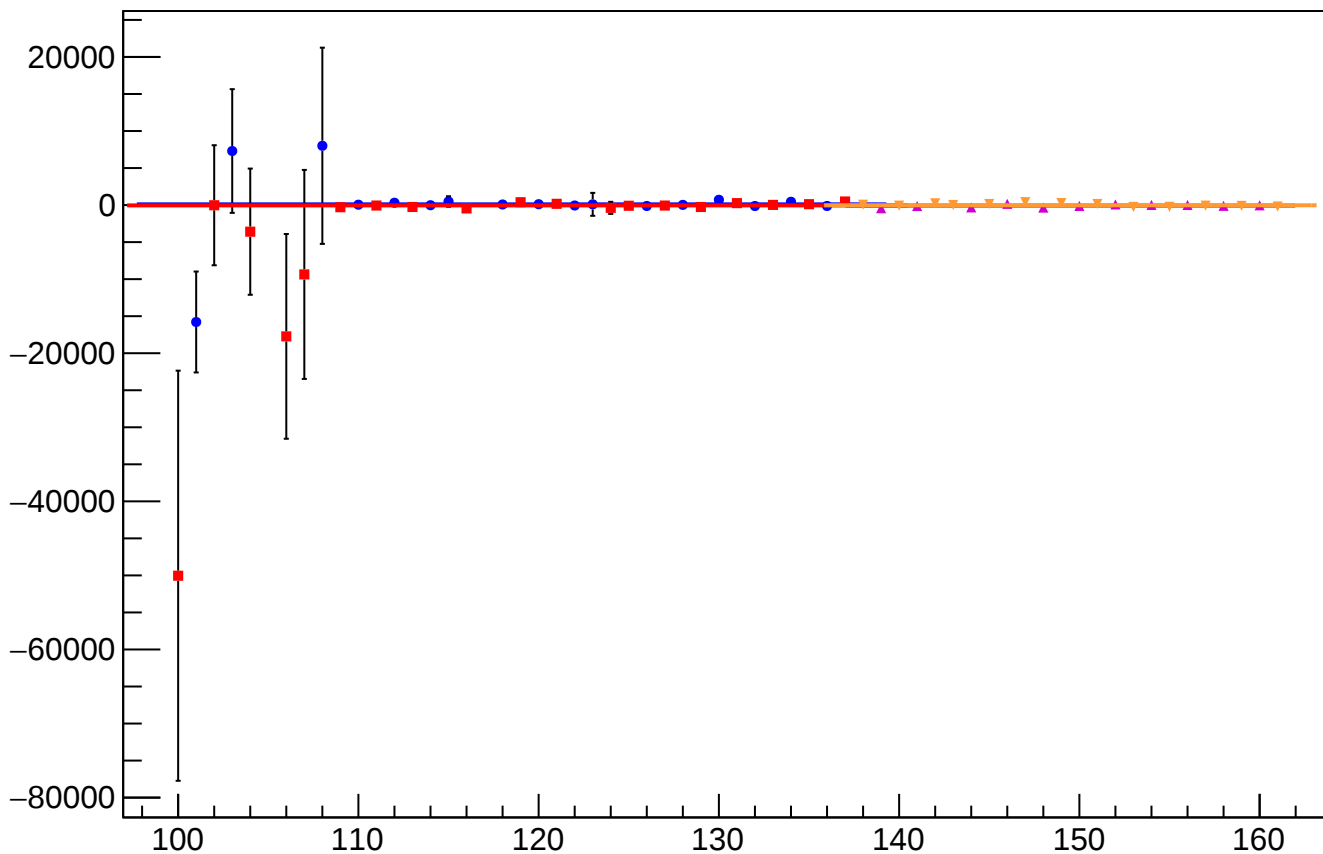
Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

Left In: 368.050+/-0.088 χ^2/NDF : 206403.9/10

2.580+/-0.002 χ^2/NDF : 29792597.0/29

2.541+/-0.001 χ^2/NDF : 28423736.1/29

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -26.120+/-80.829 χ^2/NDF : 5.1/12

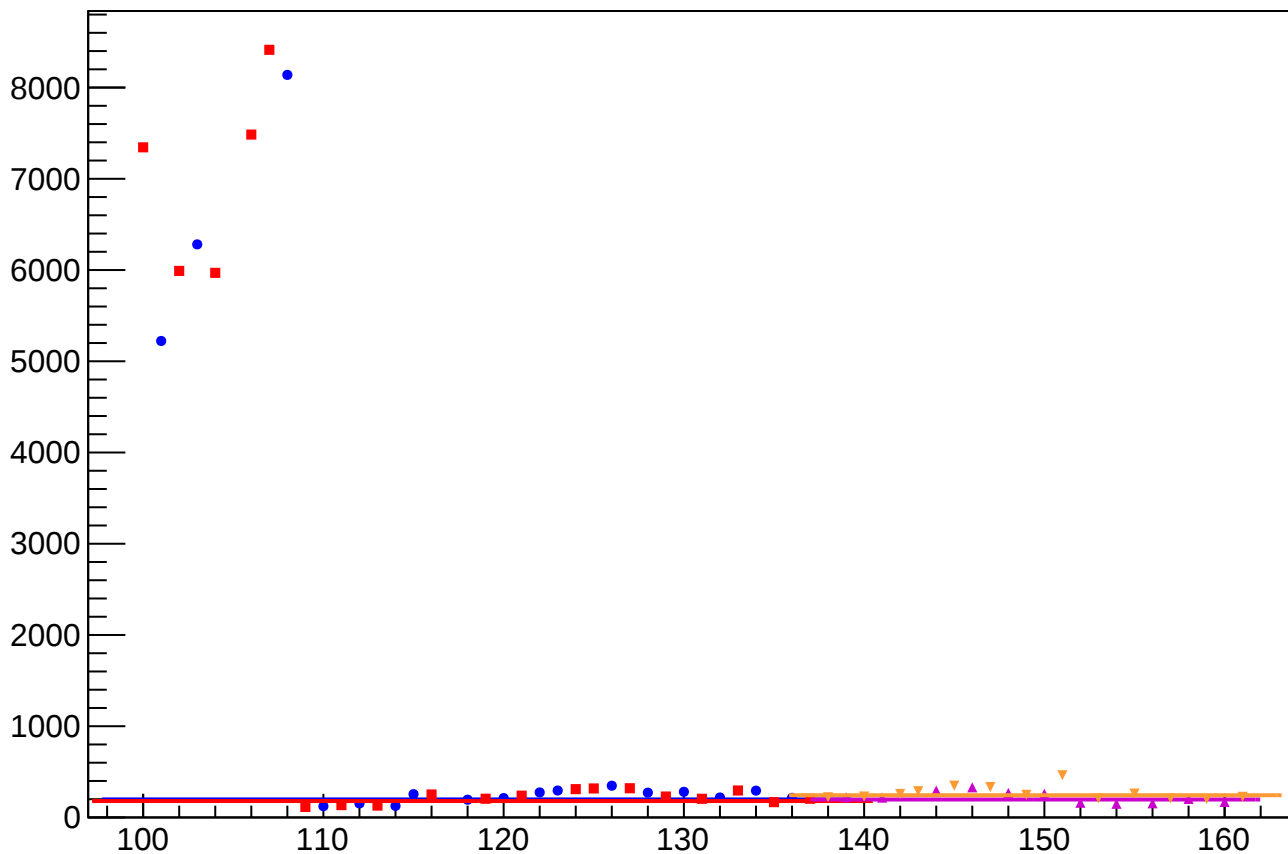
Right Out: -42.617+/-84.547 χ^2/NDF : 14.0/18

Left In: -72.207+/-69.834 χ^2/NDF : 4.7/10

26.988+/-60.638 χ^2/NDF : 18.1/29

-60.207+/-53.842 χ^2/NDF : 18.8/29

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 243.672+/-0.057 χ^2/NDF :817954.2/12

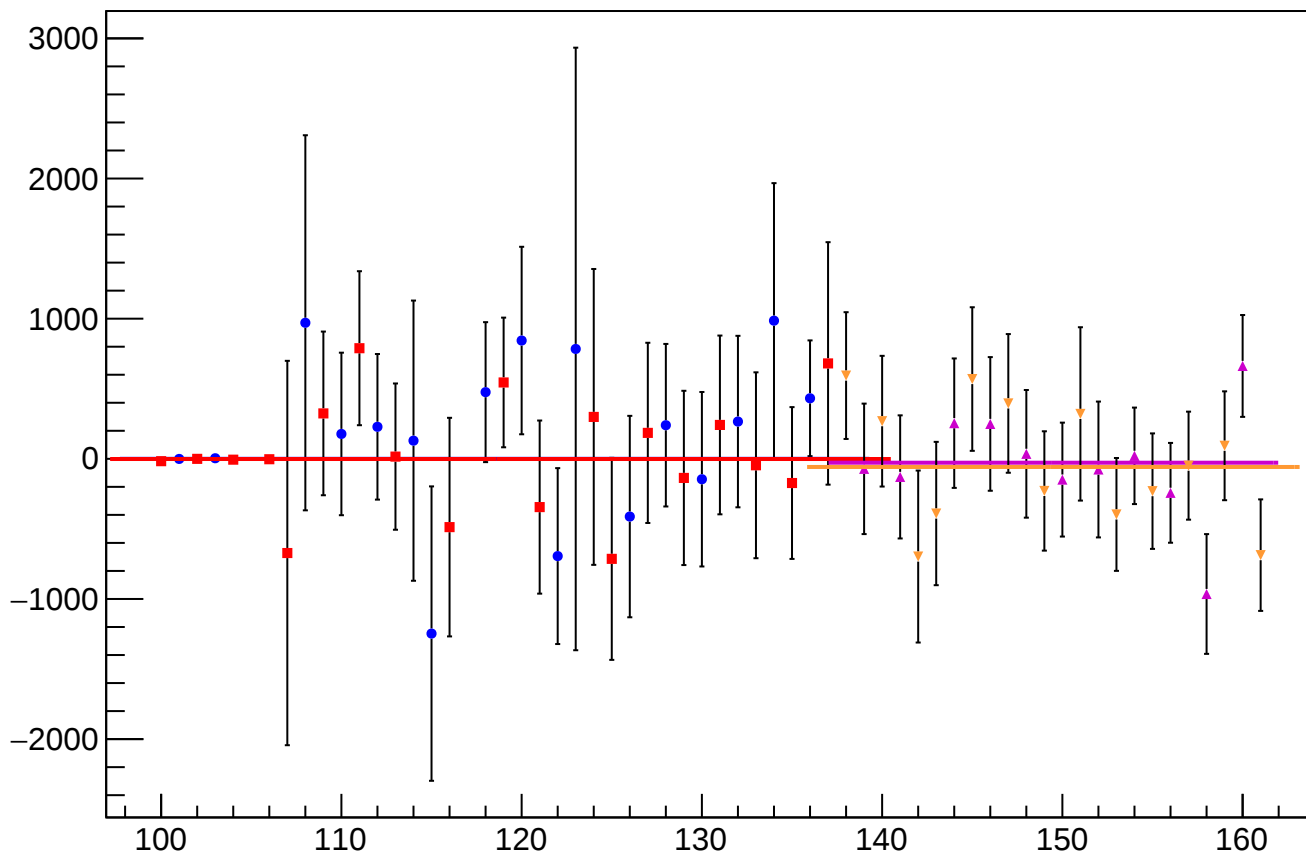
Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

Left In: 196.630+/-0.049 χ^2/NDF :1052158.9/10

223.452+/-0.043 χ^2/NDF : 4800091.6/29

189.878+/-0.038 χ^2/NDF : 5419653.8/29

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -58.165 ± 125.266 χ^2/NDF : 10.5/12

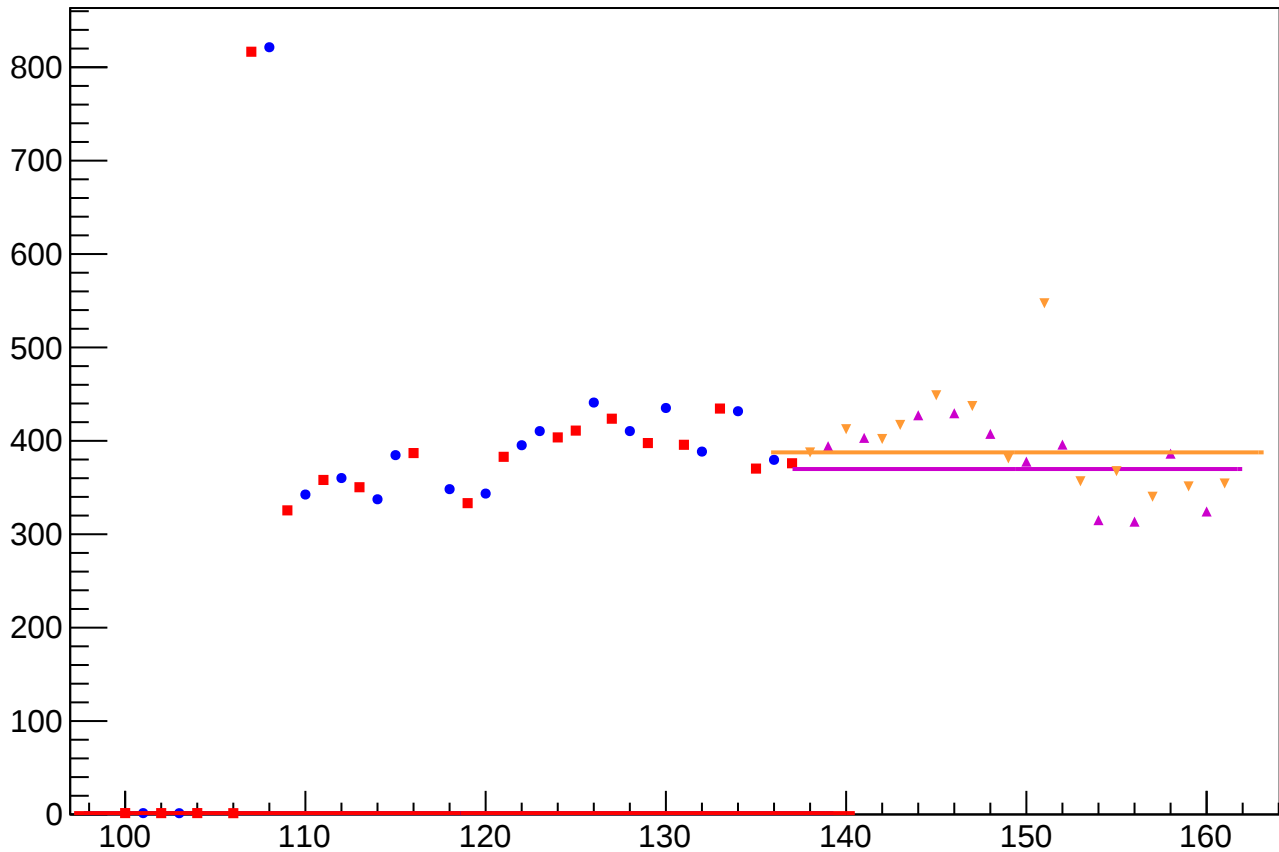
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.5/18

Left In: -27.731 ± 125.600 χ^2/NDF : 9.7/10

-0.150 ± 1.736 χ^2/NDF : 20.5/29

-1.328 ± 1.622 χ^2/NDF : 19.2/29

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 387.659+/-0.089 χ^2/NDF : 274219.9/12

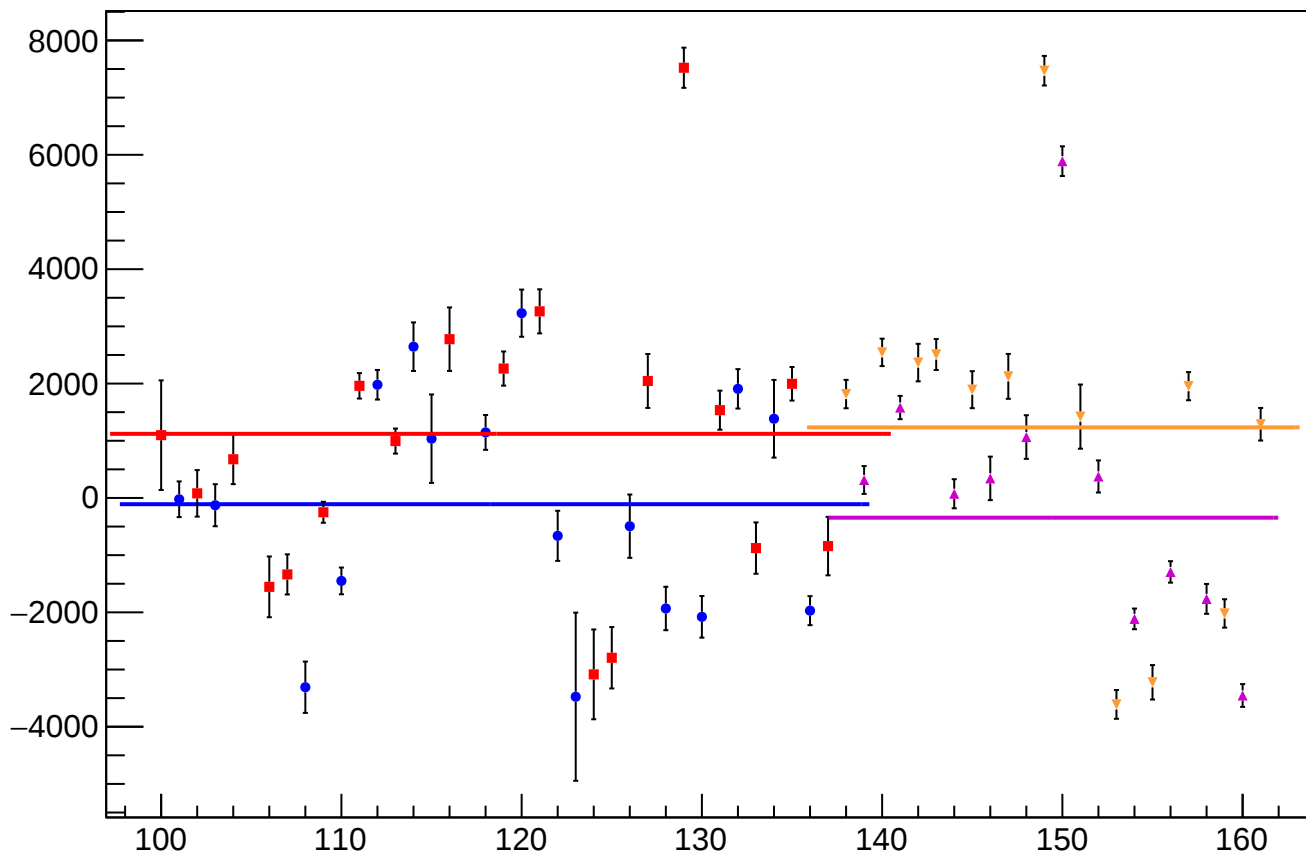
1.526+/-0.001 χ^2/NDF : 30097451.4/29

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

1.512+/-0.001 χ^2/NDF : 28309629.7/29

Left In: 369.828+/-0.089 χ^2/NDF : 234632.3/10

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 χ^2/NDF : 428.3/16

Left Out: 1234.177 ± 78.402 χ^2/NDF : 1430.7/12

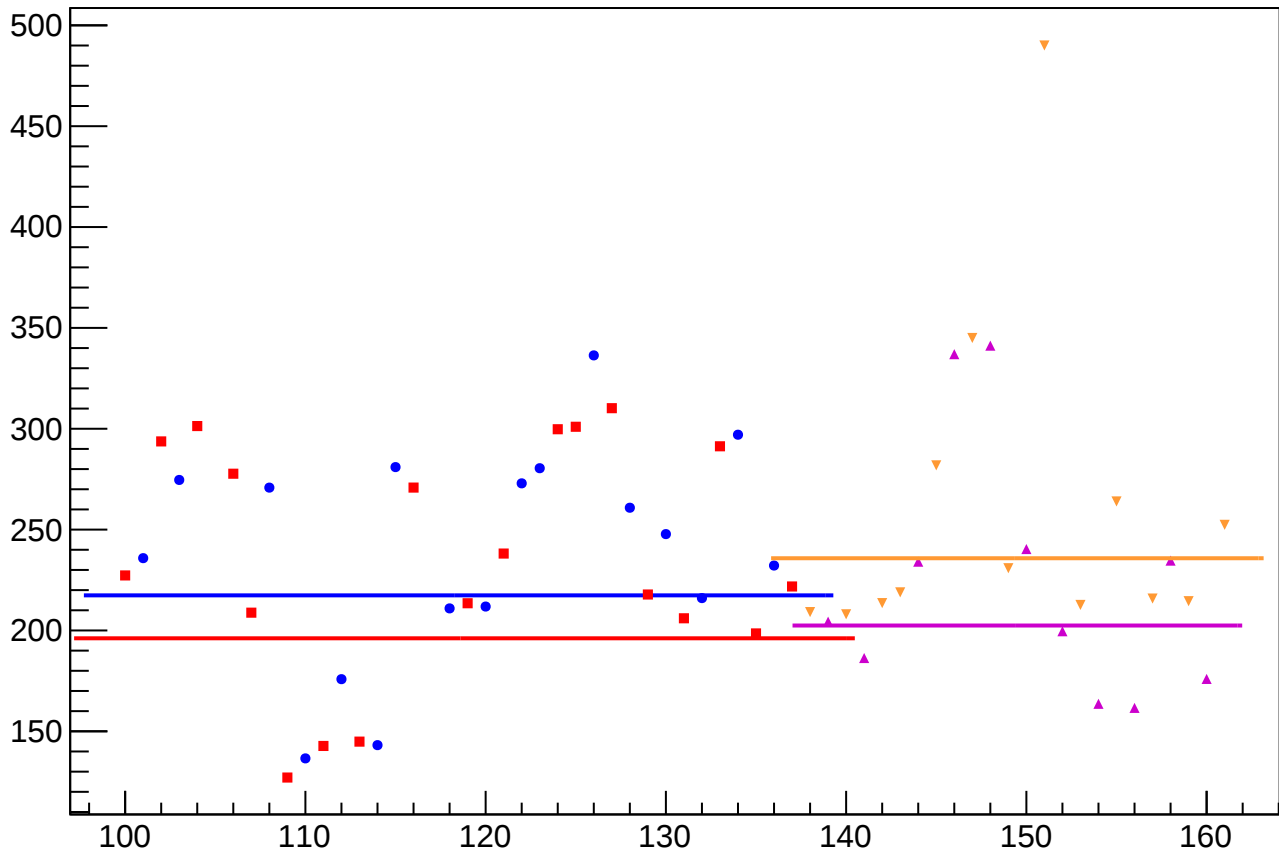
Right Out: 1121.203 ± 78.396 χ^2/NDF : 670.1/18

Left In: -344.979 ± 71.304 χ^2/NDF : 1094.3/10

639.417 ± 58.527 χ^2/NDF : 1989.1/29

318.807 ± 52.749 χ^2/NDF : 1955.8/29

asym_bcm0l02_rms vs Slug



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 235.801 $\pm$ 0.055 χ^2 /NDF: 742940.2/12

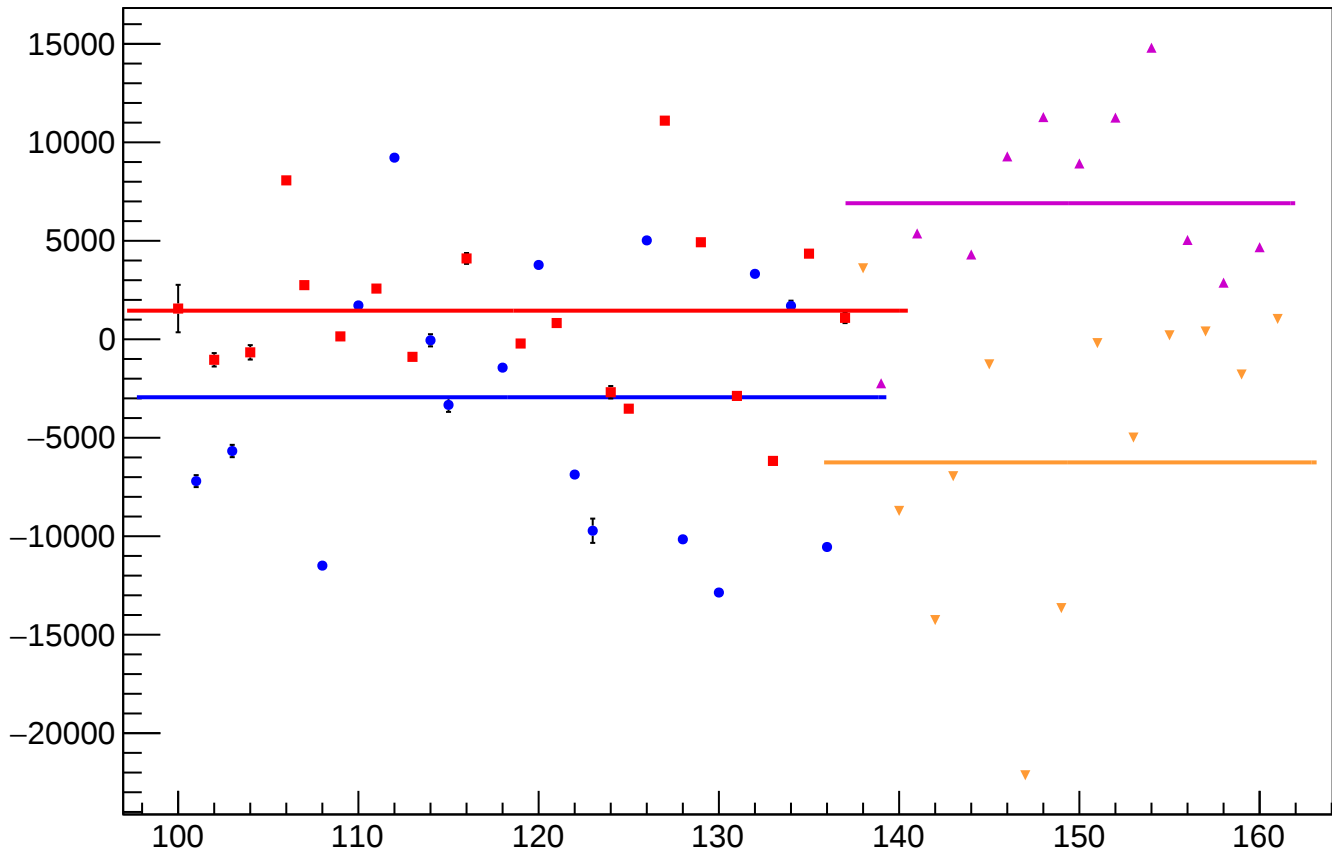
Right Out: 196.112 $\pm$ 0.055 χ^2 /NDF: 1190862.3/18

Left In: 202.448 $\pm$ 0.050 χ^2 /NDF: 854373.3/10

227.656 $\pm$ 0.041 χ^2 /NDF: 1444335.3/29

199.579 $\pm$ 0.037 χ^2 /NDF: 2052383.9/29

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -6251.194 ± 41.555 $\chi^2/\text{NDF}: 33963.7/12$

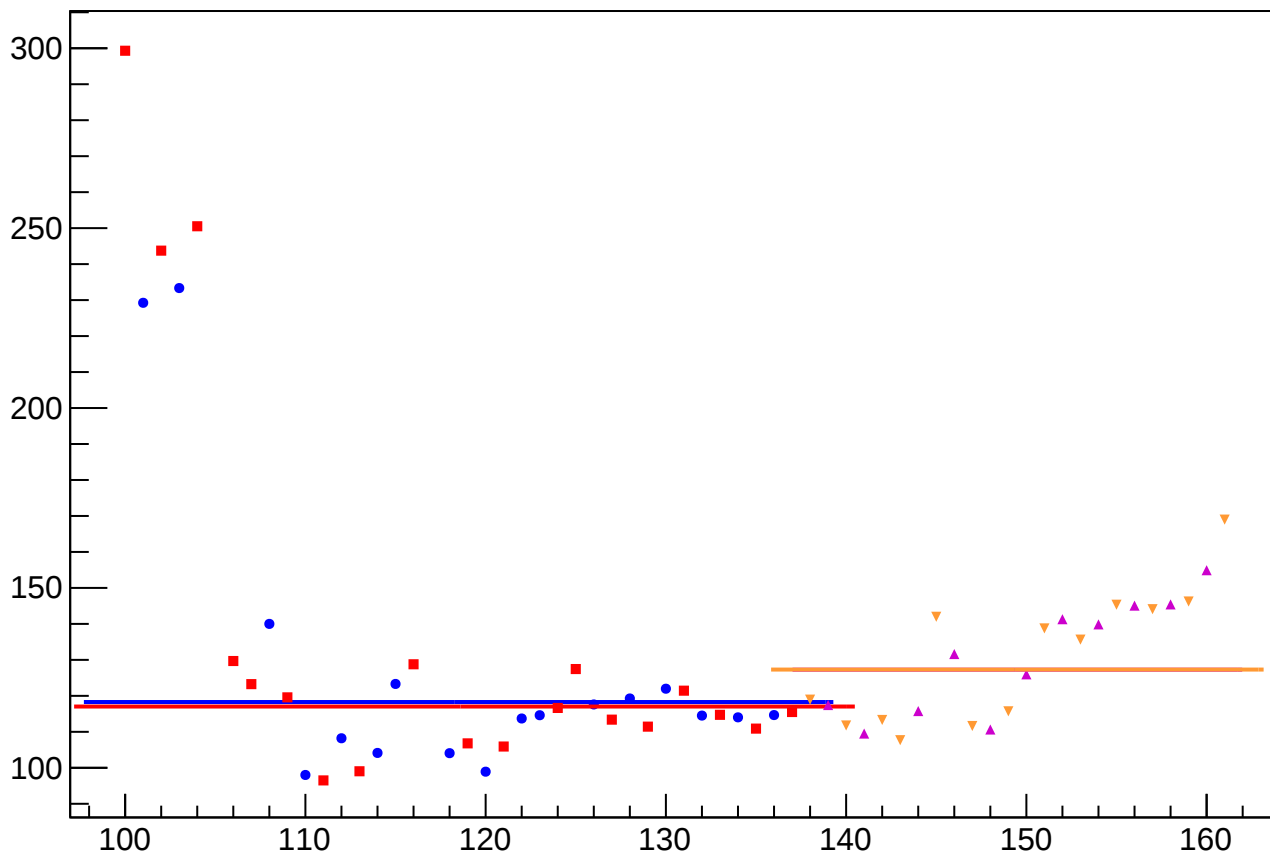
Right Out: 1453.116 ± 46.404 $\chi^2/\text{NDF}: 7996.0/18$

Left In: 6908.485 ± 43.223 $\chi^2/\text{NDF}: 10762.5/10$

-4854.503 ± 31.587 $\chi^2/\text{NDF}: 57549.2/29$

4374.132 ± 31.628 $\chi^2/\text{NDF}: 26158.9/29$

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 127.305+/-0.029 χ^2/NDF : 337748.8/12

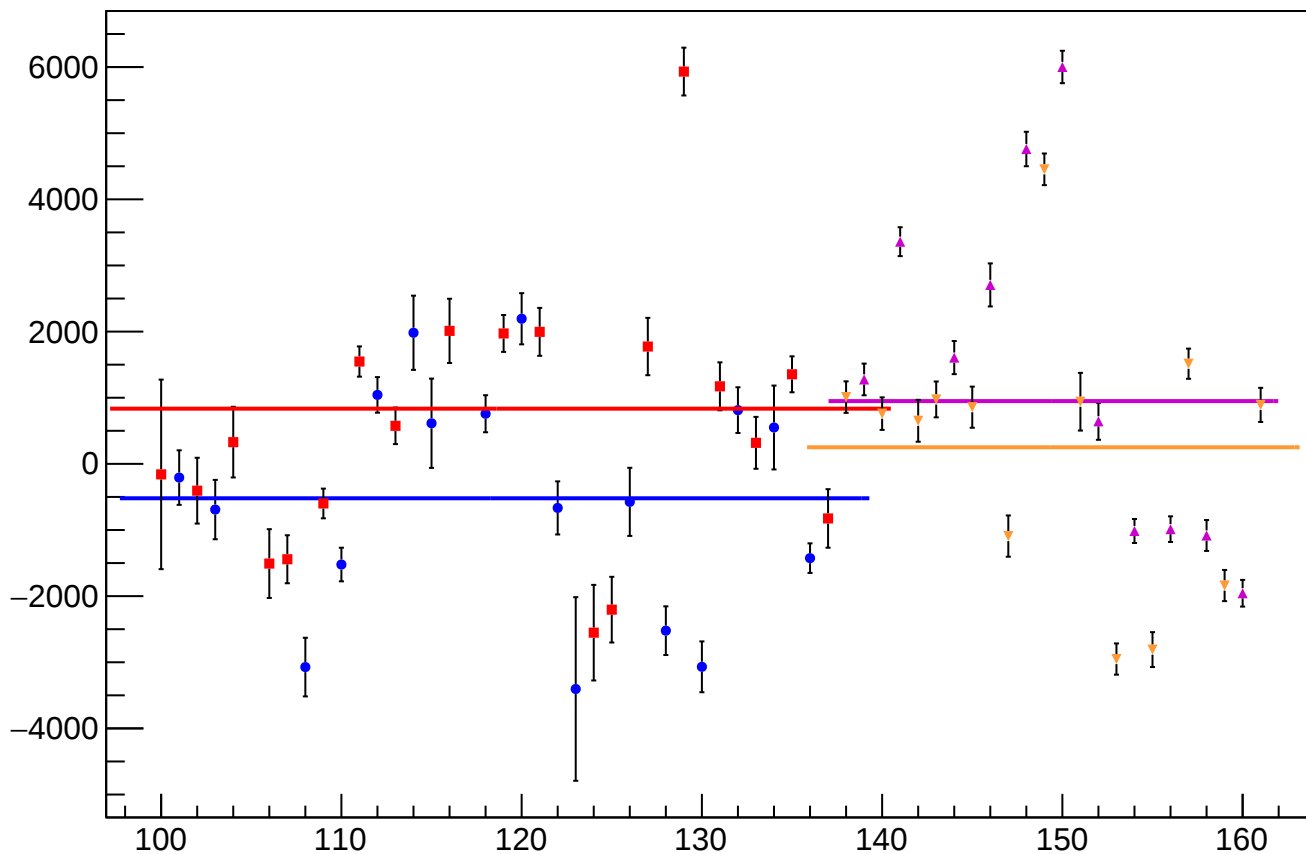
Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

Left In: 127.267+/-0.031 χ^2/NDF : 234833.3/10

123.497+/-0.022 χ^2/NDF : 1014447.0/29

122.512+/-0.022 χ^2/NDF : 977797.0/29

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 250.995 ± 73.401 χ^2/NDF : 790.3/12

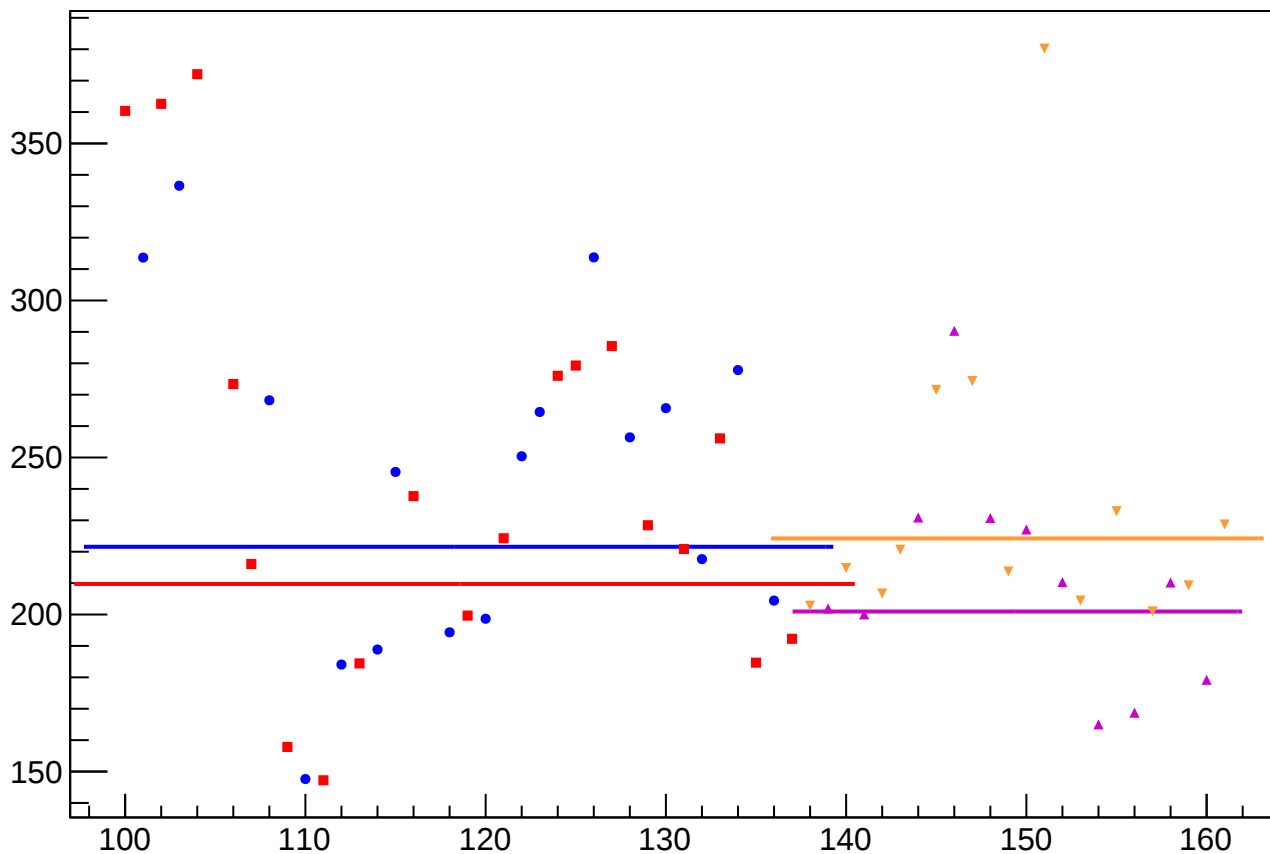
Right Out: 834.834 ± 82.273 χ^2/NDF : 434.7/18

Left In: 949.235 ± 69.373 χ^2/NDF : 1300.0/10

-60.228 ± 56.689 χ^2/NDF : 1123.0/29

901.696 ± 53.036 χ^2/NDF : 1735.9/29

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 224.239 $\pm$ 0.052 χ^2 /NDF: 428532.6/12

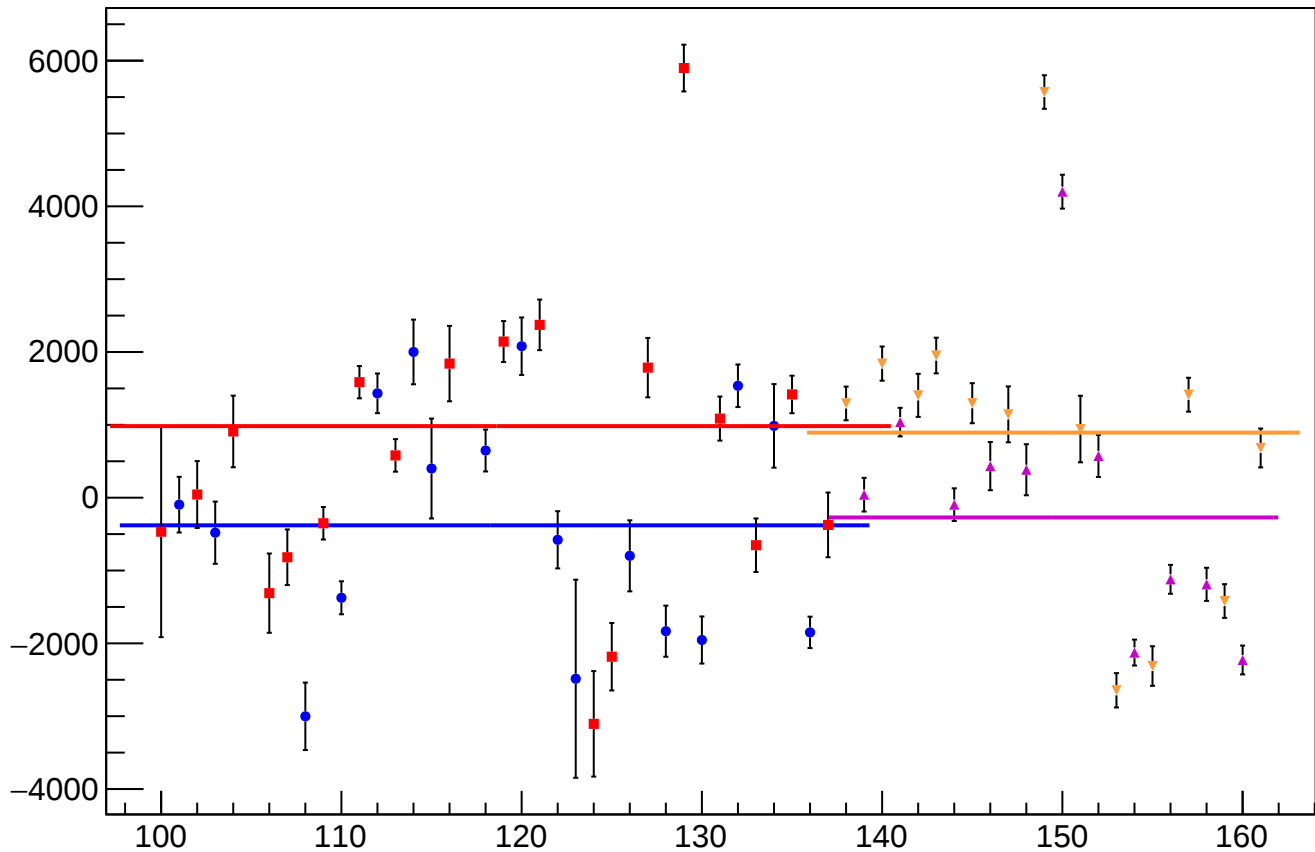
Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

Left In: 200.964 $\pm$ 0.049 χ^2 /NDF: 390743.7/10

223.162 $\pm$ 0.040 χ^2 /NDF: 1074541.2/29

204.609 $\pm$ 0.038 χ^2 /NDF: 1287954.4/29

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 893.477 ± 72.291 χ^2/NDF : 925.6/12

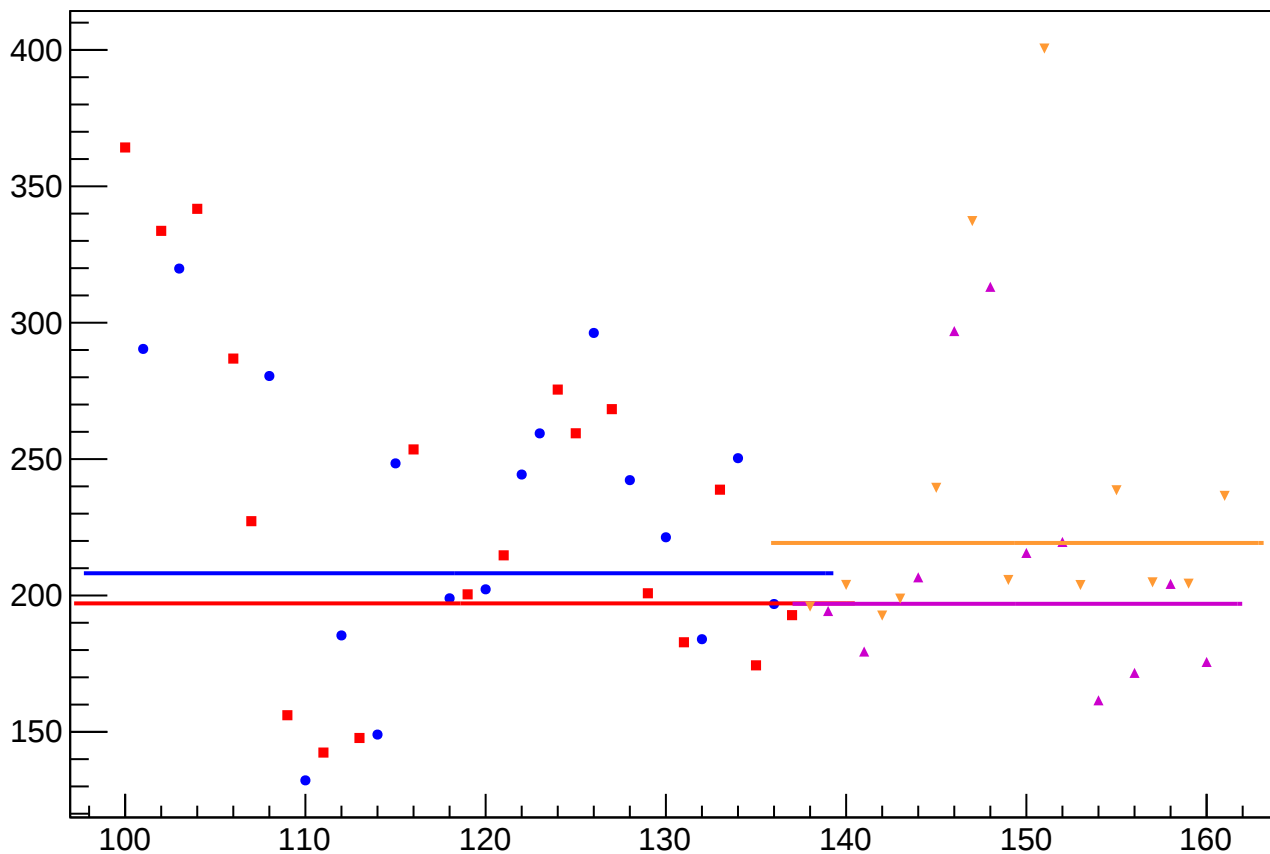
Right Out: 982.539 ± 77.724 χ^2/NDF : 476.3/18

Left In: -271.548 ± 68.328 χ^2/NDF : 674.3/10

353.684 ± 54.865 χ^2/NDF : 1374.3/29

275.143 ± 51.317 χ^2/NDF : 1297.4/29

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 219.261+/-0.051 χ^2/NDF : 623545.0/12

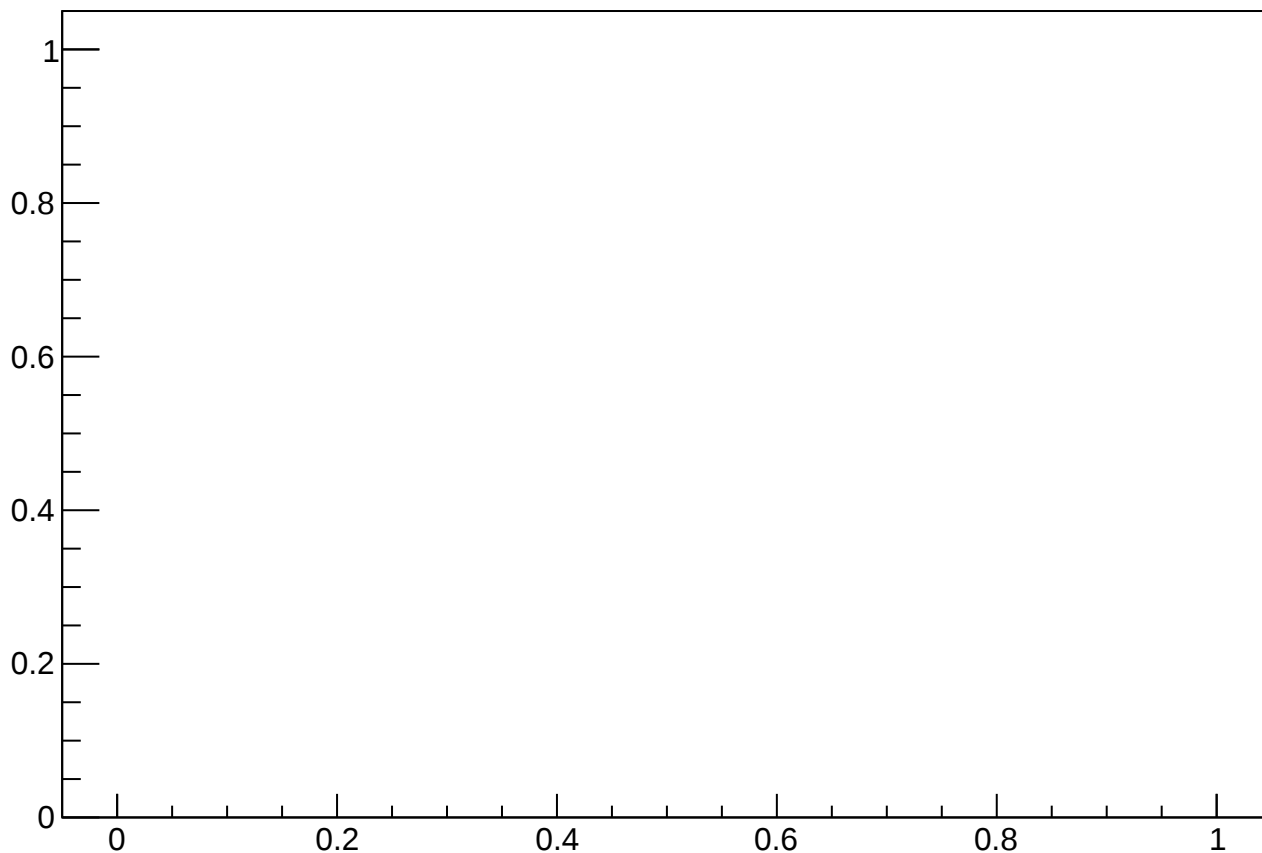
Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

Left In: 196.951+/-0.048 χ^2/NDF : 584470.7/10

214.551+/-0.039 χ^2/NDF : 1342659.5/29

197.017+/-0.036 χ^2/NDF : 1510942.4/29

bcm_an_us_ds_dd_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

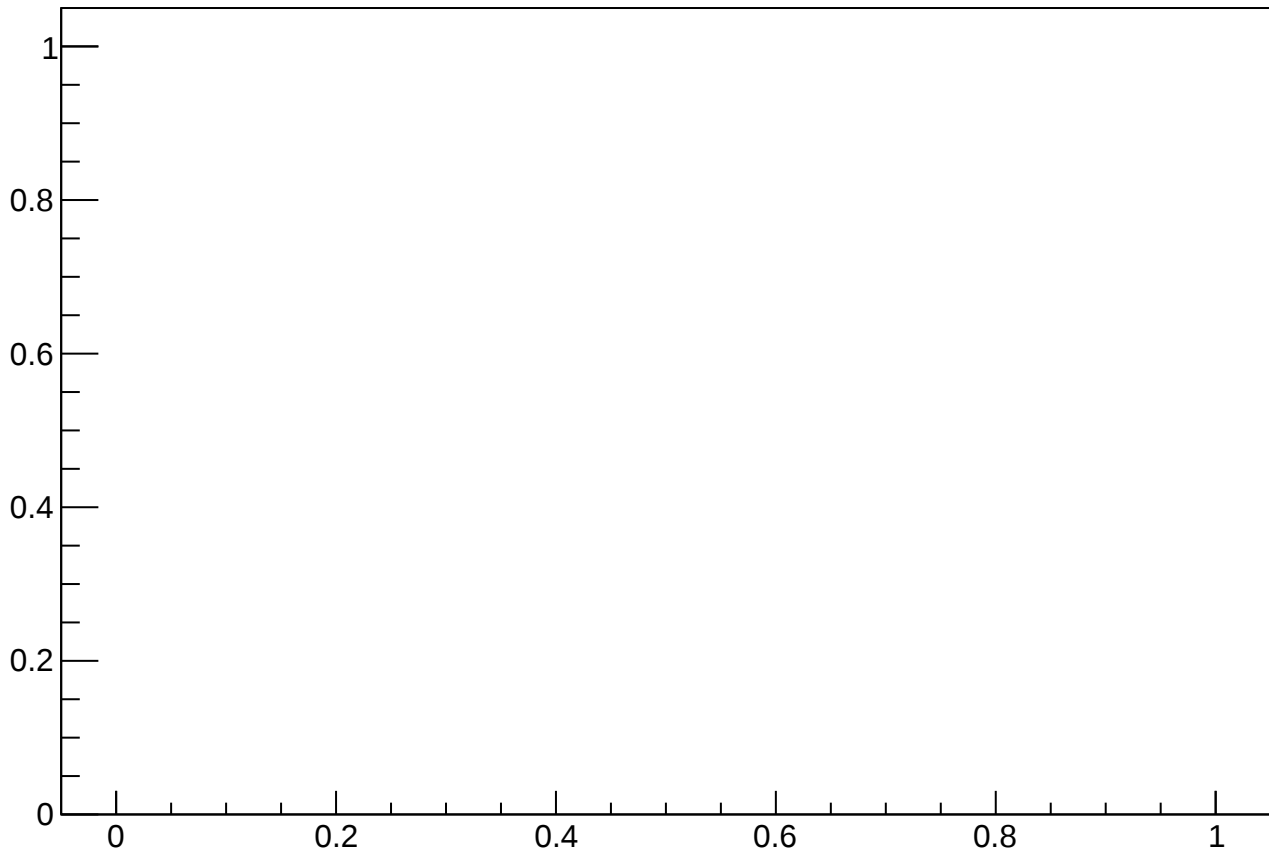
Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 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

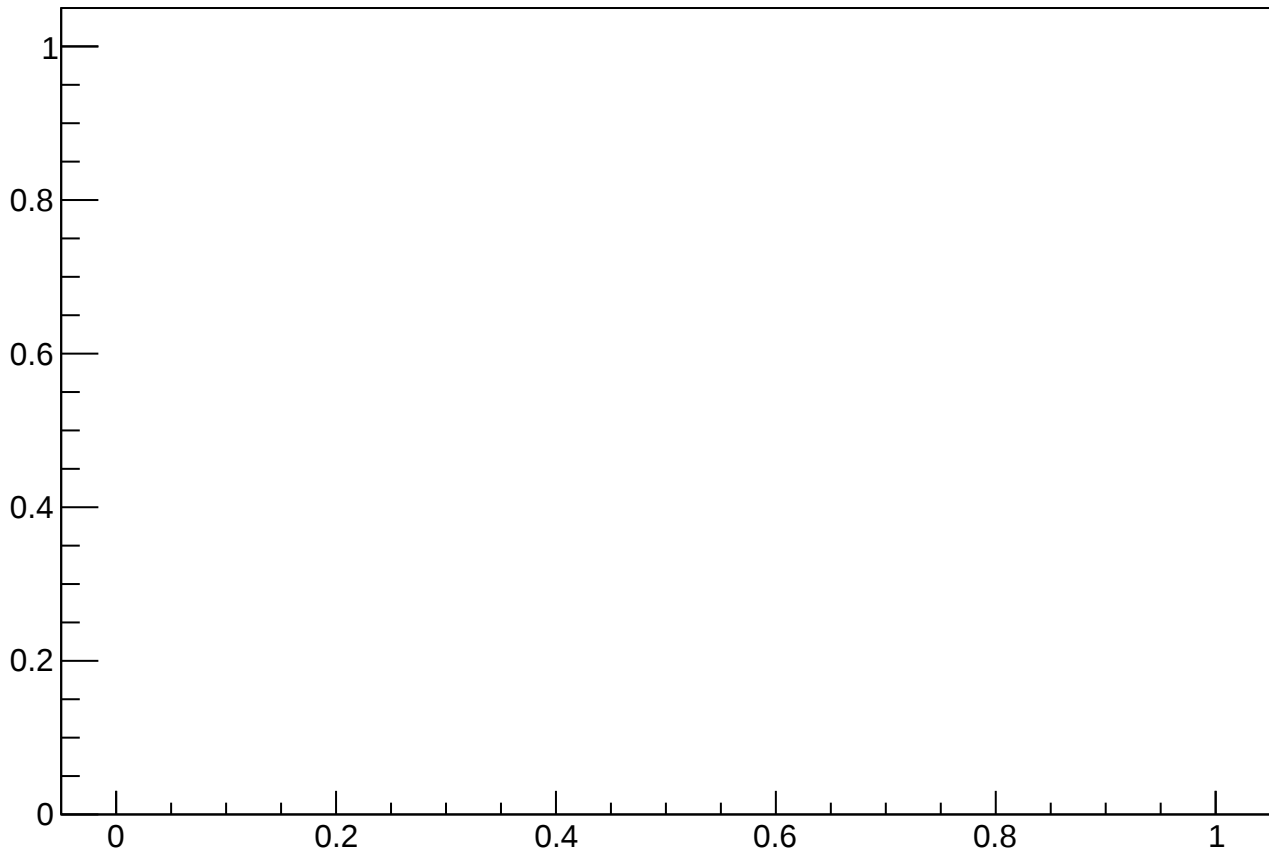
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

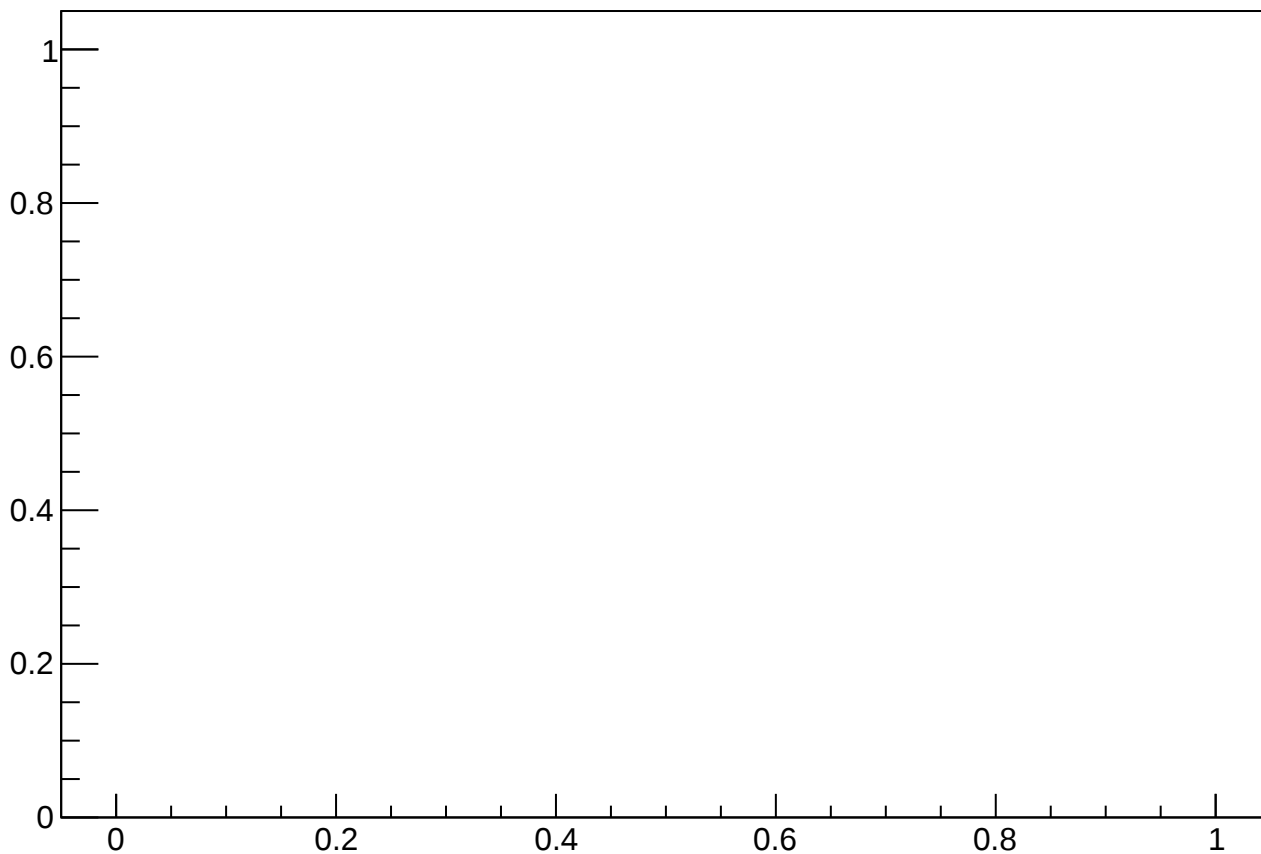
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

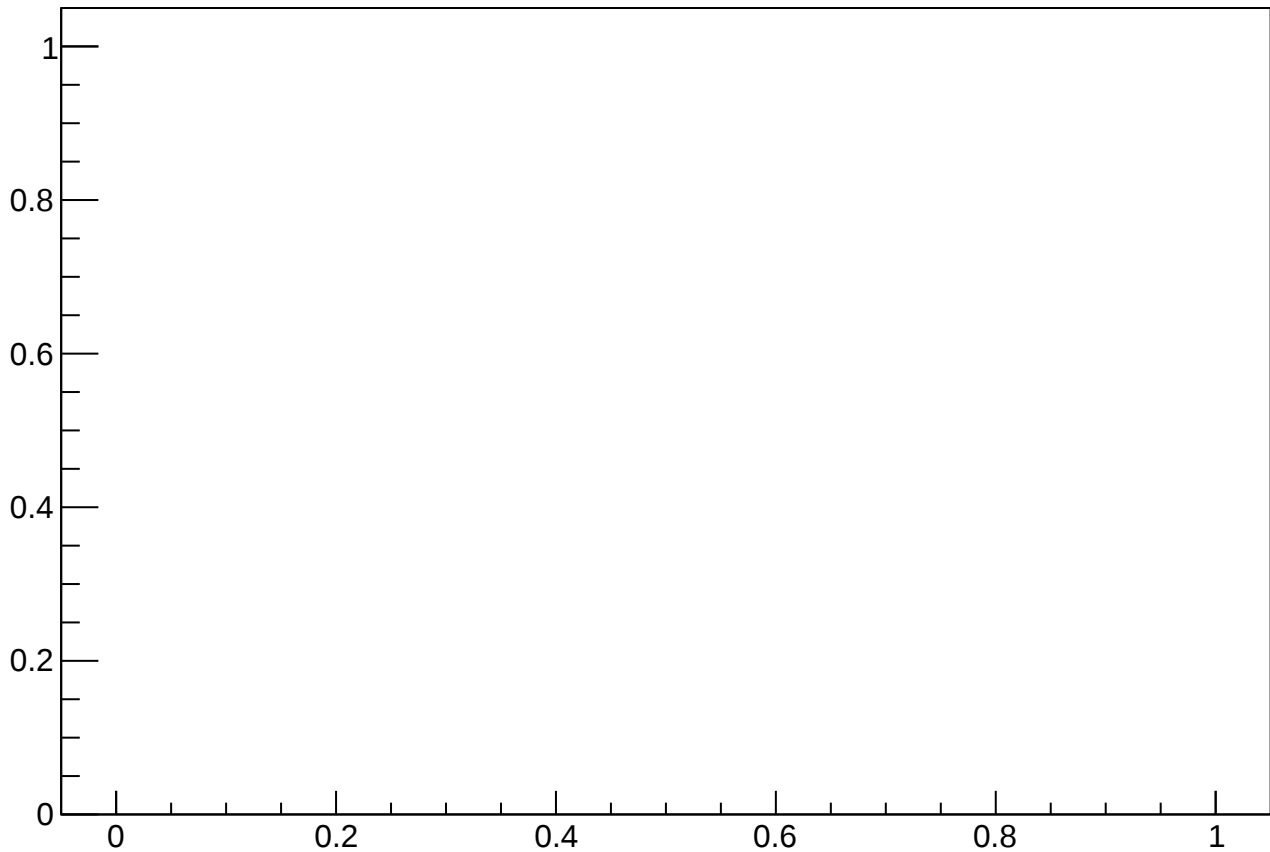
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

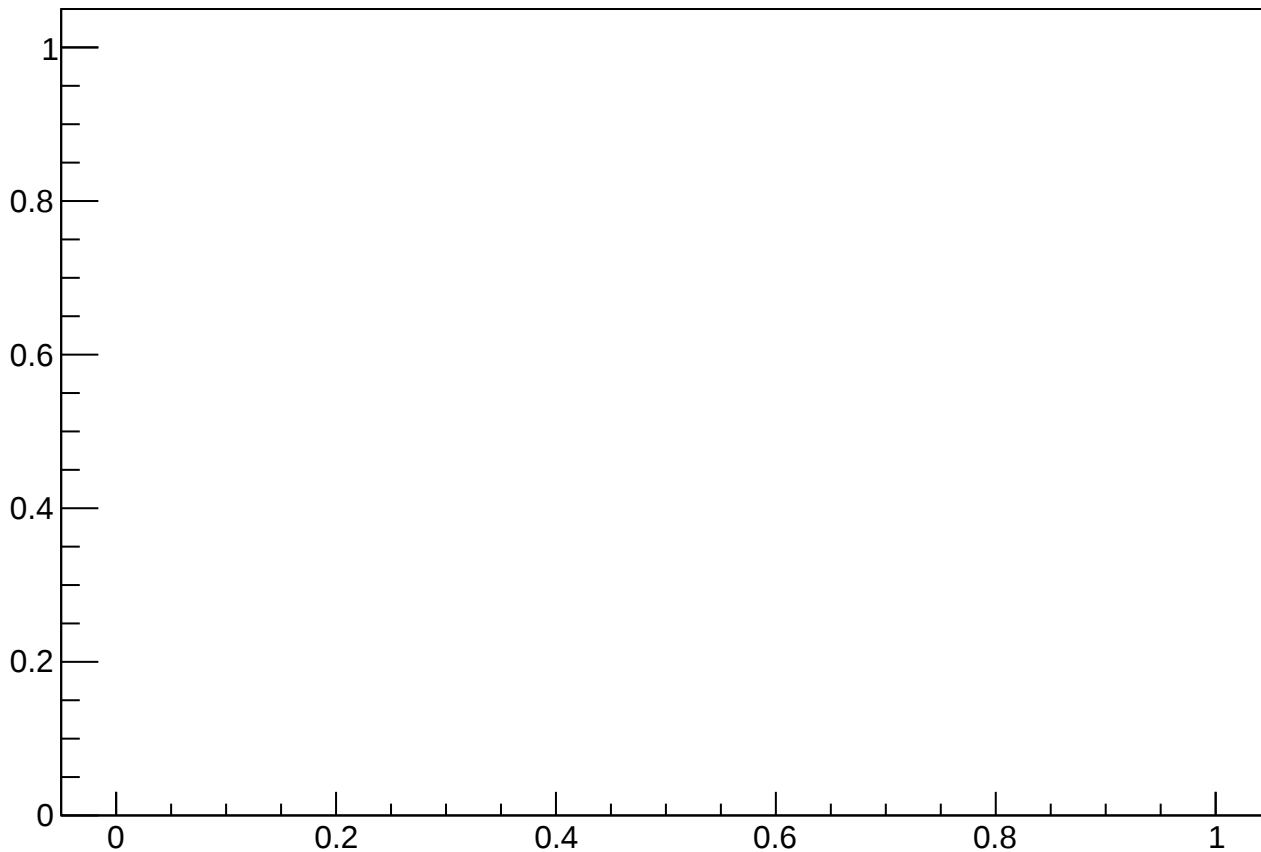
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

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

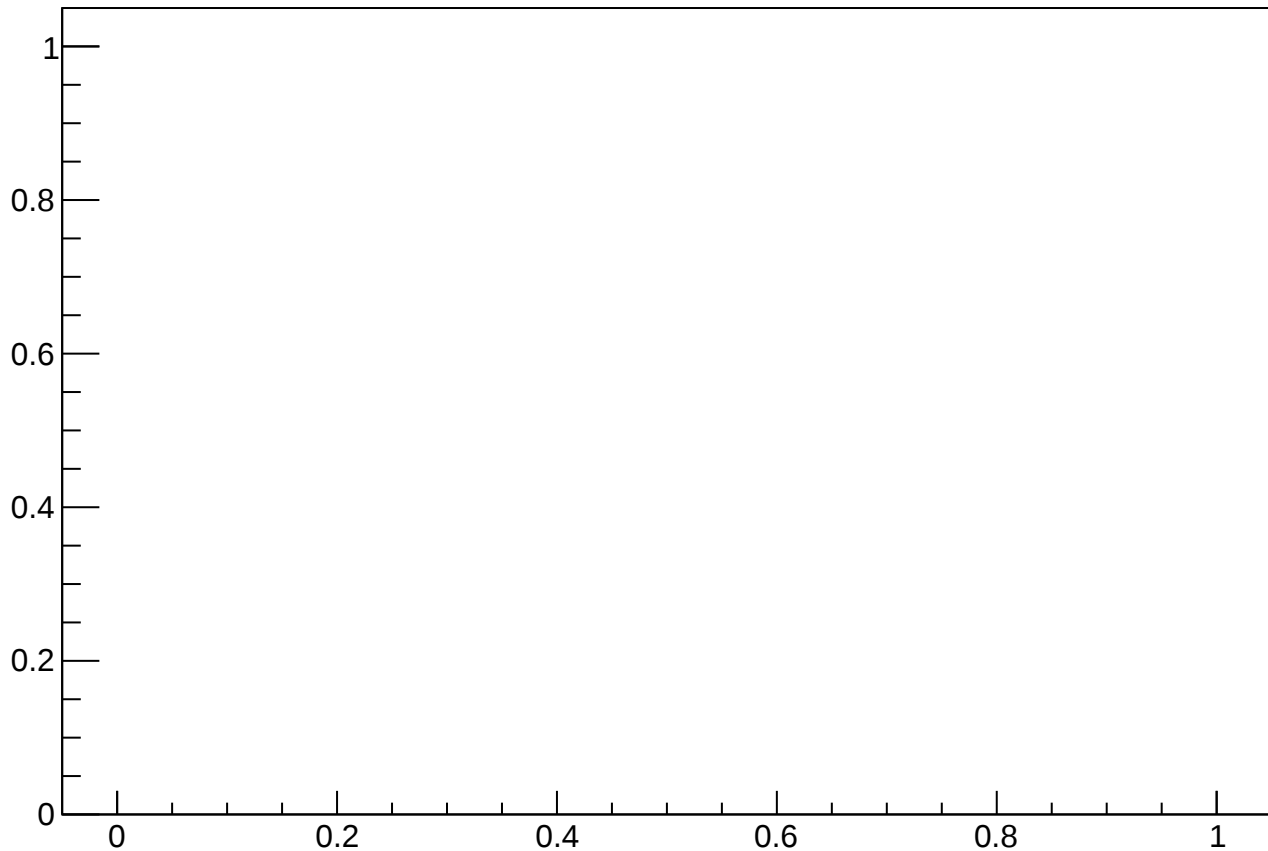
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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_mean vs Slug



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

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

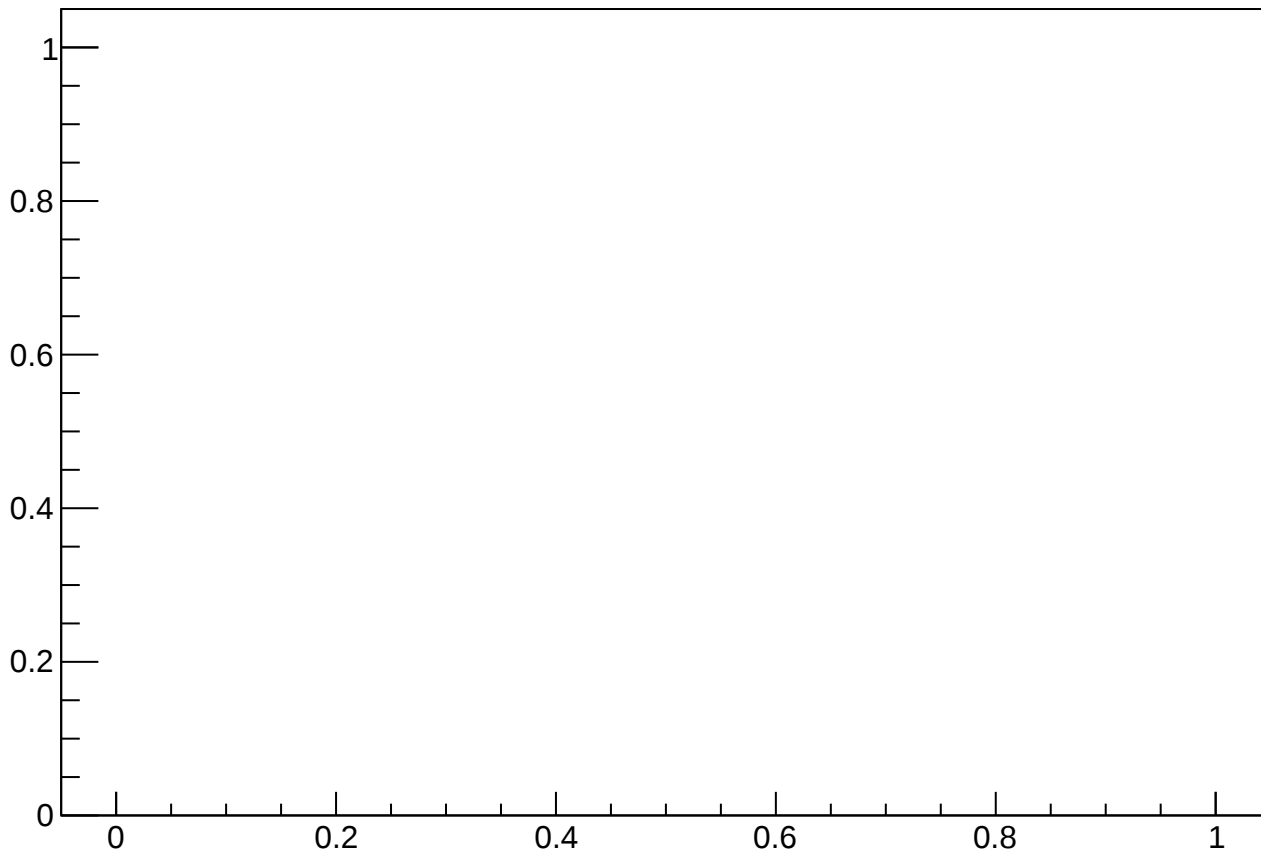
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



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

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

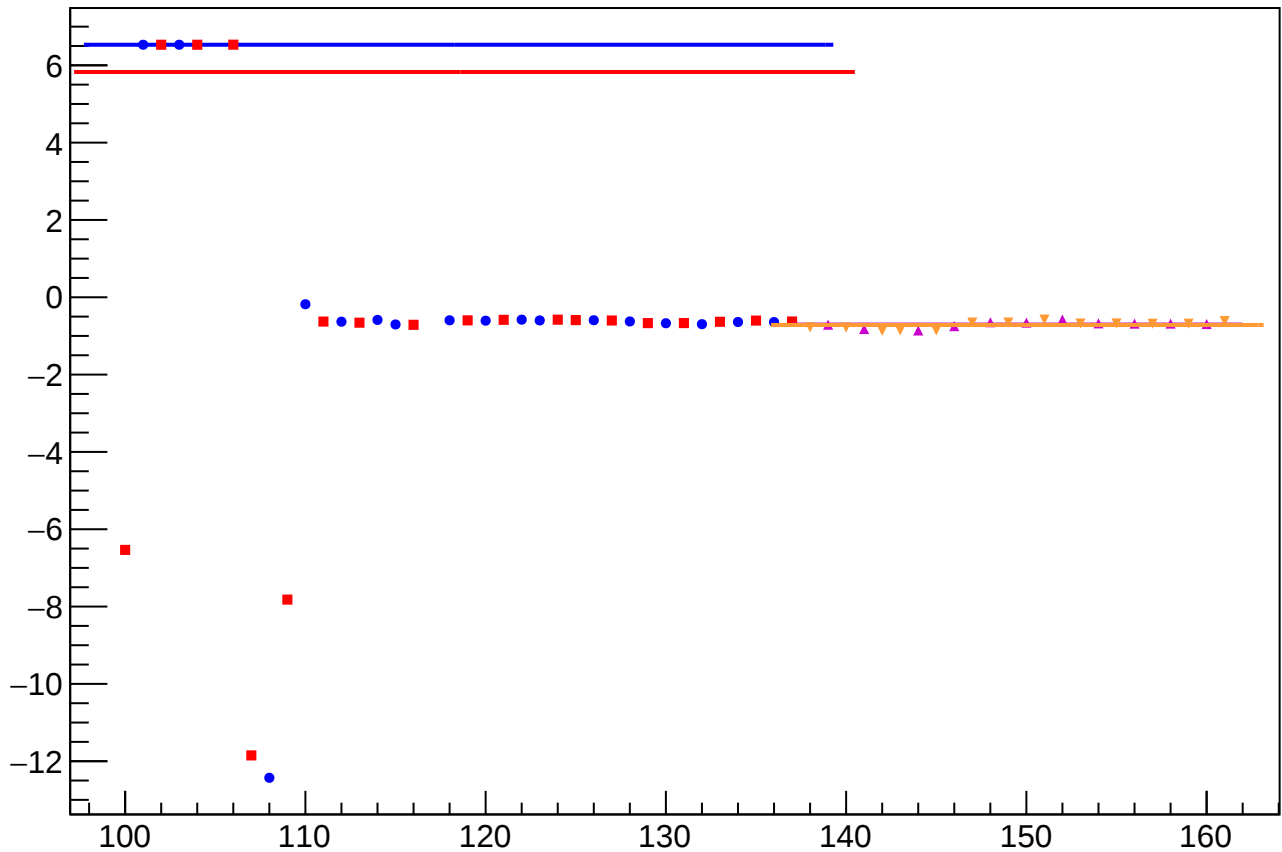
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

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: -0.716 $\pm$ 0.000 χ^2 /NDF: 83243006.1/12

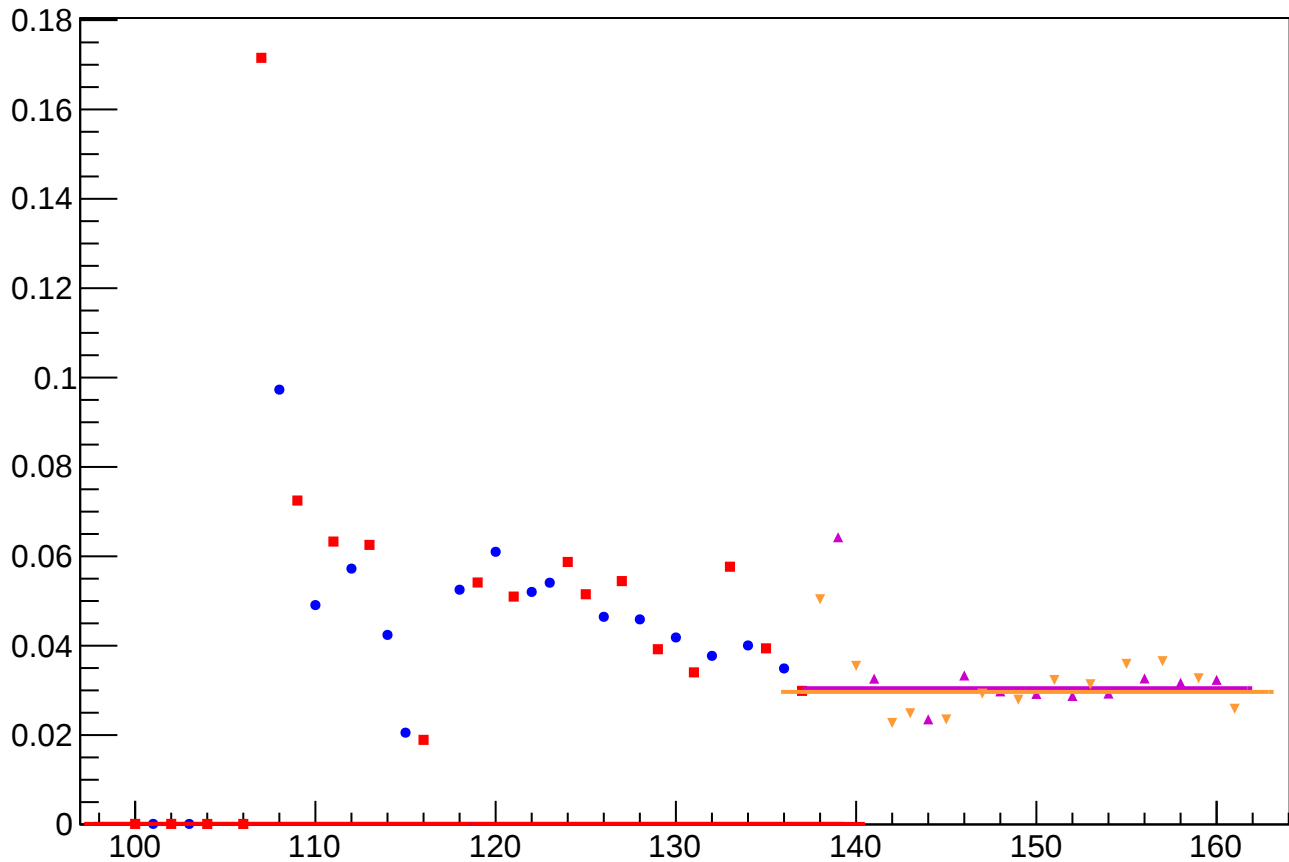
Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755963218053643.4/18

Left In: -0.706 $\pm$ 0.000 χ^2 /NDF: 54750716.8/10

6.531 $\pm$ 0.000 χ^2 /NDF: 582737445266.4/29

5.827 $\pm$ 0.000 χ^2 /NDF: 756289828930906.9/29

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.030+/-0.000 χ^2/NDF : 548336.8/12

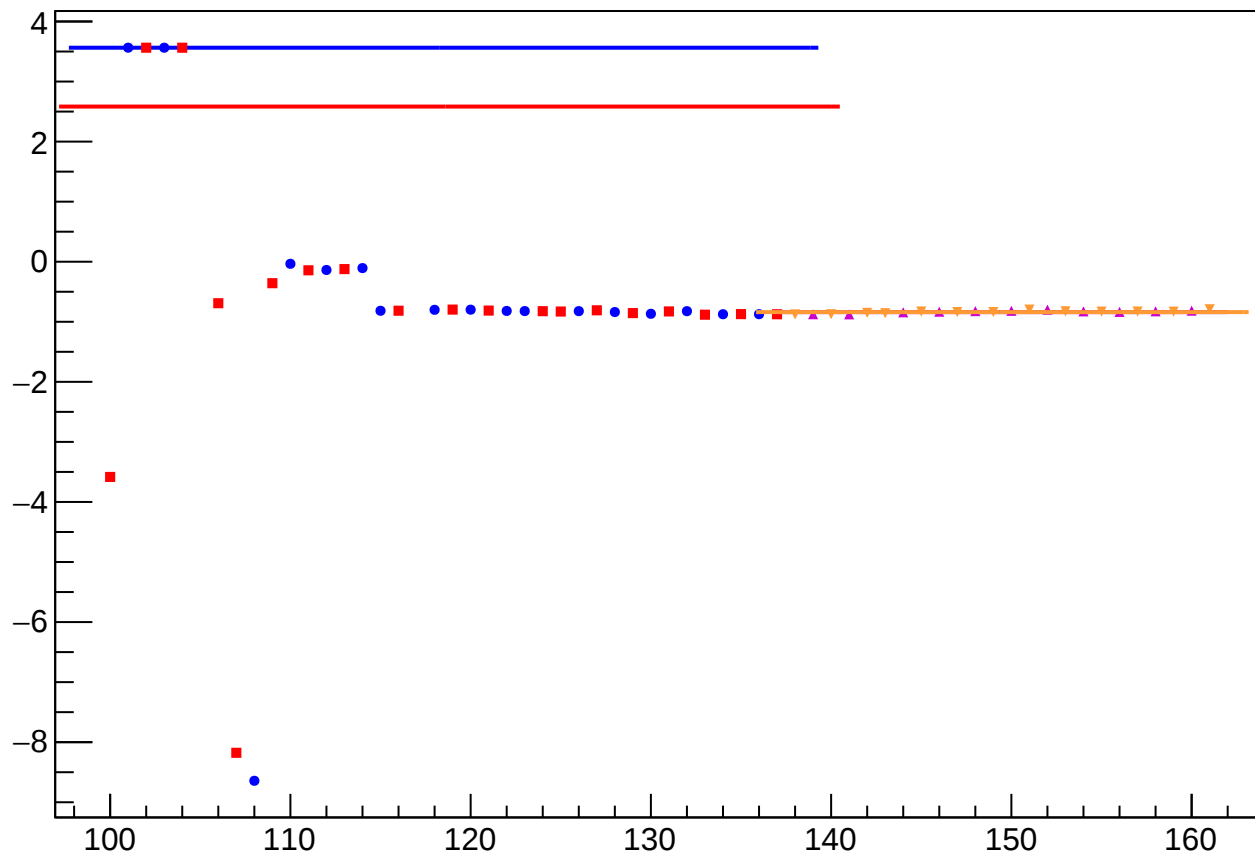
0.000+/-0.000 χ^2/NDF : 24562143.8/29

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

0.000+/-0.000 χ^2/NDF : 23989566.6/29

Left In: 0.030+/-0.000 χ^2/NDF : 534201.4/10

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.839+/-0.000 χ^2/NDF : 64897758.4/12

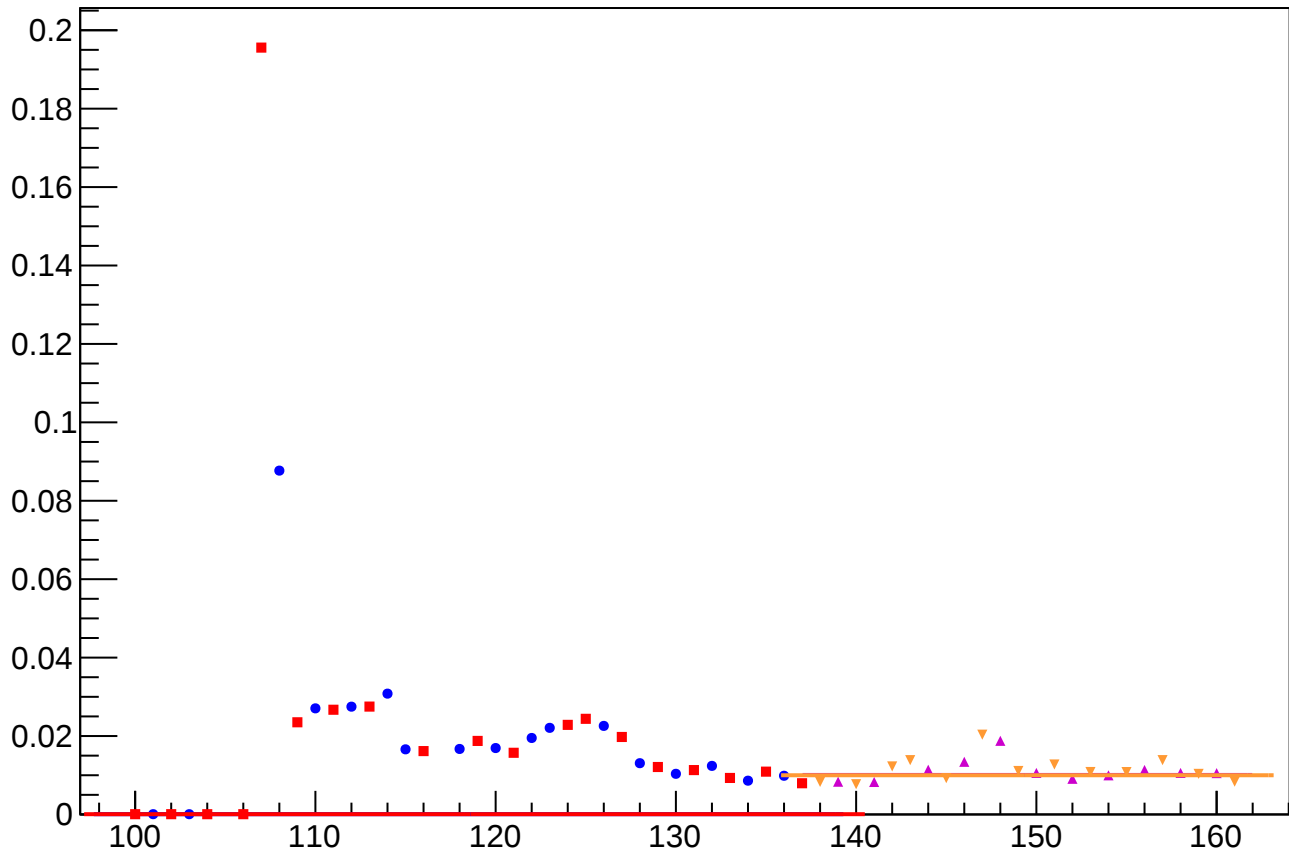
Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

Left In: -0.839+/-0.000 χ^2/NDF : 51785361.7/10

3.562+/-0.000 χ^2/NDF : 1902278457095.2/29

2.583+/-0.000 χ^2/NDF : 1254284090132128.2/29

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010+/-0.000 χ^2/NDF :868018.3/12

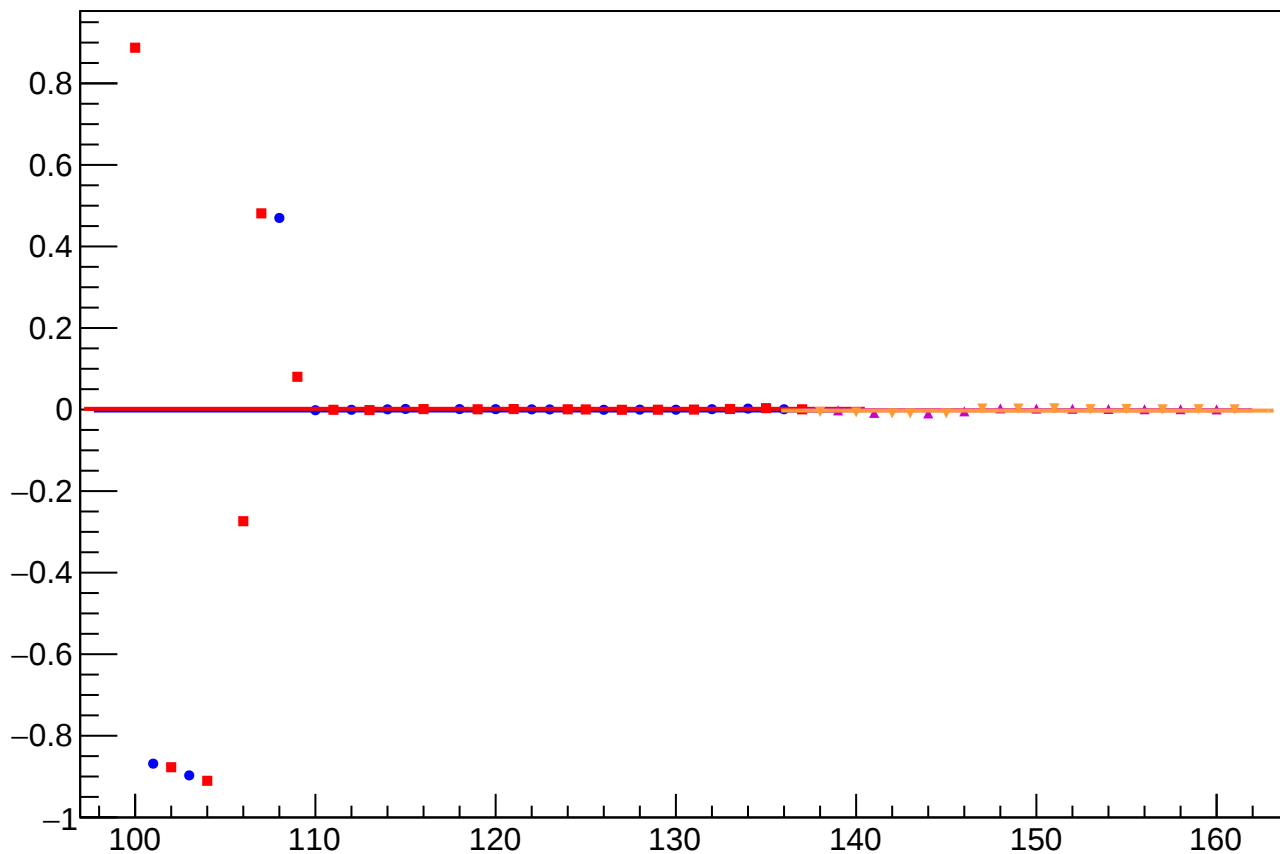
Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

Left In: 0.010+/-0.000 χ^2/NDF :556406.6/10

0.000+/-0.000 χ^2/NDF : 25048031.9/29

0.000+/-0.000 χ^2/NDF : 23792955.7/29

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.002+/-0.000 χ^2/NDF : 81859088.3/12

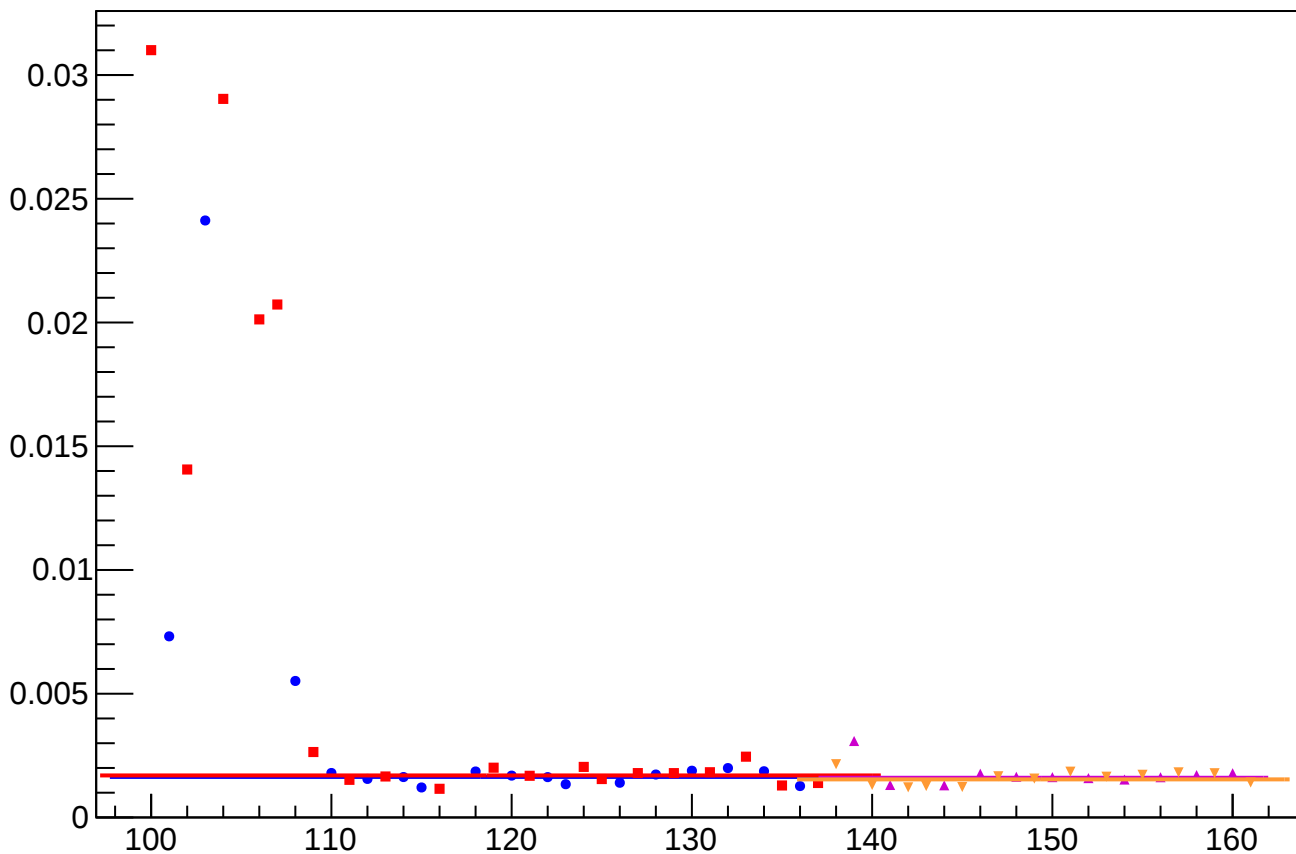
Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

Left In: -0.002+/-0.000 χ^2/NDF : 58230076.9/10

-0.002+/-0.000 χ^2/NDF : 9876743203.6/29

-0.000+/-0.000 χ^2/NDF : 3111382186.9/29

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.002+/-0.000 χ^2/NDF : 414197.3/12

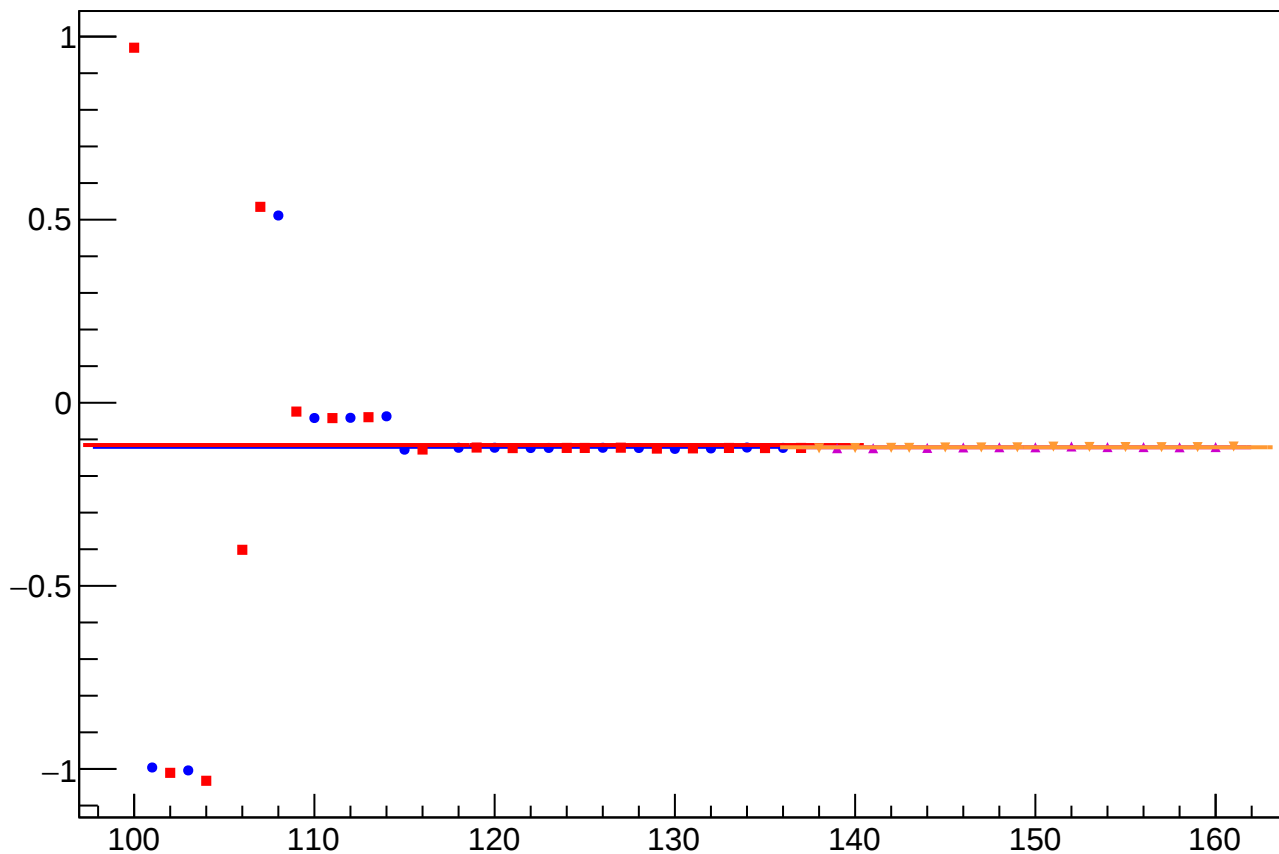
Right Out: 0.002+/-0.000 χ^2/NDF : 3023899.0/18

Left In: 0.002+/-0.000 χ^2/NDF : 494704.5/10

0.002+/-0.000 χ^2/NDF : 2352243.3/29

0.002+/-0.000 χ^2/NDF : 3536207.6/29

yield_cav4cY_mean vs Slug



Right In: -0.120 ± 0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.122 ± 0.000 χ^2/NDF : 14173838.8/12

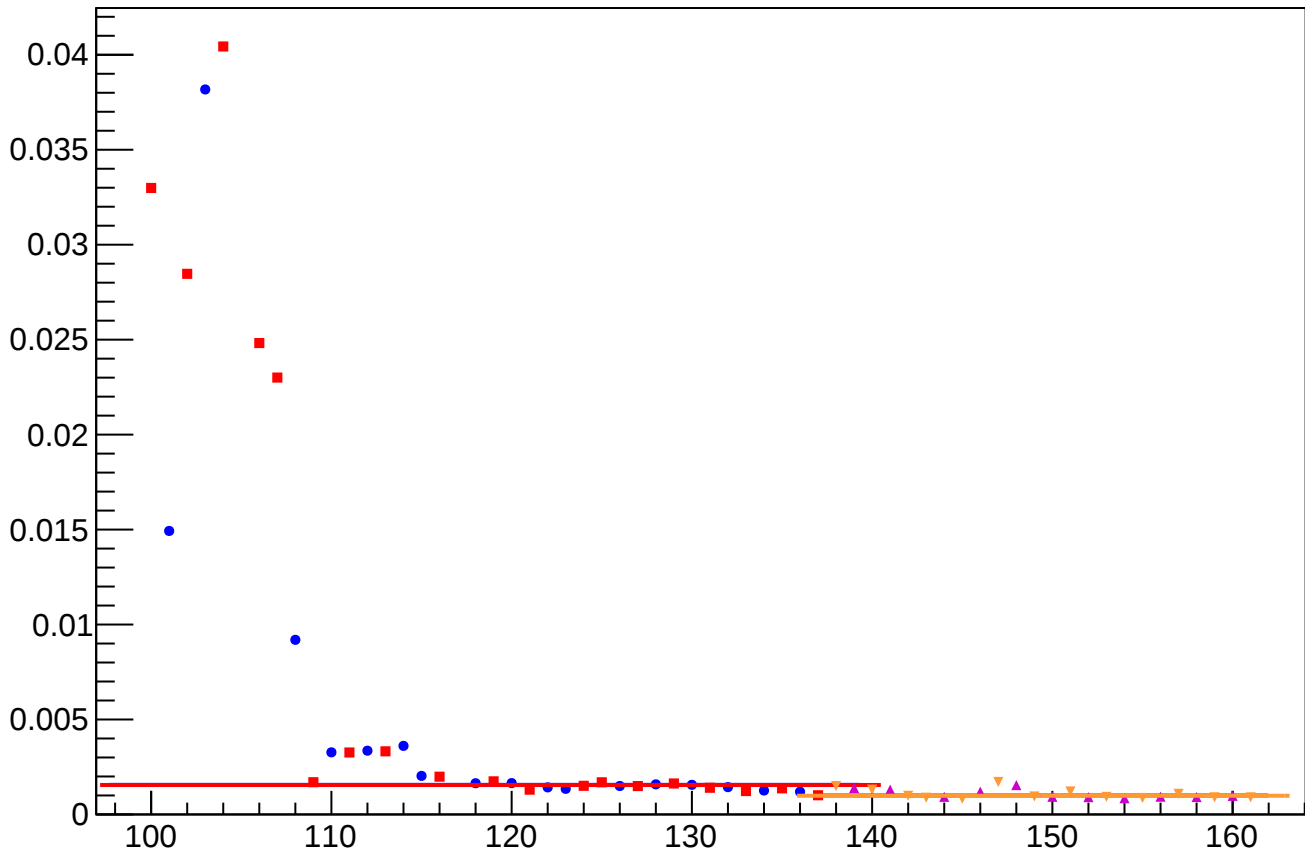
-0.121 ± 0.000 χ^2/NDF : 3948565086.9/29

Right Out: -0.115 ± 0.000 χ^2/NDF : 2456843337.8/18

-0.120 ± 0.000 χ^2/NDF : 2527424966.9/29

Left In: -0.122 ± 0.000 χ^2/NDF : 13147452.8/10

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 : 697830.9/12

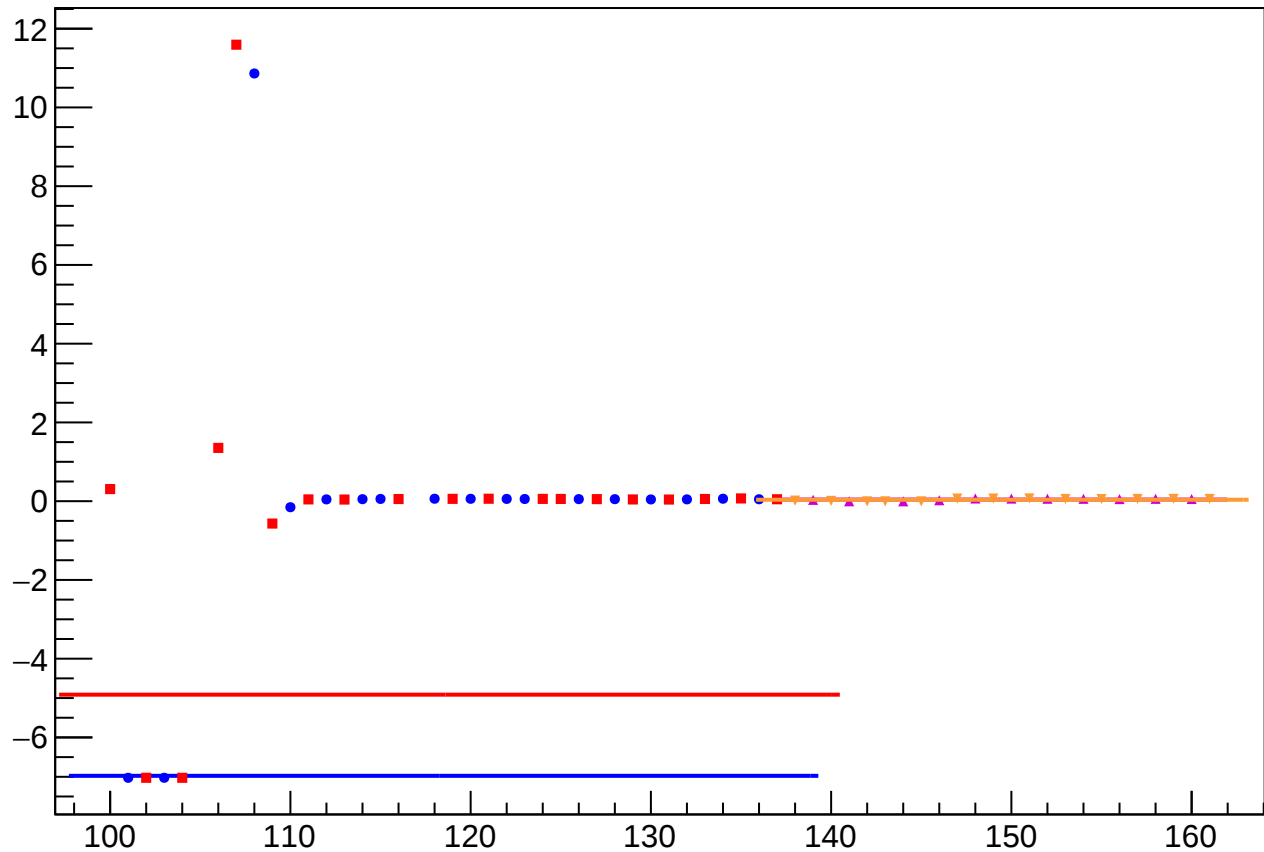
0.001+/-0.000 χ^2/NDF : 4614887.0/29

Right Out: 0.002+/-0.000 χ^2/NDF : 3539455.6/18

0.001+/-0.000 χ^2/NDF : 4994267.3/29

Left In: 0.001+/-0.000 χ^2/NDF : 515266.2/10

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.036+/-0.000 χ^2/NDF : 82854358.1/12

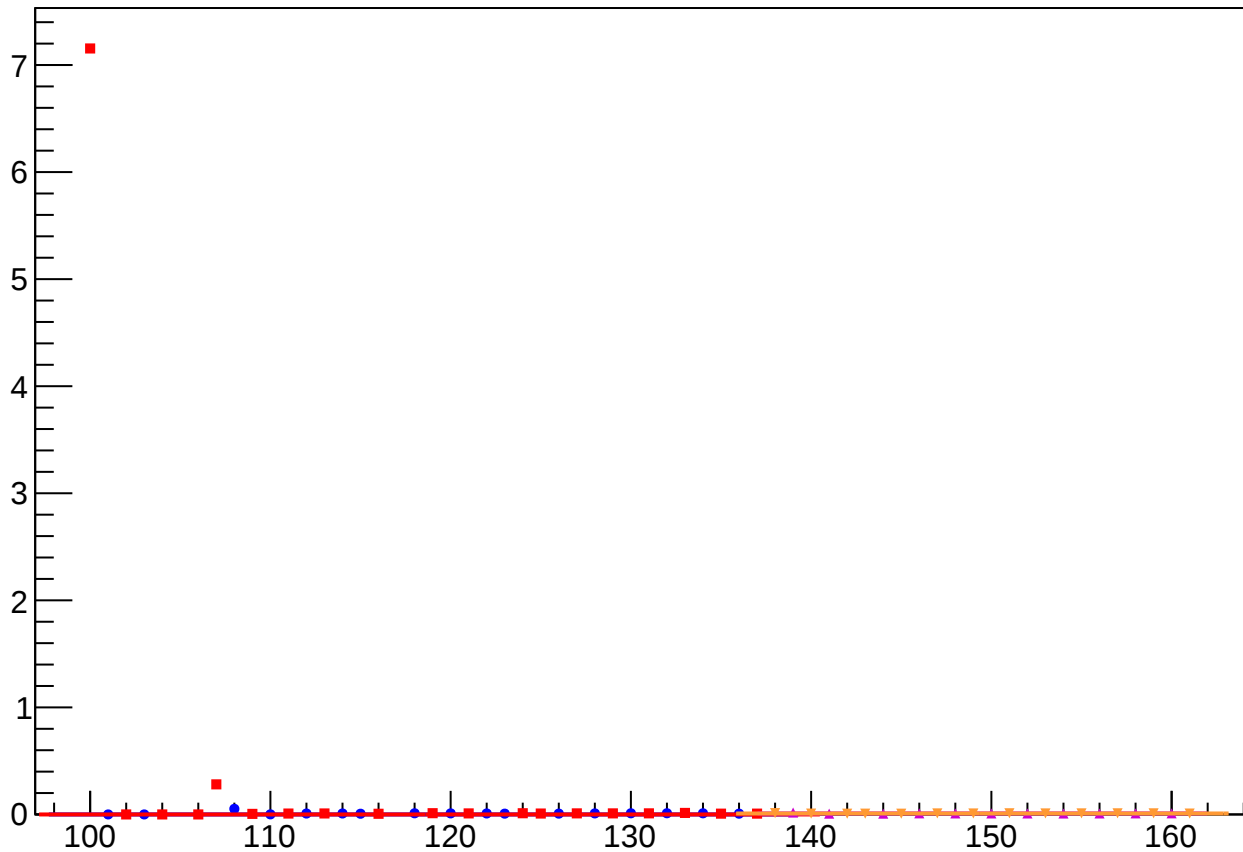
Right Out: -4.914+/-0.000 χ^2/NDF : 365358092730279.9/18

Left In: 0.041+/-0.000 χ^2/NDF : 64133554.3/10

-6.950+/-0.000 χ^2/NDF : 13270734935452.6/29

-4.899+/-0.000 χ^2/NDF : 367332480506133.6/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 408073.7/12

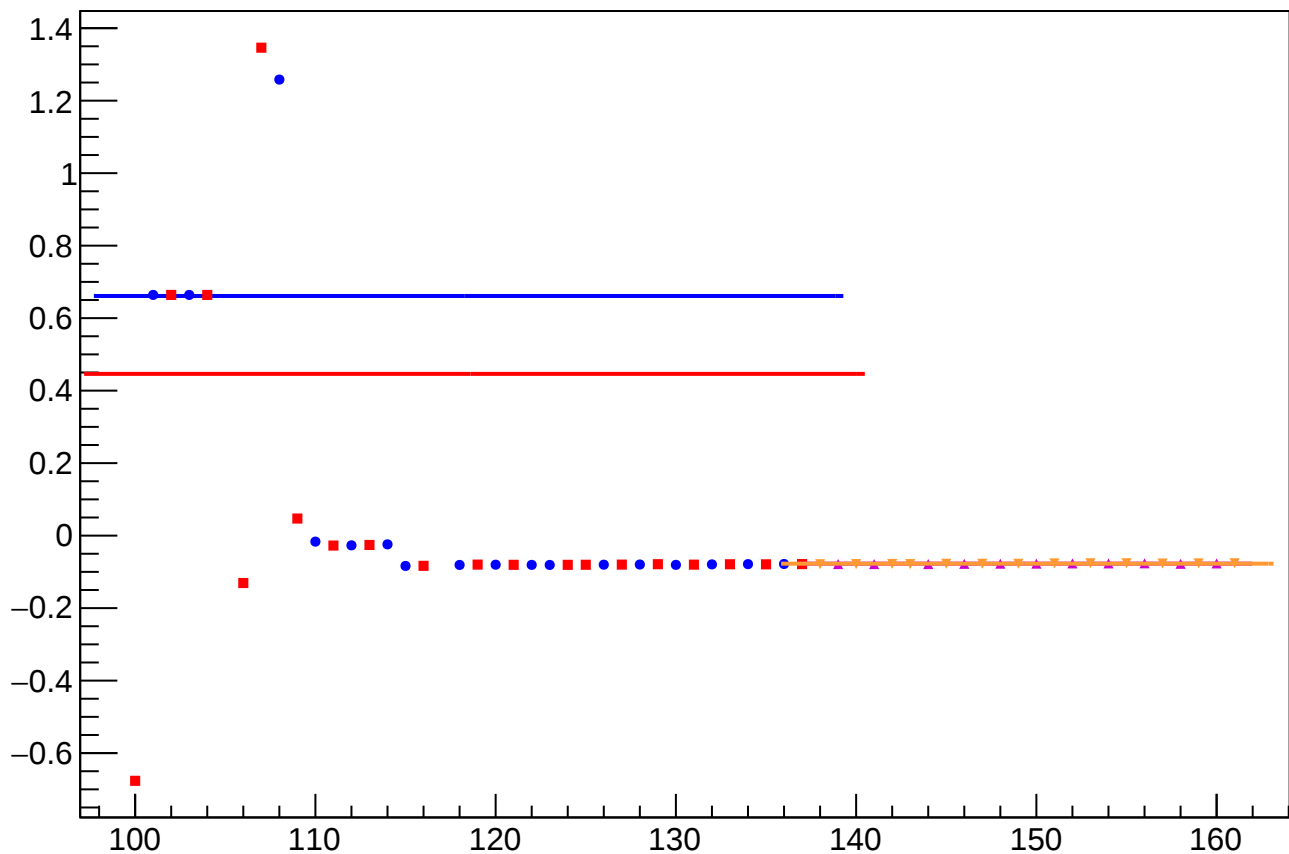
Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

Left In: 0.009+/-0.000 χ^2/NDF : 497425.3/10

0.000+/-0.000 χ^2/NDF : 23196985.8/29

0.000+/-0.000 χ^2/NDF : 22924010.7/29

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.077+/-0.000 χ^2/NDF : 23964148.7/12

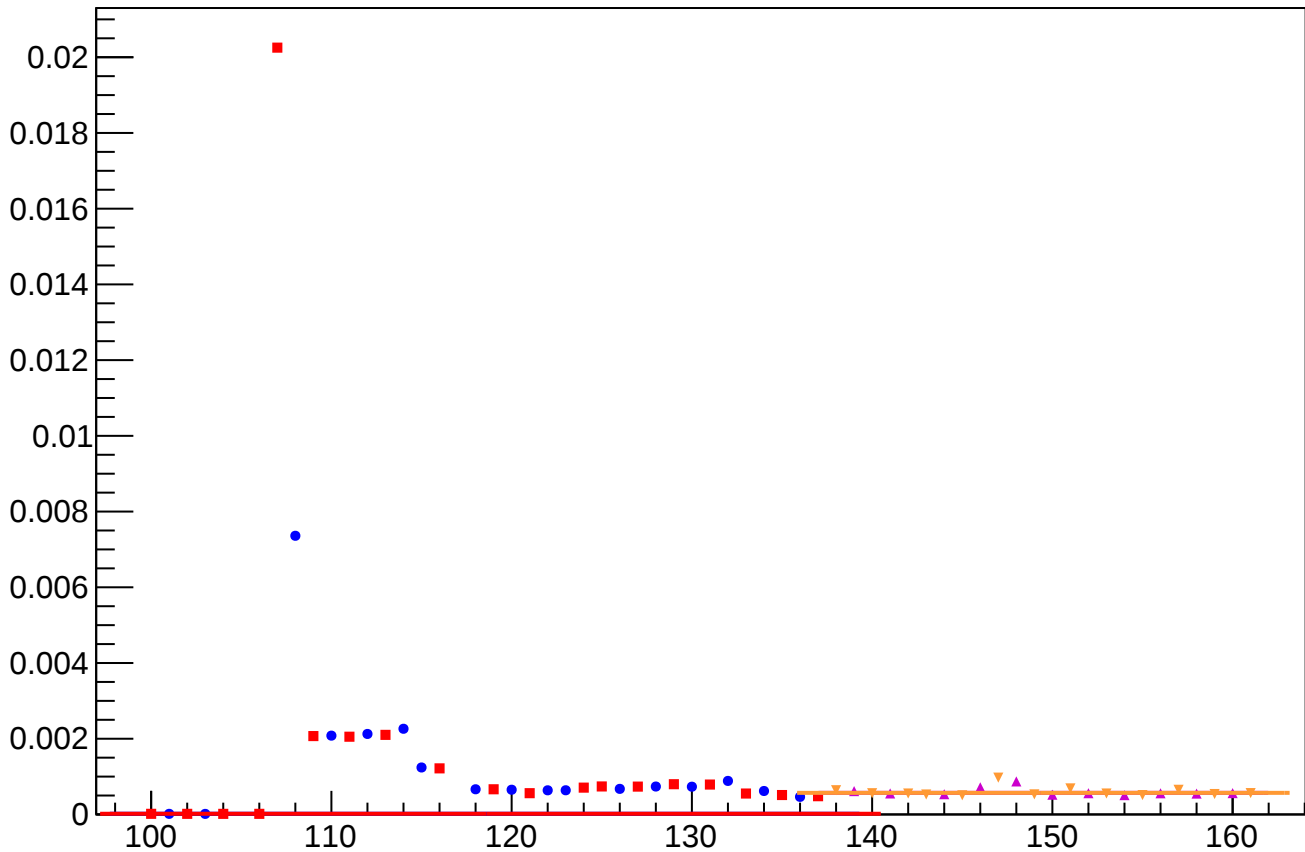
Right Out: 0.446+/-0.000 χ^2/NDF : 405416924315199.0/18

Left In: -0.077+/-0.000 χ^2/NDF : 16545038.0/10

0.653+/-0.000 χ^2/NDF : 20771046507947.2/29

0.441+/-0.000 χ^2/NDF : 412556925779067.2/29

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 : 407002.5/12

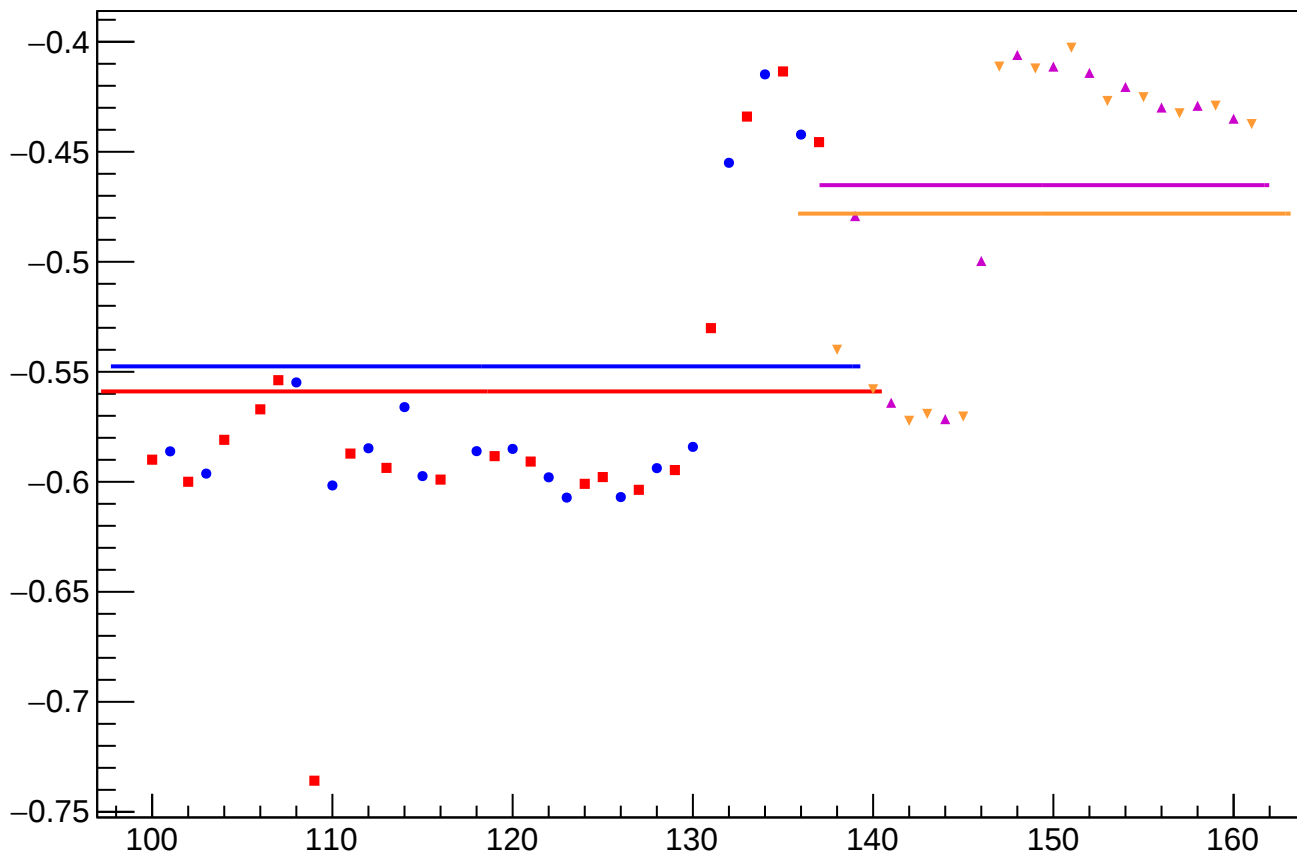
Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

Left In: 0.001+/-0.000 χ^2/NDF : 304077.9/10

0.000+/-0.000 χ^2/NDF : 27239935.9/29

0.000+/-0.000 χ^2/NDF : 25653248.5/29

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.478+/-0.000 χ^2/NDF : 91927769.6/12

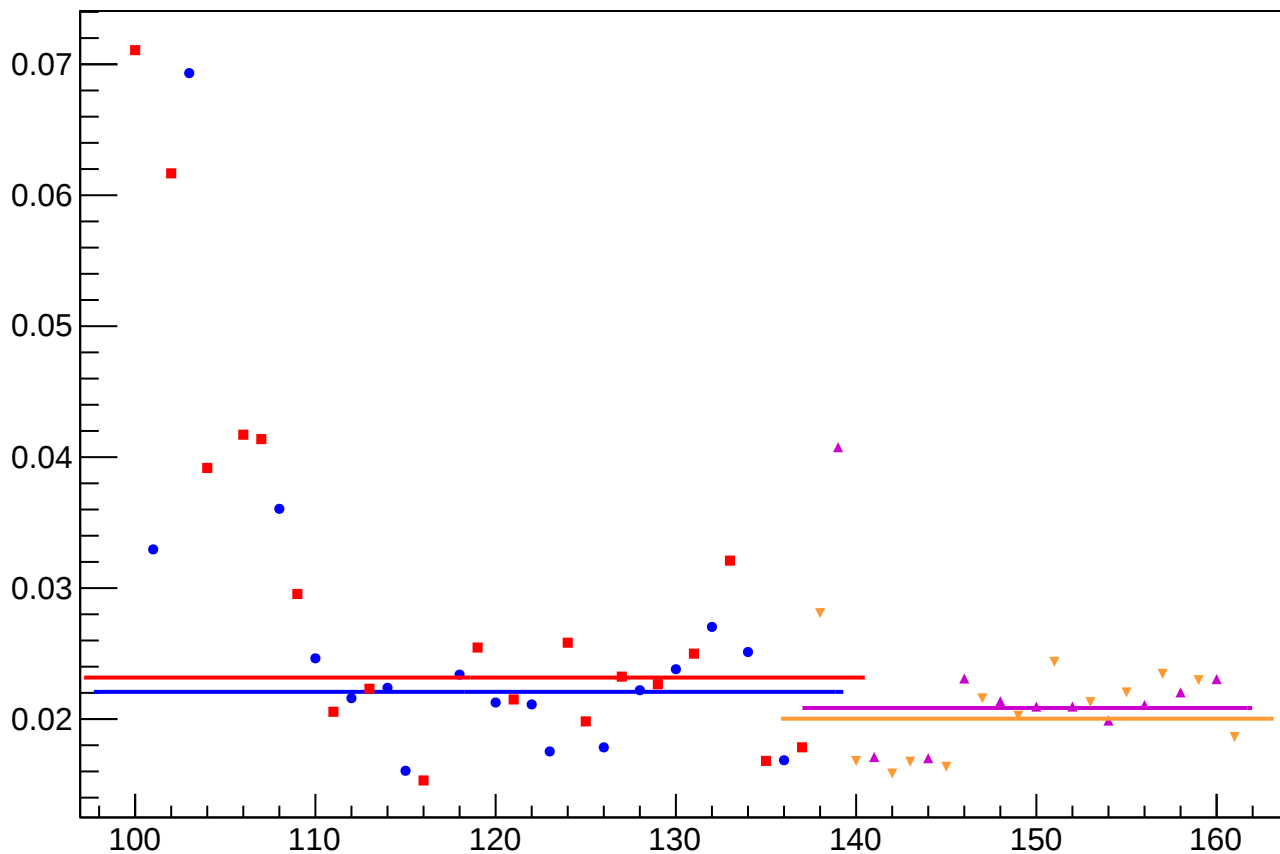
Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

Left In: -0.465+/-0.000 χ^2/NDF : 67326477.7/10

-0.503+/-0.000 χ^2/NDF : 172684779.1/29

-0.501+/-0.000 χ^2/NDF : 186868101.6/29

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020 ± 0.000 χ^2/NDF : 390050.5/12

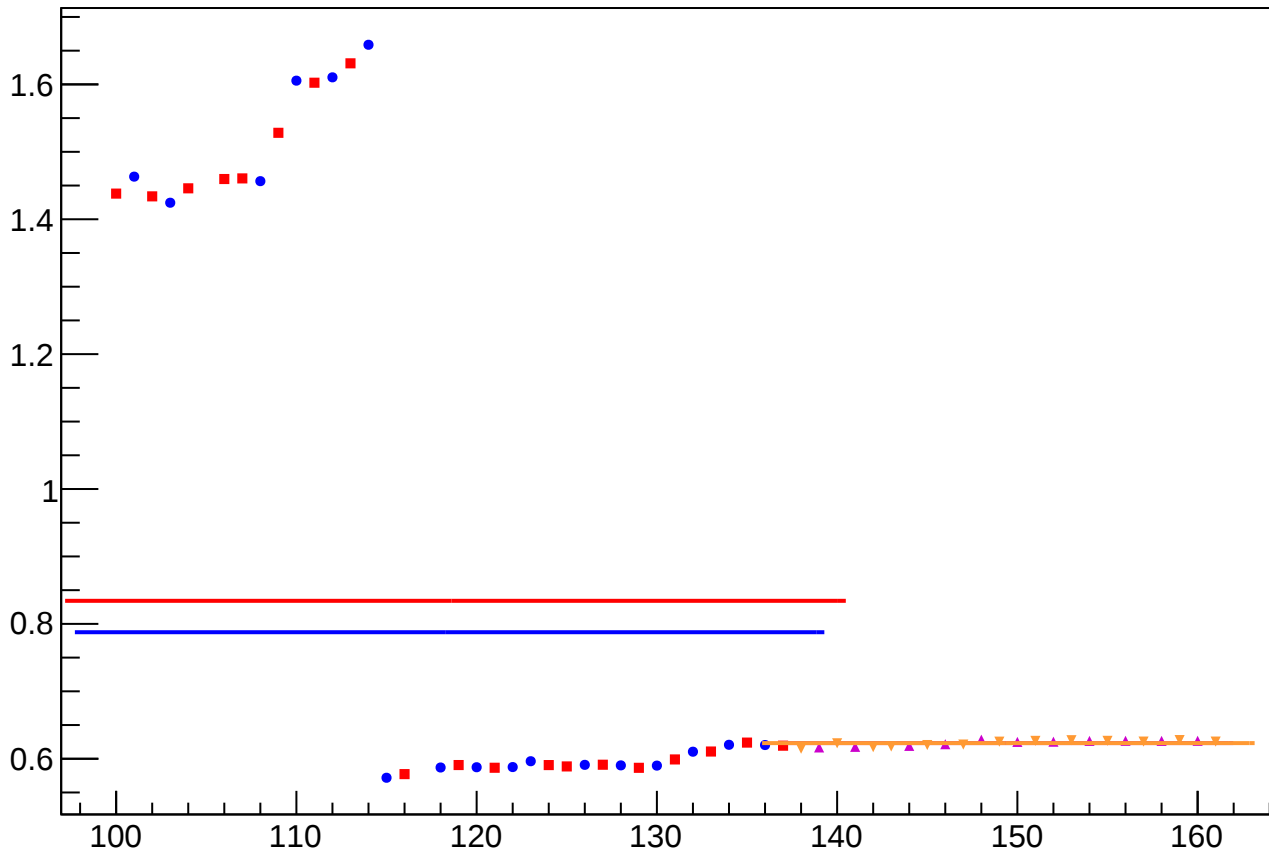
Right Out: 0.023 ± 0.000 χ^2/NDF : 1156758.3/18

Left In: 0.021 ± 0.000 χ^2/NDF : 496064.8/10

0.021 ± 0.000 χ^2/NDF : 1400883.2/29

0.022 ± 0.000 χ^2/NDF : 1719303.5/29

yield_bpm4aY_mean vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.623 $\pm$ 0.000 χ^2 /NDF:986855.6/12

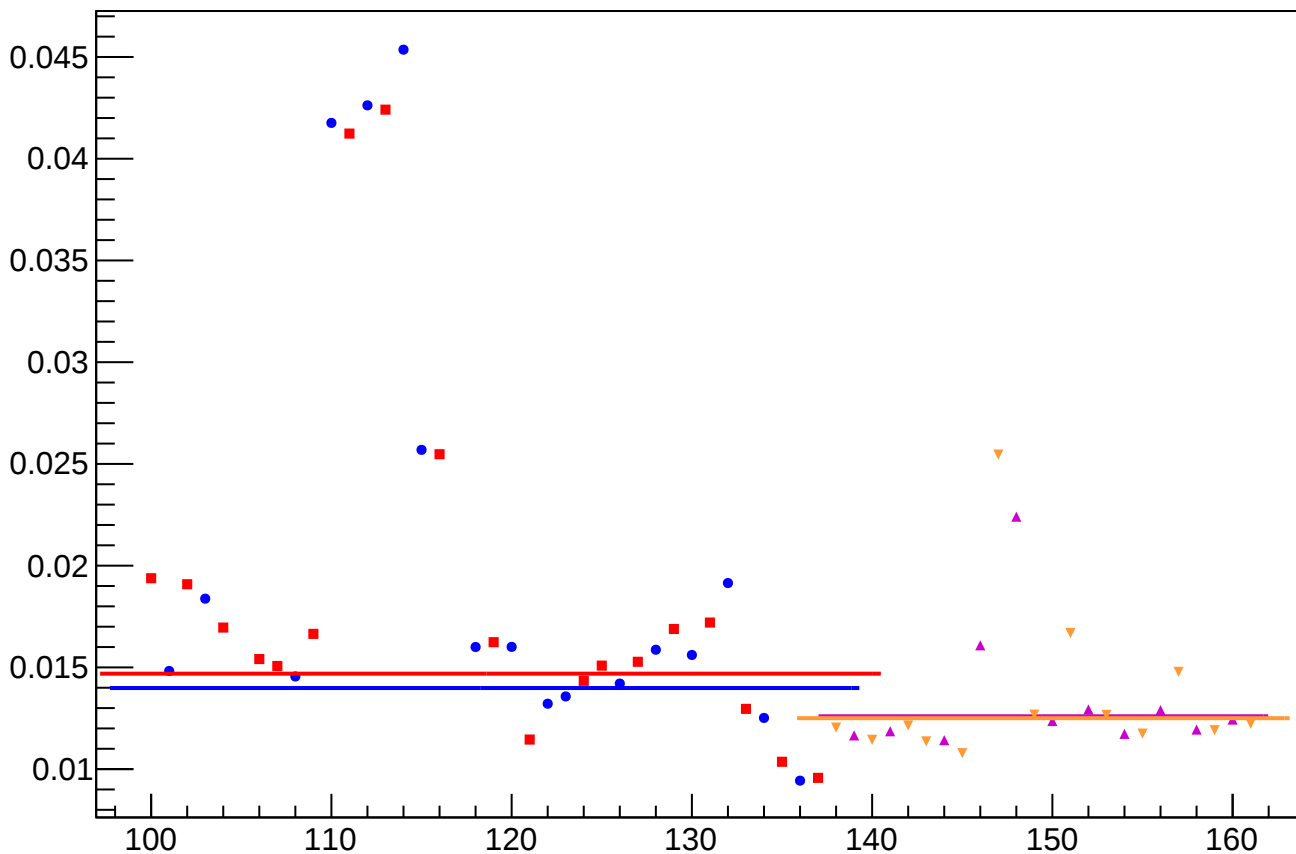
0.677 $\pm$ 0.000 χ^2 /NDF: 4103027319.1/29

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152115639.4/18

0.695 $\pm$ 0.000 χ^2 /NDF: 4968277562.7/29

Left In: 0.623 $\pm$ 0.000 χ^2 /NDF:825631.6/10

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.013+/-0.000 χ^2/NDF : 588310.1/12

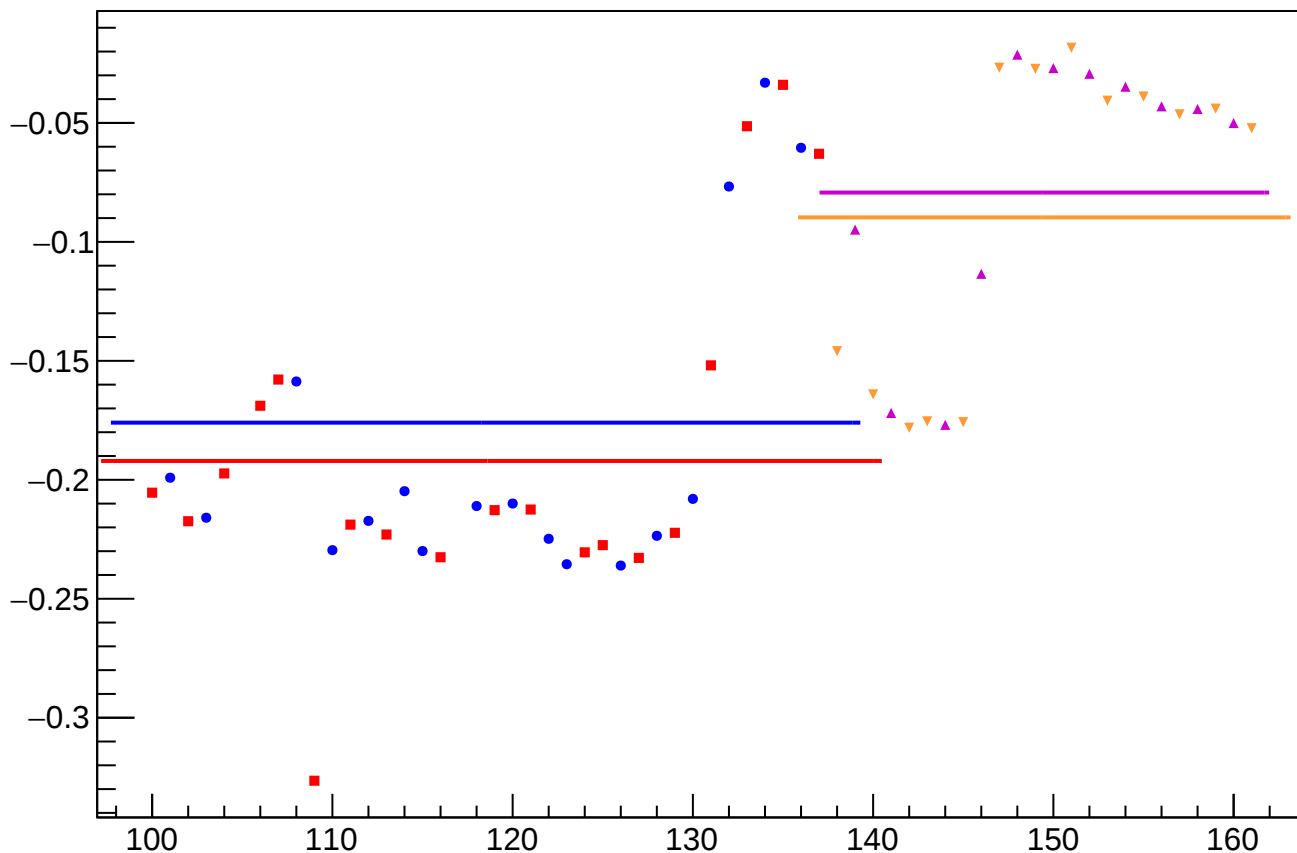
0.013+/-0.000 χ^2/NDF : 2071366.6/29

Right Out: 0.015+/-0.000 χ^2/NDF : 1258511.3/18

0.013+/-0.000 χ^2/NDF : 1828743.1/29

Left In: 0.013+/-0.000 χ^2/NDF : 409418.1/10

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.090+/-0.000 χ^2/NDF : 88594803.5/12

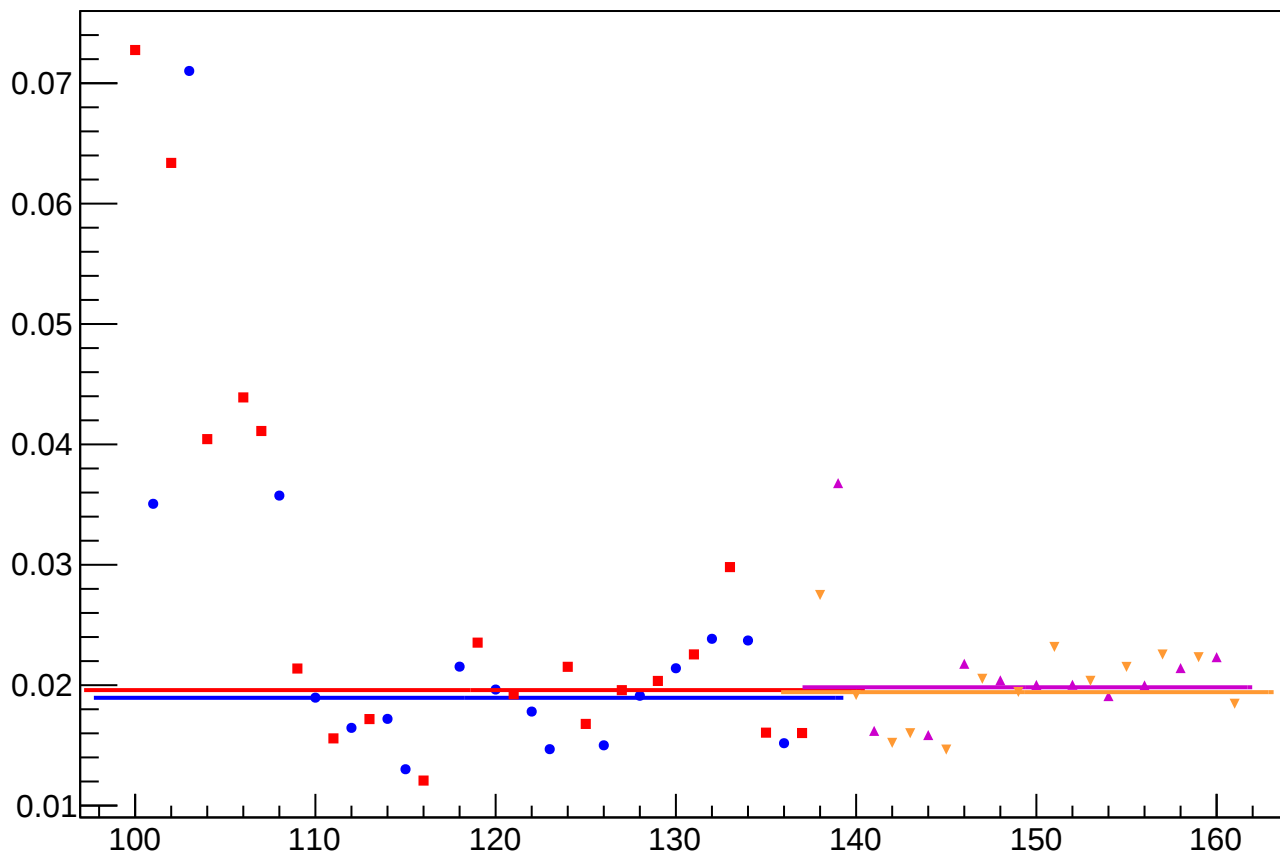
Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

Left In: -0.079+/-0.000 χ^2/NDF : 68355179.8/10

-0.125+/-0.000 χ^2/NDF : 219835347.2/29

-0.127+/-0.000 χ^2/NDF : 250222343.8/29

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 415978.7/12

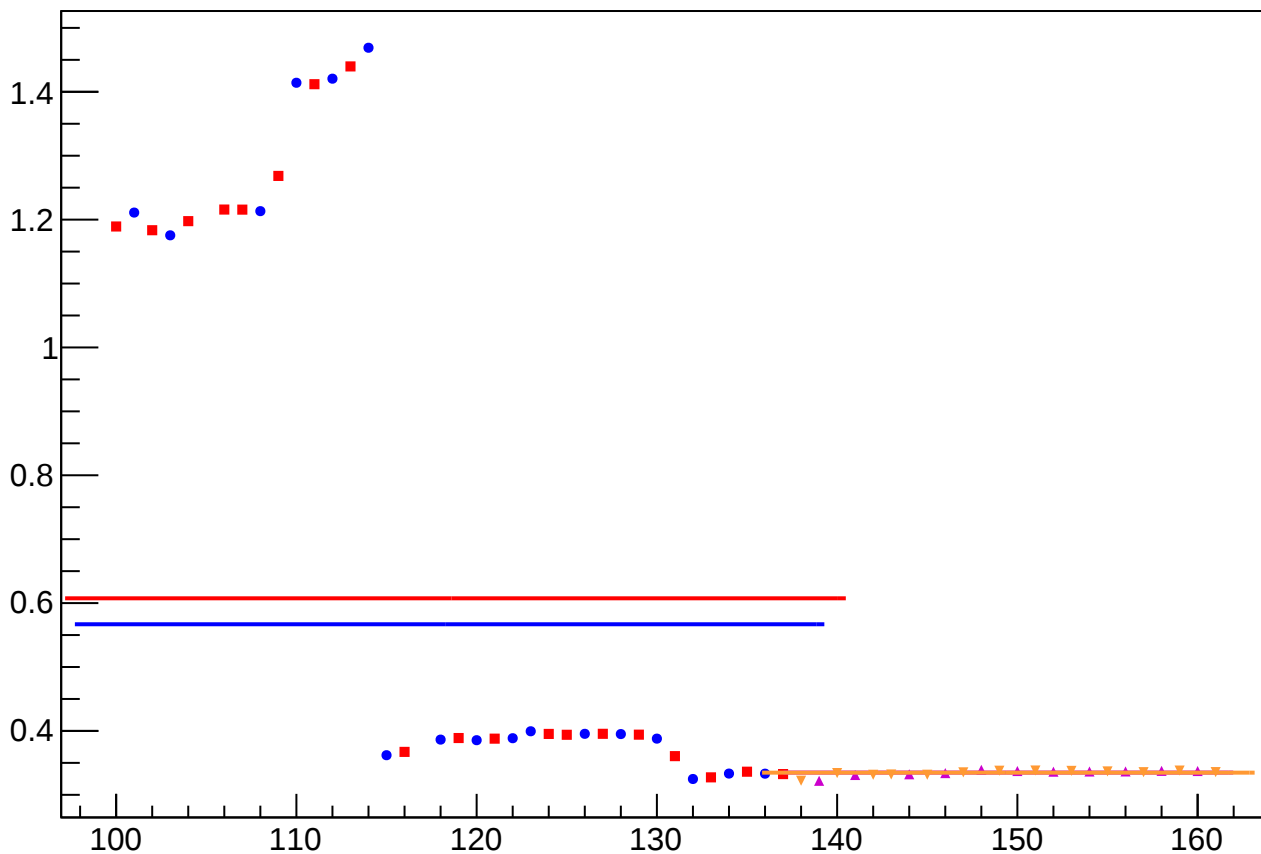
Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

Left In: 0.020+/-0.000 χ^2/NDF : 483049.8/10

0.019+/-0.000 χ^2/NDF : 1622877.2/29

0.020+/-0.000 χ^2/NDF : 1939229.3/29

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1065647.5/12

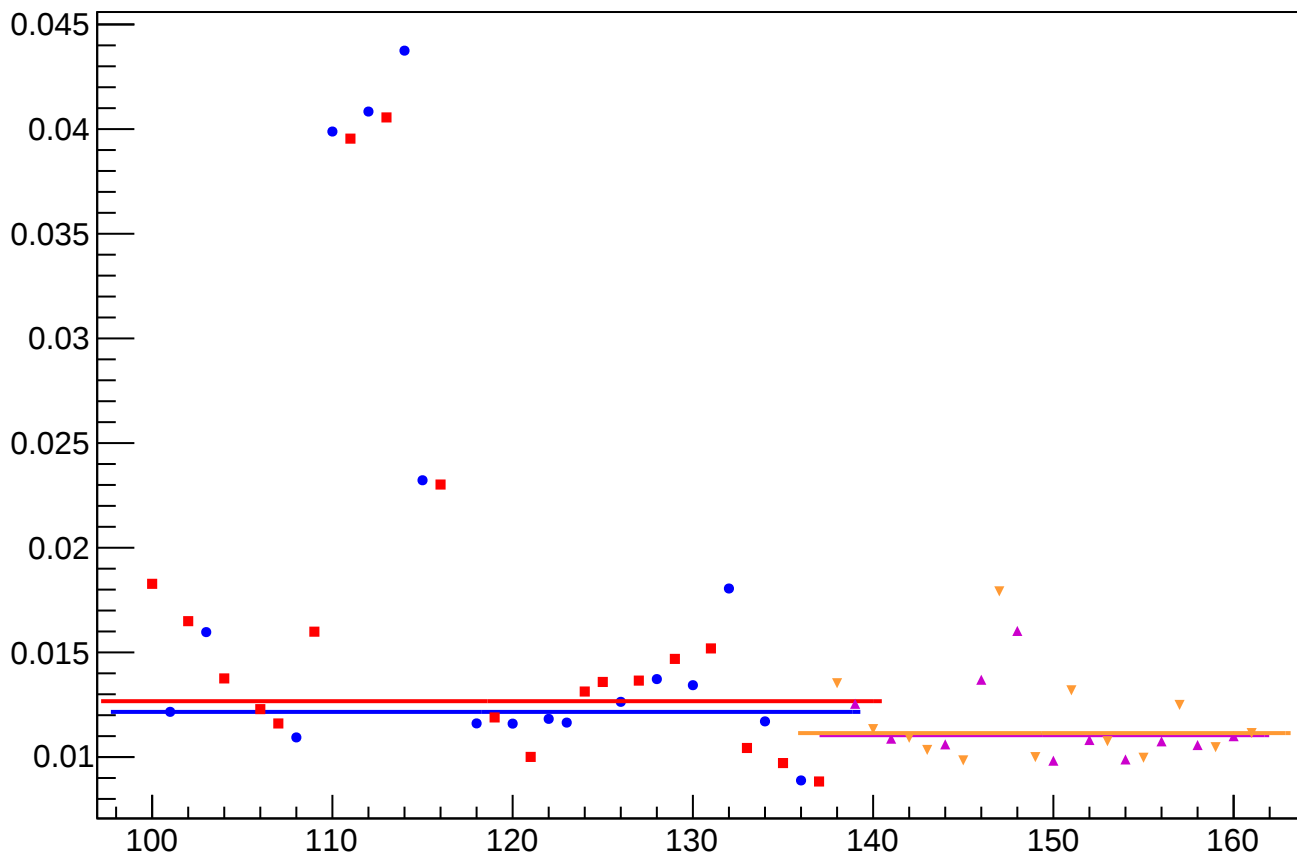
Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5505226431.3/18

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1150530.3/10

0.414 $\pm$ 0.000 χ^2 /NDF: 6367503070.9/29

0.428 $\pm$ 0.000 χ^2 /NDF: 7296260813.4/29

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: 394865.2/12

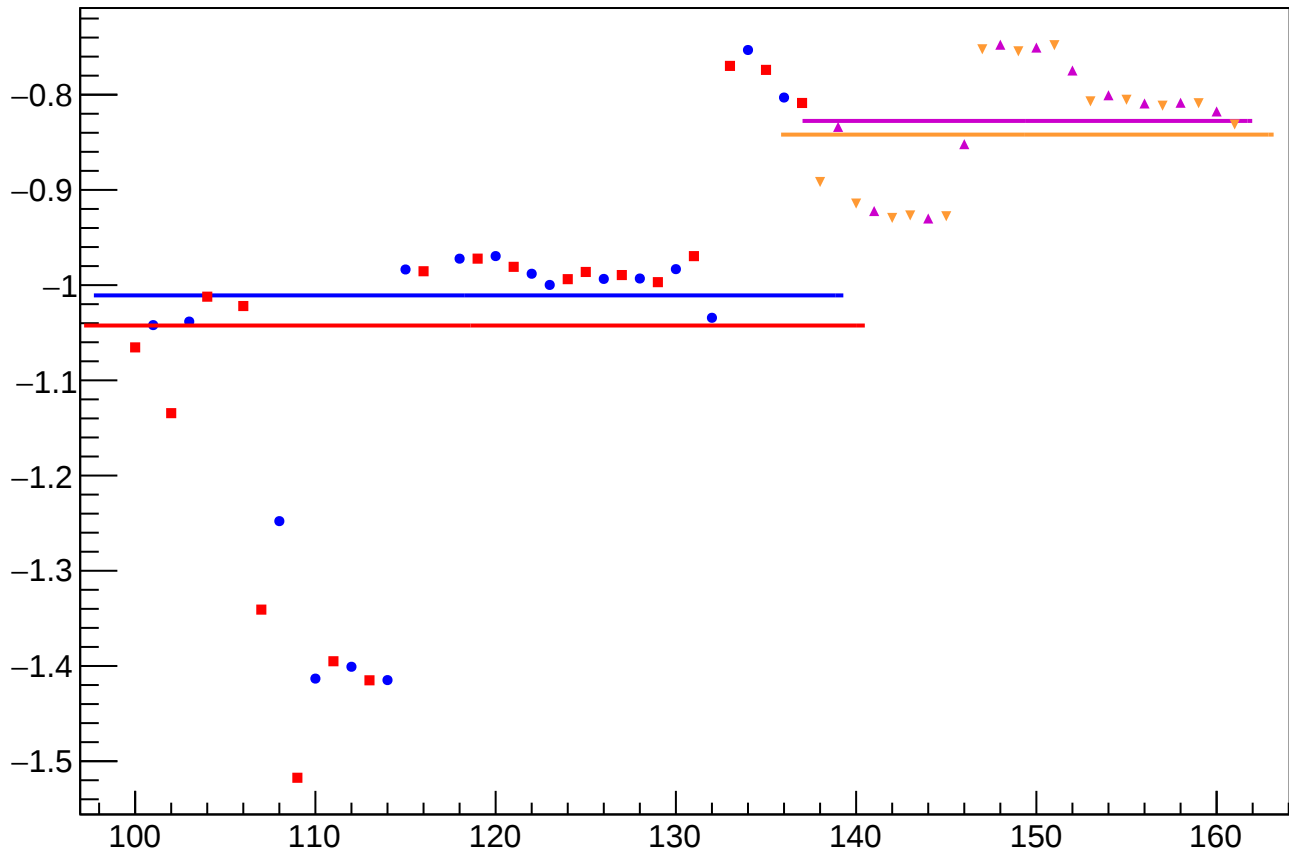
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 282100.7/10

0.011 $\pm$ 0.000 χ^2 /NDF: 1754184.6/29

0.012 $\pm$ 0.000 χ^2 /NDF: 1676326.1/29

yield_bpm4acX_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.842+/-0.000 χ^2/NDF : 91637790.9/12

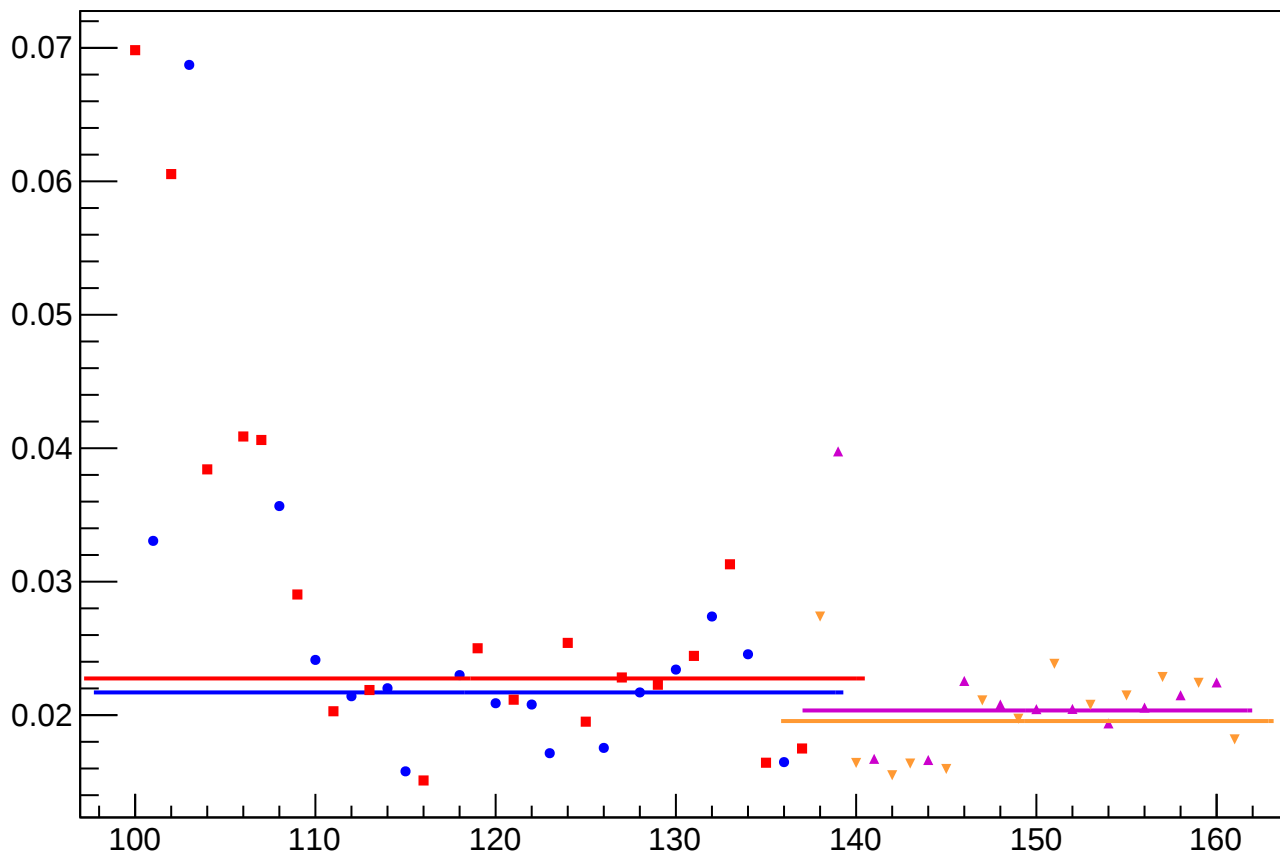
Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

Left In: -0.828+/-0.000 χ^2/NDF : 70001639.3/10

-0.901+/-0.000 χ^2/NDF : 676759010.5/29

-0.908+/-0.000 χ^2/NDF : 895324420.4/29

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 979293.5/16

Left Out: 0.020 ± 0.000 χ^2/NDF : 388071.6/12

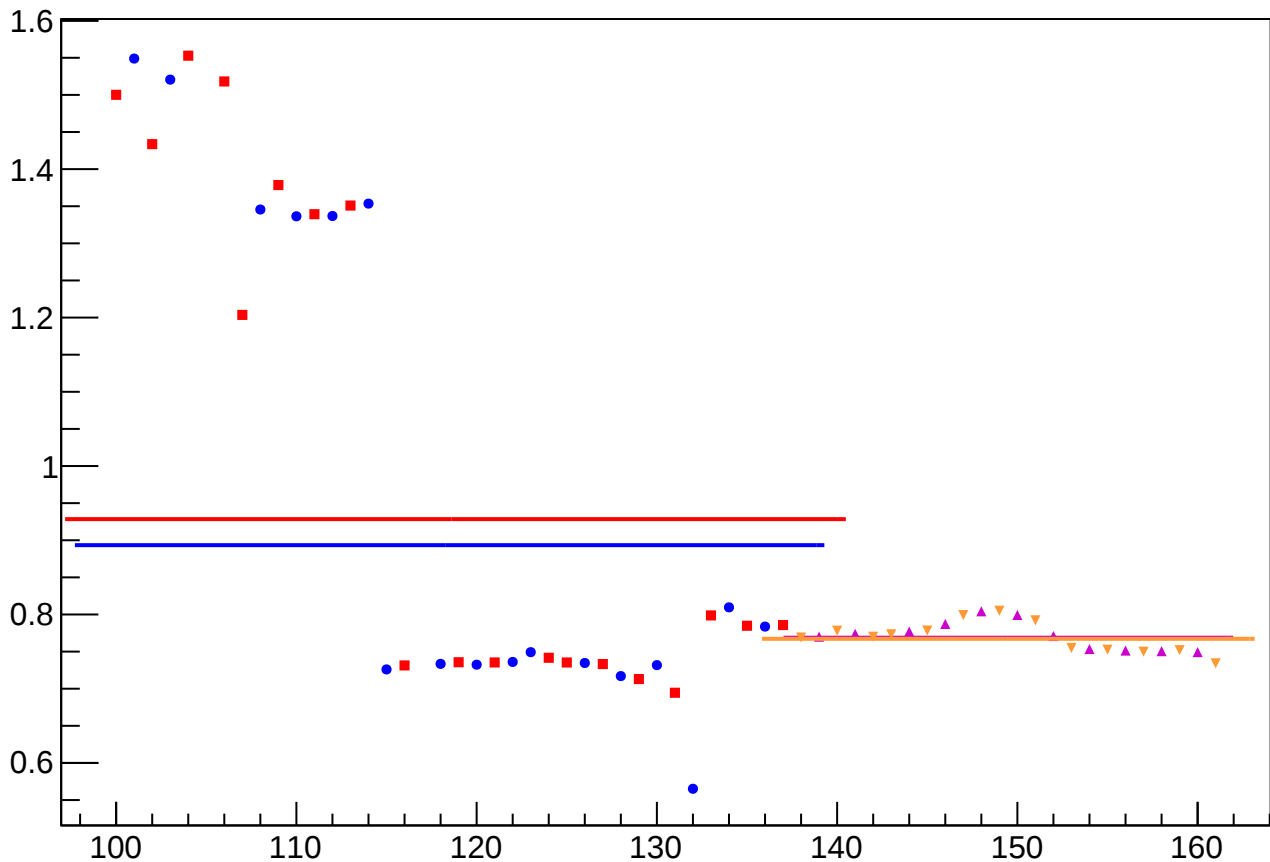
Right Out: 0.023 ± 0.000 χ^2/NDF : 1152332.6/18

Left In: 0.020 ± 0.000 χ^2/NDF : 492860.9/10

0.020 ± 0.000 χ^2/NDF : 1431297.4/29

0.021 ± 0.000 χ^2/NDF : 1719039.7/29

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.767+/-0.000 χ^2/NDF : 21511774.8/12

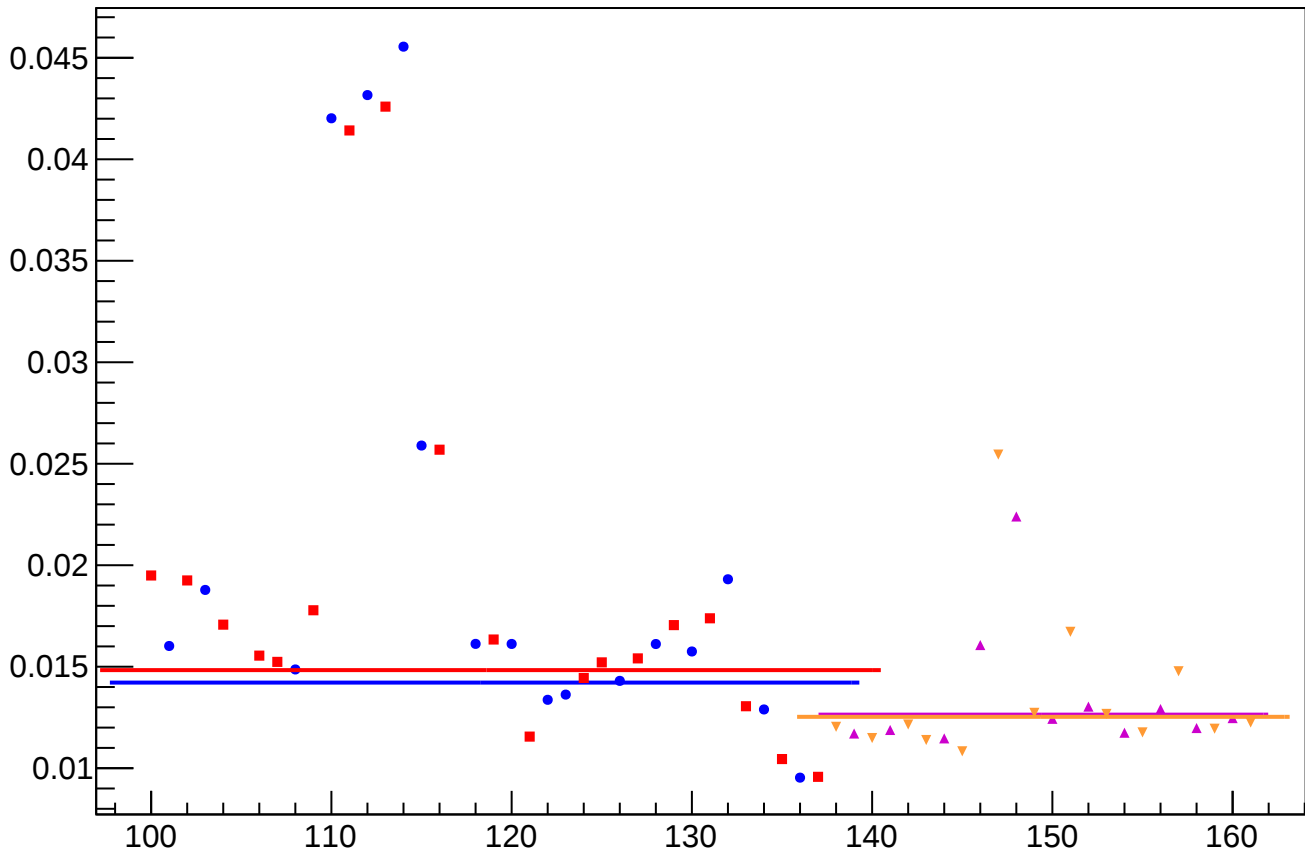
0.808+/-0.000 χ^2/NDF : 2727689856.4/29

Right Out: 0.928+/-0.000 χ^2/NDF : 2435640156.0/18

0.823+/-0.000 χ^2/NDF : 2910411087.0/29

Left In: 0.769+/-0.000 χ^2/NDF : 15270891.4/10

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.013+/-0.000 χ^2/NDF : 583753.5/12

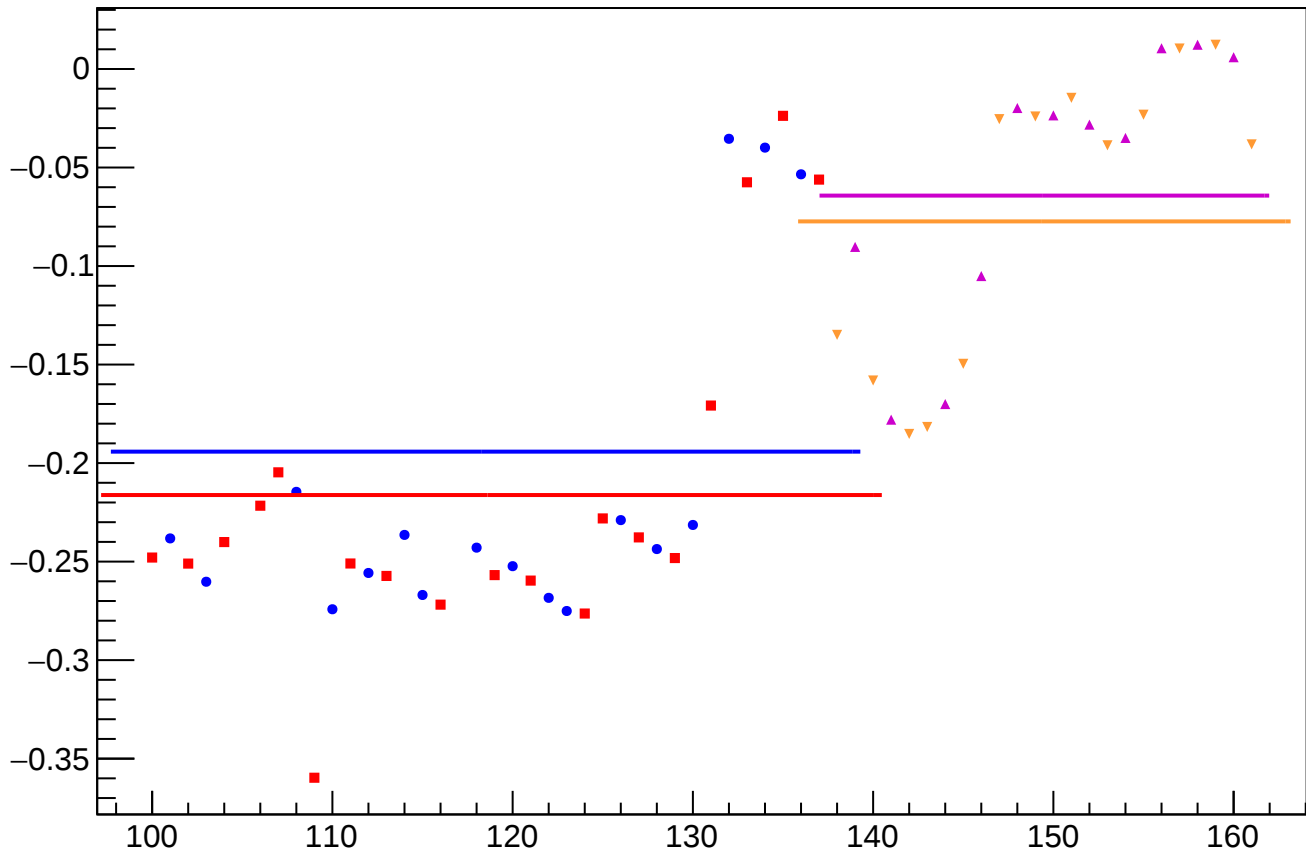
Right Out: 0.015+/-0.000 χ^2/NDF : 1269559.2/18

Left In: 0.013+/-0.000 χ^2/NDF : 405091.2/10

0.013+/-0.000 χ^2/NDF : 2099989.2/29

0.013+/-0.000 χ^2/NDF : 1847962.9/29

yield_bpm4ecX_mean vs Slug



Right In: -0.194 ± 0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.077 ± 0.000 χ^2/NDF : 106900254.2/12

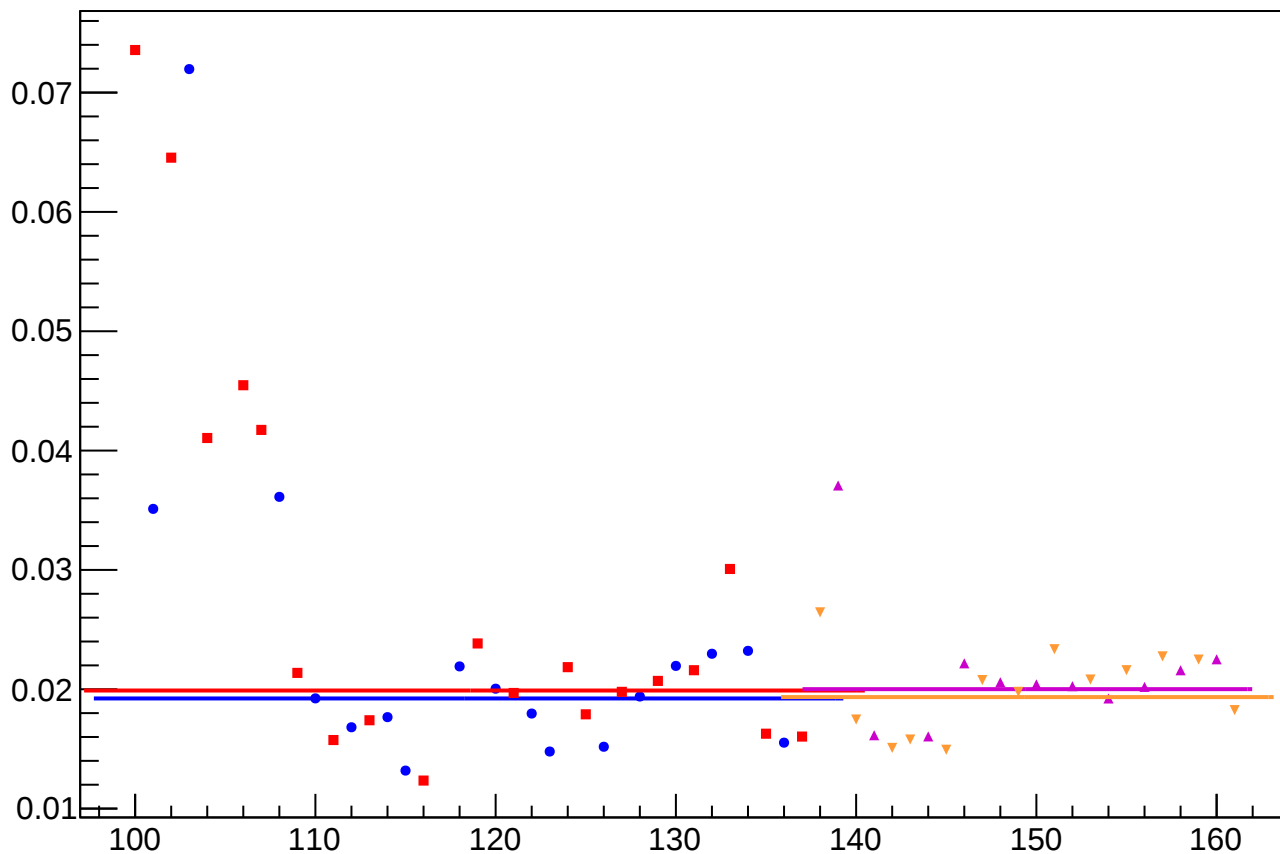
Right Out: -0.216 ± 0.000 χ^2/NDF : 111036295.0/18

Left In: -0.064 ± 0.000 χ^2/NDF : 93366964.2/10

-0.124 ± 0.000 χ^2/NDF : 325666200.7/29

-0.128 ± 0.000 χ^2/NDF : 378637392.2/29

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.019+/-0.000 χ^2/NDF : 417862.5/12

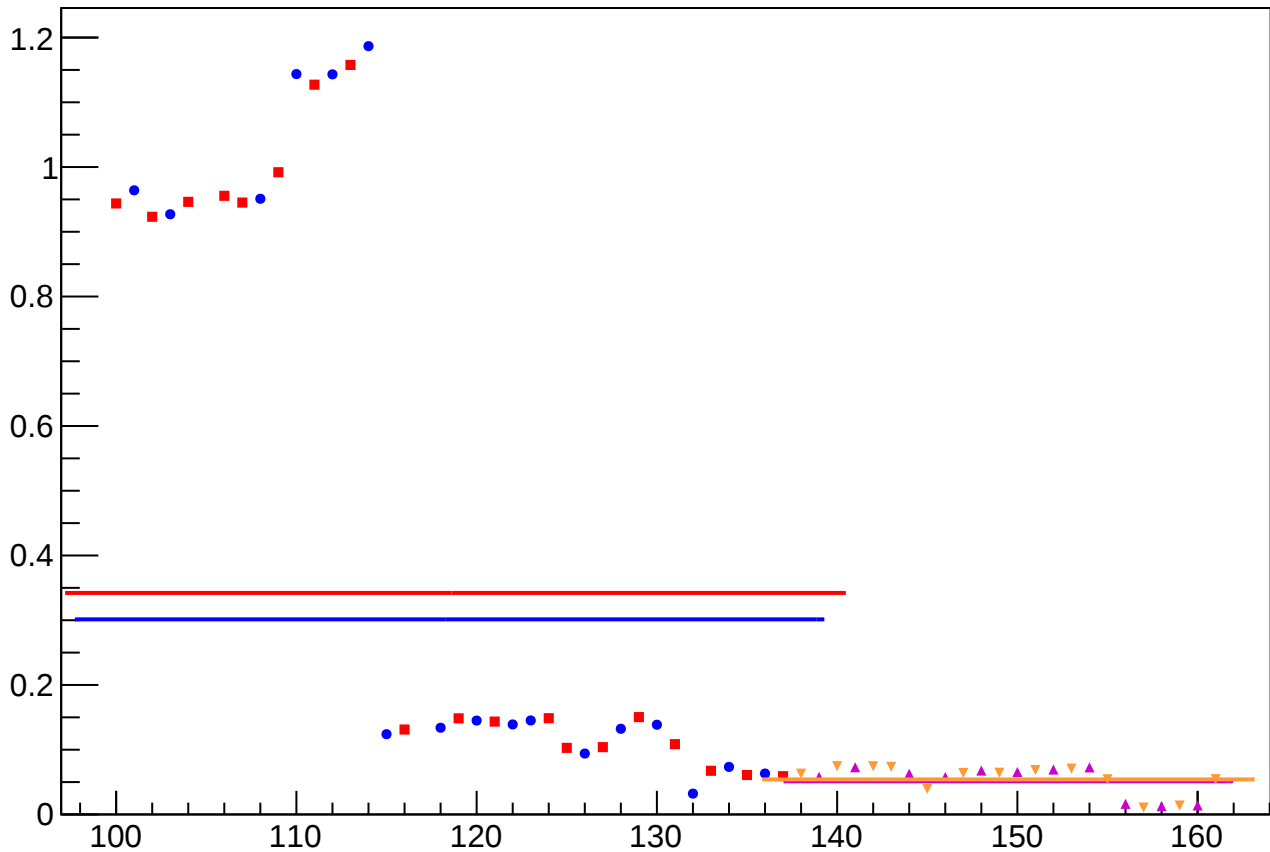
Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 490386.4/10

0.019+/-0.000 χ^2/NDF : 1592649.3/29

0.020+/-0.000 χ^2/NDF : 1935024.5/29

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.054+/-0.000 χ^2/NDF : 34623961.3/12

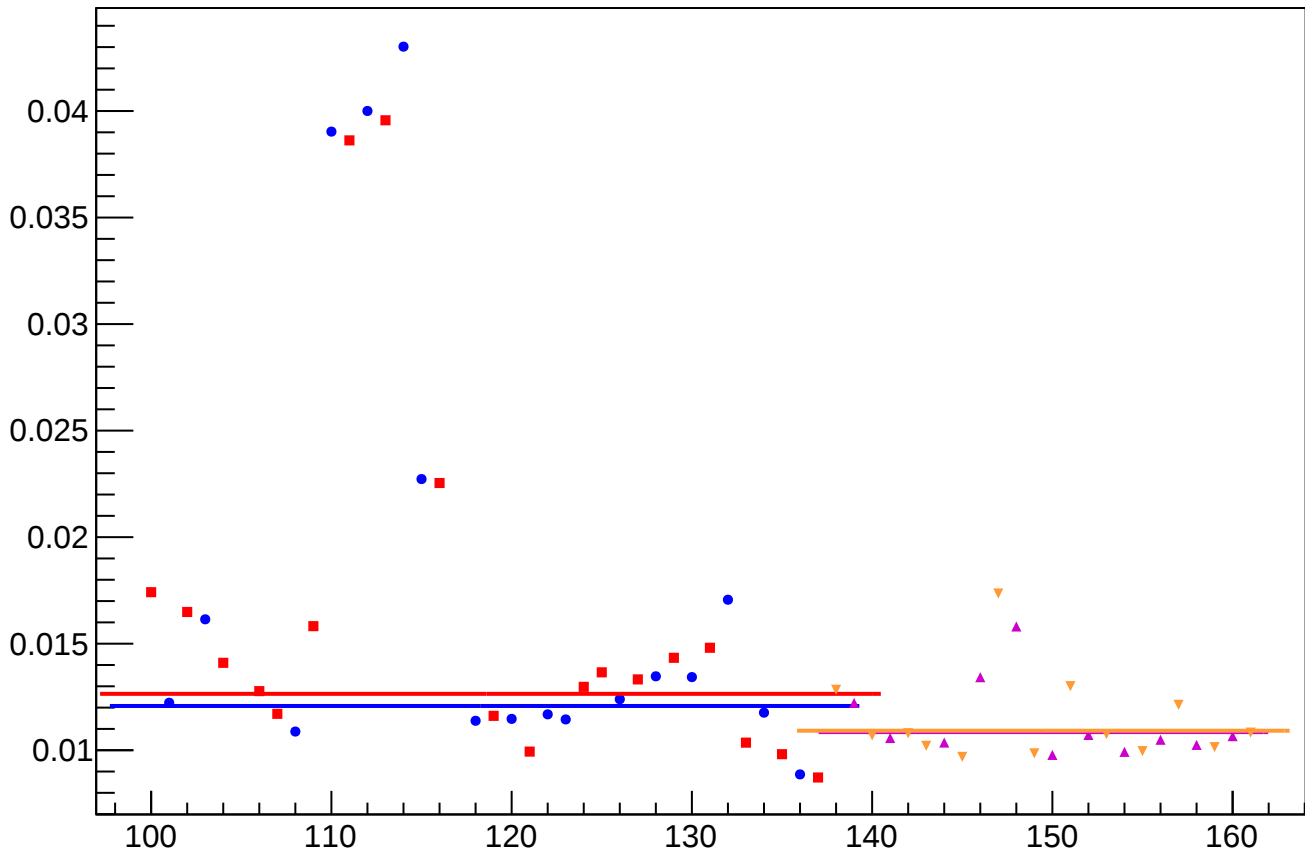
0.136+/-0.000 χ^2/NDF : 6756360079.7/29

Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

0.149+/-0.000 χ^2/NDF : 7554924346.8/29

Left In: 0.051+/-0.000 χ^2/NDF : 43110759.6/10

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:363086.8/12

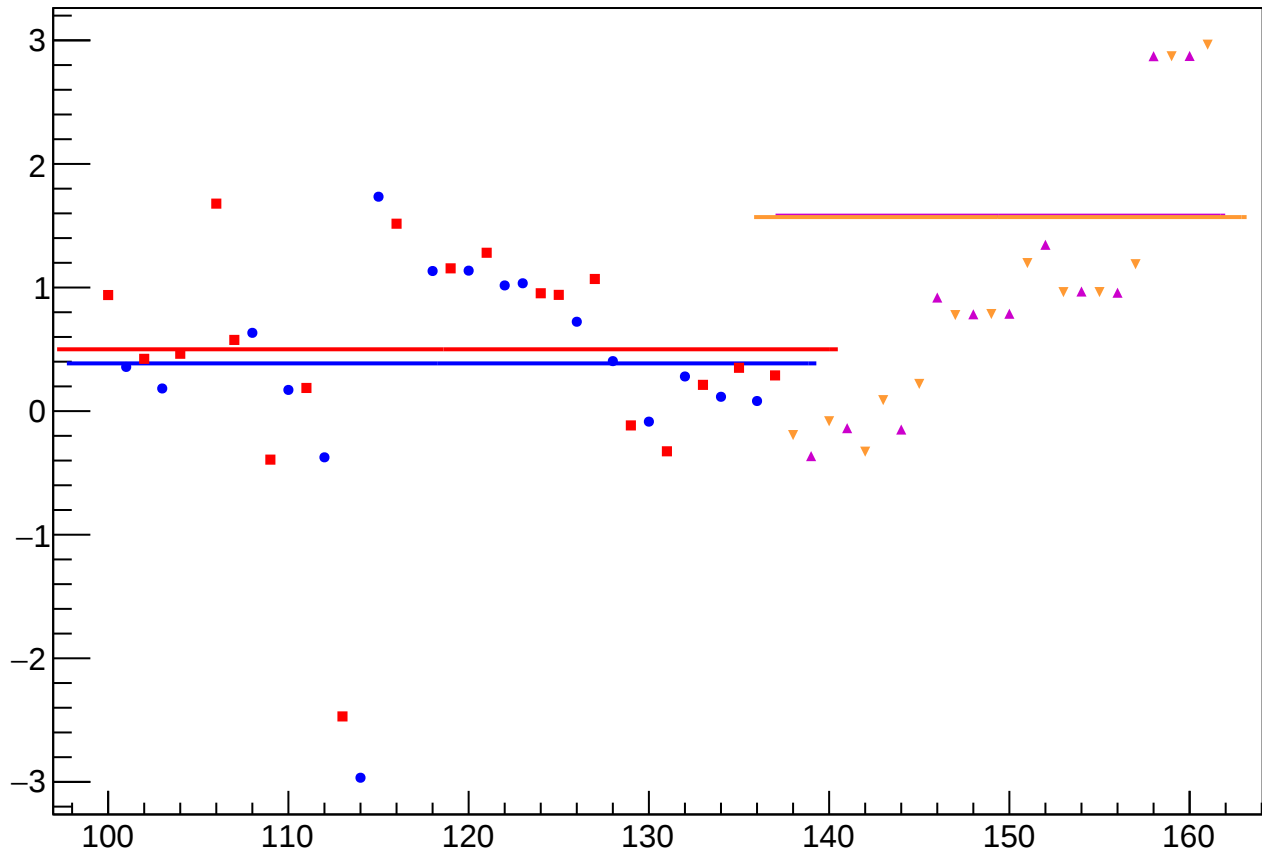
0.011 $\pm$ 0.000 χ^2 /NDF: 1712519.5/29

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1666020.7/29

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:272252.6/10

yield_bpm1X_mean vs Slug



Right In: 0.386 ± 0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.570 ± 0.000 χ^2/NDF : 19026826837.4/12

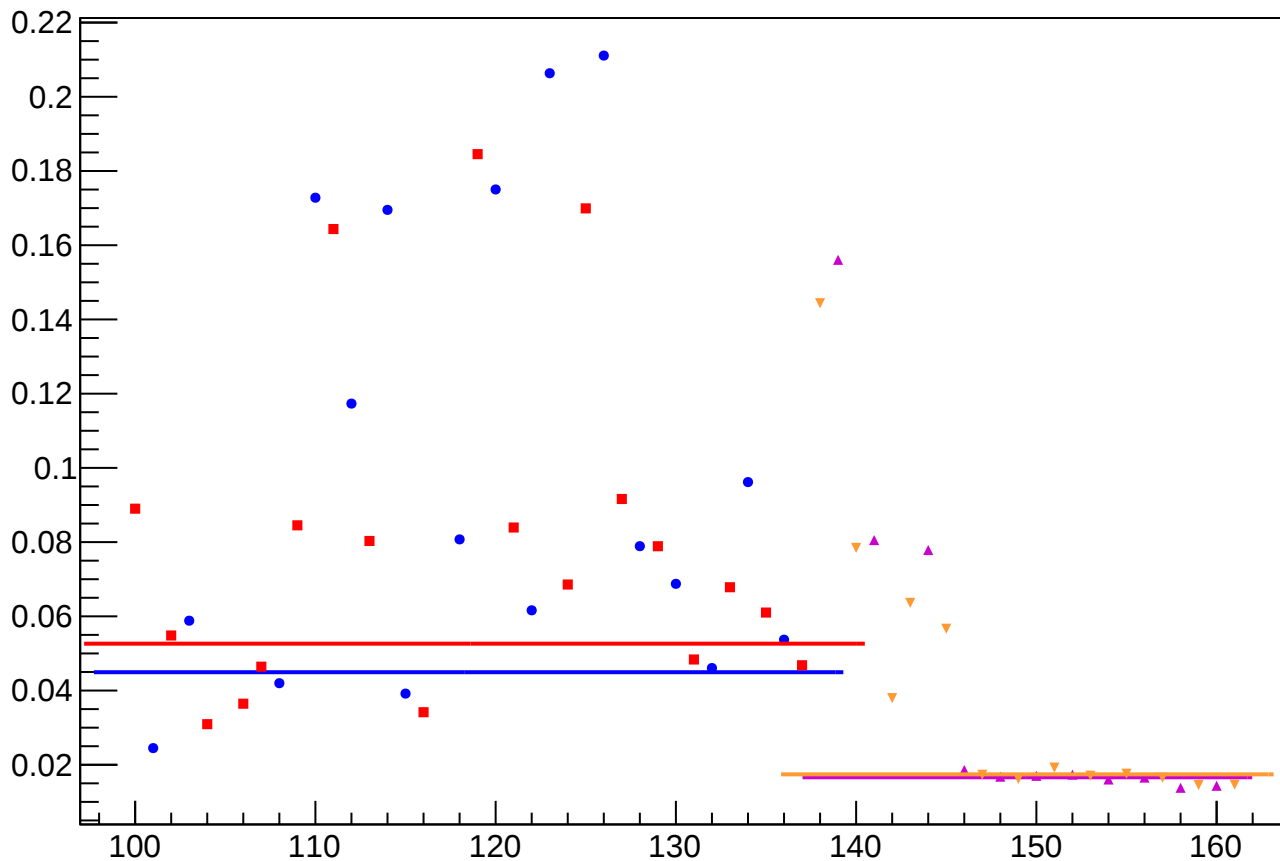
Right Out: 0.500 ± 0.000 χ^2/NDF : 983386658.7/18

Left In: 1.582 ± 0.000 χ^2/NDF : 18818759386.8/10

1.480 ± 0.000 χ^2/NDF : 21535358929.8/29

1.513 ± 0.000 χ^2/NDF : 21432222663.3/29

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2717108.9/12

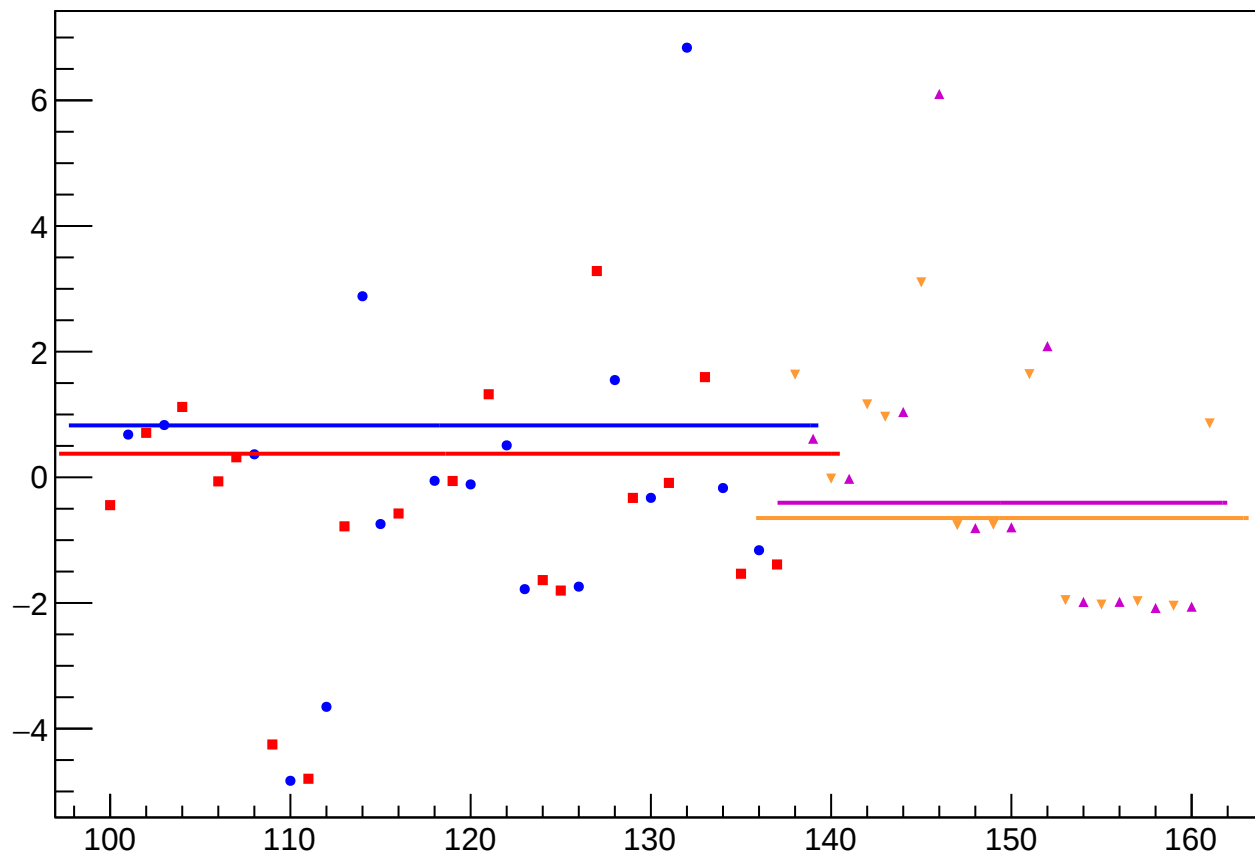
Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

Left In: 0.017+/-0.000 χ^2/NDF : 2390136.1/10

0.020+/-0.000 χ^2/NDF : 7950358.4/29

0.019+/-0.000 χ^2/NDF : 8195588.9/29

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: -0.648+/-0.000 χ^2/NDF : 94423341888.4/12

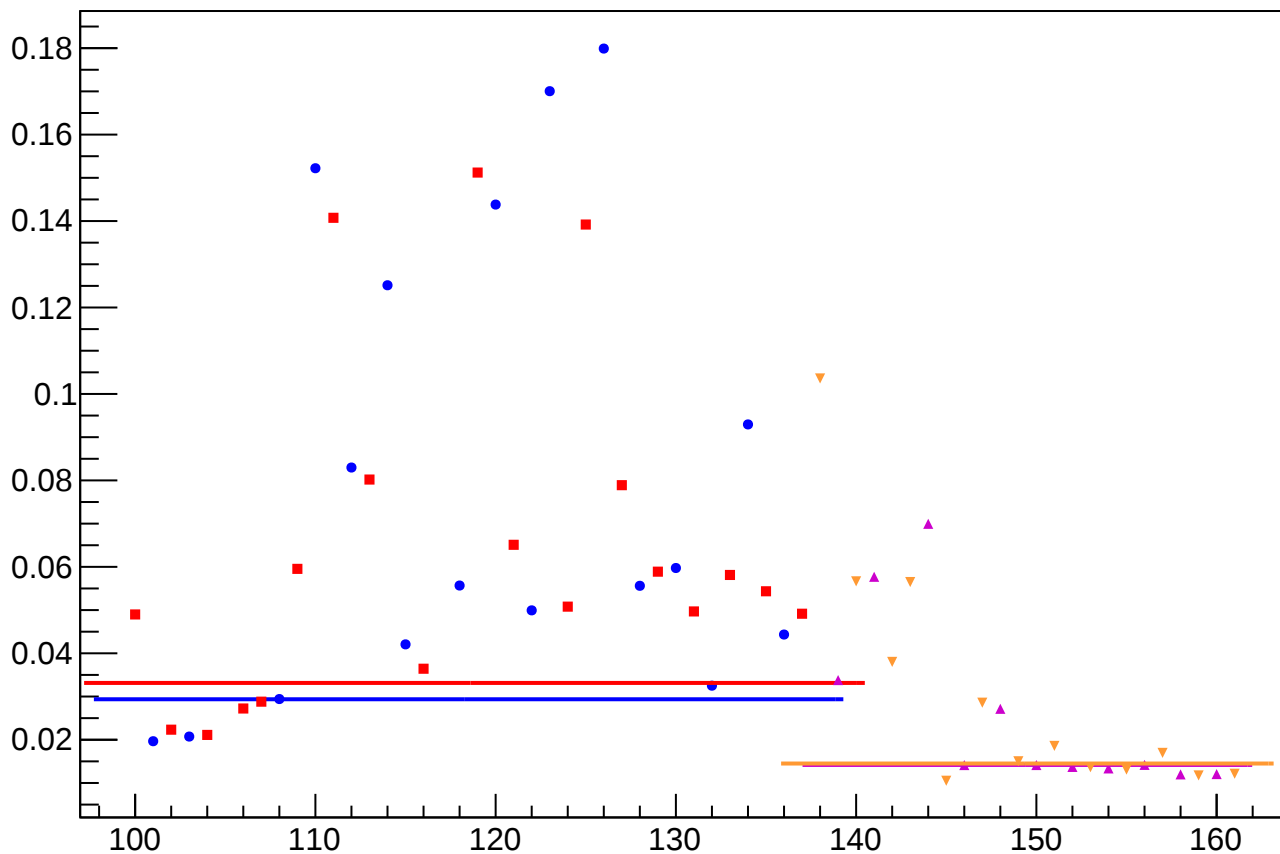
Right Out: 0.376+/-0.000 χ^2/NDF : 4947158634.2/18

Left In: -0.405+/-0.000 χ^2/NDF : 225453468966.7/10

-0.488+/-0.000 χ^2/NDF : 112986390107.8/29

-0.330+/-0.000 χ^2/NDF : 232323852356.7/29

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.015+/-0.000 χ^2/NDF :2752076.3/12

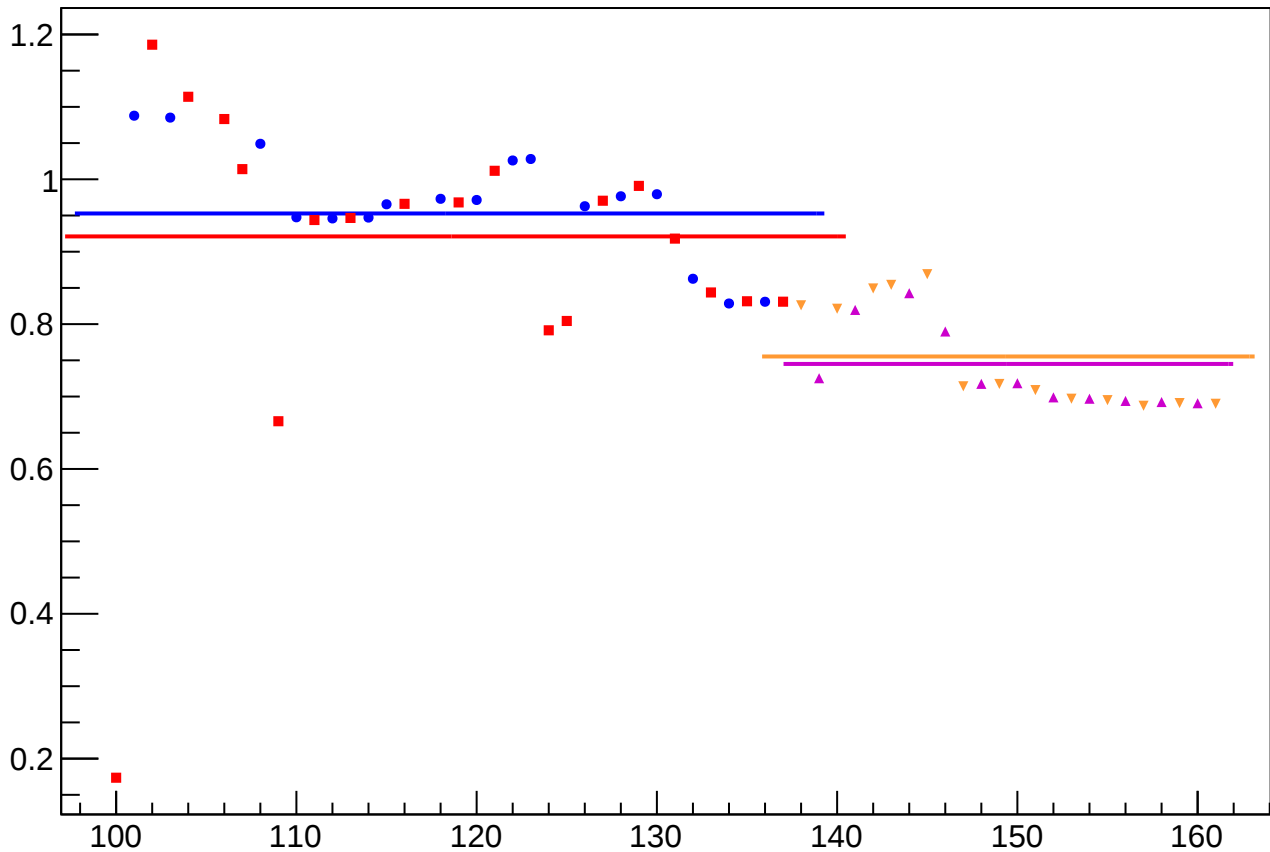
Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

Left In: 0.014+/-0.000 χ^2/NDF :1830438.1/10

0.016+/-0.000 χ^2/NDF : 7288926.9/29

0.016+/-0.000 χ^2/NDF : 7202455.4/29

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.755 $\pm$ 0.000 χ^2 /NDF:238802930.1/12

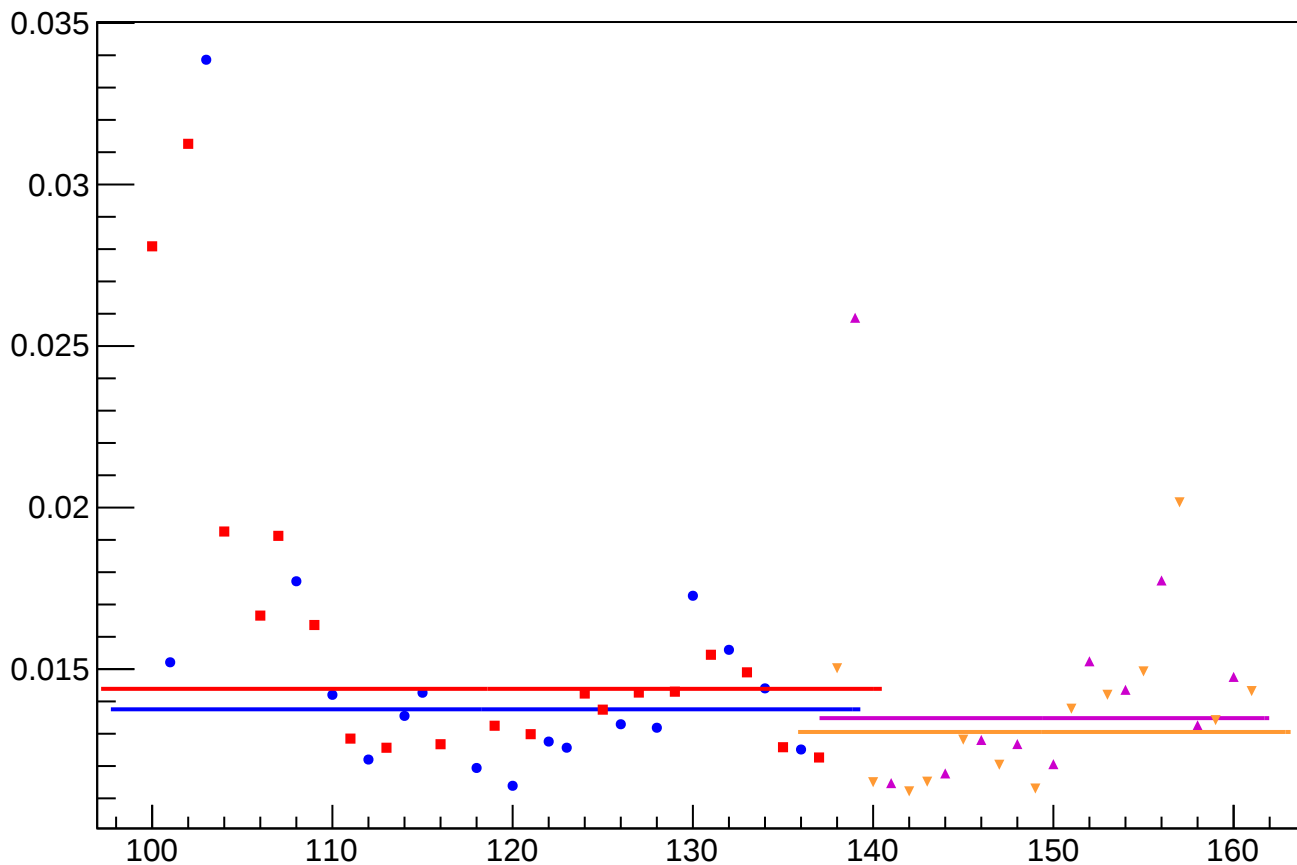
0.831 $\pm$ 0.000 χ^2 /NDF: 1146058811.9/29

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

0.816 $\pm$ 0.000 χ^2 /NDF: 1057866569.6/29

Left In: 0.745 $\pm$ 0.000 χ^2 /NDF:142083289.9/10

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538469.4/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:325297.0/12

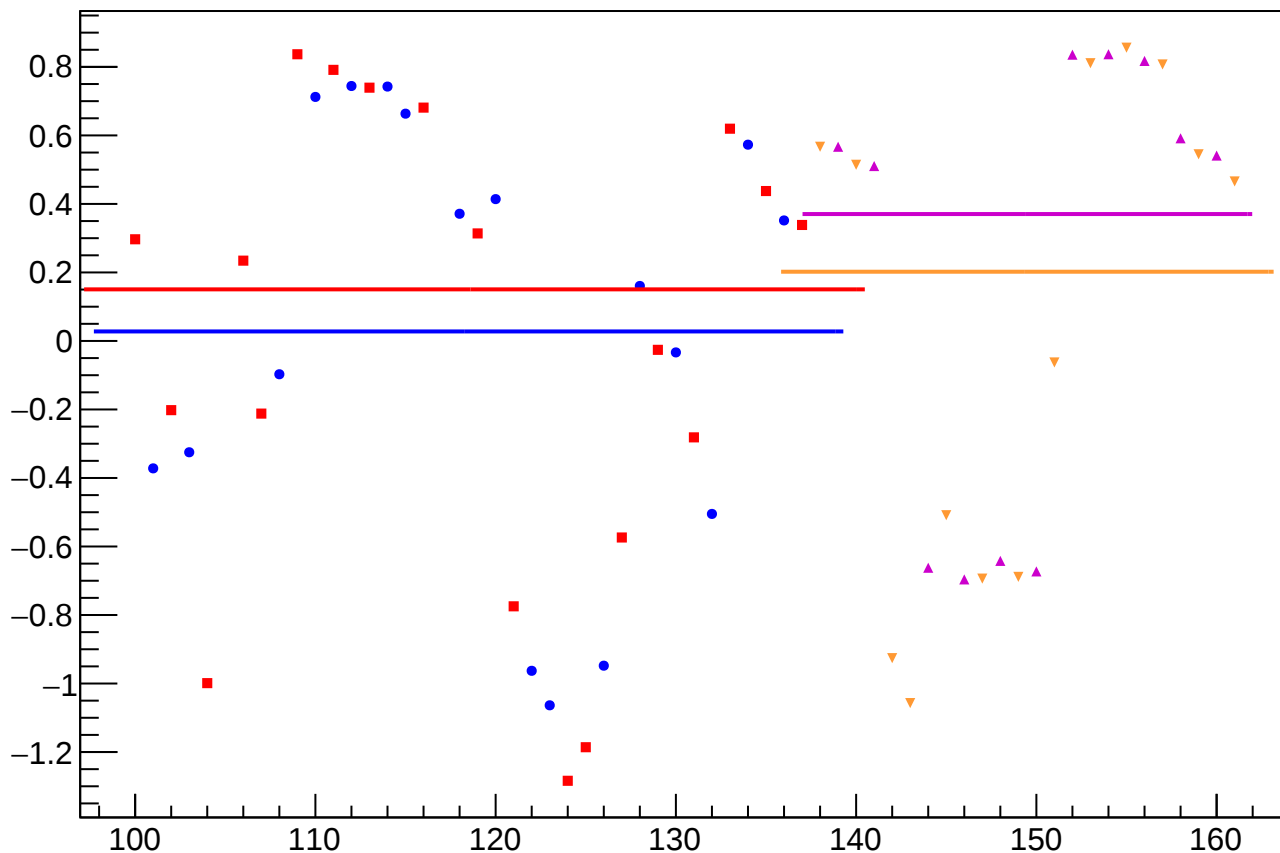
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 503813.0/18

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:544111.0/10

0.013 $\pm$ 0.000 χ^2 /NDF: 882205.8/29

0.014 $\pm$ 0.000 χ^2 /NDF: 1076642.5/29

yield_bpm11Y_mean vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.202 $\pm$ 0.000 χ^2 /NDF:23473965730.1/12

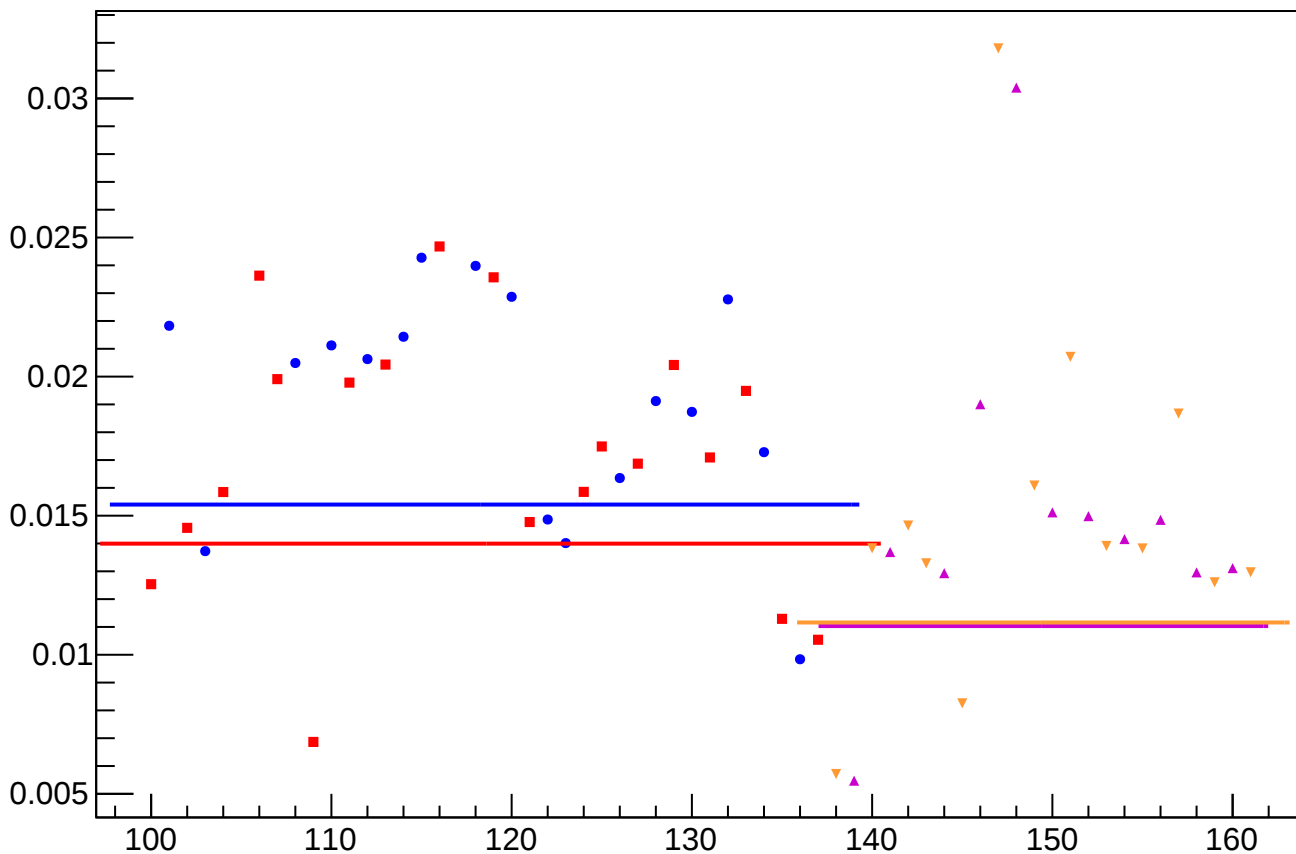
Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 12653743155.9/18

Left In: 0.370 $\pm$ 0.000 χ^2 /NDF:16025844445.1/10

0.154 $\pm$ 0.000 χ^2 /NDF: 30269717172.2/29

0.298 $\pm$ 0.000 χ^2 /NDF: 29606810516.6/29

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 2839101.2/12

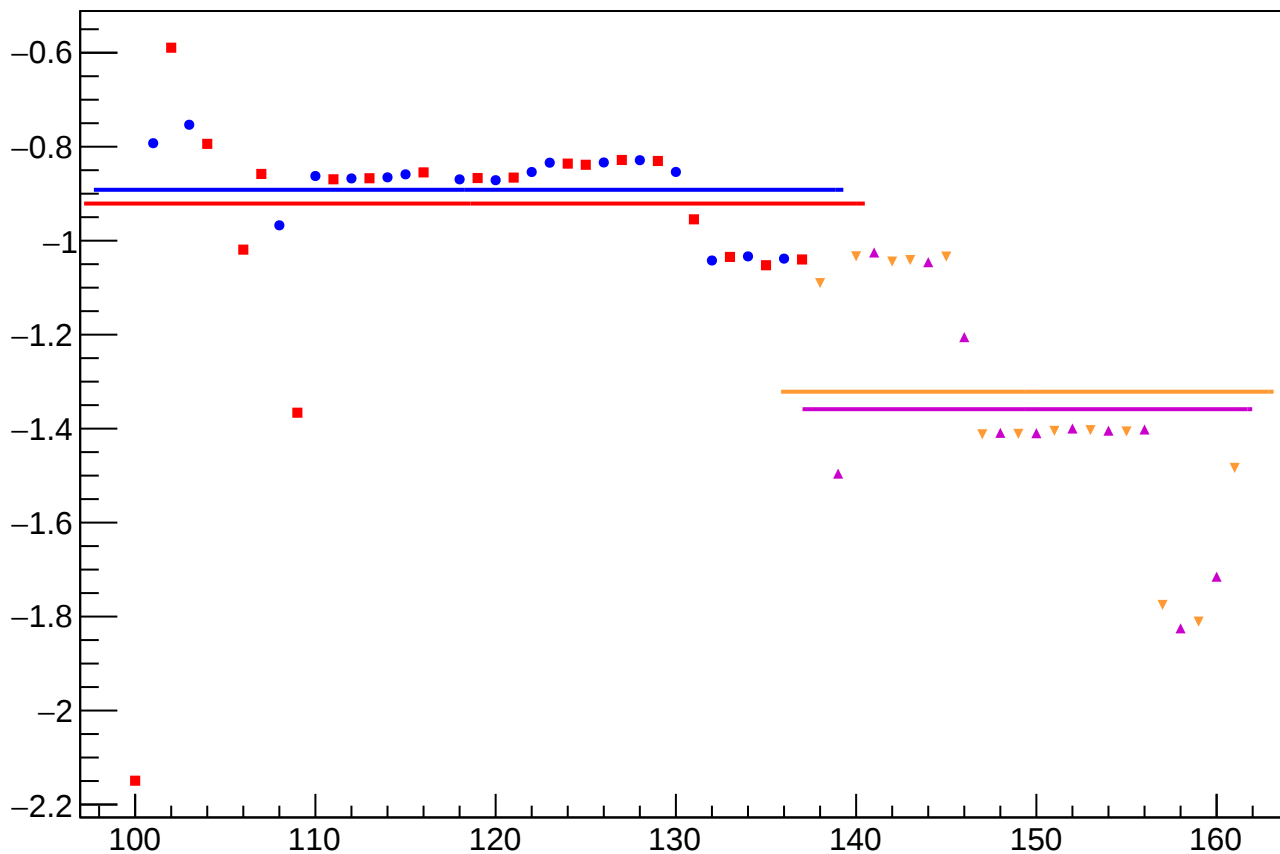
Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

Left In: 0.011+/-0.000 χ^2/NDF : 2841232.1/10

0.012+/-0.000 χ^2/NDF : 4594419.8/29

0.012+/-0.000 χ^2/NDF : 4739579.3/29

yield_bpm12X_mean vs Slug



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.321+/-0.000 χ^2/NDF : 449662082.7/12

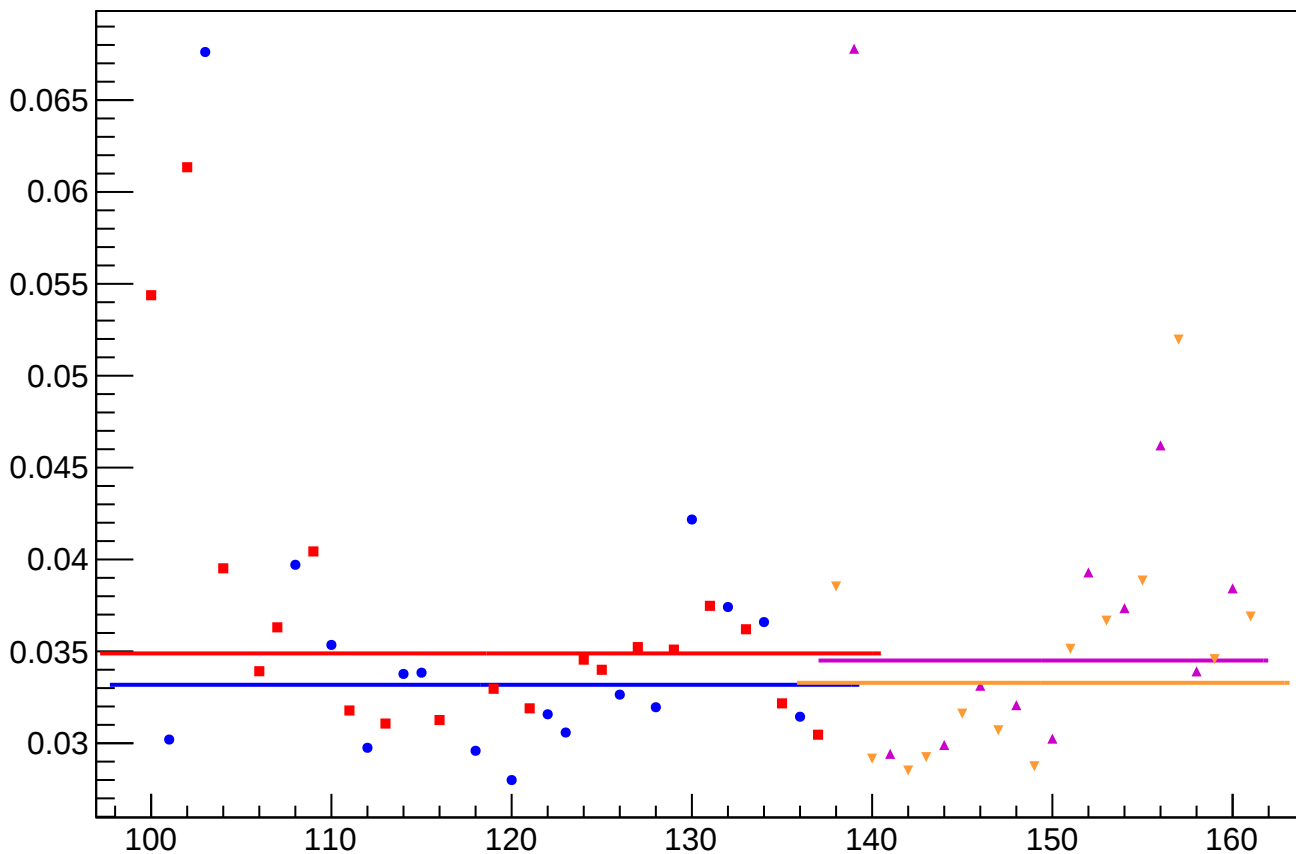
Right Out: -0.921+/-0.000 χ^2/NDF : 131159330.1/18

Left In: -1.359+/-0.000 χ^2/NDF : 400817928.5/10

-1.143+/-0.000 χ^2/NDF : 1060301928.7/29

-1.168+/-0.000 χ^2/NDF : 1077893211.2/29

yield_bpm12X_rms vs Slug



Right In: 0.033 ± 0.000 χ^2/NDF : 400106.0/16

Left Out: 0.033 ± 0.000 χ^2/NDF : 352231.6/12

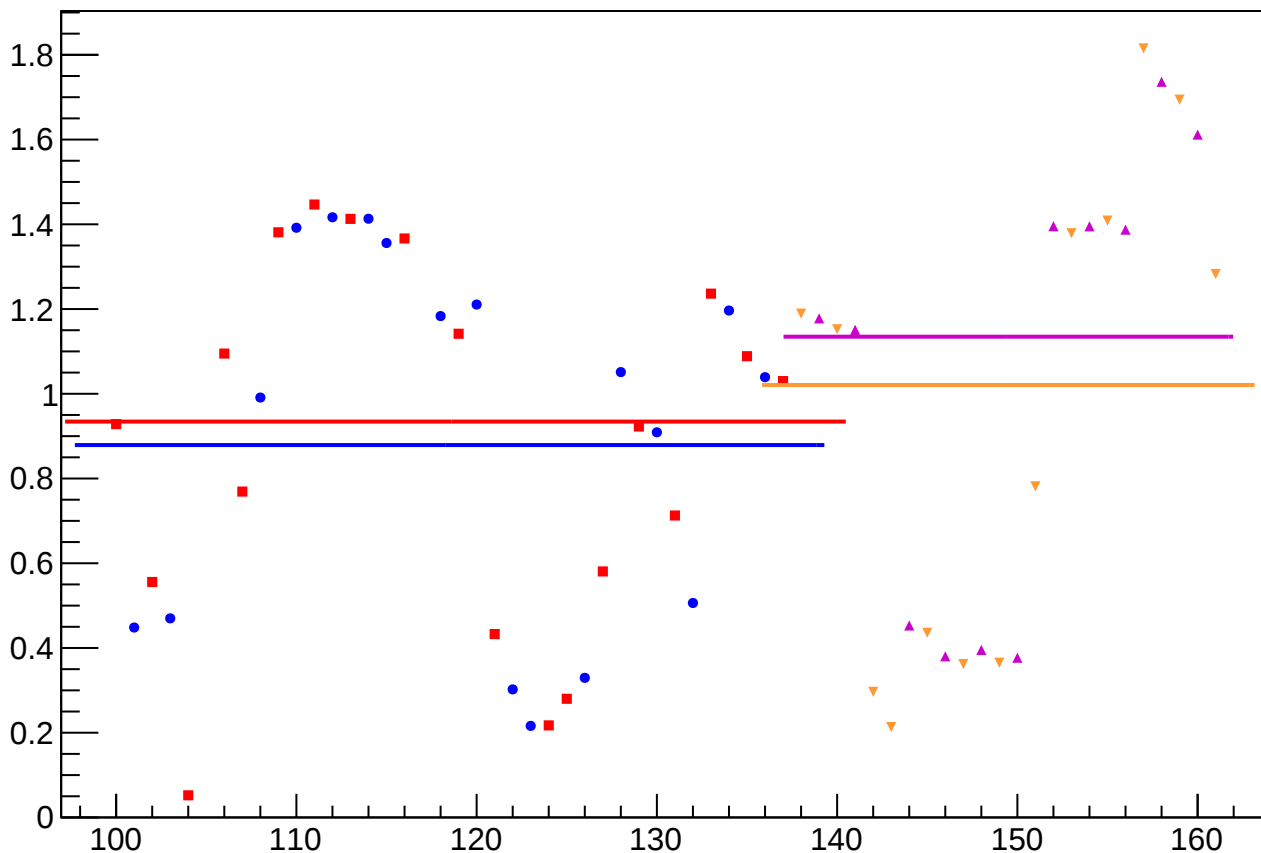
Right Out: 0.035 ± 0.000 χ^2/NDF : 275013.9/18

Left In: 0.035 ± 0.000 χ^2/NDF : 590257.4/10

0.033 ± 0.000 χ^2/NDF : 752410.3/29

0.035 ± 0.000 χ^2/NDF : 866126.1/29

yield_bpm12Y_mean vs Slug



Right In: 0.879 ± 0.000 χ^2/NDF : 6371602566.2/16

Left Out: 1.021 ± 0.000 χ^2/NDF : 28549891057.4/12

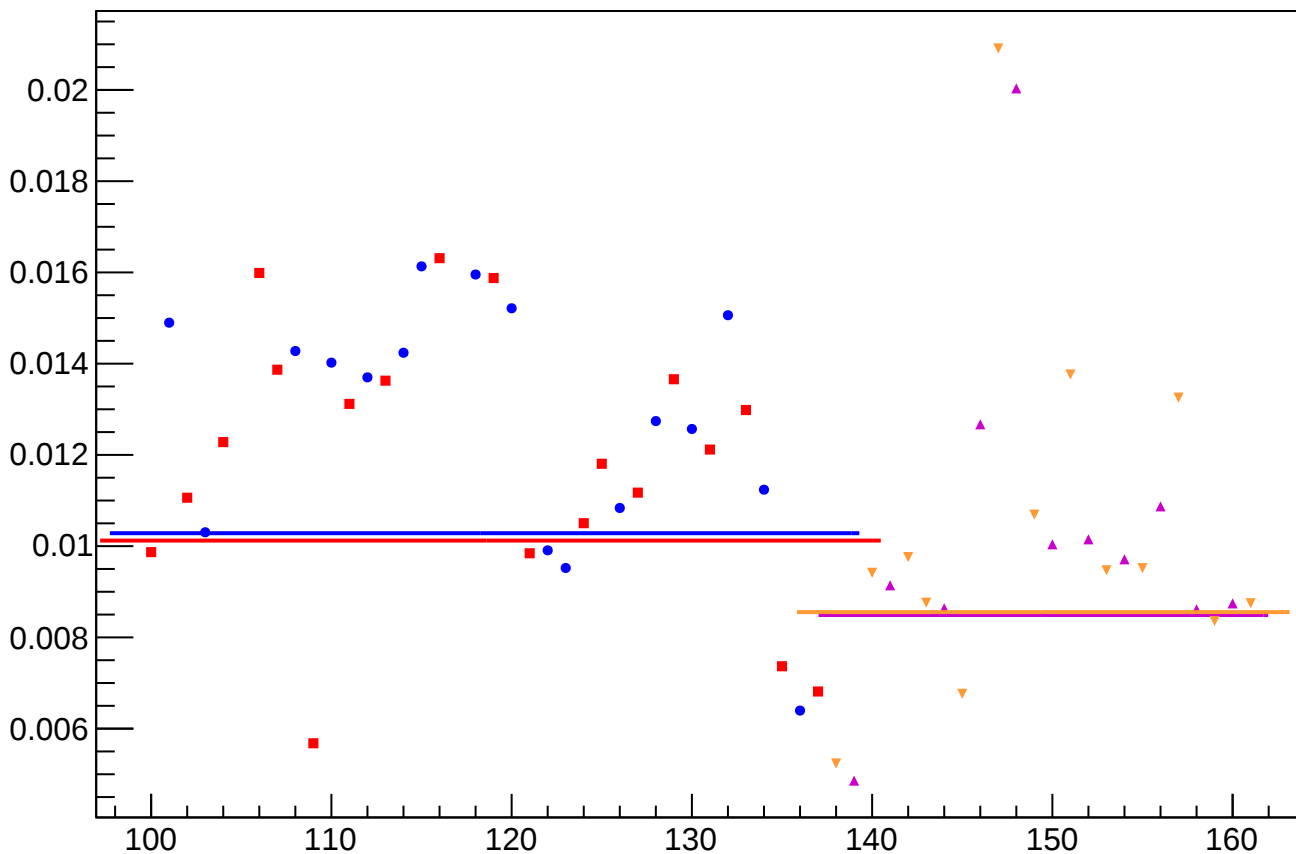
Right Out: 0.934 ± 0.000 χ^2/NDF : 9827120184.9/18

Left In: 1.135 ± 0.000 χ^2/NDF : 21393894369.6/10

0.976 ± 0.000 χ^2/NDF : 35646867560.3/29

1.066 ± 0.000 χ^2/NDF : 32717977095.2/29

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 1653271.6/12

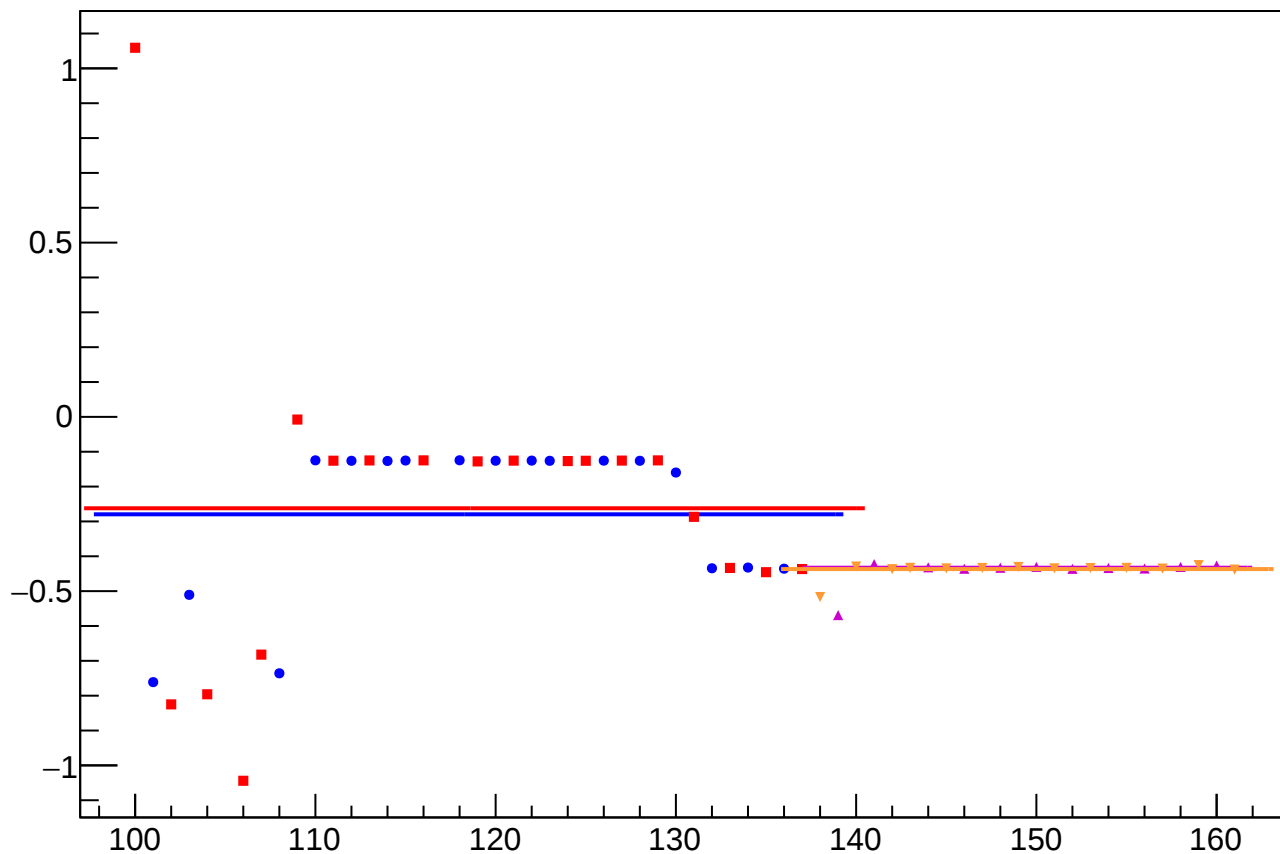
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1176642.1/18

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1609263.7/10

0.009 $\pm$ 0.000 χ^2 /NDF: 3076616.9/29

0.009 $\pm$ 0.000 χ^2 /NDF: 2984289.9/29

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.437 ± 0.000 χ^2/NDF : 25425410.0/12

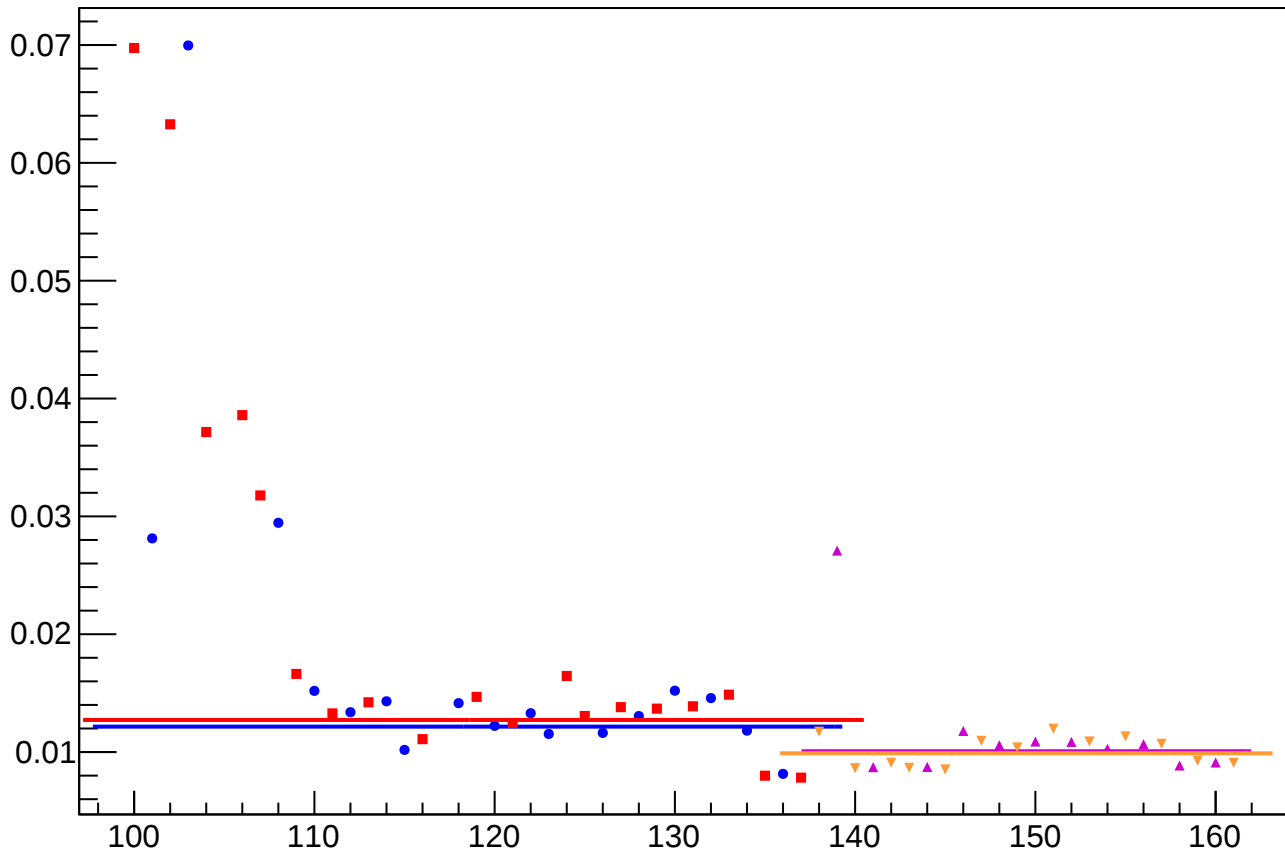
Right Out: -0.262 ± 0.000 χ^2/NDF : 1006263824.6/18

Left In: -0.433 ± 0.000 χ^2/NDF : 19331717.4/10

-0.393 ± 0.000 χ^2/NDF : 1514949036.7/29

-0.383 ± 0.000 χ^2/NDF : 1638863432.3/29

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 222791.6/12

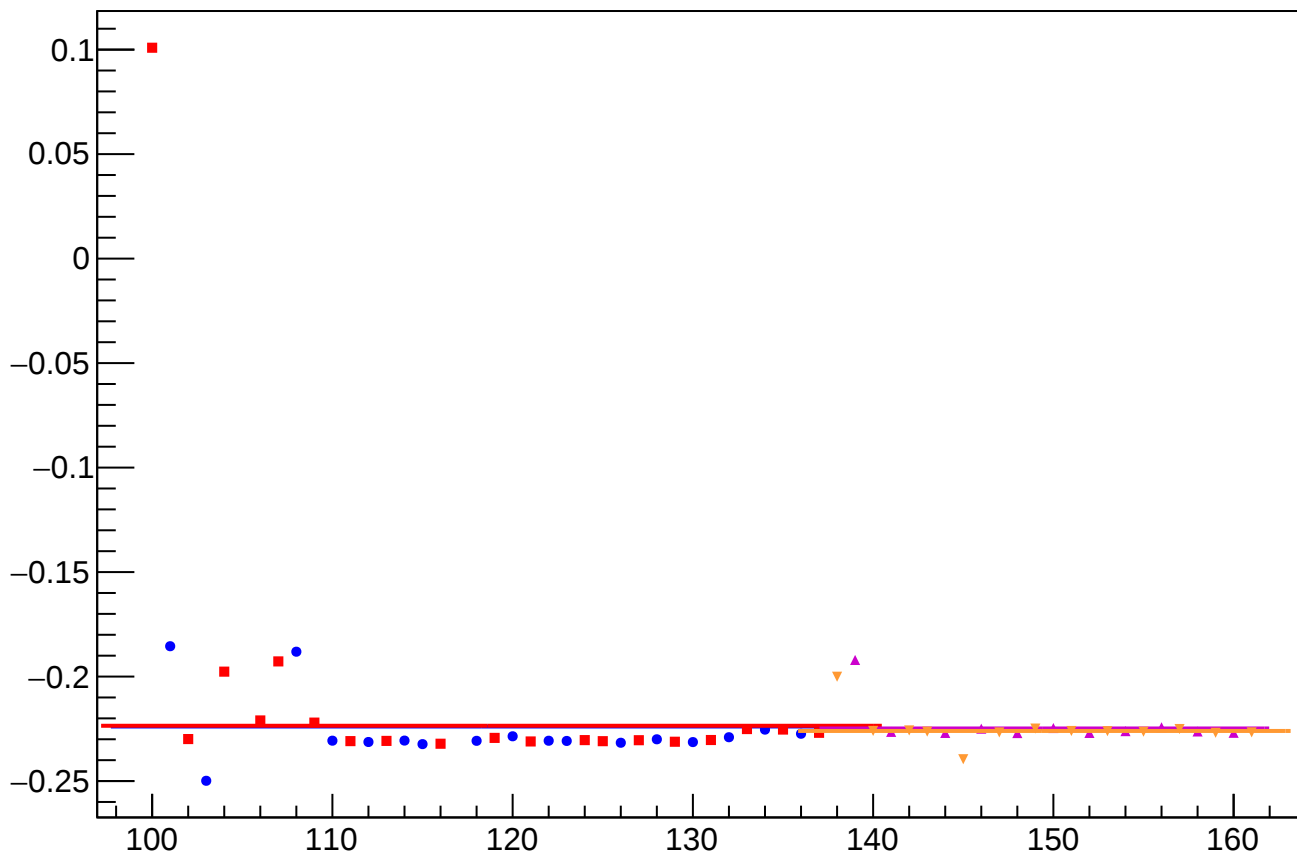
Right Out: 0.013+/-0.000 χ^2/NDF : 1967397.9/18

Left In: 0.010+/-0.000 χ^2/NDF : 716531.3/10

0.011+/-0.000 χ^2/NDF : 2178243.7/29

0.011+/-0.000 χ^2/NDF : 2981275.8/29

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 : 20575972.1/12

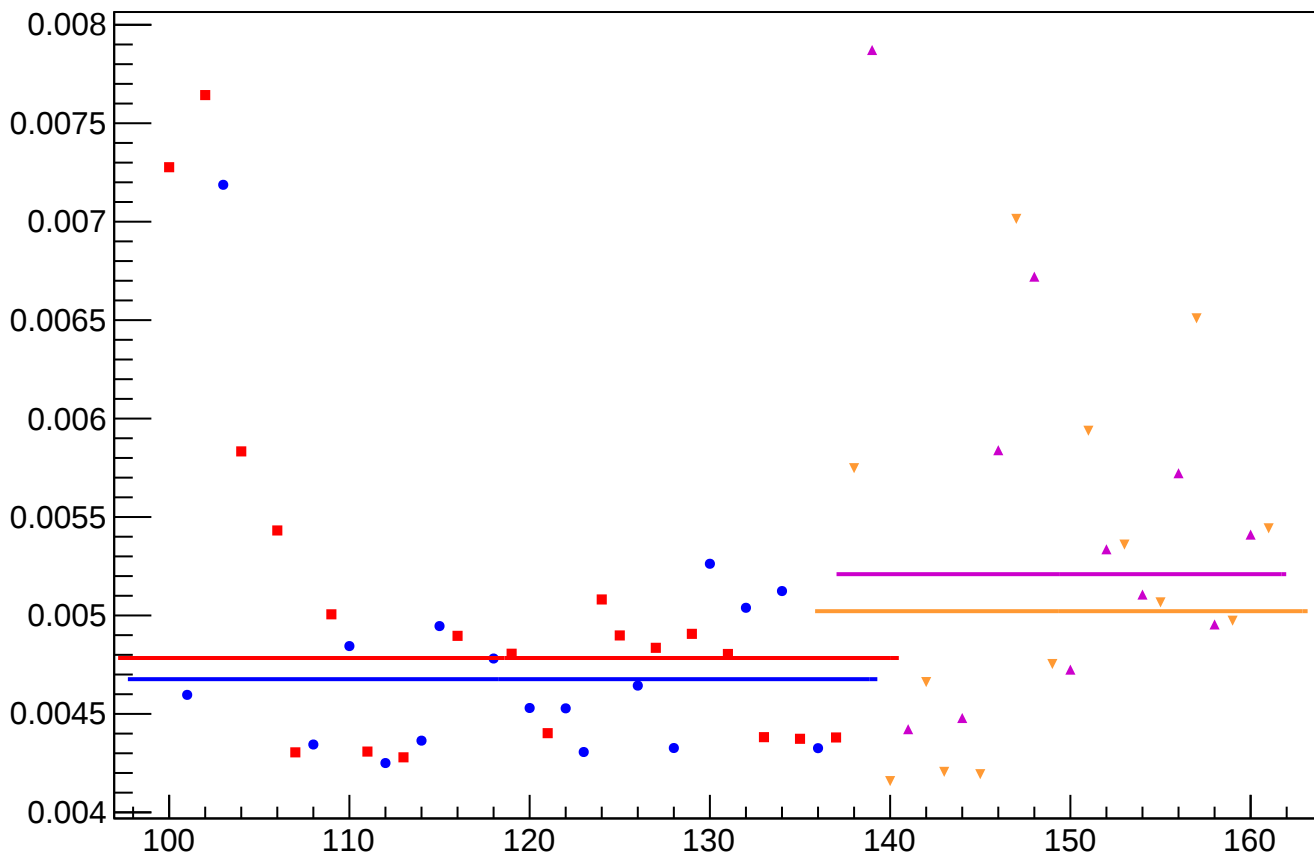
Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

Left In: -0.225+/-0.000 χ^2/NDF : 12647408.2/10

-0.225+/-0.000 χ^2/NDF : 95881619.7/29

-0.224+/-0.000 χ^2/NDF : 181017613.8/29

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 434077.0/12

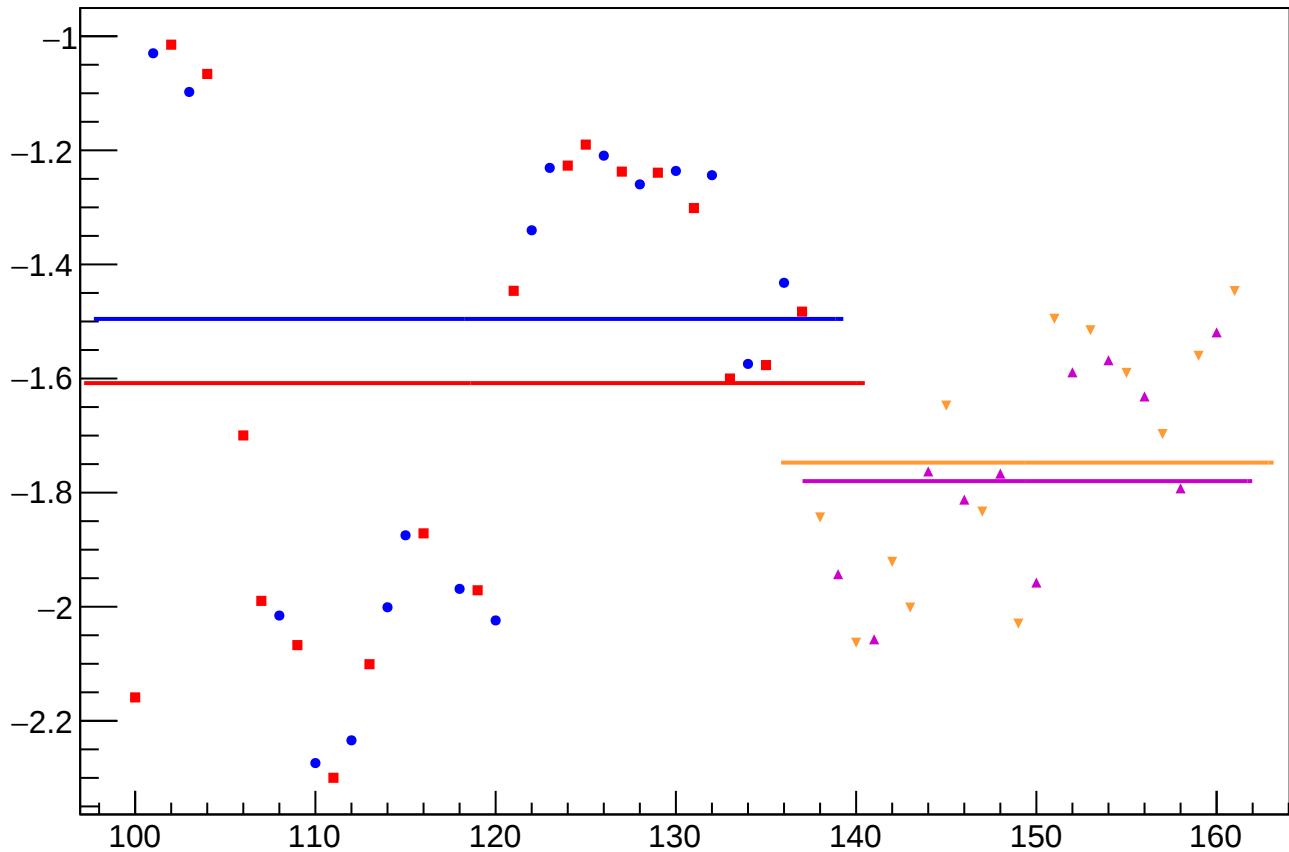
Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

Left In: 0.005+/-0.000 χ^2/NDF : 379152.1/10

0.005+/-0.000 χ^2/NDF : 651593.3/29

0.005+/-0.000 χ^2/NDF : 680365.7/29

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.747+/-0.000 χ^2/NDF : 11421240307.7/12

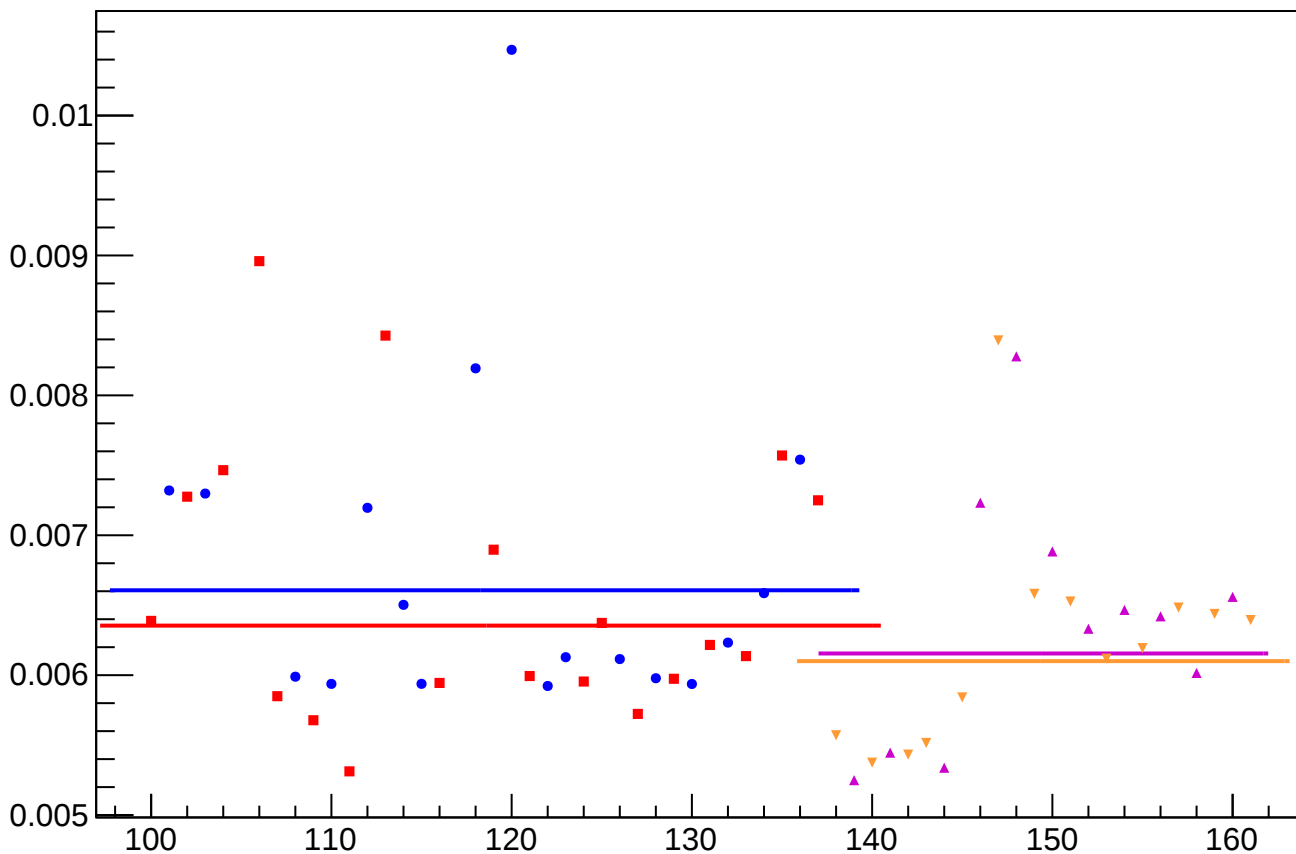
Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

Left In: -1.780+/-0.000 χ^2/NDF : 6518777647.2/10

-1.656+/-0.000 χ^2/NDF : 39550661073.6/29

-1.706+/-0.000 χ^2/NDF : 37128976413.0/29

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 : 202172.4/12

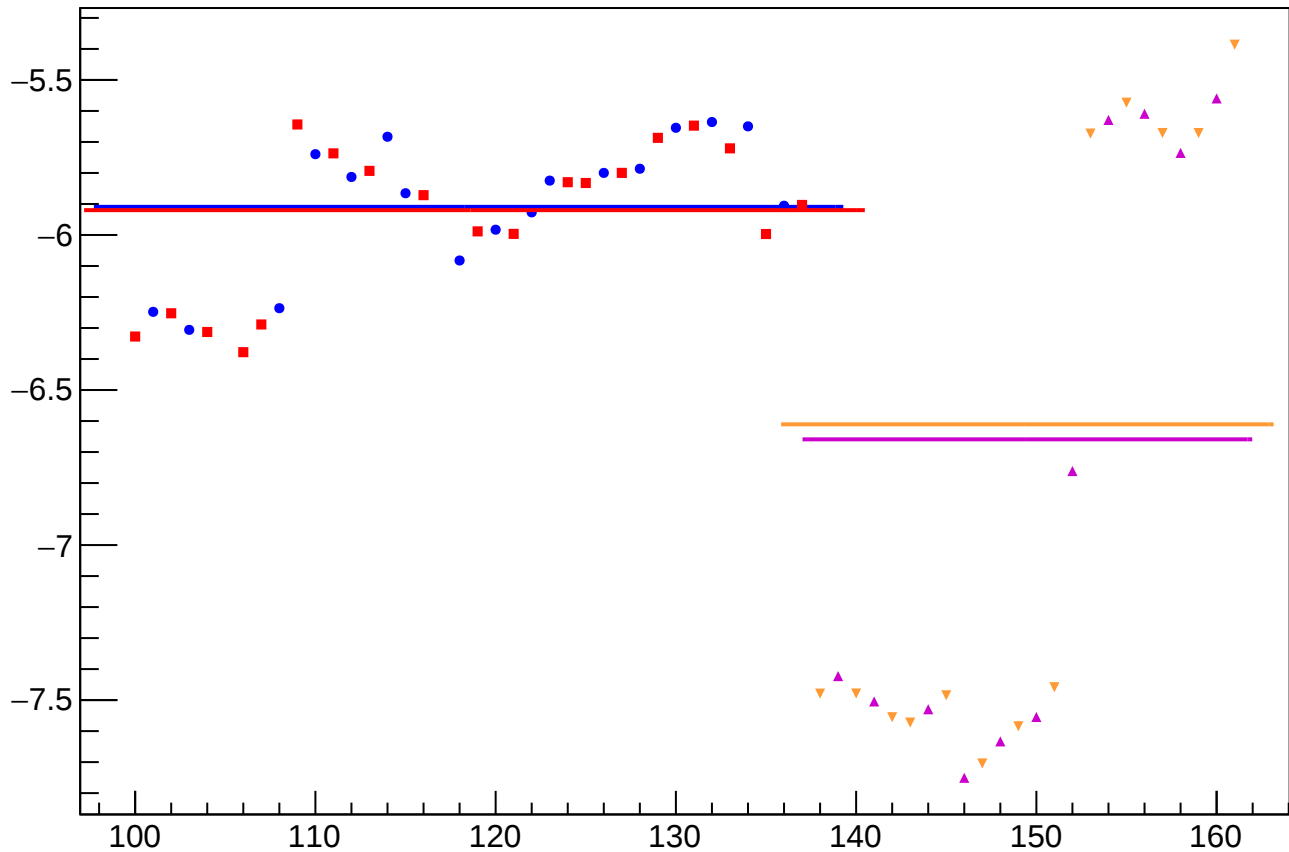
Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

Left In: 0.006+/-0.000 χ^2/NDF : 265320.8/10

0.006+/-0.000 χ^2/NDF : 448981.7/29

0.006+/-0.000 χ^2/NDF : 500013.7/29

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.611+/-0.000 χ^2/NDF : 123266554707.7/12

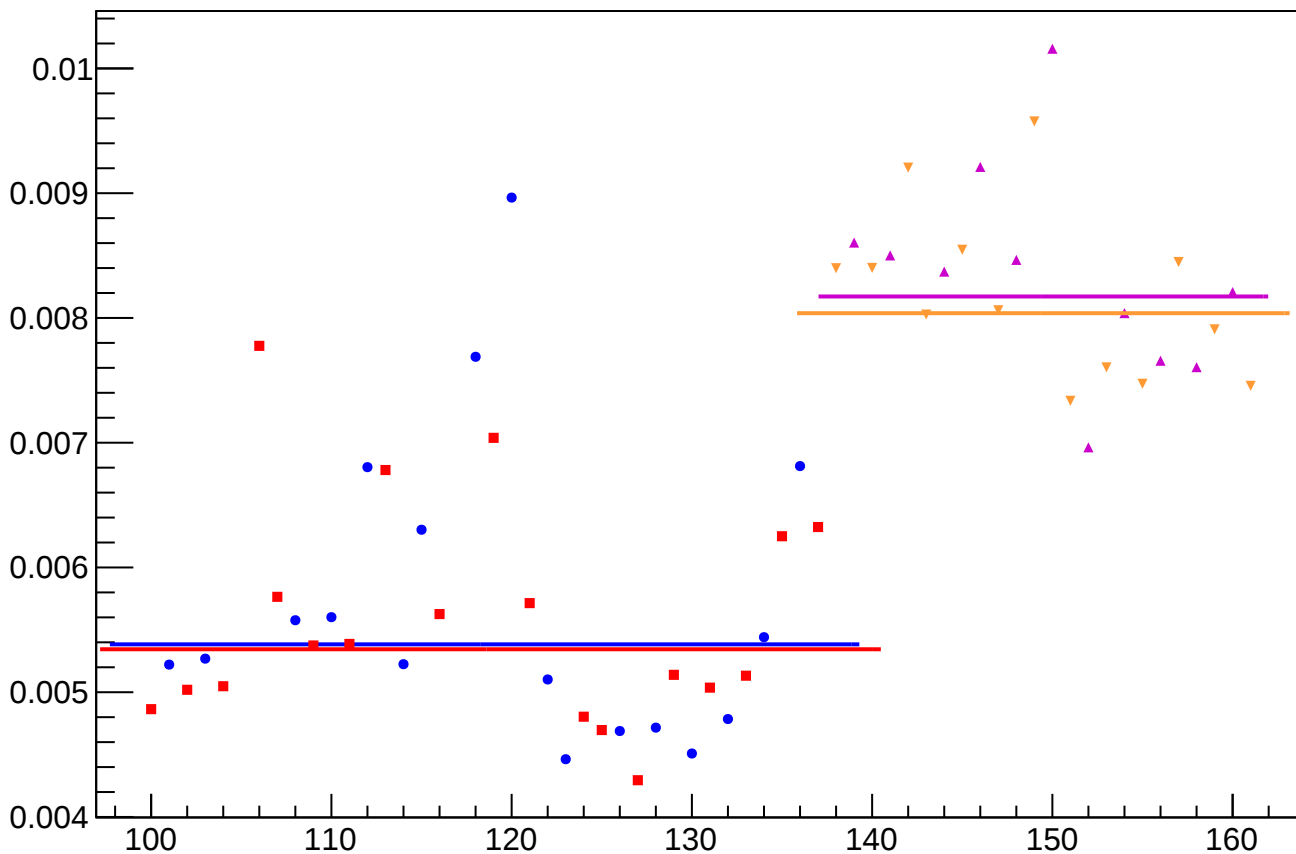
Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

Left In: -6.659+/-0.000 χ^2/NDF : 94597636570.9/10

-6.183+/-0.000 χ^2/NDF : 173145851213.7/29

-6.174+/-0.000 χ^2/NDF : 149264151478.9/29

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 :93317.0/12

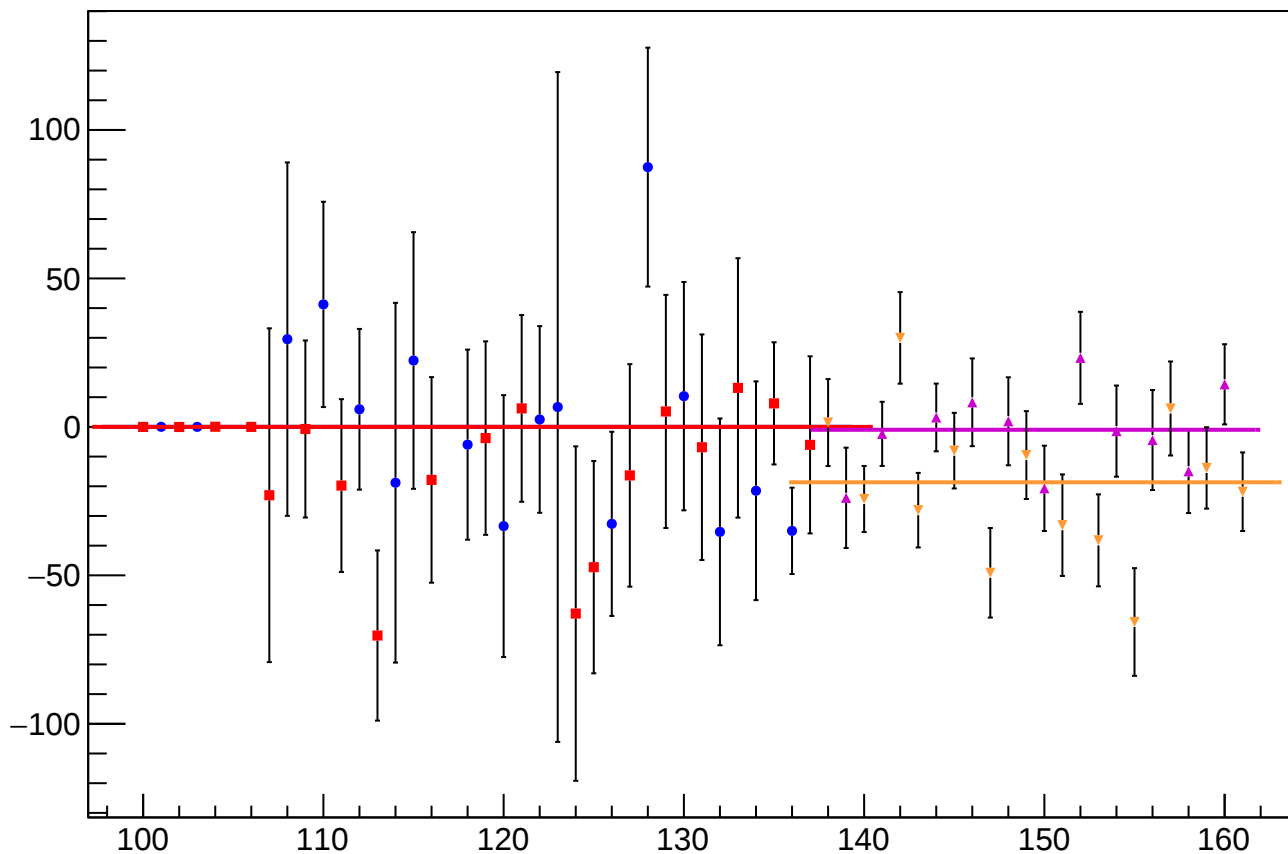
Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

Left In: 0.008+/-0.000 χ^2/NDF :139497.1/10

0.006+/-0.000 χ^2/NDF : 1550989.7/29

0.006+/-0.000 χ^2/NDF : 1610132.0/29

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -18.662 ± 3.951 χ^2/NDF : 29.5/12

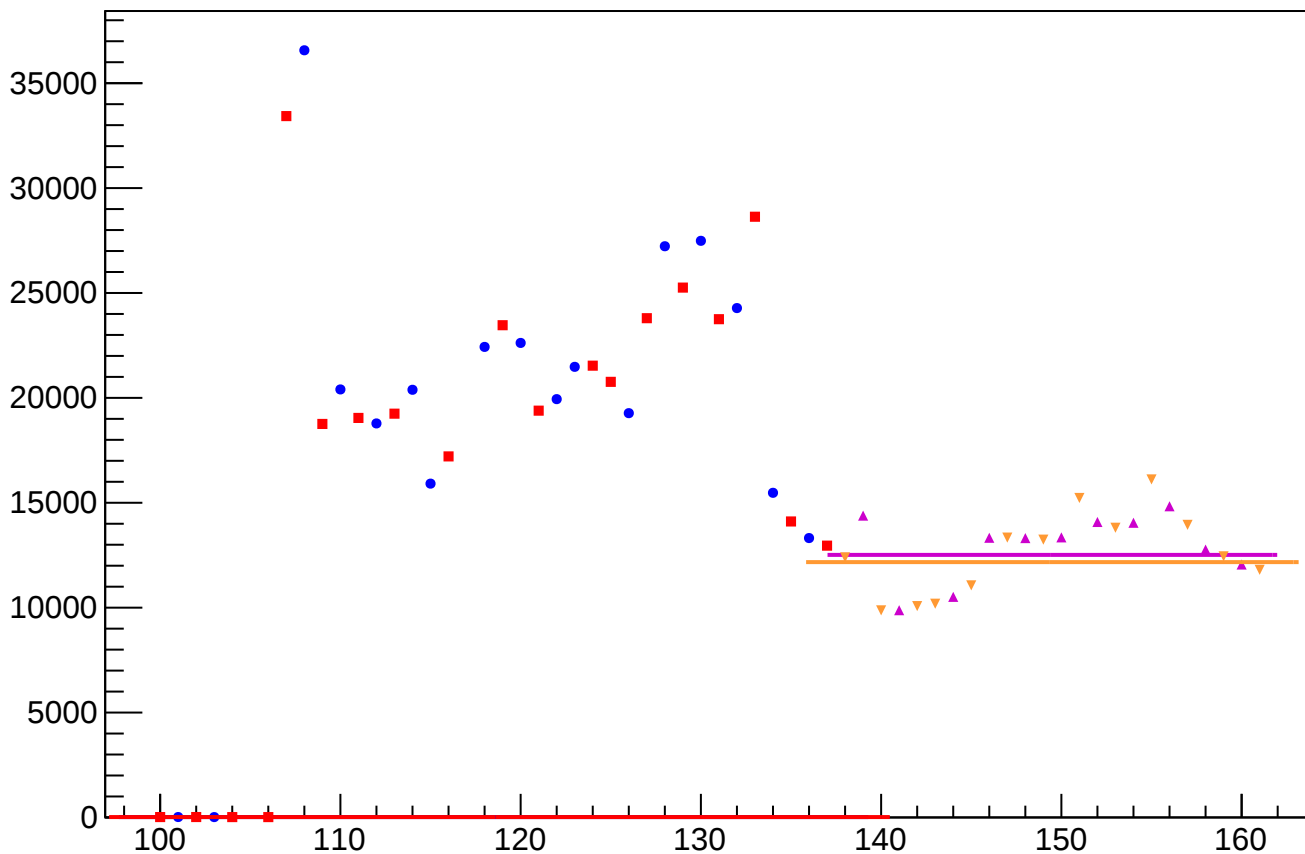
Right Out: 0.003 ± 0.016 χ^2/NDF : 15.3/18

Left In: -0.976 ± 4.219 χ^2/NDF : 9.1/10

0.013 ± 0.017 χ^2/NDF : 67.6/29

0.003 ± 0.016 χ^2/NDF : 24.4/29

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12171.395+/-2.794 χ^2/NDF : 418784.8/12

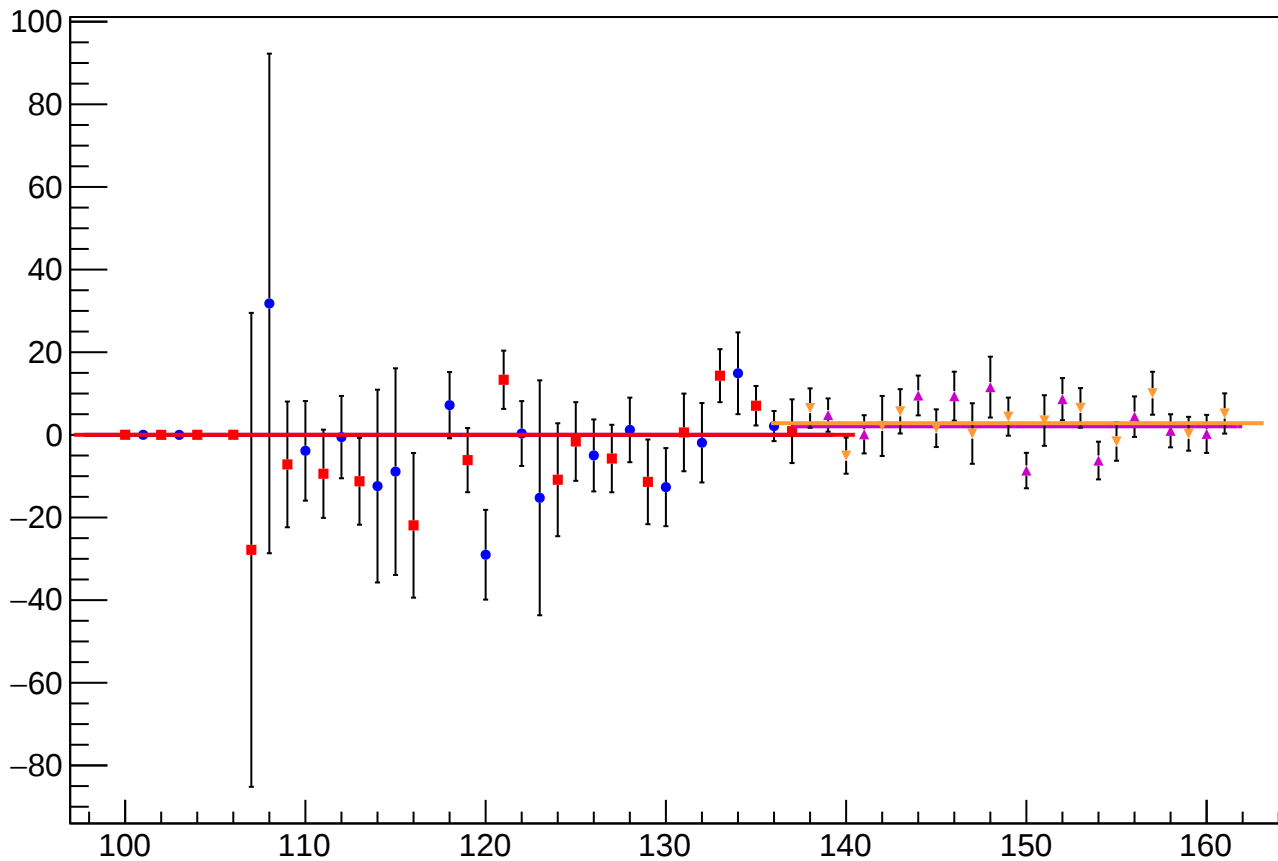
Right Out: 18.311+/-0.011 χ^2/NDF : 11103320.8/18

Left In: 12515.665+/-2.983 χ^2/NDF : 305040.5/10

18.875+/-0.012 χ^2/NDF : 30185113.5/29

18.493+/-0.011 χ^2/NDF : 28959693.5/29

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 2.821 $\pm$ 1.388 χ^2 /NDF:8.5/12

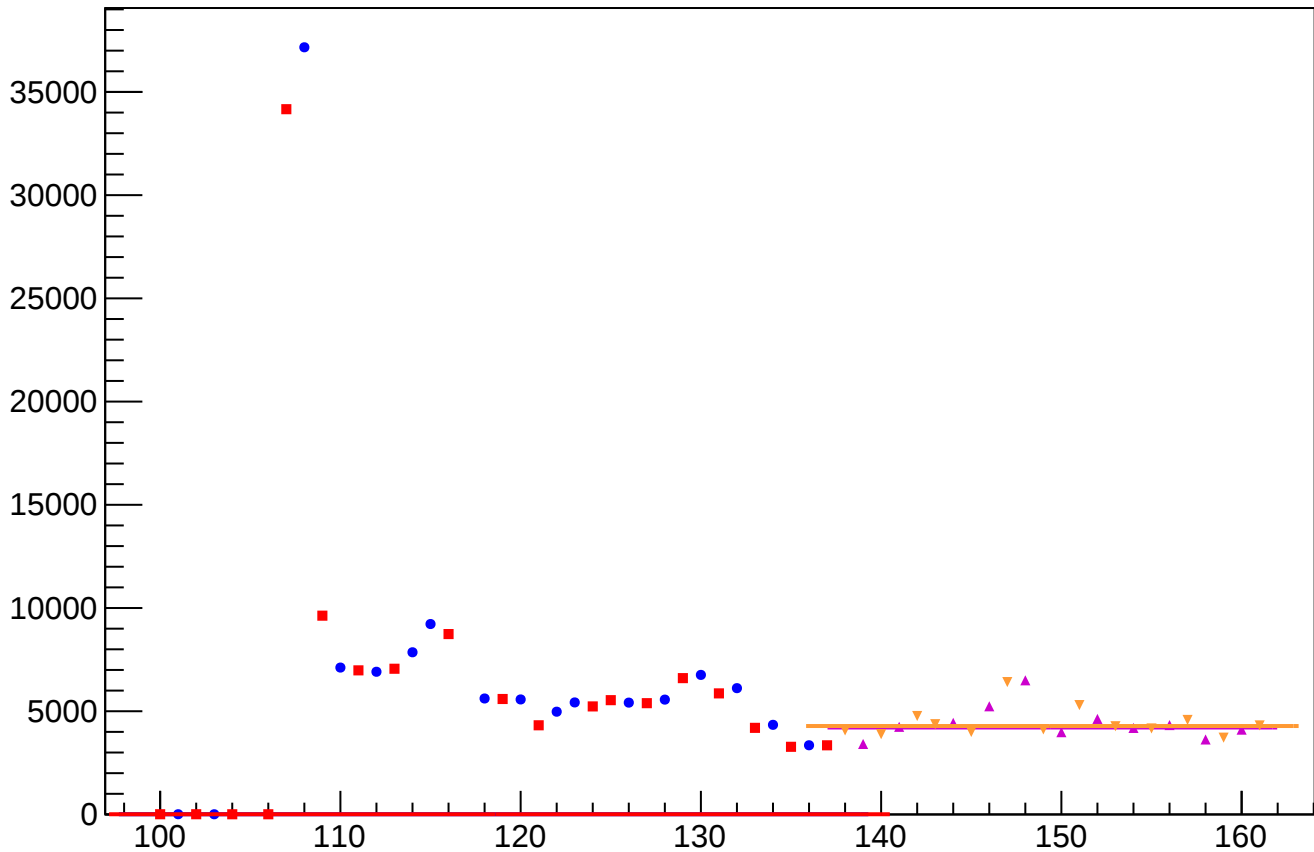
Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

Left In: 2.069 $\pm$ 1.428 χ^2 /NDF:17.9/10

0.001 $\pm$ 0.009 χ^2 /NDF: 27.5/29

0.014 $\pm$ 0.009 χ^2 /NDF: 38.3/29

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4283.749+/-0.982 χ^2/NDF : 309779.8/12

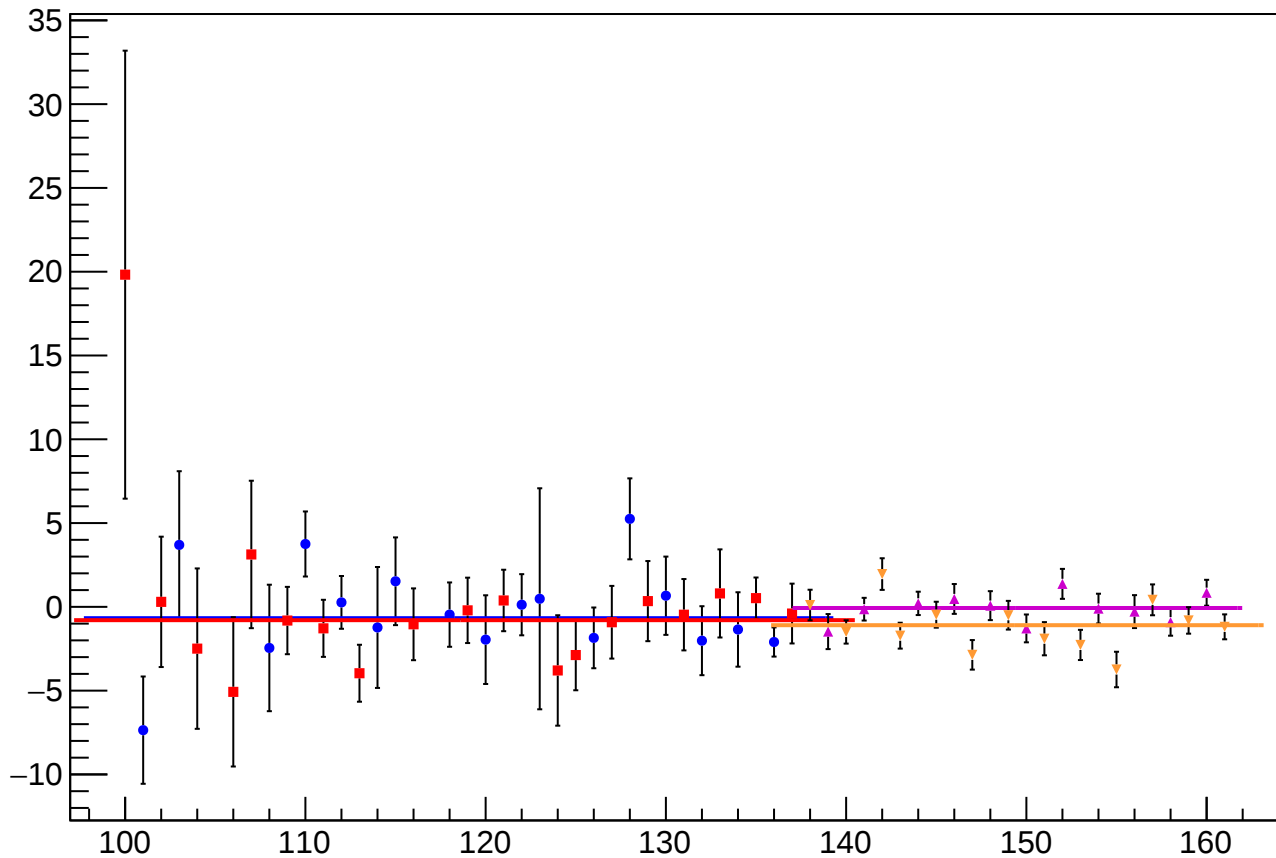
Right Out: 9.854+/-0.006 χ^2/NDF : 11152667.7/18

Left In: 4212.542+/-1.010 χ^2/NDF : 398768.2/10

10.126+/-0.007 χ^2/NDF : 30237337.9/29

10.008+/-0.006 χ^2/NDF : 28875259.4/29

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.095 ± 0.235 χ^2/NDF : 29.8/12

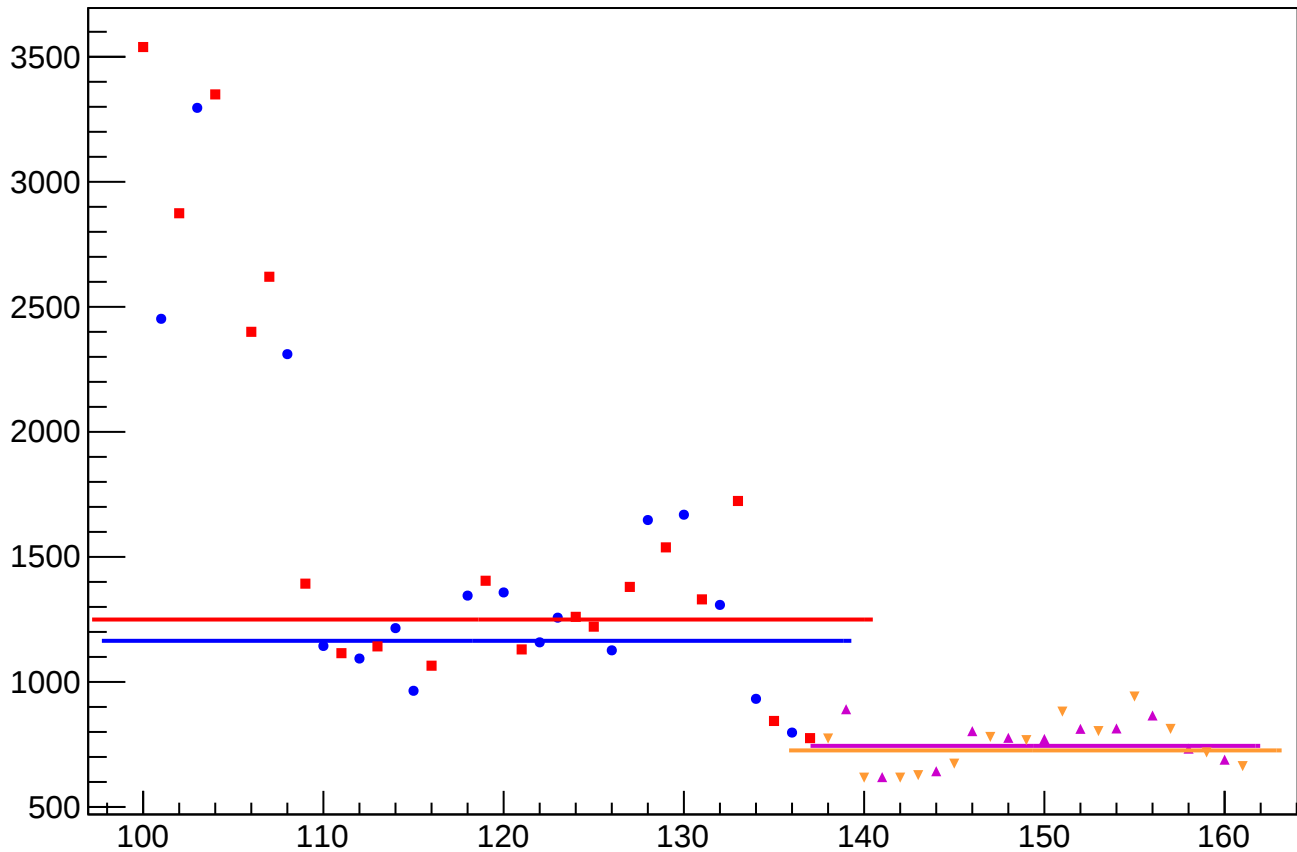
Right Out: -0.795 ± 0.501 χ^2/NDF : 12.0/18

Left In: -0.068 ± 0.250 χ^2/NDF : 9.7/10

-1.015 ± 0.211 χ^2/NDF : 52.7/29

-0.213 ± 0.224 χ^2/NDF : 23.3/29

diff_cav4cX_rms vs Slug



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 726.192+/-0.166 χ^2/NDF : 313980.8/12

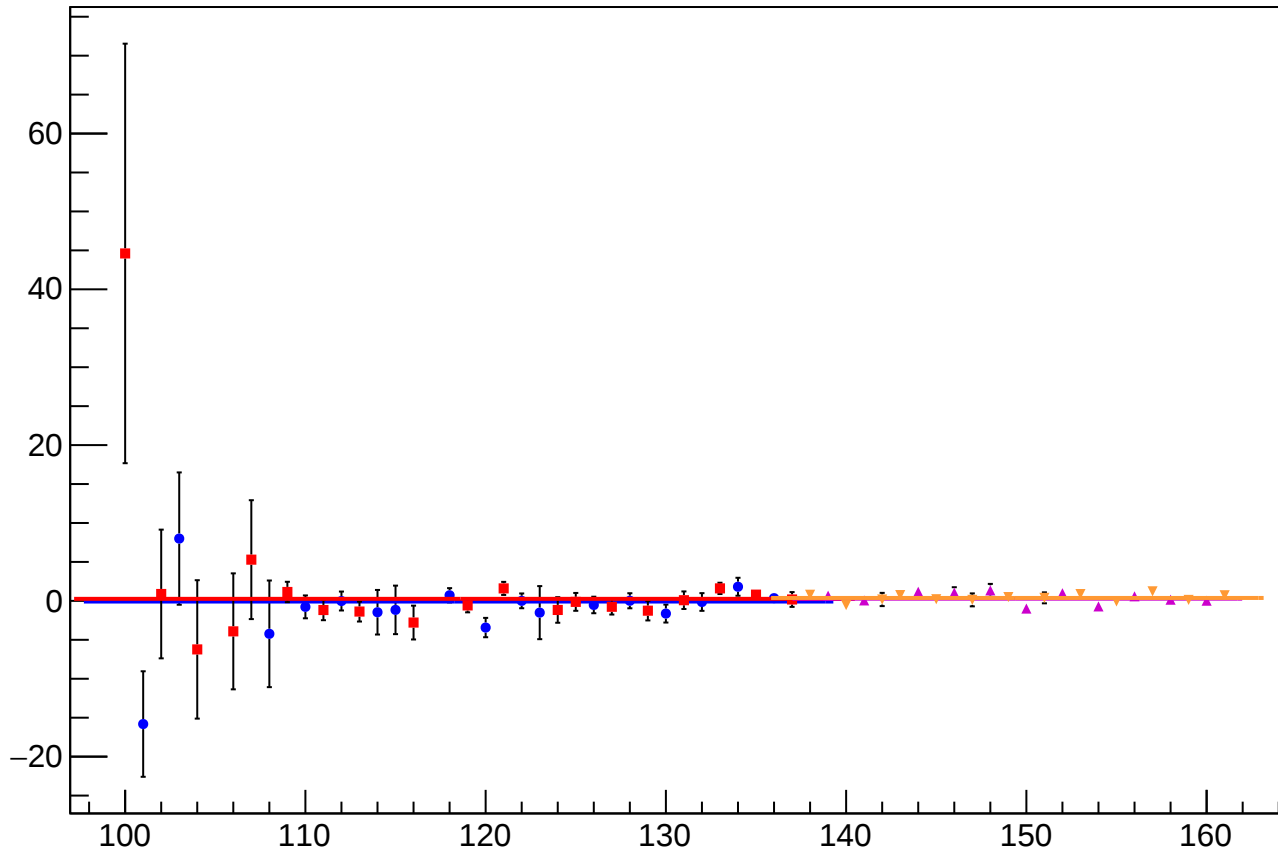
Right Out: 1249.596+/-0.354 χ^2/NDF : 1650133.1/18

Left In: 744.403+/-0.177 χ^2/NDF : 228526.6/10

809.734+/-0.149 χ^2/NDF : 3224743.9/29

845.202+/-0.158 χ^2/NDF : 3504624.7/29

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.373 ± 0.166 χ^2/NDF : 8.1/12

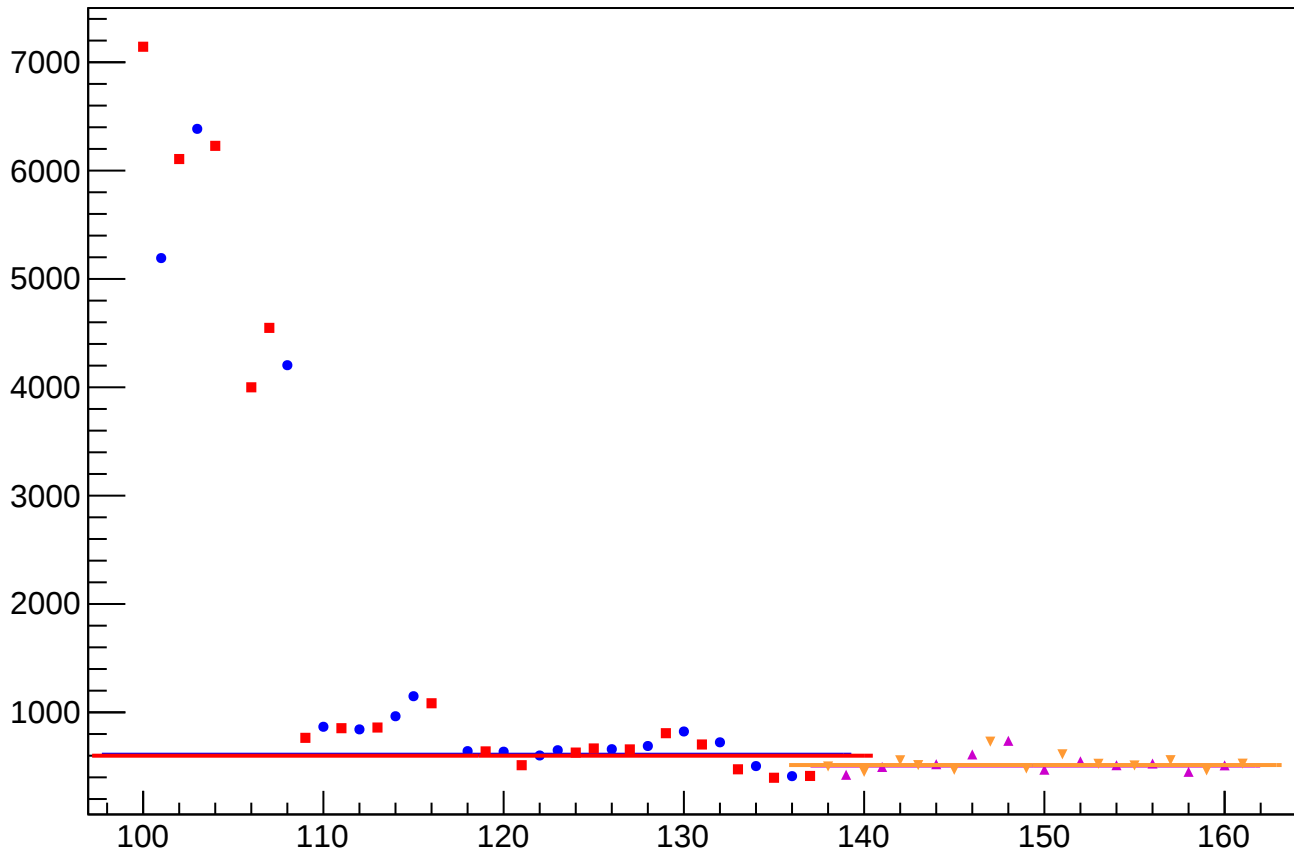
Right Out: 0.259 ± 0.264 χ^2/NDF : 20.4/18

Left In: 0.282 ± 0.172 χ^2/NDF : 17.5/10

0.247 ± 0.142 χ^2/NDF : 31.3/29

0.276 ± 0.144 χ^2/NDF : 37.9/29

diff_cav4cY_rms vs Slug



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 513.598+/-0.117 χ^2/NDF : 262947.5/12

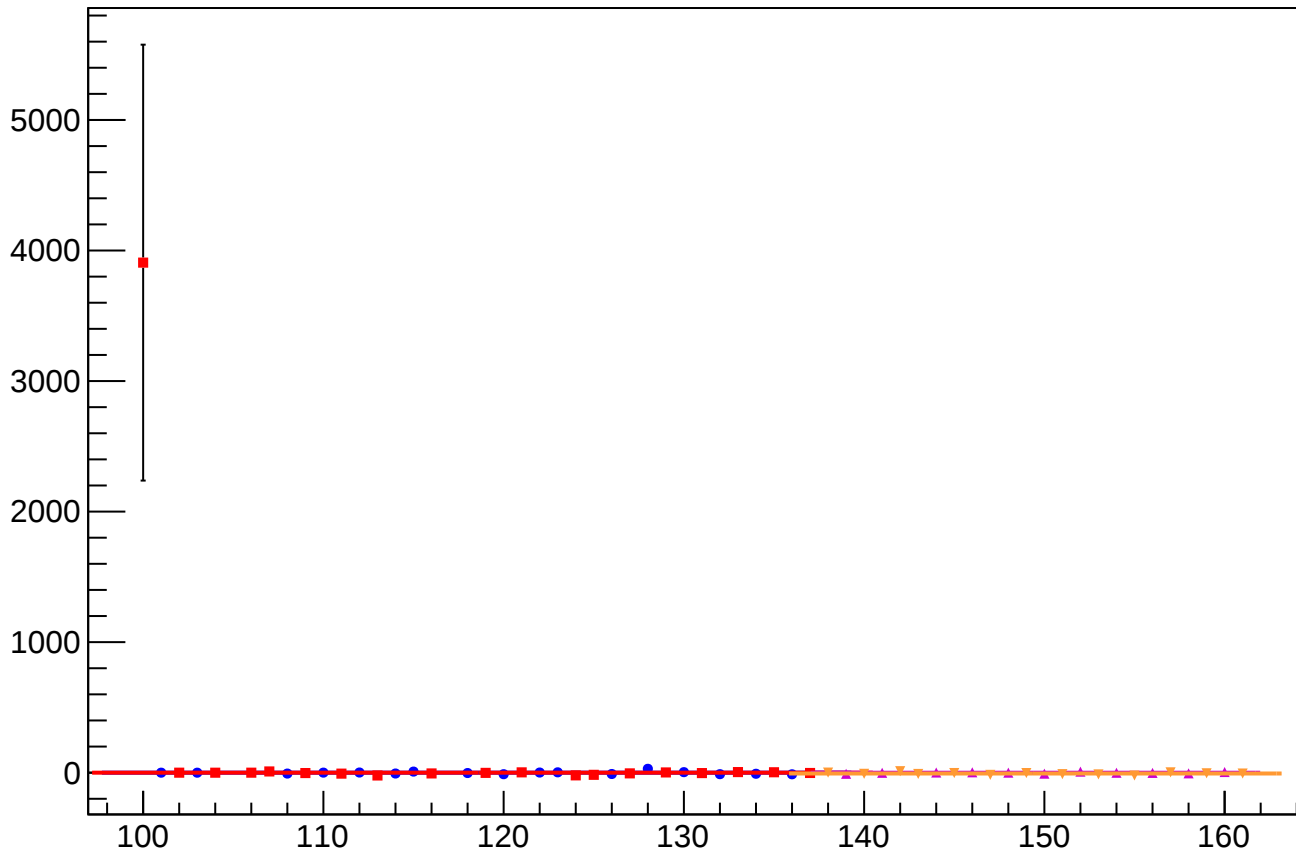
539.777+/-0.100 χ^2/NDF : 3583225.5/29

Right Out: 599.910+/-0.187 χ^2/NDF : 3547599.8/18

535.877+/-0.102 χ^2/NDF : 4017749.8/29

Left In: 508.792+/-0.122 χ^2/NDF : 303147.8/10

diff_cav4dX_mean vs Slug



Right In: -0.022+/-0.021 χ^2 /NDF: 15.3/16

Left Out: -6.287+/-1.367 χ^2 /NDF: 29.8/12

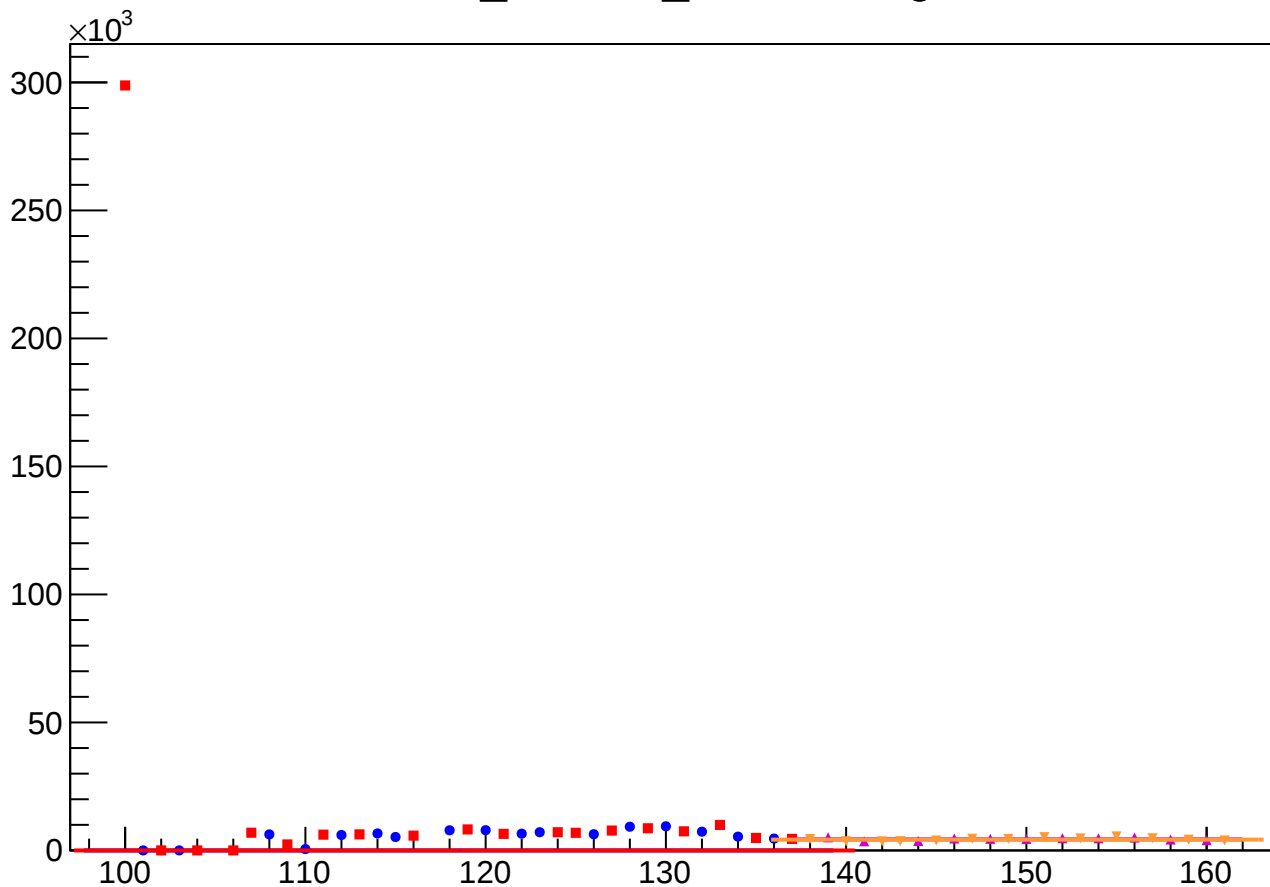
Right Out: -0.027+/-0.020 χ^2 /NDF: 17.3/18

Left In: -0.358+/-1.458 χ^2 /NDF: 9.6/10

-0.023+/-0.021 χ^2 /NDF: 66.0/29

-0.027+/-0.020 χ^2 /NDF: 26.9/29

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4223.046 $\pm$ 0.967 χ^2 /NDF: 333390.4/12

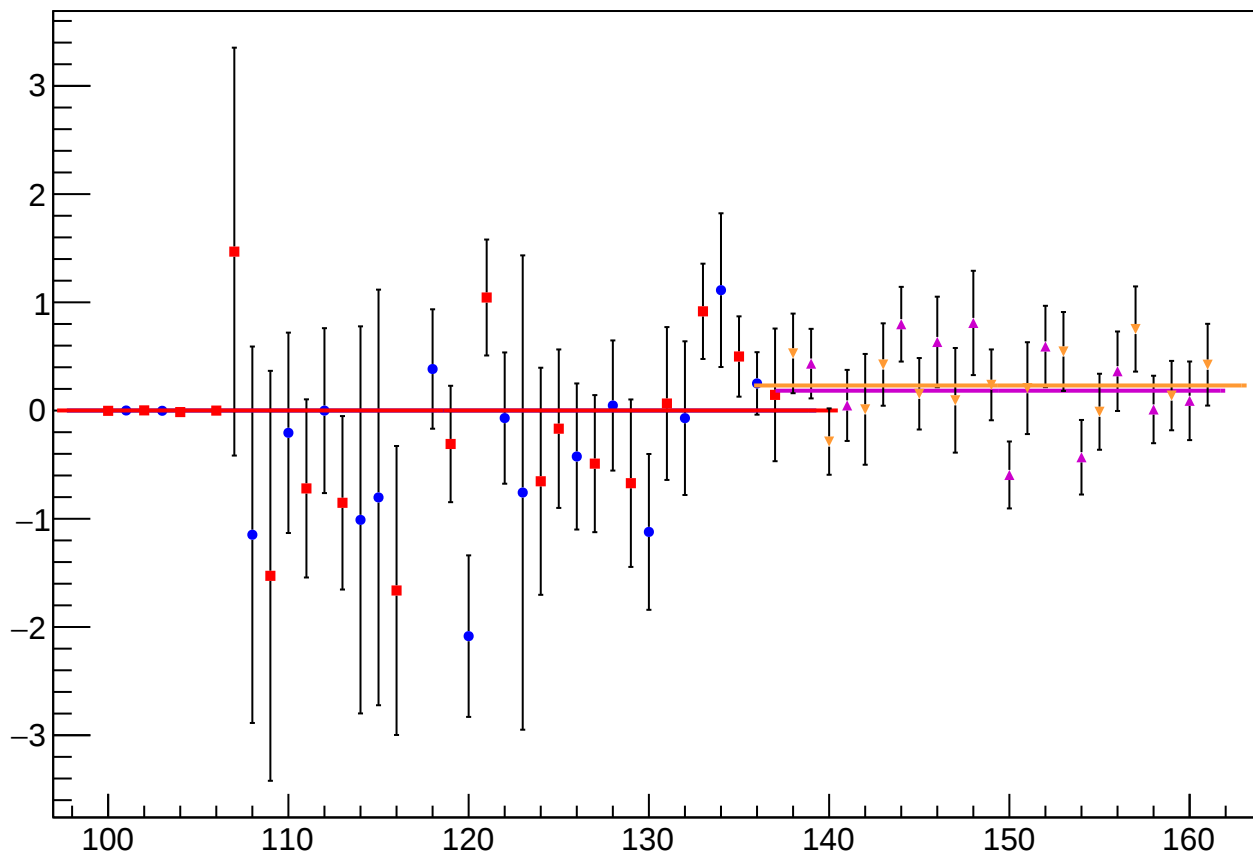
Right Out: 17.268 $\pm$ 0.014 χ^2 /NDF: 10813350.8/18

Left In: 4335.271 $\pm$ 1.031 χ^2 /NDF: 240182.4/10

18.310 $\pm$ 0.015 χ^2 /NDF: 29616238.6/29

18.062 $\pm$ 0.014 χ^2 /NDF: 28591151.7/29

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.232 ± 0.102 χ^2/NDF : 7.4/12

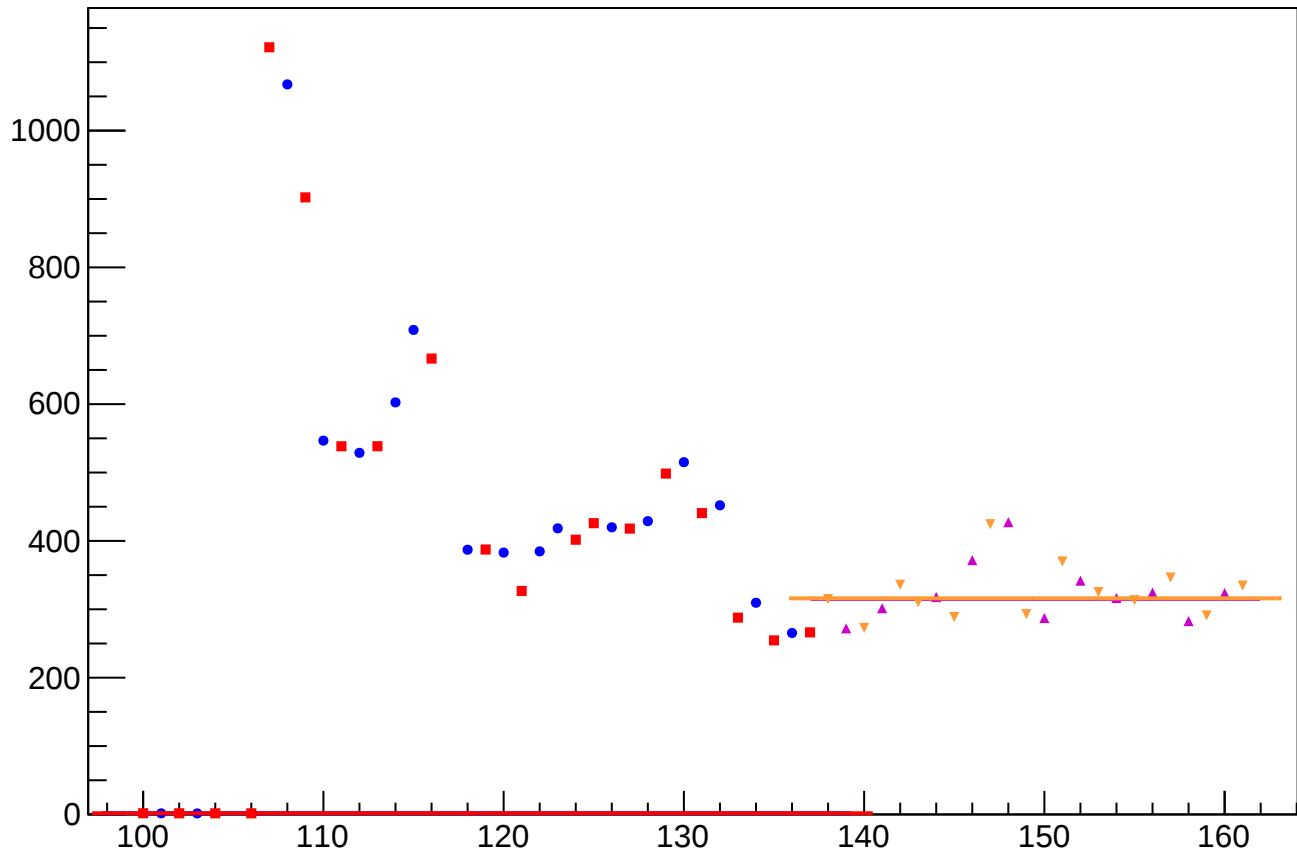
Right Out: 0.001 ± 0.002 χ^2/NDF : 17.8/18

Left In: 0.183 ± 0.106 χ^2/NDF : 18.1/10

0.000 ± 0.002 χ^2/NDF : 28.2/29

0.001 ± 0.002 χ^2/NDF : 38.9/29

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 316.015 $\pm$ 0.072 χ^2 /NDF: 230338.4/12

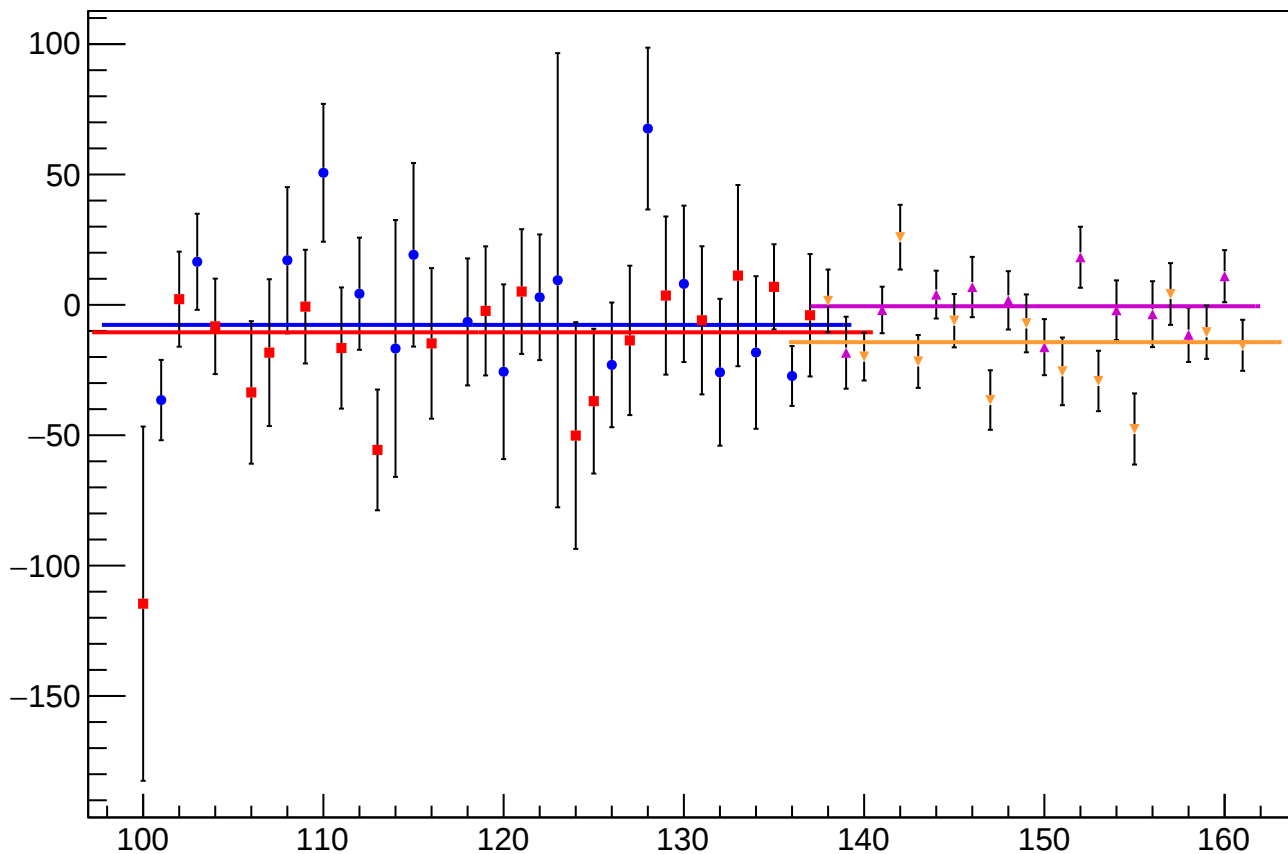
Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

Left In: 315.145 $\pm$ 0.075 χ^2 /NDF: 235193.6/10

1.822 $\pm$ 0.001 χ^2 /NDF: 30086039.0/29

1.833 $\pm$ 0.001 χ^2 /NDF: 28374707.5/29

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -14.313 ± 3.067 χ^2/NDF : 28.9/12

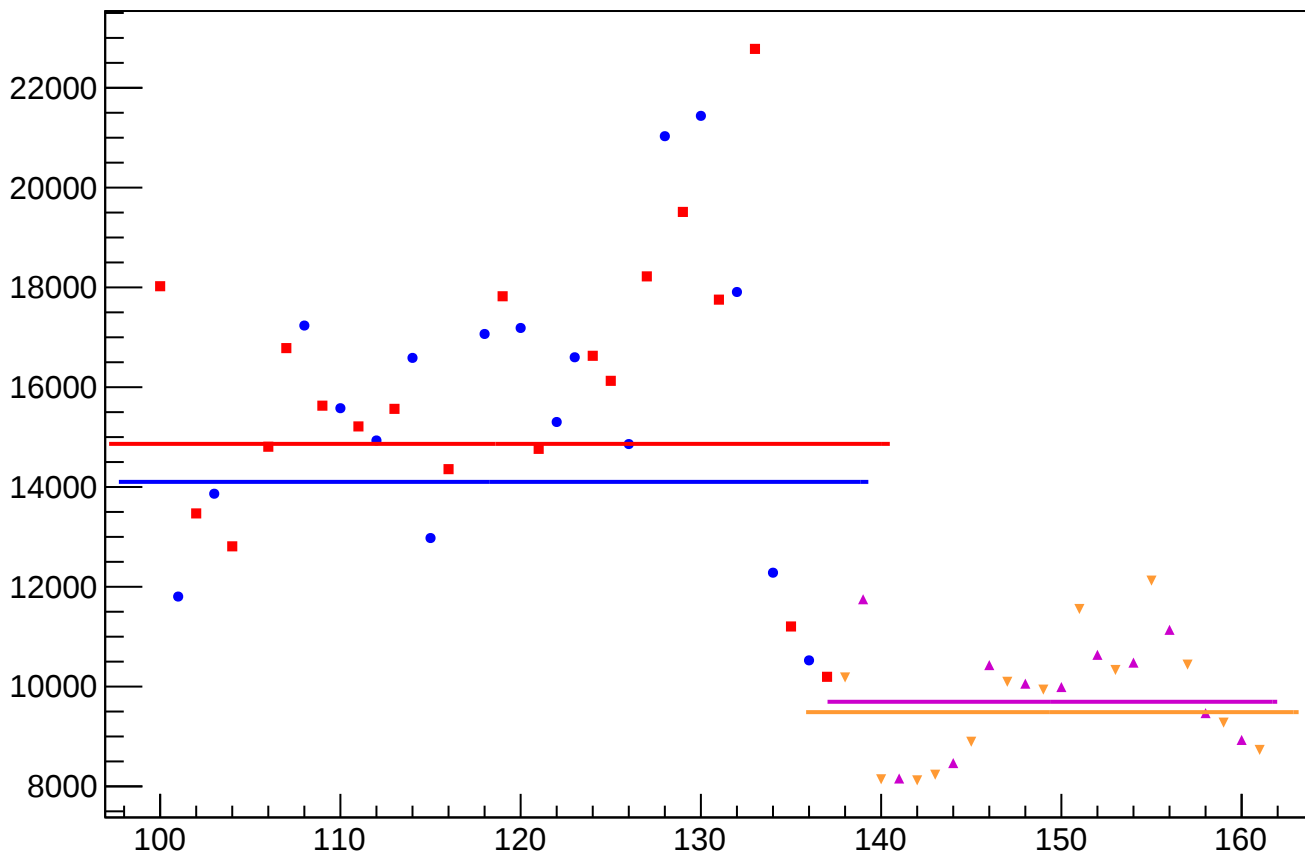
Right Out: -10.524 ± 5.682 χ^2/NDF : 11.9/18

Left In: -0.528 ± 3.258 χ^2/NDF : 9.6/10

-12.795 ± 2.693 χ^2/NDF : 52.4/29

-3.002 ± 2.827 χ^2/NDF : 23.8/29

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9487.834+/-2.169 χ^2/NDF : 282115.9/12

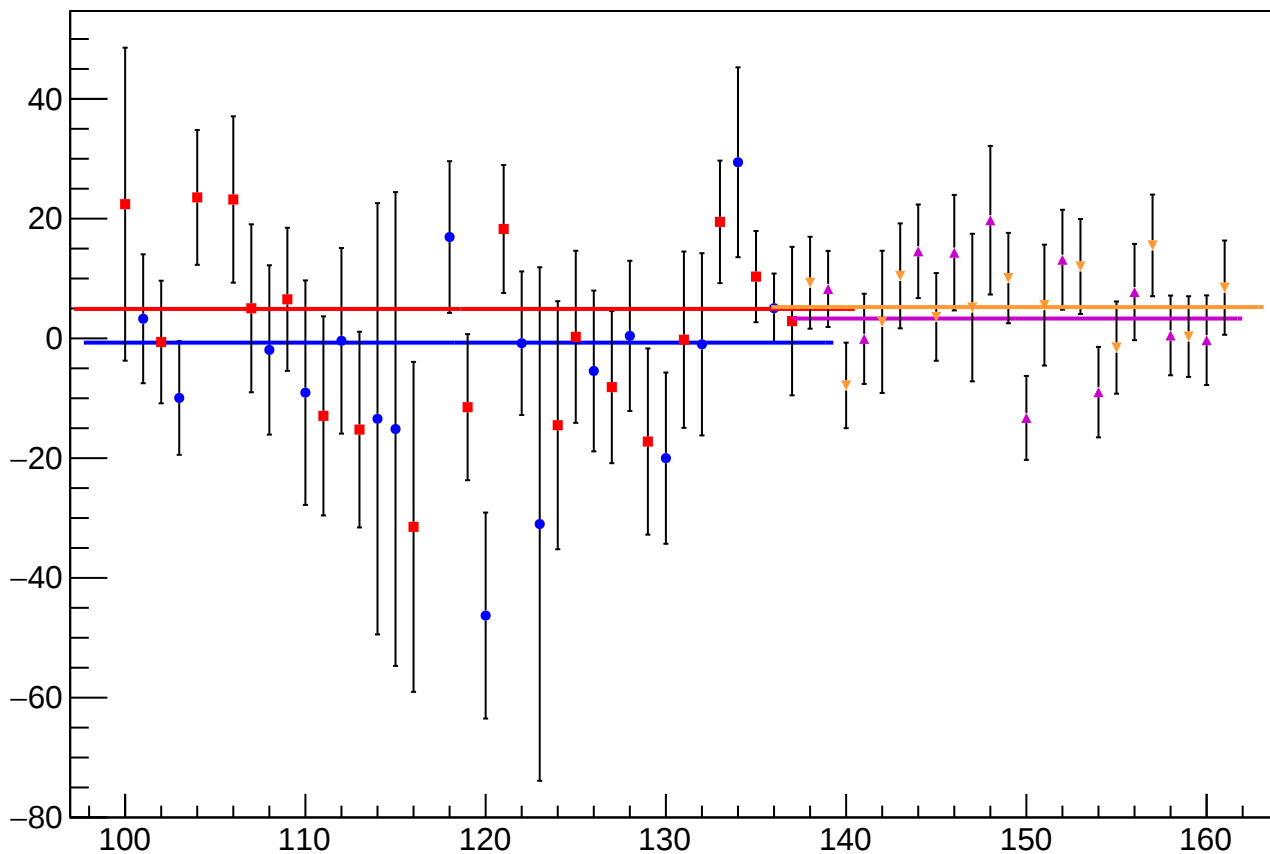
10544.731+/-1.904 χ^2/NDF : 1918021.3/29

Right Out: 14864.163+/-4.018 χ^2/NDF : 470280.3/18

10974.457+/-1.999 χ^2/NDF : 1927944.3/29

Left In: 9695.435+/-2.304 χ^2/NDF : 212316.8/10

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 5.233 ± 2.270 χ^2/NDF : 8.2/12

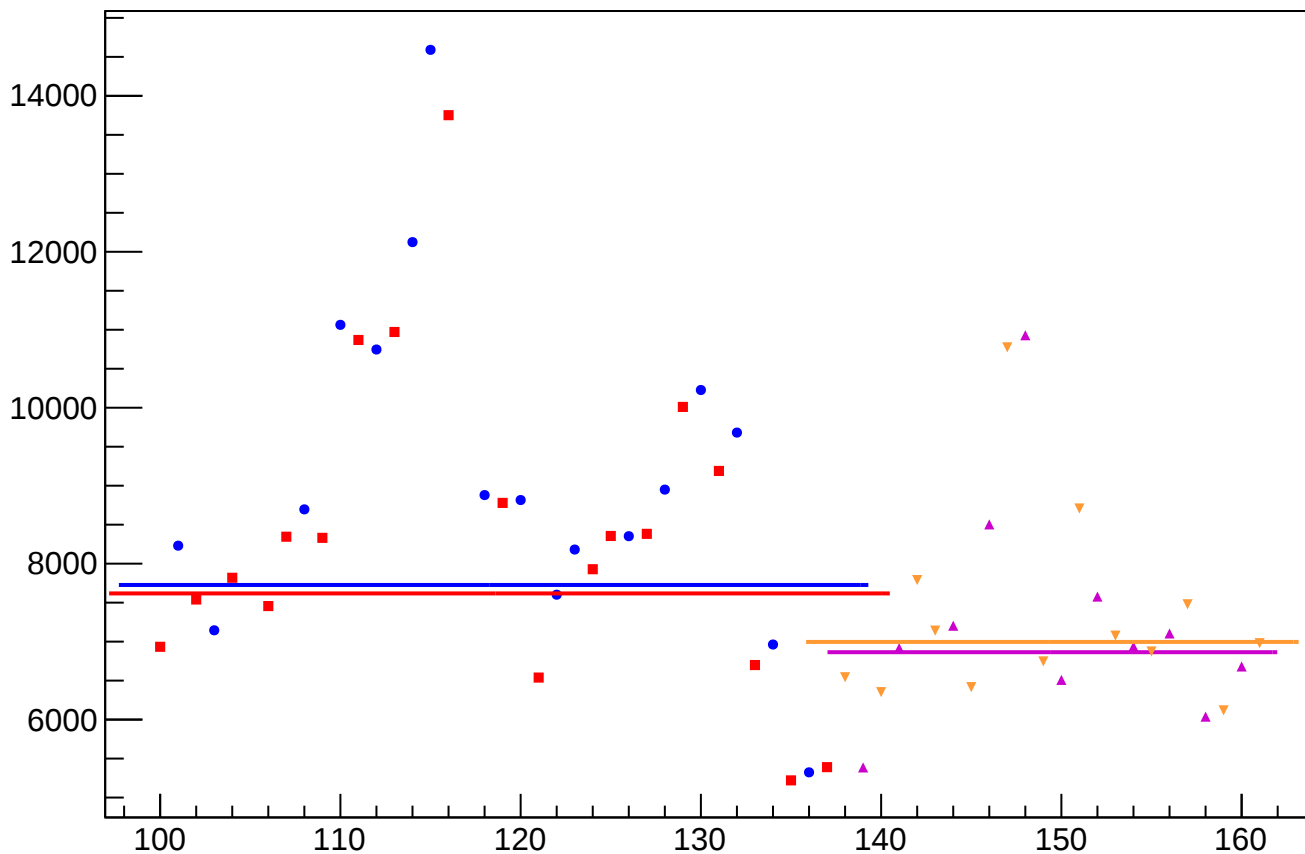
Right Out: 4.918 ± 2.940 χ^2/NDF : 19.8/18

Left In: 3.315 ± 2.331 χ^2/NDF : 16.3/10

3.146 ± 1.828 χ^2/NDF : 28.1/29

3.934 ± 1.826 χ^2/NDF : 36.2/29

diff_bpm4aY_rms vs Slug



Right In: 7726.745 $\pm$ 2.180 χ^2/NDF : 742512.8/16

Left Out: 6996.010 $\pm$ 1.605 χ^2/NDF : 334075.1/12

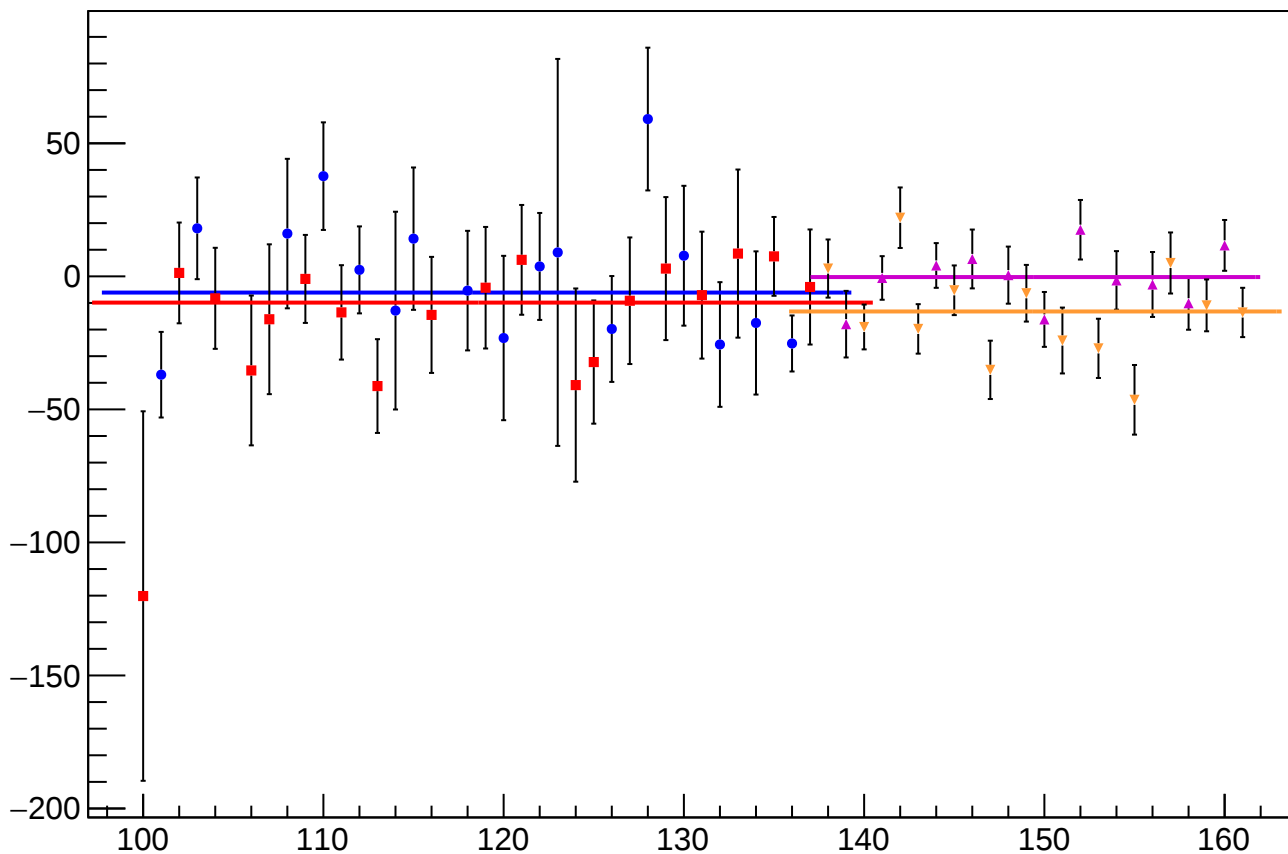
Right Out: 7618.206 $\pm$ 2.079 χ^2/NDF : 675125.4/18

Left In: 6864.353 $\pm$ 1.648 χ^2/NDF : 438189.6/10

7252.769 $\pm$ 1.292 χ^2/NDF : 1149442.2/29

7155.330 $\pm$ 1.291 χ^2/NDF : 1194080.1/29

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -13.197 ± 2.879 χ^2/NDF : 29.2/12

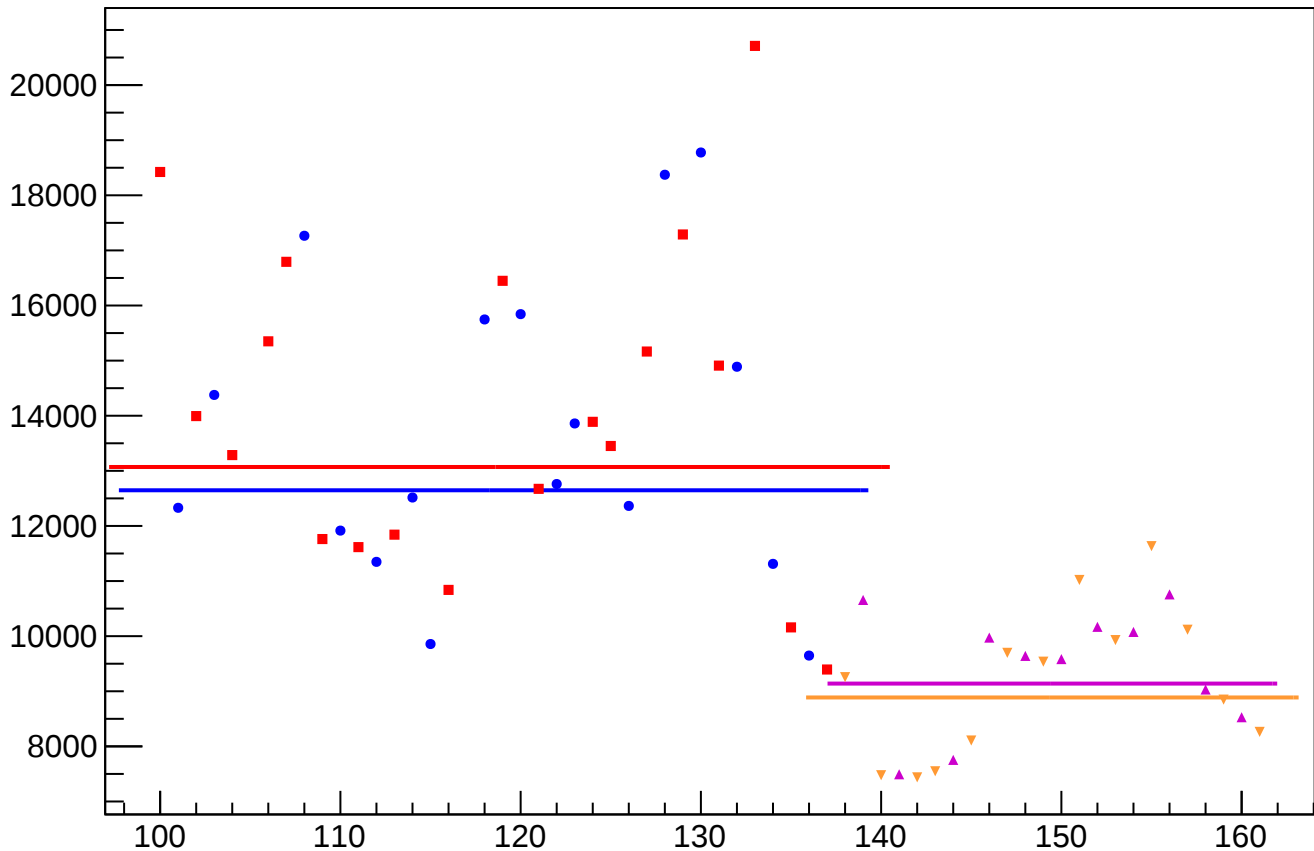
Right Out: -9.864 ± 5.004 χ^2/NDF : 11.6/18

Left In: -0.265 ± 3.075 χ^2/NDF : 10.2/10

-11.445 ± 2.499 χ^2/NDF : 53.6/29

-2.897 ± 2.620 χ^2/NDF : 24.5/29

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8887.499+/-2.036 χ^2/NDF : 361754.7/12

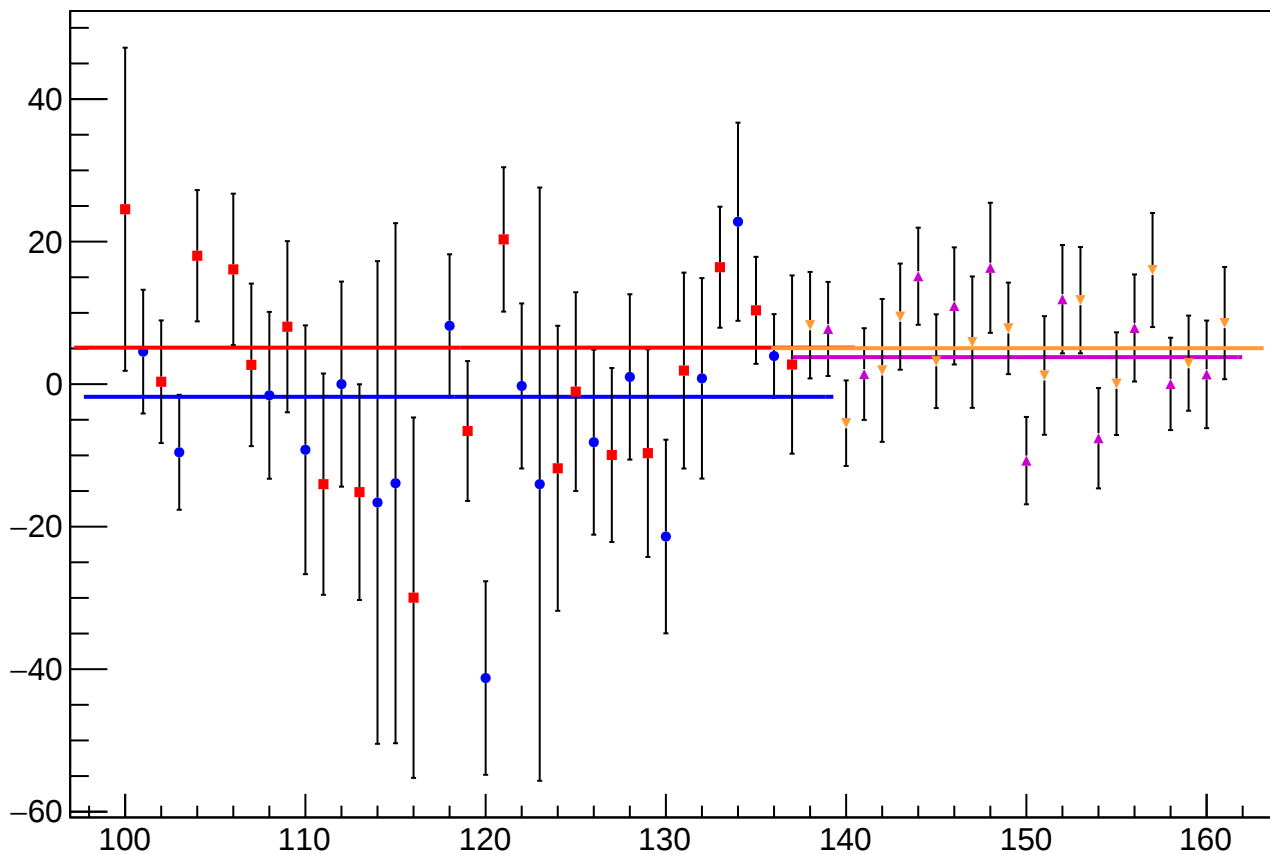
Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

Left In: 9139.419+/-2.175 χ^2/NDF : 258926.0/10

9814.424+/-1.767 χ^2/NDF : 1756768.1/29

10217.137+/-1.853 χ^2/NDF : 1650970.6/29

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 5.046 ± 2.047 χ^2/NDF : 7.7/12

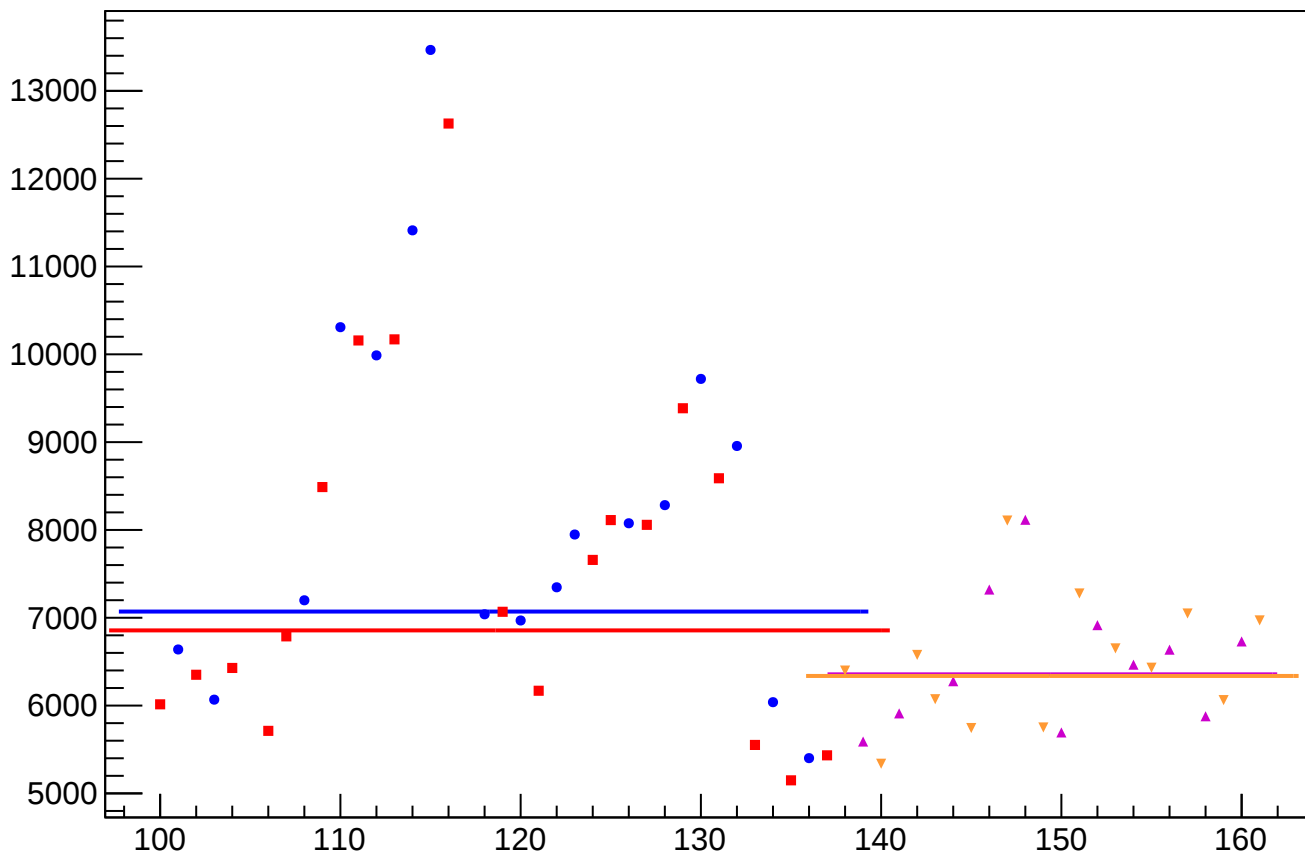
Right Out: 5.122 ± 2.642 χ^2/NDF : 18.9/18

Left In: 3.789 ± 2.139 χ^2/NDF : 16.0/10

2.676 ± 1.654 χ^2/NDF : 29.5/29

4.317 ± 1.662 χ^2/NDF : 35.1/29

diff_bpm4eY_rms vs Slug



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6337.359 $\pm$ 1.448 χ^2 /NDF: 227347.2/12

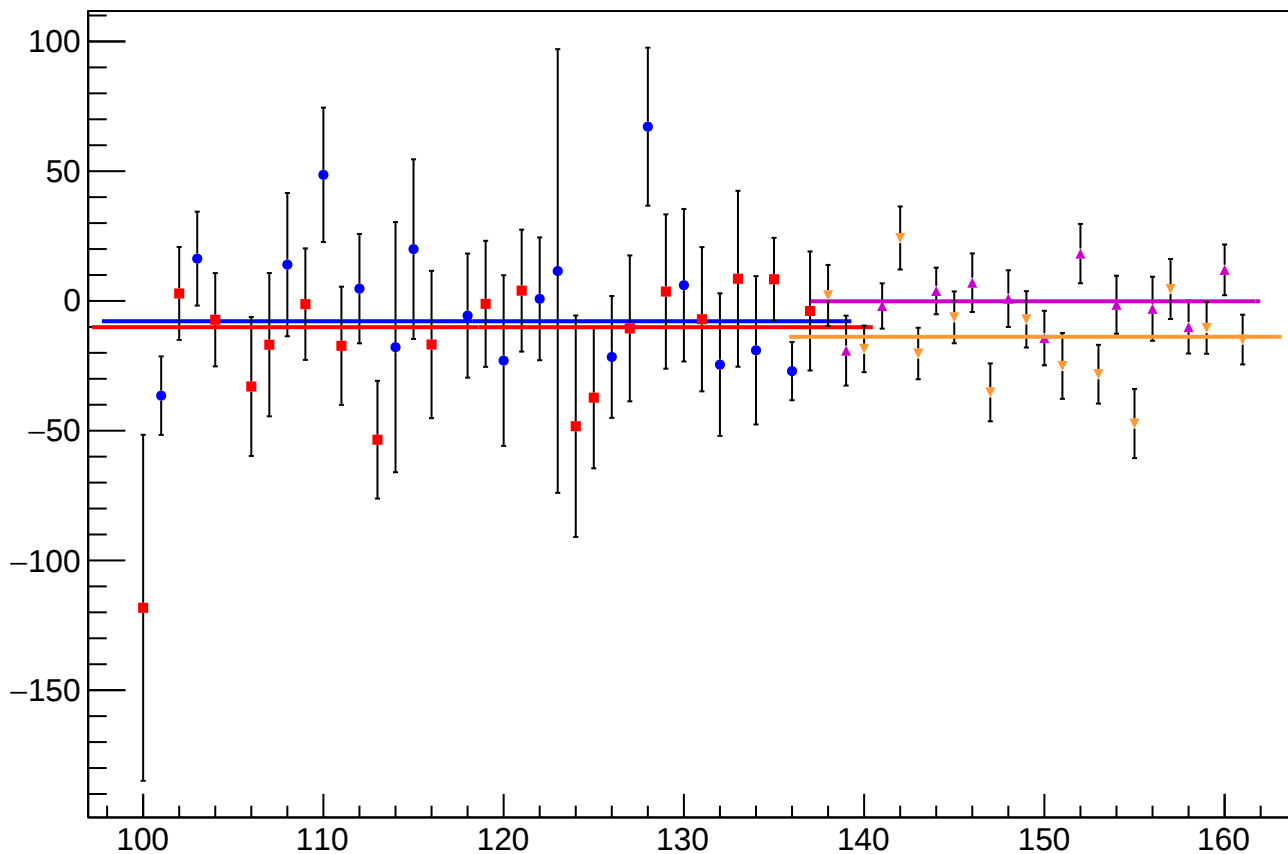
Right Out: 6856.136 $\pm$ 1.868 χ^2 /NDF: 682220.3/18

Left In: 6355.604 $\pm$ 1.512 χ^2 /NDF: 191876.7/10

6592.100 $\pm$ 1.169 χ^2 /NDF: 918183.9/29

6553.788 $\pm$ 1.175 χ^2 /NDF: 917462.4/29

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -13.822 ± 2.998 χ^2/NDF : 28.4/12

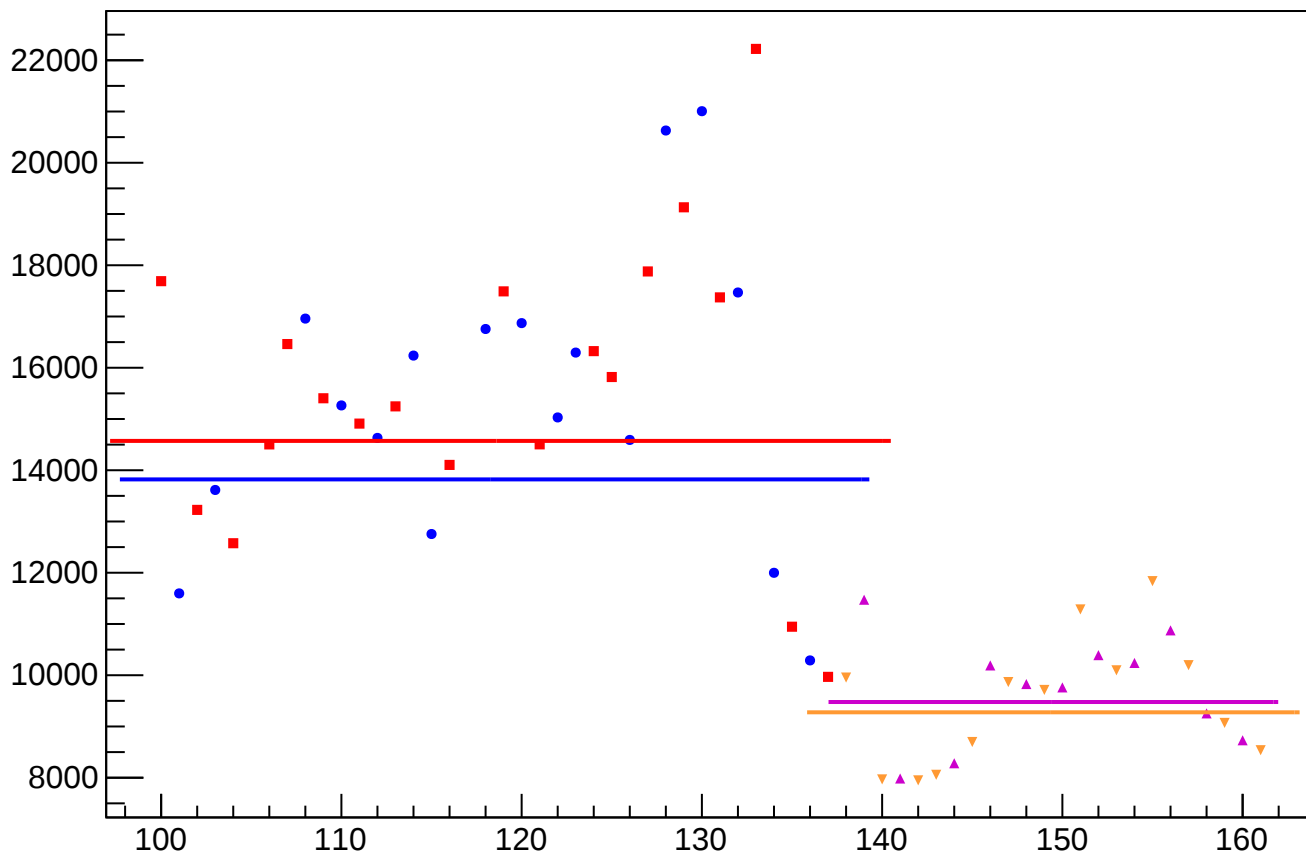
Right Out: -10.117 ± 5.571 χ^2/NDF : 12.2/18

Left In: -0.137 ± 3.185 χ^2/NDF : 9.6/10

-12.454 ± 2.634 χ^2/NDF : 51.5/29

-2.595 ± 2.765 χ^2/NDF : 24.2/29

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9276.485+/-2.120 χ^2/NDF : 278883.1/12

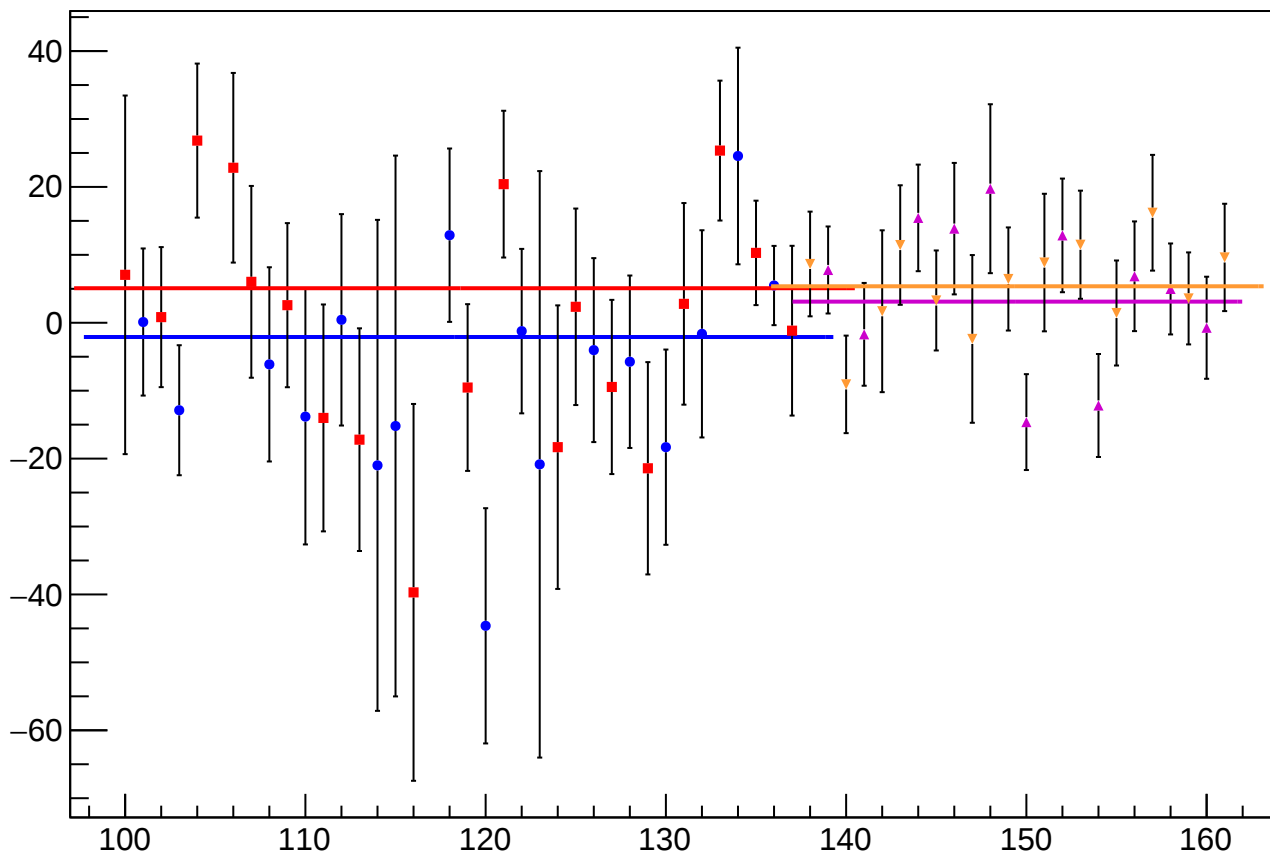
Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

Left In: 9477.452+/-2.252 χ^2/NDF : 209699.9/10

10313.093+/-1.863 χ^2/NDF : 1929644.8/29

10732.353+/-1.955 χ^2/NDF : 1942897.1/29

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 5.371 ± 2.280 χ^2/NDF : 8.2/12

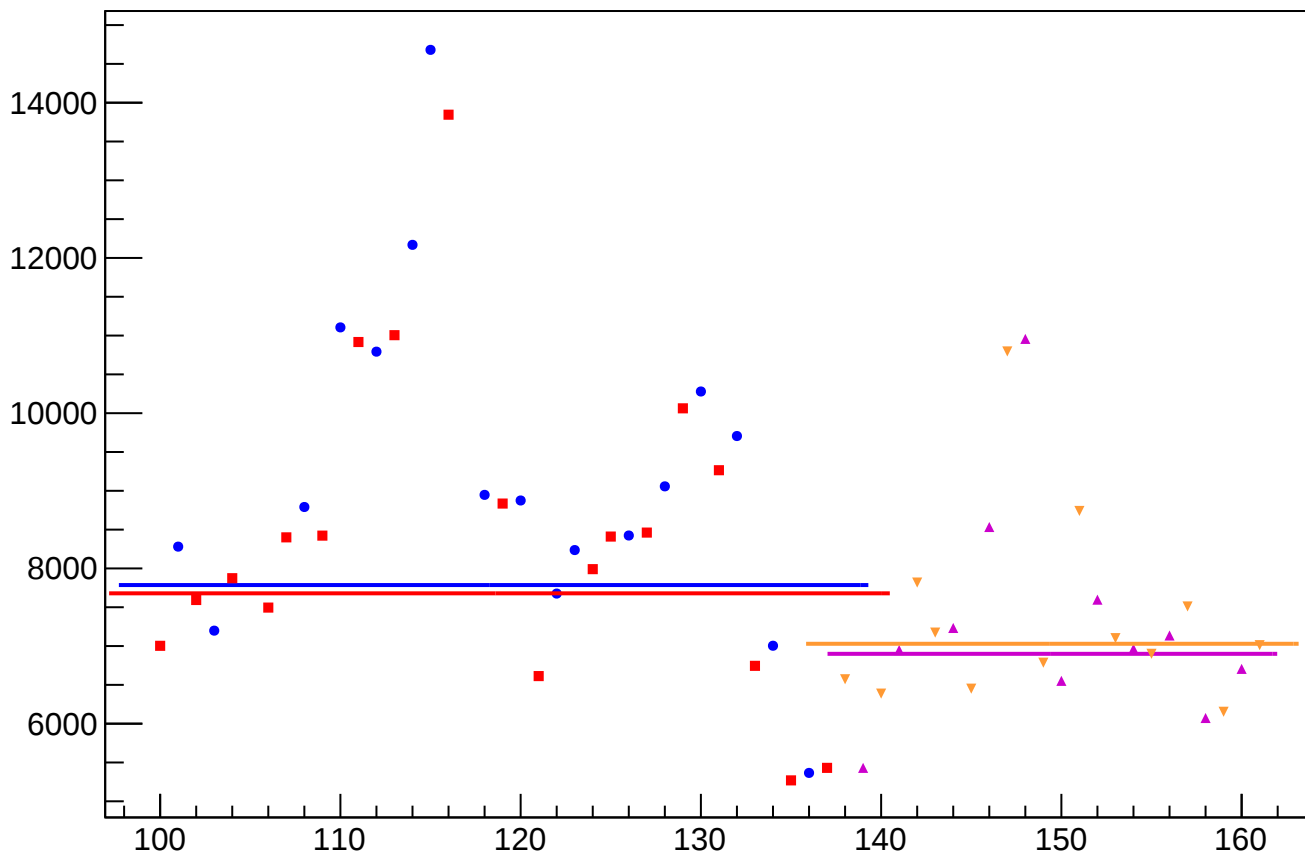
Right Out: 5.085 ± 2.962 χ^2/NDF : 24.8/18

Left In: 3.111 ± 2.342 χ^2/NDF : 18.7/10

2.756 ± 1.838 χ^2/NDF : 27.6/29

3.870 ± 1.837 χ^2/NDF : 43.8/29

diff_bpm4acY_rms vs Slug



Right In: 7785.931 ± 2.197 χ^2/NDF : 738101.9/16

Left Out: 7029.272 ± 1.612 χ^2/NDF : 330477.1/12

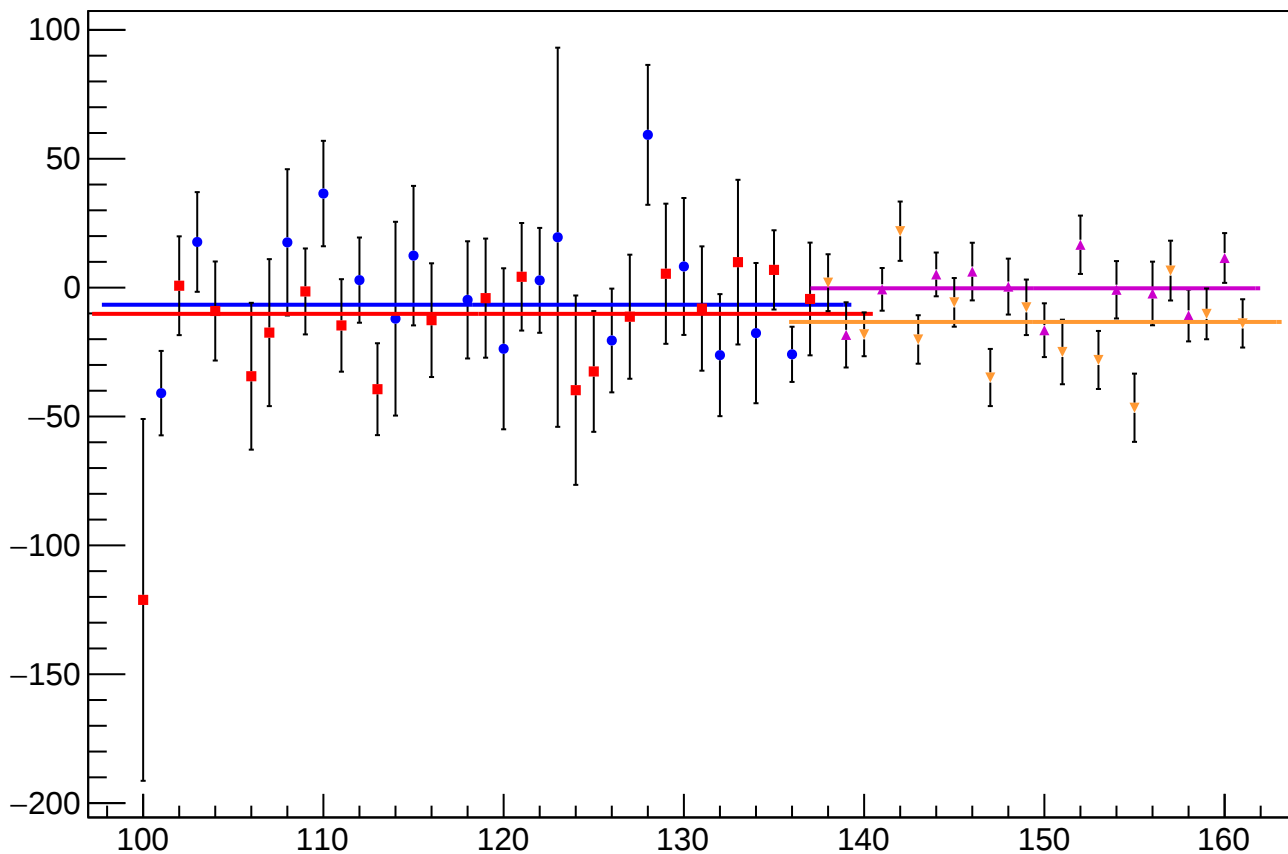
Right Out: 7679.182 ± 2.095 χ^2/NDF : 668736.8/18

Left In: 6899.808 ± 1.656 χ^2/NDF : 431211.6/10

7294.146 ± 1.300 χ^2/NDF : 1145699.5/29

7199.591 ± 1.299 χ^2/NDF : 1185143.9/29

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -13.312 ± 2.911 $\chi^2/\text{NDF}: 28.8/12$

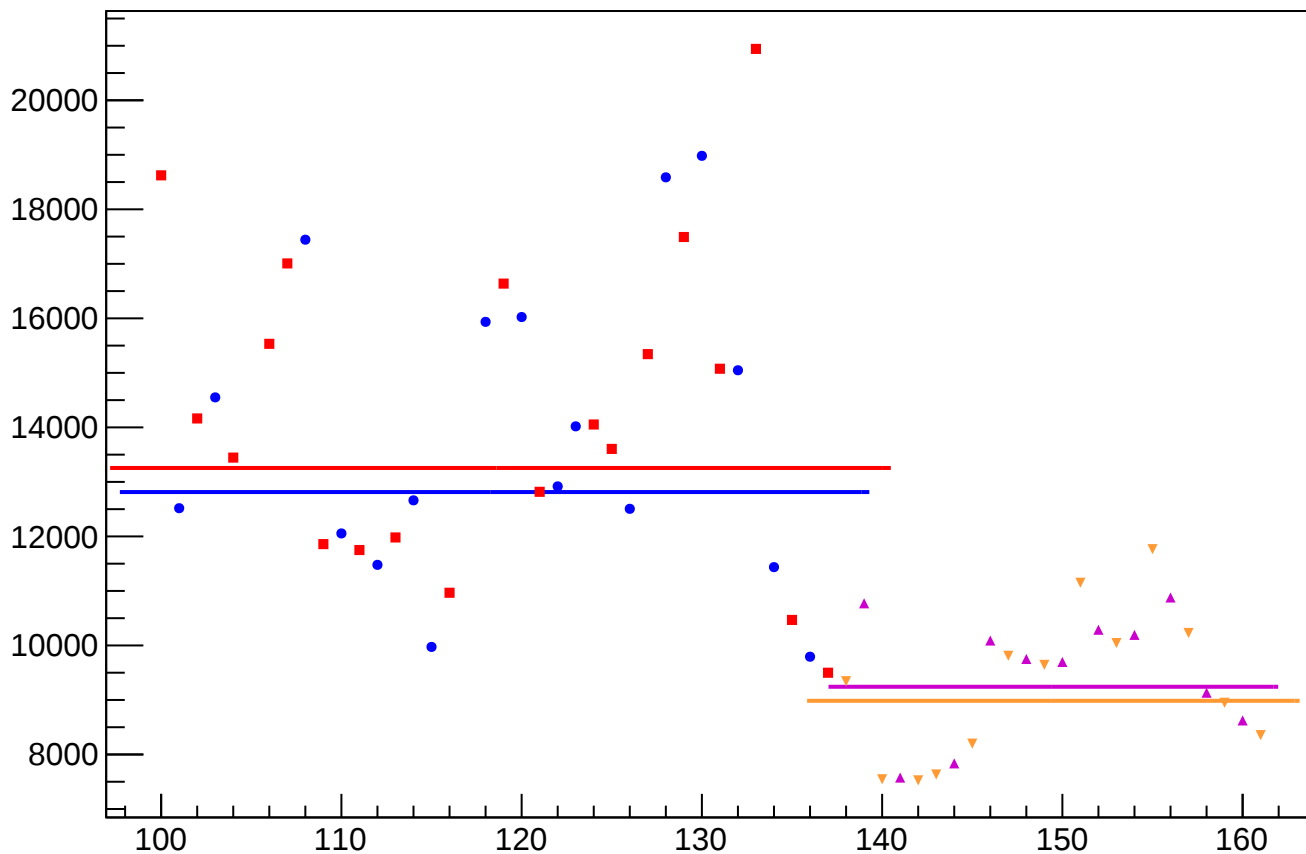
Right Out: -10.172 ± 5.075 $\chi^2/\text{NDF}: 10.8/18$

Left In: -0.256 ± 3.110 $\chi^2/\text{NDF}: 10.0/10$

-11.672 ± 2.528 $\chi^2/\text{NDF}: 53.5/29$

-2.963 ± 2.652 $\chi^2/\text{NDF}: 23.6/29$

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8984.788+/-2.058 χ^2/NDF : 363316.2/12

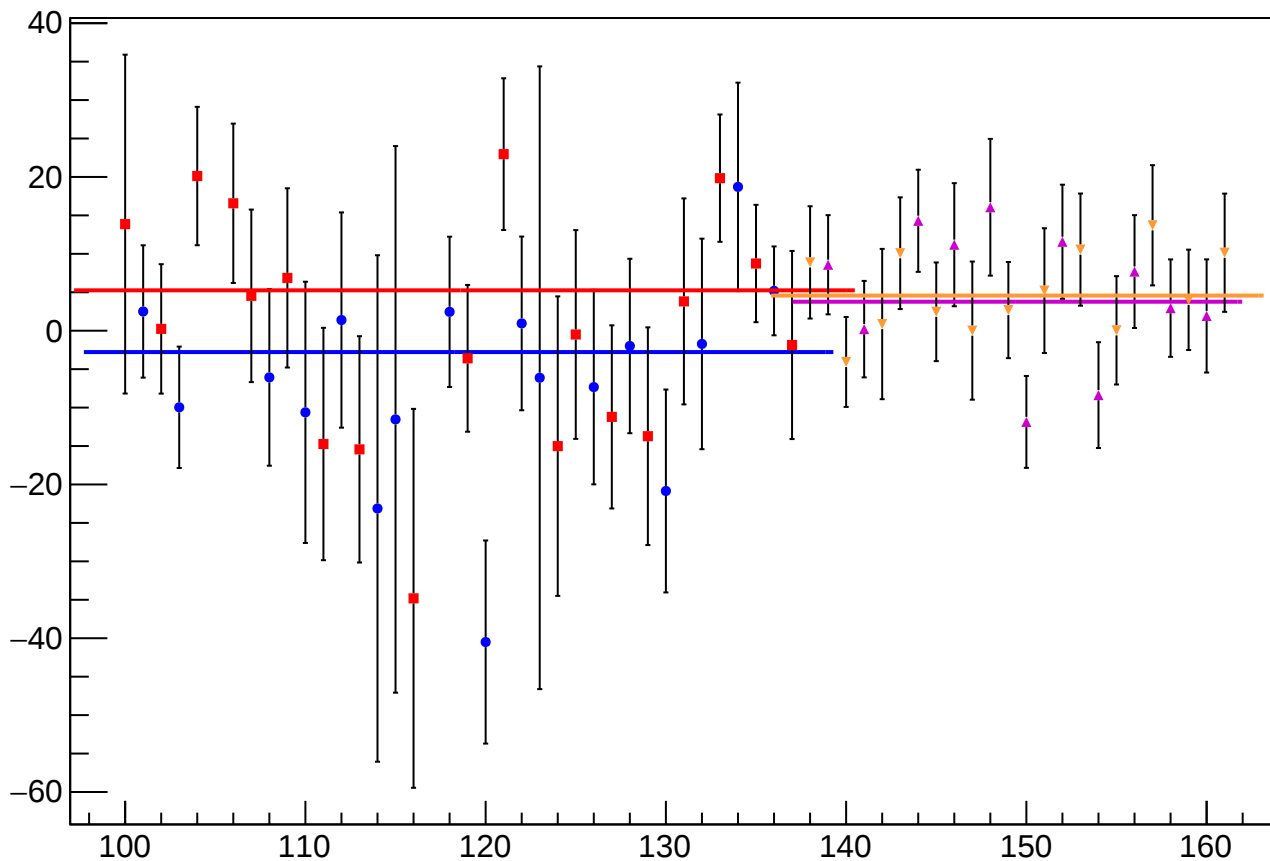
Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

Left In: 9242.174+/-2.199 χ^2/NDF : 259934.9/10

9925.333+/-1.788 χ^2/NDF : 1761402.1/29

10337.925+/-1.875 χ^2/NDF : 1653571.5/29

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 4.572 ± 1.998 $\chi^2/\text{NDF}: 6.7/12$

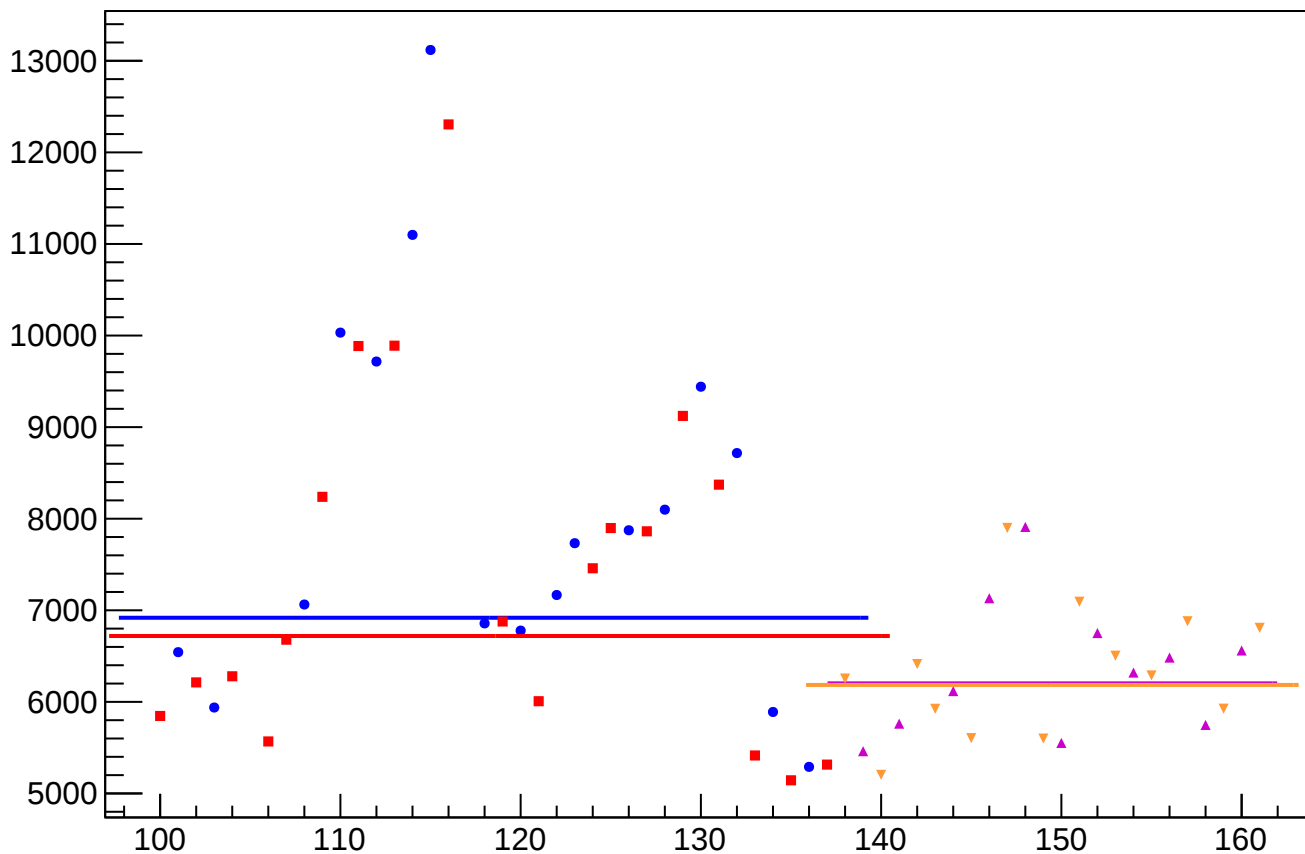
Right Out: 5.252 ± 2.590 $\chi^2/\text{NDF}: 23.5/18$

Left In: 3.771 ± 2.087 $\chi^2/\text{NDF}: 17.6/10$

2.029 ± 1.616 $\chi^2/\text{NDF}: 28.4/29$

4.354 ± 1.625 $\chi^2/\text{NDF}: 41.3/29$

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6184.864+/-1.413 χ^2/NDF : 228337.5/12

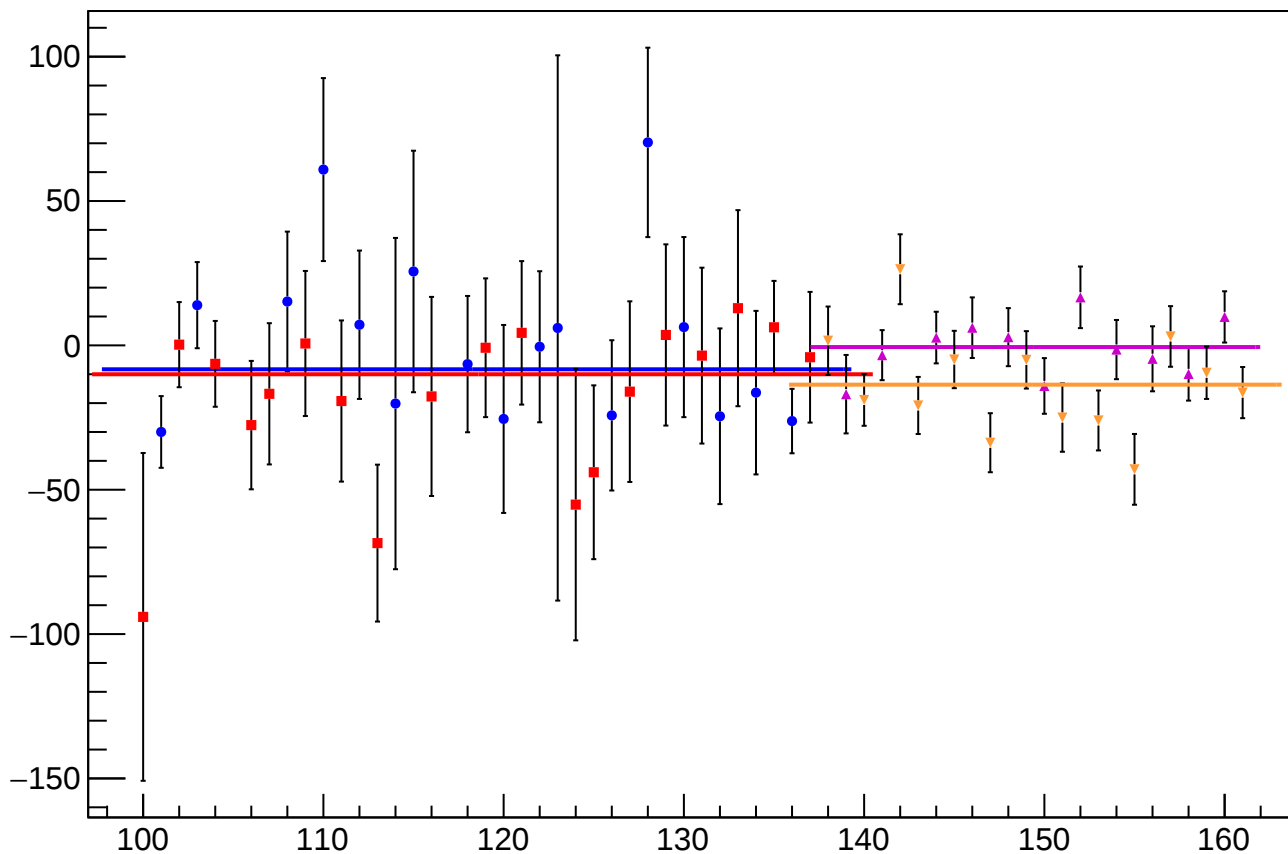
Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

Left In: 6202.333+/-1.476 χ^2/NDF : 190386.4/10

6438.693+/-1.143 χ^2/NDF : 909617.8/29

6405.961+/-1.149 χ^2/NDF : 892553.5/29

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -13.608 ± 2.845 $\chi^2/\text{NDF}: 29.7/12$

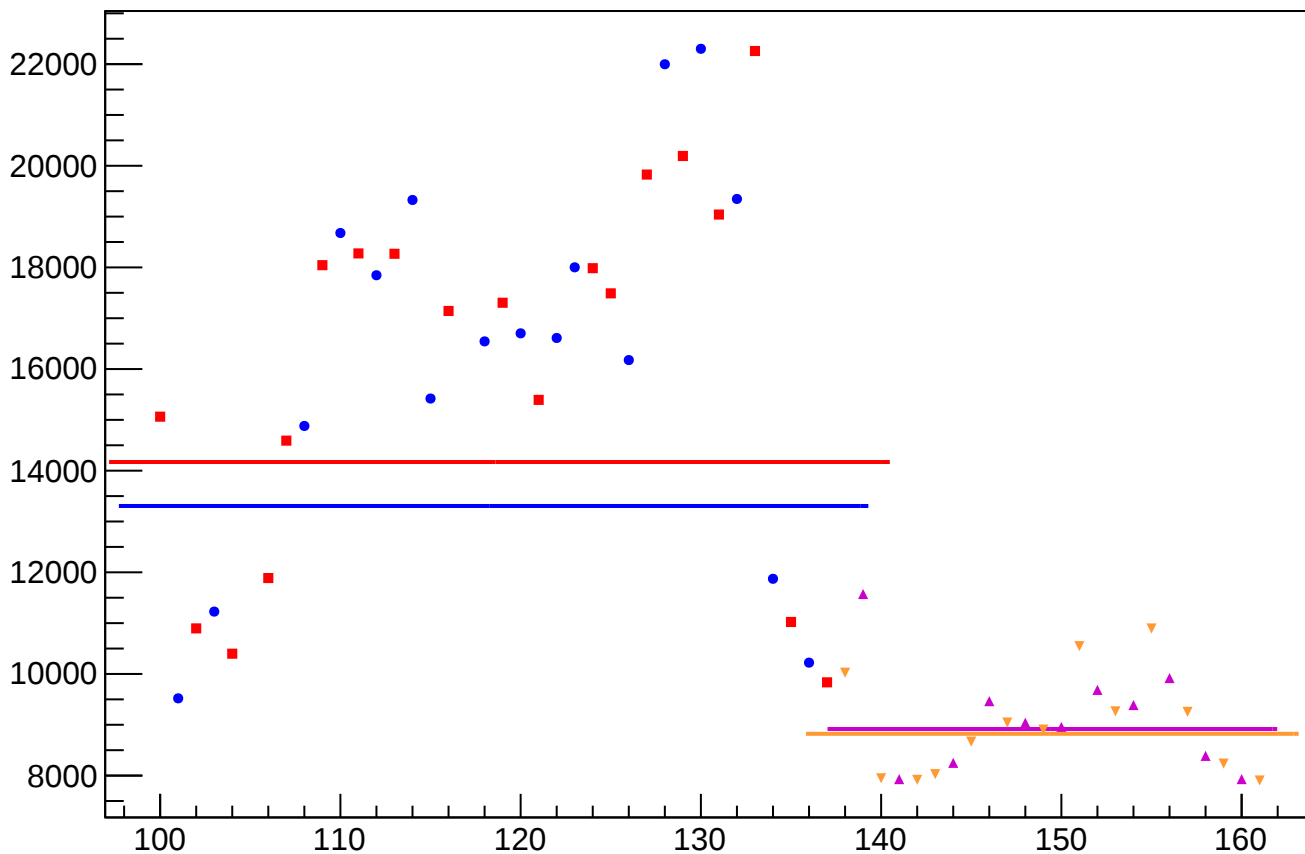
Right Out: -10.007 ± 5.513 $\chi^2/\text{NDF}: 12.9/18$

Left In: -0.585 ± 2.995 $\chi^2/\text{NDF}: 9.3/10$

-12.455 ± 2.518 $\chi^2/\text{NDF}: 52.2/29$

-2.732 ± 2.631 $\chi^2/\text{NDF}: 24.5/29$

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8822.609+/-2.012 χ^2/NDF : 201847.9/12

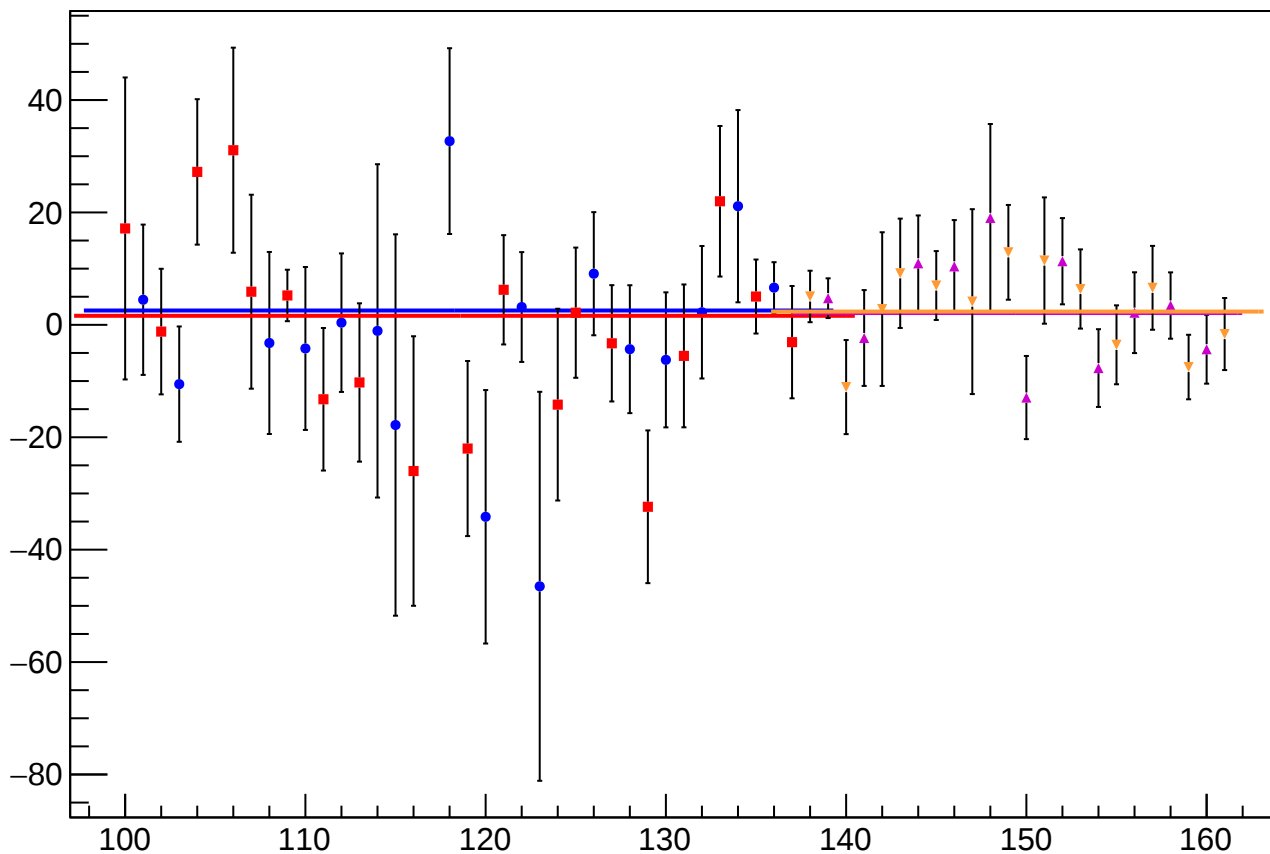
9793.937+/-1.781 χ^2/NDF : 2321542.5/29

Right Out: 14170.668+/-3.898 χ^2/NDF : 930612.1/18

10114.043+/-1.861 χ^2/NDF : 2513855.1/29

Left In: 8917.153+/-2.118 χ^2/NDF : 180899.2/10

diff_bpm1Y_mean vs Slug



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 2.365 ± 2.027 χ^2/NDF : 10.9/12

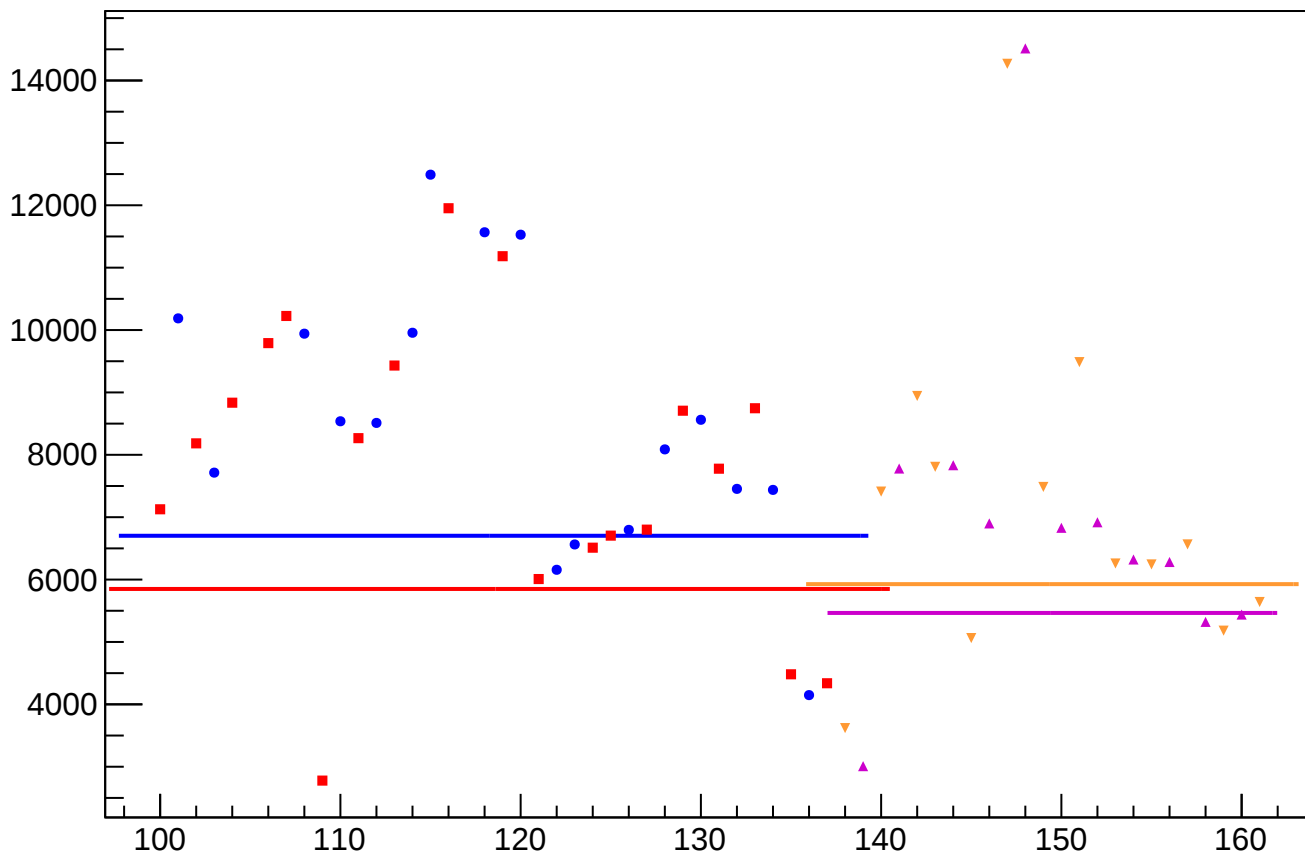
Right Out: 1.613 ± 2.442 χ^2/NDF : 24.0/18

Left In: 2.103 ± 1.973 χ^2/NDF : 12.7/10

2.430 ± 1.633 χ^2/NDF : 24.6/29

1.910 ± 1.535 χ^2/NDF : 36.7/29

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5926.905+/-1.434 χ^2/NDF : 1626597.0/12

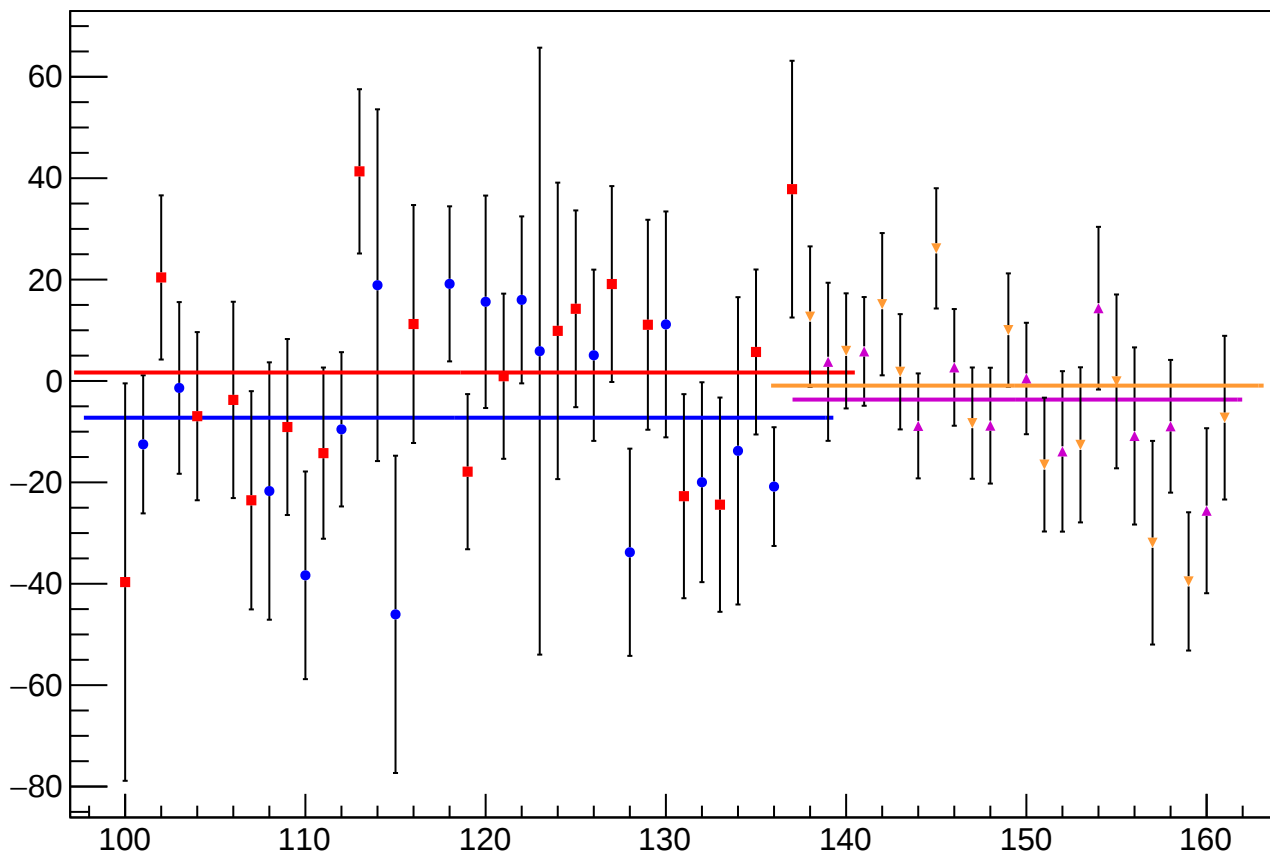
Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

Left In: 5465.199+/-1.395 χ^2/NDF : 2112952.2/10

6199.066+/-1.155 χ^2/NDF : 3119222.0/29

5617.027+/-1.085 χ^2/NDF : 4421394.0/29

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: -0.914 ± 3.669 χ^2/NDF : 21.9/12

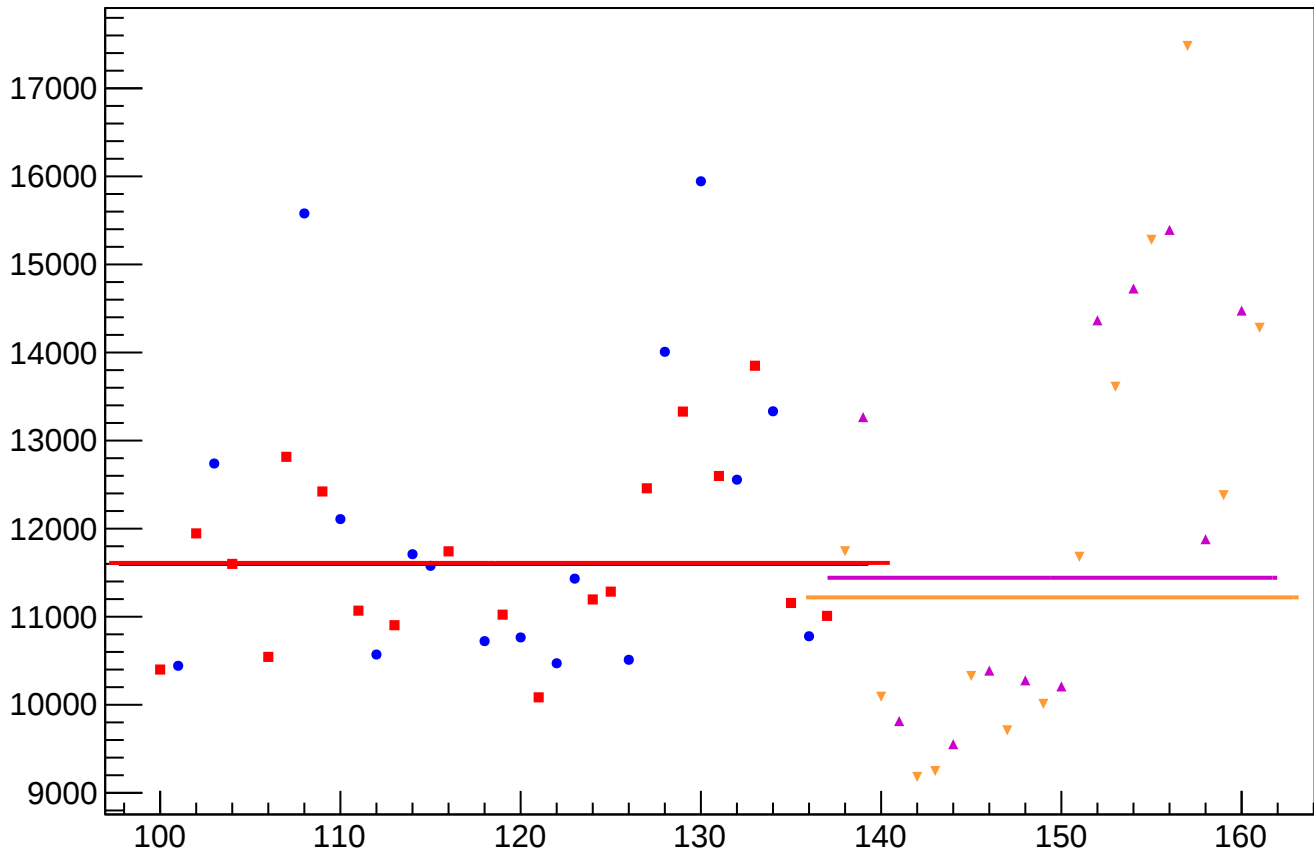
Right Out: 1.671 ± 4.373 χ^2/NDF : 19.9/18

Left In: -3.669 ± 3.881 χ^2/NDF : 5.7/10

-3.411 ± 2.855 χ^2/NDF : 39.0/29

-1.316 ± 2.903 χ^2/NDF : 26.4/29

diff_bpm11X_rms vs Slug



Right In: 11598.751 ± 3.215 χ^2/NDF : 235423.8/16

Left Out: 11219.536 ± 2.594 χ^2/NDF : 641740.7/12

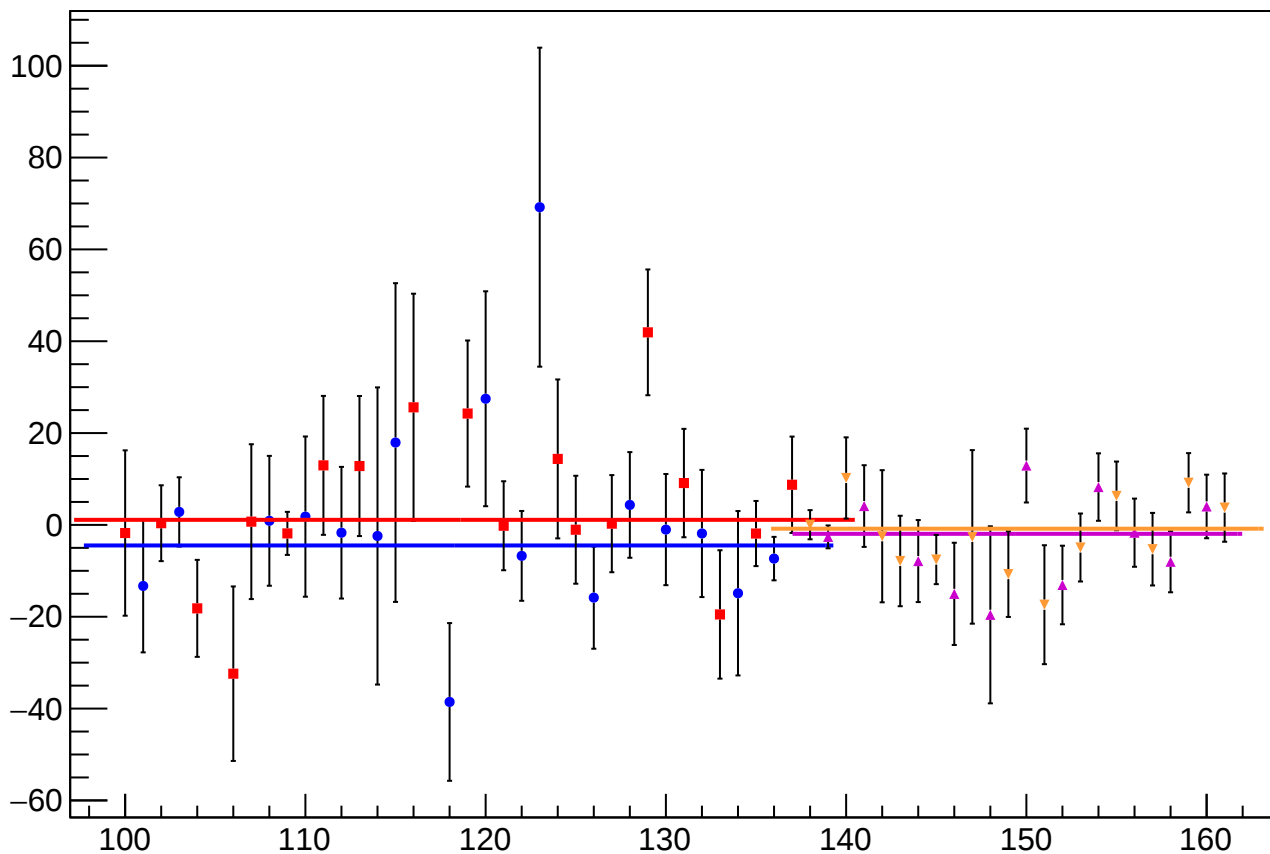
Right Out: 11610.941 ± 3.092 χ^2/NDF : 94447.0/18

Left In: 11442.343 ± 2.744 χ^2/NDF : 528848.7/10

11369.078 ± 2.019 χ^2/NDF : 885589.9/29

11516.626 ± 2.053 χ^2/NDF : 624958.7/29

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.825 ± 1.902 χ^2/NDF : 10.8/12

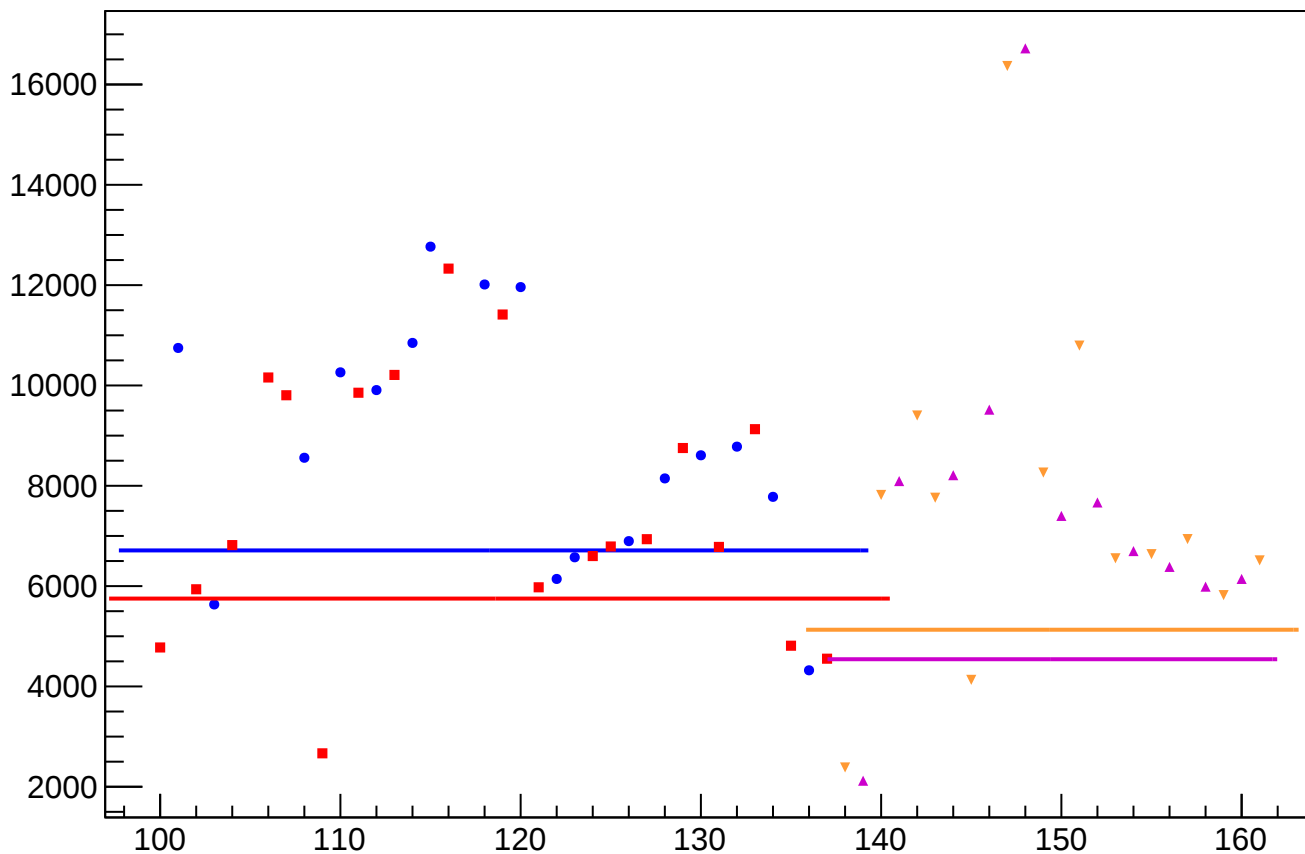
Right Out: 1.105 ± 2.429 χ^2/NDF : 24.0/18

Left In: -1.944 ± 1.806 χ^2/NDF : 11.8/10

-1.988 ± 1.570 χ^2/NDF : 26.8/29

-0.858 ± 1.450 χ^2/NDF : 36.9/29

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 5130.469+/-1.345 χ^2/NDF : 3733837.0/12

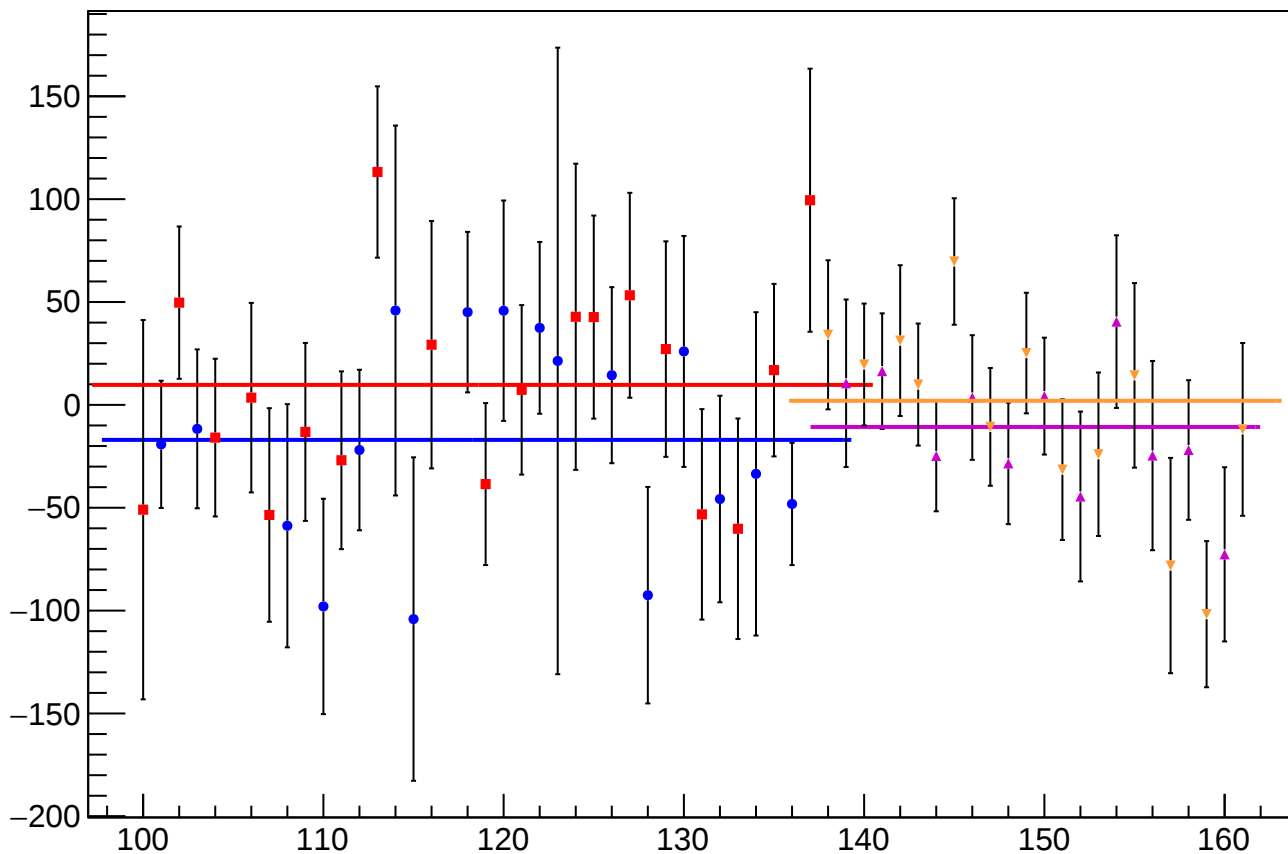
Right Out: 5751.505+/-1.718 χ^2/NDF : 2165110.0/18

Left In: 4542.295+/-1.277 χ^2/NDF : 4760895.1/10

5634.249+/-1.110 χ^2/NDF : 5621062.5/29

4972.943+/-1.025 χ^2/NDF : 7245145.9/29

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 1.999 ± 9.562 χ^2/NDF : 20.0/12

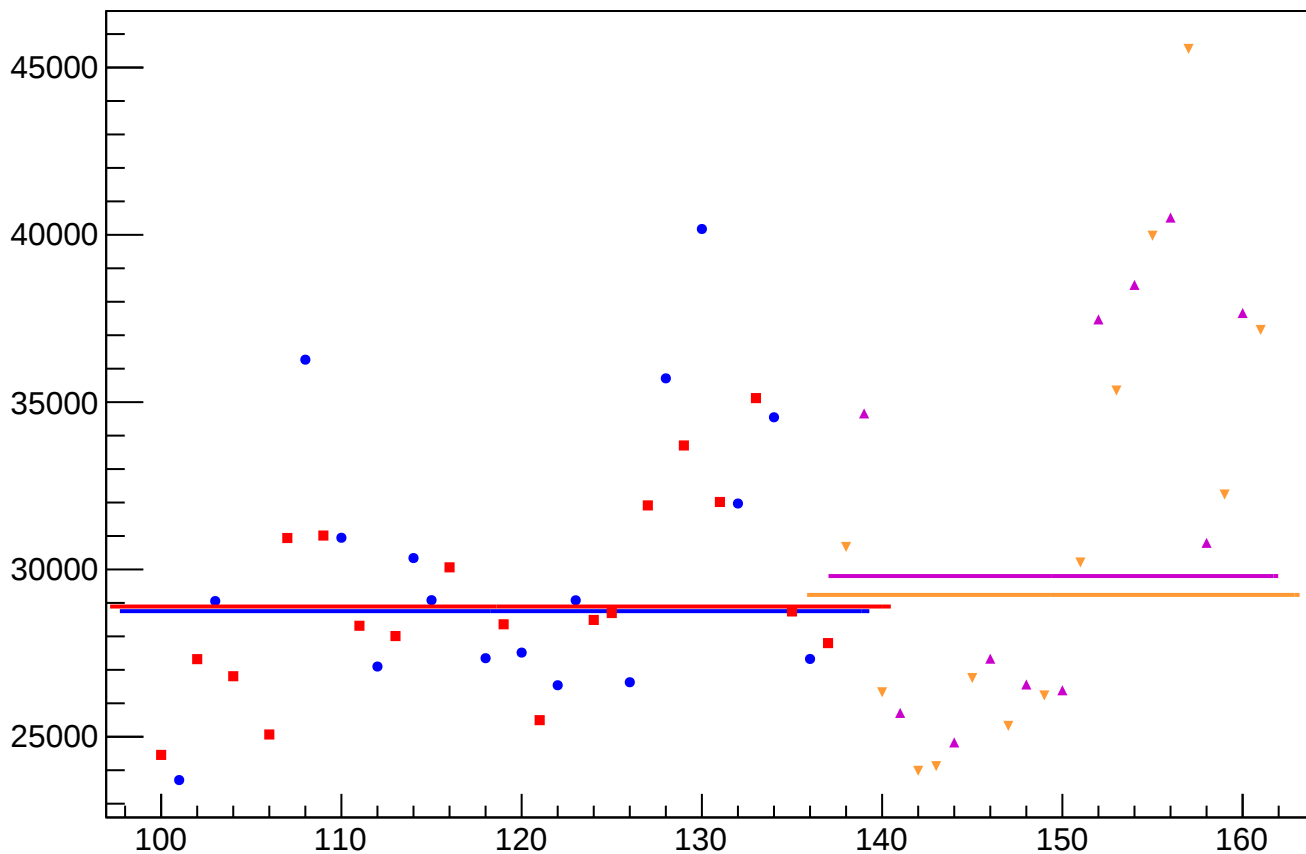
Right Out: 9.719 ± 10.891 χ^2/NDF : 19.1/18

Left In: -10.731 ± 10.111 χ^2/NDF : 6.8/10

-5.943 ± 7.296 χ^2/NDF : 36.6/29

-1.264 ± 7.410 χ^2/NDF : 27.8/29

diff_bpm12X_rms vs Slug



Right In: 28753.787 ± 7.981 χ^2/NDF : 249215.1/16

Left Out: 29239.397 ± 6.762 χ^2/NDF : 637838.0/12

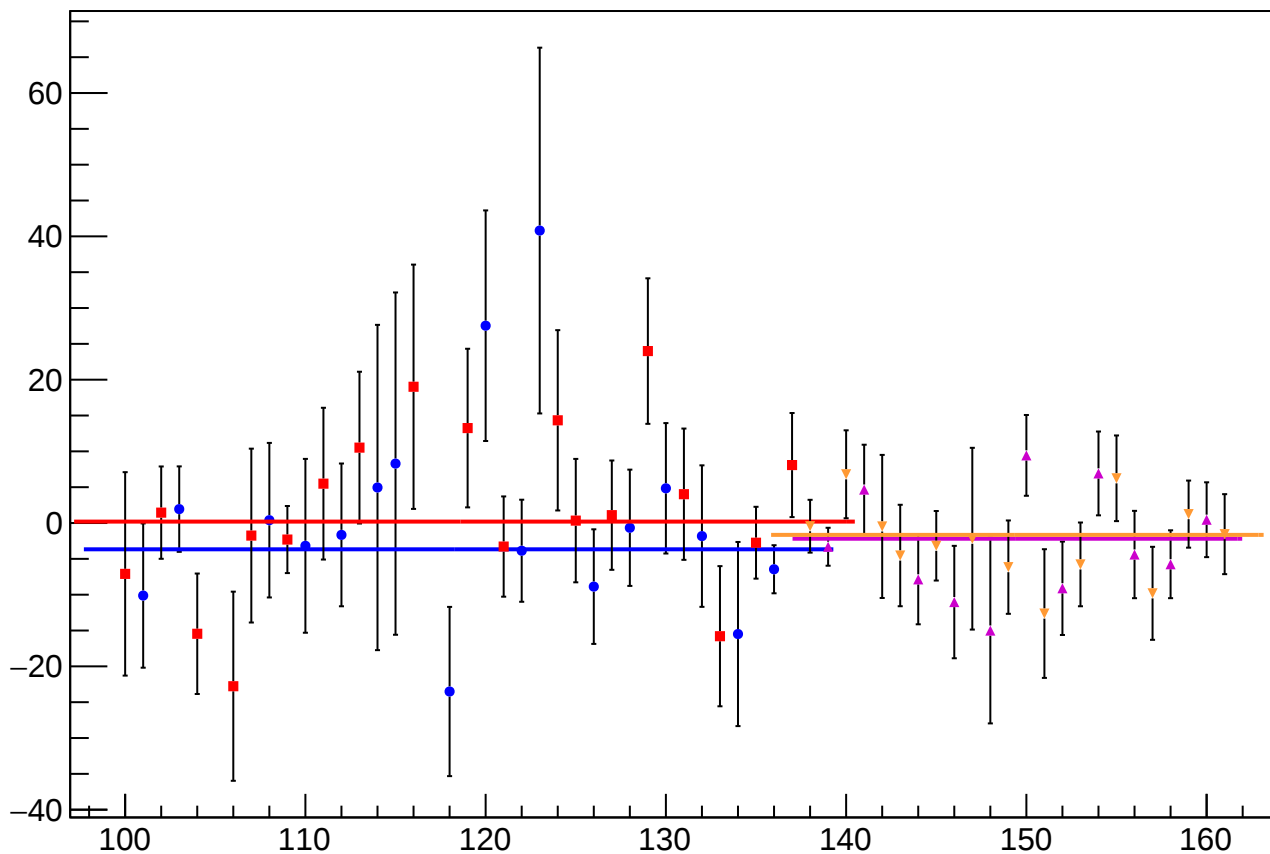
Right Out: 28892.154 ± 7.701 χ^2/NDF : 111241.2/18

Left In: 29803.094 ± 7.150 χ^2/NDF : 539639.2/10

29036.491 ± 5.159 χ^2/NDF : 889208.4/29

29381.375 ± 5.240 χ^2/NDF : 658395.1/29

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.654 ± 1.636 χ^2/NDF : 8.5/12

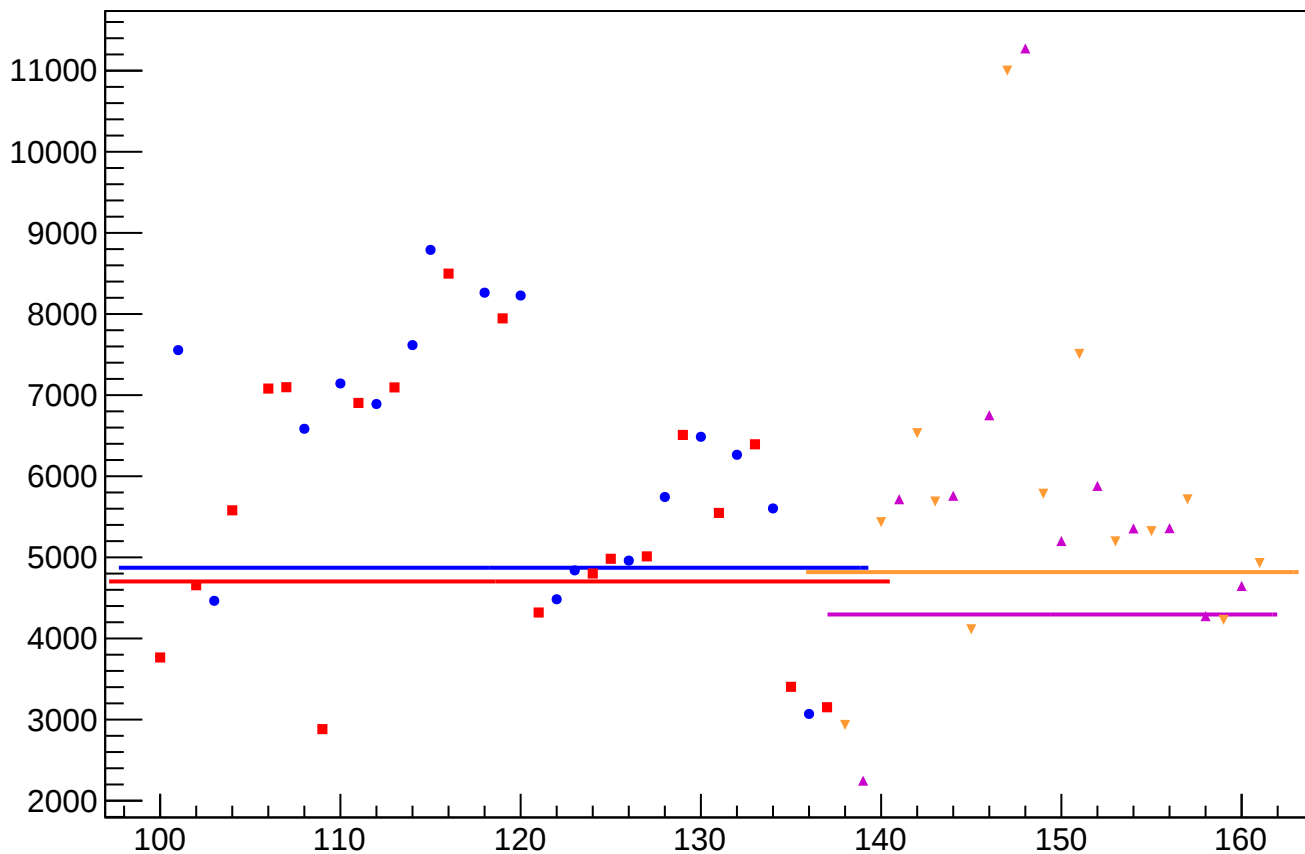
Right Out: 0.199 ± 1.893 χ^2/NDF : 22.3/18

Left In: -2.193 ± 1.565 χ^2/NDF : 13.2/10

-2.457 ± 1.269 χ^2/NDF : 23.6/29

-1.222 ± 1.206 χ^2/NDF : 36.5/29

diff_bpm12Y_rms vs Slug



Right In: 4872.105 ± 1.421 χ^2/NDF : 1405253.2/16

Left Out: 4818.078 ± 1.157 χ^2/NDF : 1466638.1/12

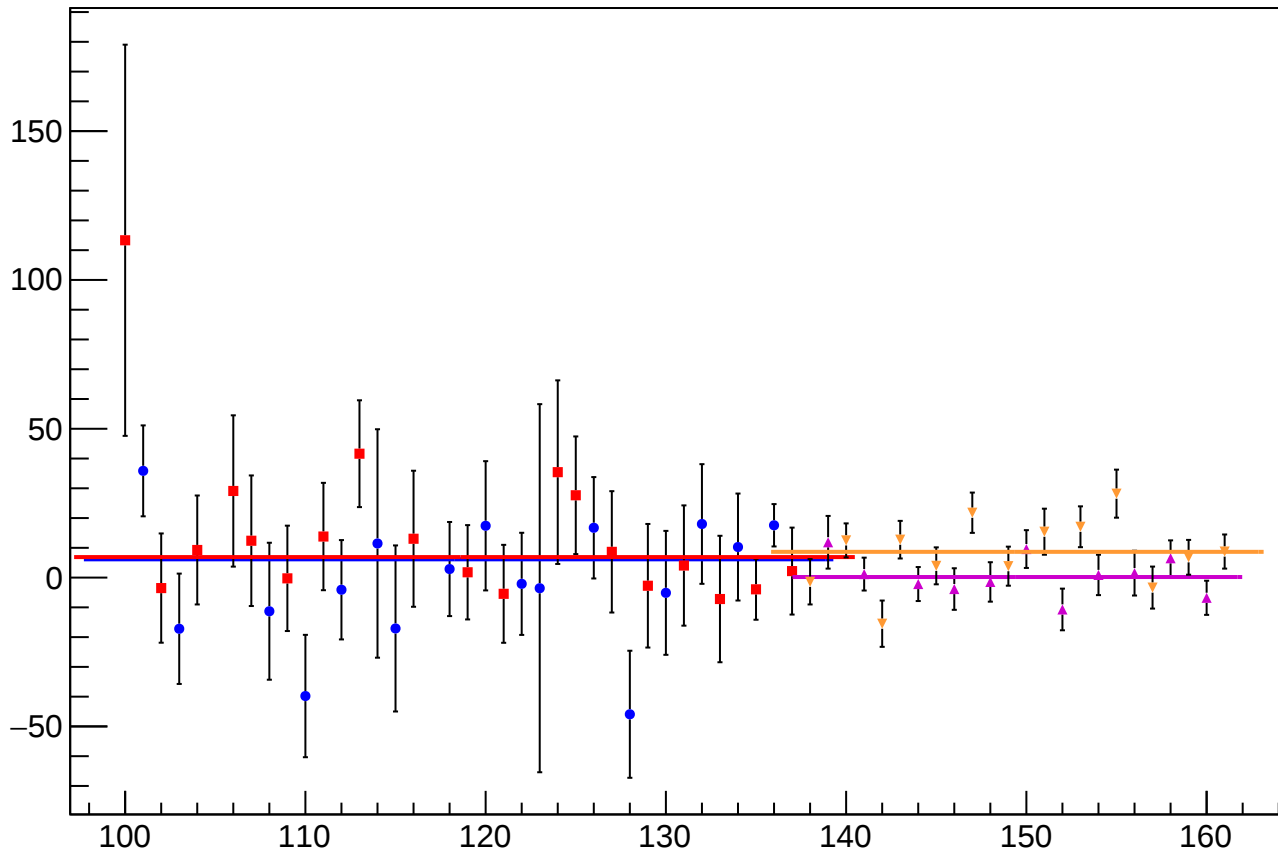
Right Out: 4702.994 ± 1.338 χ^2/NDF : 1312720.8/18

Left In: 4295.765 ± 1.106 χ^2/NDF : 2493047.3/10

4839.608 ± 0.897 χ^2/NDF : 2872760.6/29

4461.100 ± 0.853 χ^2/NDF : 3860765.4/29

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 8.654 ± 1.846 χ^2/NDF : 28.3/12

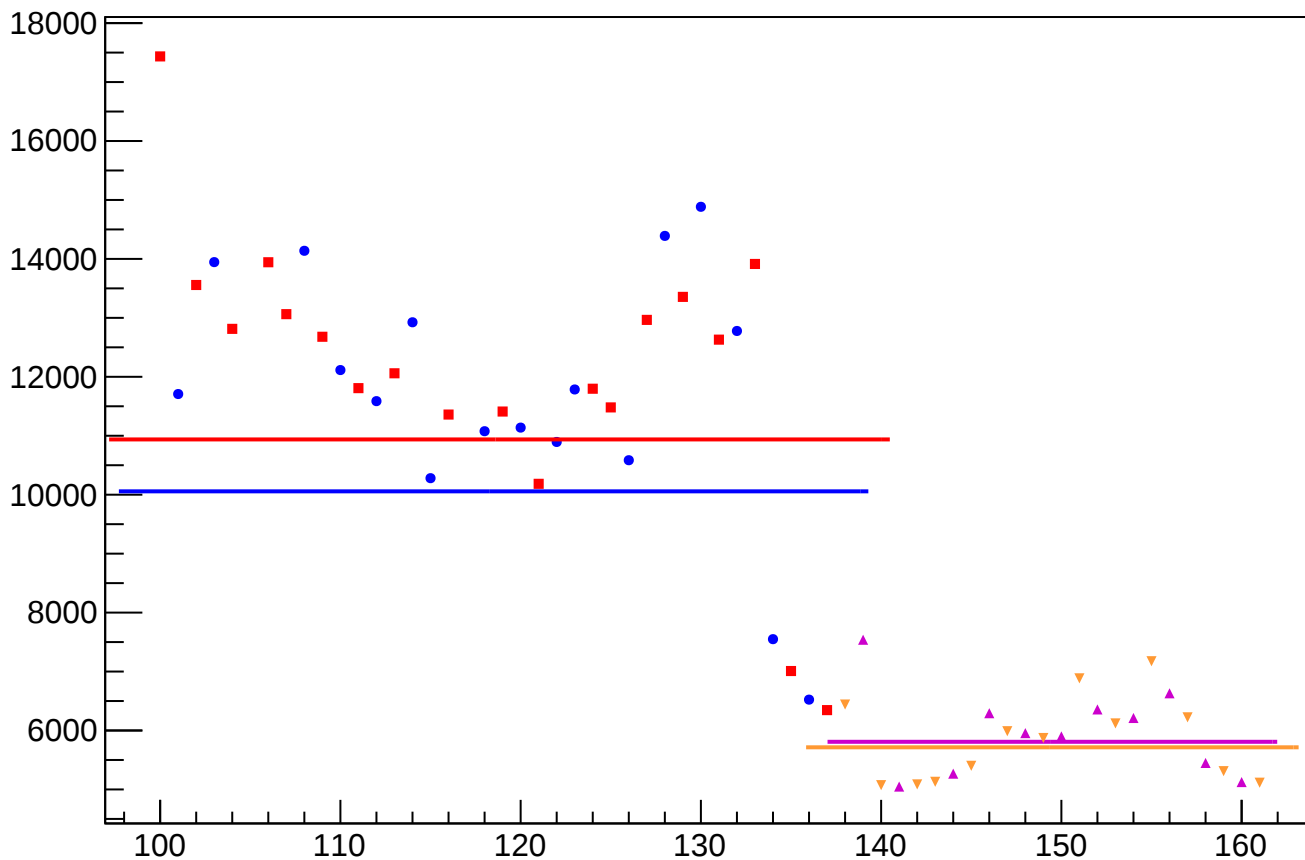
Right Out: 6.892 ± 4.224 χ^2/NDF : 12.5/18

Left In: 0.194 ± 1.953 χ^2/NDF : 9.6/10

8.226 ± 1.682 χ^2/NDF : 50.8/29

1.373 ± 1.772 χ^2/NDF : 24.1/29

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5714.698 $\pm$ 1.305 χ^2 /NDF: 243262.5/12

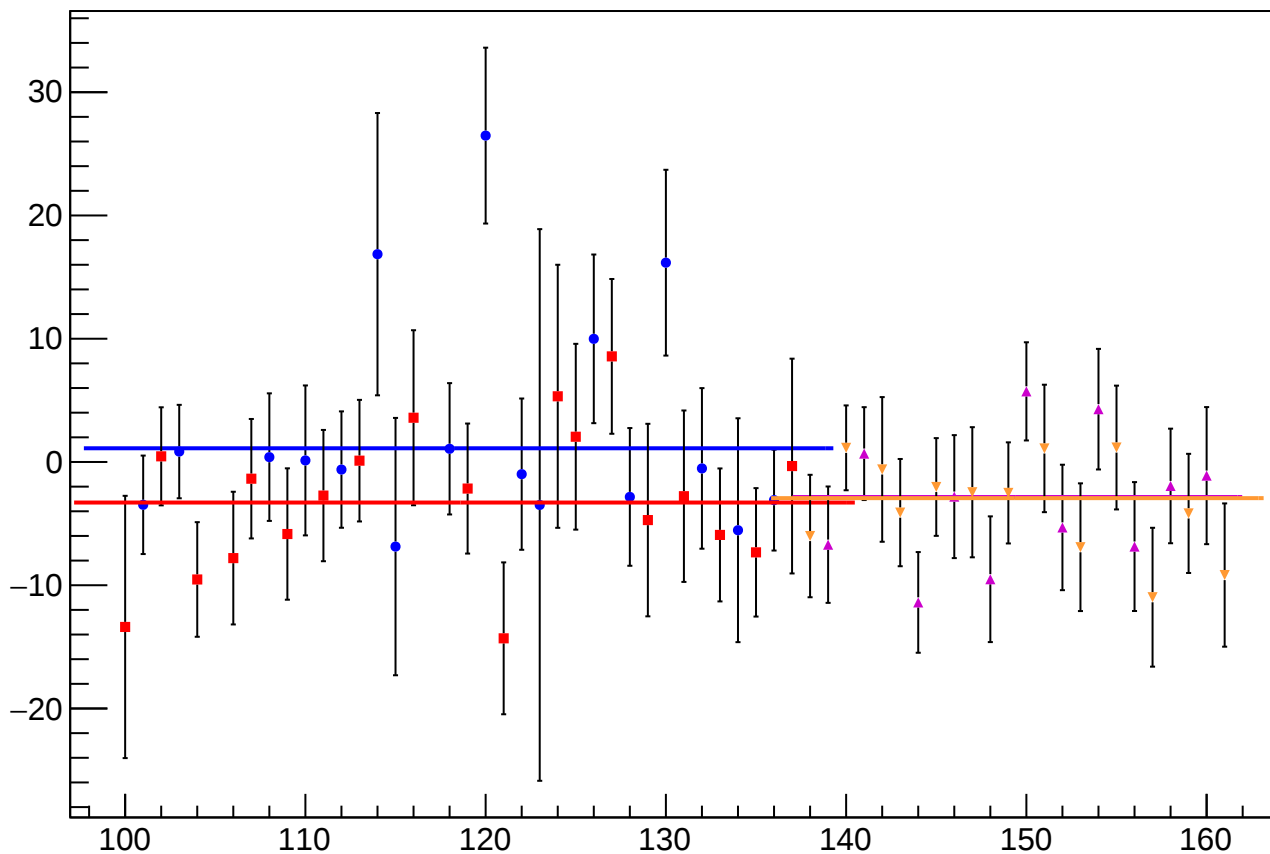
Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

Left In: 5808.319 $\pm$ 1.381 χ^2 /NDF: 222138.1/10

6452.330 $\pm$ 1.189 χ^2 /NDF: 3126538.7/29

6711.306 $\pm$ 1.253 χ^2 /NDF: 3414511.2/29

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.934 ± 1.309 χ^2/NDF : 7.2/12

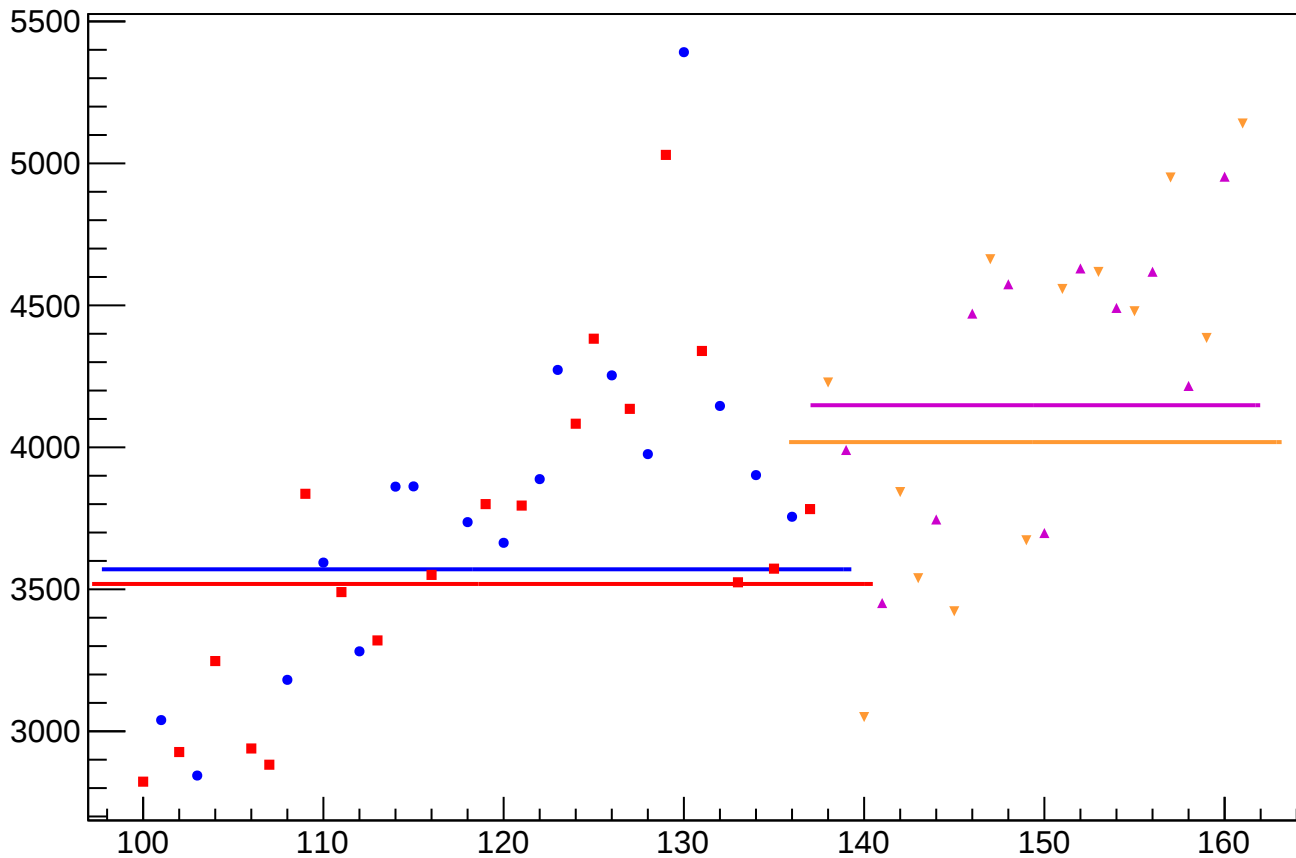
Right Out: -3.290 ± 1.334 χ^2/NDF : 15.1/18

Left In: -2.841 ± 1.397 χ^2/NDF : 15.4/10

-1.051 ± 0.957 χ^2/NDF : 36.3/29

-3.076 ± 0.965 χ^2/NDF : 30.5/29

diff_bpm16Y_rms vs Slug



Right In: 3570.481 ± 0.992 χ^2/NDF : 309699.2/16

Left Out: 4018.472 ± 0.925 χ^2/NDF : 483314.2/12

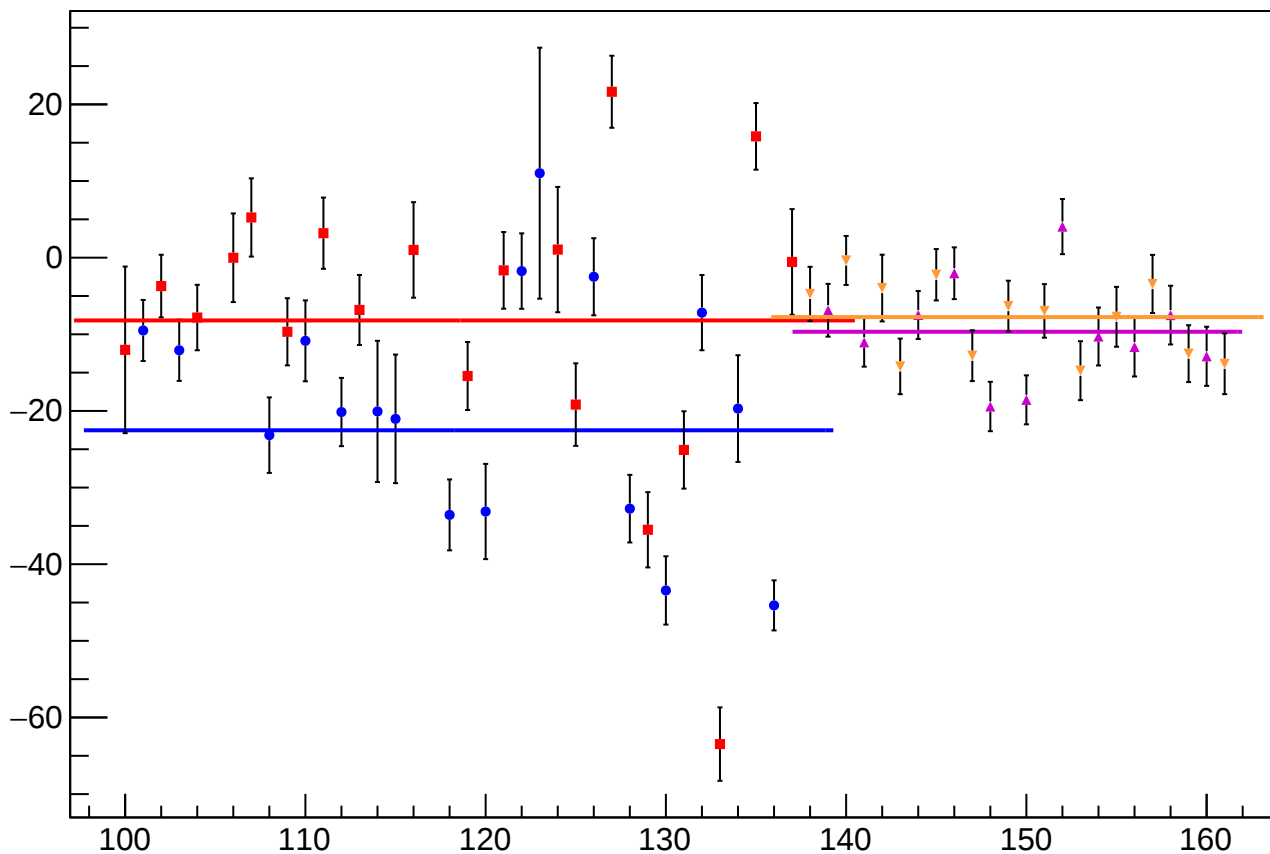
Right Out: 3518.886 ± 0.943 χ^2/NDF : 293392.5/18

Left In: 4148.320 ± 0.988 χ^2/NDF : 224117.2/10

3810.035 ± 0.677 χ^2/NDF : 902080.6/29

3819.035 ± 0.682 χ^2/NDF : 729961.7/29

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -7.754 ± 1.001 χ^2/NDF : 23.9/12

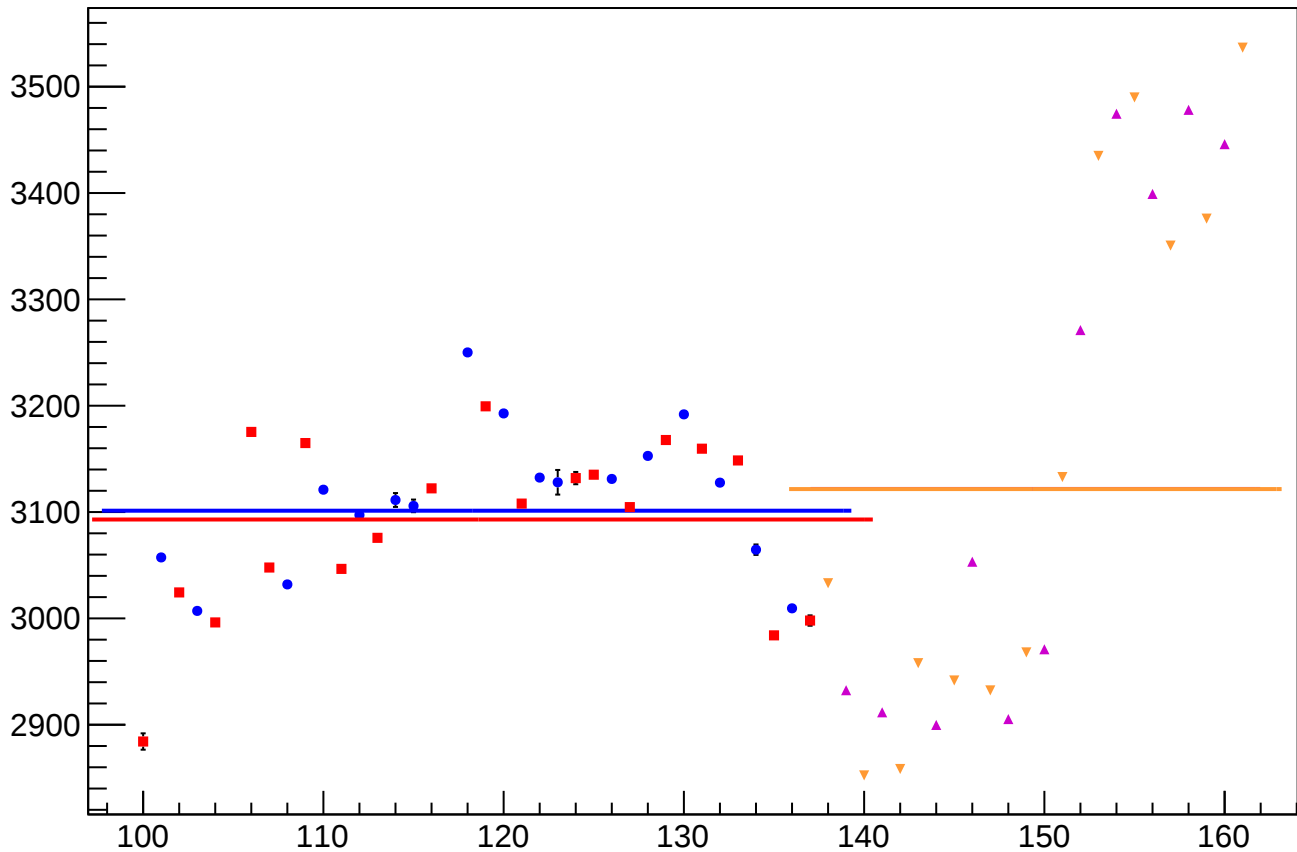
Right Out: -8.192 ± 1.157 χ^2/NDF : 275.8/18

Left In: -9.668 ± 1.044 χ^2/NDF : 39.2/10

-13.810 ± 0.769 χ^2/NDF : 268.7/29

-9.006 ± 0.775 χ^2/NDF : 315.9/29

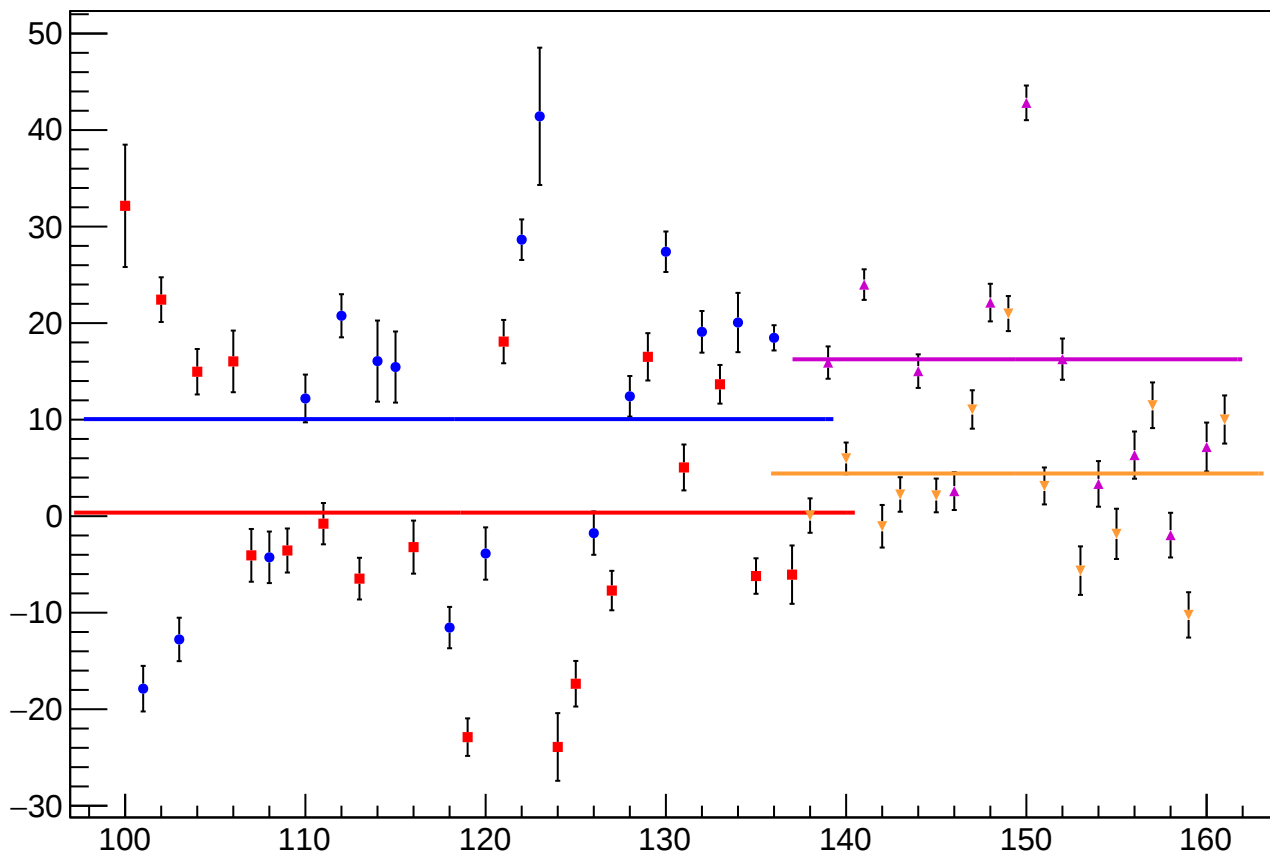
diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2 /NDF: 7233.8/16
Left Out: 3121.614+/-0.708 χ^2 /NDF:113109.2/12
Right Out: 3092.993+/-0.818 χ^2 /NDF: 7766.0/18
Left In: 3121.724+/-0.738 χ^2 /NDF:101909.4/10

3113.273+/-0.544 χ^2 /NDF: 120681.8/29
3108.834+/-0.548 χ^2 /NDF: 110355.5/29

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 4.421 $\pm$ 0.560 χ^2 /NDF:185.6/12

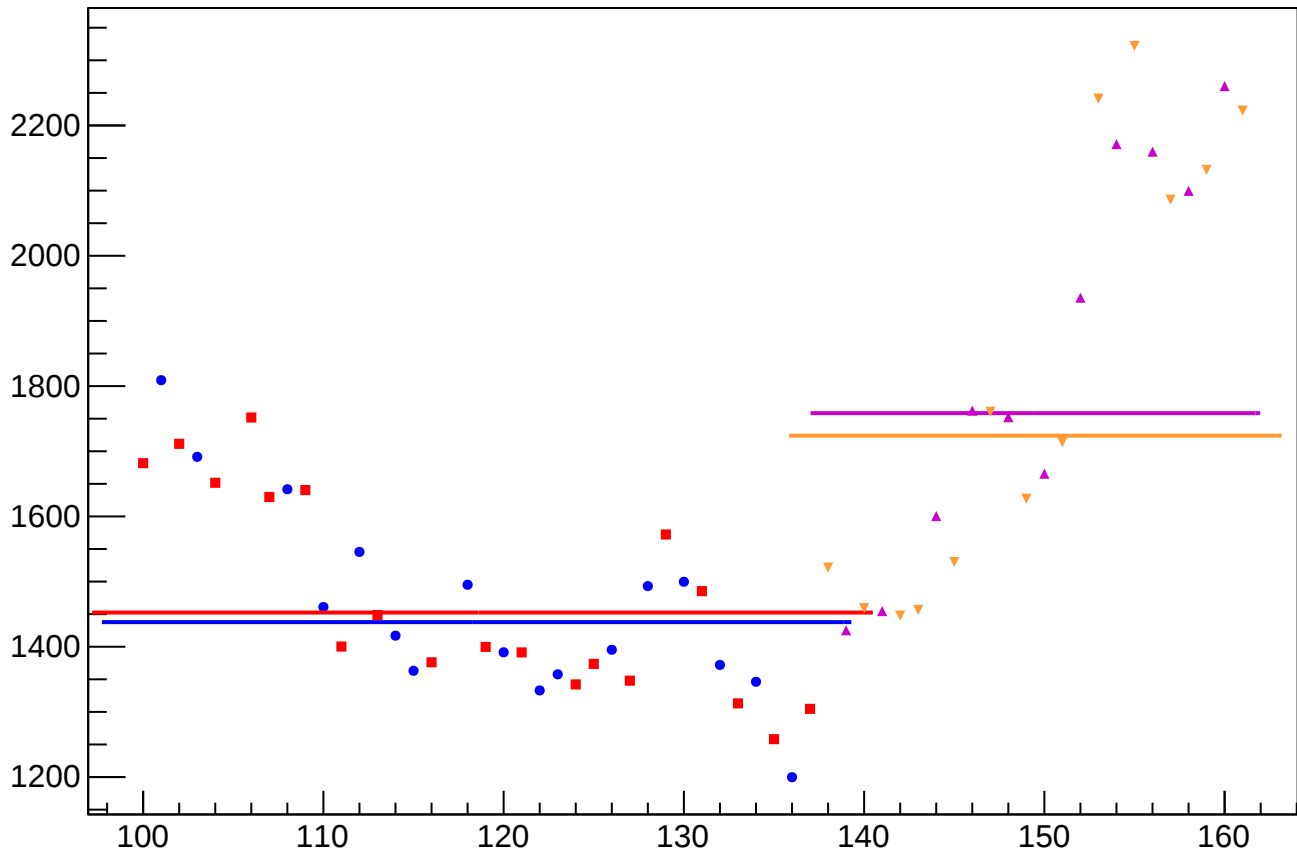
Right Out: 0.367 $\pm$ 0.547 χ^2 /NDF: 629.8/18

Left In: 16.252 $\pm$ 0.595 χ^2 /NDF:422.2/10

7.230 $\pm$ 0.397 χ^2 /NDF: 928.2/29

7.648 $\pm$ 0.403 χ^2 /NDF: 1438.6/29

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1723.936 $\pm$ 0.396 χ^2 /NDF: 562485.7/12

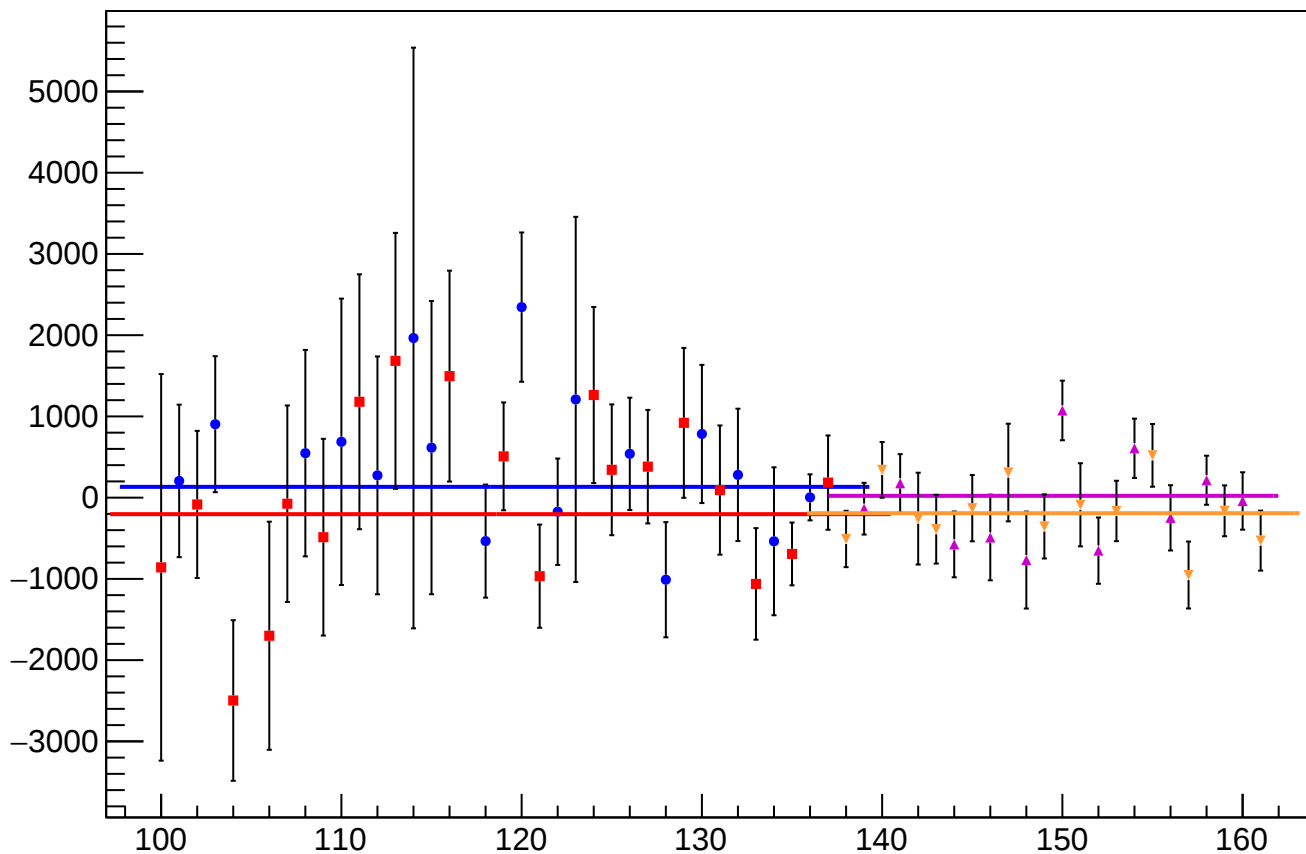
Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

Left In: 1758.520 $\pm$ 0.420 χ^2 /NDF: 425158.8/10

1581.248 $\pm$ 0.280 χ^2 /NDF: 996005.0/29

1592.761 $\pm$ 0.285 χ^2 /NDF: 850737.1/29

asym_sam1_mean vs Slug



Right In: 132.921+/-180.271 χ^2/NDF : 12.9/16

Left Out: -191.350+/-110.500 χ^2/NDF : 12.1/12

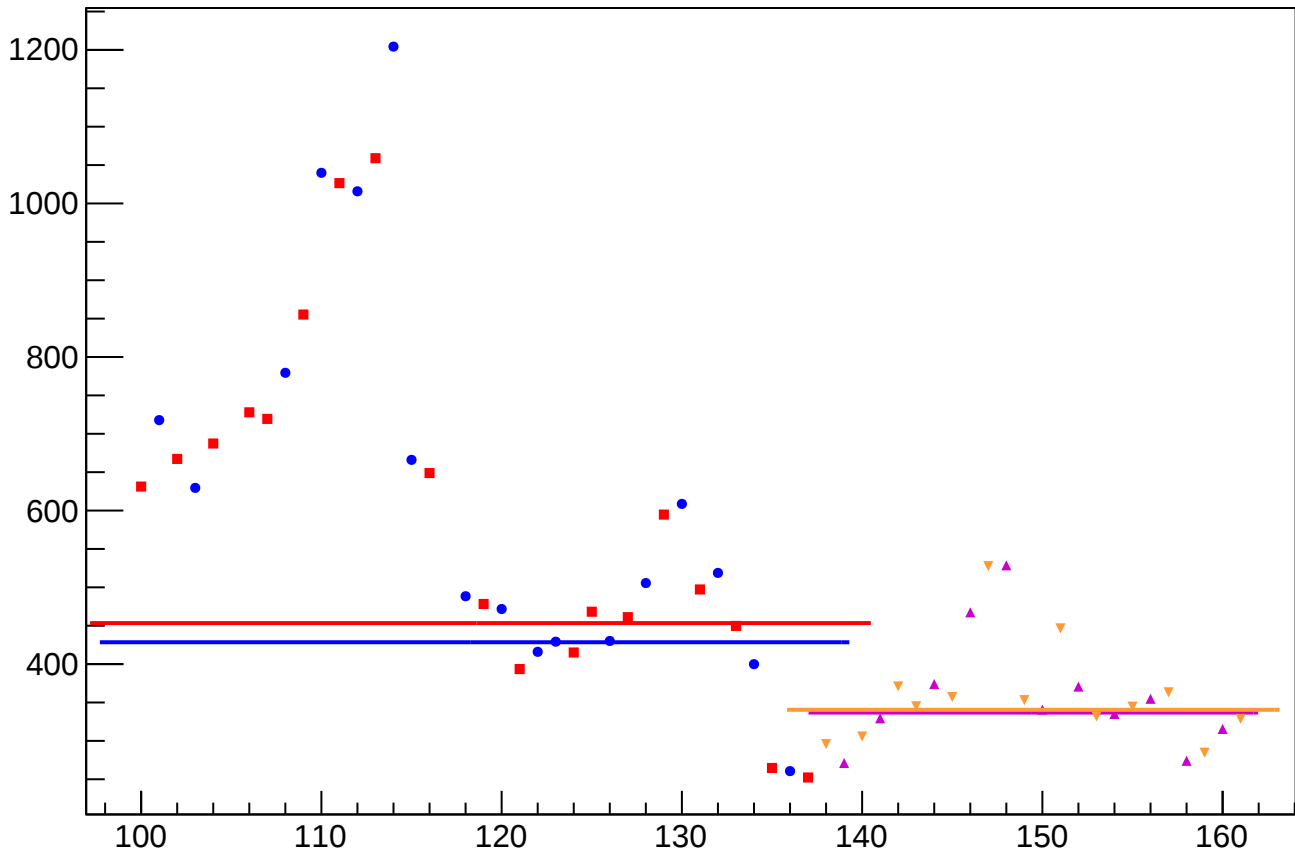
Right Out: -203.062+/-184.353 χ^2/NDF : 21.4/18

Left In: 22.518+/-114.526 χ^2/NDF : 19.7/10

-102.788+/-94.210 χ^2/NDF : 27.3/29

-40.297+/-97.282 χ^2/NDF : 42.2/29

asym_sam1_rms vs Slug



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 340.484+/-0.078 χ^2/NDF : 418075.5/12

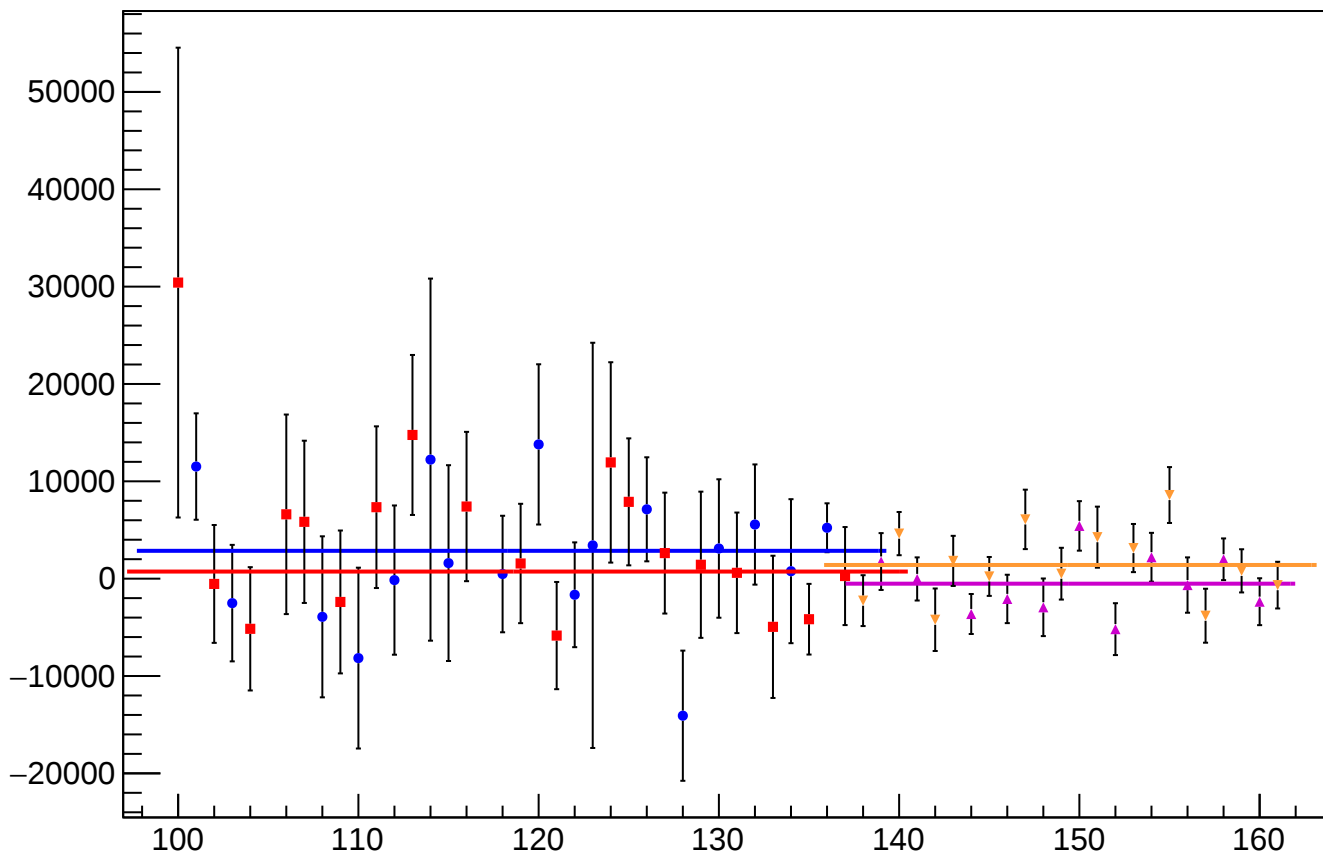
Right Out: 453.435+/-0.130 χ^2/NDF : 2029813.8/18

Left In: 336.876+/-0.081 χ^2/NDF : 543632.7/10

364.512+/-0.067 χ^2/NDF : 2775766.3/29

369.333+/-0.069 χ^2/NDF : 3150324.0/29

asym_sam2_mean vs Slug



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1406.295 $\pm$ 708.812 χ^2 /NDF:21.9/12

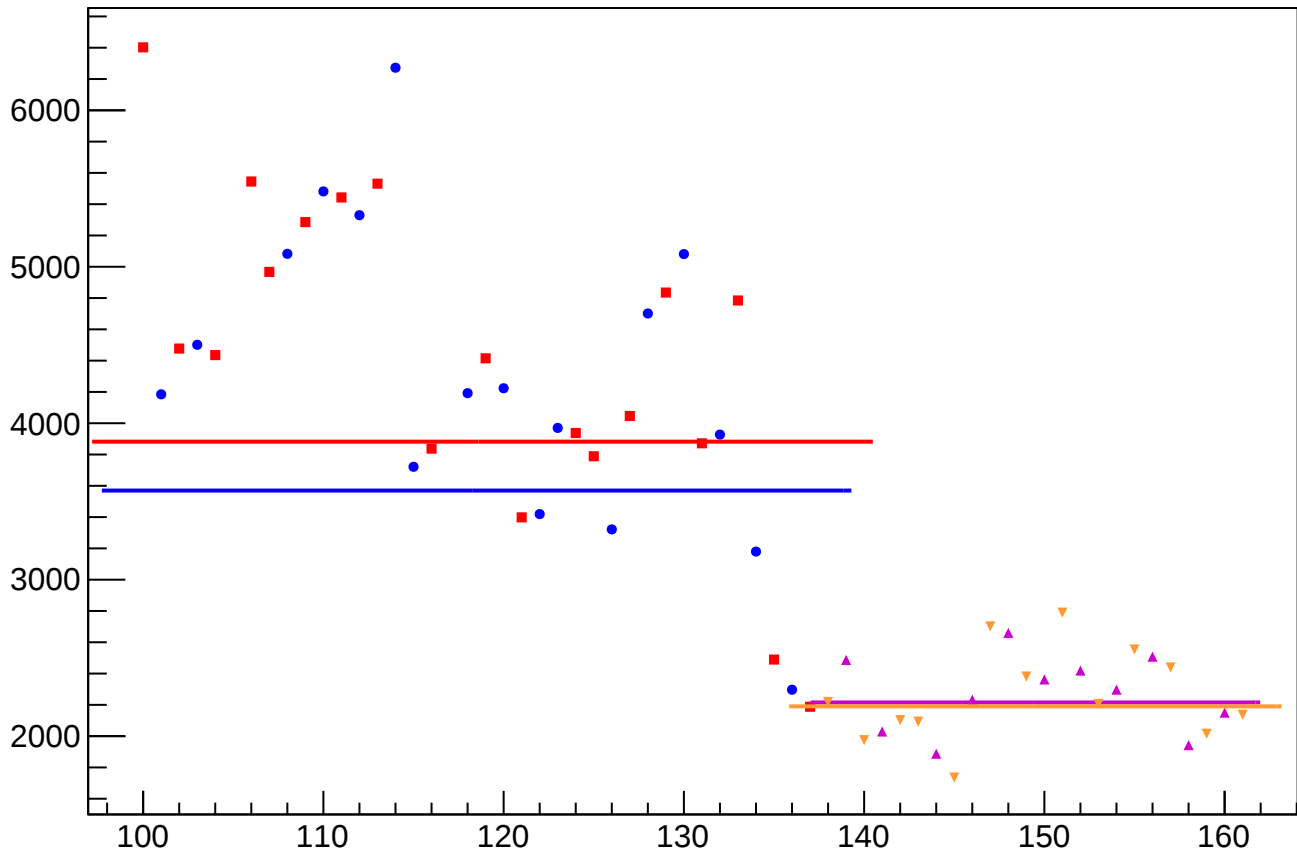
Right Out: 729.571 $\pm$ 1509.224 χ^2 /NDF: 14.0/18

Left In: -515.955 $\pm$ 744.744 χ^2 /NDF:15.7/10

1687.262 $\pm$ 636.620 χ^2 /NDF: 39.4/29

-272.054 $\pm$ 667.857 χ^2 /NDF: 30.2/29

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2190.327+/-0.501 χ^2/NDF : 328463.5/12

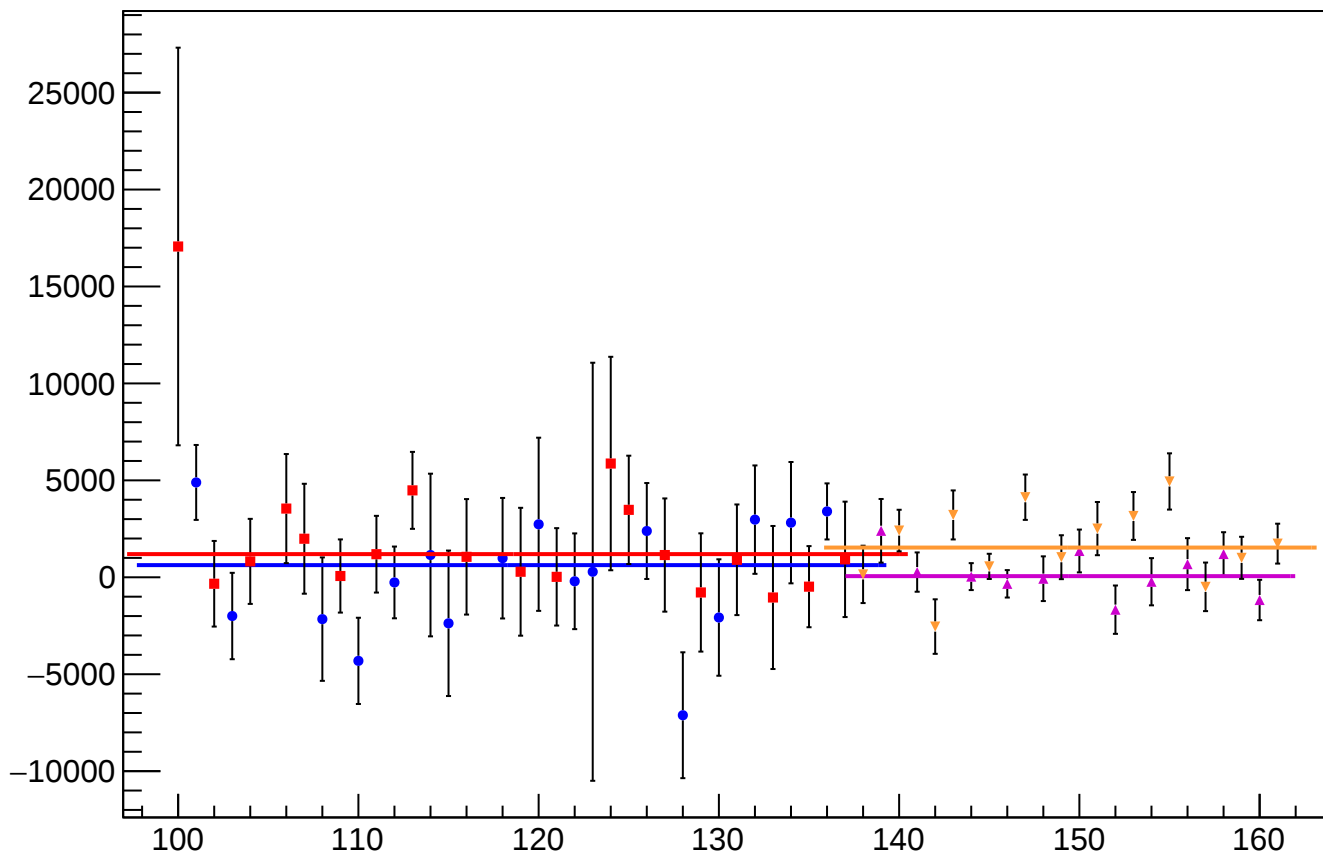
Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

Left In: 2215.452+/-0.527 χ^2/NDF : 203044.5/10

2456.984+/-0.450 χ^2/NDF : 2880531.3/29

2541.831+/-0.472 χ^2/NDF : 3147677.8/29

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1533.191 ± 309.672 χ^2/NDF : 29.7/12

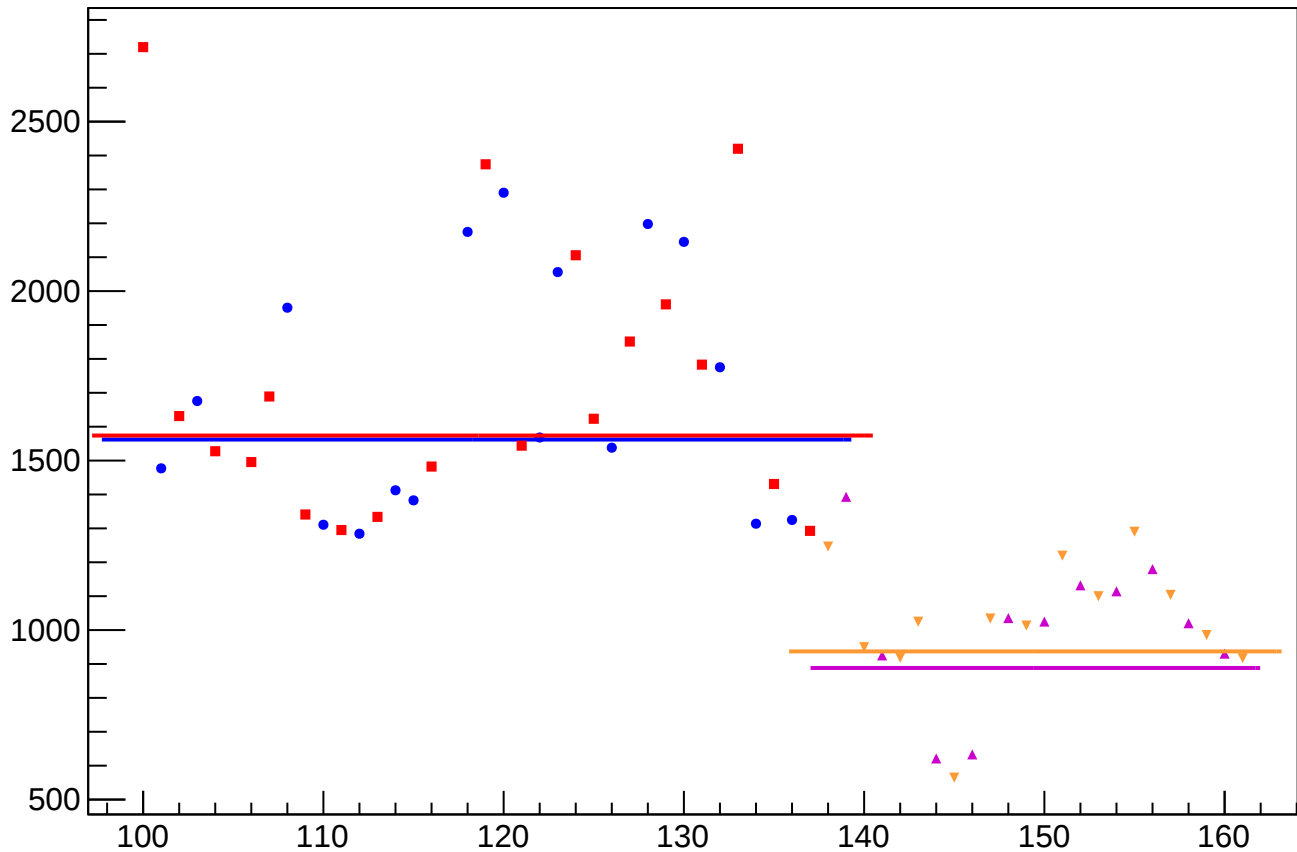
Right Out: 1195.385 ± 603.058 χ^2/NDF : 9.9/18

Left In: 59.366 ± 307.583 χ^2/NDF : 8.4/10

1352.823 ± 277.120 χ^2/NDF : 56.5/29

293.882 ± 274.001 χ^2/NDF : 21.1/29

asym_sam3_rms vs Slug



Right In: 1562.101 ± 0.439 $\chi^2/\text{NDF}: 482088.3/16$

Left Out: 937.060 ± 0.219 $\chi^2/\text{NDF}: 1054778.1/12$

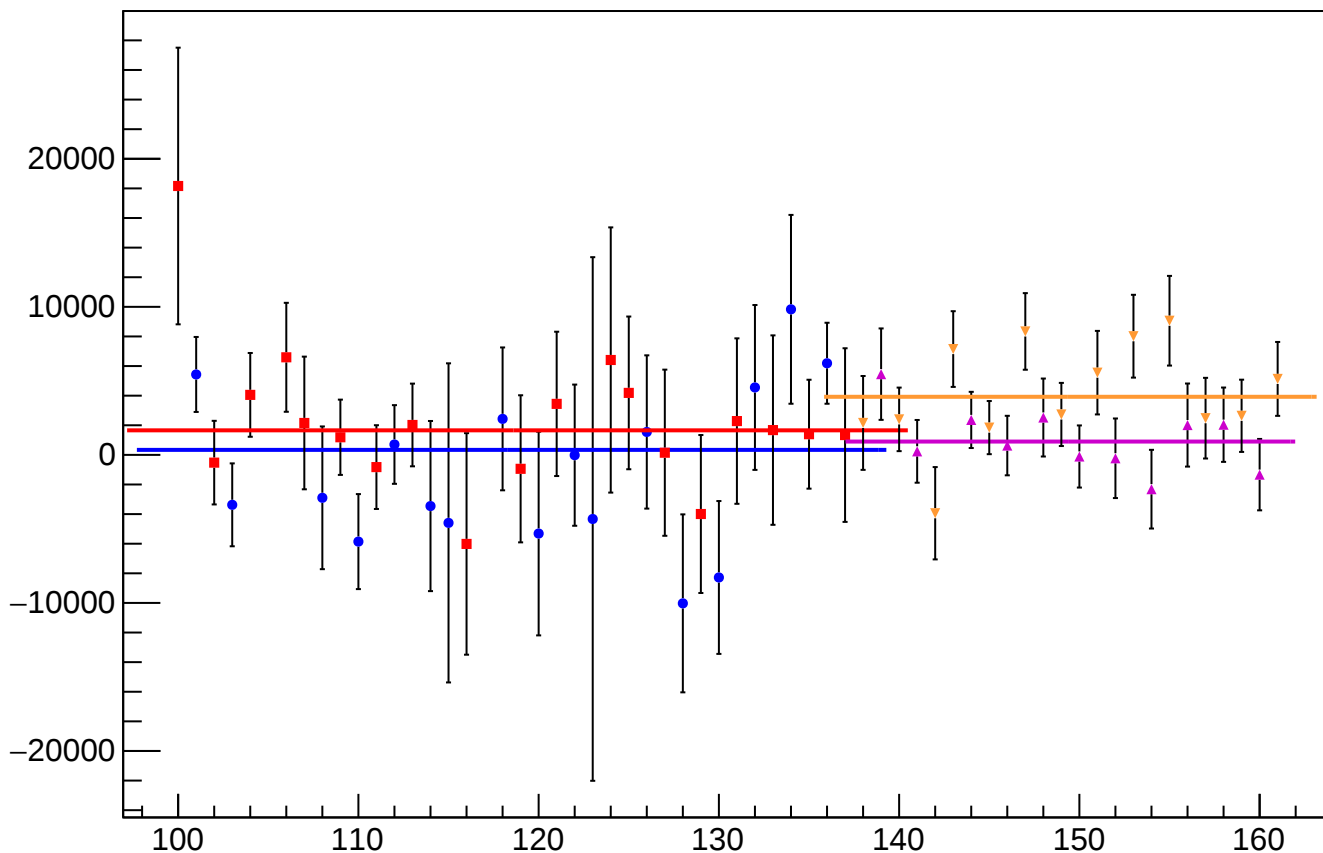
Right Out: 1573.906 ± 0.426 $\chi^2/\text{NDF}: 463991.4/18$

Left In: 888.218 ± 0.217 $\chi^2/\text{NDF}: 1081362.3/10$

1061.558 ± 0.196 $\chi^2/\text{NDF}: 3159783.4/29$

1029.769 ± 0.194 $\chi^2/\text{NDF}: 3597212.7/29$

asym_sam4_mean vs Slug



Right In: 338.117+/-995.842 χ^2/NDF : 24.8/16

Left Out: 3924.218+/-693.774 χ^2/NDF : 19.5/12

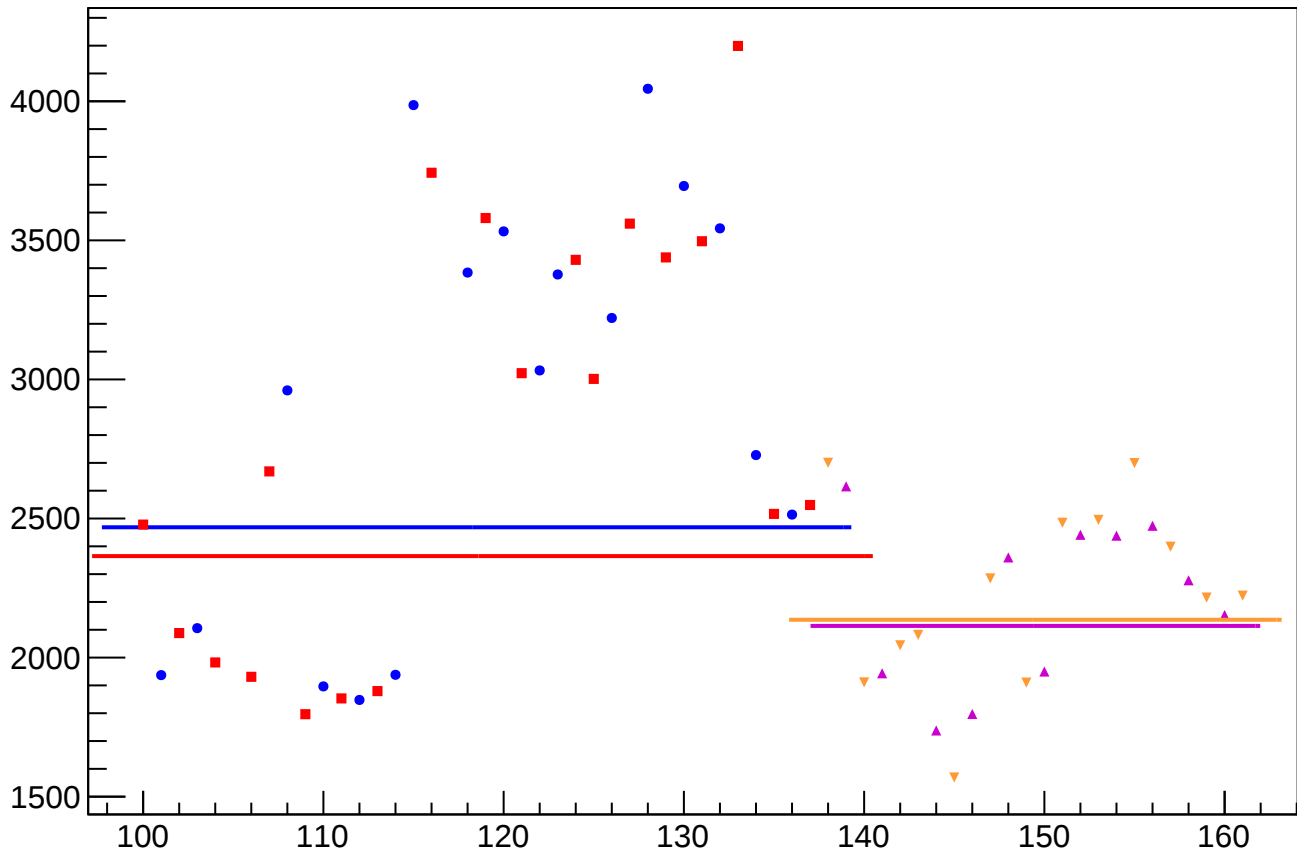
Right Out: 1658.069+/-924.453 χ^2/NDF : 10.3/18

Left In: 900.182+/-713.950 χ^2/NDF : 6.4/10

2752.431+/-569.251 χ^2/NDF : 53.0/29

1183.333+/-565.056 χ^2/NDF : 17.0/29

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2136.000+/-0.491 χ^2/NDF : 472349.0/12

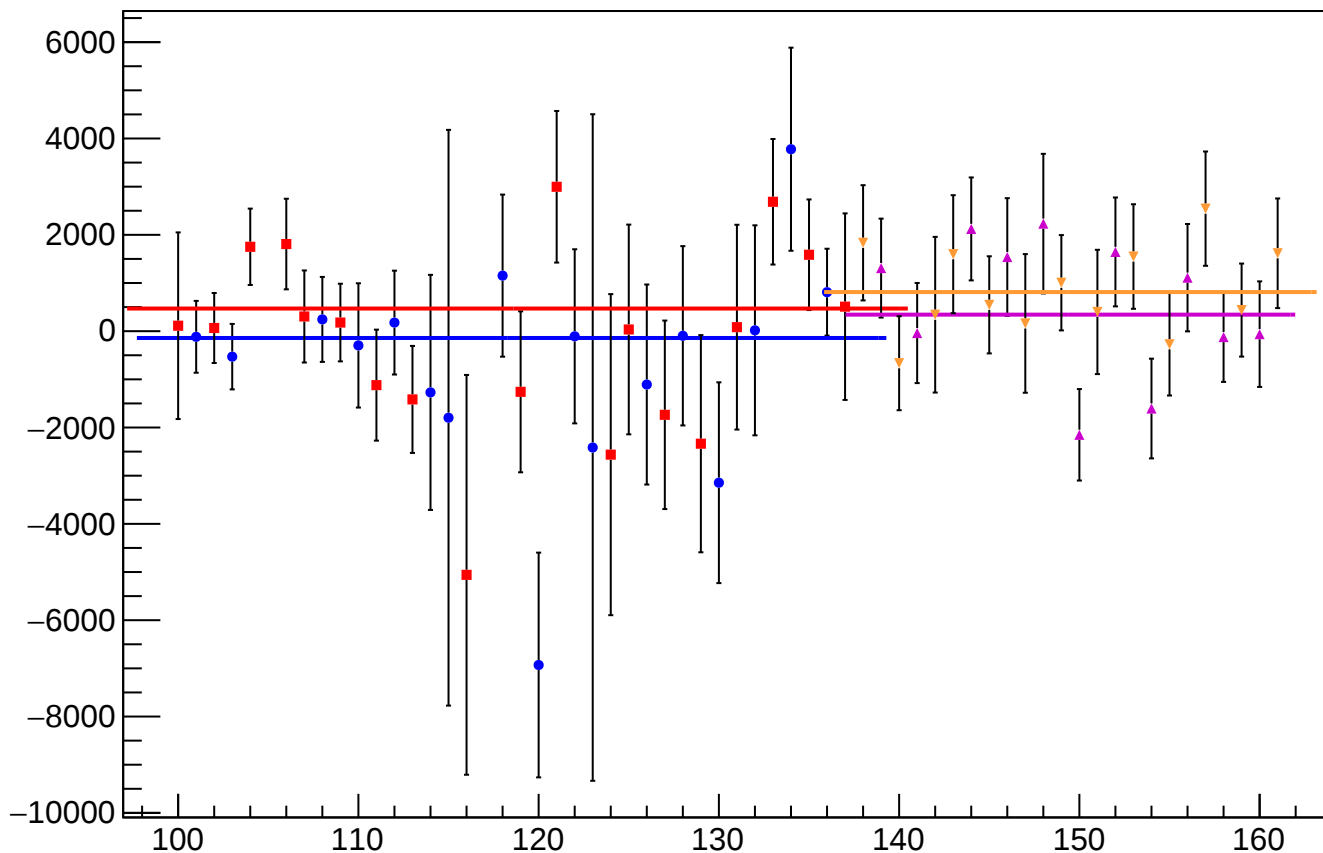
2244.643+/-0.403 χ^2/NDF : 1518600.6/29

Right Out: 2364.833+/-0.654 χ^2/NDF : 1025161.0/18

2207.643+/-0.400 χ^2/NDF : 1442535.7/29

Left In: 2113.889+/-0.505 χ^2/NDF : 325061.6/10

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 812.000+/-313.498 χ^2/NDF : 8.2/12

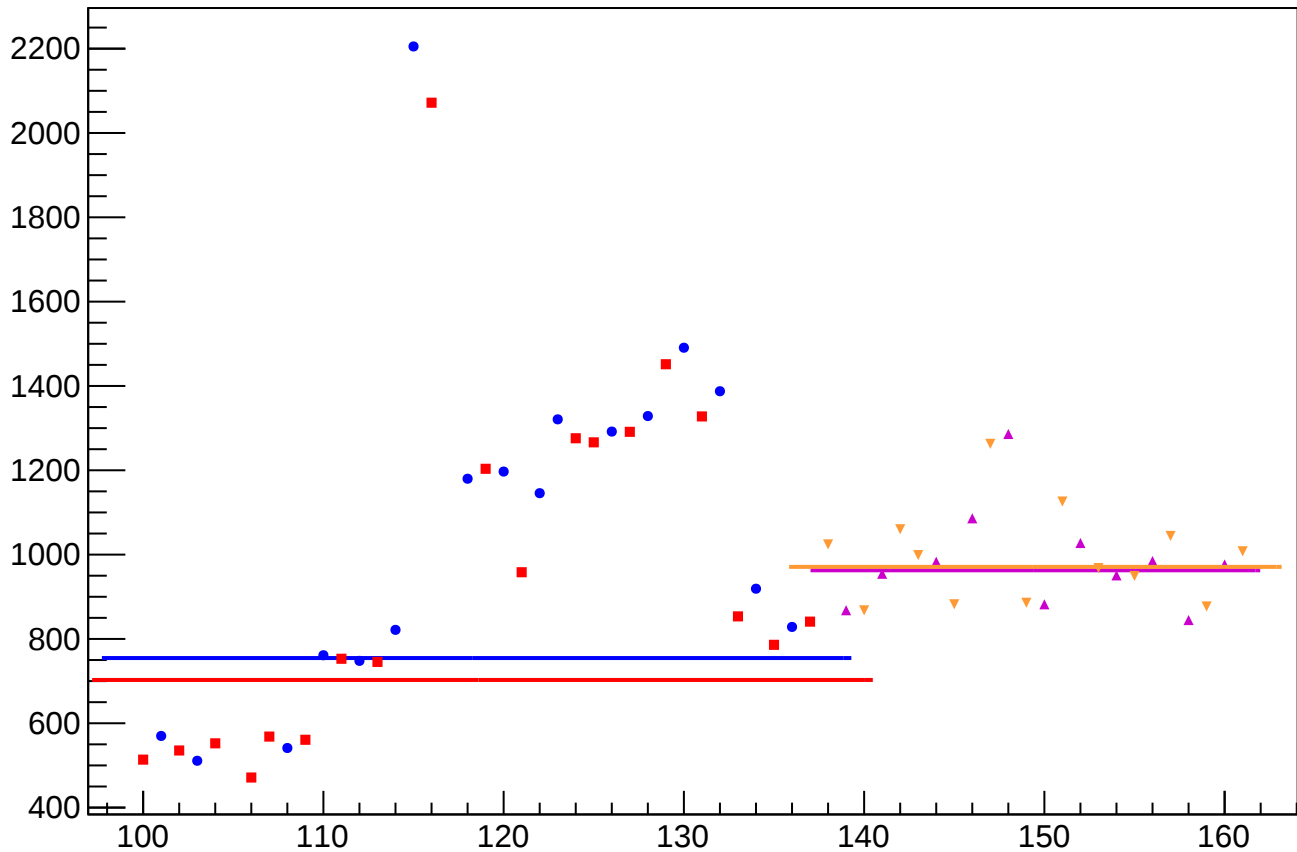
Right Out: 470.143+/-282.892 χ^2/NDF : 22.9/18

Left In: 343.209+/-324.241 χ^2/NDF : 19.1/10

335.121+/-221.613 χ^2/NDF : 29.8/29

415.281+/-213.165 χ^2/NDF : 42.1/29

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 970.932+/-0.222 χ^2/NDF : 204350.8/12

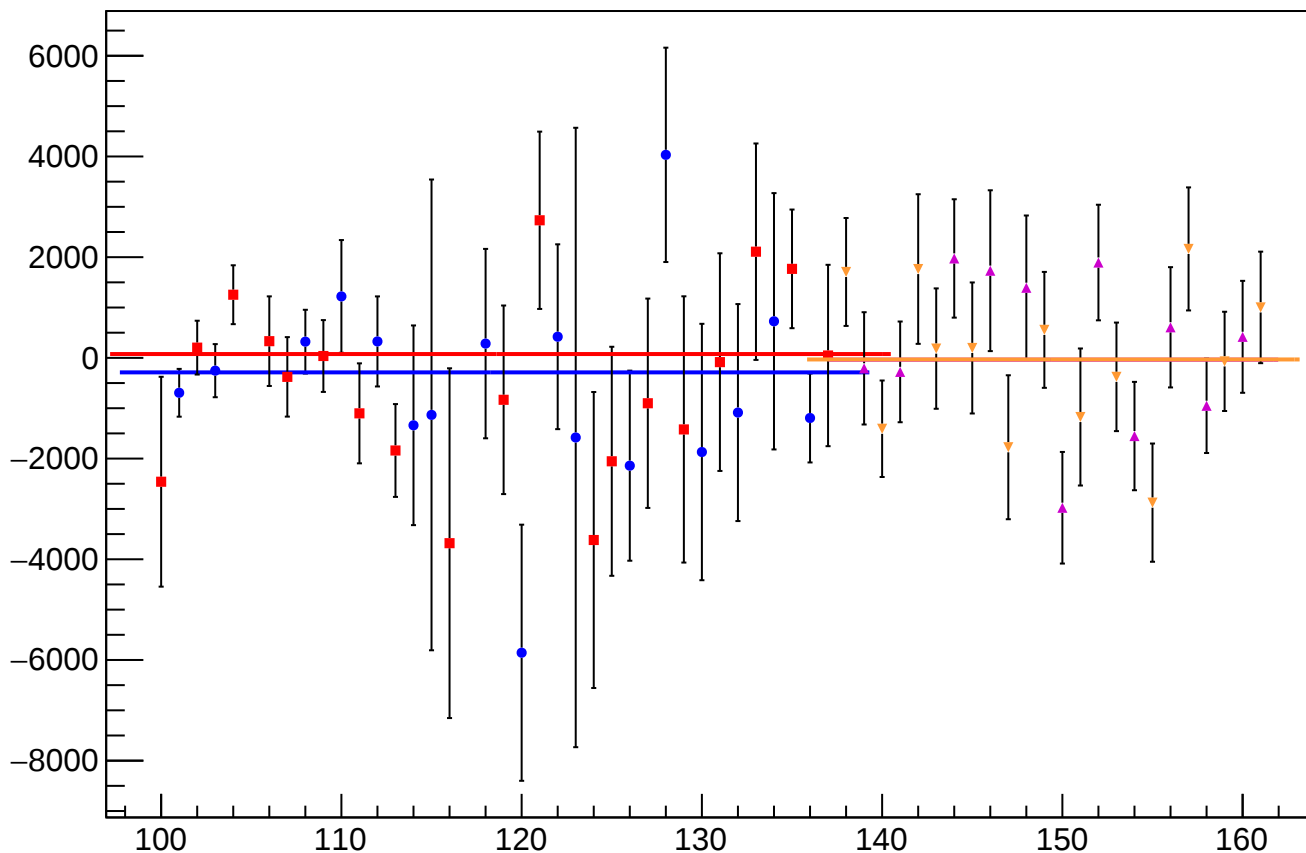
Right Out: 702.721+/-0.200 χ^2/NDF : 1691602.9/18

Left In: 962.782+/-0.229 χ^2/NDF : 192233.0/10

862.746+/-0.157 χ^2/NDF : 2371055.0/29

815.122+/-0.151 χ^2/NDF : 2614355.2/29

asym_sam6_mean vs Slug



Right In: -288.037 ± 250.436 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -31.408 ± 322.960 $\chi^2/\text{NDF}: 18.7/12$

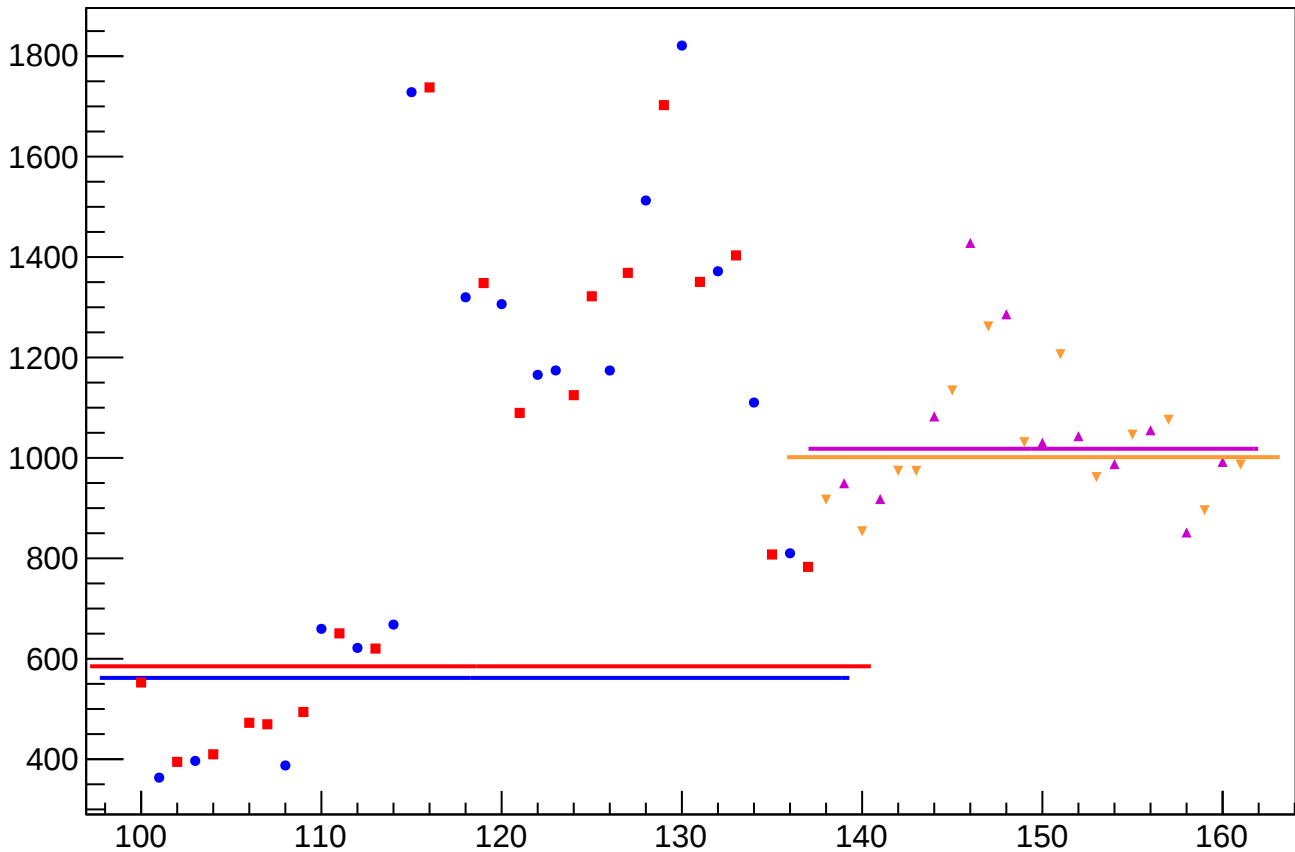
Right Out: 76.119 ± 246.083 $\chi^2/\text{NDF}: 21.4/18$

Left In: -35.940 ± 343.242 $\chi^2/\text{NDF}: 18.5/10$

-191.671 ± 197.906 $\chi^2/\text{NDF}: 35.3/29$

38.075 ± 199.995 $\chi^2/\text{NDF}: 39.9/29$

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 1001.485+/-0.228 χ^2/NDF : 231939.3/12

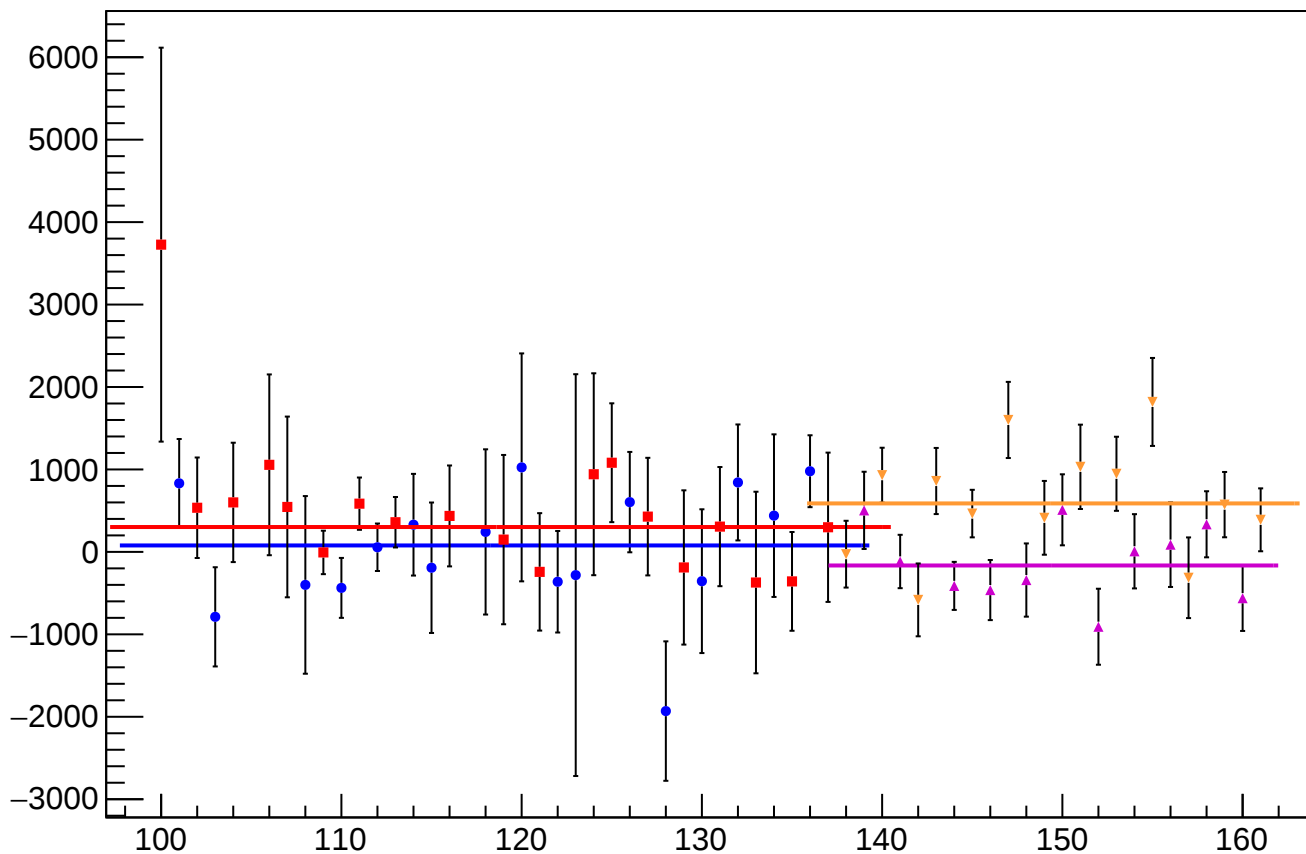
726.964+/-0.140 χ^2/NDF : 5762548.3/29

Right Out: 584.993+/-0.174 χ^2/NDF : 2824449.5/18

732.067+/-0.141 χ^2/NDF : 5232723.4/29

Left In: 1018.203+/-0.243 χ^2/NDF : 304005.1/10

asym_sam7_mean vs Slug



Right In: 78.184 ± 142.869 $\chi^2/\text{NDF}: 19.8/16$

Left Out: 587.937 ± 113.315 $\chi^2/\text{NDF}: 26.4/12$

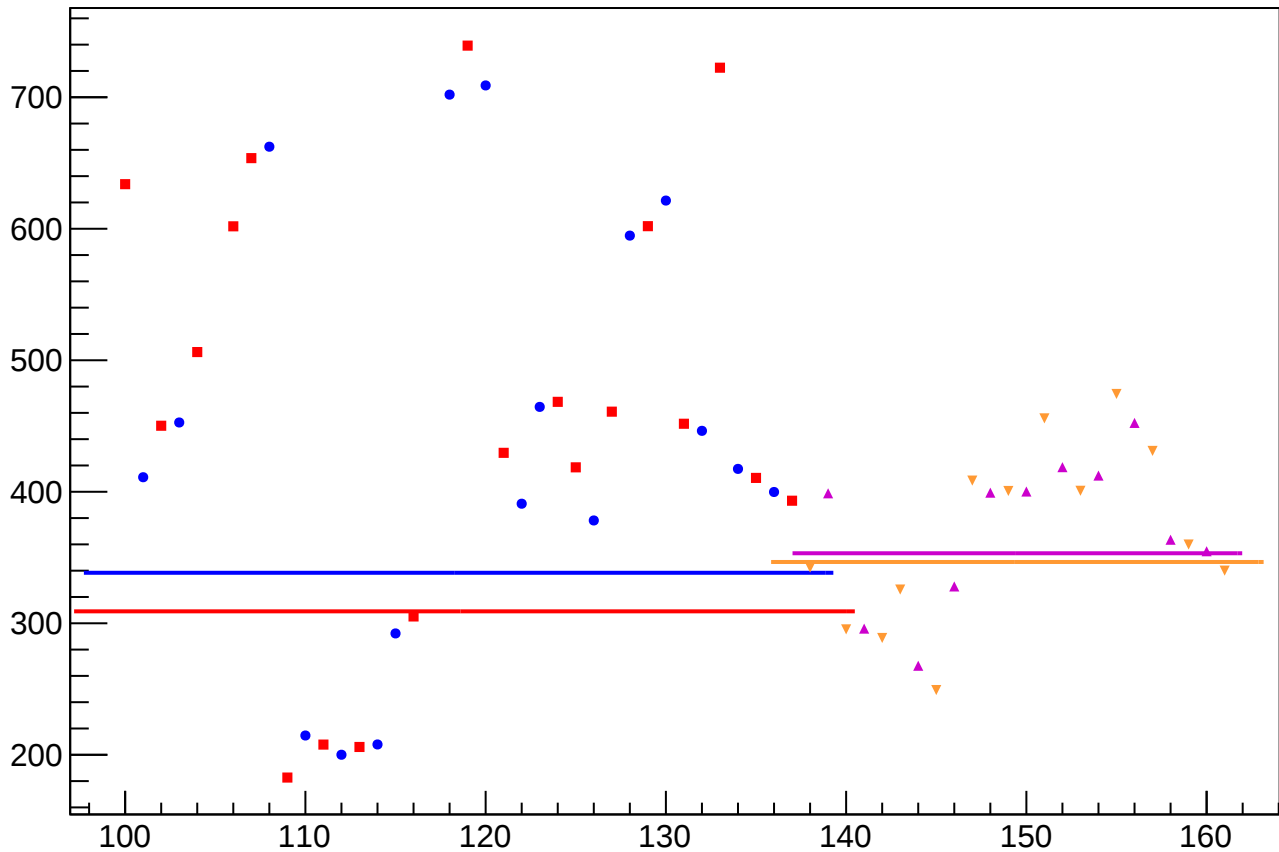
Right Out: 301.651 ± 129.650 $\chi^2/\text{NDF}: 9.1/18$

Left In: -164.795 ± 119.634 $\chi^2/\text{NDF}: 11.6/10$

391.096 ± 88.780 $\chi^2/\text{NDF}: 54.0/29$

49.718 ± 87.922 $\chi^2/\text{NDF}: 27.7/29$

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 346.618 $\pm$ 0.080 χ^2 /NDF: 677725.0/12

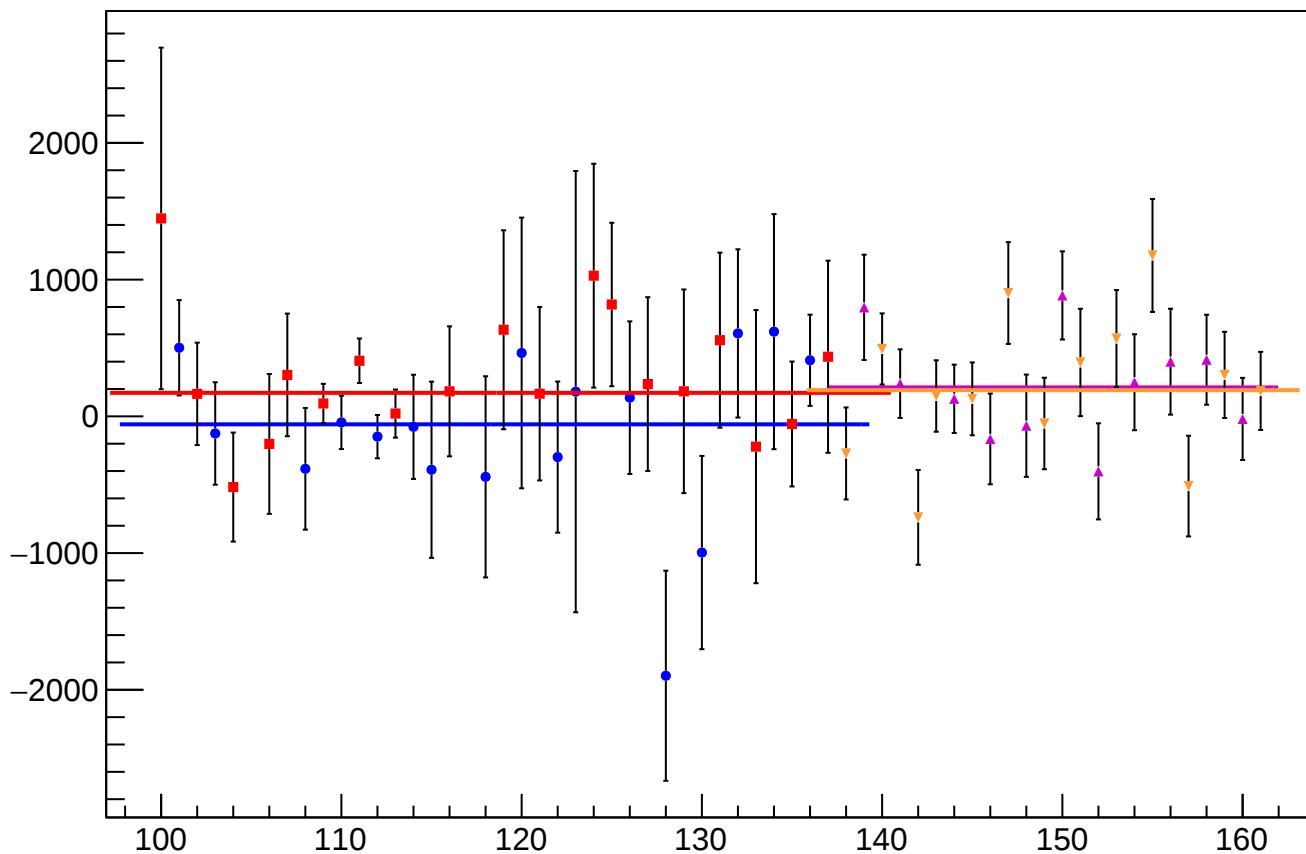
343.448 $\pm$ 0.063 χ^2 /NDF: 2691066.5/29

Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

332.937 $\pm$ 0.062 χ^2 /NDF: 3318419.5/29

Left In: 353.249 $\pm$ 0.085 χ^2 /NDF: 459584.4/10

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 191.672 ± 88.802 χ^2/NDF : 25.5/12

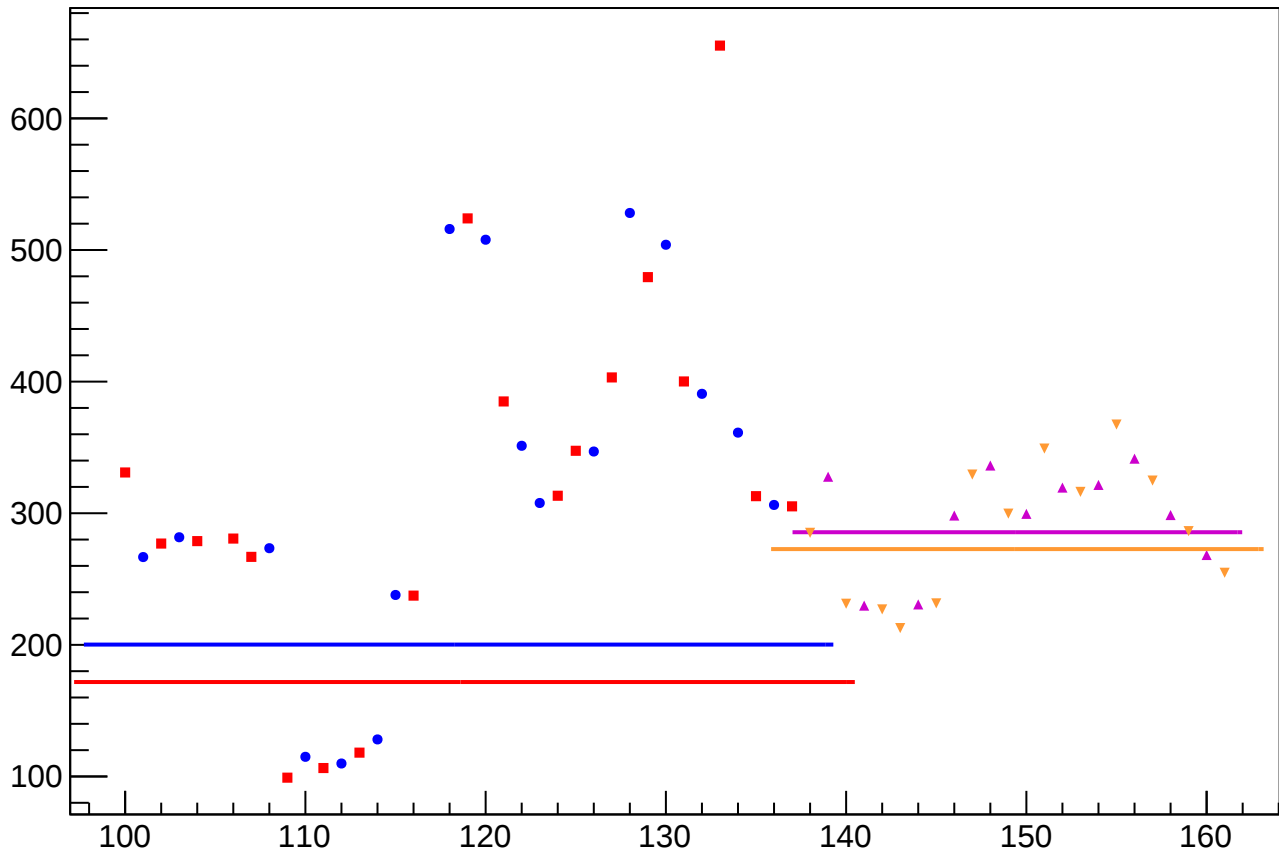
Right Out: 171.954 ± 76.920 χ^2/NDF : 11.3/18

Left In: 211.762 ± 96.365 χ^2/NDF : 12.9/10

69.032 ± 63.379 χ^2/NDF : 45.3/29

187.447 ± 60.117 χ^2/NDF : 24.4/29

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 272.760+/-0.063 χ^2/NDF :563635.4/12

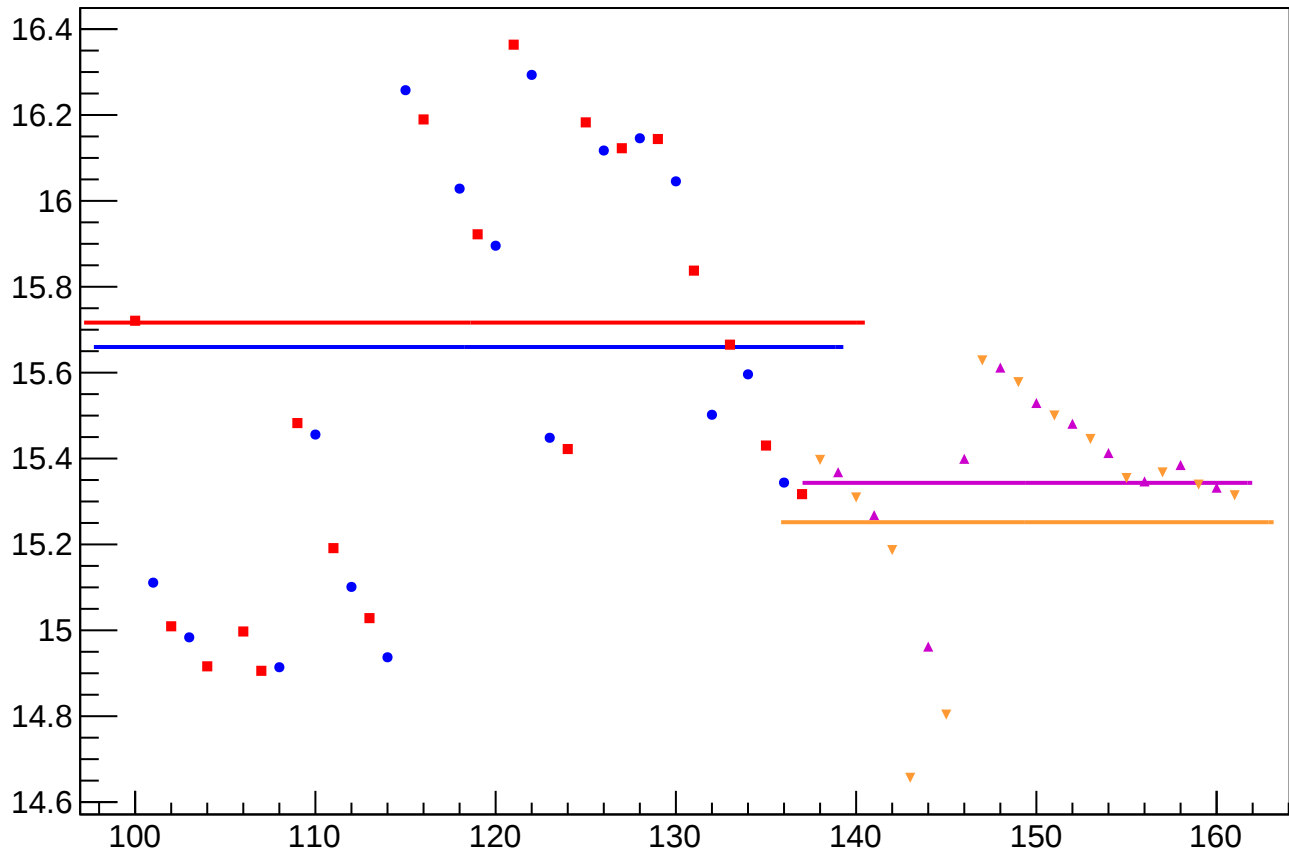
237.165+/-0.045 χ^2/NDF : 4605799.0/29

Right Out: 171.757+/-0.054 χ^2/NDF : 4093922.6/18

216.052+/-0.043 χ^2/NDF : 6151579.6/29

Left In: 285.572+/-0.068 χ^2/NDF :353522.2/10

yield_sam1_mean vs Slug



Right In: 15.660+/-0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.252+/-0.000 χ^2/NDF : 6305748248.4/12

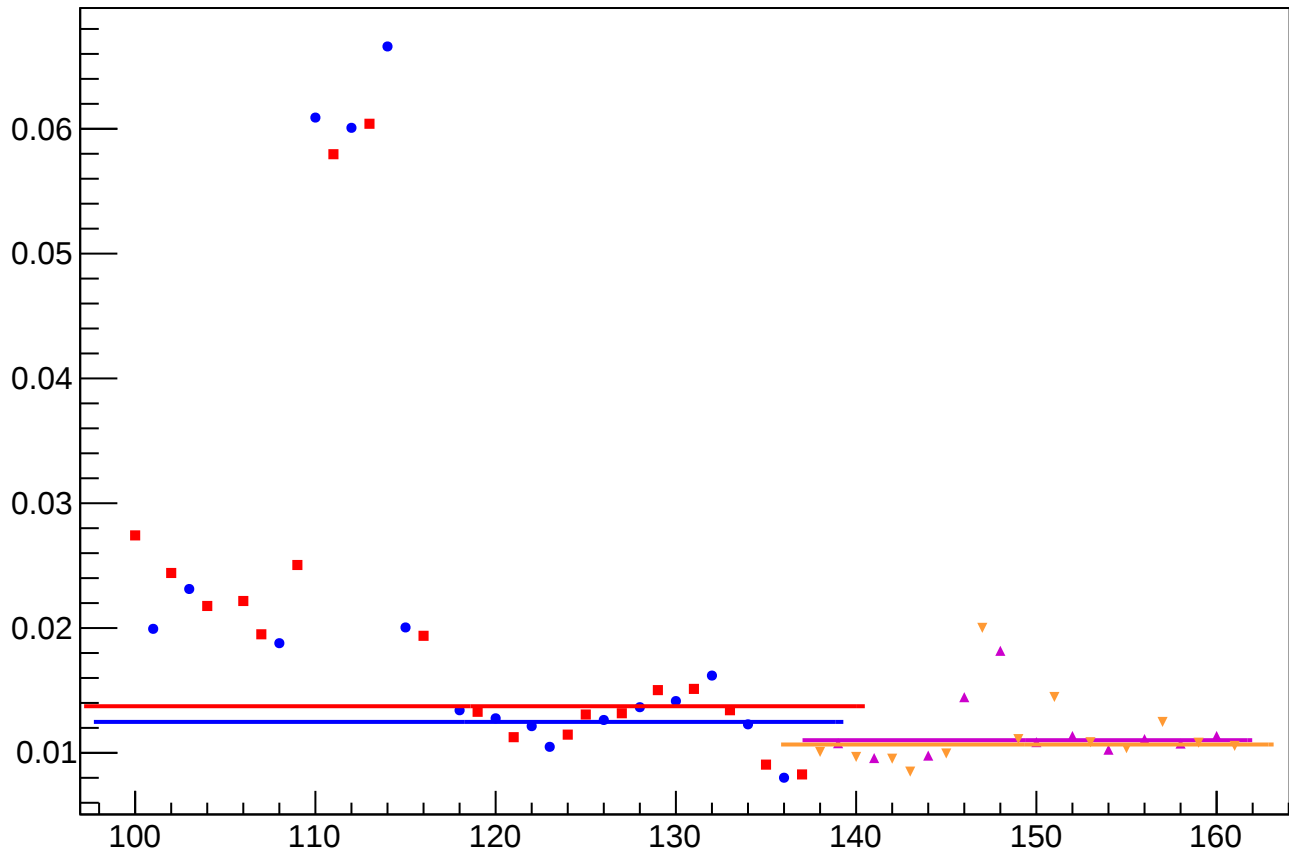
Right Out: 15.717+/-0.000 χ^2/NDF : 5461829475.3/18

Left In: 15.343+/-0.000 χ^2/NDF : 1881613179.4/10

15.373+/-0.000 χ^2/NDF : 15964713278.5/29

15.454+/-0.000 χ^2/NDF : 10176941767.2/29

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:583128.9/12

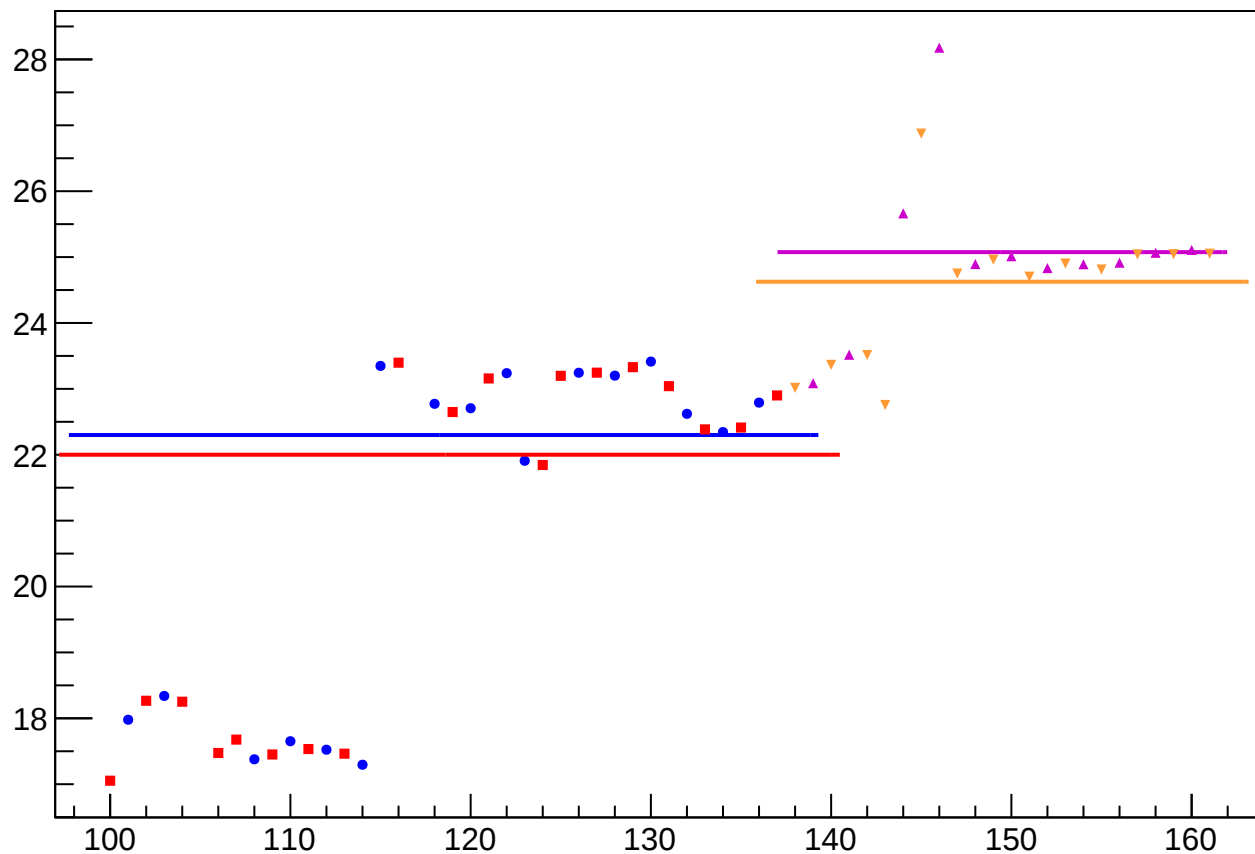
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:395053.9/10

0.011 $\pm$ 0.000 χ^2 /NDF: 2888738.6/29

0.012 $\pm$ 0.000 χ^2 /NDF: 2773946.9/29

yield_sam2_mean vs Slug



Right In: 22.300 ± 0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.626 ± 0.000 χ^2/NDF : 854956122.2/12

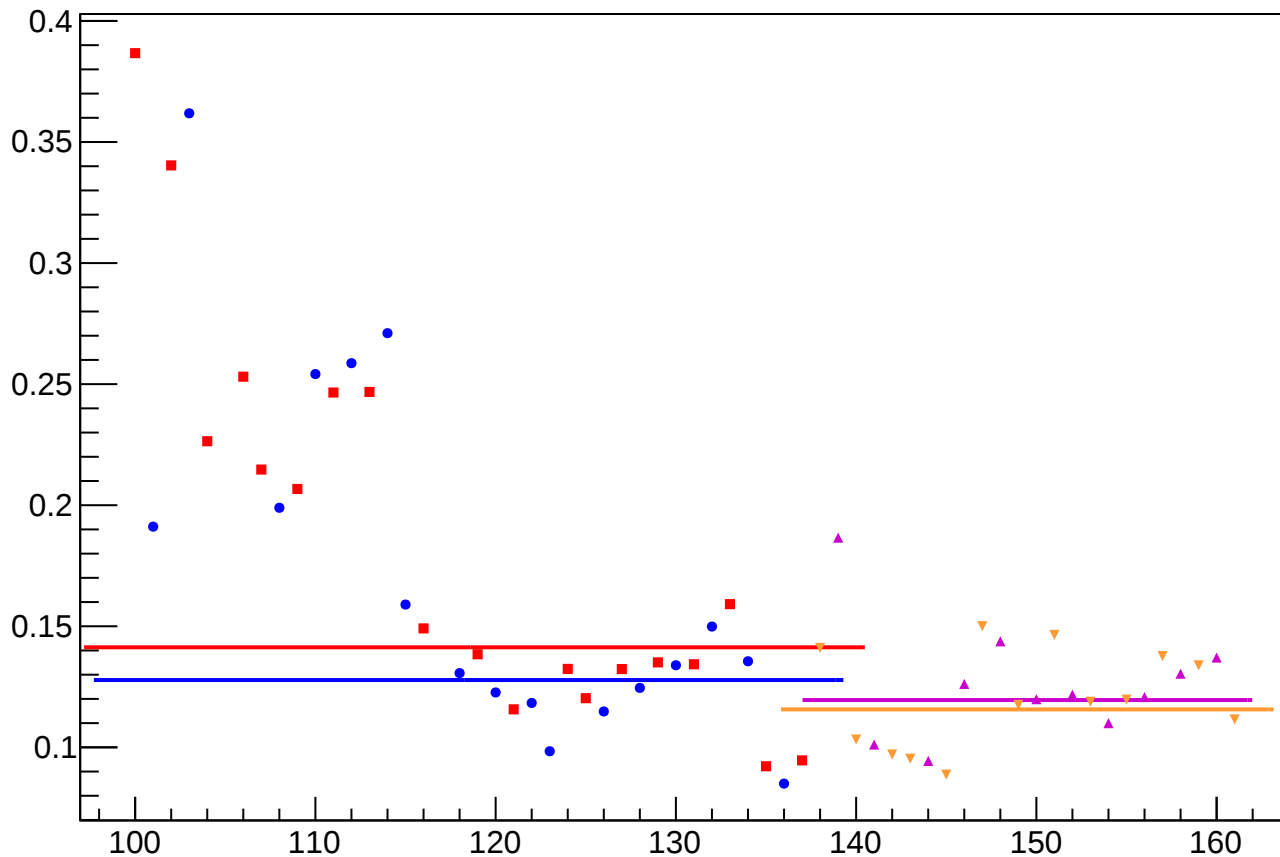
Right Out: 22.001 ± 0.000 χ^2/NDF : 1066041325.5/18

Left In: 25.075 ± 0.000 χ^2/NDF : 698094302.1/10

23.843 ± 0.000 χ^2/NDF : 2905283702.2/29

24.030 ± 0.000 χ^2/NDF : 3484157126.8/29

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.116+/-0.000 χ^2/NDF : 451594.8/12

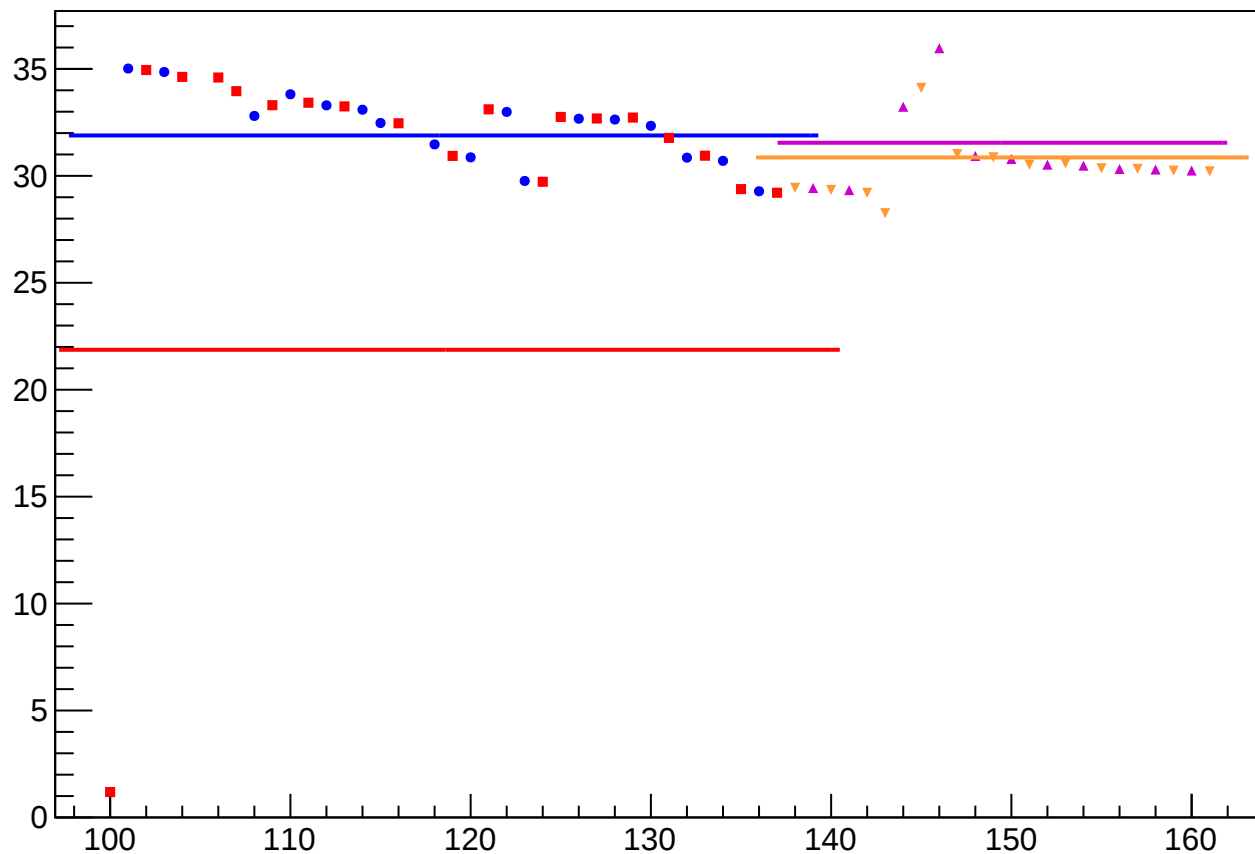
Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

Left In: 0.120+/-0.000 χ^2/NDF : 423694.0/10

0.120+/-0.000 χ^2/NDF : 2004176.4/29

0.127+/-0.000 χ^2/NDF : 2045661.9/29

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 30.861+/-0.000 χ^2/NDF : 4462097851.5/12

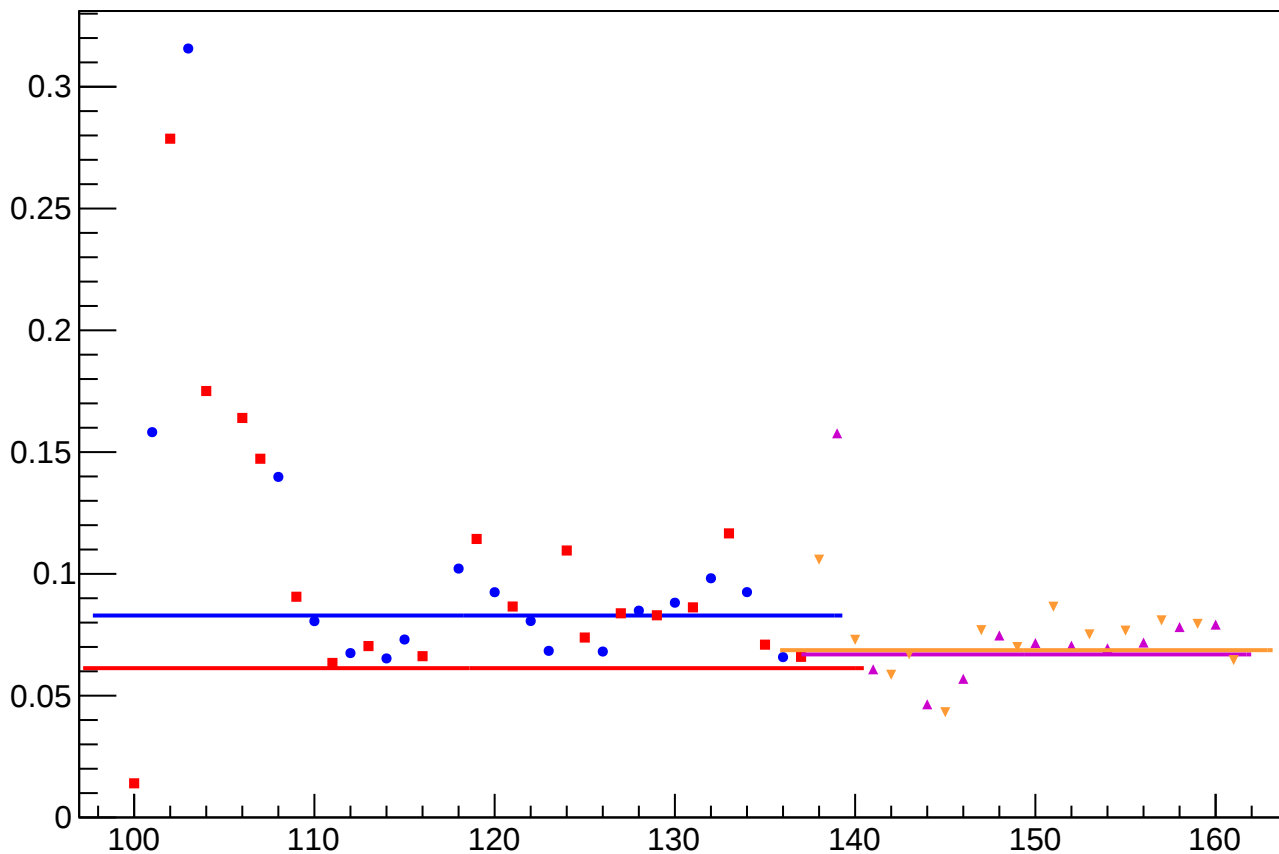
Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18

Left In: 31.548+/-0.000 χ^2/NDF : 6251955837.6/10

31.186+/-0.000 χ^2/NDF : 6908059585.1/29

27.525+/-0.000 χ^2/NDF : 294623495777.7/29

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.069+/-0.000 χ^2/NDF : 689172.2/12

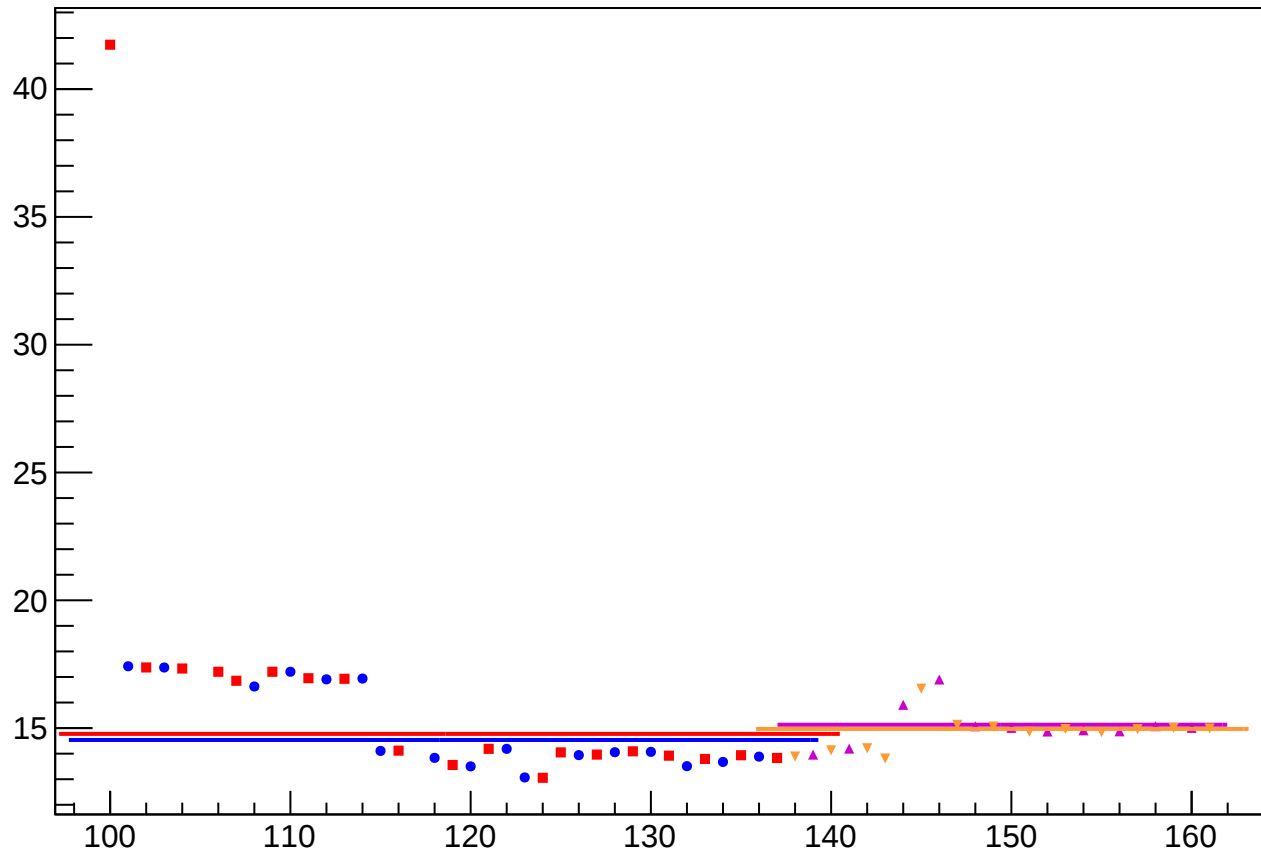
Right Out: 0.061+/-0.000 χ^2/NDF : 3603853.3/18

Left In: 0.067+/-0.000 χ^2/NDF : 836663.8/10

0.073+/-0.000 χ^2/NDF : 2050894.7/29

0.065+/-0.000 χ^2/NDF : 4480144.2/29

yield_sam4_mean vs Slug



Right In: 14.536 ± 0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.967 ± 0.000 χ^2/NDF : 947294616.7/12

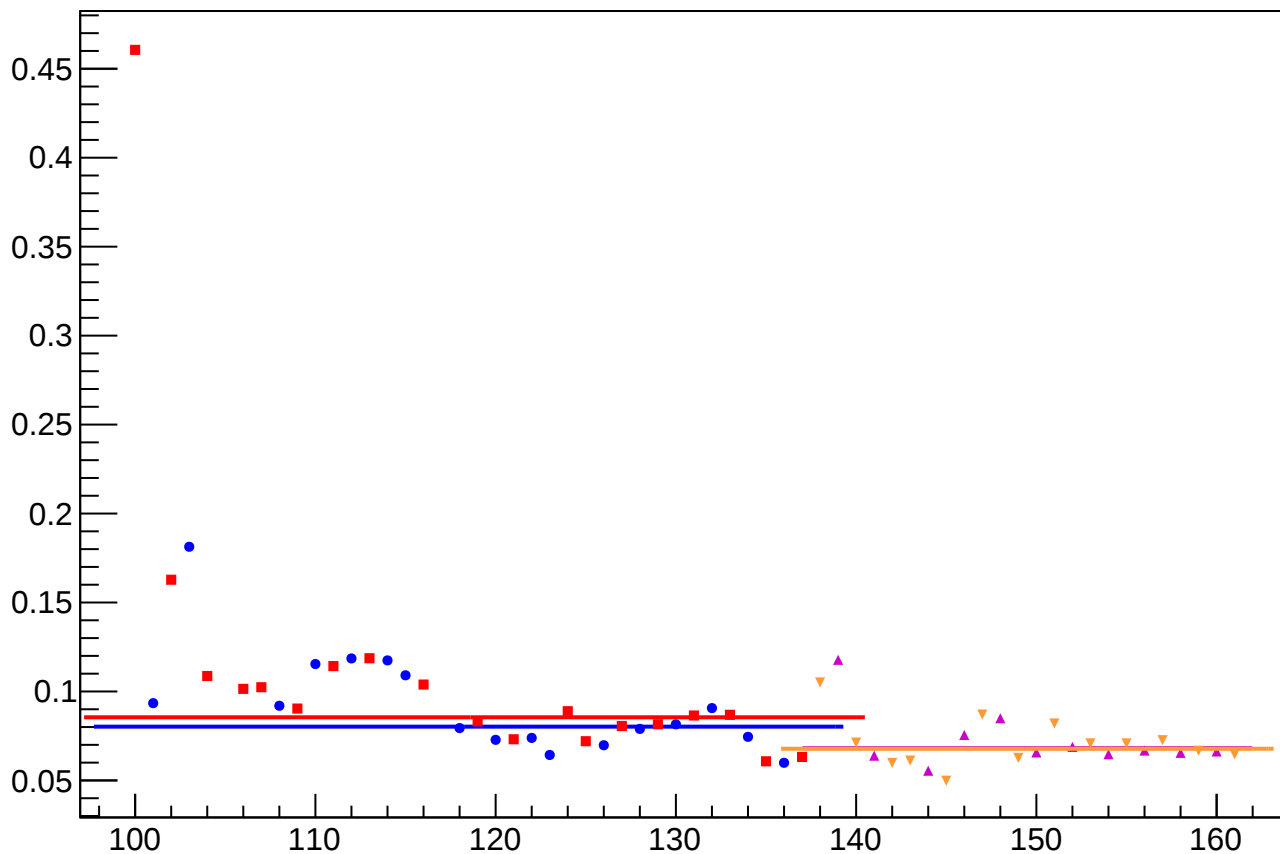
Right Out: 14.774 ± 0.000 χ^2/NDF : 1886755709.2/18

Left In: 15.132 ± 0.000 χ^2/NDF : 737736961.4/10

14.825 ± 0.000 χ^2/NDF : 2524881661.3/29

15.013 ± 0.000 χ^2/NDF : 2693546050.6/29

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.068+/-0.000 χ^2/NDF : 471904.5/12

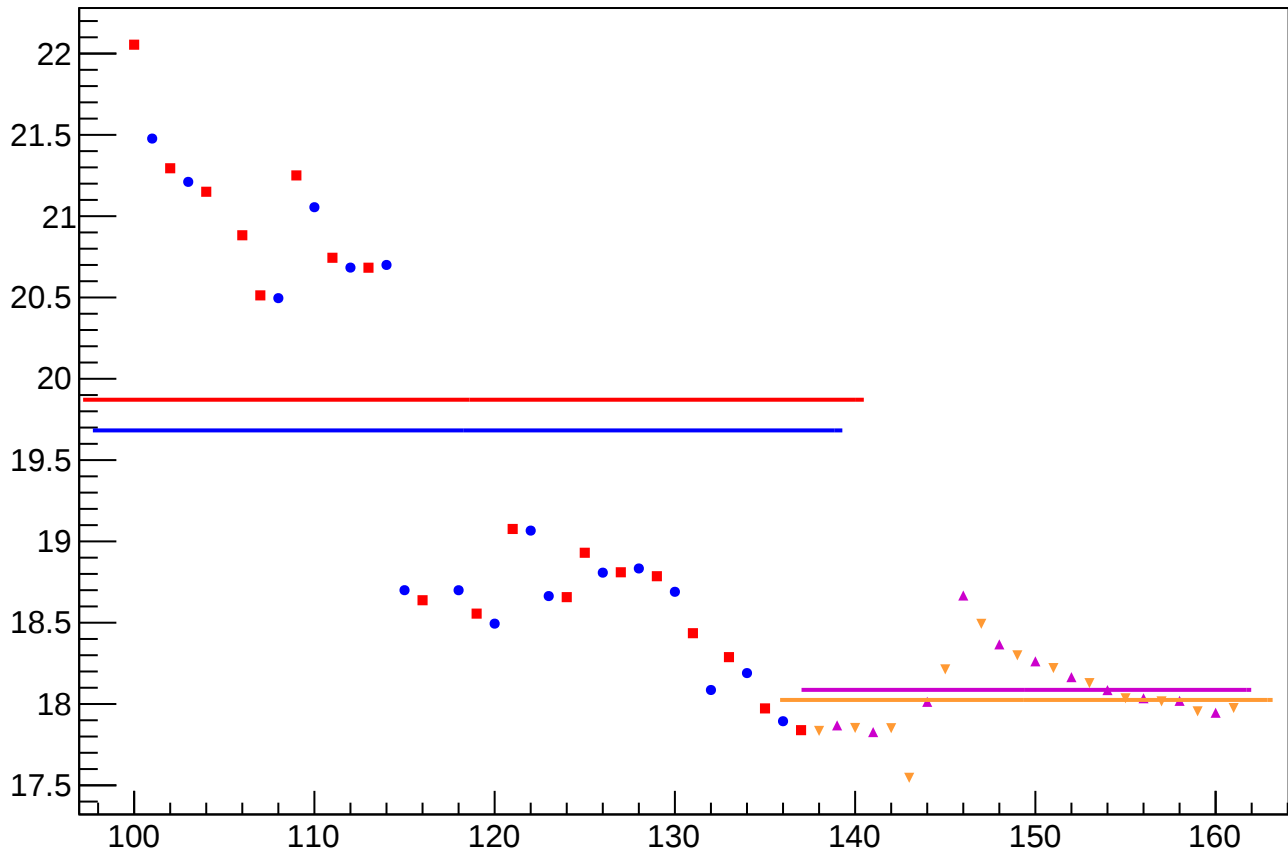
Right Out: 0.085+/-0.000 χ^2/NDF : 738043.0/18

Left In: 0.068+/-0.000 χ^2/NDF : 403771.3/10

0.072+/-0.000 χ^2/NDF : 1427950.1/29

0.074+/-0.000 χ^2/NDF : 1465592.2/29

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.025+/-0.000 χ^2/NDF : 405340916.8/12

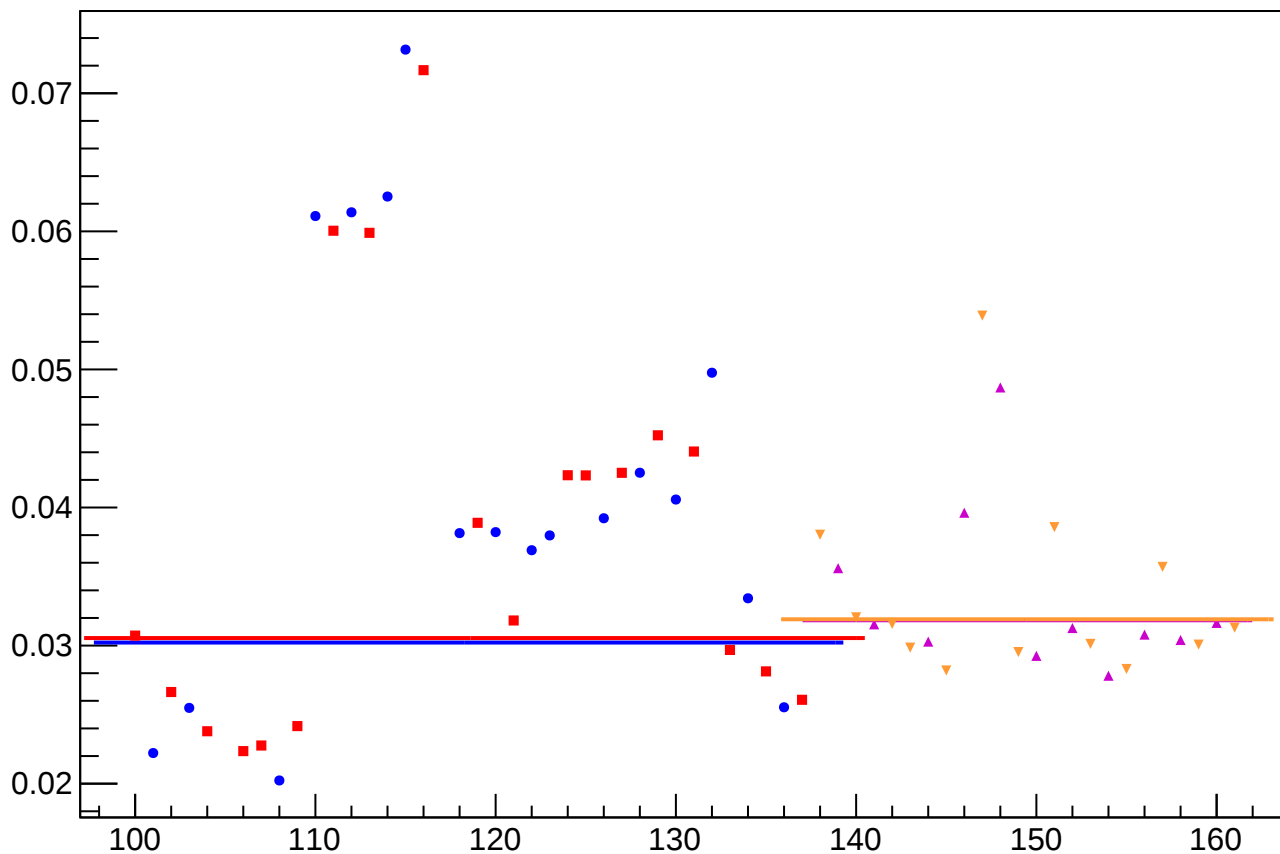
18.697+/-0.000 χ^2/NDF : 22667546080.8/29

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

18.853+/-0.000 χ^2/NDF : 23144658208.0/29

Left In: 18.087+/-0.000 χ^2/NDF : 328968745.7/10

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032+/-0.000 χ^2/NDF : 424451.0/12

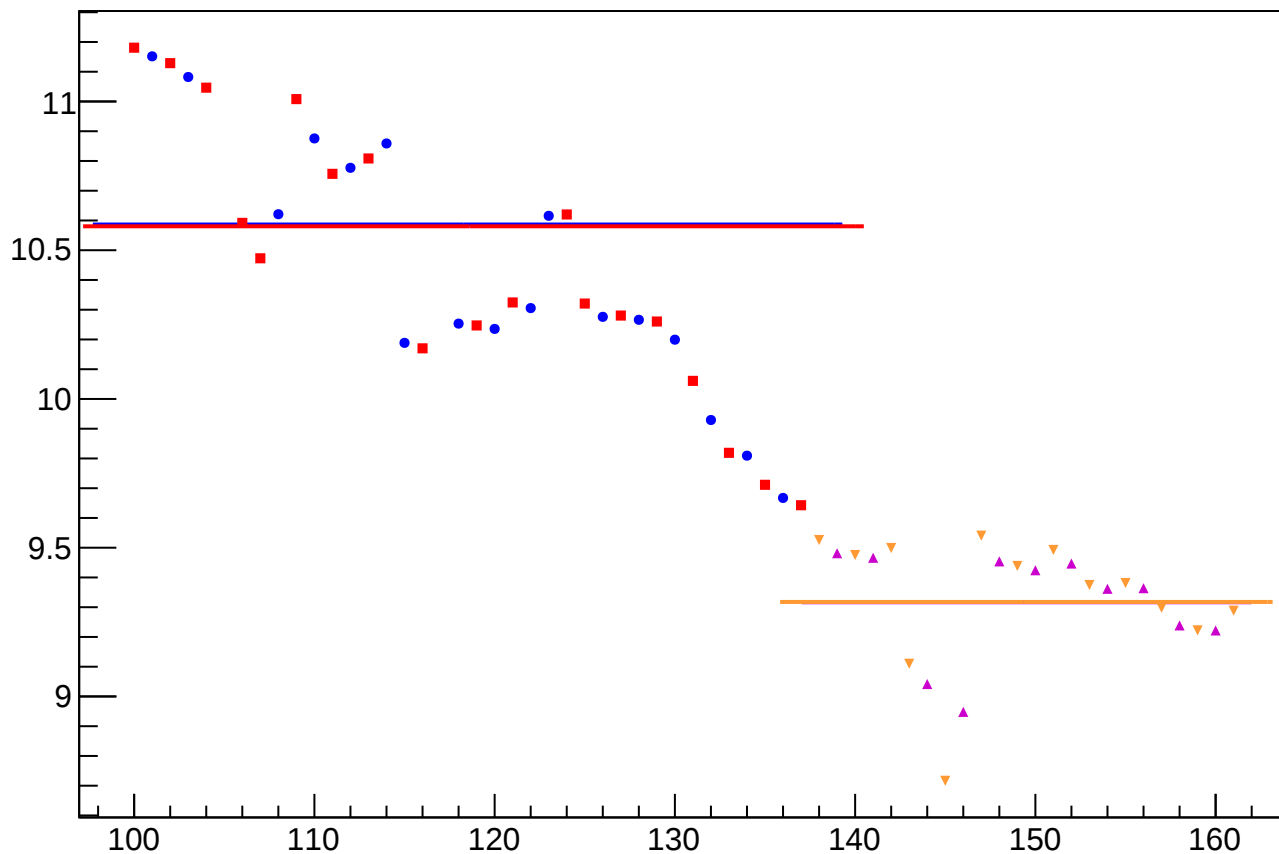
Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

Left In: 0.032+/-0.000 χ^2/NDF : 314741.7/10

0.031+/-0.000 χ^2/NDF : 1769583.9/29

0.031+/-0.000 χ^2/NDF : 1516456.8/29

yield_sam6_mean vs Slug



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.318+/-0.000 χ^2/NDF : 1061792744.9/12

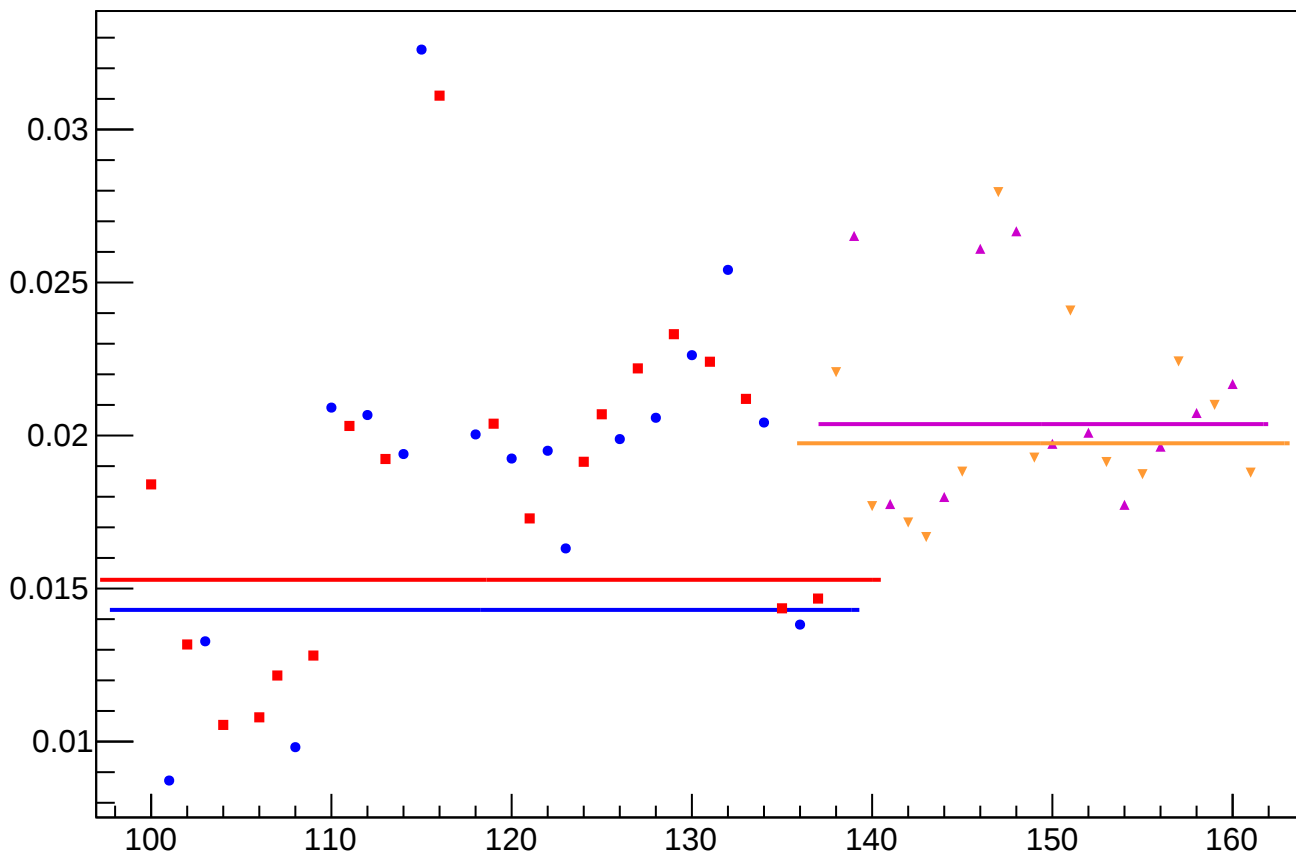
Right Out: 10.580+/-0.000 χ^2/NDF : 5763852721.2/18

Left In: 9.317+/-0.000 χ^2/NDF : 517089733.8/10

9.999+/-0.000 χ^2/NDF : 27881931647.2/29

10.029+/-0.000 χ^2/NDF : 23893138172.0/29

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:307675.4/12

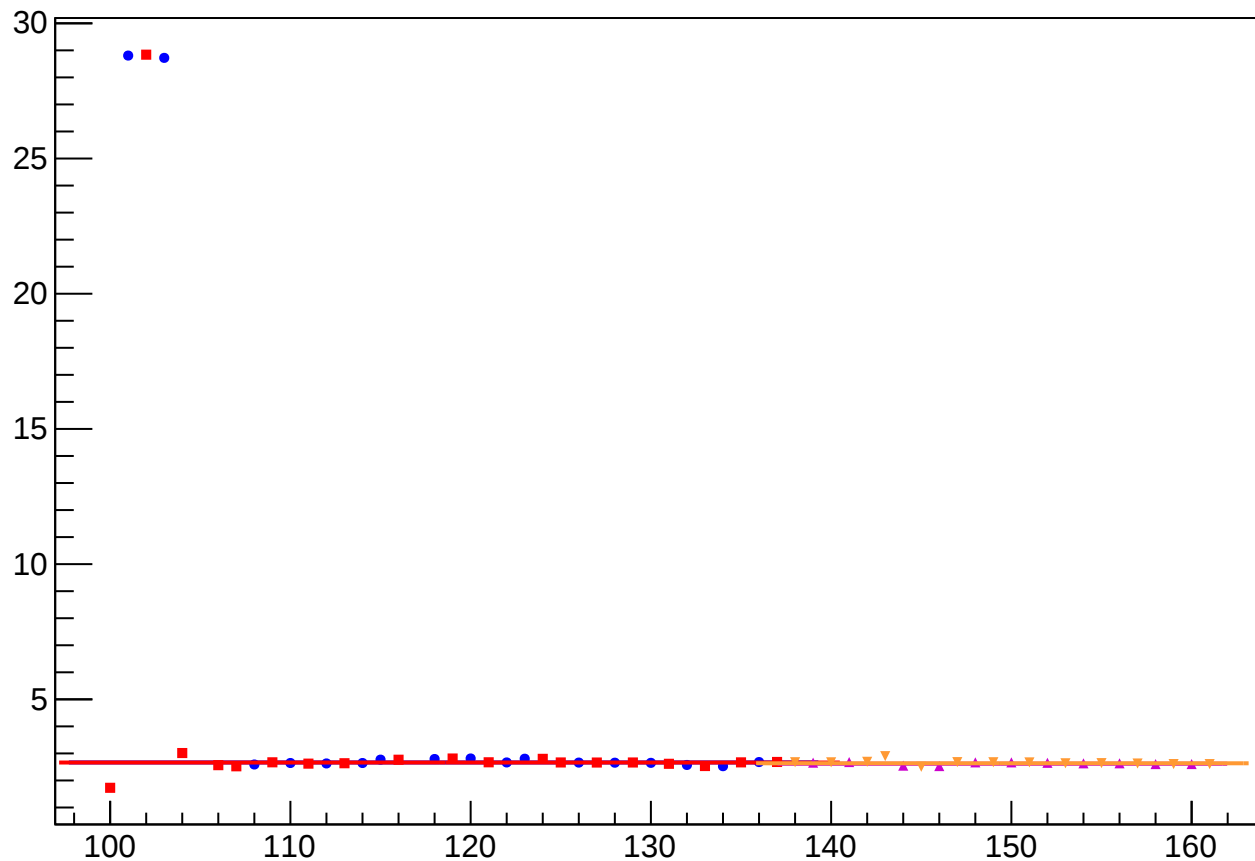
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:335937.5/10

0.017 $\pm$ 0.000 χ^2 /NDF: 2430142.1/29

0.018 $\pm$ 0.000 χ^2 /NDF: 1895693.6/29

yield_sam7_mean vs Slug



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.635+/-0.000 χ^2/NDF : 11622742037.1/12

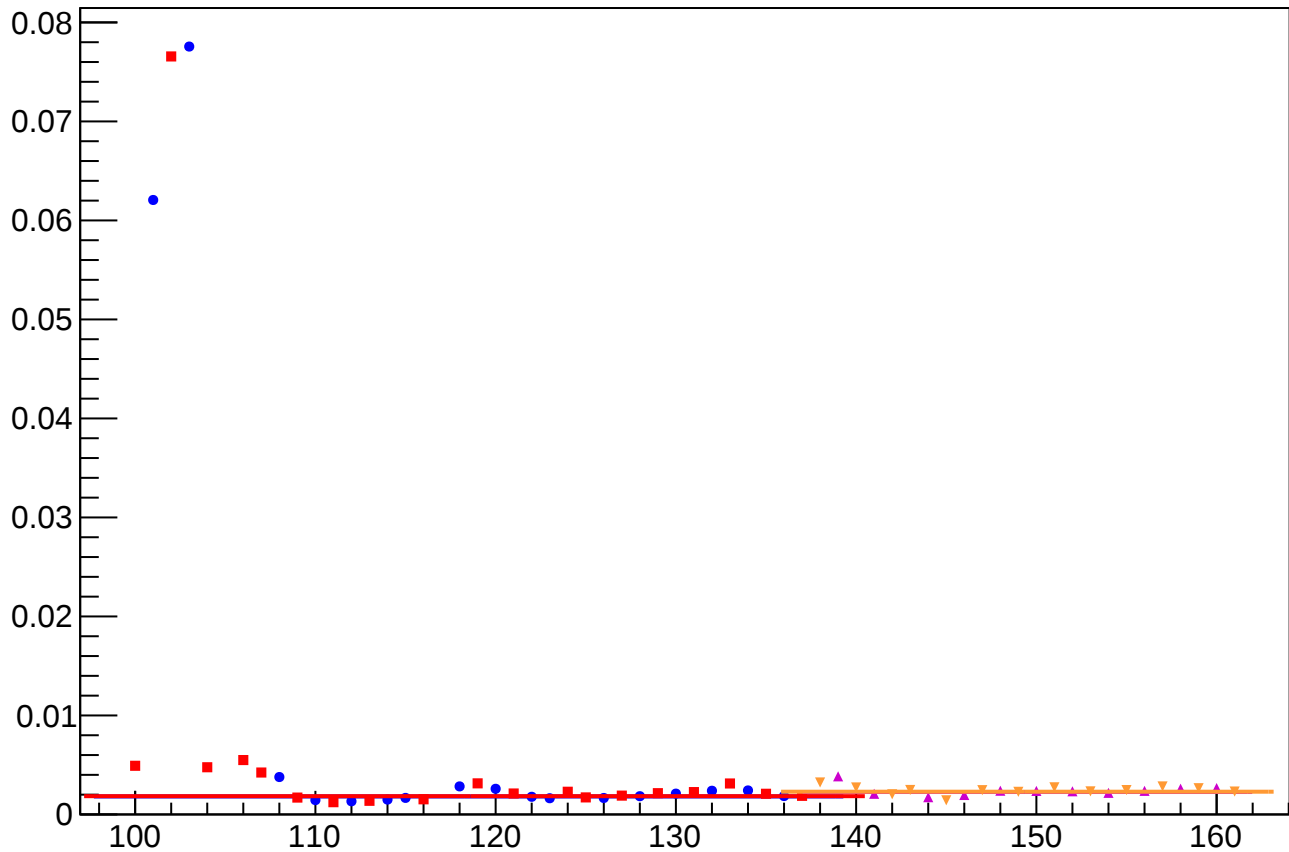
Right Out: 2.664+/-0.000 χ^2/NDF : 70398125461.7/18

Left In: 2.618+/-0.000 χ^2/NDF : 3881729935.7/10

2.650+/-0.000 χ^2/NDF : 175447162261.9/29

2.641+/-0.000 χ^2/NDF : 75729691408.1/29

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 :693285.2/12

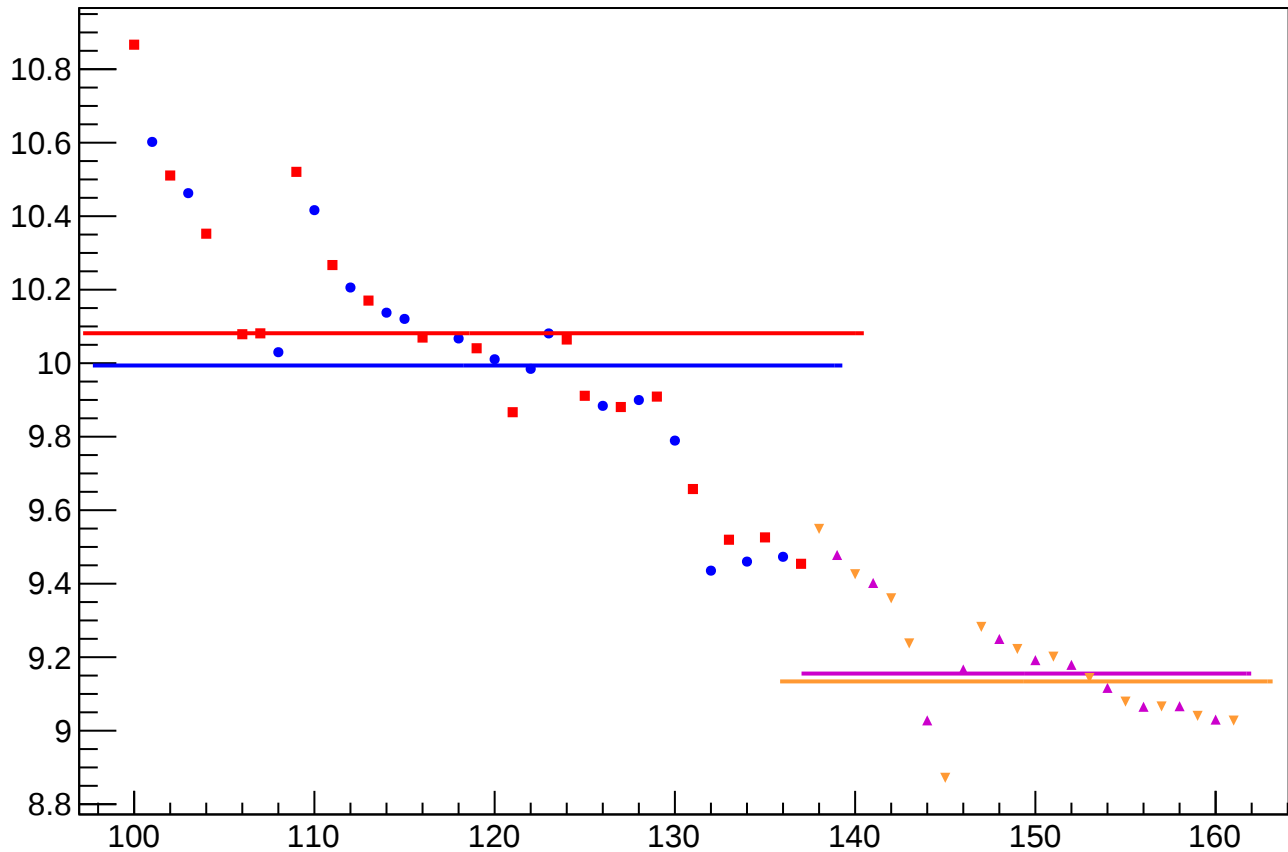
Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

Left In: 0.002+/-0.000 χ^2/NDF :465901.6/10

0.002+/-0.000 χ^2/NDF : 3679178.2/29

0.002+/-0.000 χ^2/NDF : 3048351.6/29

yield_sam8_mean vs Slug



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.134+/-0.000 χ^2/NDF : 5297403066.6/12

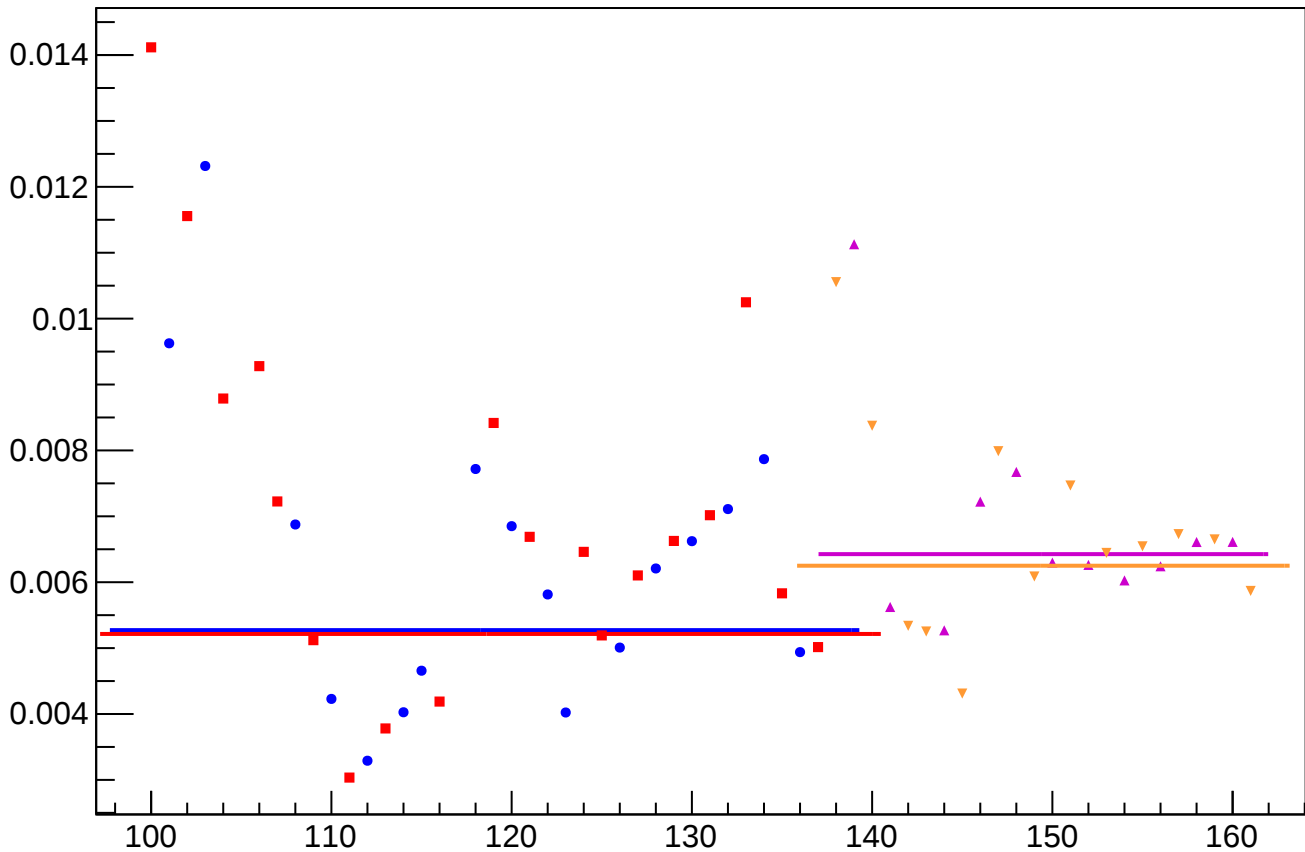
9.547+/-0.000 χ^2/NDF : 93581682980.1/29

Right Out: 10.082+/-0.000 χ^2/NDF : 15502695798.7/18

9.637+/-0.000 χ^2/NDF : 97311241328.1/29

Left In: 9.155+/-0.000 χ^2/NDF : 2754024028.9/10

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 : 673268.1/12

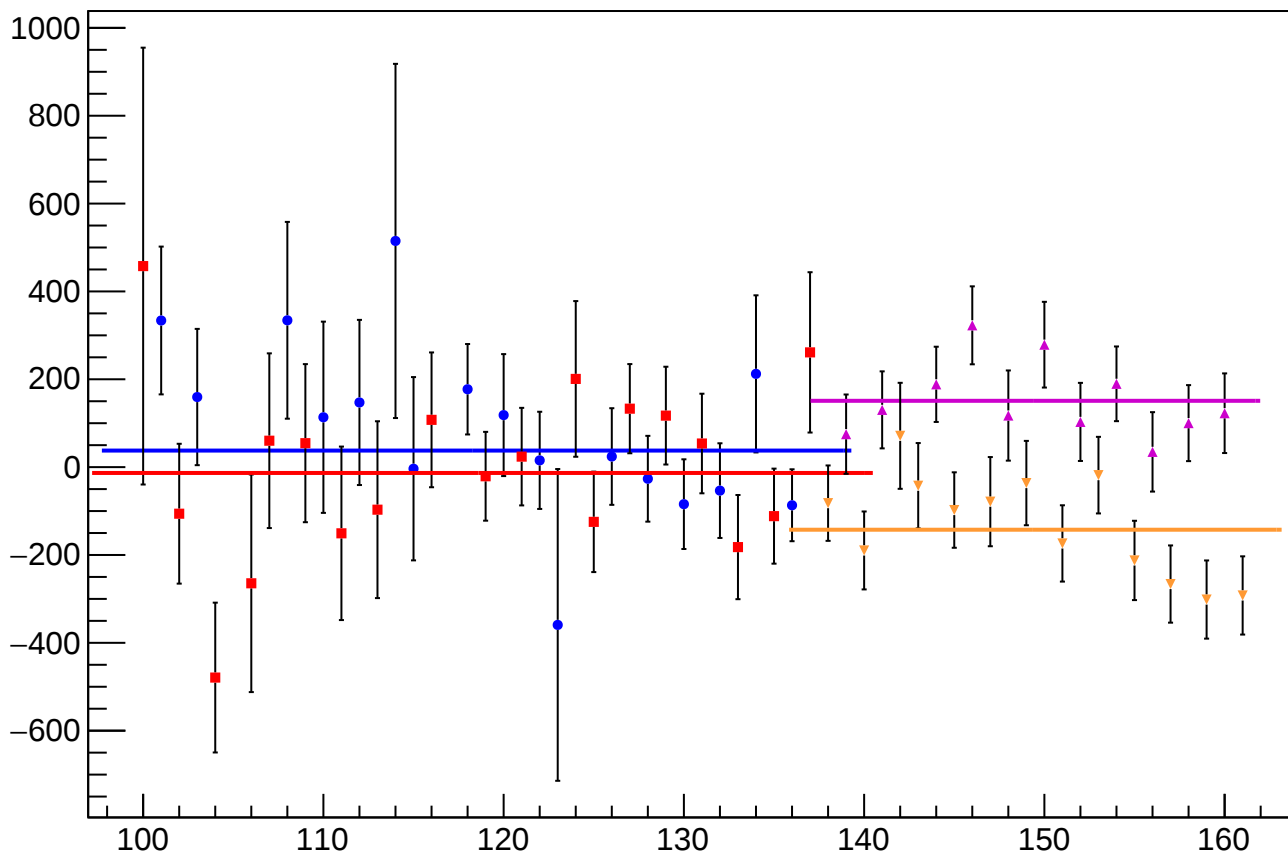
Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 392341.7/10

0.006+/-0.000 χ^2/NDF : 2098395.7/29

0.006+/-0.000 χ^2/NDF : 2320840.0/29

reg_asym_sam1_mean vs Slug



Right In: 37.694 ± 32.253 $\chi^2/\text{NDF}: 16.7/16$

Left Out: -142.506 ± 25.425 $\chi^2/\text{NDF}: 17.6/12$

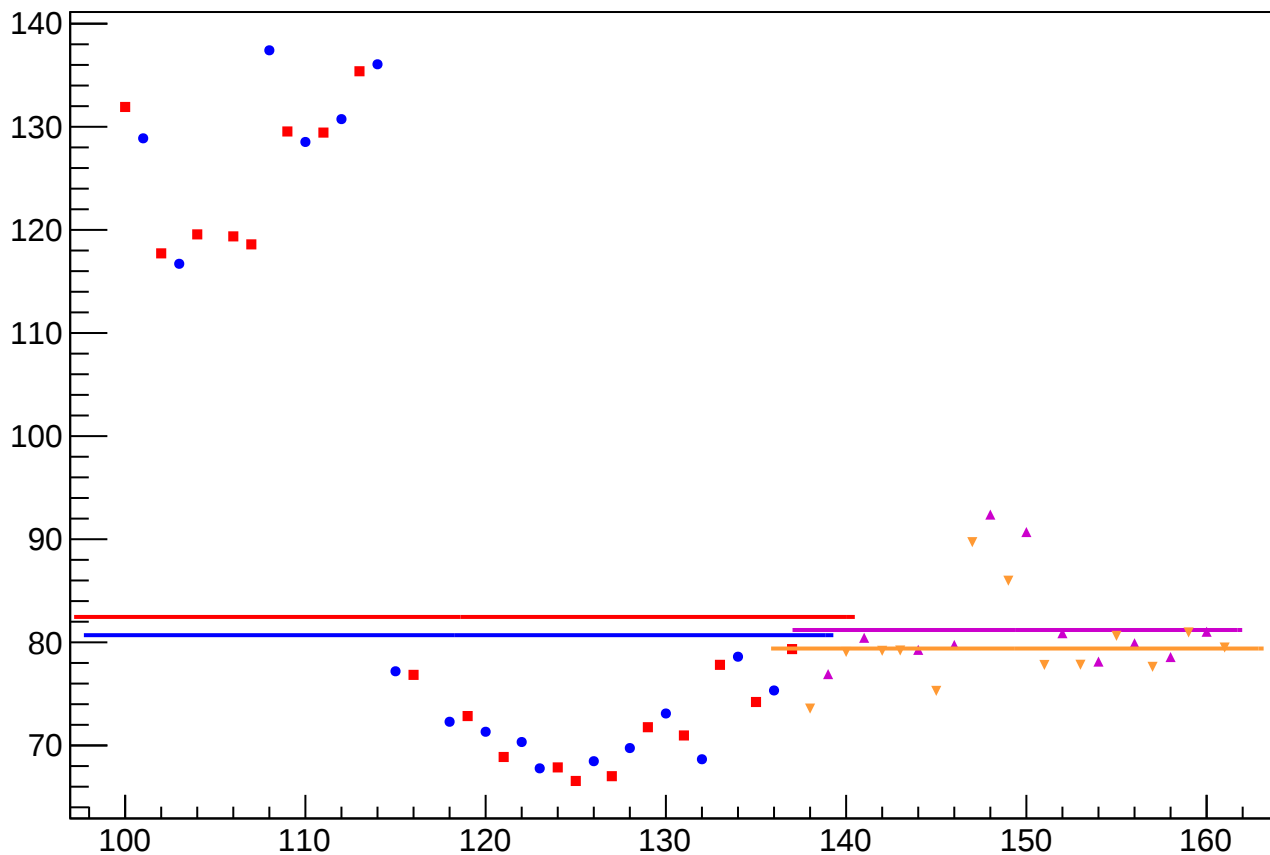
Right Out: -13.278 ± 32.066 $\chi^2/\text{NDF}: 22.7/18$

Left In: 150.980 ± 27.132 $\chi^2/\text{NDF}: 9.1/10$

-73.445 ± 19.967 $\chi^2/\text{NDF}: 53.6/29$

82.448 ± 20.713 $\chi^2/\text{NDF}: 47.1/29$

reg_asym_sam1_rms vs Slug



Right In: 80.694+/-0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.400+/-0.018 χ^2 /NDF:46988.8/12

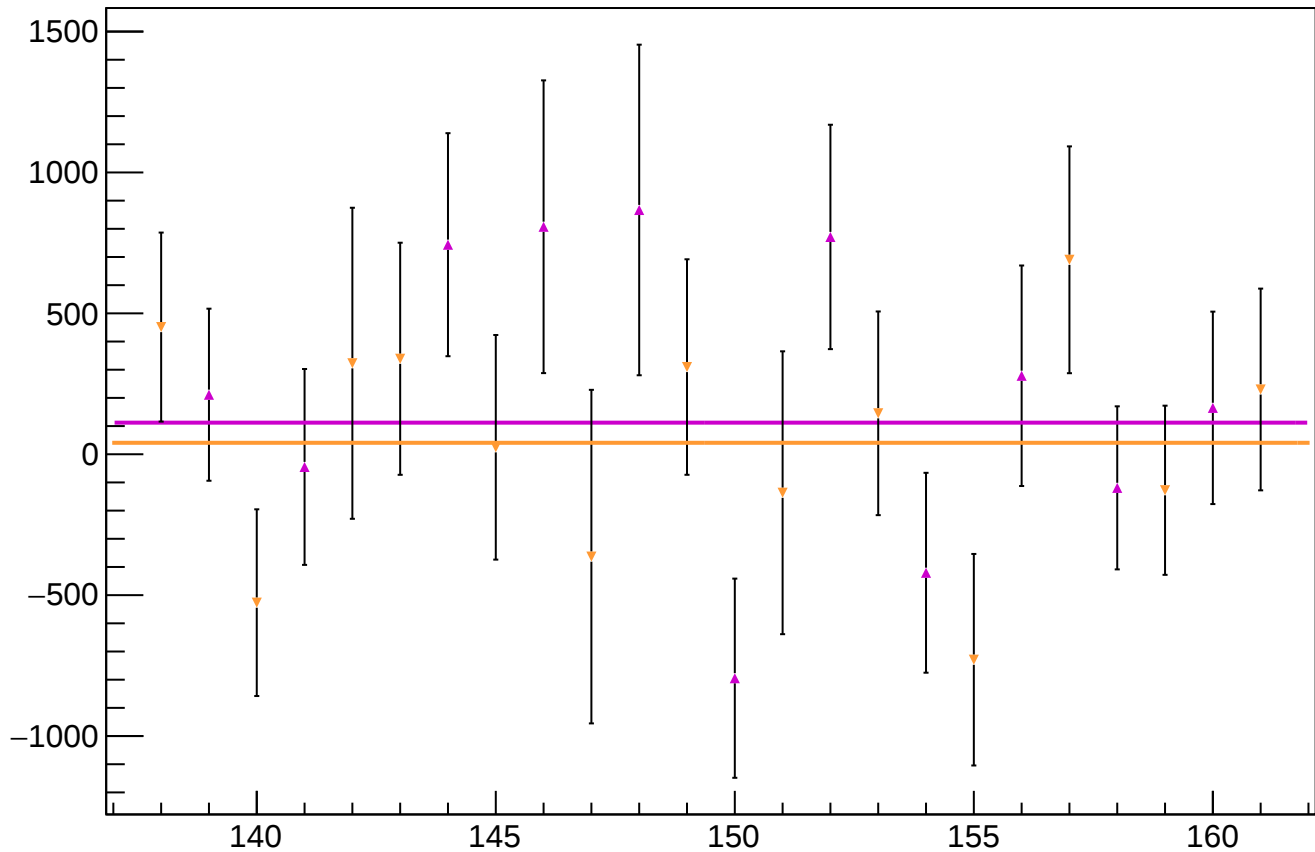
Right Out: 82.464+/-0.023 χ^2 /NDF: 914878.0/18

Left In: 81.198+/-0.019 χ^2 /NDF:53782.8/10

79.896+/-0.014 χ^2 /NDF: 863002.7/29

81.726+/-0.015 χ^2 /NDF: 970477.6/29

asym_sam1_correction_mean vs Slug



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

Left Out: 40.666+/-107.227 χ^2/NDF :13.8/12

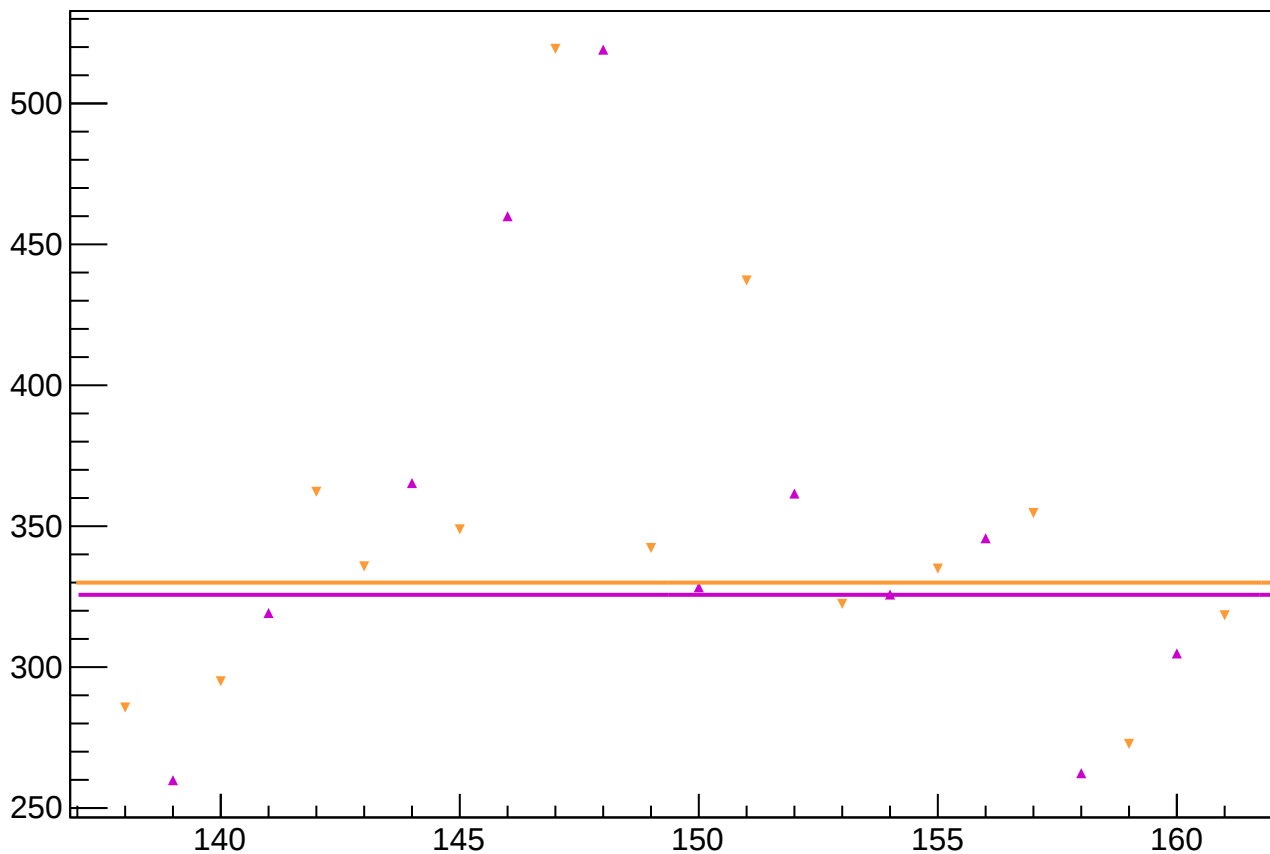
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 112.144+/-110.888 χ^2/NDF :18.7/10

40.666+/-107.227 χ^2/NDF : 13.8/12

112.144+/-110.888 χ^2/NDF : 18.7/10

asym_sam1_correction_rms vs Slug



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

Left Out: 329.984+/-0.076 χ^2/NDF : 450578.7/12

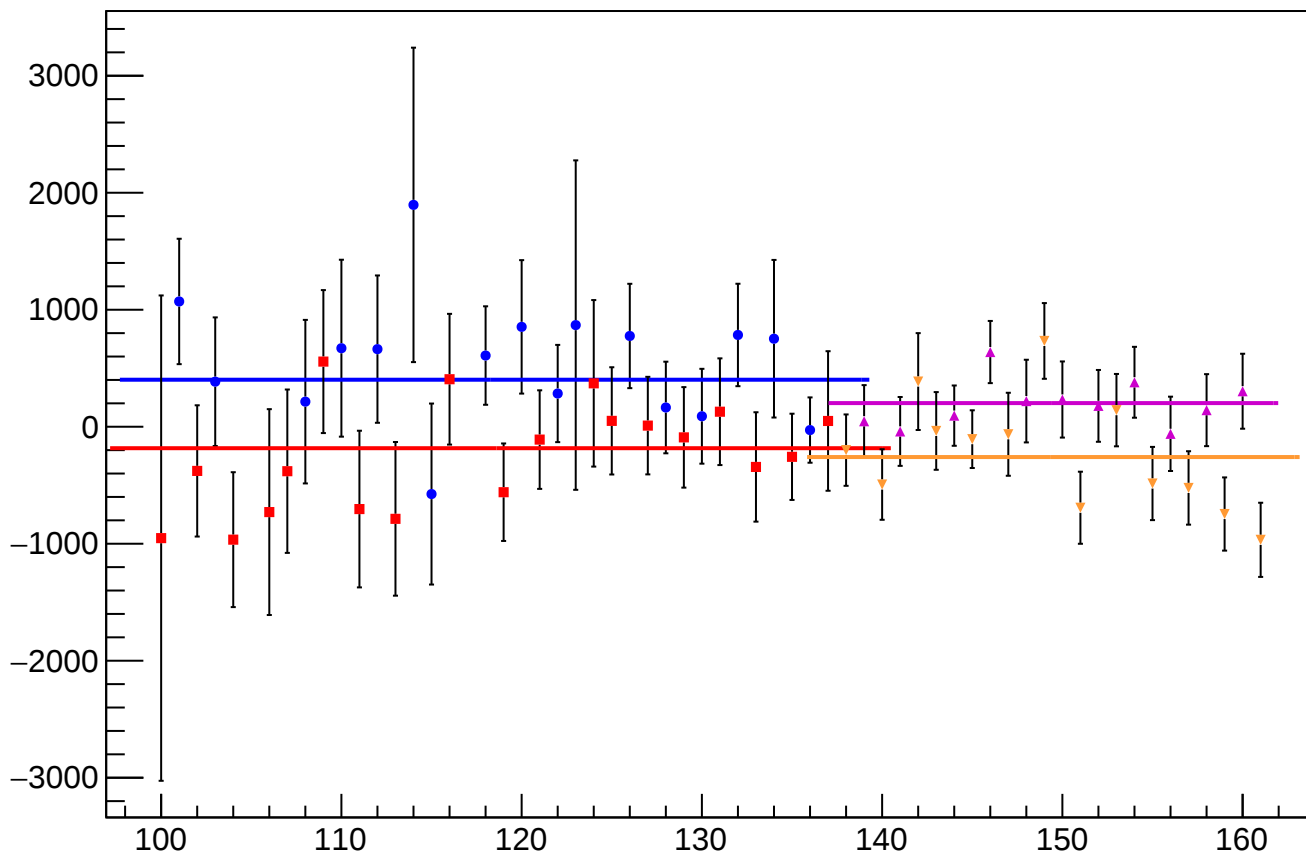
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 325.654+/-0.078 χ^2/NDF : 589686.6/10

329.984+/-0.076 χ^2/NDF : 450578.7/12

325.654+/-0.078 χ^2/NDF : 589686.6/10

reg_asym_sam2_mean vs Slug



Right In: 401.871 ± 121.048 $\chi^2/\text{NDF}: 10.9/16$

Left Out: -259.116 ± 87.000 $\chi^2/\text{NDF}: 25.9/12$

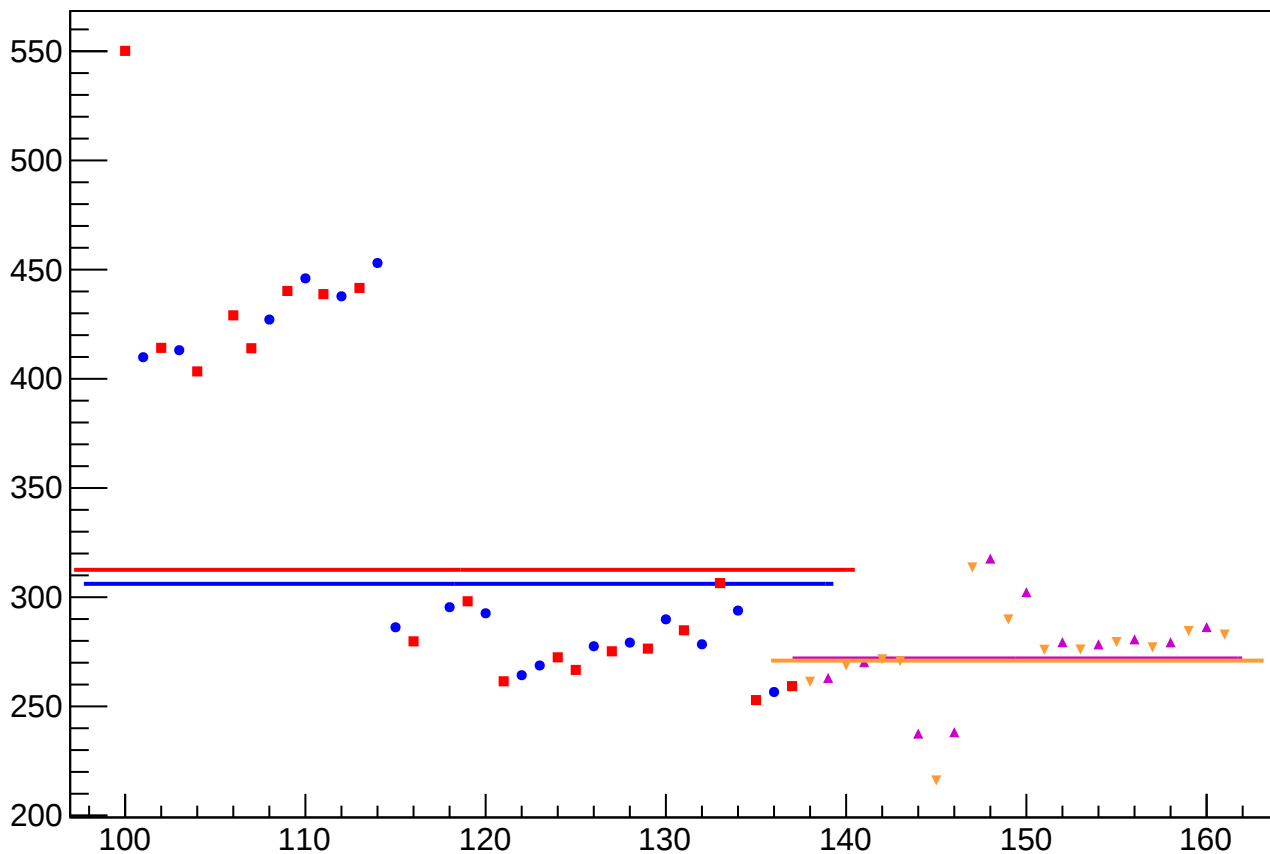
Right Out: -183.481 ± 120.338 $\chi^2/\text{NDF}: 9.3/18$

Left In: 202.111 ± 91.125 $\chi^2/\text{NDF}: 5.0/10$

-33.974 ± 70.646 $\chi^2/\text{NDF}: 56.5/29$

61.586 ± 72.647 $\chi^2/\text{NDF}: 20.9/29$

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 270.976+/-0.062 χ^2/NDF :146608.2/12

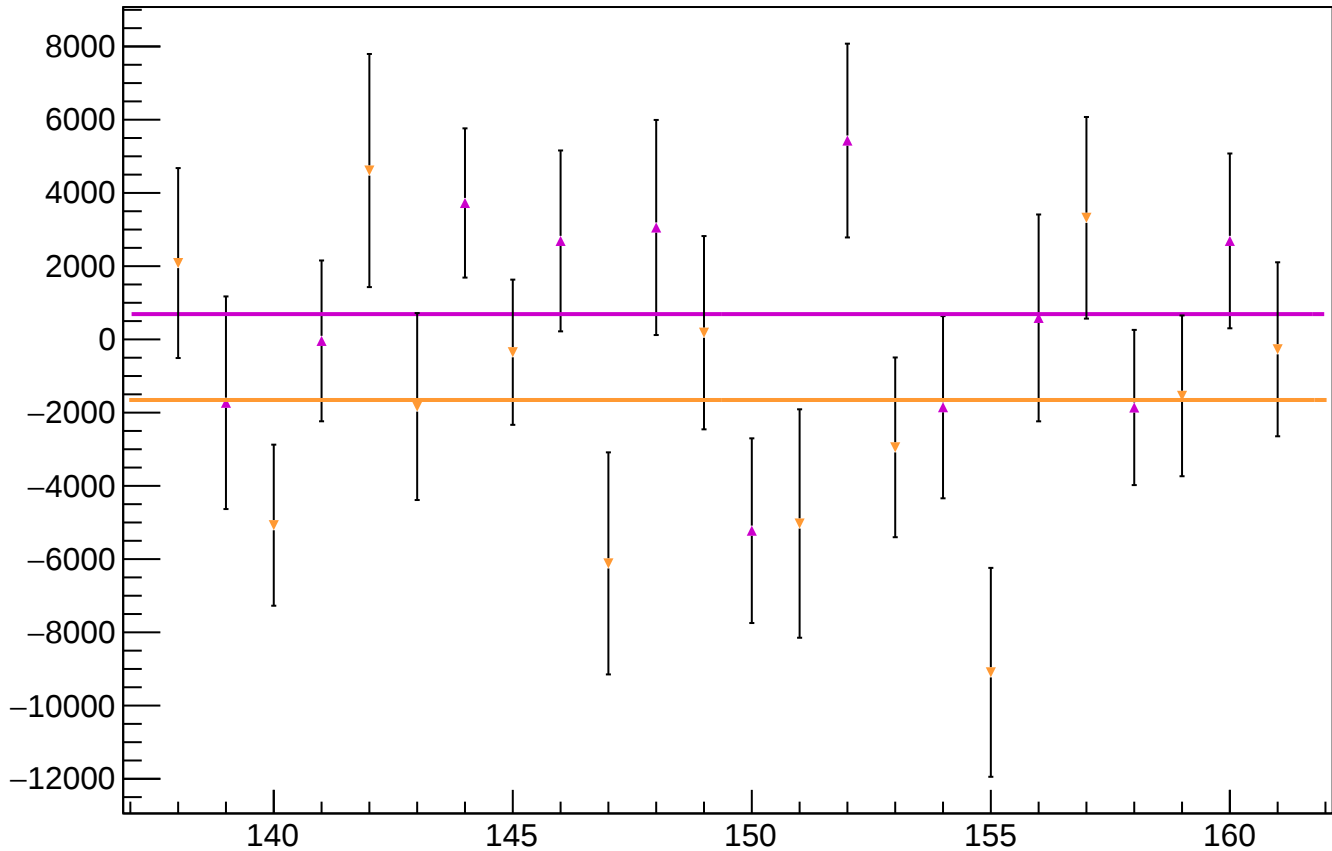
Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

Left In: 271.947+/-0.064 χ^2/NDF :129358.9/10

282.947+/-0.050 χ^2/NDF : 766231.7/29

286.742+/-0.051 χ^2/NDF : 899782.6/29

asym_sam2_correction_mean vs Slug



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

Left Out: -1654.658+/-703.165 χ^2/NDF : 23.3/12

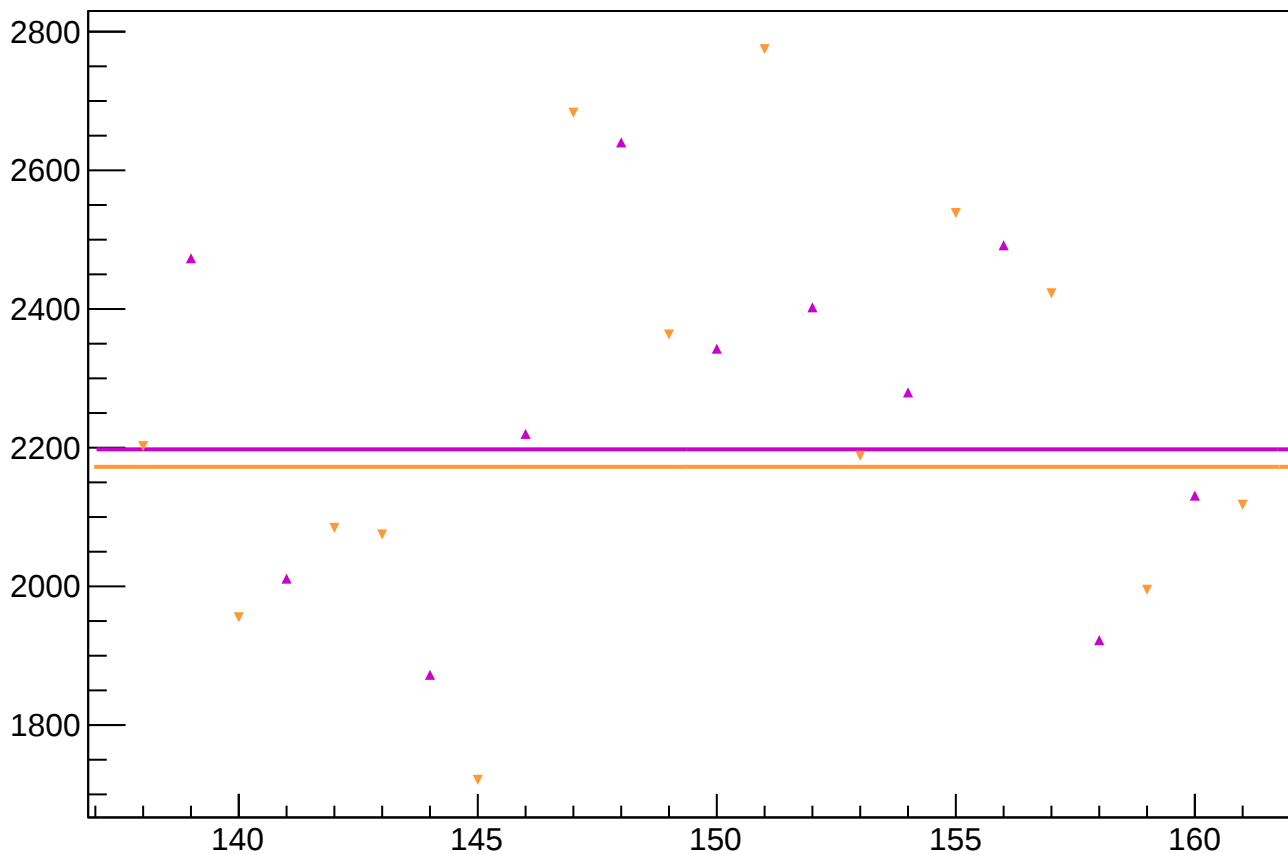
-1654.658+/-703.165 χ^2/NDF : 23.3/12

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

690.843+/-738.862 χ^2/NDF : 16.2/10

Left In: 690.843+/-738.862 χ^2/NDF : 16.2/10

asym_sam2_correction_rms vs Slug



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

Left Out: 2172.422+/-0.497 χ^2/NDF : 333210.9/12

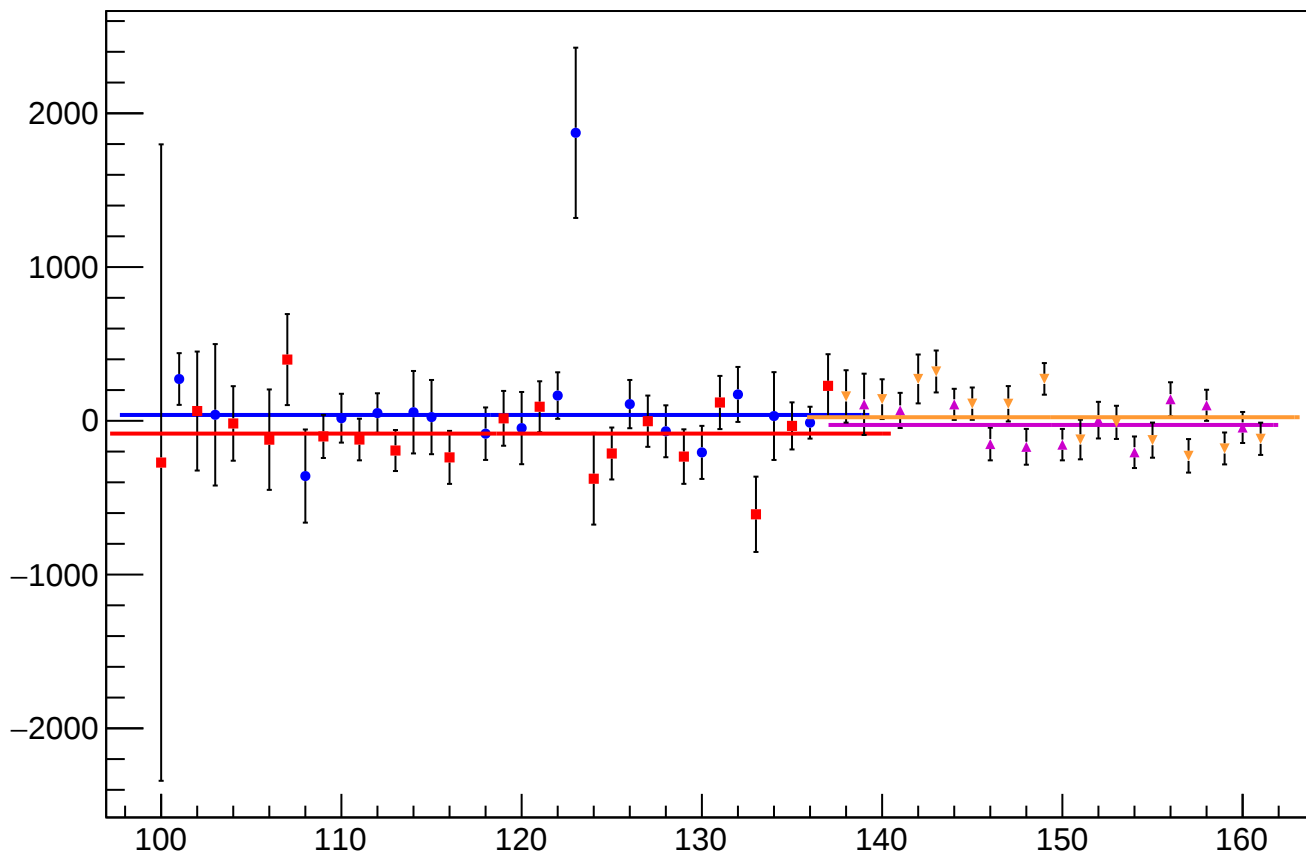
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2197.622+/-0.522 χ^2/NDF : 206738.8/10

2172.422+/-0.497 χ^2/NDF : 333210.9/12

2197.622+/-0.522 χ^2/NDF : 206738.8/10

reg_asym_sam3_mean vs Slug



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 23.419+/-32.637 χ^2/NDF : 29.8/12

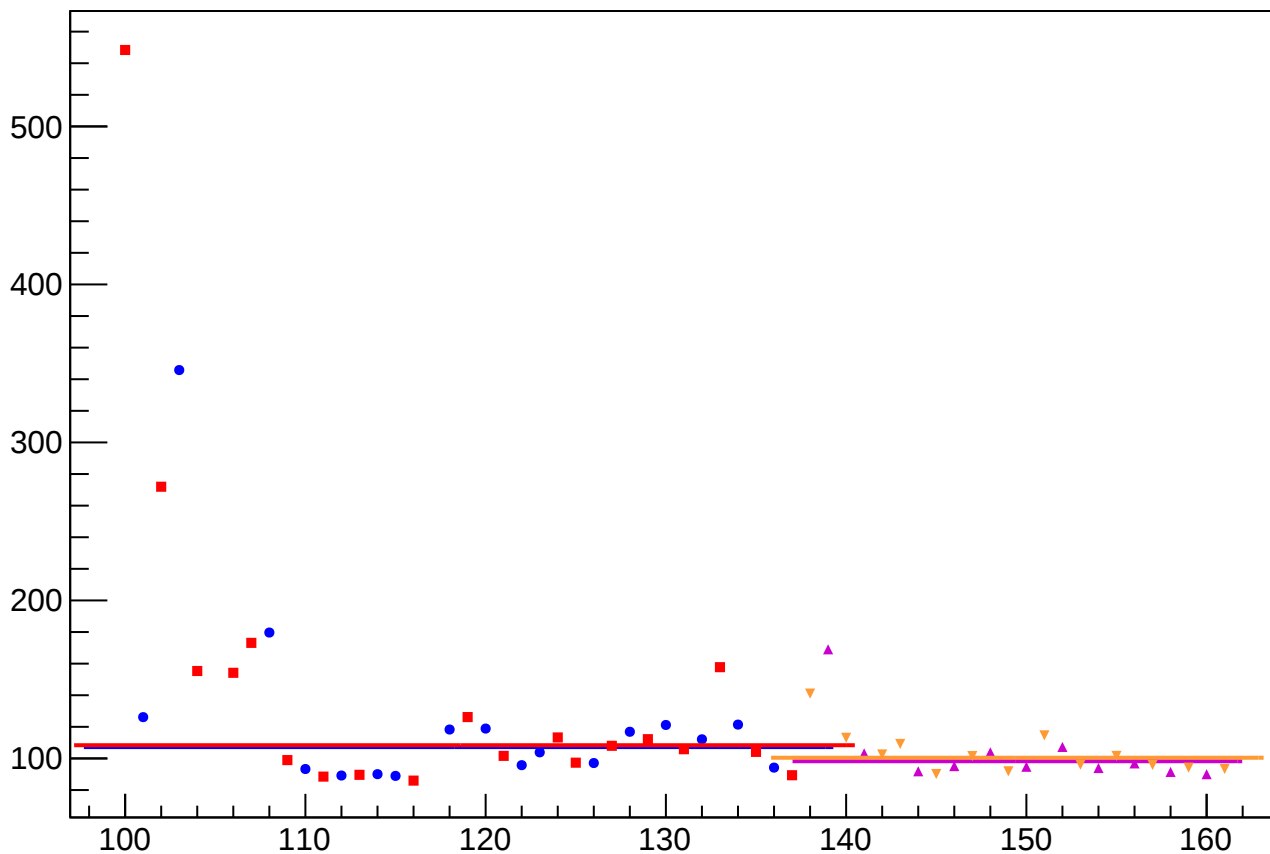
Right Out: -83.101+/-43.098 χ^2/NDF : 16.7/18

Left In: -26.858+/-33.306 χ^2/NDF : 14.3/10

28.709+/-26.116 χ^2/NDF : 49.3/29

-47.888+/-26.354 χ^2/NDF : 32.1/29

reg_asym_sam3_rms vs Slug



Right In: 107.189 ± 0.031 $\chi^2/\text{NDF}: 843115.1/16$

Left Out: 100.442 ± 0.023 $\chi^2/\text{NDF}: 222312.7/12$

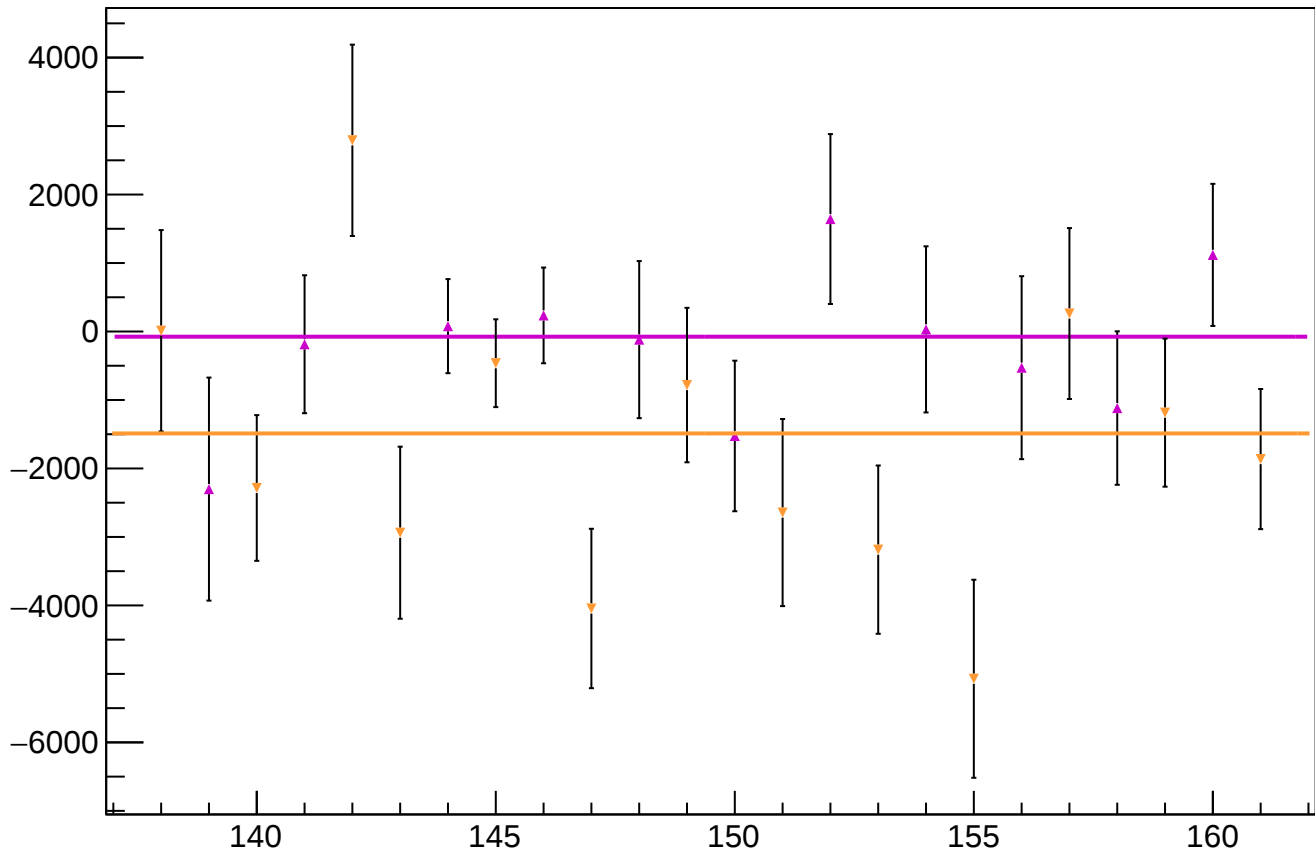
Right Out: 108.359 ± 0.030 $\chi^2/\text{NDF}: 917287.7/18$

Left In: 98.234 ± 0.024 $\chi^2/\text{NDF}: 310700.8/10$

102.869 ± 0.018 $\chi^2/\text{NDF}: 1096164.5/29$

102.020 ± 0.019 $\chi^2/\text{NDF}: 1297096.6/29$

asym_sam3_correction_mean vs Slug



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

Left Out: -1488.526+/-307.455 χ^2/NDF :31.0/12

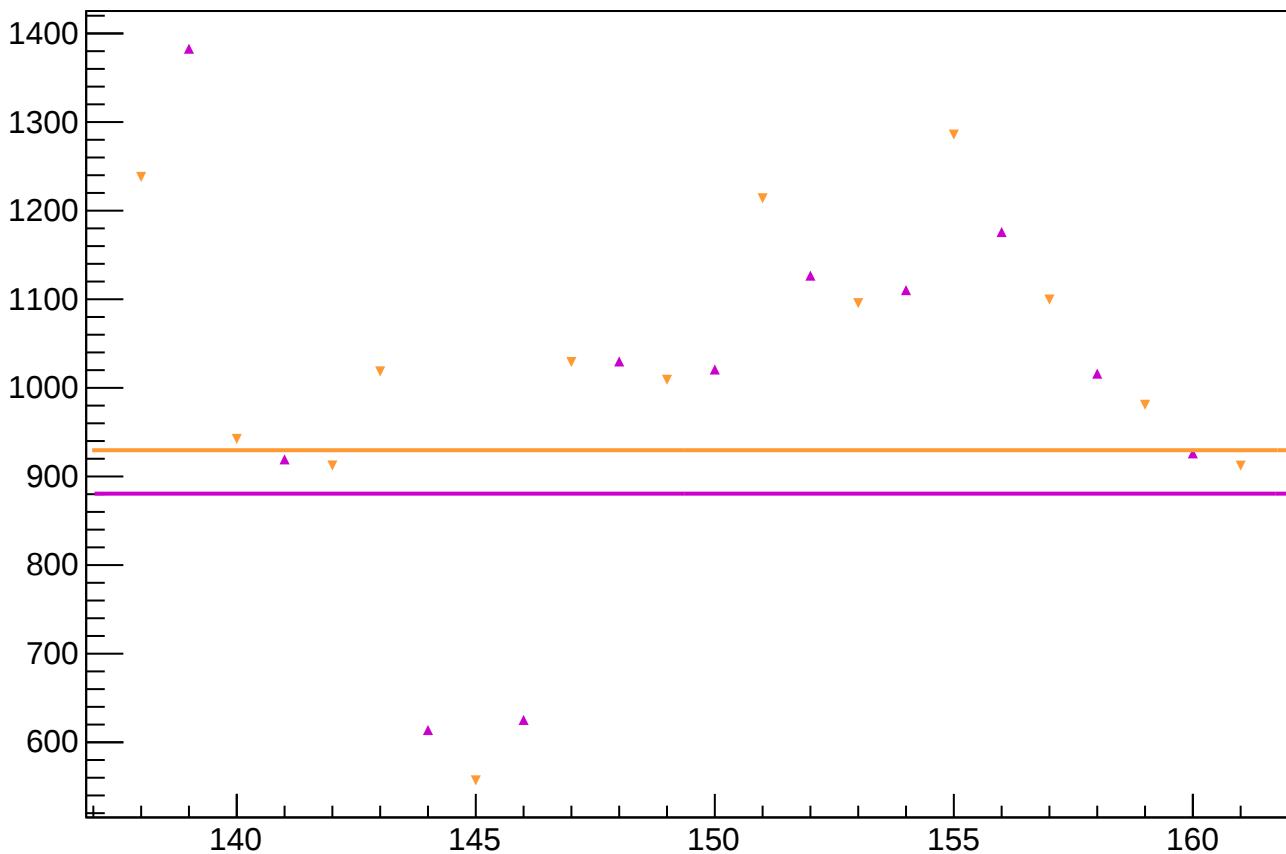
-1488.526+/-307.455 χ^2/NDF : 31.0/12

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

-75.876+/-305.225 χ^2/NDF : 8.1/10

Left In: -75.876+/-305.225 χ^2/NDF :8.1/10

asym_sam3_correction_rms vs Slug



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

Left Out: 929.622+/-0.217 χ^2/NDF :1085478.7/12

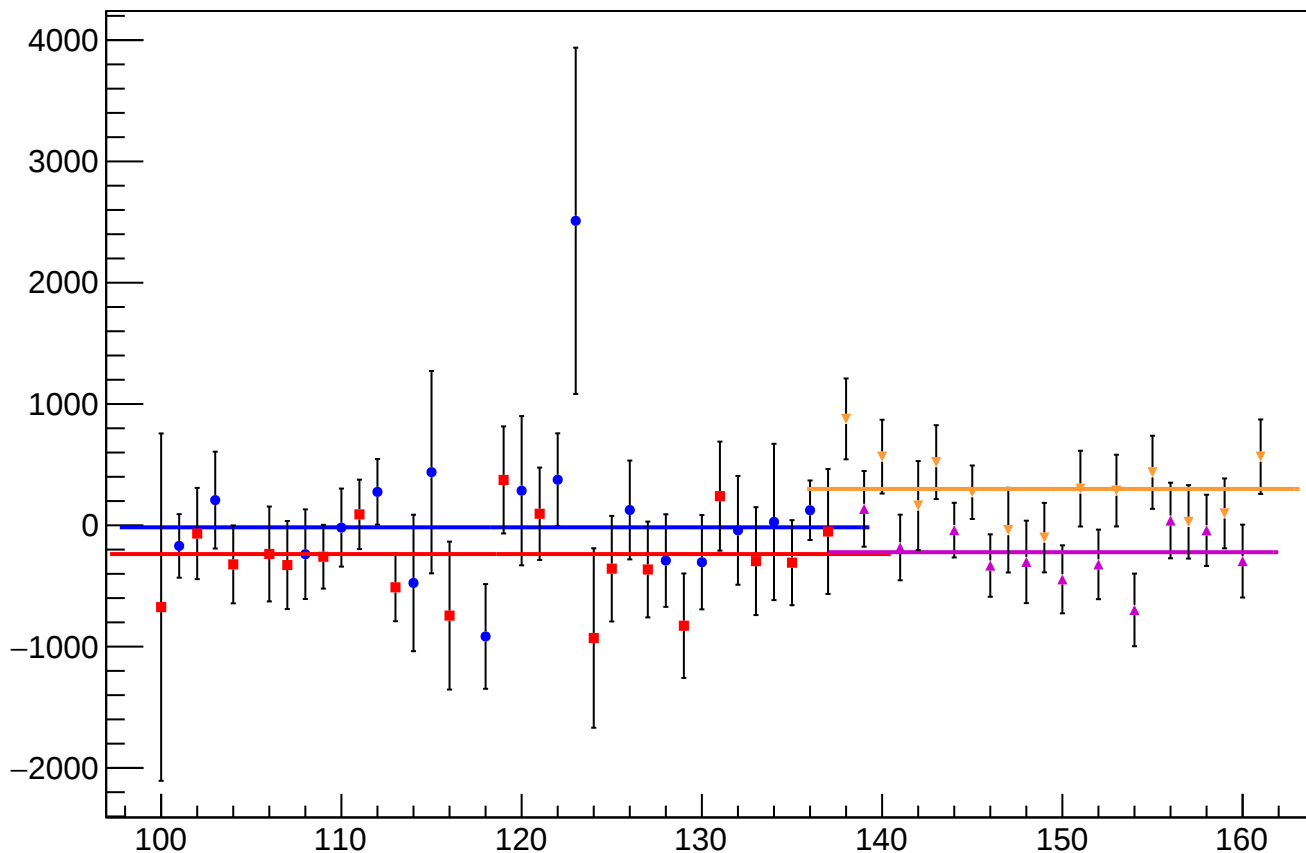
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 880.624+/-0.216 χ^2/NDF :1109492.0/10

929.622+/-0.217 χ^2/NDF : 1085478.7/12

880.624+/-0.216 χ^2/NDF : 1109492.0/10

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 300.061 ± 82.965 $\chi^2/\text{NDF}: 9.6/12$

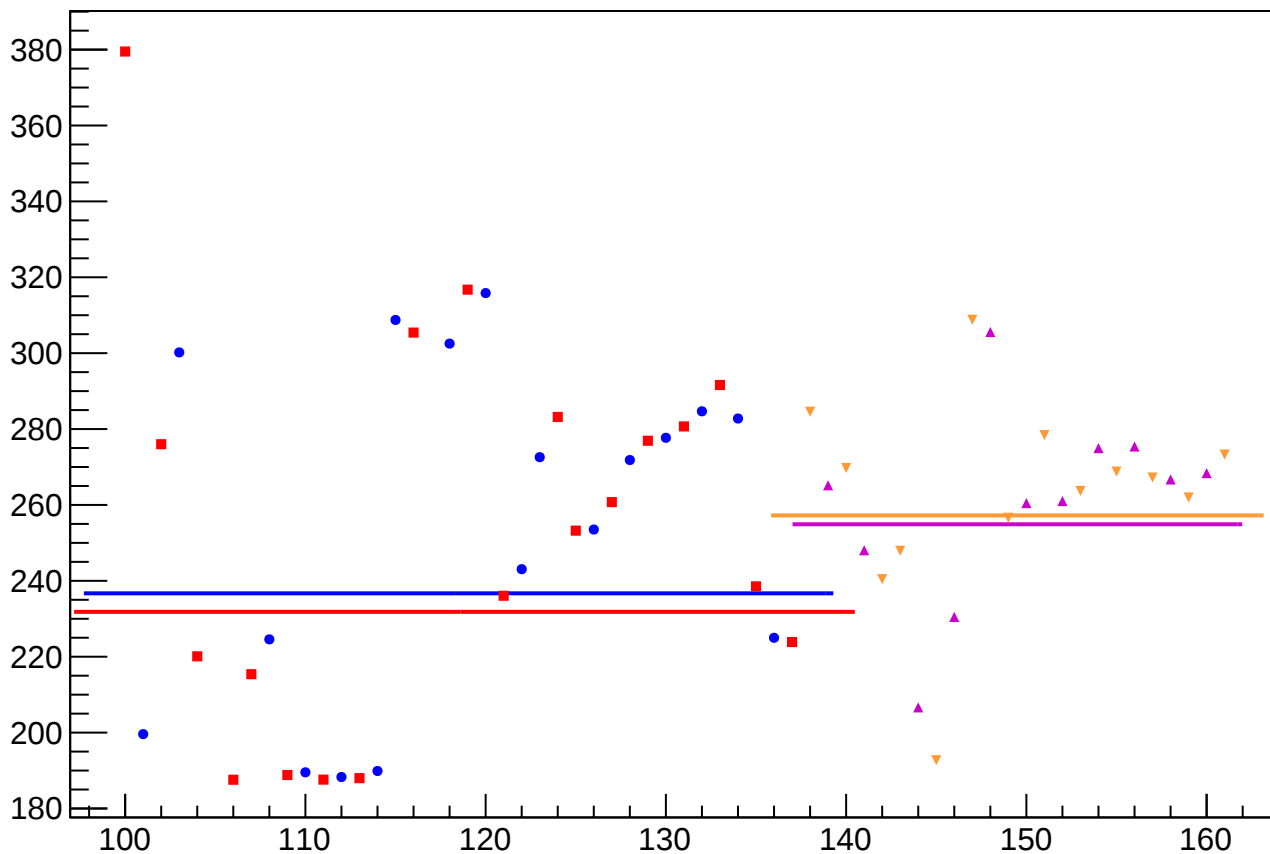
Right Out: -236.984 ± 88.937 $\chi^2/\text{NDF}: 10.3/18$

Left In: -221.519 ± 85.621 $\chi^2/\text{NDF}: 6.6/10$

160.269 ± 61.994 $\chi^2/\text{NDF}: 29.5/29$

-228.958 ± 61.682 $\chi^2/\text{NDF}: 17.0/29$

reg_asym_sam4_rms vs Slug



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 257.241+/-0.059 χ^2/NDF : 258838.4/12

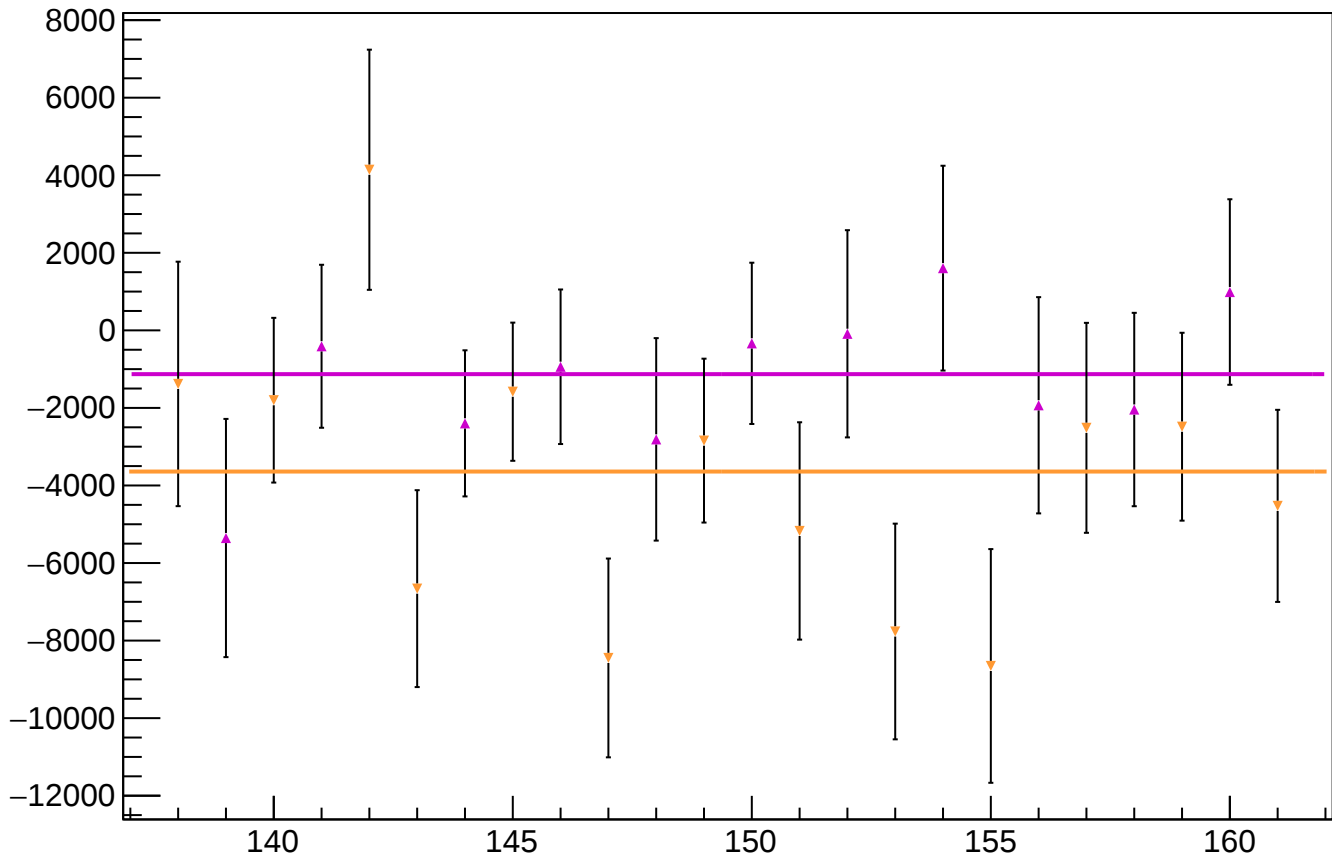
Right Out: 231.828+/-0.063 χ^2/NDF : 443276.3/18

Left In: 254.903+/-0.061 χ^2/NDF : 184152.6/10

248.172+/-0.044 χ^2/NDF : 703294.1/29

243.804+/-0.044 χ^2/NDF : 697298.3/29

asym_sam4_correction_mean vs Slug



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

Left Out: -3640.718+/-688.492 χ^2/NDF : 19.8/12

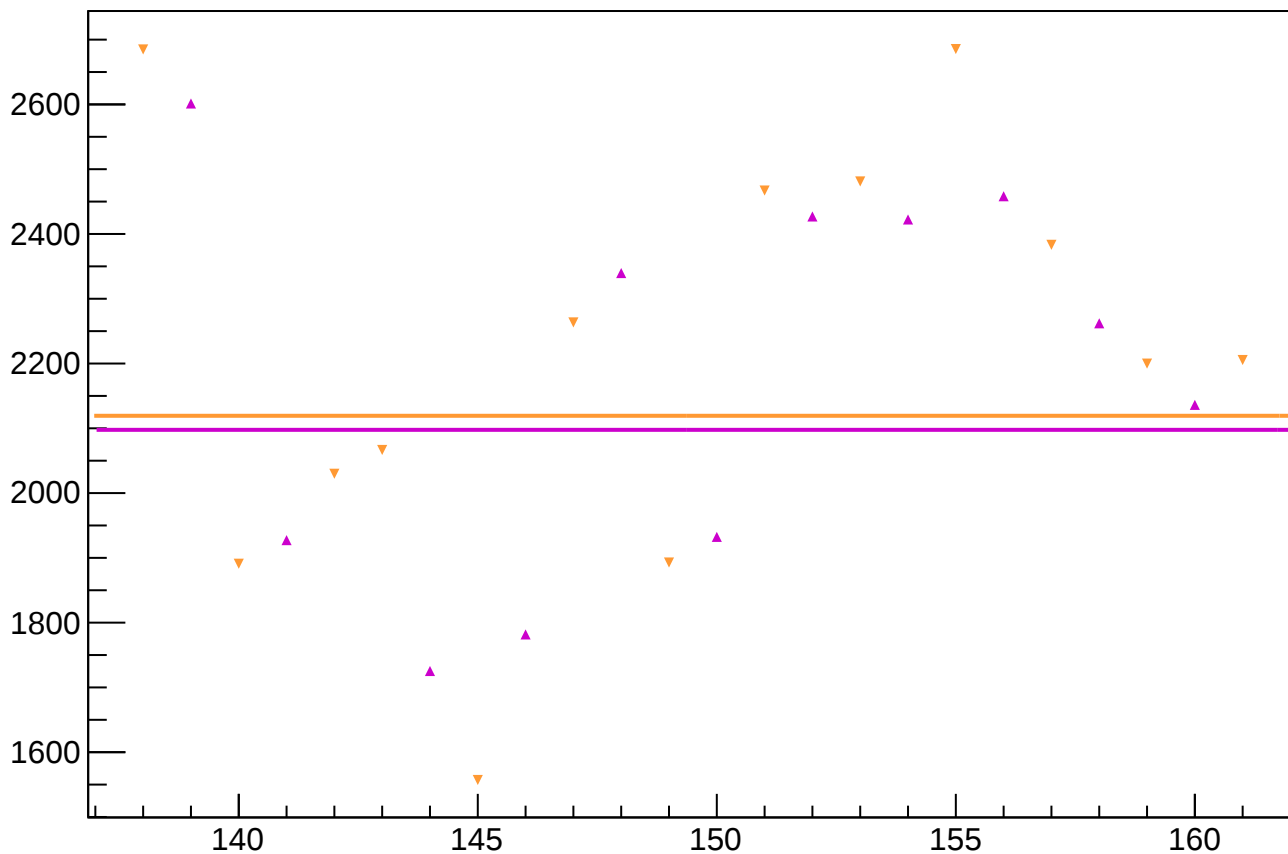
-3640.718+/-688.492 χ^2/NDF : 19.8/12

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

-1129.162+/-708.568 χ^2/NDF : 5.3/10

Left In: -1129.162+/-708.568 χ^2/NDF : 5.3/10

asym_sam4_correction_rms vs Slug



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

Left Out: 2119.337+/-0.487 χ^2/NDF : 477368.3/12

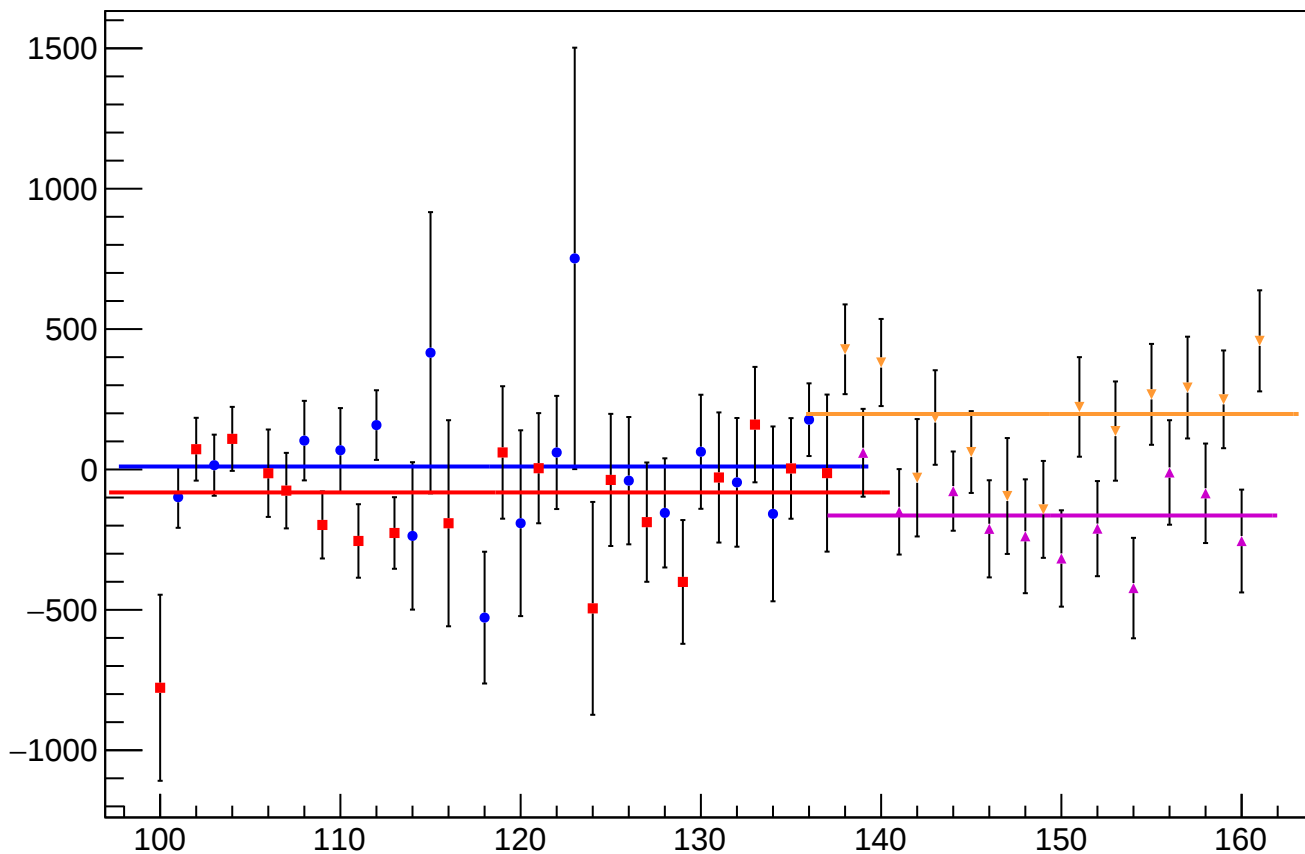
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2097.642+/-0.501 χ^2/NDF : 328429.1/10

2119.337+/-0.487 χ^2/NDF : 477368.3/12

2097.642+/-0.501 χ^2/NDF : 328429.1/10

reg_asym_sam5_mean vs Slug



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 197.602+/-48.110 χ^2/NDF : 14.1/12

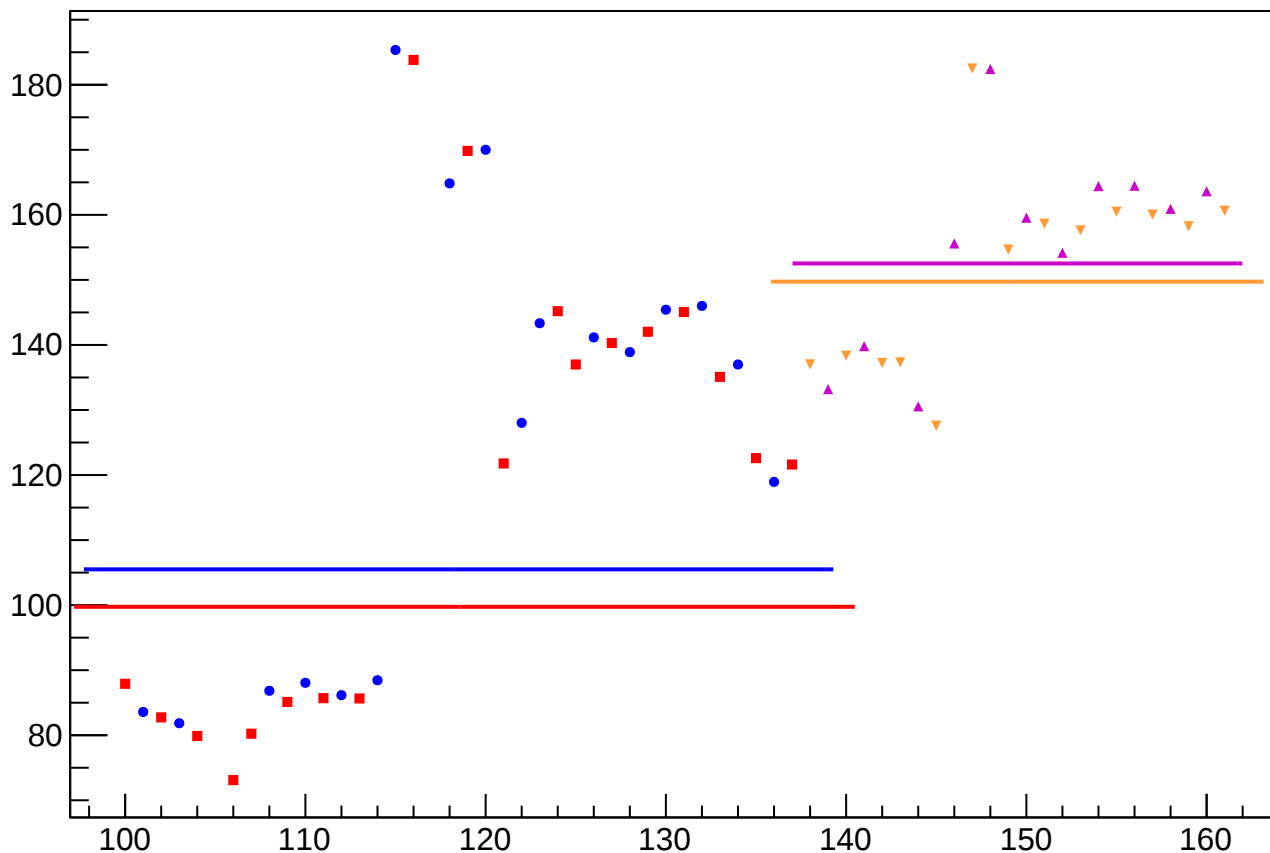
Right Out: -81.802+/-38.985 χ^2/NDF : 19.2/18

Left In: -163.952+/-51.127 χ^2/NDF : 6.7/10

92.080+/-31.765 χ^2/NDF : 36.7/29

-112.005+/-31.001 χ^2/NDF : 27.6/29

reg_asym_sam5_rms vs Slug



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 149.732+/-0.034 χ^2/NDF : 174474.3/12

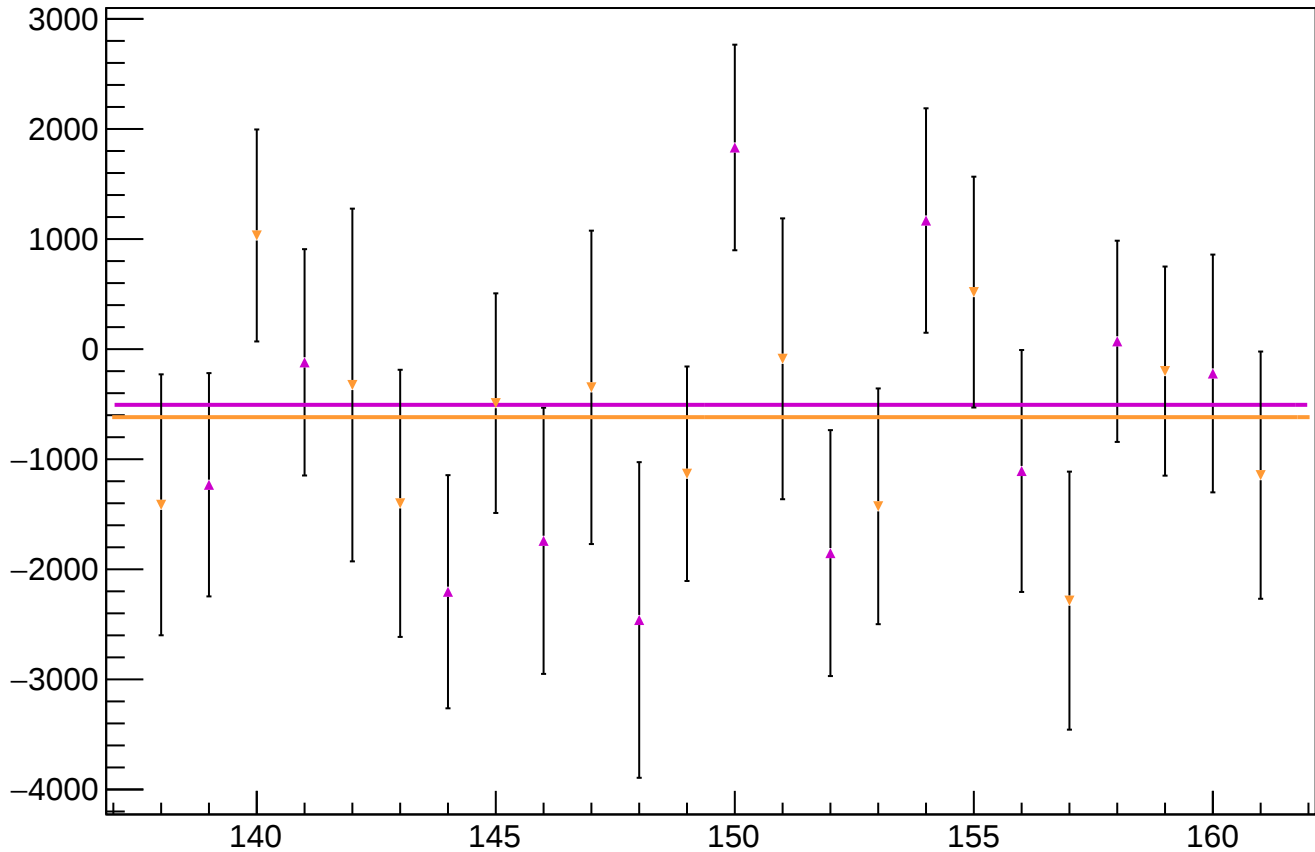
Right Out: 99.744+/-0.028 χ^2/NDF : 1000097.3/18

Left In: 152.528+/-0.036 χ^2/NDF : 169479.2/10

124.783+/-0.022 χ^2/NDF : 1996949.7/29

119.150+/-0.022 χ^2/NDF : 2517548.8/29

asym_sam5_correction_mean vs Slug



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

Left Out: -617.819+/-309.534 χ^2/NDF : 8.5/12

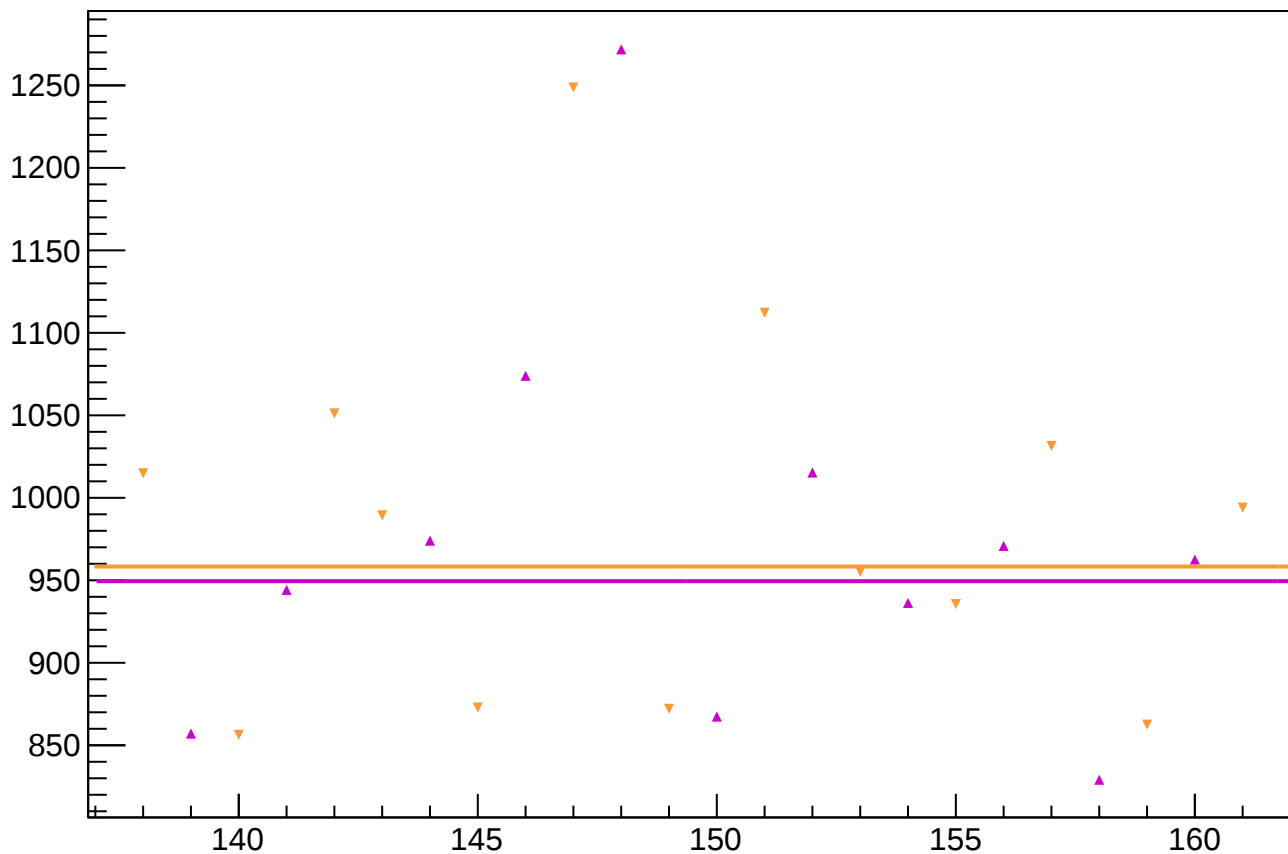
-617.819+/-309.534 χ^2/NDF : 8.5/12

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

-505.936+/-319.870 χ^2/NDF : 17.3/10

Left In: -505.936+/-319.870 χ^2/NDF : 17.3/10

asym_sam5_correction_rms vs Slug



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

Left Out: 958.364+/-0.219 χ^2/NDF : 208821.9/12

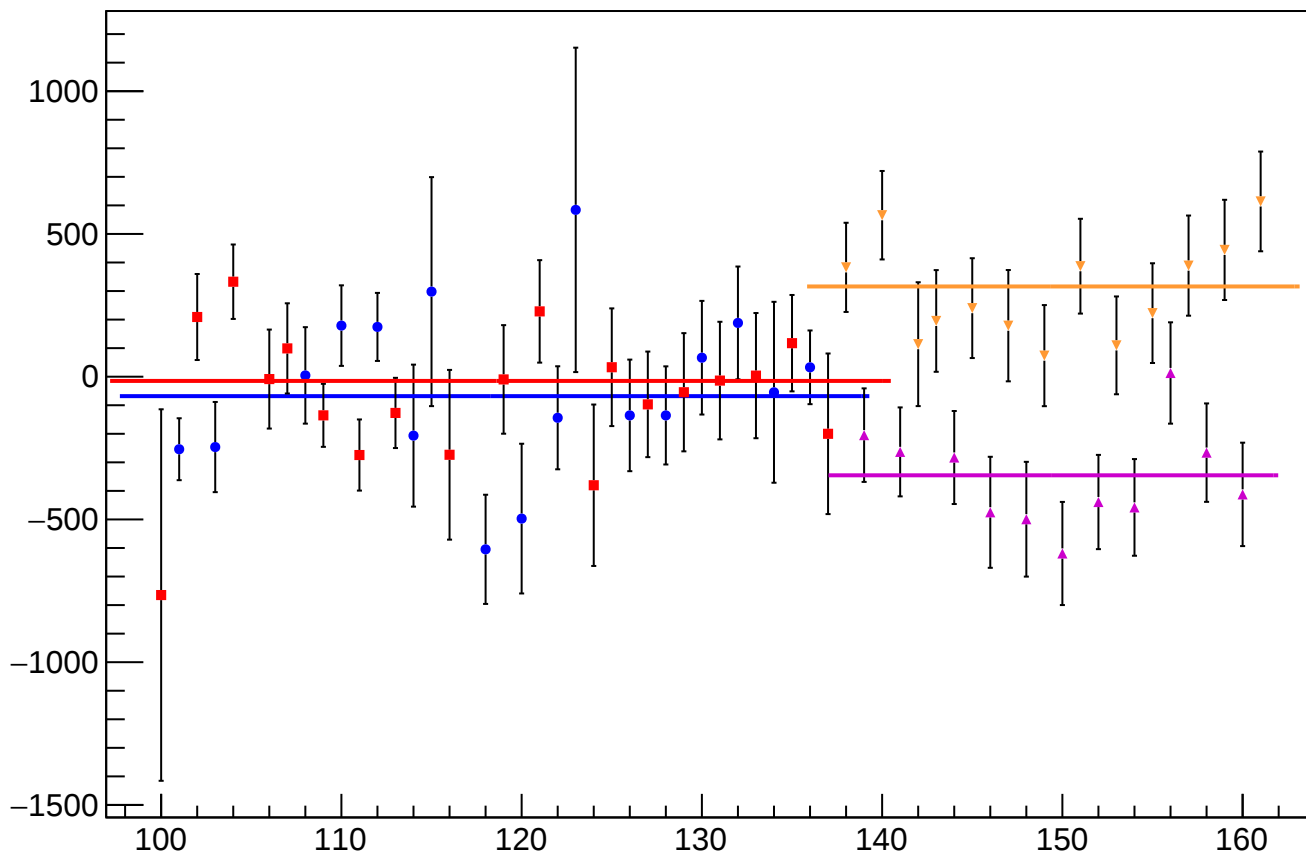
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 949.479+/-0.226 χ^2/NDF : 198506.0/10

958.364+/-0.219 χ^2/NDF : 208821.9/12

949.479+/-0.226 χ^2/NDF : 198506.0/10

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 316.032 ± 48.380 $\chi^2/\text{NDF}: 12.2/12$

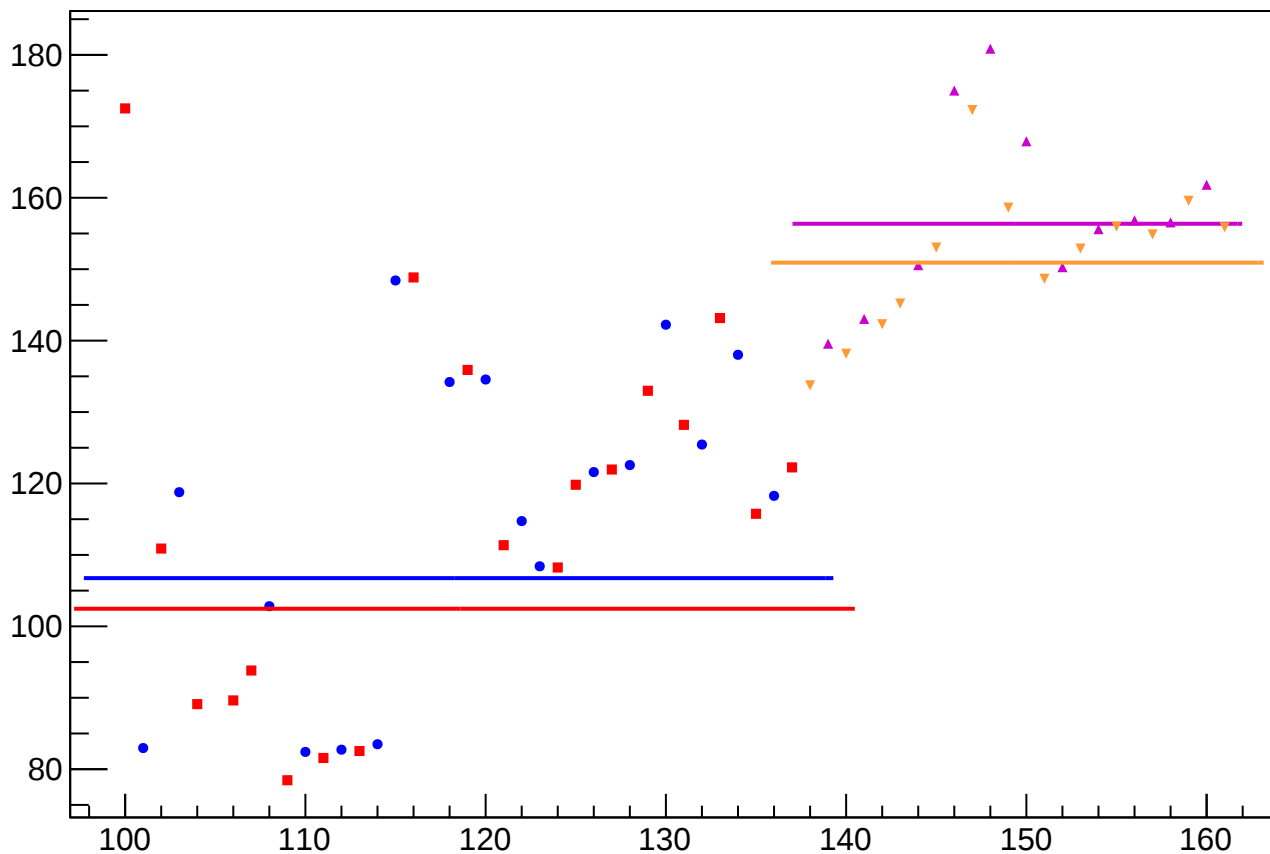
Right Out: -14.800 ± 39.467 $\chi^2/\text{NDF}: 23.1/18$

Left In: -345.403 ± 52.309 $\chi^2/\text{NDF}: 9.7/10$

98.165 ± 31.830 $\chi^2/\text{NDF}: 75.8/29$

-134.727 ± 31.505 $\chi^2/\text{NDF}: 58.3/29$

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 150.919 $\pm$ 0.034 χ^2 /NDF: 80872.9/12

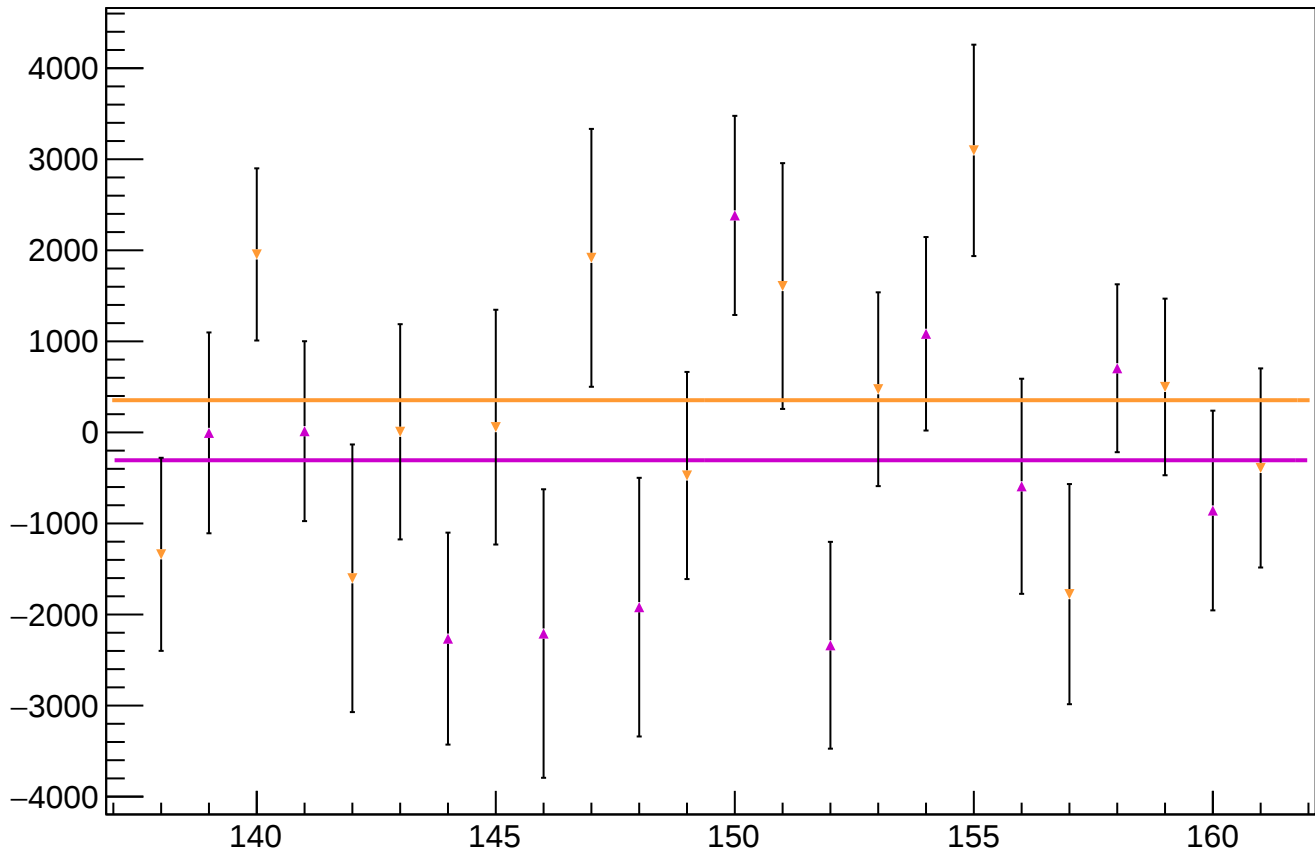
Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

Left In: 156.361 $\pm$ 0.037 χ^2 /NDF: 99058.2/10

125.868 $\pm$ 0.023 χ^2 /NDF: 1528063.9/29

122.017 $\pm$ 0.022 χ^2 /NDF: 2041282.2/29

asym_sam6_correction_mean vs Slug



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

Left Out: 353.709+/-319.136 χ^2/NDF : 19.1/12

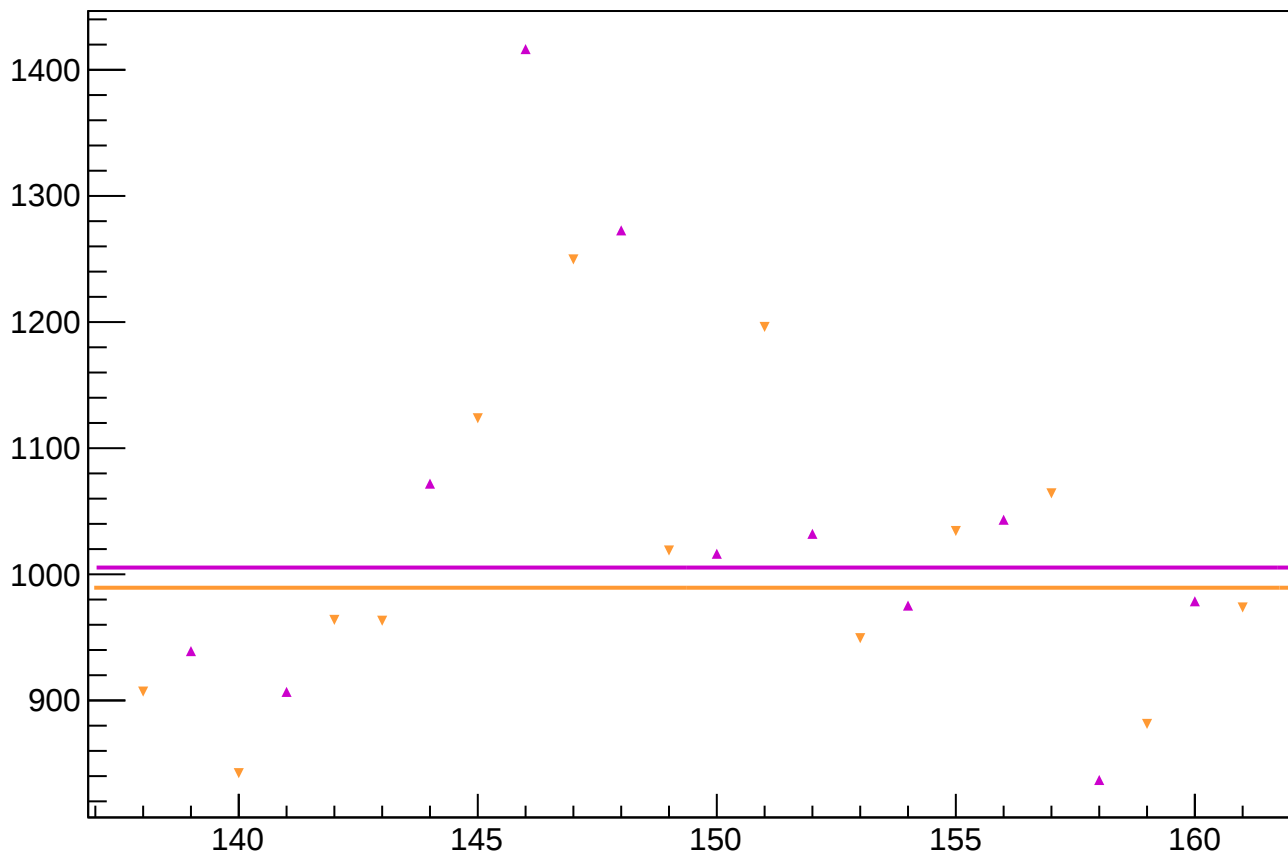
353.709+/-319.136 χ^2/NDF : 19.1/12

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

-305.842+/-339.019 χ^2/NDF : 18.2/10

Left In: -305.842+/-339.019 χ^2/NDF : 18.2/10

asym_sam6_correction_rms vs Slug



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

Left Out: 989.372+/-0.226 χ^2/NDF :238307.7/12

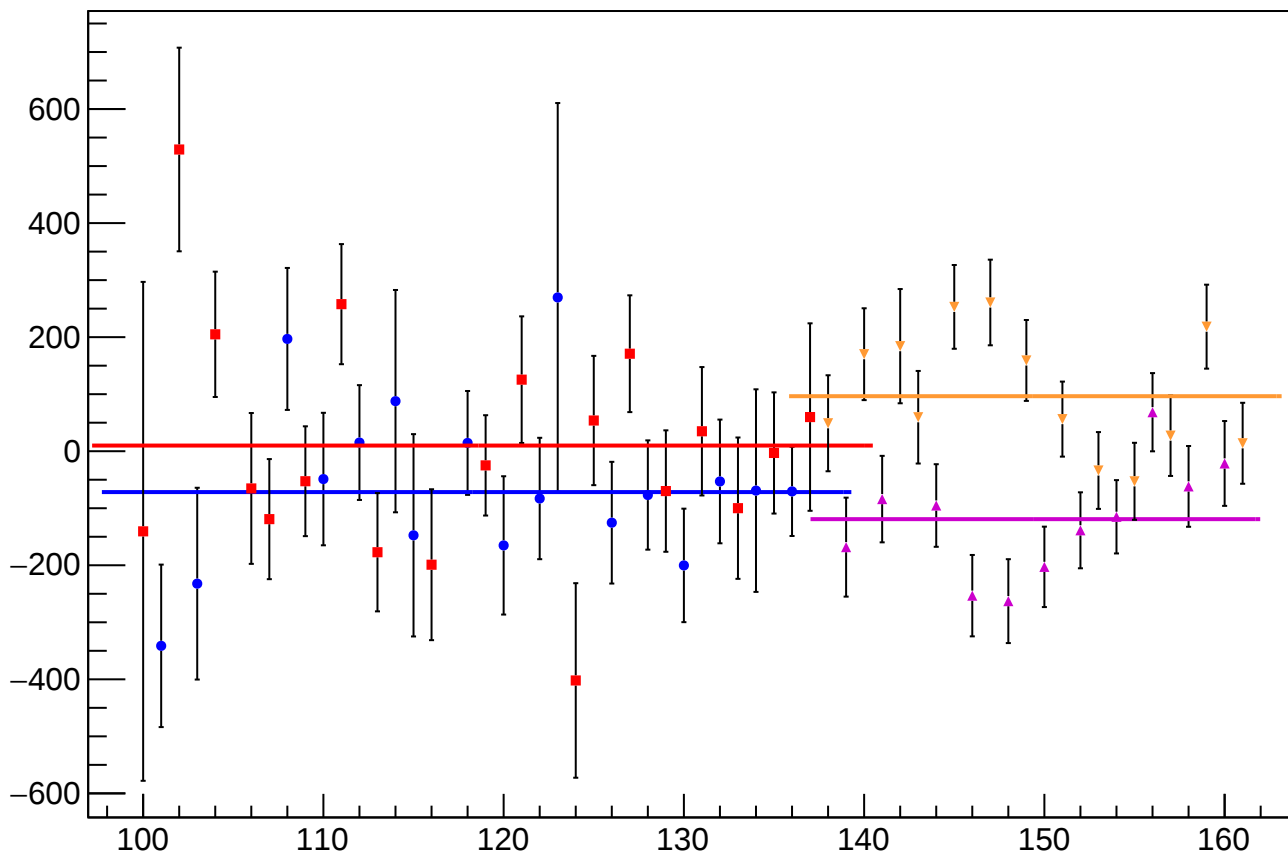
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1005.362+/-0.240 χ^2/NDF :312056.6/10

989.372+/-0.226 χ^2/NDF : 238307.7/12

1005.362+/-0.240 χ^2/NDF : 312056.6/10

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 χ^2/NDF : 15.2/16

Left Out: 96.470 ± 20.576 χ^2/NDF : 26.3/12

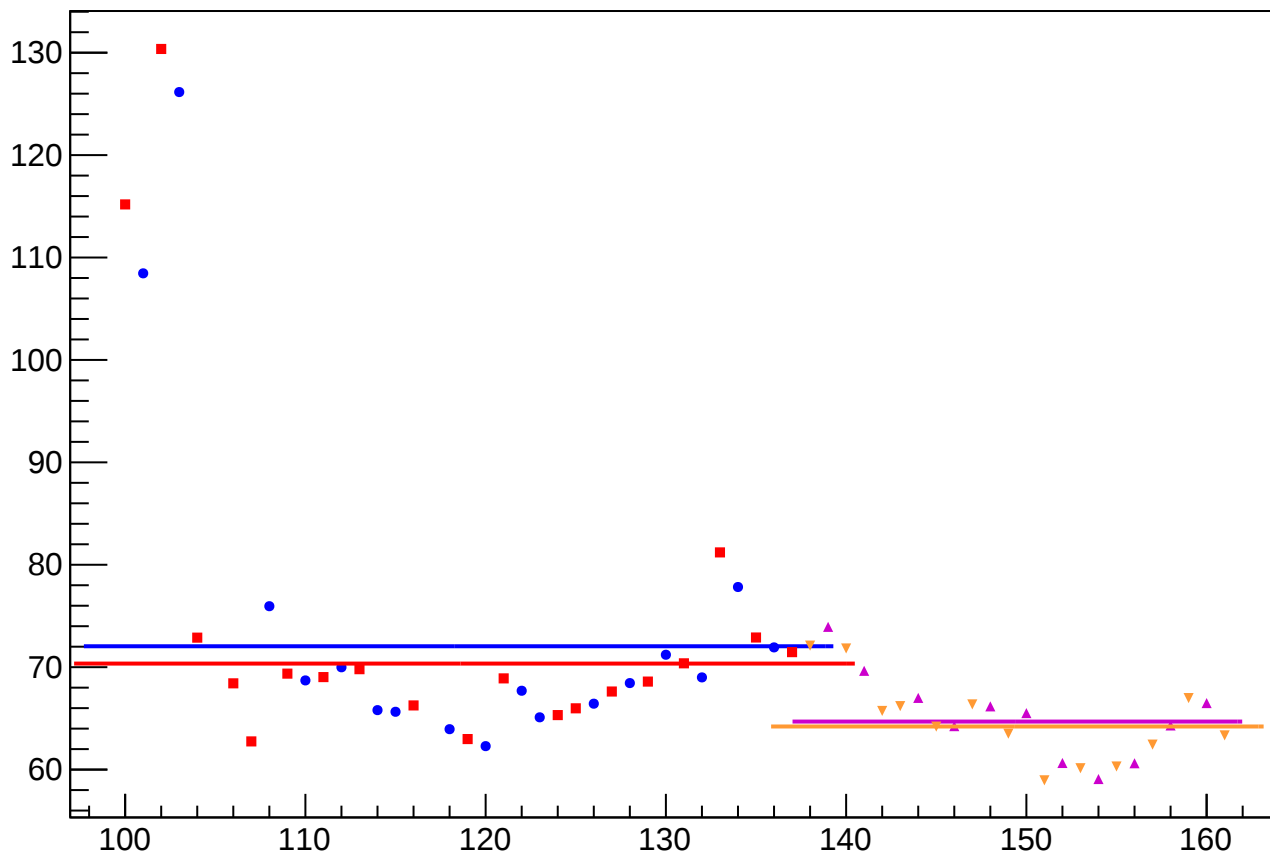
Right Out: 9.917 ± 26.816 χ^2/NDF : 36.5/18

Left In: -119.140 ± 21.618 χ^2/NDF : 19.4/10

38.479 ± 16.654 χ^2/NDF : 64.6/29

-68.304 ± 16.830 χ^2/NDF : 69.9/29

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 64.208 $\pm$ 0.015 χ^2 /NDF: 70176.9/12

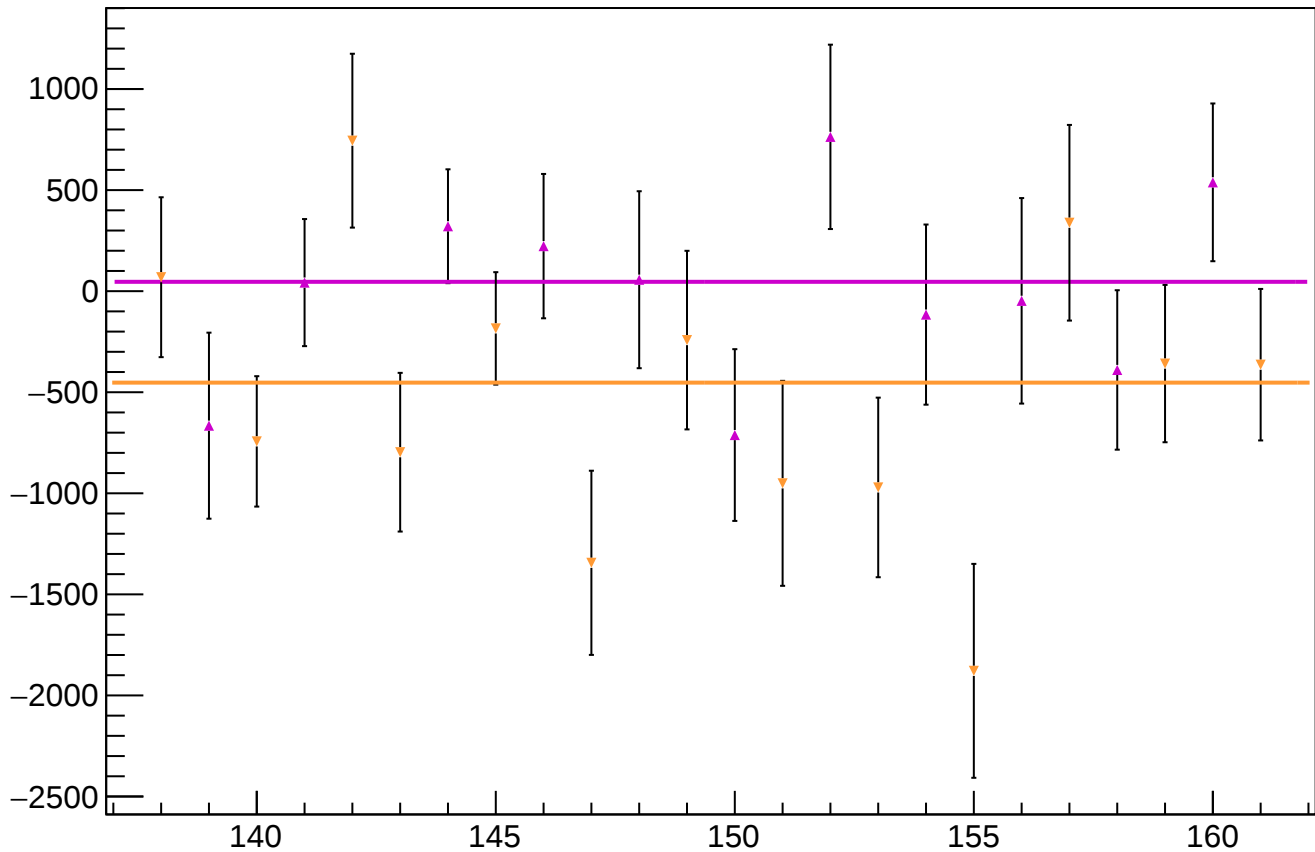
Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

Left In: 64.689 $\pm$ 0.015 χ^2 /NDF: 65350.3/10

66.910 $\pm$ 0.012 χ^2 /NDF: 562134.0/29

66.919 $\pm$ 0.012 χ^2 /NDF: 418392.7/29

asym_sam7_correction_mean vs Slug



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

Left Out: -452.461+/-110.918 χ^2/NDF : 28.4/12

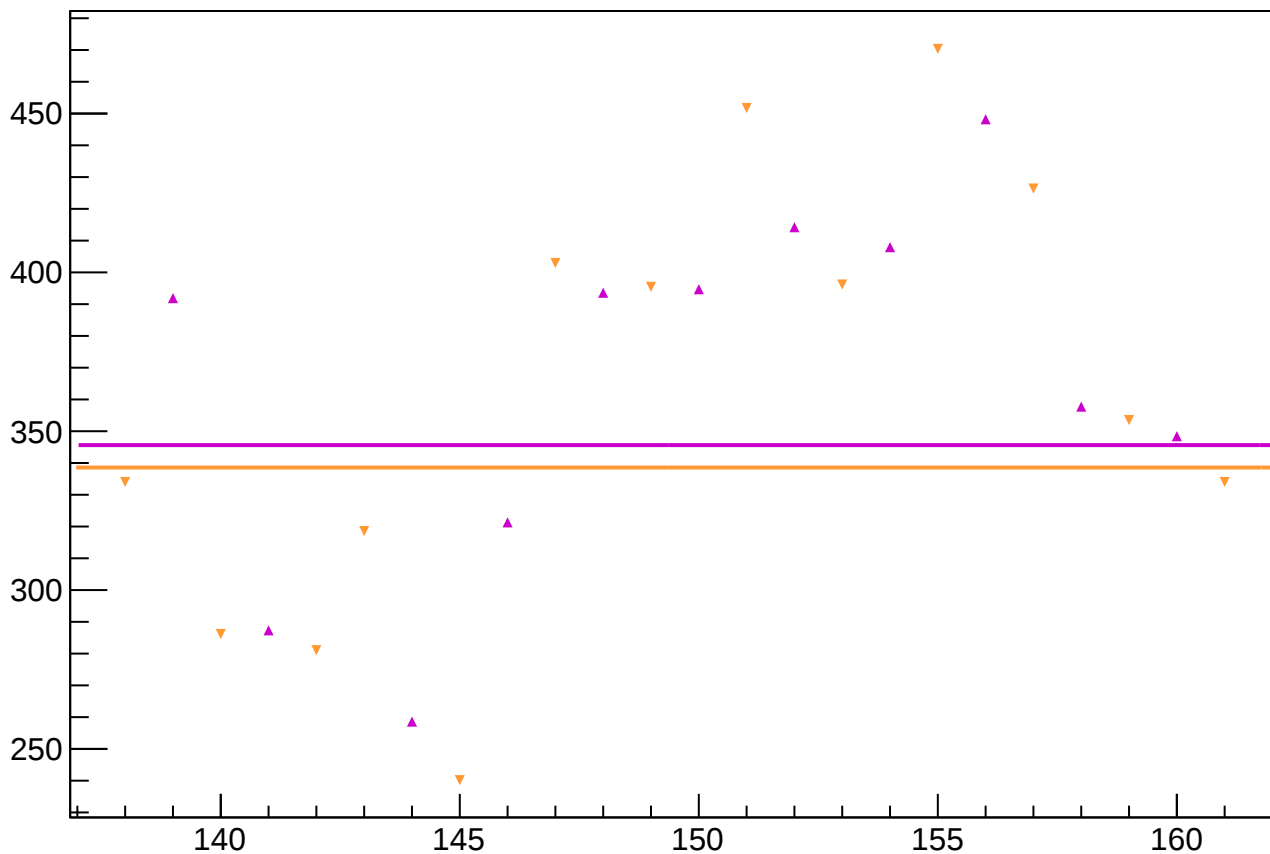
-452.461+/-110.918 χ^2/NDF : 28.4/12

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

46.267+/-117.241 χ^2/NDF : 12.2/10

Left In: 46.267+/-117.241 χ^2/NDF : 12.2/10

asym_sam7_correction_rms vs Slug



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

Left Out: 338.577+/-0.078 χ^2/NDF : 743832.4/12

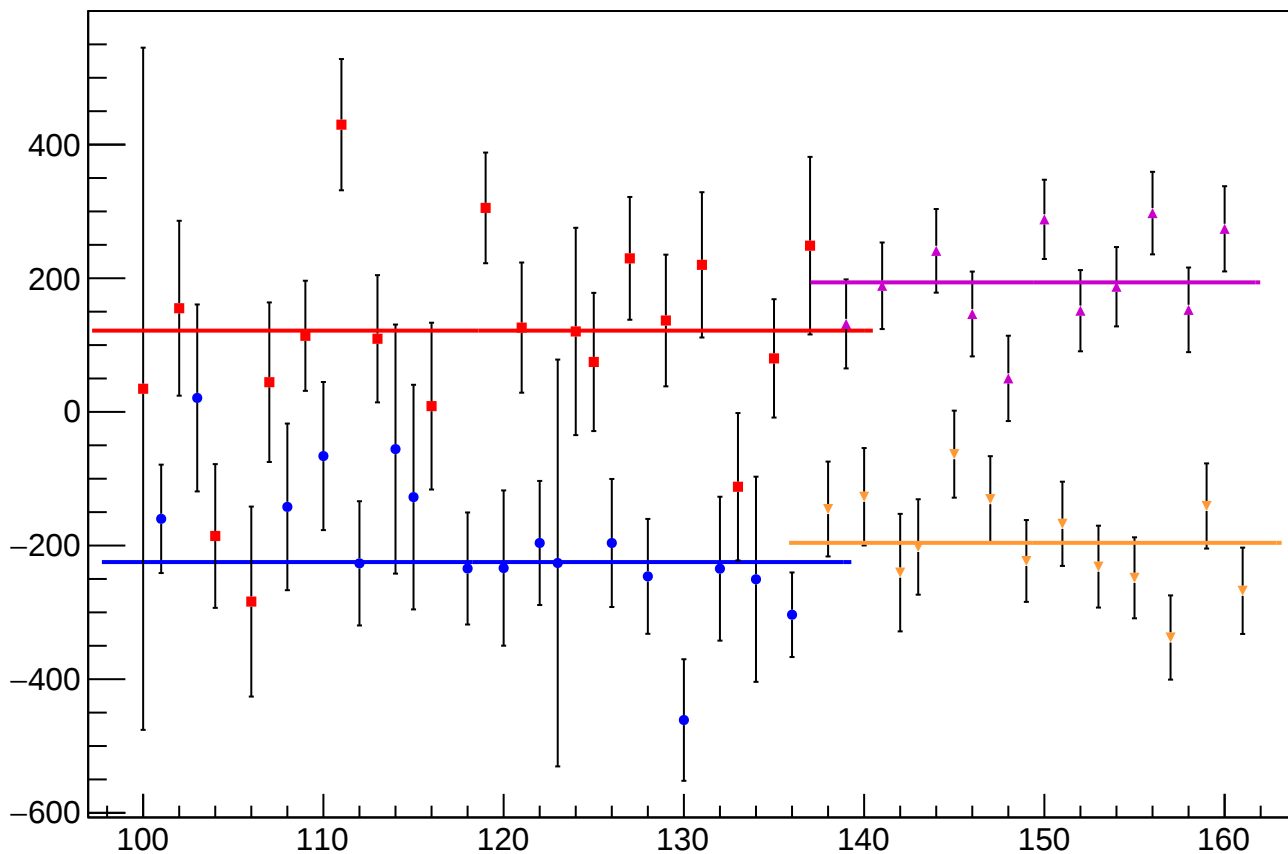
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 345.630+/-0.083 χ^2/NDF : 507632.5/10

338.577+/-0.078 χ^2/NDF : 743832.4/12

345.630+/-0.083 χ^2/NDF : 507632.5/10

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -195.917 ± 18.303 χ^2/NDF : 15.4/12

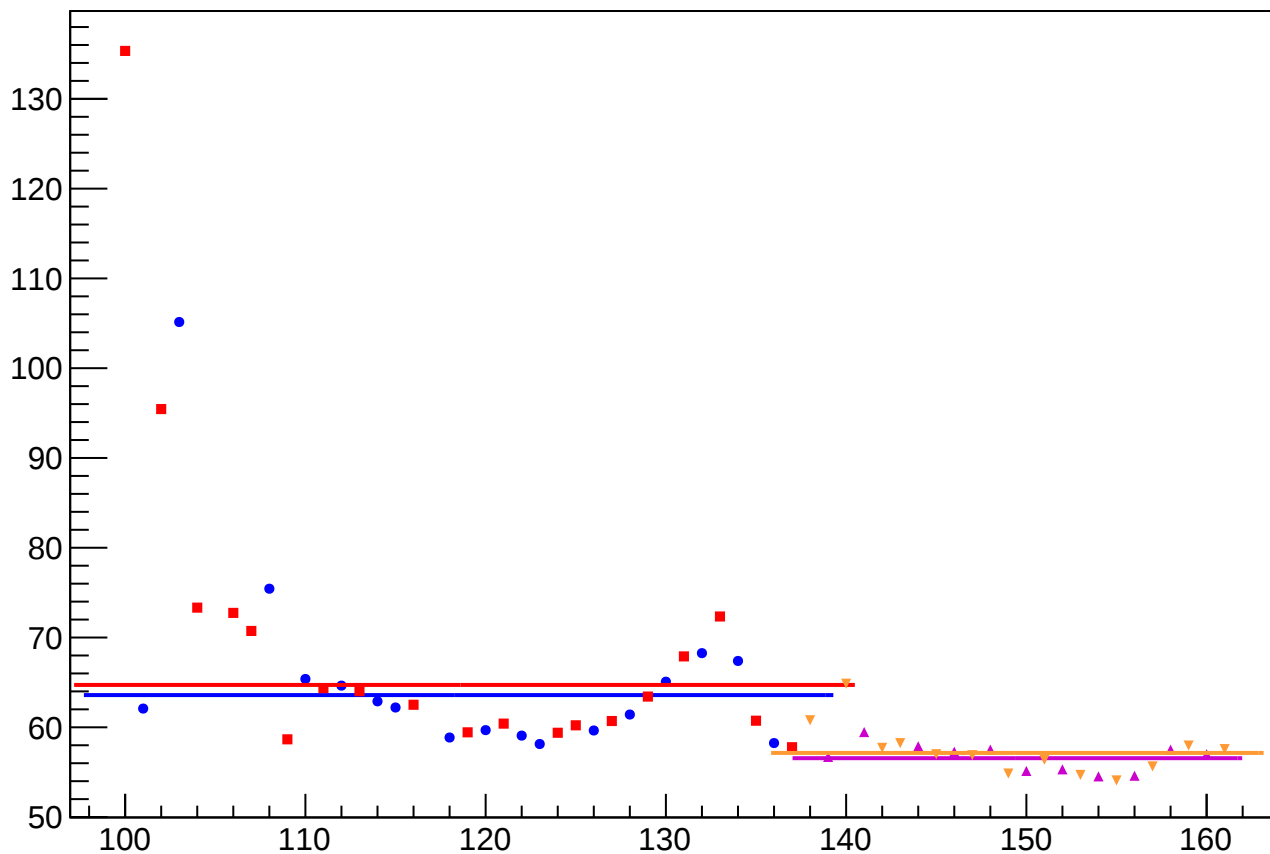
Right Out: 121.633 ± 24.599 χ^2/NDF : 40.5/18

Left In: 193.827 ± 18.869 χ^2/NDF : 14.9/10

-206.033 ± 14.743 χ^2/NDF : 32.2/29

167.084 ± 14.972 χ^2/NDF : 60.8/29

reg_asym_sam8_rms vs Slug



Right In: 63.589 ± 0.018 χ^2/NDF : 234601.0/16

Left Out: 57.147 ± 0.013 χ^2/NDF : 41162.0/12

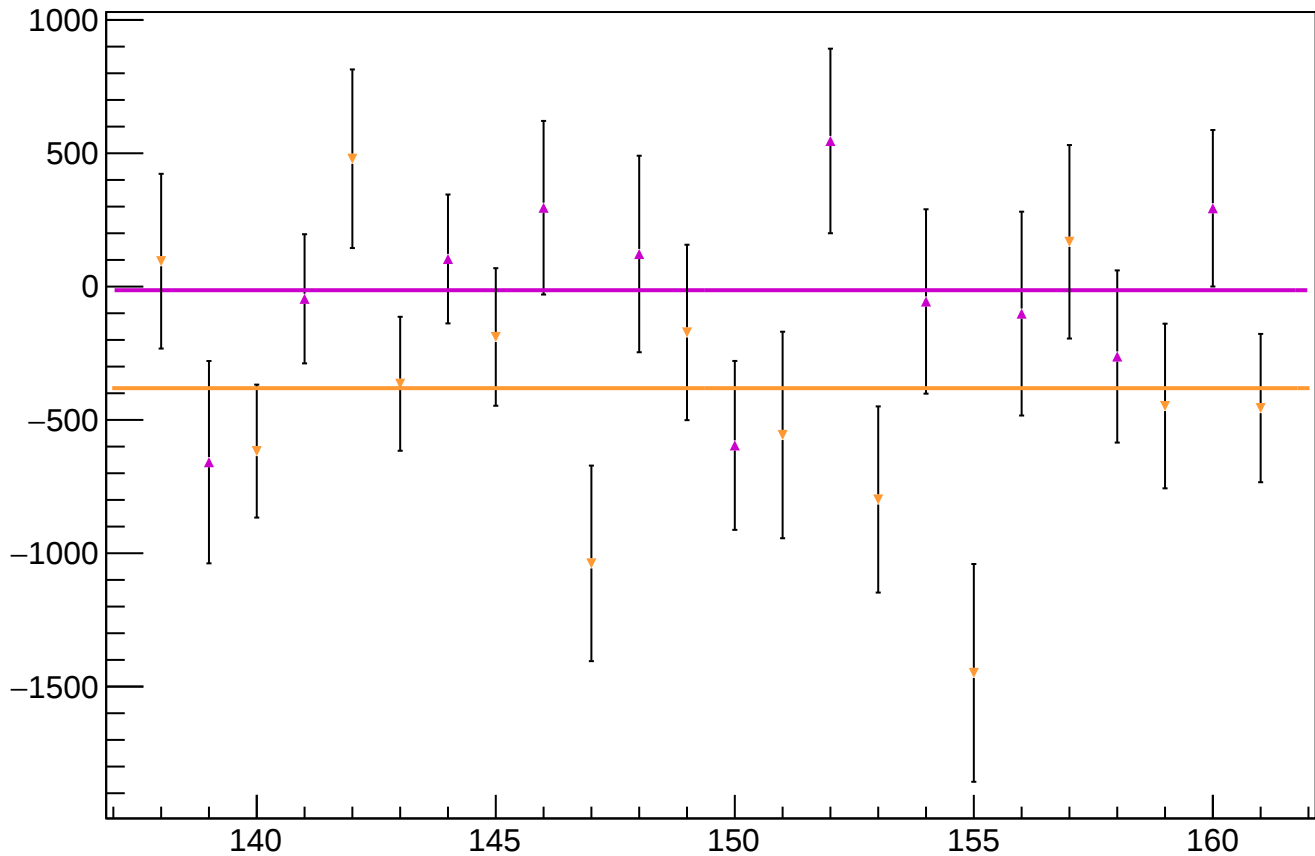
Right Out: 64.720 ± 0.017 χ^2/NDF : 227506.4/18

Left In: 56.560 ± 0.013 χ^2/NDF : 12525.1/10

59.409 ± 0.010 χ^2/NDF : 362756.6/29

59.583 ± 0.011 χ^2/NDF : 378587.7/29

asym_sam8_correction_mean vs Slug



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

Left Out: -380.912+/-86.470 χ^2/NDF : 24.7/12

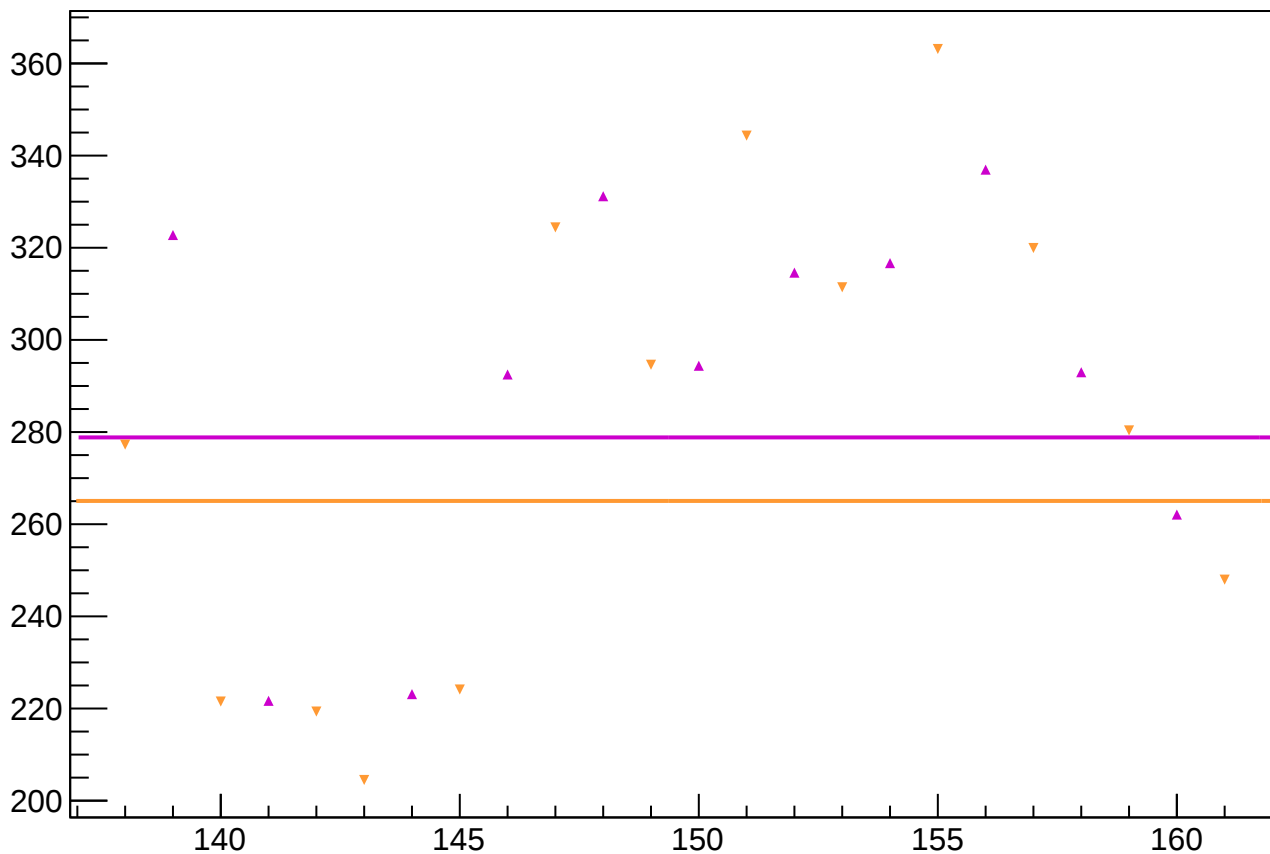
-380.912+/-86.470 χ^2/NDF : 24.7/12

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

-13.572+/-94.220 χ^2/NDF : 11.9/10

Left In: -13.572+/-94.220 χ^2/NDF : 11.9/10

asym_sam8_correction_rms vs Slug



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

Left Out: 265.052+/-0.061 χ^2/NDF : 628833.1/12

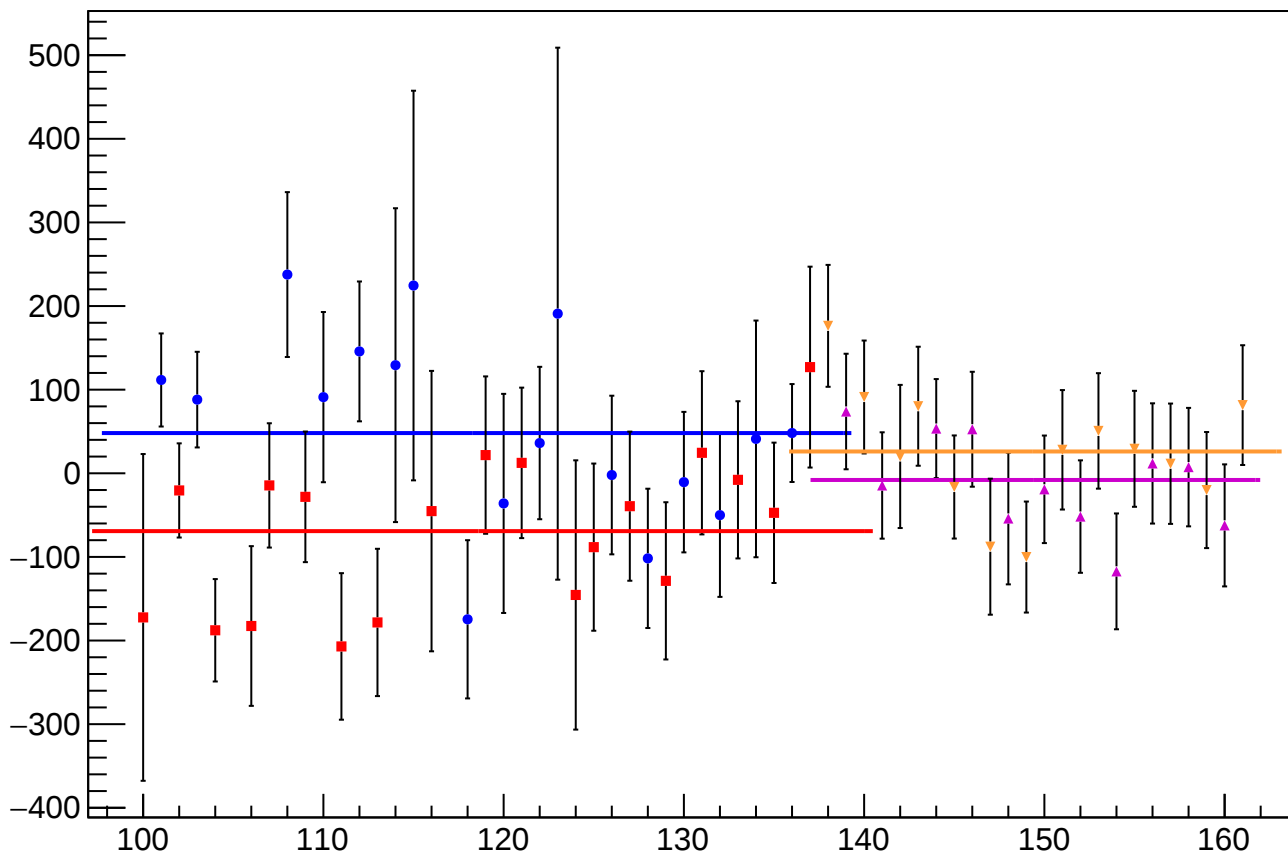
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 278.838+/-0.067 χ^2/NDF : 395102.4/10

265.052+/-0.061 χ^2/NDF : 628833.1/12

278.838+/-0.067 χ^2/NDF : 395102.4/10

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109 ± 21.510 χ^2/NDF : 19.0/16

Left Out: 26.095 ± 19.640 χ^2/NDF : 13.0/12

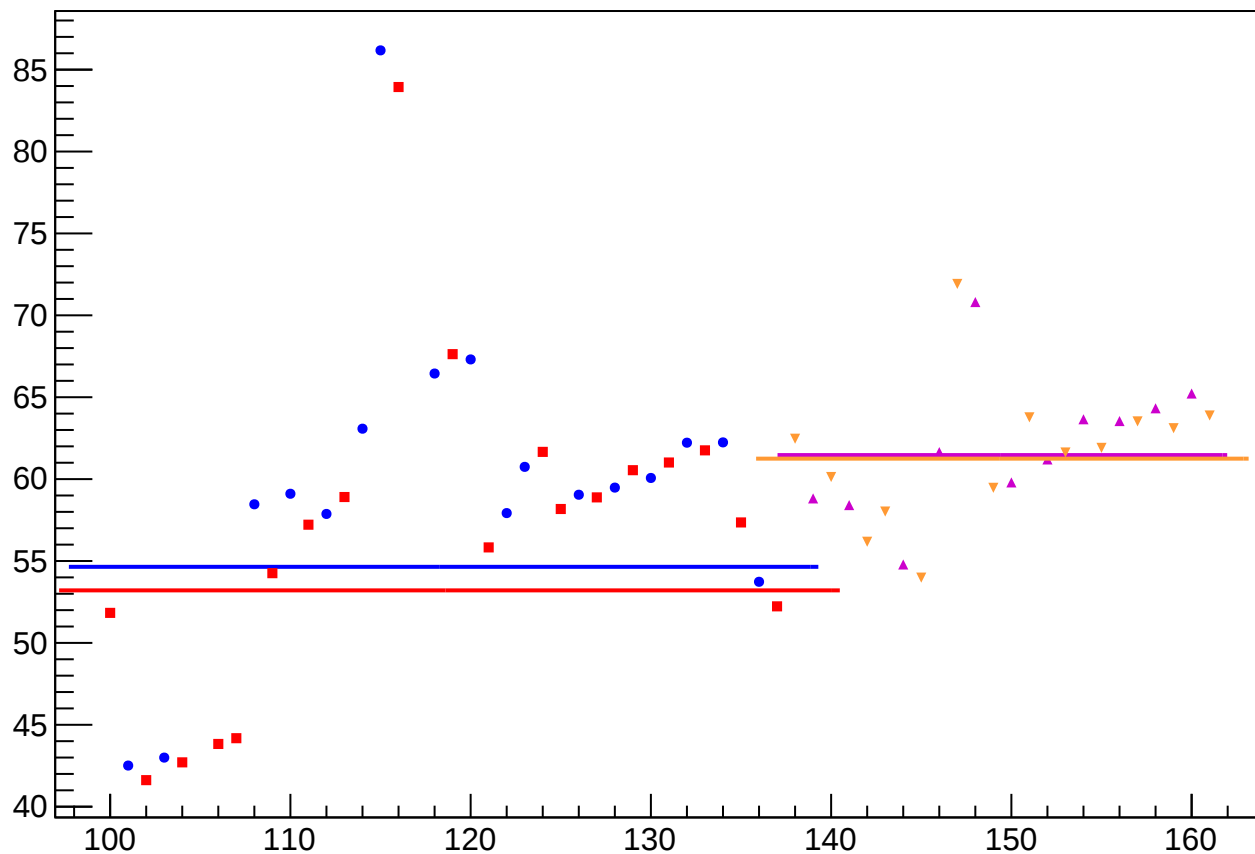
Right Out: -69.156 ± 20.407 χ^2/NDF : 17.7/18

Left In: -7.983 ± 20.554 χ^2/NDF : 7.2/10

36.104 ± 14.504 χ^2/NDF : 32.6/29

-38.788 ± 14.482 χ^2/NDF : 29.3/29

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 61.250+/-0.014 χ^2/NDF : 84747.3/12

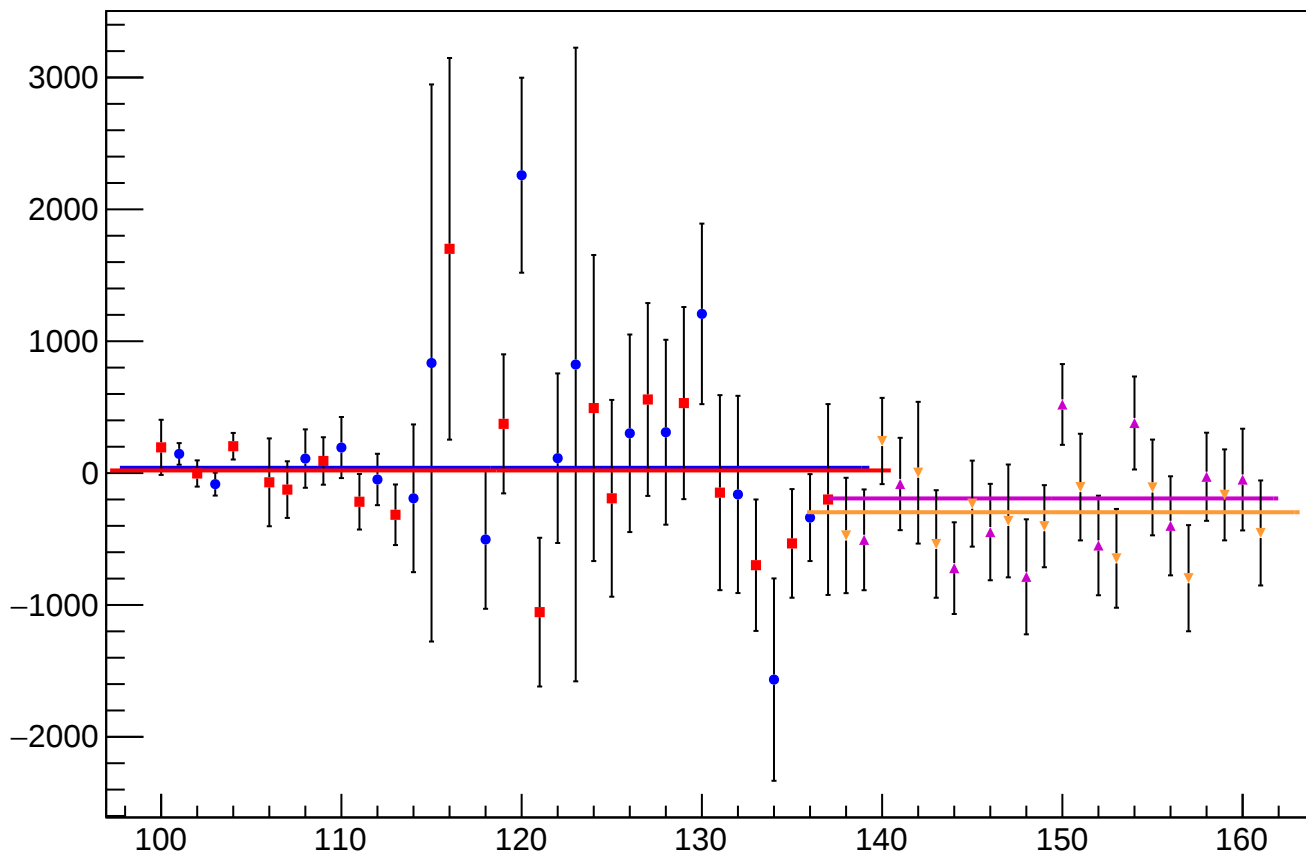
Right Out: 53.207+/-0.014 χ^2/NDF : 386295.2/18

Left In: 61.468+/-0.015 χ^2/NDF : 74760.8/10

58.247+/-0.010 χ^2/NDF : 506878.8/29

57.308+/-0.010 χ^2/NDF : 623742.3/29

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 ± 51.542 χ^2/NDF : 23.9/16

Left Out: -296.656 ± 104.862 χ^2/NDF : 6.9/12

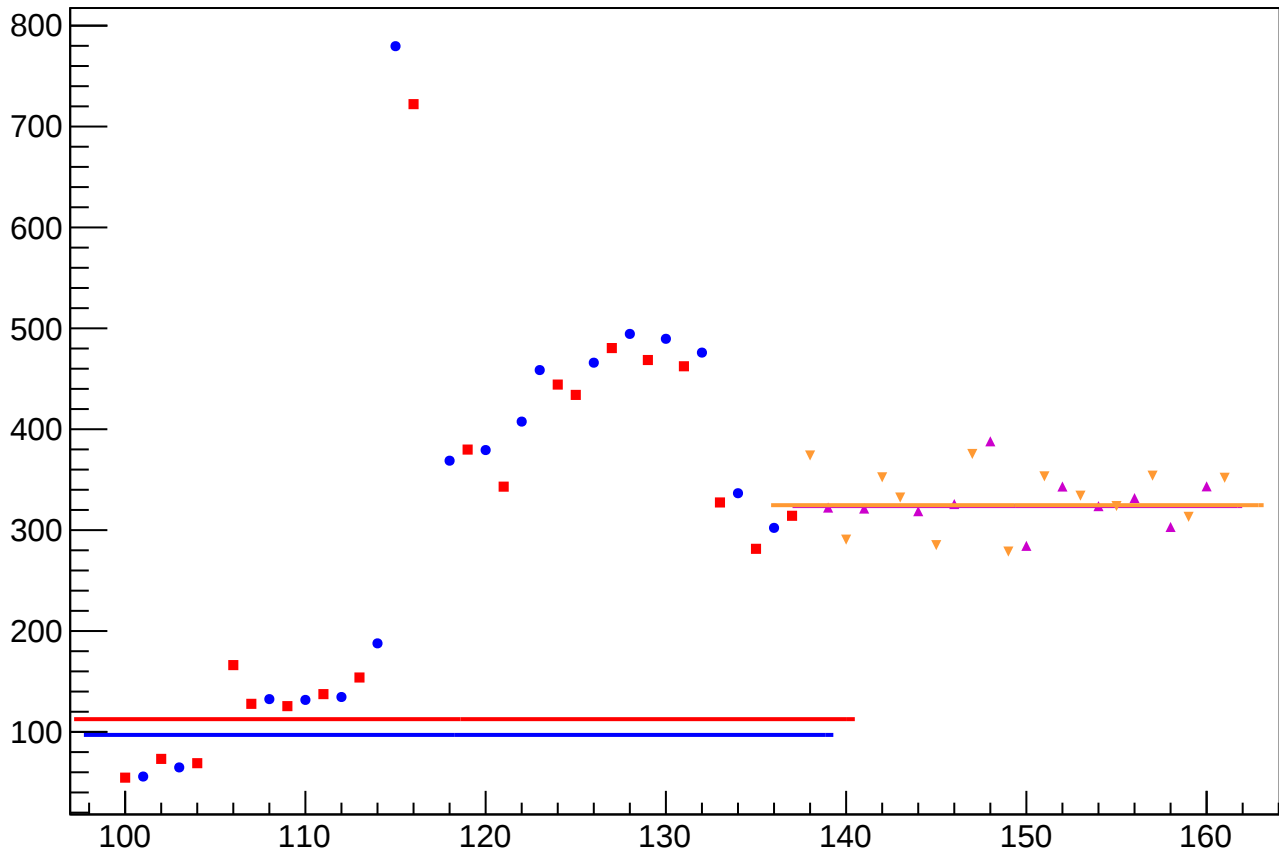
Right Out: 20.232 ± 53.274 χ^2/NDF : 18.9/18

Left In: -192.140 ± 108.776 χ^2/NDF : 15.1/10

-25.342 ± 46.257 χ^2/NDF : 39.1/29

-20.854 ± 47.844 χ^2/NDF : 37.0/29

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 324.731+/-0.074 χ^2/NDF : 187794.2/12

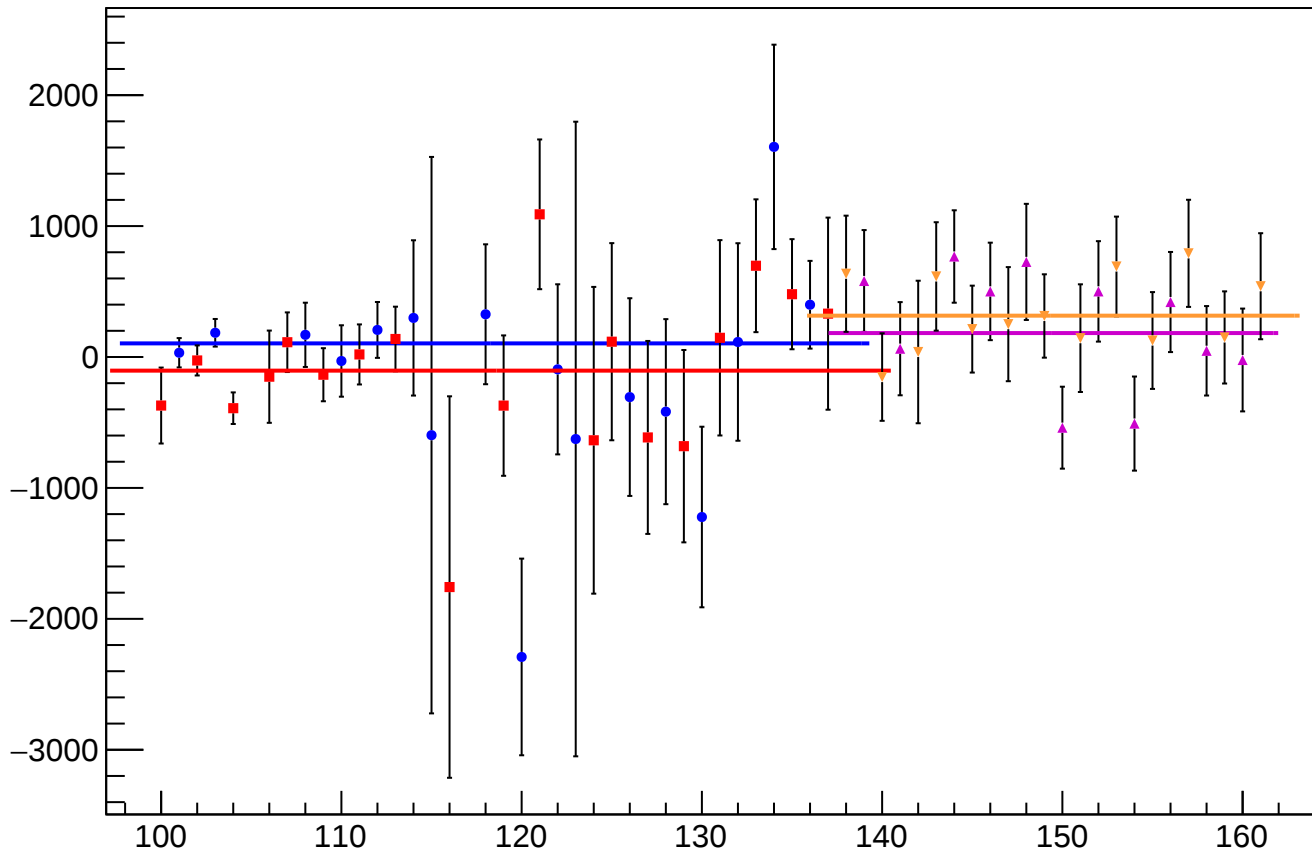
141.345+/-0.033 χ^2/NDF : 13602251.4/29

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

153.506+/-0.034 χ^2/NDF : 11211577.6/29

Left In: 323.822+/-0.077 χ^2/NDF : 96052.2/10

asym_sam_15_avg_mean vs Slug



Right In: 104.001 ± 63.156 χ^2/NDF : 21.3/16

Left Out: 315.737 ± 106.775 χ^2/NDF : 6.7/12

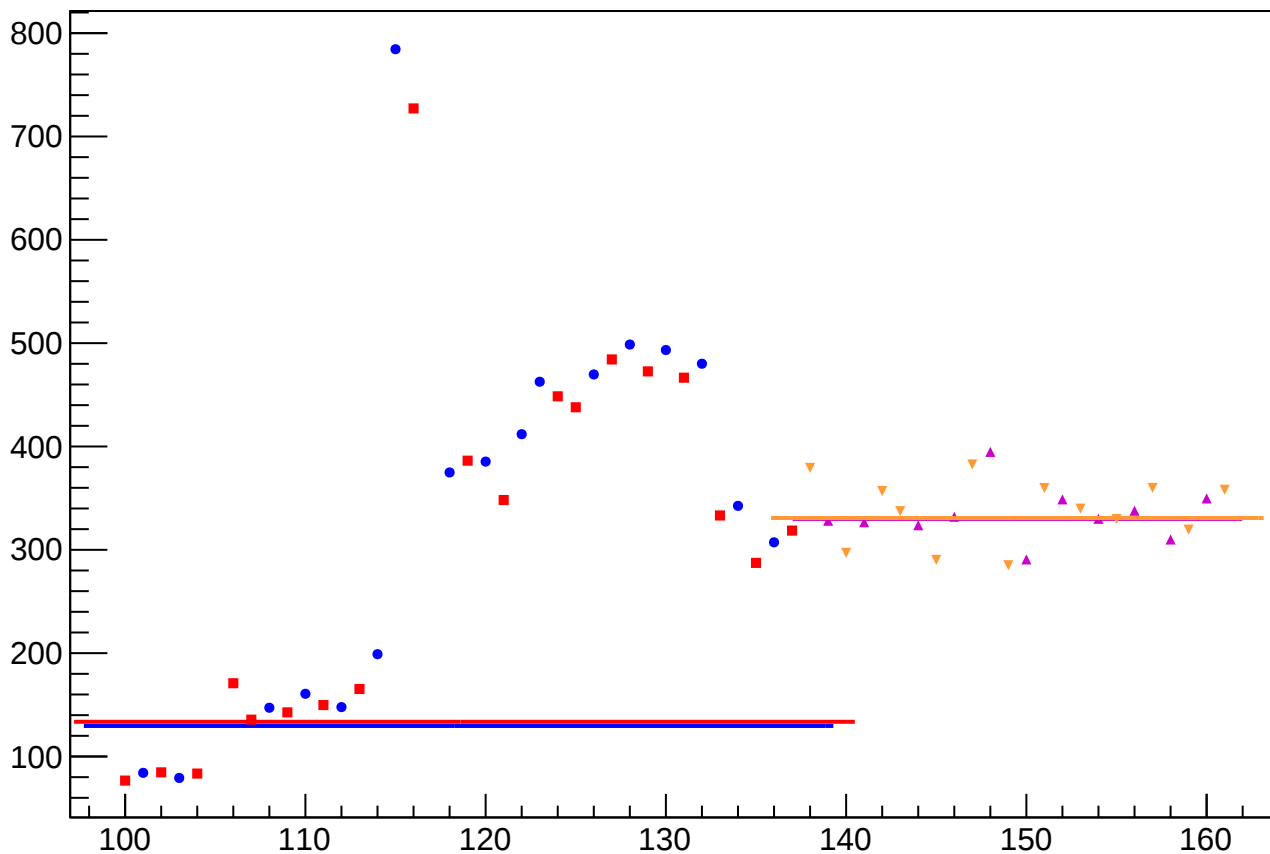
Right Out: -104.140 ± 60.857 χ^2/NDF : 21.3/18

Left In: 182.840 ± 110.785 χ^2/NDF : 16.7/10

158.879 ± 54.359 χ^2/NDF : 30.9/29

-37.615 ± 53.339 χ^2/NDF : 43.2/29

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 330.804+/-0.076 χ^2/NDF : 181093.3/12

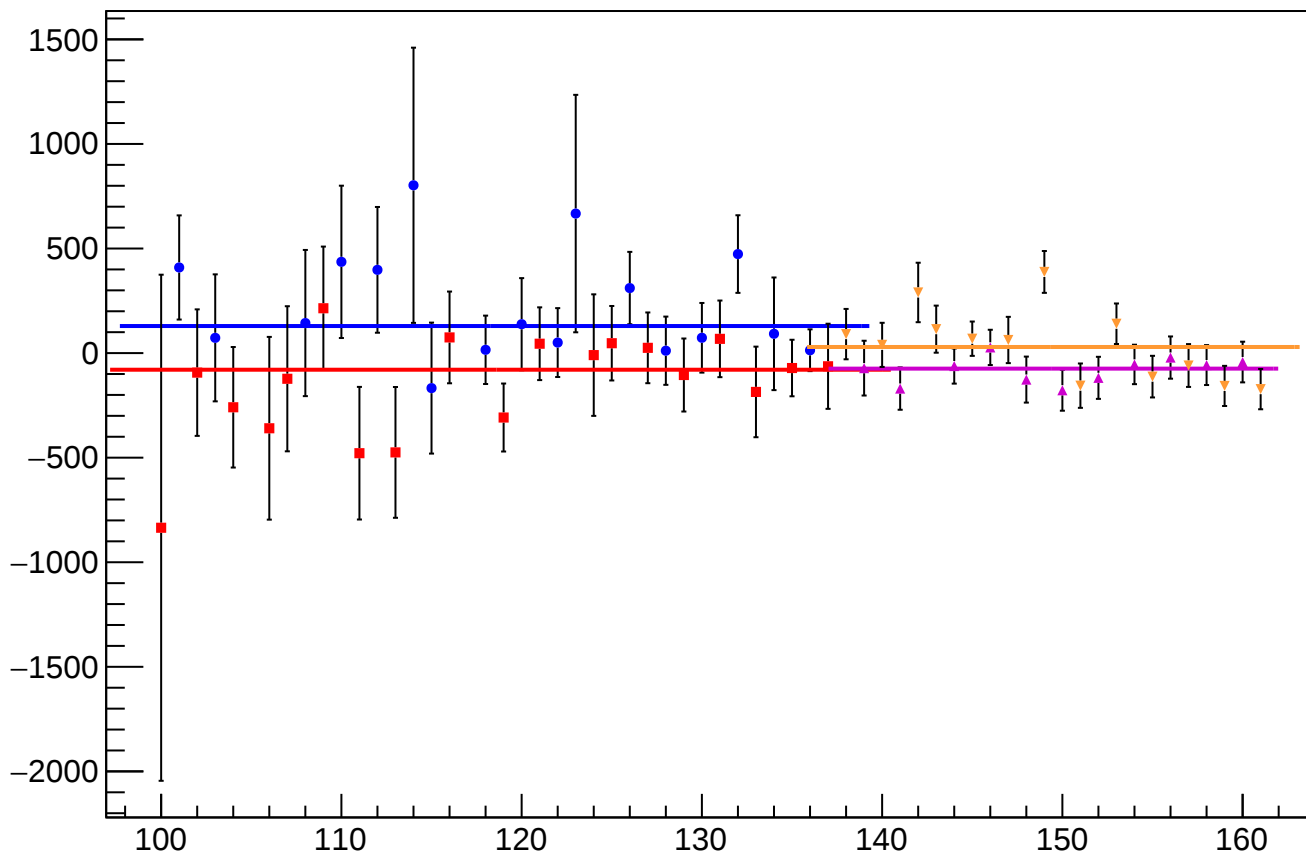
Right Out: 133.593+/-0.043 χ^2/NDF : 4366252.1/18

Left In: 329.914+/-0.078 χ^2/NDF : 92669.9/10

181.713+/-0.038 χ^2/NDF : 10217127.5/29

179.102+/-0.038 χ^2/NDF : 9283668.9/29

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 29.184 $\pm$ 28.566 χ^2 /NDF:32.7/12

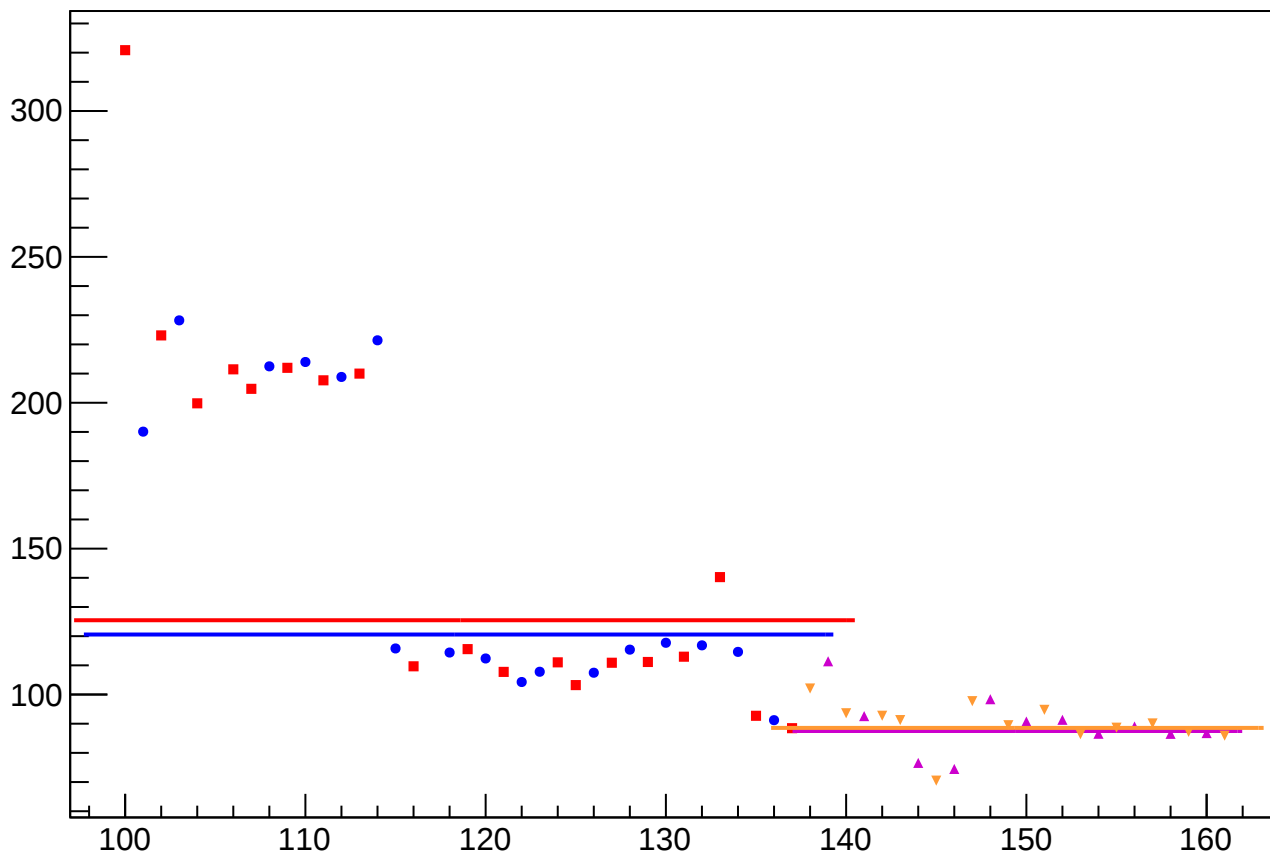
Right Out: -79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

Left In: -74.273 $\pm$ 29.485 χ^2 /NDF:4.4/10

54.510 $\pm$ 24.694 χ^2 /NDF: 48.7/29

-75.622 $\pm$ 25.383 χ^2 /NDF: 14.6/29

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 88.556 $\pm$ 0.020 χ^2 /NDF:153597.8/12

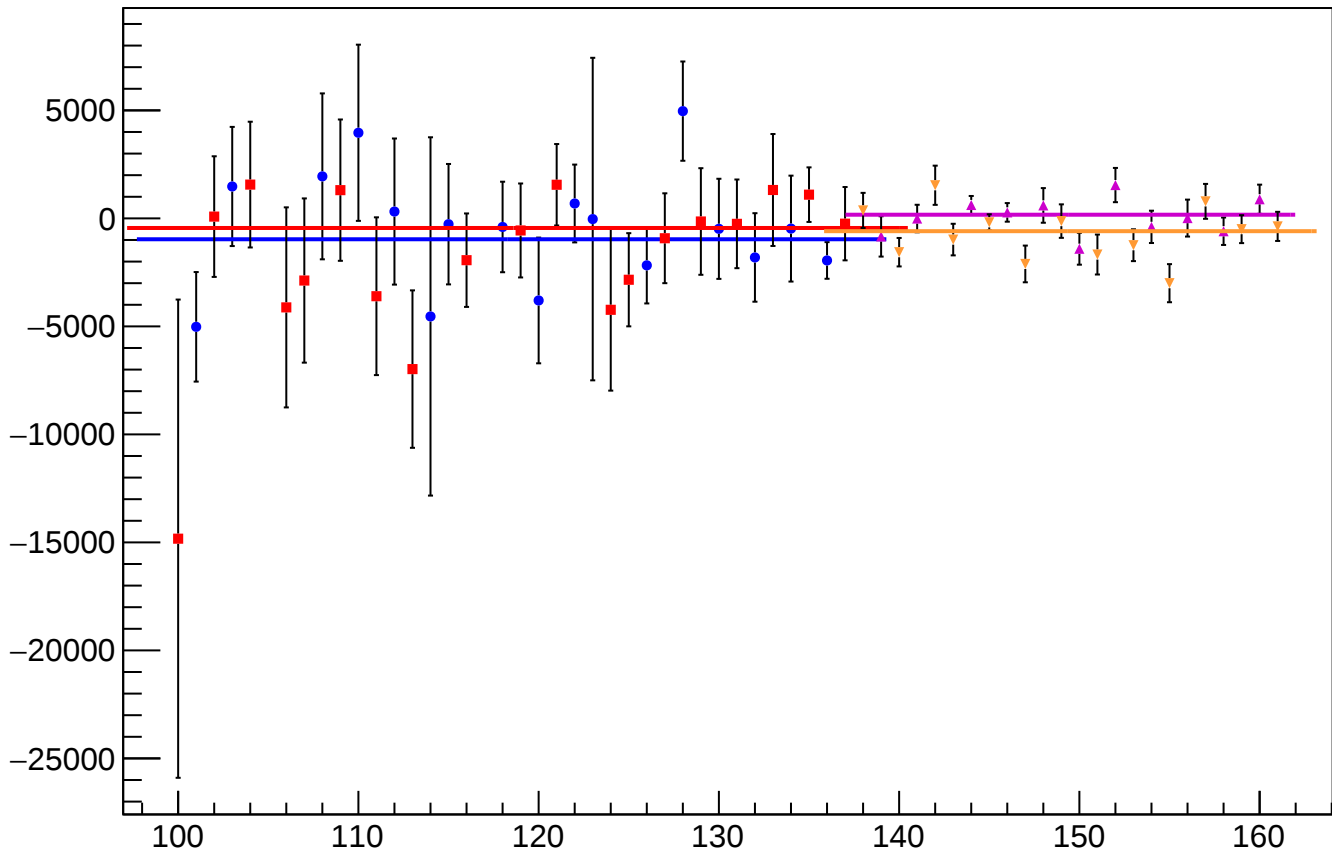
Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

Left In: 87.496 $\pm$ 0.021 χ^2 /NDF:178813.4/10

96.646 $\pm$ 0.017 χ^2 /NDF: 1900283.8/29

97.325 $\pm$ 0.018 χ^2 /NDF: 2370901.9/29

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -592.396 ± 190.217 χ^2/NDF : 26.8/12

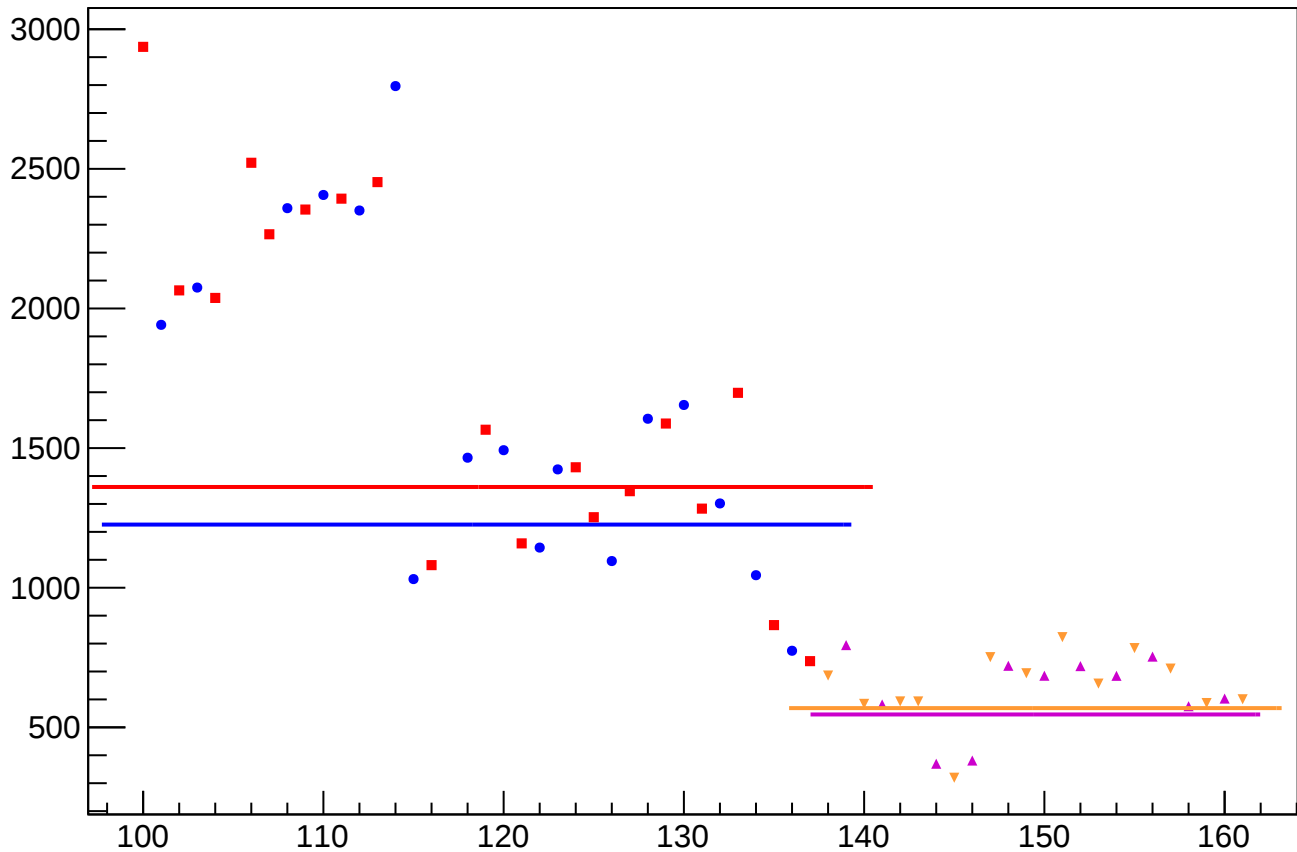
Right Out: -444.406 ± 545.370 χ^2/NDF : 13.4/18

Left In: 169.561 ± 190.500 χ^2/NDF : 13.5/10

-637.727 ± 178.323 χ^2/NDF : 43.6/29

102.796 ± 179.844 χ^2/NDF : 28.0/29

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 568.887+/-0.135 χ^2/NDF : 1458213.0/12

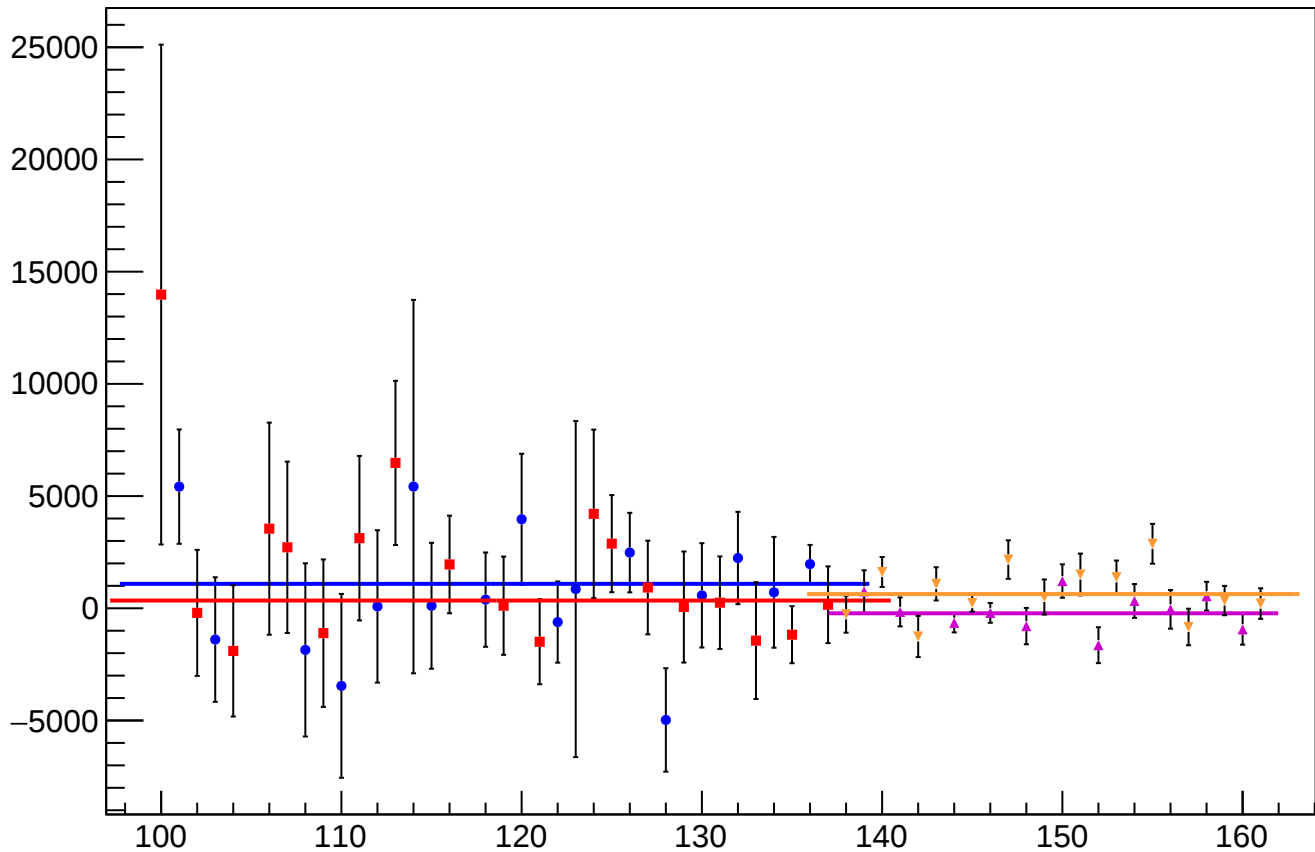
Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

Left In: 546.151+/-0.135 χ^2/NDF : 1264207.4/10

648.508+/-0.126 χ^2/NDF : 6107145.5/29

634.736+/-0.127 χ^2/NDF : 6990307.5/29

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 ± 515.272 χ^2/NDF : 16.9/16

Left Out: 689.503 ± 180.671 χ^2/NDF : 24.4/12

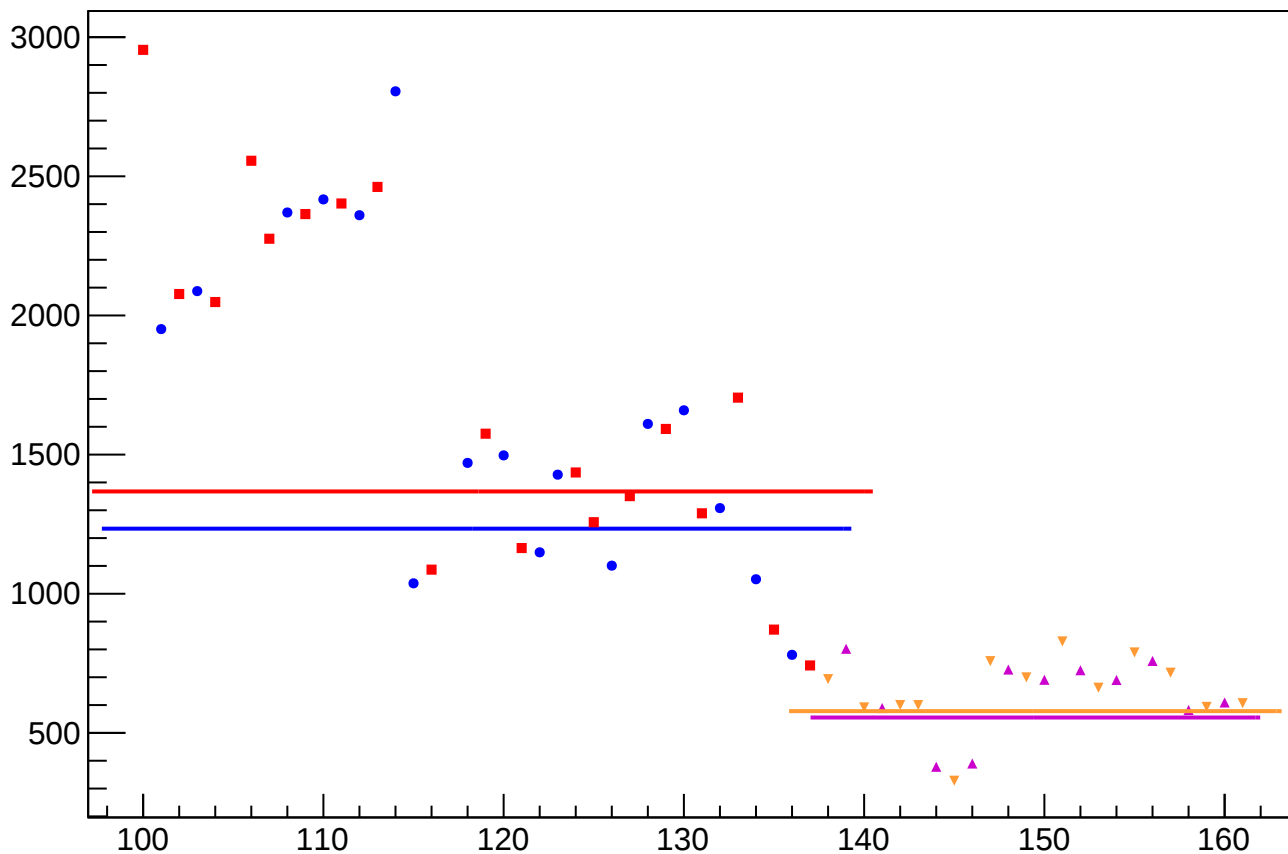
689.503 ± 180.671 χ^2/NDF : 42.1/29

Right Out: 345.640 ± 548.191 χ^2/NDF : 12.5/18

-159.890 ± 182.325 χ^2/NDF : 26.0/29

Left In: -222.767 ± 193.332 χ^2/NDF : 12.5/10

asym_sam_26_avg_rms vs Slug



Right In: 1233.863 ± 0.364 $\chi^2/\text{NDF}: 1744048.5/16$

Left Out: 578.164 ± 0.136 $\chi^2/\text{NDF}: 1386393.3/12$

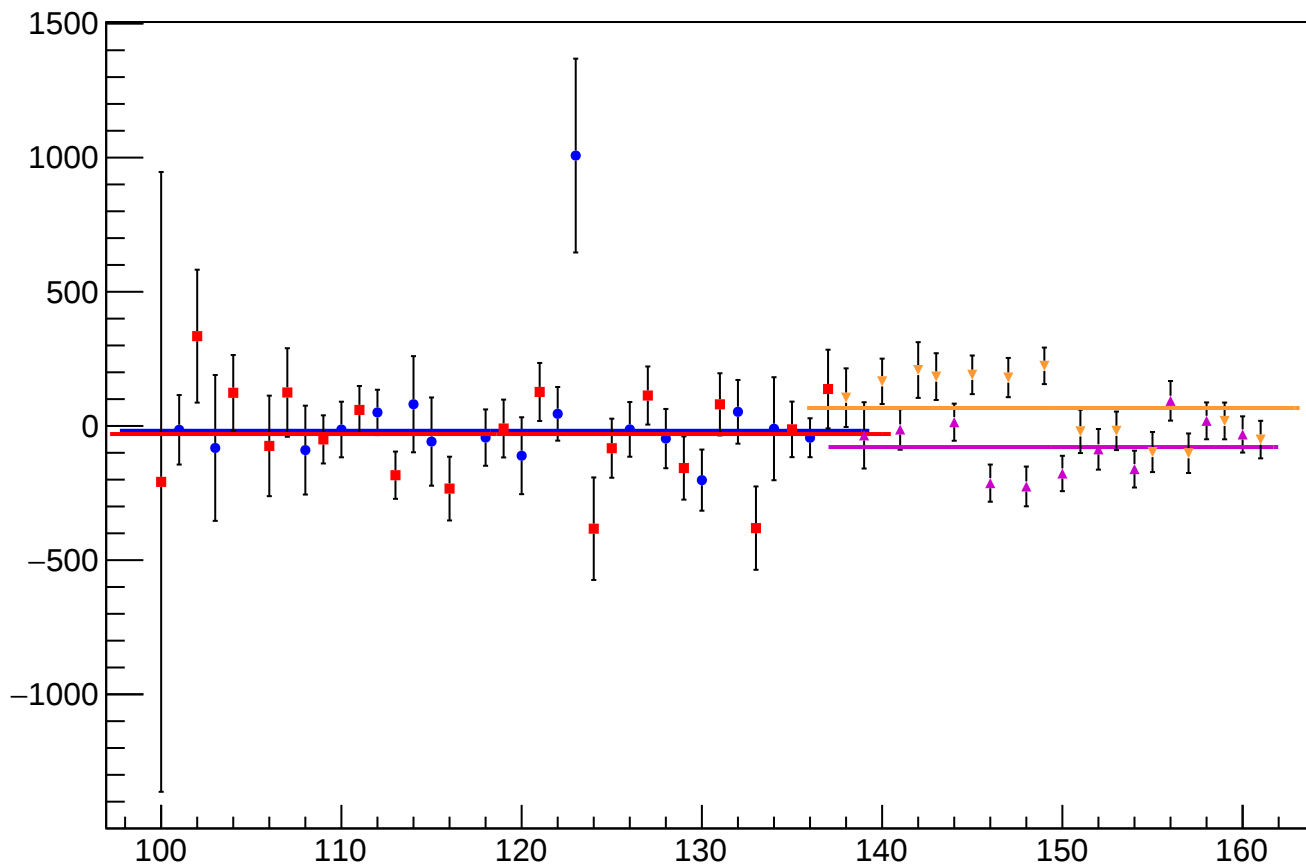
Right Out: 1367.609 ± 0.388 $\chi^2/\text{NDF}: 1744594.4/18$

Left In: 555.296 ± 0.137 $\chi^2/\text{NDF}: 1208128.5/10$

658.778 ± 0.128 $\chi^2/\text{NDF}: 5970929.3/29$

645.153 ± 0.129 $\chi^2/\text{NDF}: 6858437.8/29$

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 66.940 ± 21.458 $\chi^2/\text{NDF}: 31.8/12$

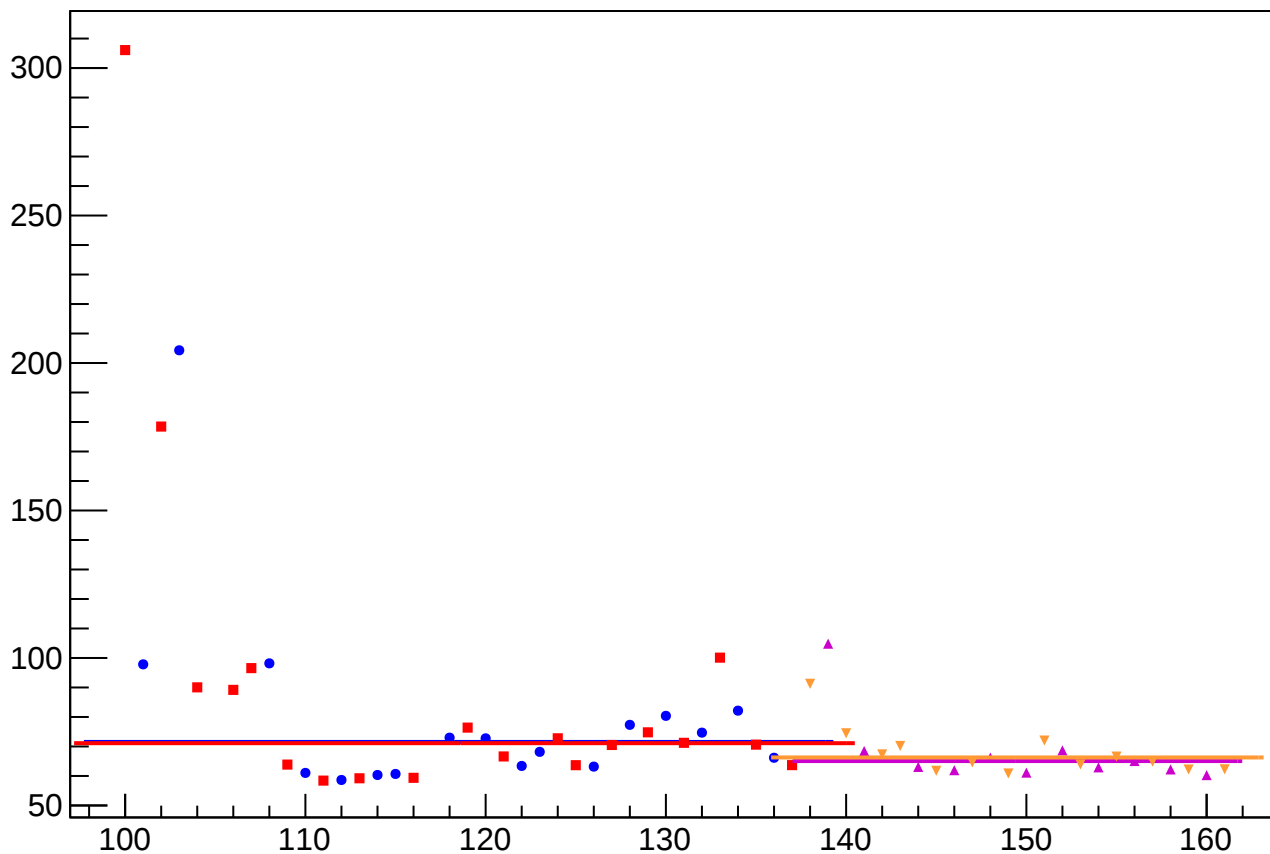
Right Out: -30.070 ± 27.976 $\chi^2/\text{NDF}: 27.4/18$

Left In: -78.553 ± 21.963 $\chi^2/\text{NDF}: 22.0/10$

36.695 ± 17.217 $\chi^2/\text{NDF}: 50.7/29$

-60.066 ± 17.275 $\chi^2/\text{NDF}: 51.3/29$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 66.275+/-0.015 χ^2/NDF :175730.2/12

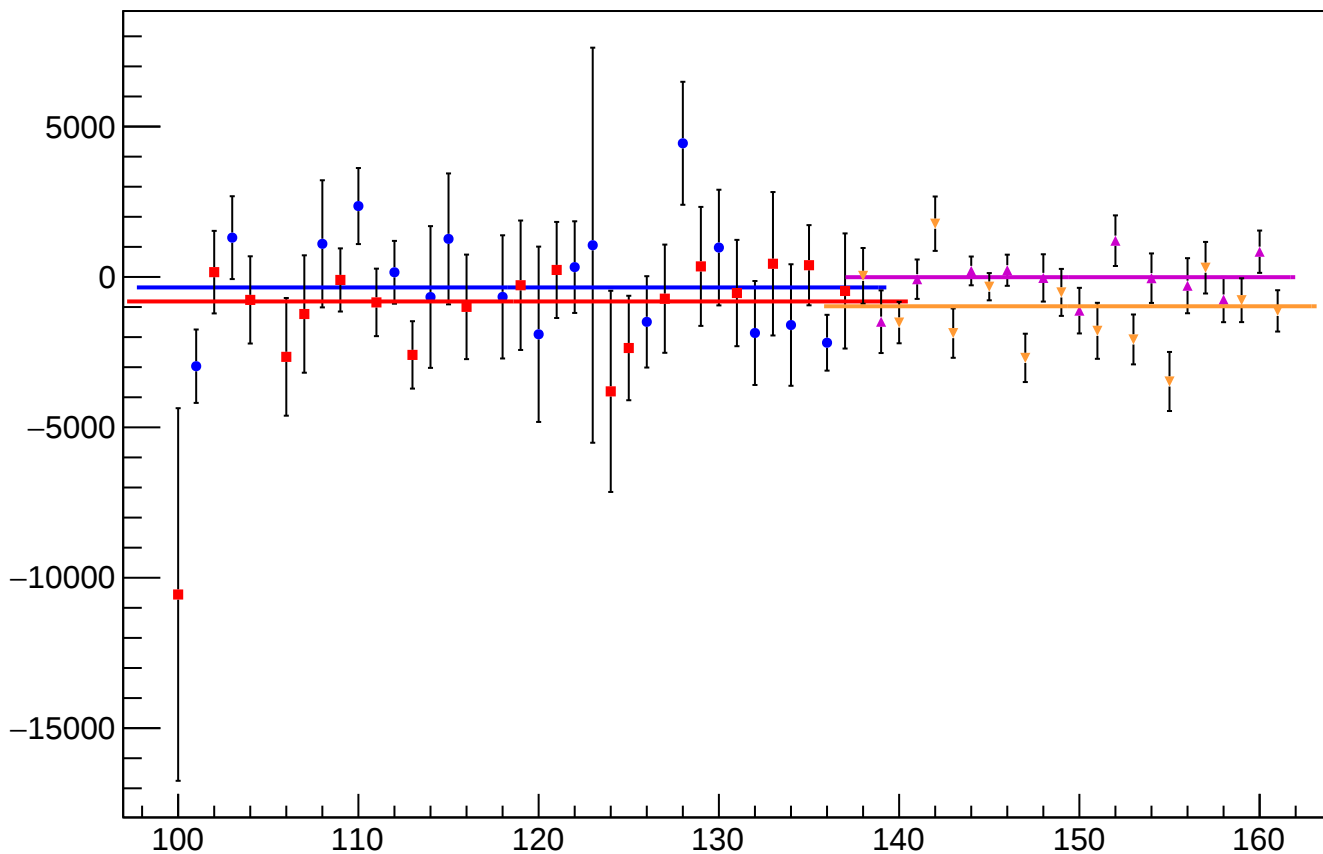
Right Out: 71.115+/-0.020 χ^2/NDF : 765159.2/18

Left In: 65.051+/-0.016 χ^2/NDF :244836.5/10

68.149+/-0.012 χ^2/NDF : 977512.0/29

67.363+/-0.012 χ^2/NDF : 1068127.1/29

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -974.469+/-208.268 χ^2/NDF :30.6/12

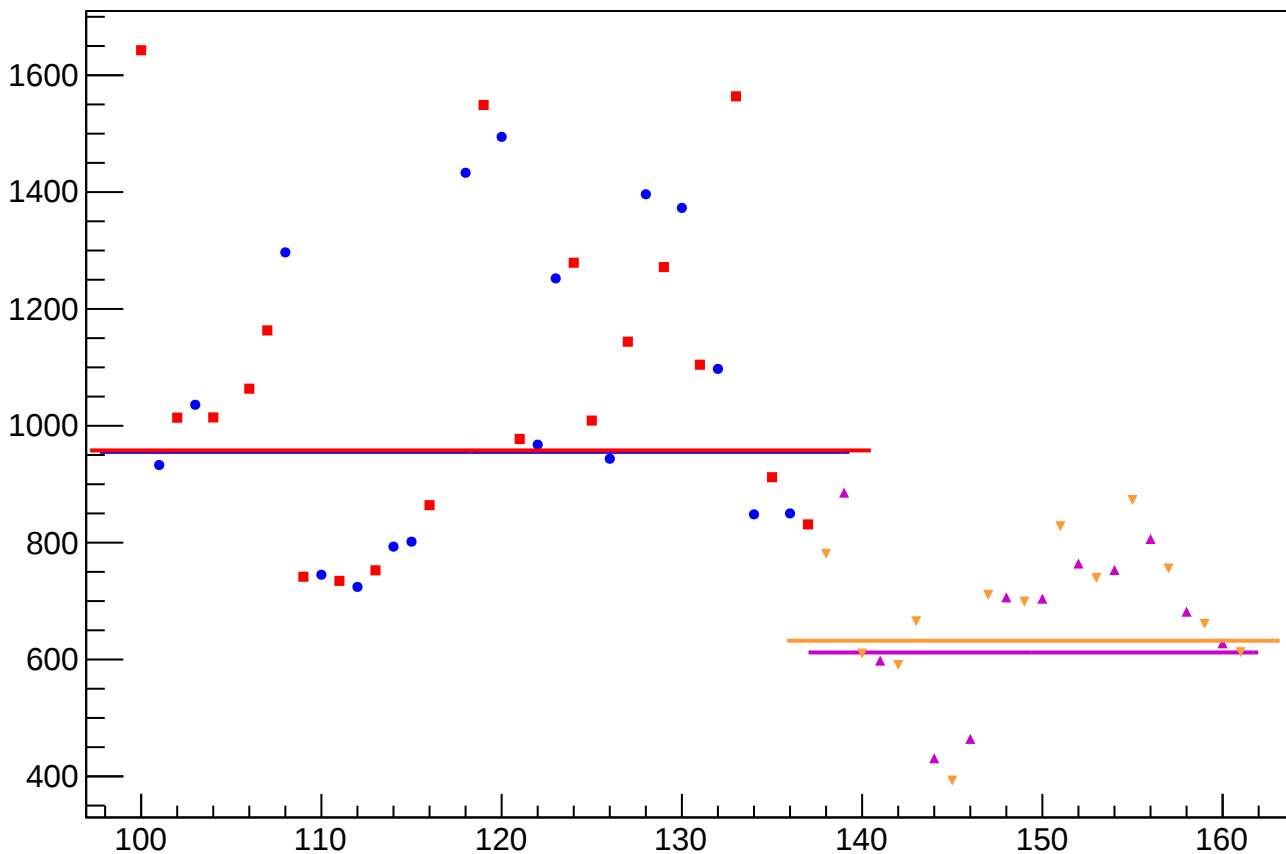
Right Out: -814.154+/-369.807 χ^2/NDF : 10.5/18

Left In: -7.439+/-210.436 χ^2/NDF :9.2/10

-830.903+/-182.856 χ^2/NDF : 56.7/29

-204.766+/-182.897 χ^2/NDF : 23.3/29

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425 +/- 0.270 χ^2/NDF : 646512.4/16

Left Out: 632.186 +/- 0.147 χ^2/NDF : 942186.8/12

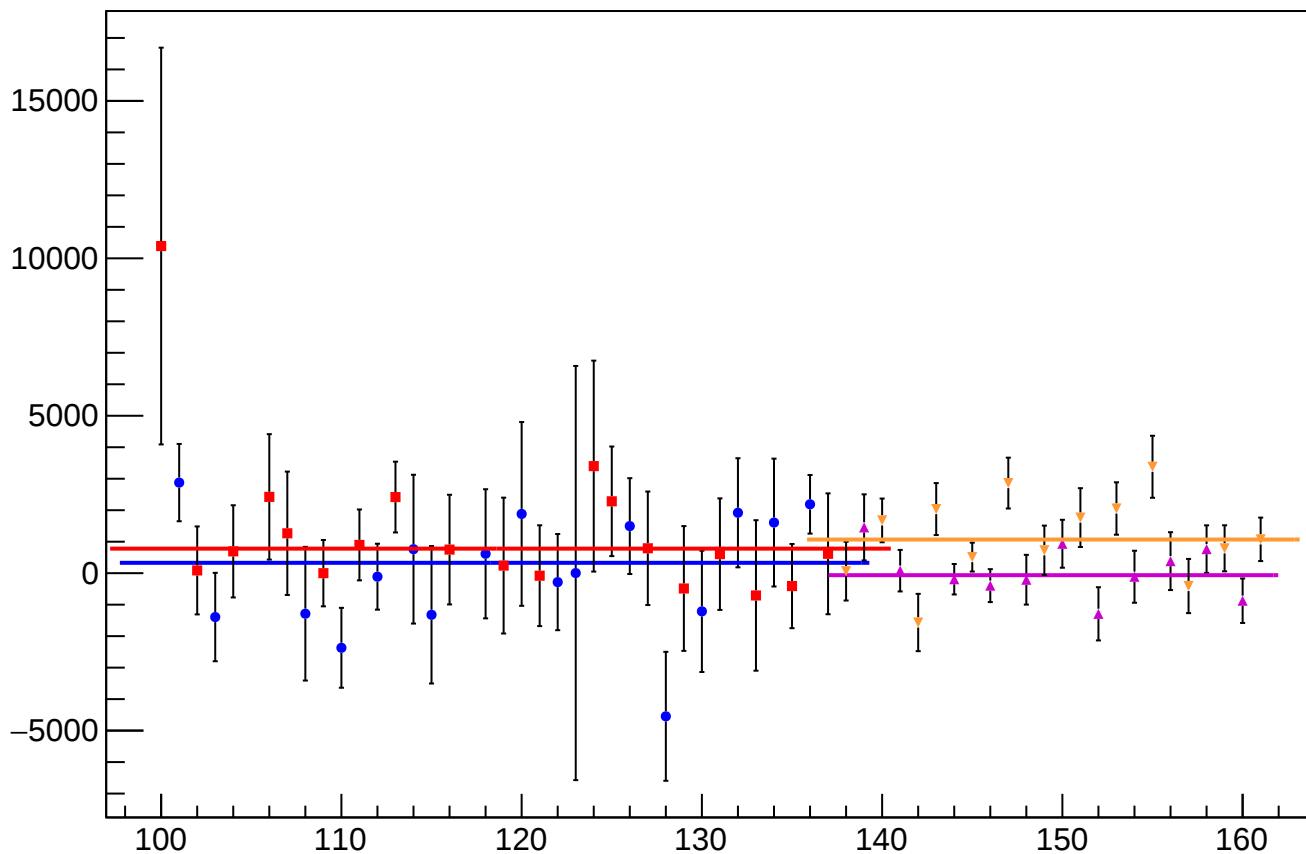
Right Out: 957.849 +/- 0.261 χ^2/NDF : 693081.8/18

Left In: 612.047 +/- 0.149 χ^2/NDF : 879594.3/10

706.254 +/- 0.129 χ^2/NDF : 2692628.1/29

696.632 +/- 0.129 χ^2/NDF : 2893689.7/29

asym_sam_37_avg_mean vs Slug



Right In: 329.164+/-383.728 χ^2/NDF : 24.3/16

Left Out: 1068.534+/-209.672 χ^2/NDF : 28.8/12

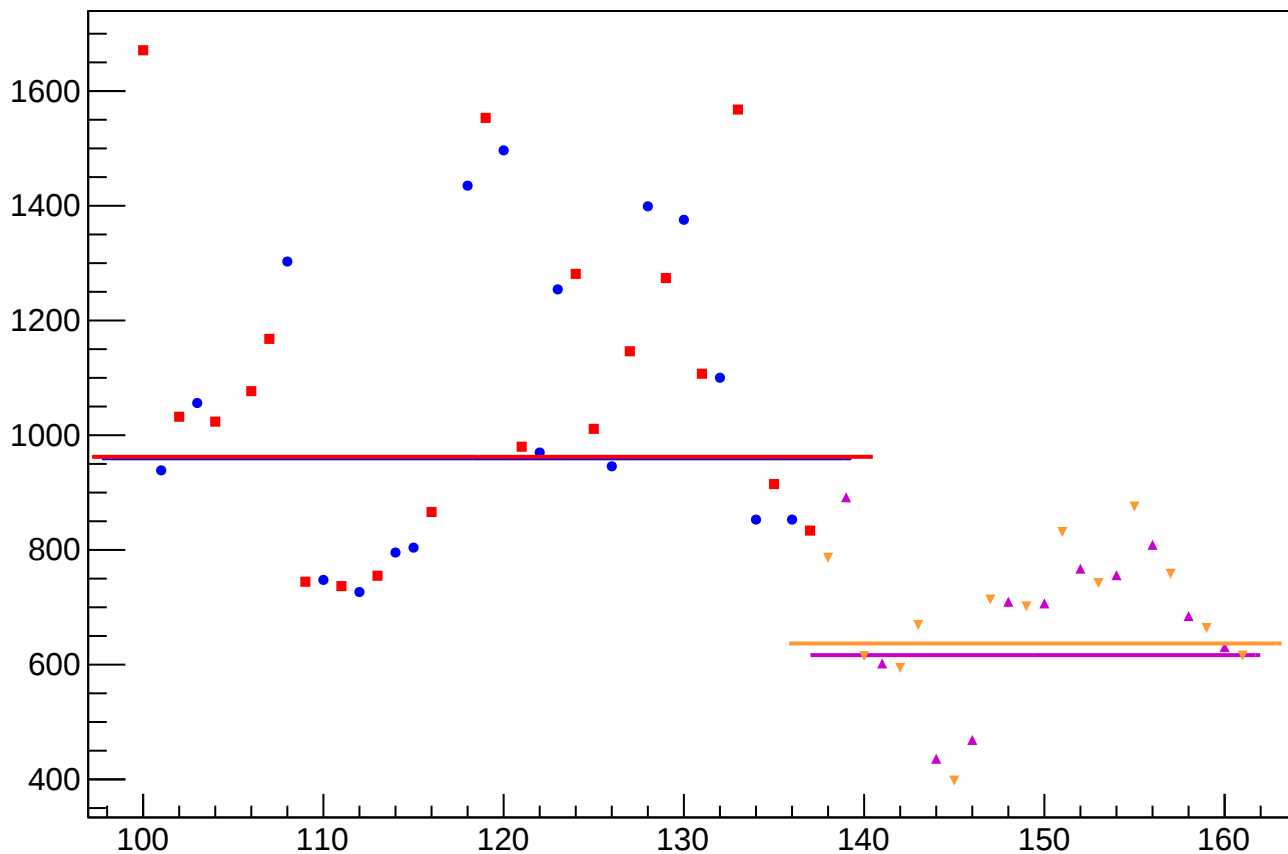
Right Out: 779.623+/-371.673 χ^2/NDF : 9.3/18

Left In: -63.548+/-211.871 χ^2/NDF : 9.2/10

898.539+/-183.997 χ^2/NDF : 56.0/29

143.245+/-184.065 χ^2/NDF : 22.4/29

asym_sam_37_avg_rms vs Slug



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 636.888 $\pm$ 0.148 χ^2 /NDF: 915679.4/12

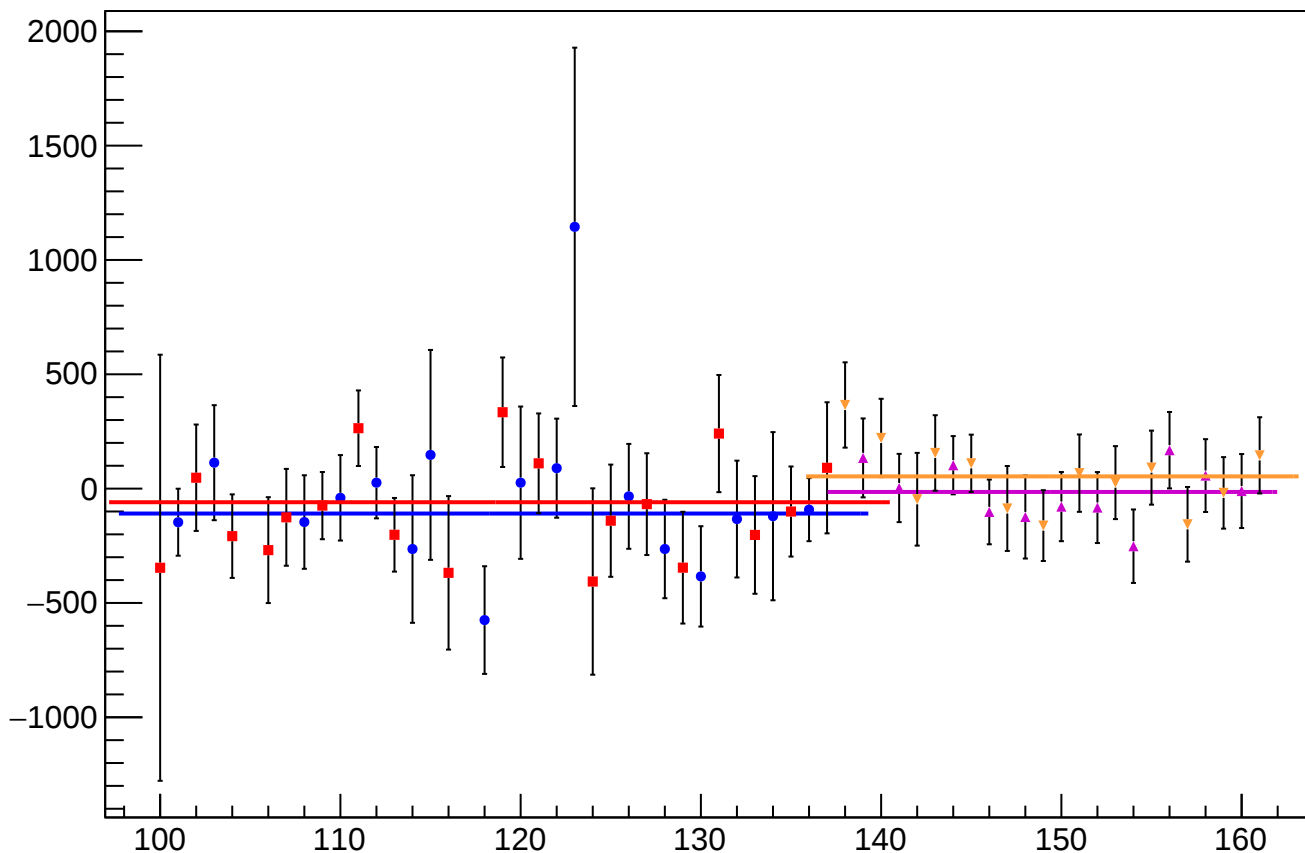
Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

Left In: 616.627 $\pm$ 0.150 χ^2 /NDF: 858667.4/10

711.125 $\pm$ 0.130 χ^2 /NDF: 2652863.0/29

701.409 $\pm$ 0.130 χ^2 /NDF: 2860214.6/29

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 53.520 ± 45.415 χ^2/NDF : 9.4/12

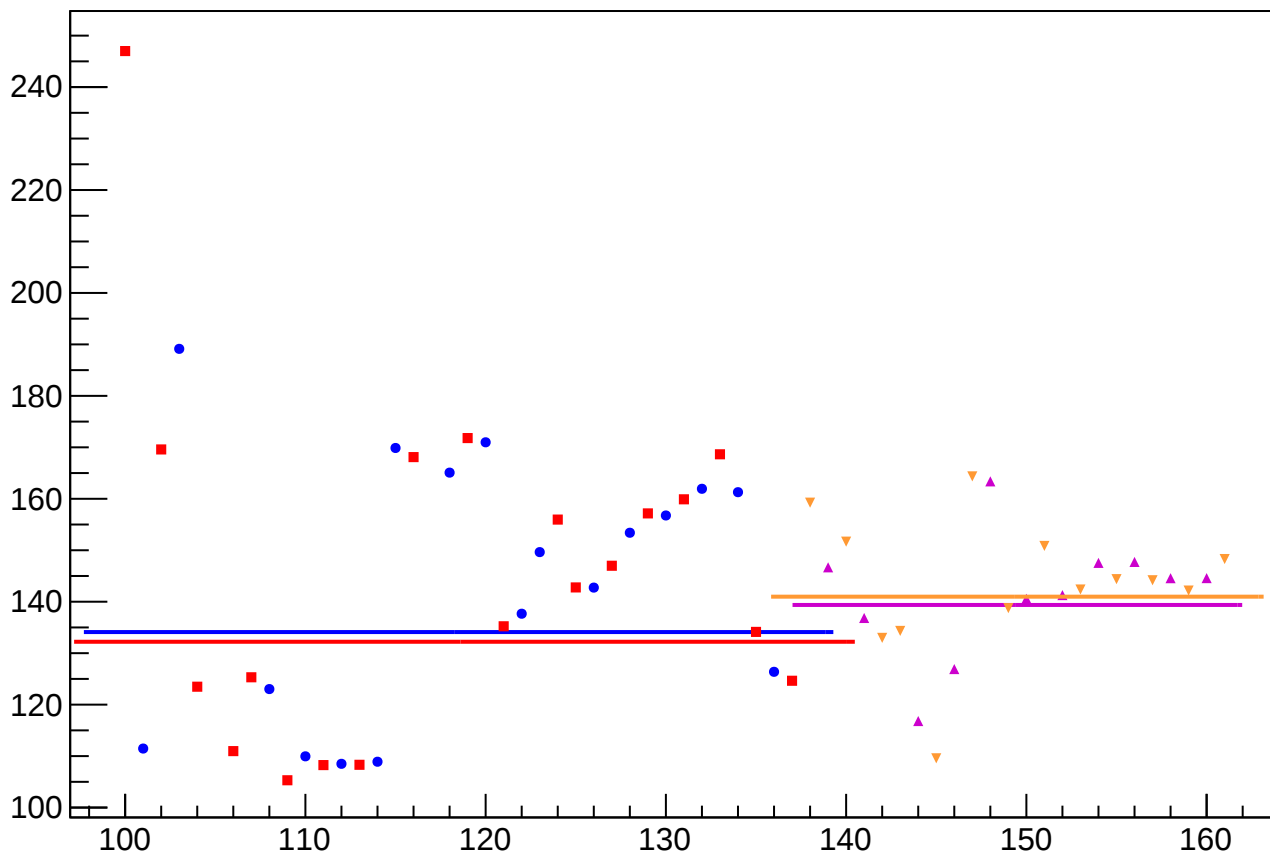
Right Out: -59.475 ± 50.822 χ^2/NDF : 14.9/18

Left In: -14.594 ± 46.741 χ^2/NDF : 6.3/10

-15.395 ± 34.465 χ^2/NDF : 26.8/29

-35.160 ± 34.403 χ^2/NDF : 21.6/29

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 ± 0.037 χ^2/NDF : 402581.2/16

Left Out: 140.981 ± 0.032 χ^2/NDF : 203314.6/12

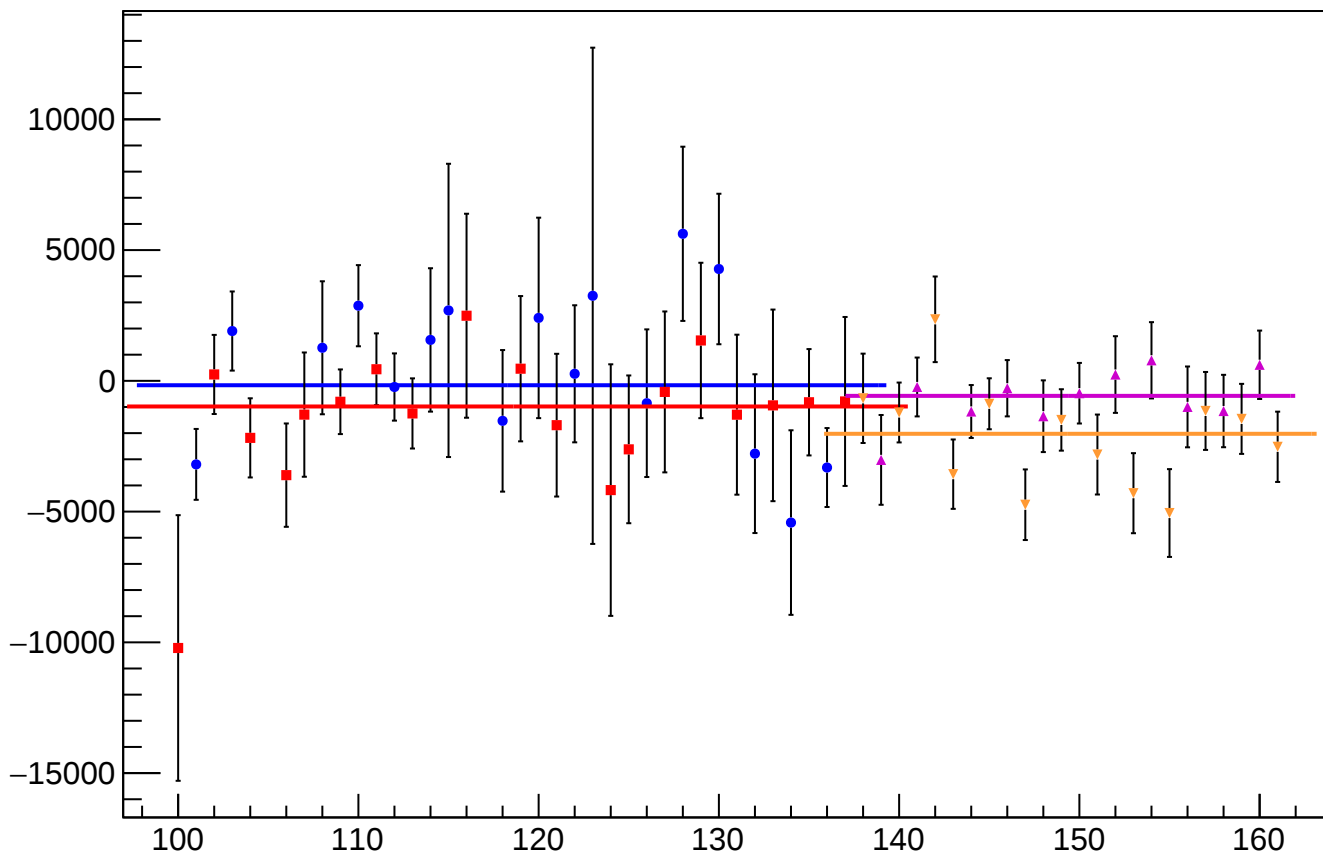
Right Out: 132.219 ± 0.036 χ^2/NDF : 441738.5/18

Left In: 139.370 ± 0.033 χ^2/NDF : 132165.0/10

138.064 ± 0.024 χ^2/NDF : 625348.7/29

136.093 ± 0.024 χ^2/NDF : 595356.8/29

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -2025.192 ± 374.121 χ^2/NDF : 21.7/12

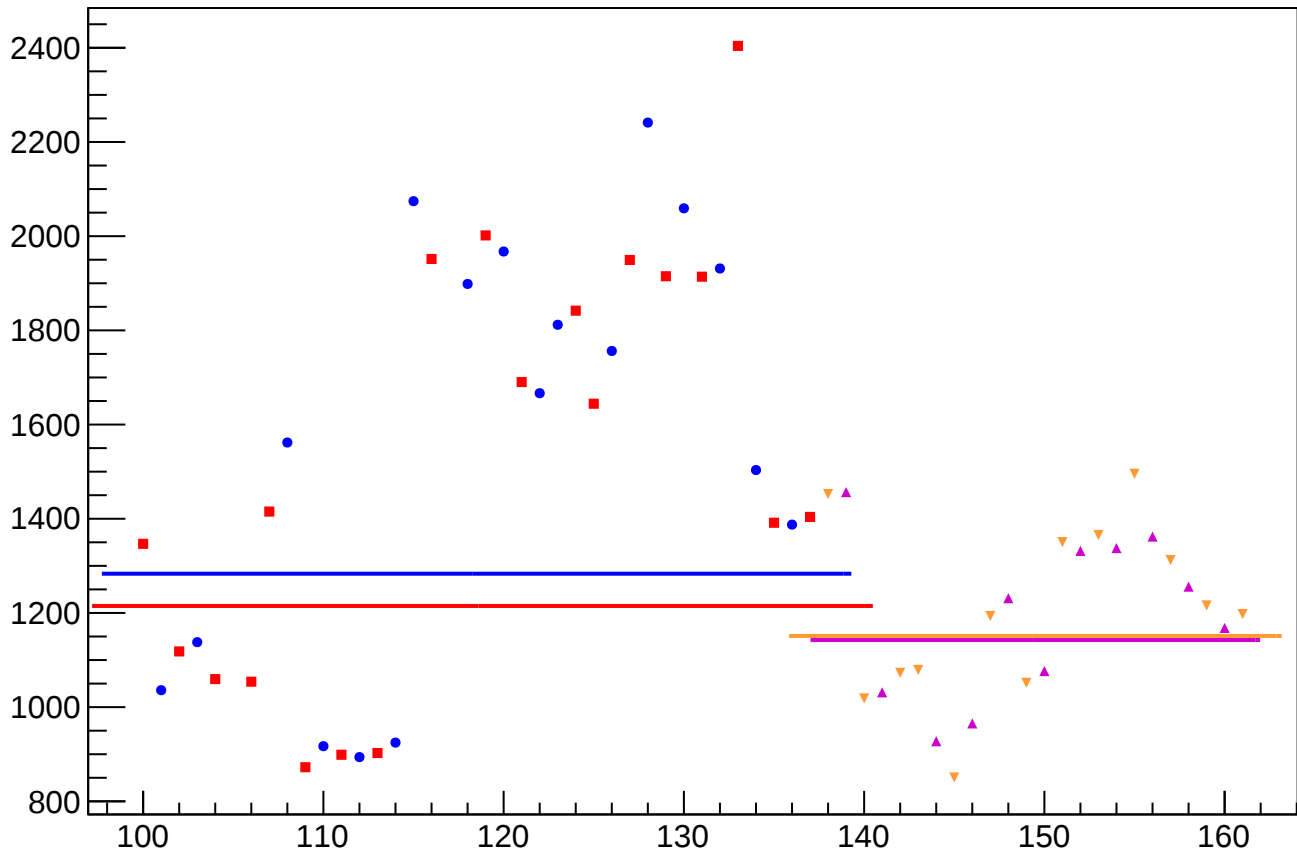
Right Out: -980.517 ± 480.968 χ^2/NDF : 10.2/18

Left In: -574.468 ± 386.164 χ^2/NDF : 5.1/10

-1397.688 ± 304.416 χ^2/NDF : 55.3/29

-733.623 ± 301.119 χ^2/NDF : 15.8/29

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1151.160+/-0.265 χ^2 /NDF: 493898.7/12

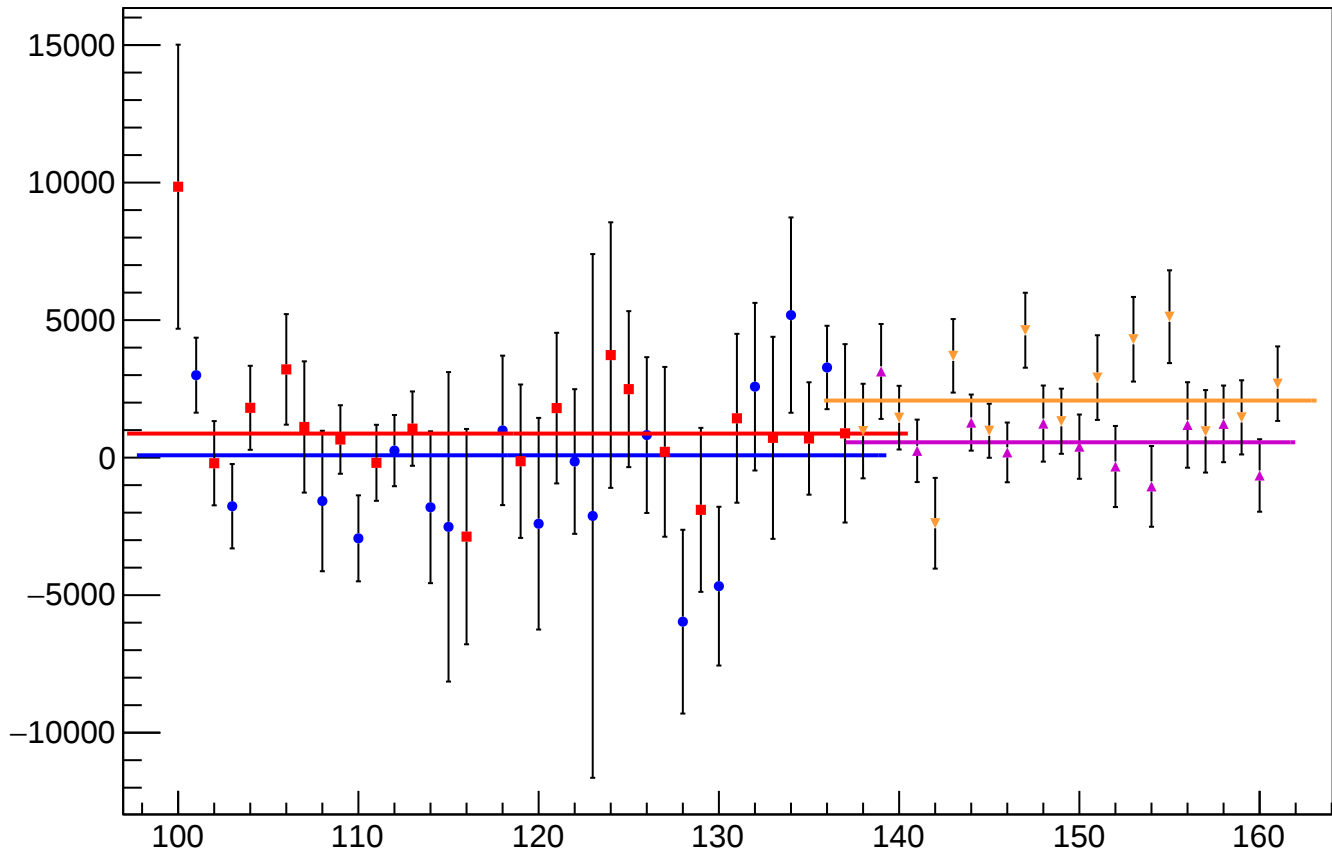
1195.819+/-0.215 χ^2 /NDF: 1747665.1/29

Right Out: 1214.883+/-0.340 χ^2 /NDF: 1360860.3/18

1170.880+/-0.213 χ^2 /NDF: 1757718.4/29

Left In: 1142.515+/-0.273 χ^2 /NDF: 369327.0/10

asym_sam_48_avg_mean vs Slug



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 2075.484 ± 377.068 χ^2/NDF : 21.3/12

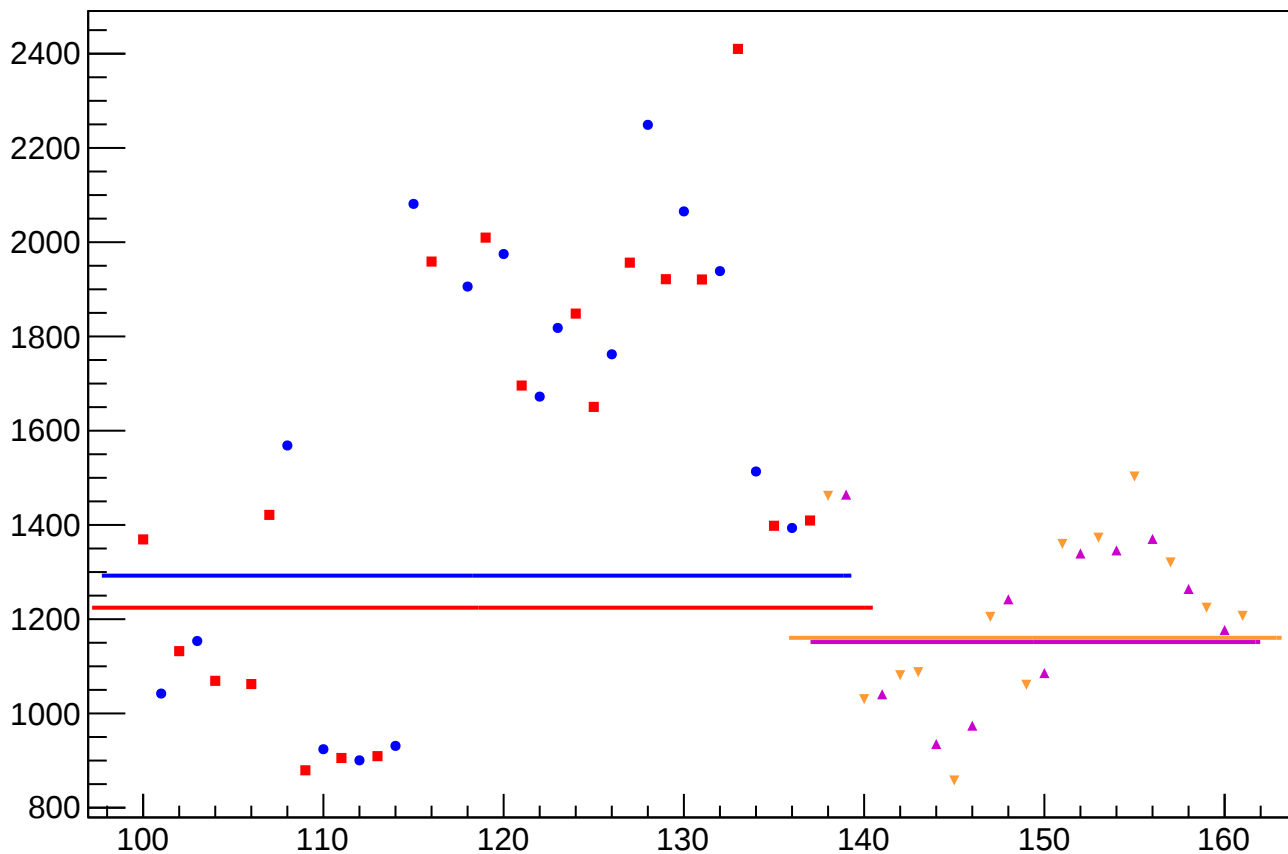
Right Out: 874.592 ± 484.647 χ^2/NDF : 8.7/18

Left In: 557.911 ± 389.124 χ^2/NDF : 6.0/10

1401.678 ± 306.673 χ^2/NDF : 55.4/29

682.040 ± 303.425 χ^2/NDF : 14.9/29

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1160.499+/-0.267 χ^2/NDF : 486960.1/12

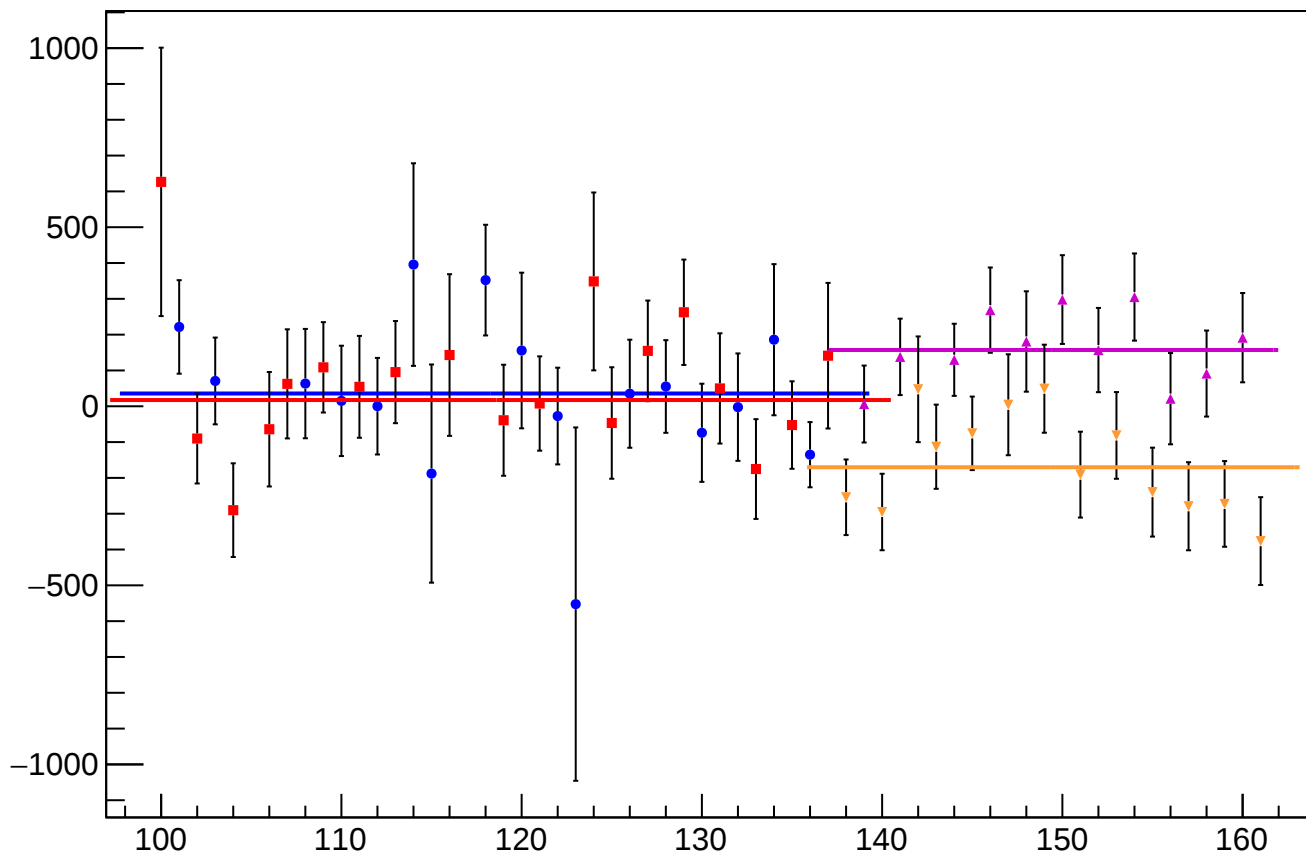
Right Out: 1224.429+/-0.343 χ^2/NDF : 1345748.2/18

Left In: 1151.492+/-0.275 χ^2/NDF : 364236.5/10

1205.160+/-0.217 χ^2/NDF : 1726416.1/29

1180.081+/-0.215 χ^2/NDF : 1737526.9/29

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$

Left Out: -170.268 ± 33.105 $\chi^2/\text{NDF}: 15.2/12$

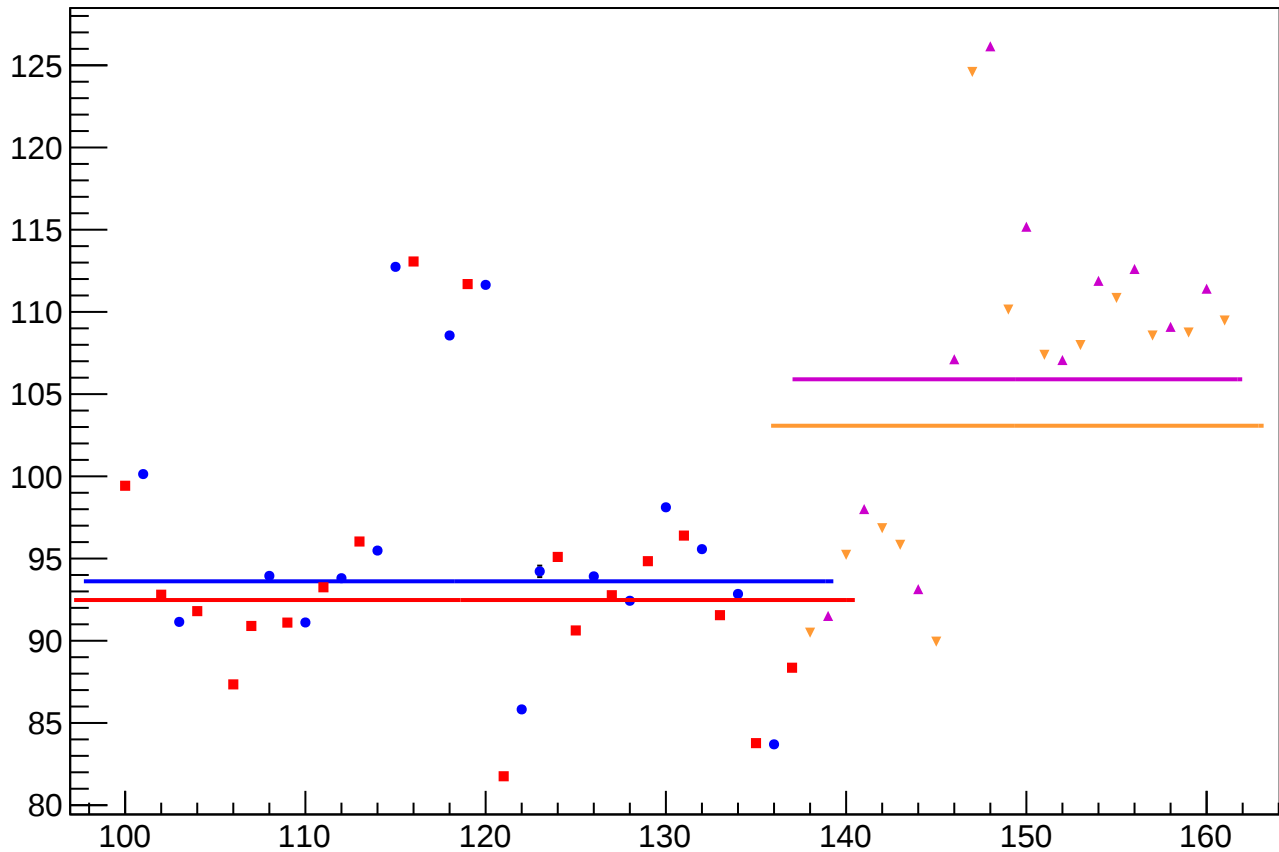
Right Out: 17.418 ± 34.691 $\chi^2/\text{NDF}: 18.9/18$

Left In: 157.168 ± 35.472 $\chi^2/\text{NDF}: 7.3/10$

-76.896 ± 24.476 $\chi^2/\text{NDF}: 48.0/29$

85.738 ± 24.802 $\chi^2/\text{NDF}: 34.1/29$

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 103.077+/-0.023 χ^2/NDF : 164010.1/12

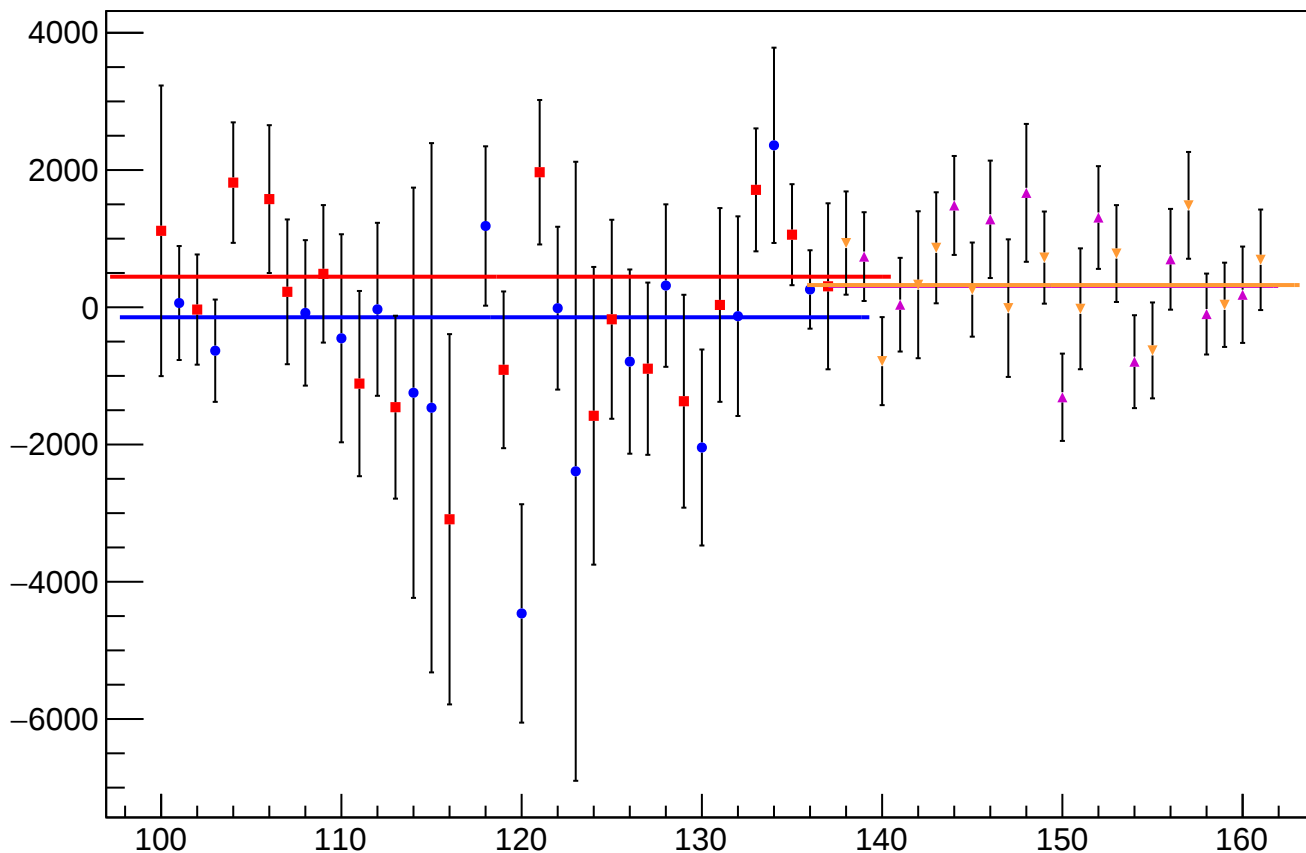
Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

Left In: 105.902+/-0.025 χ^2/NDF : 148064.1/10

98.788+/-0.017 χ^2/NDF : 318003.1/29

99.040+/-0.018 χ^2/NDF : 373071.1/29

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 323.843 ± 206.517 χ^2/NDF : 9.7/12

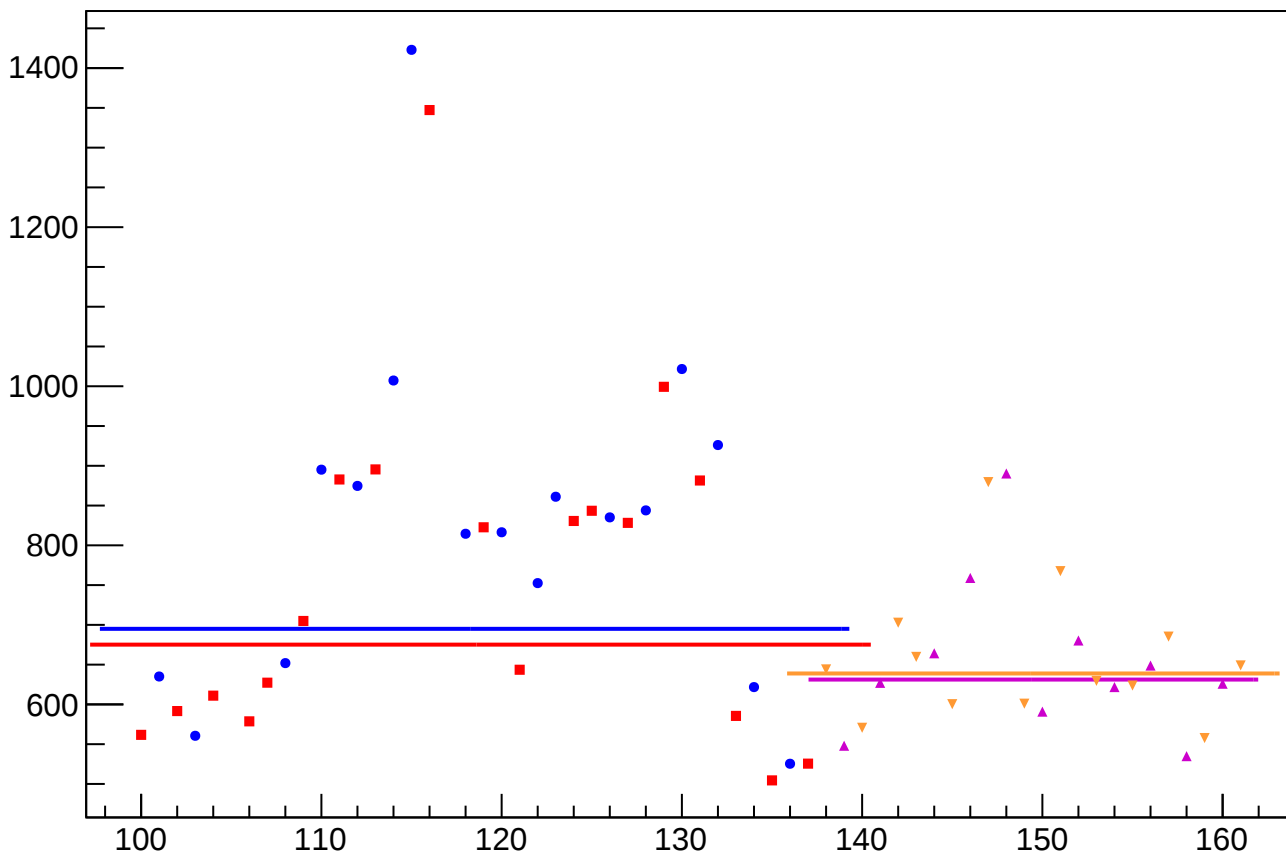
Right Out: 445.575 ± 260.276 χ^2/NDF : 19.0/18

Left In: 311.355 ± 213.139 χ^2/NDF : 18.1/10

155.889 ± 165.487 χ^2/NDF : 27.0/29

365.233 ± 164.902 χ^2/NDF : 37.2/29

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014+/-0.196 χ^2/NDF : 677713.0/16

Left Out: 638.882+/-0.146 χ^2/NDF :245482.0/12

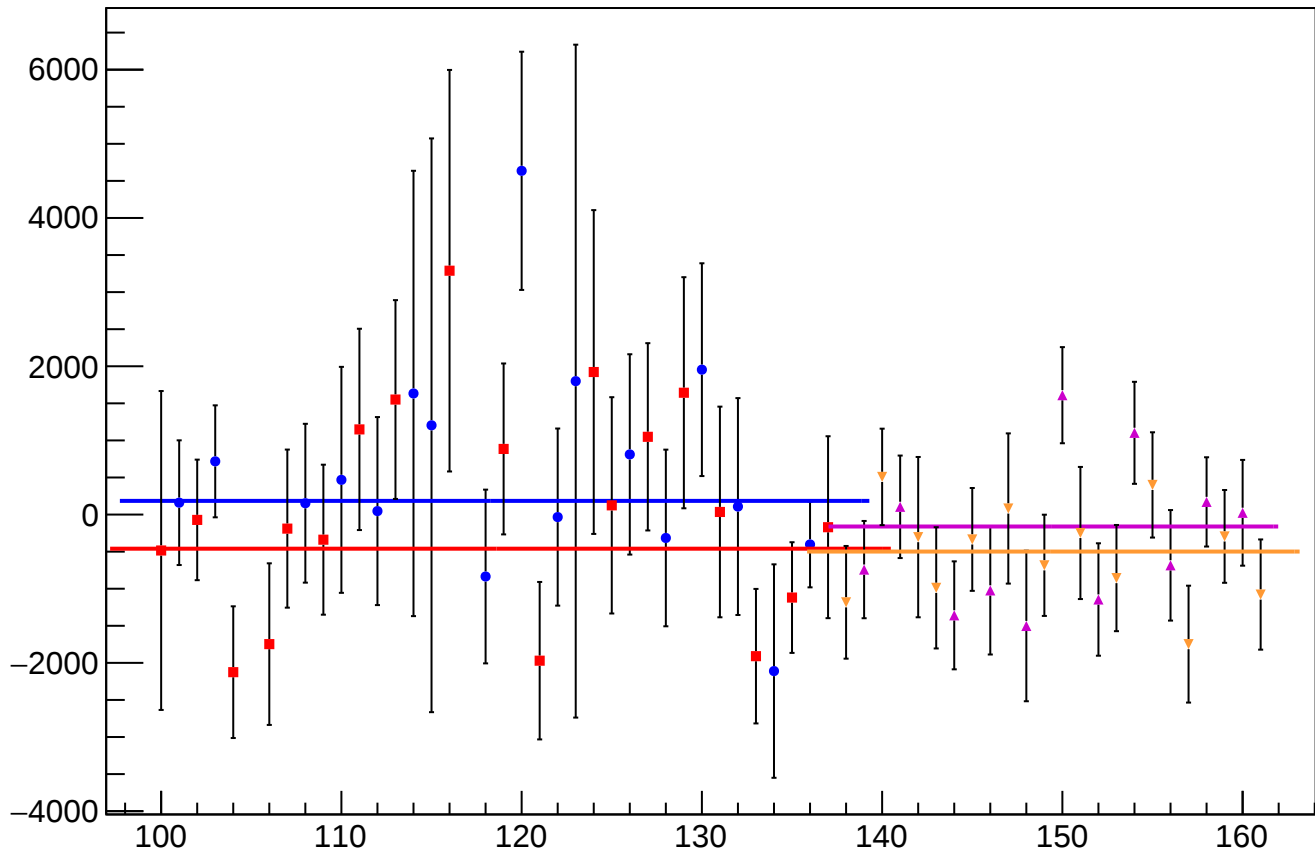
Right Out: 675.151+/-0.184 χ^2/NDF : 676394.1/18

Left In: 631.224+/-0.151 χ^2/NDF :286603.3/10

658.971+/-0.117 χ^2/NDF : 976071.7/29

648.856+/-0.117 χ^2/NDF : 997097.6/29

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -498.784 ± 209.357 χ^2/NDF : 9.2/12

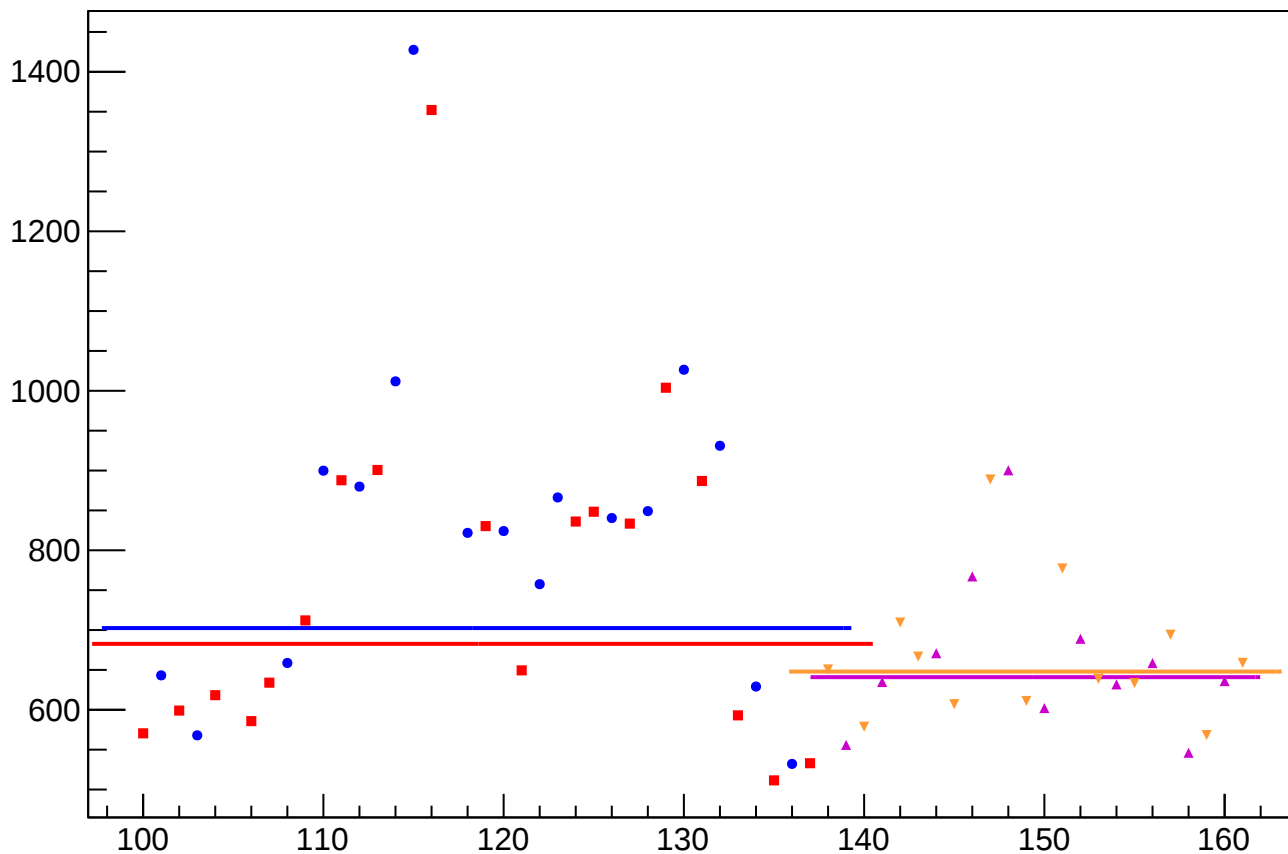
Right Out: -460.174 ± 262.960 χ^2/NDF : 22.3/18

Left In: -161.002 ± 216.313 χ^2/NDF : 19.8/10

-253.074 ± 167.539 χ^2/NDF : 28.0/29

-281.744 ± 167.054 χ^2/NDF : 42.8/29

asym_sam_15_dd_rms vs Slug



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 647.908 $\pm$ 0.148 χ^2 /NDF:239035.6/12

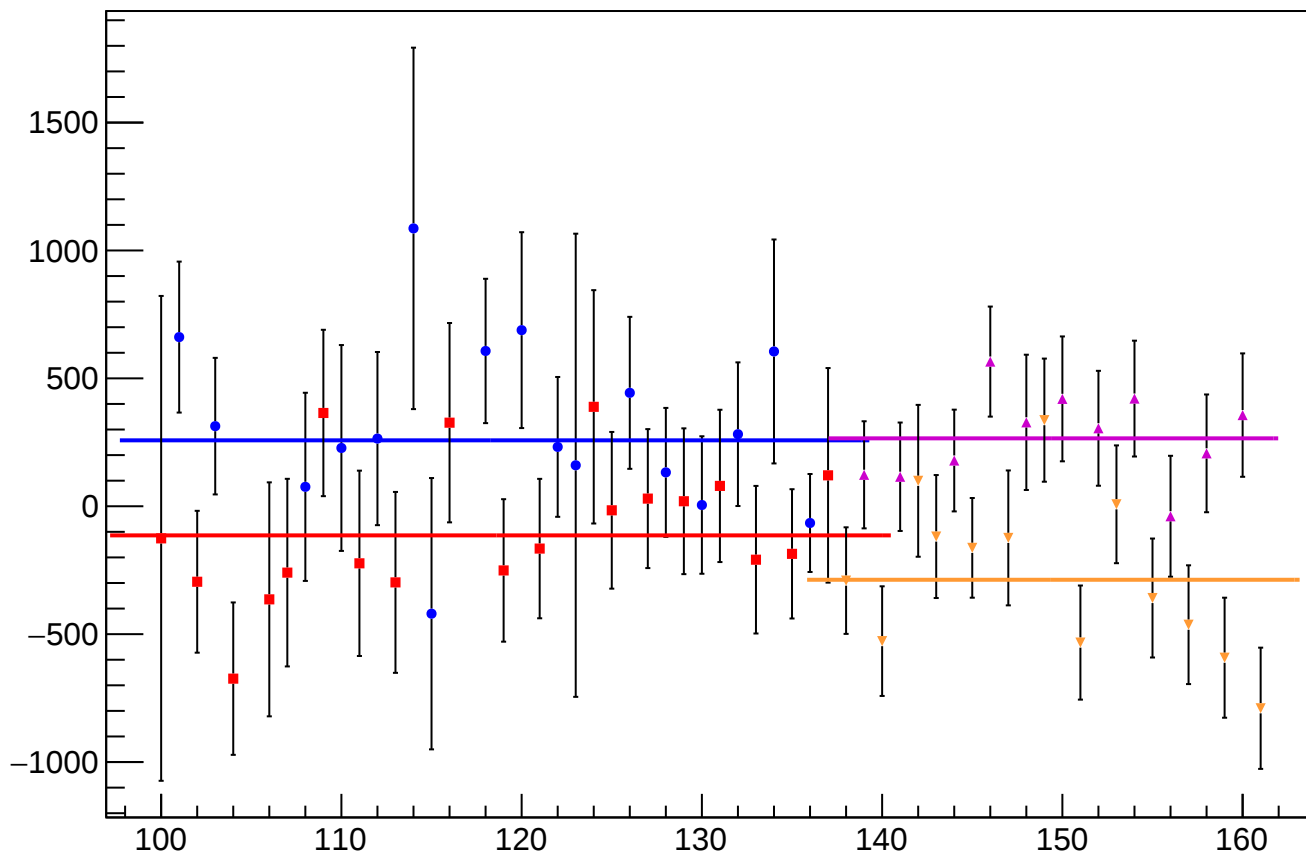
Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

Left In: 640.911 $\pm$ 0.153 χ^2 /NDF:276710.4/10

667.527 $\pm$ 0.118 χ^2 /NDF: 948407.6/29

657.761 $\pm$ 0.118 χ^2 /NDF: 966301.6/29

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -287.380 ± 64.095 $\chi^2/\text{NDF}: 20.7/12$

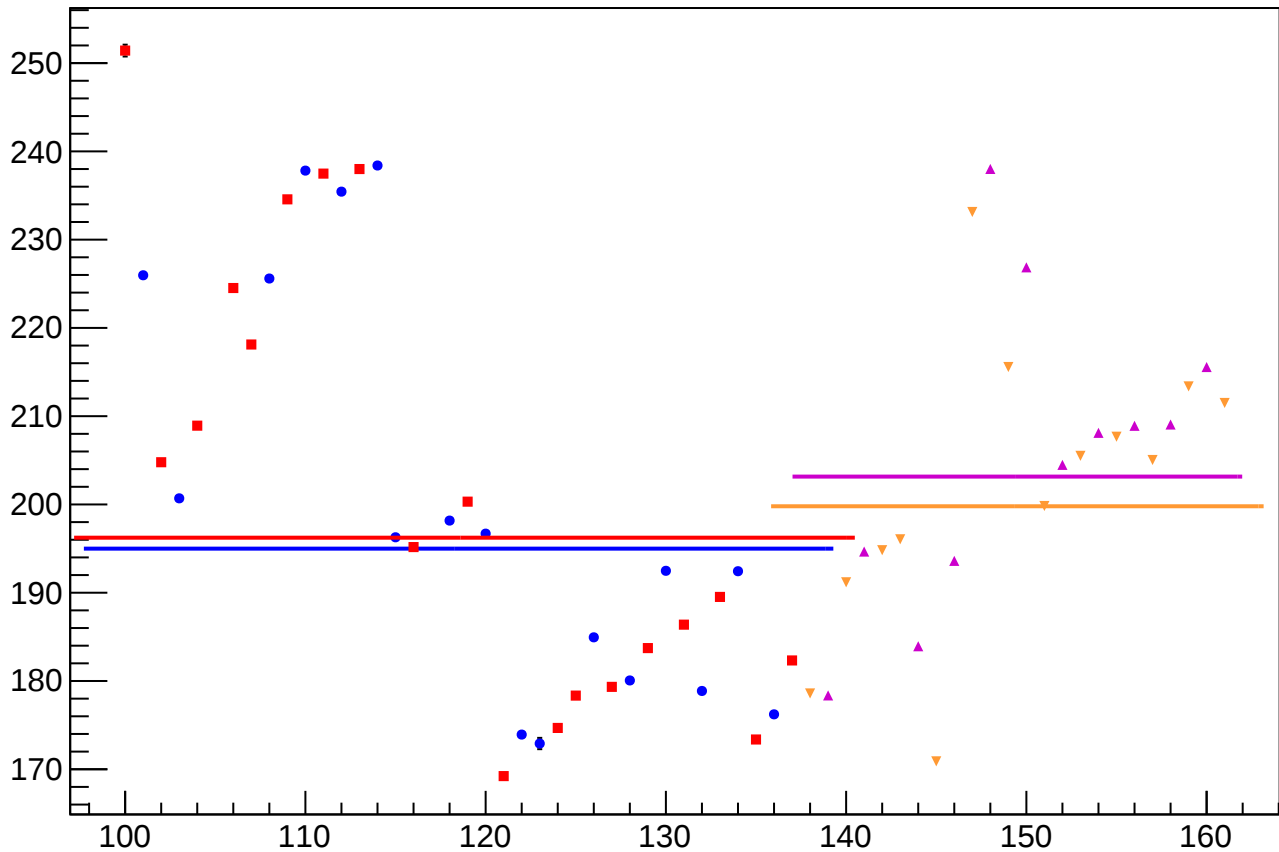
Right Out: -113.851 ± 74.211 $\chi^2/\text{NDF}: 11.2/18$

Left In: 265.477 ± 67.990 $\chi^2/\text{NDF}: 5.9/10$

-60.579 ± 48.978 $\chi^2/\text{NDF}: 63.8/29$

92.377 ± 50.131 $\chi^2/\text{NDF}: 31.4/29$

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 199.794 $\pm$ 0.045 χ^2 /NDF:125674.3/12

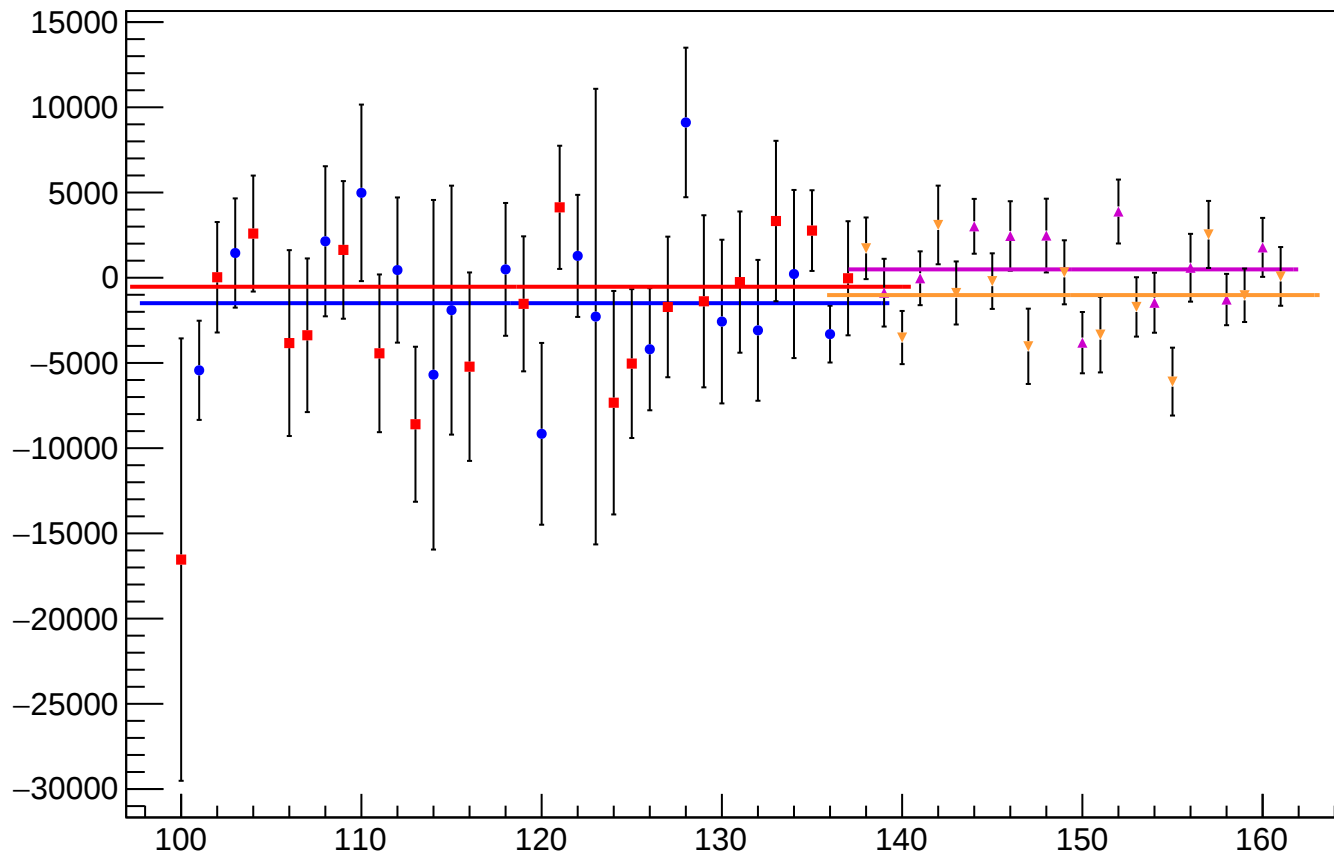
Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

Left In: 203.157 $\pm$ 0.048 χ^2 /NDF:116314.4/10

197.797 $\pm$ 0.035 χ^2 /NDF: 274612.2/29

199.998 $\pm$ 0.035 χ^2 /NDF: 299265.4/29

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -1018.064 ± 509.814 χ^2/NDF : 22.1/12

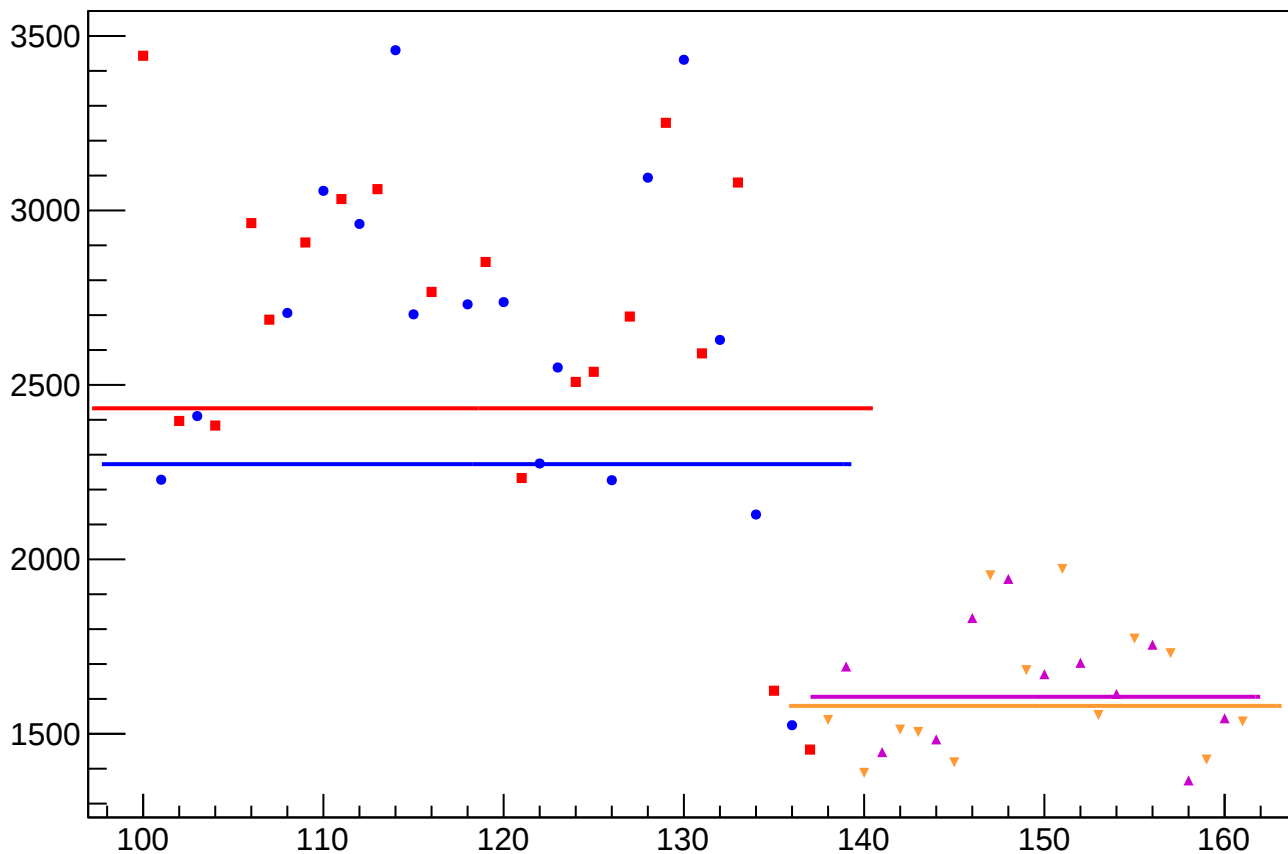
Right Out: -528.758 ± 934.718 χ^2/NDF : 14.6/18

Left In: 489.549 ± 539.219 χ^2/NDF : 17.0/10

-1131.428 ± 444.868 χ^2/NDF : 38.4/29

235.284 ± 467.073 χ^2/NDF : 32.5/29

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1580.035+/-0.360 χ^2/NDF : 233432.8/12

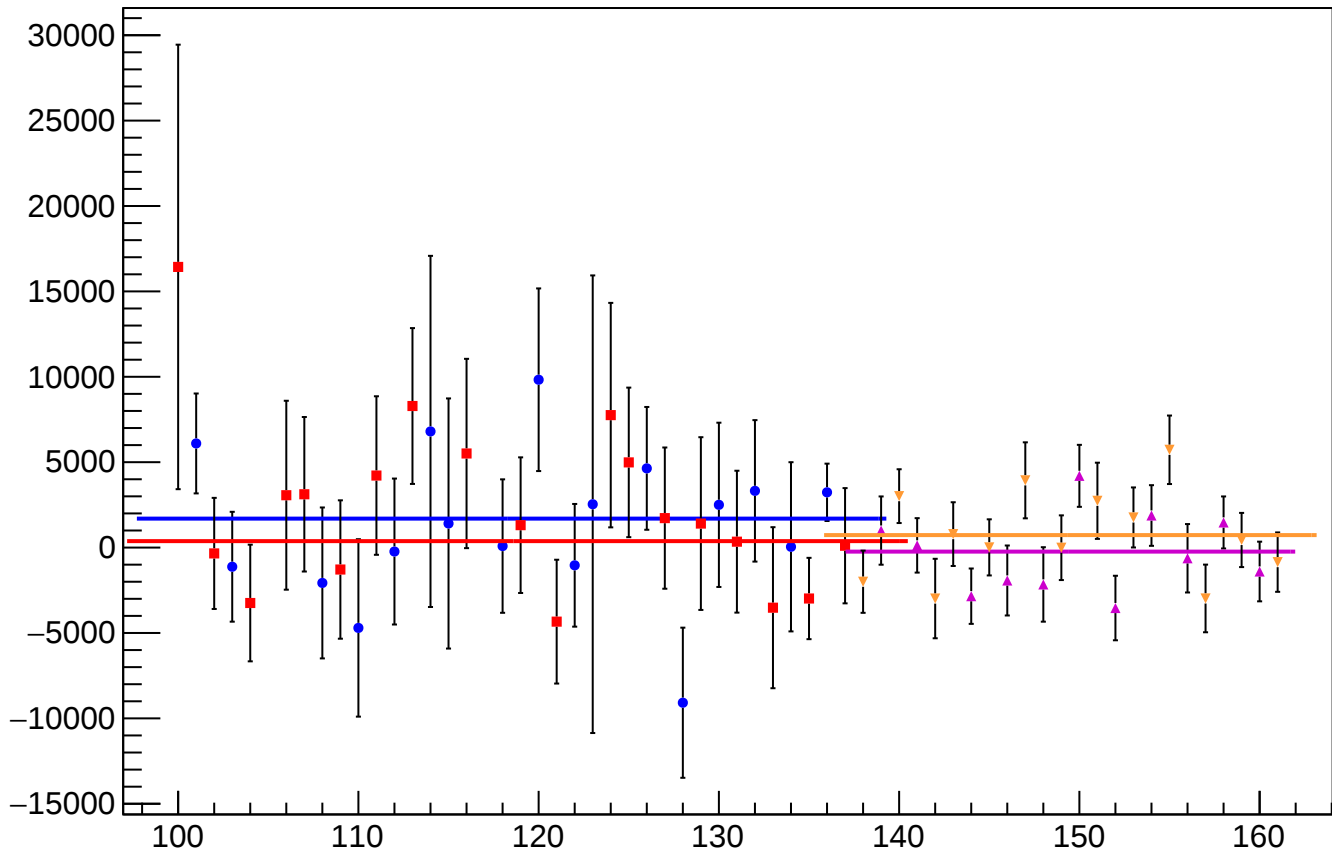
Right Out: 2432.950+/-0.661 χ^2/NDF : 680783.9/18

Left In: 1606.050+/-0.381 χ^2/NDF : 181367.5/10

1745.316+/-0.315 χ^2/NDF : 1920269.3/29

1812.522+/-0.330 χ^2/NDF : 2036544.0/29

asym_sam_26_dd_mean vs Slug



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 730.866+/-514.070 χ^2/NDF : 21.0/12

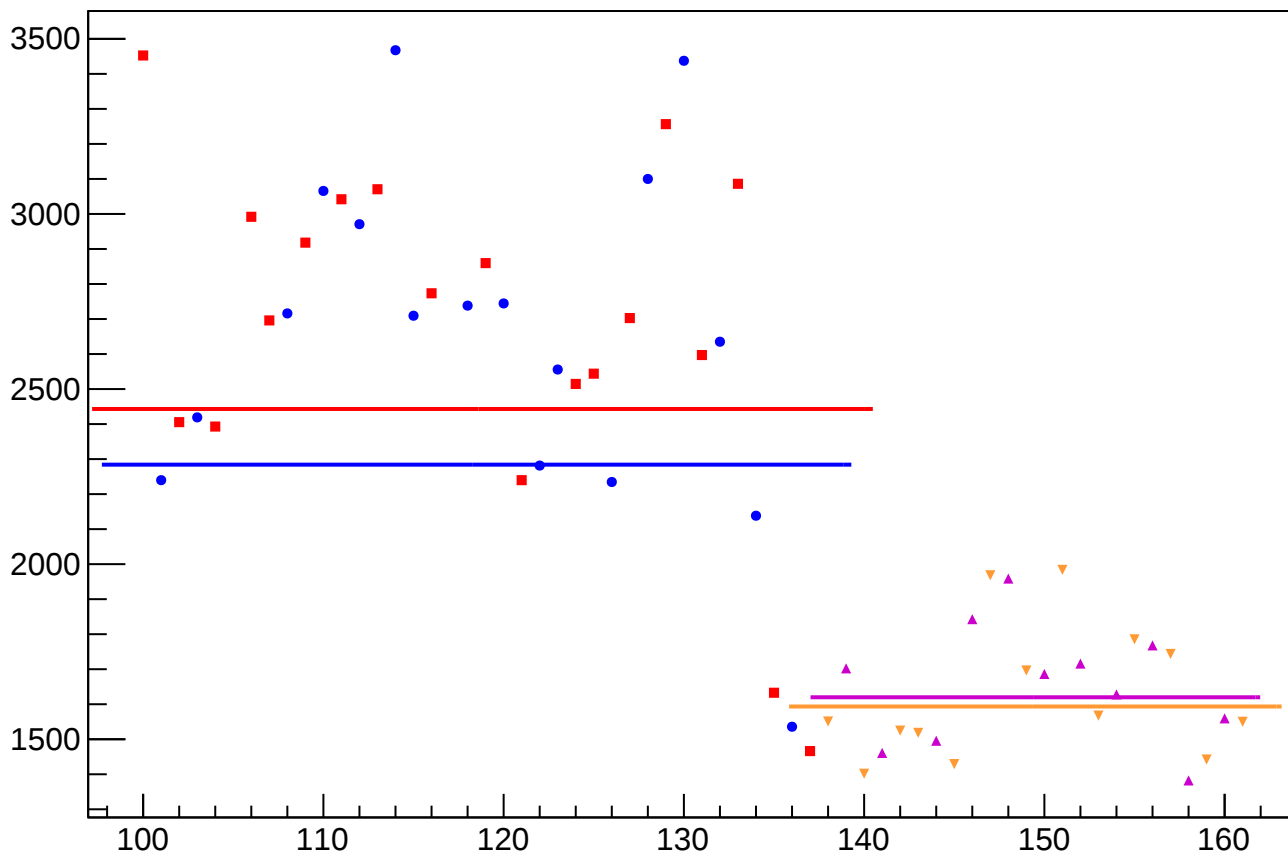
Right Out: 377.629+/-938.528 χ^2/NDF : 15.0/18

Left In: -235.996+/-543.761 χ^2/NDF : 16.7/10

962.464+/-448.163 χ^2/NDF : 38.5/29

-81.782+/-470.498 χ^2/NDF : 32.0/29

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1593.536+/-0.364 χ^2/NDF : 229307.2/12

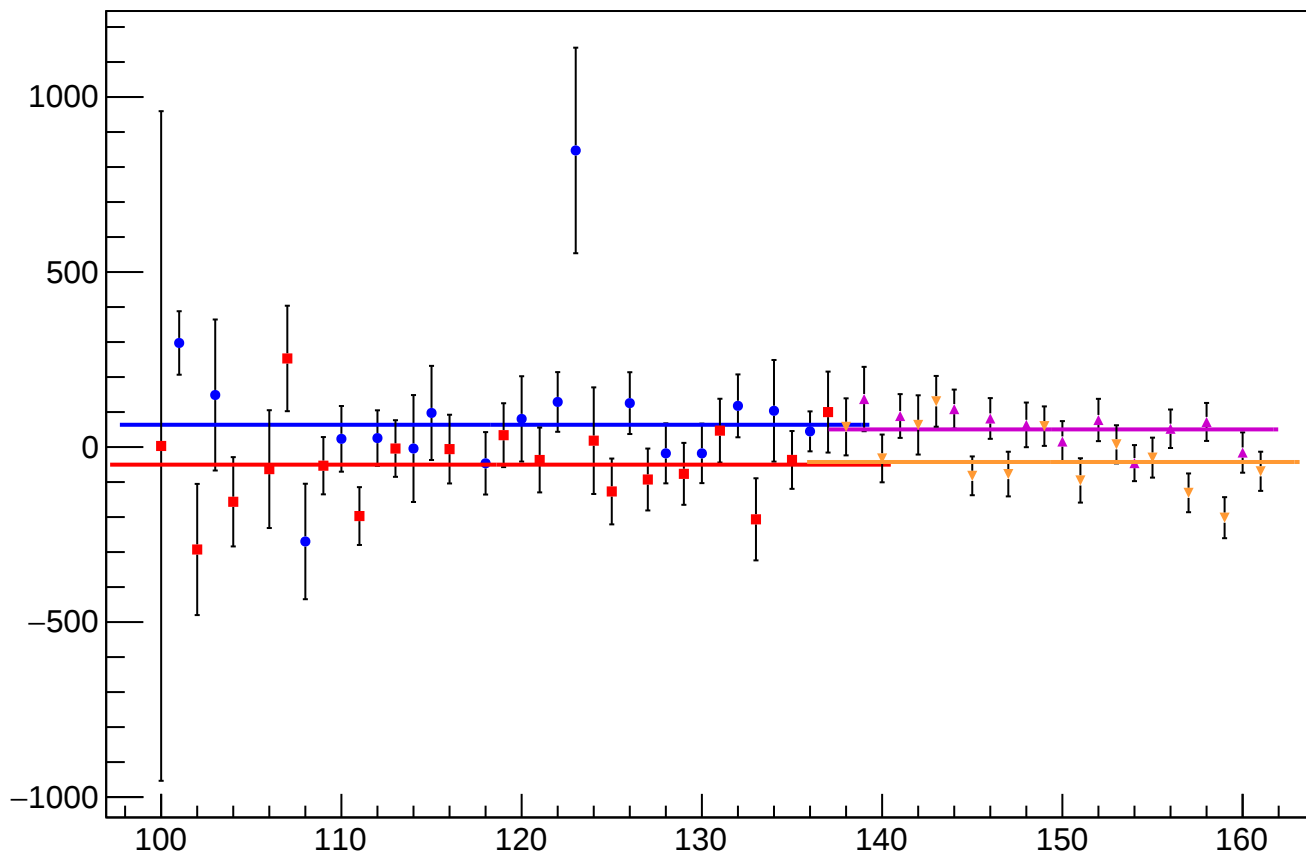
Right Out: 2443.124+/-0.664 χ^2/NDF : 672899.9/18

Left In: 1619.870+/-0.384 χ^2/NDF : 176912.1/10

1759.255+/-0.317 χ^2/NDF : 1889395.4/29

1826.767+/-0.333 χ^2/NDF : 2001941.4/29

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 $\pm$ 23.743 χ^2 /NDF: 23.7/16

Left Out: -42.658 $\pm$ 17.127 χ^2 /NDF: 24.6/12

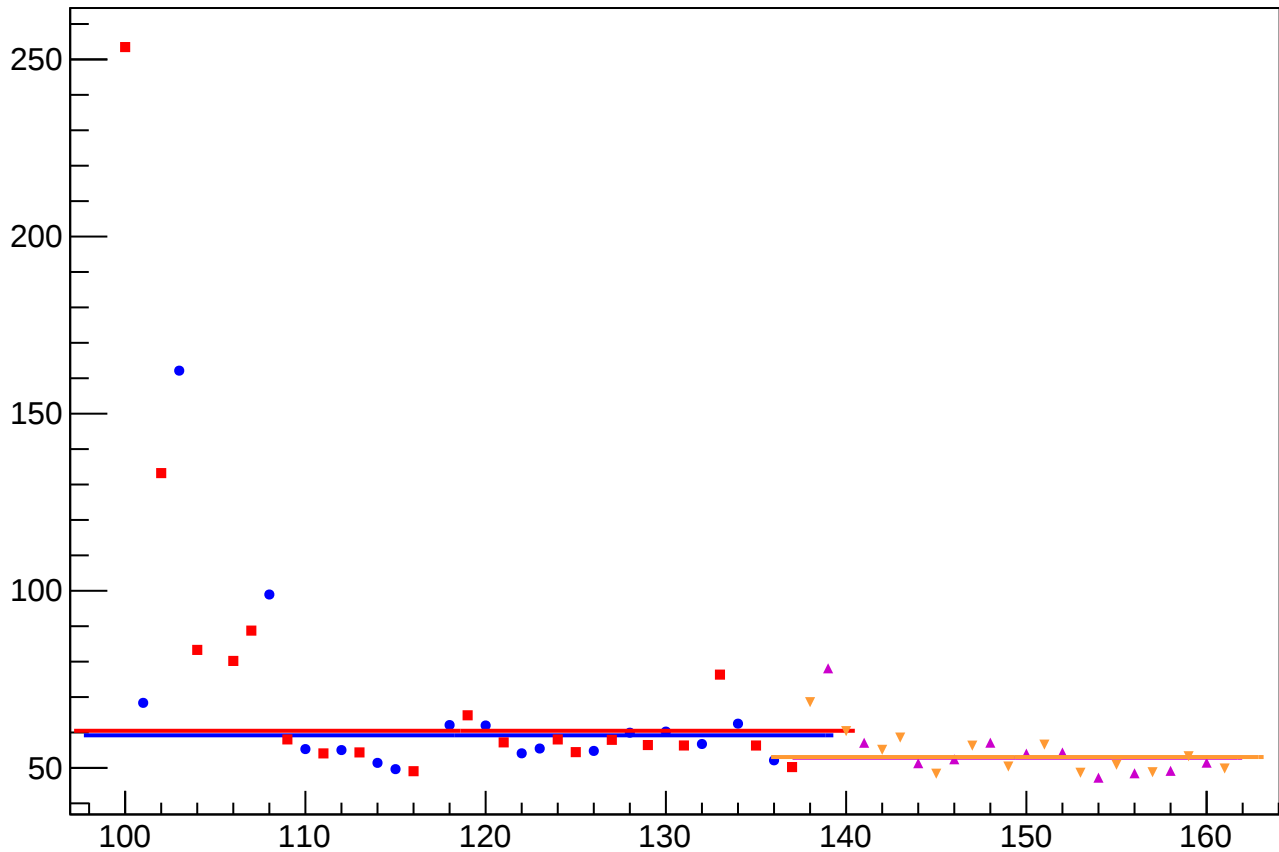
Right Out: -50.278 $\pm$ 23.661 χ^2 /NDF: 16.8/18

Left In: 50.418 $\pm$ 17.807 χ^2 /NDF: 8.2/10

-6.267 $\pm$ 13.890 χ^2 /NDF: 61.5/29

14.007 $\pm$ 14.228 χ^2 /NDF: 36.6/29

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 53.069 $\pm$ 0.012 χ^2 /NDF: 172864.2/12

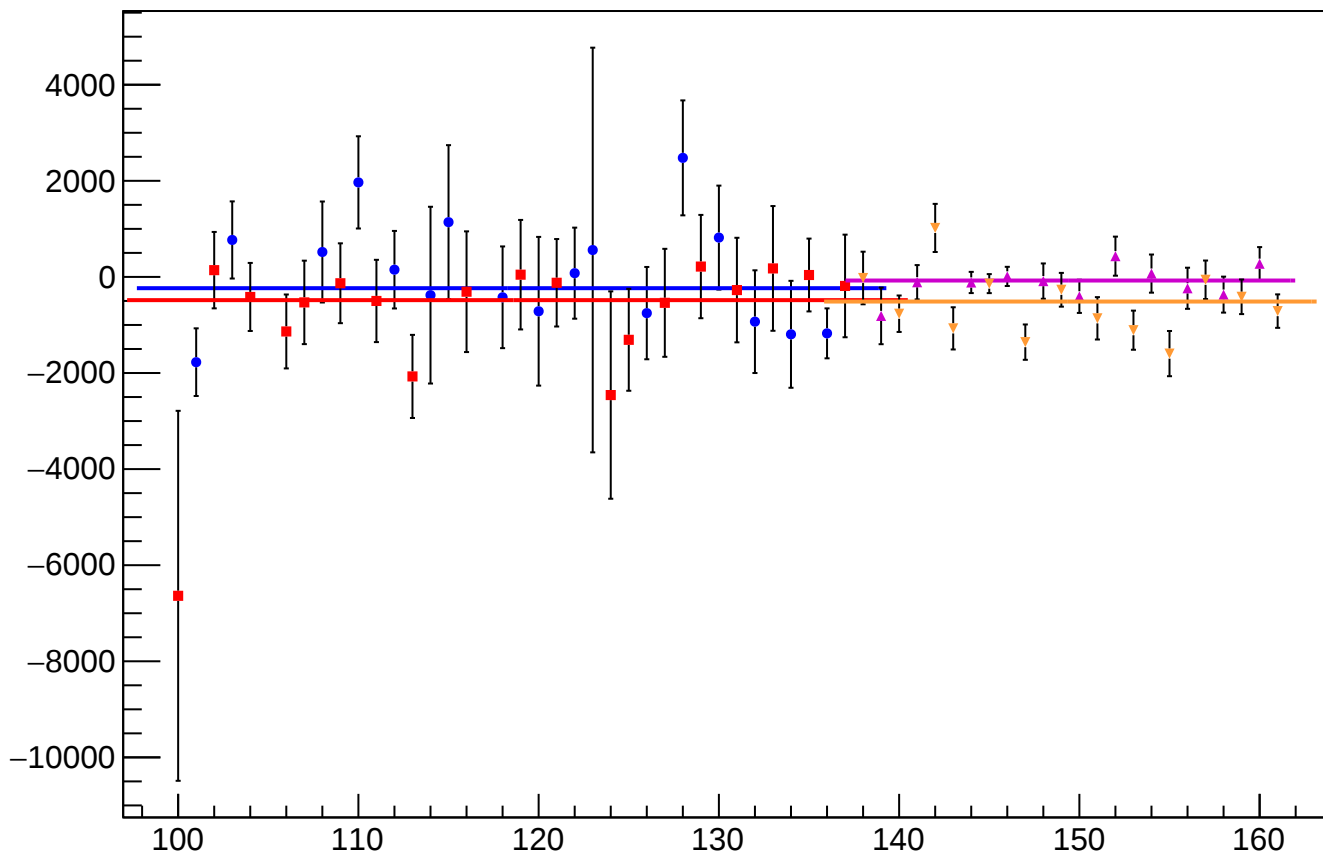
Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

Left In: 52.875 $\pm$ 0.013 χ^2 /NDF: 219567.9/10

55.167 $\pm$ 0.010 χ^2 /NDF: 926071.4/29

55.626 $\pm$ 0.010 χ^2 /NDF: 1031659.5/29

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 $\pm$ 233.880 χ^2 /NDF: 24.2/16

Left Out: -512.456 $\pm$ 100.844 χ^2 /NDF:31.3/12

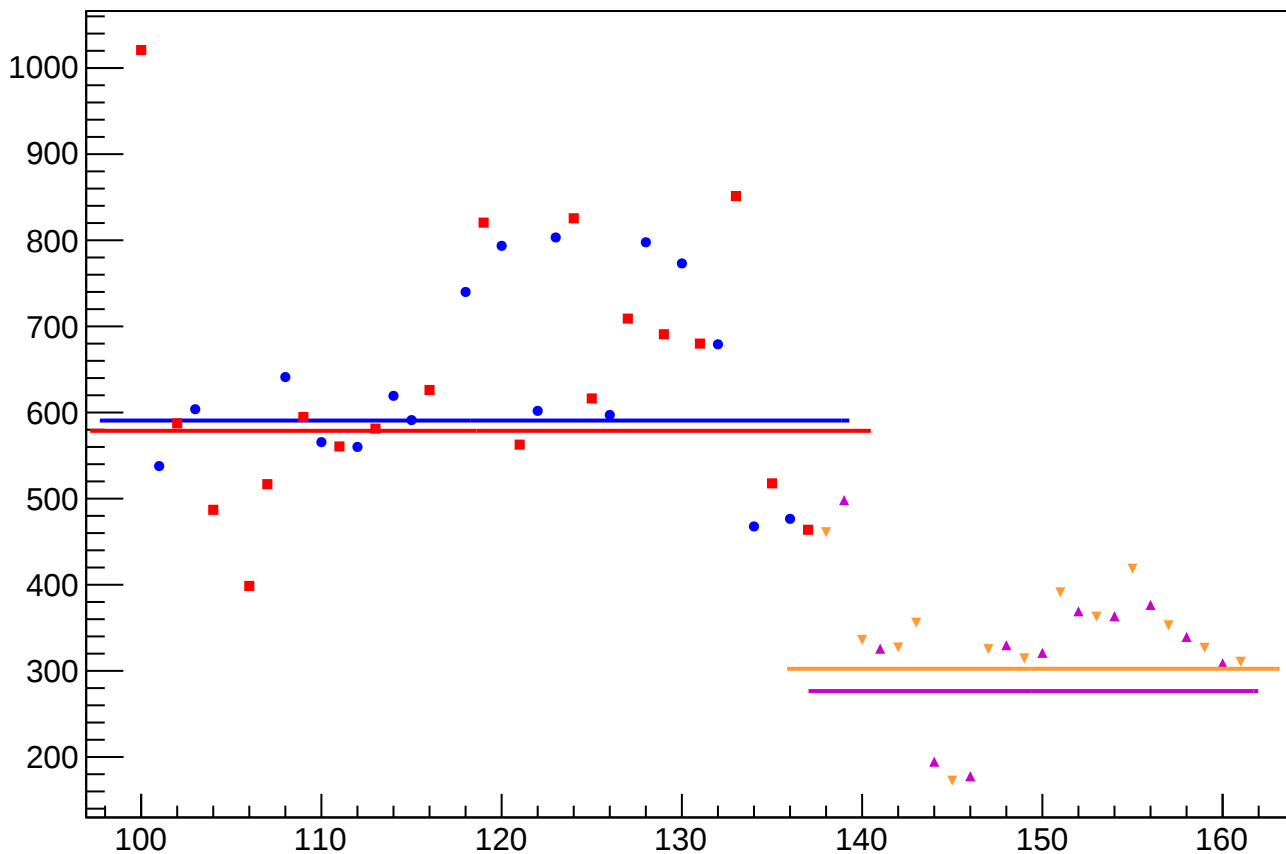
Right Out: -483.305 $\pm$ 222.314 χ^2 /NDF: 10.6/18

Left In: -74.984 $\pm$ 97.355 χ^2 /NDF:6.2/10

-468.880 $\pm$ 92.603 χ^2 /NDF: 56.7/29

-140.688 $\pm$ 89.179 χ^2 /NDF: 19.6/29

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 302.448 $\pm$ 0.071 χ^2 /NDF:1378983.8/12

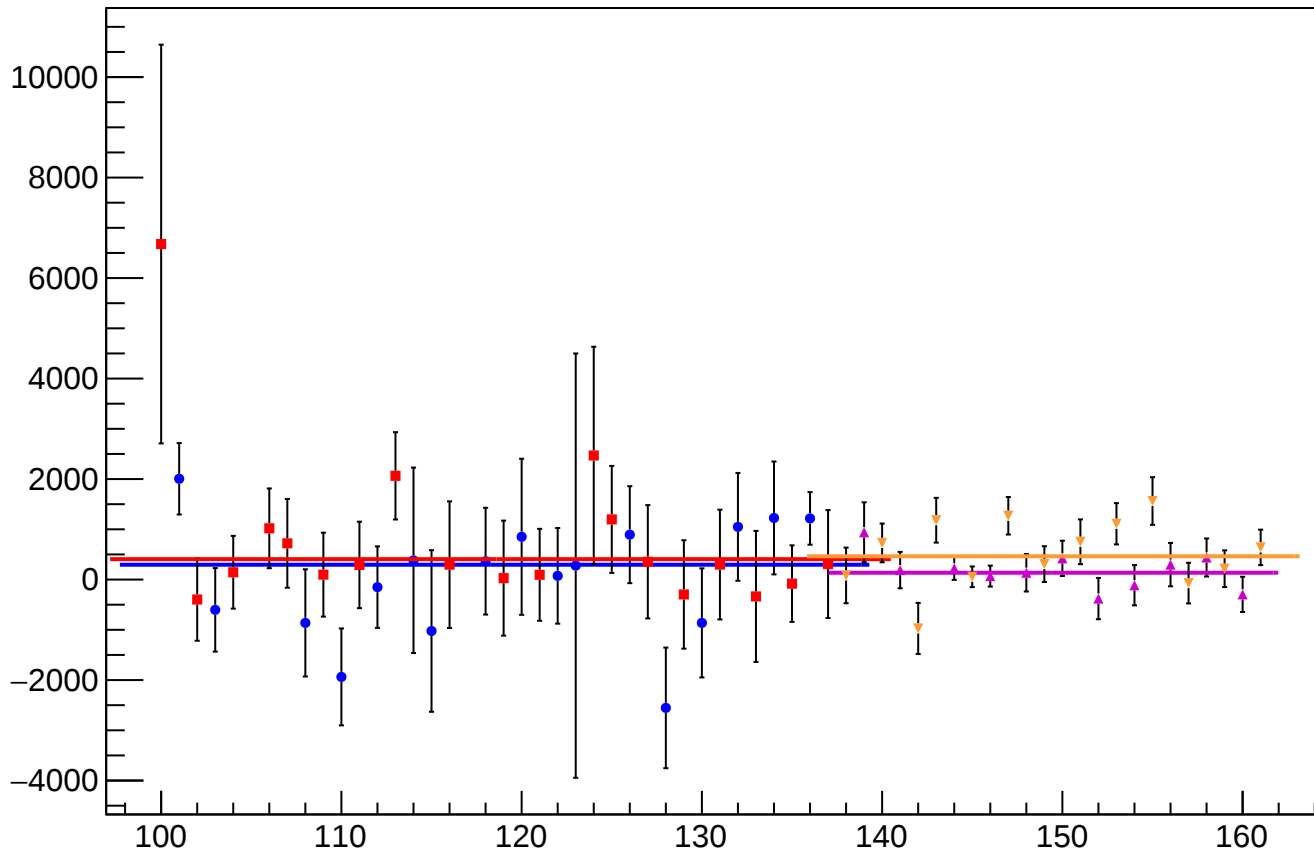
Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

Left In: 276.575 $\pm$ 0.069 χ^2 /NDF:1546083.0/10

347.631 $\pm$ 0.065 χ^2 /NDF: 4292079.8/29

325.199 $\pm$ 0.063 χ^2 /NDF: 5140528.3/29

asym_sam_37_dd_mean vs Slug



Right In: 295.401+/-235.860 χ^2/NDF : 26.1/16

Left Out: 463.247+/-102.785 χ^2/NDF : 31.1/12

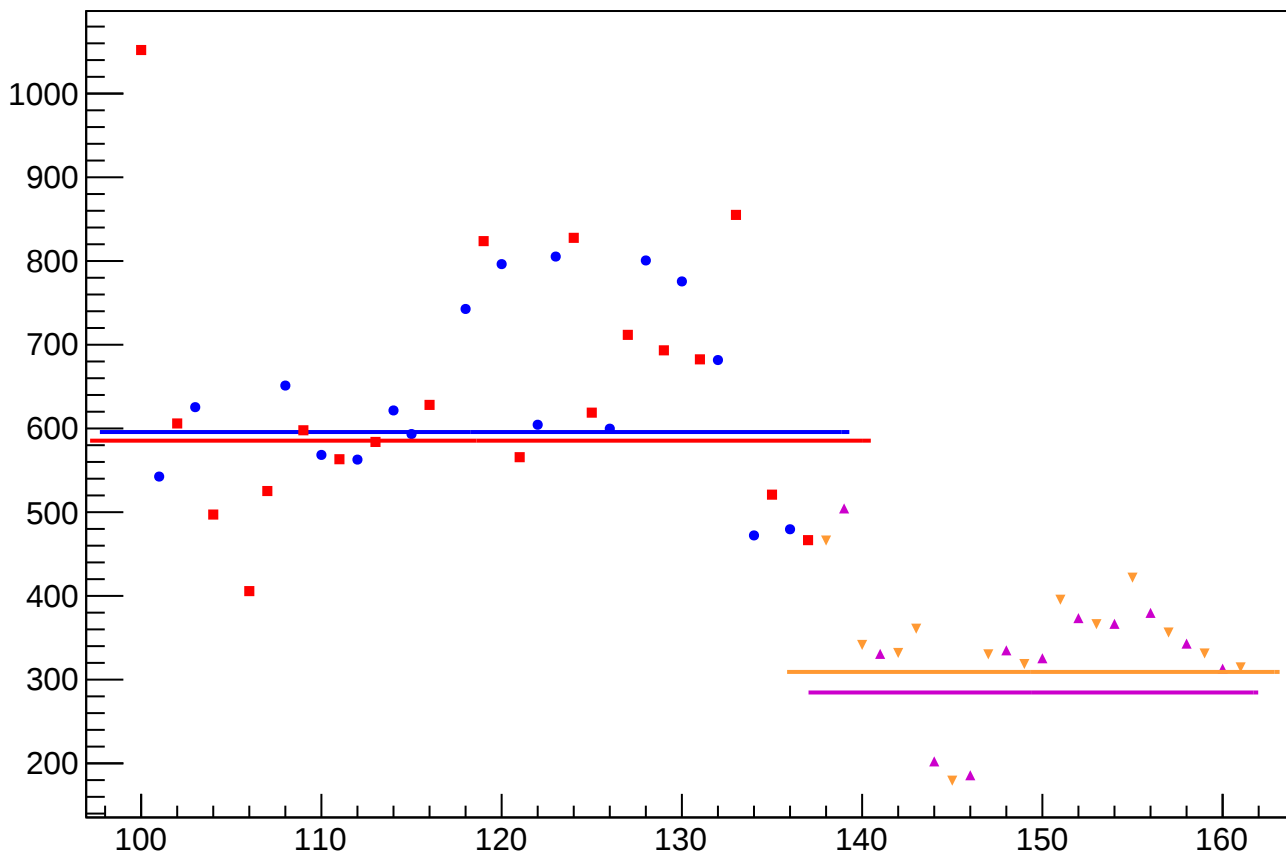
Right Out: 406.158+/-224.855 χ^2/NDF : 11.0/18

Left In: 136.059+/-99.738 χ^2/NDF : 7.0/10

436.459+/-94.227 χ^2/NDF : 57.6/29

180.464+/-91.171 χ^2/NDF : 19.2/29

asym_sam_37_dd_rms vs Slug



Right In: 595.734+/-0.167 χ^2/NDF : 350058.2/16

Left Out: 309.205+/-0.073 χ^2/NDF : 1271964.8/12

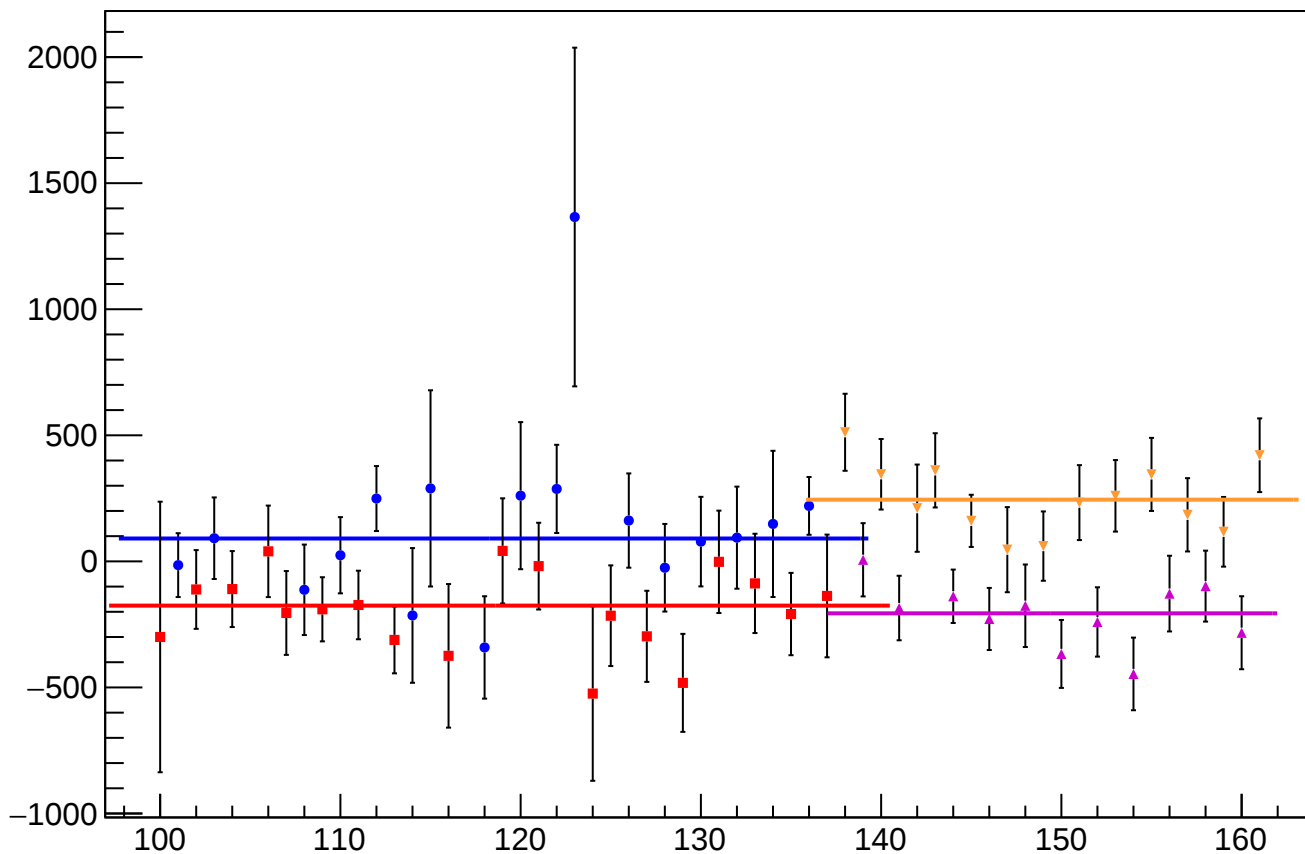
Right Out: 585.421+/-0.159 χ^2/NDF : 474472.3/18

Left In: 284.637+/-0.071 χ^2/NDF : 1412791.1/10

354.935+/-0.067 χ^2/NDF : 4102538.3/29

334.087+/-0.064 χ^2/NDF : 4877693.8/29

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 244.743+/-39.405 χ^2/NDF : 11.0/12

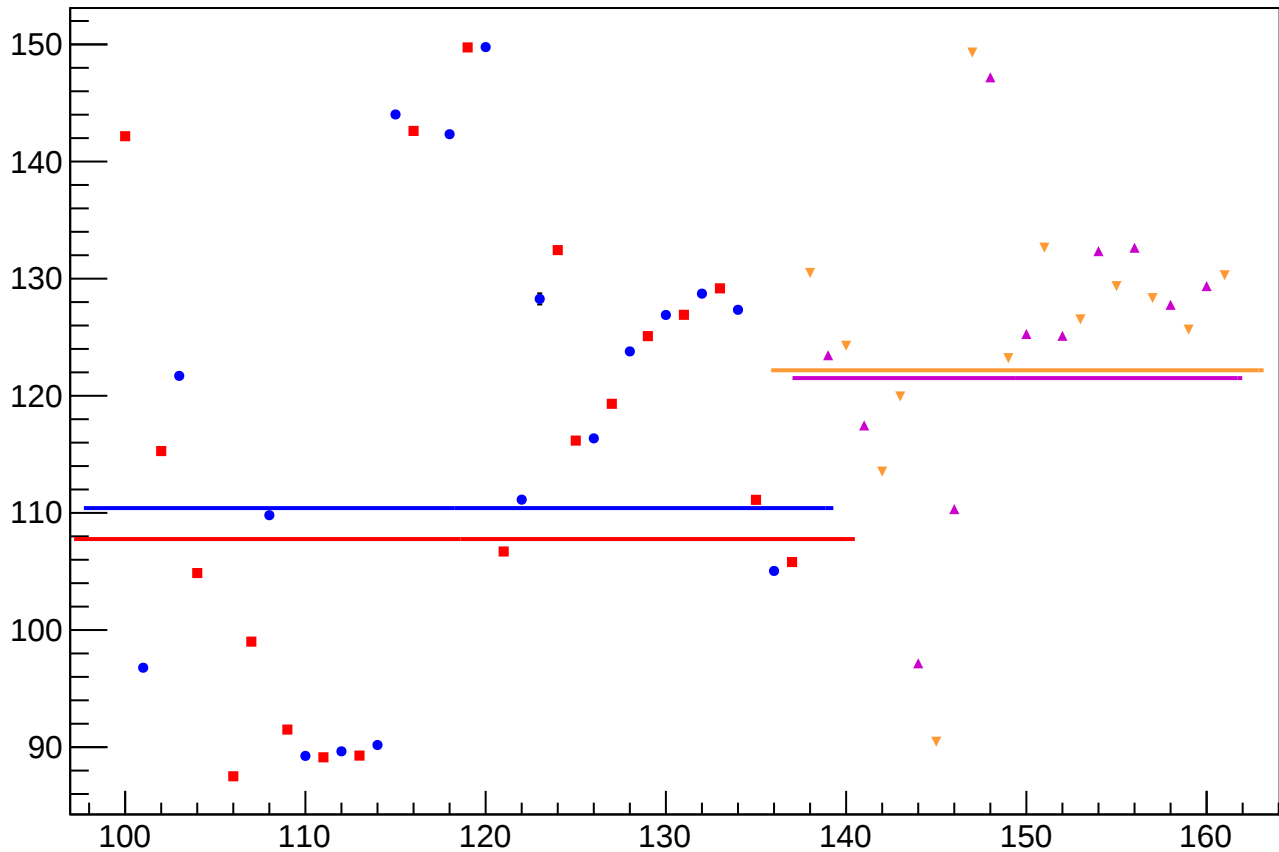
Right Out: -175.485+/-41.101 χ^2/NDF : 10.3/18

Left In: -206.058+/-40.833 χ^2/NDF : 8.1/10

174.986+/-29.147 χ^2/NDF : 34.9/29

-190.871+/-28.968 χ^2/NDF : 18.6/29

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411+/-0.031 χ^2/NDF : 296425.4/16

Left Out: 122.178+/-0.028 χ^2/NDF : 279299.3/12

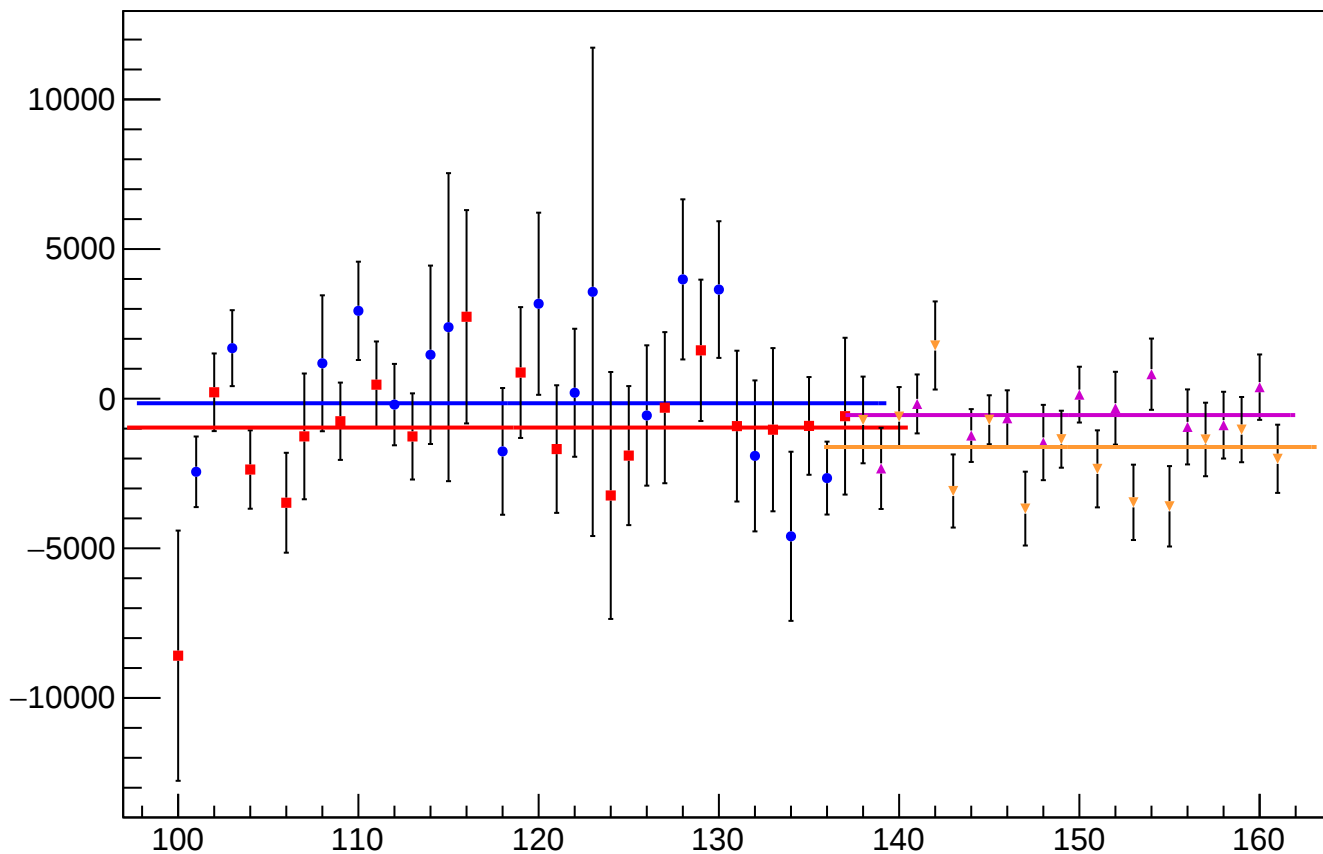
Right Out: 107.768+/-0.029 χ^2/NDF : 344441.4/18

Left In: 121.511+/-0.029 χ^2/NDF : 209019.7/10

116.849+/-0.021 χ^2/NDF : 656489.0/29

114.684+/-0.020 χ^2/NDF : 666005.9/29

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1614.658 ± 316.988 χ^2/NDF : 17.4/12

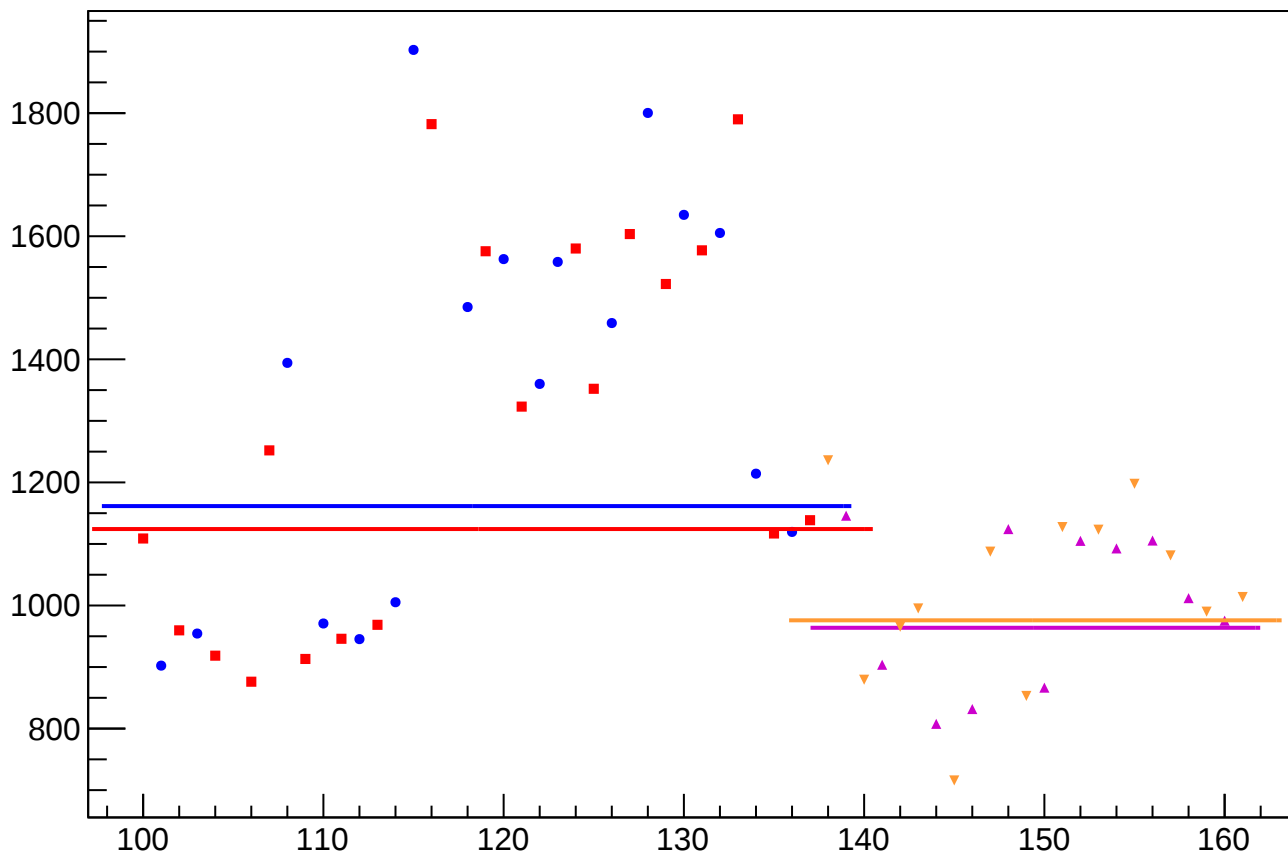
Right Out: -964.716 ± 435.111 χ^2/NDF : 12.3/18

Left In: -547.533 ± 325.383 χ^2/NDF : 5.8/10

-1150.391 ± 261.875 χ^2/NDF : 48.8/29

-697.159 ± 260.580 χ^2/NDF : 18.7/29

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 975.911+/-0.224 χ^2/NDF : 463154.3/12

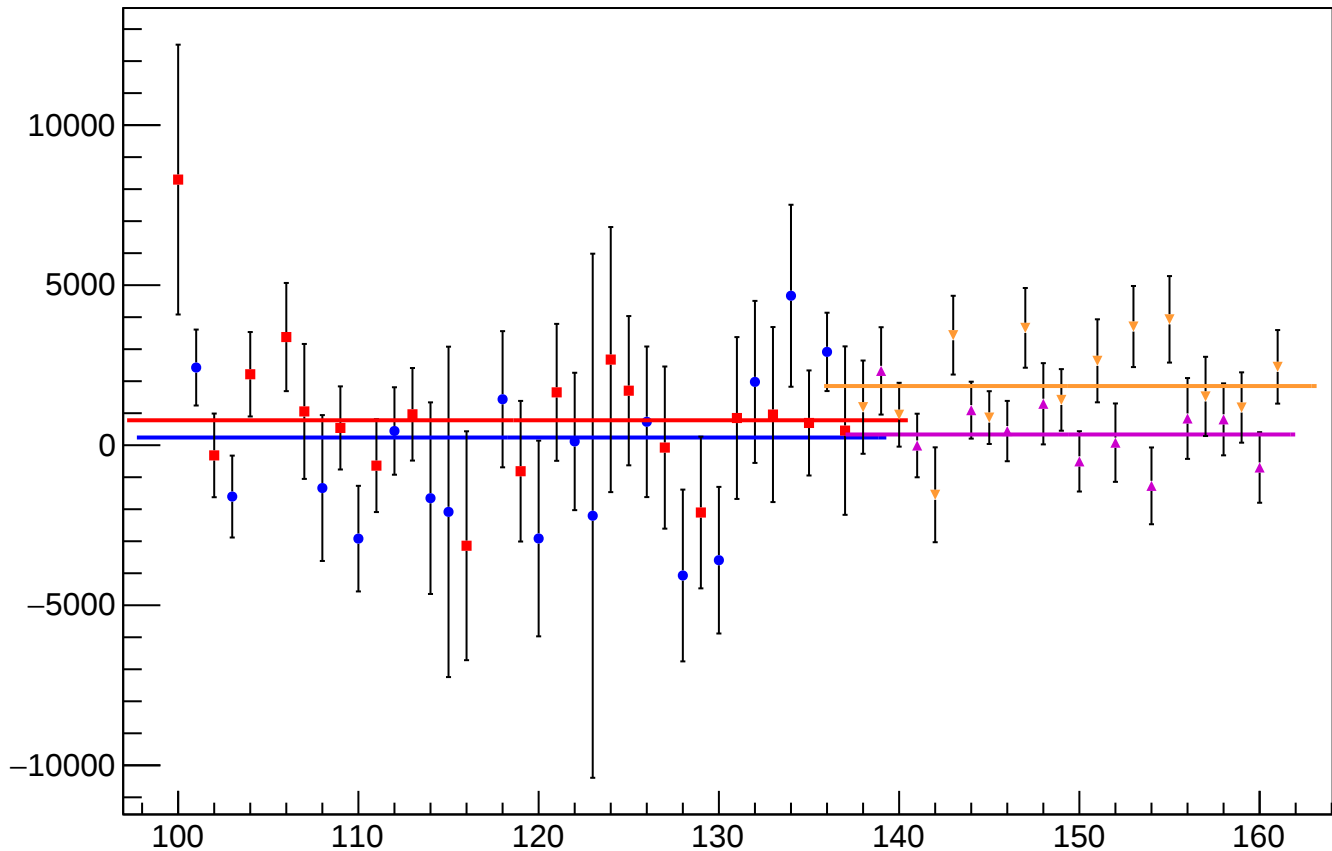
Right Out: 1124.235+/-0.308 χ^2/NDF : 767790.0/18

Left In: 963.792+/-0.230 χ^2/NDF : 280163.5/10

1034.845+/-0.185 χ^2/NDF : 1376799.8/29

1021.336+/-0.184 χ^2/NDF : 1222357.9/29

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1848.641 $\pm$ 319.562 χ^2 /NDF:17.3/12

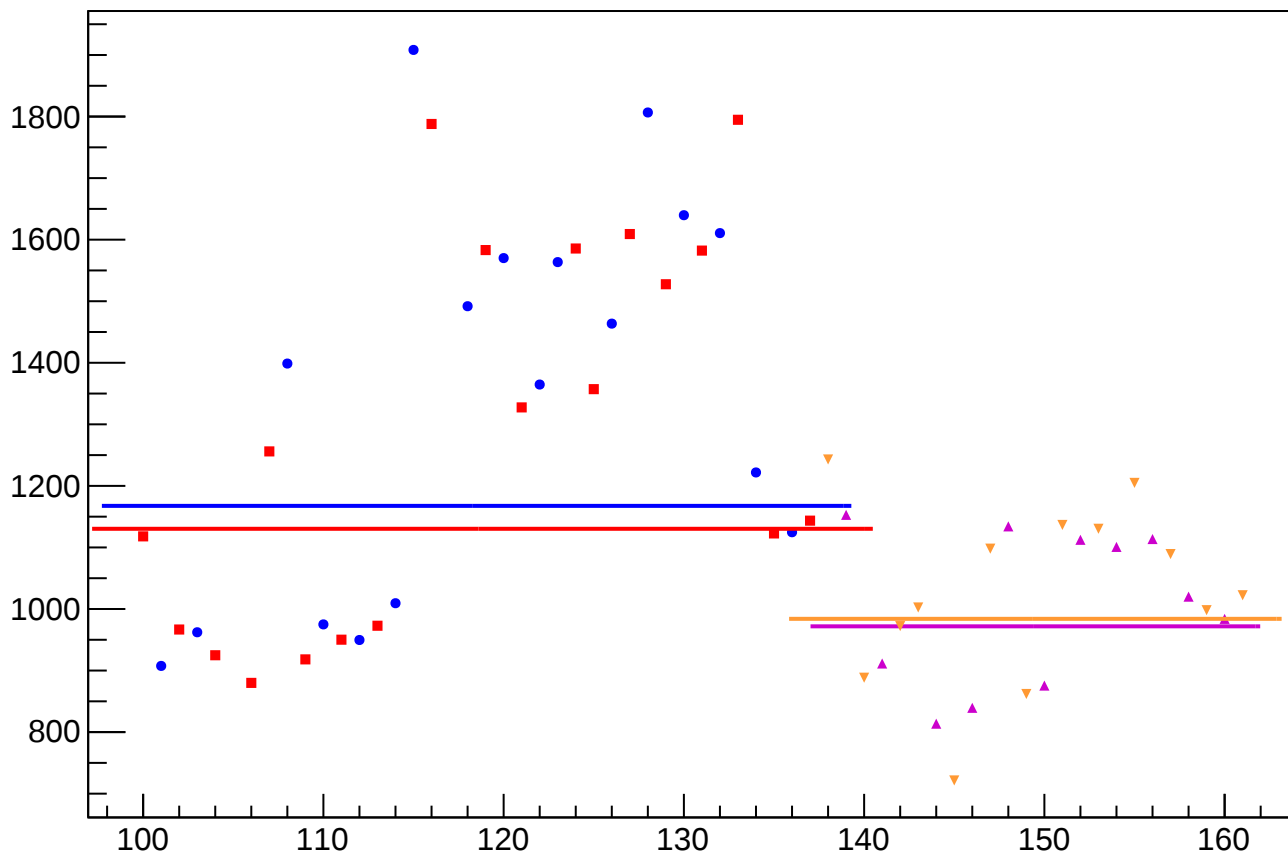
Right Out: 779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

Left In: 335.442 $\pm$ 328.049 χ^2 /NDF:7.4/10

1335.907 $\pm$ 263.734 χ^2 /NDF: 50.2/29

495.151 $\pm$ 262.459 χ^2 /NDF: 20.4/29

asym_sam_48_dd_rms vs Slug



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 984.025 $\pm$ 0.226 χ^2 /NDF: 458769.6/12

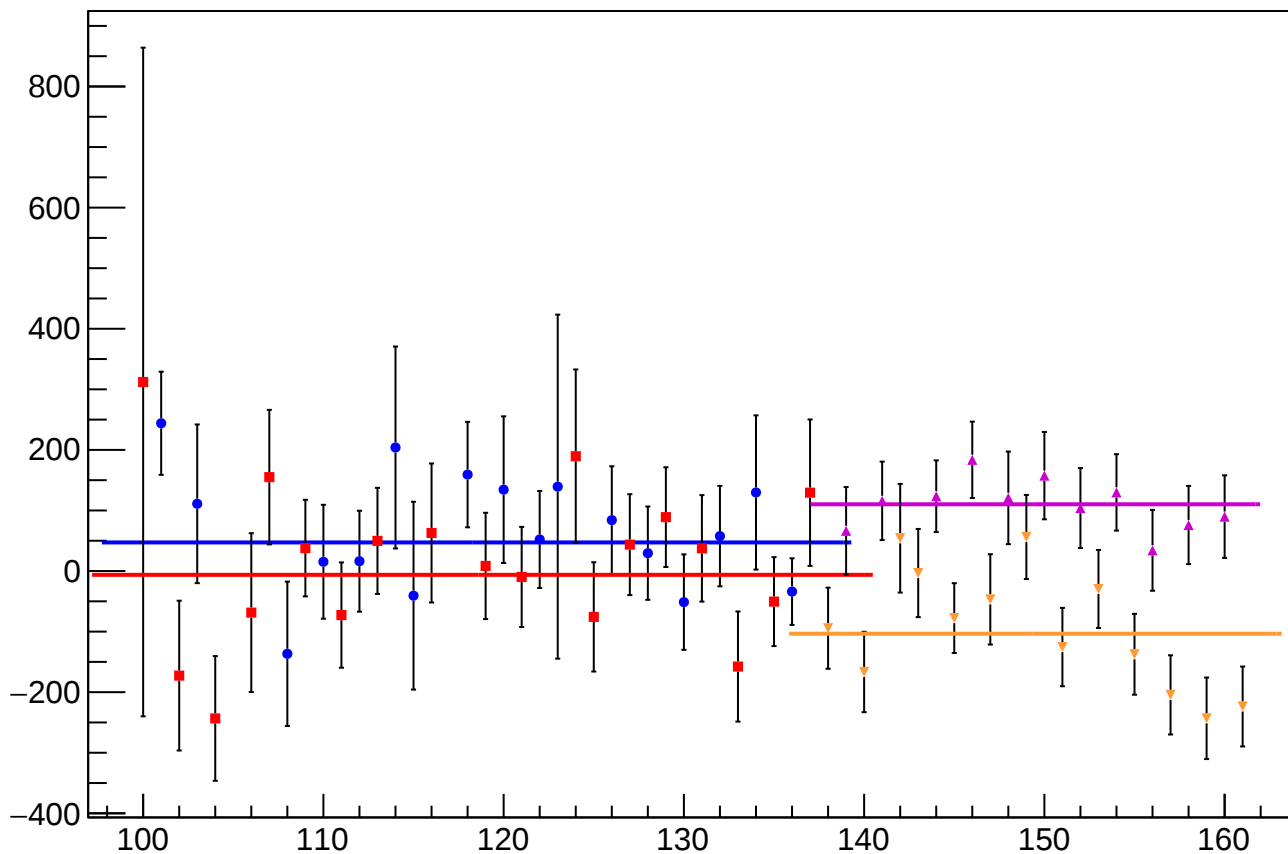
Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

Left In: 971.833 $\pm$ 0.232 χ^2 /NDF: 277603.6/10

1042.544 $\pm$ 0.186 χ^2 /NDF: 1359579.3/29

1028.867 $\pm$ 0.186 χ^2 /NDF: 1207074.3/29

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -103.464 $\pm$ 18.765 χ^2 /NDF:23.7/12

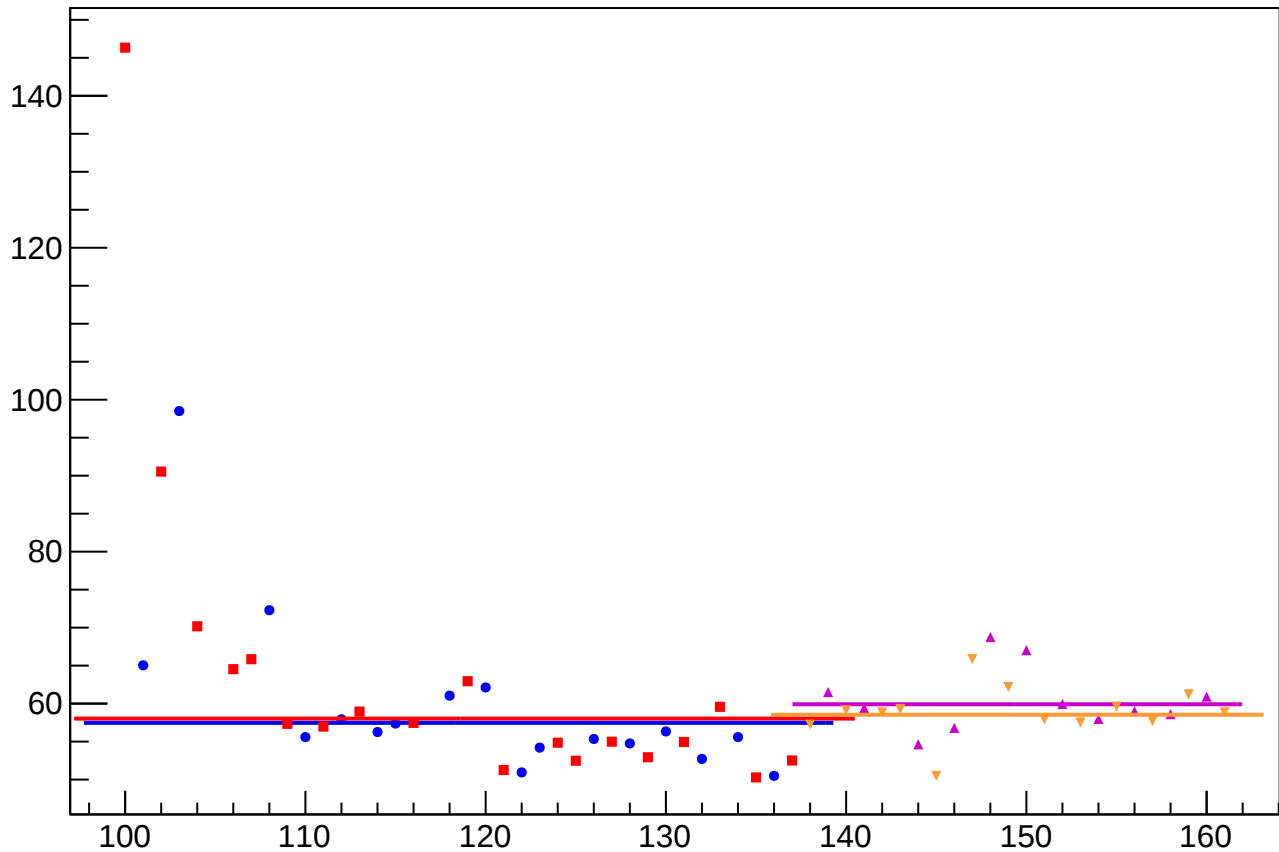
Right Out: -6.246 $\pm$ 22.128 χ^2 /NDF: 20.3/18

Left In: 110.218 $\pm$ 20.035 χ^2 /NDF:4.0/10

-41.860 $\pm$ 14.428 χ^2 /NDF: 66.1/29

57.752 $\pm$ 14.852 χ^2 /NDF: 39.5/29

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 58.534 $\pm$ 0.013 χ^2 /NDF: 69625.7/12

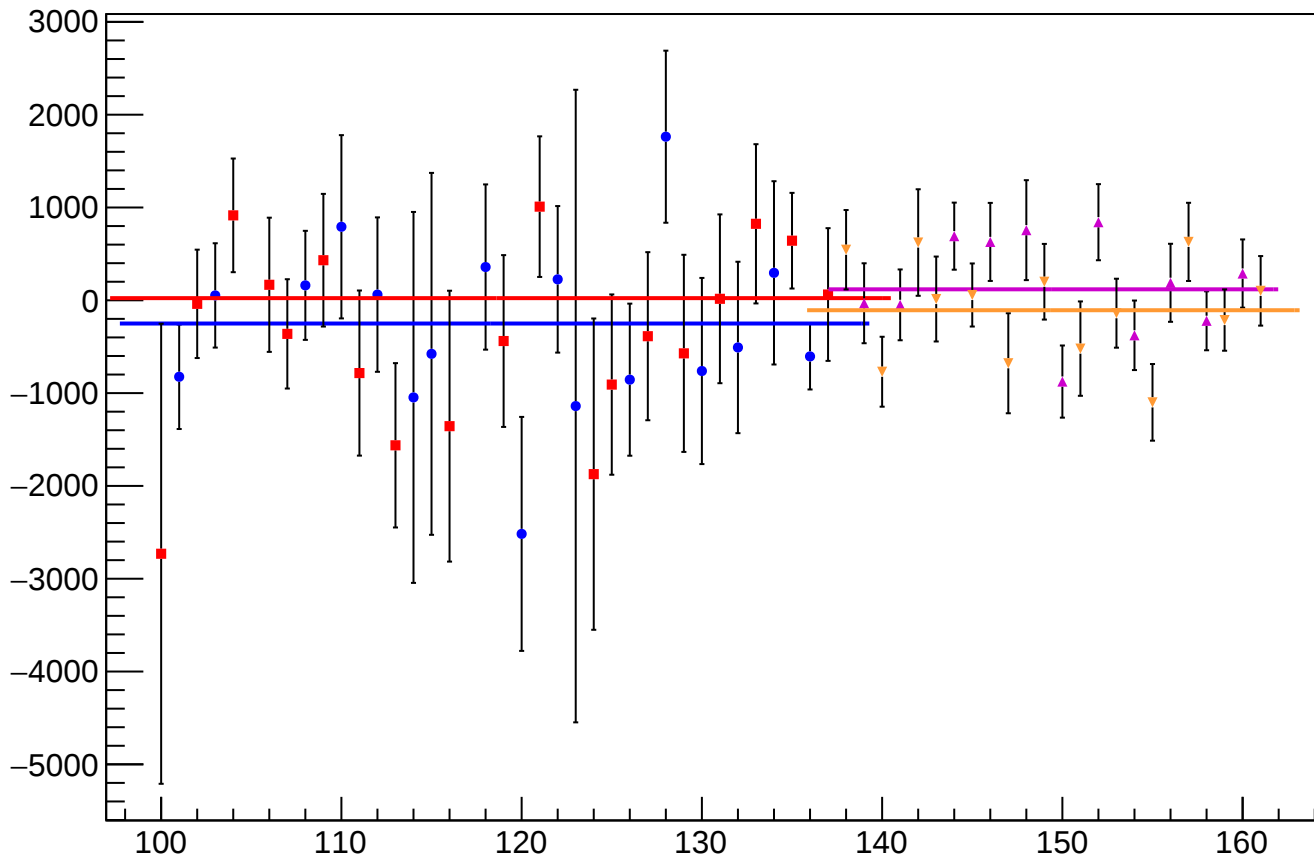
Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

Left In: 59.914 $\pm$ 0.014 χ^2 /NDF: 71640.7/10

58.097 $\pm$ 0.010 χ^2 /NDF: 379435.8/29

59.064 $\pm$ 0.011 χ^2 /NDF: 380424.0/29

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 $\pm$ 184.092 χ^2/NDF : 14.3/16

Left Out: -106.910 $\pm$ 113.715 χ^2/NDF : 18.9/12

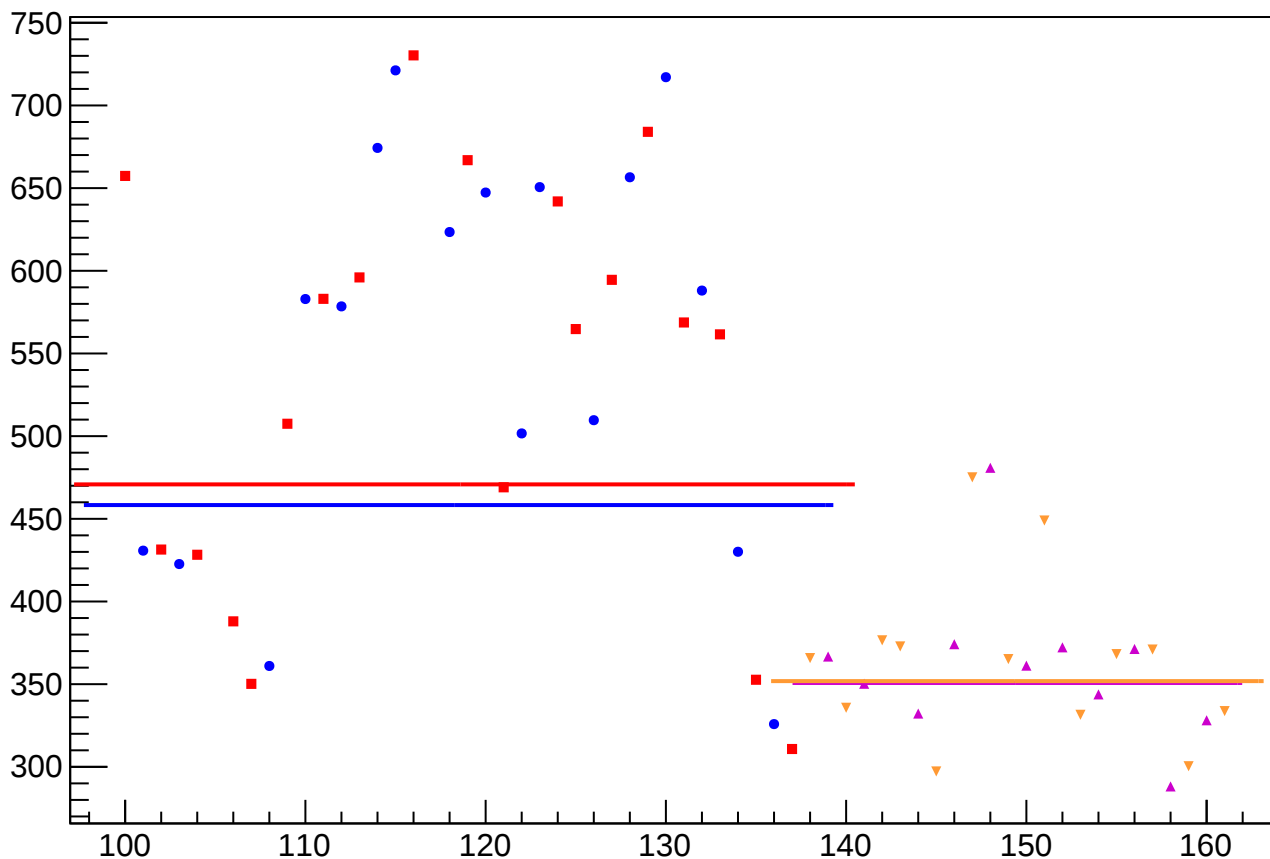
Right Out: 23.314 $\pm$ 181.834 χ^2/NDF : 16.1/18

Left In: 118.329 $\pm$ 118.107 χ^2/NDF : 18.5/10

-146.467 $\pm$ 96.746 χ^2/NDF : 33.7/29

90.137 $\pm$ 99.047 χ^2/NDF : 34.7/29

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324 $\pm$ 0.130 χ^2/NDF : 877201.7/16

Left Out: 351.850 $\pm$ 0.080 χ^2/NDF : 311556.1/12

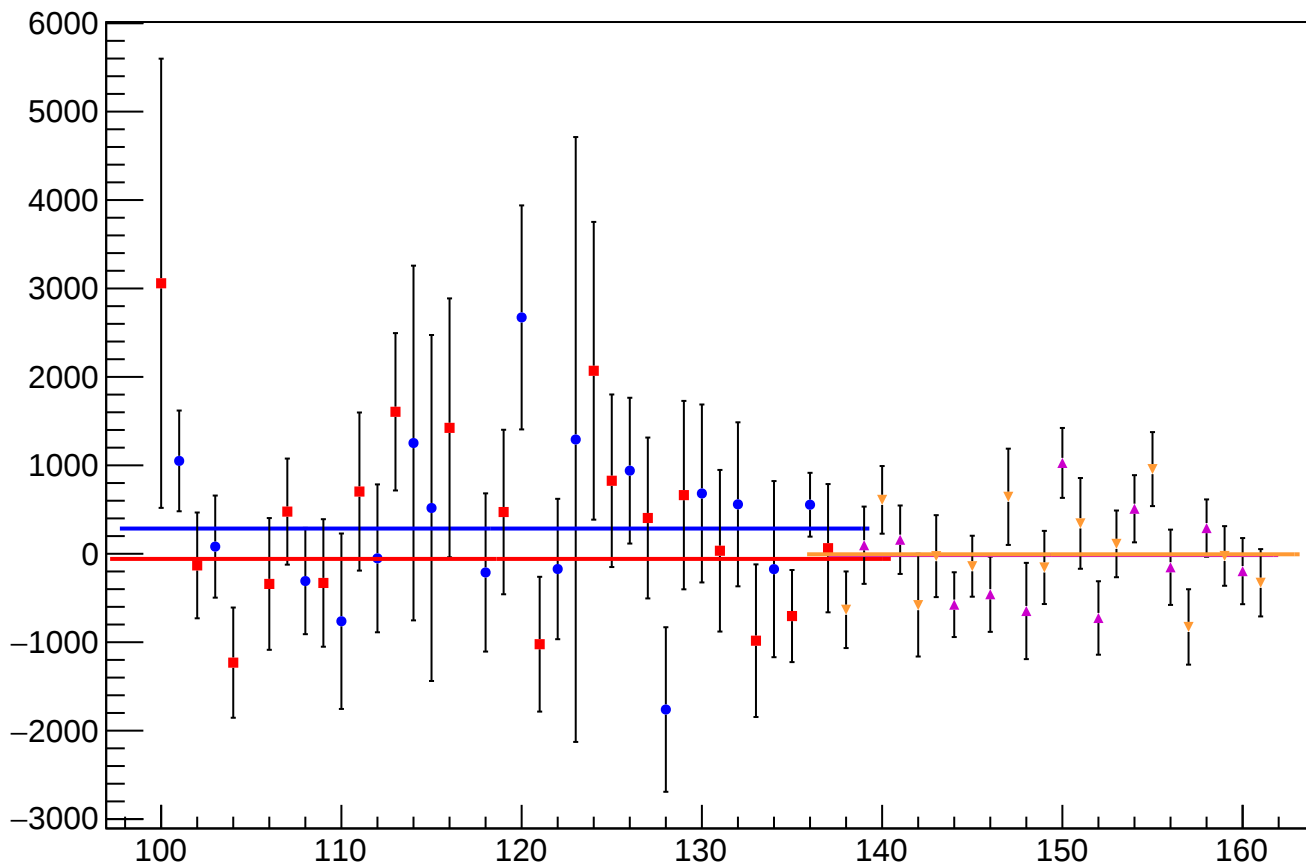
Right Out: 470.827 $\pm$ 0.129 χ^2/NDF : 778635.2/18

Left In: 350.729 $\pm$ 0.084 χ^2/NDF : 228671.5/10

381.257 $\pm$ 0.068 χ^2/NDF : 1673012.8/29

386.363 $\pm$ 0.070 χ^2/NDF : 1620908.0/29

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349+/-186.262 χ^2/NDF : 15.2/16

Left Out: -5.776+/-115.352 χ^2/NDF : 17.7/12

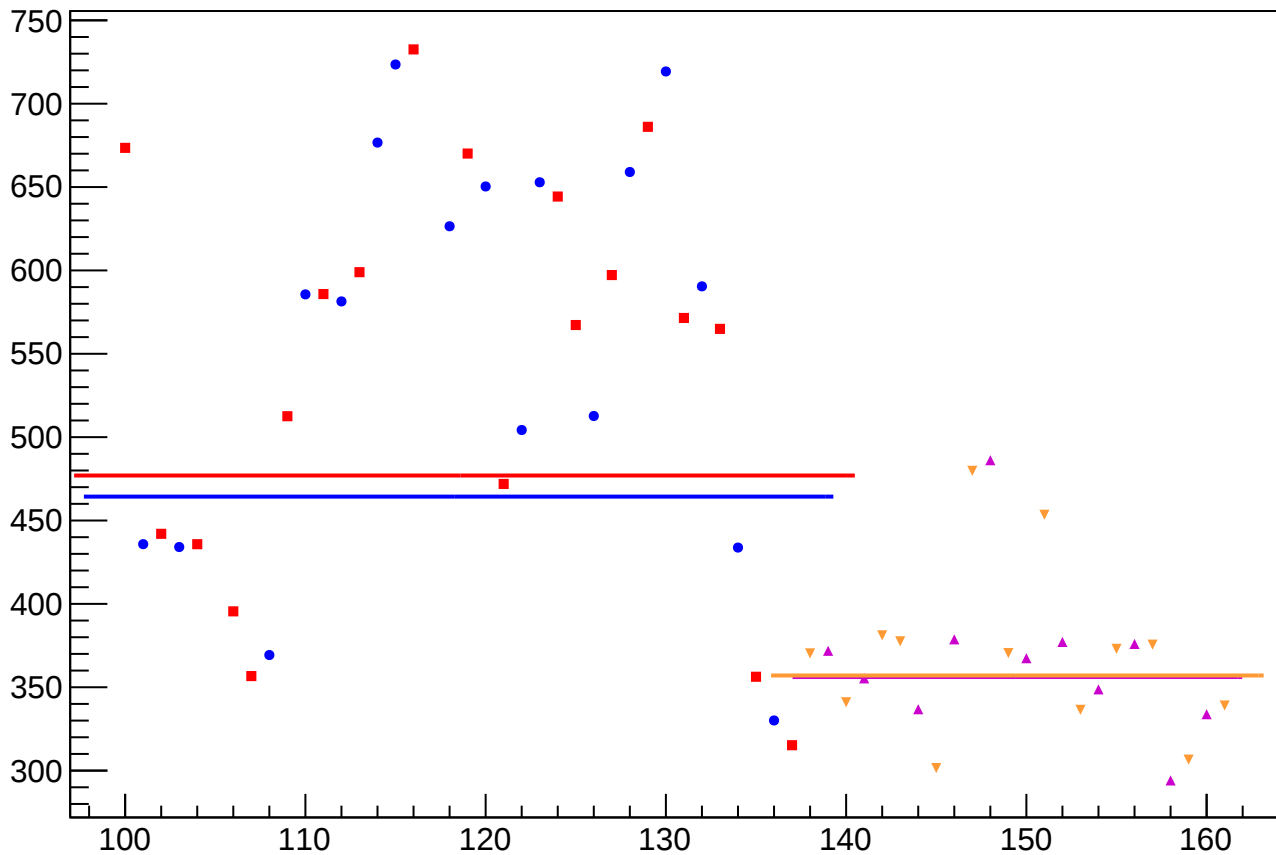
Right Out: -58.001+/-184.074 χ^2/NDF : 19.2/18

Left In: -14.536+/-119.882 χ^2/NDF : 18.0/10

74.928+/-98.069 χ^2/NDF : 34.6/29

-27.481+/-100.456 χ^2/NDF : 37.3/29

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341+/-0.132 χ^2/NDF : 845900.9/16

Left Out: 357.052+/-0.082 χ^2/NDF : 300945.4/12

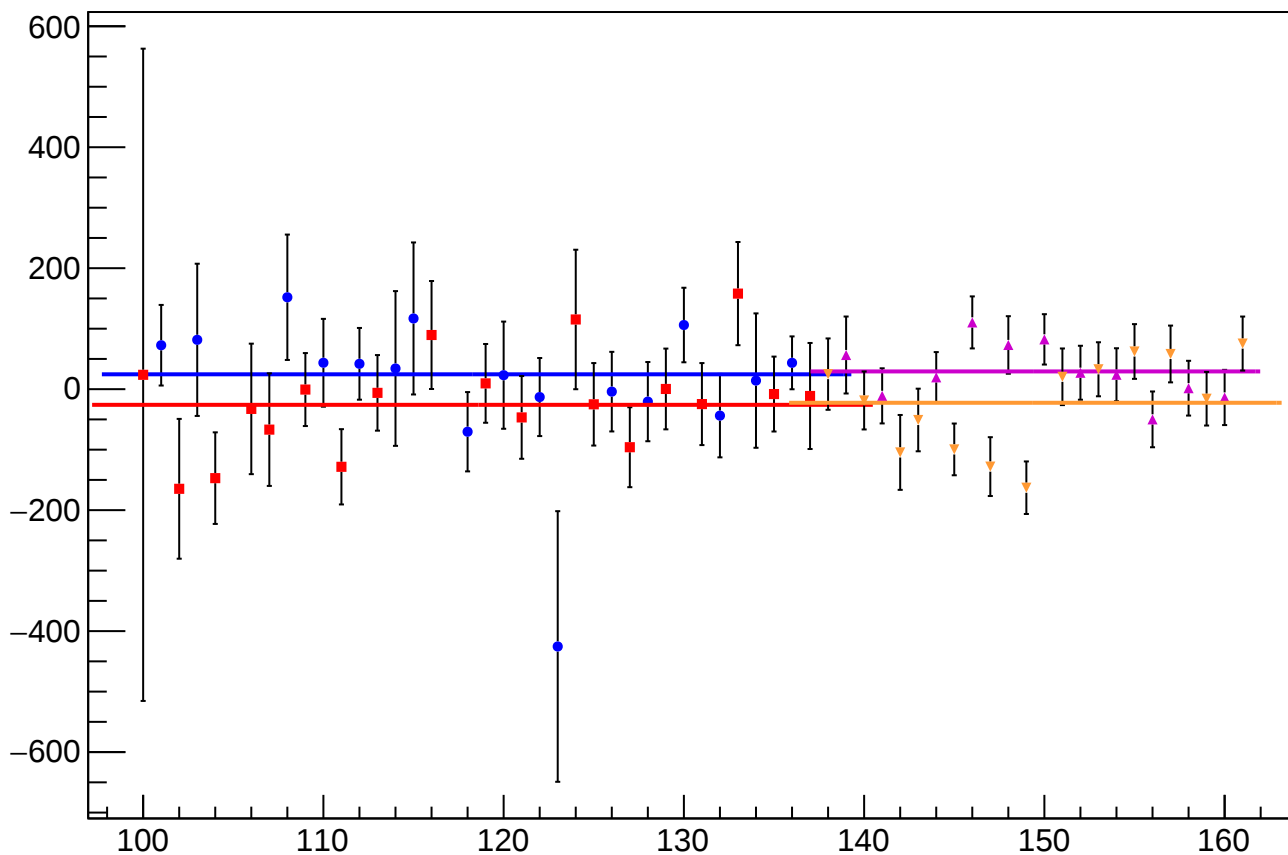
Right Out: 476.989+/-0.130 χ^2/NDF : 749331.1/18

Left In: 356.125+/-0.085 χ^2/NDF : 220205.3/10

386.794+/-0.069 χ^2/NDF : 1626468.6/29

392.122+/-0.071 χ^2/NDF : 1574996.0/29

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584+/-17.839 χ^2/NDF : 13.0/16

Left Out: -22.495+/-13.168 χ^2/NDF : 34.8/12

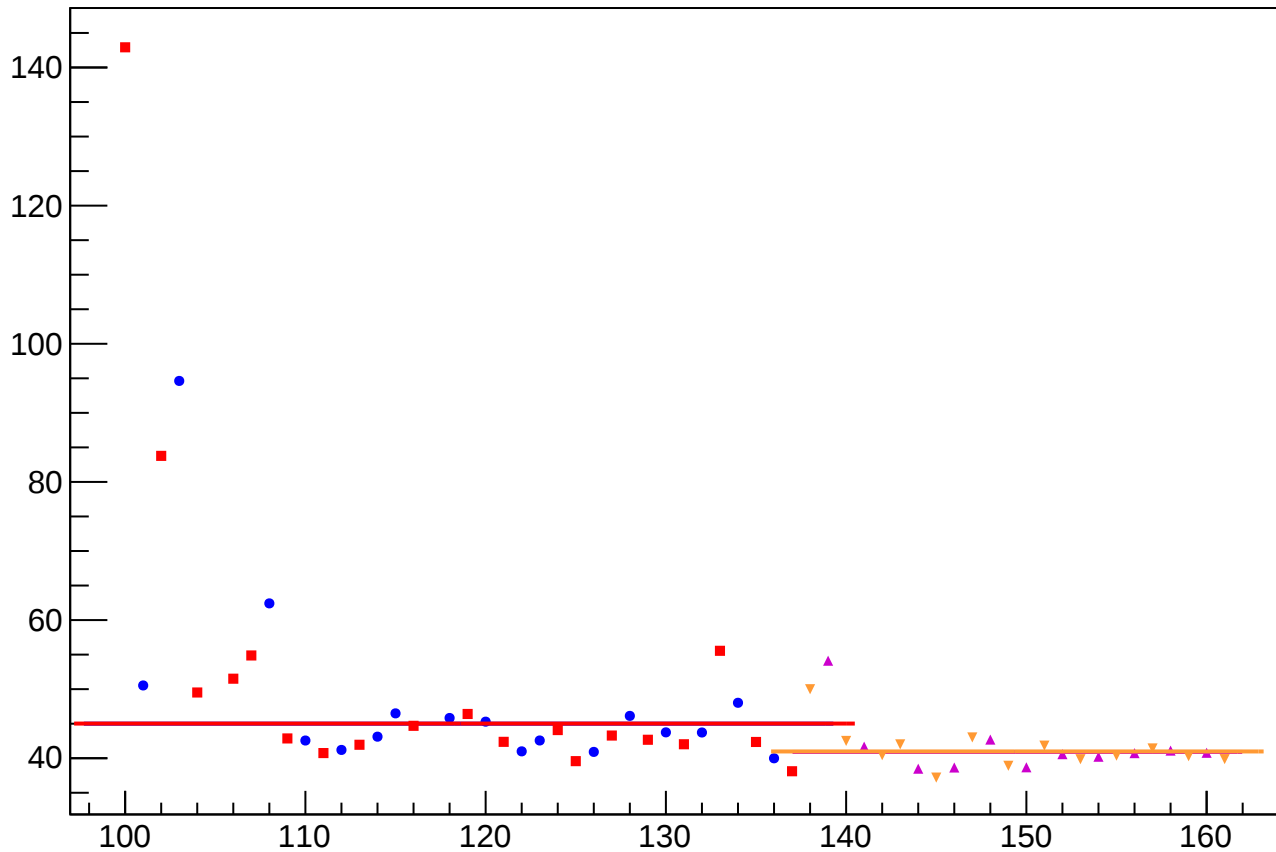
Right Out: -25.884+/-17.386 χ^2/NDF : 16.8/18

Left In: 29.336+/-13.705 χ^2/NDF : 11.3/10

-5.890+/-10.594 χ^2/NDF : 52.3/29

8.175+/-10.763 χ^2/NDF : 34.3/29

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 40.980 $\pm$ 0.009 χ^2 /NDF: 77465.5/12

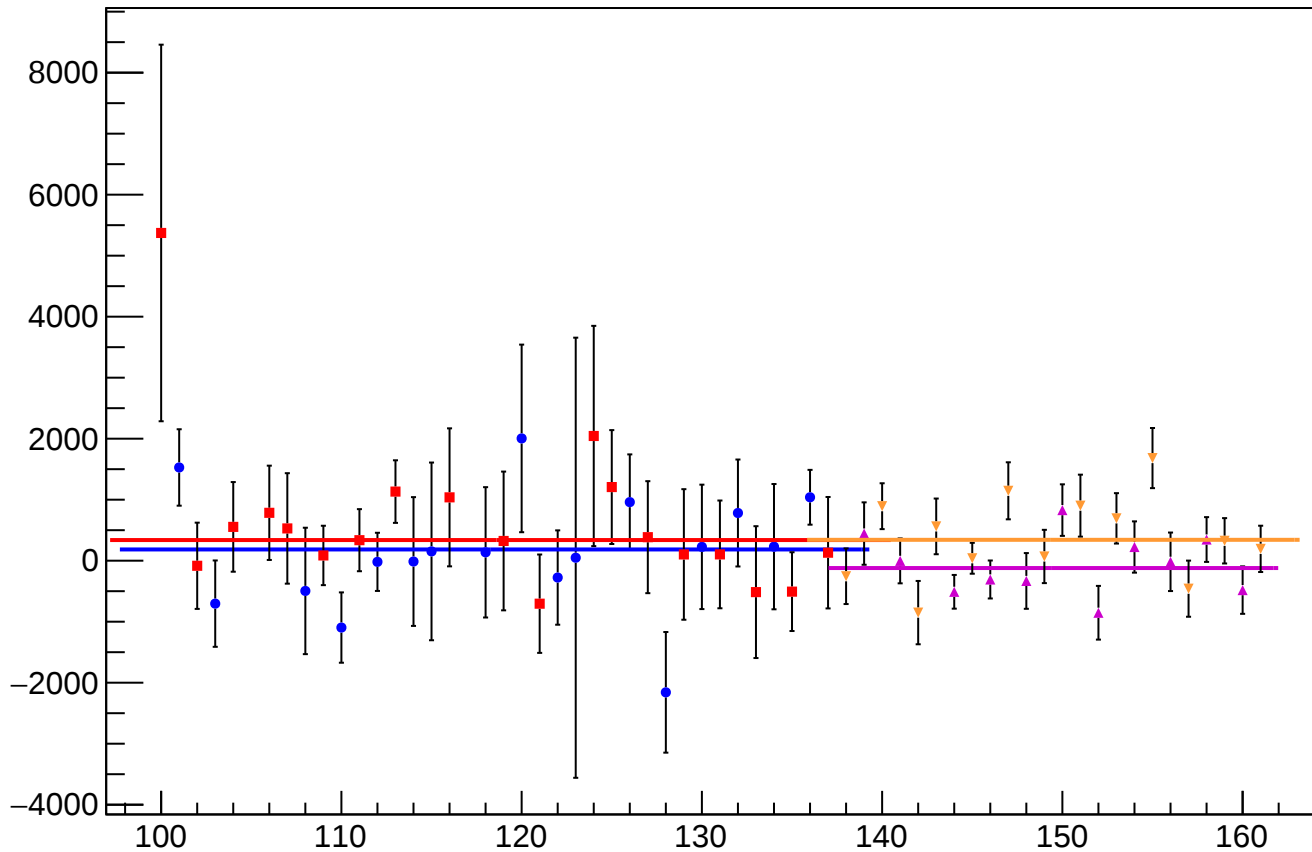
Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

Left In: 40.904 $\pm$ 0.010 χ^2 /NDF: 108221.0/10

42.398 $\pm$ 0.007 χ^2 /NDF: 581595.1/29

42.480 $\pm$ 0.008 χ^2 /NDF: 592781.2/29

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 342.128 ± 112.815 χ^2/NDF : 26.7/12

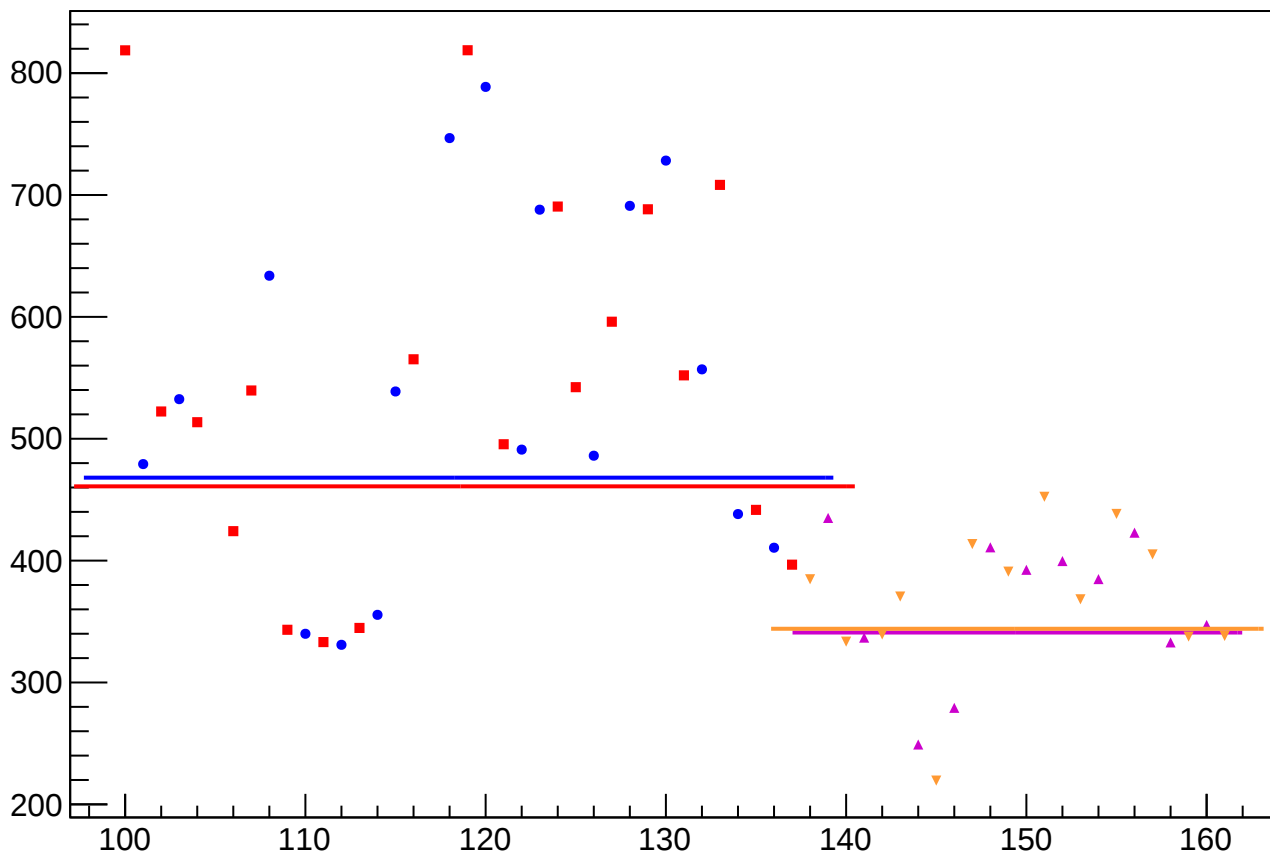
Right Out: 338.329 ± 179.381 χ^2/NDF : 12.5/18

Left In: -120.539 ± 116.096 χ^2/NDF : 14.9/10

300.493 ± 96.810 χ^2/NDF : 51.4/29

14.926 ± 97.464 χ^2/NDF : 32.0/29

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 344.085 $\pm$ 0.080 χ^2 /NDF: 782628.9/12

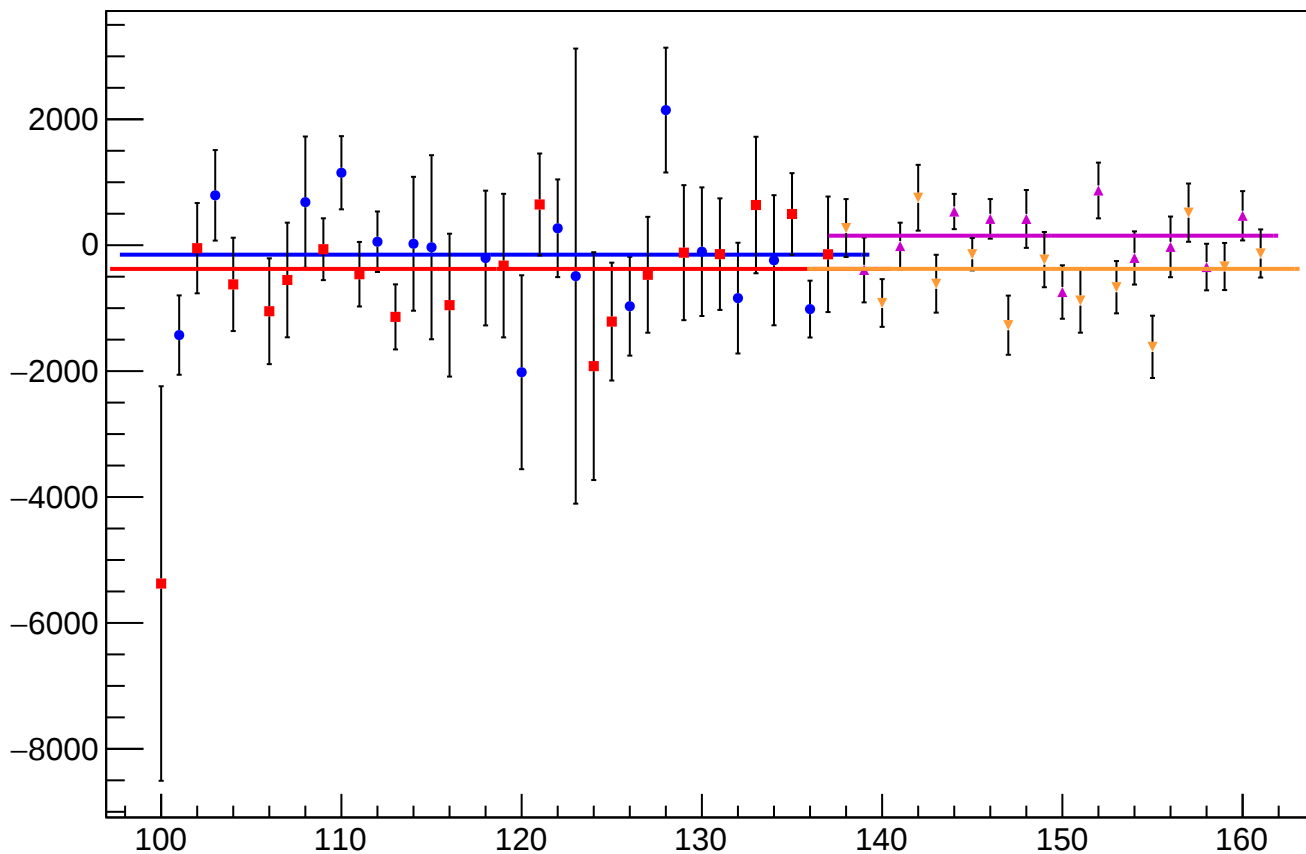
Right Out: 460.939 $\pm$ 0.127 χ^2 /NDF: 955028.5/18

Left In: 340.993 $\pm$ 0.082 χ^2 /NDF: 561239.0/10

376.768 $\pm$ 0.068 χ^2 /NDF: 2299747.0/29

376.403 $\pm$ 0.069 χ^2 /NDF: 2146508.3/29

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -375.892 ± 113.712 χ^2/NDF : 25.4/12

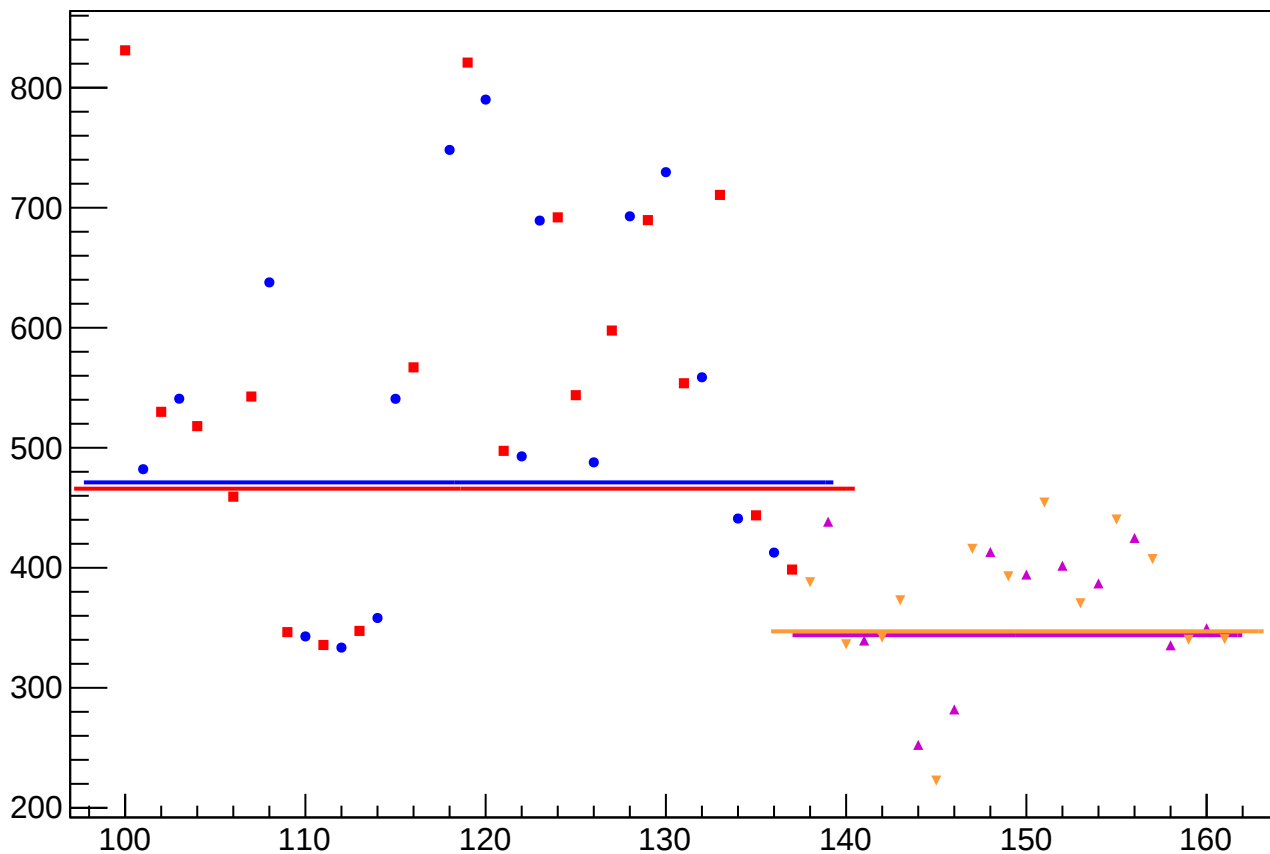
Right Out: -376.554 ± 181.258 χ^2/NDF : 12.4/18

Left In: 151.175 ± 117.016 χ^2/NDF : 14.6/10

-316.275 ± 97.536 χ^2/NDF : 50.6/29

-4.068 ± 98.309 χ^2/NDF : 33.0/29

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 347.066+/-0.080 χ^2/NDF : 757963.3/12

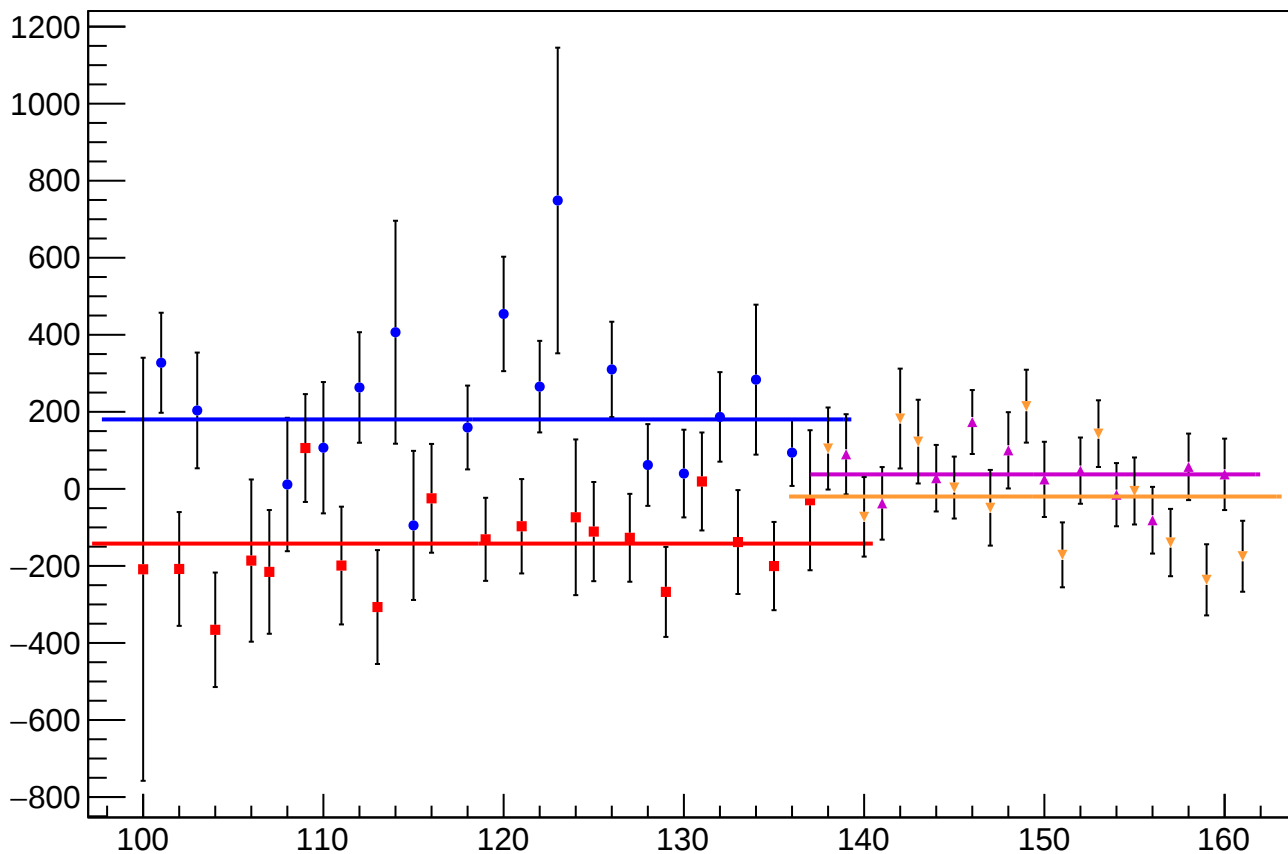
Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

Left In: 343.890+/-0.083 χ^2/NDF : 545186.8/10

379.860+/-0.069 χ^2/NDF : 2259230.1/29

379.792+/-0.070 χ^2/NDF : 2125707.6/29

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: -19.855 $\pm$ 26.094 χ^2 /NDF: 29.1/12

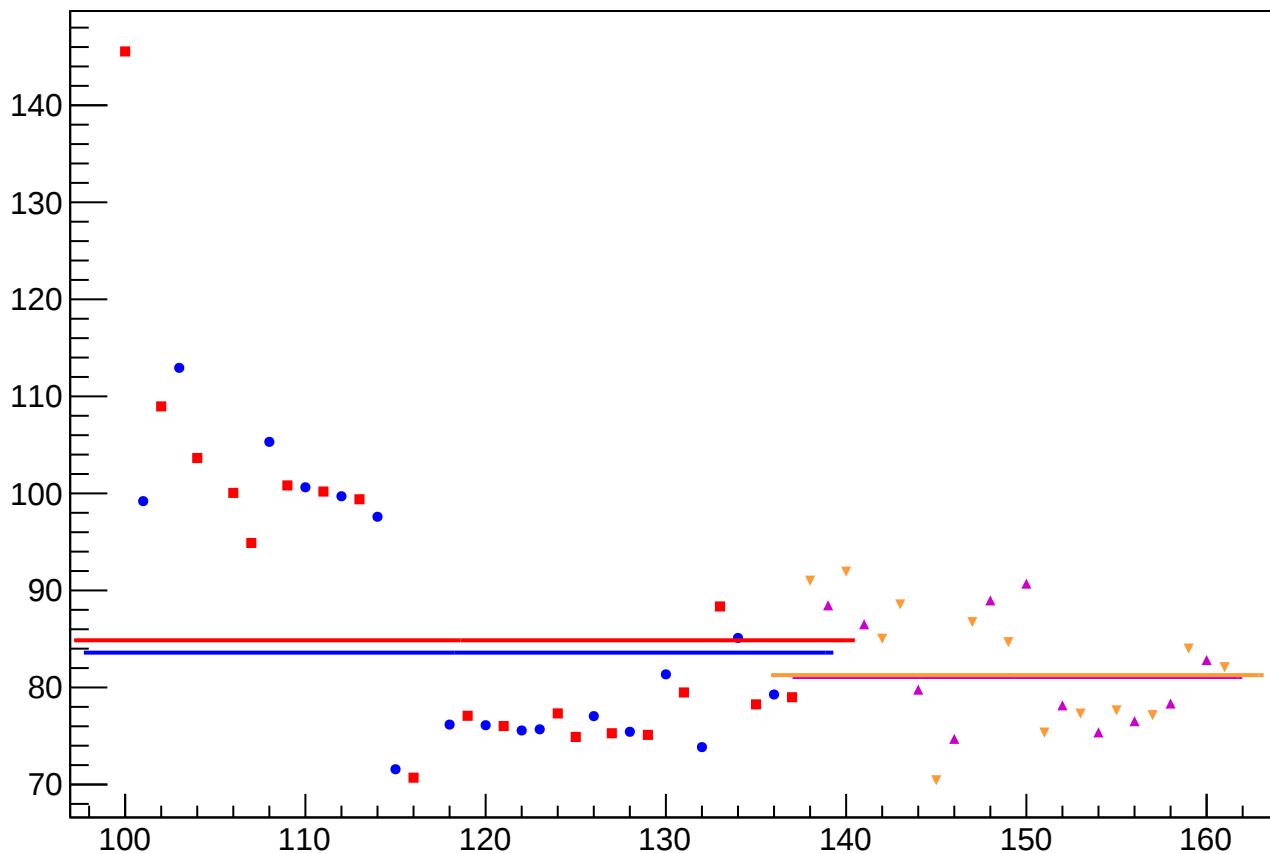
Right Out: -142.040 $\pm$ 32.338 χ^2 /NDF: 11.7/18

Left In: 37.632 $\pm$ 27.127 χ^2 /NDF: 6.4/10

57.825 $\pm$ 20.413 χ^2 /NDF: 68.5/29

-36.581 $\pm$ 20.783 χ^2 /NDF: 36.2/29

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 ± 0.023 χ^2/NDF : 255921.7/16

Left Out: 81.273 ± 0.018 χ^2/NDF : 117720.9/12

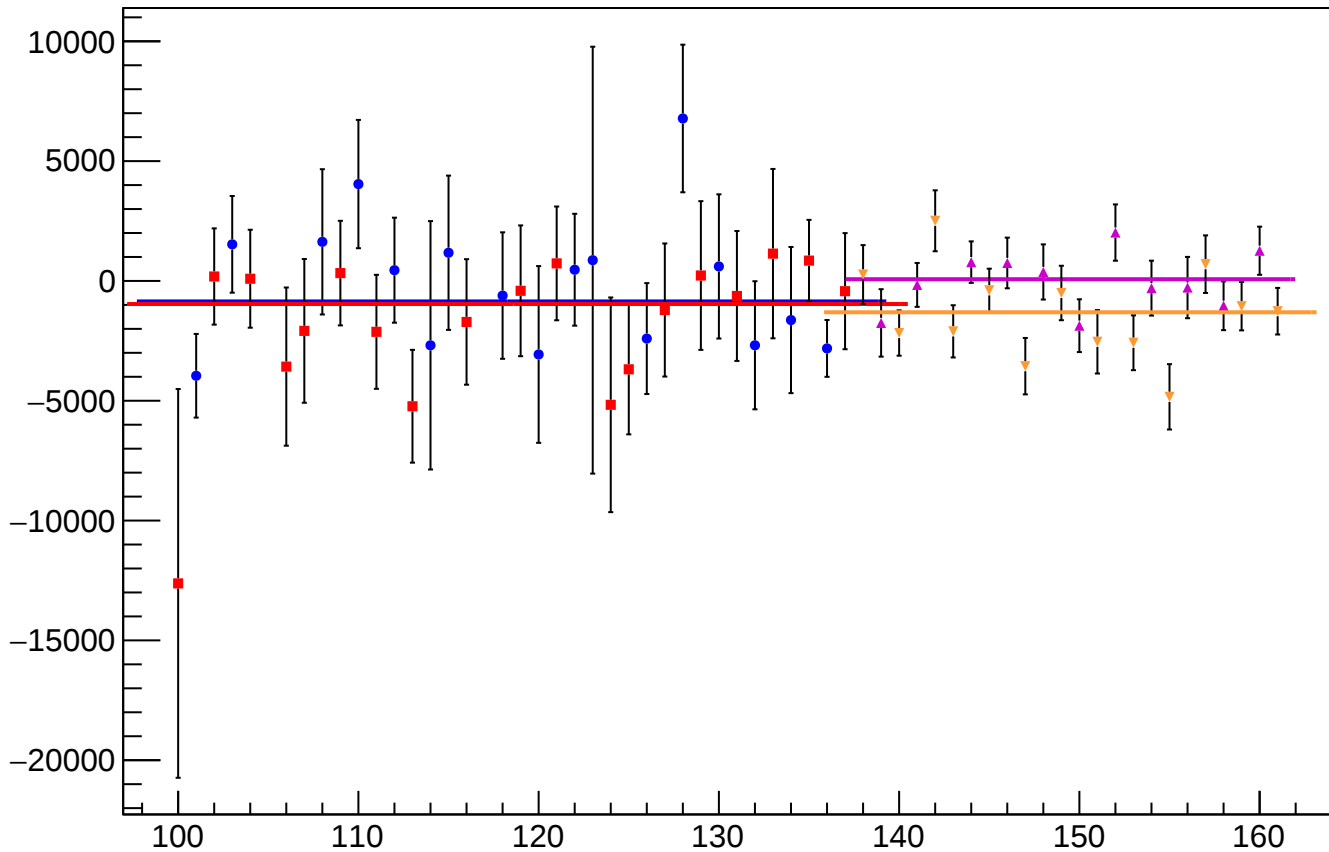
Right Out: 84.861 ± 0.023 χ^2/NDF : 290606.5/18

Left In: 81.078 ± 0.019 χ^2/NDF : 81338.2/10

82.172 ± 0.014 χ^2/NDF : 379767.1/29

82.641 ± 0.015 χ^2/NDF : 388008.0/29

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308 ± 583.290 χ^2/NDF : 20.3/16

Left Out: -1307.136 ± 307.589 χ^2/NDF : 28.9/12

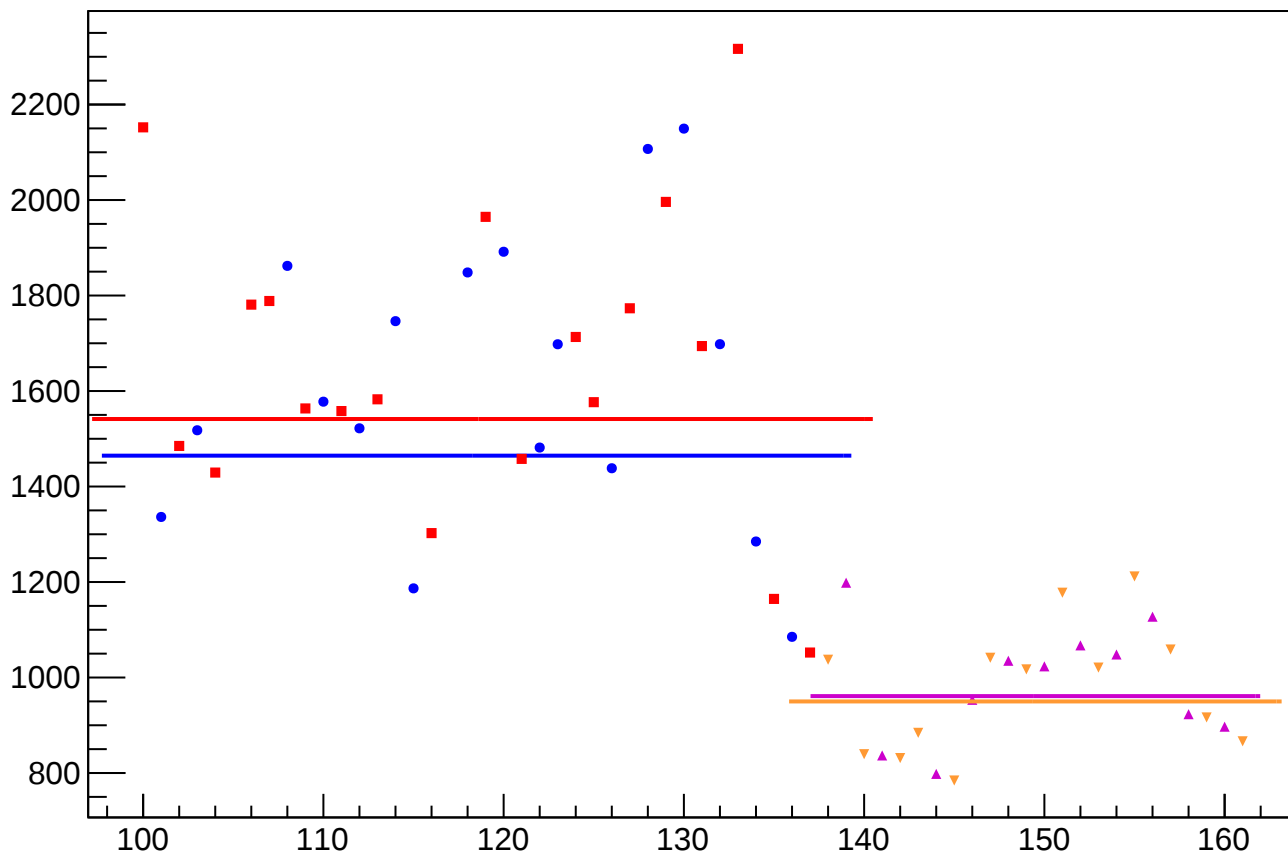
Right Out: -962.932 ± 589.071 χ^2/NDF : 11.5/18

Left In: 72.240 ± 323.456 χ^2/NDF : 11.5/10

-1208.828 ± 272.077 χ^2/NDF : 49.6/29

-167.567 ± 283.526 χ^2/NDF : 25.4/29

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636+/-0.412 χ^2/NDF : 560863.4/16

Left Out: 949.898+/-0.217 χ^2/NDF : 322334.1/12

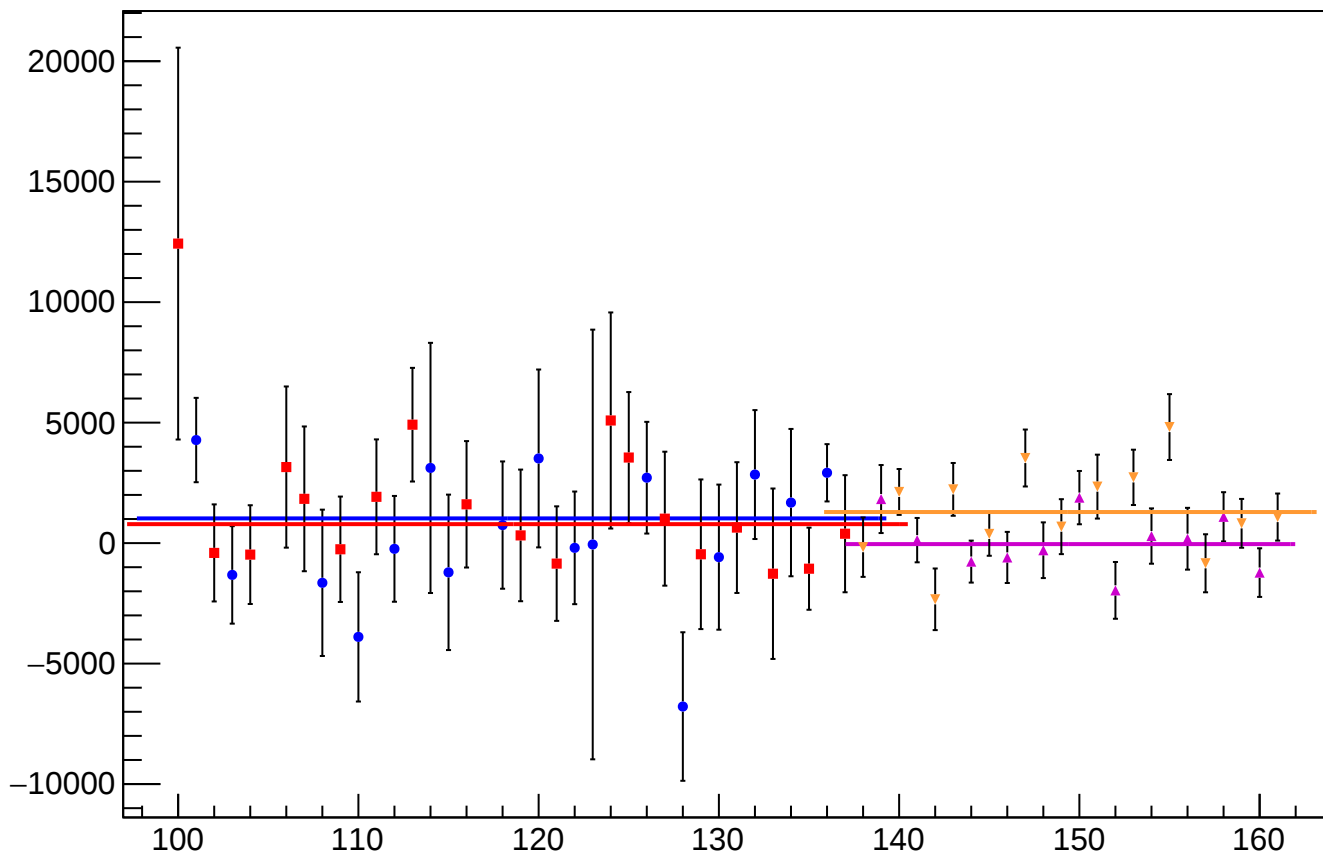
Right Out: 1541.388+/-0.417 χ^2/NDF : 453710.5/18

Left In: 961.069+/-0.229 χ^2/NDF : 251905.4/10

1061.893+/-0.192 χ^2/NDF : 2101836.3/29

1095.505+/-0.200 χ^2/NDF : 2196974.7/29

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1290.045 $\pm$ 308.839 χ^2 /NDF:28.1/12

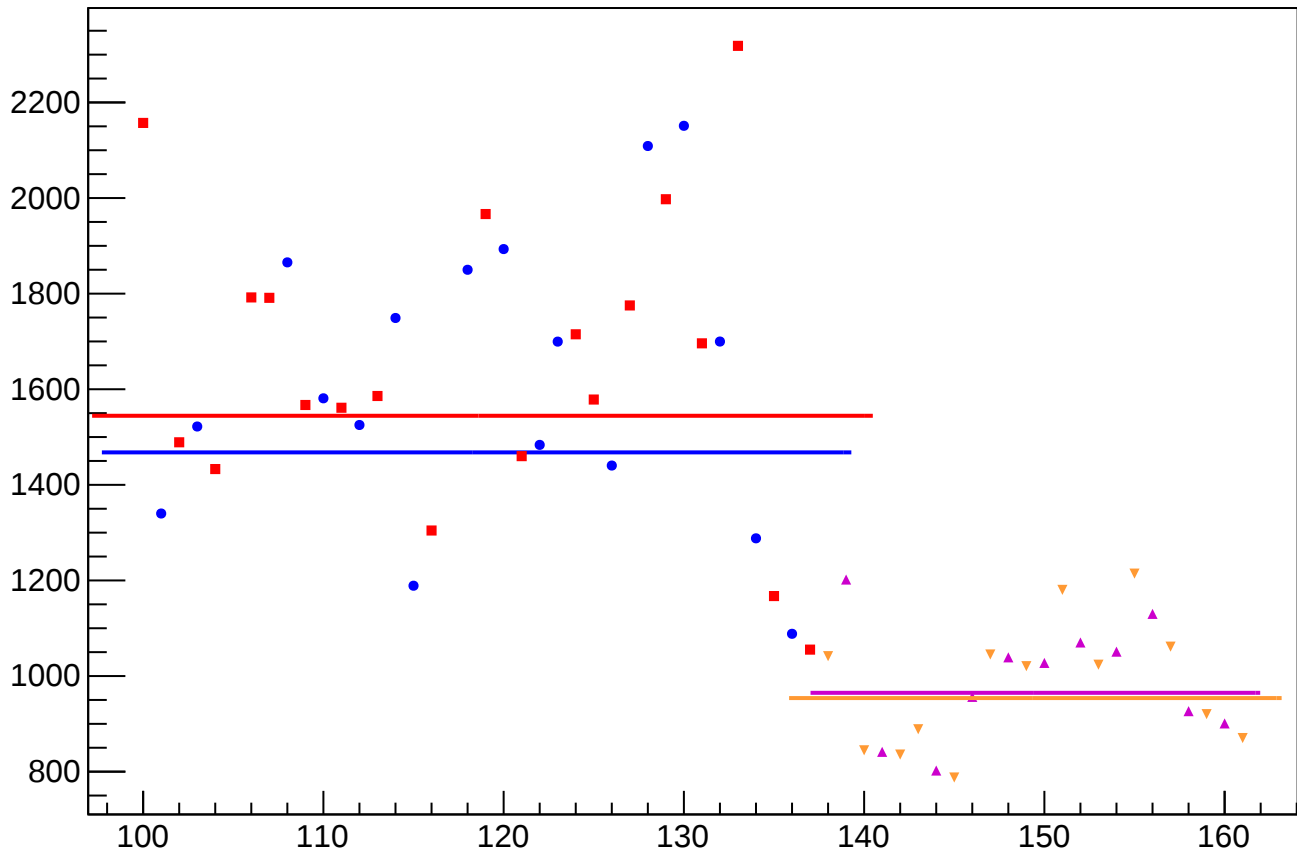
Right Out: 787.007 $\pm$ 590.388 χ^2 /NDF: 11.2/18

Left In: -41.101 $\pm$ 324.707 χ^2 /NDF:11.2/10

1232.313 $\pm$ 273.064 χ^2 /NDF: 49.2/29

151.218 $\pm$ 284.514 χ^2 /NDF: 23.9/29

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905 $\pm$ 0.413 χ^2 /NDF: 557458.9/16

Left Out: 953.927 $\pm$ 0.218 χ^2 /NDF: 317630.0/12

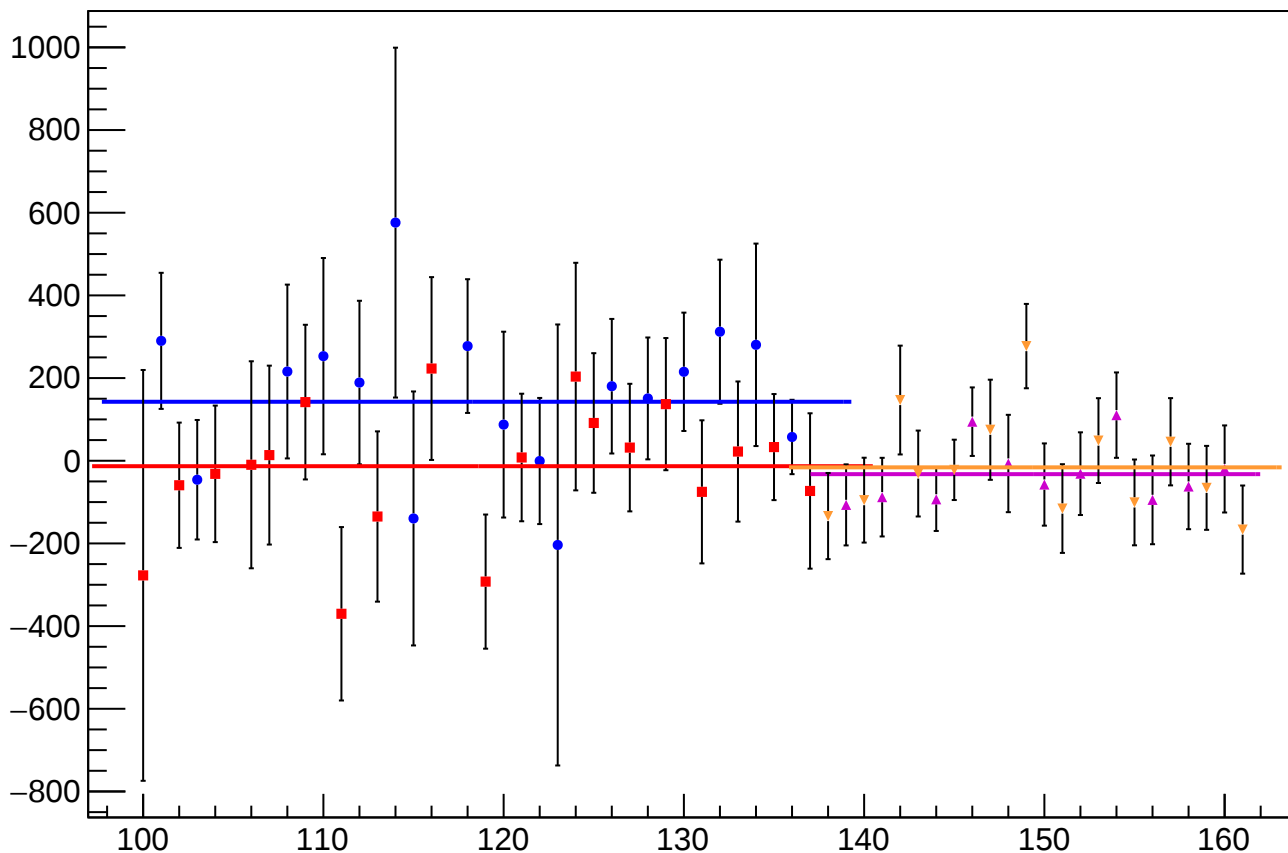
Right Out: 1544.513 $\pm$ 0.417 χ^2 /NDF: 451805.9/18

Left In: 964.918 $\pm$ 0.230 χ^2 /NDF: 248137.4/10

1066.105 $\pm$ 0.193 χ^2 /NDF: 2084062.1/29

1099.522 $\pm$ 0.201 χ^2 /NDF: 2179841.1/29

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -15.962 $\pm$ 28.412 χ^2 /NDF: 16.8/12

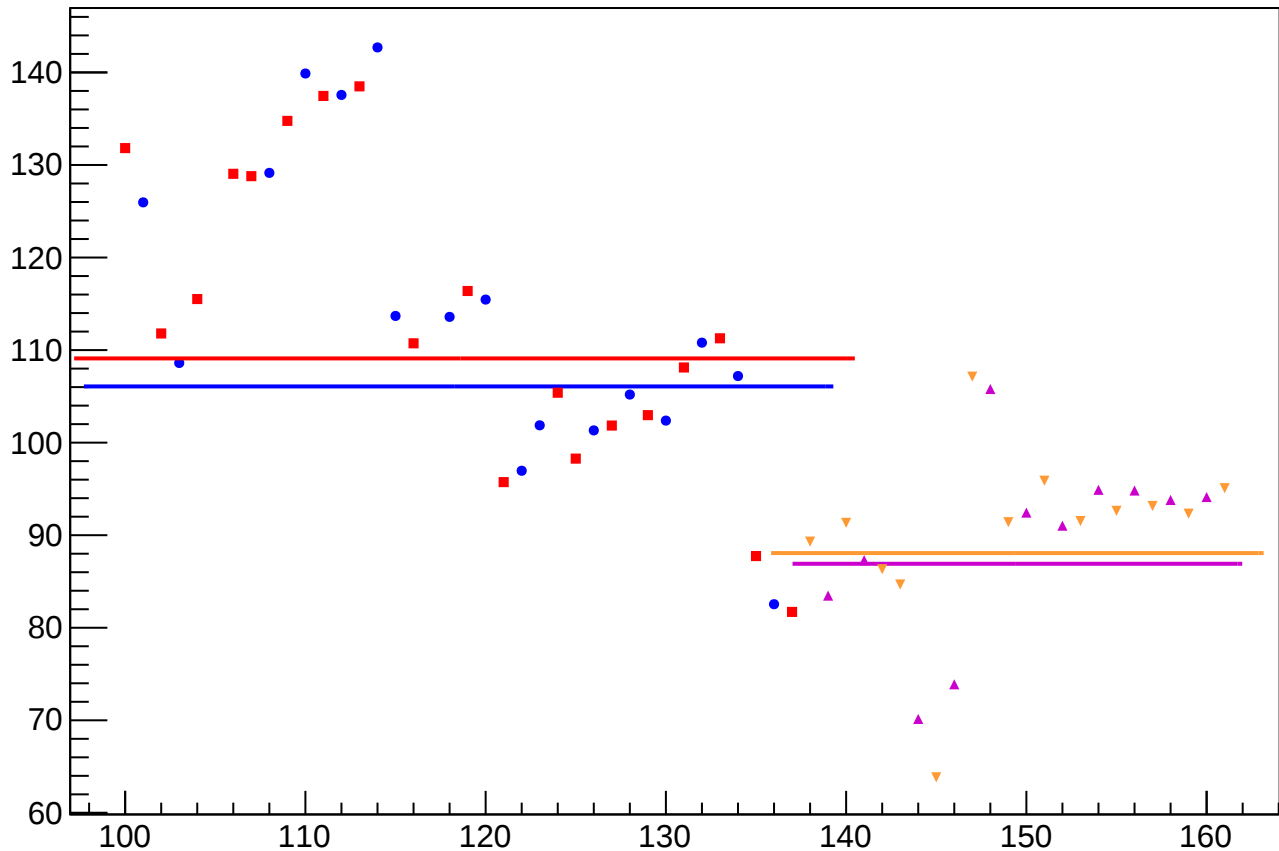
Right Out: -13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

Left In: -32.422 $\pm$ 29.260 χ^2 /NDF: 6.3/10

34.460 $\pm$ 23.467 χ^2 /NDF: 36.0/29

-26.010 $\pm$ 23.894 χ^2 /NDF: 17.3/29

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074+/-0.029 χ^2/NDF : 317907.9/16

Left Out: 88.068+/-0.020 χ^2/NDF : 310496.8/12

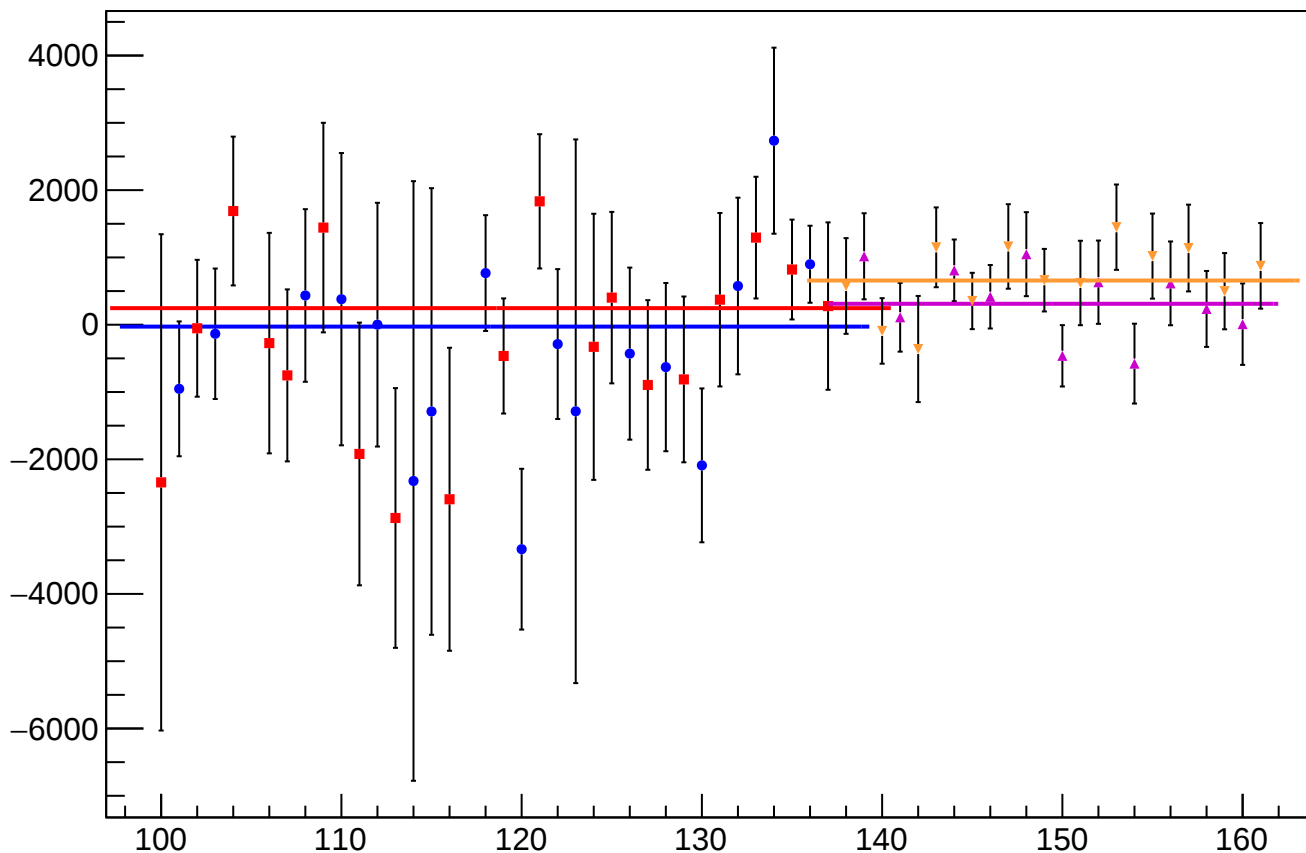
Right Out: 109.100+/-0.029 χ^2/NDF : 285394.8/18

Left In: 86.913+/-0.021 χ^2/NDF : 249732.4/10

93.790+/-0.017 χ^2/NDF : 883700.9/29

94.305+/-0.017 χ^2/NDF : 918266.8/29

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 657.117 ± 160.013 χ^2/NDF : 8.6/12

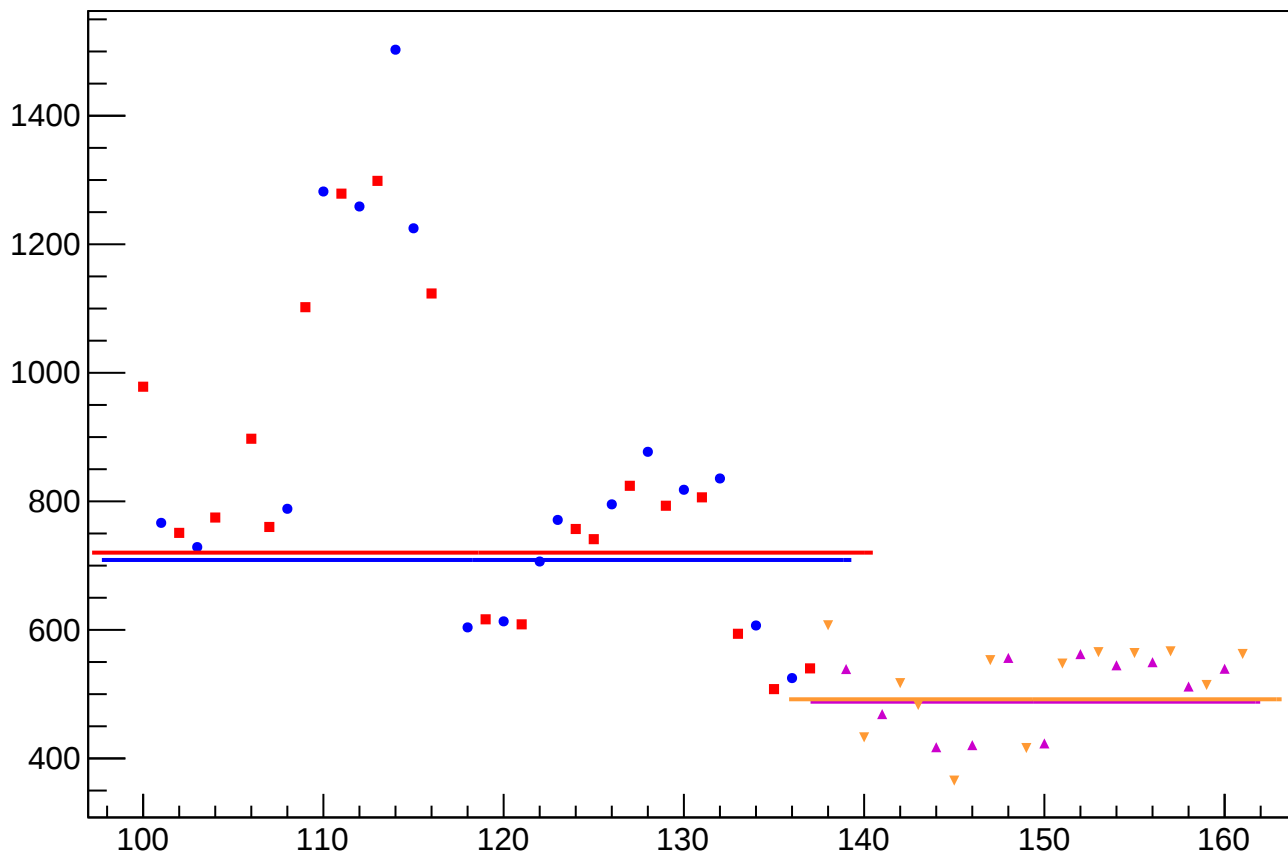
Right Out: 246.386 ± 279.451 χ^2/NDF : 15.9/18

Left In: 311.048 ± 164.830 χ^2/NDF : 9.9/10

491.812 ± 139.378 χ^2/NDF : 33.5/29

294.358 ± 141.973 χ^2/NDF : 25.8/29

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784+/-0.201 χ^2/NDF : 793538.1/16

Left Out: 492.019+/-0.113 χ^2/NDF : 462270.8/12

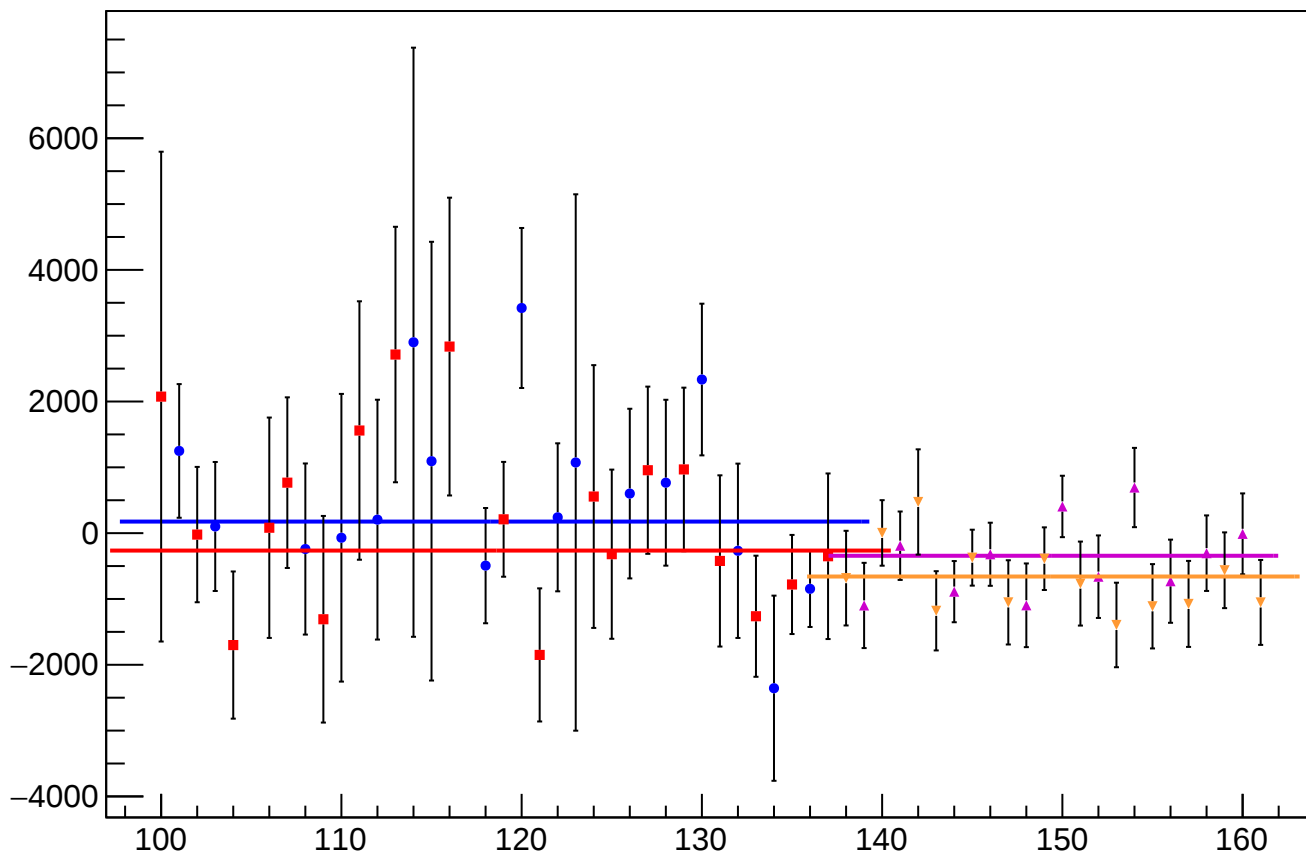
Right Out: 720.201+/-0.198 χ^2/NDF : 899934.4/18

Left In: 488.257+/-0.117 χ^2/NDF : 252863.6/10

544.323+/-0.099 χ^2/NDF : 2141411.0/29

548.123+/-0.100 χ^2/NDF : 2174976.9/29

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 ± 287.218 χ^2/NDF : 19.7/16

Left Out: -658.902 ± 162.715 χ^2/NDF : 8.3/12

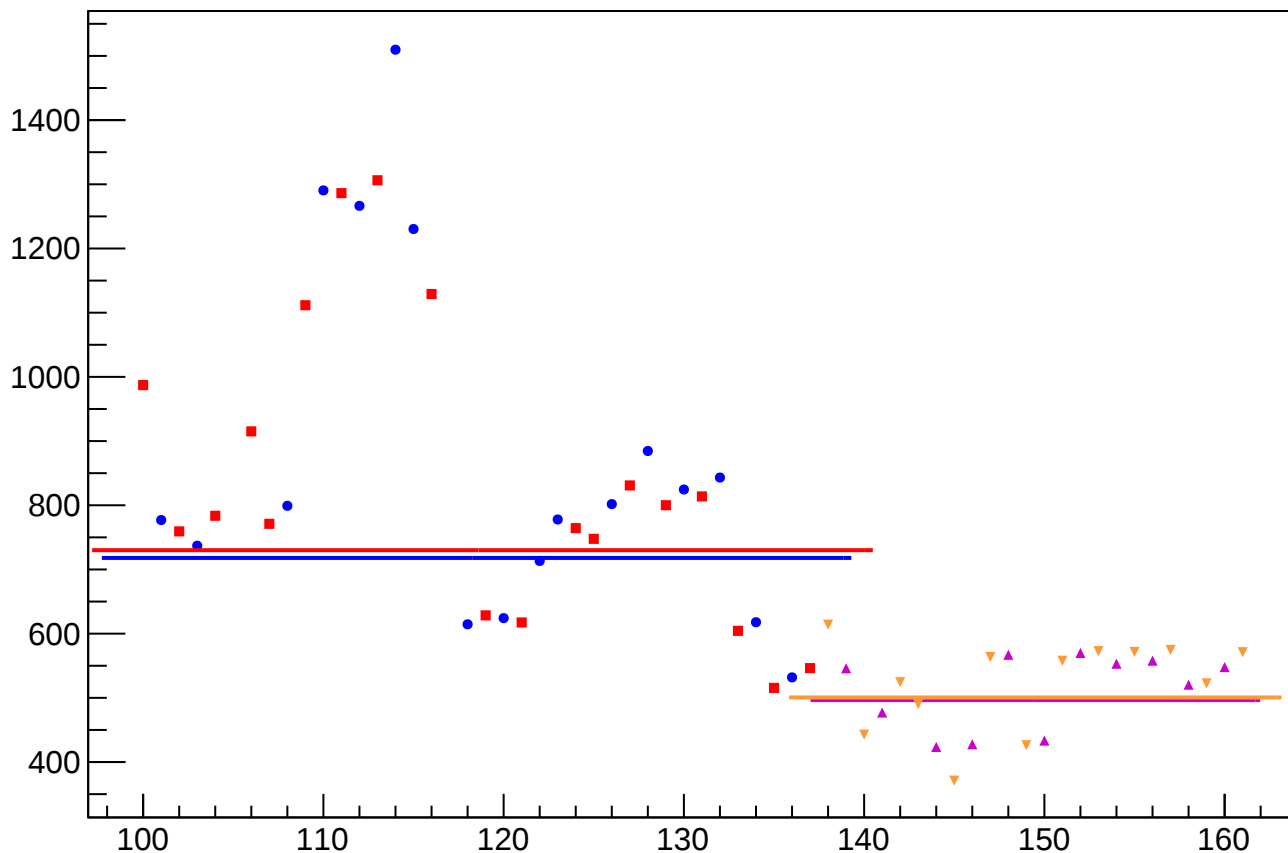
Right Out: -264.622 ± 283.074 χ^2/NDF : 14.8/18

Left In: -343.630 ± 167.561 χ^2/NDF : 10.7/10

-456.084 ± 141.575 χ^2/NDF : 34.5/29

-323.130 ± 144.193 χ^2/NDF : 25.6/29

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 500.598+/-0.115 χ^2/NDF : 451599.8/12

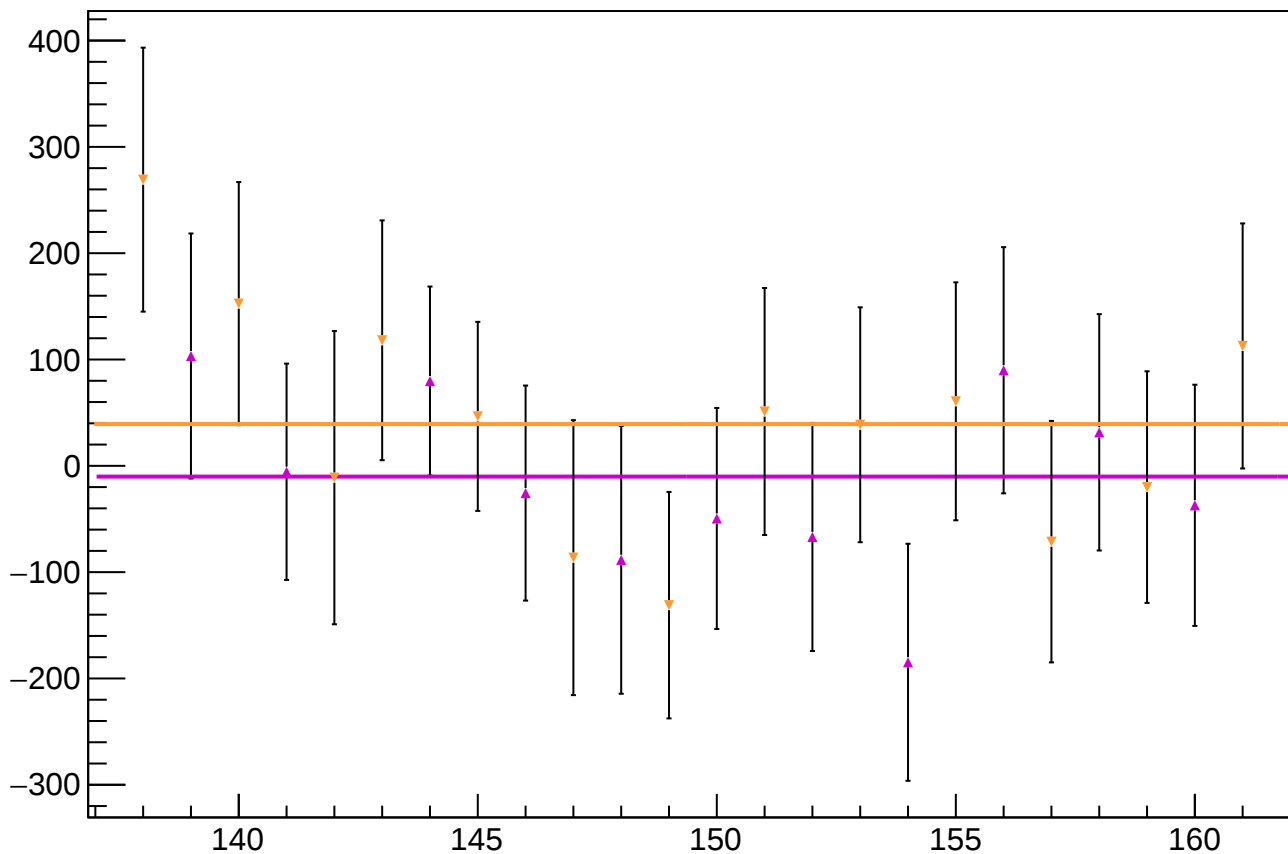
Right Out: 730.040+/-0.200 χ^2/NDF : 881842.0/18

Left In: 496.503+/-0.118 χ^2/NDF : 247802.3/10

553.413+/-0.100 χ^2/NDF : 2097421.7/29

557.099+/-0.102 χ^2/NDF : 2137702.1/29

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 39.284+/-31.311 χ^2/NDF : 10.2/12

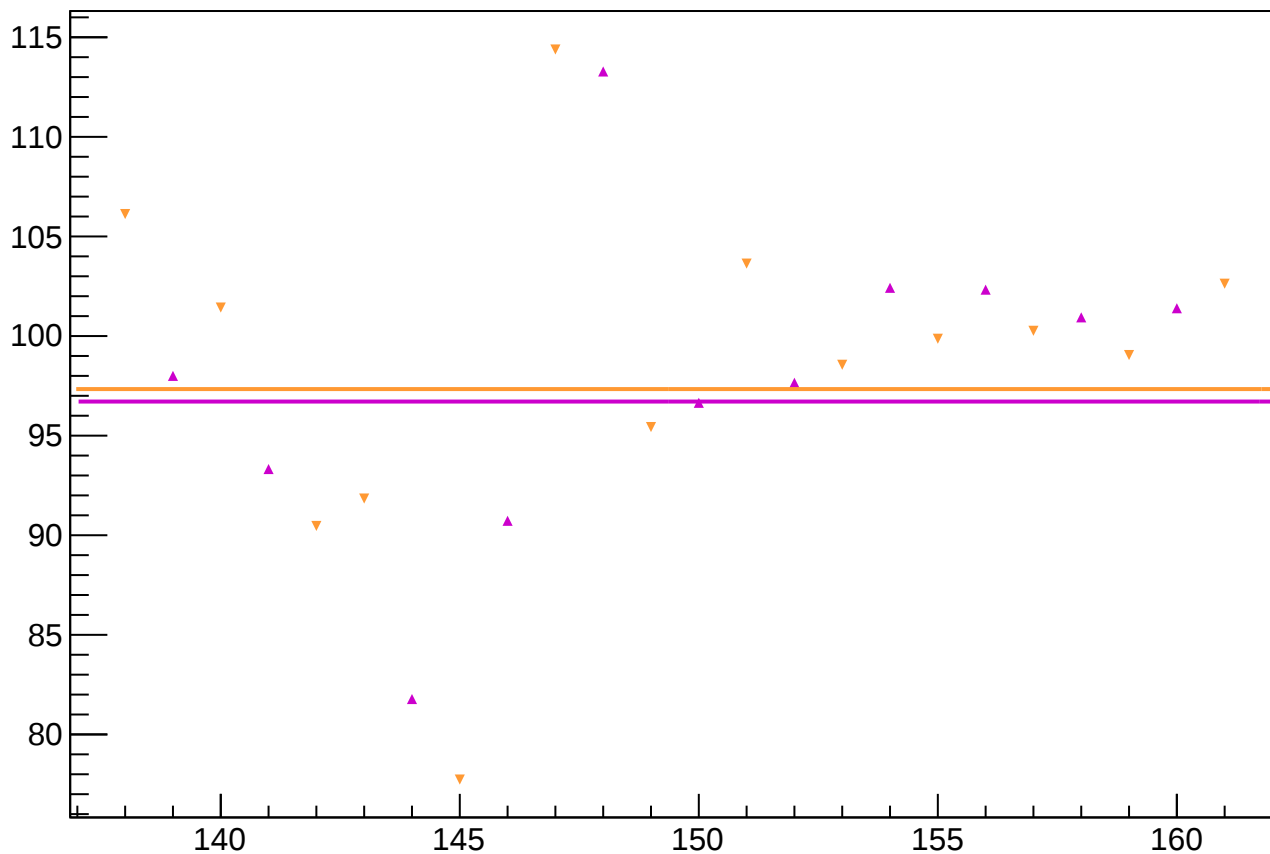
39.284+/-31.311 χ^2/NDF : 10.2/12

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

-10.120+/-32.403 χ^2/NDF : 6.2/10

Left In: -10.120+/-32.403 χ^2/NDF : 6.2/10

reg_asym_sam_1548_avg_rms vs Slug



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

Left Out: 97.338+/-0.022 χ^2/NDF :168090.3/12

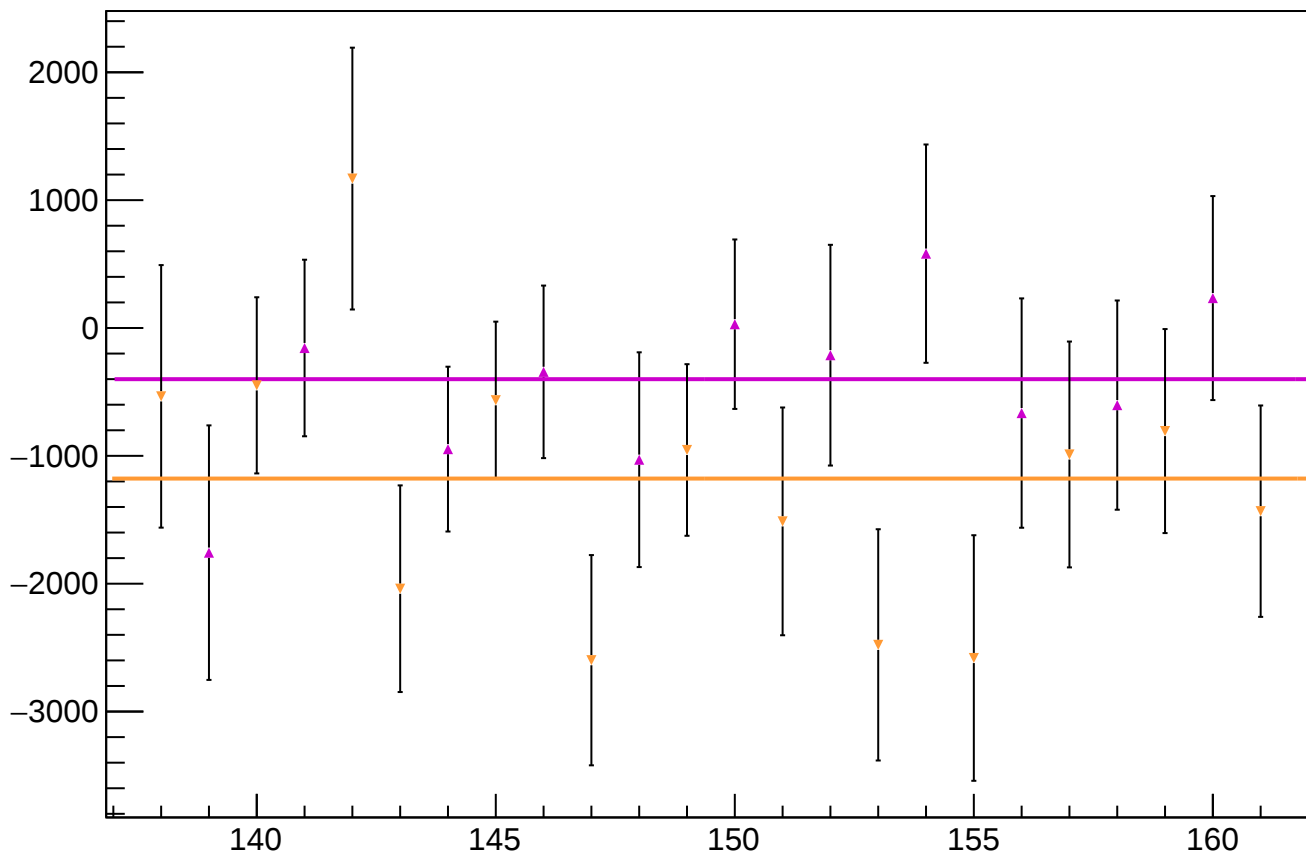
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 96.711+/-0.023 χ^2/NDF :116962.7/10

97.338+/-0.022 χ^2/NDF : 168090.3/12

96.711+/-0.023 χ^2/NDF : 116962.7/10

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -1177.743+/-224.912 χ^2/NDF : 16.7/12

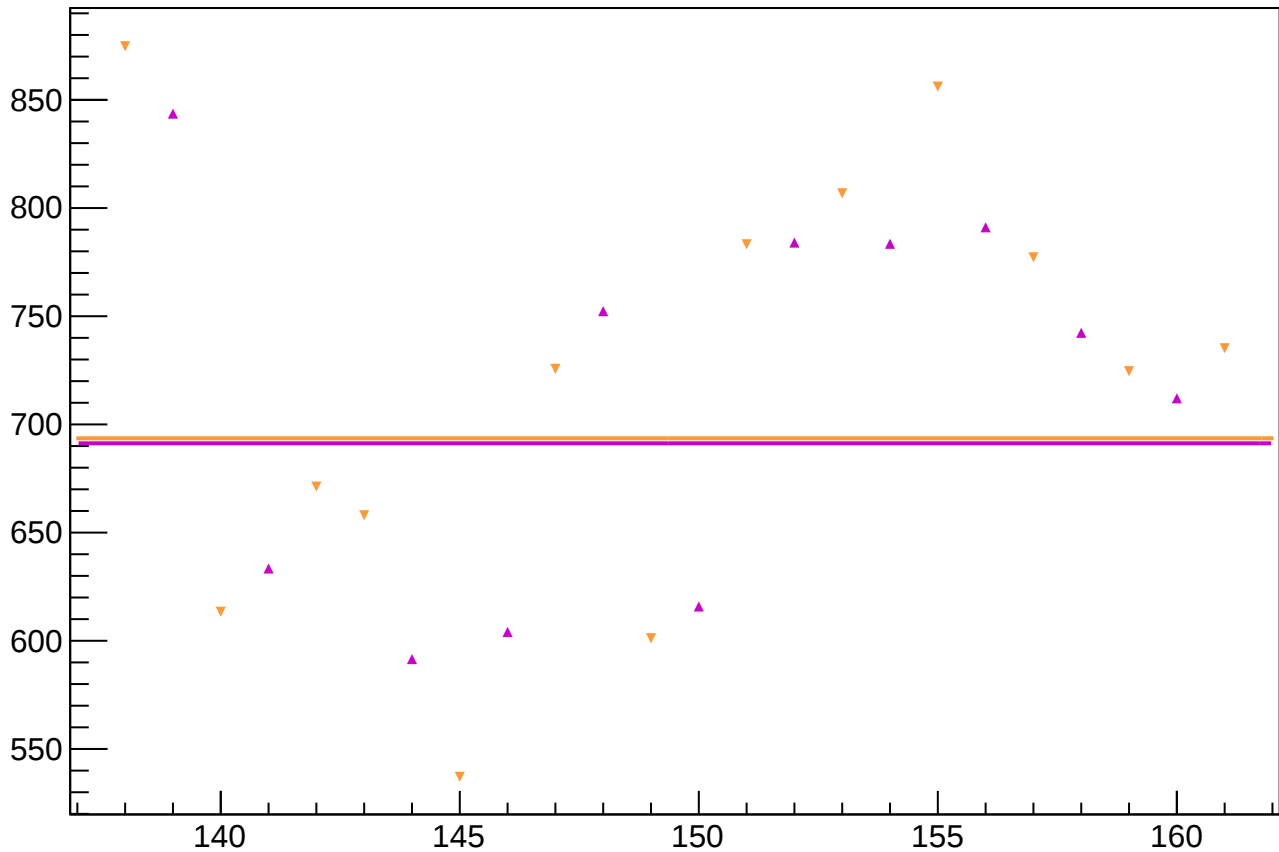
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -400.278+/-232.965 χ^2/NDF : 5.8/10

-1177.743+/-224.912 χ^2/NDF : 16.7/12

-400.278+/-232.965 χ^2/NDF : 5.8/10

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 693.580+/-0.159 χ^2/NDF : 399676.4/12

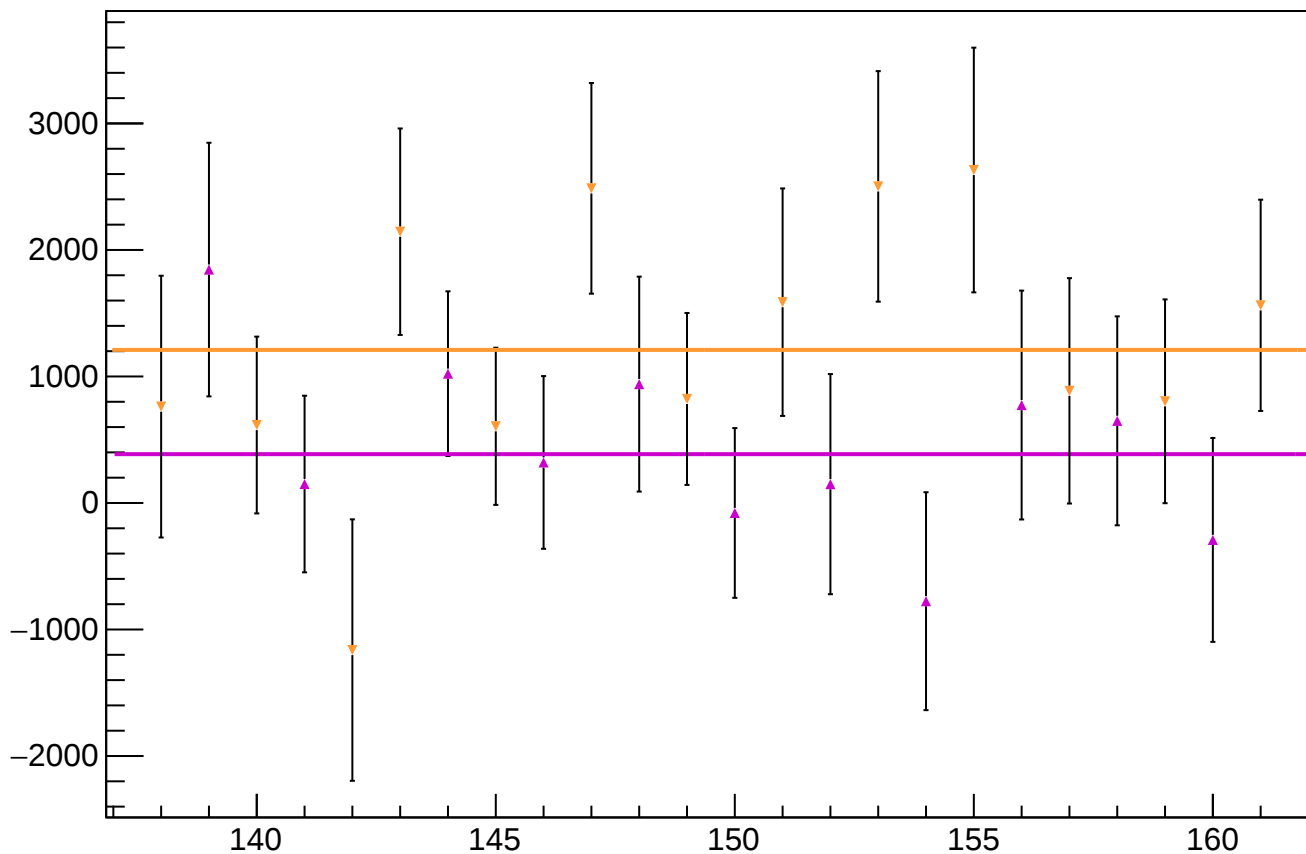
693.580+/-0.159 χ^2/NDF : 399676.4/12

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

691.268+/-0.165 χ^2/NDF : 259011.5/10

Left In: 691.268+/-0.165 χ^2/NDF : 259011.5/10

asym_sam_1548_avg_mean vs Slug



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

Left Out: 1209.924+/-227.221 χ^2/NDF : 16.0/12

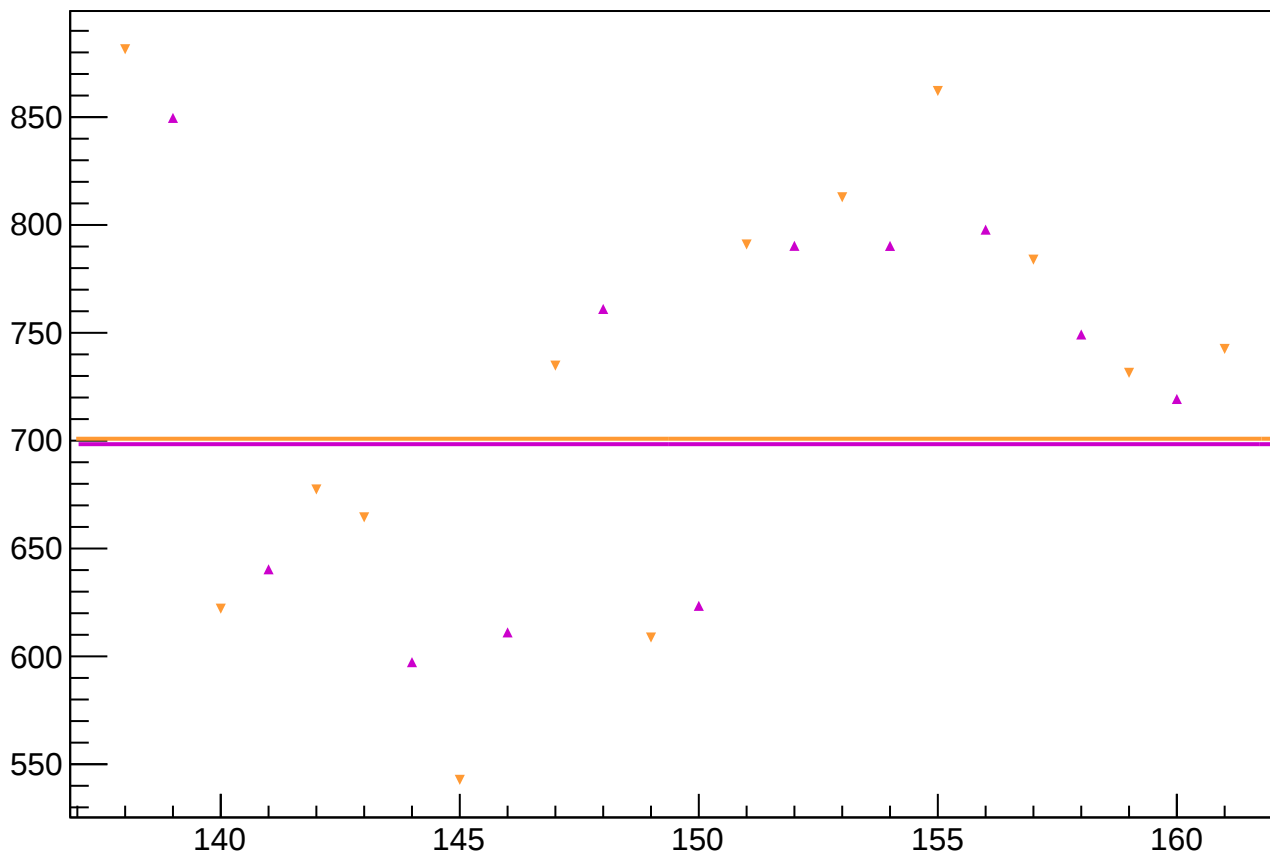
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 385.956+/-235.309 χ^2/NDF : 7.0/10

1209.924+/-227.221 χ^2/NDF : 16.0/12

385.956+/-235.309 χ^2/NDF : 7.0/10

asym_sam_1548_avg_rms vs Slug



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

Left Out: 700.899+/-0.161 χ^2/NDF : 392202.0/12

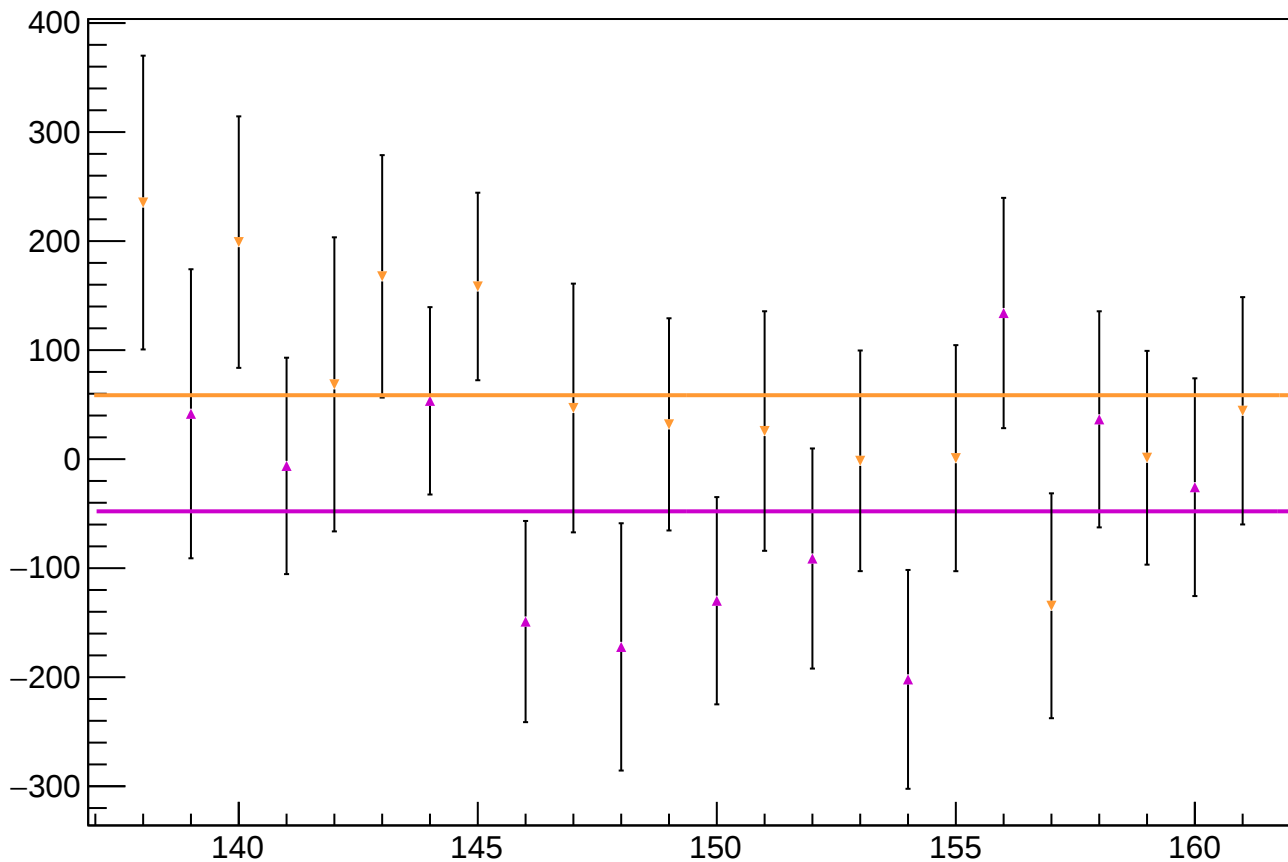
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 698.368+/-0.166 χ^2/NDF : 254367.9/10

700.899+/-0.161 χ^2/NDF : 392202.0/12

698.368+/-0.166 χ^2/NDF : 254367.9/10

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 58.645+/-29.522 χ^2/NDF :10.2/12

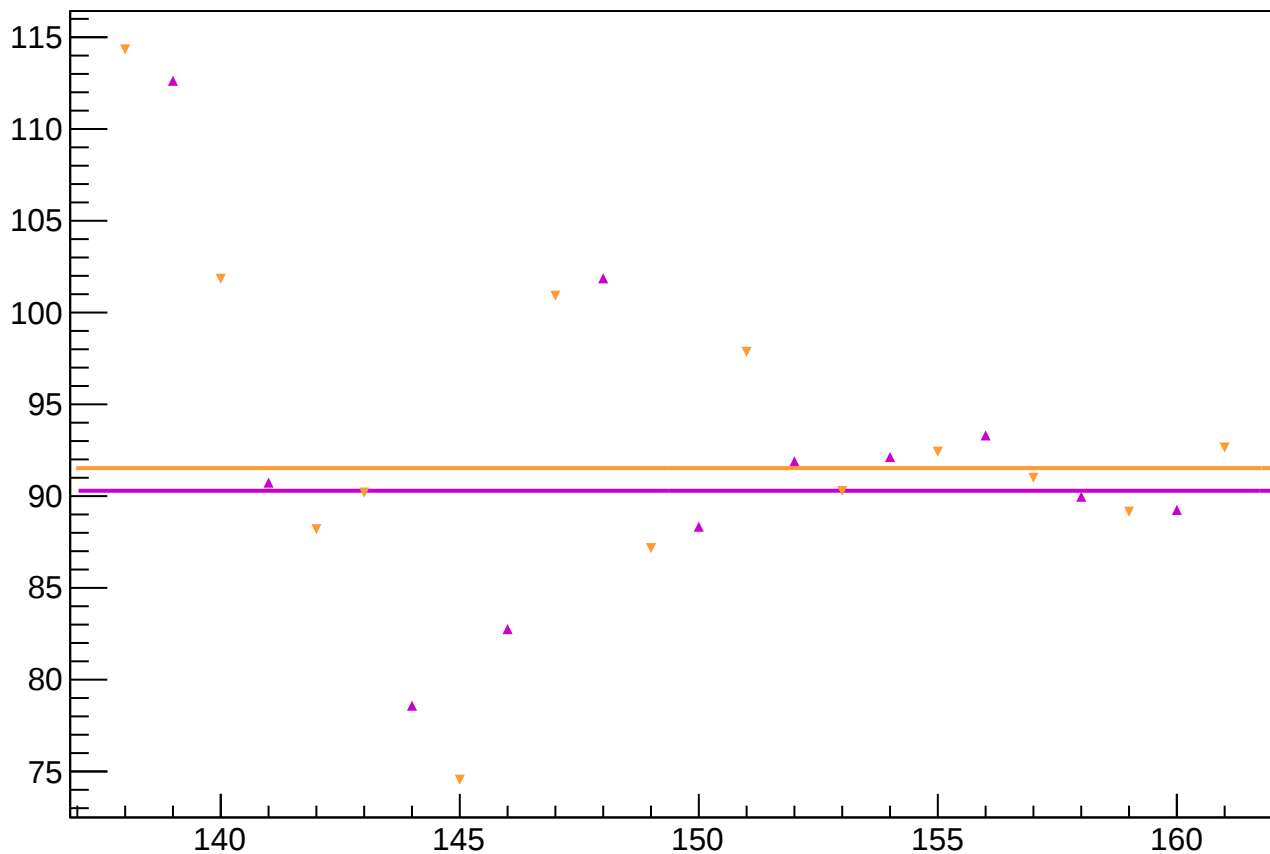
58.645+/-29.522 χ^2/NDF : 10.2/12

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

Left In: -47.865+/-30.304 χ^2/NDF :11.5/10

-47.865+/-30.304 χ^2/NDF : 11.5/10

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 91.525+/-0.021 χ^2/NDF :178870.0/12

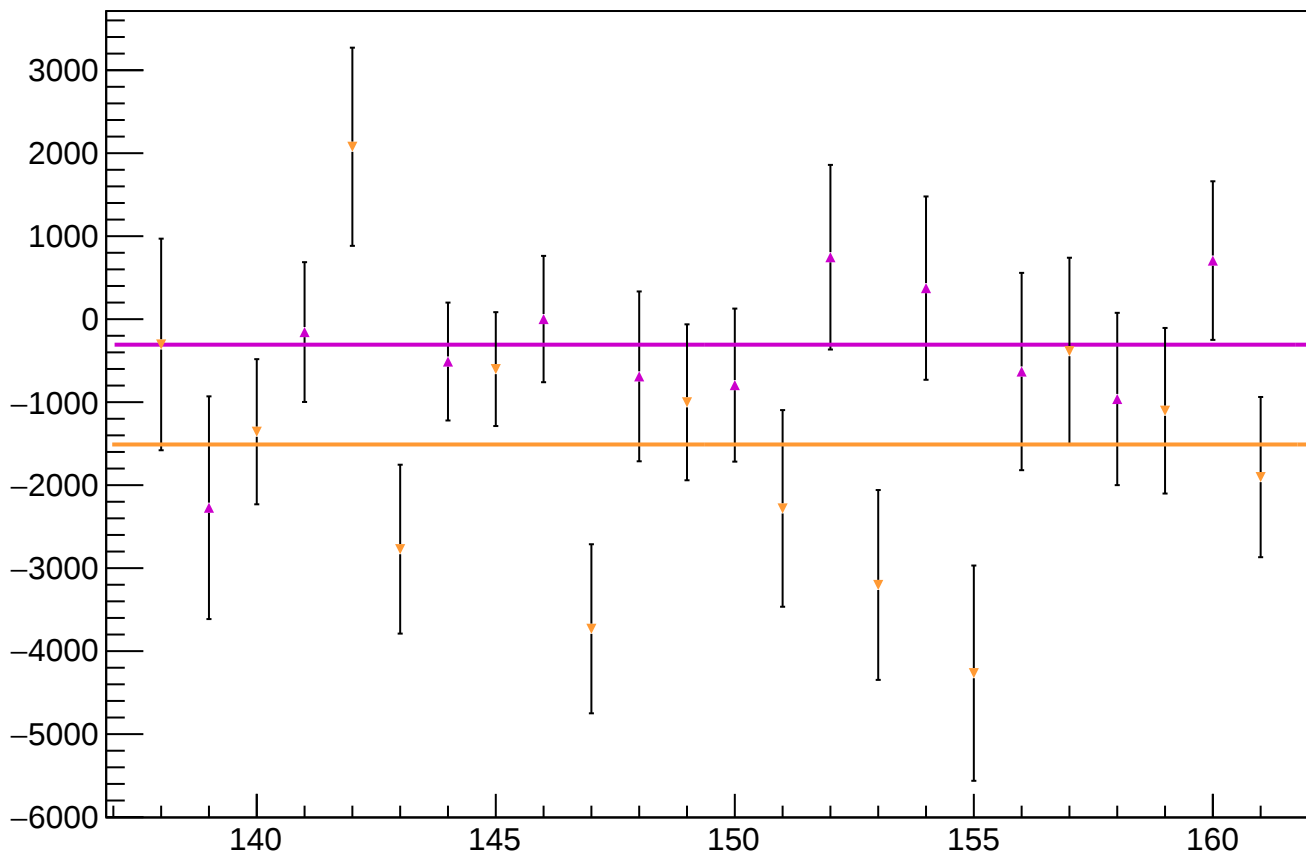
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 90.292+/-0.021 χ^2/NDF :131996.8/10

91.525+/-0.021 χ^2/NDF : 178870.0/12

90.292+/-0.021 χ^2/NDF : 131996.8/10

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -1509.903+/-280.052 χ^2/NDF : 26.7/12

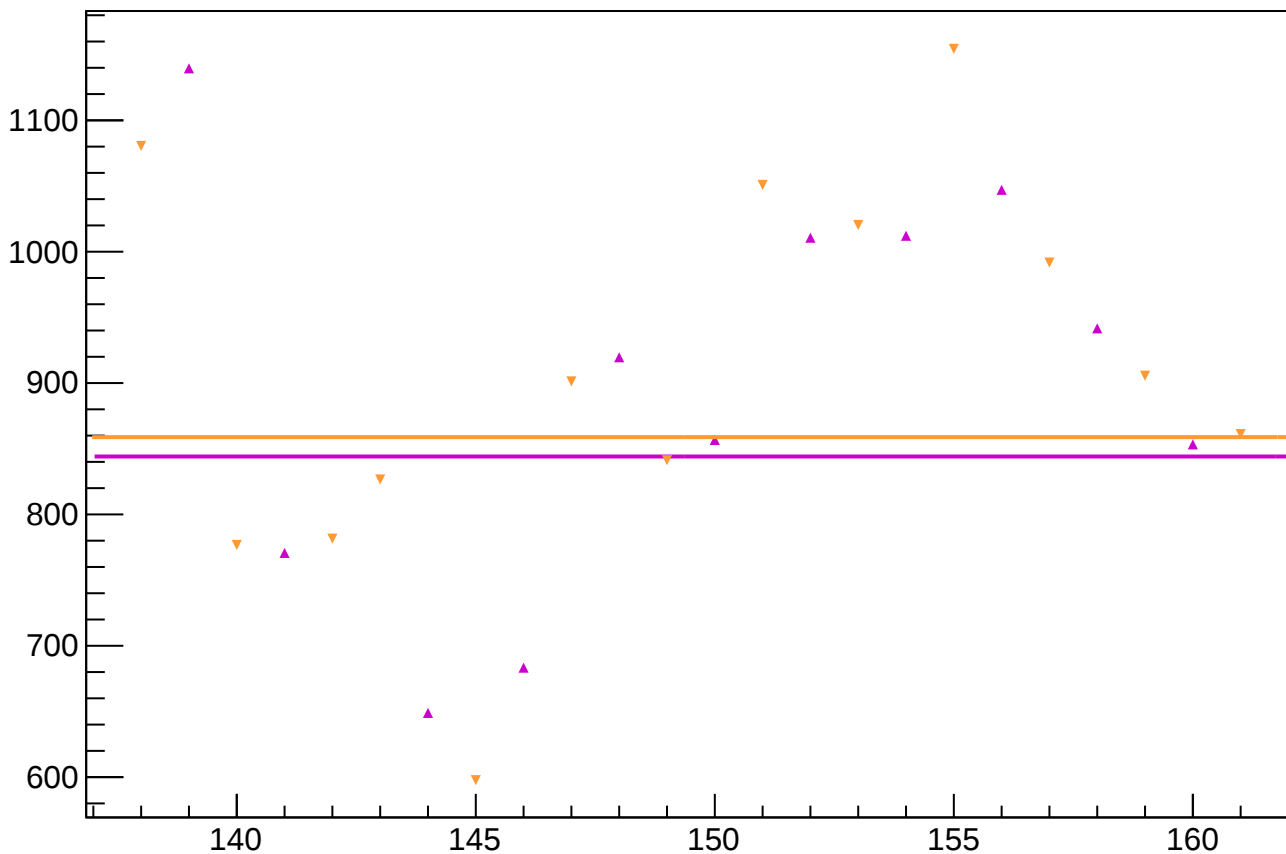
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -307.346+/-286.728 χ^2/NDF : 5.7/10

-1509.903+/-280.052 χ^2/NDF : 26.7/12

-307.346+/-286.728 χ^2/NDF : 5.7/10

asym_sam_3748_avg_correction_rms vs Slug



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

Left Out: 858.838+/-0.198 χ^2/NDF : 610991.1/12

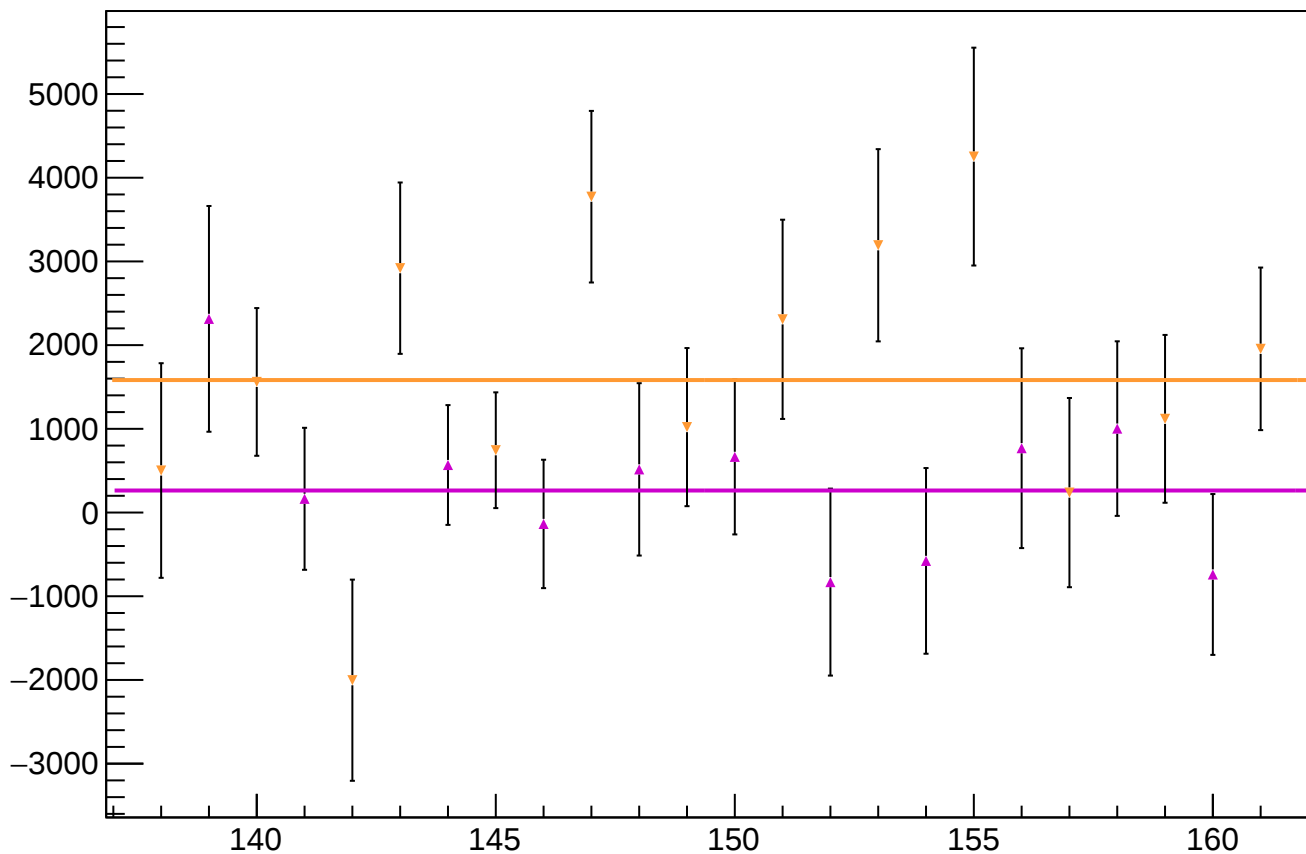
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 844.092+/-0.203 χ^2/NDF : 531039.3/10

858.838+/-0.198 χ^2/NDF : 610991.1/12

844.092+/-0.203 χ^2/NDF : 531039.3/10

asym_sam_3748_avg_mean vs Slug



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

Left Out: 1582.725+/-281.756 χ^2/NDF : 26.0/12

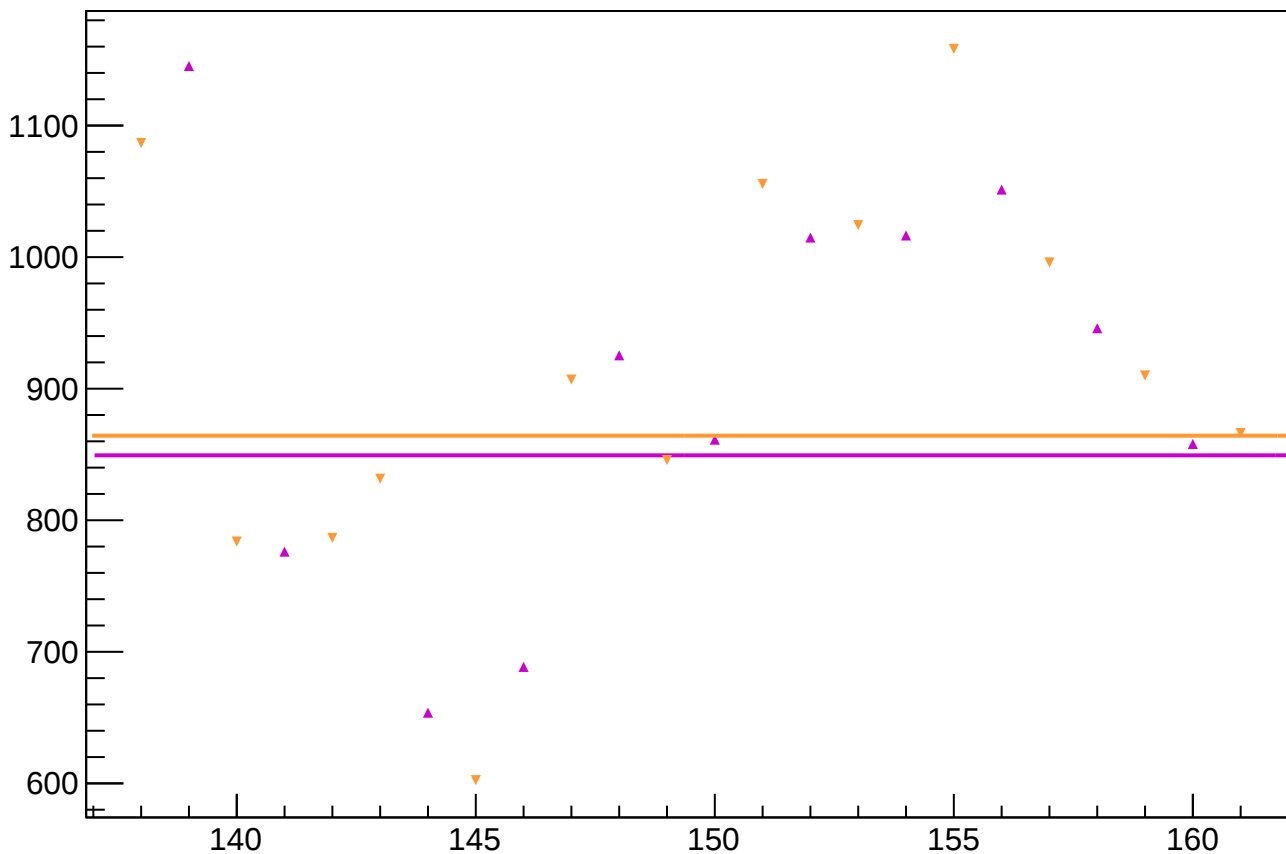
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 263.235+/-288.440 χ^2/NDF : 6.3/10

1582.725+/-281.756 χ^2/NDF : 26.0/12

263.235+/-288.440 χ^2/NDF : 6.3/10

asym_sam_3748_avg_rms vs Slug



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

Left Out: 864.281+/-0.199 χ^2/NDF : 602171.2/12

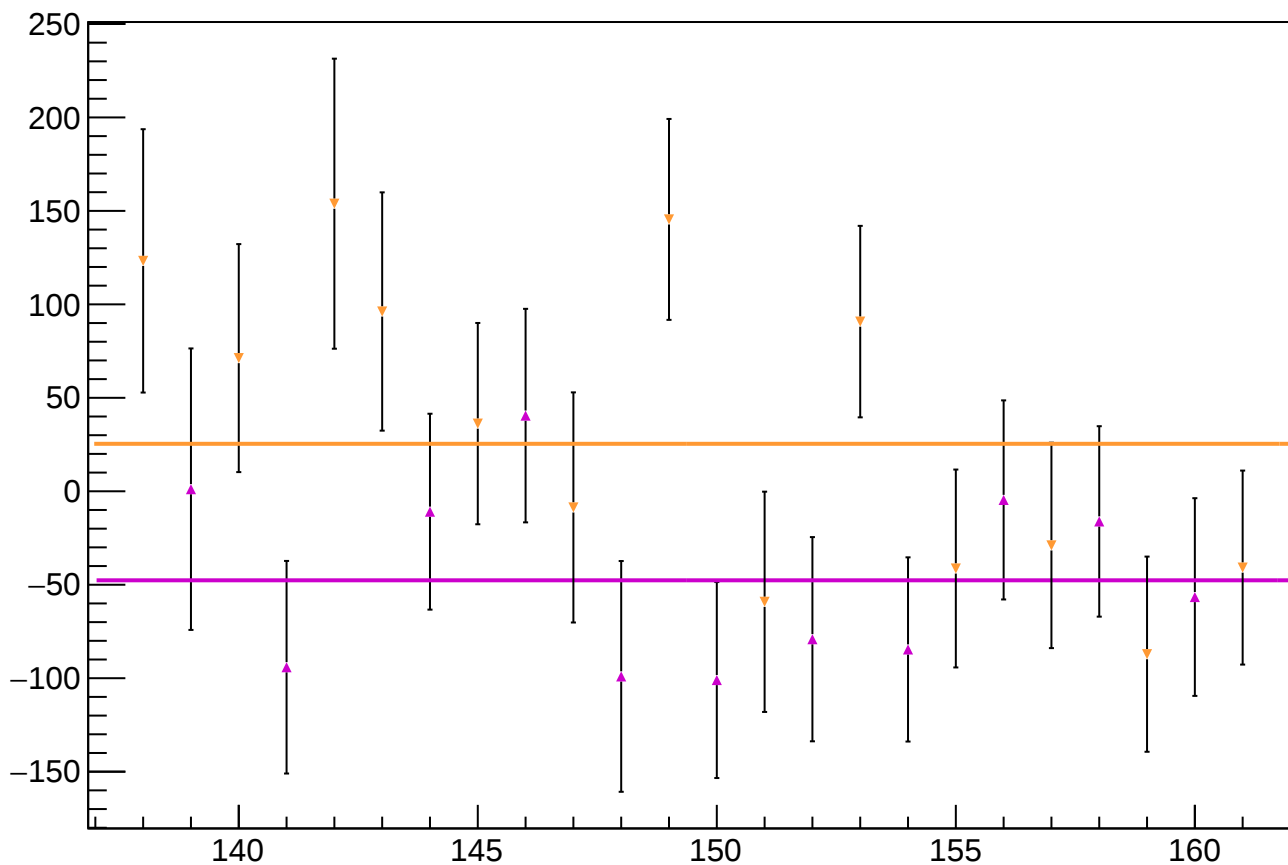
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 849.334+/-0.204 χ^2/NDF : 523739.3/10

864.281+/-0.199 χ^2/NDF : 602171.2/12

849.334+/-0.204 χ^2/NDF : 523739.3/10

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 25.398+/-15.945 χ^2/NDF : 24.3/12

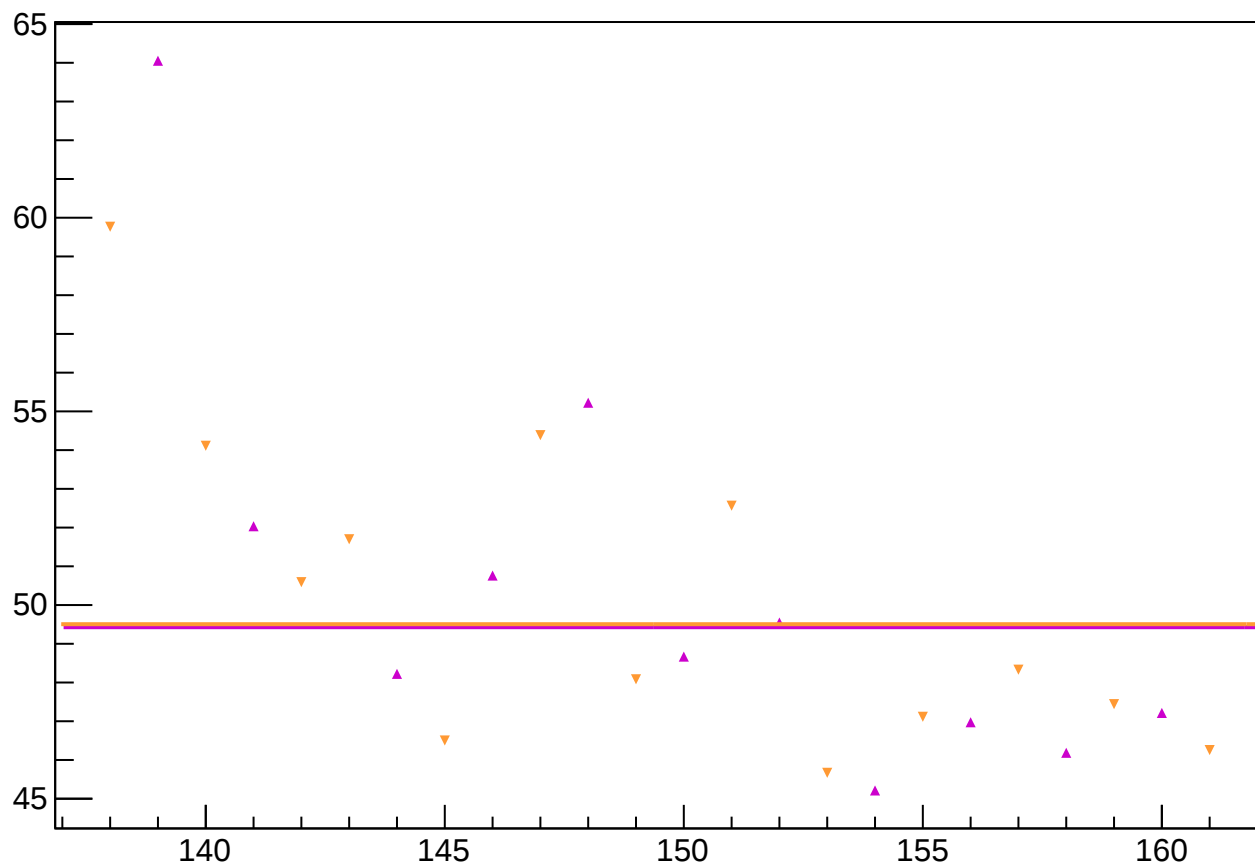
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -47.627+/-16.609 χ^2/NDF : 7.6/10

25.398+/-15.945 χ^2/NDF : 24.3/12

-47.627+/-16.609 χ^2/NDF : 7.6/10

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 49.505+/-0.011 χ^2/NDF :109385.8/12

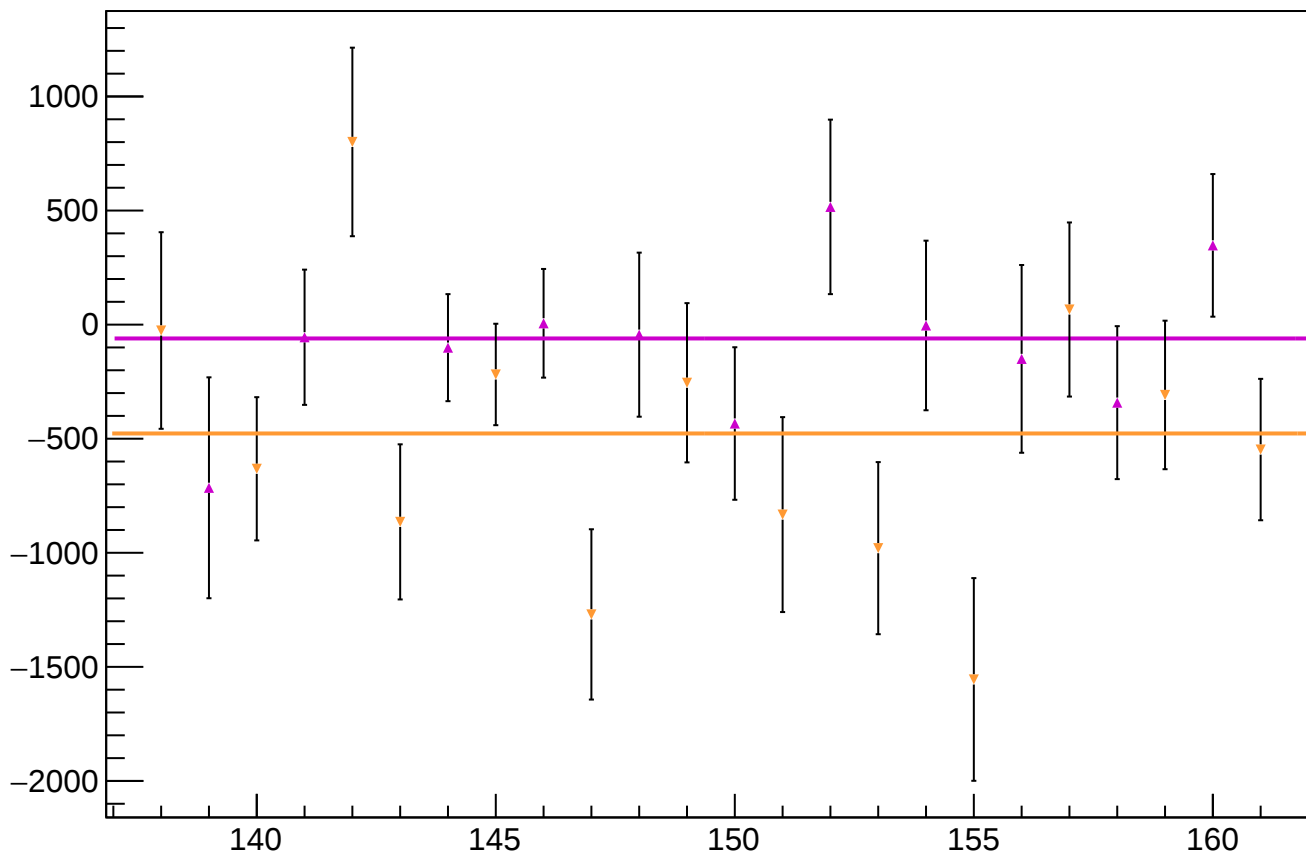
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 49.428+/-0.012 χ^2/NDF :130350.2/10

49.505+/-0.011 χ^2/NDF : 109385.8/12

49.428+/-0.012 χ^2/NDF : 130350.2/10

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -477.024+/-95.360 χ^2/NDF : 29.2/12

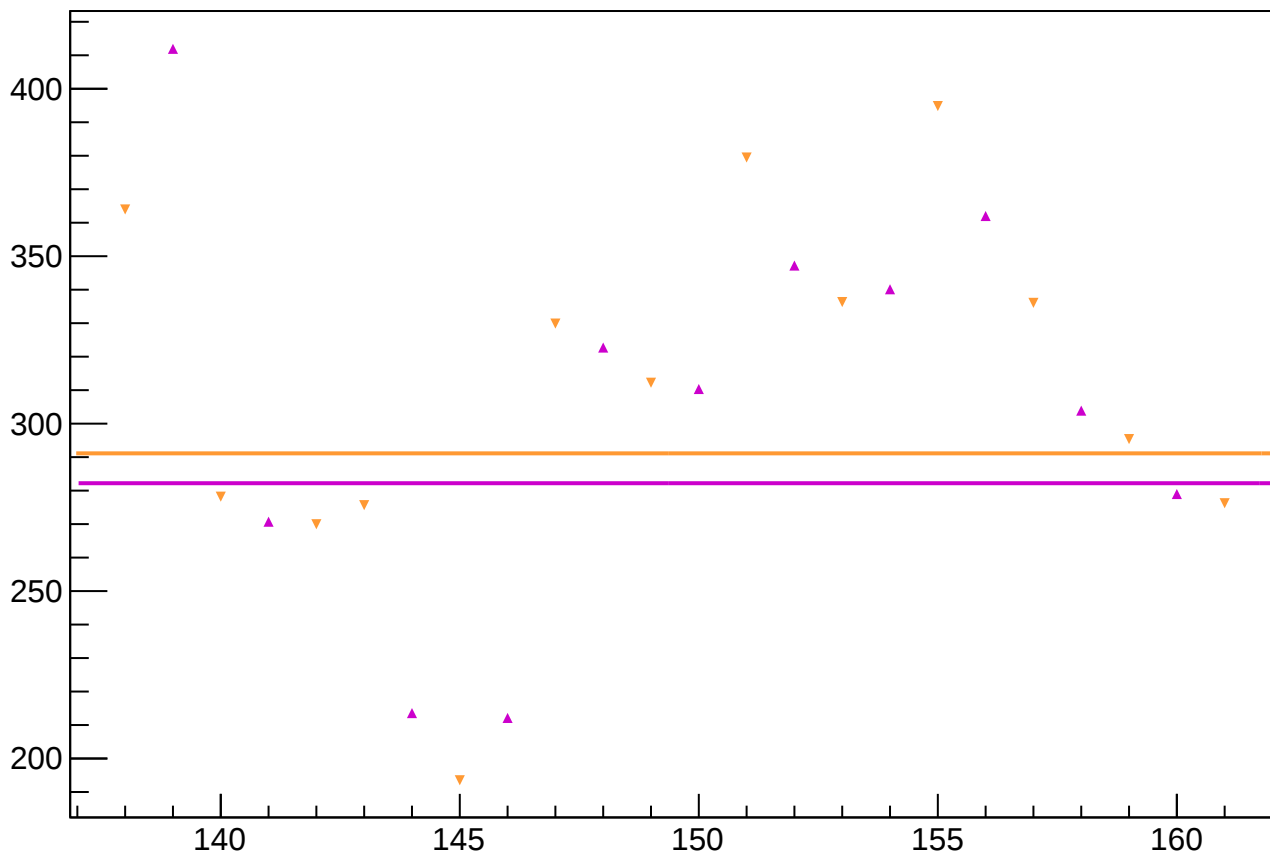
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -60.612+/-96.559 χ^2/NDF : 7.9/10

-477.024+/-95.360 χ^2/NDF : 29.2/12

-60.612+/-96.559 χ^2/NDF : 7.9/10

asym_sam_1526_avg_correction_rms vs Slug



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

Left Out: 291.129+/-0.067 χ^2/NDF : 740497.3/12

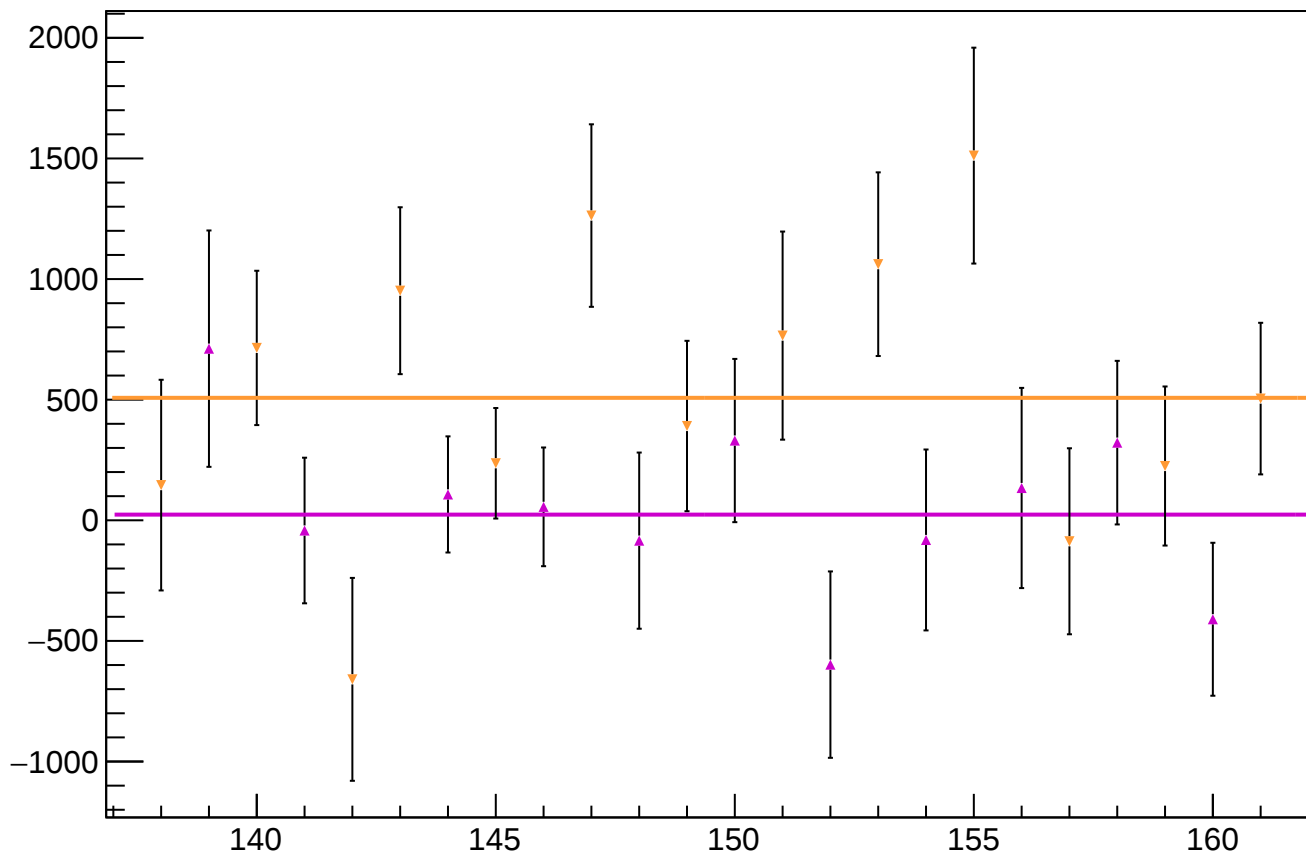
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 282.211+/-0.068 χ^2/NDF : 720760.8/10

291.129+/-0.067 χ^2/NDF : 740497.3/12

282.211+/-0.068 χ^2/NDF : 720760.8/10

asym_sam_1526_avg_mean vs Slug



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

Left Out: 507.682+/-96.941 χ^2/NDF : 26.6/12

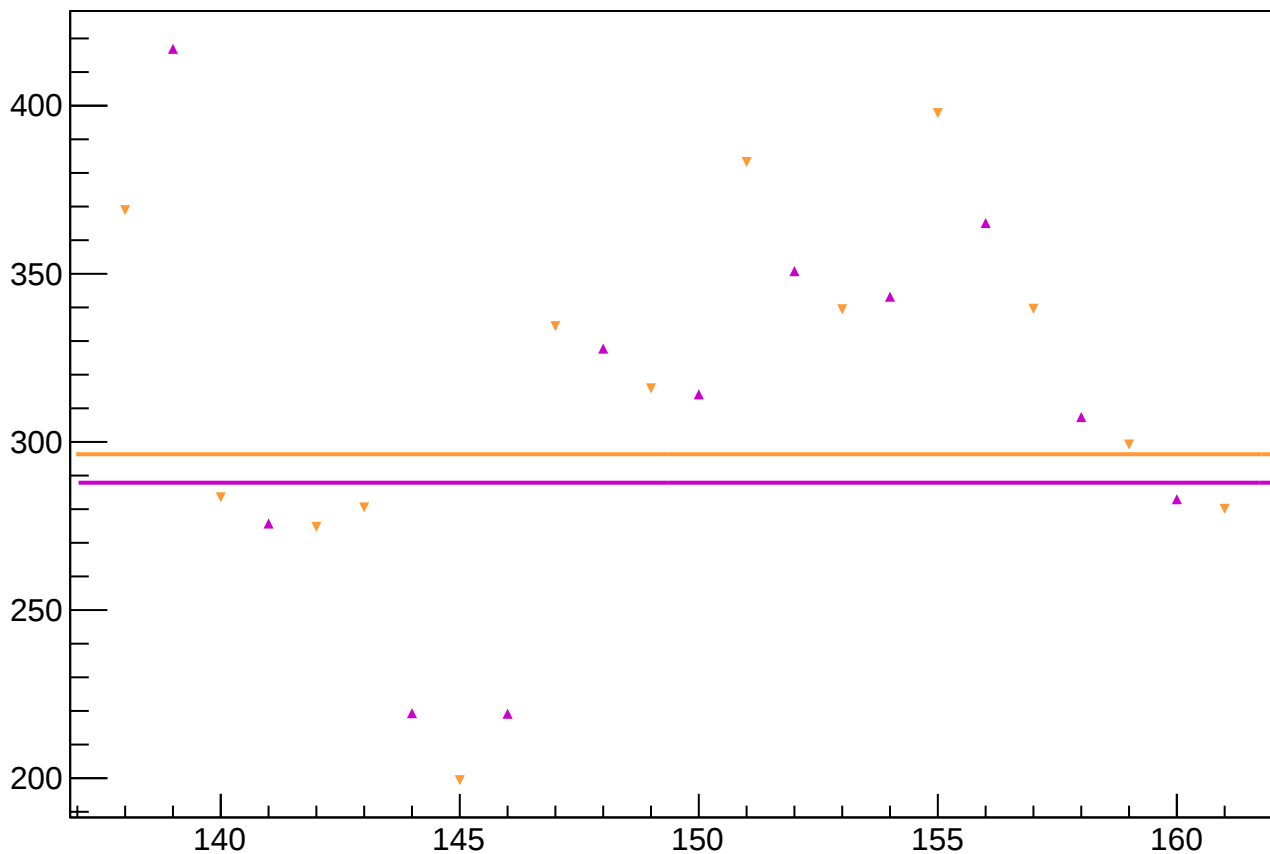
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 23.537+/-98.336 χ^2/NDF : 8.5/10

507.682+/-96.941 χ^2/NDF : 26.6/12

23.537+/-98.336 χ^2/NDF : 8.5/10

asym_sam_1526_avg_rms vs Slug



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

Left Out: 296.347+/-0.069 χ^2/NDF : 692829.1/12

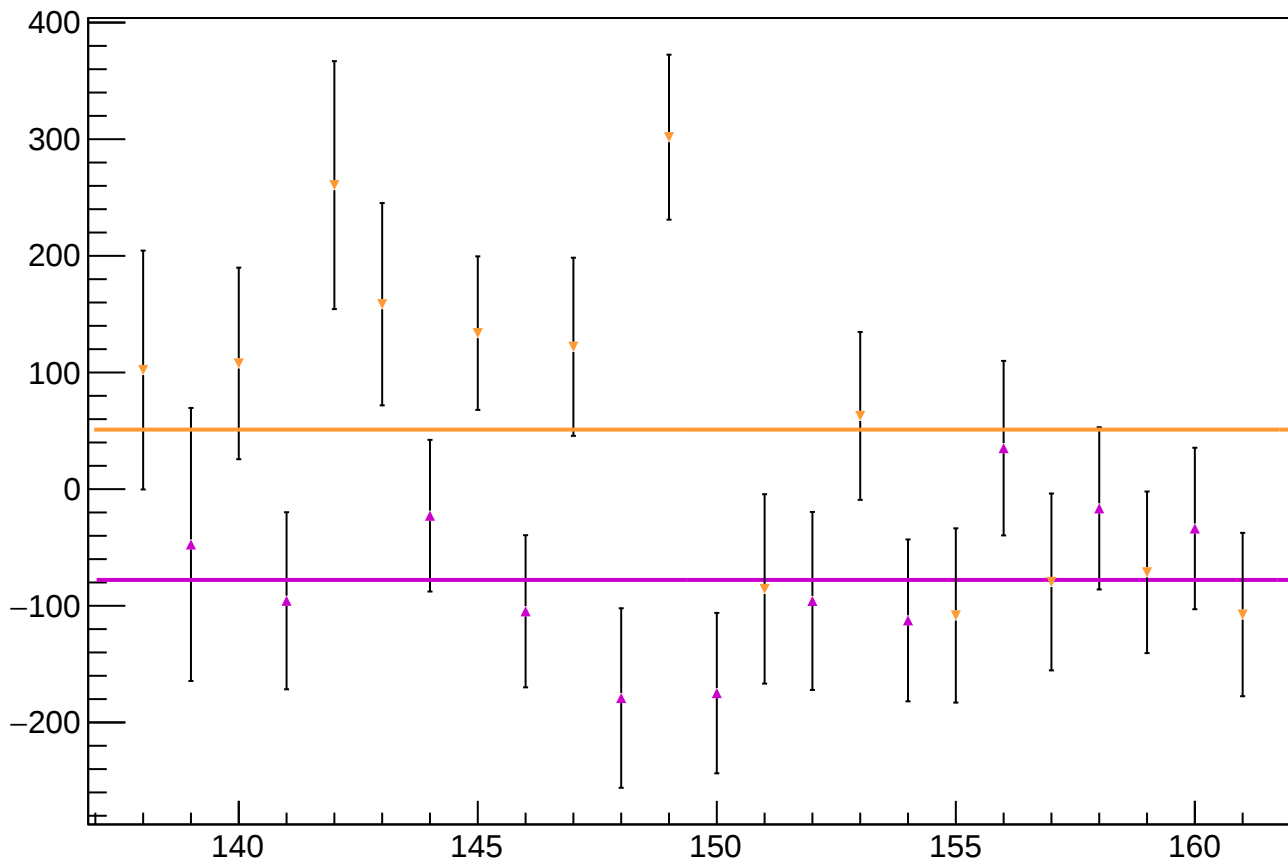
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 287.877+/-0.070 χ^2/NDF : 668902.4/10

296.347+/-0.069 χ^2/NDF : 692829.1/12

287.877+/-0.070 χ^2/NDF : 668902.4/10

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 51.029+/-21.430 χ^2/NDF : 39.8/12

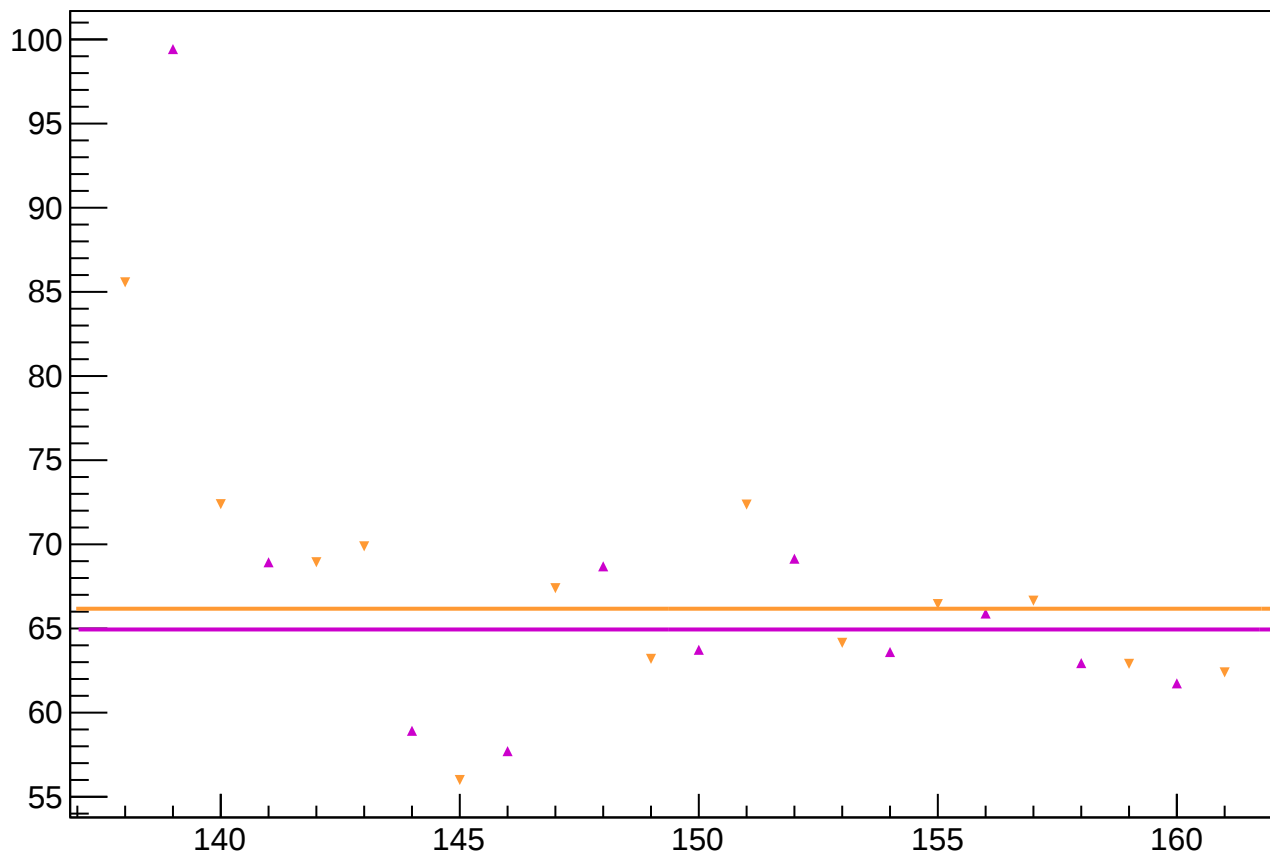
51.029+/-21.430 χ^2/NDF : 39.8/12

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

-77.818+/-21.966 χ^2/NDF : 8.5/10

Left In: -77.818+/-21.966 χ^2/NDF : 8.5/10

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 66.175+/-0.015 χ^2/NDF :163701.6/12

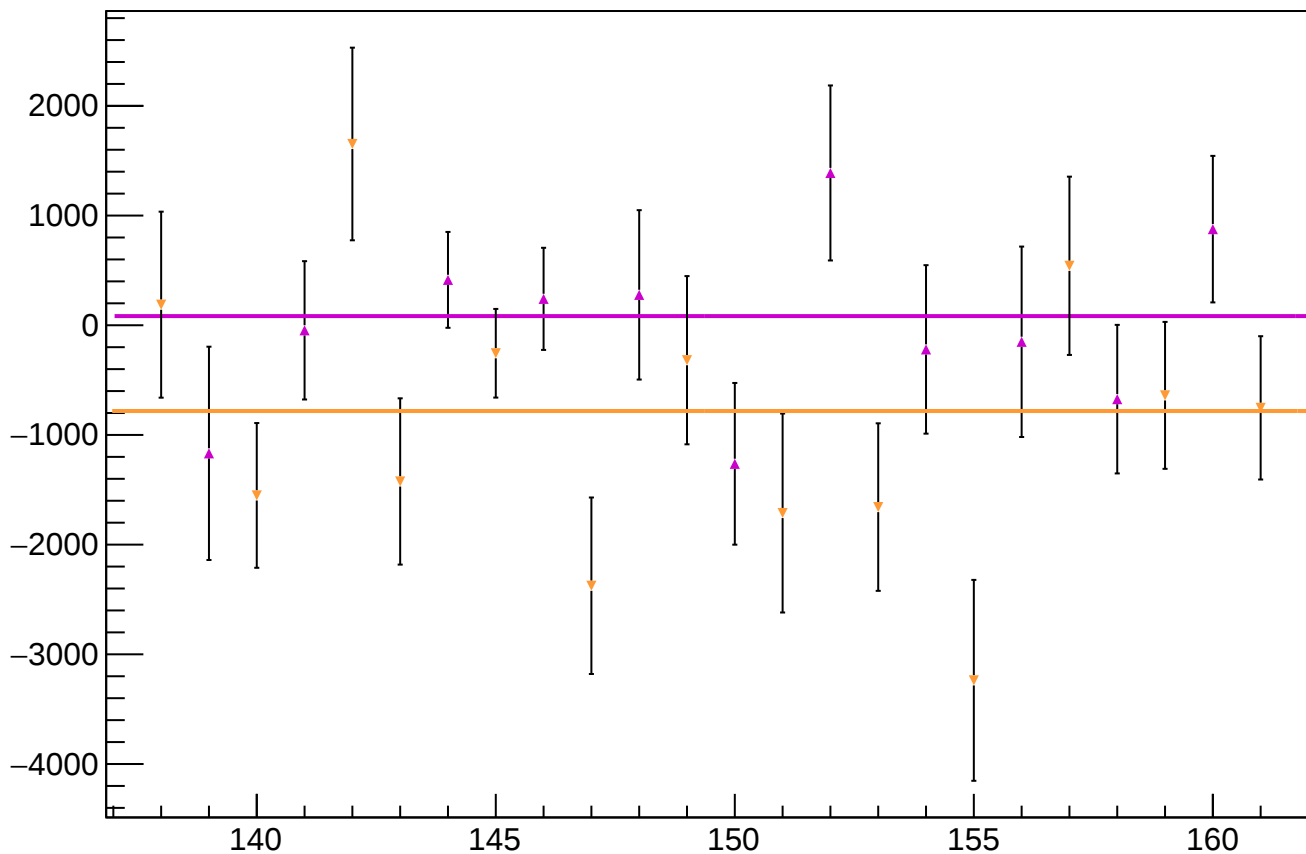
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 64.941+/-0.016 χ^2/NDF :239381.1/10

66.175+/-0.015 χ^2/NDF : 163701.6/12

64.941+/-0.016 χ^2/NDF : 239381.1/10

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -781.808+/-194.991 χ^2/NDF : 29.3/12

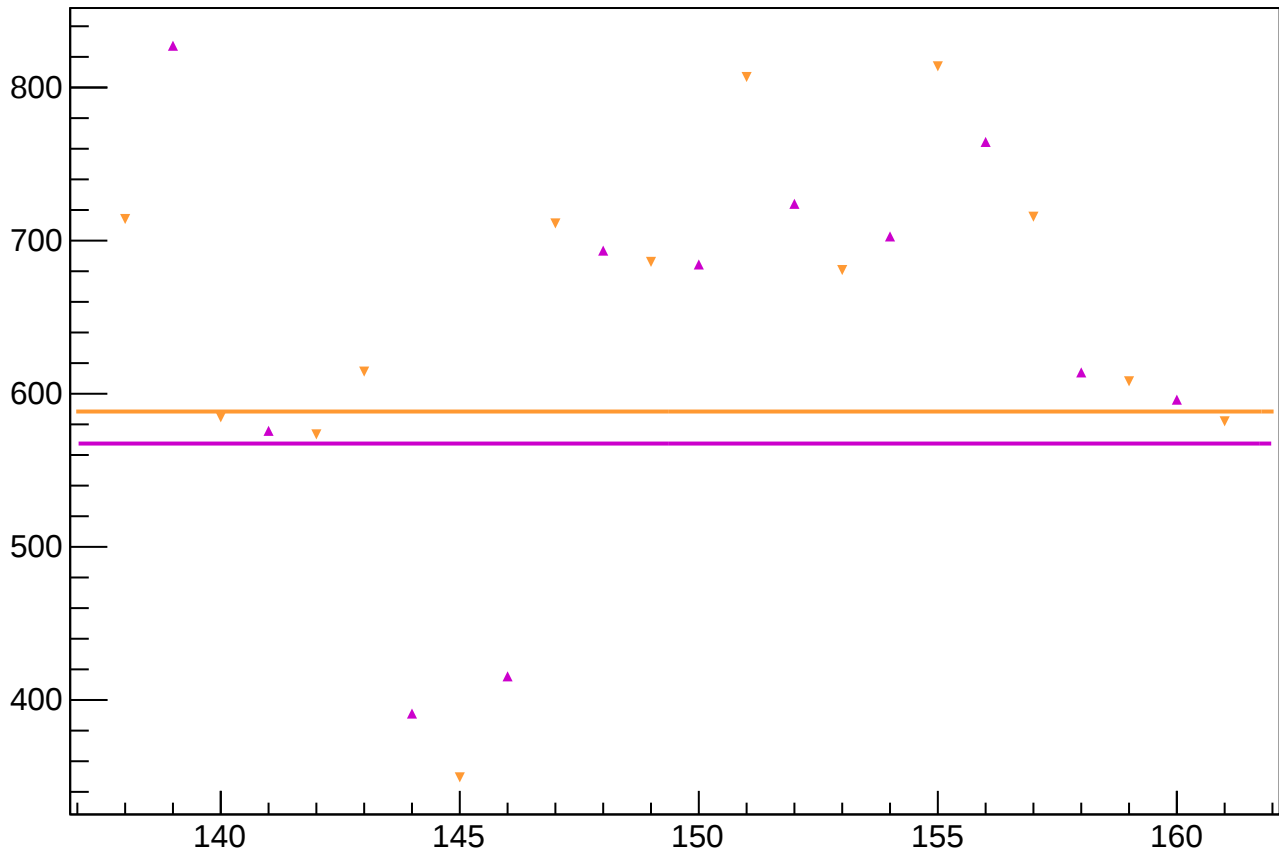
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 83.513+/-196.280 χ^2/NDF : 11.3/10

-781.808+/-194.991 χ^2/NDF : 29.3/12

83.513+/-196.280 χ^2/NDF : 11.3/10

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 588.392+/-0.138 χ^2/NDF :1142318.7/12

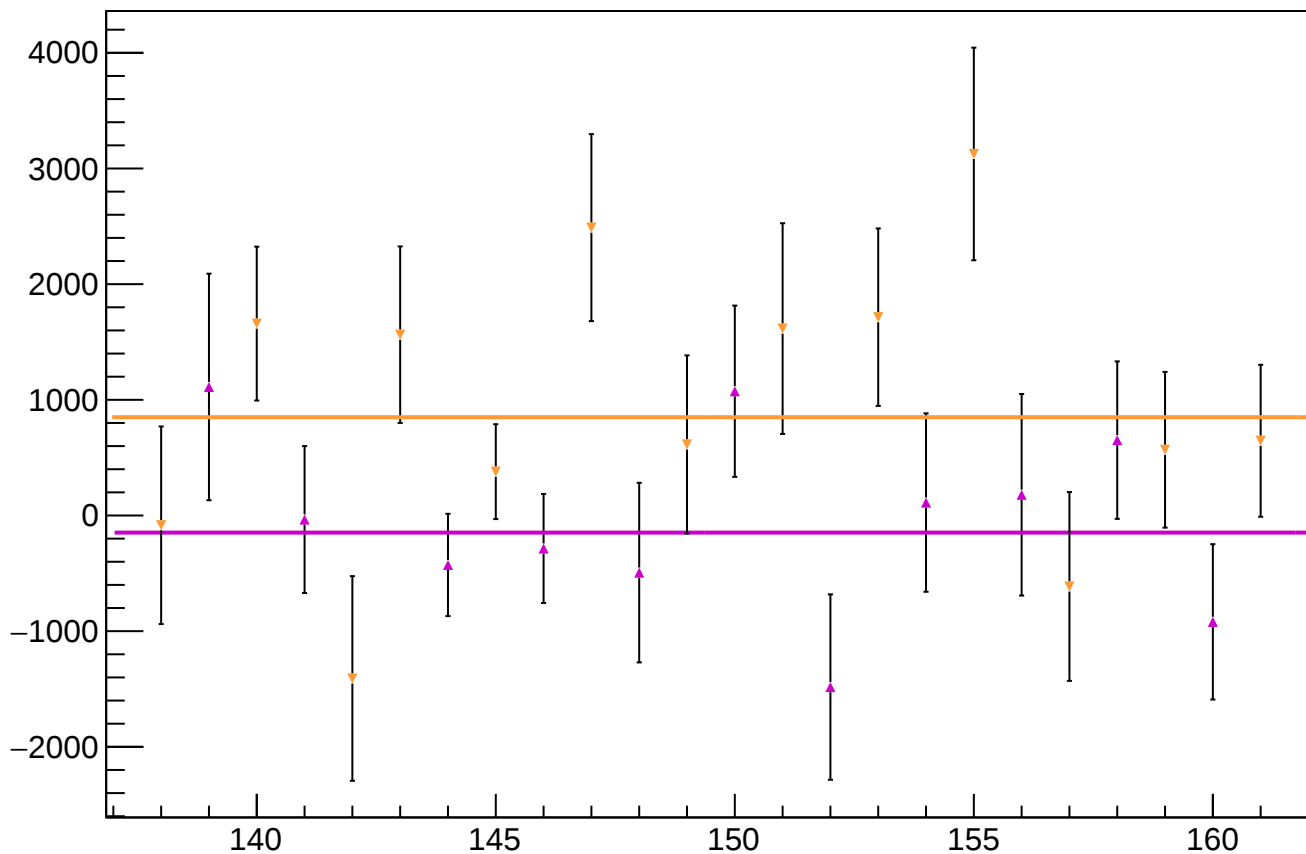
588.392+/-0.138 χ^2/NDF : 1142318.7/12

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

567.474+/-0.139 χ^2/NDF : 1040855.0/10

Left In: 567.474+/-0.139 χ^2/NDF :1040855.0/10

asym_sam_3726_avg_mean vs Slug



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

Left Out: 849.746+/-196.478 χ^2/NDF : 27.2/12

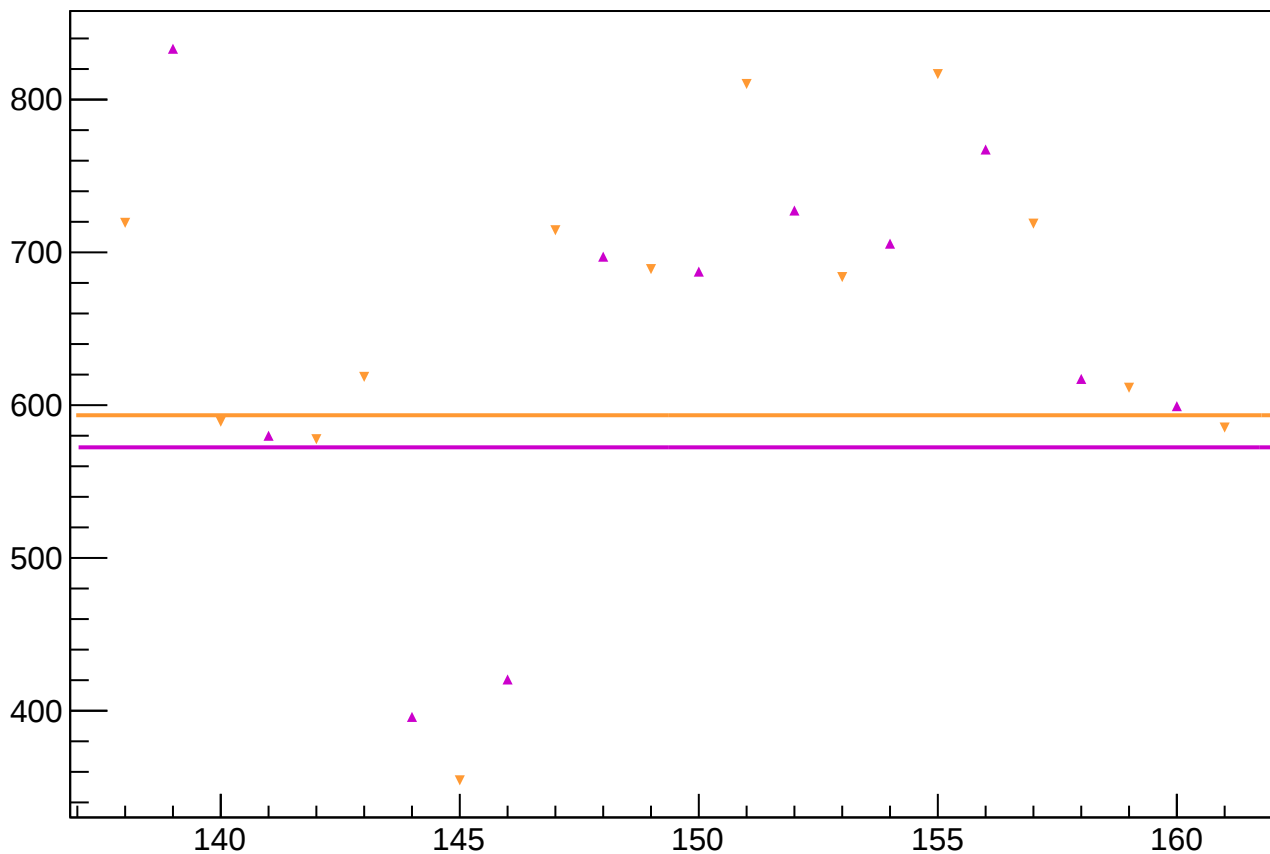
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -147.879+/-197.824 χ^2/NDF : 10.8/10

849.746+/-196.478 χ^2/NDF : 27.2/12

-147.879+/-197.824 χ^2/NDF : 10.8/10

asym_sam_3726_avg_rms vs Slug



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

Left Out: 593.398+/-0.139 χ^2/NDF :1109430.7/12

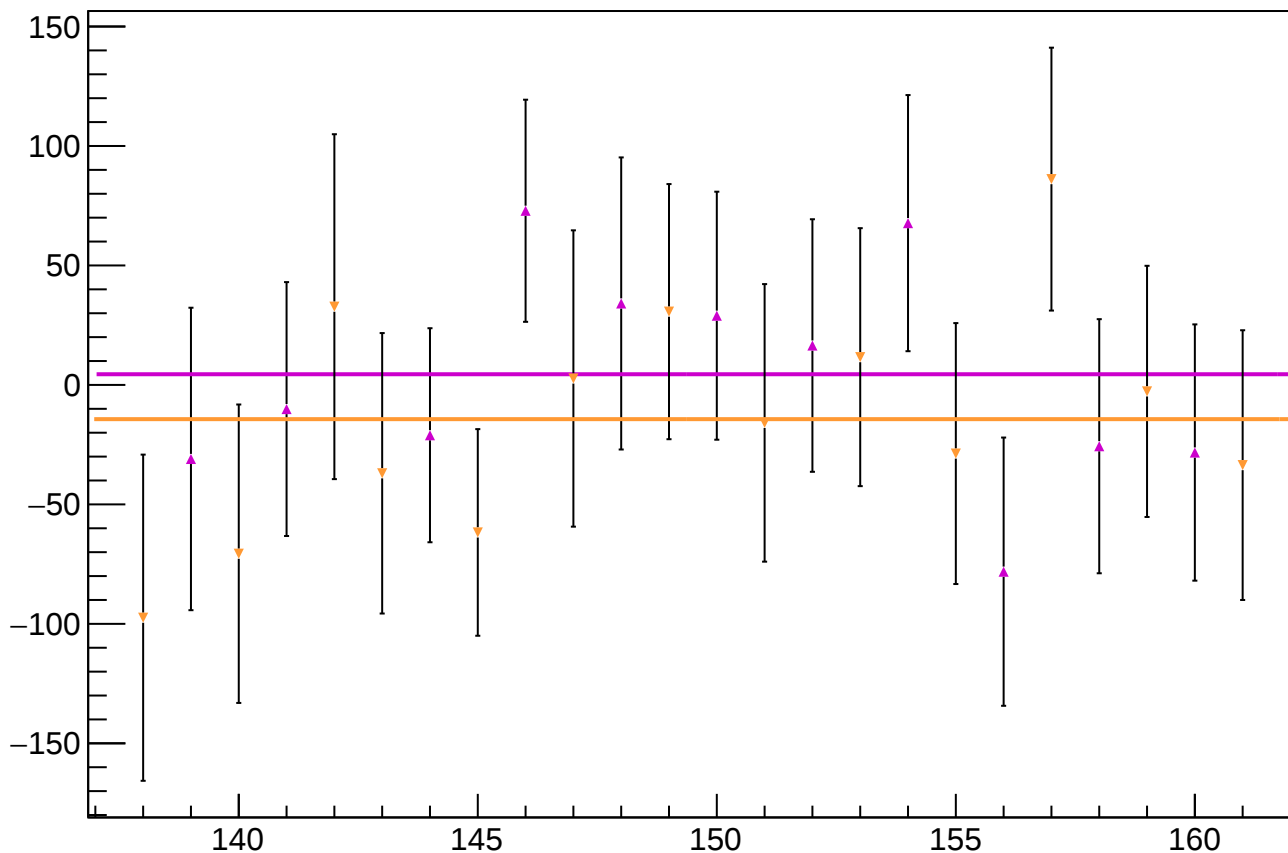
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 572.402+/-0.140 χ^2/NDF :1014880.4/10

593.398+/-0.139 χ^2/NDF : 1109430.7/12

572.402+/-0.140 χ^2/NDF : 1014880.4/10

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -14.325+/-15.655 χ^2/NDF : 8.7/12

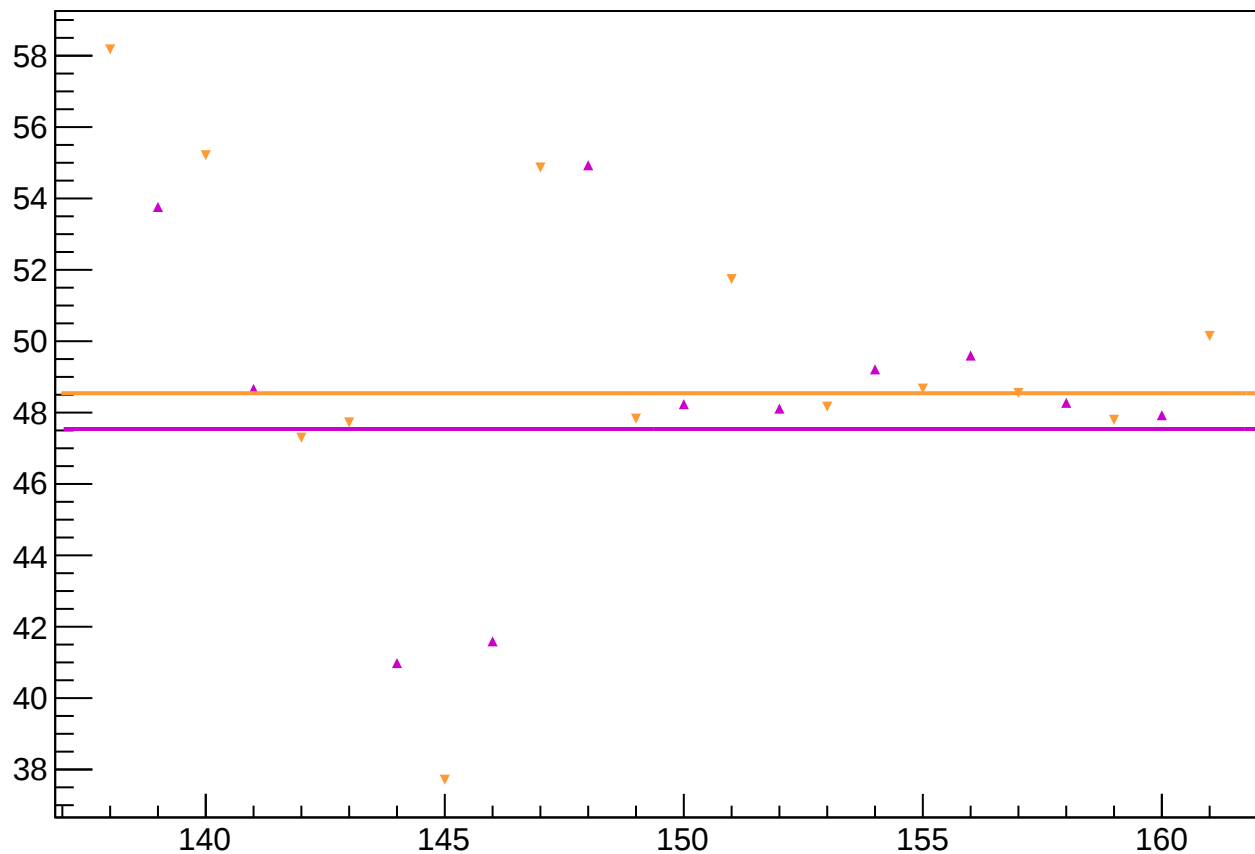
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 4.471+/-15.954 χ^2/NDF : 7.6/10

-14.325+/-15.655 χ^2/NDF : 8.7/12

4.471+/-15.954 χ^2/NDF : 7.6/10

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 48.543+/-0.011 χ^2/NDF : 218411.4/12

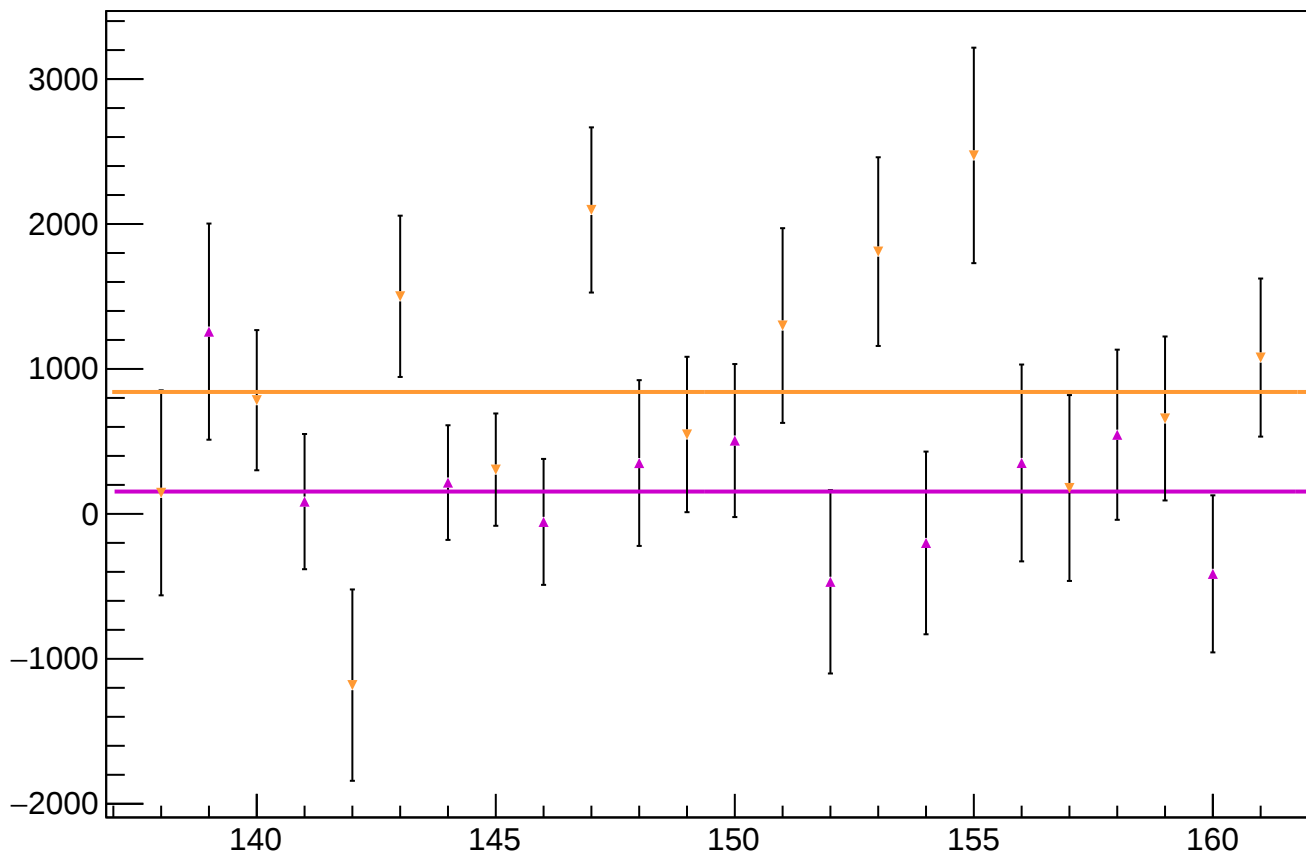
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 47.540+/-0.011 χ^2/NDF : 130805.5/10

48.543+/-0.011 χ^2/NDF : 218411.4/12

47.540+/-0.011 χ^2/NDF : 130805.5/10

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 841.205+/-157.465 χ^2/NDF : 27.7/12

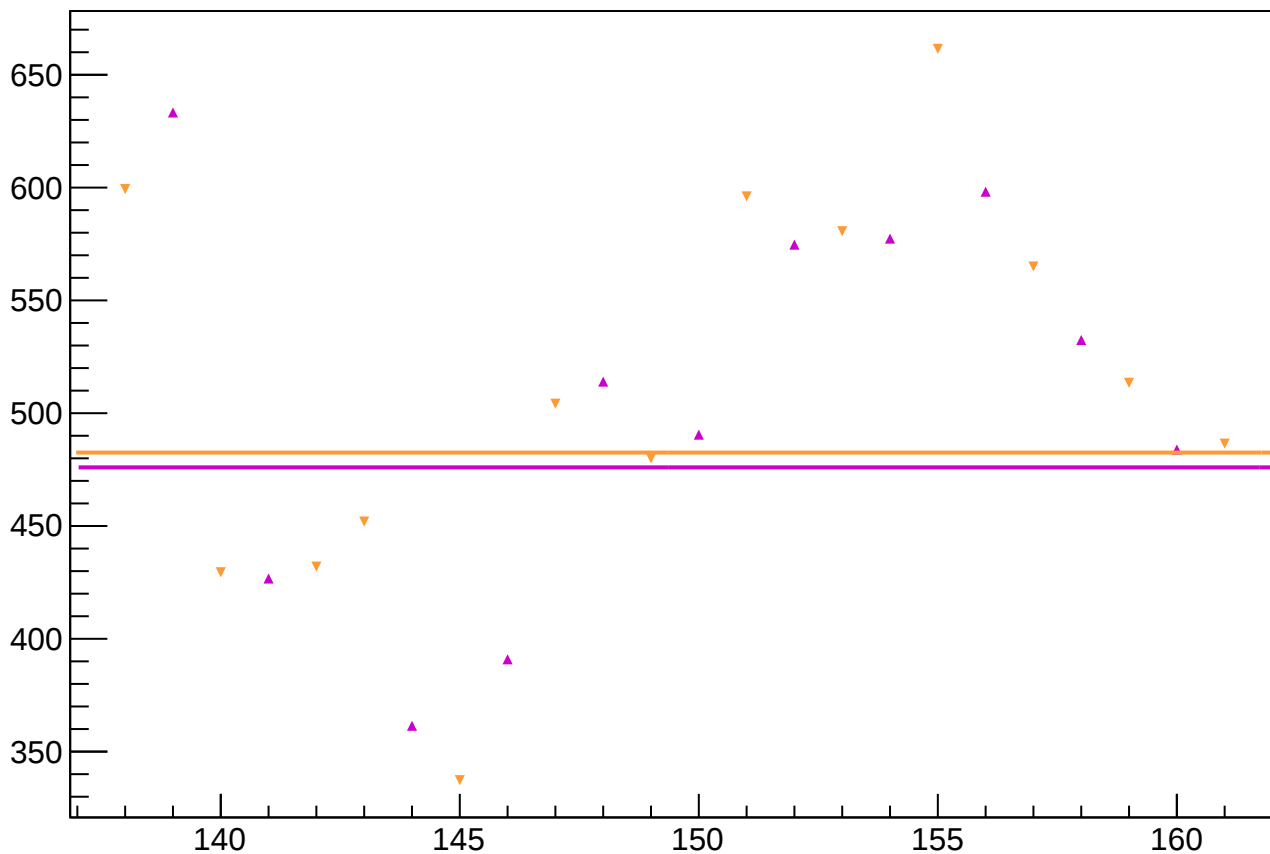
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 154.096+/-161.738 χ^2/NDF : 5.9/10

841.205+/-157.465 χ^2/NDF : 27.7/12

154.096+/-161.738 χ^2/NDF : 5.9/10

asym_sam_15_48_dd_correction_rms vs Slug



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

Left Out: 482.548+/-0.111 χ^2/NDF : 637942.5/12

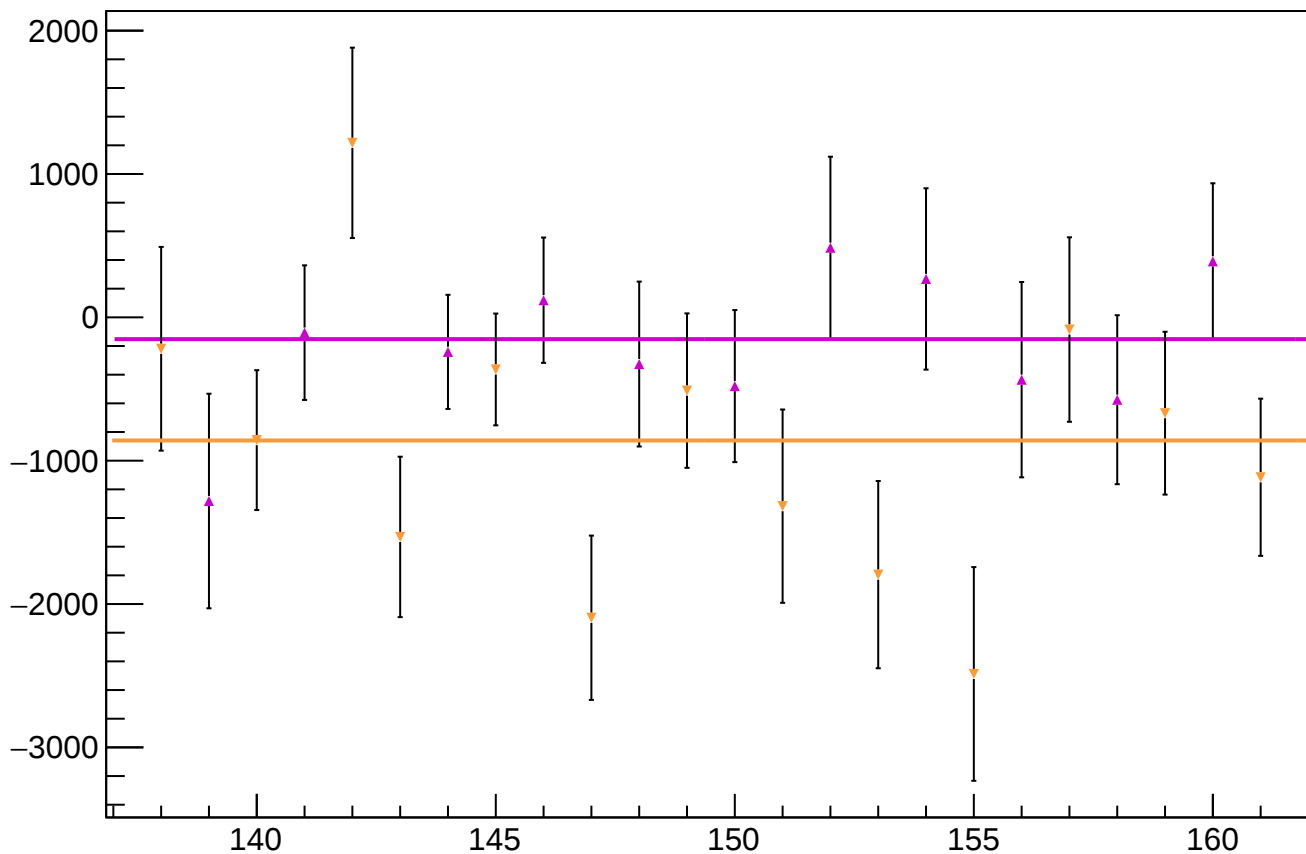
482.548+/-0.111 χ^2/NDF : 637942.5/12

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

475.990+/-0.114 χ^2/NDF : 550346.8/10

Left In: 475.990+/-0.114 χ^2/NDF : 550346.8/10

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -858.915+/-158.323 χ^2/NDF : 27.8/12

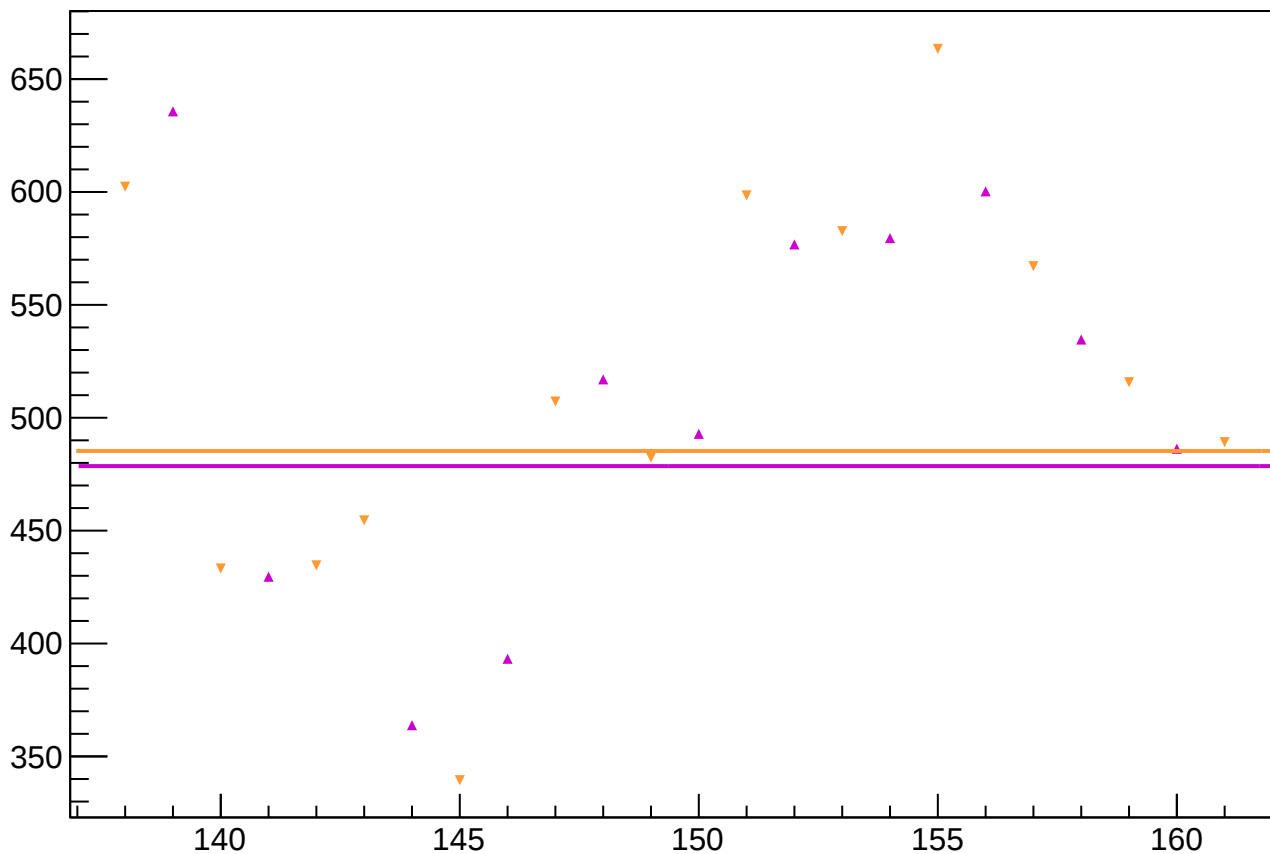
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -152.051+/-162.586 χ^2/NDF : 6.3/10

-858.915+/-158.323 χ^2/NDF : 27.8/12

-152.051+/-162.586 χ^2/NDF : 6.3/10

asym_sam_15_48_dd_rms vs Slug



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

Left Out: 485.290+/-0.112 χ^2/NDF : 630588.0/12

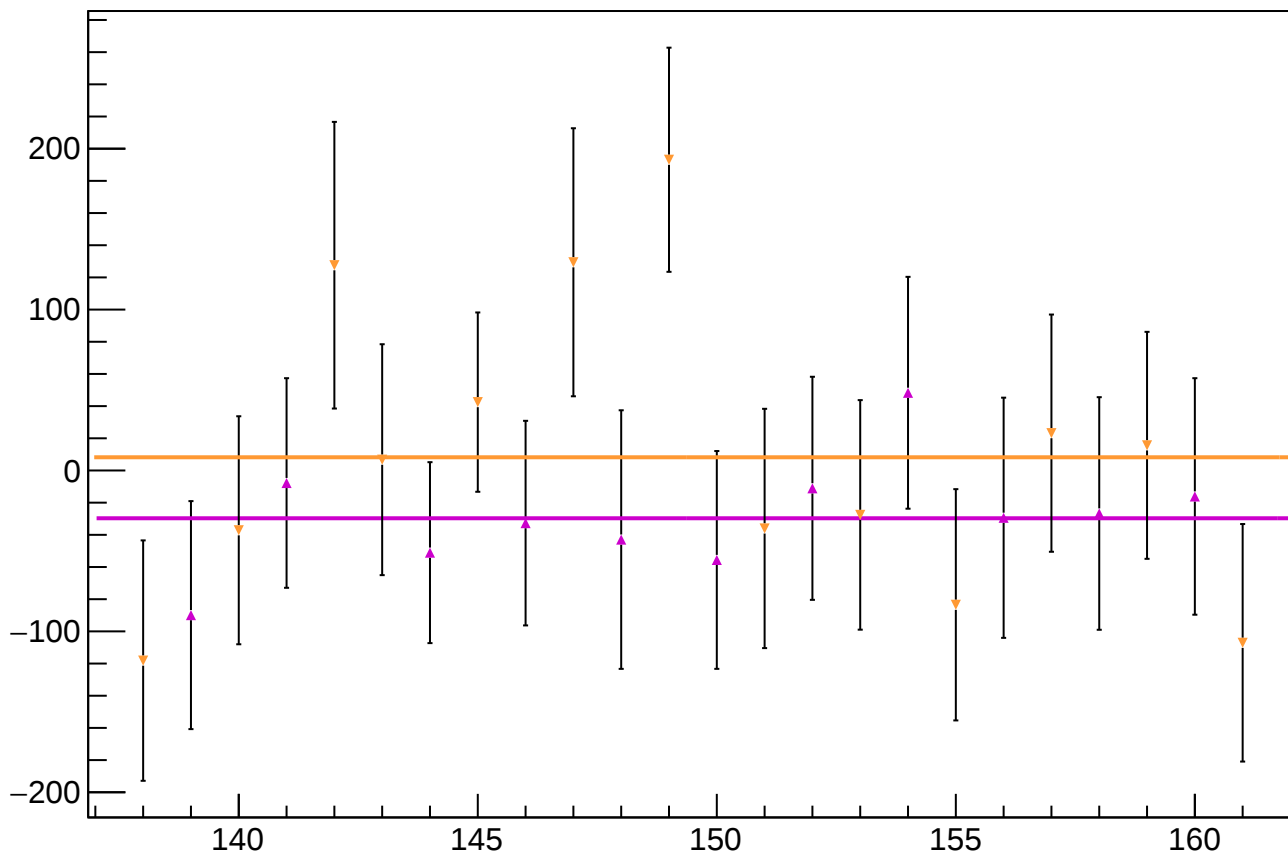
485.290+/-0.112 χ^2/NDF : 630588.0/12

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

Left In: 478.586+/-0.115 χ^2/NDF : 543876.3/10

478.586+/-0.115 χ^2/NDF : 543876.3/10

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: 8.204+/-19.959 χ^2/NDF : 19.3/12

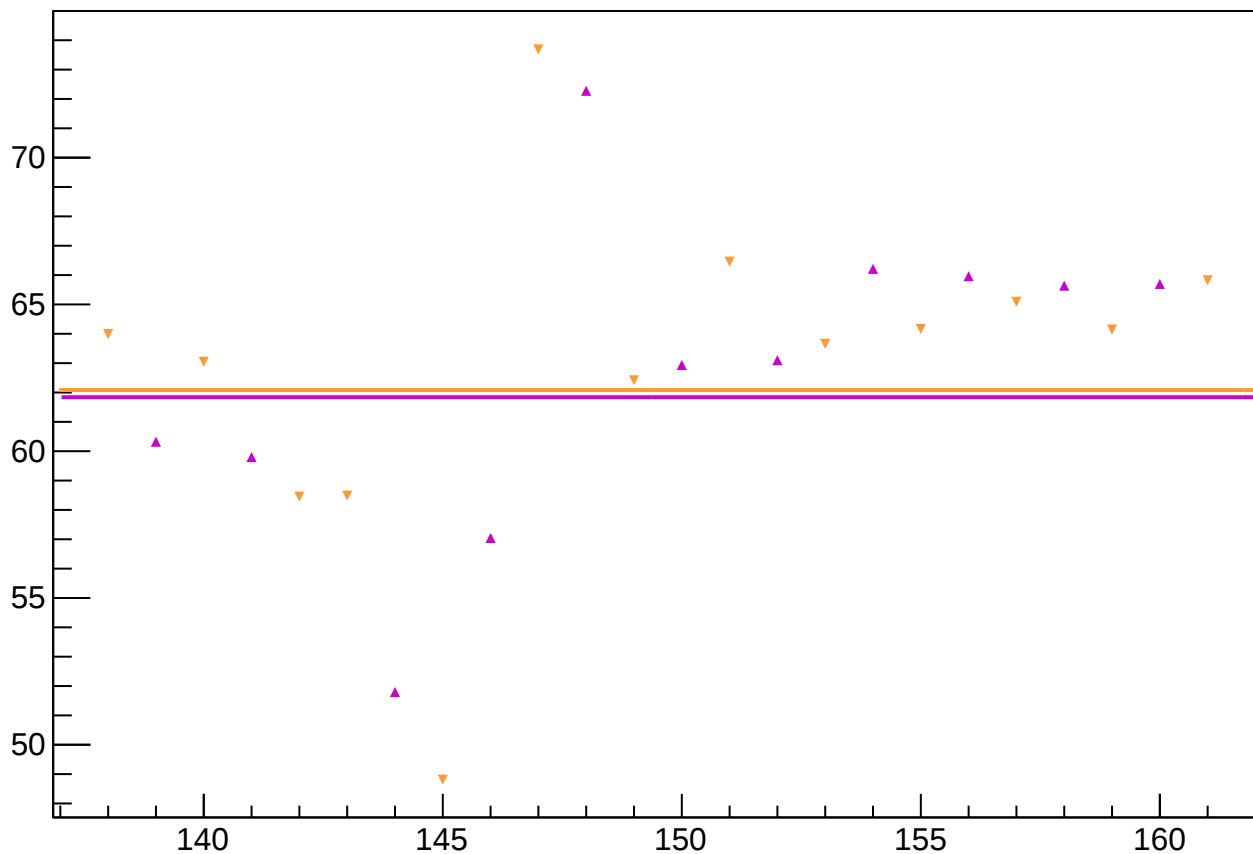
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -29.701+/-20.725 χ^2/NDF : 2.4/10

8.204+/-19.959 χ^2/NDF : 19.3/12

-29.701+/-20.725 χ^2/NDF : 2.4/10

reg_asym_sam_37_48_dd_rms vs Slug



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

Left Out: 62.083+/-0.014 χ^2/NDF :182051.9/12

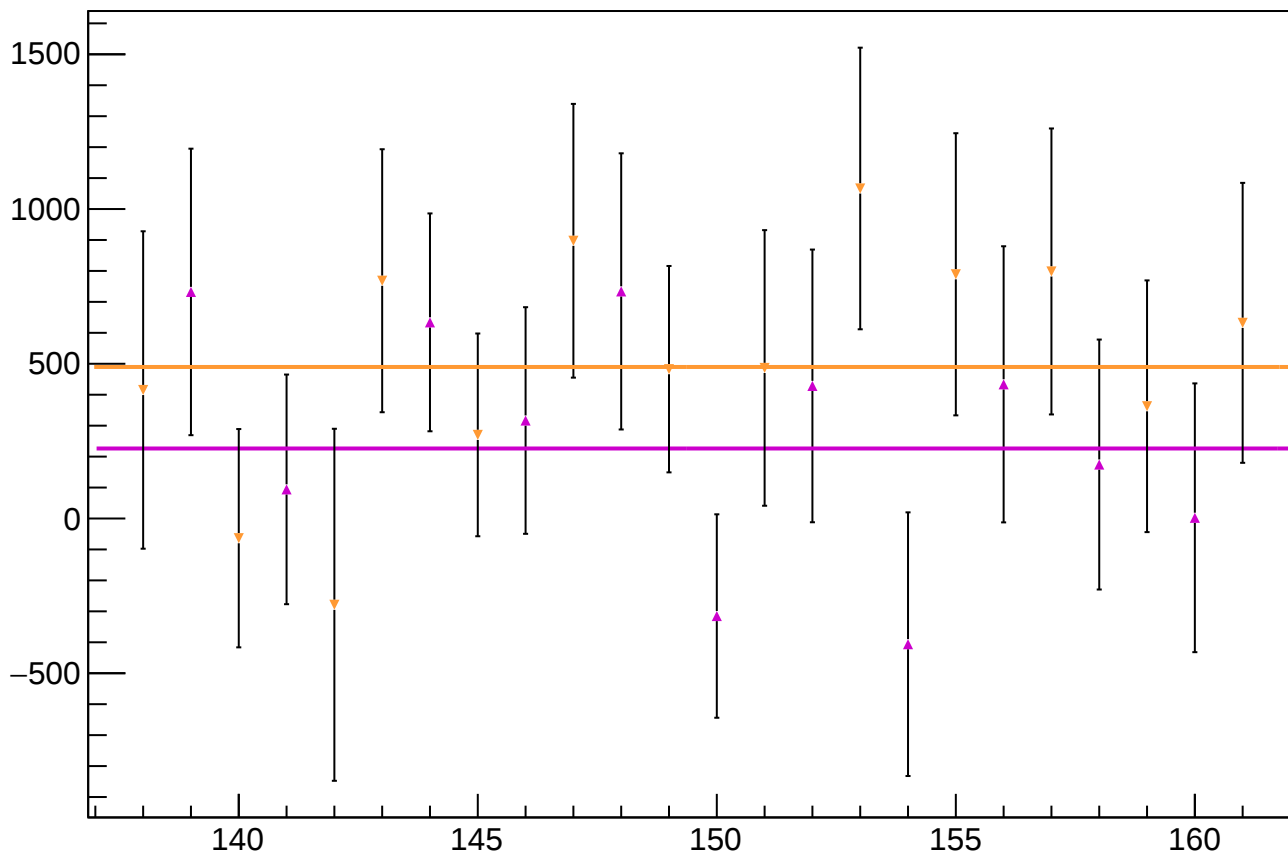
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 61.838+/-0.015 χ^2/NDF :137492.4/10

62.083+/-0.014 χ^2/NDF : 182051.9/12

61.838+/-0.015 χ^2/NDF : 137492.4/10

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 489.657+/-116.094 χ^2/NDF : 8.7/12

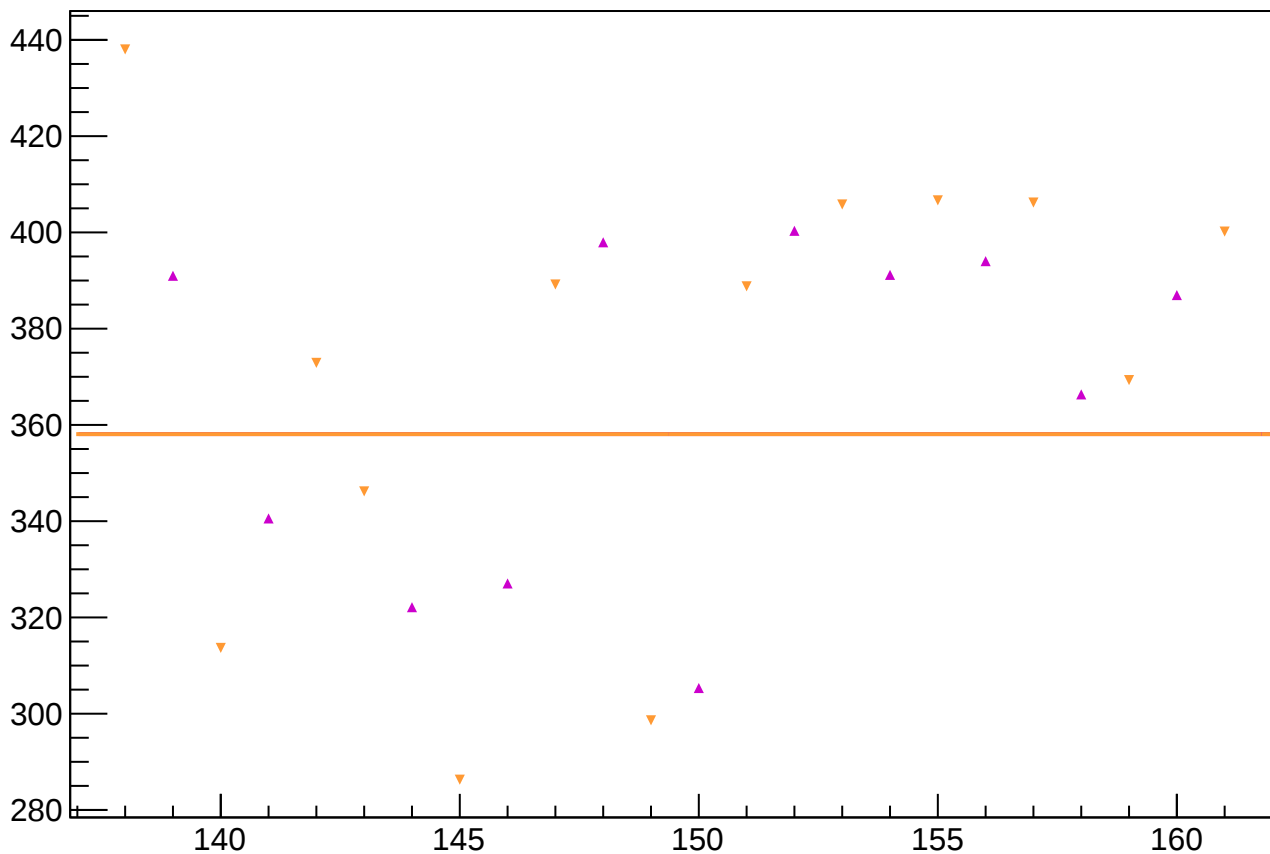
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 226.218+/-120.510 χ^2/NDF : 9.6/10

489.657+/-116.094 χ^2/NDF : 8.7/12

226.218+/-120.510 χ^2/NDF : 9.6/10

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 358.088+/-0.082 χ^2/NDF : 347521.6/12

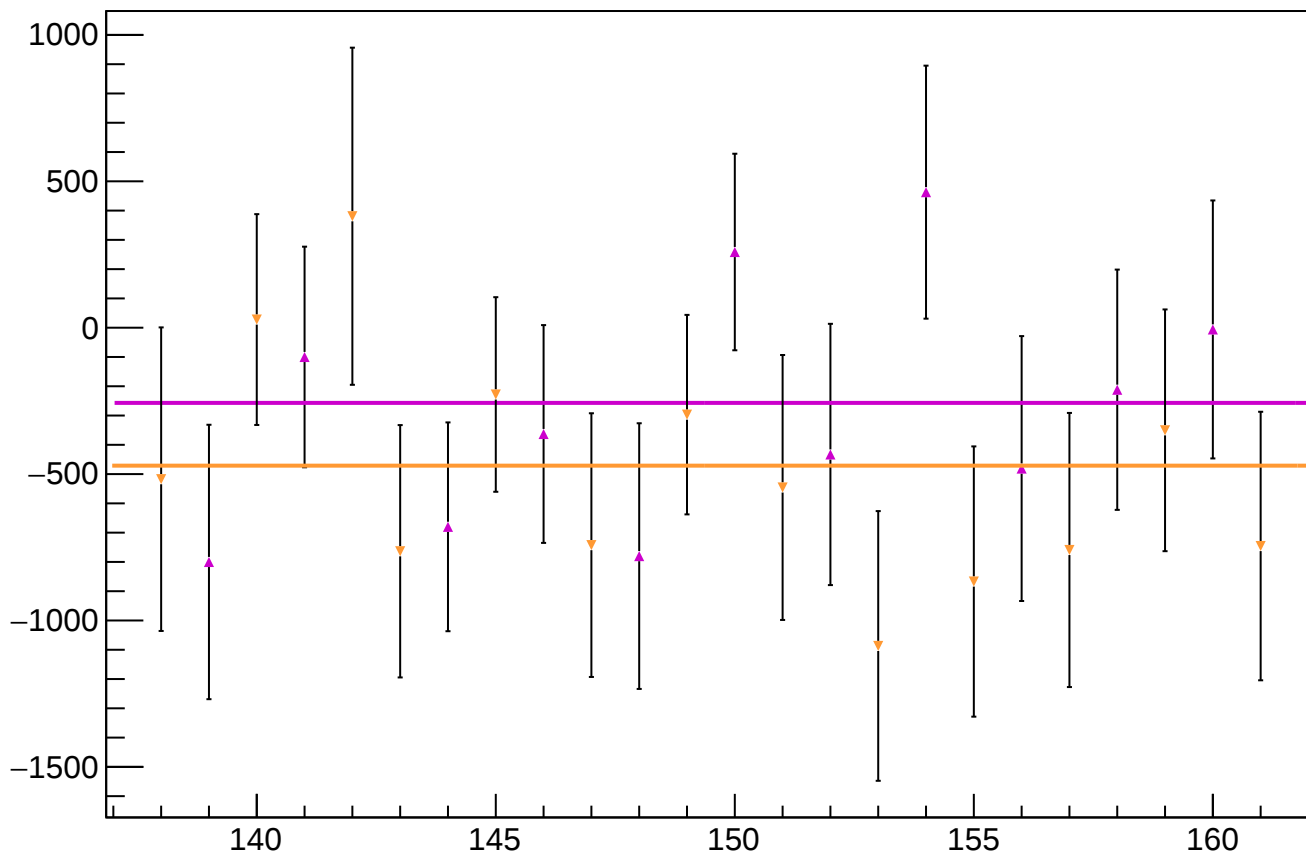
358.088+/-0.082 χ^2/NDF : 347521.6/12

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

358.104+/-0.085 χ^2/NDF : 170386.0/10

Left In: 358.104+/-0.085 χ^2/NDF : 170386.0/10

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -471.167+/-117.921 χ^2/NDF : 9.1/12

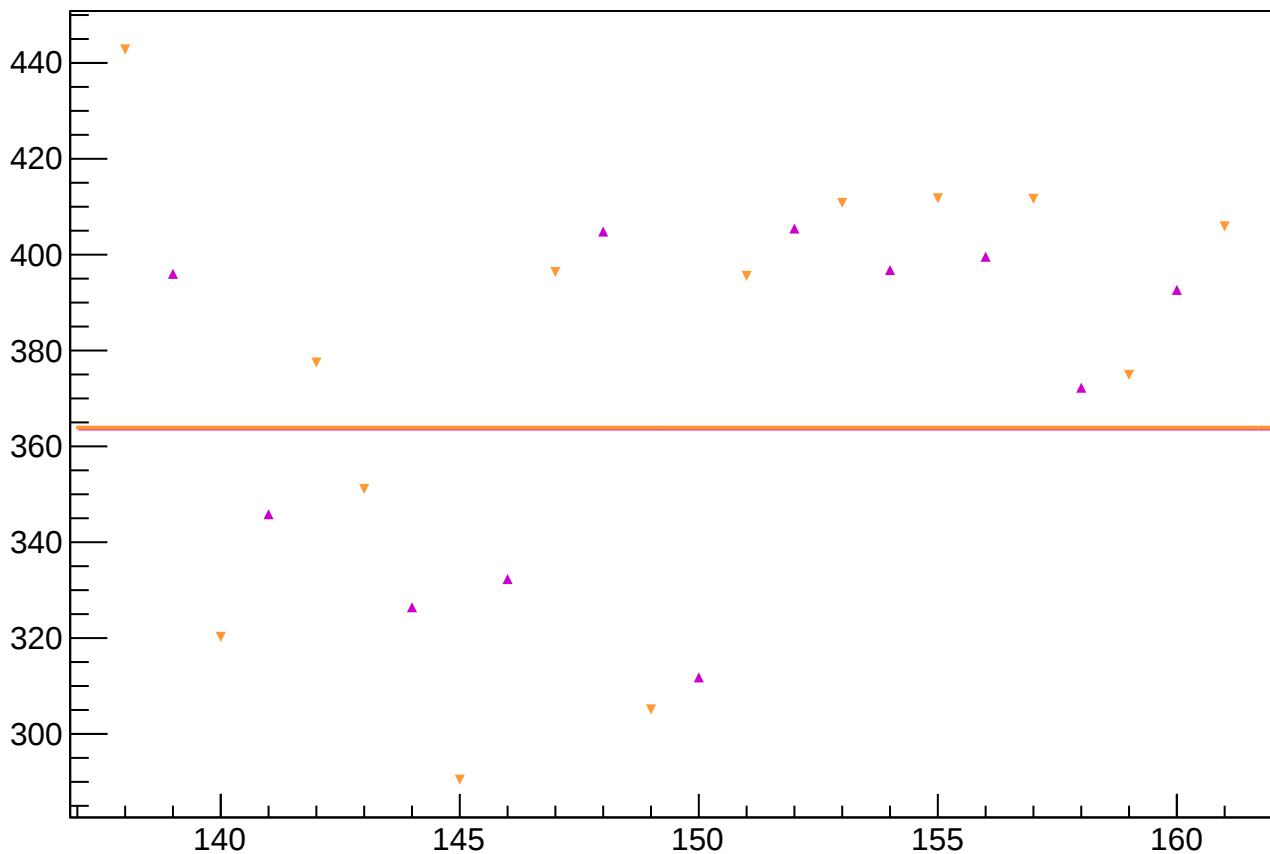
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -256.805+/-122.370 χ^2/NDF : 10.2/10

-471.167+/-117.921 χ^2/NDF : 9.1/12

-256.805+/-122.370 χ^2/NDF : 10.2/10

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 363.907+/-0.083 χ^2/NDF : 337287.7/12

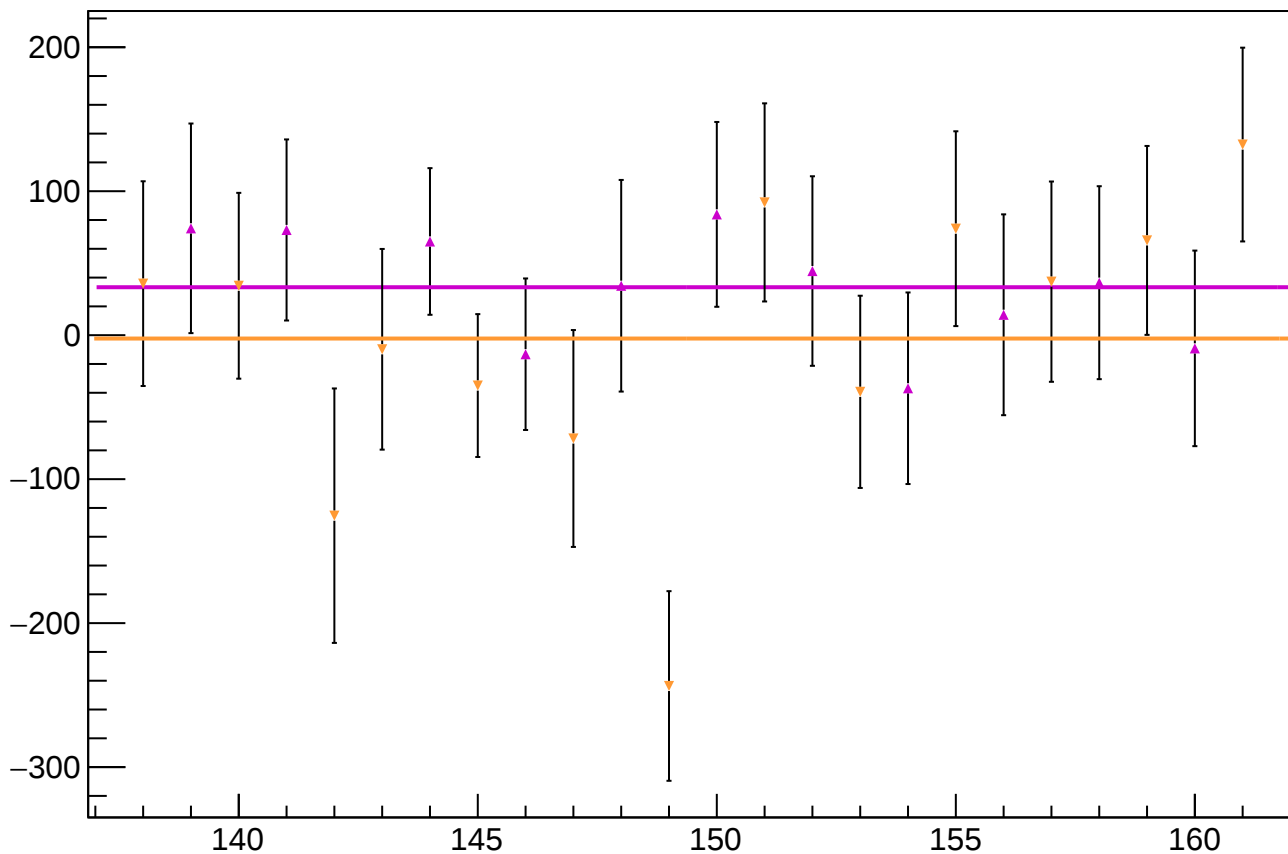
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 363.744+/-0.087 χ^2/NDF : 165659.9/10

363.907+/-0.083 χ^2/NDF : 337287.7/12

363.744+/-0.087 χ^2/NDF : 165659.9/10

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: -2.332 ± 18.573 χ^2/NDF : 26.1/12

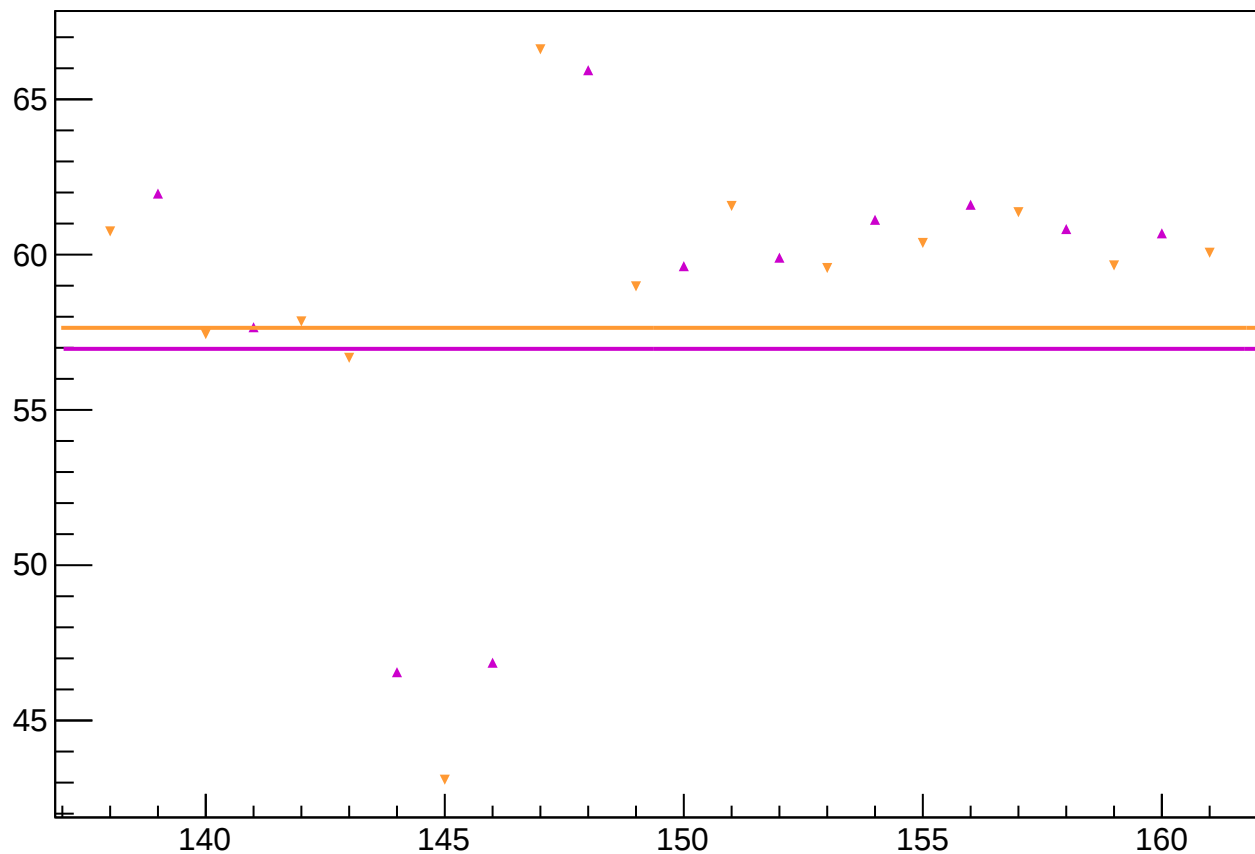
-2.332 ± 18.573 χ^2/NDF : 26.1/12

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

33.308 ± 19.181 χ^2/NDF : 4.1/10

Left In: 33.308 ± 19.181 χ^2/NDF : 4.1/10

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 57.643+/-0.013 χ^2/NDF : 226984.4/12

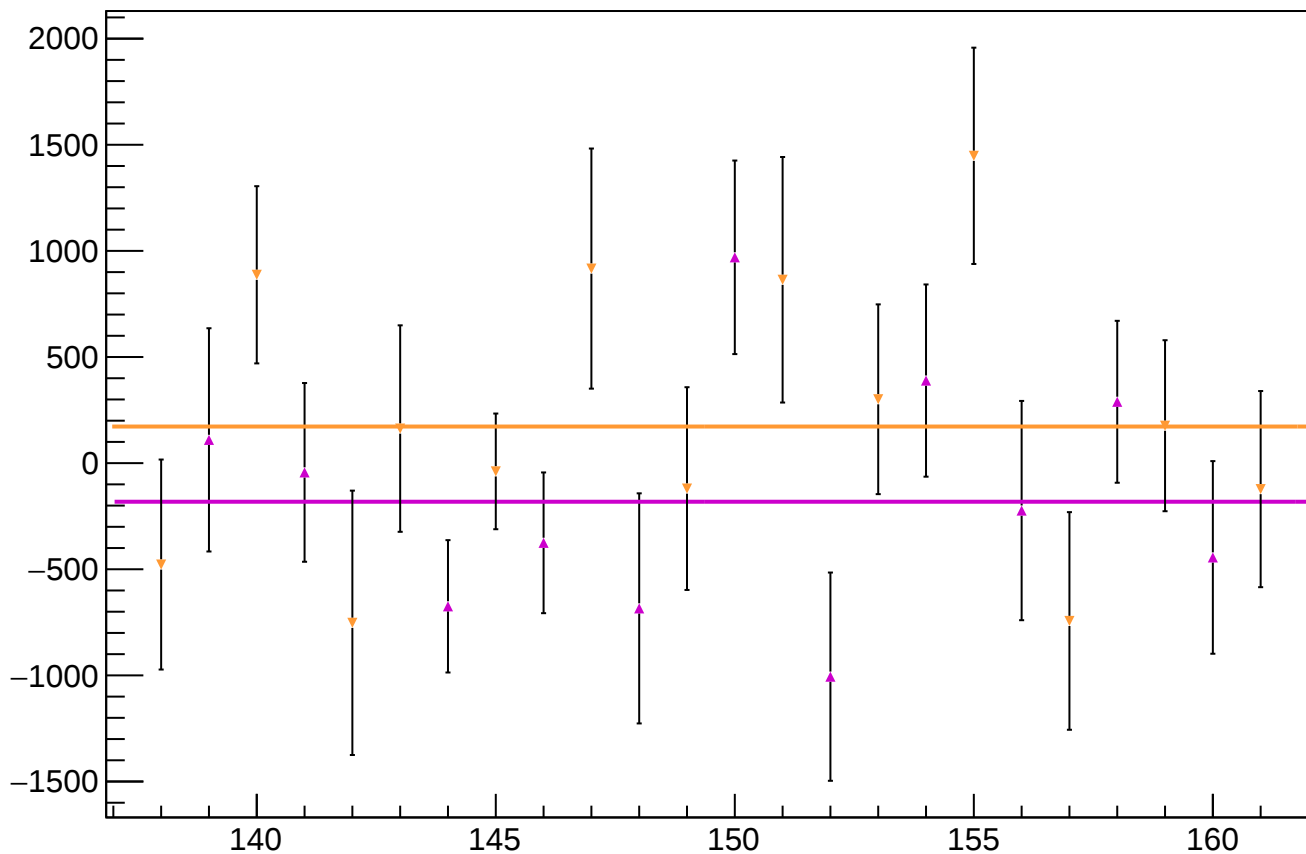
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 56.966+/-0.014 χ^2/NDF : 233523.0/10

57.643+/-0.013 χ^2/NDF : 226984.4/12

56.966+/-0.014 χ^2/NDF : 233523.0/10

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 172.454+/-124.906 χ^2/NDF :20.9/12

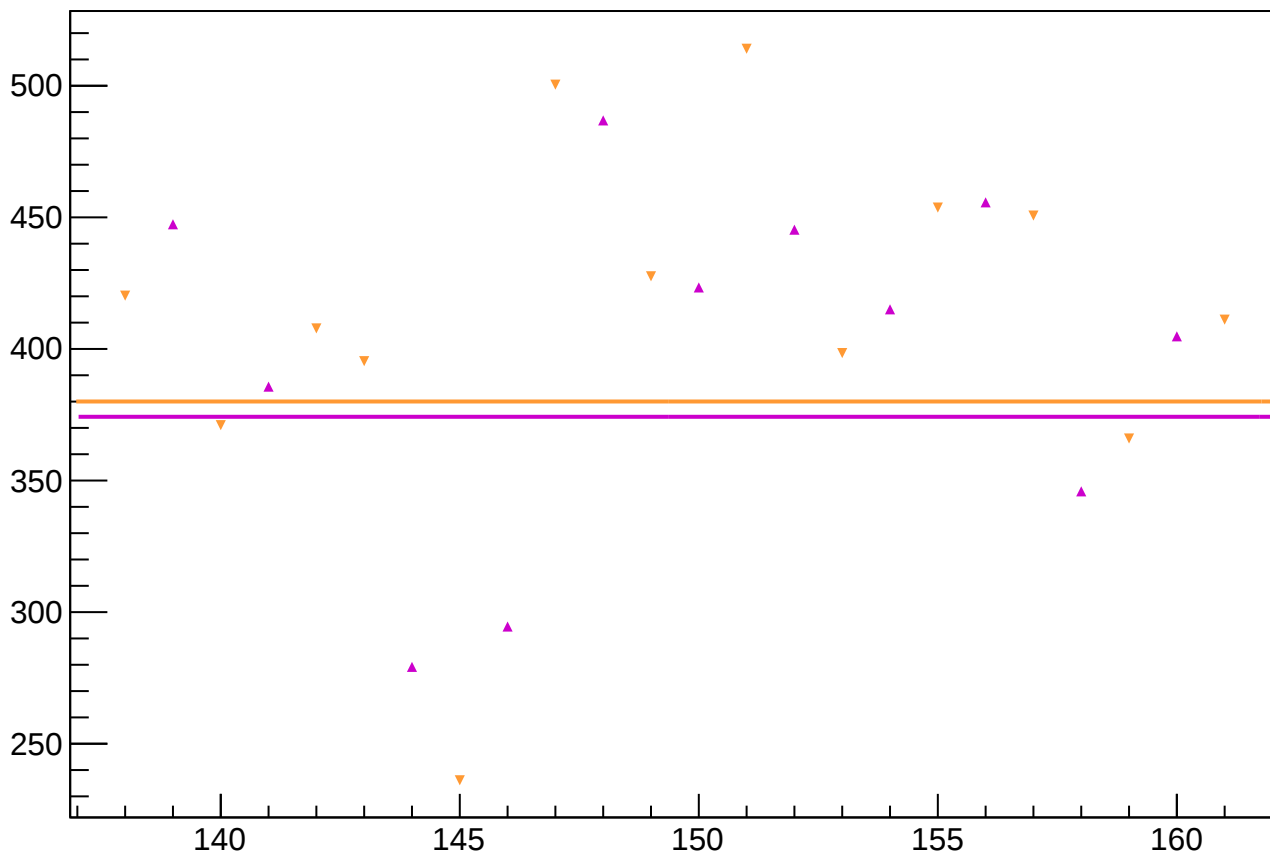
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -181.848+/-127.661 χ^2/NDF :16.8/10

172.454+/-124.906 χ^2/NDF : 20.9/12

-181.848+/-127.661 χ^2/NDF : 16.8/10

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 380.037+/-0.088 χ^2/NDF : 890479.1/12

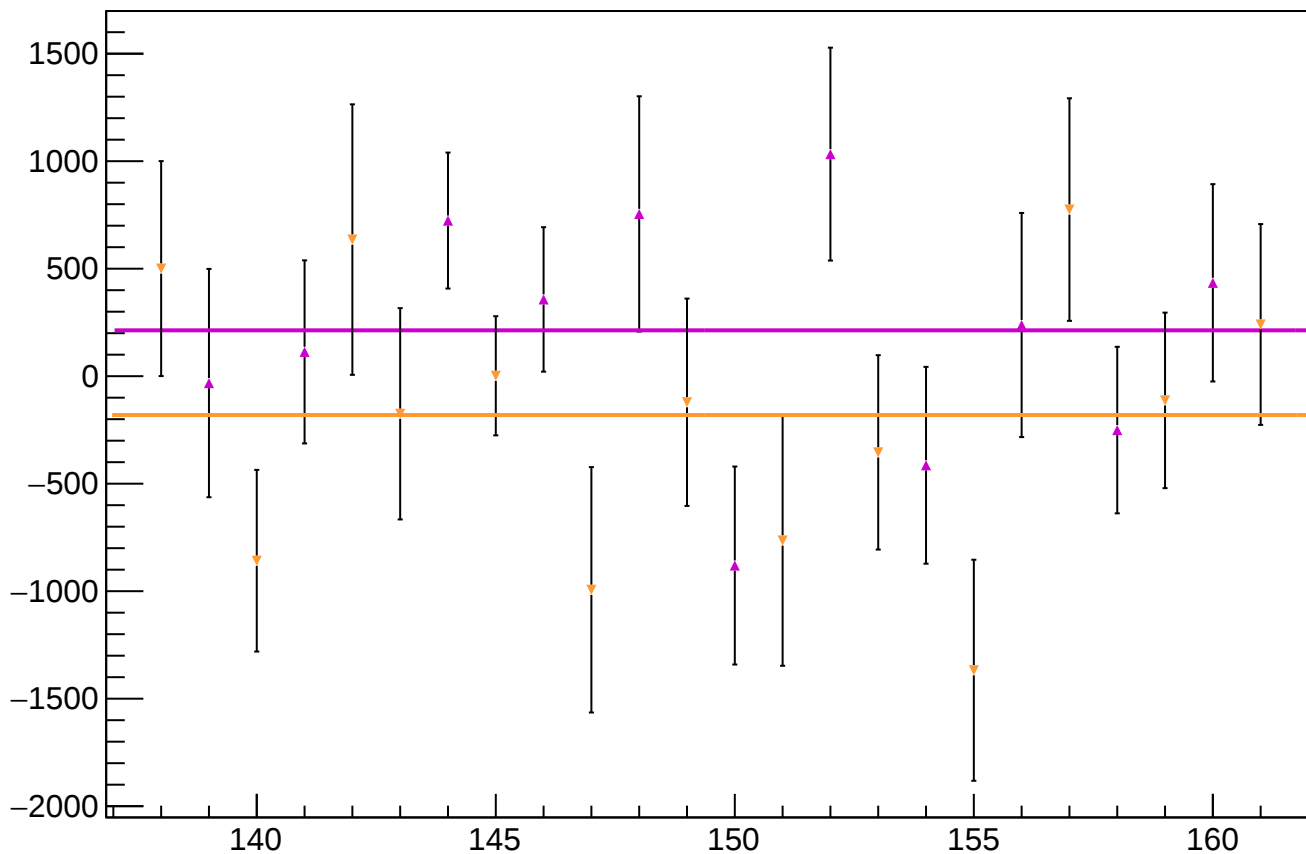
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 374.225+/-0.090 χ^2/NDF : 579165.8/10

380.037+/-0.088 χ^2/NDF : 890479.1/12

374.225+/-0.090 χ^2/NDF : 579165.8/10

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -180.688+/-126.382 χ^2/NDF :19.3/12

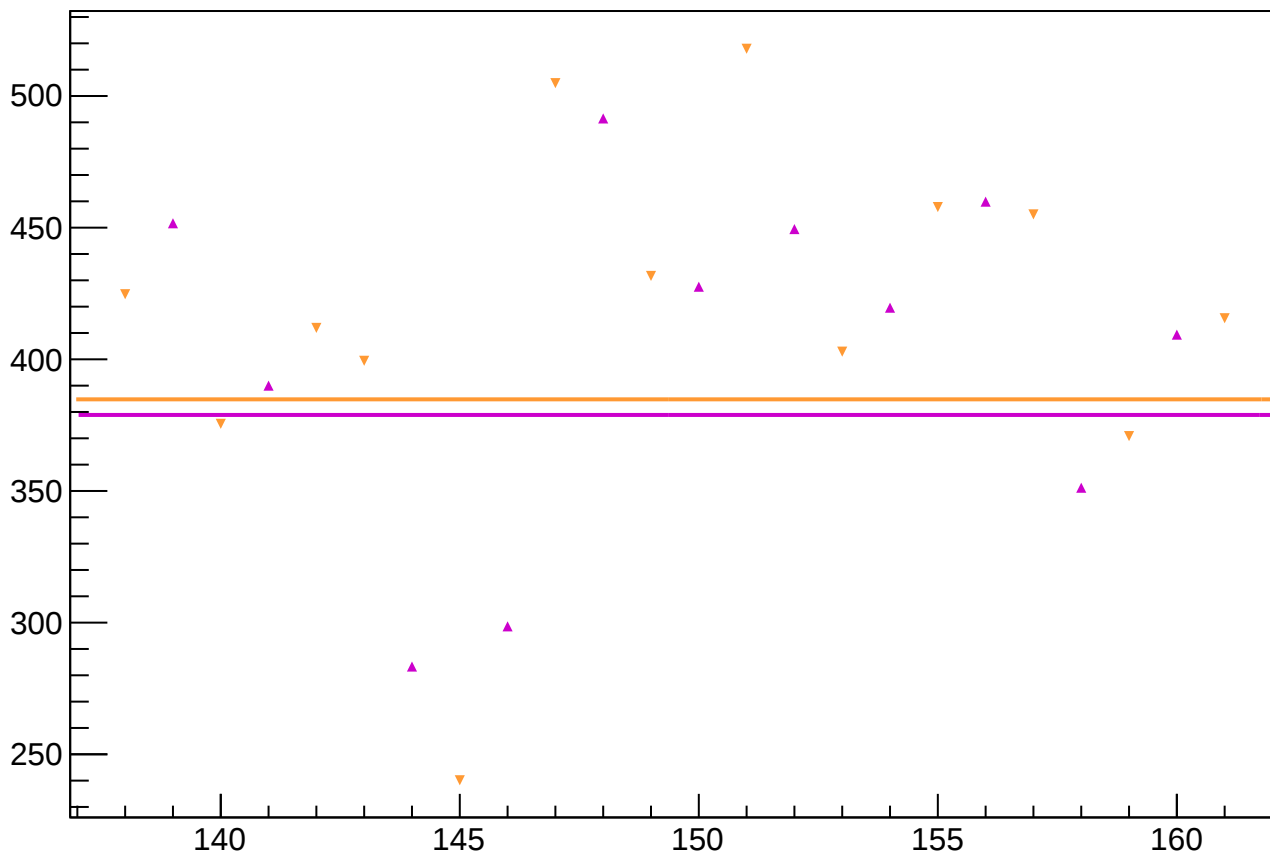
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 213.283+/-129.183 χ^2/NDF :16.0/10

-180.688+/-126.382 χ^2/NDF : 19.3/12

213.283+/-129.183 χ^2/NDF : 16.0/10

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 384.800+/-0.089 χ^2/NDF : 867595.4/12

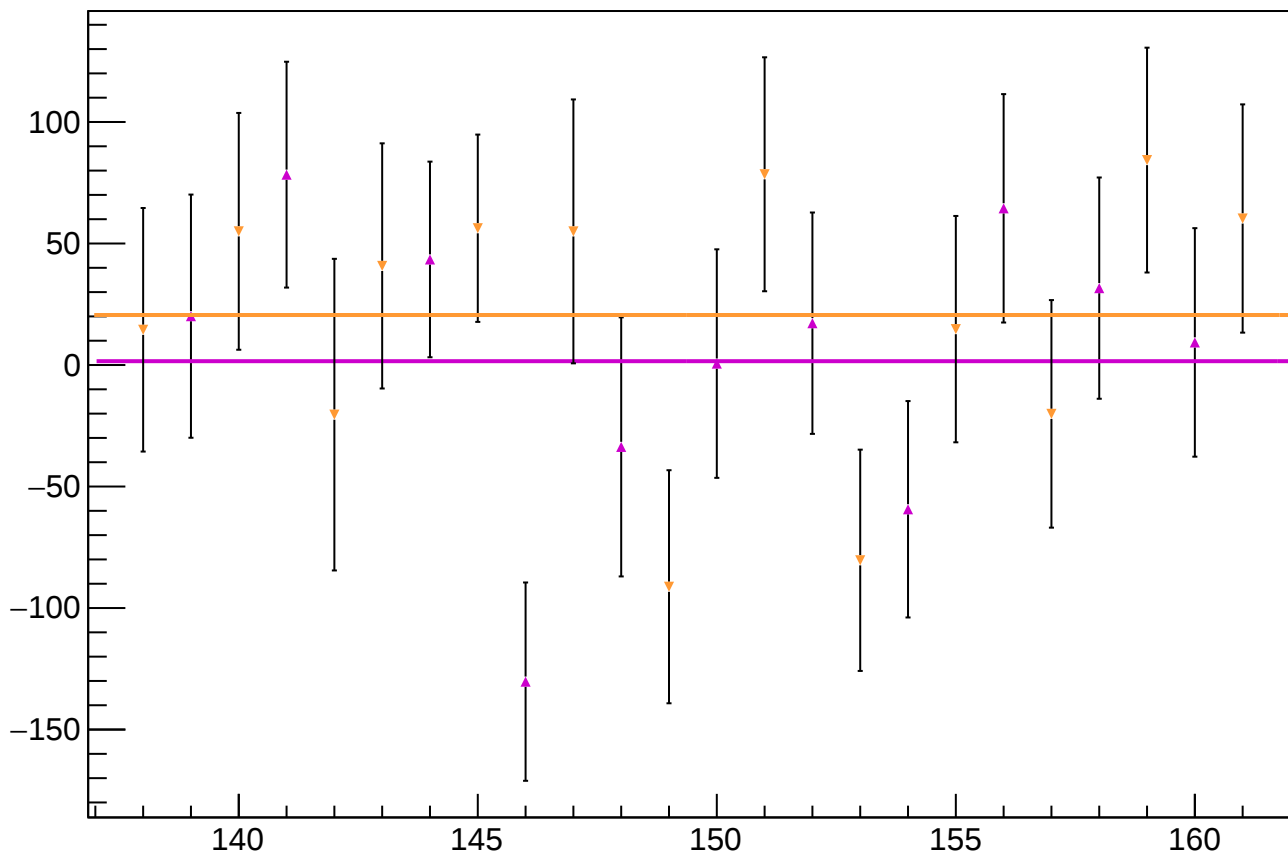
384.800+/-0.089 χ^2/NDF : 867595.4/12

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

Left In: 378.873+/-0.091 χ^2/NDF : 566580.8/10

378.873+/-0.091 χ^2/NDF : 566580.8/10

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 20.577+/-13.298 χ^2/NDF :17.5/12

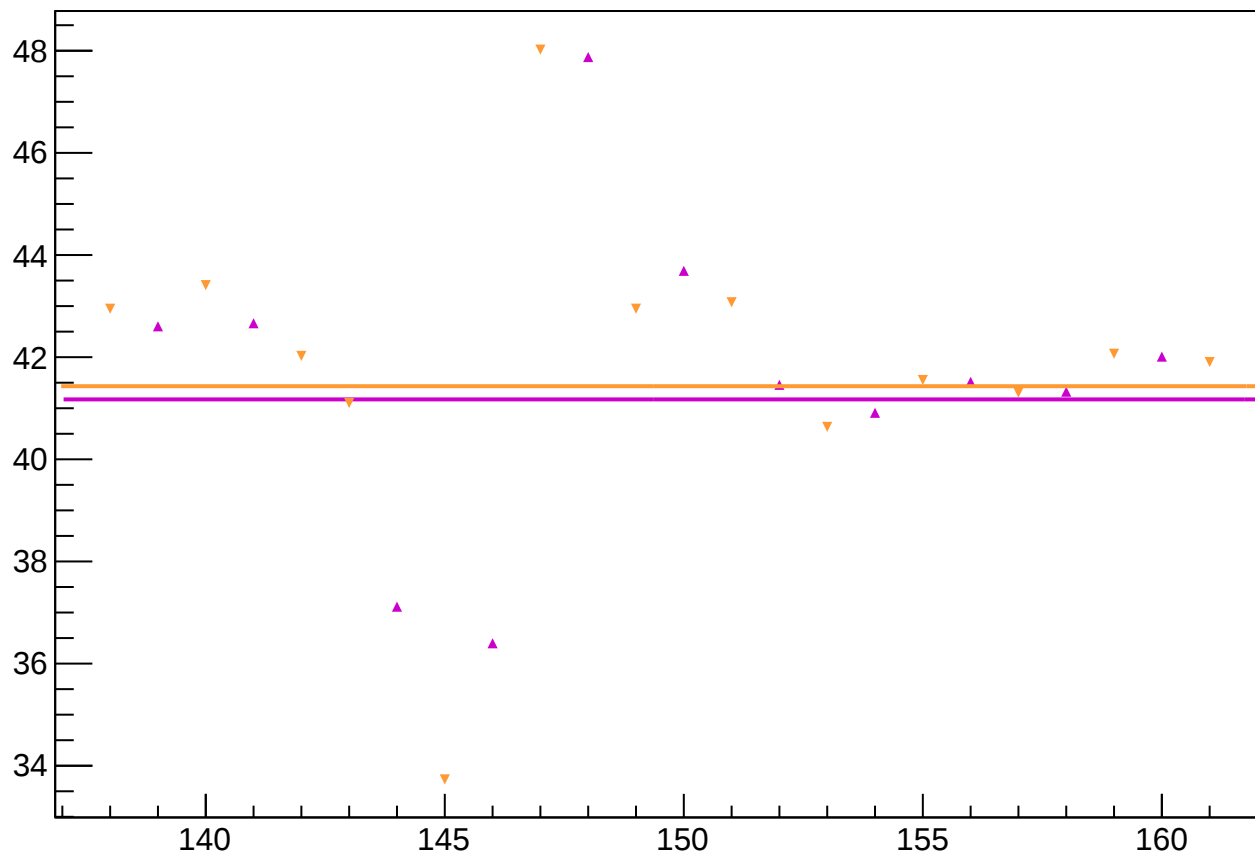
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1.578+/-13.790 χ^2/NDF :19.1/10

20.577+/-13.298 χ^2/NDF : 17.5/12

1.578+/-13.790 χ^2/NDF : 19.1/10

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 41.431+/-0.009 χ^2/NDF :120229.9/12

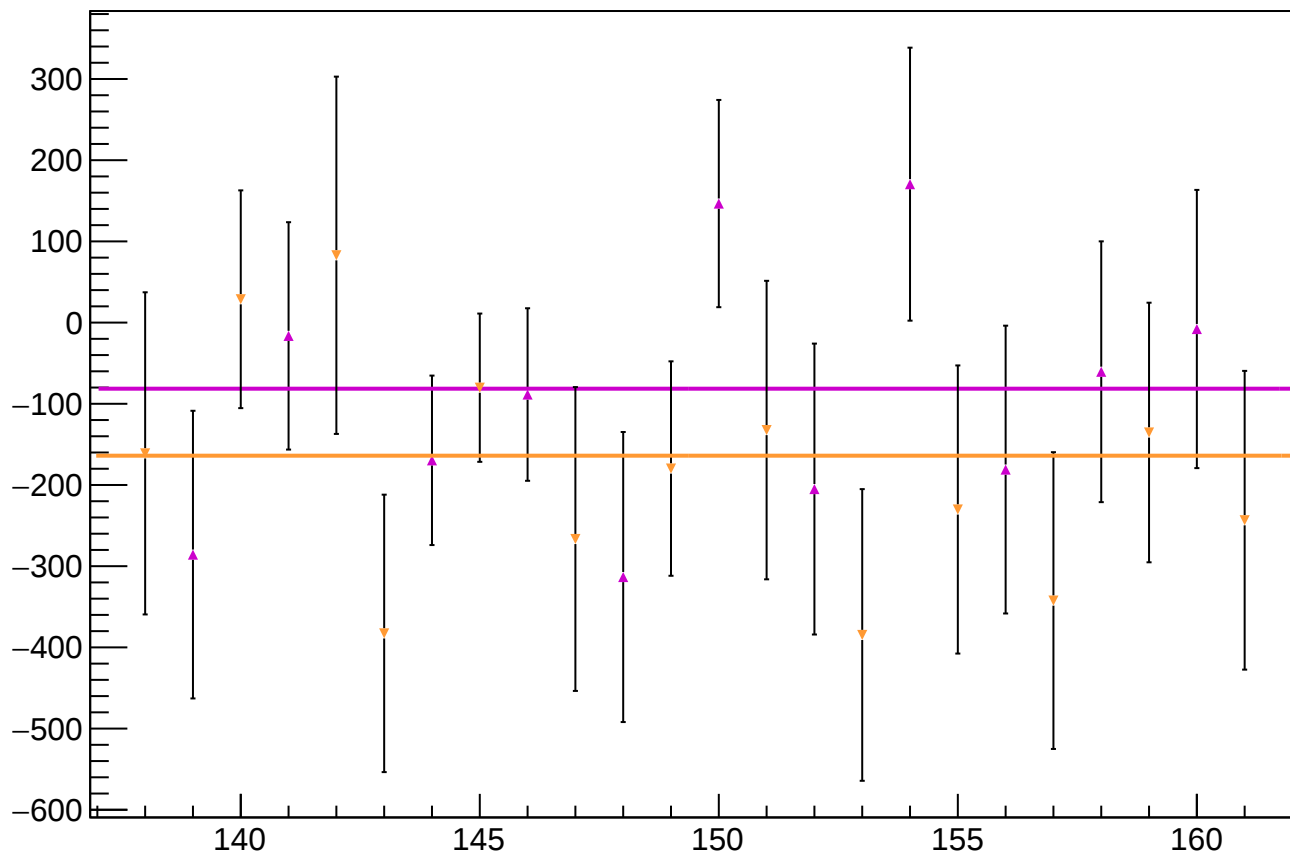
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 41.173+/-0.010 χ^2/NDF :89697.7/10

41.431+/-0.009 χ^2/NDF : 120229.9/12

41.173+/-0.010 χ^2/NDF : 89697.7/10

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -163.910+/-43.322 χ^2/NDF : 9.0/12

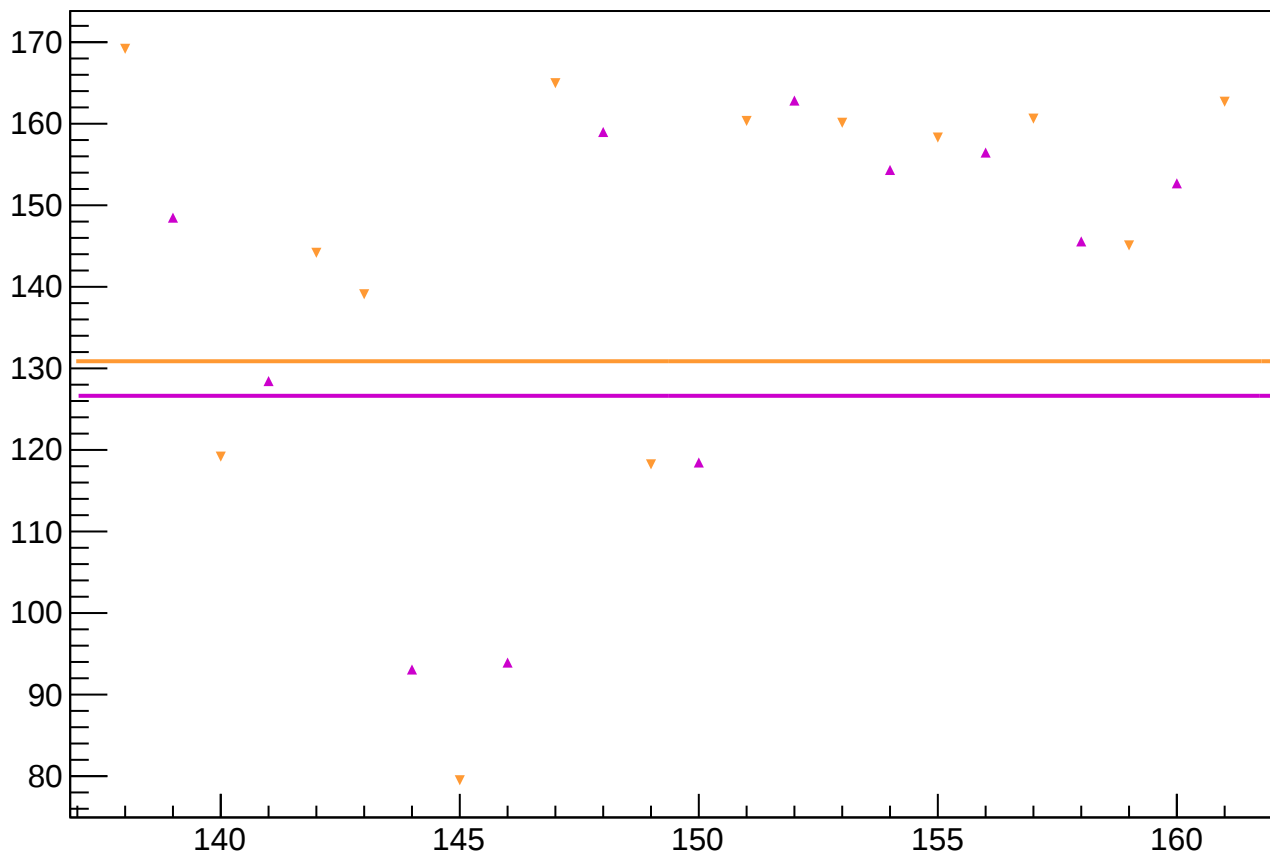
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -81.410+/-43.548 χ^2/NDF : 10.4/10

-163.910+/-43.322 χ^2/NDF : 9.0/12

-81.410+/-43.548 χ^2/NDF : 10.4/10

asym_sam_37_26_dd_correction_rms vs Slug



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

Left Out: 130.876+/-0.031 χ^2/NDF : 1100782.8/12

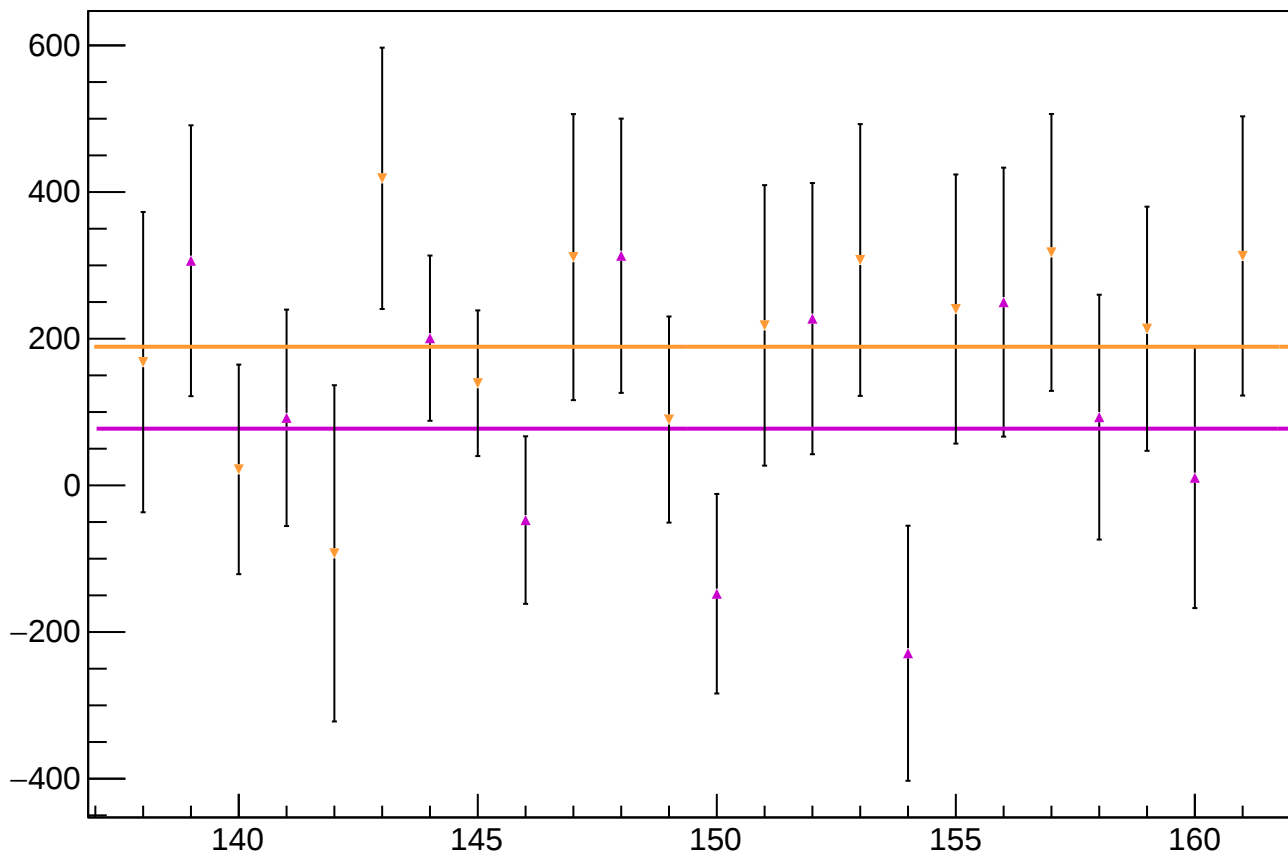
130.876+/-0.031 χ^2/NDF : 1100782.8/12

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

126.637+/-0.031 χ^2/NDF : 767756.4/10

Left In: 126.637+/-0.031 χ^2/NDF : 767756.4/10

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 189.057+/-45.669 χ^2/NDF : 7.1/12

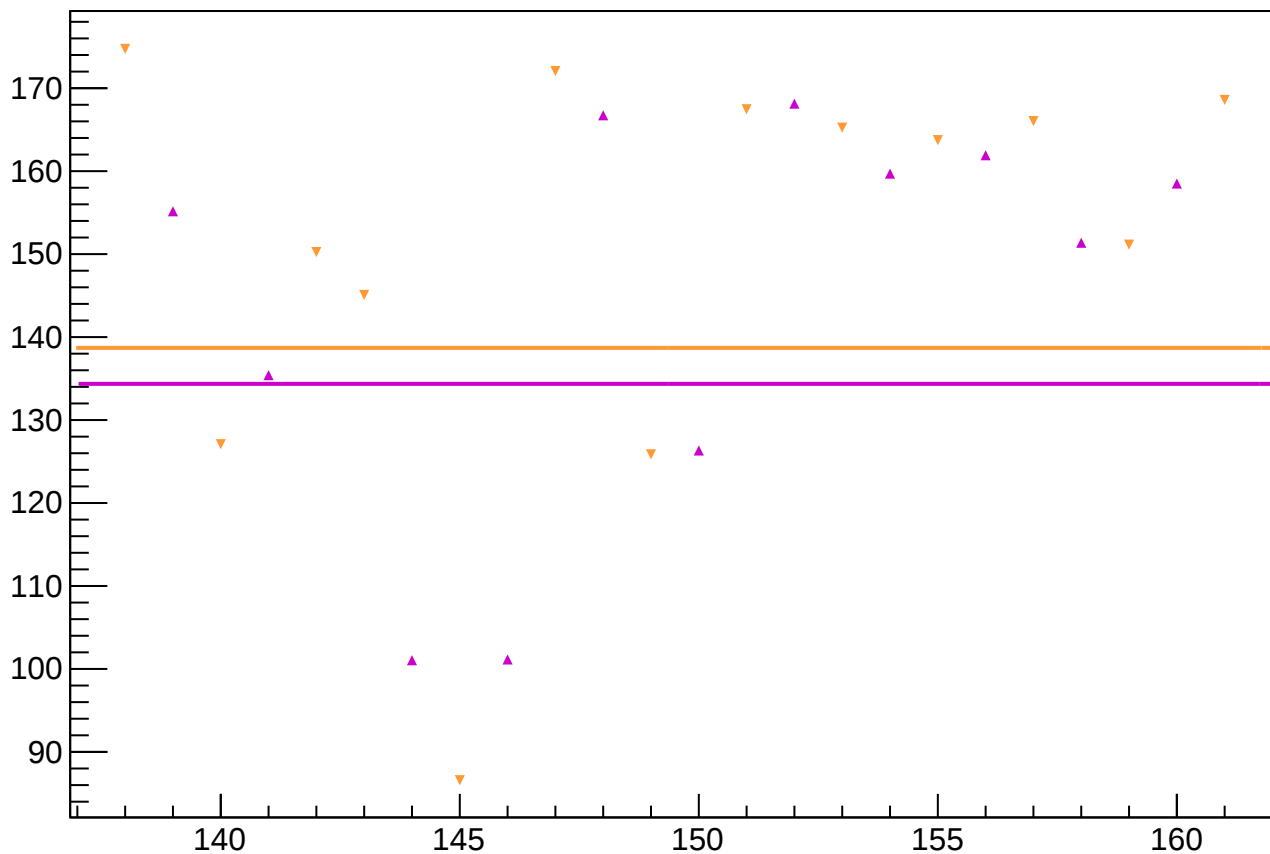
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 77.309+/-45.992 χ^2/NDF : 13.1/10

189.057+/-45.669 χ^2/NDF : 7.1/12

77.309+/-45.992 χ^2/NDF : 13.1/10

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 138.699+/-0.032 χ^2/NDF : 934388.3/12

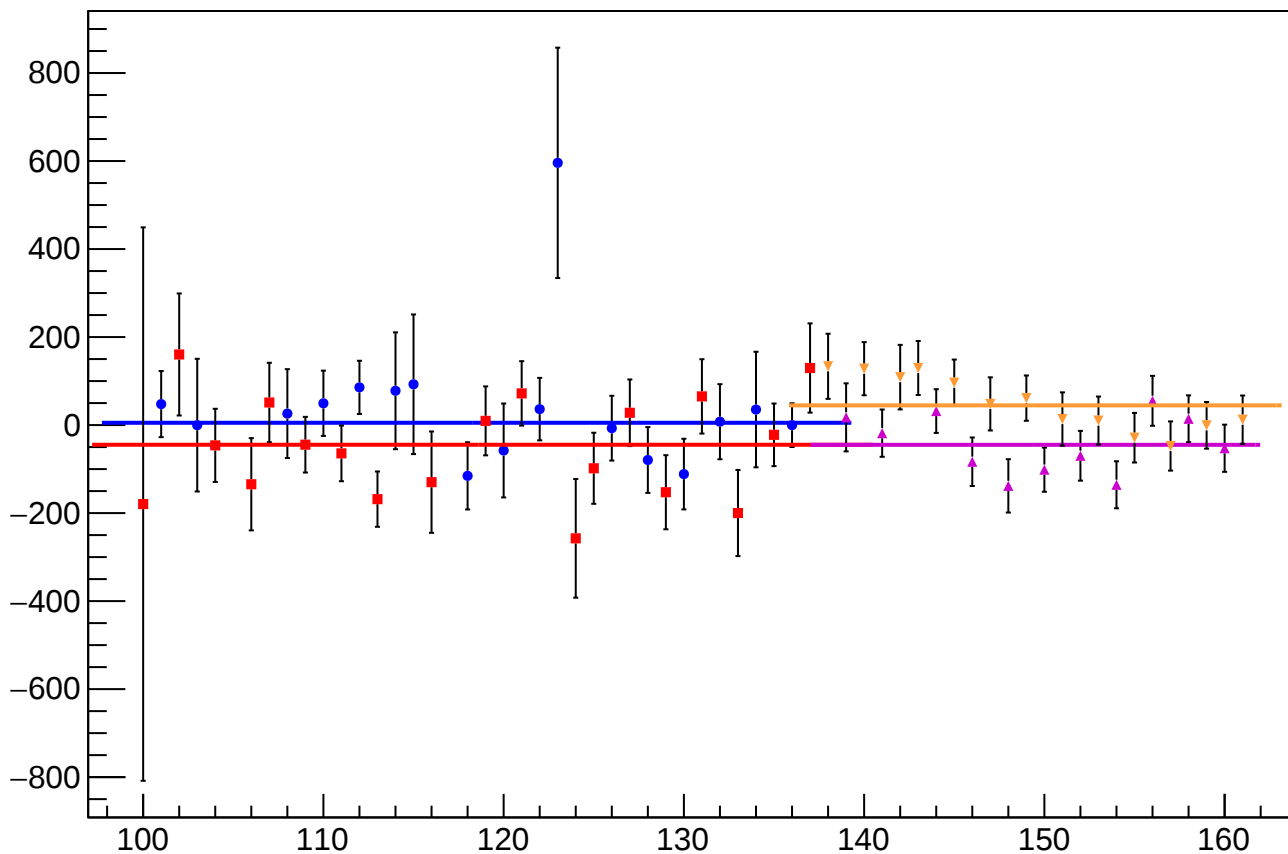
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 134.362+/-0.033 χ^2/NDF : 648276.9/10

138.699+/-0.032 χ^2/NDF : 934388.3/12

134.362+/-0.033 χ^2/NDF : 648276.9/10

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 $\pm$ 20.150 χ^2 /NDF: 14.7/16

29.347 $\pm$ 12.581 χ^2 /NDF: 30.3/29

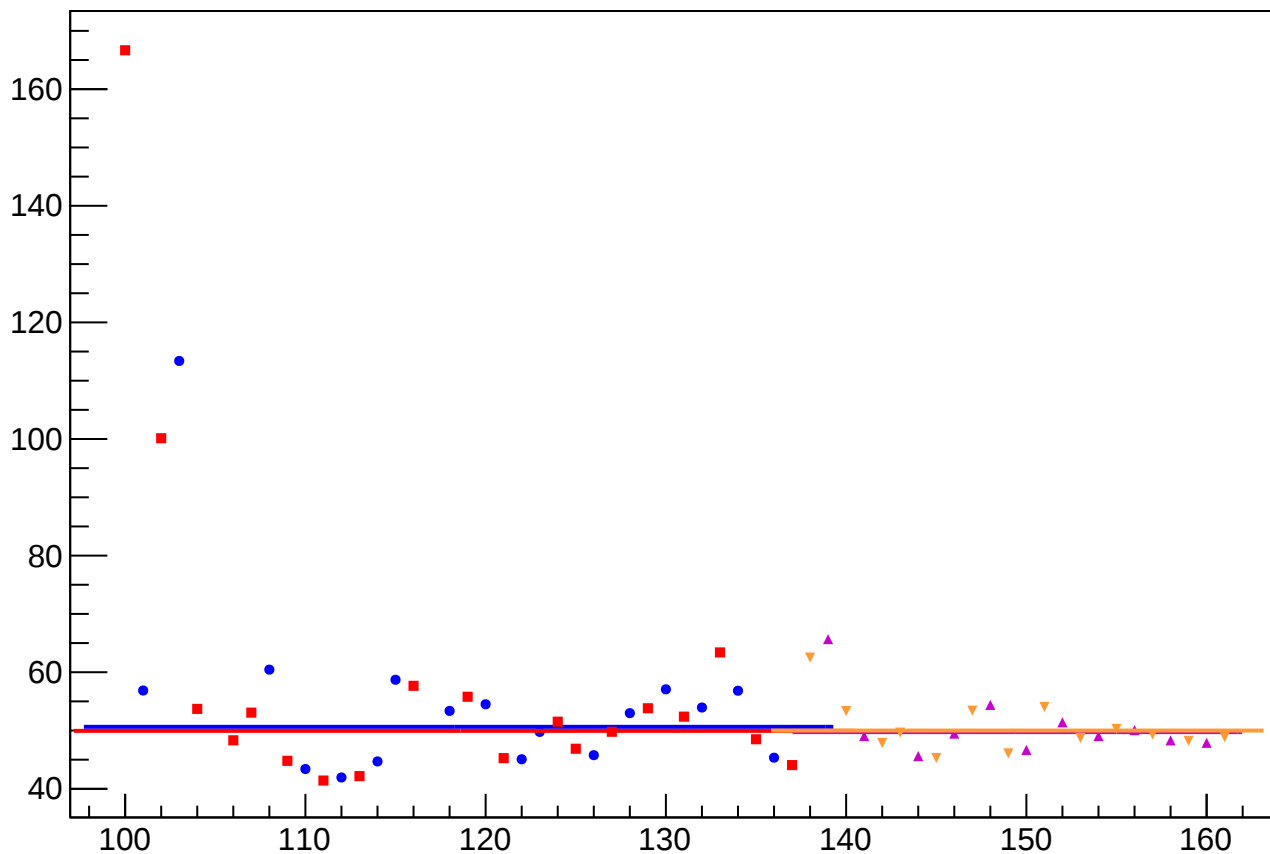
Left Out: 44.762 $\pm$ 16.107 χ^2 /NDF: 13.3/12

Right Out: -44.715 $\pm$ 19.410 χ^2 /NDF: 24.4/18

-44.798 $\pm$ 12.654 χ^2 /NDF: 39.2/29

Left In: -44.860 $\pm$ 16.687 χ^2 /NDF: 14.8/10

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.994 $\pm$ 0.011 χ^2 /NDF: 112650.5/12

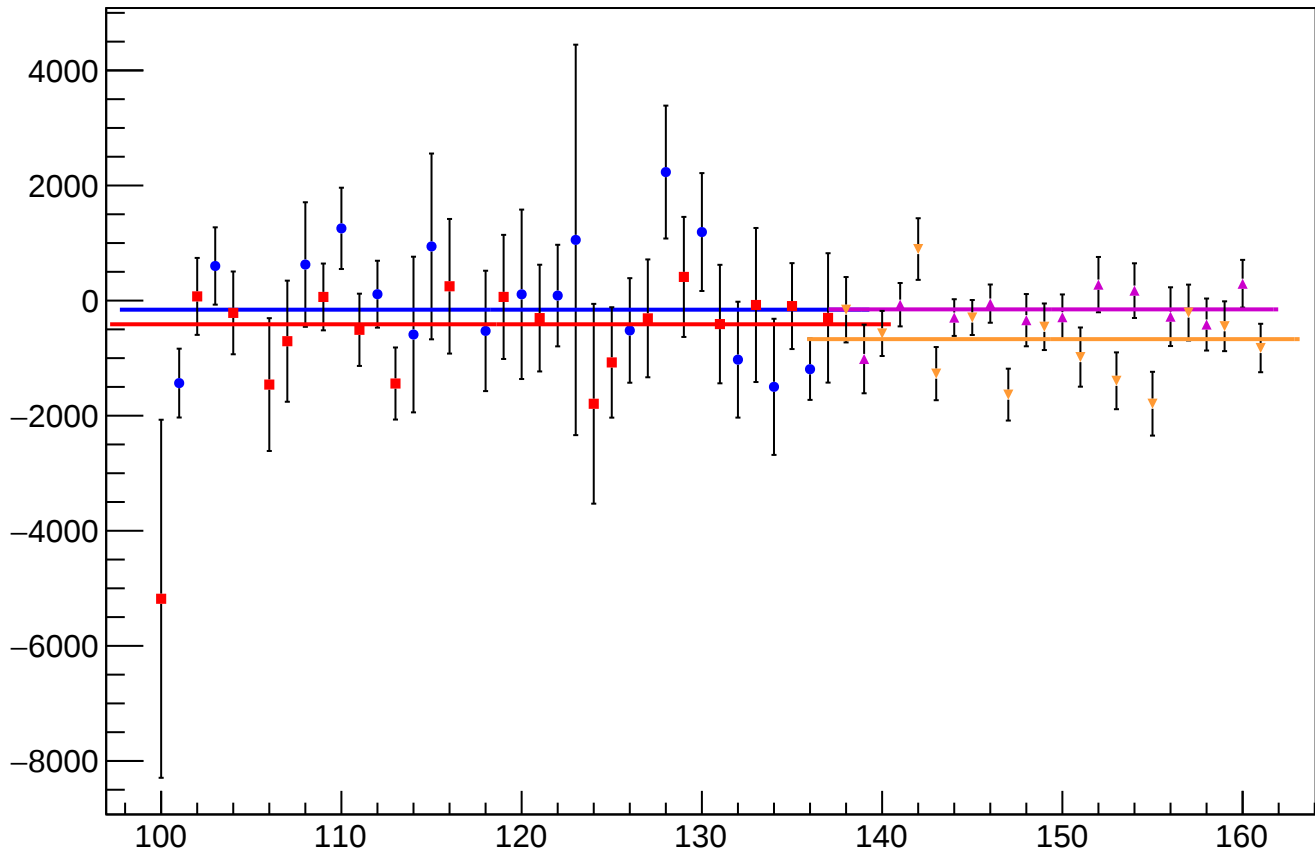
Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

Left In: 49.731 $\pm$ 0.012 χ^2 /NDF: 124344.0/10

50.244 $\pm$ 0.009 χ^2 /NDF: 633573.1/29

49.821 $\pm$ 0.009 χ^2 /NDF: 624969.6/29

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 ± 210.181 χ^2/NDF : 23.5/16

Left Out: -669.698 ± 123.086 χ^2/NDF : 25.4/12

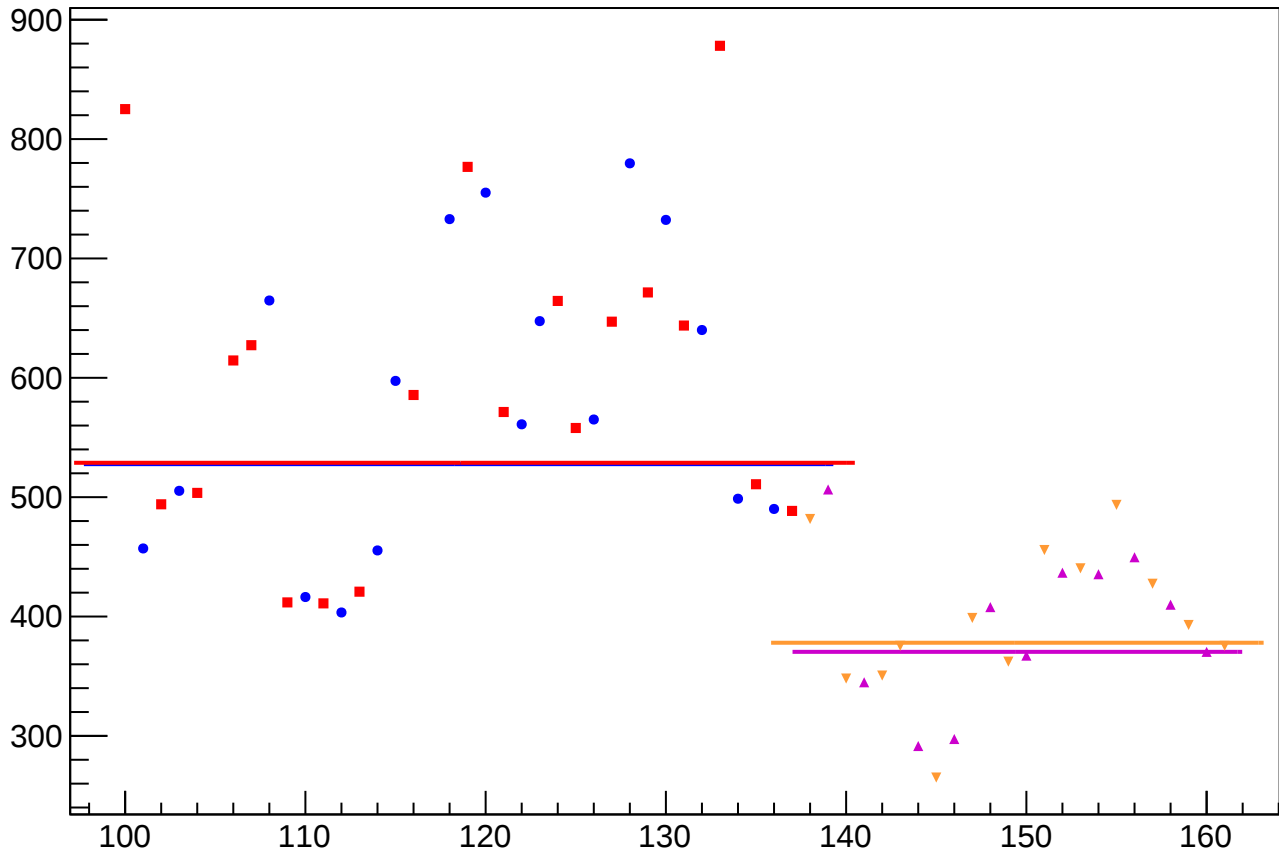
Right Out: -411.611 ± 203.633 χ^2/NDF : 9.8/18

Left In: -152.656 ± 125.690 χ^2/NDF : 5.5/10

-539.025 ± 106.214 χ^2/NDF : 53.3/29

-224.096 ± 106.956 χ^2/NDF : 16.5/29

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 378.045+/-0.087 χ^2/NDF : 554677.9/12

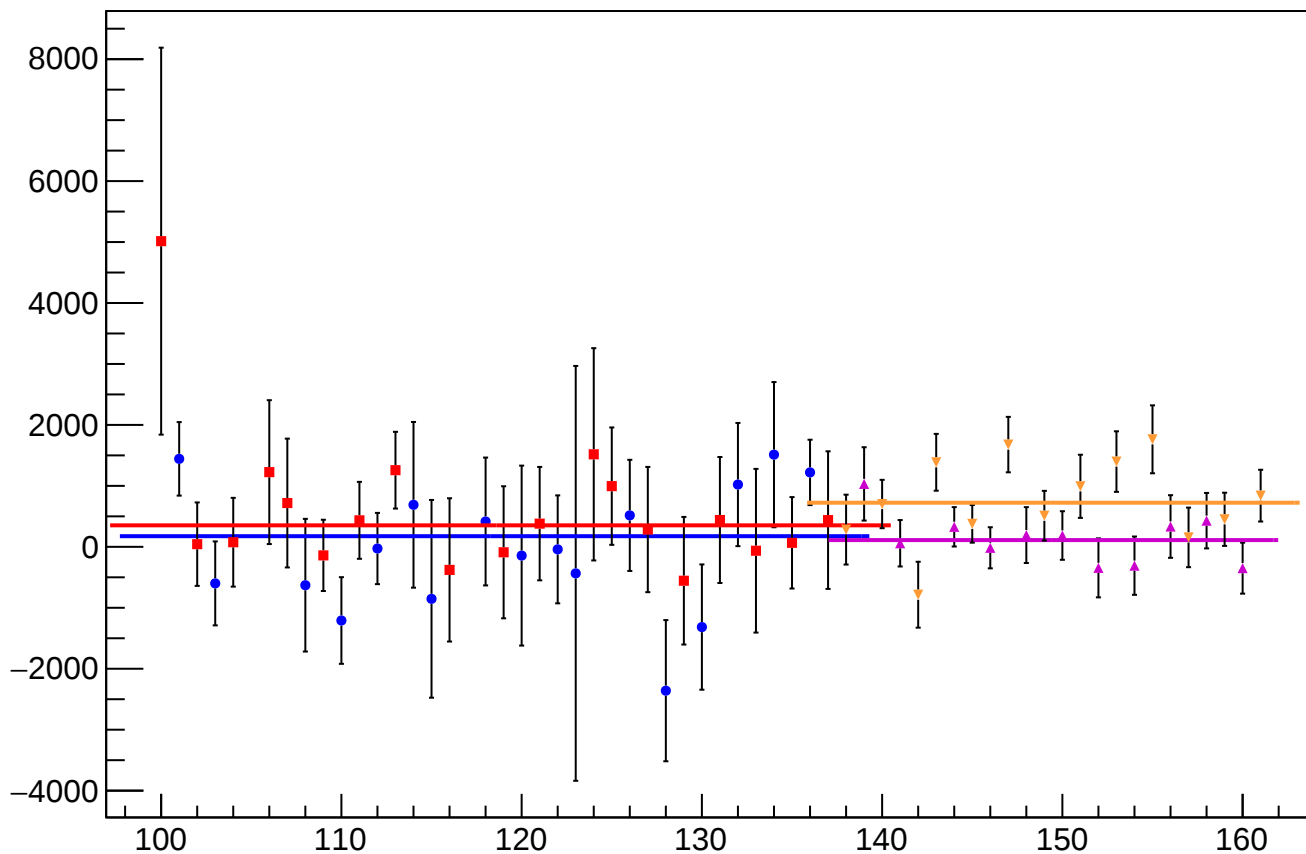
Right Out: 528.806+/-0.144 χ^2/NDF : 623364.6/18

Left In: 370.415+/-0.089 χ^2/NDF : 485000.9/10

416.253+/-0.075 χ^2/NDF : 1866759.1/29

414.111+/-0.076 χ^2/NDF : 1984575.8/29

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 ± 211.662 χ^2/NDF : 23.7/16

Left Out: 723.869 ± 124.255 χ^2/NDF : 23.8/12

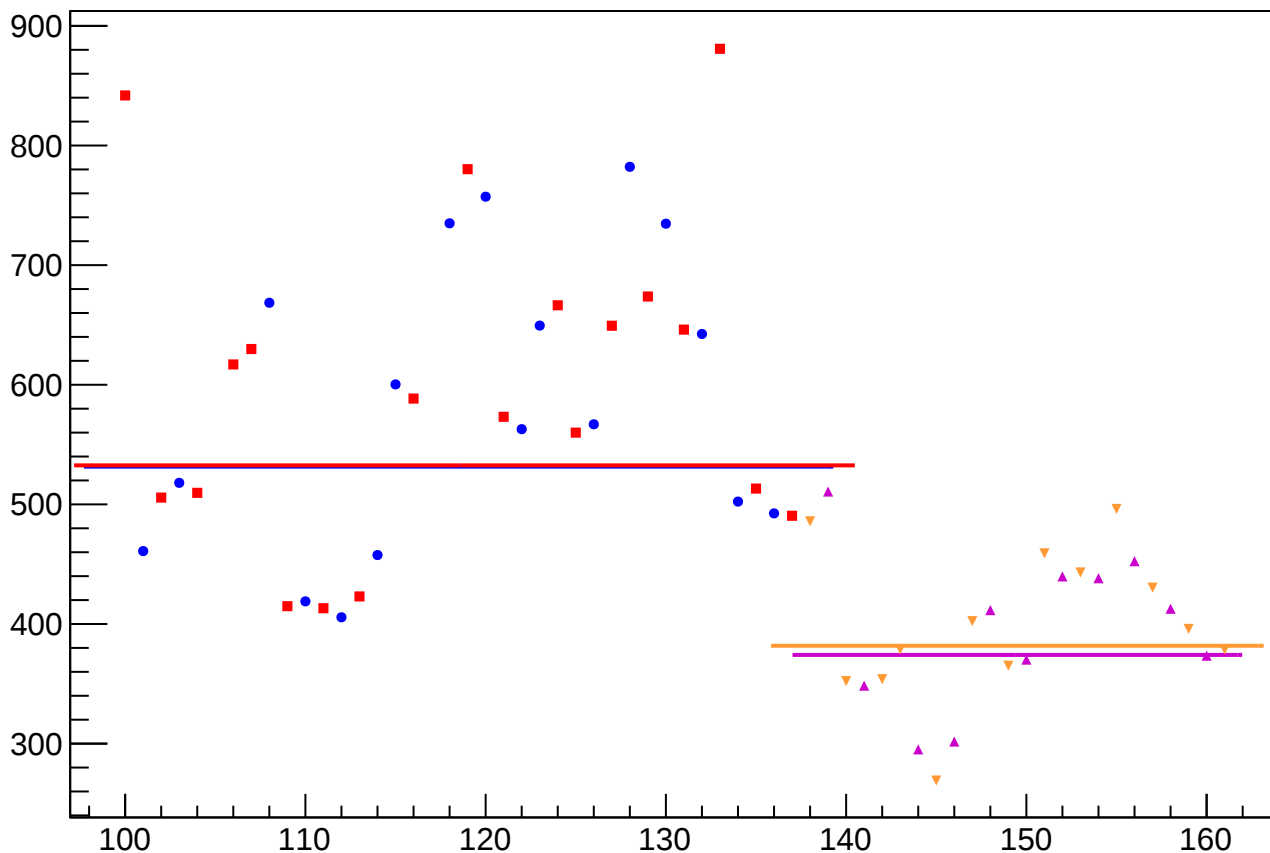
Right Out: 352.570 ± 205.204 χ^2/NDF : 8.4/18

Left In: 110.582 ± 126.901 χ^2/NDF : 6.6/10

583.095 ± 107.155 χ^2/NDF : 52.5/29

177.526 ± 107.930 χ^2/NDF : 16.0/29

asym_sam_1357_avg_rms vs Slug



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 381.807+/-0.088 χ^2/NDF : 537584.9/12

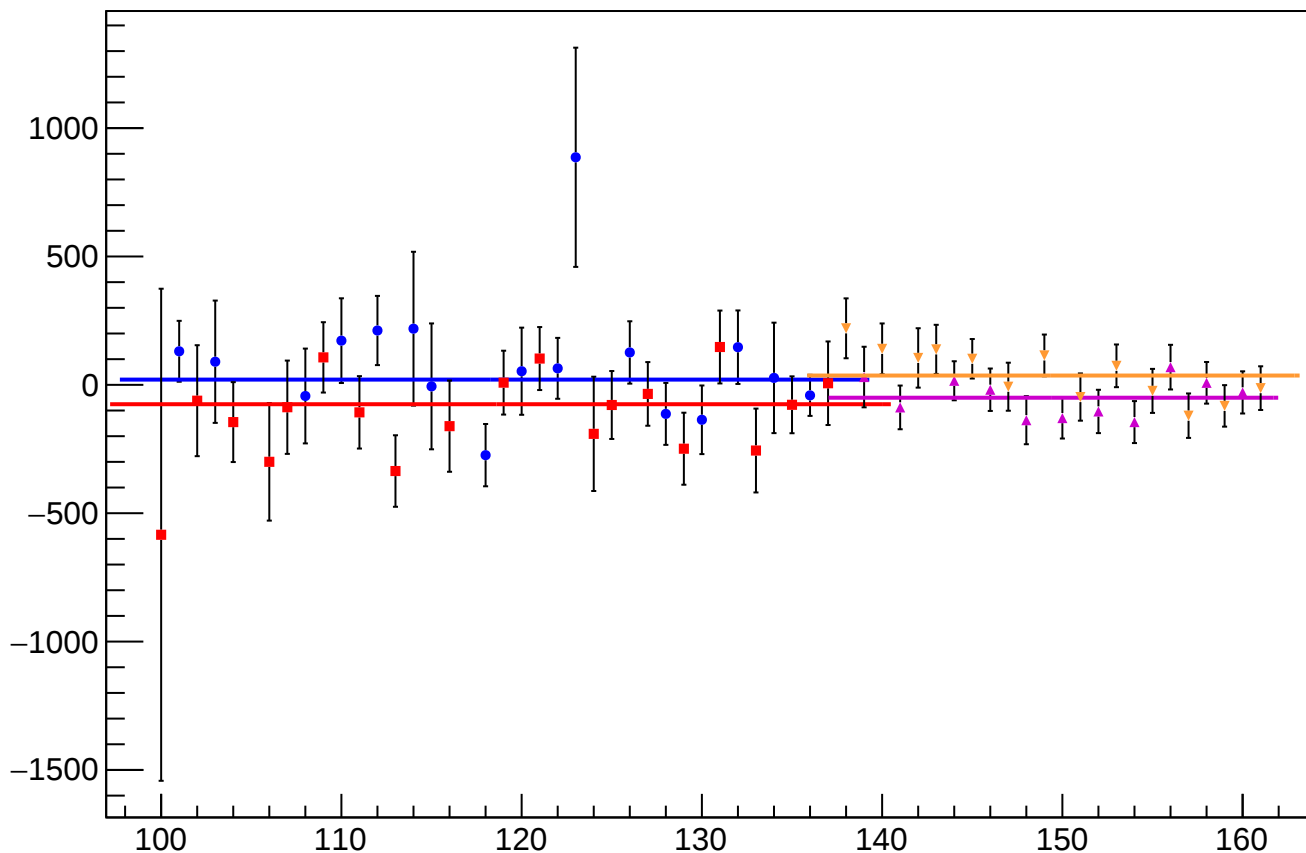
Right Out: 532.620+/-0.145 χ^2/NDF : 615746.2/18

Left In: 374.151+/-0.090 χ^2/NDF : 471295.1/10

420.186+/-0.076 χ^2/NDF : 1832170.8/29

417.990+/-0.076 χ^2/NDF : 1949827.7/29

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 ± 34.583 $\chi^2/\text{NDF}: 19.3/16$

Left Out: 36.275 ± 24.864 $\chi^2/\text{NDF}: 14.2/12$

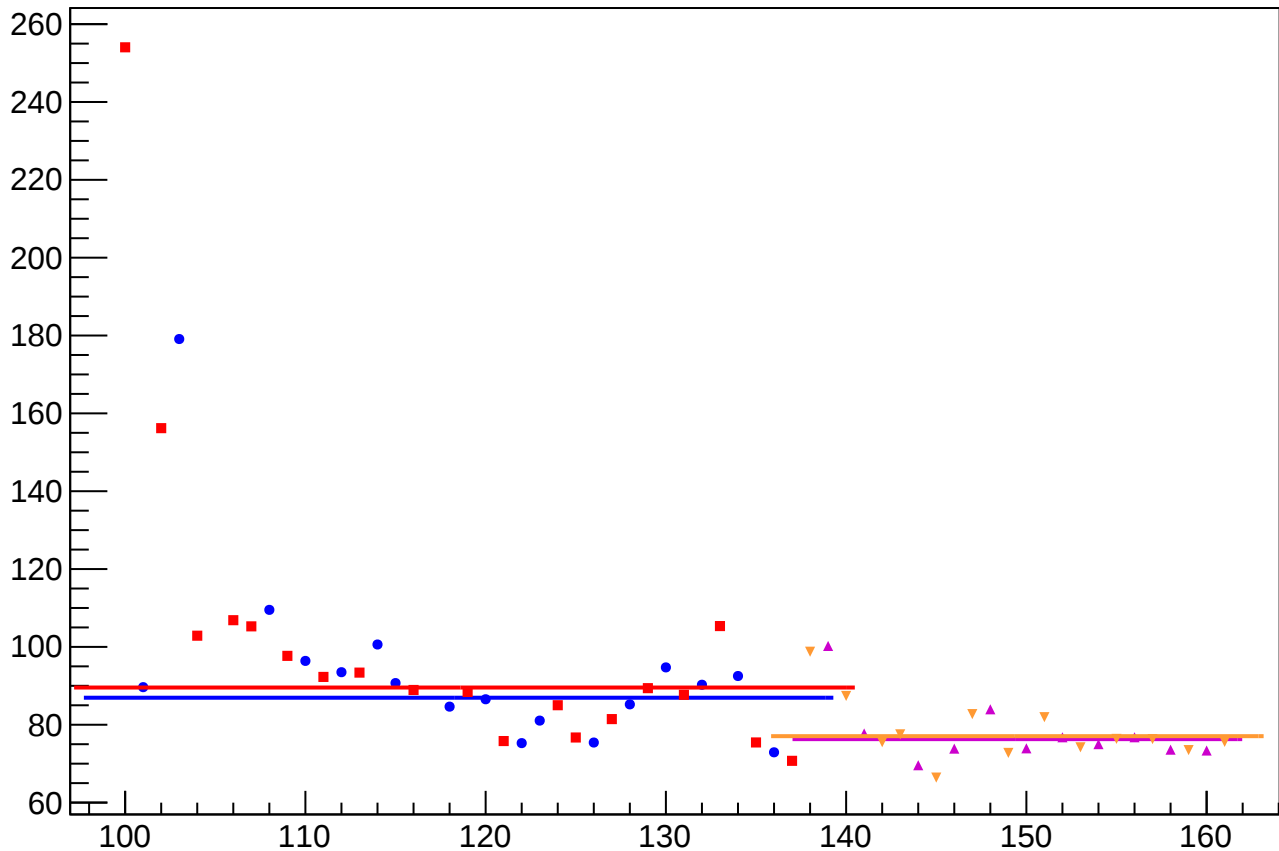
Right Out: -75.454 ± 34.698 $\chi^2/\text{NDF}: 15.4/18$

Left In: -50.145 ± 25.619 $\chi^2/\text{NDF}: 7.6/10$

30.879 ± 20.188 $\chi^2/\text{NDF}: 33.6/29$

-59.075 ± 20.610 $\chi^2/\text{NDF}: 23.4/29$

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 77.064+/-0.018 χ^2/NDF :155413.2/12

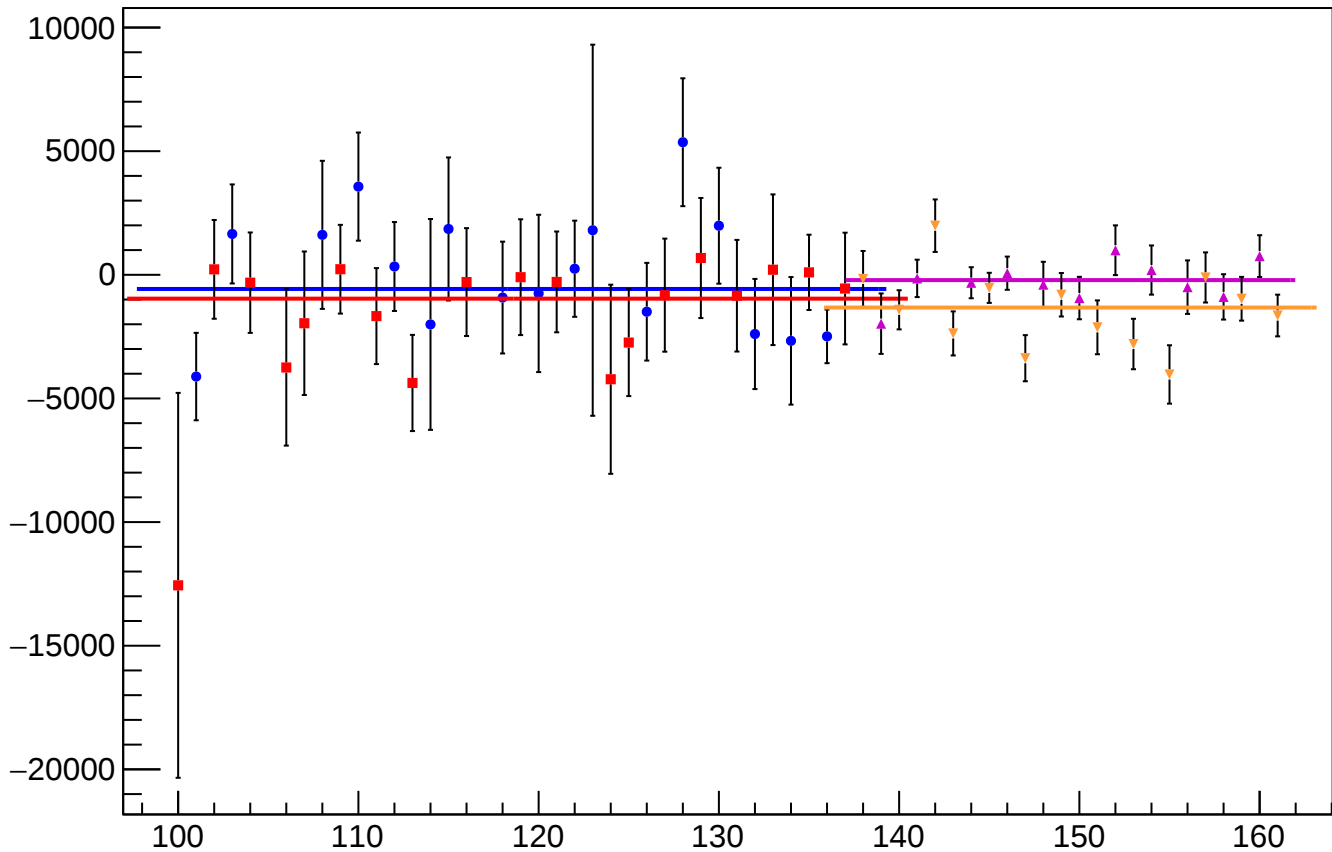
Right Out: 89.561+/-0.025 χ^2/NDF : 431229.7/18

Left In: 76.302+/-0.018 χ^2/NDF :120824.4/10

80.430+/-0.014 χ^2/NDF : 718800.1/29

80.980+/-0.015 χ^2/NDF : 741044.6/29

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -1323.912 ± 251.198 χ^2/NDF : 28.7/12

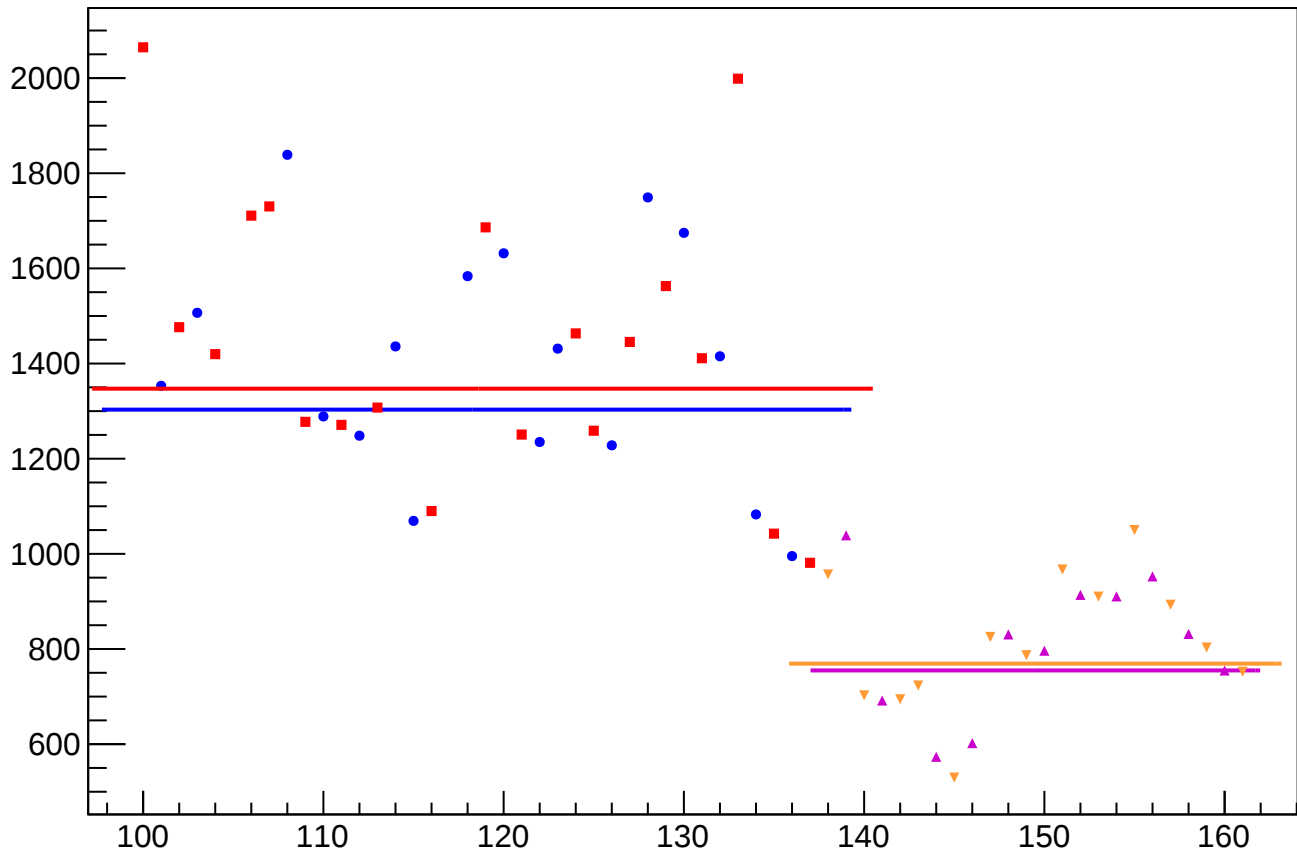
Right Out: -963.846 ± 514.621 χ^2/NDF : 10.1/18

Left In: -213.824 ± 256.951 χ^2/NDF : 6.6/10

-1180.380 ± 225.942 χ^2/NDF : 52.3/29

-363.493 ± 229.888 χ^2/NDF : 18.4/29

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 769.272+/-0.178 χ^2/NDF : 653370.1/12

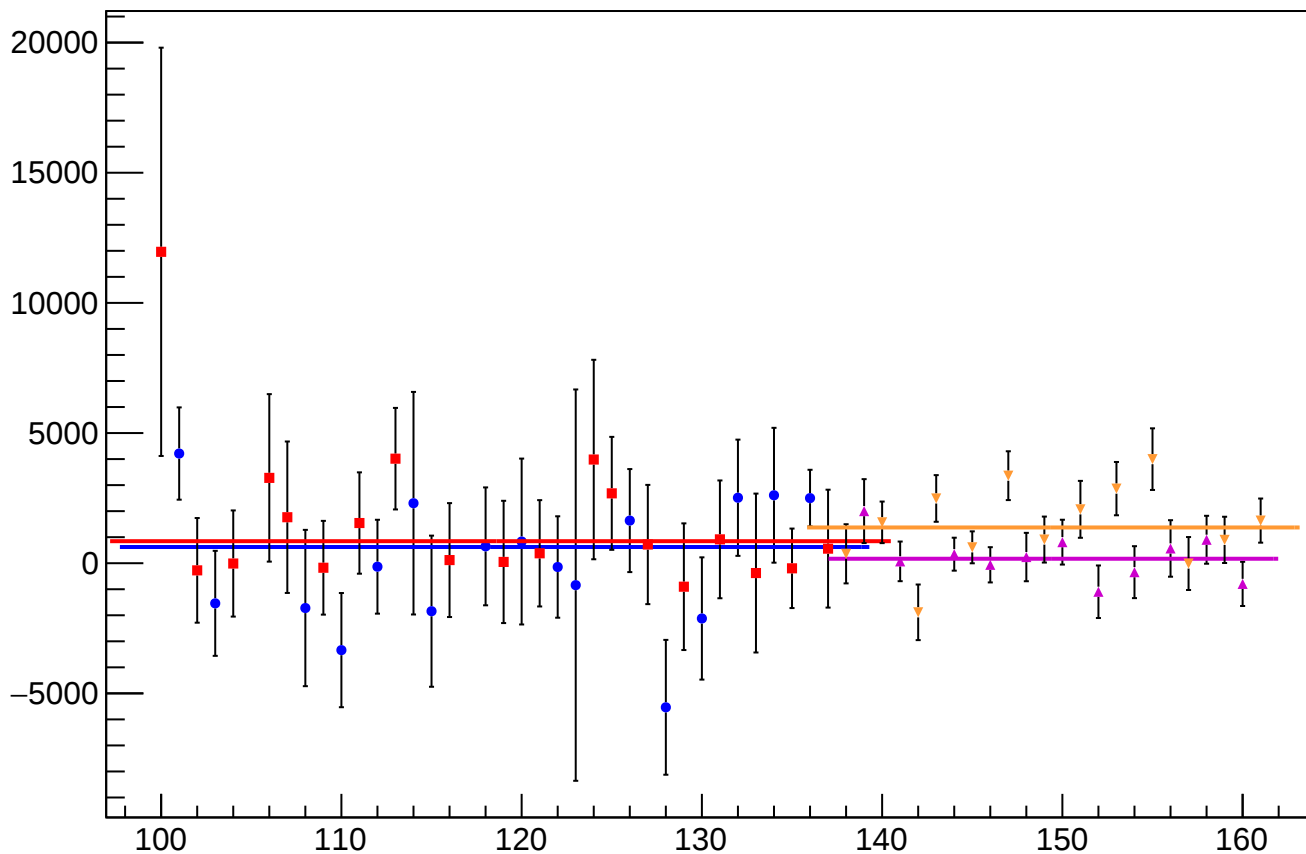
Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

Left In: 754.947+/-0.182 χ^2/NDF : 590331.9/10

871.240+/-0.160 χ^2/NDF : 2830944.2/29

873.128+/-0.163 χ^2/NDF : 3131263.5/29

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 ± 518.496 χ^2/NDF : 22.0/16

Left Out: 1373.206 ± 252.596 χ^2/NDF : 27.7/12

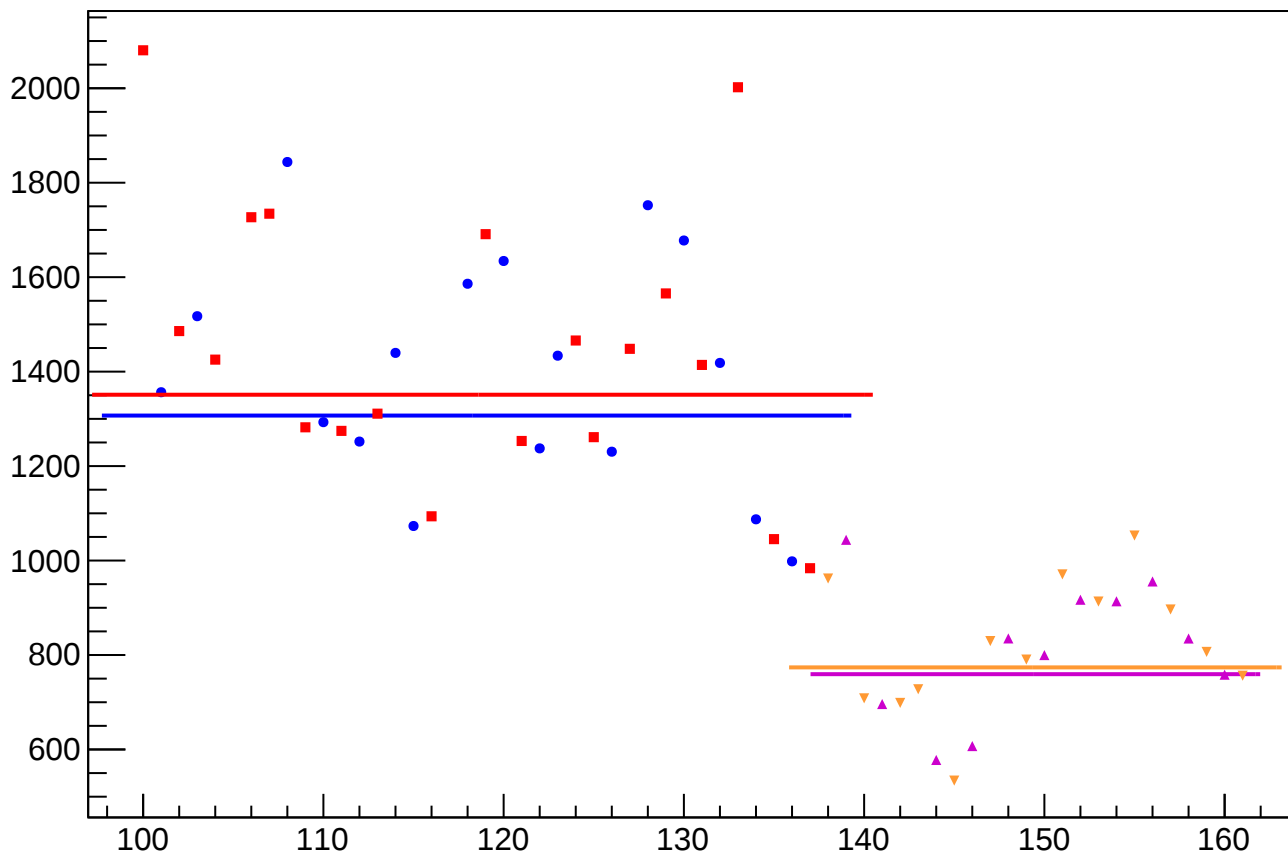
Right Out: 846.021 ± 516.325 χ^2/NDF : 9.1/18

Left In: 171.610 ± 258.390 χ^2/NDF : 6.9/10

1229.196 ± 227.082 χ^2/NDF : 51.4/29

306.683 ± 231.071 χ^2/NDF : 17.3/29

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 ± 0.367 χ^2/NDF : 451191.7/16

Left Out: 773.782 ± 0.179 χ^2/NDF : 642501.4/12

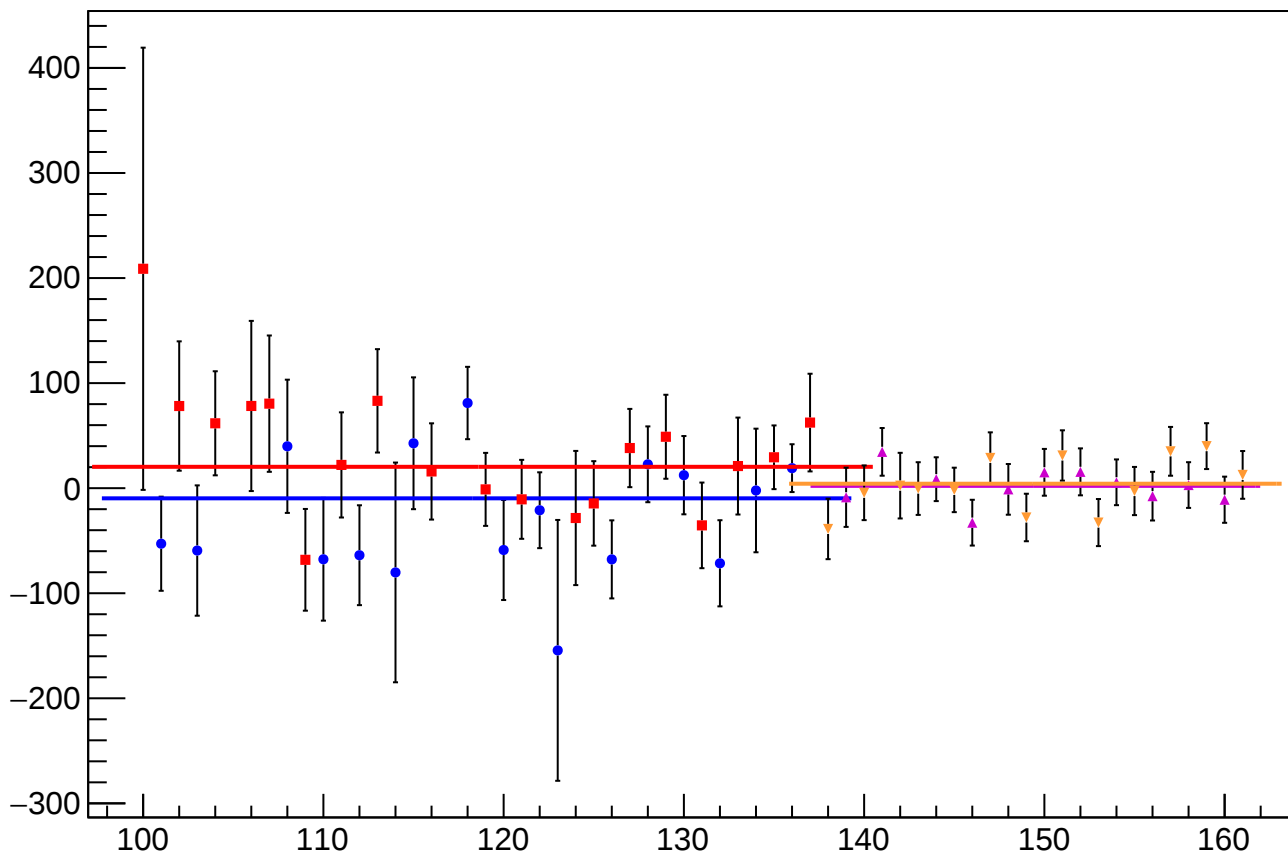
Right Out: 1351.096 ± 0.365 χ^2/NDF : 421804.6/18

Left In: 759.414 ± 0.183 χ^2/NDF : 580358.7/10

876.055 ± 0.161 χ^2/NDF : 2803039.7/29

877.918 ± 0.163 χ^2/NDF : 3102540.4/29

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 4.237 ± 6.637 χ^2/NDF : 14.2/12

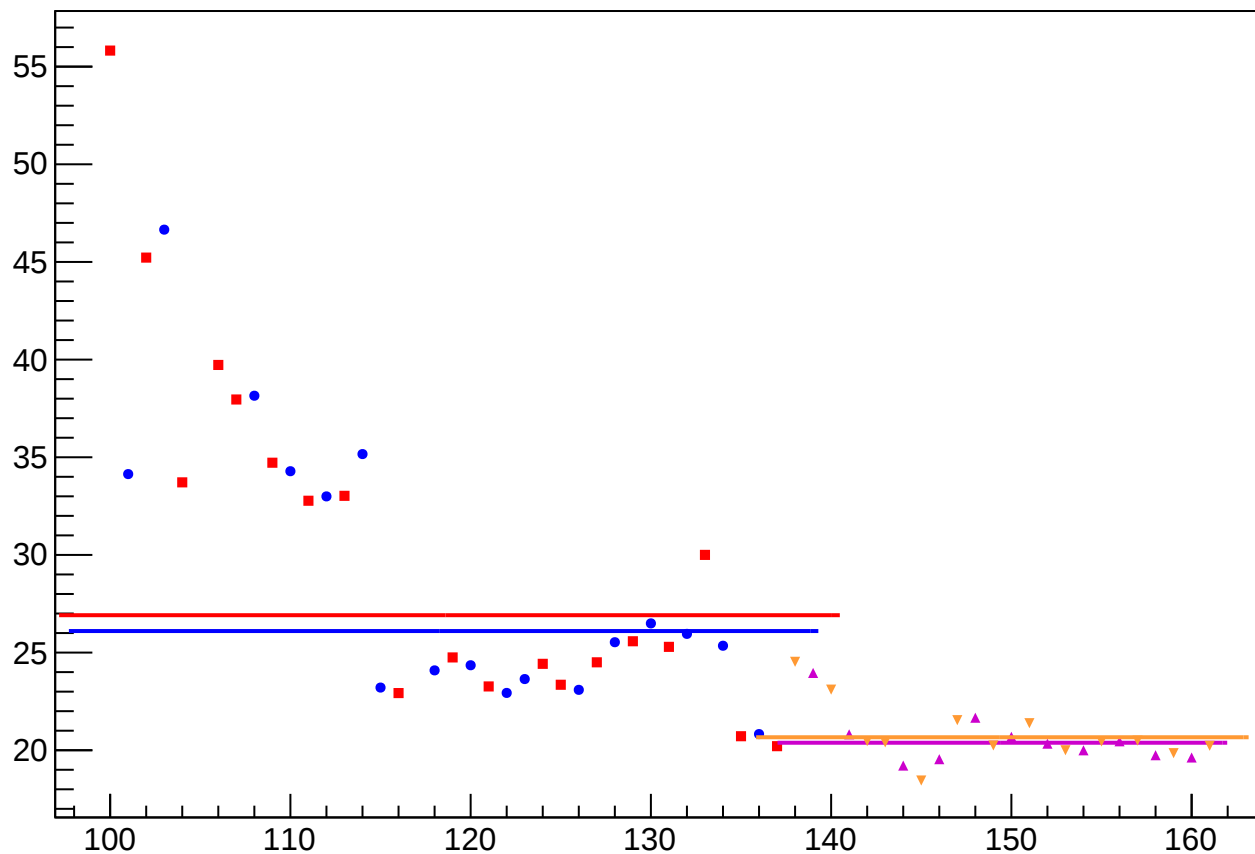
Right Out: 20.335 ± 10.444 χ^2/NDF : 14.7/18

Left In: 2.205 ± 6.820 χ^2/NDF : 6.1/10

0.217 ± 5.596 χ^2/NDF : 38.0/29

7.625 ± 5.710 χ^2/NDF : 22.9/29

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 20.665+/-0.005 χ^2/NDF : 86456.4/12

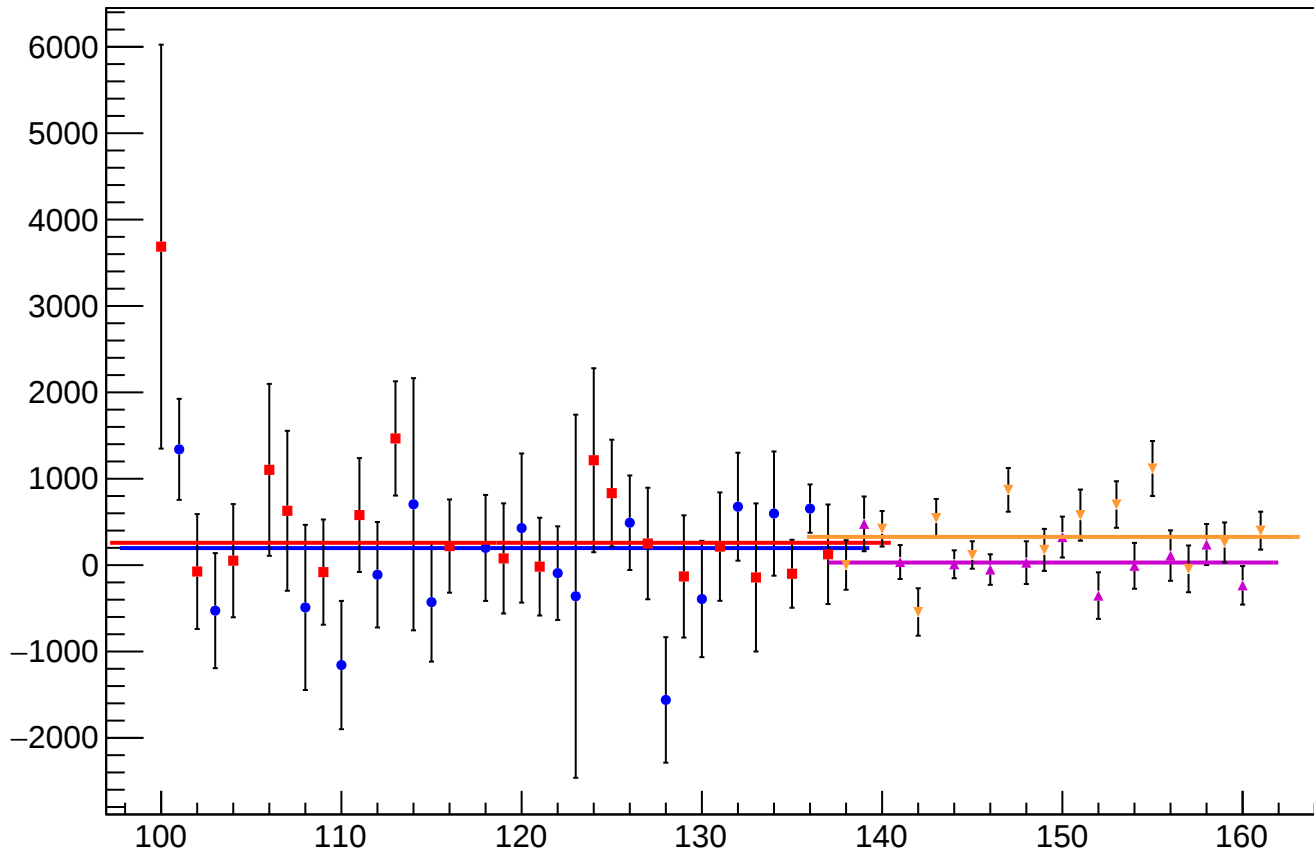
Right Out: 26.914+/-0.007 χ^2/NDF : 678970.2/18

Left In: 20.384+/-0.005 χ^2/NDF : 52912.3/10

22.237+/-0.004 χ^2/NDF : 1078615.8/29

22.336+/-0.004 χ^2/NDF : 1279981.0/29

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 326.803 ± 65.976 χ^2/NDF : 30.1/12

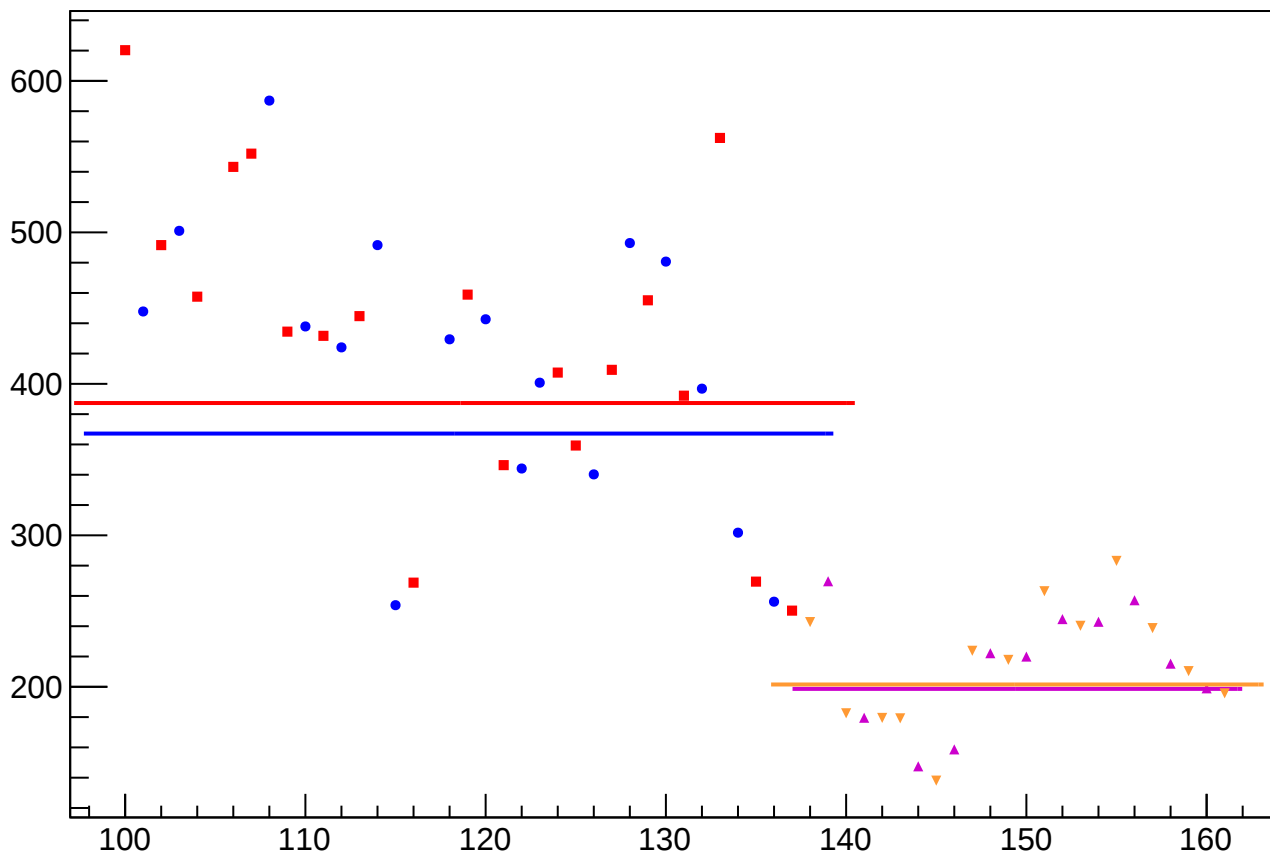
Right Out: 258.537 ± 149.867 χ^2/NDF : 10.7/18

Left In: 30.046 ± 67.745 χ^2/NDF : 8.1/10

305.310 ± 60.252 χ^2/NDF : 51.7/29

68.813 ± 61.731 χ^2/NDF : 20.7/29

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2/NDF : 827148.2/16

Left Out: 201.532 $\pm$ 0.047 χ^2/NDF : 736331.4/12

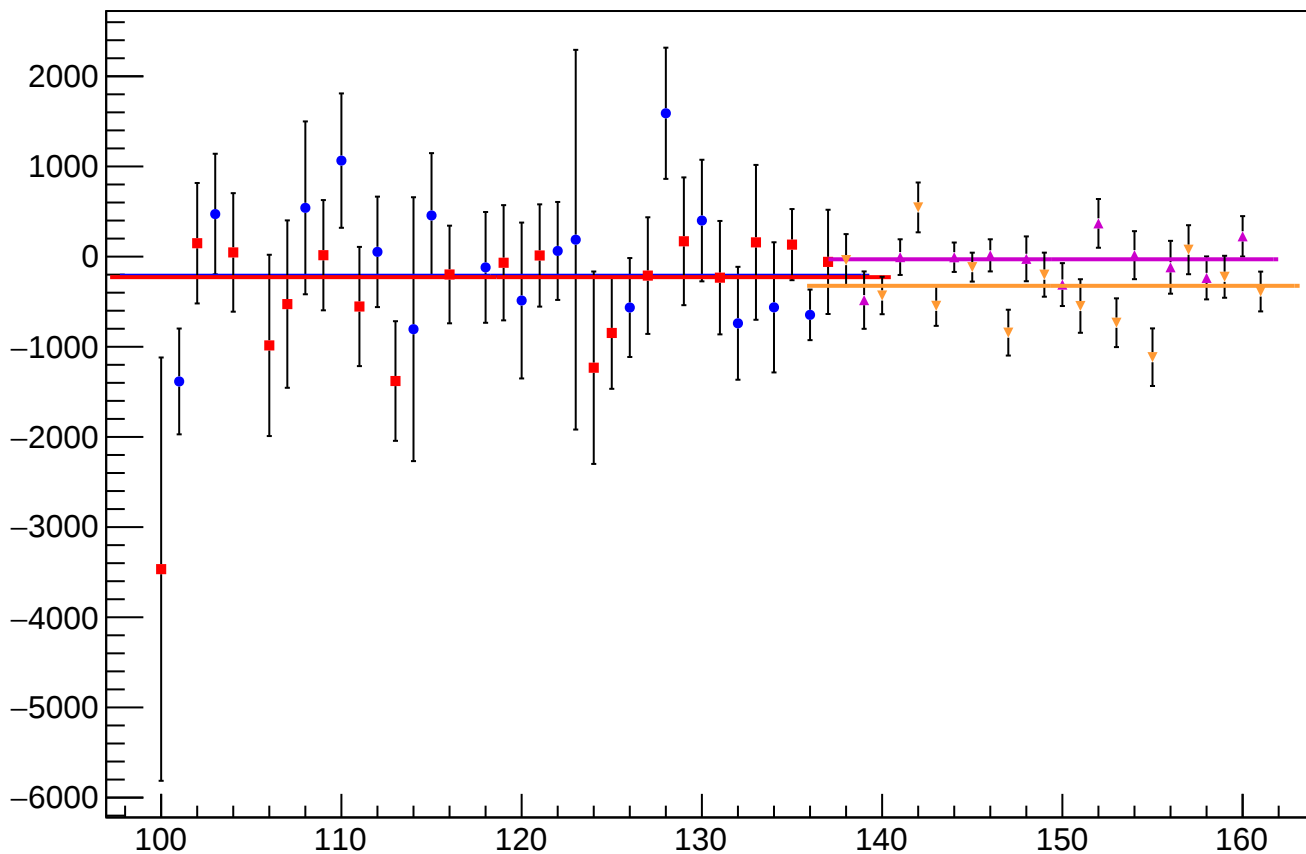
Right Out: 387.344 $\pm$ 0.106 χ^2/NDF : 774562.4/18

Left In: 198.623 $\pm$ 0.048 χ^2/NDF : 660222.4/10

229.029 $\pm$ 0.043 χ^2/NDF : 3656308.1/29

230.643 $\pm$ 0.044 χ^2/NDF : 4068128.2/29

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -323.882+/-66.362 χ^2/NDF : 29.7/12

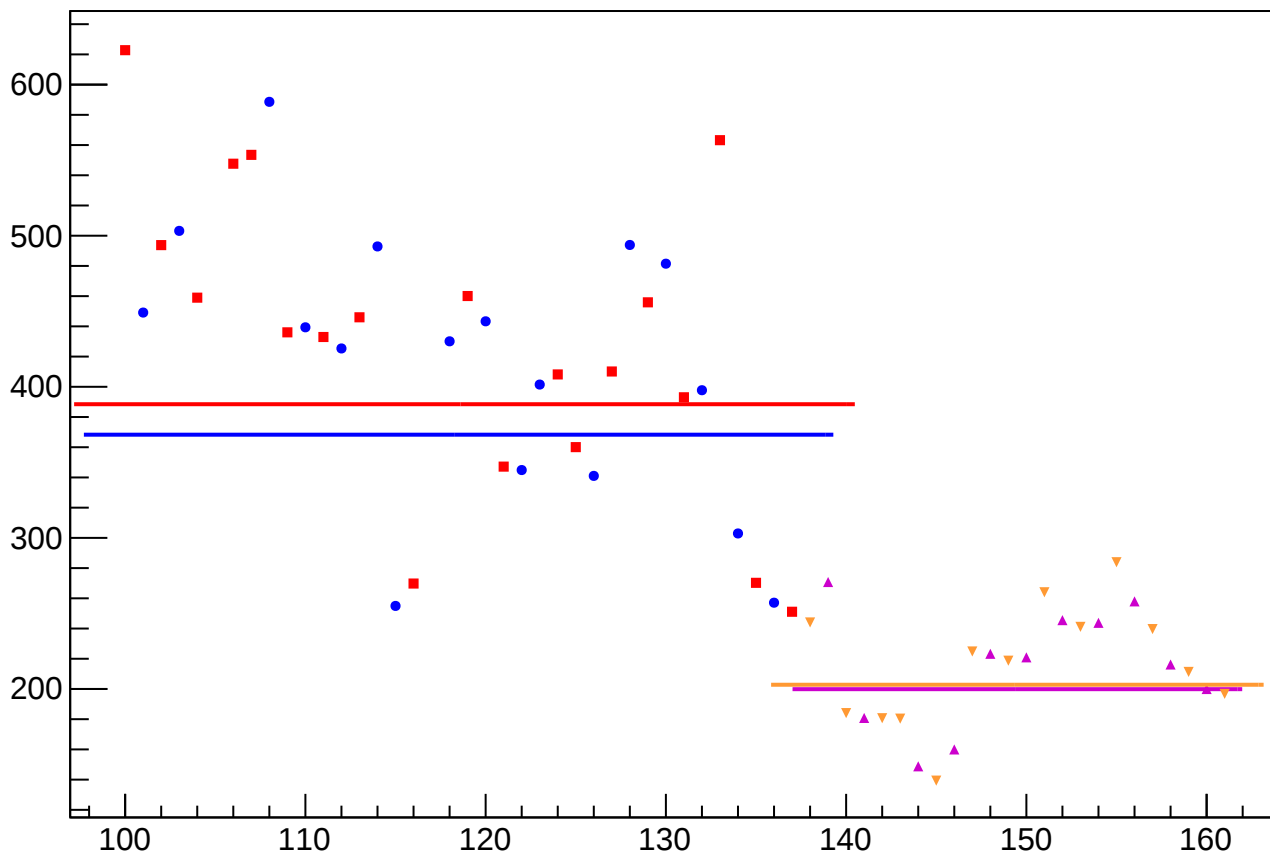
Right Out: -227.831+/-150.317 χ^2/NDF : 10.1/18

Left In: -29.574+/-68.140 χ^2/NDF : 7.8/10

-305.196+/-60.575 χ^2/NDF : 51.2/29

-63.369+/-62.061 χ^2/NDF : 19.3/29

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302+/-0.105 χ^2/NDF : 824619.2/16

Left Out: 202.798+/-0.047 χ^2/NDF : 722135.9/12

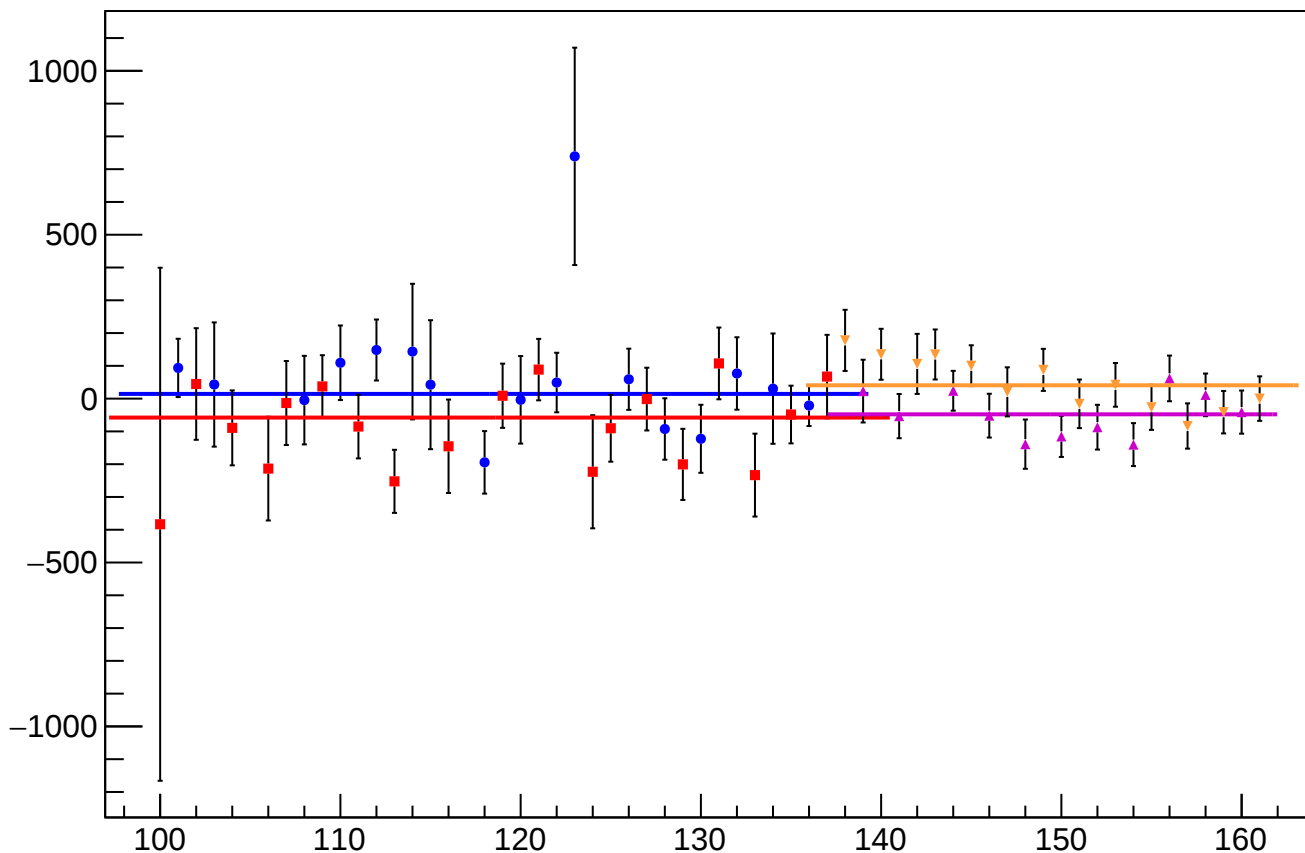
Right Out: 388.472+/-0.106 χ^2/NDF : 774717.2/18

Left In: 199.866+/-0.048 χ^2/NDF : 647266.6/10

230.405+/-0.043 χ^2/NDF : 3621736.3/29

232.017+/-0.044 χ^2/NDF : 4033926.4/29

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 40.709 $\pm$ 19.870 χ^2 /NDF:13.9/12

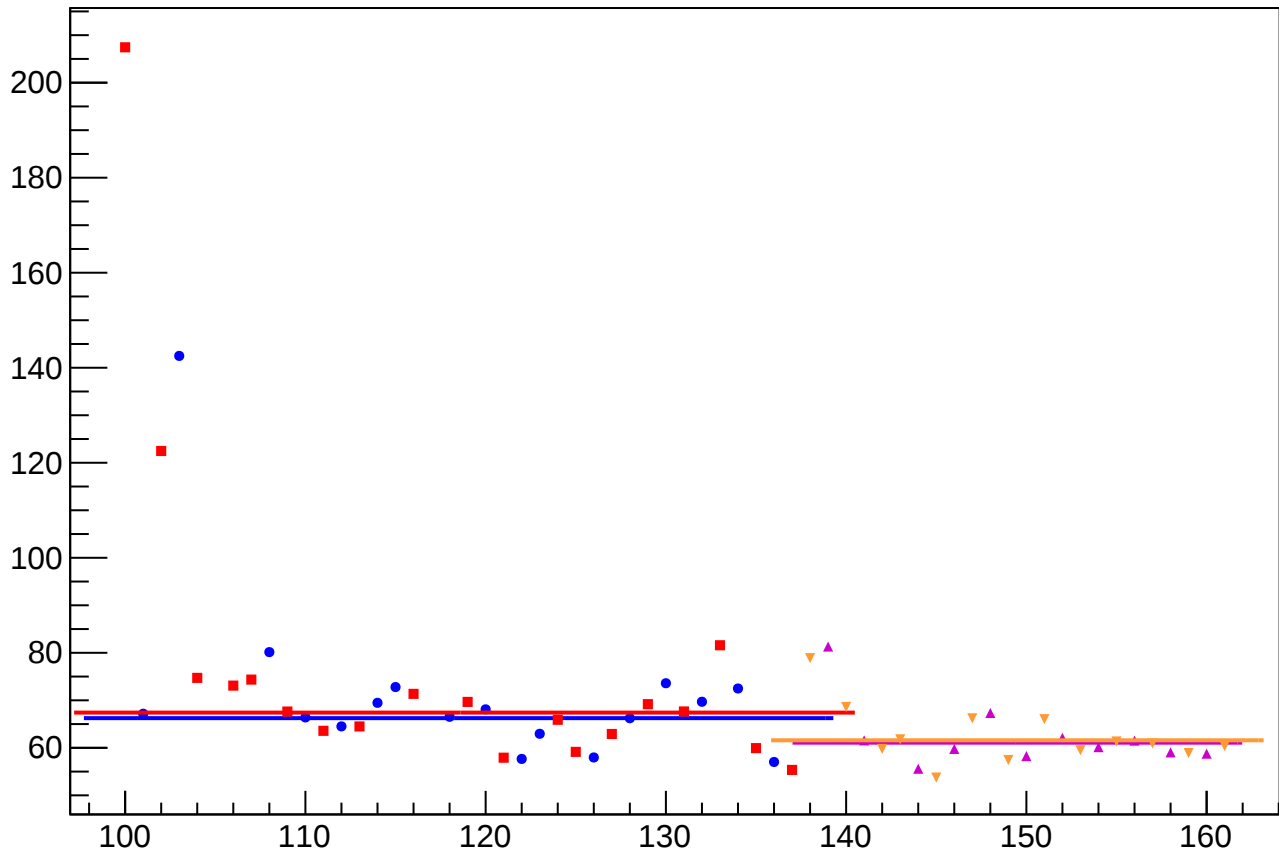
Right Out: -57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

Left In: -47.866 $\pm$ 20.513 χ^2 /NDF:10.2/10

31.159 $\pm$ 15.861 χ^2 /NDF: 32.2/29

-51.653 $\pm$ 16.133 χ^2 /NDF: 28.7/29

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247 ± 0.019 $\chi^2/\text{NDF}: 440944.2/16$

Left Out: 61.585 ± 0.014 $\chi^2/\text{NDF}: 146995.9/12$

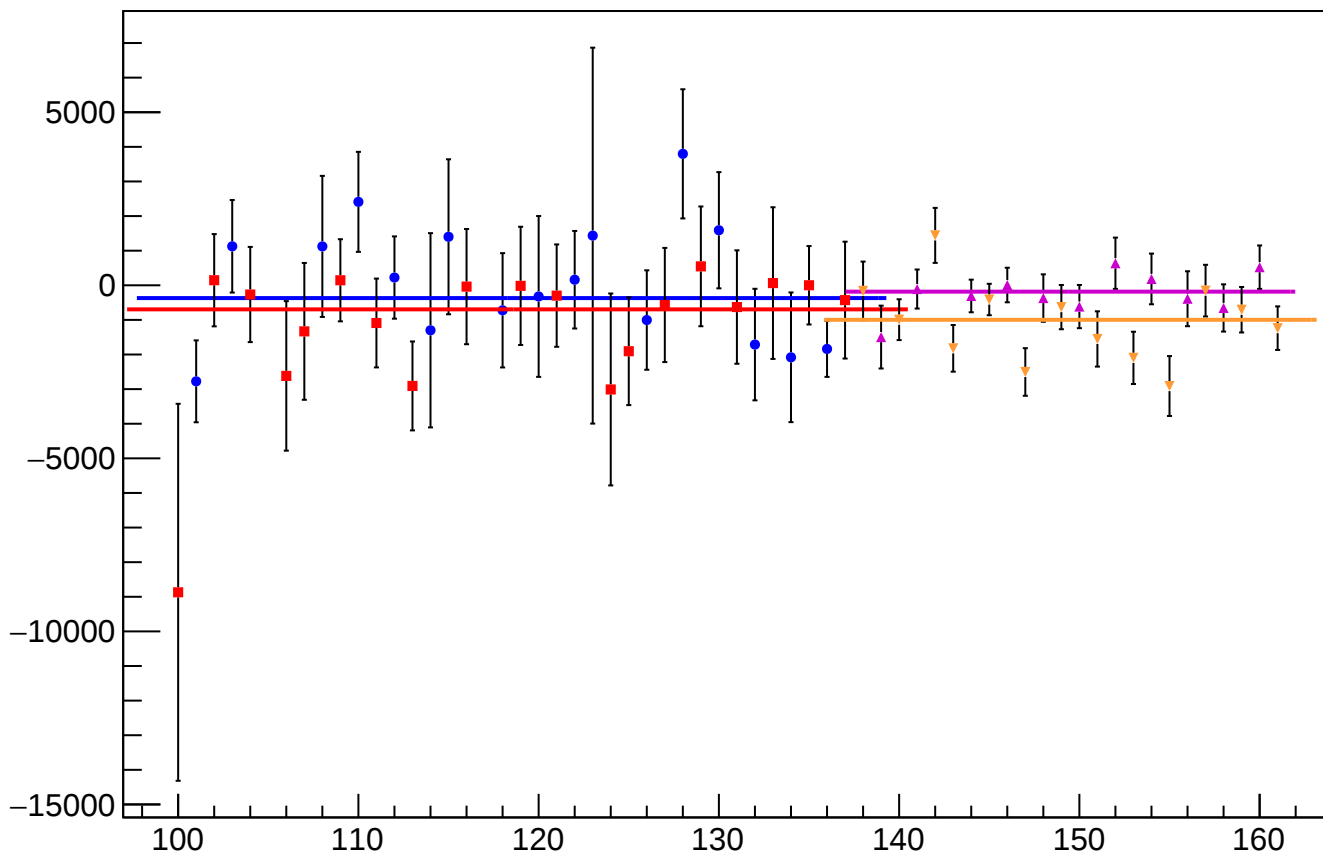
Right Out: 67.415 ± 0.018 $\chi^2/\text{NDF}: 393608.5/18$

Left In: 61.084 ± 0.015 $\chi^2/\text{NDF}: 129856.1/10$

63.276 ± 0.011 $\chi^2/\text{NDF}: 627884.7/29$

63.499 ± 0.011 $\chi^2/\text{NDF}: 596137.0/29$

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -997.073+/-186.486 χ^2/NDF : 27.8/12

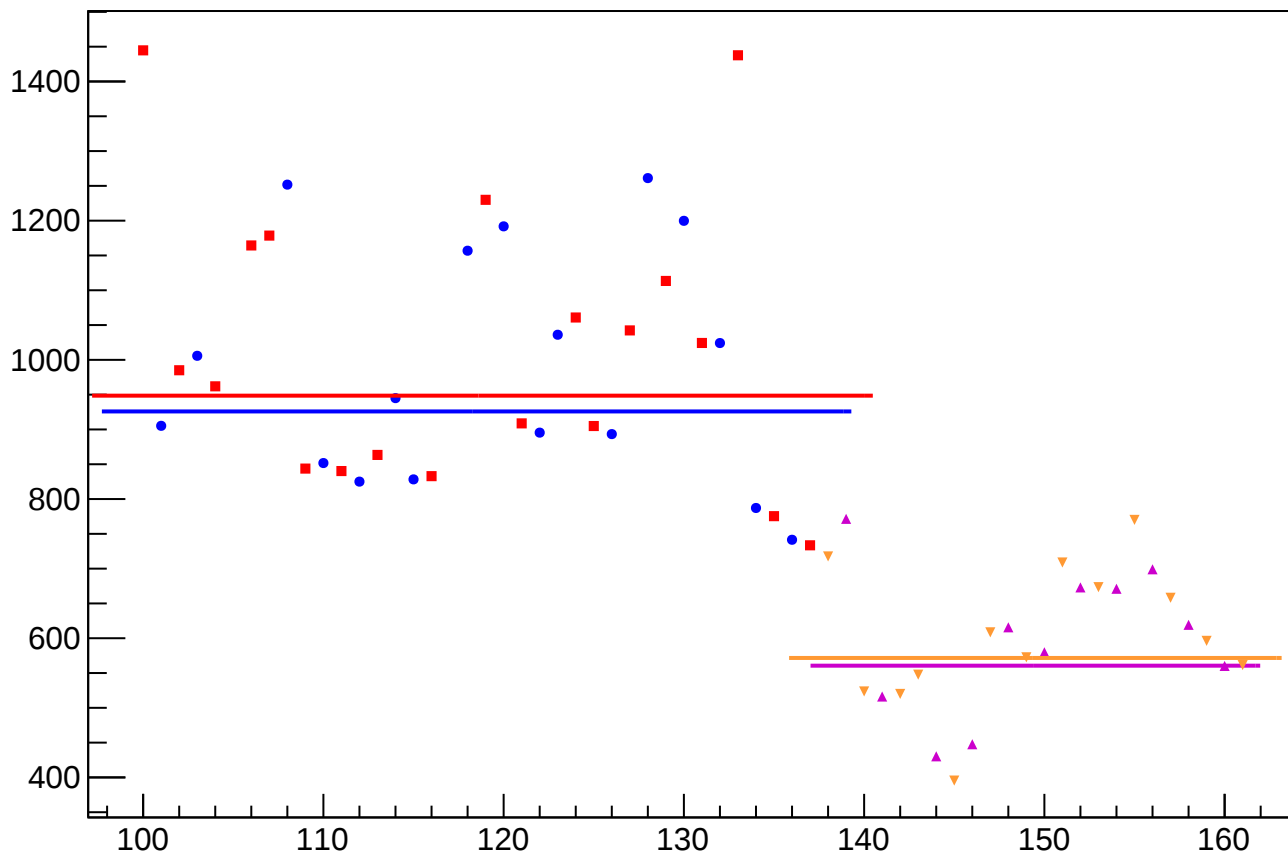
Right Out: -695.425+/-361.887 χ^2/NDF : 9.9/18

Left In: -183.806+/-190.608 χ^2/NDF : 6.2/10

-867.977+/-166.201 χ^2/NDF : 52.4/29

-294.914+/-168.645 χ^2/NDF : 17.7/29

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2/NDF : 391084.5/16

Left Out: 571.658 $\pm$ 0.132 χ^2/NDF : 621163.0/12

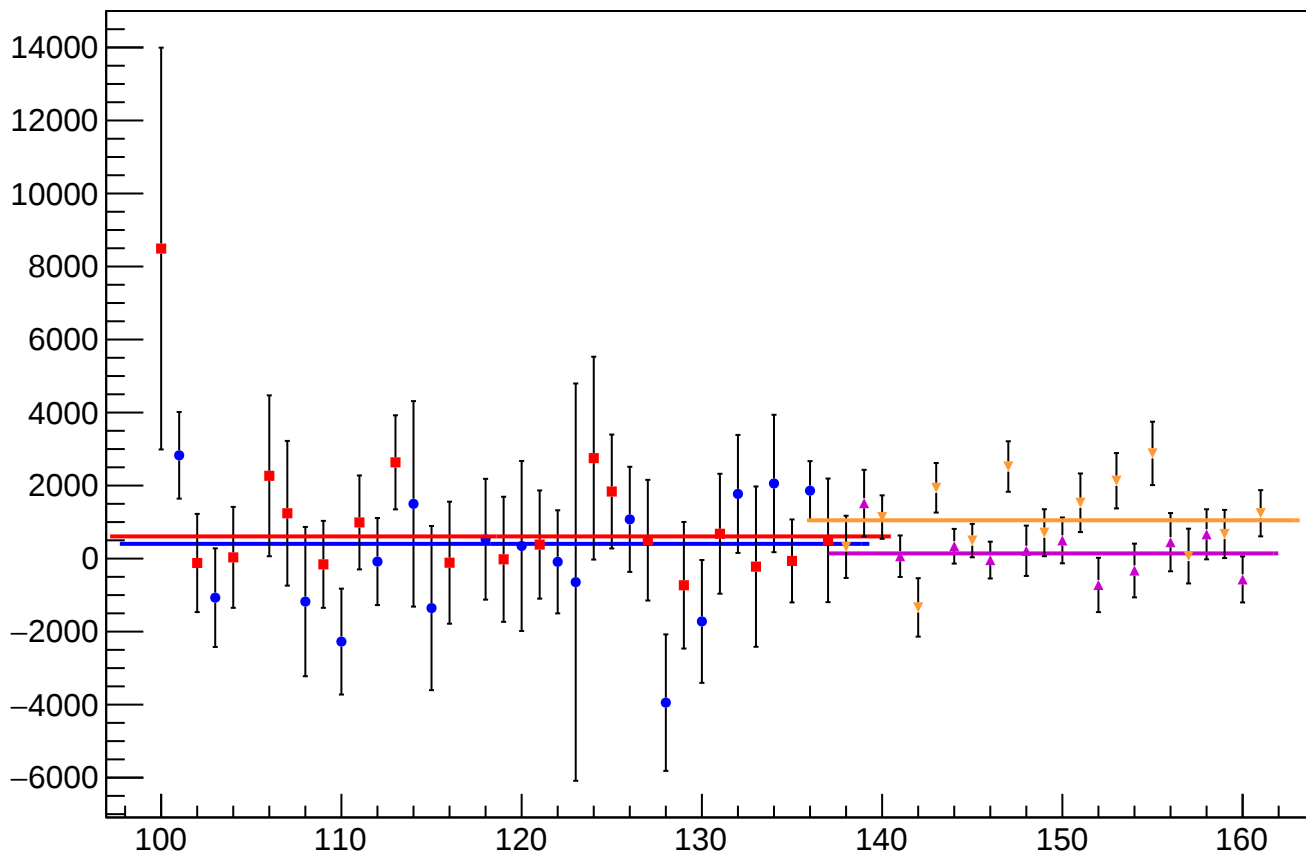
Right Out: 948.553 $\pm$ 0.256 χ^2/NDF : 381931.9/18

Left In: 560.566 $\pm$ 0.135 χ^2/NDF : 557608.2/10

644.530 $\pm$ 0.118 χ^2/NDF : 2496739.1/29

644.825 $\pm$ 0.119 χ^2/NDF : 2739176.5/29

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591 ± 367.686 χ^2/NDF : 22.4/16

Left Out: 1049.042 ± 187.679 χ^2/NDF : 26.6/12

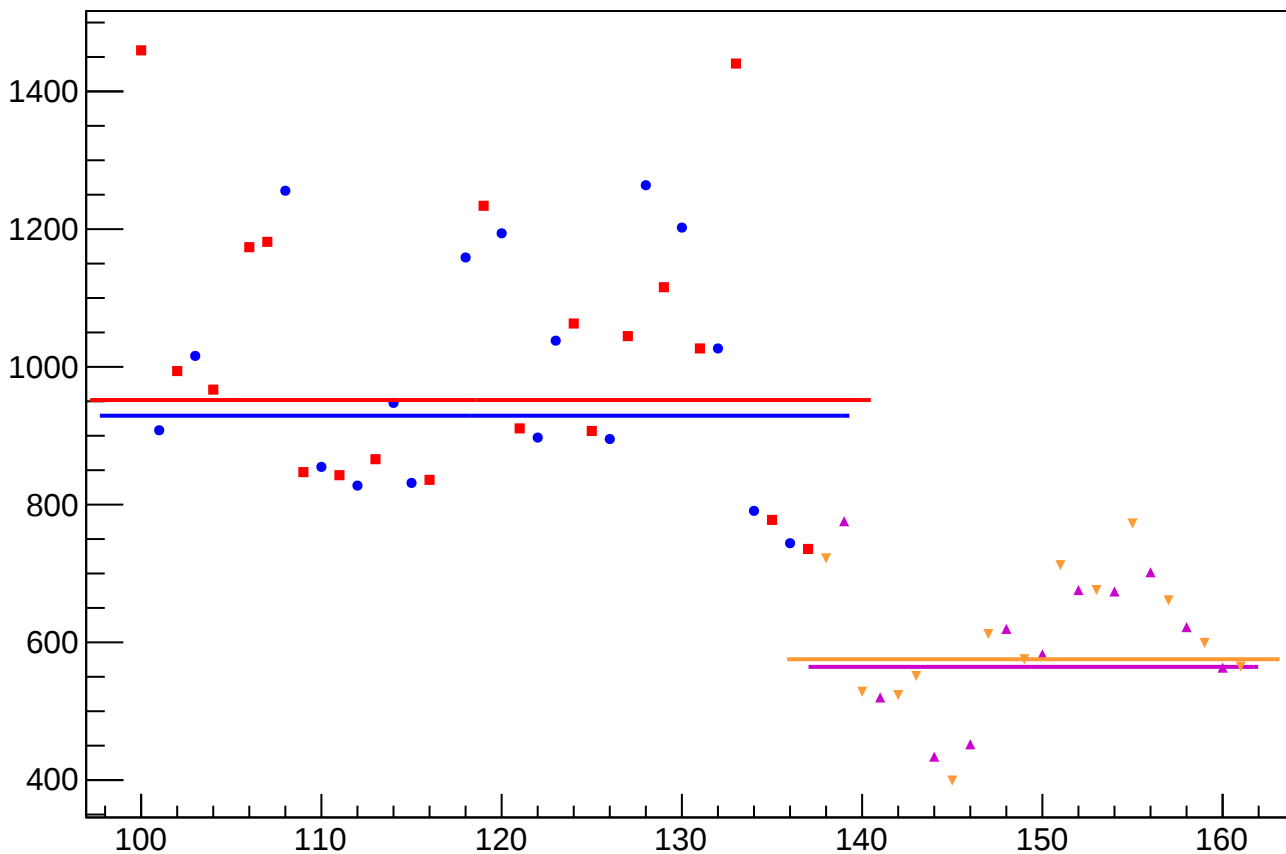
Right Out: 607.276 ± 363.327 χ^2/NDF : 8.8/18

Left In: 141.712 ± 191.840 χ^2/NDF : 6.7/10

915.633 ± 167.162 χ^2/NDF : 51.5/29

243.211 ± 169.644 χ^2/NDF : 16.8/29

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 575.501+/-0.133 χ^2/NDF : 609058.0/12

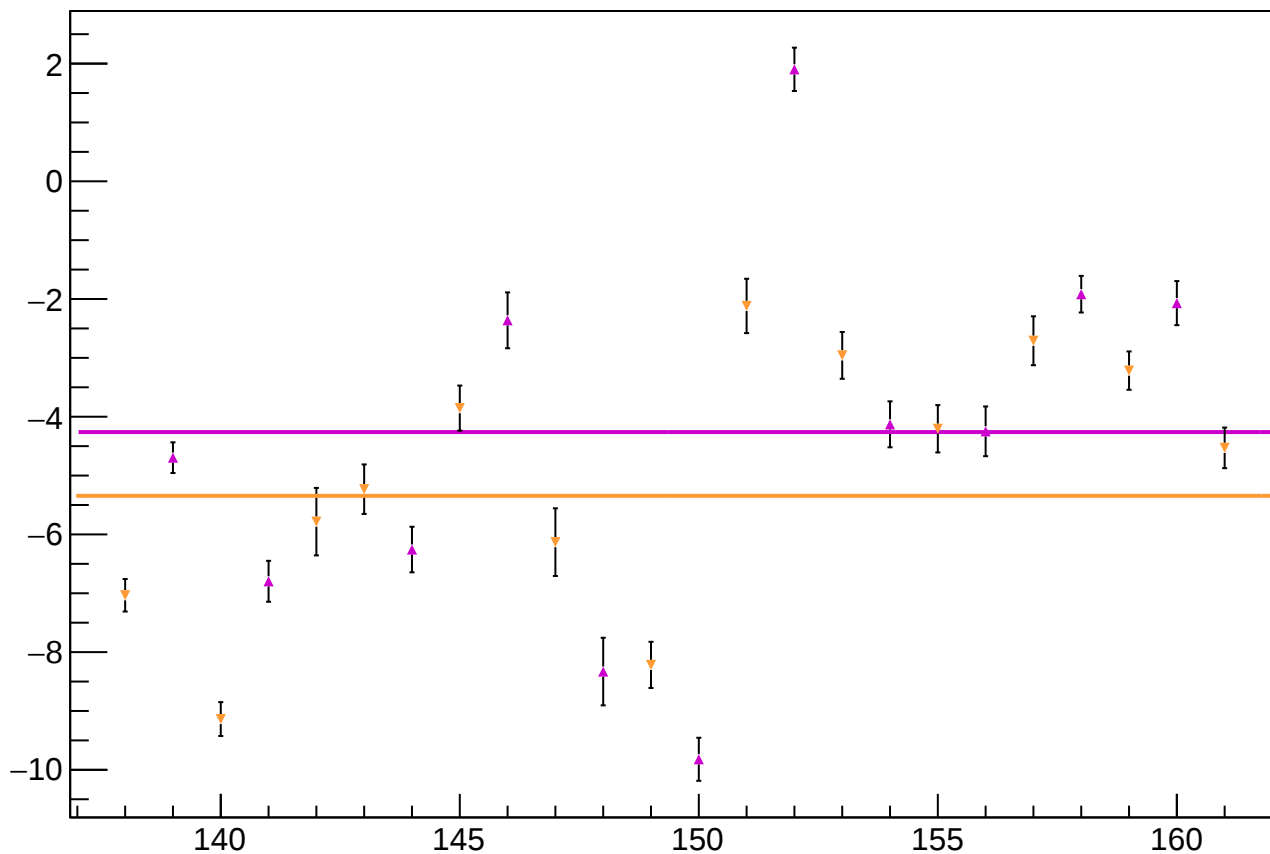
Right Out: 951.847+/-0.257 χ^2/NDF : 382219.3/18

Left In: 564.379+/-0.136 χ^2/NDF : 546920.4/10

648.586+/-0.118 χ^2/NDF : 2466697.8/29

648.852+/-0.120 χ^2/NDF : 2707846.4/29

reg_asym_sam1_diff_bpm1X_slope vs Slug



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

Left Out: -5.344+/-0.105 χ^2/NDF : 463.2/12

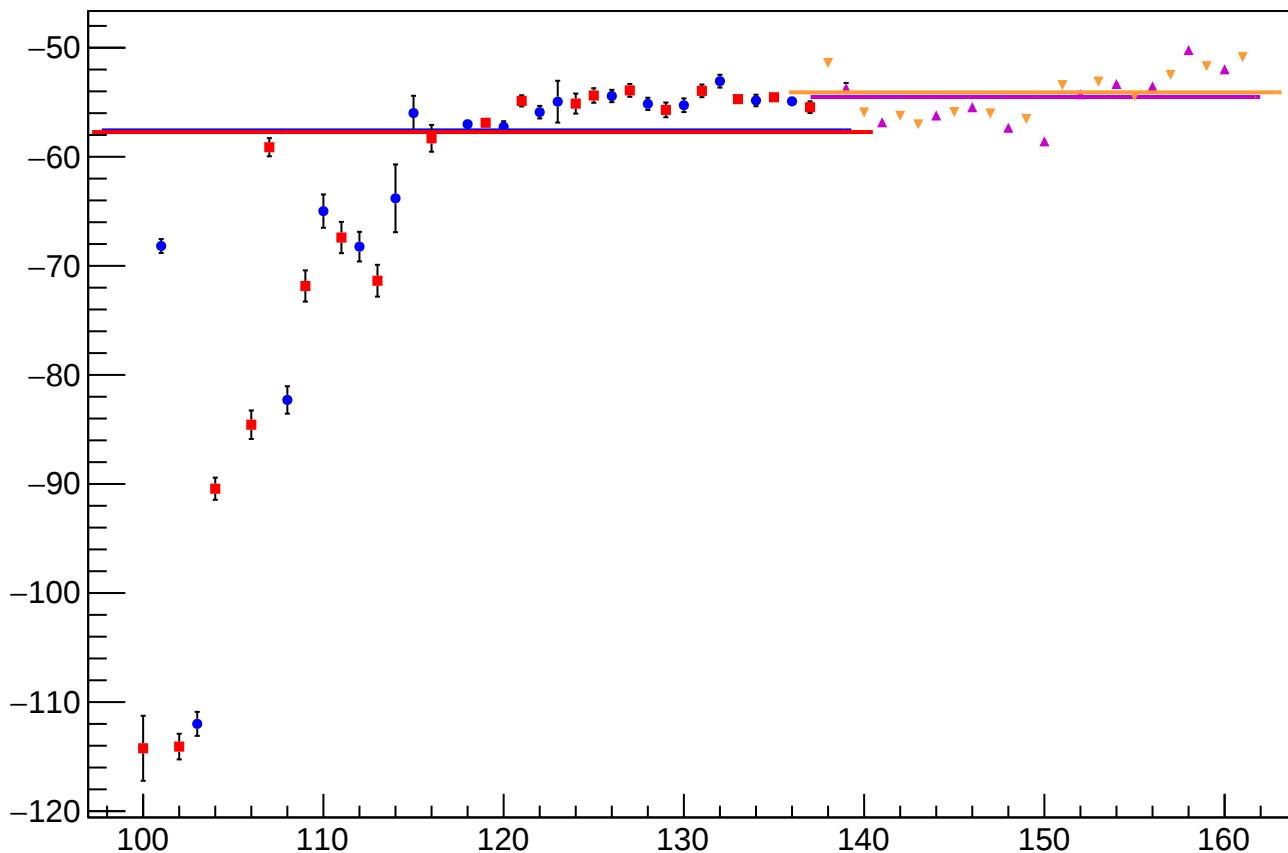
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -4.261+/-0.111 χ^2/NDF : 751.0/10

-5.344+/-0.105 χ^2/NDF : 463.2/12

-4.261+/-0.111 χ^2/NDF : 751.0/10

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 $\chi^2/\text{NDF}: 3455.5/16$

Left Out: -54.091 ± 0.077 $\chi^2/\text{NDF}: 772.7/12$

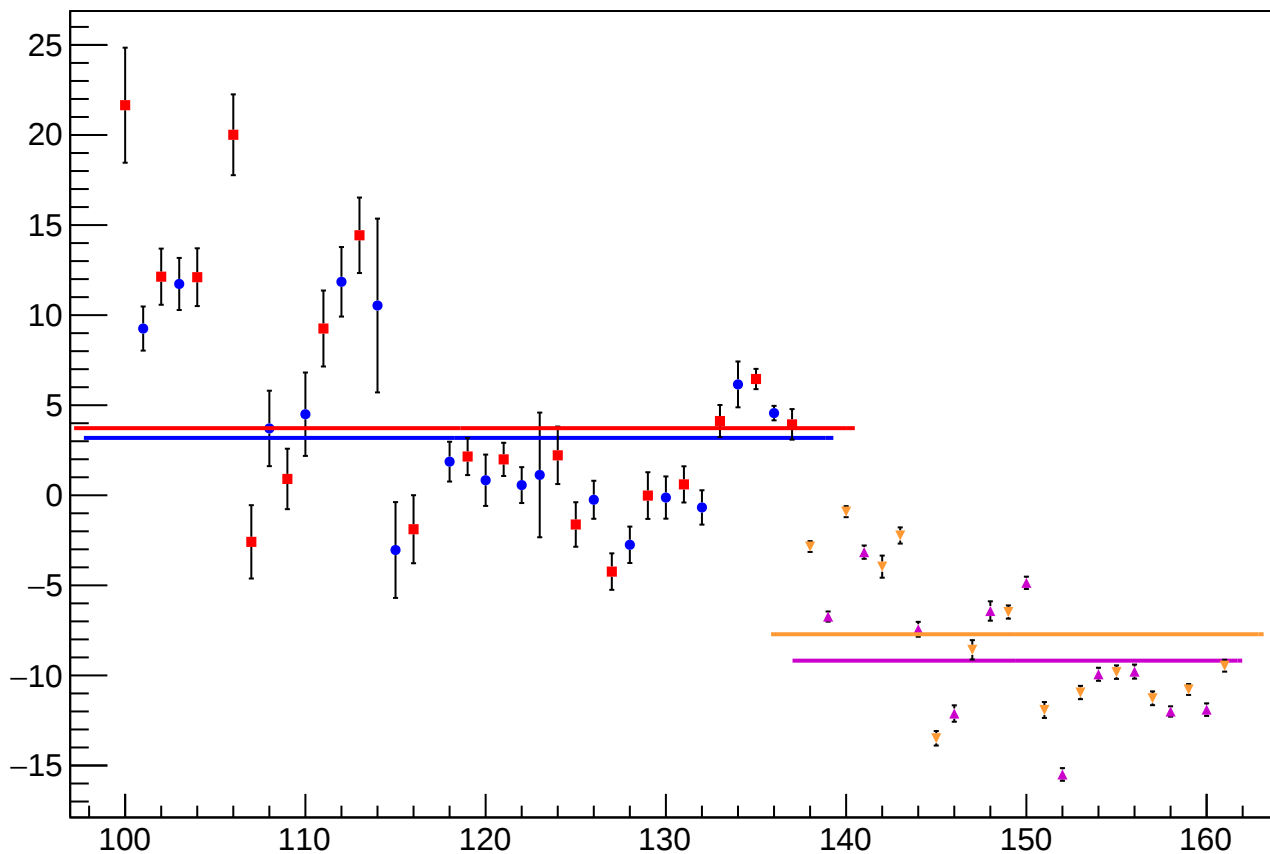
Right Out: -57.732 ± 0.143 $\chi^2/\text{NDF}: 4698.5/18$

Left In: -54.518 ± 0.082 $\chi^2/\text{NDF}: 1031.8/10$

-54.869 ± 0.068 $\chi^2/\text{NDF}: 4690.7/29$

-55.316 ± 0.071 $\chi^2/\text{NDF}: 6110.3/29$

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -7.714 ± 0.104 $\chi^2/\text{NDF}: 1575.2/12$

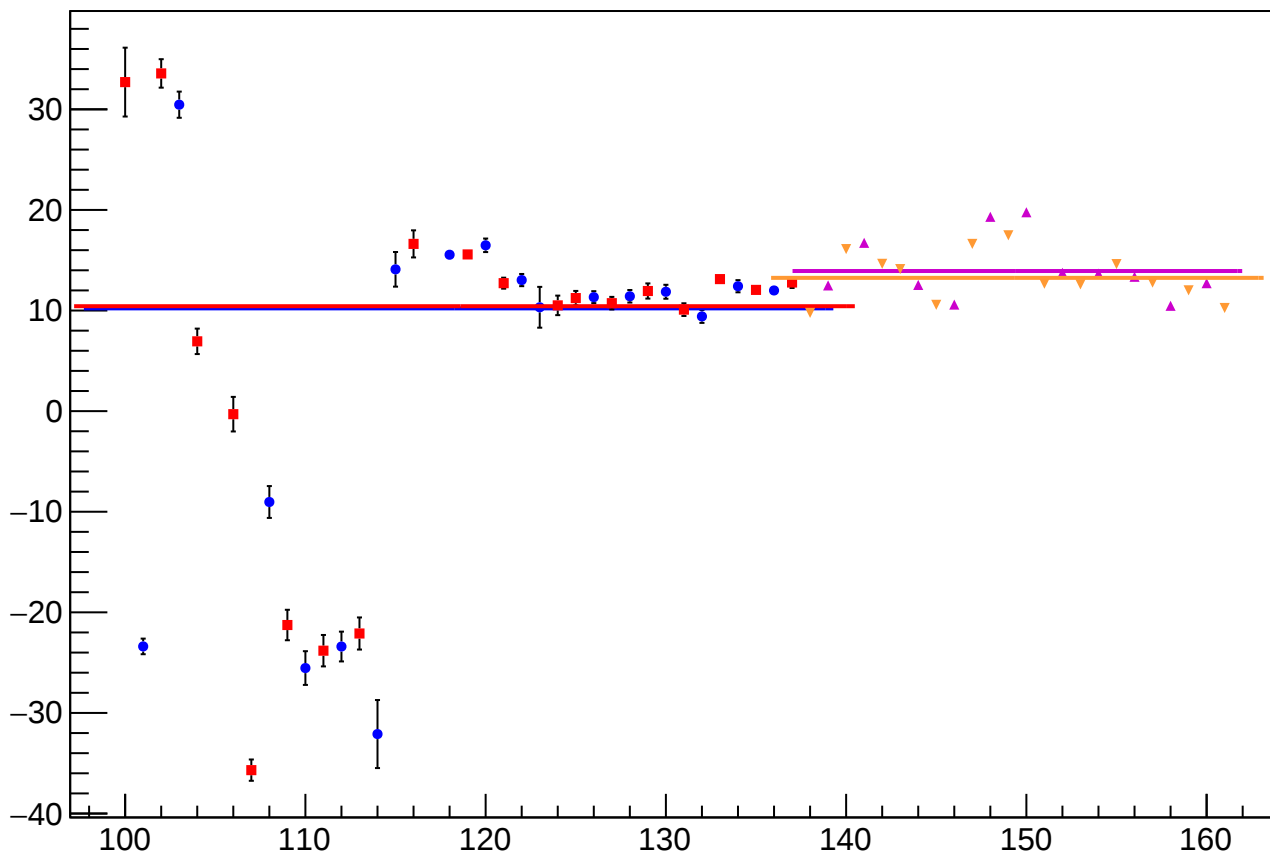
Right Out: 3.726 ± 0.268 $\chi^2/\text{NDF}: 324.1/18$

Left In: -9.180 ± 0.108 $\chi^2/\text{NDF}: 1070.8/10$

-6.207 ± 0.096 $\chi^2/\text{NDF}: 3287.2/29$

-7.358 ± 0.101 $\chi^2/\text{NDF}: 3393.6/29$

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215+/-0.158 χ^2 /NDF: 3692.6/16

Left Out: 13.248+/-0.089 χ^2 /NDF:722.8/12

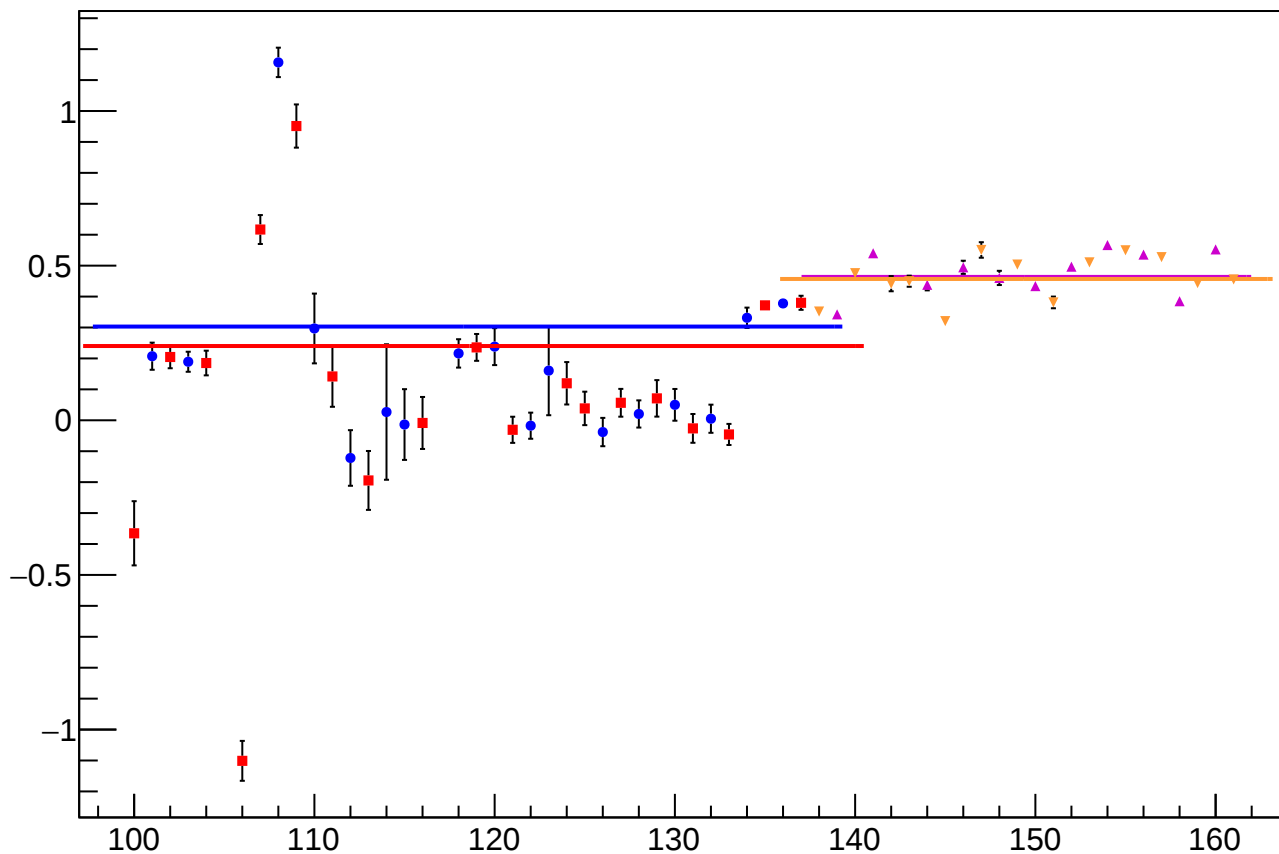
Right Out: 10.430+/-0.160 χ^2 /NDF: 3826.9/18

Left In: 13.929+/-0.094 χ^2 /NDF:1047.1/10

12.523+/-0.077 χ^2 /NDF: 4695.6/29

13.028+/-0.081 χ^2 /NDF: 5228.9/29

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303±/0.008 χ^2/NDF : 646.3/16

Left Out: 0.457±/0.004 χ^2/NDF : 297.9/12

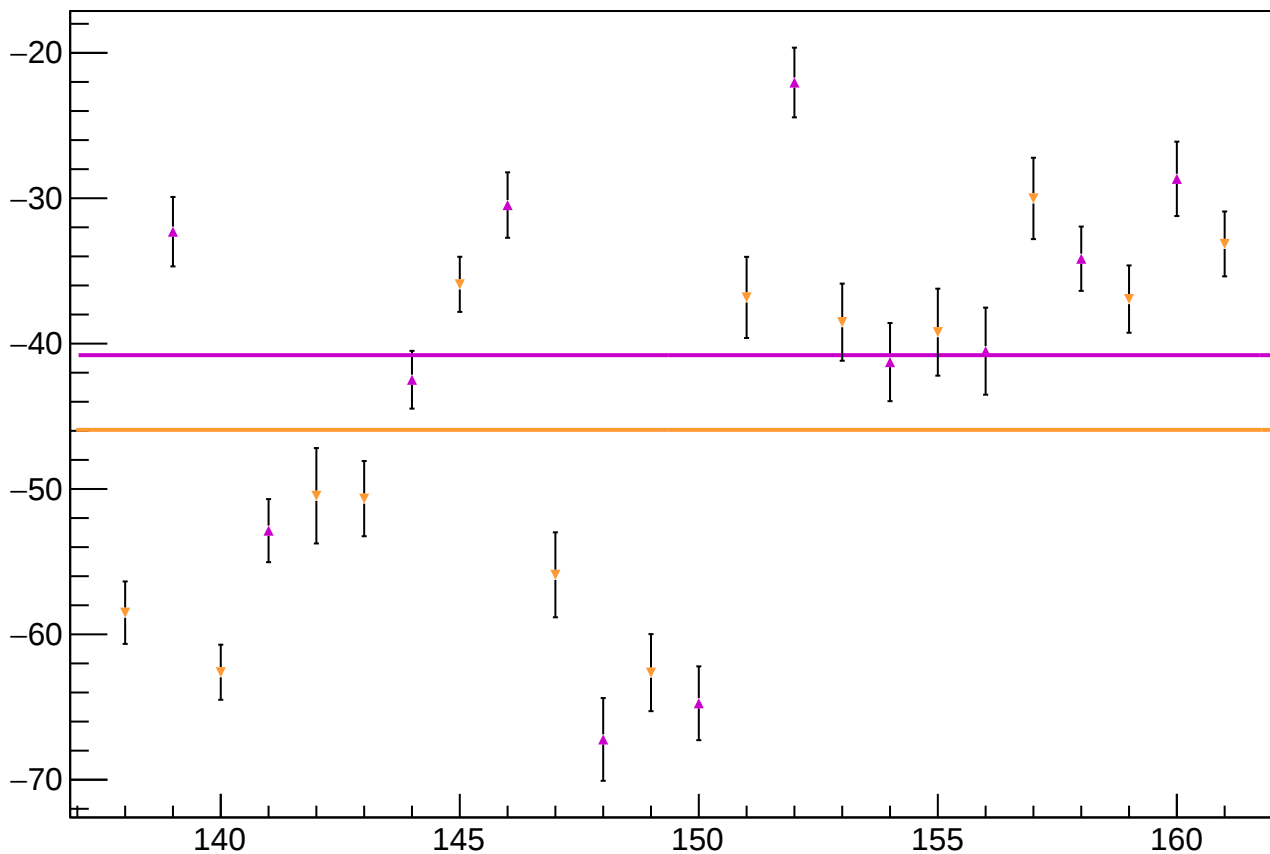
Right Out: 0.240±/0.009 χ^2/NDF : 984.4/18

Left In: 0.464±/0.004 χ^2/NDF : 393.4/10

0.428±/0.004 χ^2/NDF : 1228.5/29

0.422±/0.004 χ^2/NDF : 1935.7/29

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -45.932+/-0.679 χ^2/NDF : 299.9/12

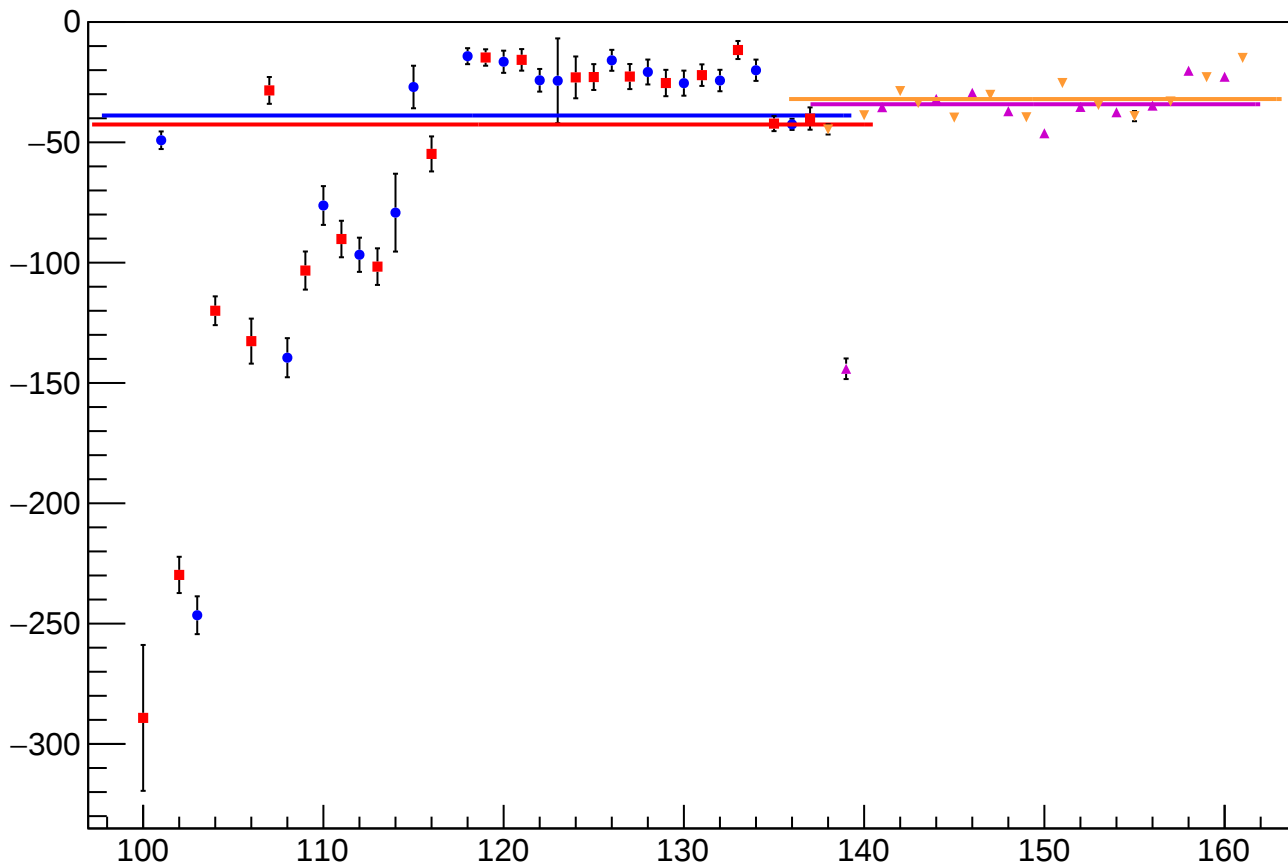
-45.932+/-0.679 χ^2/NDF : 299.9/12

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

-40.795+/-0.726 χ^2/NDF : 333.3/10

Left In: -40.795+/-0.726 χ^2/NDF : 333.3/10

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -32.008 ± 0.474 $\chi^2/\text{NDF}: 287.2/12$

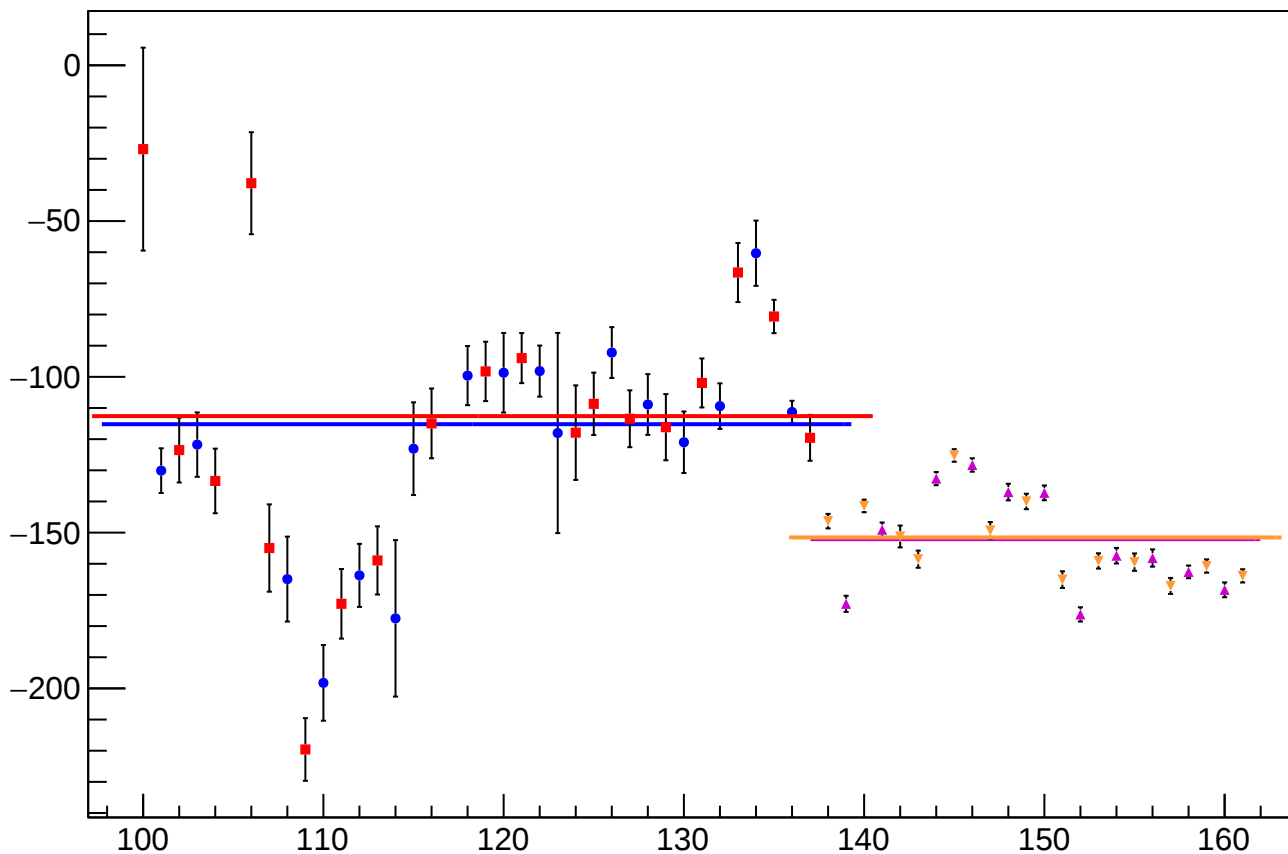
Right Out: -42.586 ± 1.210 $\chi^2/\text{NDF}: 1345.7/18$

Left In: -34.174 ± 0.502 $\chi^2/\text{NDF}: 861.1/10$

-33.005 ± 0.438 $\chi^2/\text{NDF}: 1439.4/29$

-35.408 ± 0.463 $\chi^2/\text{NDF}: 2248.0/29$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199+/-2.081 χ^2/NDF : 140.8/16

Left Out: -151.551+/-0.673 χ^2/NDF : 360.4/12

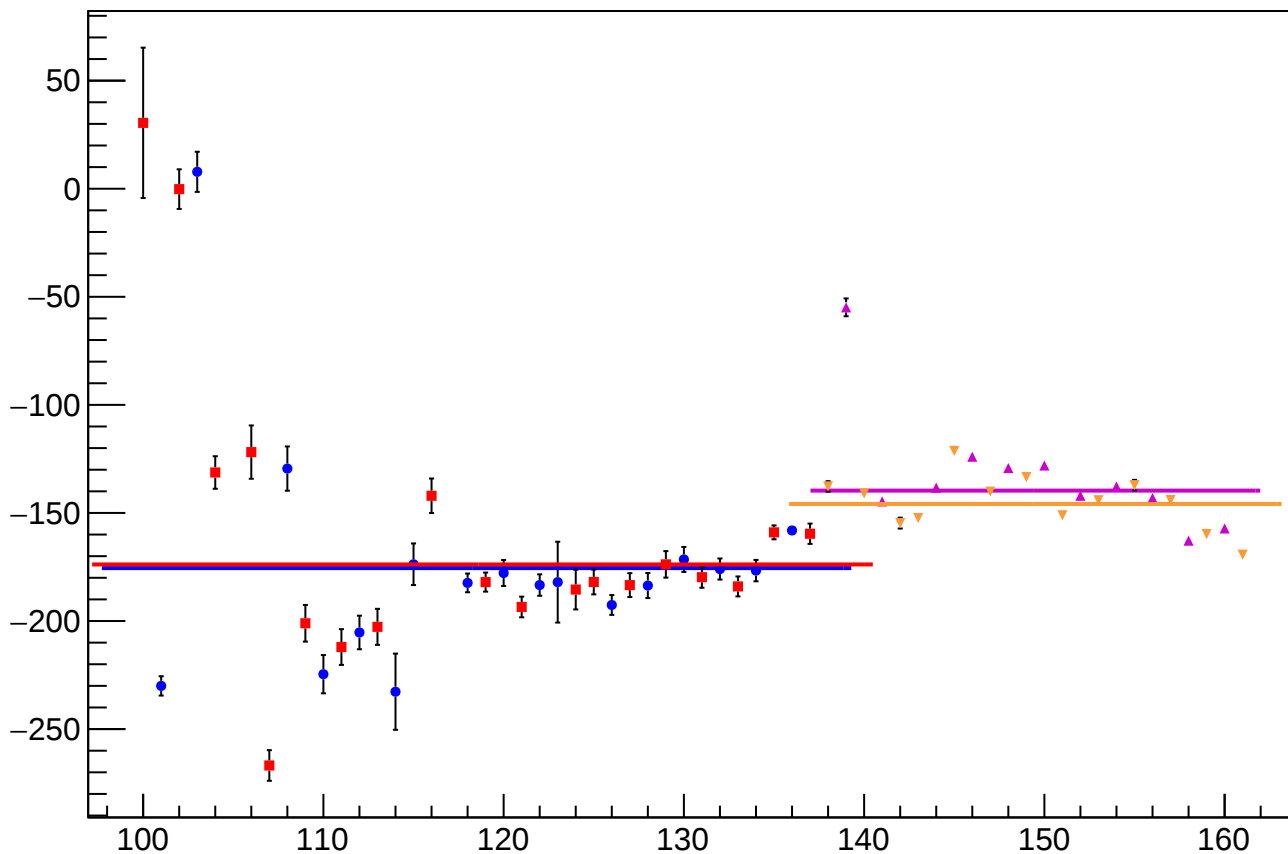
Right Out: -112.611+/-2.209 χ^2/NDF : 272.4/18

Left In: -152.095+/-0.709 χ^2/NDF : 535.8/10

-148.107+/-0.641 χ^2/NDF : 777.3/29

-148.405+/-0.675 χ^2/NDF : 1097.8/29

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -145.846 ± 0.559 χ^2/NDF : 565.6/12

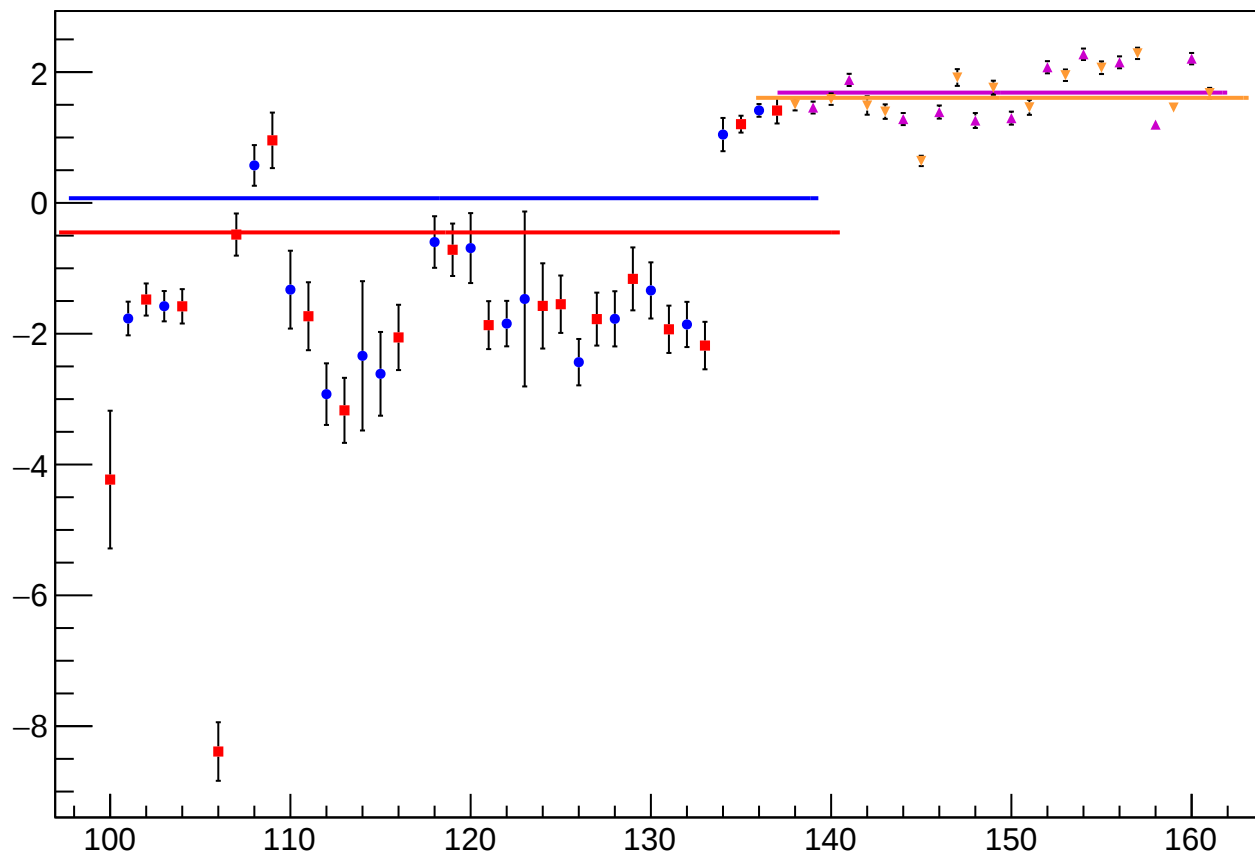
Right Out: -173.830 ± 1.357 χ^2/NDF : 737.9/18

Left In: -139.666 ± 0.591 χ^2/NDF : 878.8/10

-150.615 ± 0.512 χ^2/NDF : 1711.1/29

-145.119 ± 0.542 χ^2/NDF : 2149.7/29

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.606 ± 0.026 χ^2/NDF : 267.8/12

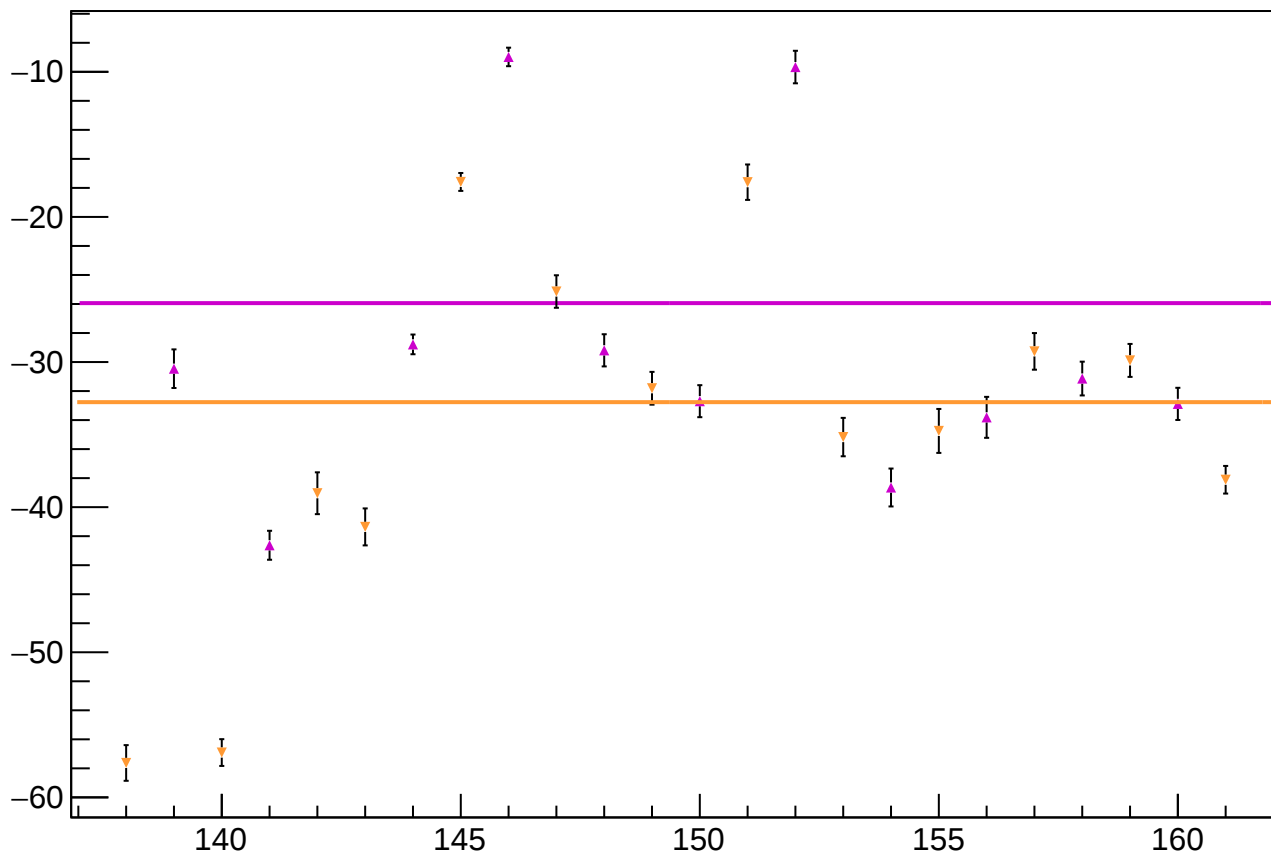
Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

Left In: 1.686 ± 0.028 χ^2/NDF : 235.9/10

1.404 ± 0.024 χ^2/NDF : 1246.4/29

1.408 ± 0.026 χ^2/NDF : 1768.2/29

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -32.764+/-0.297 χ^2/NDF : 2014.9/12

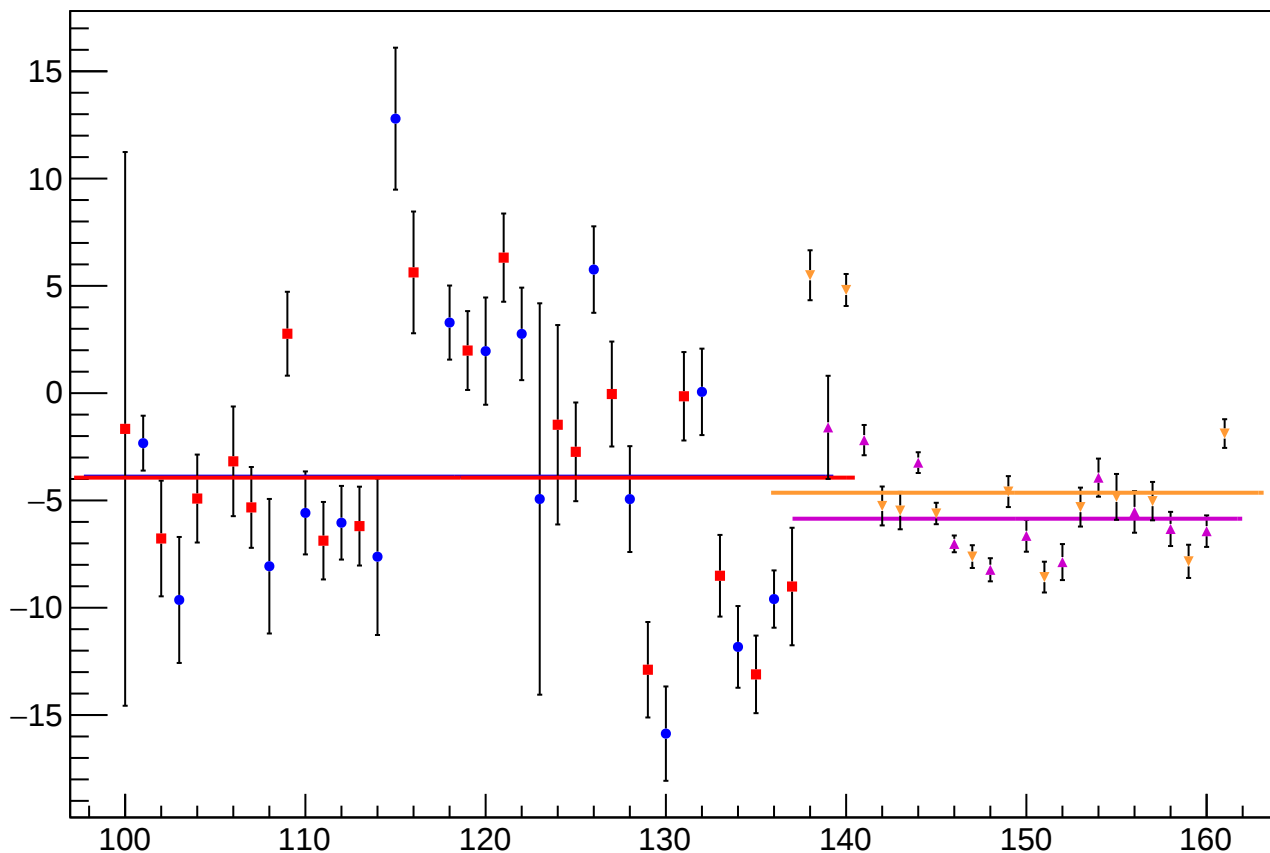
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -25.939+/-0.298 χ^2/NDF : 1456.0/10

-32.764+/-0.297 χ^2/NDF : 2014.9/12

-25.939+/-0.298 χ^2/NDF : 1456.0/10

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -4.641 ± 0.205 $\chi^2/\text{NDF}: 338.0/12$

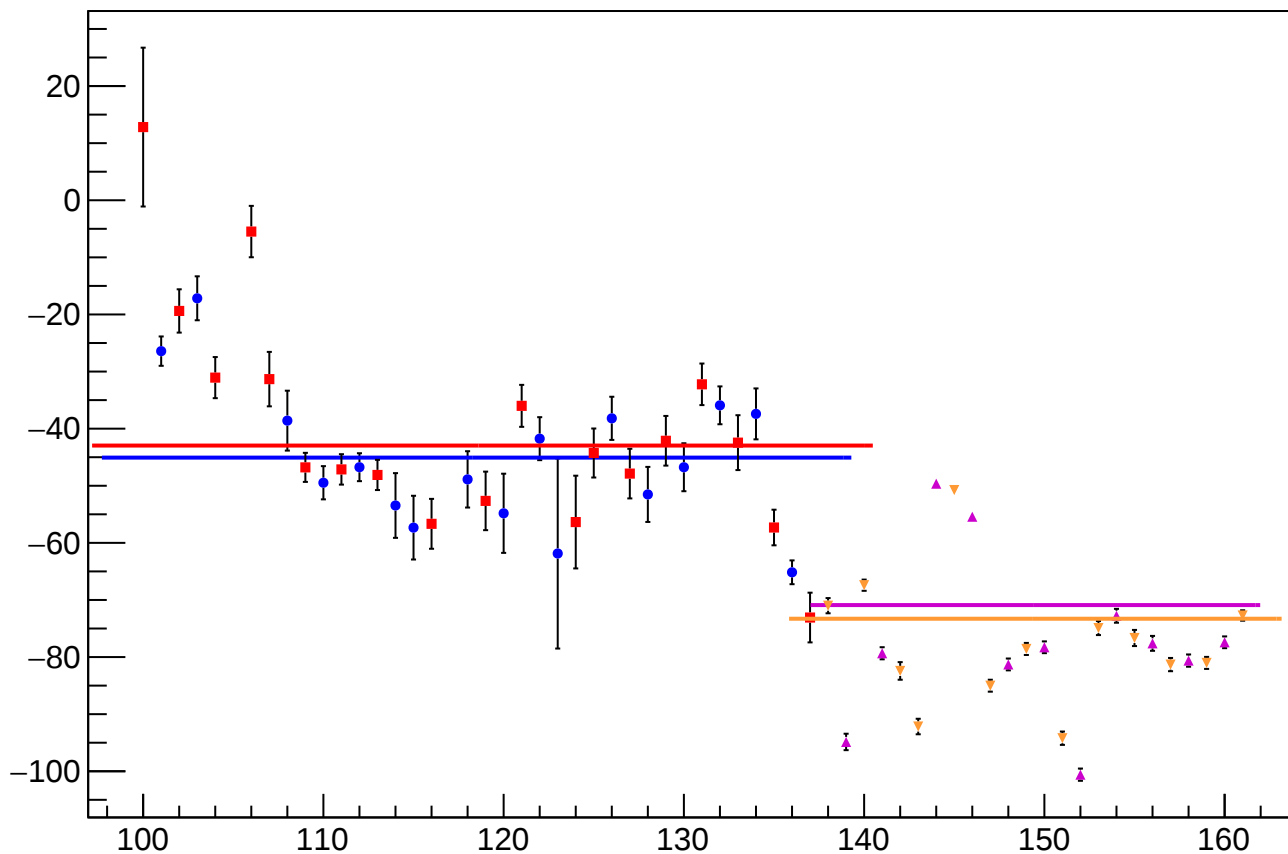
Right Out: -3.937 ± 0.507 $\chi^2/\text{NDF}: 122.2/18$

Left In: -5.851 ± 0.198 $\chi^2/\text{NDF}: 100.5/10$

-4.532 ± 0.190 $\chi^2/\text{NDF}: 500.4/29$

-5.597 ± 0.185 $\chi^2/\text{NDF}: 235.0/29$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -73.287 ± 0.296 χ^2/NDF : 2029.4/12

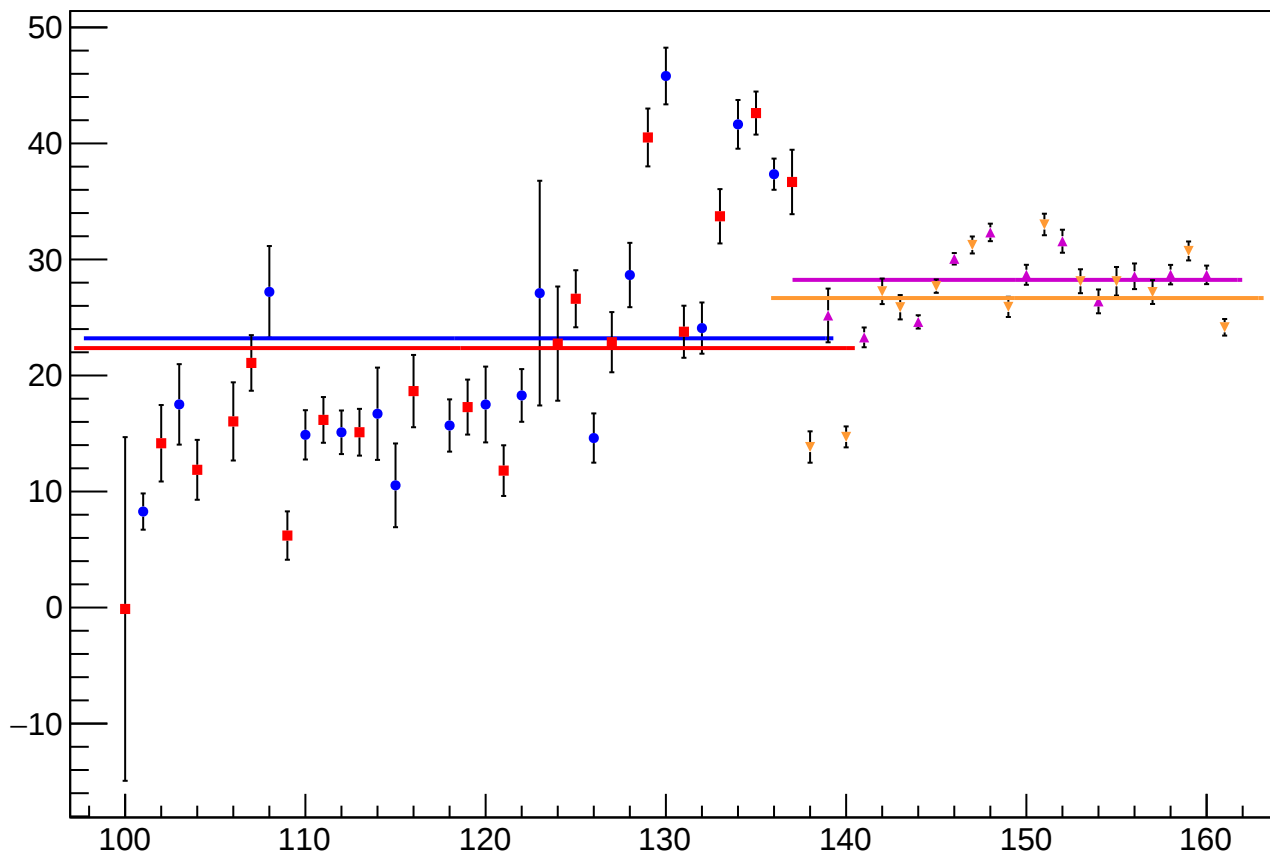
Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

Left In: -70.895 ± 0.292 χ^2/NDF : 2898.2/10

-70.445 ± 0.280 χ^2/NDF : 3176.7/29

-68.111 ± 0.277 χ^2/NDF : 4058.3/29

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 26.674 $\pm$ 0.243 χ^2 /NDF:397.2/12

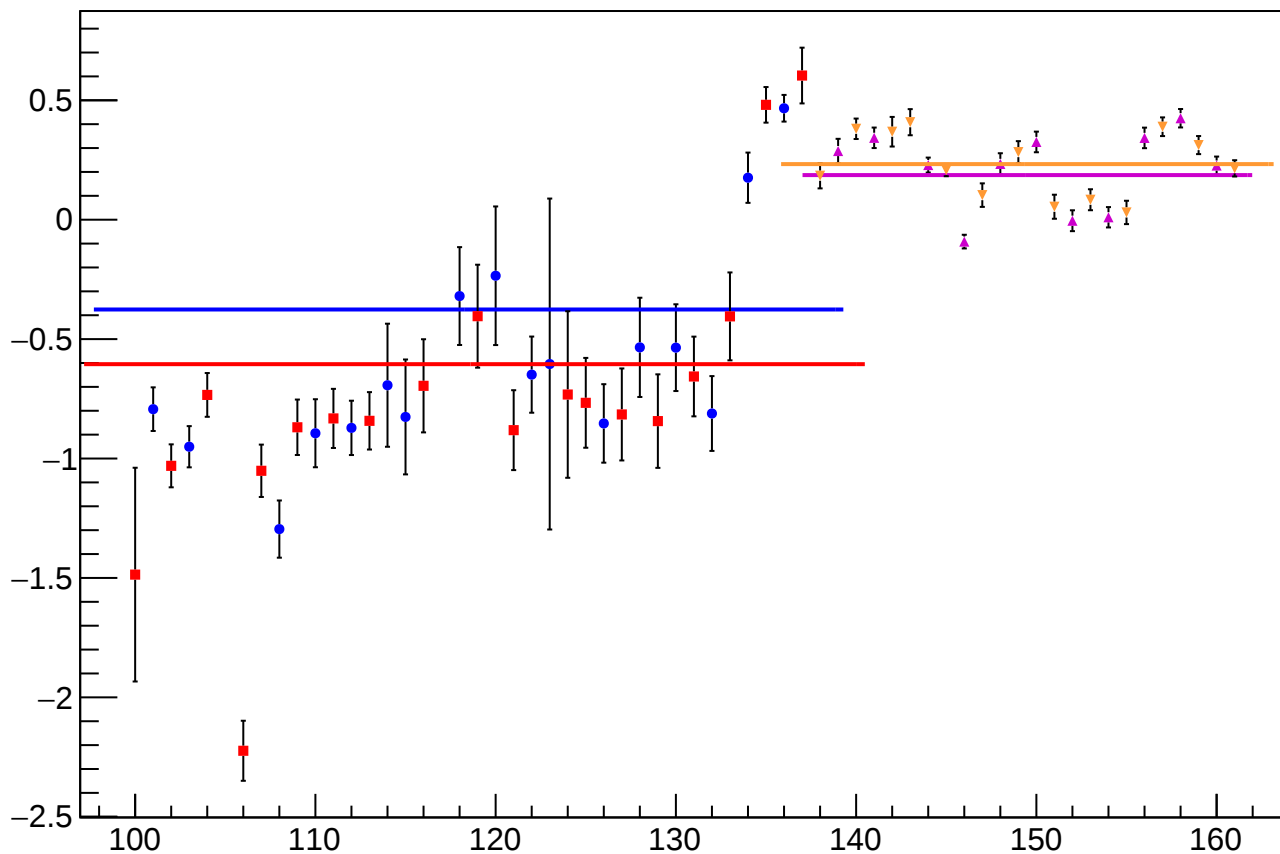
Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

Left In: 28.241 $\pm$ 0.239 χ^2 /NDF:133.7/10

26.121 $\pm$ 0.223 χ^2 /NDF: 886.8/29

27.371 $\pm$ 0.220 χ^2 /NDF: 590.5/29

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 χ^2/NDF : 437.3/16

Left Out: 0.233 ± 0.012 χ^2/NDF : 98.9/12

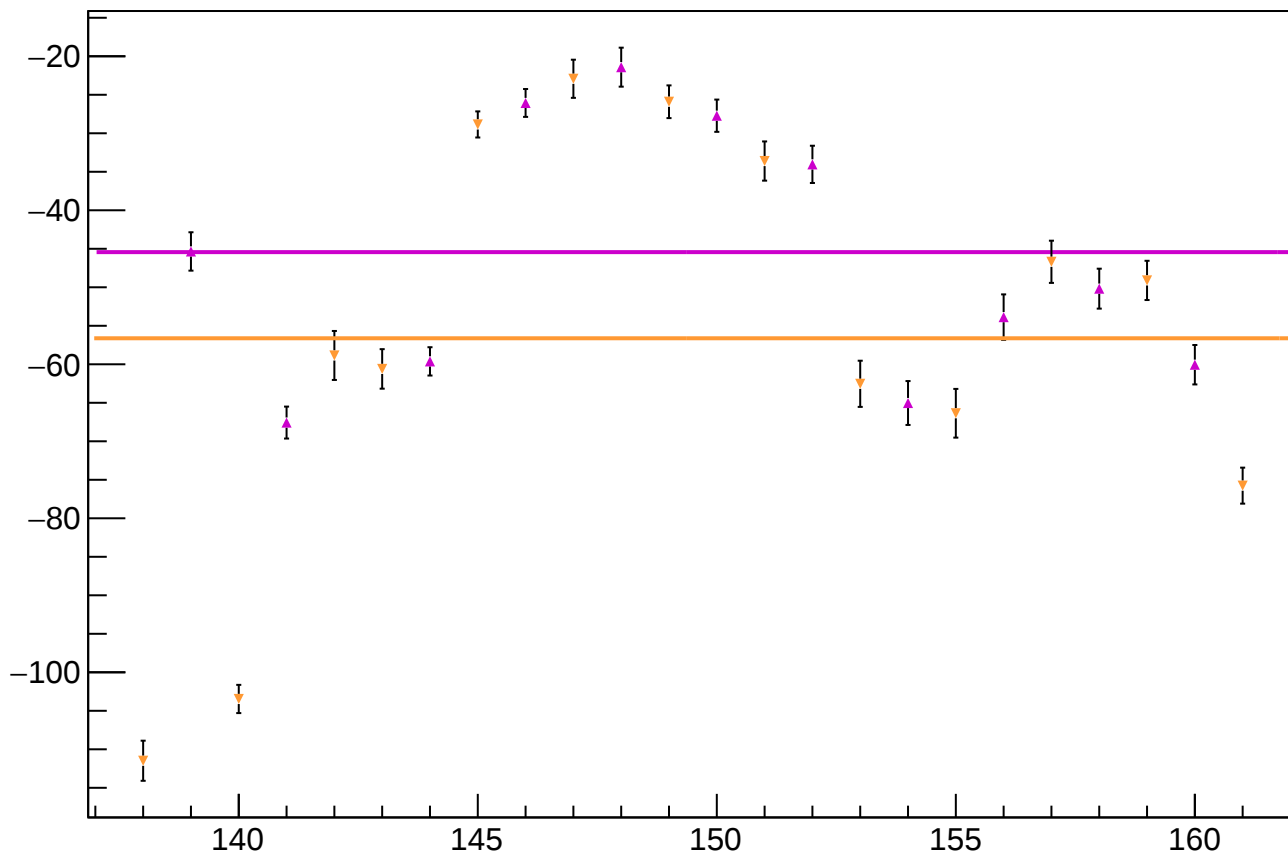
Right Out: -0.605 ± 0.030 χ^2/NDF : 551.1/18

Left In: 0.187 ± 0.012 χ^2/NDF : 213.3/10

0.154 ± 0.011 χ^2/NDF : 891.9/29

0.082 ± 0.011 χ^2/NDF : 1360.0/29

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -56.622+/-0.665 χ^2/NDF : 1946.4/12

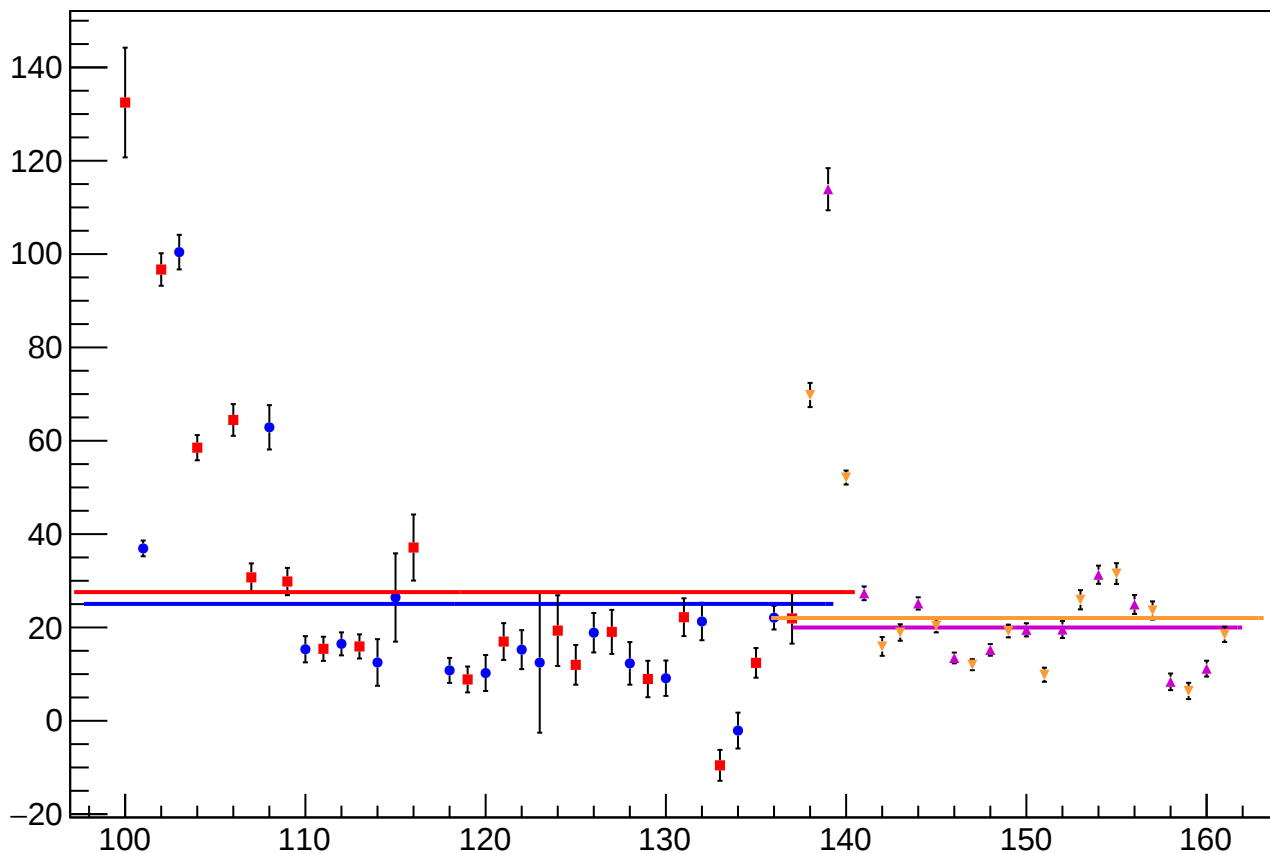
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -45.434+/-0.692 χ^2/NDF : 563.0/10

-56.622+/-0.665 χ^2/NDF : 1946.4/12

-45.434+/-0.692 χ^2/NDF : 563.0/10

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 22.023 $\pm$ 0.458 χ^2 /NDF:1003.7/12

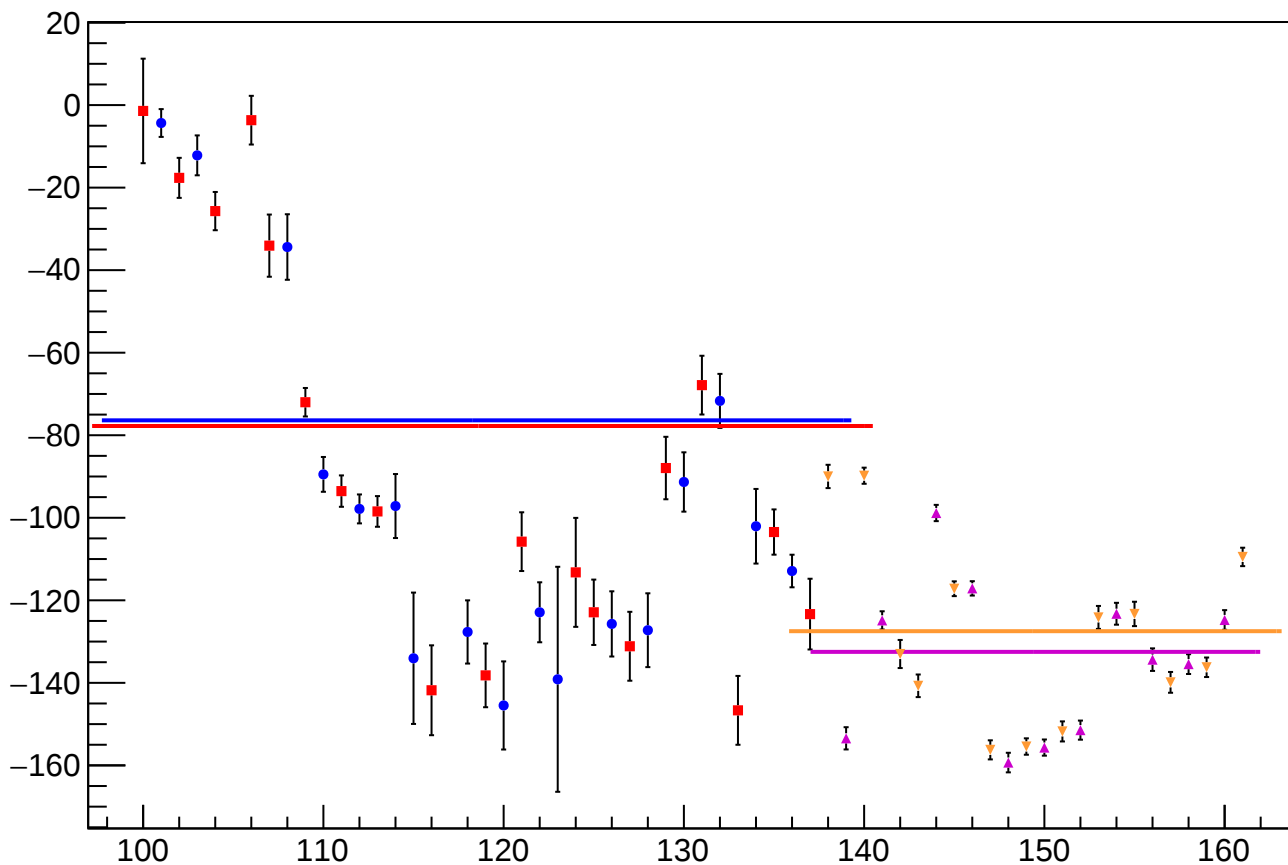
Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

Left In: 19.987 $\pm$ 0.474 χ^2 /NDF:628.8/10

22.761 $\pm$ 0.398 χ^2 /NDF: 1700.8/29

21.921 $\pm$ 0.409 χ^2 /NDF: 1706.9/29

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -127.483 ± 0.658 χ^2/NDF : 1166.3/12

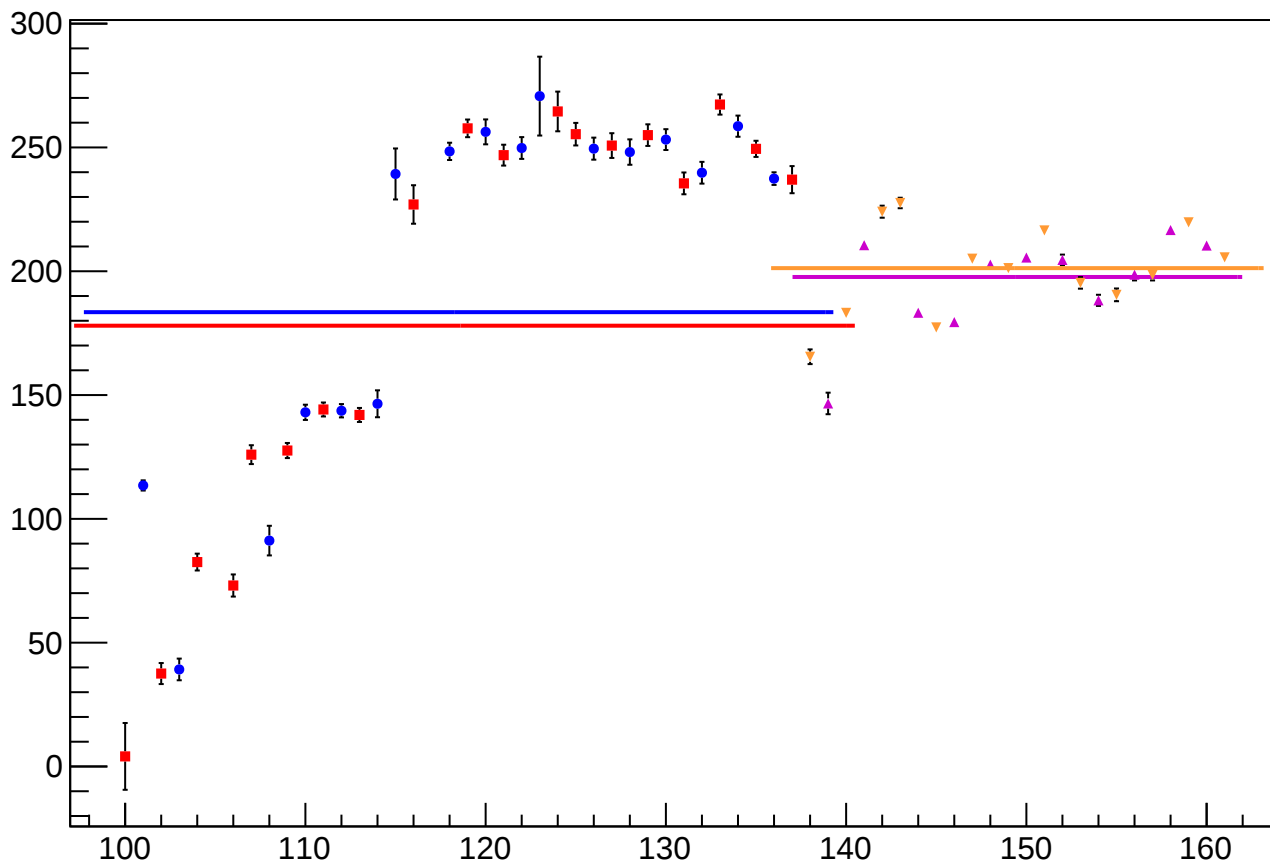
Right Out: -77.761 ± 1.353 χ^2/NDF : 872.7/18

Left In: -132.493 ± 0.677 χ^2/NDF : 801.9/10

-118.410 ± 0.597 χ^2/NDF : 3268.5/29

-121.536 ± 0.605 χ^2/NDF : 2983.7/29

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 201.259 $\pm$ 0.545 χ^2 /NDF: 908.8/12

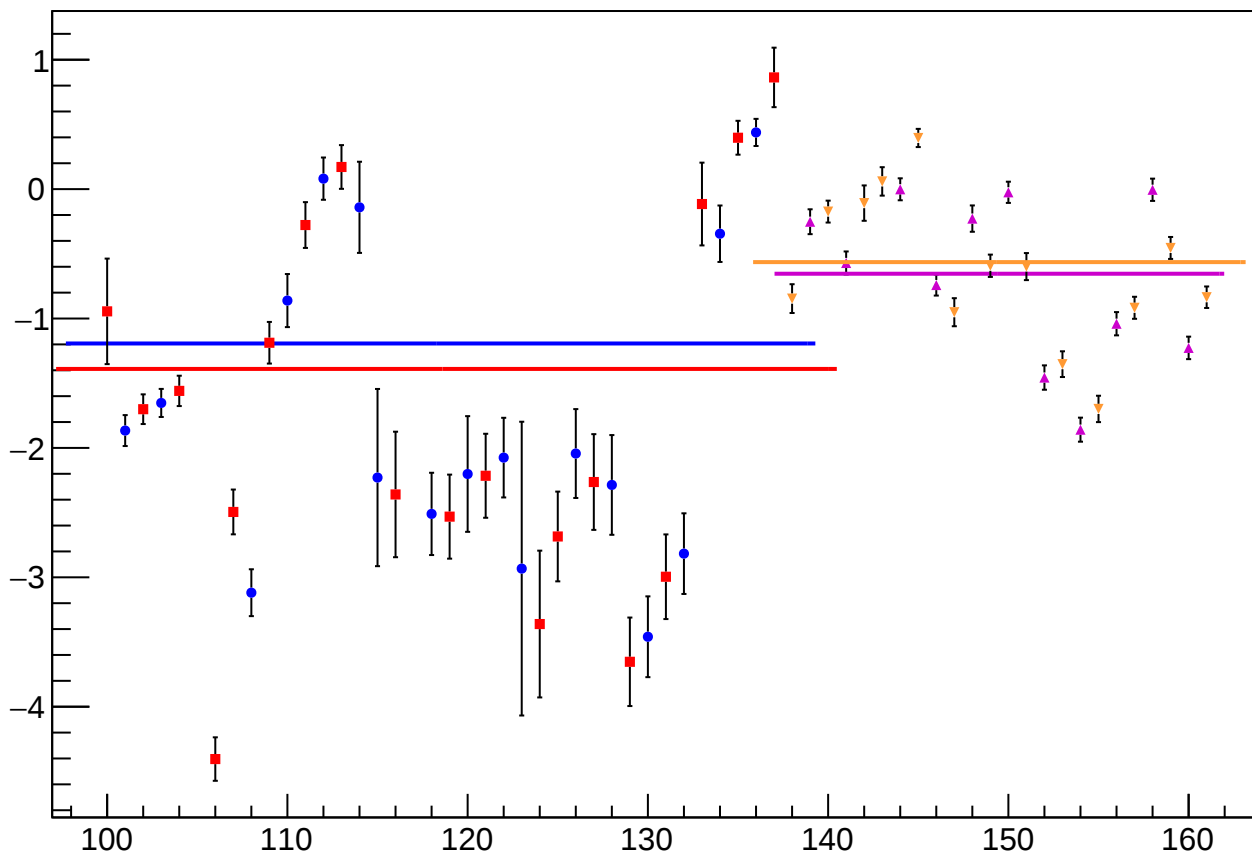
Right Out: 178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

Left In: 197.686 $\pm$ 0.563 χ^2 /NDF: 646.3/10

196.632 $\pm$ 0.469 χ^2 /NDF: 6517.4/29

192.357 $\pm$ 0.481 χ^2 /NDF: 7322.7/29

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.564 ± 0.026 χ^2/NDF : 486.4/12

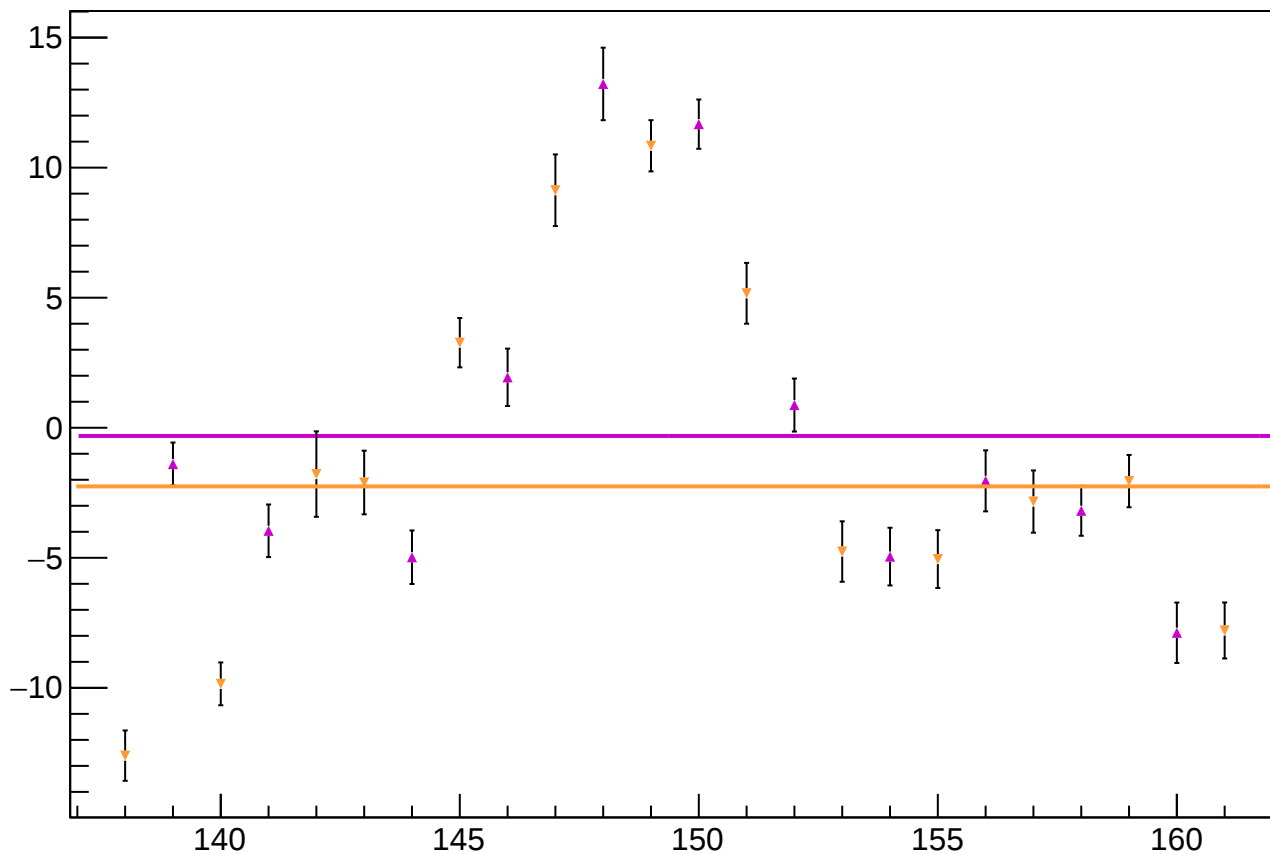
Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

Left In: -0.654 ± 0.027 χ^2/NDF : 514.8/10

-0.705 ± 0.023 χ^2/NDF : 1240.2/29

-0.842 ± 0.023 χ^2/NDF : 1627.3/29

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -2.255+/-0.300 χ^2/NDF : 557.0/12

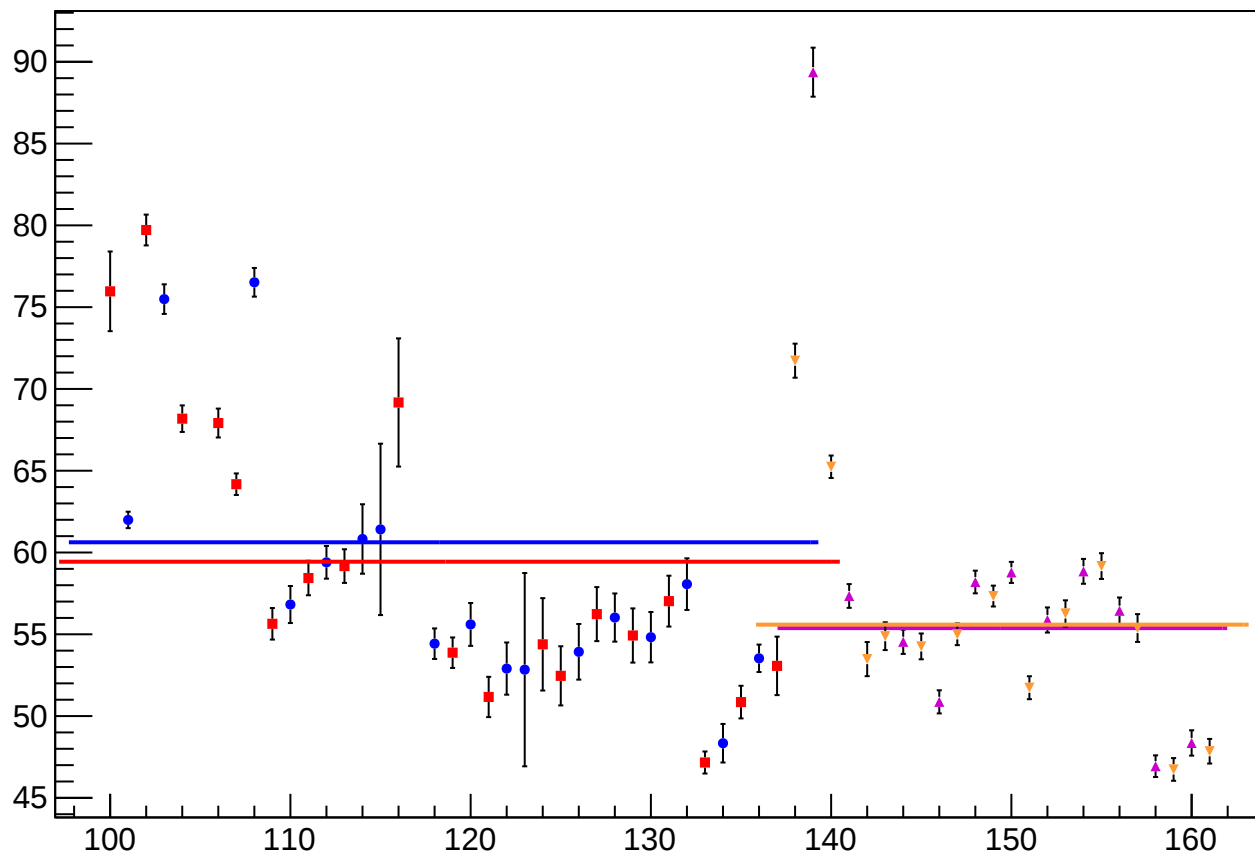
-2.255+/-0.300 χ^2/NDF : 557.0/12

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

-0.315+/-0.314 χ^2/NDF : 366.2/10

Left In: -0.315+/-0.314 χ^2/NDF : 366.2/10

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 ± 0.263 χ^2/NDF : 924.6/16

Left Out: 55.589 ± 0.213 χ^2/NDF : 773.9/12

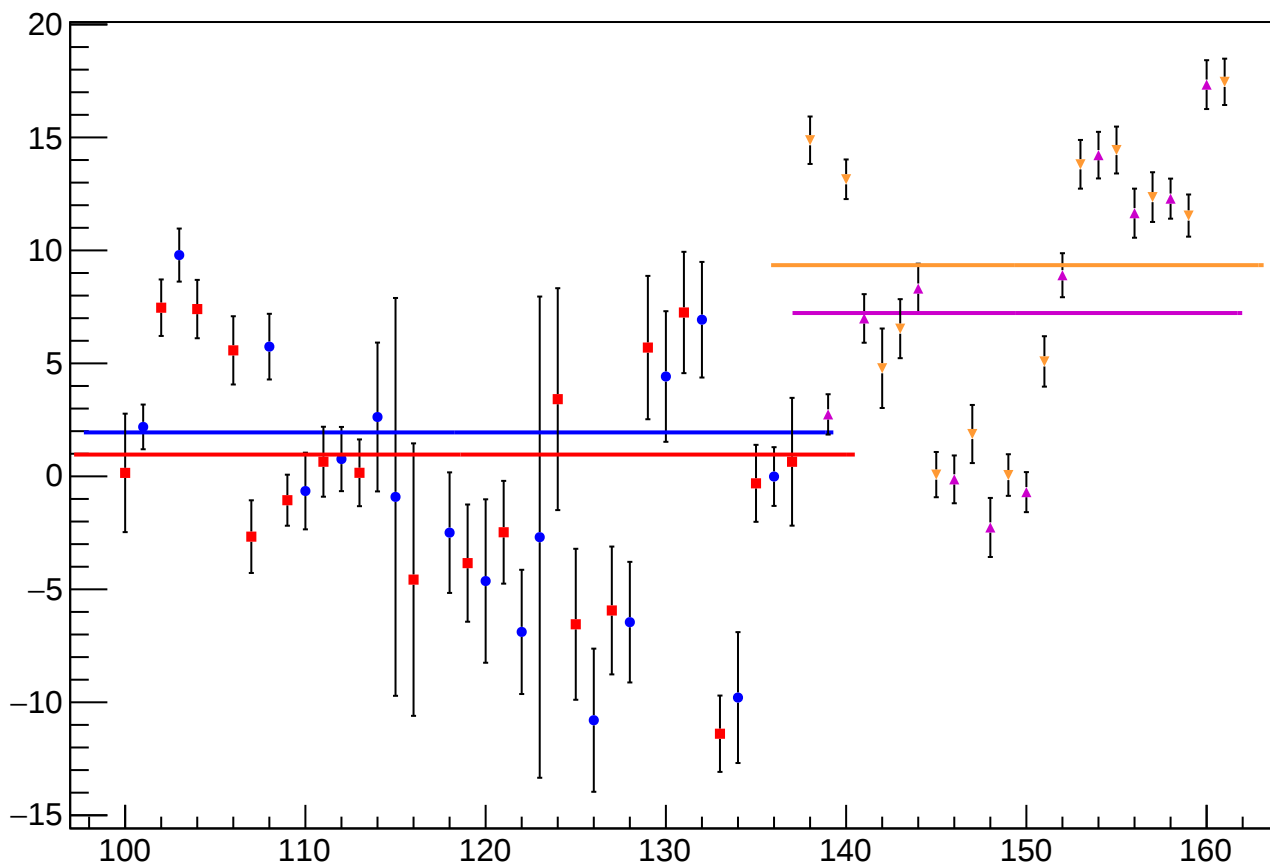
Right Out: 59.438 ± 0.248 χ^2/NDF : 1323.4/18

Left In: 55.378 ± 0.226 χ^2/NDF : 875.4/10

57.580 ± 0.165 χ^2/NDF : 1920.1/29

57.223 ± 0.167 χ^2/NDF : 2345.2/29

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 9.347 ± 0.296 χ^2/NDF : 410.6/12

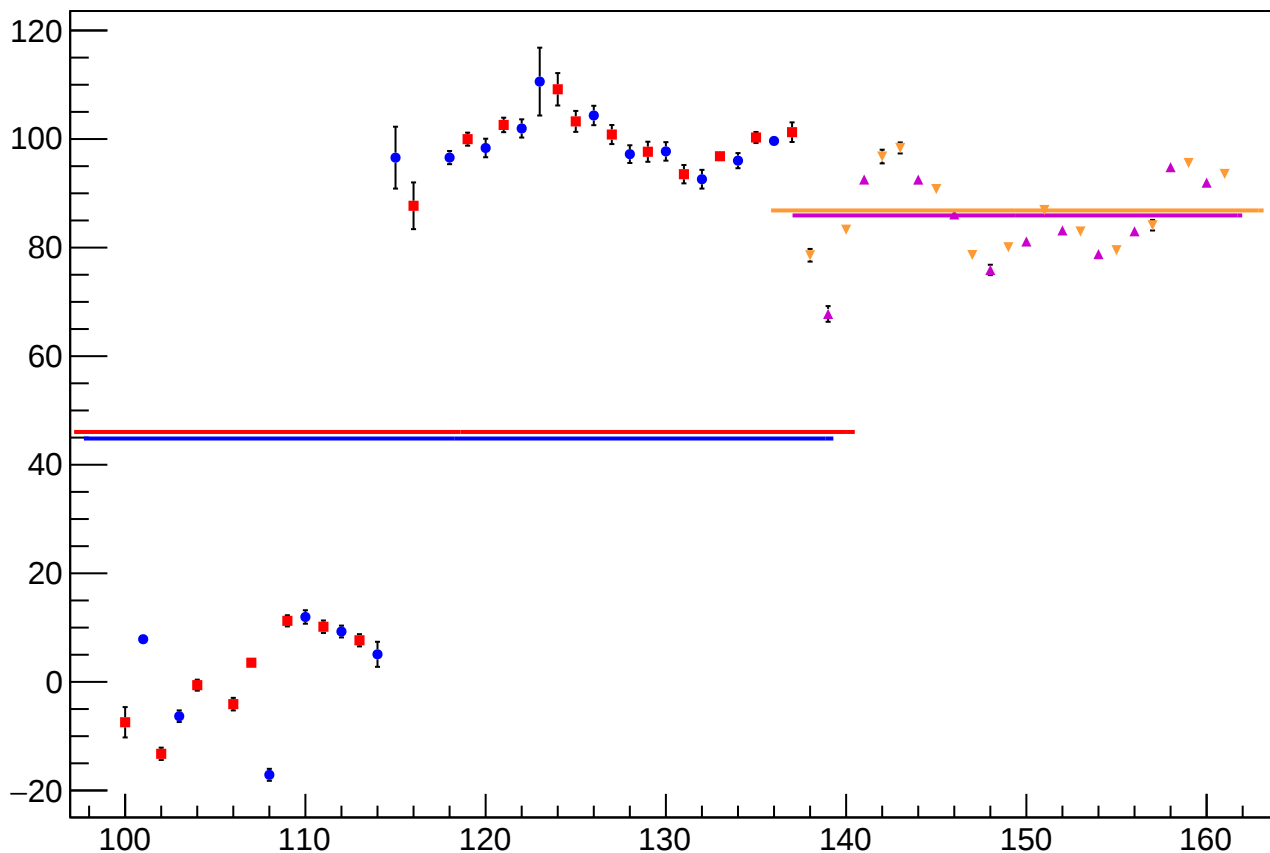
Right Out: 0.964 ± 0.424 χ^2/NDF : 149.5/18

Left In: 7.228 ± 0.306 χ^2/NDF : 392.9/10

7.172 ± 0.249 χ^2/NDF : 715.0/29

5.084 ± 0.248 χ^2/NDF : 685.7/29

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 86.843+/-0.249 χ^2/NDF : 743.5/12

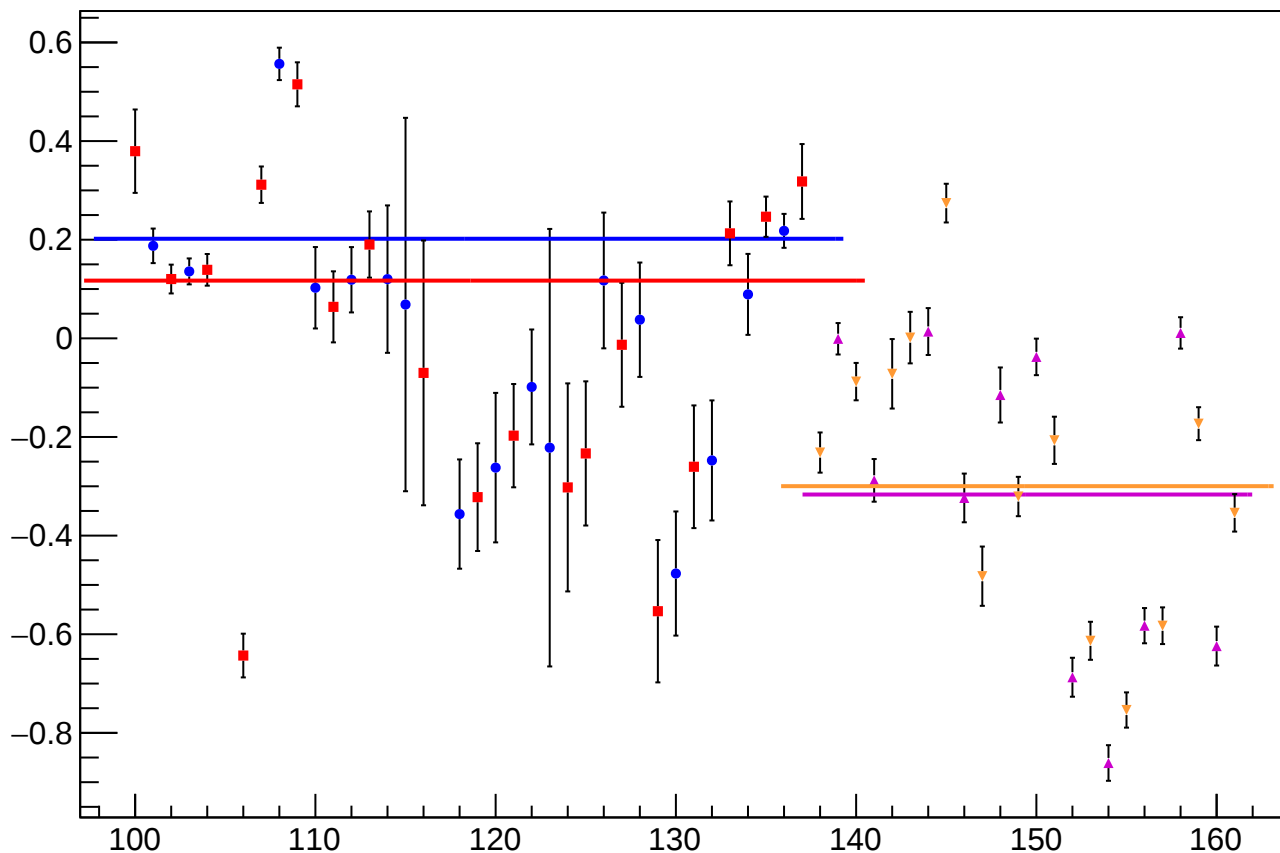
Right Out: 46.040+/-0.289 χ^2/NDF : 28263.4/18

Left In: 85.925+/-0.263 χ^2/NDF : 723.6/10

70.008+/-0.193 χ^2/NDF : 36904.2/29

67.905+/-0.195 χ^2/NDF : 39394.5/29

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.300 ± 0.011 χ^2/NDF : 606.7/12

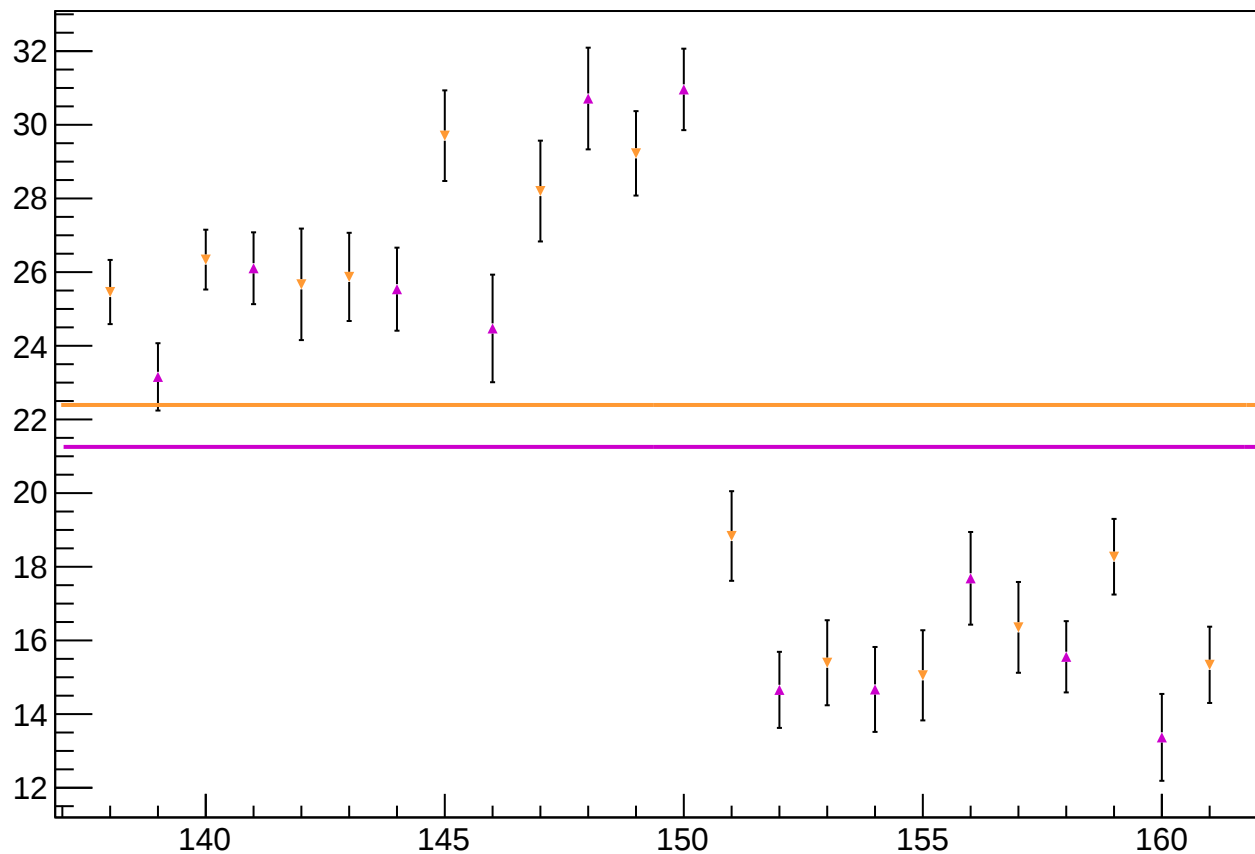
Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

Left In: -0.317 ± 0.012 χ^2/NDF : 754.1/10

-0.099 ± 0.009 χ^2/NDF : 1588.6/29

-0.122 ± 0.009 χ^2/NDF : 1864.7/29

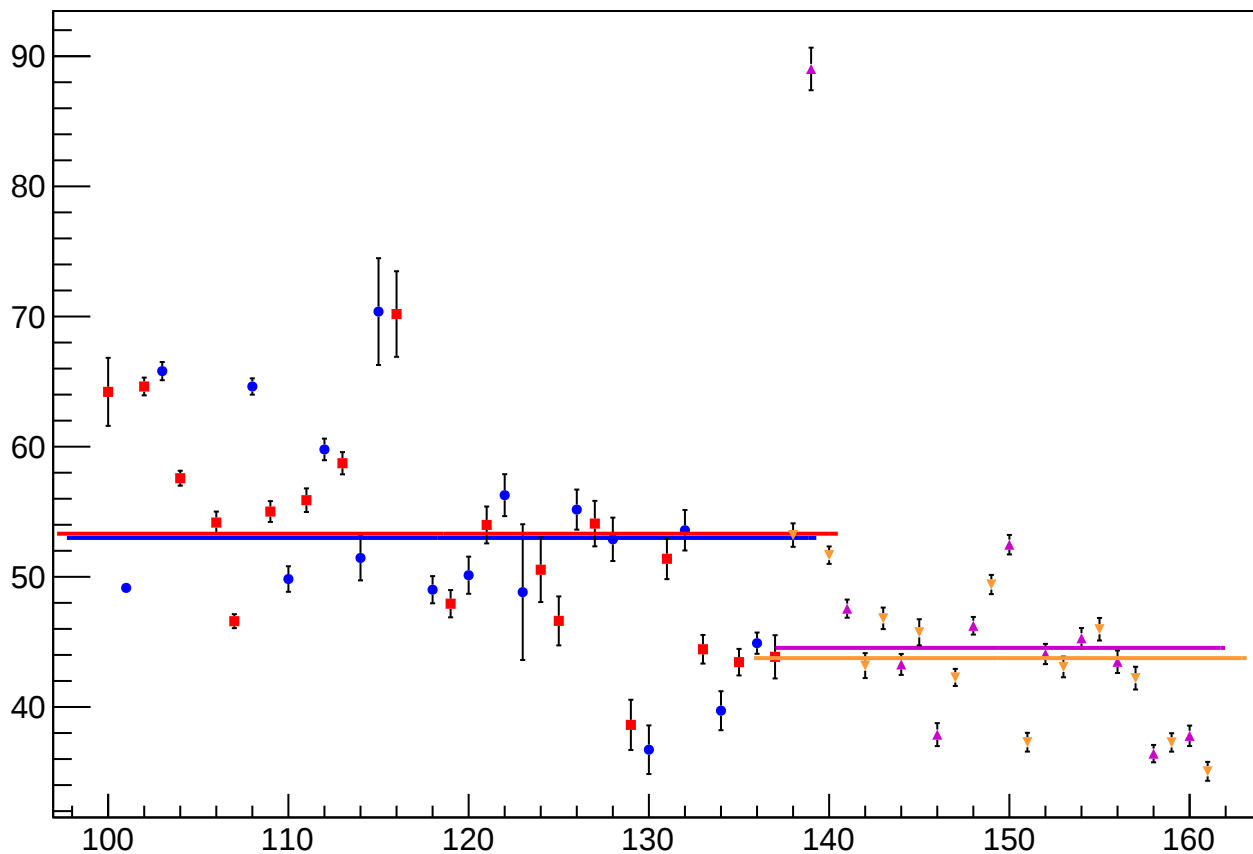
reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 22.393+/-0.308 χ^2/NDF : 305.7/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 21.255+/-0.334 χ^2/NDF : 333.2/10

22.393+/-0.308 χ^2/NDF : 305.7/12
 21.255+/-0.334 χ^2/NDF : 333.2/10

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 ± 0.211 χ^2/NDF : 1198.0/16

Left Out: 43.755 ± 0.217 χ^2/NDF : 647.9/12

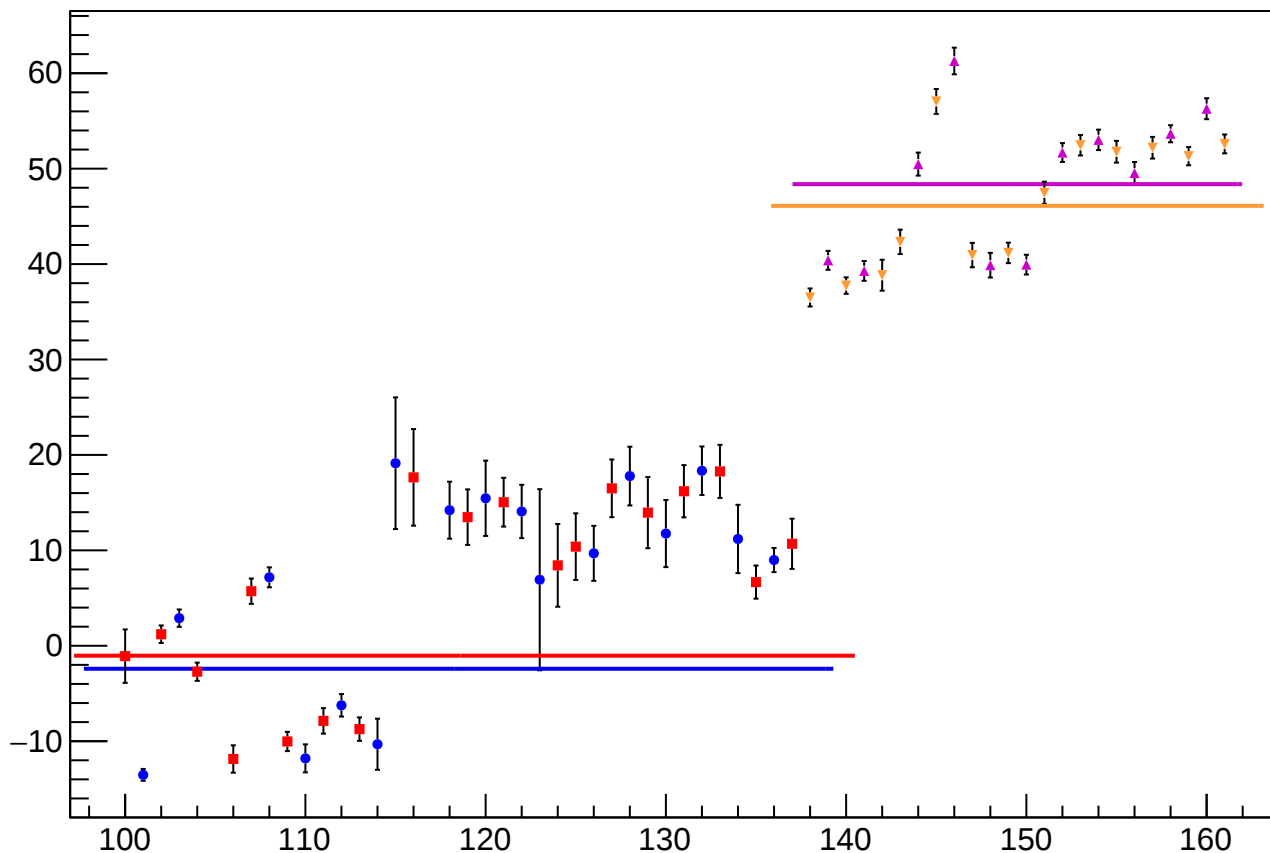
Right Out: 53.315 ± 0.227 χ^2/NDF : 875.6/18

Left In: 44.540 ± 0.238 χ^2/NDF : 1162.0/10

48.510 ± 0.151 χ^2/NDF : 2776.0/29

49.137 ± 0.164 χ^2/NDF : 2750.7/29

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 $\chi^2/\text{NDF}: 834.6/16$

Left Out: 46.099 ± 0.304 $\chi^2/\text{NDF}: 496.0/12$

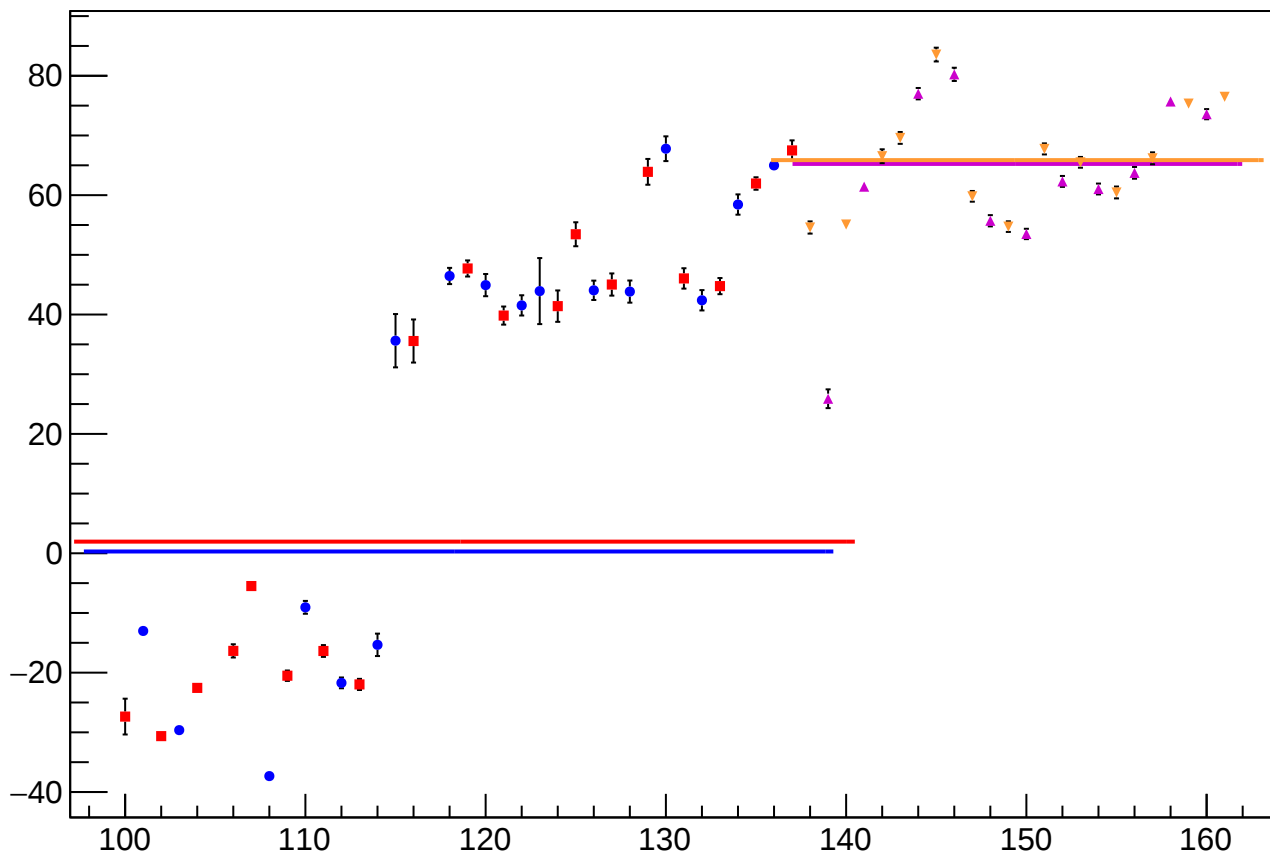
Right Out: -1.040 ± 0.377 $\chi^2/\text{NDF}: 507.5/18$

Left In: 48.375 ± 0.326 $\chi^2/\text{NDF}: 457.8/10$

26.161 ± 0.234 $\chi^2/\text{NDF}: 11772.0/29$

27.222 ± 0.247 $\chi^2/\text{NDF}: 10788.3/29$

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 65.870 ± 0.255 χ^2/NDF : 1133.9/12

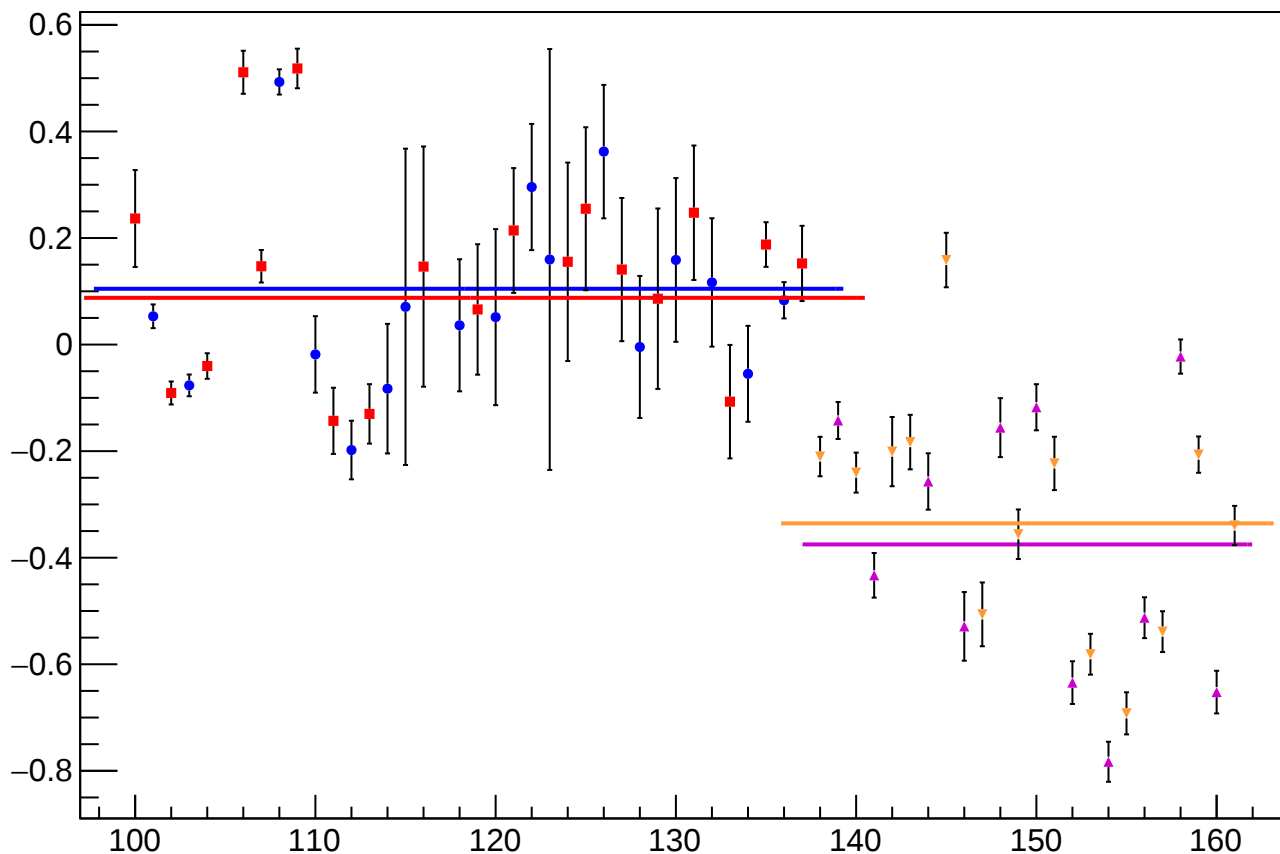
Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

Left In: 65.234 ± 0.277 χ^2/NDF : 1617.2/10

32.079 ± 0.178 χ^2/NDF : 53433.2/29

32.373 ± 0.192 χ^2/NDF : 44146.7/29

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 $\pm$ 0.011 χ^2 /NDF: 400.8/16

Left Out: -0.336 $\pm$ 0.012 χ^2 /NDF: 302.9/12

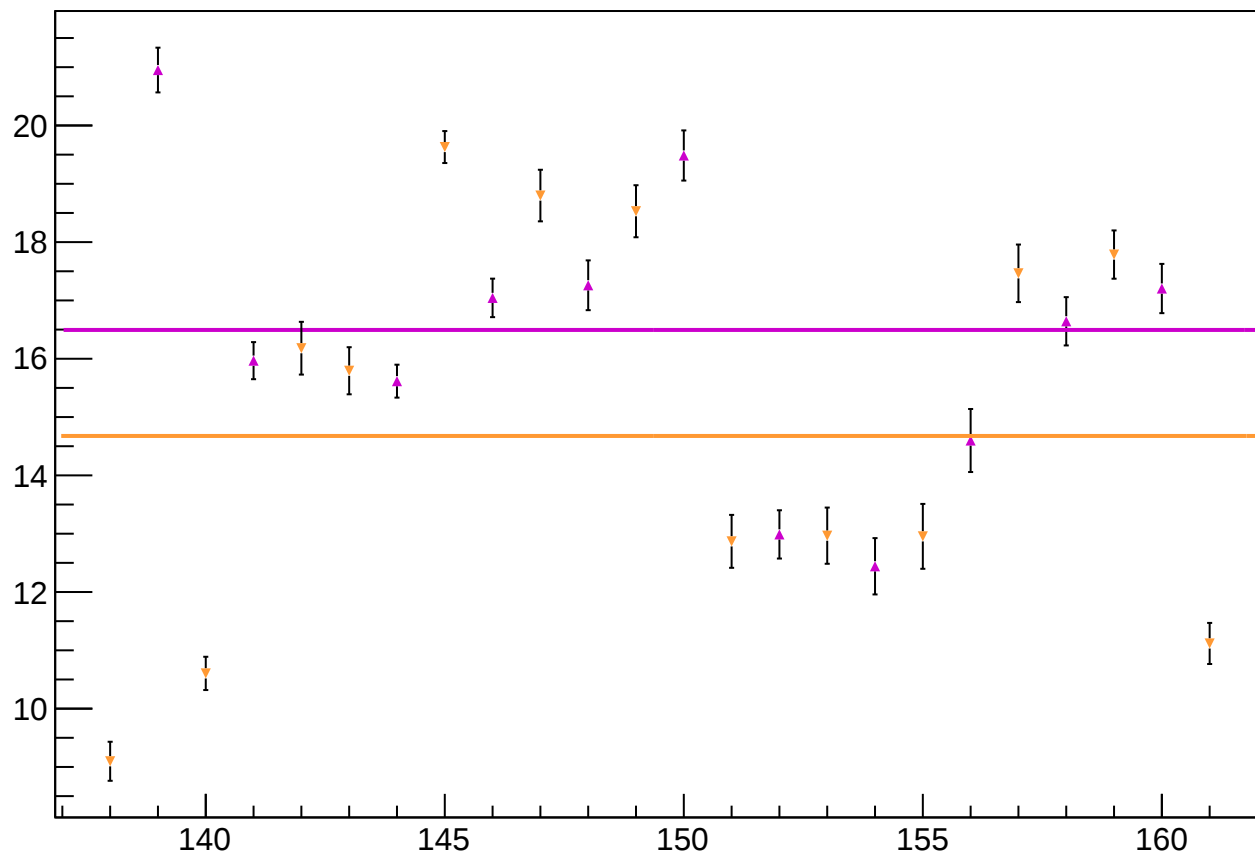
Right Out: 0.088 $\pm$ 0.011 χ^2 /NDF: 390.9/18

Left In: -0.375 $\pm$ 0.012 χ^2 /NDF: 449.7/10

-0.101 $\pm$ 0.008 χ^2 /NDF: 1446.2/29

-0.116 $\pm$ 0.008 χ^2 /NDF: 1616.7/29

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 14.676+/-0.108 χ^2 /NDF:1216.9/12

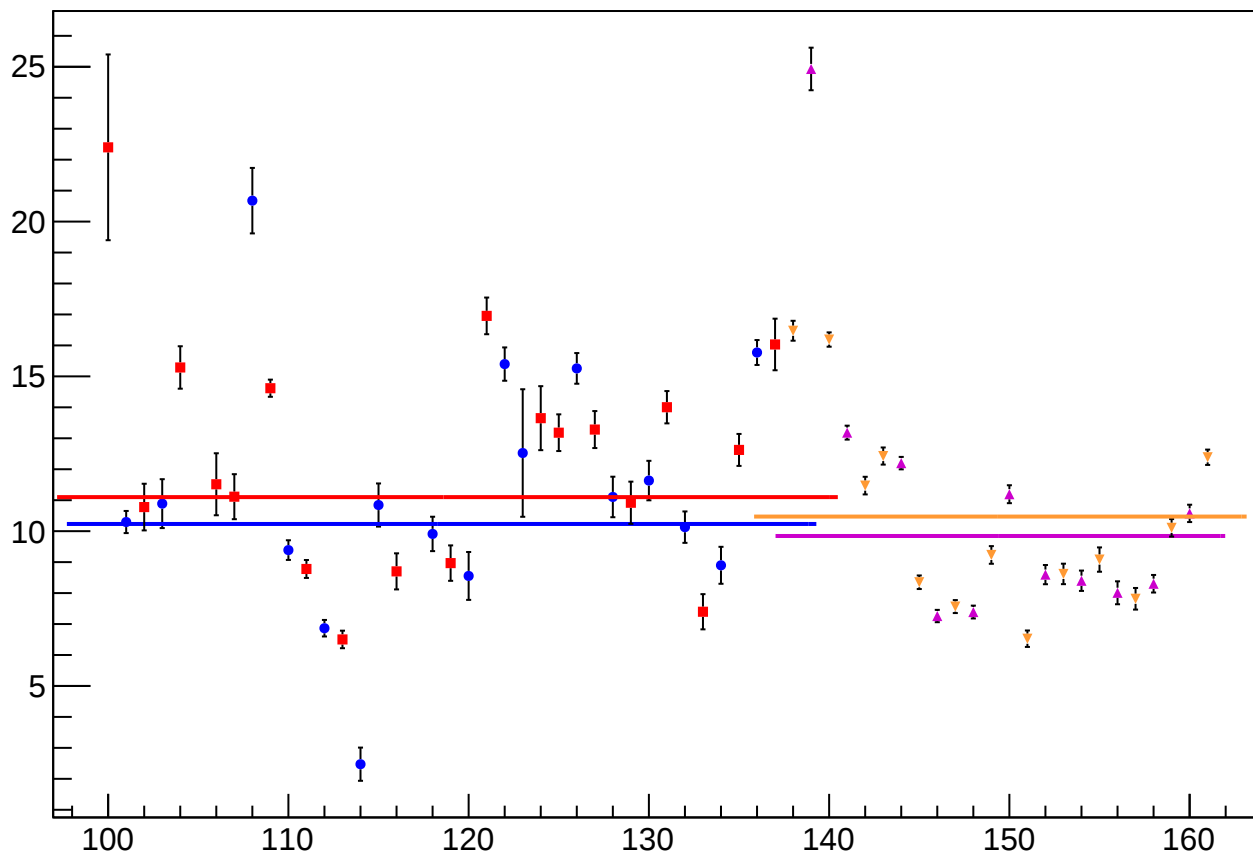
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 16.494+/-0.116 χ^2 /NDF:359.1/10

14.676+/-0.108 χ^2 /NDF: 1216.9/12

16.494+/-0.116 χ^2 /NDF: 359.1/10

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 10.472 ± 0.075 χ^2/NDF : 1709.9/12

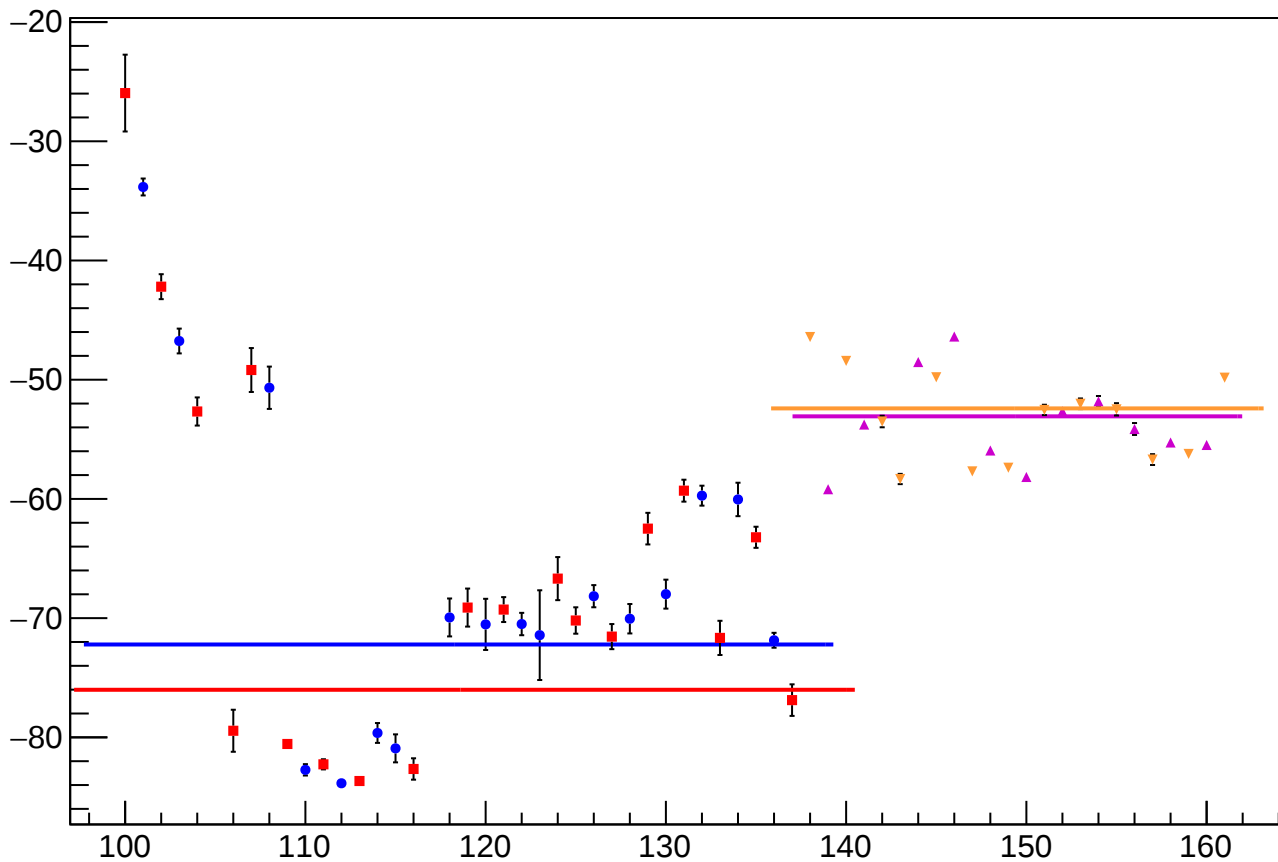
Right Out: 11.100 ± 0.116 χ^2/NDF : 817.8/18

Left In: 9.844 ± 0.079 χ^2/NDF : 1264.8/10

10.404 ± 0.064 χ^2/NDF : 2589.5/29

10.242 ± 0.066 χ^2/NDF : 2162.2/29

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 ± 0.198 $\chi^2/\text{NDF}: 5566.2/16$

Left Out: -52.407 ± 0.108 $\chi^2/\text{NDF}: 1271.8/12$

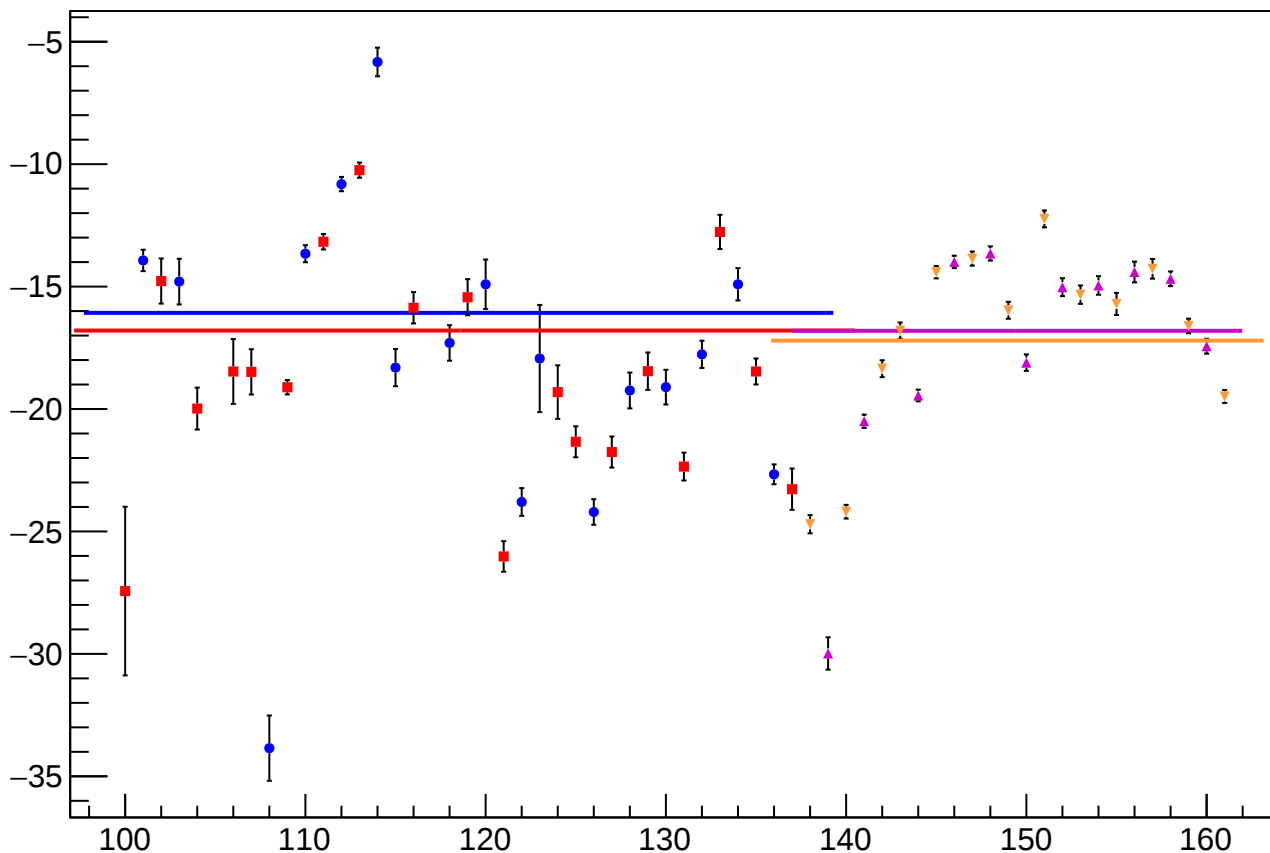
Right Out: -76.009 ± 0.181 $\chi^2/\text{NDF}: 3463.3/18$

Left In: -53.073 ± 0.114 $\chi^2/\text{NDF}: 1188.8/10$

-56.945 ± 0.095 $\chi^2/\text{NDF}: 14550.2/29$

-59.615 ± 0.097 $\chi^2/\text{NDF}: 16131.7/29$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -17.206 ± 0.089 $\chi^2/\text{NDF}: 1686.1/12$

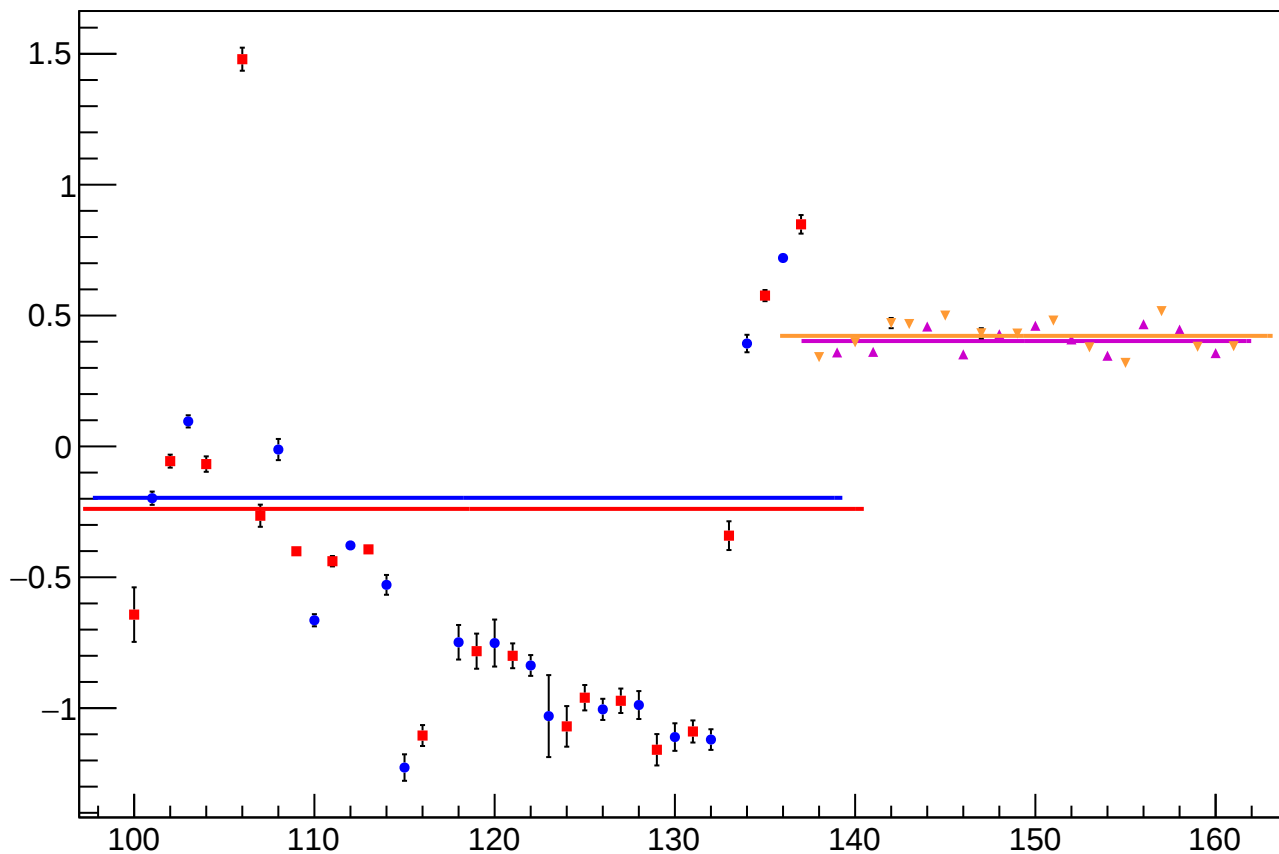
Right Out: -16.795 ± 0.128 $\chi^2/\text{NDF}: 1216.0/18$

Left In: -16.806 ± 0.095 $\chi^2/\text{NDF}: 1094.7/10$

-16.852 ± 0.074 $\chi^2/\text{NDF}: 3376.9/29$

-16.802 ± 0.076 $\chi^2/\text{NDF}: 2310.8/29$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.422 ± 0.004 χ^2/NDF : 201.8/12

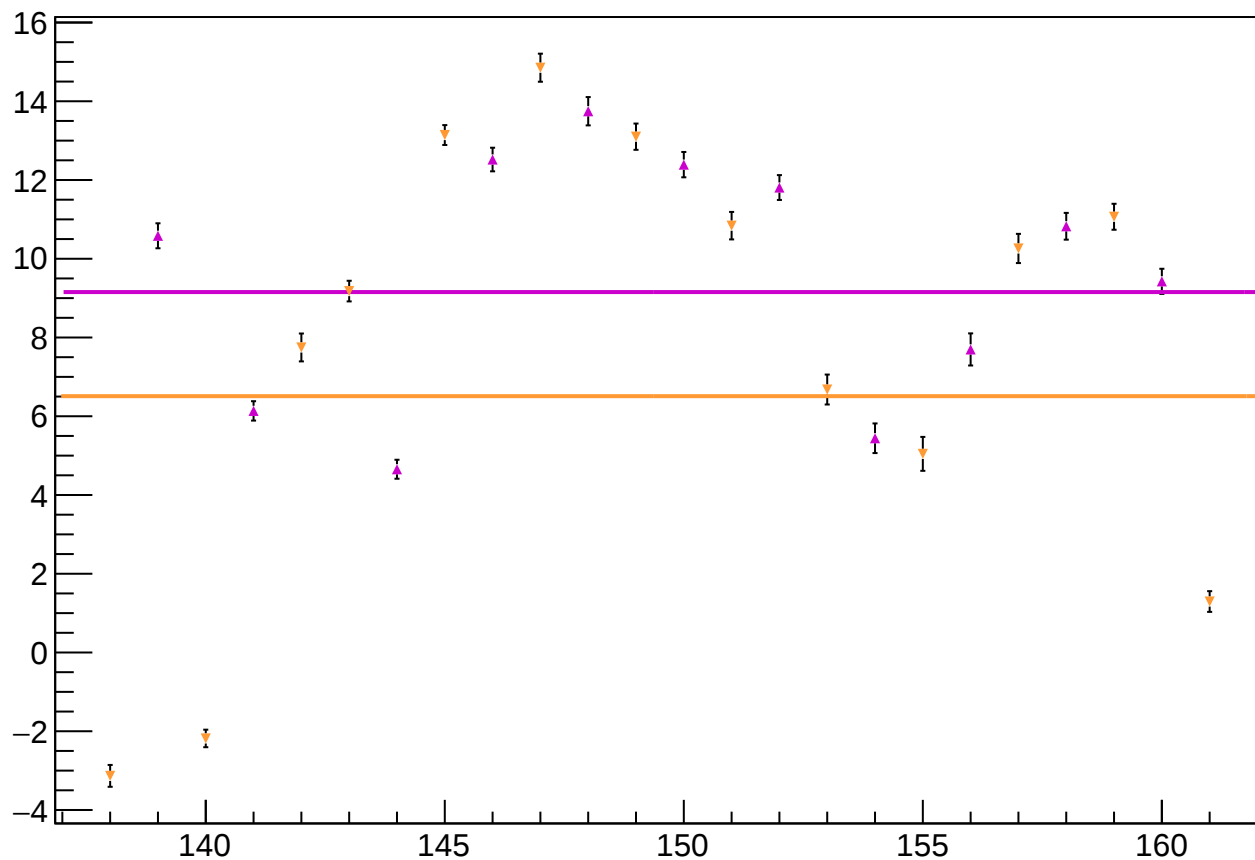
Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

Left In: 0.403 ± 0.005 χ^2/NDF : 110.6/10

0.274 ± 0.004 χ^2/NDF : 11633.8/29

0.221 ± 0.004 χ^2/NDF : 12017.6/29

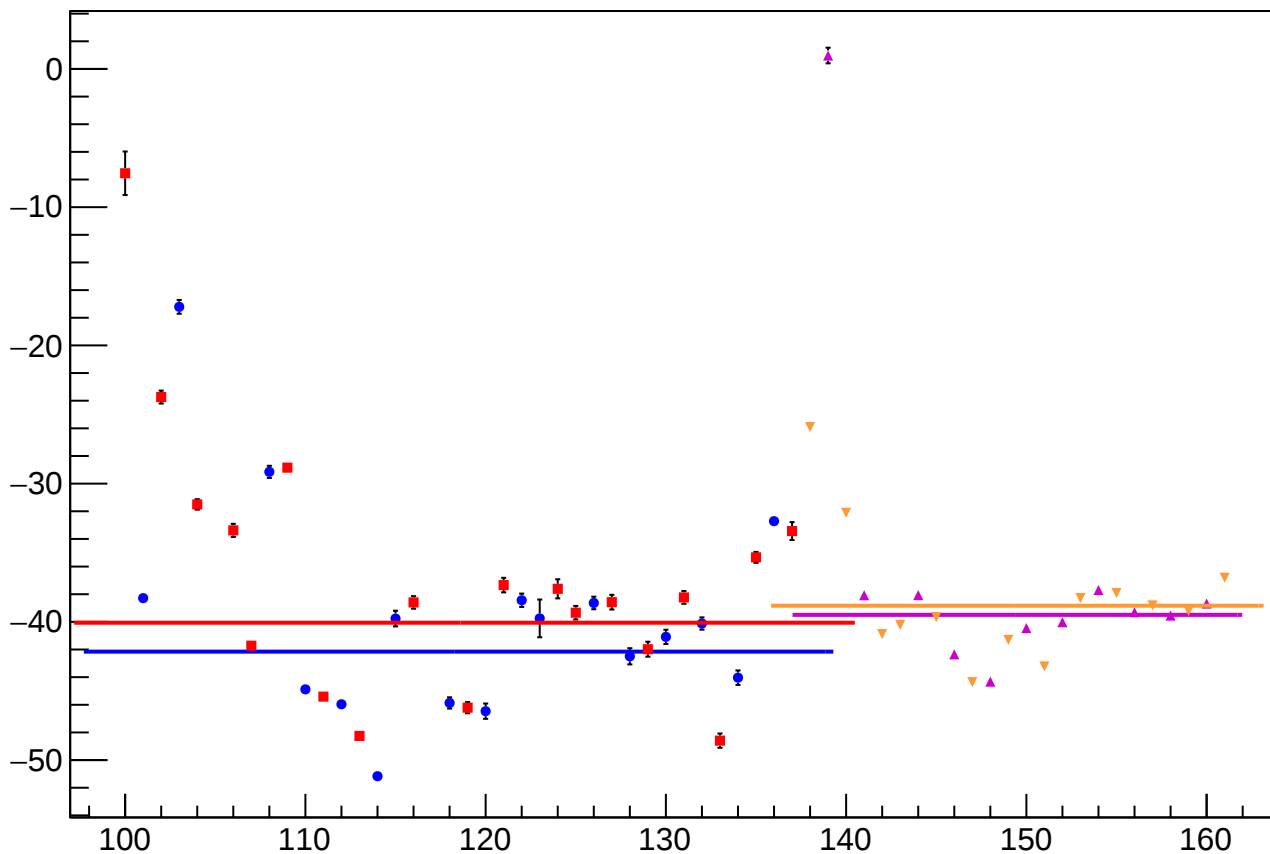
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 6.510+/-0.085 χ^2/NDF : 5326.9/12
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 9.154+/-0.094 χ^2/NDF : 1115.3/10

6.510+/-0.085 χ^2/NDF : 5326.9/12
9.154+/-0.094 χ^2/NDF : 1115.3/10

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -38.832 ± 0.059 χ^2/NDF : 5629.9/12

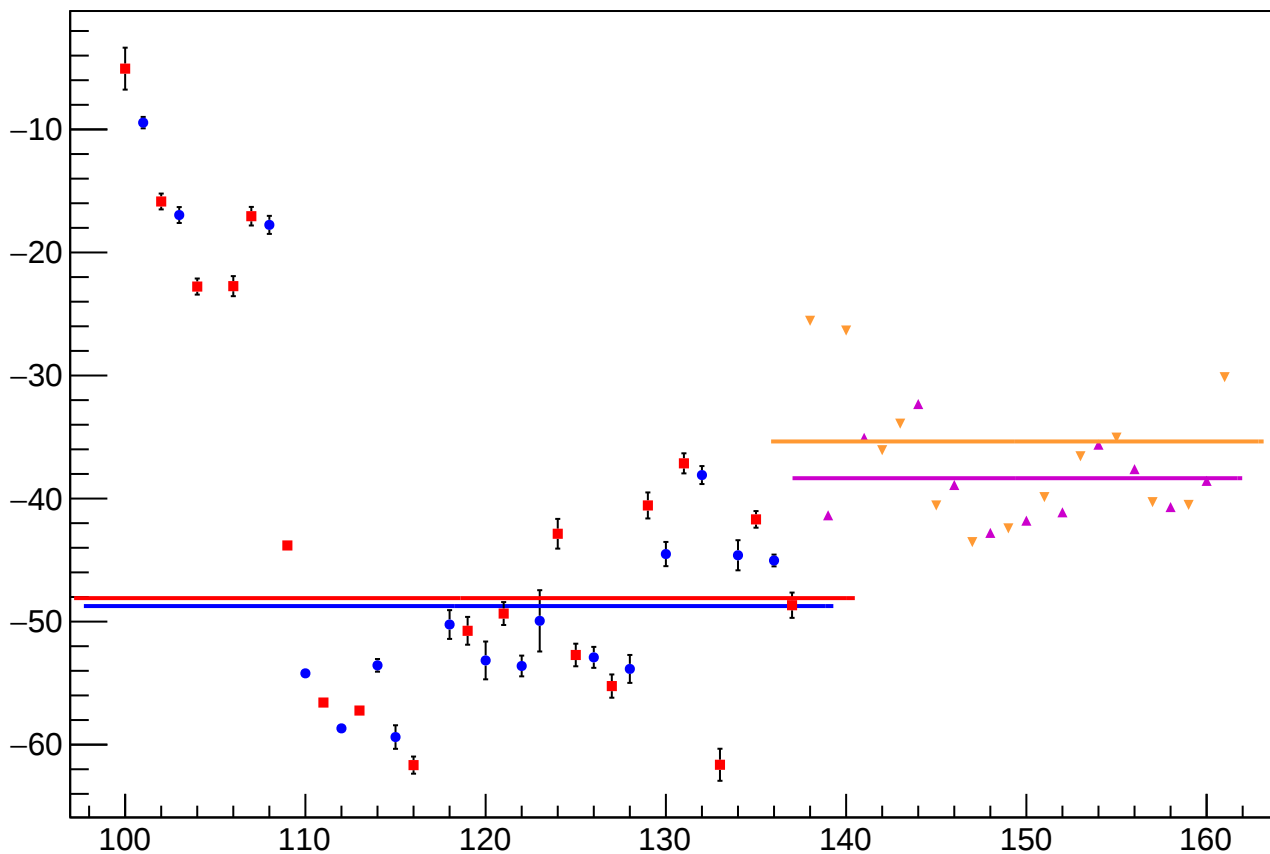
Right Out: -40.062 ± 0.073 χ^2/NDF : 11322.2/18

Left In: -39.494 ± 0.065 χ^2/NDF : 6310.3/10

-40.039 ± 0.047 χ^2/NDF : 13341.5/29

-39.745 ± 0.048 χ^2/NDF : 17666.5/29

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -35.359 ± 0.085 $\chi^2/\text{NDF}: 5148.9/12$

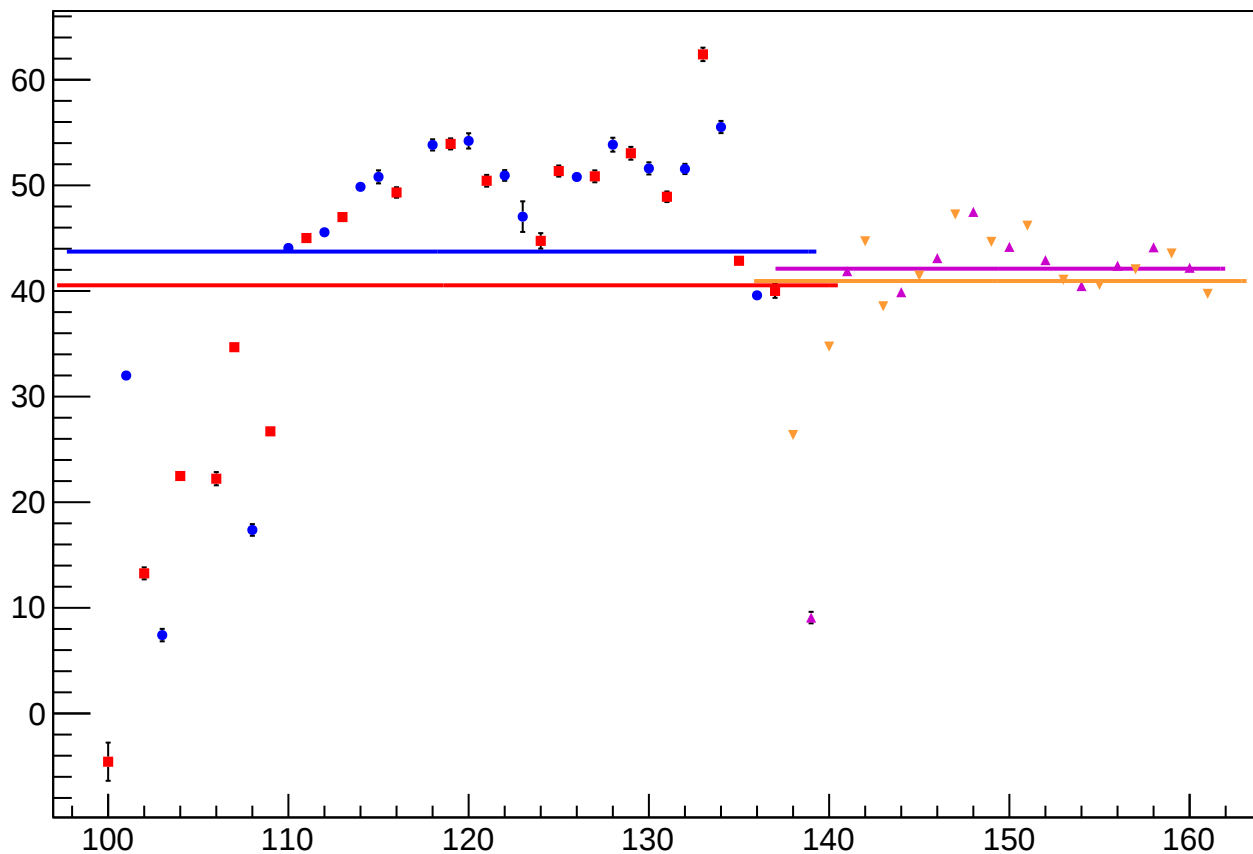
Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

Left In: -38.346 ± 0.092 $\chi^2/\text{NDF}: 1294.3/10$

-39.578 ± 0.070 $\chi^2/\text{NDF}: 27704.3/29$

-42.488 ± 0.070 $\chi^2/\text{NDF}: 17777.1/29$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 +/- 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.943 +/- 0.070 χ^2/NDF : 4823.1/12

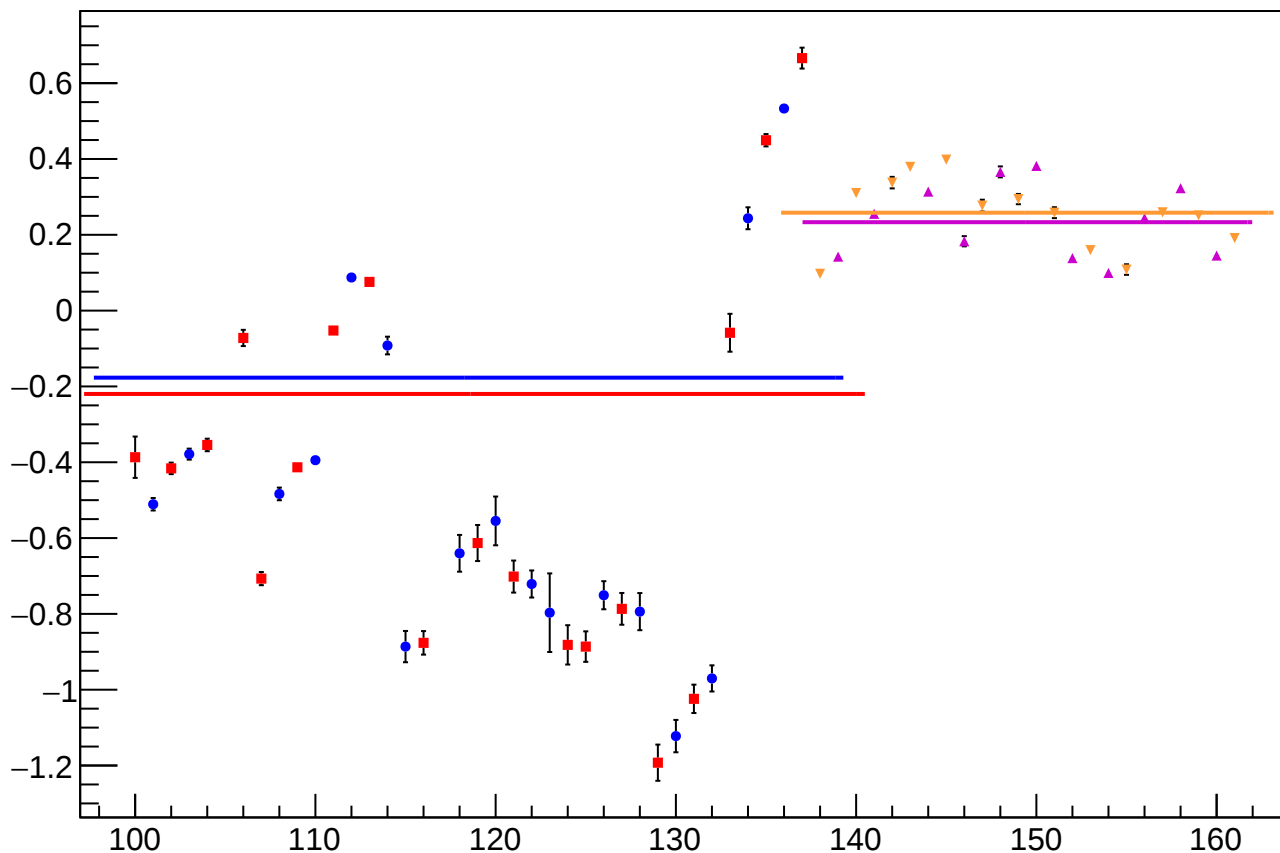
Right Out: 40.537 +/- 0.080 χ^2/NDF : 17601.3/18

Left In: 42.111 +/- 0.077 χ^2/NDF : 4466.1/10

42.037 +/- 0.054 χ^2/NDF : 16016.8/29

41.359 +/- 0.055 χ^2/NDF : 22268.6/29

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 $\chi^2/\text{NDF}: 7364.7/16$

Left Out: 0.258 ± 0.003 $\chi^2/\text{NDF}: 764.1/12$

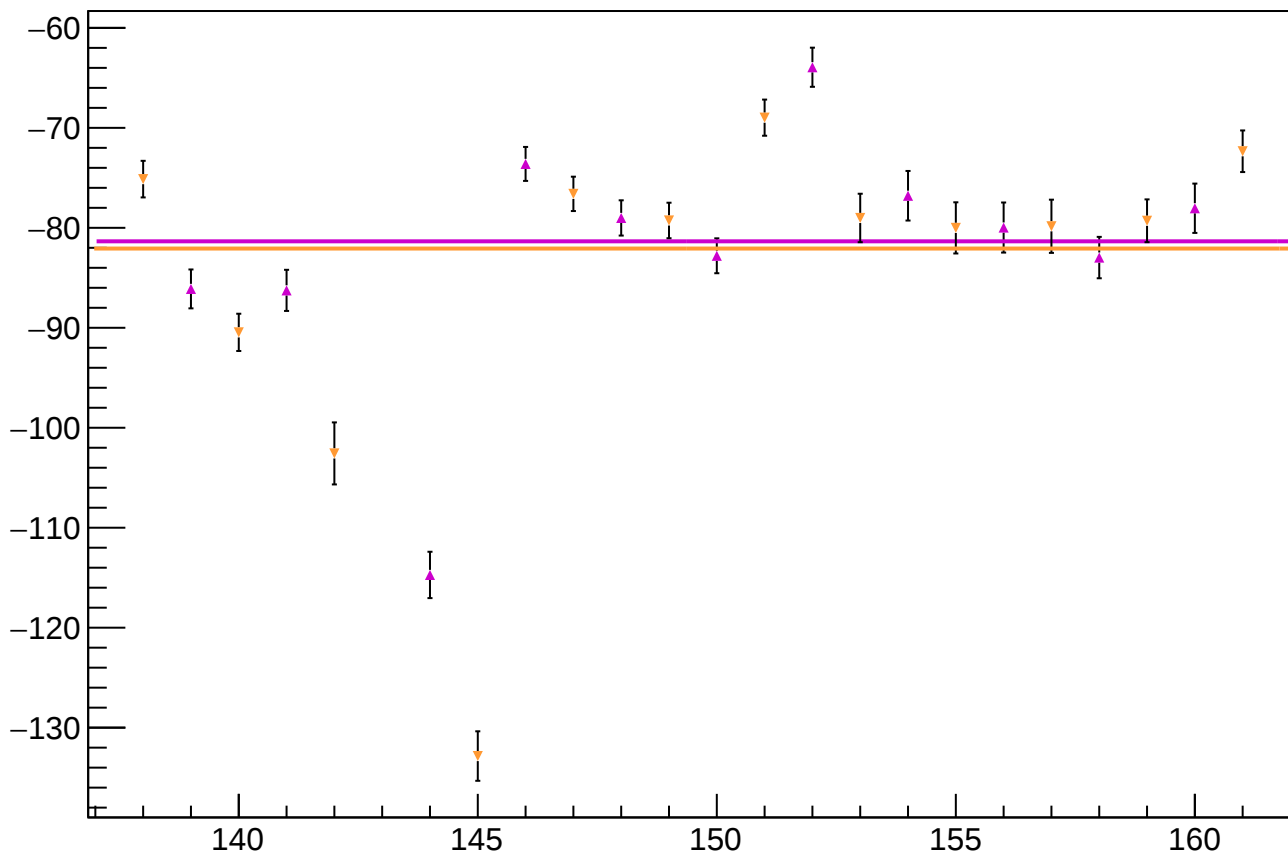
Right Out: -0.220 ± 0.004 $\chi^2/\text{NDF}: 7430.4/18$

Left In: 0.233 ± 0.004 $\chi^2/\text{NDF}: 657.9/10$

0.119 ± 0.003 $\chi^2/\text{NDF}: 13623.4/29$

0.046 ± 0.003 $\chi^2/\text{NDF}: 14586.5/29$

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -82.073+/-0.605 χ^2/NDF : 590.3/11

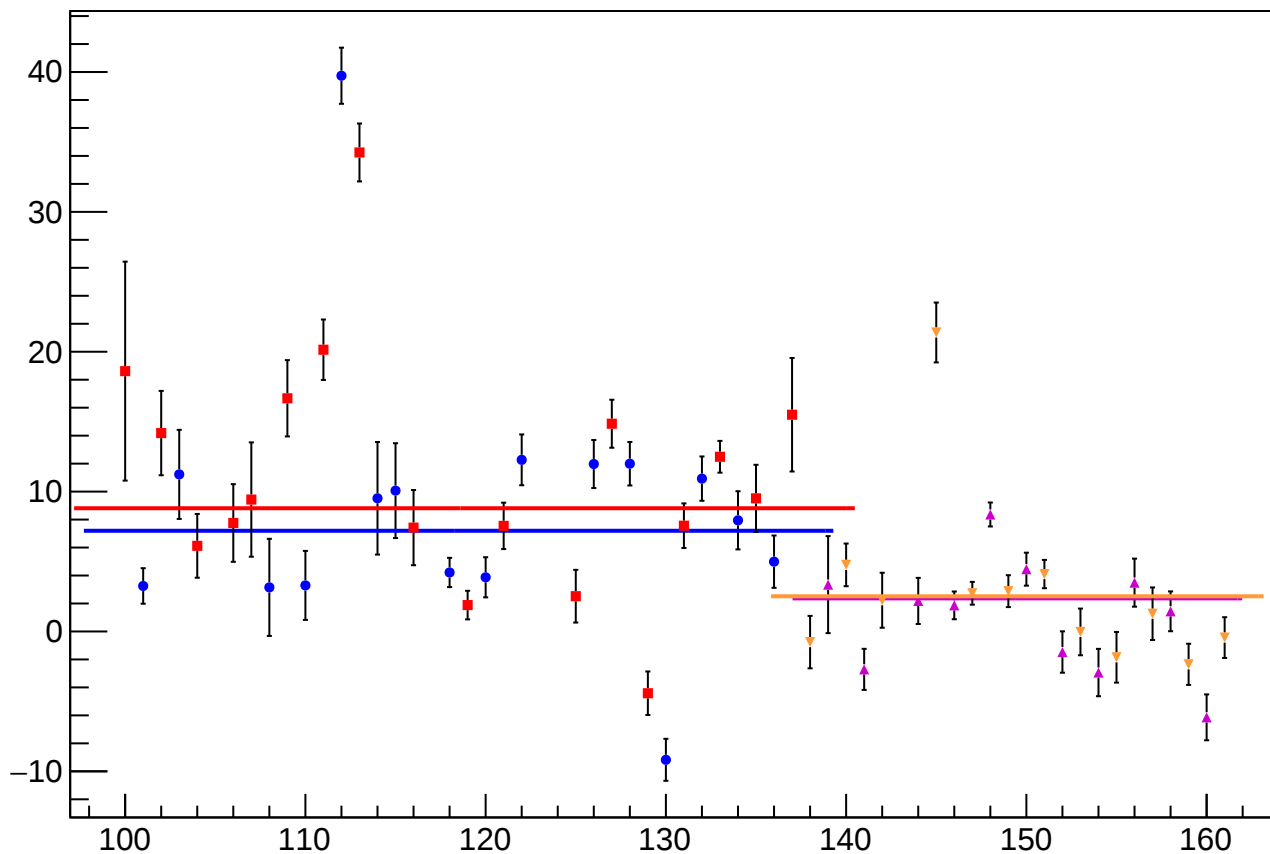
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -81.350+/-0.613 χ^2/NDF : 327.4/10

-82.073+/-0.605 χ^2/NDF : 590.3/11

-81.350+/-0.613 χ^2/NDF : 327.4/10

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 $\chi^2/\text{NDF}: 443.8/15$

Left Out: 2.515 ± 0.398 $\chi^2/\text{NDF}: 109.2/11$

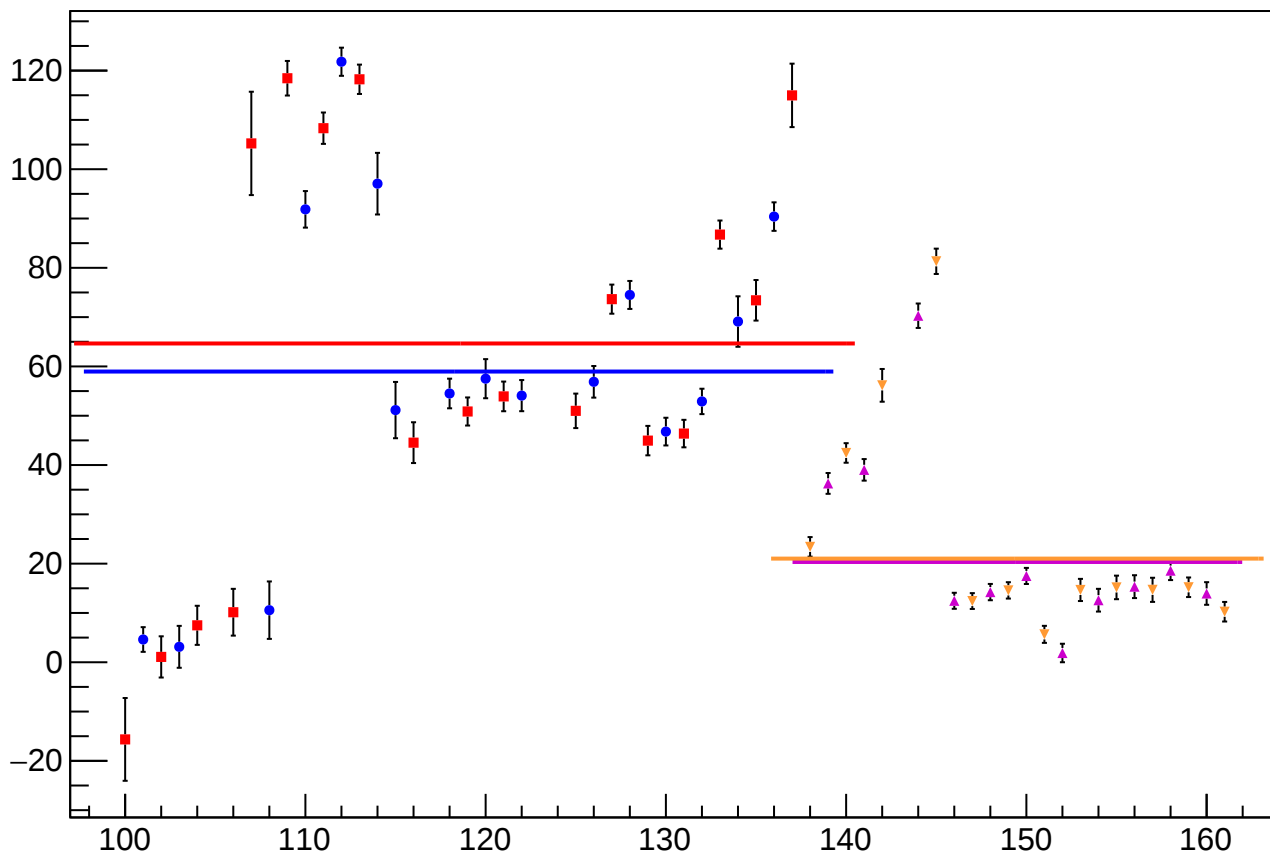
Right Out: 8.810 ± 0.448 $\chi^2/\text{NDF}: 349.7/17$

Left In: 2.366 ± 0.407 $\chi^2/\text{NDF}: 108.8/10$

4.624 ± 0.295 $\chi^2/\text{NDF}: 615.4/27$

5.284 ± 0.301 $\chi^2/\text{NDF}: 571.8/28$

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 21.022 $\pm$ 0.589 χ^2 /NDF: 962.6/11

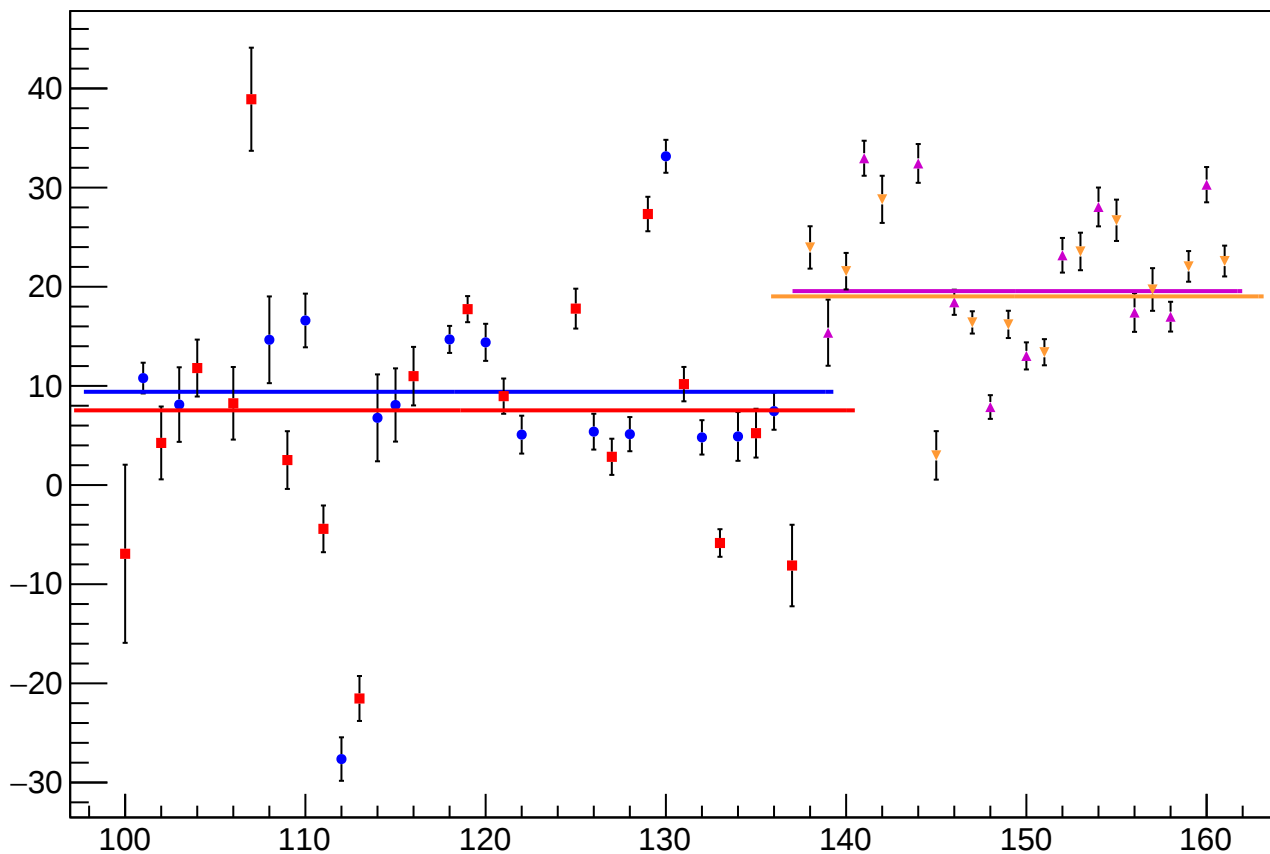
Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

Left In: 20.339 $\pm$ 0.594 χ^2 /NDF: 697.8/10

33.585 $\pm$ 0.482 χ^2 /NDF: 3833.5/27

35.096 $\pm$ 0.485 χ^2 /NDF: 4275.9/28

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 19.028 ± 0.482 $\chi^2/\text{NDF}: 123.5/11$

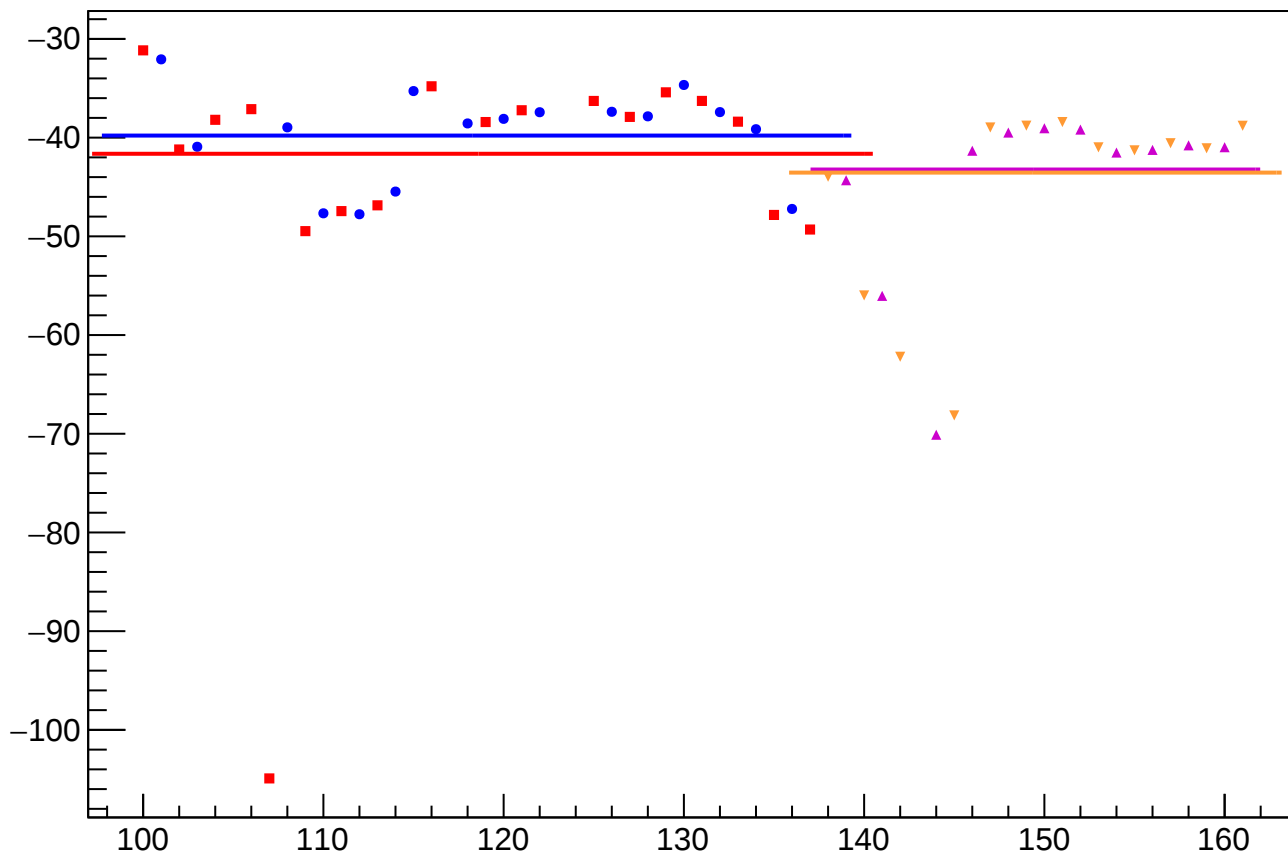
Right Out: 7.533 ± 0.515 $\chi^2/\text{NDF}: 569.8/17$

Left In: 19.561 ± 0.492 $\chi^2/\text{NDF}: 285.3/10$

14.460 ± 0.349 $\chi^2/\text{NDF}: 862.5/27$

13.823 ± 0.356 $\chi^2/\text{NDF}: 1140.5/28$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -43.542 ± 0.023 χ^2/NDF : 119796.8/11

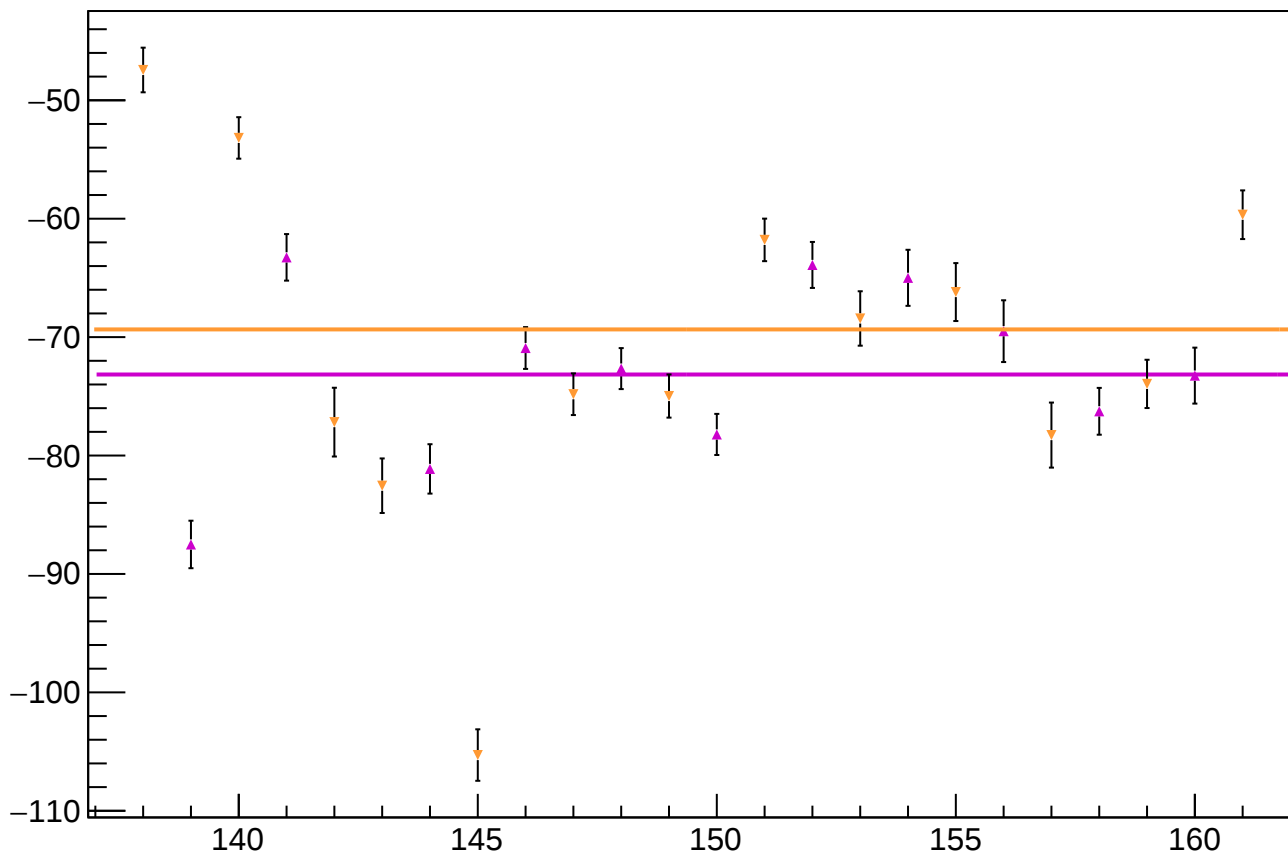
Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

Left In: -43.231 ± 0.023 χ^2/NDF : 95279.5/10

-42.193 ± 0.019 χ^2/NDF : 155176.2/27

-42.659 ± 0.019 χ^2/NDF : 191348.7/28

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -69.350+/-0.575 χ^2/NDF : 610.4/12

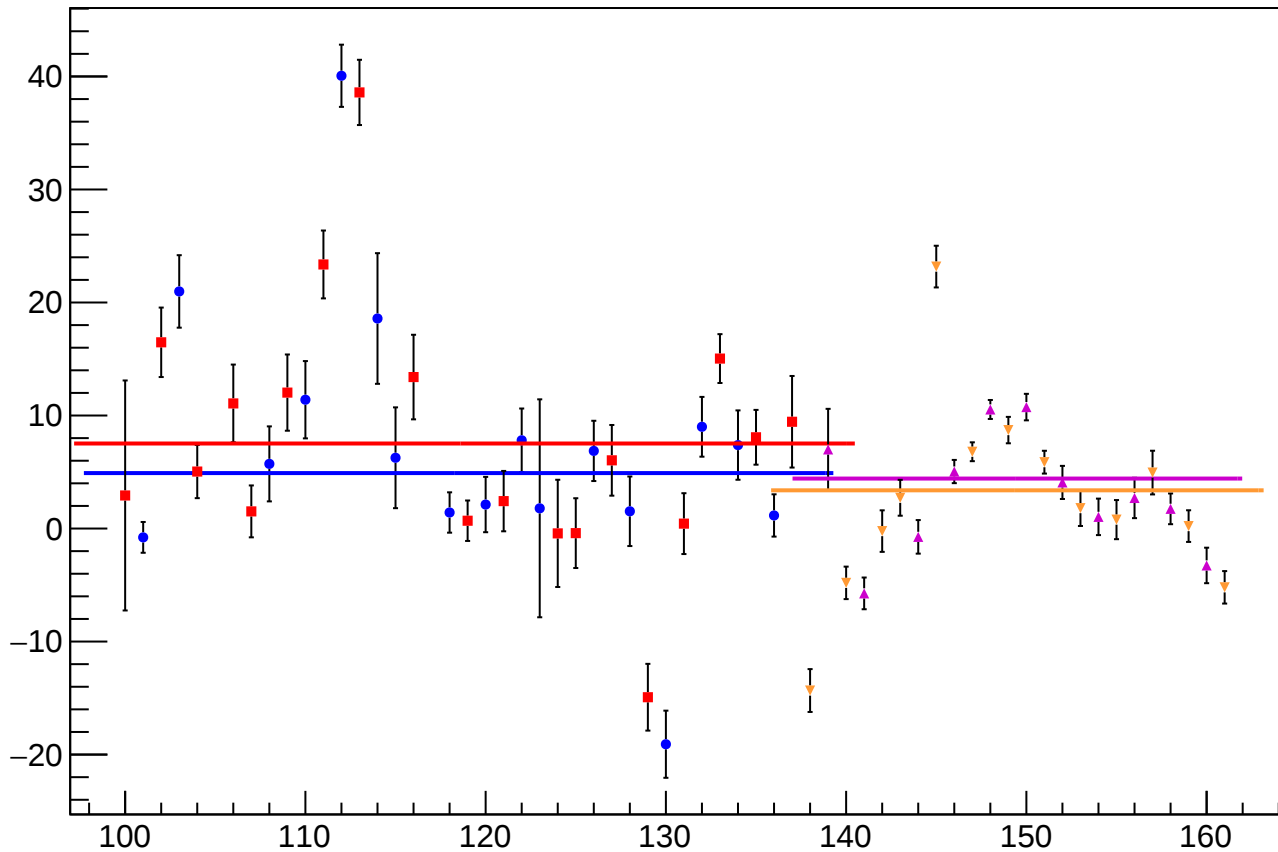
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -73.157+/-0.603 χ^2/NDF : 140.4/10

-69.350+/-0.575 χ^2/NDF : 610.4/12

-73.157+/-0.603 χ^2/NDF : 140.4/10

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 3.381 ± 0.381 χ^2/NDF : 327.3/12

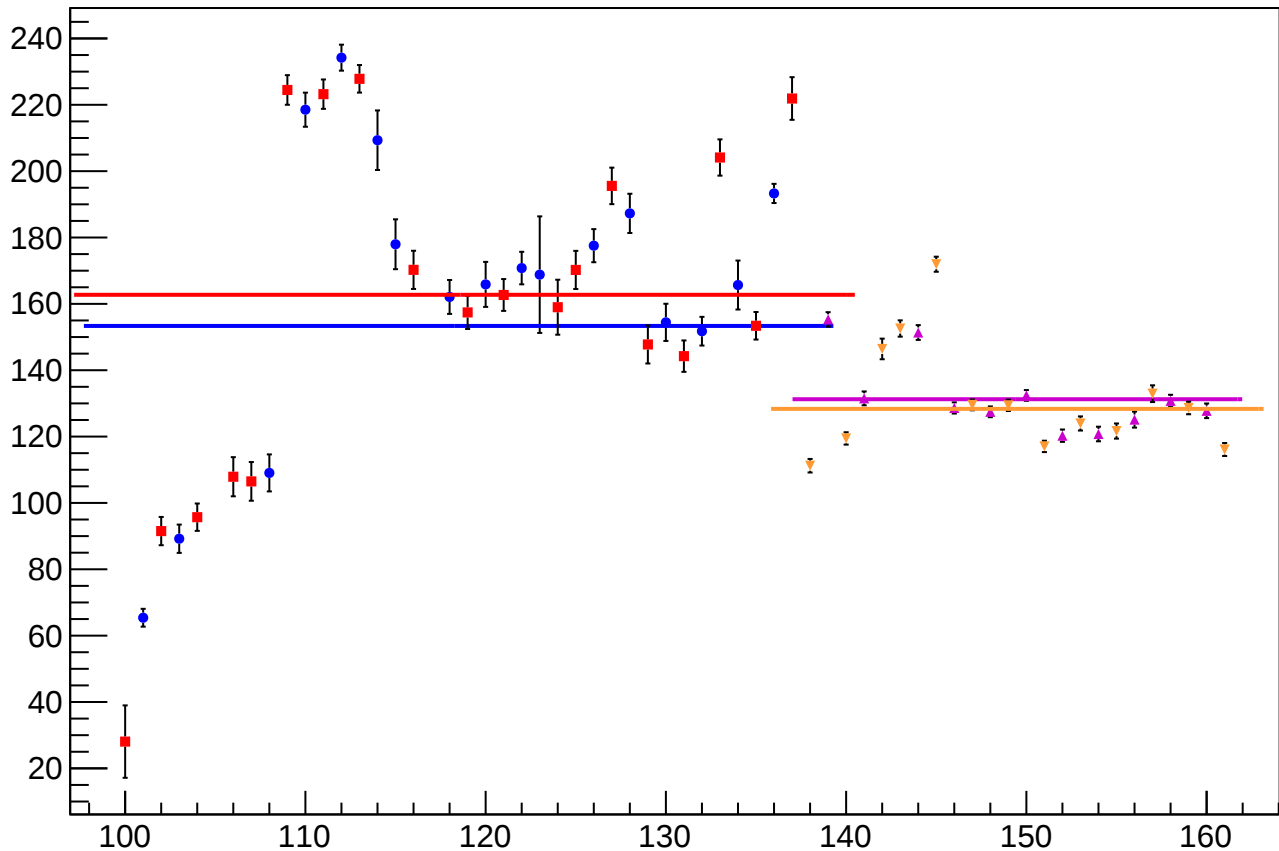
Right Out: 7.523 ± 0.651 χ^2/NDF : 270.6/18

Left In: 4.422 ± 0.400 χ^2/NDF : 180.7/10

3.791 ± 0.326 χ^2/NDF : 627.0/29

5.274 ± 0.341 χ^2/NDF : 467.8/29

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 ± 1.150 χ^2/NDF : 2268.3/16

Left Out: 128.352 ± 0.563 χ^2/NDF : 692.5/12

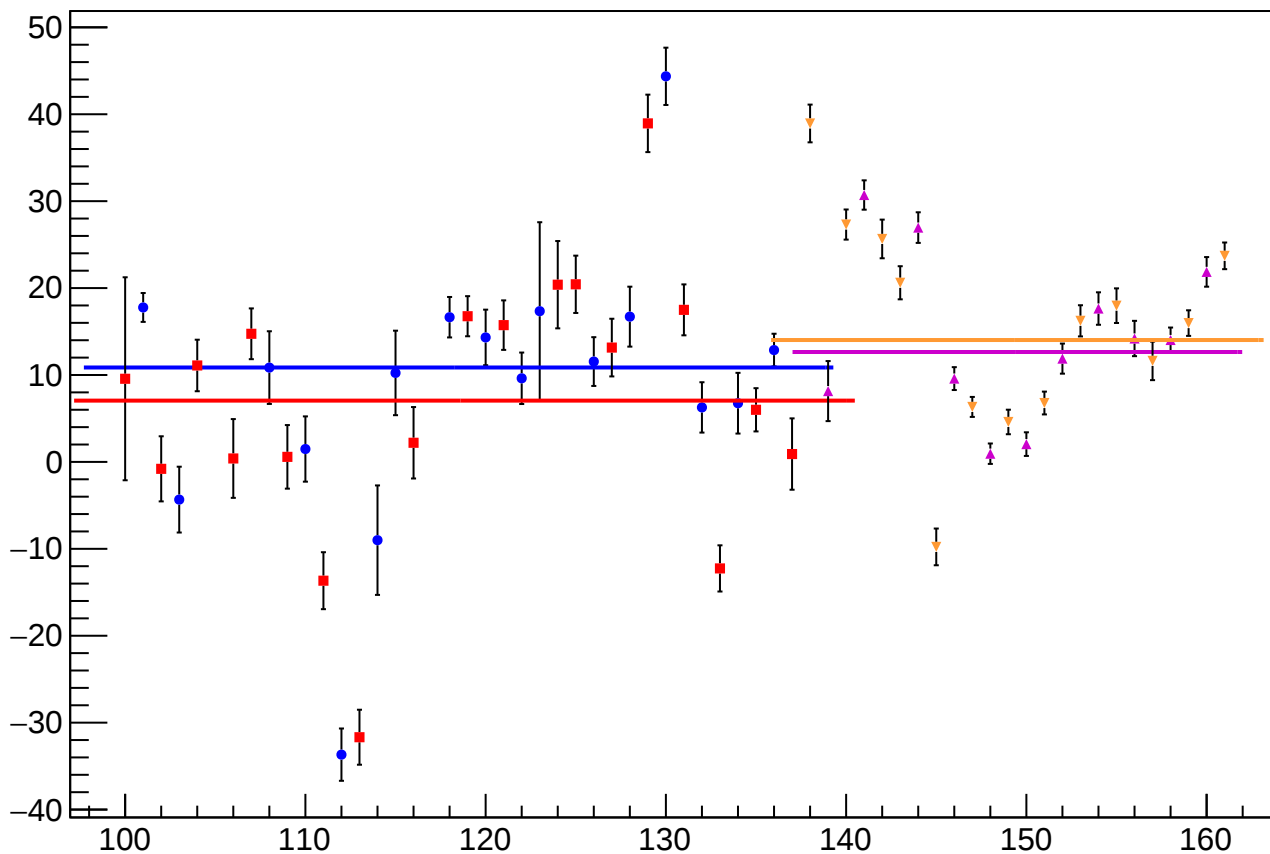
Right Out: 162.734 ± 1.177 χ^2/NDF : 1708.8/18

Left In: 131.260 ± 0.585 χ^2/NDF : 279.0/10

133.186 ± 0.506 χ^2/NDF : 3341.8/29

137.489 ± 0.524 χ^2/NDF : 2561.4/29

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 14.024 $\pm$ 0.459 χ^2 /NDF: 524.9/12

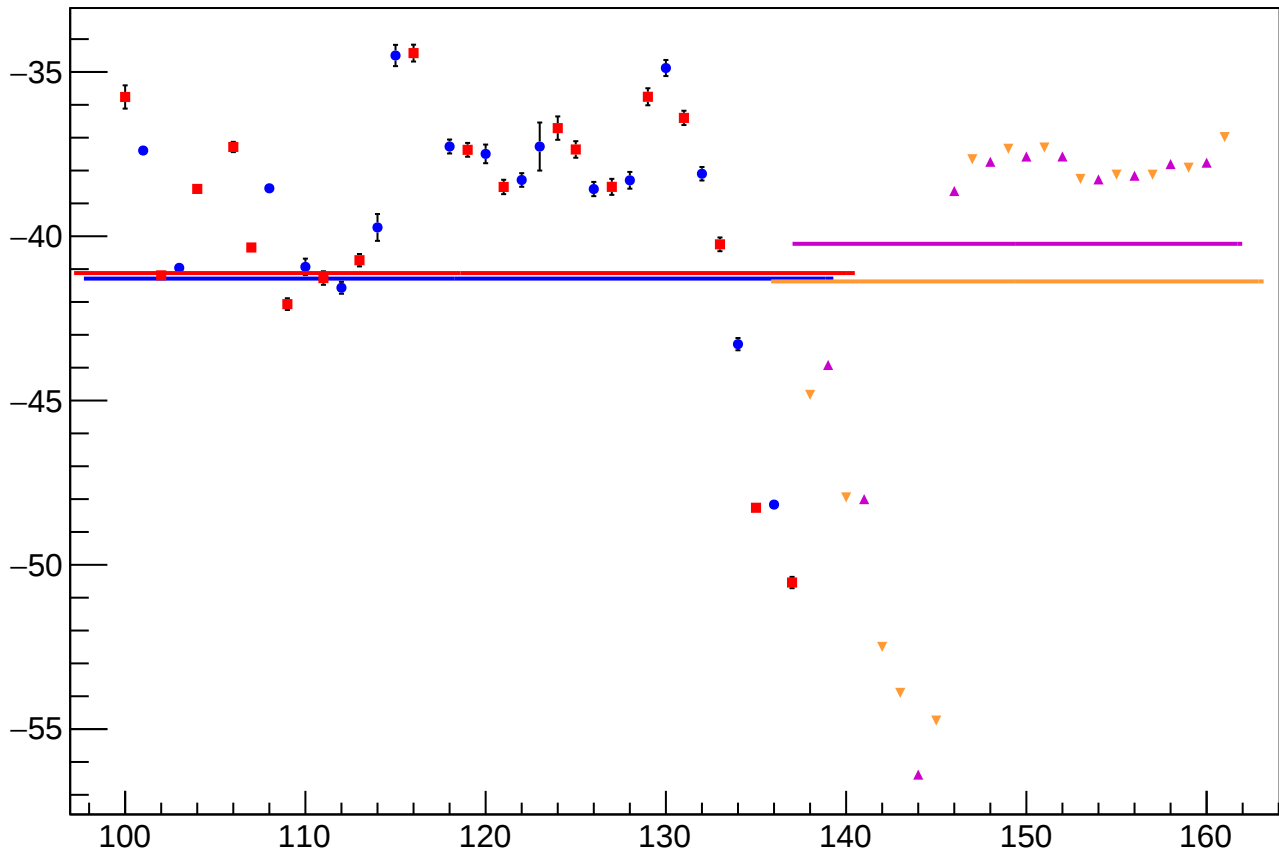
Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

Left In: 12.646 $\pm$ 0.483 χ^2 /NDF: 385.8/10

13.108 $\pm$ 0.387 χ^2 /NDF: 926.5/29

11.000 $\pm$ 0.405 χ^2 /NDF: 850.1/29

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -41.375 ± 0.022 $\chi^2/\text{NDF}: 73933.4/12$

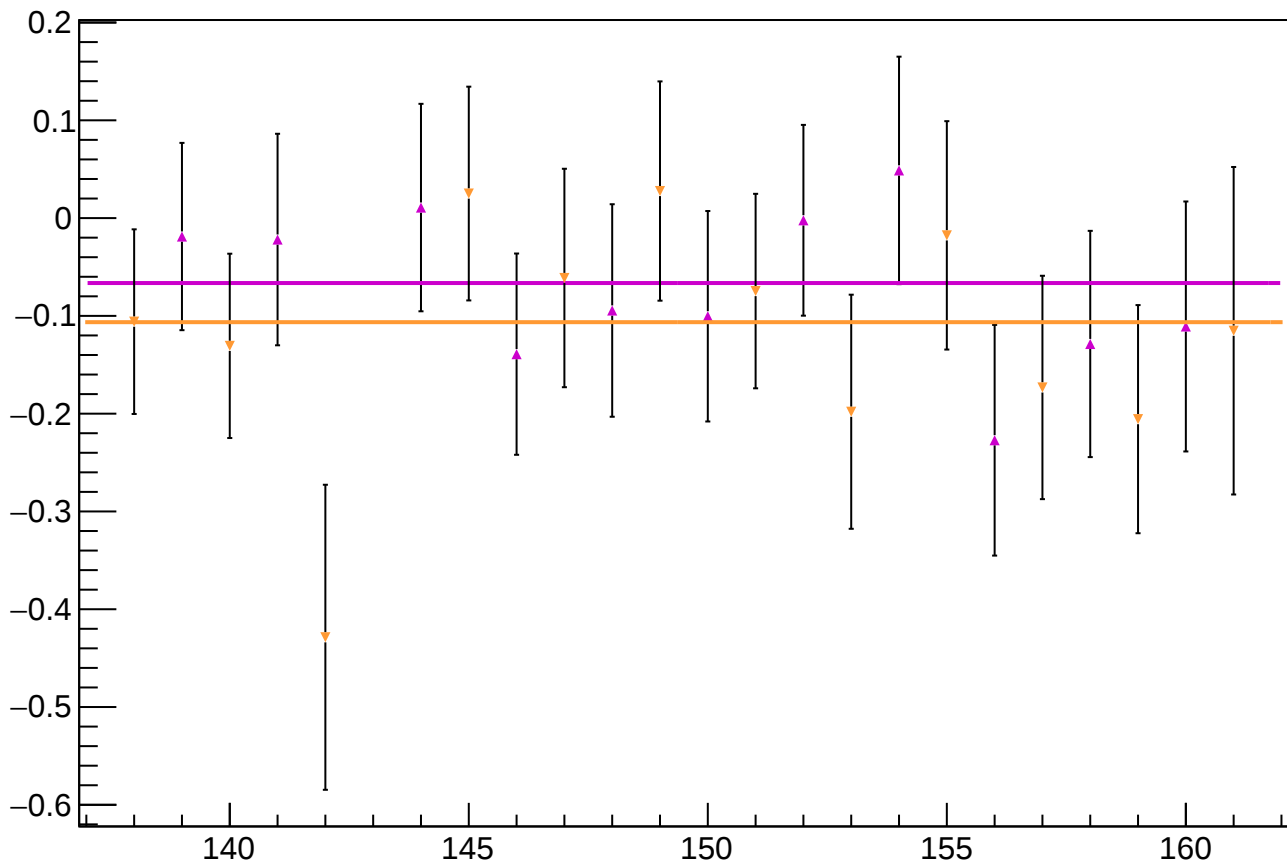
Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

Left In: -40.230 ± 0.023 $\chi^2/\text{NDF}: 46302.5/10$

-41.353 ± 0.019 $\chi^2/\text{NDF}: 86446.2/29$

-40.462 ± 0.020 $\chi^2/\text{NDF}: 58804.9/29$

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.106+/-0.033 χ^2/NDF : 9.7/11

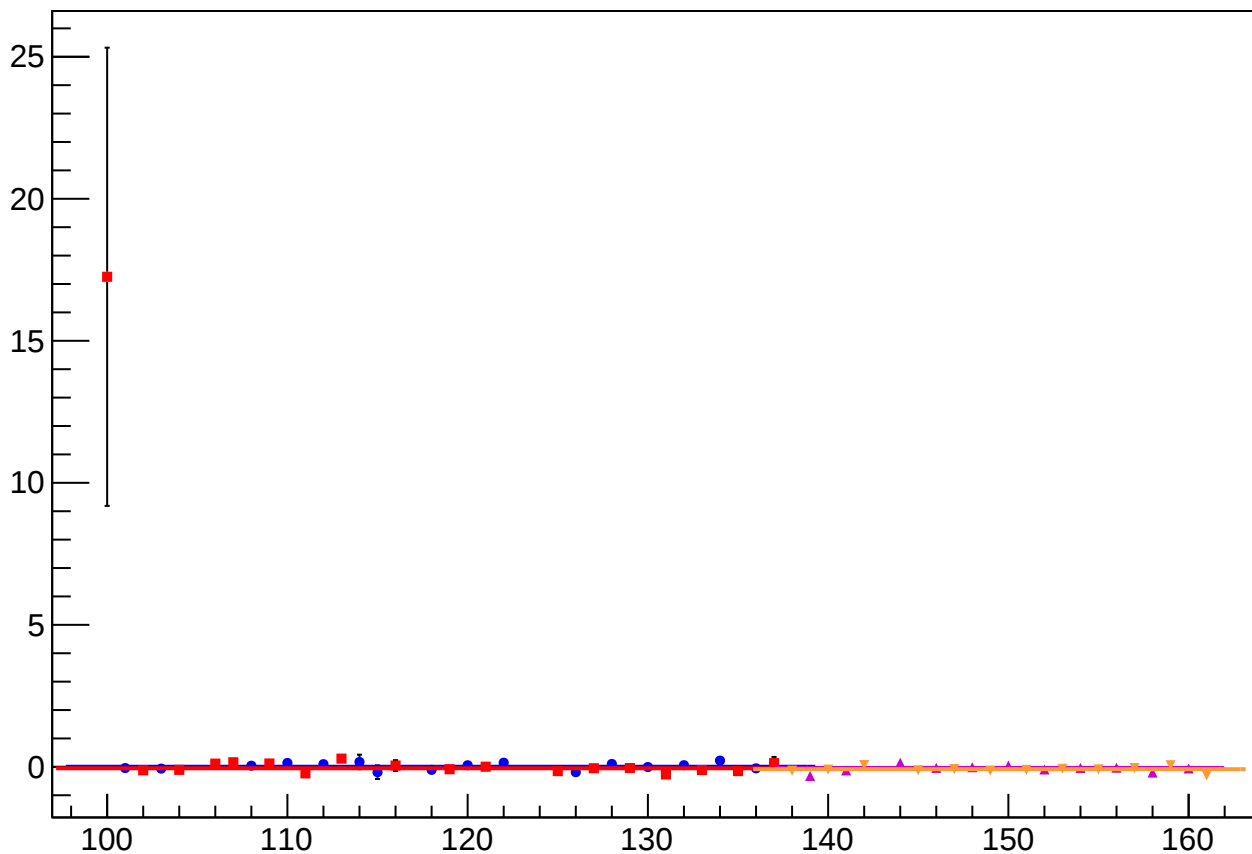
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.066+/-0.033 χ^2/NDF : 5.3/10

-0.106+/-0.033 χ^2/NDF : 9.7/11

-0.066+/-0.033 χ^2/NDF : 5.3/10

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.082 ± 0.022 χ^2/NDF : 9.9/11

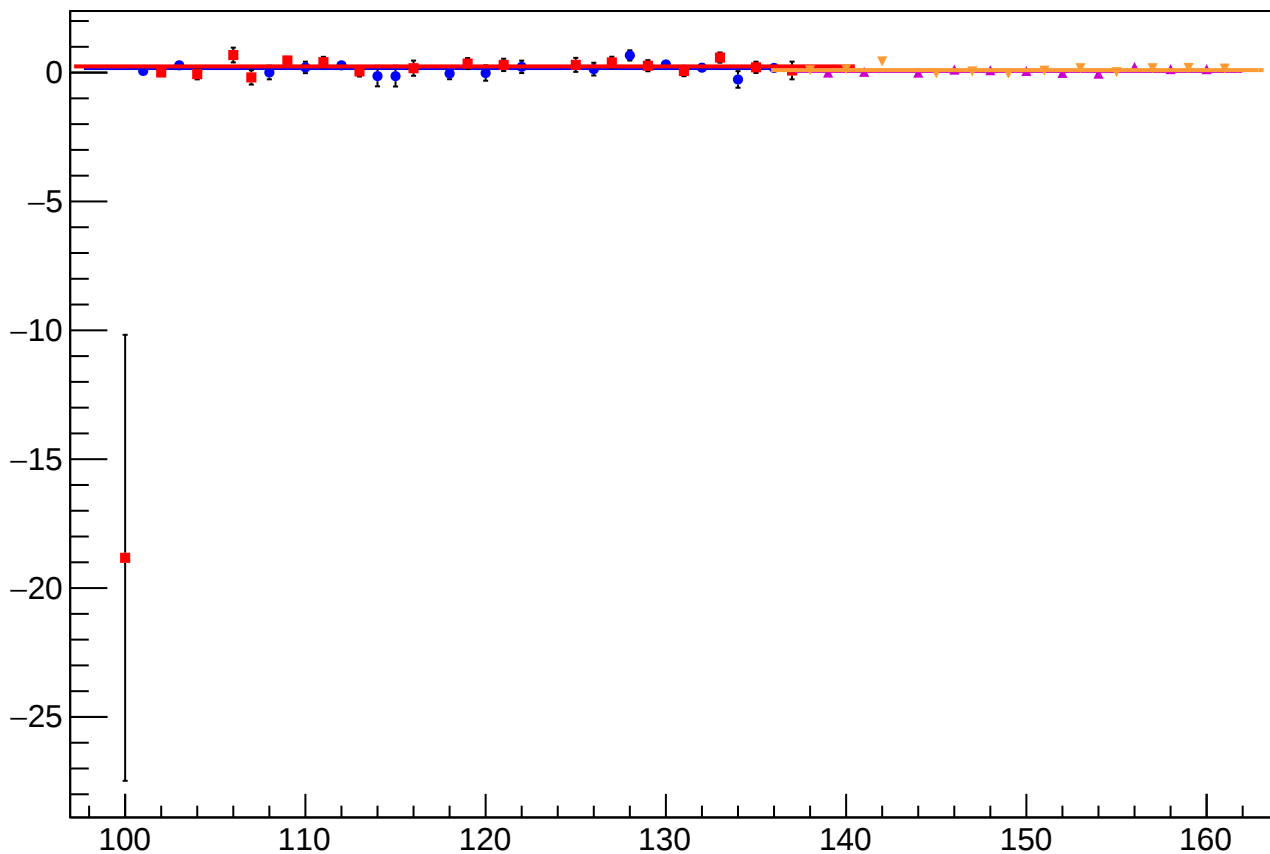
Right Out: -0.050 ± 0.029 χ^2/NDF : 25.6/17

Left In: -0.039 ± 0.023 χ^2/NDF : 16.1/10

-0.050 ± 0.018 χ^2/NDF : 27.9/27

-0.043 ± 0.018 χ^2/NDF : 41.7/28

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.096 $\pm$ 0.032 χ^2 /NDF: 9.5/11

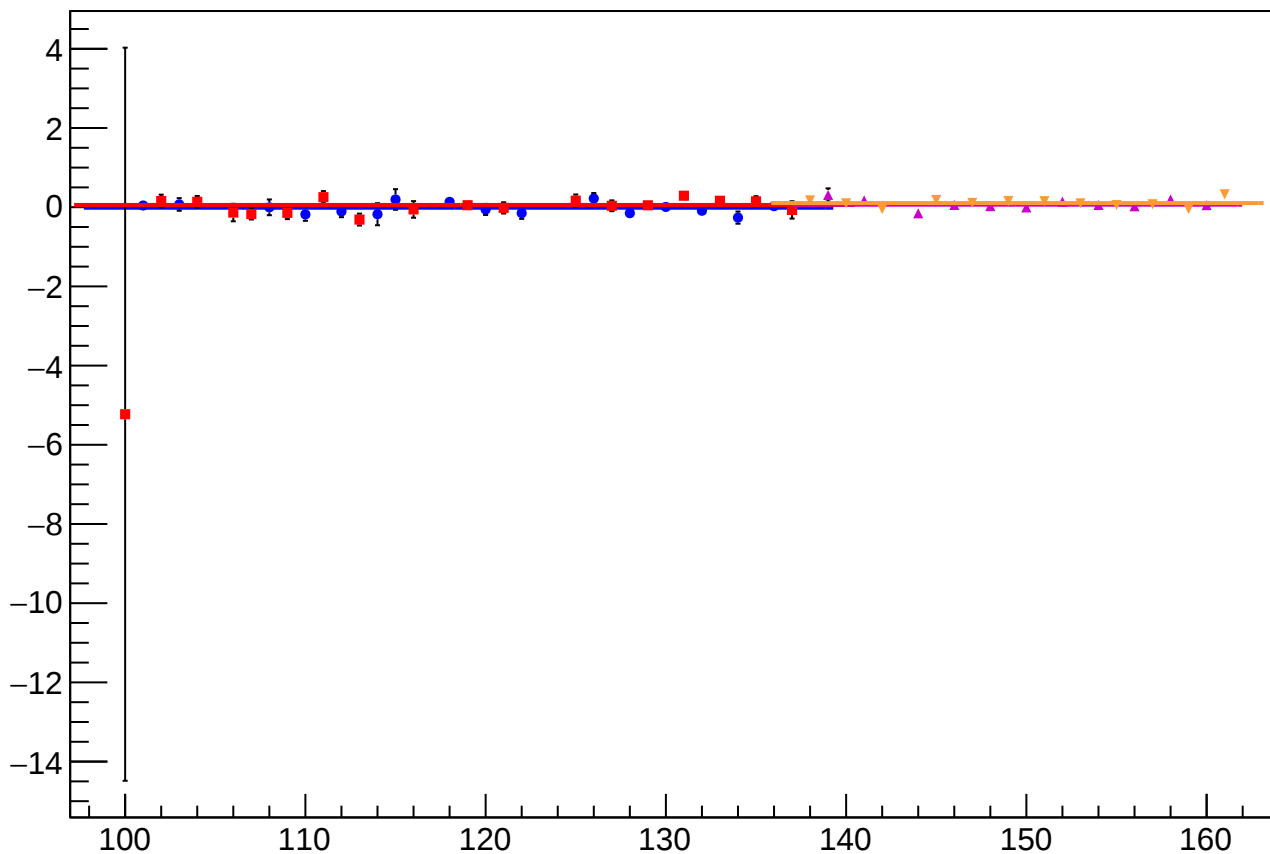
Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

Left In: 0.065 $\pm$ 0.032 χ^2 /NDF: 5.5/10

0.117 $\pm$ 0.027 χ^2 /NDF: 24.2/27

0.110 $\pm$ 0.027 χ^2 /NDF: 34.9/28

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.104 ± 0.027 χ^2/NDF : 9.8/11

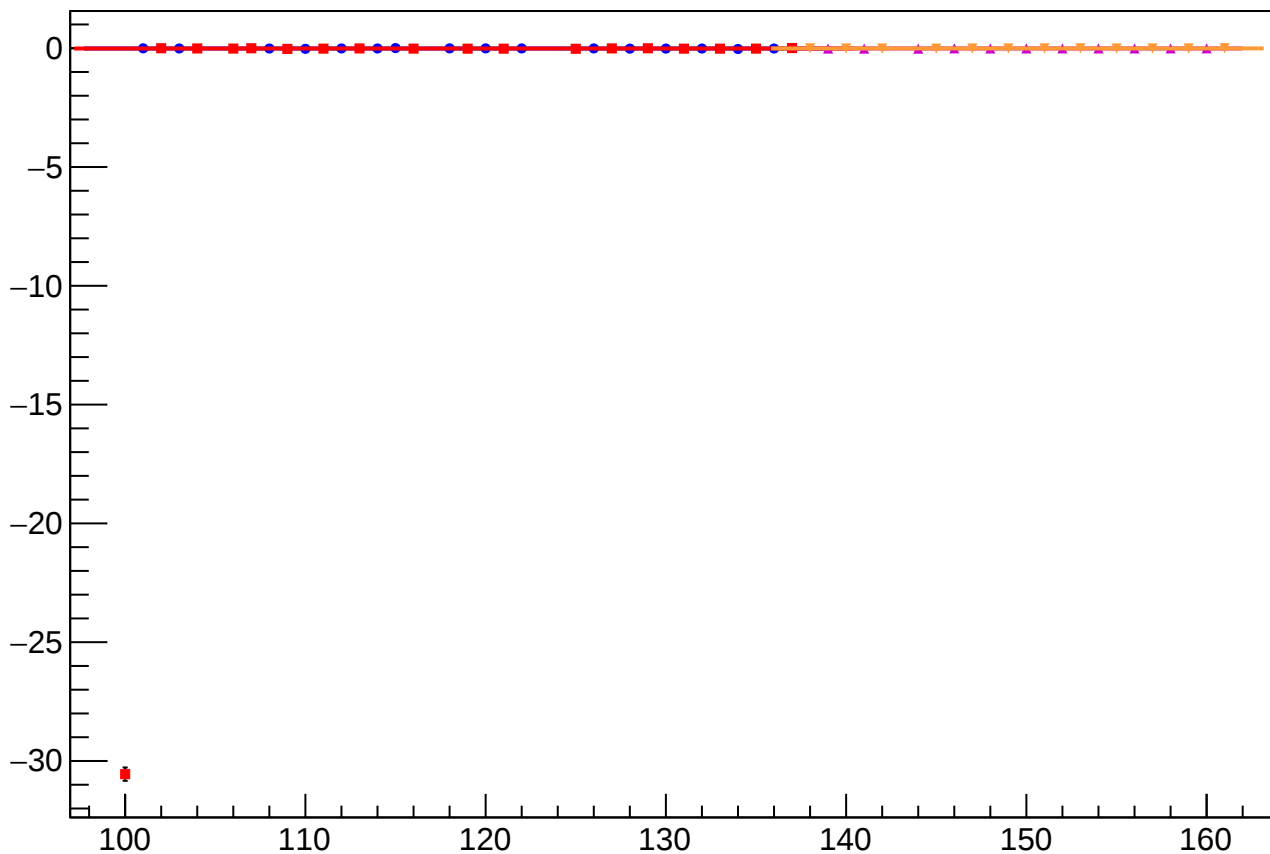
Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

Left In: 0.063 ± 0.027 χ^2/NDF : 13.7/10

0.057 ± 0.021 χ^2/NDF : 31.1/27

0.060 ± 0.021 χ^2/NDF : 34.1/28

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:10.3/11

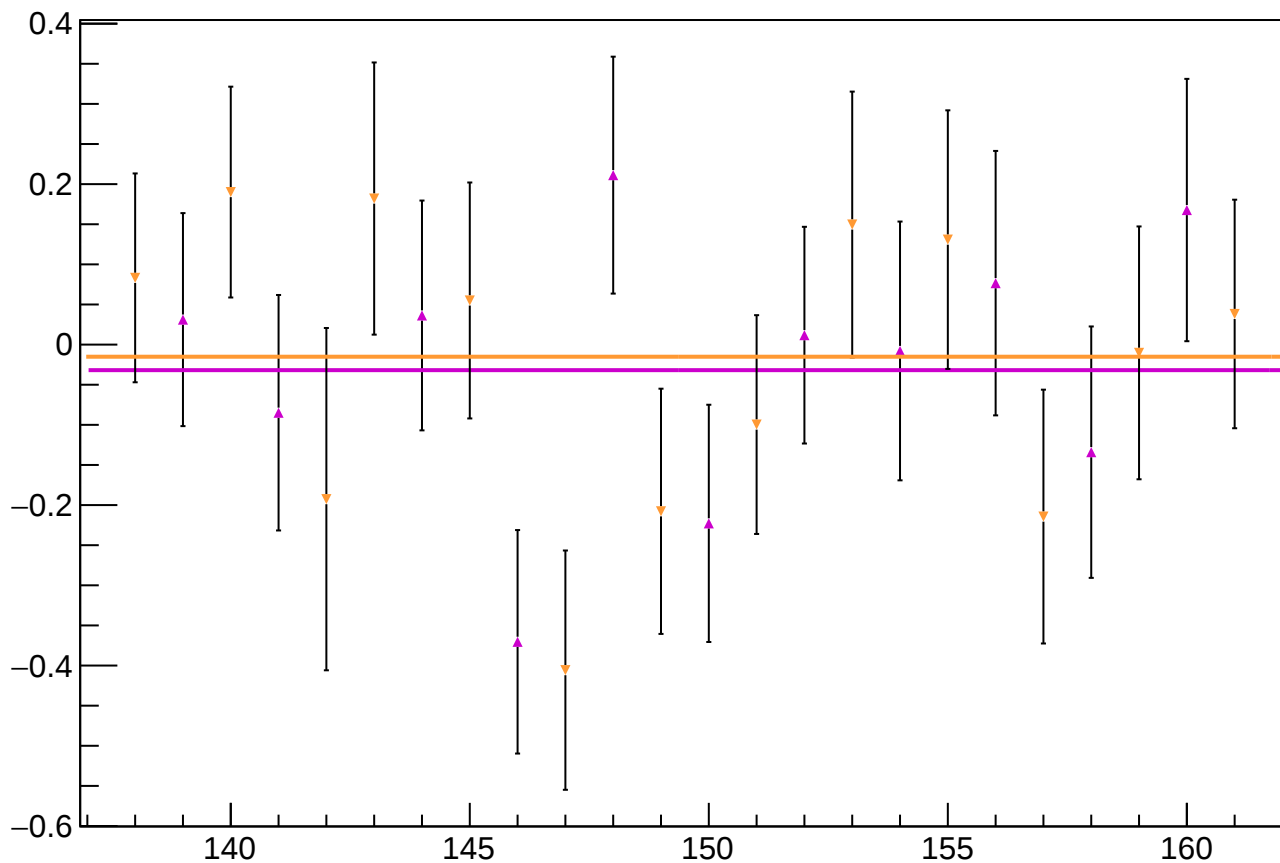
Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

Left In: -0.011 $\pm$ 0.001 χ^2 /NDF:10.4/10

-0.010 $\pm$ 0.001 χ^2 /NDF: 25.6/27

-0.011 $\pm$ 0.001 χ^2 /NDF: 11902.2/28

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.015+/-0.042 χ^2/NDF : 17.7/12

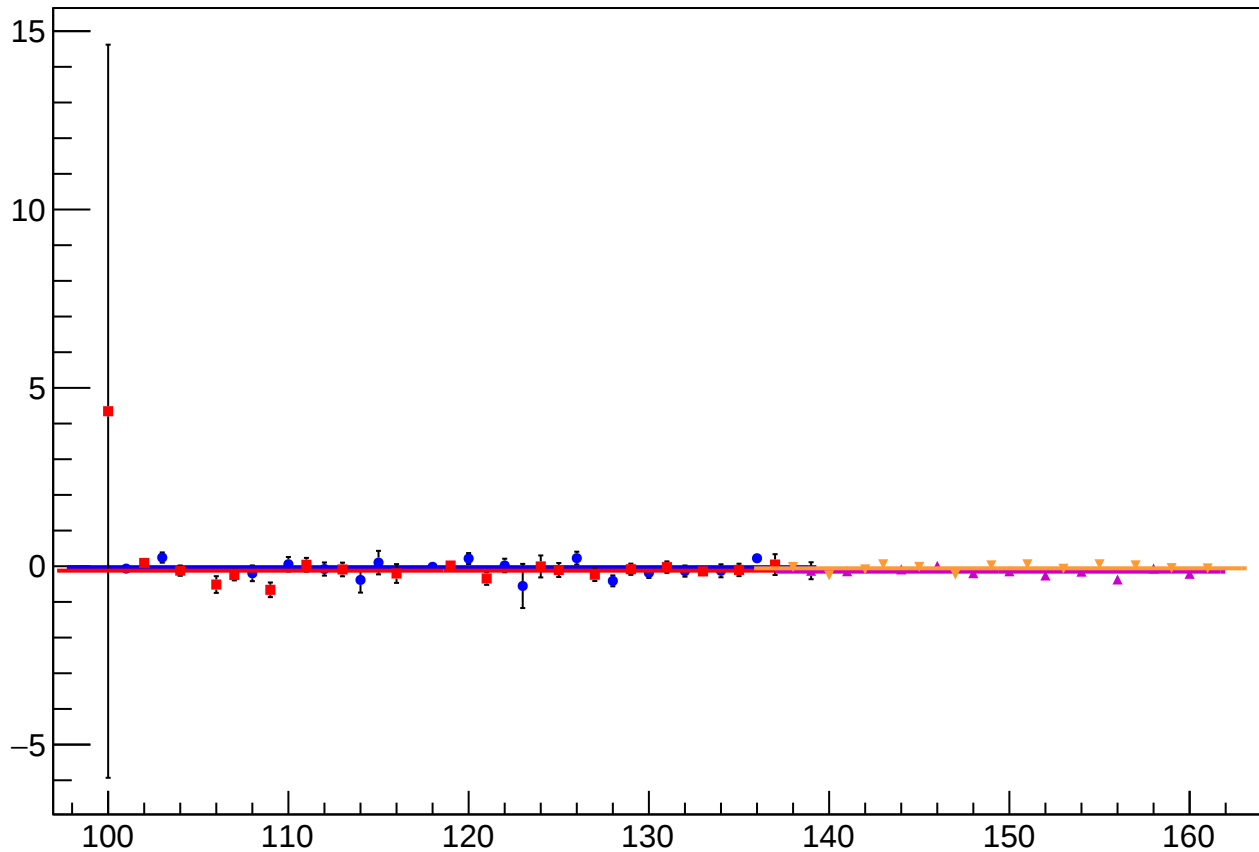
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.032+/-0.045 χ^2/NDF : 13.3/10

-0.015+/-0.042 χ^2/NDF : 17.7/12

-0.032+/-0.045 χ^2/NDF : 13.3/10

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026+/-0.037 χ^2/NDF : 22.7/16

Left Out: -0.058+/-0.029 χ^2/NDF : 14.7/12

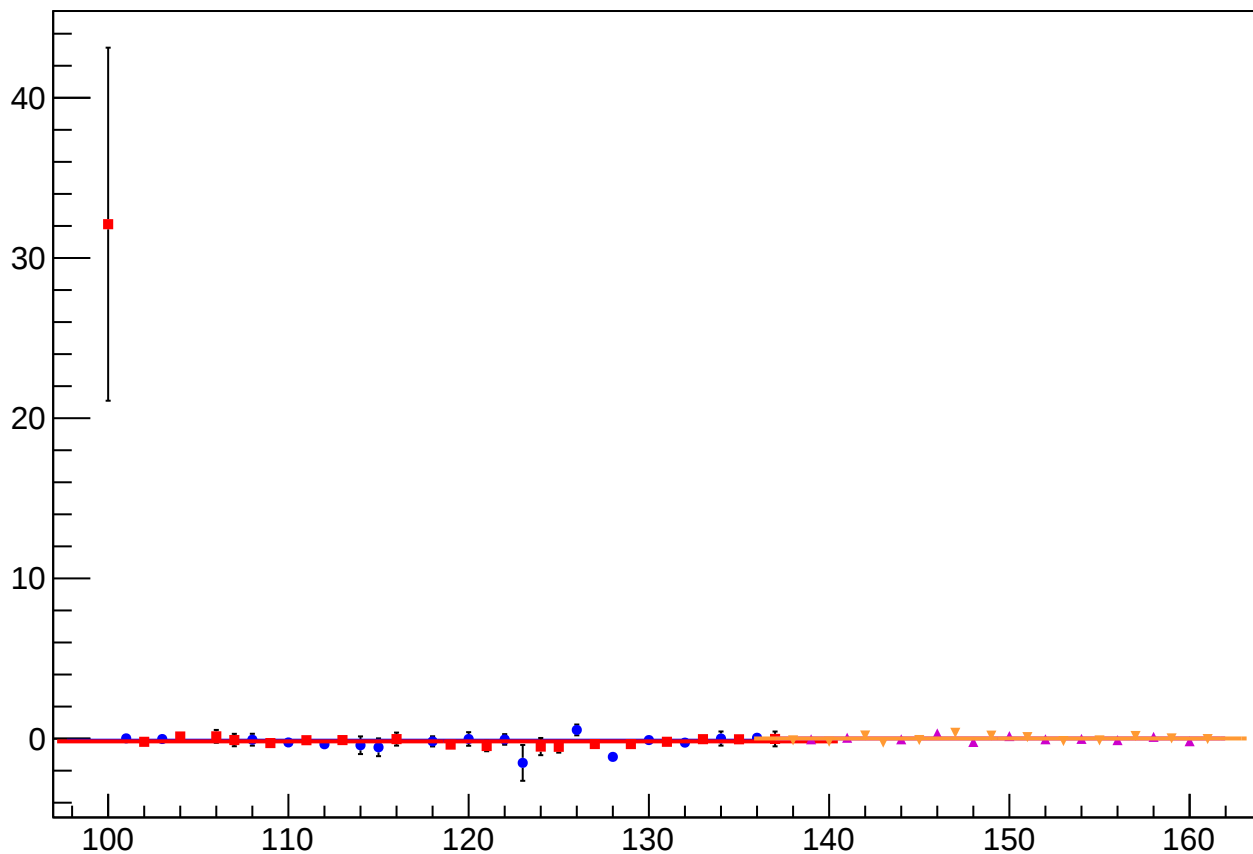
Right Out: -0.124+/-0.039 χ^2/NDF : 18.3/18

Left In: -0.152+/-0.031 χ^2/NDF : 10.5/10

-0.046+/-0.023 χ^2/NDF : 37.9/29

-0.141+/-0.024 χ^2/NDF : 29.1/29

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.009 ± 0.041 χ^2/NDF : 17.3/12

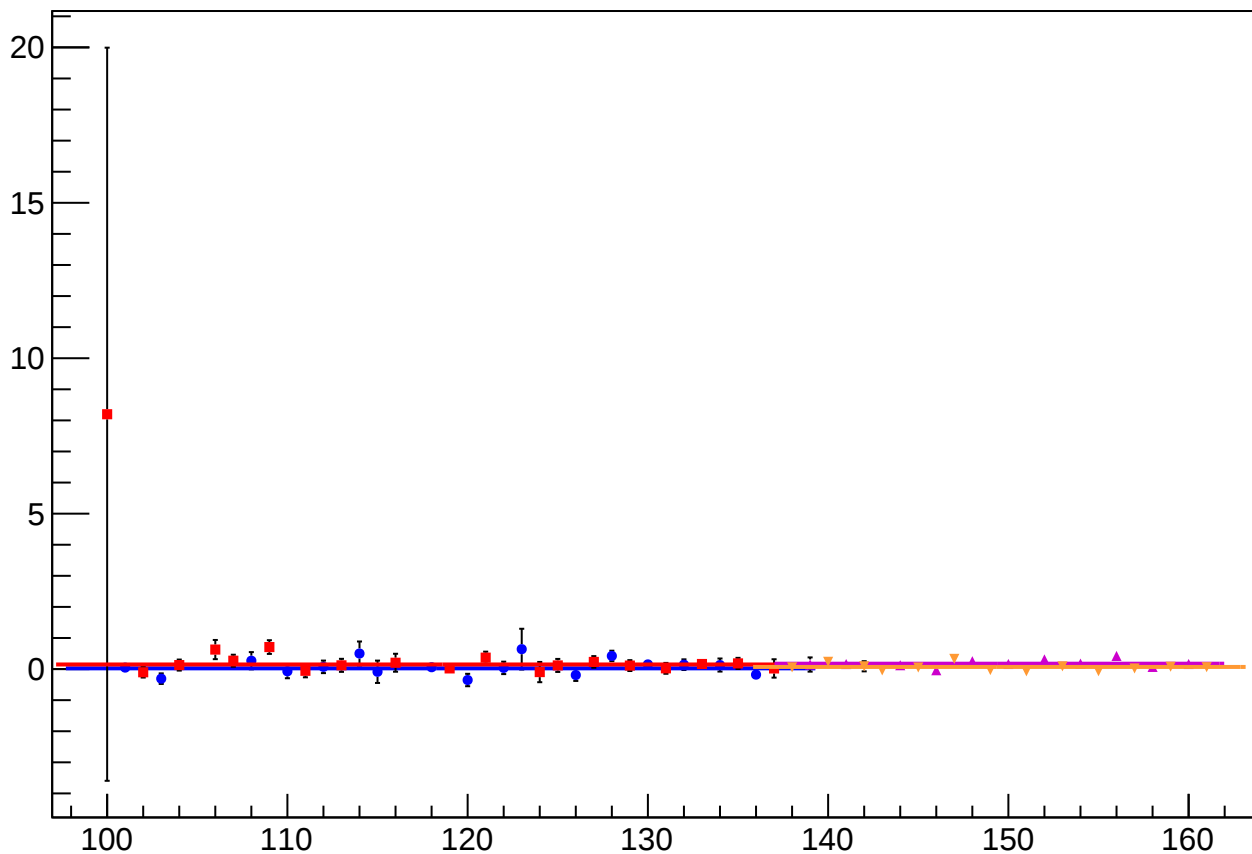
Right Out: -0.172 ± 0.071 χ^2/NDF : 14.9/18

Left In: 0.010 ± 0.043 χ^2/NDF : 11.9/10

-0.029 ± 0.035 χ^2/NDF : 43.5/29

-0.040 ± 0.037 χ^2/NDF : 31.6/29

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.069 ± 0.034 χ^2/NDF : 13.3/12

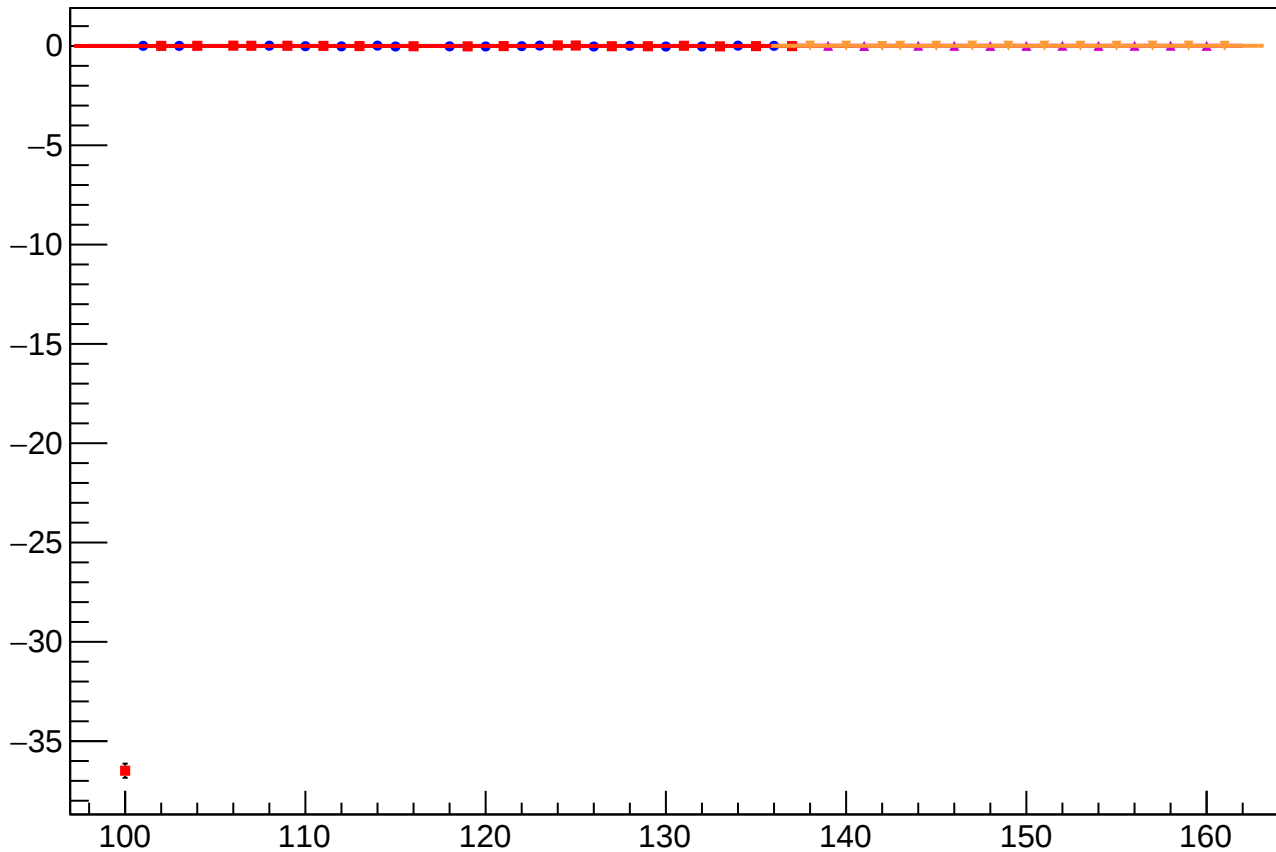
Right Out: 0.148 ± 0.045 χ^2/NDF : 16.6/18

Left In: 0.173 ± 0.036 χ^2/NDF : 10.7/10

0.051 ± 0.027 χ^2/NDF : 35.3/29

0.163 ± 0.028 χ^2/NDF : 27.5/29

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.010 $\pm$ 0.002 χ^2 /NDF: 6.5/12

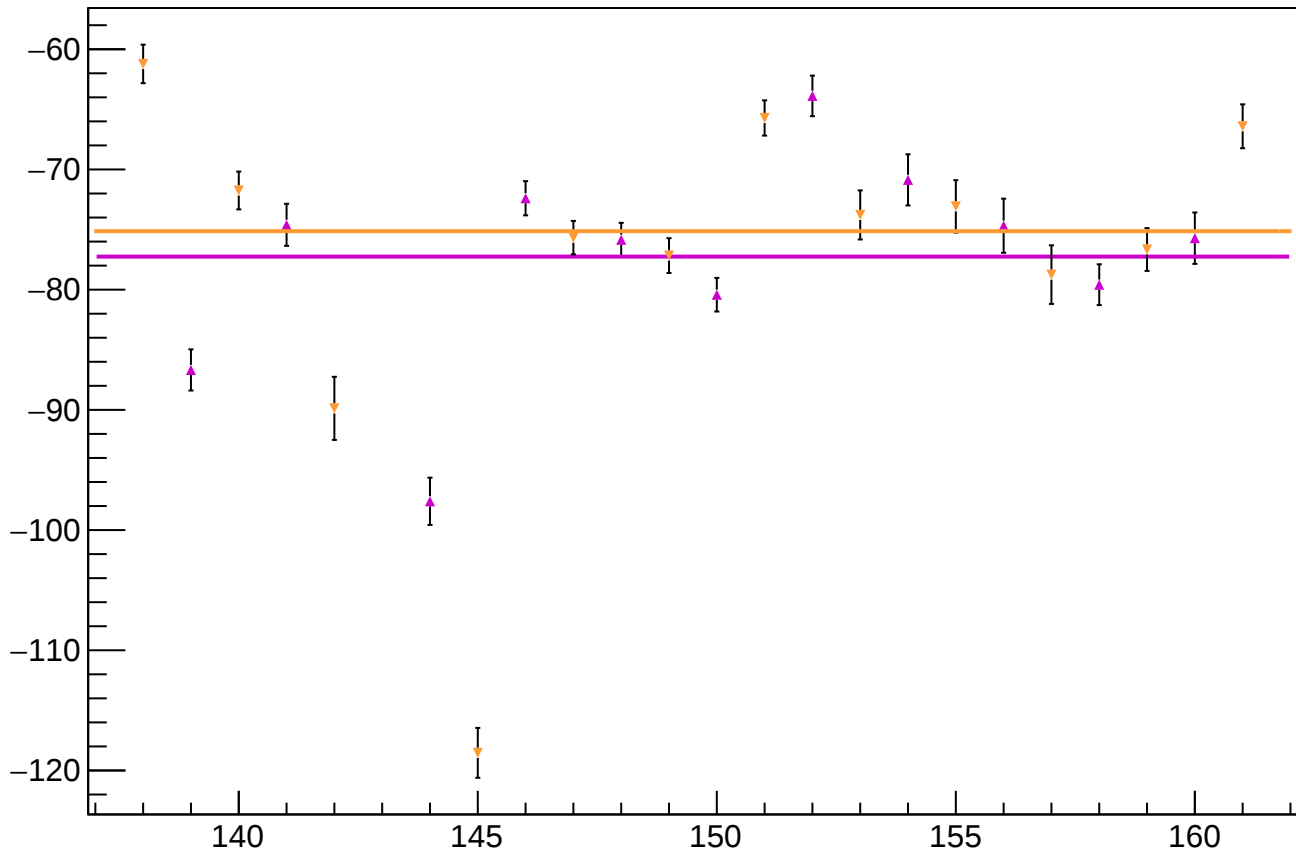
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.011 $\pm$ 0.002 χ^2 /NDF: 4.7/10

0.007 $\pm$ 0.001 χ^2 /NDF: 47.5/29

0.007 $\pm$ 0.001 χ^2 /NDF: 10466.3/29

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -75.134+/-0.509 χ^2/NDF : 619.3/11

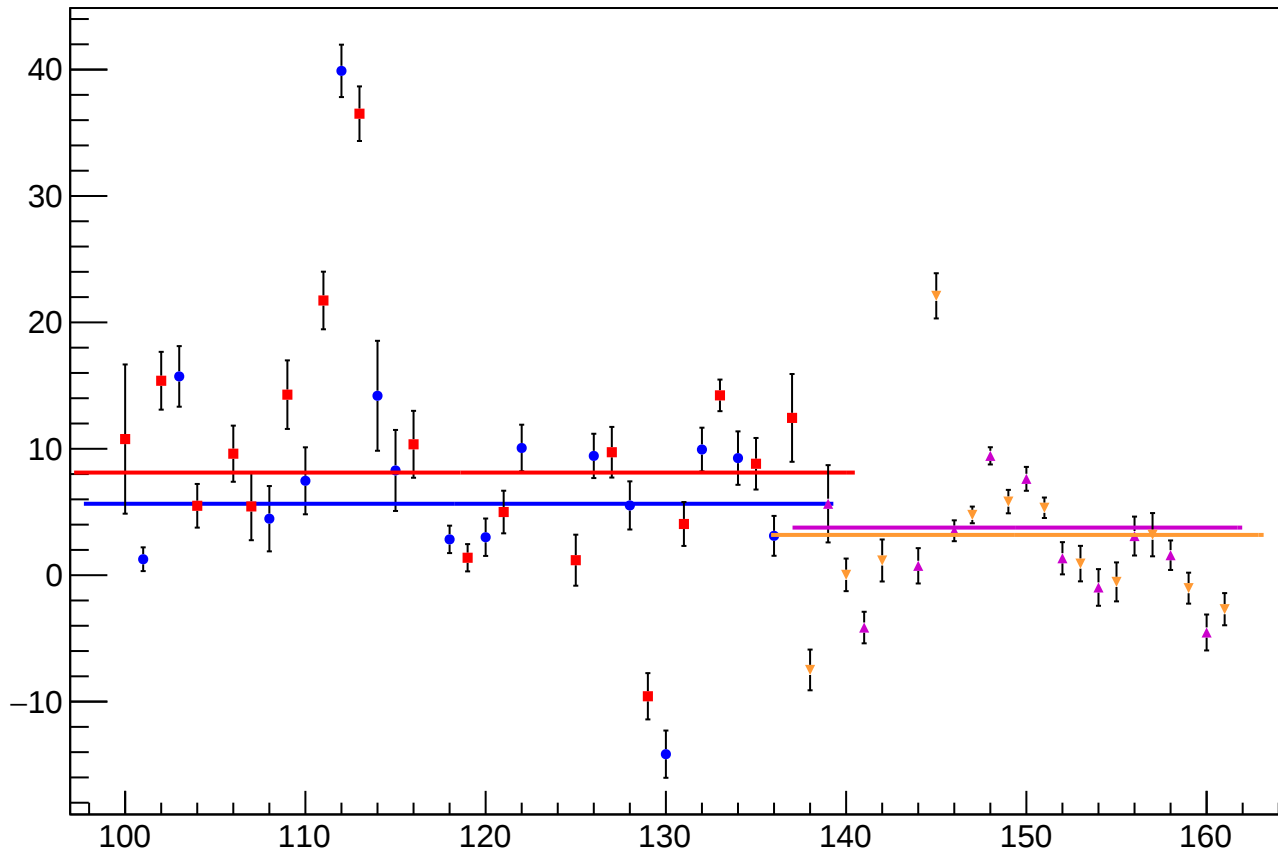
-75.134+/-0.509 χ^2/NDF : 619.3/11

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

-77.249+/-0.515 χ^2/NDF : 233.0/10

Left In: -77.249+/-0.515 χ^2/NDF : 233.0/10

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 3.187 ± 0.330 χ^2/NDF : 225.8/11

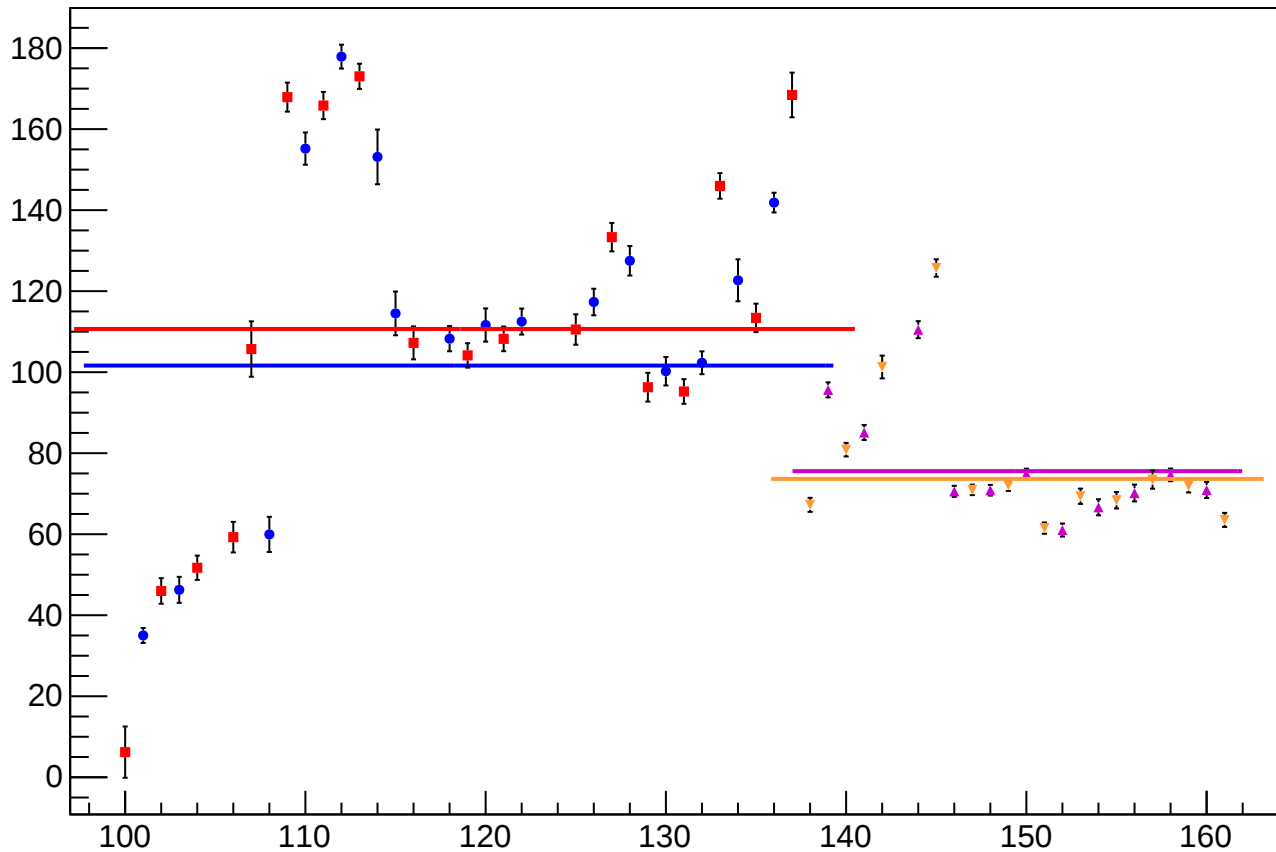
Right Out: 8.119 ± 0.453 χ^2/NDF : 407.9/17

Left In: 3.766 ± 0.338 χ^2/NDF : 183.3/10

4.101 ± 0.261 χ^2/NDF : 708.4/27

5.326 ± 0.271 χ^2/NDF : 650.5/28

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 73.652 $\pm$ 0.494 χ^2 /NDF: 840.7/11

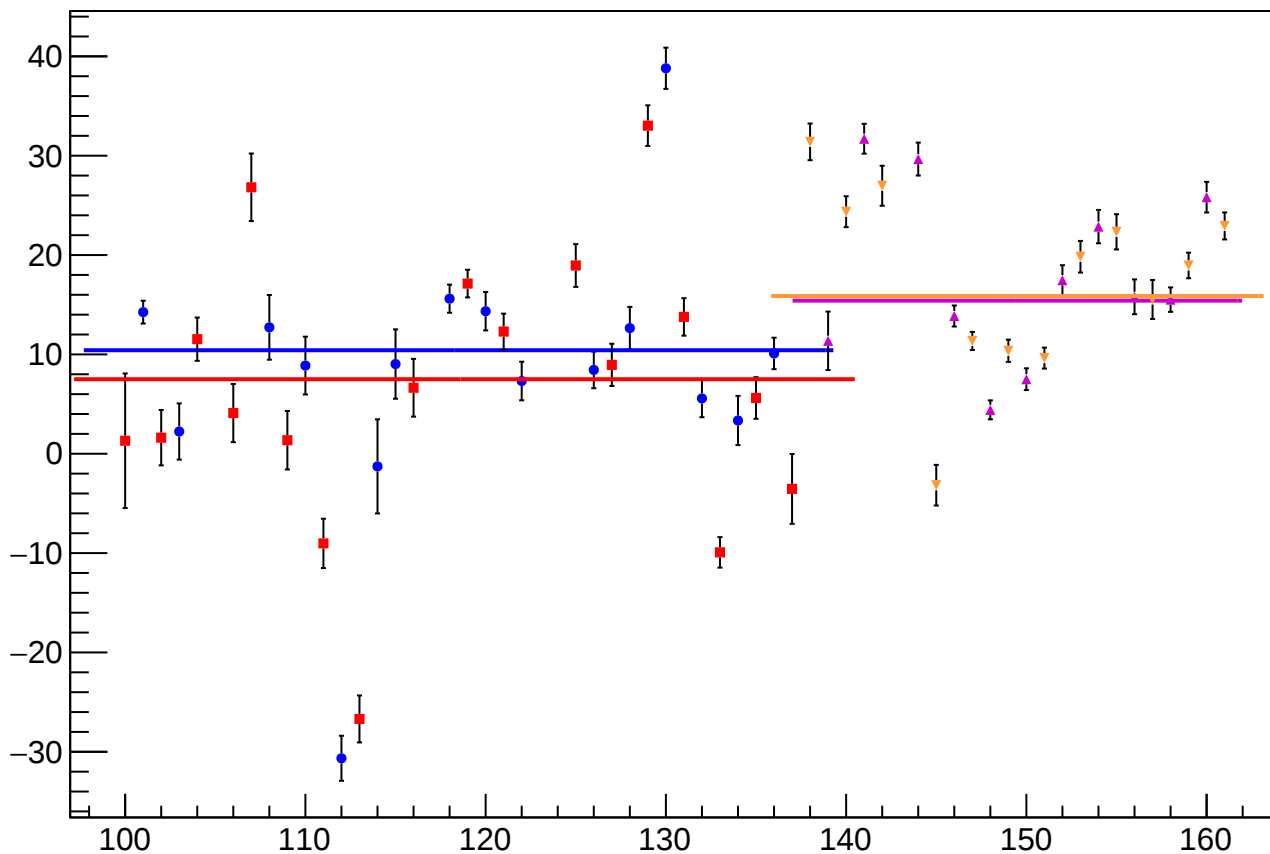
Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

Left In: 75.577 $\pm$ 0.498 χ^2 /NDF: 558.9/10

81.209 $\pm$ 0.422 χ^2 /NDF: 4687.3/27

84.766 $\pm$ 0.428 χ^2 /NDF: 4373.3/28

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420+/-0.497 χ^2/NDF : 579.7/15

Left Out: 15.874+/-0.401 χ^2/NDF : 353.7/11

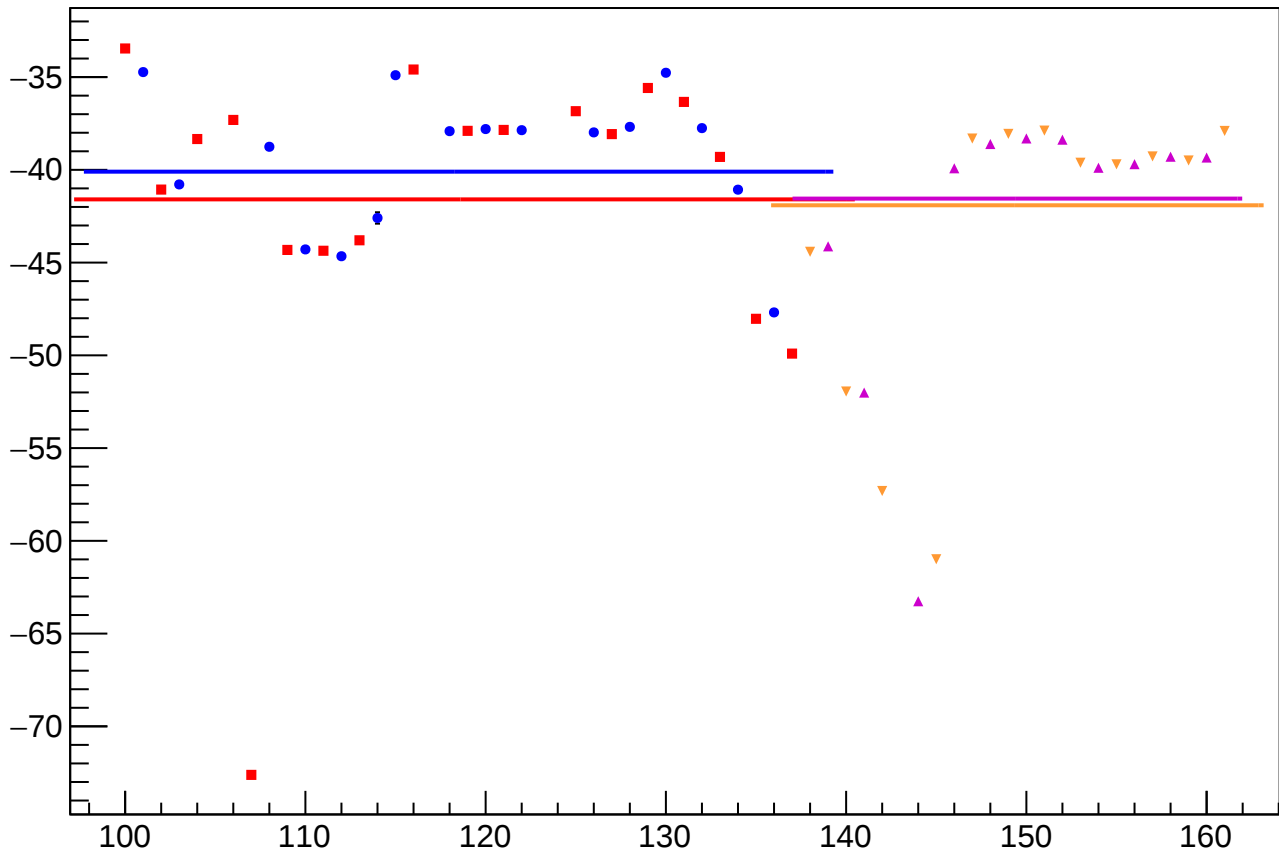
Right Out: 7.502+/-0.523 χ^2/NDF : 689.4/17

Left In: 15.412+/-0.410 χ^2/NDF : 447.7/10

13.725+/-0.312 χ^2/NDF : 1006.3/27

12.404+/-0.323 χ^2/NDF : 1278.8/28

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -41.911 ± 0.020 χ^2/NDF : 109706.6/11

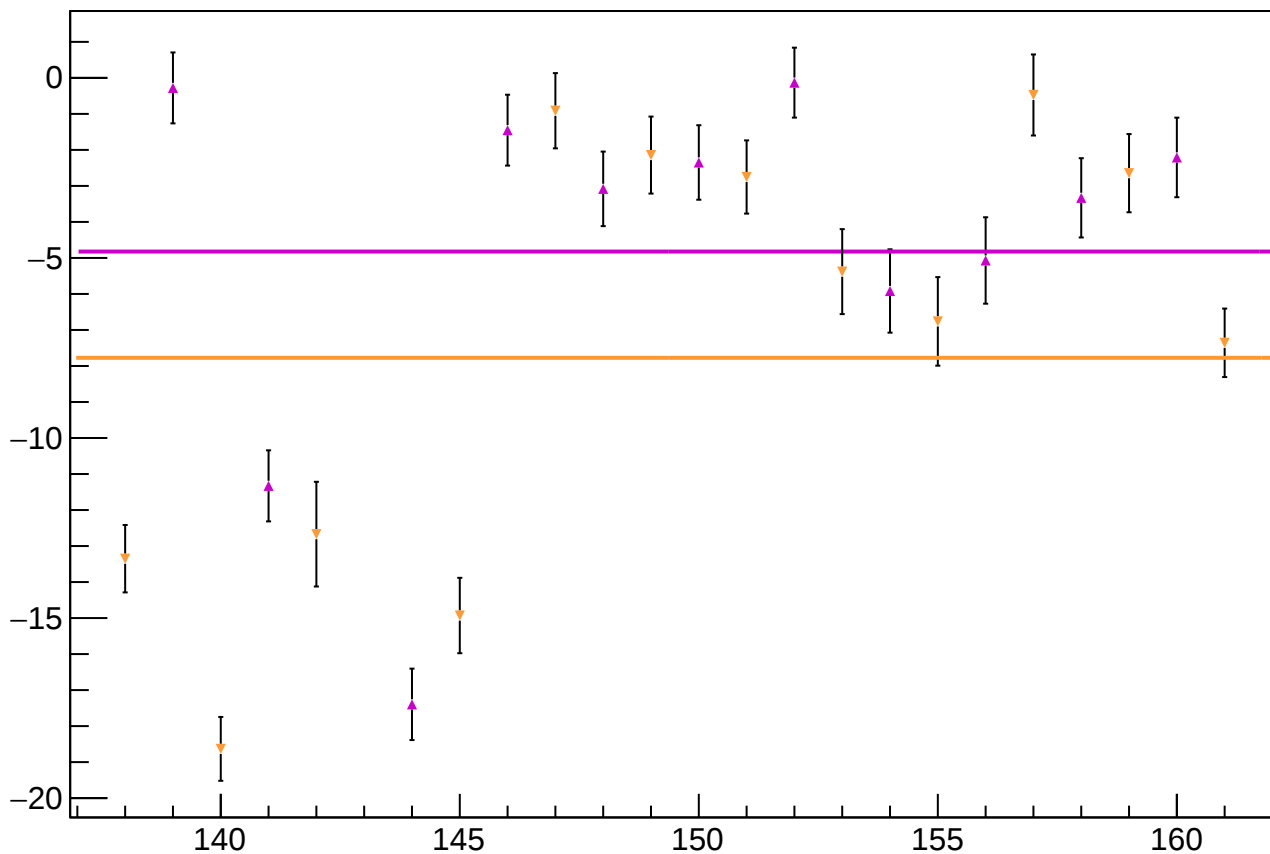
Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

Left In: -41.550 ± 0.020 χ^2/NDF : 89288.7/10

-41.317 ± 0.016 χ^2/NDF : 137535.5/27

-41.564 ± 0.016 χ^2/NDF : 150967.9/28

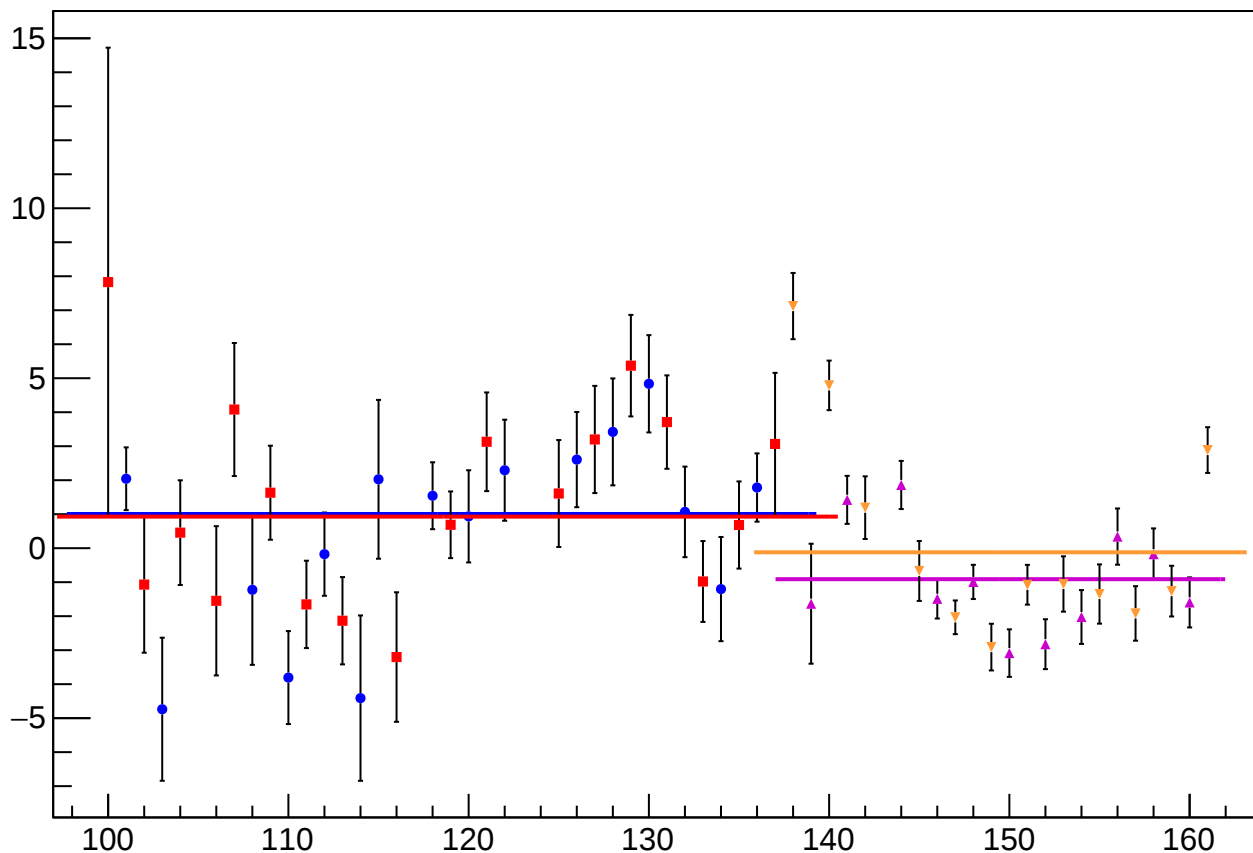
reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.773+/-0.306 χ^2/NDF : 408.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.823+/-0.314 χ^2/NDF : 277.5/10

-7.773+/-0.306 χ^2/NDF : 408.2/11
 -4.823+/-0.314 χ^2/NDF : 277.5/10

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006+/-0.342 χ^2/NDF : 42.7/15

Left Out: -0.121+/-0.209 χ^2/NDF : 167.8/11

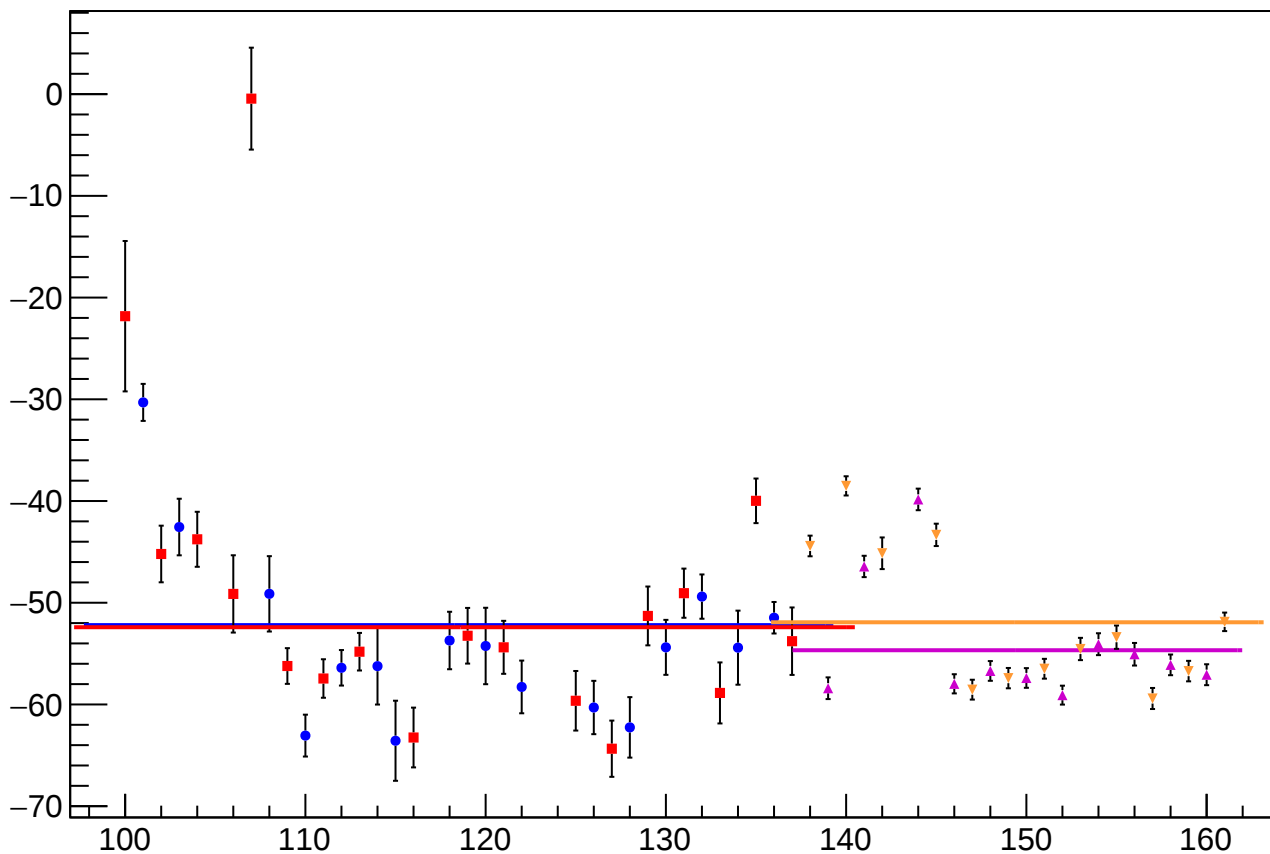
Right Out: 0.929+/-0.353 χ^2/NDF : 41.9/17

Left In: -0.912+/-0.214 χ^2/NDF : 49.9/10

0.186+/-0.178 χ^2/NDF : 218.4/27

-0.417+/-0.183 χ^2/NDF : 111.6/28

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -51.921 ± 0.299 χ^2/NDF : 517.1/11

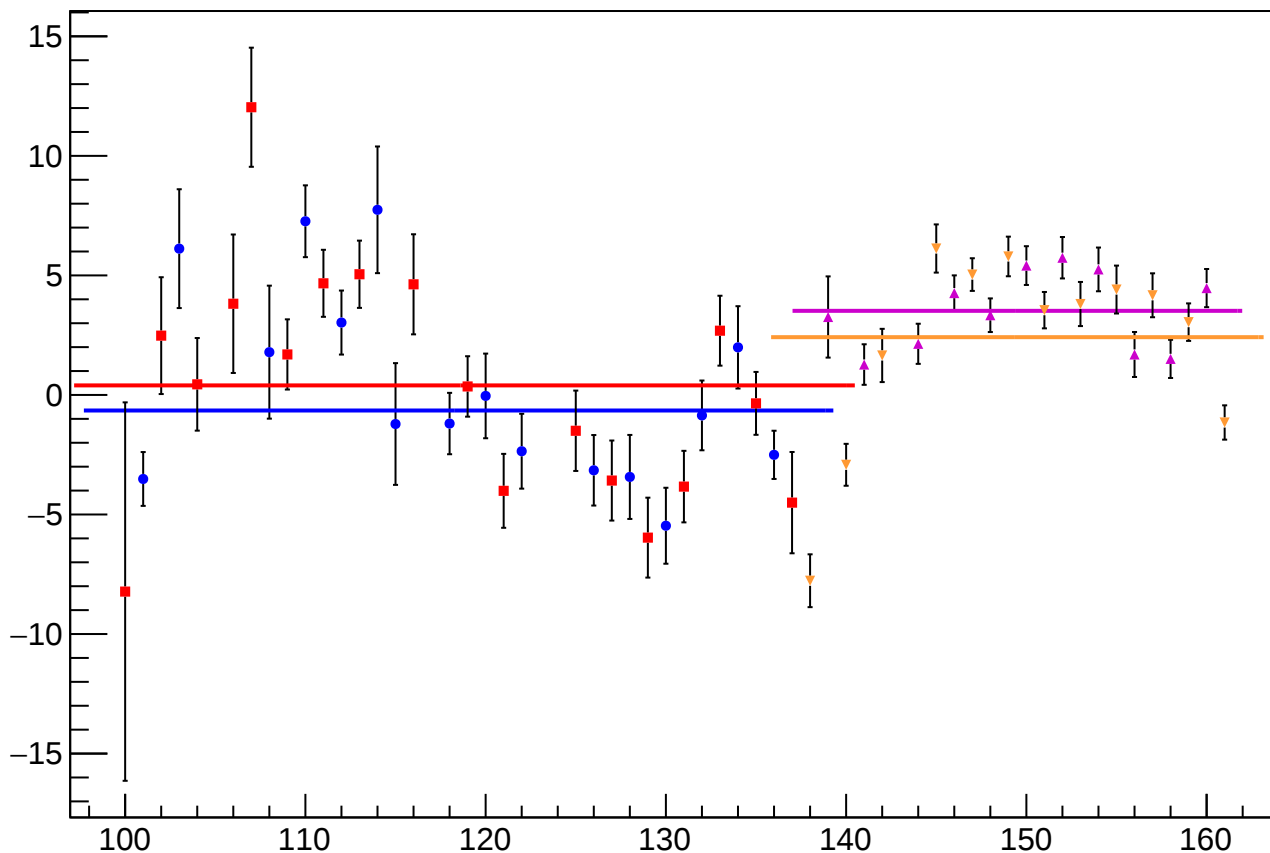
Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

Left In: -54.669 ± 0.306 χ^2/NDF : 324.3/10

-51.975 ± 0.269 χ^2/NDF : 747.9/27

-54.221 ± 0.274 χ^2/NDF : 569.0/28

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 2.417 ± 0.249 χ^2/NDF : 204.8/11

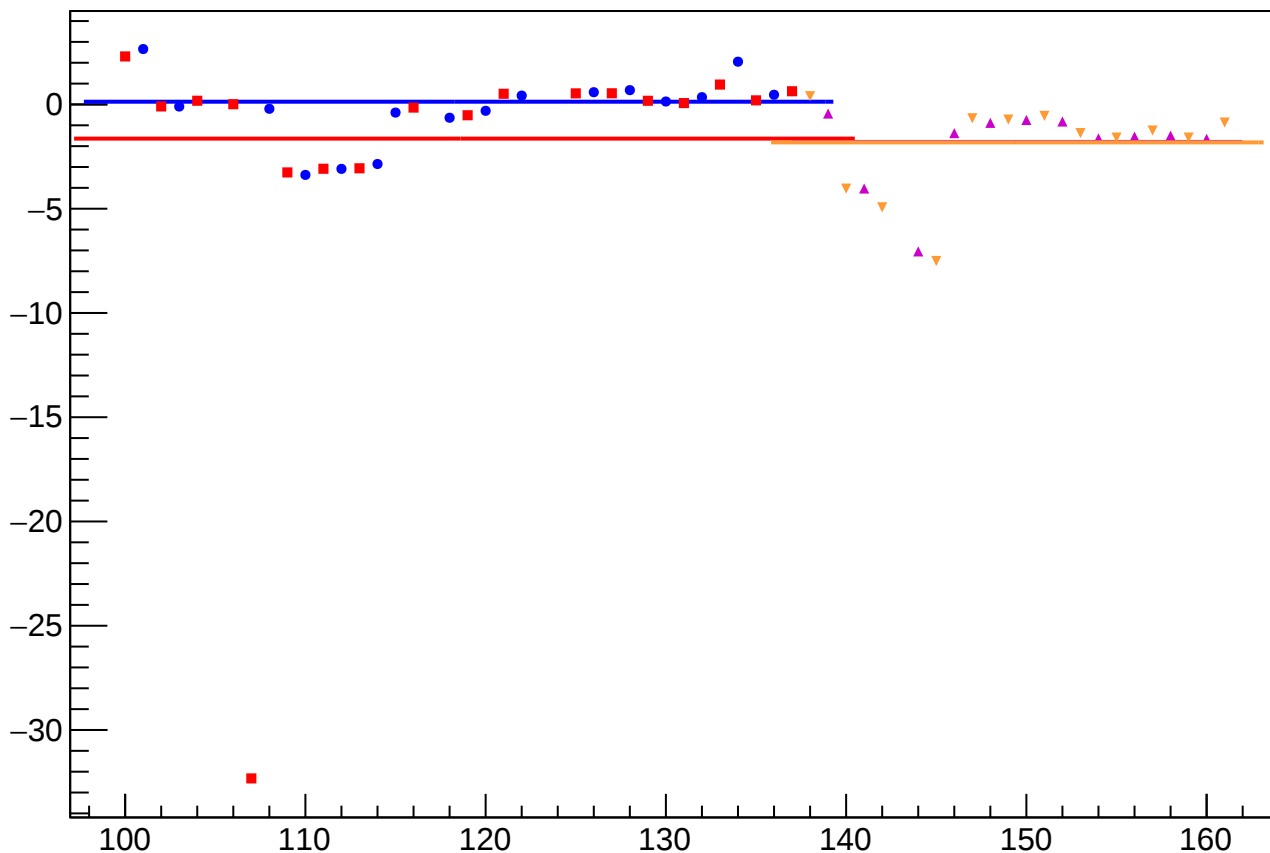
Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

Left In: 3.518 ± 0.256 χ^2/NDF : 37.9/10

1.519 ± 0.209 χ^2/NDF : 331.2/27

2.613 ± 0.215 χ^2/NDF : 177.1/28

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 χ^2/NDF : 5247.5/15

Left Out: -1.819 ± 0.012 χ^2/NDF : 29307.5/11

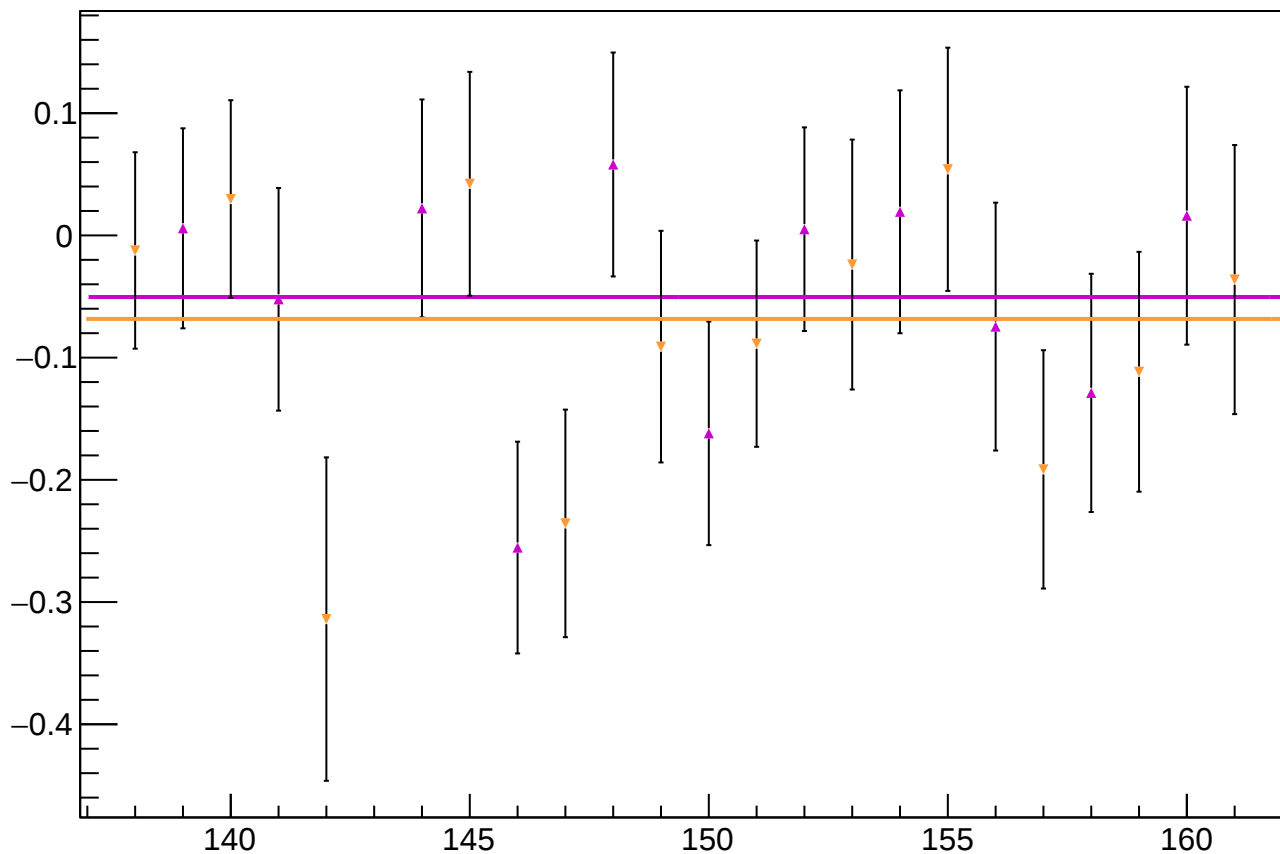
Right Out: -1.638 ± 0.022 χ^2/NDF : 77848.3/17

Left In: -1.798 ± 0.012 χ^2/NDF : 19007.3/10

-1.377 ± 0.010 χ^2/NDF : 40888.9/27

-1.762 ± 0.010 χ^2/NDF : 96897.2/28

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.068+/-0.027 χ^2/NDF :13.8/11

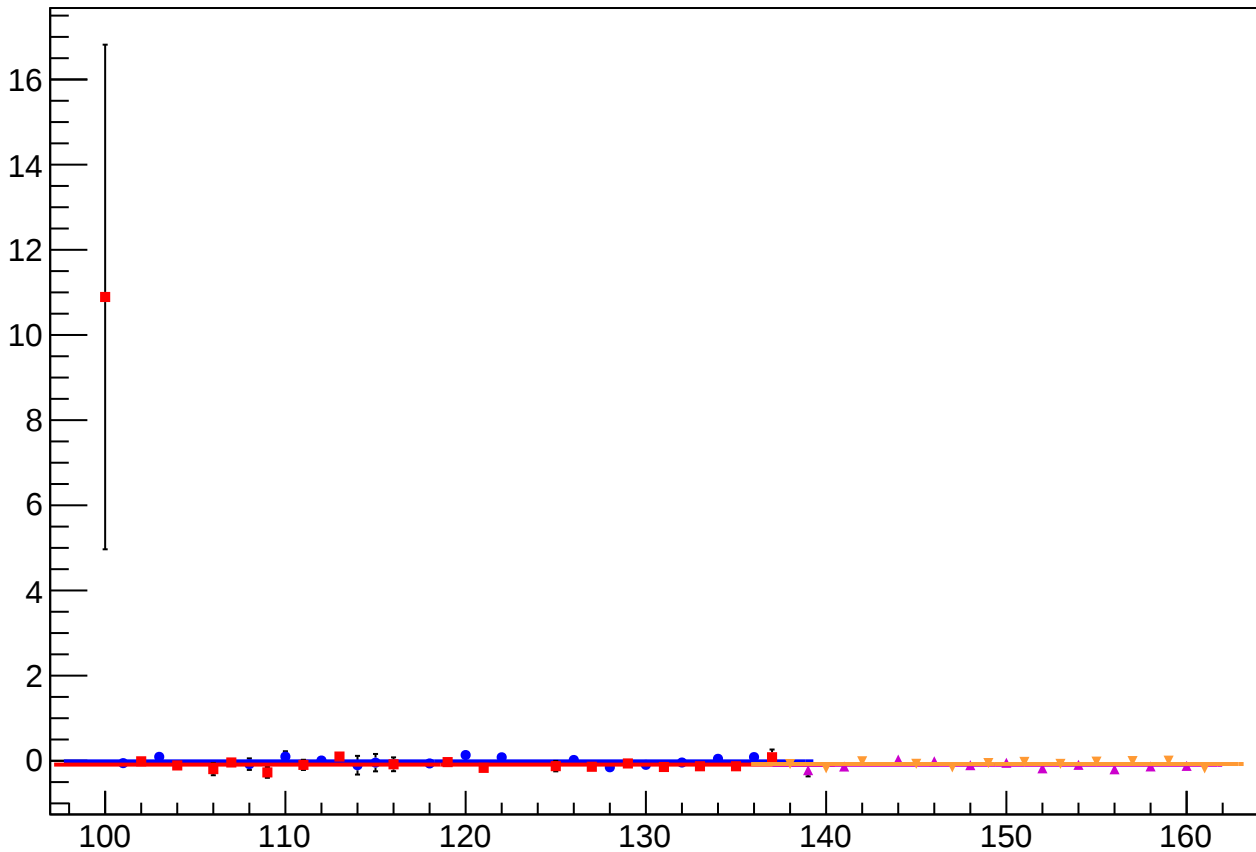
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.050+/-0.028 χ^2/NDF :11.7/10

-0.068+/-0.027 χ^2/NDF : 13.8/11

-0.050+/-0.028 χ^2/NDF : 11.7/10

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.075 ± 0.019 χ^2/NDF : 12.1/11

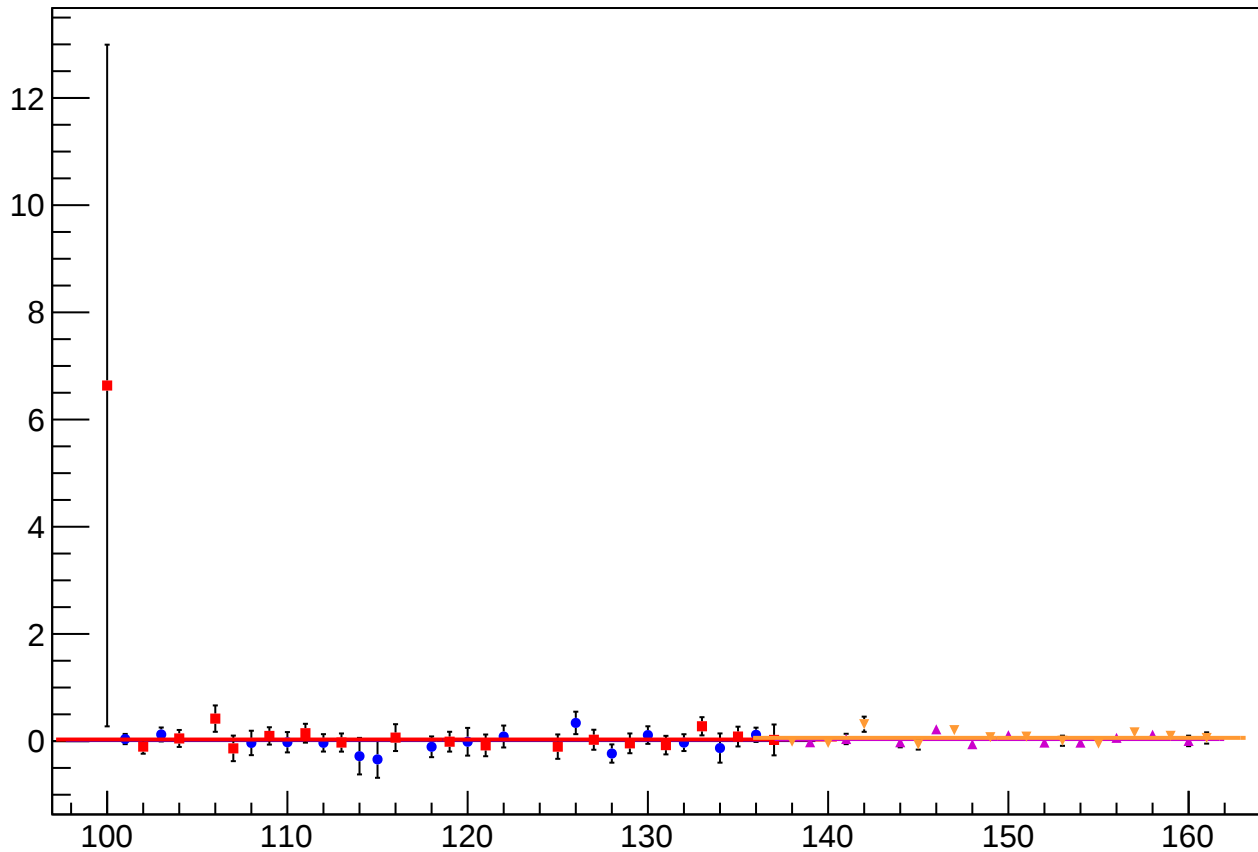
Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

Left In: -0.094 ± 0.019 χ^2/NDF : 12.4/10

-0.051 ± 0.015 χ^2/NDF : 28.1/27

-0.092 ± 0.015 χ^2/NDF : 25.4/28

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 ± 0.043 $\chi^2/\text{NDF}: 9.1/15$

Left Out: 0.061 ± 0.027 $\chi^2/\text{NDF}: 12.7/11$

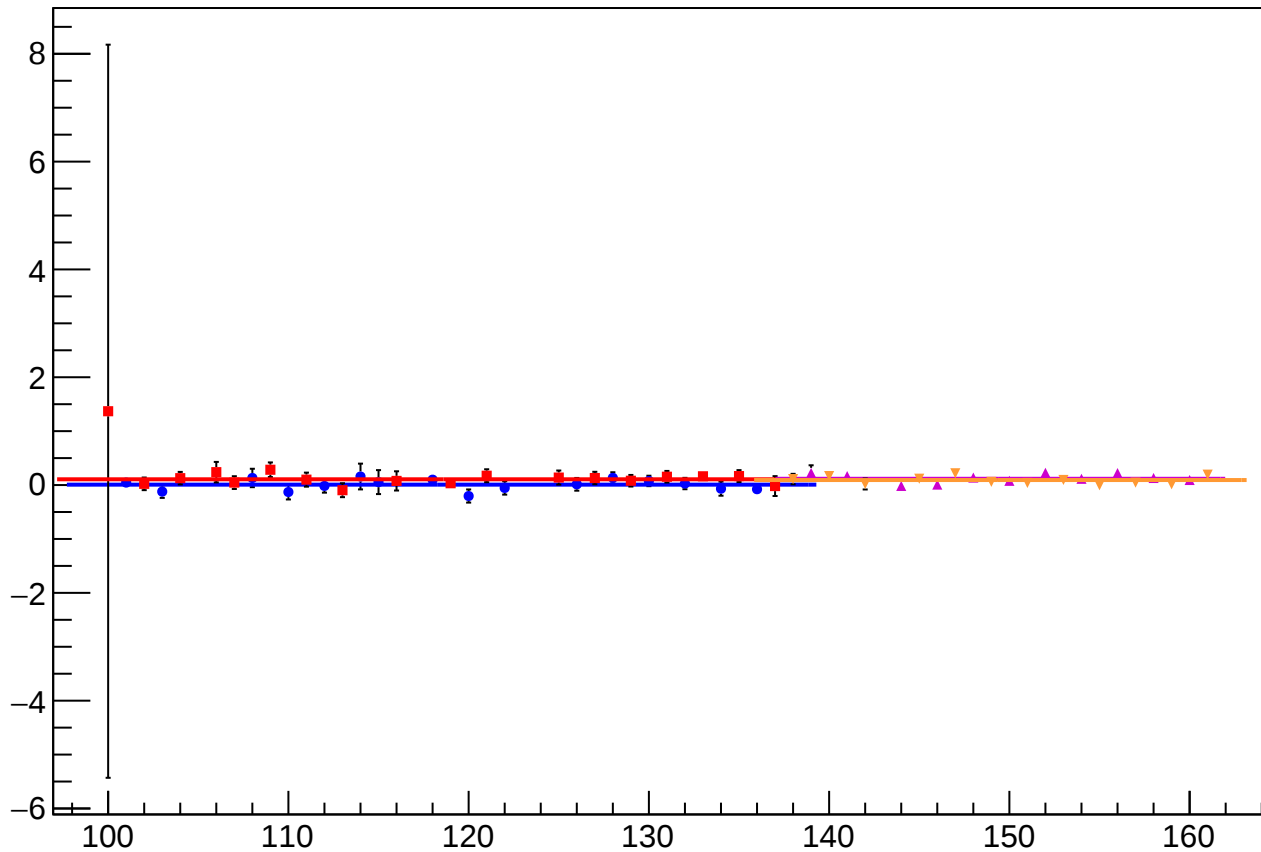
Right Out: 0.030 ± 0.045 $\chi^2/\text{NDF}: 9.2/17$

Left In: 0.039 ± 0.027 $\chi^2/\text{NDF}: 9.8/10$

0.050 ± 0.023 $\chi^2/\text{NDF}: 22.4/27$

0.037 ± 0.023 $\chi^2/\text{NDF}: 19.0/28$

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.093 ± 0.022 χ^2/NDF : 11.2/11

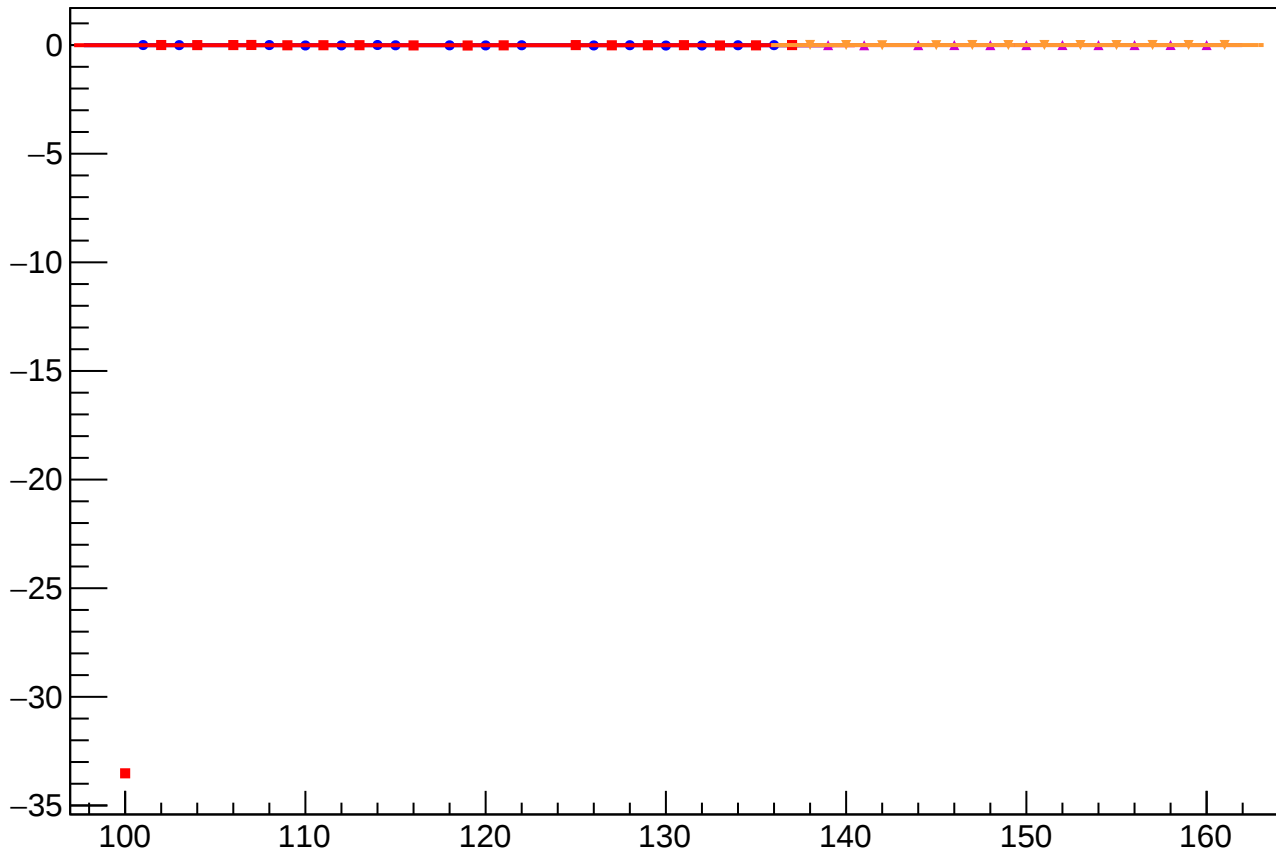
Right Out: 0.107 ± 0.029 χ^2/NDF : 8.2/17

Left In: 0.116 ± 0.023 χ^2/NDF : 11.3/10

0.058 ± 0.017 χ^2/NDF : 28.3/27

0.113 ± 0.018 χ^2/NDF : 19.5/28

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 7.3/11

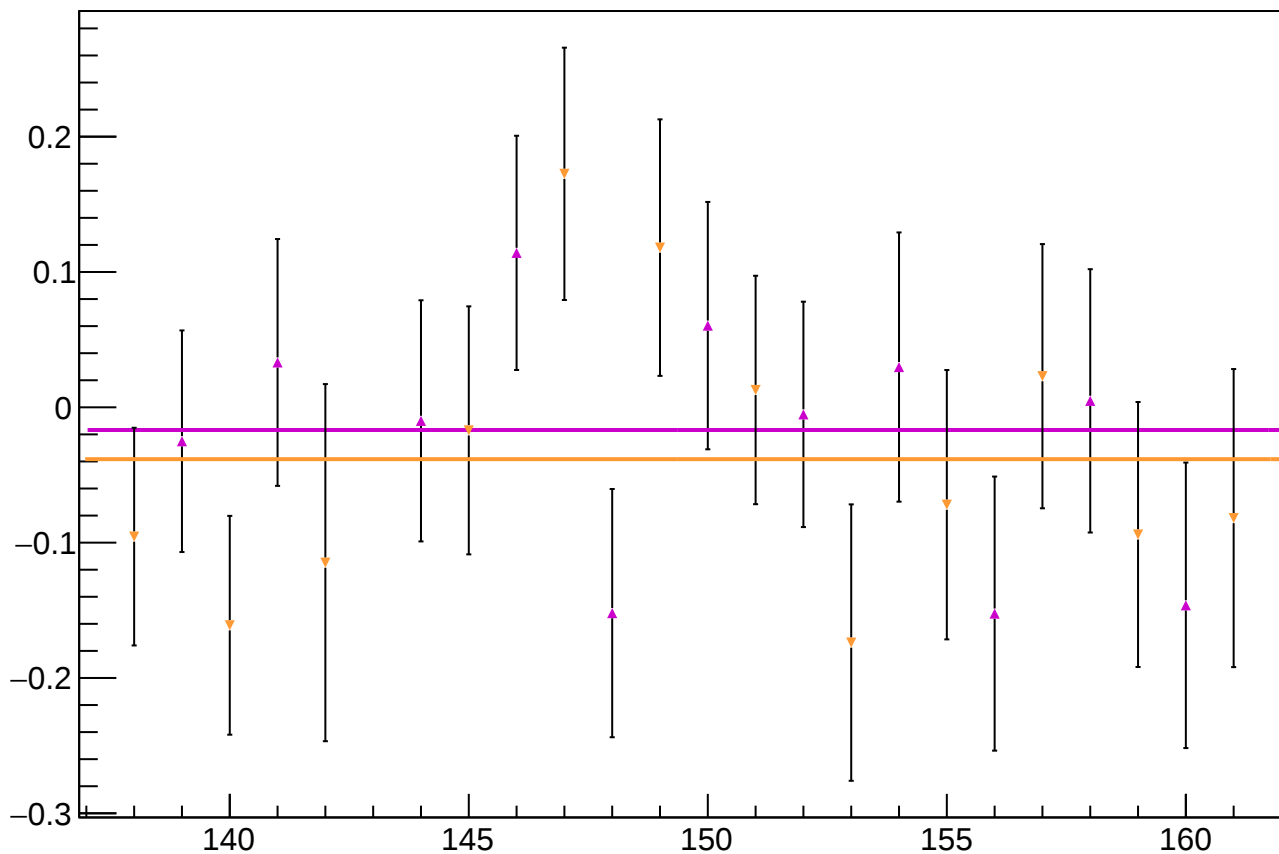
Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.7/17

Left In: 0.000 ± 0.001 χ^2/NDF : 7.5/10

-0.001 ± 0.001 χ^2/NDF : 42.6/27

-0.002 ± 0.001 χ^2/NDF : 26527.5/28

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.038 $\pm$ 0.027 χ^2 /NDF:14.2/11

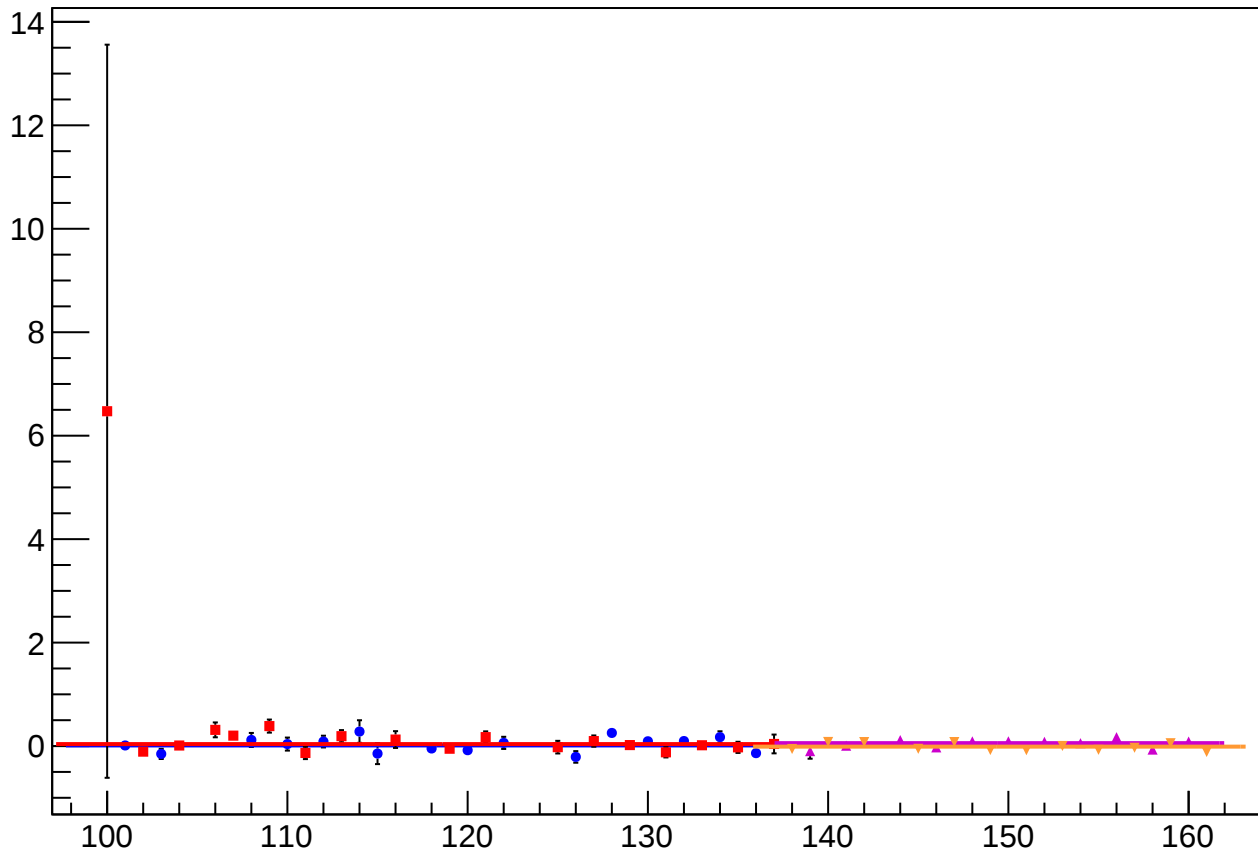
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.017 $\pm$ 0.028 χ^2 /NDF:9.1/10

-0.038 $\pm$ 0.027 χ^2 /NDF: 14.2/11

-0.017 $\pm$ 0.028 χ^2 /NDF: 9.1/10

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.011 ± 0.019 χ^2/NDF : 14.3/11

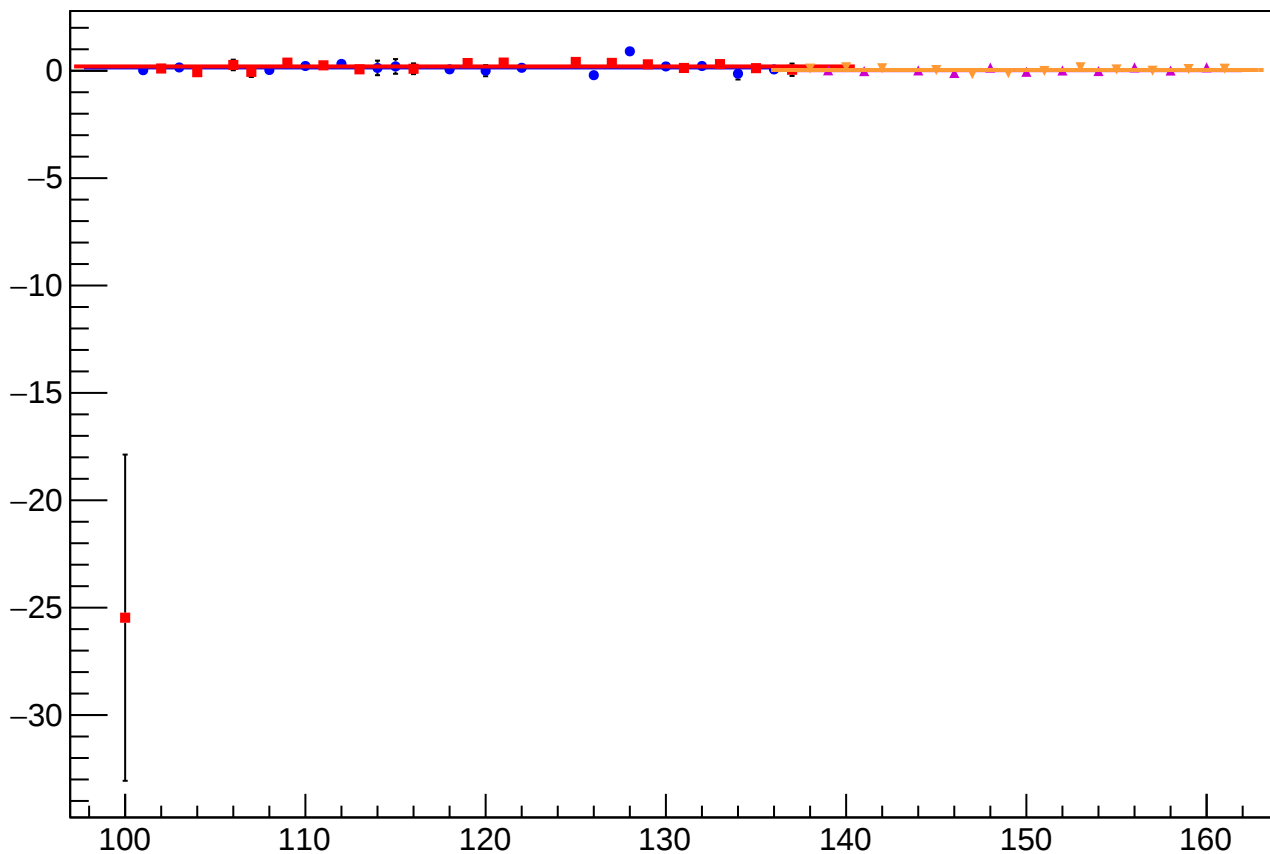
Right Out: 0.038 ± 0.025 χ^2/NDF : 28.4/17

Left In: 0.057 ± 0.019 χ^2/NDF : 12.5/10

-0.002 ± 0.015 χ^2/NDF : 39.9/27

0.050 ± 0.015 χ^2/NDF : 41.3/28

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

Left Out: 0.036 $\pm$ 0.027 χ^2 /NDF:13.7/11

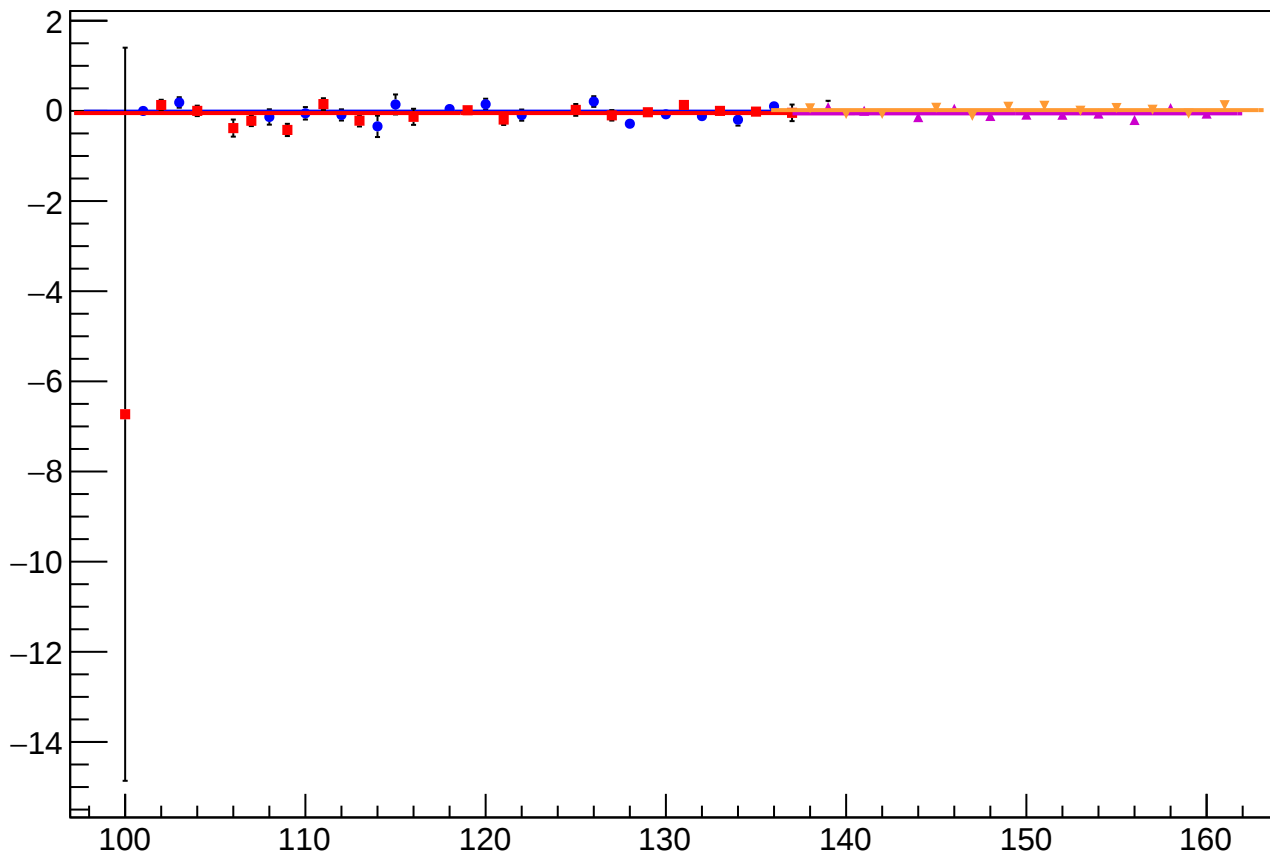
Right Out: 0.201 $\pm$ 0.045 χ^2 /NDF: 22.6/17

Left In: 0.027 $\pm$ 0.027 χ^2 /NDF:9.4/10

0.069 $\pm$ 0.023 χ^2 /NDF: 47.2/27

0.073 $\pm$ 0.023 χ^2 /NDF: 42.9/28

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 $\pm$ 0.027 χ^2/NDF : 24.3/15

Left Out: 0.017 $\pm$ 0.022 χ^2/NDF :13.4/11

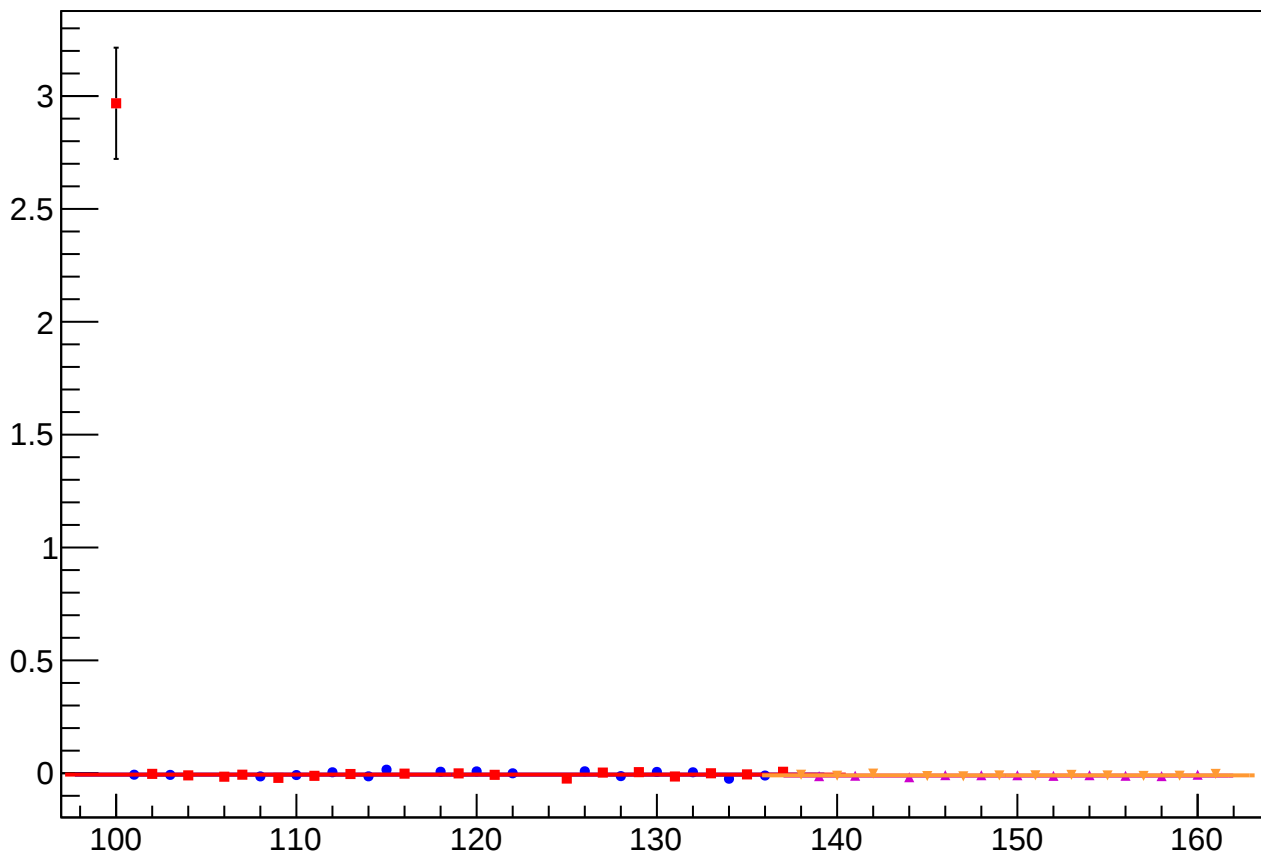
Right Out: -0.048 $\pm$ 0.029 χ^2/NDF : 25.9/17

Left In: -0.055 $\pm$ 0.023 χ^2/NDF :12.5/10

0.004 $\pm$ 0.017 χ^2/NDF : 38.6/27

-0.053 $\pm$ 0.018 χ^2/NDF : 38.5/28

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 +/- 0.001 χ^2/NDF : 27.3/15

Left Out: -0.009 +/- 0.001 χ^2/NDF : 8.5/11

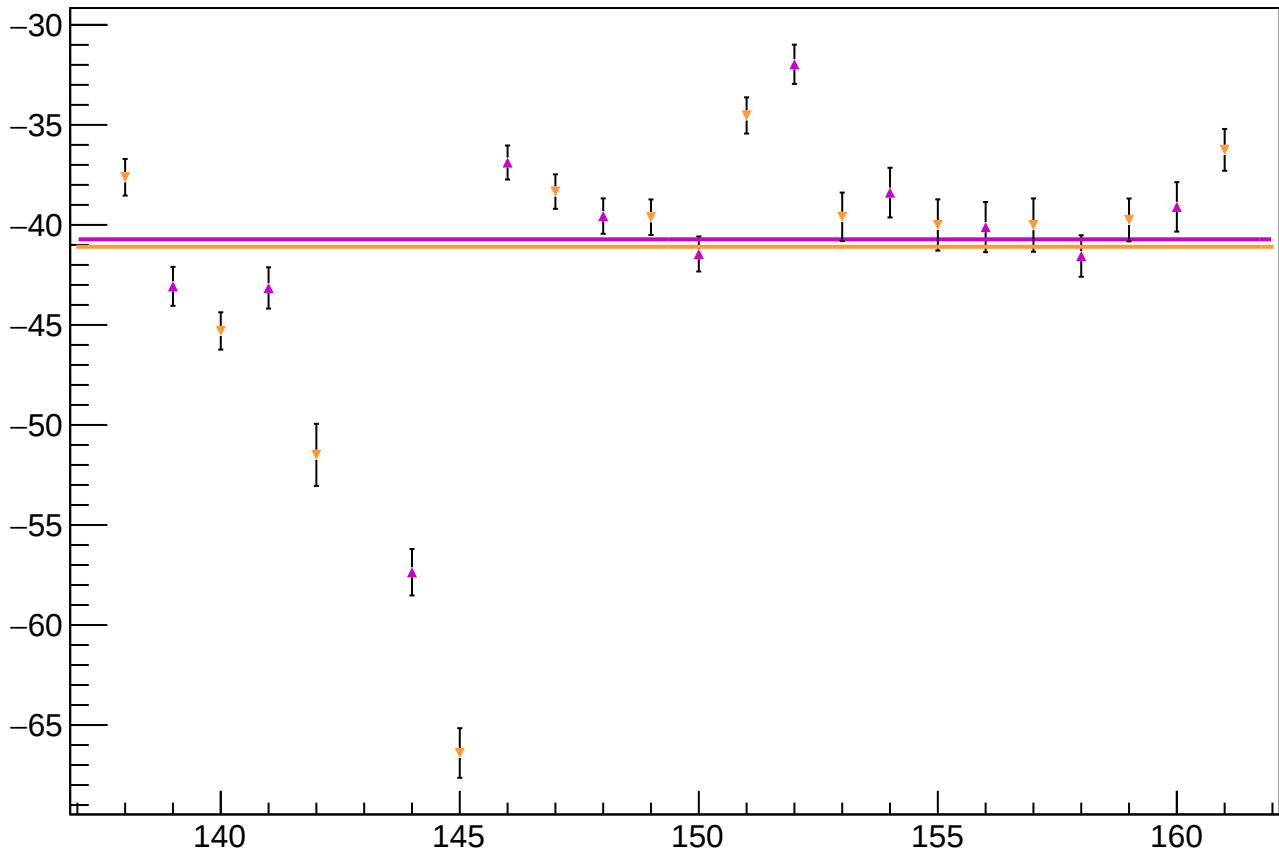
Right Out: -0.006 +/- 0.001 χ^2/NDF : 165.9/17

Left In: -0.011 +/- 0.001 χ^2/NDF : 6.4/10

-0.008 +/- 0.001 χ^2/NDF : 39.1/27

-0.009 +/- 0.001 χ^2/NDF : 179.1/28

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -41.092+/-0.303 χ^2/NDF : 587.9/11

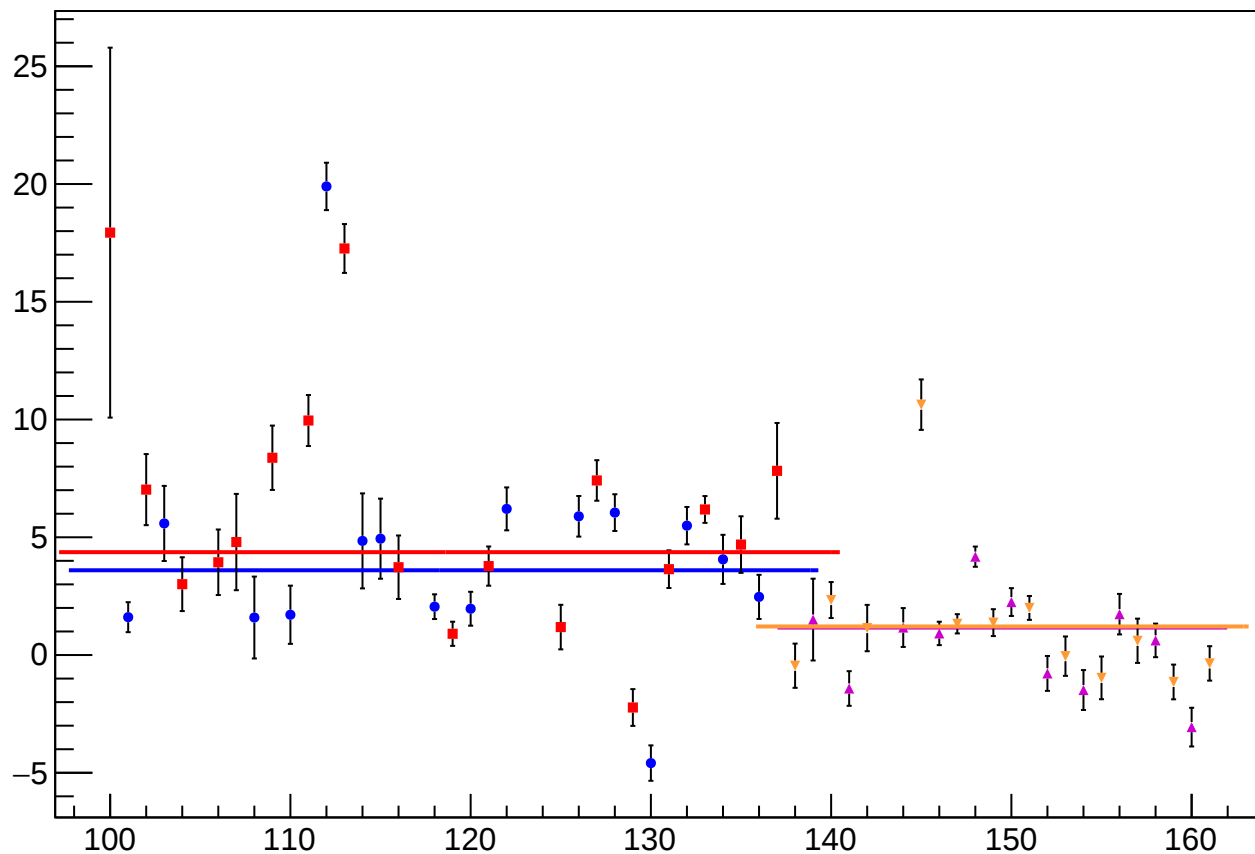
-41.092+/-0.303 χ^2/NDF : 587.9/11

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

Left In: -40.720+/-0.307 χ^2/NDF : 325.7/10

-40.720+/-0.307 χ^2/NDF : 325.7/10

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 $\pm$ 0.220 χ^2/NDF : 443.4/15

Left Out: 1.212 $\pm$ 0.199 χ^2/NDF :108.5/11

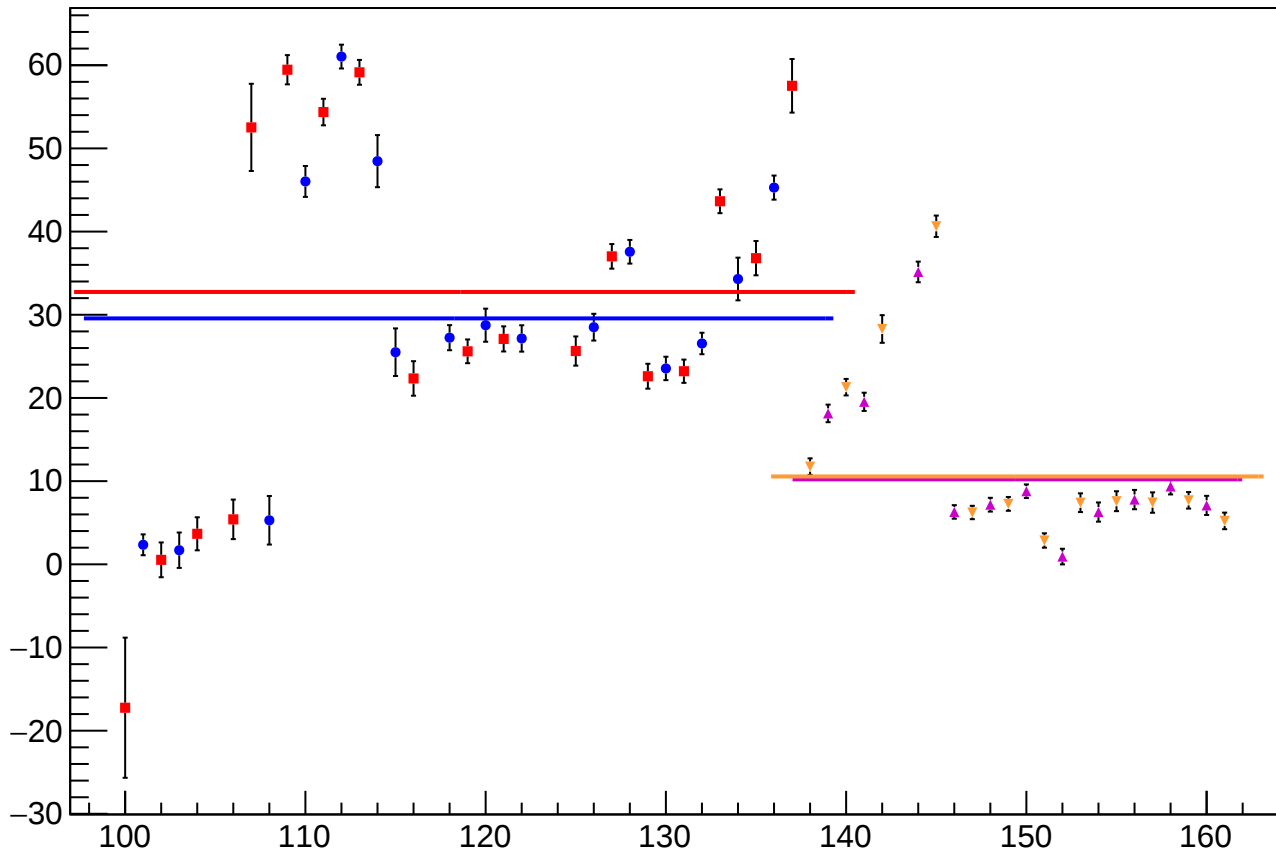
Right Out: 4.367 $\pm$ 0.225 χ^2/NDF : 353.1/17

Left In: 1.166 $\pm$ 0.204 χ^2/NDF :109.4/10

2.286 $\pm$ 0.148 χ^2/NDF : 616.4/27

2.612 $\pm$ 0.151 χ^2/NDF : 573.7/28

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 10.562 $\pm$ 0.295 χ^2 /NDF: 960.0/11

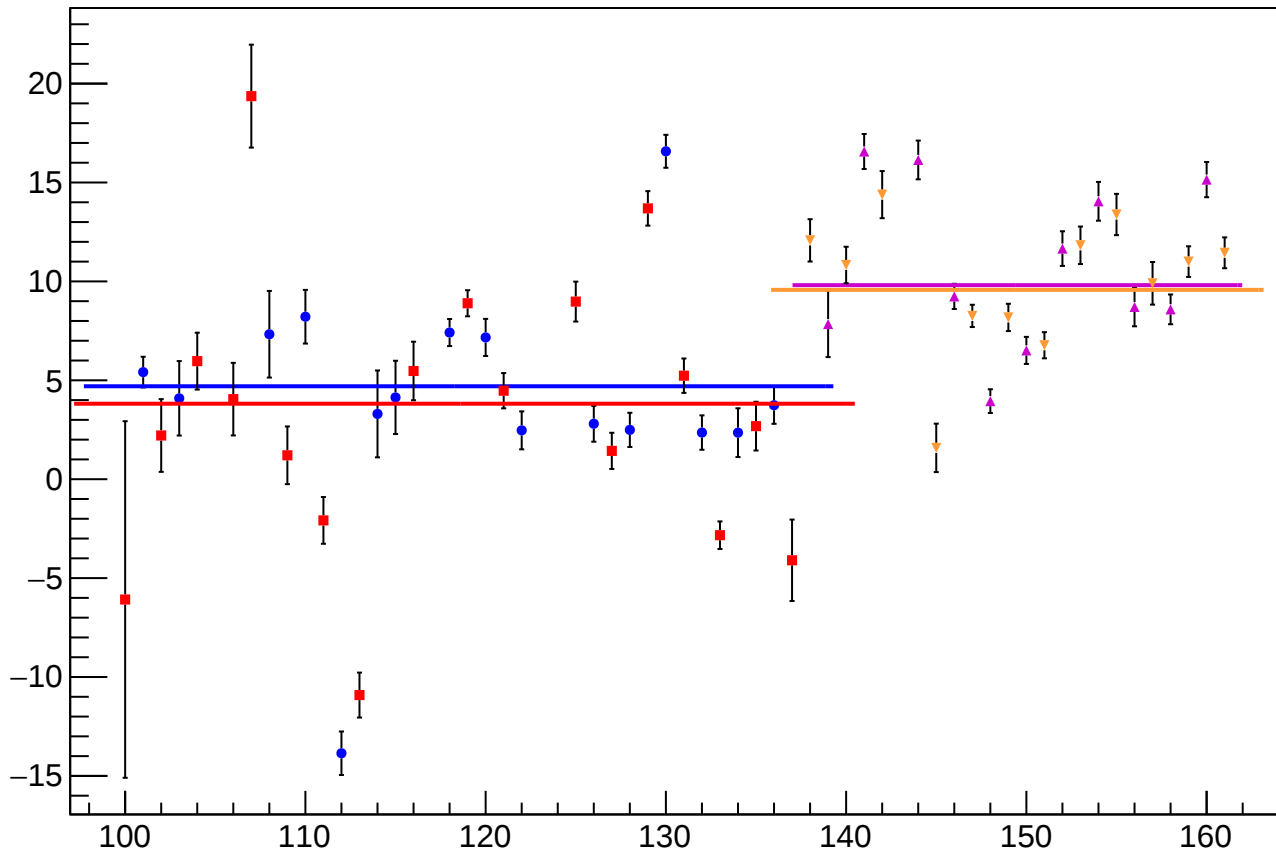
Right Out: 32.741 $\pm$ 0.423 χ^2 /NDF: 1663.3/17

Left In: 10.215 $\pm$ 0.297 χ^2 /NDF: 694.1/10

16.850 $\pm$ 0.241 χ^2 /NDF: 3827.2/27

17.670 $\pm$ 0.243 χ^2 /NDF: 4257.1/28

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.572 ± 0.241 χ^2/NDF : 121.9/11

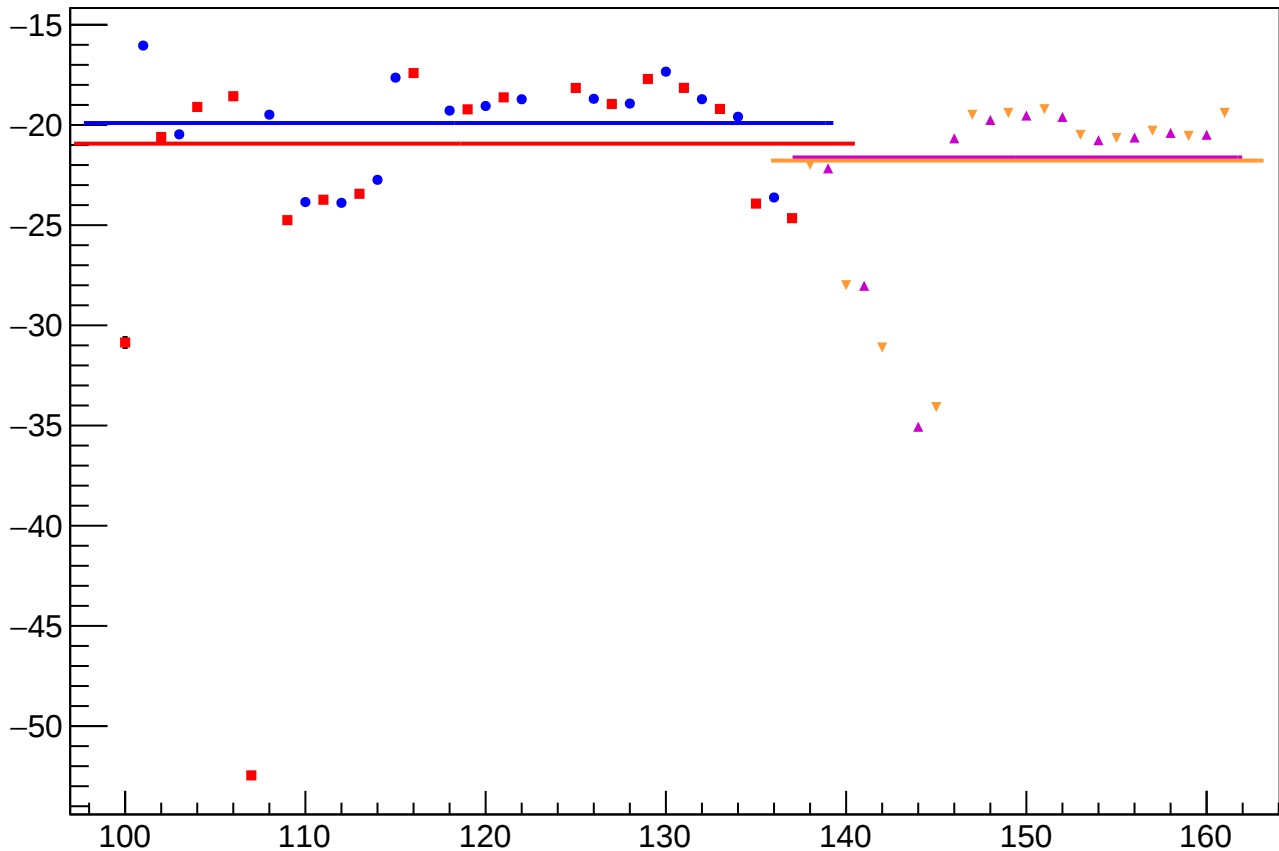
Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

Left In: 9.811 ± 0.246 χ^2/NDF : 284.0/10

7.260 ± 0.175 χ^2/NDF : 864.3/27

6.958 ± 0.178 χ^2/NDF : 1133.4/28

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -21.777 ± 0.012 $\chi^2/\text{NDF}: 119488.3/11$

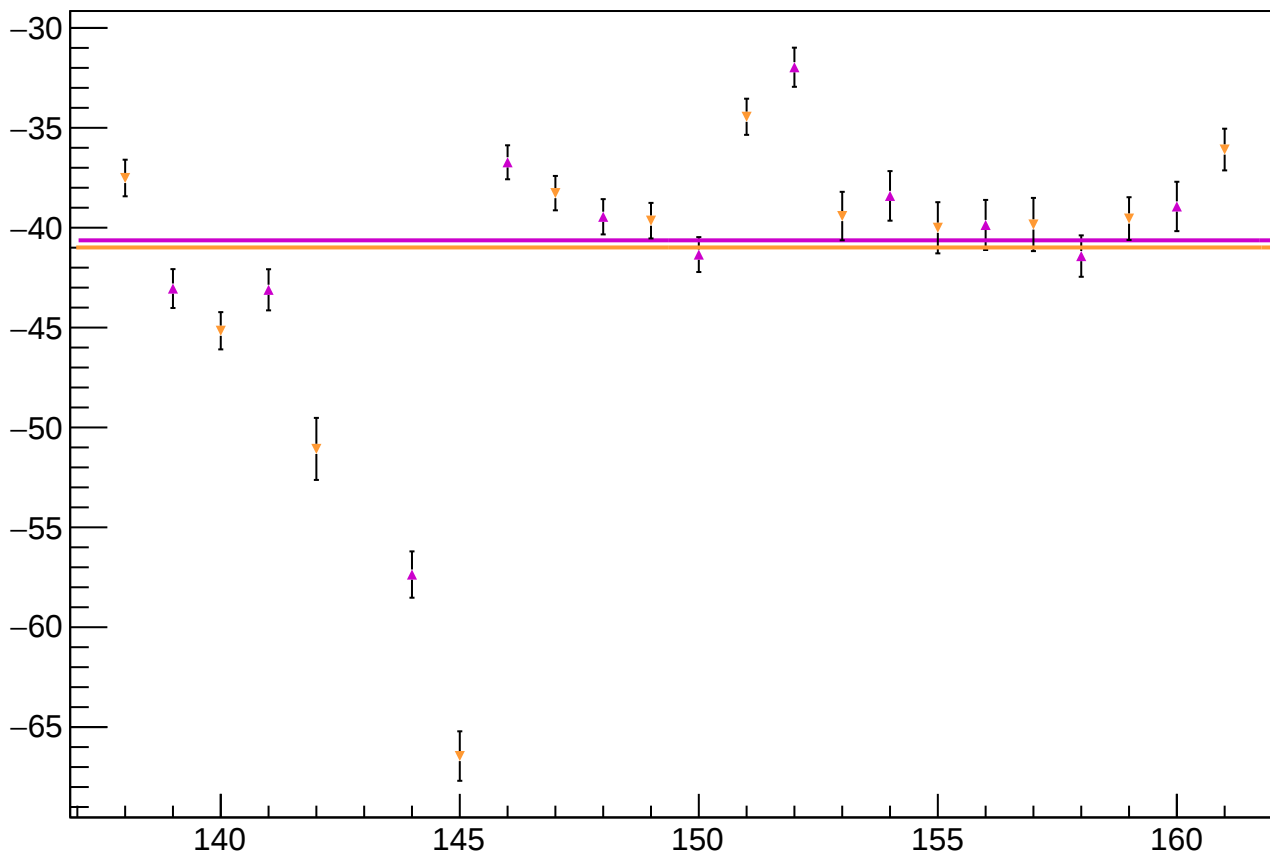
Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

Left In: -21.622 ± 0.012 $\chi^2/\text{NDF}: 95082.0/10$

-21.103 ± 0.009 $\chi^2/\text{NDF}: 154737.1/27$

-21.376 ± 0.009 $\chi^2/\text{NDF}: 190334.2/28$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -40.989+/-0.303 χ^2/NDF : 590.4/11

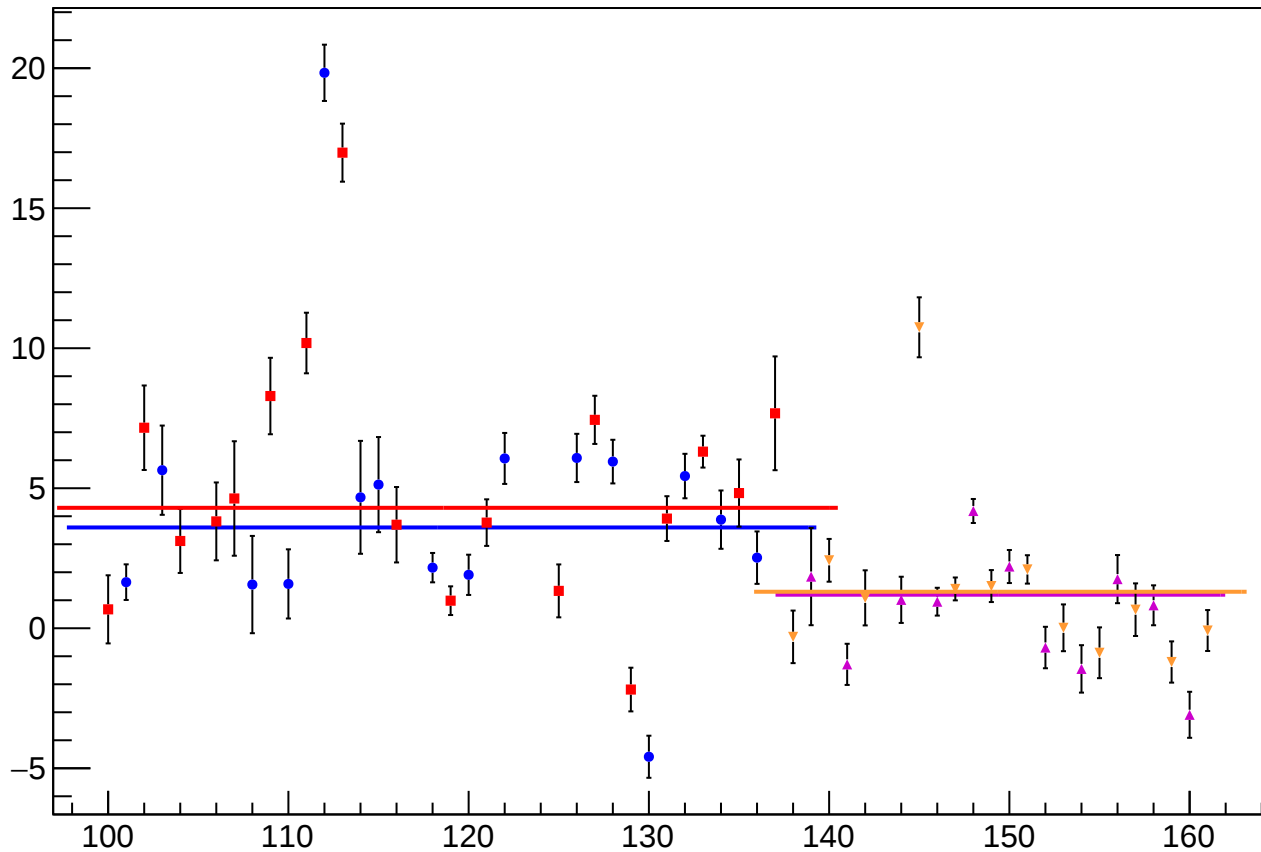
-40.989+/-0.303 χ^2/NDF : 590.4/11

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

-40.633+/-0.307 χ^2/NDF : 327.8/10

Left In: -40.633+/-0.307 χ^2/NDF : 327.8/10

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 1.304 ± 0.199 χ^2/NDF : 109.4/11

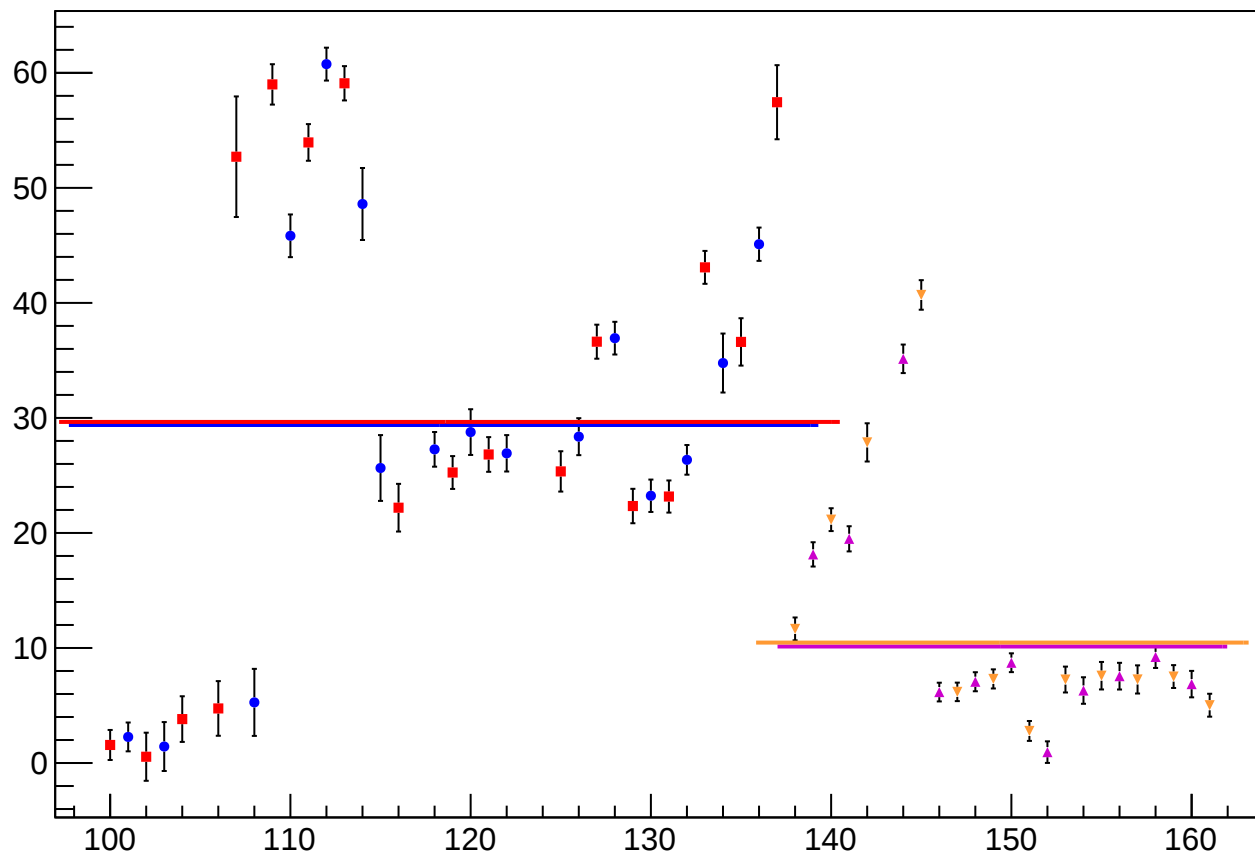
Right Out: 4.301 ± 0.221 χ^2/NDF : 352.1/17

Left In: 1.198 ± 0.204 χ^2/NDF : 107.6/10

2.337 ± 0.148 χ^2/NDF : 609.5/27

2.625 ± 0.150 χ^2/NDF : 566.2/28

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 ± 0.419 χ^2/NDF : 1488.6/15

Left Out: 10.469 ± 0.295 χ^2/NDF : 961.0/11

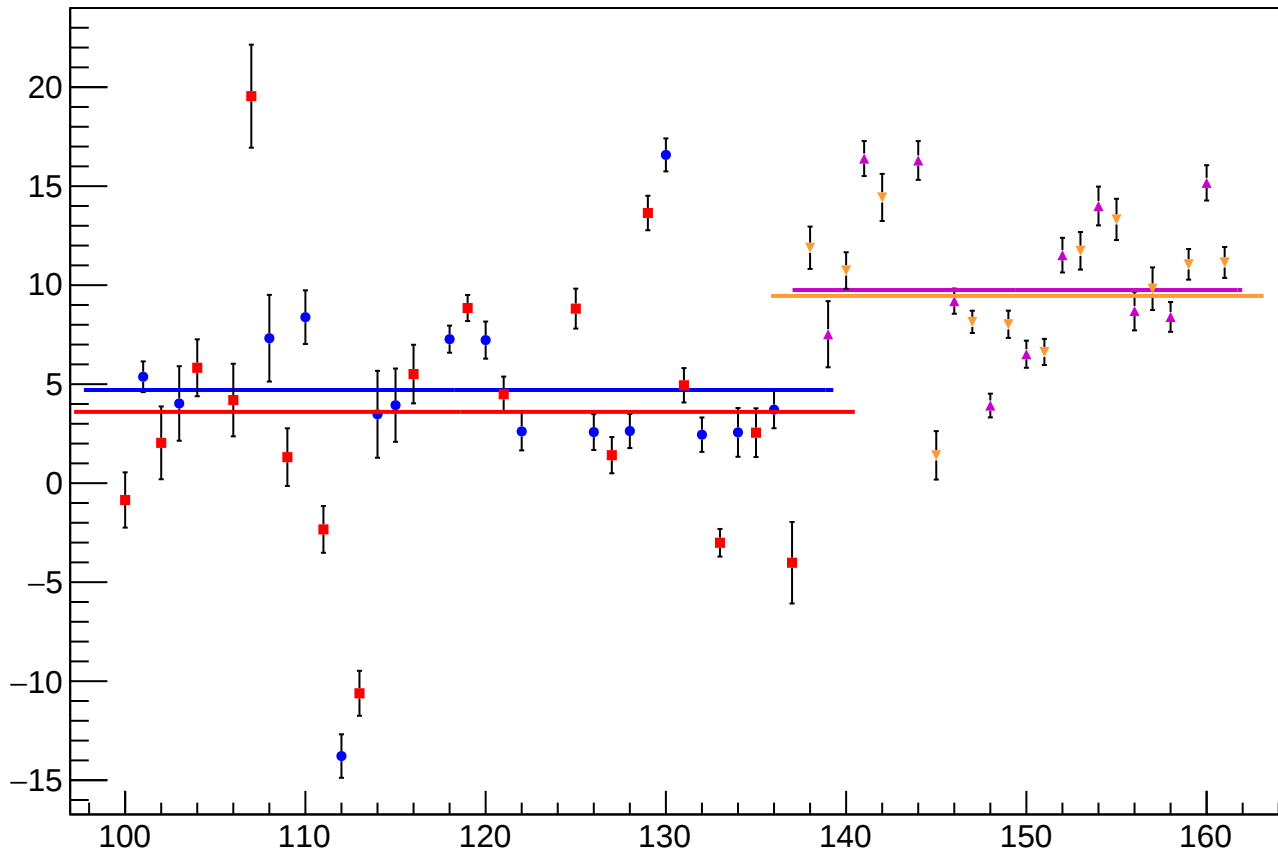
Right Out: 29.652 ± 0.402 χ^2/NDF : 2131.0/17

Left In: 10.129 ± 0.297 χ^2/NDF : 698.4/10

16.730 ± 0.241 χ^2/NDF : 3811.8/27

17.019 ± 0.239 χ^2/NDF : 4352.9/28

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 9.456 ± 0.241 χ^2/NDF : 124.5/11

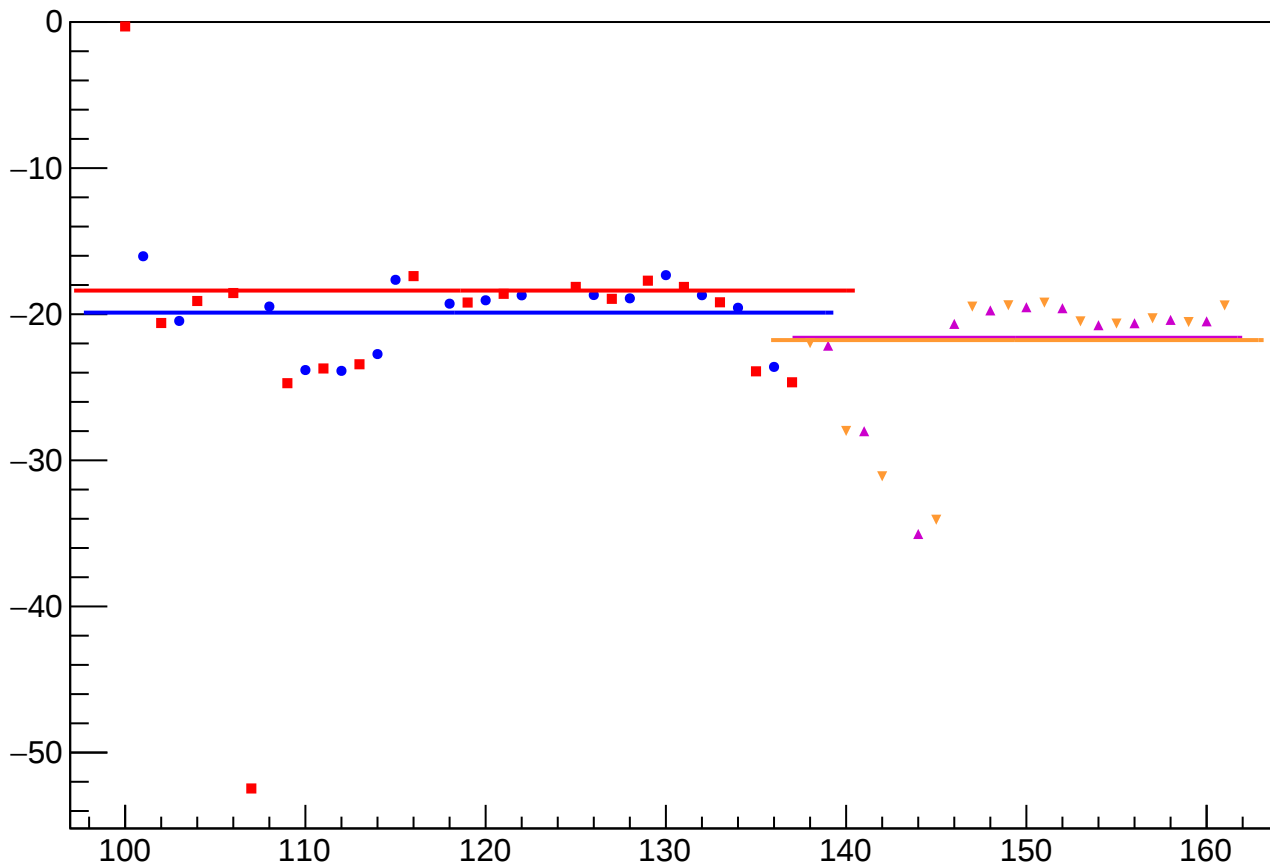
Right Out: 3.601 ± 0.254 χ^2/NDF : 573.4/17

Left In: 9.755 ± 0.246 χ^2/NDF : 285.0/10

7.203 ± 0.175 χ^2/NDF : 853.7/27

6.774 ± 0.177 χ^2/NDF : 1161.0/28

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 χ^2/NDF : 26044.4/15

Left Out: -21.770 ± 0.012 χ^2/NDF : 119538.5/11

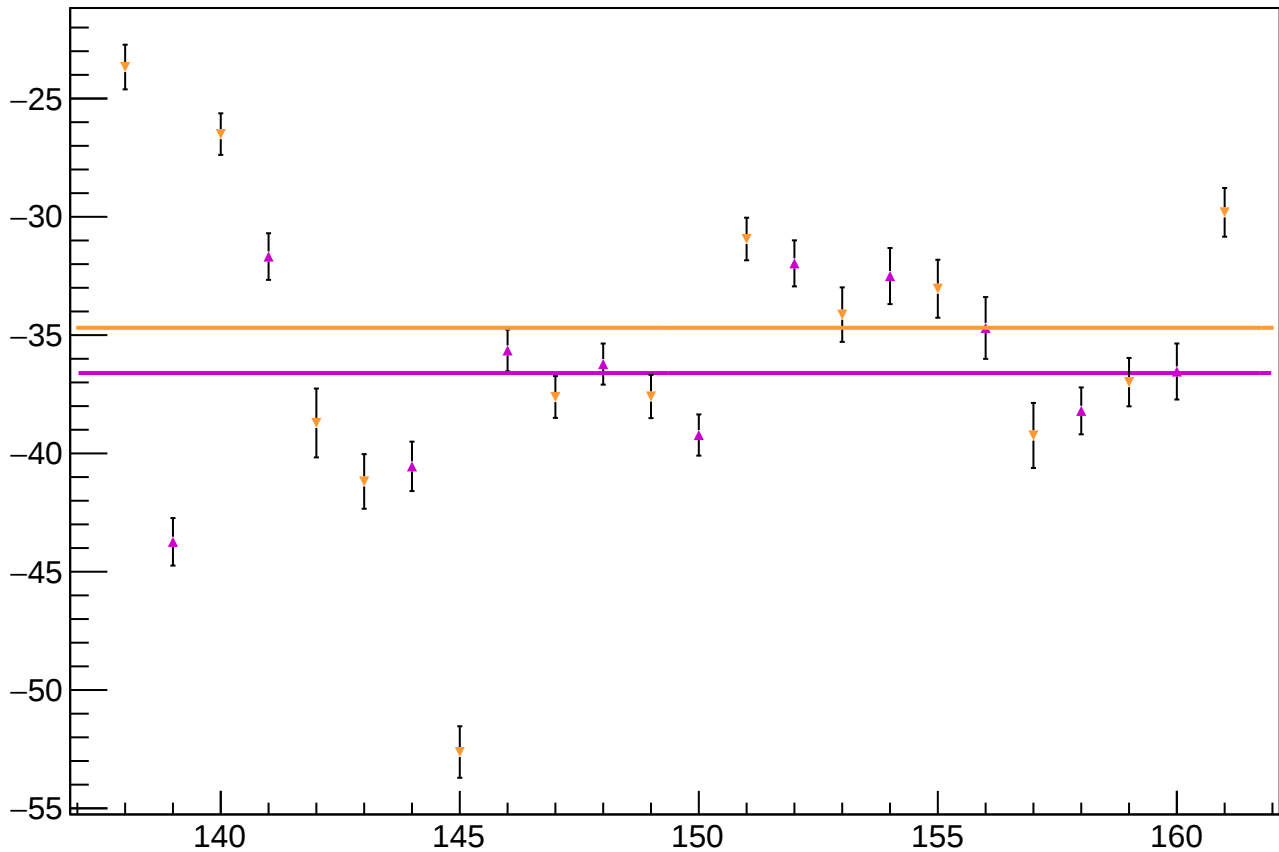
Right Out: -18.380 ± 0.015 χ^2/NDF : 300999.4/17

Left In: -21.612 ± 0.012 χ^2/NDF : 95019.9/10

-21.094 ± 0.009 χ^2/NDF : 154832.3/27

-20.365 ± 0.009 χ^2/NDF : 425517.2/28

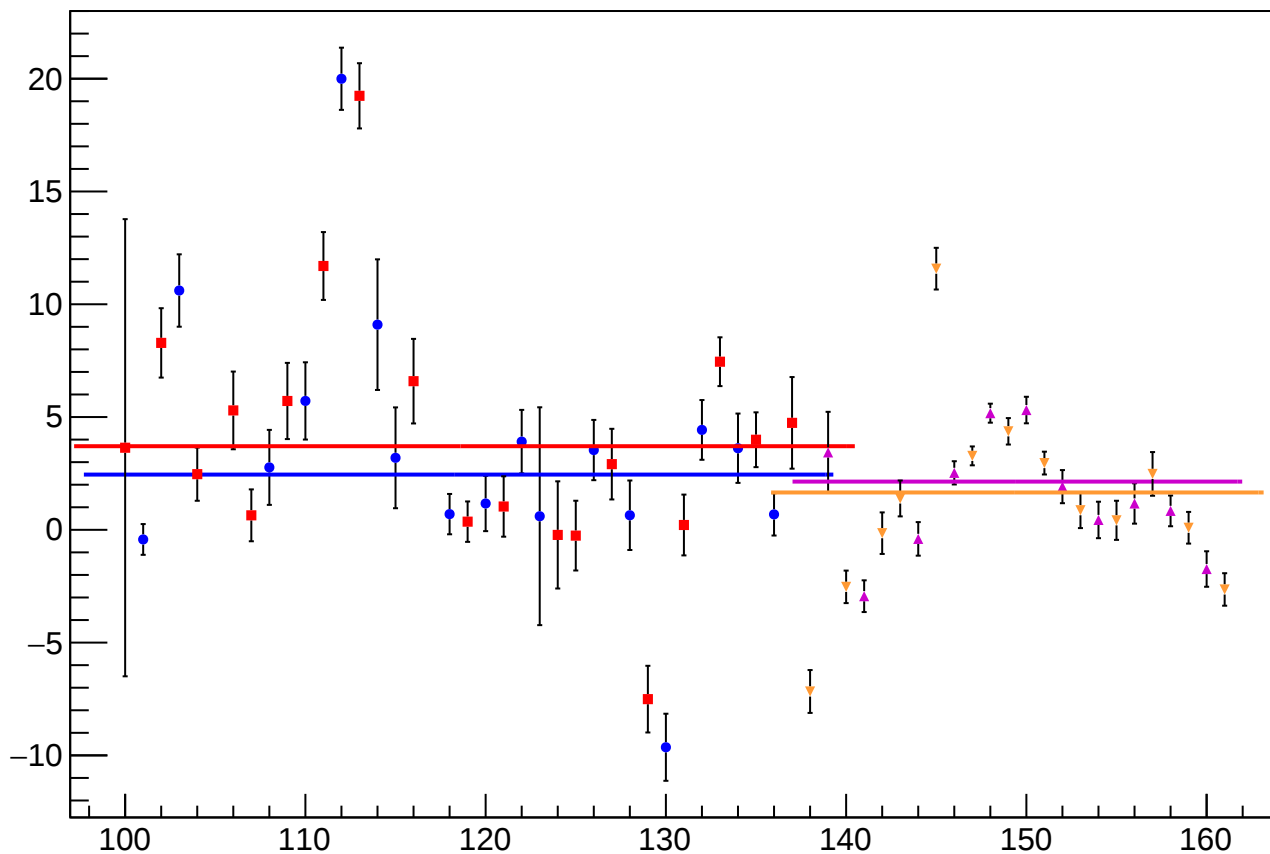
reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -34.690+/-0.288 χ^2/NDF : 612.3/12
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -36.603+/-0.302 χ^2/NDF : 139.5/10

-34.690+/-0.288 χ^2/NDF : 612.3/12
-36.603+/-0.302 χ^2/NDF : 139.5/10

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 1.656 ± 0.191 χ^2/NDF : 326.5/12

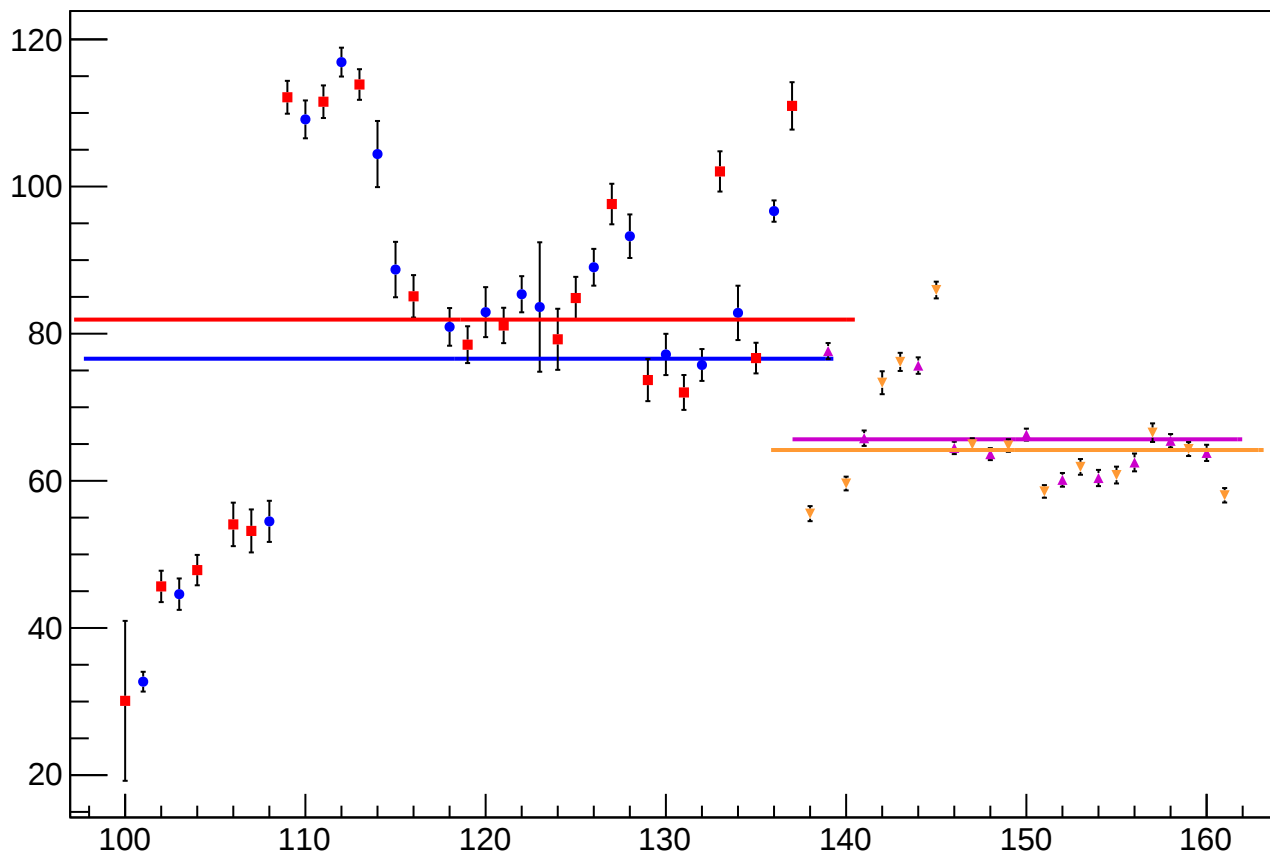
Right Out: 3.707 ± 0.326 χ^2/NDF : 269.4/18

Left In: 2.138 ± 0.201 χ^2/NDF : 179.4/10

1.870 ± 0.163 χ^2/NDF : 626.5/29

2.569 ± 0.171 χ^2/NDF : 465.6/29

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598+/-0.576 χ^2 /NDF: 2255.1/16

Left Out: 64.190+/-0.282 χ^2 /NDF:690.0/12

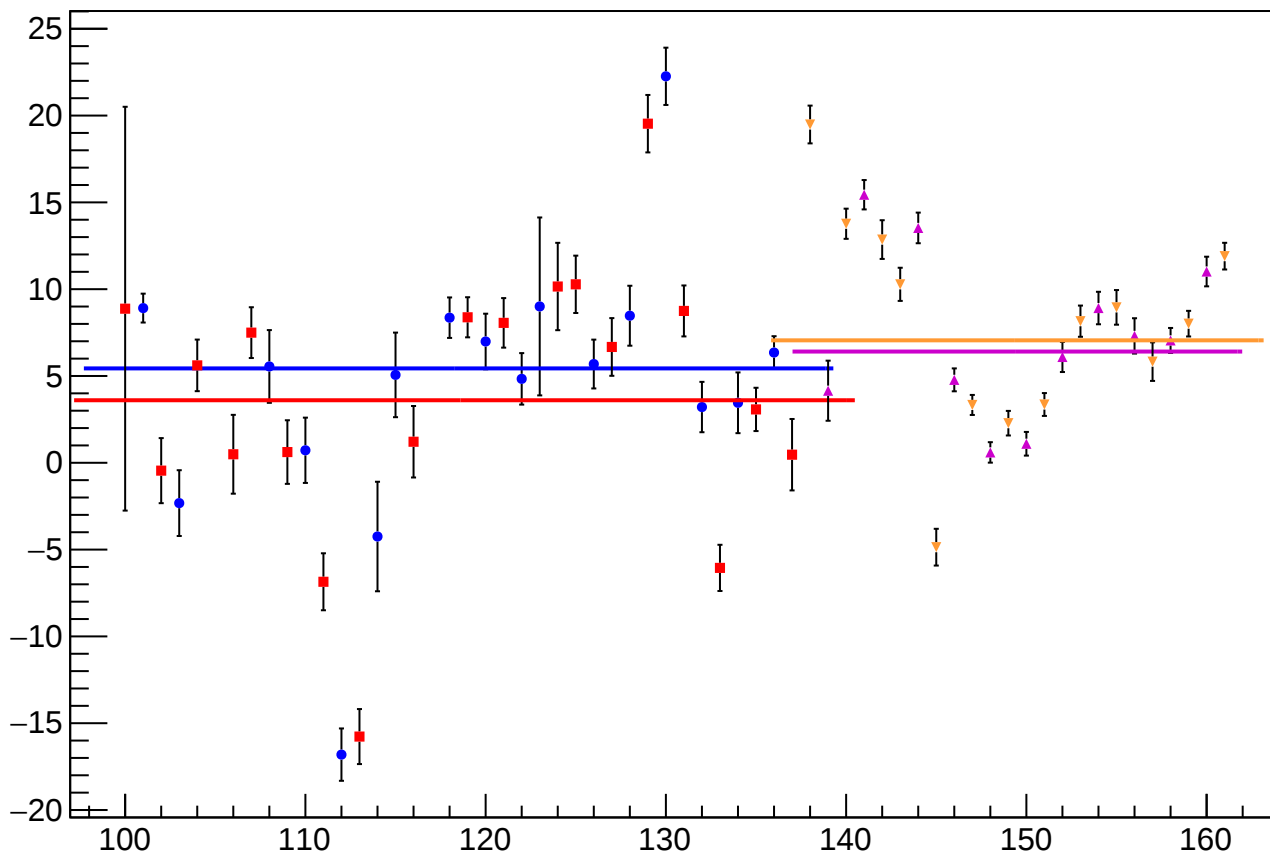
Right Out: 81.916+/-0.592 χ^2 /NDF: 1570.7/18

Left In: 65.644+/-0.293 χ^2 /NDF:277.8/10

66.593+/-0.253 χ^2 /NDF: 3319.2/29

68.845+/-0.263 χ^2 /NDF: 2455.3/29

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 χ^2/NDF : 387.2/16

Left Out: 7.053 ± 0.230 χ^2/NDF : 521.9/12

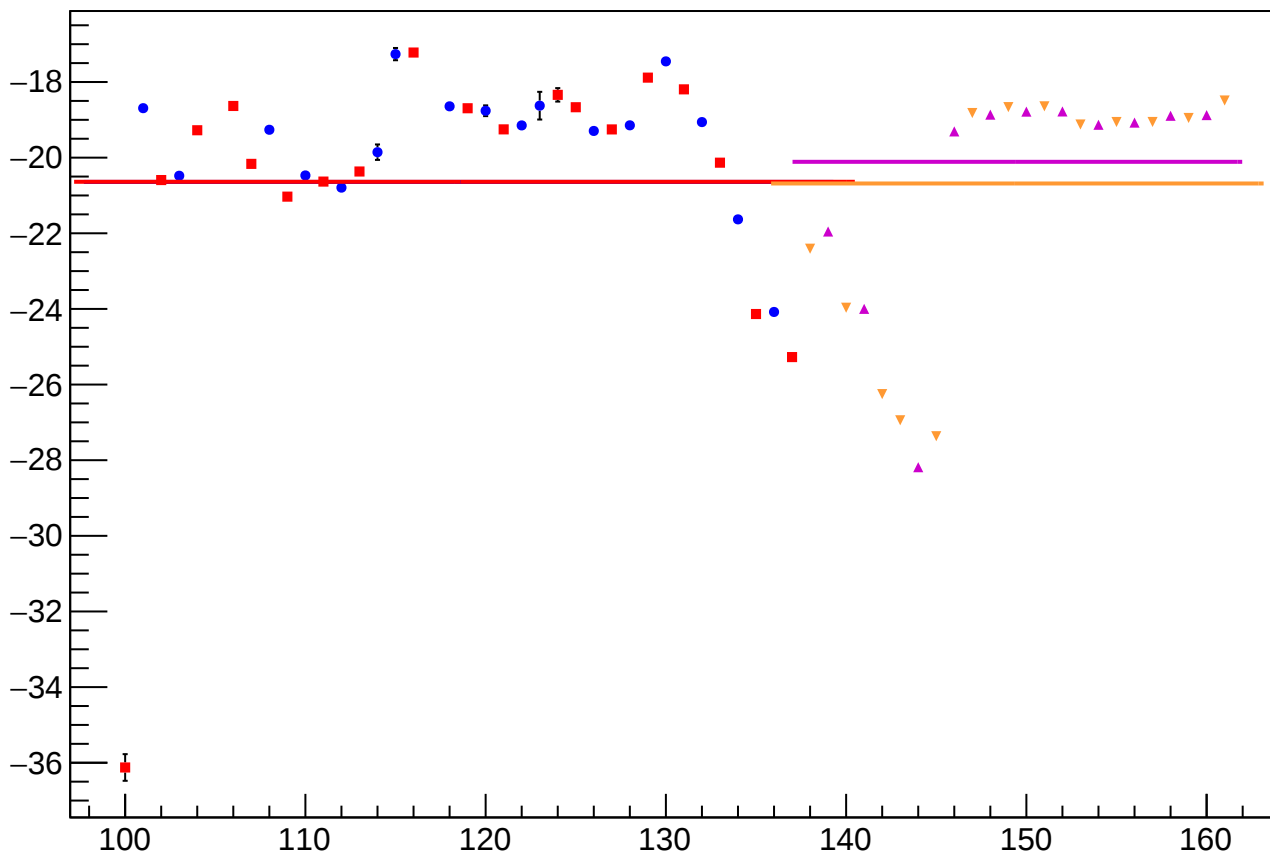
Right Out: 3.602 ± 0.375 χ^2/NDF : 423.3/18

Left In: 6.407 ± 0.242 χ^2/NDF : 382.8/10

6.584 ± 0.194 χ^2/NDF : 923.5/29

5.583 ± 0.203 χ^2/NDF : 845.6/29

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -20.683 ± 0.011 $\chi^2/\text{NDF}: 73629.7/12$

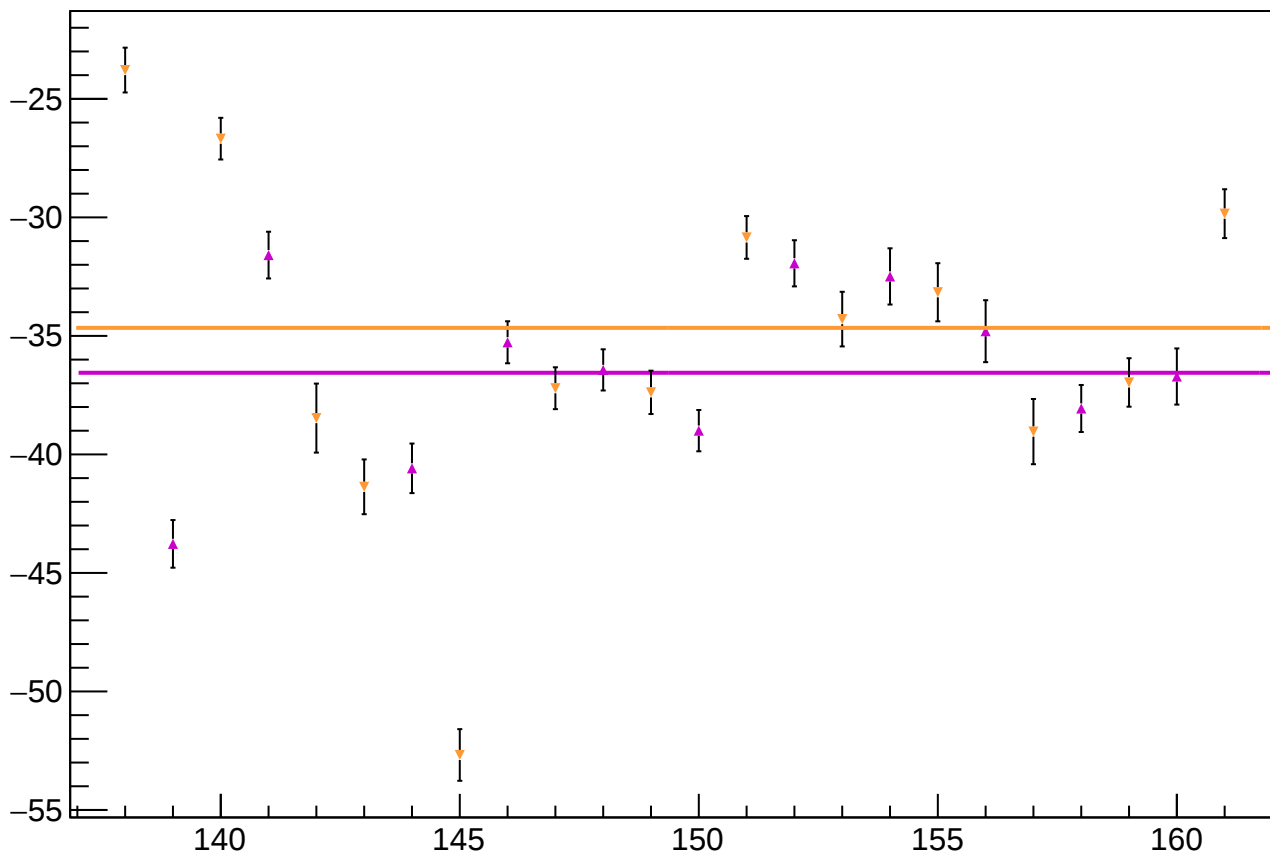
Right Out: -20.638 ± 0.019 $\chi^2/\text{NDF}: 13783.4/18$

Left In: -20.110 ± 0.012 $\chi^2/\text{NDF}: 46103.4/10$

-20.673 ± 0.010 $\chi^2/\text{NDF}: 86064.7/29$

-20.247 ± 0.010 $\chi^2/\text{NDF}: 60431.5/29$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -34.661+/-0.288 χ^2/NDF : 602.6/12

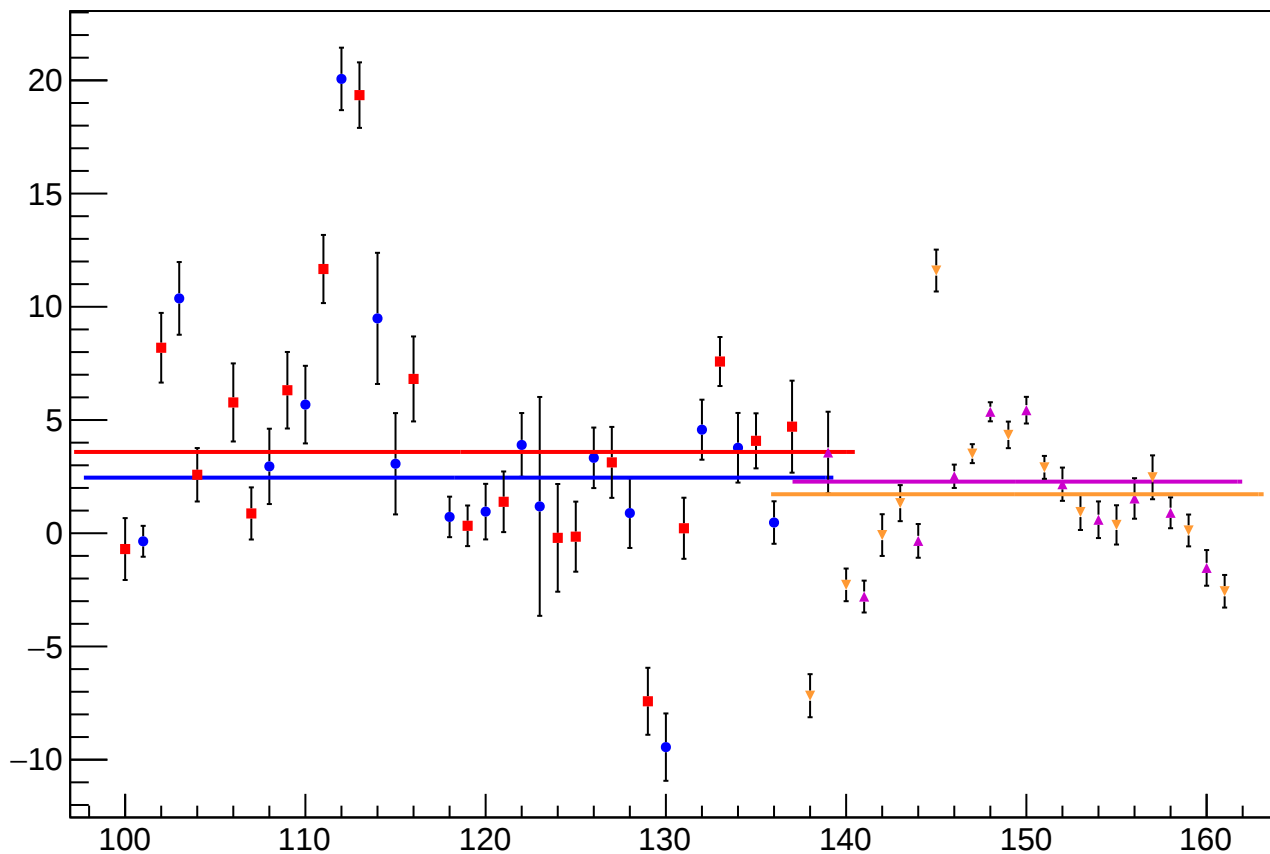
-34.661+/-0.288 χ^2/NDF : 602.6/12

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

Left In: -36.556+/-0.302 χ^2/NDF : 140.1/10

-36.556+/-0.302 χ^2/NDF : 140.1/10

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 1.722 ± 0.191 χ^2/NDF : 324.9/12

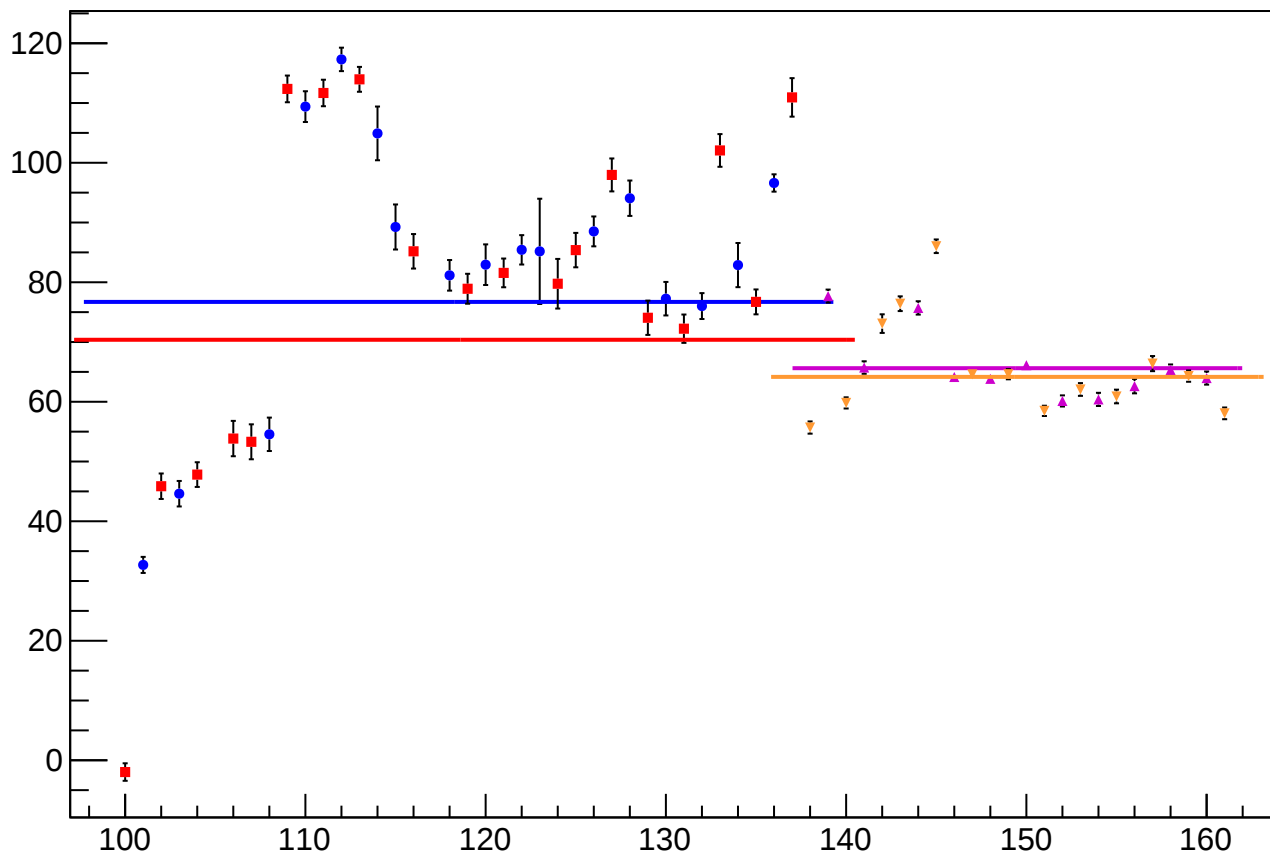
Right Out: 3.590 ± 0.318 χ^2/NDF : 279.8/18

Left In: 2.279 ± 0.201 χ^2/NDF : 179.9/10

1.920 ± 0.163 χ^2/NDF : 622.3/29

2.653 ± 0.170 χ^2/NDF : 471.9/29

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 ± 0.576 χ^2/NDF : 2266.6/16

Left Out: 64.165 ± 0.282 χ^2/NDF : 688.7/12

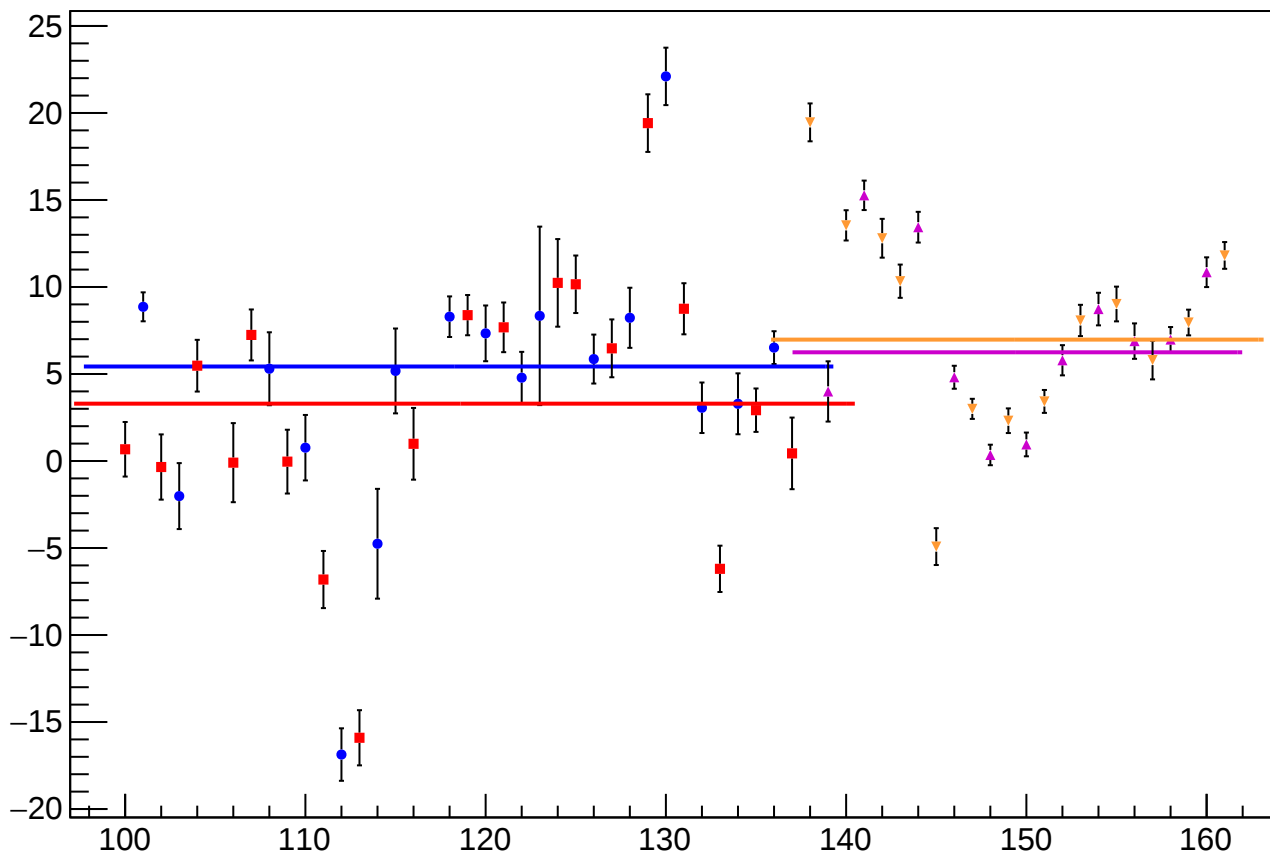
Right Out: 70.376 ± 0.550 χ^2/NDF : 4390.7/18

Left In: 65.620 ± 0.293 χ^2/NDF : 277.8/10

66.595 ± 0.254 χ^2/NDF : 3337.5/29

66.673 ± 0.259 χ^2/NDF : 4726.7/29

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

6.528 ± 0.194 $\chi^2/\text{NDF}: 921.3/29$

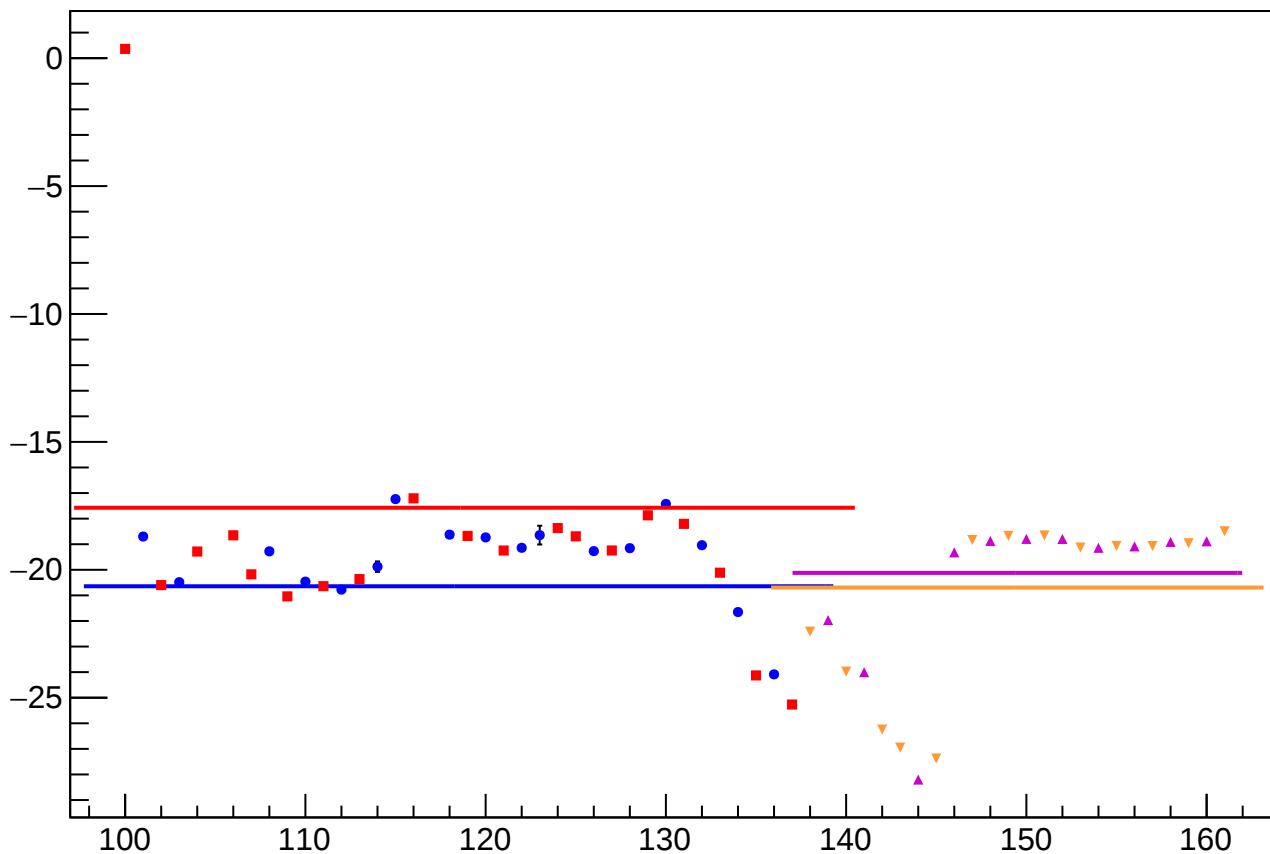
Left Out: 6.976 ± 0.230 $\chi^2/\text{NDF}: 522.3/12$

Right Out: 3.295 ± 0.365 $\chi^2/\text{NDF}: 426.1/18$

5.345 ± 0.202 $\chi^2/\text{NDF}: 855.9/29$

Left In: 6.247 ± 0.242 $\chi^2/\text{NDF}: 384.4/10$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 χ^2/NDF : 12468.6/16

Left Out: -20.693 ± 0.011 χ^2/NDF : 73477.9/12

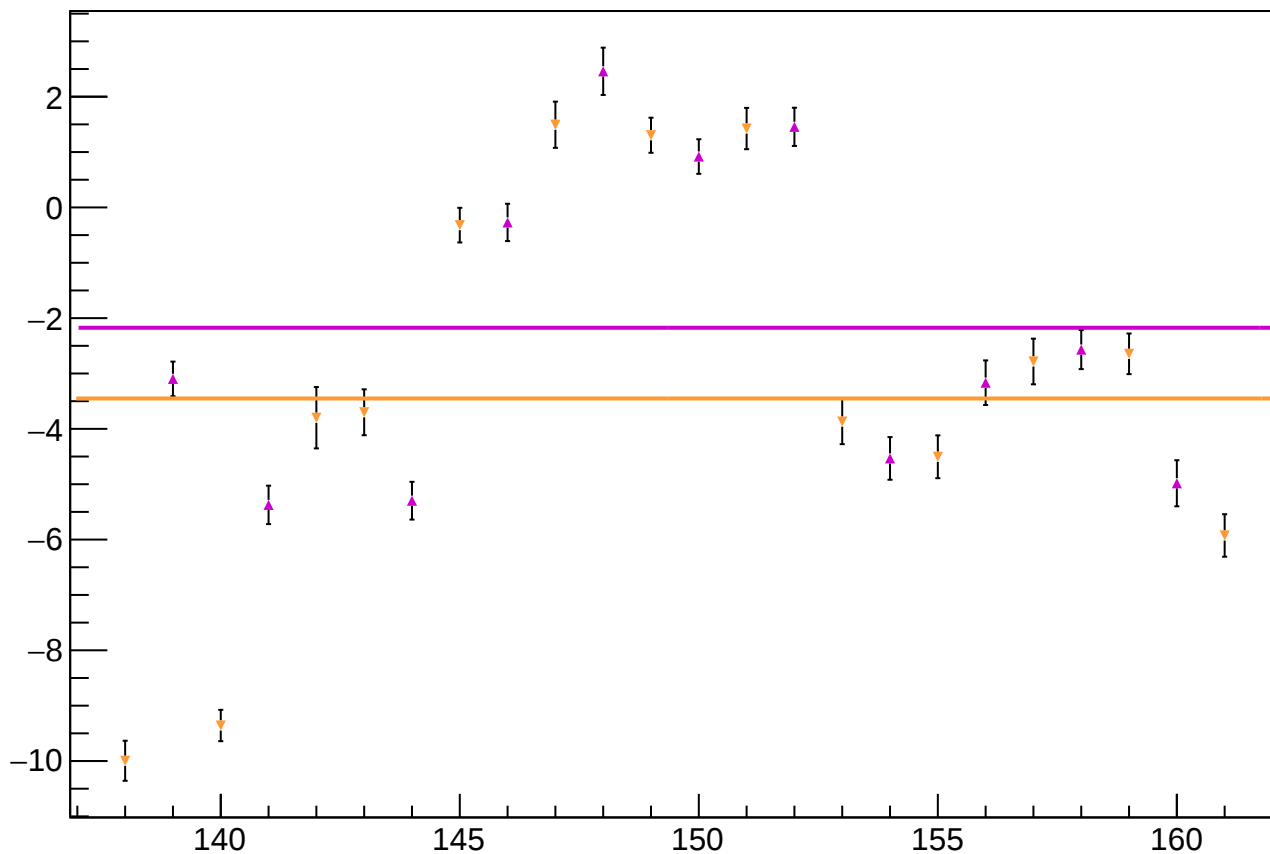
Right Out: -17.574 ± 0.018 χ^2/NDF : 178327.0/18

Left In: -20.121 ± 0.012 χ^2/NDF : 46031.3/10

-20.681 ± 0.010 χ^2/NDF : 85951.5/29

-19.382 ± 0.010 χ^2/NDF : 238517.0/29

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug

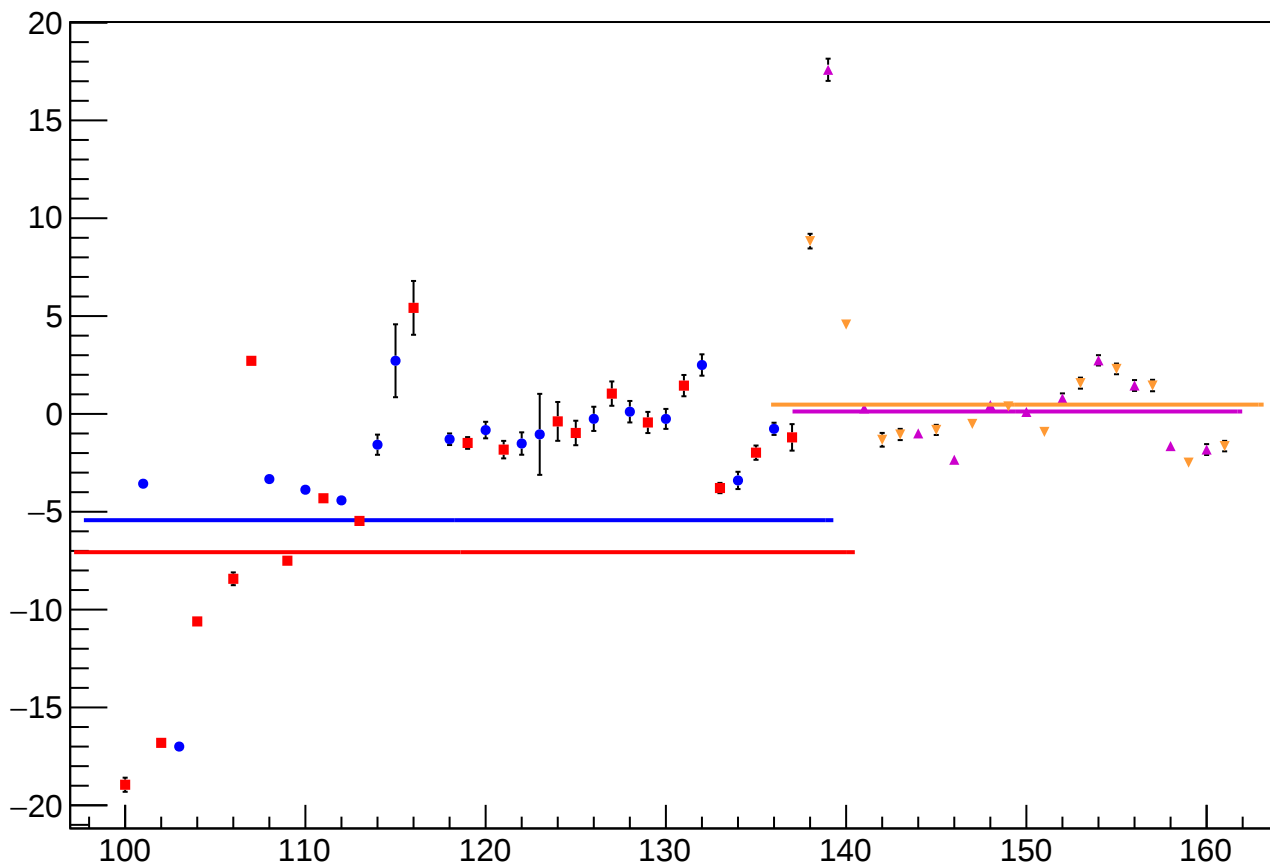


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.451+/-0.103 χ^2/NDF : 1458.0/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.174+/-0.107 χ^2/NDF : 626.4/10

-3.451+/-0.103 χ^2/NDF : 1458.0/12

-2.174+/-0.107 χ^2/NDF : 626.4/10

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 0.475 ± 0.071 χ^2/NDF : 1215.2/12

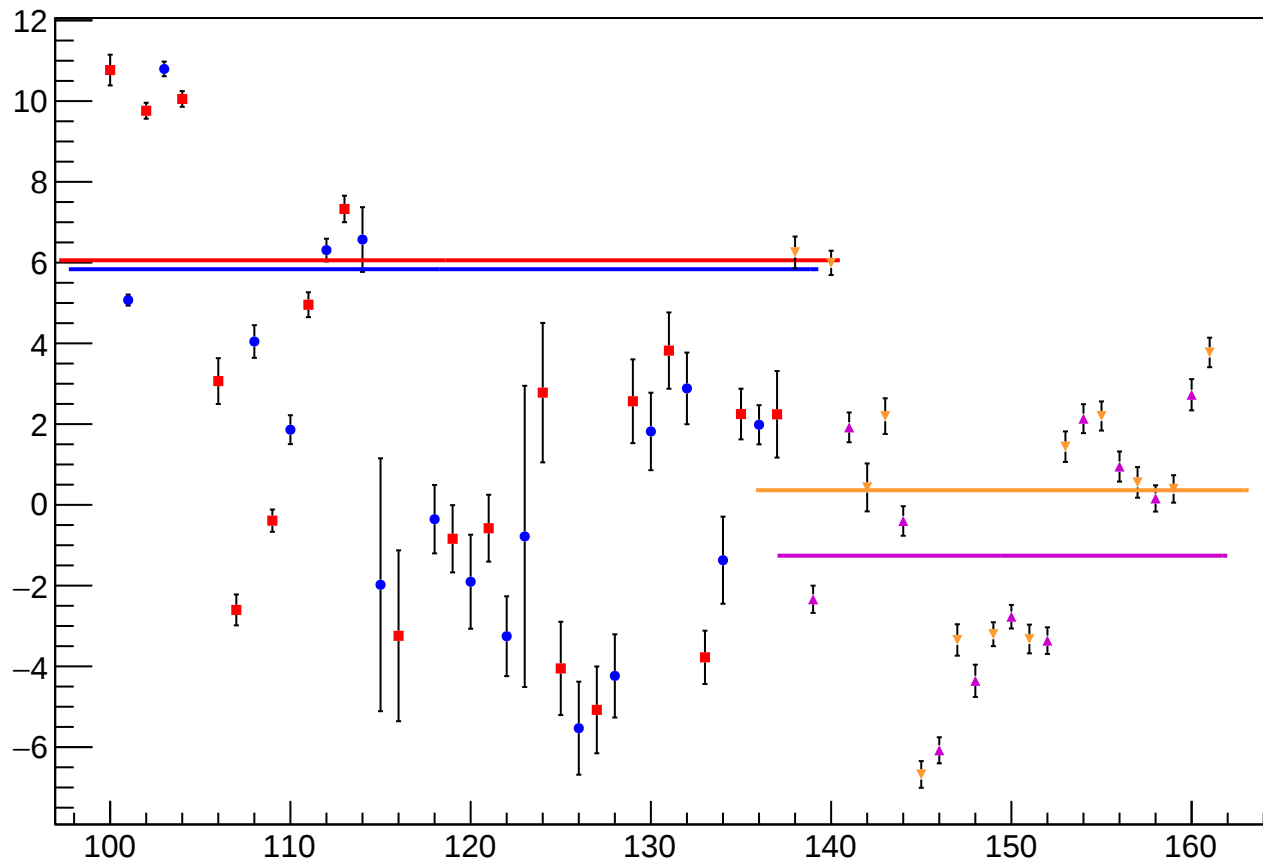
Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

Left In: 0.124 ± 0.076 χ^2/NDF : 1333.9/10

-3.236 ± 0.043 χ^2/NDF : 14754.8/29

-4.346 ± 0.047 χ^2/NDF : 19253.4/29

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 ± 0.090 $\chi^2/\text{NDF}: 1440.9/16$

Left Out: 0.362 ± 0.101 $\chi^2/\text{NDF}: 1509.0/12$

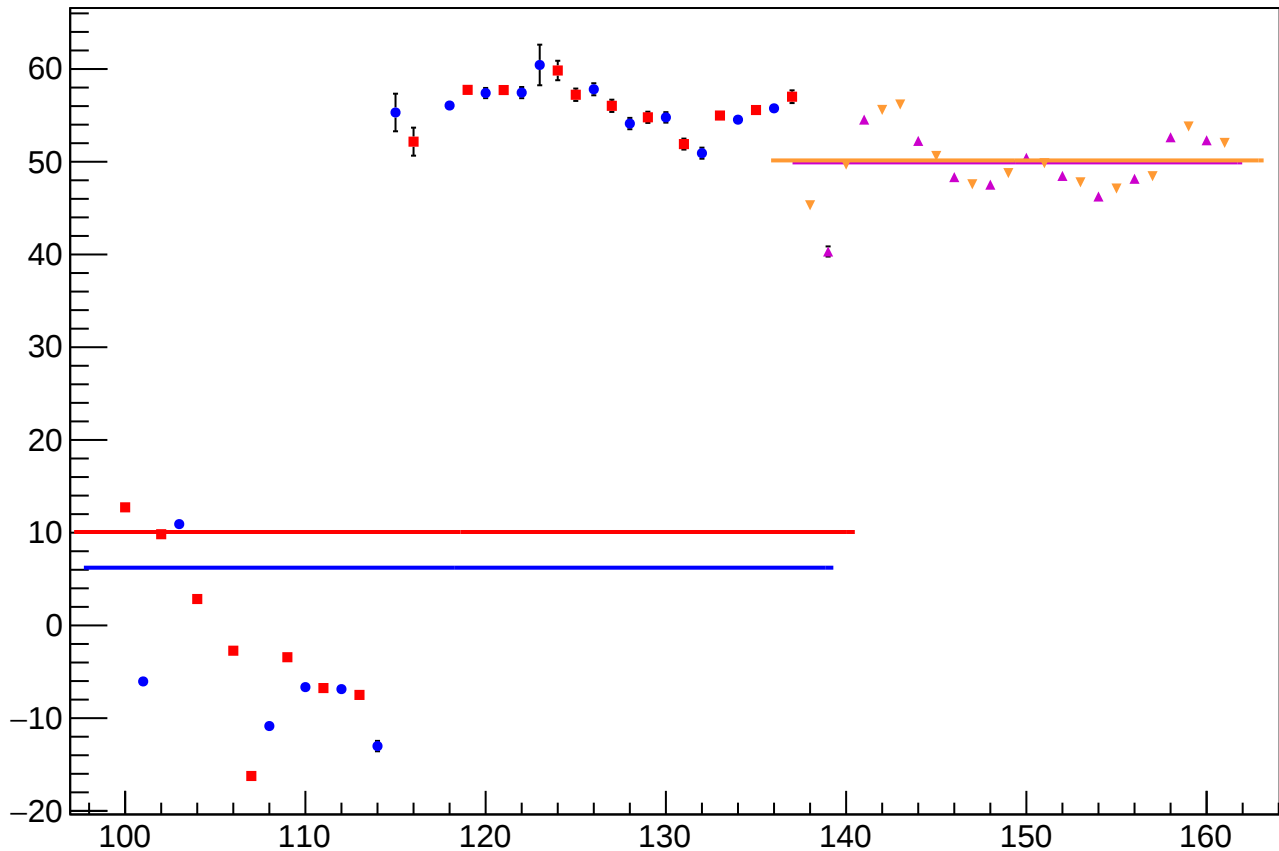
Right Out: 6.057 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

Left In: -1.259 ± 0.105 $\chi^2/\text{NDF}: 689.7/10$

3.422 ± 0.067 $\chi^2/\text{NDF}: 4594.0/29$

2.814 ± 0.070 $\chi^2/\text{NDF}: 6082.7/29$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 $\pm$ 0.065 χ^2 /NDF: 120955.1/16

Left Out: 50.143 $\pm$ 0.084 χ^2 /NDF:1133.8/12

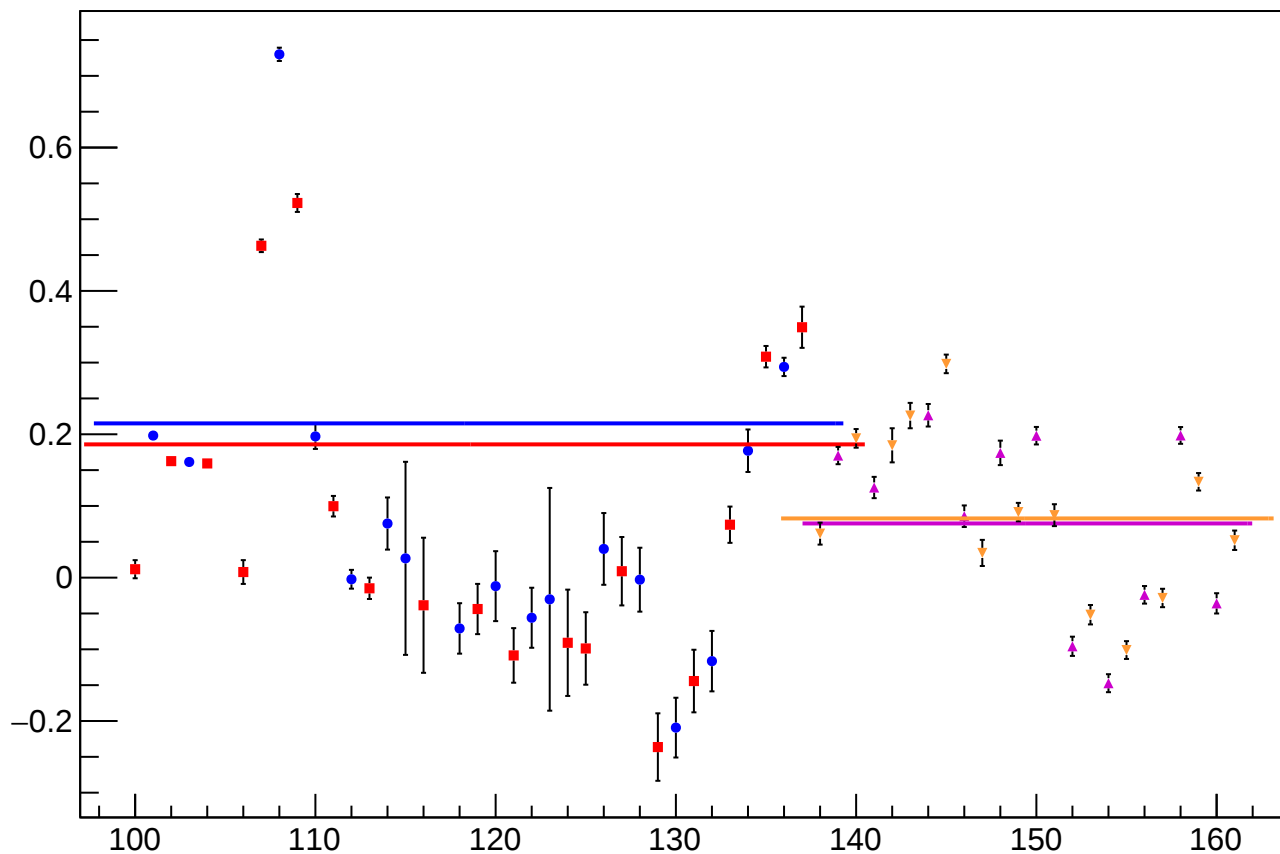
Right Out: 10.075 $\pm$ 0.070 χ^2 /NDF: 122049.3/18

Left In: 49.929 $\pm$ 0.089 χ^2 /NDF:1094.4/10

22.547 $\pm$ 0.051 χ^2 /NDF: 292634.8/29

25.282 $\pm$ 0.055 χ^2 /NDF: 247763.8/29

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215+/-0.003 χ^2/NDF : 3925.9/16

Left Out: 0.083+/-0.004 χ^2/NDF : 858.2/12

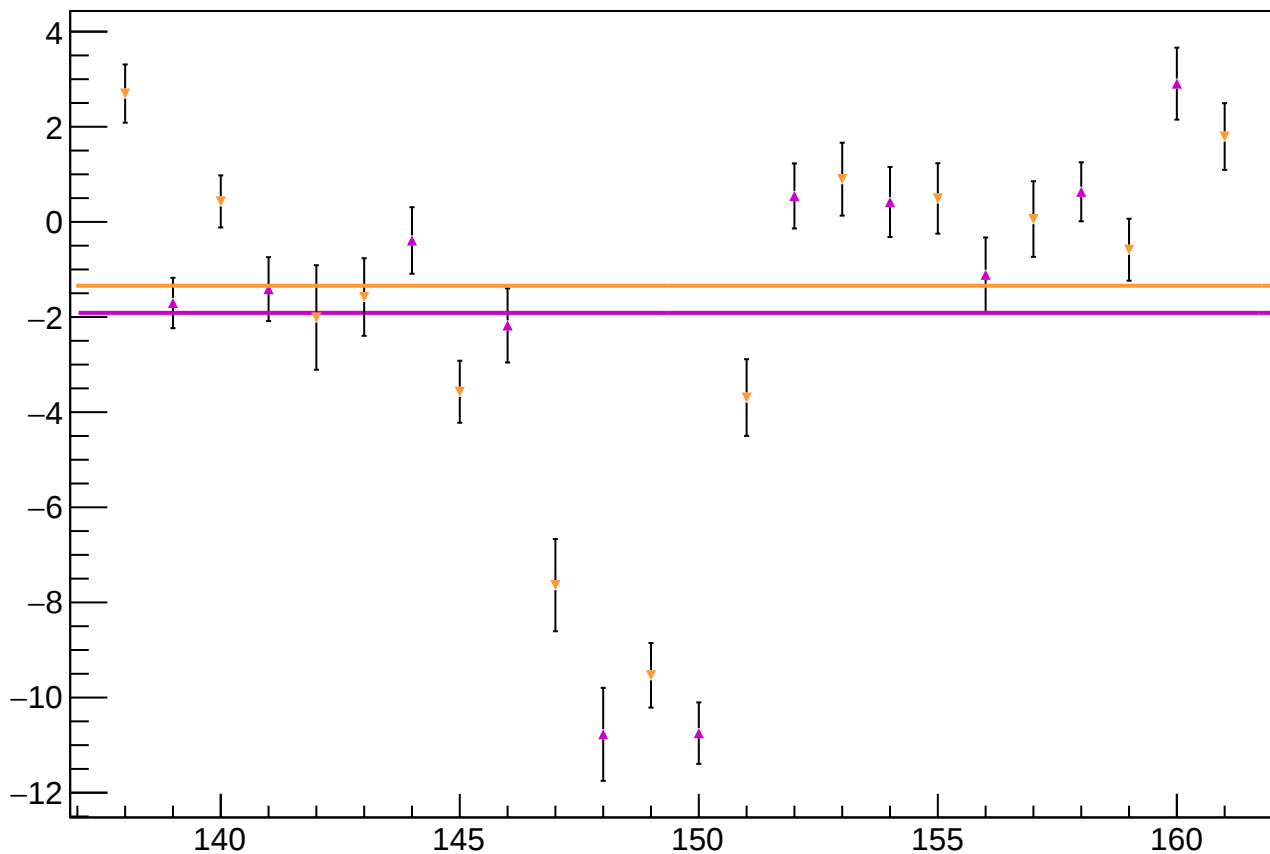
Right Out: 0.186+/-0.003 χ^2/NDF : 2718.1/18

Left In: 0.076+/-0.004 χ^2/NDF : 1016.5/10

0.171+/-0.002 χ^2/NDF : 5543.6/29

0.152+/-0.002 χ^2/NDF : 4249.1/29

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

Left Out: -1.342+/-0.200 χ^2/NDF : 301.5/12

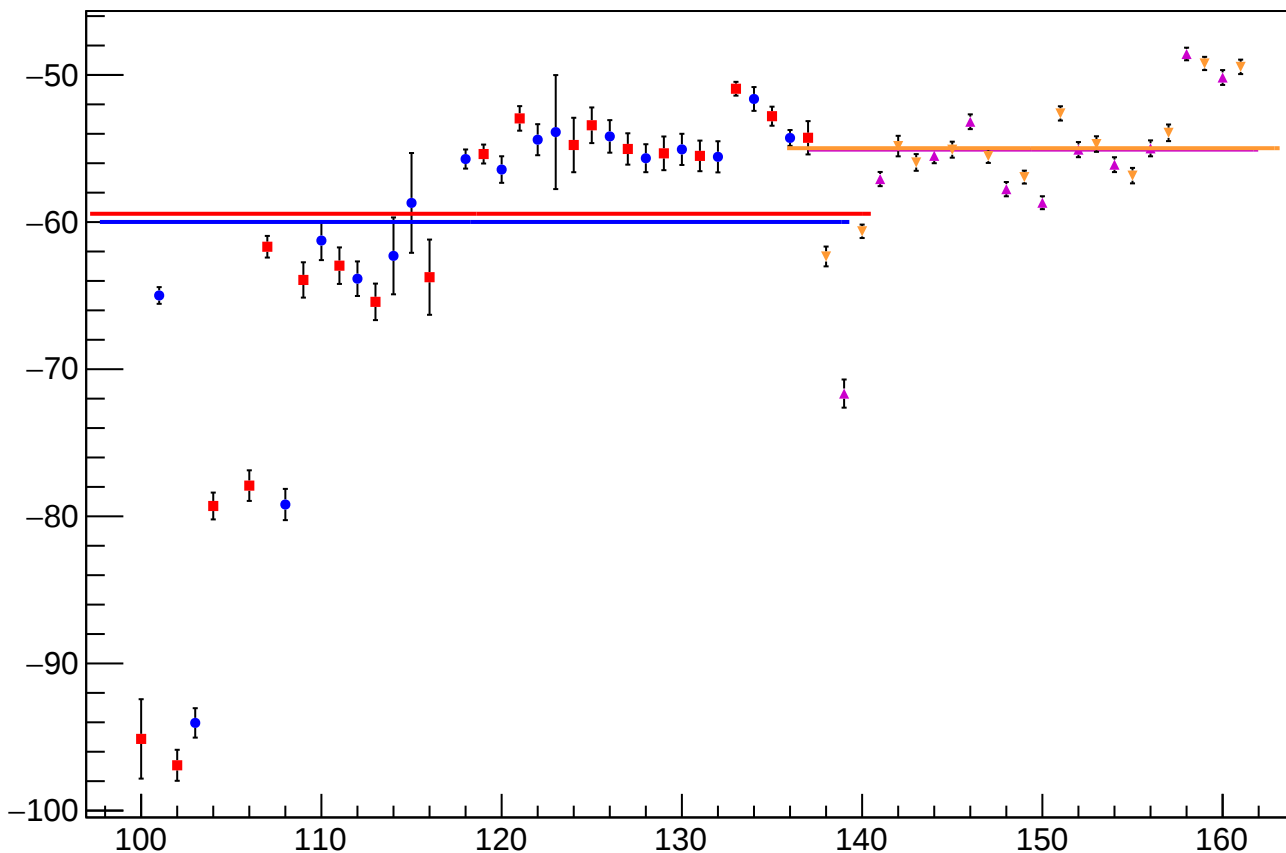
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1.912+/-0.209 χ^2/NDF : 356.0/10

-1.342+/-0.200 χ^2/NDF : 301.5/12

-1.912+/-0.209 χ^2/NDF : 356.0/10

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.978 ± 0.143 χ^2/NDF : 626.6/12

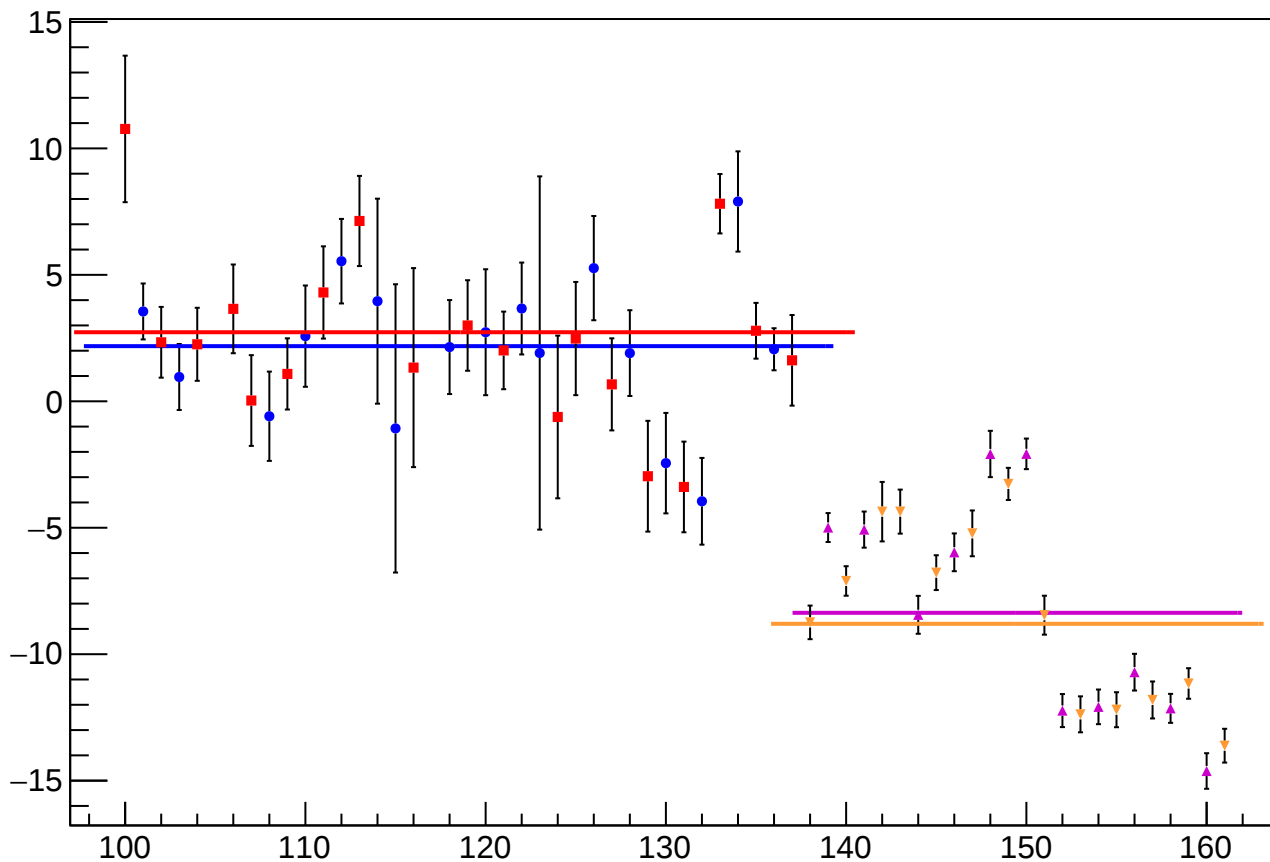
Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

Left In: -55.075 ± 0.152 χ^2/NDF : 758.0/10

-56.421 ± 0.121 χ^2/NDF : 2953.3/29

-56.560 ± 0.124 χ^2/NDF : 3954.9/29

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -8.797 ± 0.197 $\chi^2/\text{NDF}: 282.6/12$

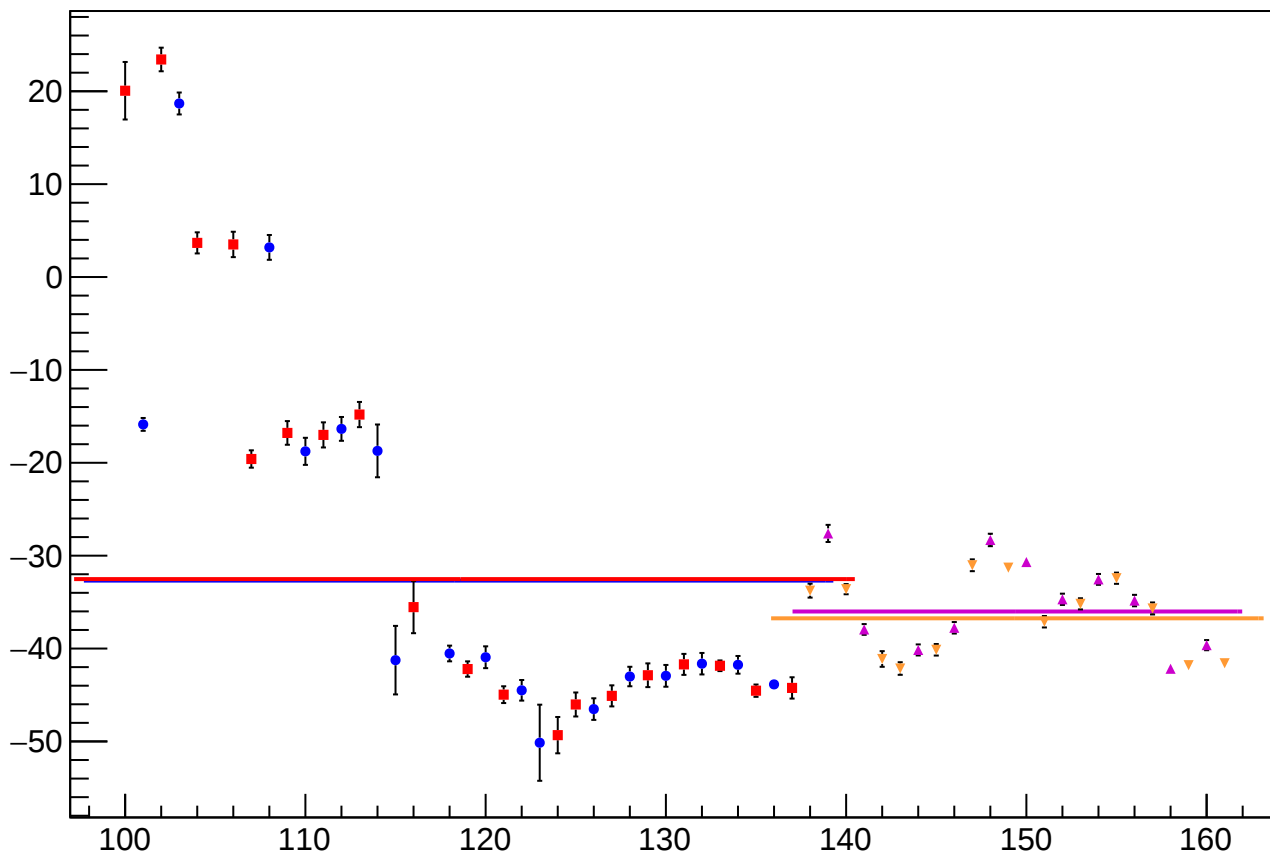
Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

Left In: -8.364 ± 0.204 $\chi^2/\text{NDF}: 418.6/10$

-6.695 ± 0.178 $\chi^2/\text{NDF}: 913.8/29$

-5.954 ± 0.181 $\chi^2/\text{NDF}: 1117.7/29$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -36.746 ± 0.167 $\chi^2/\text{NDF}: 615.3/12$

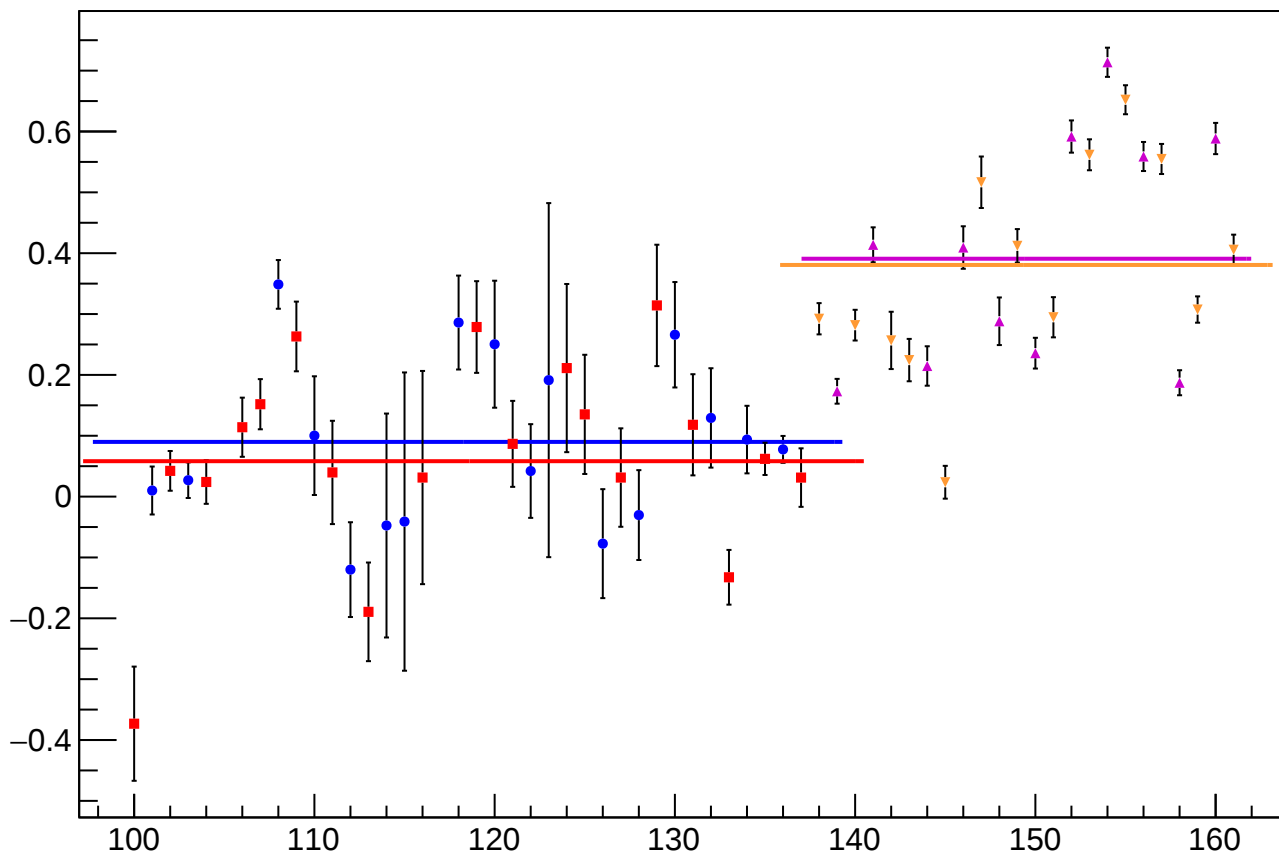
Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

Left In: -36.011 ± 0.176 $\chi^2/\text{NDF}: 666.0/10$

-35.533 ± 0.140 $\chi^2/\text{NDF}: 5439.3/29$

-34.815 ± 0.143 $\chi^2/\text{NDF}: 6845.6/29$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 78.8/16$

Left Out: 0.381 ± 0.008 $\chi^2/\text{NDF}: 490.5/12$

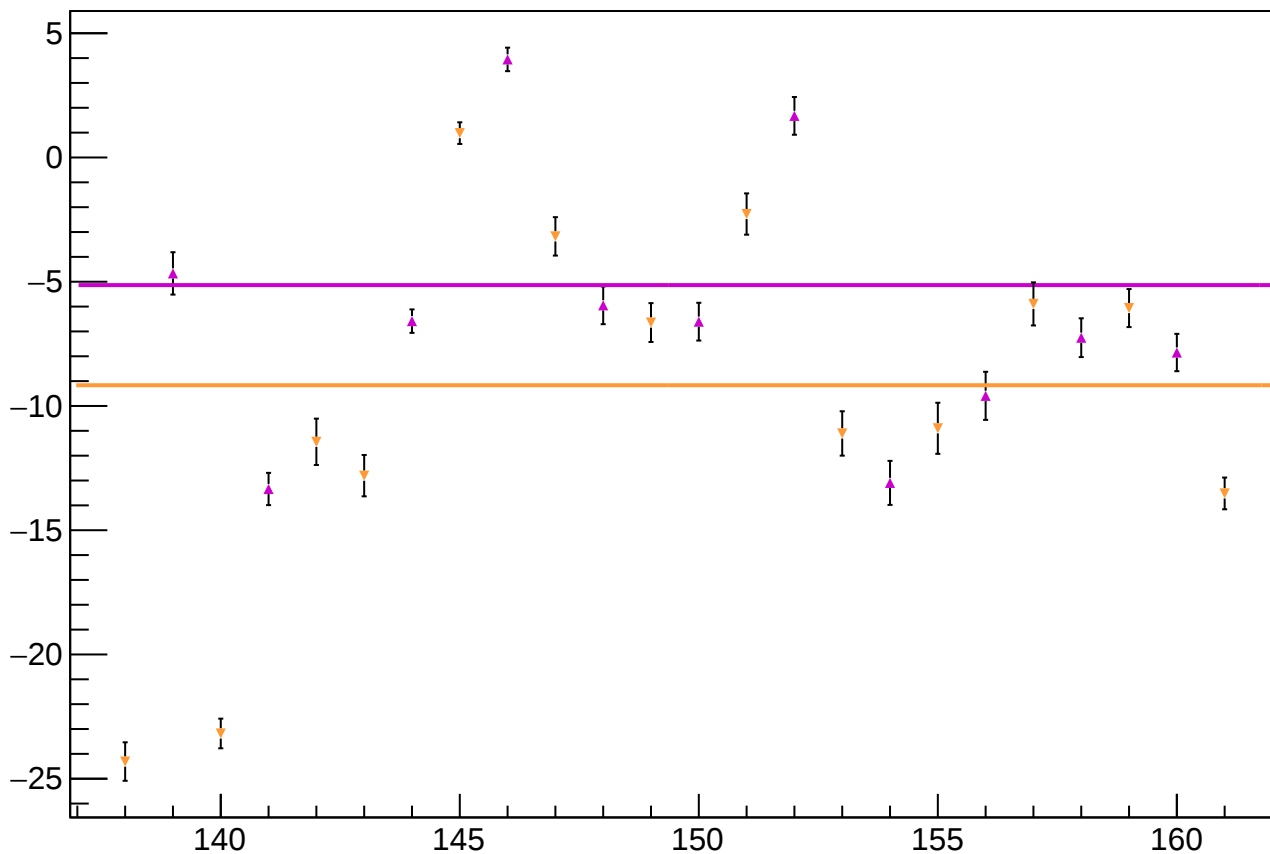
Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

Left In: 0.391 ± 0.008 $\chi^2/\text{NDF}: 634.8/10$

0.304 ± 0.007 $\chi^2/\text{NDF}: 952.9/29$

0.294 ± 0.007 $\chi^2/\text{NDF}: 1251.3/29$

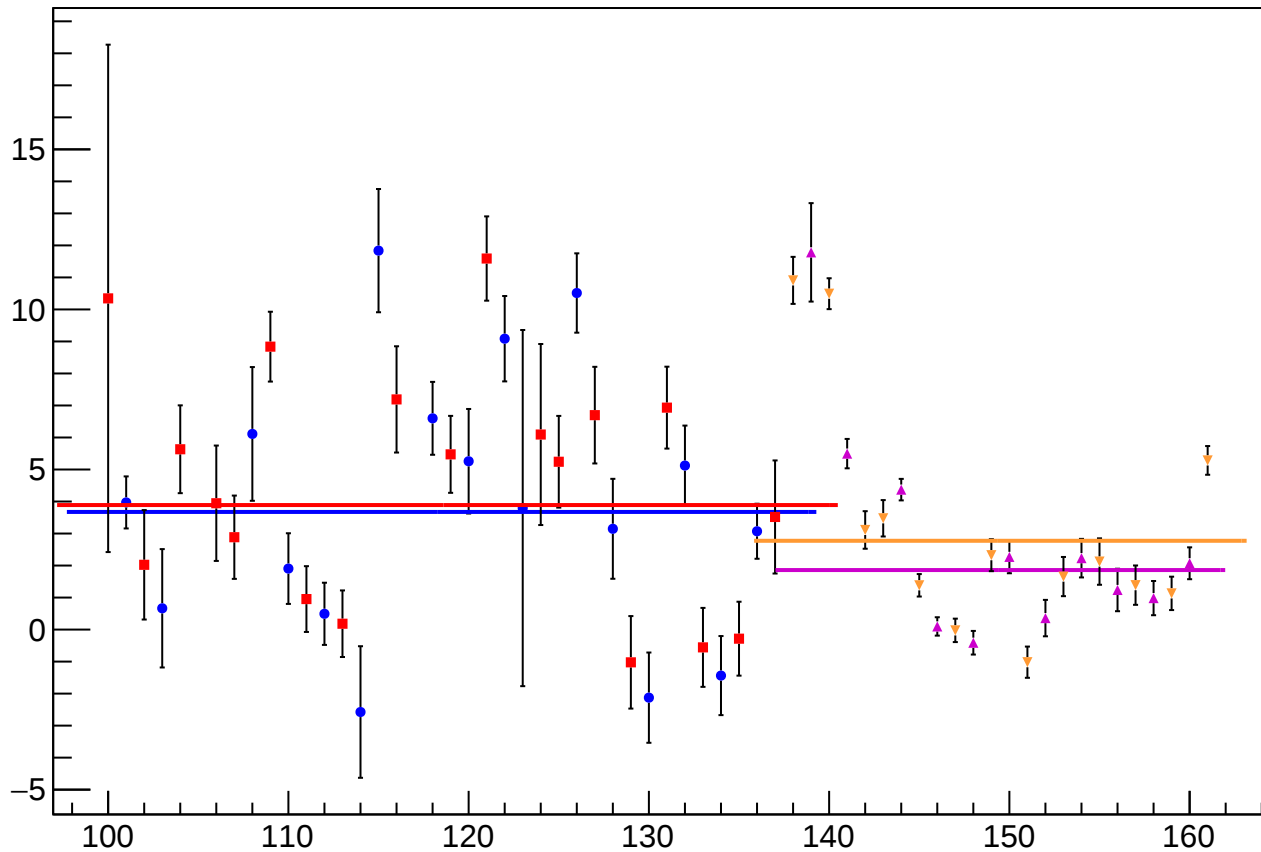
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.166+/-0.201 χ^2/NDF : 1724.4/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.135+/-0.206 χ^2/NDF : 746.4/10

-9.166+/-0.201 χ^2/NDF : 1724.4/12
 -5.135+/-0.206 χ^2/NDF : 746.4/10

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 2.774 ± 0.139 χ^2/NDF : 566.3/12

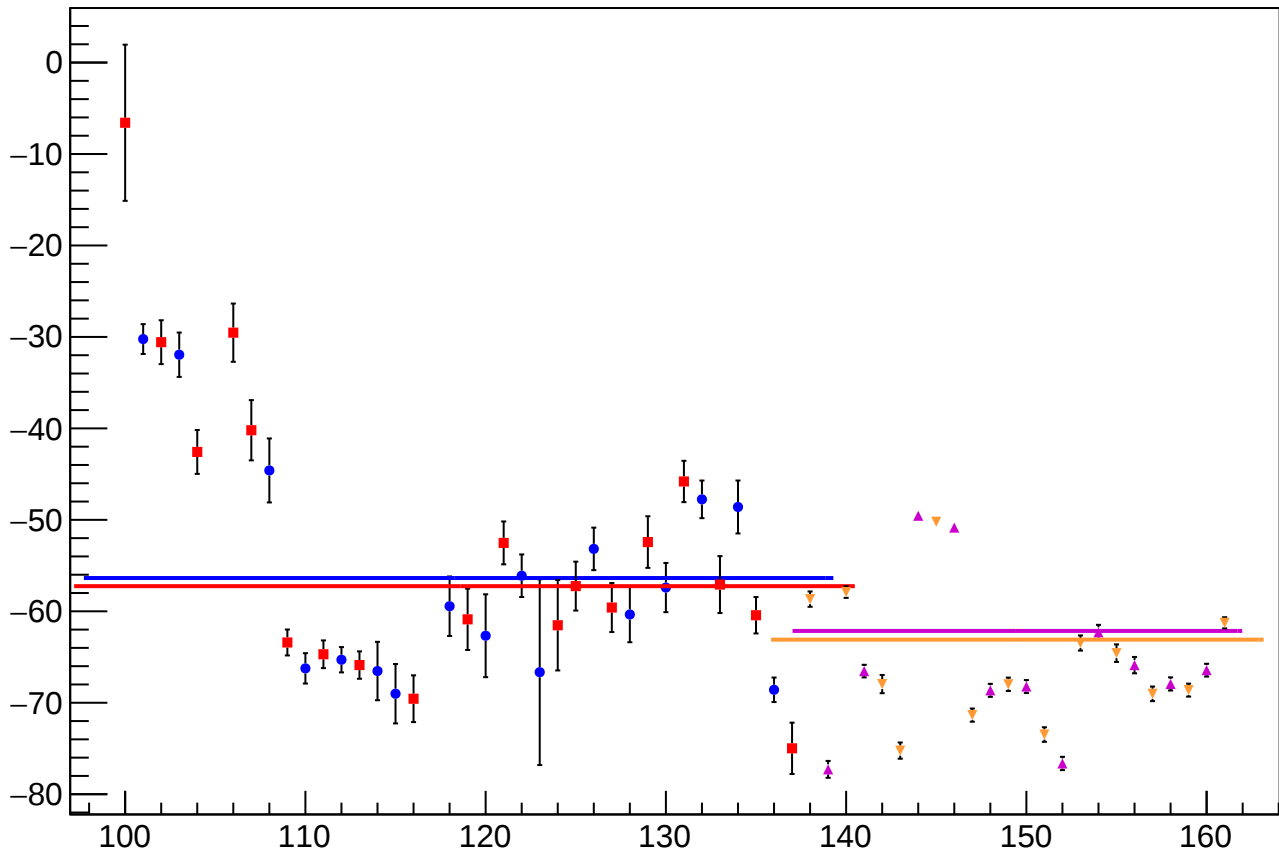
Right Out: 3.890 ± 0.316 χ^2/NDF : 133.7/18

Left In: 1.859 ± 0.137 χ^2/NDF : 247.5/10

2.924 ± 0.127 χ^2/NDF : 708.5/29

2.182 ± 0.126 χ^2/NDF : 416.0/29

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -63.099 ± 0.200 χ^2/NDF : 1550.6/12

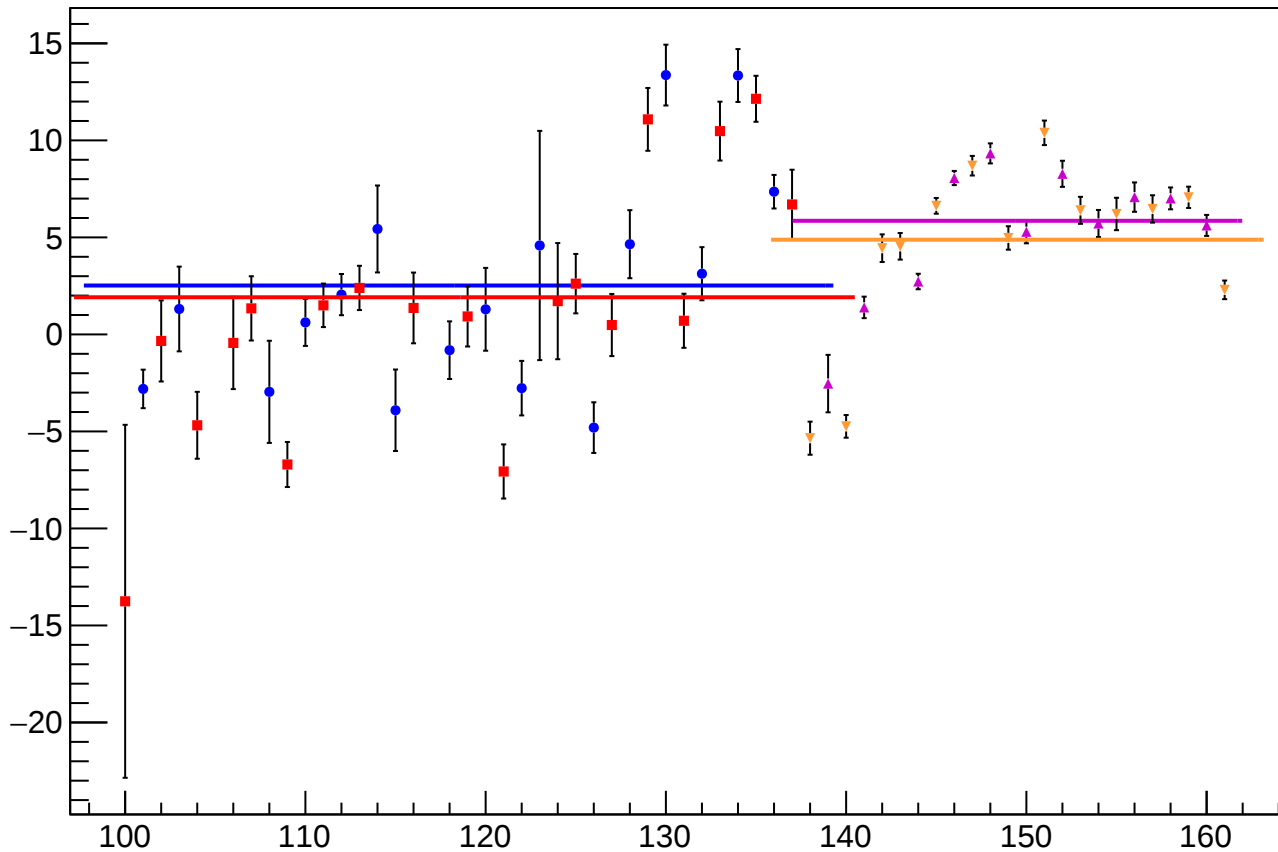
Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

Left In: -62.146 ± 0.202 χ^2/NDF : 2223.0/10

-62.294 ± 0.188 χ^2/NDF : 2273.2/29

-61.539 ± 0.189 χ^2/NDF : 2772.0/29

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 $\chi^2/\text{NDF}: 242.3/16$

4.447 ± 0.149 $\chi^2/\text{NDF}: 904.6/29$

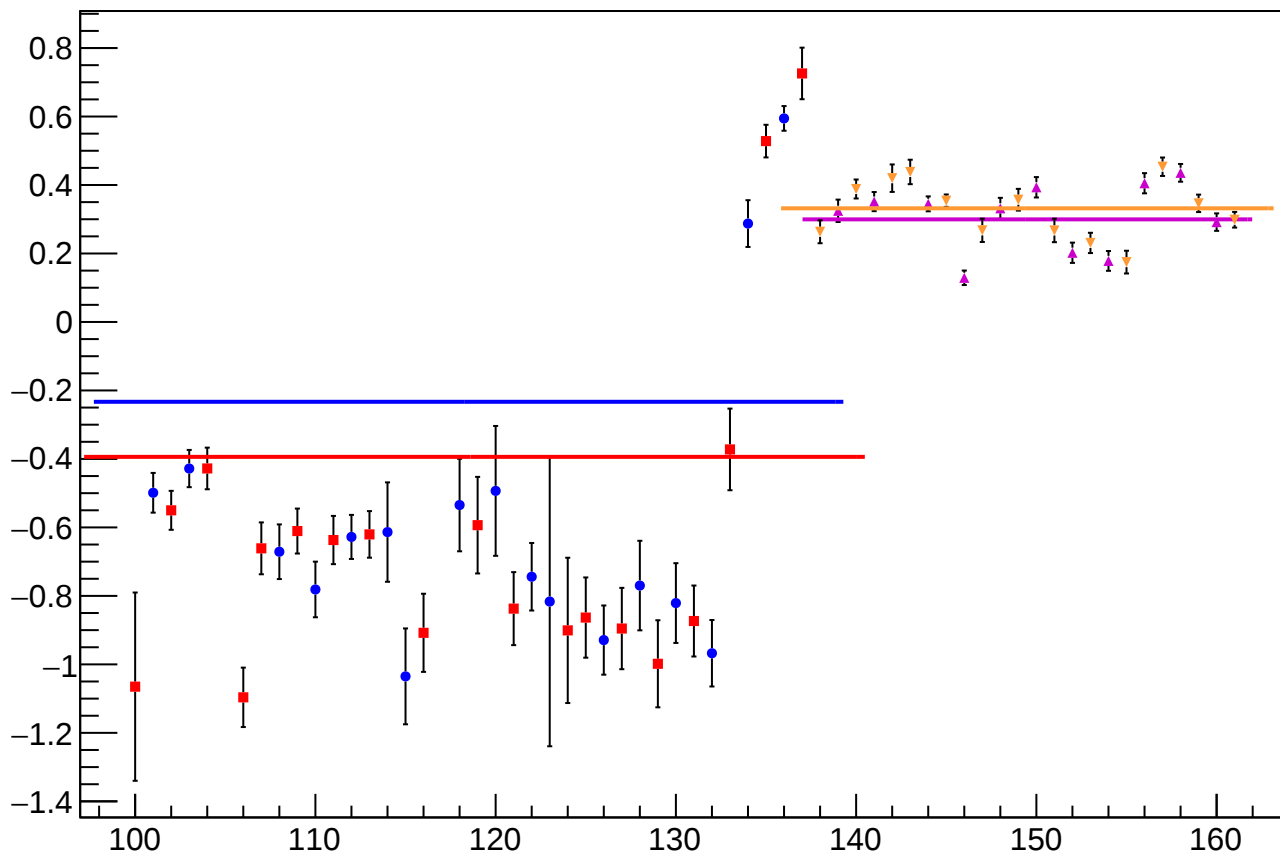
Left Out: 4.881 ± 0.165 $\chi^2/\text{NDF}: 624.5/12$

5.154 ± 0.150 $\chi^2/\text{NDF}: 627.1/29$

Right Out: 1.914 ± 0.355 $\chi^2/\text{NDF}: 264.5/18$

Left In: 5.856 ± 0.165 $\chi^2/\text{NDF}: 261.2/10$

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.332 ± 0.008 χ^2/NDF : 88.1/12

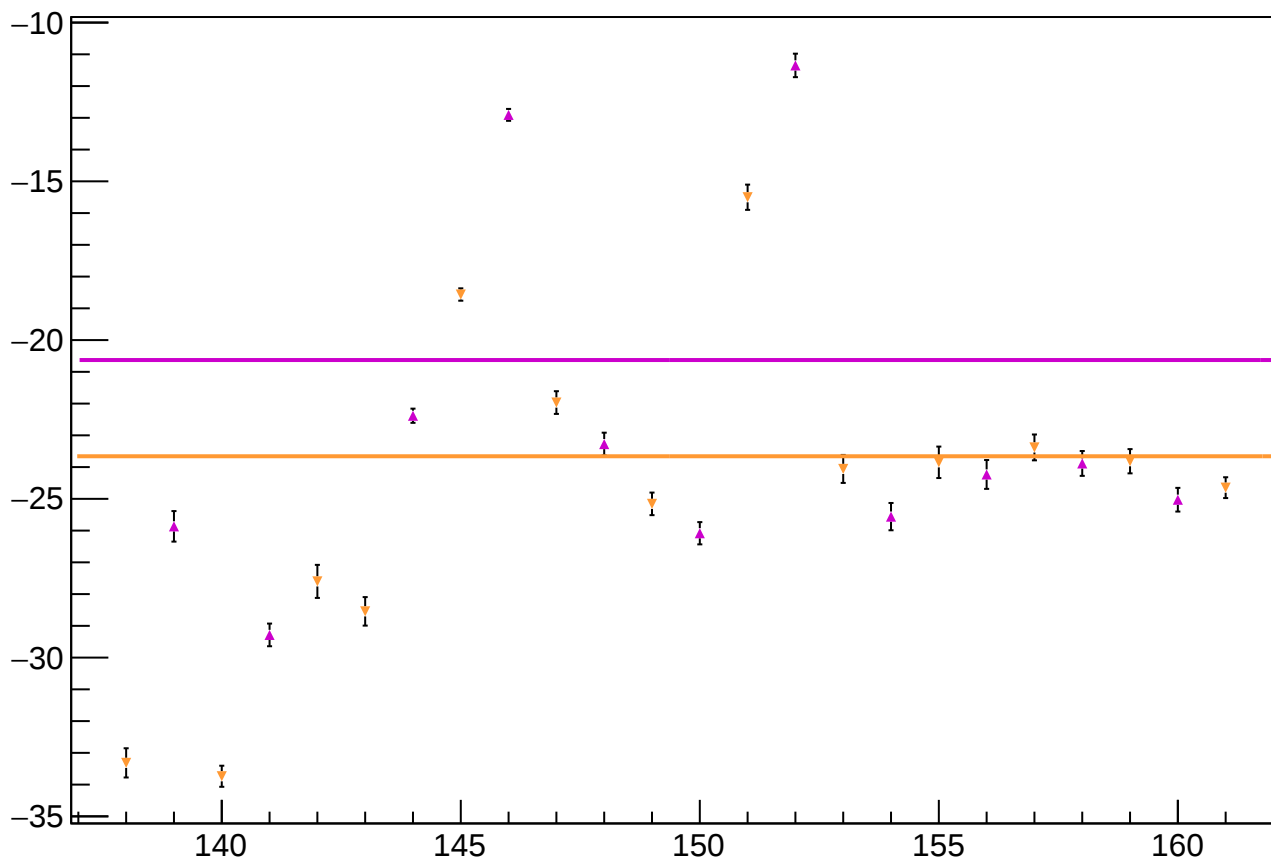
Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

Left In: 0.300 ± 0.008 χ^2/NDF : 153.3/10

0.249 ± 0.007 χ^2/NDF : 1806.9/29

0.193 ± 0.007 χ^2/NDF : 2127.6/29

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -23.659 $\pm$ 0.099 χ^2 /NDF:2693.5/12

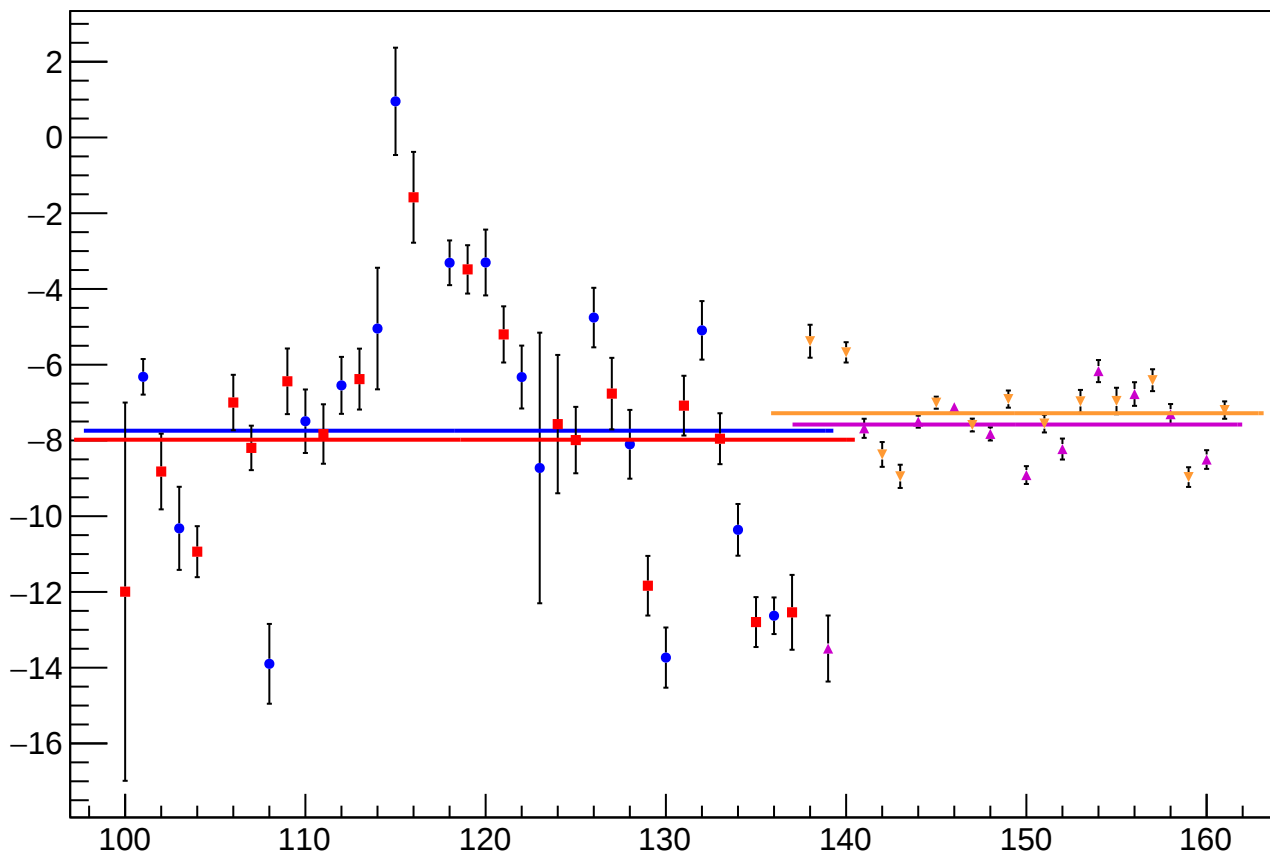
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -20.628 $\pm$ 0.096 χ^2 /NDF:3794.9/10

-23.659 $\pm$ 0.099 χ^2 /NDF: 2693.5/12

-20.628 $\pm$ 0.096 χ^2 /NDF: 3794.9/10

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743+/-0.187 χ^2/NDF : 377.5/16

Left Out: -7.281+/-0.068 χ^2/NDF : 159.3/12

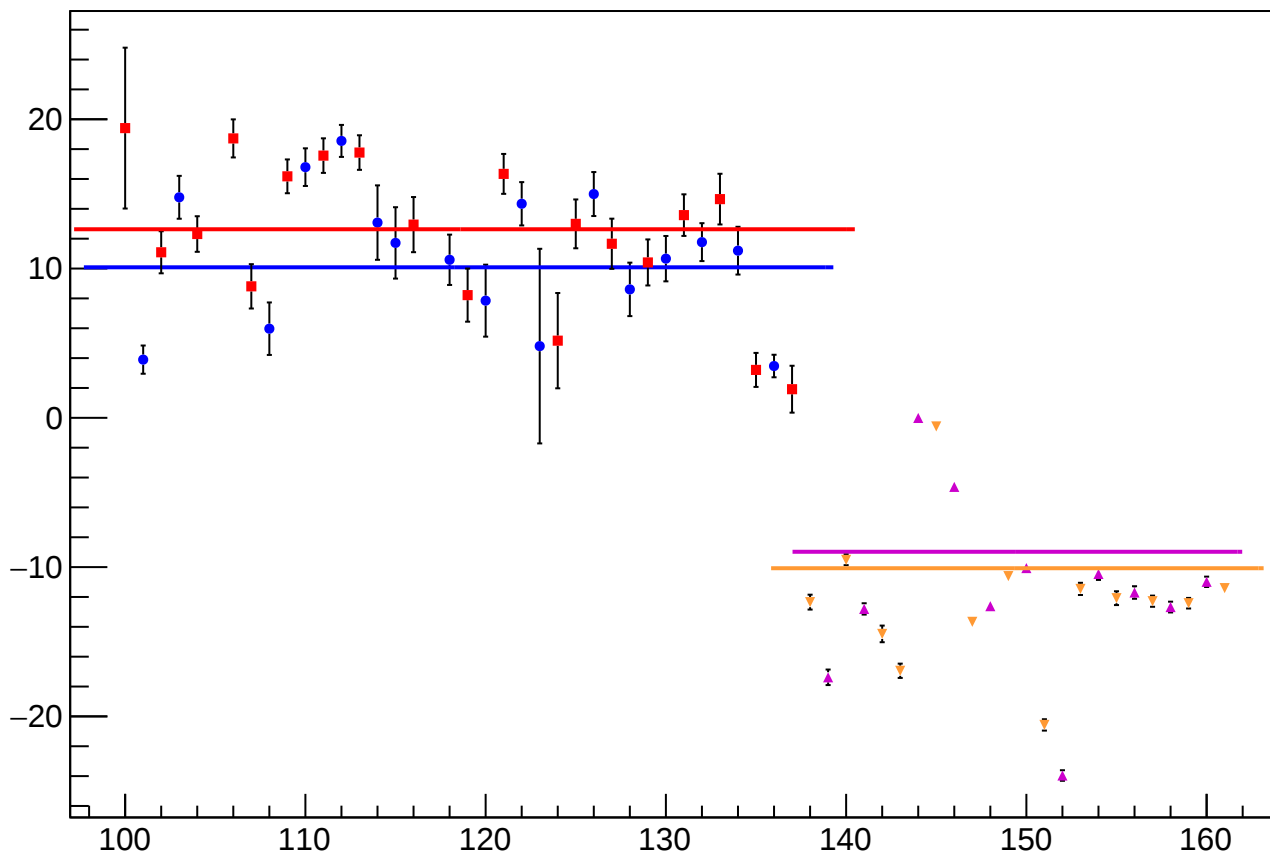
Right Out: -7.981+/-0.186 χ^2/NDF : 223.5/18

Left In: -7.580+/-0.064 χ^2/NDF : 146.3/10

-7.335+/-0.064 χ^2/NDF : 542.2/29

-7.622+/-0.060 χ^2/NDF : 374.0/29

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -10.075 ± 0.098 χ^2/NDF : 3421.8/12

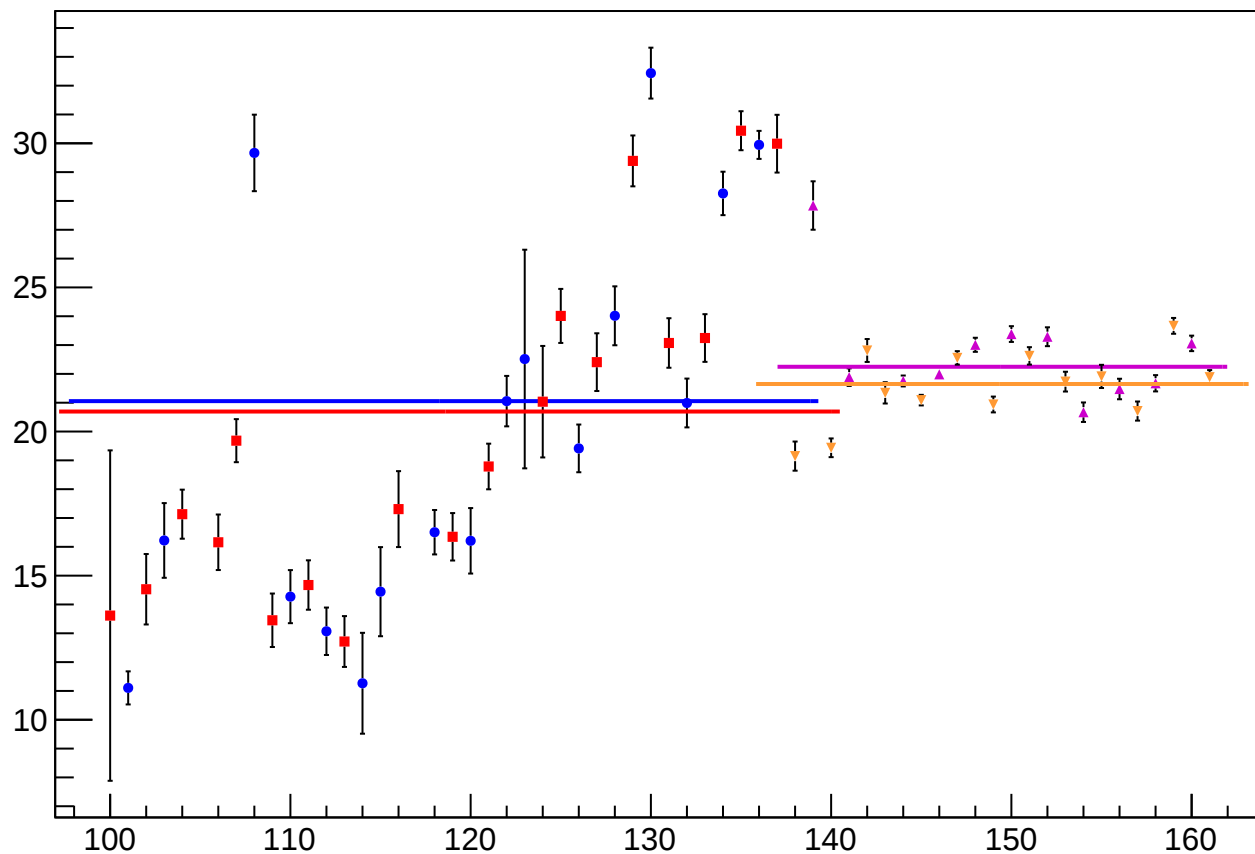
Right Out: 12.632 ± 0.333 χ^2/NDF : 218.6/18

Left In: -8.973 ± 0.094 χ^2/NDF : 4457.9/10

-8.510 ± 0.094 χ^2/NDF : 6956.7/29

-7.371 ± 0.091 χ^2/NDF : 8581.5/29

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: 21.649 ± 0.081 $\chi^2/\text{NDF}: 185.0/12$

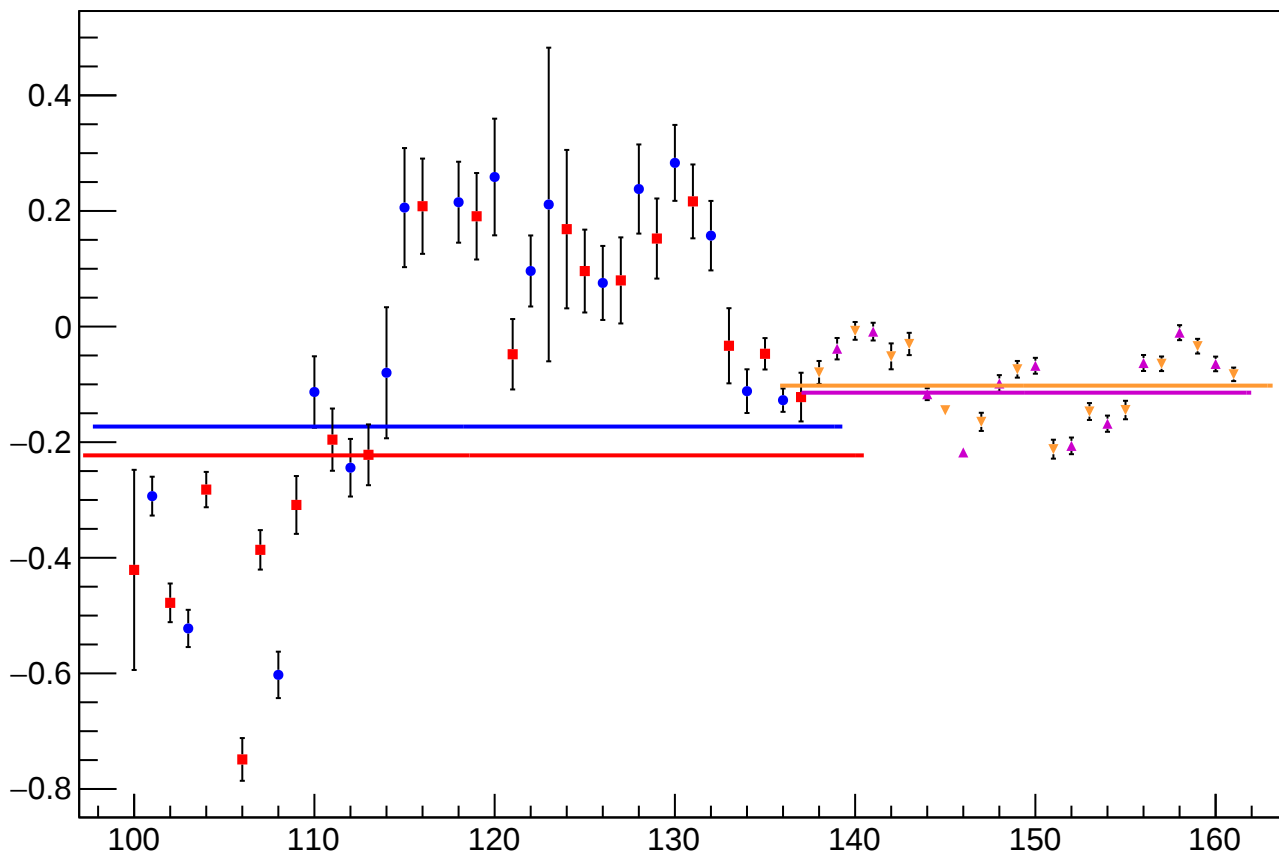
Right Out: 20.694 ± 0.213 $\chi^2/\text{NDF}: 724.1/18$

Left In: 22.247 ± 0.077 $\chi^2/\text{NDF}: 132.5/10$

21.573 ± 0.076 $\chi^2/\text{NDF}: 1403.7/29$

22.067 ± 0.072 $\chi^2/\text{NDF}: 903.7/29$

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.102 ± 0.004 χ^2/NDF : 207.6/12

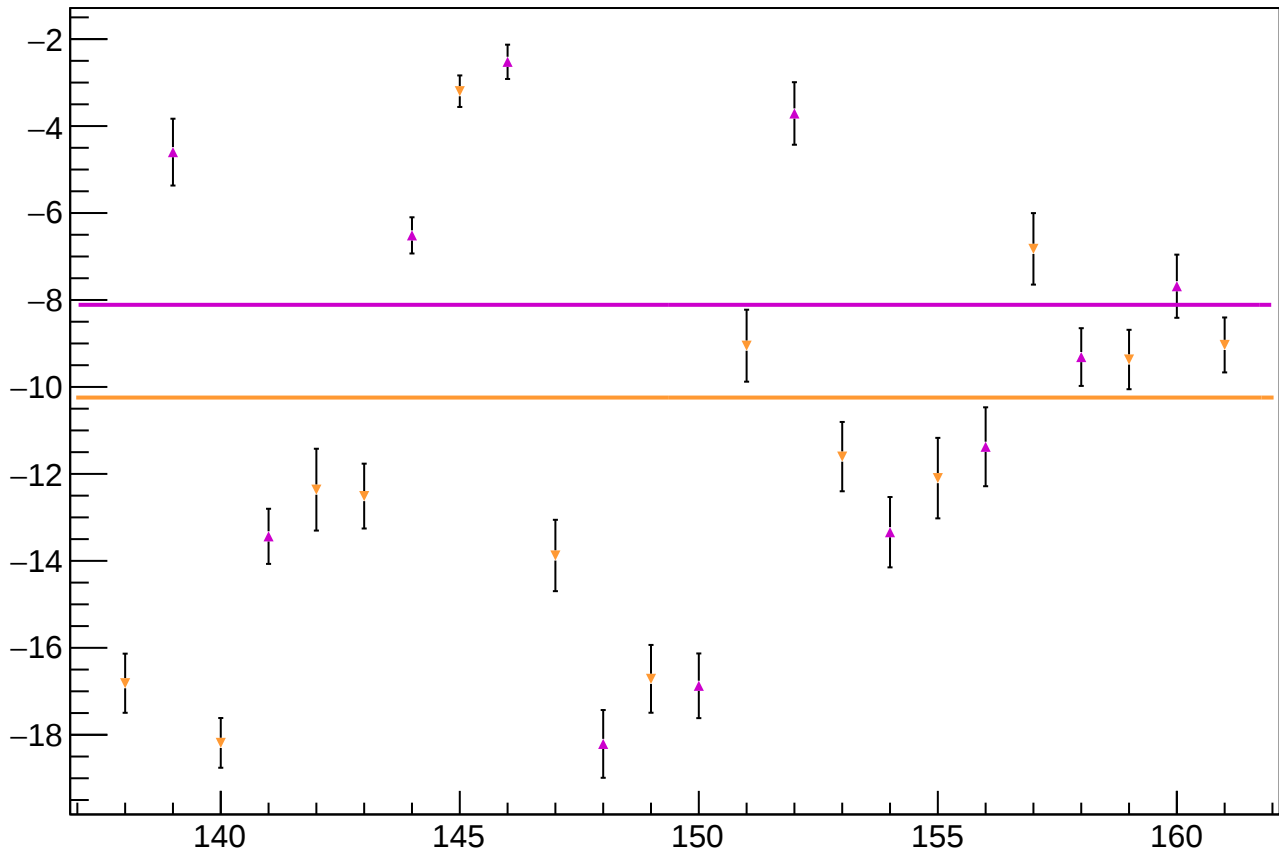
Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

Left In: -0.114 ± 0.004 χ^2/NDF : 375.4/10

-0.110 ± 0.004 χ^2/NDF : 705.2/29

-0.126 ± 0.004 χ^2/NDF : 997.8/29

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -10.244+/-0.185 χ^2/NDF : 797.8/12

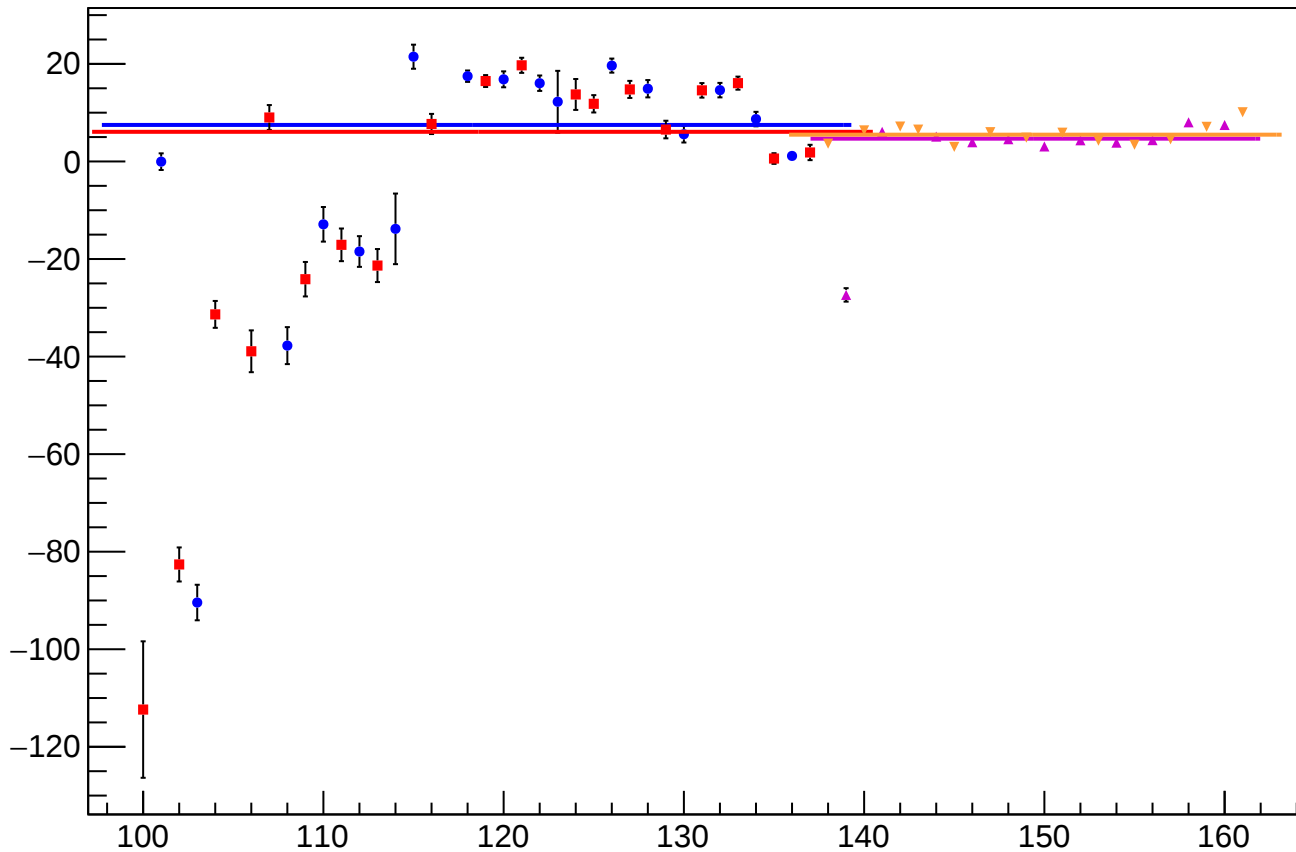
-10.244+/-0.185 χ^2/NDF : 797.8/12

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

Left In: -8.111+/-0.187 χ^2/NDF : 709.4/10

-8.111+/-0.187 χ^2/NDF : 709.4/10

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 5.492 ± 0.130 χ^2/NDF : 240.7/12

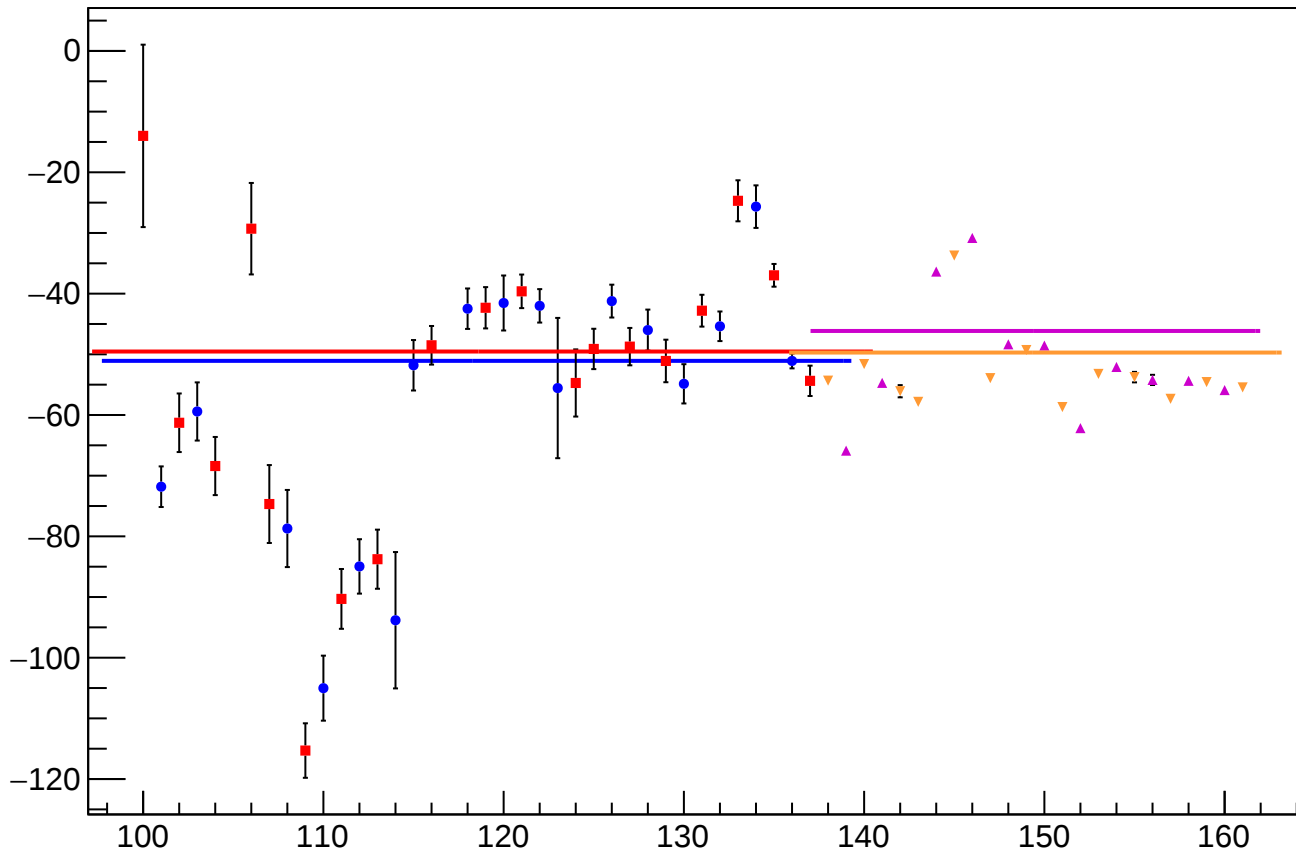
Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

Left In: 4.672 ± 0.127 χ^2/NDF : 659.3/10

5.678 ± 0.124 χ^2/NDF : 1603.0/29

4.783 ± 0.122 χ^2/NDF : 2181.0/29

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -49.708 ± 0.185 χ^2/NDF : 2350.4/12

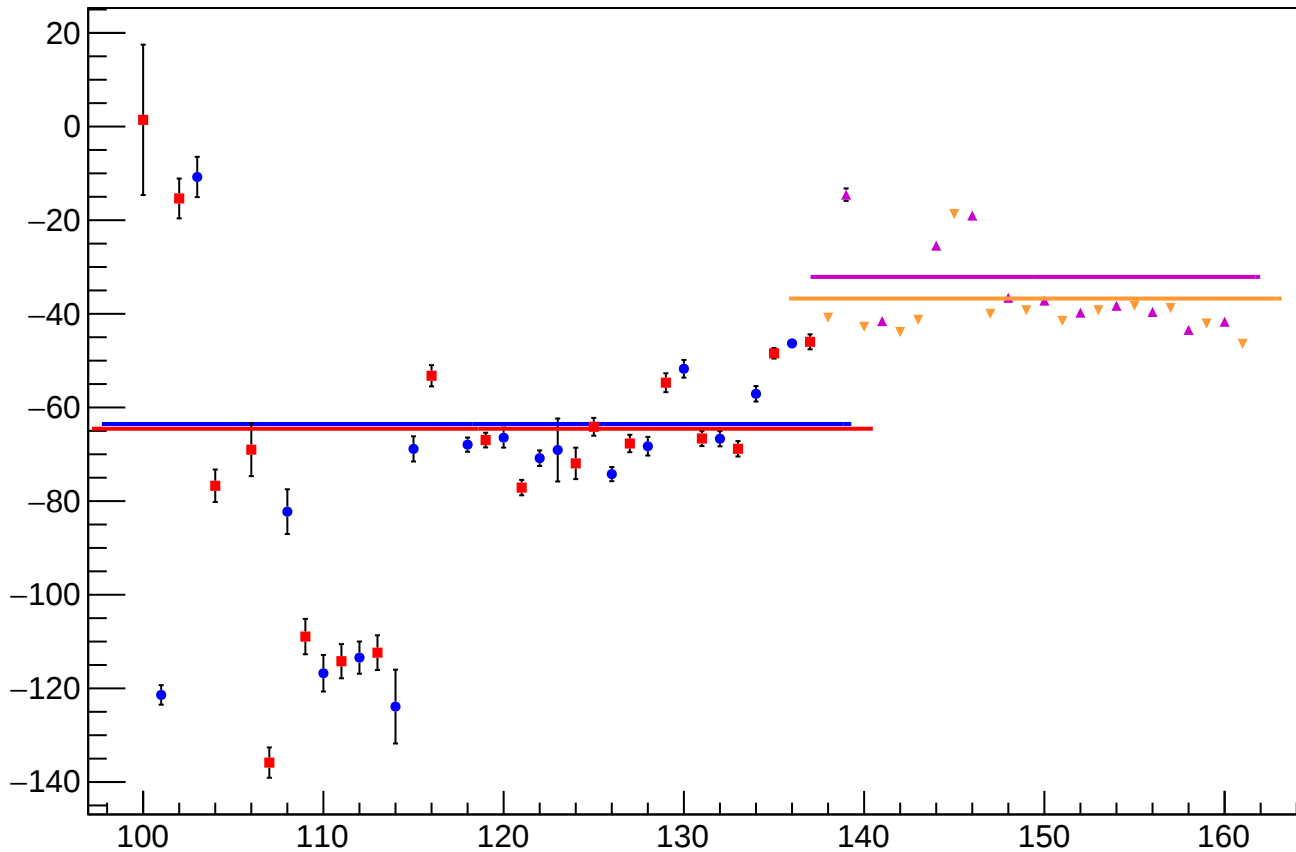
Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

Left In: -46.149 ± 0.184 χ^2/NDF : 3937.4/10

-49.789 ± 0.180 χ^2/NDF : 2683.8/29

-46.319 ± 0.179 χ^2/NDF : 4464.1/29

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -36.733 ± 0.153 χ^2/NDF : 3892.6/12

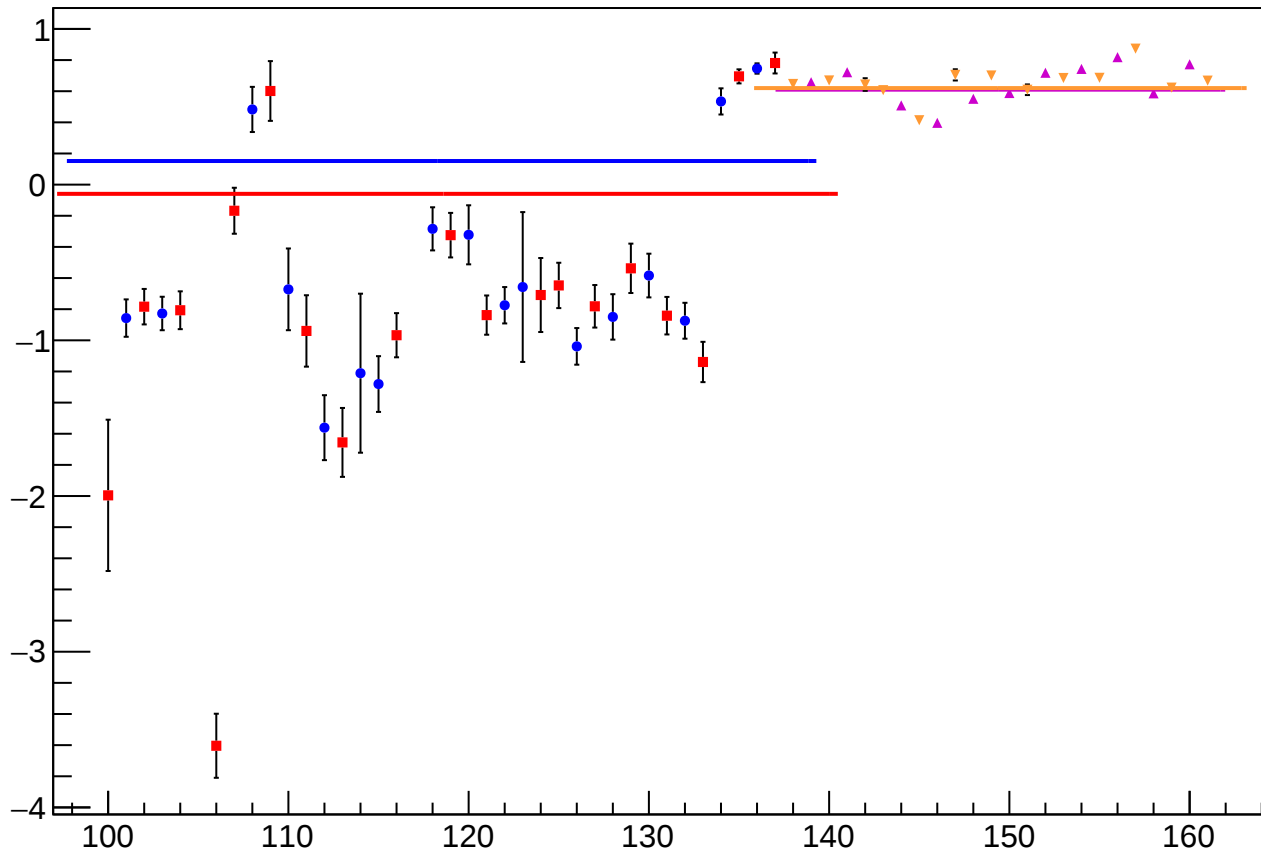
Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

Left In: -32.116 ± 0.151 χ^2/NDF : 3959.8/10

-39.539 ± 0.145 χ^2/NDF : 9095.8/29

-35.021 ± 0.145 χ^2/NDF : 9666.3/29

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.620 ± 0.007 χ^2/NDF : 315.5/12

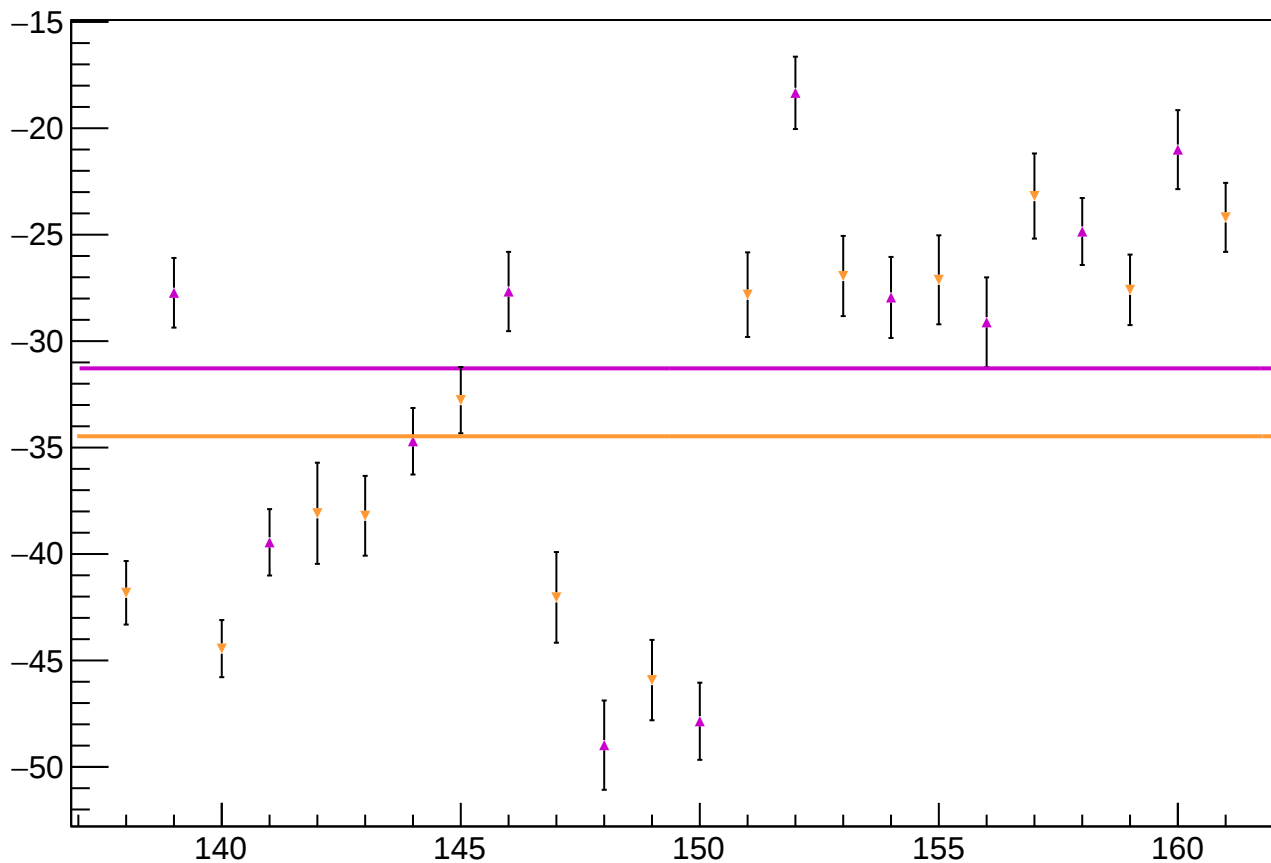
Right Out: -0.059 ± 0.026 χ^2/NDF : 1161.9/18

Left In: 0.610 ± 0.007 χ^2/NDF : 335.8/10

0.581 ± 0.007 χ^2/NDF : 1651.0/29

0.561 ± 0.007 χ^2/NDF : 2097.9/29

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -34.469 $\pm$ 0.491 χ^2 /NDF: 265.4/12

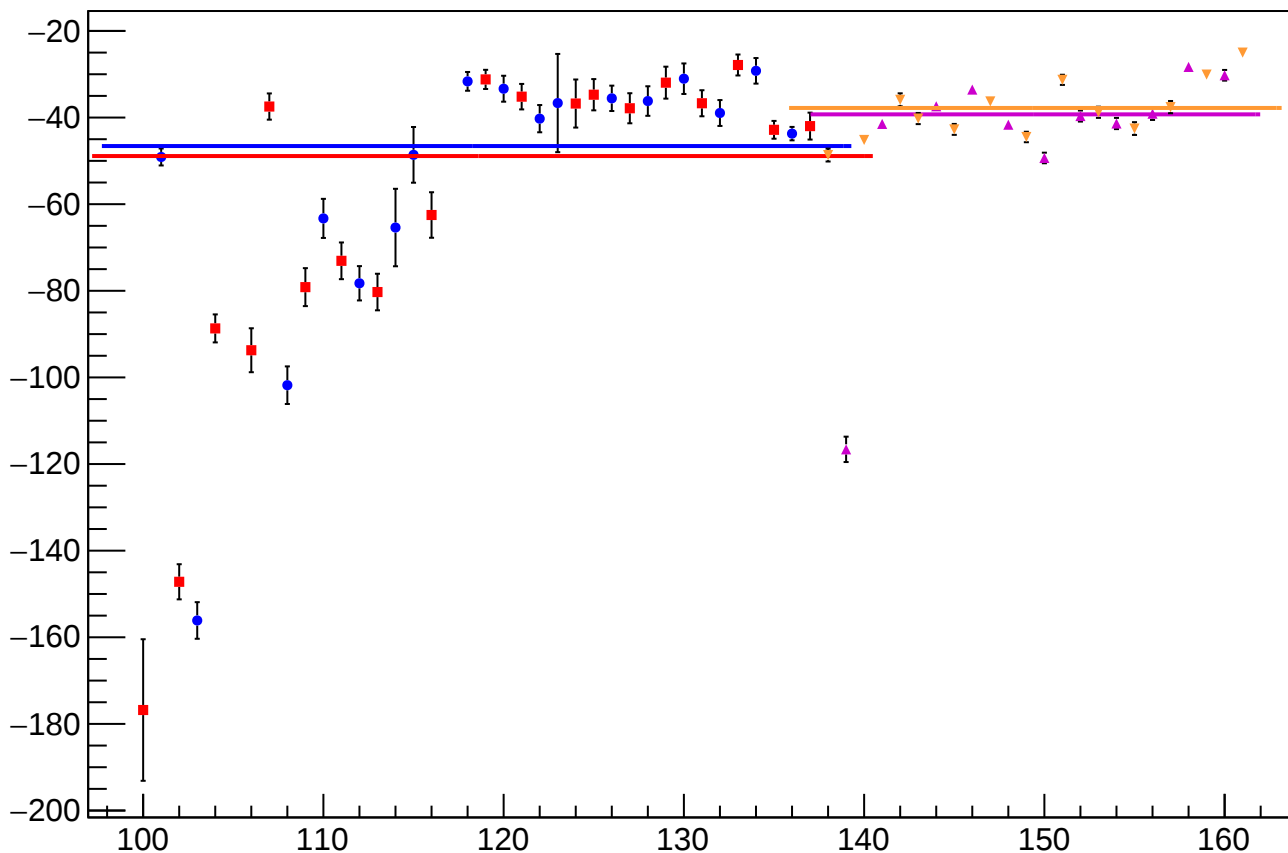
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -31.279 $\pm$ 0.530 χ^2 /NDF: 305.2/10

-34.469 $\pm$ 0.491 χ^2 /NDF: 265.4/12

-31.279 $\pm$ 0.530 χ^2 /NDF: 305.2/10

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -37.783 ± 0.344 χ^2/NDF : 366.3/12

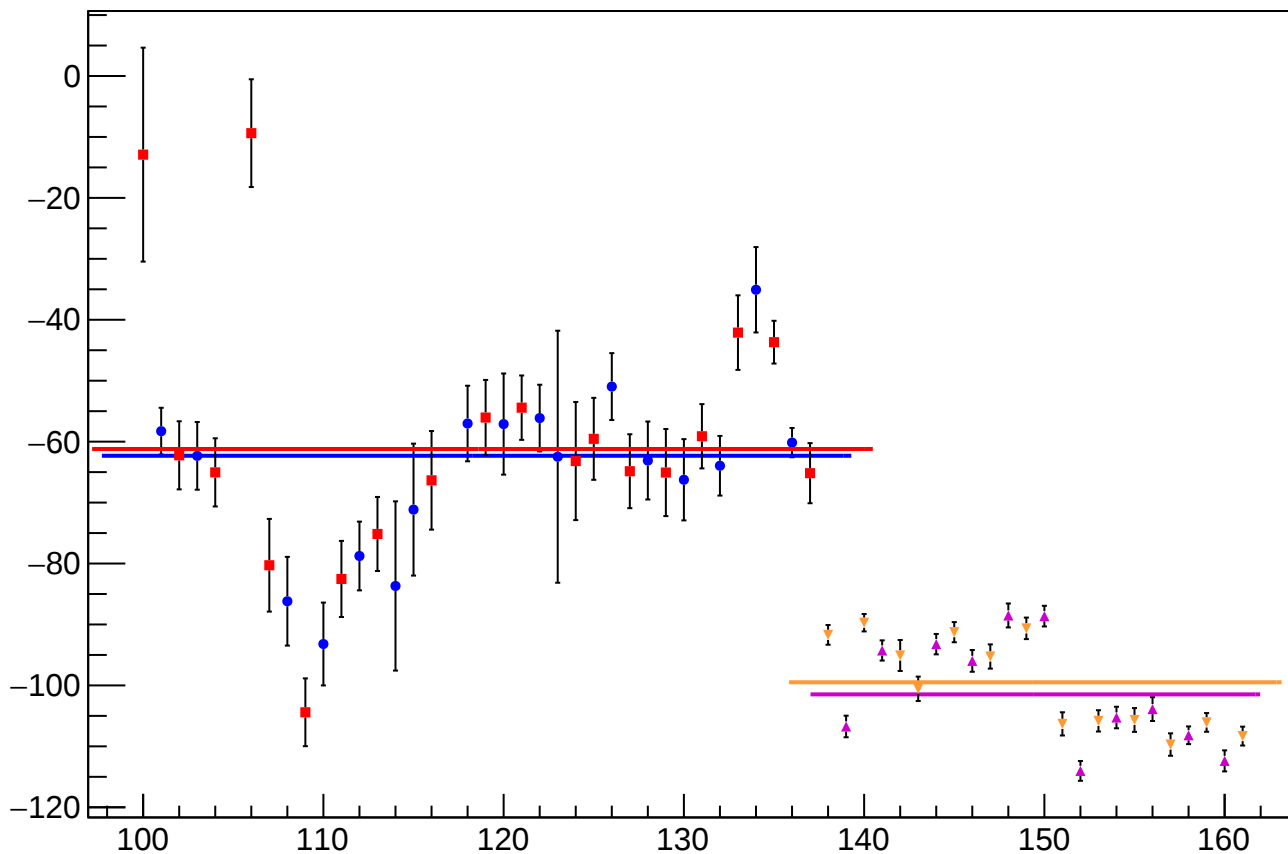
Right Out: -48.888 ± 0.763 χ^2/NDF : 1277.5/18

Left In: -39.262 ± 0.370 χ^2/NDF : 960.9/10

-39.384 ± 0.311 χ^2/NDF : 1561.5/29

-41.090 ± 0.333 χ^2/NDF : 2367.1/29

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -99.483 ± 0.487 χ^2/NDF : 245.4/12

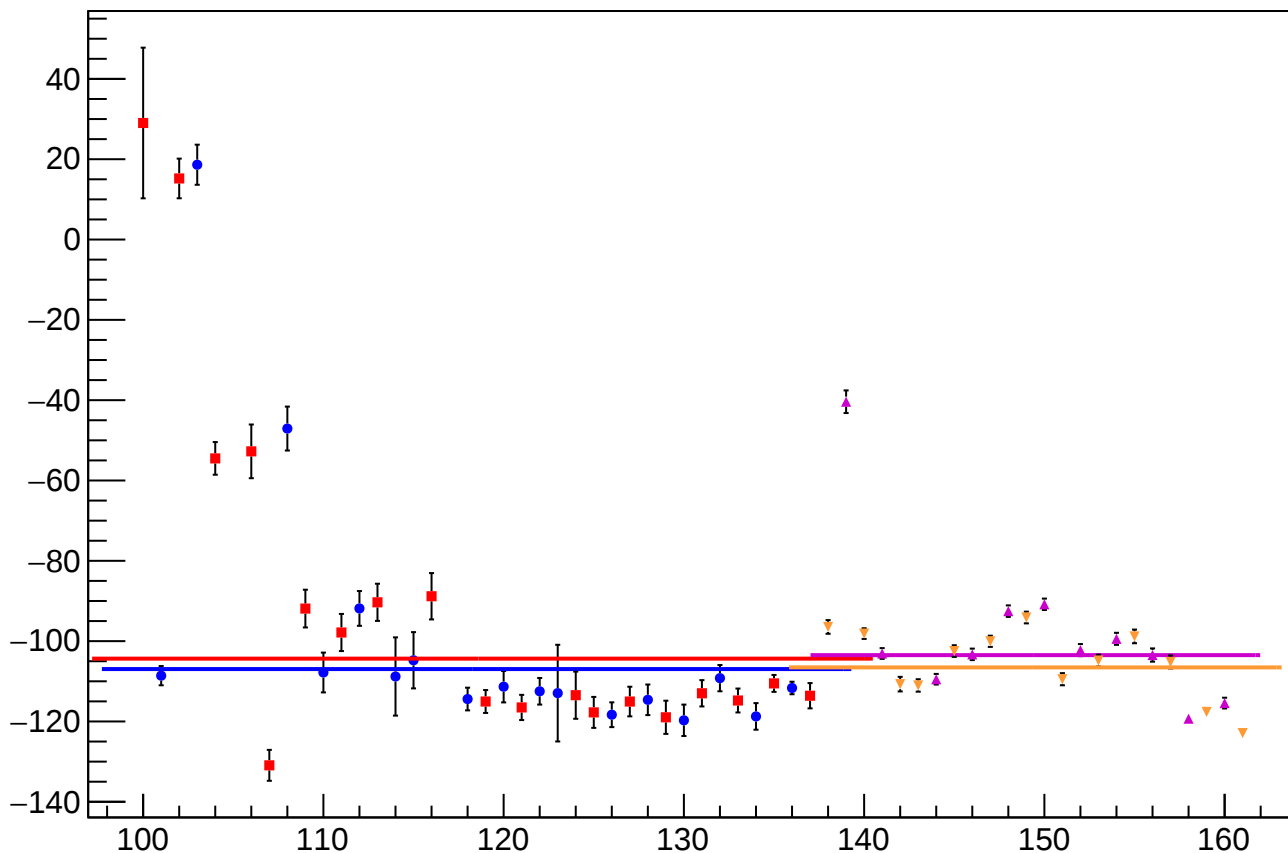
Right Out: -61.203 ± 1.381 χ^2/NDF : 165.0/18

Left In: -101.470 ± 0.518 χ^2/NDF : 289.4/10

-95.005 ± 0.457 χ^2/NDF : 1014.5/29

-96.508 ± 0.485 χ^2/NDF : 1199.8/29

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -106.536 ± 0.405 $\chi^2/\text{NDF}: 484.4/12$

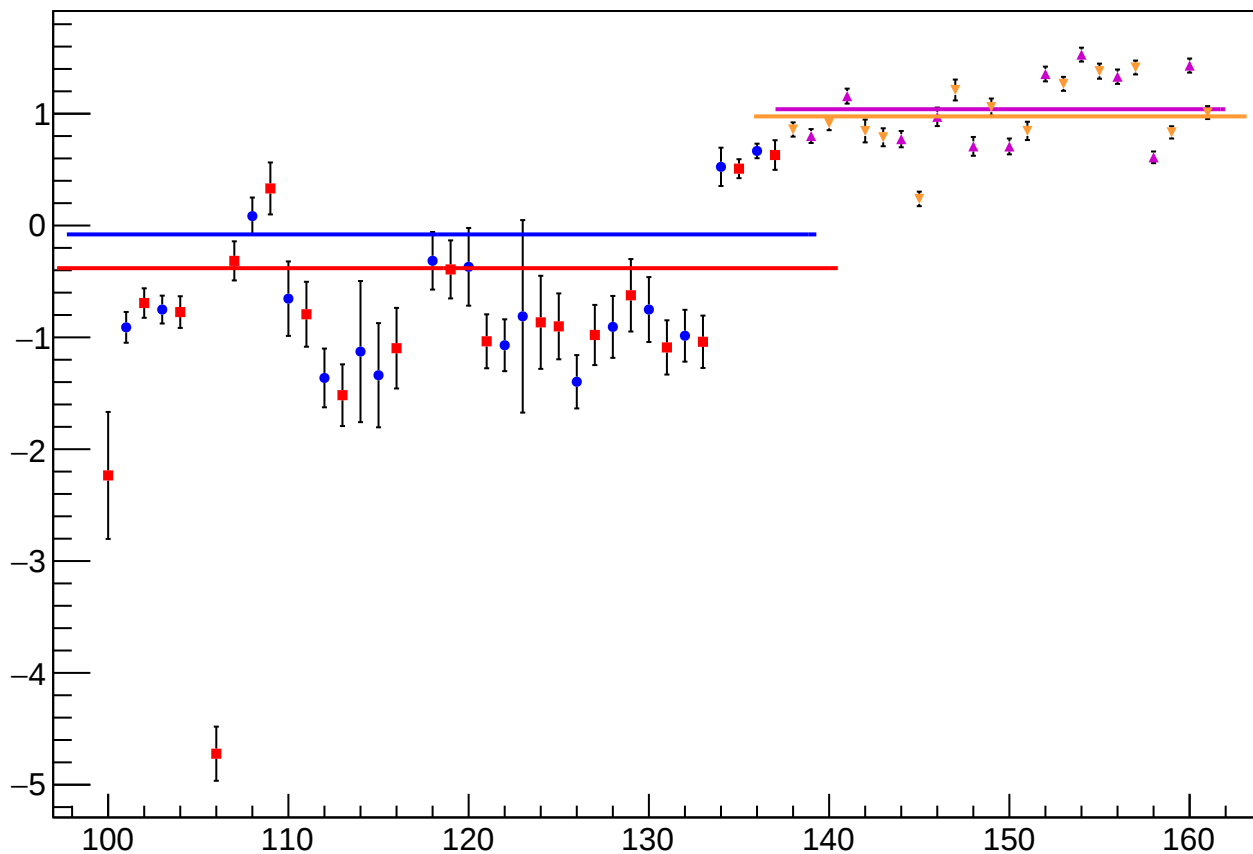
Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

Left In: -103.483 ± 0.434 $\chi^2/\text{NDF}: 940.1/10$

-106.618 ± 0.363 $\chi^2/\text{NDF}: 1311.9/29$

-103.659 ± 0.388 $\chi^2/\text{NDF}: 1961.9/29$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.976 ± 0.019 χ^2/NDF : 265.1/12

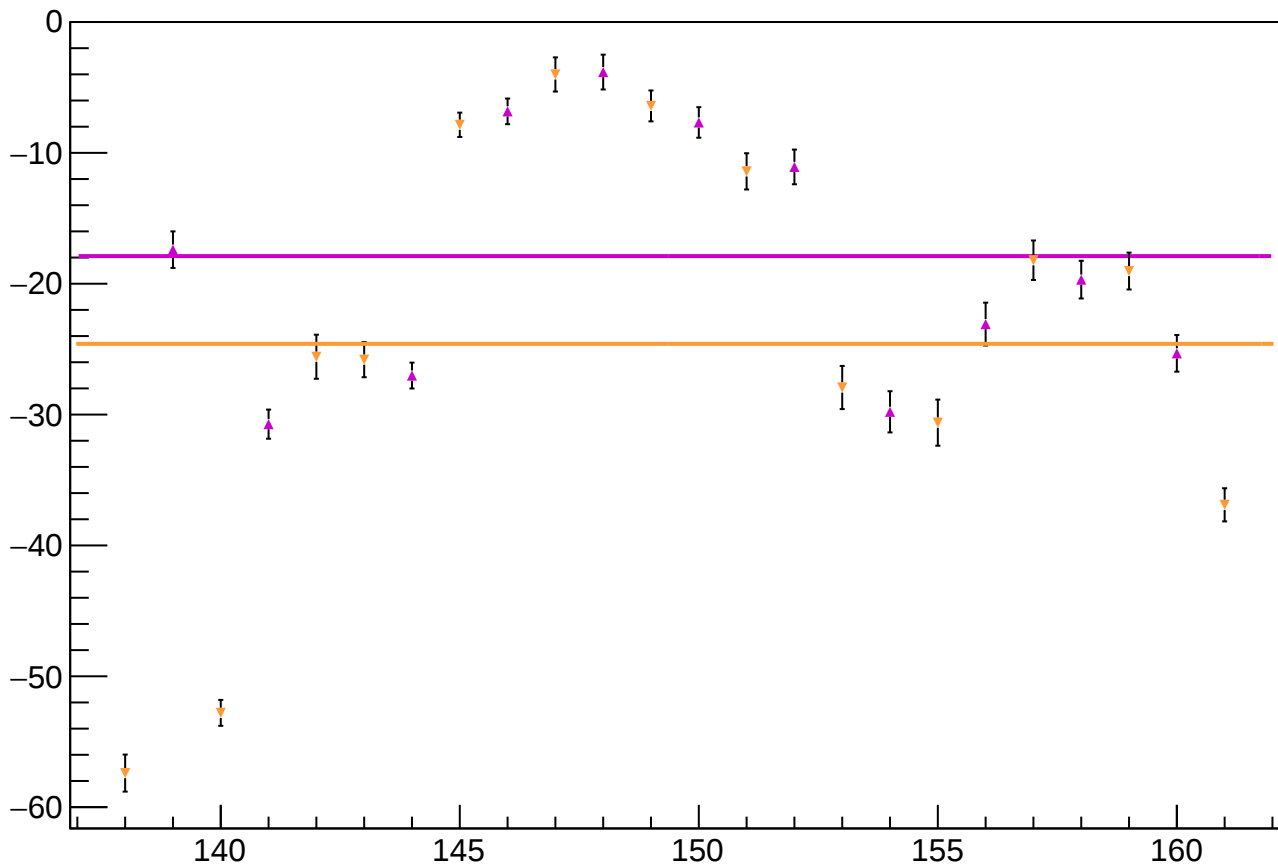
Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

Left In: 1.040 ± 0.020 χ^2/NDF : 281.0/10

0.799 ± 0.017 χ^2/NDF : 1112.7/29

0.797 ± 0.018 χ^2/NDF : 1726.1/29

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -24.594+/-0.361 χ^2/NDF : 2394.9/12

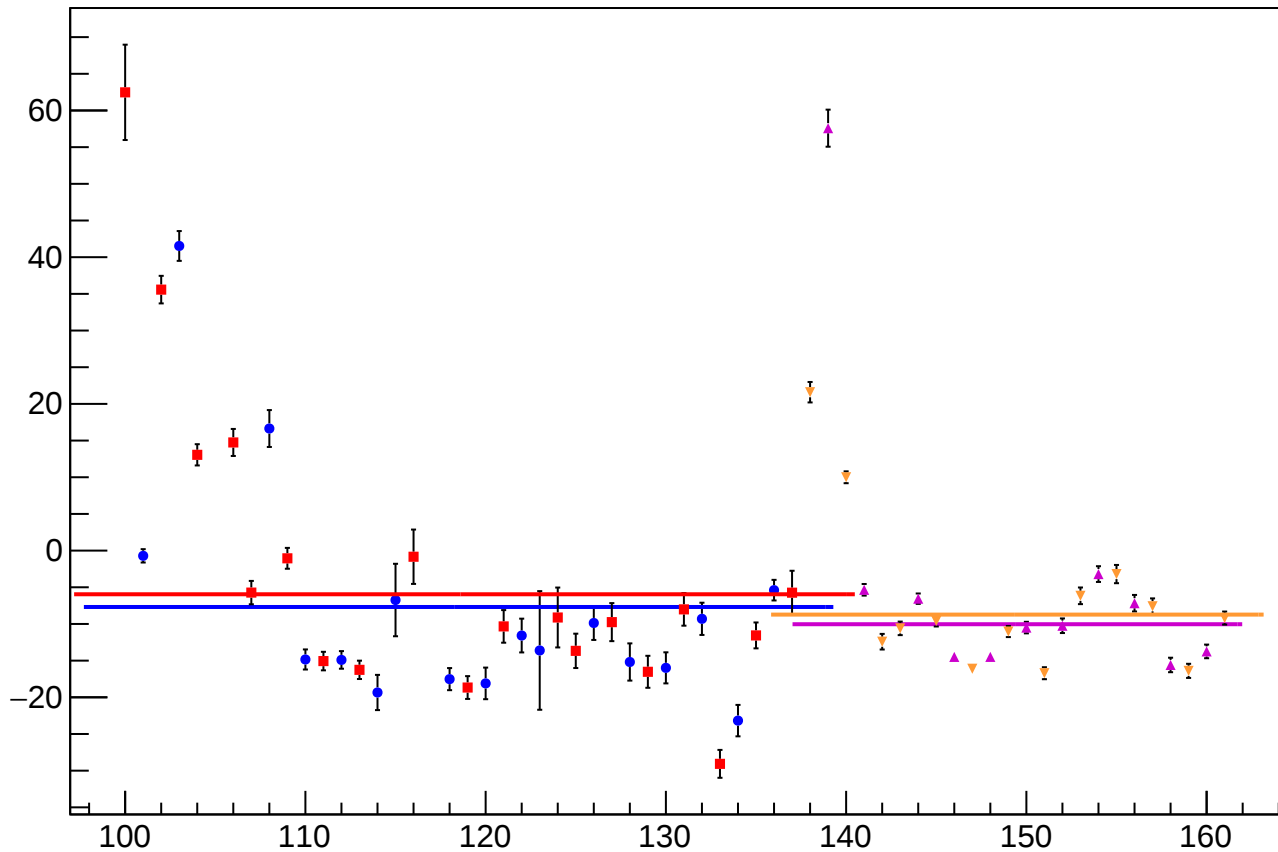
-24.594+/-0.361 χ^2/NDF : 2394.9/12

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

-17.889+/-0.377 χ^2/NDF : 657.8/10

Left In: -17.889+/-0.377 χ^2/NDF : 657.8/10

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -8.725 ± 0.248 χ^2/NDF : 1361.7/12

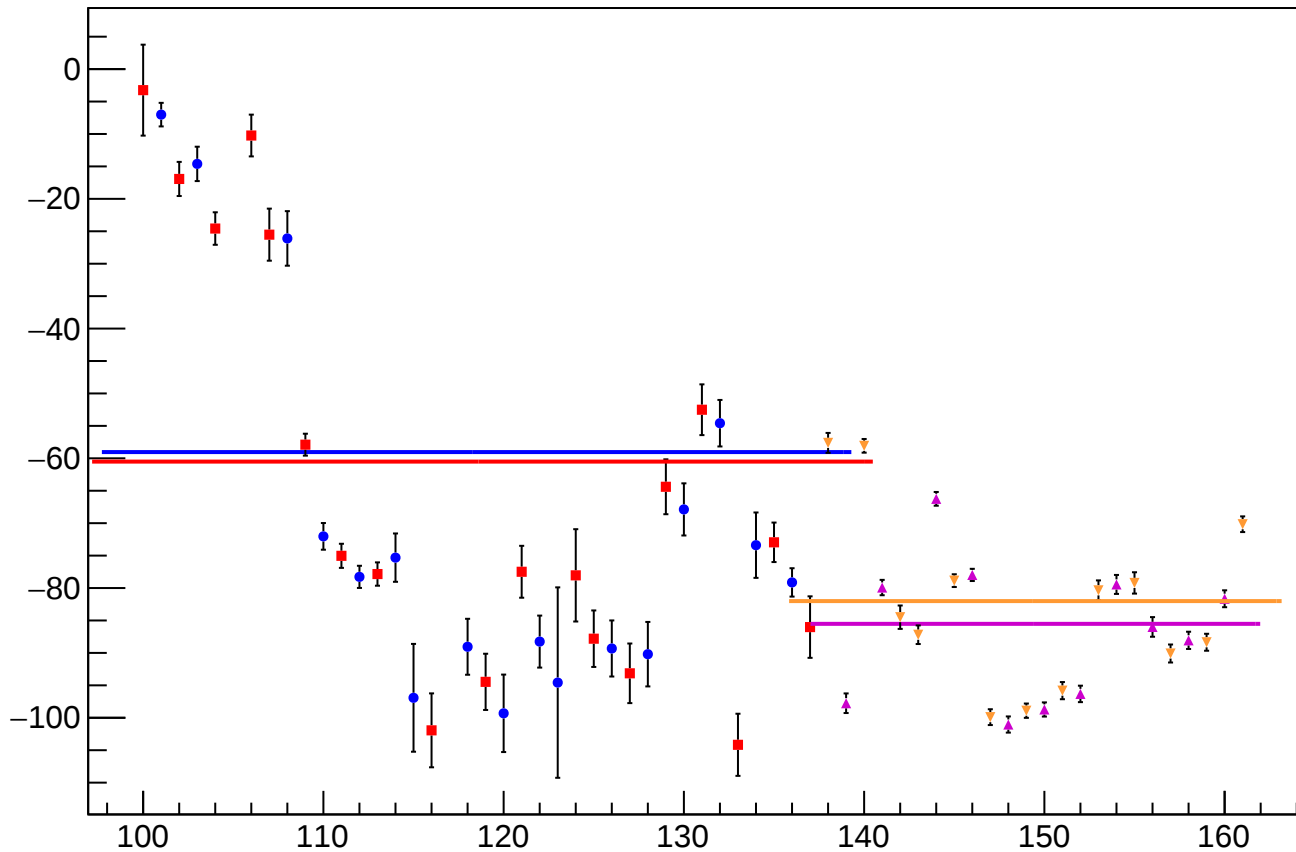
Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

Left In: -10.036 ± 0.256 χ^2/NDF : 969.9/10

-8.466 ± 0.215 χ^2/NDF : 2342.1/29

-8.962 ± 0.220 χ^2/NDF : 2334.8/29

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039±/0.746 χ^2/NDF : 1709.5/16

Left Out: -82.012±/0.358 χ^2/NDF :1509.7/12

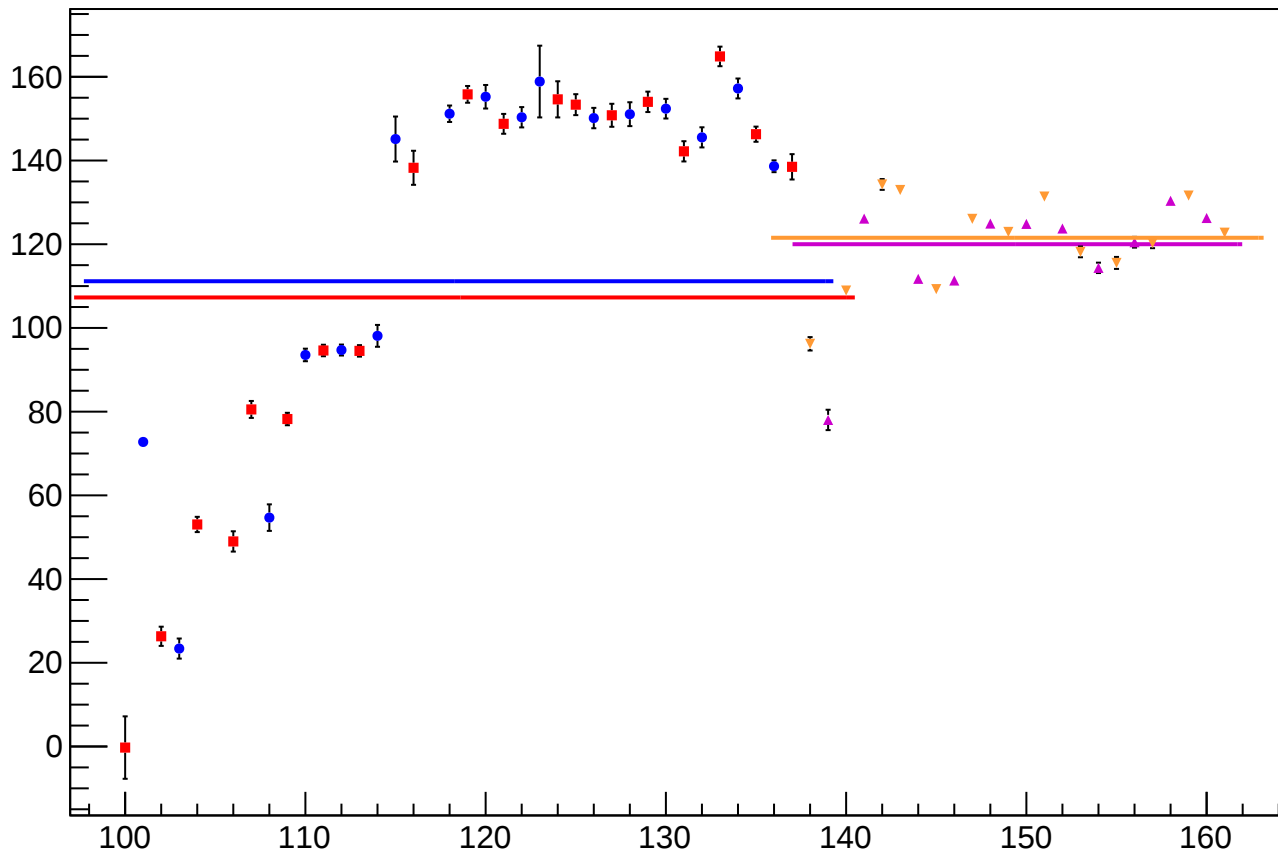
Right Out: -60.507±/0.704 χ^2/NDF : 1384.8/18

Left In: -85.519±/0.369 χ^2/NDF :886.5/10

-77.709±/0.323 χ^2/NDF : 3990.6/29

-80.128±/0.327 χ^2/NDF : 3260.4/29

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: 121.545 $\pm$ 0.295 χ^2 /NDF: 1060.2/12

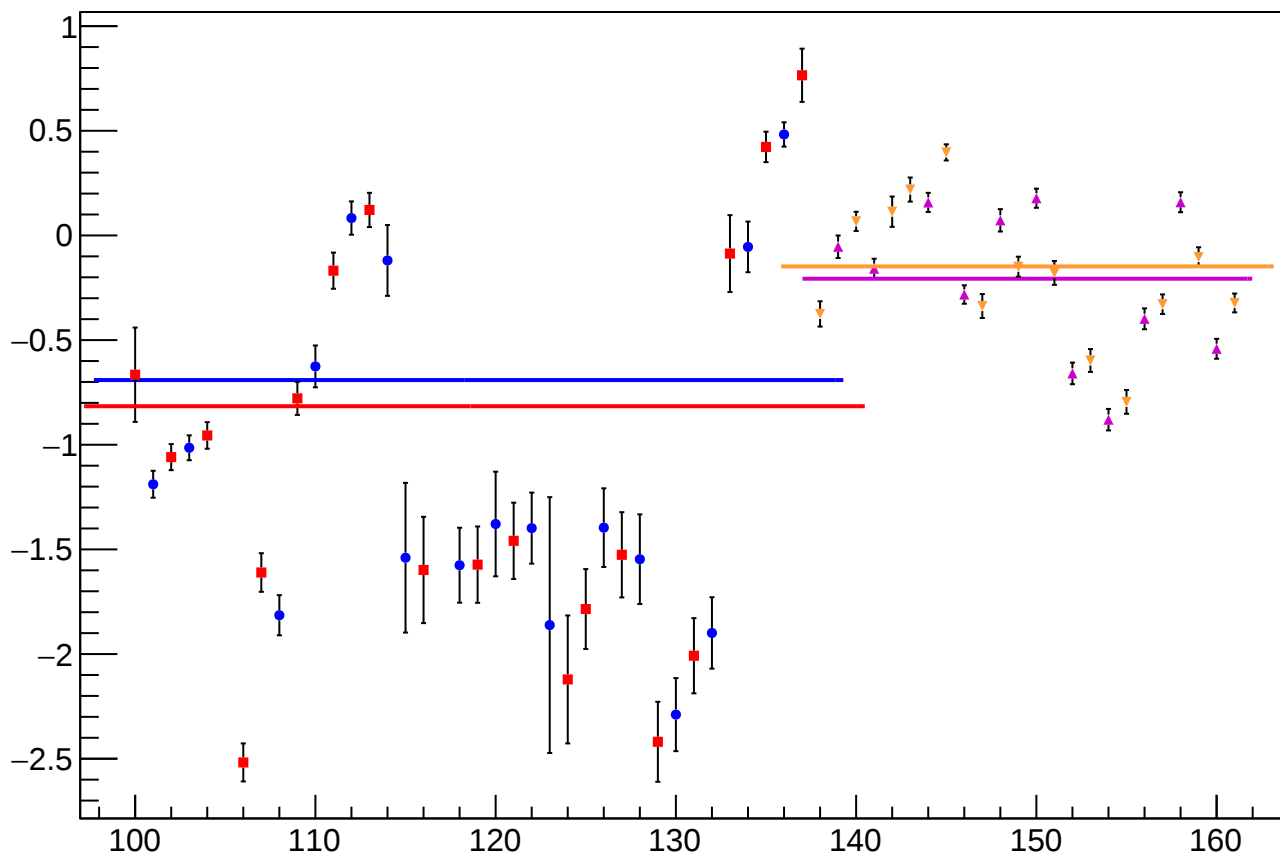
Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

Left In: 120.004 $\pm$ 0.306 χ^2 /NDF: 790.4/10

118.768 $\pm$ 0.253 χ^2 /NDF: 7268.3/29

116.413 $\pm$ 0.259 χ^2 /NDF: 8333.8/29

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 ± 0.014 χ^2/NDF : 528.4/12

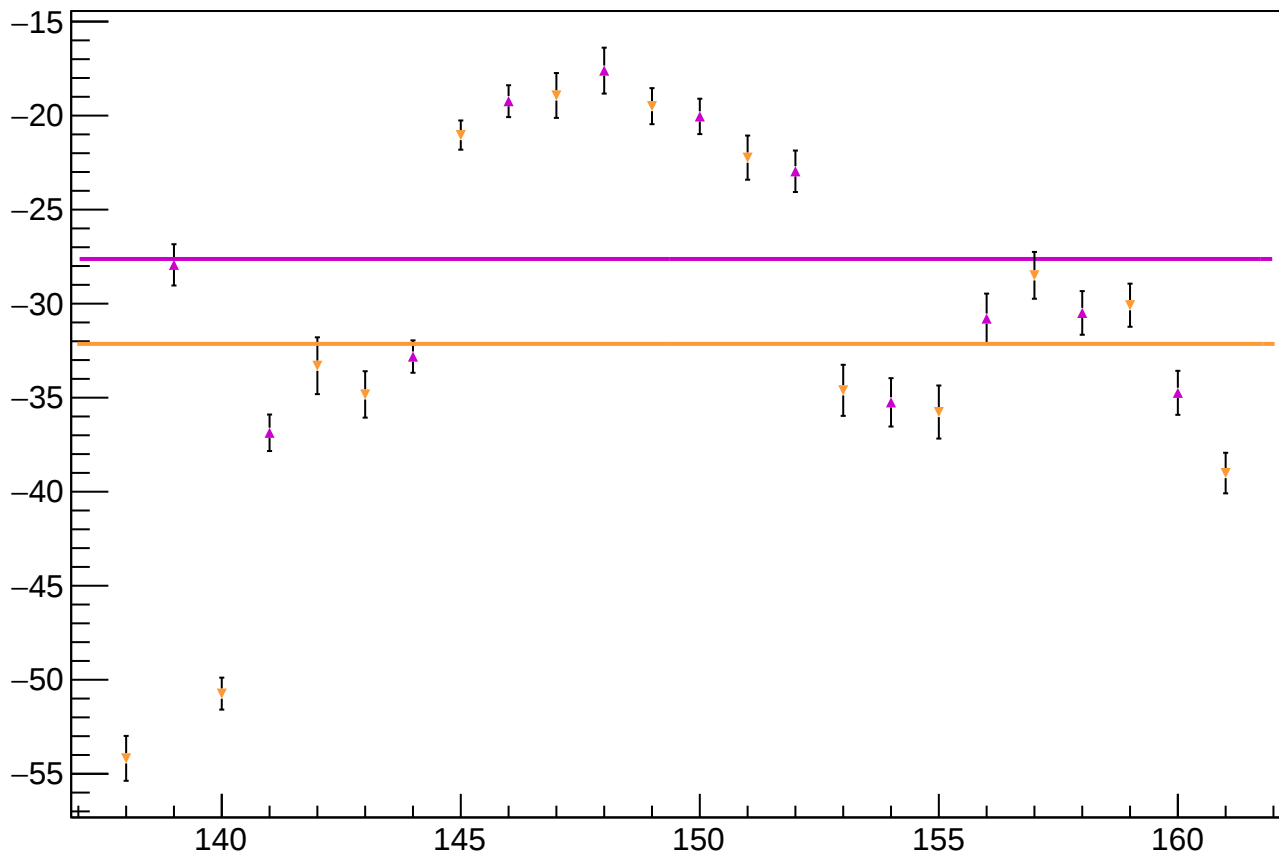
Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

Left In: -0.207 ± 0.015 χ^2/NDF : 545.6/10

-0.273 ± 0.012 χ^2/NDF : 1859.6/29

-0.369 ± 0.013 χ^2/NDF : 2308.9/29

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.139+/-0.306 χ^2/NDF : 1459.7/12

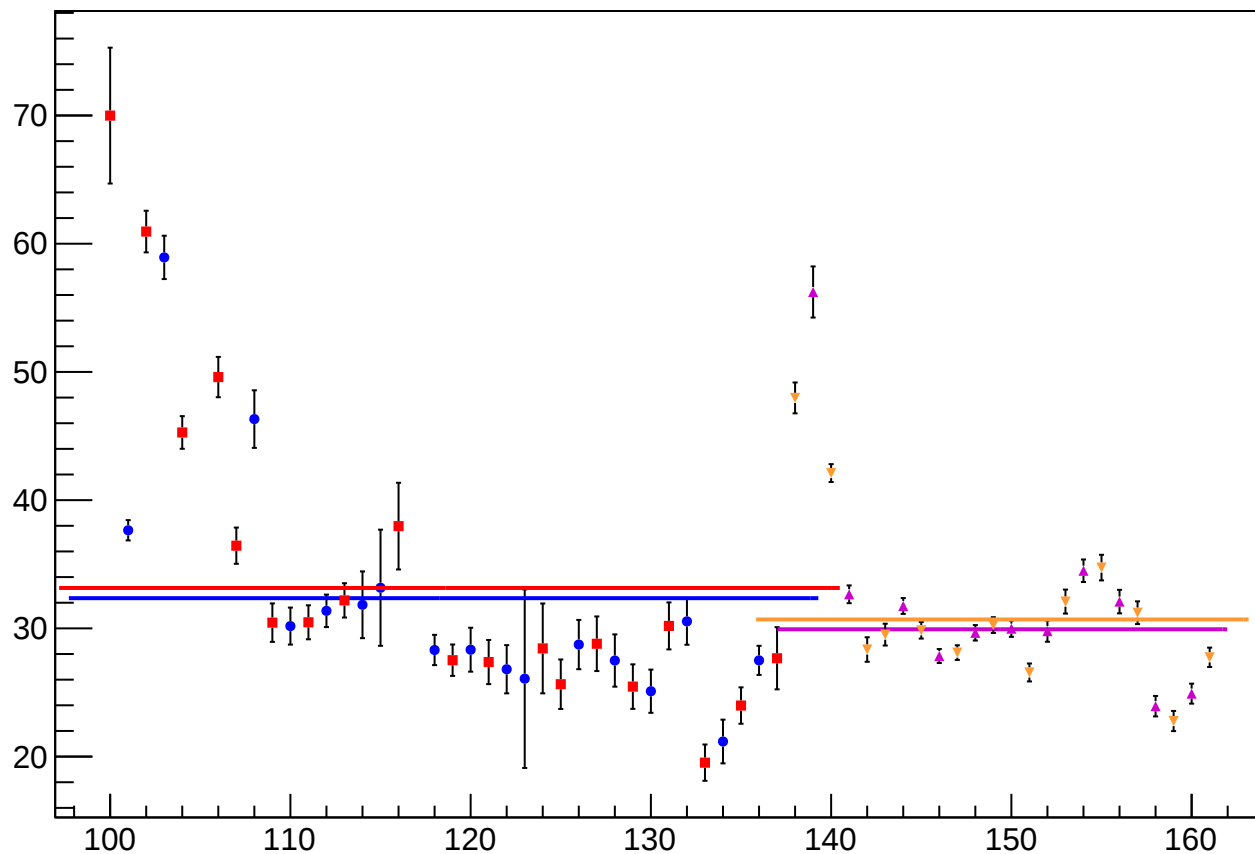
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -27.624+/-0.318 χ^2/NDF : 459.3/10

-32.139+/-0.306 χ^2/NDF : 1459.7/12

-27.624+/-0.318 χ^2/NDF : 459.3/10

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355+/-0.375 χ^2 /NDF: 450.5/16

Left Out: 30.695+/-0.213 χ^2 /NDF:675.0/12

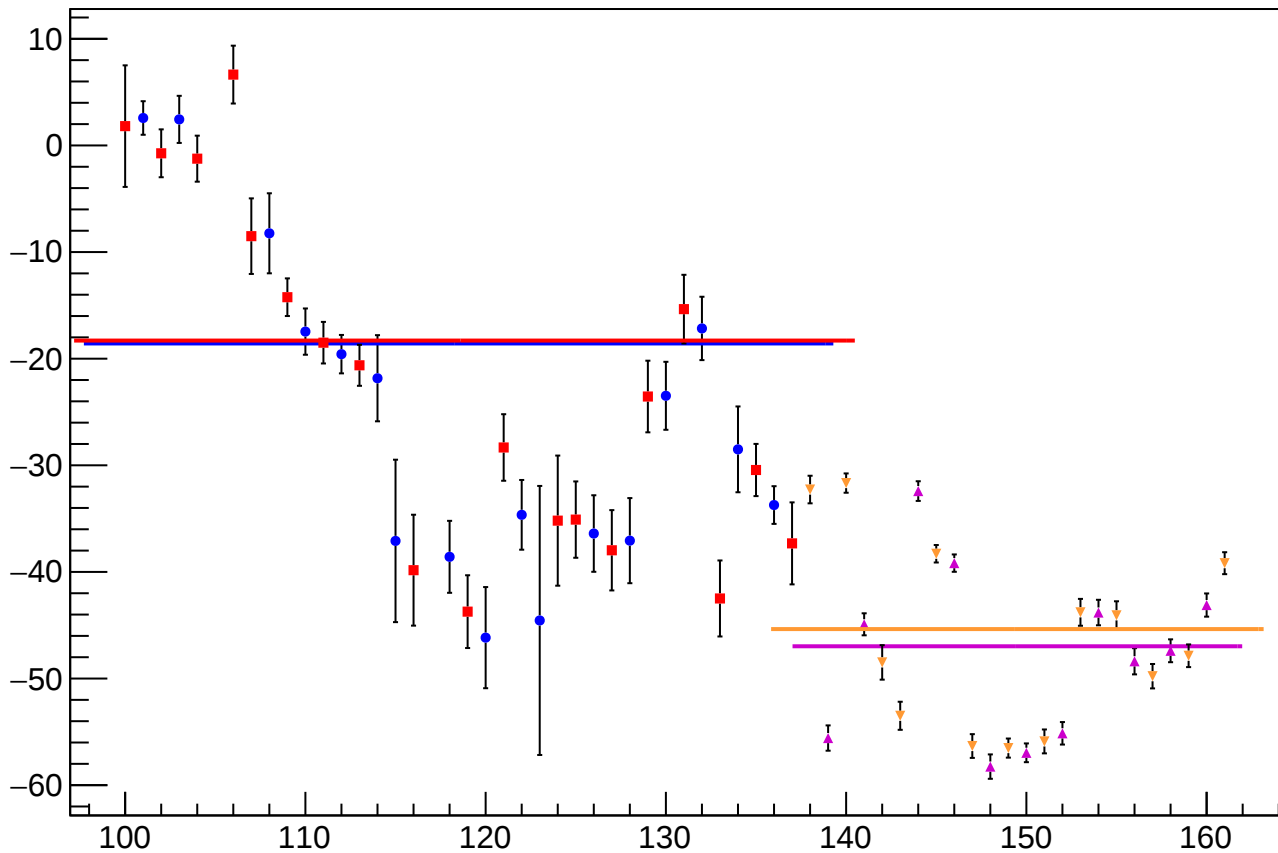
Right Out: 33.152+/-0.379 χ^2 /NDF: 772.0/18

Left In: 29.929+/-0.220 χ^2 /NDF:343.7/10

31.098+/-0.185 χ^2 /NDF: 1140.3/29

30.741+/-0.190 χ^2 /NDF: 1169.8/29

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: -45.361 ± 0.303 $\chi^2/\text{NDF}: 846.7/12$

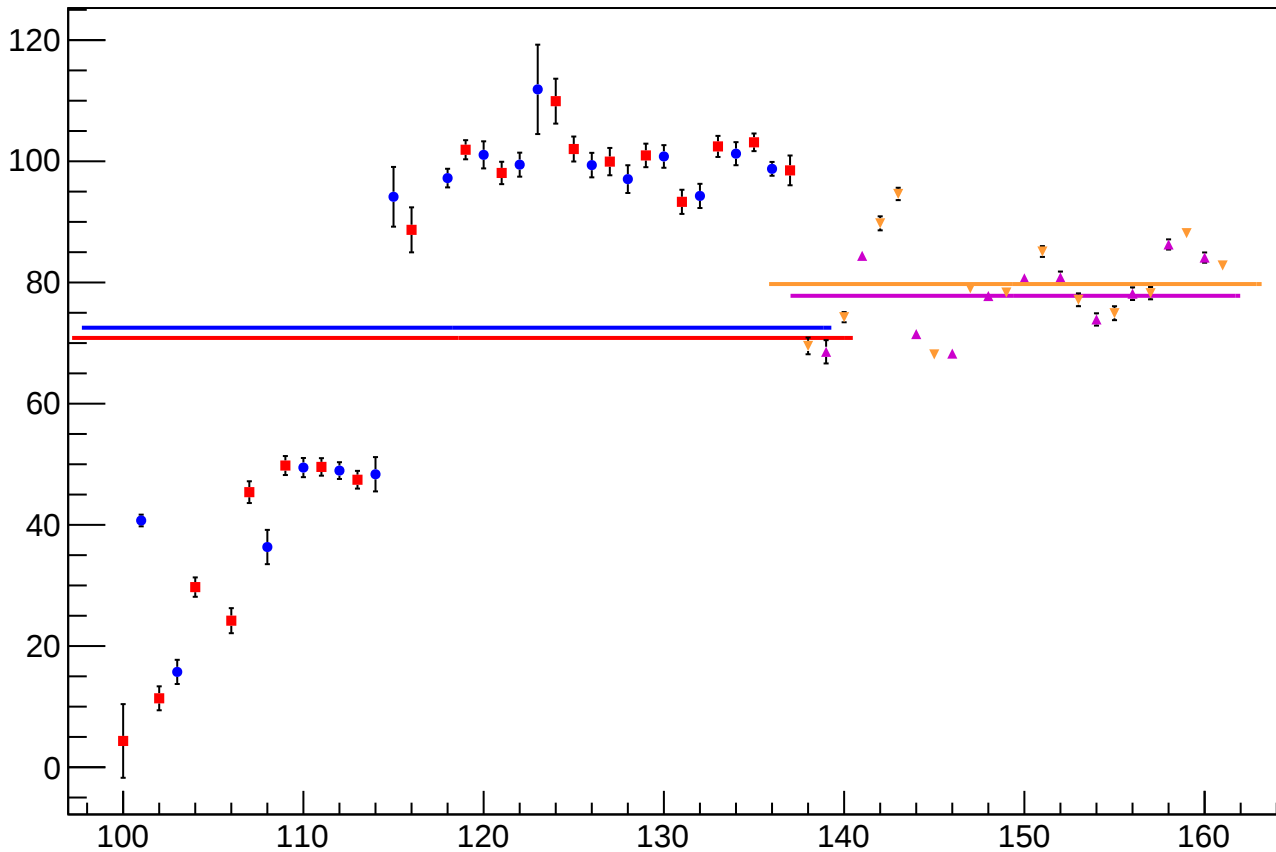
Right Out: -18.300 ± 0.644 $\chi^2/\text{NDF}: 473.4/18$

Left In: -46.974 ± 0.311 $\chi^2/\text{NDF}: 704.5/10$

-40.789 ± 0.276 $\chi^2/\text{NDF}: 2694.1/29$

-41.558 ± 0.280 $\chi^2/\text{NDF}: 2786.7/29$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537 $\pm$ 0.428 χ^2/NDF : 4684.1/16

Left Out: 79.743 $\pm$ 0.252 χ^2/NDF : 814.6/12

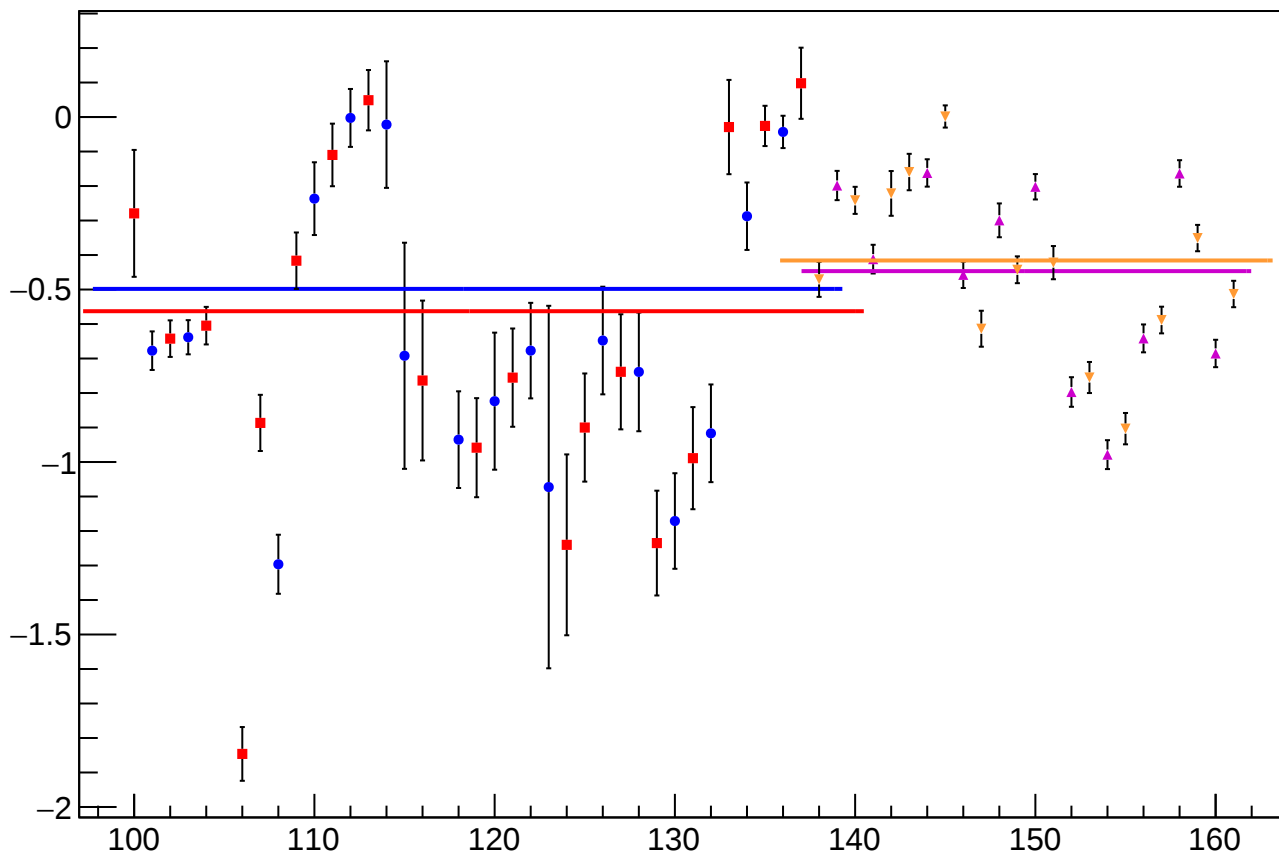
Right Out: 70.849 $\pm$ 0.433 χ^2/NDF : 5500.2/18

Left In: 77.803 $\pm$ 0.260 χ^2/NDF : 557.0/10

77.893 $\pm$ 0.217 χ^2/NDF : 5709.1/29

75.963 $\pm$ 0.223 χ^2/NDF : 6246.7/29

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.416 ± 0.012 χ^2/NDF : 437.7/12

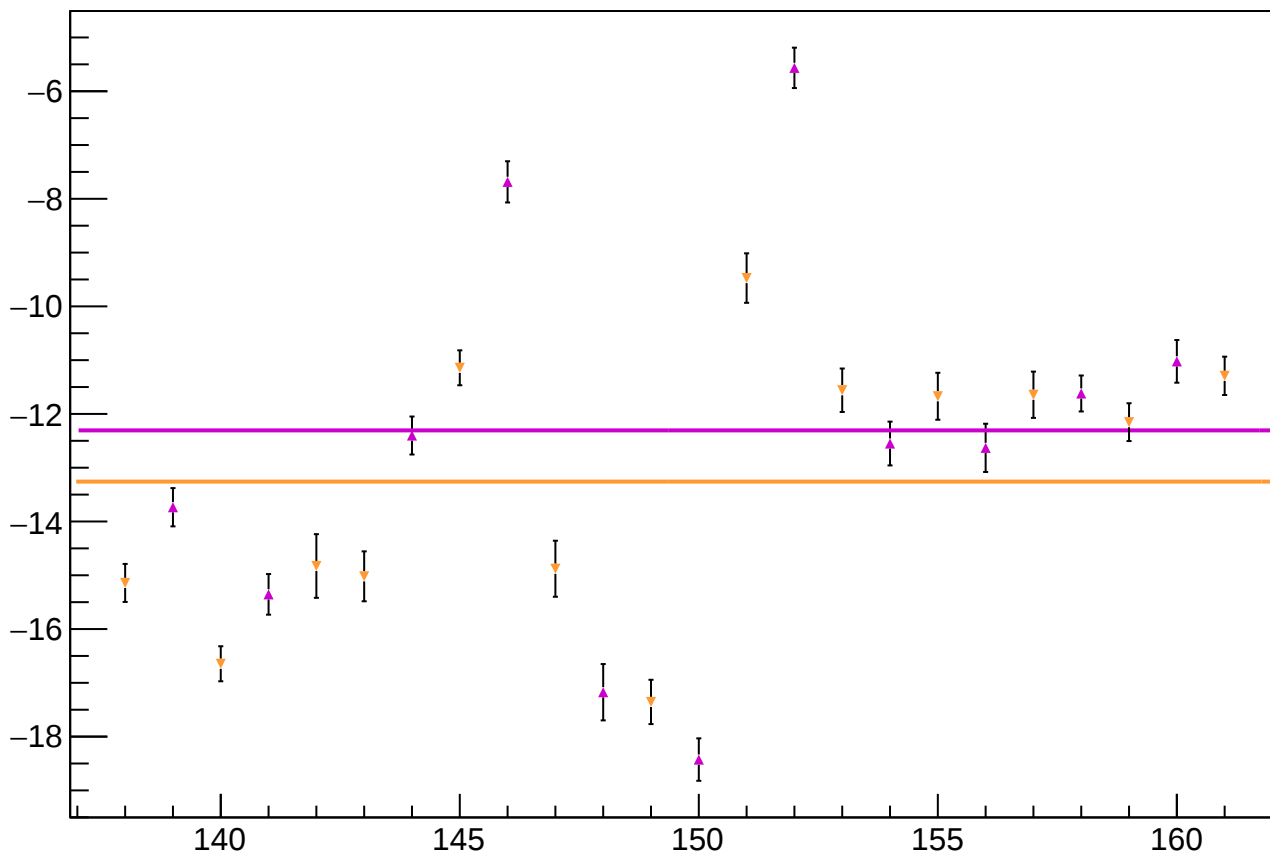
Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

Left In: -0.447 ± 0.012 χ^2/NDF : 480.9/10

-0.434 ± 0.010 χ^2/NDF : 751.0/29

-0.475 ± 0.011 χ^2/NDF : 1063.8/29

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



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

Left Out: -13.258+/-0.111 χ^2/NDF : 462.2/12

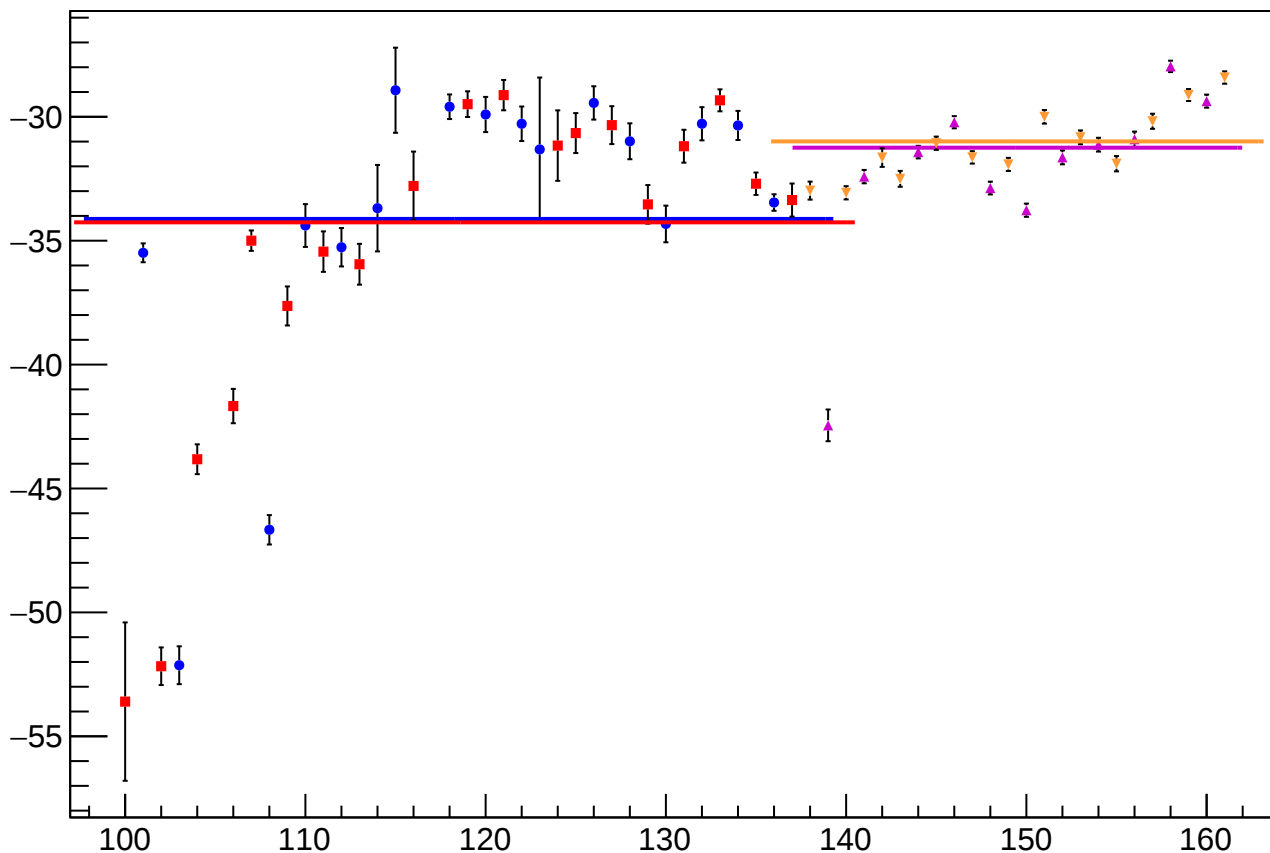
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -12.306+/-0.117 χ^2/NDF : 891.6/10

-13.258+/-0.111 χ^2/NDF : 462.2/12

-12.306+/-0.117 χ^2/NDF : 891.6/10

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -30.993 ± 0.078 $\chi^2/\text{NDF}: 329.3/12$

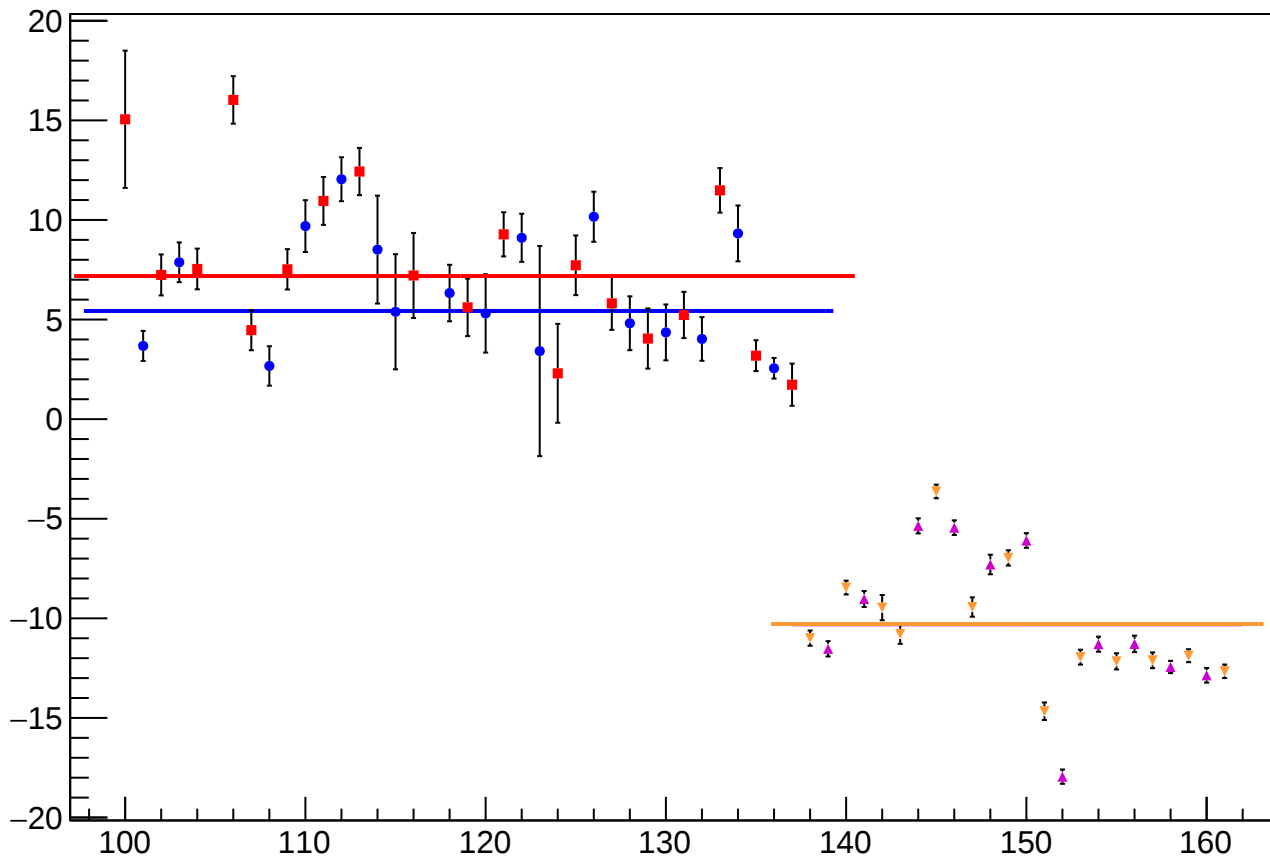
Right Out: -34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

Left In: -31.247 ± 0.083 $\chi^2/\text{NDF}: 728.8/10$

-31.651 ± 0.070 $\chi^2/\text{NDF}: 1987.1/29$

-31.943 ± 0.072 $\chi^2/\text{NDF}: 2390.6/29$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -10.284 ± 0.109 $\chi^2/\text{NDF}: 721.2/12$

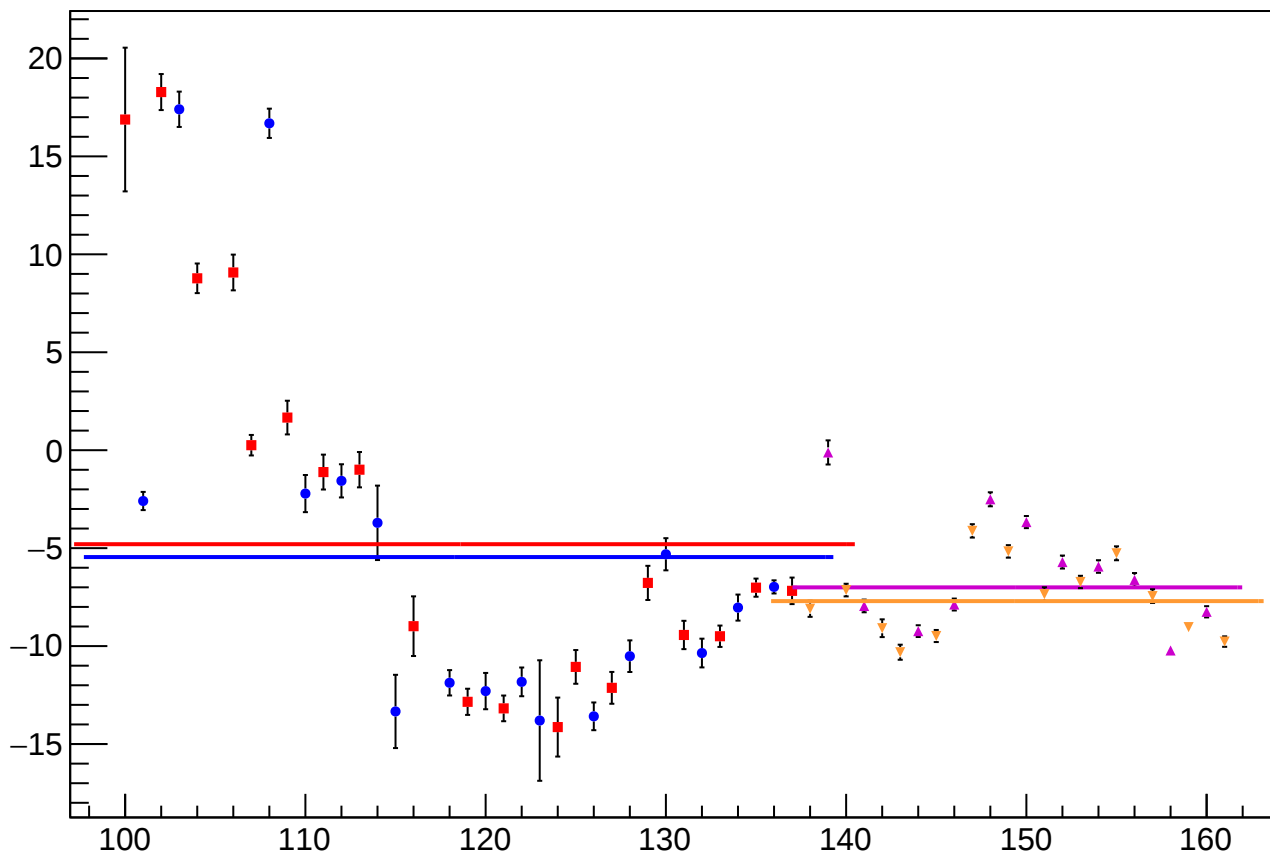
Right Out: 7.185 ± 0.274 $\chi^2/\text{NDF}: 182.1/18$

Left In: -10.300 ± 0.114 $\chi^2/\text{NDF}: 1094.6/10$

-8.081 ± 0.101 $\chi^2/\text{NDF}: 3757.4/29$

-7.733 ± 0.105 $\chi^2/\text{NDF}: 4739.8/29$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455 $\pm$ 0.171 χ^2 /NDF: 2096.5/16

Left Out: -7.704 $\pm$ 0.091 χ^2 /NDF: 411.1/12

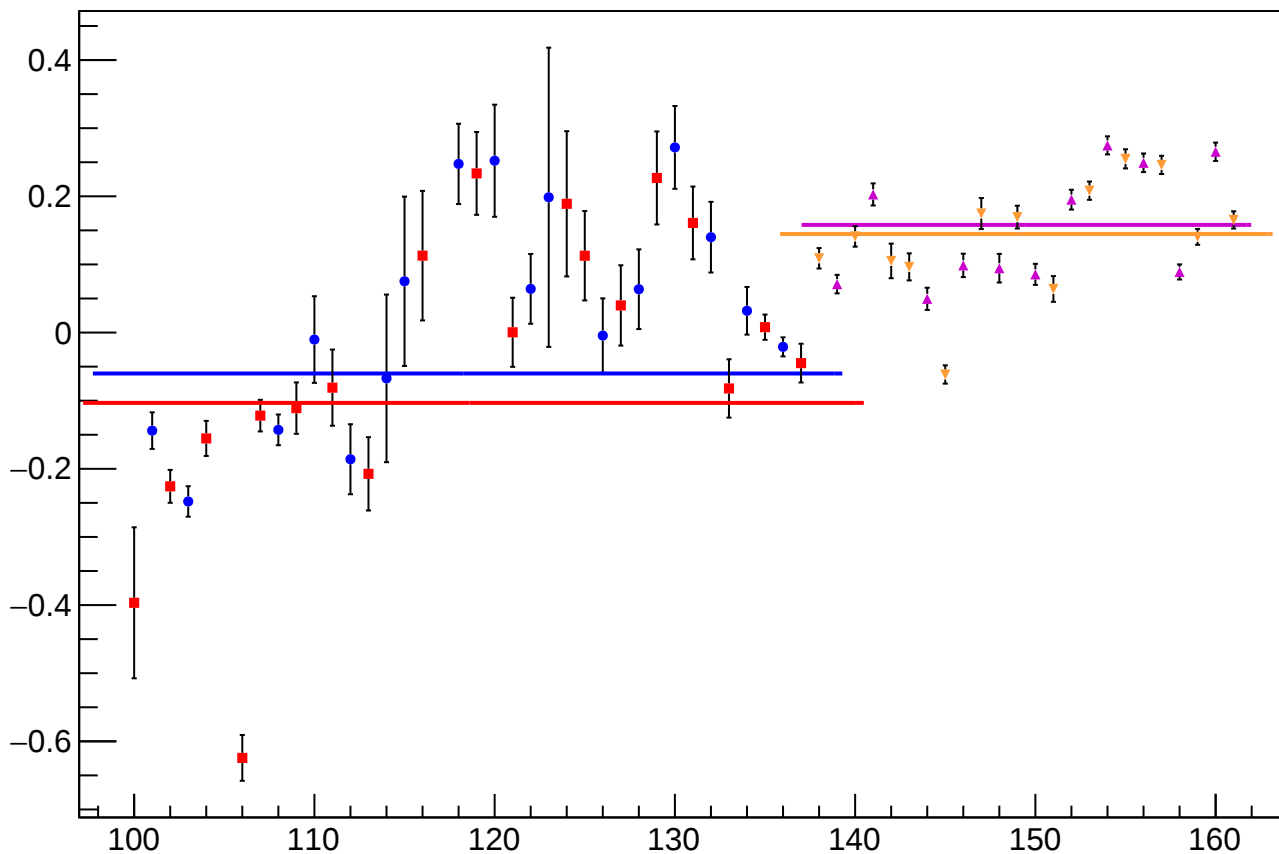
Right Out: -4.798 $\pm$ 0.173 χ^2 /NDF: 2047.4/18

Left In: -7.003 $\pm$ 0.096 χ^2 /NDF: 693.5/10

-7.203 $\pm$ 0.081 χ^2 /NDF: 2642.4/29

-6.483 $\pm$ 0.084 χ^2 /NDF: 2865.1/29

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: 0.145 ± 0.004 χ^2/NDF : 415.7/12

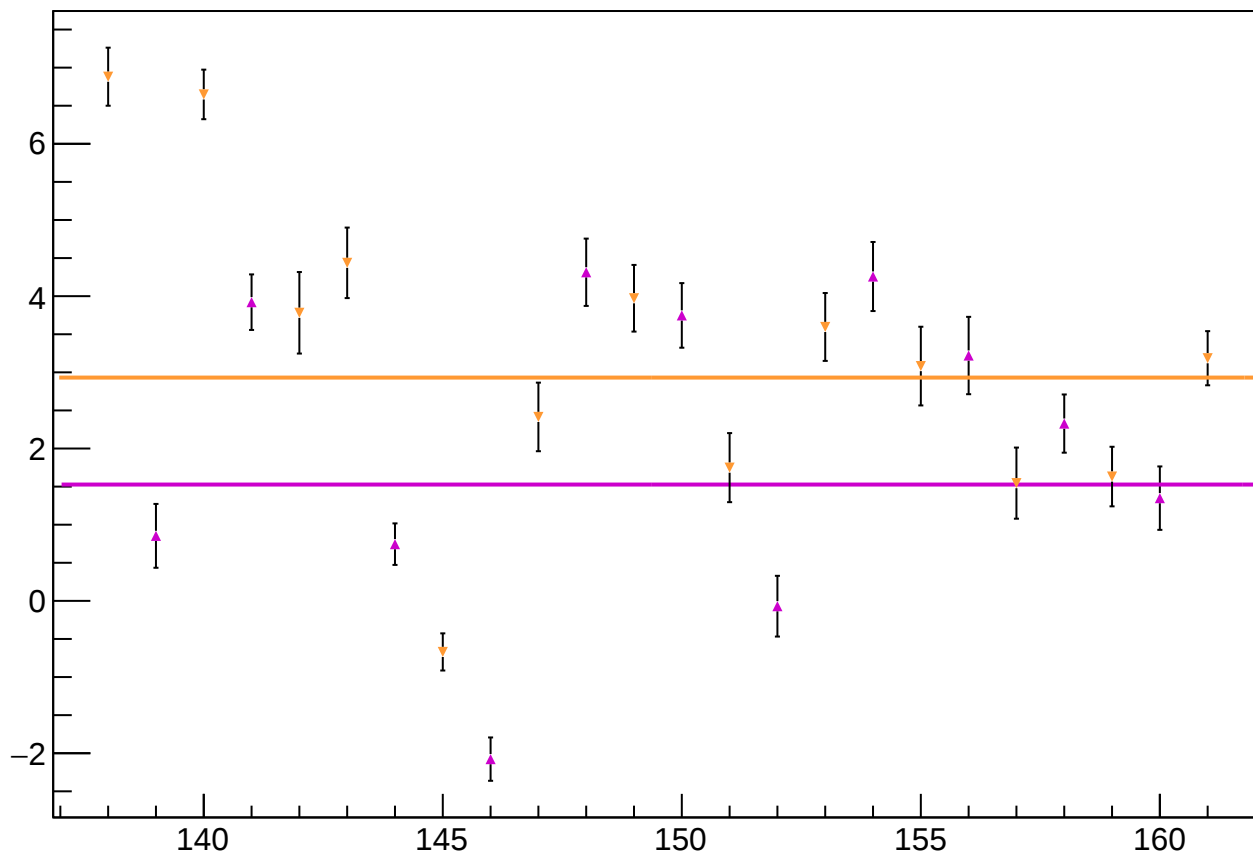
Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

Left In: 0.158 ± 0.004 χ^2/NDF : 366.6/10

0.104 ± 0.004 χ^2/NDF : 1105.9/29

0.103 ± 0.004 χ^2/NDF : 1556.2/29

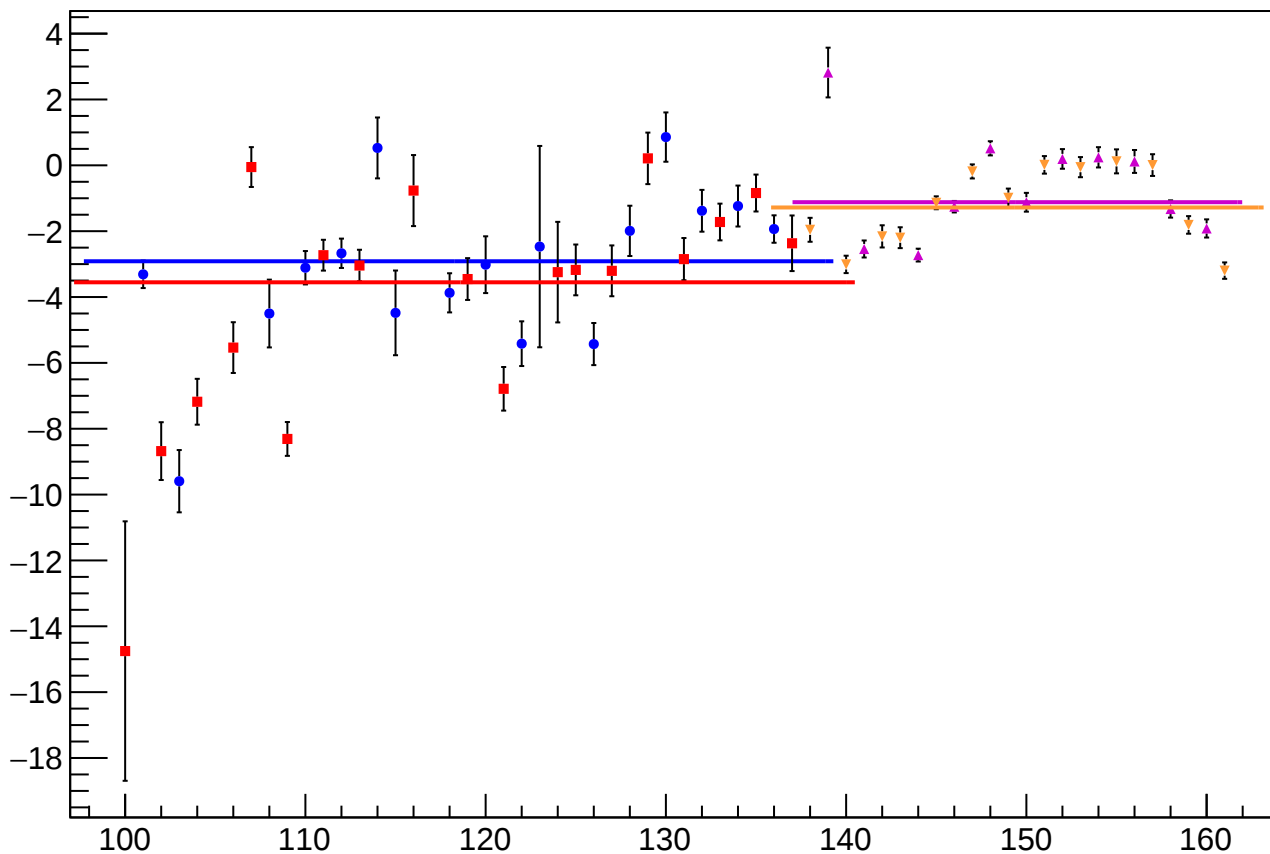
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.931 $\pm$ 0.109 χ^2 /NDF:505.7/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.527 $\pm$ 0.114 χ^2 /NDF:349.6/10

2.931 $\pm$ 0.109 χ^2 /NDF: 505.7/12
 1.527 $\pm$ 0.114 χ^2 /NDF: 349.6/10

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 $\pm$ 0.155 χ^2/NDF : 146.1/16

Left Out: -1.280 $\pm$ 0.076 χ^2/NDF : 222.3/12

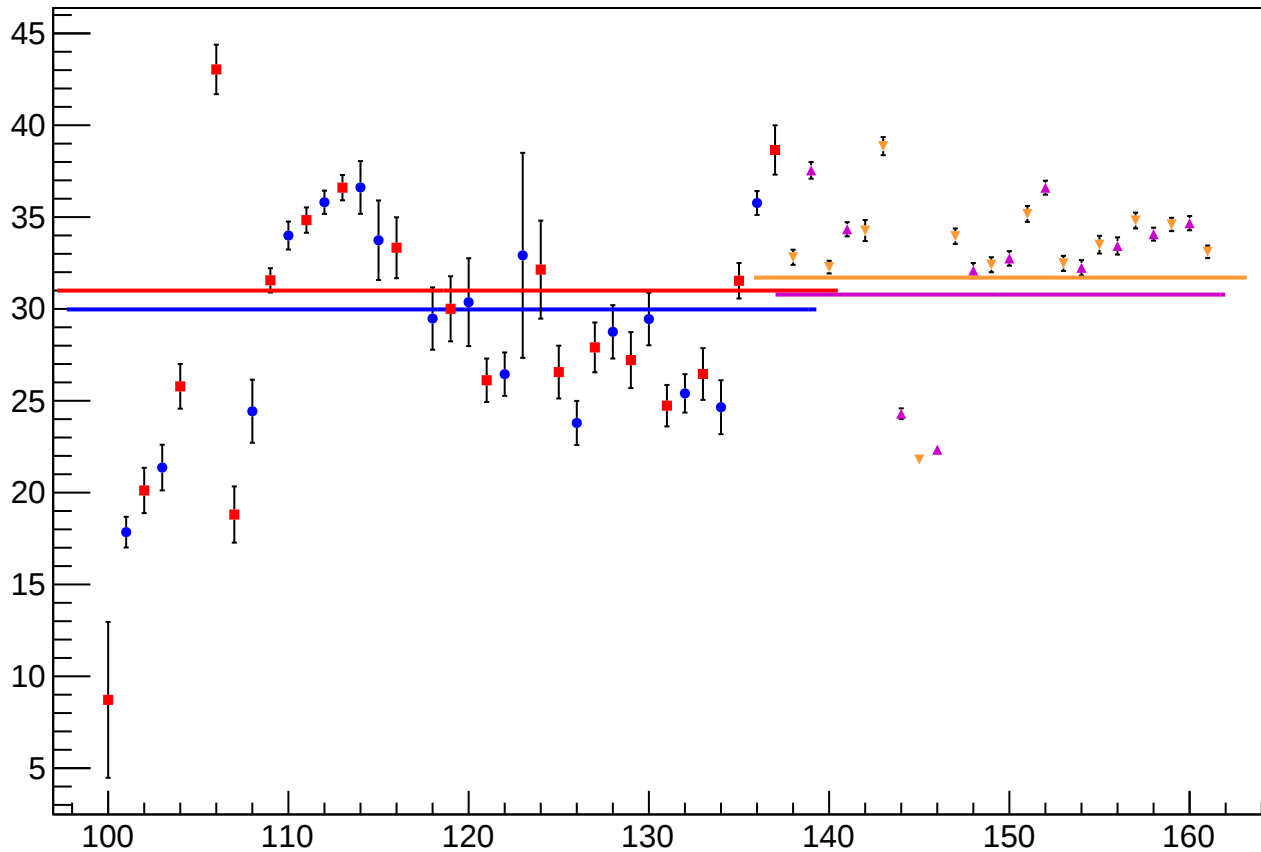
Right Out: -3.553 $\pm$ 0.155 χ^2/NDF : 290.9/18

Left In: -1.120 $\pm$ 0.077 χ^2/NDF : 244.3/10

-1.598 $\pm$ 0.068 χ^2/NDF : 458.1/29

-1.606 $\pm$ 0.069 χ^2/NDF : 733.4/29

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 31.705 ± 0.109 $\chi^2/\text{NDF}: 1942.2/12$

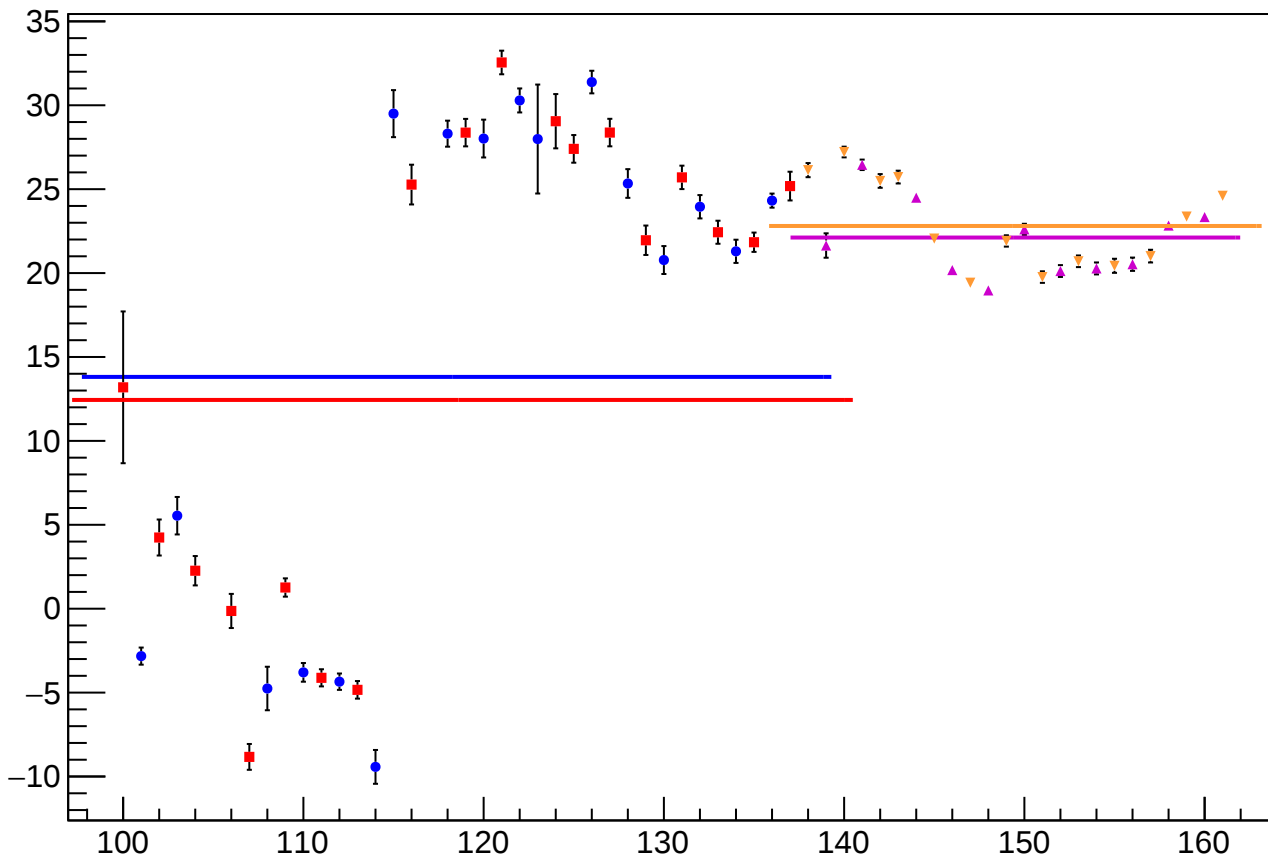
Right Out: 30.999 ± 0.260 $\chi^2/\text{NDF}: 479.5/18$

Left In: 30.781 ± 0.111 $\chi^2/\text{NDF}: 2254.4/10$

31.460 ± 0.101 $\chi^2/\text{NDF}: 2532.6/29$

30.815 ± 0.102 $\chi^2/\text{NDF}: 2734.5/29$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 22.807 $\pm$ 0.090 χ^2 /NDF: 722.6/12

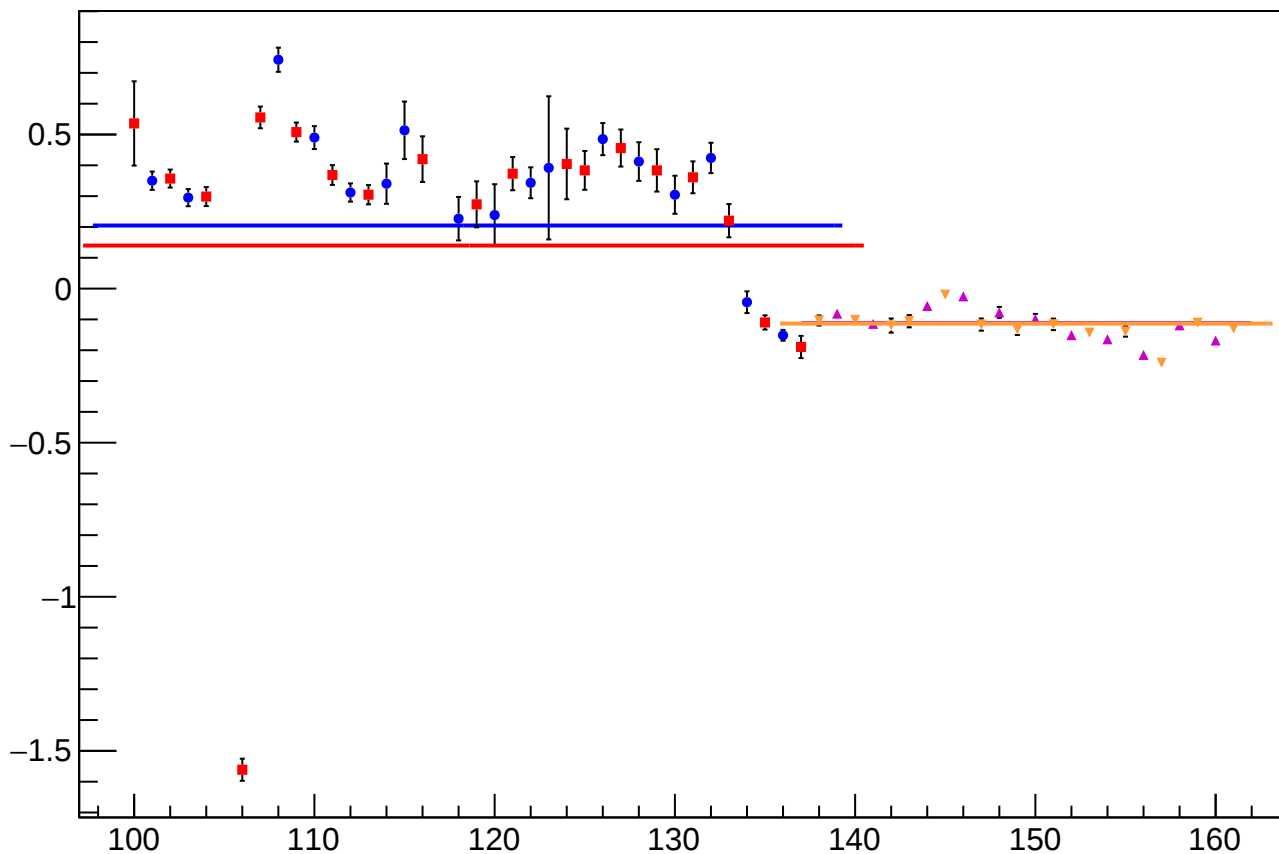
Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

Left In: 22.117 $\pm$ 0.092 χ^2 /NDF: 587.0/10

20.893 $\pm$ 0.080 χ^2 /NDF: 10177.0/29

19.999 $\pm$ 0.081 χ^2 /NDF: 9980.9/29

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: -0.113+/-0.004 χ^2/NDF : 172.2/12

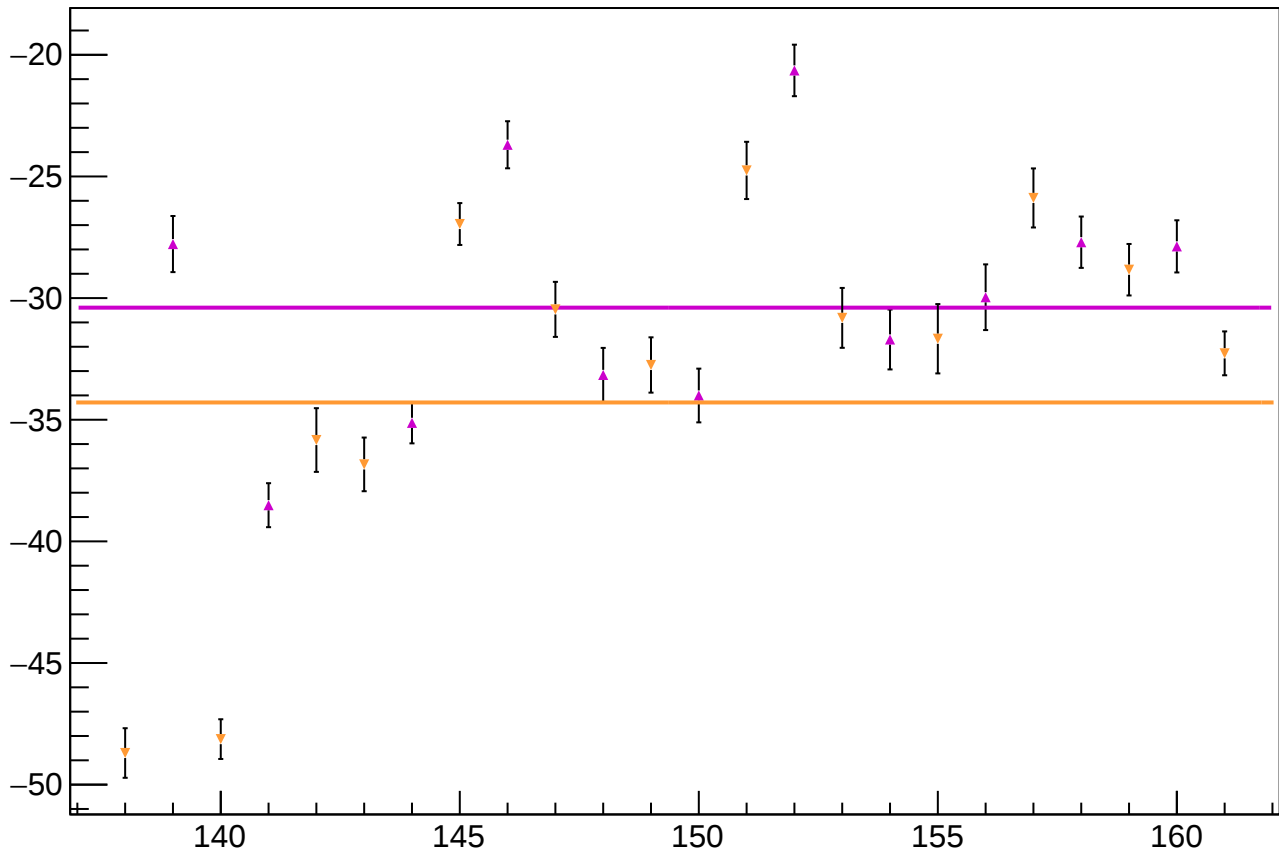
Right Out: 0.140+/-0.009 χ^2/NDF : 3014.2/18

Left In: -0.112+/-0.004 χ^2/NDF : 154.4/10

-0.060+/-0.004 χ^2/NDF : 1974.4/29

-0.065+/-0.004 χ^2/NDF : 3775.8/29

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: -34.290+/-0.296 χ^2/NDF : 736.4/12

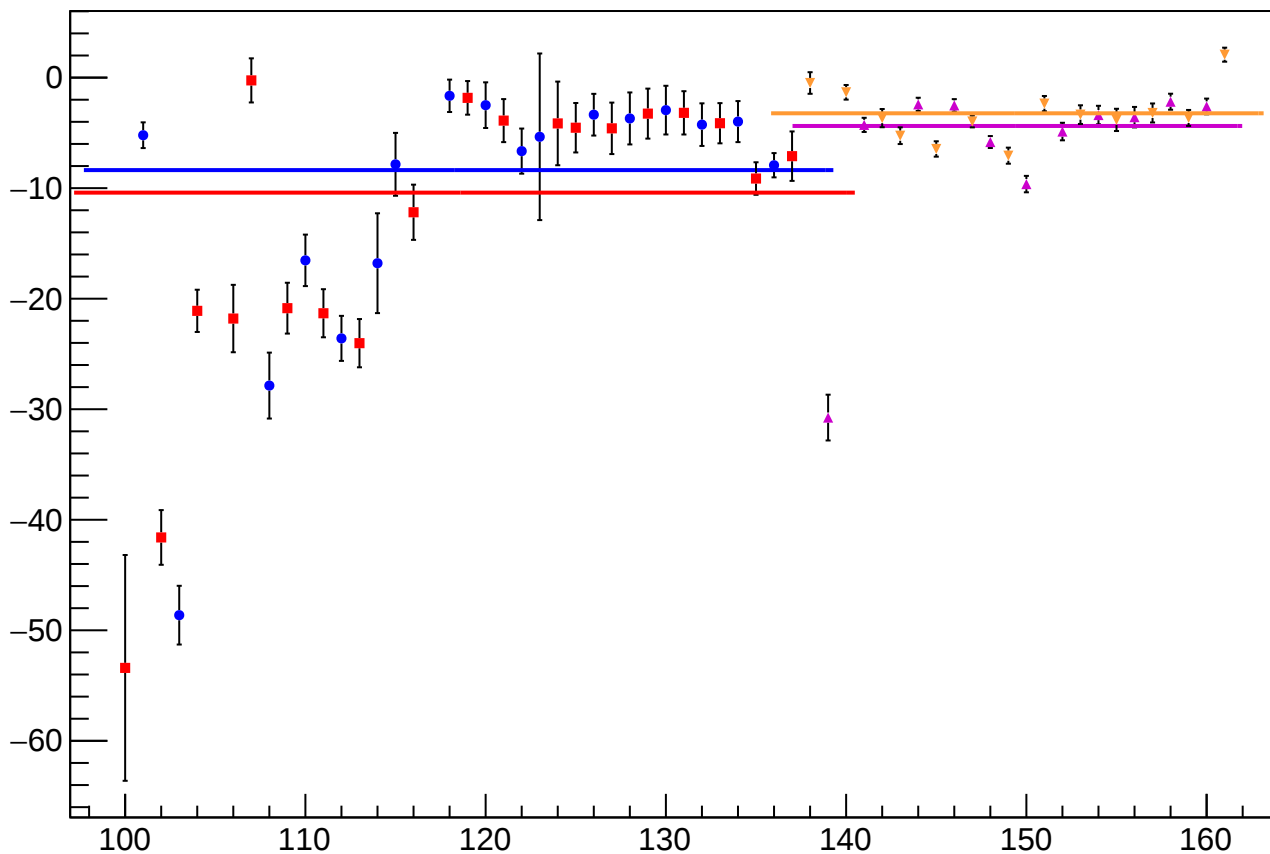
-34.290+/-0.296 χ^2/NDF : 736.4/12

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

-30.393+/-0.317 χ^2/NDF : 280.2/10

Left In: -30.393+/-0.317 χ^2/NDF : 280.2/10

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -3.228 ± 0.203 χ^2/NDF : 147.1/12

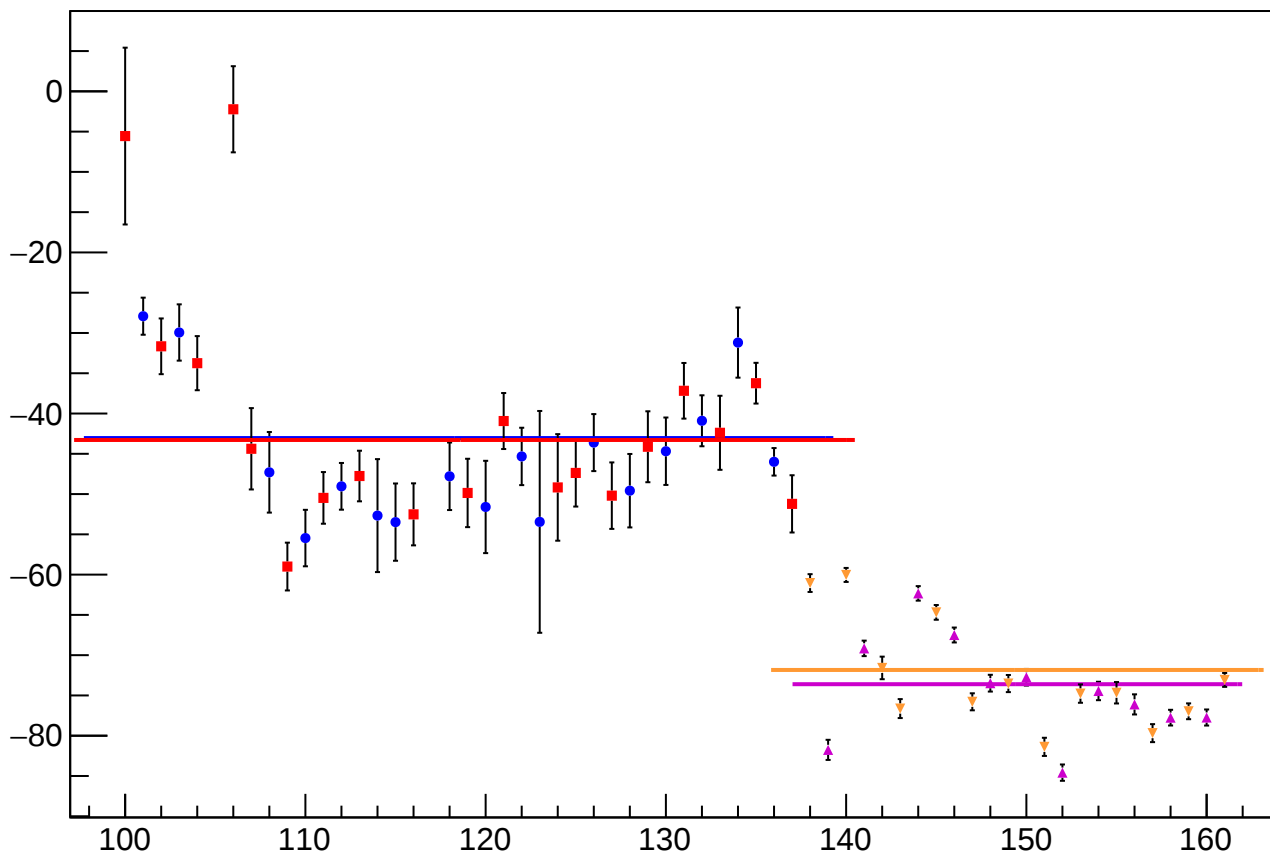
Right Out: -10.405 ± 0.491 χ^2/NDF : 430.3/18

Left In: -4.374 ± 0.214 χ^2/NDF : 258.8/10

-4.049 ± 0.186 χ^2/NDF : 658.0/29

-5.336 ± 0.196 χ^2/NDF : 815.9/29

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: -71.836 ± 0.293 $\chi^2/\text{NDF}: 535.4/12$

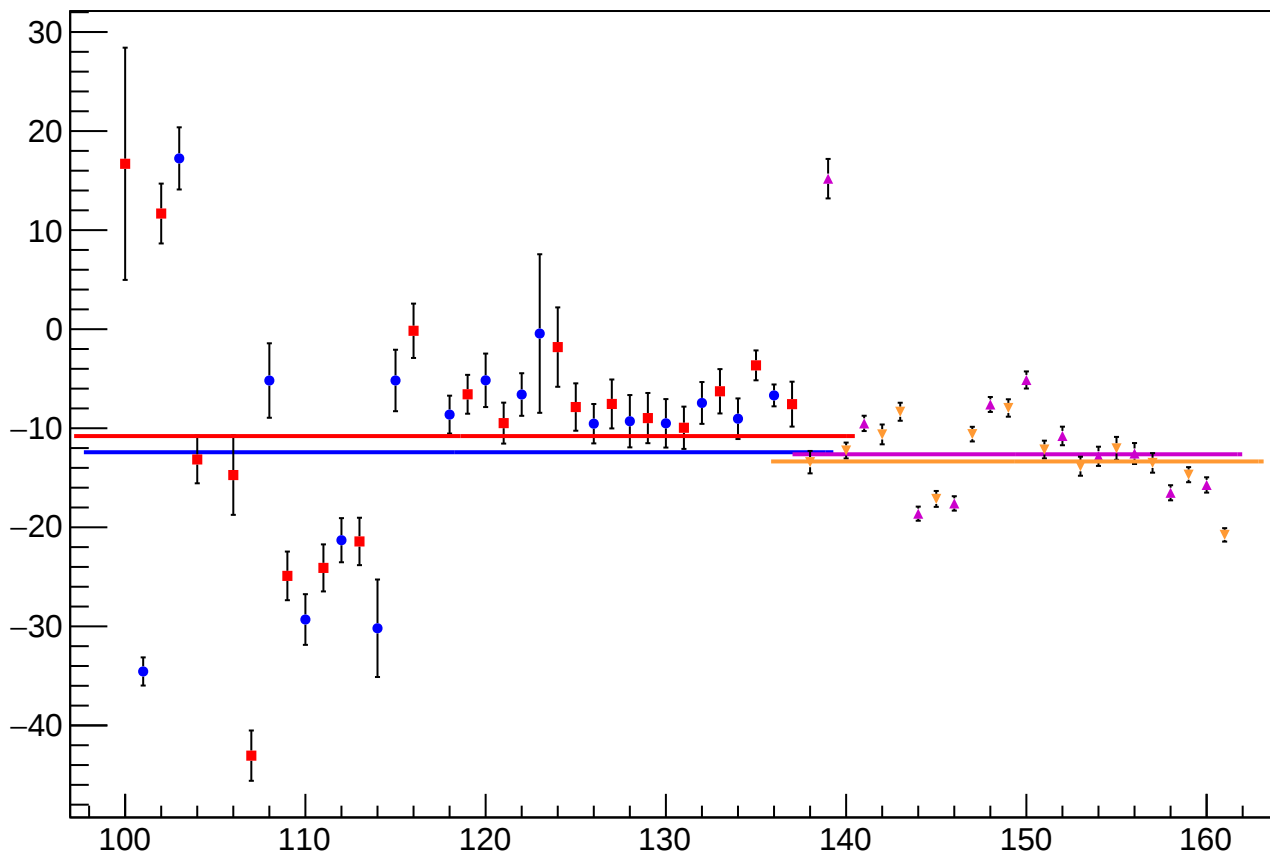
Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$

Left In: -73.604 ± 0.310 $\chi^2/\text{NDF}: 421.6/10$

-68.696 ± 0.277 $\chi^2/\text{NDF}: 1687.7/29$

-70.171 ± 0.292 $\chi^2/\text{NDF}: 1660.2/29$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -13.351 ± 0.241 χ^2/NDF : 239.6/12

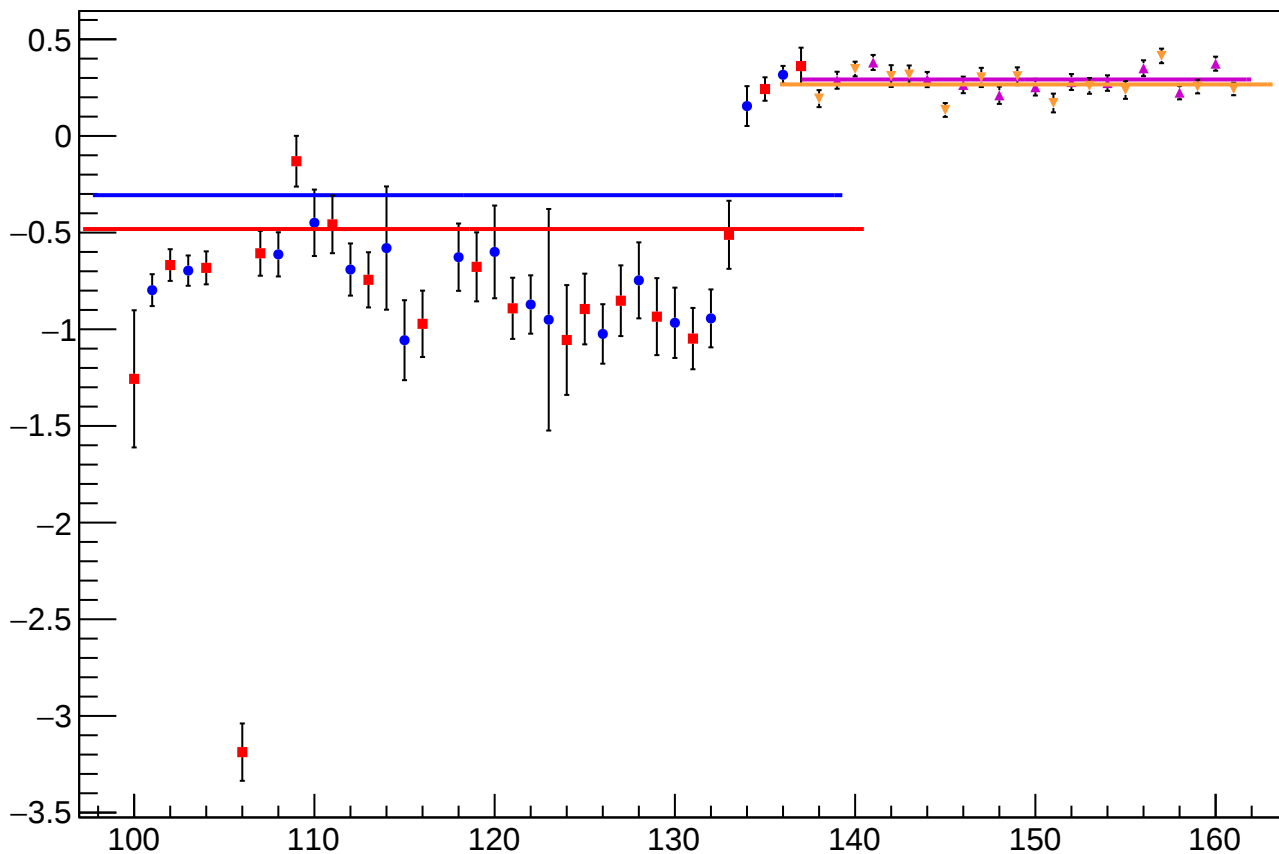
Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

Left In: -12.628 ± 0.255 χ^2/NDF : 494.2/10

-13.188 ± 0.219 χ^2/NDF : 716.6/29

-12.307 ± 0.232 χ^2/NDF : 869.1/29

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: 0.266 ± 0.011 χ^2/NDF : 44.2/12

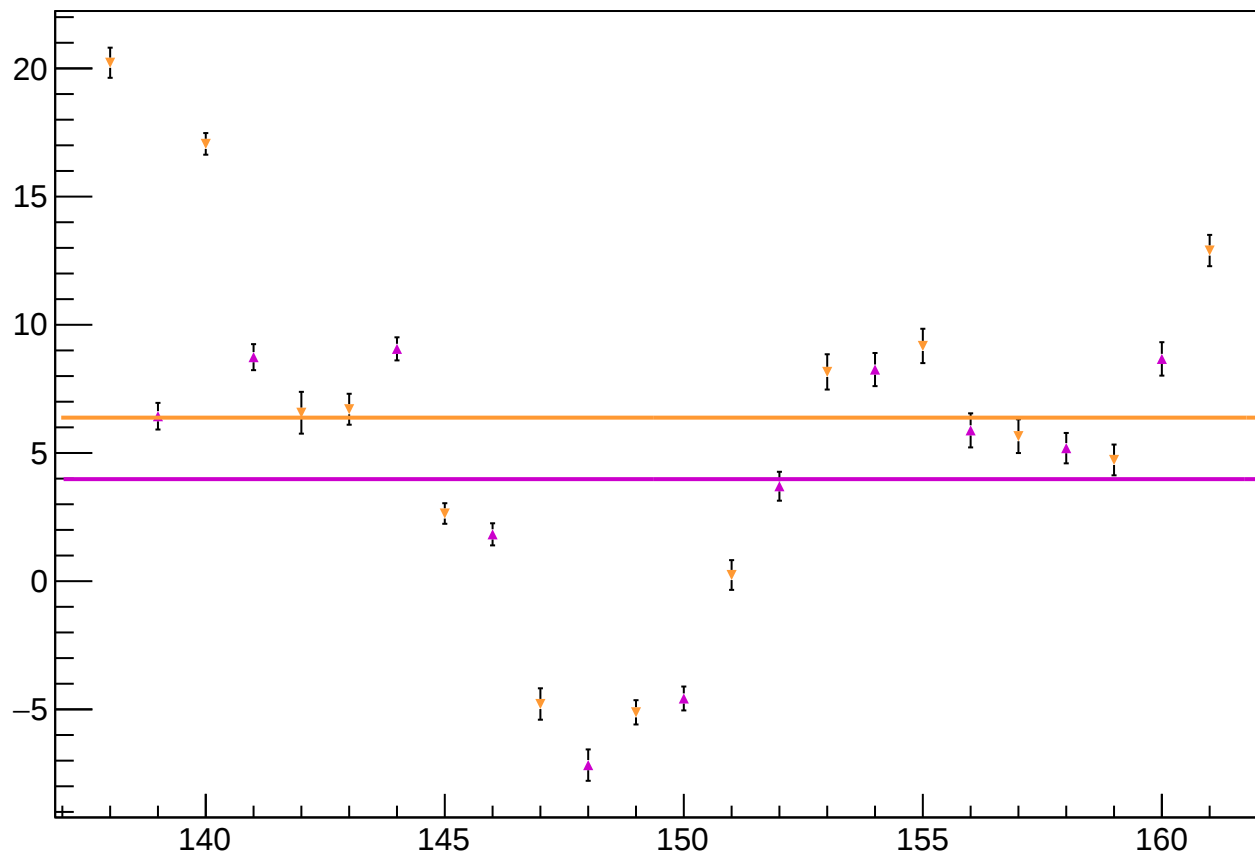
Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

Left In: 0.292 ± 0.012 χ^2/NDF : 20.9/10

0.182 ± 0.011 χ^2/NDF : 783.8/29

0.174 ± 0.011 χ^2/NDF : 1268.9/29

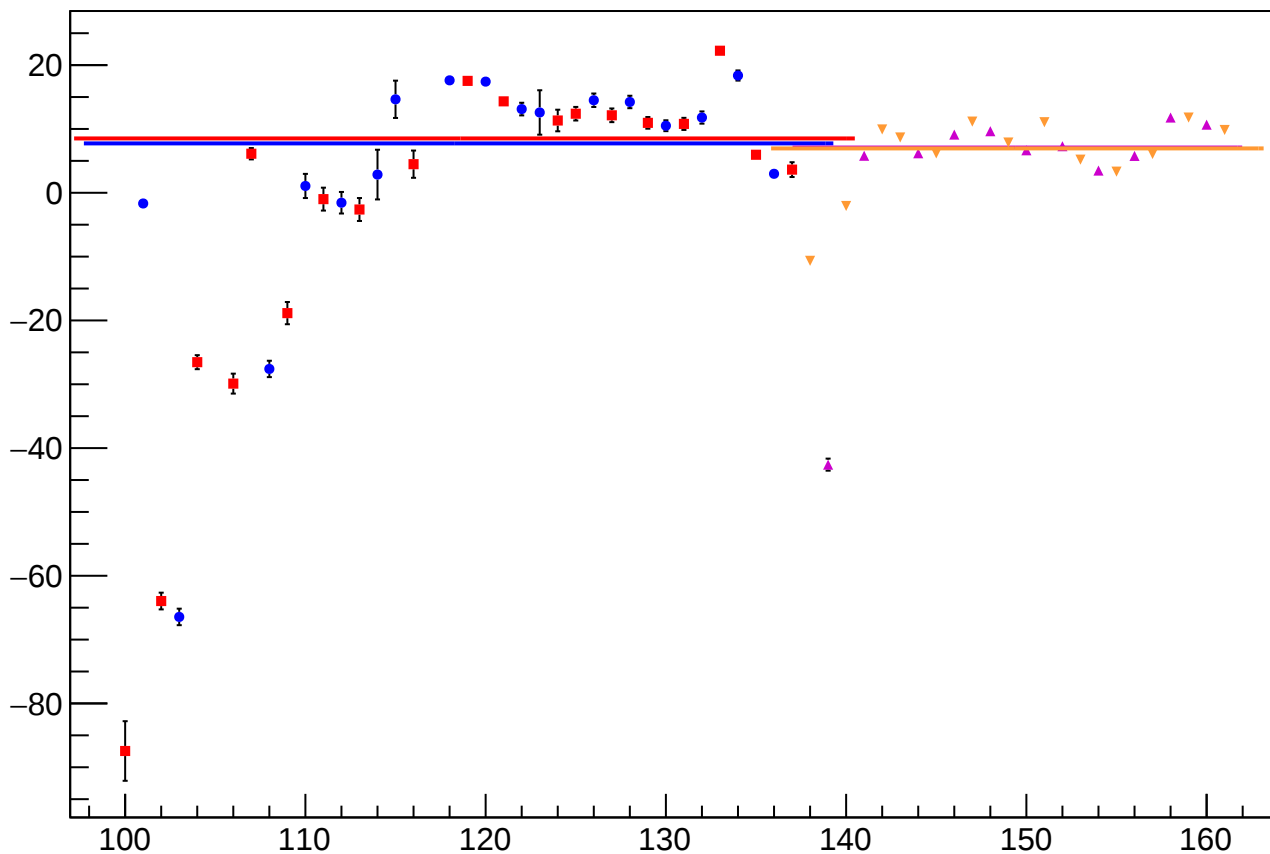
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.379+/-0.156 χ^2/NDF :2461.9/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.980+/-0.162 χ^2/NDF :1039.9/10

6.379+/-0.156 χ^2/NDF : 2461.9/12
 3.980+/-0.162 χ^2/NDF : 1039.9/10

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: 6.951 ± 0.108 χ^2/NDF : 2207.7/12

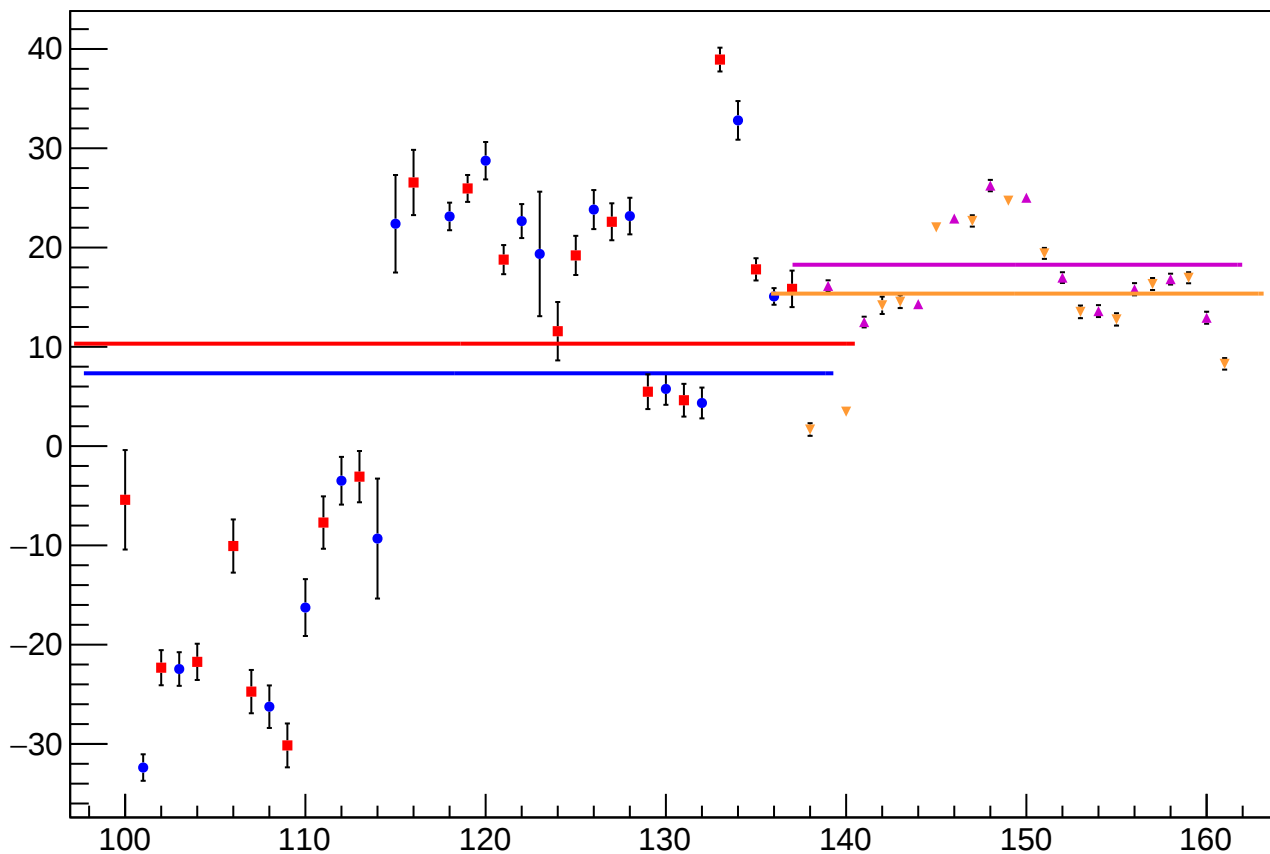
Right Out: 8.514 ± 0.213 χ^2/NDF : 6719.4/18

Left In: 7.088 ± 0.112 χ^2/NDF : 3189.1/10

7.107 ± 0.097 χ^2/NDF : 7518.7/29

7.398 ± 0.099 χ^2/NDF : 9943.5/29

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: 15.360 $\pm$ 0.154 χ^2/NDF : 2259.2/12

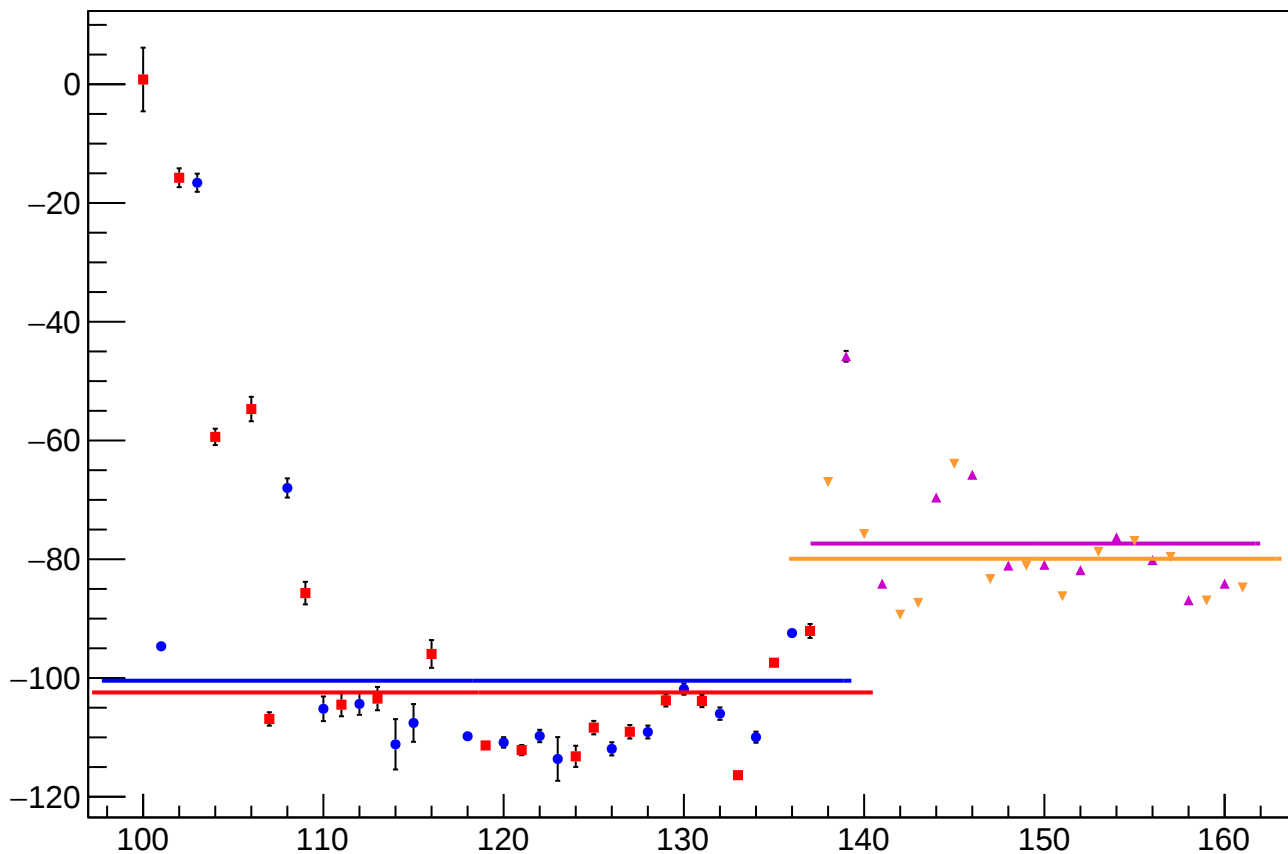
Right Out: 10.317 $\pm$ 0.417 χ^2/NDF : 2281.5/18

Left In: 18.269 $\pm$ 0.158 χ^2/NDF : 922.4/10

14.400 $\pm$ 0.145 χ^2/NDF : 4876.1/29

17.267 $\pm$ 0.148 χ^2/NDF : 3521.9/29

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457 $\pm$ 0.251 χ^2 /NDF: 4461.1/16

Left Out: -79.918 $\pm$ 0.129 χ^2 /NDF:3385.8/12

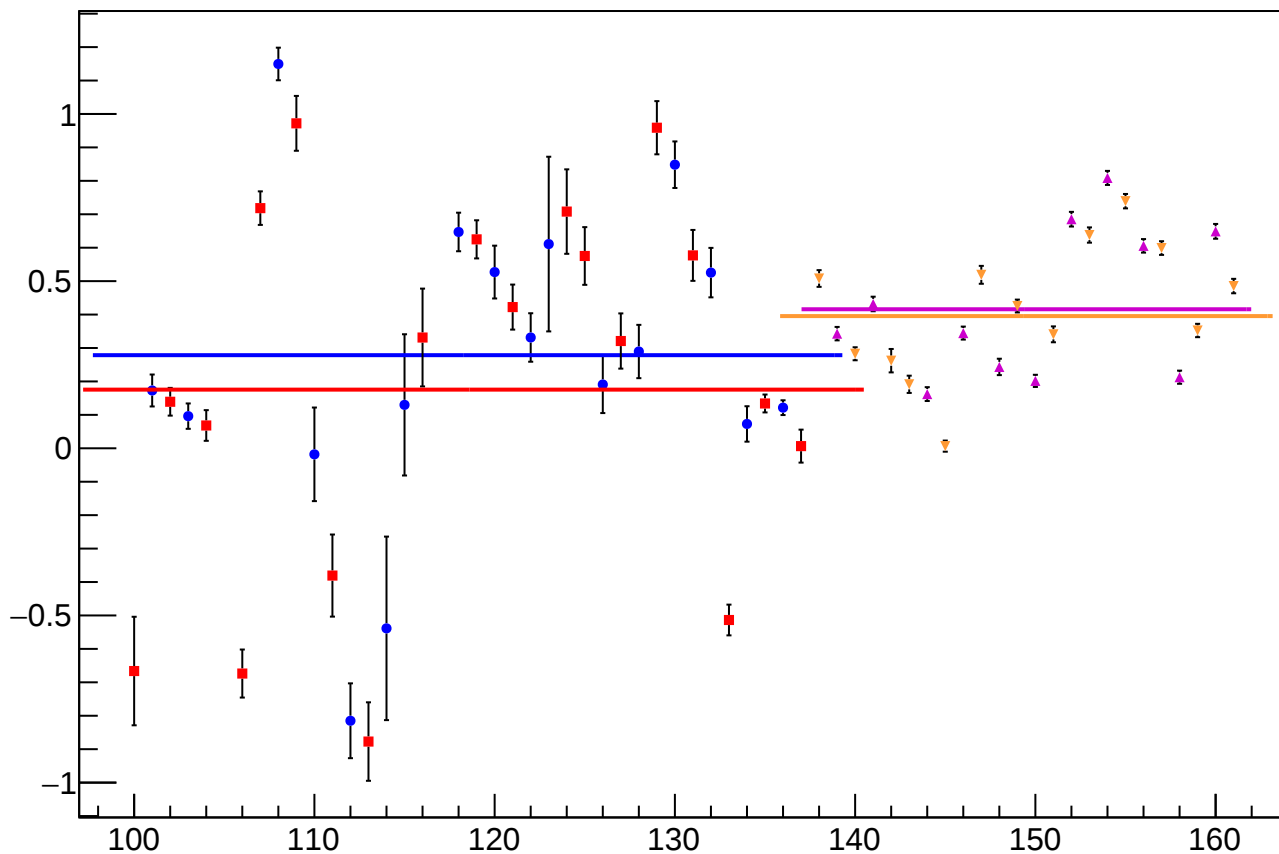
Right Out: -102.431 $\pm$ 0.246 χ^2 /NDF: 6094.3/18

Left In: -77.354 $\pm$ 0.133 χ^2 /NDF:3980.3/10

-84.193 $\pm$ 0.114 χ^2 /NDF: 13160.2/29

-83.025 $\pm$ 0.117 χ^2 /NDF: 18099.3/29

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: 0.395 $\pm$ 0.006 χ^2 /NDF:1192.8/12

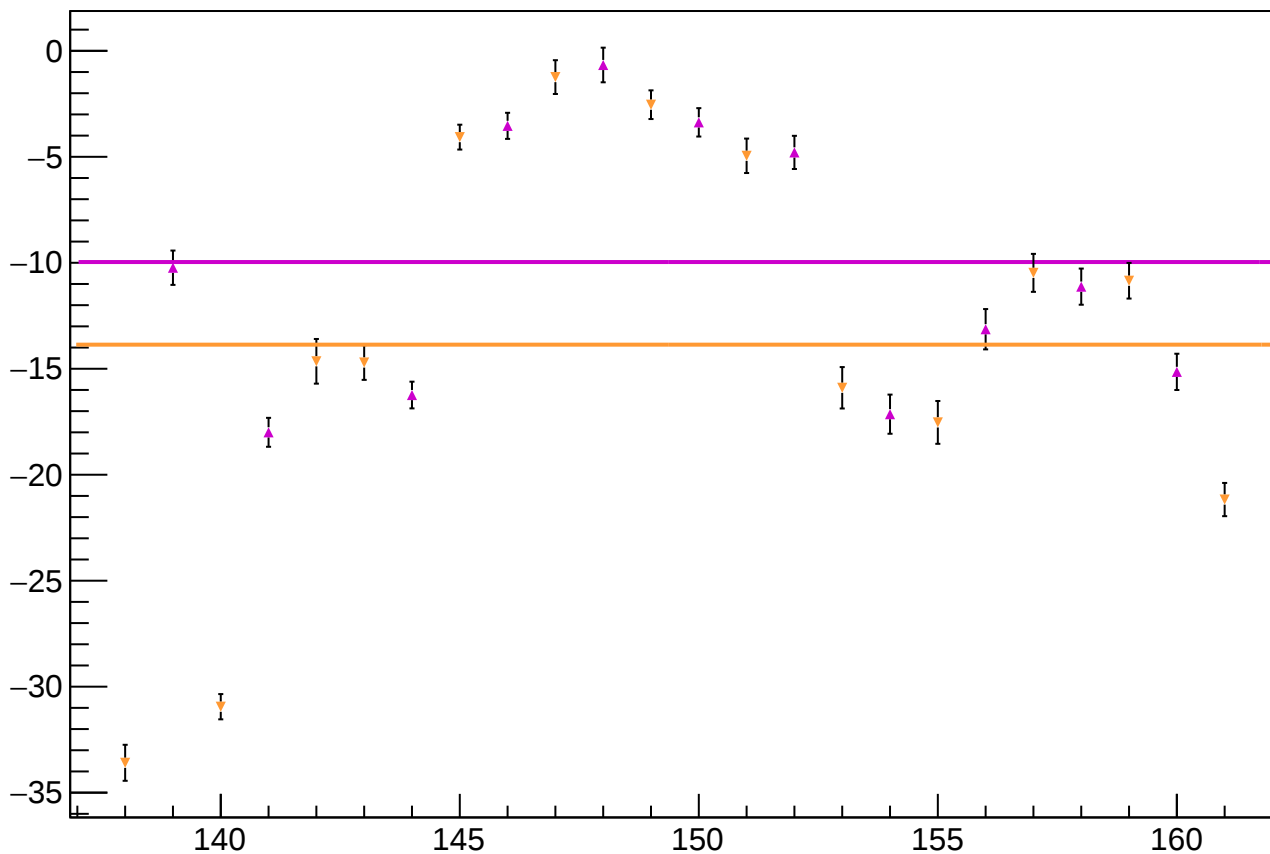
Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

Left In: 0.416 $\pm$ 0.006 χ^2 /NDF:1169.1/10

0.376 $\pm$ 0.006 χ^2 /NDF: 1908.9/29

0.373 $\pm$ 0.006 χ^2 /NDF: 2398.7/29

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -13.863+/-0.218 χ^2/NDF : 2423.5/12

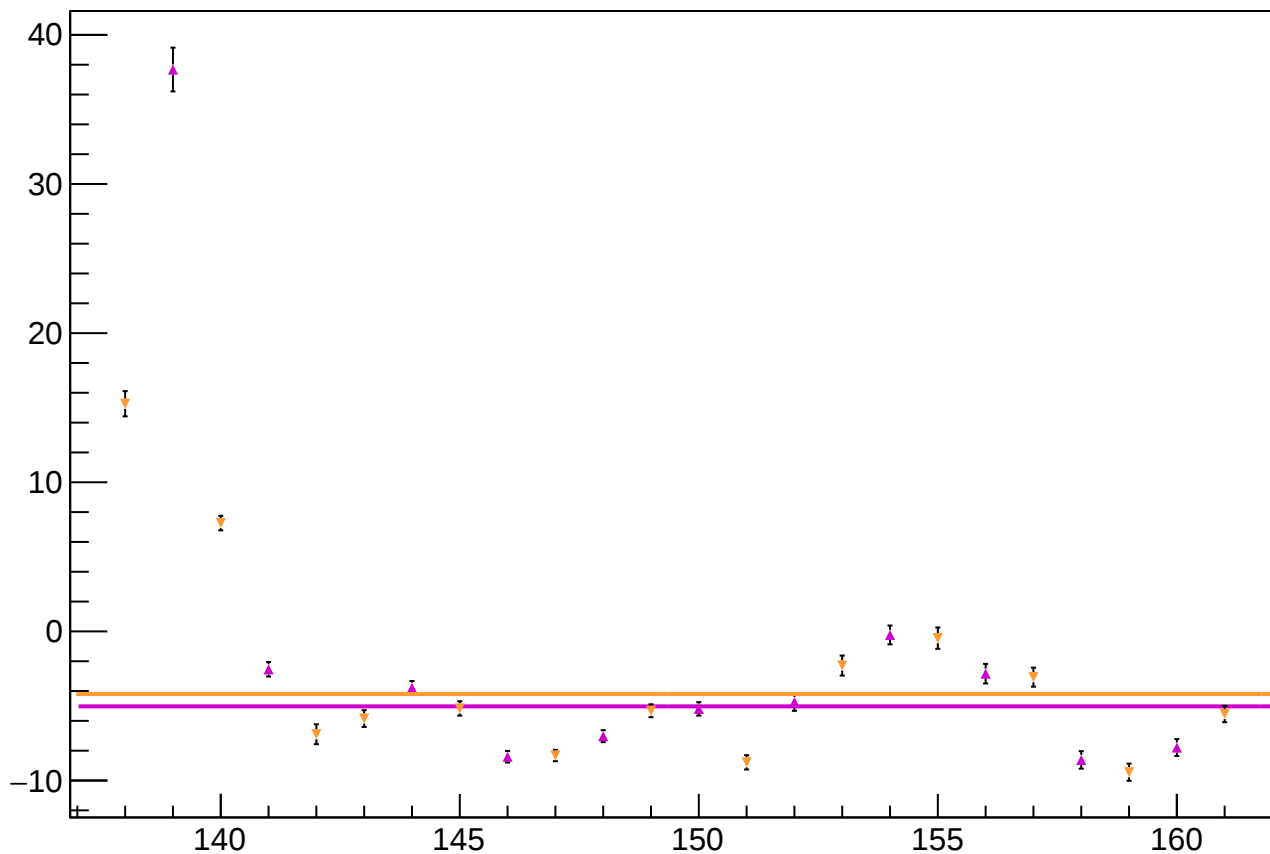
-13.863+/-0.218 χ^2/NDF : 2423.5/12

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

-9.965+/-0.228 χ^2/NDF : 726.7/10

Left In: -9.965+/-0.228 χ^2/NDF : 726.7/10

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -4.203+/-0.150 χ^2/NDF : 1448.5/12

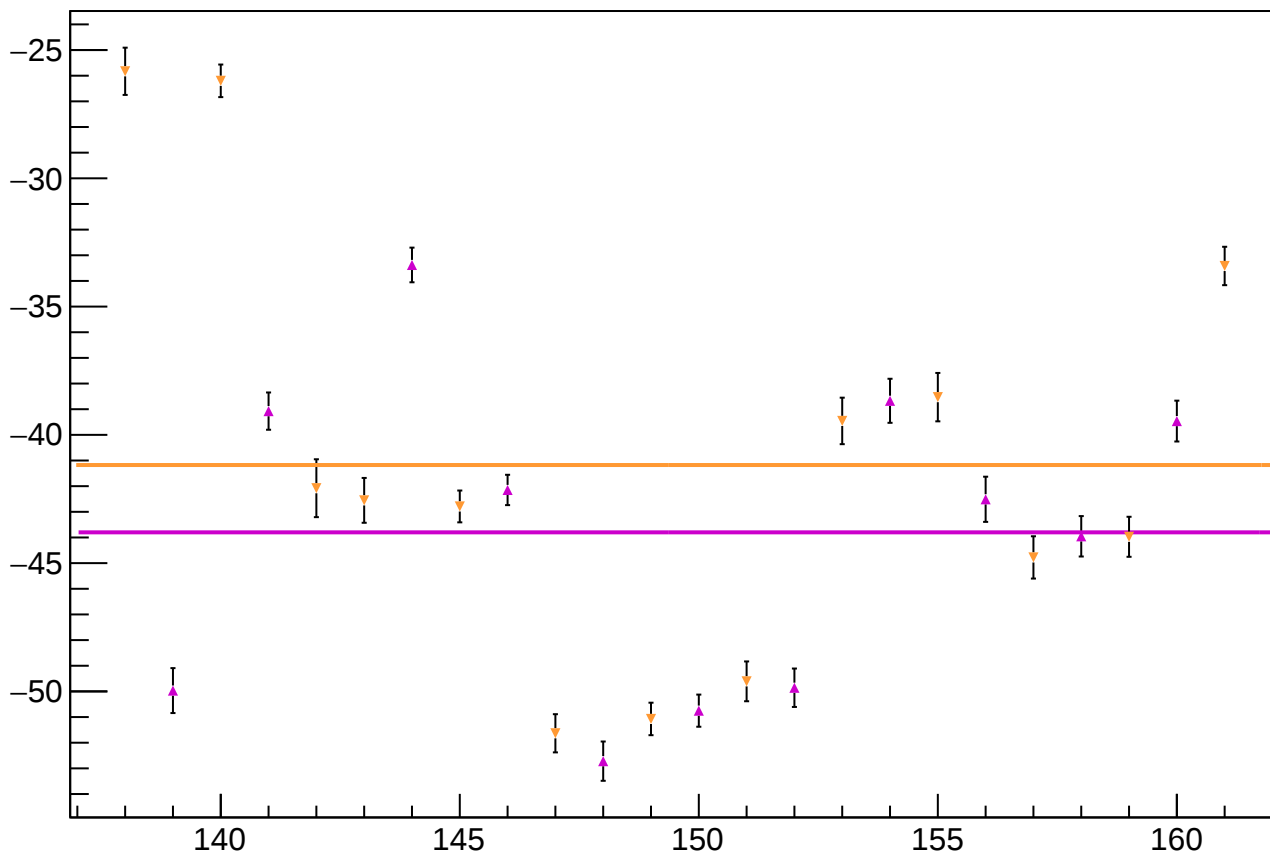
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -5.028+/-0.156 χ^2/NDF : 1111.9/10

-4.203+/-0.150 χ^2/NDF : 1448.5/12

-5.028+/-0.156 χ^2/NDF : 1111.9/10

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -41.176 $\pm$ 0.215 χ^2/NDF :1554.9/12

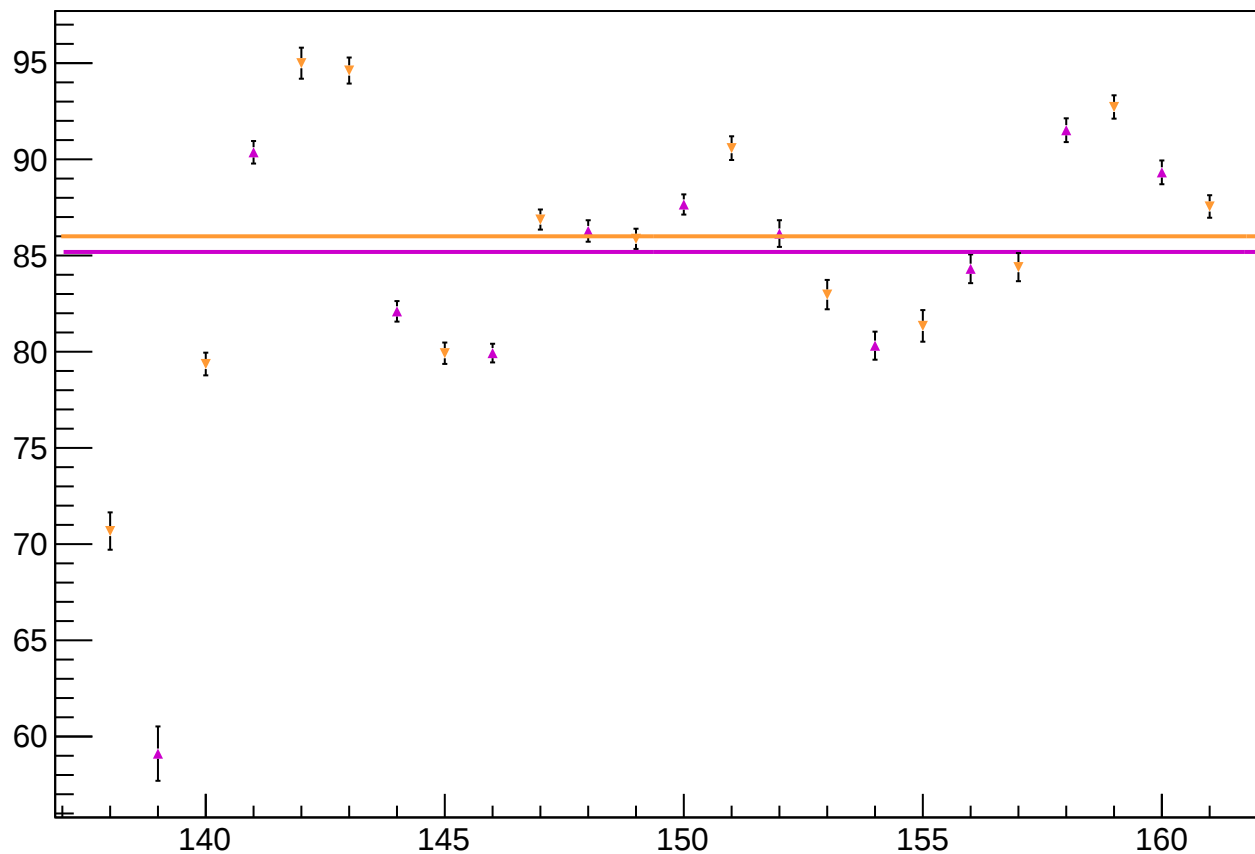
-41.176 $\pm$ 0.215 χ^2/NDF : 1554.9/12

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

Left In: -43.800 $\pm$ 0.223 χ^2/NDF :729.7/10

-43.800 $\pm$ 0.223 χ^2/NDF : 729.7/10

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 85.999+/-0.178 χ^2/NDF :1022.1/12

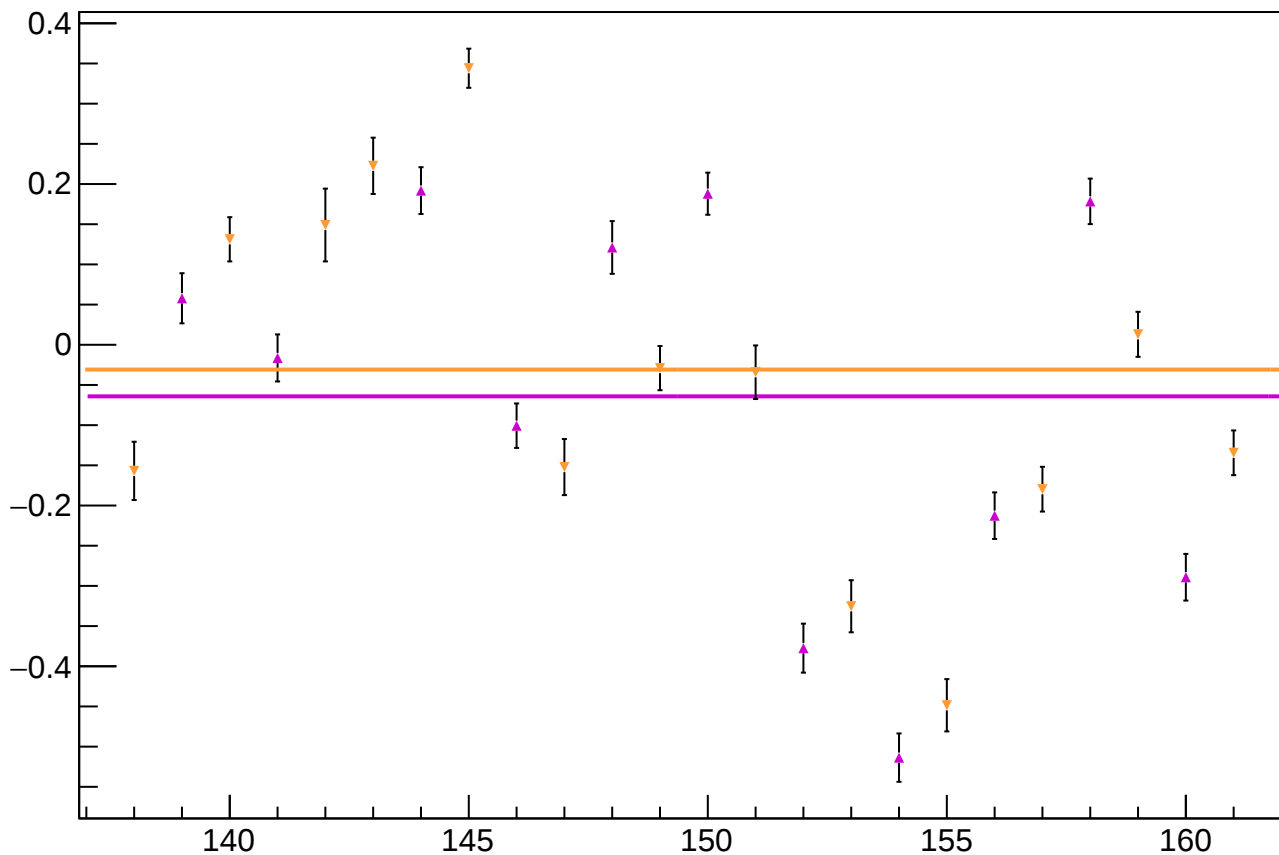
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 85.186+/-0.186 χ^2/NDF :793.4/10

85.999+/-0.178 χ^2/NDF : 1022.1/12

85.186+/-0.186 χ^2/NDF : 793.4/10

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



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

Left Out: -0.031+/-0.008 χ^2/NDF : 656.5/12

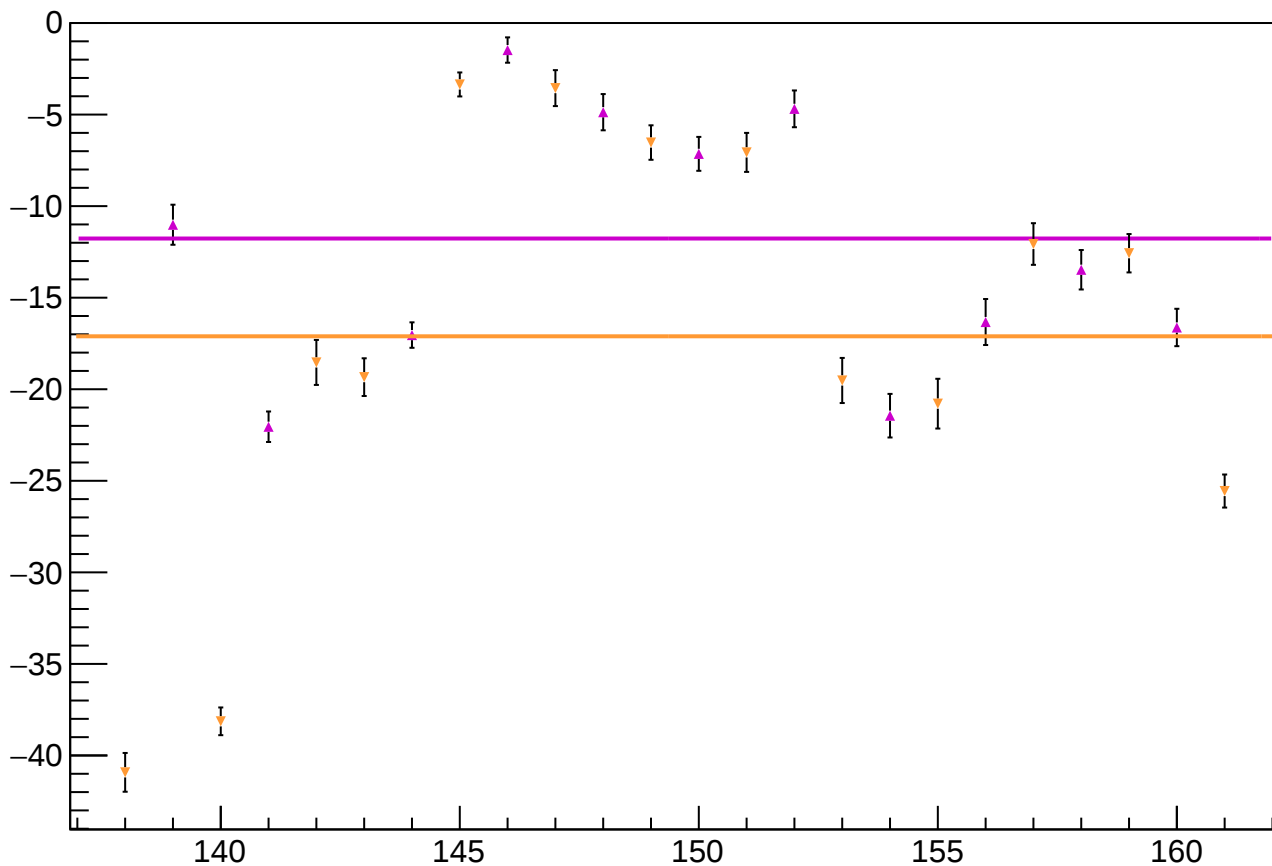
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.064+/-0.009 χ^2/NDF : 710.0/10

-0.031+/-0.008 χ^2/NDF : 656.5/12

-0.064+/-0.009 χ^2/NDF : 710.0/10

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -17.109+/-0.270 χ^2/NDF :2268.0/12

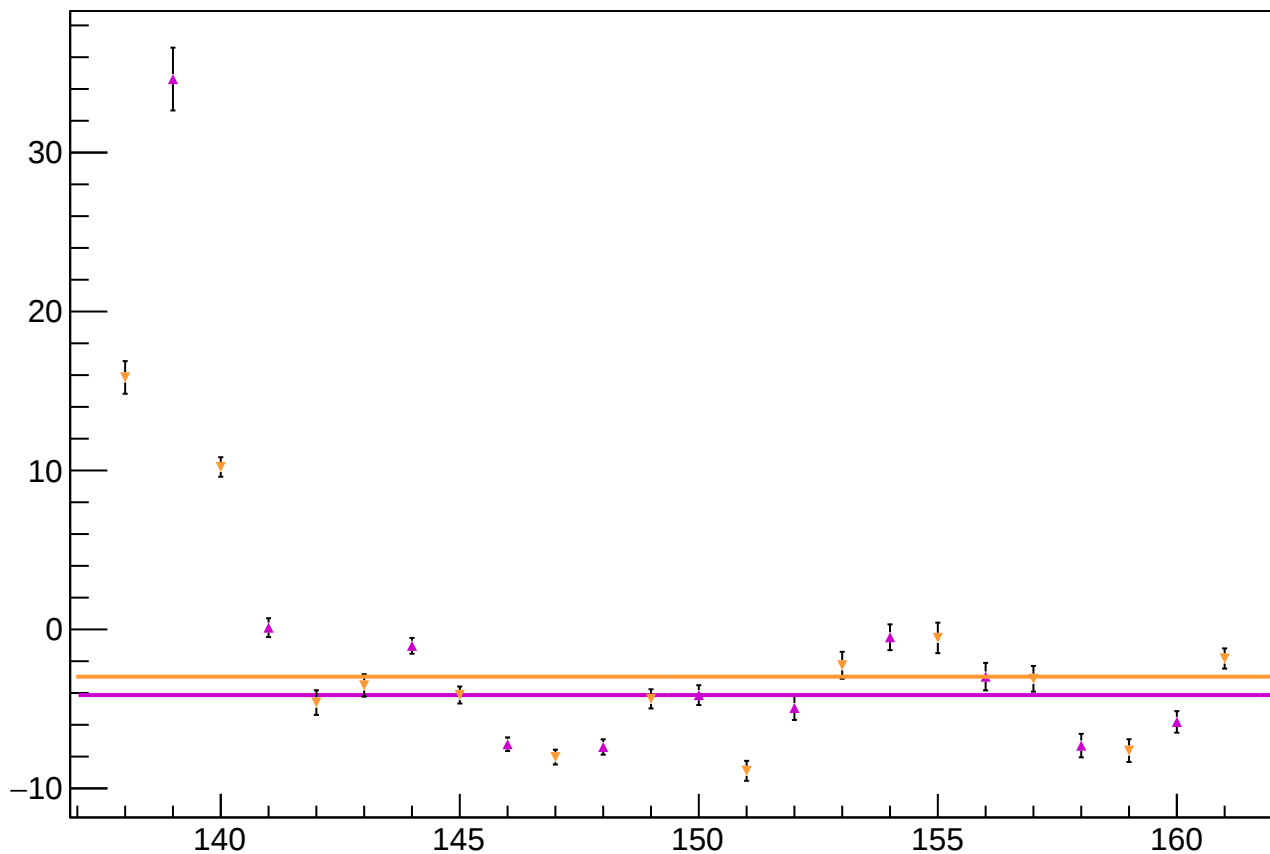
-17.109+/-0.270 χ^2/NDF : 2268.0/12

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

Left In: -11.769+/-0.280 χ^2/NDF :659.0/10

-11.769+/-0.280 χ^2/NDF : 659.0/10

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -2.973+/-0.185 χ^2/NDF :1071.3/12

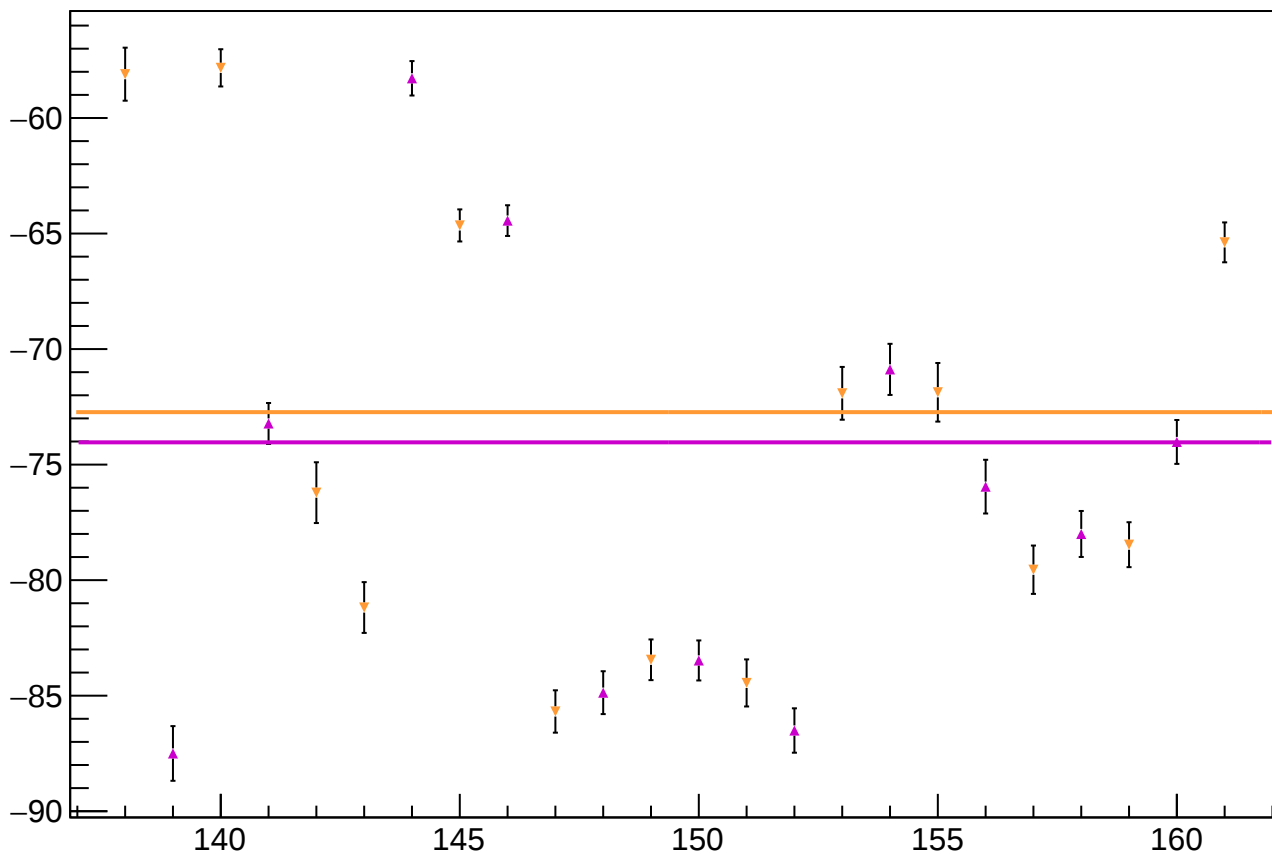
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -4.129+/-0.189 χ^2/NDF :621.0/10

-2.973+/-0.185 χ^2/NDF : 1071.3/12

-4.129+/-0.189 χ^2/NDF : 621.0/10

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -72.729+/-0.268 χ^2/NDF :1336.9/12

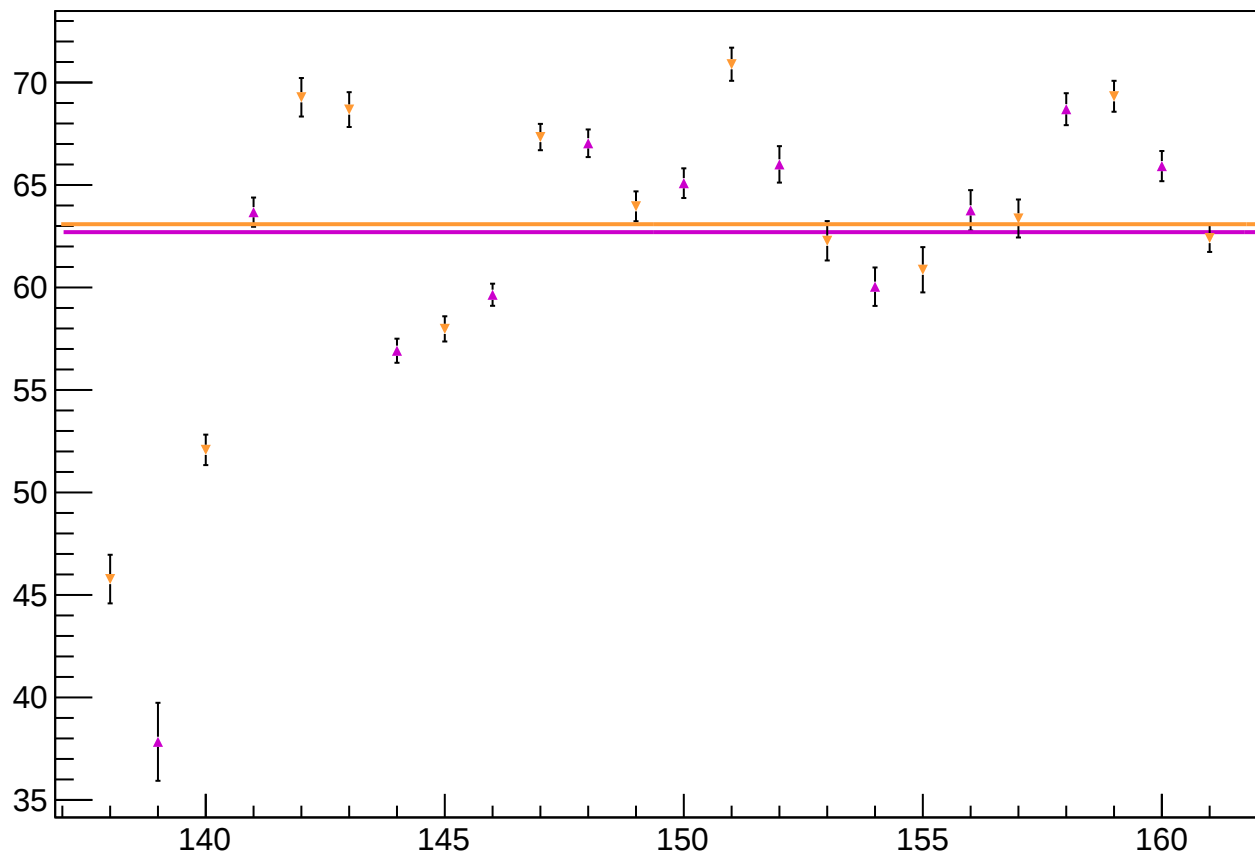
-72.729+/-0.268 χ^2/NDF : 1336.9/12

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

Left In: -74.036+/-0.274 χ^2/NDF :1236.4/10

-74.036+/-0.274 χ^2/NDF : 1236.4/10

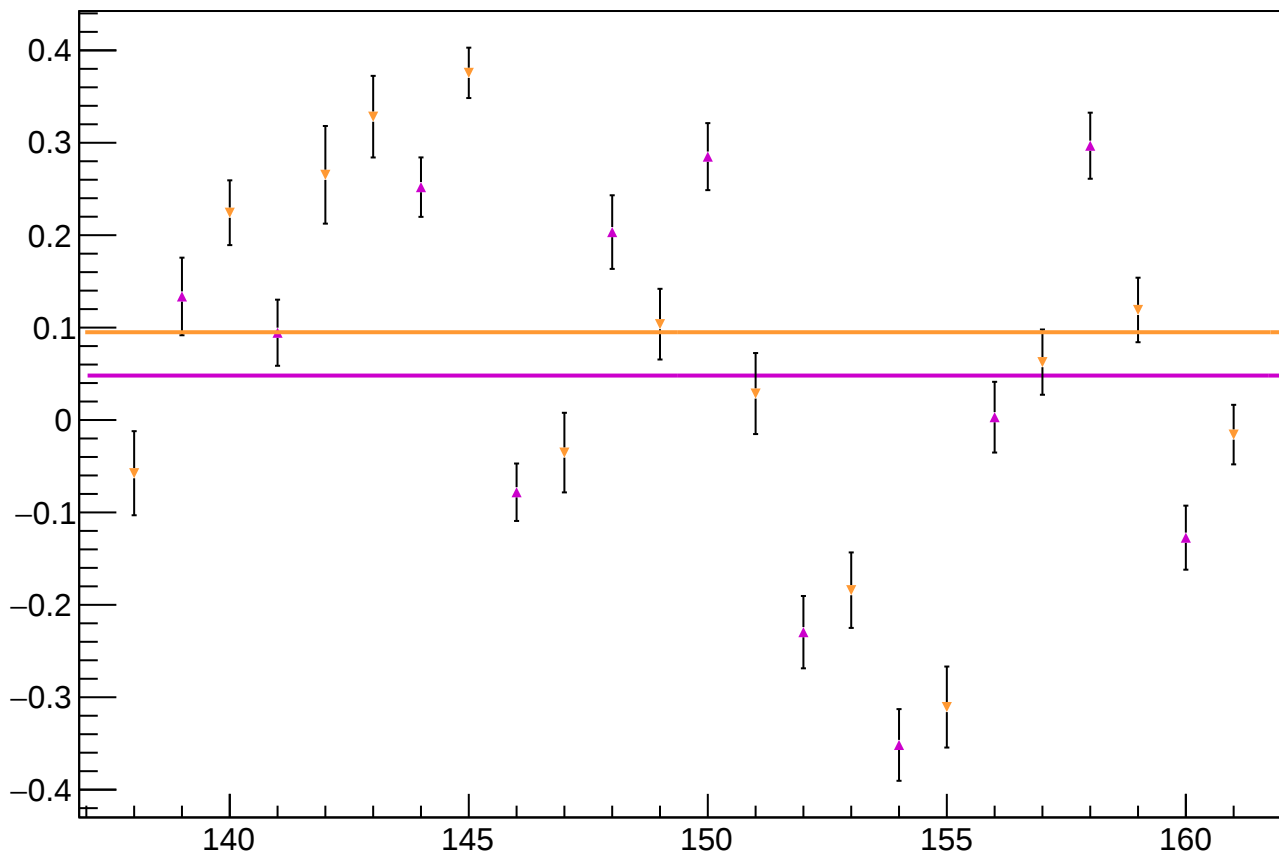
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 63.087+/-0.221 χ^2/NDF :801.1/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 62.699+/-0.226 χ^2/NDF :455.2/10

63.087+/-0.221 χ^2/NDF : 801.1/12
 62.699+/-0.226 χ^2/NDF : 455.2/10

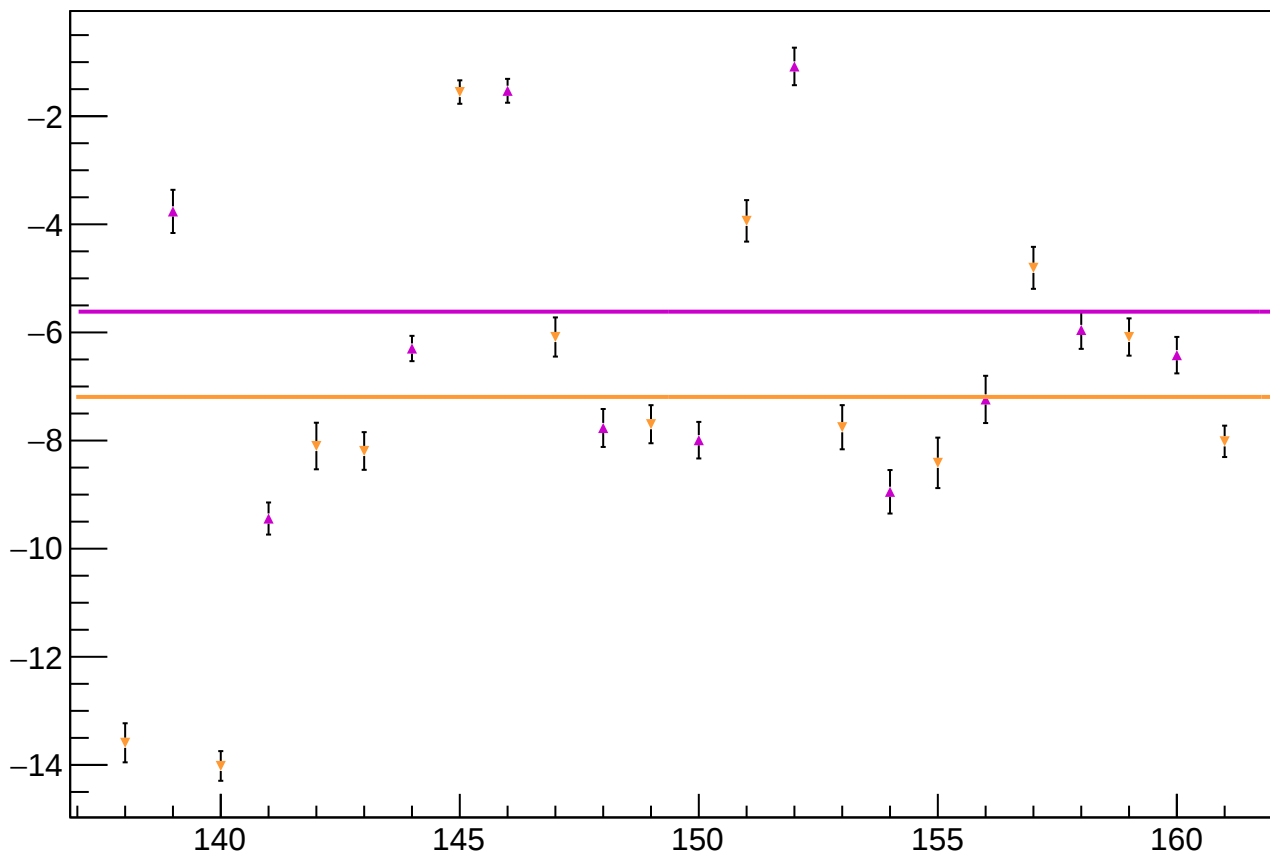
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.095 $\pm$ 0.011 χ^2 /NDF:326.2/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.048 $\pm$ 0.011 χ^2 /NDF:352.3/10

0.095 $\pm$ 0.011 χ^2 /NDF: 326.2/12
 0.048 $\pm$ 0.011 χ^2 /NDF: 352.3/10

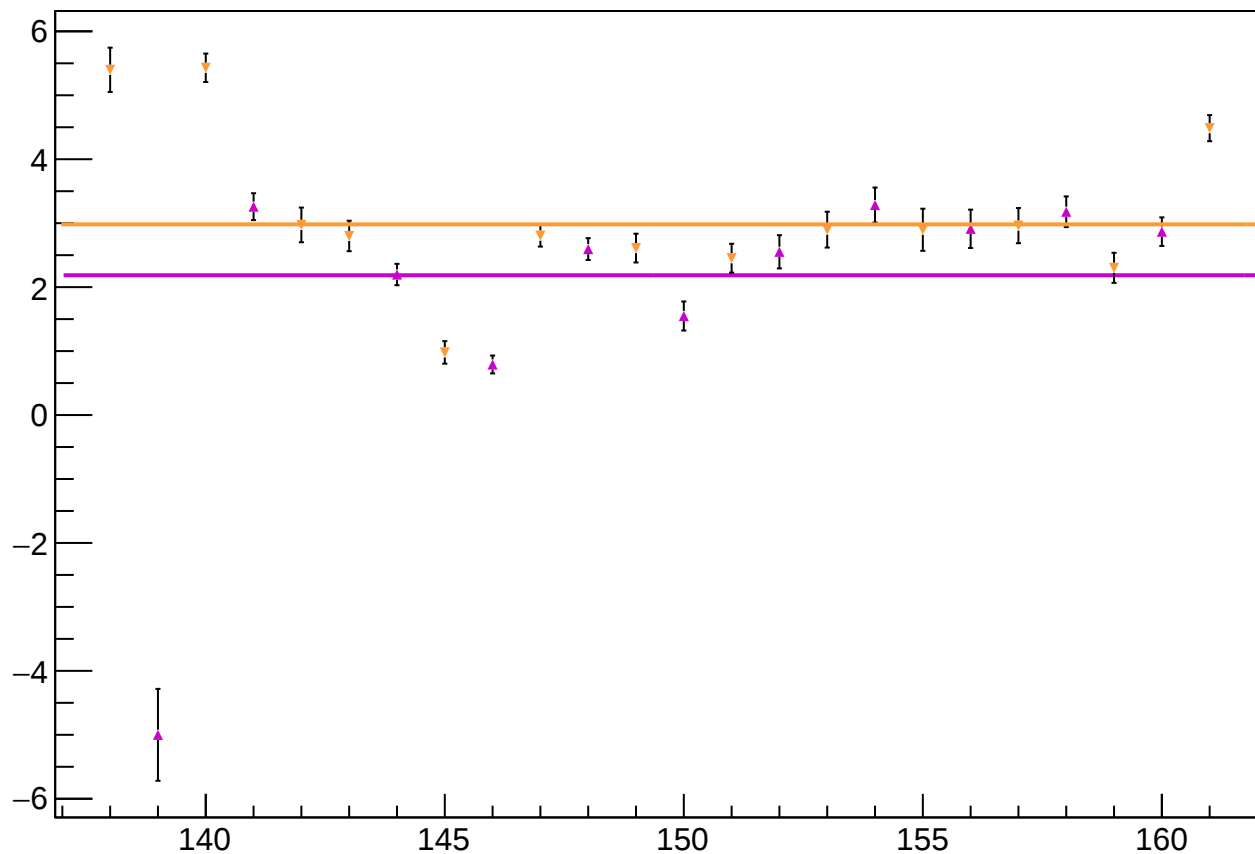
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.193+/-0.093 χ^2/NDF :1767.3/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.616+/-0.095 χ^2/NDF :885.1/10

-7.193+/-0.093 χ^2/NDF : 1767.3/12
 -5.616+/-0.095 χ^2/NDF : 885.1/10

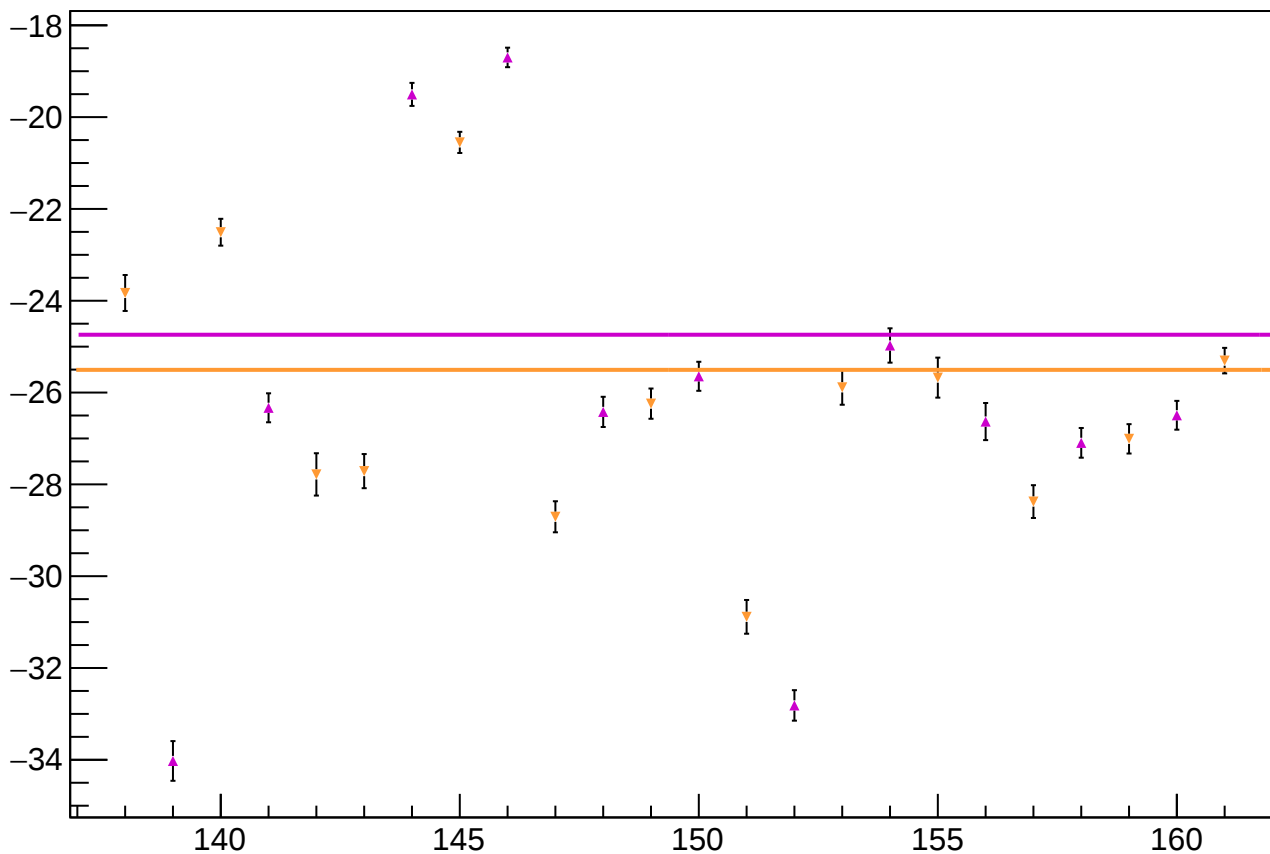
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.982+/-0.064 χ^2/NDF :371.6/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.186+/-0.064 χ^2/NDF :290.0/10

2.982+/-0.064 χ^2/NDF : 371.6/12
 2.186+/-0.064 χ^2/NDF : 290.0/10

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -25.505+/-0.092 χ^2/NDF :1042.6/12

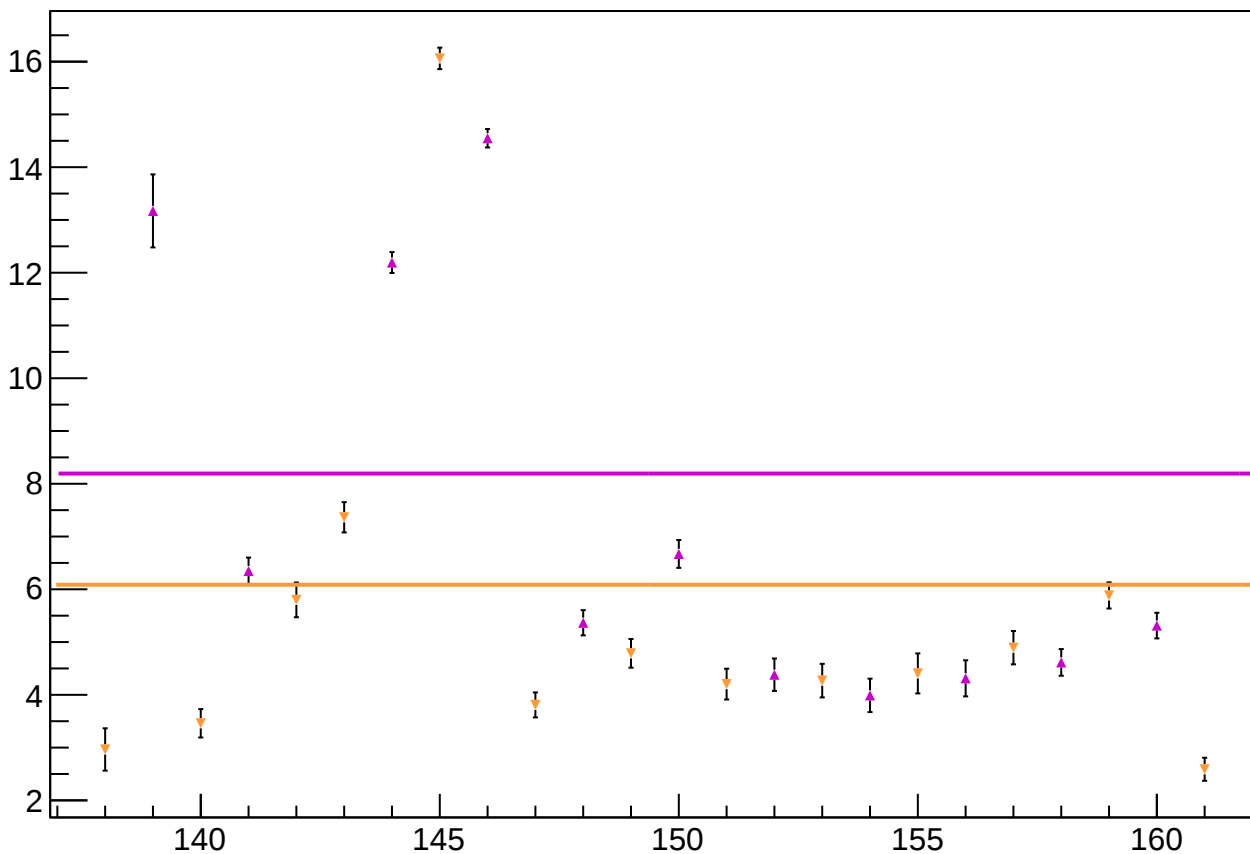
-25.505+/-0.092 χ^2/NDF : 1042.6/12

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

-24.740+/-0.093 χ^2/NDF : 2462.0/10

Left In: -24.740+/-0.093 χ^2/NDF :2462.0/10

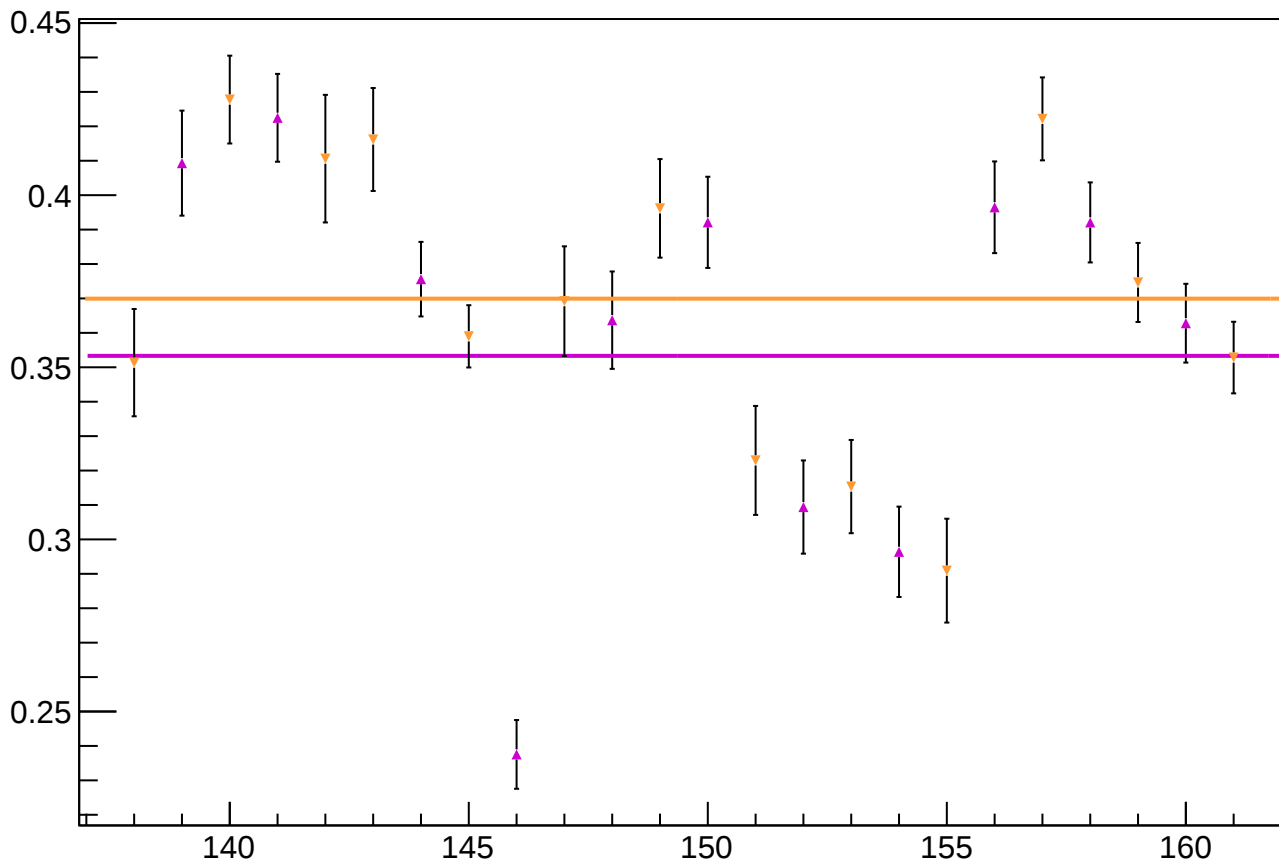
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.086+/-0.076 χ^2/NDF : 3067.6/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.194+/-0.077 χ^2/NDF : 2806.0/10

6.086+/-0.076 χ^2/NDF : 3067.6/12
 8.194+/-0.077 χ^2/NDF : 2806.0/10

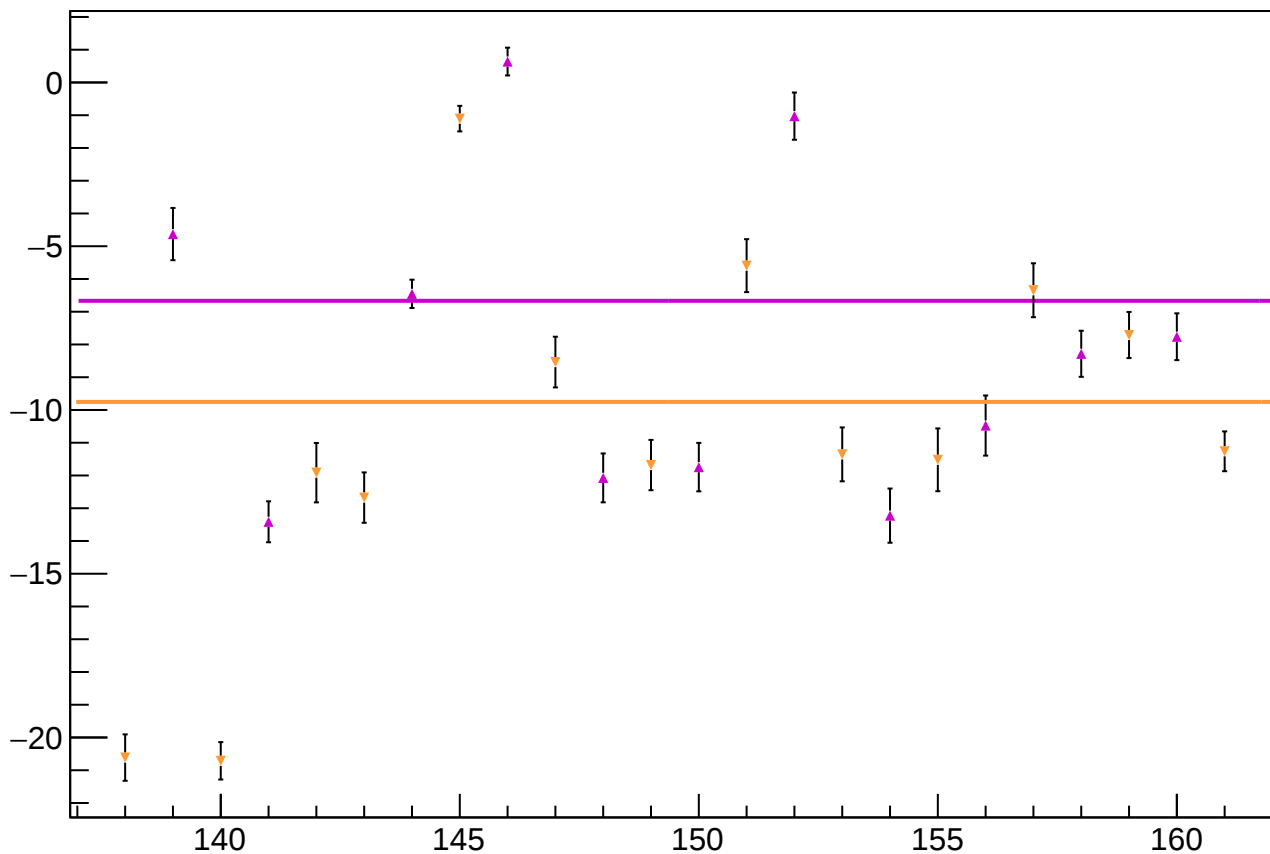
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.370+/-0.004 χ^2/NDF :115.3/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.353+/-0.004 χ^2/NDF :242.2/10

0.370+/-0.004 χ^2/NDF : 115.3/12
 0.353+/-0.004 χ^2/NDF : 242.2/10

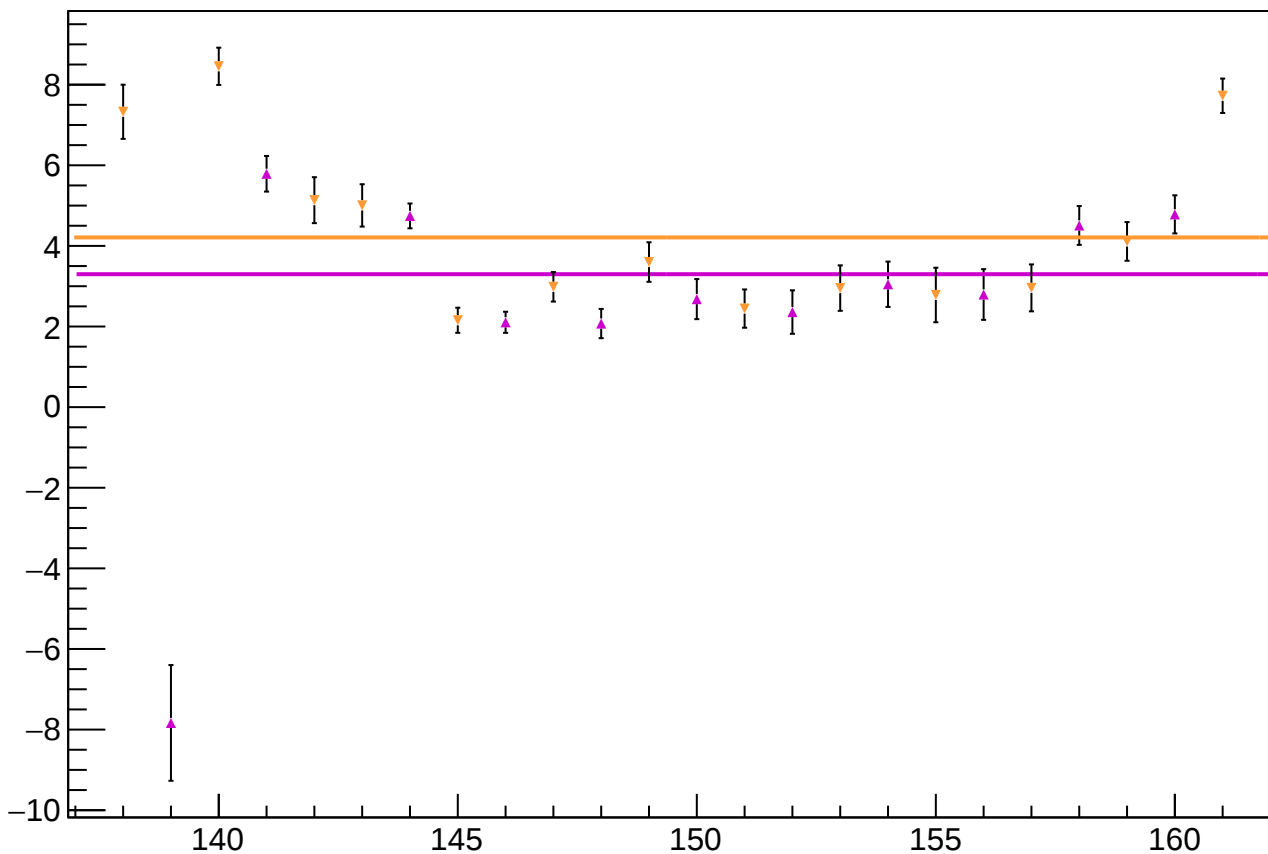
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.753+/-0.188 χ^2/NDF : 1188.6/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.666+/-0.192 χ^2/NDF : 668.3/10

-9.753+/-0.188 χ^2/NDF : 1188.6/12
 -6.666+/-0.192 χ^2/NDF : 668.3/10

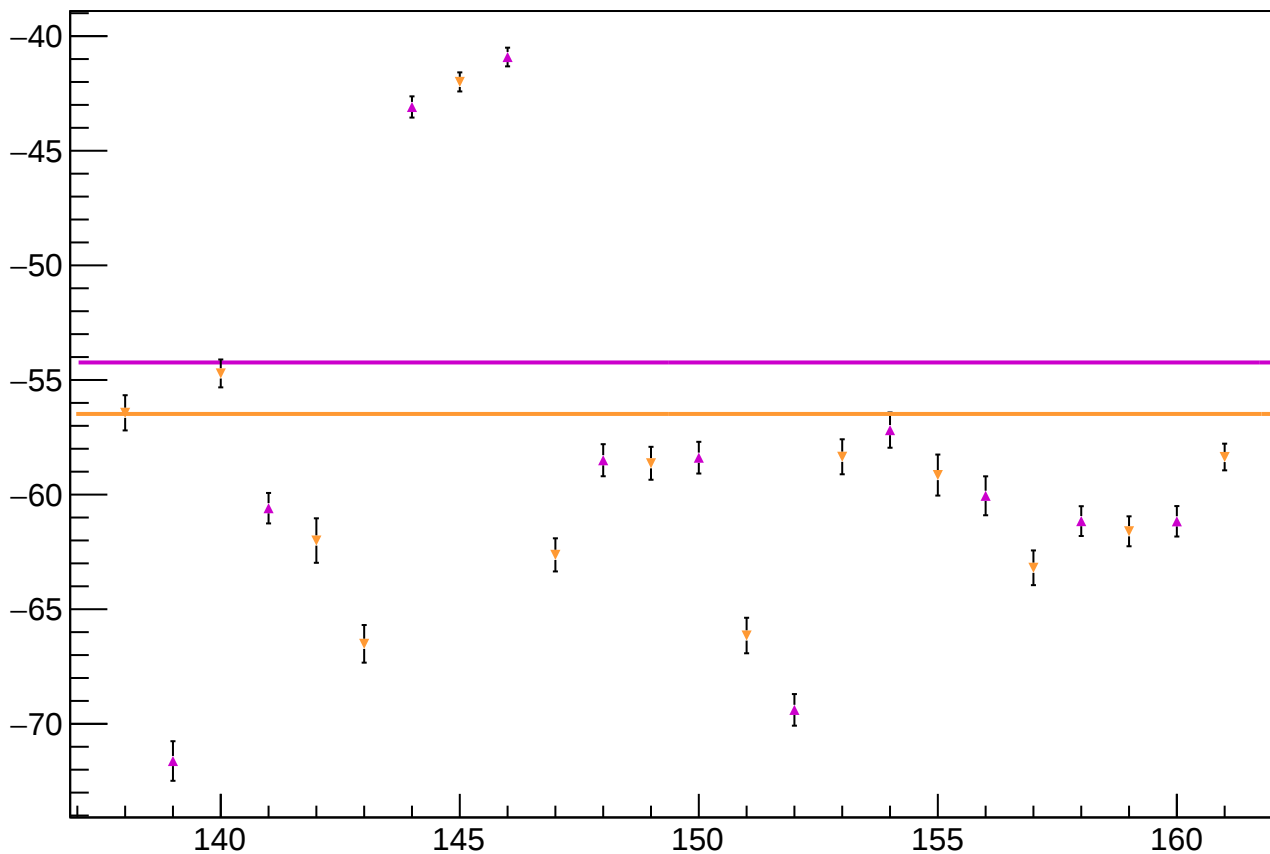
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.211+/-0.131 χ^2/NDF : 262.7/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.298+/-0.129 χ^2/NDF : 167.7/10

4.211+/-0.131 χ^2/NDF : 262.7/12
 3.298+/-0.129 χ^2/NDF : 167.7/10

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -56.481+/-0.188 χ^2/NDF :1805.2/12

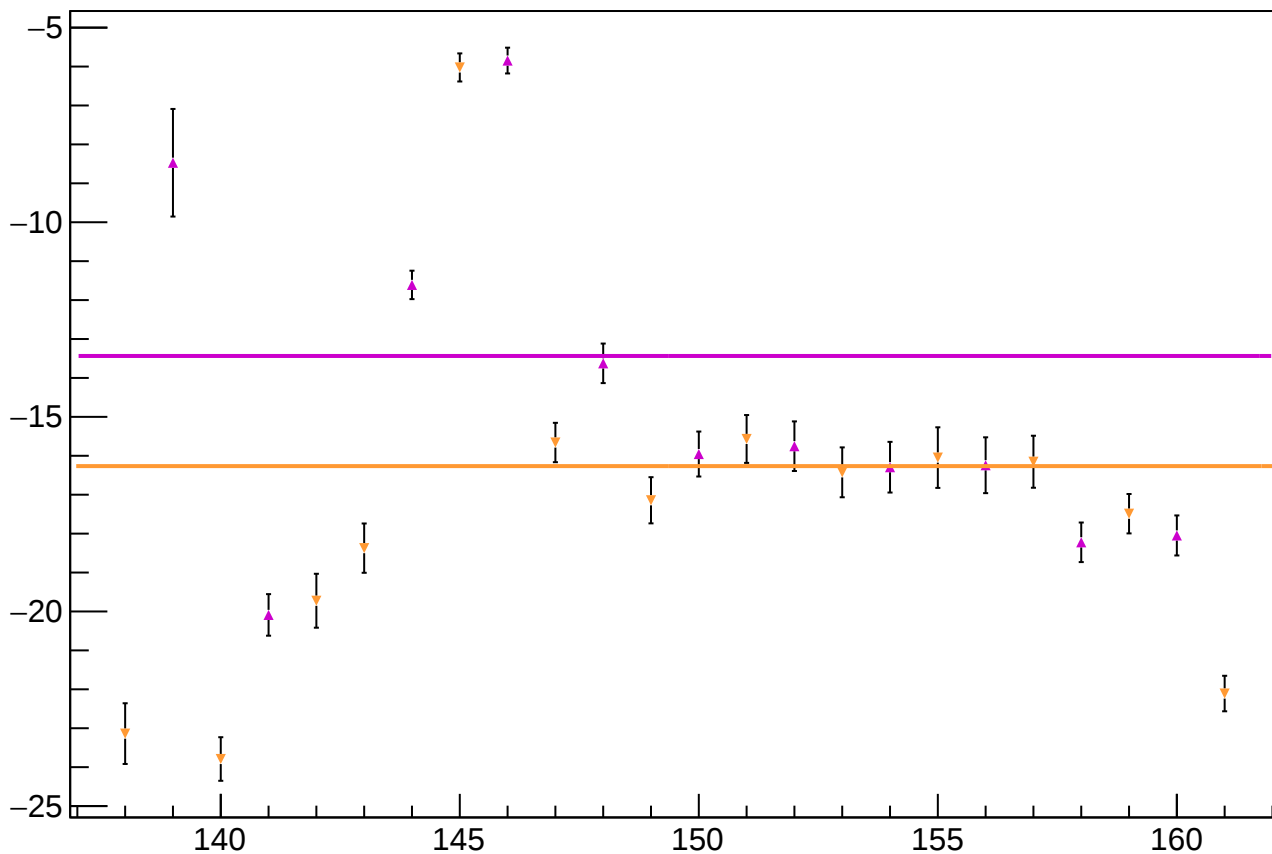
-56.481+/-0.188 χ^2/NDF : 1805.2/12

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

Left In: -54.236+/-0.188 χ^2/NDF :2983.7/10

-54.236+/-0.188 χ^2/NDF : 2983.7/10

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



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

Left Out: -16.265+/-0.155 χ^2/NDF : 1274.9/12

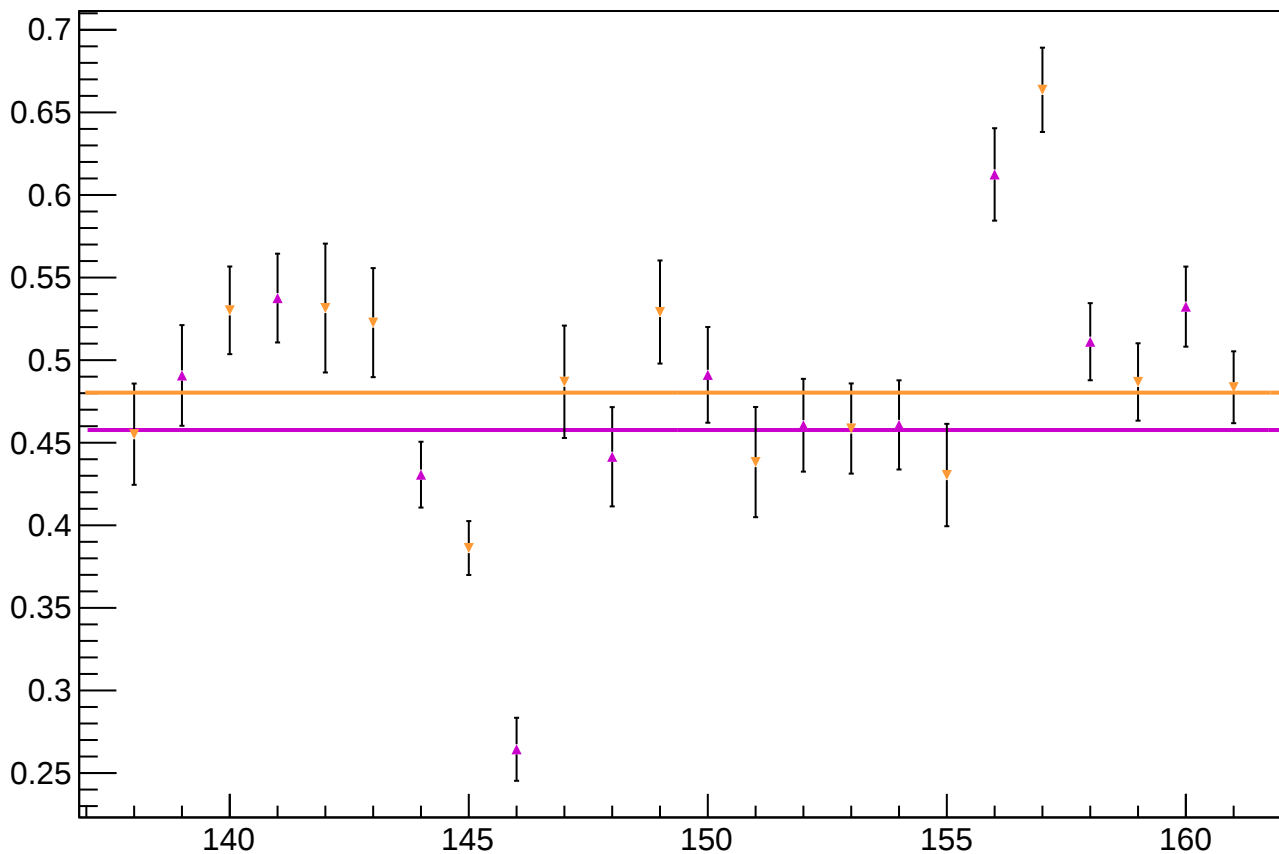
-16.265+/-0.155 χ^2/NDF : 1274.9/12

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

-13.435+/-0.154 χ^2/NDF : 954.5/10

Left In: -13.435+/-0.154 χ^2/NDF : 954.5/10

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.480+/-0.007 χ^2/NDF : 99.8/12

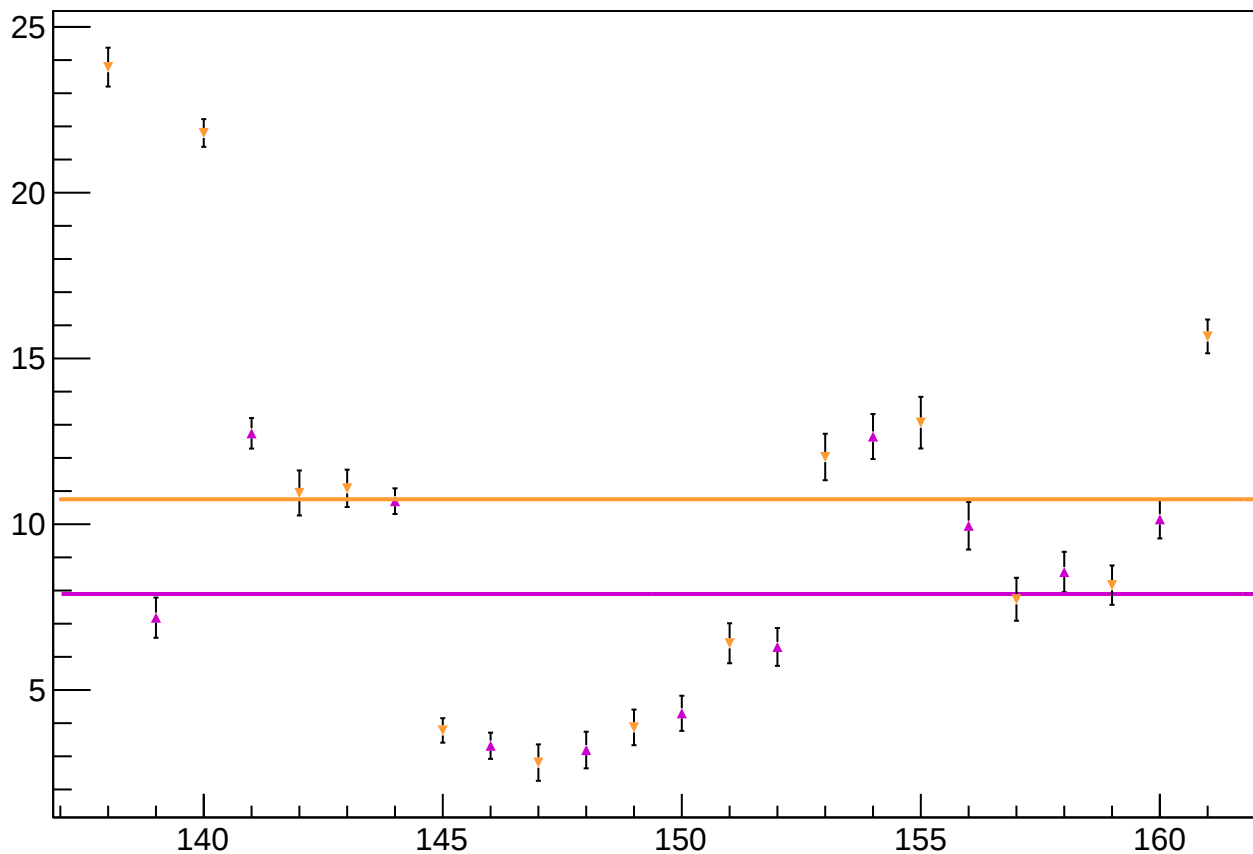
0.480+/-0.007 χ^2/NDF : 99.8/12

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

Left In: 0.458+/-0.008 χ^2/NDF : 161.4/10

0.458+/-0.008 χ^2/NDF : 161.4/10

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: 10.753+/-0.151 χ^2/NDF :2119.0/12

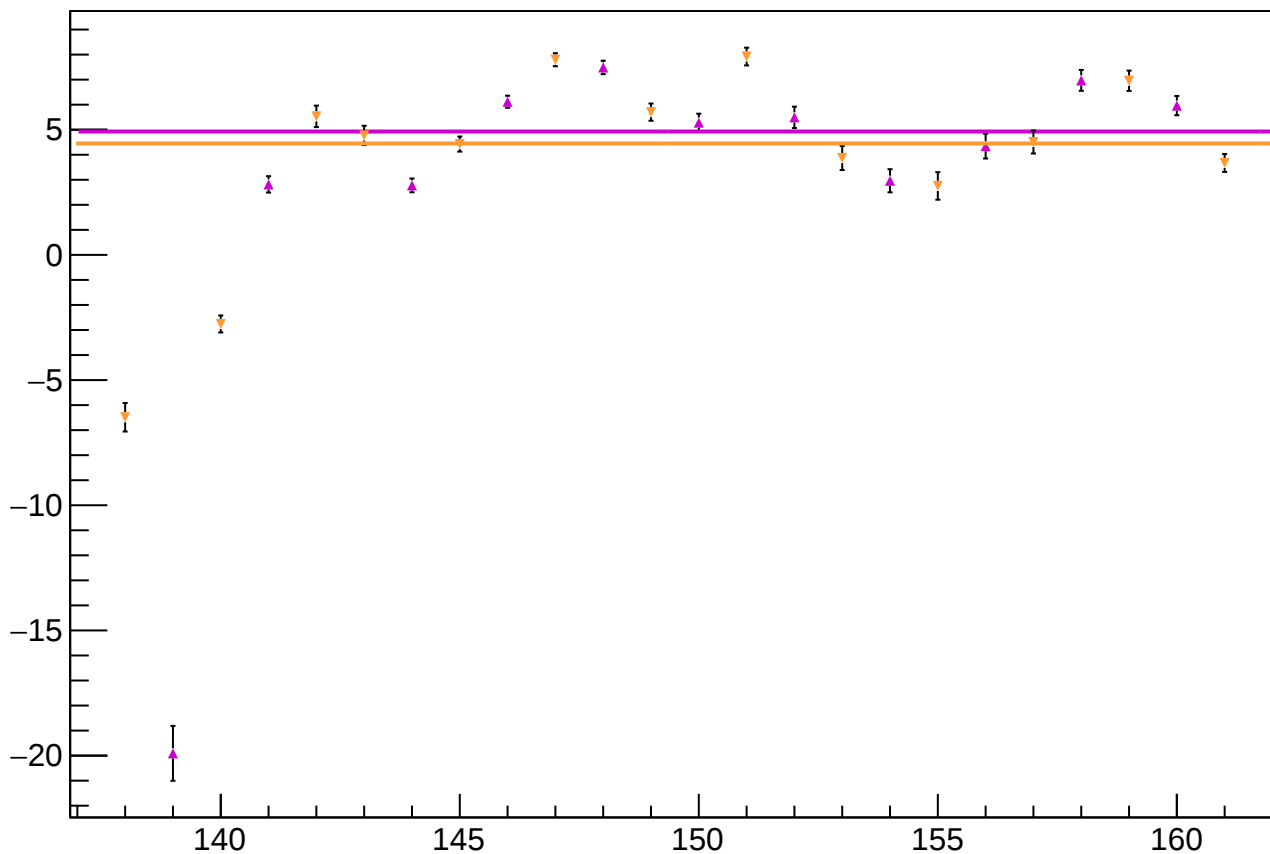
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 7.896+/-0.158 χ^2/NDF :498.2/10

10.753+/-0.151 χ^2/NDF : 2119.0/12

7.896+/-0.158 χ^2/NDF : 498.2/10

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: 4.452 $\pm$ 0.104 χ^2 /NDF:1154.4/12

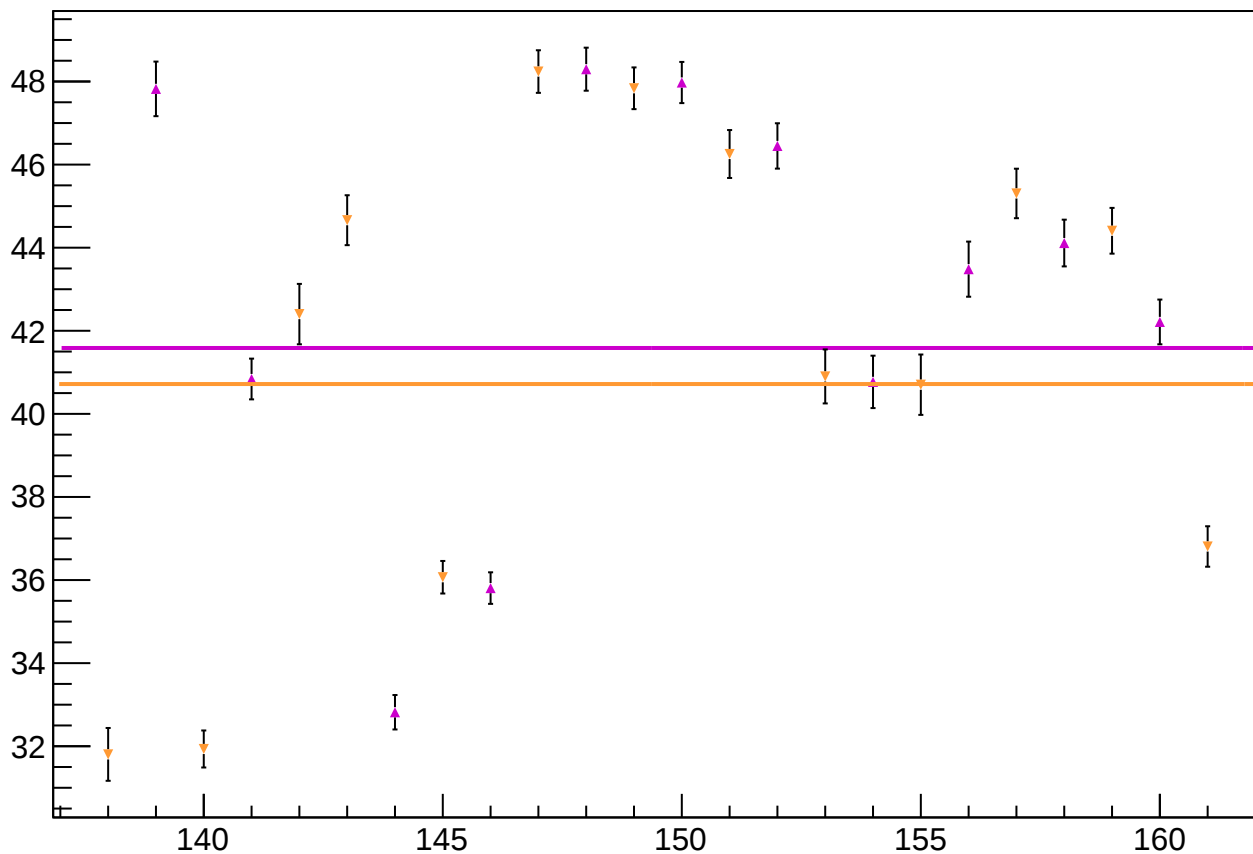
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 4.928 $\pm$ 0.106 χ^2 /NDF:783.7/10

4.452 $\pm$ 0.104 χ^2 /NDF: 1154.4/12

4.928 $\pm$ 0.106 χ^2 /NDF: 783.7/10

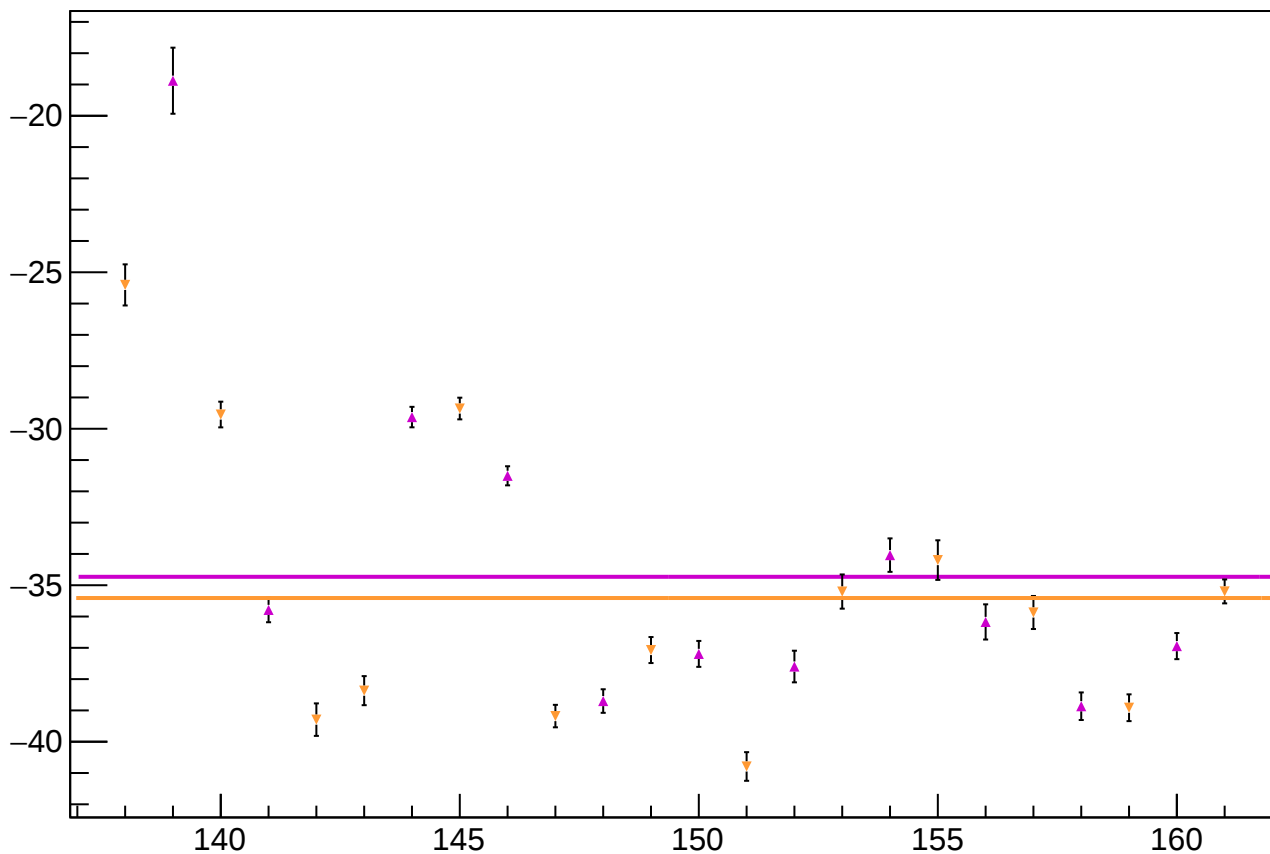
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 40.718+/-0.151 χ^2/NDF :1451.8/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 41.586+/-0.155 χ^2/NDF :1216.4/10

40.718+/-0.151 χ^2/NDF : 1451.8/12
 41.586+/-0.155 χ^2/NDF : 1216.4/10

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: -35.409+/-0.124 χ^2/NDF : 1174.7/12

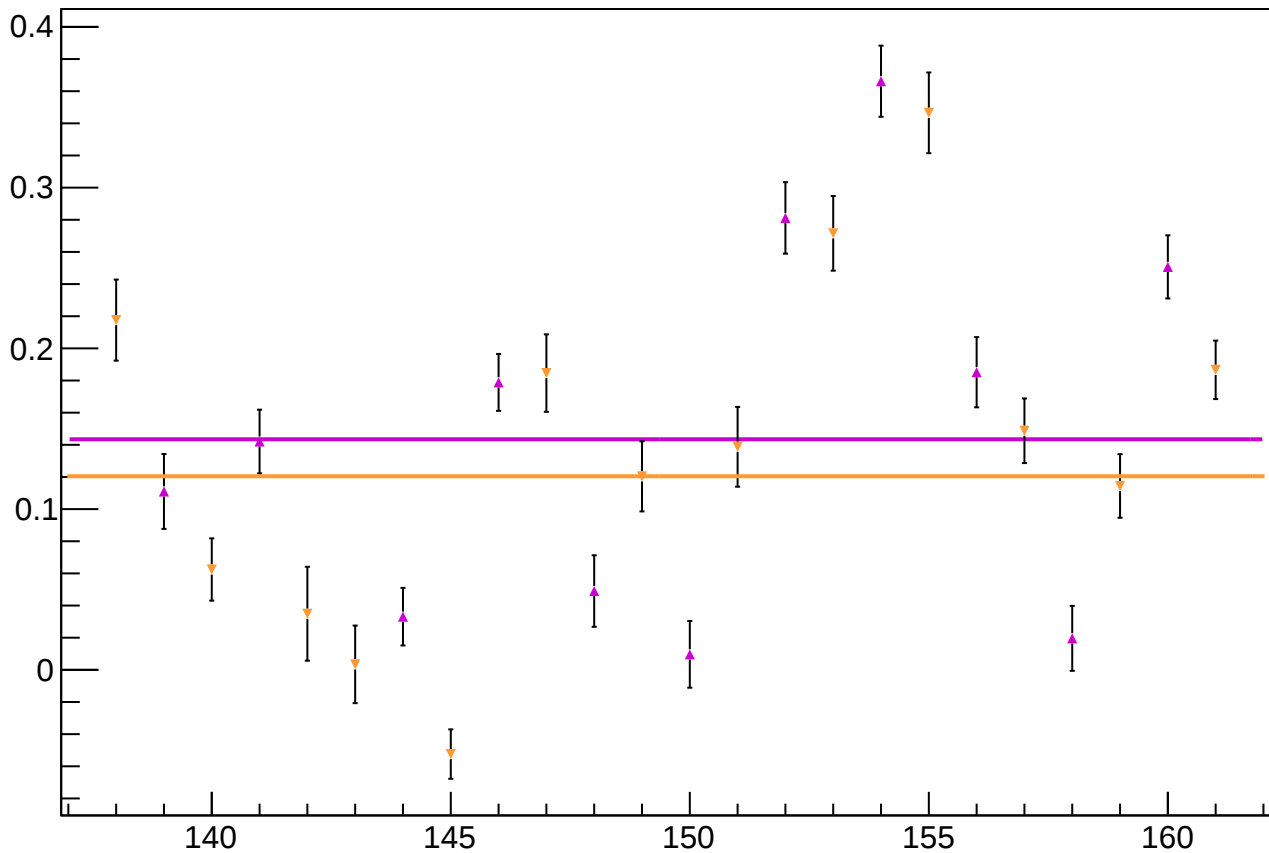
-35.409+/-0.124 χ^2/NDF : 1174.7/12

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

-34.731+/-0.127 χ^2/NDF : 891.2/10

Left In: -34.731+/-0.127 χ^2/NDF : 891.2/10

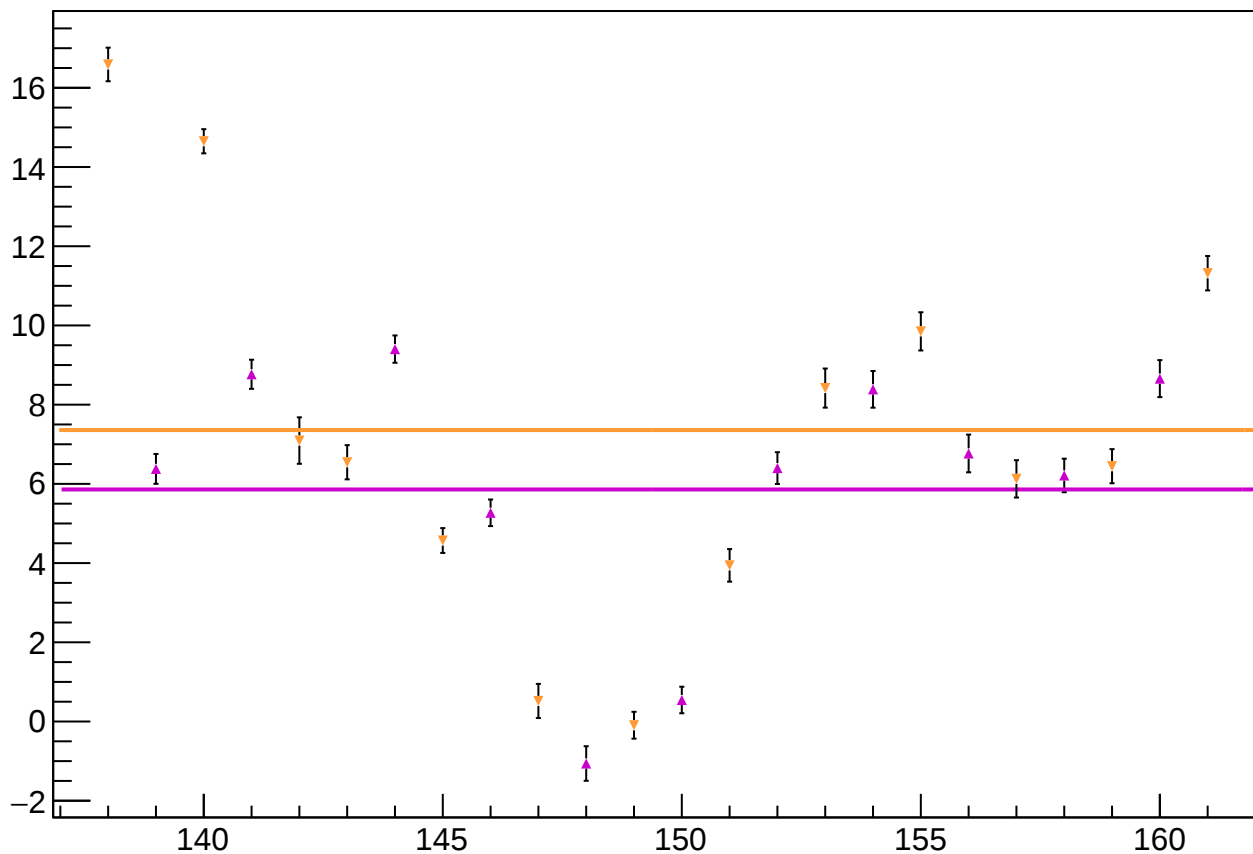
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.120 $\pm$ 0.006 χ^2/NDF :328.5/12
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 0.143 $\pm$ 0.006 χ^2/NDF :314.3/10

0.120 $\pm$ 0.006 χ^2/NDF : 328.5/12
 0.143 $\pm$ 0.006 χ^2/NDF : 314.3/10

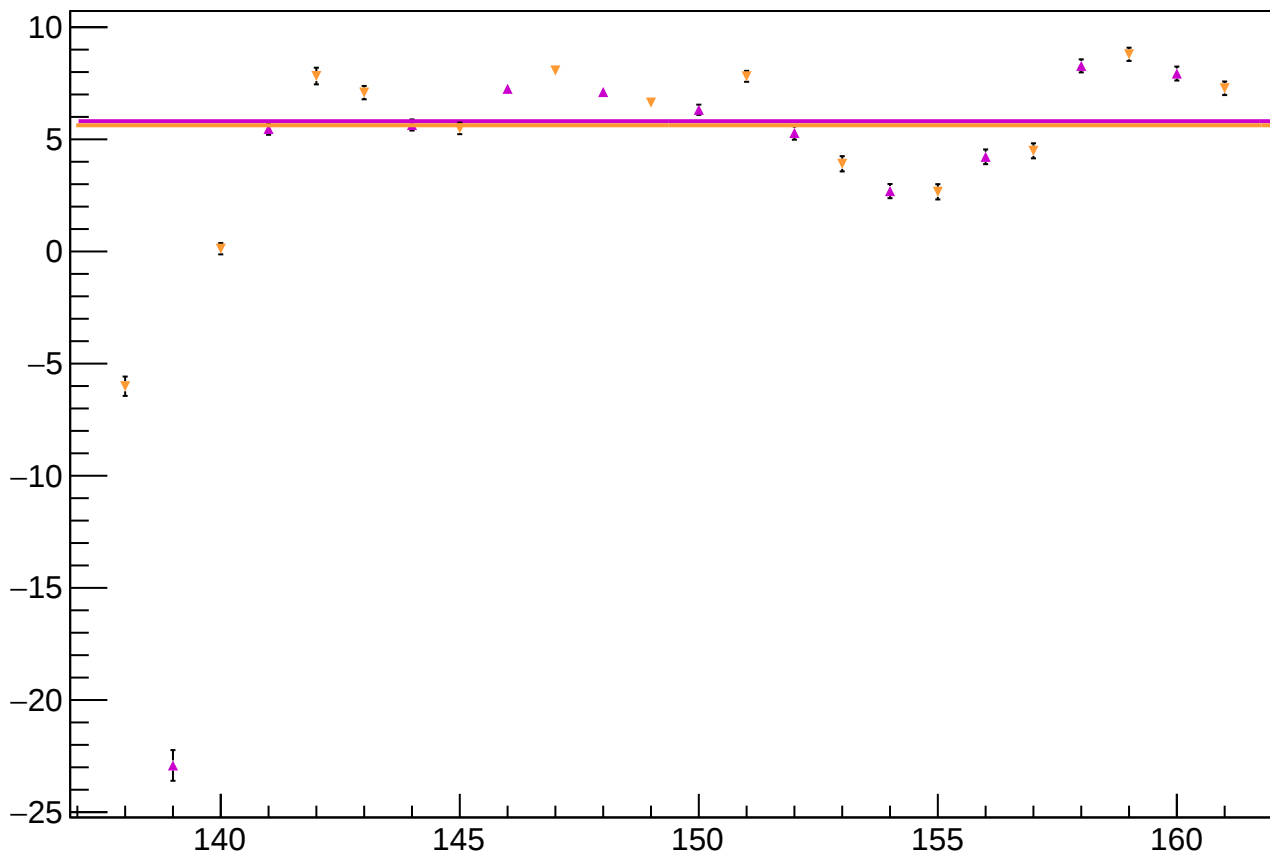
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.359+/-0.113 χ^2/NDF :2057.6/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.859+/-0.118 χ^2/NDF :747.5/10

7.359+/-0.113 χ^2/NDF : 2057.6/12
 5.859+/-0.118 χ^2/NDF : 747.5/10

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: 5.627+/-0.078 χ^2/NDF : 1757.5/12

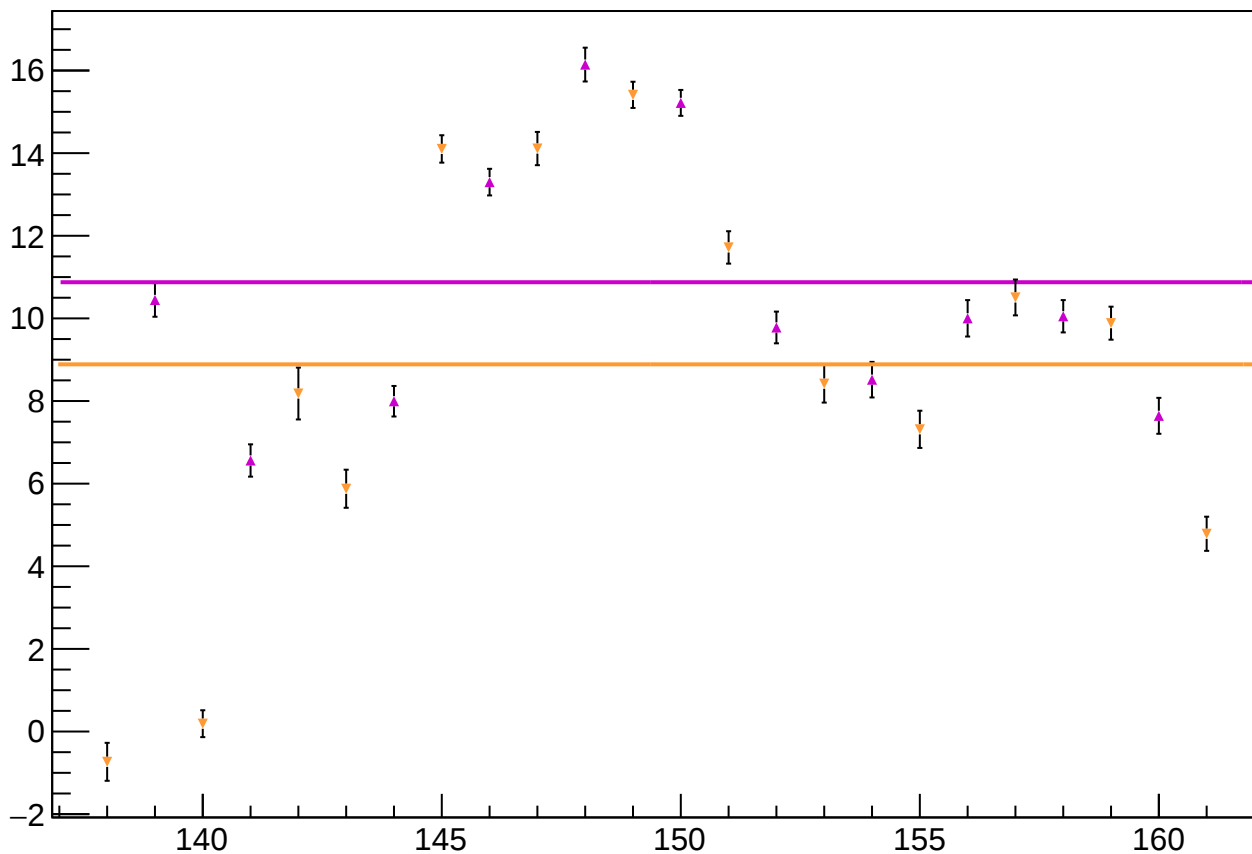
5.627+/-0.078 χ^2/NDF : 1757.5/12

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

5.809+/-0.082 χ^2/NDF : 2092.8/10

Left In: 5.809+/-0.082 χ^2/NDF : 2092.8/10

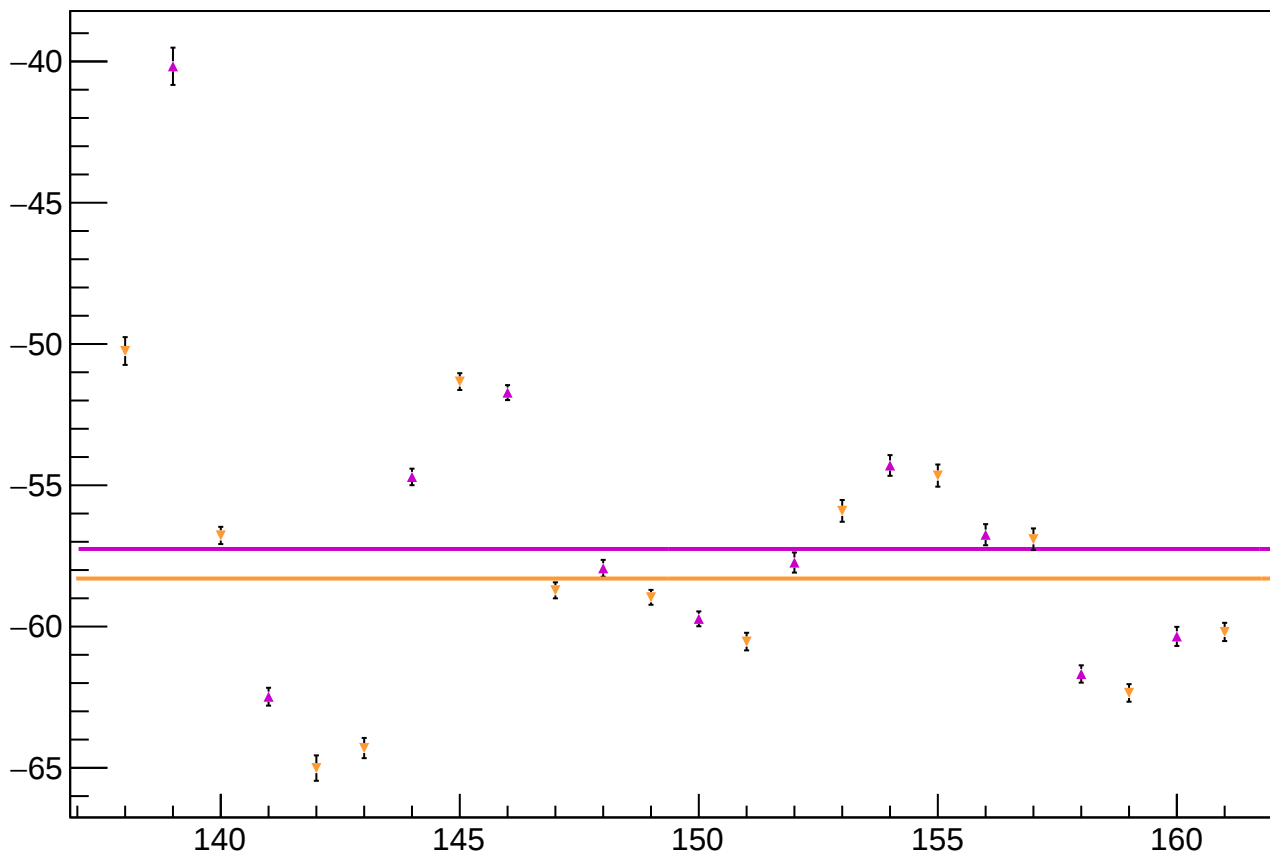
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.888 $\pm$ 0.112 χ^2 /NDF:2219.9/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 10.876 $\pm$ 0.116 χ^2 /NDF:699.4/10

8.888 $\pm$ 0.112 χ^2 /NDF: 2219.9/12
 10.876 $\pm$ 0.116 χ^2 /NDF: 699.4/10

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: -58.300+/-0.093 χ^2/NDF :1748.6/12

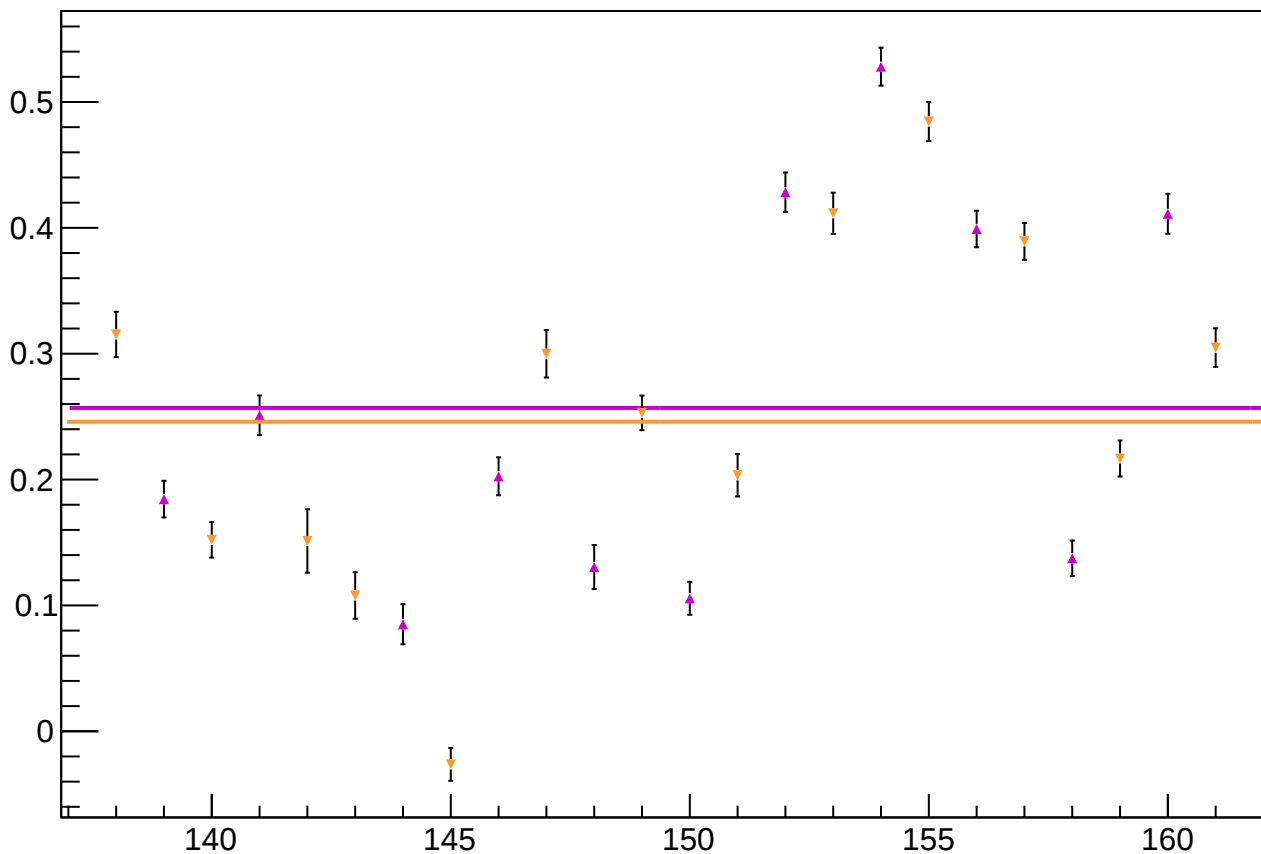
-58.300+/-0.093 χ^2/NDF : 1748.6/12

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

Left In: -57.254+/-0.097 χ^2/NDF :1910.9/10

-57.254+/-0.097 χ^2/NDF : 1910.9/10

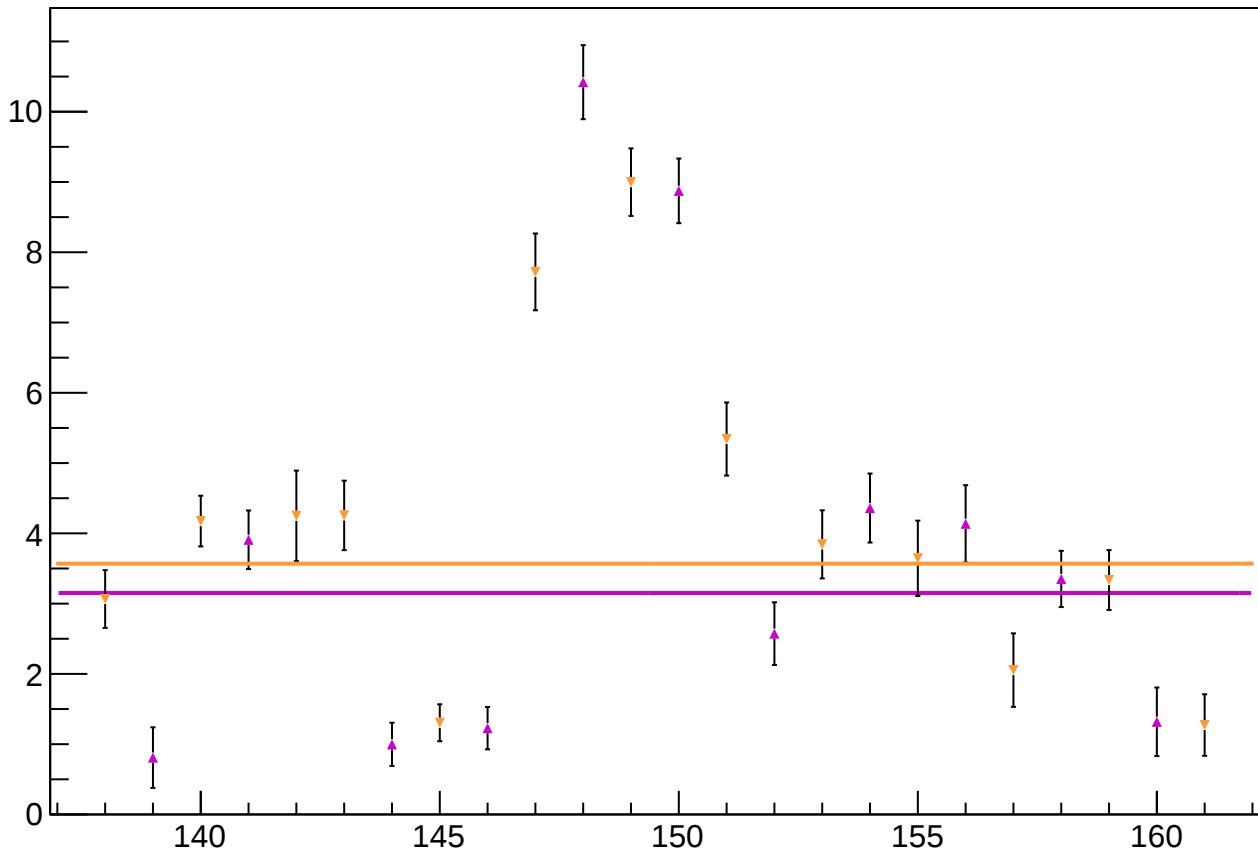
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.246 $\pm$ 0.004 χ^2 /NDF:1035.0/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.257 $\pm$ 0.005 χ^2 /NDF:1046.2/10

0.246 $\pm$ 0.004 χ^2 /NDF: 1035.0/12
 0.257 $\pm$ 0.005 χ^2 /NDF: 1046.2/10

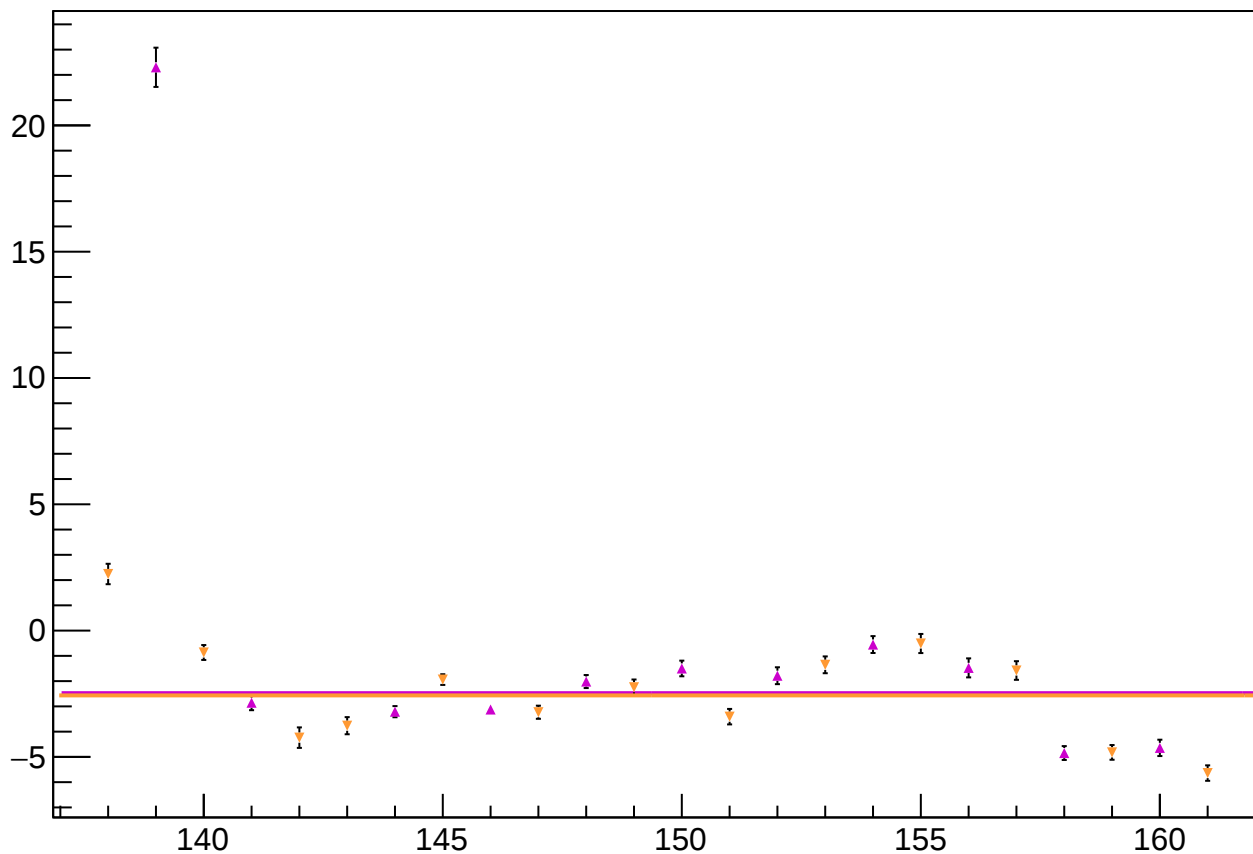
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.569 $\pm$ 0.121 χ^2 /NDF:315.0/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.151 $\pm$ 0.125 χ^2 /NDF:493.2/10

3.569 $\pm$ 0.121 χ^2 /NDF: 315.0/12
 3.151 $\pm$ 0.125 χ^2 /NDF: 493.2/10

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: -2.565+/-0.086 χ^2/NDF : 438.9/12

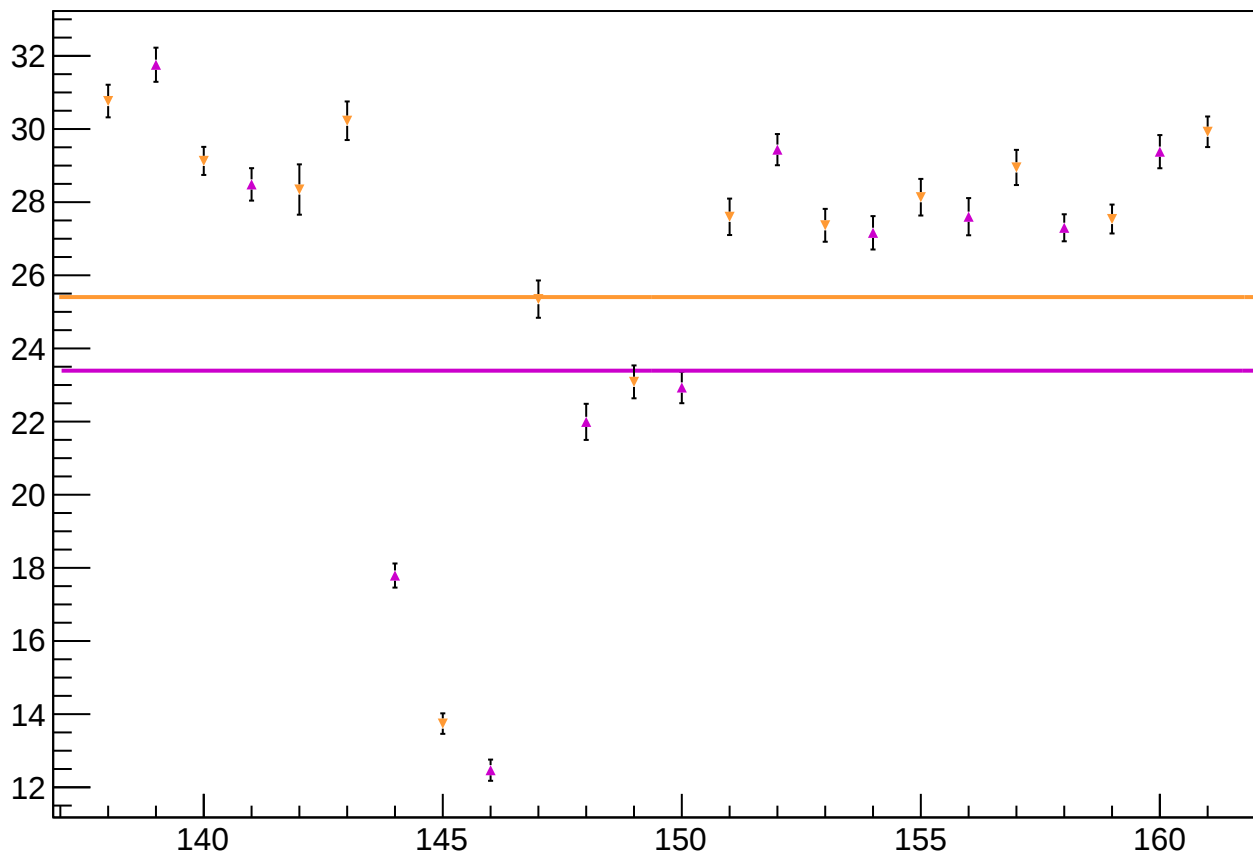
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2.477+/-0.087 χ^2/NDF : 1217.3/10

-2.565+/-0.086 χ^2/NDF : 438.9/12

-2.477+/-0.087 χ^2/NDF : 1217.3/10

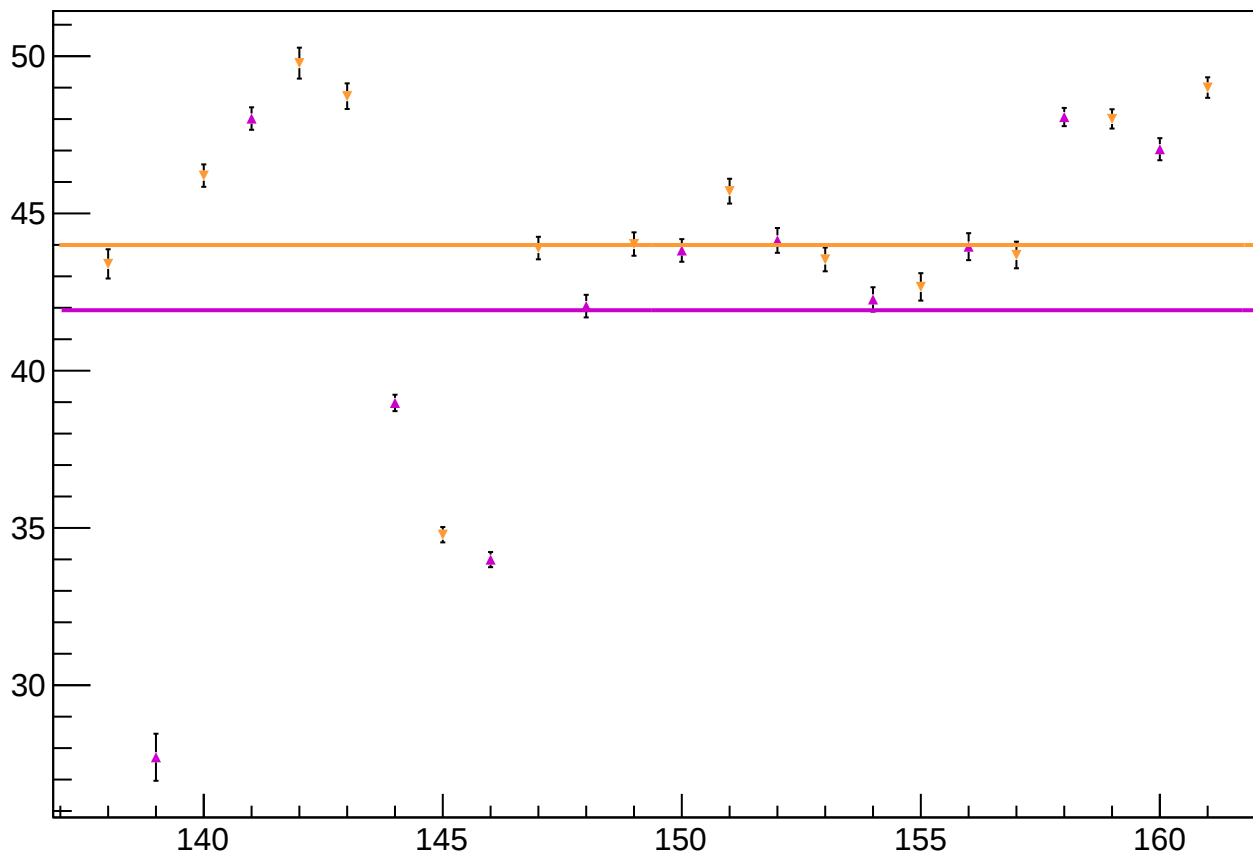
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 25.404+/-0.121 χ^2/NDF : 2366.3/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 23.392+/-0.123 χ^2/NDF : 2793.4/10

25.404+/-0.121 χ^2/NDF : 2366.3/12
 23.392+/-0.123 χ^2/NDF : 2793.4/10

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 43.996+/-0.101 χ^2/NDF :2173.8/12

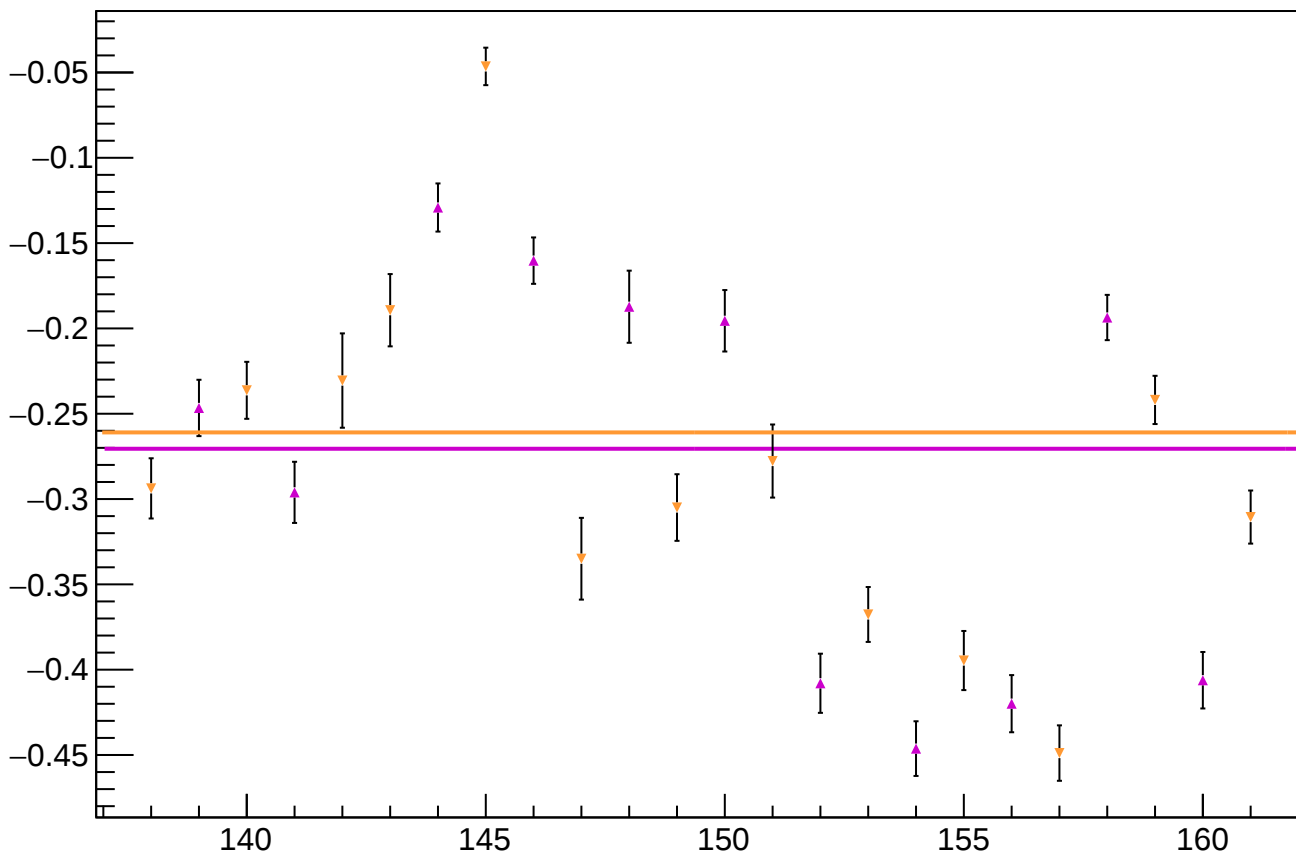
43.996+/-0.101 χ^2/NDF : 2173.8/12

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

Left In: 41.922+/-0.102 χ^2/NDF :2610.6/10

41.922+/-0.102 χ^2/NDF : 2610.6/10

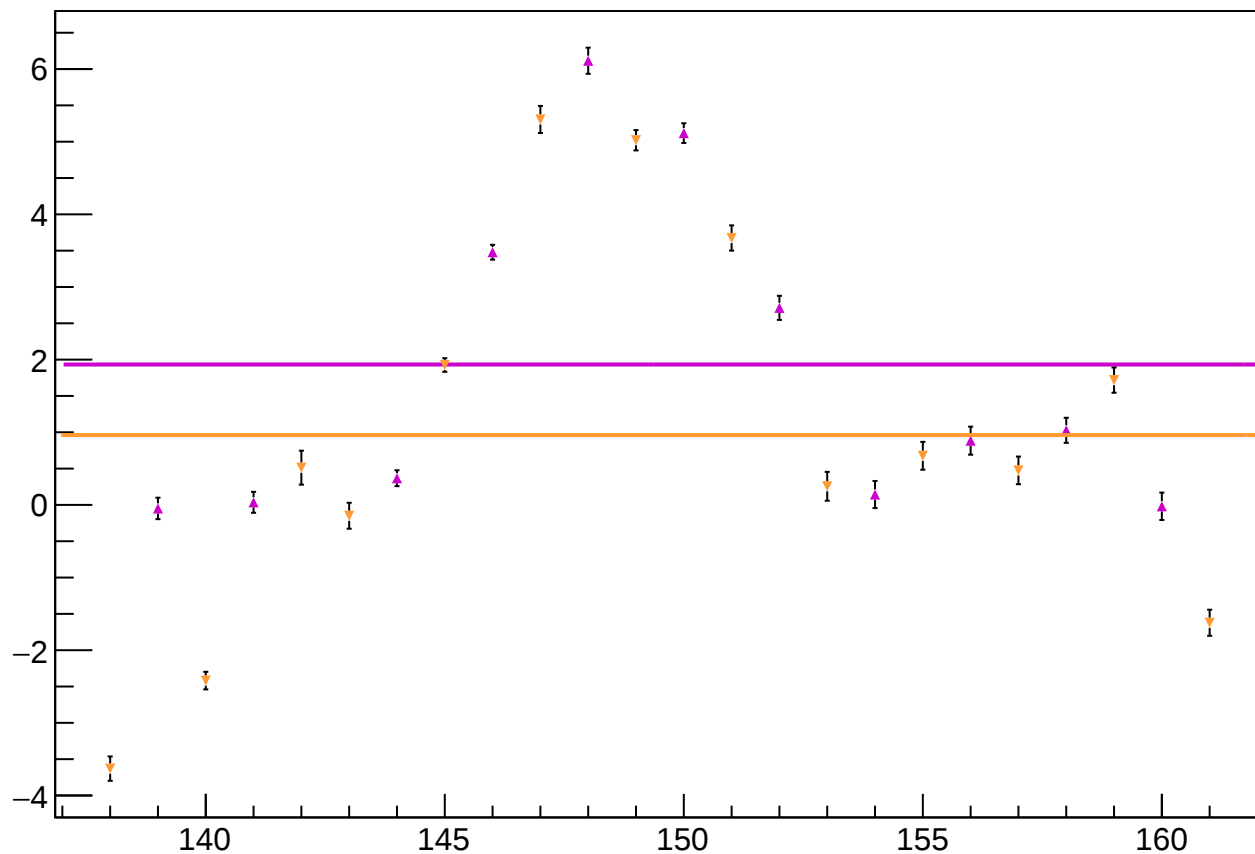
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.261+/-0.005 χ^2/NDF : 664.2/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.271+/-0.005 χ^2/NDF : 566.7/10

-0.261+/-0.005 χ^2/NDF : 664.2/12
 -0.271+/-0.005 χ^2/NDF : 566.7/10

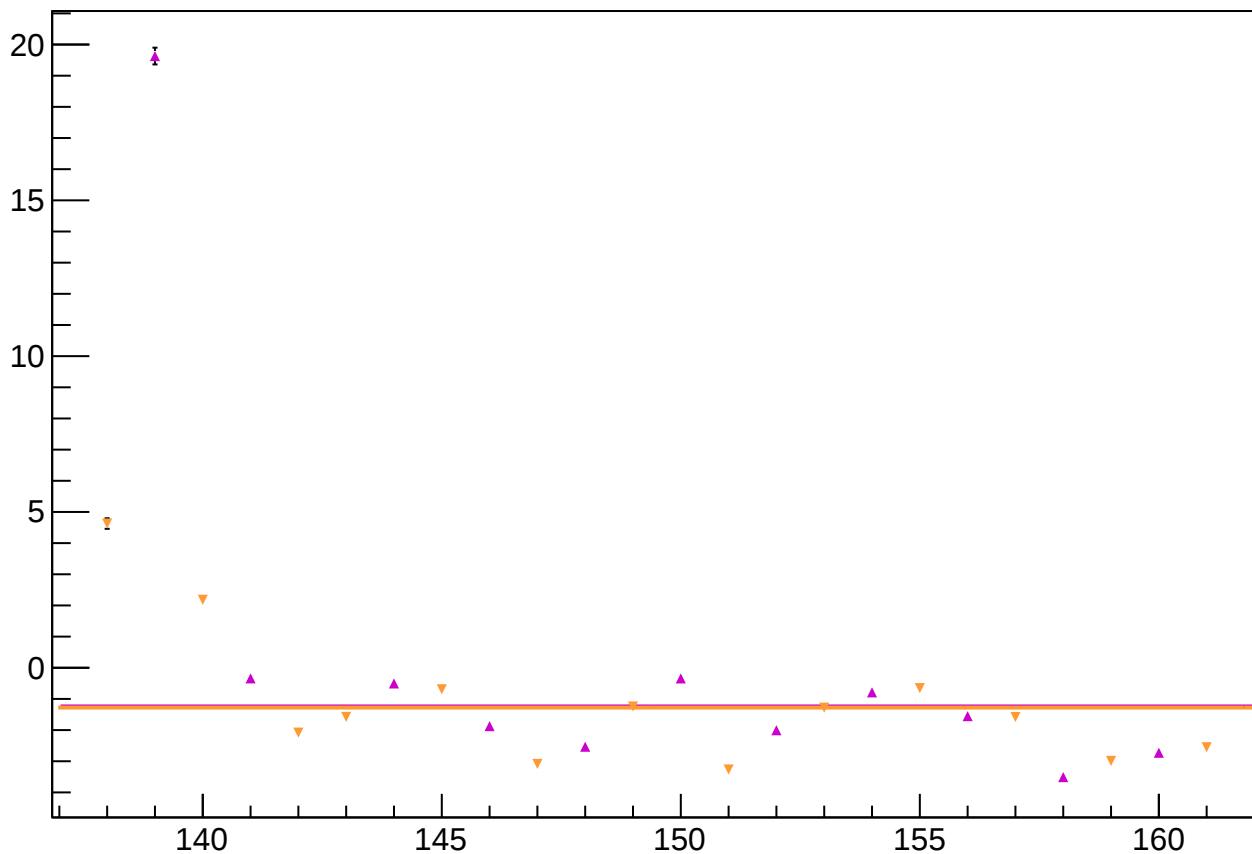
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.961 $\pm$ 0.044 χ^2 /NDF:3551.4/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.933 $\pm$ 0.044 χ^2 /NDF:2153.3/10

0.961 $\pm$ 0.044 χ^2 /NDF: 3551.4/12
 1.933 $\pm$ 0.044 χ^2 /NDF: 2153.3/10

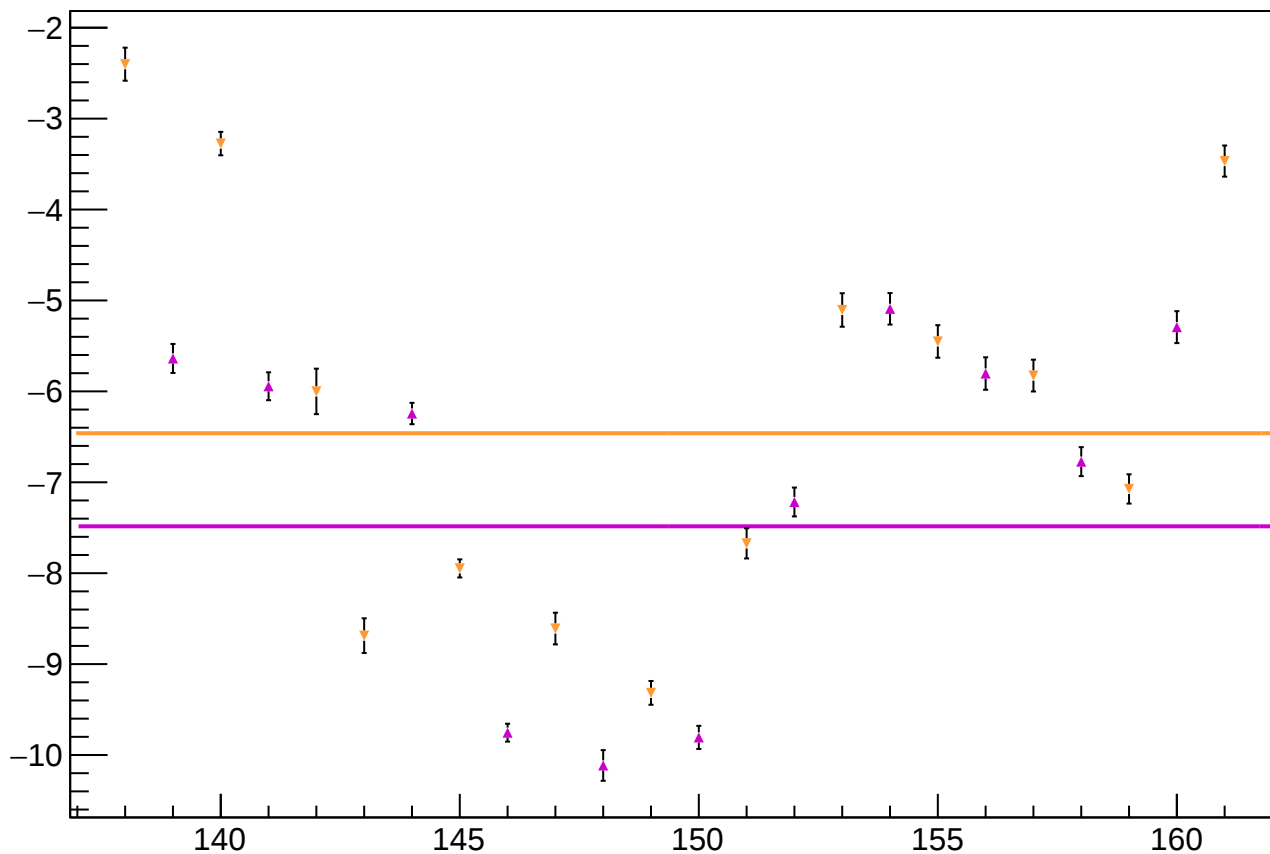
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.278+/-0.031 χ^2/NDF : 3624.9/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.242+/-0.031 χ^2/NDF : 7143.3/10

-1.278+/-0.031 χ^2/NDF : 3624.9/12
 -1.242+/-0.031 χ^2/NDF : 7143.3/10

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: -6.461+/-0.044 χ^2/NDF : 2572.3/12

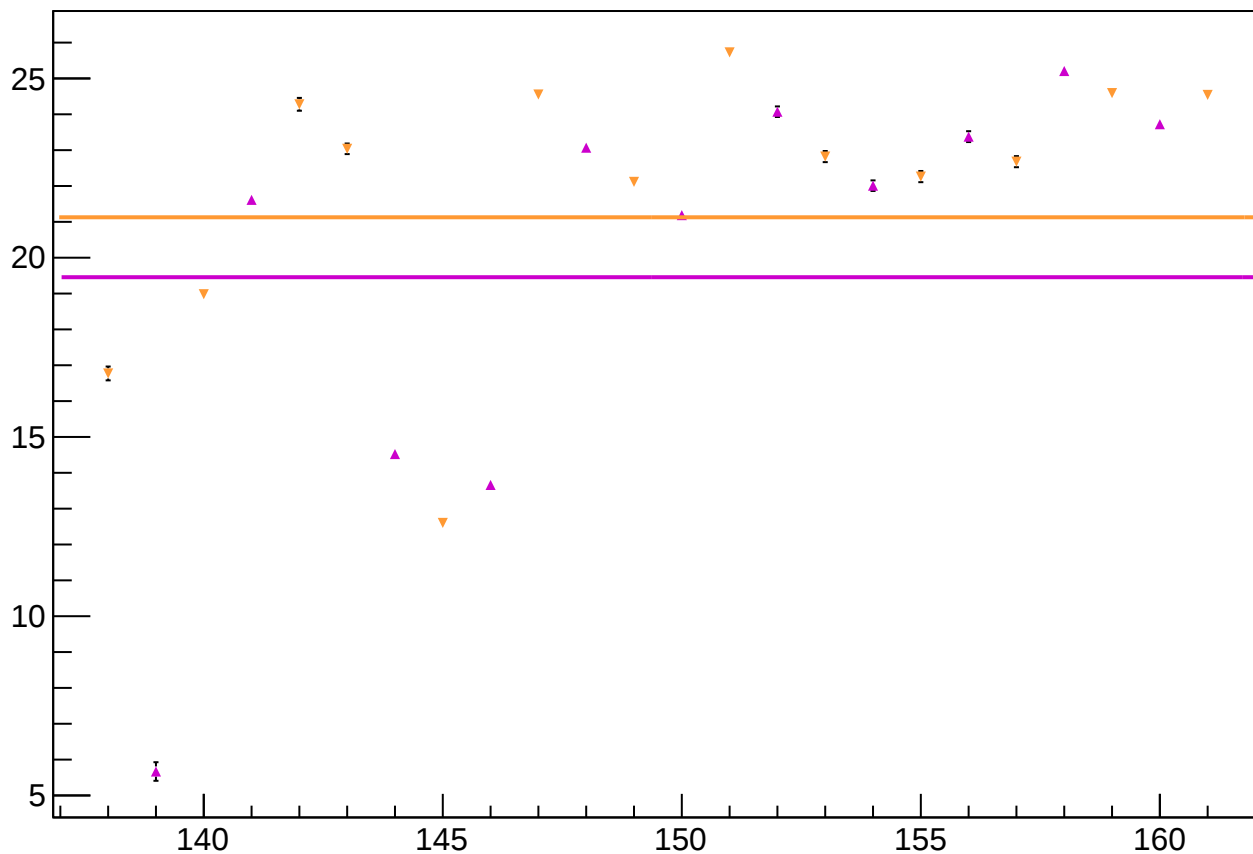
-6.461+/-0.044 χ^2/NDF : 2572.3/12

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

Left In: -7.484+/-0.043 χ^2/NDF : 1912.1/10

-7.484+/-0.043 χ^2/NDF : 1912.1/10

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: 21.127+/-0.036 χ^2/NDF :14404.7/12

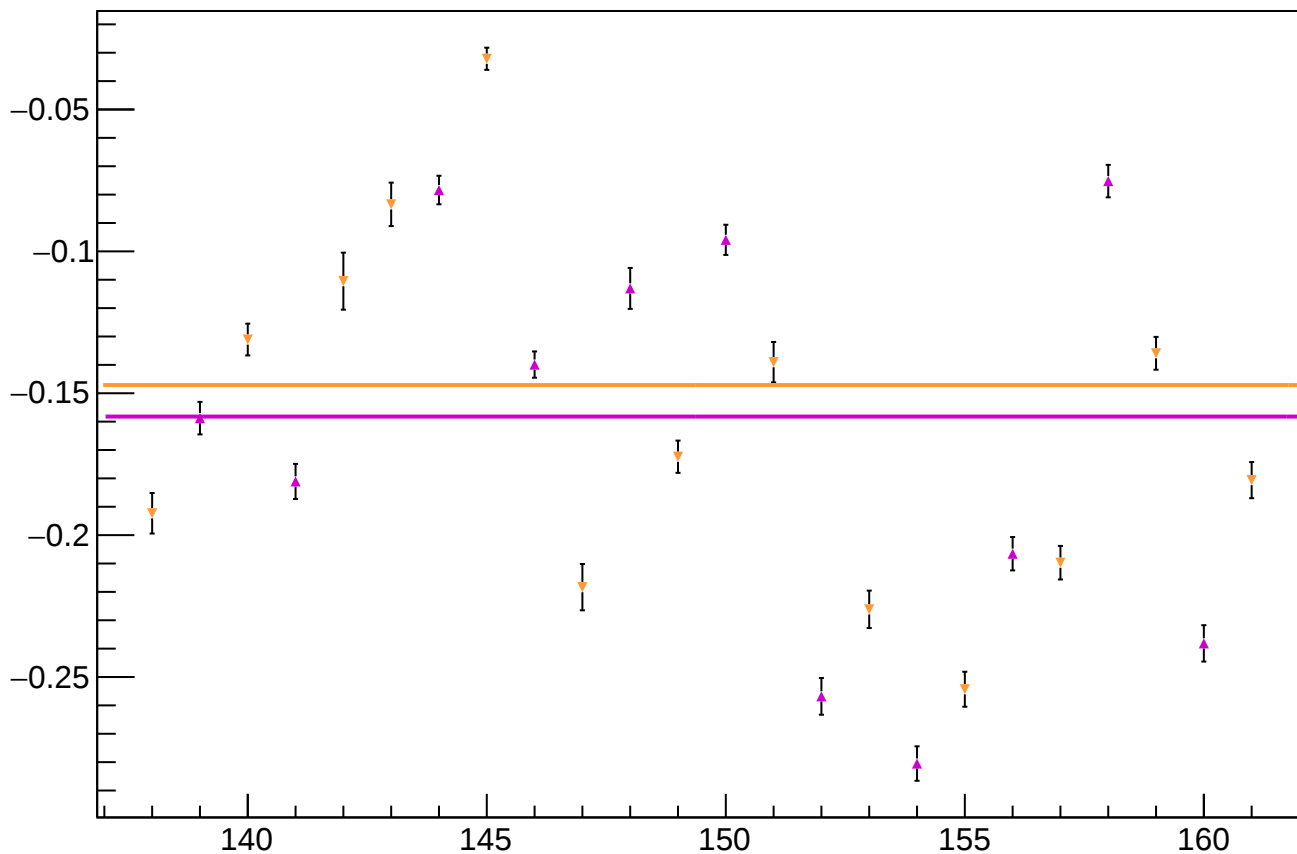
21.127+/-0.036 χ^2/NDF : 14404.7/12

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

Left In: 19.456+/-0.036 χ^2/NDF :17074.2/10

19.456+/-0.036 χ^2/NDF : 17074.2/10

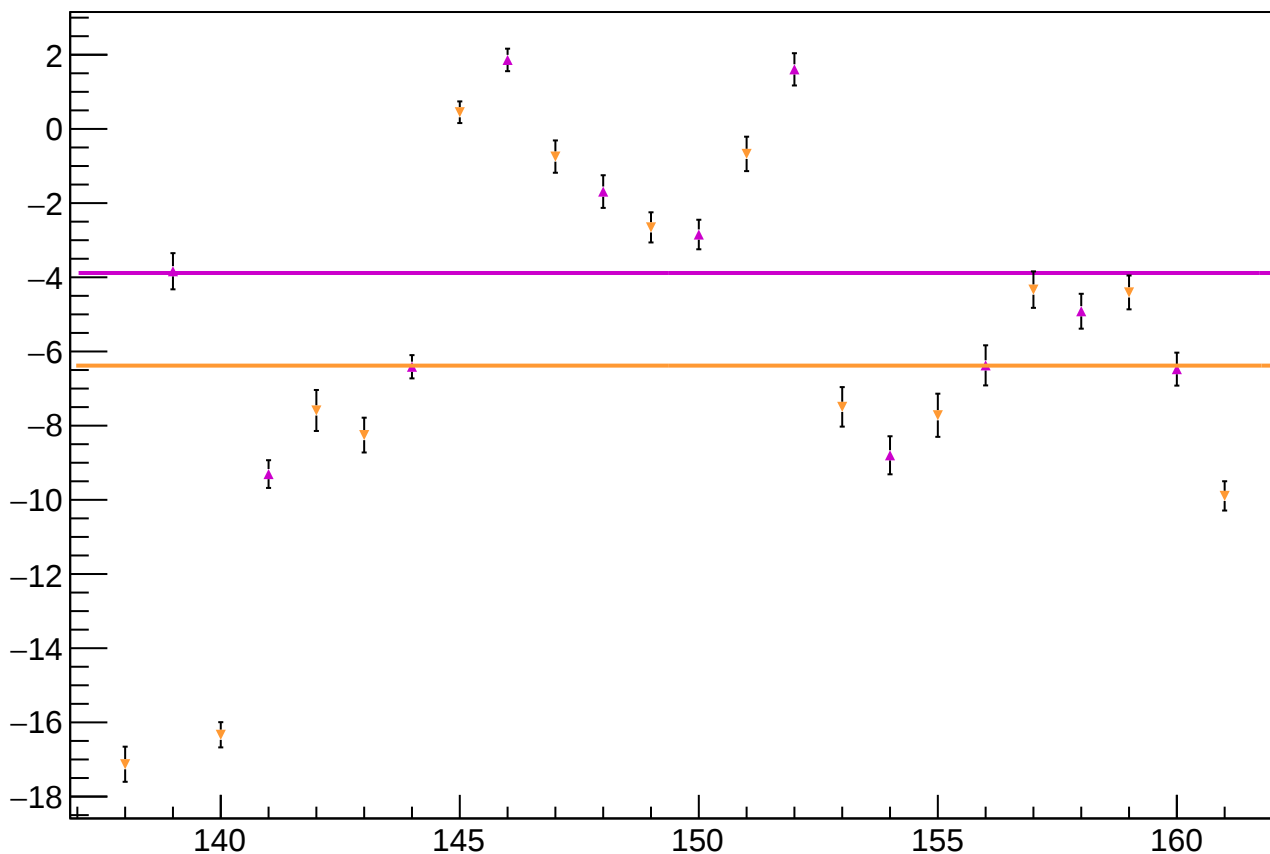
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.147+/-0.002 χ^2/NDF :1682.9/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.158+/-0.002 χ^2/NDF :1528.3/10

-0.147+/-0.002 χ^2/NDF : 1682.9/12
 -0.158+/-0.002 χ^2/NDF : 1528.3/10

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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

Left Out: -6.381+/-0.119 χ^2 /NDF:2467.6/12

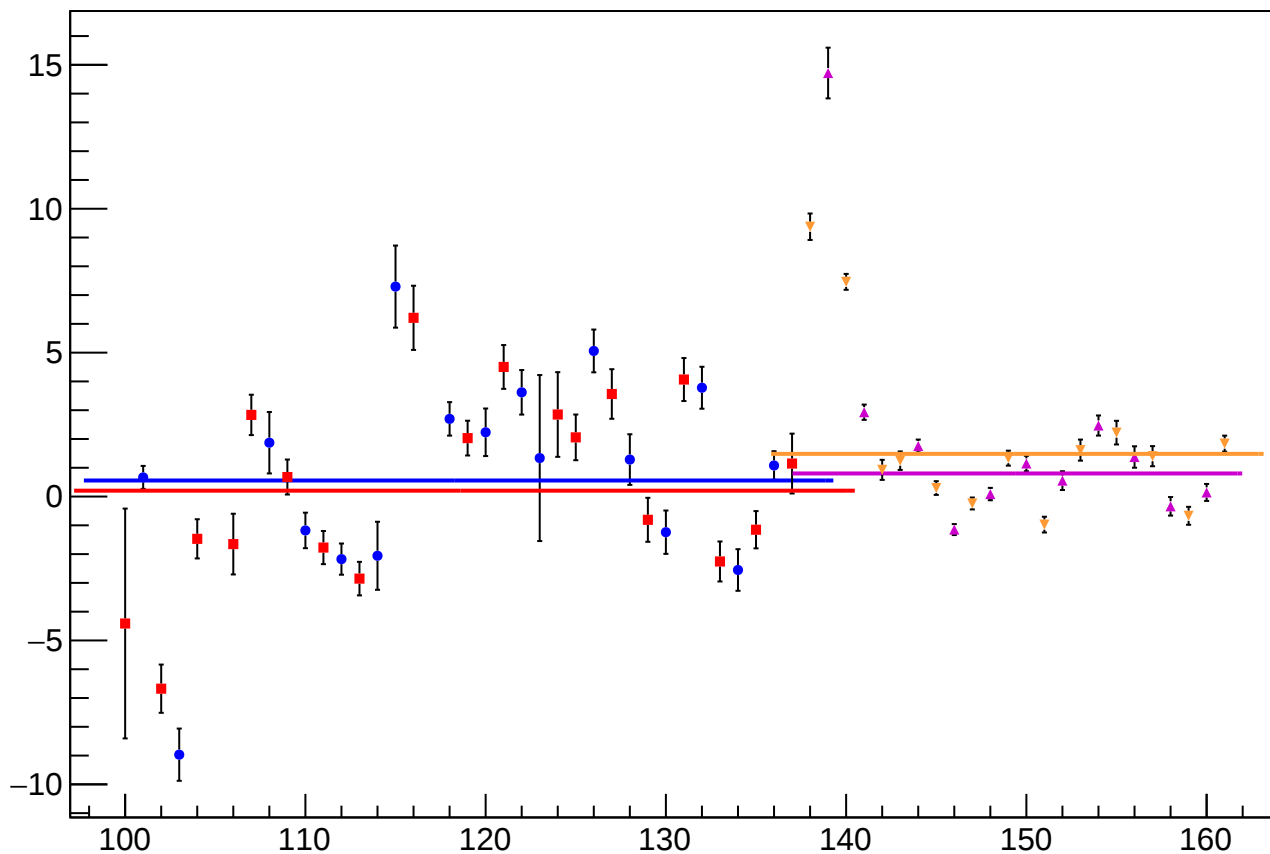
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: -3.884+/-0.123 χ^2 /NDF:976.5/10

-6.381+/-0.119 χ^2 /NDF: 2467.6/12

-3.884+/-0.123 χ^2 /NDF: 976.5/10

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

1.309 ± 0.074 χ^2/NDF : 1305.9/29

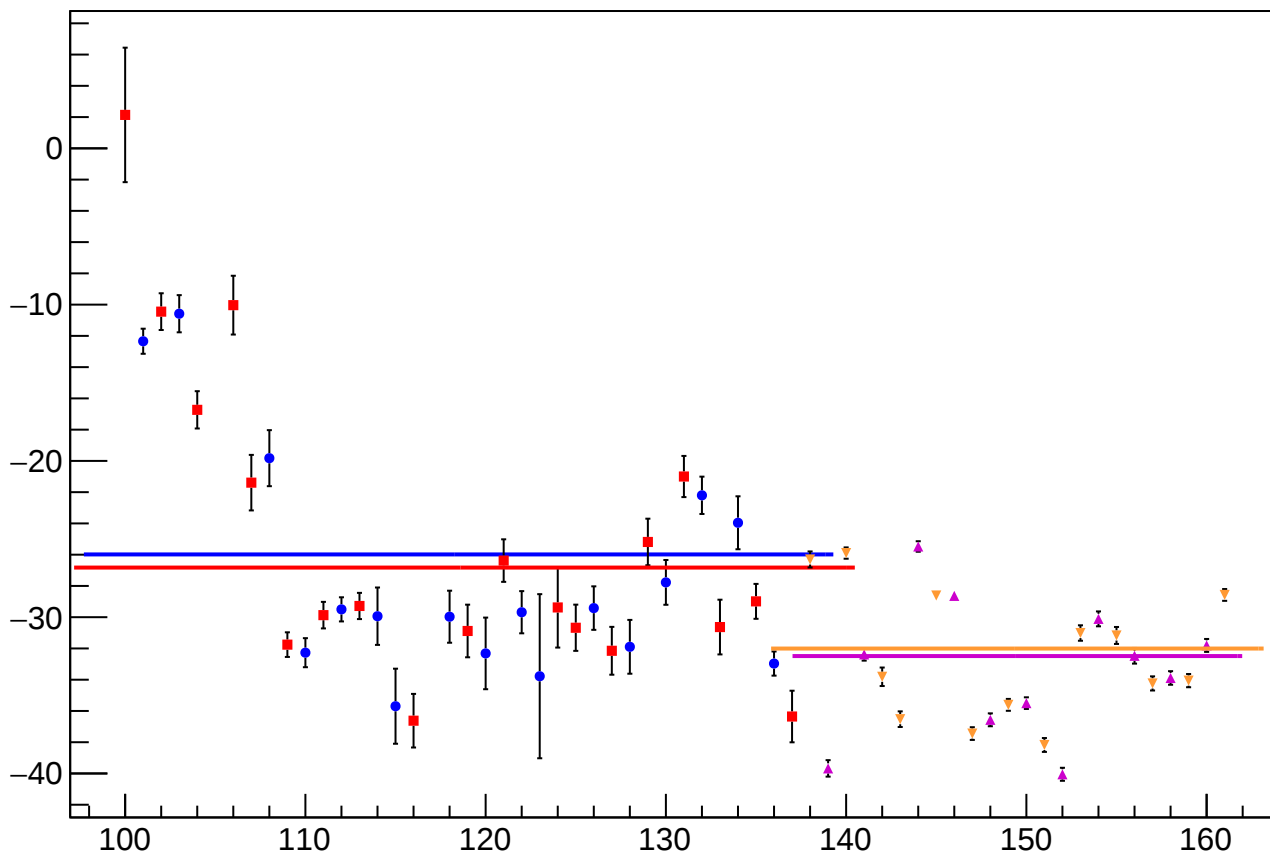
Left Out: 1.483 ± 0.082 χ^2/NDF : 994.0/12

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

0.691 ± 0.075 χ^2/NDF : 773.7/29

Left In: 0.802 ± 0.083 χ^2/NDF : 492.1/10

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 $\chi^2/\text{NDF}: 691.5/16$

Left Out: -32.006 ± 0.118 $\chi^2/\text{NDF}: 1218.3/12$

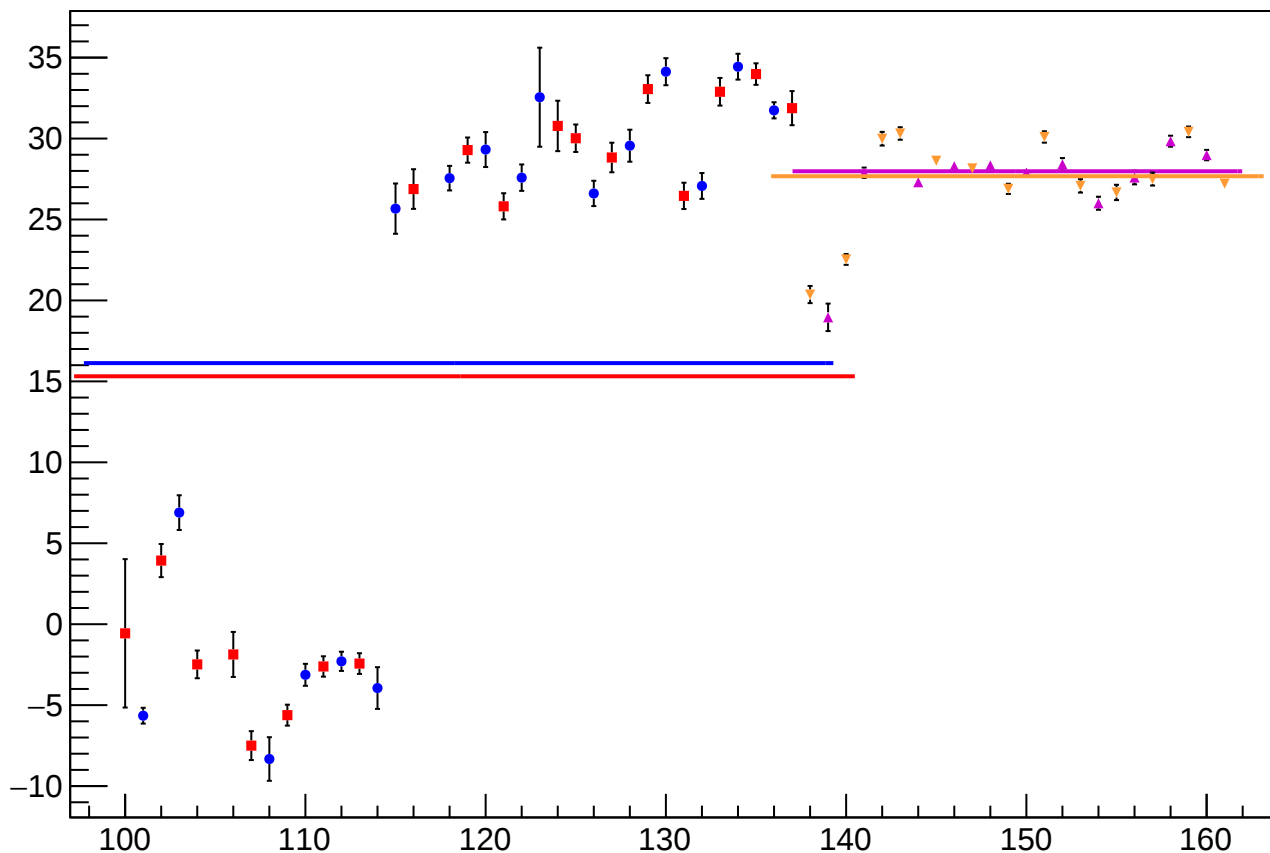
Right Out: -26.825 ± 0.298 $\chi^2/\text{NDF}: 581.6/18$

Left In: -32.487 ± 0.120 $\chi^2/\text{NDF}: 1326.8/10$

-31.201 ± 0.110 $\chi^2/\text{NDF}: 2257.8/29$

-31.690 ± 0.112 $\chi^2/\text{NDF}: 2219.3/29$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 27.673 $\pm$ 0.097 χ^2 /NDF:650.9/12

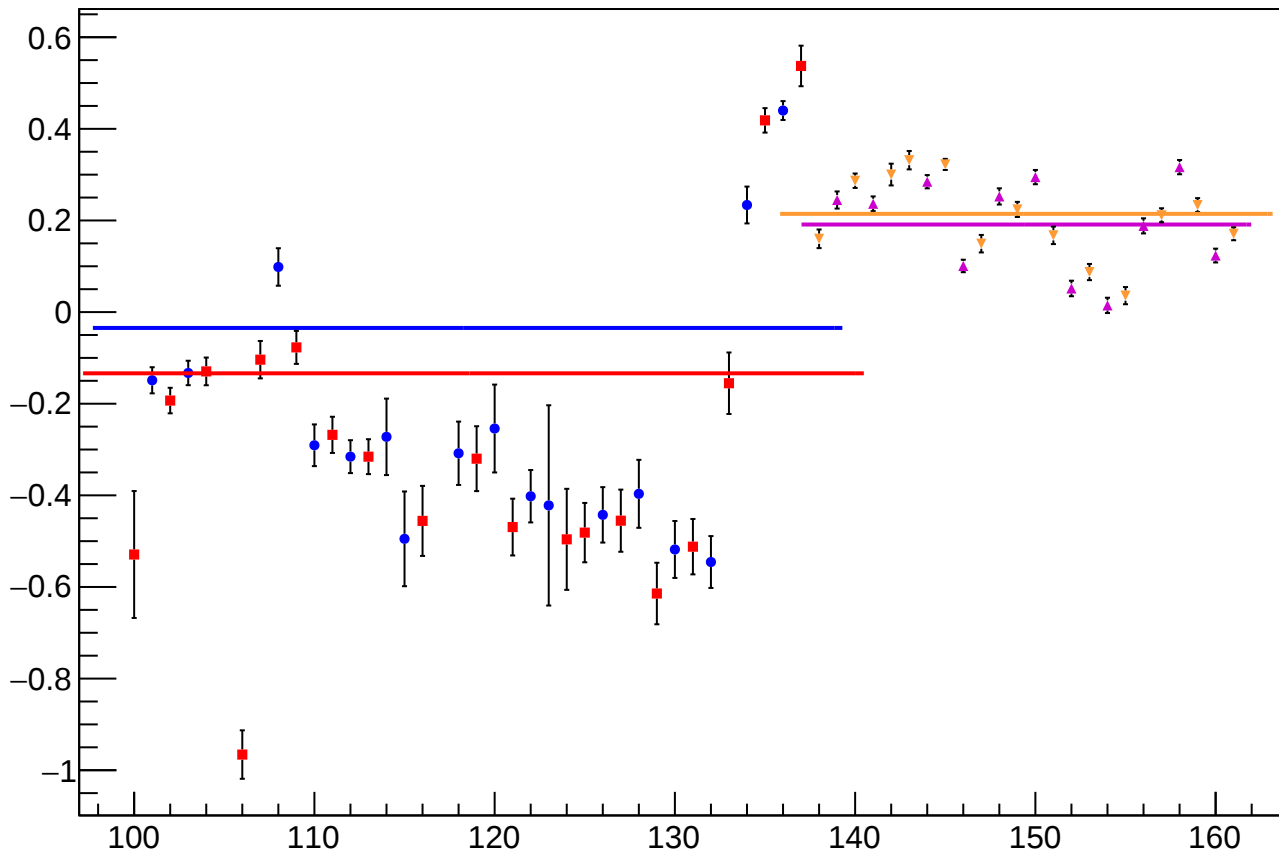
Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

Left In: 27.980 $\pm$ 0.099 χ^2 /NDF:188.4/10

25.316 $\pm$ 0.087 χ^2 /NDF: 11098.8/29

25.408 $\pm$ 0.089 χ^2 /NDF: 10759.4/29

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035+/-0.010 χ^2/NDF : 1011.6/16

Left Out: 0.214+/-0.005 χ^2/NDF :325.6/12

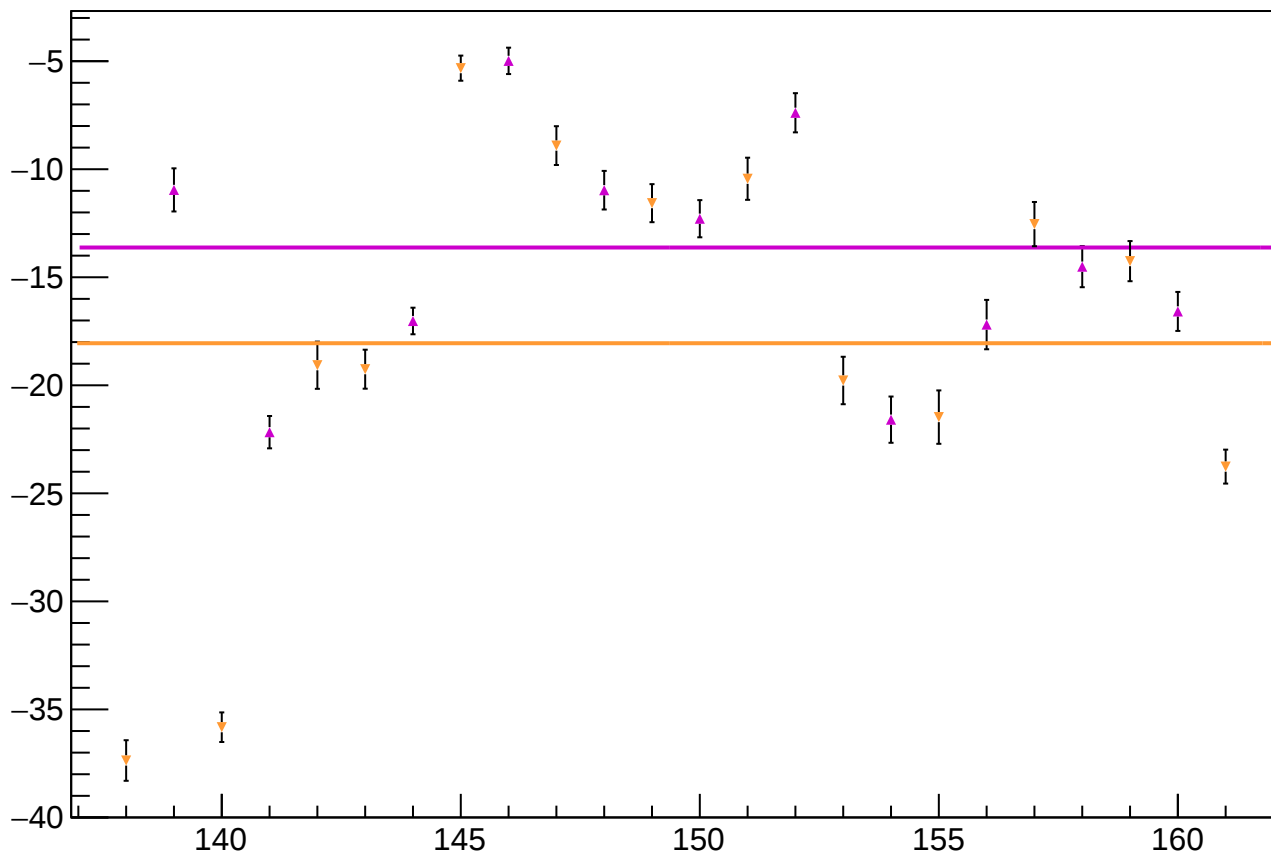
Right Out: -0.134+/-0.010 χ^2/NDF : 1161.9/18

Left In: 0.191+/-0.005 χ^2/NDF :421.4/10

0.173+/-0.004 χ^2/NDF : 1820.3/29

0.134+/-0.004 χ^2/NDF : 2390.5/29

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -18.053+/-0.242 χ^2/NDF :1905.6/12

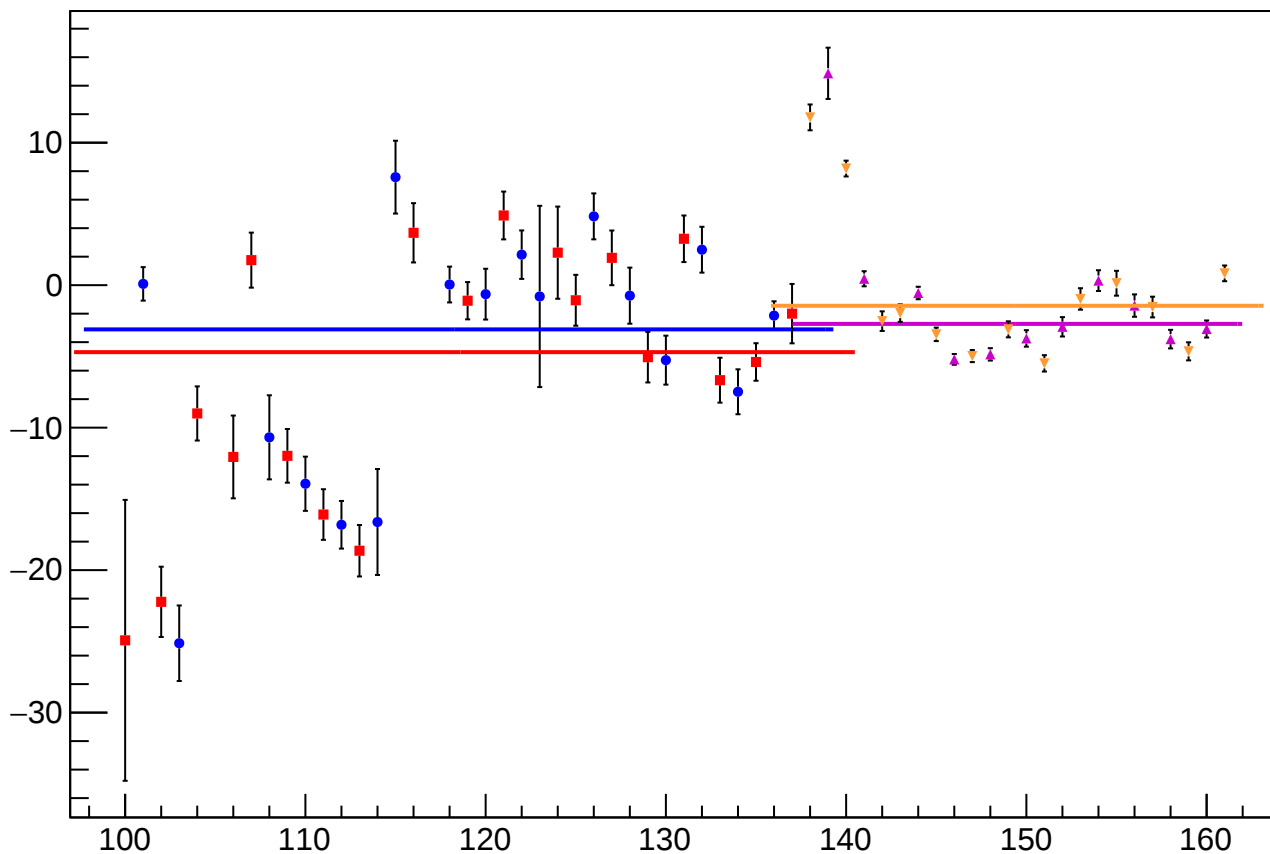
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -13.623+/-0.251 χ^2/NDF :503.5/10

-18.053+/-0.242 χ^2/NDF : 1905.6/12

-13.623+/-0.251 χ^2/NDF : 503.5/10

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -1.445 ± 0.166 χ^2/NDF : 707.8/12

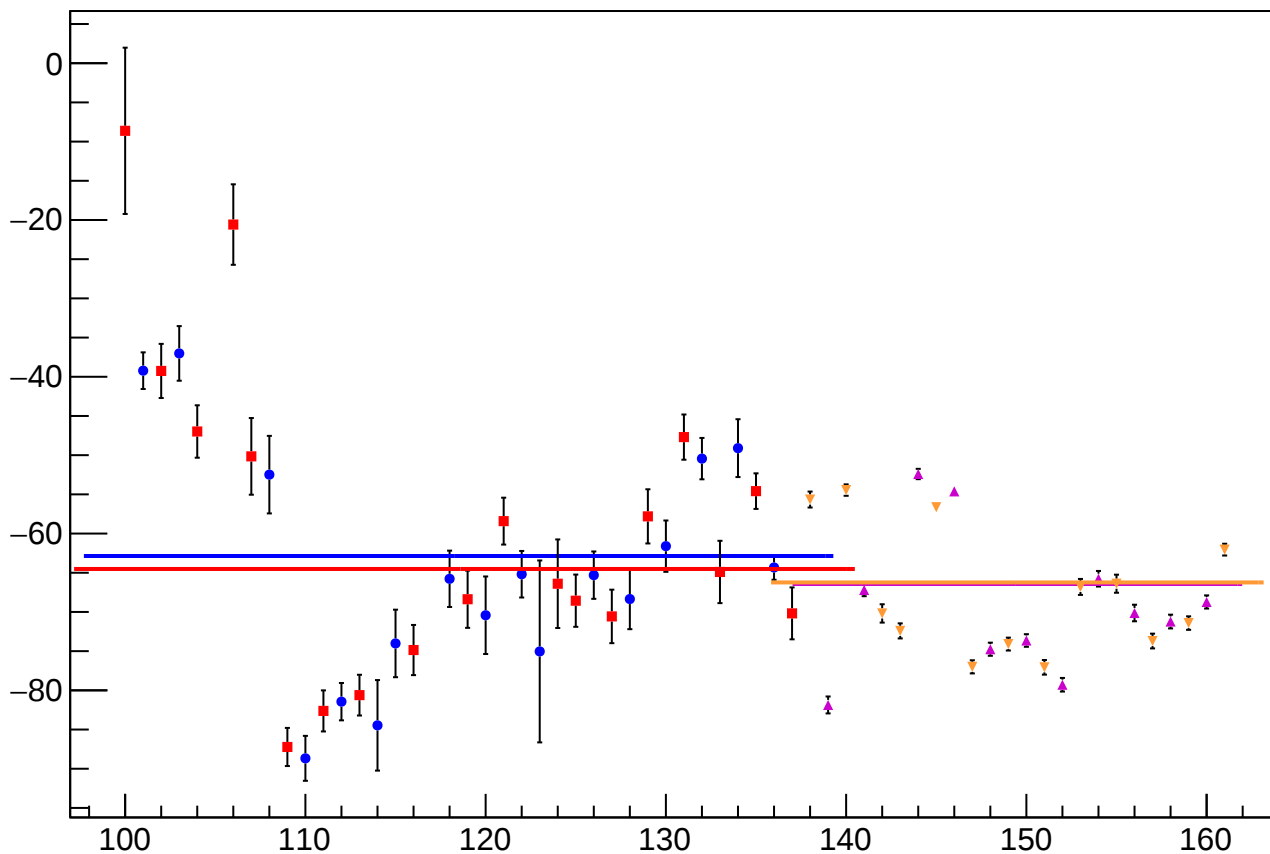
Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

Left In: -2.718 ± 0.169 χ^2/NDF : 249.7/10

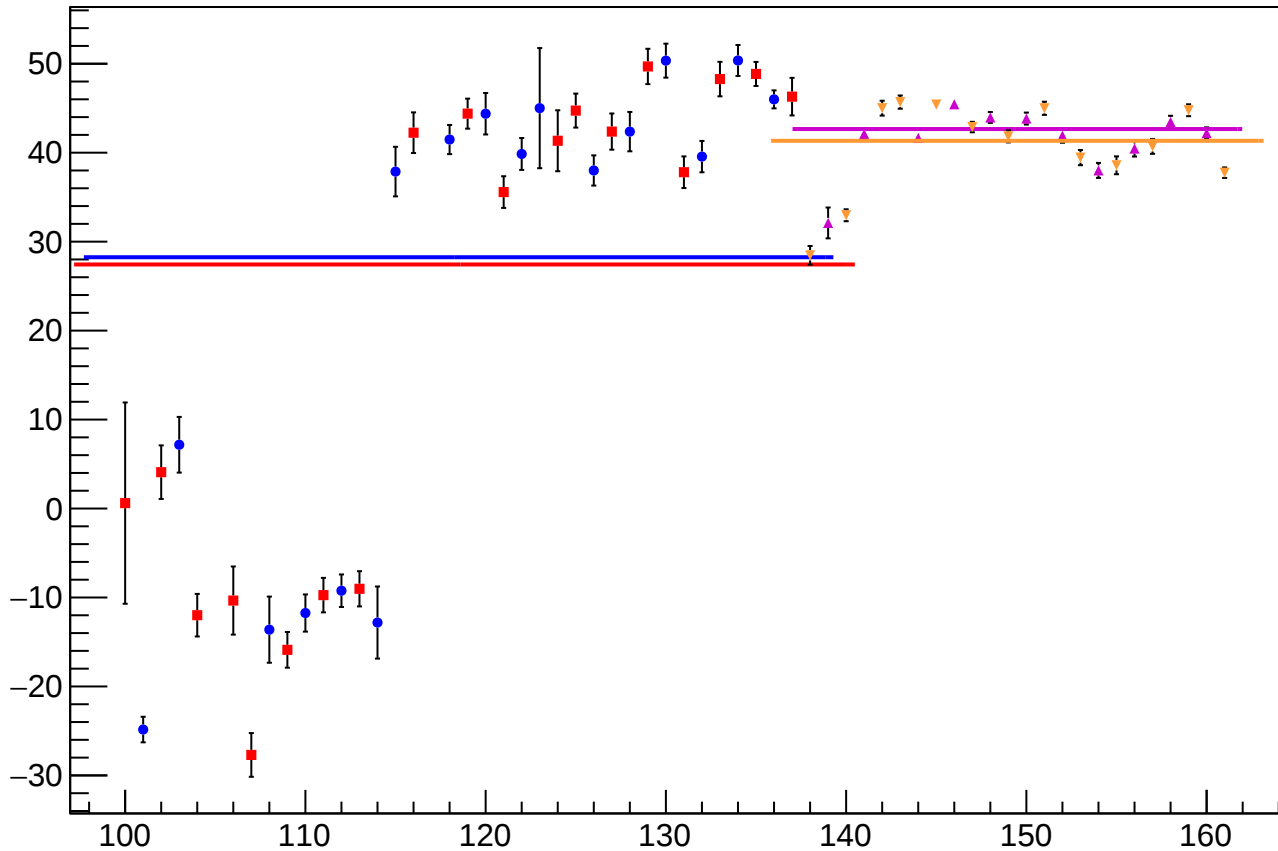
-1.679 ± 0.154 χ^2/NDF : 1000.9/29

-2.986 ± 0.157 χ^2/NDF : 566.0/29

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 41.336 $\pm$ 0.198 χ^2 /NDF: 523.7/12

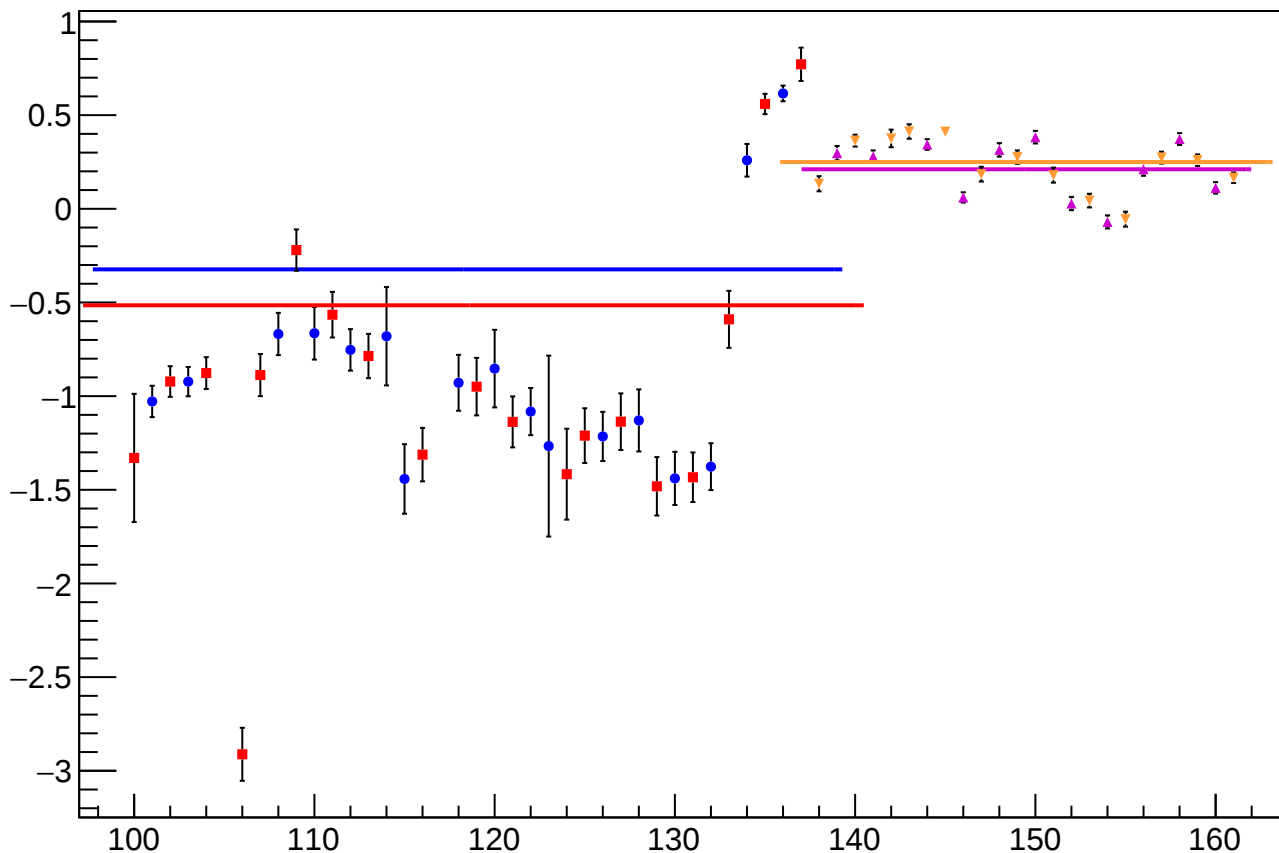
Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

Left In: 42.660 $\pm$ 0.202 χ^2 /NDF: 122.5/10

39.292 $\pm$ 0.182 χ^2 /NDF: 4525.7/29

40.358 $\pm$ 0.186 χ^2 /NDF: 4013.2/29

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.250 ± 0.009 χ^2/NDF : 197.2/12

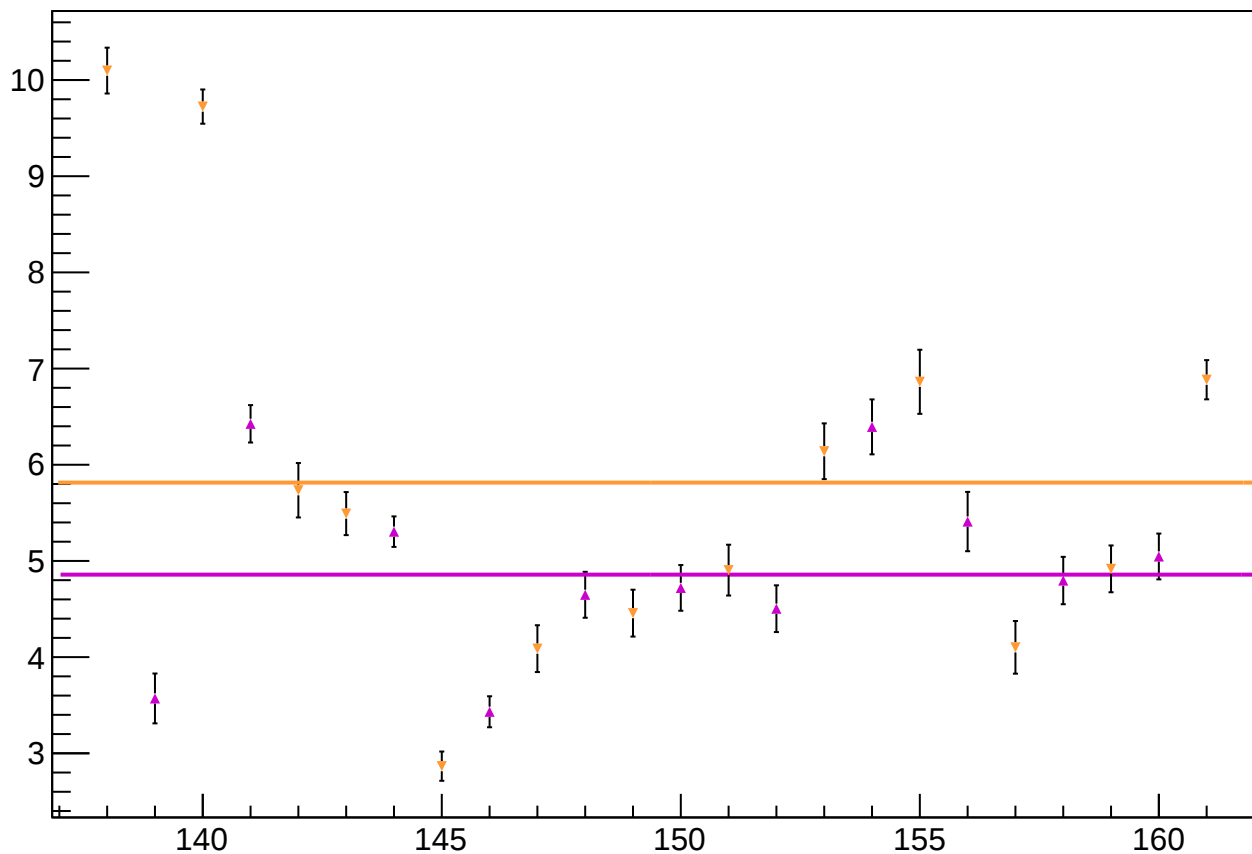
Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

Left In: 0.211 ± 0.010 χ^2/NDF : 223.7/10

0.178 ± 0.009 χ^2/NDF : 1668.9/29

0.119 ± 0.009 χ^2/NDF : 2078.3/29

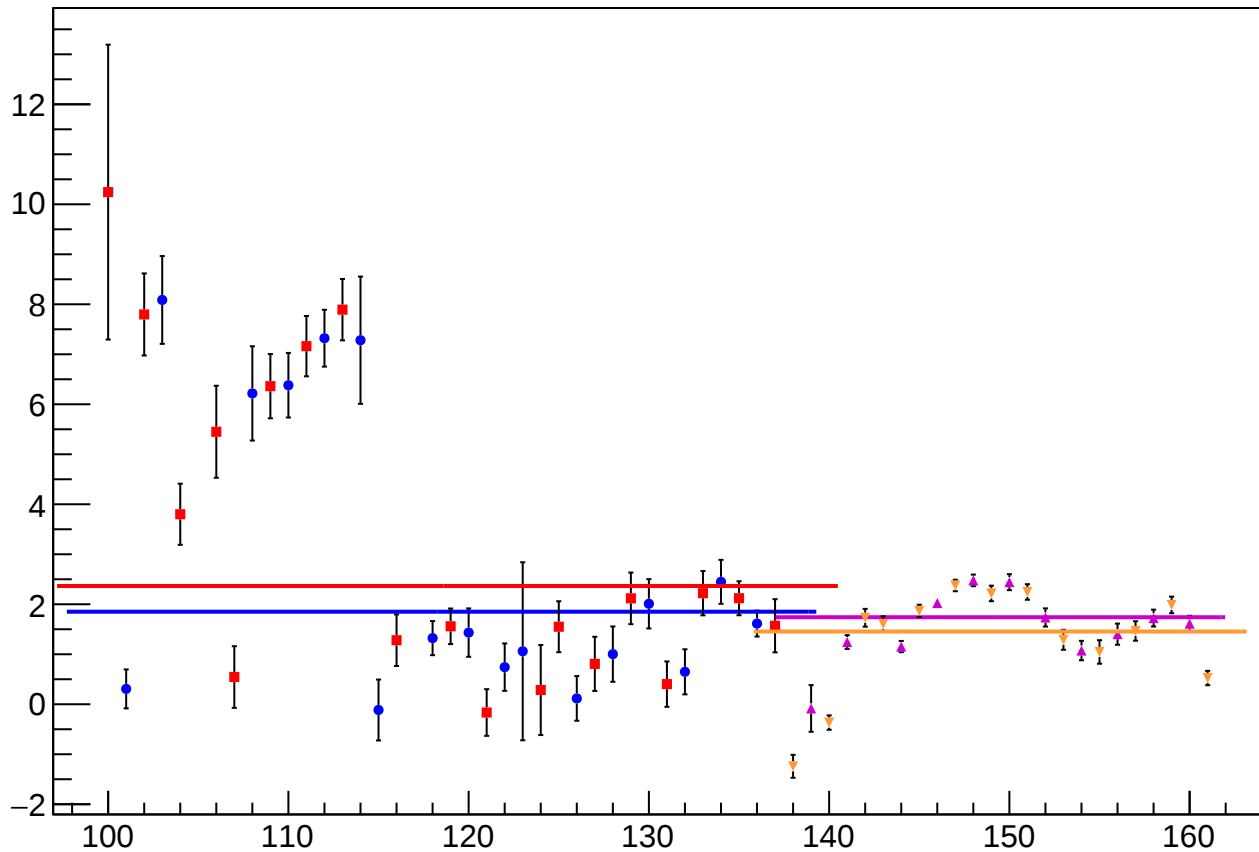
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.815+/-0.063 χ^2/NDF :1367.5/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.858+/-0.066 χ^2/NDF :212.0/10

5.815+/-0.063 χ^2/NDF : 1367.5/12
 4.858+/-0.066 χ^2/NDF : 212.0/10

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 $\chi^2/\text{NDF}: 294.2/16$

Left Out: 1.455 ± 0.044 $\chi^2/\text{NDF}: 481.6/12$

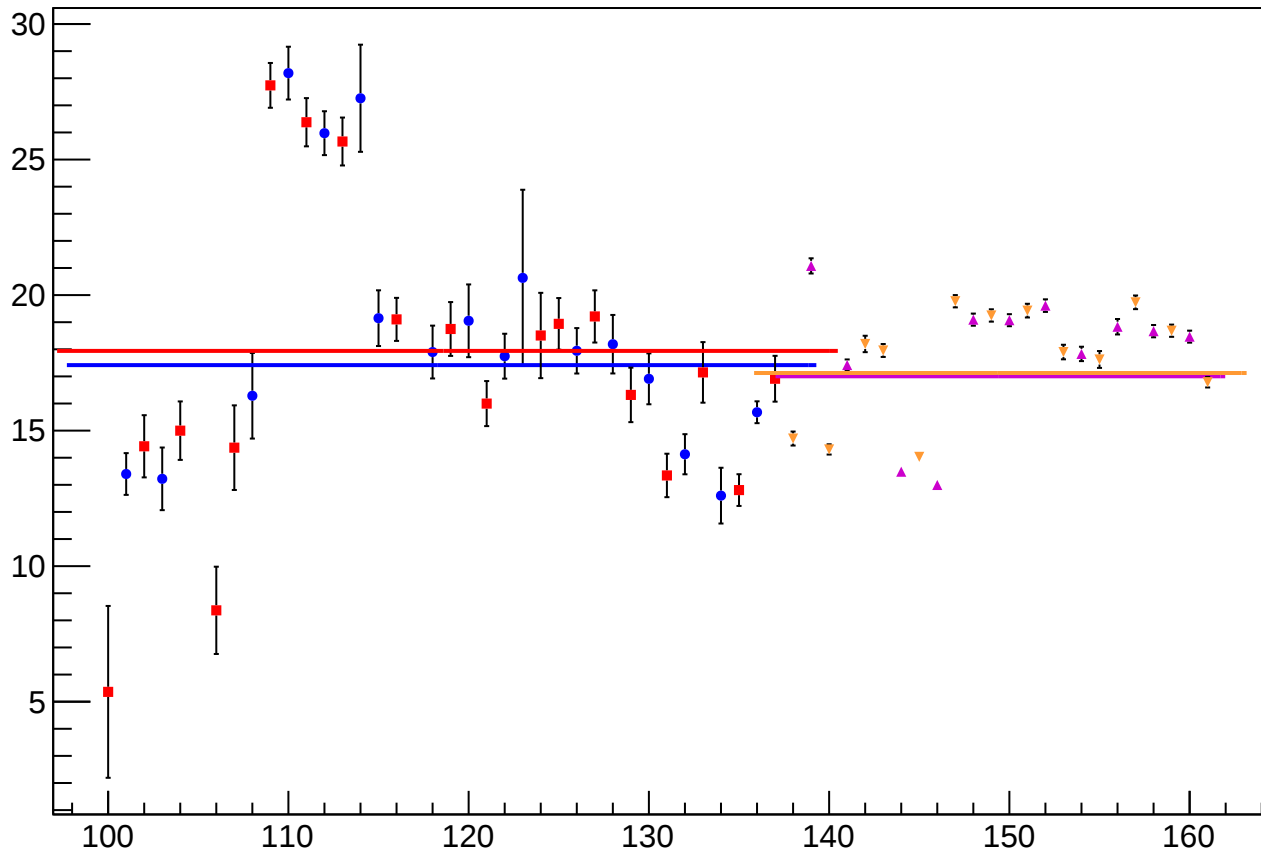
Right Out: 2.365 ± 0.123 $\chi^2/\text{NDF}: 336.2/18$

Left In: 1.741 ± 0.044 $\chi^2/\text{NDF}: 138.2/10$

1.503 ± 0.041 $\chi^2/\text{NDF}: 785.8/29$

1.813 ± 0.042 $\chi^2/\text{NDF}: 497.4/29$

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 ± 0.213 χ^2/NDF : 367.0/16

Left Out: 17.126 ± 0.063 χ^2/NDF : 1173.5/12

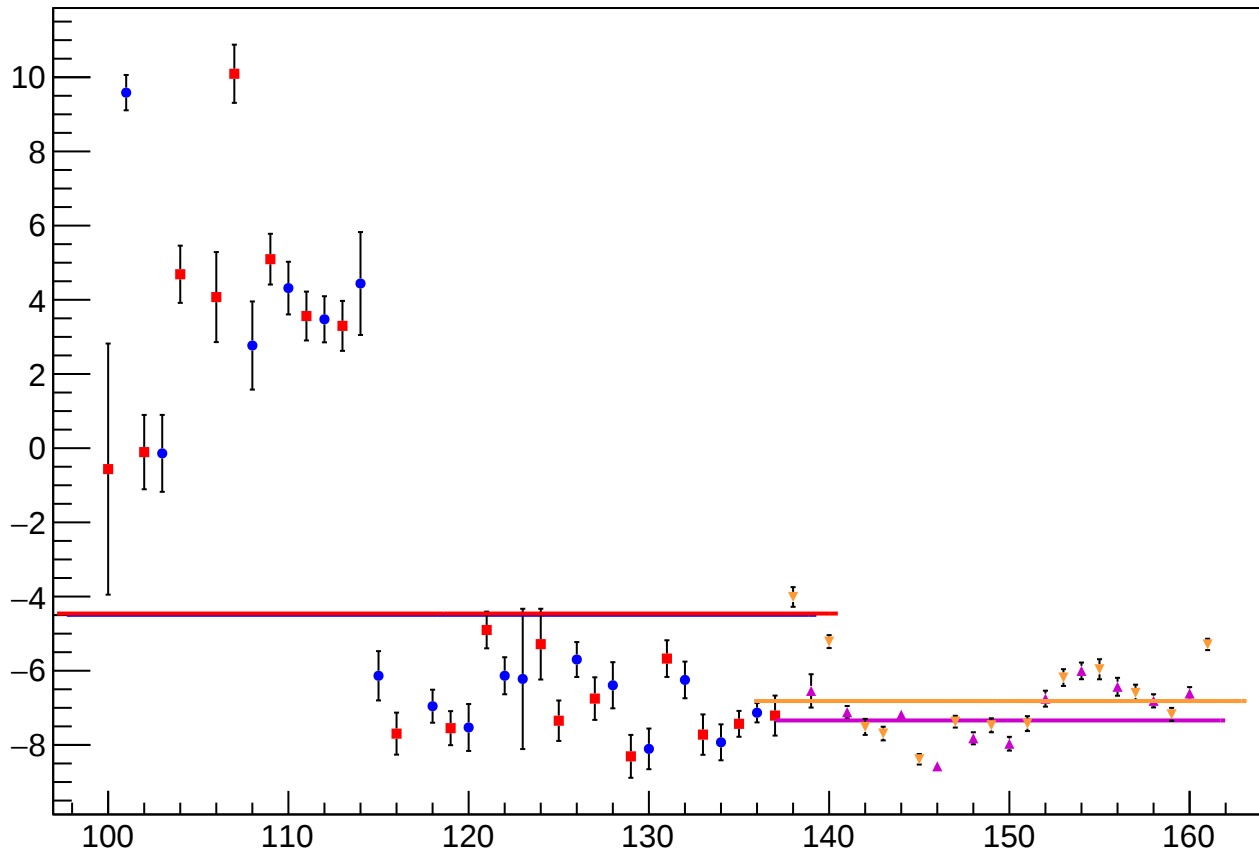
Right Out: 17.941 ± 0.219 χ^2/NDF : 505.6/18

Left In: 17.004 ± 0.065 χ^2/NDF : 1763.4/10

17.149 ± 0.061 χ^2/NDF : 1542.3/29

17.080 ± 0.062 χ^2/NDF : 2285.8/29

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: -6.817 ± 0.052 χ^2/NDF : 506.8/12

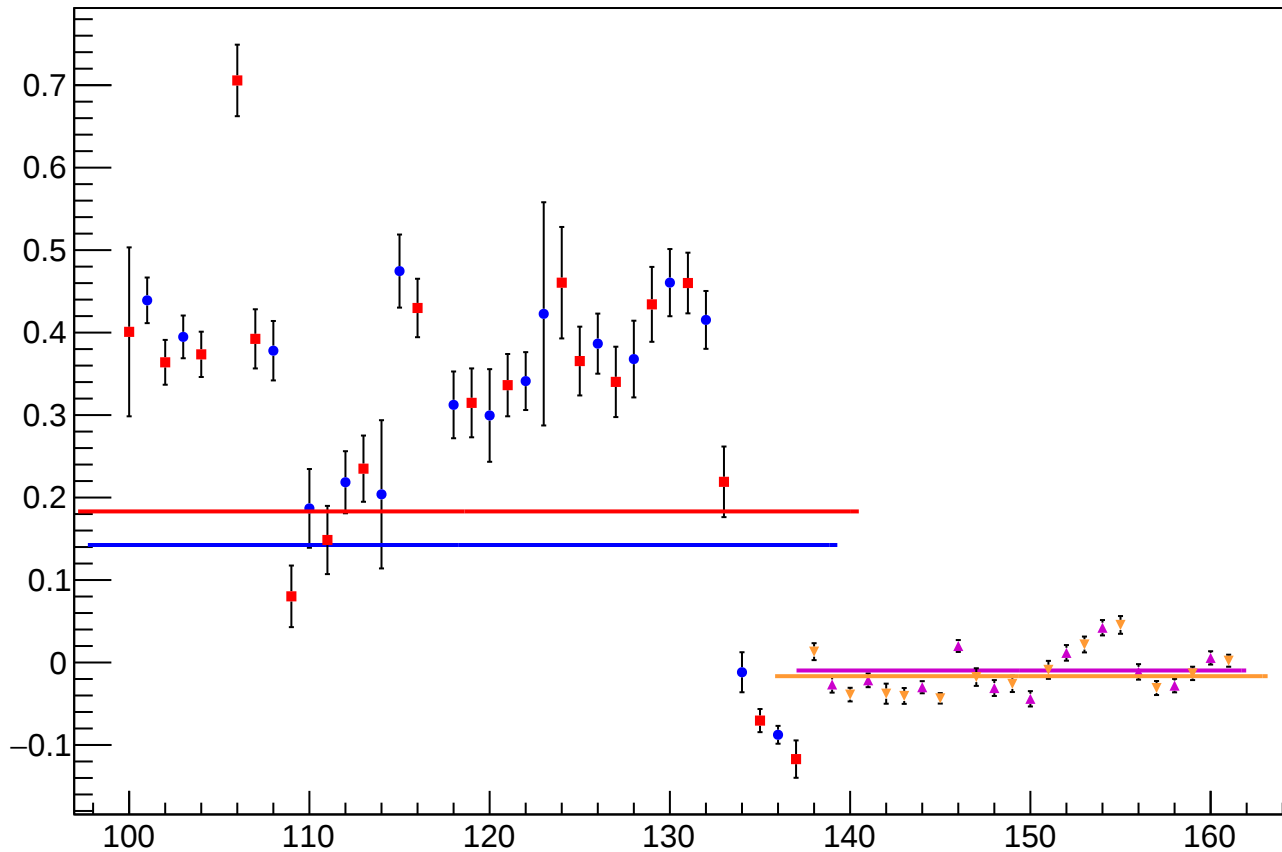
Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

Left In: -7.340 ± 0.053 χ^2/NDF : 209.3/10

-6.497 ± 0.048 χ^2/NDF : 2366.2/29

-6.962 ± 0.050 χ^2/NDF : 1932.6/29

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.017 ± 0.002 χ^2/NDF : 103.2/12

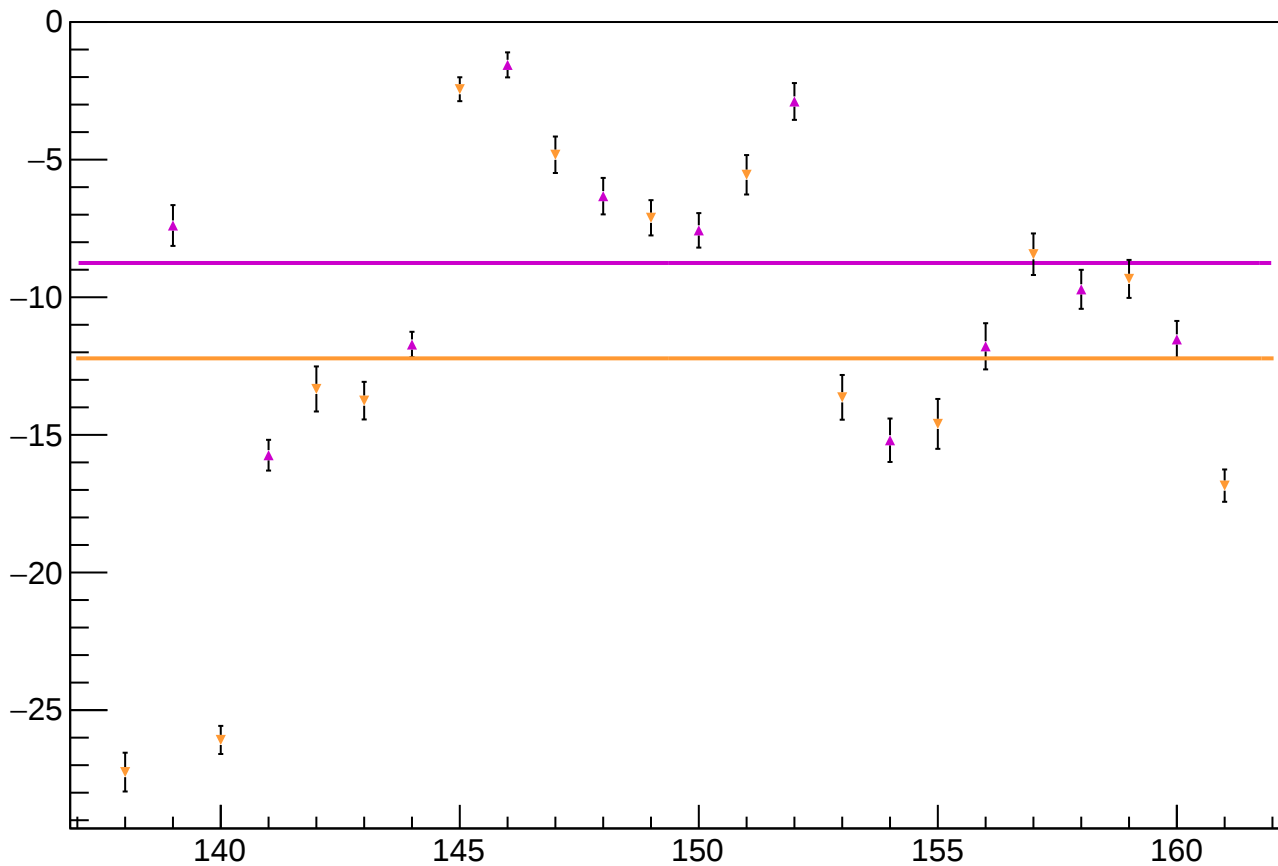
Right Out: 0.183 ± 0.007 χ^2/NDF : 1000.9/18

Left In: -0.010 ± 0.003 χ^2/NDF : 92.7/10

0.001 ± 0.002 χ^2/NDF : 1612.3/29

0.011 ± 0.002 χ^2/NDF : 1697.3/29

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -12.220+/-0.180 χ^2/NDF : 2095.9/12

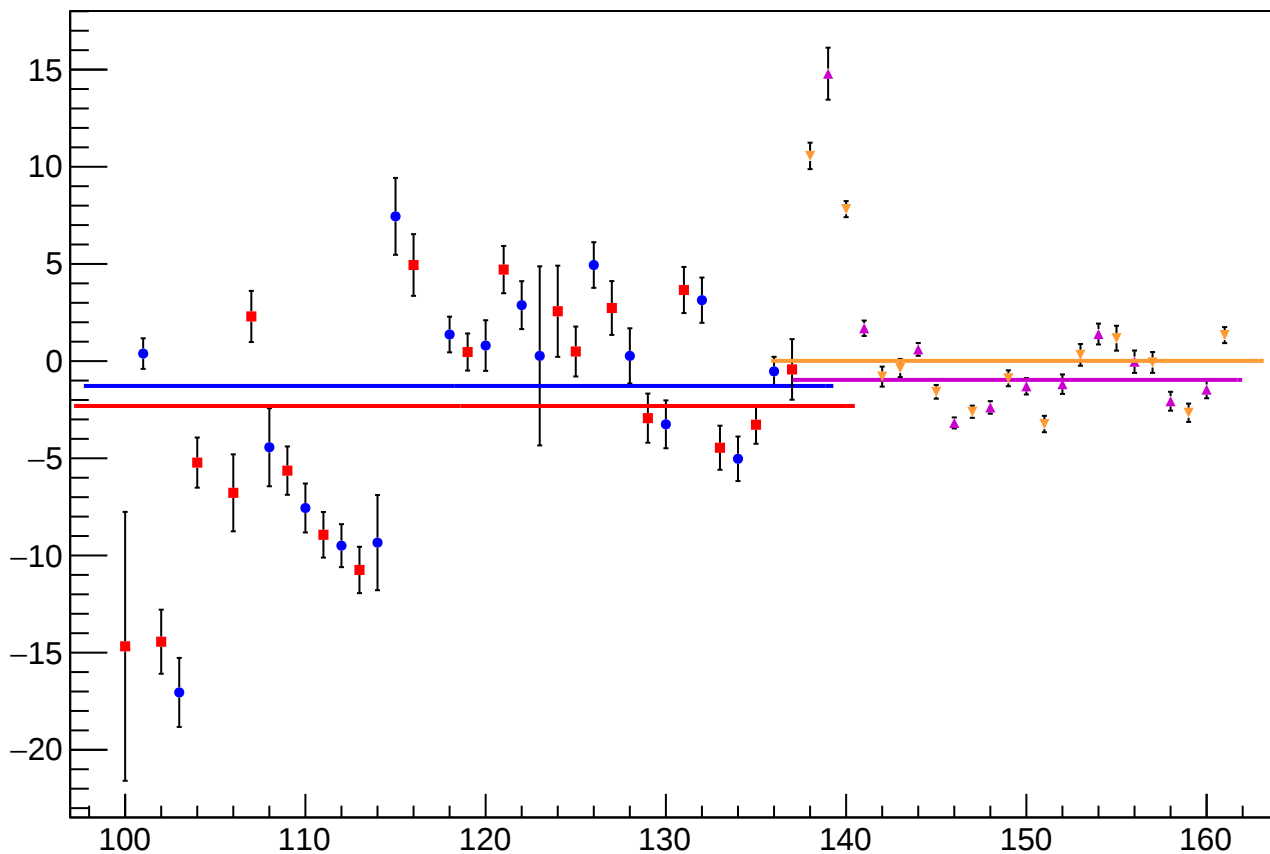
-12.220+/-0.180 χ^2/NDF : 2095.9/12

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

Left In: -8.755+/-0.186 χ^2/NDF : 644.3/10

-8.755+/-0.186 χ^2/NDF : 644.3/10

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 0.014 ± 0.124 χ^2/NDF : 798.0/12

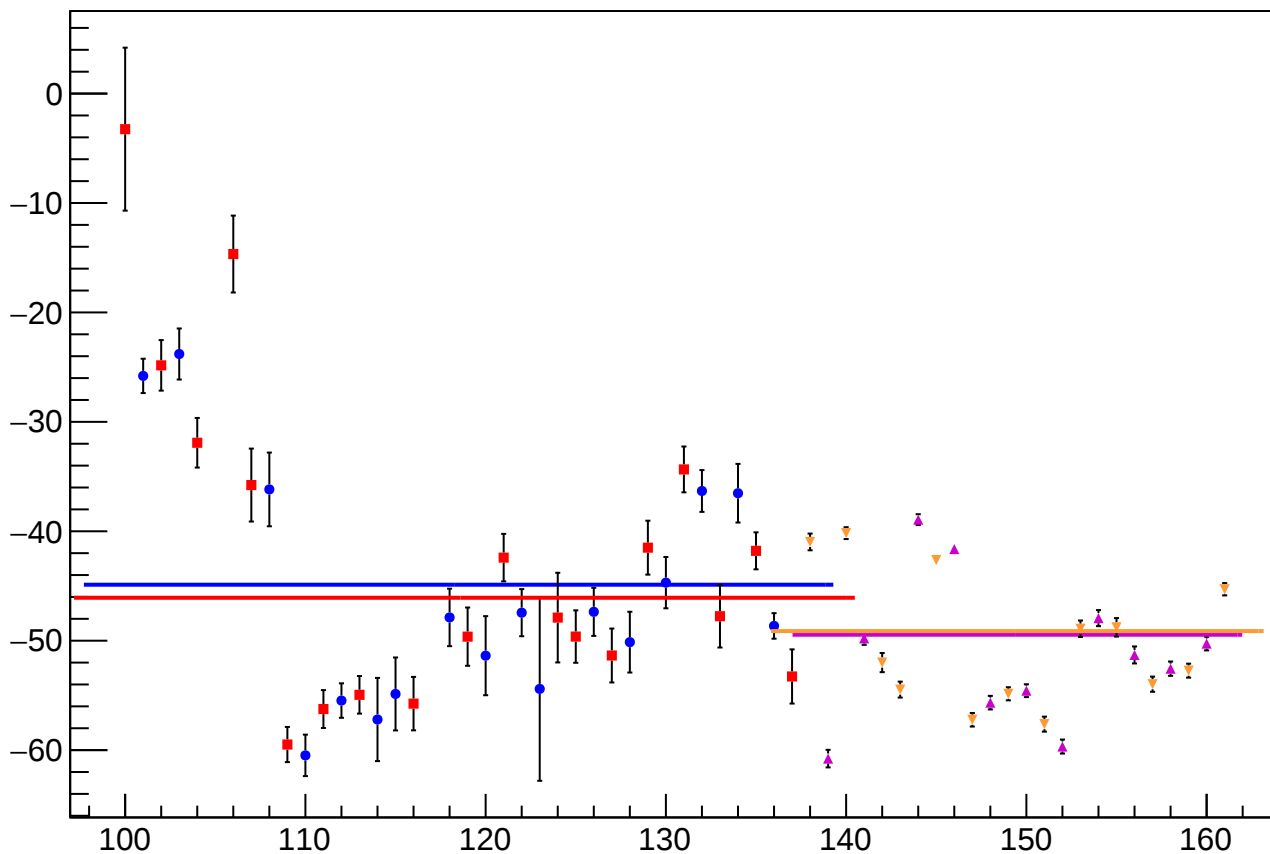
Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

Left In: -0.965 ± 0.125 χ^2/NDF : 316.1/10

-0.182 ± 0.114 χ^2/NDF : 1091.1/29

-1.163 ± 0.116 χ^2/NDF : 618.3/29

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 $\chi^2/\text{NDF}: 421.0/16$

Left Out: -49.122 ± 0.179 $\chi^2/\text{NDF}: 1193.1/12$

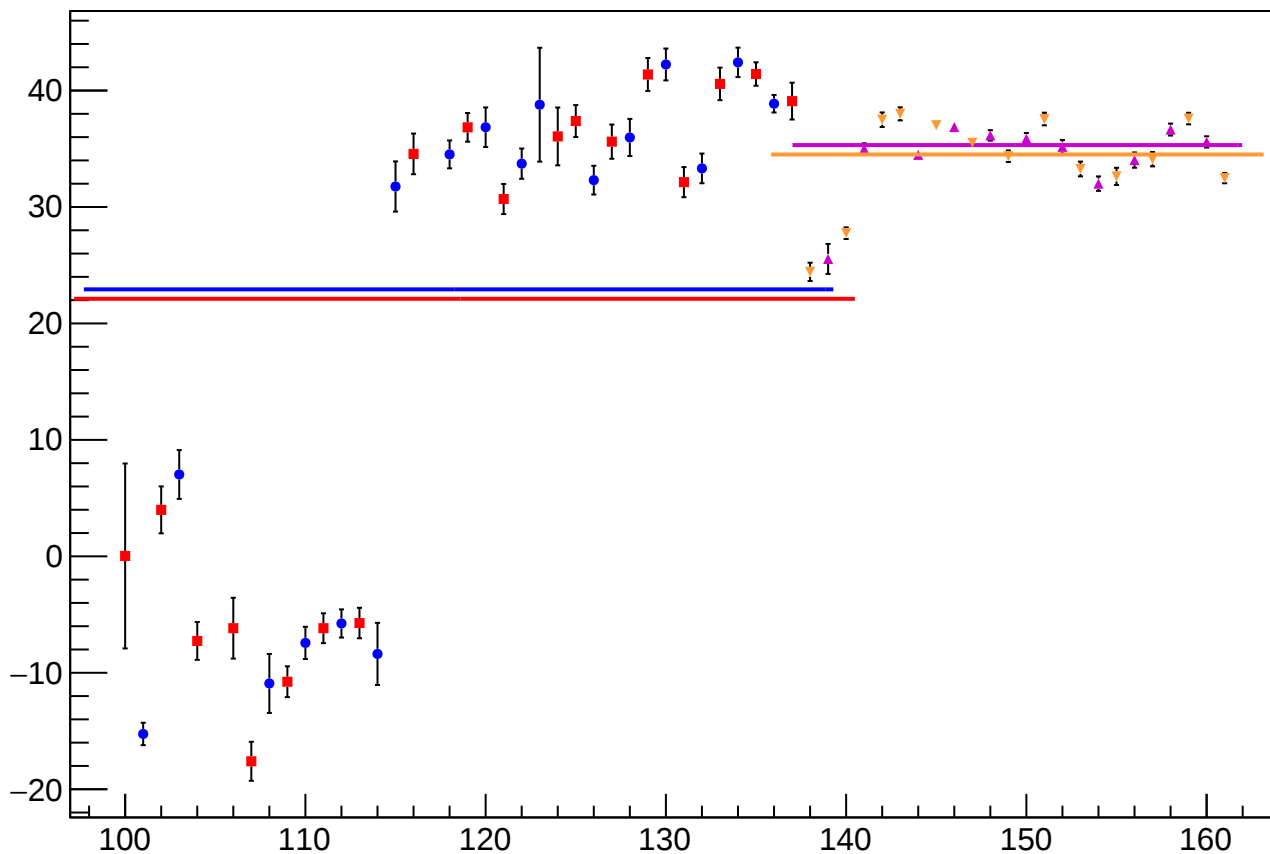
Right Out: -46.075 ± 0.529 $\chi^2/\text{NDF}: 454.3/18$

Left In: -49.455 ± 0.182 $\chi^2/\text{NDF}: 1438.1/10$

-48.681 ± 0.169 $\chi^2/\text{NDF}: 1672.6/29$

-49.095 ± 0.172 $\chi^2/\text{NDF}: 1928.9/29$

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: 34.509 $\pm$ 0.147 χ^2 /NDF:552.6/12

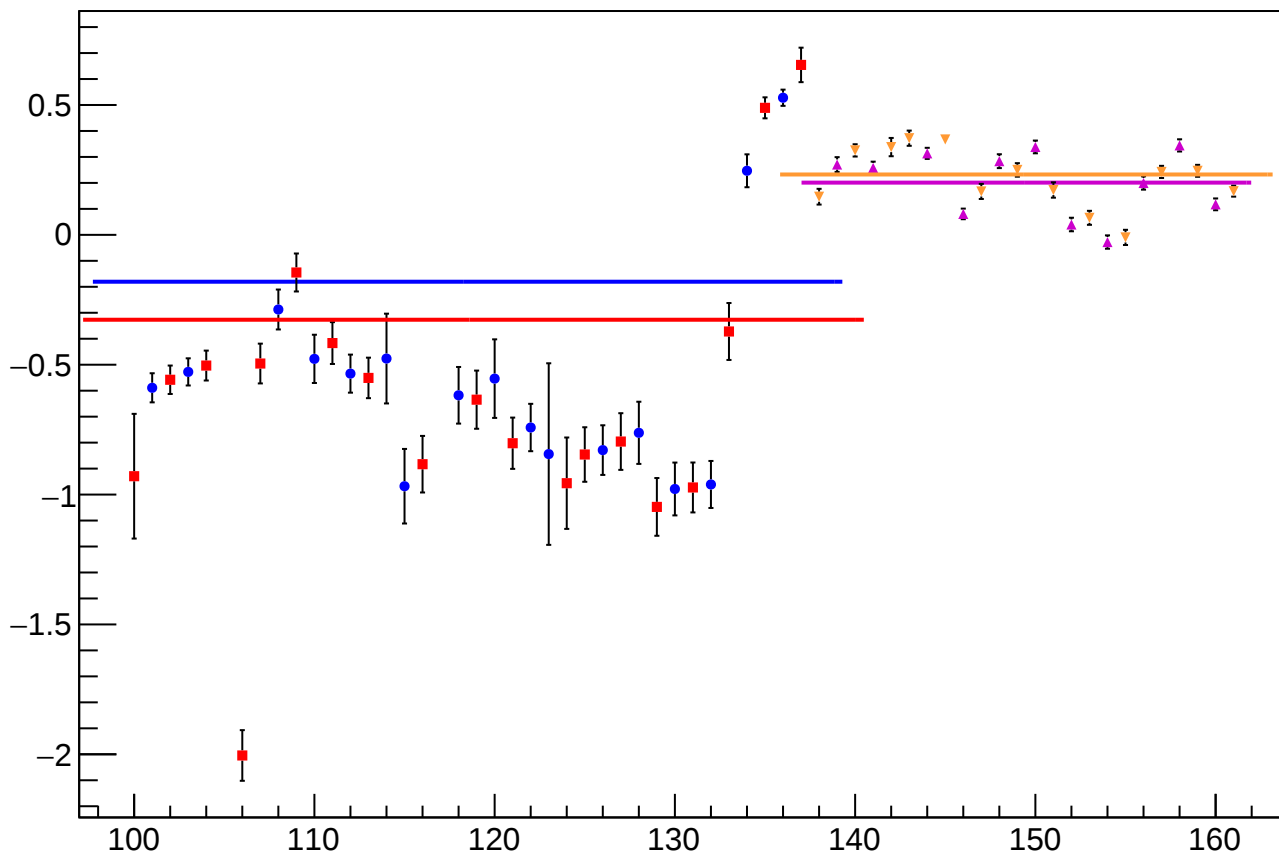
Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

Left In: 35.318 $\pm$ 0.150 χ^2 /NDF:125.6/10

32.573 $\pm$ 0.134 χ^2 /NDF: 5921.0/29

33.164 $\pm$ 0.137 χ^2 /NDF: 5420.8/29

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.232 ± 0.007 χ^2/NDF : 237.2/12

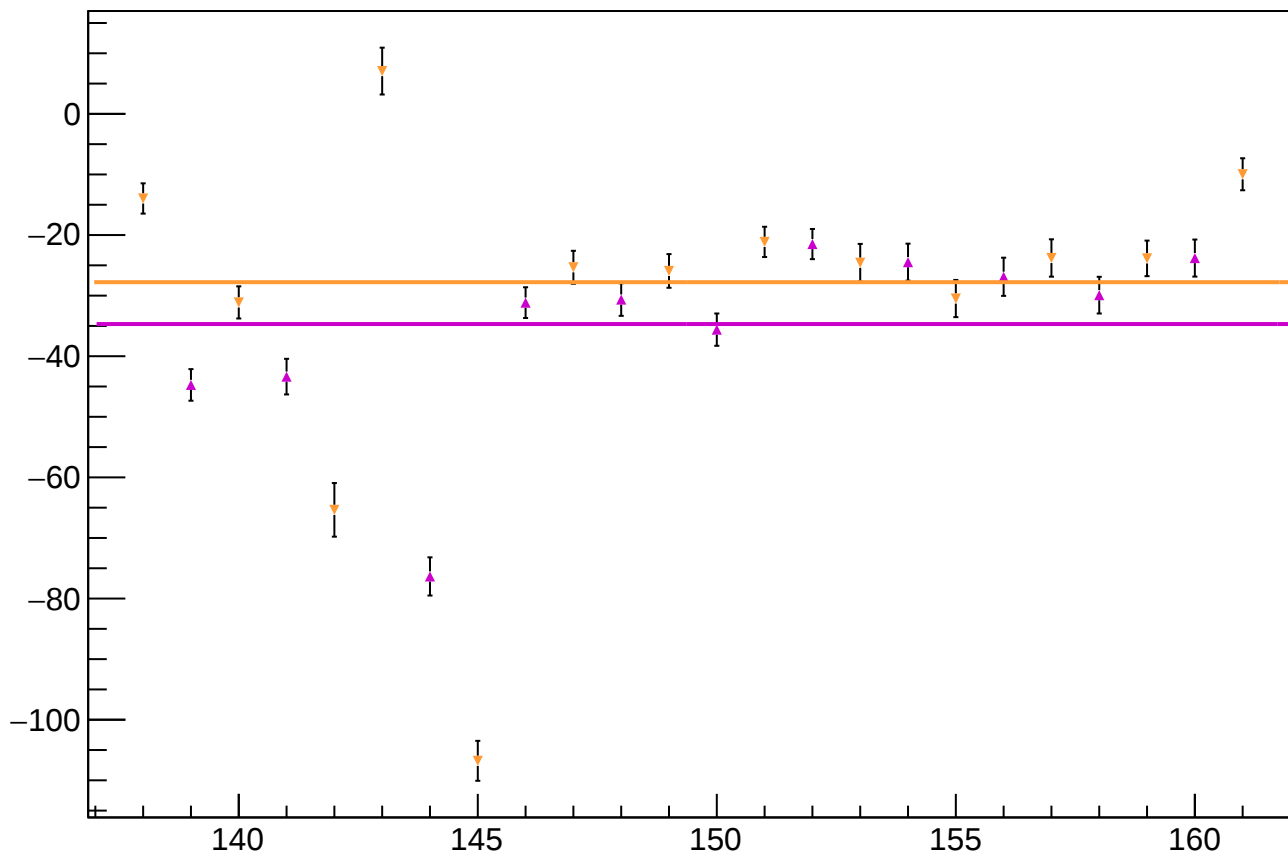
Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

Left In: 0.201 ± 0.007 χ^2/NDF : 283.2/10

0.177 ± 0.007 χ^2/NDF : 1699.8/29

0.128 ± 0.007 χ^2/NDF : 2184.2/29

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -27.781+/-0.813 χ^2 /NDF:819.1/12

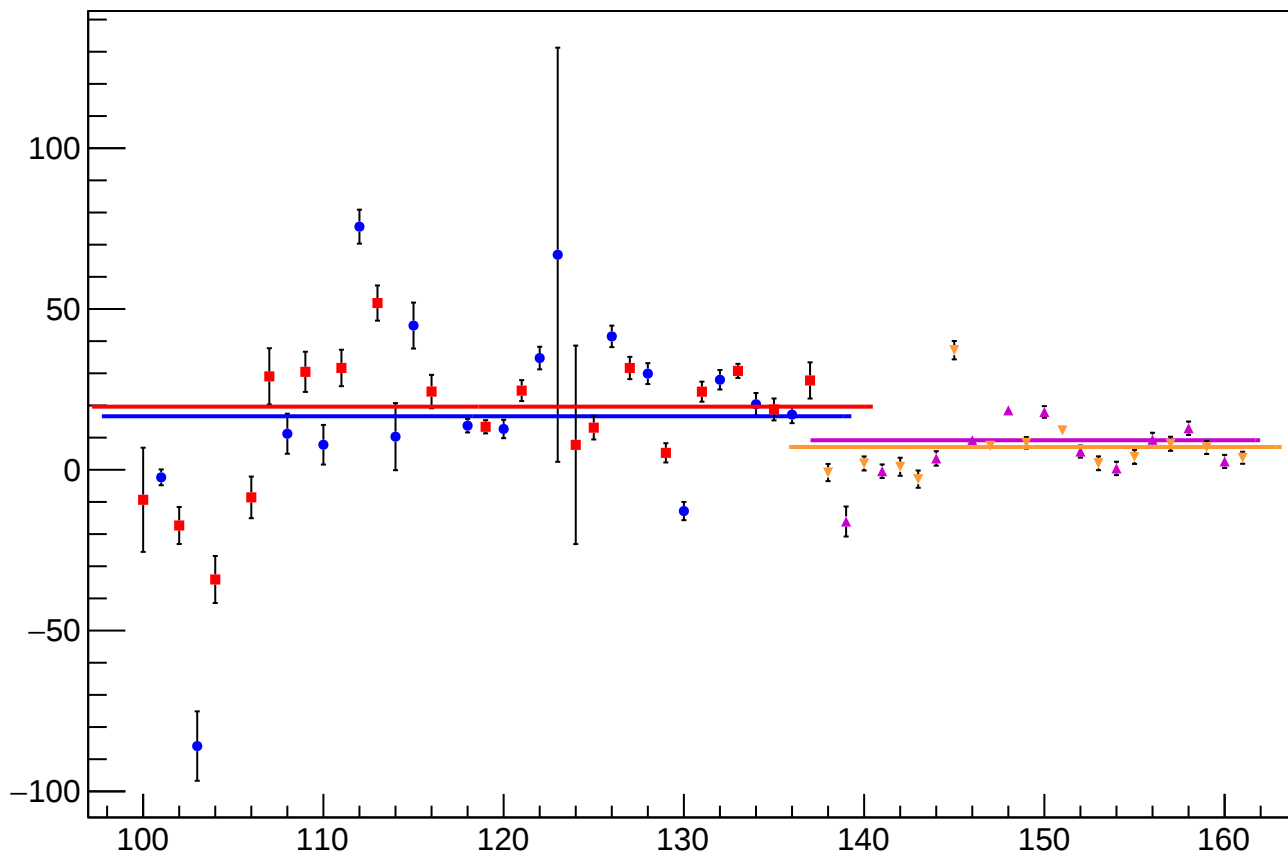
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: -34.692+/-0.850 χ^2 /NDF:263.1/10

-27.781+/-0.813 χ^2 /NDF: 819.1/12

-34.692+/-0.850 χ^2 /NDF: 263.1/10

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 7.087 ± 0.549 $\chi^2/\text{NDF}: 168.7/12$

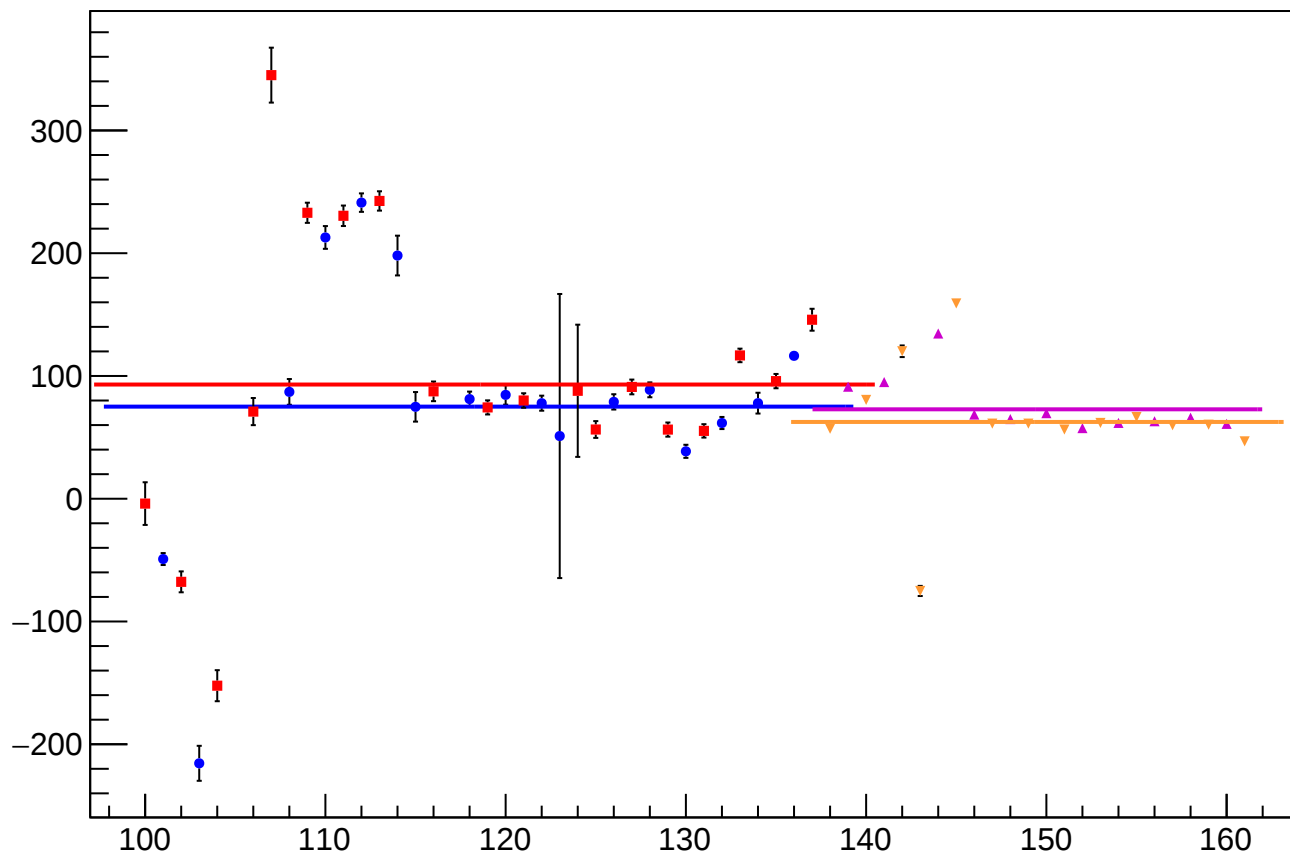
Right Out: 19.632 ± 0.896 $\chi^2/\text{NDF}: 241.7/18$

Left In: 9.187 ± 0.577 $\chi^2/\text{NDF}: 165.7/10$

9.861 ± 0.463 $\chi^2/\text{NDF}: 775.5/29$

12.245 ± 0.485 $\chi^2/\text{NDF}: 503.4/29$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 62.548 $\pm$ 0.794 χ^2 /NDF: 2151.0/12

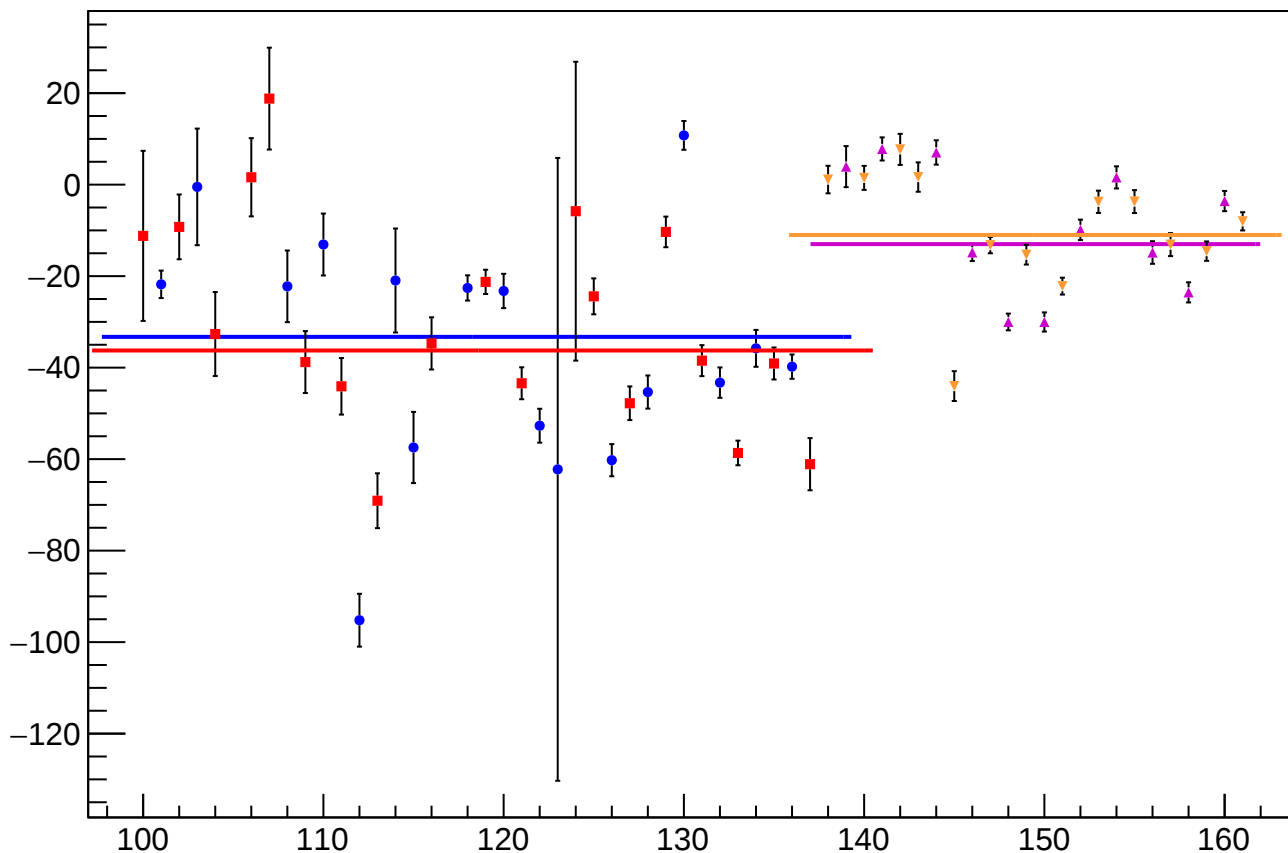
Right Out: 93.028 $\pm$ 1.711 χ^2 /NDF: 2003.6/18

Left In: 72.836 $\pm$ 0.824 χ^2 /NDF: 533.8/10

64.904 $\pm$ 0.715 χ^2 /NDF: 4197.3/29

76.639 $\pm$ 0.743 χ^2 /NDF: 2650.4/29

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -11.001 ± 0.657 χ^2/NDF : 252.8/12

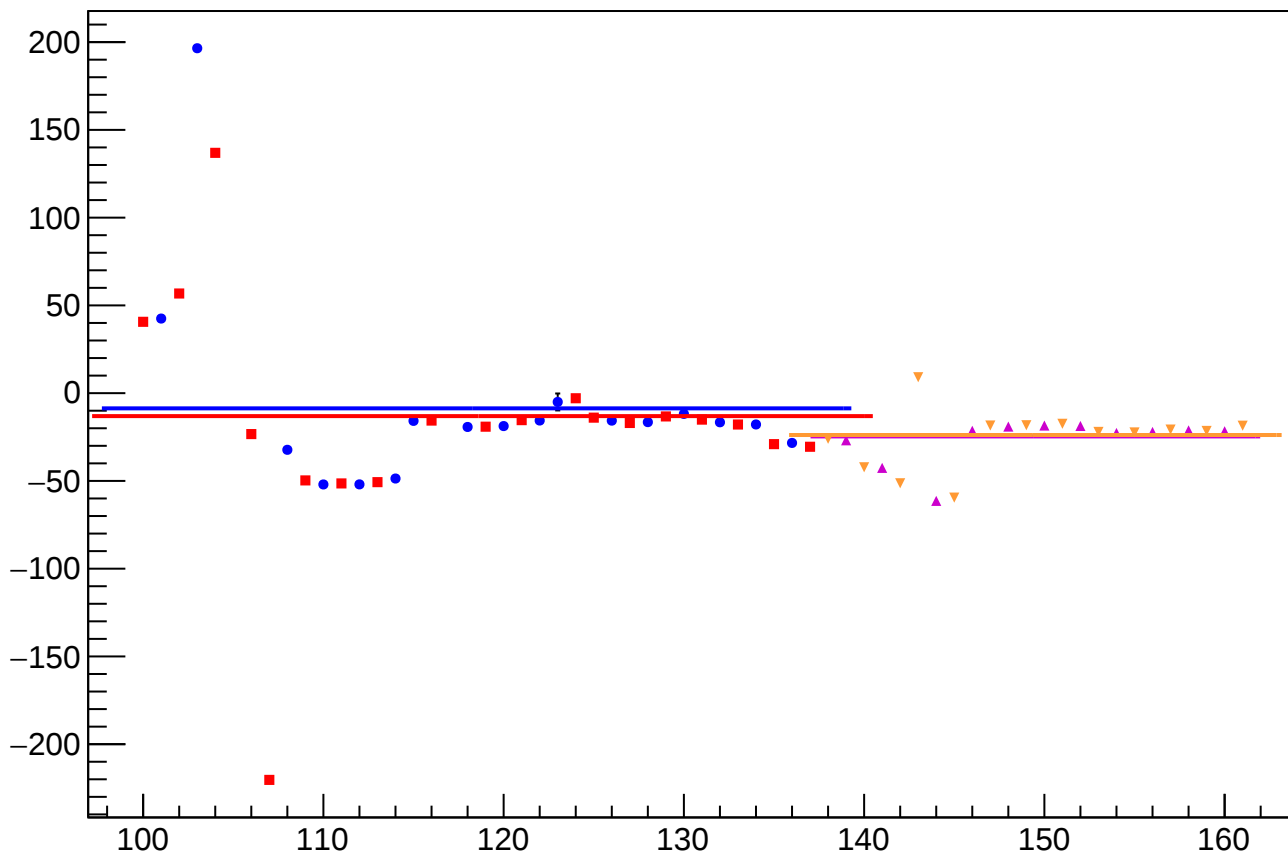
Right Out: -36.251 ± 1.024 χ^2/NDF : 297.6/18

Left In: -12.999 ± 0.690 χ^2/NDF : 372.3/10

-17.882 ± 0.546 χ^2/NDF : 1097.6/29

-20.262 ± 0.572 χ^2/NDF : 1024.6/29

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -23.844 ± 0.031 $\chi^2/\text{NDF}: 166722.7/12$

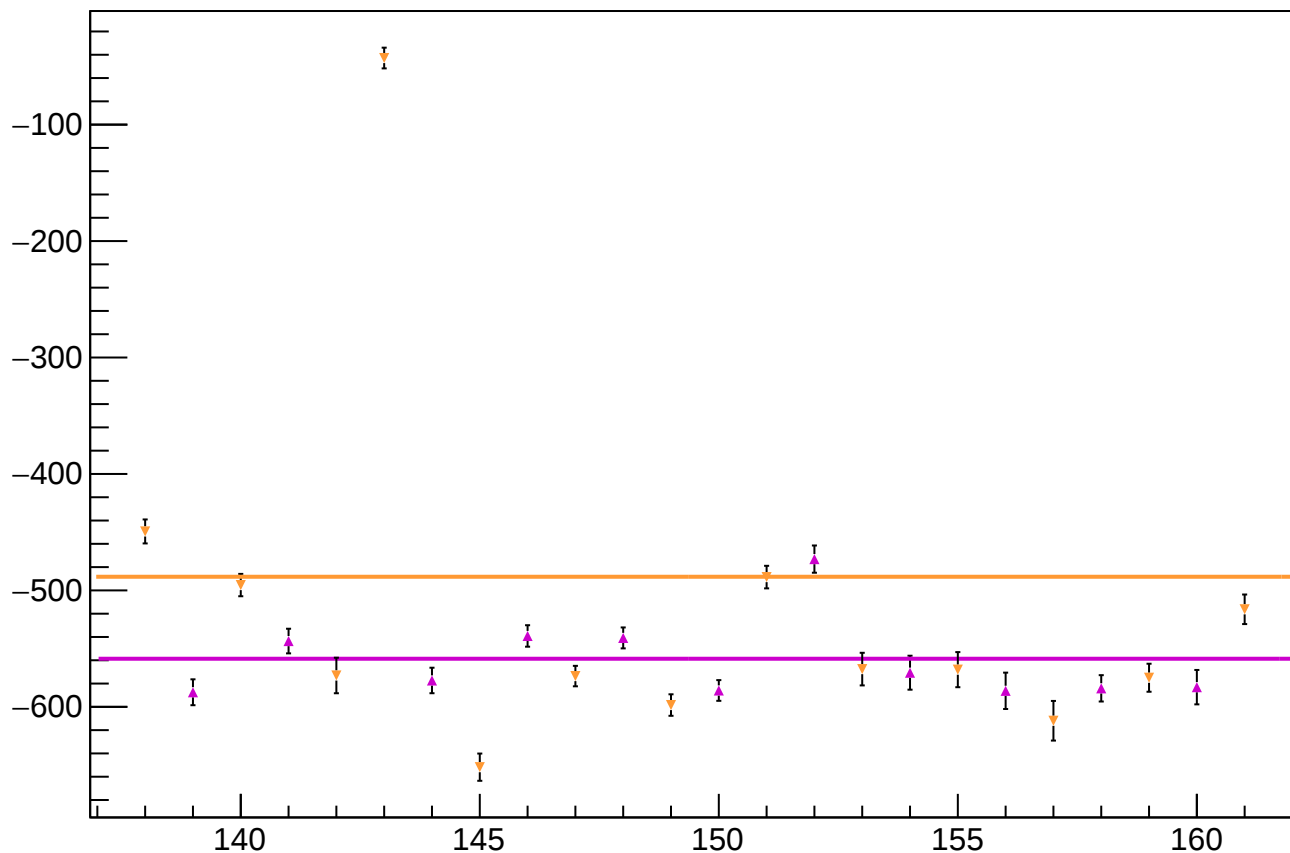
Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

Left In: -24.656 ± 0.032 $\chi^2/\text{NDF}: 96415.6/10$

-20.567 ± 0.027 $\chi^2/\text{NDF}: 794280.1/29$

-22.207 ± 0.028 $\chi^2/\text{NDF}: 682390.2/29$

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -488.277+/-3.072 χ^2/NDF : 3153.2/12

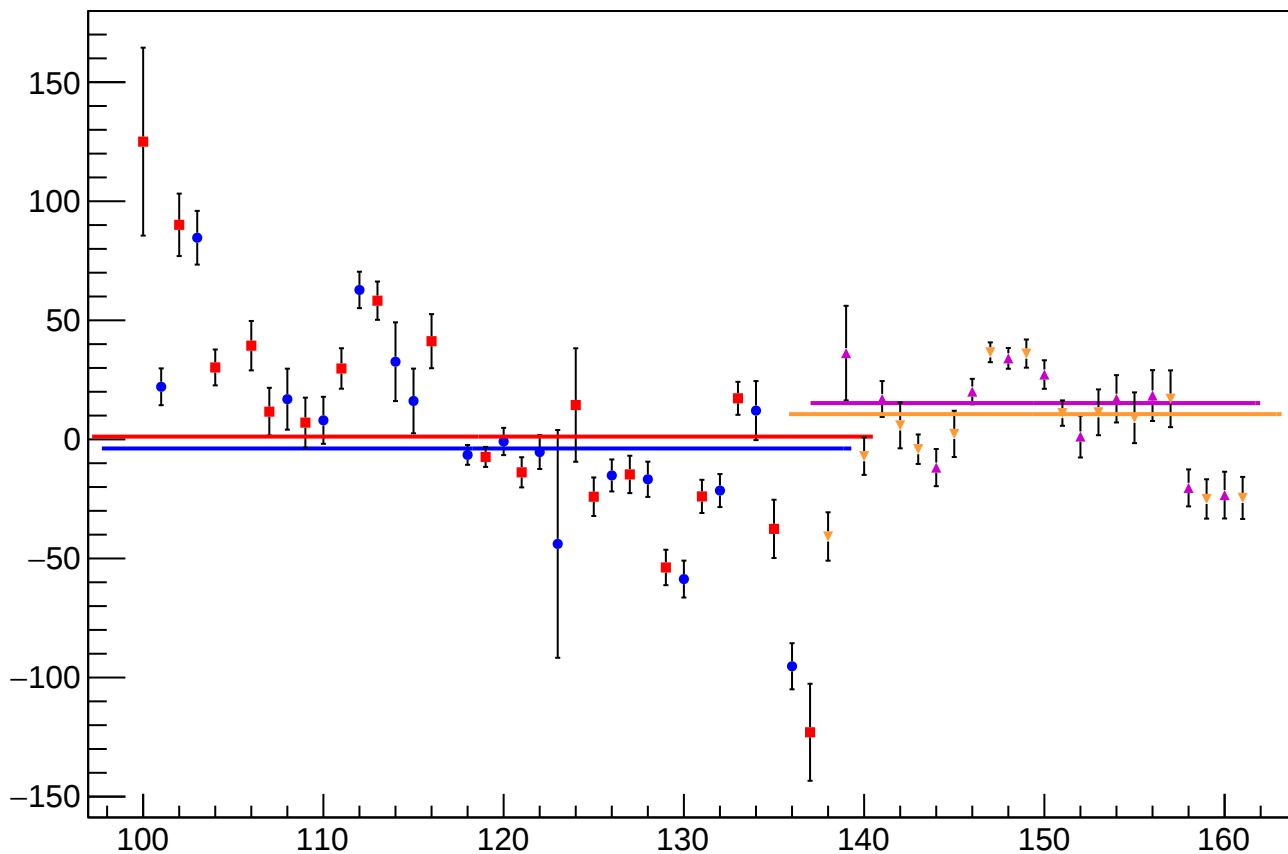
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -558.688+/-3.321 χ^2/NDF : 94.6/10

-488.277+/-3.072 χ^2/NDF : 3153.2/12

-558.688+/-3.321 χ^2/NDF : 94.6/10

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 10.612 ± 2.004 χ^2/NDF : 129.4/12

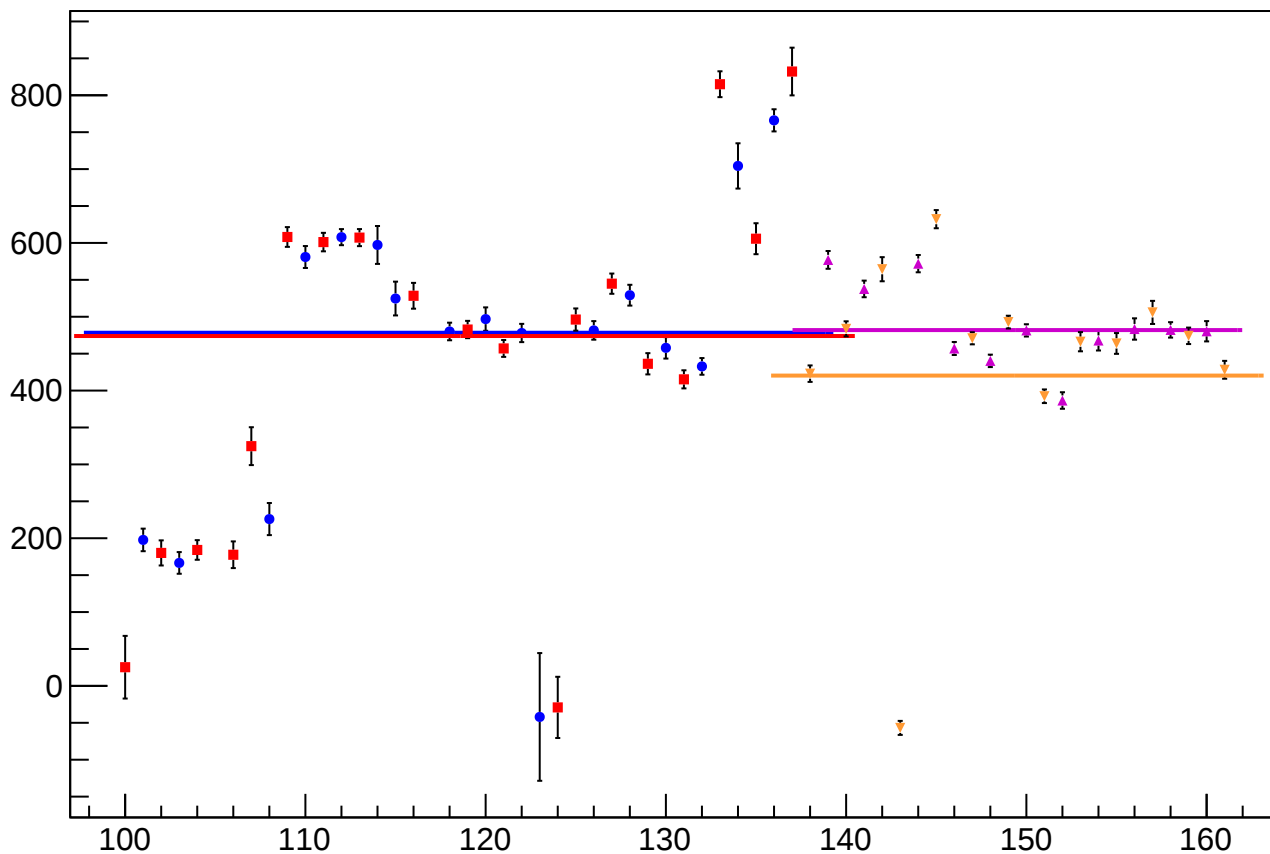
Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

Left In: 15.264 ± 2.178 χ^2/NDF : 75.8/10

3.101 ± 1.387 χ^2/NDF : 470.7/29

7.313 ± 1.438 χ^2/NDF : 403.3/29

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 420.312 $\pm$ 3.029 χ^2 /NDF: 3129.5/12

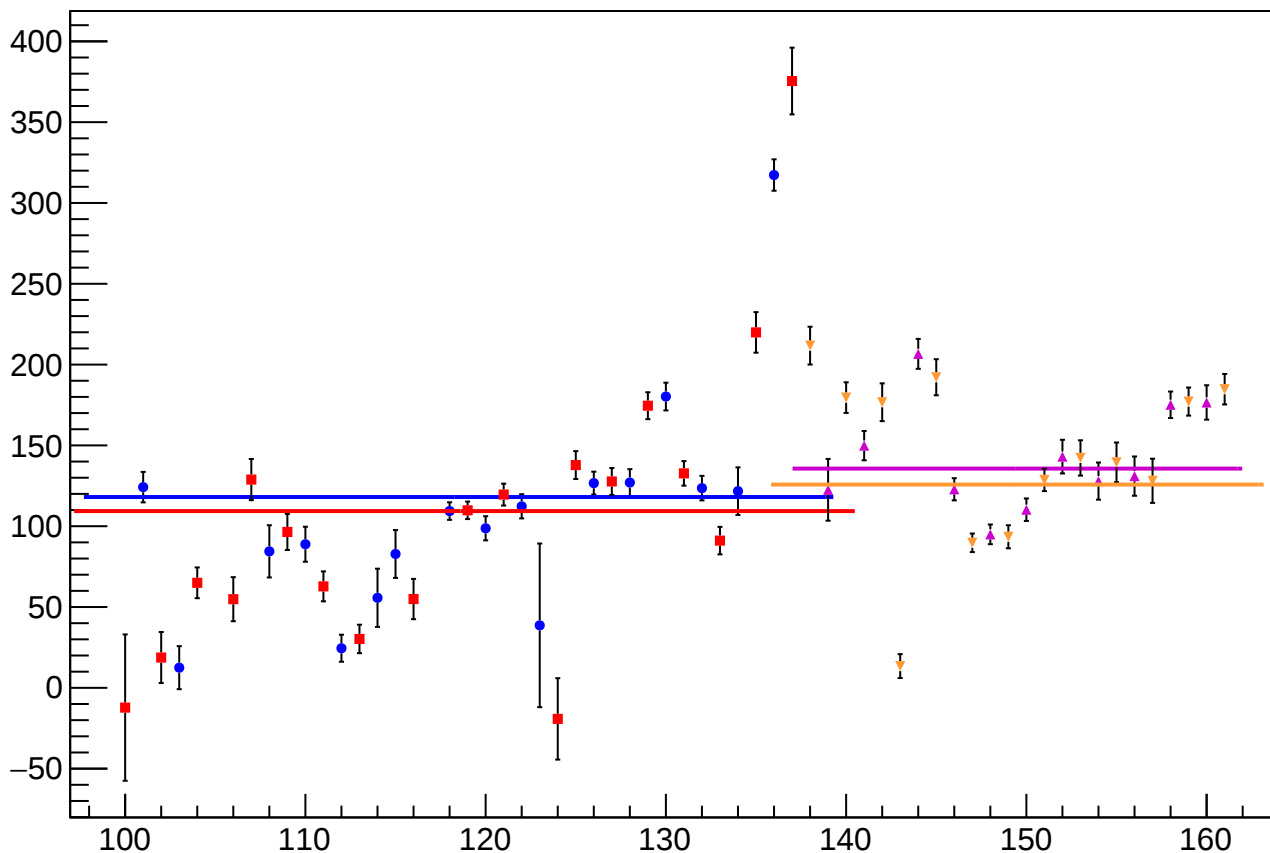
Right Out: 473.902 $\pm$ 3.531 χ^2 /NDF: 2285.0/18

Left In: 481.946 $\pm$ 3.225 χ^2 /NDF: 252.0/10

443.882 $\pm$ 2.334 χ^2 /NDF: 4907.4/29

478.288 $\pm$ 2.381 χ^2 /NDF: 2539.8/29

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 ± 2.225 $\chi^2/\text{NDF}: 705.3/16$

Left Out: 125.774 ± 2.442 $\chi^2/\text{NDF}: 508.9/12$

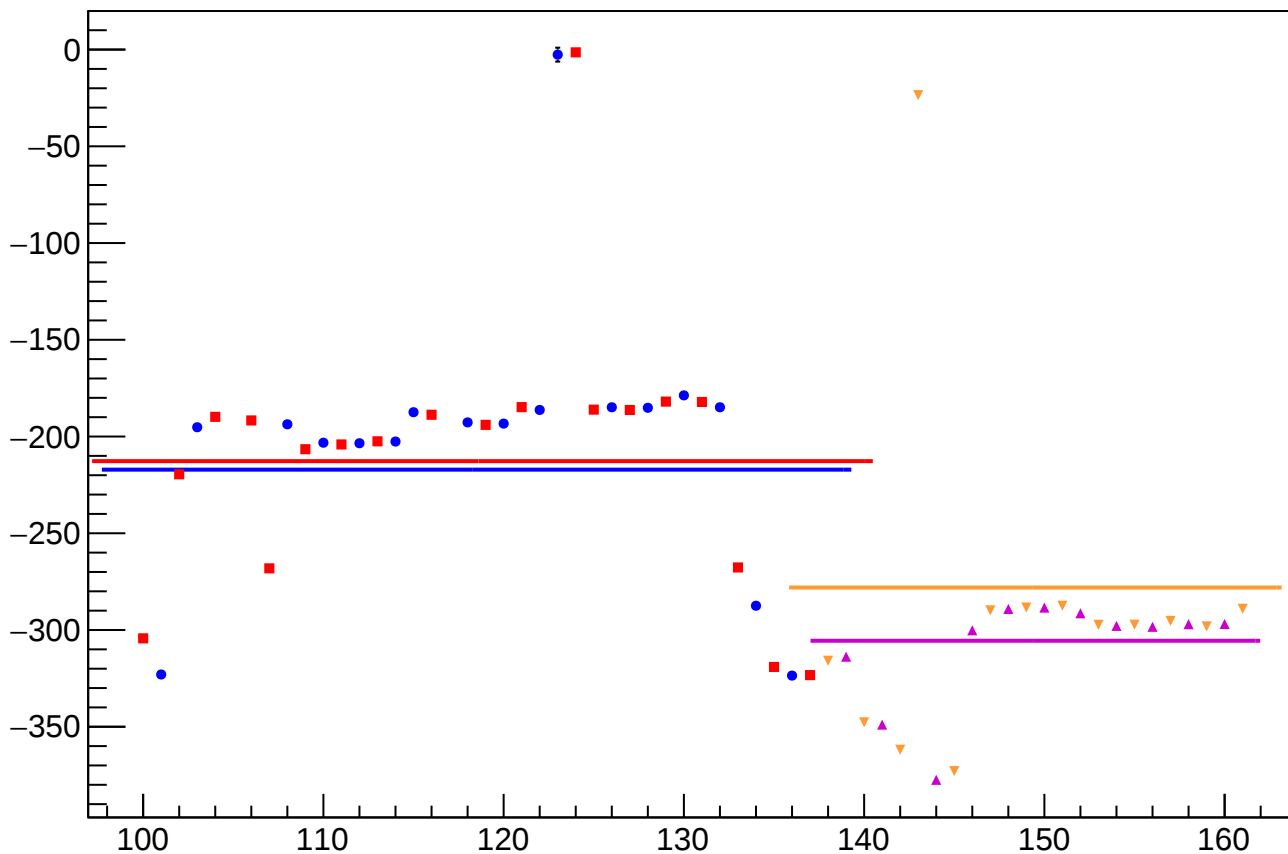
Right Out: 109.367 ± 2.205 $\chi^2/\text{NDF}: 569.8/18$

Left In: 135.653 ± 2.647 $\chi^2/\text{NDF}: 162.4/10$

121.556 ± 1.645 $\chi^2/\text{NDF}: 1219.7/29$

120.133 ± 1.694 $\chi^2/\text{NDF}: 790.4/29$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -278.035 ± 0.122 $\chi^2/\text{NDF}: 544007.5/12$

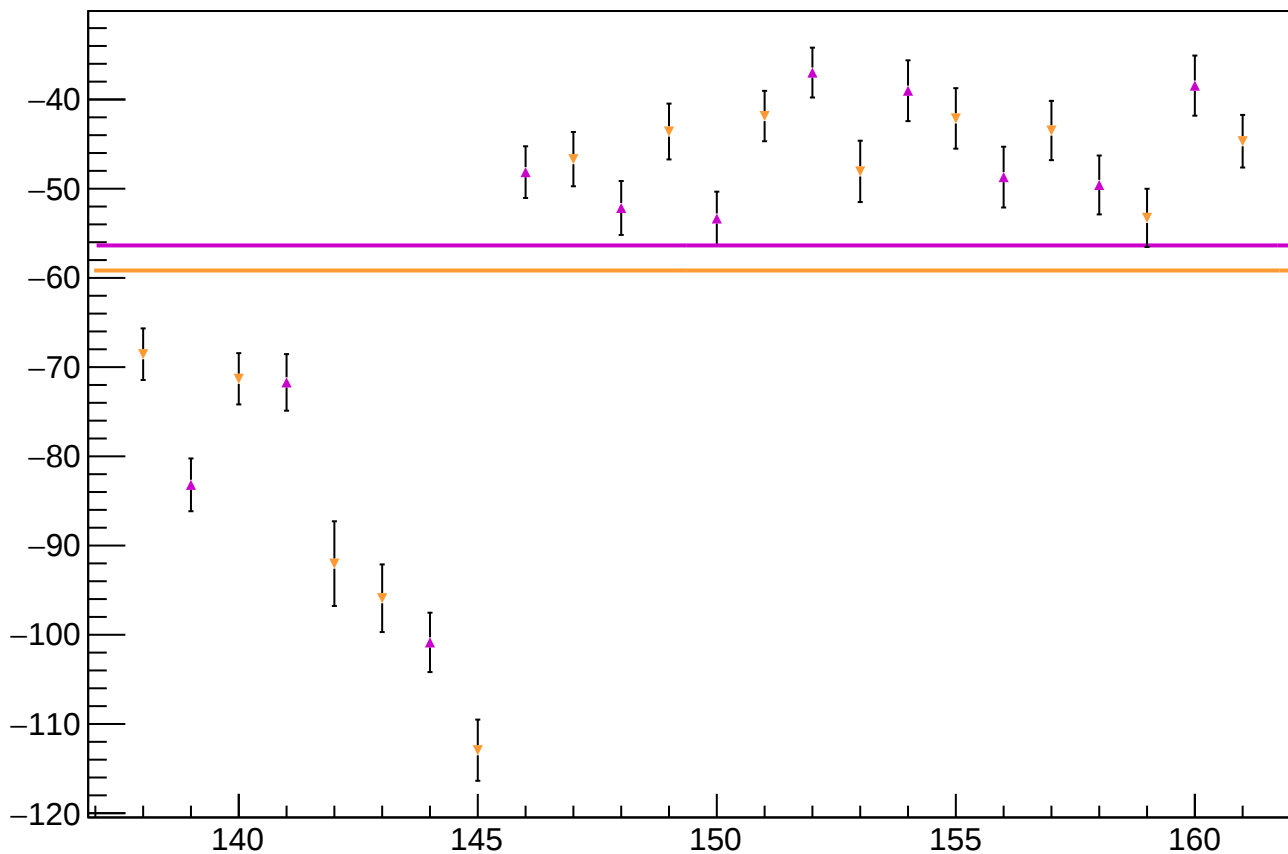
Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

Left In: -305.555 ± 0.128 $\chi^2/\text{NDF}: 36032.4/10$

-251.008 ± 0.091 $\chi^2/\text{NDF}: 801237.5/29$

-259.826 ± 0.091 $\chi^2/\text{NDF}: 409700.1/29$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -59.168+/-0.896 χ^2/NDF : 580.8/12

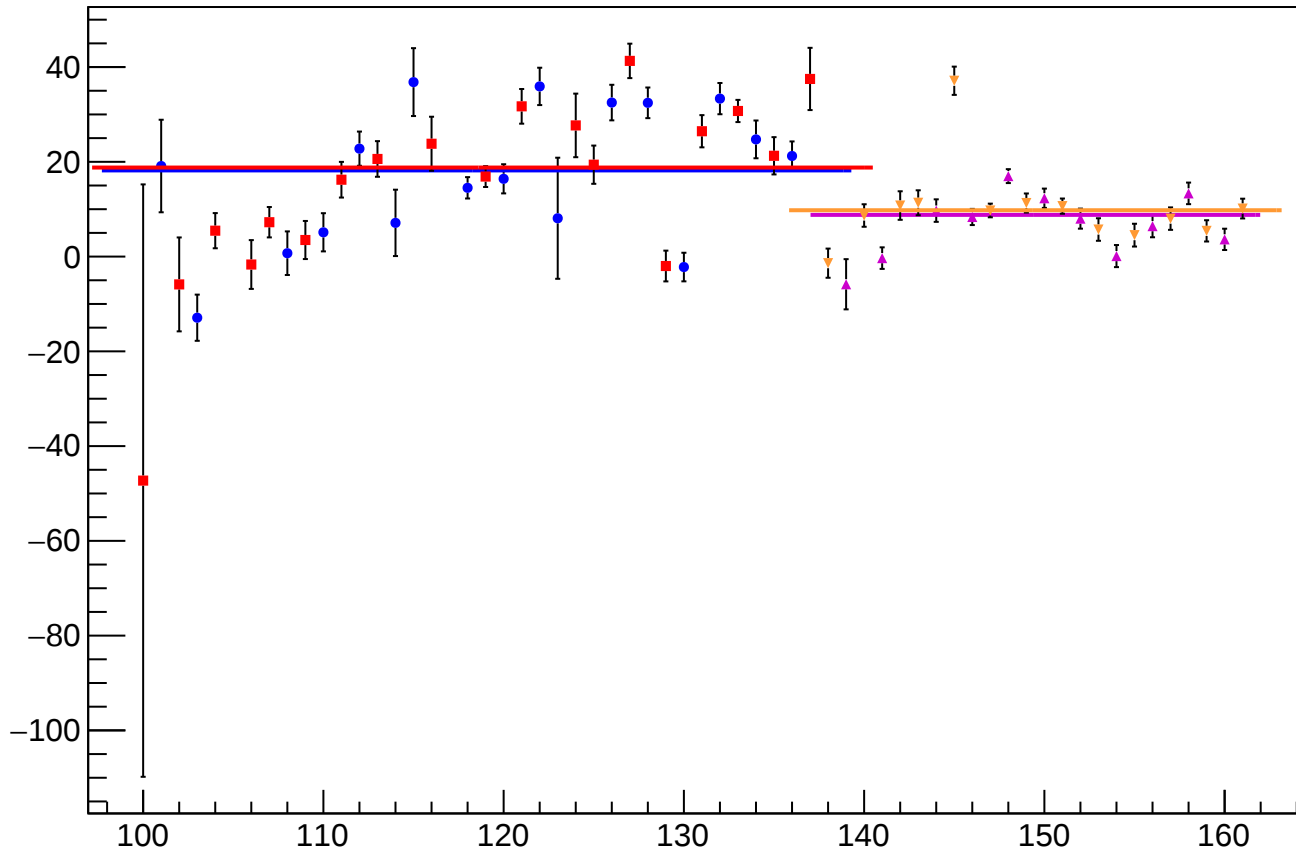
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -56.358+/-0.943 χ^2/NDF : 407.2/10

-59.168+/-0.896 χ^2/NDF : 580.8/12

-56.358+/-0.943 χ^2/NDF : 407.2/10

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.781 ± 0.606 χ^2/NDF : 110.8/12

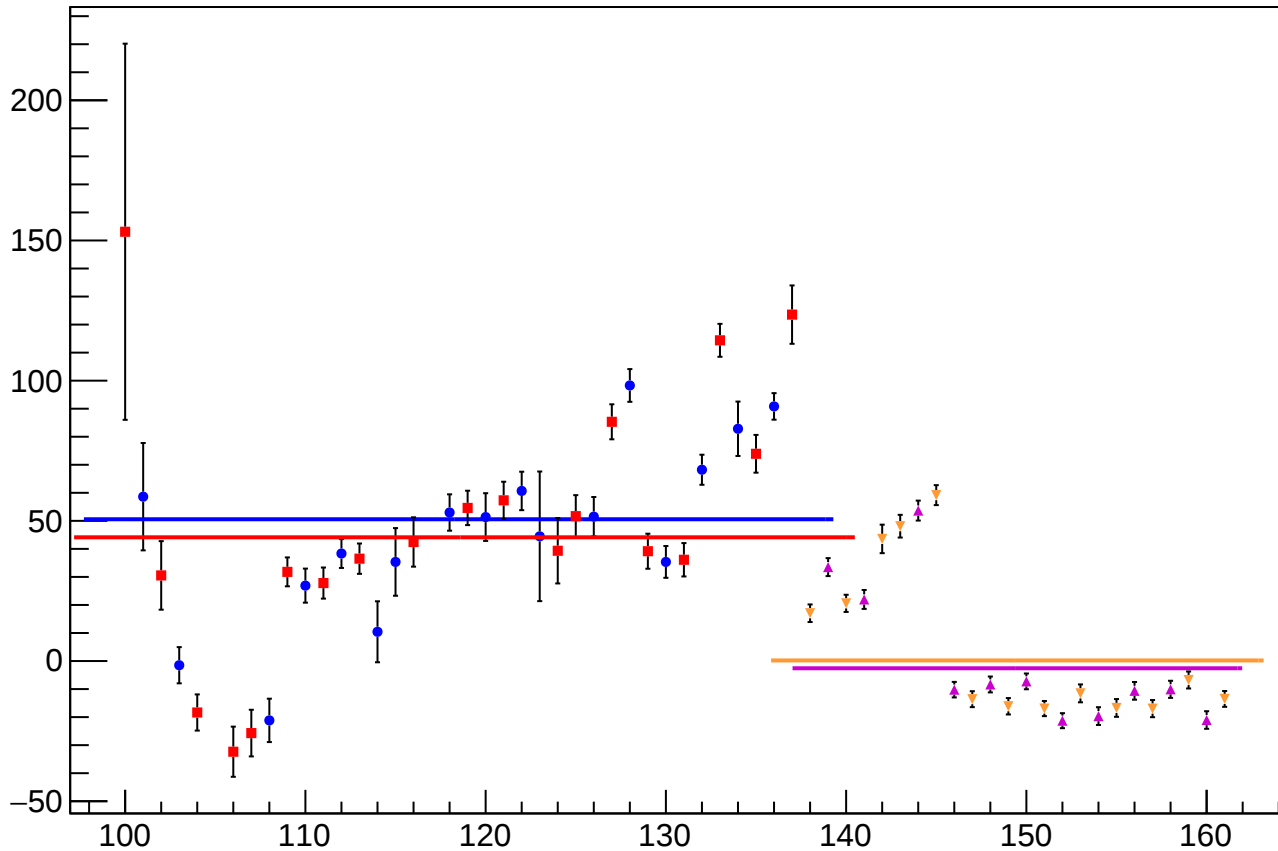
Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

Left In: 8.805 ± 0.641 χ^2/NDF : 82.3/10

12.336 ± 0.506 χ^2/NDF : 374.2/29

12.358 ± 0.515 χ^2/NDF : 367.3/29

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 ± 1.678 $\chi^2/\text{NDF}: 357.9/16$

Left Out: 0.209 ± 0.875 $\chi^2/\text{NDF}: 758.0/12$

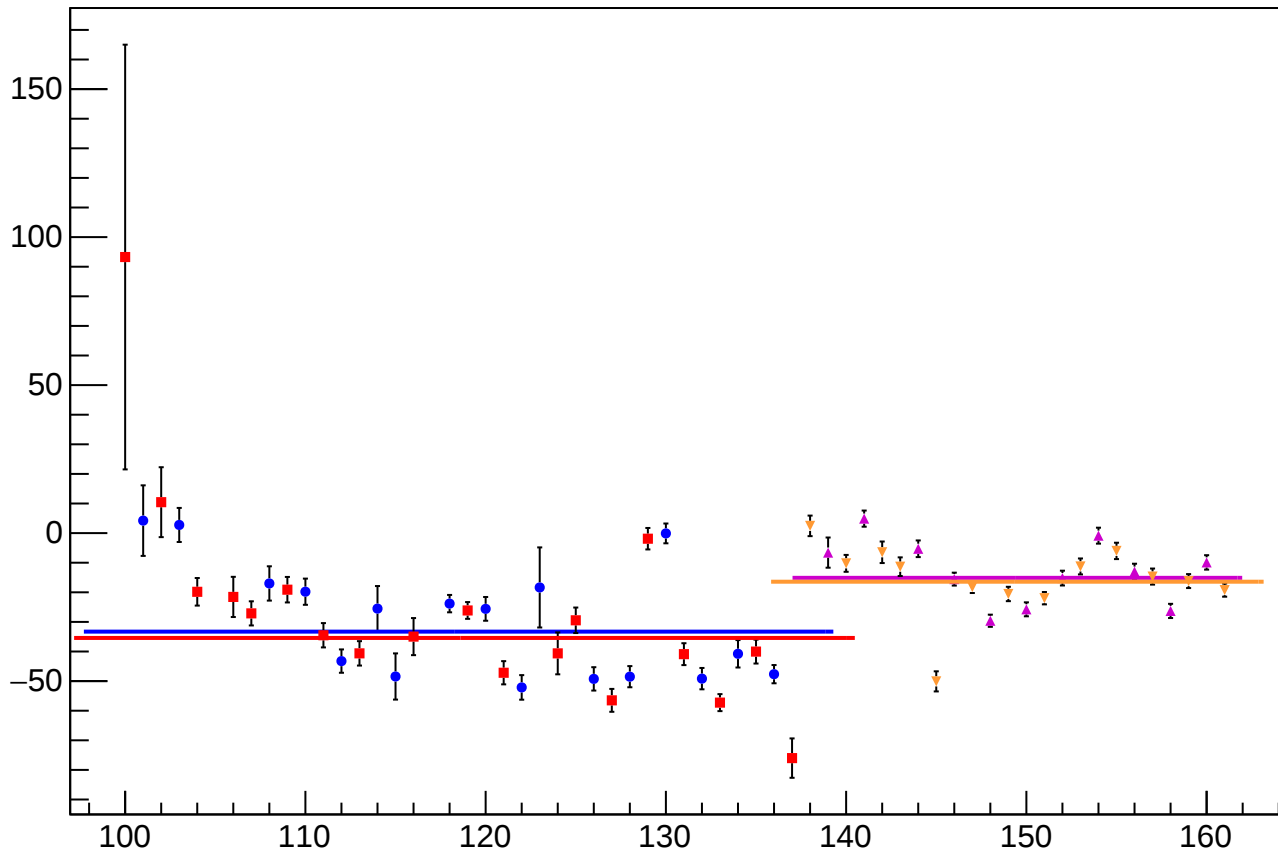
Right Out: 44.132 ± 1.603 $\chi^2/\text{NDF}: 532.5/18$

Left In: -2.580 ± 0.915 $\chi^2/\text{NDF}: 569.0/10$

10.988 ± 0.776 $\chi^2/\text{NDF}: 1824.1/29$

8.902 ± 0.795 $\chi^2/\text{NDF}: 1742.4/29$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.418 ± 0.724 χ^2/NDF : 173.3/12

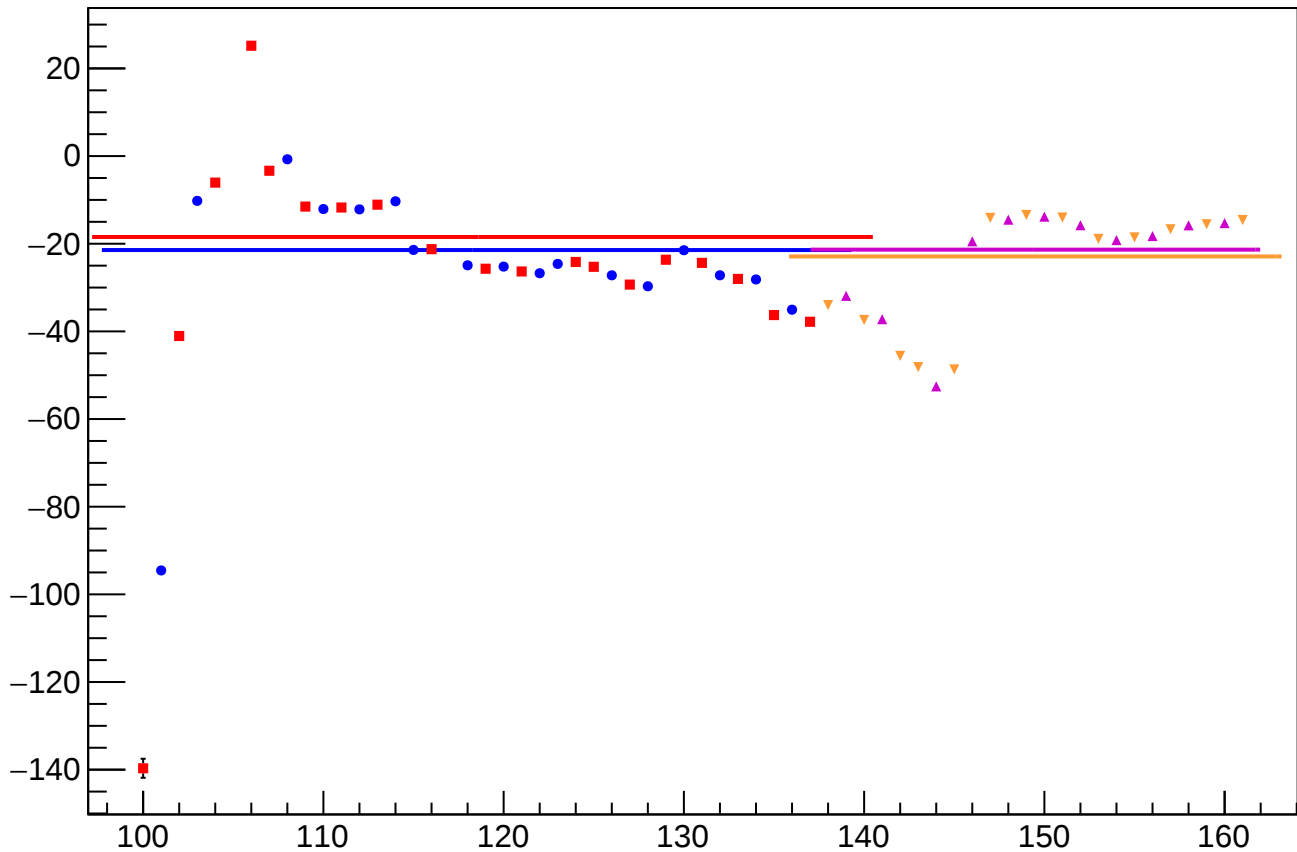
Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

Left In: -15.112 ± 0.766 χ^2/NDF : 193.9/10

-21.898 ± 0.595 χ^2/NDF : 639.7/29

-22.697 ± 0.606 χ^2/NDF : 746.4/29

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 χ^2/NDF : 48968.5/16

Left Out: -22.903 ± 0.034 χ^2/NDF : 123346.4/12

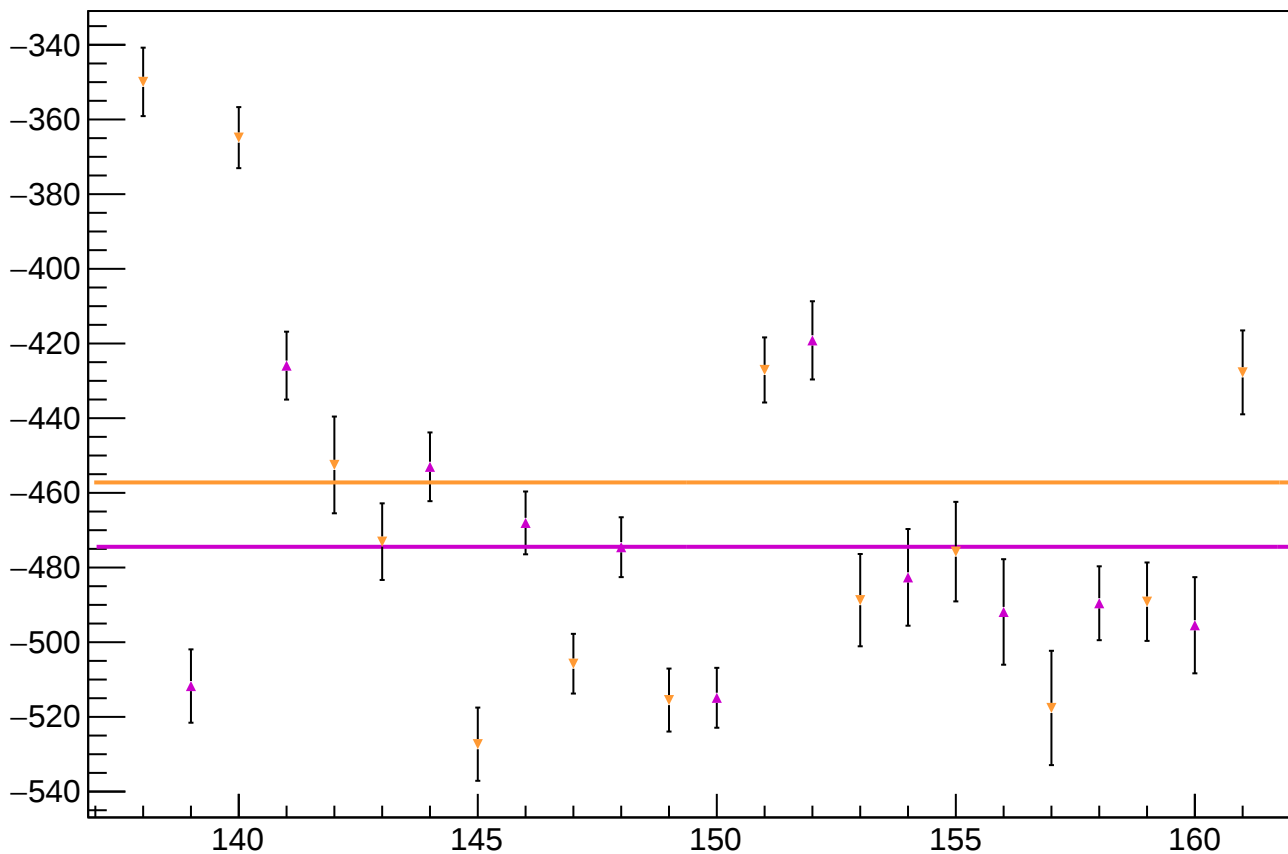
Right Out: -18.463 ± 0.057 χ^2/NDF : 80470.6/18

Left In: -21.347 ± 0.036 χ^2/NDF : 79332.2/10

-22.536 ± 0.030 χ^2/NDF : 172774.9/29

-20.549 ± 0.030 χ^2/NDF : 161629.6/29

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -457.207+/-2.784 χ^2/NDF : 454.9/12

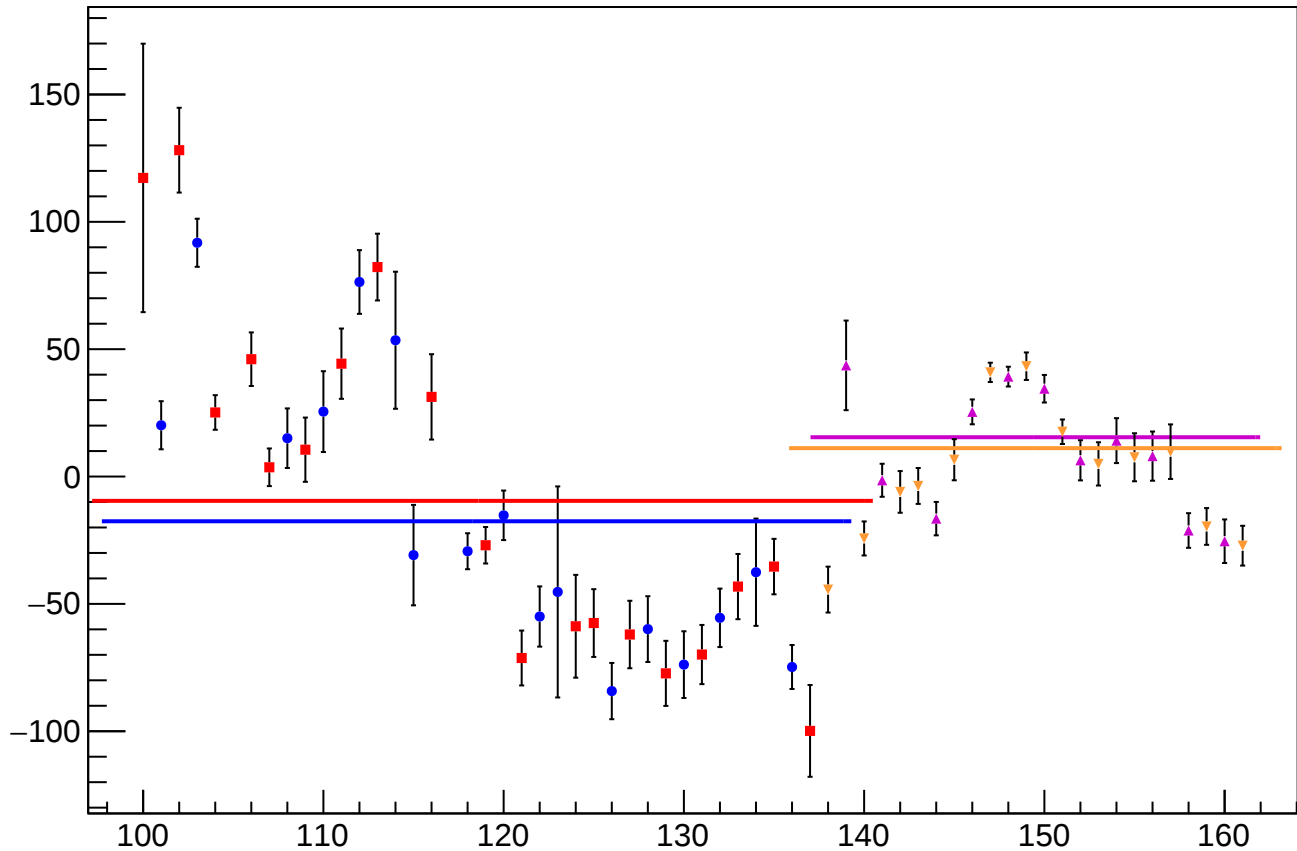
-457.207+/-2.784 χ^2/NDF : 454.9/12

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

-474.445+/-2.938 χ^2/NDF : 109.1/10

Left In: -474.445+/-2.938 χ^2/NDF : 109.1/10

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: 11.137 ± 1.820 $\chi^2/\text{NDF}: 217.2/12$

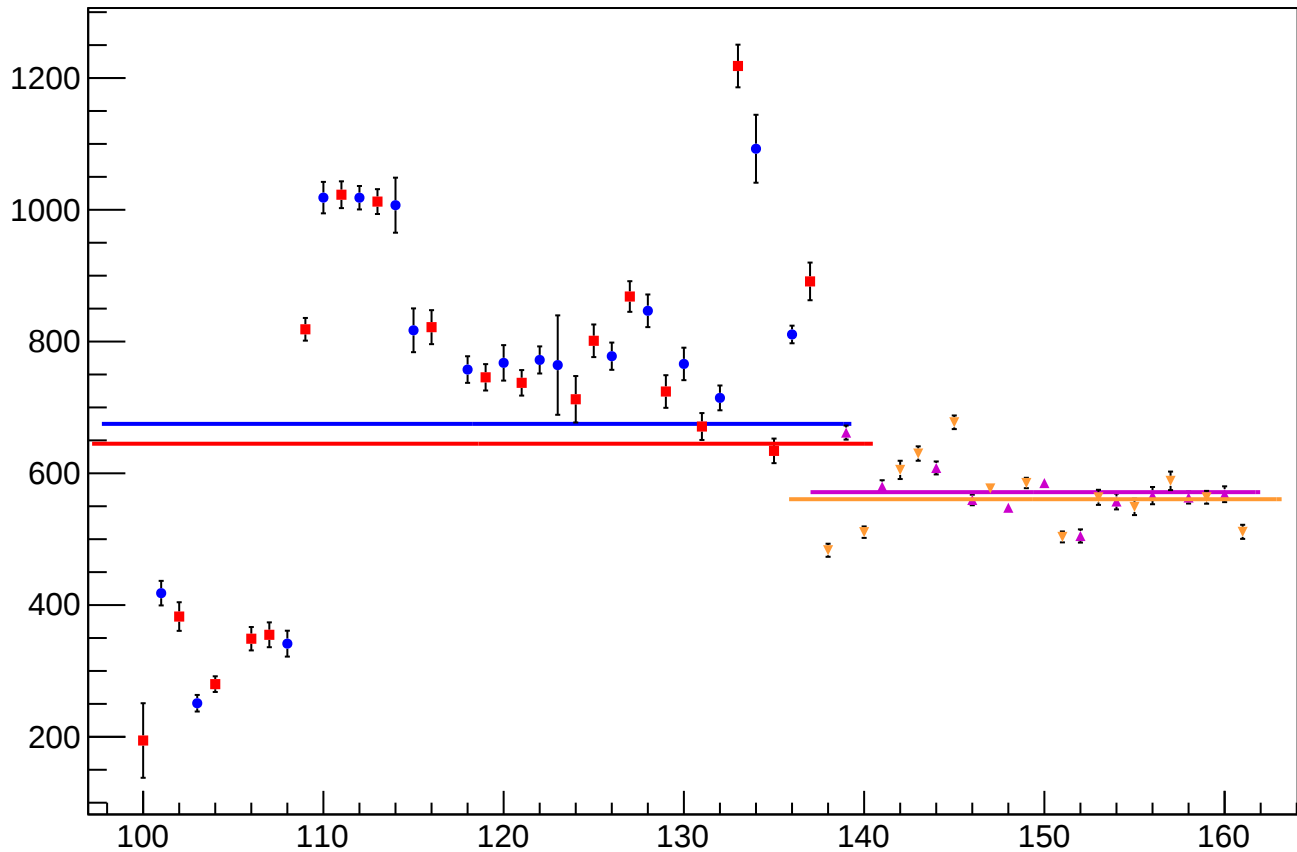
Right Out: -9.547 ± 2.609 $\chi^2/\text{NDF}: 370.3/18$

Left In: 15.433 ± 1.933 $\chi^2/\text{NDF}: 141.0/10$

2.696 ± 1.529 $\chi^2/\text{NDF}: 654.0/29$

6.582 ± 1.553 $\chi^2/\text{NDF}: 570.4/29$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 560.691 $\pm$ 2.741 χ^2 /NDF:360.1/12

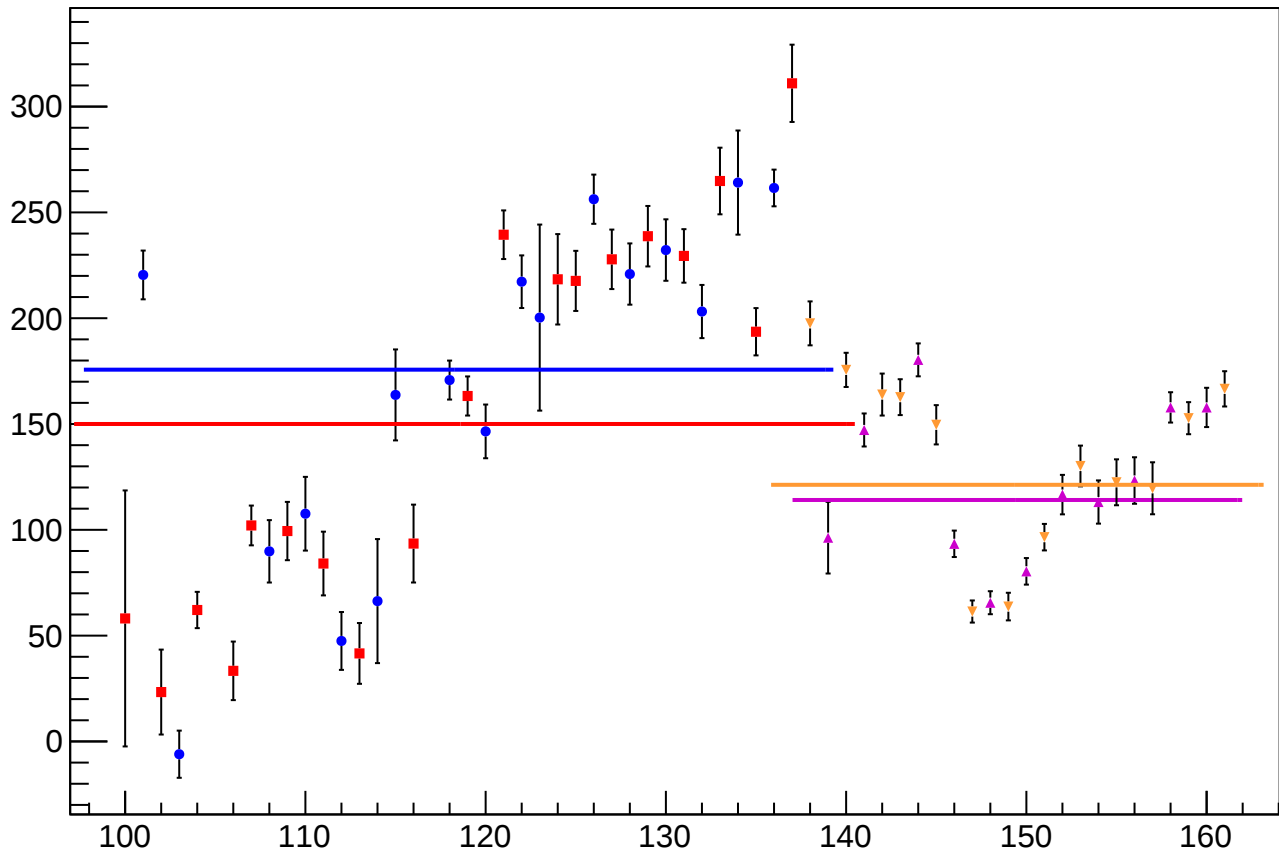
Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

Left In: 571.408 $\pm$ 2.858 χ^2 /NDF:148.7/10

586.572 $\pm$ 2.411 χ^2 /NDF: 3338.4/29

590.879 $\pm$ 2.450 χ^2 /NDF: 3446.0/29

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 121.273 ± 2.216 χ^2/NDF : 423.3/12

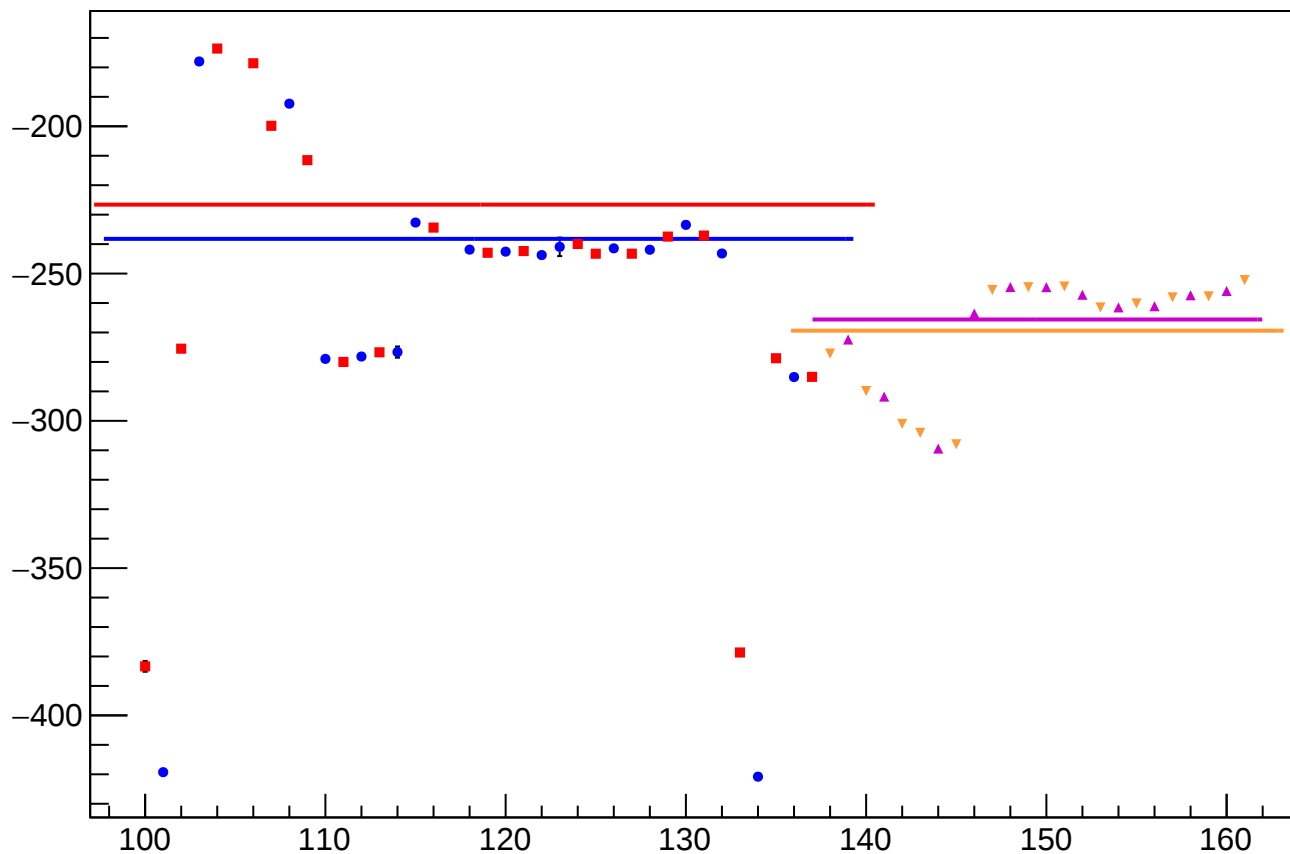
Right Out: 150.017 ± 3.042 χ^2/NDF : 693.8/18

Left In: 114.104 ± 2.346 χ^2/NDF : 271.5/10

138.627 ± 1.829 χ^2/NDF : 1253.5/29

127.494 ± 1.857 χ^2/NDF : 1052.6/29

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -269.381+/-0.110 χ^2/NDF : 31159.6/12

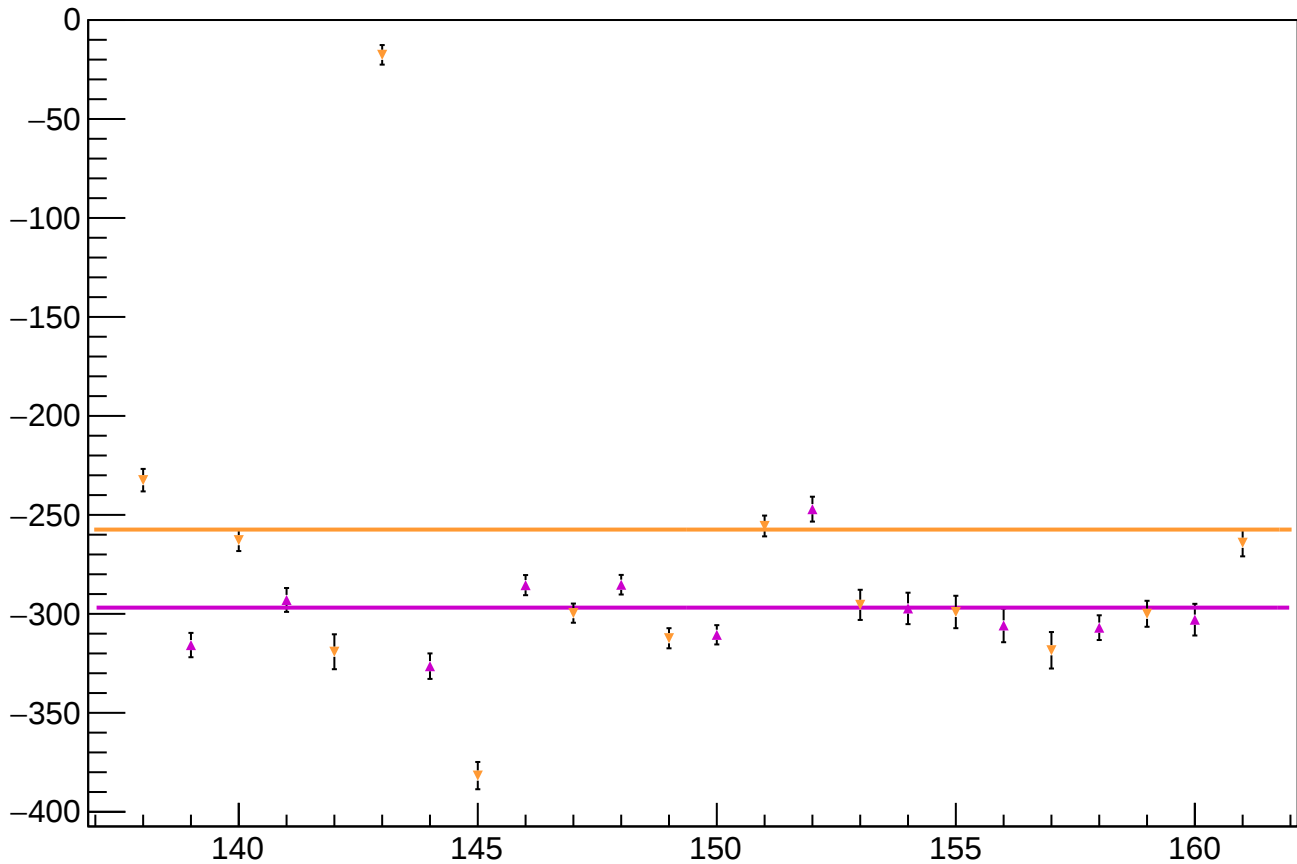
Right Out: -226.597+/-0.151 χ^2/NDF : 102562.3/18

Left In: -265.588+/-0.114 χ^2/NDF : 19322.9/10

-259.384+/-0.091 χ^2/NDF : 223900.6/29

-251.520+/-0.091 χ^2/NDF : 164377.2/29

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -257.418+/-1.703 χ^2/NDF : 3075.8/12

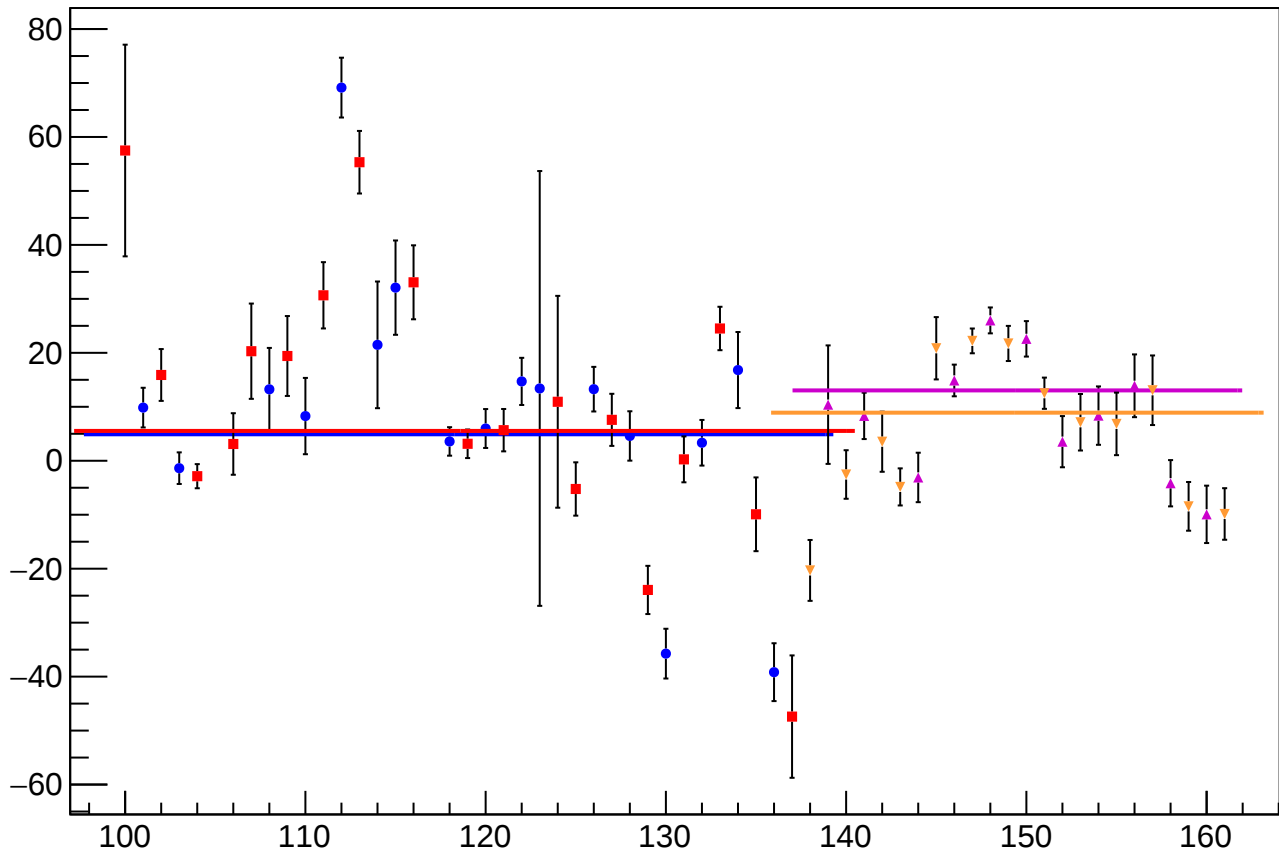
-257.418+/-1.703 χ^2/NDF : 3075.8/12

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

-296.852+/-1.839 χ^2/NDF : 116.3/10

Left In: -296.852+/-1.839 χ^2/NDF : 116.3/10

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: 8.911 ± 1.108 $\chi^2/\text{NDF}: 136.1/12$

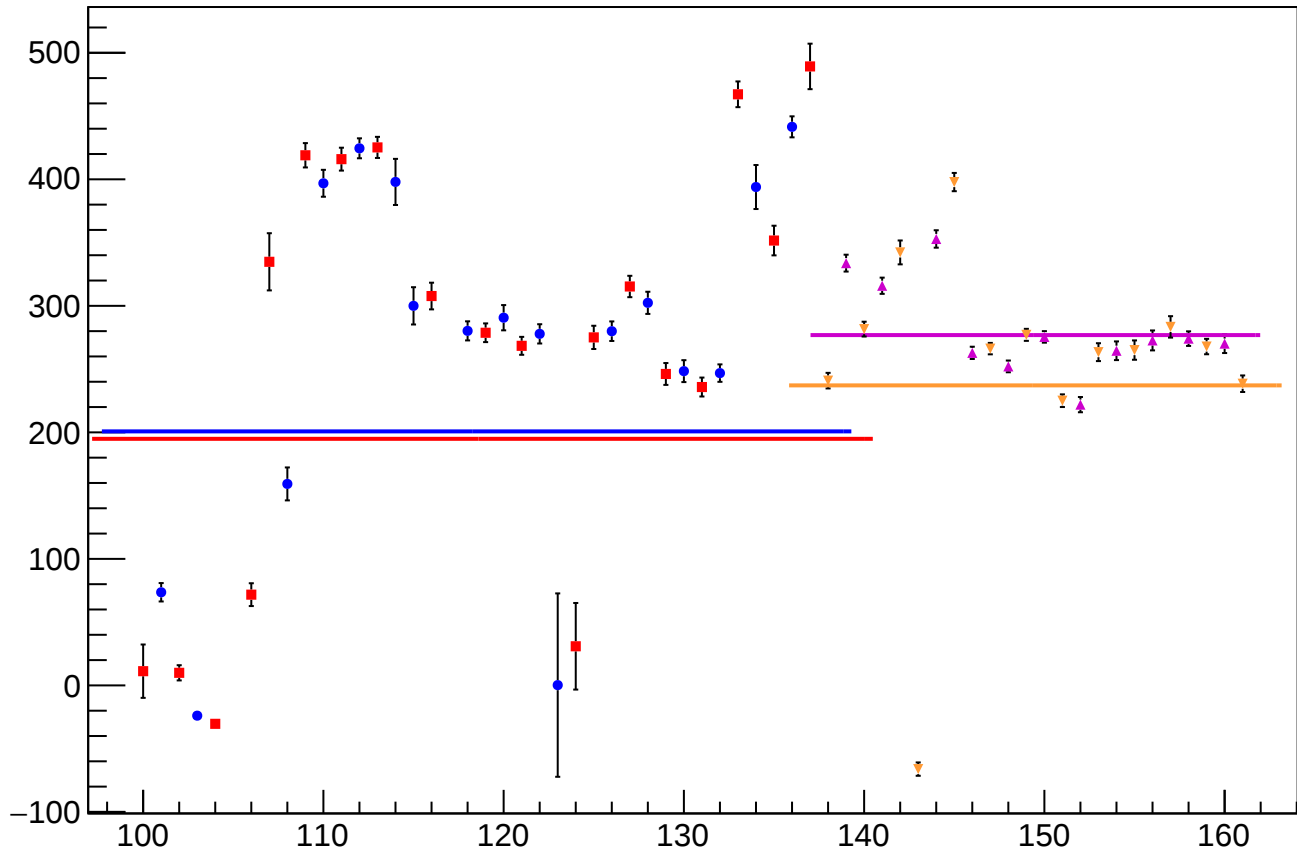
Right Out: 5.530 ± 1.069 $\chi^2/\text{NDF}: 238.9/18$

Left In: 13.037 ± 1.204 $\chi^2/\text{NDF}: 91.2/10$

6.903 ± 0.783 $\chi^2/\text{NDF}: 454.3/29$

8.838 ± 0.799 $\chi^2/\text{NDF}: 351.9/29$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 237.131 $\pm$ 1.675 χ^2 /NDF: 4176.6/12

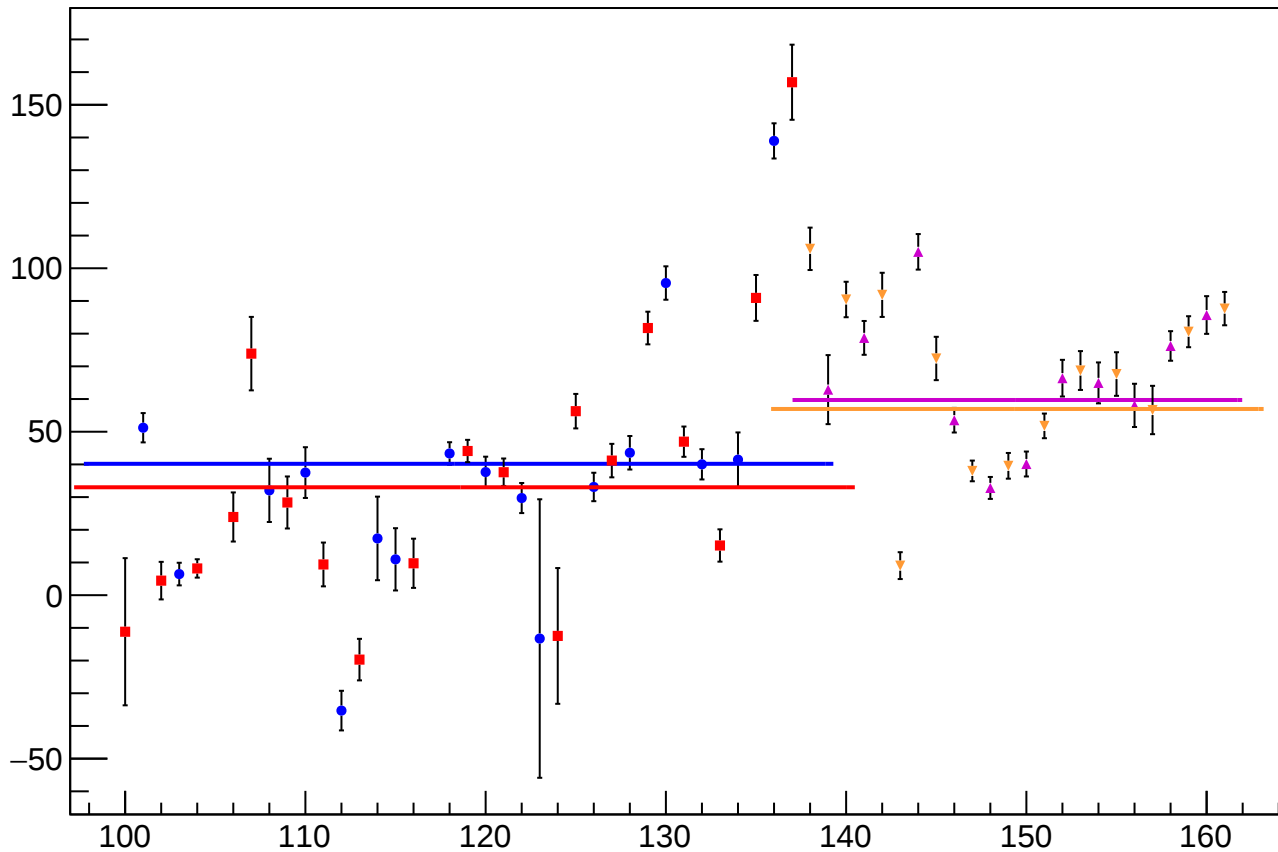
Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

Left In: 276.887 $\pm$ 1.782 χ^2 /NDF: 355.8/10

221.993 $\pm$ 1.280 χ^2 /NDF: 11105.7/29

239.028 $\pm$ 1.307 χ^2 /NDF: 9580.7/29

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 $\chi^2/\text{NDF}: 734.6/16$

Left Out: 56.962 ± 1.350 $\chi^2/\text{NDF}: 388.2/12$

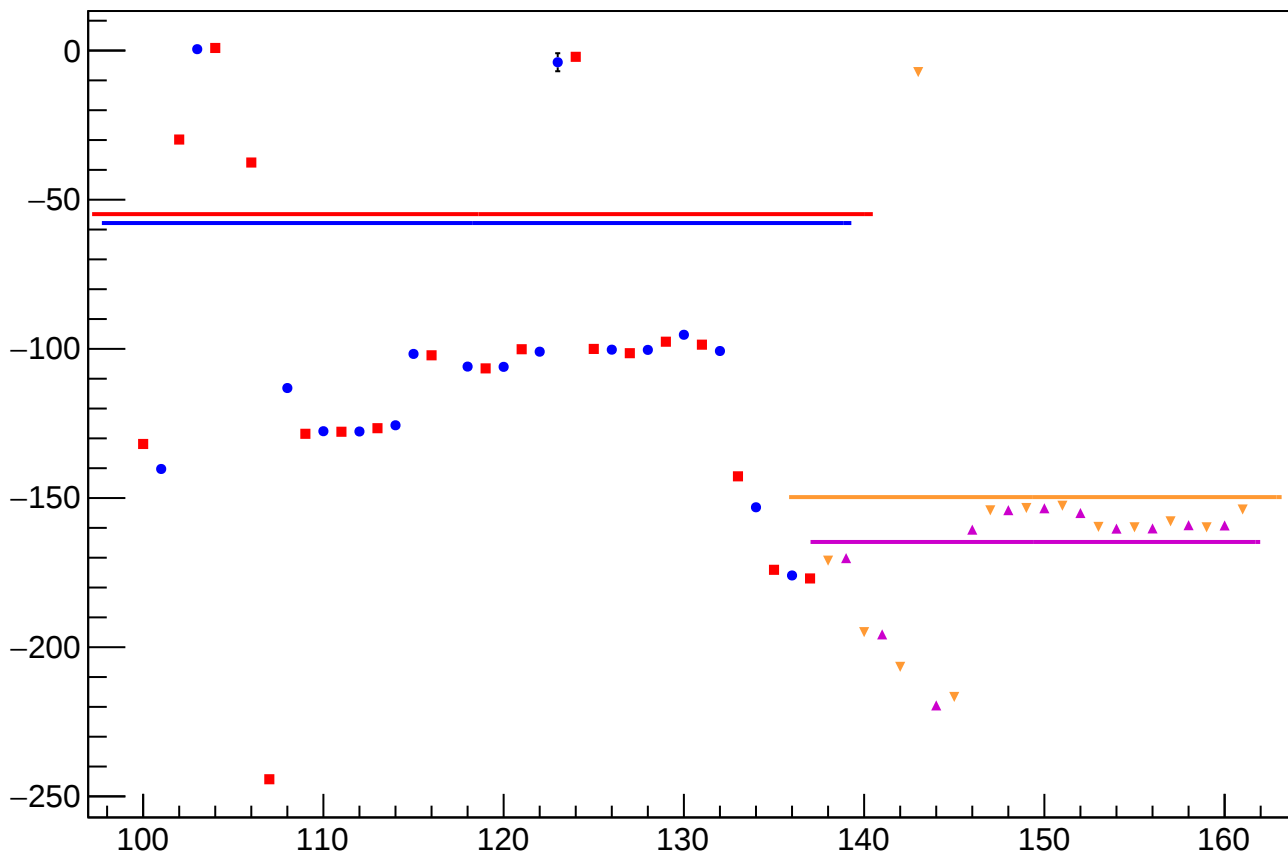
Right Out: 33.006 ± 1.250 $\chi^2/\text{NDF}: 552.7/18$

Left In: 59.707 ± 1.463 $\chi^2/\text{NDF}: 212.1/10$

48.146 ± 0.930 $\chi^2/\text{NDF}: 1203.9/29$

44.276 ± 0.951 $\chi^2/\text{NDF}: 957.2/29$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -149.685 ± 0.067 $\chi^2/\text{NDF}: 578891.2/12$

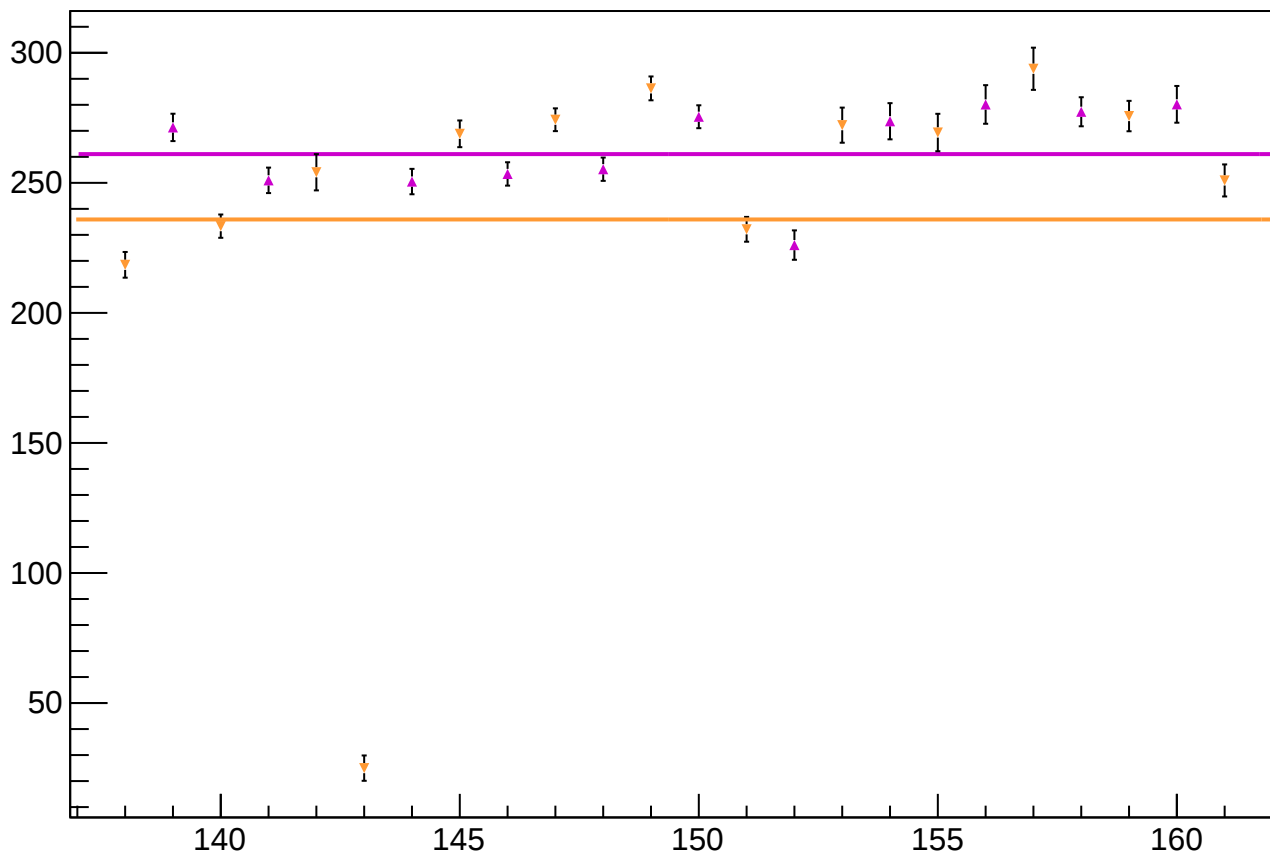
Right Out: -54.833 ± 0.060 $\chi^2/\text{NDF}: 1000741.7/18$

Left In: -164.722 ± 0.071 $\chi^2/\text{NDF}: 57717.6/10$

-99.802 ± 0.046 $\chi^2/\text{NDF}: 2690341.1/29$

-100.999 ± 0.046 $\chi^2/\text{NDF}: 2456792.3/29$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 235.923+/-1.495 χ^2/NDF : 2288.6/12

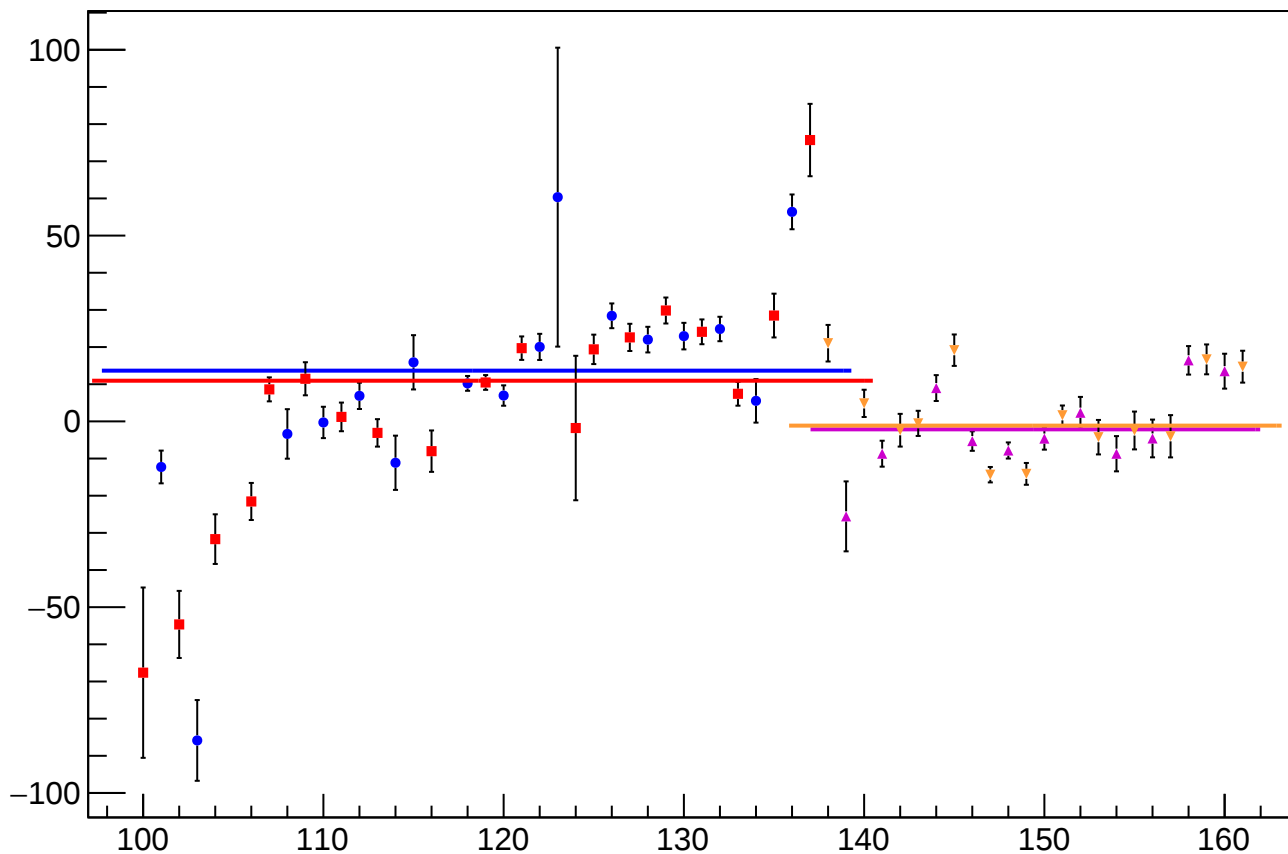
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 261.051+/-1.595 χ^2/NDF : 92.0/10

235.923+/-1.495 χ^2/NDF : 2288.6/12

261.051+/-1.595 χ^2/NDF : 92.0/10

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652+/-0.936 χ^2/NDF : 294.0/16

Left Out: -1.141+/-0.983 χ^2/NDF : 141.3/12

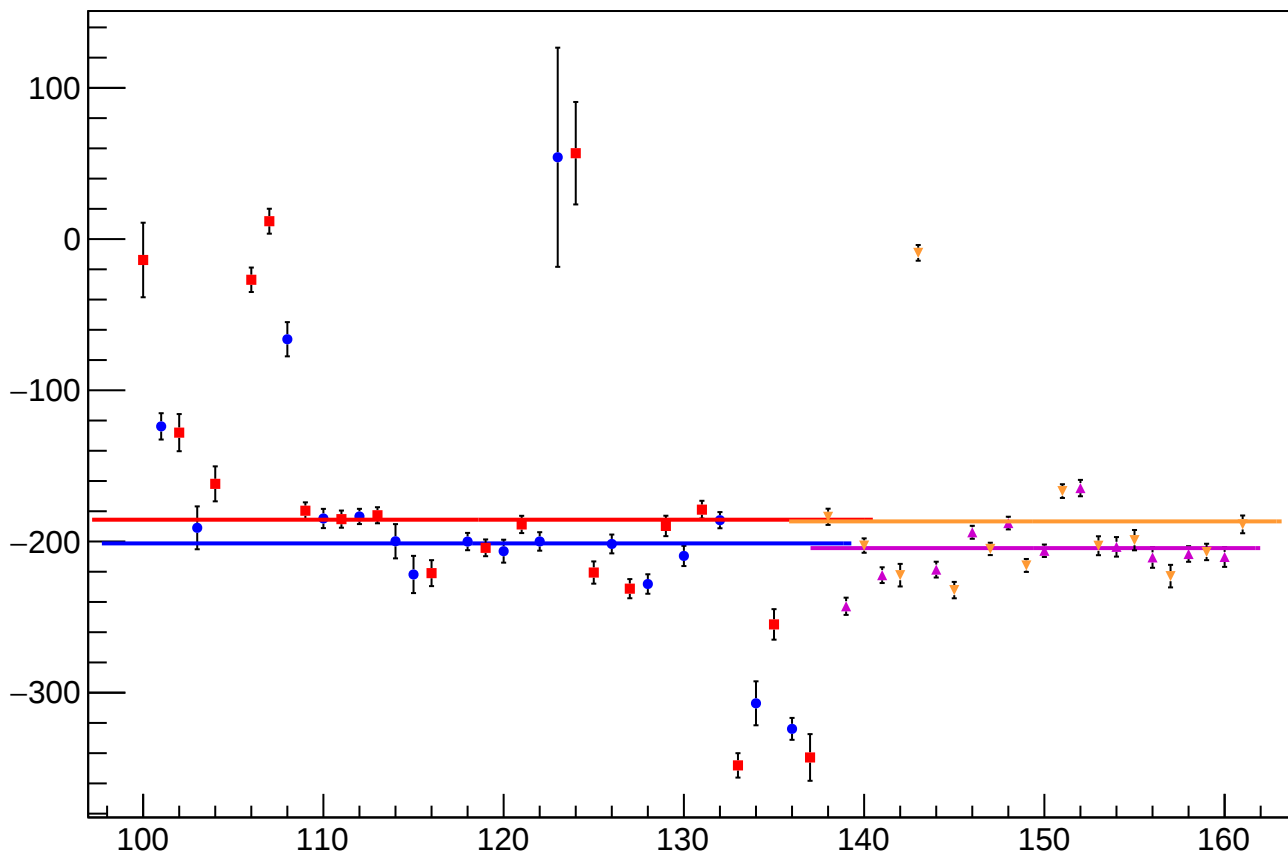
Right Out: 10.944+/-0.913 χ^2/NDF : 302.5/18

Left In: -2.147+/-1.055 χ^2/NDF : 66.7/10

6.617+/-0.678 χ^2/NDF : 554.1/29

5.337+/-0.690 χ^2/NDF : 457.3/29

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266+/-1.795 χ^2/NDF : 623.4/16

Left Out: -186.711+/-1.476 χ^2/NDF : 1404.5/12

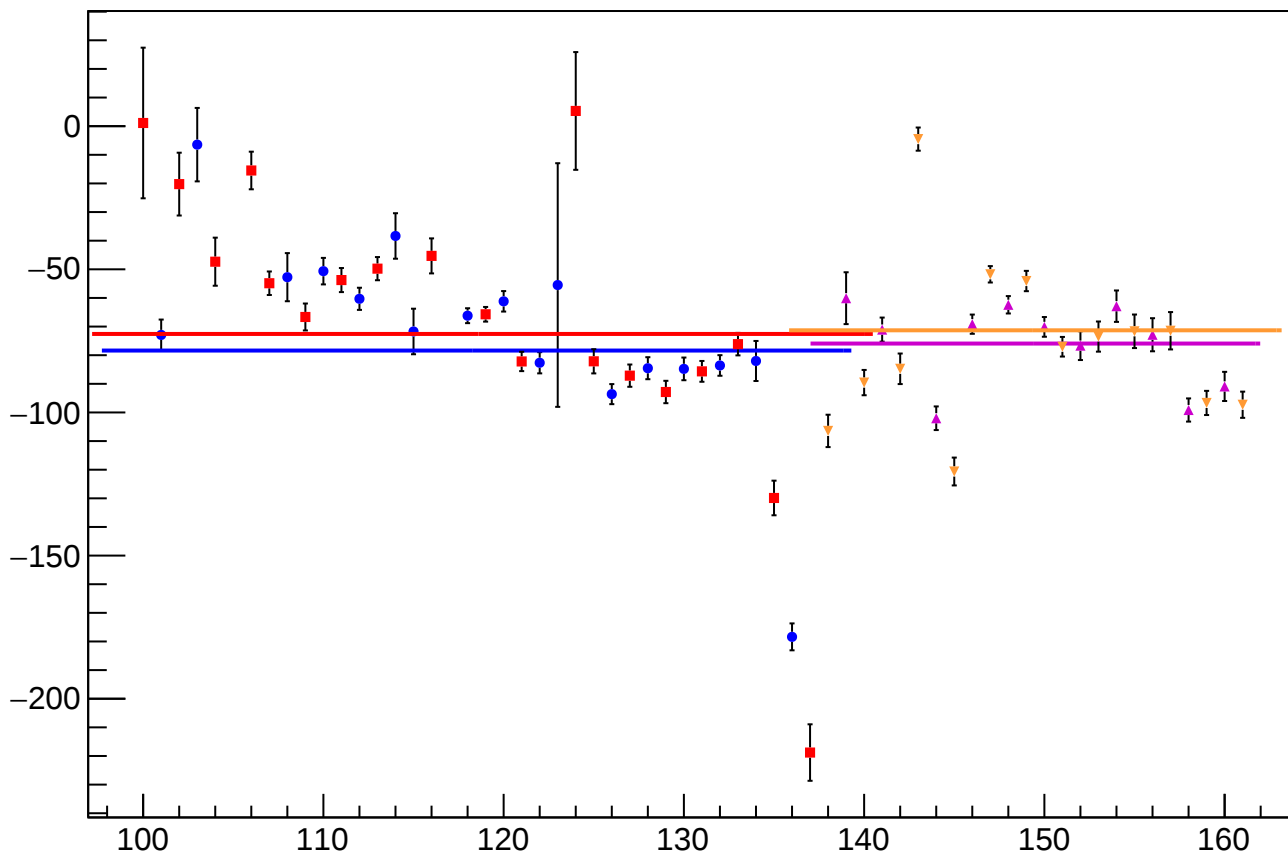
Right Out: -185.593+/-1.699 χ^2/NDF : 1746.0/18

Left In: -204.377+/-1.554 χ^2/NDF : 142.4/10

-192.580+/-1.140 χ^2/NDF : 2067.1/29

-195.823+/-1.147 χ^2/NDF : 1955.0/29

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 $\chi^2/\text{NDF}: 651.4/16$

Left Out: -71.307 ± 1.195 $\chi^2/\text{NDF}: 579.1/12$

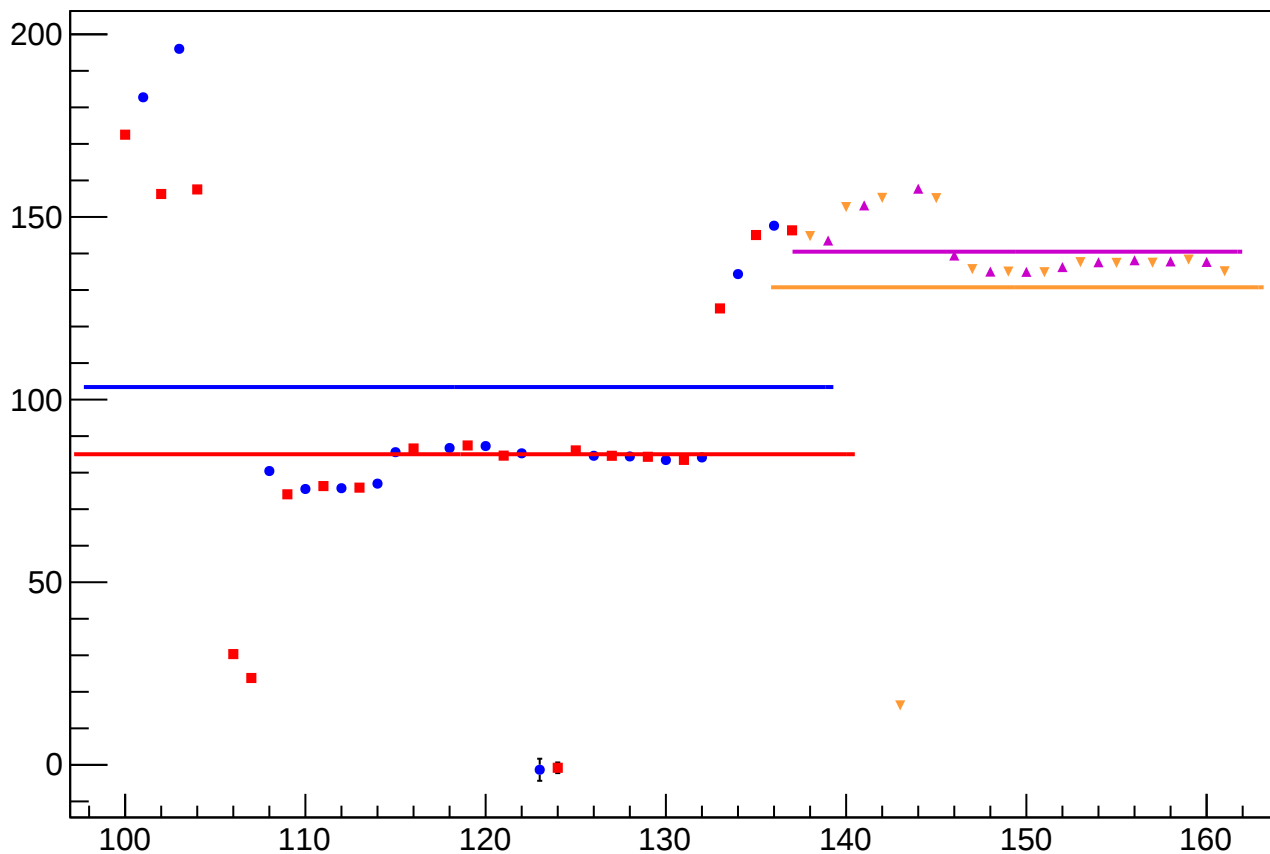
Right Out: -72.577 ± 1.052 $\chi^2/\text{NDF}: 605.8/18$

Left In: -75.932 ± 1.279 $\chi^2/\text{NDF}: 118.7/10$

-75.194 ± 0.802 $\chi^2/\text{NDF}: 1249.7/29$

-73.930 ± 0.812 $\chi^2/\text{NDF}: 728.6/29$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2/NDF : 272785.6/16

Left Out: 130.746 $\pm$ 0.059 χ^2/NDF : 344326.1/12

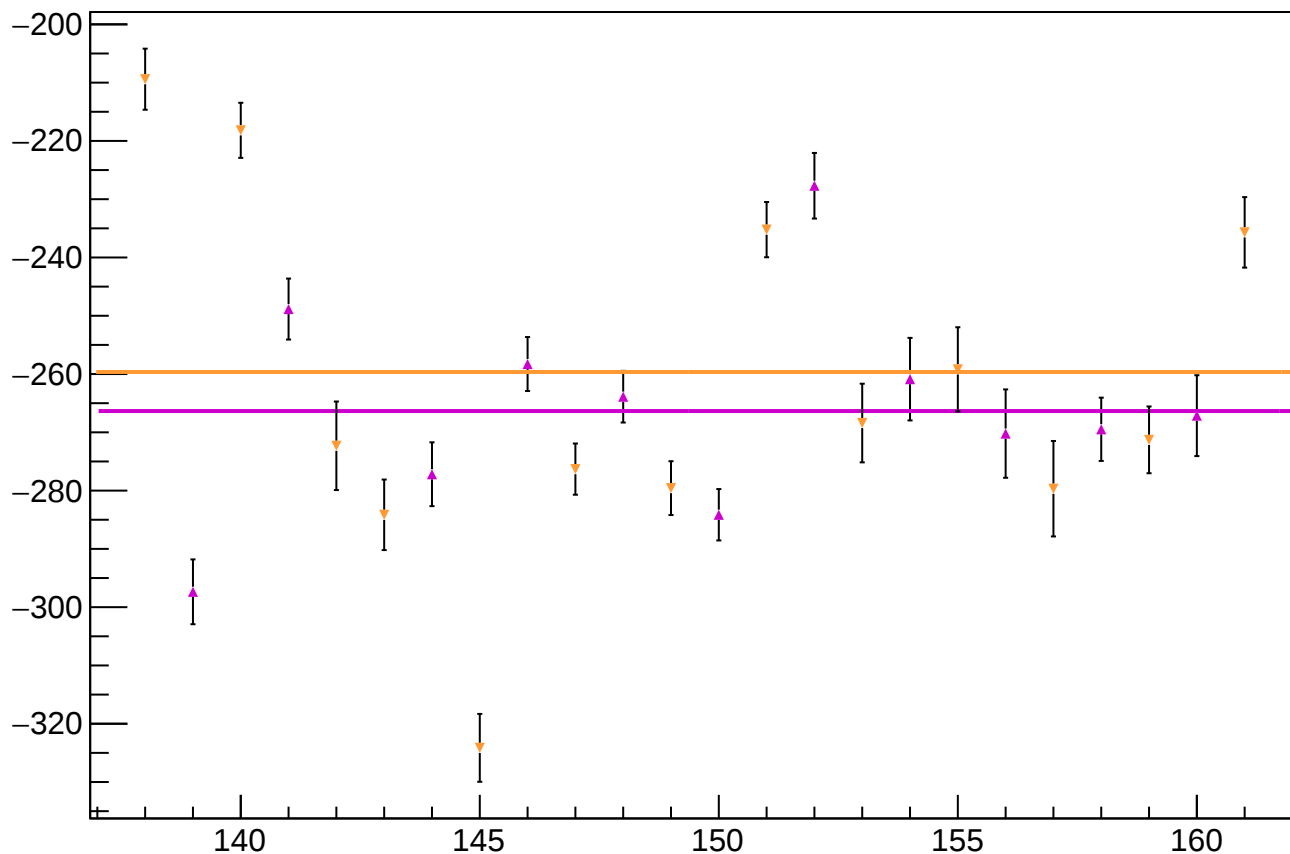
Right Out: 85.043 $\pm$ 0.064 χ^2/NDF : 422343.0/18

Left In: 140.491 $\pm$ 0.062 χ^2/NDF : 12502.7/10

119.507 $\pm$ 0.045 χ^2/NDF : 704474.6/29

113.649 $\pm$ 0.044 χ^2/NDF : 825264.2/29

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -259.645+/-1.557 χ^2/NDF : 397.8/12

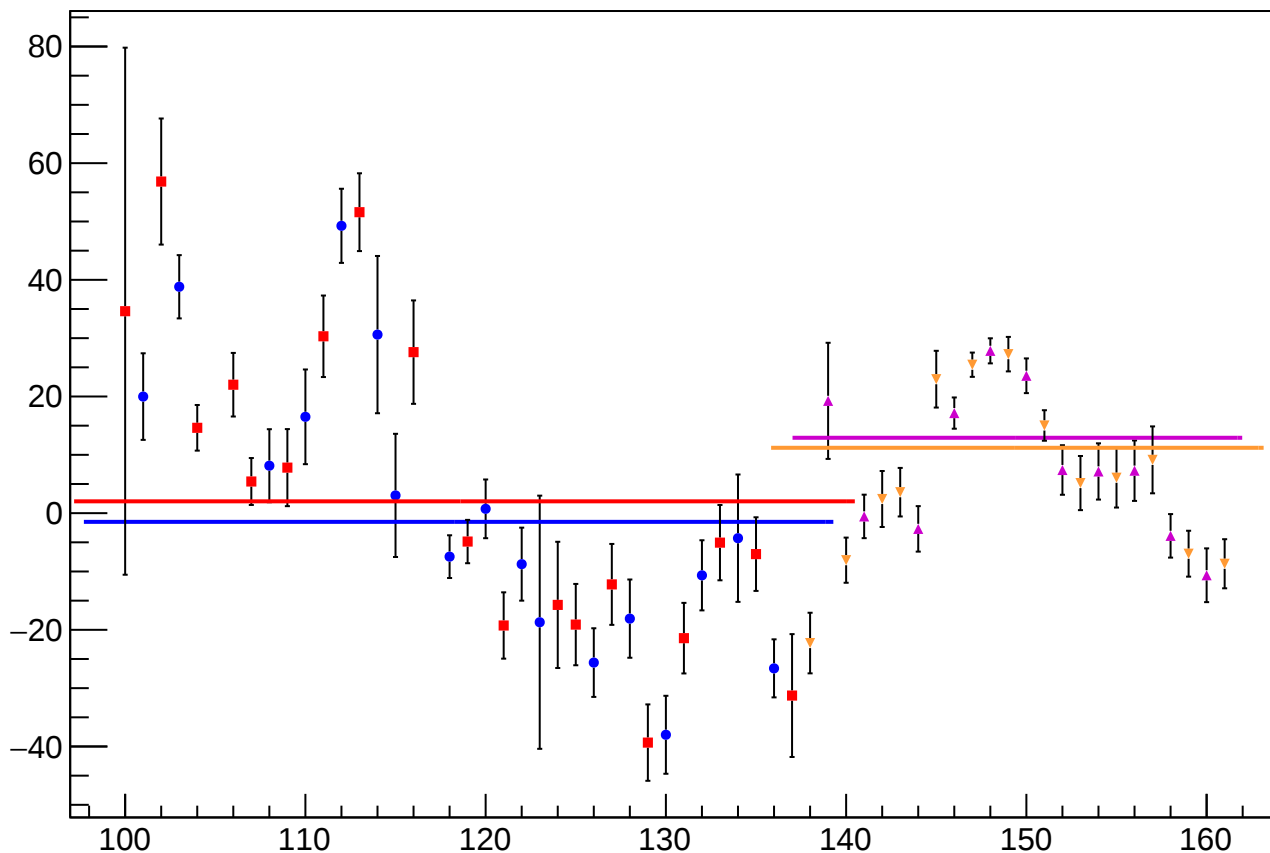
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -266.348+/-1.633 χ^2/NDF : 114.2/10

-259.645+/-1.557 χ^2/NDF : 397.8/12

-266.348+/-1.633 χ^2/NDF : 114.2/10

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490+/-1.536 χ^2/NDF : 226.0/16

Left Out: 11.207+/-1.013 χ^2/NDF : 203.7/12

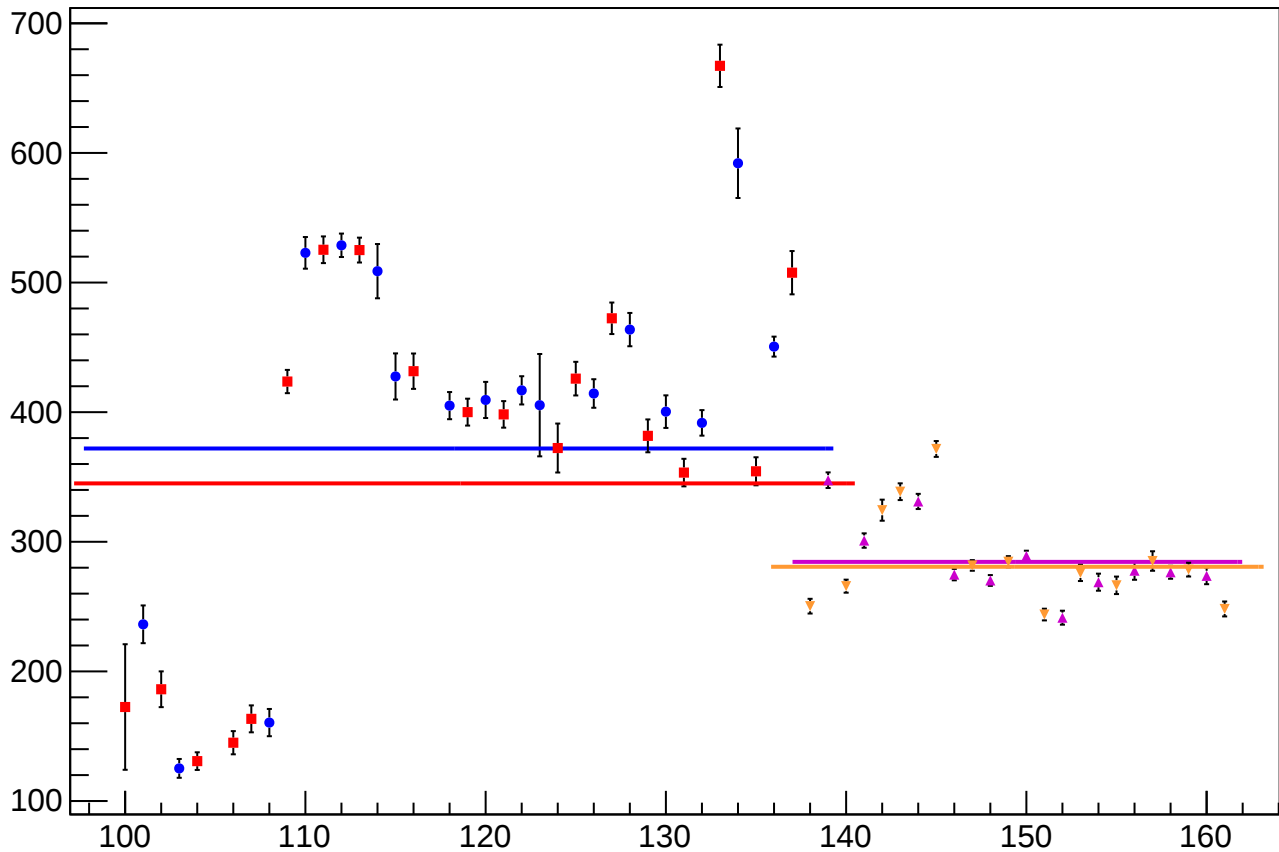
Right Out: 2.028+/-1.400 χ^2/NDF : 233.3/18

Left In: 12.924+/-1.071 χ^2/NDF : 143.6/10

7.360+/-0.846 χ^2/NDF : 477.3/29

8.898+/-0.851 χ^2/NDF : 415.1/29

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 $\pm$ 2.778 χ^2/NDF : 2432.6/16

Left Out: 280.723 $\pm$ 1.526 χ^2/NDF : 473.0/12

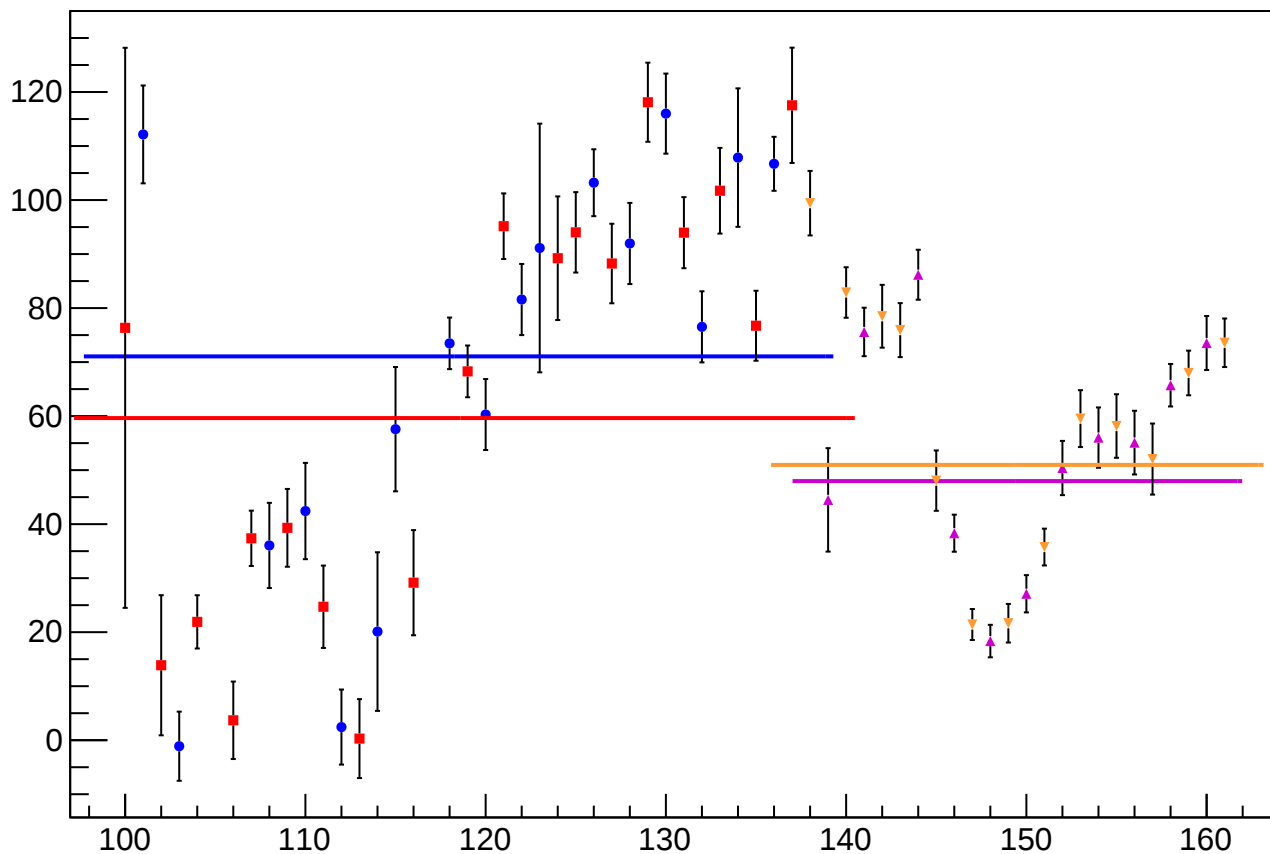
Right Out: 345.043 $\pm$ 2.562 χ^2/NDF : 3415.2/18

Left In: 284.500 $\pm$ 1.584 χ^2/NDF : 275.2/10

301.889 $\pm$ 1.338 χ^2/NDF : 3734.5/29

301.245 $\pm$ 1.347 χ^2/NDF : 4094.3/29

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056+/-1.764 χ^2/NDF : 426.2/16

Left Out: 50.970+/-1.233 χ^2/NDF : 399.7/12

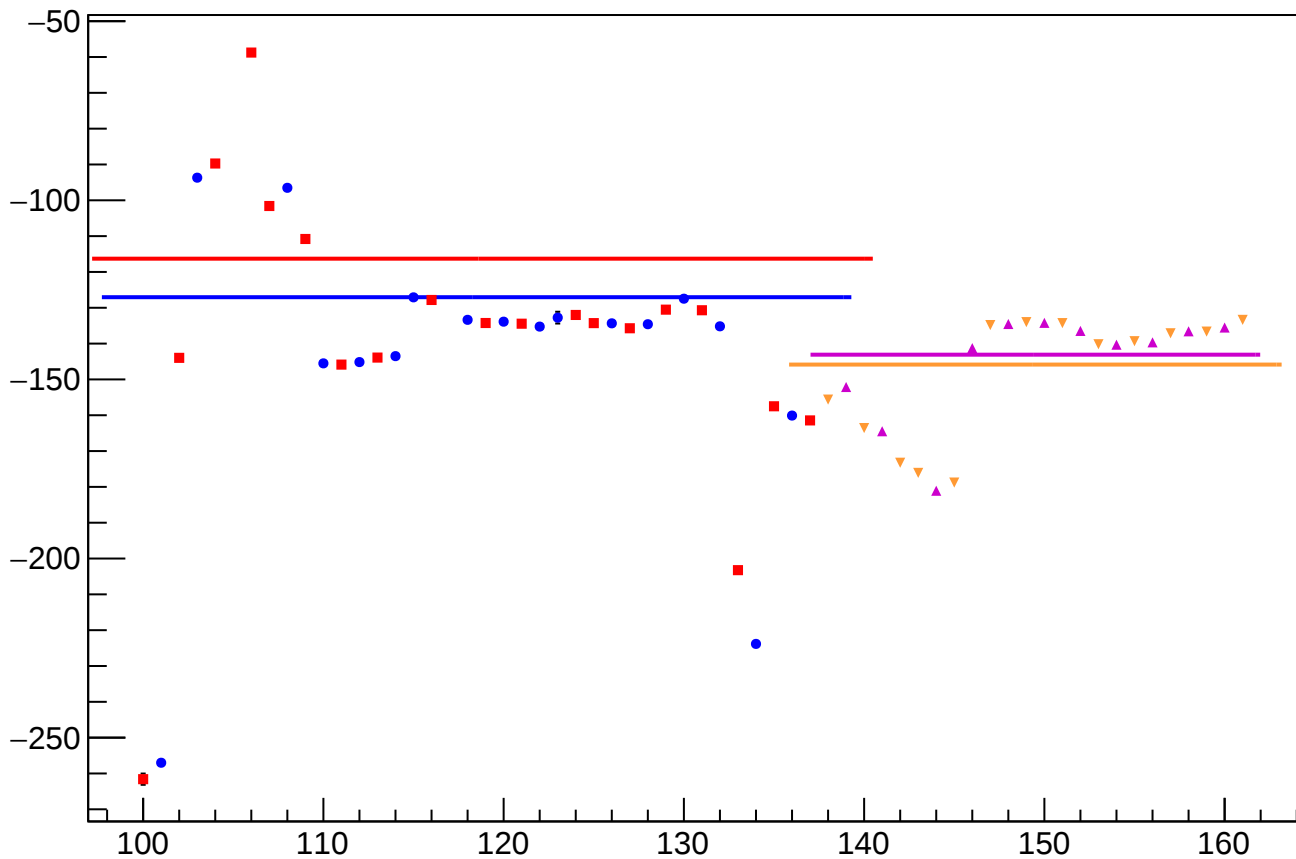
Right Out: 59.637+/-1.631 χ^2/NDF : 491.6/18

Left In: 47.971+/-1.300 χ^2/NDF : 297.9/10

57.565+/-1.011 χ^2/NDF : 913.0/29

52.502+/-1.017 χ^2/NDF : 820.9/29

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -145.857+/-0.061 χ^2/NDF : 66664.4/12

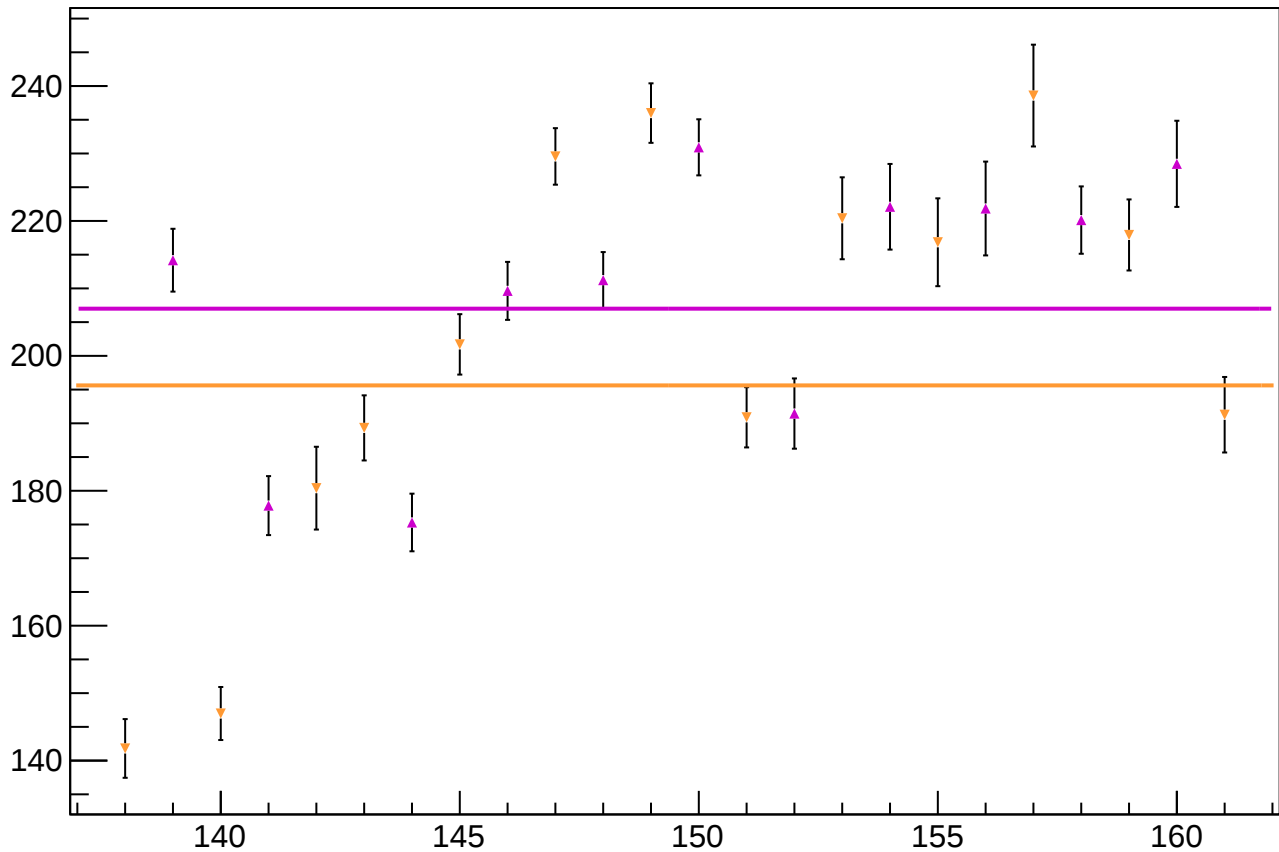
Right Out: -116.295+/-0.083 χ^2/NDF : 167109.1/18

Left In: -143.095+/-0.063 χ^2/NDF : 41436.7/10

-139.874+/-0.051 χ^2/NDF : 263605.5/29

-133.321+/-0.050 χ^2/NDF : 274805.9/29

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 195.621+/-1.372 χ^2/NDF : 544.5/12

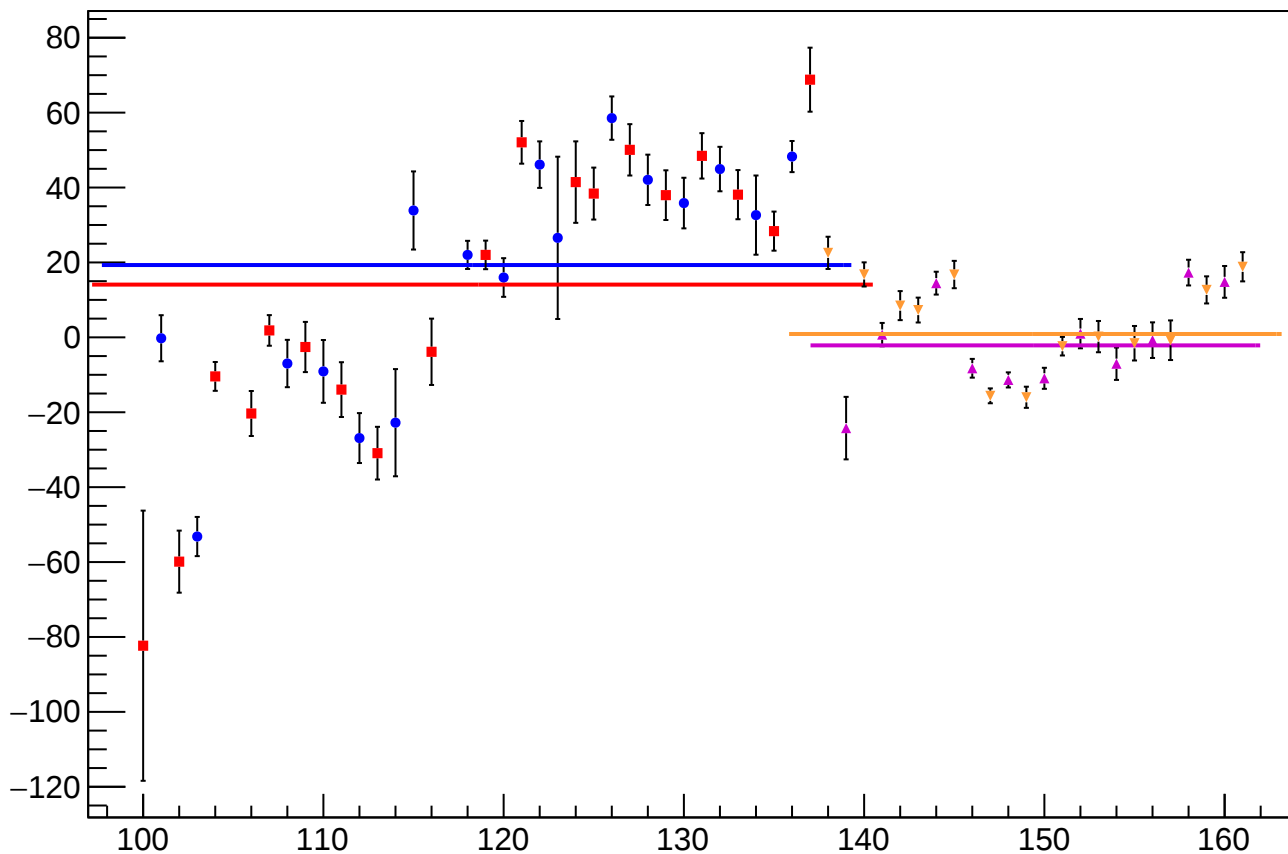
195.621+/-1.372 χ^2/NDF : 544.5/12

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

206.995+/-1.459 χ^2/NDF : 173.9/10

Left In: 206.995+/-1.459 χ^2/NDF : 173.9/10

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 0.895 ± 0.910 χ^2/NDF : 215.0/12

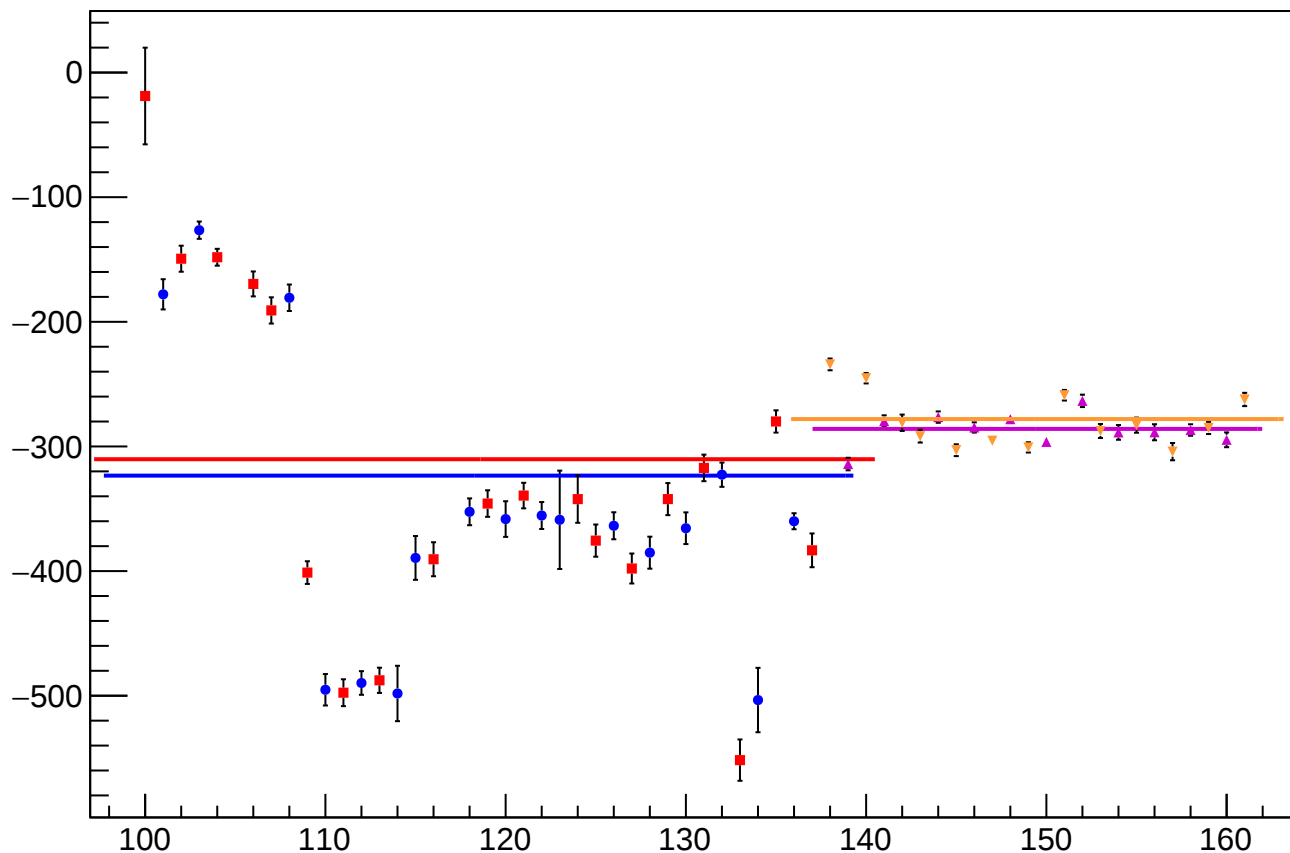
Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

Left In: -2.145 ± 0.971 χ^2/NDF : 124.3/10

5.849 ± 0.778 χ^2/NDF : 766.4/29

3.180 ± 0.796 χ^2/NDF : 652.8/29

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -278.006 ± 1.357 $\chi^2/\text{NDF}: 281.6/12$

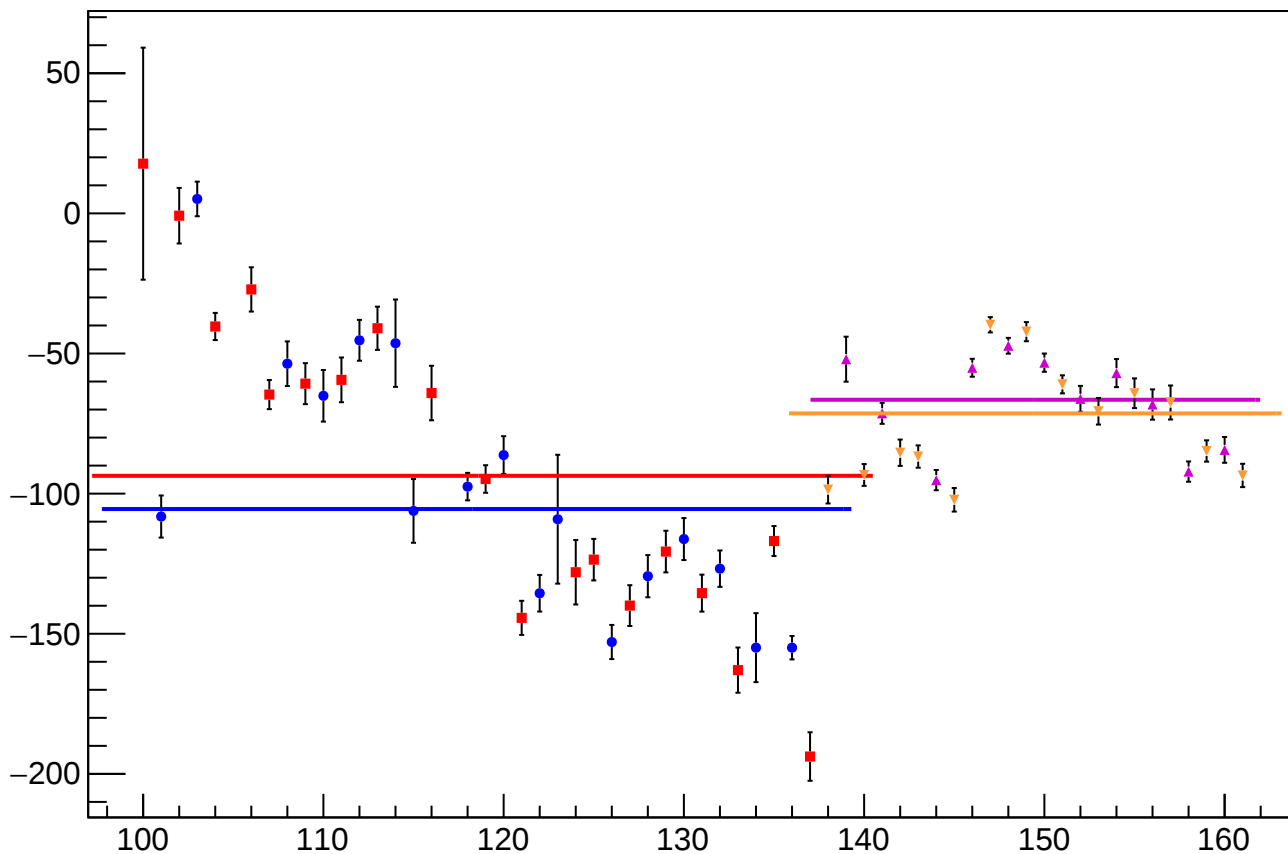
Right Out: -310.236 ± 2.523 $\chi^2/\text{NDF}: 2298.8/18$

Left In: -285.924 ± 1.424 $\chi^2/\text{NDF}: 71.5/10$

-287.249 ± 1.211 $\chi^2/\text{NDF}: 2359.0/29$

-291.797 ± 1.240 $\chi^2/\text{NDF}: 2440.8/29$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -71.373 ± 1.103 χ^2/NDF : 399.5/12

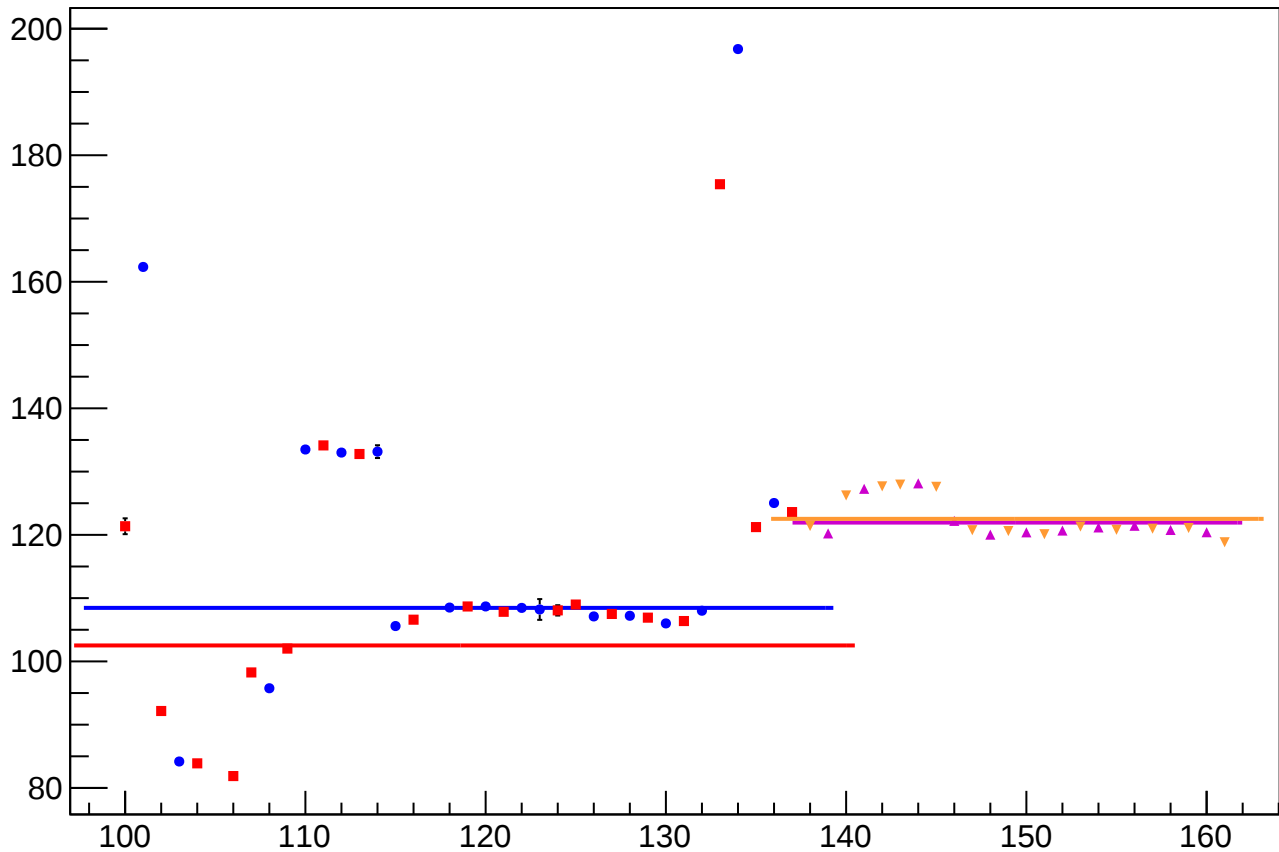
Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

Left In: -66.501 ± 1.175 χ^2/NDF : 212.7/10

-81.388 ± 0.927 χ^2/NDF : 1417.5/29

-75.925 ± 0.949 χ^2/NDF : 1225.2/29

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460+/-0.085 χ^2/NDF : 73301.9/16

Left Out: 122.532+/-0.054 χ^2/NDF : 3193.4/12

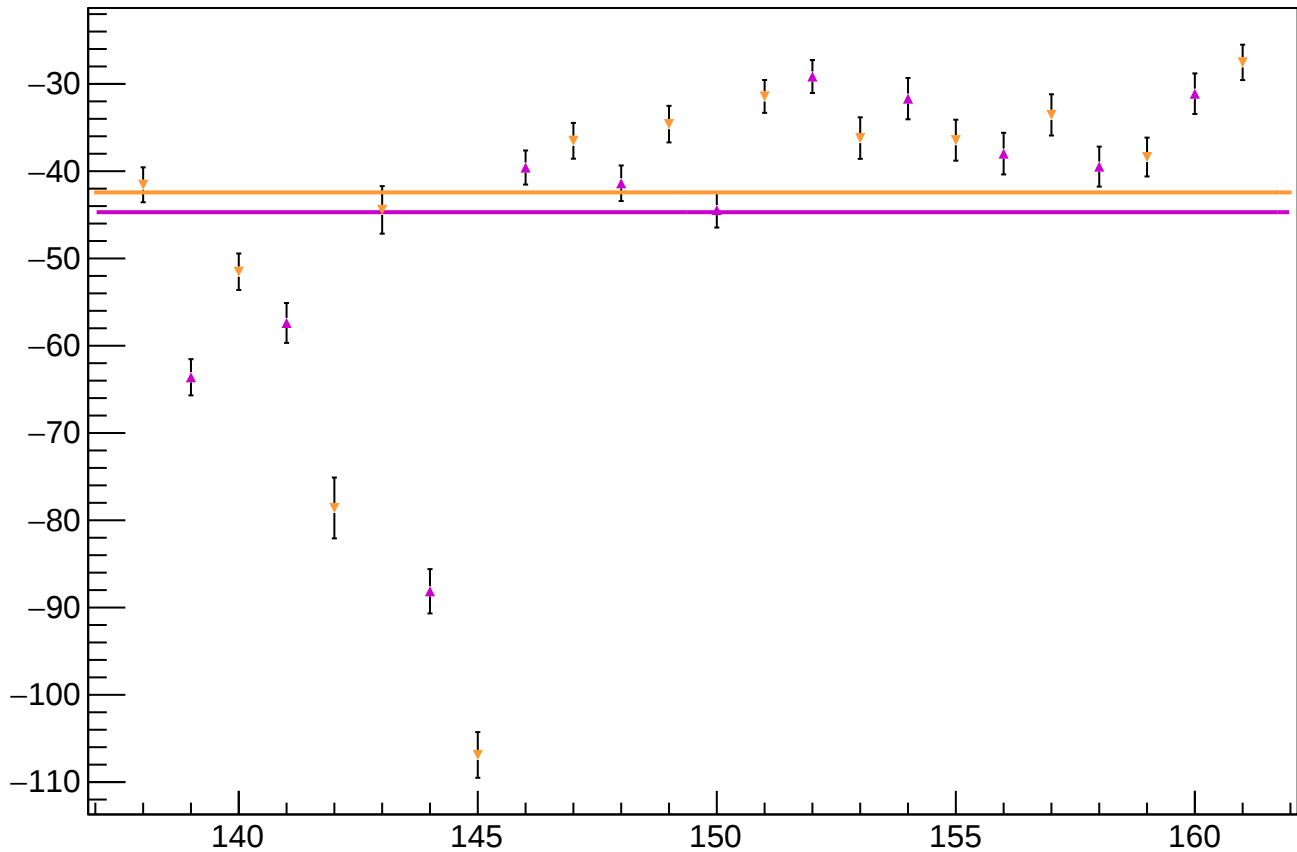
Right Out: 102.521+/-0.080 χ^2/NDF : 52992.1/18

Left In: 121.940+/-0.056 χ^2/NDF : 2242.8/10

118.445+/-0.046 χ^2/NDF : 95942.9/29

115.434+/-0.046 χ^2/NDF : 94861.5/29

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -42.429+/-0.623 χ^2/NDF : 874.2/12

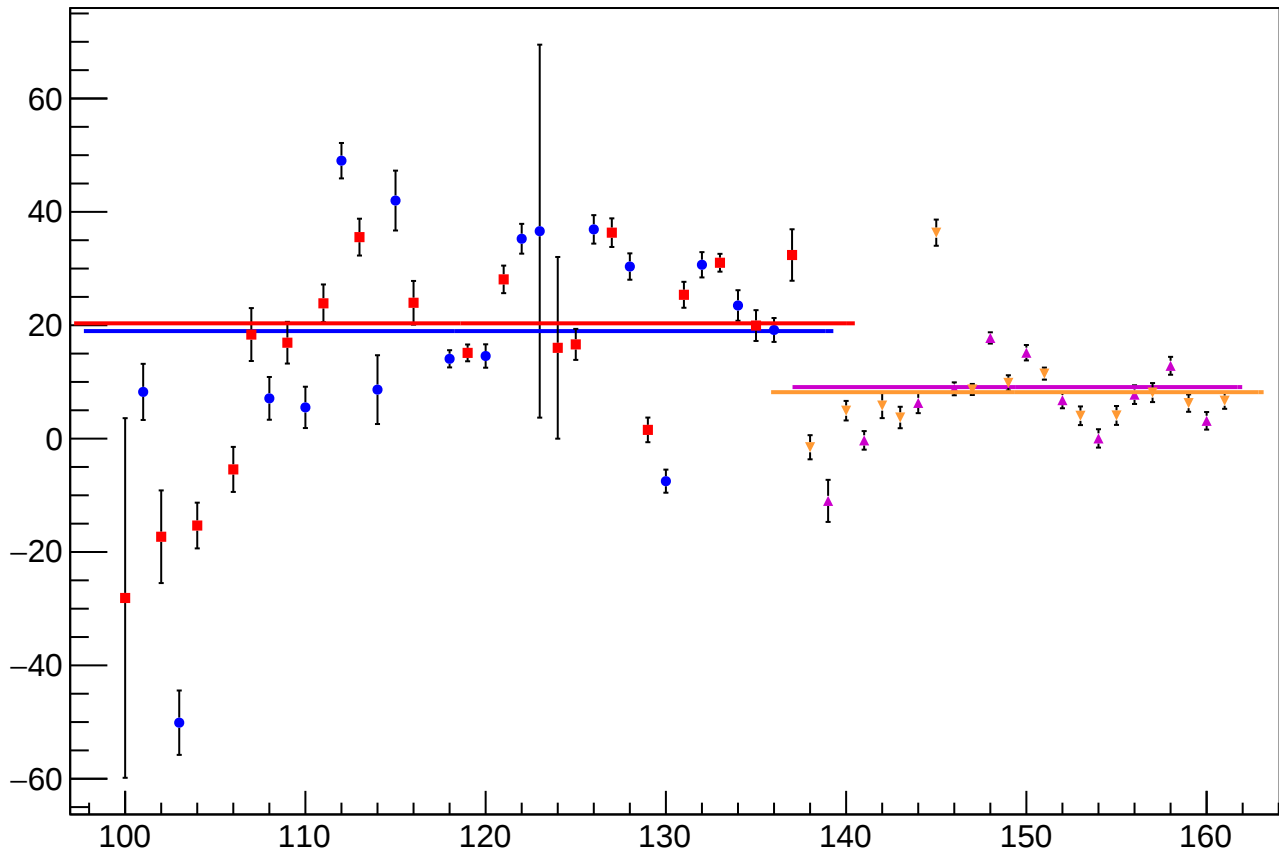
-42.429+/-0.623 χ^2/NDF : 874.2/12

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

Left In: -44.700+/-0.654 χ^2/NDF : 561.2/10

-44.700+/-0.654 χ^2/NDF : 561.2/10

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 8.194 ± 0.418 χ^2/NDF : 205.7/12

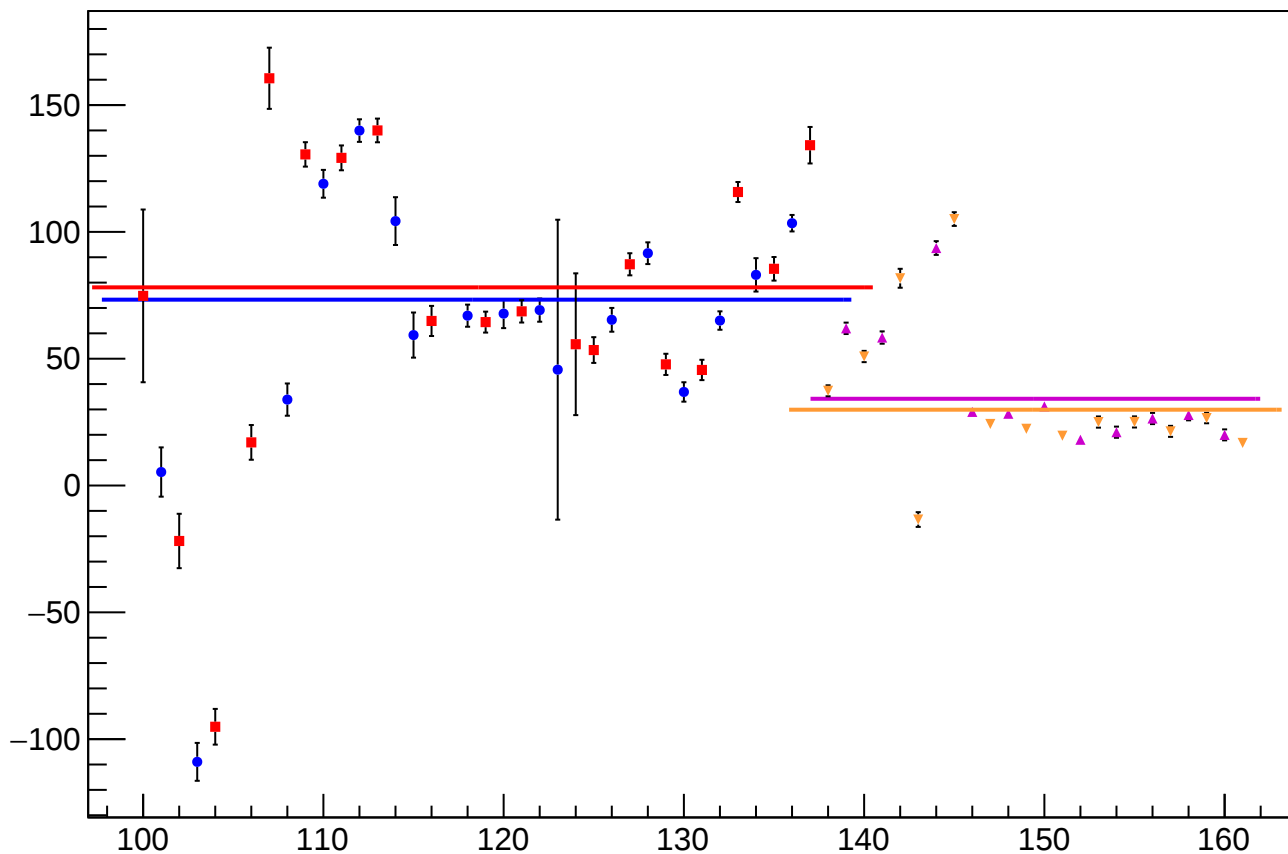
Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

Left In: 9.092 ± 0.442 χ^2/NDF : 215.7/10

11.330 ± 0.352 χ^2/NDF : 1017.2/29

12.701 ± 0.364 χ^2/NDF : 790.3/29

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 29.893 $\pm$ 0.608 χ^2 /NDF:1417.5/12

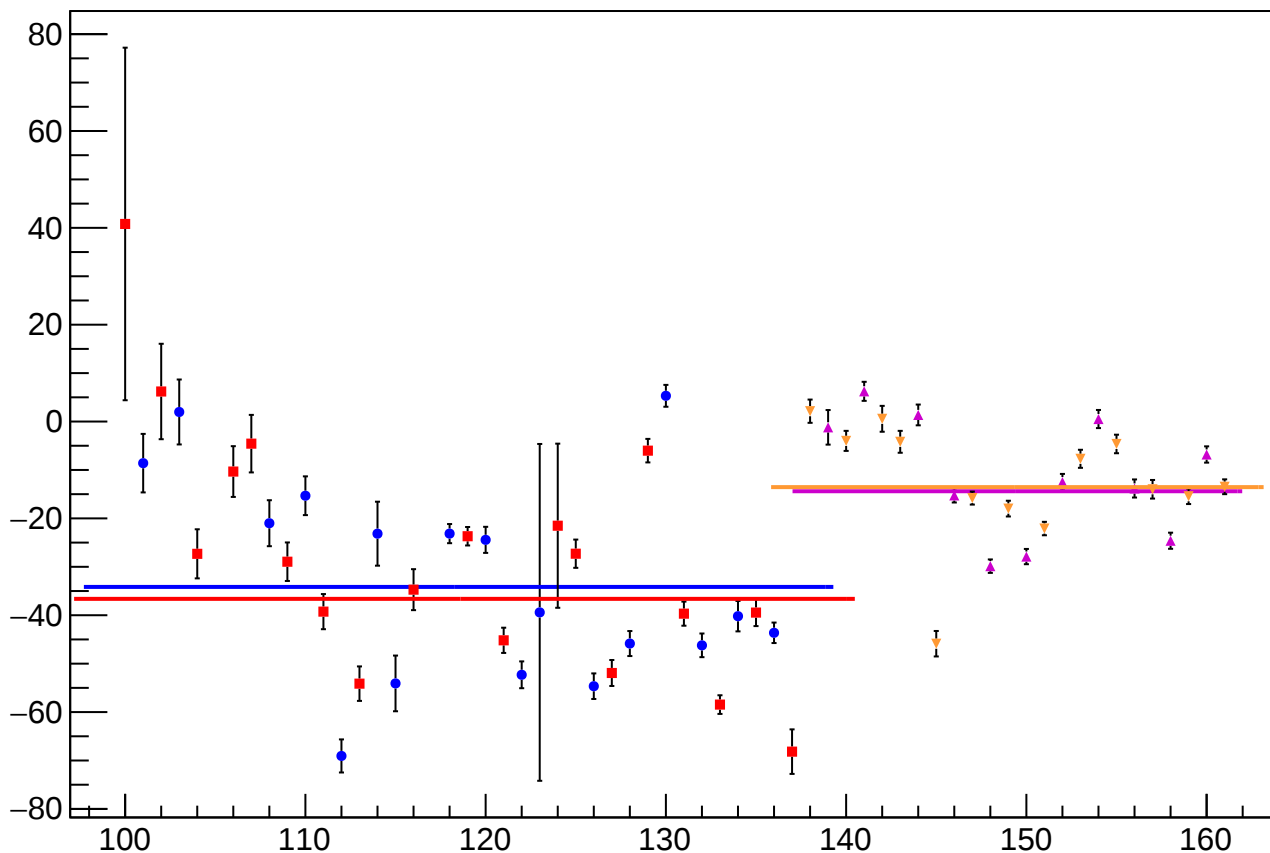
Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

Left In: 34.200 $\pm$ 0.633 χ^2 /NDF:930.5/10

38.333 $\pm$ 0.545 χ^2 /NDF: 3607.8/29

43.479 $\pm$ 0.562 χ^2 /NDF: 3492.3/29

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 $\chi^2/\text{NDF}: 717.5/16$

Left Out: -13.545 ± 0.501 $\chi^2/\text{NDF}: 341.3/12$

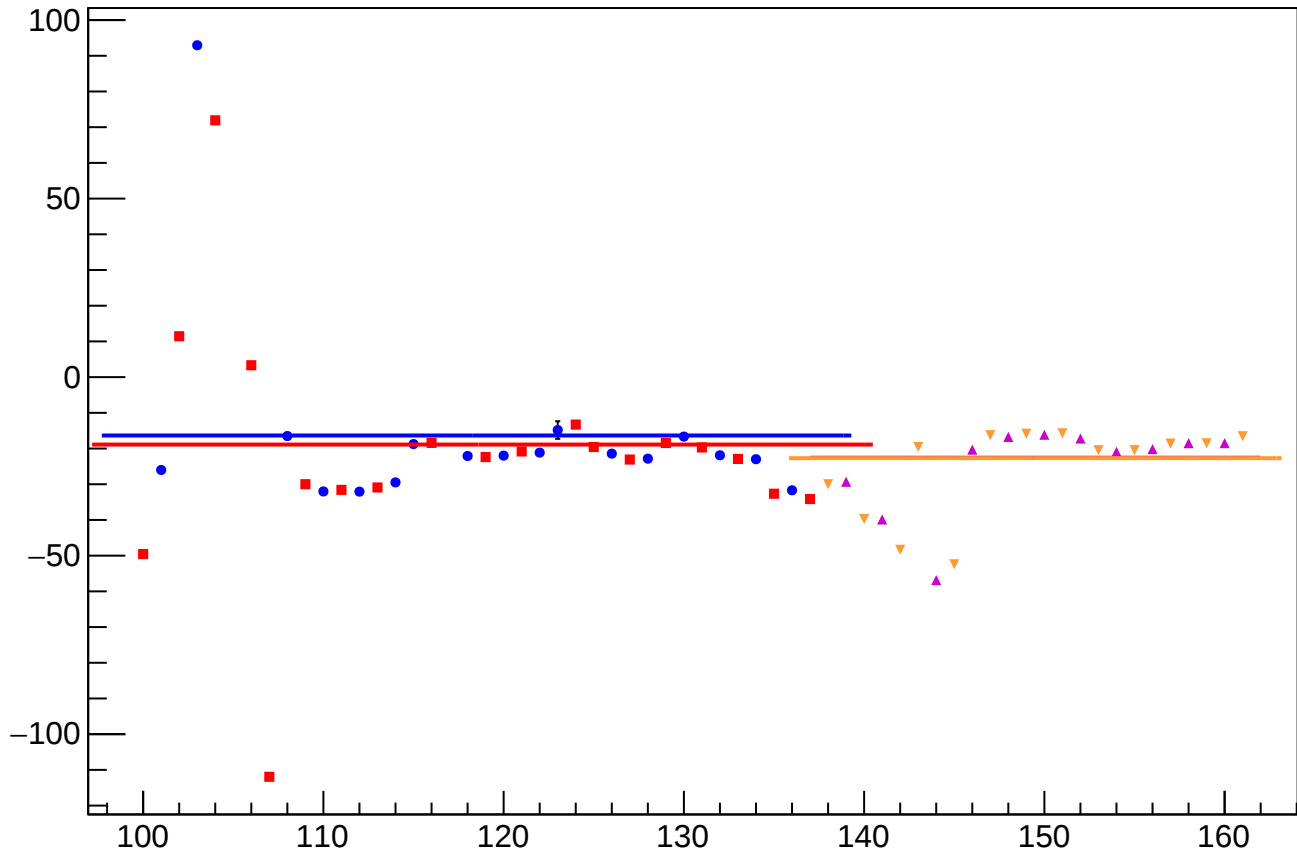
Right Out: -36.618 ± 0.736 $\chi^2/\text{NDF}: 547.0/18$

Left In: -14.394 ± 0.528 $\chi^2/\text{NDF}: 498.5/10$

-19.962 ± 0.416 $\chi^2/\text{NDF}: 1585.8/29$

-21.958 ± 0.429 $\chi^2/\text{NDF}: 1647.4/29$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -22.699 ± 0.024 $\chi^2/\text{NDF}: 180251.2/12$

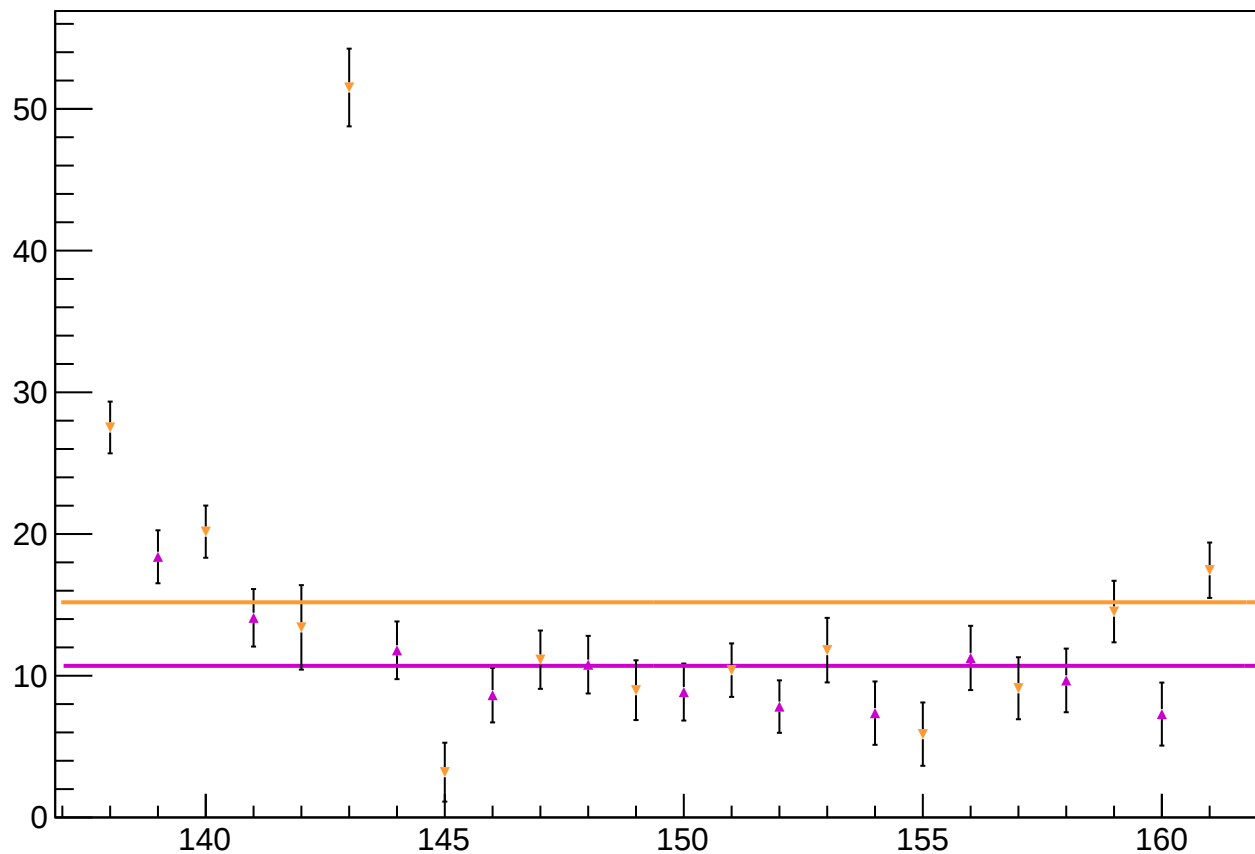
Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

Left In: -22.574 ± 0.025 $\chi^2/\text{NDF}: 146126.4/10$

-21.299 ± 0.021 $\chi^2/\text{NDF}: 670215.4/29$

-21.735 ± 0.022 $\chi^2/\text{NDF}: 585041.2/29$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 15.185+/-0.588 χ^2/NDF : 309.8/12

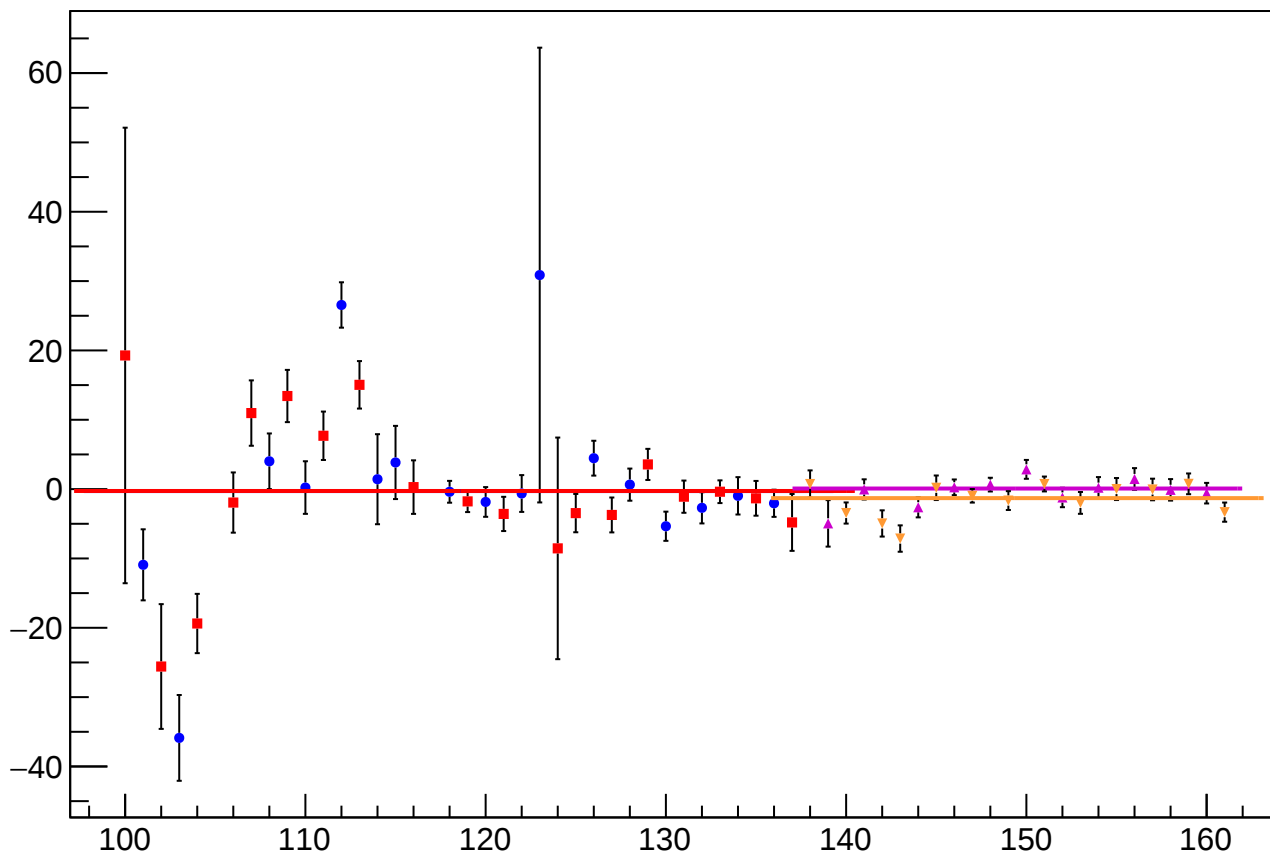
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 10.700+/-0.618 χ^2/NDF : 29.3/10

15.185+/-0.588 χ^2/NDF : 309.8/12

10.700+/-0.618 χ^2/NDF : 29.3/10

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.300 ± 0.401 χ^2/NDF : 26.2/12

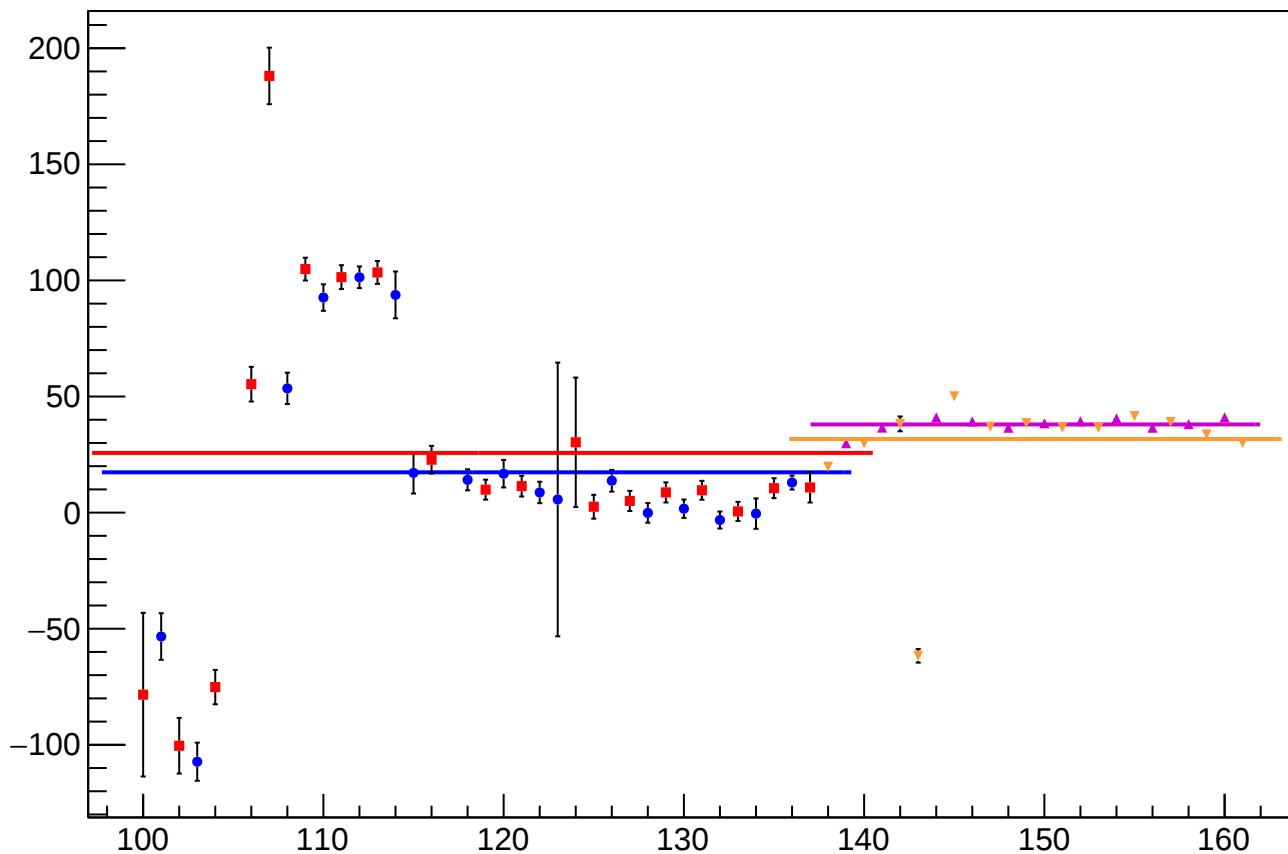
Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

Left In: 0.084 ± 0.423 χ^2/NDF : 12.0/10

-1.026 ± 0.343 χ^2/NDF : 147.5/29

-0.020 ± 0.356 χ^2/NDF : 95.4/29

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 31.699 ± 0.577 $\chi^2/\text{NDF}: 1200.8/12$

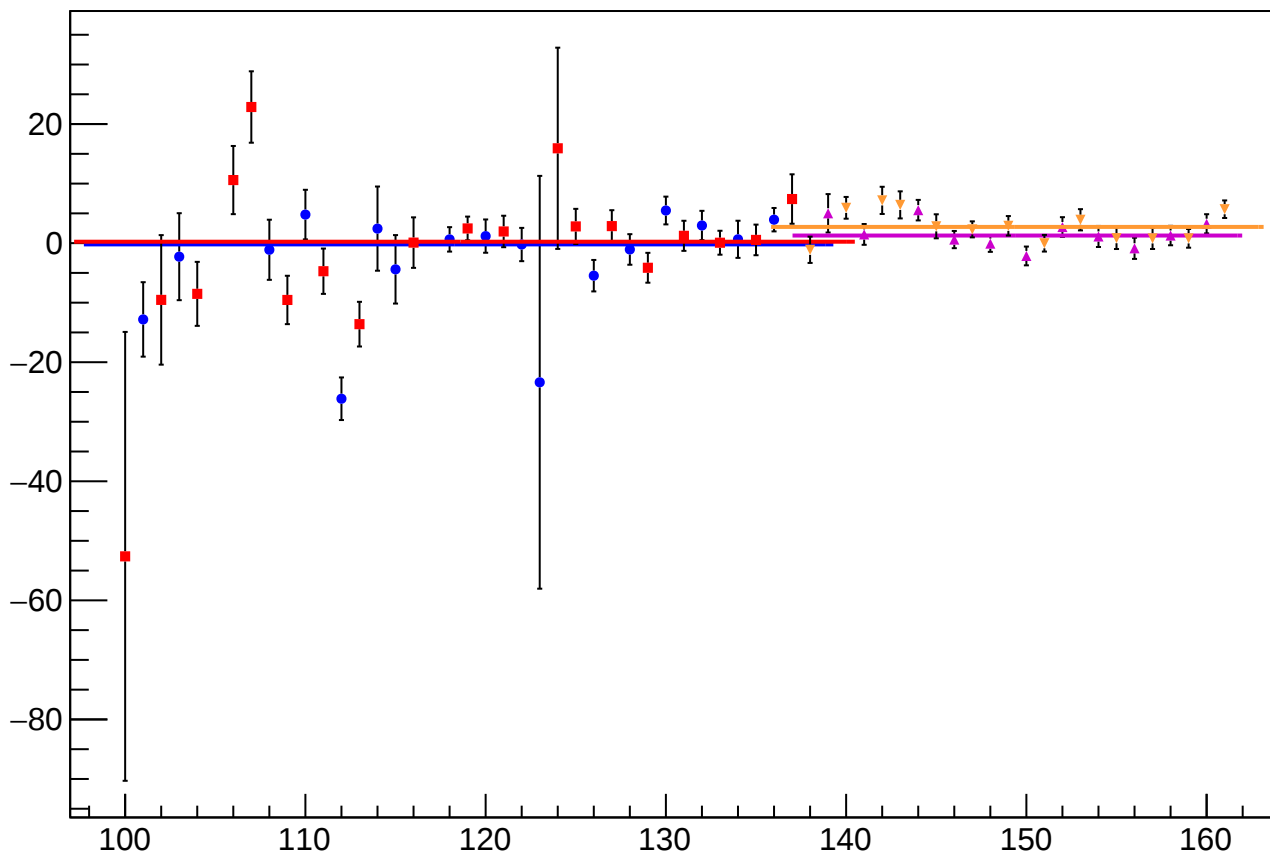
Right Out: 25.717 ± 1.243 $\chi^2/\text{NDF}: 1378.8/18$

Left In: 37.976 ± 0.601 $\chi^2/\text{NDF}: 24.3/10$

29.173 ± 0.523 $\chi^2/\text{NDF}: 2252.8/29$

35.650 ± 0.541 $\chi^2/\text{NDF}: 1482.0/29$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.724 ± 0.479 χ^2/NDF : 24.8/12

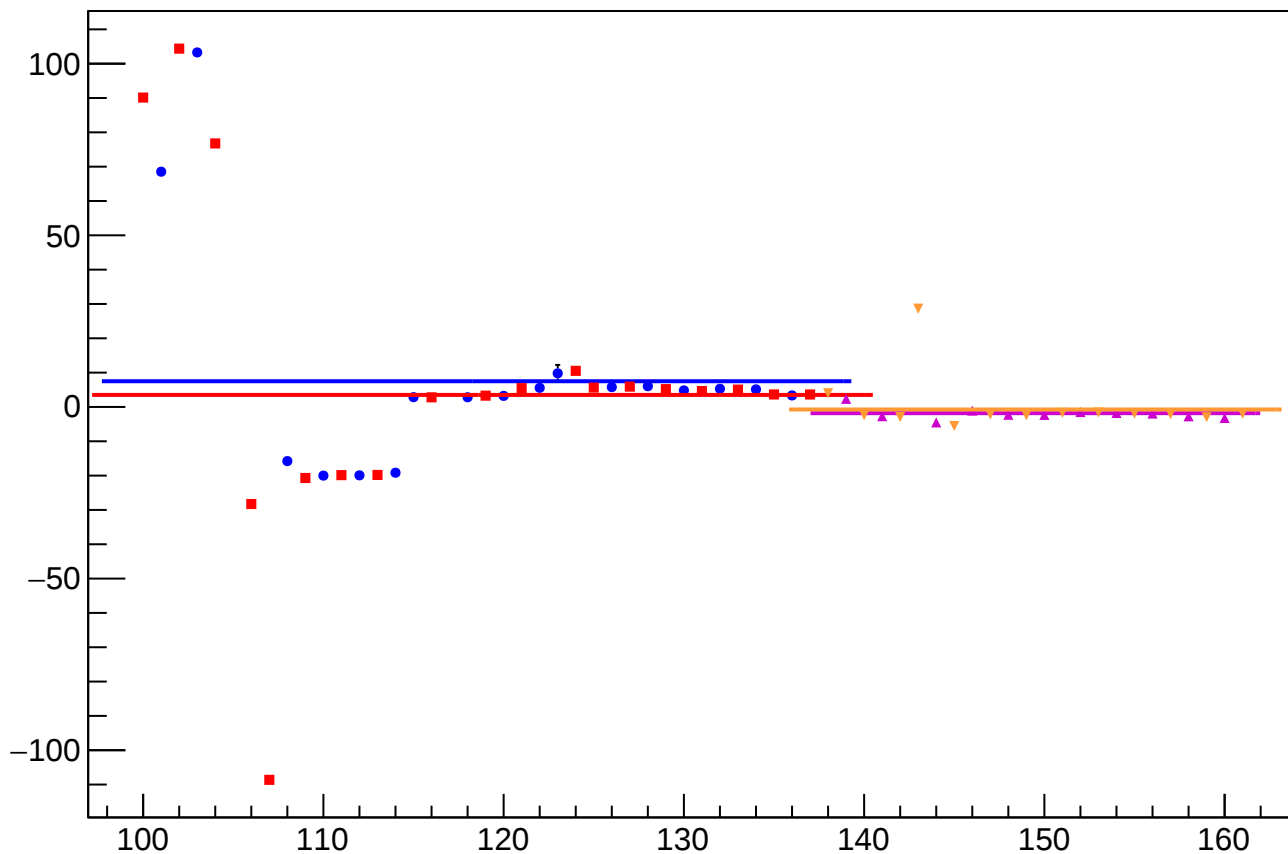
Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

Left In: 1.276 ± 0.505 χ^2/NDF : 17.1/10

1.878 ± 0.404 χ^2/NDF : 111.5/29

0.952 ± 0.418 χ^2/NDF : 72.9/29

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: -0.744 ± 0.022 $\chi^2/\text{NDF}: 73444.4/12$

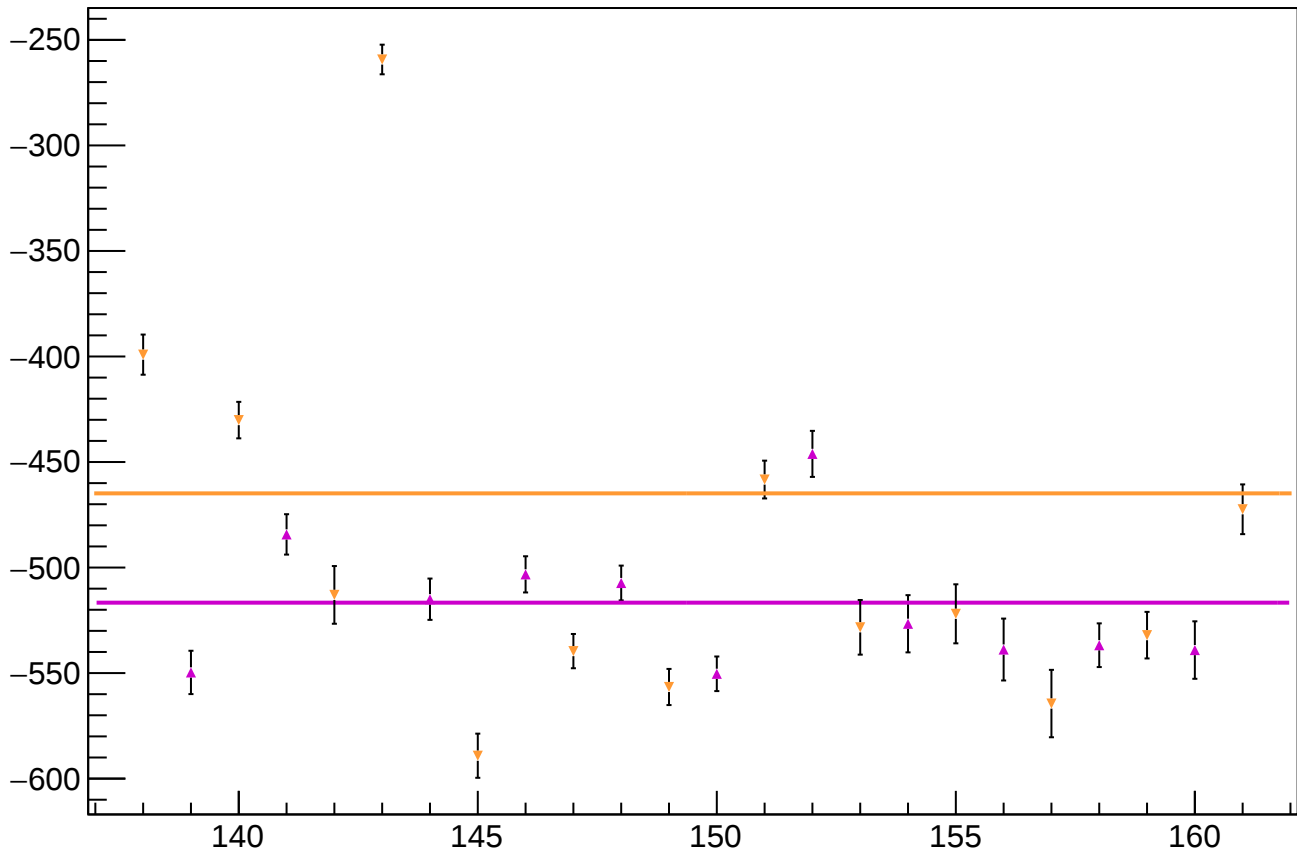
Right Out: 3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.4/18$

Left In: -1.810 ± 0.023 $\chi^2/\text{NDF}: 5015.7/10$

0.918 ± 0.020 $\chi^2/\text{NDF}: 456599.8/29$

-0.708 ± 0.021 $\chi^2/\text{NDF}: 526347.8/29$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -464.853+/-2.764 χ^2/NDF :1392.6/12

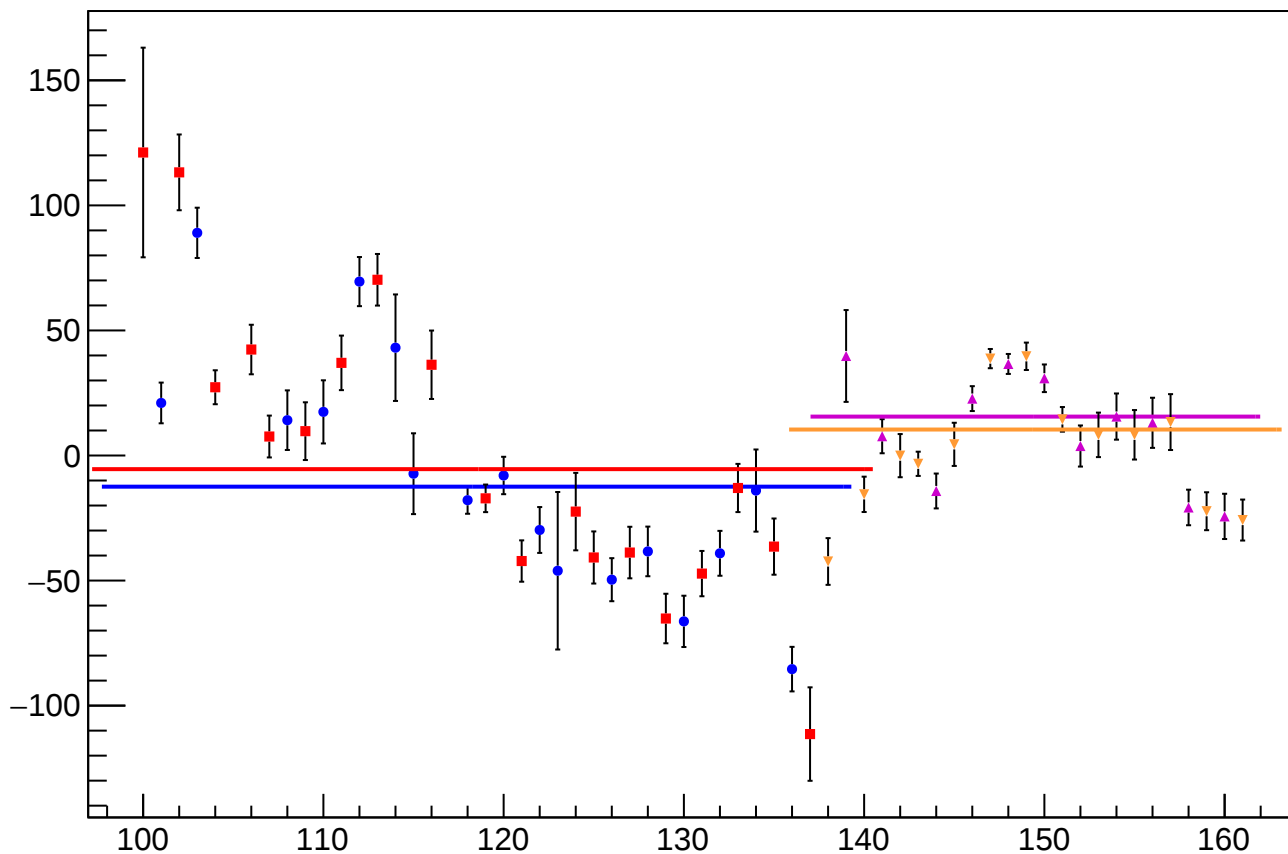
-464.853+/-2.764 χ^2/NDF : 1392.6/12

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

Left In: -516.638+/-3.053 χ^2/NDF :93.6/10

-516.638+/-3.053 χ^2/NDF : 93.6/10

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 10.387 ± 1.807 χ^2/NDF : 177.2/12

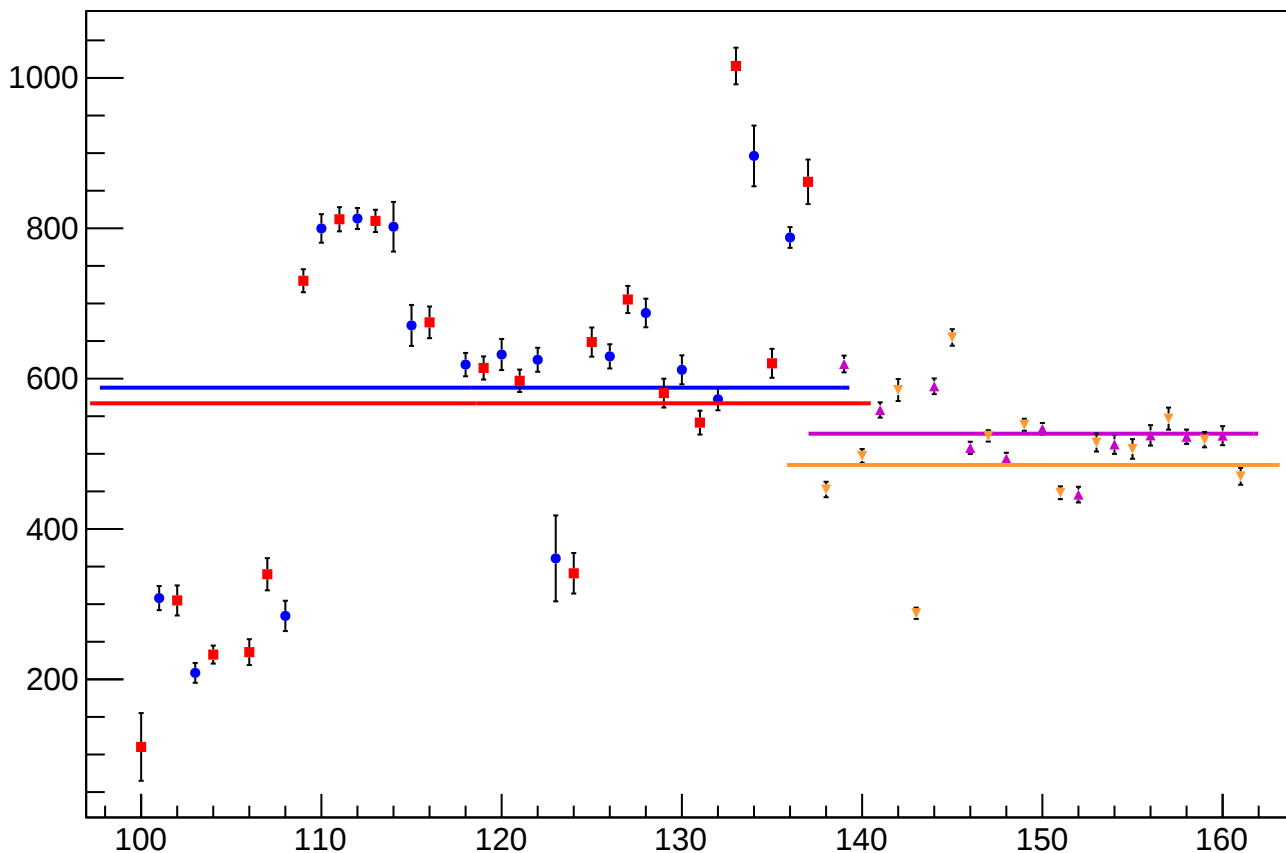
Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

Left In: 15.557 ± 2.002 χ^2/NDF : 106.6/10

1.893 ± 1.432 χ^2/NDF : 577.7/29

6.314 ± 1.498 χ^2/NDF : 500.0/29

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 ± 4.353 χ^2/NDF : 2129.6/16

Left Out: 485.168 ± 2.736 χ^2/NDF : 1117.4/12

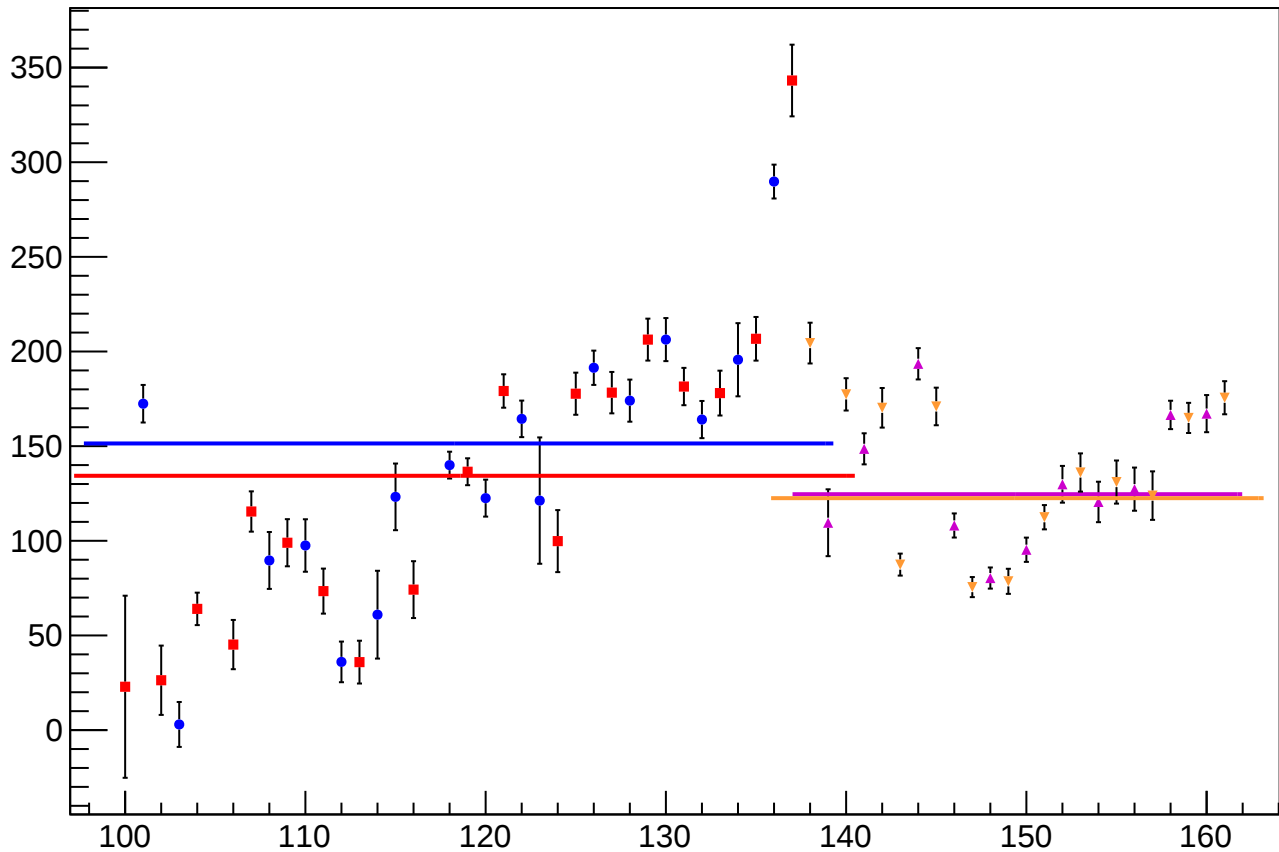
Right Out: 567.179 ± 4.136 χ^2/NDF : 2783.2/18

Left In: 526.764 ± 2.967 χ^2/NDF : 201.6/10

514.282 ± 2.316 χ^2/NDF : 3647.1/29

540.493 ± 2.411 χ^2/NDF : 3047.8/29

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421+/-2.709 χ^2/NDF : 633.3/16

Left Out: 122.526+/-2.201 χ^2/NDF : 372.7/12

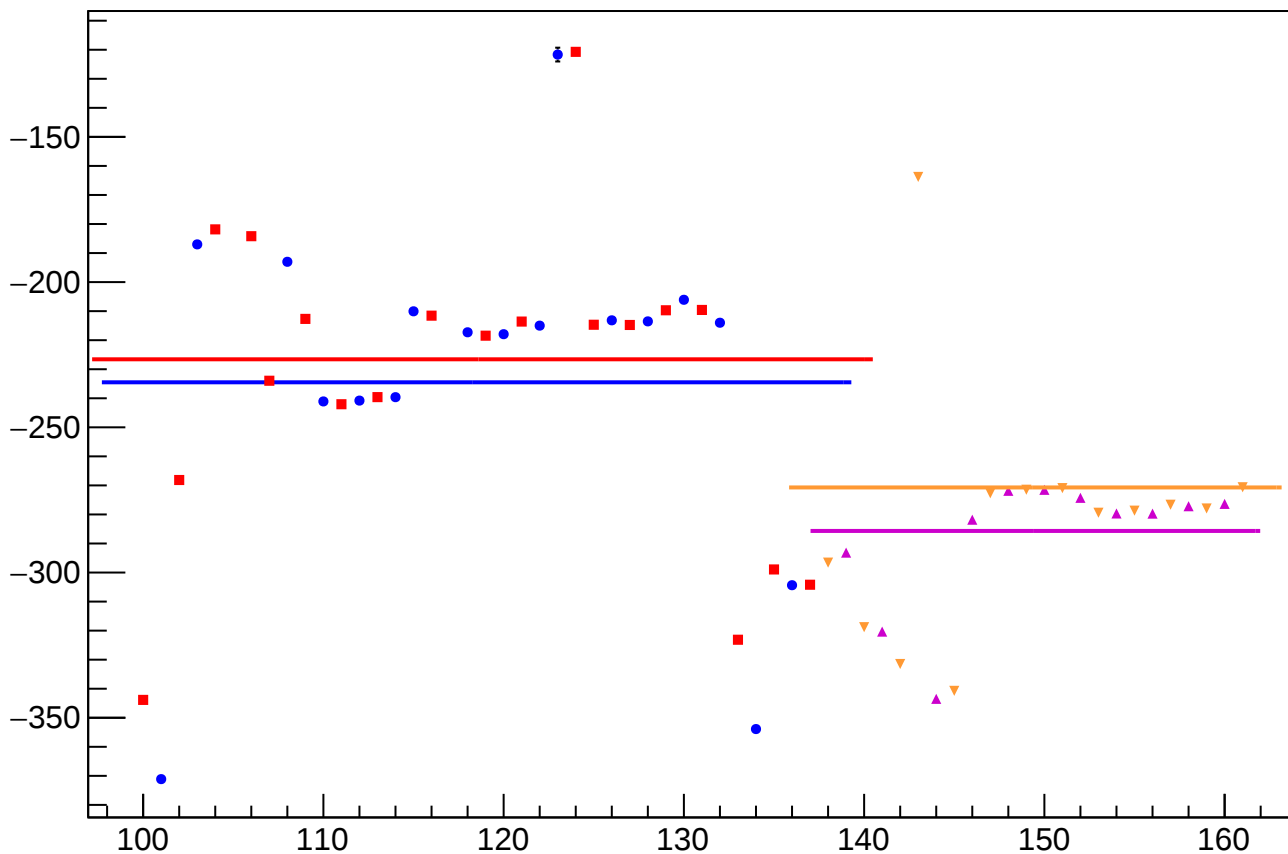
Right Out: 134.346+/-2.616 χ^2/NDF : 584.9/18

Left In: 124.619+/-2.433 χ^2/NDF : 219.8/10

134.017+/-1.708 χ^2/NDF : 1074.5/29

129.131+/-1.781 χ^2/NDF : 812.1/29

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -270.700 ± 0.110 $\chi^2/\text{NDF}: 182670.2/12$

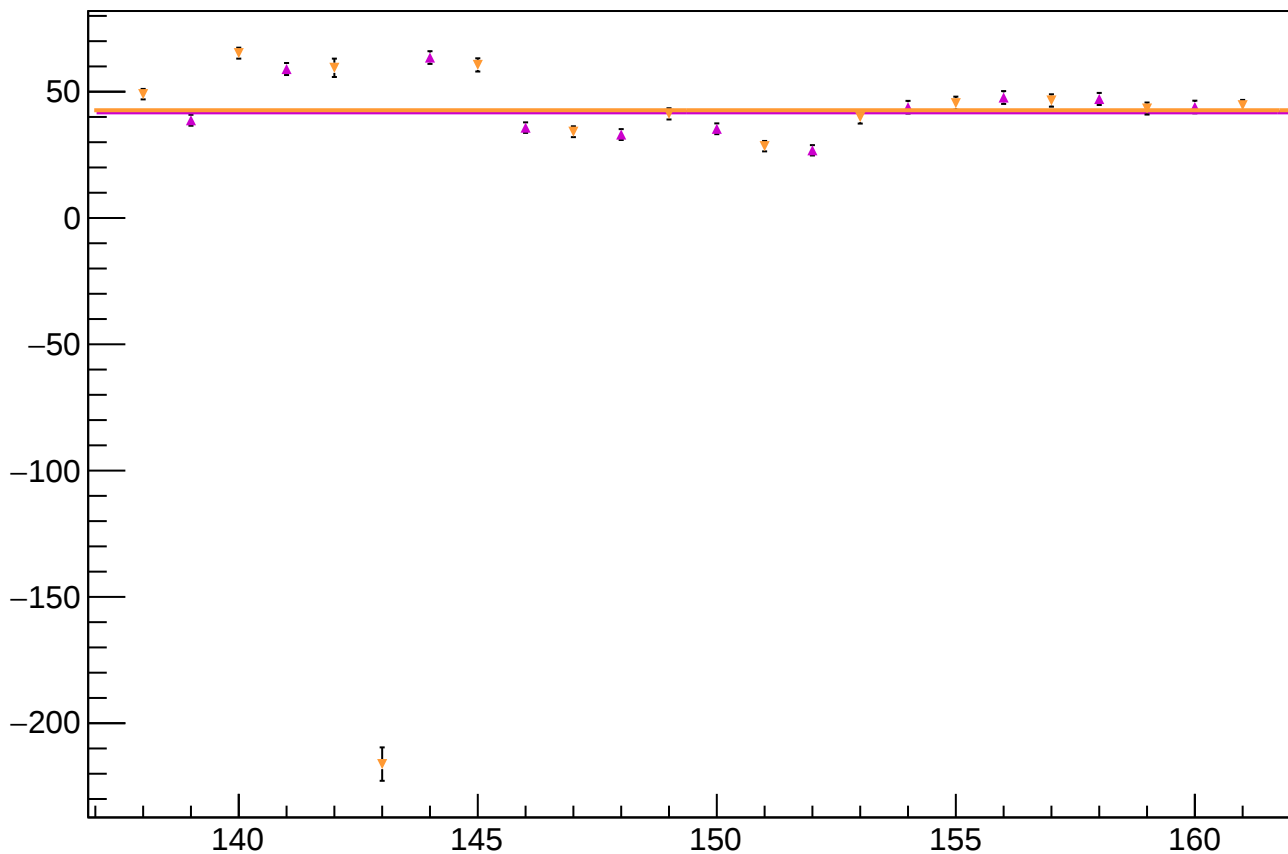
Right Out: -226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

Left In: -285.676 ± 0.118 $\chi^2/\text{NDF}: 29254.0/10$

-257.898 ± 0.089 $\chi^2/\text{NDF}: 365851.3/29$

-261.397 ± 0.091 $\chi^2/\text{NDF}: 231114.7/29$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 42.658+/-0.672 χ^2/NDF :1787.7/12

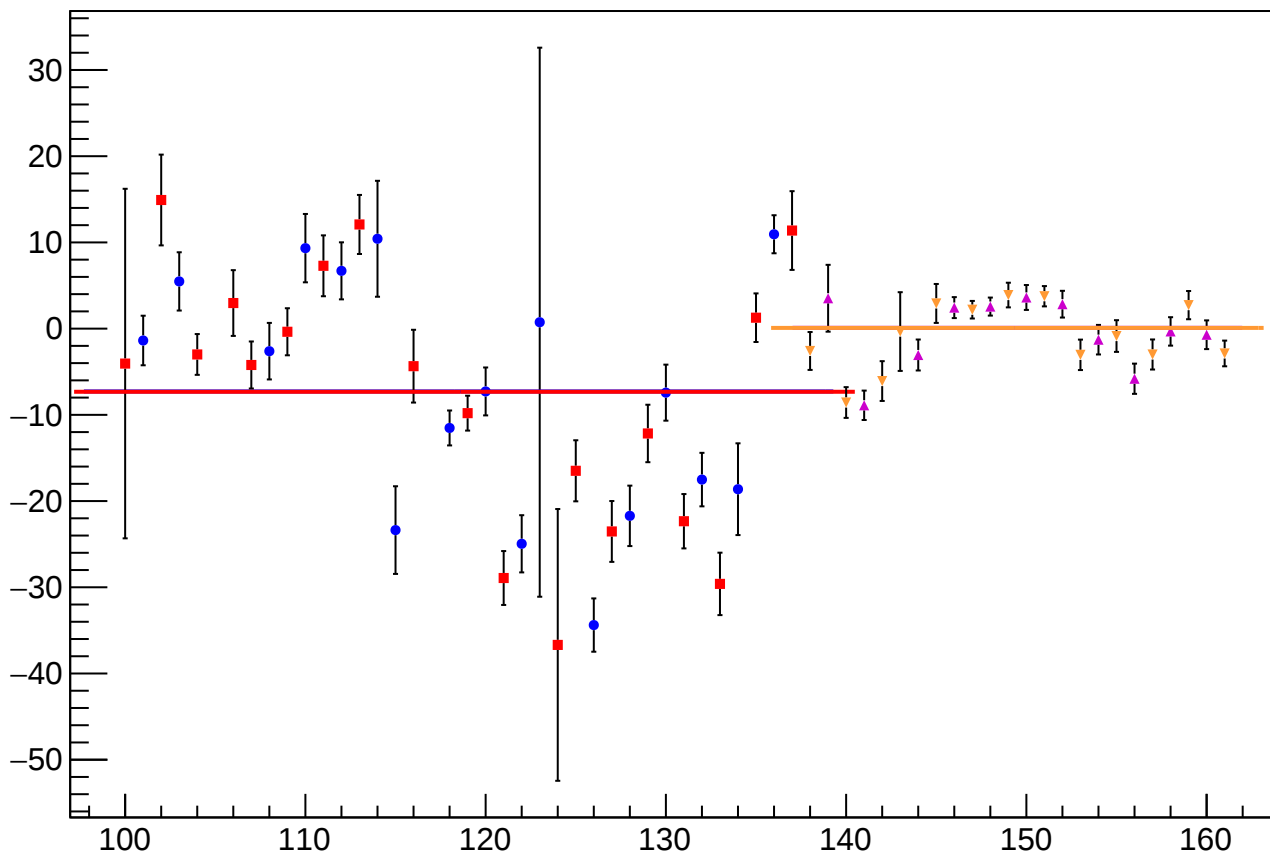
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 41.819+/-0.690 χ^2/NDF :228.4/10

42.658+/-0.672 χ^2/NDF : 1787.7/12

41.819+/-0.690 χ^2/NDF : 228.4/10

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: 0.084 ± 0.452 χ^2/NDF : 68.0/12

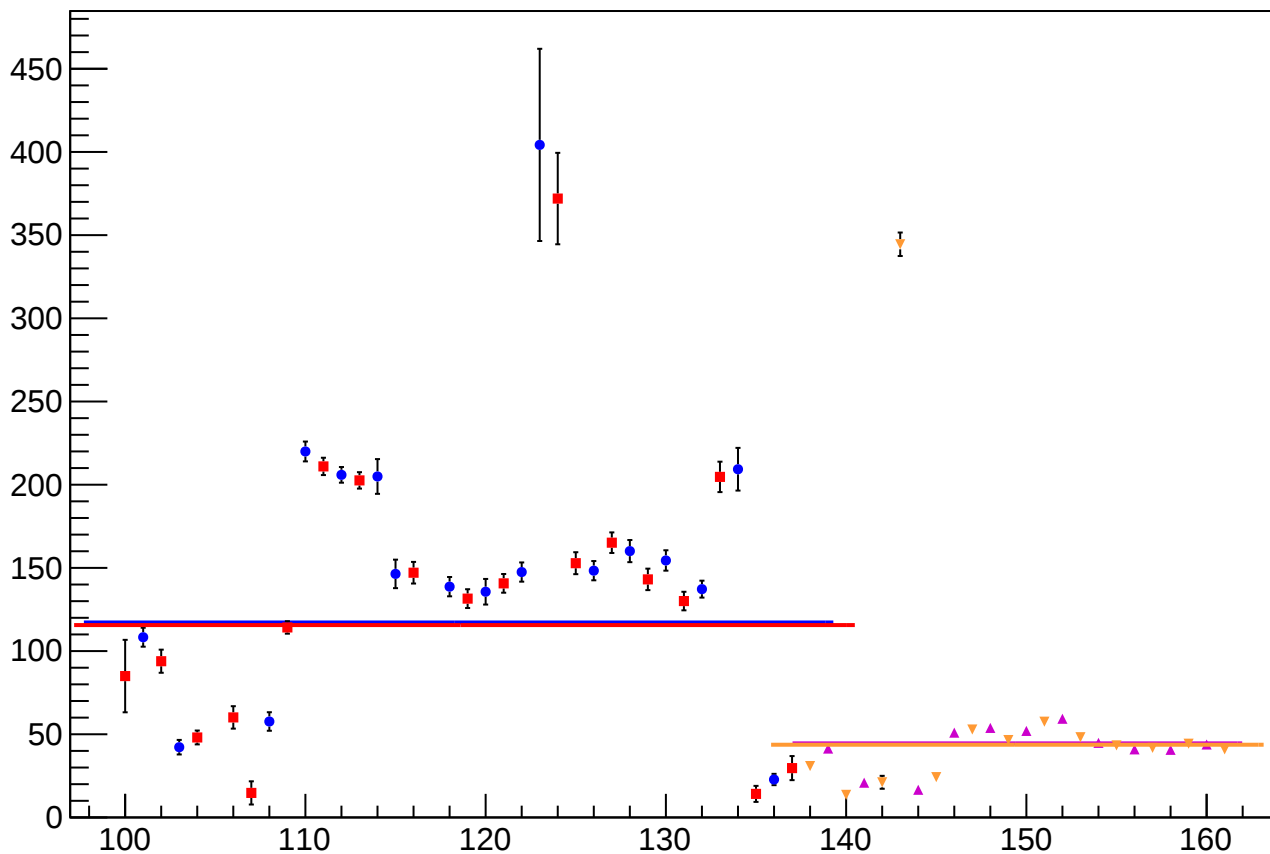
Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

Left In: 0.093 ± 0.466 χ^2/NDF : 62.3/10

-1.738 ± 0.392 χ^2/NDF : 416.9/29

-1.931 ± 0.397 χ^2/NDF : 386.7/29

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187+/-1.416 χ^2/NDF : 2161.0/16

Left Out: 43.712+/-0.654 χ^2/NDF :2181.9/12

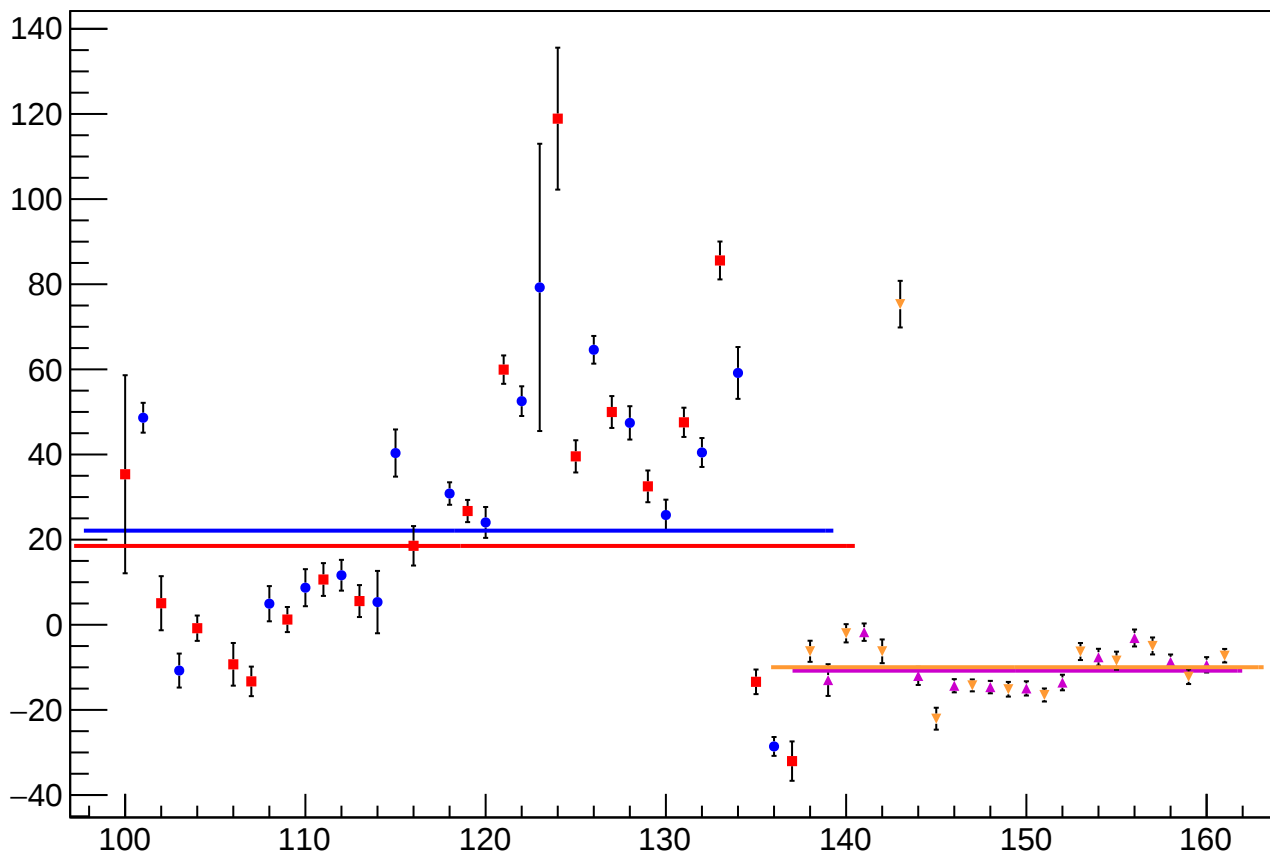
Right Out: 115.632+/-1.361 χ^2/NDF : 2137.6/18

Left In: 44.533+/-0.668 χ^2/NDF :304.8/10

56.625+/-0.594 χ^2/NDF : 6561.1/29

58.342+/-0.600 χ^2/NDF : 4641.3/29

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -9.974 $\pm$ 0.541 χ^2 /NDF:333.8/12

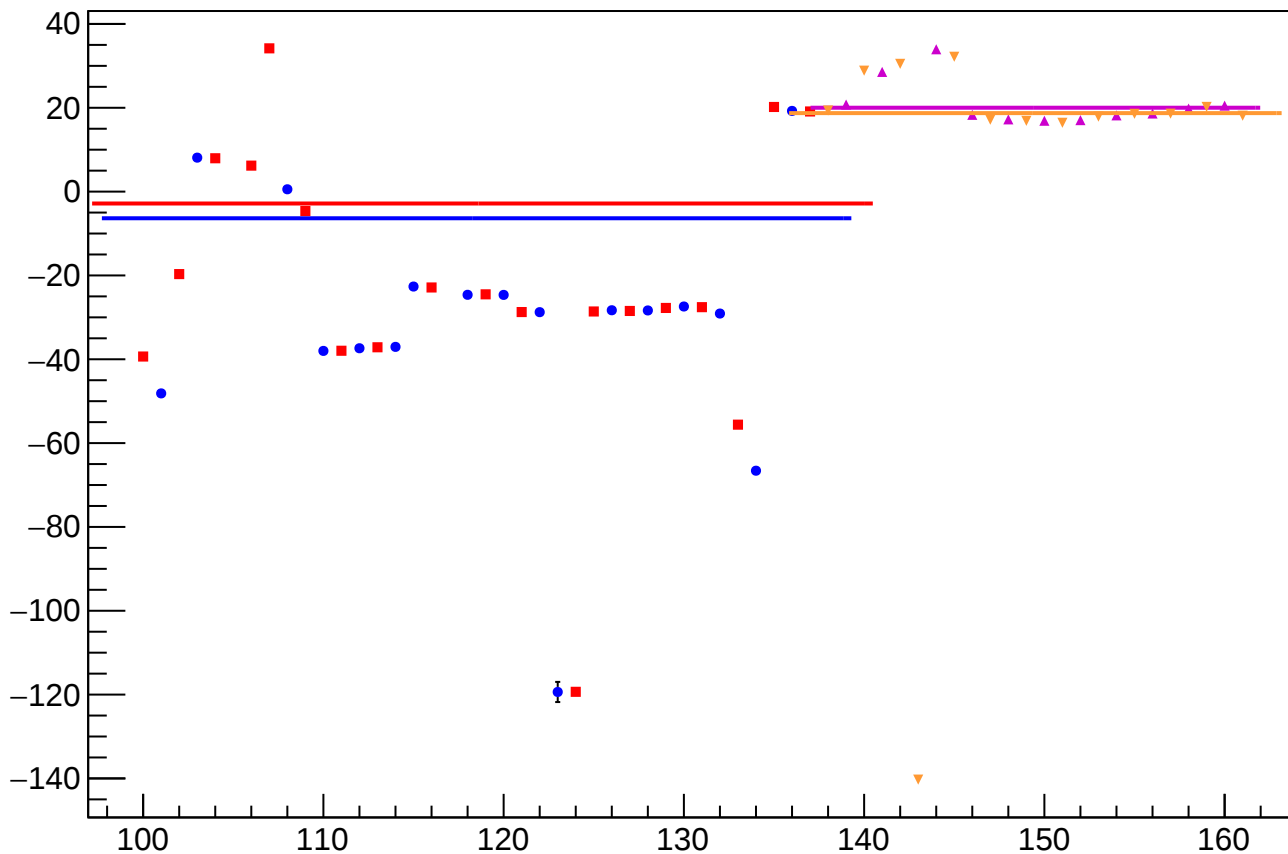
Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

Left In: -10.785 $\pm$ 0.558 χ^2 /NDF:60.3/10

-1.438 $\pm$ 0.463 χ^2 /NDF: 2340.6/29

-2.260 $\pm$ 0.470 χ^2 /NDF: 1931.3/29

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 18.726 ± 0.026 $\chi^2/\text{NDF}: 348985.5/12$

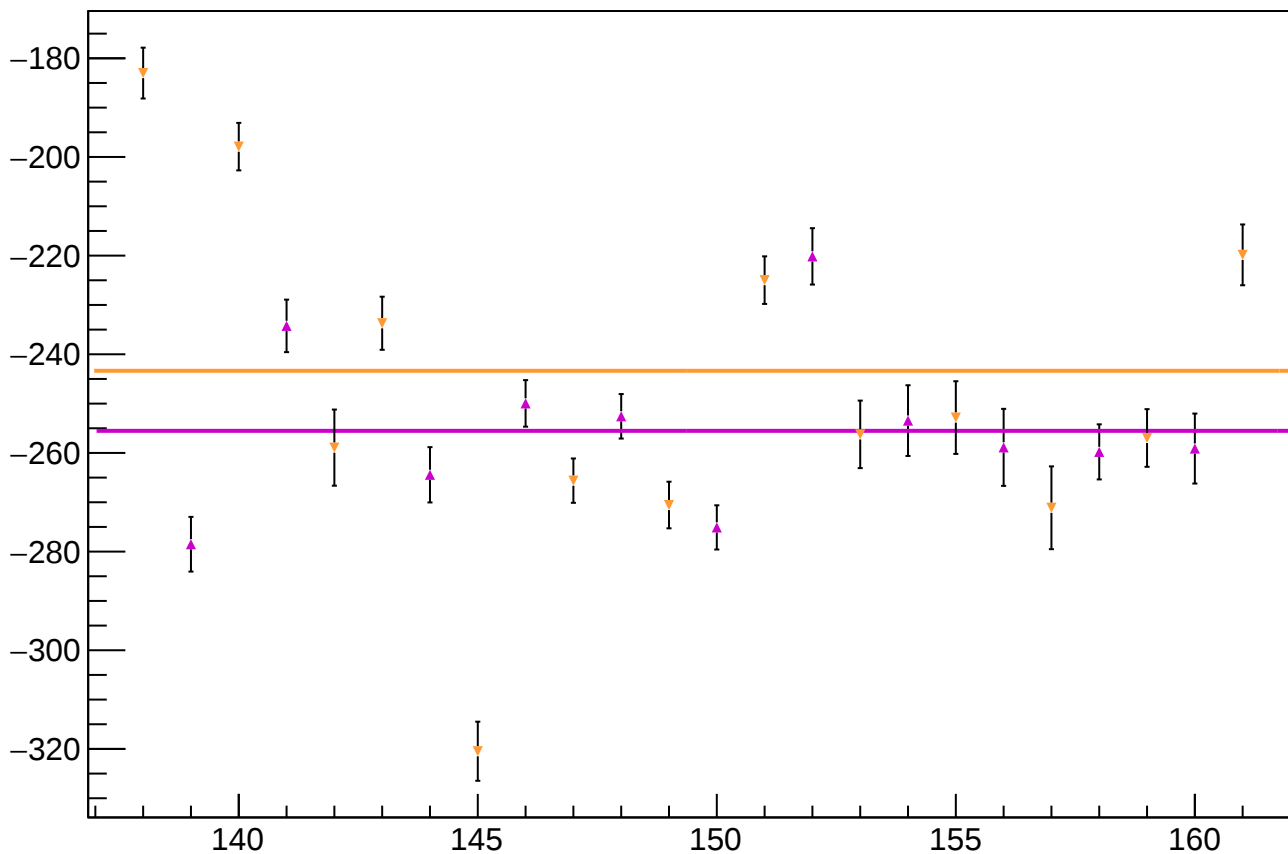
Right Out: -2.837 ± 0.046 $\chi^2/\text{NDF}: 265573.0/18$

Left In: 20.013 ± 0.026 $\chi^2/\text{NDF}: 26145.1/10$

12.881 ± 0.022 $\chi^2/\text{NDF}: 838768.1/29$

14.443 ± 0.023 $\chi^2/\text{NDF}: 480404.7/29$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -243.346+/-1.568 χ^2/NDF : 507.6/12

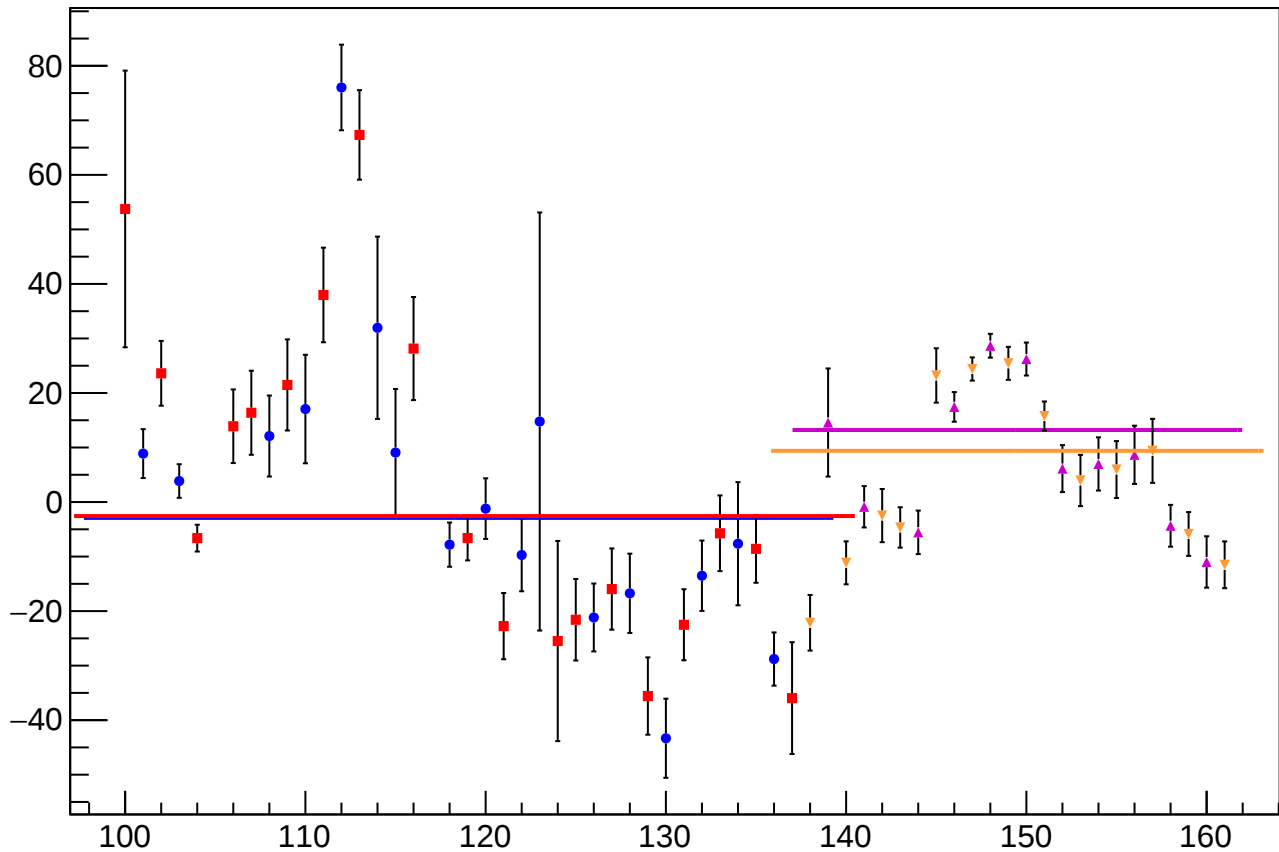
-243.346+/-1.568 χ^2/NDF : 507.6/12

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

-255.520+/-1.662 χ^2/NDF : 96.0/10

Left In: -255.520+/-1.662 χ^2/NDF : 96.0/10

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 9.397 ± 1.023 χ^2/NDF : 216.8/12

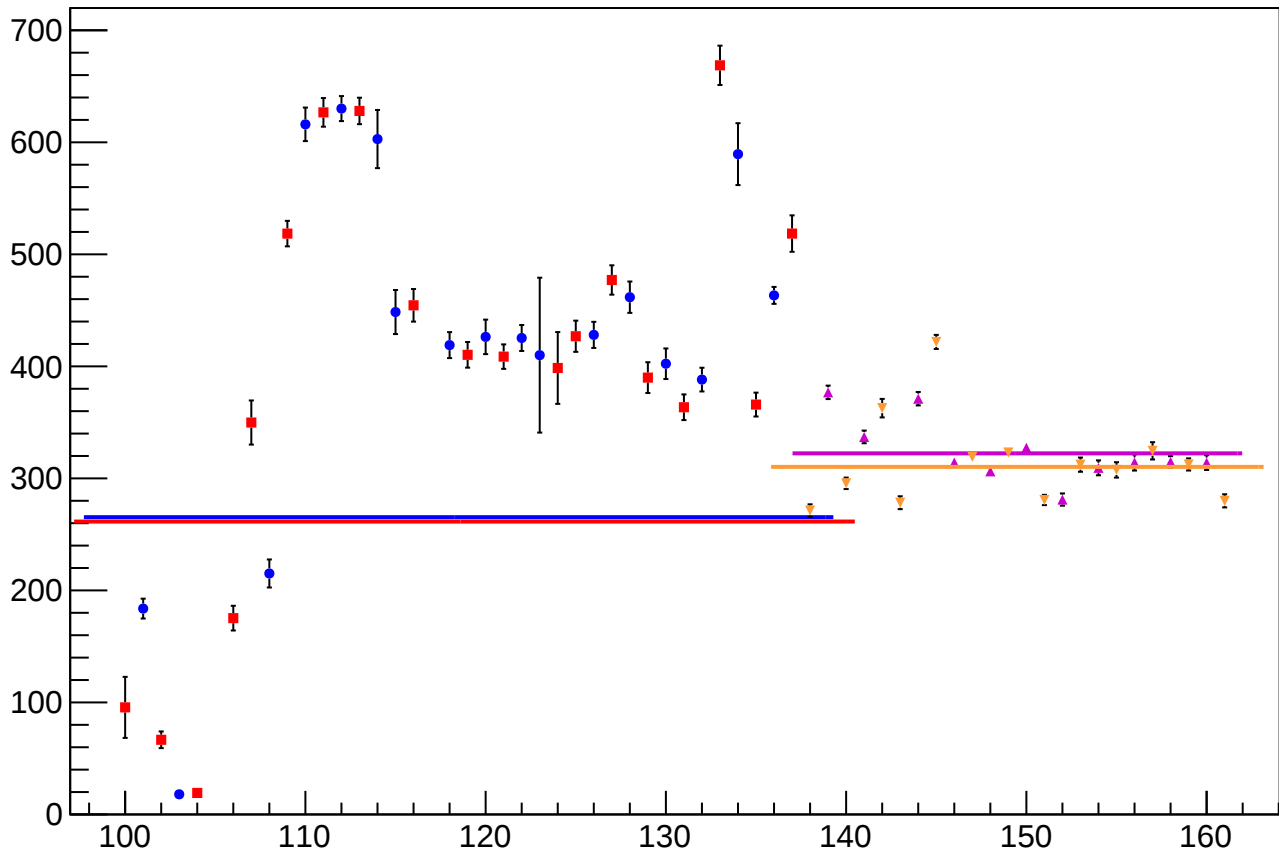
Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

Left In: 13.213 ± 1.091 χ^2/NDF : 159.3/10

5.374 ± 0.839 χ^2/NDF : 467.6/29

7.231 ± 0.860 χ^2/NDF : 456.8/29

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 ± 2.488 $\chi^2/\text{NDF}: 7633.8/16$

Left Out: 310.270 ± 1.540 $\chi^2/\text{NDF}: 527.2/12$

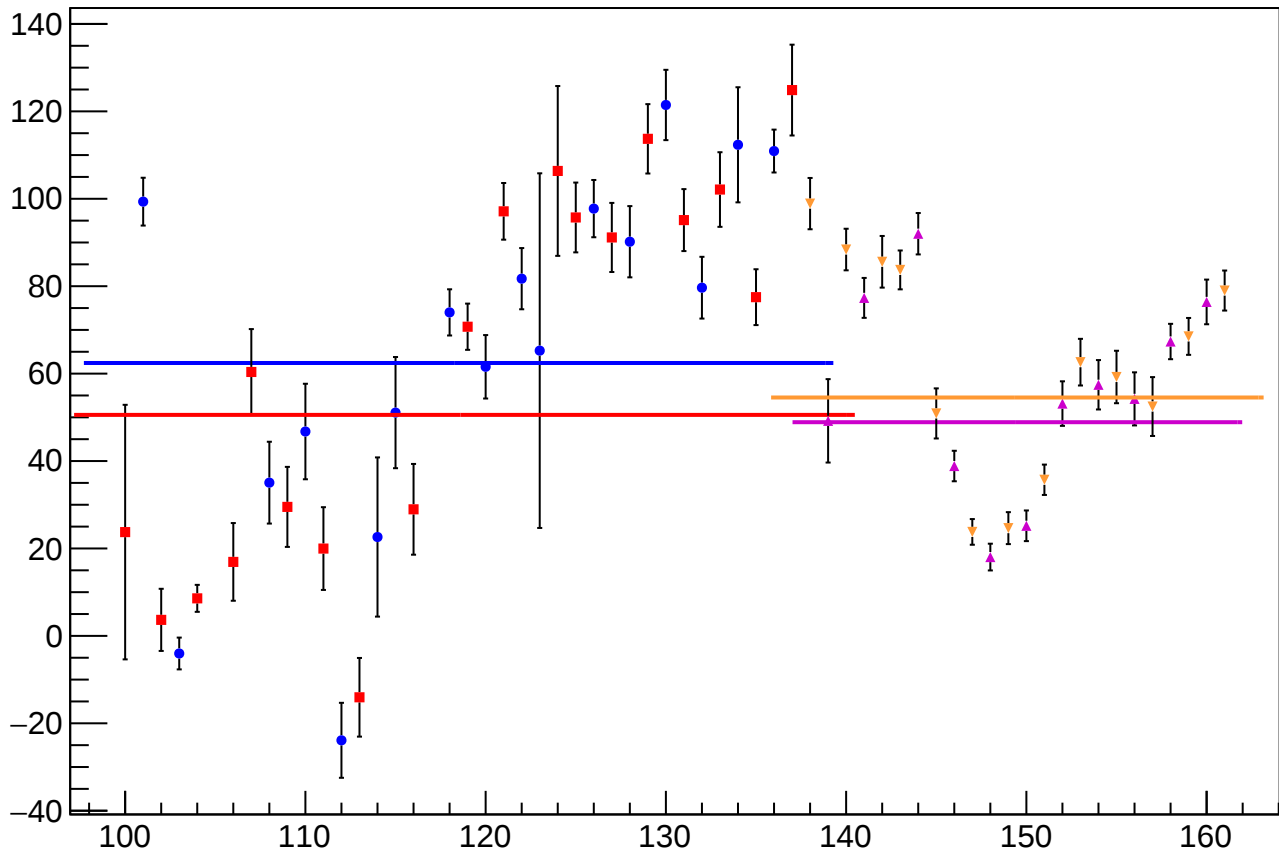
Right Out: 261.465 ± 2.458 $\chi^2/\text{NDF}: 8204.3/18$

Left In: 322.348 ± 1.613 $\chi^2/\text{NDF}: 239.8/10$

297.828 ± 1.310 $\chi^2/\text{NDF}: 8396.4/29$

304.023 ± 1.348 $\chi^2/\text{NDF}: 8873.0/29$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 54.538 $\pm$ 1.245 χ^2 /NDF: 427.1/12

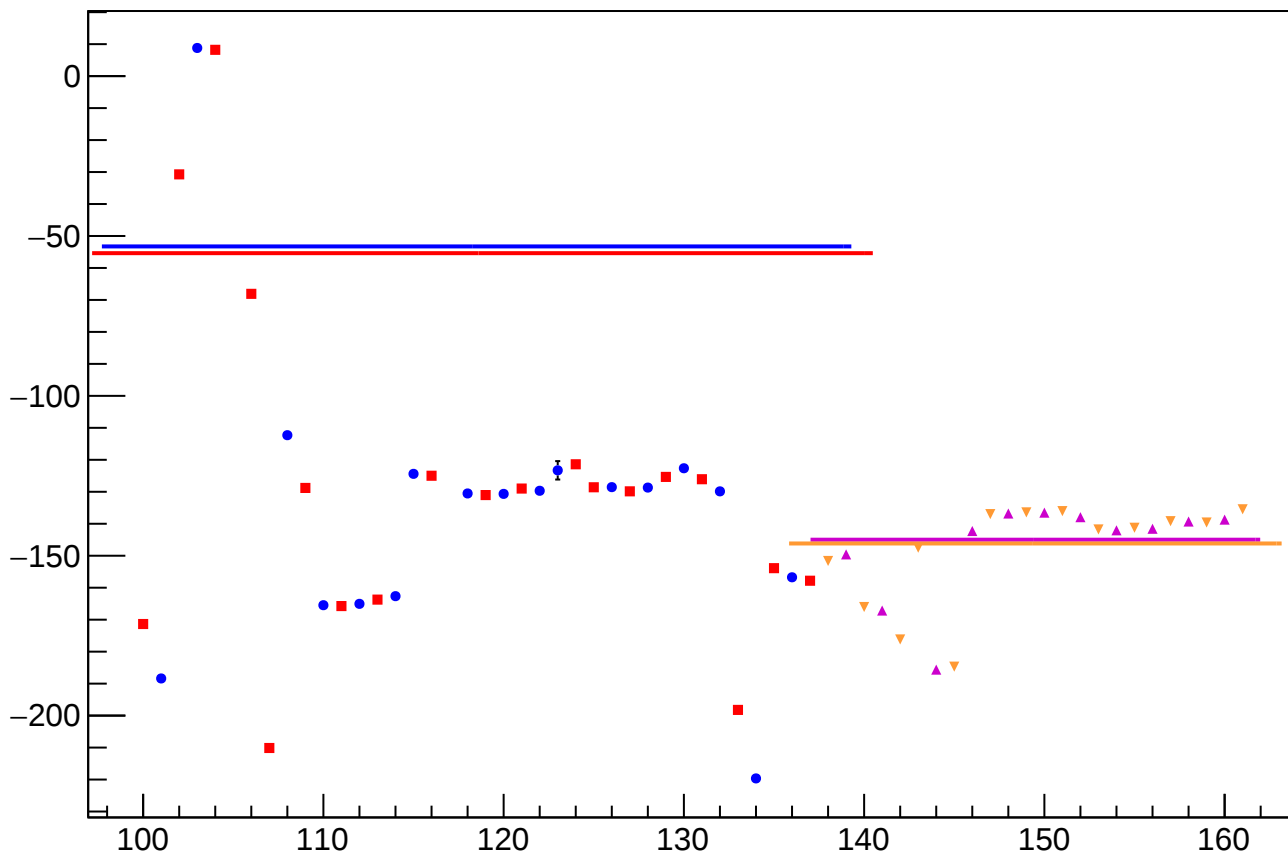
Right Out: 50.560 $\pm$ 1.642 χ^2 /NDF: 657.4/18

Left In: 48.887 $\pm$ 1.324 χ^2 /NDF: 330.9/10

57.307 $\pm$ 1.003 χ^2 /NDF: 1163.0/29

49.547 $\pm$ 1.031 χ^2 /NDF: 988.9/29

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 ± 0.070 χ^2/NDF : 1225492.9/16

Left Out: -146.170 ± 0.062 χ^2/NDF : 53063.7/12

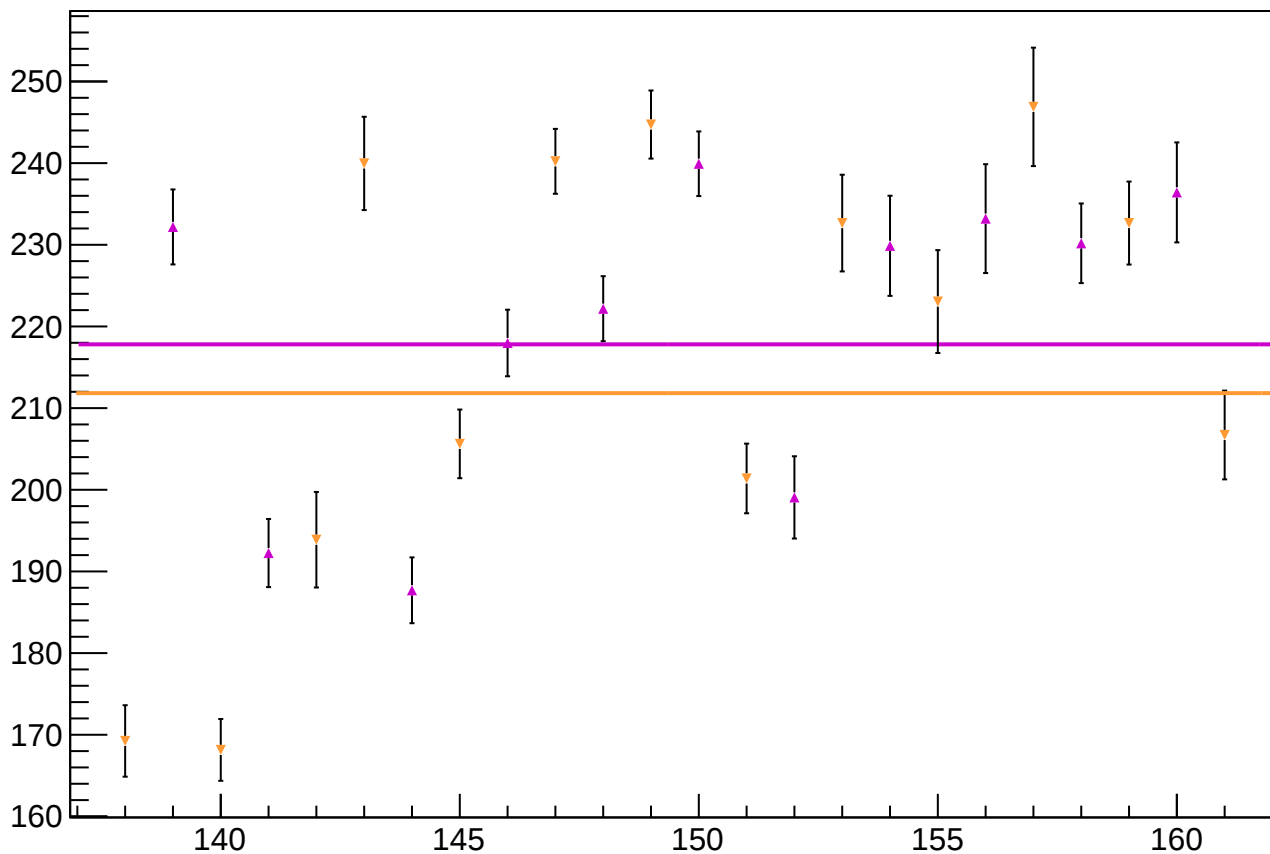
Right Out: -55.373 ± 0.072 χ^2/NDF : 967027.2/18

Left In: -144.988 ± 0.064 χ^2/NDF : 41273.6/10

-105.699 ± 0.046 χ^2/NDF : 2261152.9/29

-105.404 ± 0.048 χ^2/NDF : 1874381.4/29

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 211.834+/-1.337 χ^2/NDF : 439.9/12

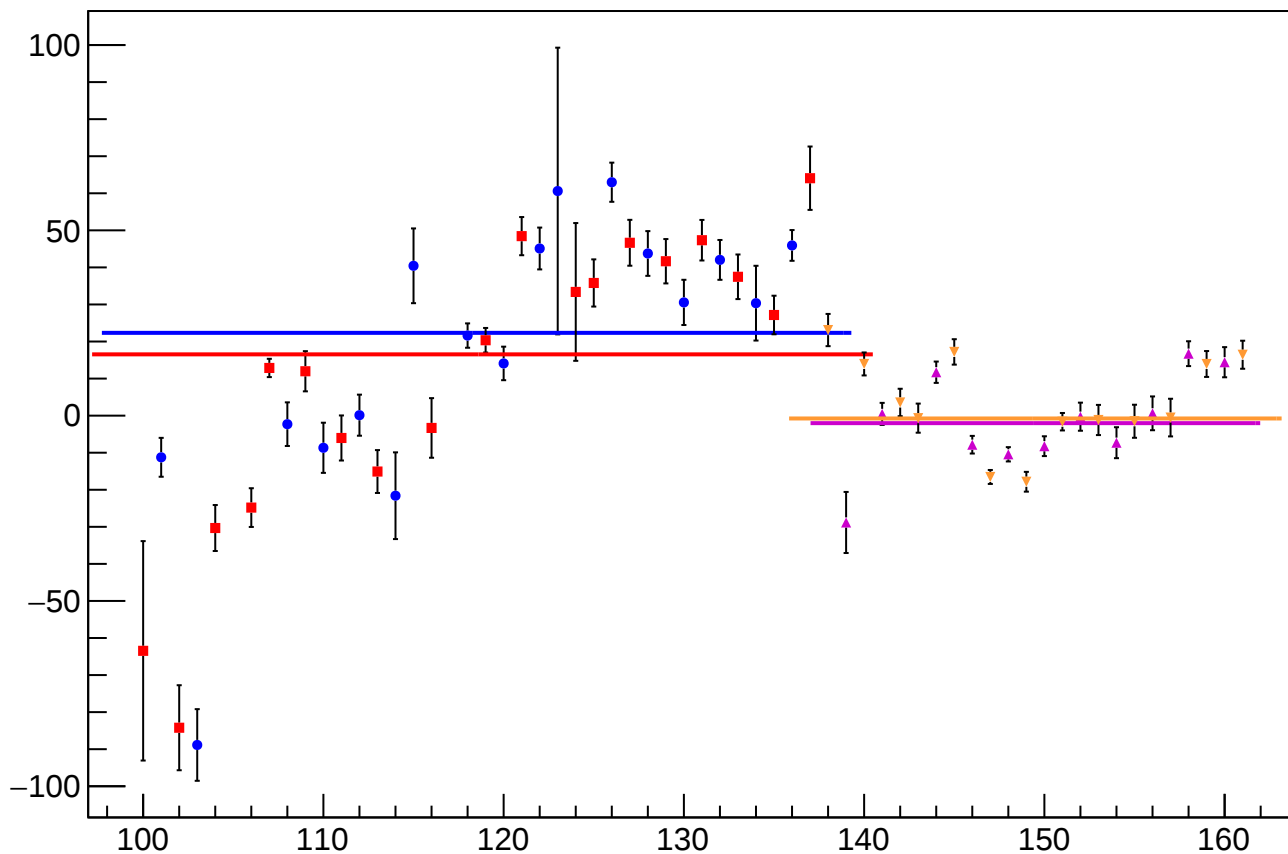
211.834+/-1.337 χ^2/NDF : 439.9/12

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

217.810+/-1.399 χ^2/NDF : 174.3/10

Left In: 217.810+/-1.399 χ^2/NDF : 174.3/10

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342+/-1.395 χ^2/NDF : 385.8/16

Left Out: -0.763+/-0.883 χ^2/NDF : 231.0/12

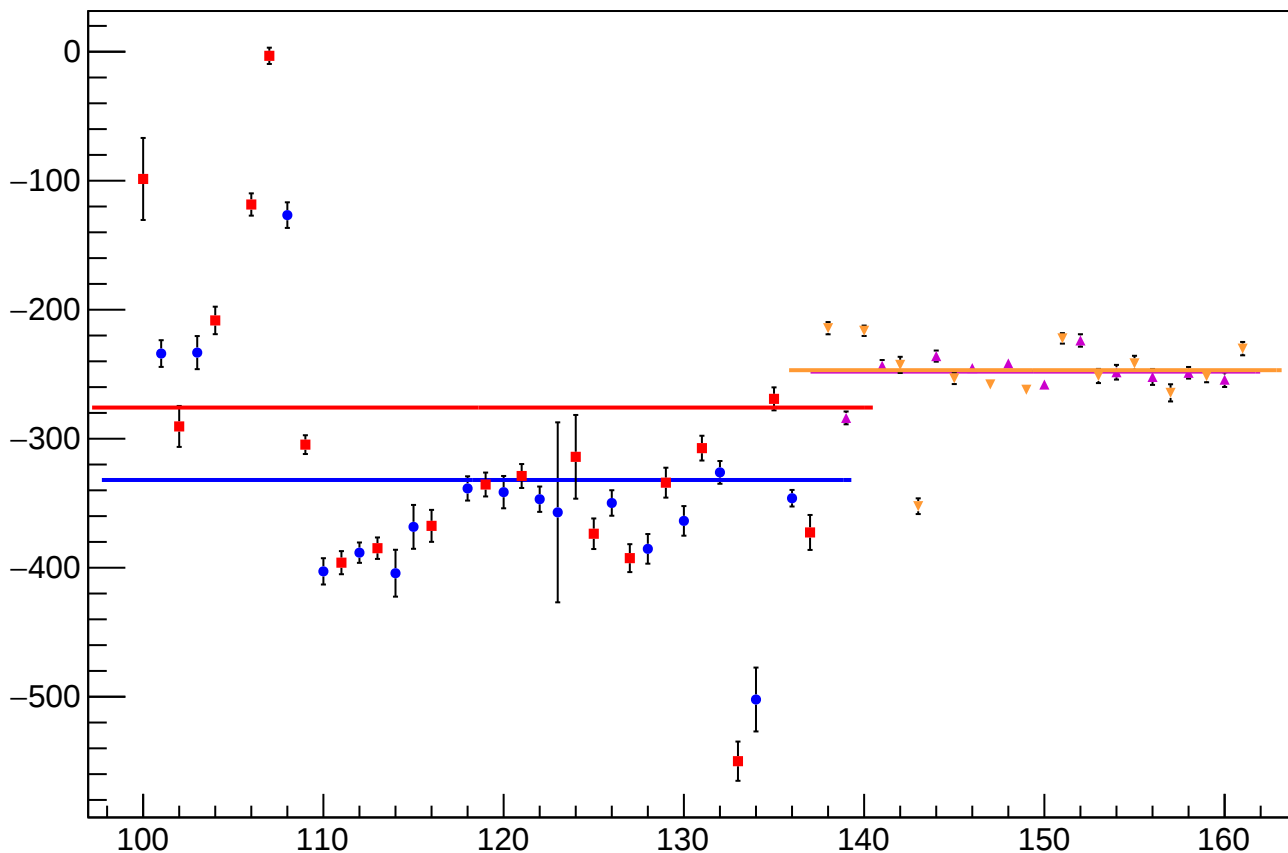
Right Out: 16.537+/-1.227 χ^2/NDF : 426.6/18

Left In: -2.023+/-0.929 χ^2/NDF : 114.2/10

5.842+/-0.746 χ^2/NDF : 812.7/29

4.740+/-0.741 χ^2/NDF : 686.1/29

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -246.881+/-1.319 χ^2/NDF : 486.8/12

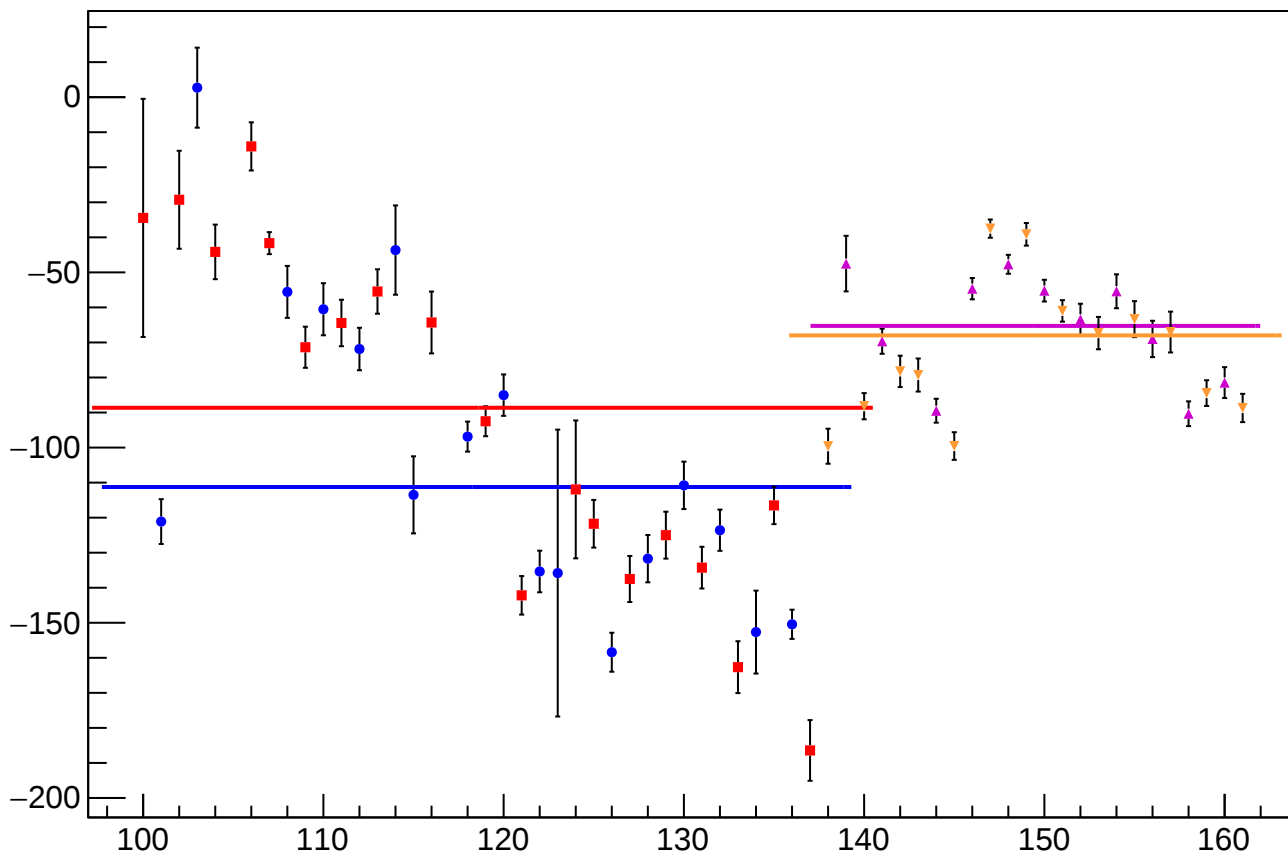
-264.514+/-1.174 χ^2/NDF : 2134.4/29

Right Out: -275.842+/-2.325 χ^2/NDF : 3362.2/18

-255.122+/-1.178 χ^2/NDF : 3567.4/29

Left In: -247.964+/-1.366 χ^2/NDF : 98.3/10

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 $\chi^2/\text{NDF}: 509.6/16$

Left Out: -67.979 ± 1.071 $\chi^2/\text{NDF}: 414.3/12$

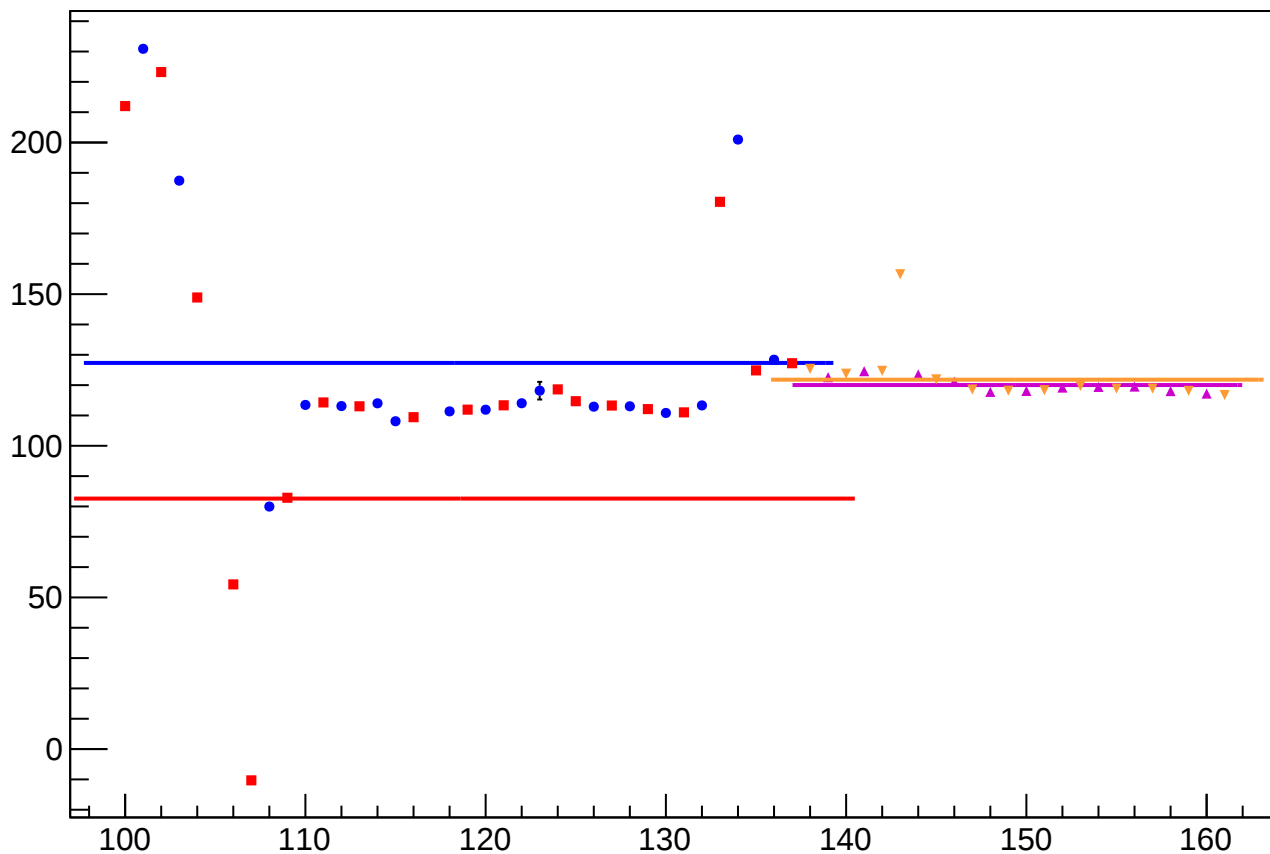
Right Out: -88.633 ± 1.433 $\chi^2/\text{NDF}: 971.0/18$

Left In: -65.272 ± 1.125 $\chi^2/\text{NDF}: 190.6/10$

-81.410 ± 0.890 $\chi^2/\text{NDF}: 1430.3/29$

-74.178 ± 0.885 $\chi^2/\text{NDF}: 1326.0/29$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323 $\pm$ 0.089 χ^2 /NDF: 187776.4/16

Left Out: 121.804 $\pm$ 0.053 χ^2 /NDF: 23630.0/12

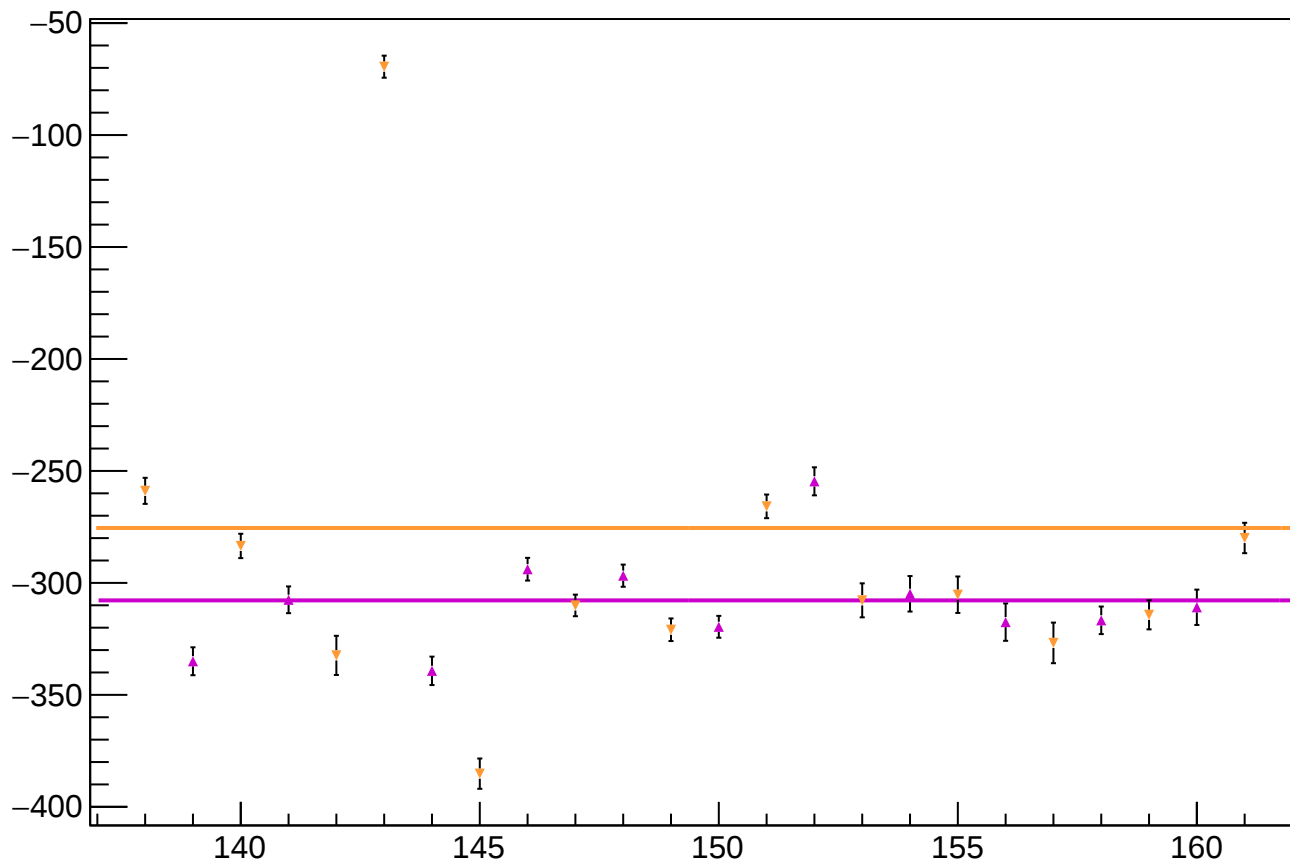
Right Out: 82.595 $\pm$ 0.075 χ^2 /NDF: 765022.5/18

Left In: 120.029 $\pm$ 0.054 χ^2 /NDF: 1974.1/10

123.235 $\pm$ 0.046 χ^2 /NDF: 214226.8/29

107.248 $\pm$ 0.044 χ^2 /NDF: 929437.9/29

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -275.473+/-1.696 χ^2/NDF :2301.7/12

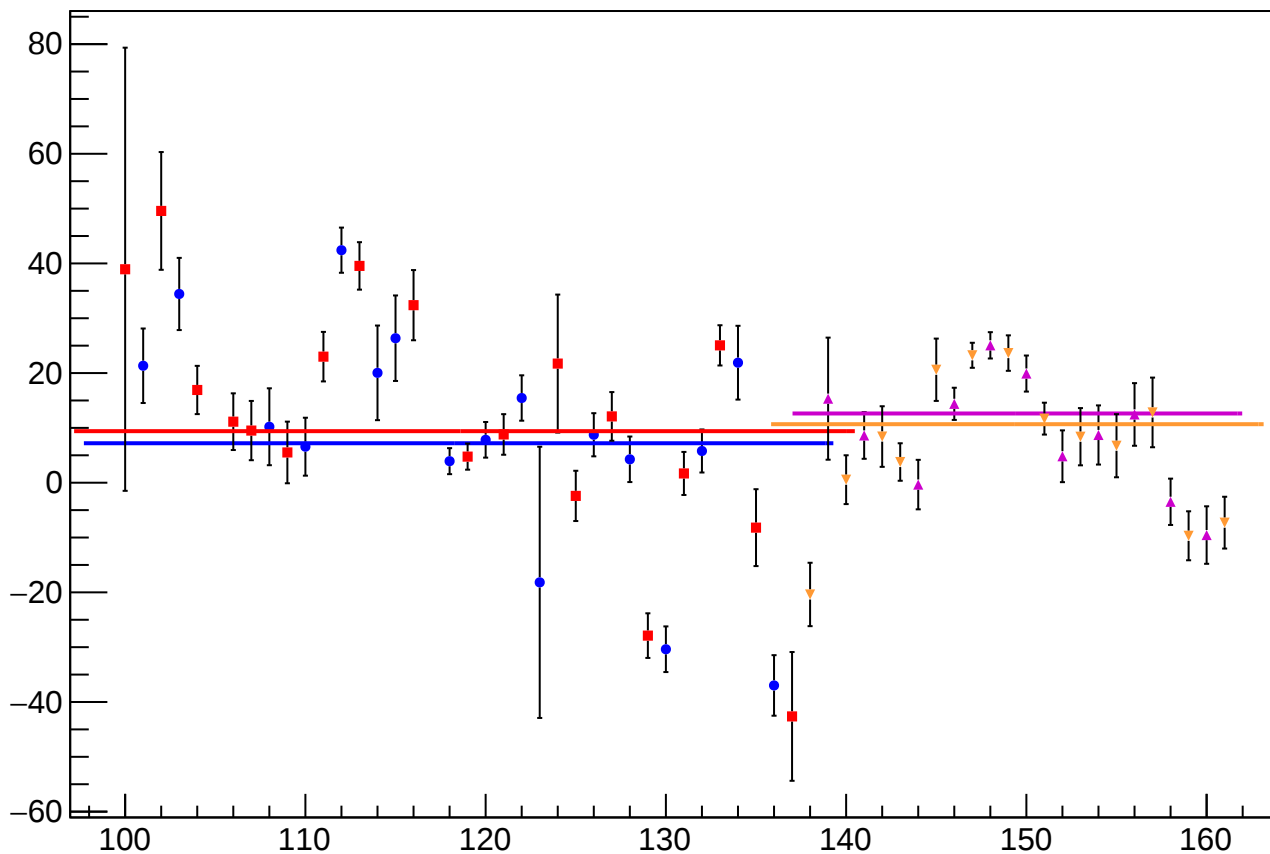
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -307.806+/-1.830 χ^2/NDF :137.8/10

-275.473+/-1.696 χ^2/NDF : 2301.7/12

-307.806+/-1.830 χ^2/NDF : 137.8/10

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 10.674 ± 1.103 χ^2/NDF : 123.8/12

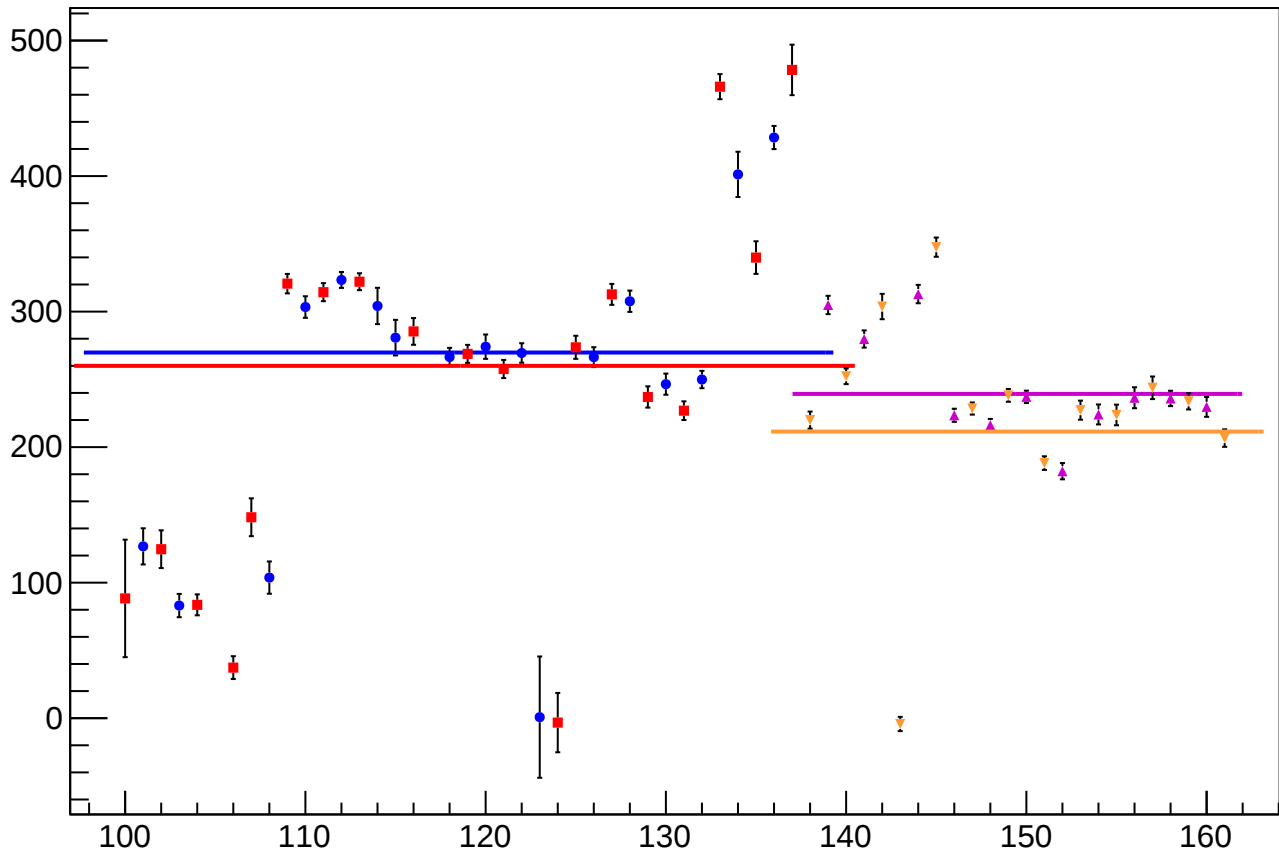
Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

Left In: 12.628 ± 1.198 χ^2/NDF : 76.9/10

8.936 ± 0.780 χ^2/NDF : 389.6/29

10.835 ± 0.799 χ^2/NDF : 313.1/29

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2/NDF : 1374.1/16

Left Out: 211.479 $\pm$ 1.668 χ^2/NDF : 2307.7/12

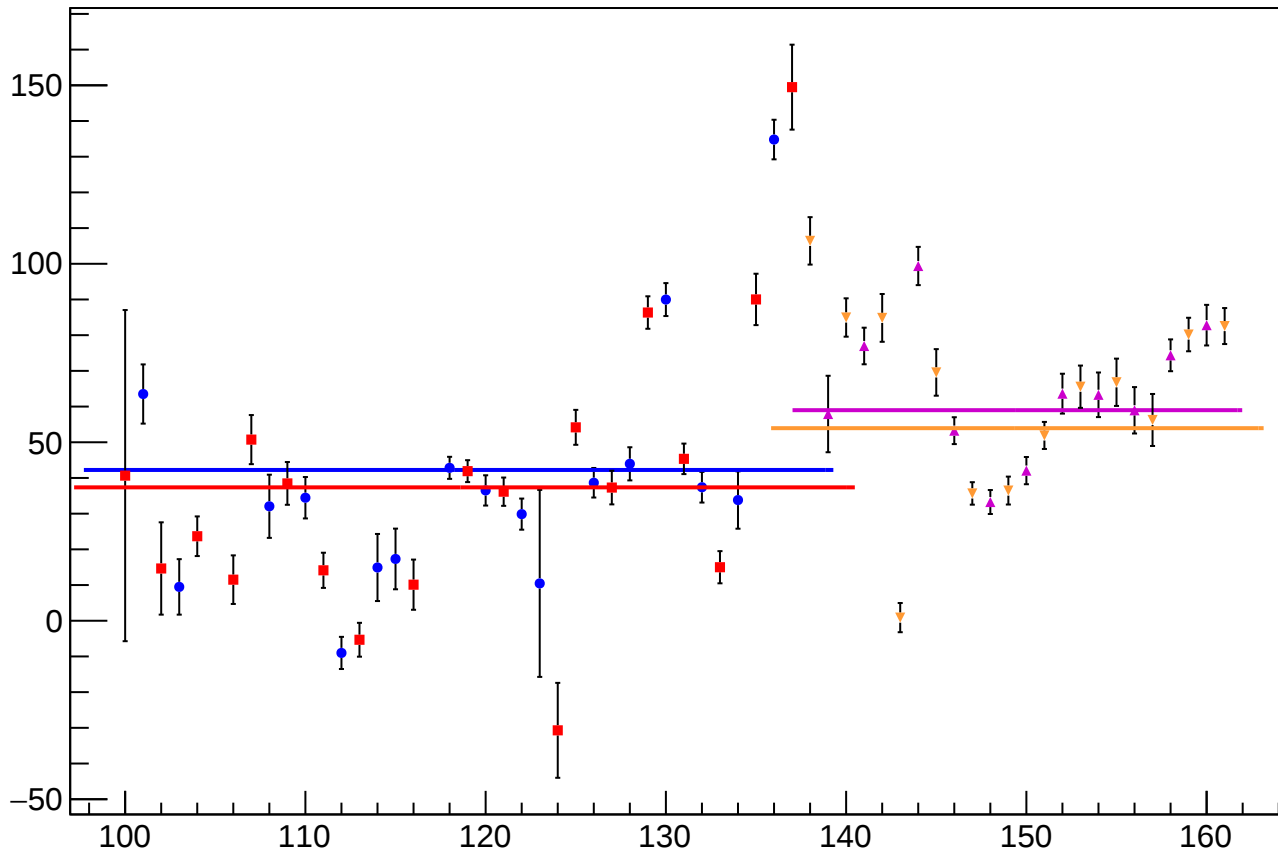
Right Out: 259.980 $\pm$ 1.977 χ^2/NDF : 2538.6/18

Left In: 239.271 $\pm$ 1.773 χ^2/NDF : 385.3/10

234.179 $\pm$ 1.303 χ^2/NDF : 4158.0/29

248.503 $\pm$ 1.320 χ^2/NDF : 2984.7/29

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 53.948 $\pm$ 1.344 χ^2 /NDF: 416.1/12

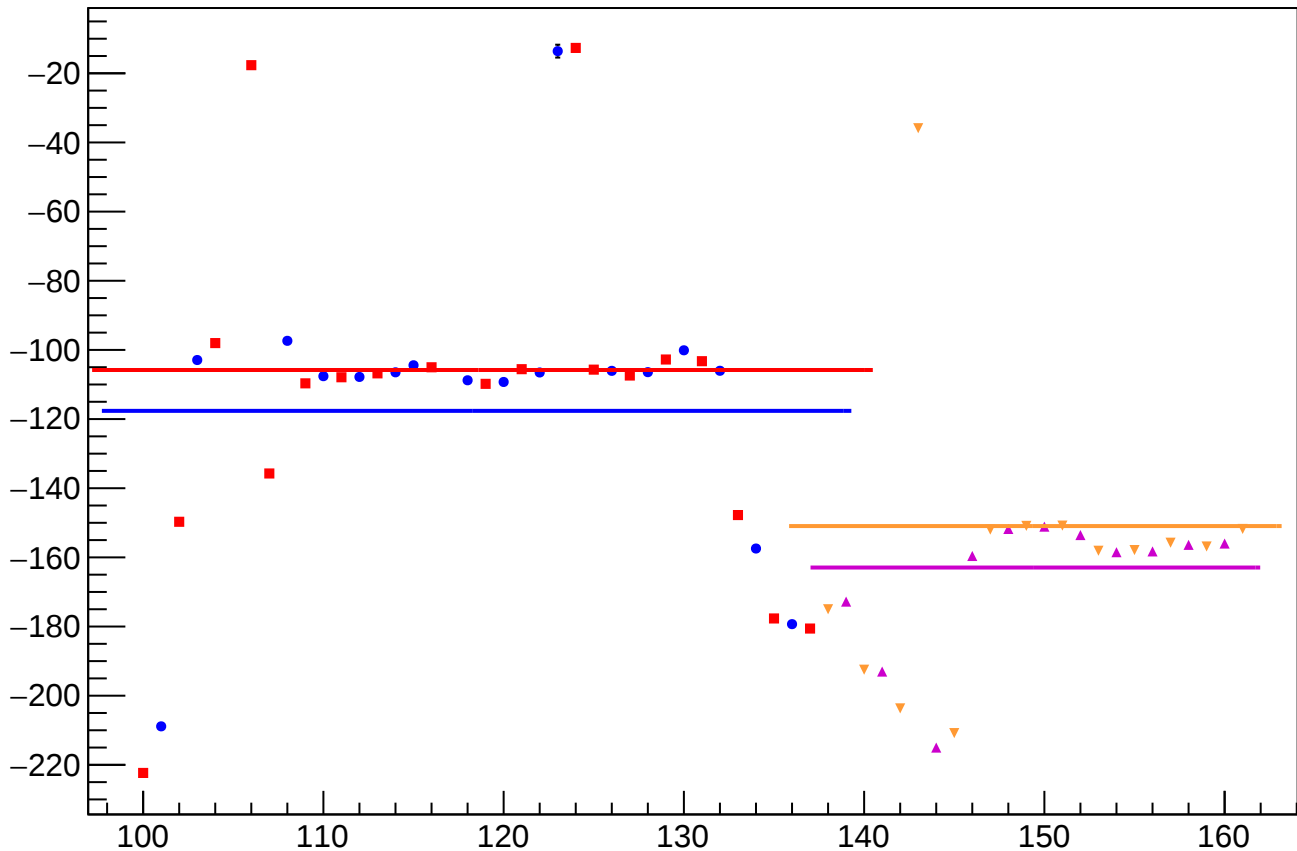
Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

Left In: 58.990 $\pm$ 1.455 χ^2 /NDF: 180.5/10

47.780 $\pm$ 0.924 χ^2 /NDF: 1030.5/29

46.416 $\pm$ 0.941 χ^2 /NDF: 781.2/29

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -150.945+/-0.067 χ^2/NDF : 403236.4/12

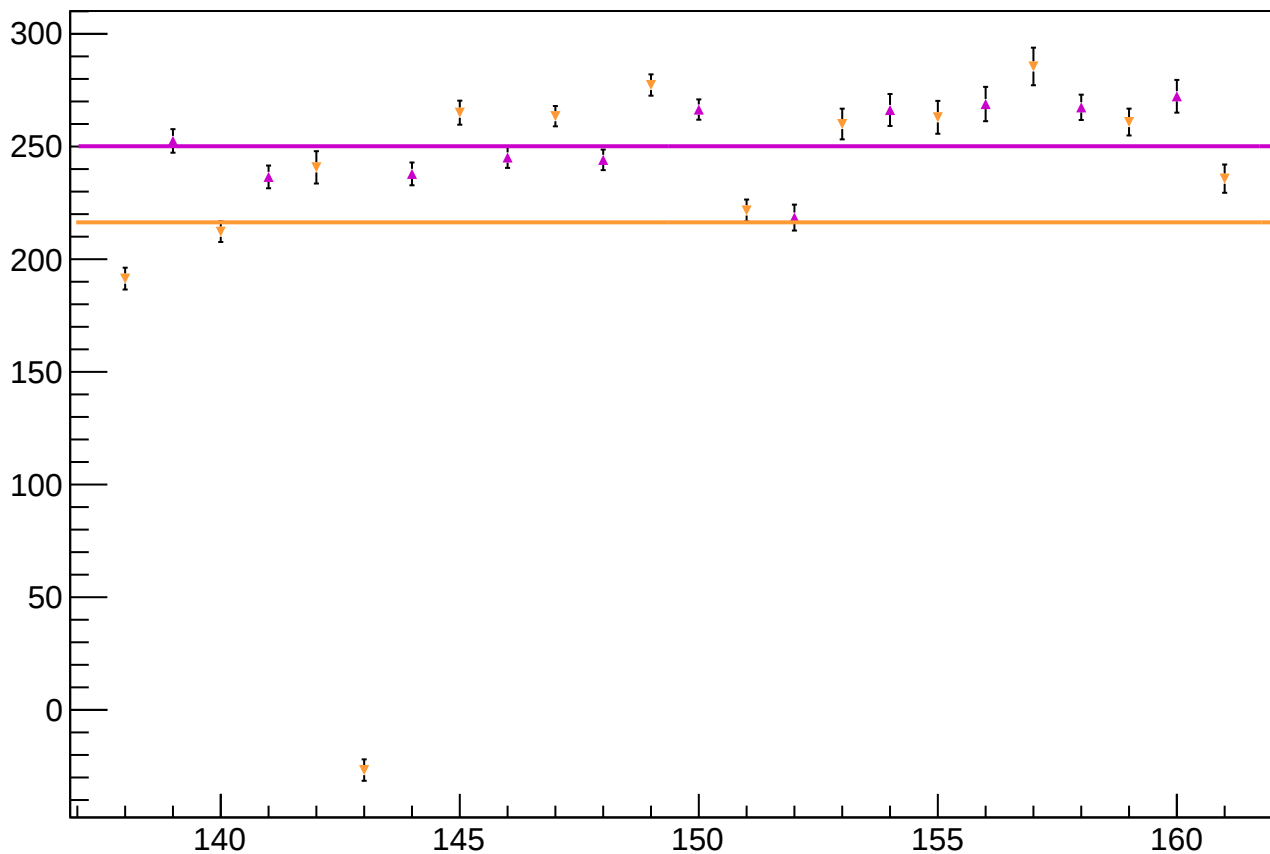
Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

Left In: -162.936+/-0.070 χ^2/NDF : 57087.9/10

-136.899+/-0.051 χ^2/NDF : 649254.0/29

-135.332+/-0.051 χ^2/NDF : 698339.8/29

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 216.361+/-1.518 χ^2/NDF : 3228.7/12

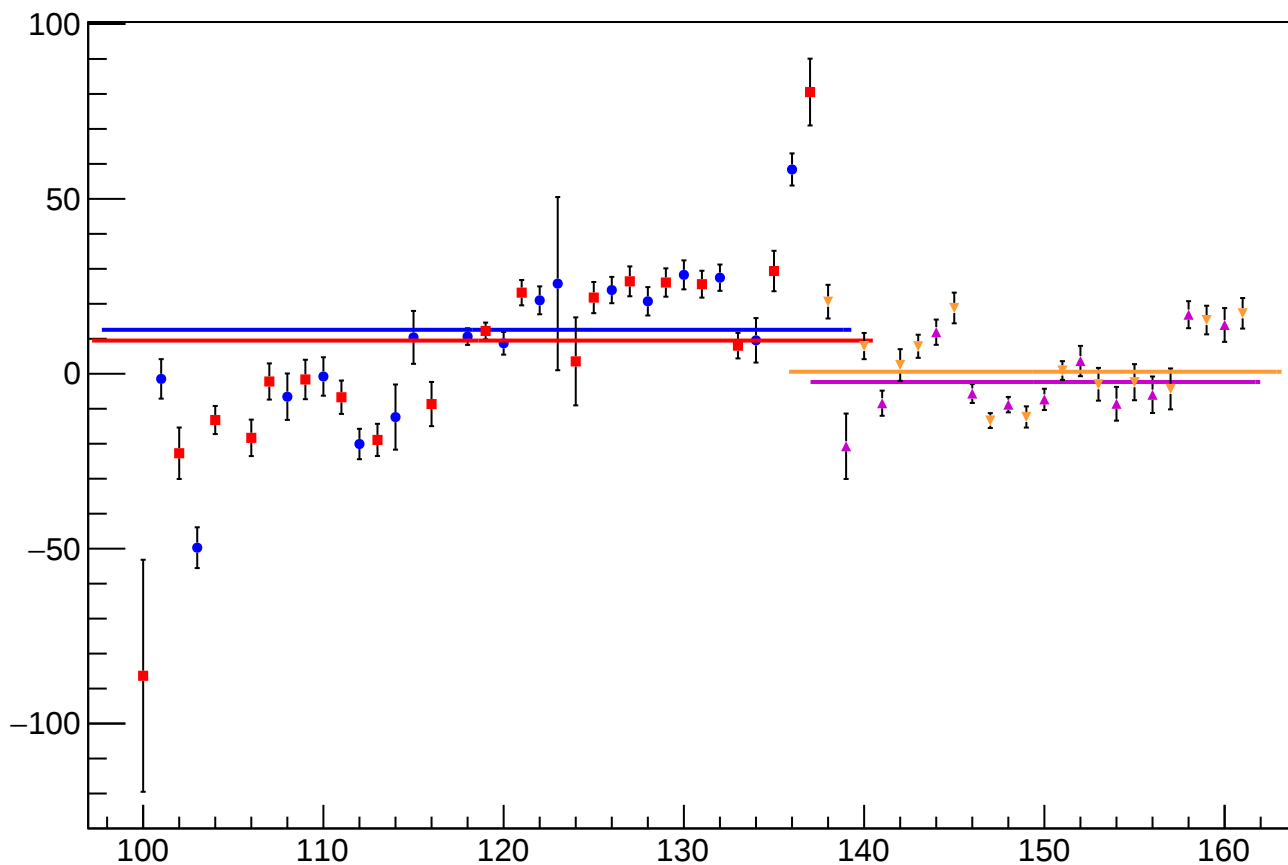
216.361+/-1.518 χ^2/NDF : 3228.7/12

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

250.134+/-1.628 χ^2/NDF : 89.6/10

Left In: 250.134+/-1.628 χ^2/NDF : 89.6/10

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 ± 1.074 $\chi^2/\text{NDF}: 348.0/16$

Left Out: 0.585 ± 1.000 $\chi^2/\text{NDF}: 133.9/12$

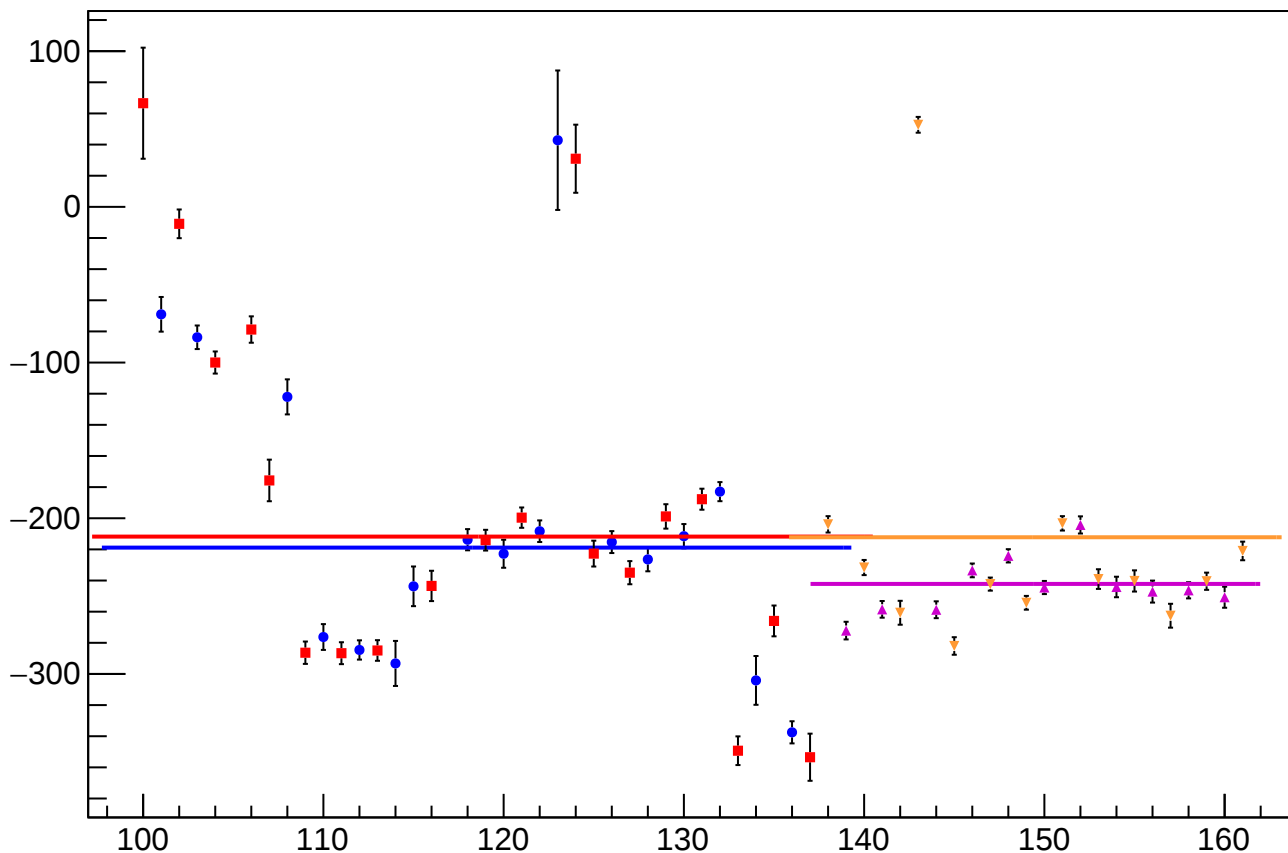
Right Out: 9.493 ± 1.047 $\chi^2/\text{NDF}: 295.8/18$

Left In: -2.347 ± 1.079 $\chi^2/\text{NDF}: 75.3/10$

6.154 ± 0.732 $\chi^2/\text{NDF}: 548.6/29$

3.749 ± 0.752 $\chi^2/\text{NDF}: 433.1/29$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -212.208 ± 1.500 $\chi^2/\text{NDF}: 3188.4/12$

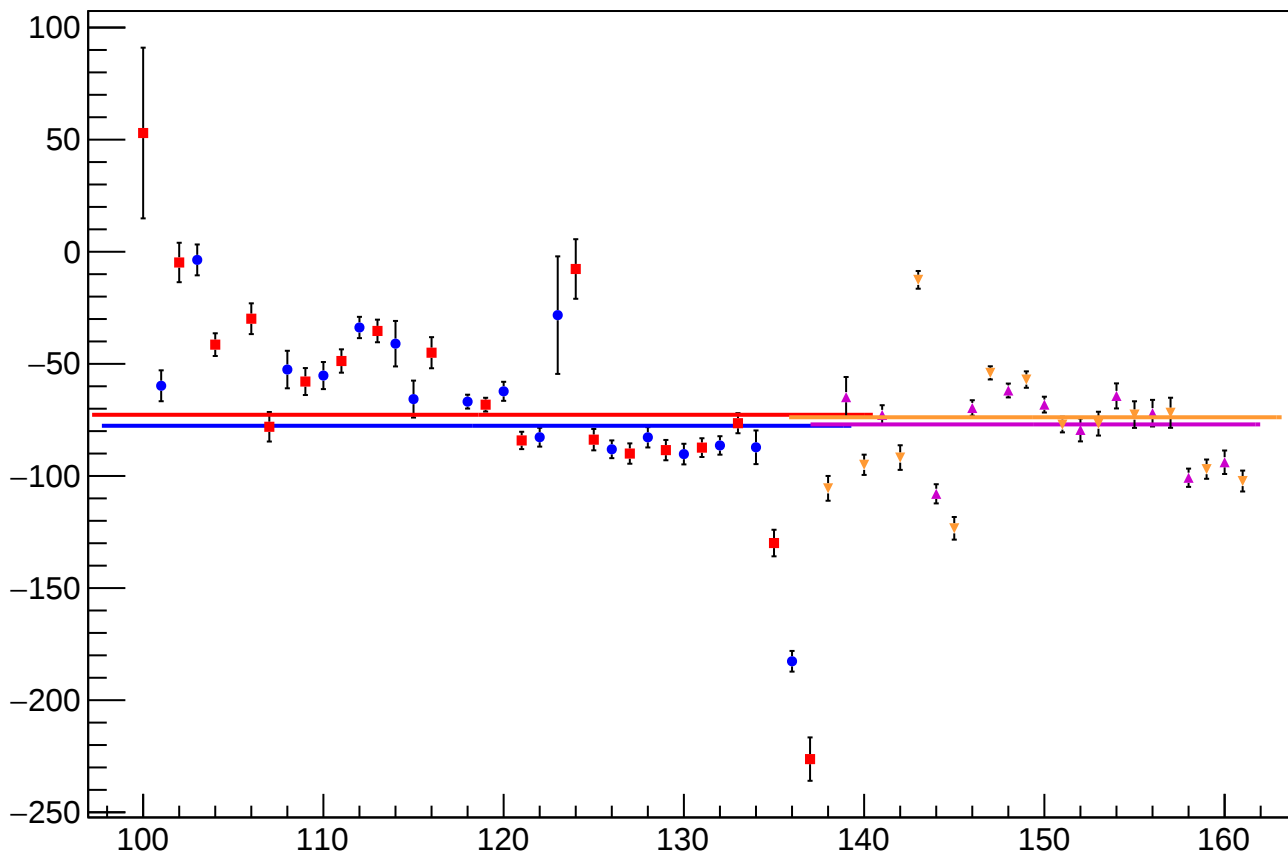
Right Out: -211.780 ± 1.924 $\chi^2/\text{NDF}: 1885.2/18$

Left In: -242.175 ± 1.586 $\chi^2/\text{NDF}: 118.8/10$

-214.566 ± 1.205 $\chi^2/\text{NDF}: 4341.9/29$

-229.873 ± 1.224 $\chi^2/\text{NDF}: 2152.6/29$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 $\chi^2/\text{NDF}: 815.9/16$

Left Out: -73.814 ± 1.216 $\chi^2/\text{NDF}: 536.2/12$

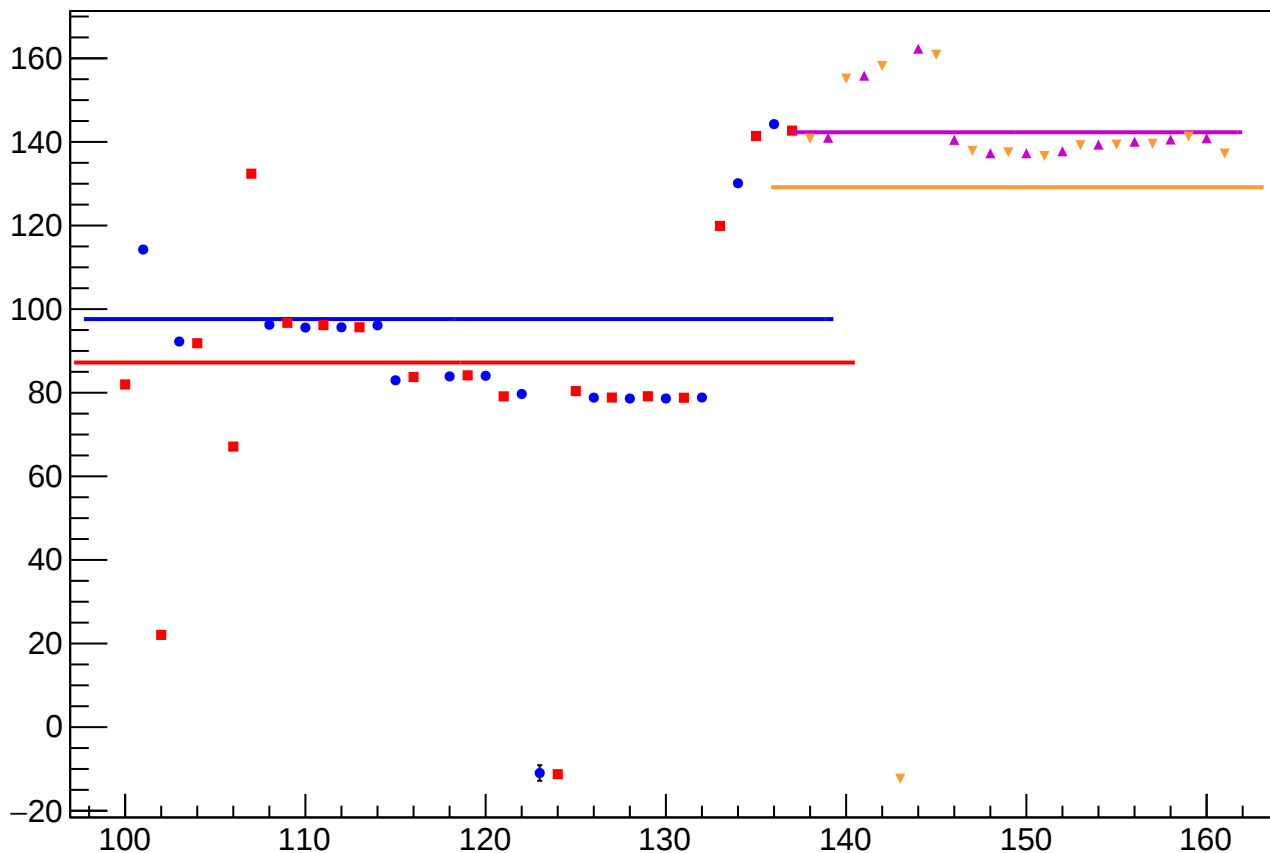
Right Out: -72.710 ± 1.206 $\chi^2/\text{NDF}: 671.4/18$

Left In: -77.004 ± 1.308 $\chi^2/\text{NDF}: 140.5/10$

-75.680 ± 0.867 $\chi^2/\text{NDF}: 1356.9/29$

-74.684 ± 0.887 $\chi^2/\text{NDF}: 817.7/29$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620+/-0.074 χ^2/NDF : 94045.2/16

Left Out: 129.164+/-0.060 χ^2/NDF : 548438.1/12

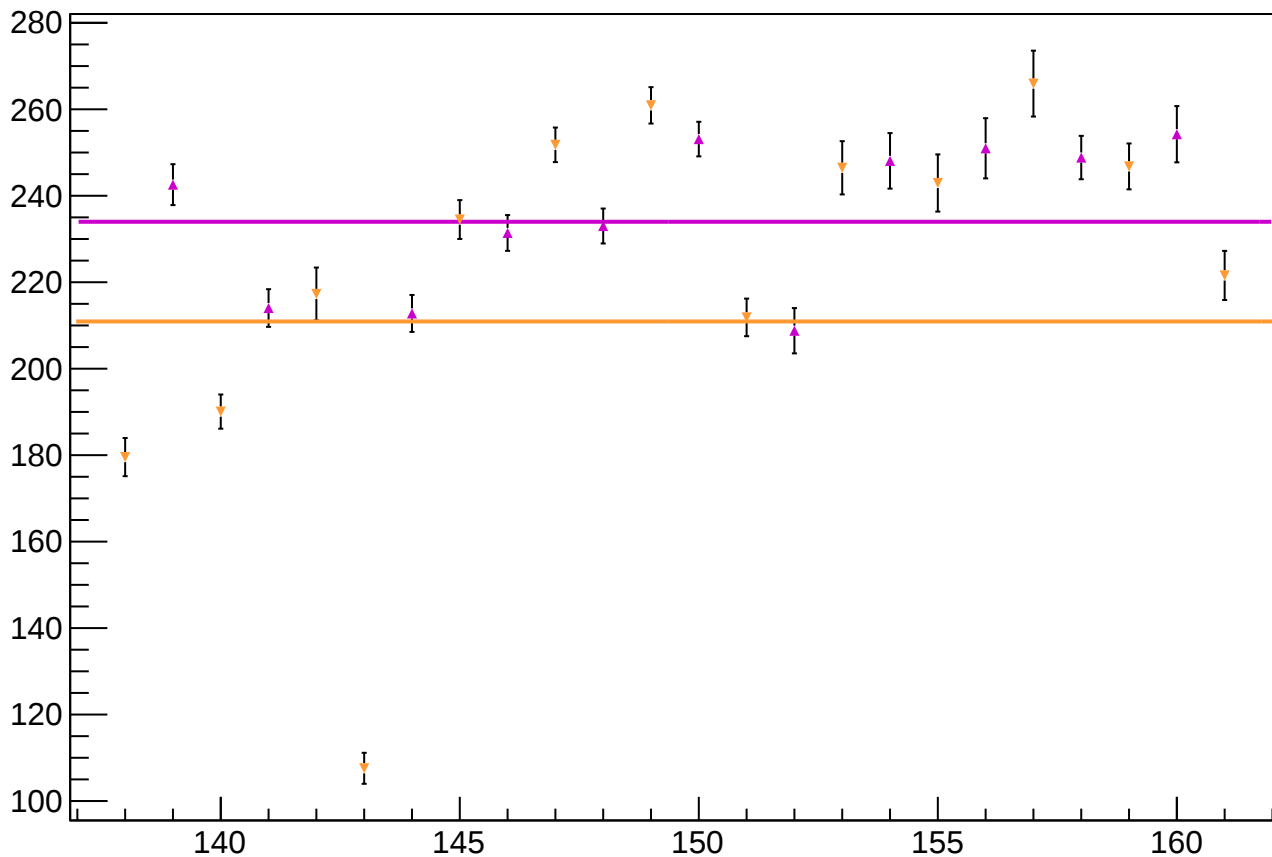
Right Out: 87.226+/-0.068 χ^2/NDF : 220850.5/18

Left In: 142.311+/-0.063 χ^2/NDF : 13512.7/10

116.541+/-0.047 χ^2/NDF : 752331.2/29

116.996+/-0.046 χ^2/NDF : 586220.8/29

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: 210.926+/-1.320 χ^2/NDF :1341.7/12

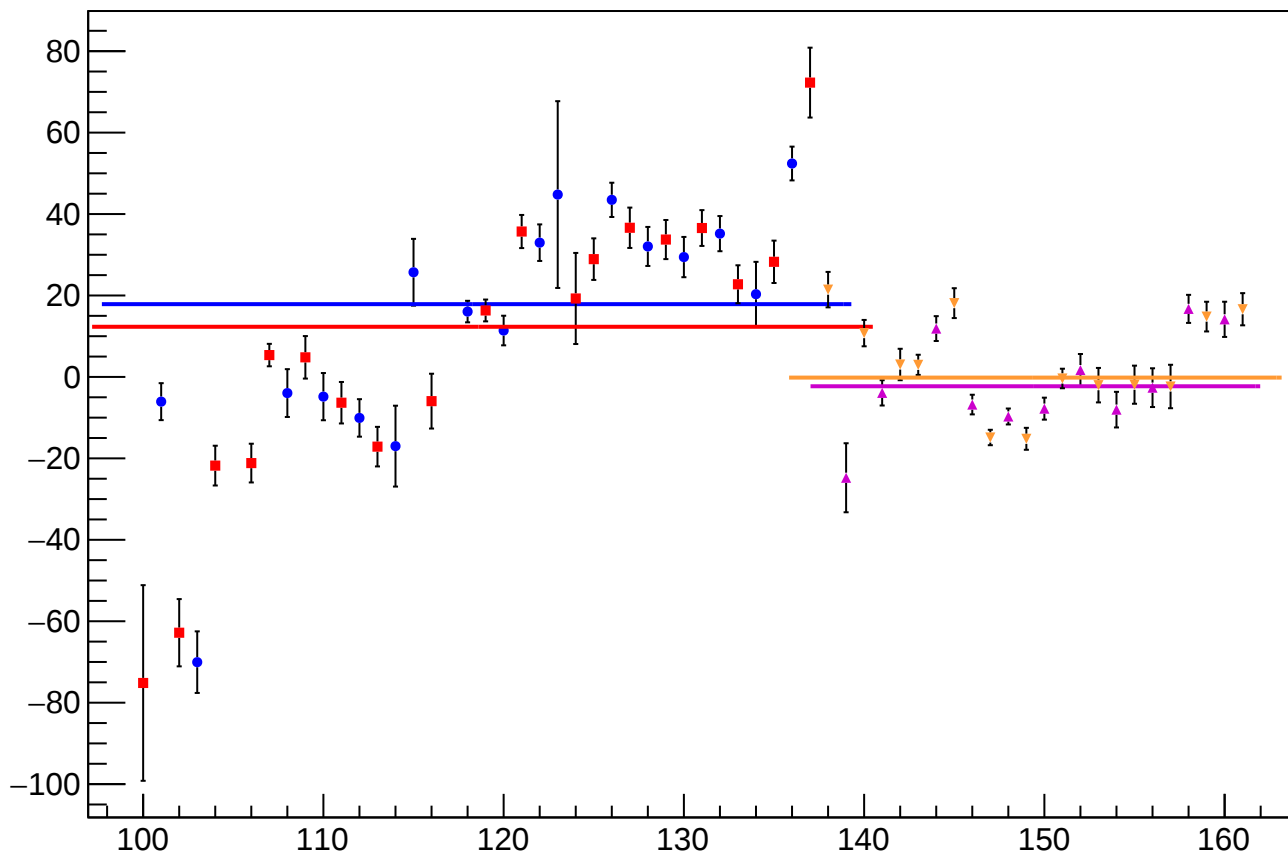
210.926+/-1.320 χ^2/NDF : 1341.7/12

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

233.983+/-1.445 χ^2/NDF : 124.6/10

Left In: 233.983+/-1.445 χ^2/NDF :124.6/10

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.872 $\pm$ 1.166 χ^2/NDF : 395.3/16

Left Out: -0.164 $\pm$ 0.871 χ^2/NDF :190.0/12

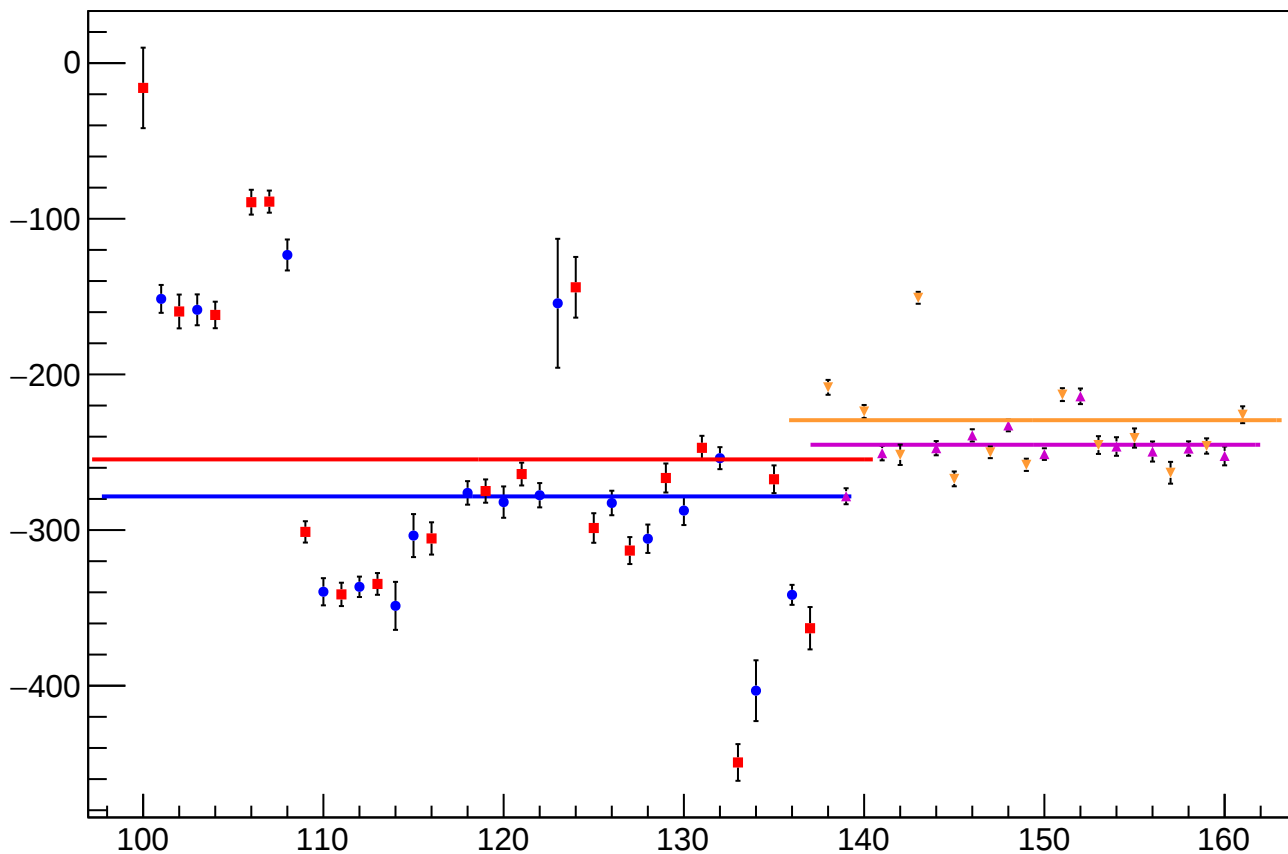
Right Out: 12.317 $\pm$ 1.083 χ^2/NDF : 444.0/18

Left In: -2.293 $\pm$ 0.956 χ^2/NDF :98.5/10

6.294 $\pm$ 0.698 χ^2/NDF : 739.0/29

4.105 $\pm$ 0.717 χ^2/NDF : 644.8/29

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: -229.408 $\pm$ 1.310 χ^2/NDF : 663.4/12

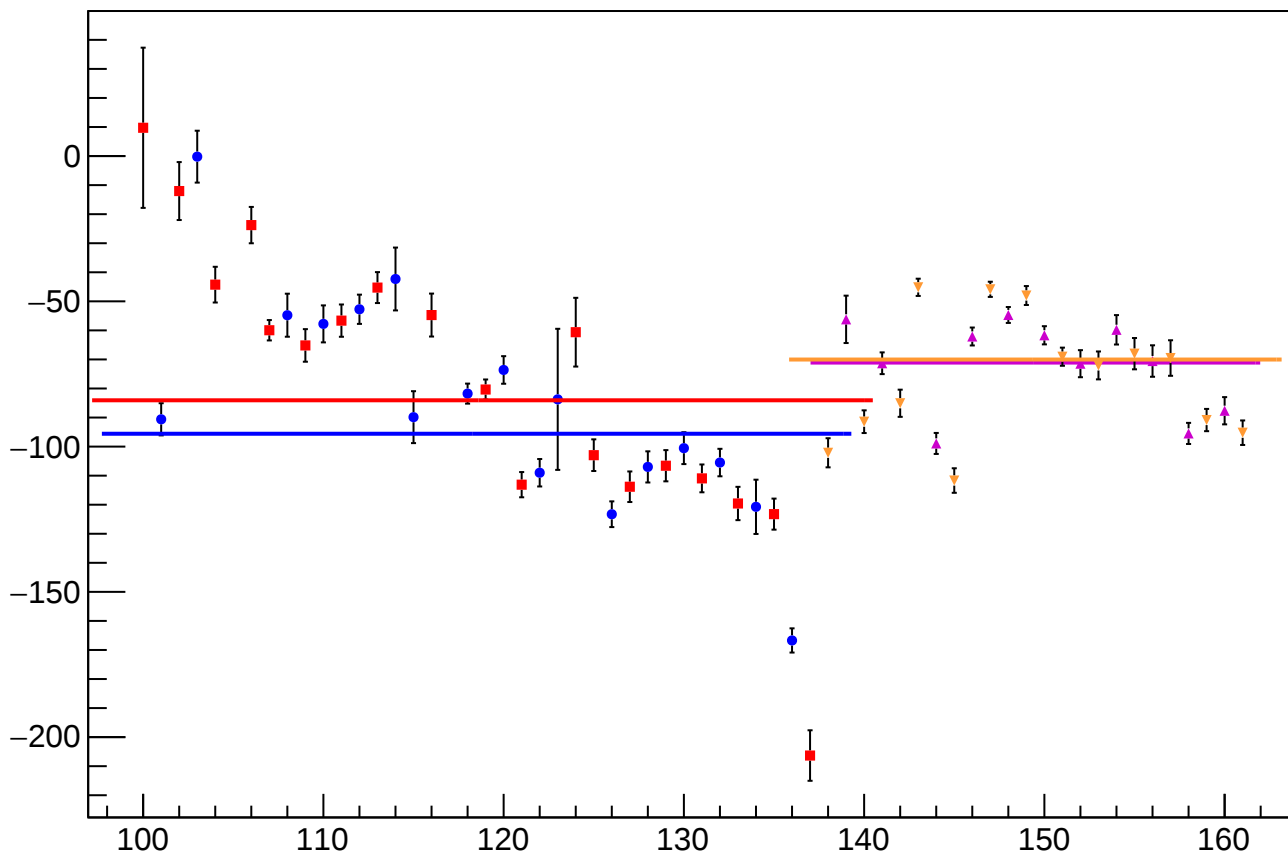
Right Out: -254.603 $\pm$ 2.020 χ^2/NDF : 2037.5/18

Left In: -245.192 $\pm$ 1.410 χ^2/NDF : 99.5/10

-242.352 $\pm$ 1.123 χ^2/NDF : 1943.6/29

-248.274 $\pm$ 1.156 χ^2/NDF : 2151.6/29

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: -70.032 ± 1.058 $\chi^2/\text{NDF}: 445.8/12$

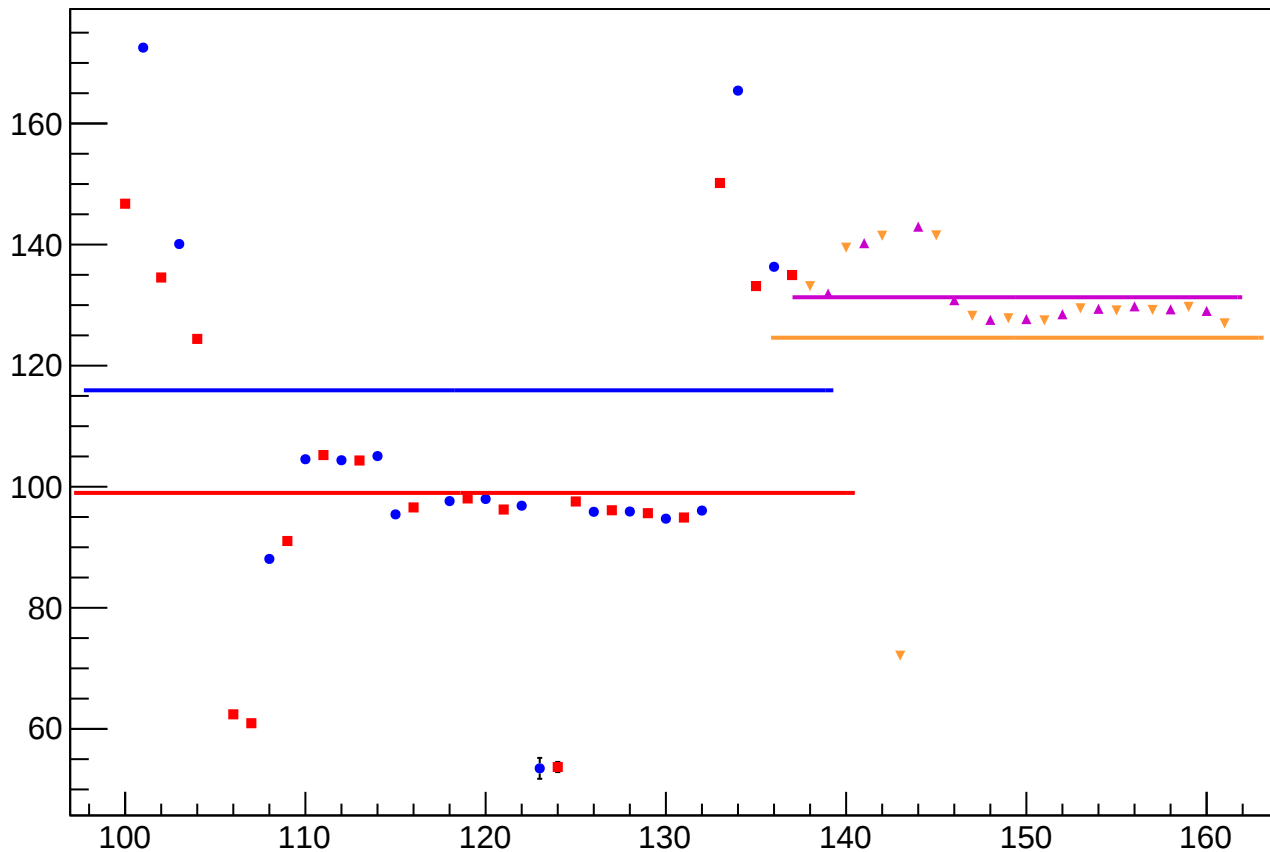
Right Out: -84.062 ± 1.257 $\chi^2/\text{NDF}: 783.2/18$

Left In: -71.078 ± 1.160 $\chi^2/\text{NDF}: 178.4/10$

-79.839 ± 0.831 $\chi^2/\text{NDF}: 1340.7/29$

-77.049 ± 0.852 $\chi^2/\text{NDF}: 1019.2/29$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.927 $\pm$ 0.078 χ^2/NDF : 105791.4/16

Left Out: 124.615 $\pm$ 0.053 χ^2/NDF :141384.7/12

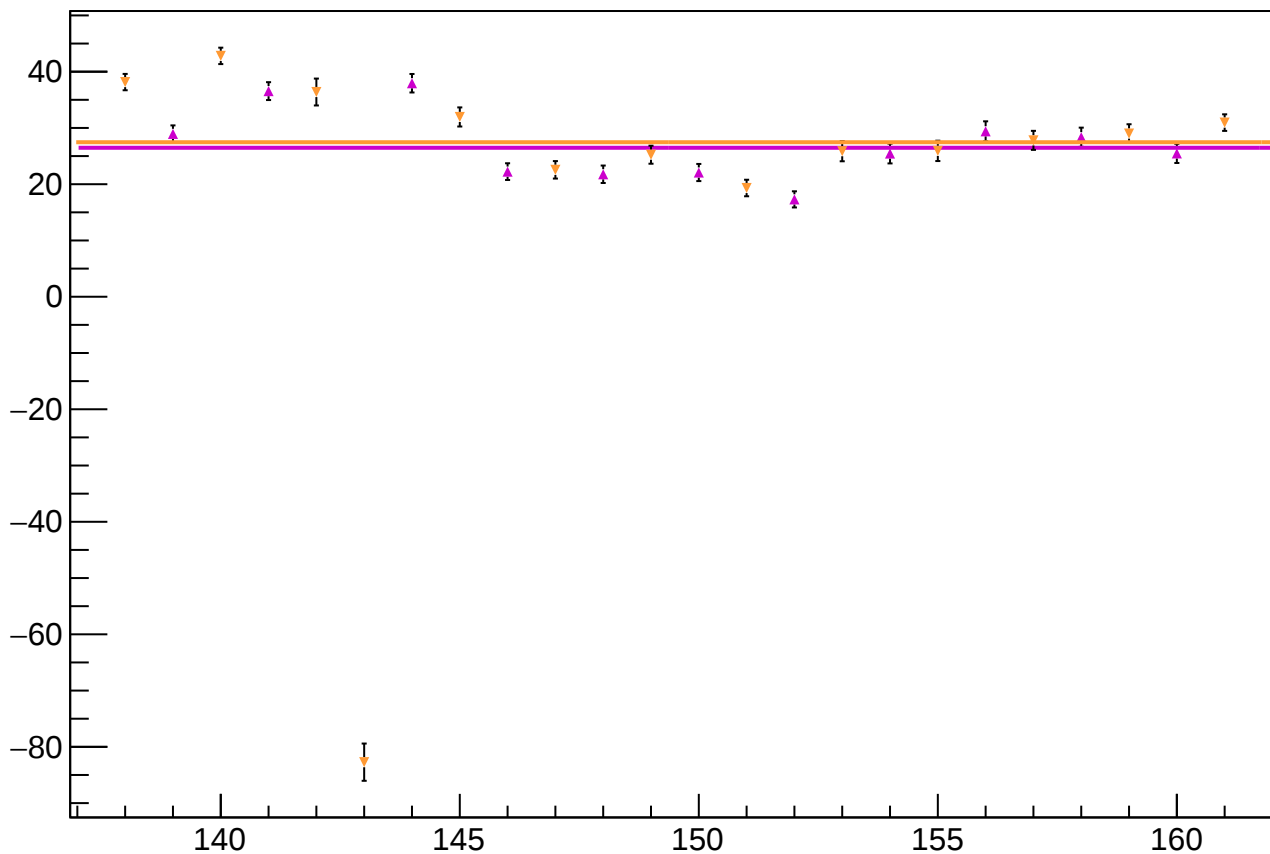
Right Out: 98.981 $\pm$ 0.069 χ^2/NDF : 172974.2/18

Left In: 131.299 $\pm$ 0.056 χ^2/NDF :7321.8/10

121.914 $\pm$ 0.044 χ^2/NDF : 255634.0/29

118.344 $\pm$ 0.043 χ^2/NDF : 313461.5/29

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



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

Left Out: 27.462+/-0.465 χ^2/NDF :1344.1/12

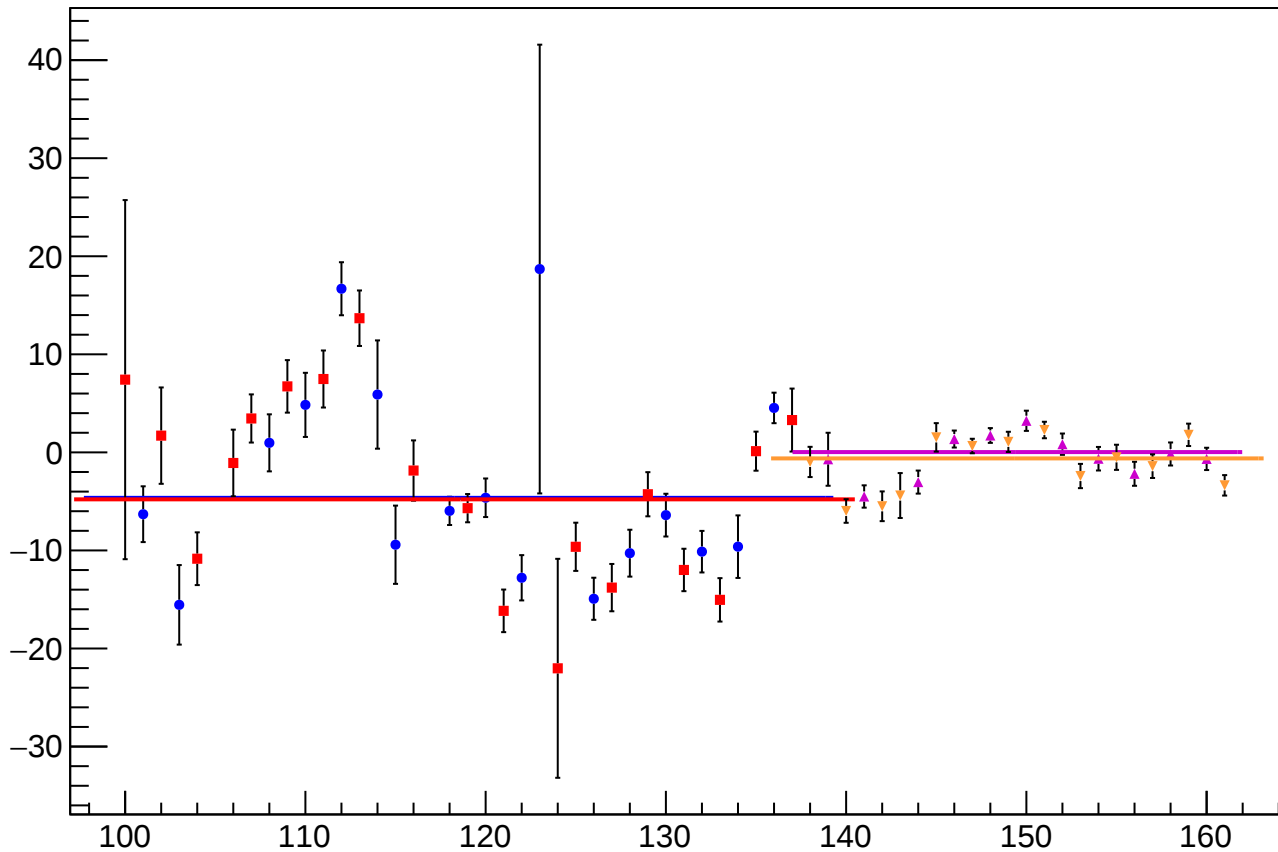
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 26.477+/-0.481 χ^2/NDF :162.8/10

27.462+/-0.465 χ^2/NDF : 1344.1/12

26.477+/-0.481 χ^2/NDF : 162.8/10

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637+/-0.588 χ^2/NDF : 174.4/16

Left Out: -0.615+/-0.316 χ^2/NDF : 66.6/12

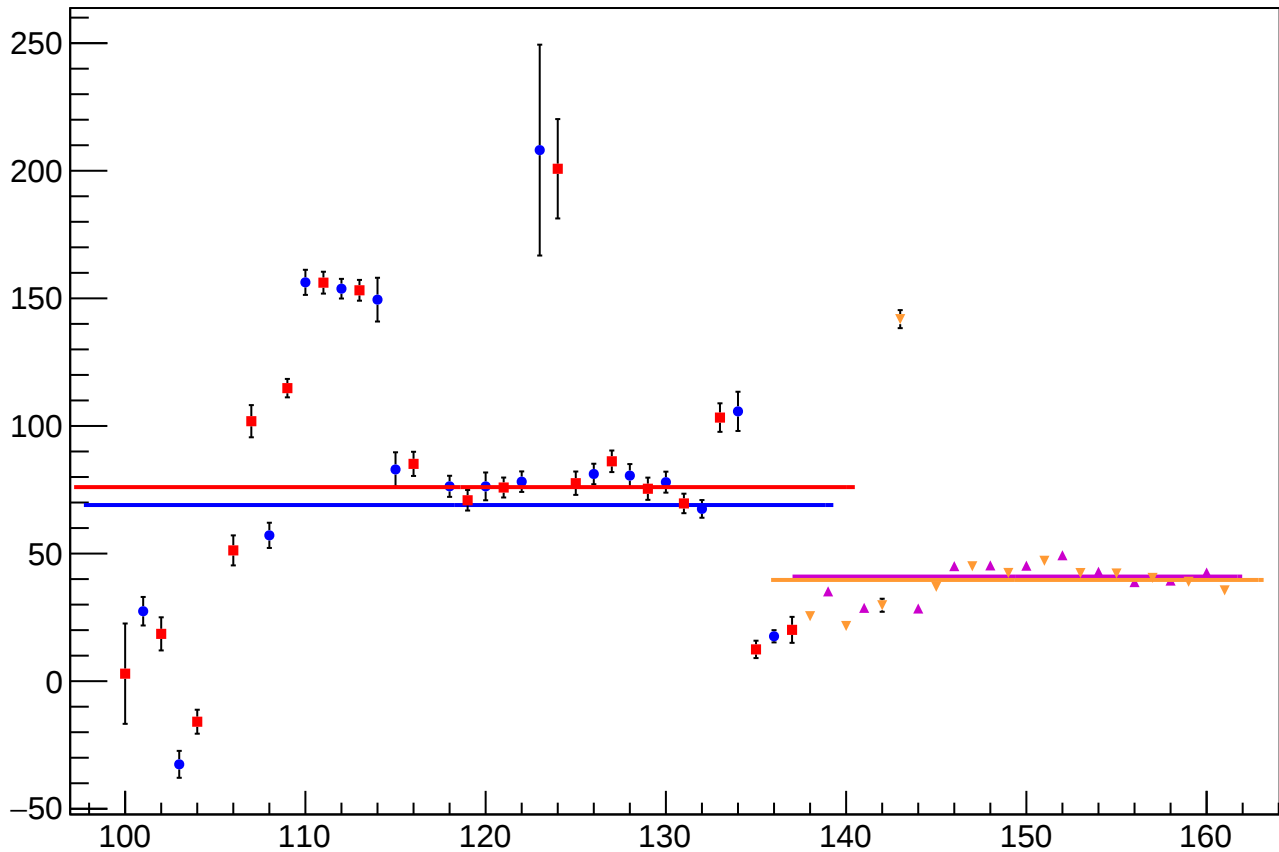
Right Out: -4.791+/-0.585 χ^2/NDF : 192.5/18

Left In: 0.030+/-0.327 χ^2/NDF : 44.2/10

-1.515+/-0.278 χ^2/NDF : 277.4/29

-1.117+/-0.285 χ^2/NDF : 288.6/29

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019+/-1.083 χ^2/NDF : 1848.0/16

Left Out: 39.666+/-0.454 χ^2/NDF : 1129.2/12

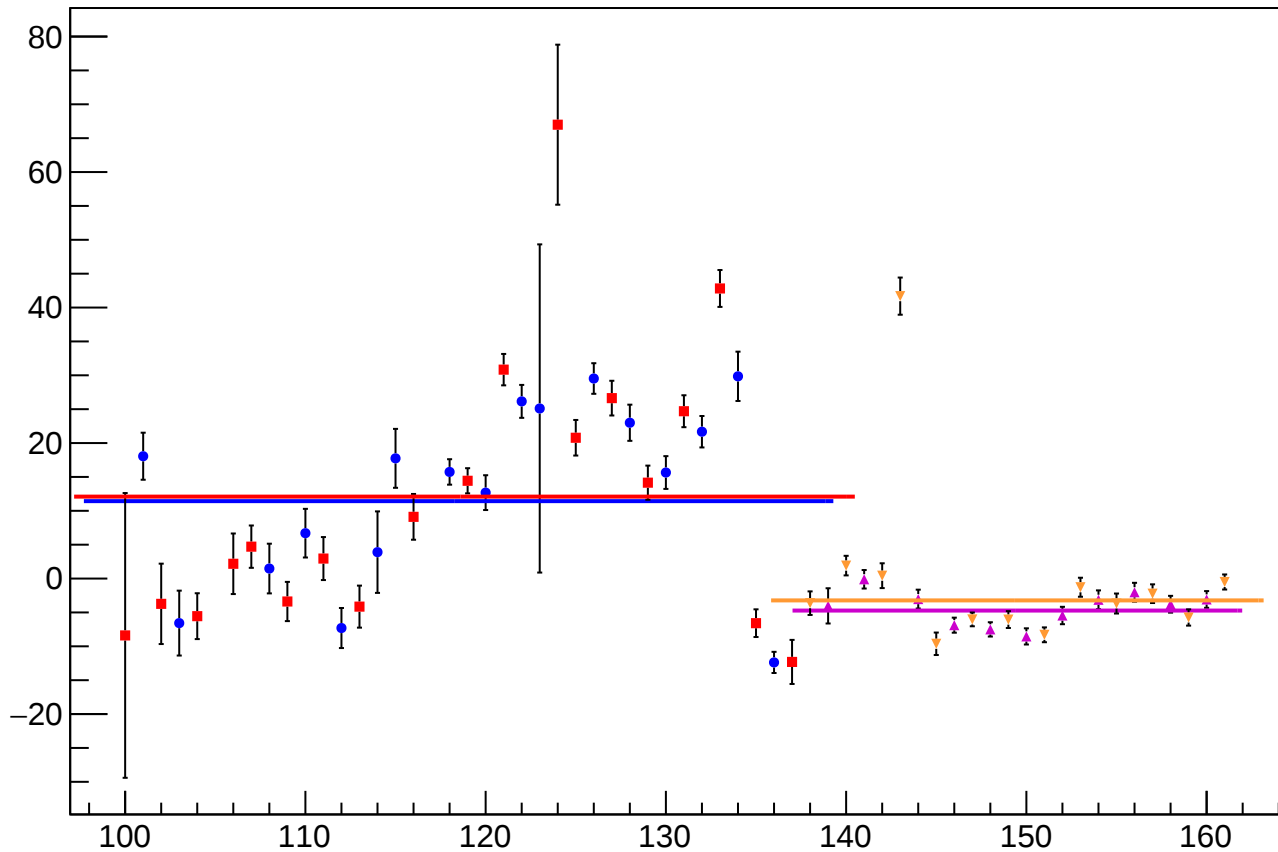
Right Out: 76.041+/-1.070 χ^2/NDF : 1881.9/18

Left In: 40.991+/-0.467 χ^2/NDF : 184.2/10

44.057+/-0.419 χ^2/NDF : 3601.4/29

46.599+/-0.428 χ^2/NDF : 2967.7/29

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: -3.223 $\pm$ 0.377 χ^2/NDF : 346.9/12

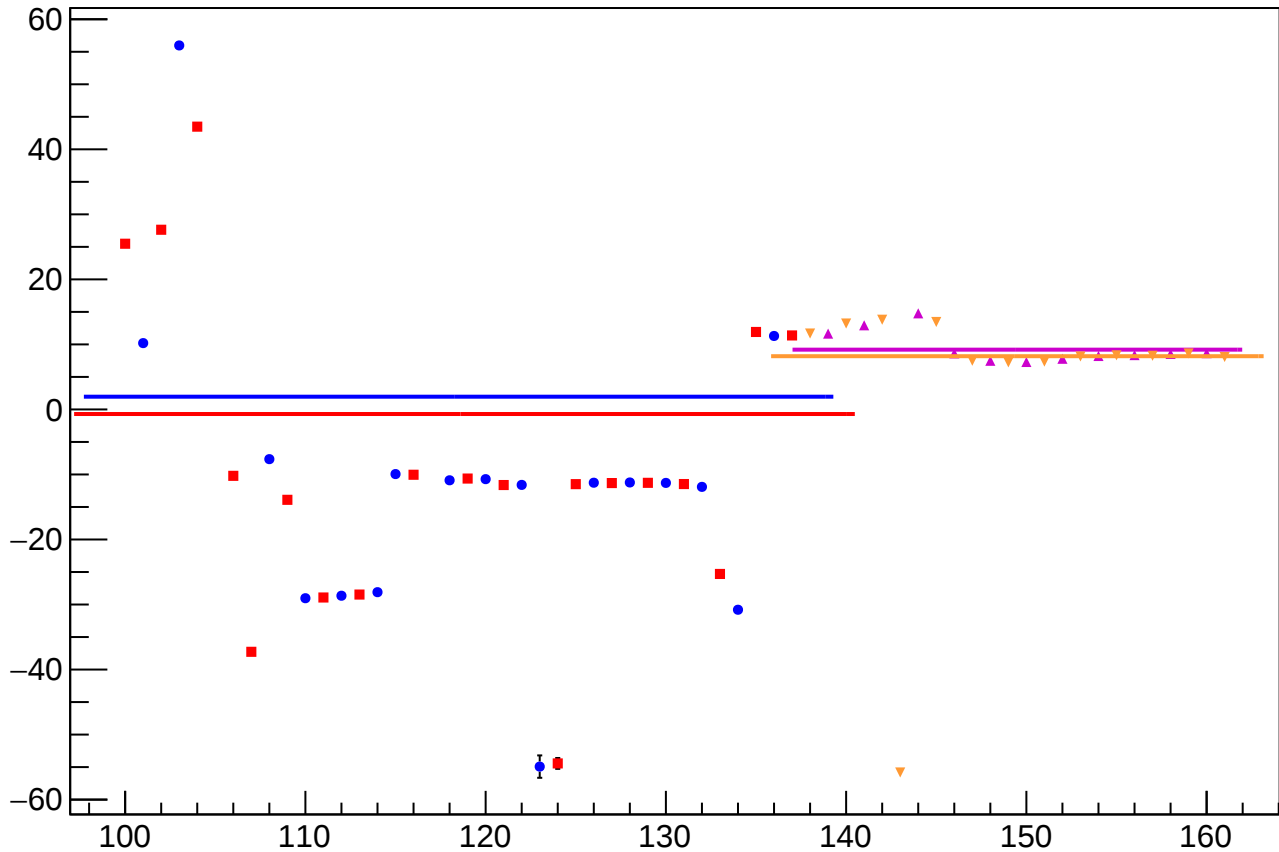
Right Out: 12.095 $\pm$ 0.664 χ^2/NDF : 539.1/18

Left In: -4.723 $\pm$ 0.390 χ^2/NDF : 41.7/10

0.330 $\pm$ 0.328 χ^2/NDF : 1190.9/29

-0.404 $\pm$ 0.336 χ^2/NDF : 1057.6/29

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 ± 0.037 $\chi^2/\text{NDF}: 358457.0/16$

Left Out: 8.186 ± 0.018 $\chi^2/\text{NDF}: 222510.2/12$

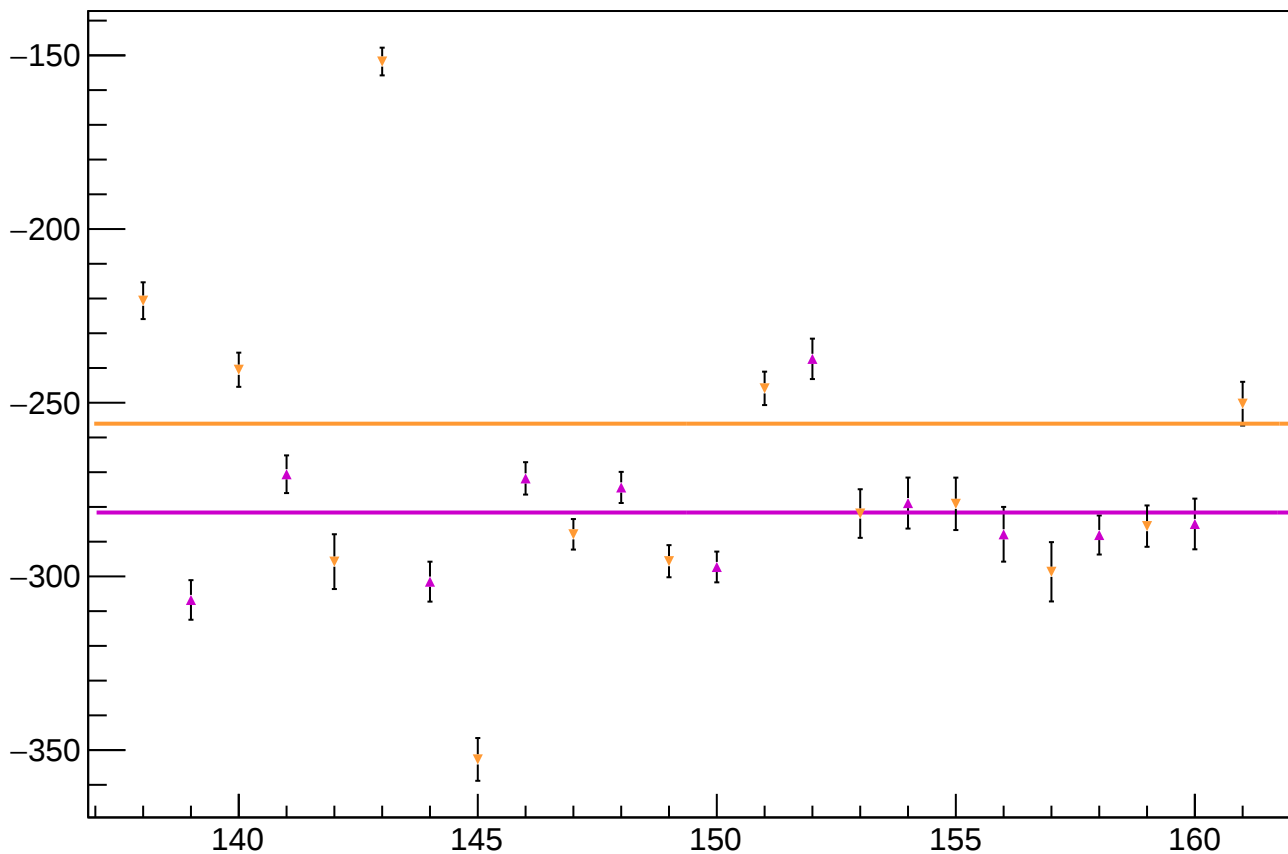
Right Out: -0.704 ± 0.037 $\chi^2/\text{NDF}: 361168.6/18$

Left In: 9.193 ± 0.018 $\chi^2/\text{NDF}: 13380.8/10$

7.034 ± 0.016 $\chi^2/\text{NDF}: 603857.8/29$

7.286 ± 0.016 $\chi^2/\text{NDF}: 431931.0/29$

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: -256.031+/-1.526 χ^2/NDF :1213.1/12

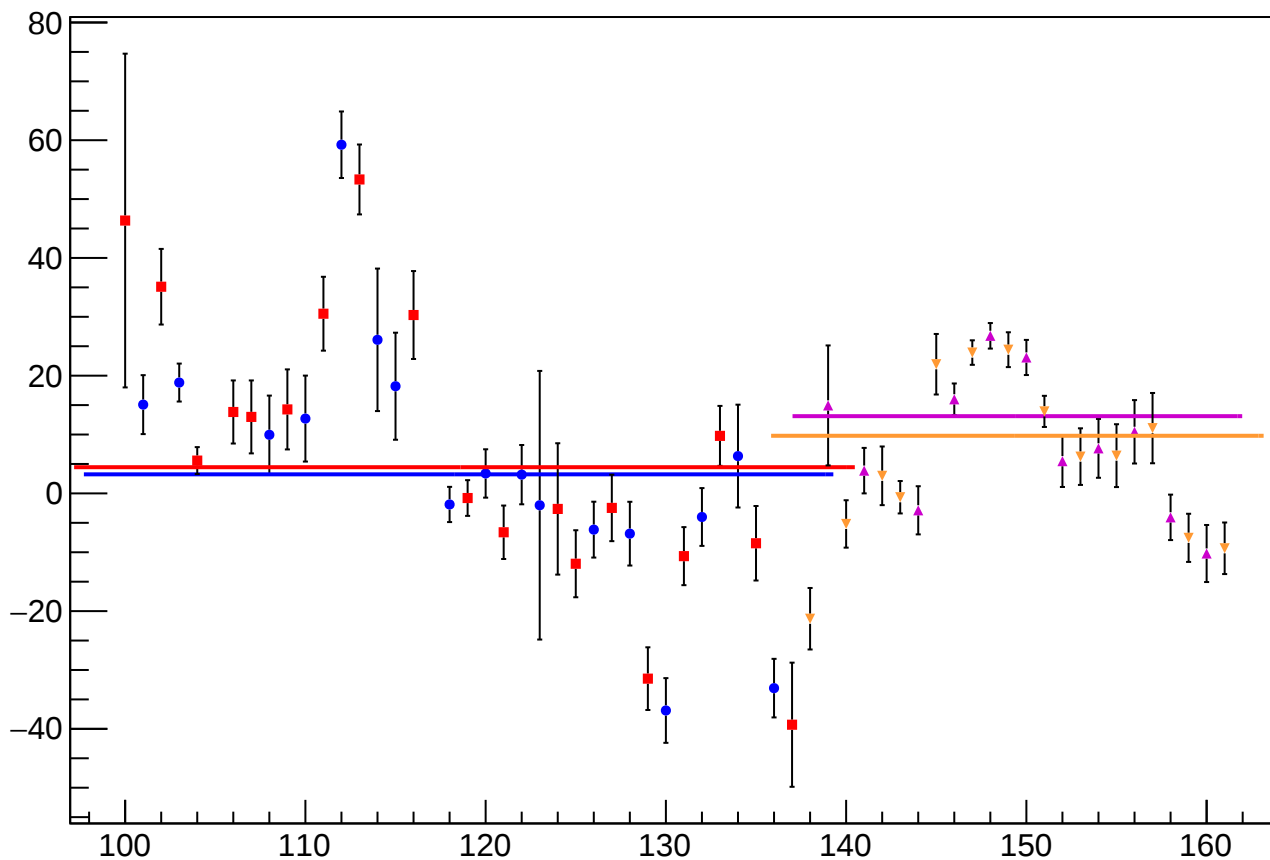
-256.031+/-1.526 χ^2/NDF : 1213.1/12

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

Left In: -281.607+/-1.675 χ^2/NDF :115.3/10

-281.607+/-1.675 χ^2/NDF : 115.3/10

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 ± 1.244 $\chi^2/\text{NDF}: 255.3/16$

Left Out: 9.789 ± 0.993 $\chi^2/\text{NDF}: 182.0/12$

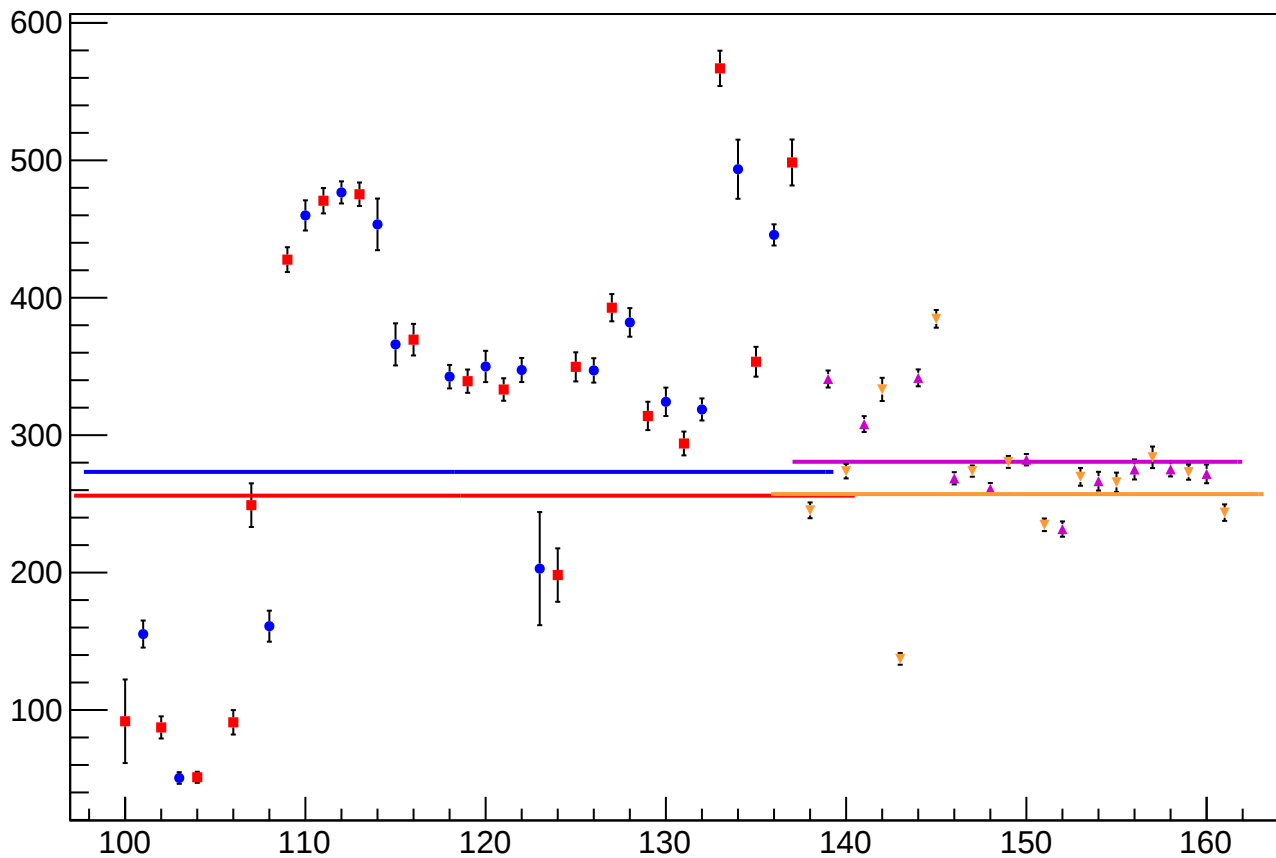
Right Out: 4.450 ± 1.157 $\chi^2/\text{NDF}: 225.8/18$

Left In: 13.121 ± 1.094 $\chi^2/\text{NDF}: 120.4/10$

7.238 ± 0.776 $\chi^2/\text{NDF}: 454.2/29$

9.027 ± 0.795 $\chi^2/\text{NDF}: 375.8/29$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 ± 2.205 $\chi^2/\text{NDF}: 5101.5/16$

Left Out: 257.116 ± 1.505 $\chi^2/\text{NDF}: 1379.1/12$

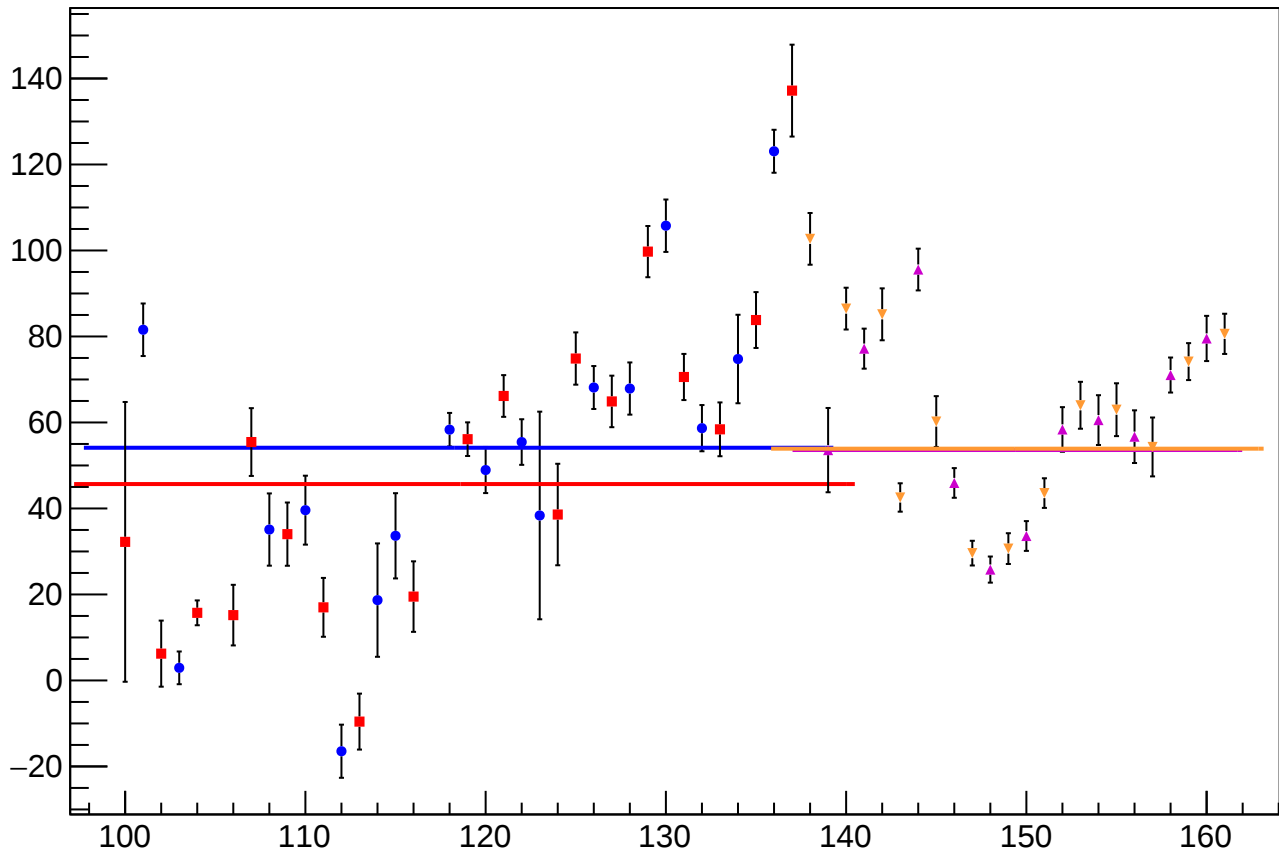
Right Out: 255.985 ± 2.080 $\chi^2/\text{NDF}: 6438.4/18$

Left In: 280.642 ± 1.623 $\chi^2/\text{NDF}: 330.5/10$

262.255 ± 1.243 $\chi^2/\text{NDF}: 6517.2/29$

271.307 ± 1.280 $\chi^2/\text{NDF}: 6856.3/29$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119+/-1.438 χ^2/NDF : 633.9/16

Left Out: 53.903+/-1.210 χ^2/NDF : 333.6/12

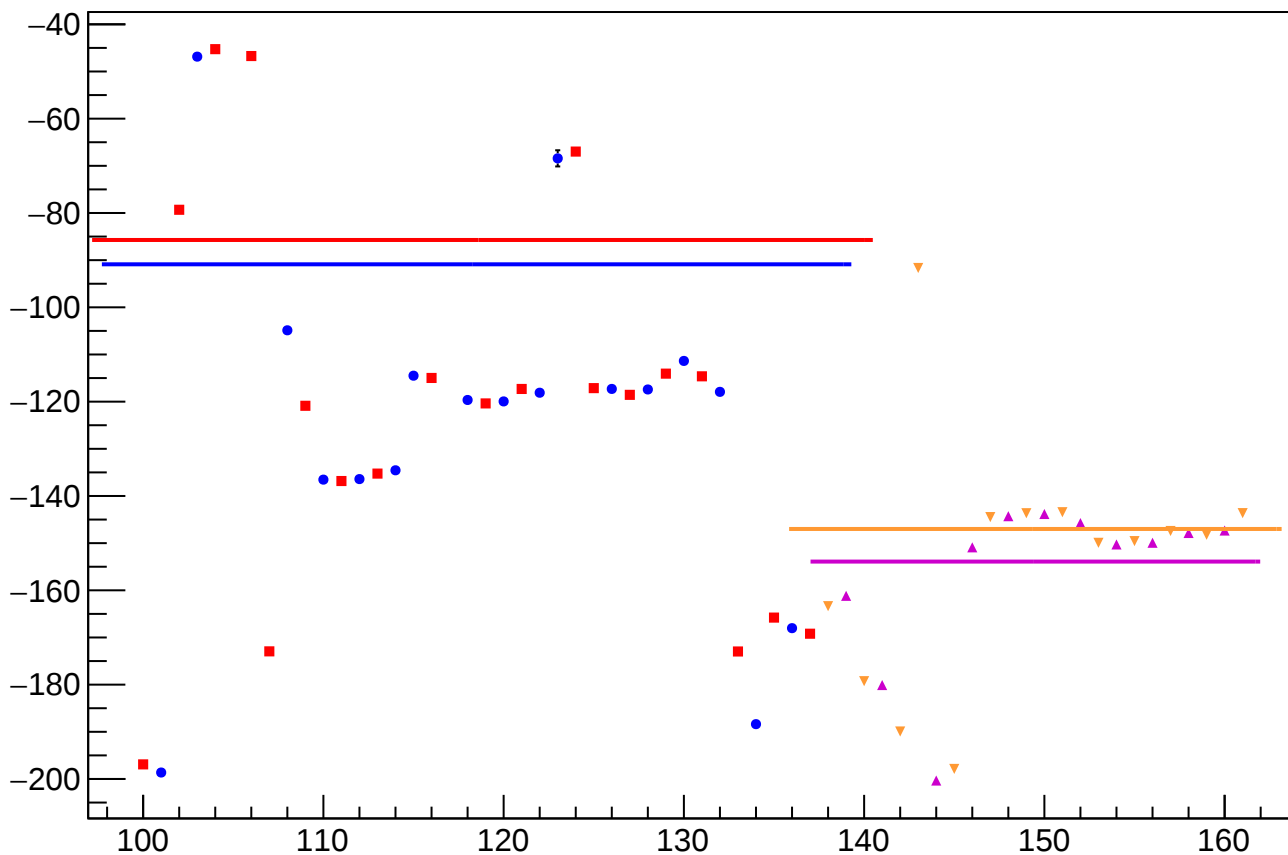
Right Out: 45.675+/-1.357 χ^2/NDF : 531.0/18

Left In: 53.593+/-1.331 χ^2/NDF : 267.7/10

53.993+/-0.926 χ^2/NDF : 967.5/29

49.712+/-0.950 χ^2/NDF : 816.1/29

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: -146.993+/-0.061 χ^2/NDF : 187044.0/12

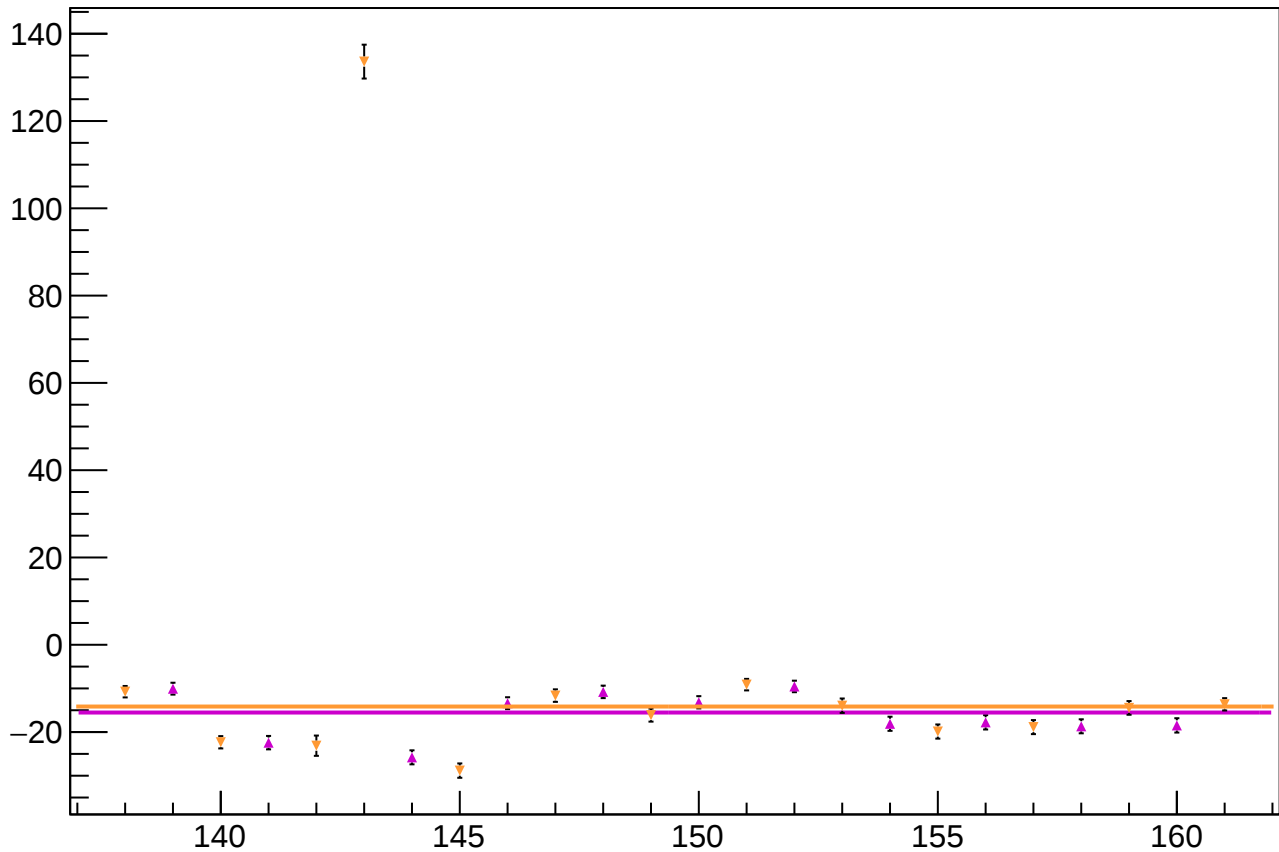
Right Out: -85.722+/-0.065 χ^2/NDF : 494183.1/18

Left In: -153.908+/-0.065 χ^2/NDF : 53353.8/10

-122.046+/-0.045 χ^2/NDF : 1101405.1/29

-120.086+/-0.046 χ^2/NDF : 1101019.3/29

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: -14.151 ± 0.436 χ^2/NDF : 1624.6/12

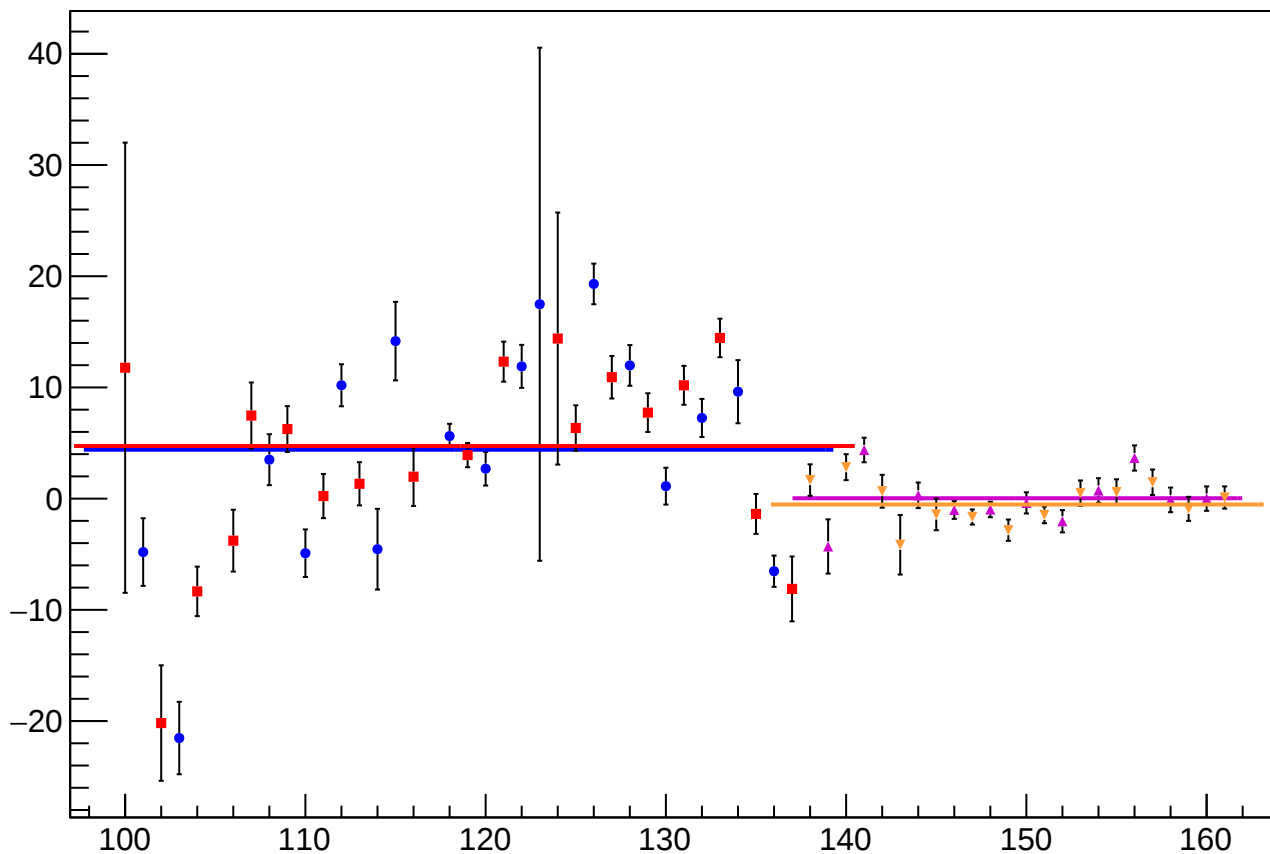
-14.151 ± 0.436 χ^2/NDF : 1624.6/12

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

-15.525 ± 0.449 χ^2/NDF : 125.0/10

Left In: -15.525 ± 0.449 χ^2/NDF : 125.0/10

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 ± 0.471 $\chi^2/\text{NDF}: 286.8/16$

Left Out: -0.527 ± 0.295 $\chi^2/\text{NDF}: 29.0/12$

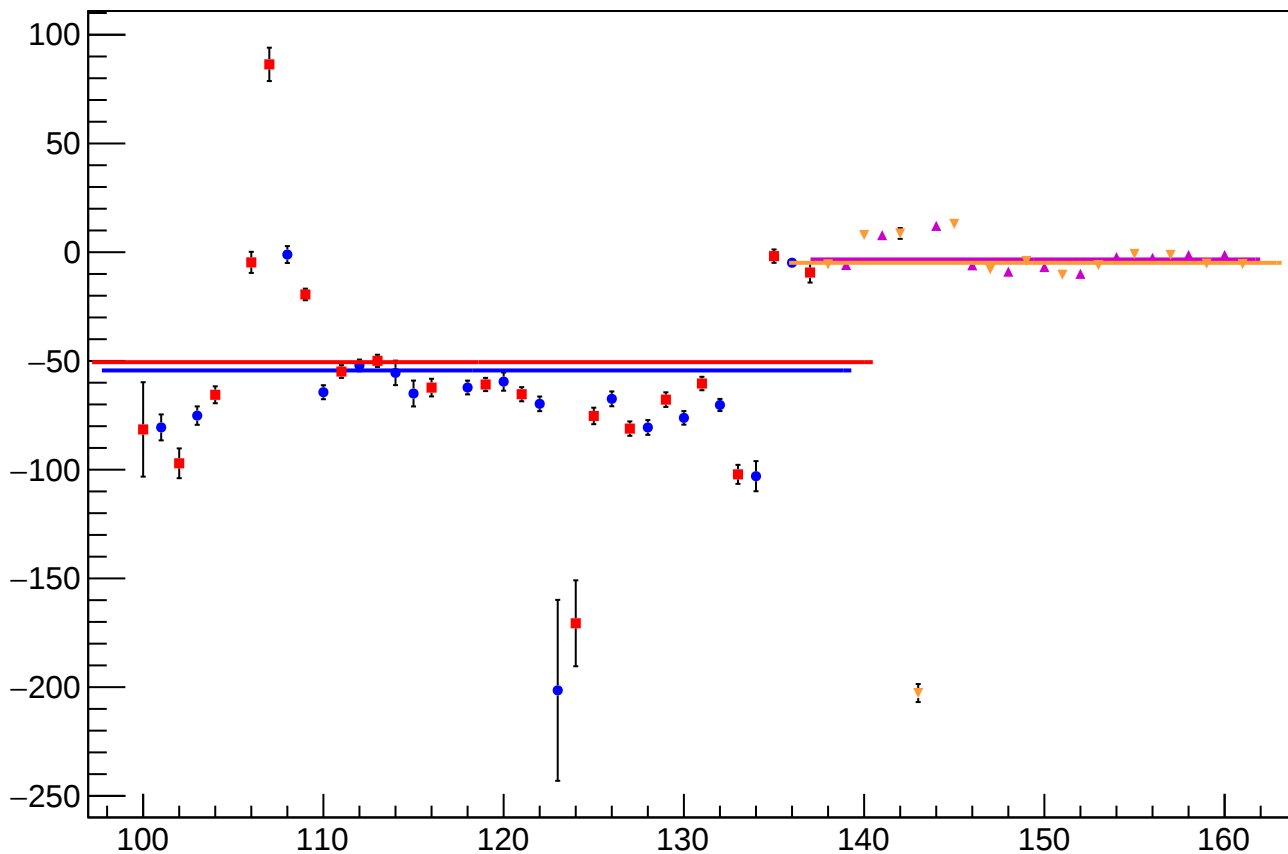
Right Out: 4.732 ± 0.473 $\chi^2/\text{NDF}: 182.9/18$

Left In: 0.035 ± 0.306 $\chi^2/\text{NDF}: 37.5/10$

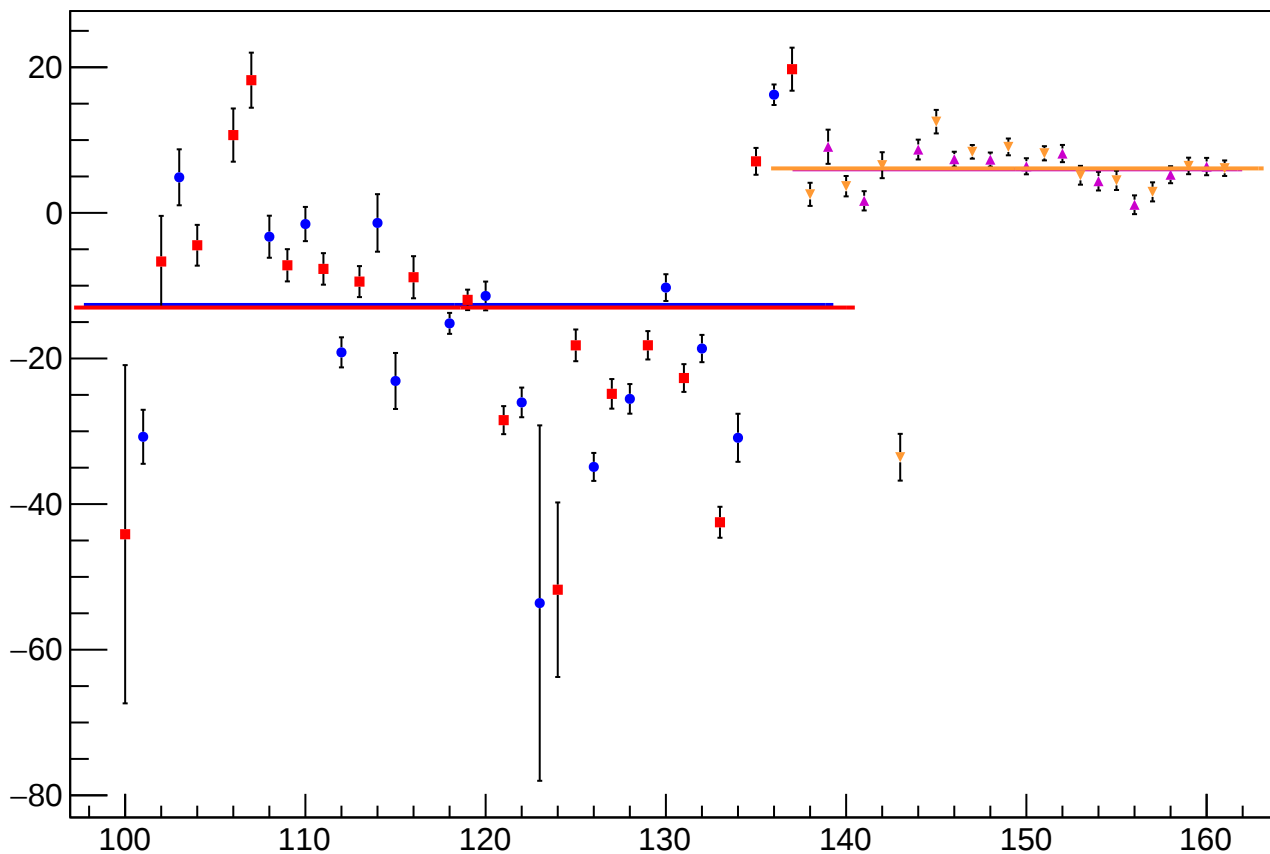
0.860 ± 0.250 $\chi^2/\text{NDF}: 394.4/29$

1.418 ± 0.257 $\chi^2/\text{NDF}: 289.9/29$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 6.107 ± 0.353 χ^2/NDF : 201.7/12

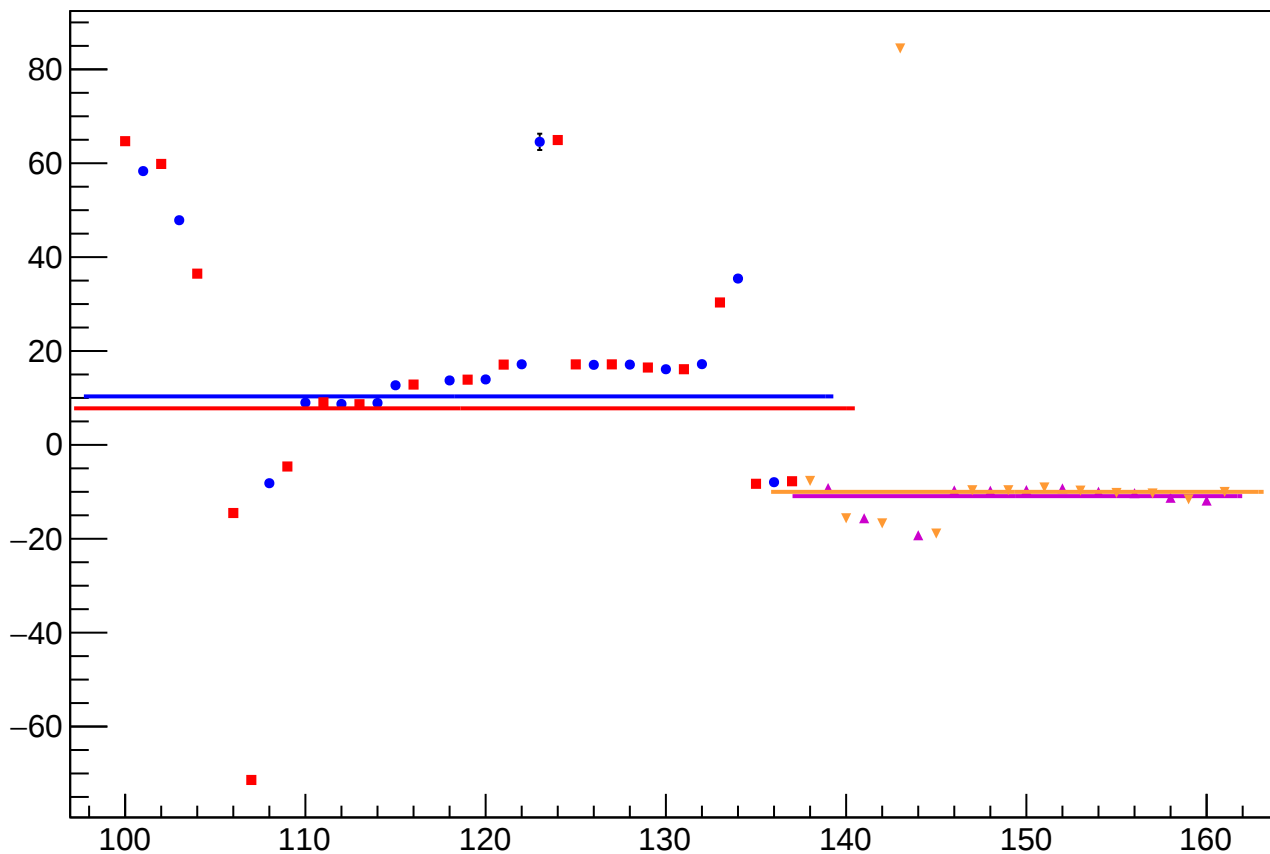
Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

Left In: 5.982 ± 0.366 χ^2/NDF : 40.0/10

0.446 ± 0.295 χ^2/NDF : 1844.0/29

-0.022 ± 0.302 χ^2/NDF : 1614.5/29

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330 $\pm$ 0.031 χ^2 /NDF: 380857.1/16

Left Out: -10.002 $\pm$ 0.017 χ^2 /NDF: 355763.3/12

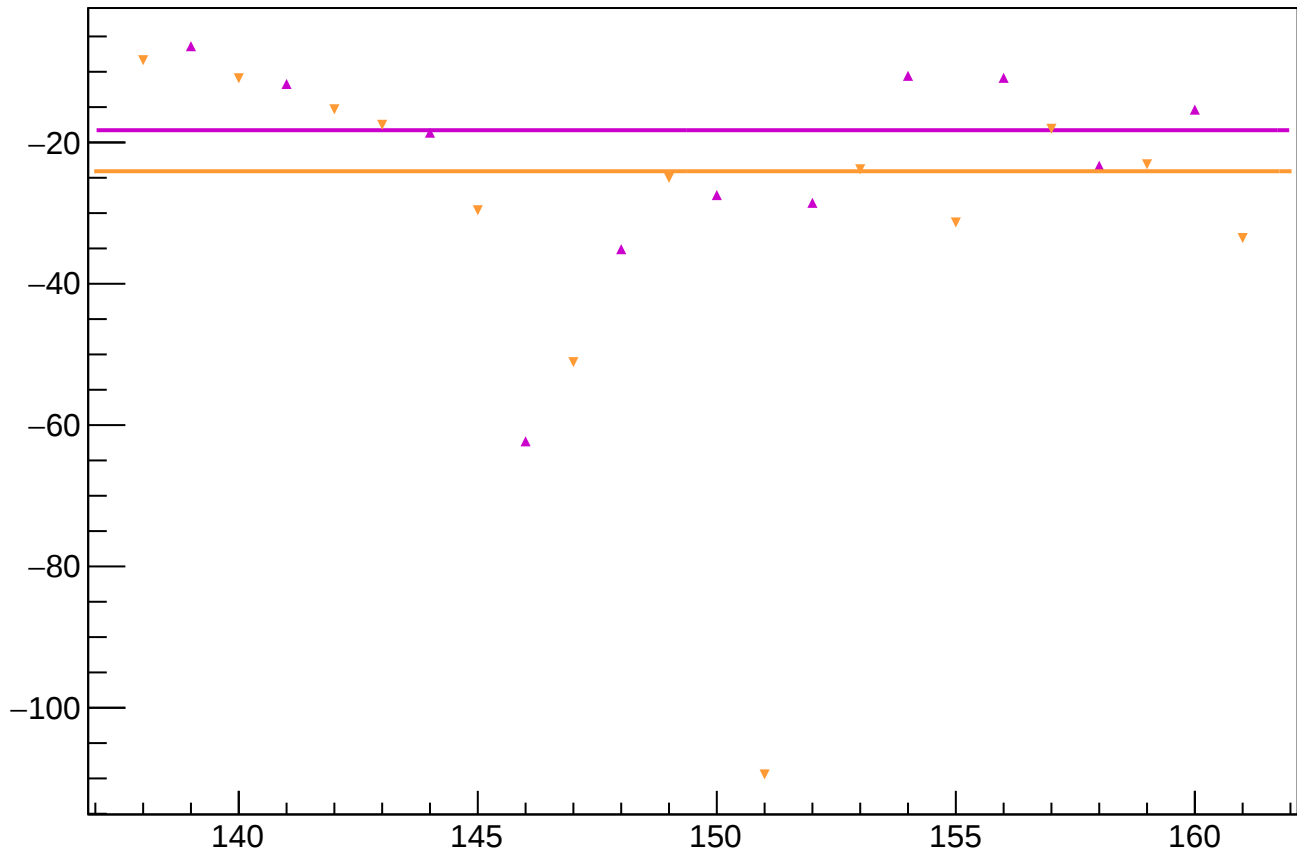
Right Out: 7.786 $\pm$ 0.031 χ^2 /NDF: 544119.7/18

Left In: -10.920 $\pm$ 0.017 χ^2 /NDF: 21694.2/10

-5.410 $\pm$ 0.015 χ^2 /NDF: 1076709.4/29

-6.690 $\pm$ 0.015 χ^2 /NDF: 842144.3/29

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -24.075+/-0.072 χ^2/NDF : 52159.5/12

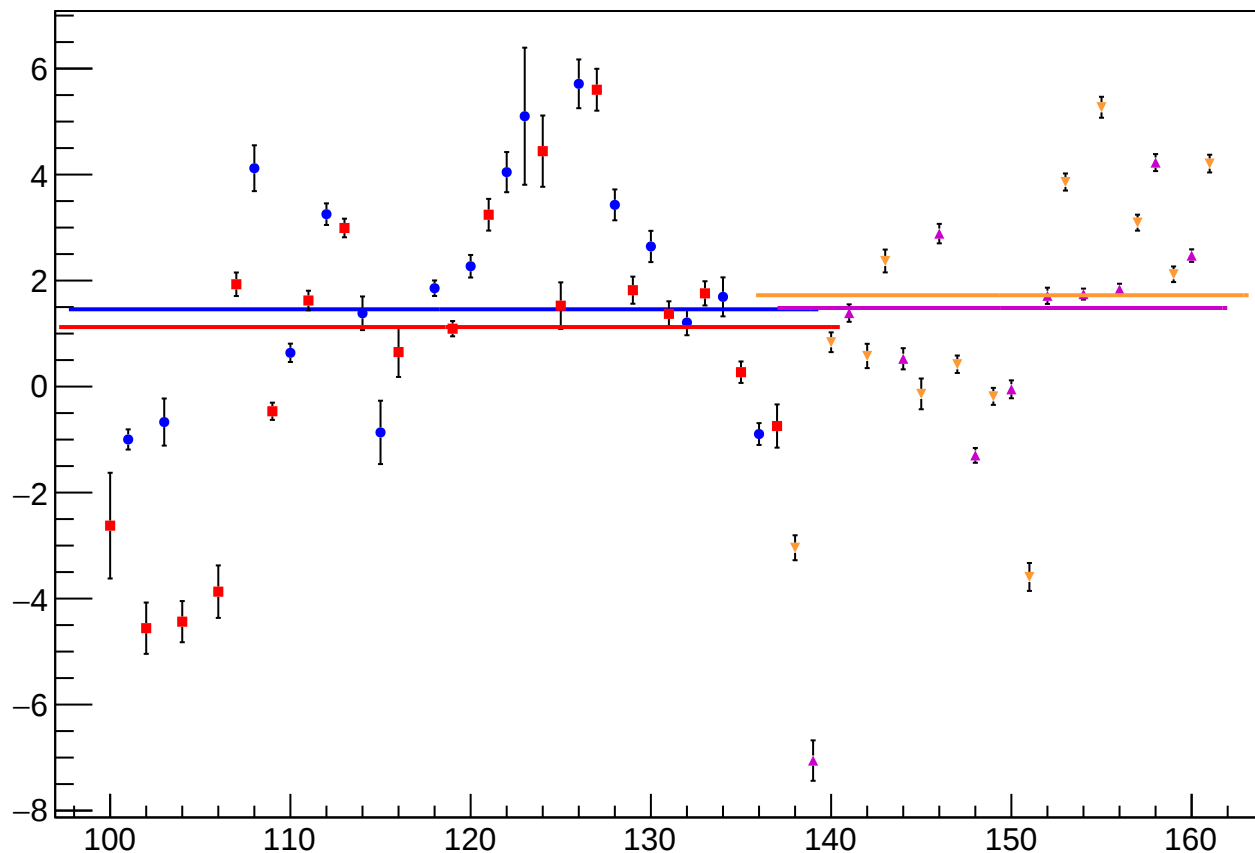
-24.075+/-0.072 χ^2/NDF : 52159.5/12

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

-18.269+/-0.064 χ^2/NDF : 36060.4/10

Left In: -18.269+/-0.064 χ^2/NDF : 36060.4/10

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 $\pm$ 0.062 χ^2/NDF : 698.2/16

Left Out: 1.723 $\pm$ 0.051 χ^2/NDF : 1926.0/12

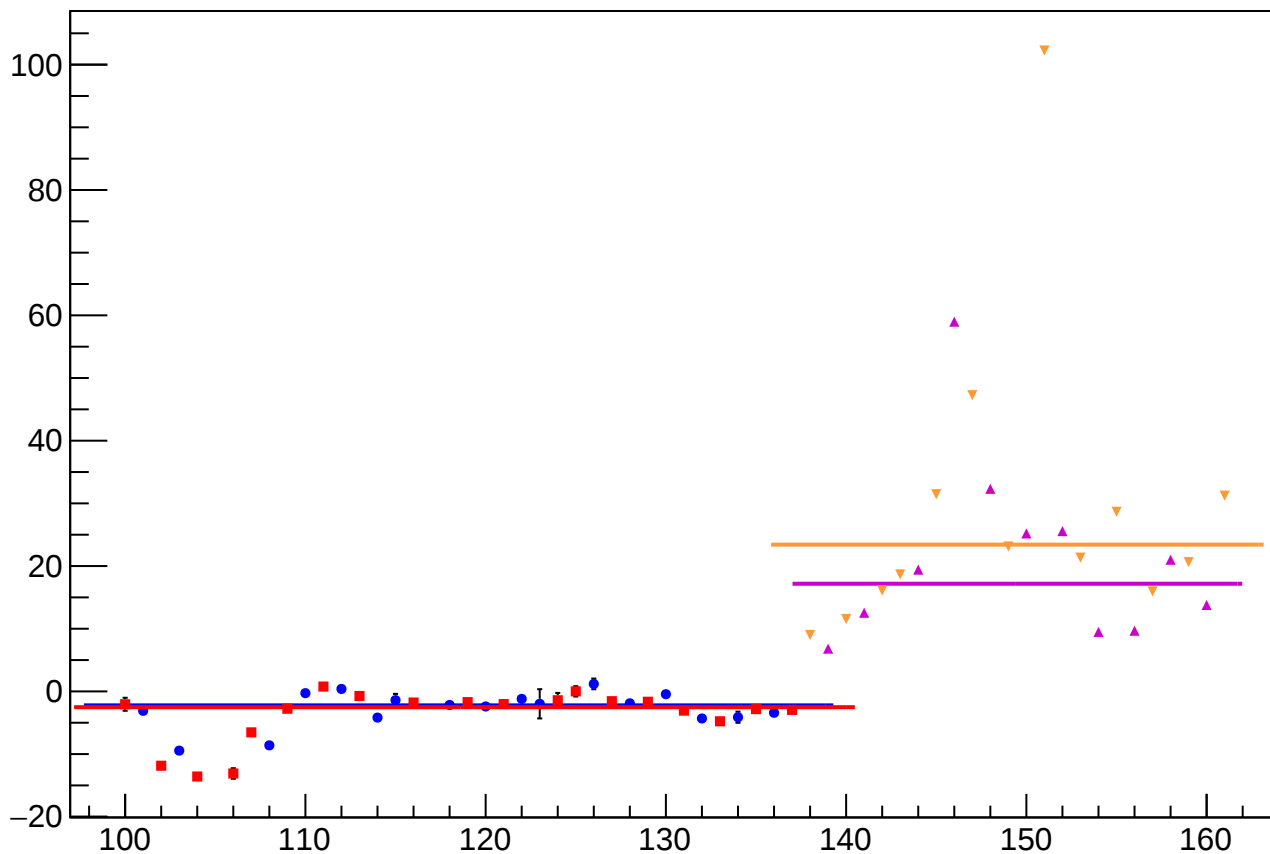
Right Out: 1.123 $\pm$ 0.058 χ^2/NDF : 947.4/18

Left In: 1.483 $\pm$ 0.044 χ^2/NDF : 1442.8/10

1.615 $\pm$ 0.040 χ^2/NDF : 2635.0/29

1.351 $\pm$ 0.035 χ^2/NDF : 2414.5/29

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 23.416 ± 0.071 χ^2/NDF : 46925.4/12

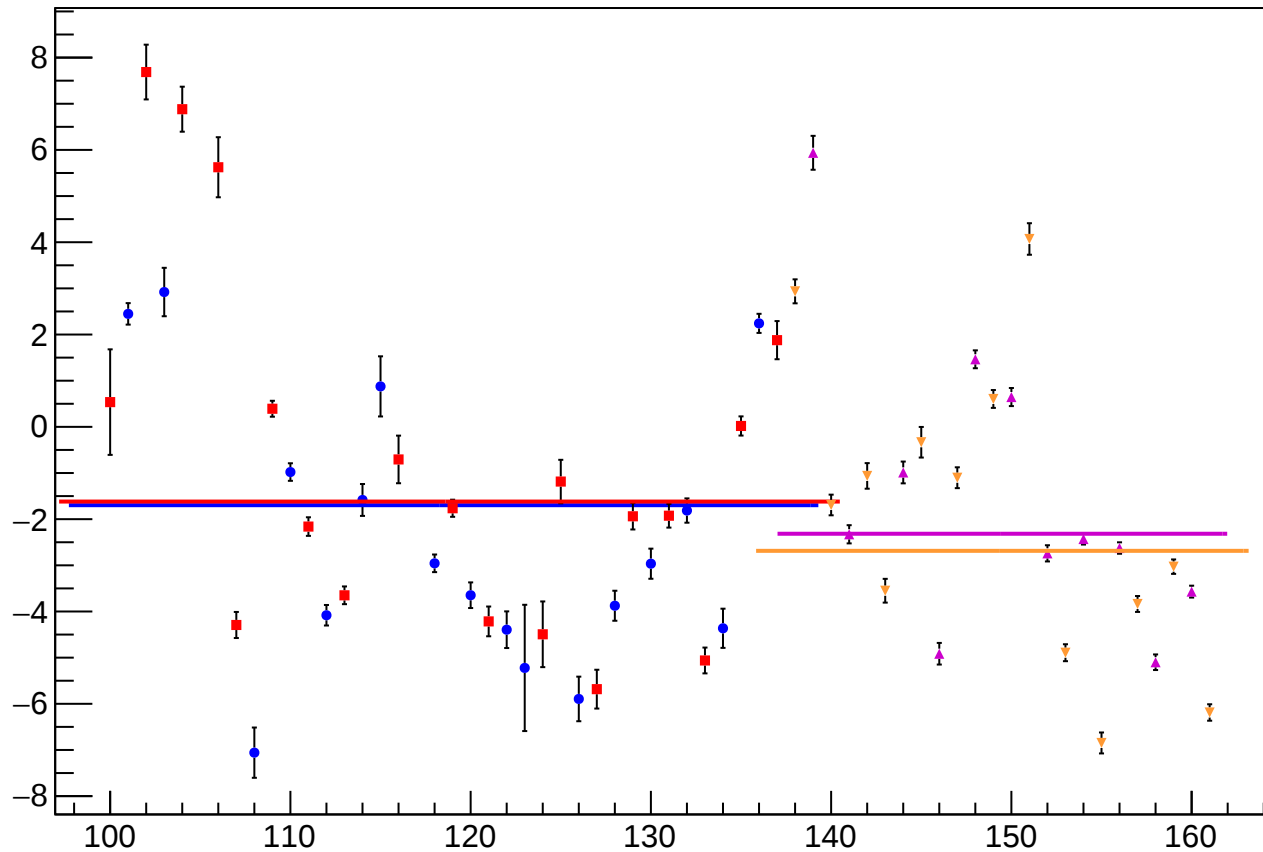
Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

Left In: 17.177 ± 0.061 χ^2/NDF : 34201.5/10

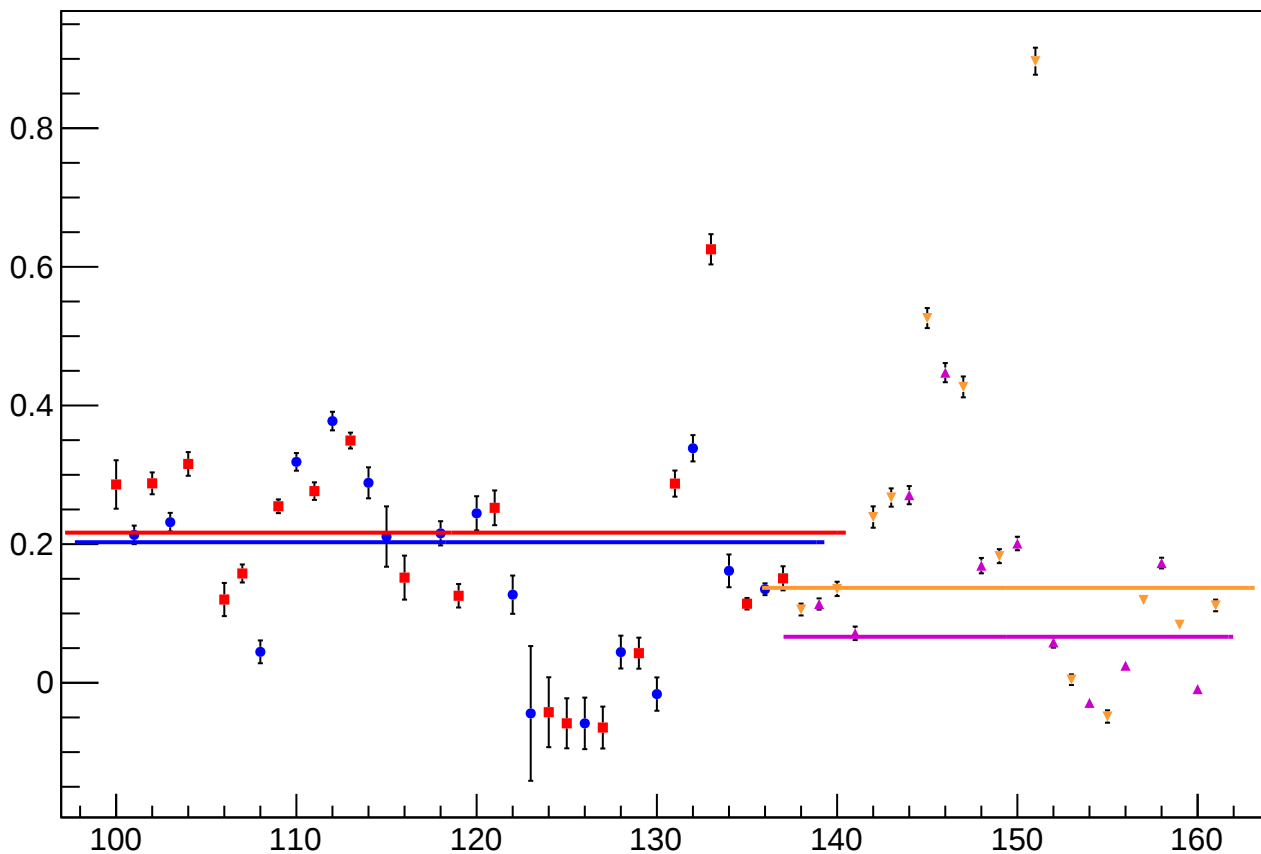
16.063 ± 0.060 χ^2/NDF : 85272.6/29

11.735 ± 0.052 χ^2/NDF : 63767.8/29

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203+/-0.004 χ^2/NDF : 676.5/16

Left Out: 0.137+/-0.003 χ^2/NDF : 3578.7/12

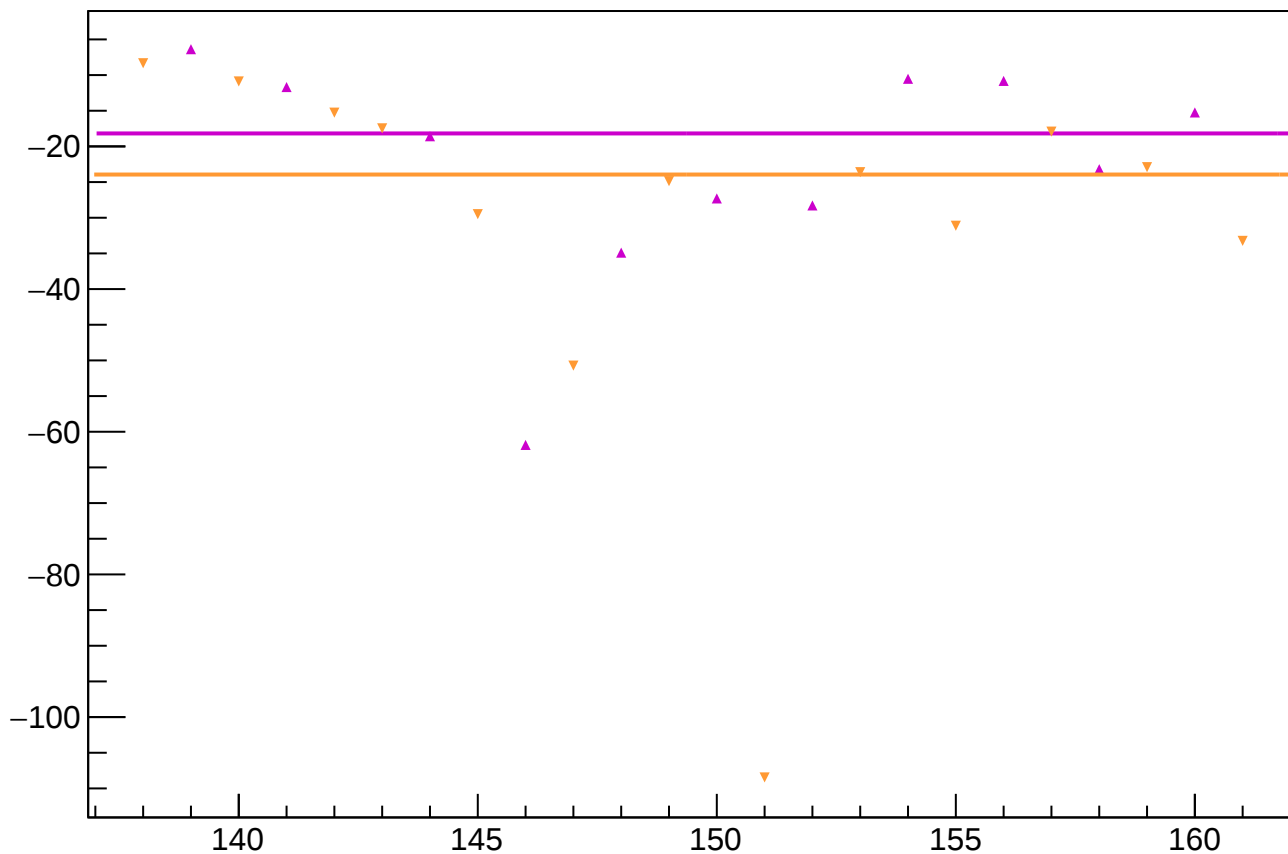
Right Out: 0.217+/-0.004 χ^2/NDF : 1064.4/18

Left In: 0.066+/-0.002 χ^2/NDF : 2111.0/10

0.156+/-0.002 χ^2/NDF : 4433.0/29

0.106+/-0.002 χ^2/NDF : 4386.3/29

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -23.942+/-0.072 χ^2/NDF : 52015.4/12

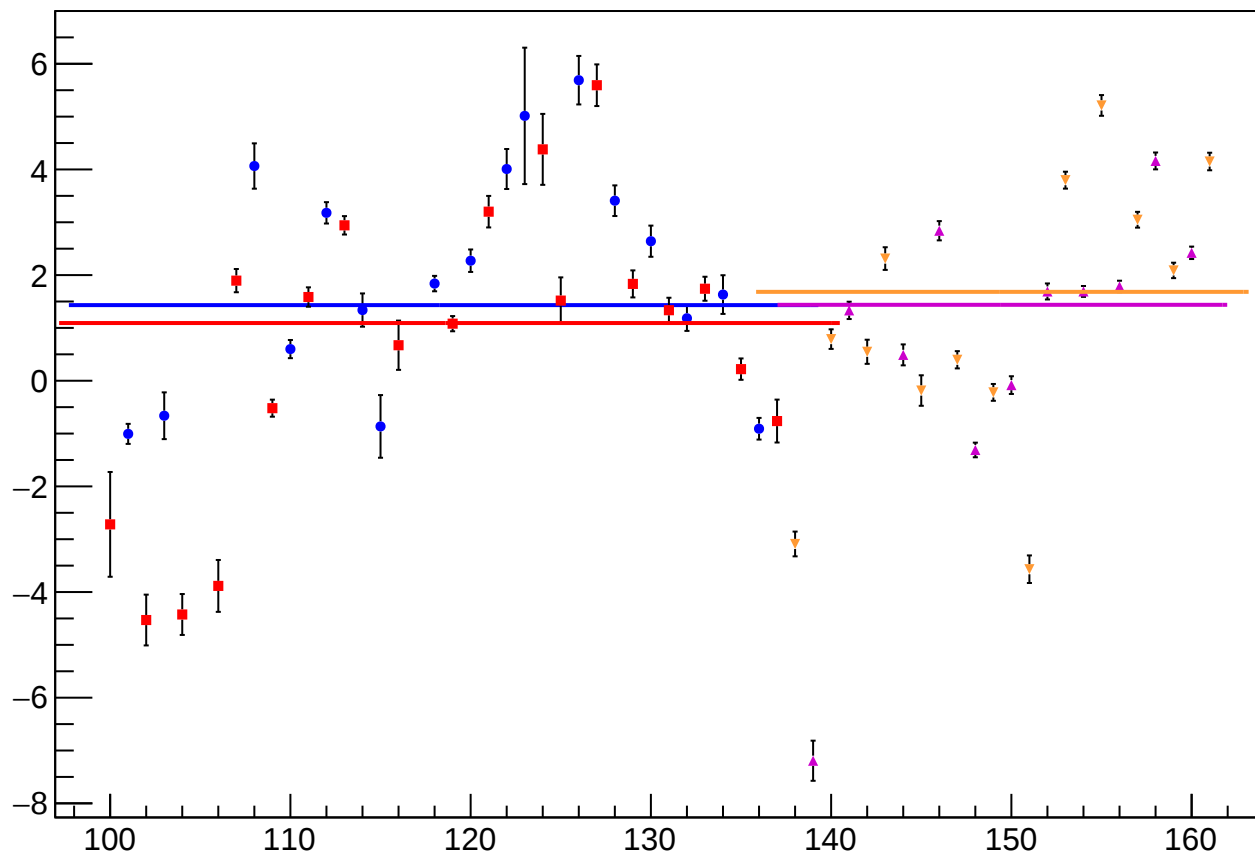
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -18.181+/-0.063 χ^2/NDF : 35992.6/10

-23.942+/-0.072 χ^2/NDF : 52015.4/12

-18.181+/-0.063 χ^2/NDF : 35992.6/10

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 ± 0.062 $\chi^2/\text{NDF}: 696.6/16$

Left Out: 1.683 ± 0.051 $\chi^2/\text{NDF}: 1931.6/12$

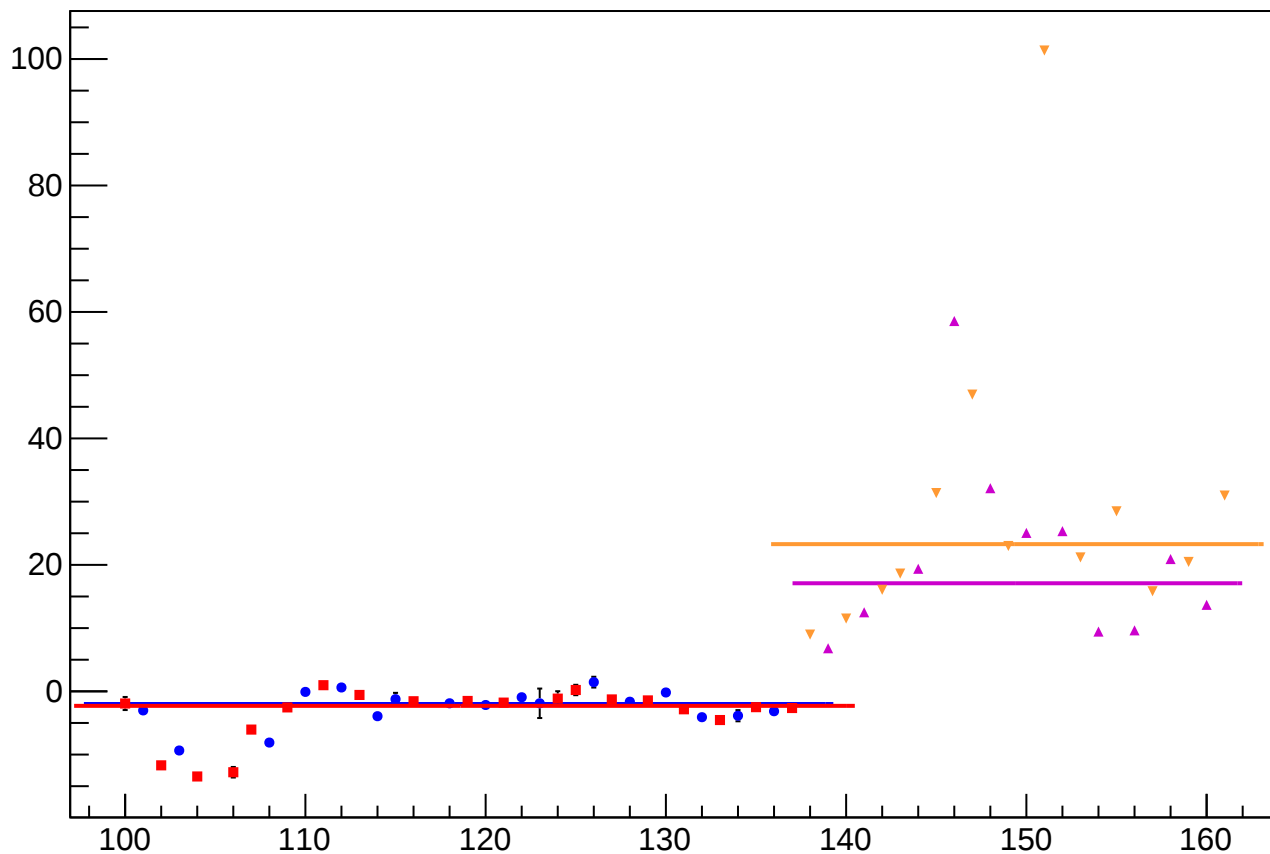
Right Out: 1.092 ± 0.058 $\chi^2/\text{NDF}: 953.2/18$

Left In: 1.437 ± 0.044 $\chi^2/\text{NDF}: 1453.5/10$

1.581 ± 0.039 $\chi^2/\text{NDF}: 2638.0/29$

1.312 ± 0.035 $\chi^2/\text{NDF}: 2429.3/29$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 23.280 ± 0.070 χ^2/NDF : 46820.0/12

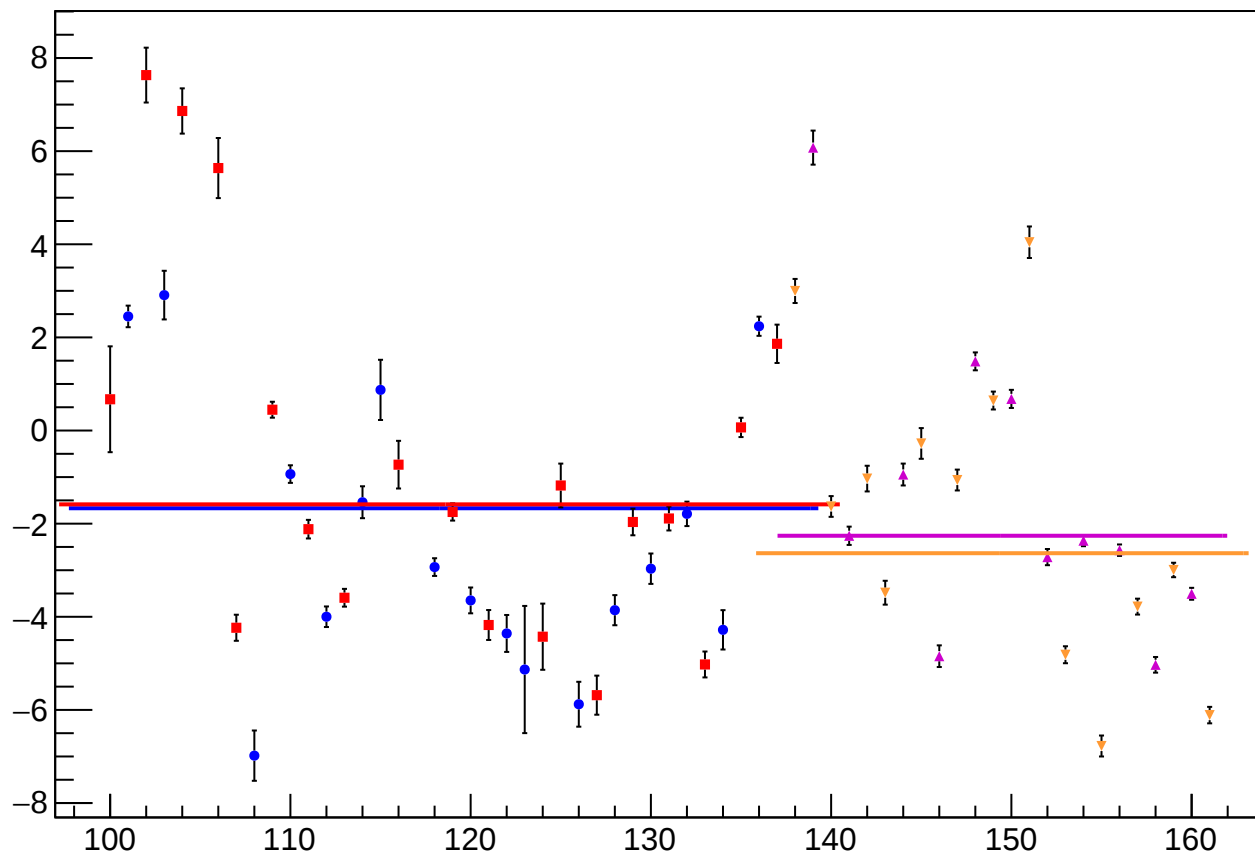
Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

Left In: 17.092 ± 0.061 χ^2/NDF : 34148.0/10

16.045 ± 0.059 χ^2/NDF : 84514.5/29

11.742 ± 0.052 χ^2/NDF : 63128.9/29

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.635 ± 0.059 χ^2/NDF : 2237.7/12

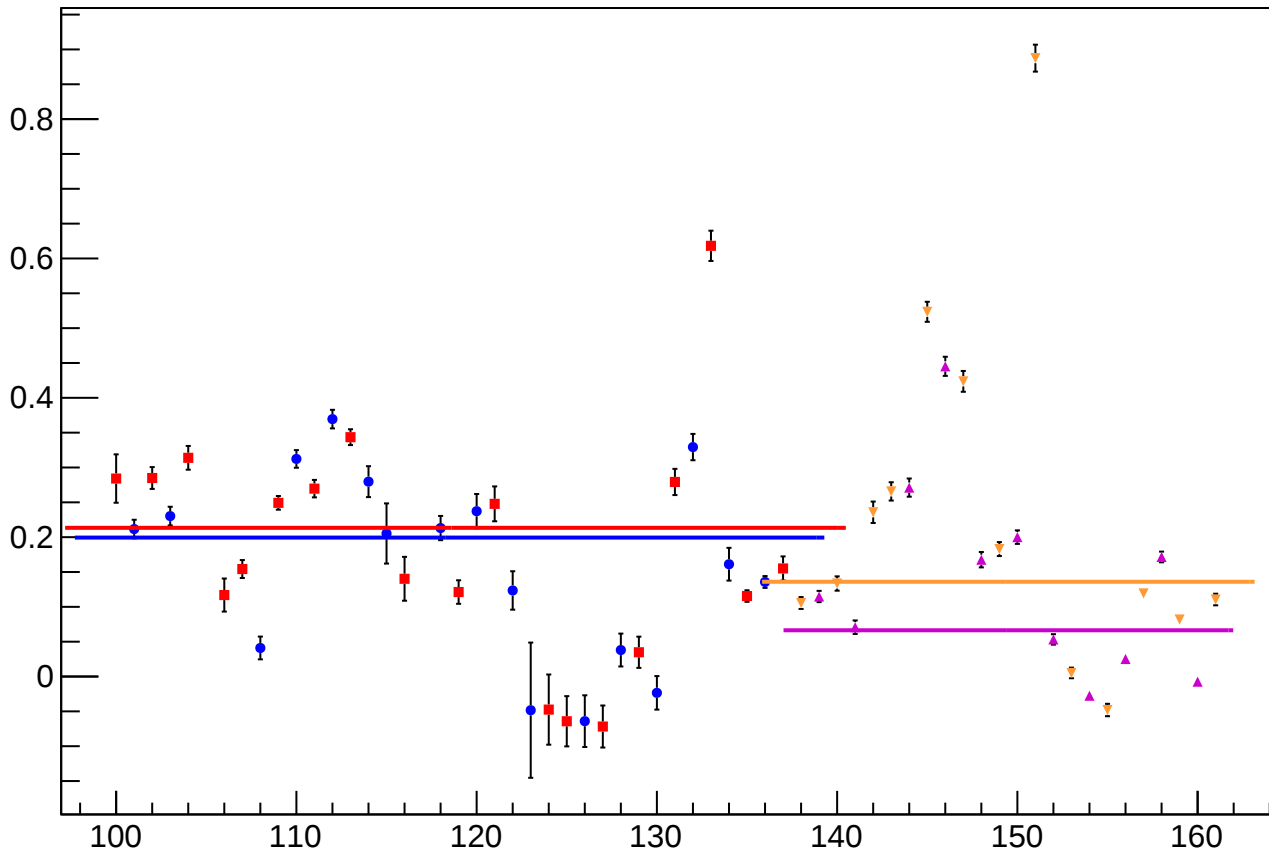
Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18

Left In: -2.260 ± 0.051 χ^2/NDF : 1662.6/10

-2.238 ± 0.045 χ^2/NDF : 3662.2/29

-2.007 ± 0.040 χ^2/NDF : 3223.8/29

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199+/-0.004 χ^2/NDF : 662.1/16

Left Out: 0.136+/-0.003 χ^2/NDF : 3572.4/12

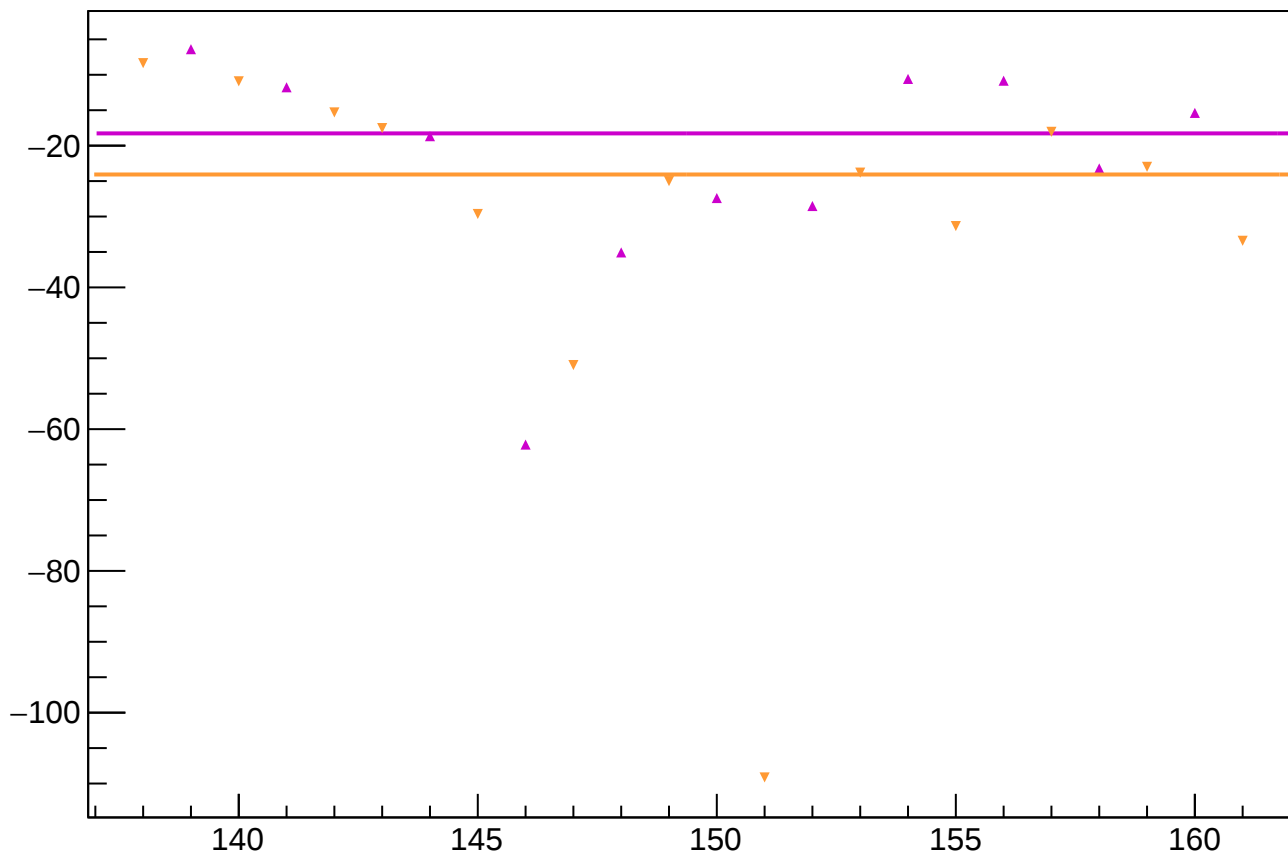
Right Out: 0.213+/-0.004 χ^2/NDF : 1048.2/18

Left In: 0.066+/-0.002 χ^2/NDF : 2105.1/10

0.154+/-0.002 χ^2/NDF : 4401.5/29

0.105+/-0.002 χ^2/NDF : 4326.1/29

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -24.069+/-0.072 χ^2/NDF : 52136.0/12

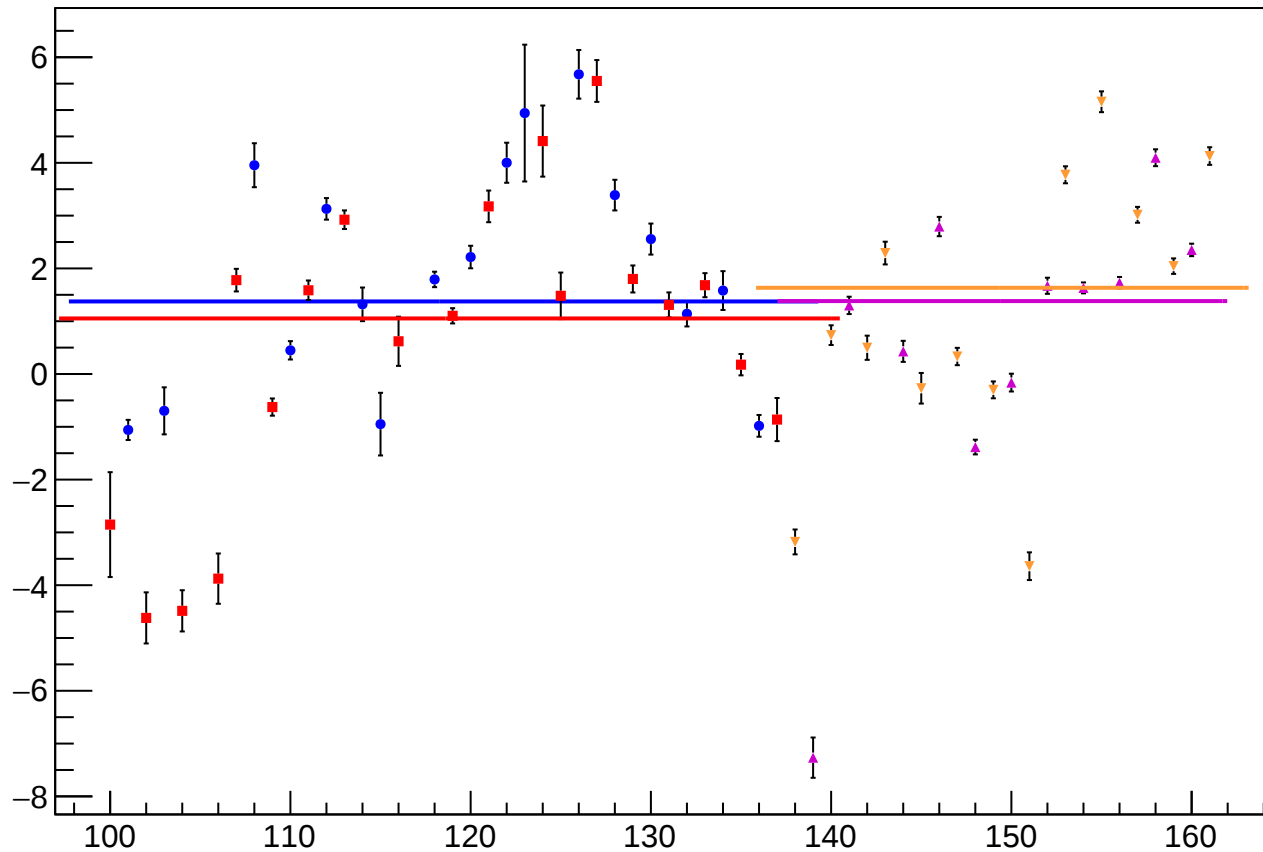
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -18.270+/-0.064 χ^2/NDF : 36067.3/10

-24.069+/-0.072 χ^2/NDF : 52136.0/12

-18.270+/-0.064 χ^2/NDF : 36067.3/10

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: 1.633 ± 0.051 χ^2/NDF : 1943.5/12

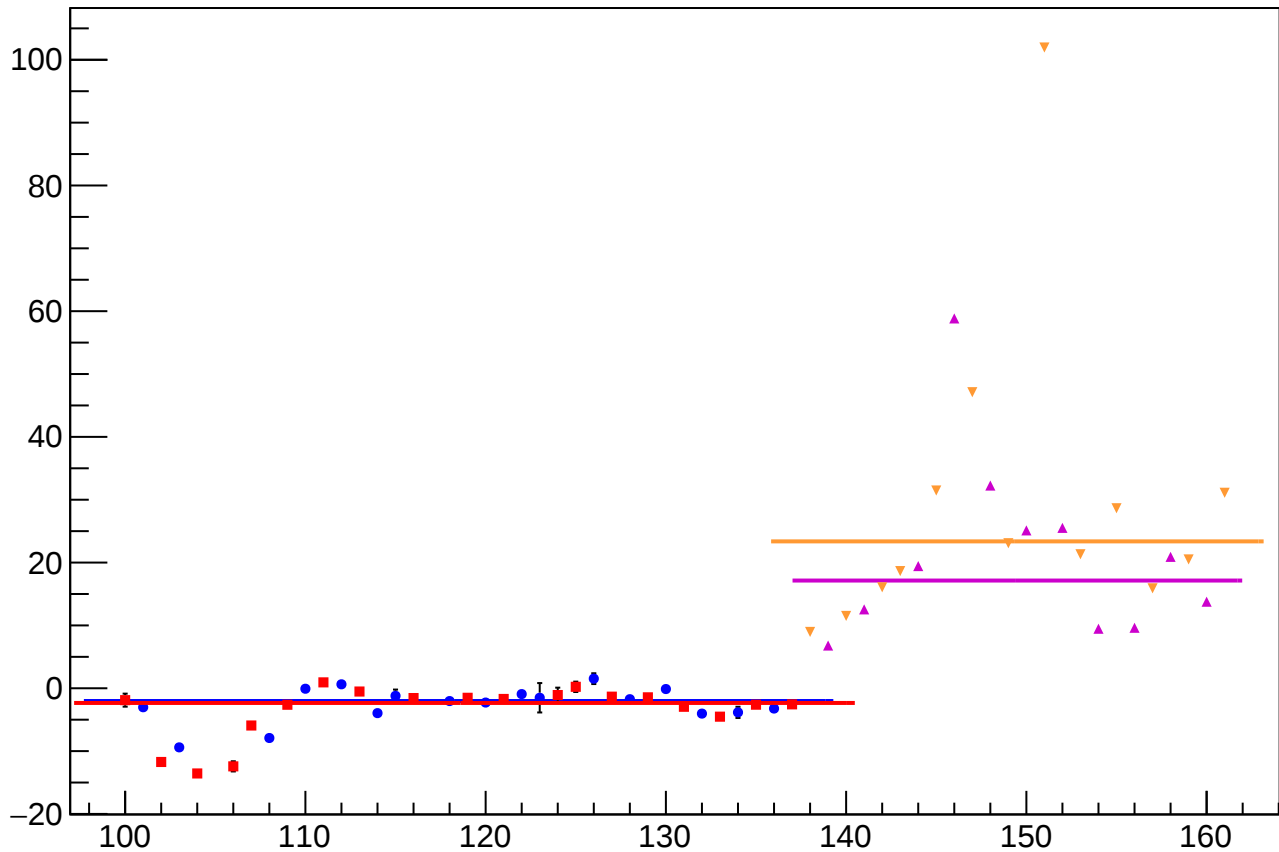
Right Out: 1.052 ± 0.058 χ^2/NDF : 964.0/18

Left In: 1.381 ± 0.044 χ^2/NDF : 1449.9/10

1.528 ± 0.039 χ^2/NDF : 2656.3/29

1.261 ± 0.035 χ^2/NDF : 2434.3/29

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 $\chi^2/\text{NDF}: 463.2/16$

Left Out: 23.372 ± 0.070 $\chi^2/\text{NDF}: 46924.7/12$

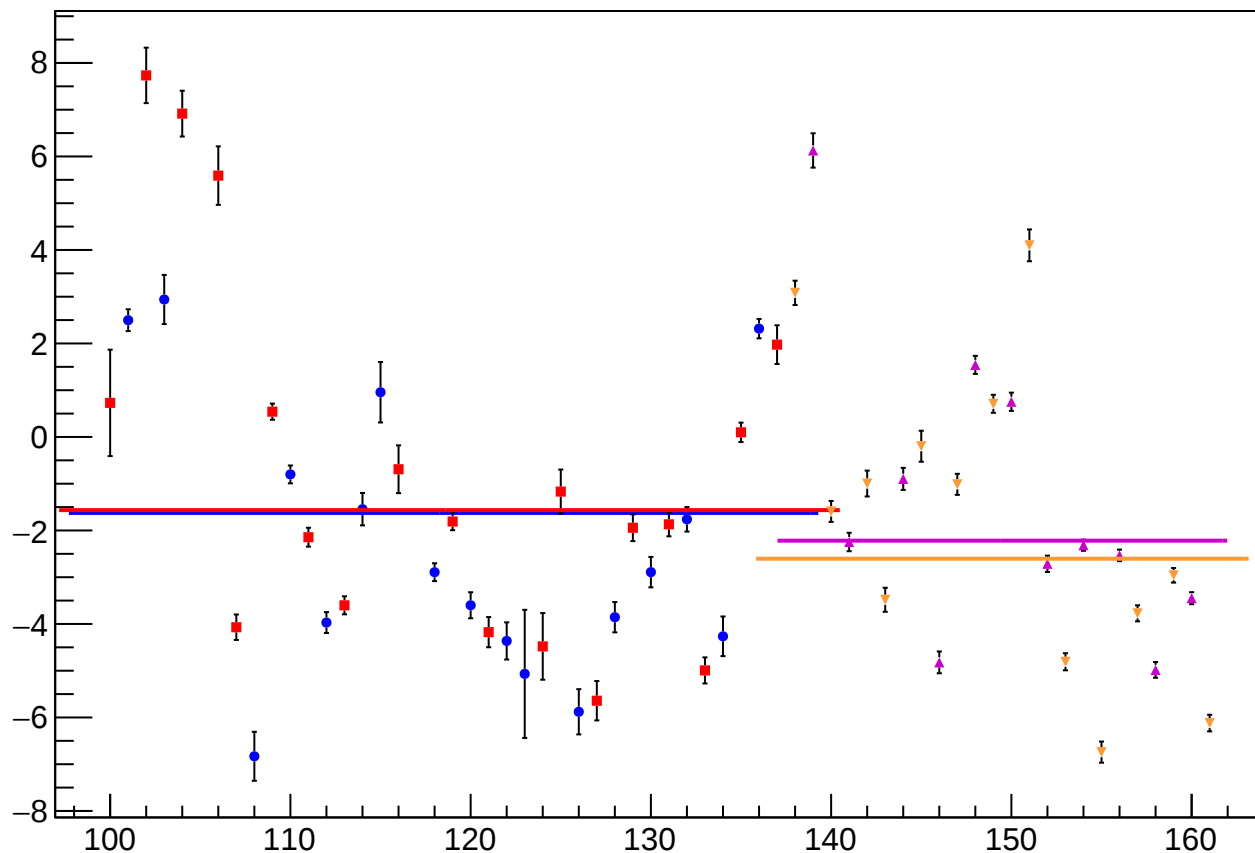
Right Out: -2.336 ± 0.099 $\chi^2/\text{NDF}: 902.0/18$

Left In: 17.140 ± 0.061 $\chi^2/\text{NDF}: 34227.3/10$

16.113 ± 0.059 $\chi^2/\text{NDF}: 84590.7/29$

11.775 ± 0.052 $\chi^2/\text{NDF}: 63204.1/29$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 $\chi^2/\text{NDF}: 1320.8/16$

Left Out: -2.604 ± 0.059 $\chi^2/\text{NDF}: 2253.6/12$

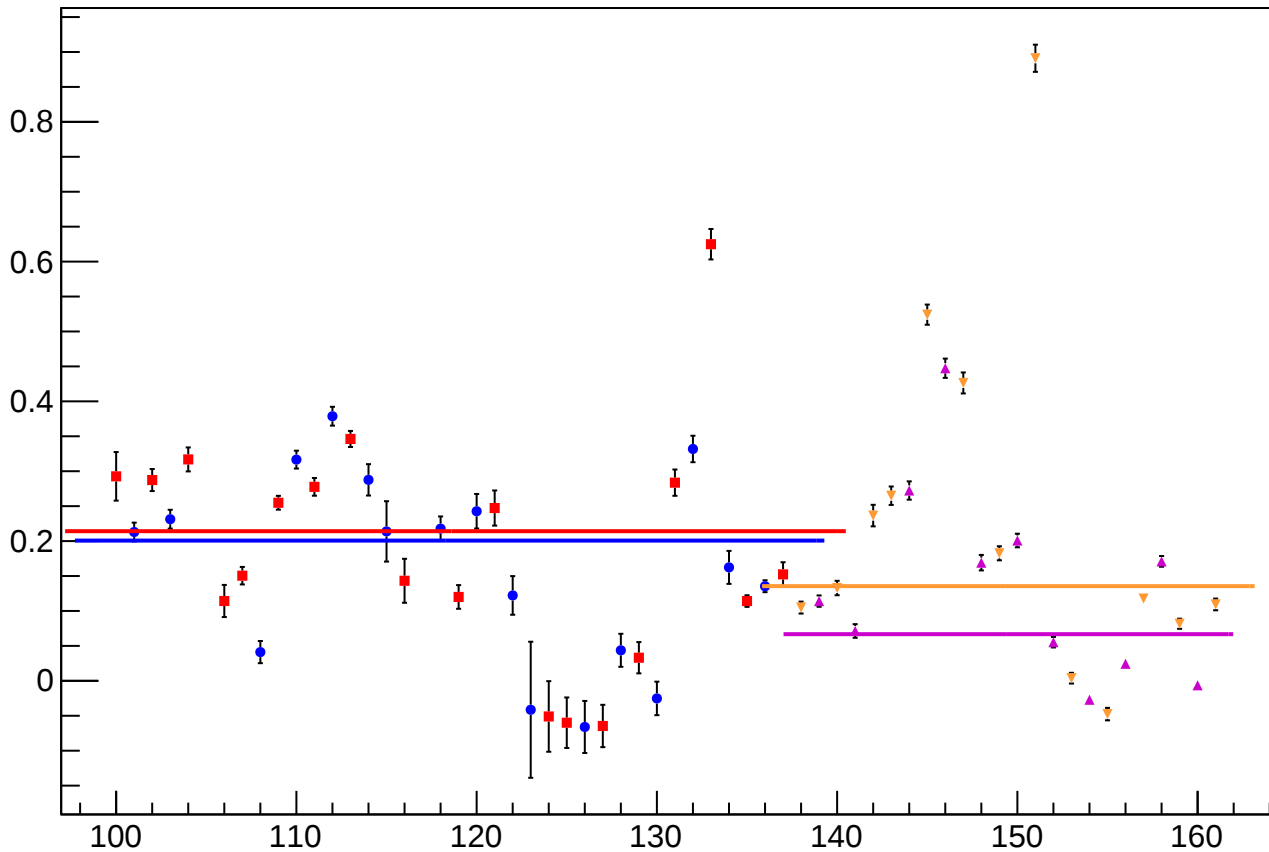
Right Out: -1.565 ± 0.066 $\chi^2/\text{NDF}: 1505.8/18$

Left In: -2.218 ± 0.051 $\chi^2/\text{NDF}: 1658.9/10$

-2.201 ± 0.046 $\chi^2/\text{NDF}: 3686.0/29$

-1.973 ± 0.040 $\chi^2/\text{NDF}: 3226.6/29$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 690.6/16

Left Out: 0.136 $\pm$ 0.003 χ^2 /NDF:3566.3/12

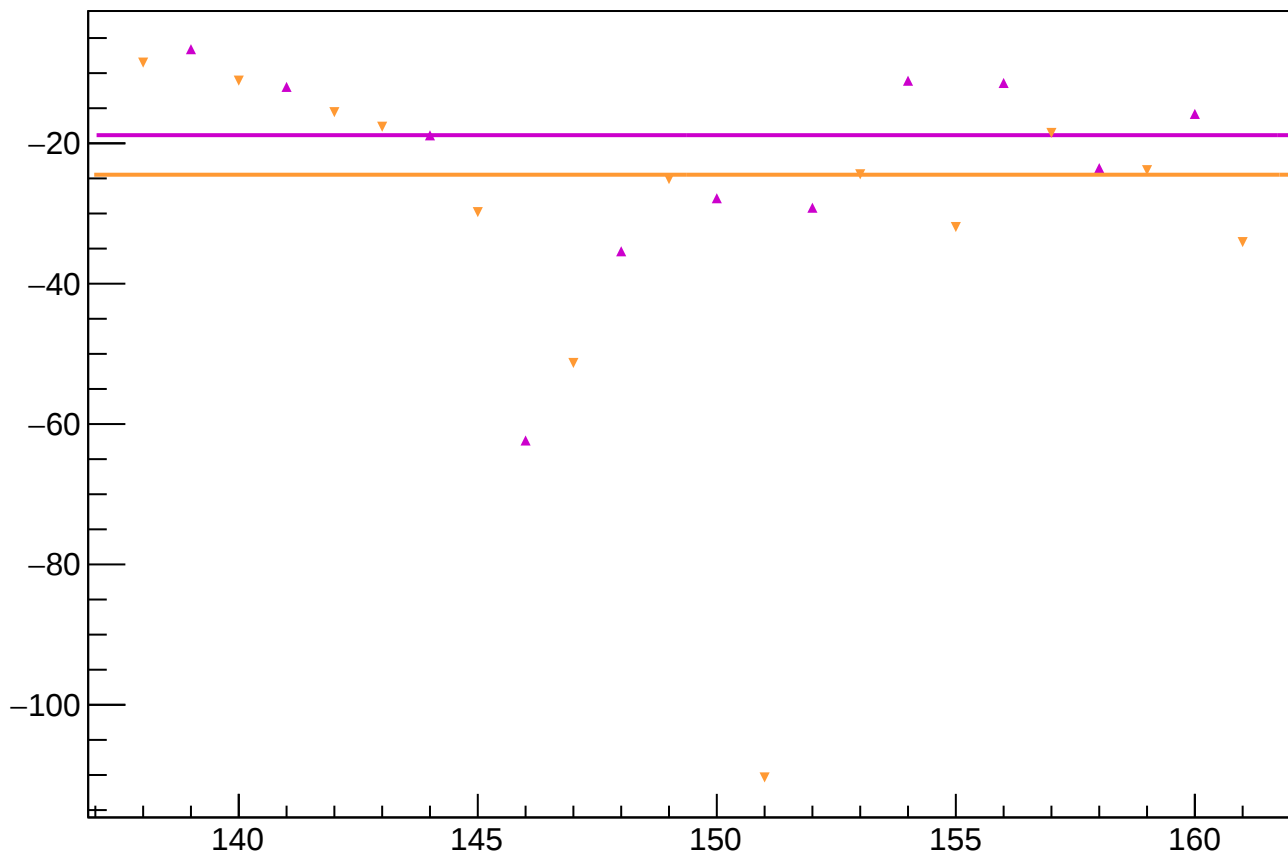
Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1080.4/18

Left In: 0.067 $\pm$ 0.002 χ^2 /NDF:2096.2/10

0.155 $\pm$ 0.002 χ^2 /NDF: 4431.9/29

0.106 $\pm$ 0.002 χ^2 /NDF: 4349.9/29

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -24.474+/-0.073 χ^2/NDF : 52015.0/12

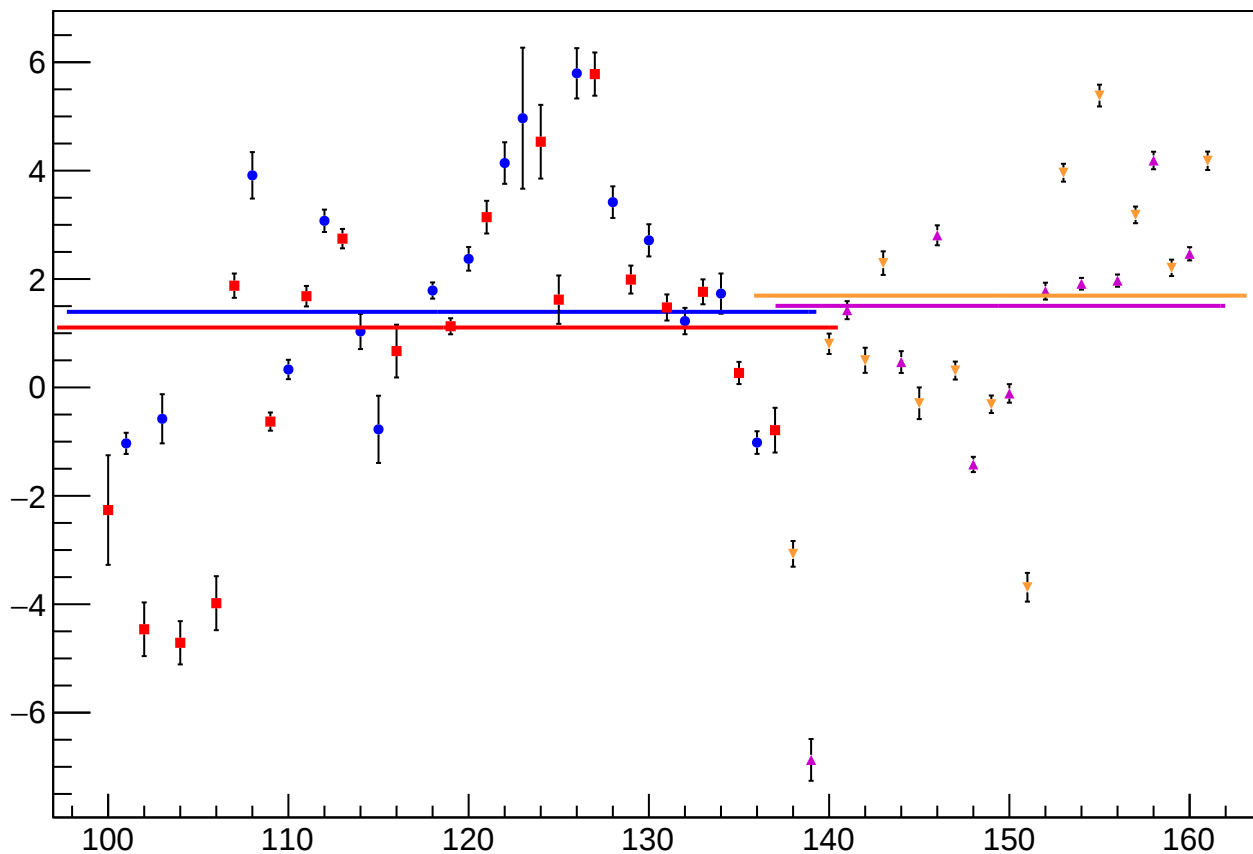
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -18.840+/-0.065 χ^2/NDF : 34994.7/10

-24.474+/-0.073 χ^2/NDF : 52015.0/12

-18.840+/-0.065 χ^2/NDF : 34994.7/10

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: 1.694 ± 0.052 $\chi^2/\text{NDF}: 1987.3/12$

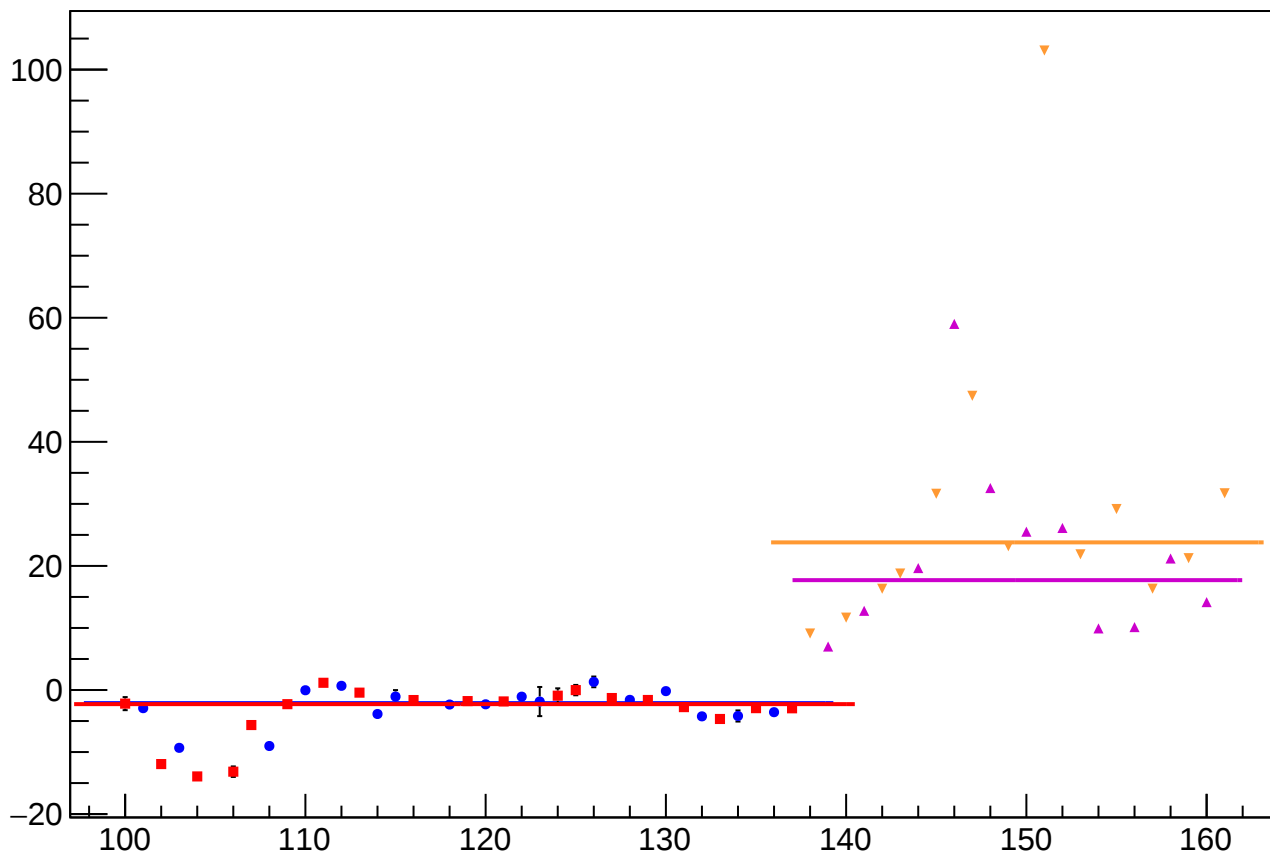
Right Out: 1.106 ± 0.059 $\chi^2/\text{NDF}: 937.0/18$

Left In: 1.505 ± 0.045 $\chi^2/\text{NDF}: 1441.2/10$

1.573 ± 0.040 $\chi^2/\text{NDF}: 2702.1/29$

1.359 ± 0.036 $\chi^2/\text{NDF}: 2407.0/29$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 23.794 ± 0.072 $\chi^2/\text{NDF}: 46671.7/12$

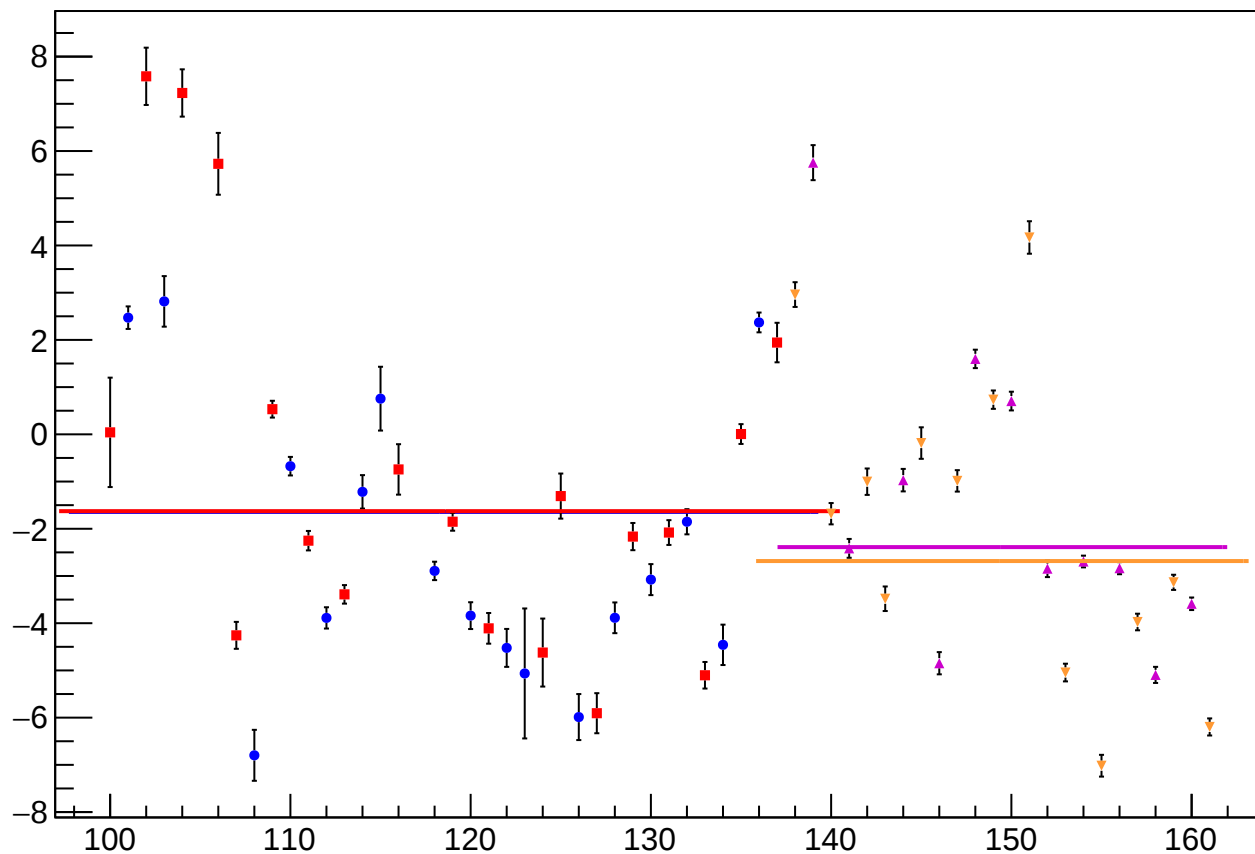
Right Out: -2.277 ± 0.101 $\chi^2/\text{NDF}: 919.4/18$

Left In: 17.707 ± 0.063 $\chi^2/\text{NDF}: 33075.3/10$

16.399 ± 0.061 $\chi^2/\text{NDF}: 84539.8/29$

12.167 ± 0.053 $\chi^2/\text{NDF}: 62269.7/29$

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: -2.684 ± 0.060 $\chi^2/\text{NDF}: 2297.5/12$

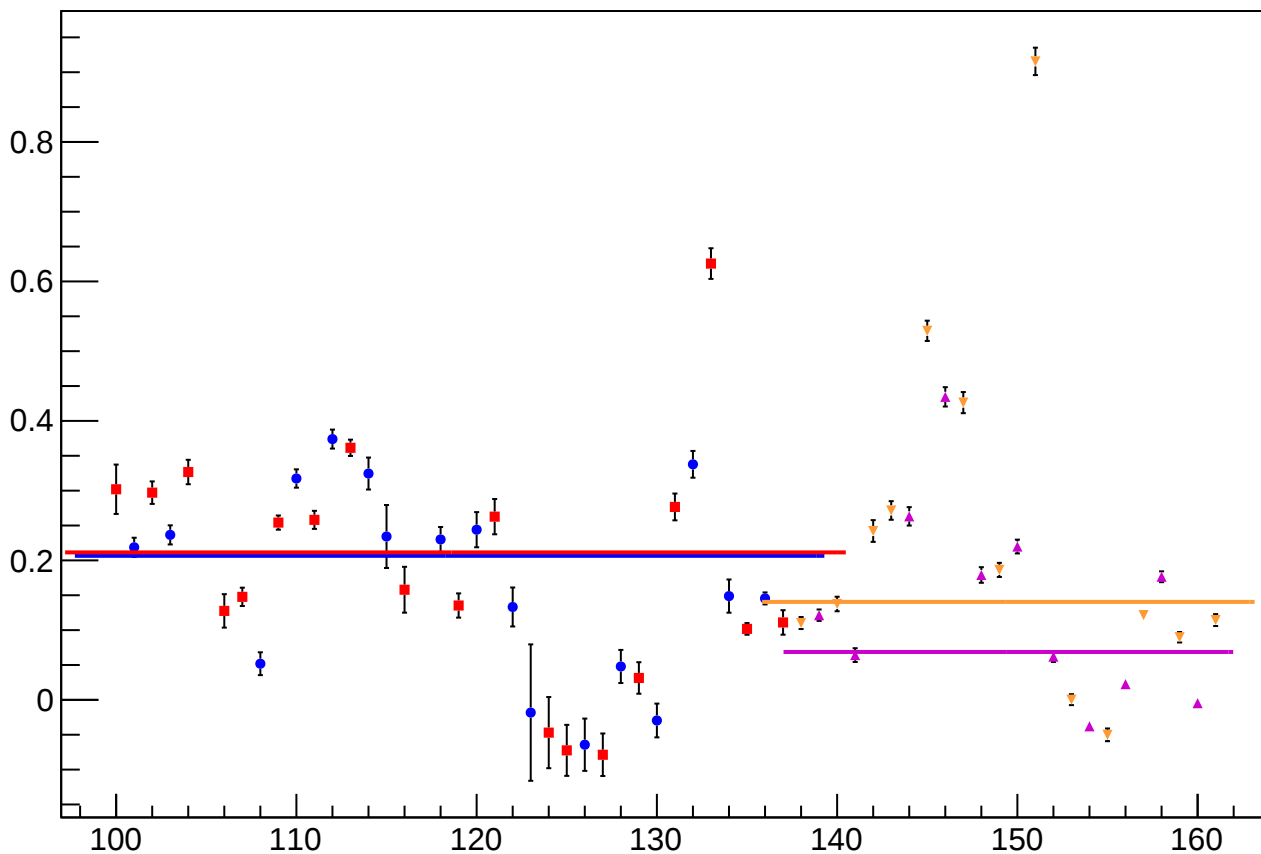
Right Out: -1.627 ± 0.067 $\chi^2/\text{NDF}: 1468.1/18$

Left In: -2.388 ± 0.052 $\chi^2/\text{NDF}: 1644.8/10$

-2.256 ± 0.046 $\chi^2/\text{NDF}: 3729.4/29$

-2.101 ± 0.041 $\chi^2/\text{NDF}: 3193.4/29$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.140 ± 0.003 χ^2/NDF : 3613.4/12

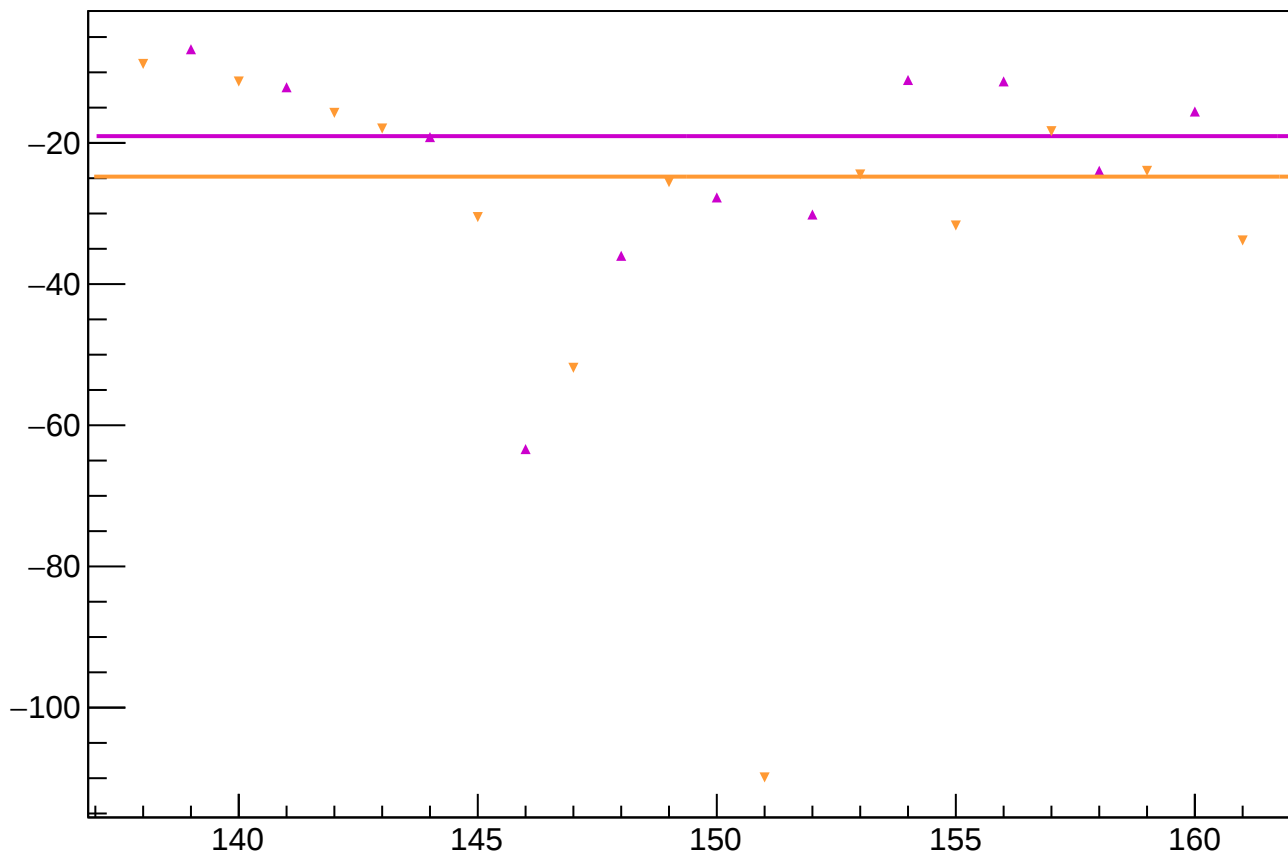
Right Out: 0.211 ± 0.004 χ^2/NDF : 1145.6/18

Left In: 0.069 ± 0.002 χ^2/NDF : 2136.8/10

0.160 ± 0.002 χ^2/NDF : 4442.1/29

0.107 ± 0.002 χ^2/NDF : 4334.9/29

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -24.775+/-0.074 χ^2/NDF : 51106.4/12

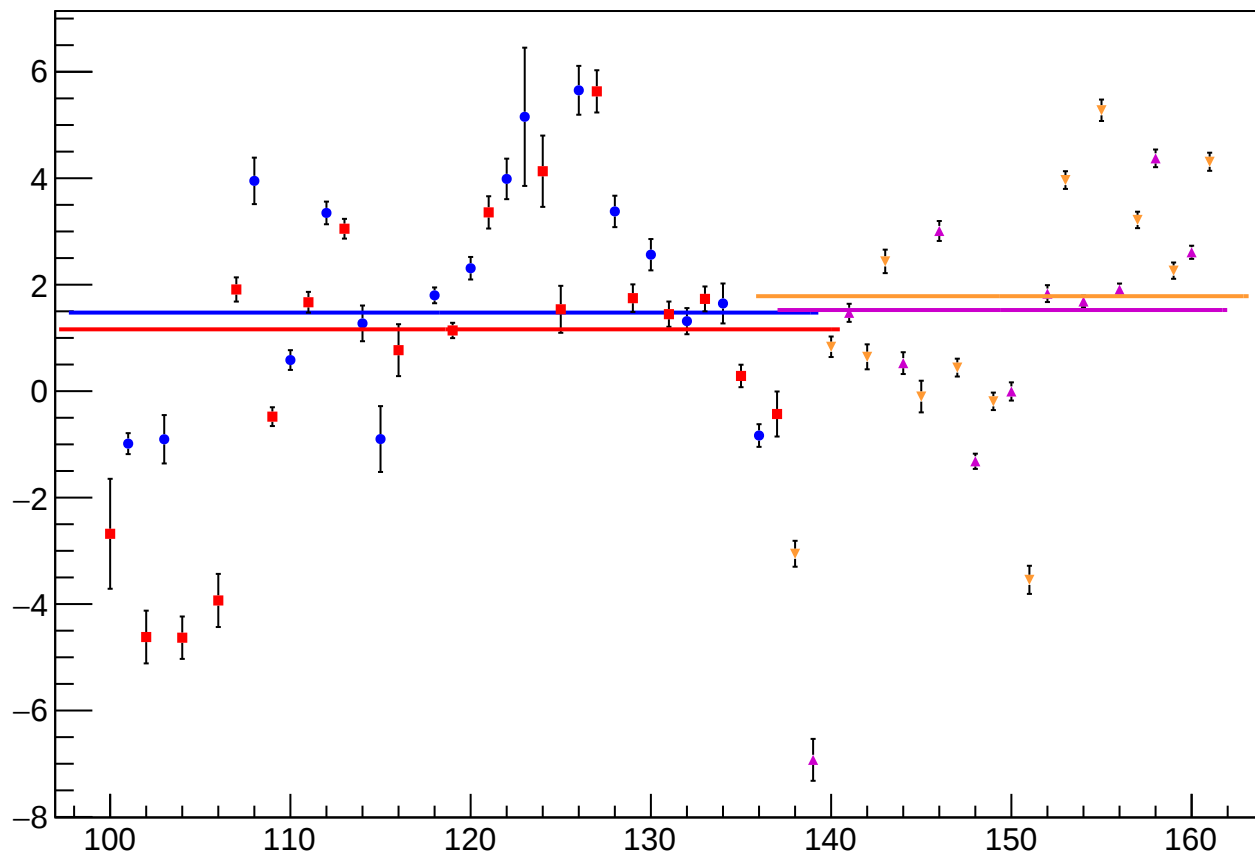
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -19.038+/-0.066 χ^2/NDF : 35415.5/10

-24.775+/-0.074 χ^2/NDF : 51106.4/12

-19.038+/-0.066 χ^2/NDF : 35415.5/10

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 1.784 ± 0.053 χ^2/NDF : 1897.7/12

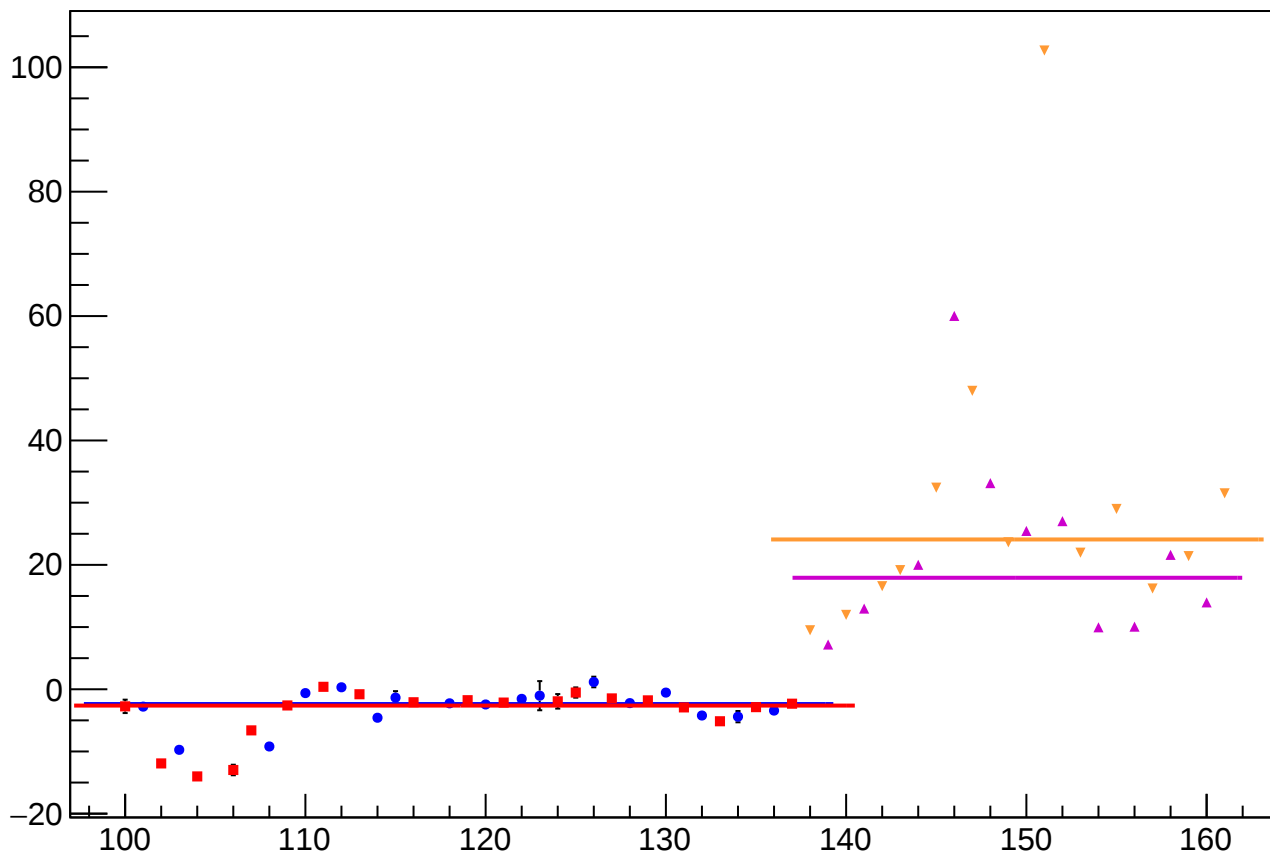
Right Out: 1.161 ± 0.060 χ^2/NDF : 917.9/18

Left In: 1.524 ± 0.046 χ^2/NDF : 1411.8/10

1.659 ± 0.041 χ^2/NDF : 2571.2/29

1.390 ± 0.036 χ^2/NDF : 2352.8/29

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 24.085 ± 0.072 χ^2/NDF : 45994.1/12

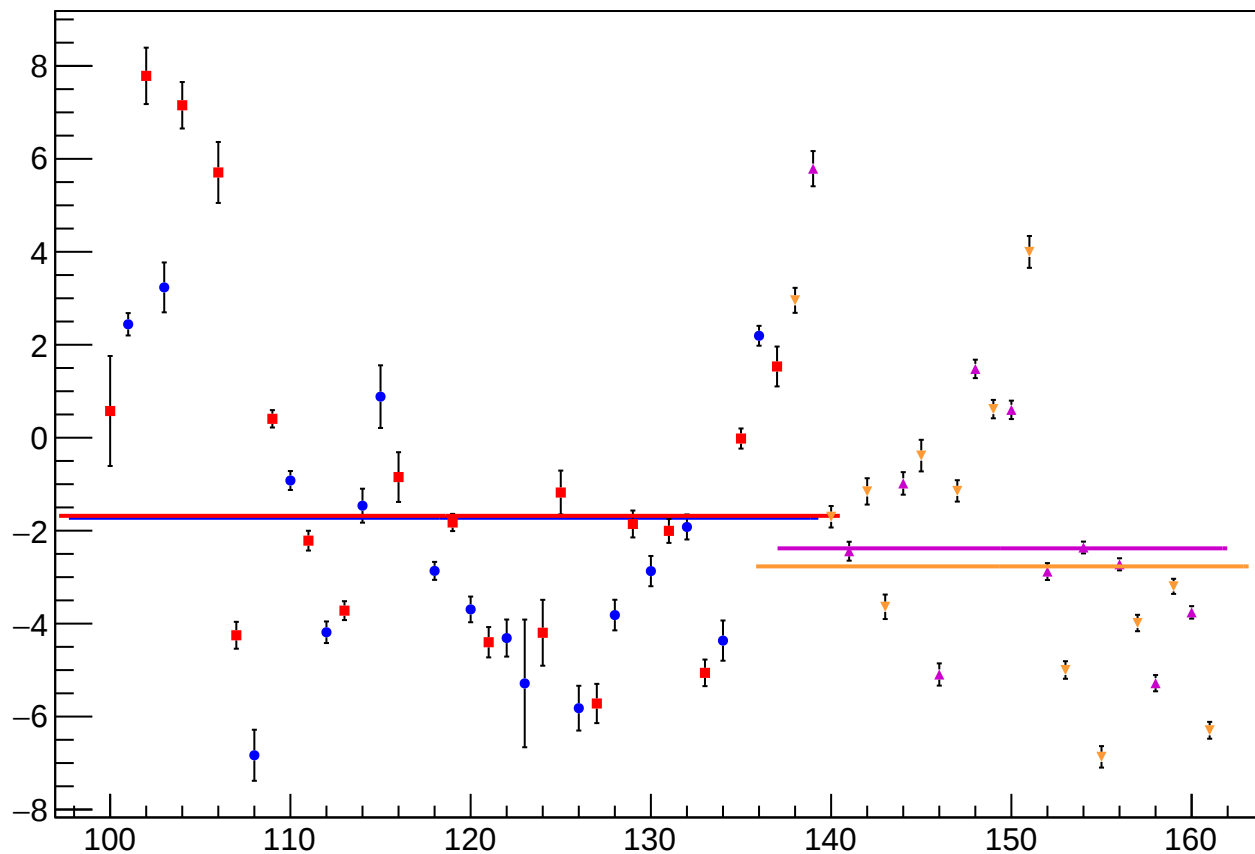
Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

Left In: 17.925 ± 0.064 χ^2/NDF : 33517.2/10

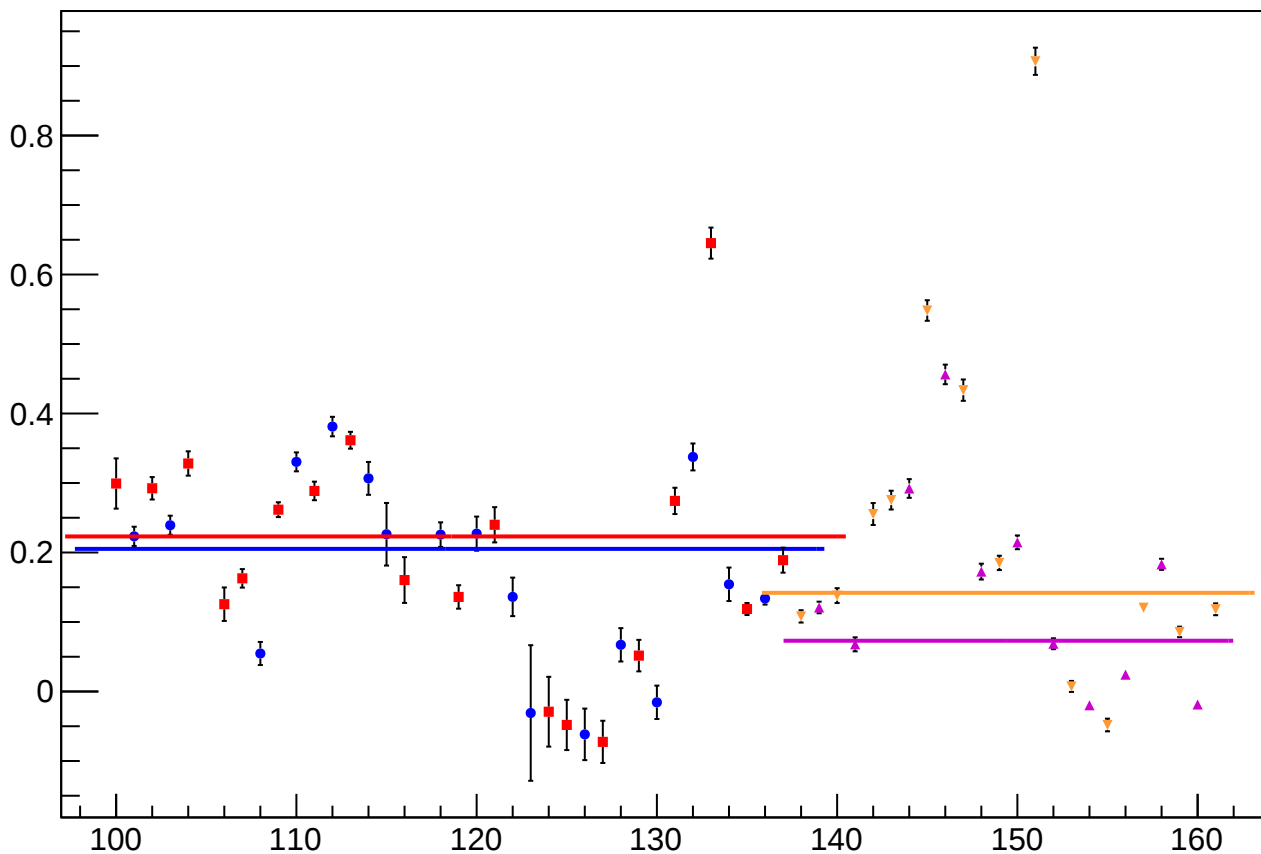
16.573 ± 0.061 χ^2/NDF : 84340.8/29

12.270 ± 0.054 χ^2/NDF : 63060.8/29

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.004 χ^2 /NDF: 650.7/16

Left Out: 0.142 $\pm$ 0.003 χ^2 /NDF: 3618.0/12

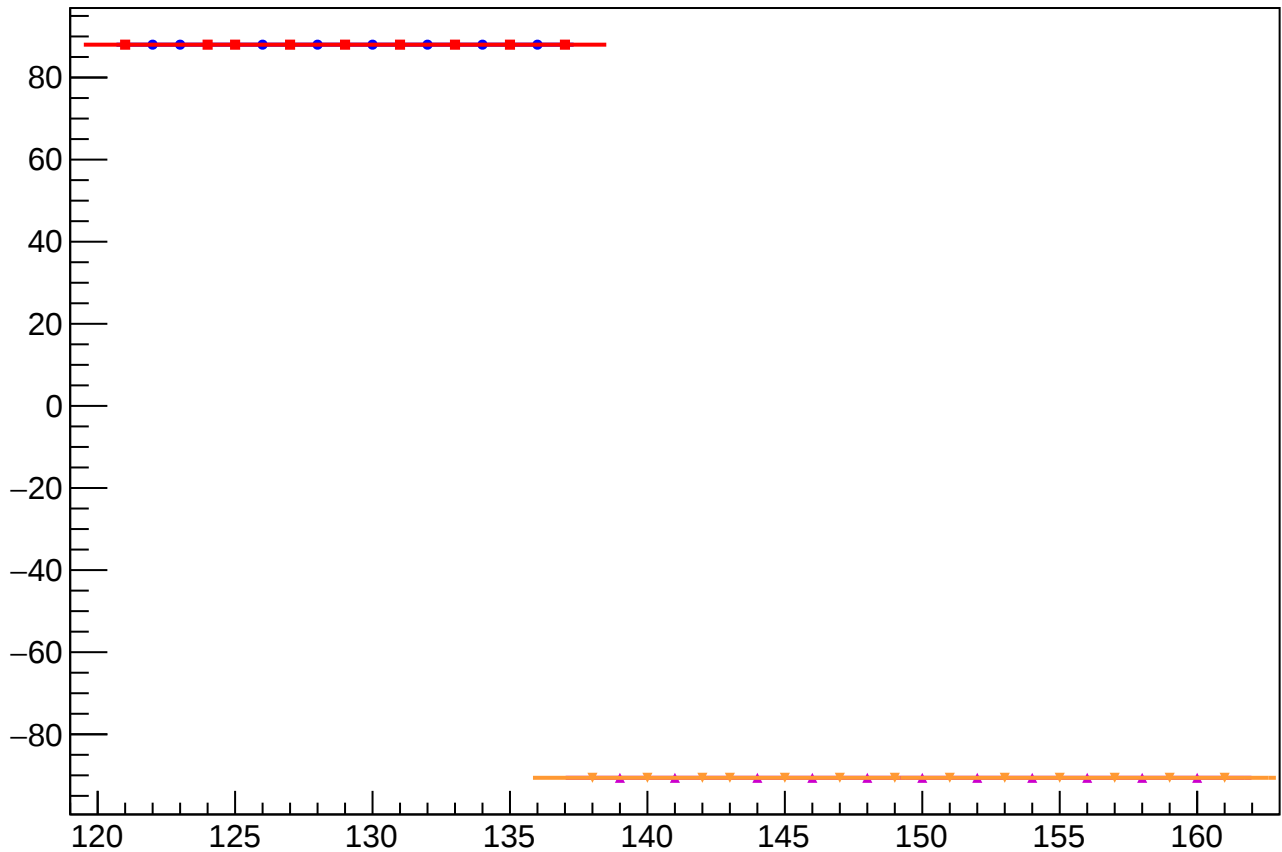
Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1040.5/18

Left In: 0.073 $\pm$ 0.002 χ^2 /NDF: 2131.3/10

0.160 $\pm$ 0.002 χ^2 /NDF: 4423.6/29

0.113 $\pm$ 0.002 χ^2 /NDF: 4290.8/29

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 714089.5/7

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 3872360.4/12

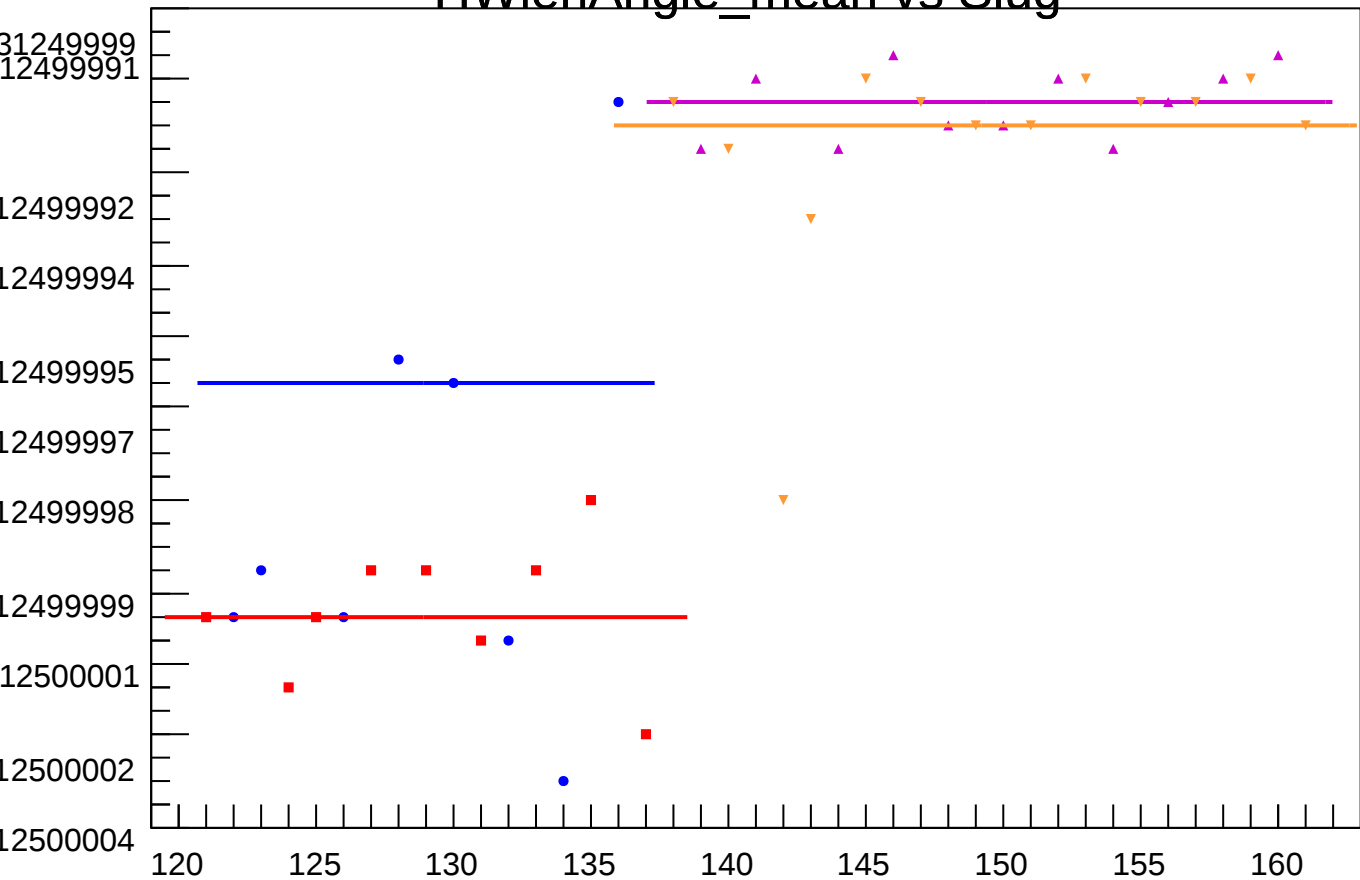
Right Out: 88.001 $\pm$ 0.000 χ^2 /NDF: 109456.0/8

Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 579793.8/10

-45.354 $\pm$ 0.000 χ^2 /NDF: 81454630655999913

-44.984 $\pm$ 0.000 χ^2 /NDF: 75765955109687618

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 :179948.6/12

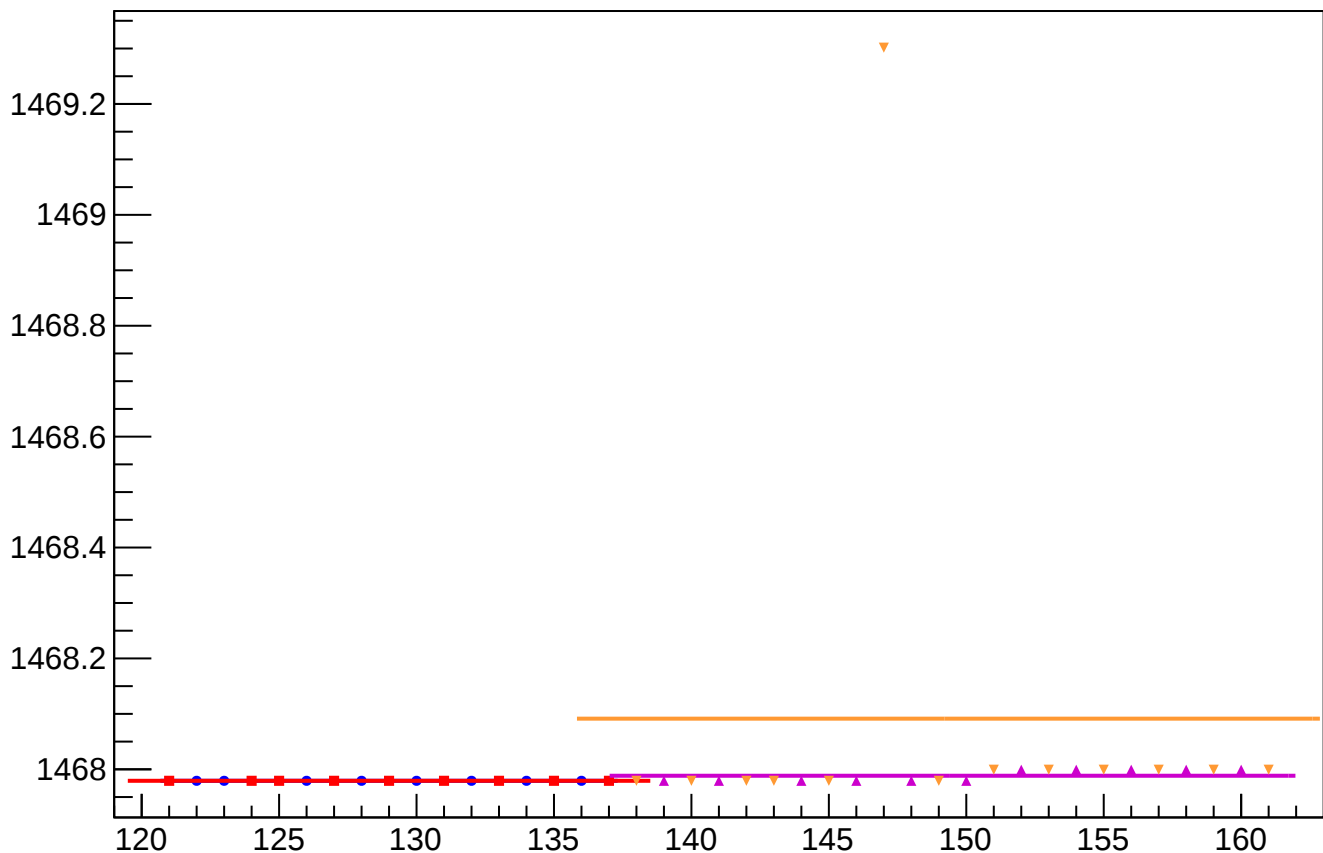
Right Out: -29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: -29.641+/-0.000 χ^2/NDF :26556.2/10

-29.641+/-0.000 χ^2/NDF : 1106651.9/20

-29.641+/-0.000 χ^2/NDF : 1549322.8/19

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.091+/-0.000 χ^2/NDF : 123899422189392755615913331392512.0/12

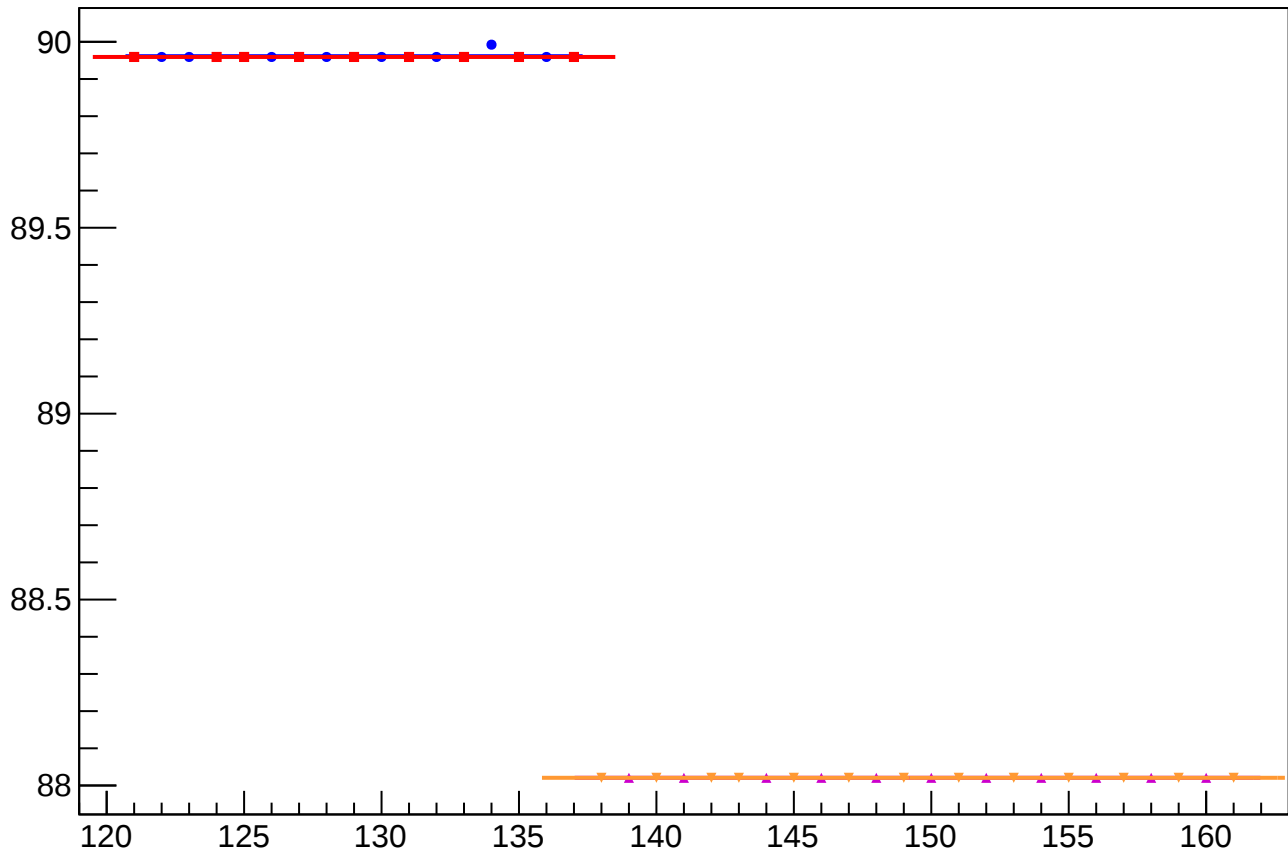
Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: 1467.988+/-0.000 χ^2/NDF : 92276989220126965117944332288.0/10

1468.063+/-0.000 χ^2/NDF : 1271070272381221

1467.986+/-0.000 χ^2/NDF : 1120256204543387

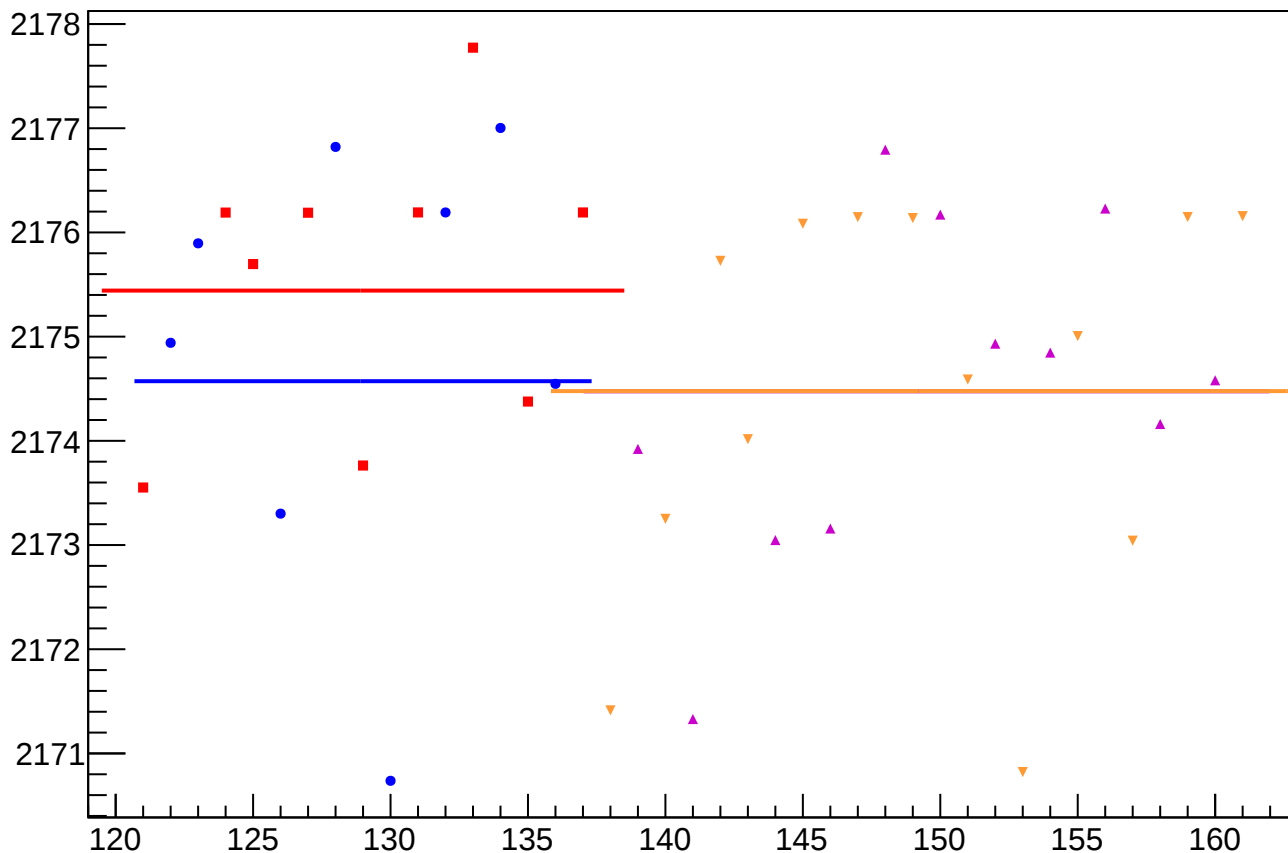
Phi_FG_mean vs Slug



88.512 $\pm$ 0.000 χ^2 /NDF: 961711868088605173

88.516 $\pm$ 0.000 χ^2 /NDF: 89265740031156603

HALLA_p_mean vs Slug



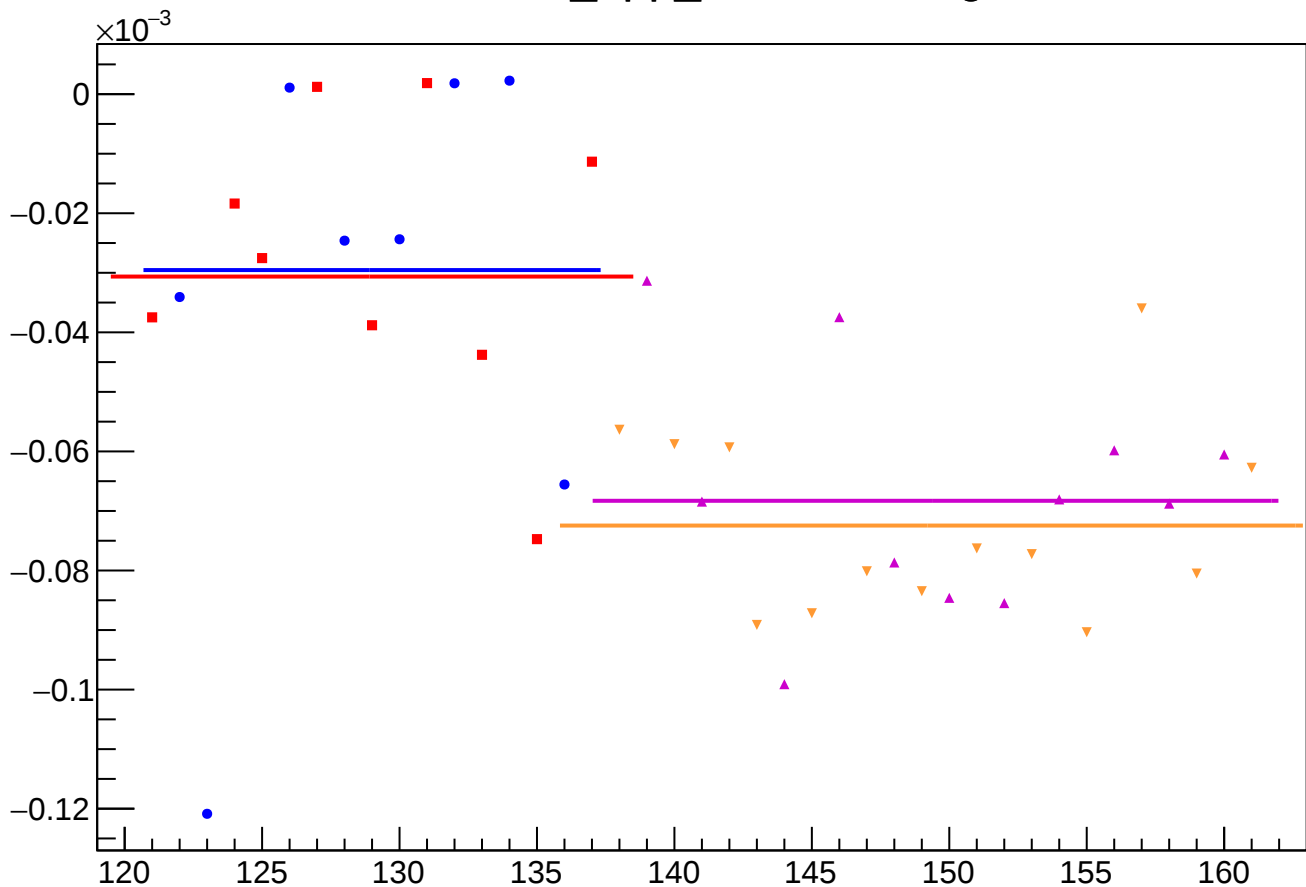
Right In: 2174.572 ± 0.000 $\chi^2/\text{NDF}: 1360264074026849381407550448074752.0/7$

Left Out: 2174.477 ± 0.000 $\chi^2/\text{NDF}: 3401346165796140468266581840887808.0/12$

Right Out: 2175.442 ± 0.000 $\chi^2/\text{NDF}: 610778445075790556034346524868608.0/8$

Left In: 2174.475 ± 0.000 $\chi^2/\text{NDF}: 2187961060873534678742783926206464.0/10$

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 : 241911713967796215873536.0/12

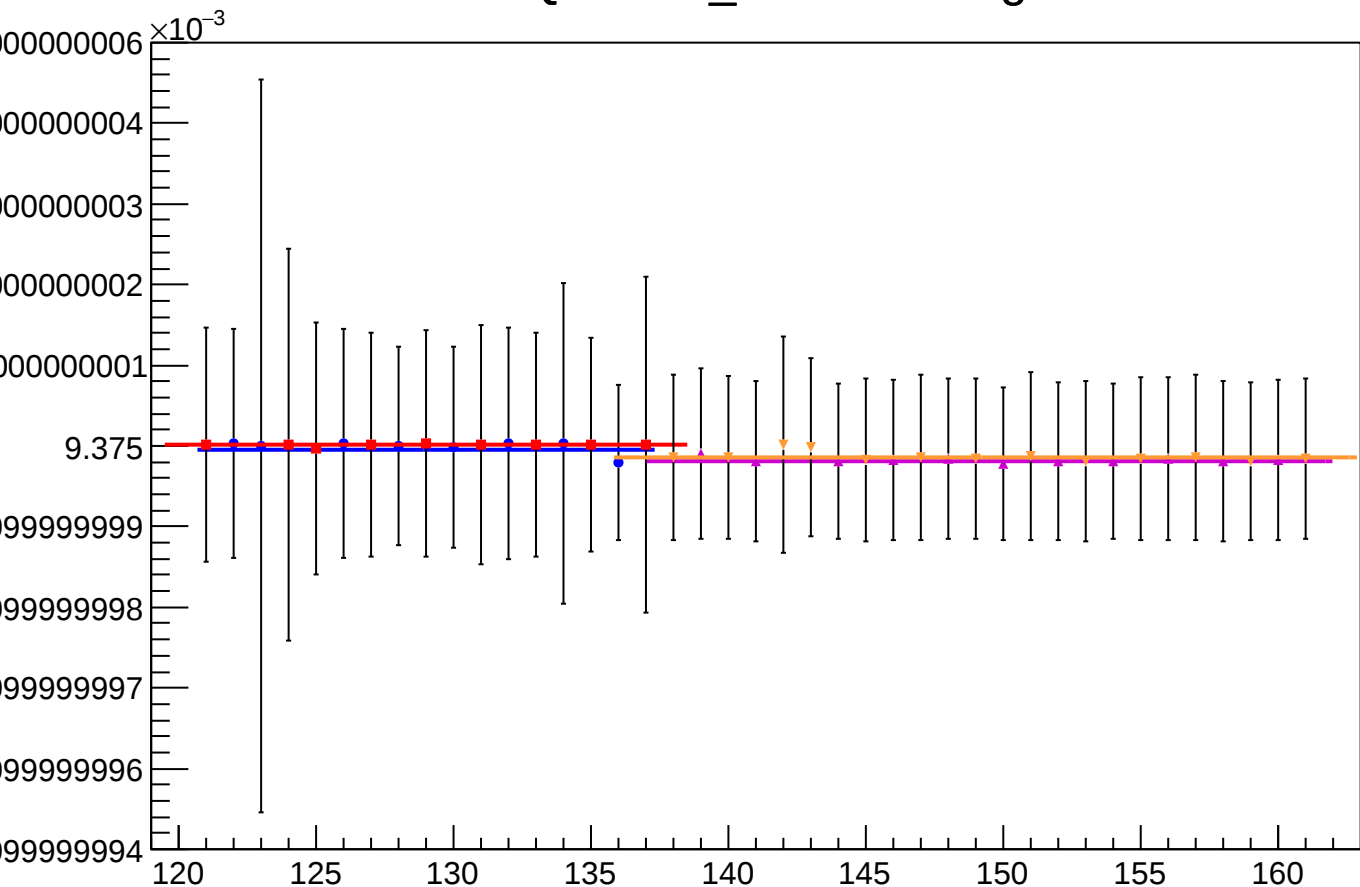
Right Out: -0.000+/-0.000 χ^2/NDF : 196732771178766734983168.0/8

Left In: -0.000+/-0.000 χ^2/NDF : 334112562315738610663424.0/10

-0.000+/-0.000 χ^2/NDF : 962194510110055945

-0.000+/-0.000 χ^2/NDF : 867709270158342002

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: 0.0/12

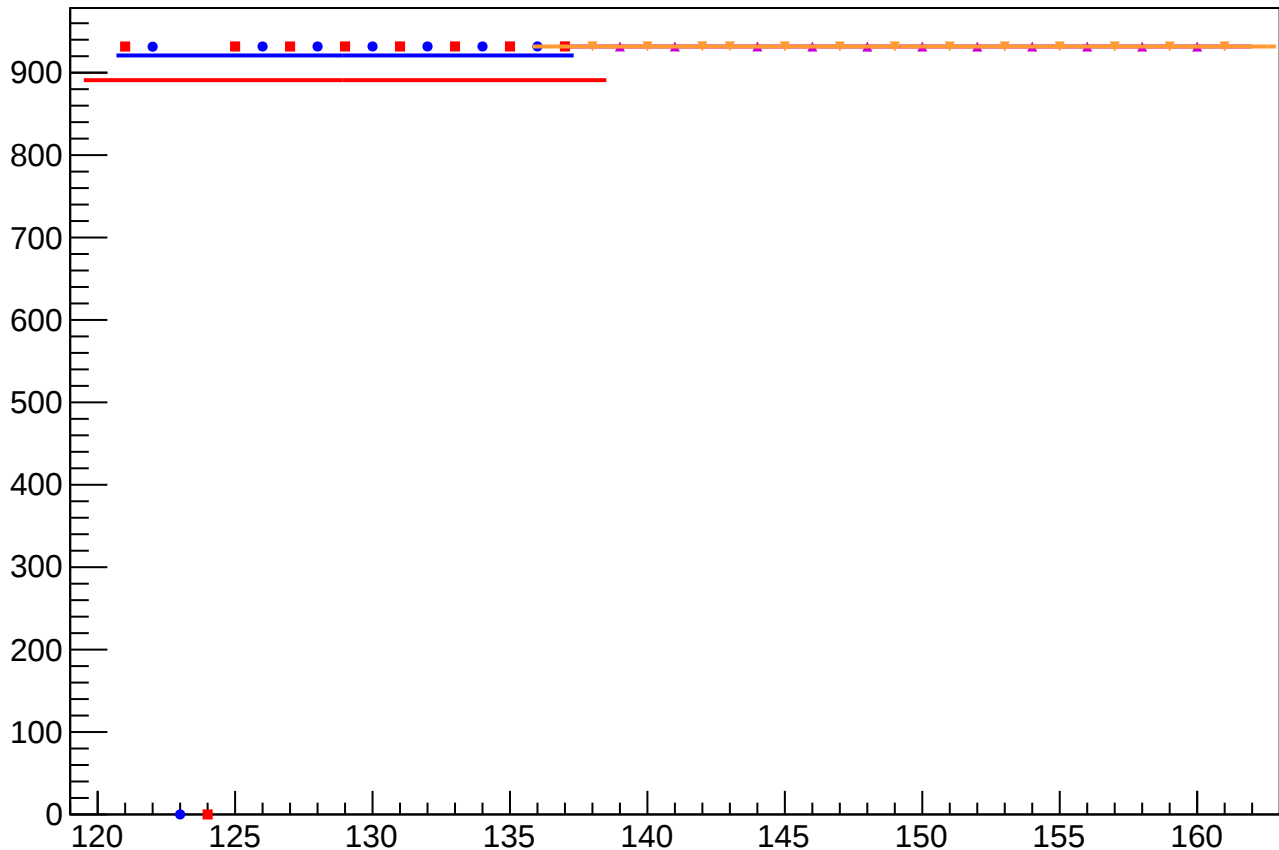
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/10

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

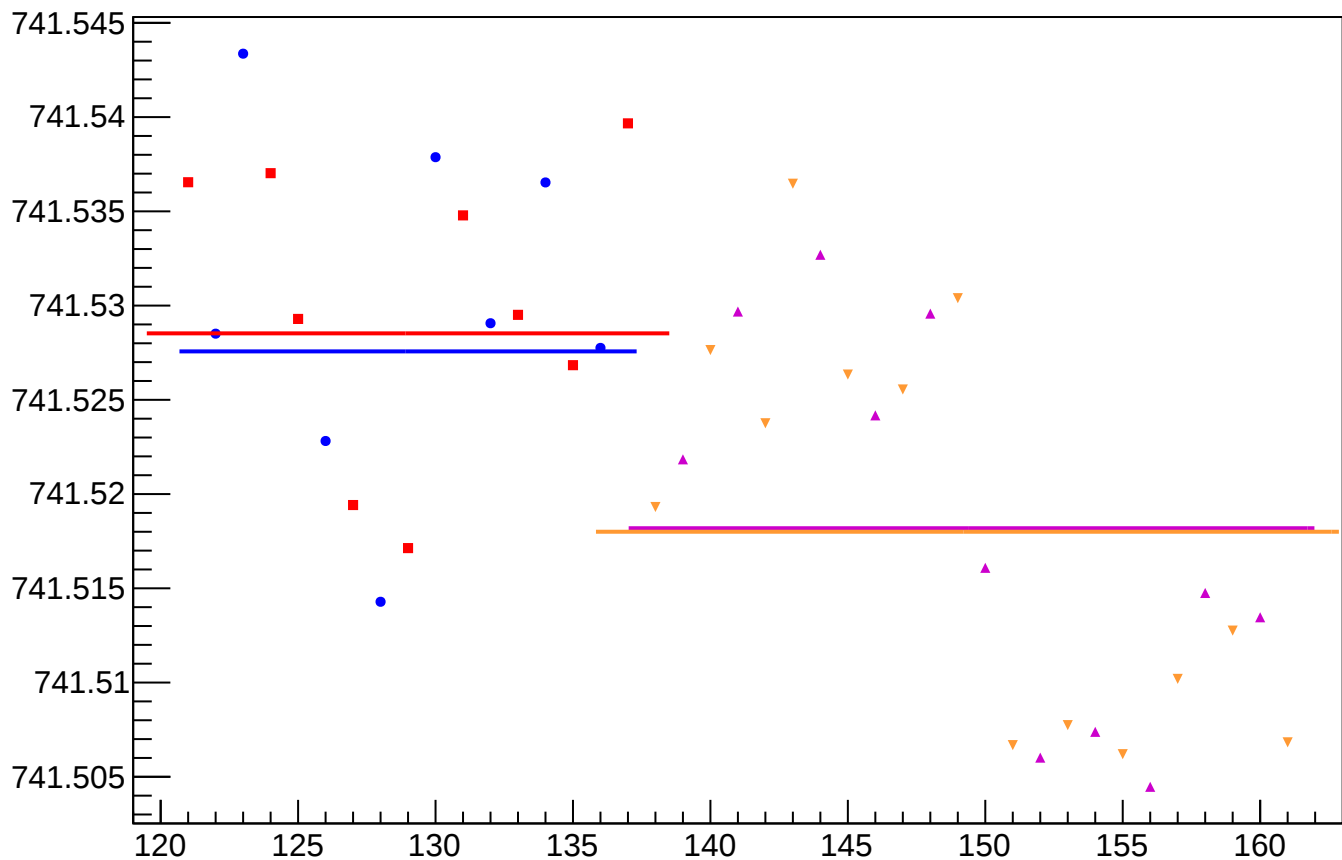
0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/19

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
Left Out: 931.785+/-0.000 χ^2/NDF : 3824096995025246389004459311104.0/12
Right Out: 890.923+/-0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
Left In: 931.772+/-0.000 χ^2/NDF : 3336116020994260383725726466048.0/10

HacL_D1_HP3458A_IOUT_mean vs Slug



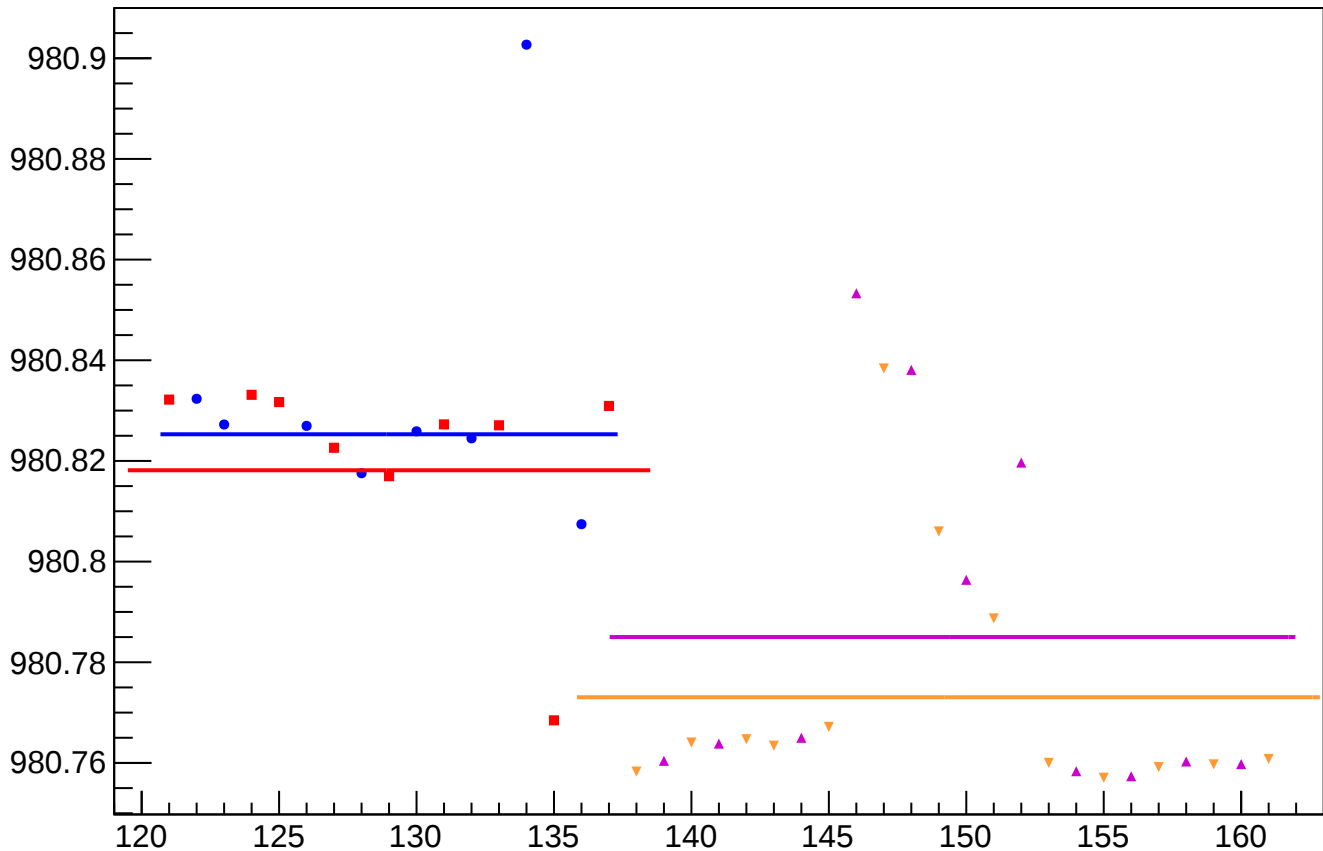
Right In: 741.528 $\pm$ 0.000 χ^2 /NDF: 18896144326732419810052800512.0/7

Left Out: 741.518 $\pm$ 0.000 χ^2 /NDF: 102751145083428582270445813760.0/12

Right Out: 741.529 $\pm$ 0.000 χ^2 /NDF: 16580353917842624420385914880.0/8

Left In: 741.518 $\pm$ 0.000 χ^2 /NDF: 86406261515950598750822465536.0/10

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.773+/-0.000 χ^2/NDF : 556977984966251931491534635008.0/12

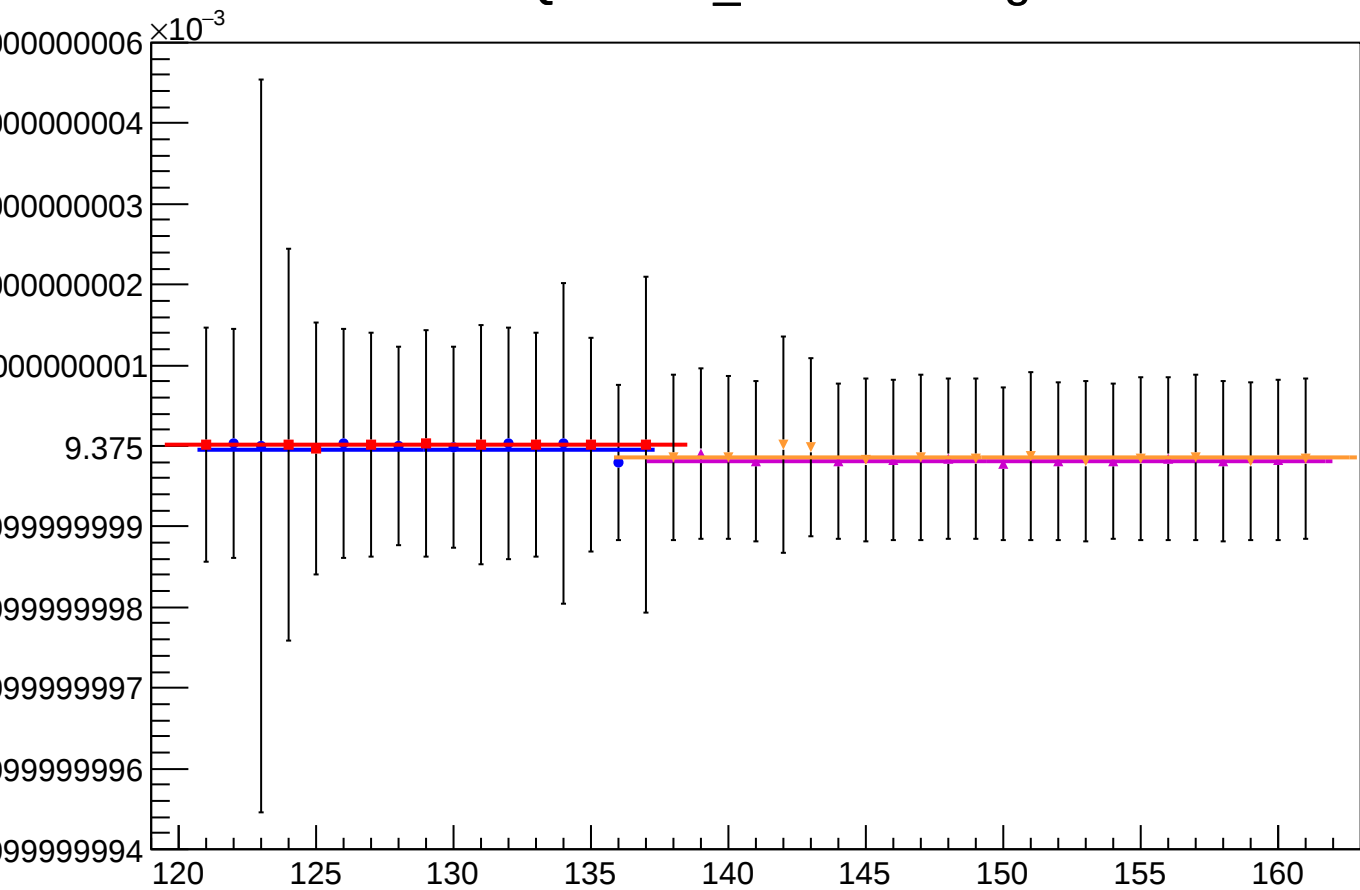
Right Out: 980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: 980.785+/-0.000 χ^2/NDF : 1087775745028858896175278850048.0/10

980.786+/-0.000 χ^2/NDF : 14133050359514865

980.793+/-0.000 χ^2/NDF : 14921920738253615

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/12

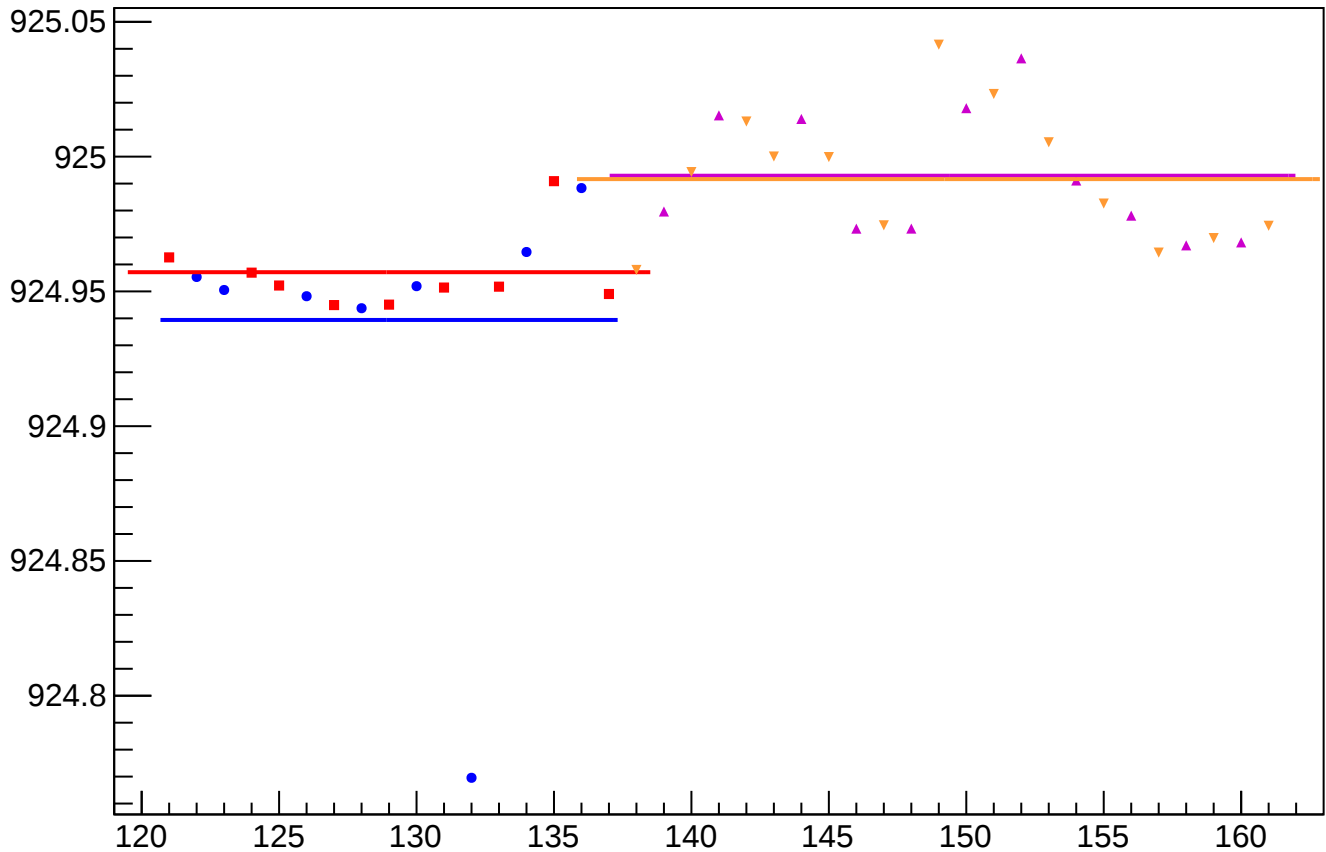
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/10

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/19

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.992+/-0.000 χ^2/NDF : 576910281410058942998342795264.0/12

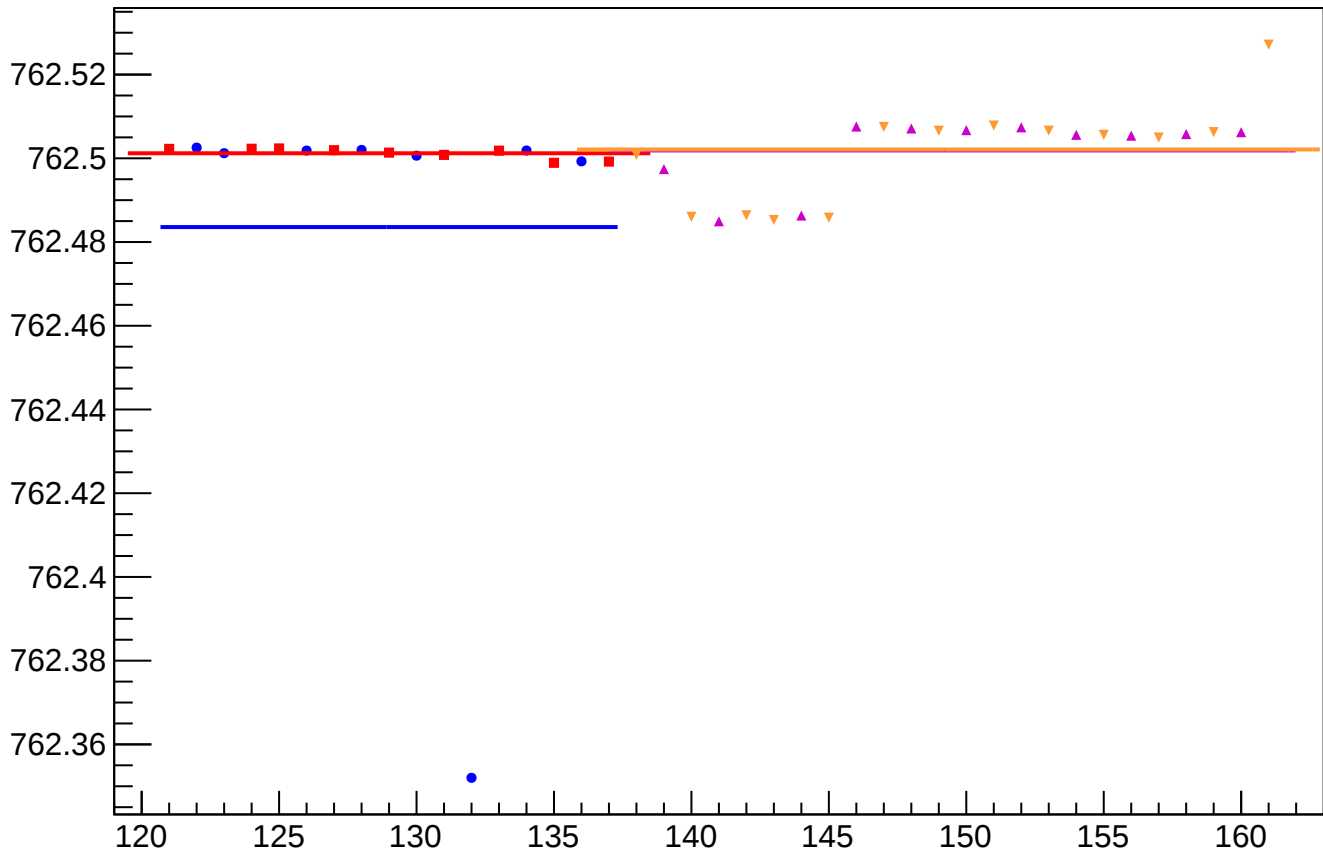
Right Out: 924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8

Left In: 924.993+/-0.000 χ^2/NDF : 506919503918362546976086556672.0/10

924.978+/-0.000 χ^2/NDF : 26756121439248828

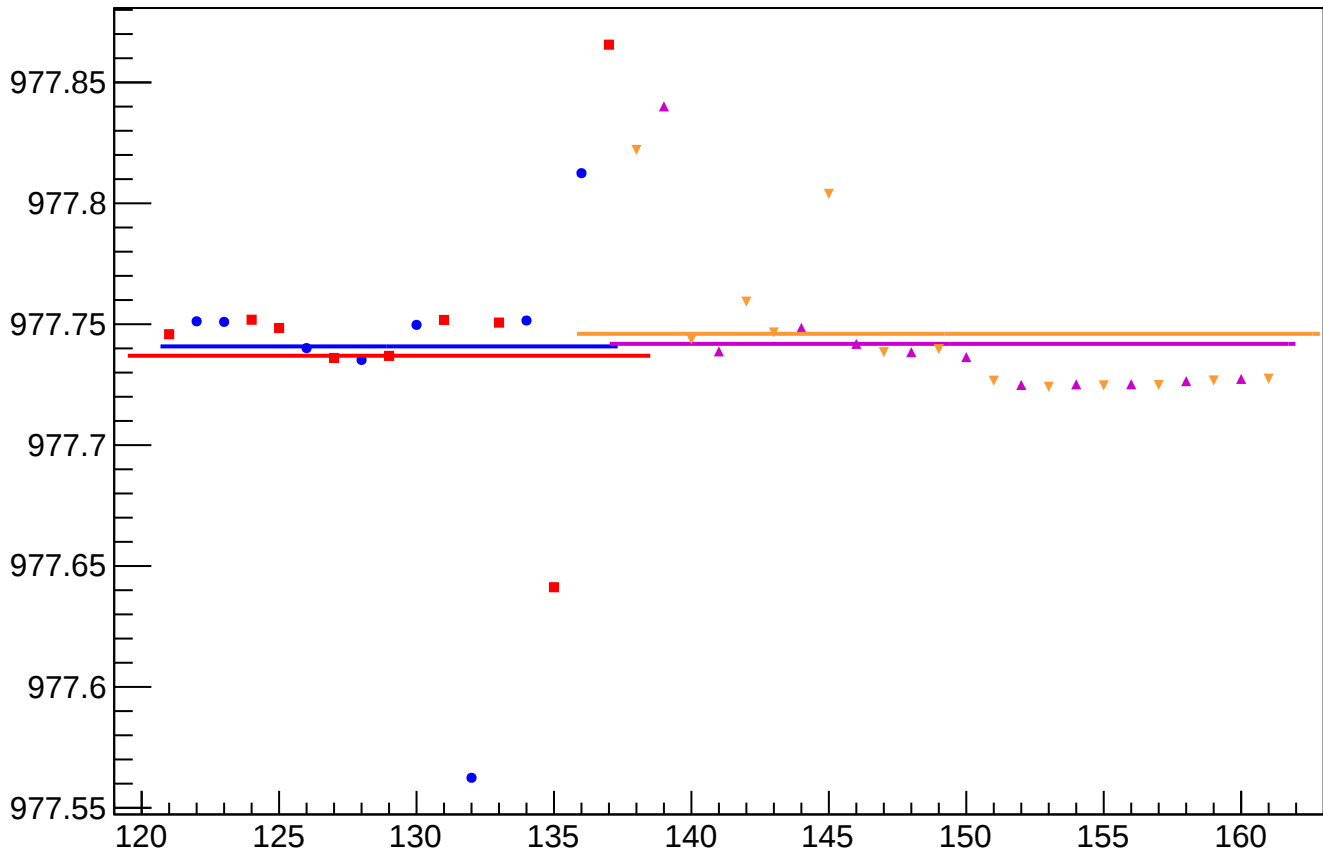
924.984+/-0.000 χ^2/NDF : 88296251515735887

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7
 Left Out: 762.502+/-0.000 χ^2/NDF : 137135941873362296910186020864.0/12
 Right Out: 762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8
 Left In: 762.502+/-0.000 χ^2/NDF : 62257991630181893971424313344.0/10

HacR_Q3_HP3458A_IOUT_mean vs Slug



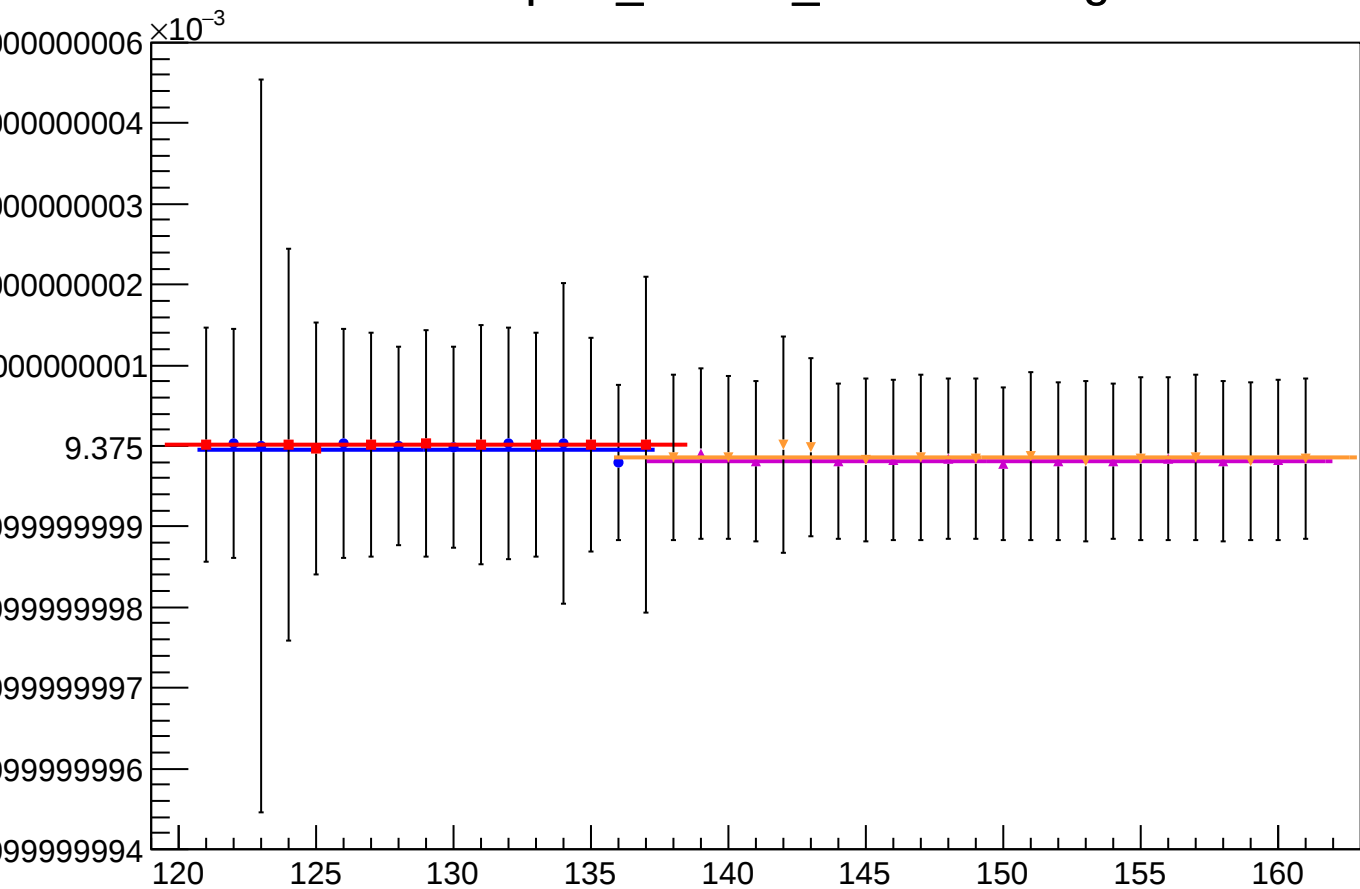
Right In: 977.741 ± 0.000 $\chi^2/NDF: 1738104571804792841781326643200.0/7$

Left Out: 977.746 ± 0.000 $\chi^2/NDF: 941749907070460470743718166528.0/12$

Right Out: 977.737 ± 0.000 $\chi^2/NDF: 772313054358211830610902646784.0/8$

Left In: 977.742 ± 0.000 $\chi^2/NDF: 832245318048187459212006129664.0/10$

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/12

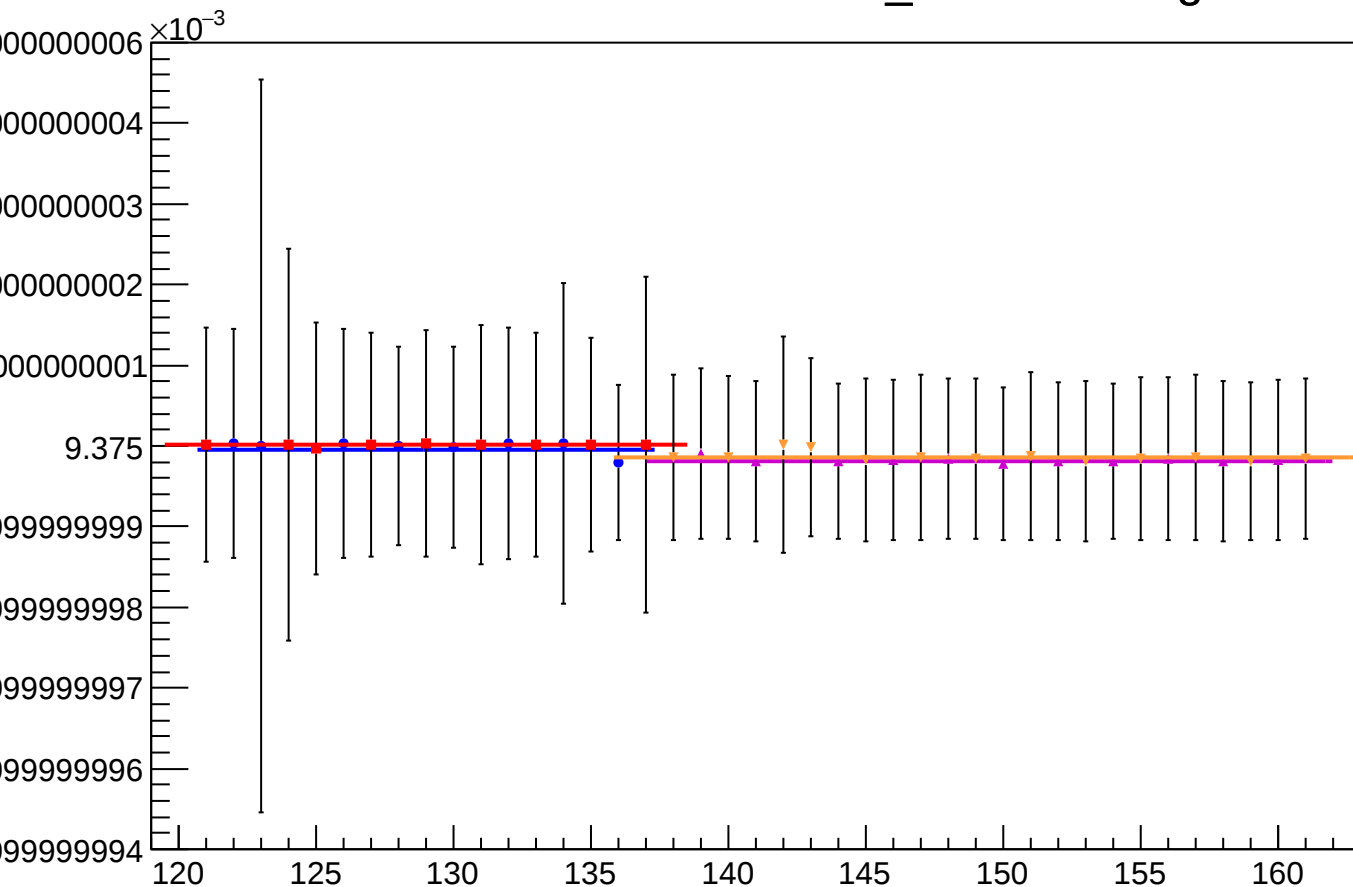
Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/10

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/20

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/19

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: 0.0/12

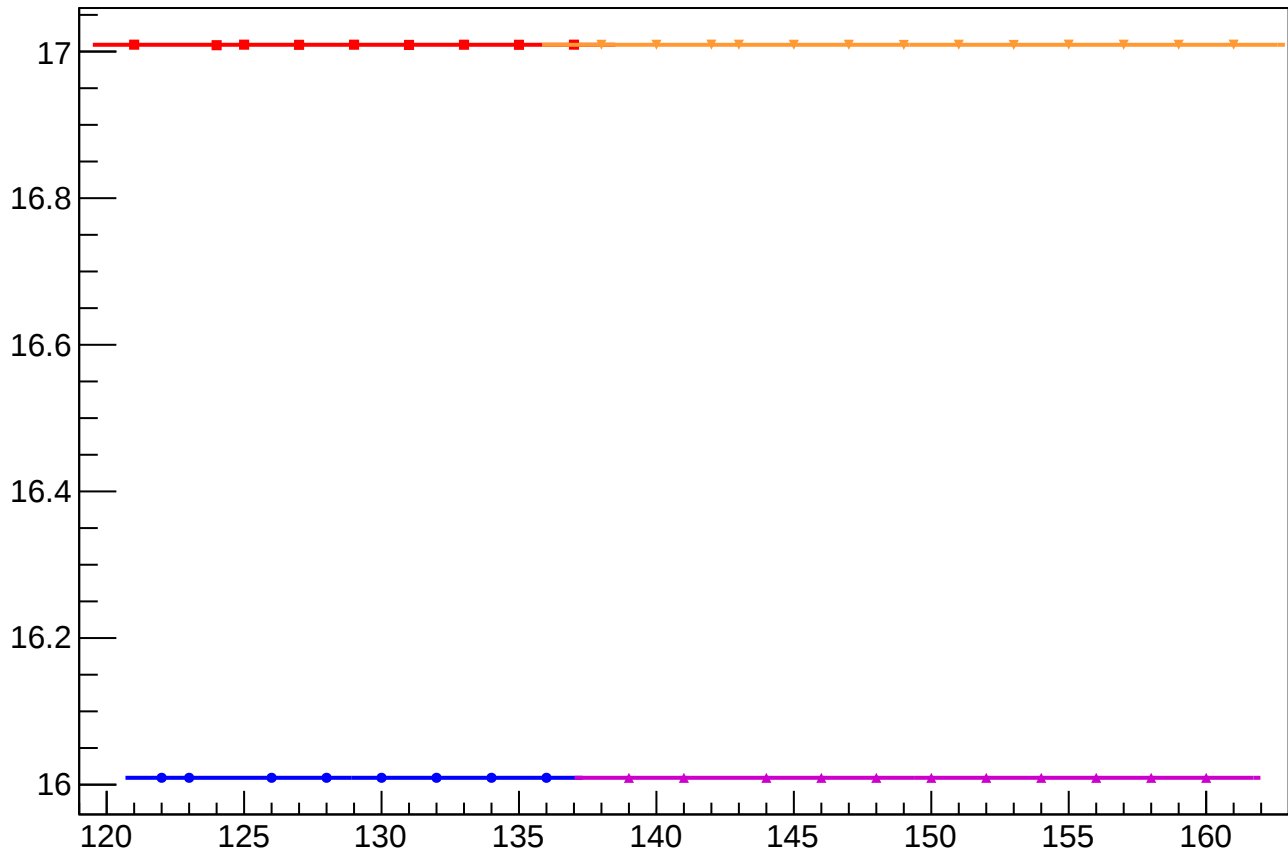
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/10

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/19

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: 11943174513703878800703488.0/12

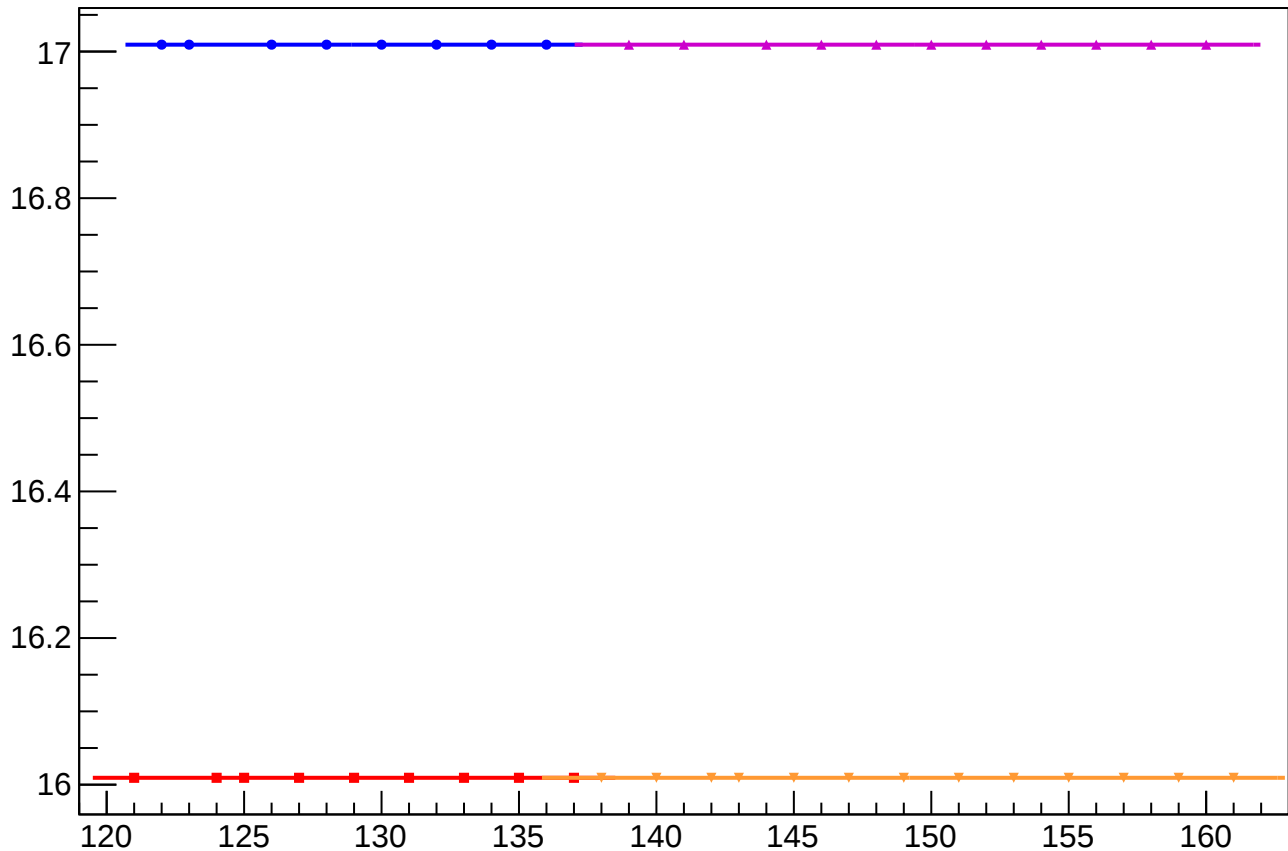
Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 8333578329558812540796928.0/8

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 32551.6/10

16.750 $\pm$ 0.000 χ^2 /NDF: 234151552264205777

16.267 $\pm$ 0.000 χ^2 /NDF: 224253121421627168

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 : 40881.9/12

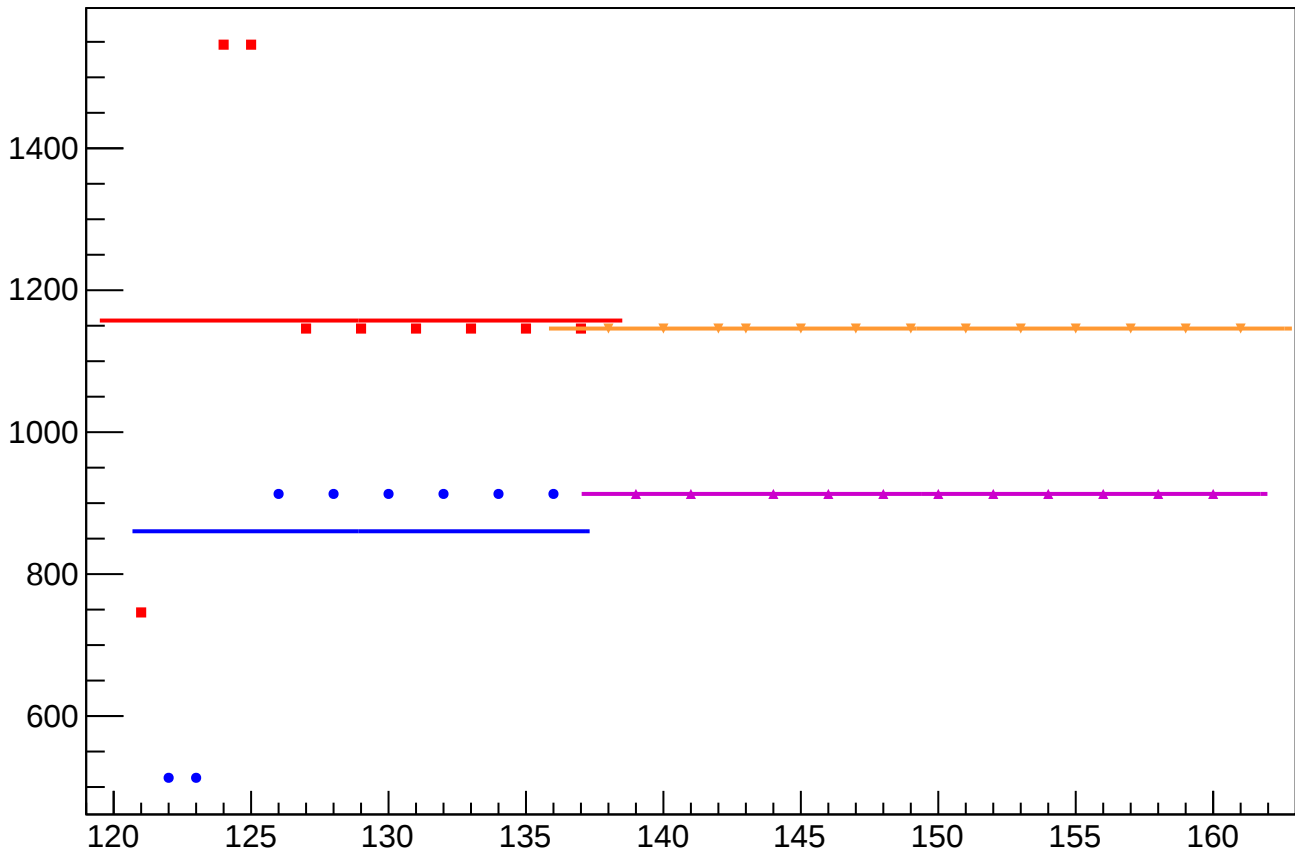
Right Out: 16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: 17.009+/-0.000 χ^2/NDF : 16963.7/10

16.264+/-0.000 χ^2/NDF : 254843517138594940

16.751+/-0.000 χ^2/NDF : 236735650767964830

RTPAPOSUCNT_mean vs Slug



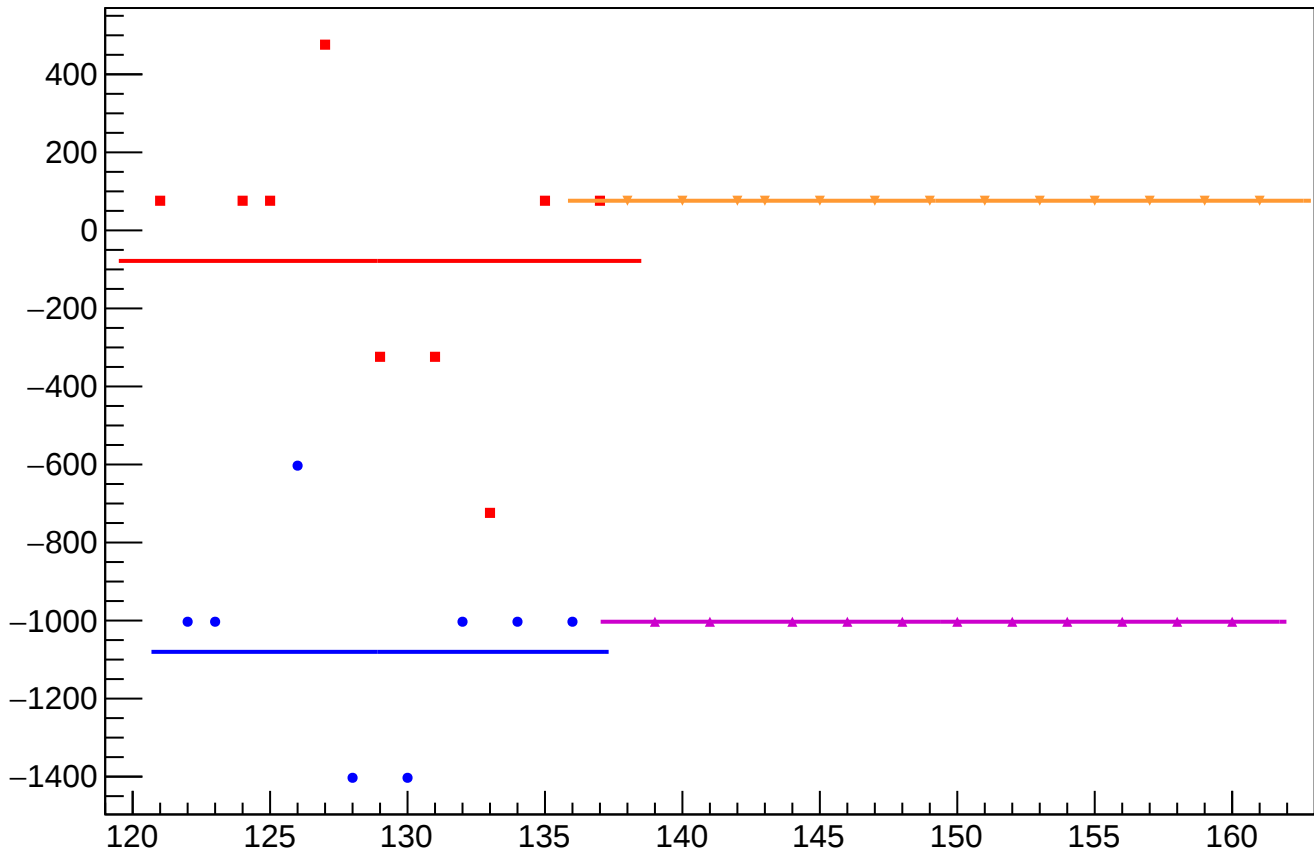
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 3902381054582015082910187520.0/12

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: 912.994+/-0.000 χ^2/NDF : 11064351150695452552636399616.0/10

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 : 4369098972849093630551392256.0/12
 Right Out: -78.224 ± 0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8
 Left In: -1002.990 ± 0.000 χ^2/NDF : 1257940675093186310492389376.0/10