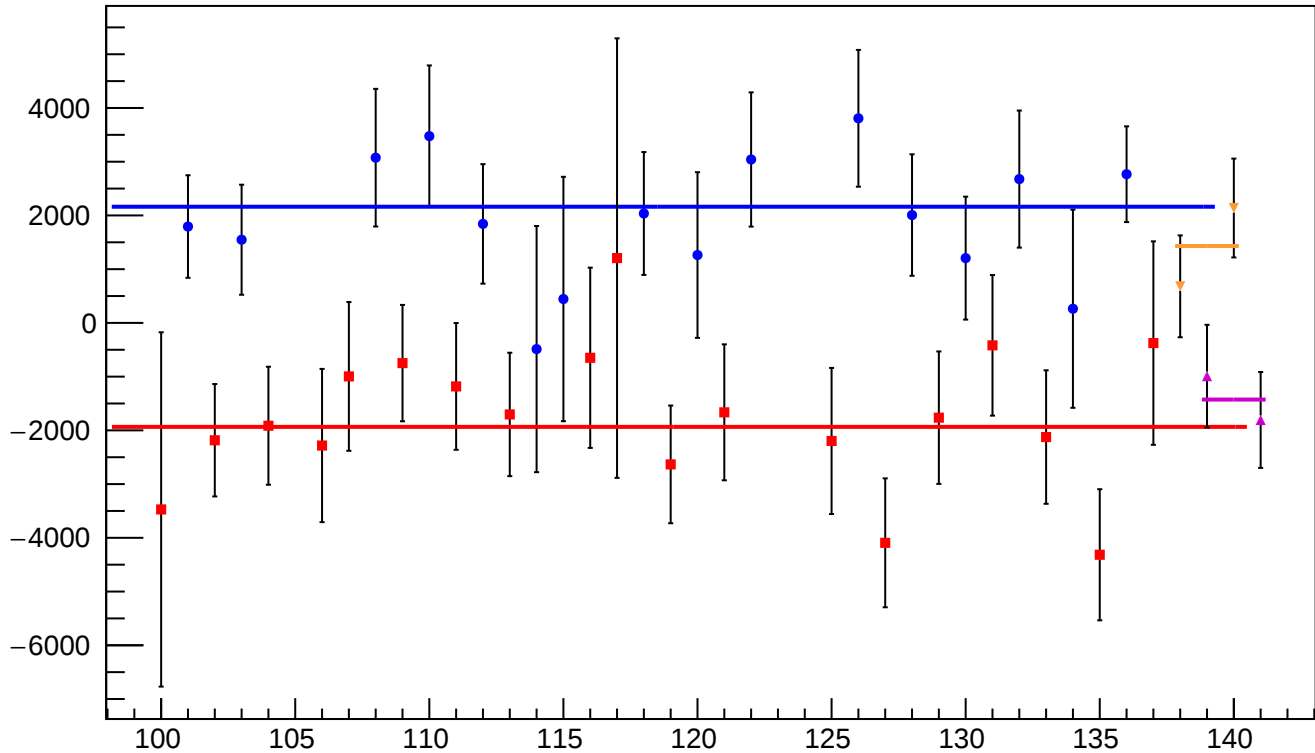


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

2032.105+/-278.612

χ^2/NDF : 11.1/17

Left Out: 1431.048+/-660.272

χ^2/NDF : 1.2/1

Right Out: -1935.183+/-299.773

χ^2/NDF : 13.2/18

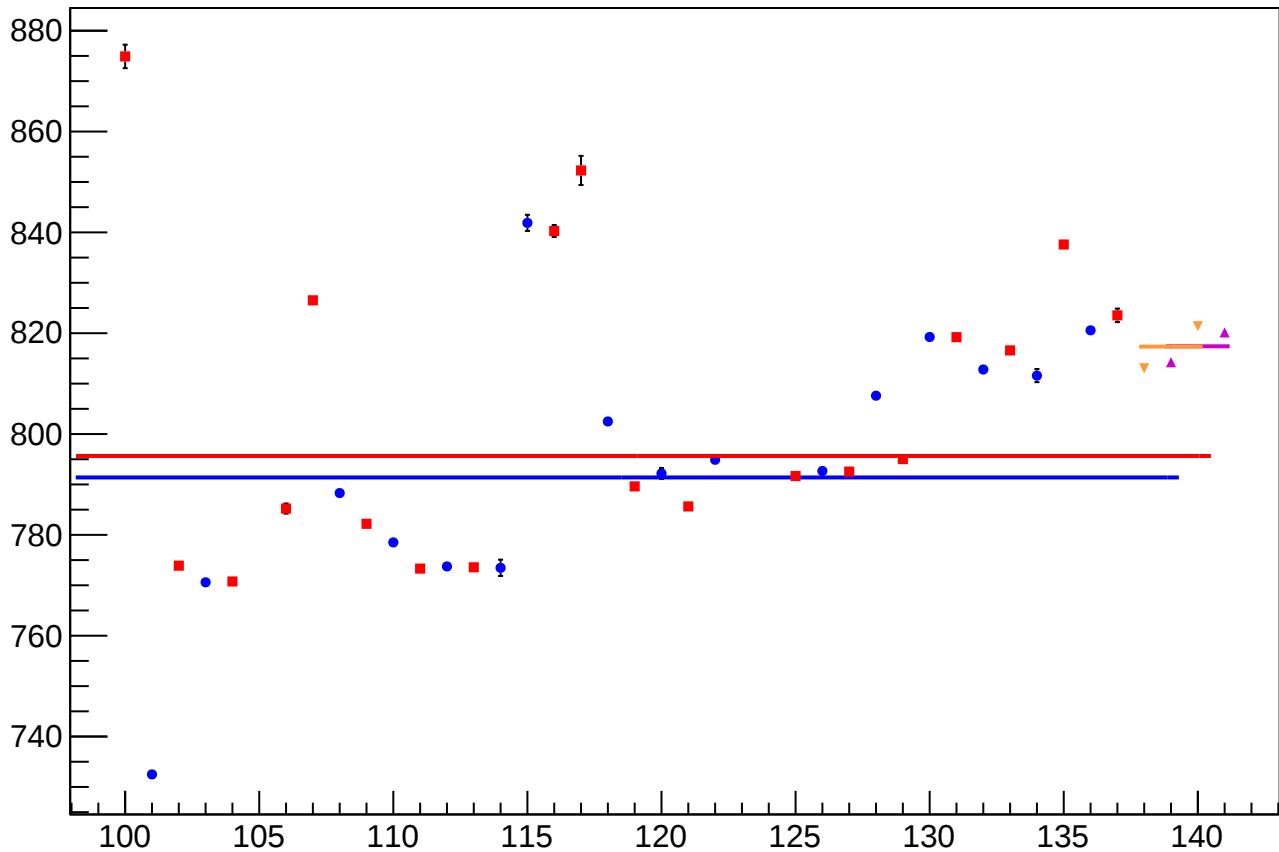
-1846.508+/-272.383

χ^2/NDF : 14.1/20

Left In: -1426.698+/-652.256

χ^2/NDF : 0.4/1

reg_asym_us_avg_rms vs Slug



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

Left Out: 817.341+/-0.467 χ^2/NDF : 79.7/1

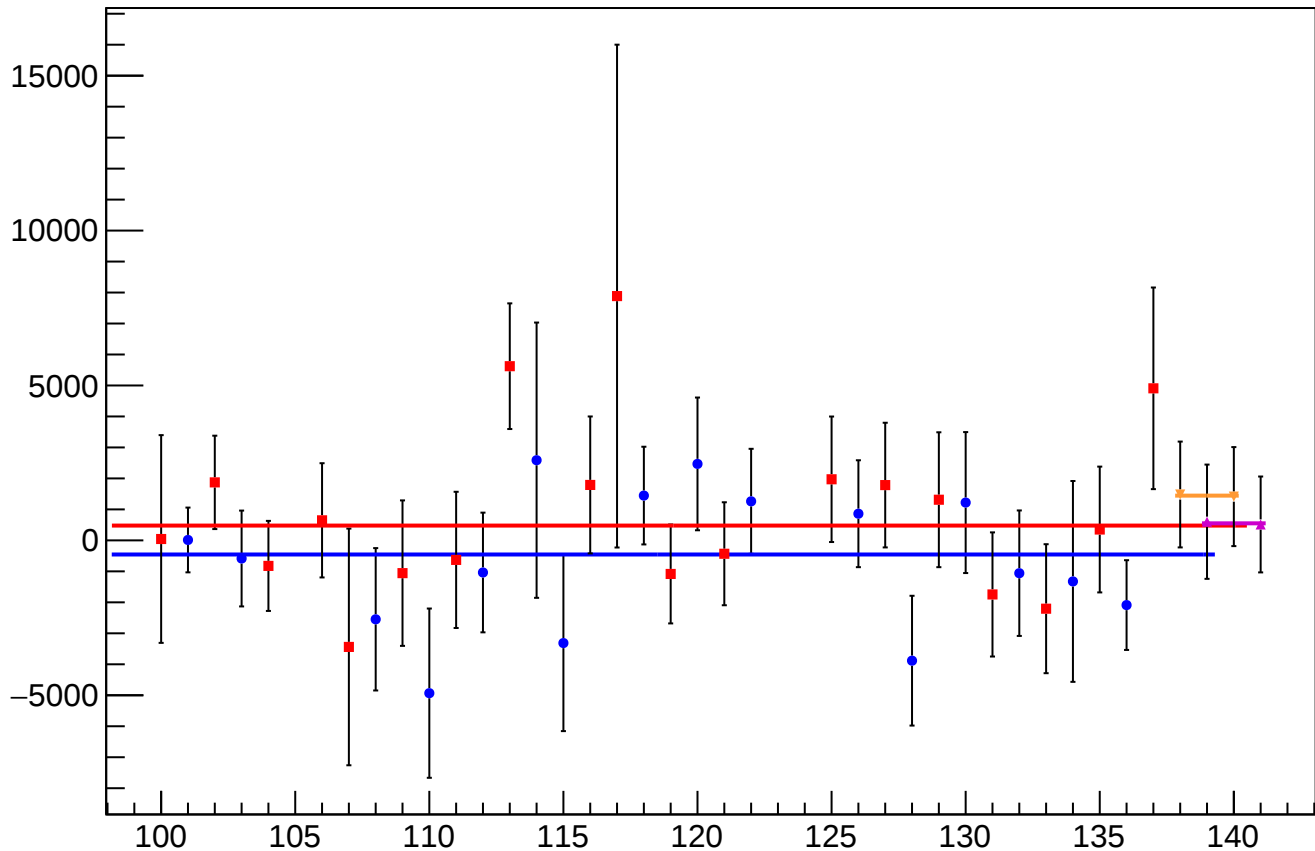
Right Out: 795.650+/-0.212 χ^2/NDF : 11945.4/18

Left In: 817.404+/-0.461 χ^2/NDF : 40.9/1

796.011+/-0.197 χ^2/NDF : 17627.2/17

799.444+/-0.193 χ^2/NDF : 13822.9/20

asym_us_avg_correction_mean vs Slug



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

Left Out: 1444.597+/-1166.980 χ^2/NDF : 0.0/1

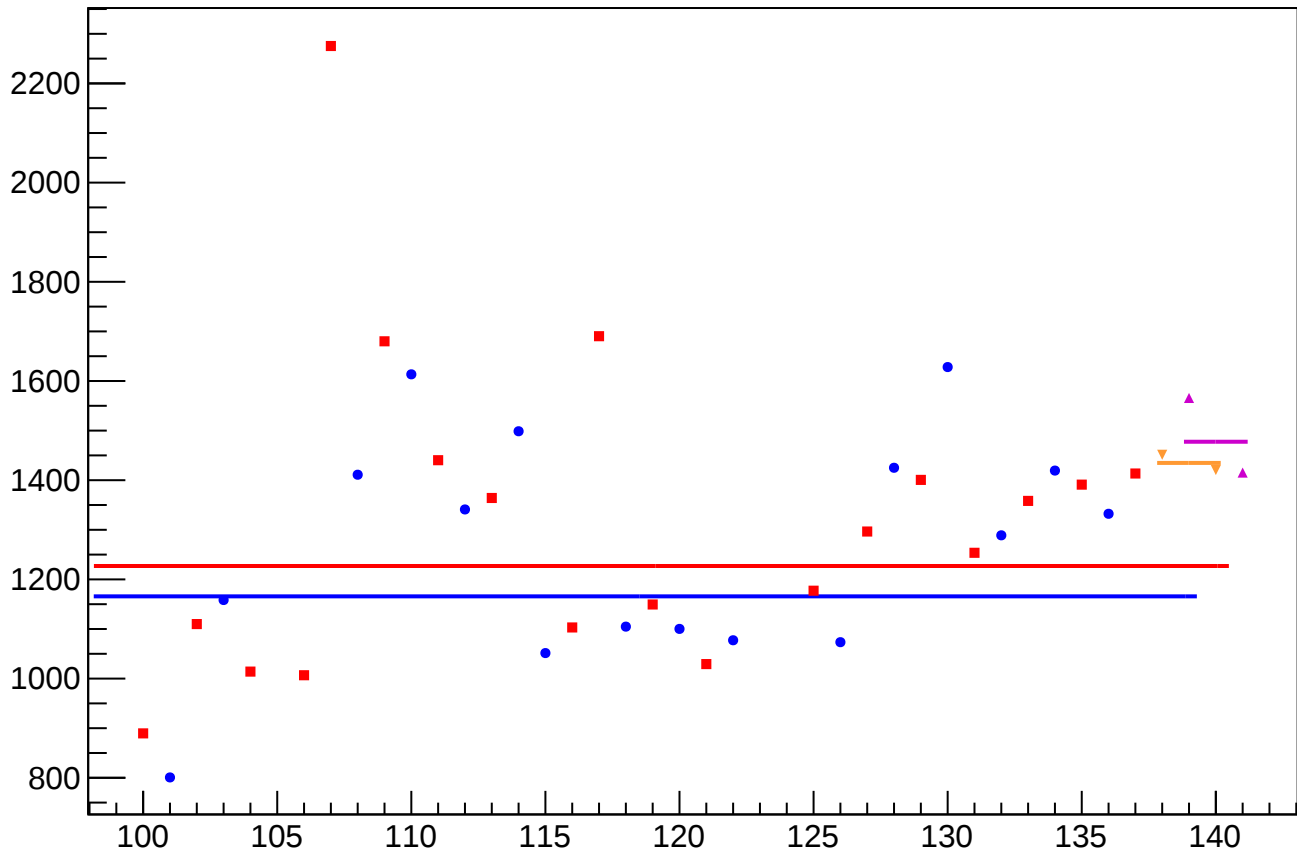
Right Out: 477.782+/-471.960 χ^2/NDF : 18.2/18

Left In: 550.266+/-1185.453 χ^2/NDF : 0.0/1

-196.044+/-431.354 χ^2/NDF : 17.2/17

487.699+/-438.487 χ^2/NDF : 18.2/20

asym_us_avg_correction_rms vs Slug



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

Left Out: 1434.847 $\pm$ 0.825 χ^2 /NDF: 347.4/1

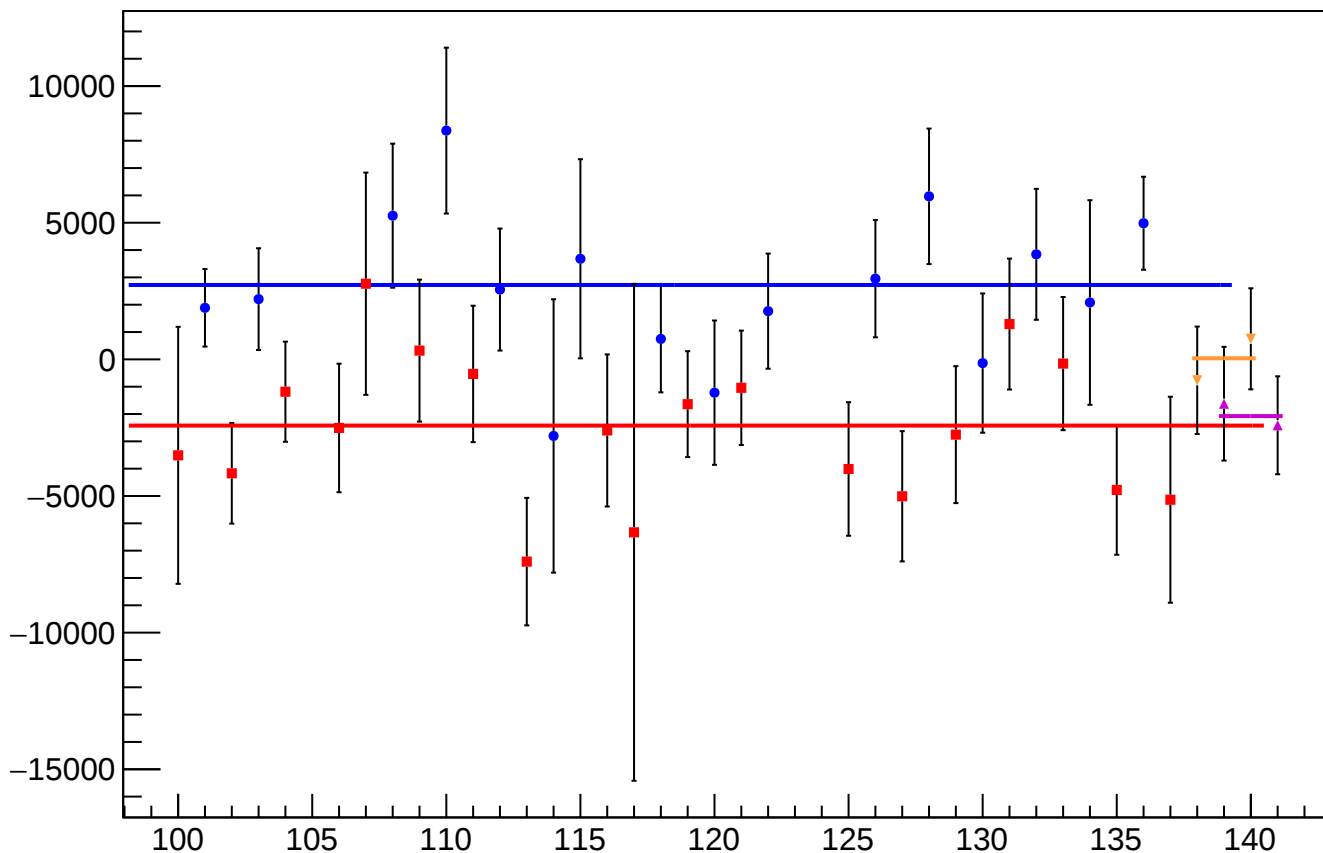
Right Out: 1227.021 $\pm$ 0.334 χ^2 /NDF: 446961.2/18

Left In: 1477.542 $\pm$ 0.838 χ^2 /NDF: 7814.5/1

1202.570 $\pm$ 0.305 χ^2 /NDF: 618922.4/17

1261.296 $\pm$ 0.310 χ^2 /NDF: 531875.5/20

asym_us_avg_mean vs Slug



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

Left Out: 39.432+/-1347.291 χ^2/NDF : 0.3/1

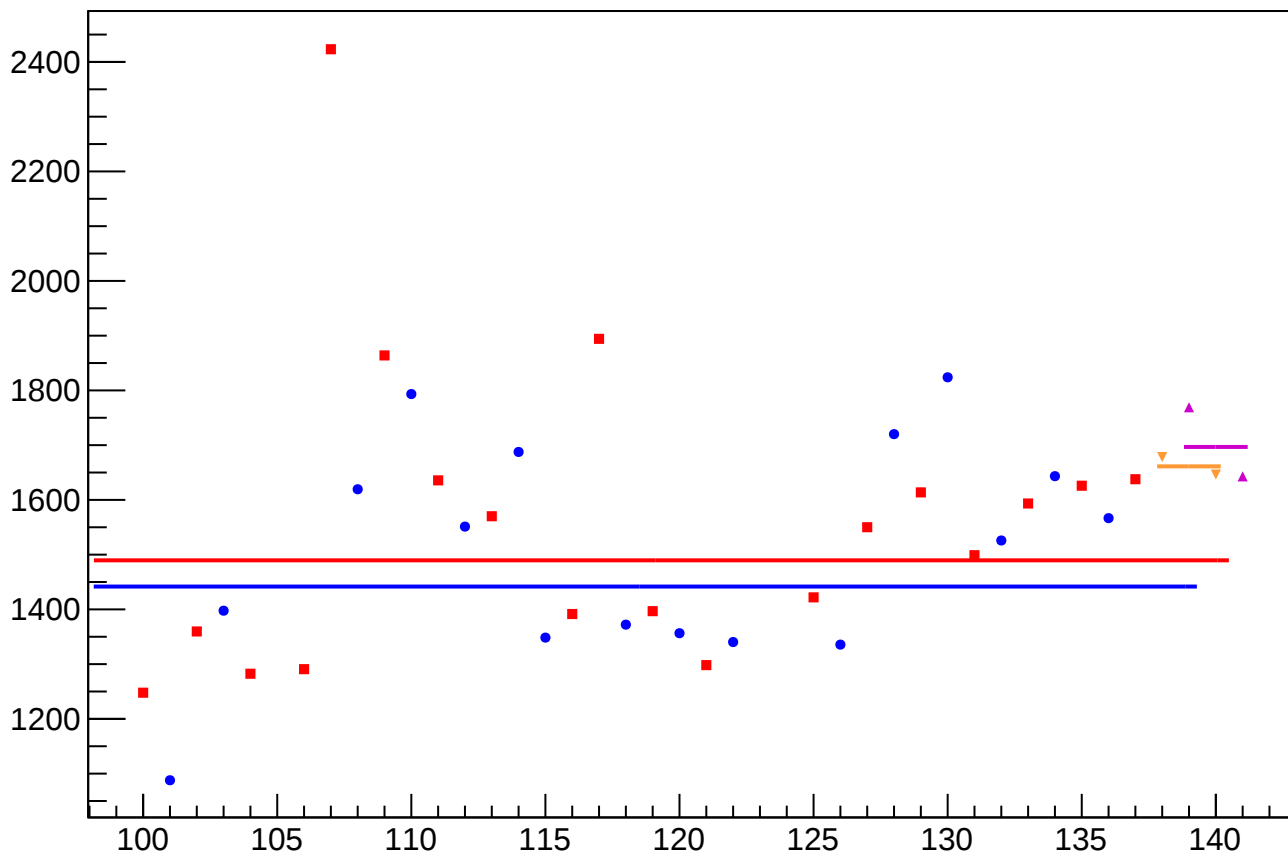
Right Out: -2423.739+/-567.866 χ^2/NDF : 16.5/18

Left In: -2076.129+/-1358.304 χ^2/NDF : 0.1/1

2318.453+/-522.726 χ^2/NDF : 18.2/17

-2372.022+/-523.923 χ^2/NDF : 16.6/20

asym_us_avg_rms vs Slug



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

Left Out: 1661.252+/-0.953 χ^2/NDF : 279.6/1

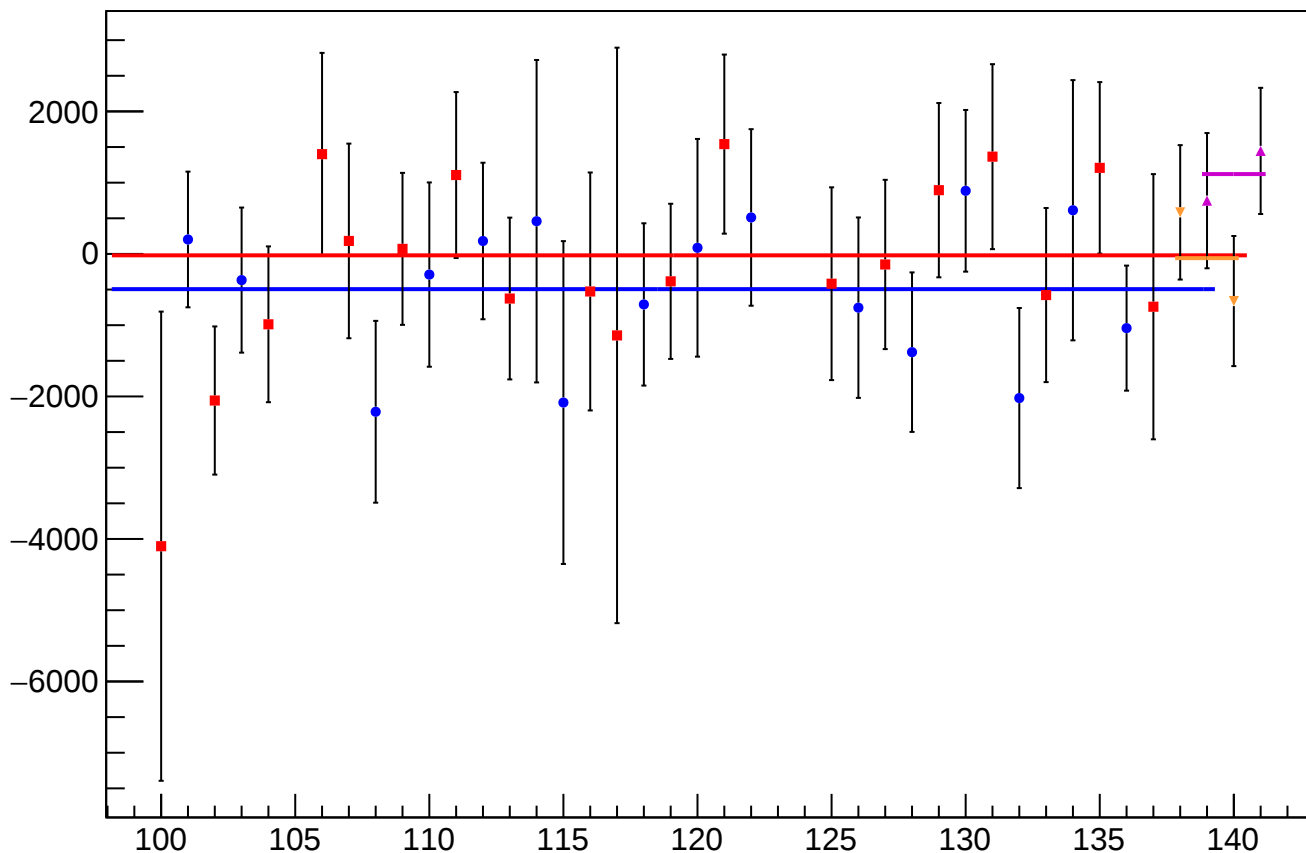
Right Out: 1489.610+/-0.402 χ^2/NDF : 260116.0/18

Left In: 1696.730+/-0.960 χ^2/NDF : 4225.5/1

1474.767+/-0.370 χ^2/NDF : 321290.1/17

1520.425+/-0.370 χ^2/NDF : 303925.8/20

reg_asym_us_dd_mean vs Slug



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

Left Out: -59.251+/-655.983 χ^2/NDF : 0.9/1

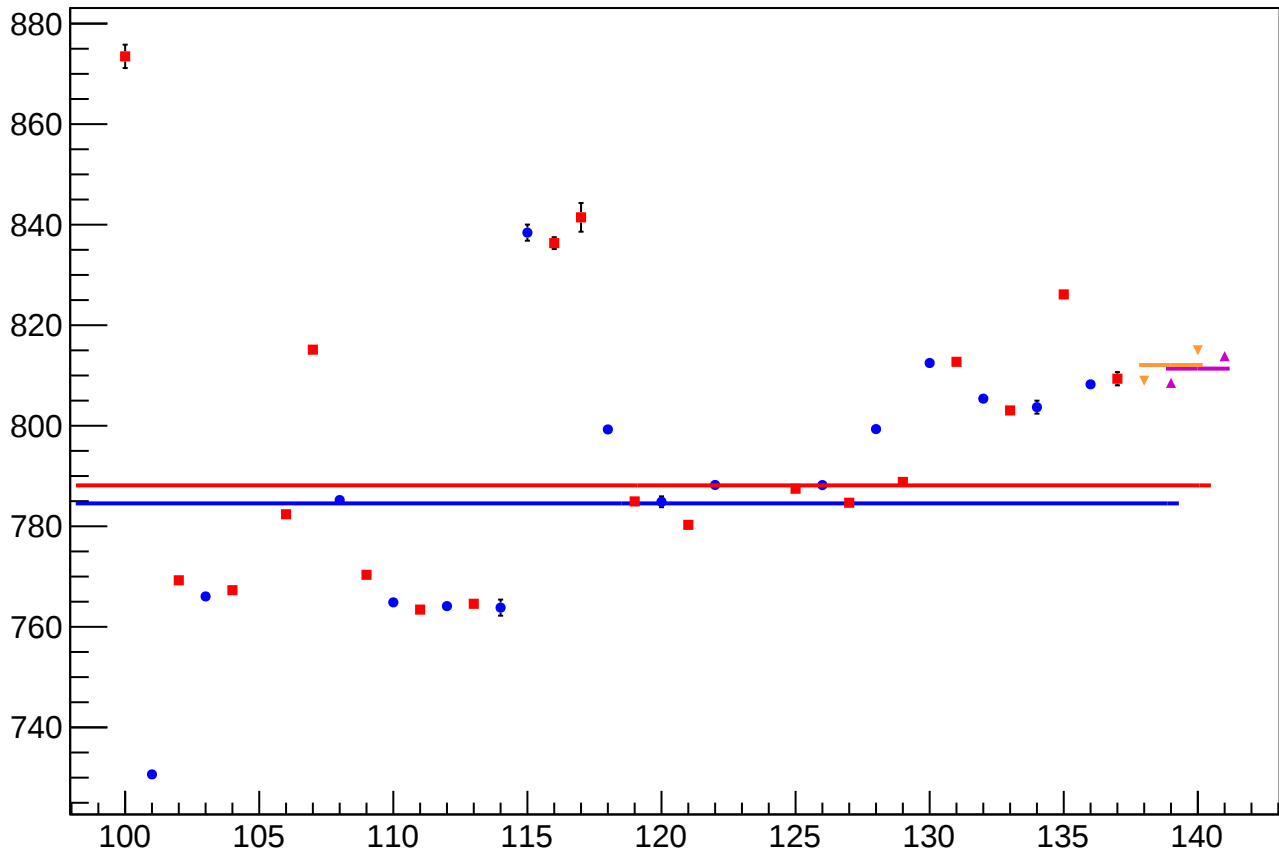
Right Out: -19.622+/-296.930 χ^2/NDF : 13.4/18

Left In: 1120.614+/-647.396 χ^2/NDF : 0.3/1

-417.054+/-276.302 χ^2/NDF : 9.9/17

178.553+/-269.896 χ^2/NDF : 16.3/20

reg_asym_us_dd_rms vs Slug



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

Left Out: 812.083+/-0.464 χ^2/NDF : 42.6/1

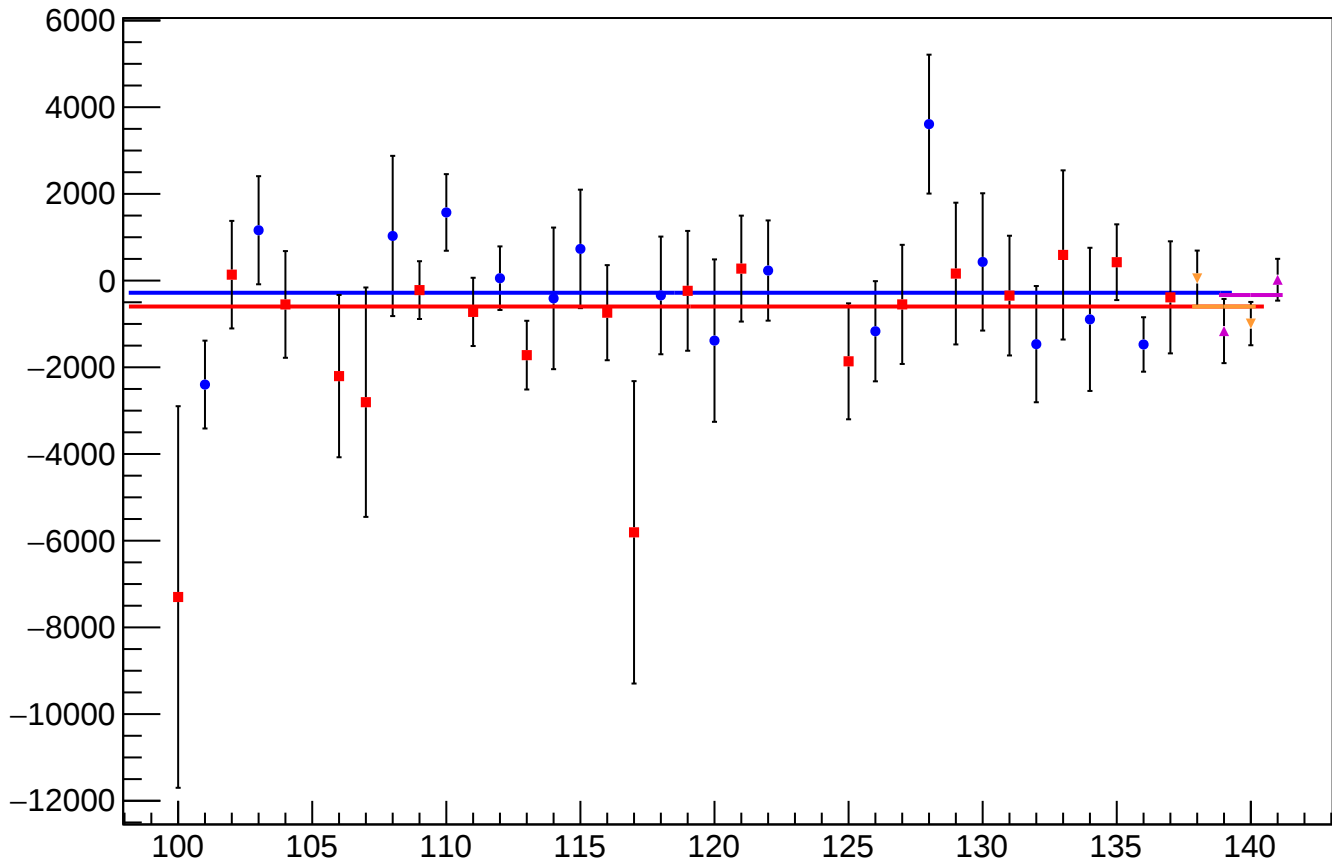
Right Out: 788.134+/-0.210 χ^2/NDF : 11259.7/18

Left In: 811.369+/-0.458 χ^2/NDF : 33.6/1

789.441+/-0.195 χ^2/NDF : 16616.9/17

792.172+/-0.191 χ^2/NDF : 13421.7/20

asym_us_dd_correction_mean vs Slug



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

Left Out: -599.180+/-394.296 χ^2/NDF : 1.6/1

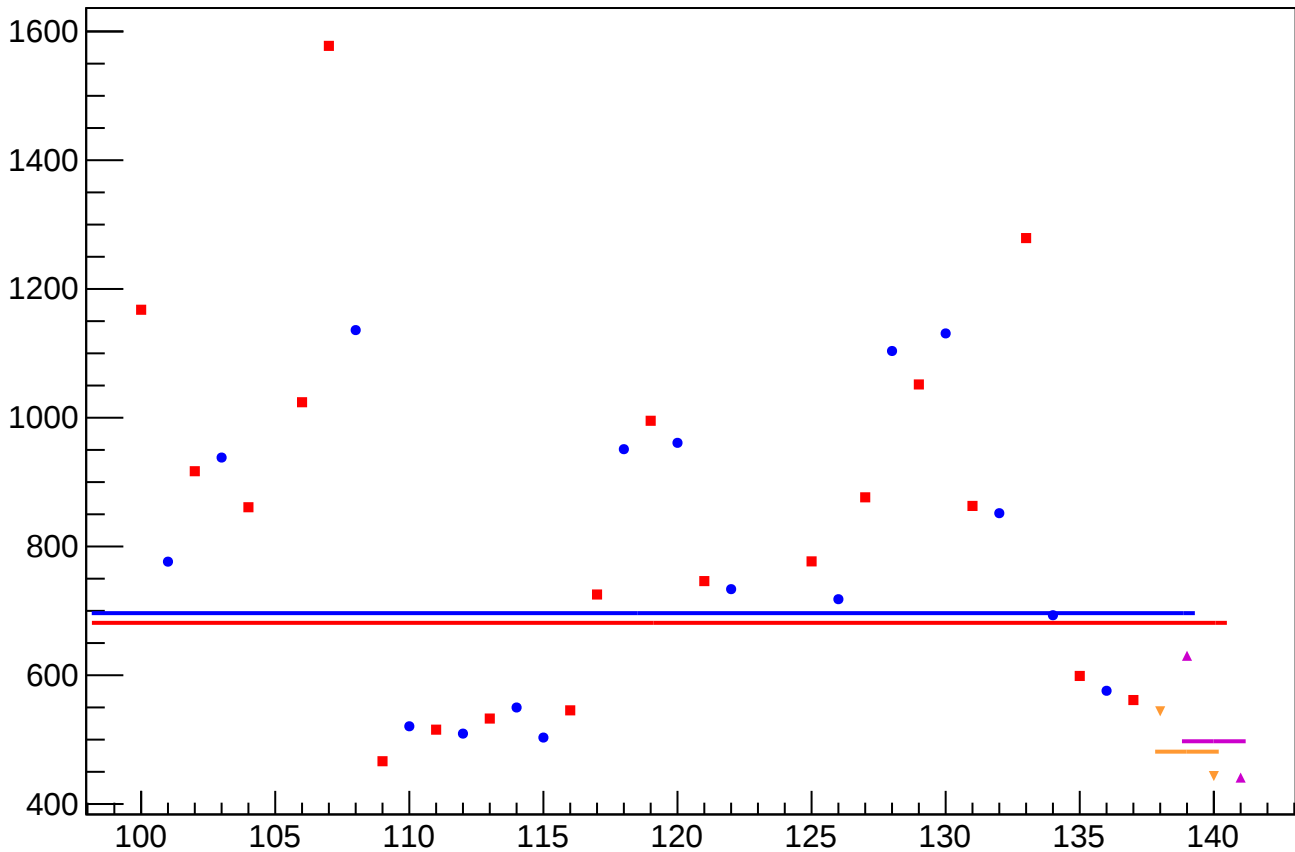
Right Out: -598.108+/-272.052 χ^2/NDF : 12.2/18

Left In: -332.909+/-404.088 χ^2/NDF : 1.8/1

-388.685+/-229.643 χ^2/NDF : 25.2/17

-515.394+/-225.673 χ^2/NDF : 14.3/20

asym_us_dd_correction_rms vs Slug



Right In: 696.462 $\pm$ 0.200 χ^2 /NDF: 959490.0/15

Left Out: 481.313 $\pm$ 0.279 χ^2 /NDF: 30552.0/1

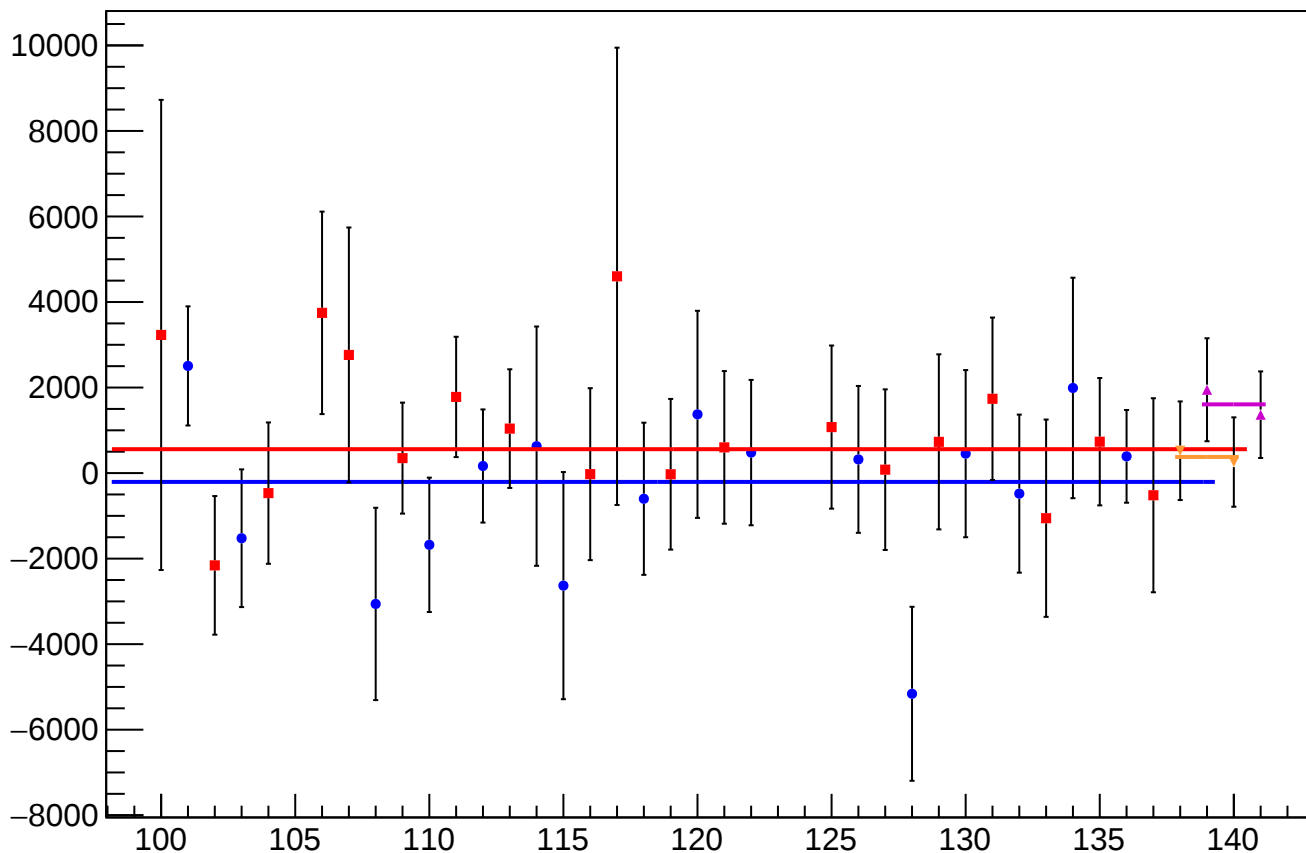
Right Out: 681.396 $\pm$ 0.192 χ^2 /NDF: 1352876.1/18

Left In: 497.439 $\pm$ 0.286 χ^2 /NDF: 91734.5/1

623.482 $\pm$ 0.162 χ^2 /NDF: 1383530.2/17

624.021 $\pm$ 0.160 χ^2 /NDF: 1729820.3/20

asym_us_dd_mean vs Slug



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

Left Out: 377.480+/-774.349 χ^2/NDF : 0.0/1

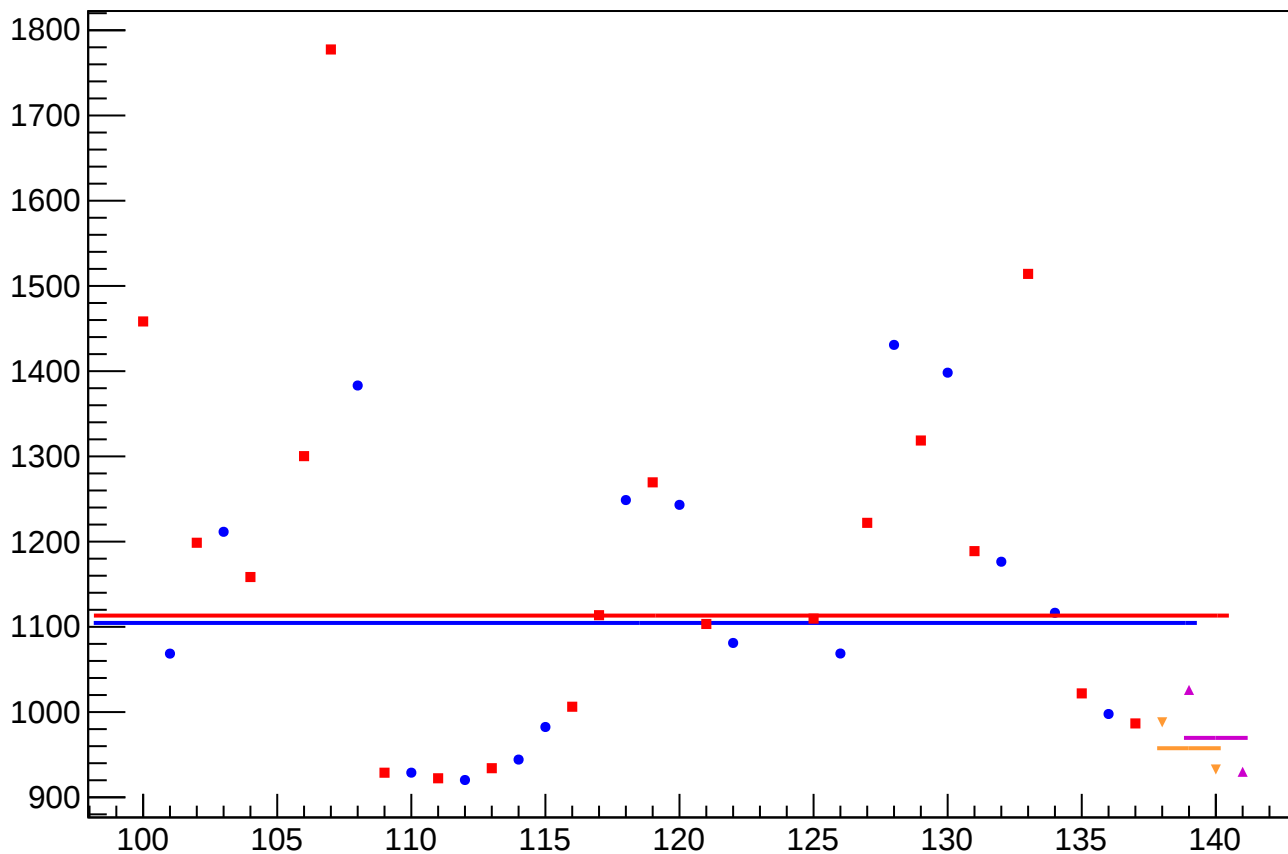
Right Out: 558.638+/-425.771 χ^2/NDF : 8.7/18

Left In: 1606.756+/-774.797 χ^2/NDF : 0.1/1

-66.929+/-378.442 χ^2/NDF : 16.2/17

801.737+/-373.142 χ^2/NDF : 10.3/20

asym_us_dd_rms vs Slug



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

Left Out: 957.582 $\pm$ 0.548 χ^2 /NDF:2530.8/1

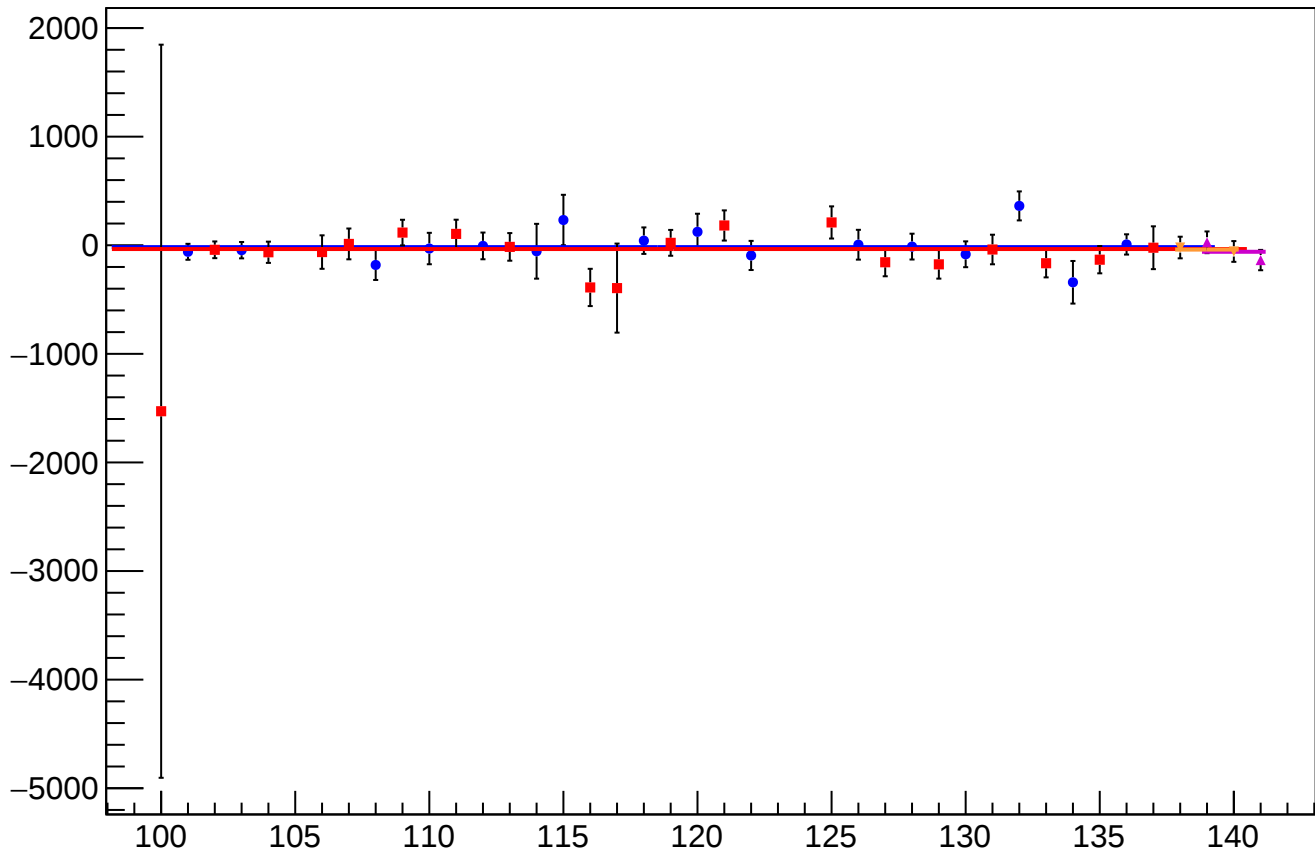
Right Out: 1113.218 $\pm$ 0.301 χ^2 /NDF: 362982.2/18

Left In: 969.711 $\pm$ 0.548 χ^2 /NDF:7458.0/1

1069.482 $\pm$ 0.268 χ^2 /NDF: 312890.6/17

1079.933 $\pm$ 0.264 χ^2 /NDF: 423138.2/20

reg_asym_ds_avg_mean vs Slug



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

Left Out: -39.781 $\pm$ 68.906 χ^2 /NDF: 0.1/1

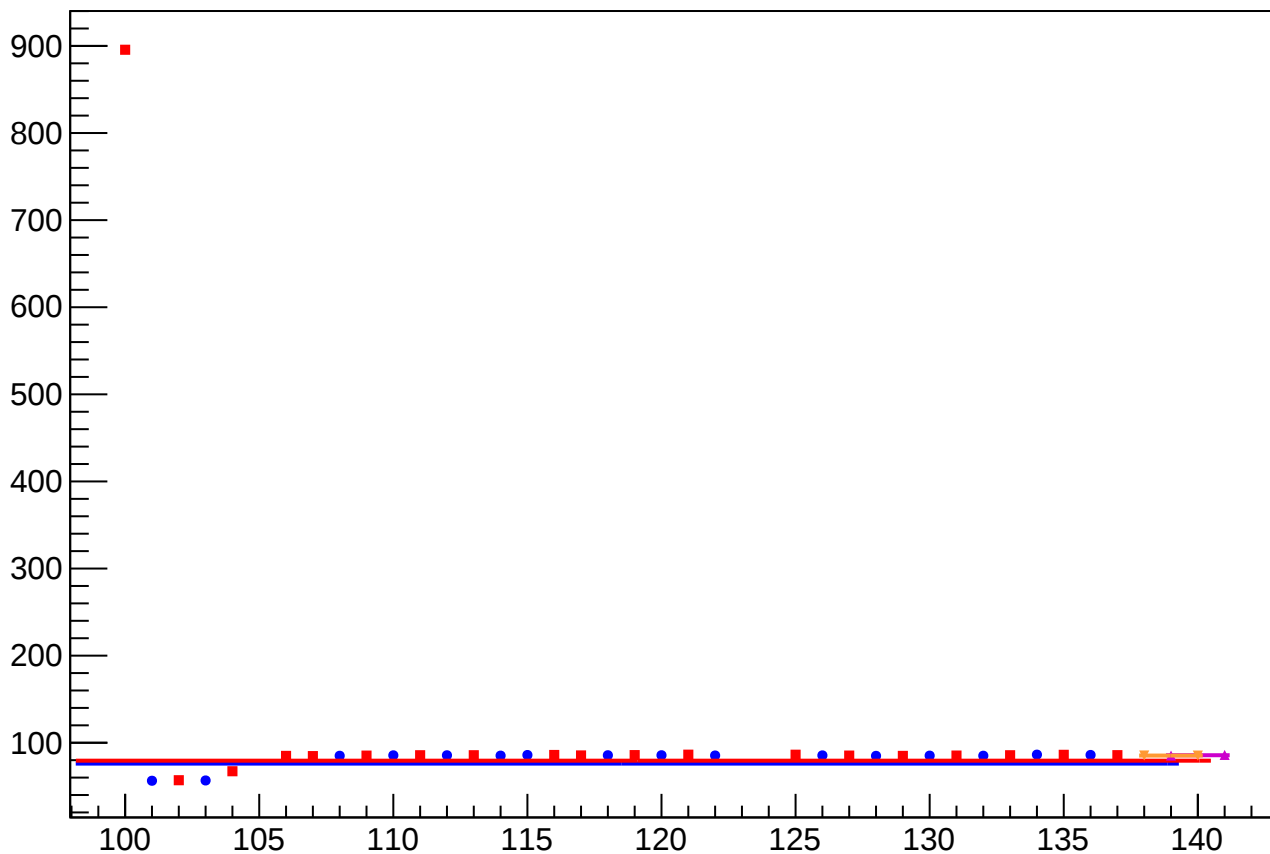
Right Out: -34.875 $\pm$ 30.363 χ^2 /NDF: 17.3/18

Left In: -60.096 $\pm$ 68.369 χ^2 /NDF: 1.4/1

-20.826 $\pm$ 27.497 χ^2 /NDF: 15.7/17

-39.030 $\pm$ 27.749 χ^2 /NDF: 18.9/20

reg_asym_ds_avg_rms vs Slug



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

Left Out: 85.301+/-0.049 χ^2/NDF :1.0/1

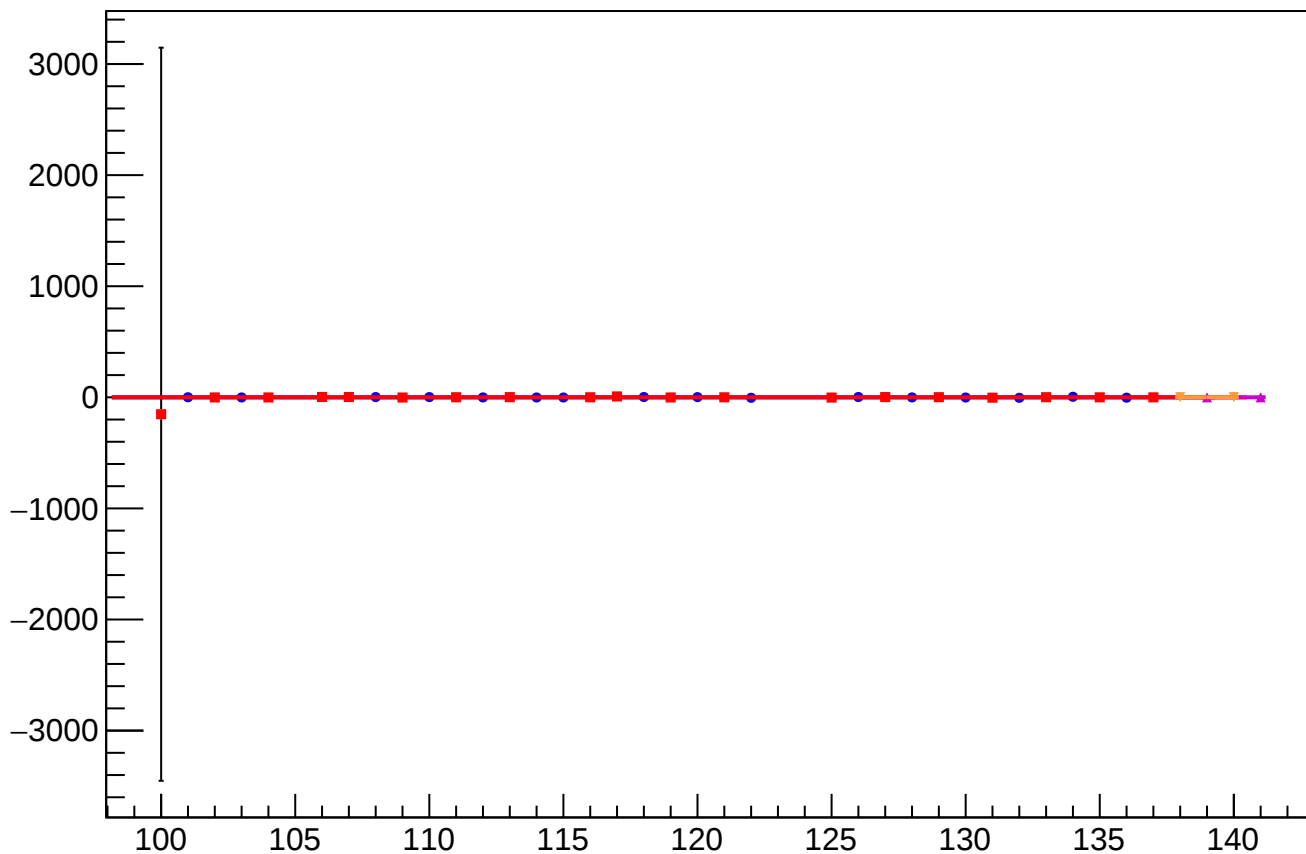
Right Out: 79.423+/-0.021 χ^2/NDF : 378959.4/18

Left In: 85.684+/-0.048 χ^2/NDF :63.5/1

77.548+/-0.019 χ^2/NDF : 439290.9/17

80.454+/-0.020 χ^2/NDF : 393032.9/20

asym_ds_avg_correction_mean vs Slug



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

Left Out: 1.106+/-1.285 χ^2/NDF : 0.1/1

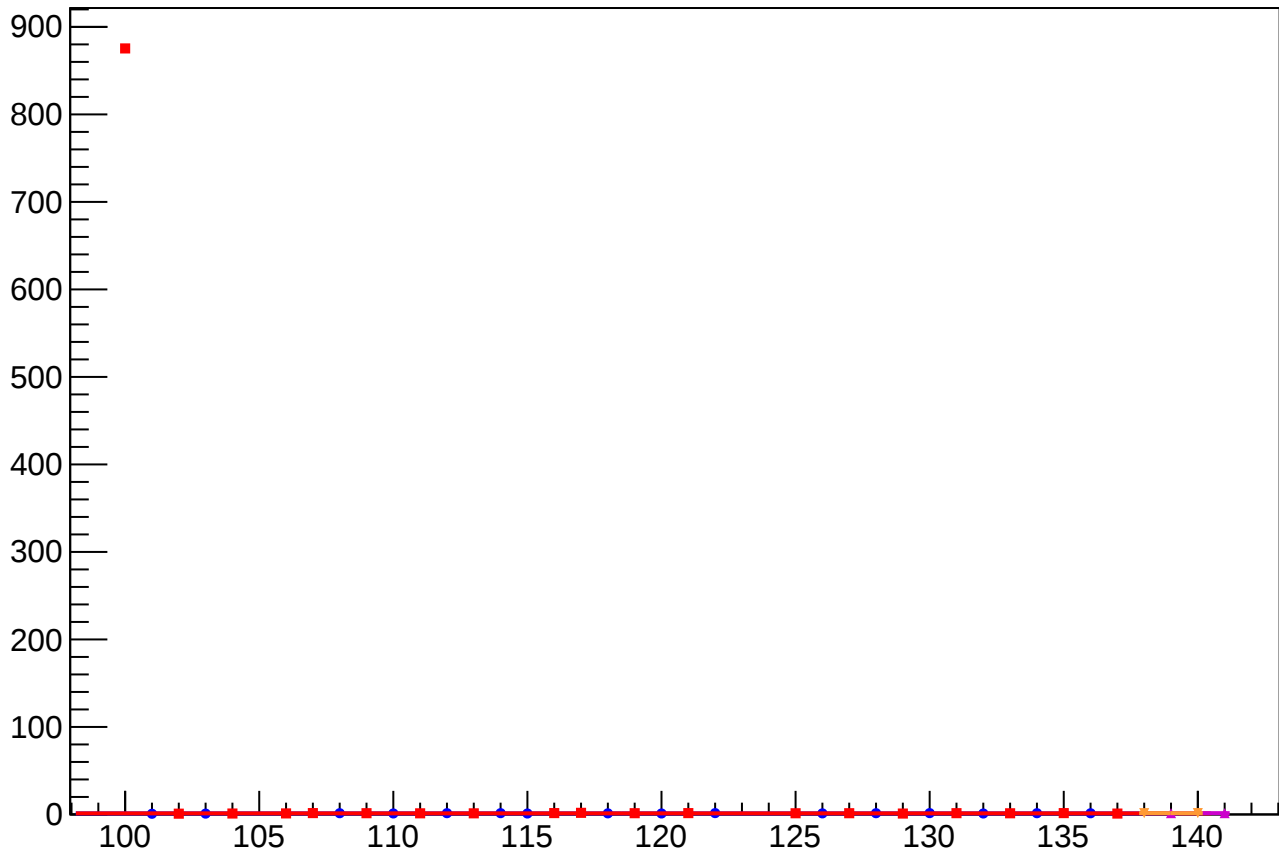
Right Out: -0.051+/-0.520 χ^2/NDF : 9.8/18

Left In: 0.210+/-1.279 χ^2/NDF : 0.0/1

-0.098+/-0.467 χ^2/NDF : 22.2/17

-0.014+/-0.481 χ^2/NDF : 9.8/20

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.499 $\pm$ 0.001 χ^2 /NDF: 1297.4/1

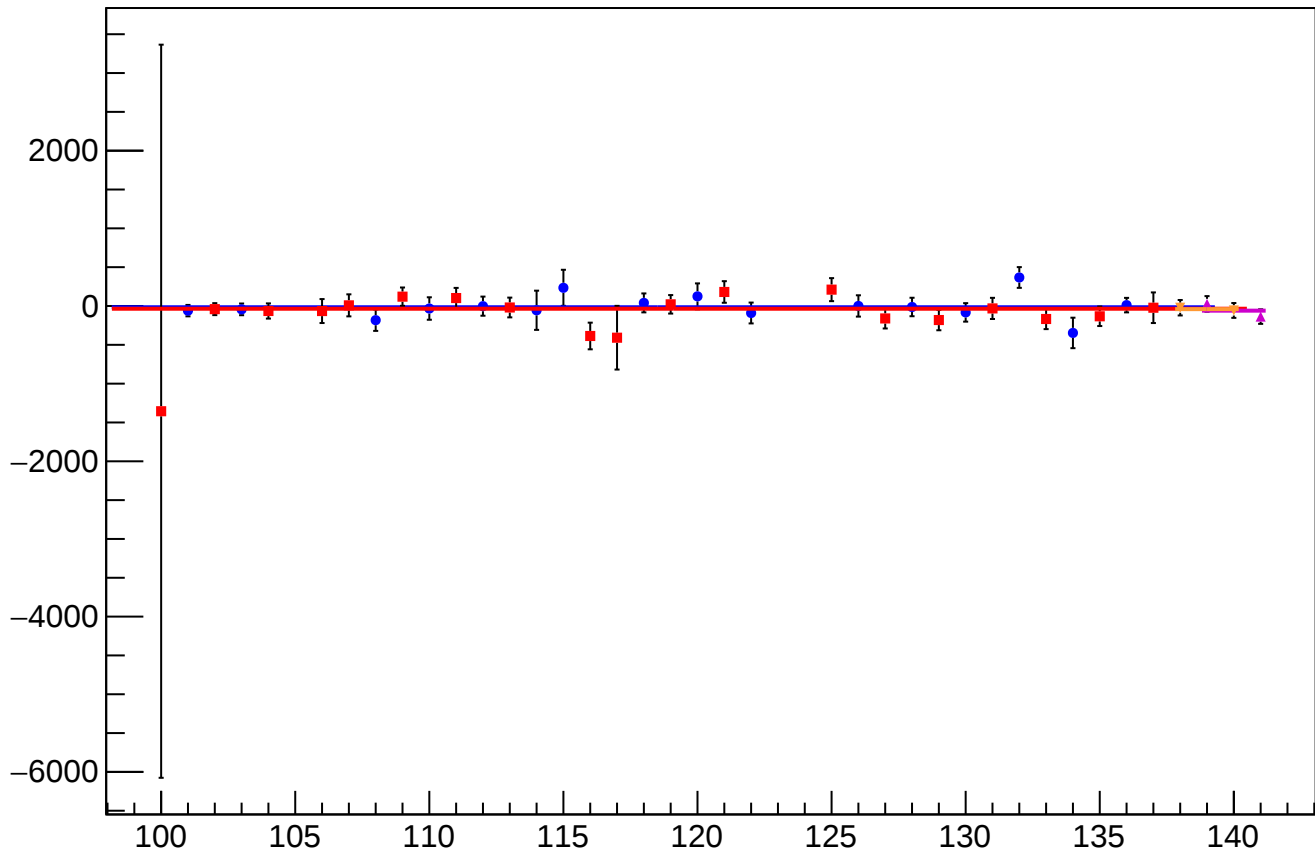
Right Out: 1.249 $\pm$ 0.000 χ^2 /NDF: 526097.8/18

Left In: 1.503 $\pm$ 0.001 χ^2 /NDF: 210.4/1

1.198 $\pm$ 0.000 χ^2 /NDF: 641591.5/17

1.285 $\pm$ 0.000 χ^2 /NDF: 593832.3/20

asym_ds_avg_mean vs Slug



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

Left Out: -40.461+/-68.924 χ^2/NDF : 0.1/1

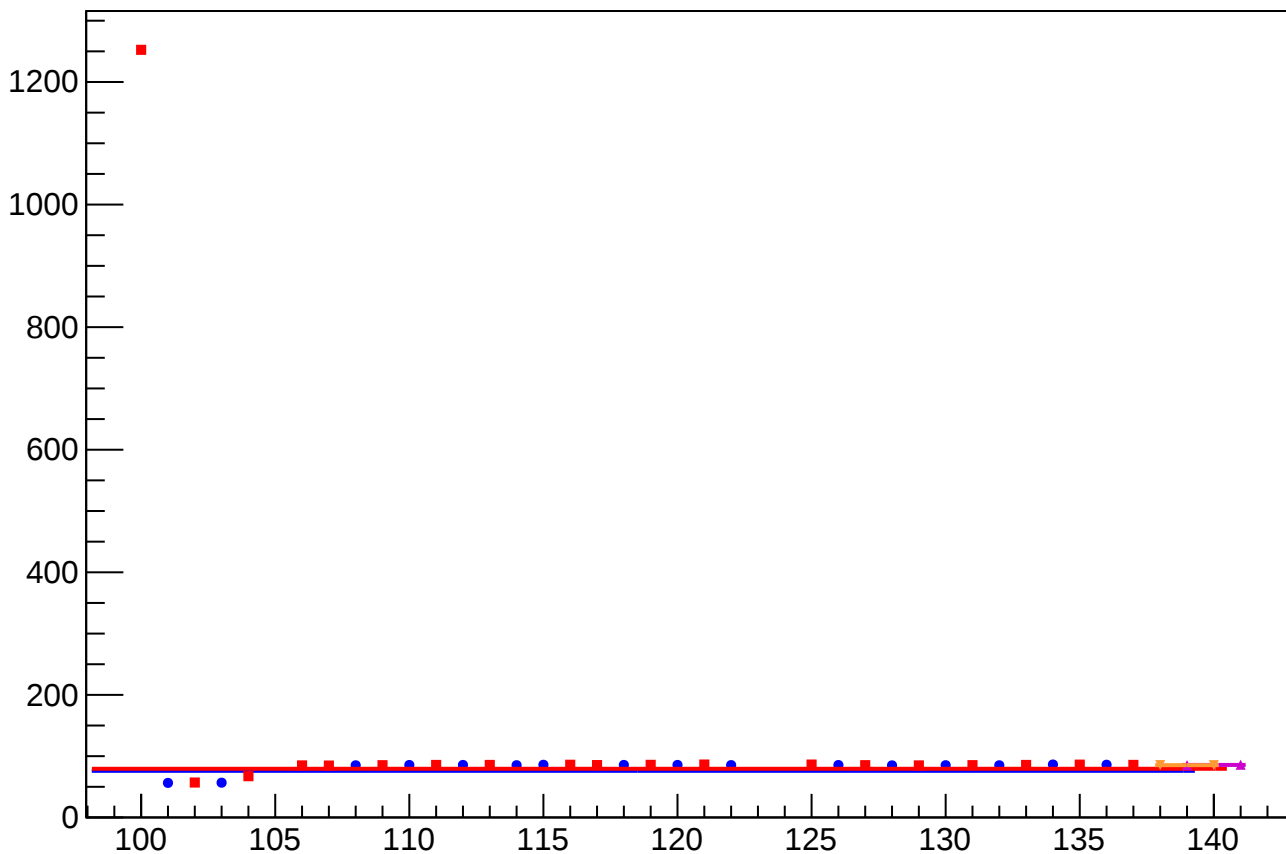
Right Out: -35.172+/-30.371 χ^2/NDF : 17.4/18

Left In: -60.014+/-68.389 χ^2/NDF : 1.4/1

-20.157+/-27.504 χ^2/NDF : 16.0/17

-39.264+/-27.757 χ^2/NDF : 18.9/20

asym_ds_avg_rms vs Slug



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

Left Out: 85.323+/-0.049 χ^2 /NDF: 1.1/1

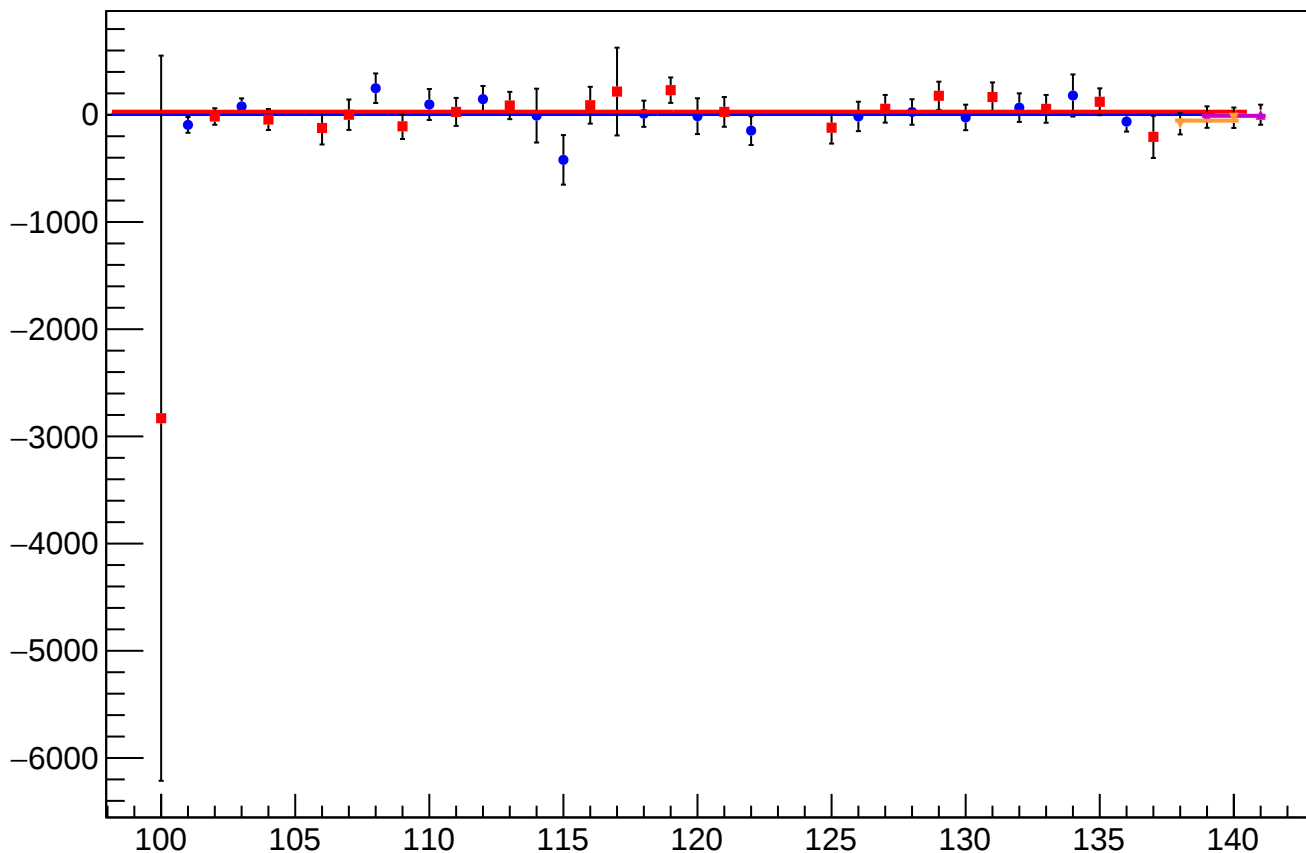
Right Out: 79.426+/-0.021 χ^2 /NDF: 385484.8/18

Left In: 85.708+/-0.048 χ^2 /NDF: 64.2/1

77.568+/-0.019 χ^2 /NDF: 439320.7/17

80.461+/-0.020 χ^2 /NDF: 399643.0/20

reg_asym_ds_dd_mean vs Slug



Right In: 7.460 $\pm$ 29.969 χ^2 /NDF: 13.9/15

Left Out: -54.075 $\pm$ 68.943 χ^2 /NDF: 0.2/1

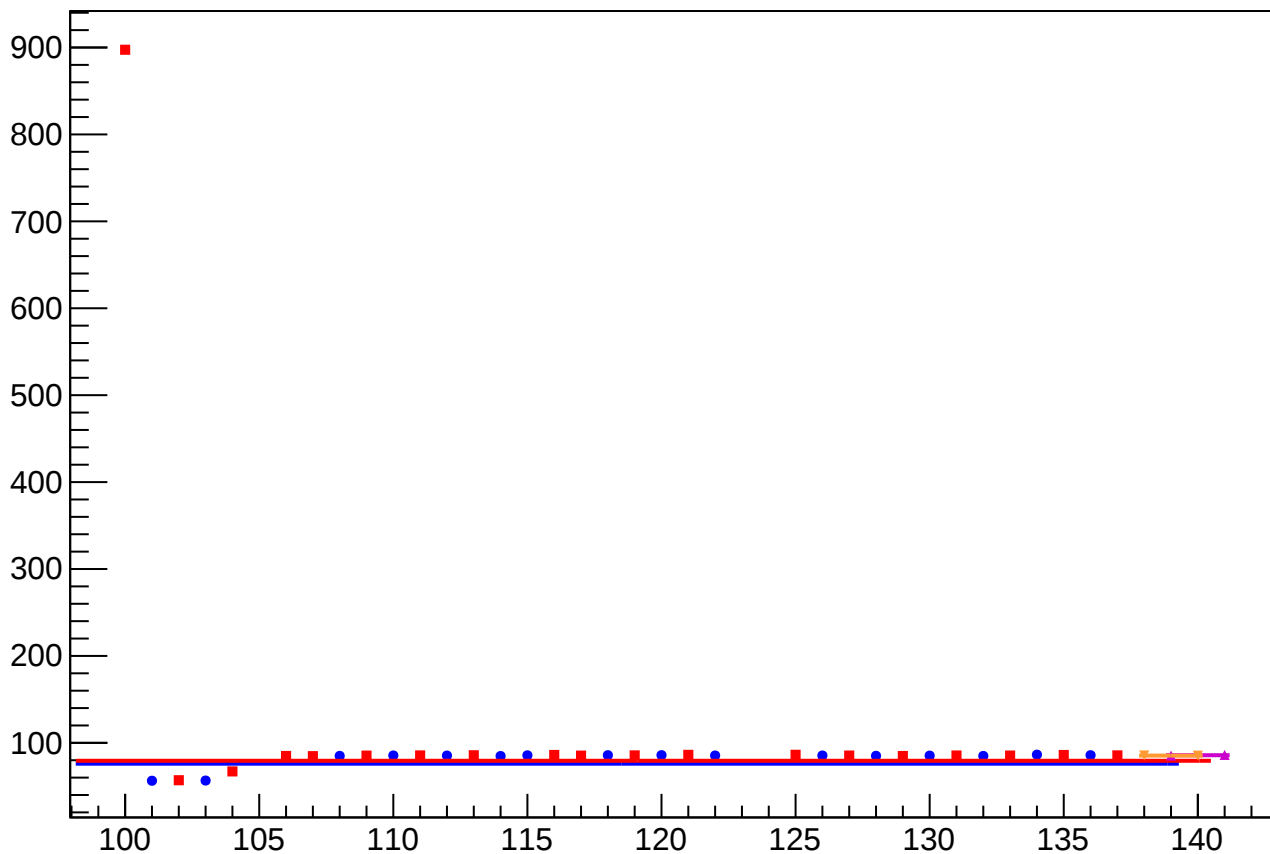
Right Out: 28.958 $\pm$ 30.344 χ^2 /NDF: 12.7/18

Left In: -9.446 $\pm$ 68.432 χ^2 /NDF: 0.0/1

-2.319 $\pm$ 27.485 χ^2 /NDF: 14.8/17

22.648 $\pm$ 27.739 χ^2 /NDF: 13.0/20

reg_asym_ds_dd_rms vs Slug



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

Left Out: 85.348 $\pm$ 0.049 χ^2 /NDF: 5.5/1

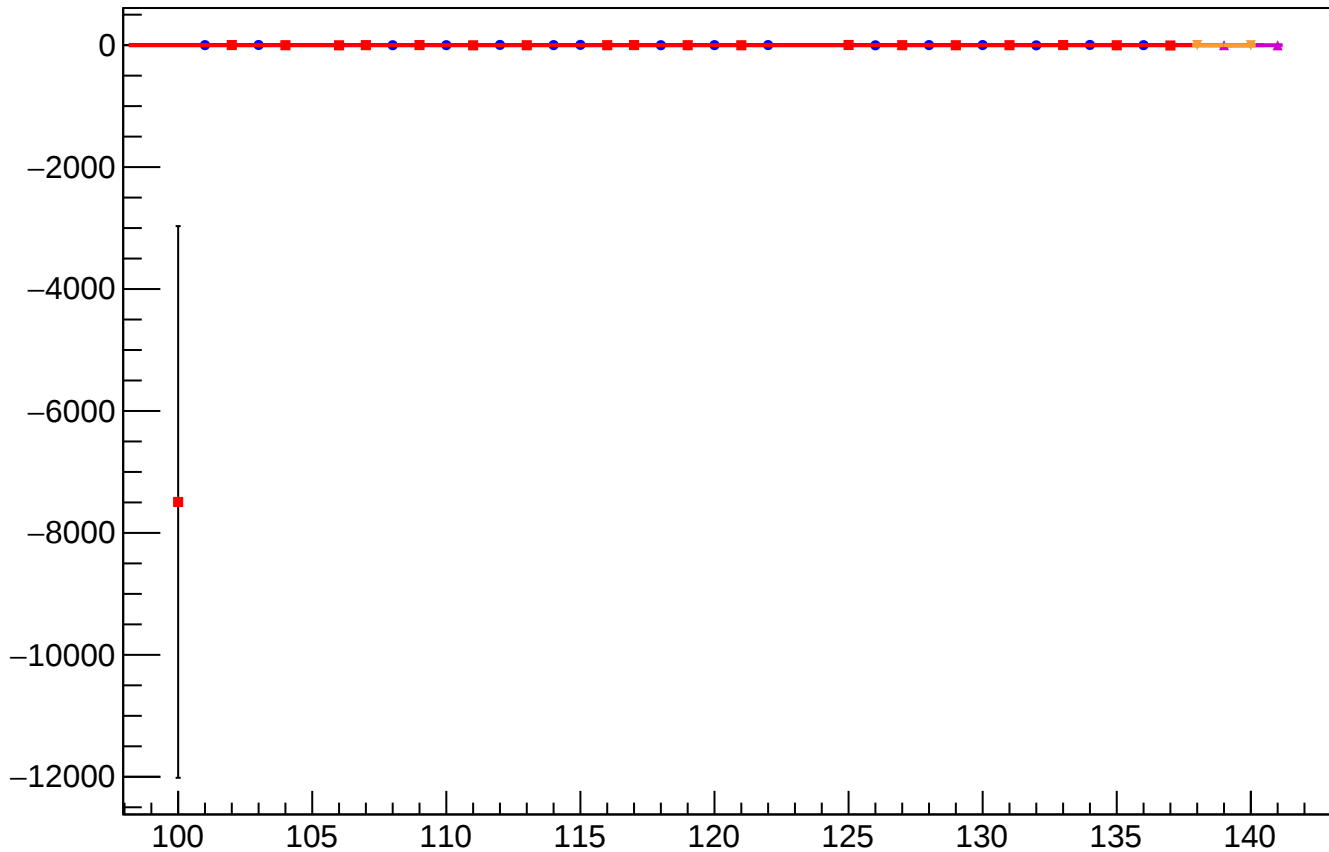
Right Out: 79.375 $\pm$ 0.021 χ^2 /NDF: 378794.5/18

Left In: 85.762 $\pm$ 0.048 χ^2 /NDF: 69.5/1

77.512 $\pm$ 0.019 χ^2 /NDF: 439637.3/17

80.424 $\pm$ 0.020 χ^2 /NDF: 393426.4/20

asym_ds_dd_correction_mean vs Slug



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

Left Out: 0.192+/-1.187 χ^2/NDF : 1.0/1

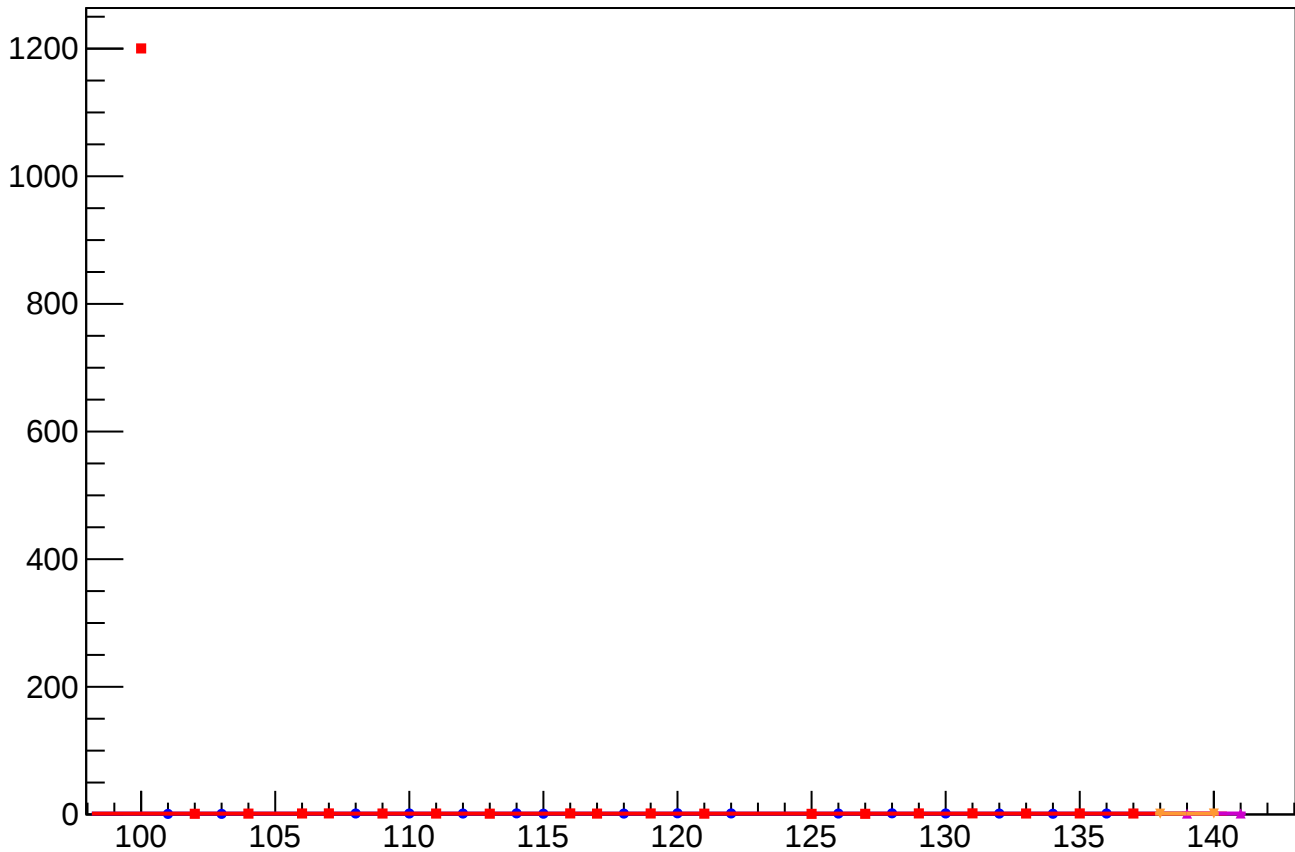
Right Out: -0.304+/-0.547 χ^2/NDF : 12.6/18

Left In: -1.130+/-1.253 χ^2/NDF : 0.9/1

0.790+/-0.486 χ^2/NDF : 13.3/17

-0.436+/-0.501 χ^2/NDF : 13.9/20

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.350 $\pm$ 0.001 χ^2 /NDF:13520.5/1

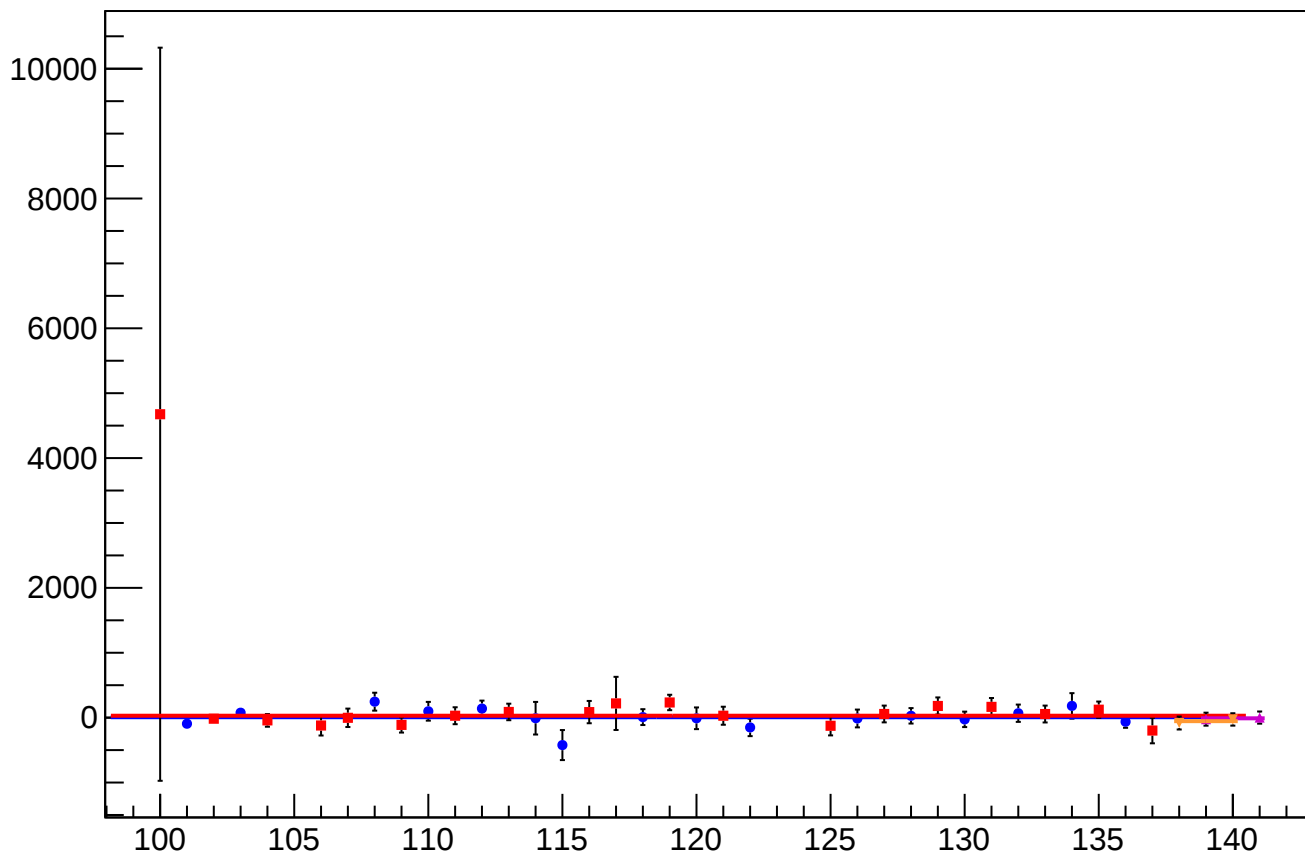
Right Out: 1.318 $\pm$ 0.000 χ^2 /NDF: 521623.7/18

Left In: 1.473 $\pm$ 0.001 χ^2 /NDF:5480.3/1

1.257 $\pm$ 0.000 χ^2 /NDF: 686229.0/17

1.342 $\pm$ 0.000 χ^2 /NDF: 552887.9/20

asym_ds_dd_mean vs Slug



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

Left Out: -54.085+/-68.961 χ^2/NDF : 0.2/1

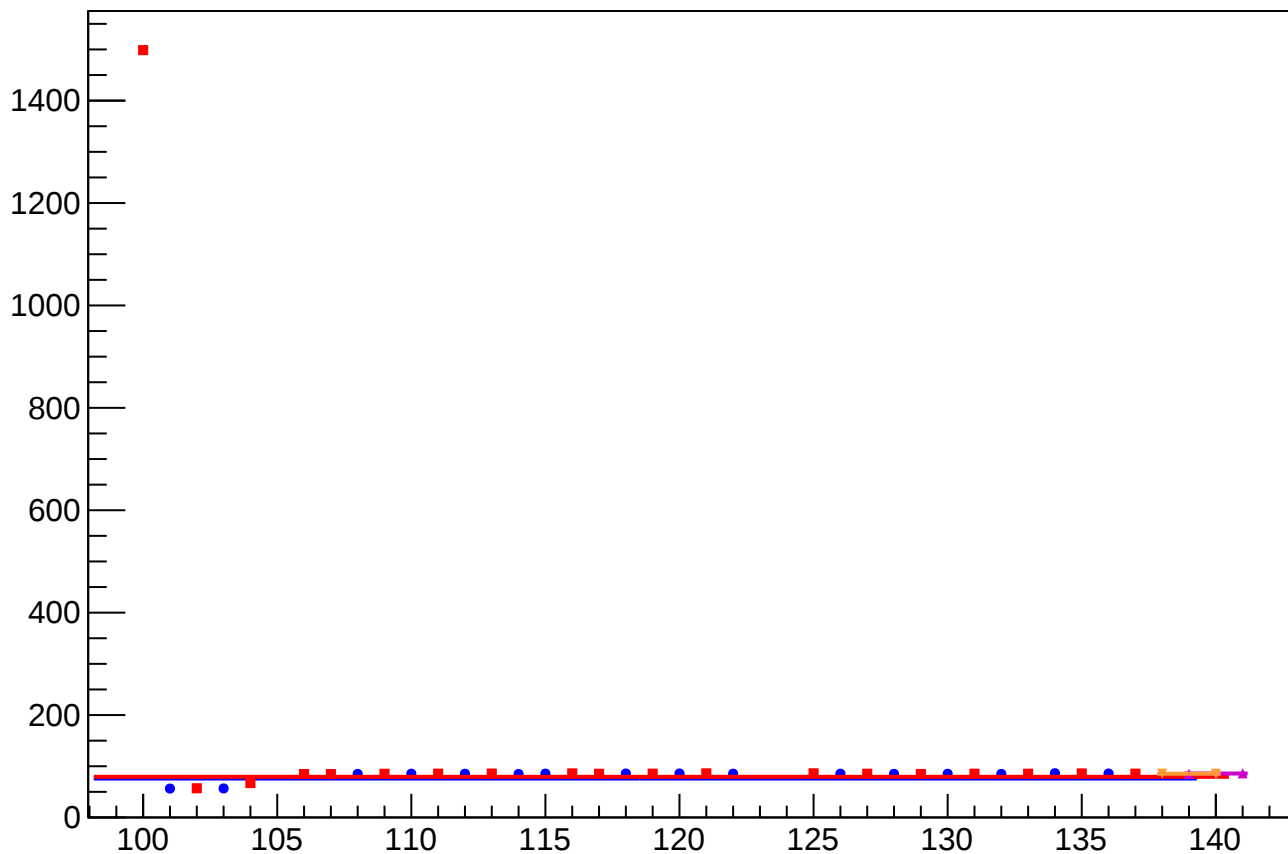
Right Out: 29.600+/-30.353 χ^2/NDF : 12.9/18

Left In: -10.319+/-68.451 χ^2/NDF : 0.0/1

-2.892+/-27.492 χ^2/NDF : 14.6/17

23.040+/-27.747 χ^2/NDF : 13.2/20

asym_ds_dd_rms vs Slug



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

Left Out: 85.370 $\pm$ 0.049 χ^2 /NDF: 5.5/1

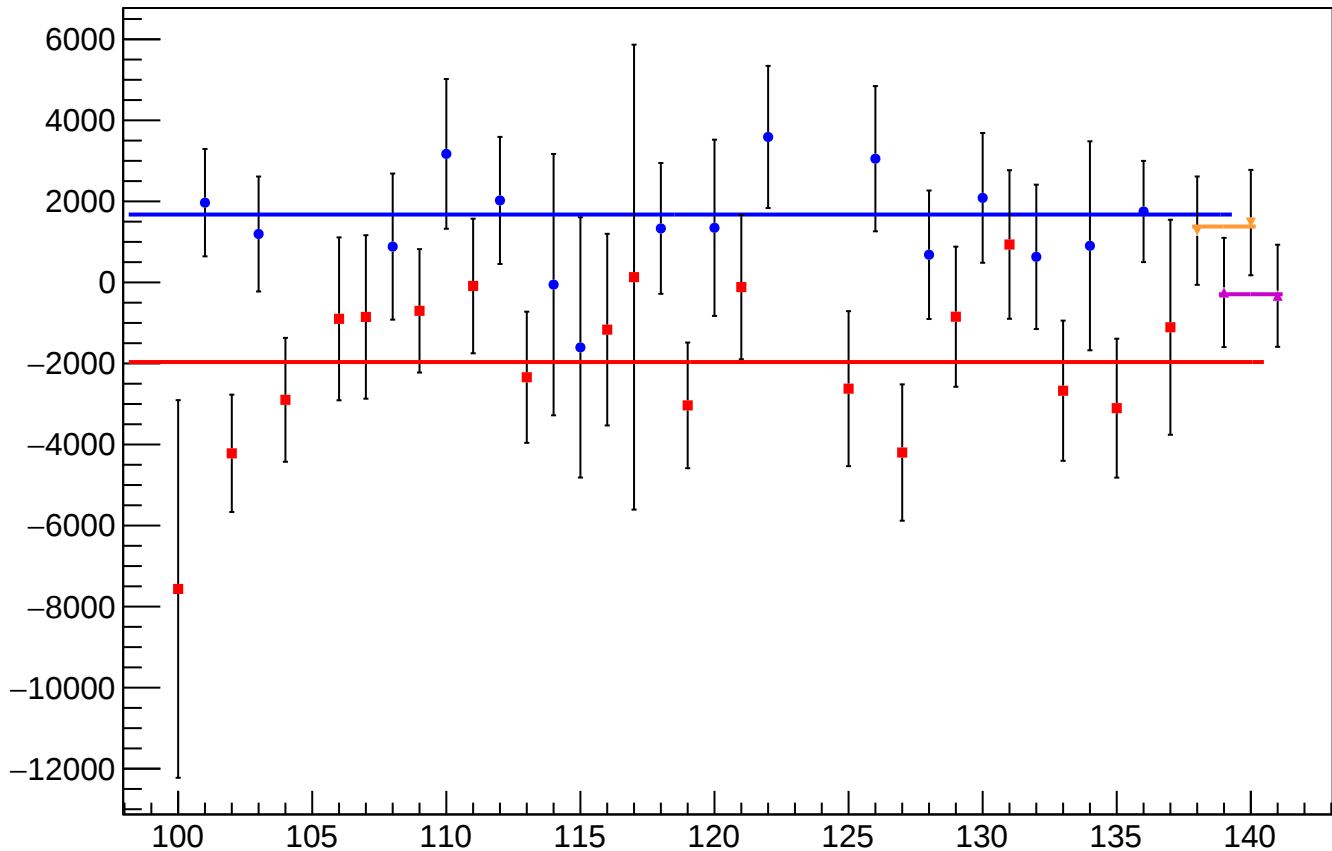
Right Out: 79.371 $\pm$ 0.021 χ^2 /NDF: 388057.0/18

Left In: 85.786 $\pm$ 0.048 χ^2 /NDF: 69.5/1

77.533 $\pm$ 0.019 χ^2 /NDF: 439676.5/17

80.425 $\pm$ 0.020 χ^2 /NDF: 402804.7/20

reg_asym_usl_mean vs Slug



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

Left Out: 1379.676 $\pm$ 932.067 χ^2 /NDF: 0.0/1

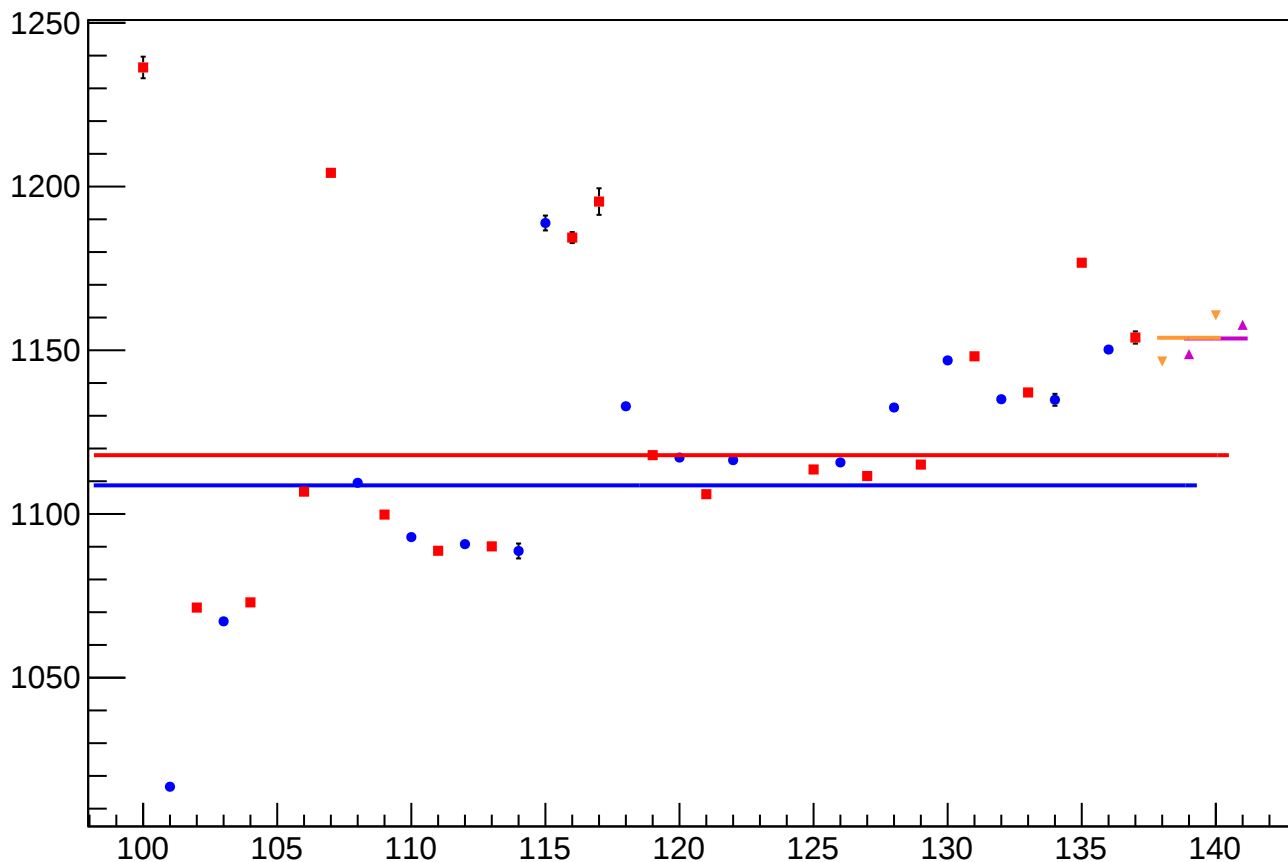
Right Out: -1964.936 $\pm$ 421.265 χ^2 /NDF: 14.2/18

Left In: -291.722 $\pm$ 920.492 χ^2 /NDF: 0.0/1

1623.051 $\pm$ 390.899 χ^2 /NDF: 5.2/17

-1675.178 $\pm$ 383.056 χ^2 /NDF: 16.9/20

reg_asym_usl_rms vs Slug



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

Left Out: 1153.816 $\pm$ 0.659 χ^2 /NDF:114.4/1

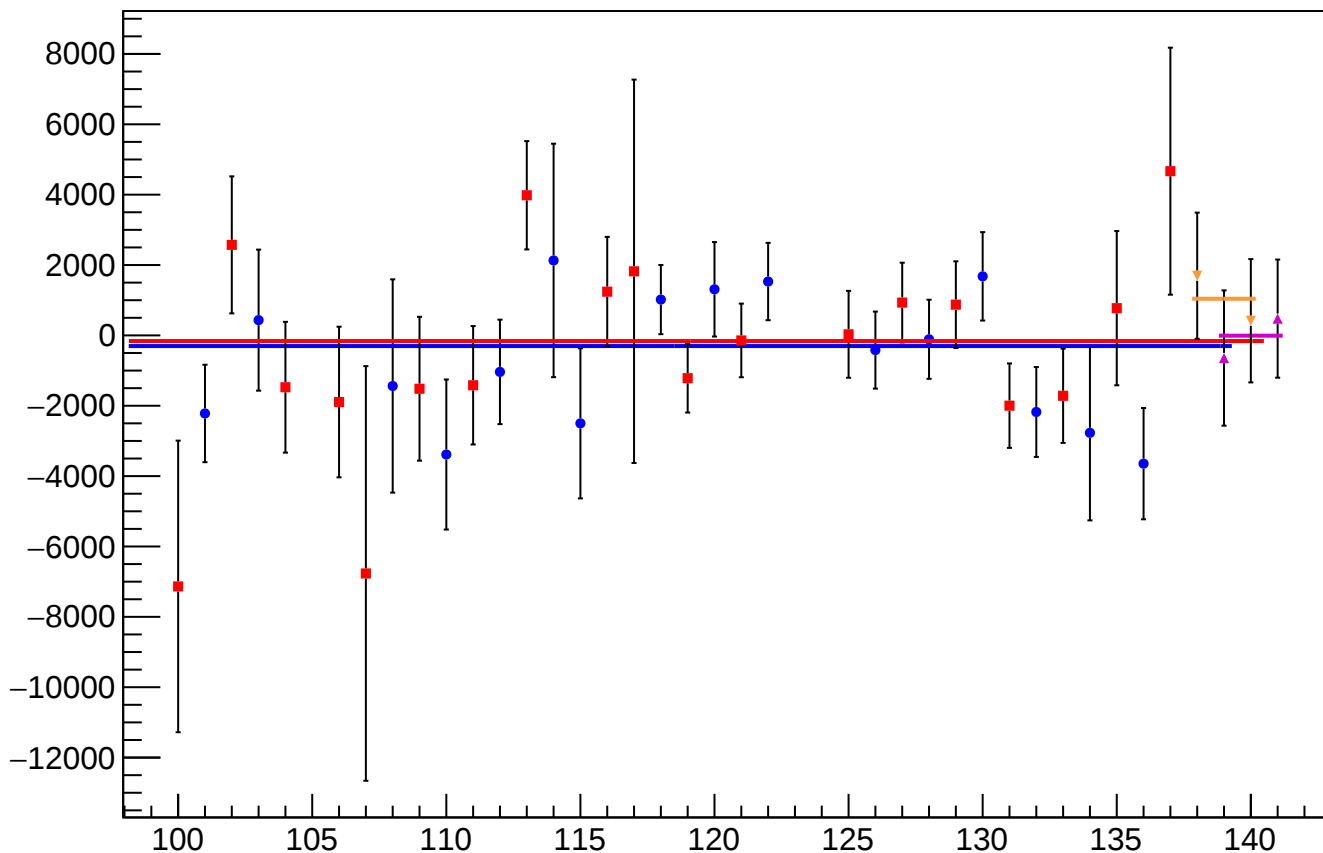
Right Out: 1117.959 $\pm$ 0.298 χ^2 /NDF: 15881.8/18

Left In: 1153.605 $\pm$ 0.651 χ^2 /NDF:47.1/1

1116.668 $\pm$ 0.276 χ^2 /NDF: 22050.2/17

1124.132 $\pm$ 0.271 χ^2 /NDF: 18408.8/20

asym_usl_correction_mean vs Slug



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

Left Out: 1041.643+/-1253.548 χ^2/NDF : 0.3/1

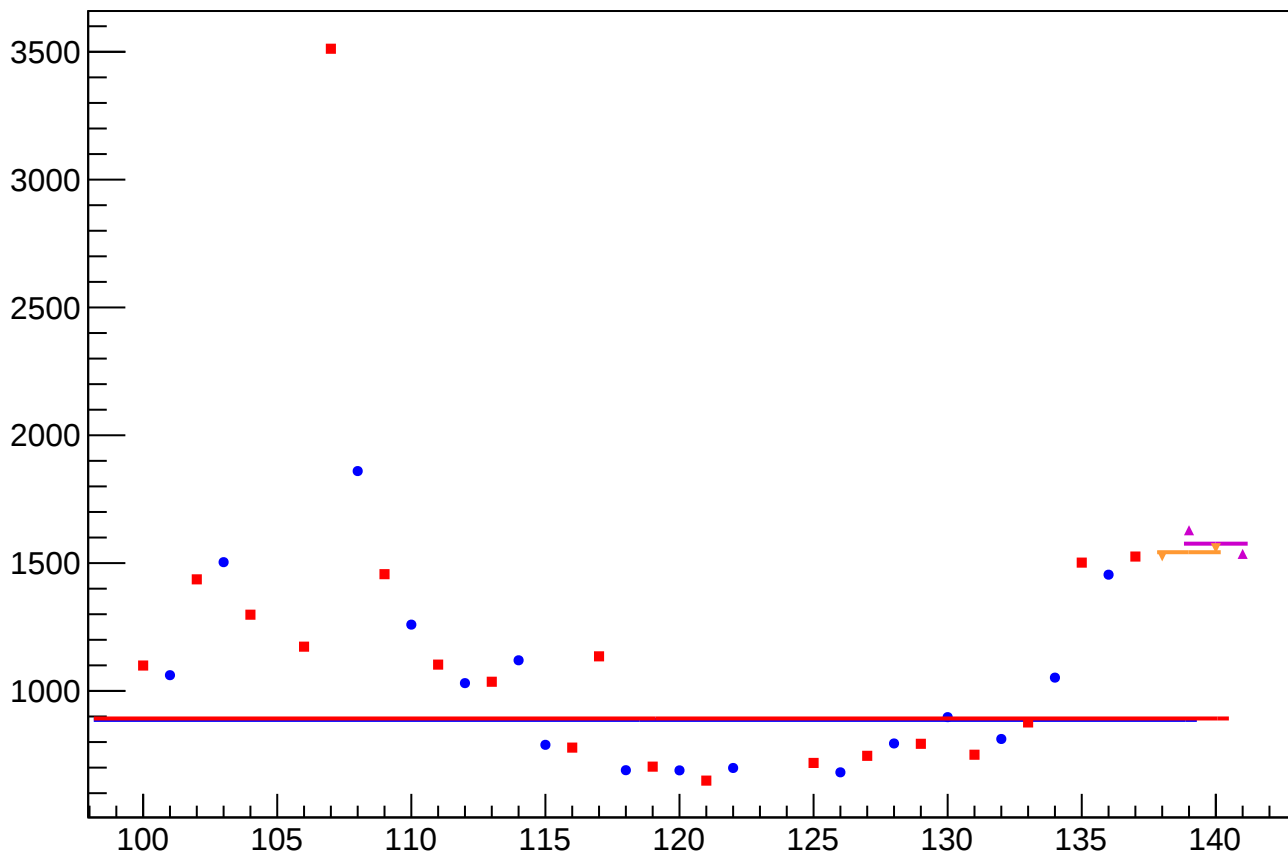
Right Out: -160.376+/-355.478 χ^2/NDF : 25.0/18

Left In: -7.805+/-1264.672 χ^2/NDF : 0.2/1

-200.824+/-346.075 χ^2/NDF : 23.6/17

-149.204+/-342.216 χ^2/NDF : 25.2/20

asym_usl_correction_rms vs Slug



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

Left Out: 1542.608+/-0.886 χ^2/NDF :322.5/1

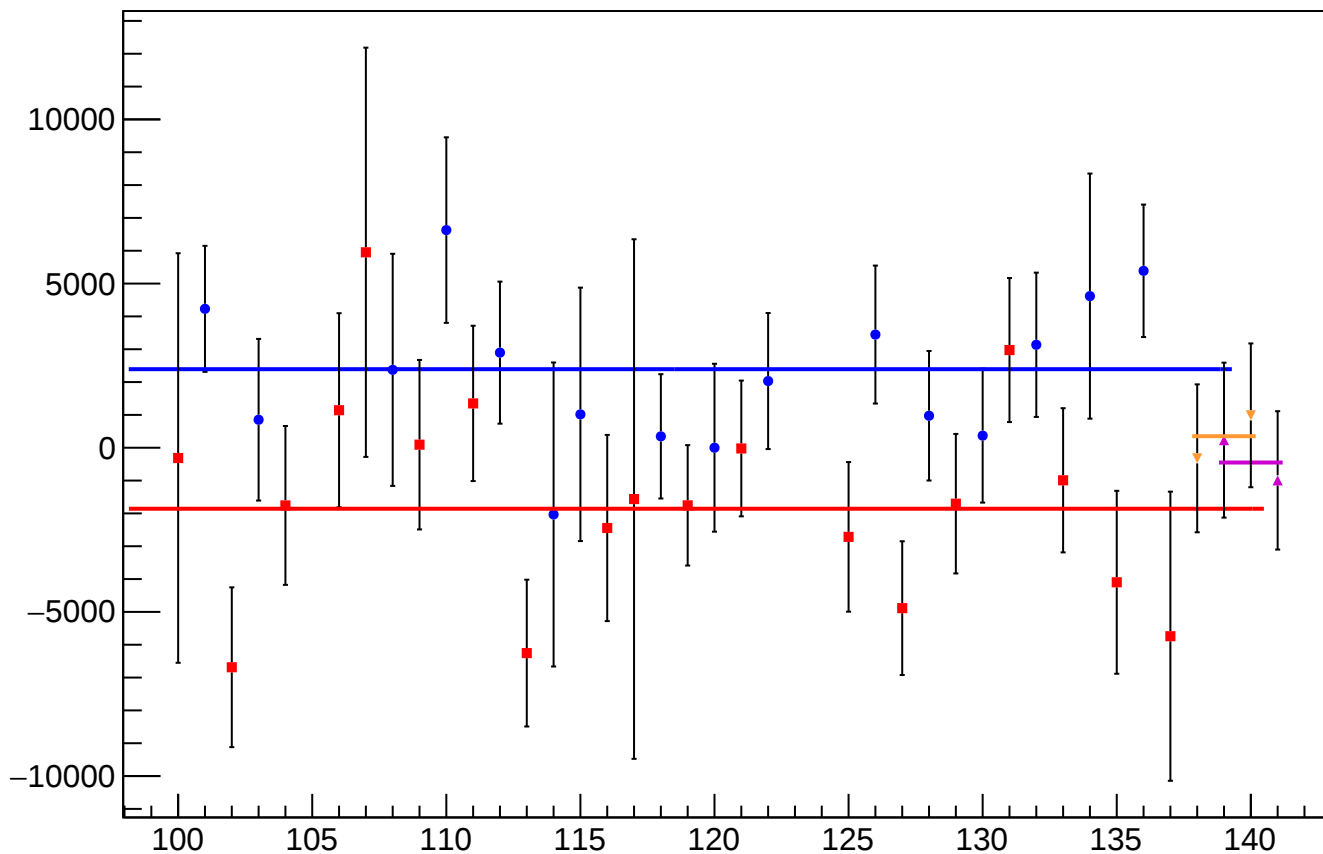
Right Out: 892.236+/-0.251 χ^2/NDF : 1418185.6/18

Left In: 1576.035+/-0.894 χ^2/NDF :2623.1/1

936.684+/-0.245 χ^2/NDF : 1567029.2/17

942.305+/-0.242 χ^2/NDF : 1962692.4/20

asym_usl_mean vs Slug



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

Left Out: 350.730 ± 1570.206 χ^2/NDF : 0.2/1

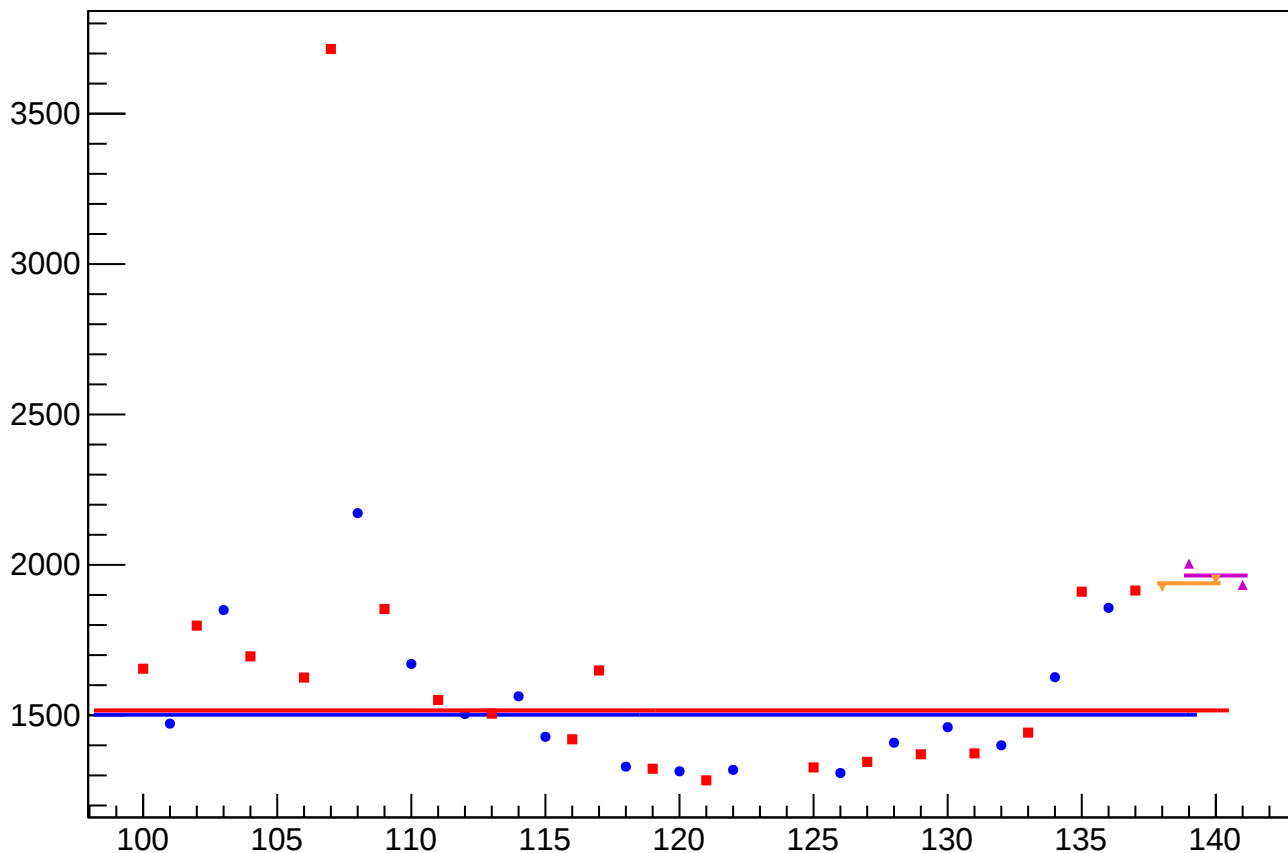
Right Out: -1858.263 ± 581.542 χ^2/NDF : 22.5/18

Left In: -450.491 ± 1571.806 χ^2/NDF : 0.2/1

2140.551 ± 551.471 χ^2/NDF : 12.8/17

-1688.759 ± 545.409 χ^2/NDF : 23.4/20

asym_usl_rms vs Slug



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

Left Out: 1938.871+/-1.110 χ^2/NDF :125.7/1

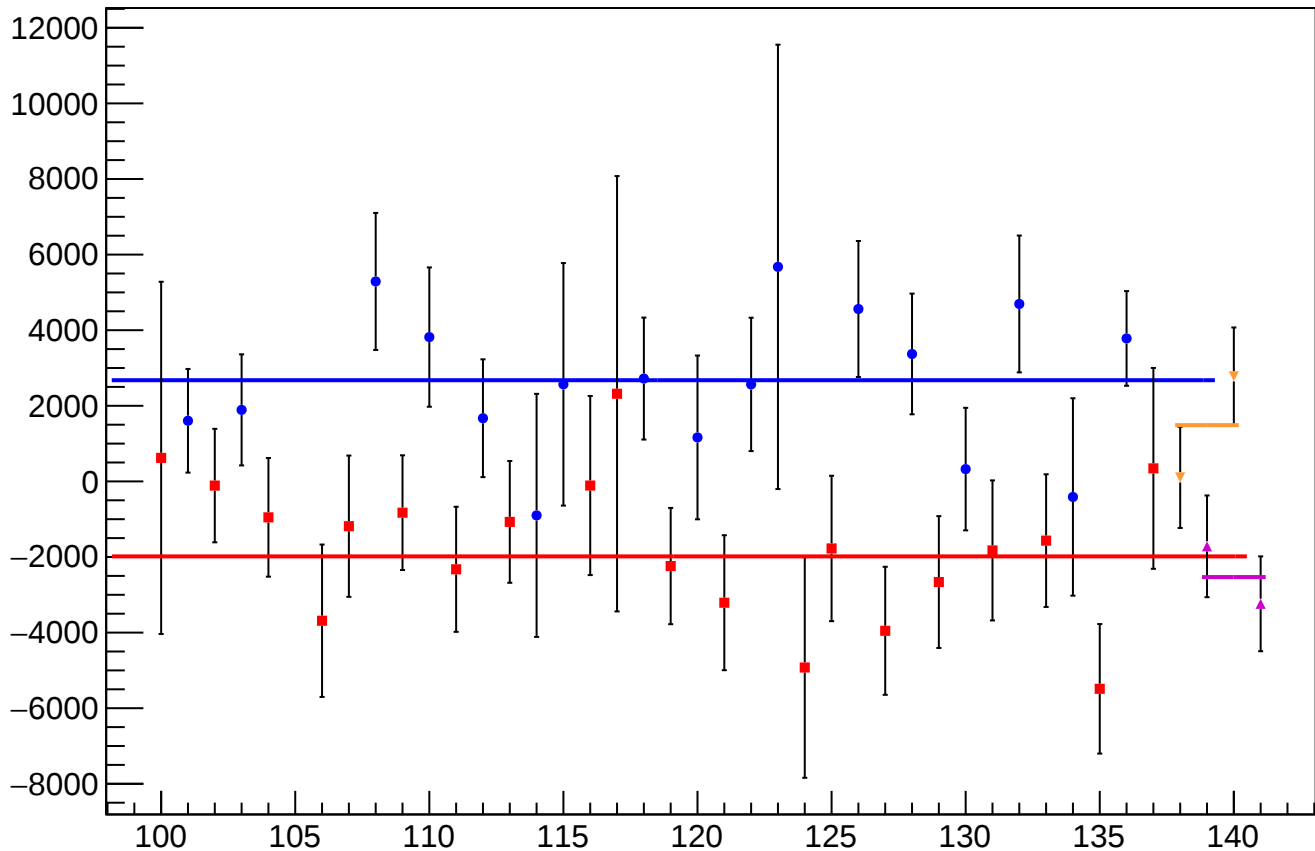
Right Out: 1516.127+/-0.411 χ^2/NDF : 480325.9/18

Left In: 1964.625+/-1.111 χ^2/NDF :1006.0/1

1555.832+/-0.390 χ^2/NDF : 390436.6/17

1570.128+/-0.386 χ^2/NDF : 624562.6/20

reg_asym_usr_mean vs Slug



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

Left Out: 1489.170+/-929.458 χ^2/NDF : 2.1/1

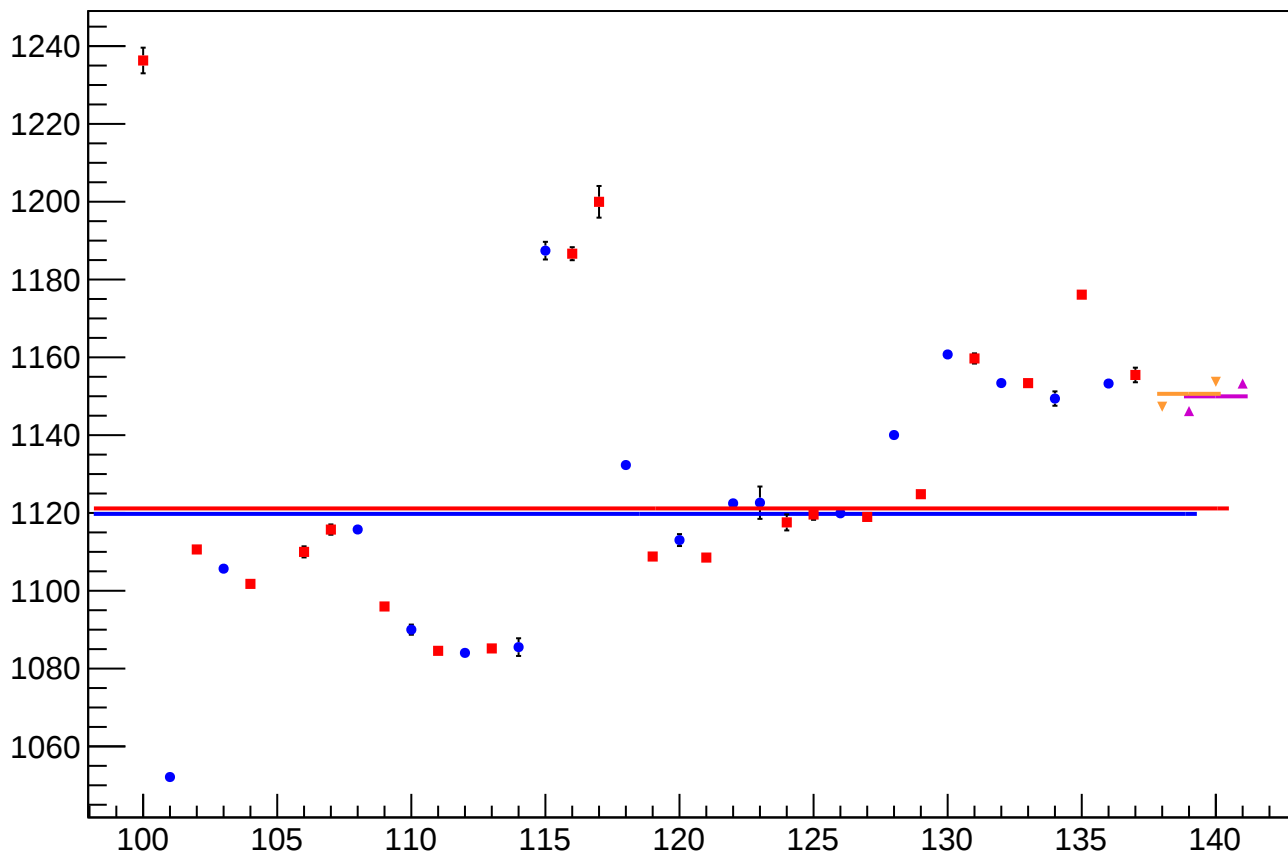
Right Out: -1983.779+/-418.059 χ^2/NDF : 13.4/19

Left In: -2530.722+/-917.590 χ^2/NDF : 0.7/1

2464.450+/-392.931 χ^2/NDF : 16.0/18

-2077.795+/-380.435 χ^2/NDF : 14.3/21

reg_asym_usr_rms vs Slug



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

Left Out: 1150.622 $\pm$ 0.657 χ^2 /NDF: 23.7/1

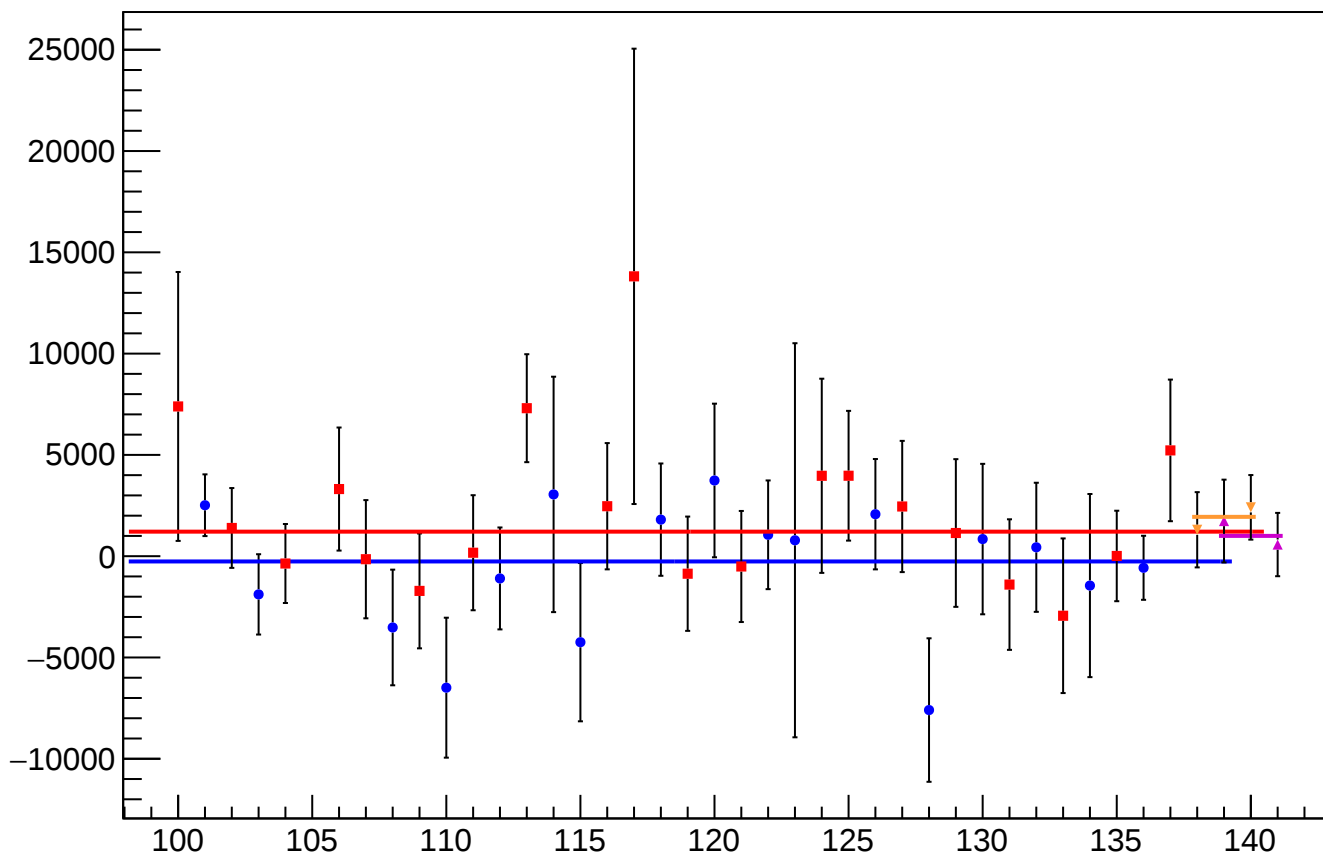
Right Out: 1121.164 $\pm$ 0.296 χ^2 /NDF: 10310.8/19

Left In: 1149.974 $\pm$ 0.649 χ^2 /NDF: 29.6/1

1125.277 $\pm$ 0.278 χ^2 /NDF: 13711.2/18

1126.116 $\pm$ 0.269 χ^2 /NDF: 11973.1/21

asym_usr_correction_mean vs Slug



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

Left Out: 1941.863+/-1209.593 χ^2/NDF : 0.2/1

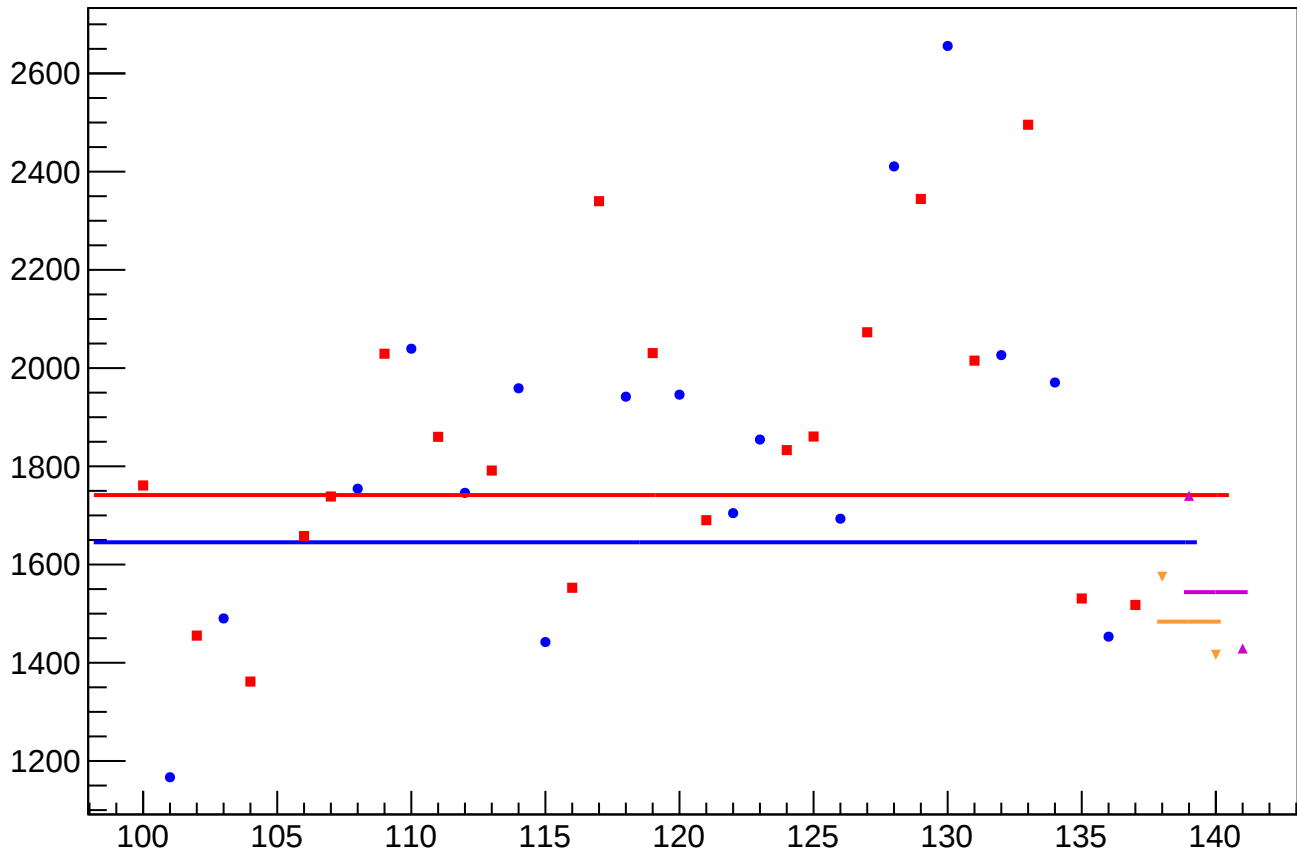
Right Out: 1211.378+/-661.281 χ^2/NDF : 15.7/19

Left In: 1002.200+/-1241.464 χ^2/NDF : 0.2/1

239.714+/-576.163 χ^2/NDF : 20.0/18

1165.146+/-583.645 χ^2/NDF : 15.9/21

asym_usr_correction_rms vs Slug



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

Left Out: 1483.695+/-0.855 χ^2/NDF : 8428.9/1

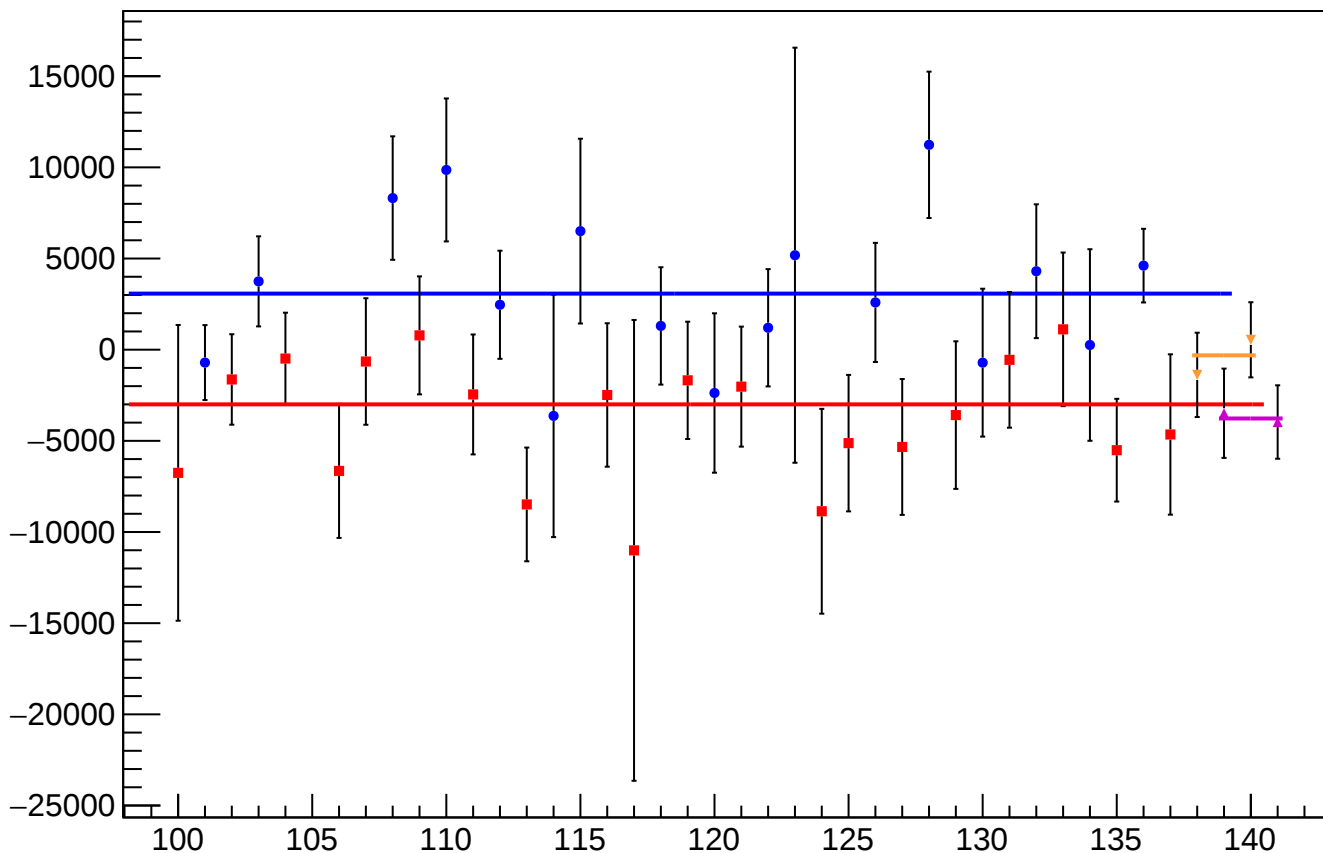
Right Out: 1741.460+/-0.468 χ^2/NDF : 376702.2/19

Left In: 1543.784+/-0.878 χ^2/NDF : 29205.7/1

1608.639+/-0.407 χ^2/NDF : 636945.8/18

1697.770+/-0.413 χ^2/NDF : 445407.9/21

asym_usr_mean vs Slug



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

Left Out: -309.200+/-1538.616 χ^2/NDF : 0.4/1

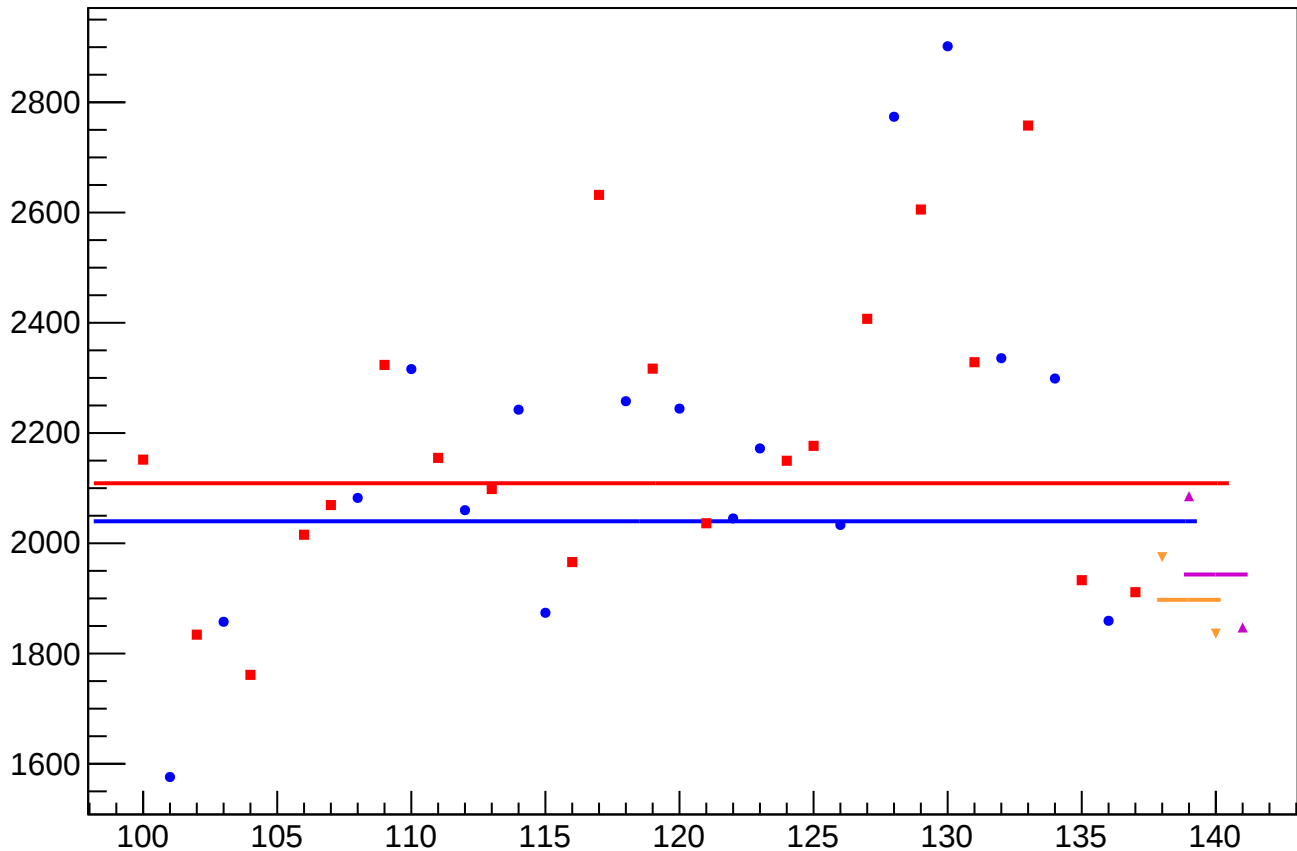
Right Out: -2999.277+/-794.066 χ^2/NDF : 12.3/19

Left In: -3773.443+/-1555.376 χ^2/NDF : 0.0/1

2351.925+/-711.358 χ^2/NDF : 22.8/18

-3159.338+/-707.231 χ^2/NDF : 12.5/21

asym_usr_rms vs Slug



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

Left Out: 1897.469+/-1.088 χ^2/NDF : 4011.5/1

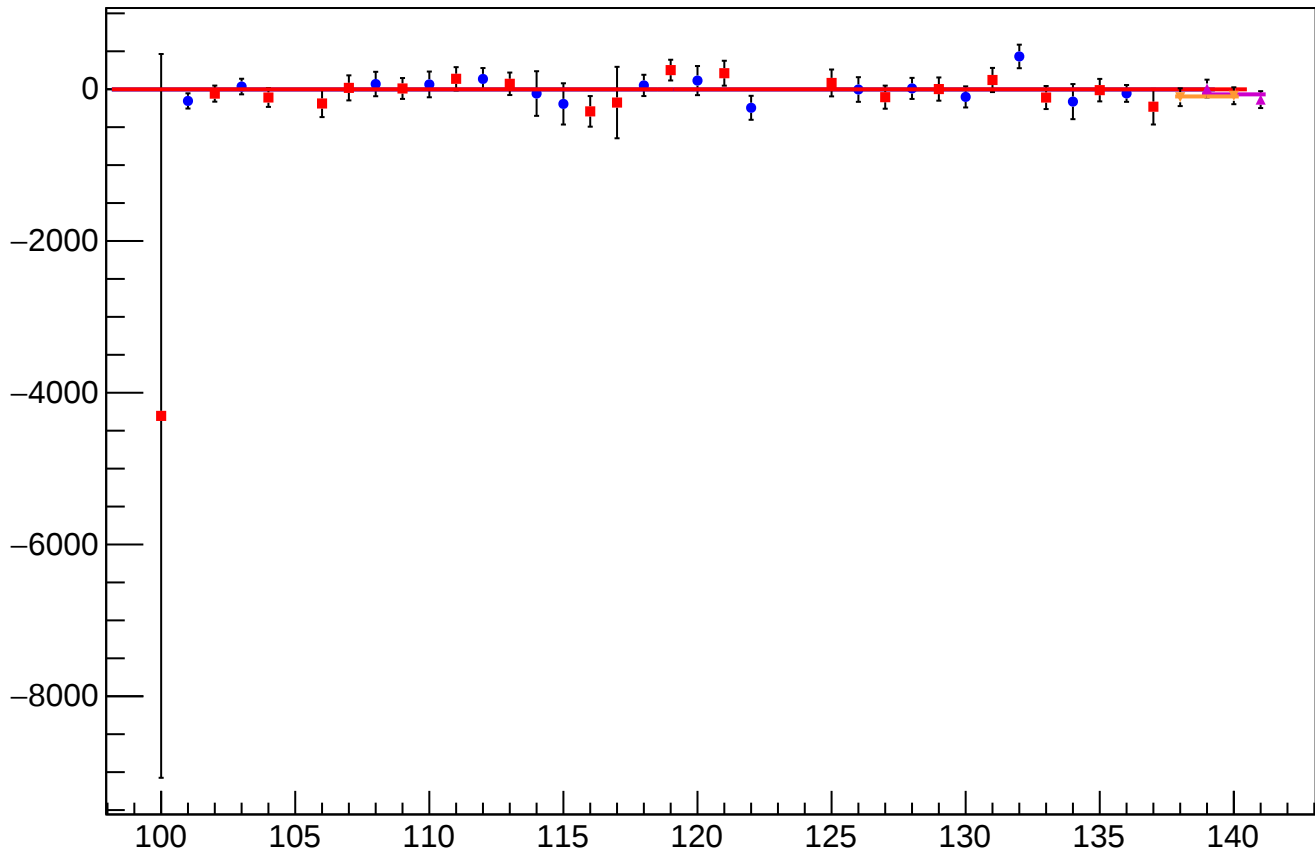
Right Out: 2108.906+/-0.561 χ^2/NDF : 198889.3/19

Left In: 1943.397+/-1.100 χ^2/NDF : 11277.5/1

2009.488+/-0.503 χ^2/NDF : 349478.6/18

2074.686+/-0.500 χ^2/NDF : 228131.1/21

reg_asym_dsl_mean vs Slug



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

Left Out: -95.202+/-80.637 χ^2/NDF : 0.0/1

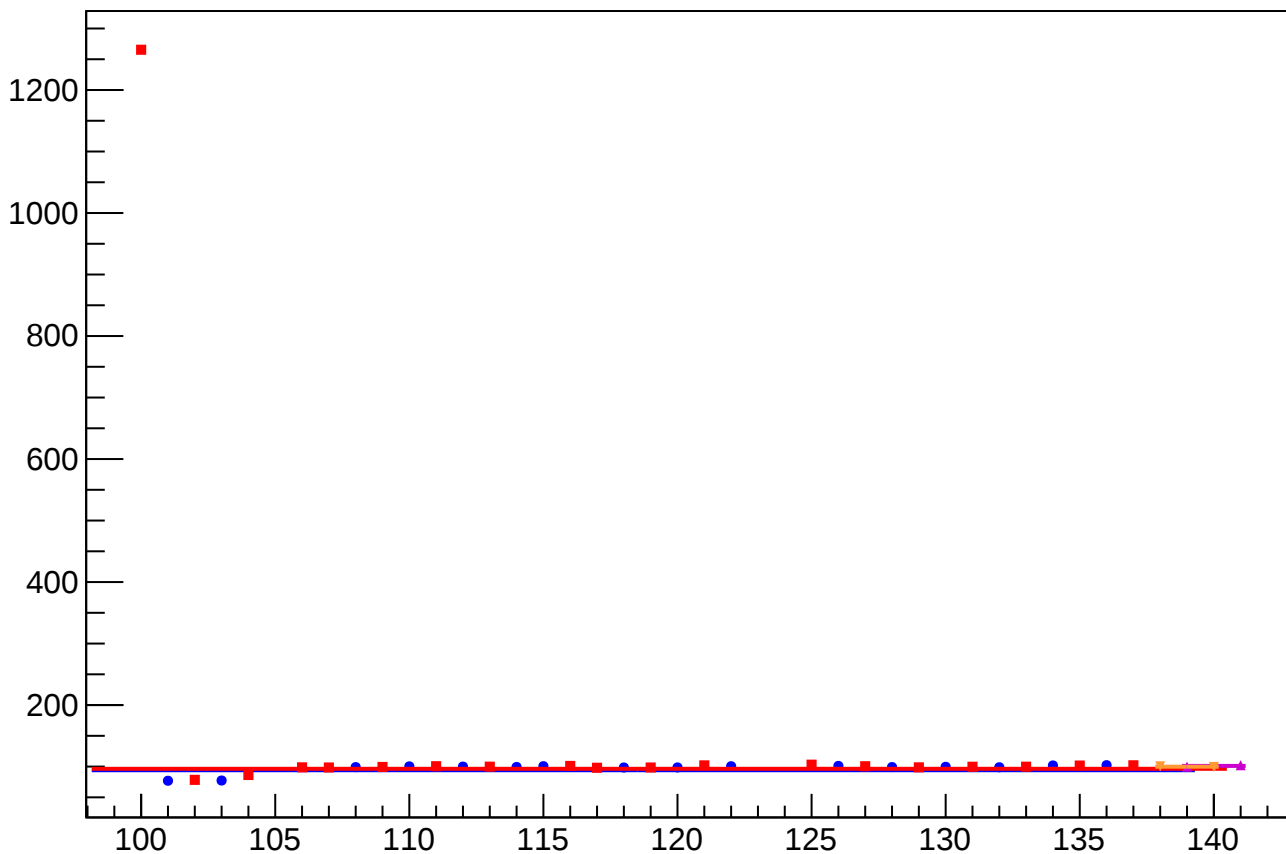
Right Out: -1.545+/-36.588 χ^2/NDF : 14.1/18

Left In: -67.829+/-80.659 χ^2/NDF : 0.8/1

-19.065+/-33.414 χ^2/NDF : 17.2/17

-12.857+/-33.320 χ^2/NDF : 15.5/20

reg_asym_dsl_rms vs Slug



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

Left Out: 99.823+/-0.057 χ^2/NDF : 66.9/1

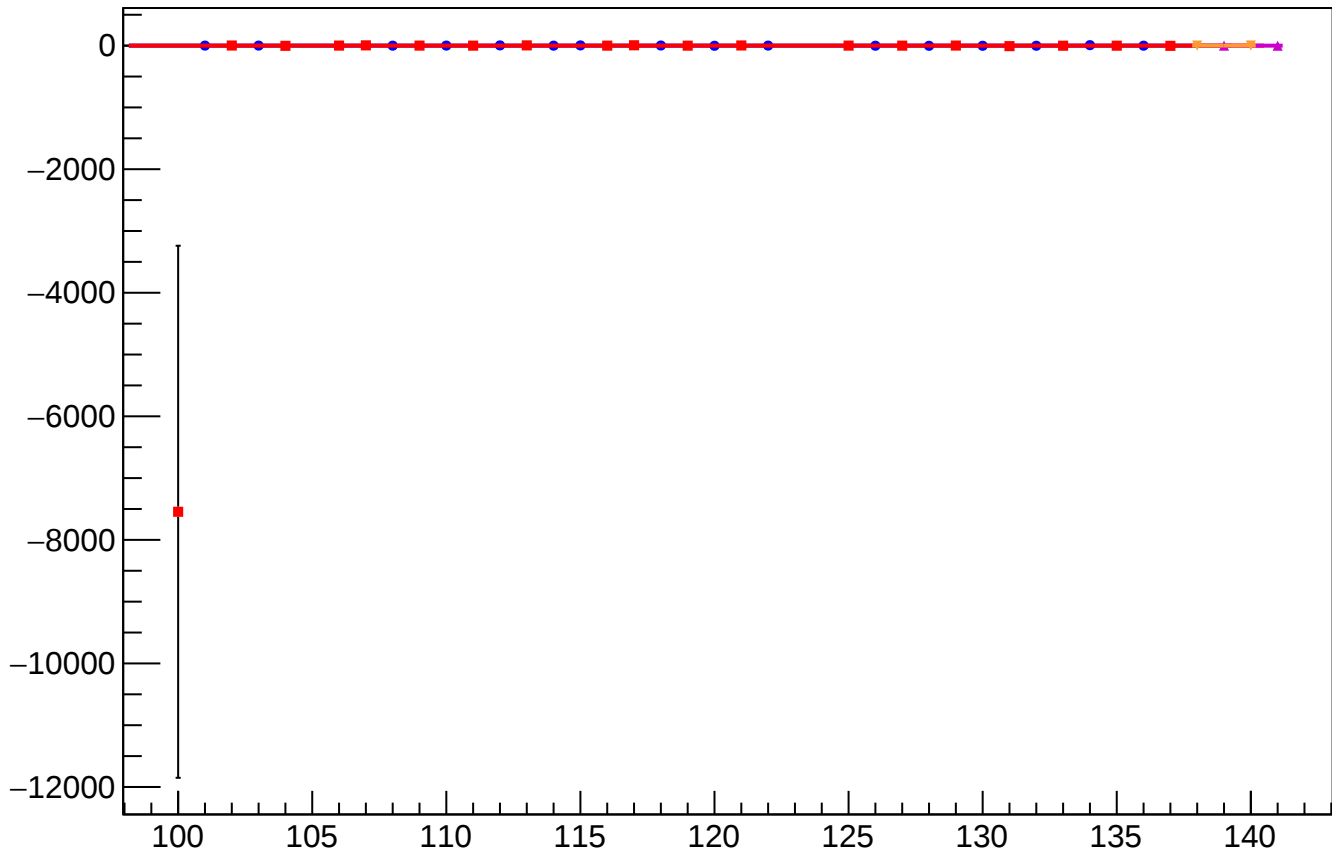
Right Out: 96.383+/-0.026 χ^2/NDF : 209255.3/18

Left In: 101.080+/-0.057 χ^2/NDF : 432.7/1

95.056+/-0.024 χ^2/NDF : 160788.5/17

97.184+/-0.024 χ^2/NDF : 215312.6/20

asym_dsl_correction_mean vs Slug



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

Left Out: 1.644+/-1.277 χ^2/NDF : 0.1/1

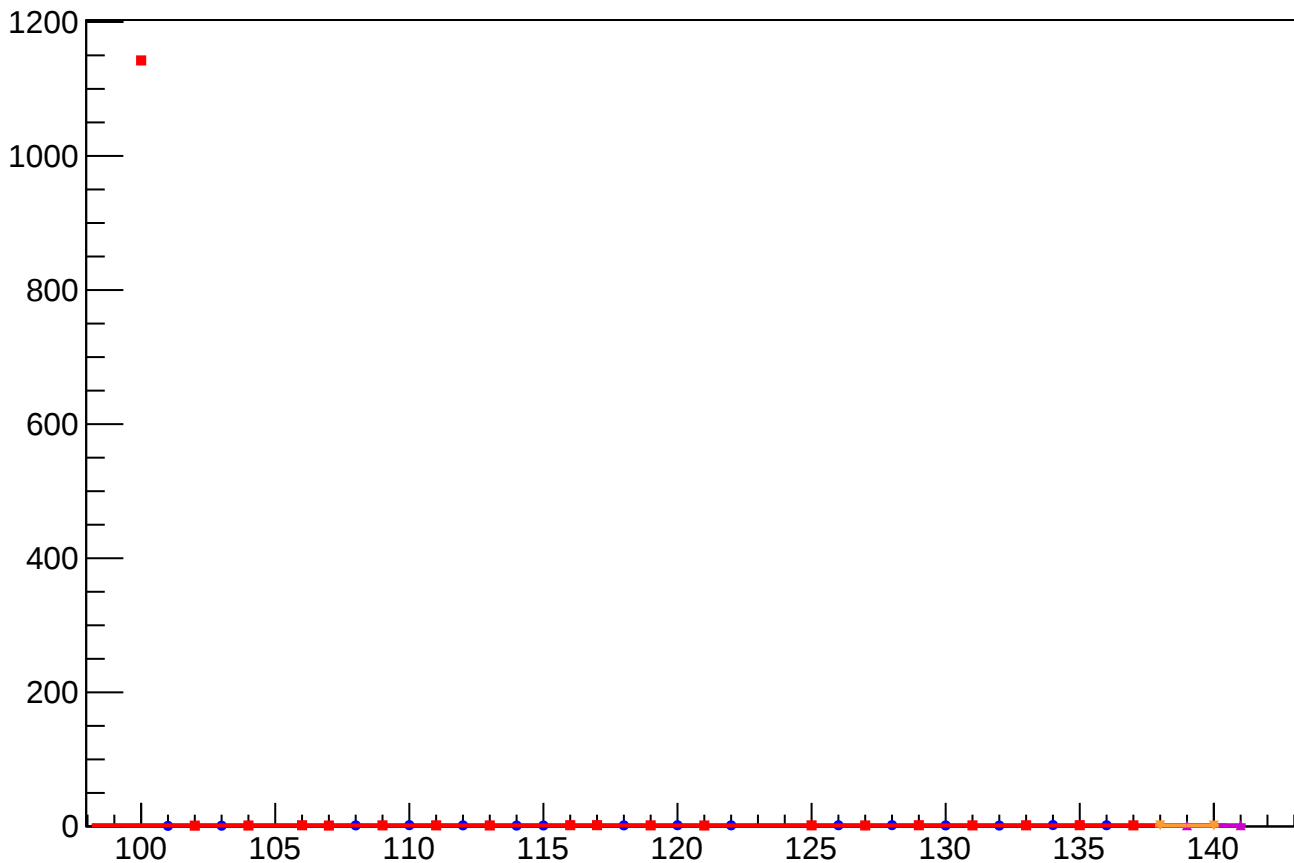
Right Out: 0.336+/-0.641 χ^2/NDF : 23.1/18

Left In: -0.253+/-1.565 χ^2/NDF : 0.2/1

0.656+/-0.555 χ^2/NDF : 10.6/17

0.251+/-0.593 χ^2/NDF : 23.4/20

asym_dsl_correction_rms vs Slug



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

Left Out: 1.394+/-0.001 χ^2/NDF : 19012.2/1

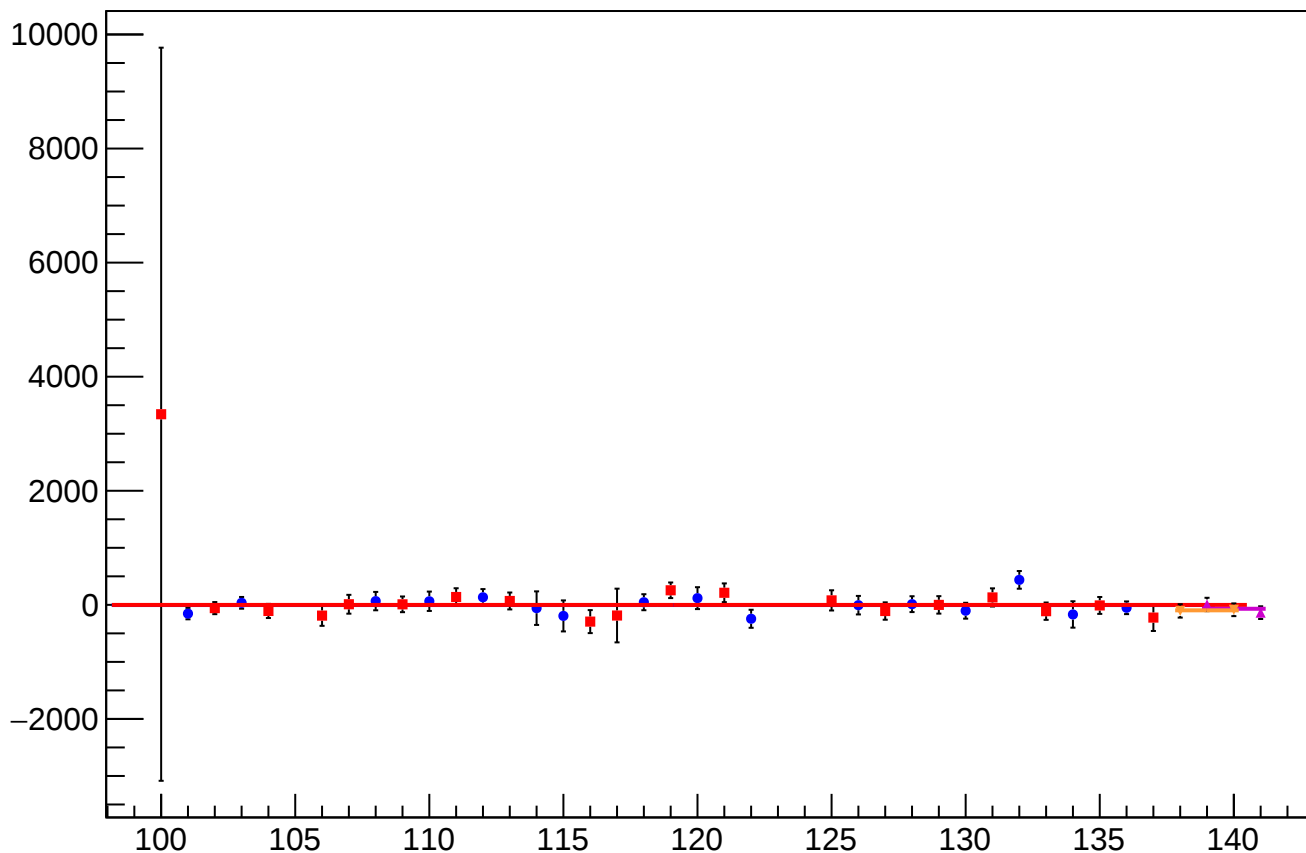
Right Out: 1.557+/-0.000 χ^2/NDF : 318750.9/18

Left In: 1.860+/-0.001 χ^2/NDF : 105.8/1

1.415+/-0.000 χ^2/NDF : 750596.2/17

1.601+/-0.000 χ^2/NDF : 382787.7/20

asym_dsl_mean vs Slug



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

Left Out: -95.989+/-80.658 χ^2/NDF : 0.0/1

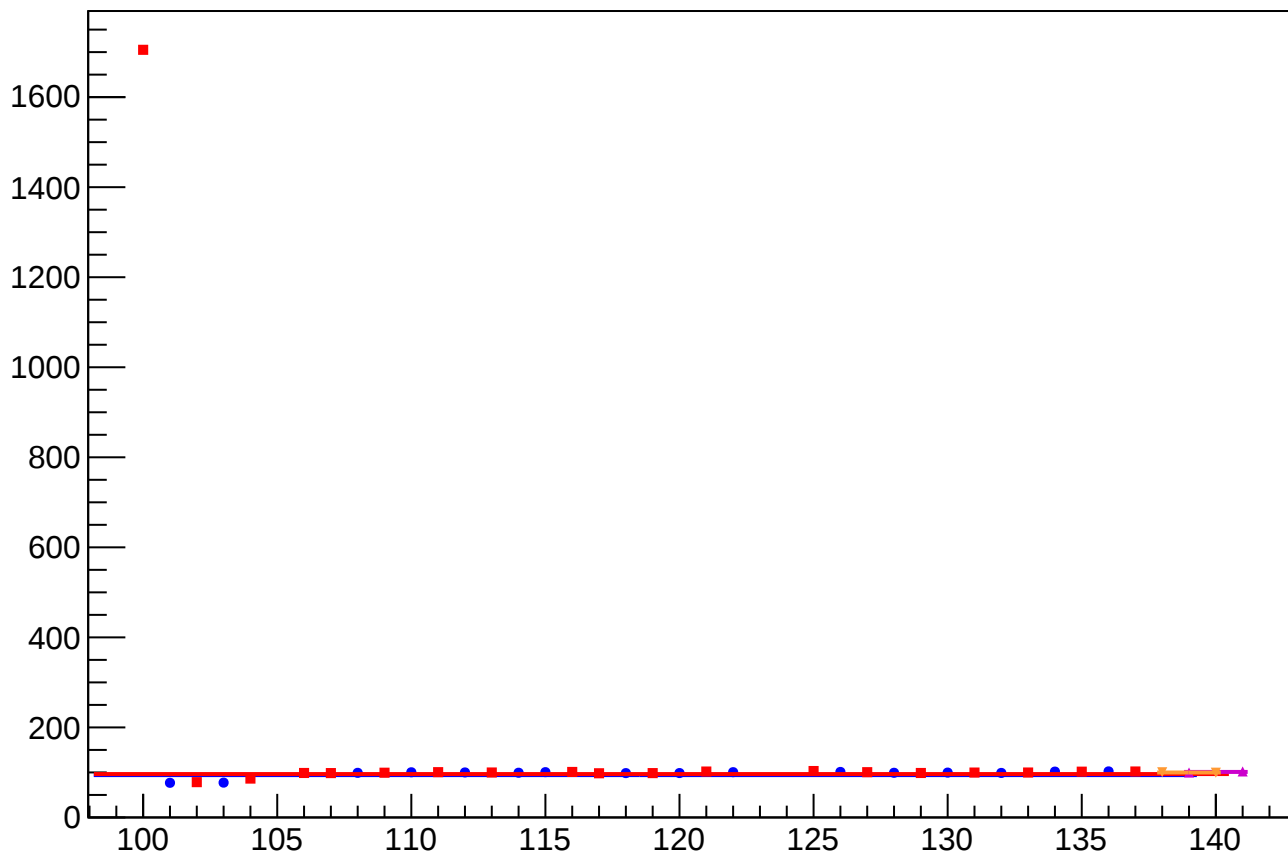
Right Out: -1.300+/-36.598 χ^2/NDF : 13.7/18

Left In: -68.709+/-80.681 χ^2/NDF : 0.8/1

-19.048+/-33.422 χ^2/NDF : 17.4/17

-12.804+/-33.329 χ^2/NDF : 15.0/20

asym_dsl_rms vs Slug



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

Left Out: 99.848+/-0.057 χ^2/NDF : 67.0/1

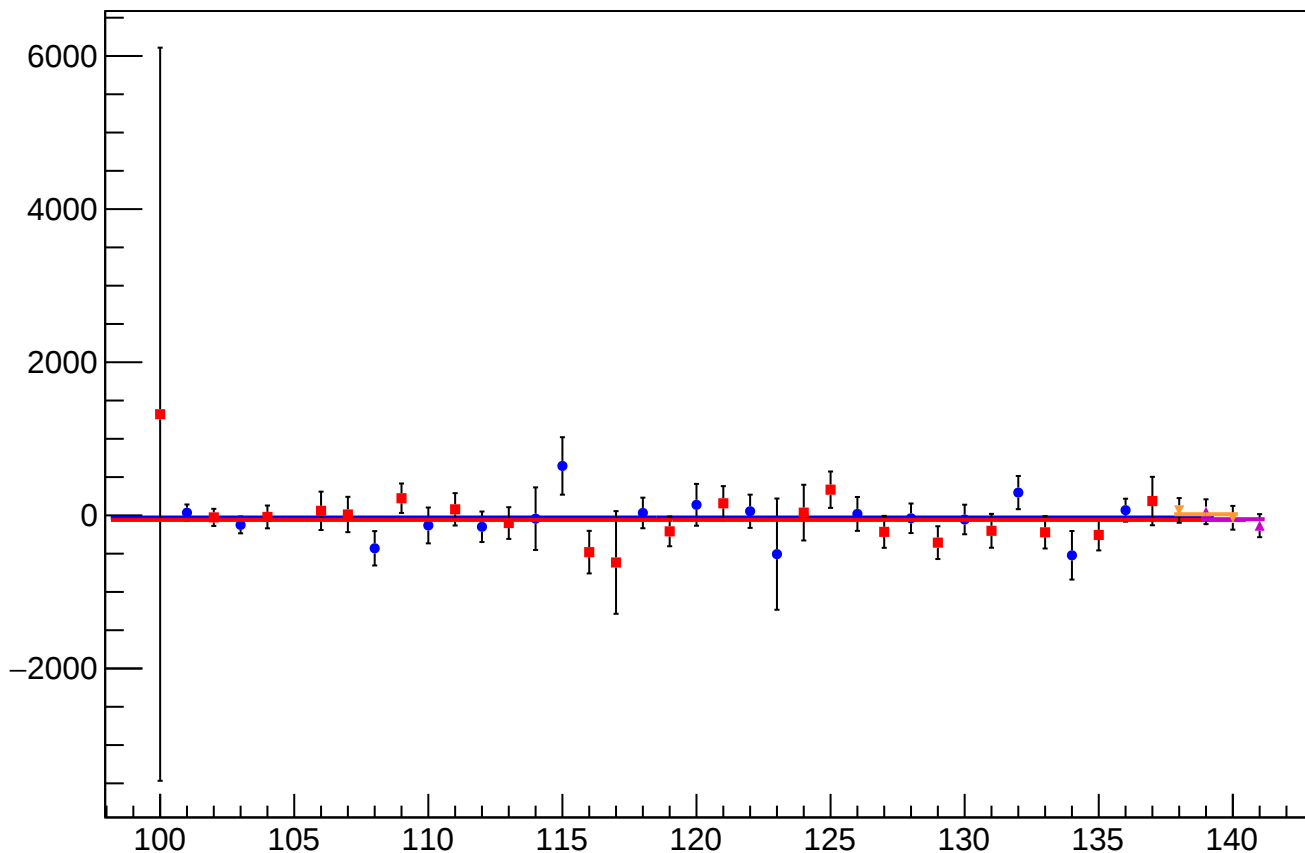
Right Out: 96.391+/-0.026 χ^2/NDF : 214389.8/18

Left In: 101.108+/-0.057 χ^2/NDF : 433.1/1

95.081+/-0.024 χ^2/NDF : 160808.4/17

97.196+/-0.024 χ^2/NDF : 220491.1/20

reg_asym_dsr_mean vs Slug



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

Left Out: 14.781 ± 111.790 χ^2/NDF : 0.2/1

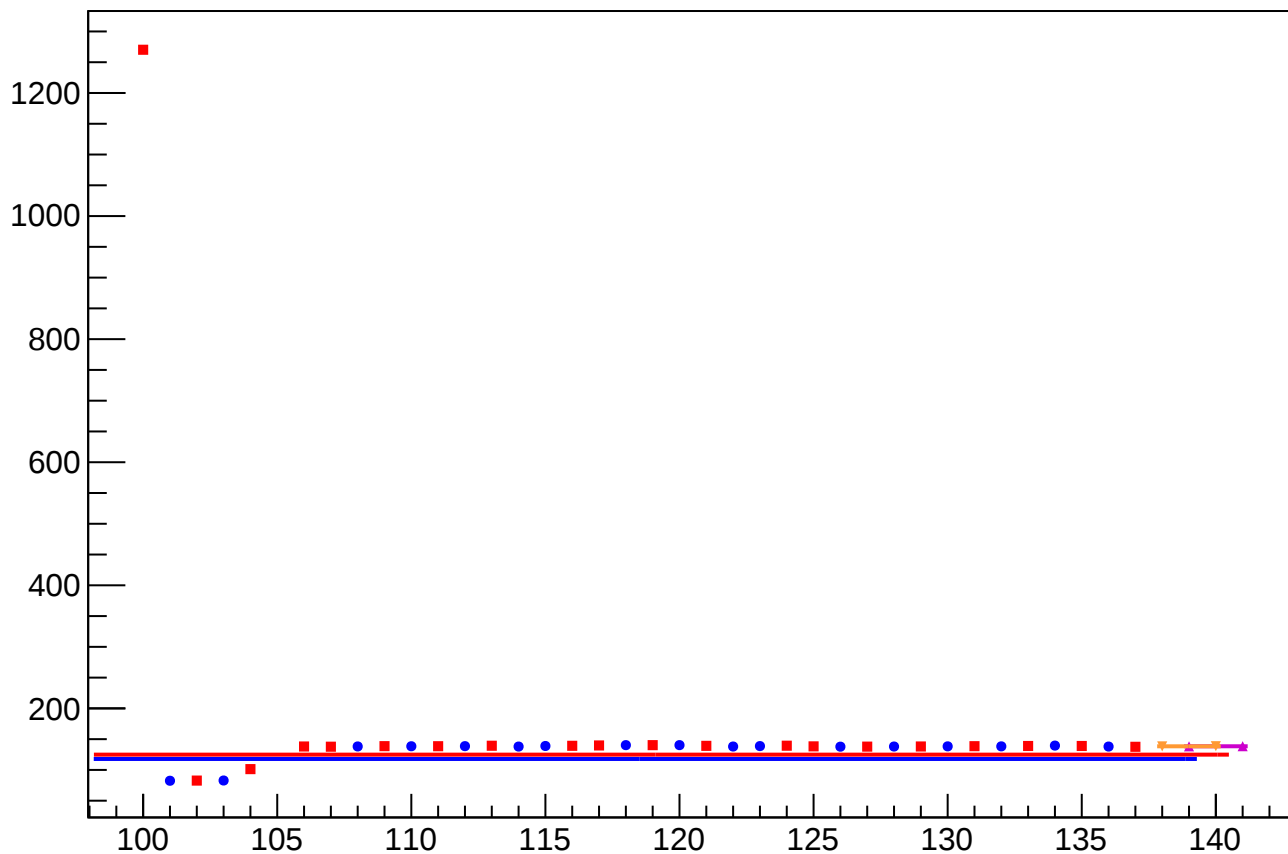
Right Out: -59.211 ± 47.588 χ^2/NDF : 15.6/19

Left In: -50.049 ± 110.469 χ^2/NDF : 0.7/1

-21.490 ± 43.151 χ^2/NDF : 14.6/18

-57.777 ± 43.705 χ^2/NDF : 16.3/21

reg_asym_dsr_rms vs Slug



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

Left Out: 138.387 ± 0.079 χ^2/NDF : 2.9/1

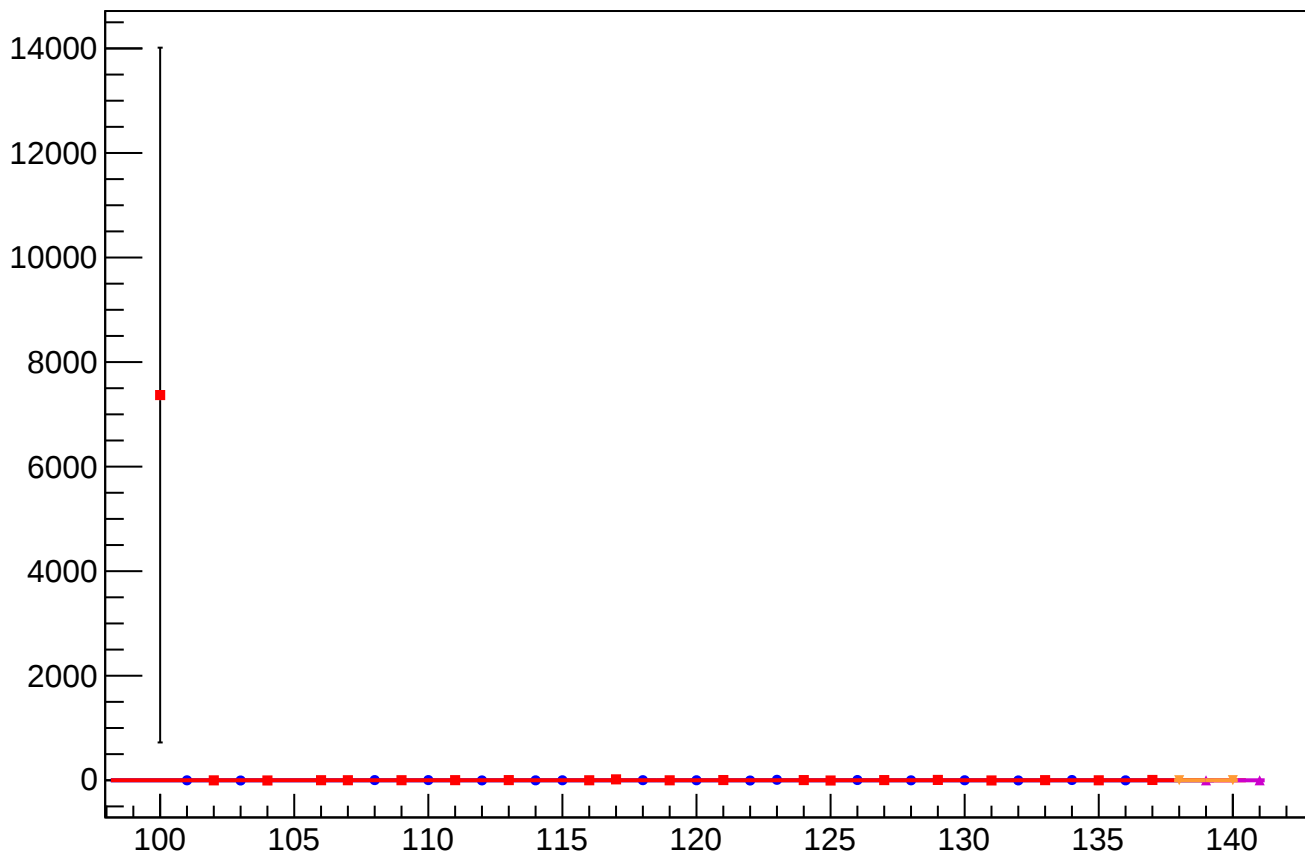
Right Out: 124.839 ± 0.034 χ^2/NDF : 570766.0/19

Left In: 138.443 ± 0.078 χ^2/NDF : 2.1/1

120.880 ± 0.031 χ^2/NDF : 724224.2/18

126.968 ± 0.031 χ^2/NDF : 596351.8/21

asym_dsr_correction_mean vs Slug



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

Left Out: 1.359 ± 2.097 χ^2/NDF : 0.1/1

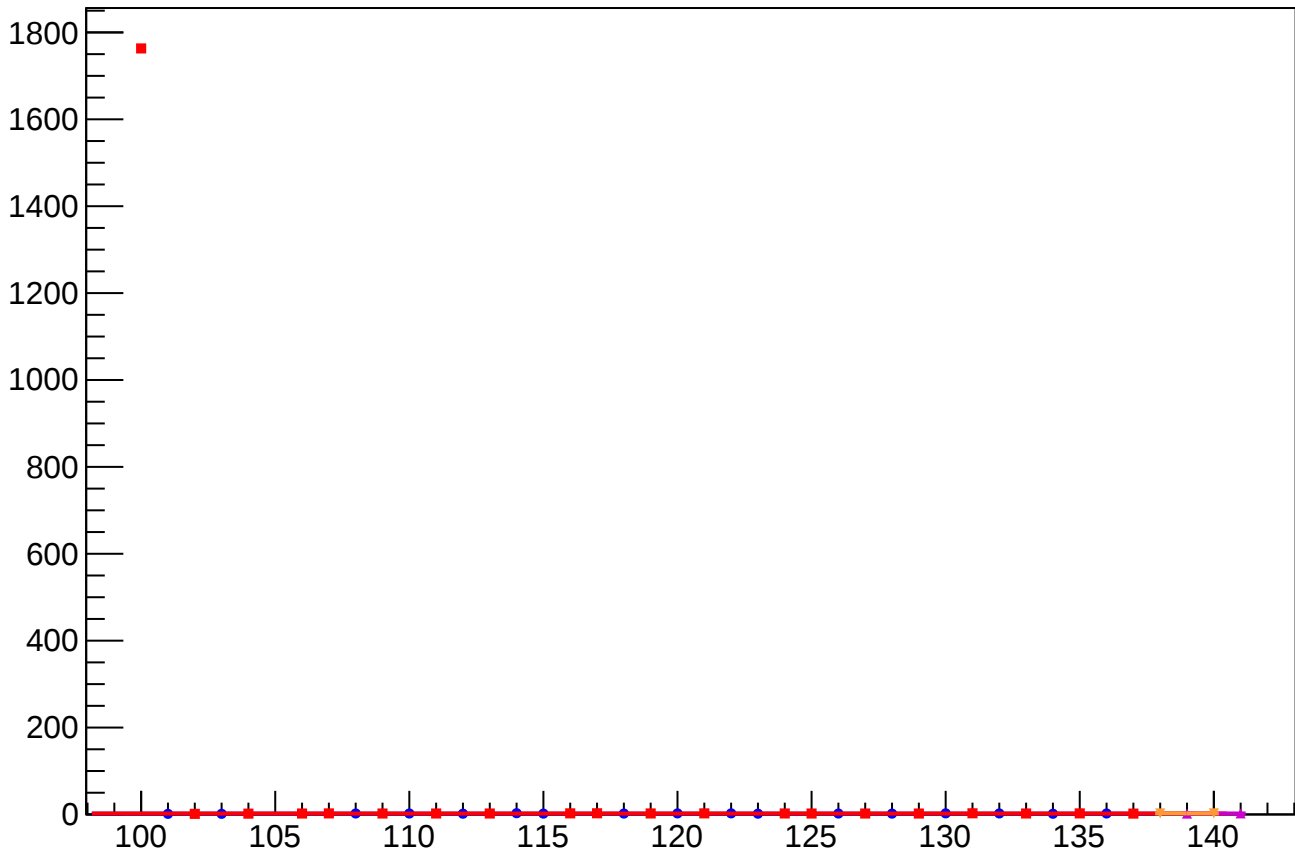
Right Out: 0.719 ± 0.849 χ^2/NDF : 15.3/19

Left In: -0.457 ± 1.978 χ^2/NDF : 0.0/1

-0.428 ± 0.756 χ^2/NDF : 13.6/18

0.536 ± 0.780 χ^2/NDF : 15.6/21

asym_dsr_correction_rms vs Slug



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

Left Out: 2.458 $\pm$ 0.001 χ^2 /NDF: 4256.8/1

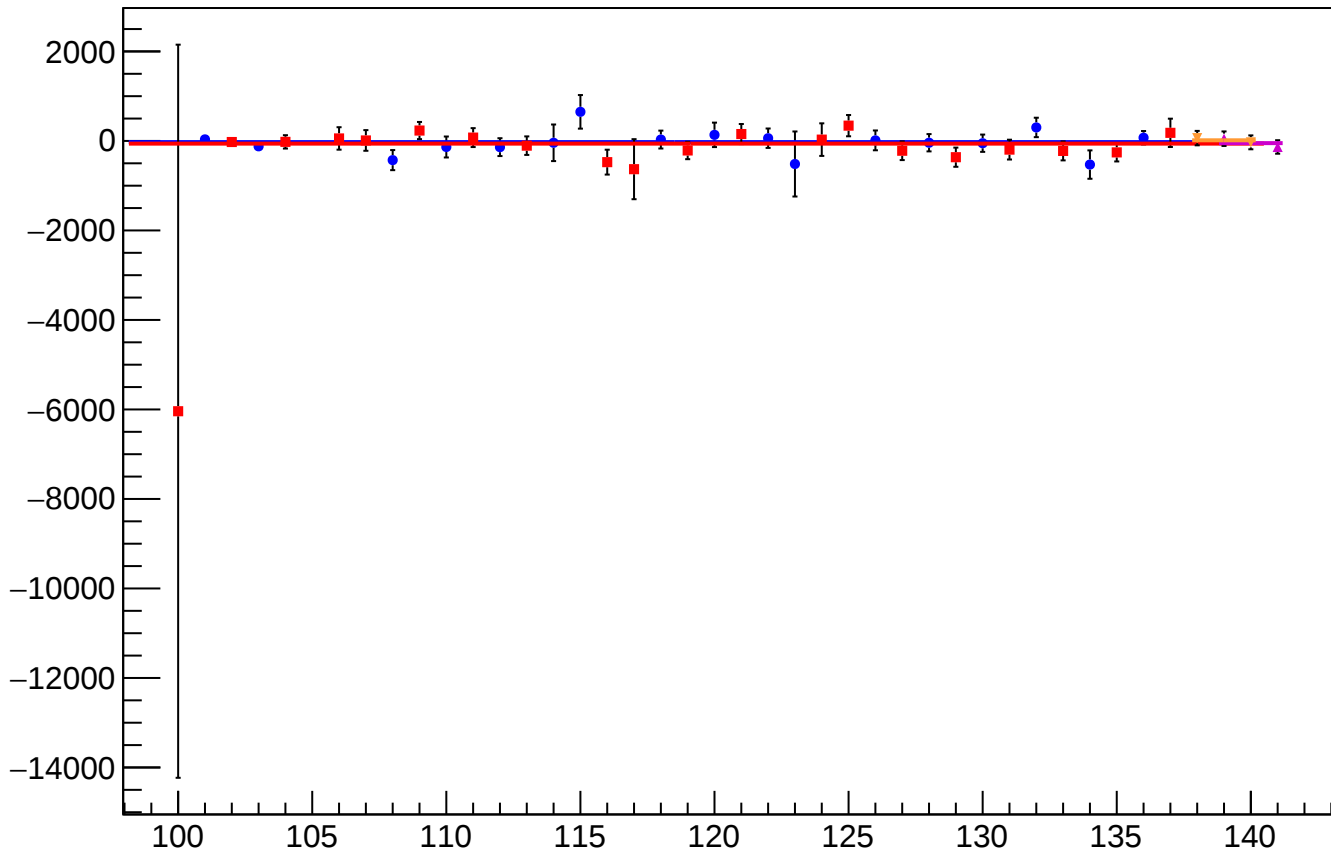
Right Out: 2.068 $\pm$ 0.001 χ^2 /NDF: 530286.7/19

Left In: 2.250 $\pm$ 0.001 χ^2 /NDF: 27369.9/1

1.946 $\pm$ 0.001 χ^2 /NDF: 634778.5/18

2.096 $\pm$ 0.001 χ^2 /NDF: 571927.6/21

asym_dsr_mean vs Slug



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

Left Out: 14.080+/-111.819 χ^2/NDF : 0.2/1

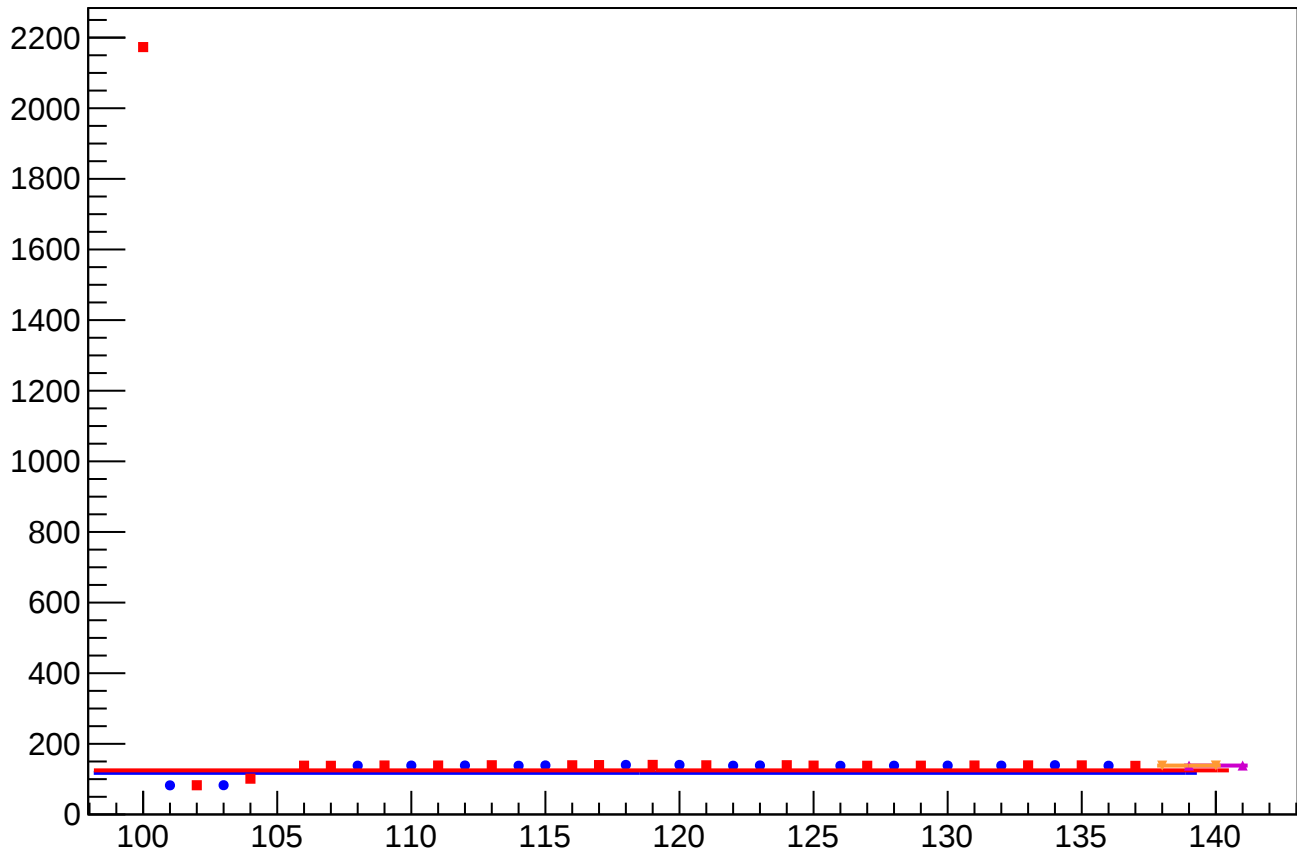
Right Out: -60.159+/-47.602 χ^2/NDF : 16.2/19

Left In: -49.089+/-110.500 χ^2/NDF : 0.7/1

-20.248+/-43.163 χ^2/NDF : 14.7/18

-58.426+/-43.718 χ^2/NDF : 16.9/21

asym_dsr_rms vs Slug



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

Left Out: 138.423 $\pm$ 0.079 χ^2 /NDF: 2.9/1

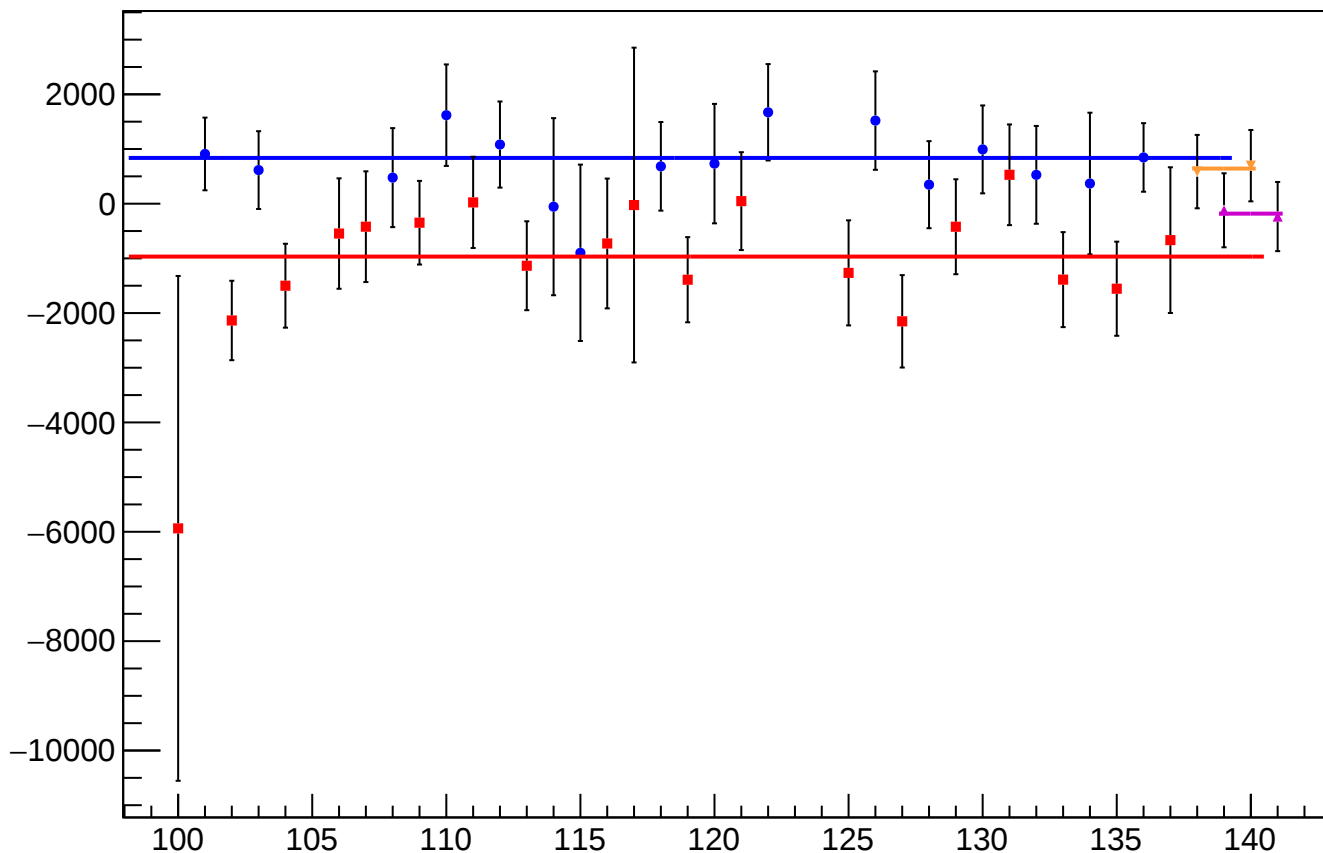
120.913 $\pm$ 0.031 χ^2 /NDF: 724259.1/18

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

126.965 $\pm$ 0.031 χ^2 /NDF: 607107.6/21

Left In: 138.482 $\pm$ 0.078 χ^2 /NDF: 2.2/1

reg_asym_left_avg_mean vs Slug



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

Left Out: 642.654+/-468.001 χ^2/NDF : 0.0/1

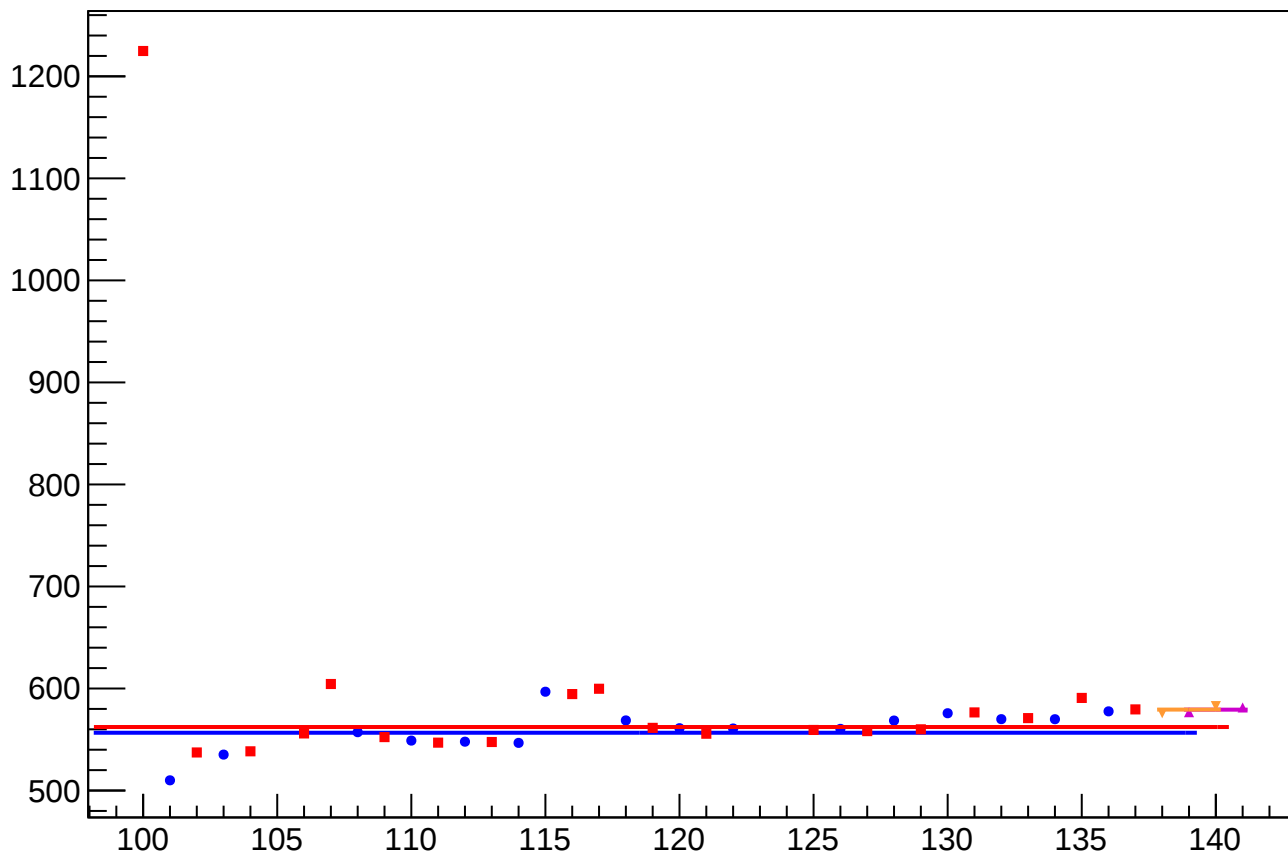
Right Out: -967.277+/-212.168 χ^2/NDF : 14.4/18

Left In: -181.792+/-462.212 χ^2/NDF : 0.0/1

802.863+/-196.255 χ^2/NDF : 4.9/17

-830.575+/-192.823 χ^2/NDF : 16.8/20

reg_asym_left_avg_rms vs Slug



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

Left Out: 579.345 ± 0.331 χ^2/NDF : 111.1/1

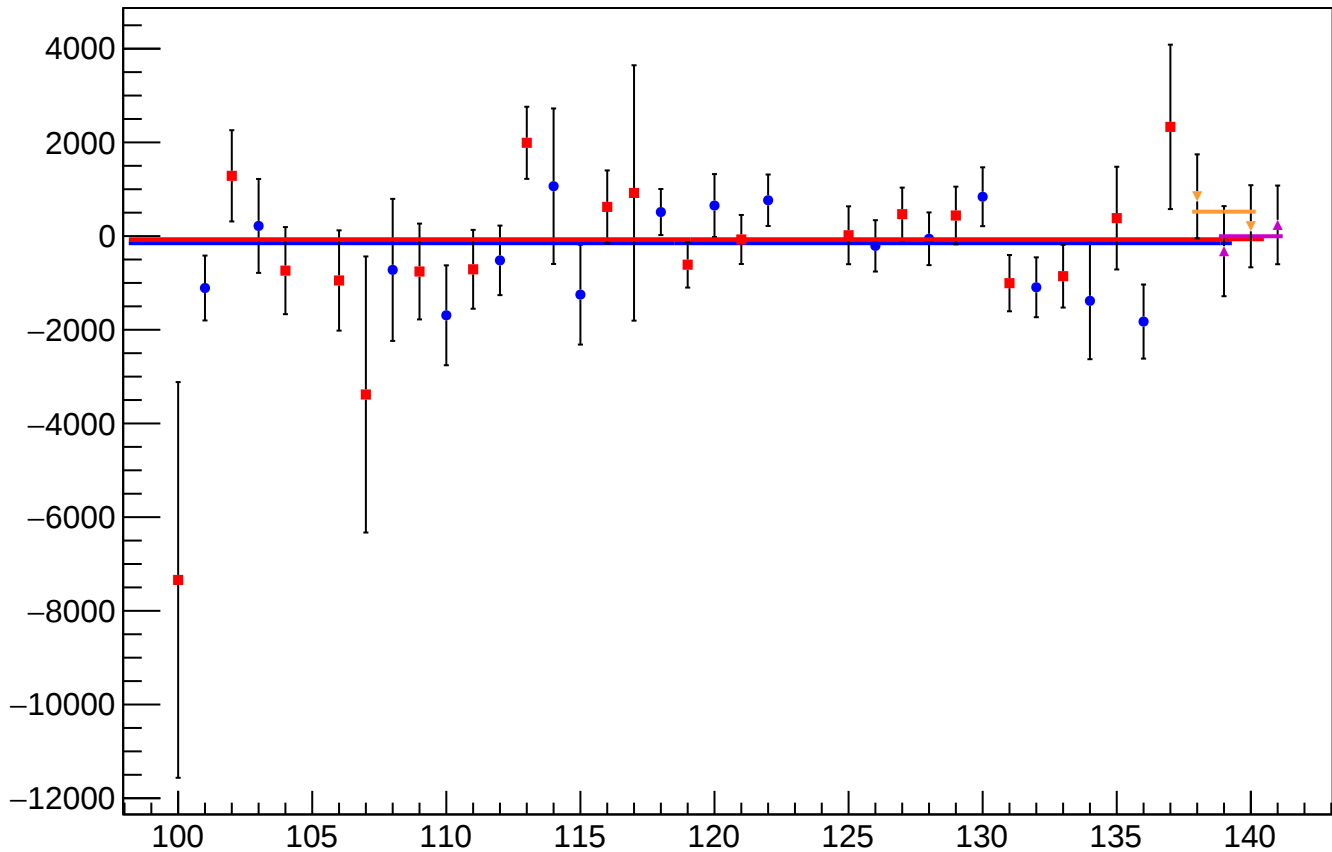
Right Out: 562.253 ± 0.150 χ^2/NDF : 55916.7/18

Left In: 579.266 ± 0.327 χ^2/NDF : 50.0/1

560.630 ± 0.139 χ^2/NDF : 22383.2/17

565.214 ± 0.136 χ^2/NDF : 58204.8/20

asym_left_avg_correction_mean vs Slug



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

Left Out: 521.748+/-626.872 χ^2 /NDF: 0.3/1

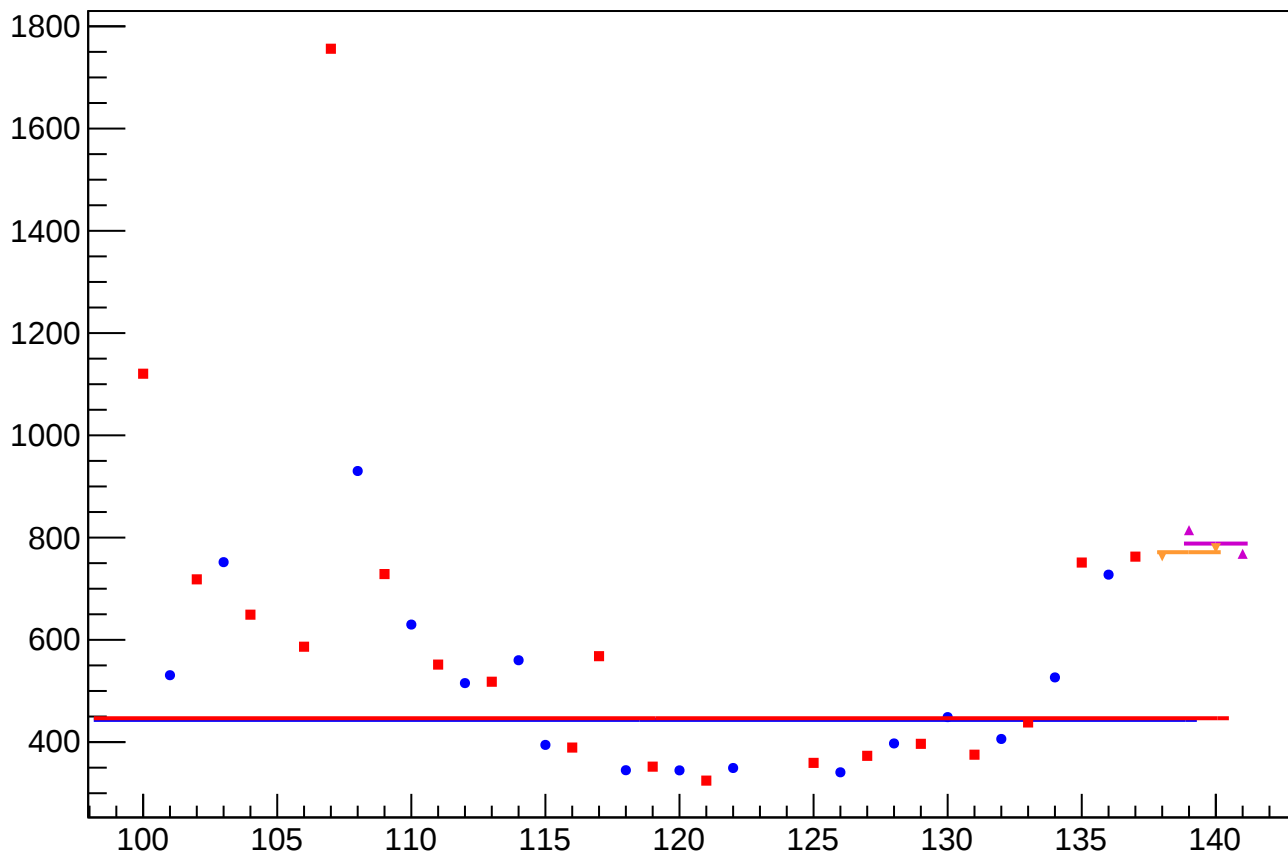
Right Out: -67.516+/-178.283 χ^2 /NDF: 25.1/18

Left In: -3.673+/-632.558 χ^2 /NDF: 0.2/1

-100.526+/-173.078 χ^2 /NDF: 23.6/17

-62.818+/-171.598 χ^2 /NDF: 25.3/20

asym_left_avg_correction_rms vs Slug



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

Left Out: 771.422+/-0.443 χ^2/NDF : 322.1/1

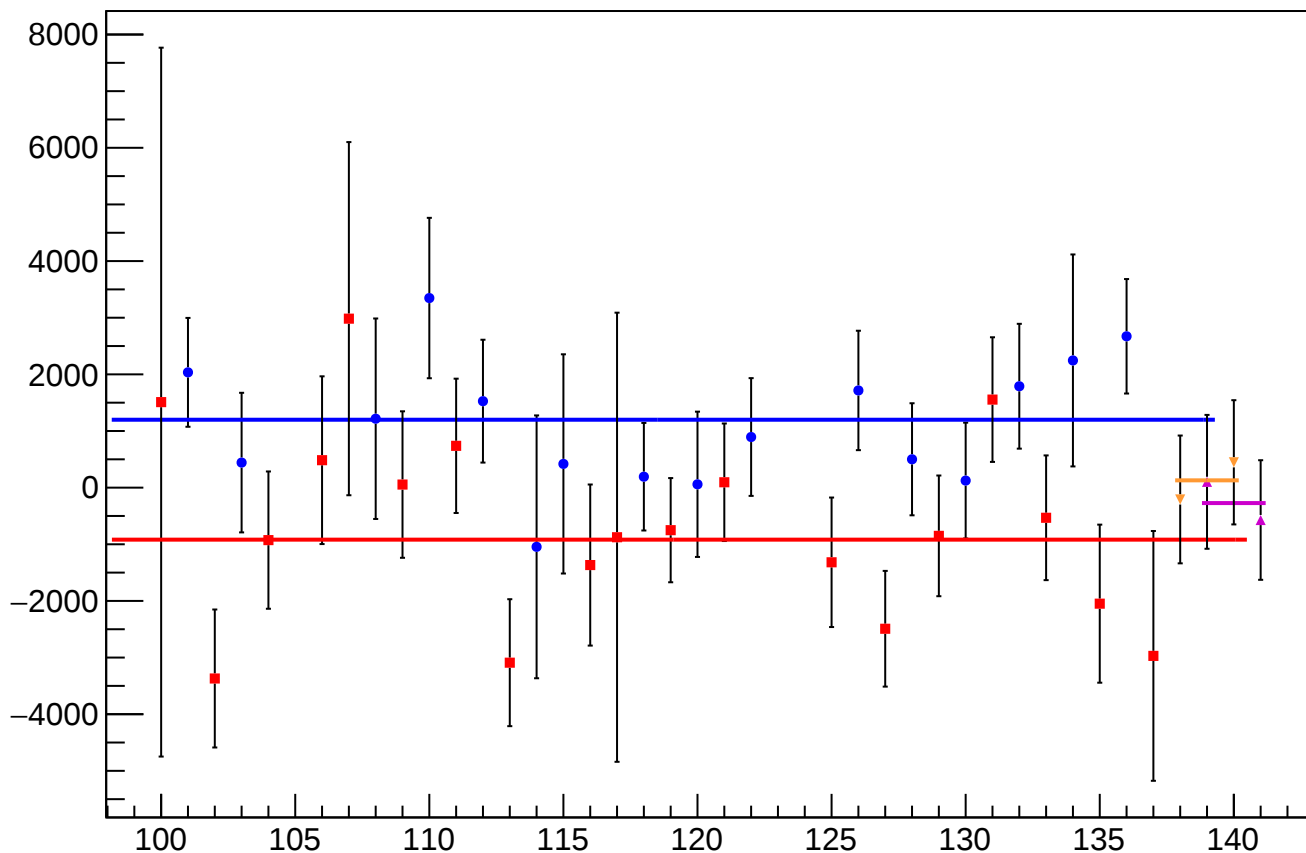
Right Out: 446.668+/-0.126 χ^2/NDF : 1463968.9/18

Left In: 788.296+/-0.447 χ^2/NDF : 2620.7/1

468.452+/-0.122 χ^2/NDF : 1566981.4/17

471.809+/-0.121 χ^2/NDF : 2007018.7/20

asym_left_avg_mean vs Slug



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

Left Out: 128.822 ± 786.371 χ^2/NDF : 0.2/1

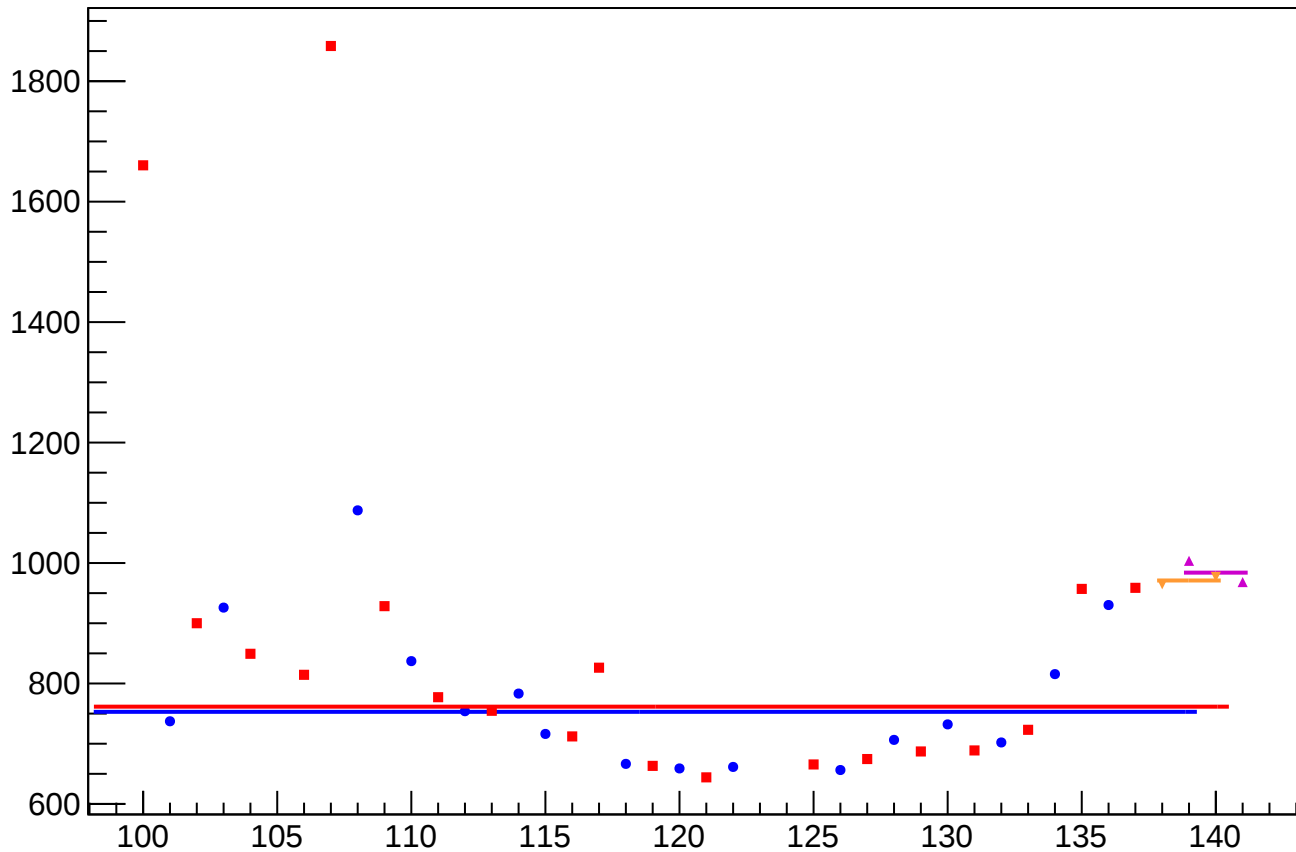
Right Out: -918.180 ± 292.495 χ^2/NDF : 23.2/18

Left In: -272.390 ± 787.266 χ^2/NDF : 0.2/1

1066.758 ± 276.404 χ^2/NDF : 13.0/17

-839.849 ± 274.183 χ^2/NDF : 24.0/20

asym_left_avg_rms vs Slug



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

Left Out: 971.013 $\pm$ 0.556 χ^2 /NDF:123.9/1

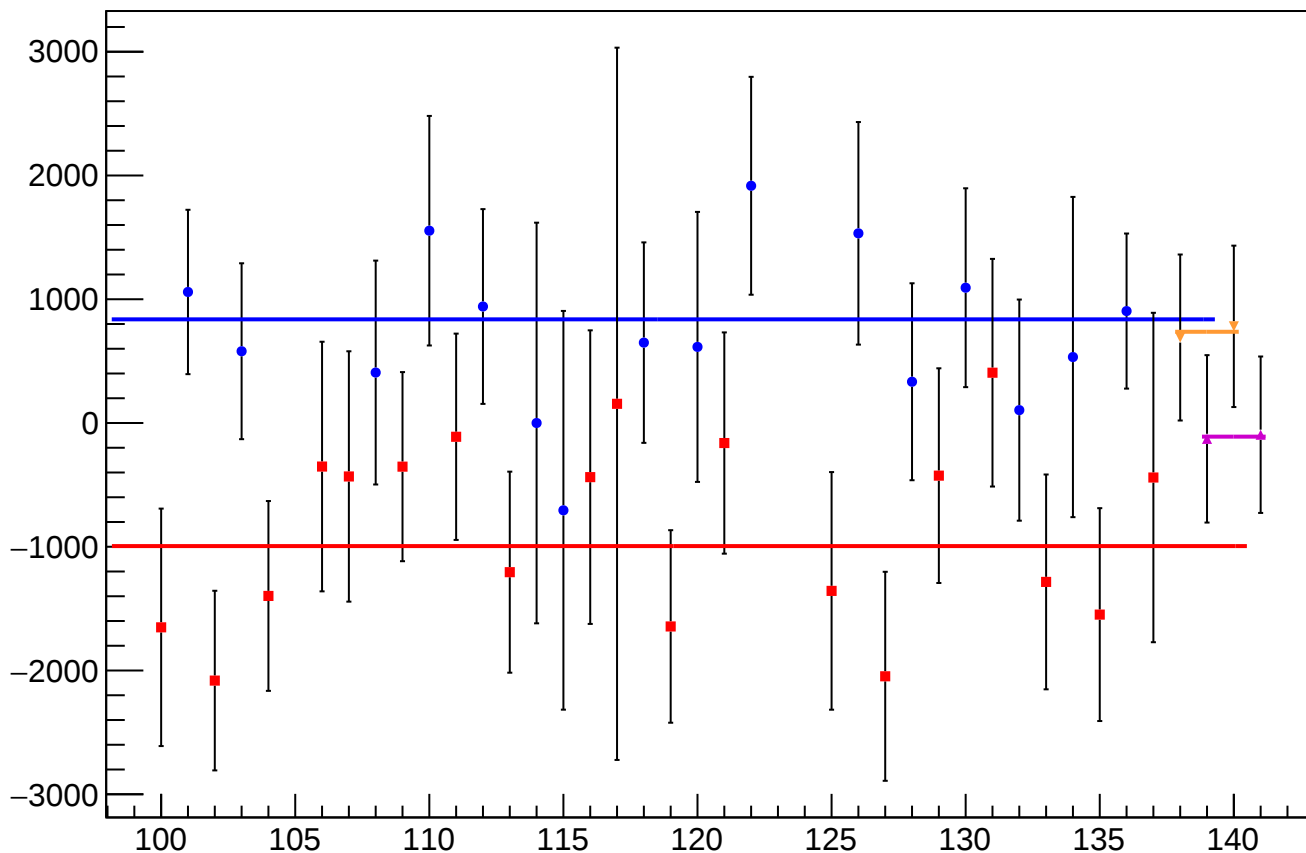
Right Out: 761.514 $\pm$ 0.207 χ^2 /NDF: 517672.2/18

Left In: 984.032 $\pm$ 0.557 χ^2 /NDF:993.0/1

779.880 $\pm$ 0.195 χ^2 /NDF: 387459.2/17

788.504 $\pm$ 0.194 χ^2 /NDF: 659063.5/20

reg_asym_left_dd_mean vs Slug



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

Left Out: 737.173 $\pm$ 467.551 χ^2 /NDF: 0.0/1

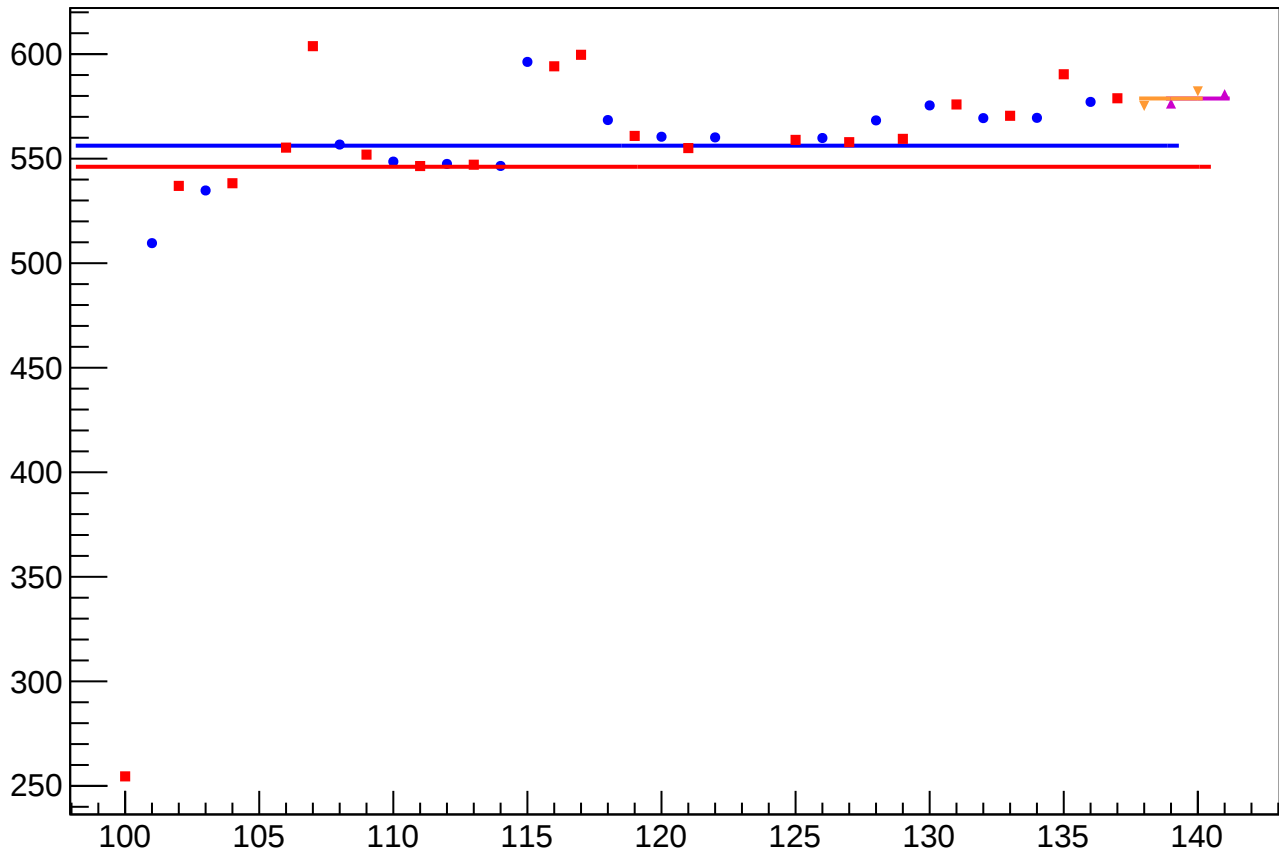
Right Out: -994.626 $\pm$ 207.208 χ^2 /NDF: 12.7/18

Left In: -110.260 $\pm$ 461.809 χ^2 /NDF: 0.0/1

819.899 $\pm$ 196.098 χ^2 /NDF: 5.8/17

-846.421 $\pm$ 189.050 χ^2 /NDF: 15.7/20

reg_asym_left_dd_rms vs Slug



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

Left Out: 578.786 $\pm$ 0.331 χ^2 /NDF:111.8/1

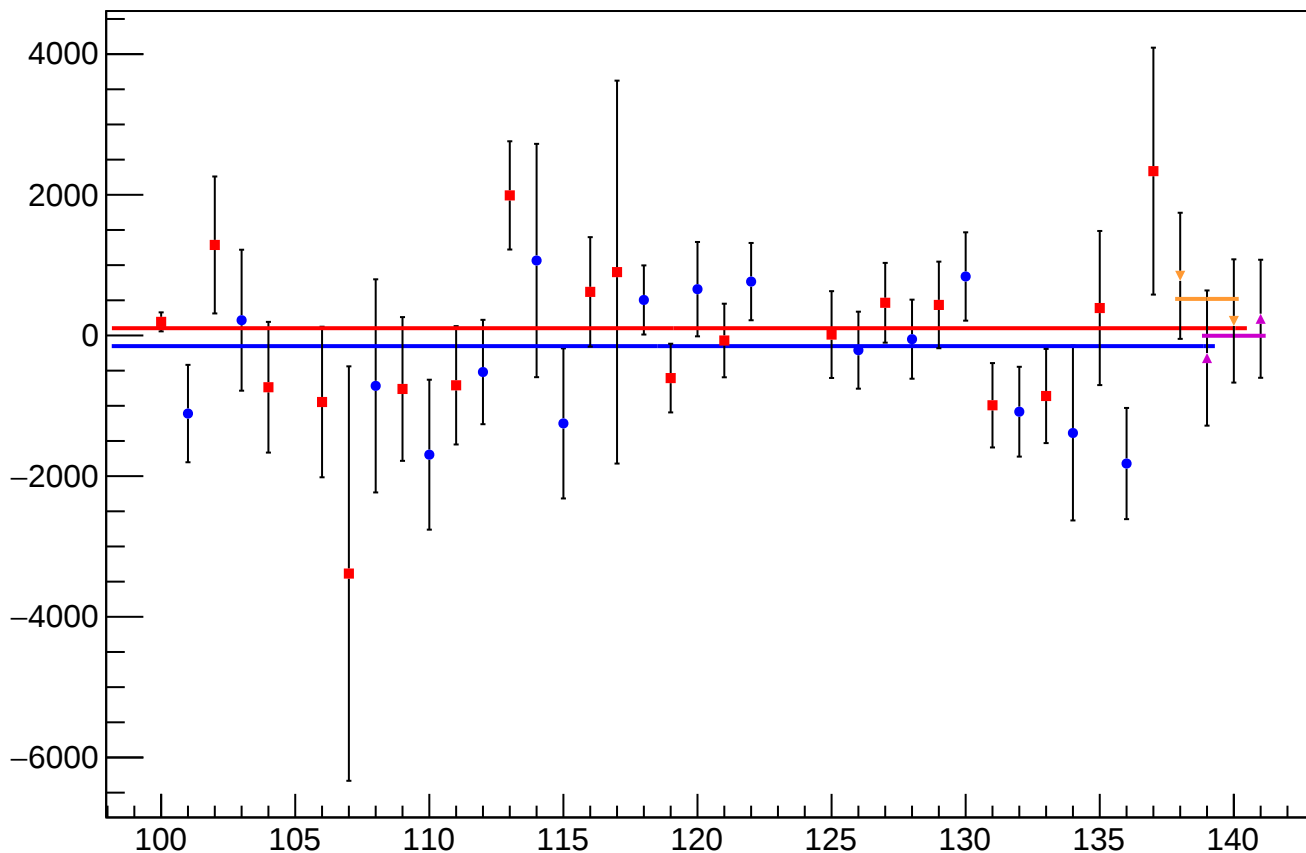
Right Out: 546.124 $\pm$ 0.147 χ^2 /NDF: 208336.6/18

Left In: 578.762 $\pm$ 0.327 χ^2 /NDF:47.1/1

560.181 $\pm$ 0.139 χ^2 /NDF: 22372.0/17

551.593 $\pm$ 0.134 χ^2 /NDF: 216699.7/20

asym_left_dd_correction_mean vs Slug



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

Left Out: 519.896+/-626.676 χ^2/NDF : 0.3/1

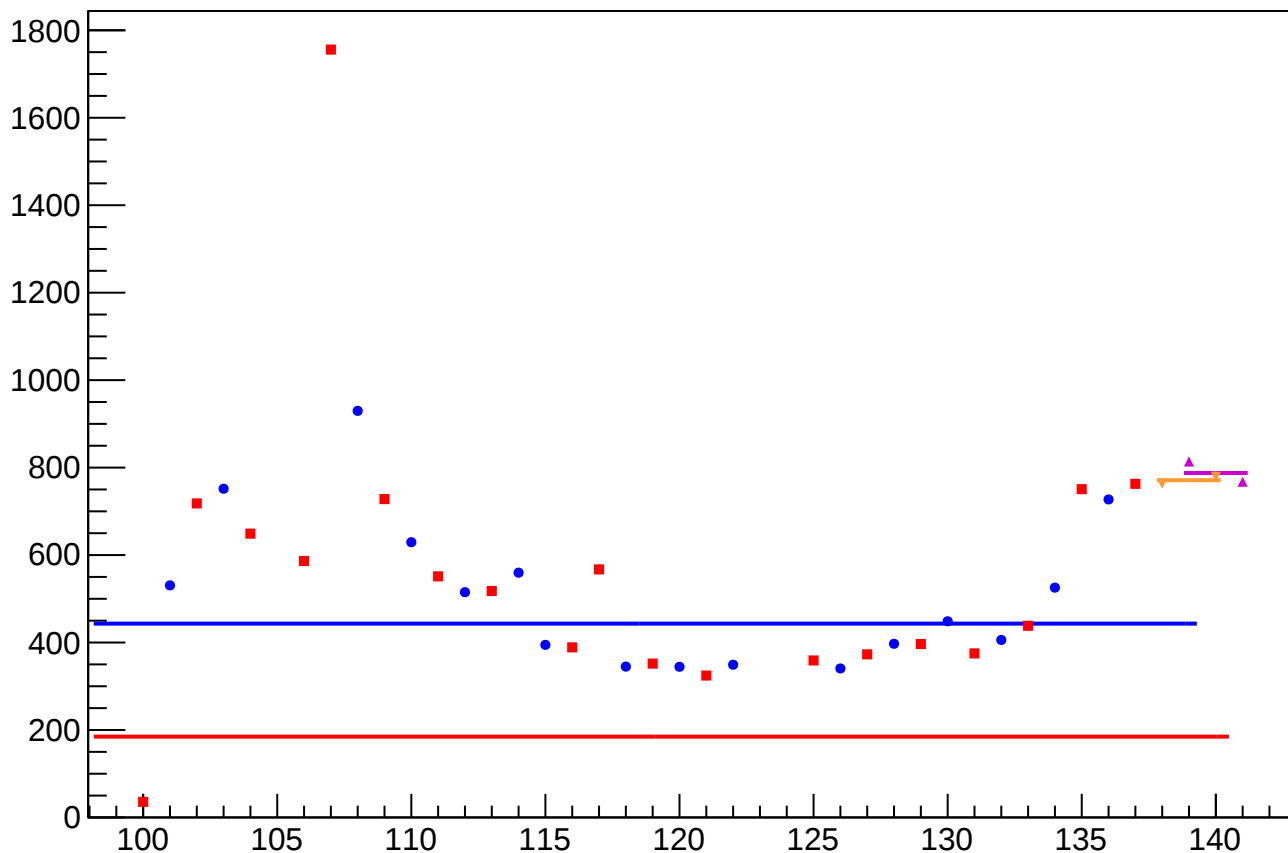
Right Out: 103.328+/-107.623 χ^2/NDF : 23.3/18

Left In: -4.129+/-632.114 χ^2/NDF : 0.2/1

-100.297+/-172.997 χ^2/NDF : 23.6/17

100.301+/-106.096 χ^2/NDF : 23.6/20

asym_left_dd_correction_rms vs Slug



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

Left Out: 771.185+/-0.443 χ^2/NDF :322.9/1

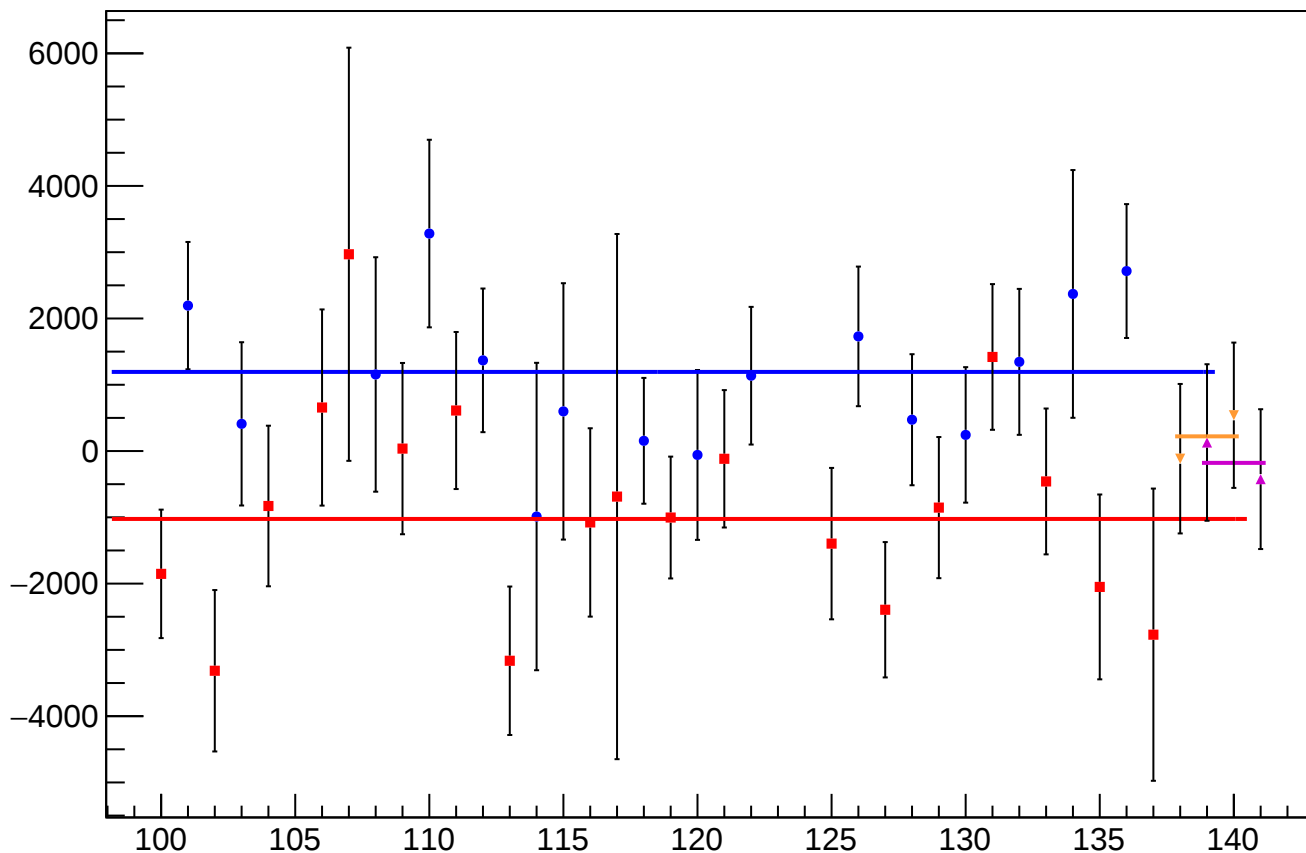
Right Out: 184.814+/-0.076 χ^2/NDF : 8119311.6/18

Left In: 787.739+/-0.447 χ^2/NDF :2625.4/1

468.232+/-0.122 χ^2/NDF : 1567073.1/17

201.799+/-0.075 χ^2/NDF : 9890230.1/20

asym_left_dd_mean vs Slug



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

Left Out: 221.690 $\pm$ 785.946 χ^2 /NDF: 0.2/1

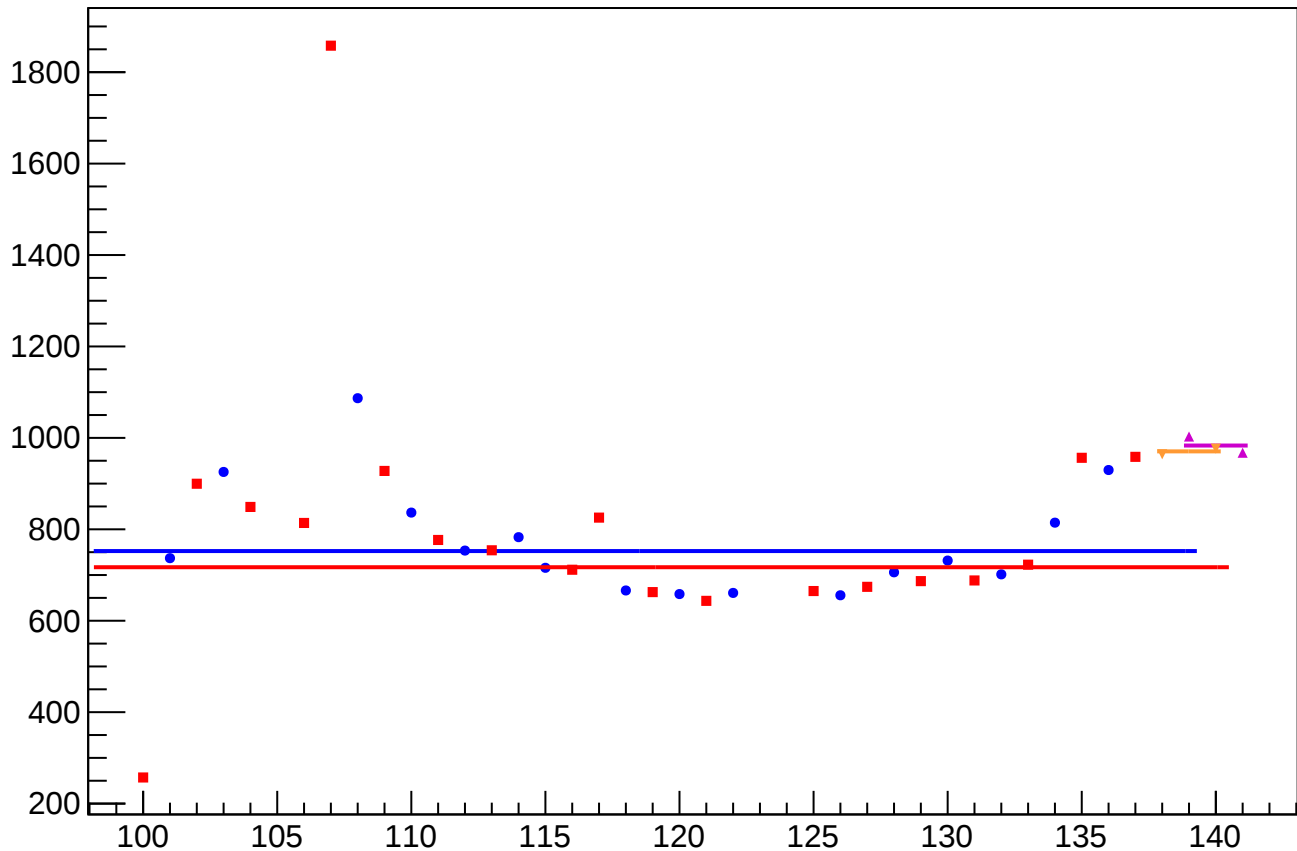
Right Out: -1024.435 $\pm$ 280.119 χ^2 /NDF: 22.5/18

Left In: -178.551 $\pm$ 786.656 χ^2 /NDF: 0.1/1

1073.768 $\pm$ 276.223 χ^2 /NDF: 12.7/17

-929.247 $\pm$ 263.888 χ^2 /NDF: 23.7/20

asym_left_dd_rms vs Slug



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

Left Out: 970.490+/-0.556 χ^2/NDF :124.5/1

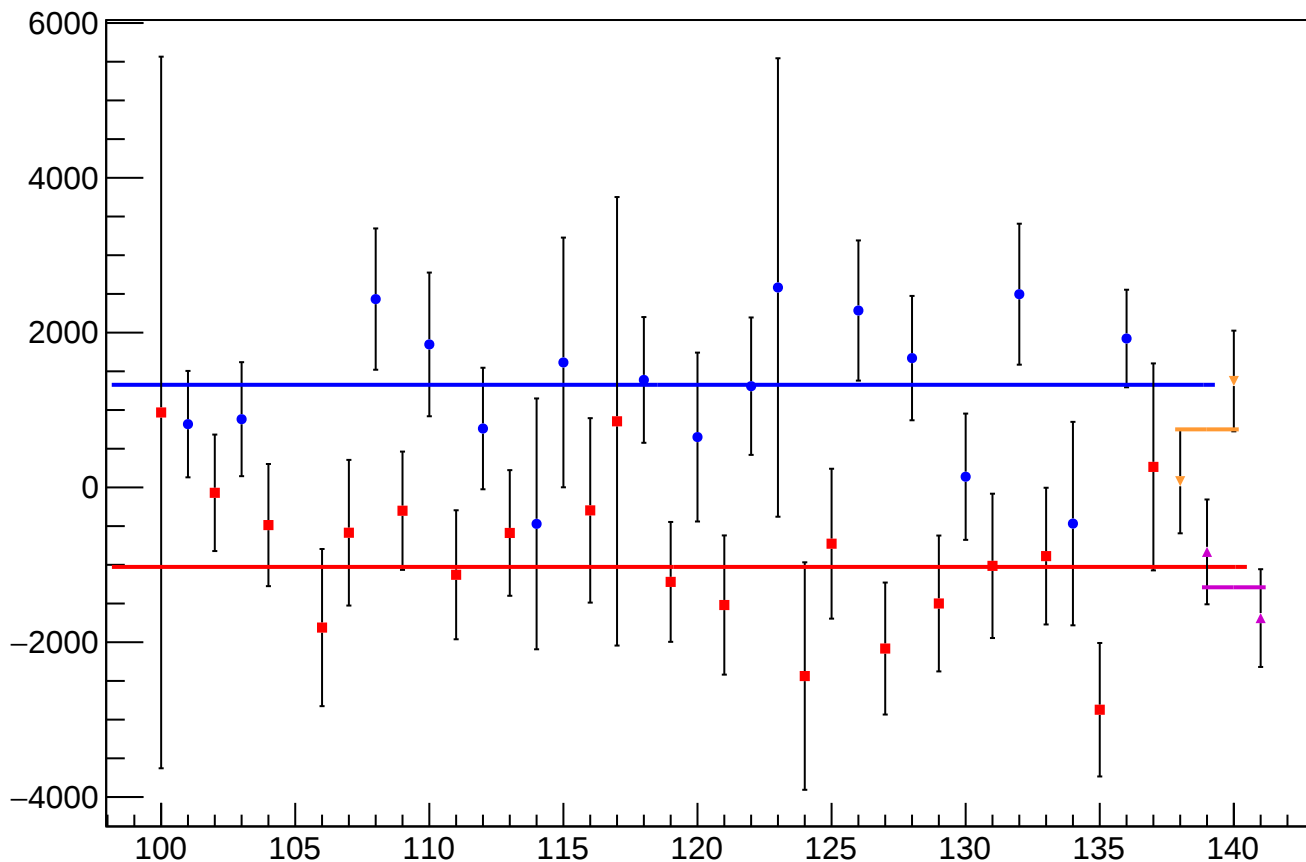
Right Out: 717.067+/-0.198 χ^2/NDF : 968442.7/18

Left In: 983.263+/-0.556 χ^2/NDF :1002.3/1

779.363+/-0.195 χ^2/NDF : 387770.8/17

747.022+/-0.187 χ^2/NDF : 1172688.3/20

reg_asym_right_avg_mean vs Slug



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

Left Out: 750.014+/-467.820 χ^2/NDF : 1.9/1

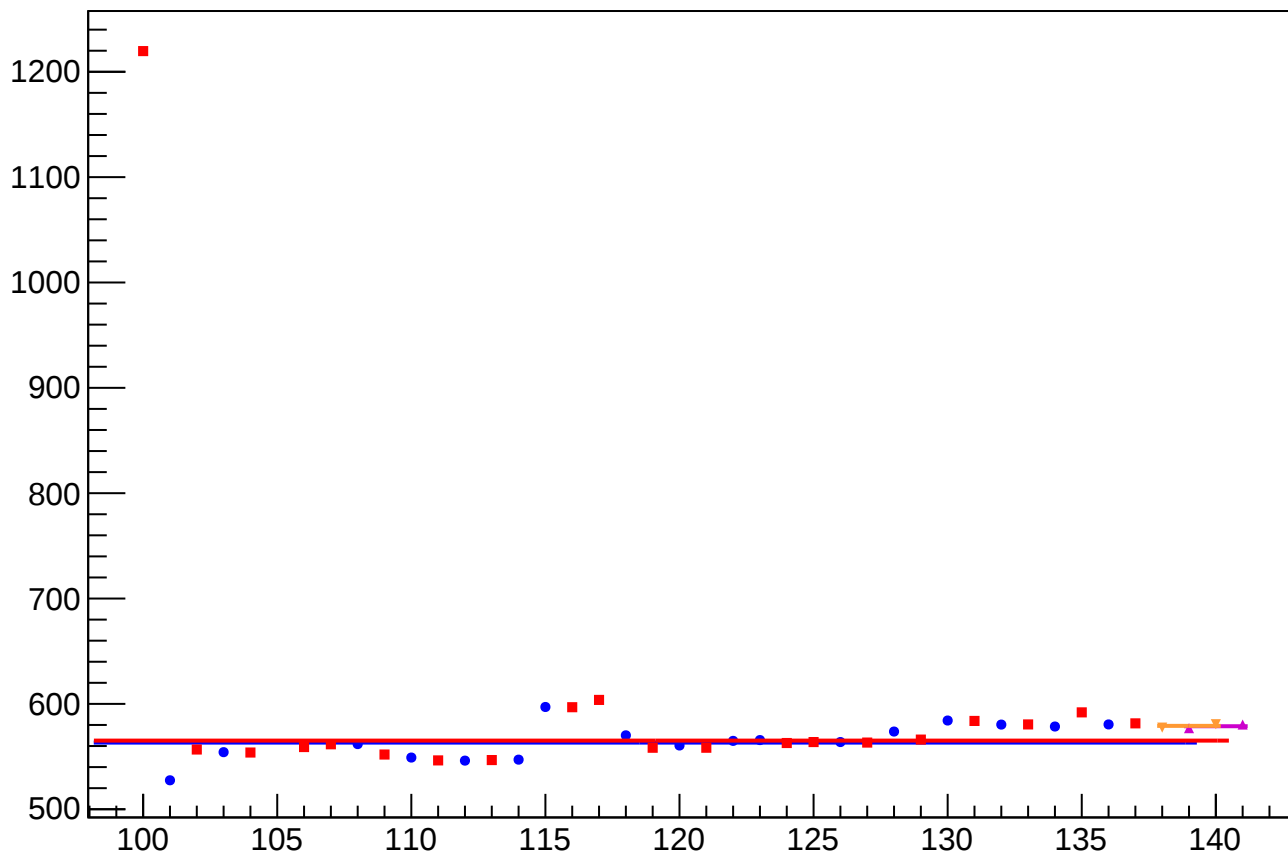
Right Out: -1026.996+/-211.021 χ^2/NDF : 13.8/19

Left In: -1290.273+/-461.832 χ^2/NDF : 0.9/1

1222.974+/-197.678 χ^2/NDF : 16.0/18

-1072.469+/-191.934 χ^2/NDF : 15.0/21

reg_asym_right_avg_rms vs Slug



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

Left Out: 579.138+/-0.331 χ^2/NDF : 23.6/1

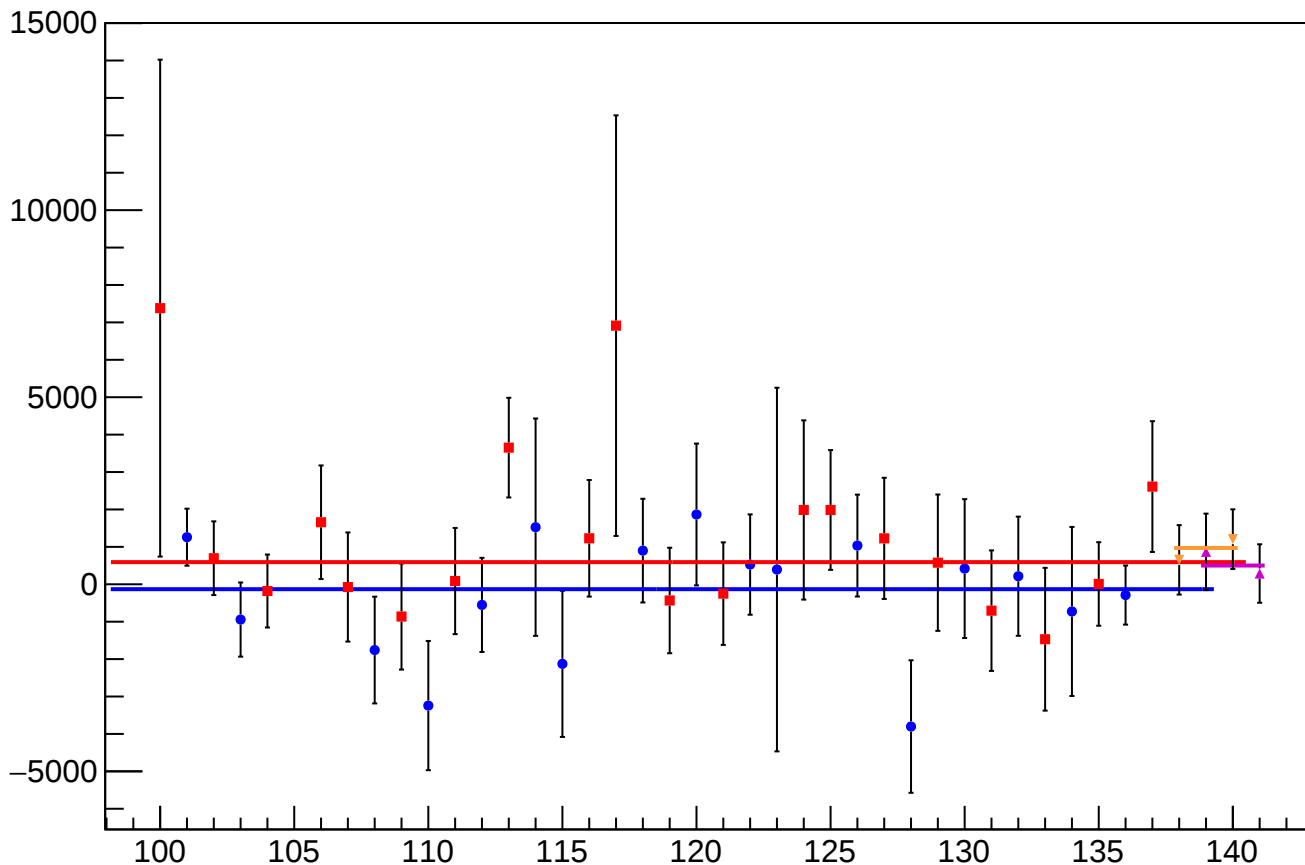
Right Out: 565.150+/-0.149 χ^2/NDF : 49653.1/19

Left In: 578.793+/-0.327 χ^2/NDF : 27.6/1

566.100+/-0.140 χ^2/NDF : 14435.1/18

567.506+/-0.136 χ^2/NDF : 51124.7/21

asym_right_avg_correction_mean vs Slug



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

Left Out: 971.547 ± 604.658 χ^2/NDF : 0.2/1

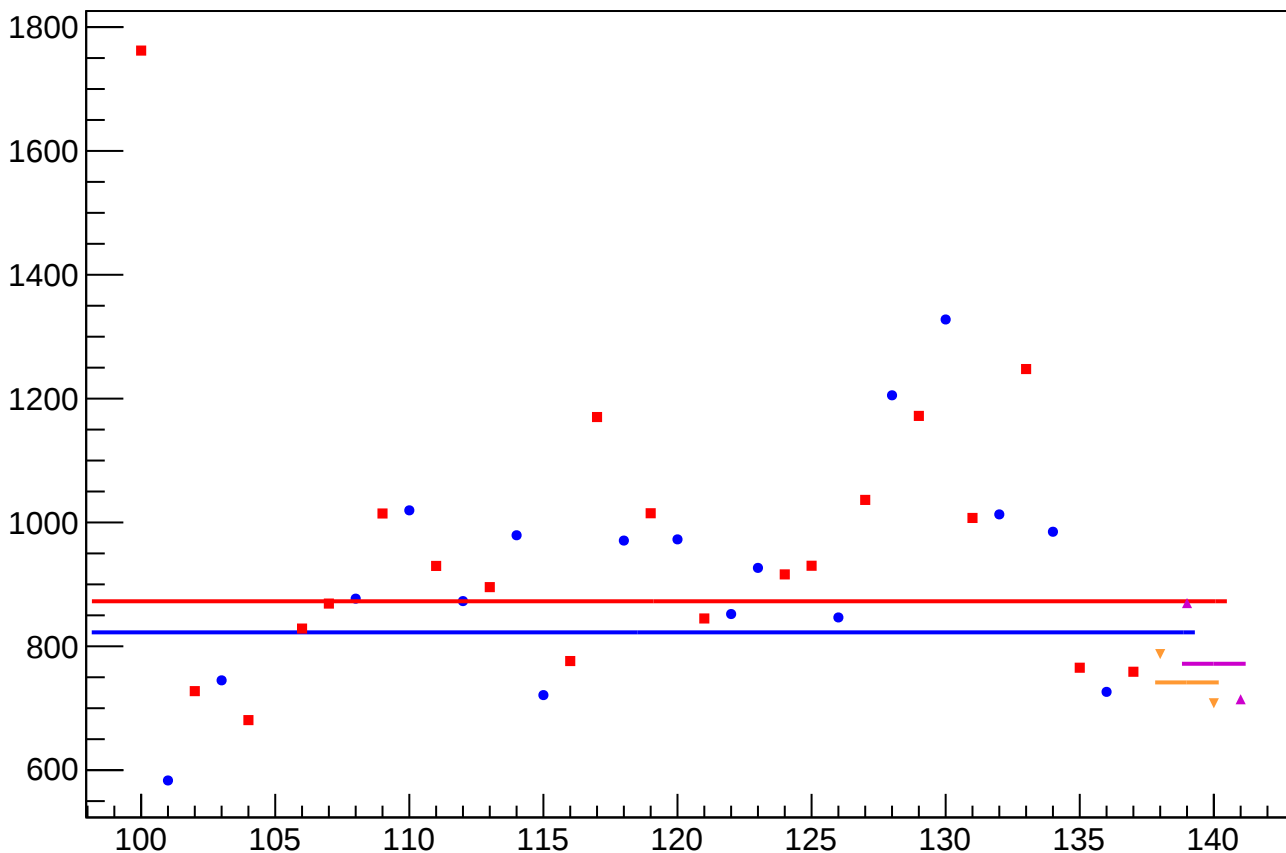
Right Out: 591.948 ± 331.825 χ^2/NDF : 15.9/19

Left In: 501.133 ± 620.650 χ^2/NDF : 0.2/1

119.109 ± 288.032 χ^2/NDF : 20.0/18

571.760 ± 292.627 χ^2/NDF : 16.1/21

asym_right_avg_correction_rms vs Slug



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

Left Out: 741.684+/-0.428 χ^2/NDF : 8431.1/1

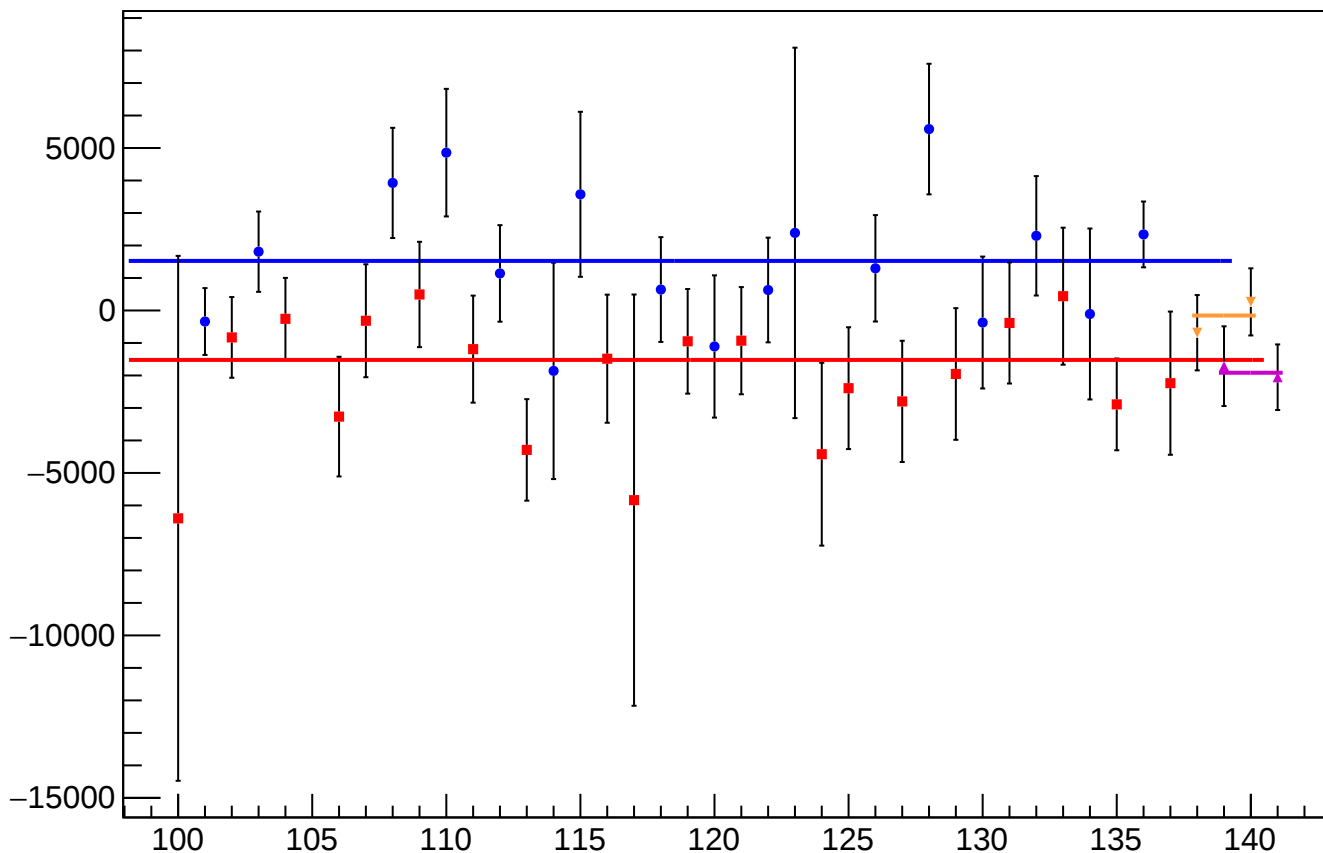
Right Out: 872.719+/-0.235 χ^2/NDF : 412481.2/19

Left In: 771.800+/-0.439 χ^2/NDF : 29166.6/1

804.182+/-0.204 χ^2/NDF : 637026.1/18

850.285+/-0.207 χ^2/NDF : 482771.7/21

asym_right_avg_mean vs Slug



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

Left Out: -155.592 $\pm$ 771.122 χ^2 /NDF:0.4/1

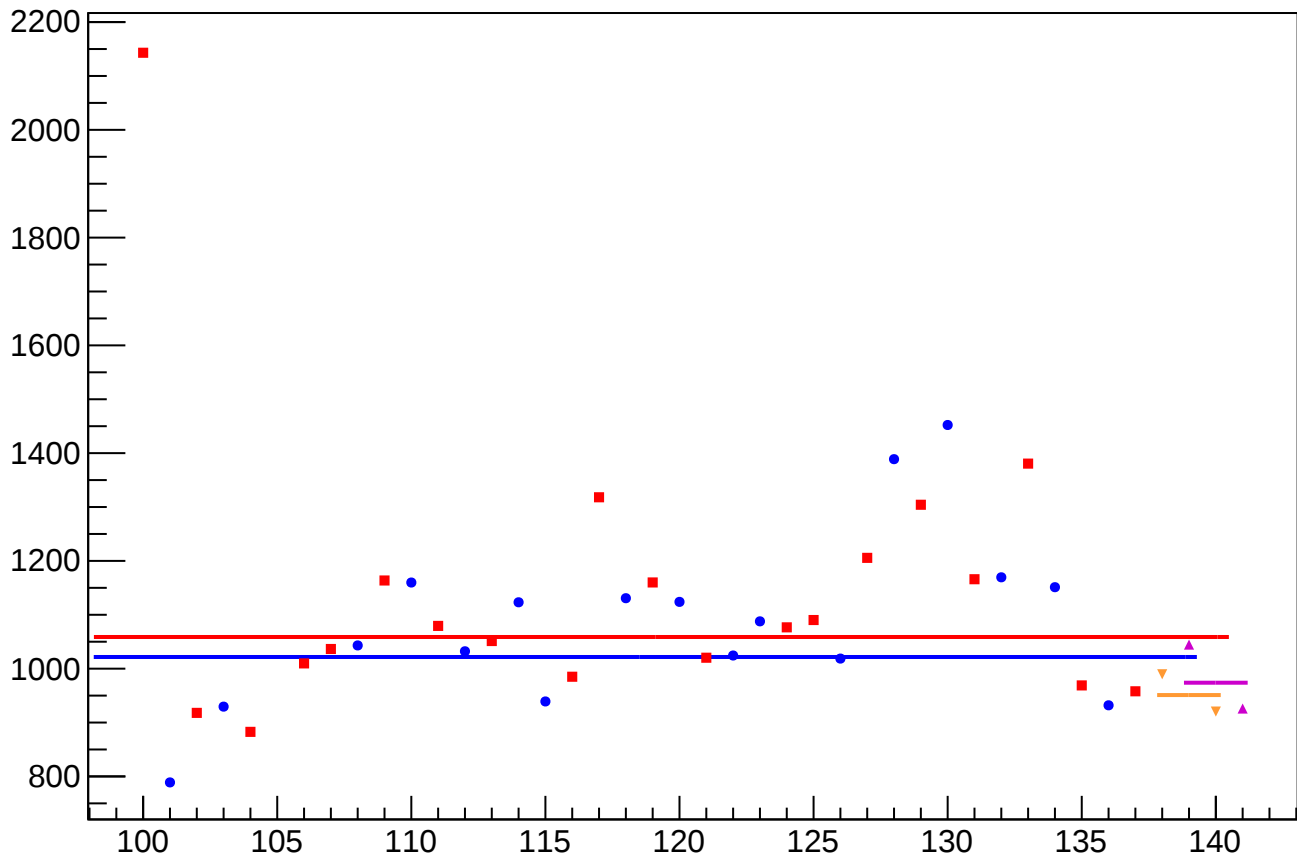
Right Out: -1521.641 $\pm$ 399.157 χ^2 /NDF: 12.6/19

Left In: -1916.707 $\pm$ 779.444 χ^2 /NDF:0.0/1

1166.538 $\pm$ 356.318 χ^2 /NDF: 22.3/18

-1603.722 $\pm$ 355.280 χ^2 /NDF: 12.8/21

asym_right_avg_rms vs Slug



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

Left Out: 951.011+/-0.545 χ^2/NDF : 3974.8/1

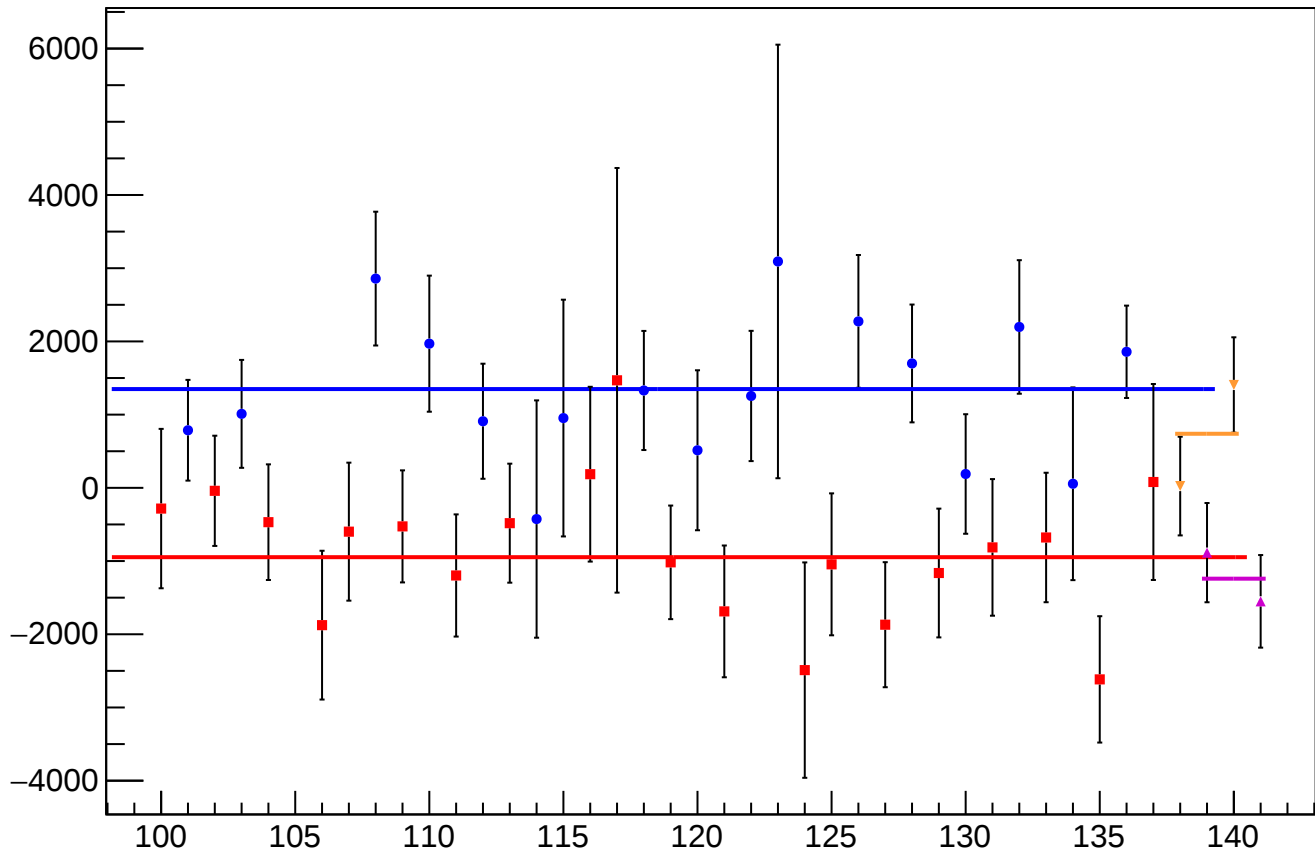
Right Out: 1058.783+/-0.282 χ^2/NDF : 234314.8/19

Left In: 973.922+/-0.551 χ^2/NDF : 11163.9/1

1006.579+/-0.252 χ^2/NDF : 349129.2/18

1041.152+/-0.251 χ^2/NDF : 264260.4/21

reg_asym_right_dd_mean vs Slug



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

Left Out: 738.590 $\pm$ 468.339 χ^2 /NDF: 2.2/1

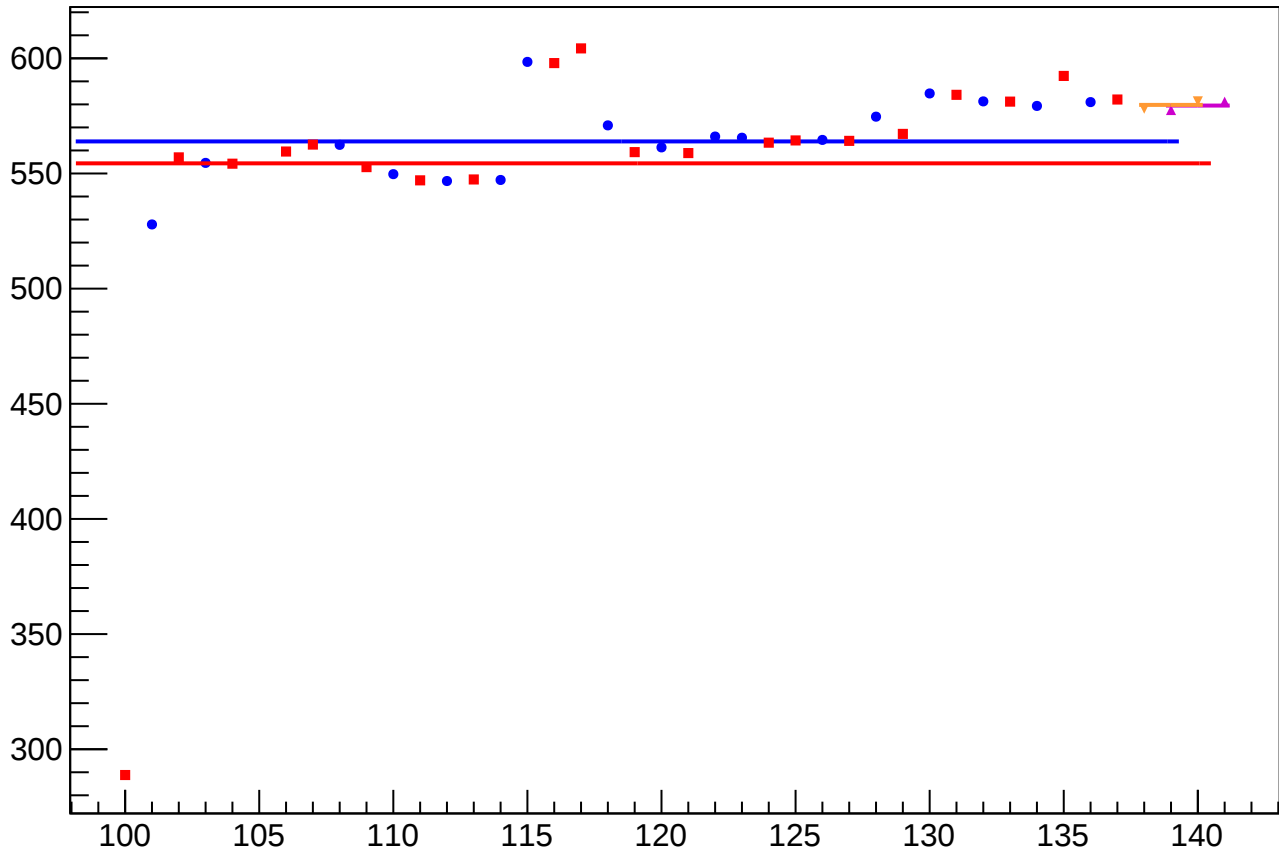
Right Out: -947.051 $\pm$ 207.609 χ^2 /NDF: 12.9/19

Left In: -1240.725 $\pm$ 462.389 χ^2 /NDF: 0.5/1

1240.128 $\pm$ 197.907 χ^2 /NDF: 15.9/18

-996.321 $\pm$ 189.394 χ^2 /NDF: 13.8/21

reg_asym_right_dd_rms vs Slug



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

Left Out: 579.780 $\pm$ 0.331 χ^2 /NDF:23.0/1

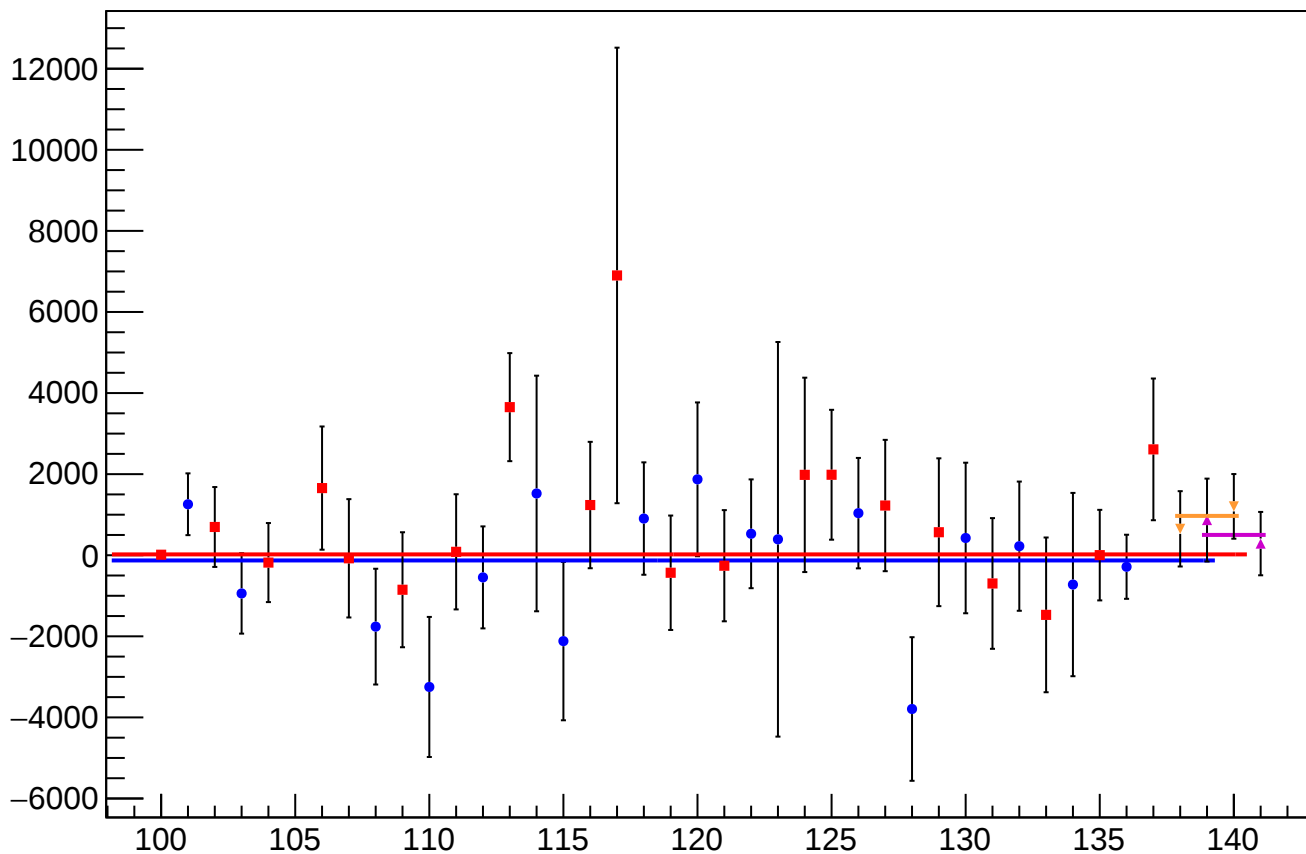
Right Out: 554.402 $\pm$ 0.147 χ^2 /NDF: 132560.6/19

Left In: 579.491 $\pm$ 0.327 χ^2 /NDF:30.4/1

566.754 $\pm$ 0.140 χ^2 /NDF: 14569.6/18

558.611 $\pm$ 0.134 χ^2 /NDF: 137491.5/21

asym_right_dd_correction_mean vs Slug



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

Left Out: 970.319+/-604.936 χ^2/NDF : 0.2/1

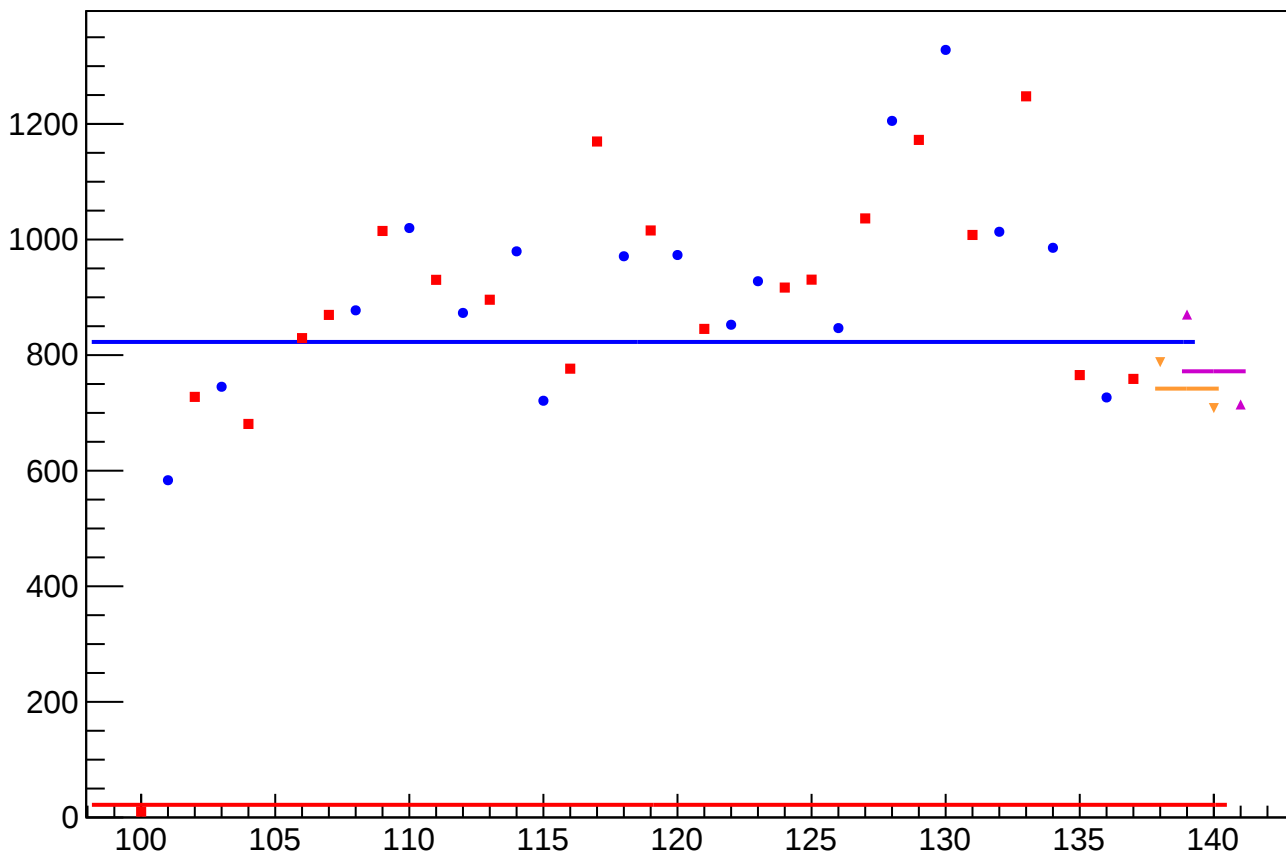
Right Out: 20.715+/-38.953 χ^2/NDF : 17.6/19

Left In: 501.071+/-620.814 χ^2/NDF : 0.2/1

120.605+/-288.130 χ^2/NDF : 20.0/18

22.598+/-38.877 χ^2/NDF : 18.4/21

asym_right_dd_correction_rms vs Slug



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

Left Out: 742.012+/-0.428 χ^2/NDF :8426.8/1

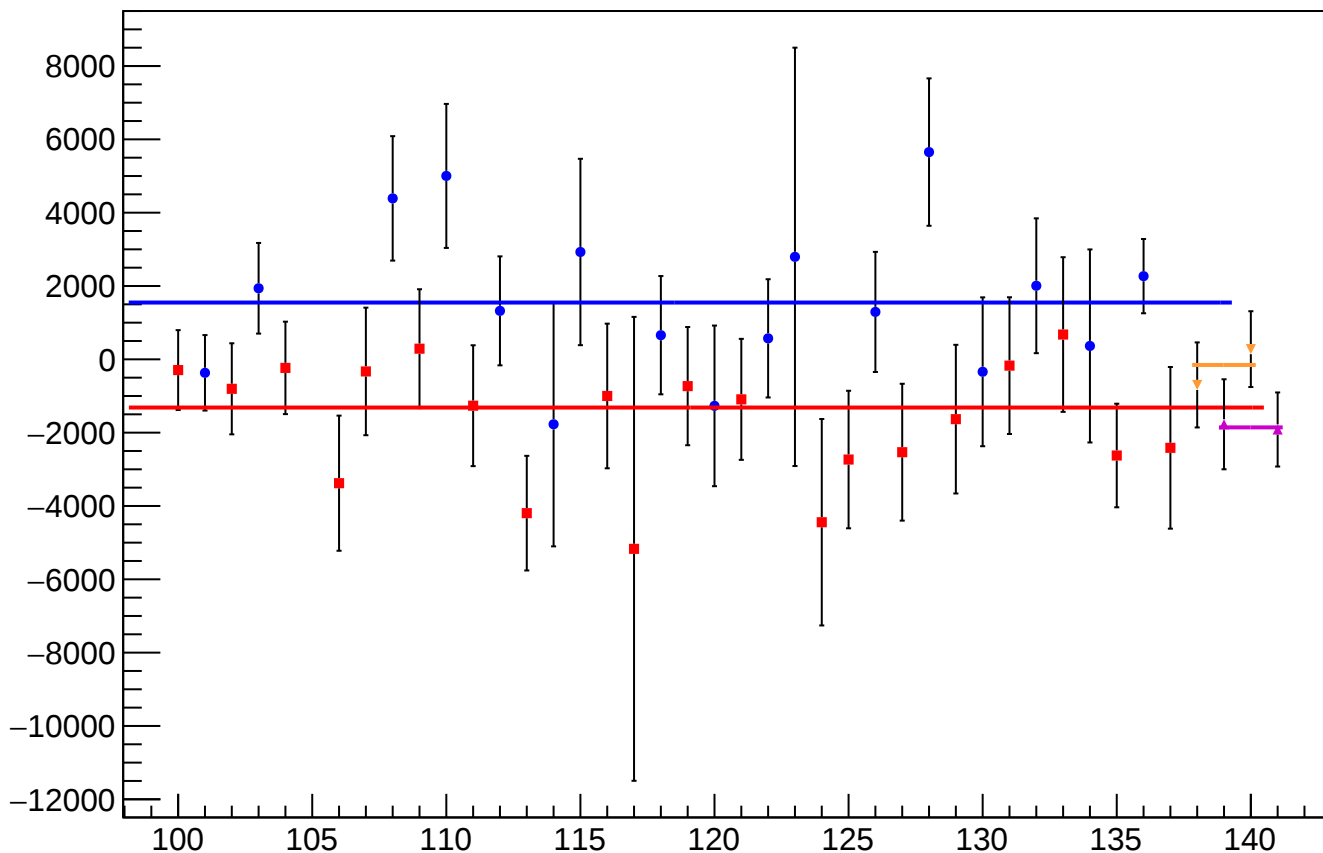
Right Out: 21.867+/-0.028 χ^2/NDF : 13607091.0/19

Left In: 771.984+/-0.439 χ^2/NDF :29244.6/1

804.457+/-0.204 χ^2/NDF : 636864.8/18

24.809+/-0.027 χ^2/NDF : 16544761.9/21

asym_right_dd_mean vs Slug



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

Left Out: -153.787 $\pm$ 771.670 χ^2 /NDF:0.4/1

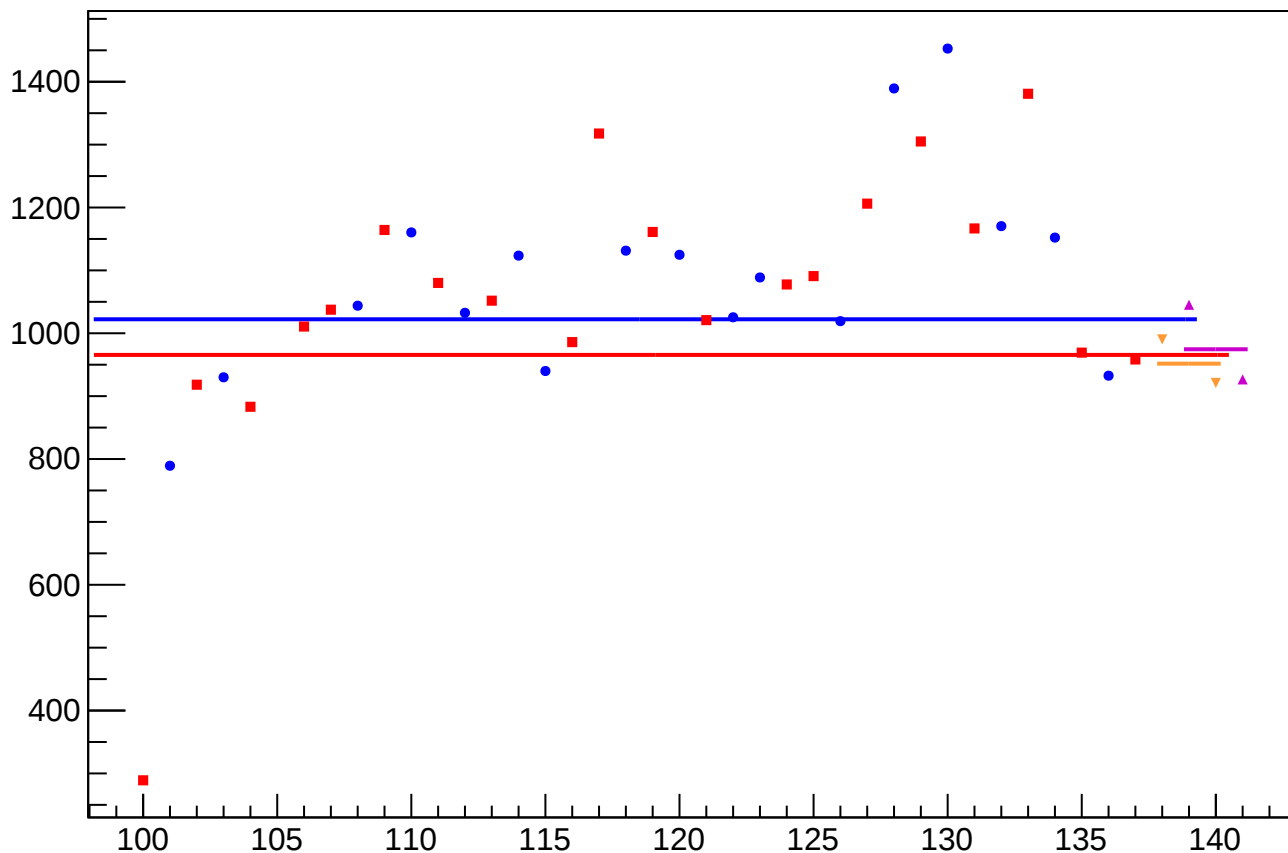
Right Out: -1314.562 $\pm$ 375.381 χ^2 /NDF: 12.9/19

Left In: -1856.438 $\pm$ 779.954 χ^2 /NDF:0.0/1

1185.416 $\pm$ 356.529 χ^2 /NDF: 23.2/18

-1416.474 $\pm$ 338.244 χ^2 /NDF: 13.3/21

asym_right_dd_rms vs Slug



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

Left Out: 951.679+/-0.546 χ^2/NDF : 3975.7/1

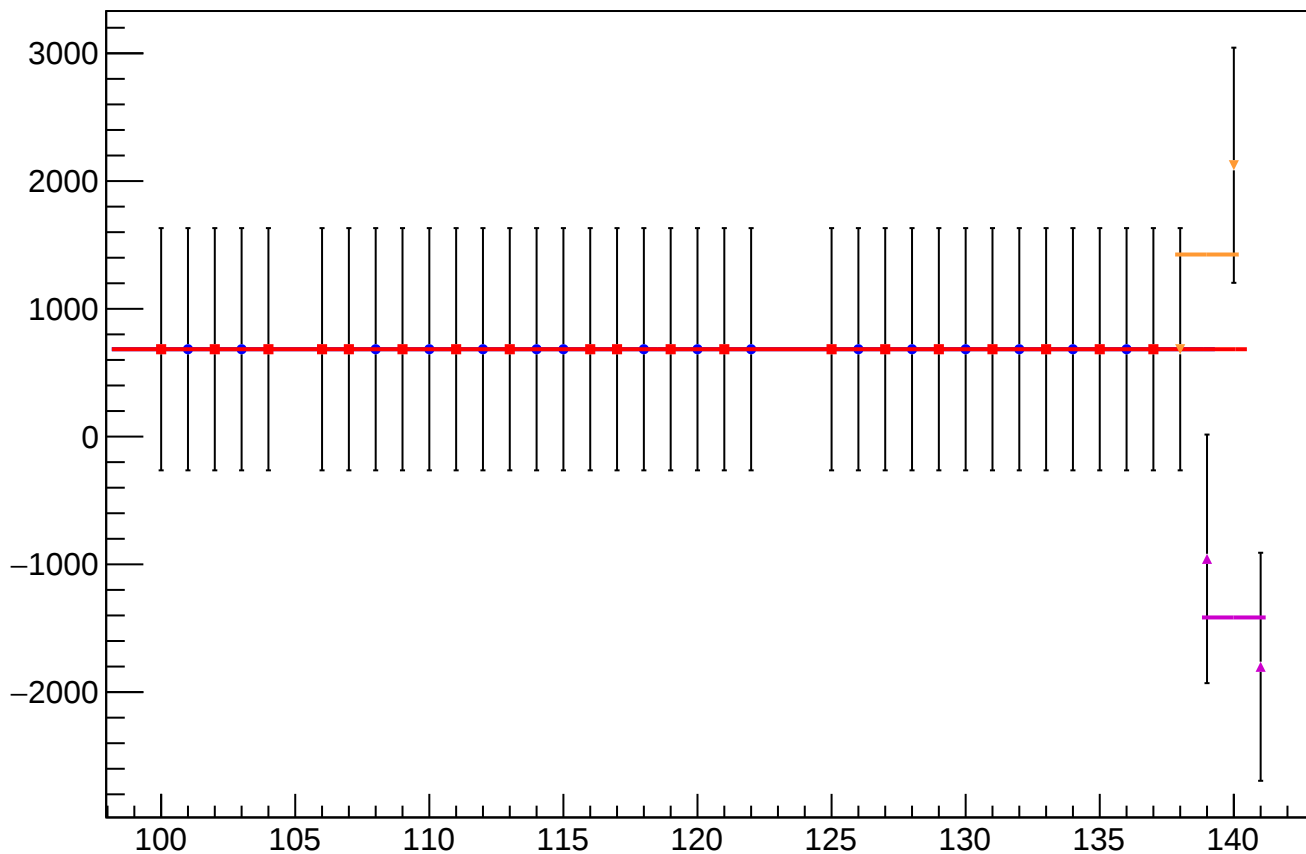
Right Out: 965.574+/-0.265 χ^2/NDF : 1073497.1/19

Left In: 974.562+/-0.552 χ^2/NDF : 11152.1/1

1007.179+/-0.252 χ^2/NDF : 348994.8/18

967.264+/-0.239 χ^2/NDF : 1084864.8/21

cor_asym_us_avg_mean vs Slug



Right In: 683.821 $\pm$ 237.011 χ^2 /NDF: 0.0/15

Left Out: 1425.195 $\pm$ 660.346 χ^2 /NDF:1.2/1

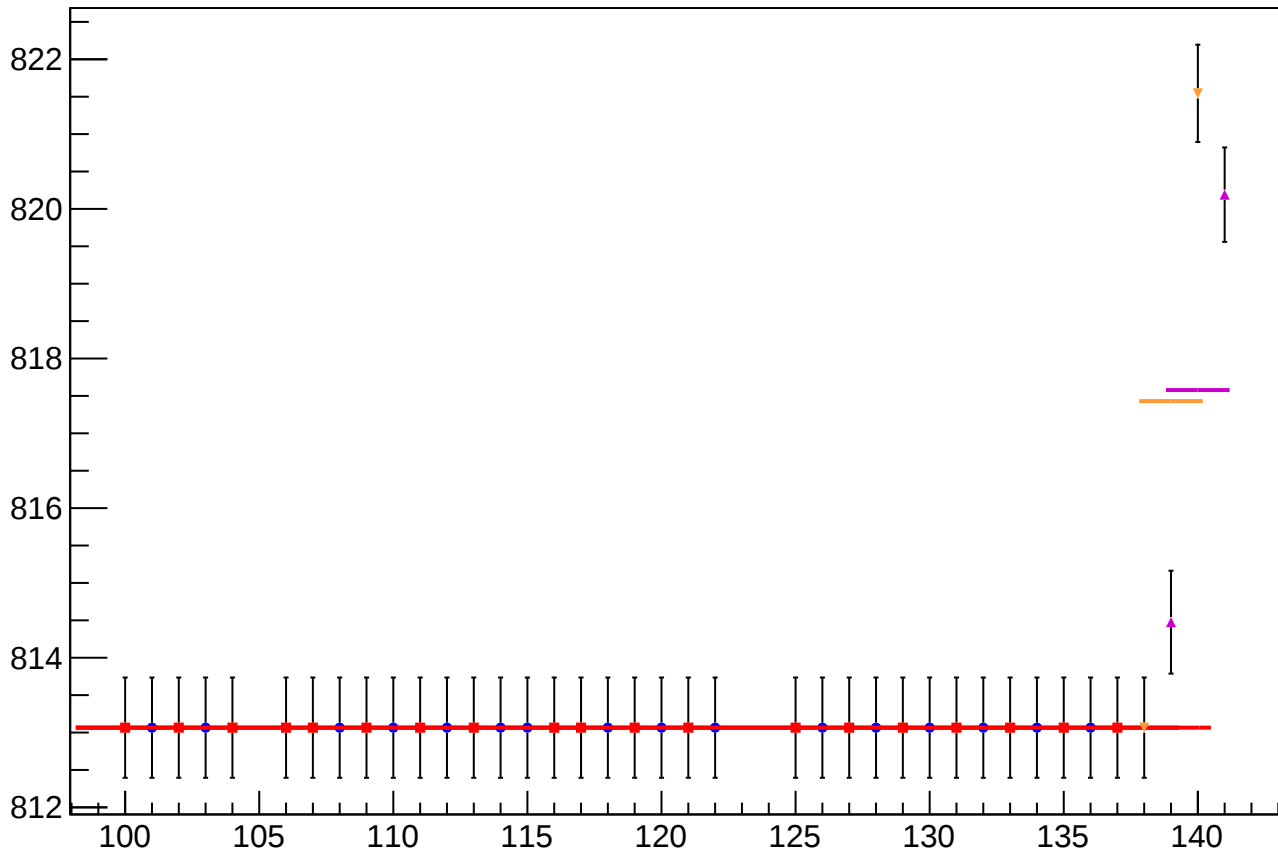
Right Out: 683.821 $\pm$ 217.496 χ^2 /NDF: 0.0/18

Left In: -1415.661 $\pm$ 657.662 χ^2 /NDF:0.4/1

768.428 $\pm$ 223.077 χ^2 /NDF: 2.3/17

476.839 $\pm$ 206.497 χ^2 /NDF: 9.6/20

cor_asym_us_avg_rms vs Slug



Right In: 813.065 $\pm$ 0.168 χ^2 /NDF: 0.0/15

Left Out: 817.431 $\pm$ 0.467 χ^2 /NDF:82.4/1

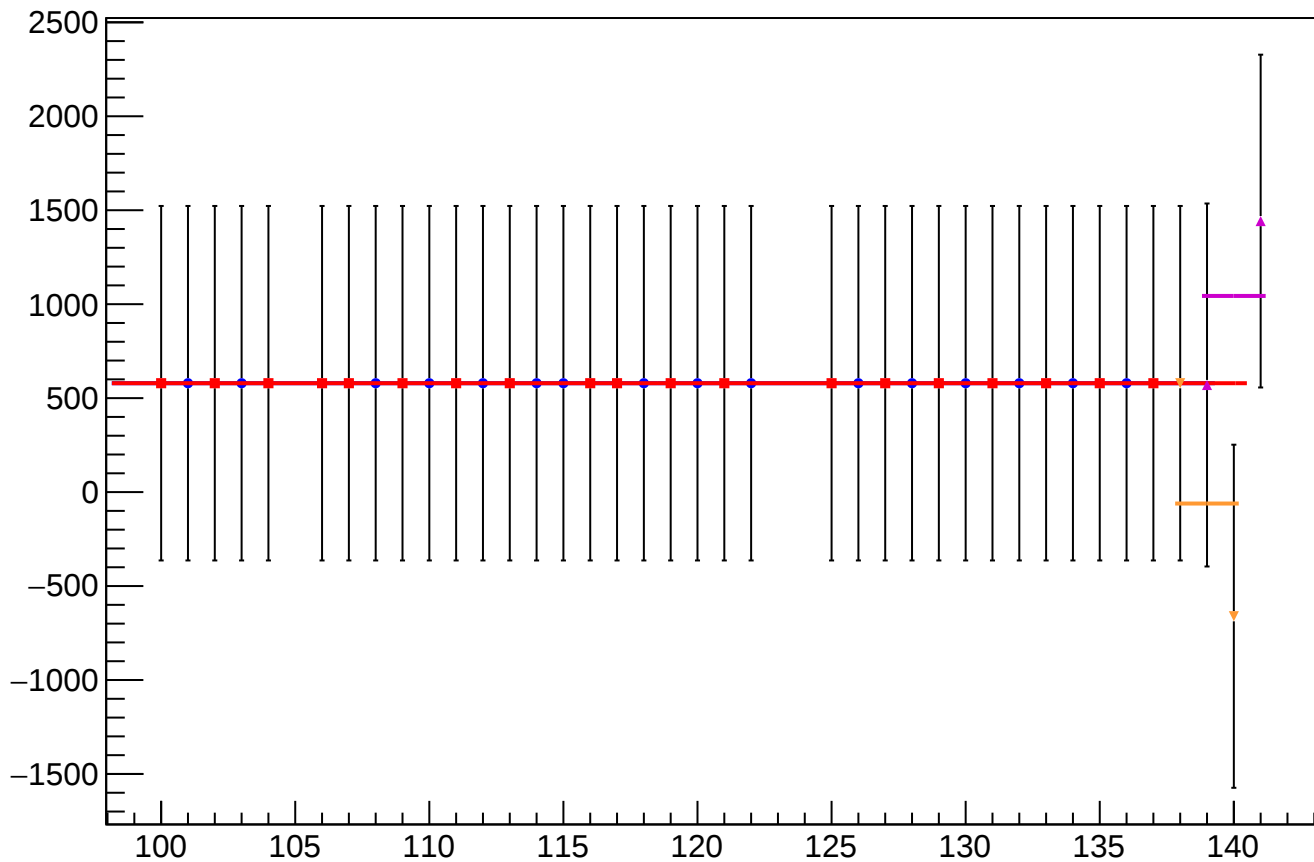
Right Out: 813.065 $\pm$ 0.154 χ^2 /NDF: 0.0/18

Left In: 817.579 $\pm$ 0.465 χ^2 /NDF:37.5/1

813.564 $\pm$ 0.158 χ^2 /NDF: 159.8/17

813.510 $\pm$ 0.146 χ^2 /NDF: 122.4/20

cor_asym_us_dd_mean vs Slug



Right In: 579.419 $\pm$ 235.812 χ^2 /NDF: 0.0/15

Left Out: -60.891 $\pm$ 655.997 χ^2 /NDF: 0.9/1

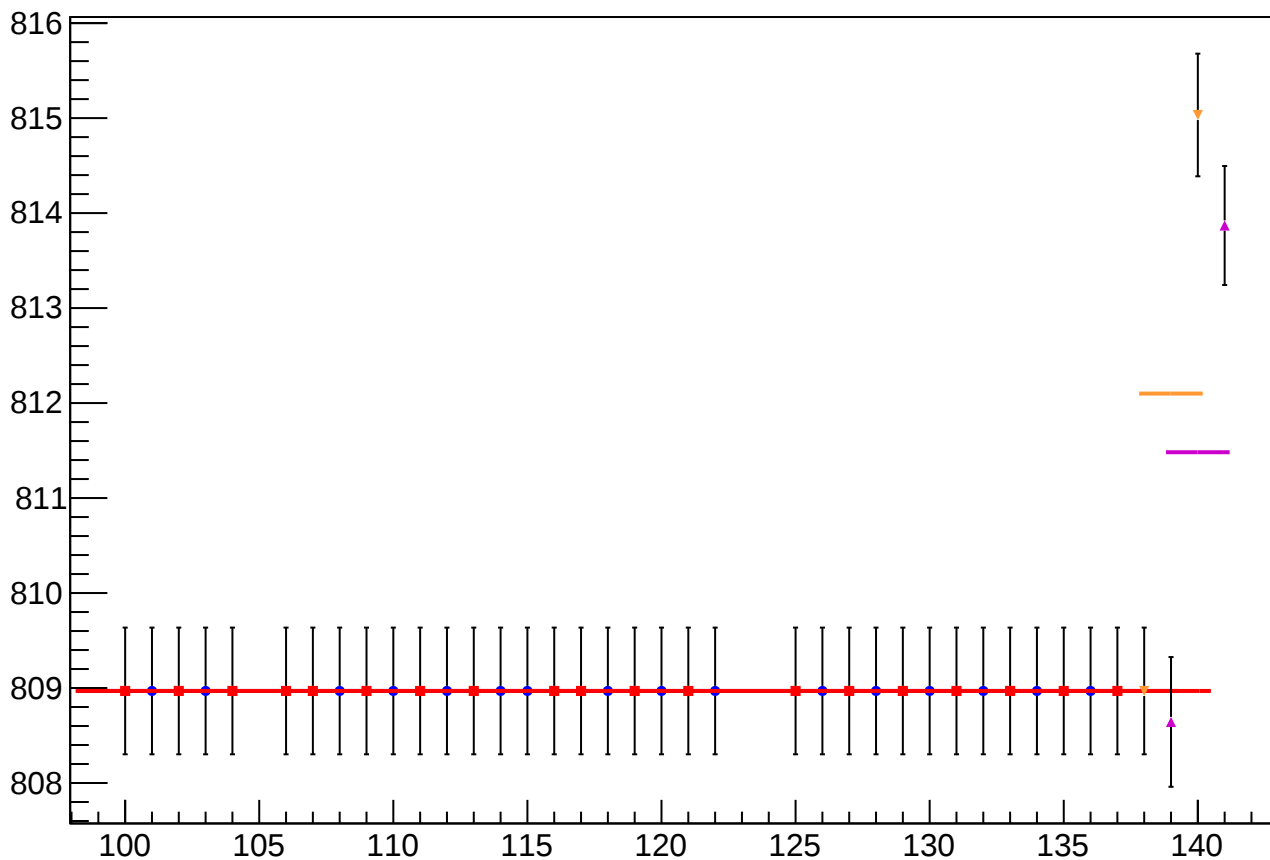
Right Out: 579.419 $\pm$ 216.396 χ^2 /NDF: 0.0/18

Left In: 1043.856 $\pm$ 652.711 χ^2 /NDF: 0.4/1

506.147 $\pm$ 221.910 χ^2 /NDF: 1.7/17

625.413 $\pm$ 205.402 χ^2 /NDF: 0.9/20

cor_asym_us_dd_rms vs Slug



Right In: 808.969 $\pm$ 0.167 χ^2 /NDF: 0.0/15

Left Out: 812.100 $\pm$ 0.464 χ^2 /NDF:42.7/1

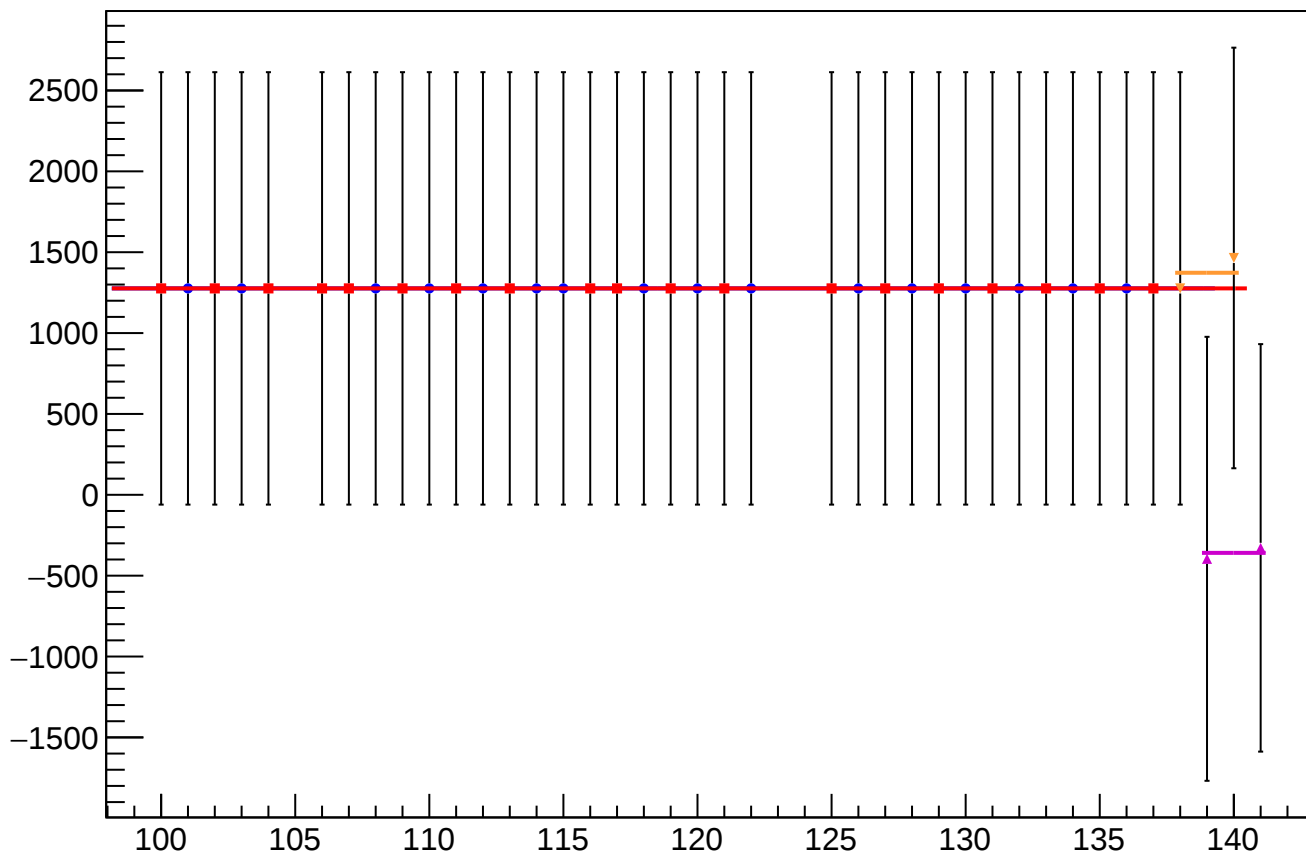
Right Out: 808.969 $\pm$ 0.153 χ^2 /NDF: 0.0/18

Left In: 811.482 $\pm$ 0.462 χ^2 /NDF:31.8/1

809.327 $\pm$ 0.157 χ^2 /NDF: 83.0/17

809.218 $\pm$ 0.145 χ^2 /NDF: 58.5/20

cor_asym_usl_mean vs Slug



Right In: 1276.244+/-334.229 χ^2/NDF : 0.0/15

Left Out: 1372.920+/-932.134 χ^2/NDF : 0.0/1

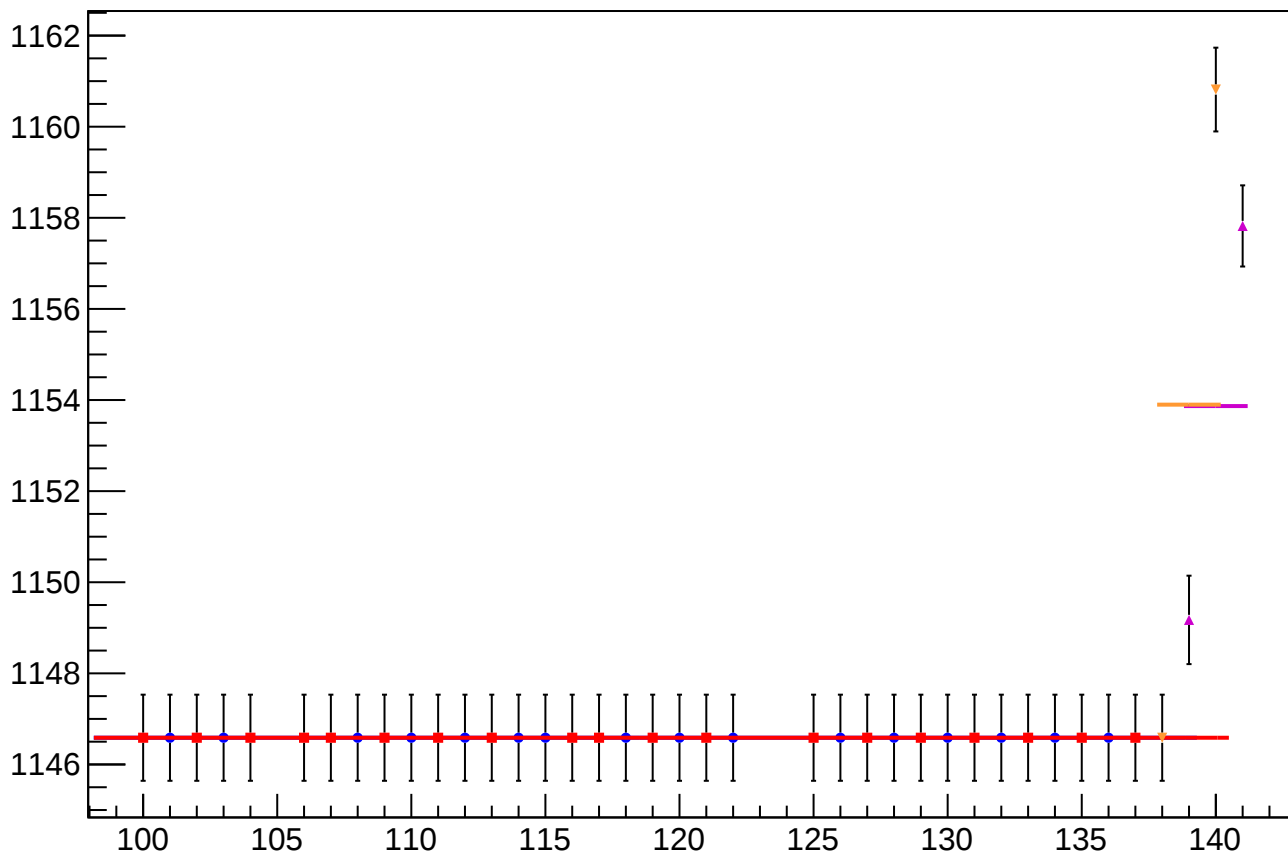
Right Out: 1276.244+/-306.710 χ^2/NDF : 0.0/18

Left In: -359.063+/-928.133 χ^2/NDF : 0.0/1

1287.257+/-314.616 χ^2/NDF : 0.0/17

1115.245+/-291.221 χ^2/NDF : 2.8/20

cor_asym_usl_rms vs Slug



Right In: 1146.587 $\pm$ 0.236 χ^2 /NDF: 0.0/15

Left Out: 1153.898 $\pm$ 0.659 χ^2 /NDF:116.4/1

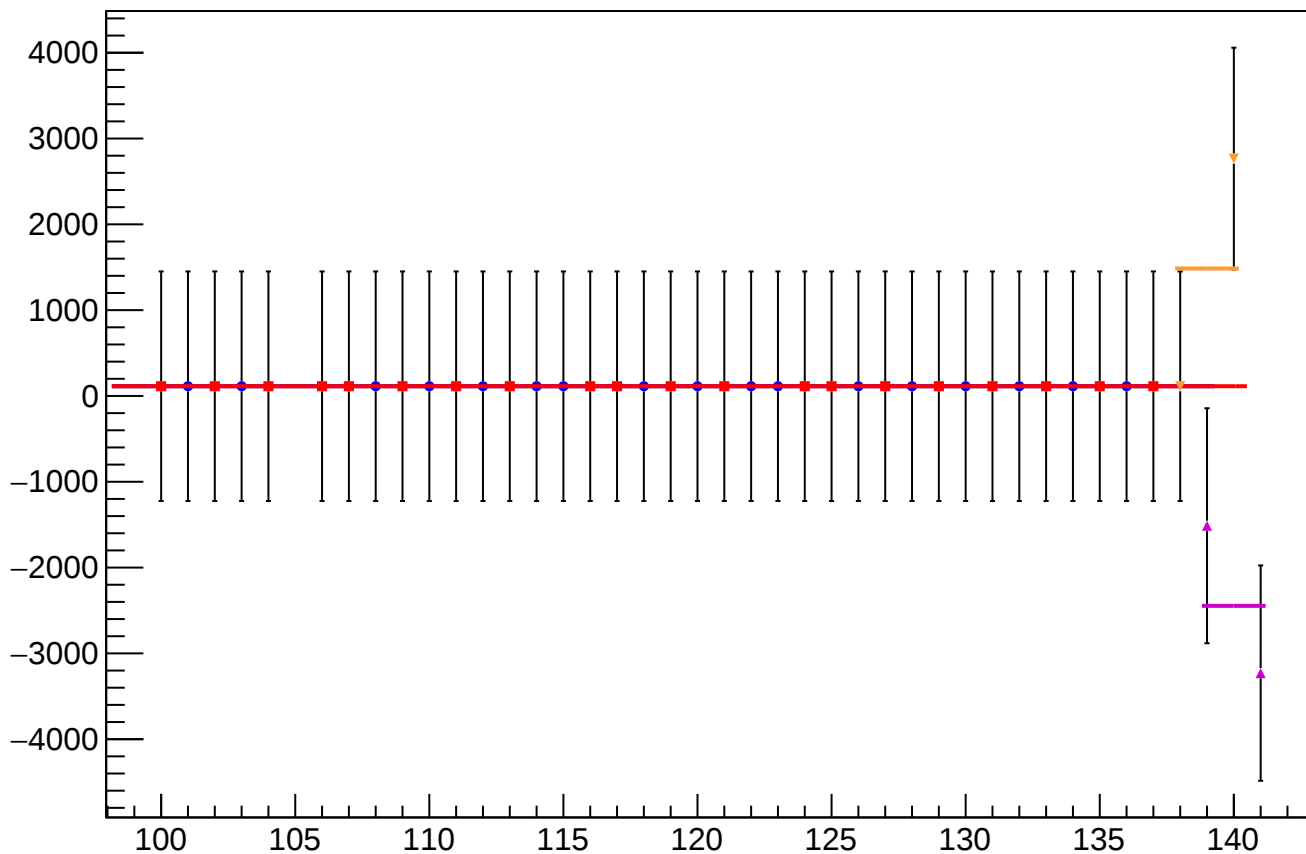
Right Out: 1146.587 $\pm$ 0.217 χ^2 /NDF: 0.0/18

Left In: 1153.867 $\pm$ 0.656 χ^2 /NDF:43.1/1

1147.420 $\pm$ 0.222 χ^2 /NDF: 225.5/17

1147.304 $\pm$ 0.206 χ^2 /NDF: 154.0/20

cor_asym_usr_mean vs Slug



Right In: 113.423+/-324.462 χ^2/NDF : 0.0/16

Left Out: 1485.668+/-929.517 χ^2/NDF : 2.0/1

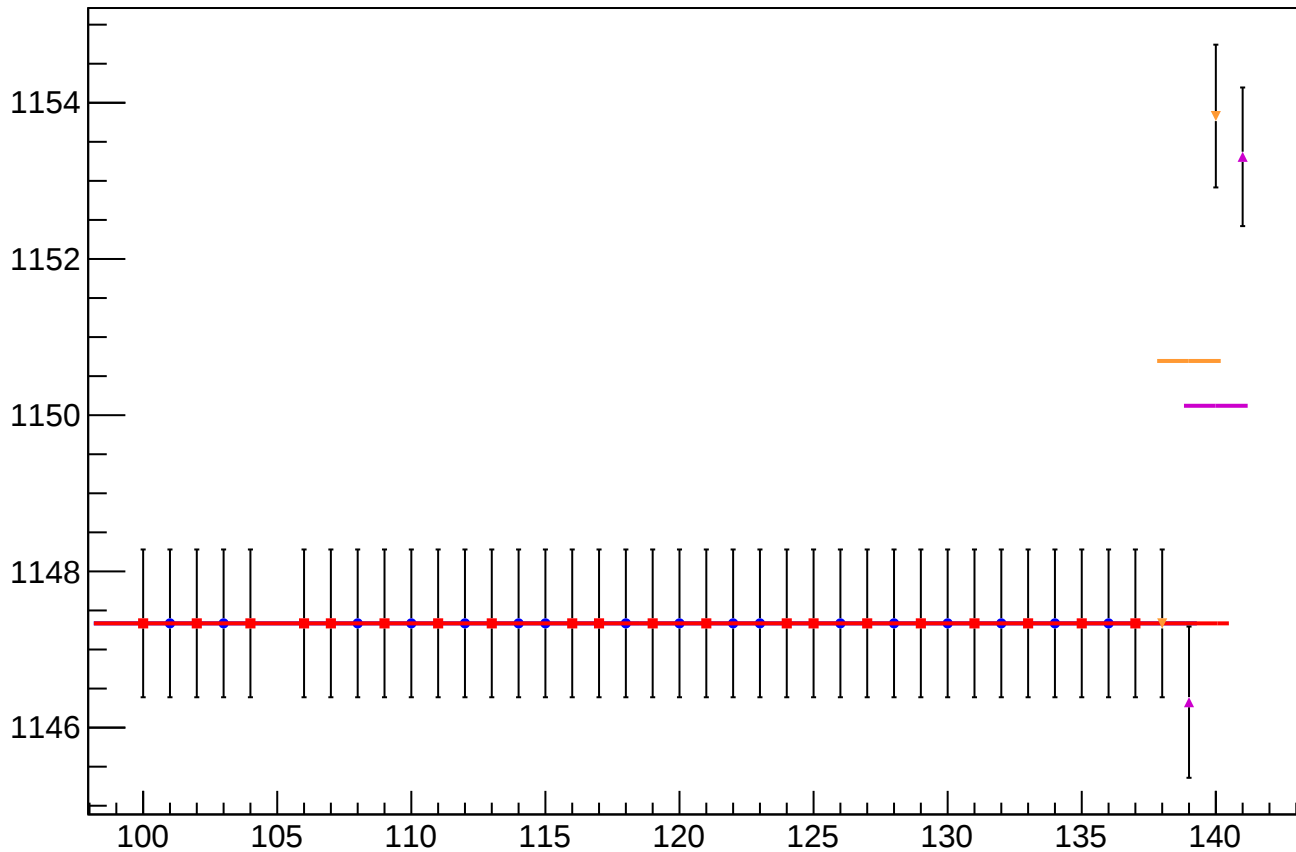
Right Out: 113.423+/-299.140 χ^2/NDF : 0.0/19

Left In: -2445.897+/-925.114 χ^2/NDF : 0.9/1

262.466+/-306.336 χ^2/NDF : 4.0/18

-128.844+/-284.629 χ^2/NDF : 7.8/21

cor_asym_usr_rms vs Slug



Right In: 1147.335 $\pm$ 0.229 χ^2 /NDF: 0.0/16

Left Out: 1150.694 $\pm$ 0.657 χ^2 /NDF: 24.4/1

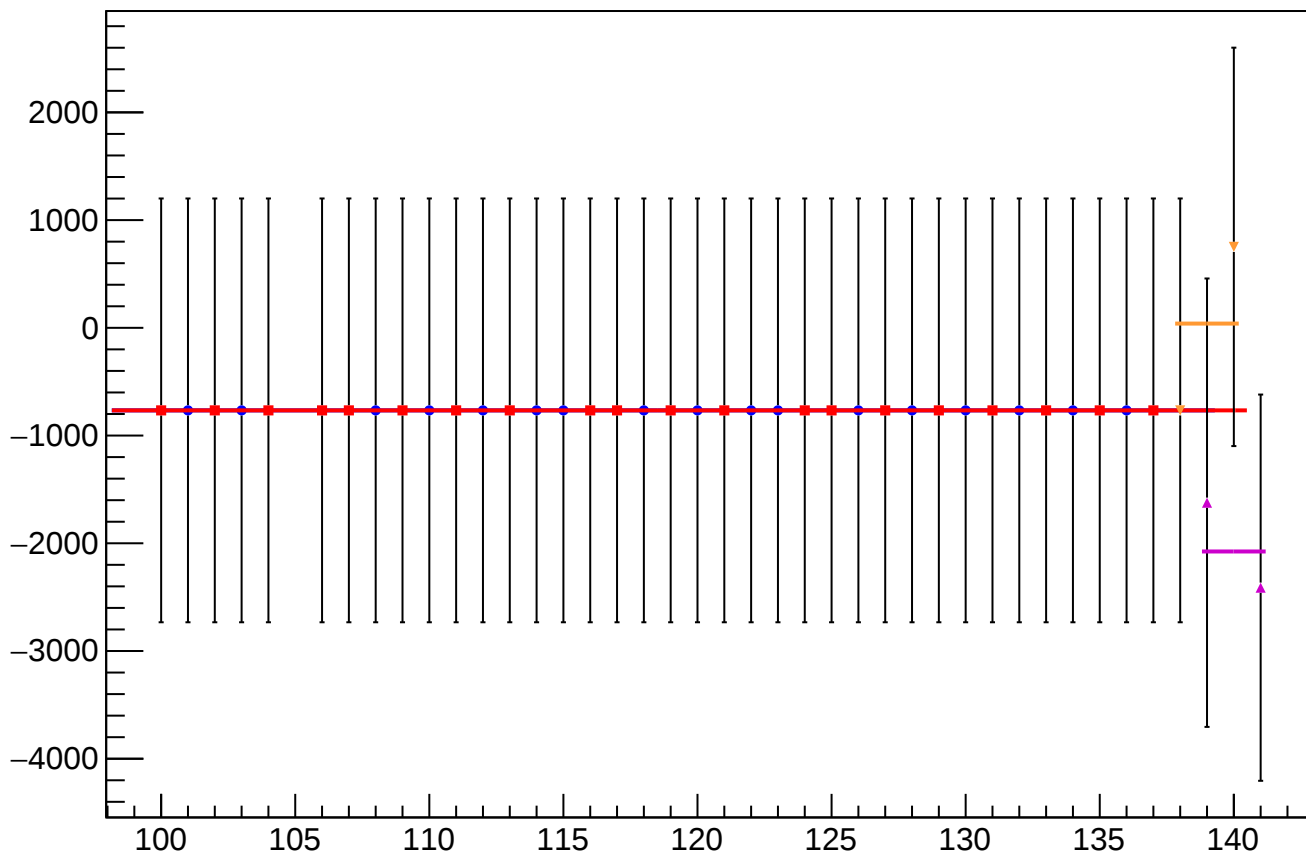
Right Out: 1147.335 $\pm$ 0.212 χ^2 /NDF: 0.0/19

Left In: 1150.120 $\pm$ 0.654 χ^2 /NDF: 28.3/1

1147.700 $\pm$ 0.217 χ^2 /NDF: 47.7/18

1147.598 $\pm$ 0.201 χ^2 /NDF: 44.7/21

asym_us_agg_avg_mean vs Slug



Right In: -766.254+/-477.068 χ^2/NDF : 0.0/16

Left Out: 39.432+/-1347.291 χ^2/NDF : 0.3/1

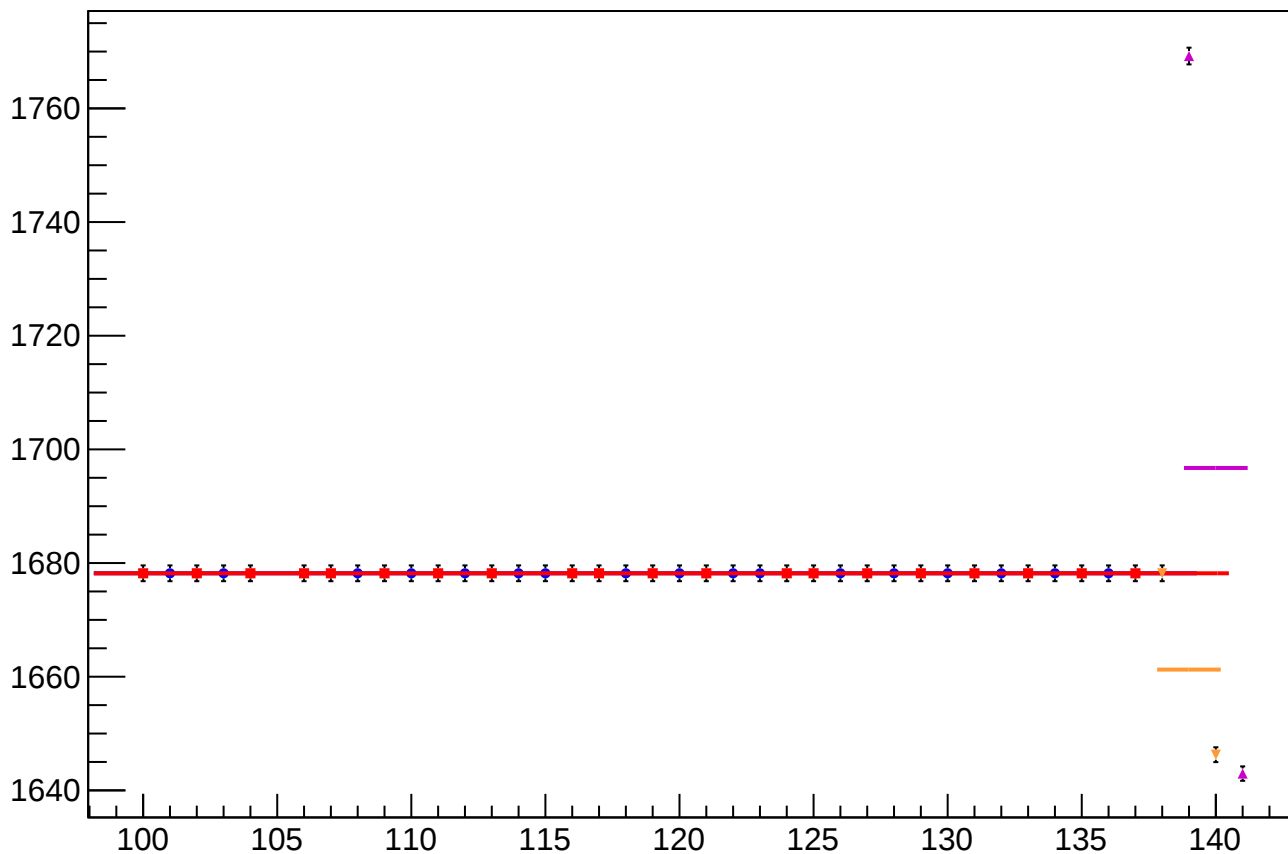
Right Out: -766.254+/-439.835 χ^2/NDF : 0.0/19

Left In: -2076.129+/-1358.304 χ^2/NDF : 0.1/1

-676.490+/-449.707 χ^2/NDF : 0.6/18

-890.565+/-418.444 χ^2/NDF : 0.9/21

asym_us_agg_avg_rms vs Slug



Right In: 1678.197+/-0.337 χ^2/NDF : 0.0/16

Left Out: 1661.252+/-0.953 χ^2/NDF :279.6/1

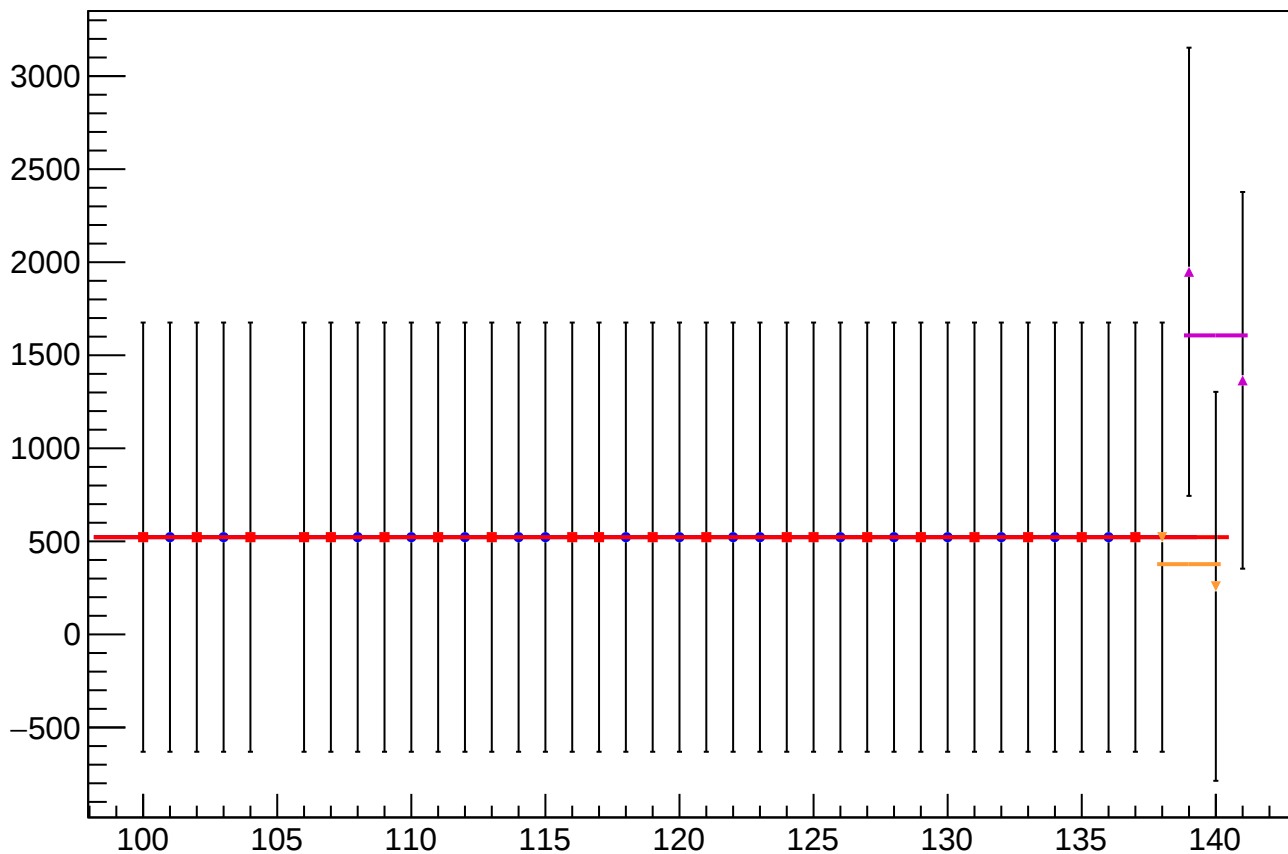
Right Out: 1678.197+/-0.311 χ^2/NDF : 0.0/19

Left In: 1696.730+/-0.960 χ^2/NDF :4225.5/1

1676.309+/-0.318 χ^2/NDF : 560.7/18

1679.955+/-0.296 χ^2/NDF : 4562.5/21

asym_us_agg_dd_mean vs Slug



Right In: 522.542+/-279.690 χ^2/NDF : 0.0/16

Left Out: 377.480+/-774.349 χ^2/NDF : 0.0/1

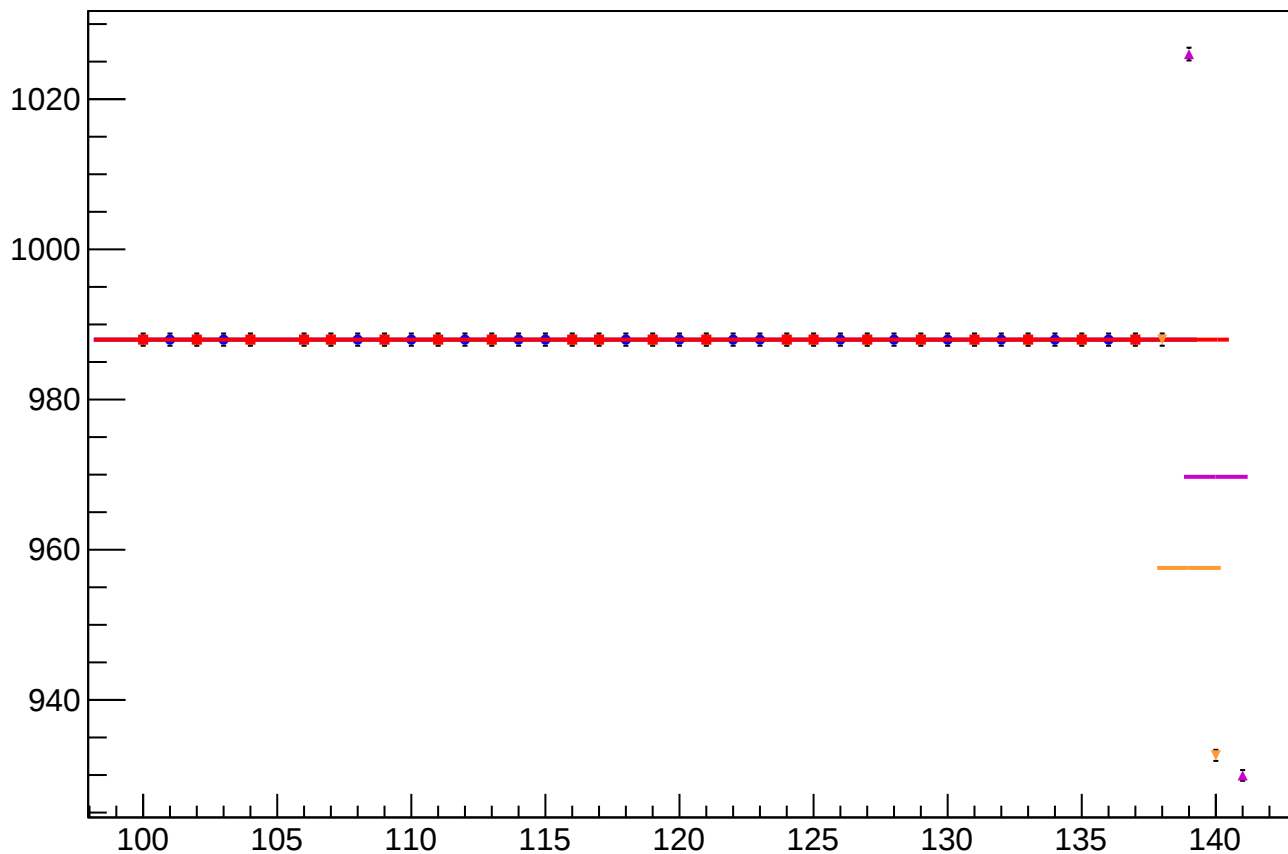
Right Out: 522.542+/-257.861 χ^2/NDF : 0.0/19

Left In: 1606.756+/-774.797 χ^2/NDF : 0.1/1

505.802+/-263.056 χ^2/NDF : 0.1/18

630.658+/-244.667 χ^2/NDF : 1.9/21

asym_us_agg_dd_rms vs Slug



Right In: 987.980 $\pm$ 0.198 χ^2 /NDF: 0.0/16

Left Out: 957.582 $\pm$ 0.548 χ^2 /NDF: 2530.8/1

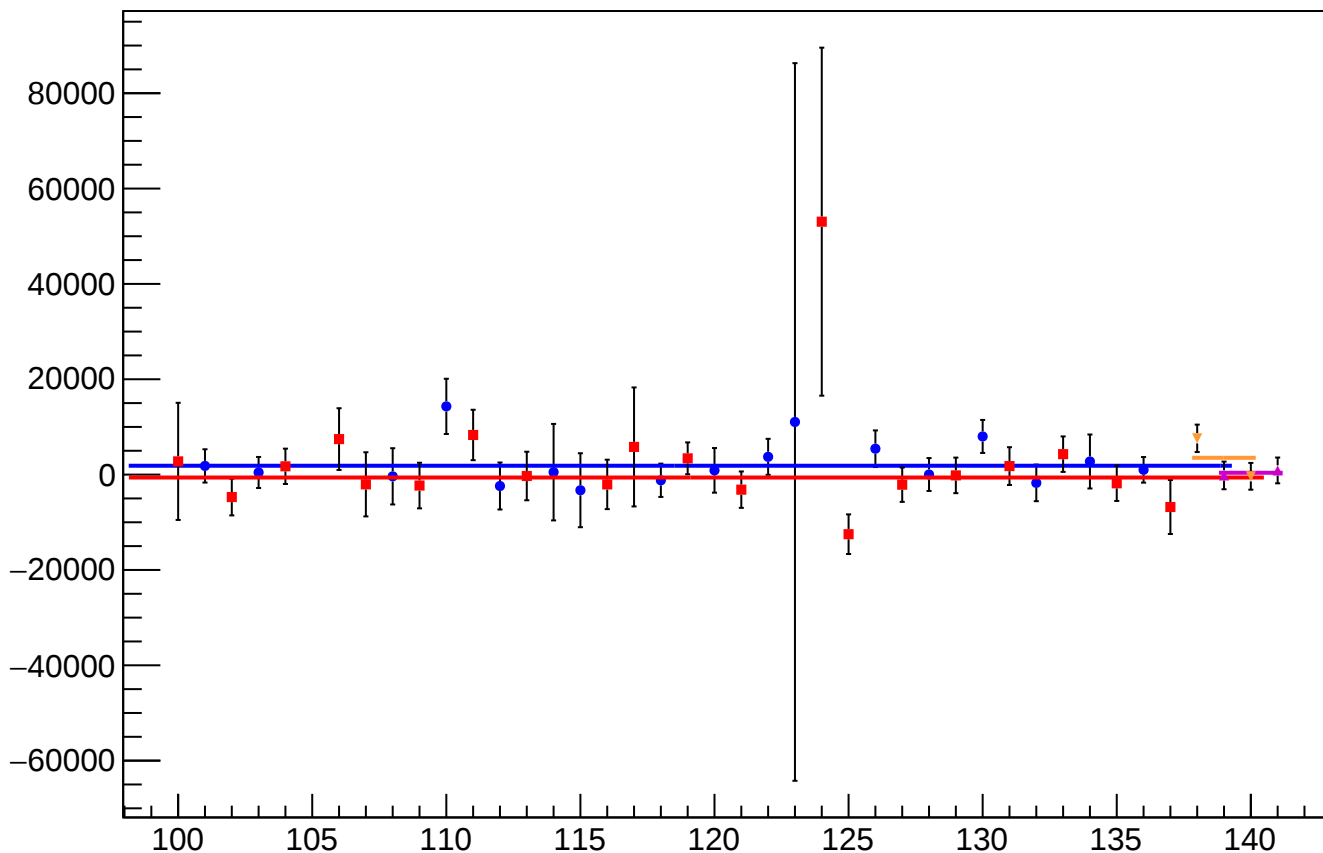
Right Out: 987.980 $\pm$ 0.182 χ^2 /NDF: 0.0/19

Left In: 969.711 $\pm$ 0.548 χ^2 /NDF: 7458.0/1

984.472 $\pm$ 0.186 χ^2 /NDF: 5257.2/18

986.158 $\pm$ 0.173 χ^2 /NDF: 8458.9/21

reg_asym_atl1_mean vs Slug



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

Left Out: 3526.425 +/- 2009.550 χ^2/NDF : 3.9/1

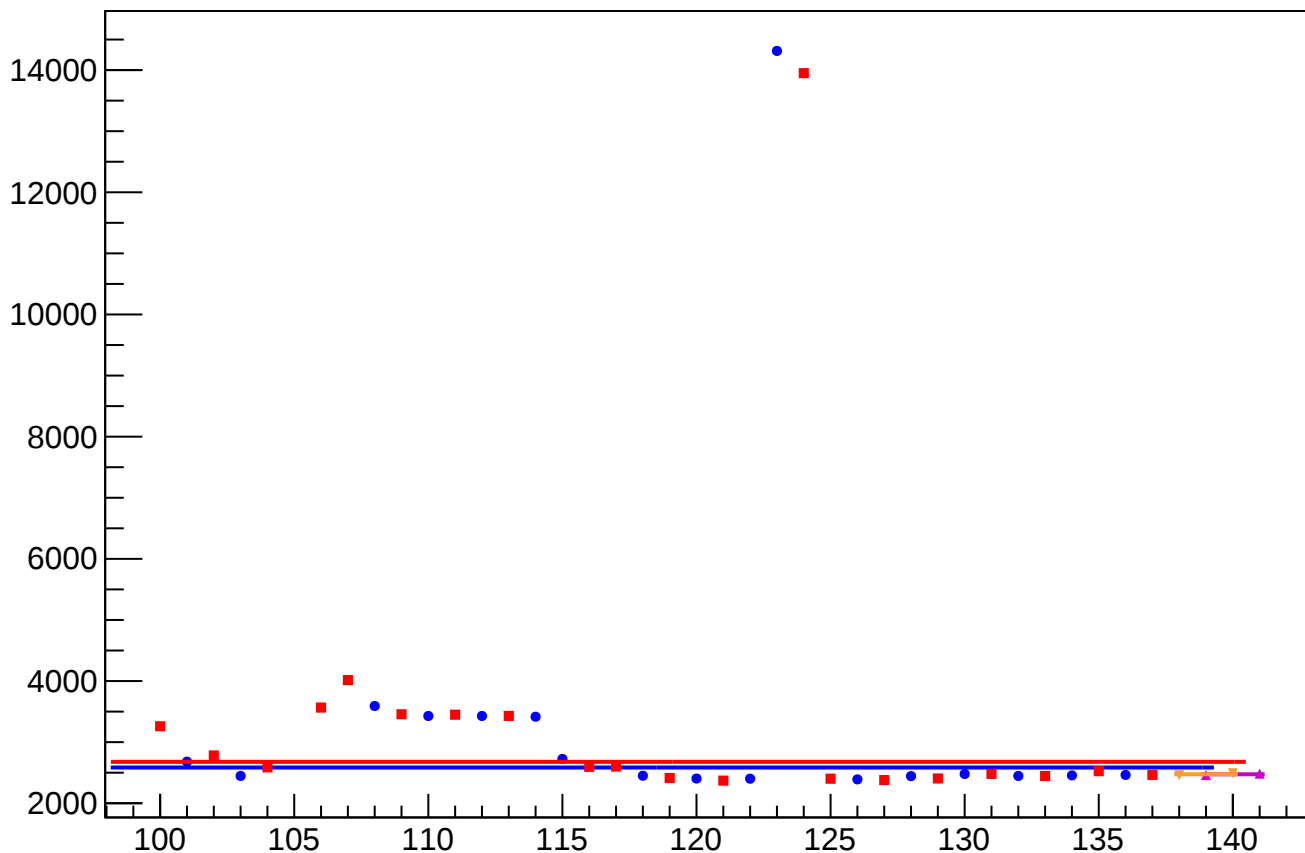
Right Out: -611.041 +/- 1020.345 χ^2/NDF : 22.3/19

Left In: 387.651 +/- 1977.568 χ^2/NDF : 0.1/1

2197.700 +/- 904.881 χ^2/NDF : 17.0/18

-401.072 +/- 906.763 χ^2/NDF : 22.6/21

reg_asym_atl1_rms vs Slug



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

Left Out: 2474.620+/-1.421 χ^2/NDF : 115.7/1

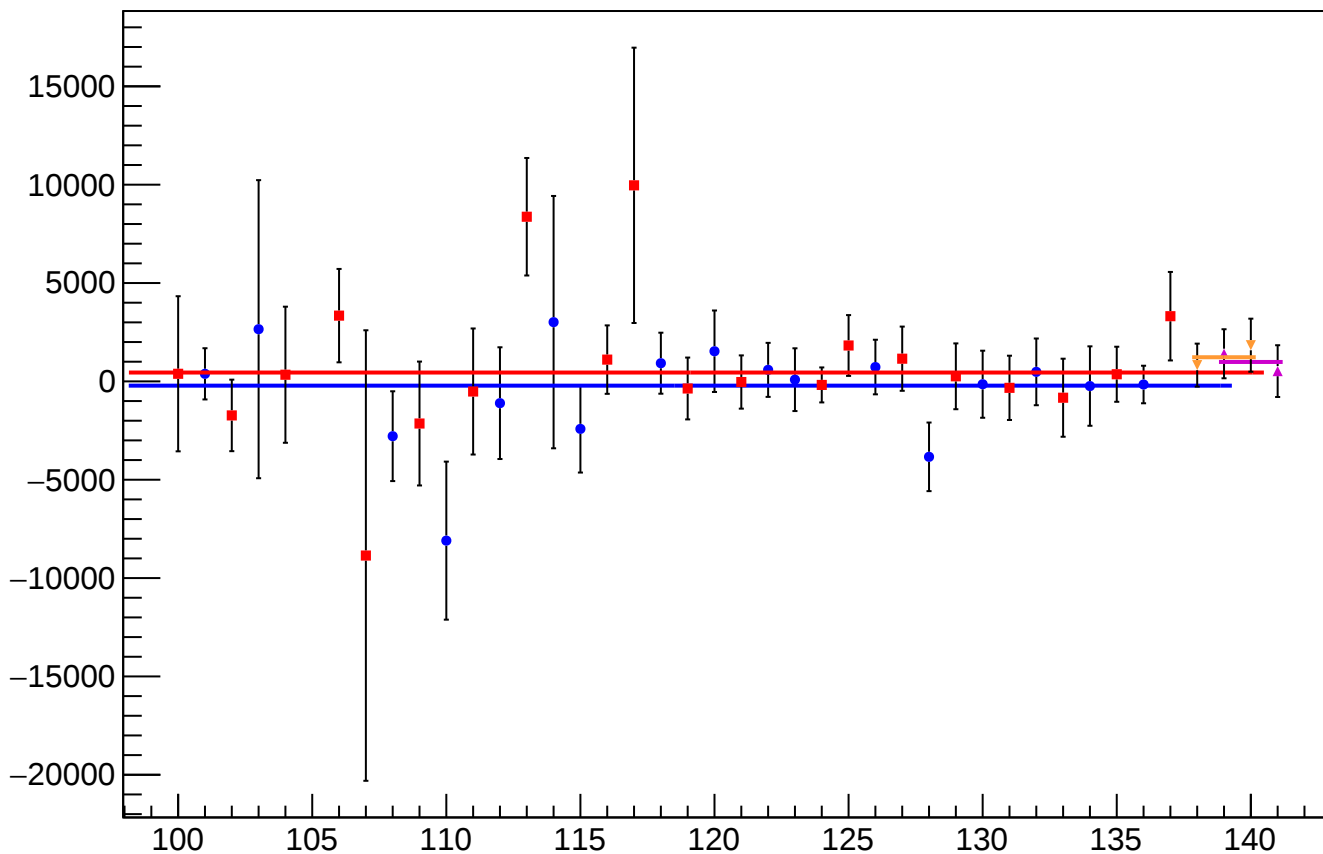
Right Out: 2677.711+/-0.721 χ^2/NDF : 532173.5/19

Left In: 2474.182+/-1.398 χ^2/NDF : 70.4/1

2562.475+/-0.640 χ^2/NDF : 260621.0/18

2634.920+/-0.641 χ^2/NDF : 548974.4/21

asym_atl1_correction_mean vs Slug



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

Left Out: 1227.476+/-849.043 χ^2/NDF : 0.3/1

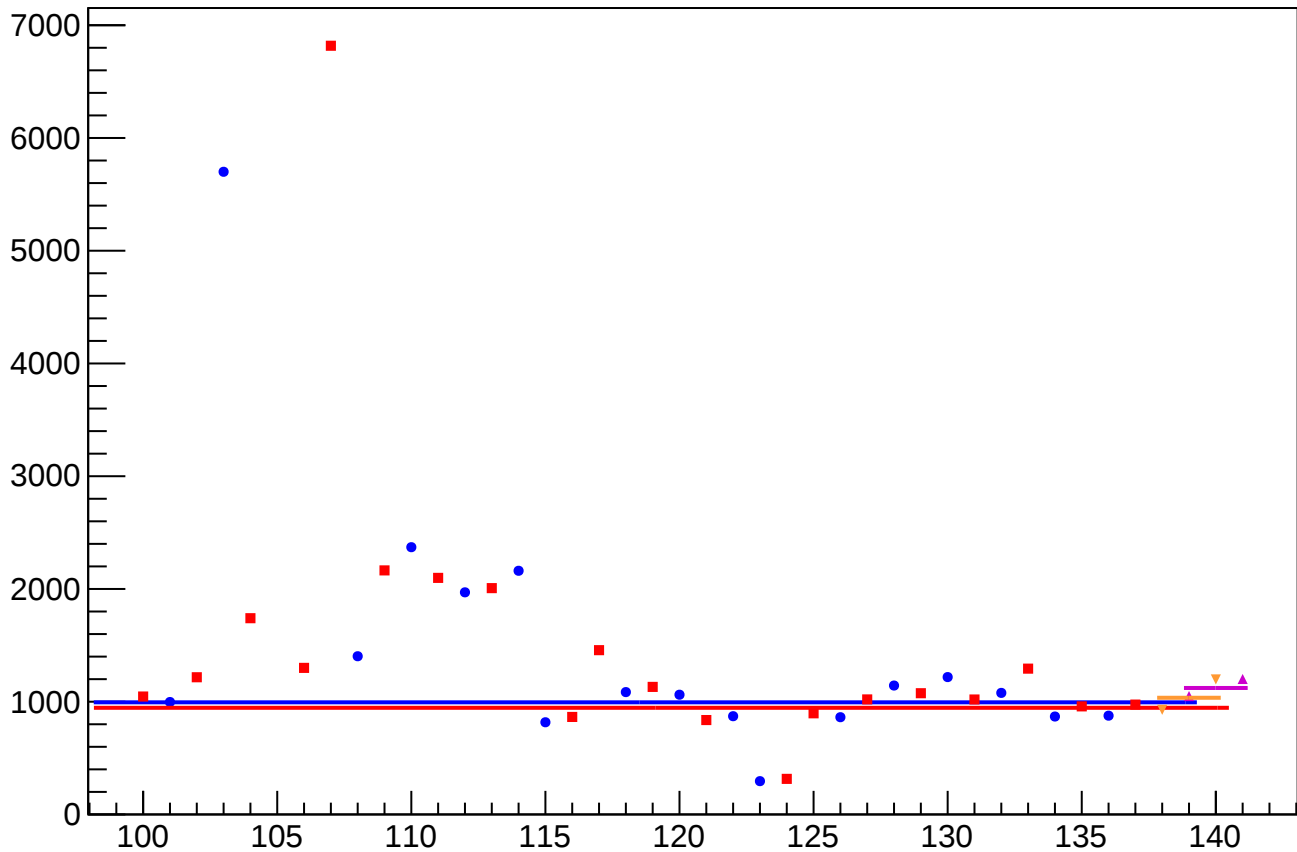
Right Out: 449.702+/-408.279 χ^2/NDF : 17.5/19

Left In: 986.966+/-904.963 χ^2/NDF : 0.2/1

67.048+/-376.514 χ^2/NDF : 16.0/18

540.563+/-372.158 χ^2/NDF : 18.1/21

asym_atl1_correction_rms vs Slug



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

Left Out: 1034.996+/-0.600 χ^2/NDF : 48174.1/1

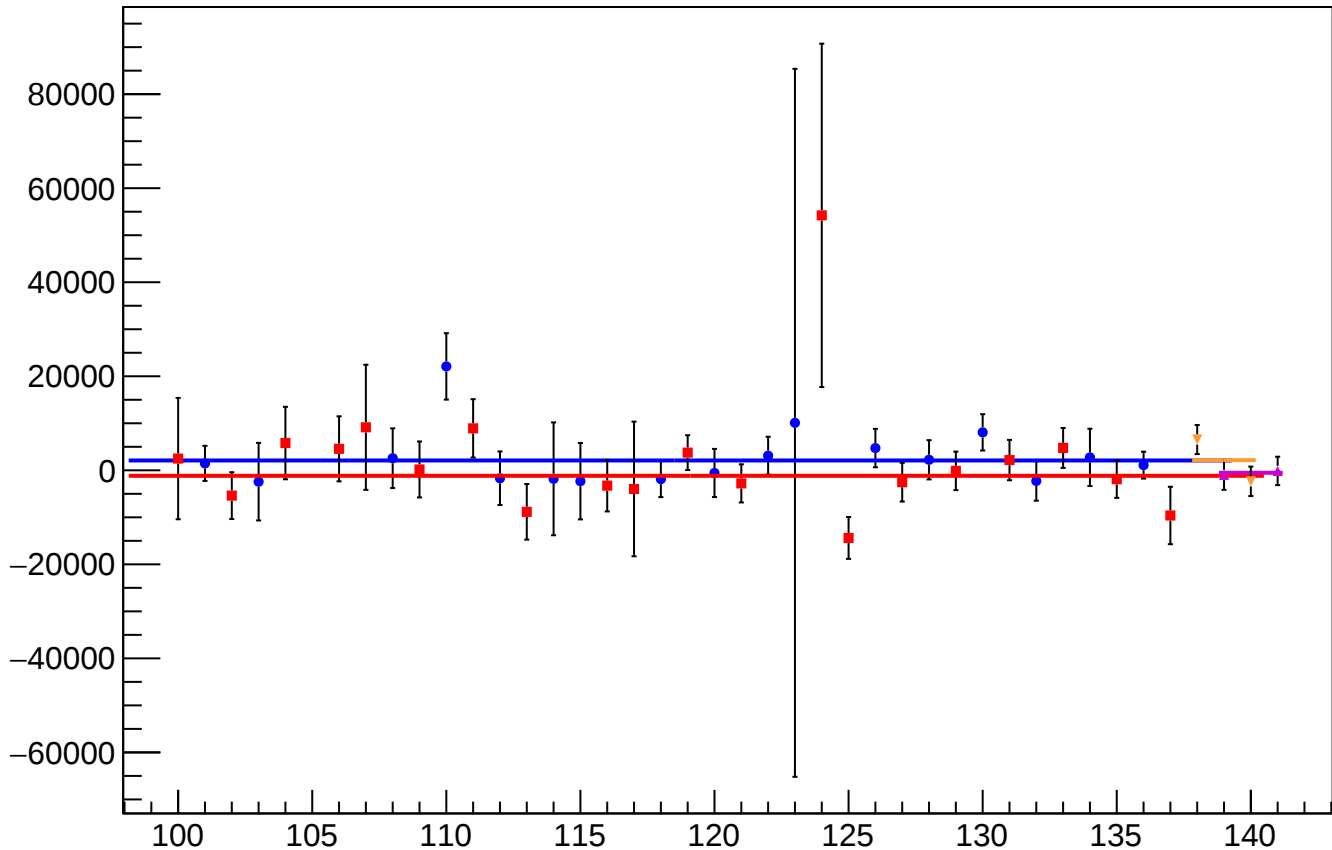
Right Out: 946.032+/-0.289 χ^2/NDF : 2676710.2/19

Left In: 1121.805+/-0.640 χ^2/NDF : 13954.4/1

1002.497+/-0.266 χ^2/NDF : 1956370.9/18

975.758+/-0.263 χ^2/NDF : 2753356.9/21

asym_atl1_mean vs Slug



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

Left Out: 2156.603 ± 2201.273 χ^2/NDF : 4.1/1

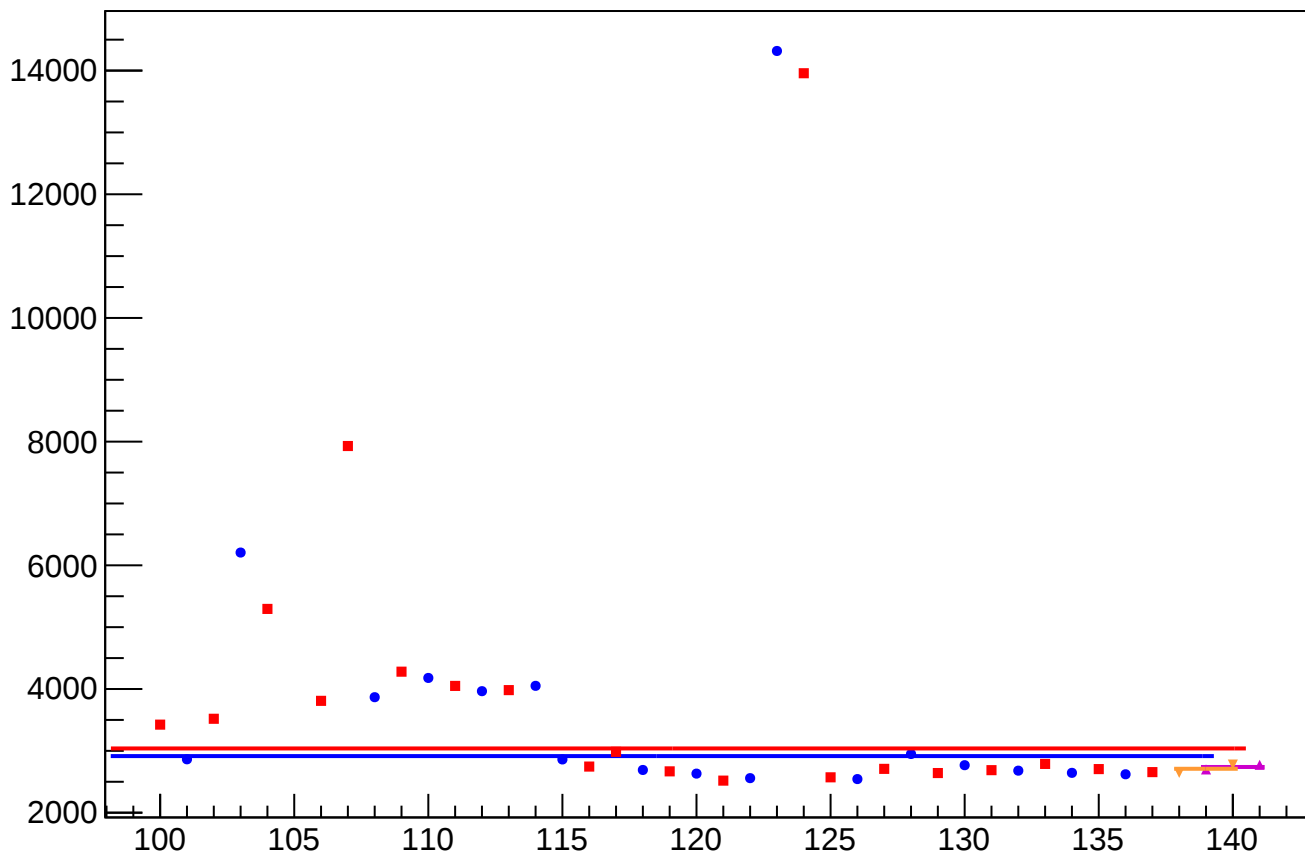
Right Out: -1167.038 ± 1182.950 χ^2/NDF : 25.2/19

Left In: -528.482 ± 2190.351 χ^2/NDF : 0.0/1

2107.653 ± 1026.524 χ^2/NDF : 18.7/18

-1022.844 ± 1040.852 χ^2/NDF : 25.3/21

asym_atl1_rms vs Slug



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

Left Out: 2710.001+/-1.557 χ^2 /NDF:1860.3/1

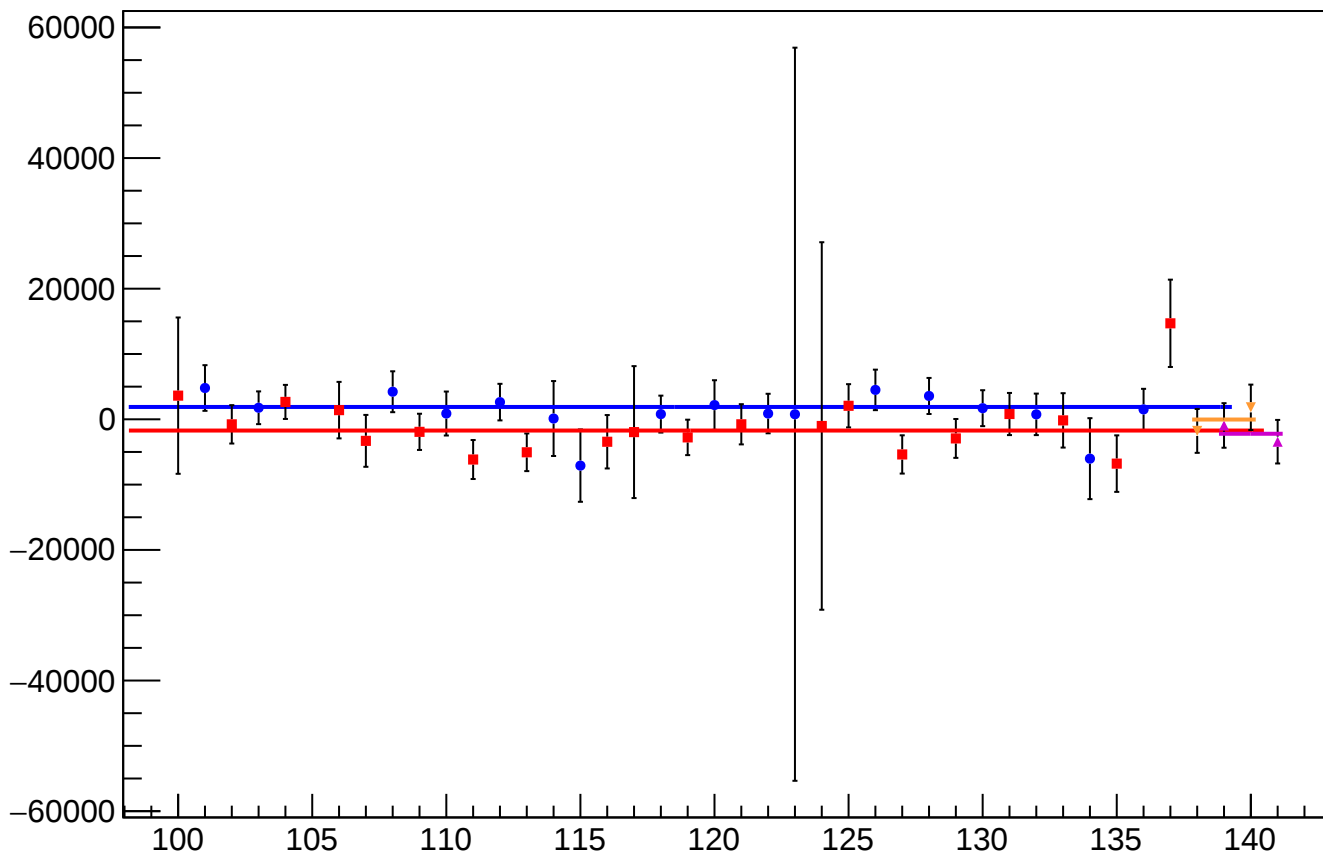
Right Out: 3038.763+/-0.836 χ^2 /NDF: 1011412.5/19

Left In: 2739.079+/-1.549 χ^2 /NDF:578.9/1

2870.577+/-0.726 χ^2 /NDF: 654596.6/18

2971.090+/-0.736 χ^2 /NDF: 1040976.5/21

reg_asym_atl2_mean vs Slug



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

Left Out: -34.725+/-2415.506 χ^2 /NDF:0.6/1

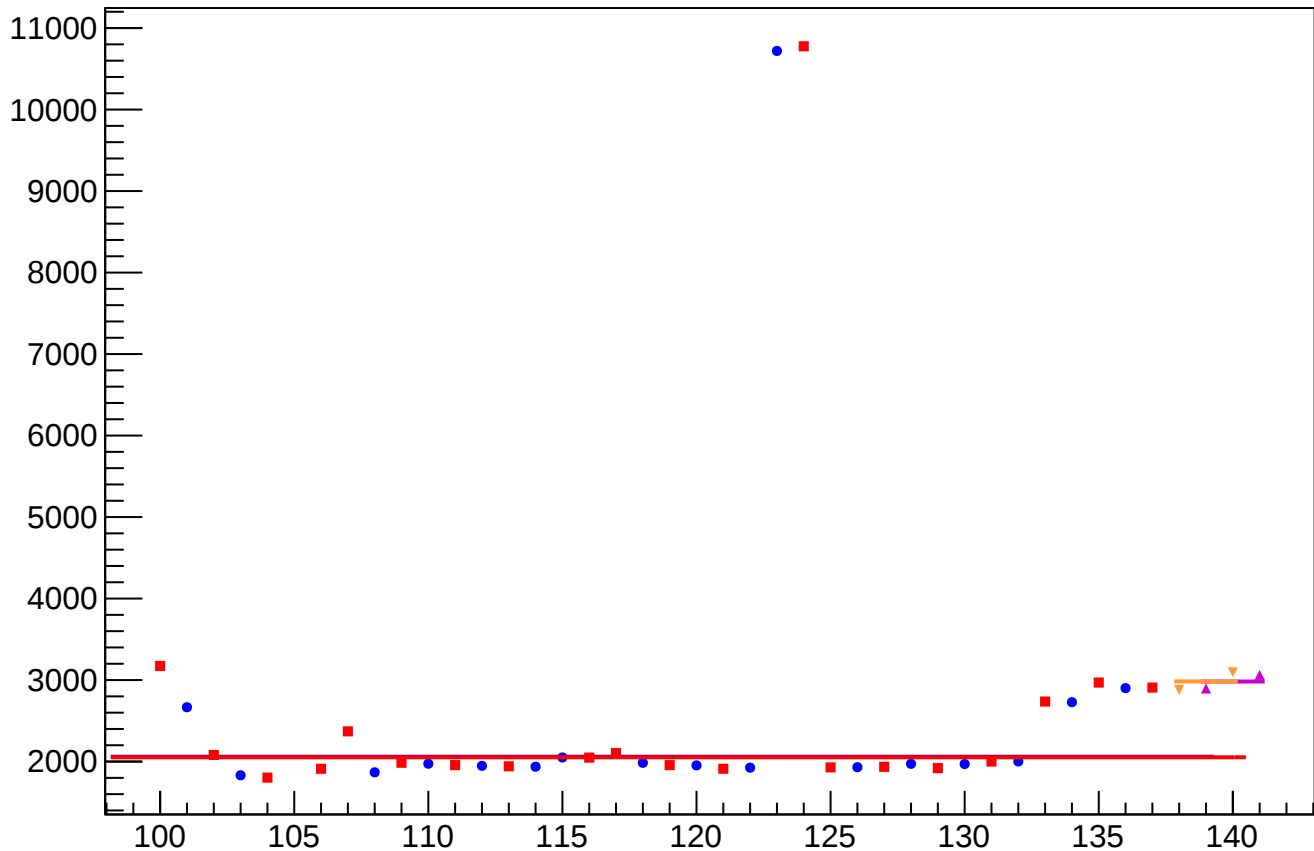
Right Out: -1720.591+/-787.704 χ^2 /NDF: 19.0/19

Left In: -2213.920+/-2384.598 χ^2 /NDF:0.3/1

1694.775+/-769.191 χ^2 /NDF: 8.4/18

-1769.126+/-747.953 χ^2 /NDF: 19.3/21

reg_asym_atl2_rms vs Slug



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

Left Out: 2983.636+/-1.708 χ^2/NDF : 3957.1/1

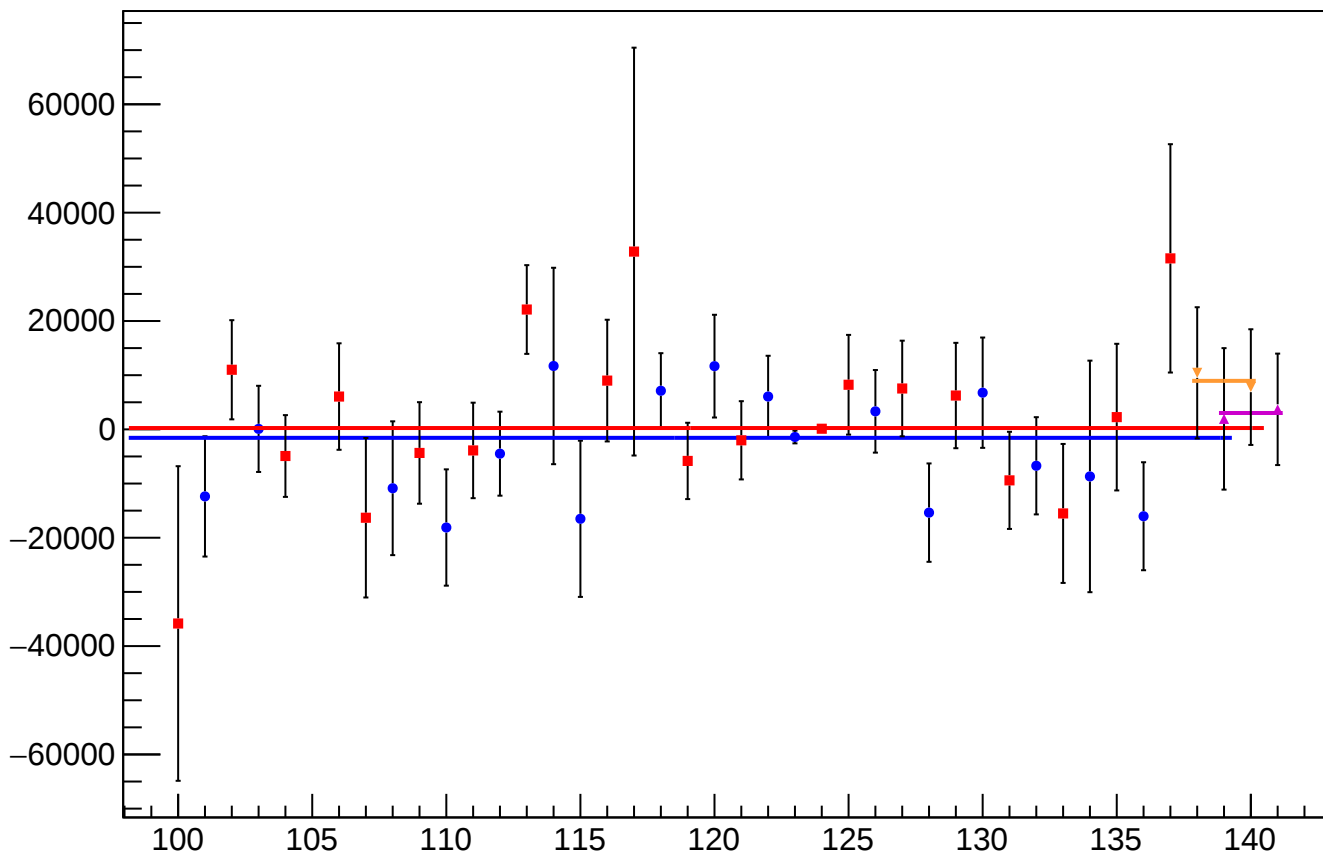
Right Out: 2052.576+/-0.557 χ^2/NDF : 443374.3/19

Left In: 2982.208+/-1.686 χ^2/NDF : 2461.6/1

2152.728+/-0.544 χ^2/NDF : 585881.4/18

2144.035+/-0.529 χ^2/NDF : 719895.3/21

asym_atl2_correction_mean vs Slug



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

Left Out: 8953.587+/-8007.749 χ^2/NDF : 0.0/1

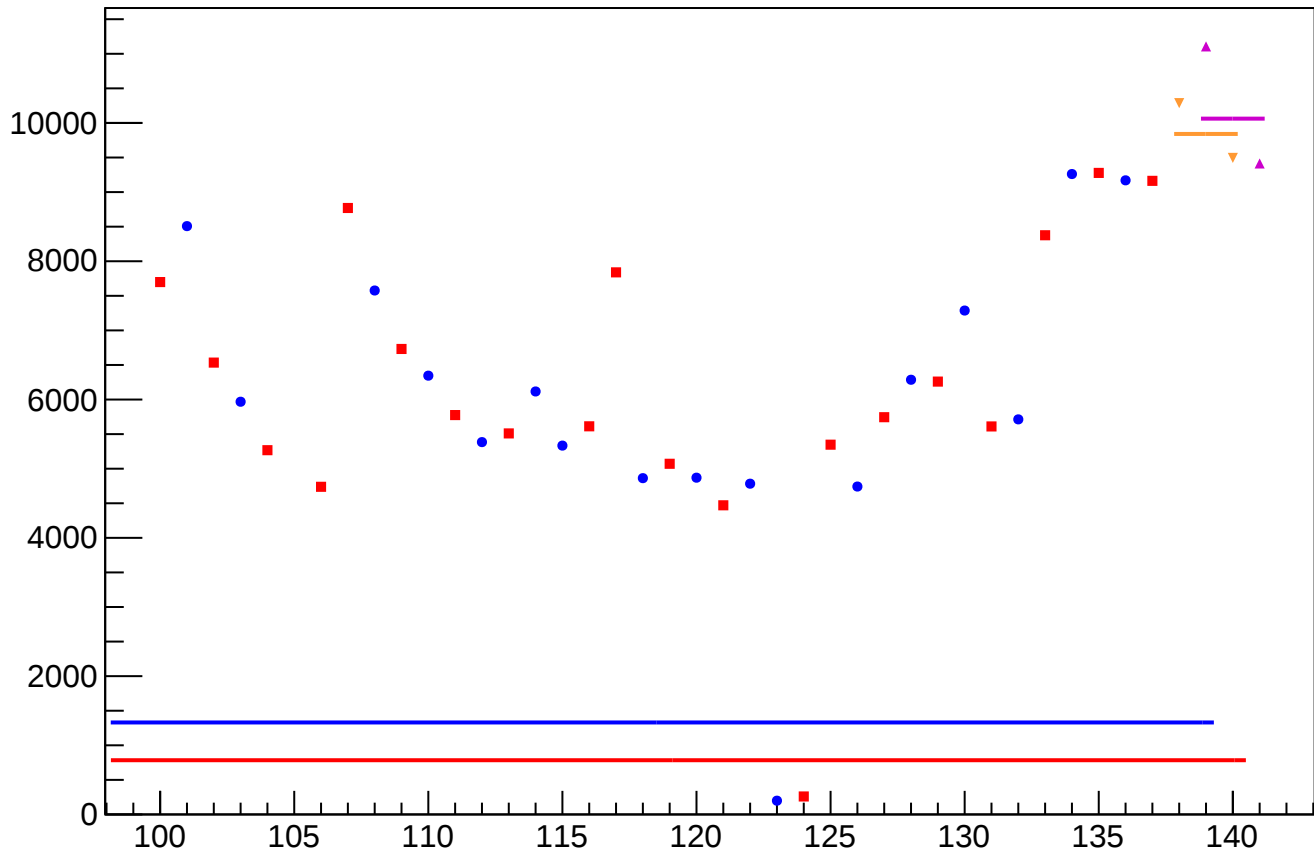
Right Out: 247.306+/-695.049 χ^2/NDF : 21.6/19

Left In: 3022.842+/-8079.625 χ^2/NDF : 0.0/1

-1384.141+/-1044.934 χ^2/NDF : 17.9/18

267.695+/-692.491 χ^2/NDF : 21.7/21

asym_atl2_correction_rms vs Slug



Right In: 1330.250 $\pm$ 0.745 χ^2/NDF : 10046828.9/16

Left Out: 9840.785 $\pm$ 5.662 χ^2/NDF : 4812.8/1

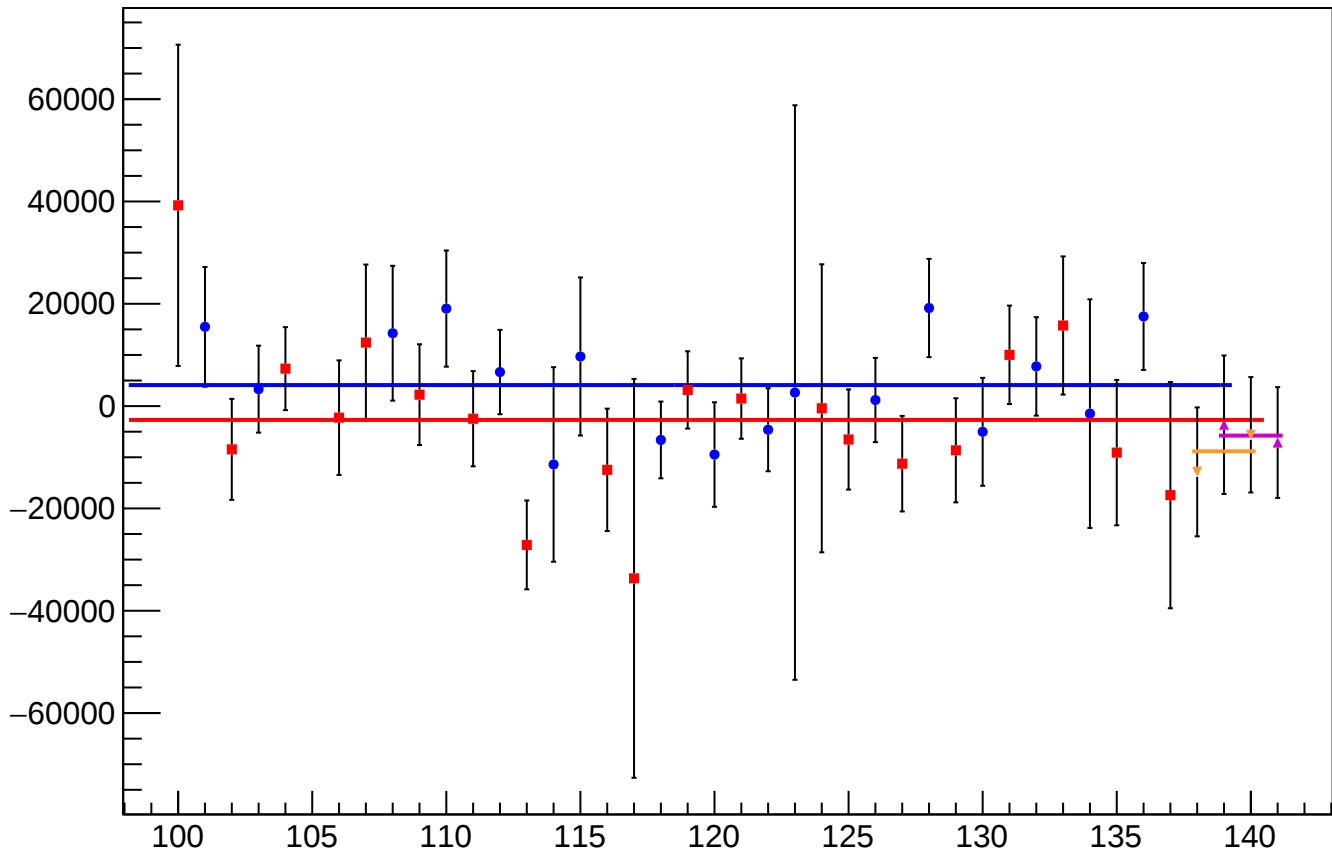
Right Out: 784.254 $\pm$ 0.491 χ^2/NDF : 11510186.9/19

Left In: 10062.219 $\pm$ 5.713 χ^2/NDF : 20745.9/1

1475.165 $\pm$ 0.739 χ^2/NDF : 12272209.6/18

852.409 $\pm$ 0.490 χ^2/NDF : 14148819.8/21

asym_atl2_mean vs Slug



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

Left Out: -8829.932 $\pm$ 8404.658 χ^2 /NDF: 0.2/1

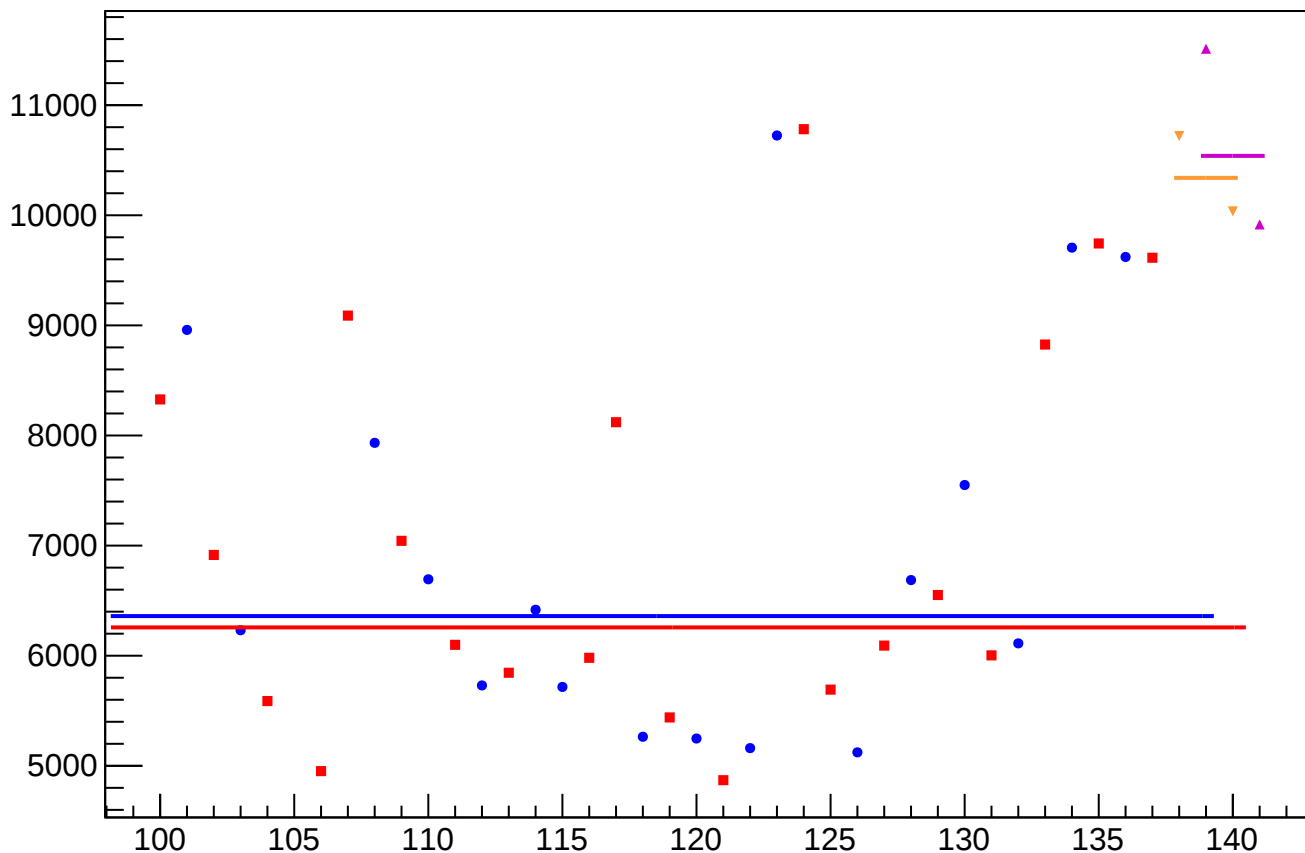
Right Out: -2697.106 $\pm$ 2415.828 χ^2 /NDF: 20.6/19

Left In: -5763.325 $\pm$ 8455.143 χ^2 /NDF: 0.0/1

3033.039 $\pm$ 2426.518 χ^2 /NDF: 16.7/18

-2928.532 $\pm$ 2322.872 χ^2 /NDF: 20.7/21

asym_atl2_rms vs Slug



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

Left Out: 10339.793 ± 5.943 χ^2/NDF : 3276.1/1

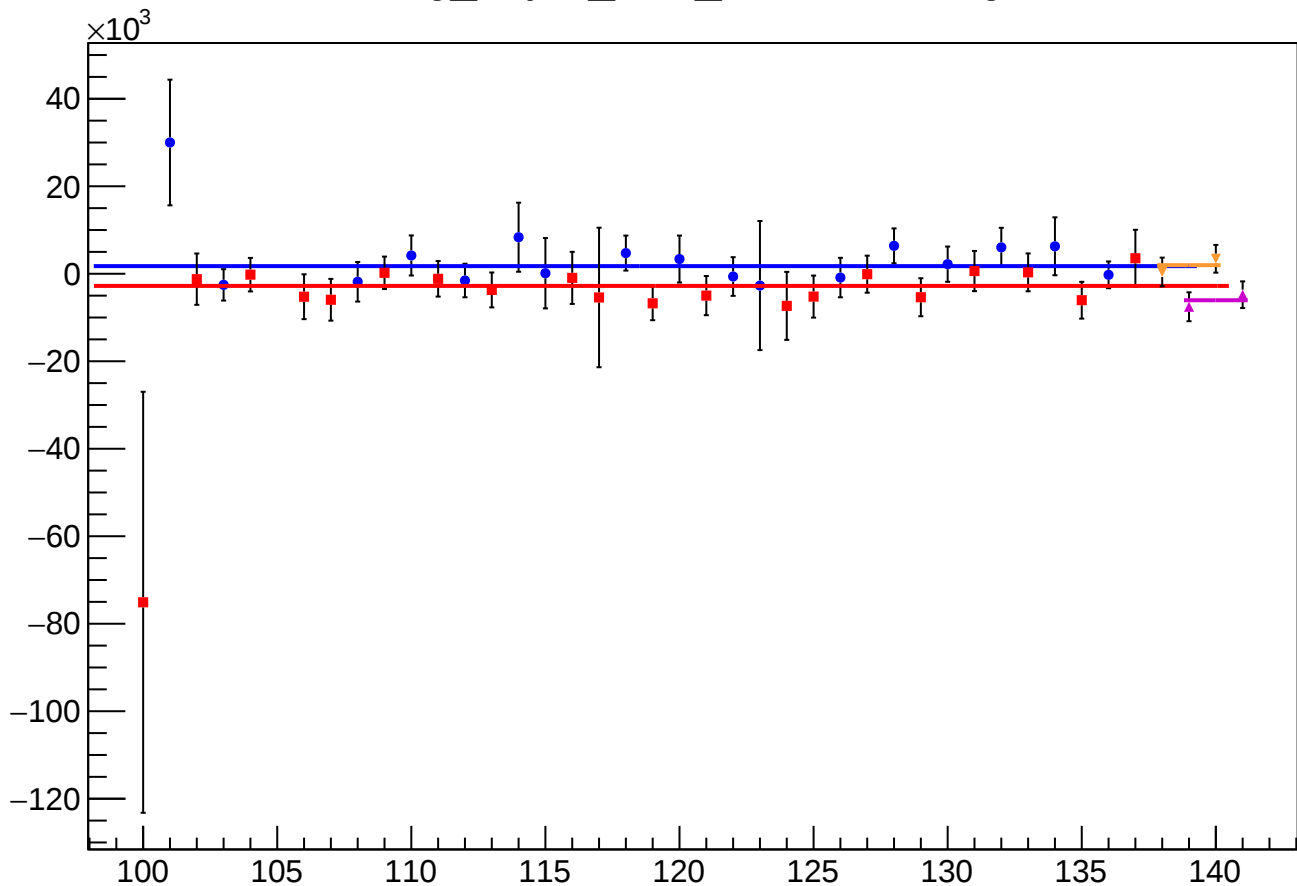
Right Out: 6257.232 ± 1.708 χ^2/NDF : 537553.3/19

Left In: 10539.419 ± 5.979 χ^2/NDF : 16948.4/1

6691.663 ± 1.716 χ^2/NDF : 994829.1/18

6580.406 ± 1.642 χ^2/NDF : 1028788.0/21

reg_asym_atr1_mean vs Slug



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

Left Out: 1970.051 $\pm$ 2279.897 χ^2 /NDF:0.4/1

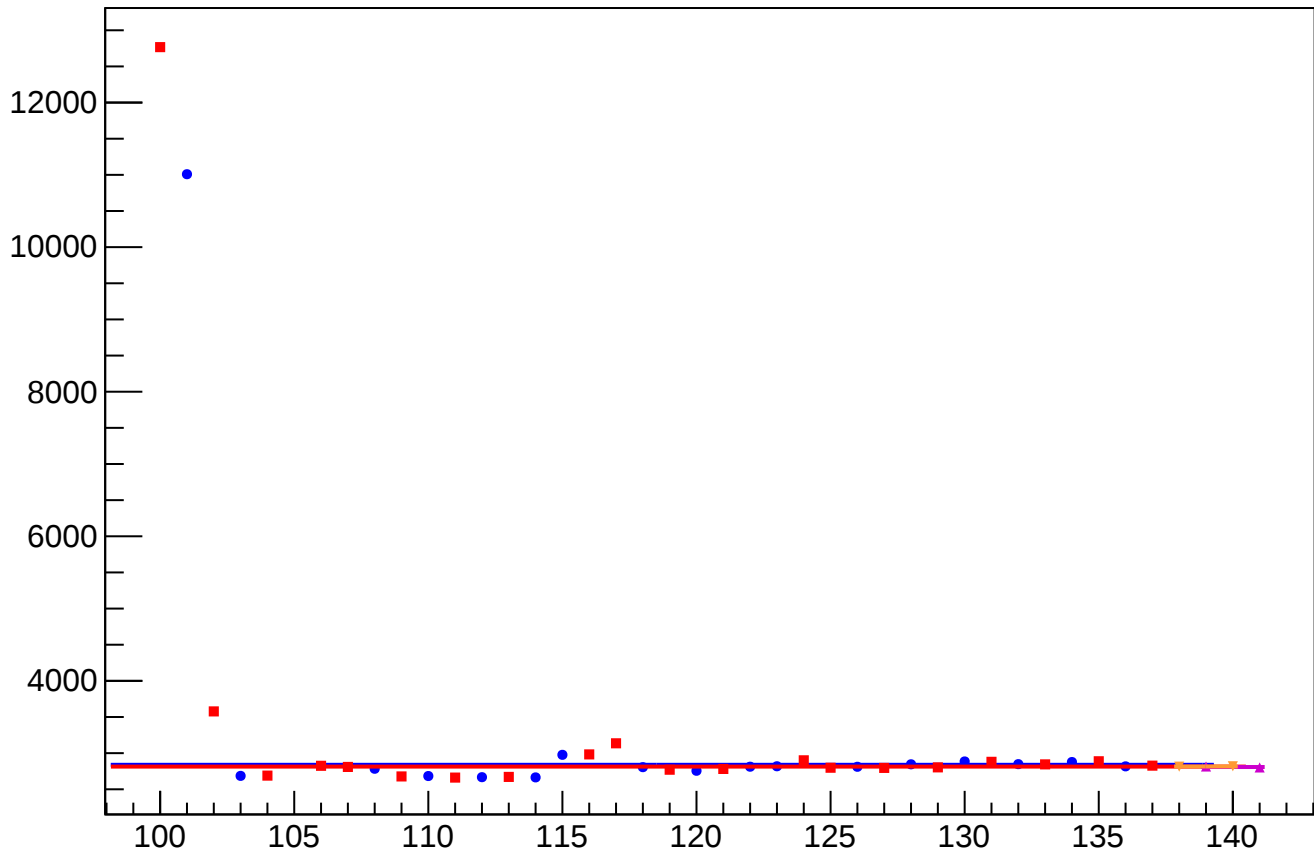
Right Out: -2775.793 $\pm$ 1069.534 χ^2 /NDF: 9.7/19

Left In: -6056.274 $\pm$ 2240.709 χ^2 /NDF:0.4/1

1790.093 $\pm$ 1011.401 χ^2 /NDF: 12.7/18

-3384.510 $\pm$ 965.216 χ^2 /NDF: 11.8/21

reg_asym_atr1_rms vs Slug



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

Left Out: 2815.861+/-1.612 χ^2/NDF : 2.7/1

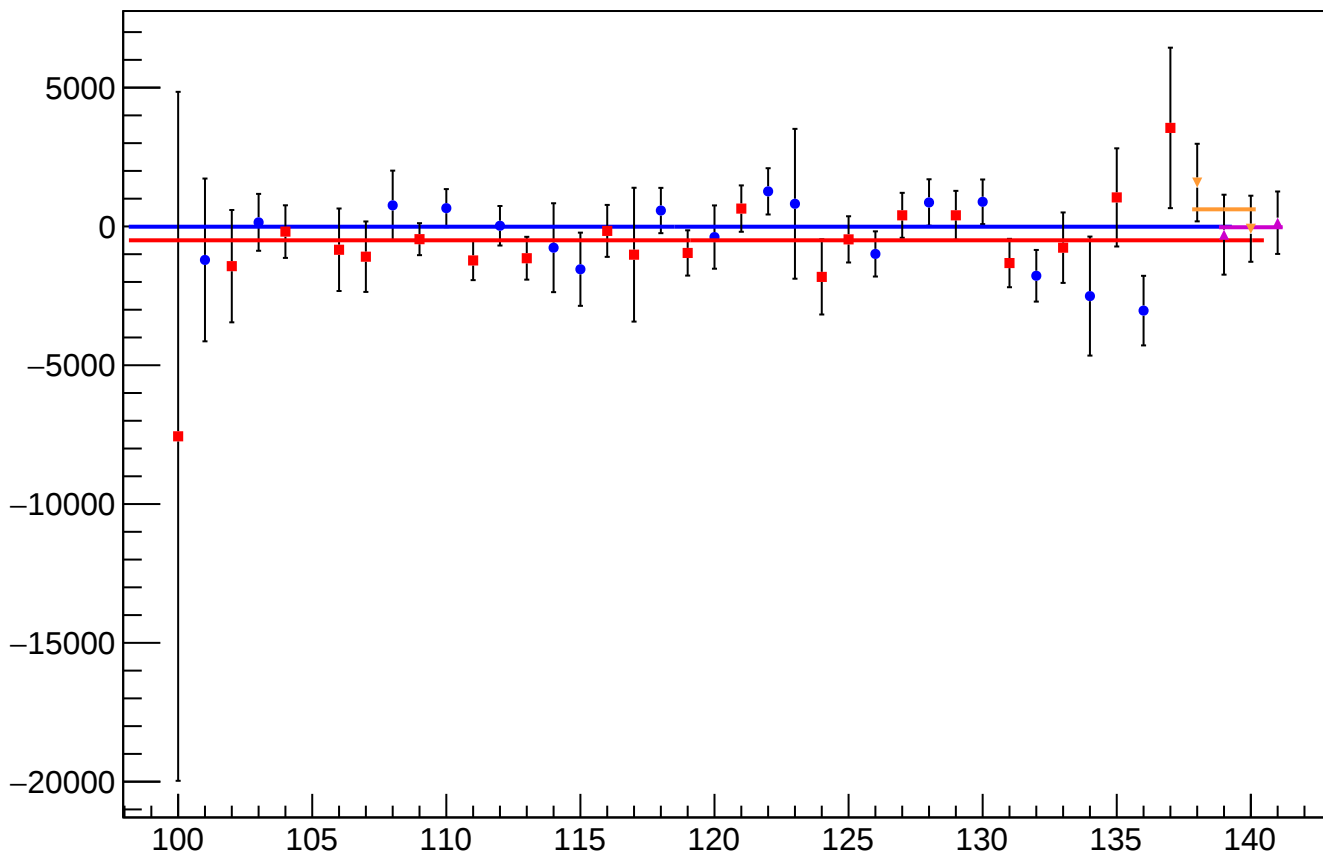
Right Out: 2814.083+/-0.756 χ^2/NDF : 133883.7/19

Left In: 2808.247+/-1.584 χ^2/NDF : 17.4/1

2834.235+/-0.715 χ^2/NDF : 660373.7/18

2813.000+/-0.683 χ^2/NDF : 133912.2/21

asym_atr1_correction_mean vs Slug



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

Left Out: 616.012 ± 906.029 χ^2/NDF : 0.8/1

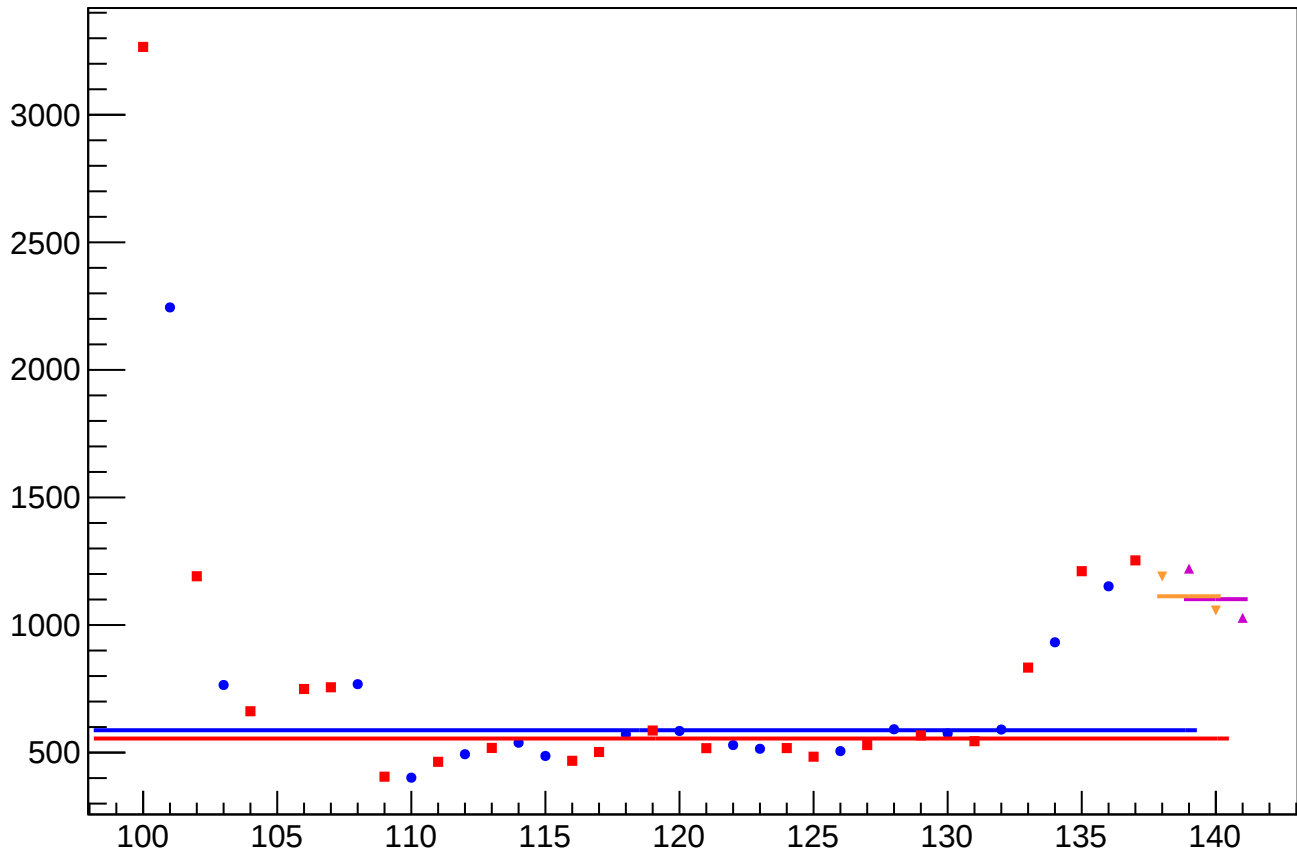
Right Out: -499.625 ± 220.558 χ^2/NDF : 11.9/19

Left In: -29.203 ± 886.356 χ^2/NDF : 0.1/1

31.728 ± 233.513 χ^2/NDF : 22.0/18

-472.195 ± 214.031 χ^2/NDF : 12.2/21

asym_atr1_correction_rms vs Slug



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

Left Out: 1112.746+/-0.641 χ^2/NDF : 10549.4/1

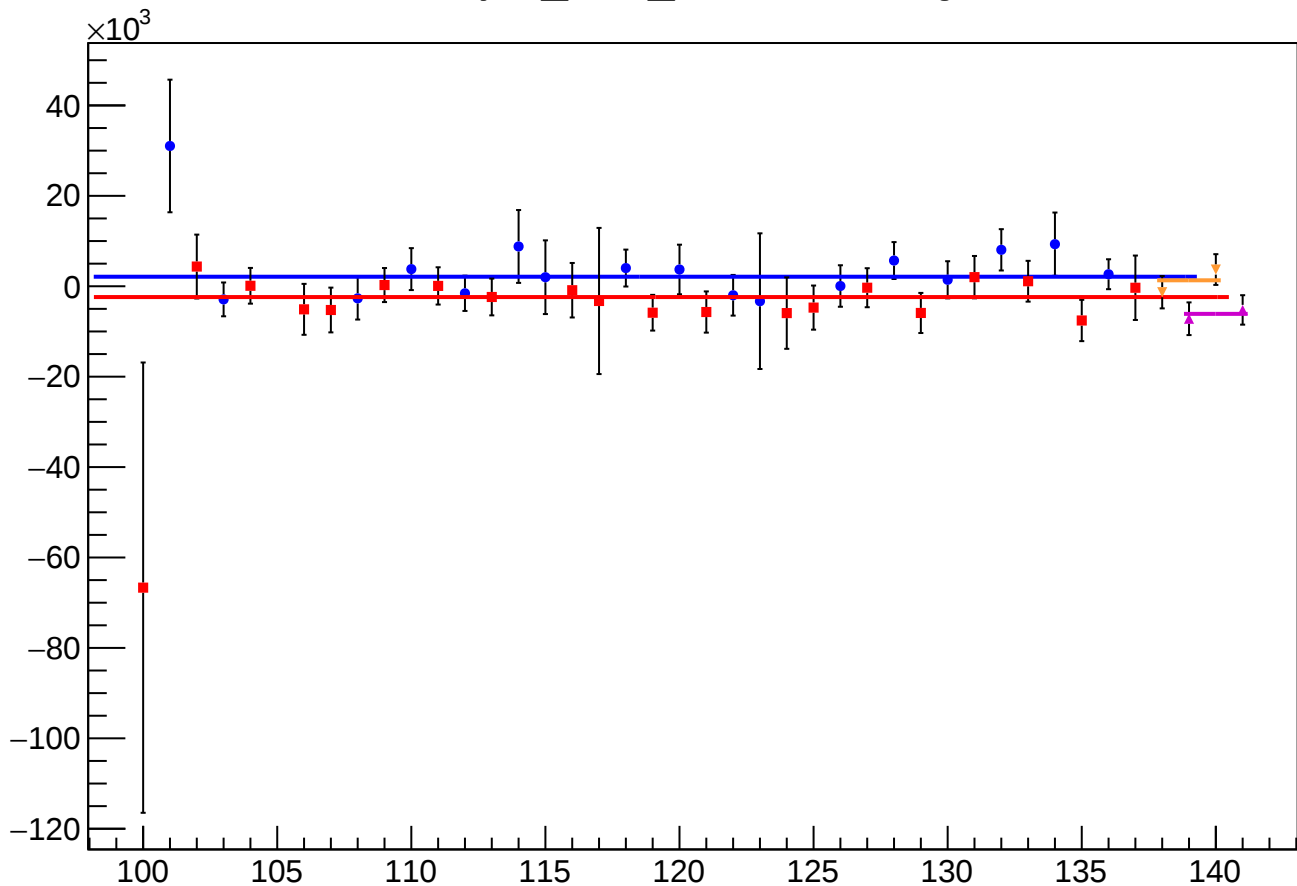
Right Out: 555.088+/-0.156 χ^2/NDF : 1107729.2/19

Left In: 1101.358+/-0.627 χ^2/NDF : 22320.7/1

622.480+/-0.165 χ^2/NDF : 2063597.7/18

586.940+/-0.151 χ^2/NDF : 1845429.8/21

asym_atr1_mean vs Slug



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

Left Out: 1317.425 ± 2465.073 χ^2/NDF : 1.0/1

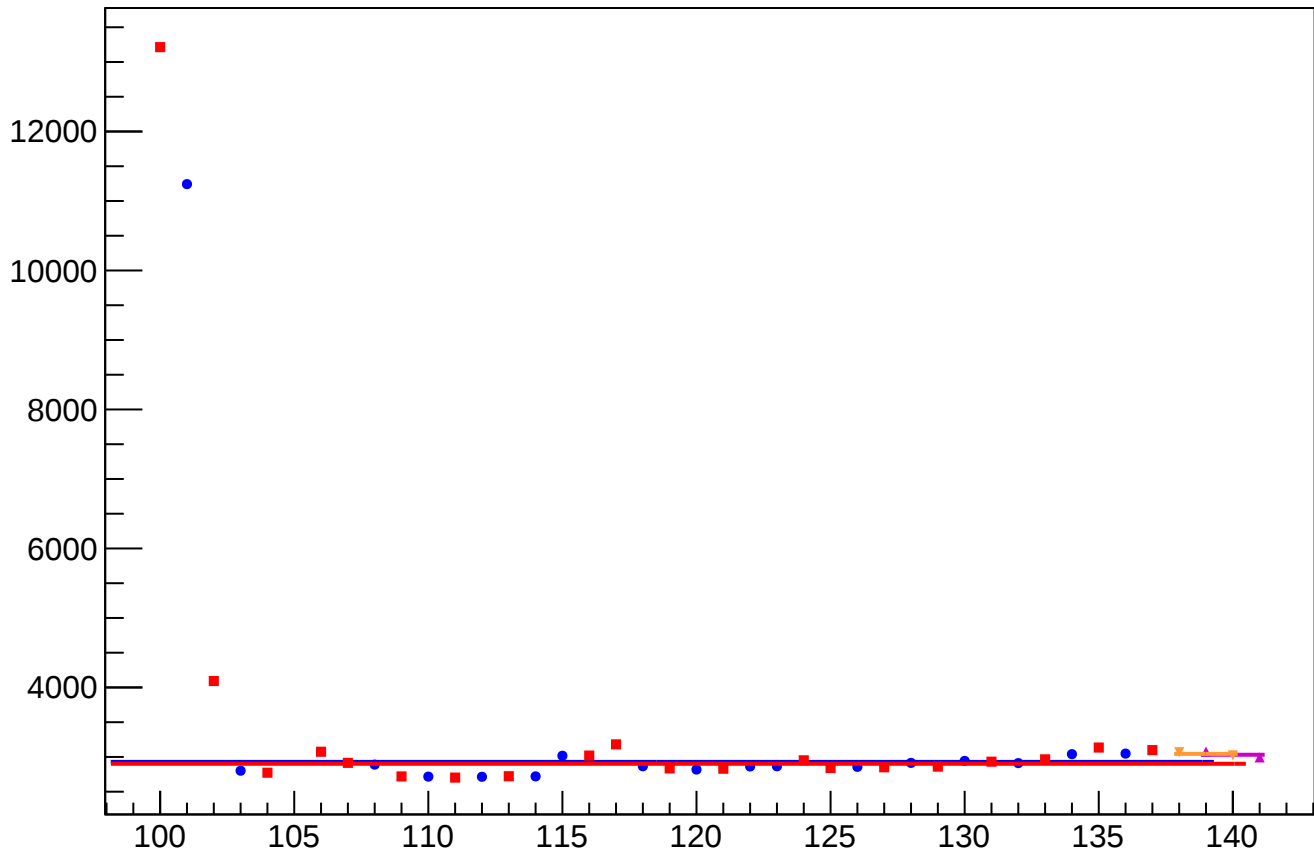
Right Out: -2389.947 ± 1107.639 χ^2/NDF : 9.9/19

Left In: -6108.515 ± 2419.589 χ^2/NDF : 0.2/1

1964.202 ± 1052.804 χ^2/NDF : 14.6/18

-3034.206 ± 1007.126 χ^2/NDF : 12.0/21

asym_atr1_rms vs Slug



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

Left Out: 3044.341+/-1.743 χ^2/NDF :171.7/1

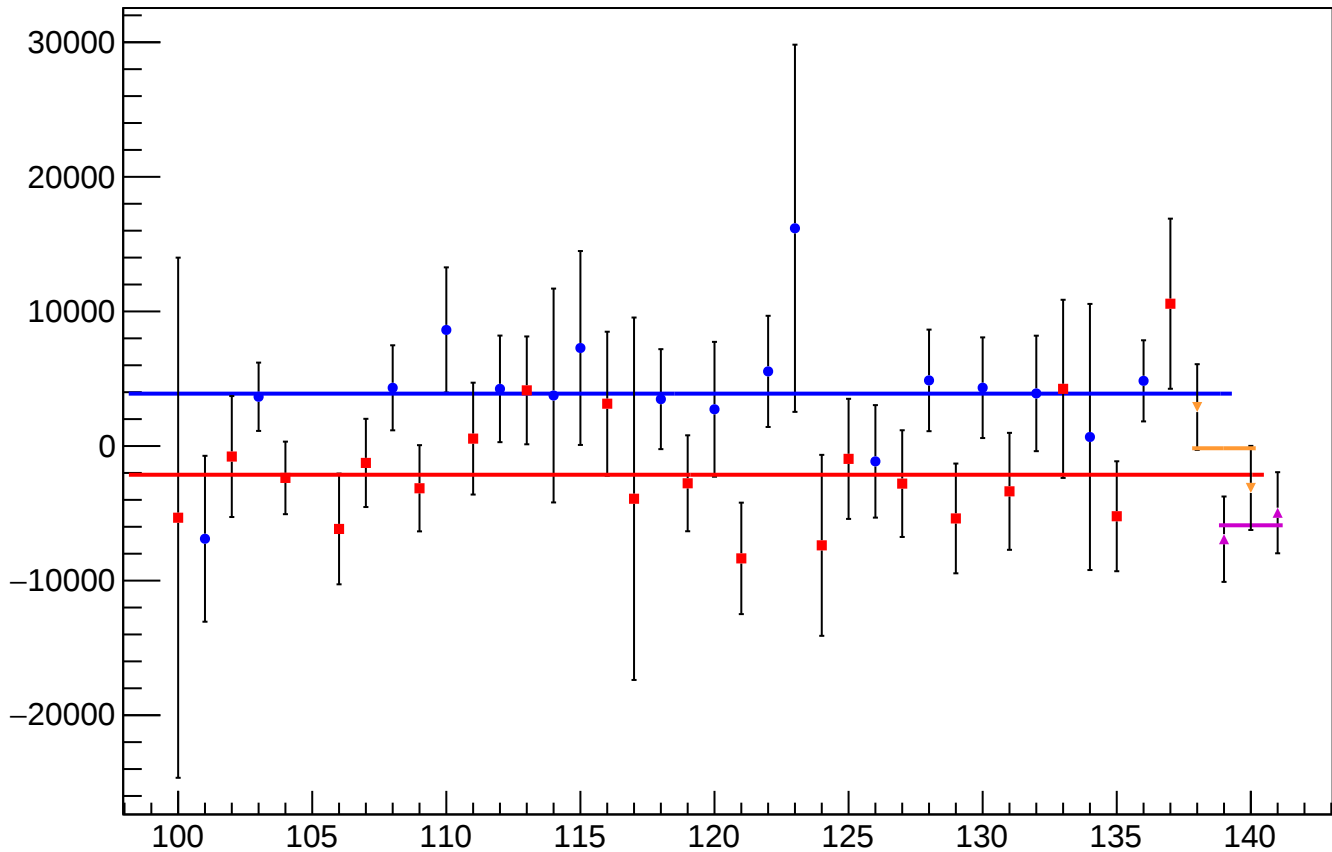
Right Out: 2901.790+/-0.783 χ^2/NDF : 170320.9/19

Left In: 3031.661+/-1.711 χ^2/NDF :618.8/1

2949.794+/-0.744 χ^2/NDF : 666133.2/18

2924.291+/-0.712 χ^2/NDF : 175703.3/21

reg_asym_atr2_mean vs Slug



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

Left Out: -165.693+/-2229.753 χ^2/NDF : 1.8/1

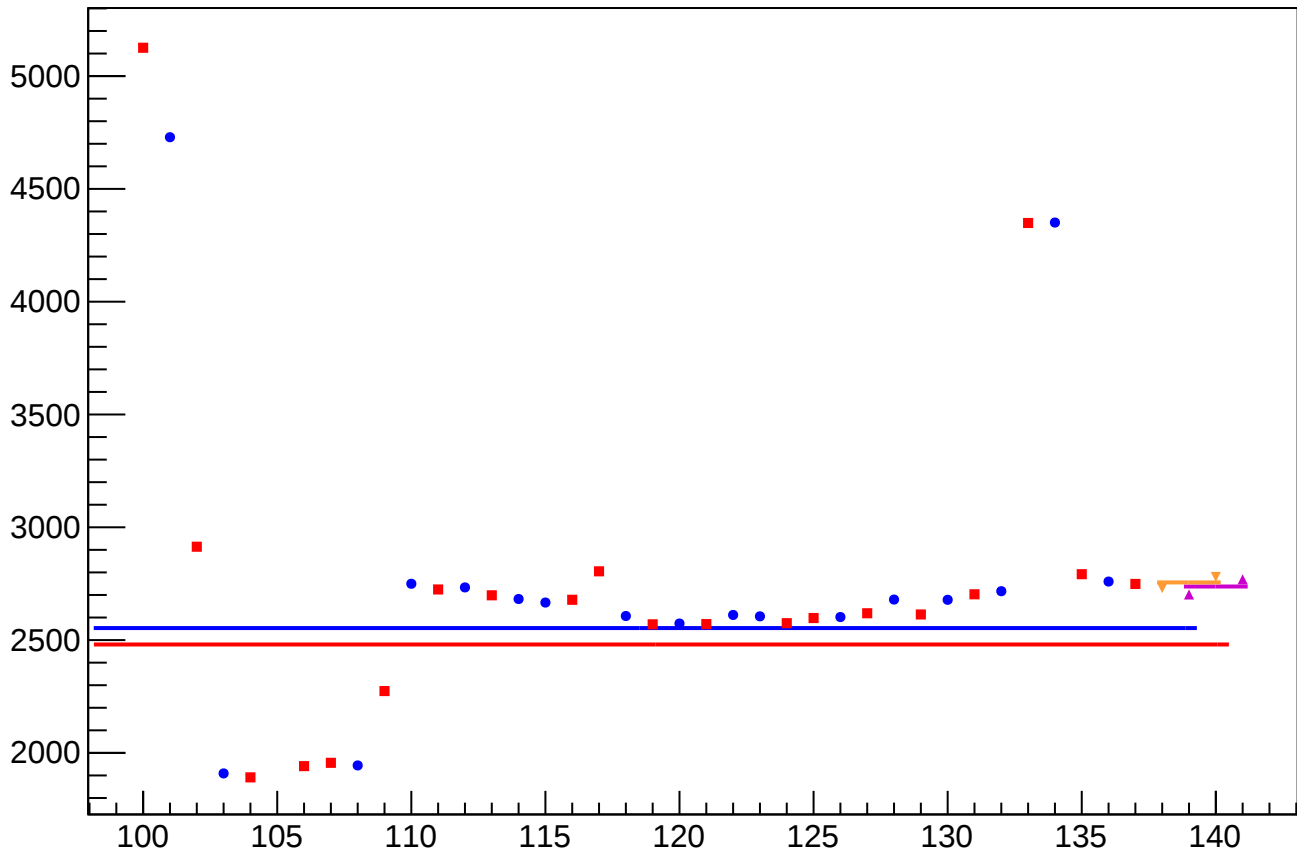
Right Out: -2133.736+/-955.999 χ^2/NDF : 14.4/19

Left In: -5889.385+/-2184.534 χ^2/NDF : 0.2/1

3199.658+/-921.315 χ^2/NDF : 11.7/18

-2737.384+/-875.807 χ^2/NDF : 17.0/21

reg_asym_atr2_rms vs Slug



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

Left Out: 2755.629+/-1.577 χ^2/NDF :244.8/1

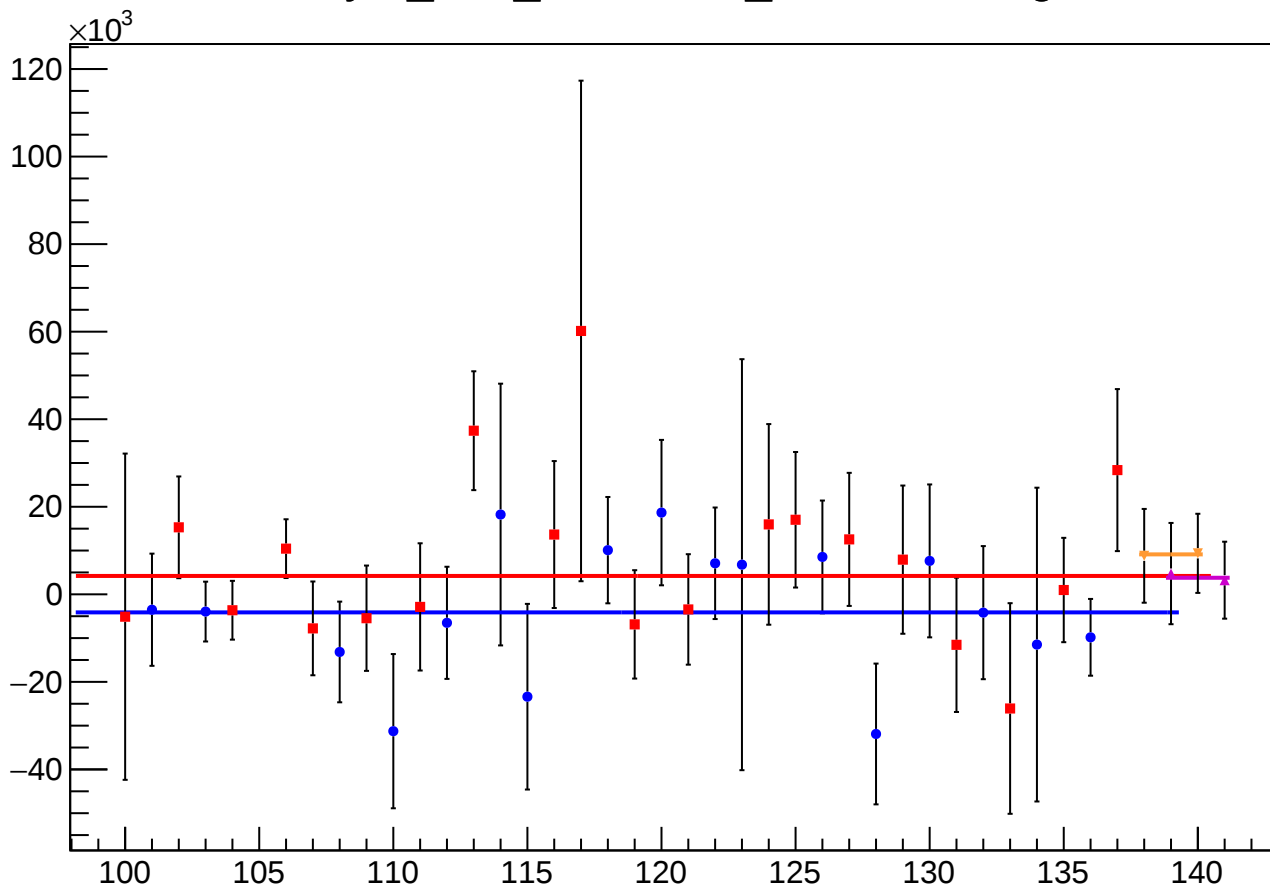
Right Out: 2480.504+/-0.676 χ^2/NDF : 450669.1/19

Left In: 2737.501+/-1.545 χ^2/NDF :470.3/1

2587.827+/-0.651 χ^2/NDF : 559130.6/18

2521.811+/-0.619 χ^2/NDF : 474370.6/21

asym_atr2_correction_mean vs Slug



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

Left Out: 9125.794 ± 6907.881 χ^2/NDF : 0.0/1

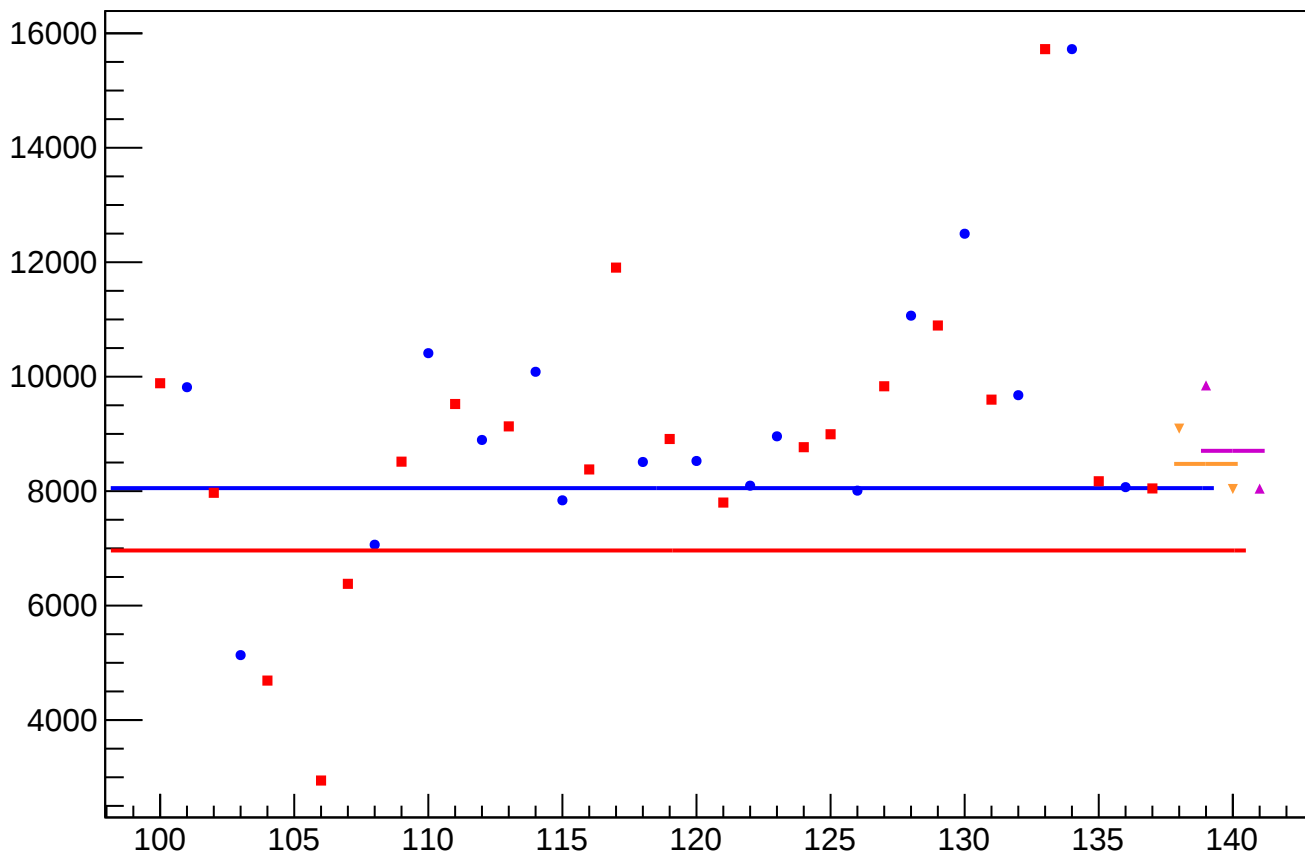
Right Out: 4197.870 ± 2830.850 χ^2/NDF : 19.5/19

Left In: 3782.307 ± 6998.708 χ^2/NDF : 0.0/1

-1752.351 ± 2923.746 χ^2/NDF : 16.4/18

4139.441 ± 2624.303 χ^2/NDF : 19.5/21

asym_atr2_correction_rms vs Slug



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

Left Out: 8475.884 $\pm$ 4.885 χ^2/NDF :11336.9/1

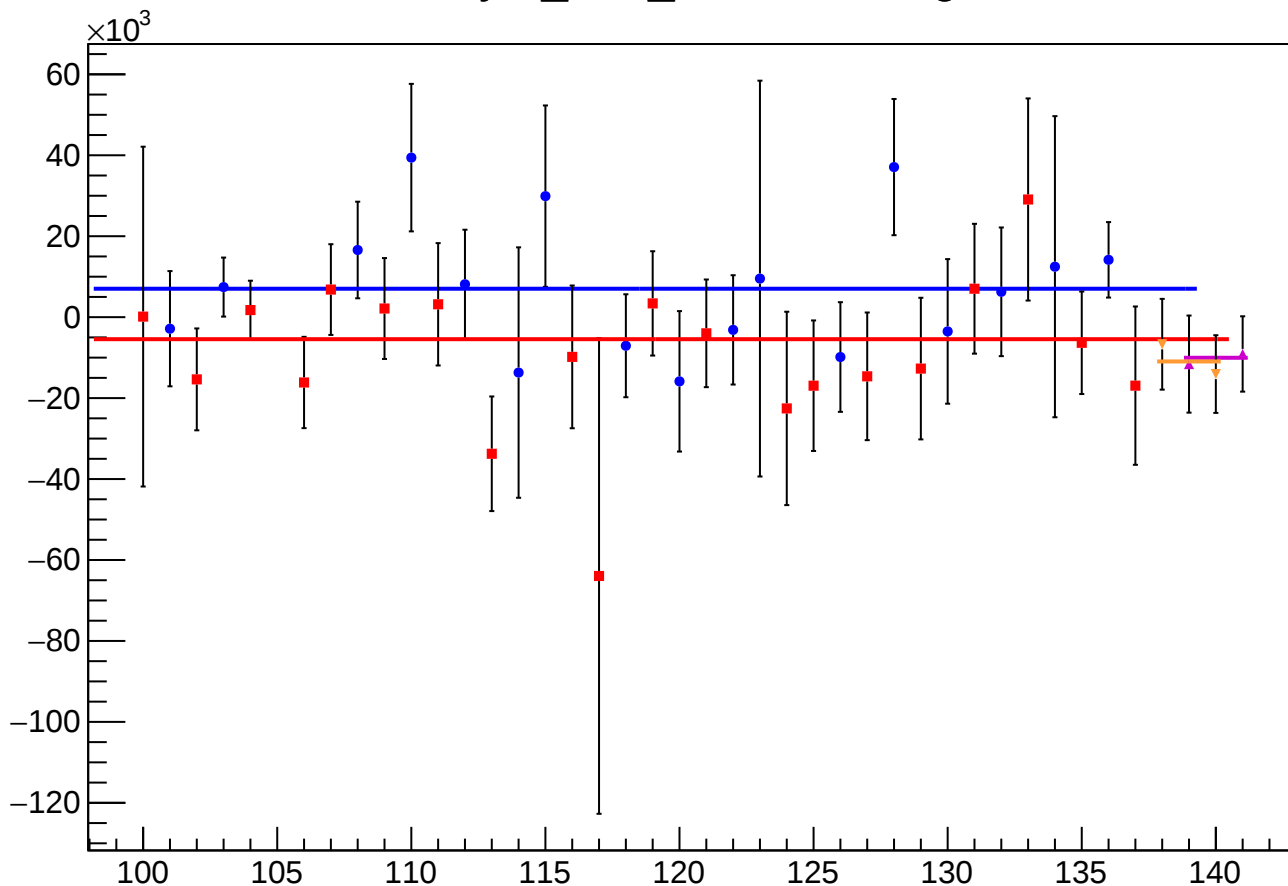
Right Out: 6963.091 $\pm$ 2.002 χ^2/NDF : 1791563.9/19

Left In: 8704.485 $\pm$ 4.949 χ^2/NDF :30811.8/1

8128.387 $\pm$ 2.067 χ^2/NDF : 808226.7/18

7207.935 $\pm$ 1.856 χ^2/NDF : 1928785.8/21

asym_atr2_mean vs Slug



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

Left Out: -10945.961 $\pm$ 7291.020 χ^2 /NDF: 0.2/1

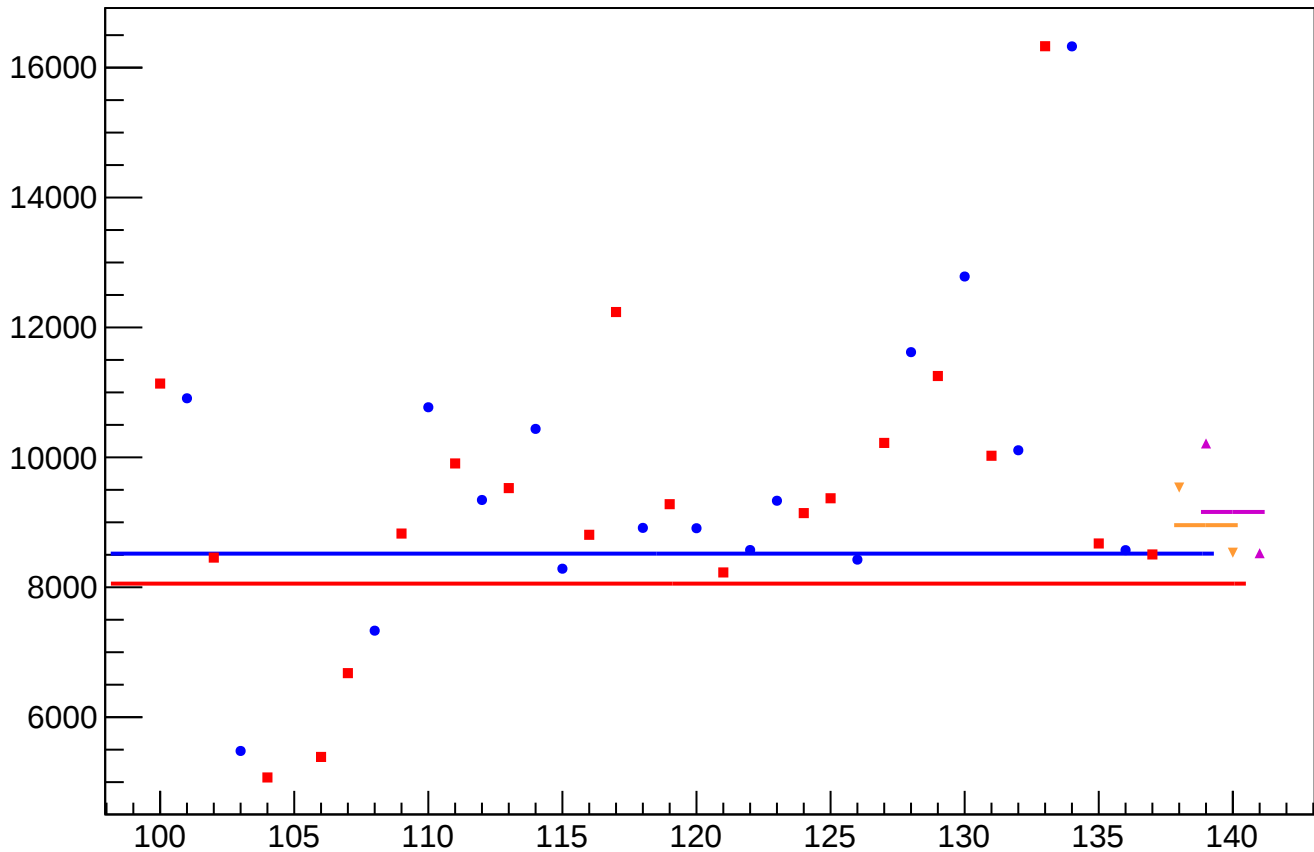
Right Out: -5441.890 $\pm$ 3163.600 χ^2 /NDF: 14.3/19

Left In: -10033.122 $\pm$ 7353.742 χ^2 /NDF: 0.0/1

3800.660 $\pm$ 3088.482 χ^2 /NDF: 20.3/18

-6158.908 $\pm$ 2906.088 χ^2 /NDF: 14.7/21

asym_atr2_rms vs Slug



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

Left Out: 8956.252+/-5.156 χ^2/NDF : 9238.7/1

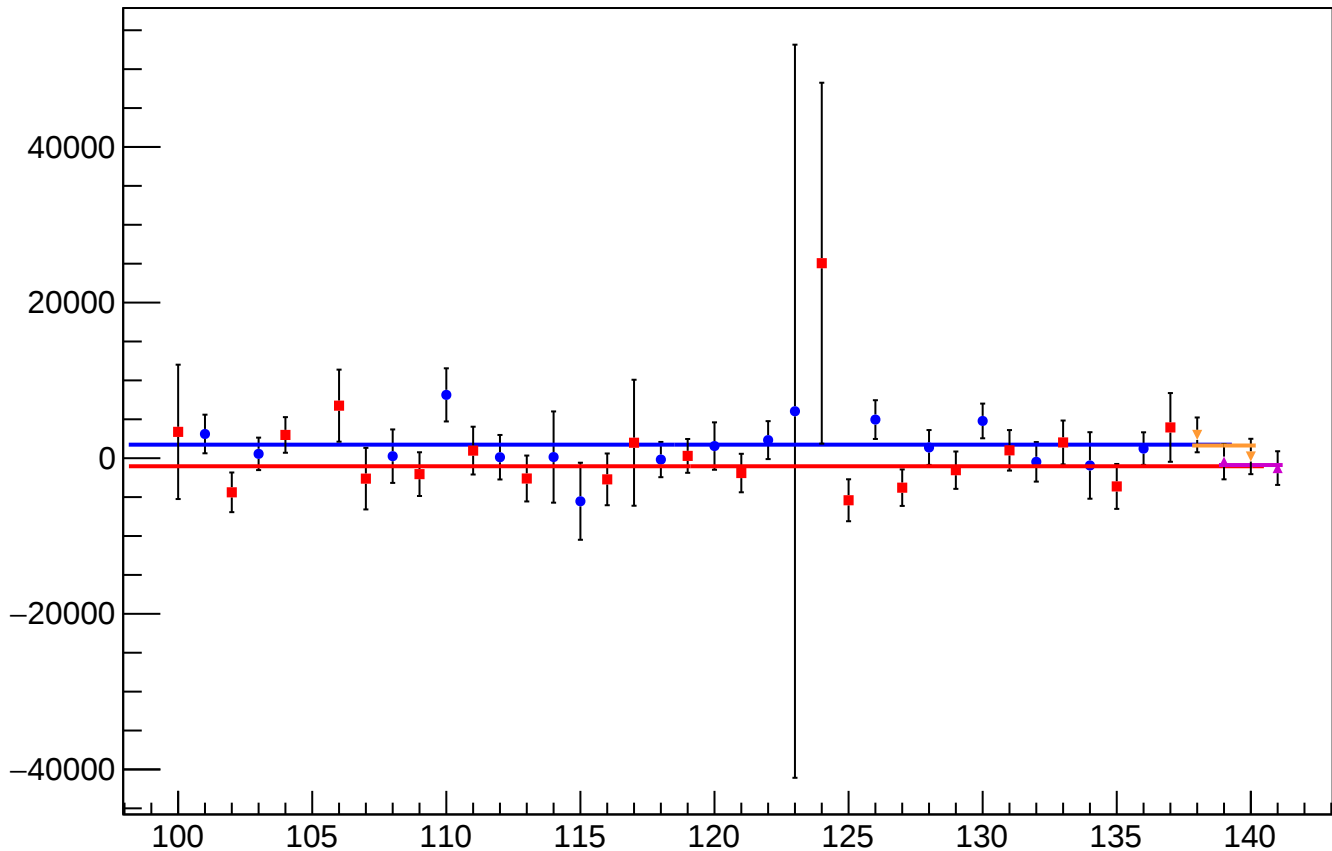
Right Out: 8056.153+/-2.237 χ^2/NDF : 962282.6/19

Left In: 9159.594+/-5.200 χ^2/NDF : 24774.5/1

8596.546+/-2.184 χ^2/NDF : 778452.6/18

8228.468+/-2.055 χ^2/NDF : 1025056.0/21

reg_asym_atl_avg_mean vs Slug



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

Left Out: 1631.644 $\pm$ 1594.231 χ^2 /NDF: 0.8/1

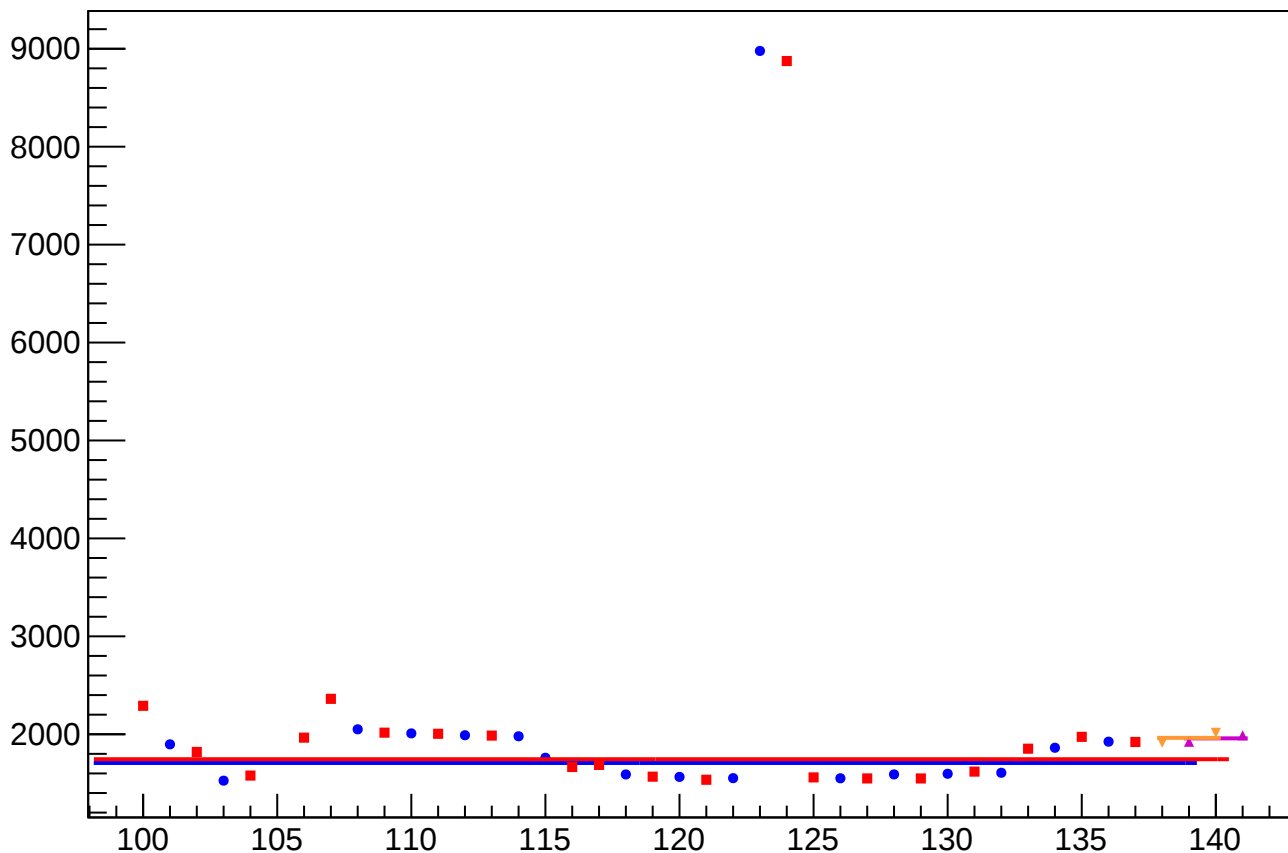
Right Out: -1034.828 $\pm$ 668.692 χ^2 /NDF: 19.0/19

Left In: -877.073 $\pm$ 1566.671 χ^2 /NDF: 0.1/1

1723.413 $\pm$ 617.979 χ^2 /NDF: 13.2/18

-1010.517 $\pm$ 615.013 χ^2 /NDF: 19.1/21

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1963.137+/-1.127 χ^2/NDF : 2027.8/1

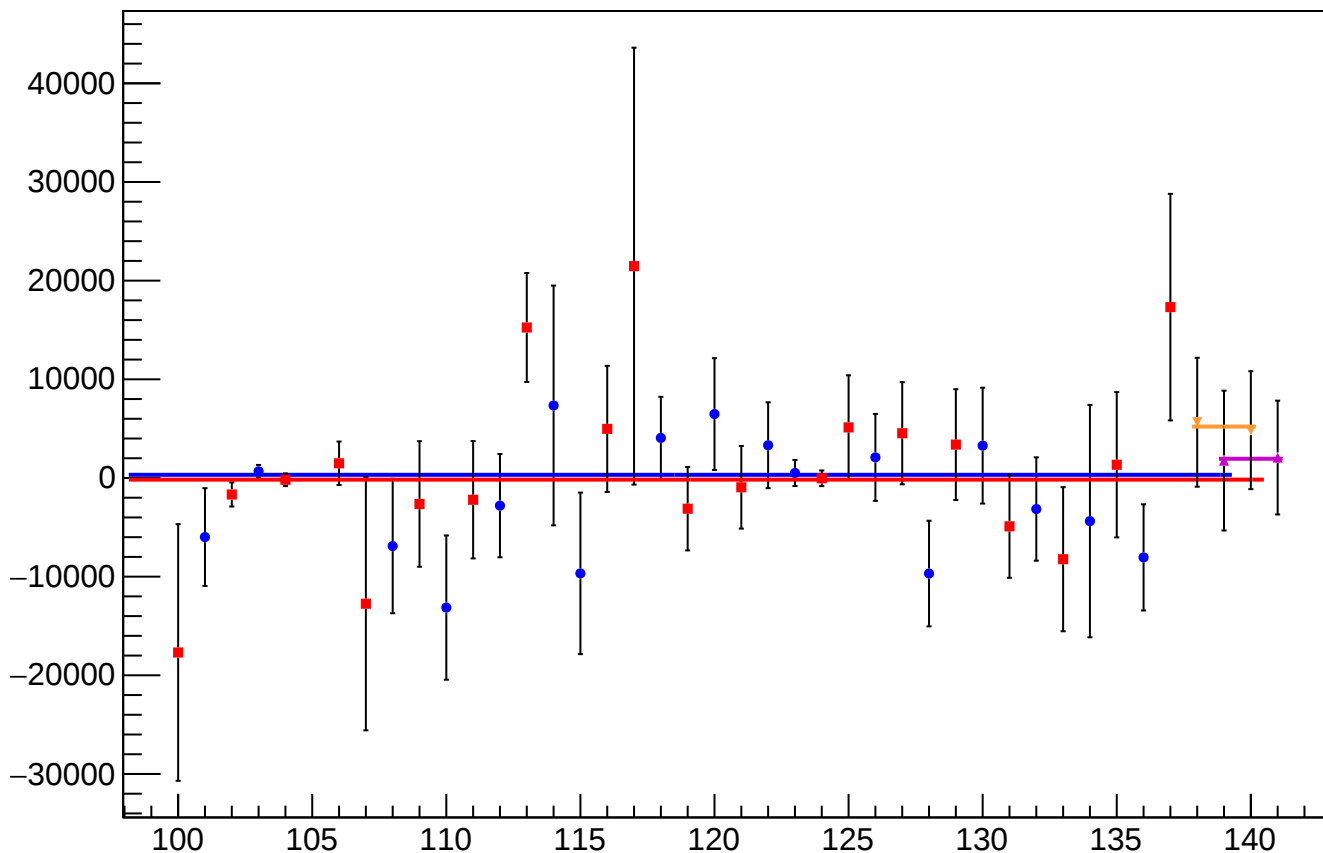
Right Out: 1745.037+/-0.471 χ^2/NDF : 399916.1/19

Left In: 1958.080+/-1.108 χ^2/NDF : 881.6/1

1745.374+/-0.437 χ^2/NDF : 243497.3/18

1777.622+/-0.433 χ^2/NDF : 432124.6/21

asym_atl_avg_correction_mean vs Slug



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

Left Out: 5210.957+/-4410.405 χ^2/NDF : 0.0/1

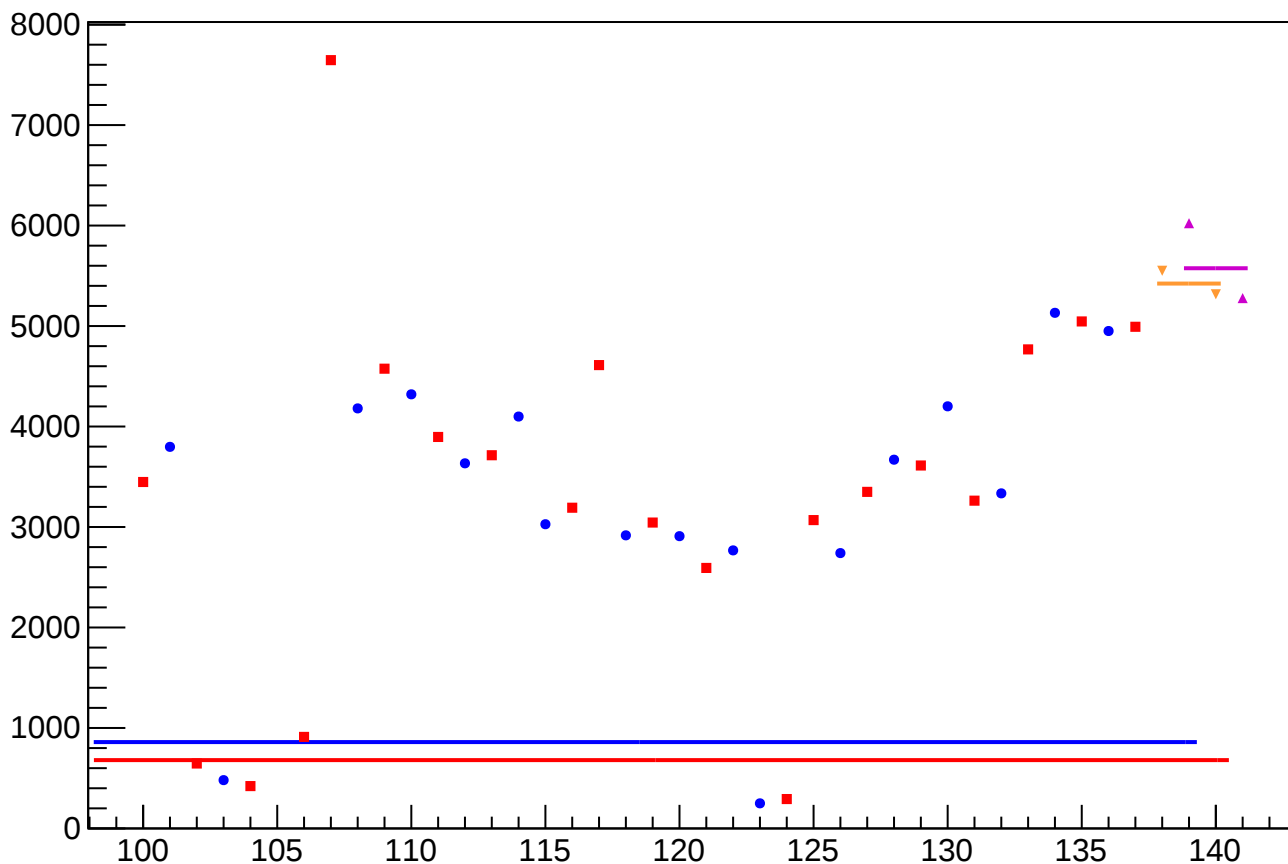
Right Out: -168.343+/-433.469 χ^2/NDF : 21.7/19

Left In: 1946.308+/-4473.144 χ^2/NDF : 0.0/1

393.225+/-536.373 χ^2/NDF : 19.2/18

-148.670+/-431.447 χ^2/NDF : 21.9/21

asym_atl_avg_correction_rms vs Slug



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

Left Out: 5422.650+/-3.119 χ^2/NDF :1398.6/1

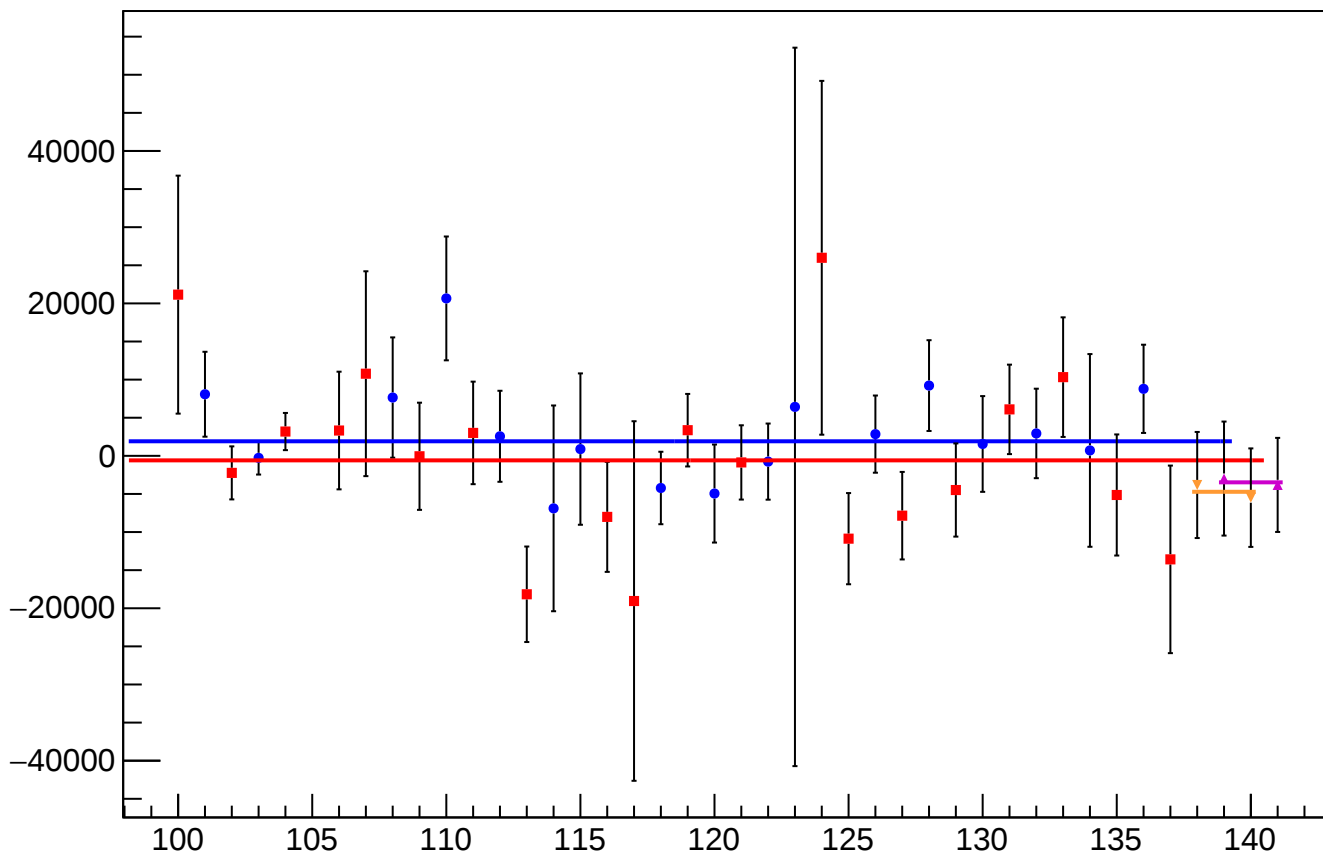
Right Out: 680.110+/-0.307 χ^2/NDF : 8447884.2/19

Left In: 5575.165+/-3.163 χ^2/NDF :13311.5/1

927.046+/-0.379 χ^2/NDF : 10253875.9/18

725.650+/-0.305 χ^2/NDF : 10833990.0/21

asym_atl_avg_mean vs Slug



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

Left Out: -4718.054+/-4735.594 χ^2/NDF : 0.0/1

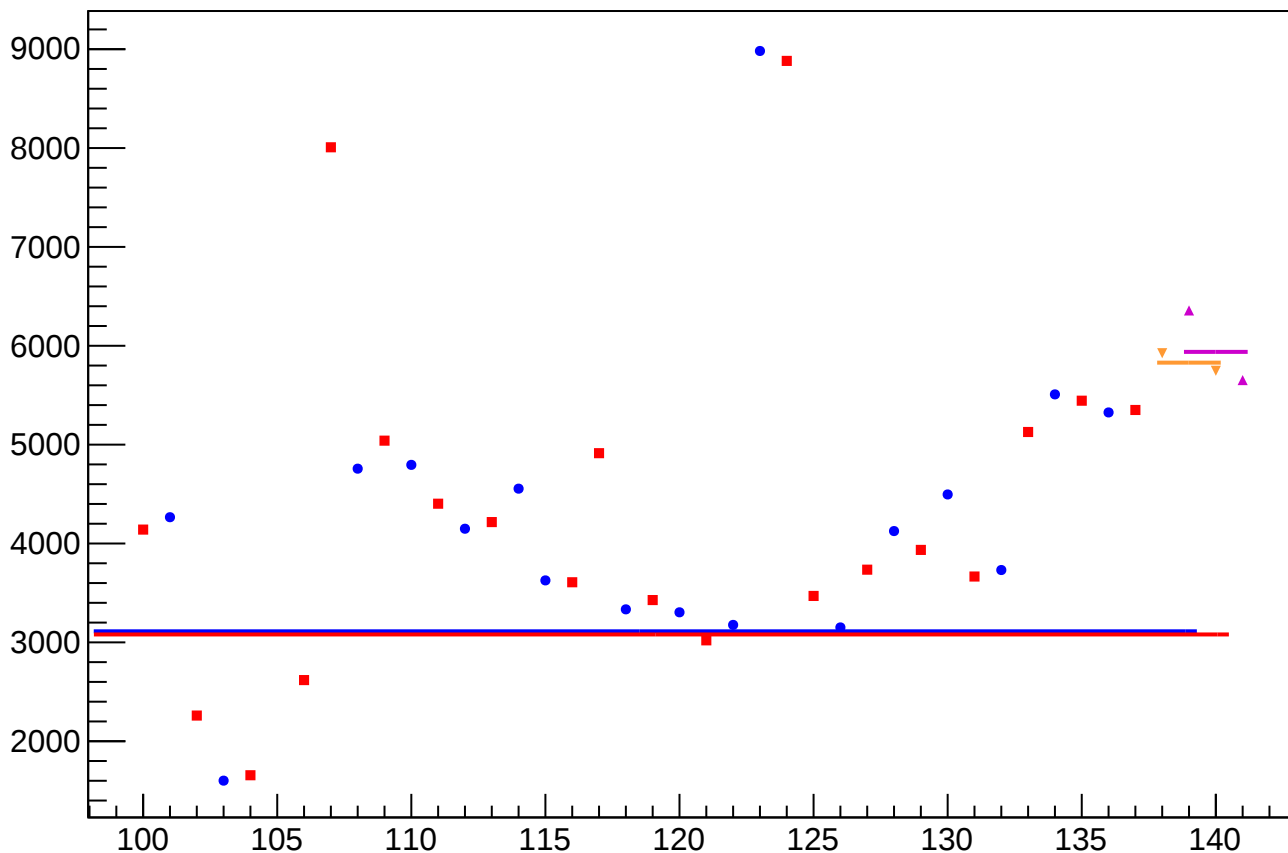
Right Out: -594.380+/-1283.911 χ^2/NDF : 27.0/19

Left In: -3478.069+/-4760.368 χ^2/NDF : 0.0/1

1438.101+/-1262.778 χ^2/NDF : 16.5/18

-789.923+/-1239.616 χ^2/NDF : 27.3/21

asym_atl_avg_rms vs Slug



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

Left Out: 5829.394+/-3.349 χ^2/NDF : 699.0/1

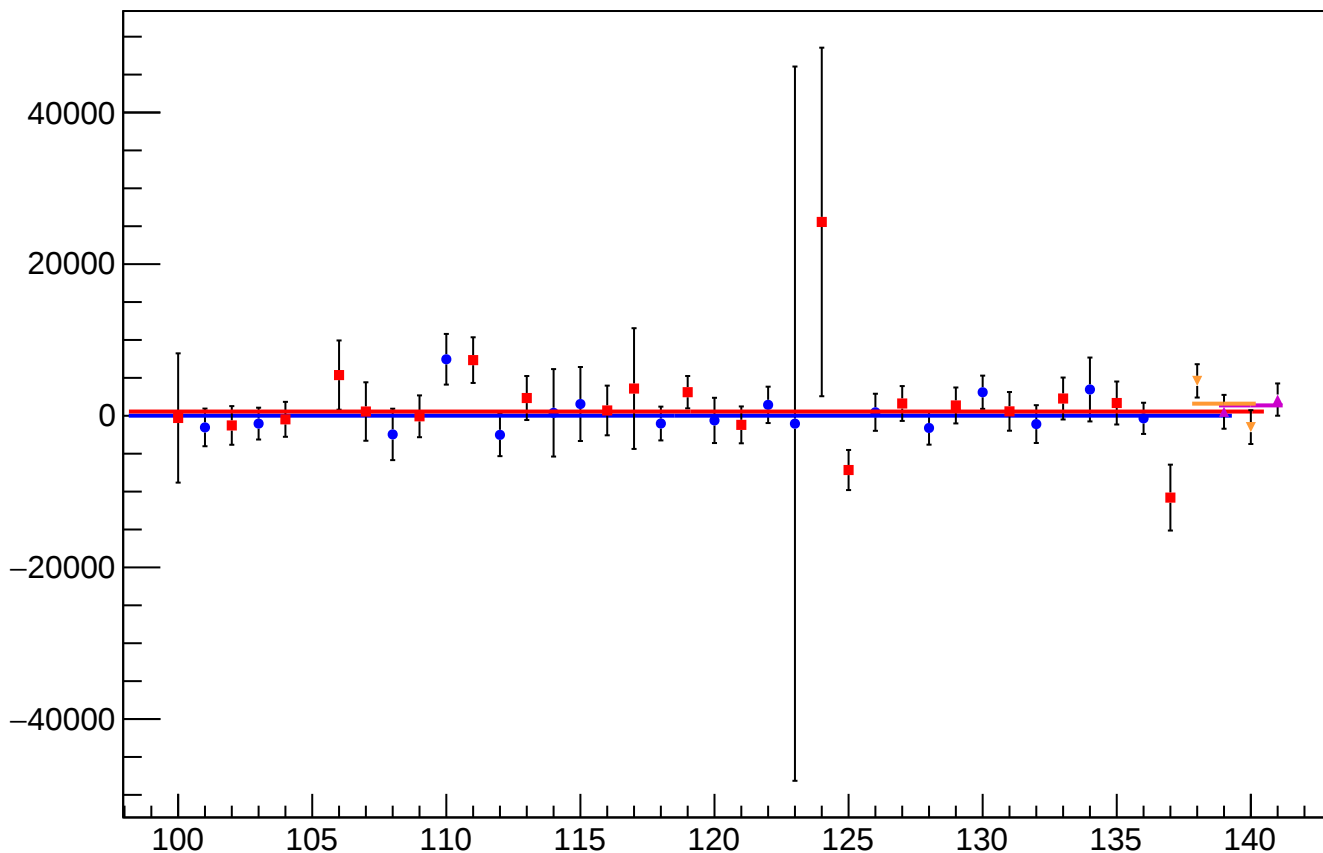
Right Out: 3080.063+/-0.895 χ^2/NDF : 2017746.3/19

Left In: 5938.276+/-3.366 χ^2/NDF : 10554.0/1

3305.058+/-0.893 χ^2/NDF : 2492056.6/18

3268.693+/-0.865 χ^2/NDF : 2701722.1/21

reg_asym_atl_dd_mean vs Slug



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

Left Out: 1599.492+/-1565.998 χ^2/NDF : 3.8/1

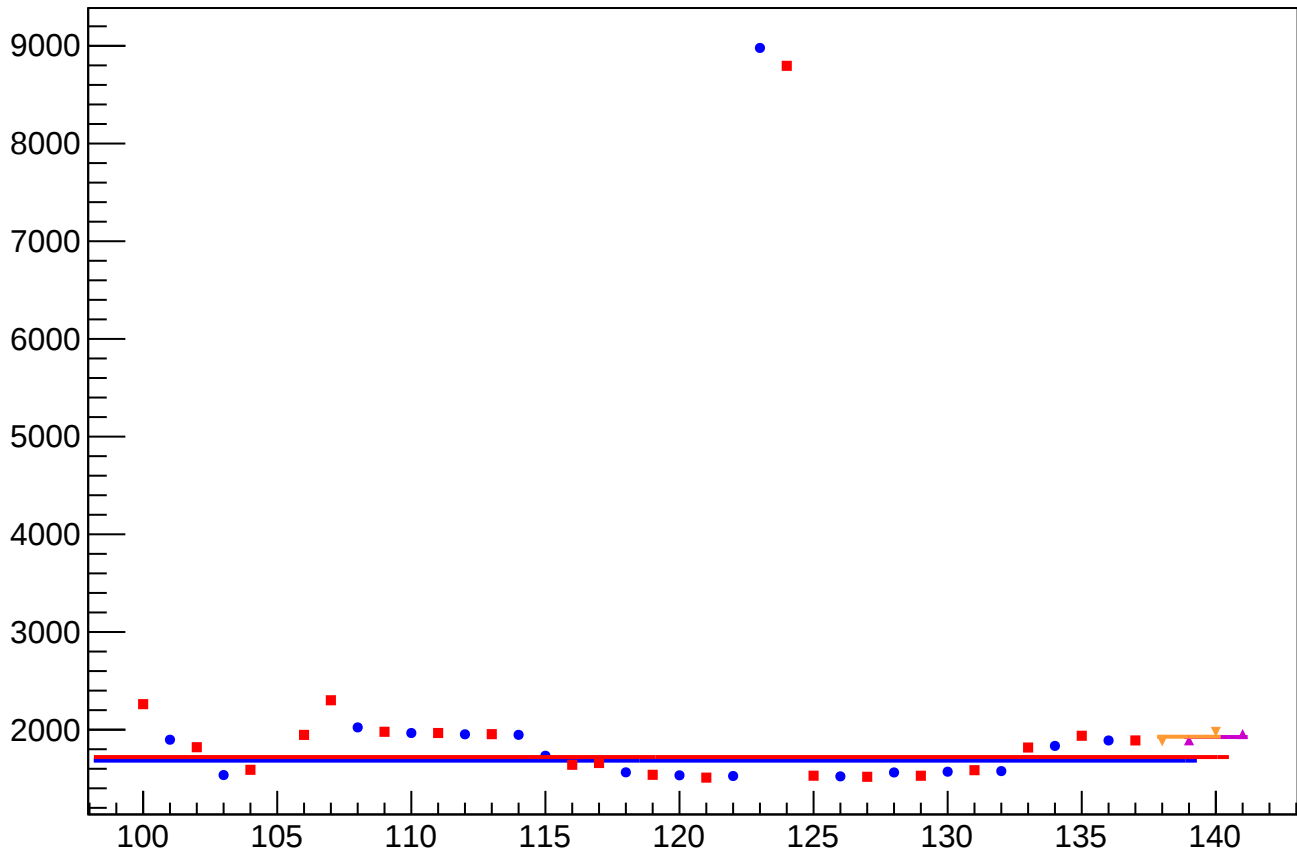
Right Out: 558.377+/-658.875 χ^2/NDF : 26.8/19

Left In: 1368.290+/-1540.118 χ^2/NDF : 0.3/1

253.923+/-609.053 χ^2/NDF : 15.8/18

683.675+/-605.769 χ^2/NDF : 27.3/21

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1928.253+/-1.107 χ^2/NDF :1906.8/1

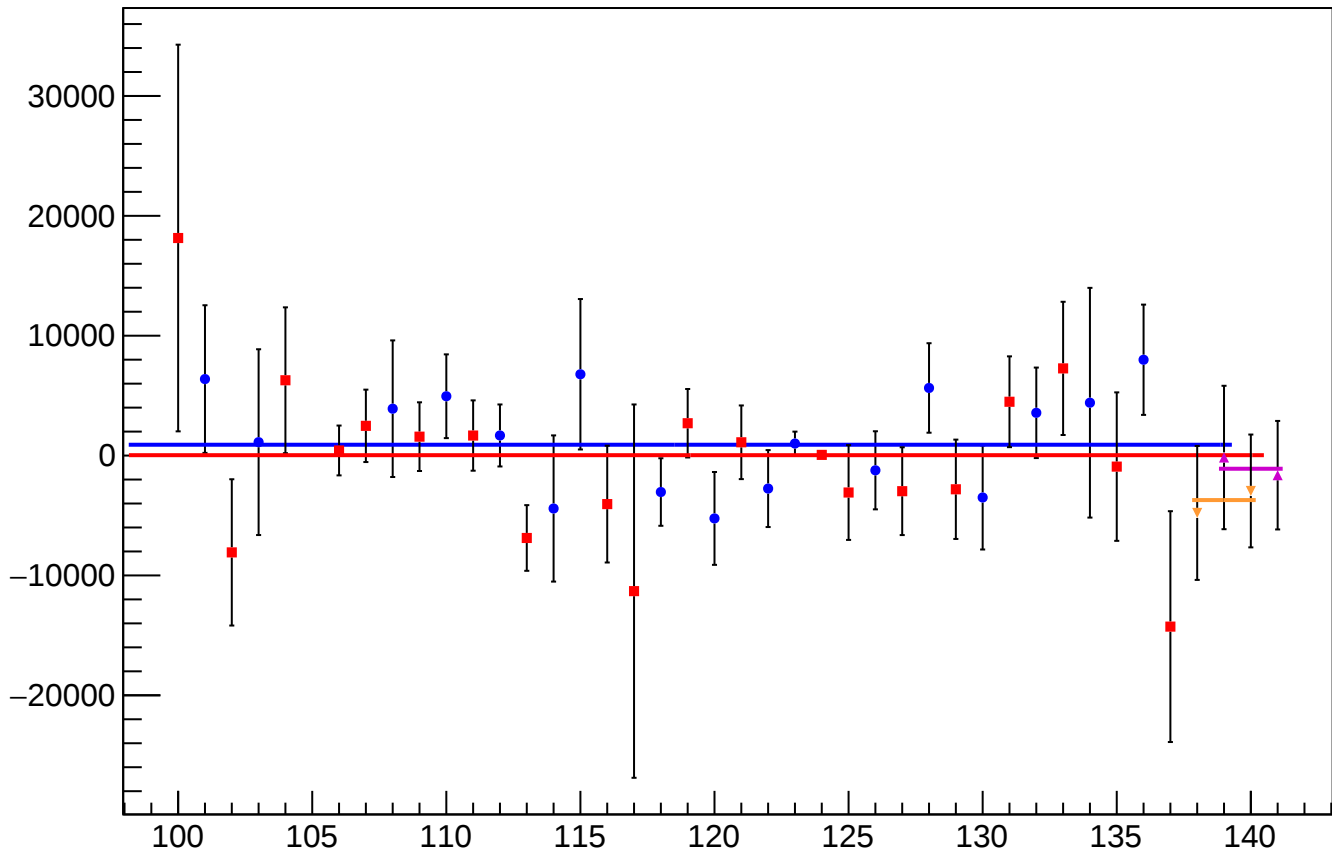
Right Out: 1719.963+/-0.464 χ^2/NDF : 396217.5/19

Left In: 1925.028+/-1.089 χ^2/NDF :860.0/1

1720.317+/-0.431 χ^2/NDF : 239346.9/18

1751.458+/-0.427 χ^2/NDF : 427089.2/21

asym_atl_dd_correction_mean vs Slug



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

Left Out: -3713.116+/-3599.890 χ^2/NDF : 0.1/1

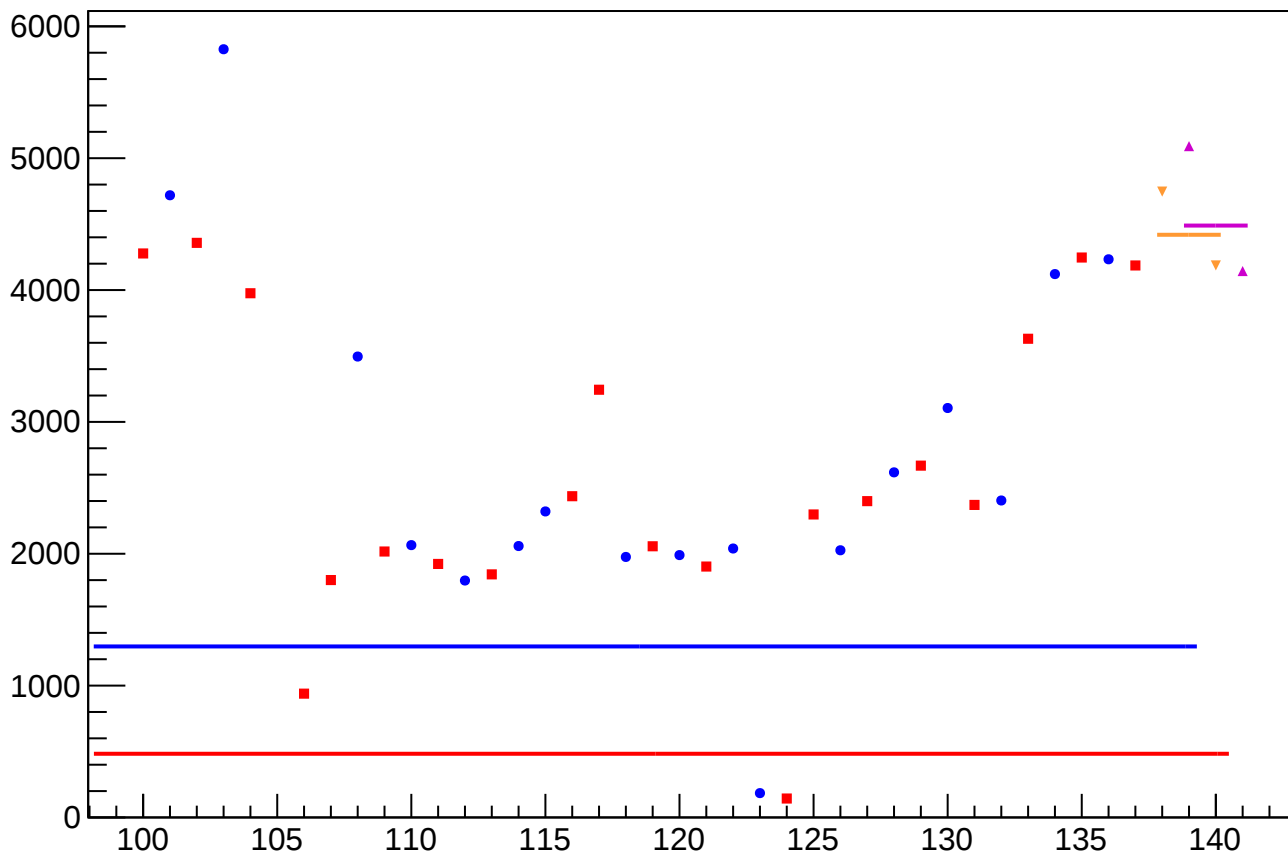
Right Out: 32.177+/-357.083 χ^2/NDF : 21.0/19

Left In: -1099.372+/-3609.667 χ^2/NDF : 0.0/1

732.565+/-692.391 χ^2/NDF : 17.6/18

21.211+/-355.348 χ^2/NDF : 21.2/21

asym_atl_dd_correction_rms vs Slug



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

Left Out: 4419.204+/-2.546 χ^2/NDF :11750.0/1

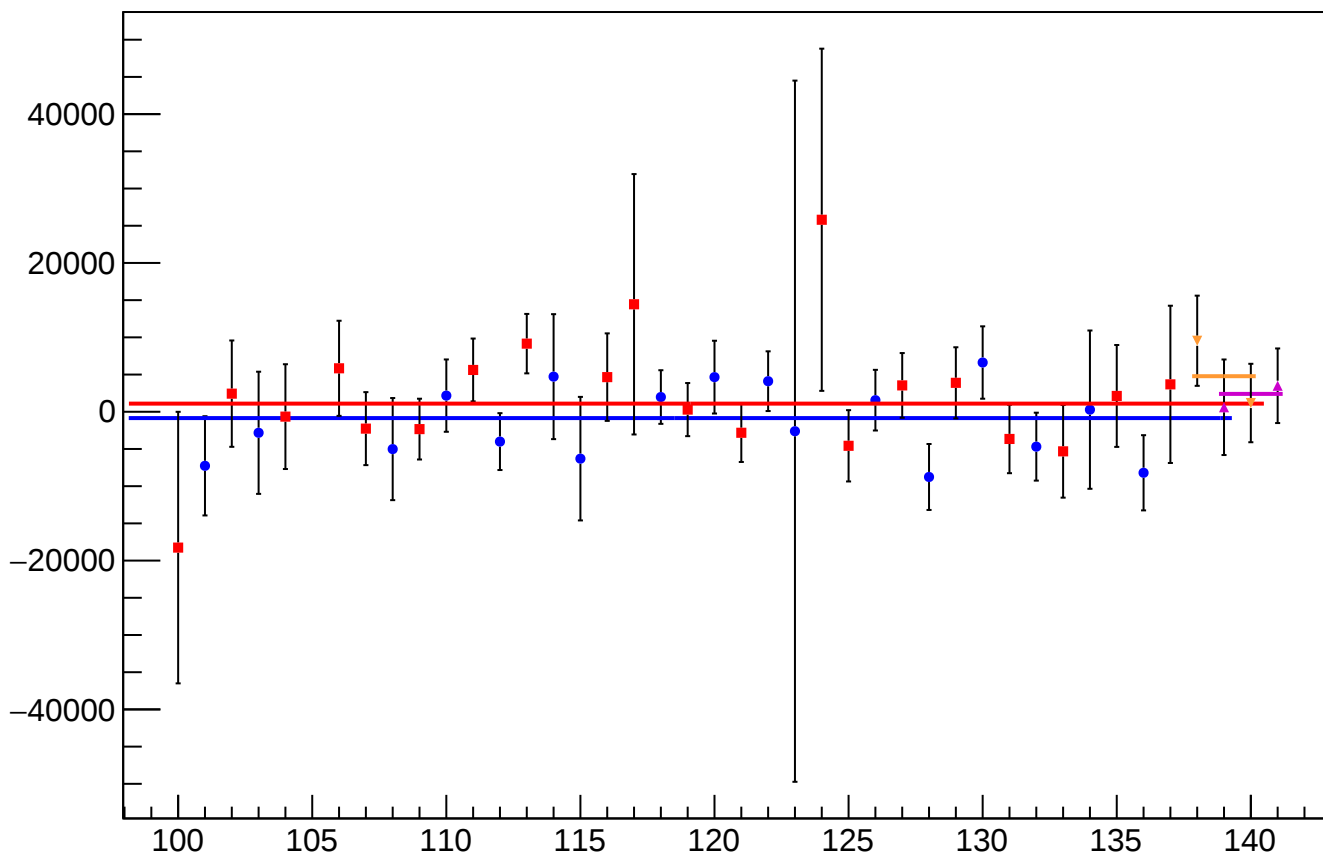
Right Out: 483.029+/-0.252 χ^2/NDF : 10207063.0/19

Left In: 4489.077+/-2.552 χ^2/NDF :31894.3/1

1412.505+/-0.490 χ^2/NDF : 7970137.2/18

521.852+/-0.251 χ^2/NDF : 12678444.6/21

asym_atl_dd_mean vs Slug



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

Left Out: 4779.829+/-3976.885 χ^2/NDF : 1.1/1

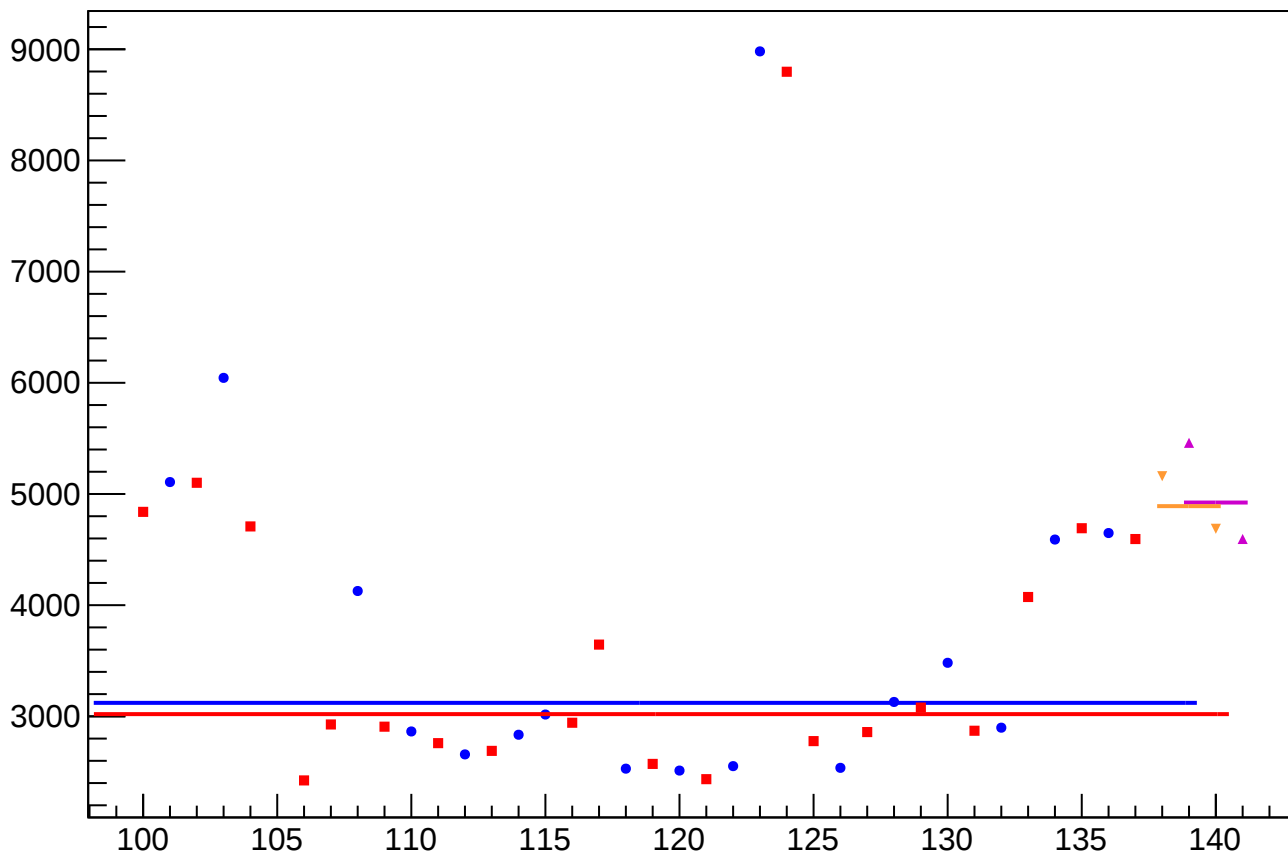
Right Out: 1095.033+/-1187.966 χ^2/NDF : 15.6/19

Left In: 2401.294+/-3951.254 χ^2/NDF : 0.1/1

-335.091+/-1202.043 χ^2/NDF : 18.3/18

1203.322+/-1137.660 χ^2/NDF : 15.8/21

asym_atl_dd_rms vs Slug



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

Left Out: 4890.669+/-2.812 χ^2/NDF : 6932.8/1

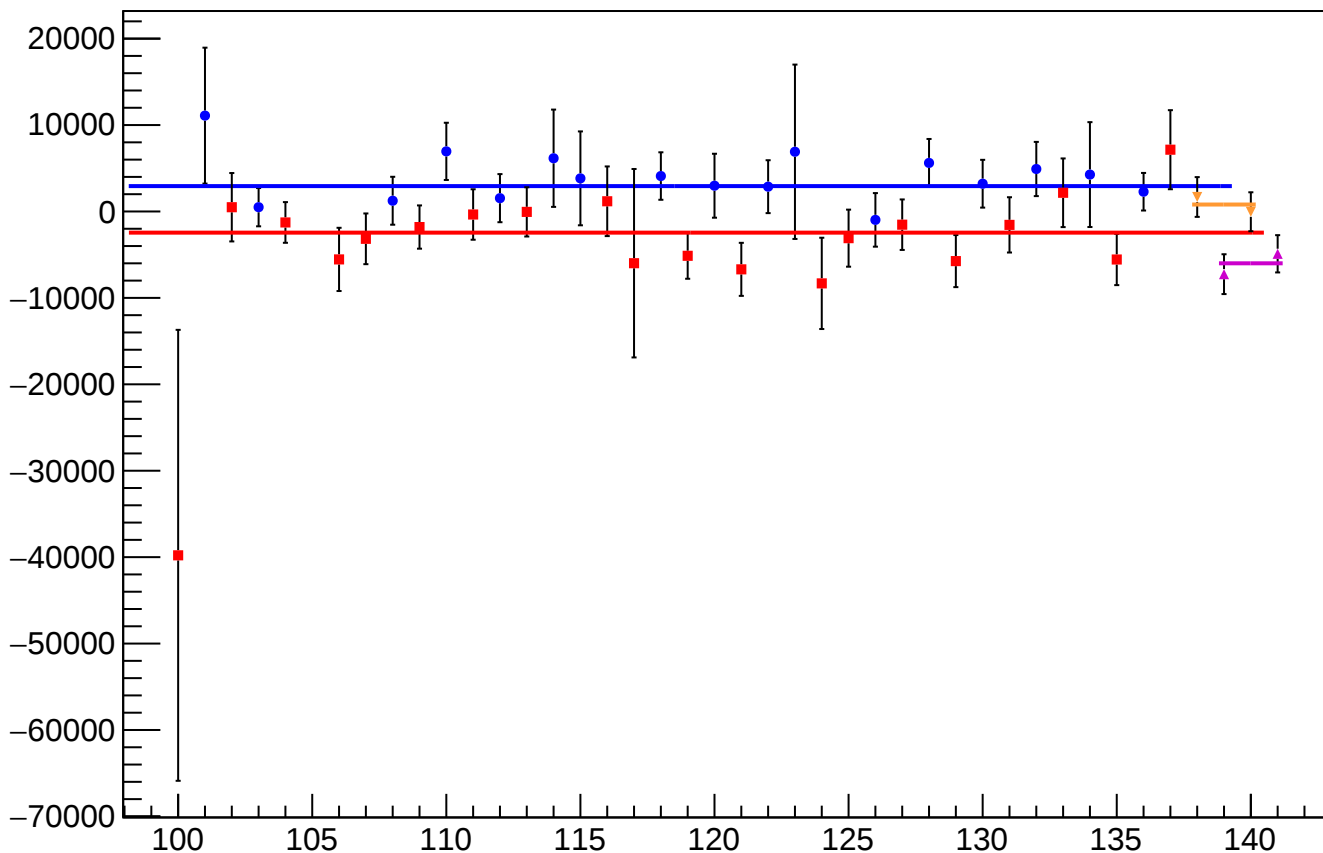
Right Out: 3020.039+/-0.830 χ^2/NDF : 794563.8/19

Left In: 4923.108+/-2.794 χ^2/NDF : 22548.7/1

3283.053+/-0.850 χ^2/NDF : 1312320.8/18

3174.234+/-0.795 χ^2/NDF : 1243469.2/21

reg_asym_atr_avg_mean vs Slug



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

Left Out: 803.672+/-1610.151 χ^2/NDF : 0.3/1

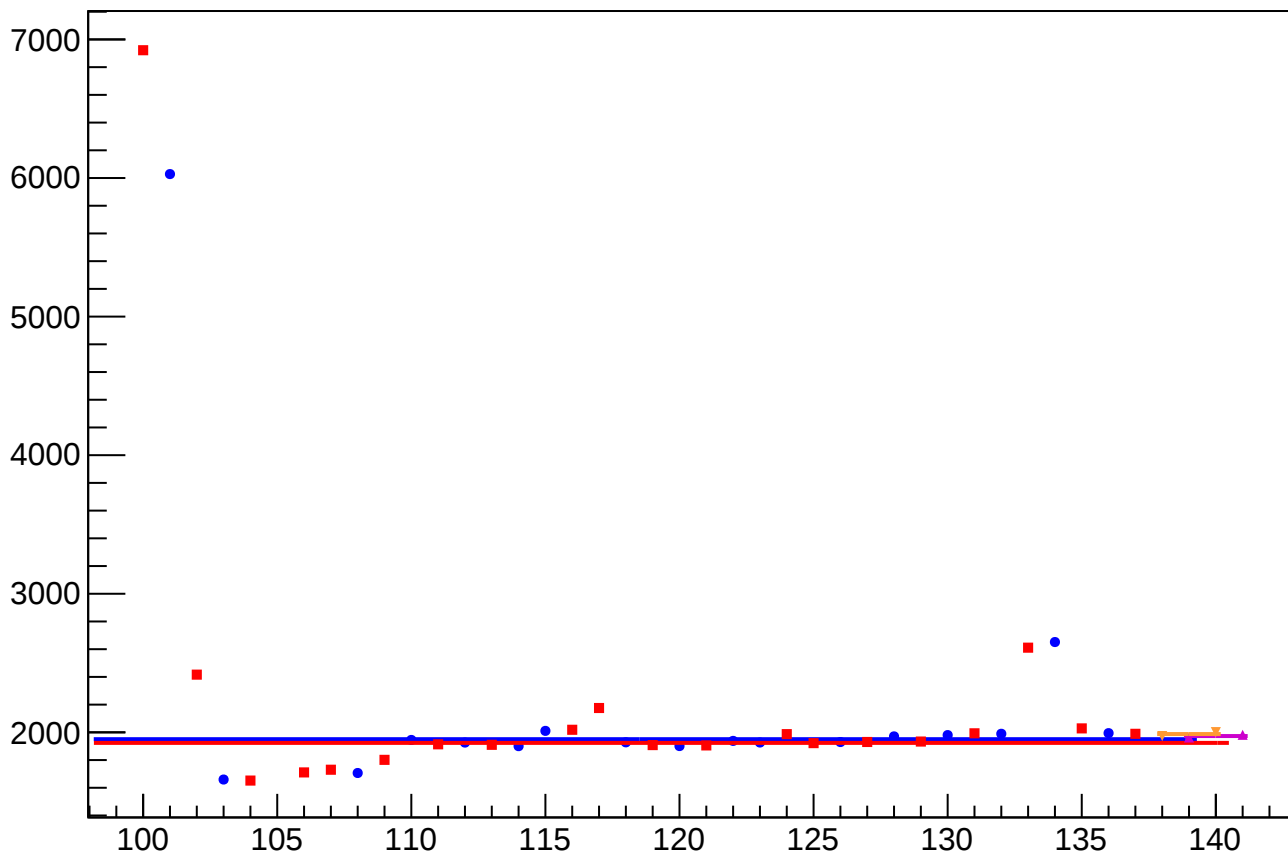
Right Out: -2449.072+/-738.715 χ^2/NDF : 18.3/19

Left In: -5998.288+/-1574.541 χ^2/NDF : 0.6/1

2534.474+/-698.587 χ^2/NDF : 9.9/18

-3089.364+/-668.770 χ^2/NDF : 23.0/21

reg_asym_atr_avg_rms vs Slug



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

Left Out: 1987.610+/-1.139 χ^2/NDF :155.4/1

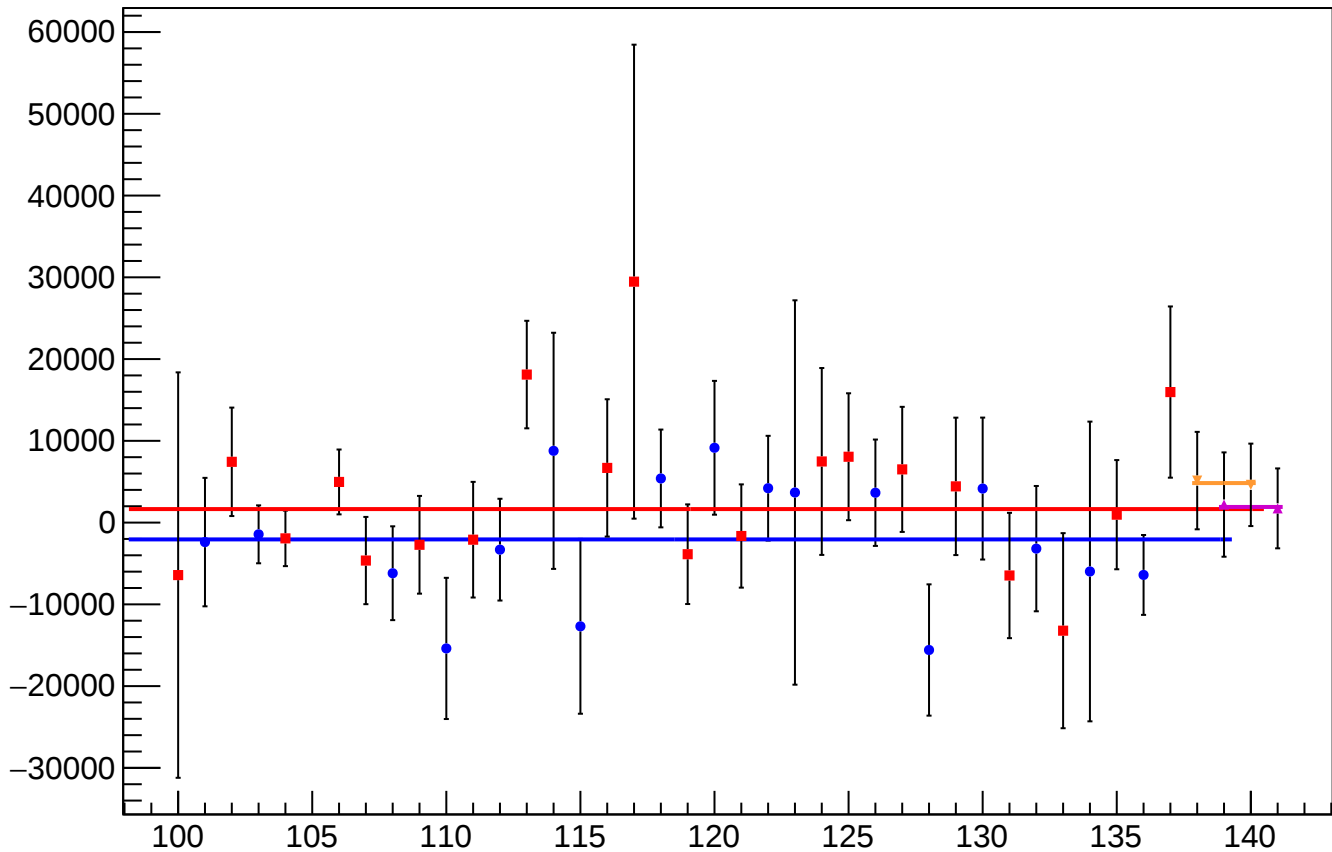
Right Out: 1923.907+/-0.521 χ^2/NDF : 218470.6/19

Left In: 1973.255+/-1.113 χ^2/NDF :74.4/1

1957.579+/-0.494 χ^2/NDF : 618344.6/18

1932.776+/-0.472 χ^2/NDF : 220156.4/21

asym_atr_avg_correction_mean vs Slug



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

Left Out: 4834.460+/-3848.755 χ^2/NDF : 0.0/1

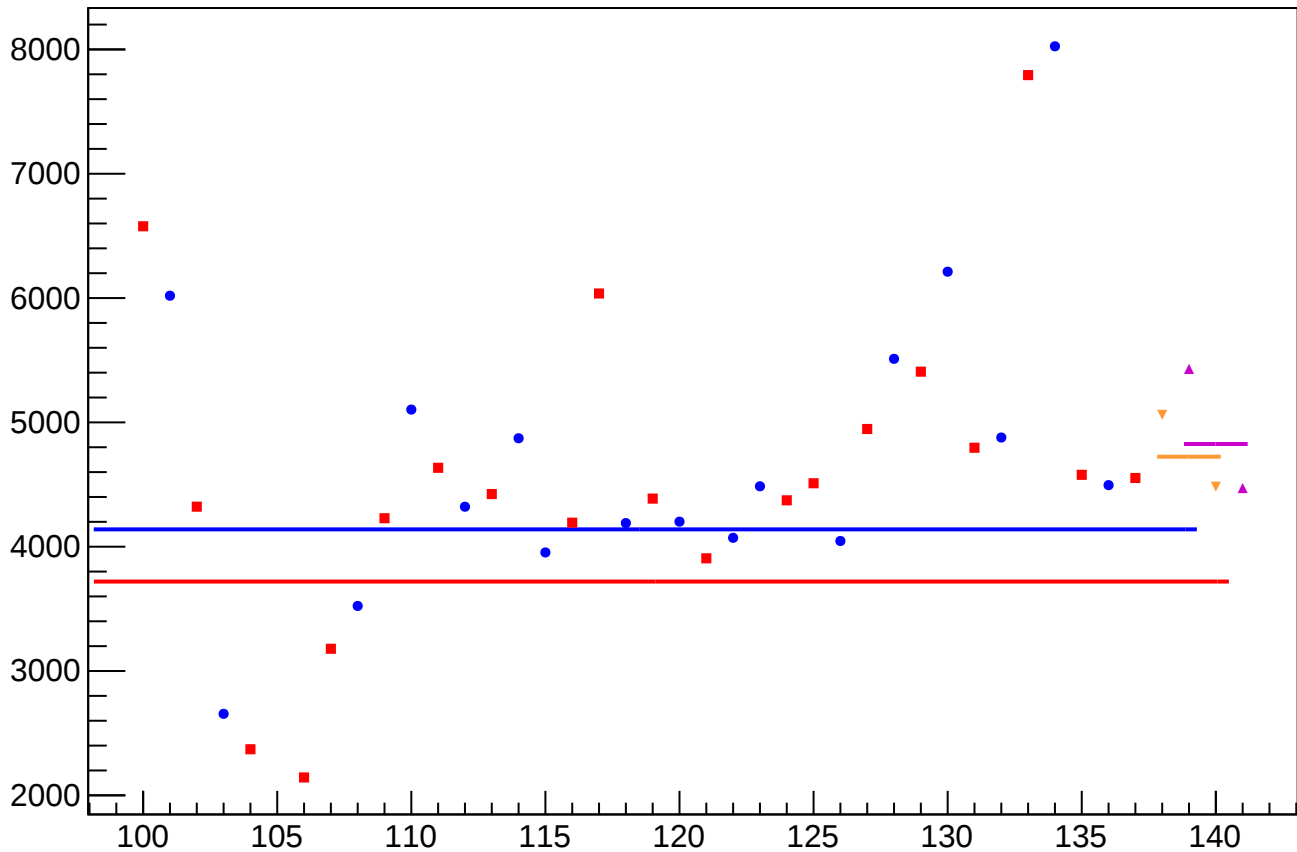
Right Out: 1652.978+/-1475.490 χ^2/NDF : 19.5/19

Left In: 1912.420+/-3879.599 χ^2/NDF : 0.0/1

-974.794+/-1525.101 χ^2/NDF : 16.7/18

1685.763+/-1379.117 χ^2/NDF : 19.5/21

asym_atr_avg_correction_rms vs Slug



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

Left Out: 4723.875+/-2.721 χ^2/NDF : 10967.7/1

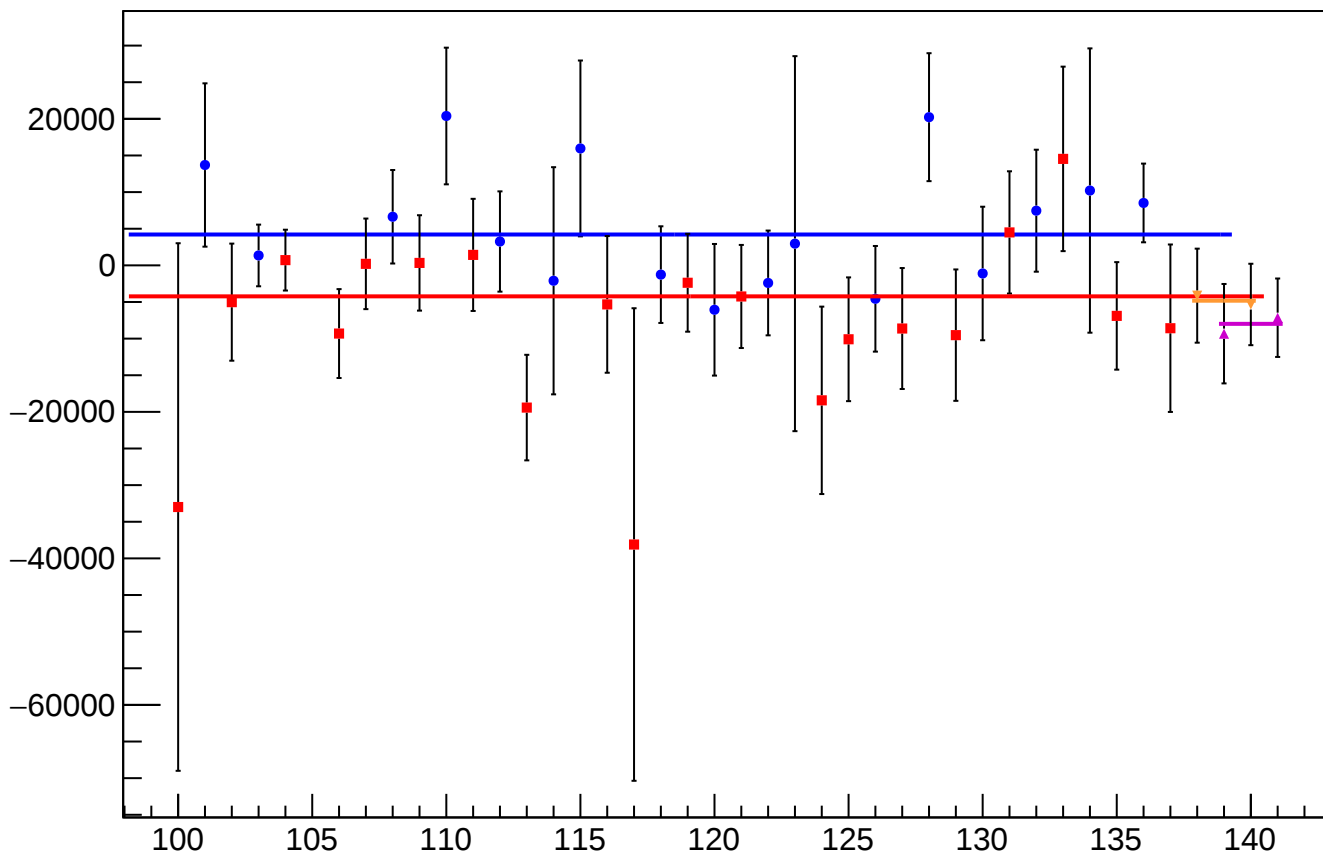
4231.169+/-1.078 χ^2/NDF : 863400.3/18

Right Out: 3719.546+/-1.043 χ^2/NDF : 1288644.4/19

3859.398+/-0.975 χ^2/NDF : 1459281.4/21

Left In: 4826.272+/-2.743 χ^2/NDF : 28447.9/1

asym_atr_avg_mean vs Slug



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

Left Out: -4823.428+/-4201.137 χ^2/NDF : 0.0/1

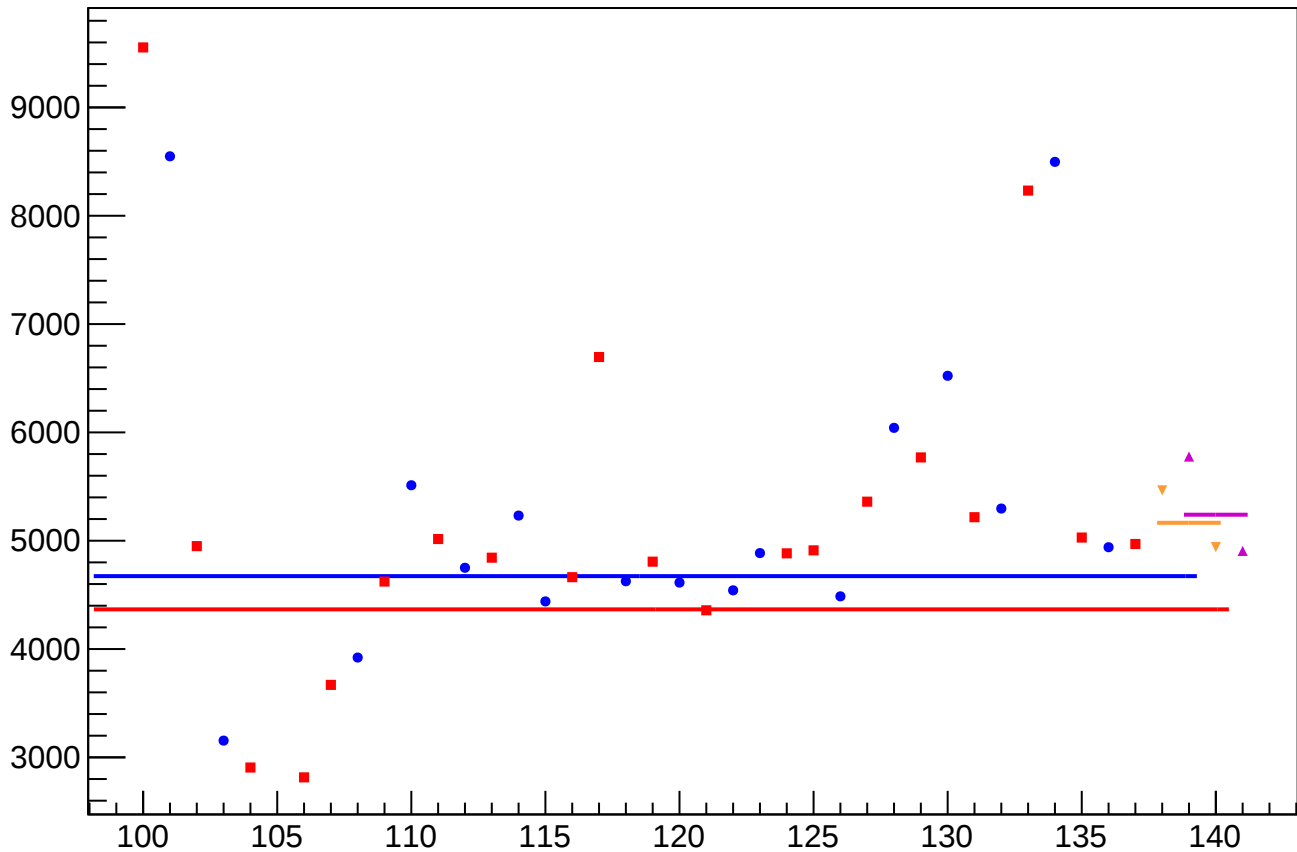
Right Out: -4230.596+/-1722.878 χ^2/NDF : 15.9/19

Left In: -7984.545+/-4203.420 χ^2/NDF : 0.1/1

2715.979+/-1709.394 χ^2/NDF : 18.3/18

-4770.541+/-1594.166 χ^2/NDF : 16.6/21

asym_atr_avg_rms vs Slug



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

Left Out: 5165.566 ± 2.971 χ^2/NDF : 7623.0/1

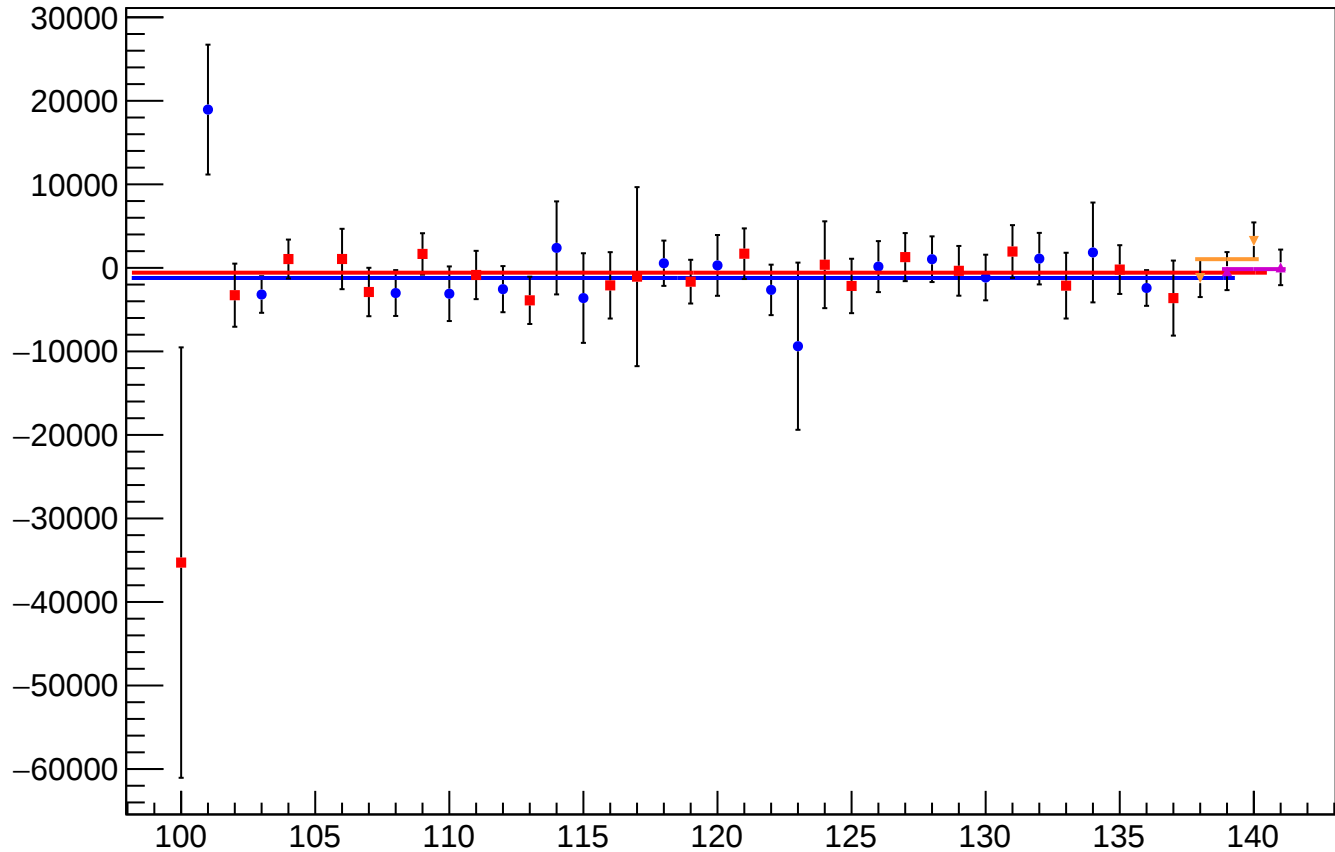
Right Out: 4366.422 ± 1.211 χ^2/NDF : 842654.3/19

Left In: 5240.115 ± 2.972 χ^2/NDF : 20327.4/1

4754.586 ± 1.209 χ^2/NDF : 807881.3/18

4490.851 ± 1.122 χ^2/NDF : 937081.5/21

reg_asym_atr_dd_mean vs Slug



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

Left Out: 1041.259 ± 1588.964 χ^2/NDF : 2.0/1

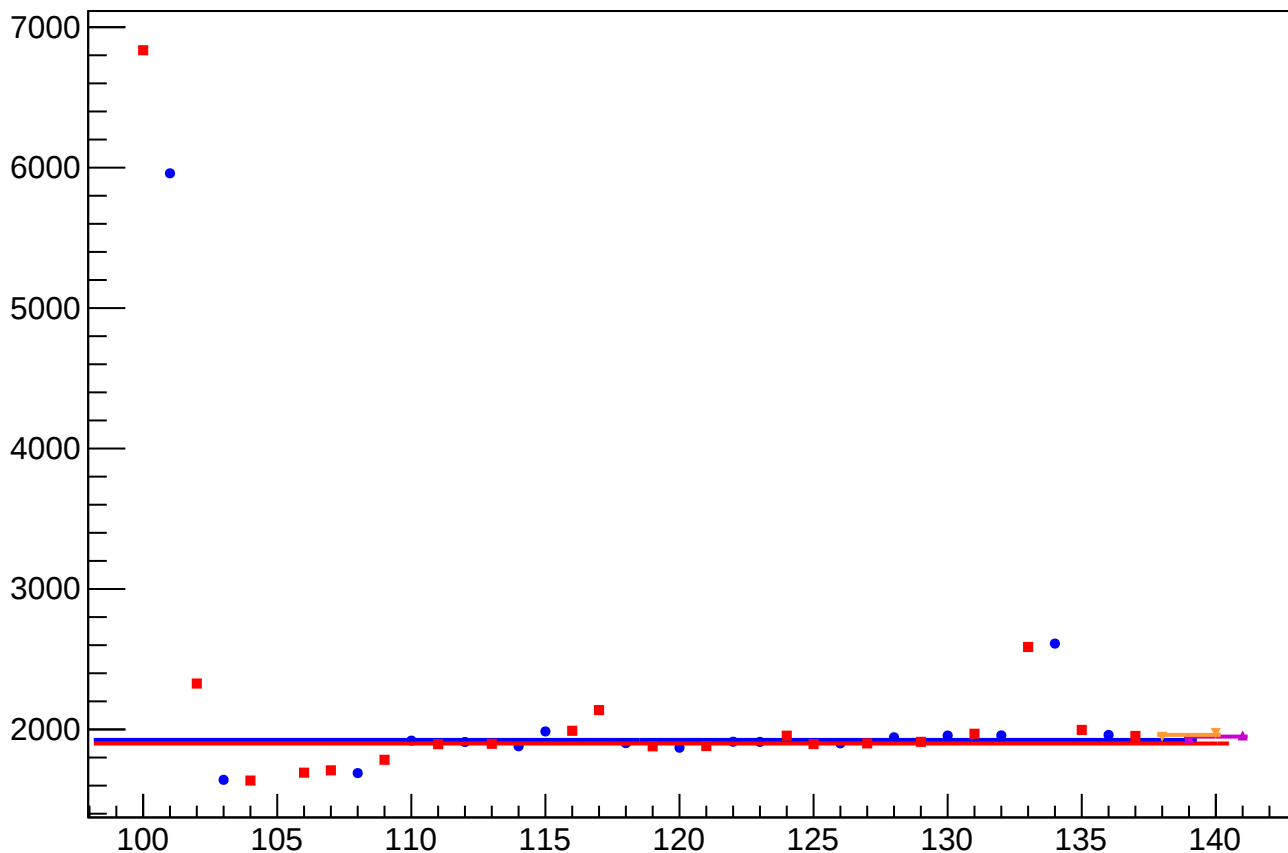
Right Out: -575.663 ± 728.976 χ^2/NDF : 8.7/19

Left In: -148.399 ± 1555.129 χ^2/NDF : 0.0/1

-787.063 ± 689.491 χ^2/NDF : 16.2/18

-498.692 ± 660.056 χ^2/NDF : 8.8/21

reg_asym_atr_dd_rms vs Slug



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

Left Out: 1961.355+/-1.124 χ^2/NDF :151.4/1

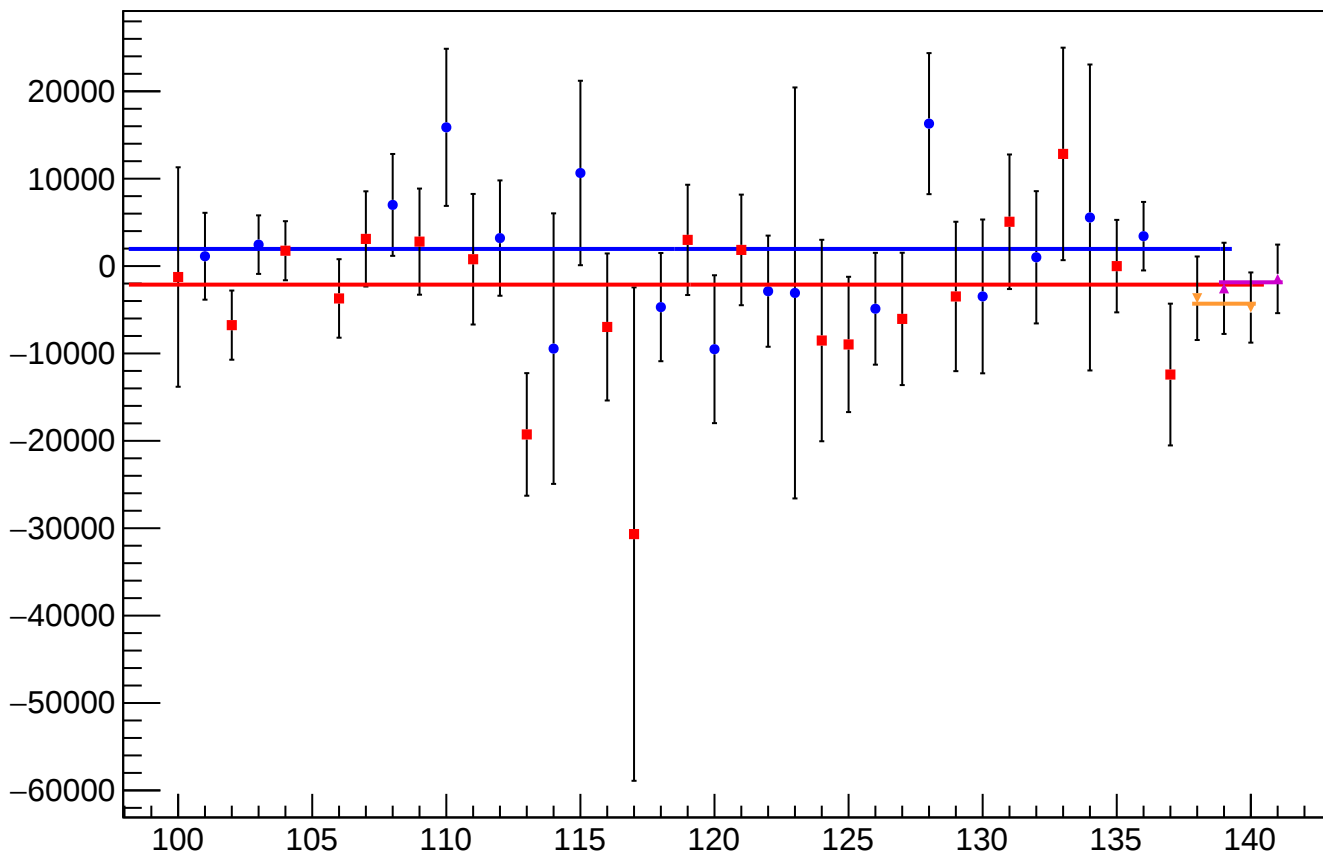
Right Out: 1899.955+/-0.514 χ^2/NDF : 211865.1/19

Left In: 1948.986+/-1.100 χ^2/NDF :65.1/1

1932.105+/-0.488 χ^2/NDF : 616849.9/18

1908.755+/-0.466 χ^2/NDF : 213561.5/21

asym_atr_dd_correction_mean vs Slug



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

Left Out: -4306.292 ± 3074.976 χ^2/NDF : 0.0/1

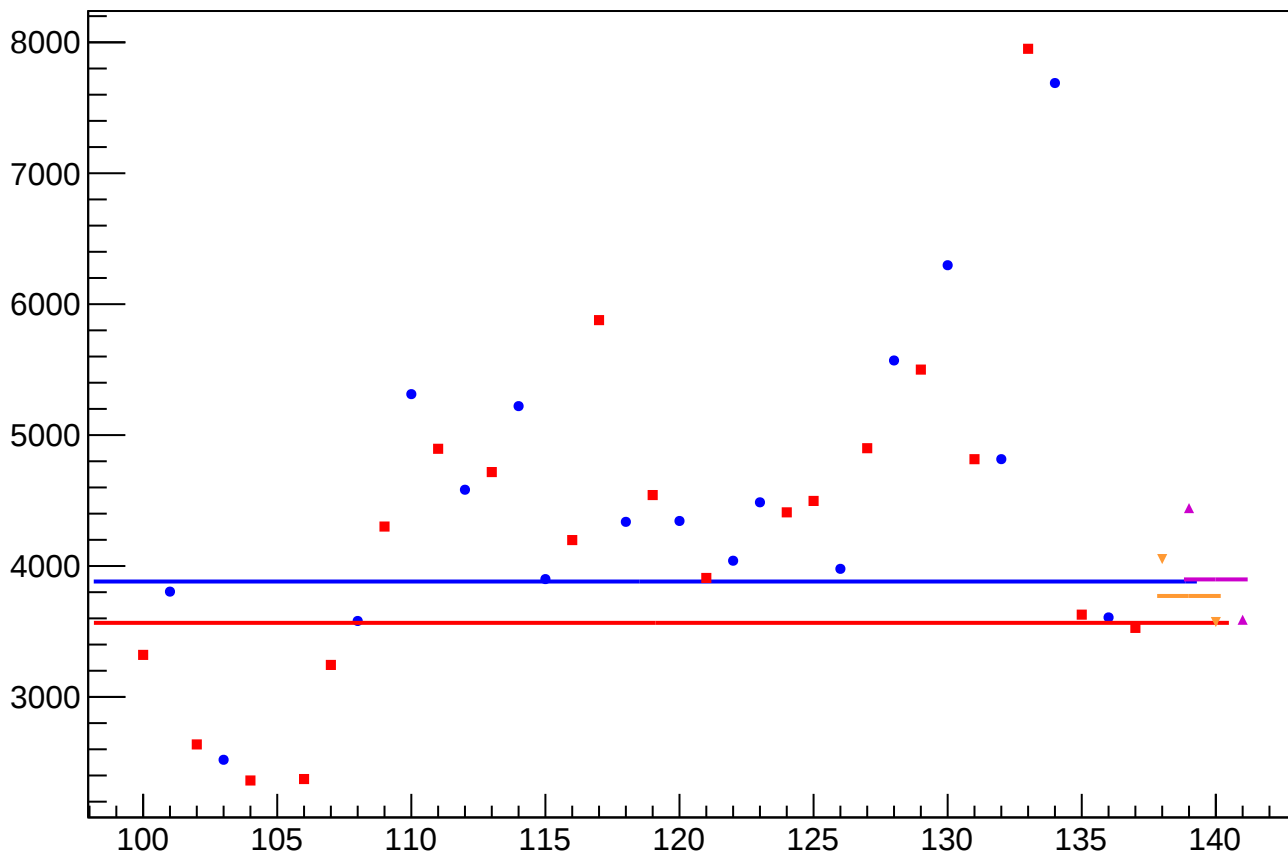
Right Out: -2124.415 ± 1411.872 χ^2/NDF : 18.5/19

Left In: -1857.379 ± 3135.185 χ^2/NDF : 0.0/1

680.723 ± 1388.966 χ^2/NDF : 16.3/18

-2079.391 ± 1287.357 χ^2/NDF : 18.5/21

asym_atr_dd_correction_rms vs Slug



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

Left Out: 3771.211+/-2.174 χ^2/NDF : 11867.7/1

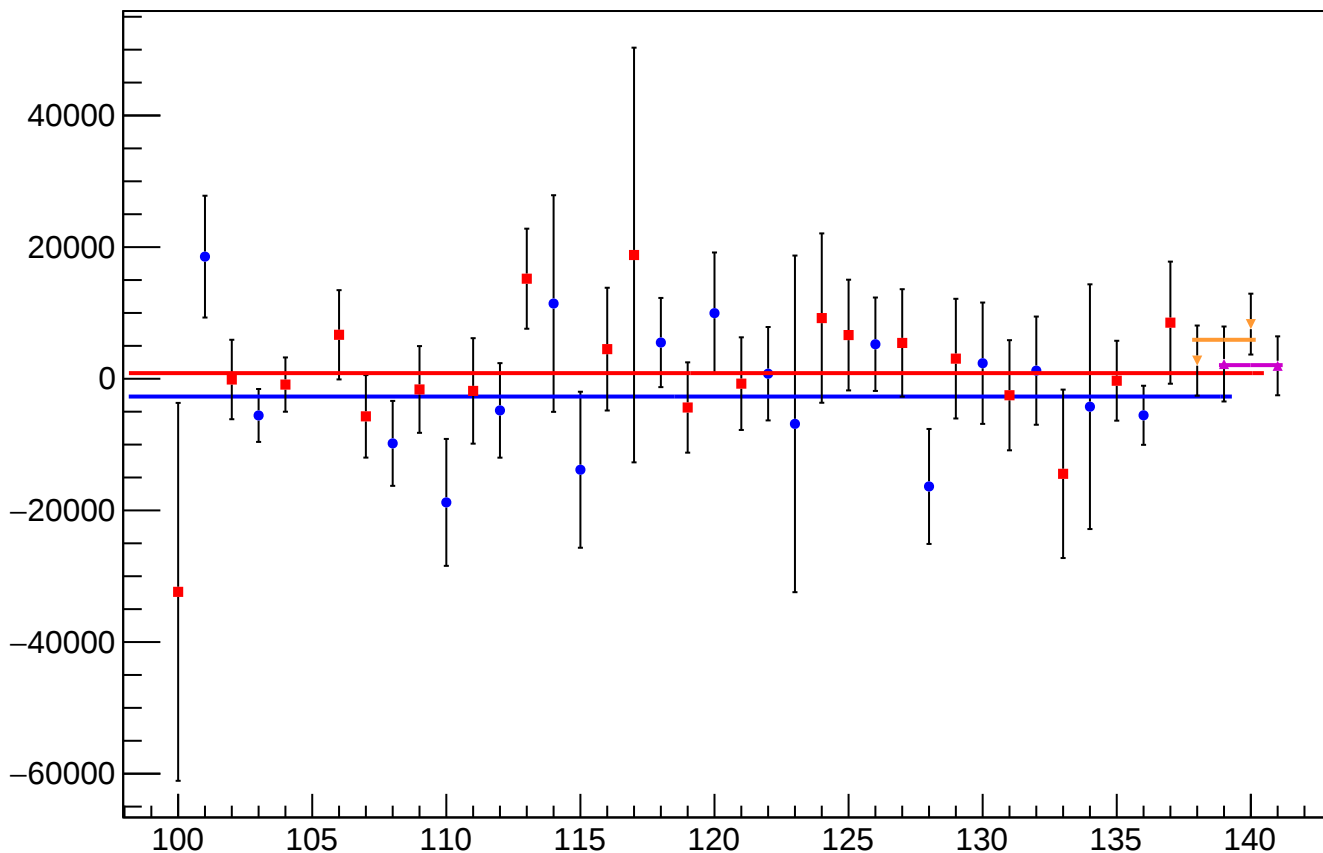
Right Out: 3565.851+/-0.998 χ^2/NDF : 1254973.6/19

Left In: 3897.638+/-2.217 χ^2/NDF : 34135.2/1

3859.059+/-0.982 χ^2/NDF : 831385.1/18

3621.792+/-0.910 χ^2/NDF : 1307731.0/21

asym_atr_dd_mean vs Slug



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

Left Out: 5921.795+/-3492.697 χ^2/NDF : 0.6/1

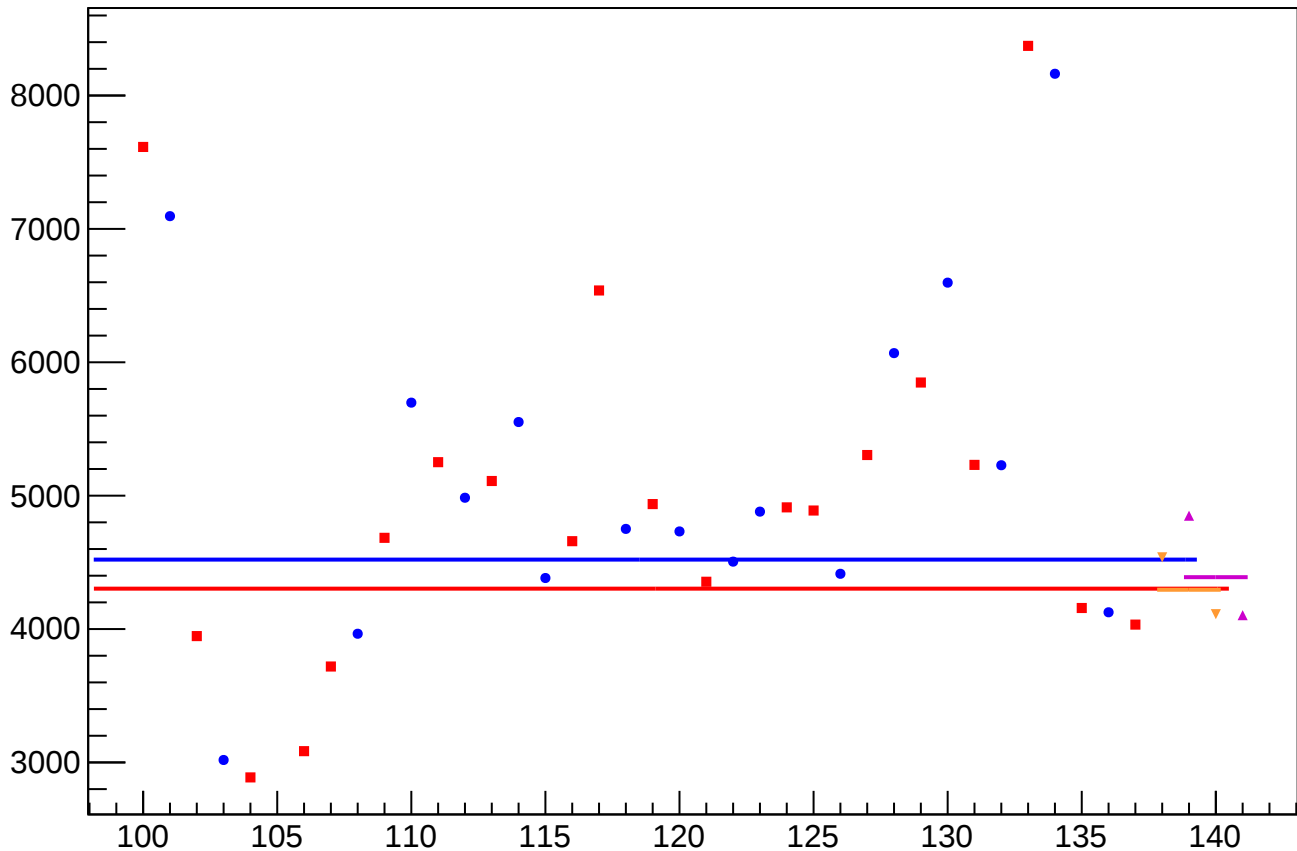
Right Out: 857.617+/-1687.925 χ^2/NDF : 11.9/19

Left In: 2073.911+/-3519.429 χ^2/NDF : 0.0/1

-876.802+/-1606.368 χ^2/NDF : 25.2/18

1085.069+/-1521.940 χ^2/NDF : 12.0/21

asym_atr_dd_rms vs Slug



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

Left Out: 4294.585+/-2.470 χ^2/NDF : 7300.2/1

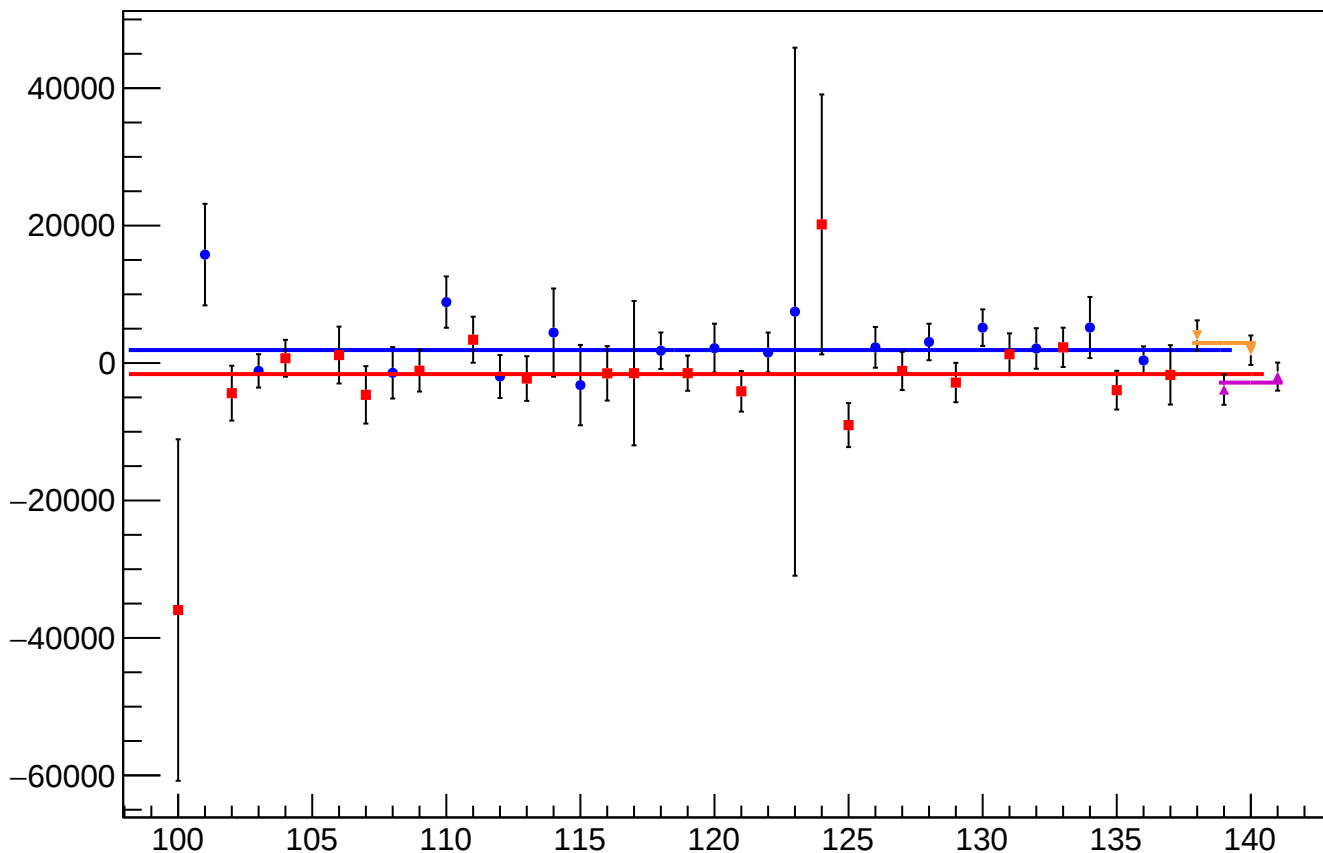
Right Out: 4302.892+/-1.187 χ^2/NDF : 781886.1/19

Left In: 4388.927+/-2.489 χ^2/NDF : 21197.6/1

4472.858+/-1.136 χ^2/NDF : 784796.0/18

4318.836+/-1.071 χ^2/NDF : 804057.4/21

reg_asym_at1_avg_mean vs Slug



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

Left Out: 2924.008+/-1530.601 χ^2/NDF : 0.5/1

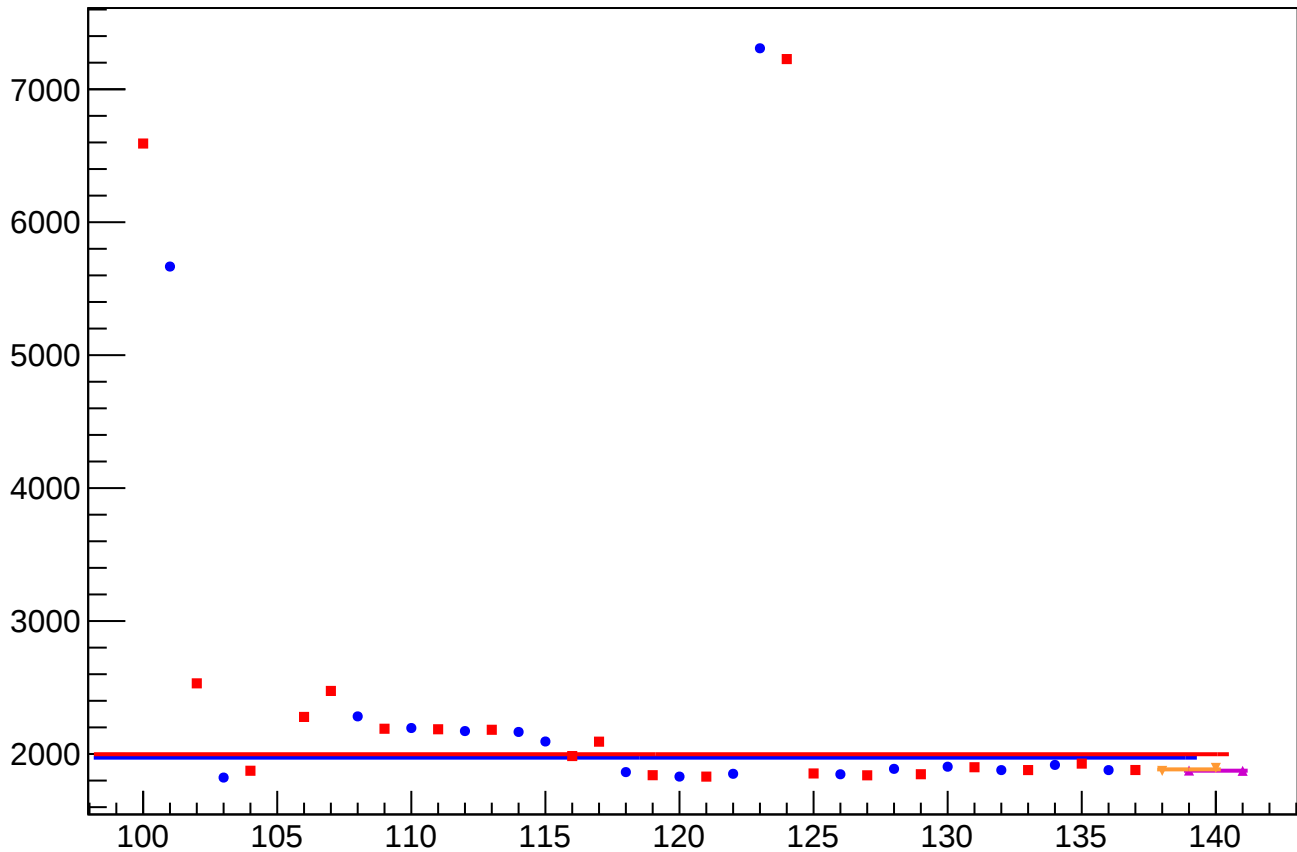
Right Out: -1609.604+/-763.815 χ^2/NDF : 17.5/19

Left In: -2847.832+/-1497.448 χ^2/NDF : 0.4/1

2103.178+/-697.666 χ^2/NDF : 15.5/18

-1865.251+/-680.412 χ^2/NDF : 18.4/21

reg_asym_at1_avg_rms vs Slug



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

Left Out: 1884.189+/-1.082 χ^2/NDF :110.4/1

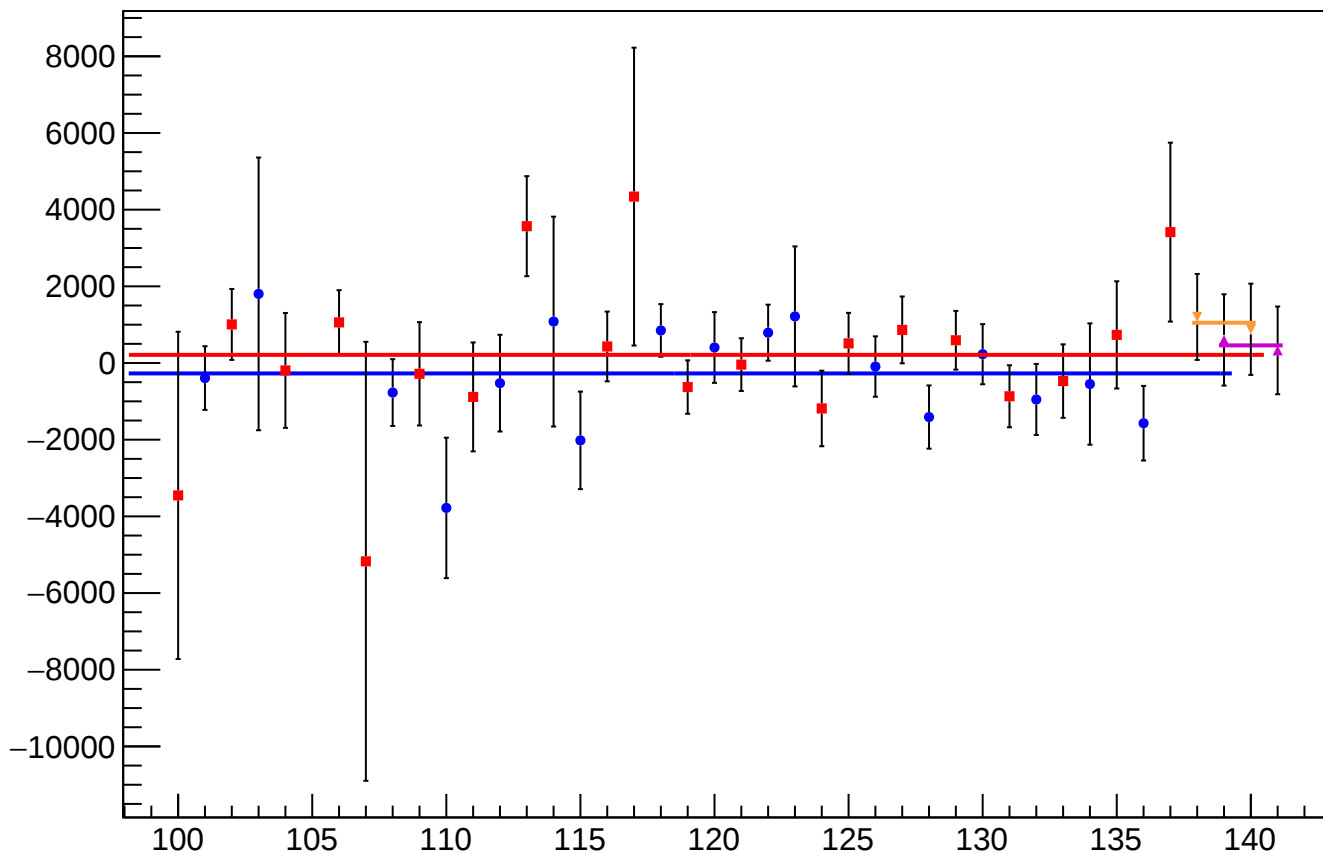
1954.140+/-0.493 χ^2/NDF : 606252.6/18

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

1972.583+/-0.481 χ^2/NDF : 366589.8/21

Left In: 1874.315+/-1.059 χ^2/NDF :1.0/1

asym_at1_avg_correction_mean vs Slug



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

Left Out: 1050.071 ± 816.027 χ^2/NDF : 0.0/1

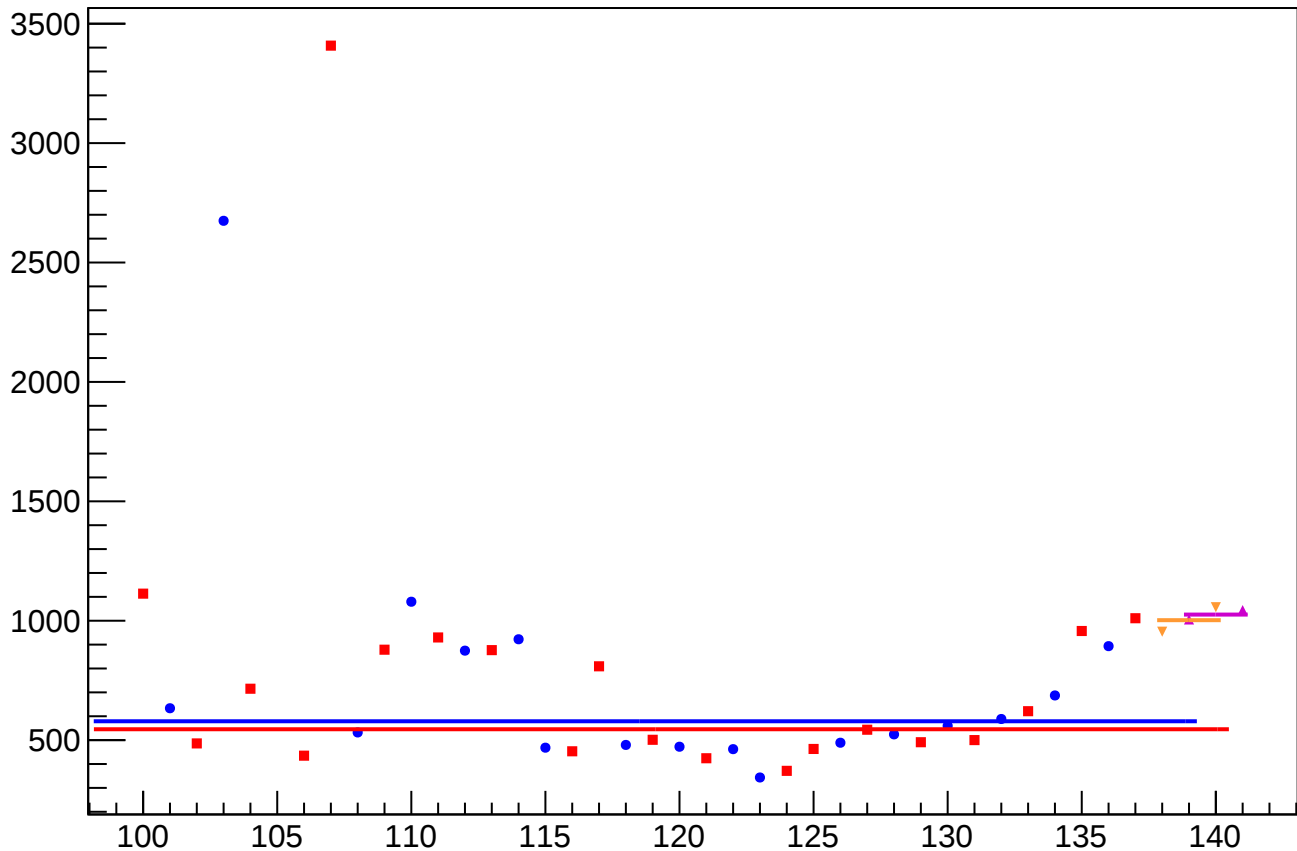
Right Out: 212.774 ± 228.638 χ^2/NDF : 20.9/19

Left In: 459.989 ± 824.874 χ^2/NDF : 0.0/1

-166.364 ± 230.437 χ^2/NDF : 19.7/18

230.413 ± 220.331 χ^2/NDF : 21.0/21

asym_at1_avg_correction_rms vs Slug



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

Left Out: 1002.297+/-0.577 χ^2/NDF : 7856.9/1

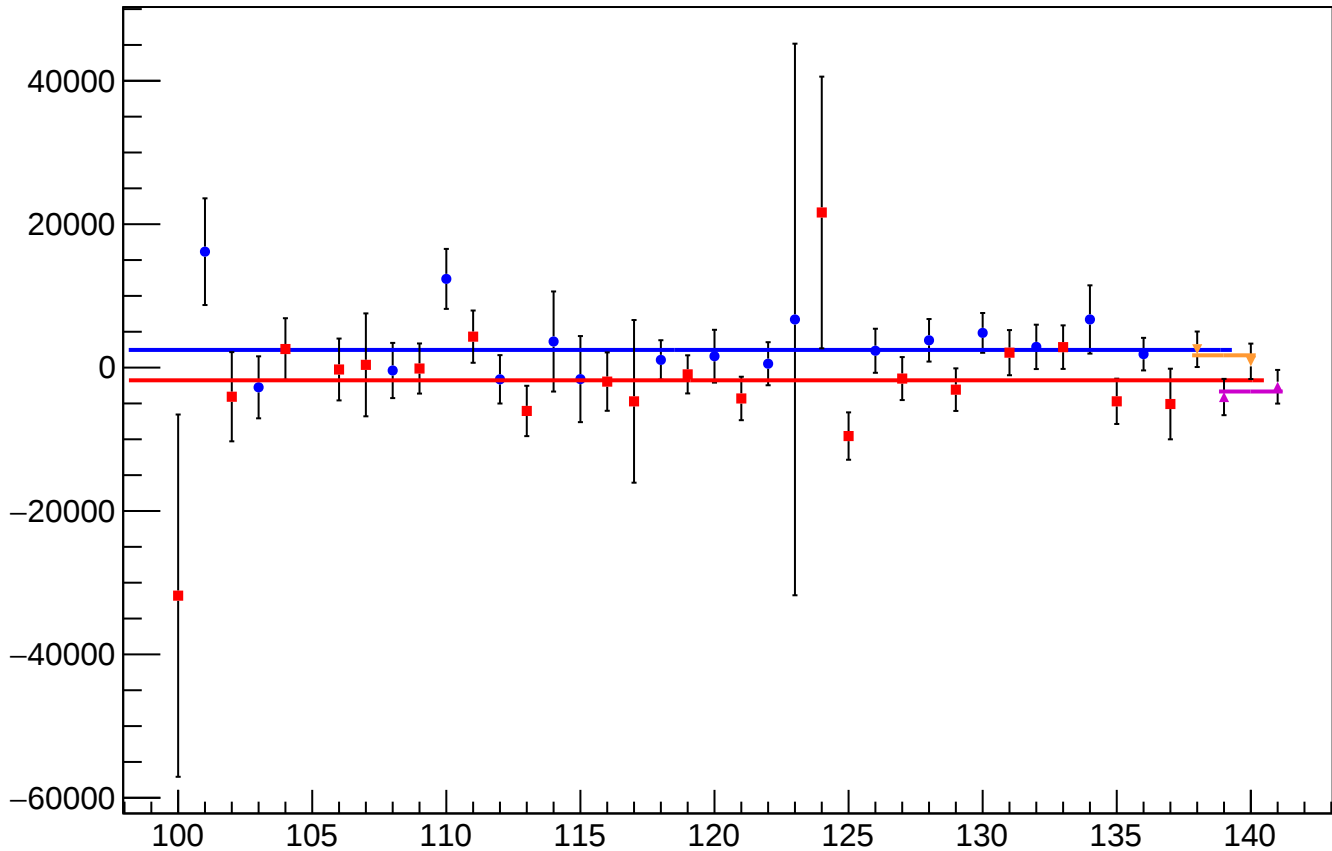
Right Out: 545.590+/-0.162 χ^2/NDF : 1467038.8/19

Left In: 1025.751+/-0.583 χ^2/NDF : 1128.8/1

612.765+/-0.163 χ^2/NDF : 1925226.9/18

579.848+/-0.156 χ^2/NDF : 2097502.1/21

asym_at1_avg_mean vs Slug



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

Left Out: 1713.443+/-1748.407 χ^2/NDF : 0.2/1

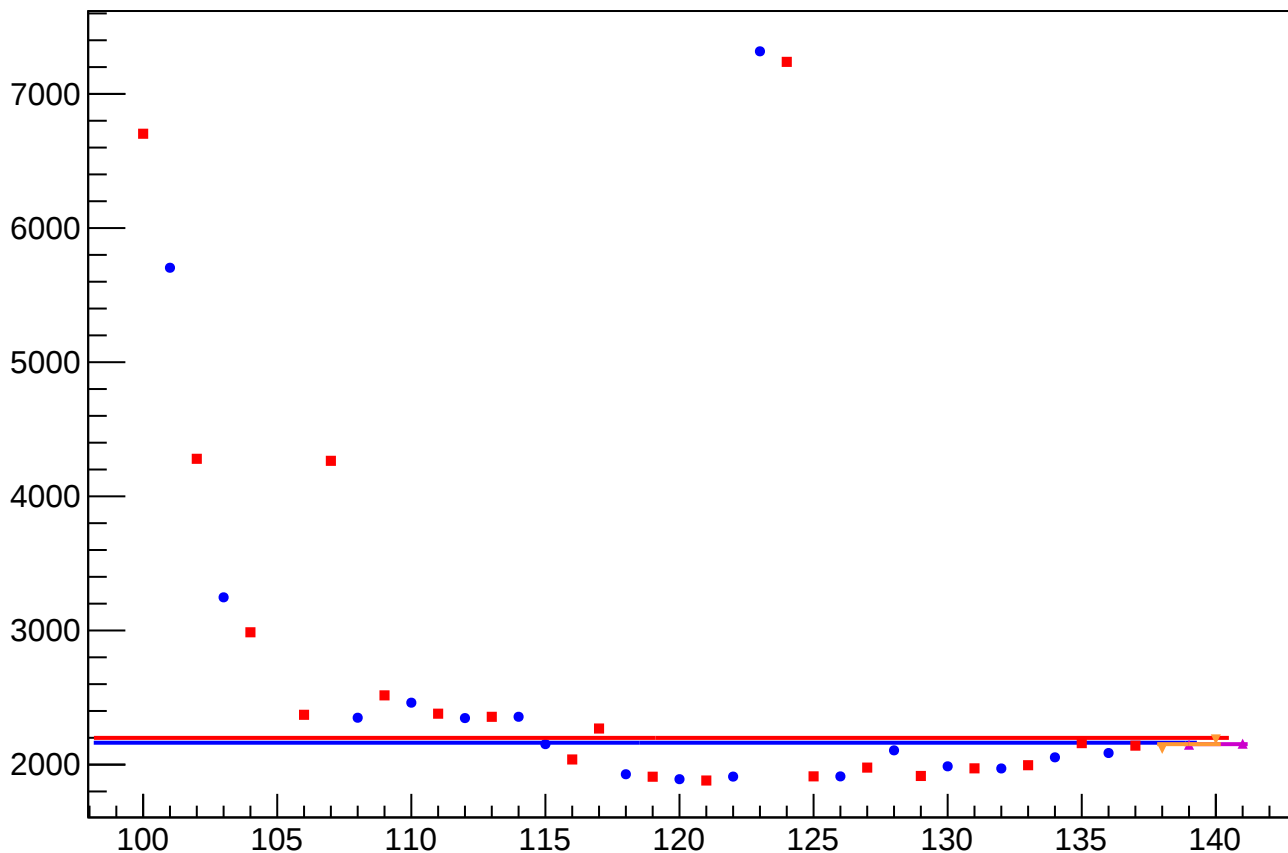
Right Out: -1773.396+/-850.889 χ^2/NDF : 20.5/19

Left In: -3334.975+/-1720.804 χ^2/NDF : 0.2/1

2316.970+/-774.006 χ^2/NDF : 15.9/18

-2080.193+/-762.737 χ^2/NDF : 21.4/21

asym_at1_avg_rms vs Slug



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

Left Out: 2152.674+/-1.236 χ^2/NDF : 812.4/1

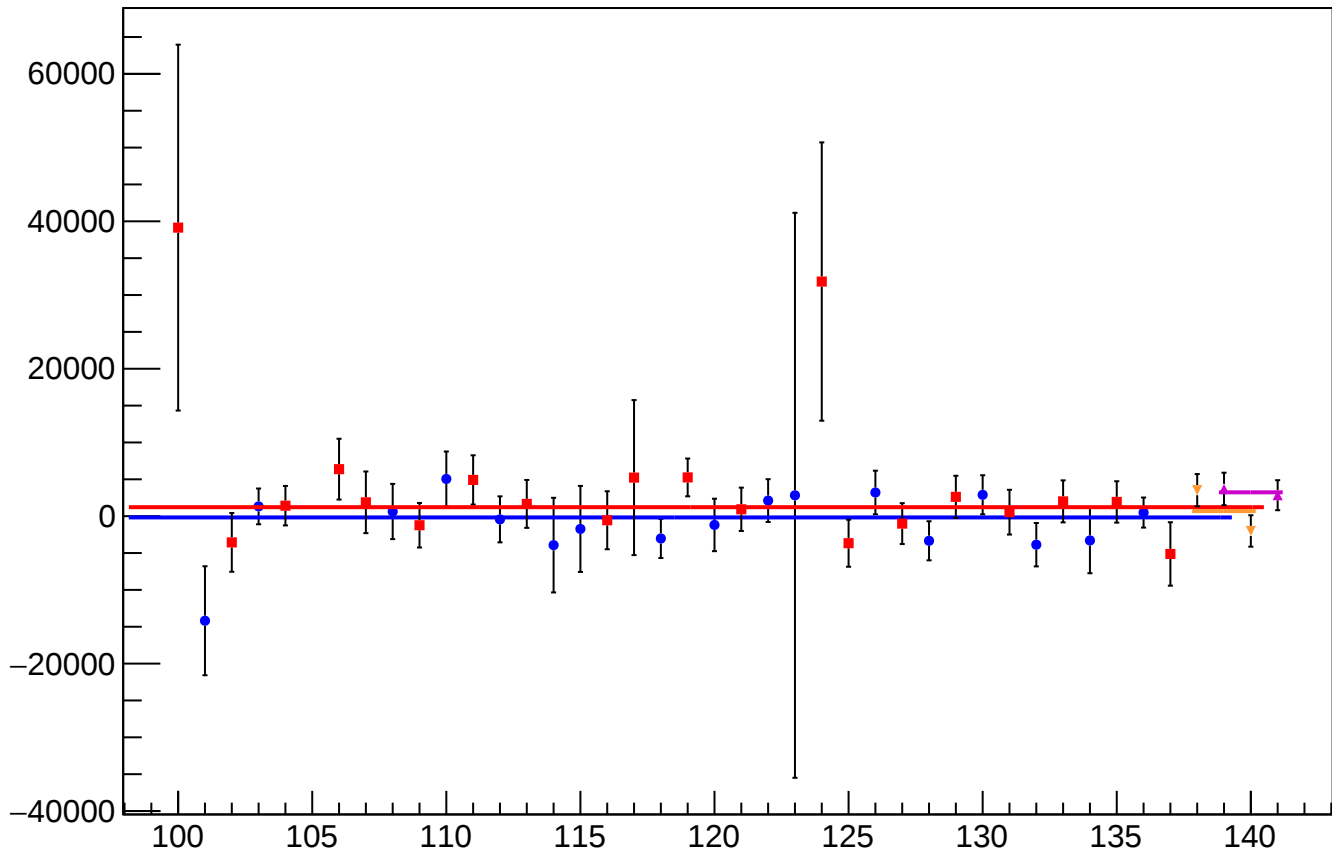
Right Out: 2199.398+/-0.602 χ^2/NDF : 803373.4/19

Left In: 2152.639+/-1.217 χ^2/NDF : 9.3/1

2161.220+/-0.547 χ^2/NDF : 710456.3/18

2190.211+/-0.539 χ^2/NDF : 804569.2/21

reg_asym_at1_dd_mean vs Slug



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

Left Out: 689.167 ± 1526.516 χ^2/NDF : 3.3/1

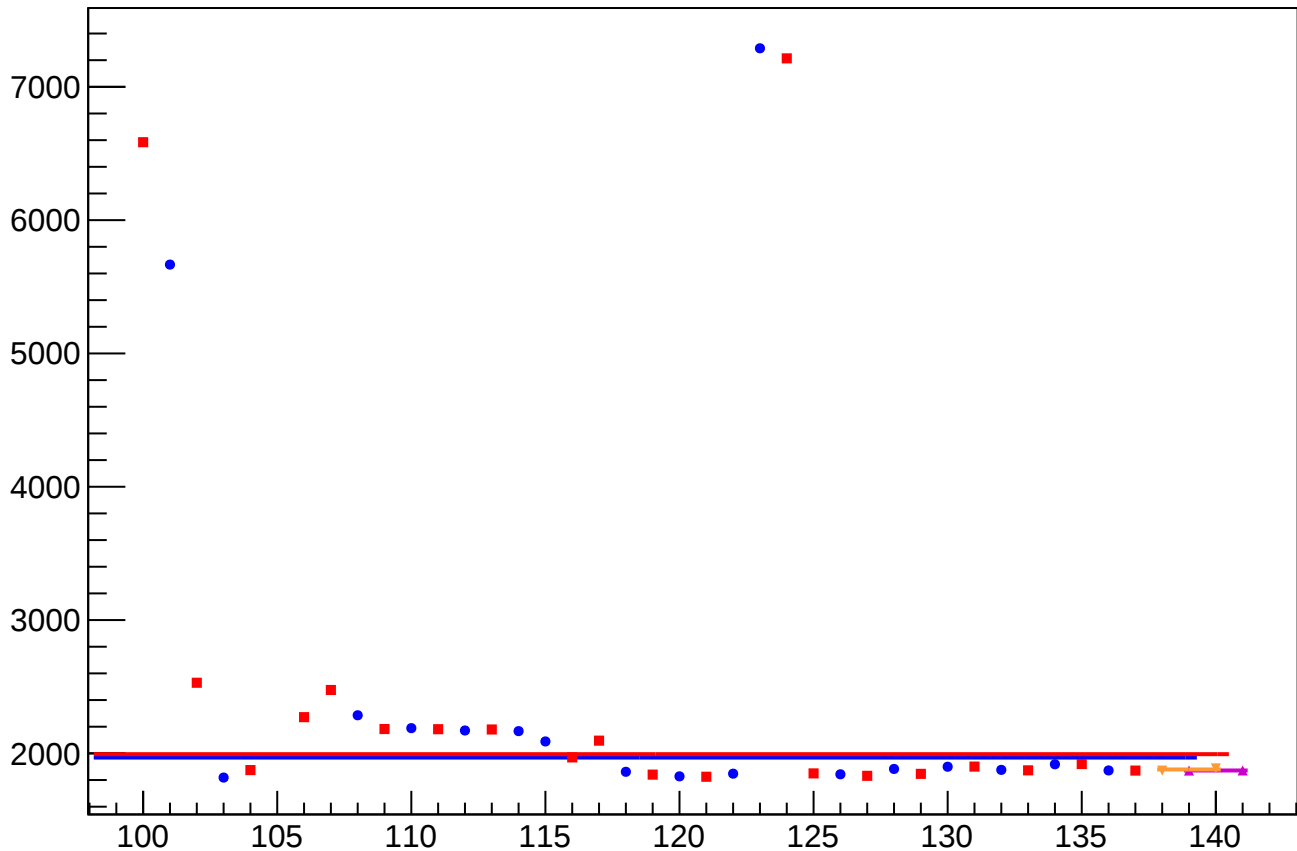
Right Out: 1218.753 ± 762.243 χ^2/NDF : 18.3/19

Left In: 3236.110 ± 1495.229 χ^2/NDF : 0.1/1

8.461 ± 696.261 χ^2/NDF : 18.1/18

1634.879 ± 679.092 χ^2/NDF : 19.8/21

reg_asym_at1_dd_rms vs Slug



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

Left Out: 1879.120+/-1.079 χ^2/NDF : 59.8/1

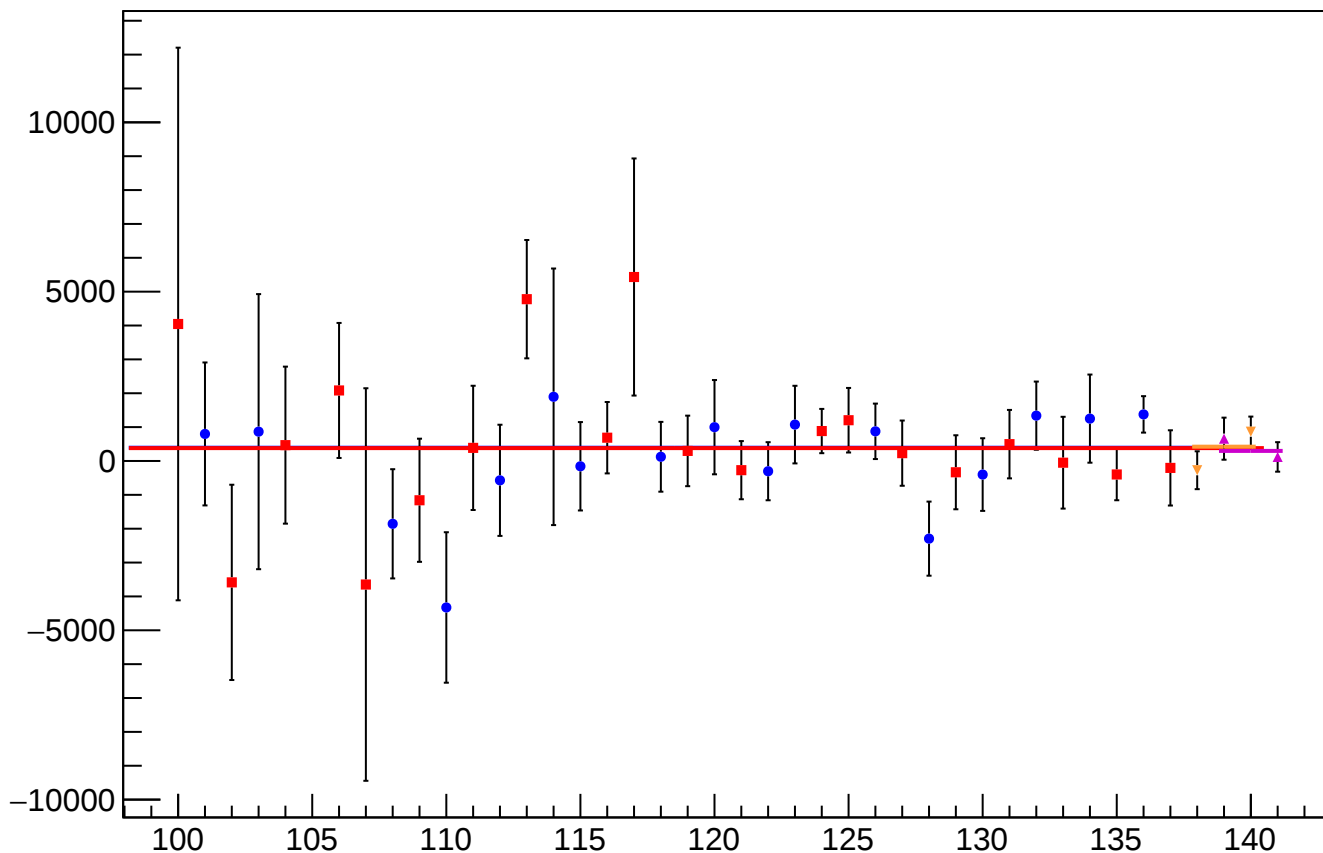
Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

Left In: 1871.586+/-1.057 χ^2/NDF : 0.1/1

1950.010+/-0.492 χ^2/NDF : 608478.9/18

1968.716+/-0.480 χ^2/NDF : 366992.4/21

asym_at1_dd_correction_mean vs Slug



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

Left Out: 422.375+/-348.582 χ^2/NDF : 2.5/1

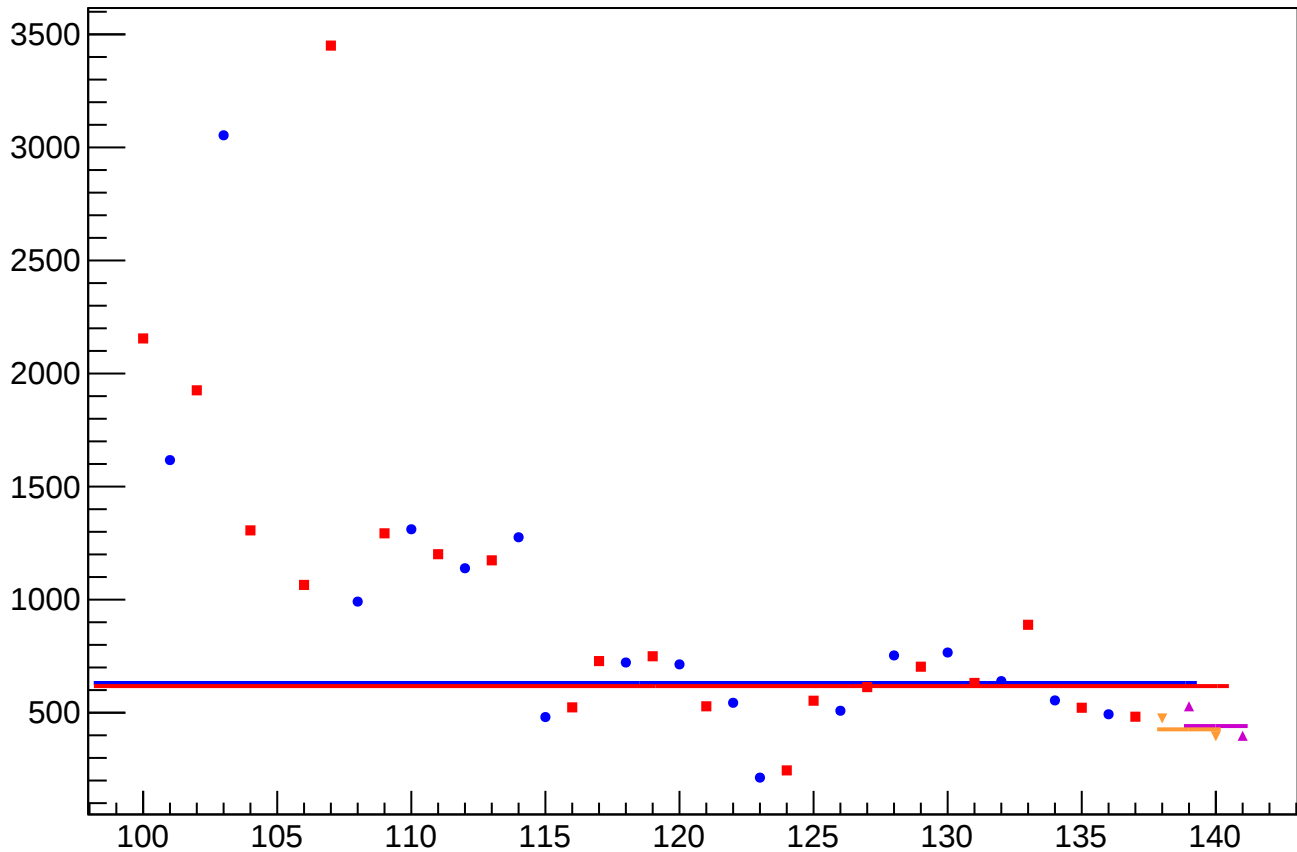
Right Out: 379.833+/-265.331 χ^2/NDF : 16.3/19

Left In: 297.328+/-356.689 χ^2/NDF : 0.5/1

402.724+/-213.520 χ^2/NDF : 22.6/18

350.442+/-212.889 χ^2/NDF : 16.9/21

asym_at1_dd_correction_rms vs Slug



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

Left Out: 426.351+/-0.246 χ^2/NDF : 24382.3/1

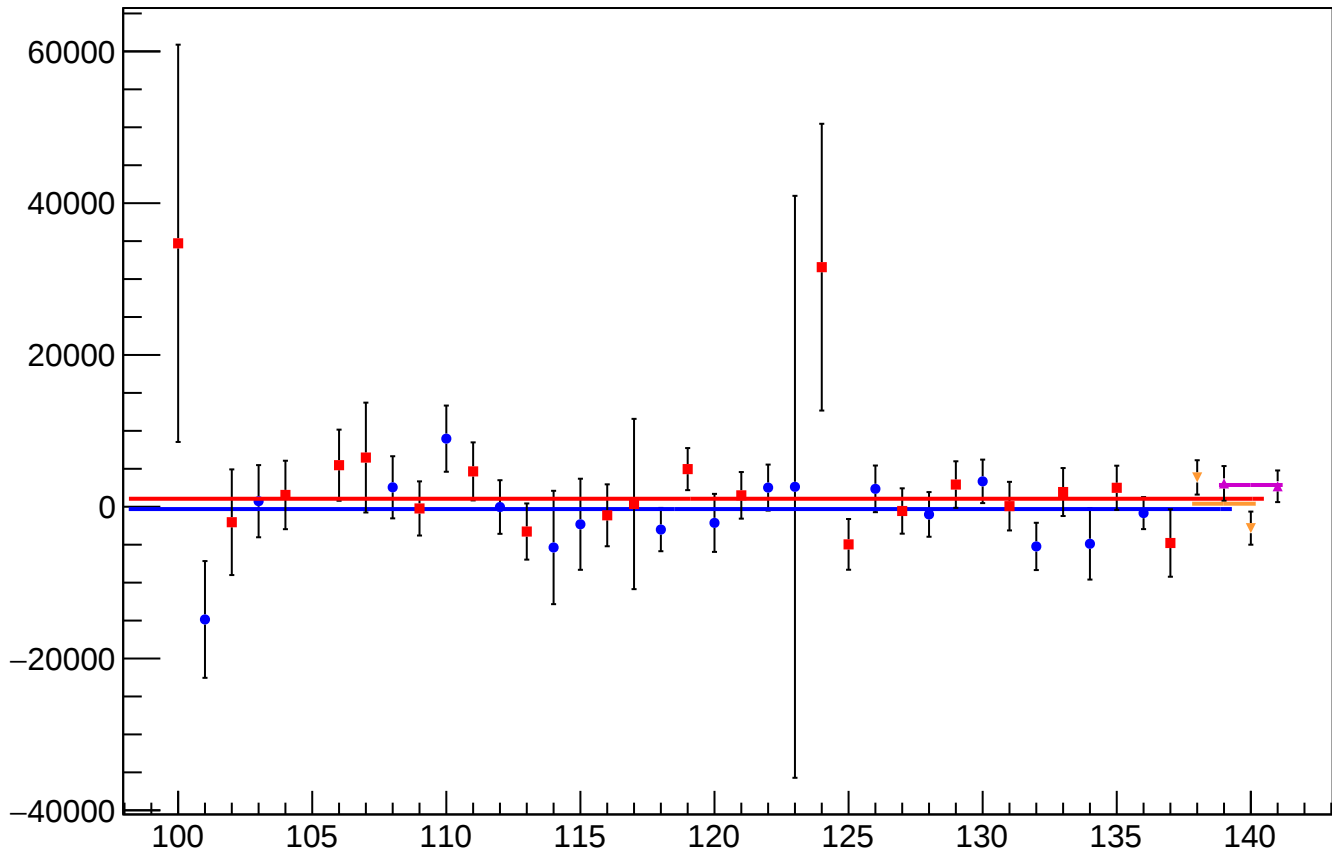
Right Out: 617.675+/-0.188 χ^2/NDF : 2804158.4/19

Left In: 440.943+/-0.252 χ^2/NDF : 59166.1/1

554.483+/-0.151 χ^2/NDF : 2717587.9/18

554.718+/-0.151 χ^2/NDF : 3179416.0/21

asym_at1_dd_mean vs Slug



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

Left Out: 399.080 ± 1570.831 χ^2/NDF : 4.5/1

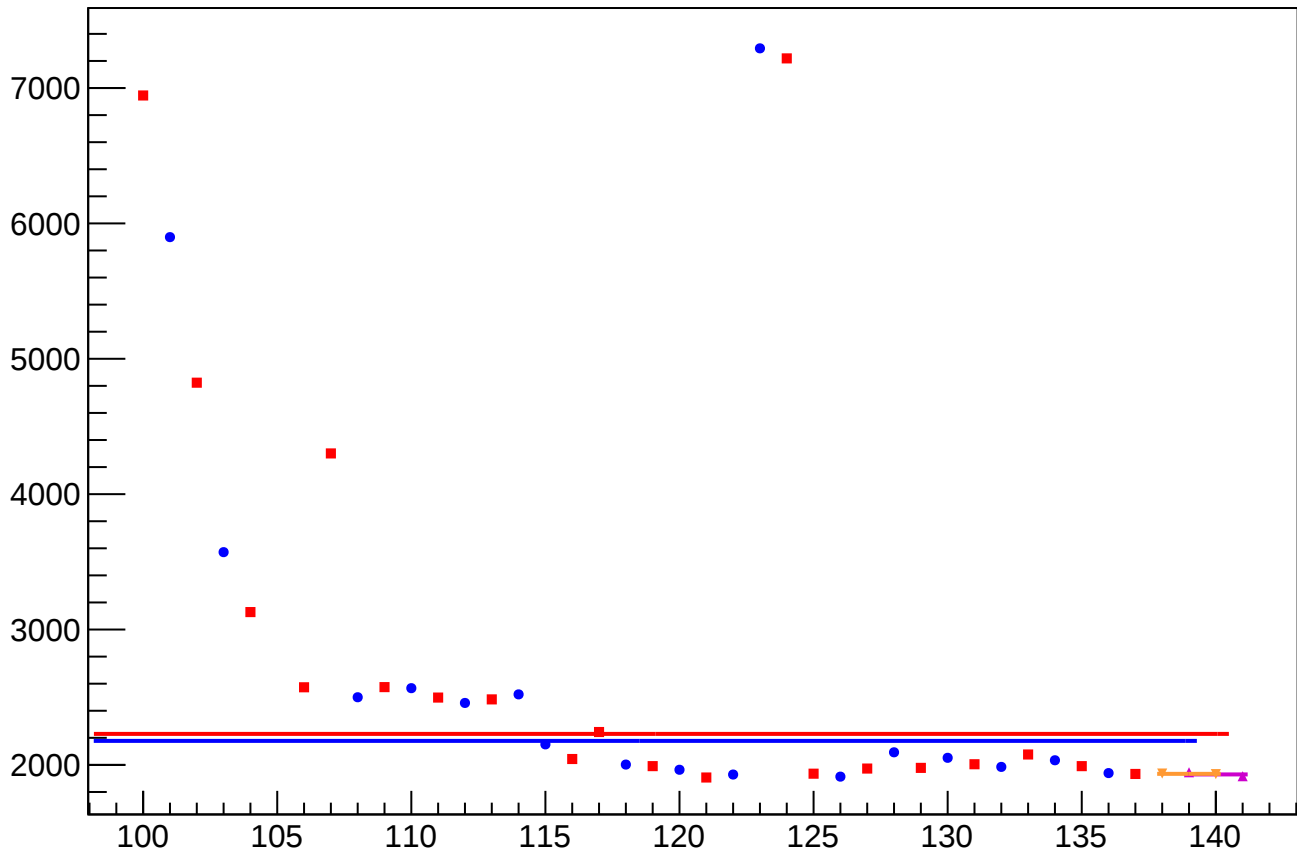
Right Out: 1052.718 ± 864.863 χ^2/NDF : 16.6/19

Left In: 2865.936 ± 1541.642 χ^2/NDF : 0.0/1

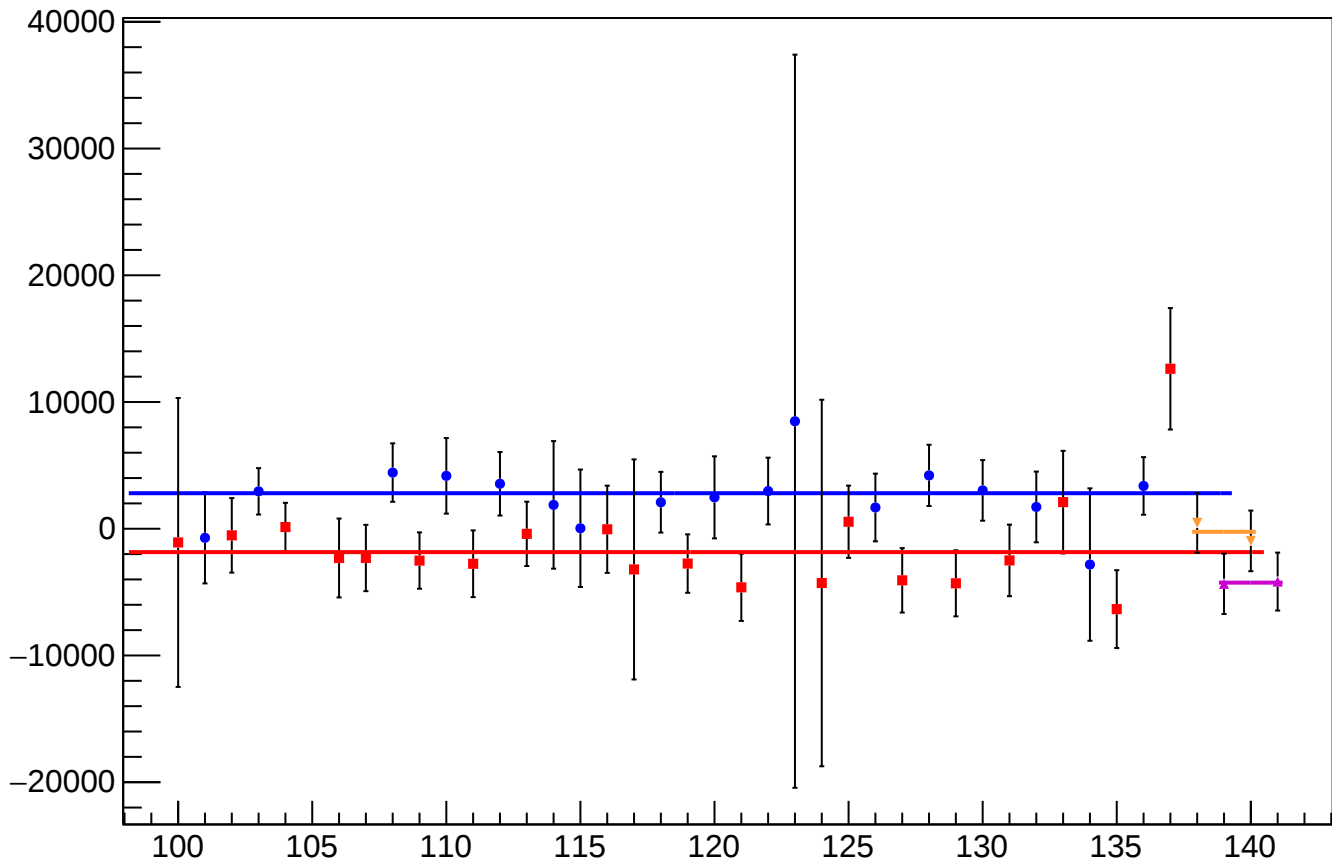
-139.710 ± 762.354 χ^2/NDF : 21.8/18

1486.772 ± 754.276 χ^2/NDF : 17.7/21

asym_at1_dd_rms vs Slug



reg_asym_at2_avg_mean vs Slug



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

Left Out: -239.527+/-1681.601 χ^2/NDF : 0.2/1

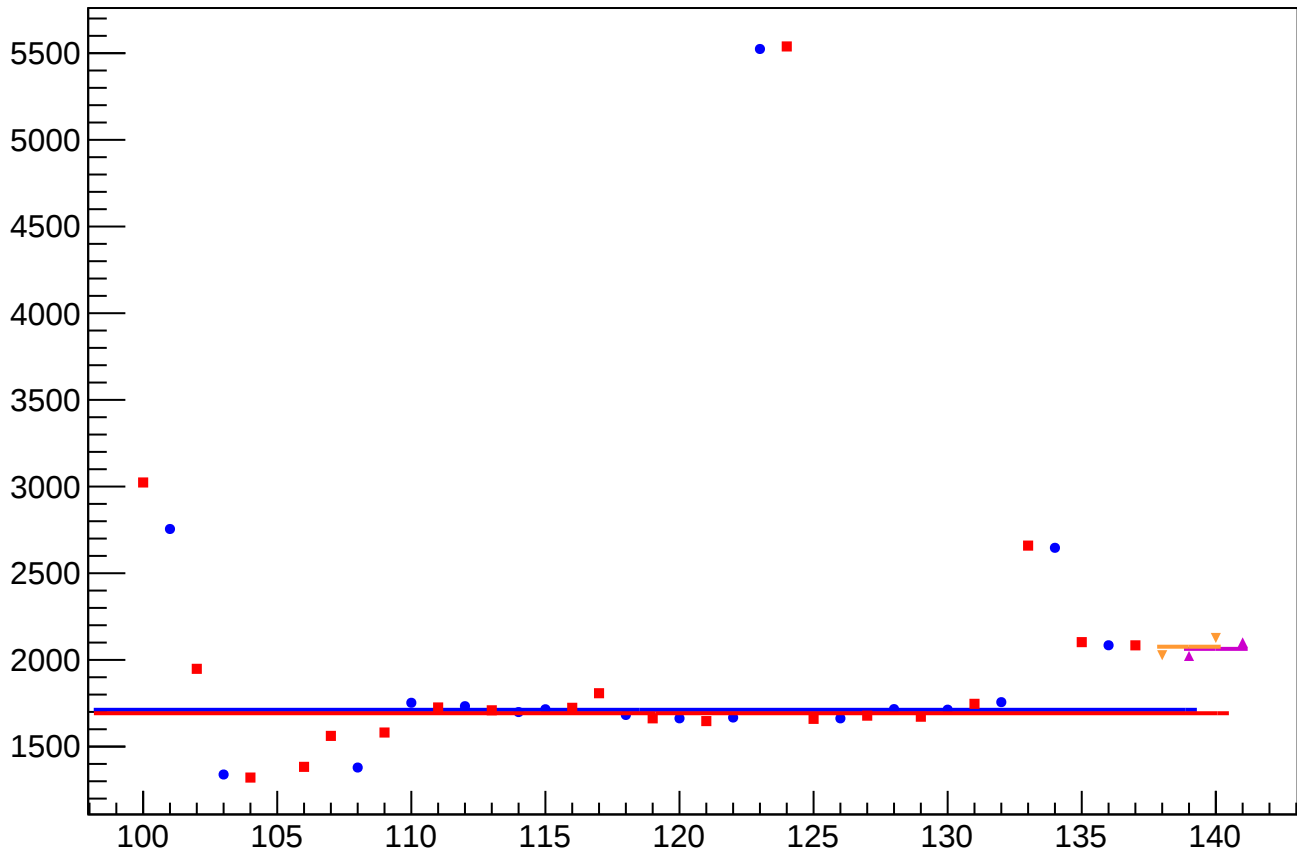
Right Out: -1844.945+/-653.448 χ^2/NDF : 18.1/19

Left In: -4253.344+/-1649.119 χ^2/NDF : 0.0/1

2377.762+/-629.251 χ^2/NDF : 6.9/18

-2171.767+/-607.496 χ^2/NDF : 19.9/21

reg_asym_at2_avg_rms vs Slug



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

Left Out: 2076.176 ± 1.189 χ^2/NDF : 1755.7/1

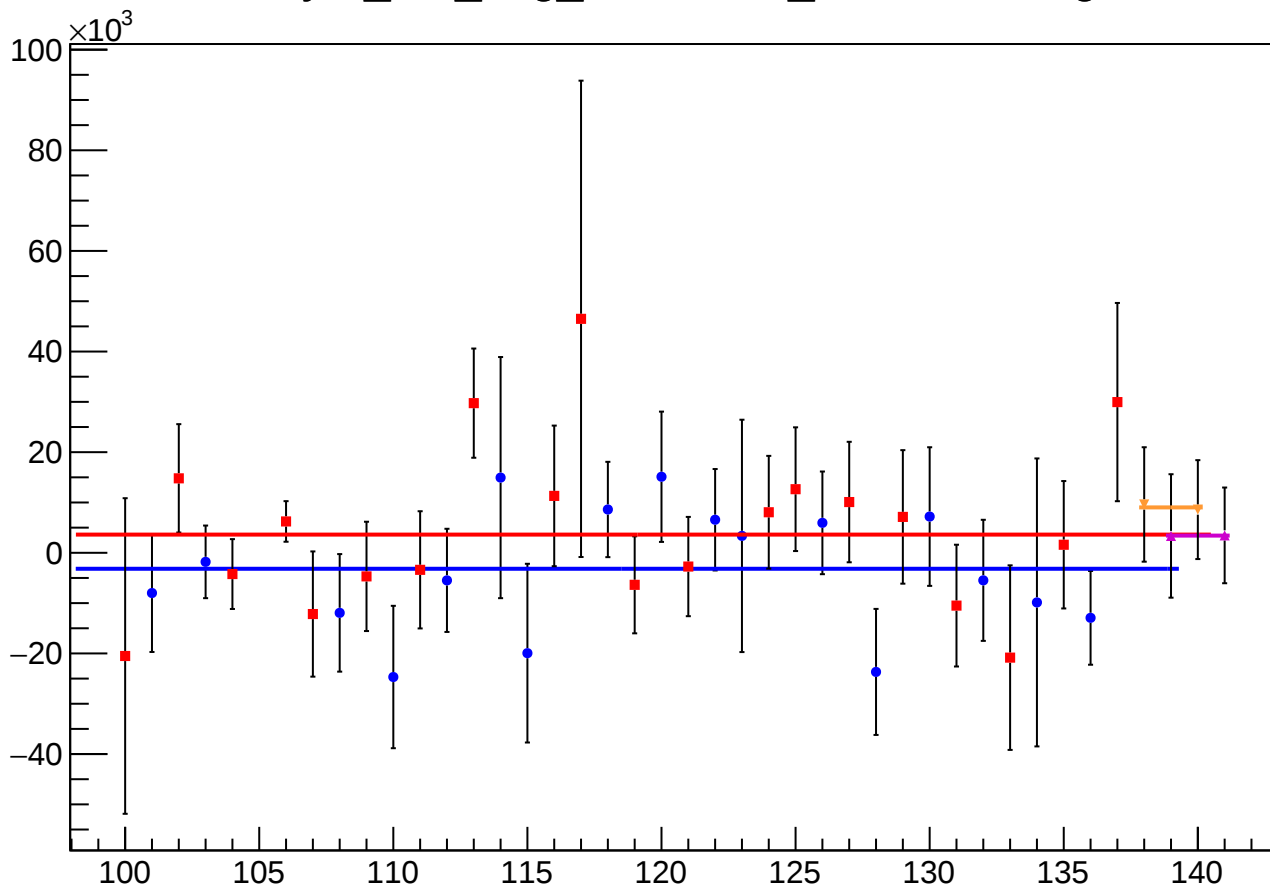
Right Out: 1692.404 ± 0.462 χ^2/NDF : 455277.5/19

Left In: 2063.714 ± 1.166 χ^2/NDF : 1126.0/1

1763.126 ± 0.445 χ^2/NDF : 514832.6/18

1742.790 ± 0.430 χ^2/NDF : 544035.6/21

asym_at2_avg_correction_mean vs Slug



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

Left Out: 9023.005 ± 7436.692 $\chi^2/\text{NDF}: 0.0/1$

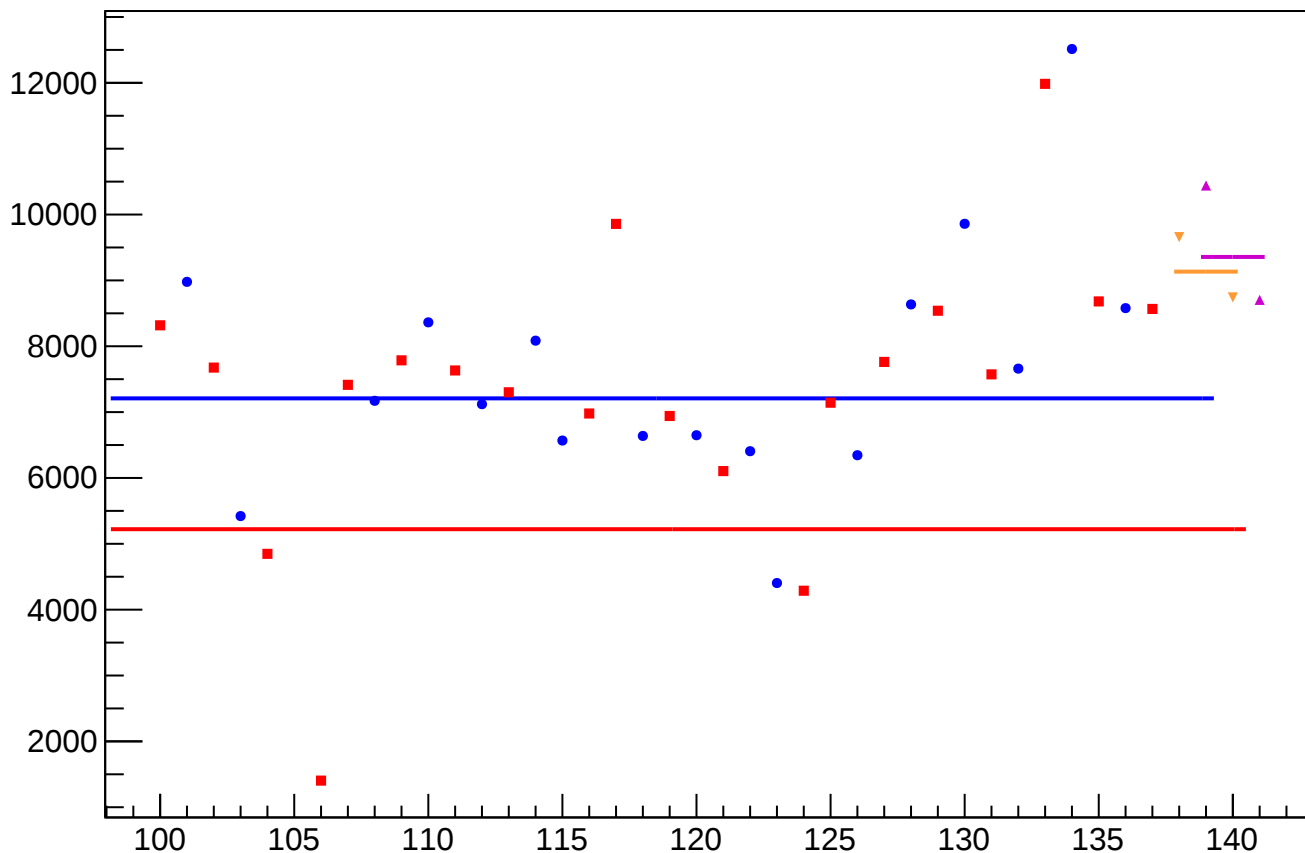
Right Out: 3618.416 ± 2263.938 $\chi^2/\text{NDF}: 20.3/19$

Left In: 3419.605 ± 7516.673 $\chi^2/\text{NDF}: 0.0/1$

-1609.489 ± 2662.877 $\chi^2/\text{NDF}: 16.7/18$

3601.881 ± 2167.749 $\chi^2/\text{NDF}: 20.3/21$

asym_at2_avg_correction_rms vs Slug



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

Left Out: 9133.103+/-5.259 χ^2/NDF : 7417.1/1

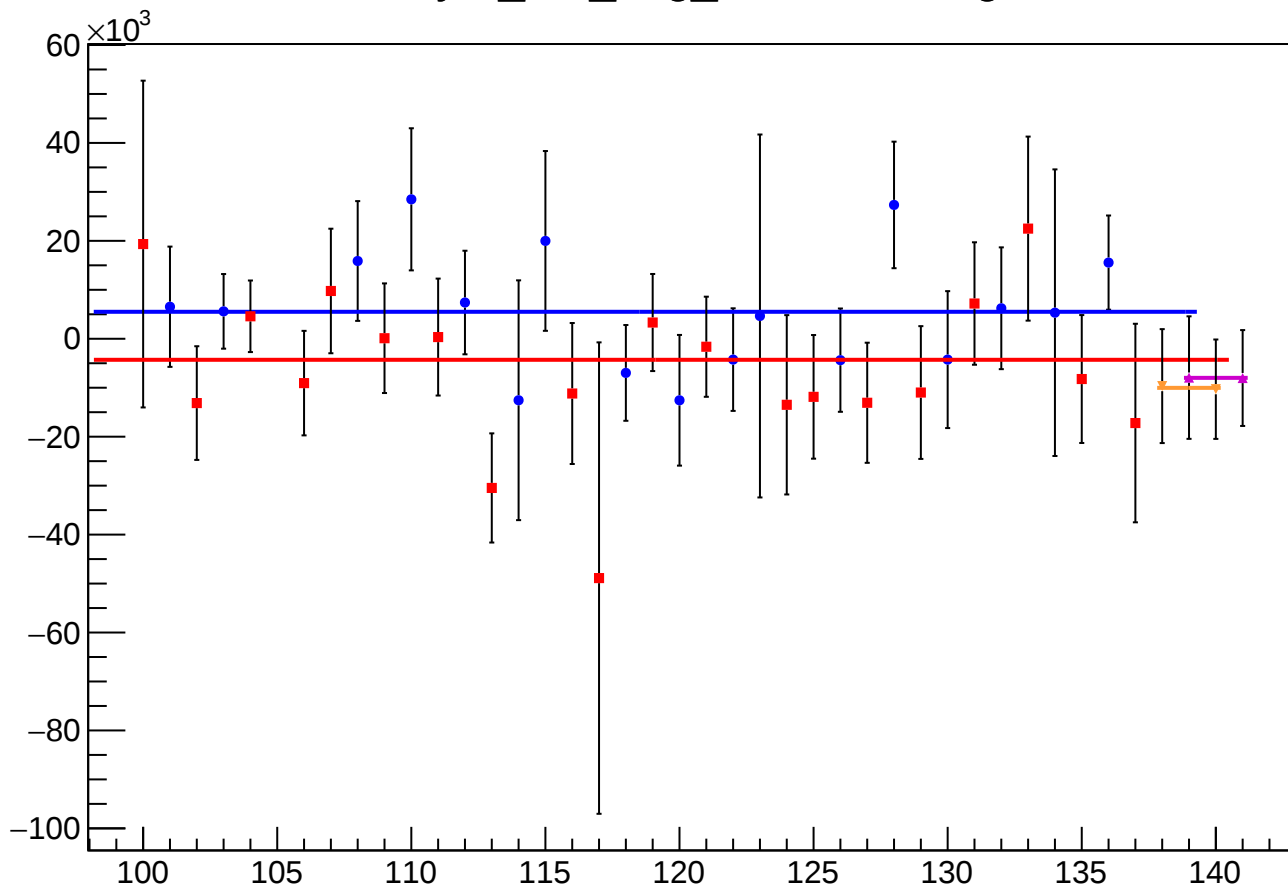
Right Out: 5221.816+/-1.601 χ^2/NDF : 3216100.5/19

Left In: 9356.231+/-5.315 χ^2/NDF : 25020.9/1

7455.324+/-1.883 χ^2/NDF : 593489.0/18

5565.675+/-1.533 χ^2/NDF : 3795869.3/21

asym_at2_avg_mean vs Slug



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

Left Out: -10027.720 $\pm$ 7648.911 χ^2 /NDF: 0.0/1

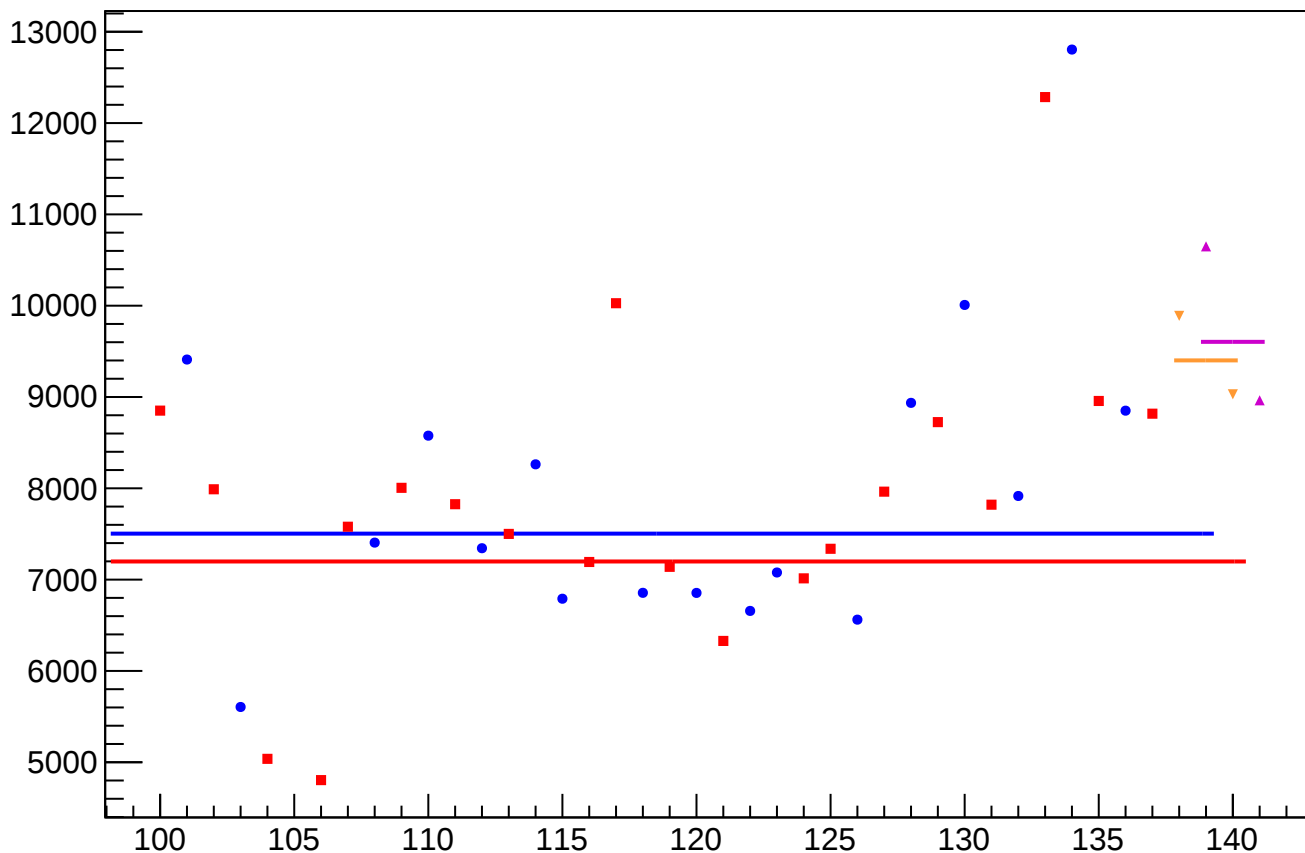
Right Out: -4295.824 $\pm$ 2785.538 χ^2 /NDF: 16.3/19

Left In: -7984.966 $\pm$ 7710.694 χ^2 /NDF: 0.0/1

3472.548 $\pm$ 2769.450 χ^2 /NDF: 17.7/18

-4721.700 $\pm$ 2619.827 χ^2 /NDF: 16.5/21

asym_at2_avg_rms vs Slug



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

Left Out: 9400.855 ± 5.409 χ^2/NDF : 6191.0/1

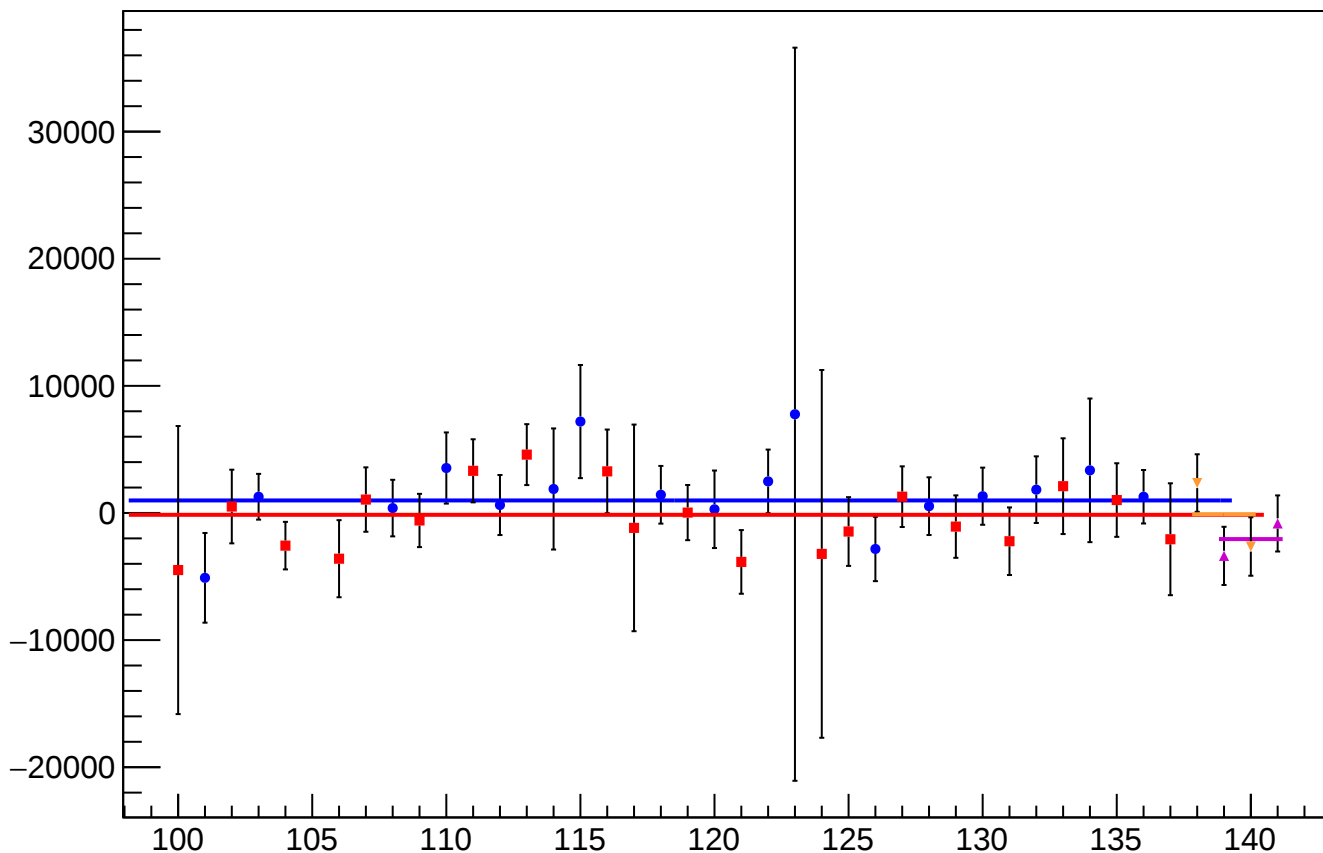
Right Out: 7198.728 ± 1.969 χ^2/NDF : 564629.1/19

Left In: 9604.044 ± 5.452 χ^2/NDF : 22520.3/1

7752.369 ± 1.958 χ^2/NDF : 540416.5/18

7476.336 ± 1.852 χ^2/NDF : 759307.2/21

reg_asym_at2_dd_mean vs Slug



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

Left Out: -102.945 +/- 1612.389 χ^2/NDF : 2.4/1

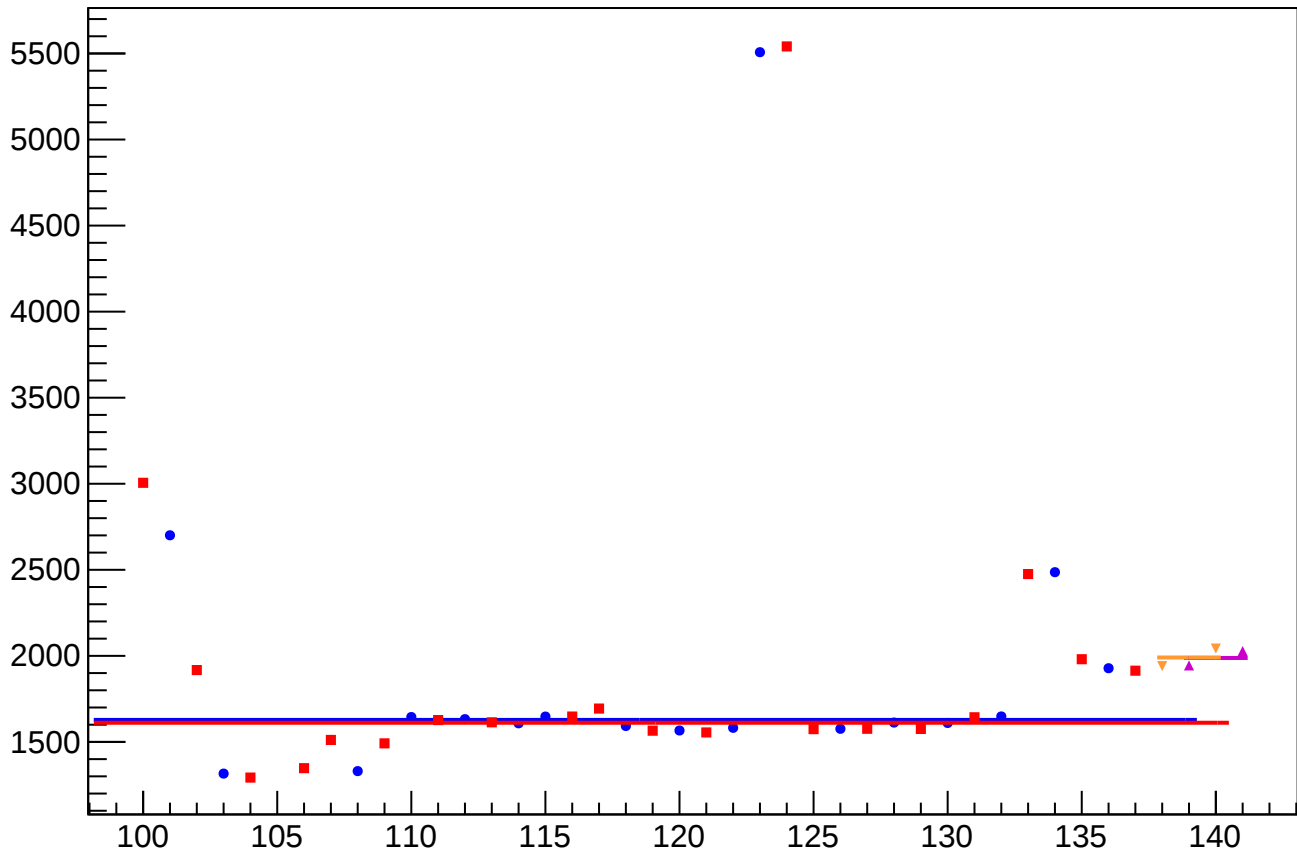
Right Out: -144.683 +/- 621.728 χ^2/NDF : 14.7/19

Left In: -2053.576 +/- 1588.436 χ^2/NDF : 0.6/1

835.459 +/- 598.565 χ^2/NDF : 11.8/18

-398.276 +/- 578.959 χ^2/NDF : 16.6/21

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1990.526 $\pm$ 1.140 χ^2 /NDF:2002.5/1

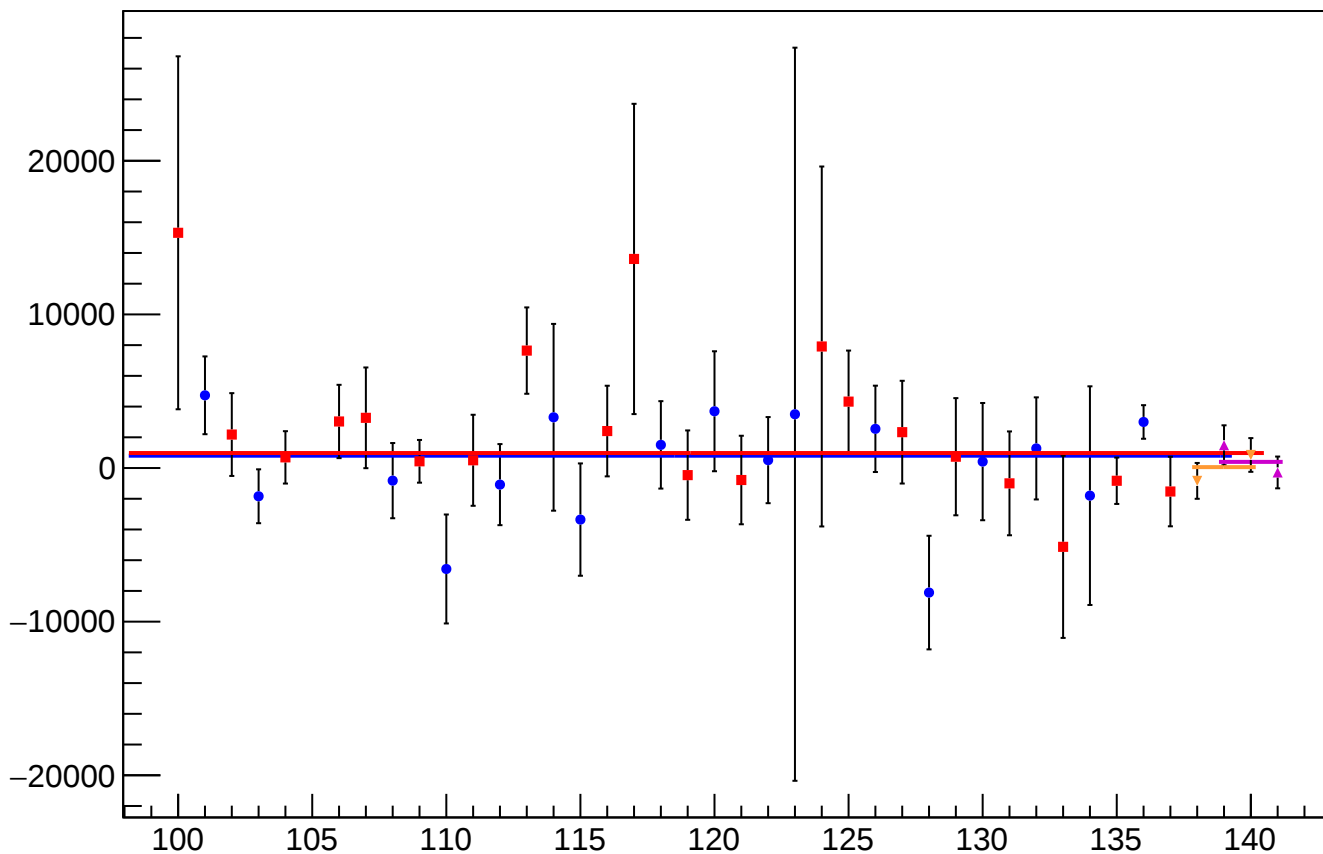
Right Out: 1611.433 $\pm$ 0.440 χ^2 /NDF: 434167.6/19

Left In: 1987.763 $\pm$ 1.123 χ^2 /NDF:1376.8/1

1677.819 $\pm$ 0.423 χ^2 /NDF: 496358.8/18

1661.428 $\pm$ 0.409 χ^2 /NDF: 532891.2/21

asym_at2_dd_correction_mean vs Slug



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

Left Out: 59.084 $\pm$ 799.507 χ^2 /NDF: 1.1/1

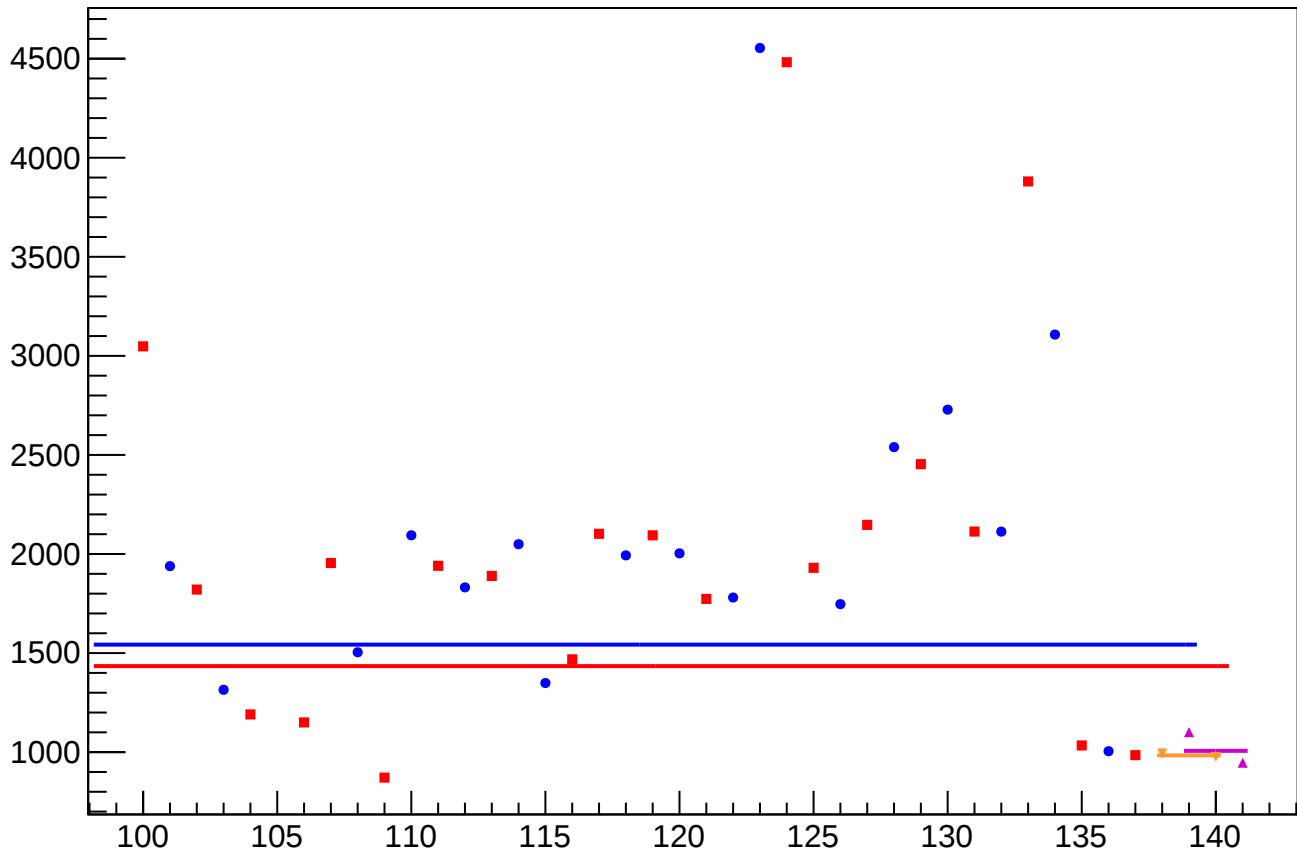
Right Out: 976.725 $\pm$ 588.724 χ^2 /NDF: 16.8/19

Left In: 400.055 $\pm$ 808.901 χ^2 /NDF: 1.1/1

517.125 $\pm$ 495.645 χ^2 /NDF: 24.1/18

777.037 $\pm$ 476.001 χ^2 /NDF: 18.3/21

asym_at2_dd_correction_rms vs Slug



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

Left Out: 983.791+/-0.565 χ^2/NDF : 231.6/1

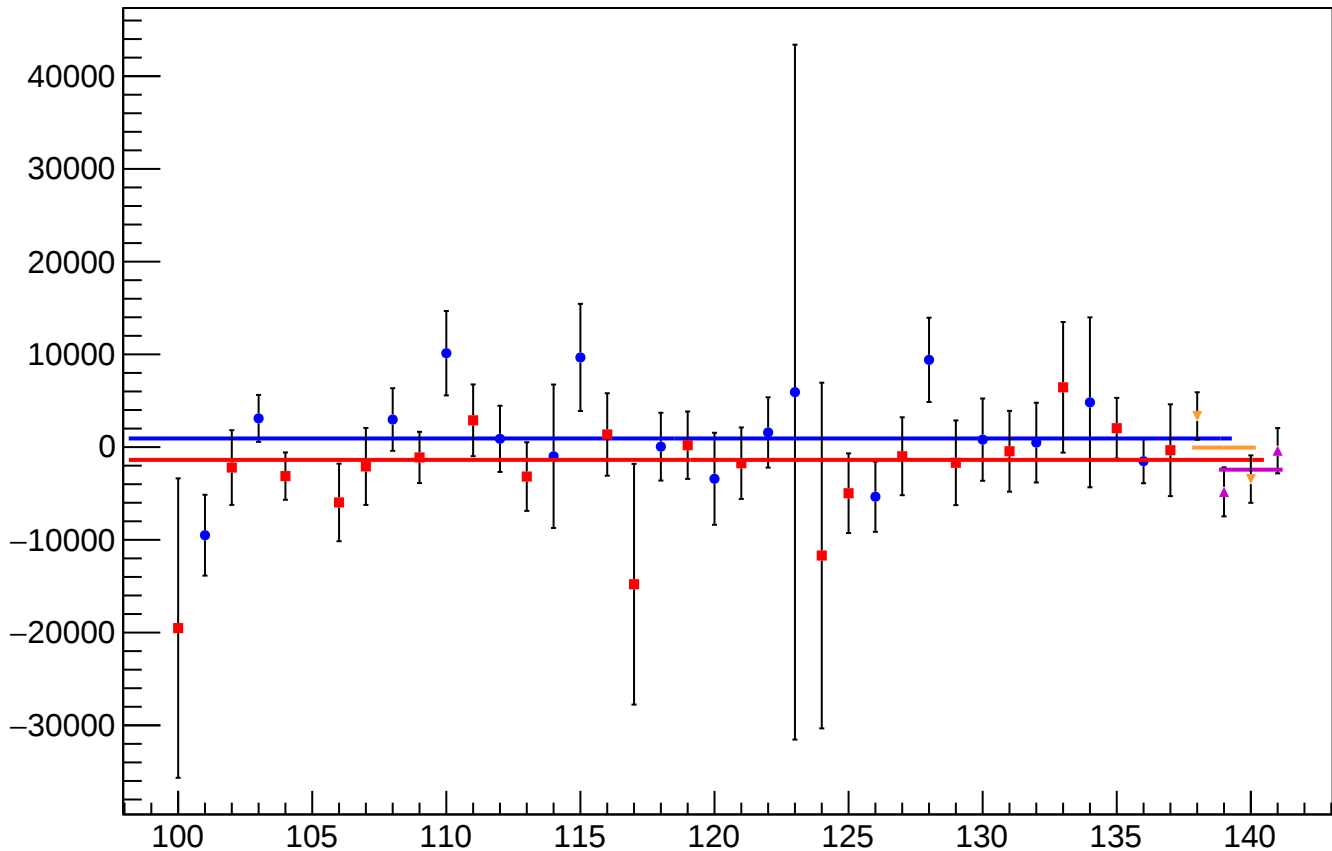
1327.901+/-0.350 χ^2/NDF : 1889944.3/18

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

1286.203+/-0.337 χ^2/NDF : 2215234.9/21

Left In: 1006.636+/-0.572 χ^2/NDF : 17205.3/1

asym_at2_dd_mean vs Slug



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

Left Out: -51.599 ± 1809.124 χ^2/NDF : 3.5/1

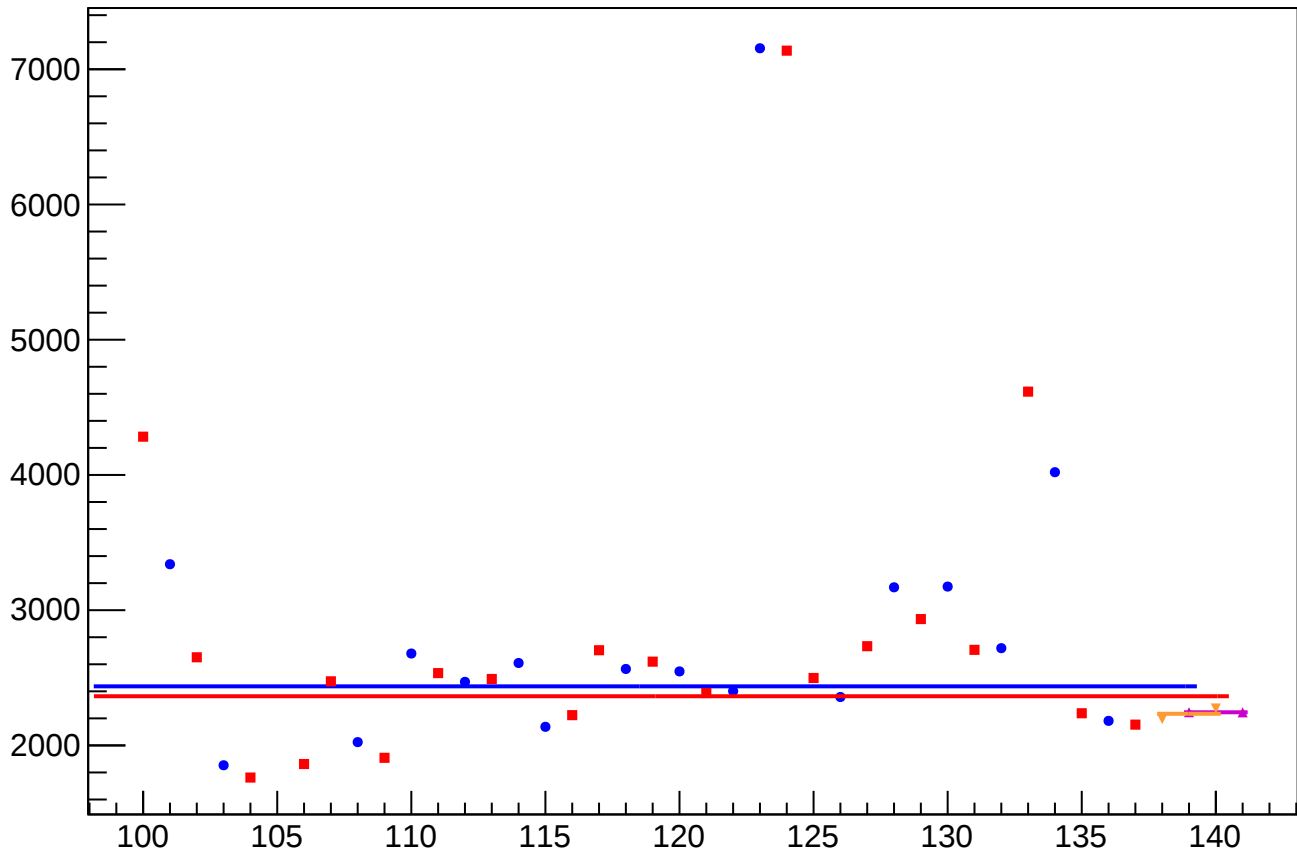
Right Out: -1375.966 ± 923.072 χ^2/NDF : 9.6/19

Left In: -2432.385 ± 1793.867 χ^2/NDF : 1.5/1

713.734 ± 853.462 χ^2/NDF : 25.4/18

-1597.128 ± 820.781 χ^2/NDF : 11.3/21

asym_at2_dd_rms vs Slug



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

Left Out: 2233.945+/-1.279 χ^2/NDF : 934.3/1

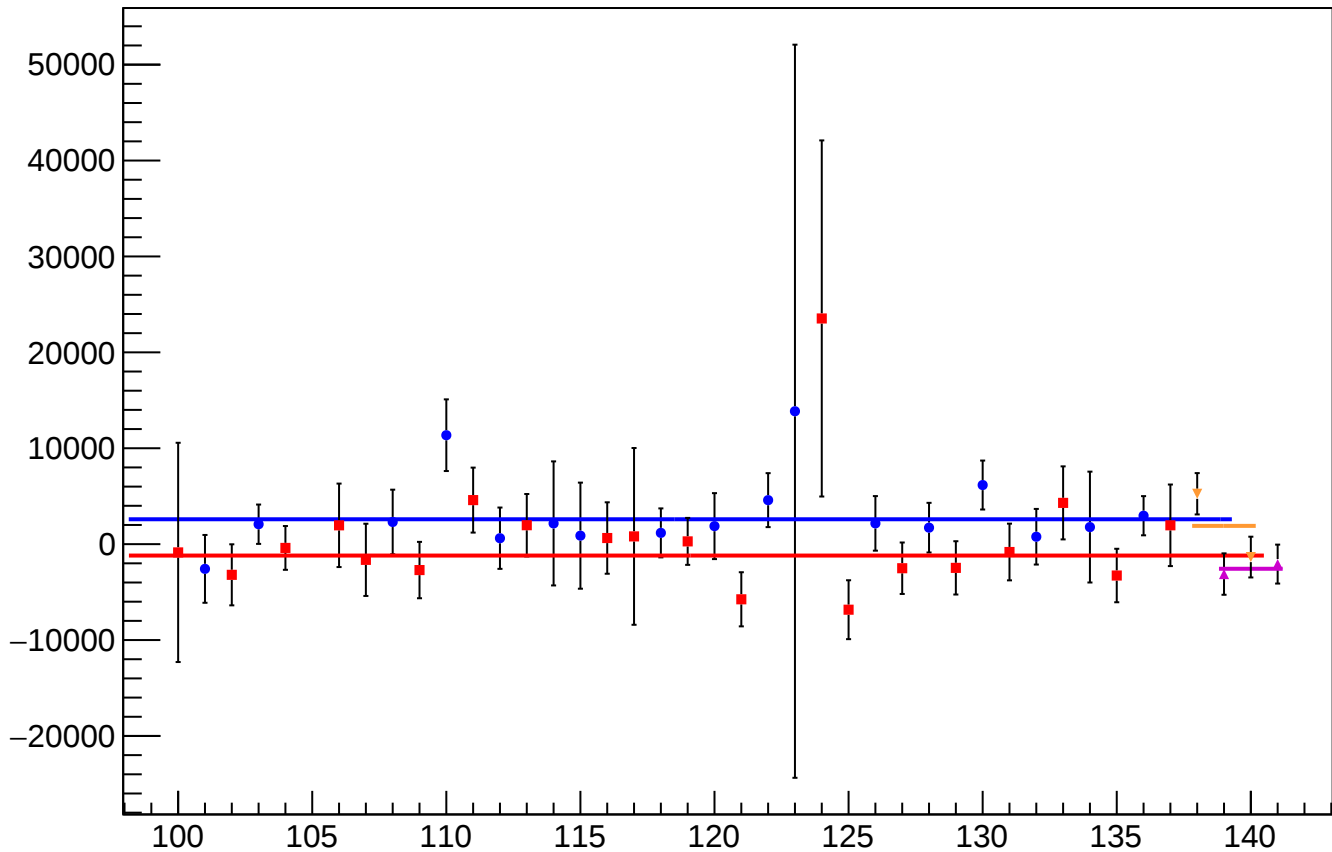
Right Out: 2363.609+/-0.653 χ^2/NDF : 657228.5/19

Left In: 2245.048+/-1.268 χ^2/NDF : 0.2/1

2391.697+/-0.603 χ^2/NDF : 489524.5/18

2338.789+/-0.580 χ^2/NDF : 664136.3/21

reg_asym_atl1r2_avg_mean vs Slug



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

Left Out: 1905.412+/-1513.020 χ^2/NDF : 4.8/1

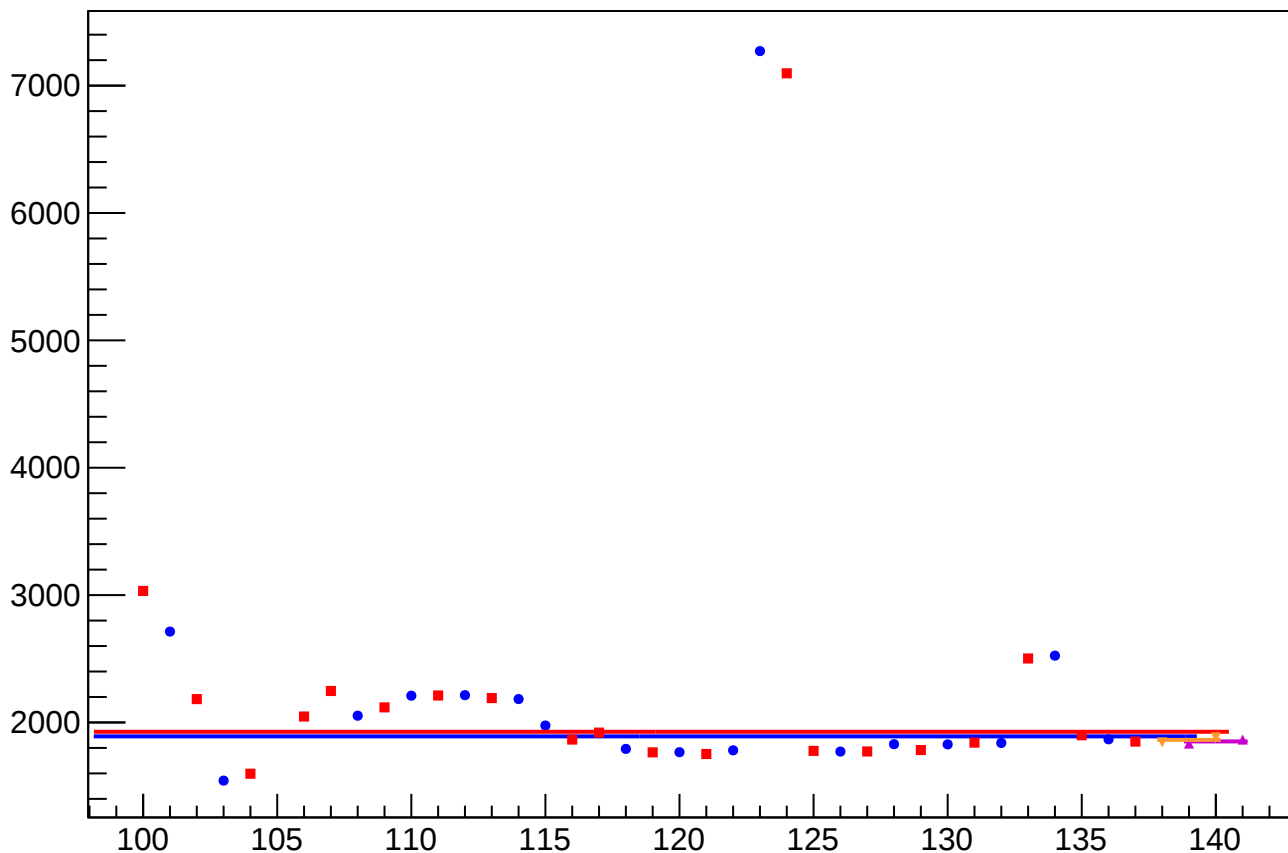
Right Out: -1189.680+/-737.247 χ^2/NDF : 17.3/19

Left In: -2567.547+/-1478.896 χ^2/NDF : 0.1/1

2460.761+/-666.925 χ^2/NDF : 16.6/18

-1463.942+/-659.806 χ^2/NDF : 18.1/21

reg_asym_atl1r2_avg_rms vs Slug



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

Left Out: 1863.127+/-1.070 χ^2/NDF : 335.2/1

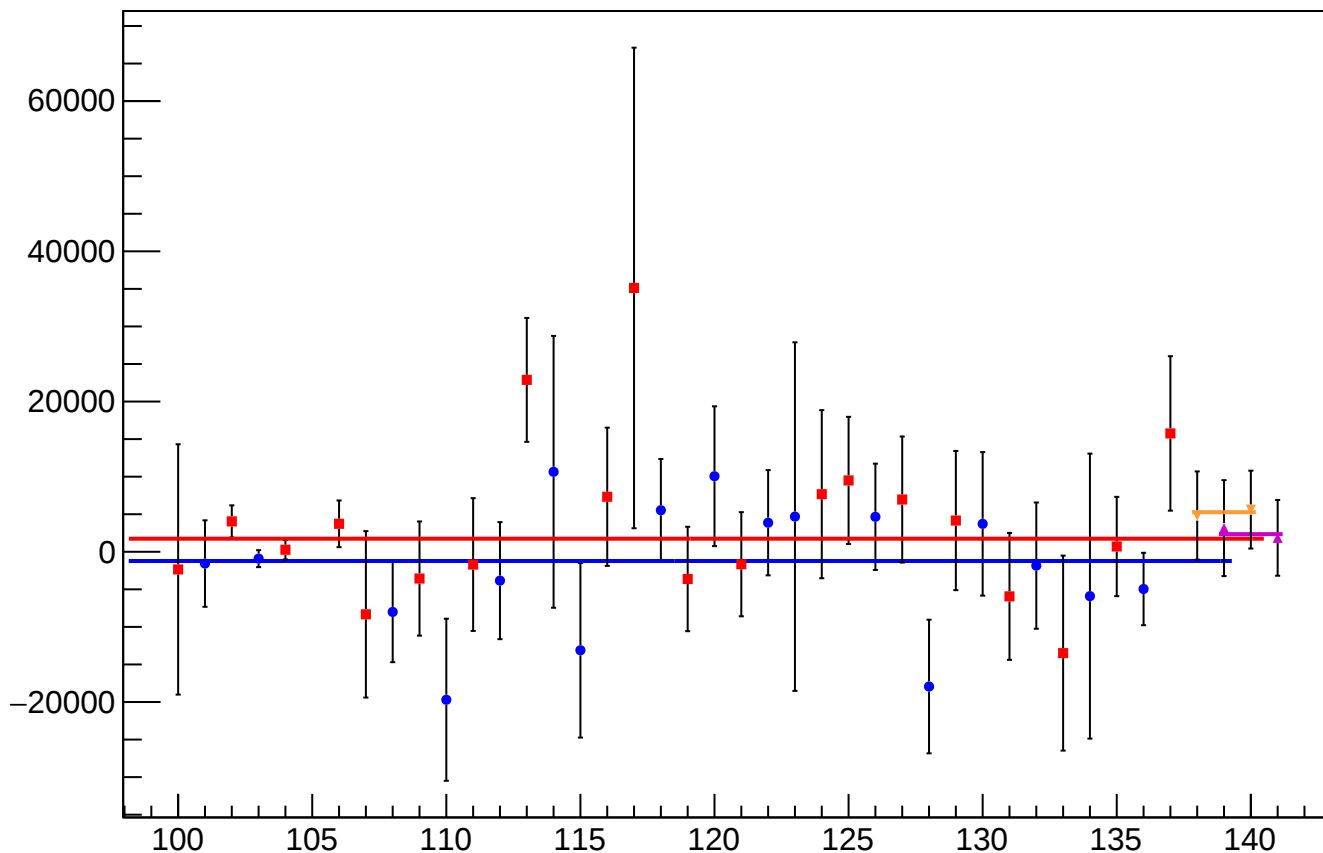
Right Out: 1926.906+/-0.520 χ^2/NDF : 362255.6/19

Left In: 1850.949+/-1.046 χ^2/NDF : 223.5/1

1885.360+/-0.472 χ^2/NDF : 289816.0/18

1911.825+/-0.466 χ^2/NDF : 366707.4/21

asym_atl1r2_avg_correction_mean vs Slug



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

Left Out: 5269.469+/-3885.131 χ^2/NDF : 0.0/1

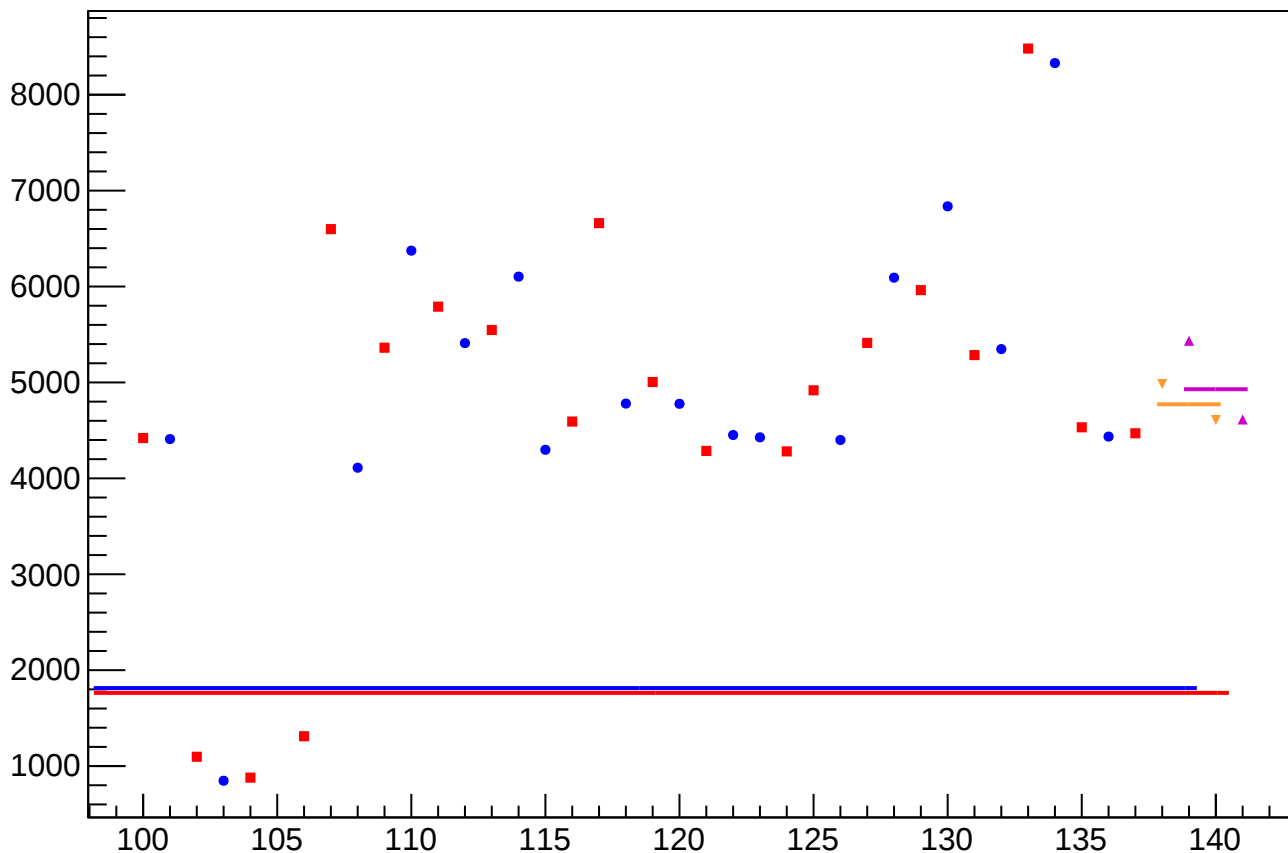
Right Out: 1740.671+/-941.173 χ^2/NDF : 18.9/19

Left In: 2350.642+/-3957.998 χ^2/NDF : 0.0/1

-834.858+/-954.430 χ^2/NDF : 16.5/18

1773.315+/-915.642 χ^2/NDF : 18.9/21

asym_atl1r2_avg_correction_rms vs Slug



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

Left Out: 4772.280+/-2.747 χ^2 /NDF:4586.1/1

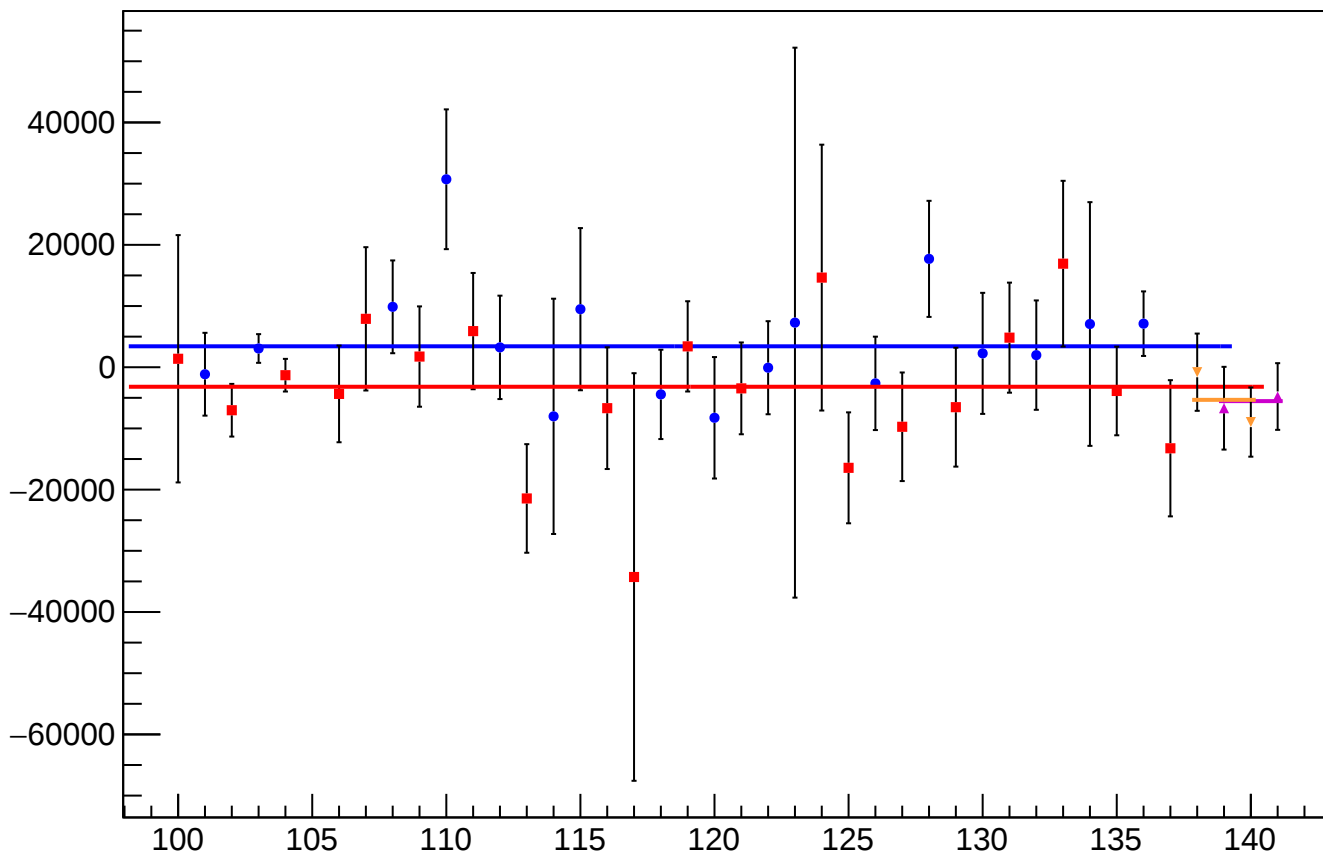
Right Out: 1763.378+/-0.666 χ^2 /NDF: 6359993.8/19

Left In: 4929.336+/-2.799 χ^2 /NDF:20340.9/1

1991.776+/-0.675 χ^2 /NDF: 7543807.9/18

1932.814+/-0.647 χ^2 /NDF: 7591494.8/21

asym_atl1r2_avg_mean vs Slug



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

Left Out: -5329.406+/-4212.410 χ^2/NDF : 0.9/1

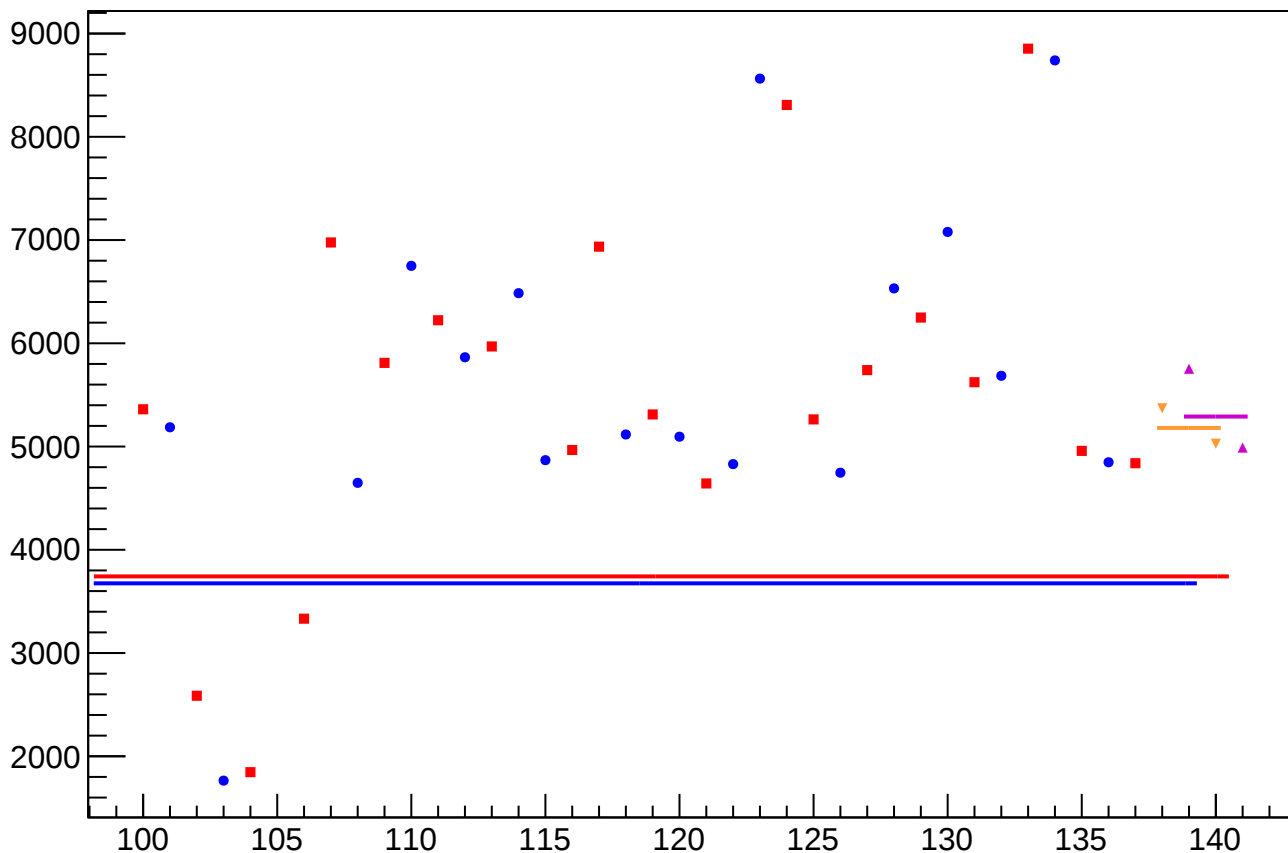
Right Out: -3190.143+/-1604.066 χ^2/NDF : 16.9/19

Left In: -5536.594+/-4242.350 χ^2/NDF : 0.0/1

2309.914+/-1501.189 χ^2/NDF : 18.4/18

-3483.644+/-1500.395 χ^2/NDF : 17.2/21

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003+/-1.136 χ^2 /NDF: 2775085.7/16

Left Out: 5180.295+/-2.979 χ^2 /NDF:3274.2/1

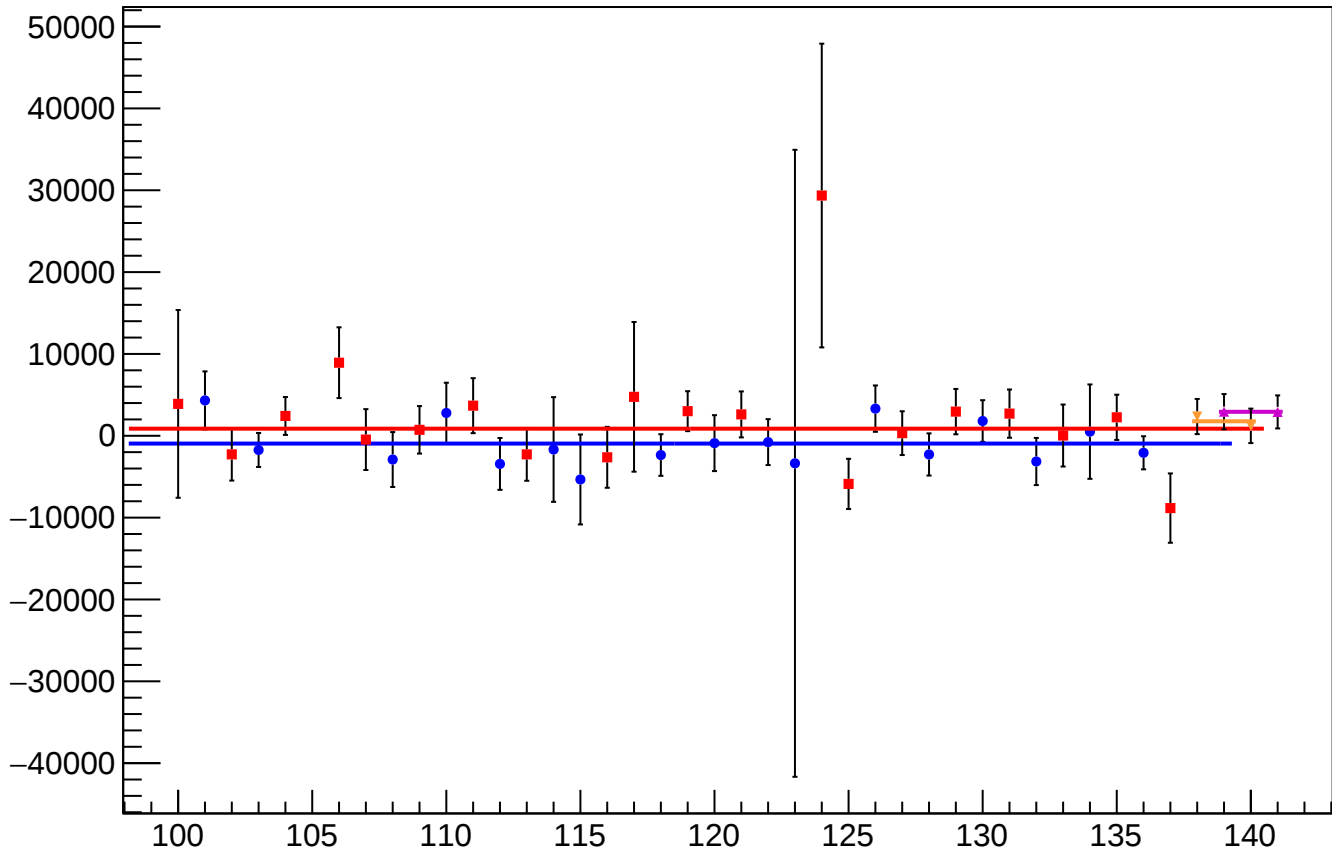
Right Out: 3742.124+/-1.127 χ^2 /NDF: 2712365.3/19

Left In: 5290.497+/-3.000 χ^2 /NDF:15460.2/1

3866.178+/-1.062 χ^2 /NDF: 3001318.1/18

3933.558+/-1.055 χ^2 /NDF: 2961307.4/21

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 1772.059+/-1504.332 χ^2/NDF : 0.1/1

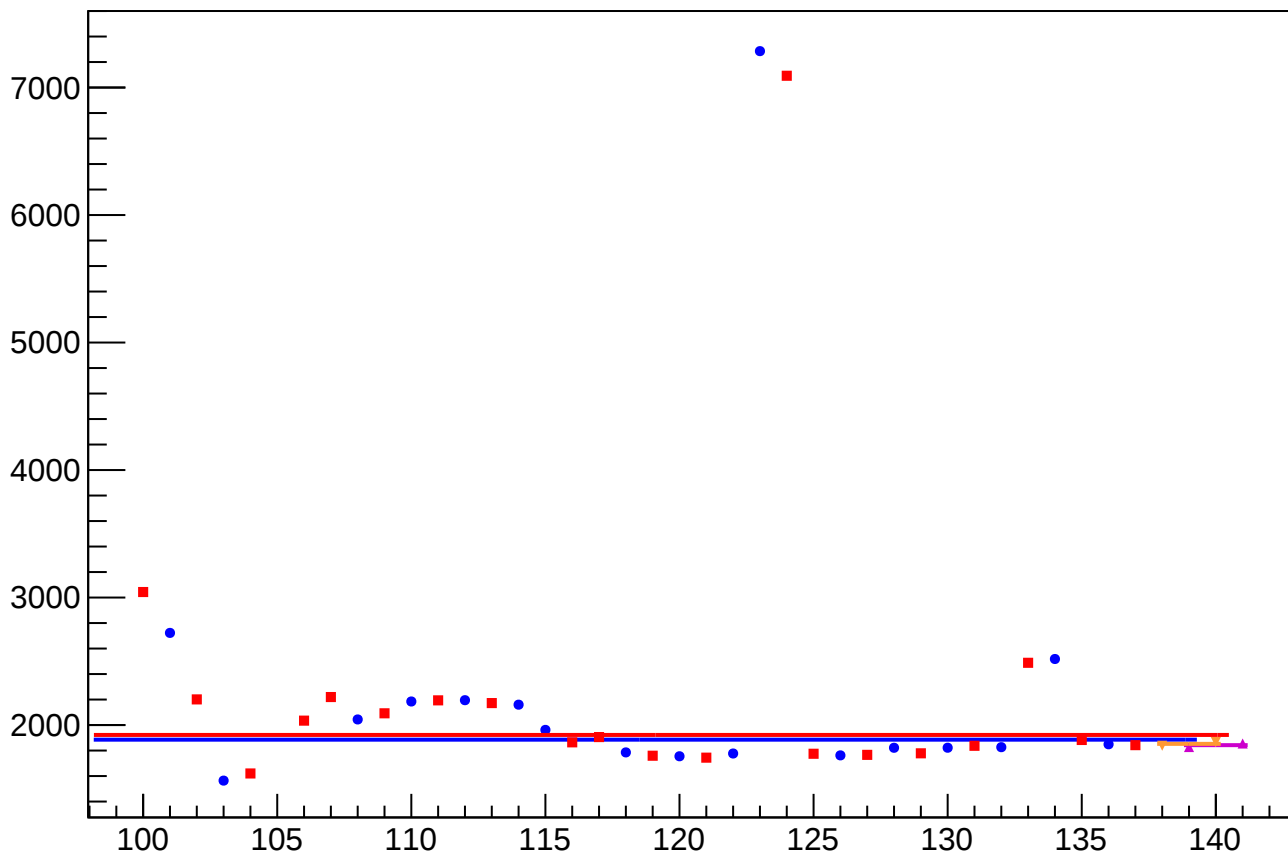
Right Out: 868.810+/-735.140 χ^2/NDF : 22.7/19

Left In: 2930.762+/-1471.964 χ^2/NDF : 0.0/1

-419.991+/-664.493 χ^2/NDF : 12.7/18

1280.446+/-657.680 χ^2/NDF : 24.3/21

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1852.400+/-1.064 χ^2/NDF : 184.6/1

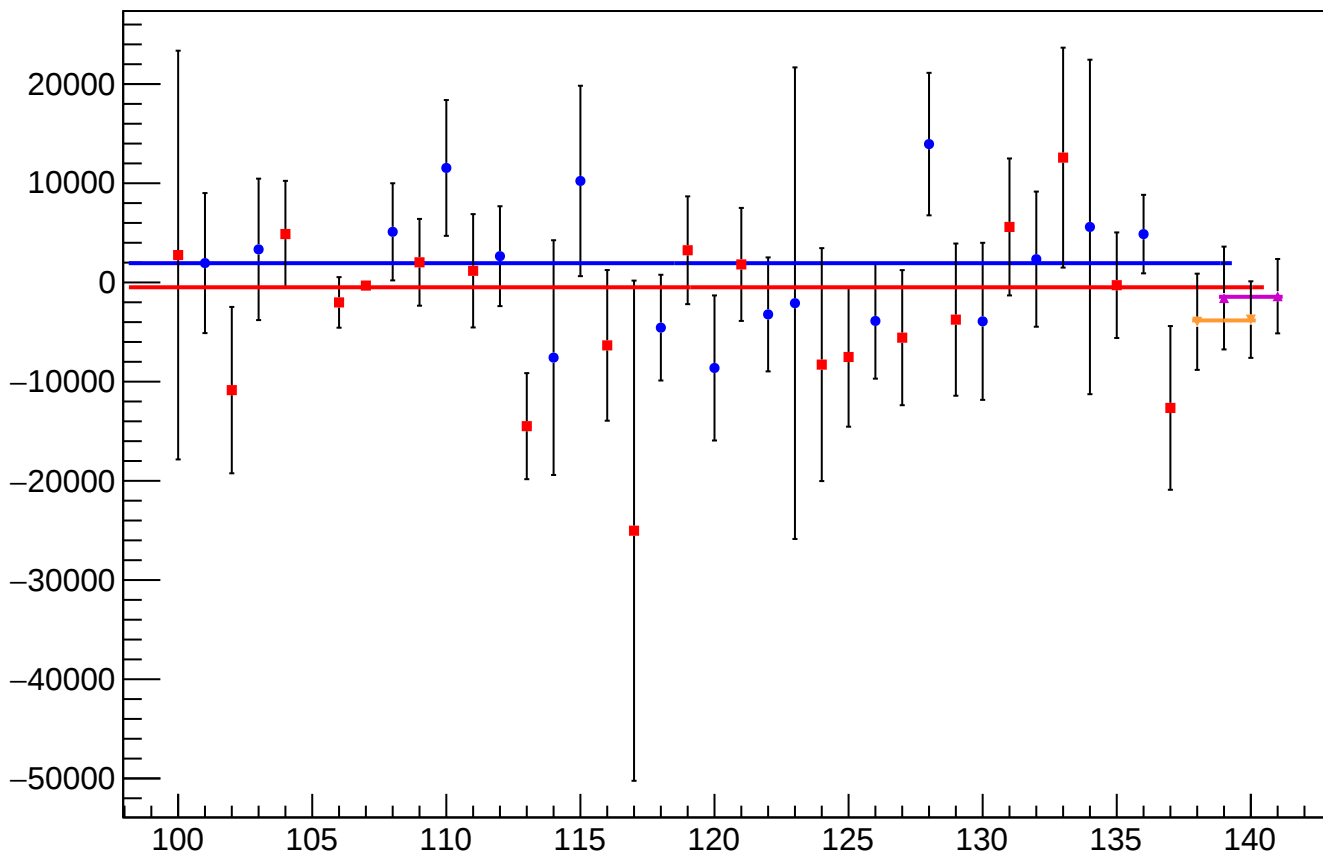
Right Out: 1922.430+/-0.519 χ^2/NDF : 351518.8/19

Left In: 1842.328+/-1.041 χ^2/NDF : 174.4/1

1878.929+/-0.470 χ^2/NDF : 281386.4/18

1906.478+/-0.464 χ^2/NDF : 356436.5/21

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178 $\pm$ 1581.060 χ^2/NDF : 13.2/16

Left Out: -3828.768 $\pm$ 3019.629 χ^2/NDF : 0.0/1

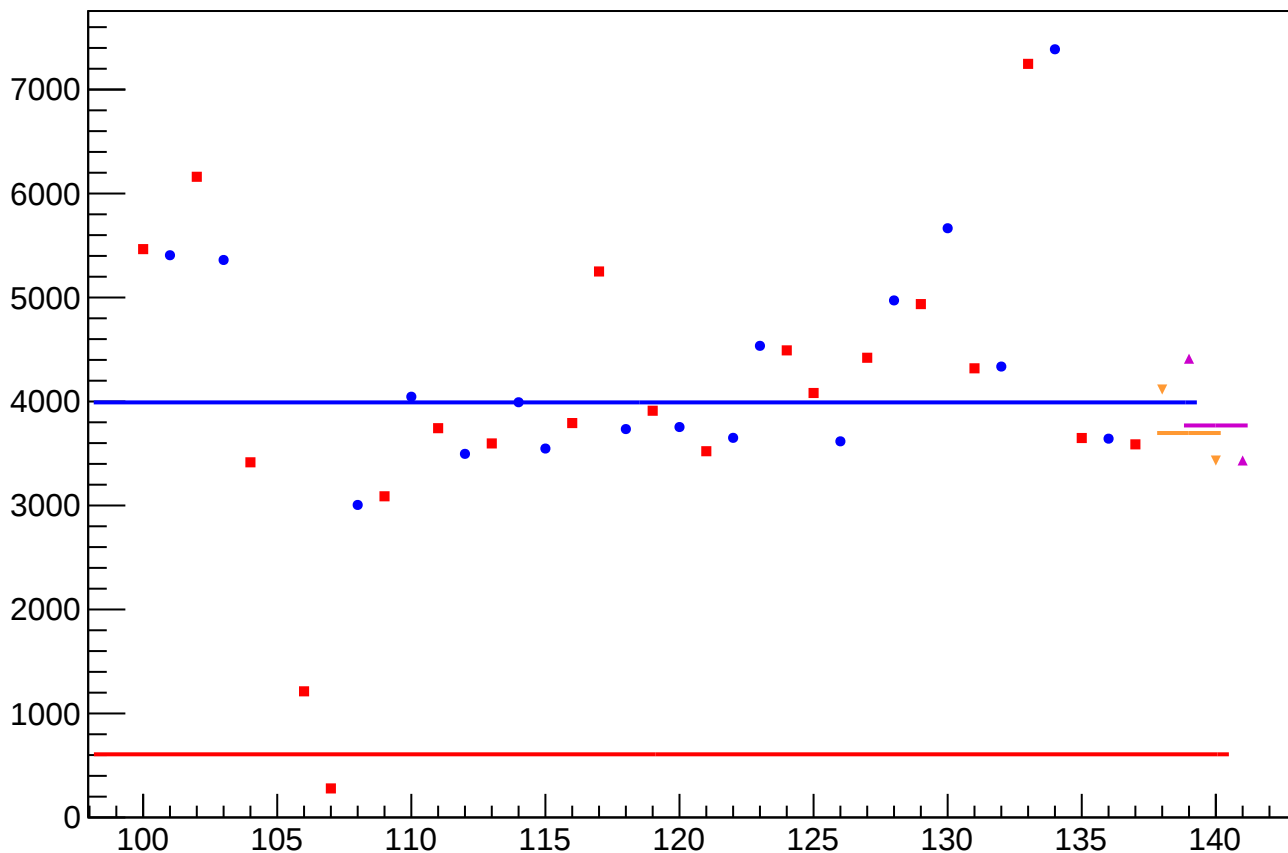
Right Out: -486.774 $\pm$ 453.611 χ^2/NDF : 19.0/19

Left In: -1447.301 $\pm$ 3038.130 χ^2/NDF : 0.0/1

701.266 $\pm$ 1400.677 χ^2/NDF : 16.1/18

-507.720 $\pm$ 448.638 χ^2/NDF : 19.1/21

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3697.078+/-2.135 χ^2/NDF : 24299.2/1

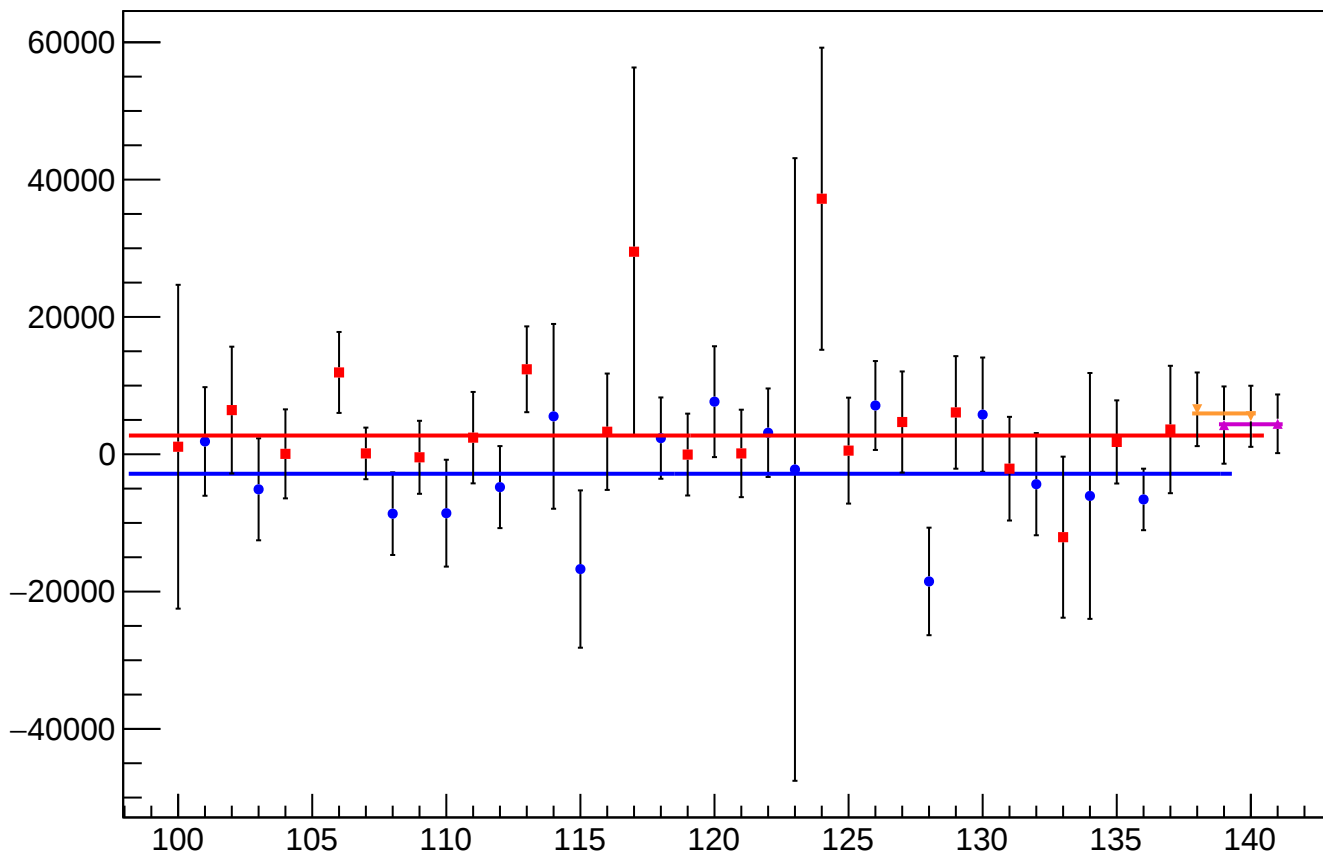
Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

Left In: 3769.592+/-2.148 χ^2/NDF : 46827.1/1

3928.085+/-0.990 χ^2/NDF : 549996.0/18

676.193+/-0.317 χ^2/NDF : 12480916.8/21

asym_atl1r2_dd_mean vs Slug



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

Left Out: 5945.723+/-3423.441 χ^2/NDF : 0.0/1

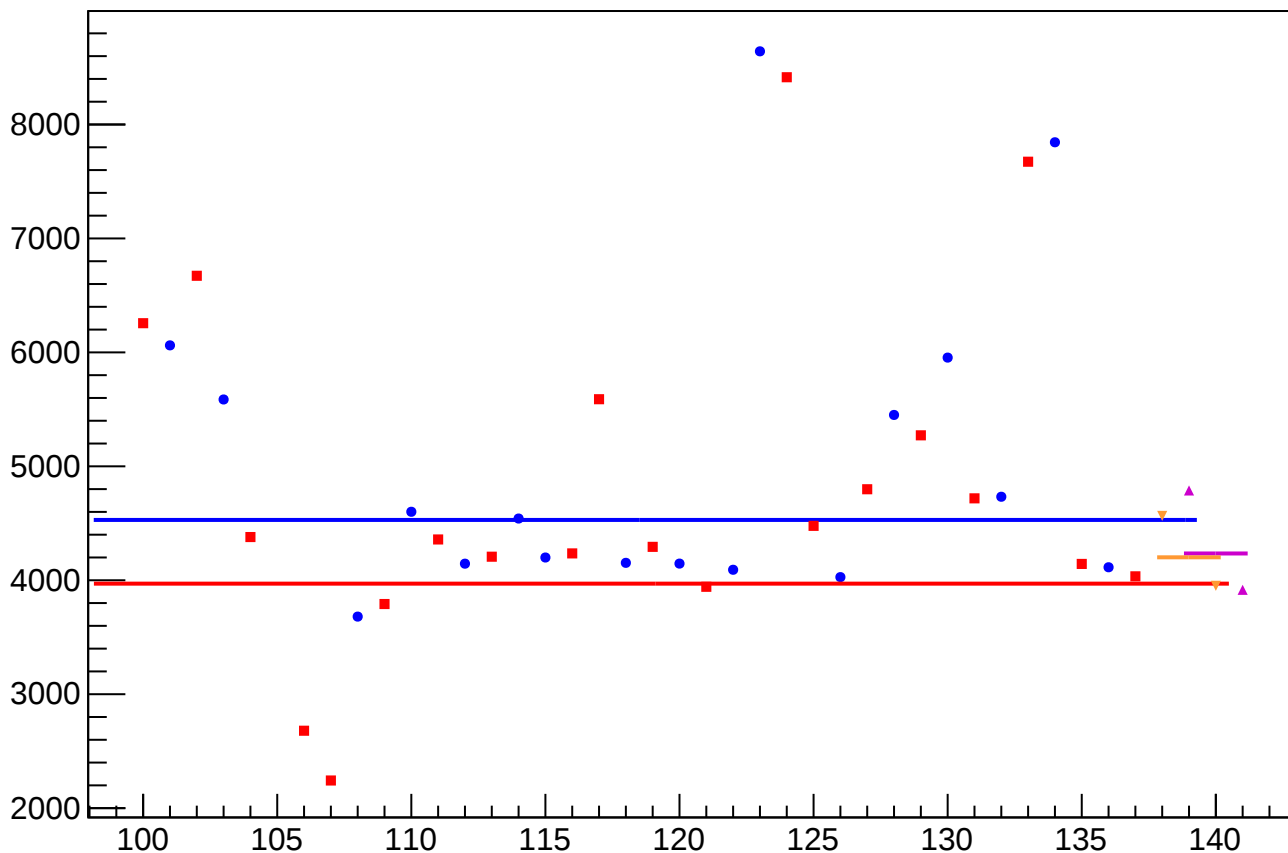
Right Out: 2729.311+/-1572.398 χ^2/NDF : 12.2/19

Left In: 4369.210+/-3402.109 χ^2/NDF : 0.0/1

-960.032+/-1583.481 χ^2/NDF : 20.6/18

3017.957+/-1427.323 χ^2/NDF : 12.4/21

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462+/-1.263 χ^2/NDF : 389326.2/16

Left Out: 4201.429+/-2.421 χ^2/NDF :15509.6/1

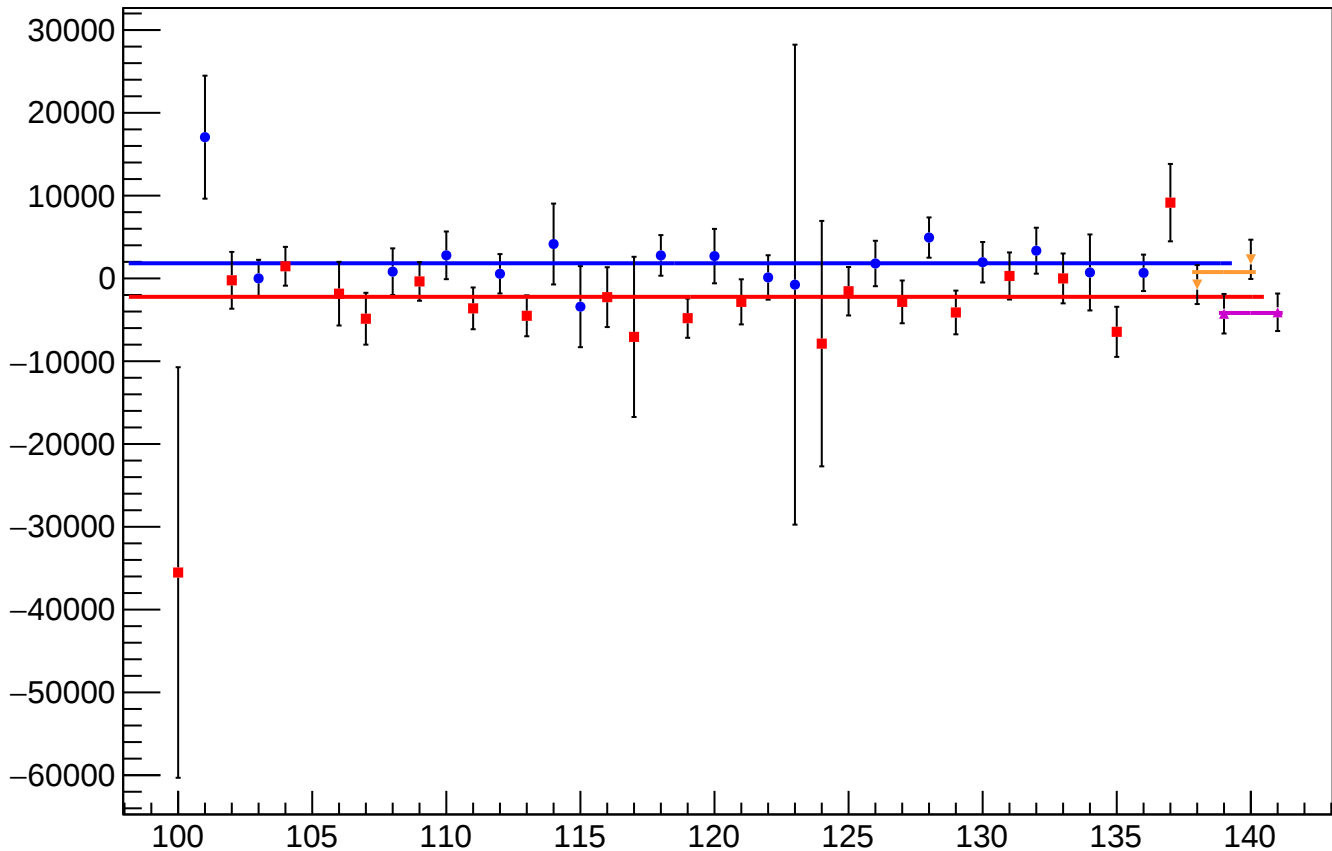
Right Out: 3970.336+/-1.105 χ^2/NDF : 1147711.9/19

Left In: 4235.110+/-2.406 χ^2/NDF :30474.1/1

4459.281+/-1.120 χ^2/NDF : 419270.0/18

4016.451+/-1.004 χ^2/NDF : 1188190.1/21

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102 ± 711.335 χ^2/NDF : 9.7/16

Left Out: 767.011 ± 1670.443 χ^2/NDF : 0.8/1

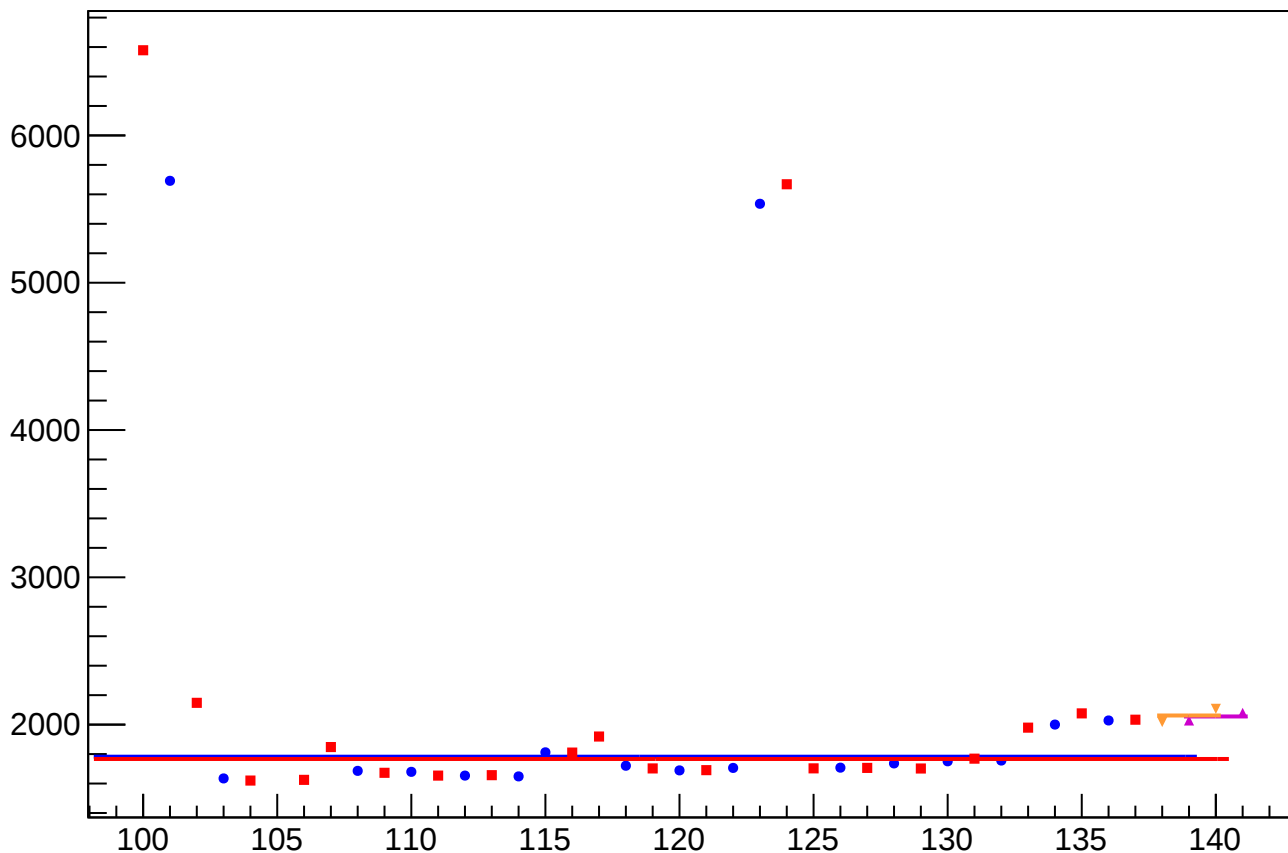
Right Out: -2222.274 ± 682.500 χ^2/NDF : 18.6/19

Left In: -4172.953 ± 1642.171 χ^2/NDF : 0.0/1

1666.916 ± 654.467 χ^2/NDF : 10.8/18

-2509.588 ± 630.237 χ^2/NDF : 19.8/21

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2061.943+/-1.181 χ^2/NDF :1444.7/1

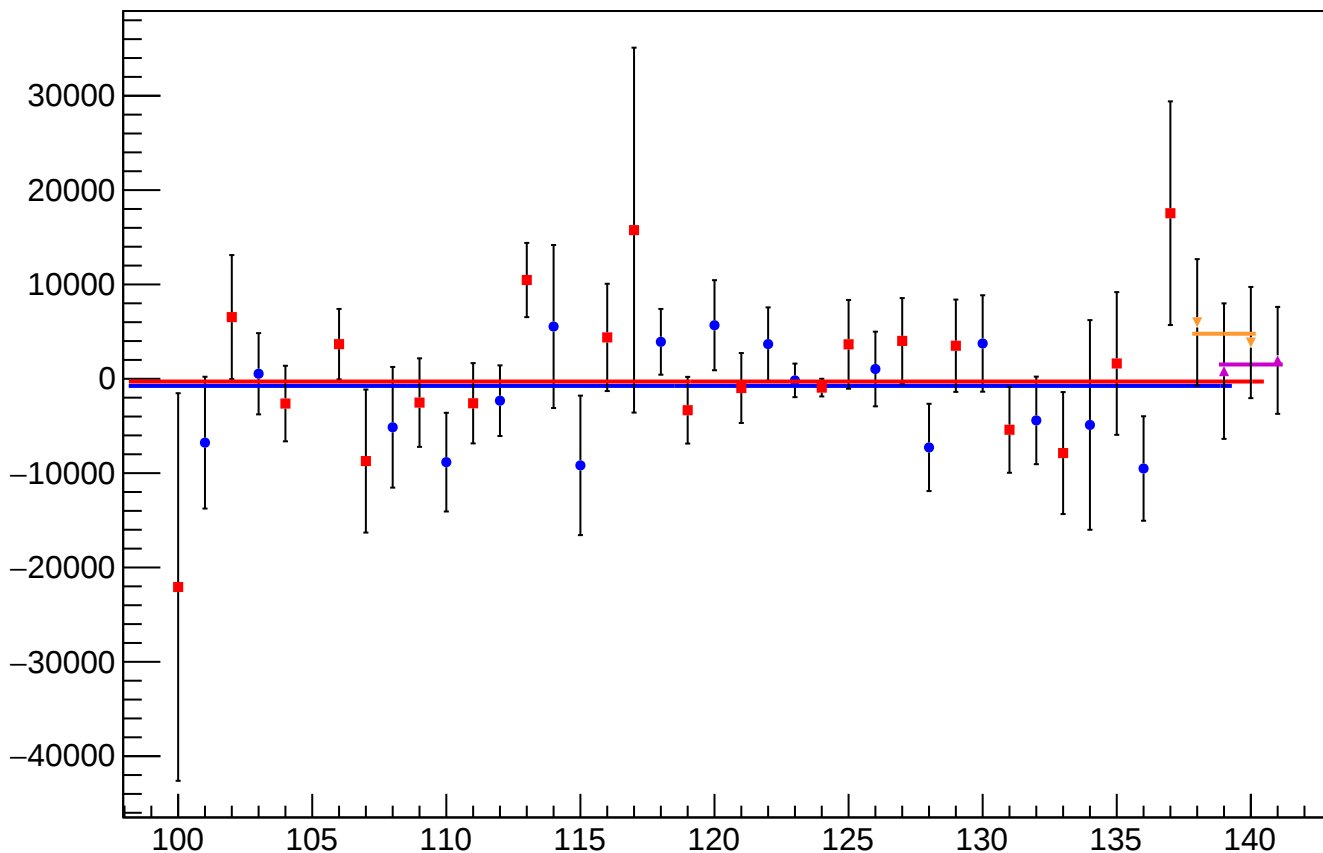
Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

Left In: 2055.350+/-1.161 χ^2/NDF :494.1/1

1825.087+/-0.463 χ^2/NDF : 694135.0/18

1808.738+/-0.443 χ^2/NDF : 360581.2/21

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: 4775.158+/-4426.127 χ^2/NDF : 0.1/1

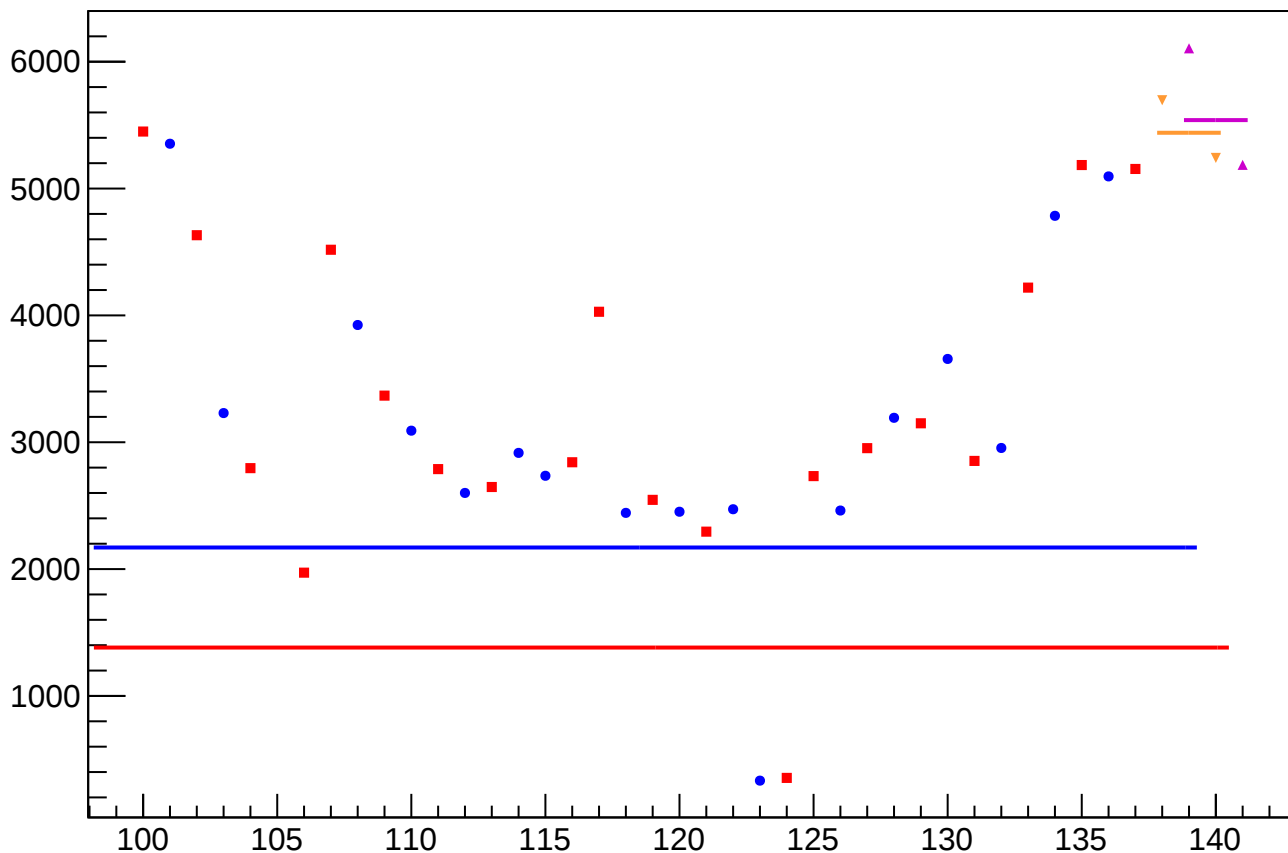
Right Out: -288.847+/-724.622 χ^2/NDF : 22.7/19

Left In: 1515.747+/-4448.370 χ^2/NDF : 0.0/1

-480.558+/-983.320 χ^2/NDF : 18.5/18

-242.199+/-715.196 χ^2/NDF : 22.9/21

asym_atr1l2_avg_correction_rms vs Slug



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

Left Out: 5439.821 $\pm$ 3.130 χ^2 /NDF: 5191.7/1

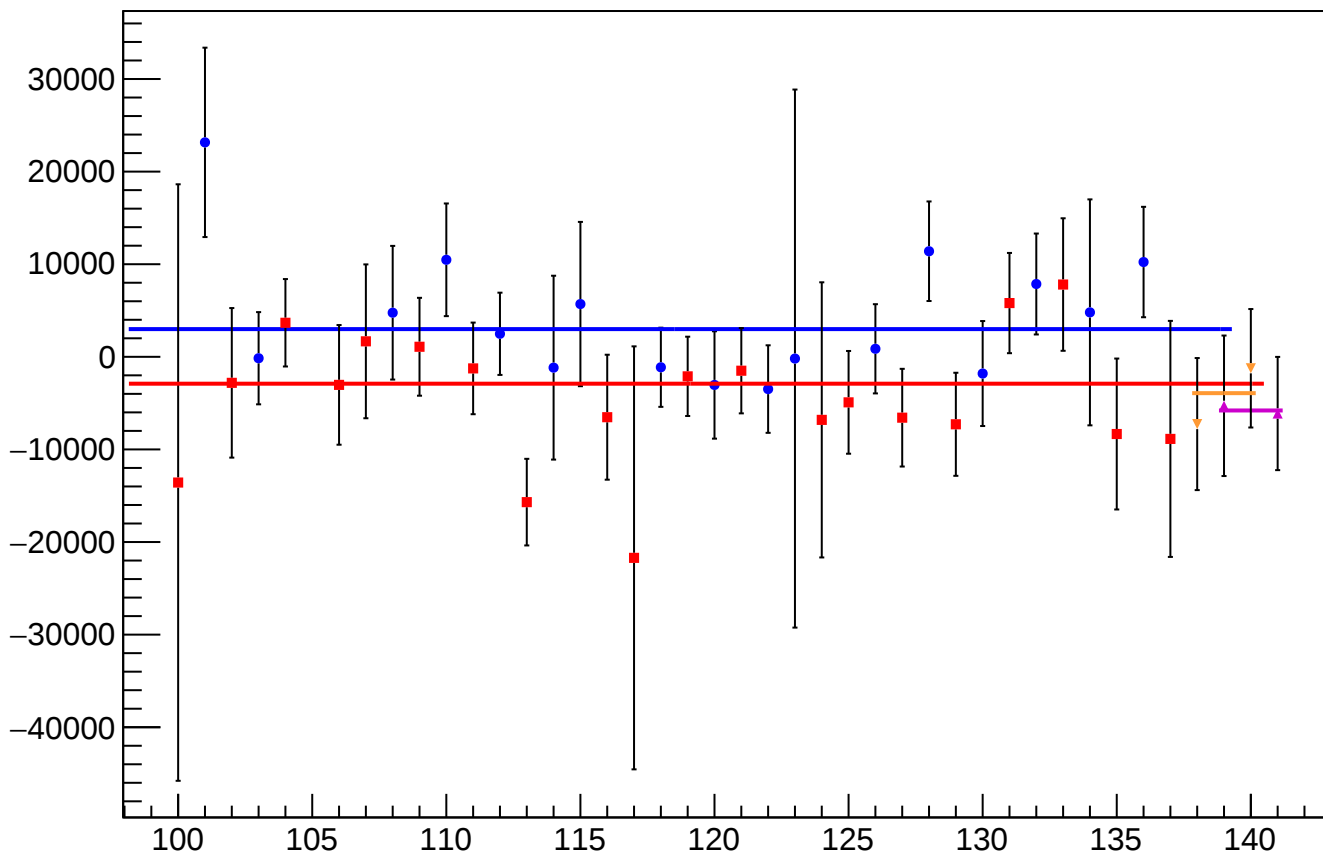
Right Out: 1381.438 $\pm$ 0.512 χ^2 /NDF: 6884822.3/19

Left In: 5539.622 $\pm$ 3.145 χ^2 /NDF: 20173.9/1

2331.616 $\pm$ 0.695 χ^2 /NDF: 5016406.9/18

1488.924 $\pm$ 0.506 χ^2 /NDF: 8607396.6/21

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: -3923.300 $\pm$ 4761.550 χ^2 /NDF: 0.4/1

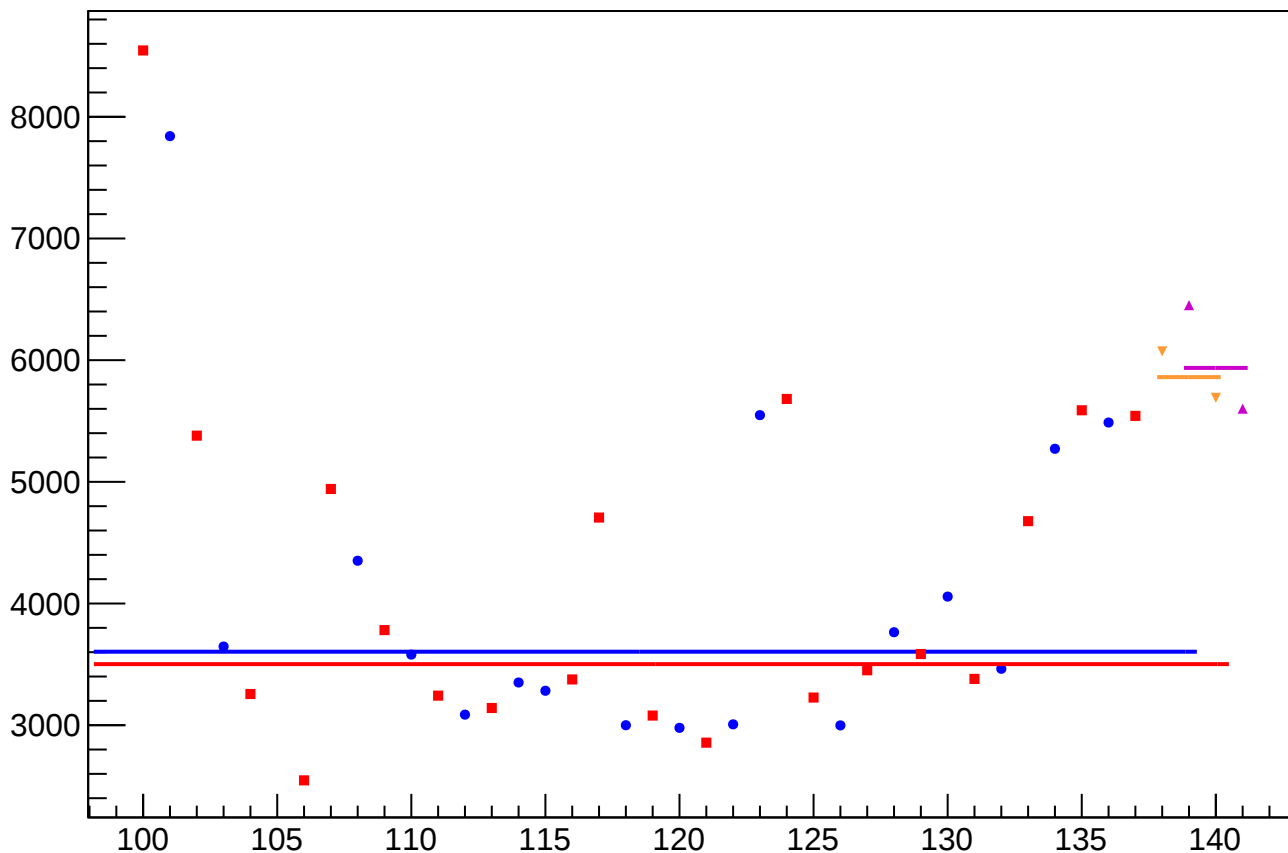
Right Out: -2901.985 $\pm$ 1376.603 χ^2 /NDF: 18.4/19

Left In: -5793.724 $\pm$ 4760.496 χ^2 /NDF: 0.0/1

2407.942 $\pm$ 1384.667 χ^2 /NDF: 18.0/18

-3125.134 $\pm$ 1322.422 χ^2 /NDF: 18.8/21

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 χ^2/NDF : 784674.5/16

Left Out: 5860.831 ± 3.367 χ^2/NDF : 3174.9/1

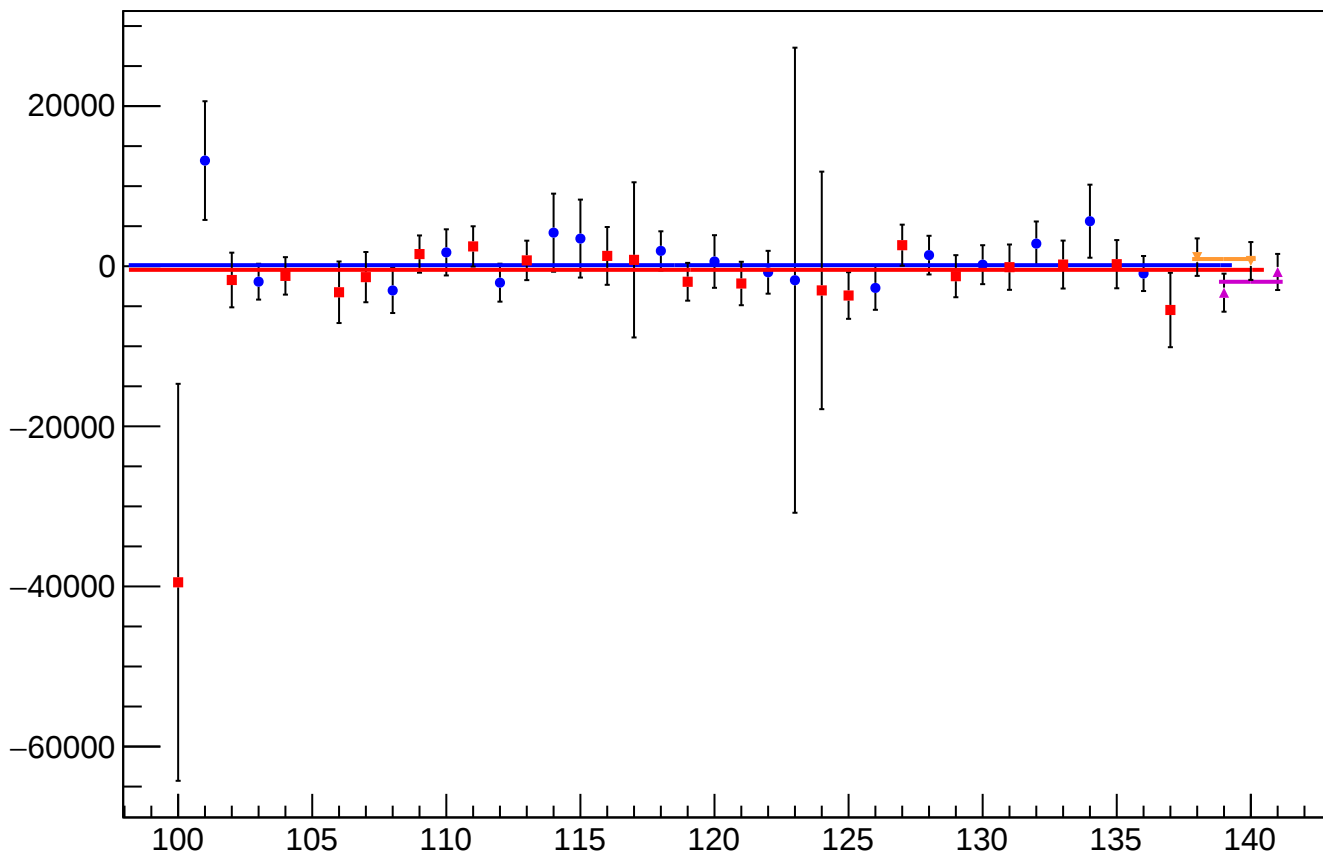
Right Out: 3501.857 ± 0.960 χ^2/NDF : 667483.1/19

Left In: 5936.454 ± 3.366 χ^2/NDF : 15241.7/1

3794.784 ± 0.979 χ^2/NDF : 1199175.4/18

3684.951 ± 0.923 χ^2/NDF : 1166479.7/21

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 896.911 $\pm$ 1663.166 χ^2 /NDF: 0.0/1

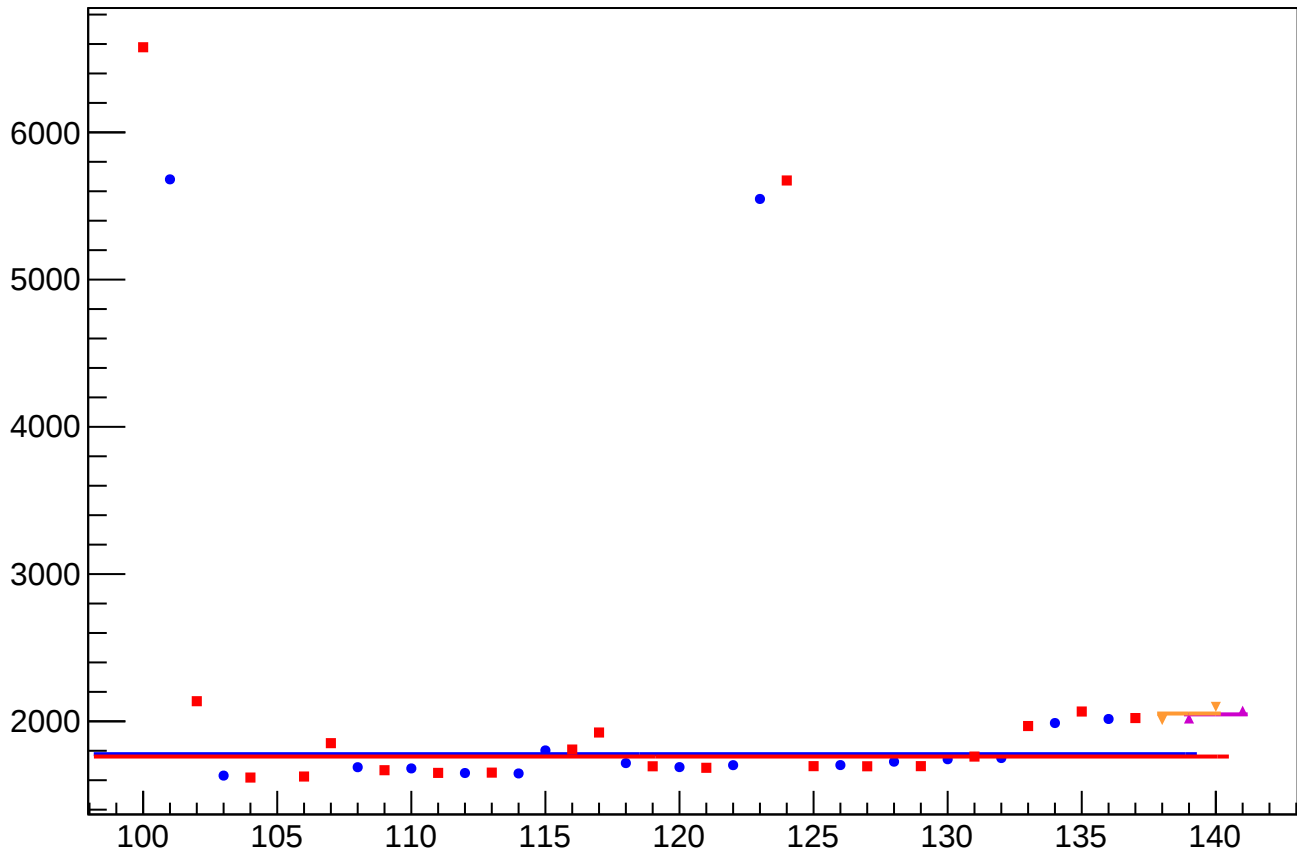
Right Out: -452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

Left In: -1945.105 $\pm$ 1635.584 χ^2 /NDF: 0.6/1

248.768 $\pm$ 652.371 χ^2 /NDF: 12.4/18

-672.881 $\pm$ 628.022 χ^2 /NDF: 12.1/21

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 2052.943+/-1.176 χ^2/NDF :1453.3/1

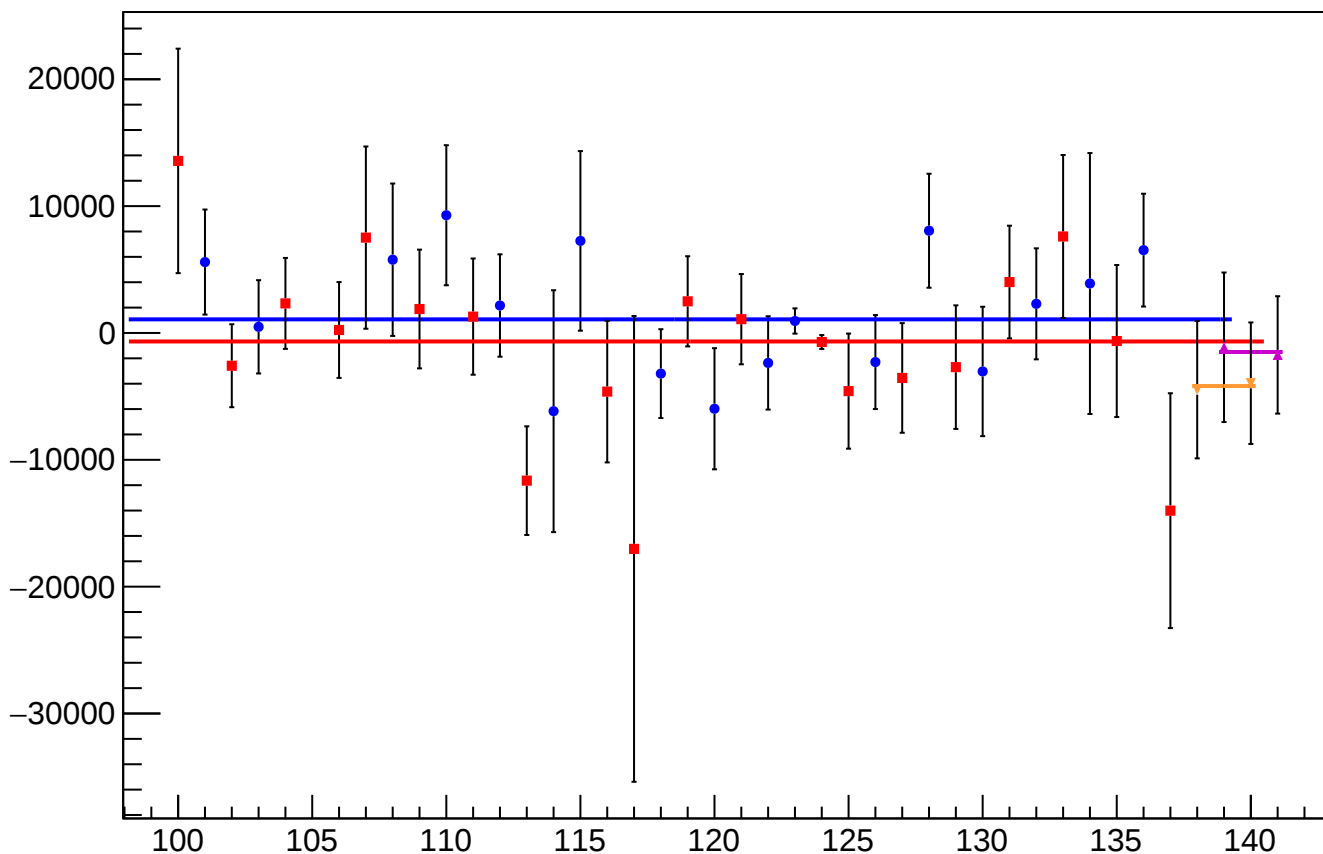
Right Out: 1760.787+/-0.478 χ^2/NDF : 306724.5/19

Left In: 2047.211+/-1.157 χ^2/NDF :521.3/1

1819.353+/-0.461 χ^2/NDF : 691655.3/18

1802.529+/-0.442 χ^2/NDF : 359641.3/21

asym_atr1l2_dd_correction_mean vs Slug



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

Left Out: -4183.755+/-3589.039 χ^2/NDF : 0.0/1

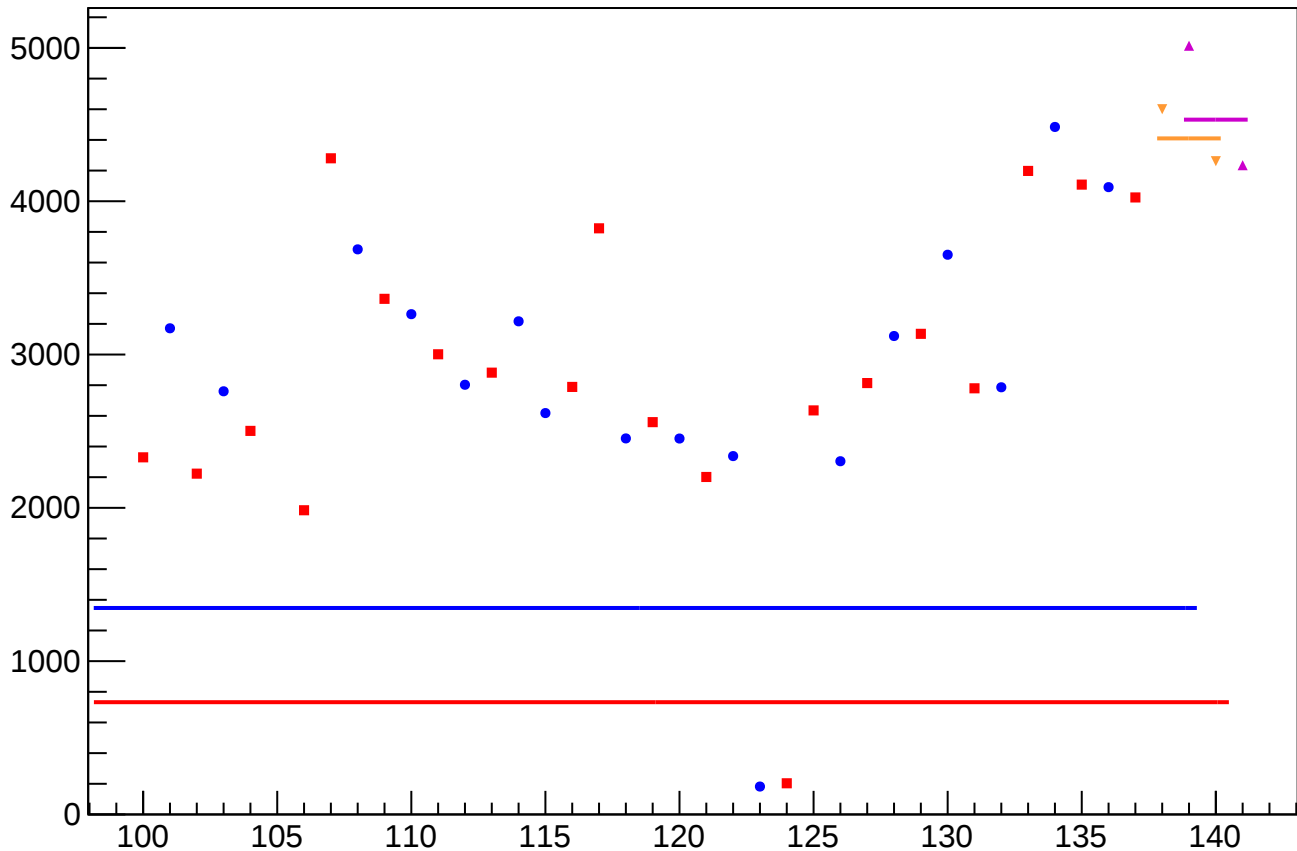
Right Out: -670.313+/-487.861 χ^2/NDF : 20.6/19

Left In: -1500.569+/-3639.199 χ^2/NDF : 0.0/1

850.996+/-736.280 χ^2/NDF : 17.6/18

-684.970+/-483.536 χ^2/NDF : 20.6/21

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 4409.864+/-2.538 χ^2/NDF : 4399.0/1

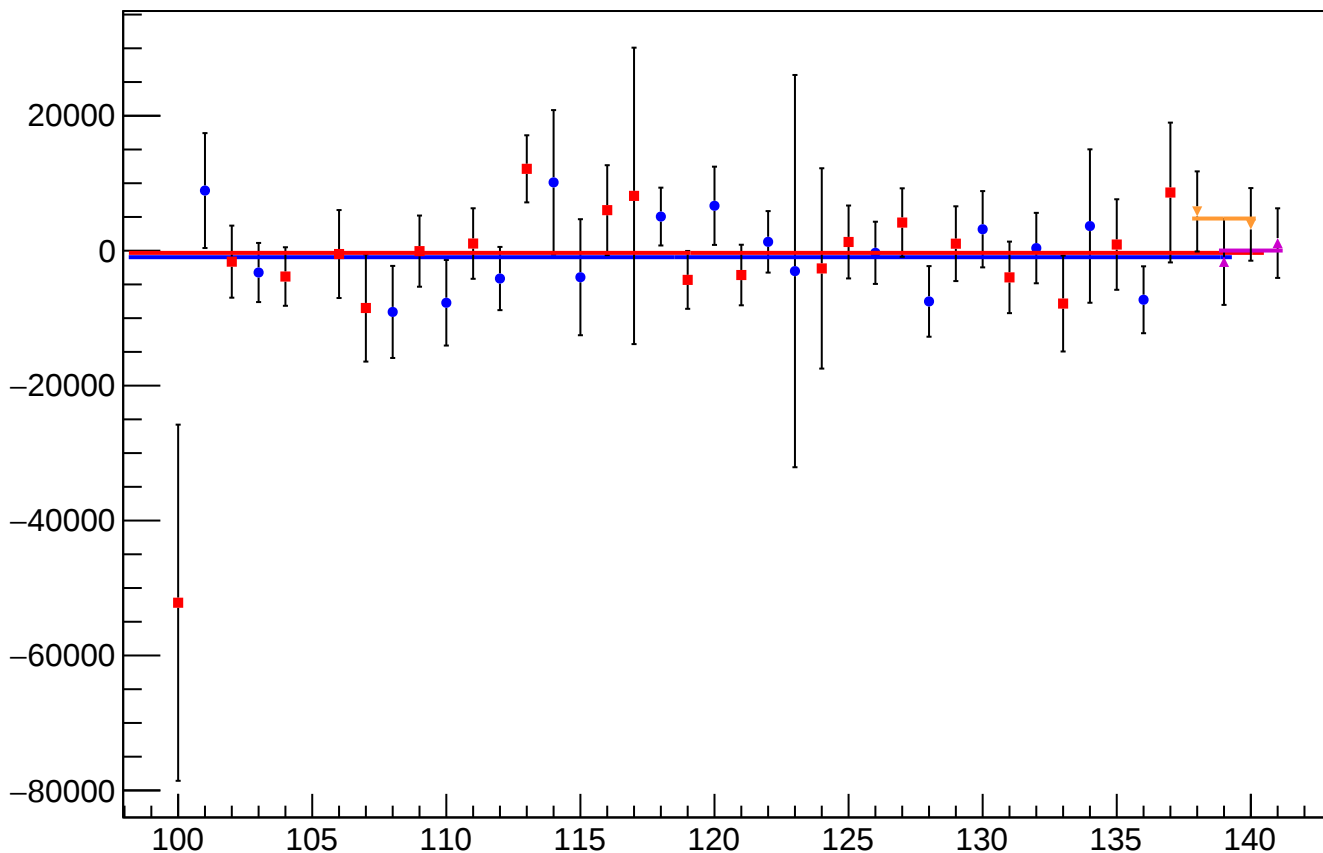
Right Out: 732.303+/-0.345 χ^2/NDF : 9559853.6/19

Left In: 4532.199+/-2.573 χ^2/NDF : 21638.0/1

1475.744+/-0.521 χ^2/NDF : 8238923.3/18

799.387+/-0.342 χ^2/NDF : 11723525.1/21

asym_atr1l2_dd_mean vs Slug



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 4767.280+/-3987.612 χ^2/NDF : 0.1/1

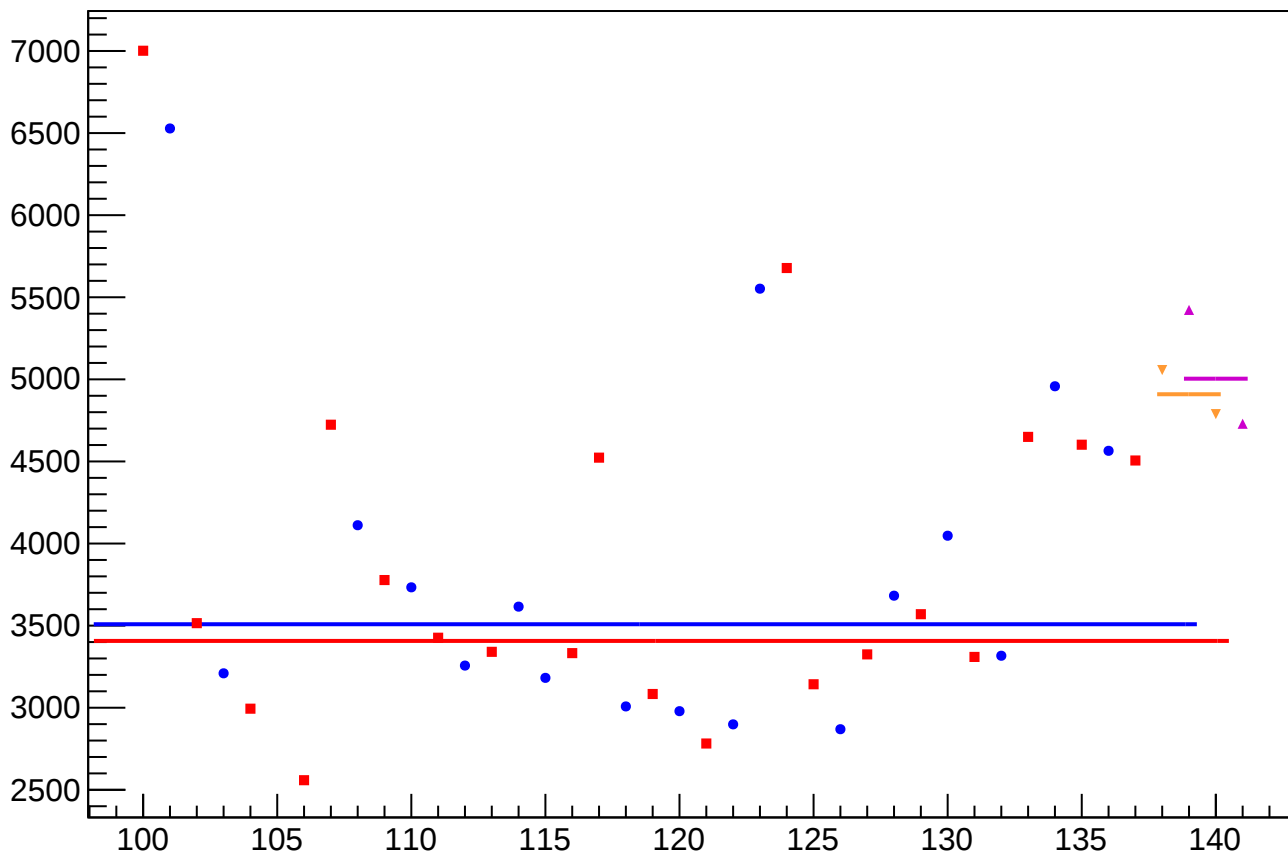
Right Out: -323.694+/-1327.331 χ^2/NDF : 17.8/19

Left In: 22.653+/-4010.529 χ^2/NDF : 0.1/1

-338.703+/-1317.277 χ^2/NDF : 15.6/18

-289.502+/-1260.110 χ^2/NDF : 17.9/21

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4909.333+/-2.820 χ^2/NDF :2243.5/1

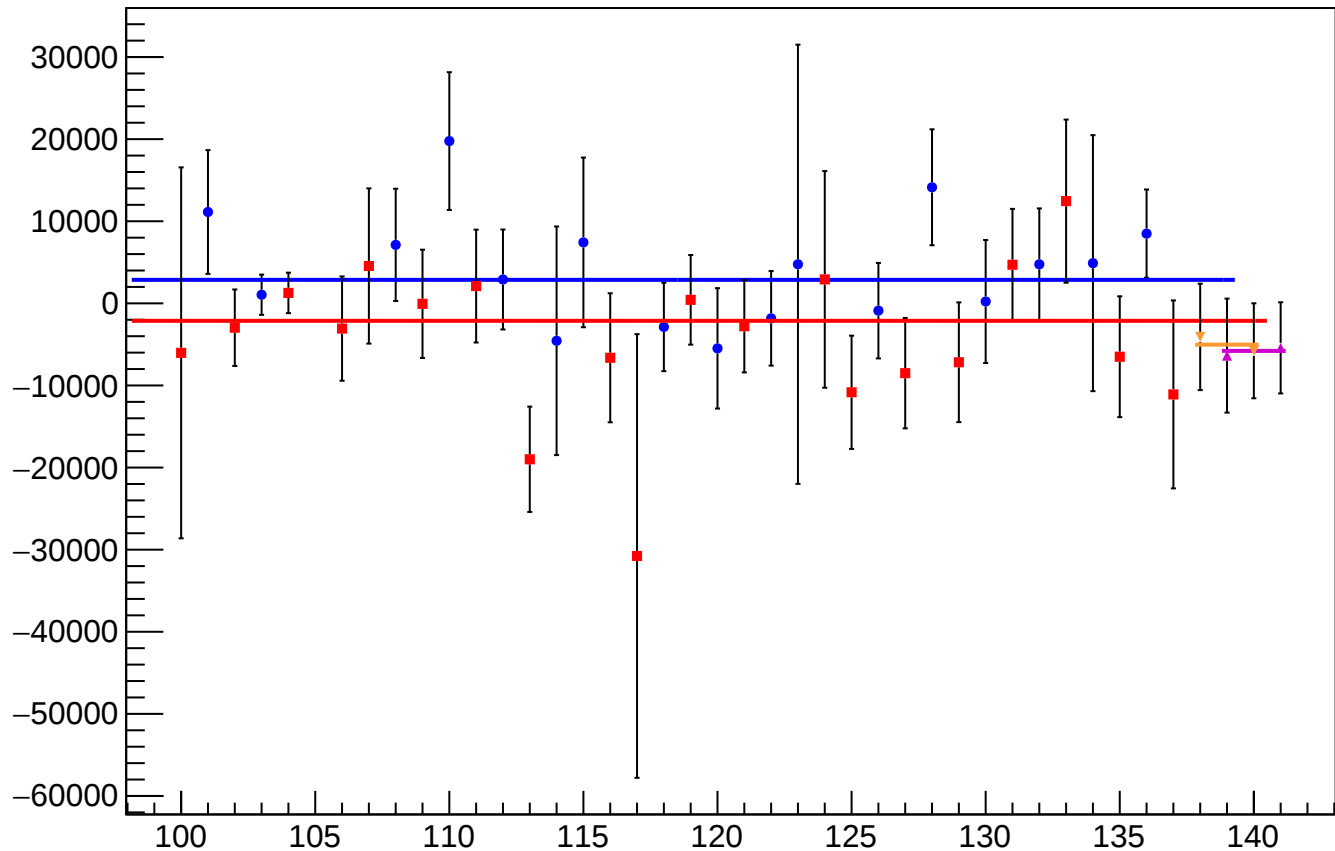
Right Out: 3406.868+/-0.926 χ^2/NDF : 433737.9/19

Left In: 5004.067+/-2.836 χ^2/NDF :14297.5/1

3661.351+/-0.931 χ^2/NDF : 784330.6/18

3560.895+/-0.881 χ^2/NDF : 734653.9/21

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: -5027.730 $\pm$ 4315.062 χ^2 /NDF: 0.0/1

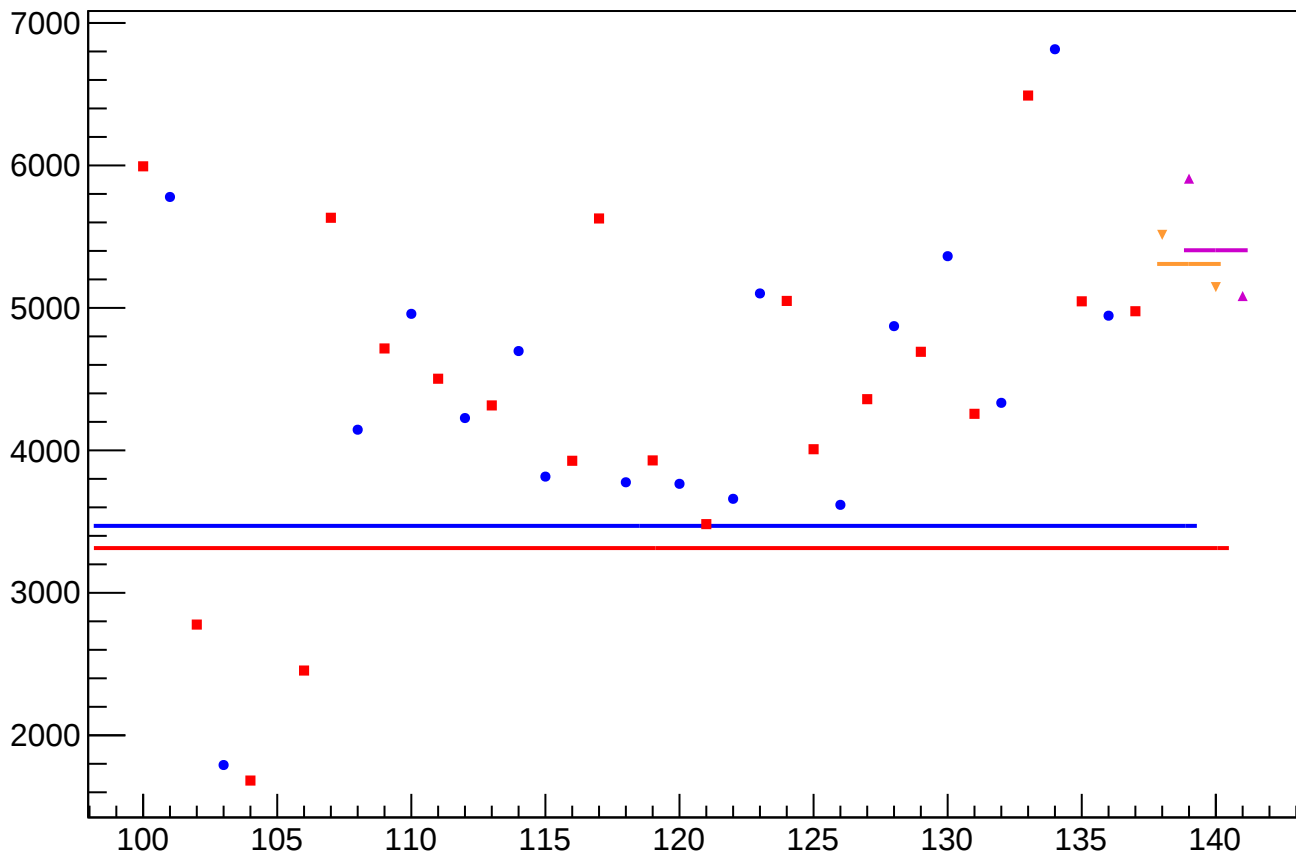
2061.351 $\pm$ 1376.737 χ^2 /NDF: 17.1/18

Right Out: -2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

-2462.998 $\pm$ 1314.812 χ^2 /NDF: 19.5/21

Left In: -5790.107 $\pm$ 4336.057 χ^2 /NDF: 0.0/1

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 5308.563+/-3.051 χ^2/NDF : 3564.6/1

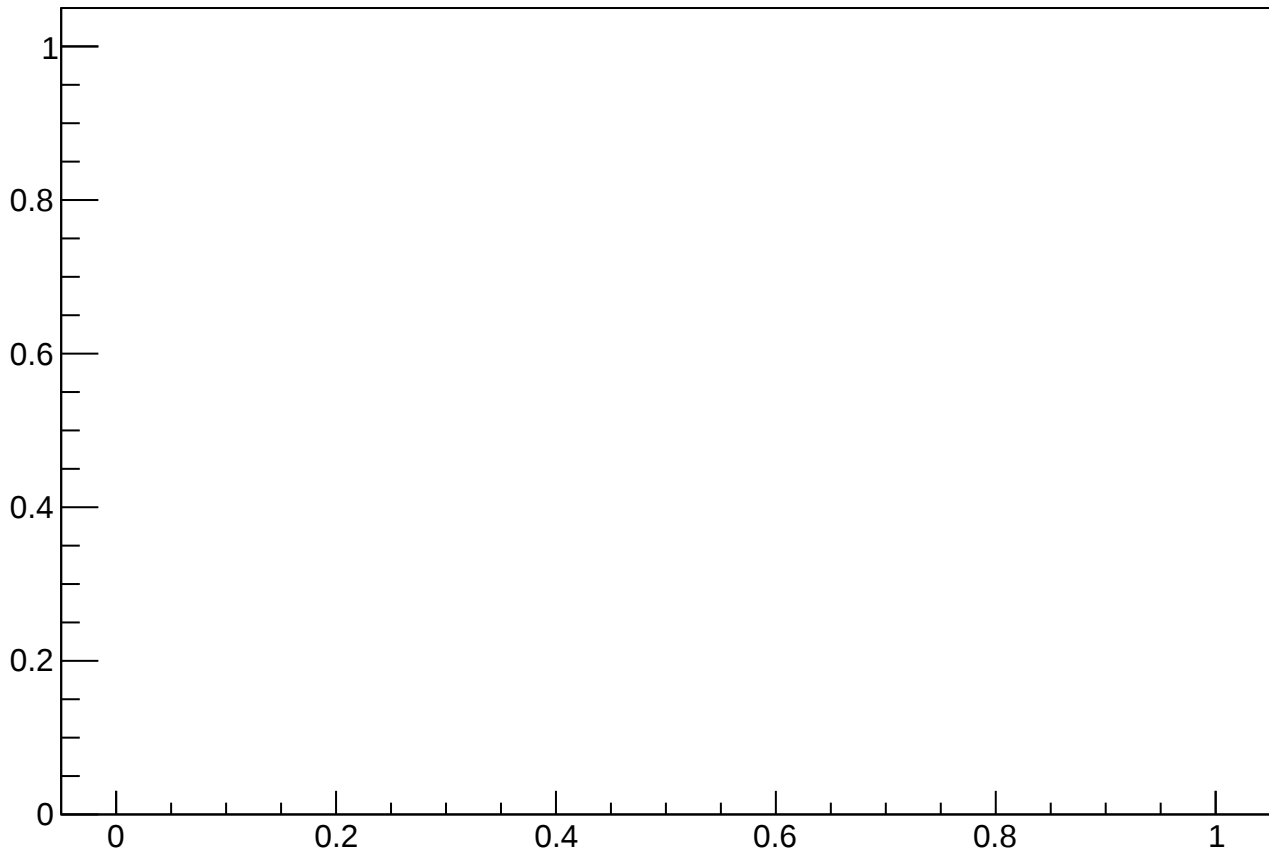
3657.187+/-0.973 χ^2/NDF : 2090539.9/18

Right Out: 3314.183+/-0.967 χ^2/NDF : 1925484.9/19

3503.224+/-0.922 χ^2/NDF : 2365500.8/21

Left In: 5404.659+/-3.066 χ^2/NDF : 17185.0/1

asym_atl_avg_atr_avg_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

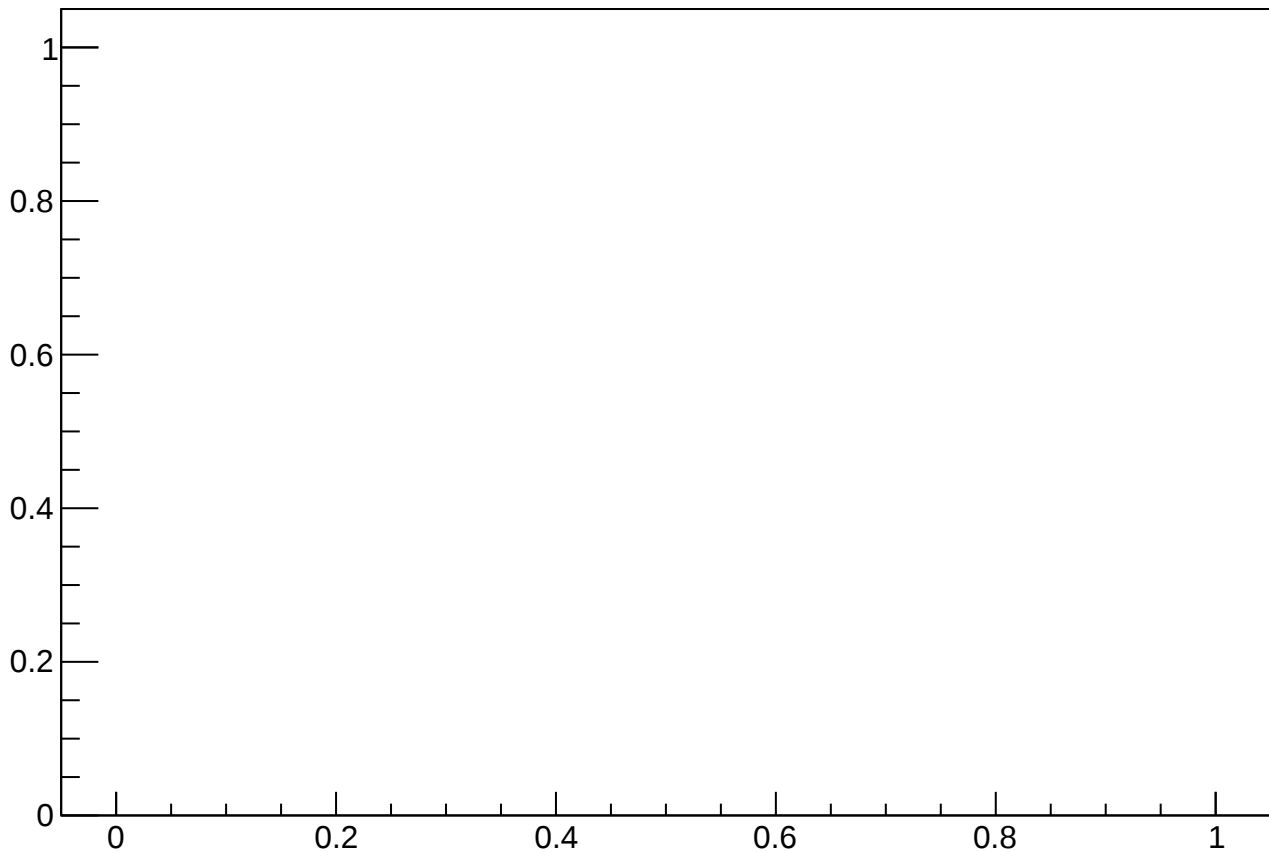
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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_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

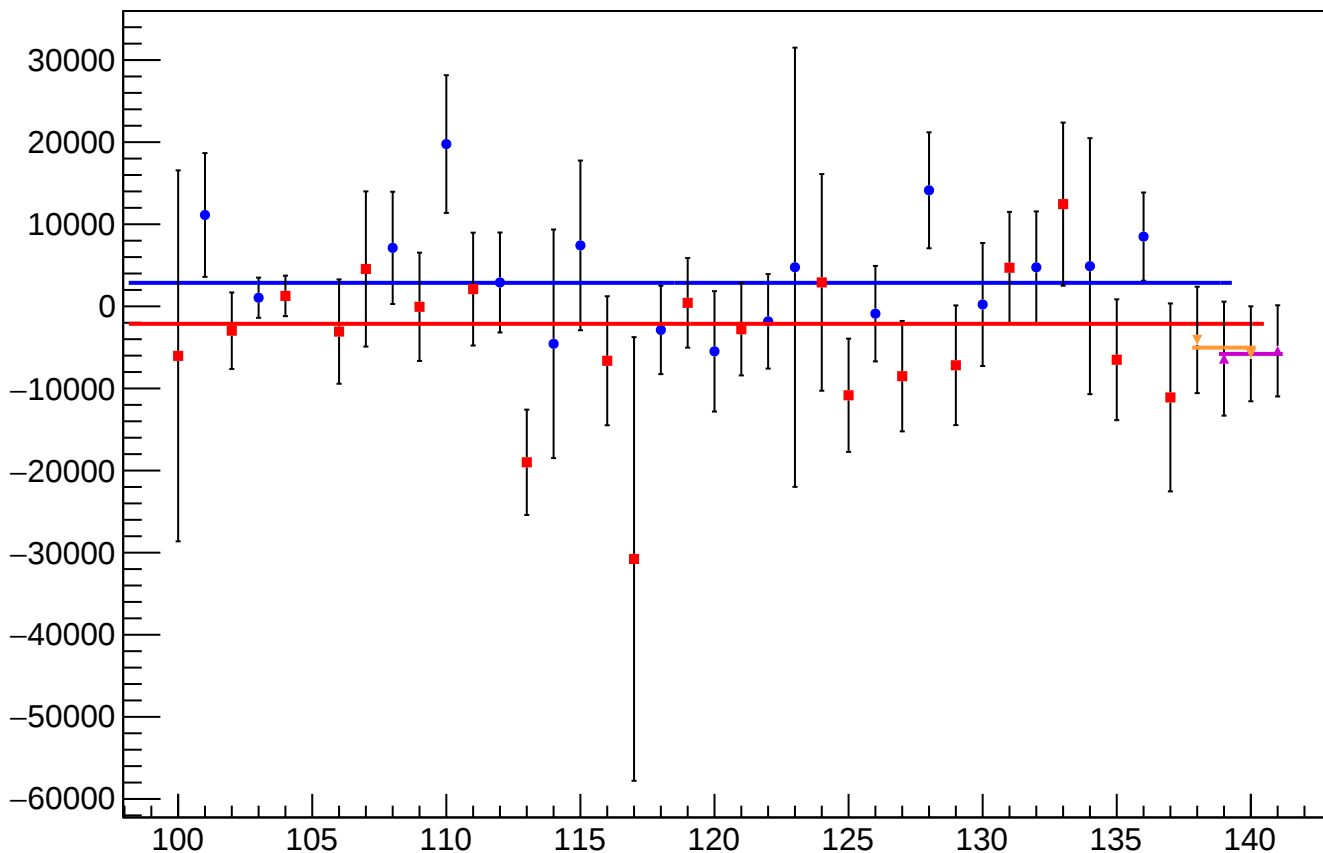
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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: -5027.730+/-4315.062 χ^2/NDF : 0.0/1

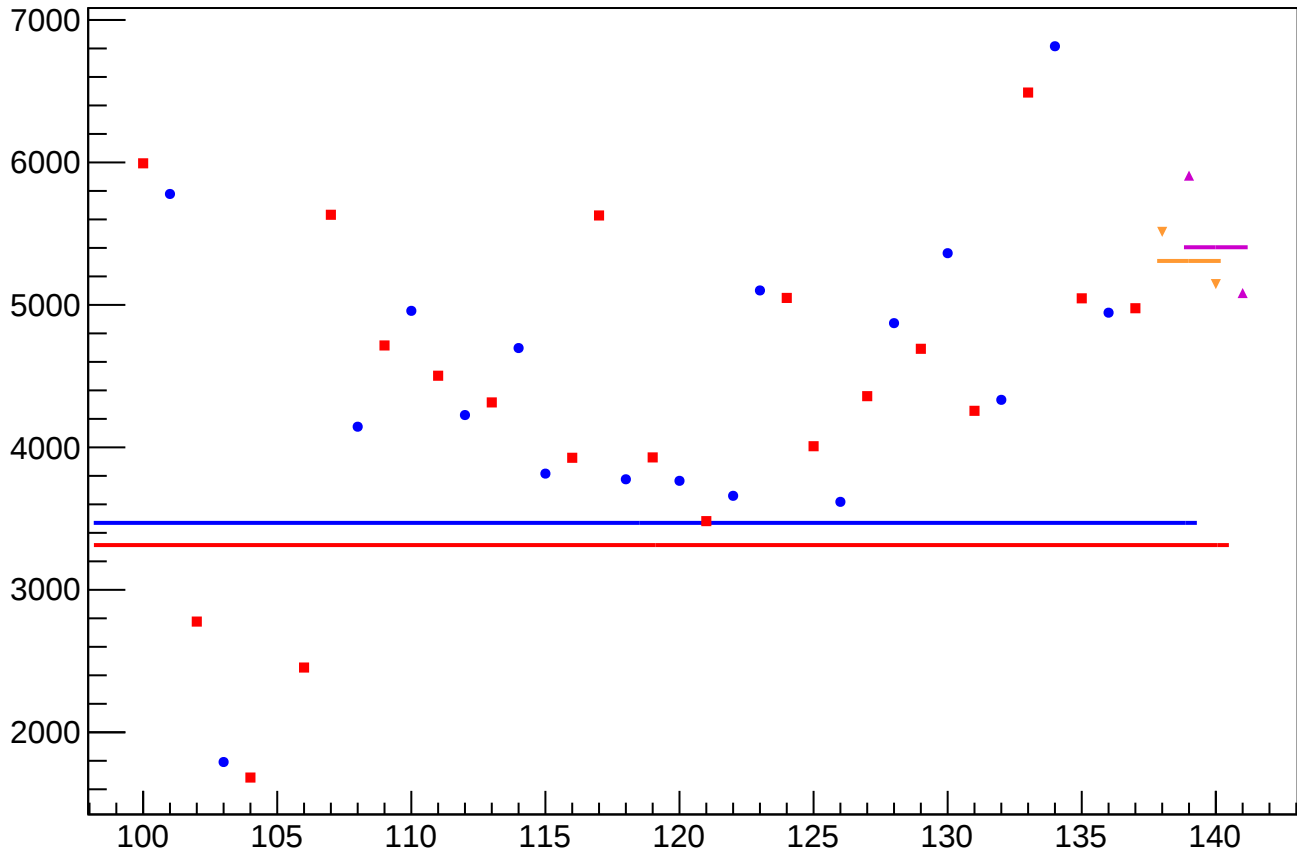
Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

Left In: -5790.107+/-4336.057 χ^2/NDF : 0.0/1

2061.351+/-1376.737 χ^2/NDF : 17.1/18

-2462.998+/-1314.812 χ^2/NDF : 19.5/21

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2/NDF : 1760860.6/16

Left Out: 5308.563 $\pm$ 3.051 χ^2/NDF :3564.6/1

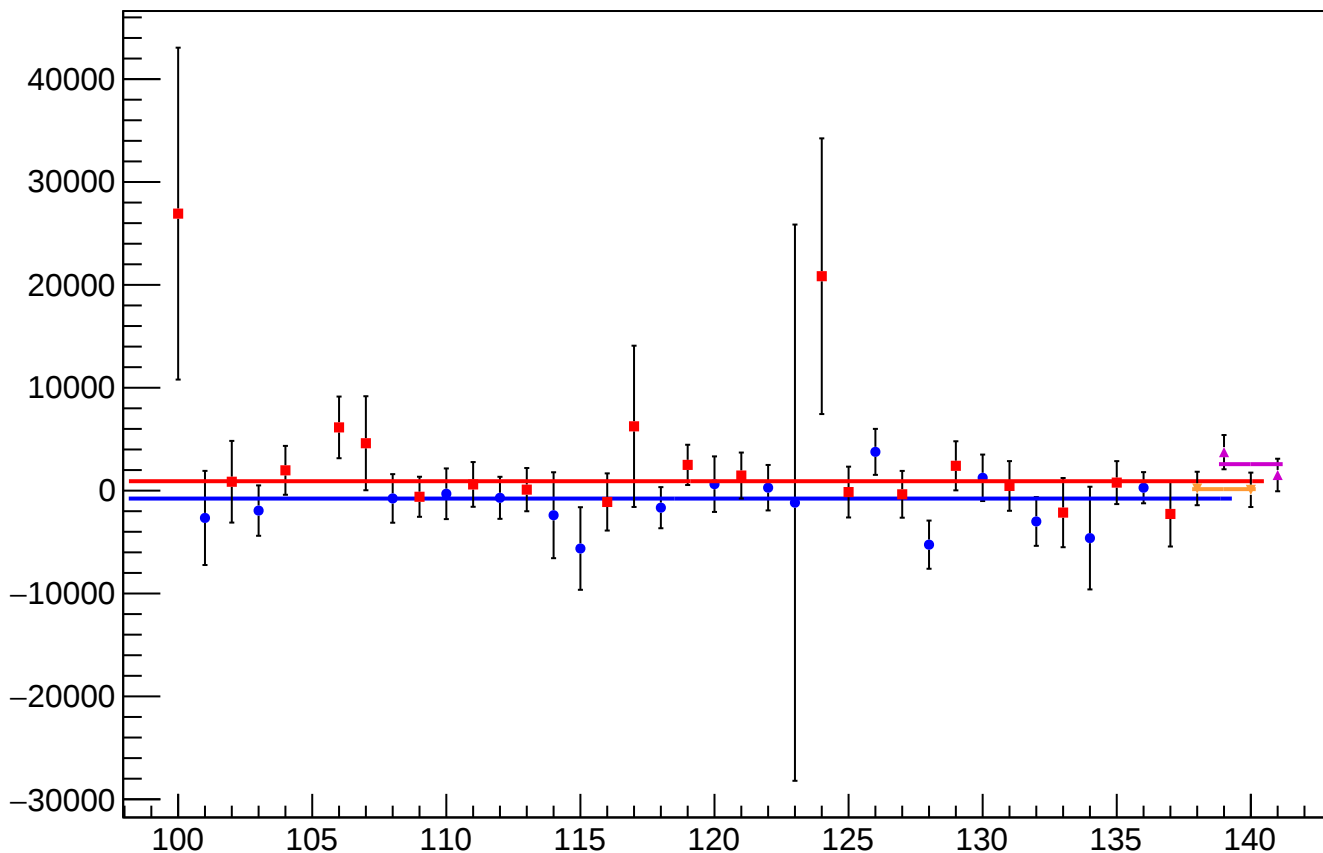
Right Out: 3314.183 $\pm$ 0.967 χ^2/NDF : 1925484.9/19

Left In: 5404.659 $\pm$ 3.066 χ^2/NDF :17185.0/1

3657.187 $\pm$ 0.973 χ^2/NDF : 2090539.9/18

3503.224 $\pm$ 0.922 χ^2/NDF : 2365500.8/21

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 145.677+/-1165.812 χ^2/NDF : 0.0/1

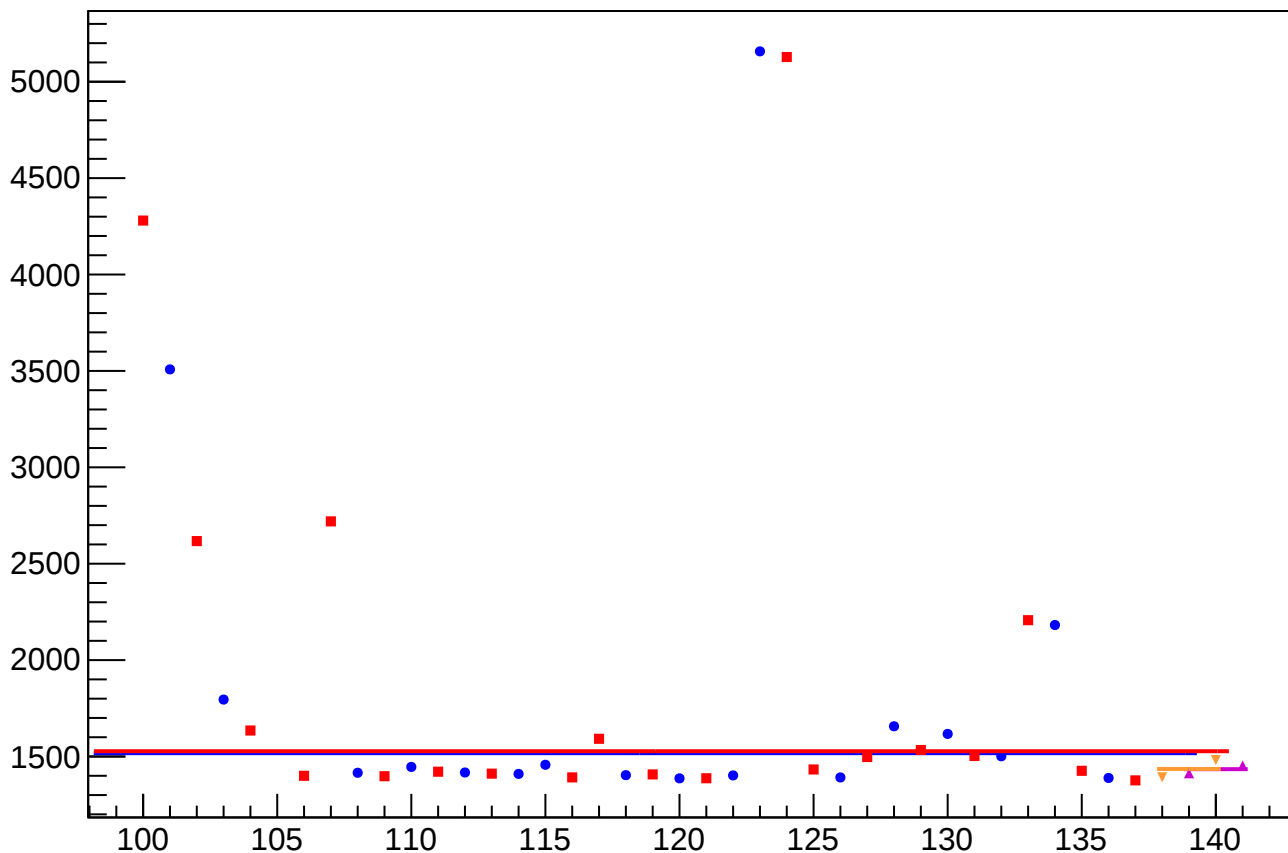
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 2573.592+/-1146.563 χ^2/NDF : 0.9/1

-577.292+/-536.079 χ^2/NDF : 13.8/18

1266.058+/-526.964 χ^2/NDF : 16.5/21

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1435.546+/-0.824 χ^2/NDF : 2923.0/1

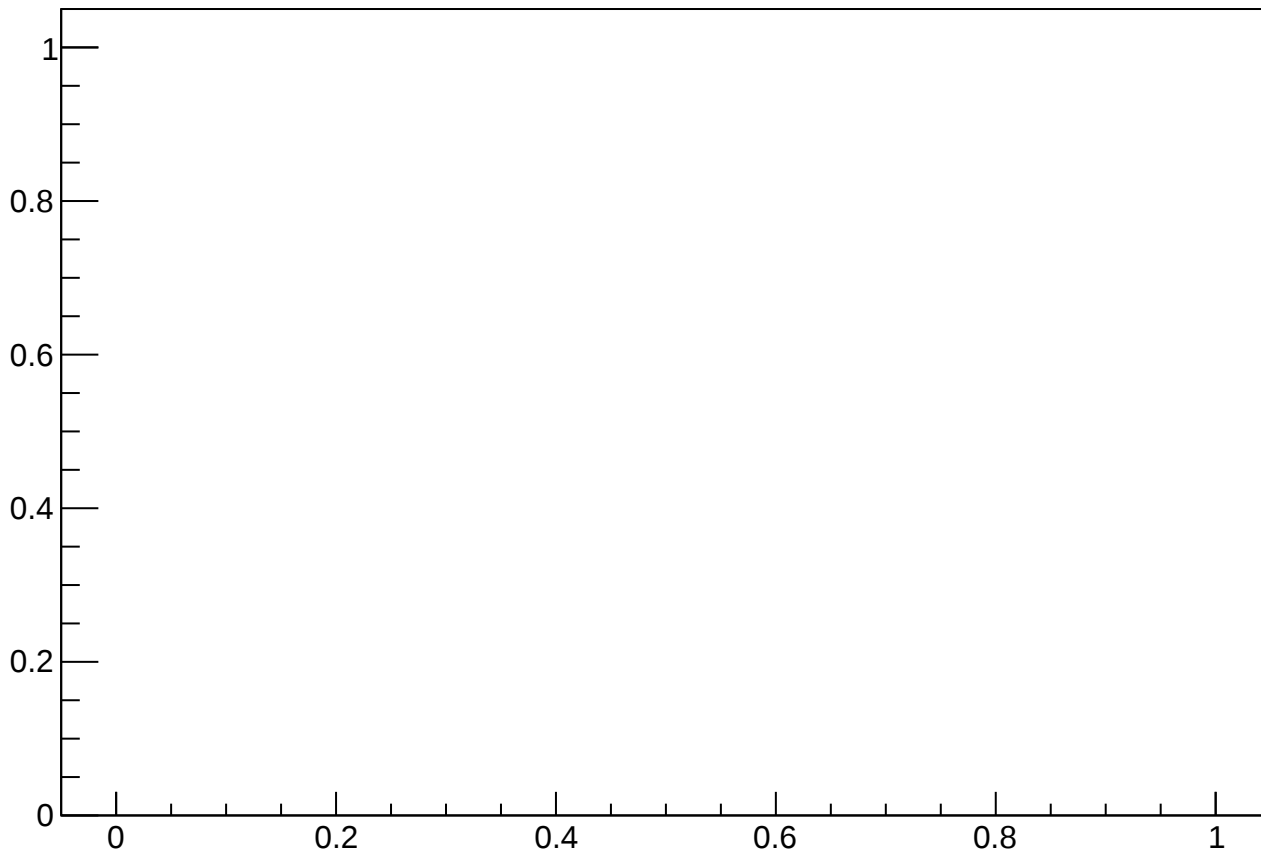
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1434.301+/-0.811 χ^2/NDF : 623.2/1

1500.040+/-0.379 χ^2/NDF : 547348.0/18

1507.717+/-0.373 χ^2/NDF : 642839.9/21

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

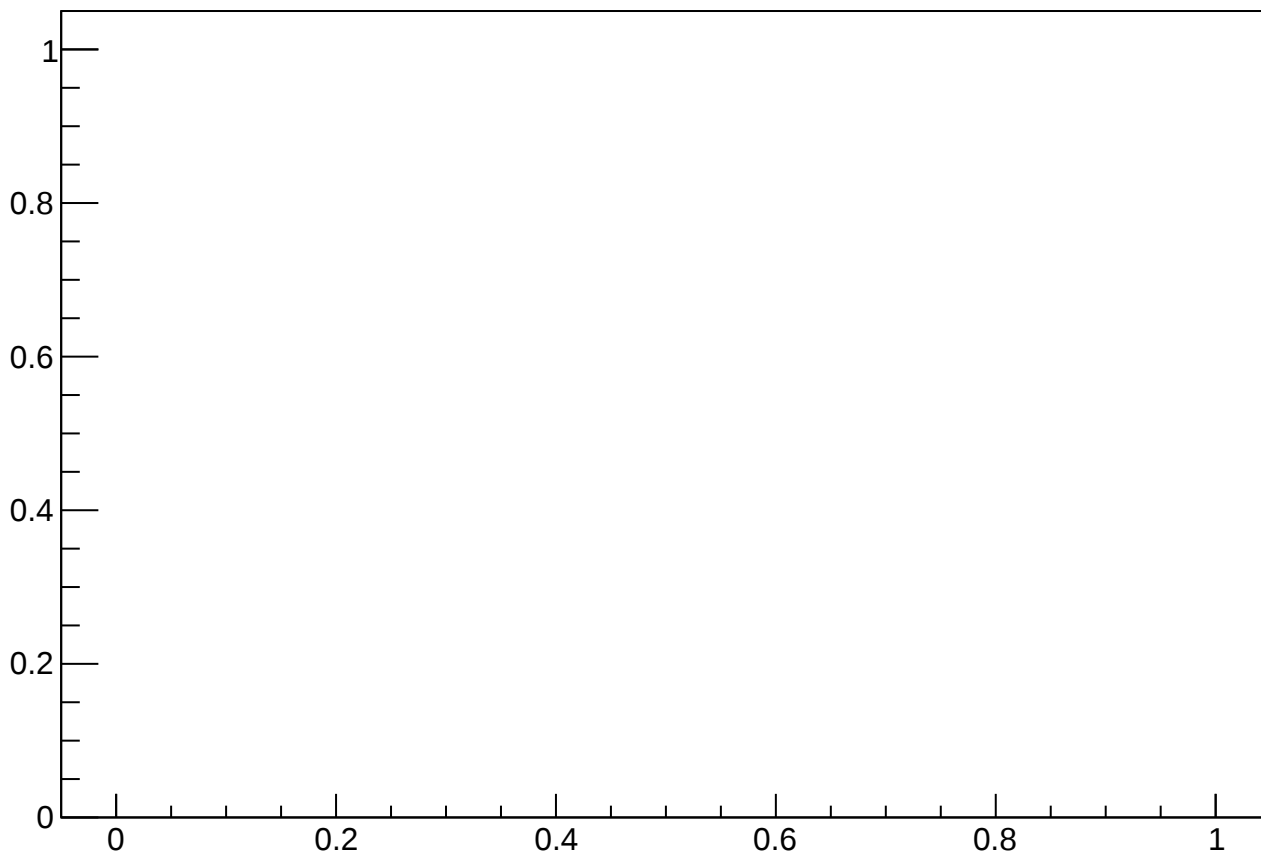
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

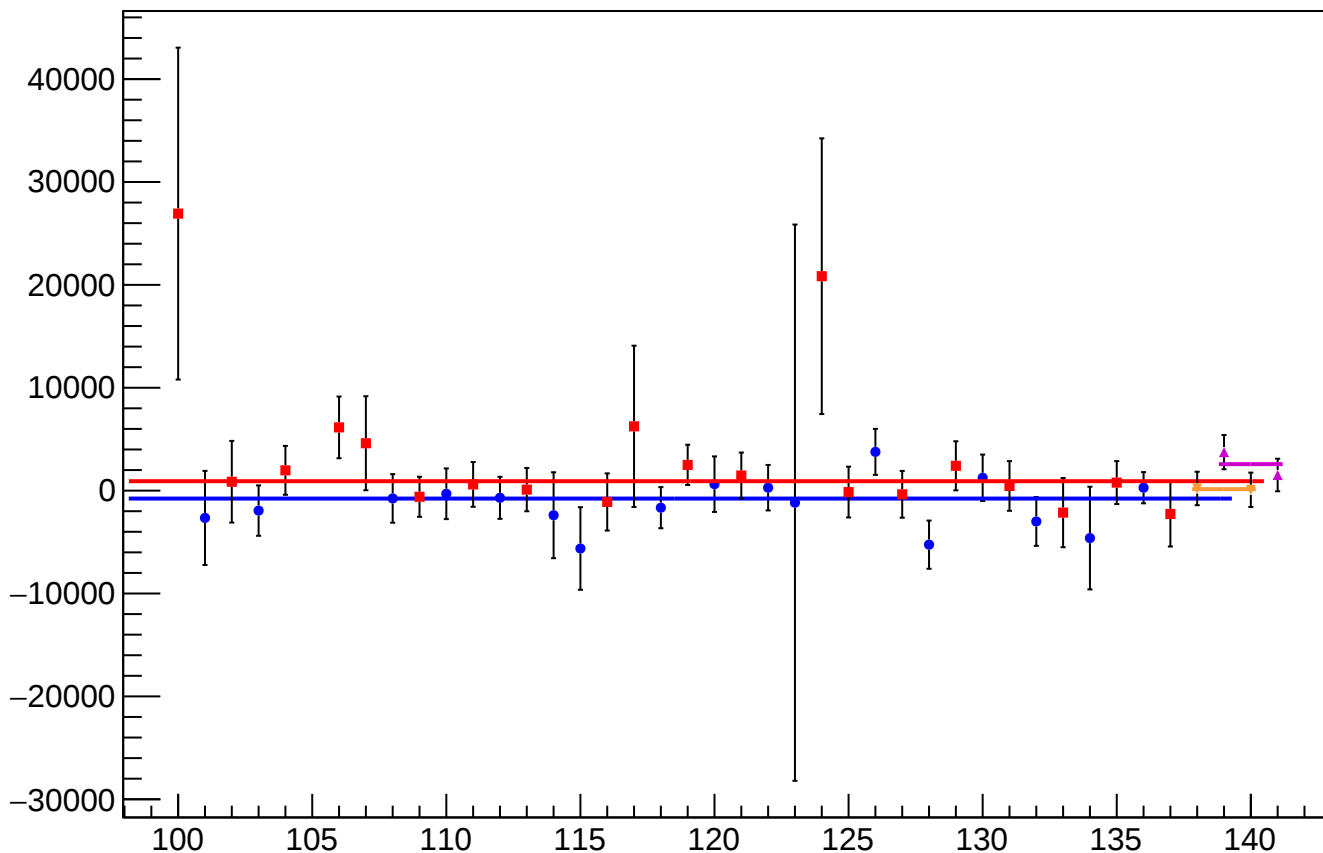
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 145.677+/-1165.812 χ^2/NDF : 0.0/1

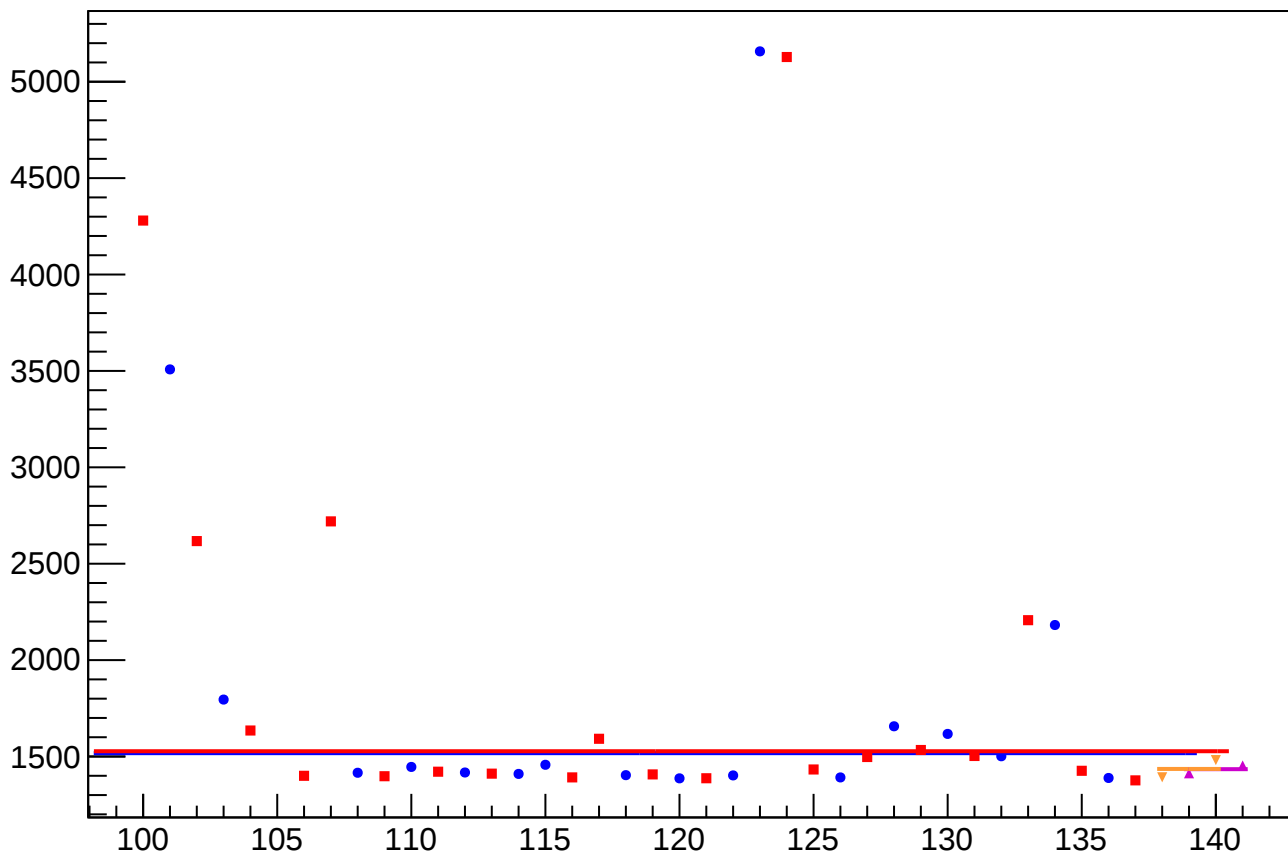
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 2573.592+/-1146.563 χ^2/NDF : 0.9/1

-577.292+/-536.079 χ^2/NDF : 13.8/18

1266.058+/-526.964 χ^2/NDF : 16.5/21

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1435.546+/-0.824 χ^2/NDF : 2923.0/1

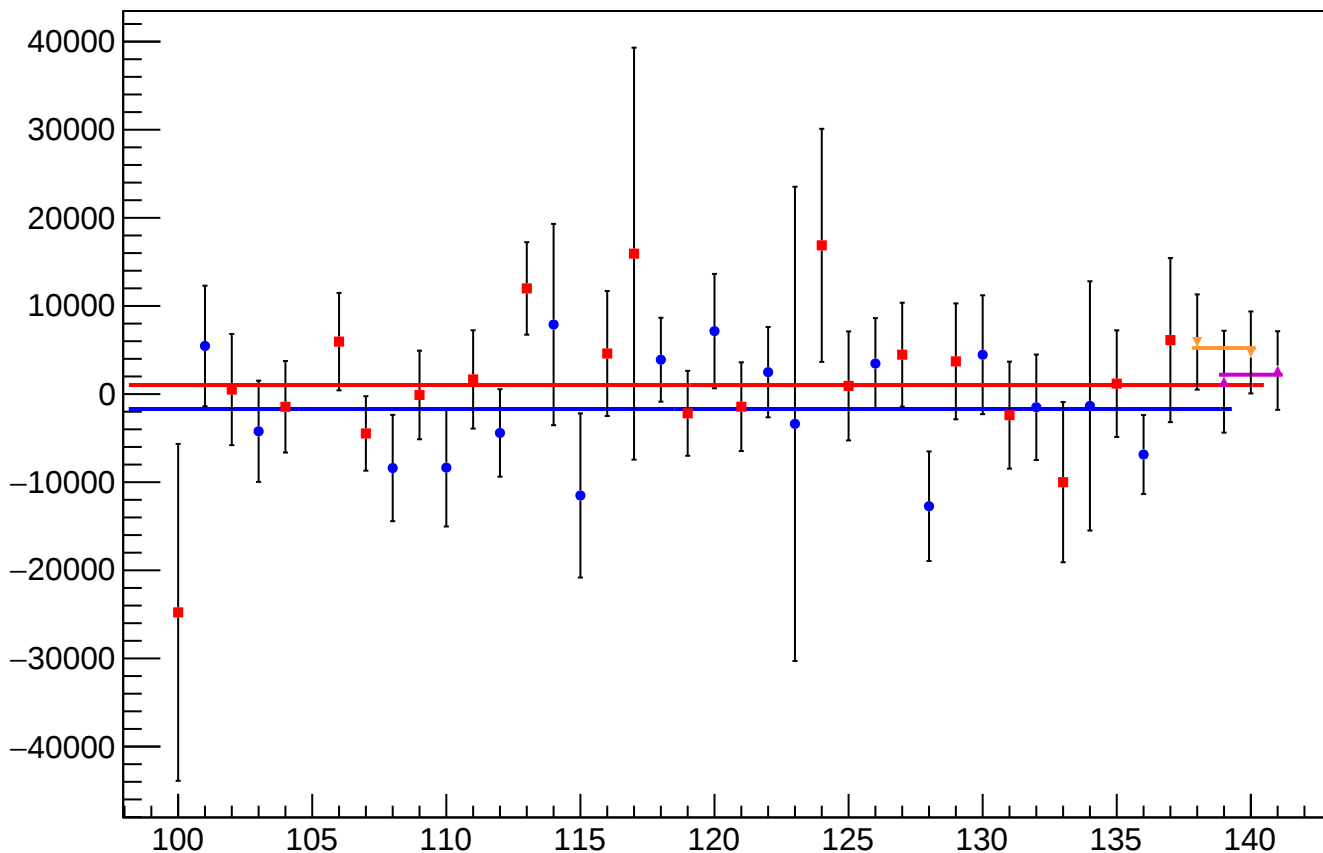
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1434.301+/-0.811 χ^2/NDF : 623.2/1

1500.040+/-0.379 χ^2/NDF : 547348.0/18

1507.717+/-0.373 χ^2/NDF : 642839.9/21

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 5227.911+/-3525.426 χ^2/NDF : 0.0/1

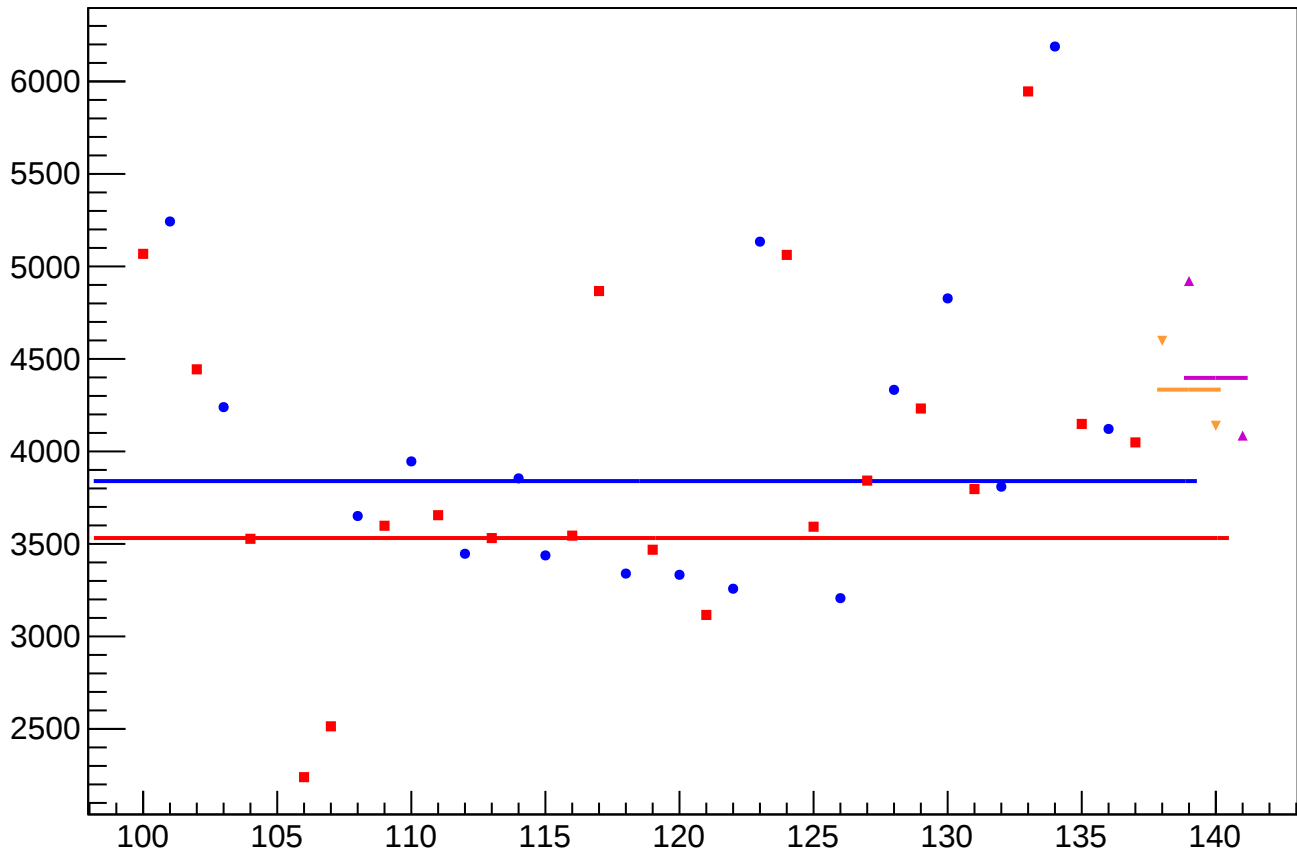
Right Out: 1029.768+/-1376.481 χ^2/NDF : 14.3/19

Left In: 2200.024+/-3531.036 χ^2/NDF : 0.0/1

-616.282+/-1390.316 χ^2/NDF : 19.1/18

1184.144+/-1282.482 χ^2/NDF : 14.5/21

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4334.030+/-2.493 χ^2/NDF : 8297.1/1

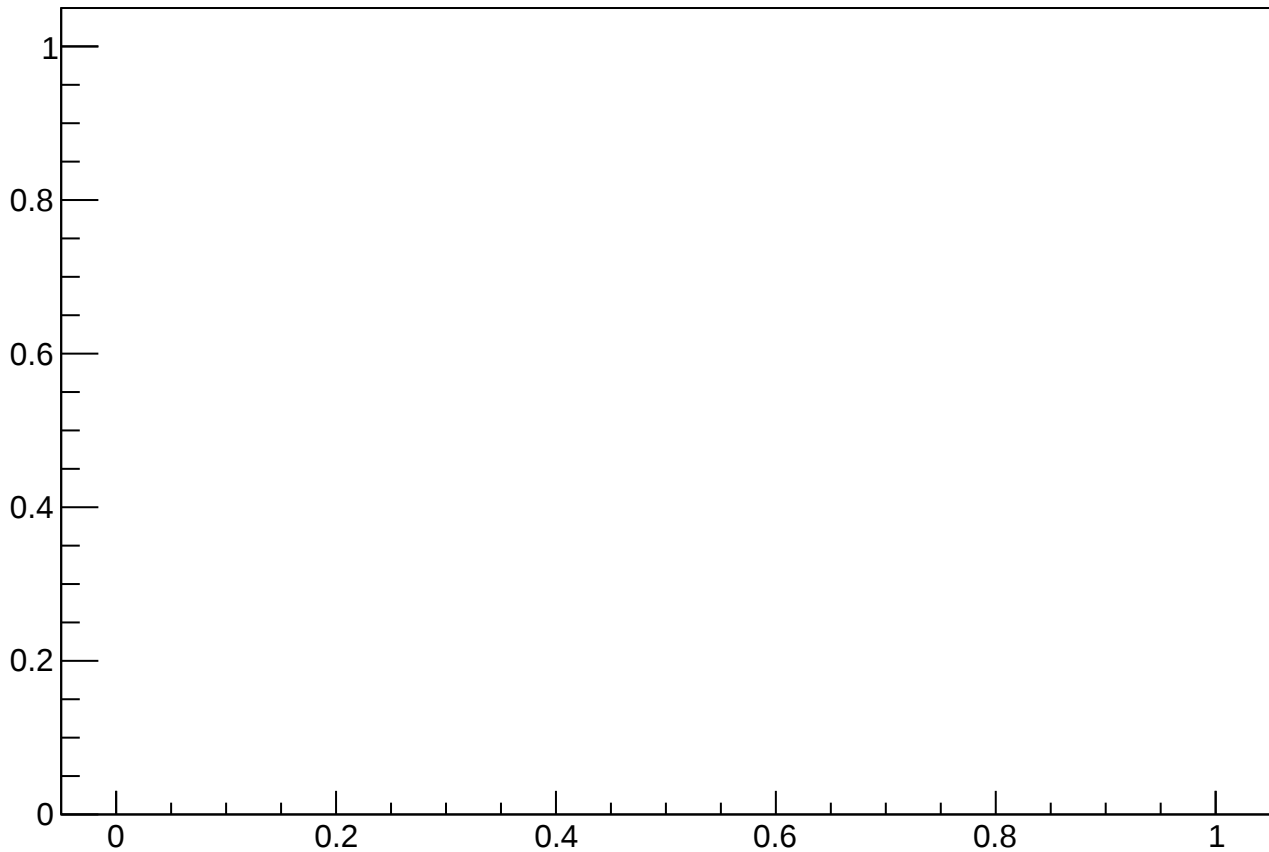
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4397.493+/-2.497 χ^2/NDF : 26202.3/1

3916.621+/-0.983 χ^2/NDF : 367456.5/18

3644.277+/-0.900 χ^2/NDF : 692118.4/21

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

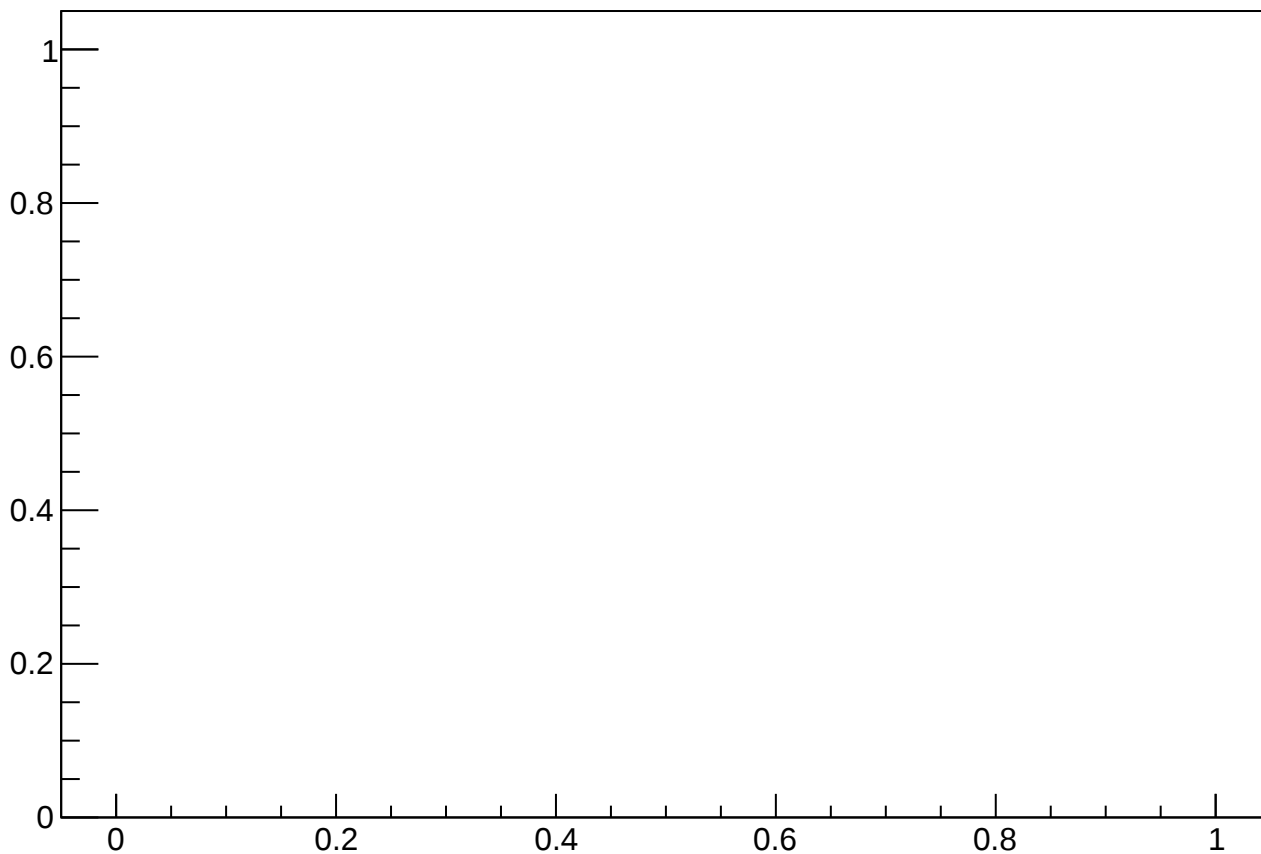
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

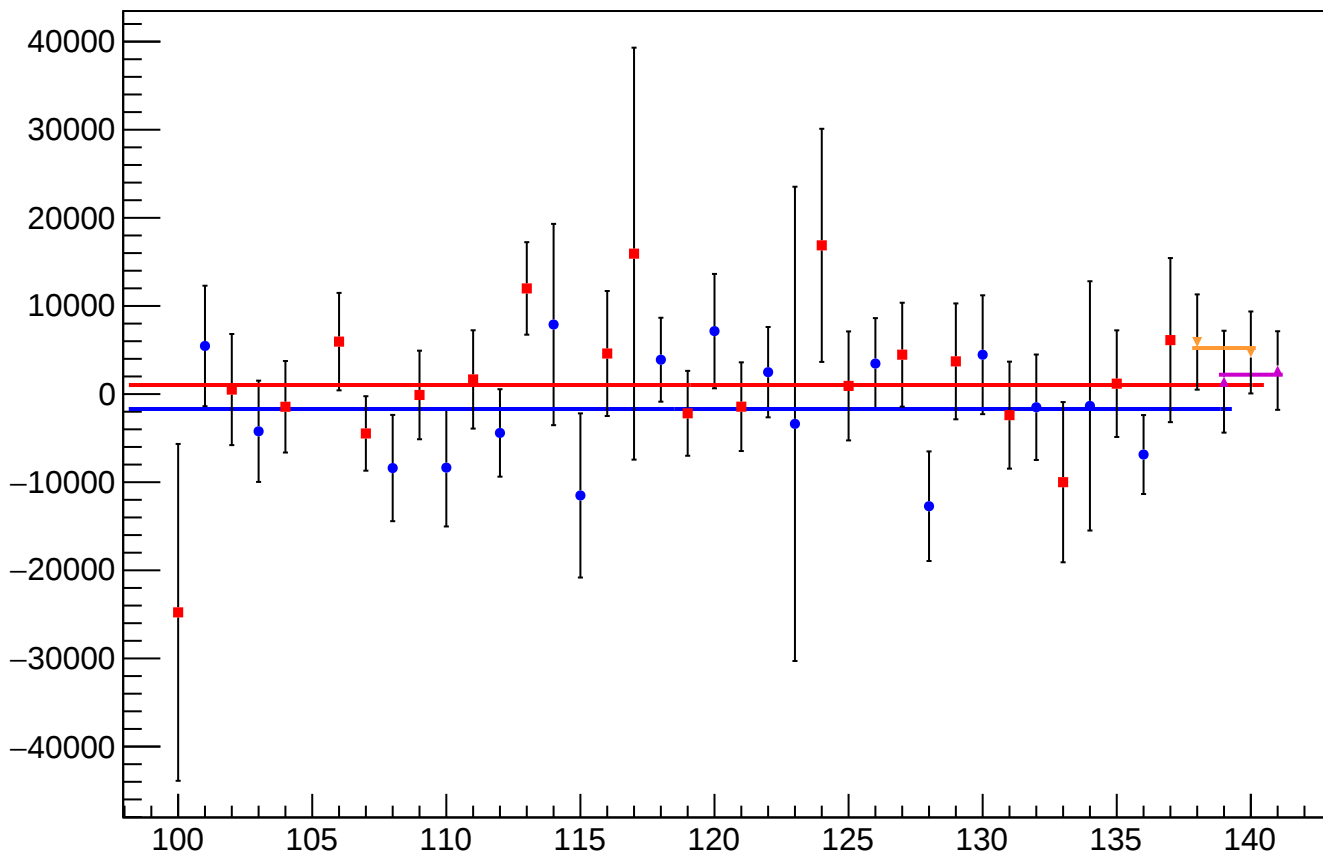
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 5227.911+/-3525.426 χ^2/NDF : 0.0/1

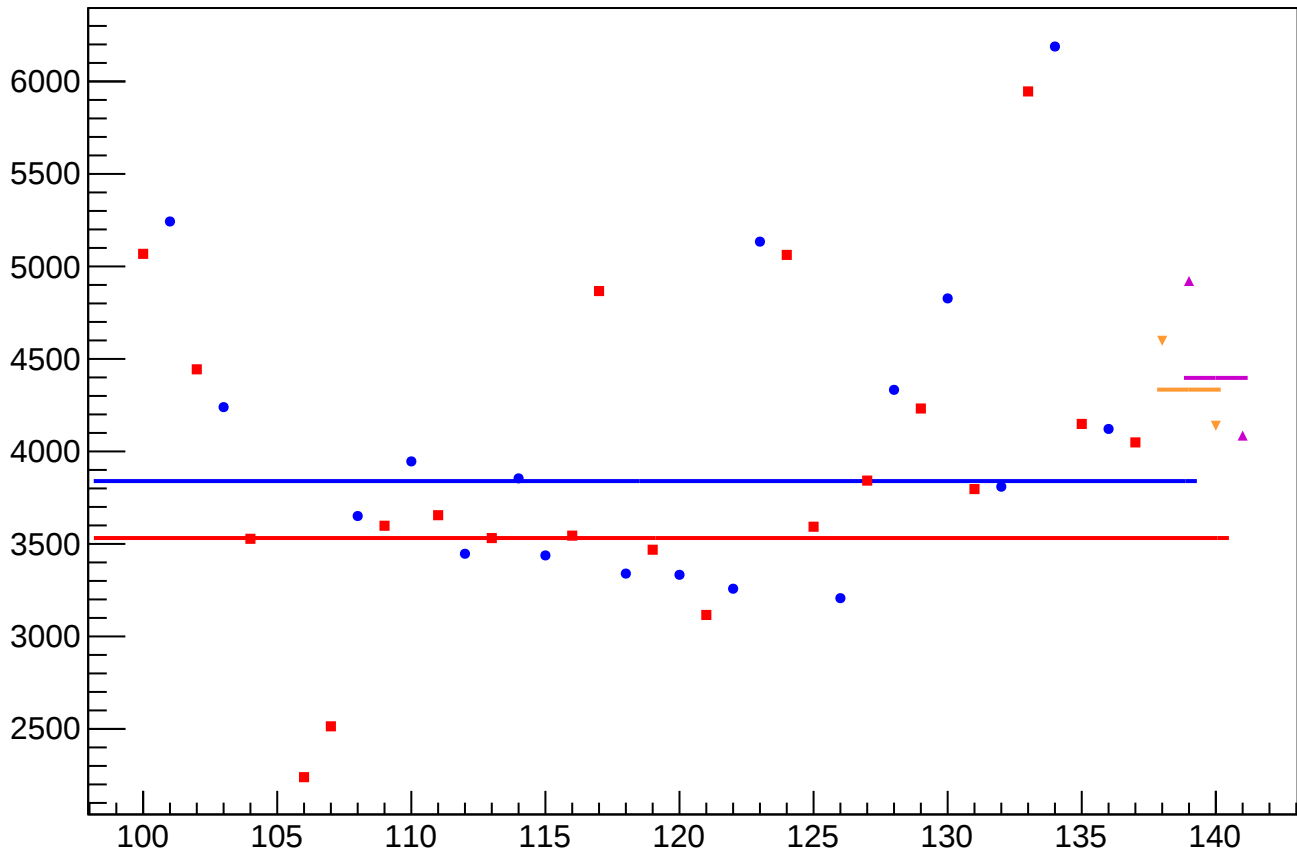
Right Out: 1029.768+/-1376.481 χ^2/NDF : 14.3/19

Left In: 2200.024+/-3531.036 χ^2/NDF : 0.0/1

-616.282+/-1390.316 χ^2/NDF : 19.1/18

1184.144+/-1282.482 χ^2/NDF : 14.5/21

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4334.030+/-2.493 χ^2/NDF : 8297.1/1

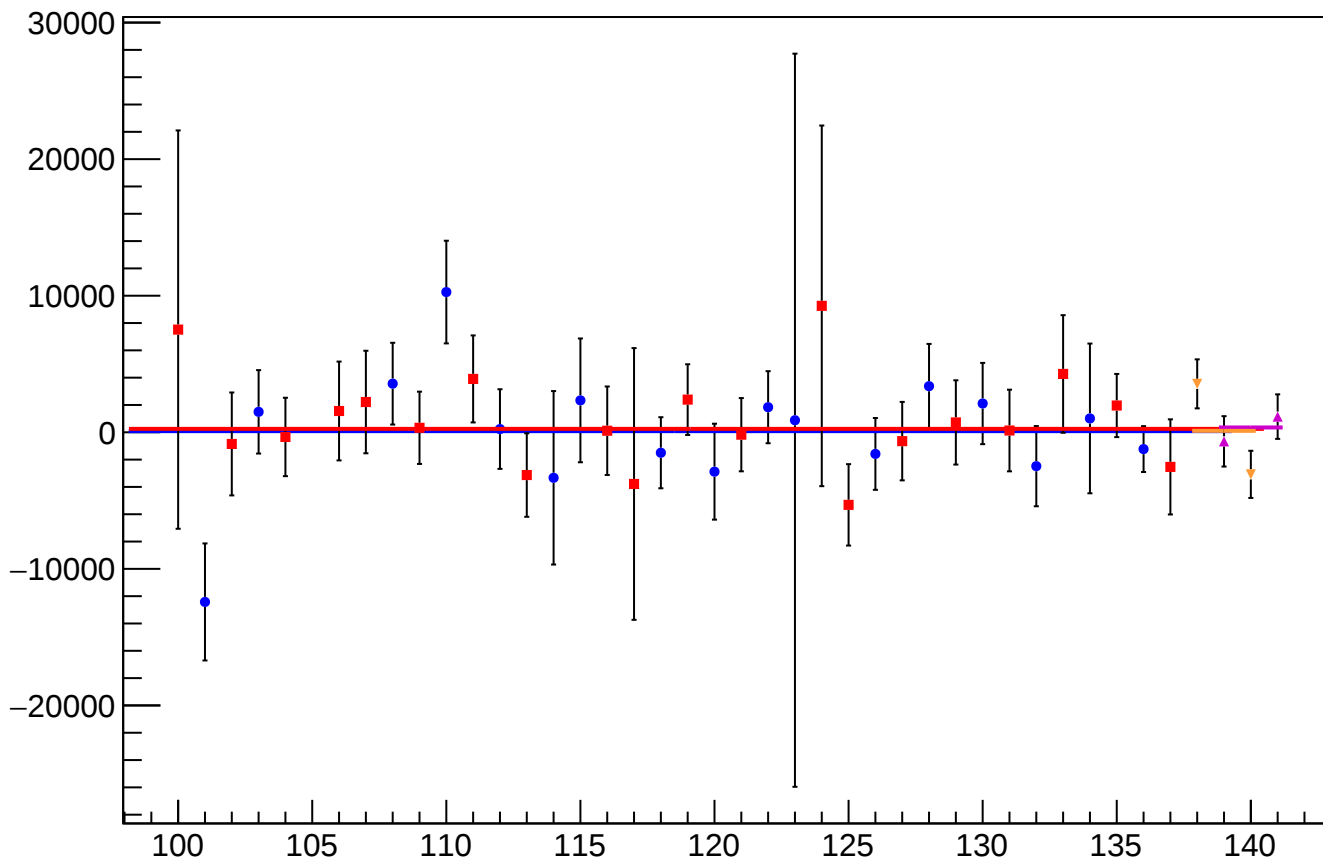
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4397.493+/-2.497 χ^2/NDF : 26202.3/1

3916.621+/-0.983 χ^2/NDF : 367456.5/18

3644.277+/-0.900 χ^2/NDF : 692118.4/21

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: 104.944 $\pm$ 1244.386 χ^2 /NDF: 7.1/1

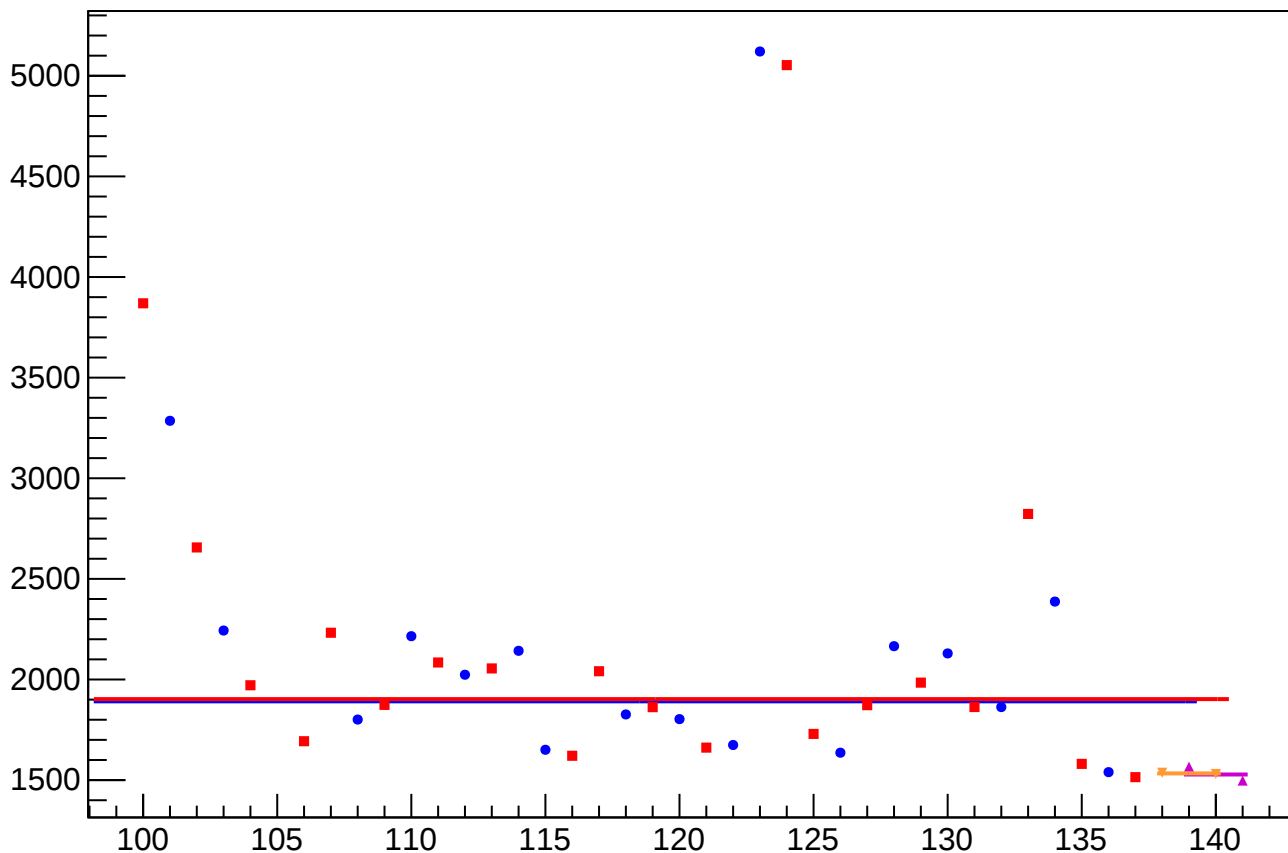
Right Out: 250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

Left In: 352.974 $\pm$ 1221.279 χ^2 /NDF: 0.5/1

89.484 $\pm$ 642.696 χ^2 /NDF: 30.0/18

277.769 $\pm$ 627.937 χ^2 /NDF: 10.9/21

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1533.304+/-0.880 χ^2/NDF :12.7/1

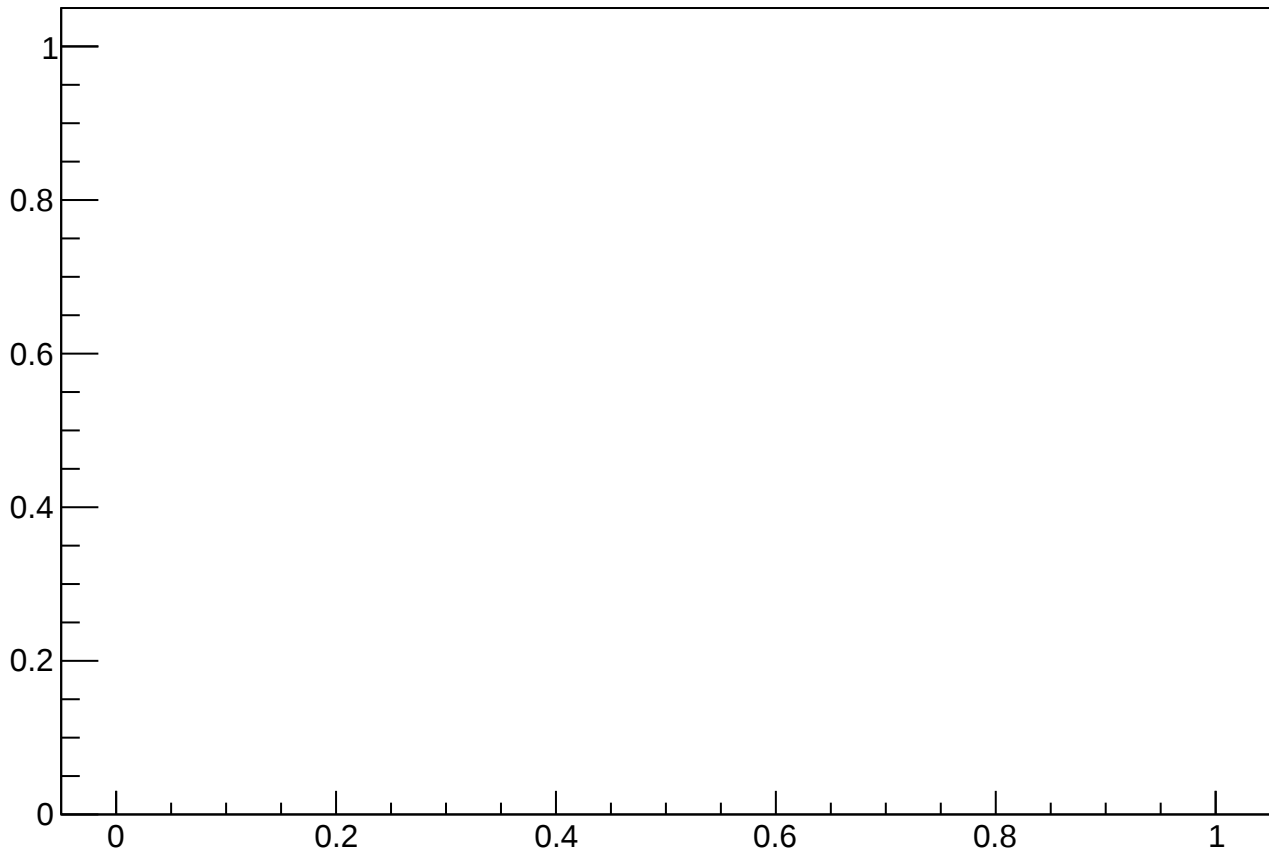
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1527.957+/-0.864 χ^2/NDF :1566.9/1

1795.947+/-0.454 χ^2/NDF : 586016.0/18

1803.524+/-0.444 χ^2/NDF : 601060.7/21

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

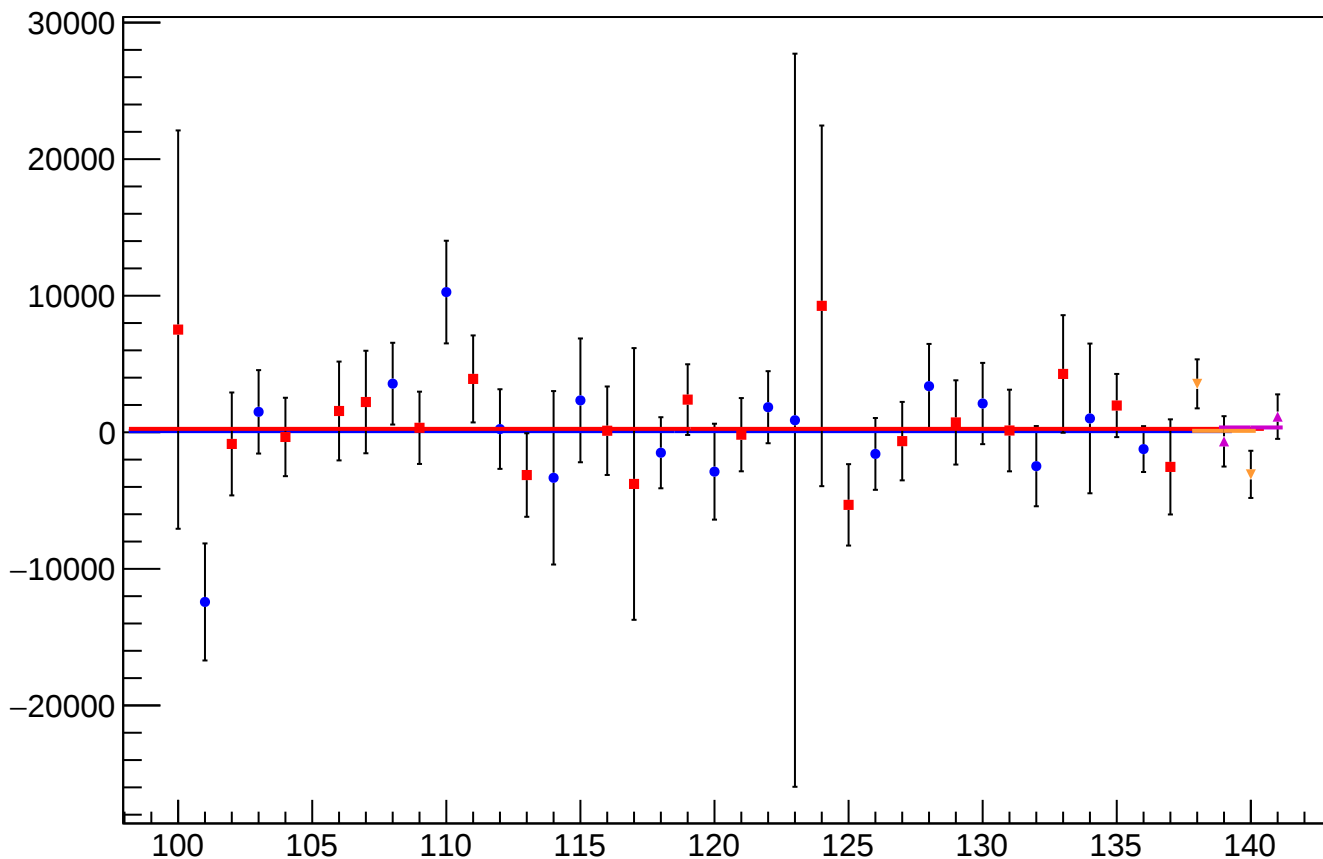
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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+/-750.549 χ^2/NDF : 22.9/16

Left Out: 104.944+/-1244.386 χ^2/NDF : 7.1/1

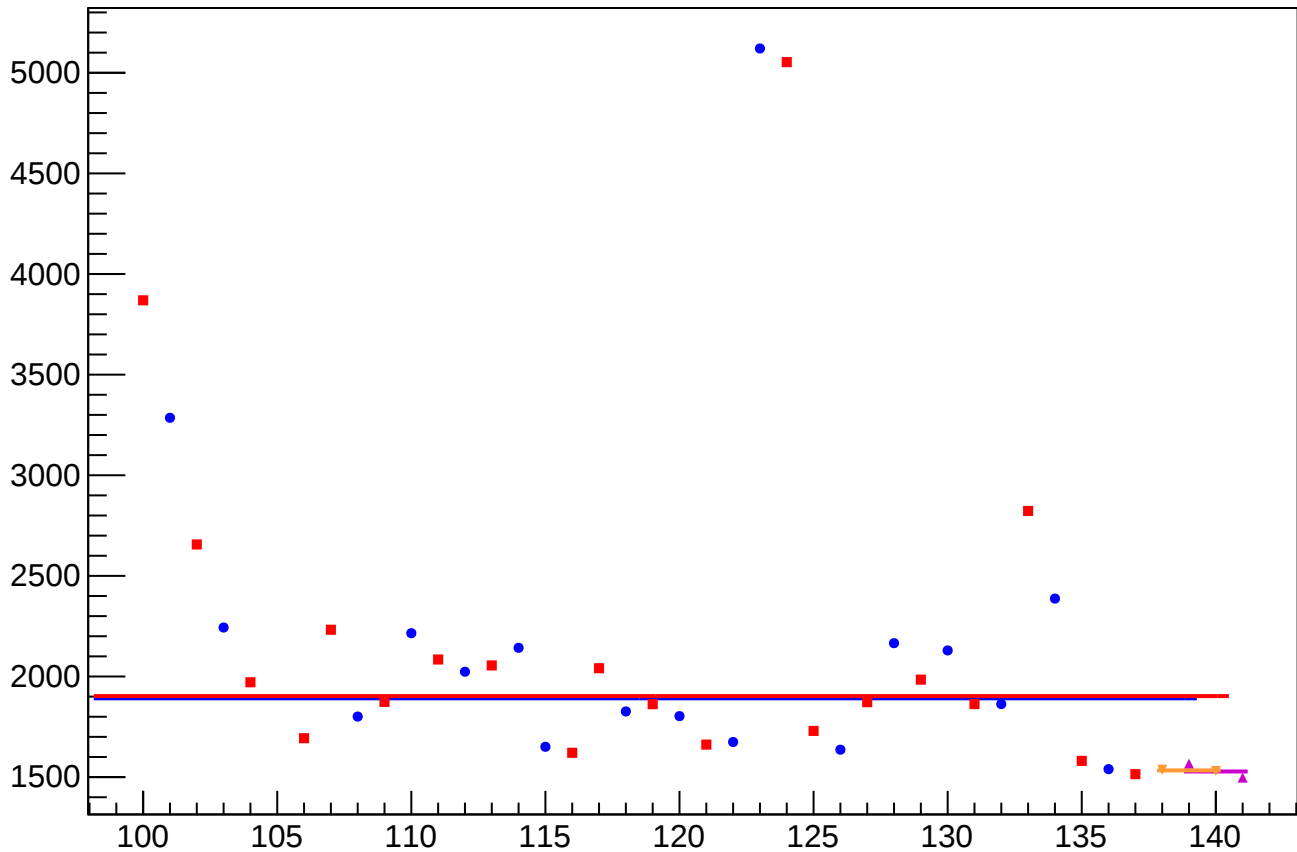
Right Out: 250.743+/-732.124 χ^2/NDF : 10.3/19

Left In: 352.974+/-1221.279 χ^2/NDF : 0.5/1

89.484+/-642.696 χ^2/NDF : 30.0/18

277.769+/-627.937 χ^2/NDF : 10.9/21

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2 /NDF: 464497.5/16

Left Out: 1533.304+/-0.880 χ^2 /NDF:12.7/1

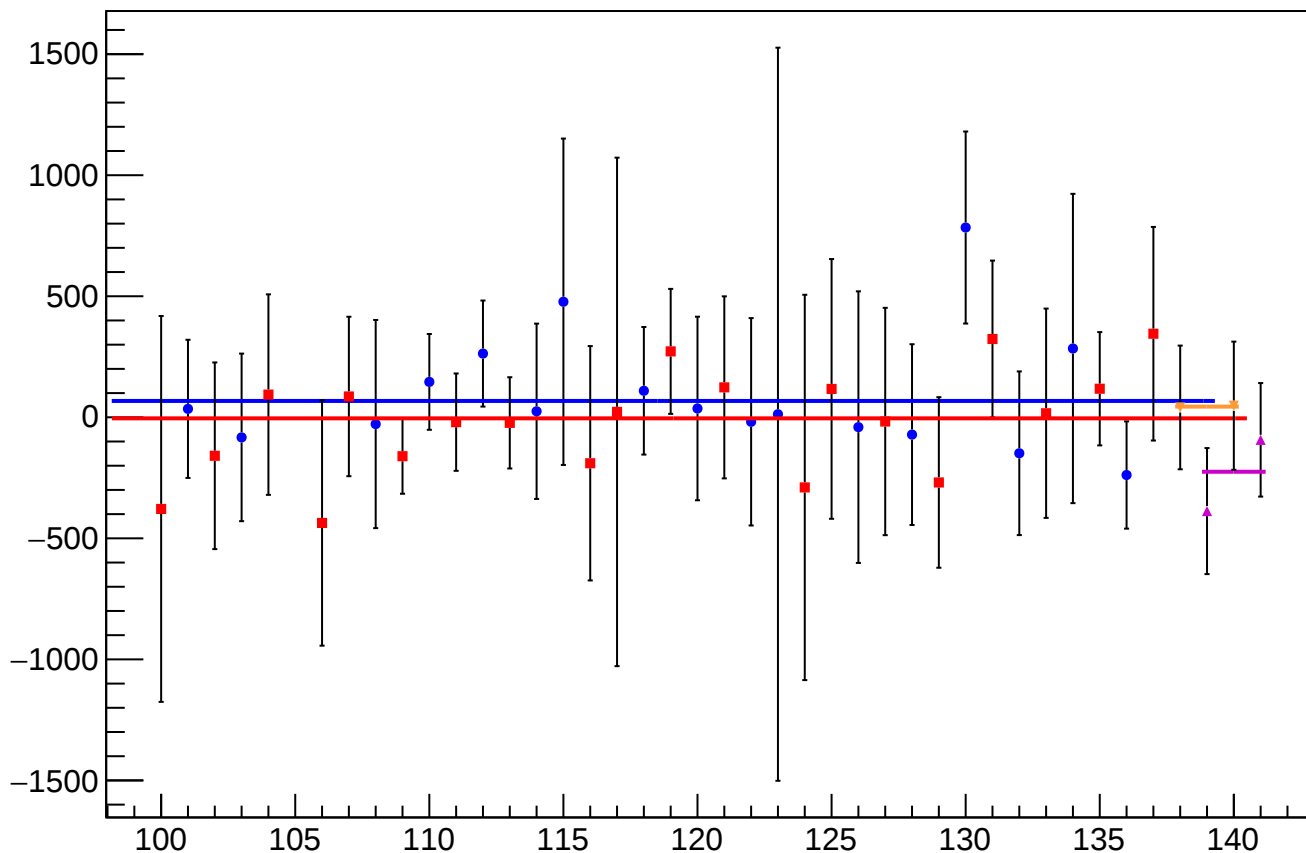
Right Out: 1902.551+/-0.518 χ^2 /NDF: 461077.0/19

Left In: 1527.957+/-0.864 χ^2 /NDF:1566.9/1

1795.947+/-0.454 χ^2 /NDF: 586016.0/18

1803.524+/-0.444 χ^2 /NDF: 601060.7/21

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 44.150 $\pm$ 183.846 χ^2 /NDF: 0.0/1

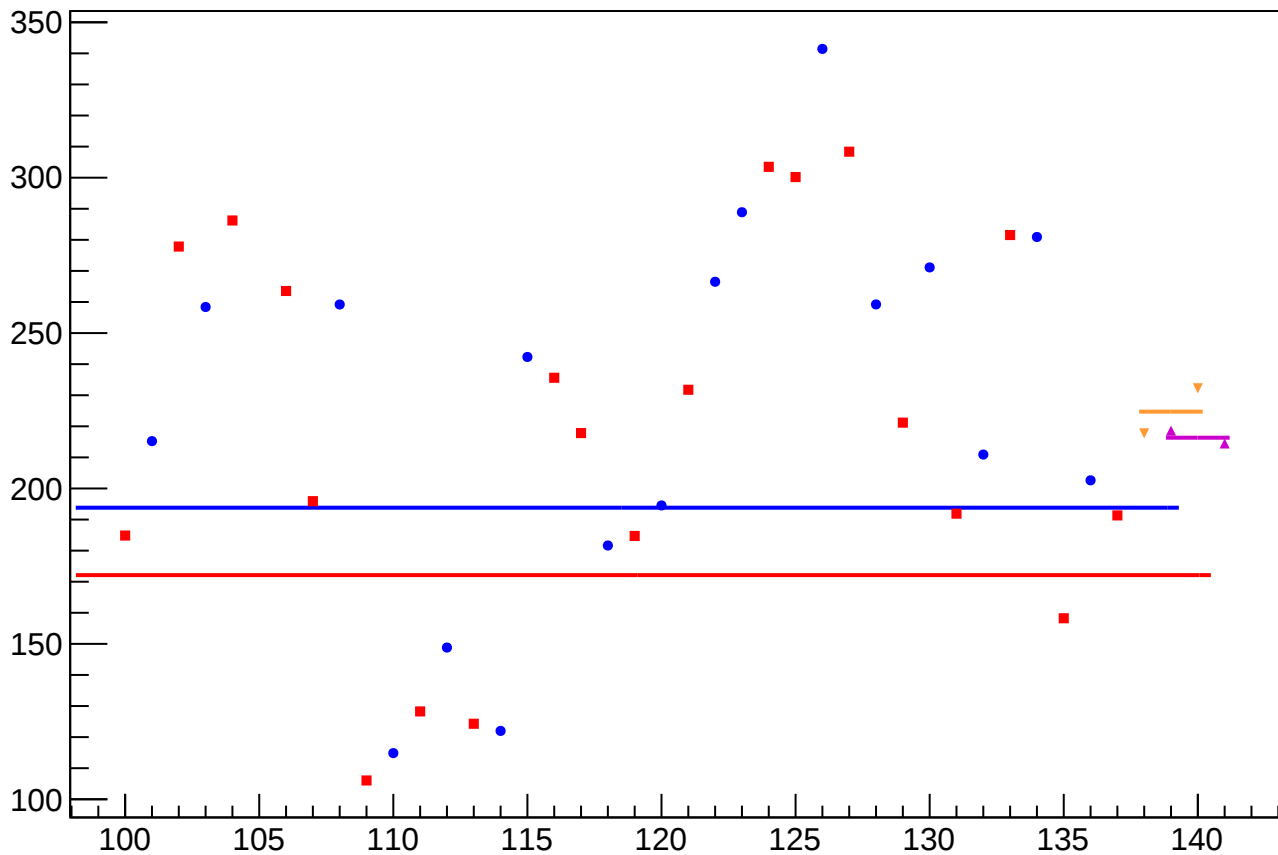
Right Out: -4.305 $\pm$ 69.854 χ^2 /NDF: 6.4/19

Left In: -224.951 $\pm$ 174.232 χ^2 /NDF: 0.7/1

63.848 $\pm$ 73.053 χ^2 /NDF: 7.5/18

-34.860 $\pm$ 64.837 χ^2 /NDF: 8.4/21

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: 224.727 $\pm$ 0.130 χ^2/NDF : 3111.2/1

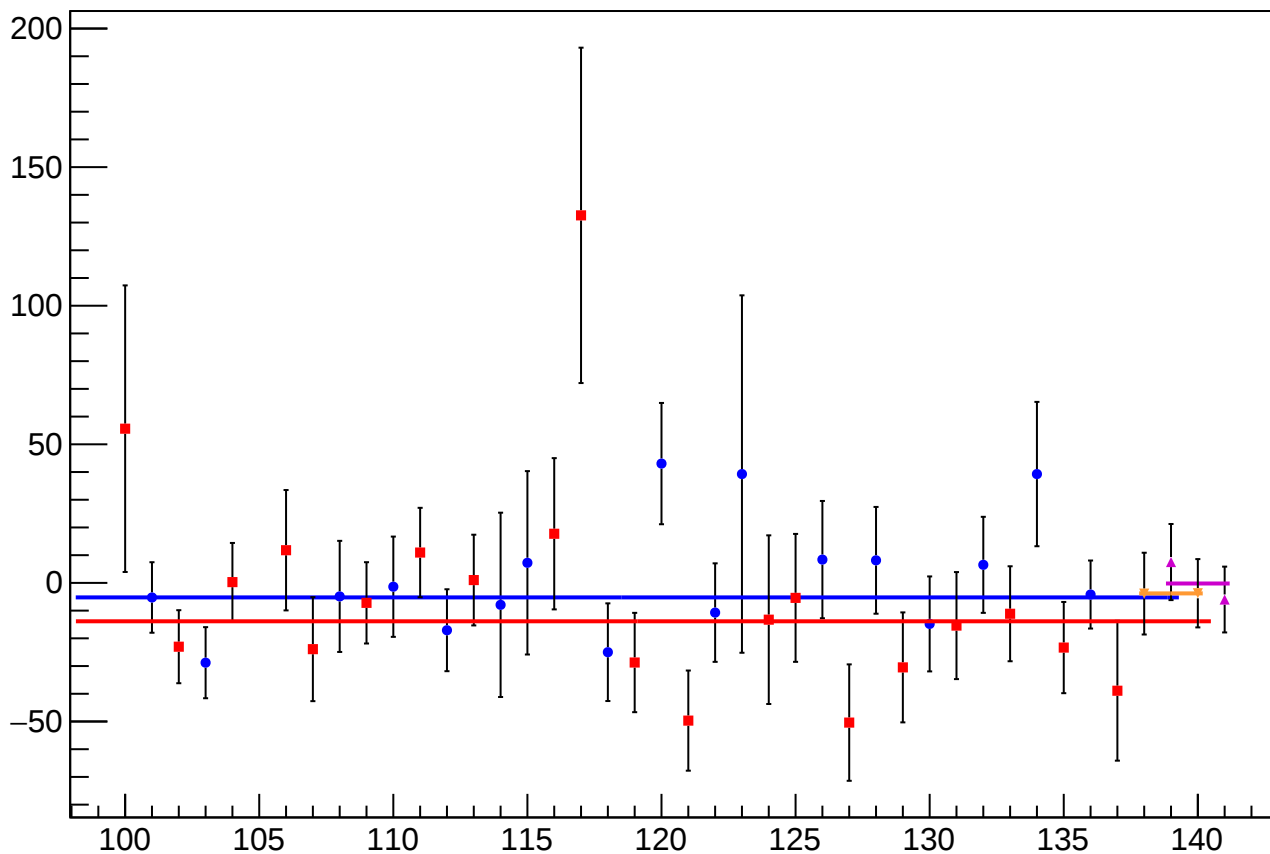
Right Out: 172.123 $\pm$ 0.049 χ^2/NDF : 1580879.9/19

Left In: 216.338 $\pm$ 0.123 χ^2/NDF : 278.5/1

198.696 $\pm$ 0.052 χ^2/NDF : 1061050.0/18

178.246 $\pm$ 0.046 χ^2/NDF : 1692122.8/21

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: -3.788 ± 9.455 χ^2/NDF : 0.0/1

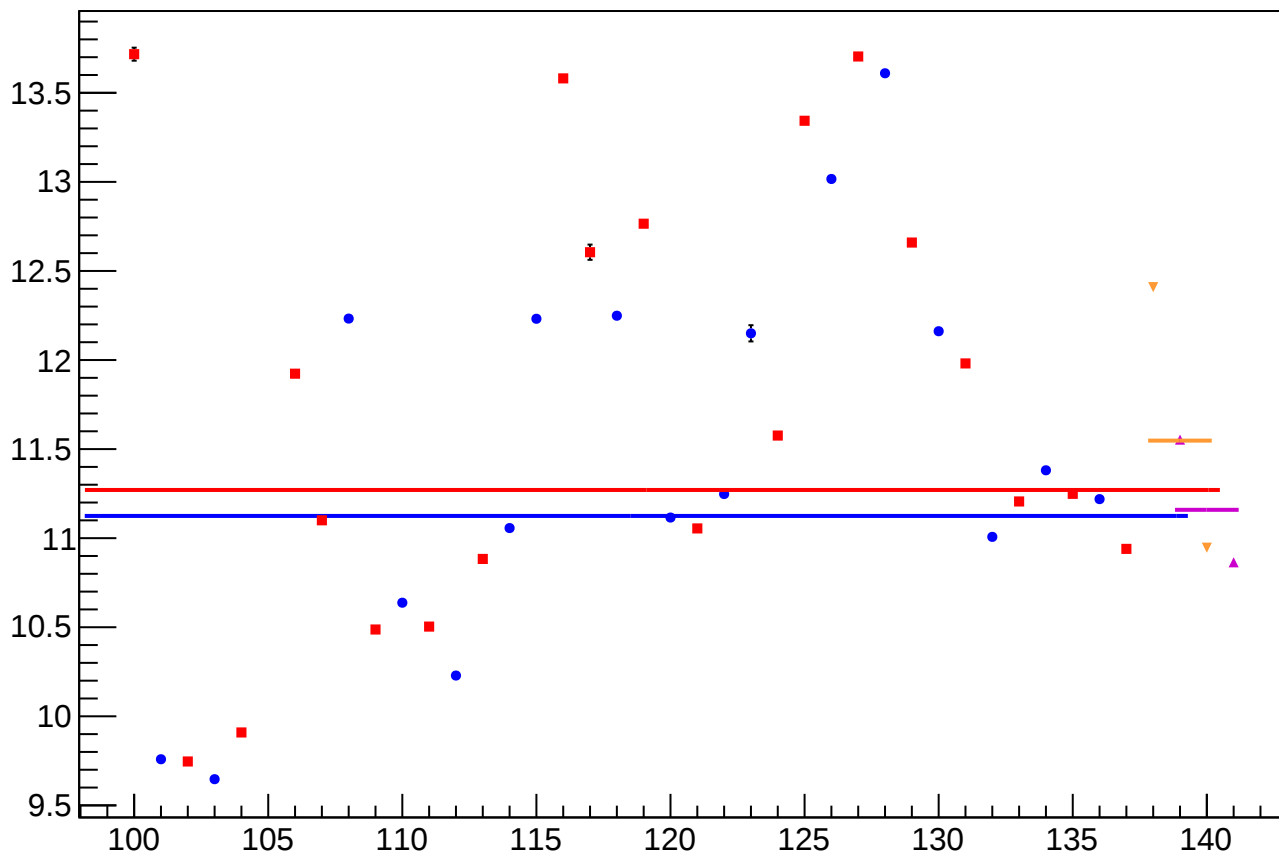
Right Out: -13.851 ± 4.255 χ^2/NDF : 25.4/19

Left In: -0.216 ± 8.980 χ^2/NDF : 0.6/1

-4.978 ± 3.956 χ^2/NDF : 15.5/18

-11.352 ± 3.845 χ^2/NDF : 27.8/21

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.548 $\pm$ 0.007 χ^2 /NDF:11584.2/1

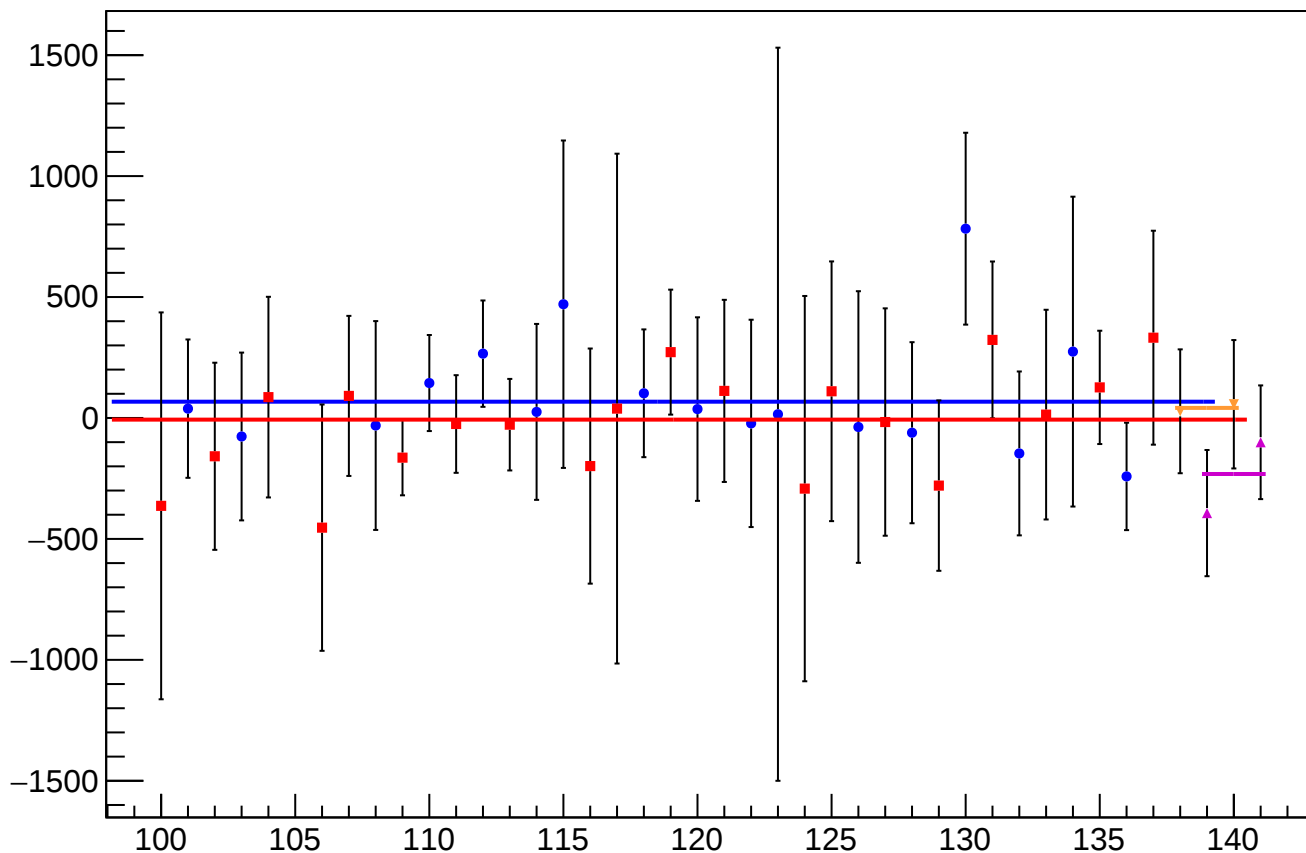
Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

Left In: 11.159 $\pm$ 0.006 χ^2 /NDF:2880.0/1

11.199 $\pm$ 0.003 χ^2 /NDF: 147404.3/18

11.250 $\pm$ 0.003 χ^2 /NDF: 151842.9/21

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: 41.641+/-184.274 χ^2/NDF : 0.0/1

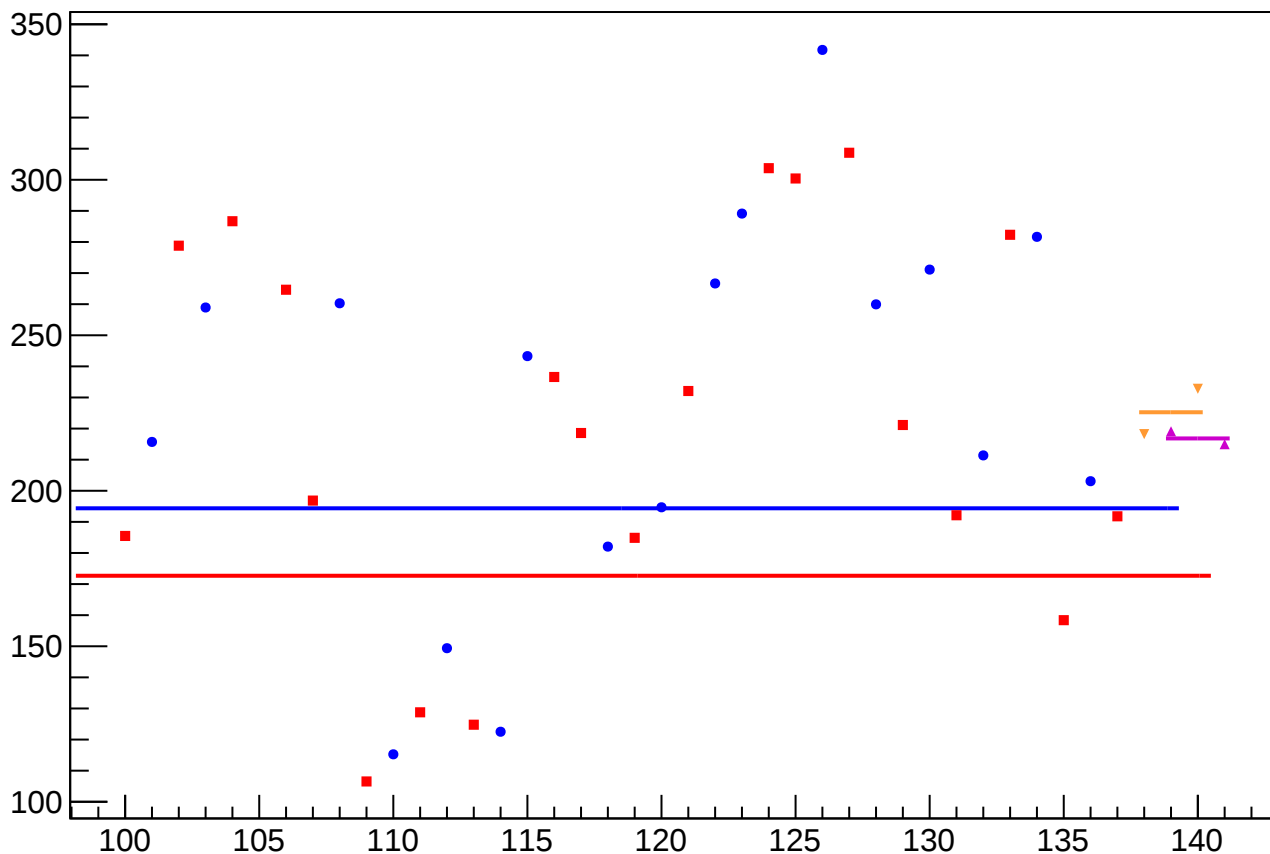
Right Out: -6.837+/-70.057 χ^2/NDF : 6.4/19

Left In: -231.617+/-174.629 χ^2/NDF : 0.7/1

63.251+/-73.242 χ^2/NDF : 7.5/18

-37.998+/-65.020 χ^2/NDF : 8.6/21

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 225.248 $\pm$ 0.130 χ^2 /NDF:3125.2/1

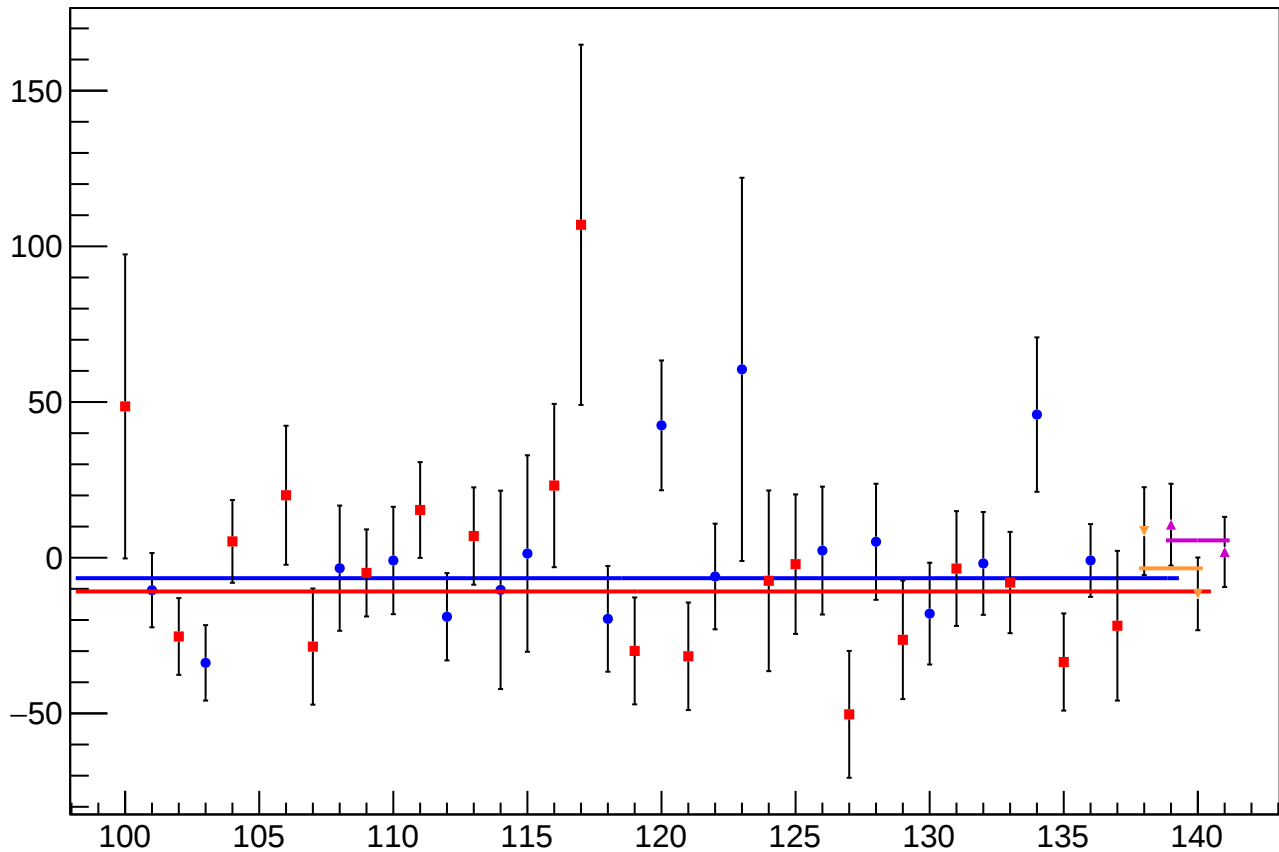
Right Out: 172.675 $\pm$ 0.050 χ^2 /NDF: 1573459.1/19

Left In: 216.831 $\pm$ 0.123 χ^2 /NDF:278.5/1

199.244 $\pm$ 0.052 χ^2 /NDF: 1055660.7/18

178.796 $\pm$ 0.046 χ^2 /NDF: 1683880.7/21

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

-6.020 ± 3.774 $\chi^2/\text{NDF}: 20.6/18$

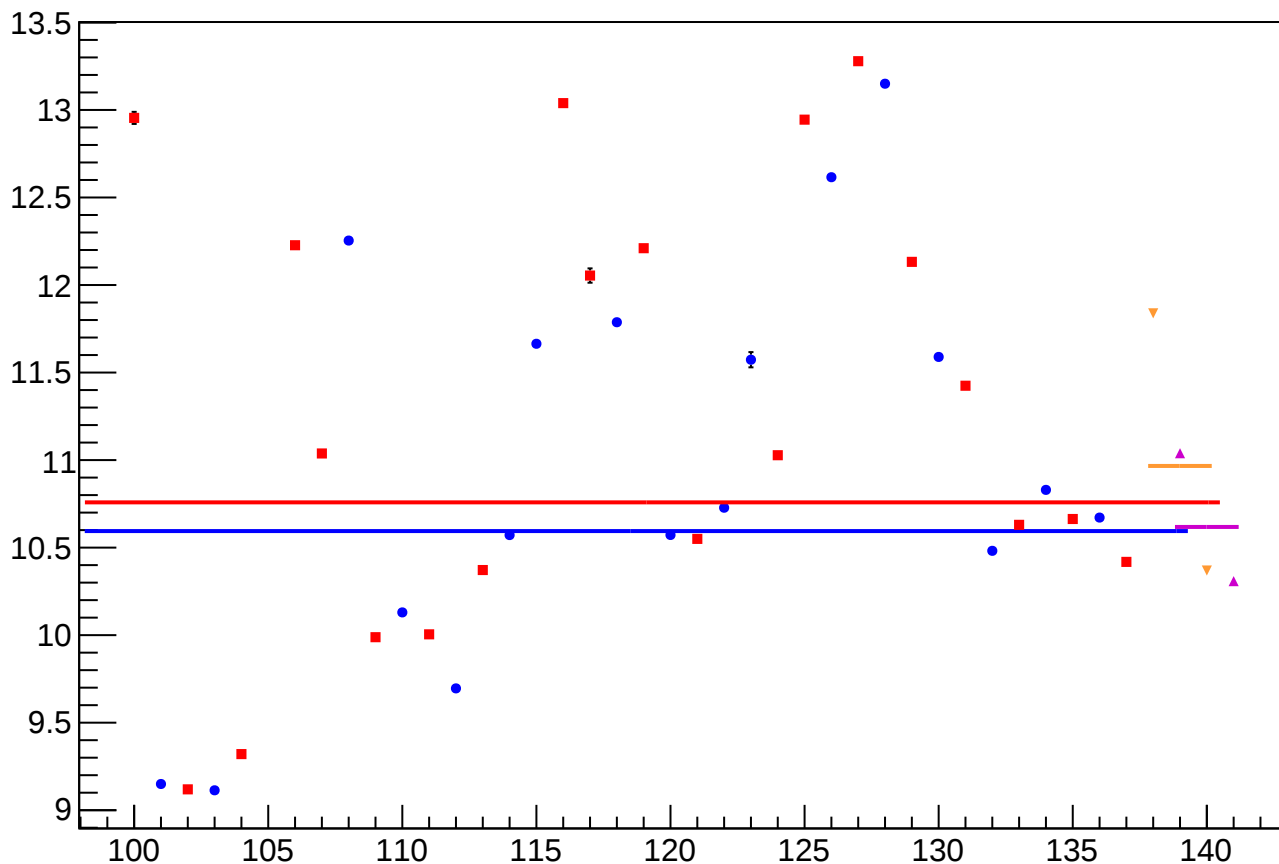
Left Out: -3.416 ± 8.999 $\chi^2/\text{NDF}: 1.2/1$

Right Out: -10.838 ± 4.070 $\chi^2/\text{NDF}: 27.1/19$

-7.812 ± 3.675 $\chi^2/\text{NDF}: 30.4/21$

Left In: 5.563 ± 8.556 $\chi^2/\text{NDF}: 0.3/1$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 ± 0.003 $\chi^2/\text{NDF}: 160059.2/16$

Left Out: 10.966 ± 0.006 $\chi^2/\text{NDF}: 12861.8/1$

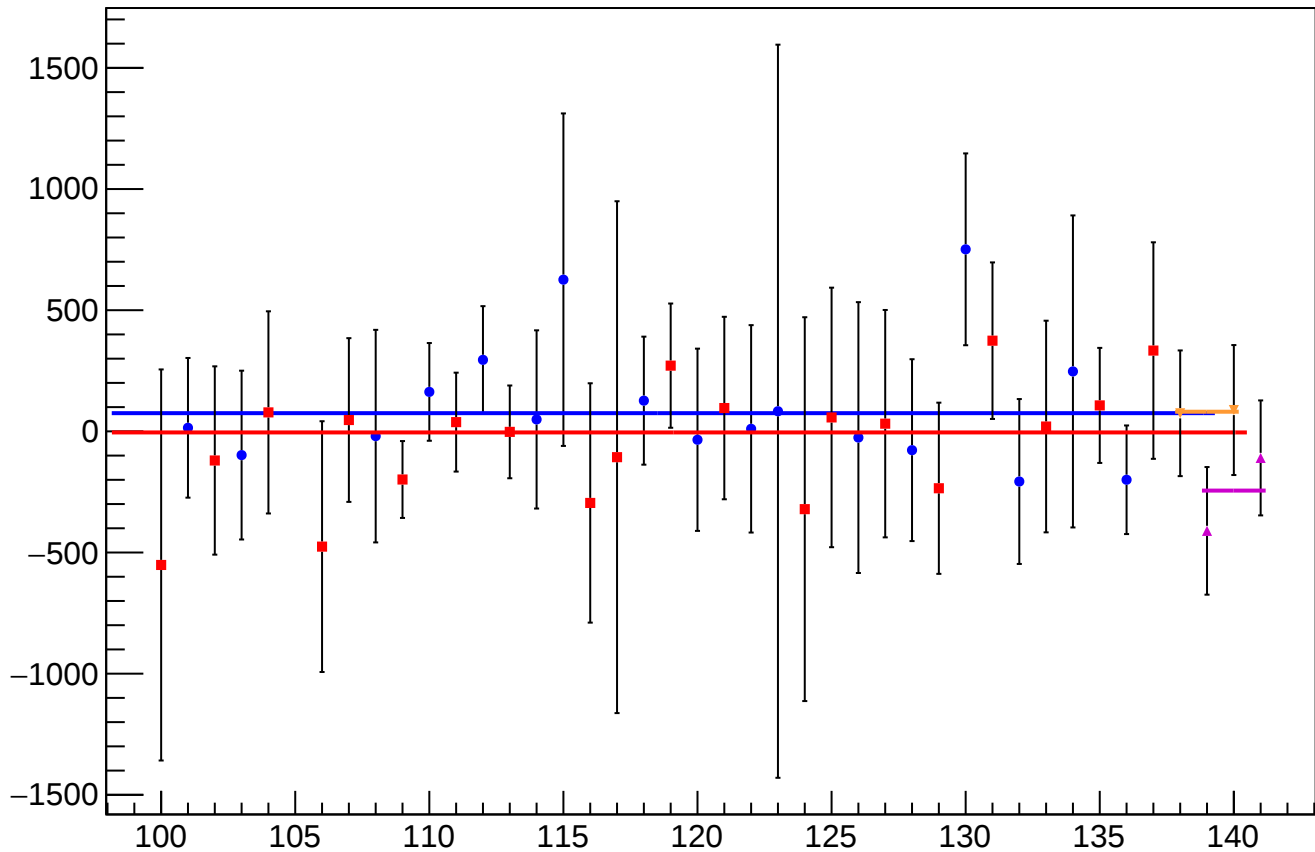
Right Out: 10.758 ± 0.003 $\chi^2/\text{NDF}: 178180.9/19$

Left In: 10.618 ± 0.006 $\chi^2/\text{NDF}: 3561.4/1$

10.660 ± 0.003 $\chi^2/\text{NDF}: 175737.9/18$

10.733 ± 0.003 $\chi^2/\text{NDF}: 182181.6/21$

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: 81.041 $\pm$ 186.431 χ^2 /NDF:0.0/1

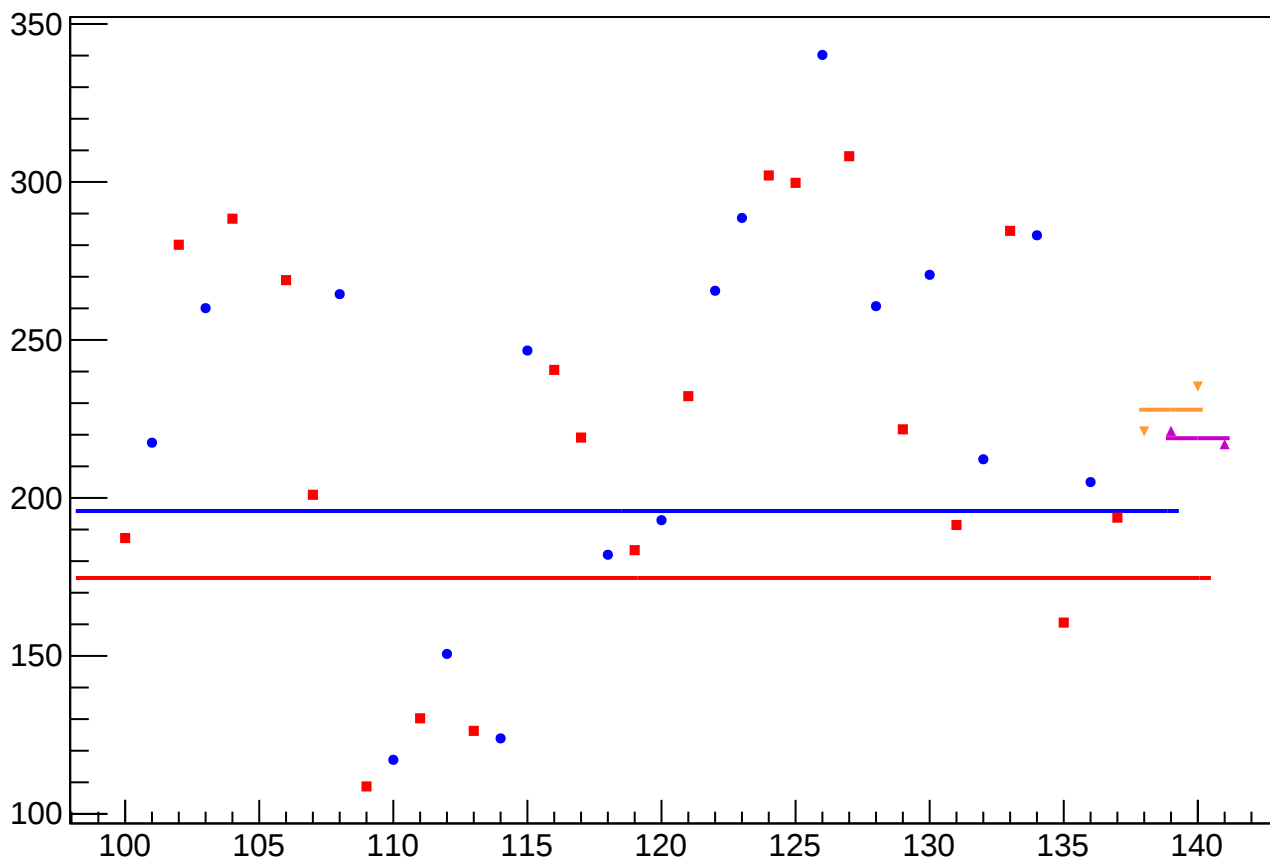
Right Out: -4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

Left In: -244.460 $\pm$ 176.277 χ^2 /NDF:0.7/1

76.019 $\pm$ 73.790 χ^2 /NDF: 7.7/18

-37.735 $\pm$ 65.638 χ^2 /NDF: 9.7/21

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 227.921 $\pm$ 0.132 χ^2 /NDF:2894.7/1

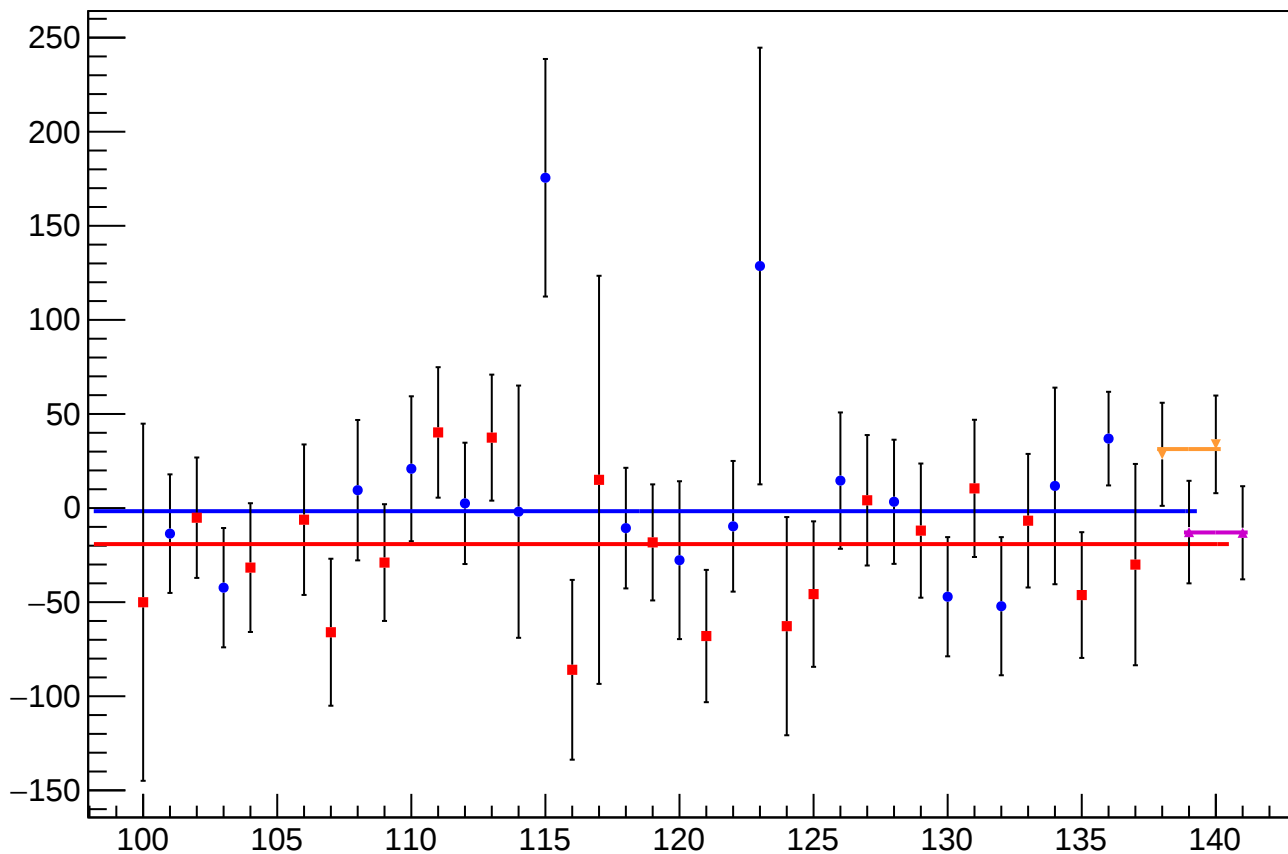
Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

Left In: 218.905 $\pm$ 0.125 χ^2 /NDF:280.8/1

200.890 $\pm$ 0.052 χ^2 /NDF: 1031997.0/18

180.799 $\pm$ 0.046 χ^2 /NDF: 1641117.8/21

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: 31.355 ± 18.836 χ^2/NDF : 0.0/1

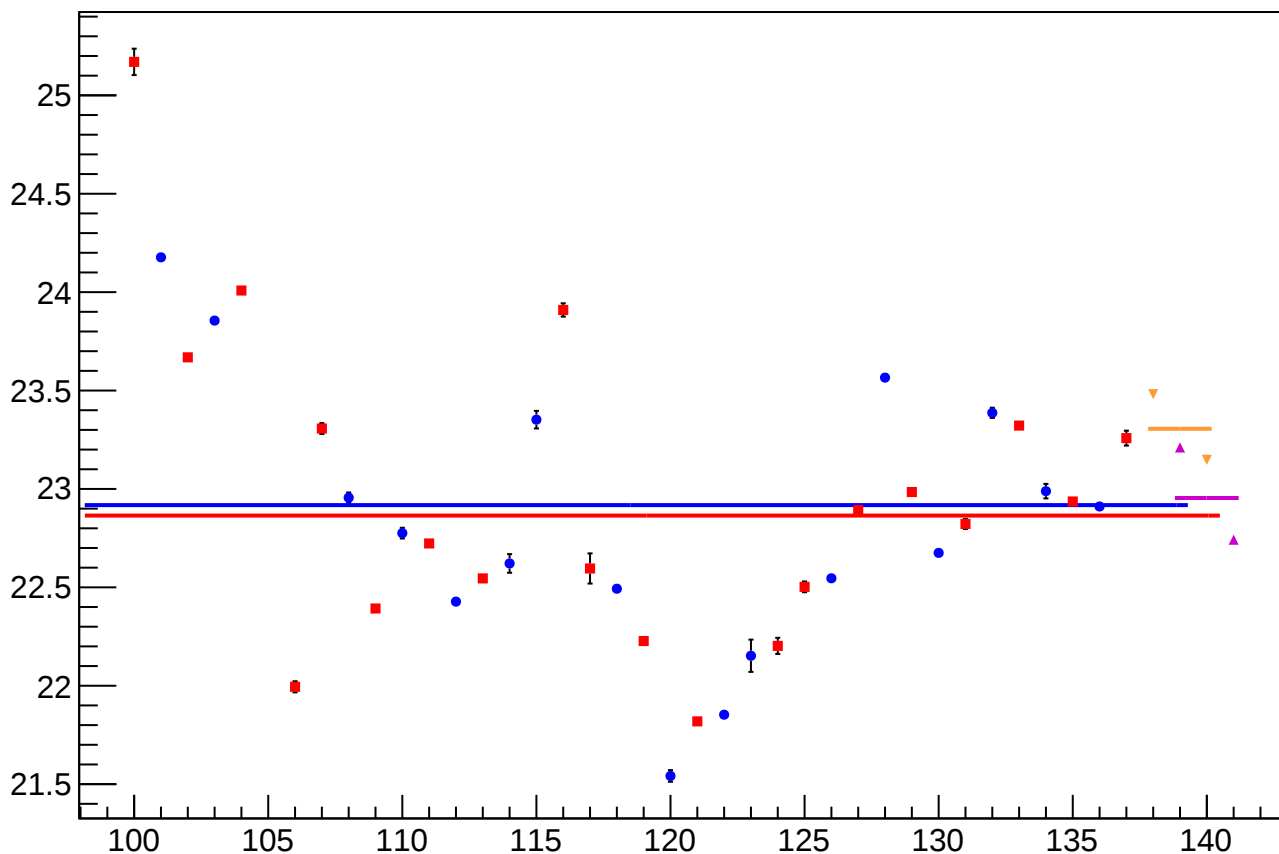
Right Out: -19.145 ± 8.529 χ^2/NDF : 14.9/19

Left In: -12.966 ± 18.320 χ^2/NDF : 0.0/1

4.349 ± 8.033 χ^2/NDF : 21.1/18

-18.044 ± 7.732 χ^2/NDF : 15.0/21

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 23.306 $\pm$ 0.013 χ^2 /NDF:156.3/1

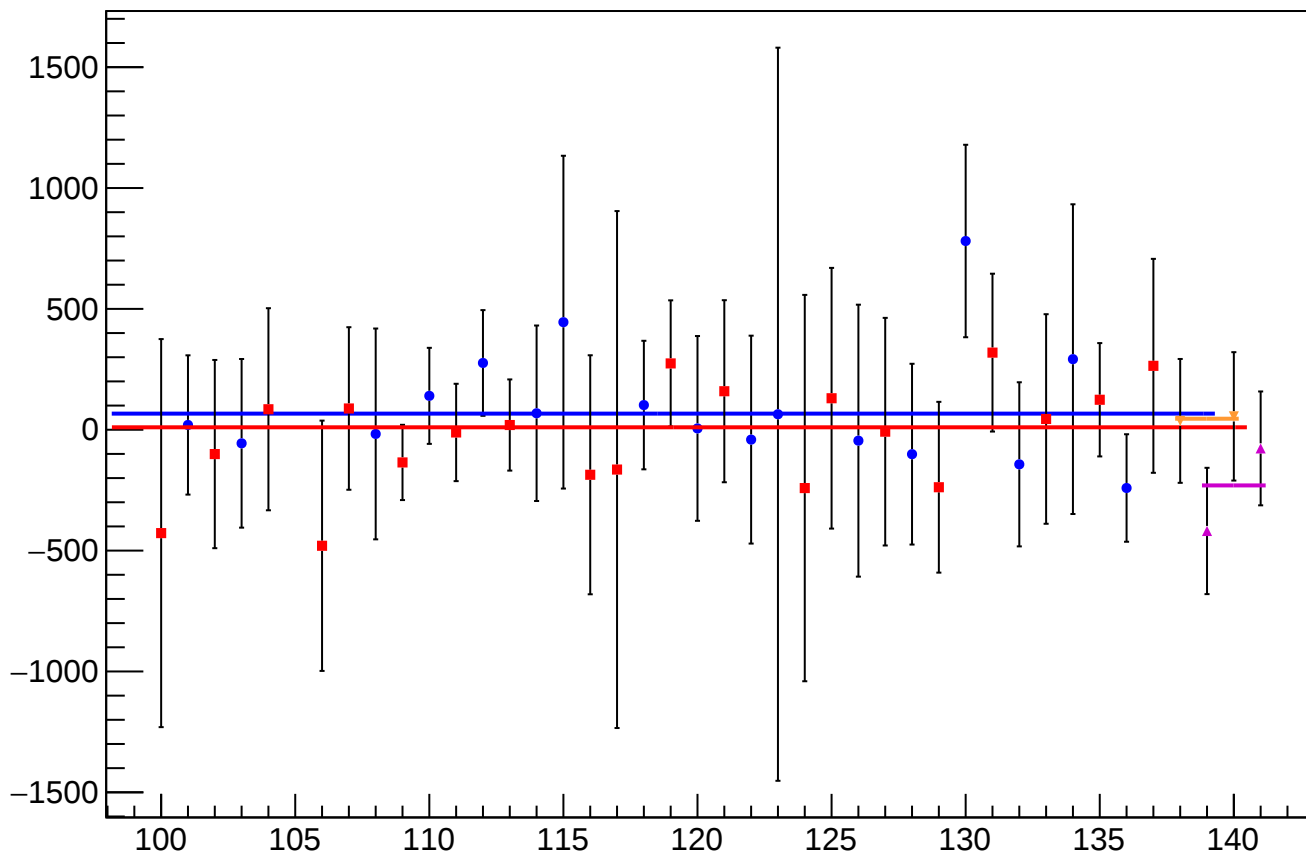
Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11064.9/19

Left In: 22.954 $\pm$ 0.013 χ^2 /NDF:324.3/1

22.988 $\pm$ 0.006 χ^2 /NDF: 12322.1/18

22.881 $\pm$ 0.005 χ^2 /NDF: 11428.3/21

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 45.642 $\pm$ 184.389 χ^2 /NDF: 0.0/1

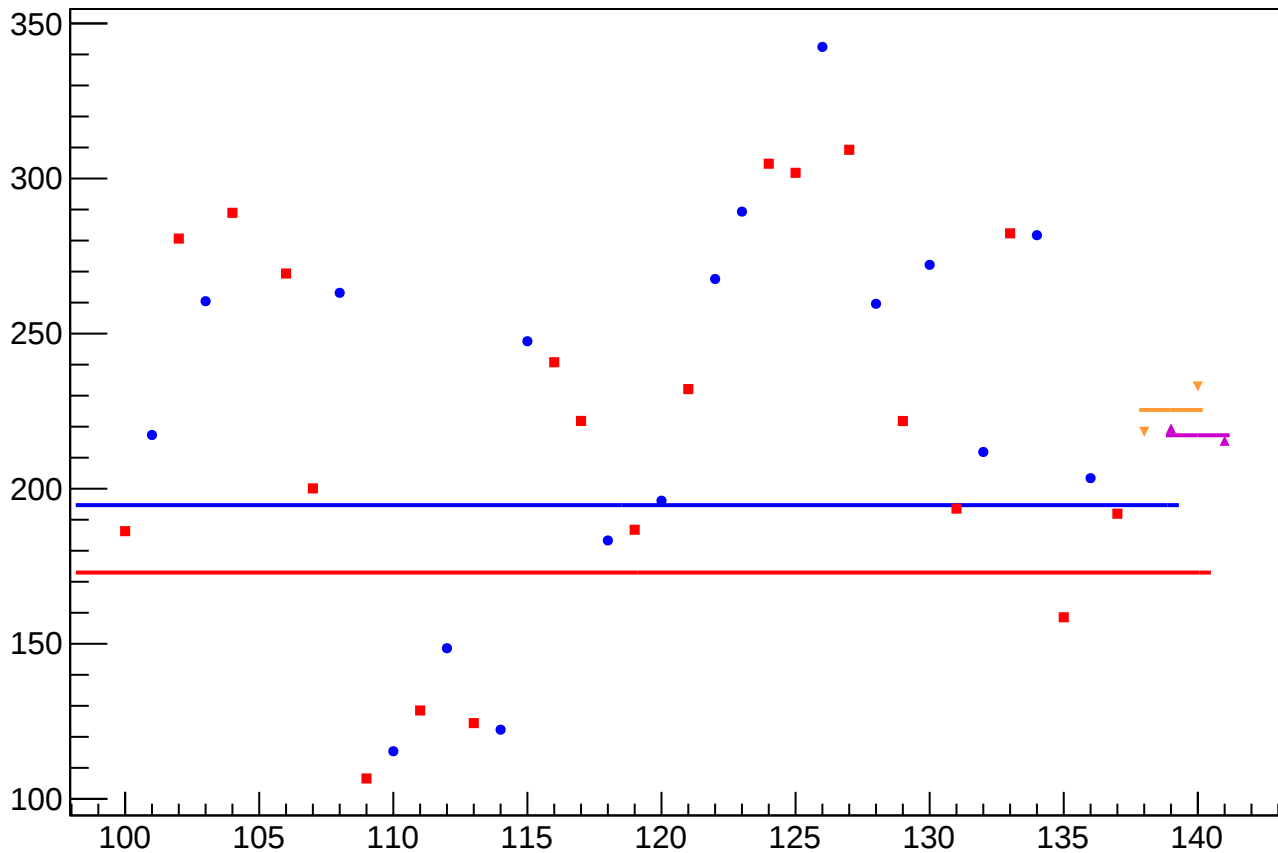
Right Out: 10.113 $\pm$ 70.234 χ^2 /NDF: 5.7/19

Left In: -230.336 $\pm$ 174.945 χ^2 /NDF: 0.9/1

63.365 $\pm$ 73.386 χ^2 /NDF: 7.5/18

-23.262 $\pm$ 65.178 χ^2 /NDF: 8.3/21

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703 $\pm$ 0.057 χ^2/NDF : 1019872.4/16

Left Out: 225.392 $\pm$ 0.130 χ^2/NDF :3137.3/1

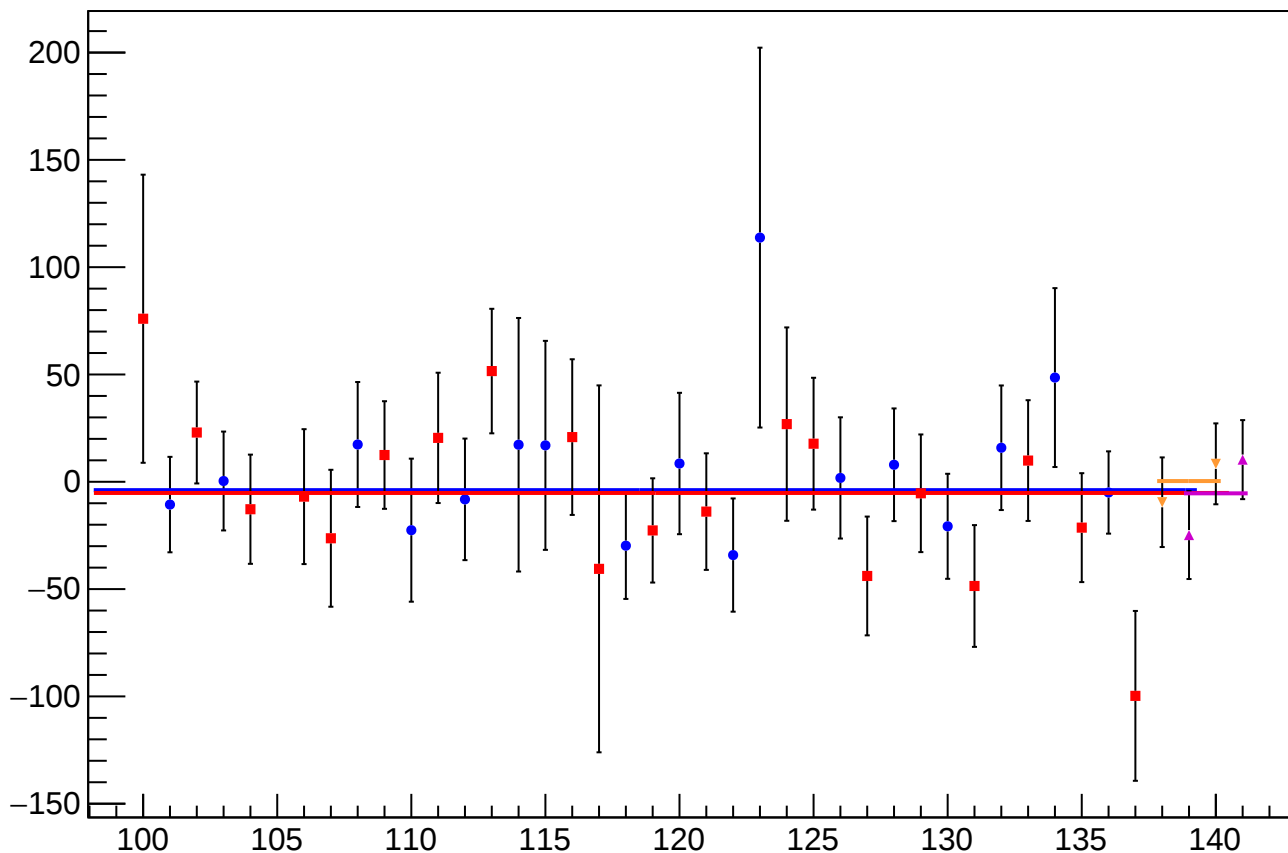
Right Out: 172.965 $\pm$ 0.050 χ^2/NDF : 1601142.0/19

Left In: 217.231 $\pm$ 0.124 χ^2/NDF :257.4/1

199.564 $\pm$ 0.052 χ^2/NDF : 1069638.2/18

179.109 $\pm$ 0.046 χ^2/NDF : 1711674.5/21

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: 0.337+/-13.991 χ^2/NDF : 0.4/1

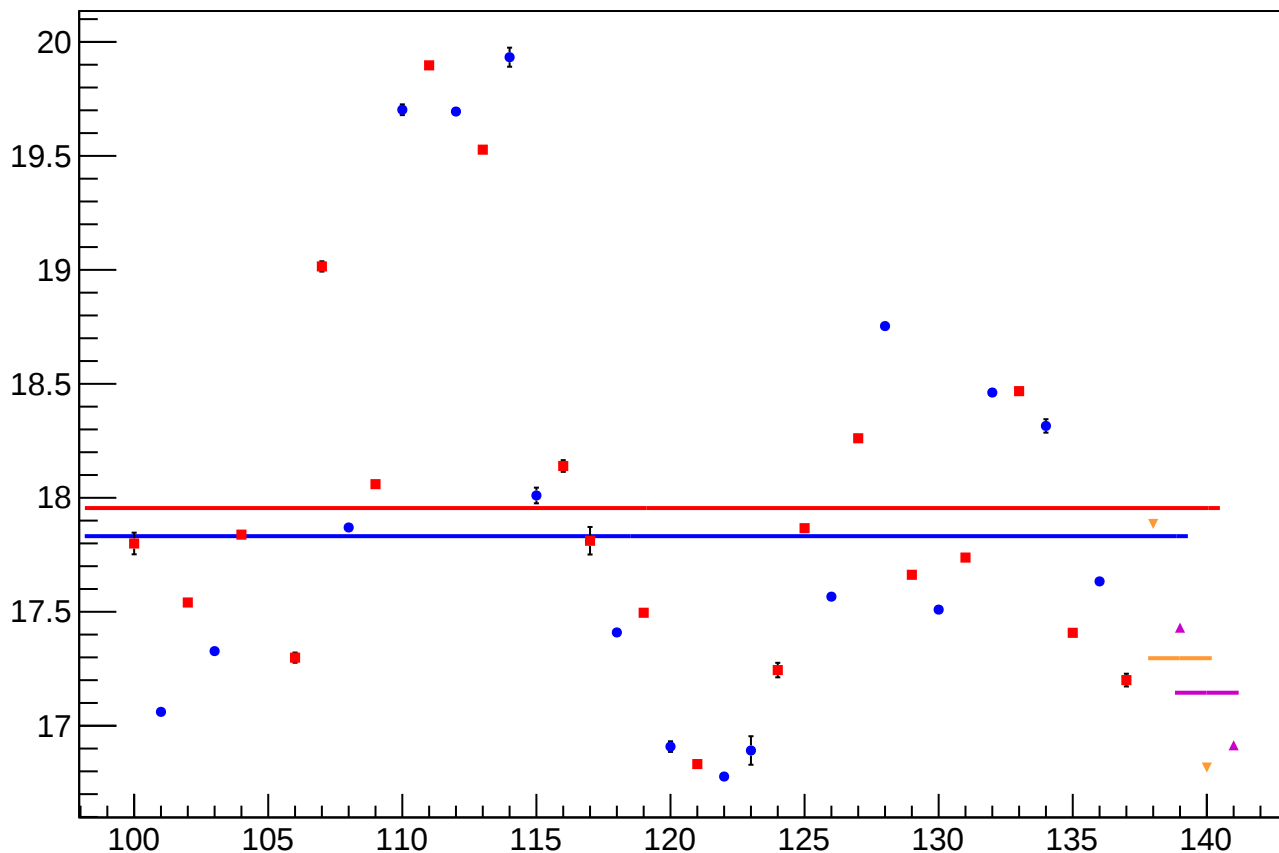
Right Out: -5.204+/-6.706 χ^2/NDF : 21.5/19

Left In: -5.383+/-13.694 χ^2/NDF : 1.6/1

-3.064+/-6.199 χ^2/NDF : 8.9/18

-5.238+/-6.023 χ^2/NDF : 23.1/21

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 $\pm$ 0.005 χ^2/NDF : 30863.4/16

Left Out: 17.296 $\pm$ 0.010 χ^2/NDF : 2886.6/1

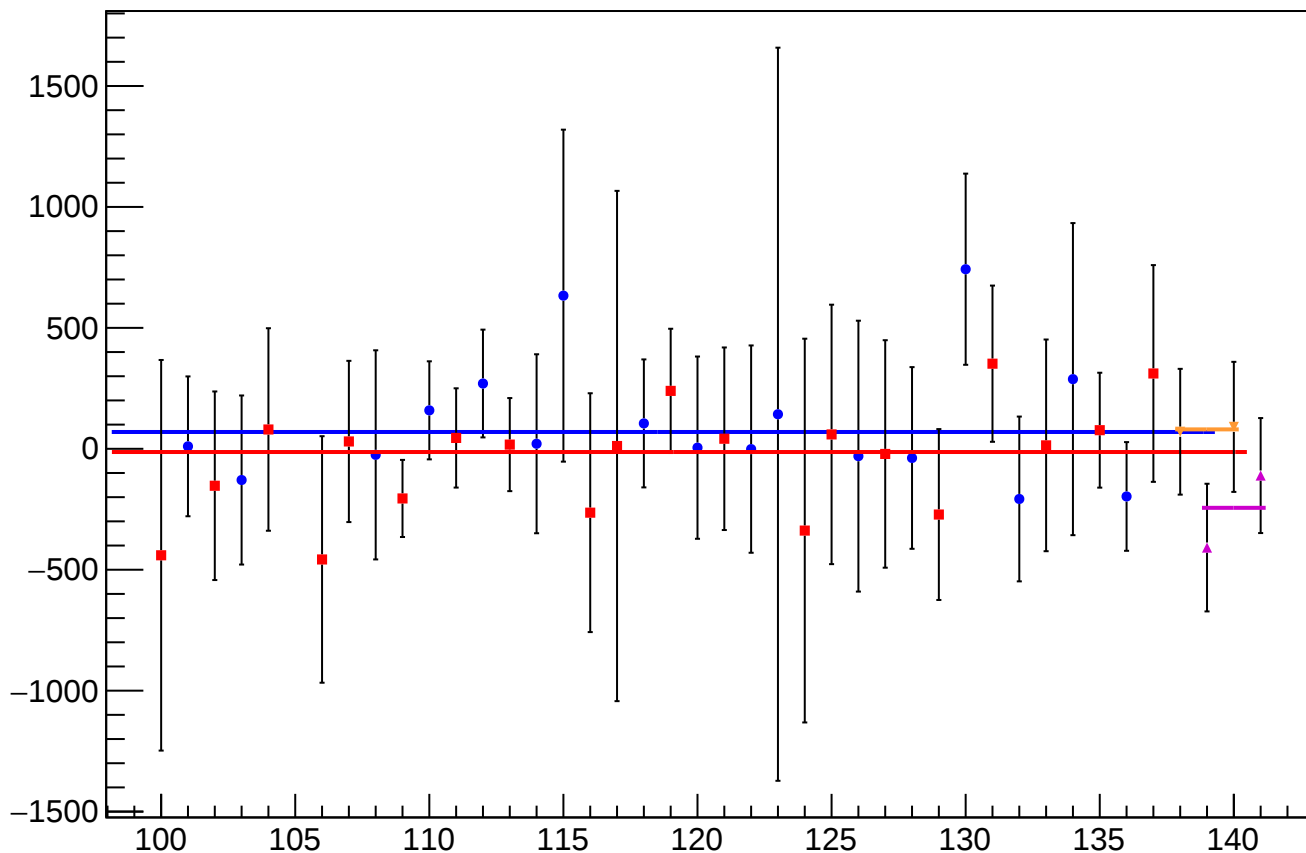
Right Out: 17.955 $\pm$ 0.005 χ^2/NDF : 25454.6/19

Left In: 17.145 $\pm$ 0.010 χ^2/NDF : 702.0/1

17.727 $\pm$ 0.004 χ^2/NDF : 36104.0/18

17.798 $\pm$ 0.004 χ^2/NDF : 31802.1/21

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: 80.255+/-186.917 χ^2/NDF : 0.0/1

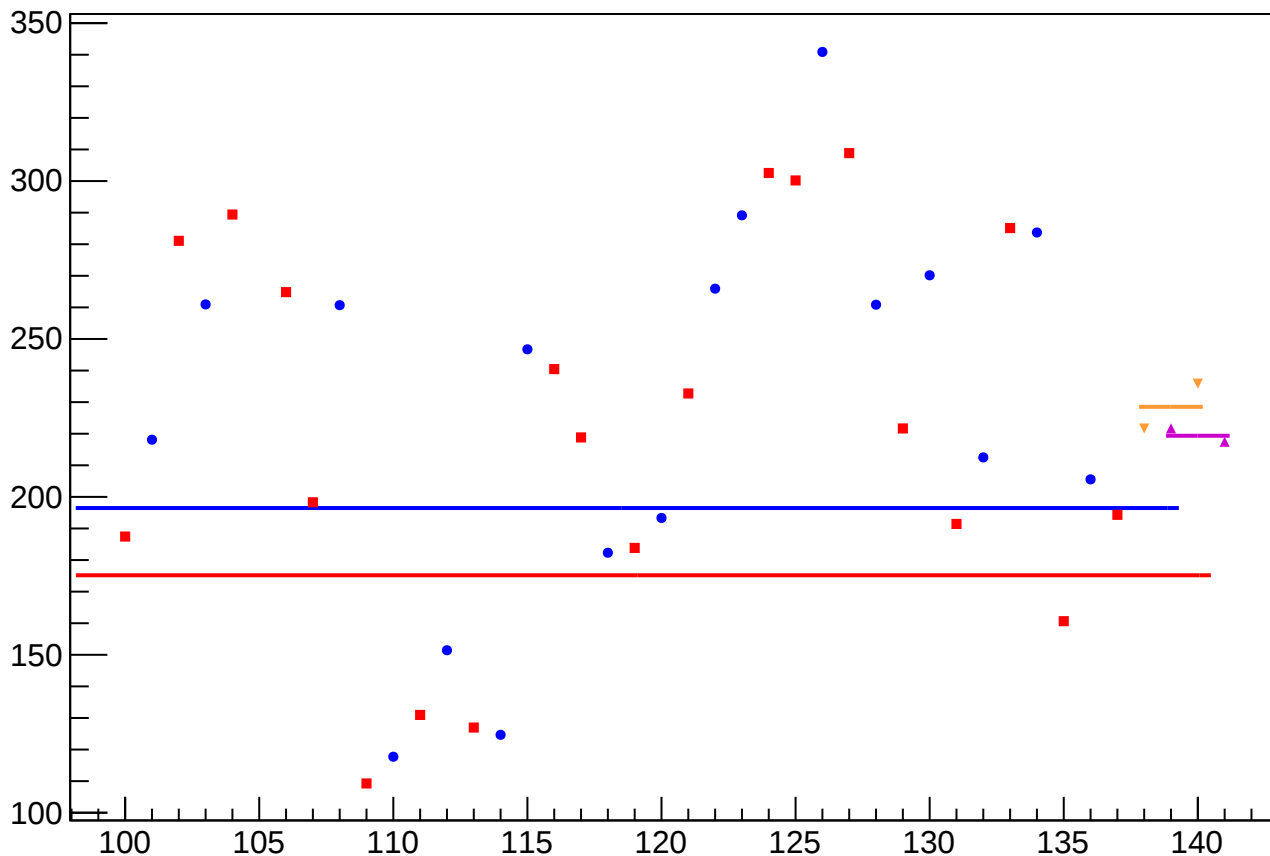
Right Out: -13.298+/-70.881 χ^2/NDF : 6.7/19

Left In: -244.039+/-176.641 χ^2/NDF : 0.7/1

71.193+/-73.974 χ^2/NDF : 7.4/18

-45.298+/-65.782 χ^2/NDF : 8.9/21

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: 228.514 $\pm$ 0.132 χ^2 /NDF:2885.6/1

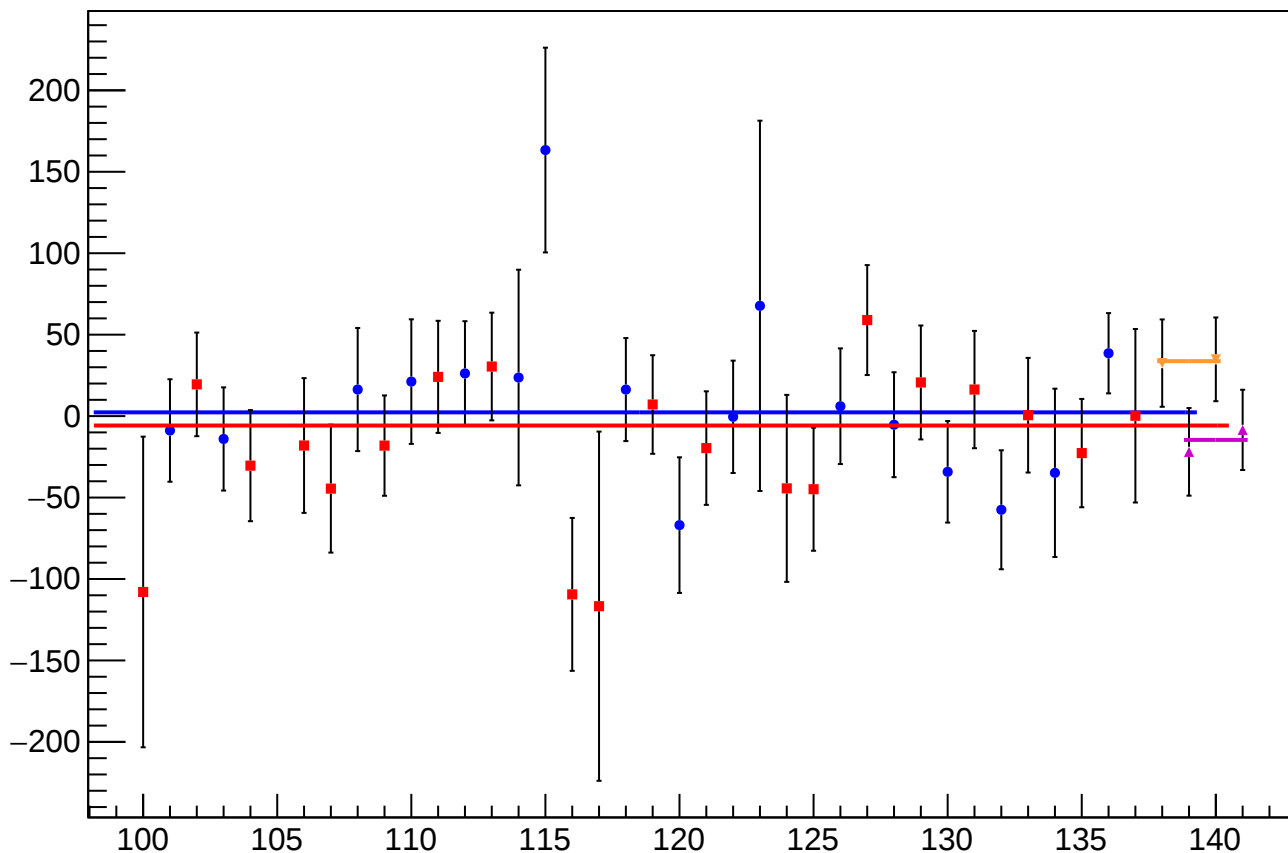
Right Out: 175.179 $\pm$ 0.050 χ^2 /NDF: 1514541.6/19

Left In: 219.357 $\pm$ 0.125 χ^2 /NDF:283.4/1

201.489 $\pm$ 0.052 χ^2 /NDF: 1016739.1/18

181.306 $\pm$ 0.047 χ^2 /NDF: 1622574.2/21

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: 33.743 ± 18.553 $\chi^2/\text{NDF}: 0.0/1$

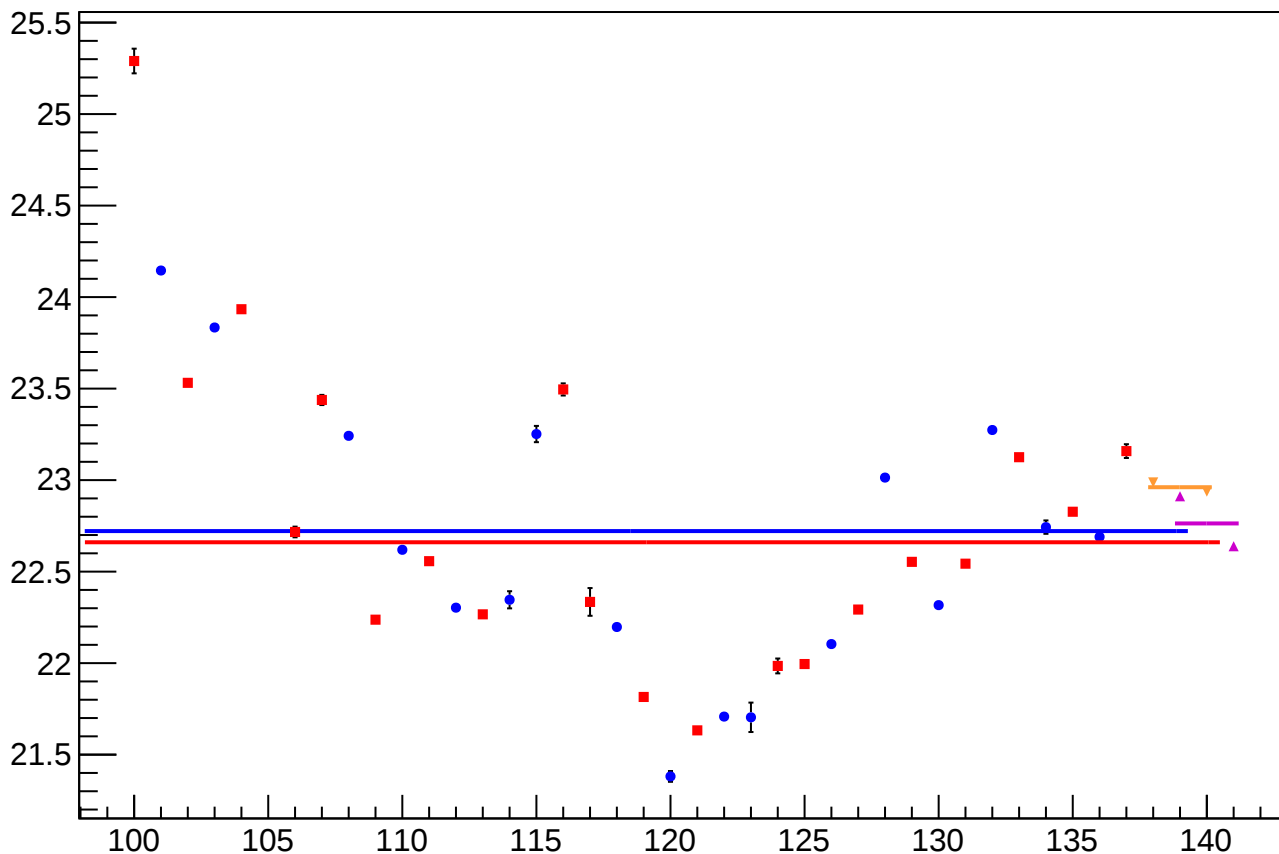
Right Out: -5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

Left In: -14.606 ± 18.167 $\chi^2/\text{NDF}: 0.1/1$

8.086 ± 7.955 $\chi^2/\text{NDF}: 20.5/18$

-7.353 ± 7.664 $\chi^2/\text{NDF}: 18.5/21$

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: 22.961 $\pm$ 0.013 χ^2 /NDF:3.7/1

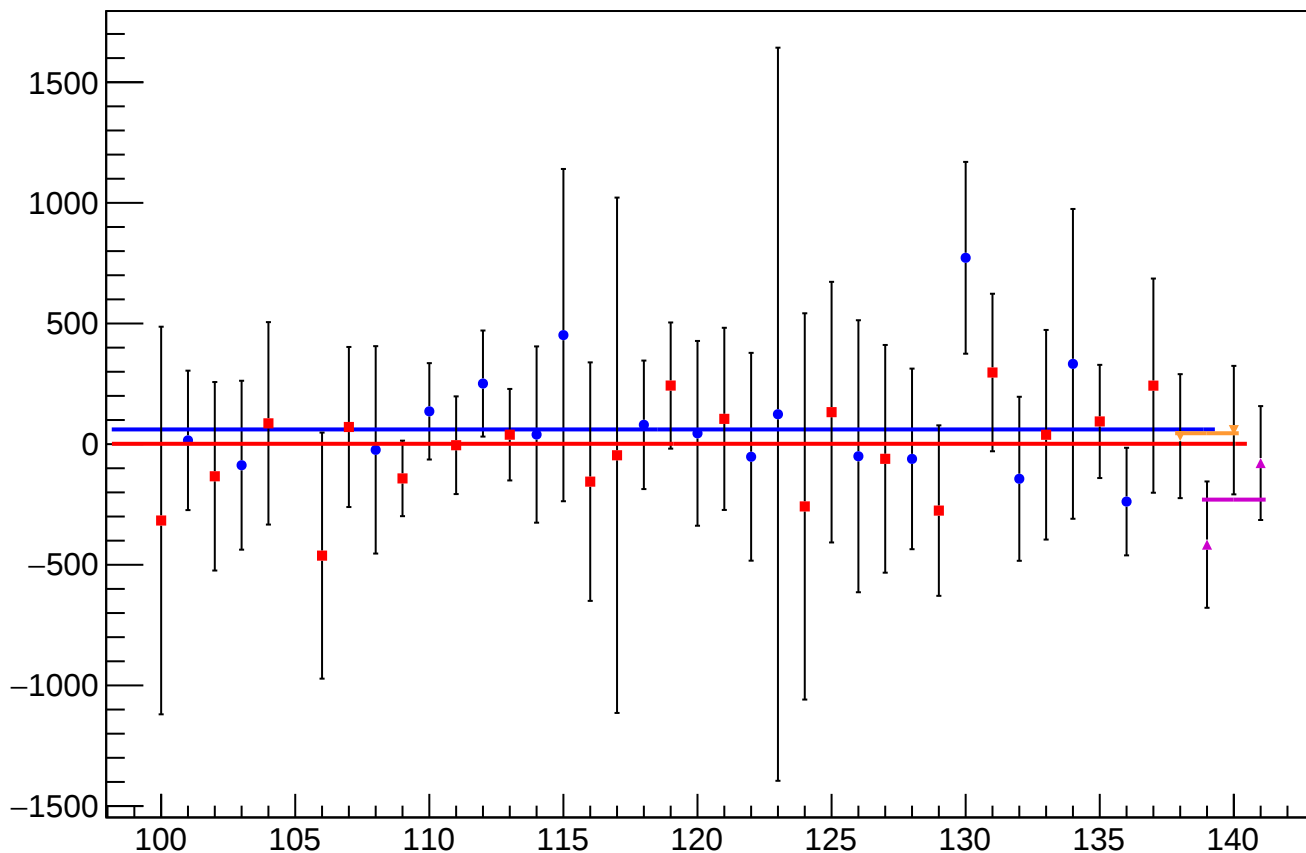
Right Out: 22.660 $\pm$ 0.006 χ^2 /NDF: 12974.2/19

Left In: 22.763 $\pm$ 0.013 χ^2 /NDF:112.1/1

22.766 $\pm$ 0.006 χ^2 /NDF: 13856.7/18

22.679 $\pm$ 0.005 χ^2 /NDF: 13139.0/21

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: 45.187 $\pm$ 184.875 χ^2 /NDF: 0.0/1

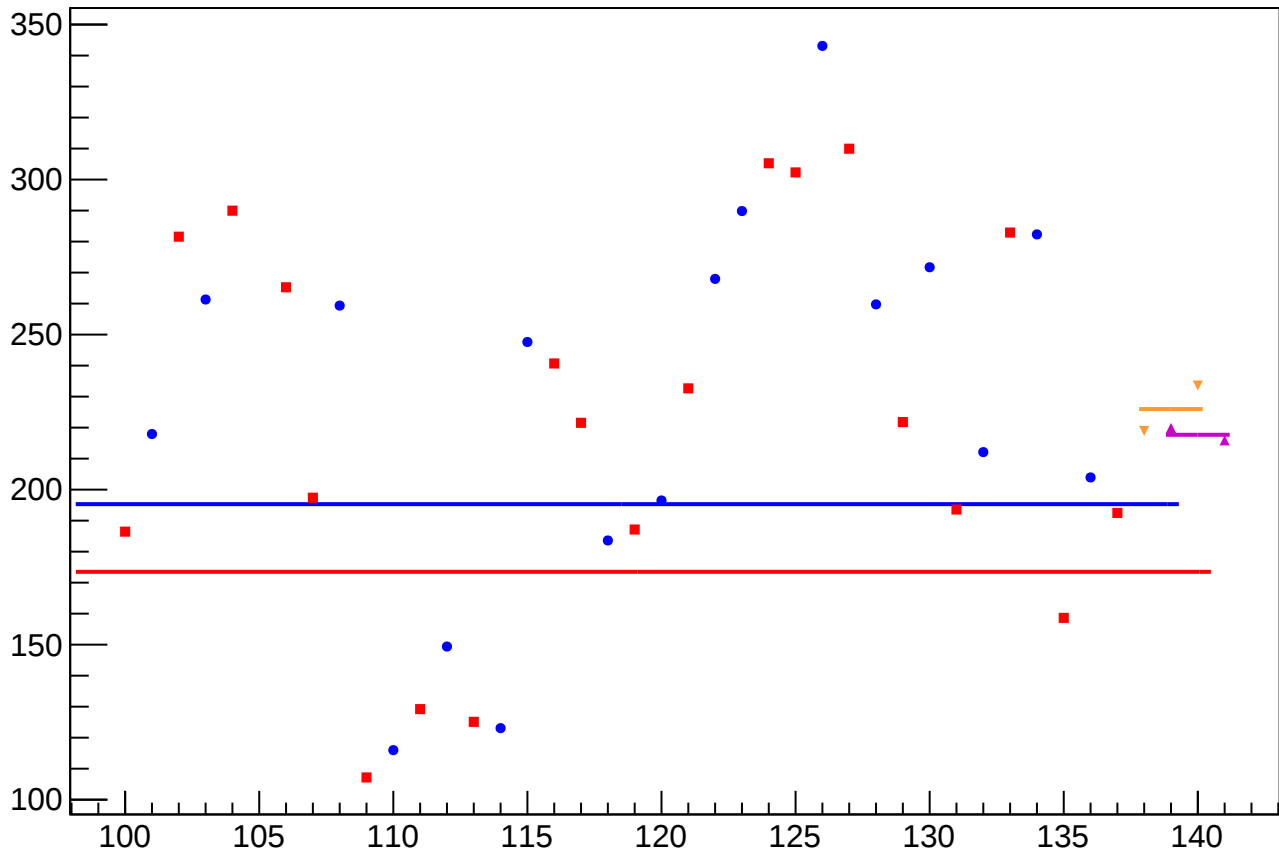
Right Out: 1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

Left In: -229.929 $\pm$ 175.311 χ^2 /NDF: 0.9/1

58.462 $\pm$ 73.573 χ^2 /NDF: 7.2/18

-30.686 $\pm$ 65.326 χ^2 /NDF: 7.6/21

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 225.986 $\pm$ 0.131 χ^2 /NDF:3125.3/1

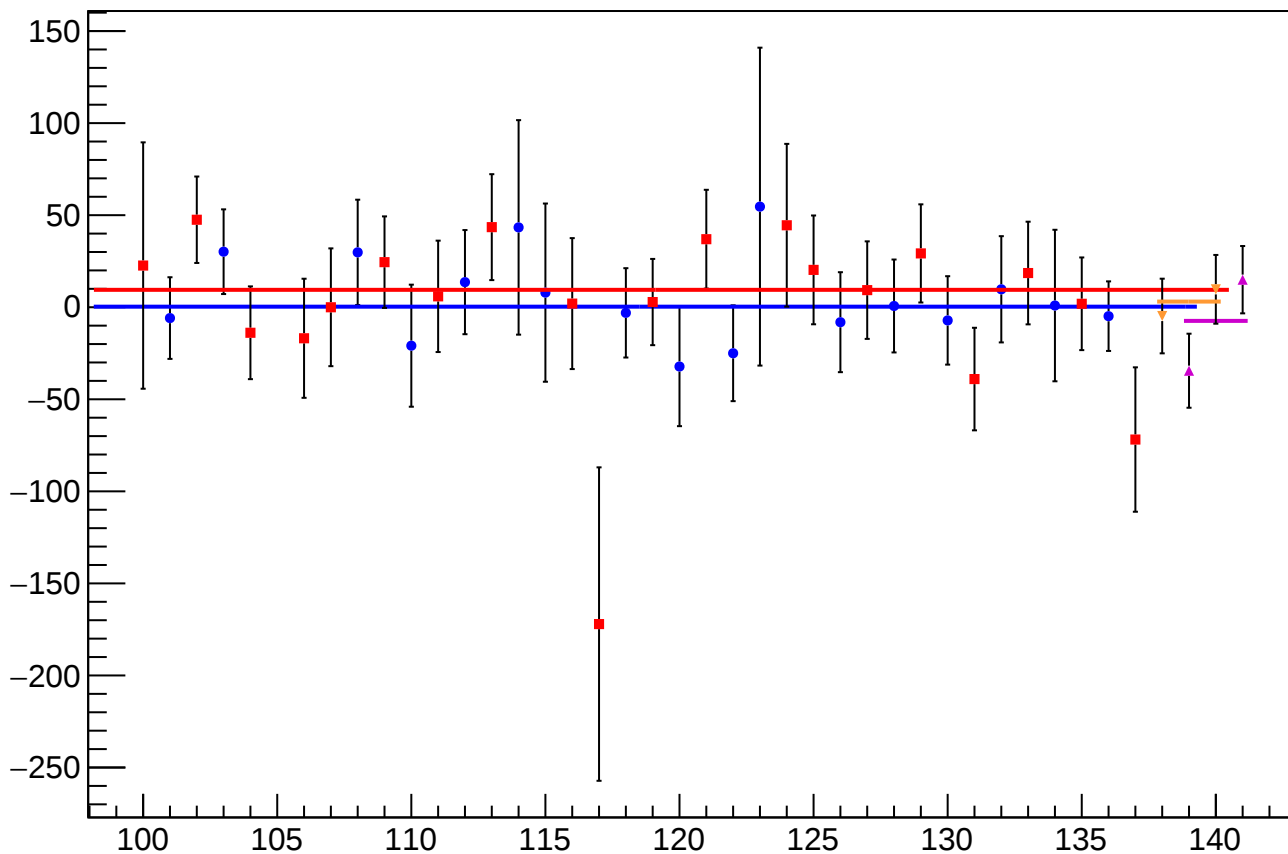
Right Out: 173.495 $\pm$ 0.050 χ^2 /NDF: 1582449.6/19

Left In: 217.687 $\pm$ 0.124 χ^2 /NDF:260.2/1

200.173 $\pm$ 0.052 χ^2 /NDF: 1053662.4/18

179.631 $\pm$ 0.046 χ^2 /NDF: 1692150.8/21

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: 3.075 ± 13.734 χ^2/NDF : 0.3/1

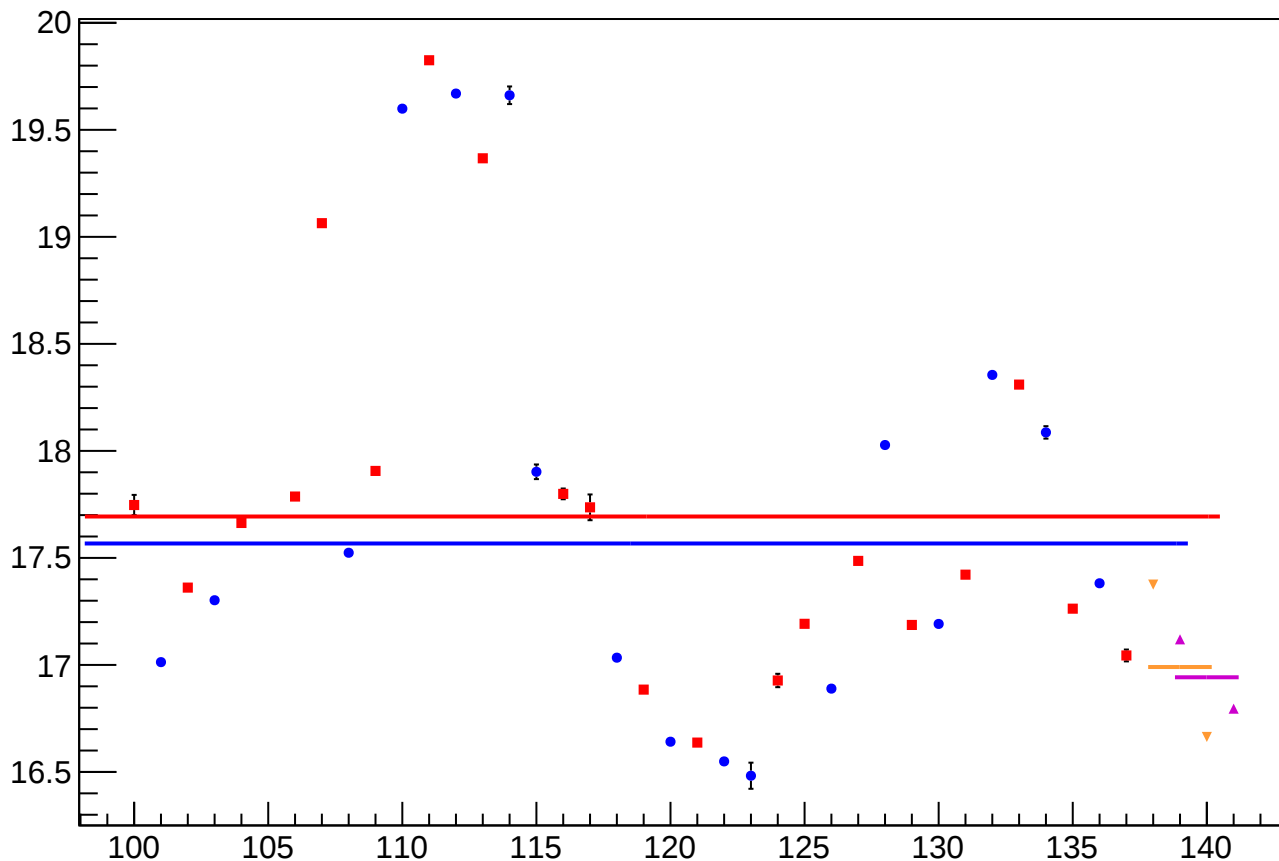
Right Out: 9.452 ± 6.608 χ^2/NDF : 20.6/19

Left In: -7.417 ± 13.527 χ^2/NDF : 3.3/1

0.852 ± 6.103 χ^2/NDF : 7.1/18

6.202 ± 5.937 χ^2/NDF : 25.2/21

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: 16.990 $\pm$ 0.010 χ^2 /NDF:1334.1/1

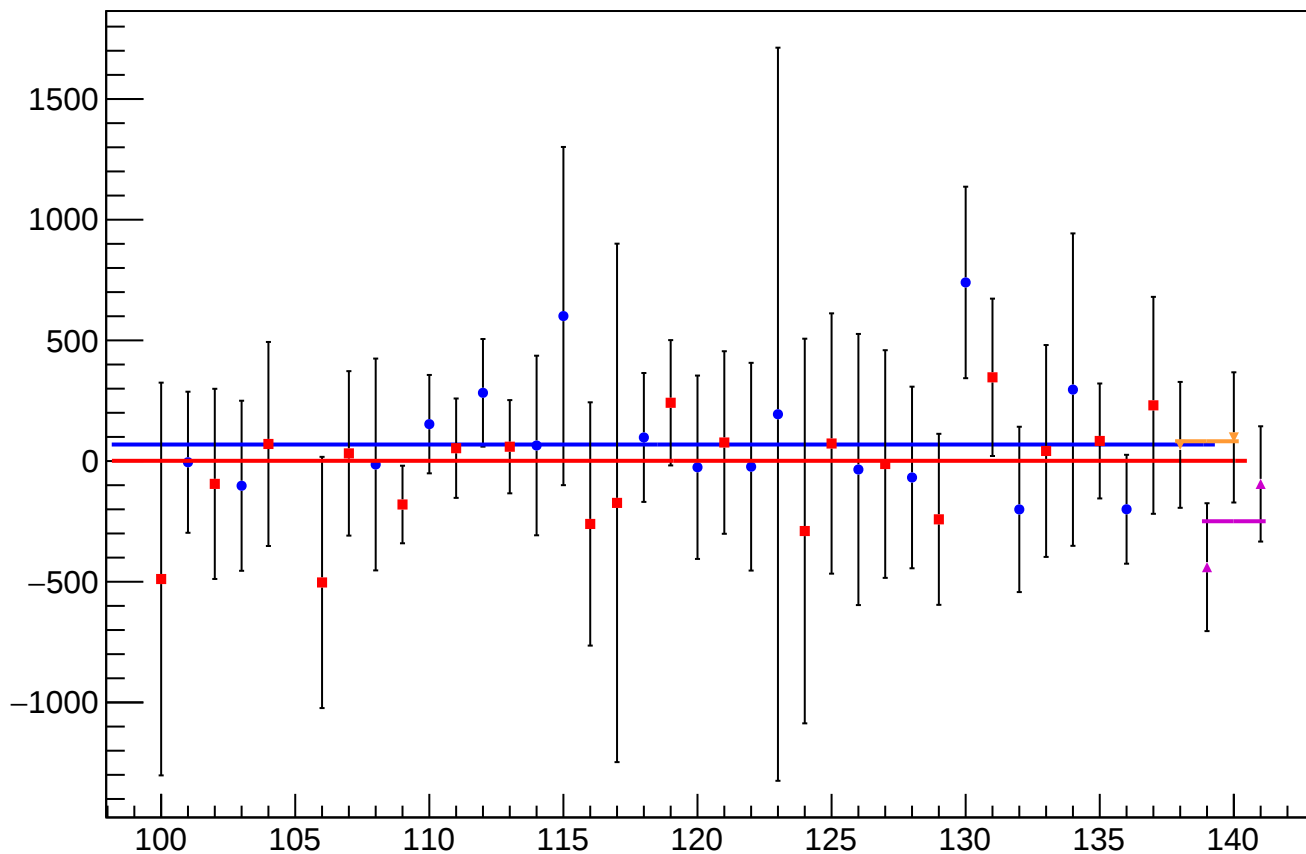
Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.6/19

Left In: 16.942 $\pm$ 0.010 χ^2 /NDF:284.2/1

17.453 $\pm$ 0.004 χ^2 /NDF: 37313.6/18

17.549 $\pm$ 0.004 χ^2 /NDF: 36030.9/21

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: 82.053+/-187.498 χ^2/NDF : 0.0/1

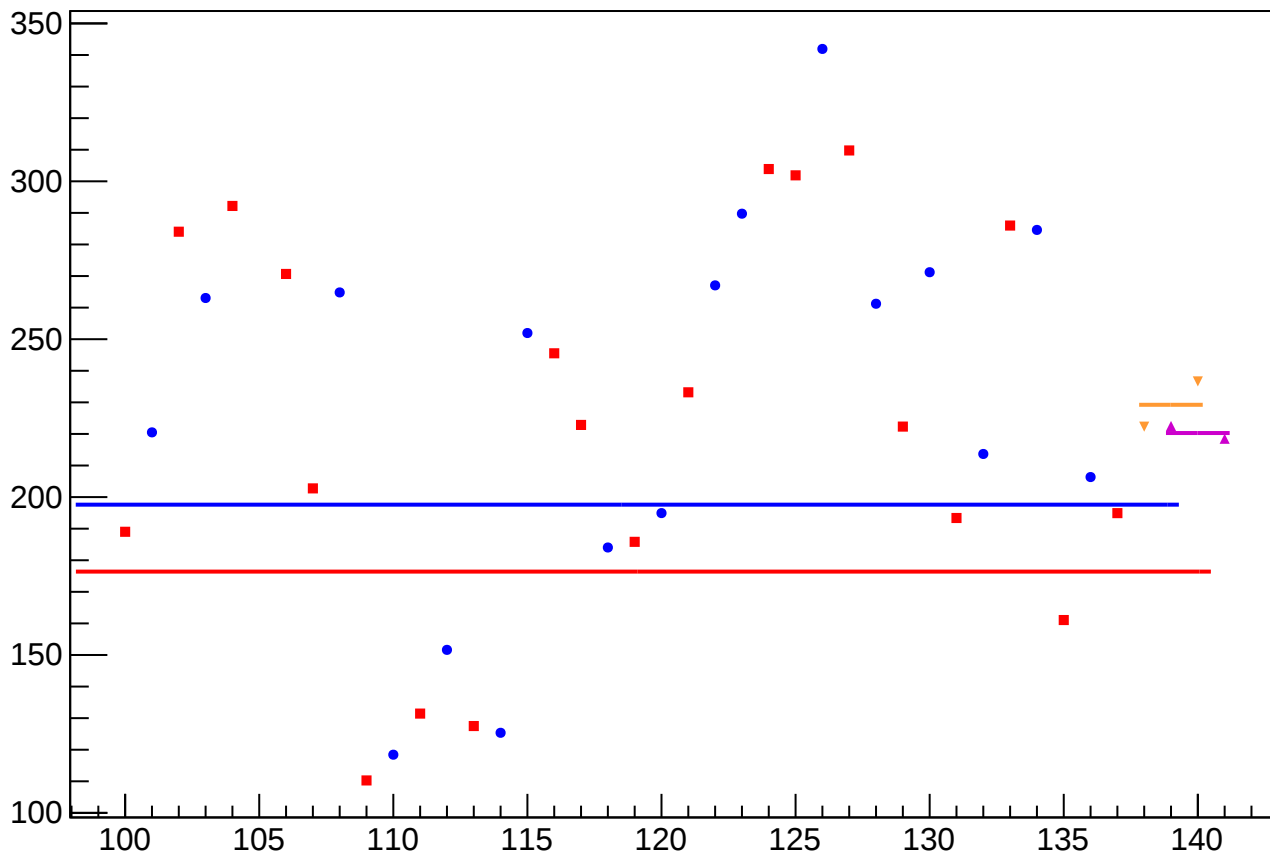
Right Out: 1.057+/-71.380 χ^2/NDF : 6.1/19

Left In: -249.334+/-177.385 χ^2/NDF : 0.9/1

70.677+/-74.372 χ^2/NDF : 7.3/18

-33.837+/-66.219 χ^2/NDF : 8.8/21

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 ± 0.057 $\chi^2/\text{NDF}: 968827.8/16$

Left Out: 229.229 ± 0.133 $\chi^2/\text{NDF}: 2916.8/1$

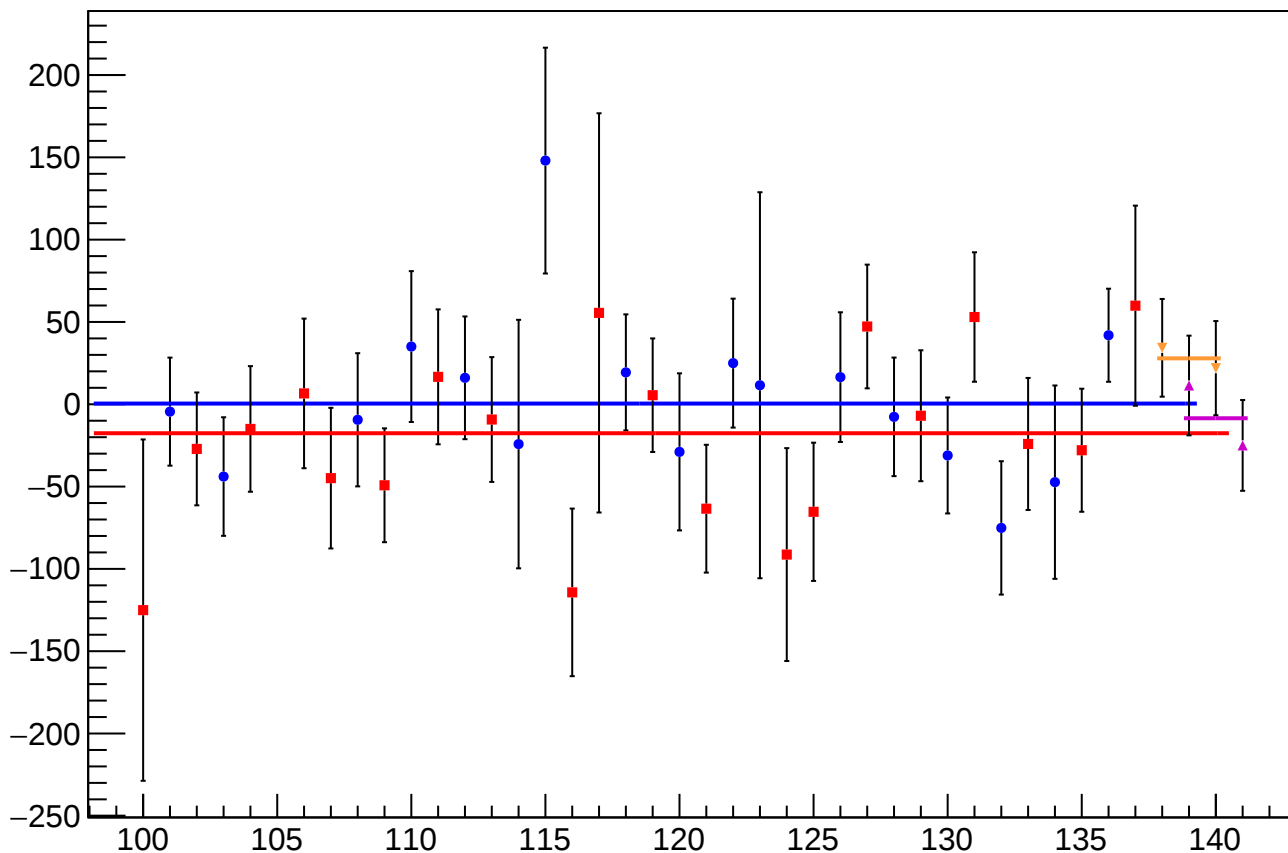
Right Out: 176.407 ± 0.050 $\chi^2/\text{NDF}: 1523589.5/19$

Left In: 220.289 ± 0.125 $\chi^2/\text{NDF}: 257.9/1$

202.579 ± 0.053 $\chi^2/\text{NDF}: 1019692.3/18$

182.523 ± 0.047 $\chi^2/\text{NDF}: 1629185.7/21$

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: 27.887 ± 20.596 χ^2/NDF : 0.1/1

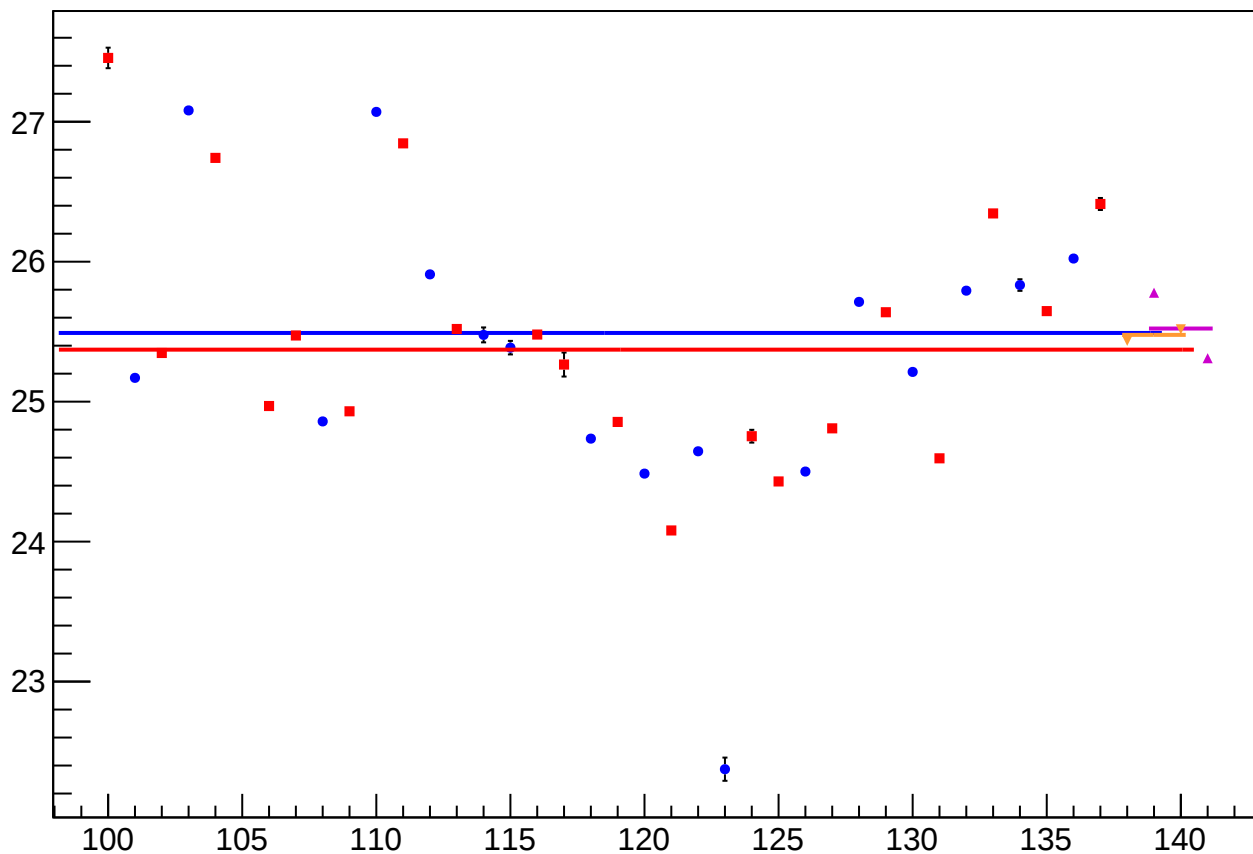
Right Out: -17.595 ± 9.470 χ^2/NDF : 19.8/19

Left In: -8.501 ± 20.386 χ^2/NDF : 0.8/1

5.567 ± 8.911 χ^2/NDF : 17.0/18

-15.981 ± 8.588 χ^2/NDF : 20.8/21

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: 25.477 $\pm$ 0.015 χ^2/NDF : 8.0/1

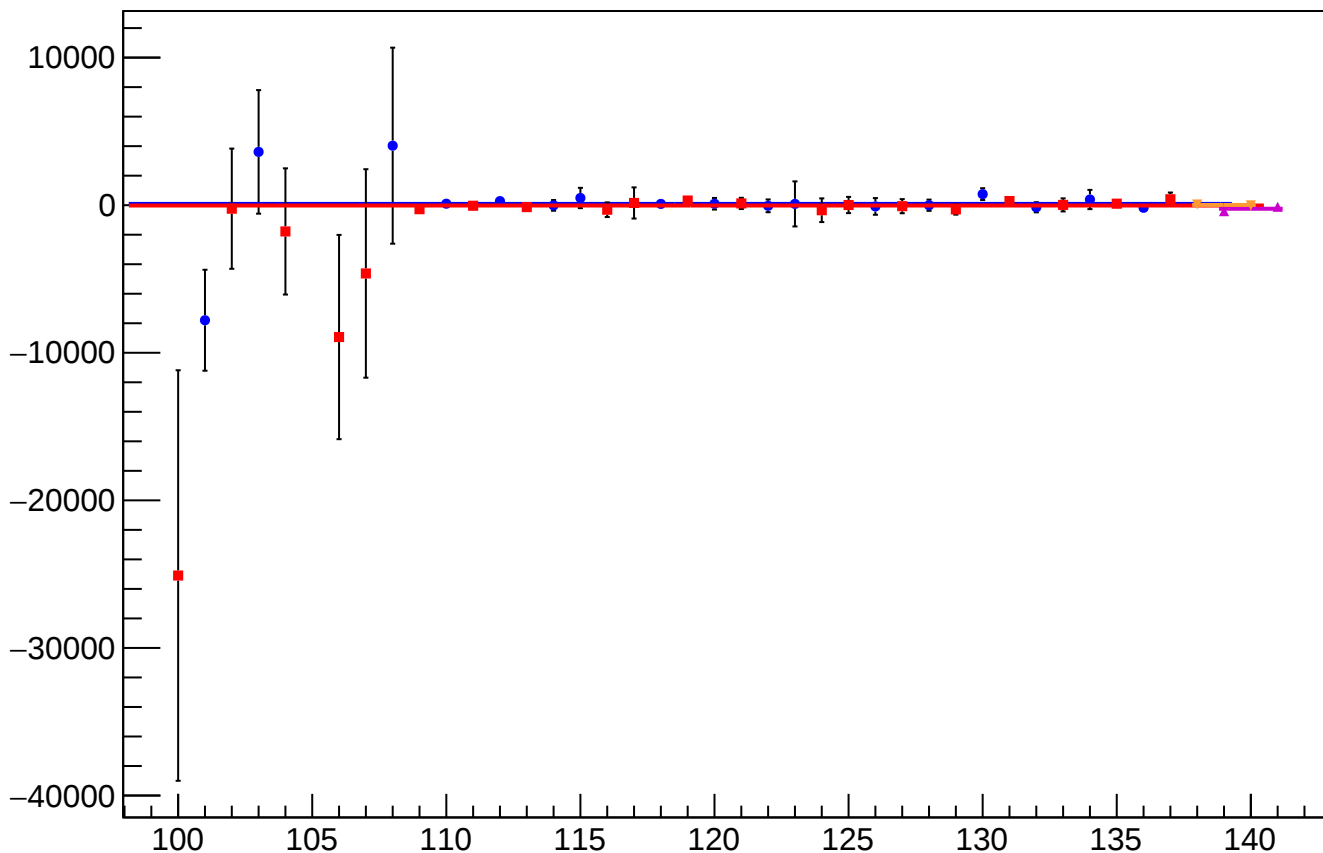
Right Out: 25.372 $\pm$ 0.007 χ^2/NDF : 13552.0/19

Left In: 25.522 $\pm$ 0.014 χ^2/NDF : 261.3/1

25.488 $\pm$ 0.006 χ^2/NDF : 13721.8/18

25.398 $\pm$ 0.006 χ^2/NDF : 13903.5/21

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558 $\pm$ 88.423 χ^2/NDF : 12.5/16

Left Out: 17.956 $\pm$ 183.371 χ^2/NDF : 0.0/1

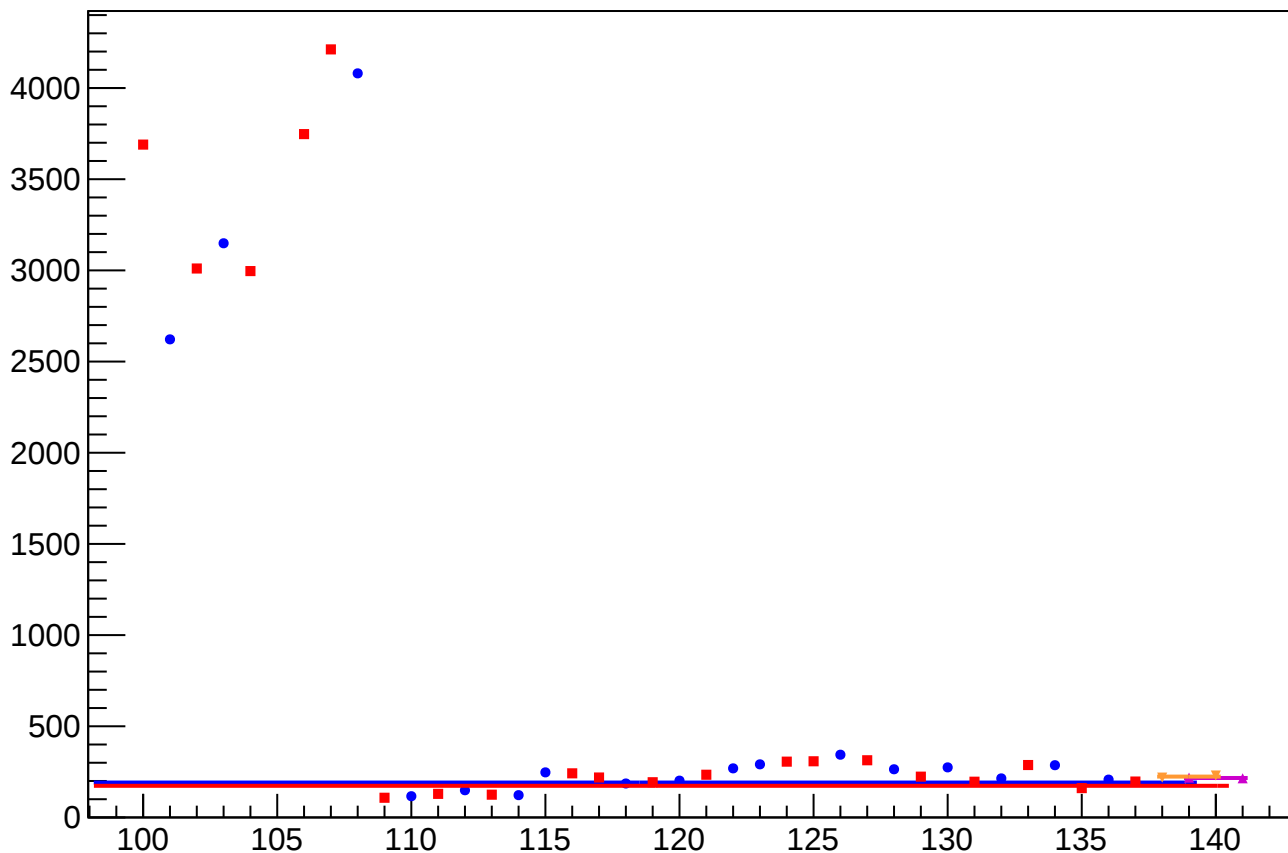
Right Out: -22.332 $\pm$ 80.711 χ^2/NDF : 11.9/19

Left In: -240.736 $\pm$ 174.398 χ^2/NDF : 0.7/1

73.615 $\pm$ 79.647 χ^2/NDF : 12.6/18

-60.859 $\pm$ 73.248 χ^2/NDF : 13.9/21

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: 224.080+/-0.130 χ^2/NDF :1953.9/1

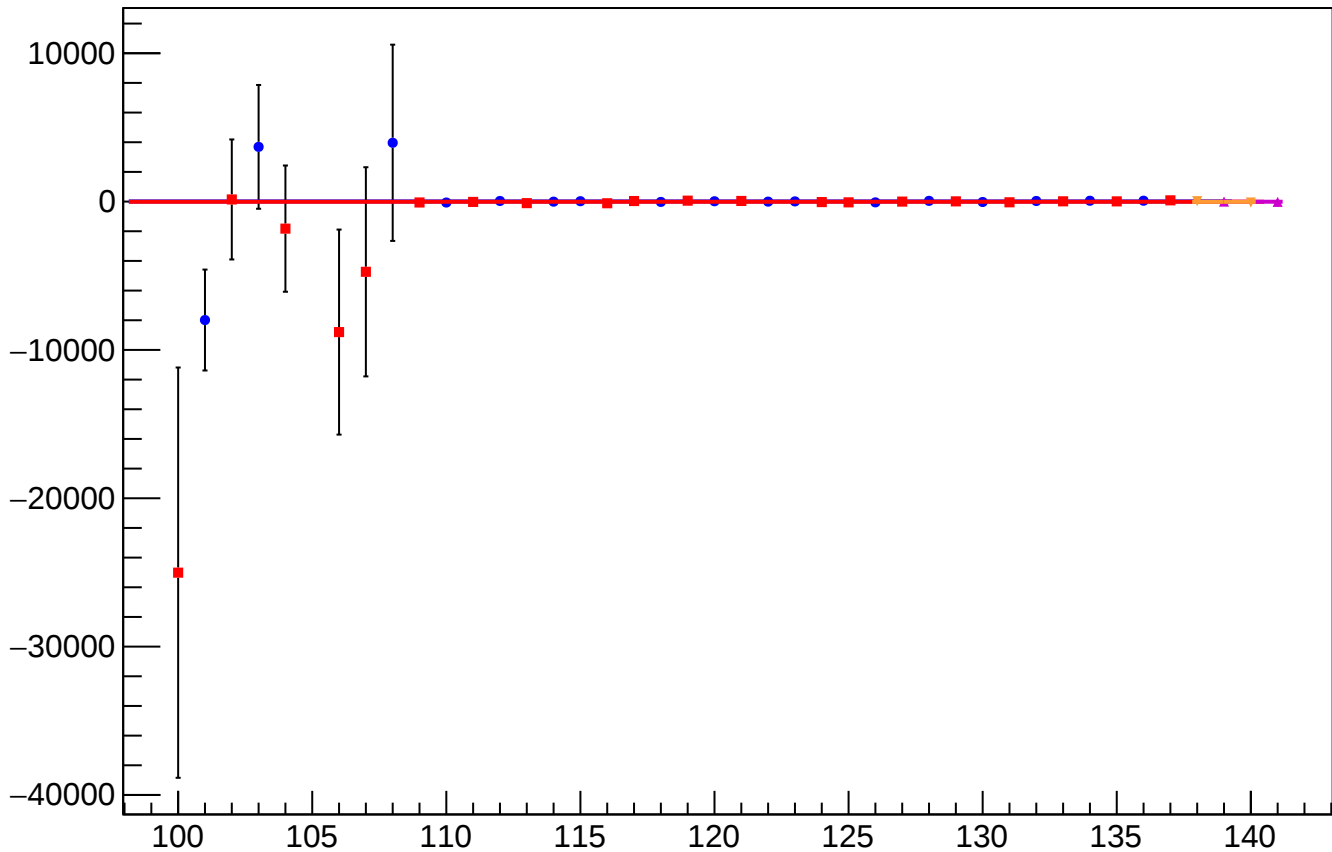
Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

Left In: 216.433+/-0.123 χ^2/NDF :216.1/1

197.629+/-0.056 χ^2/NDF : 3626400.0/18

181.127+/-0.052 χ^2/NDF : 4310899.0/21

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286 $\pm$ 12.282 χ^2 /NDF: 18.4/16

Left Out: -18.945 $\pm$ 23.620 χ^2 /NDF: 3.7/1

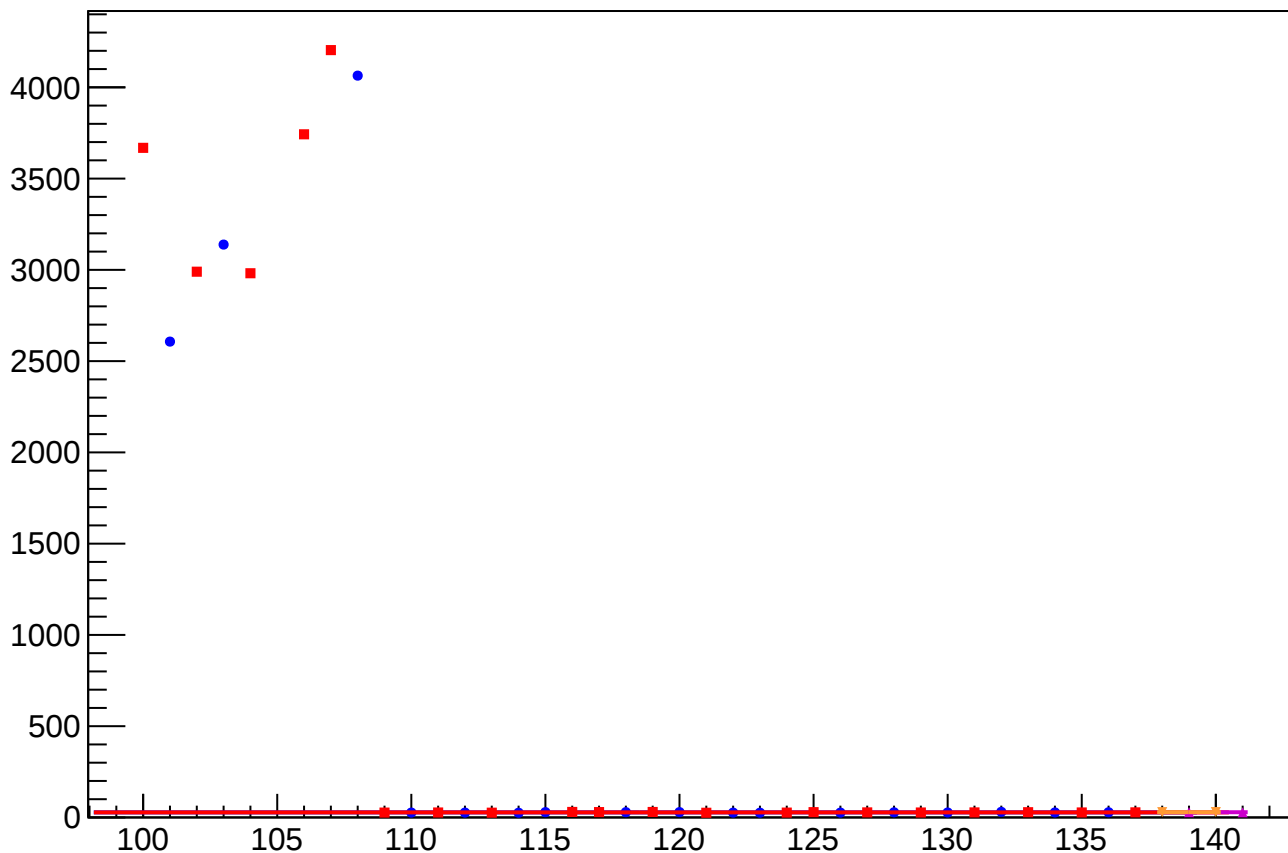
Right Out: -12.296 $\pm$ 12.186 χ^2 /NDF: 24.9/19

Left In: -10.184 $\pm$ 22.867 χ^2 /NDF: 0.2/1

4.064 $\pm$ 10.897 χ^2 /NDF: 23.2/18

-11.829 $\pm$ 10.754 χ^2 /NDF: 25.1/21

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: 29.117+/-0.017 χ^2/NDF :126.8/1

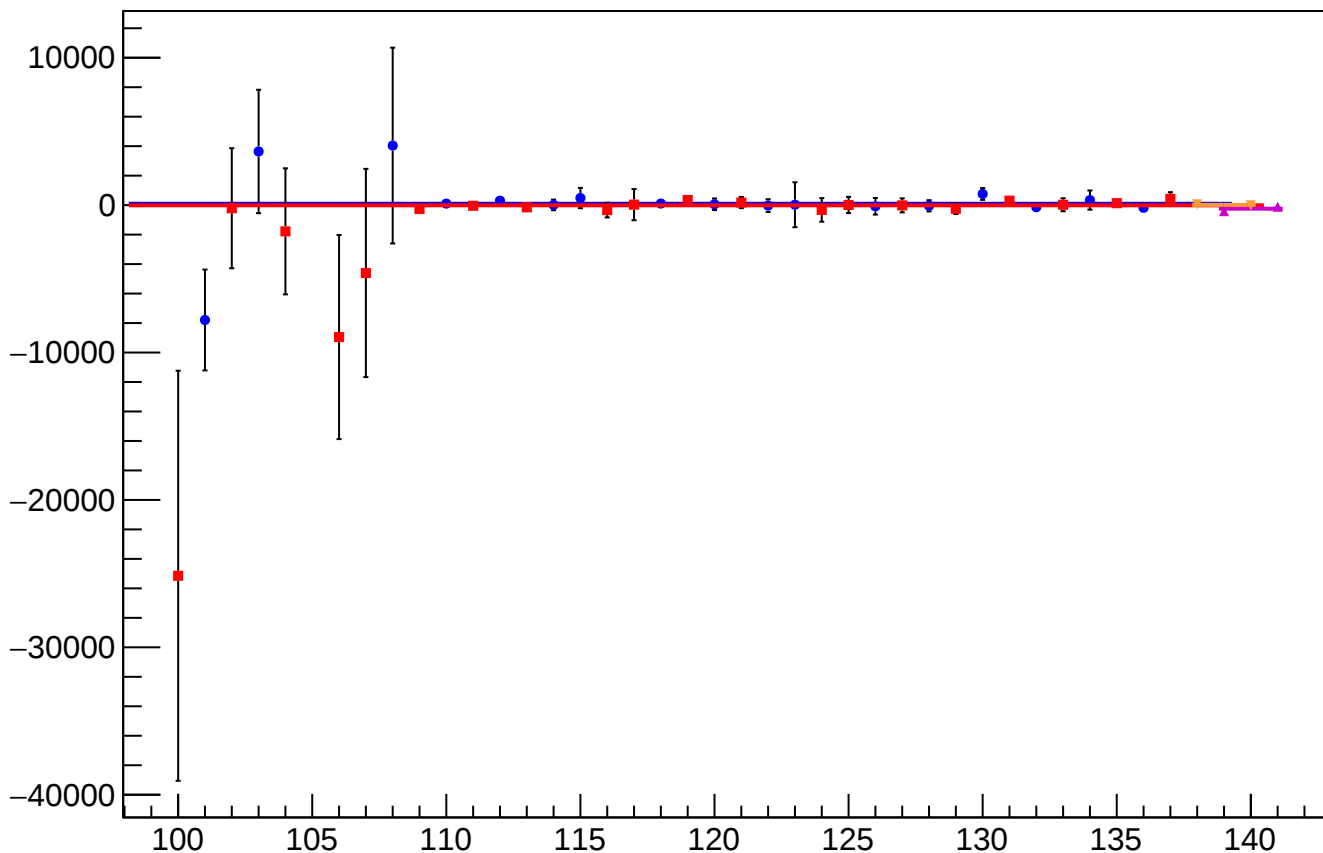
Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

Left In: 28.577+/-0.016 χ^2/NDF :575.5/1

28.123+/-0.008 χ^2/NDF : 3032289.7/18

27.900+/-0.008 χ^2/NDF : 3479958.7/21

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: 18.780+/-182.888 χ^2/NDF : 0.0/1

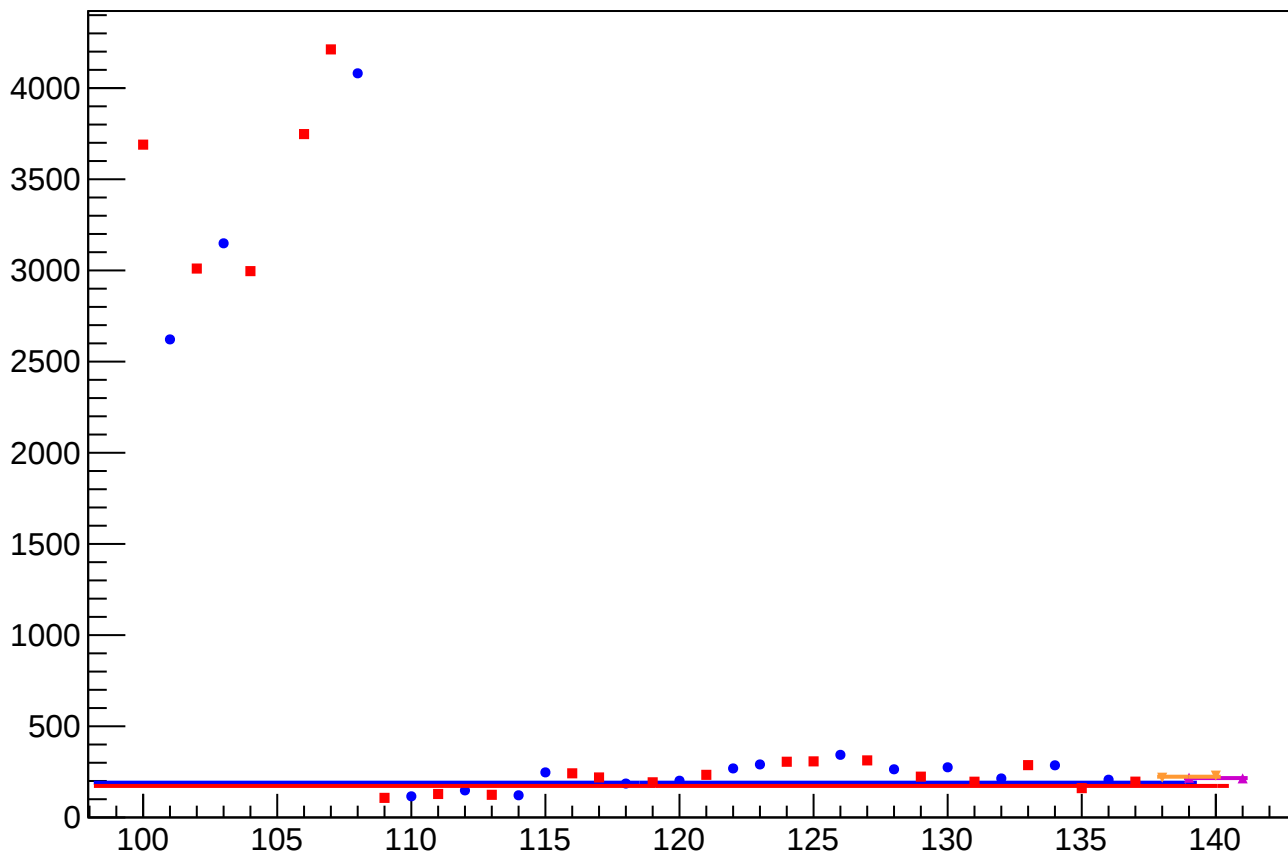
Right Out: -13.075+/-80.452 χ^2/NDF : 12.7/19

Left In: -241.082+/-174.035 χ^2/NDF : 0.7/1

77.202+/-79.407 χ^2/NDF : 12.9/18

-53.221+/-73.027 χ^2/NDF : 14.8/21

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 223.491+/-0.129 χ^2/NDF :1958.4/1

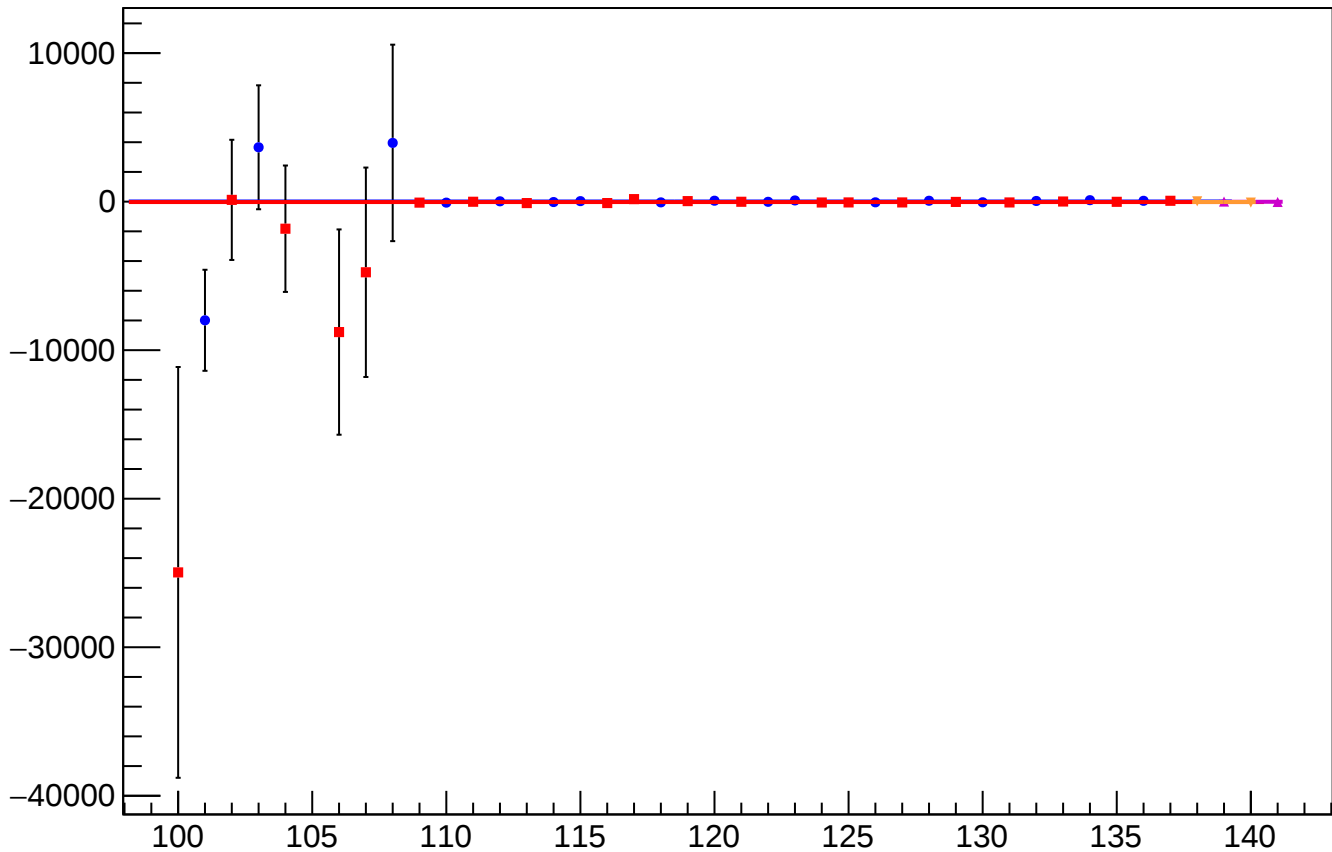
Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

Left In: 215.981+/-0.123 χ^2/NDF :213.9/1

196.938+/-0.056 χ^2/NDF : 3638943.9/18

180.485+/-0.052 χ^2/NDF : 4323702.2/21

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -23.657 $\pm$ 23.743 χ^2 /NDF: 3.1/1

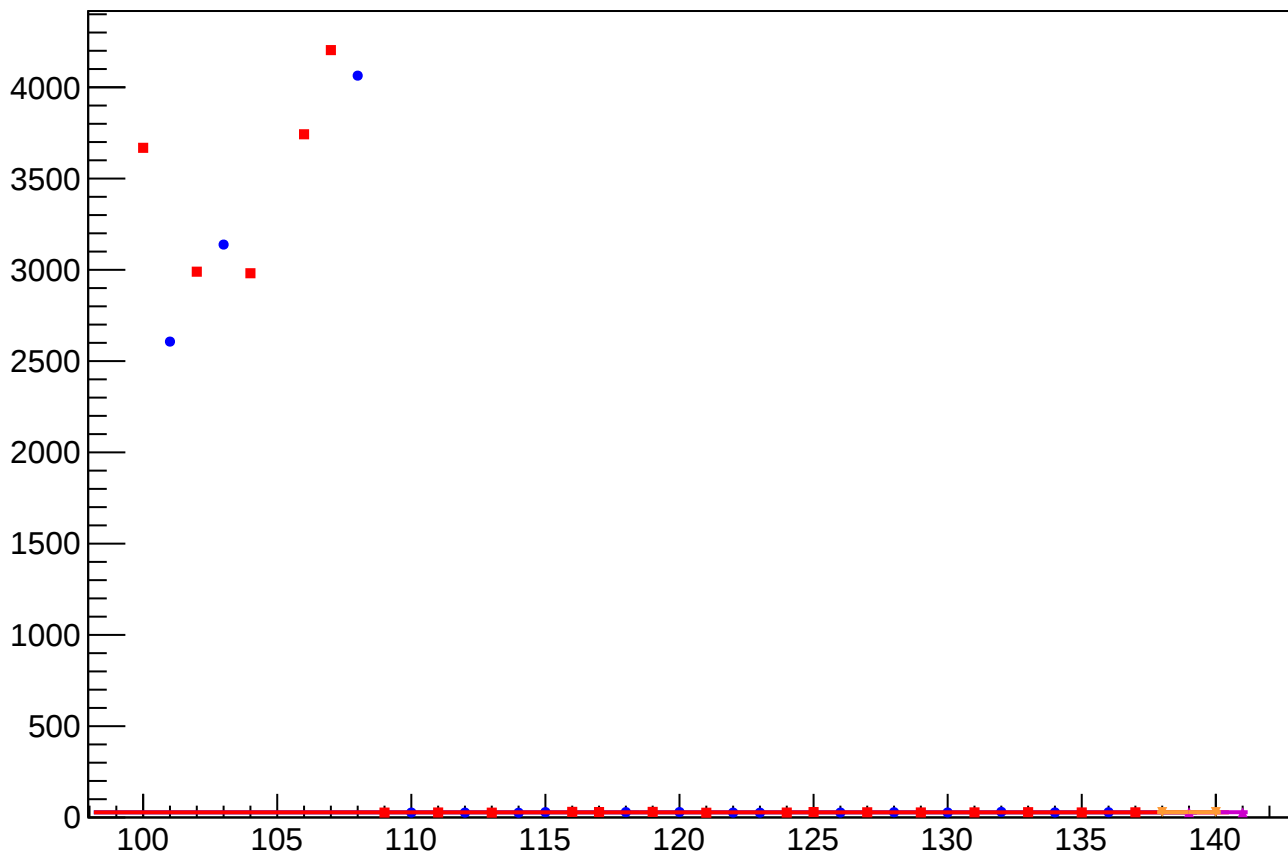
Right Out: -27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

Left In: -9.709 $\pm$ 22.942 χ^2 /NDF: 0.4/1

1.716 $\pm$ 10.969 χ^2 /NDF: 27.8/18

-23.844 $\pm$ 10.831 χ^2 /NDF: 19.7/21

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: 29.270+/-0.017 χ^2/NDF : 1.5/1

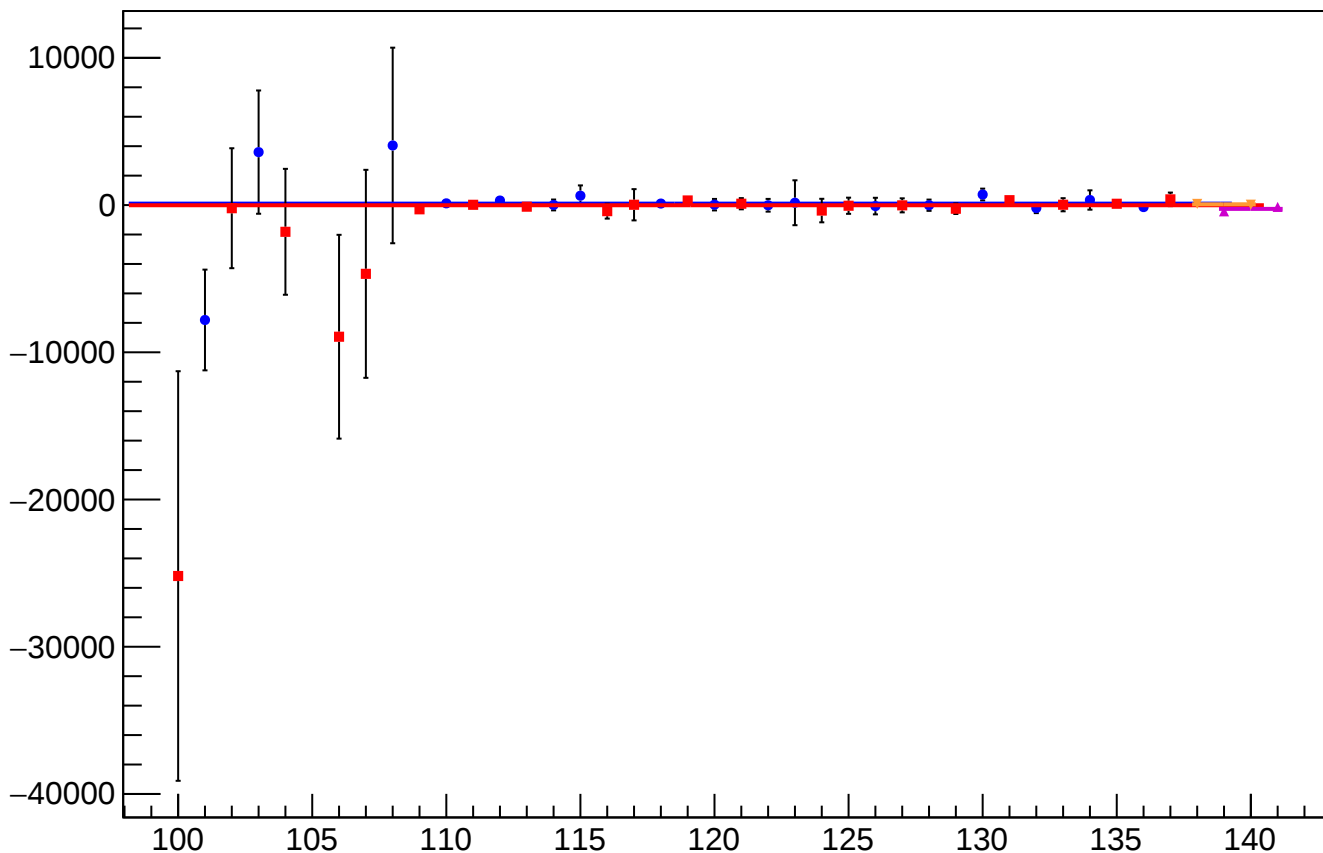
Right Out: 27.930+/-0.009 χ^2/NDF : 3479947.6/19

Left In: 28.670+/-0.016 χ^2/NDF : 747.1/1

28.306+/-0.008 χ^2/NDF : 3032095.7/18

28.095+/-0.008 χ^2/NDF : 3482310.6/21

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: 53.592+/-185.891 χ^2/NDF : 0.0/1

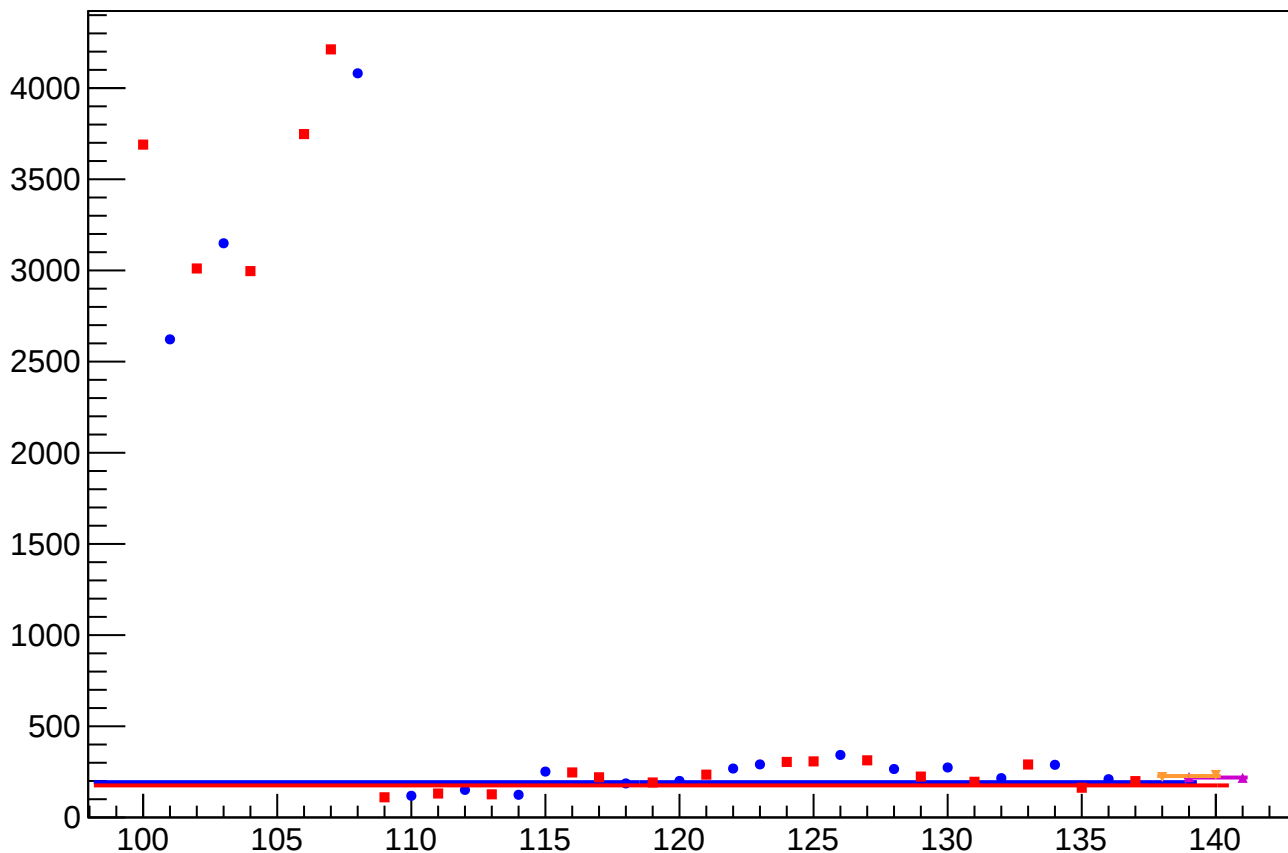
Right Out: -11.533+/-81.530 χ^2/NDF : 12.3/19

Left In: -259.203+/-176.411 χ^2/NDF : 0.7/1

89.803+/-80.423 χ^2/NDF : 12.6/18

-55.123+/-74.009 χ^2/NDF : 14.6/21

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: 227.187+/-0.131 χ^2/NDF :1823.3/1

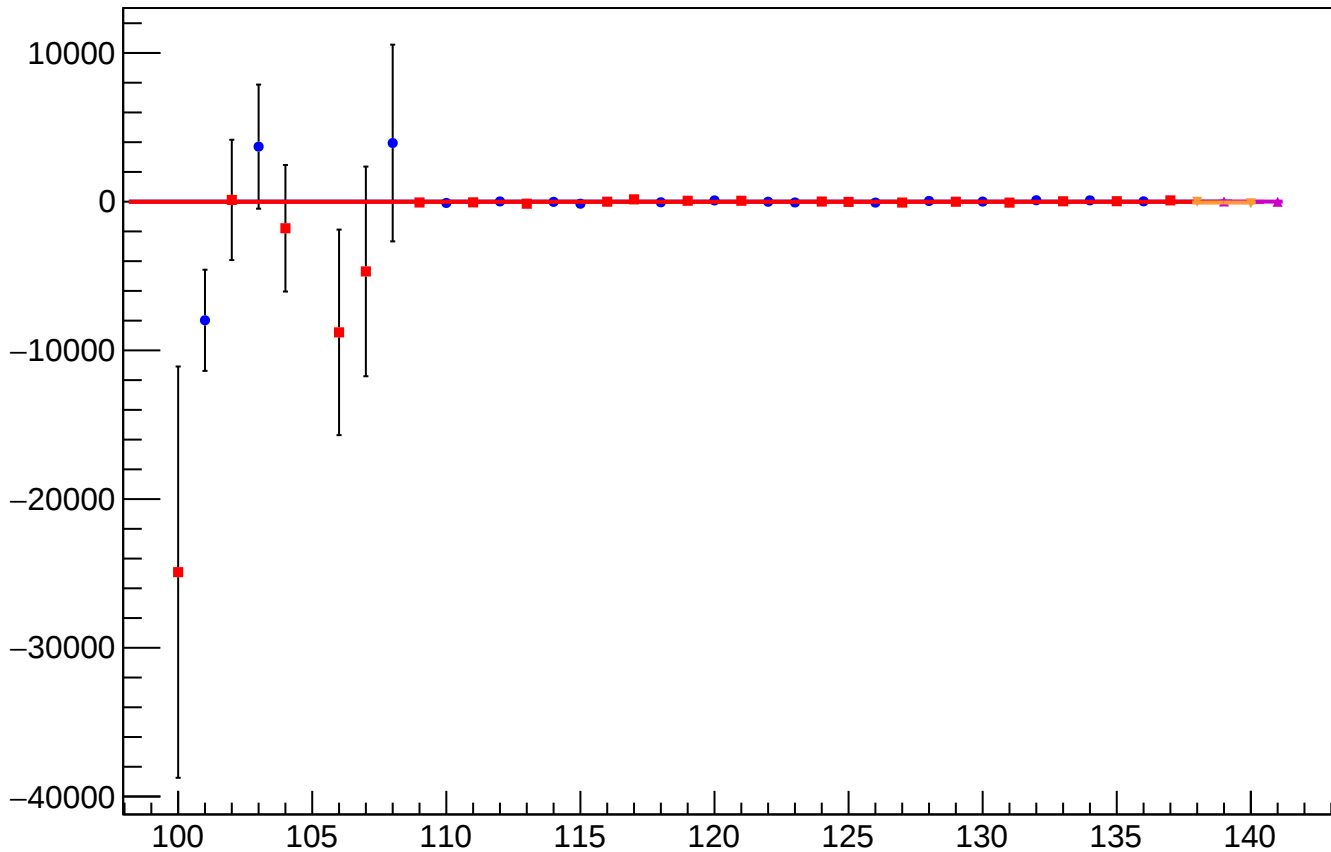
Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

Left In: 218.958+/-0.125 χ^2/NDF :210.9/1

199.819+/-0.057 χ^2/NDF : 3592106.8/18

183.374+/-0.052 χ^2/NDF : 4268083.1/21

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: -58.463 $\pm$ 28.826 χ^2 /NDF:3.0/1

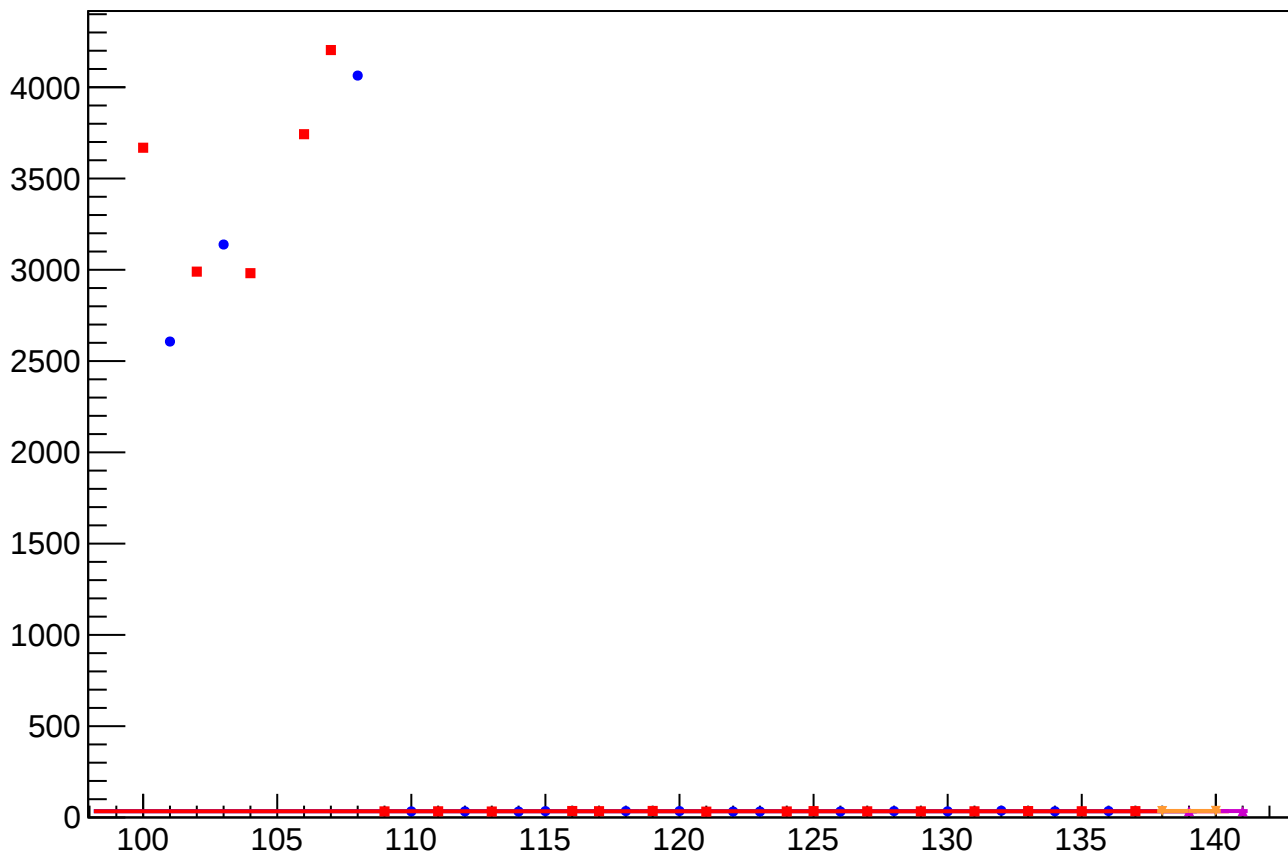
Right Out: -10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

Left In: 5.572 $\pm$ 27.991 χ^2 /NDF:0.2/1

-8.152 $\pm$ 13.342 χ^2 /NDF: 27.3/18

-7.169 $\pm$ 13.146 χ^2 /NDF: 23.4/21

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: 35.566+/-0.020 χ^2/NDF : 434.1/1

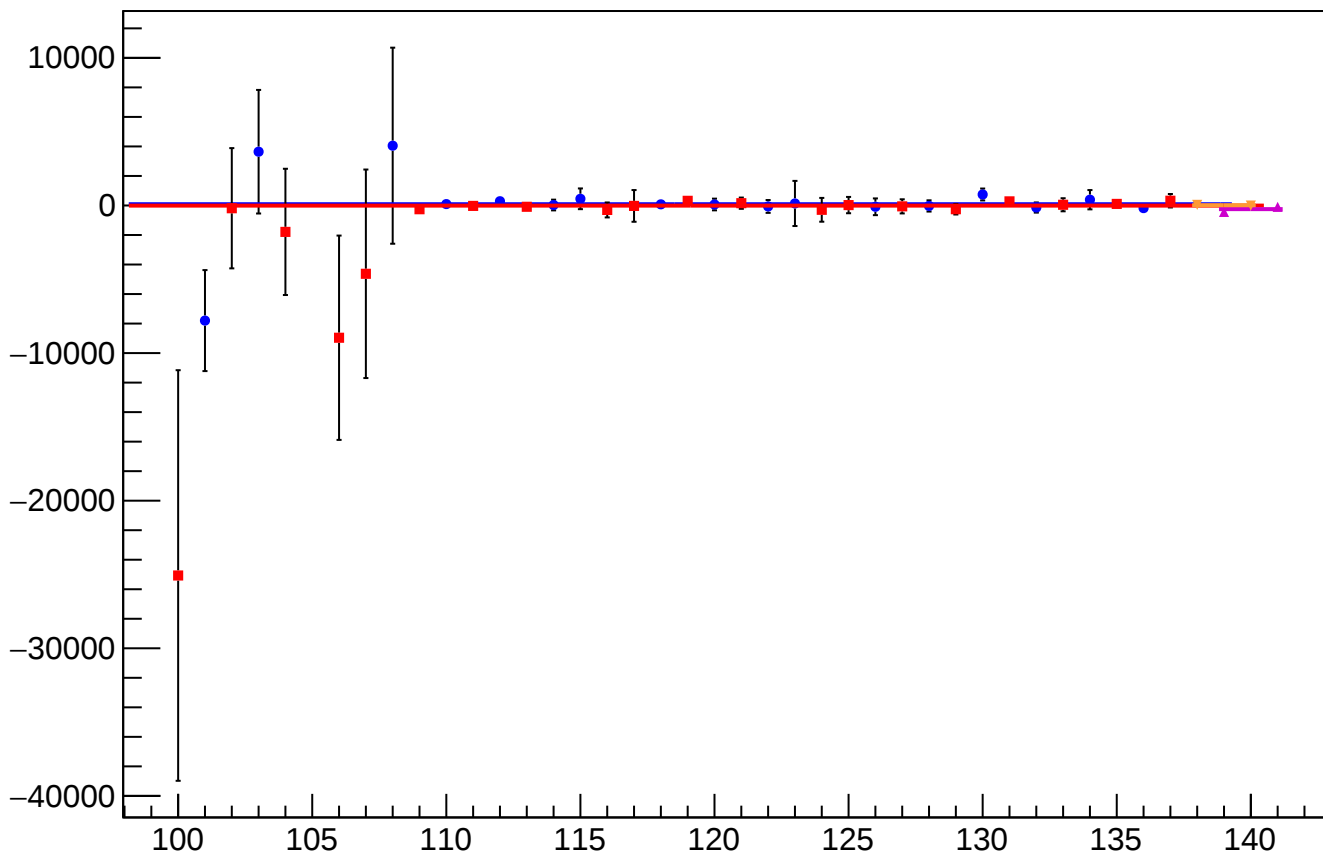
Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

Left In: 35.018+/-0.020 χ^2/NDF : 308.0/1

34.467+/-0.009 χ^2/NDF : 3010648.0/18

34.159+/-0.009 χ^2/NDF : 3454645.8/21

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: 19.223+/-183.869 χ^2/NDF : 0.0/1

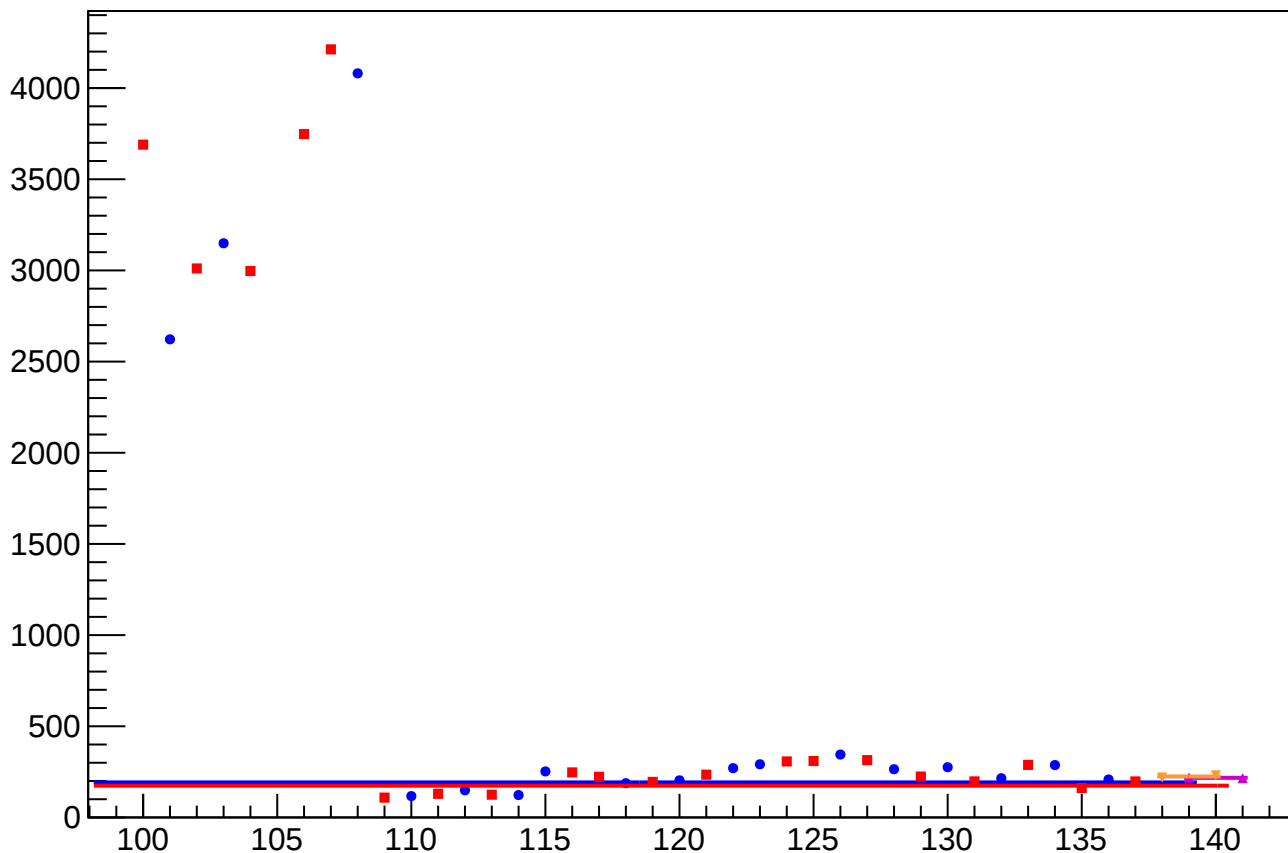
Right Out: -8.682+/-81.026 χ^2/NDF : 11.1/19

Left In: -246.790+/-175.081 χ^2/NDF : 1.0/1

72.170+/-79.924 χ^2/NDF : 12.7/18

-50.683+/-73.533 χ^2/NDF : 13.5/21

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: 224.690+/-0.130 χ^2/NDF : 2005.1/1

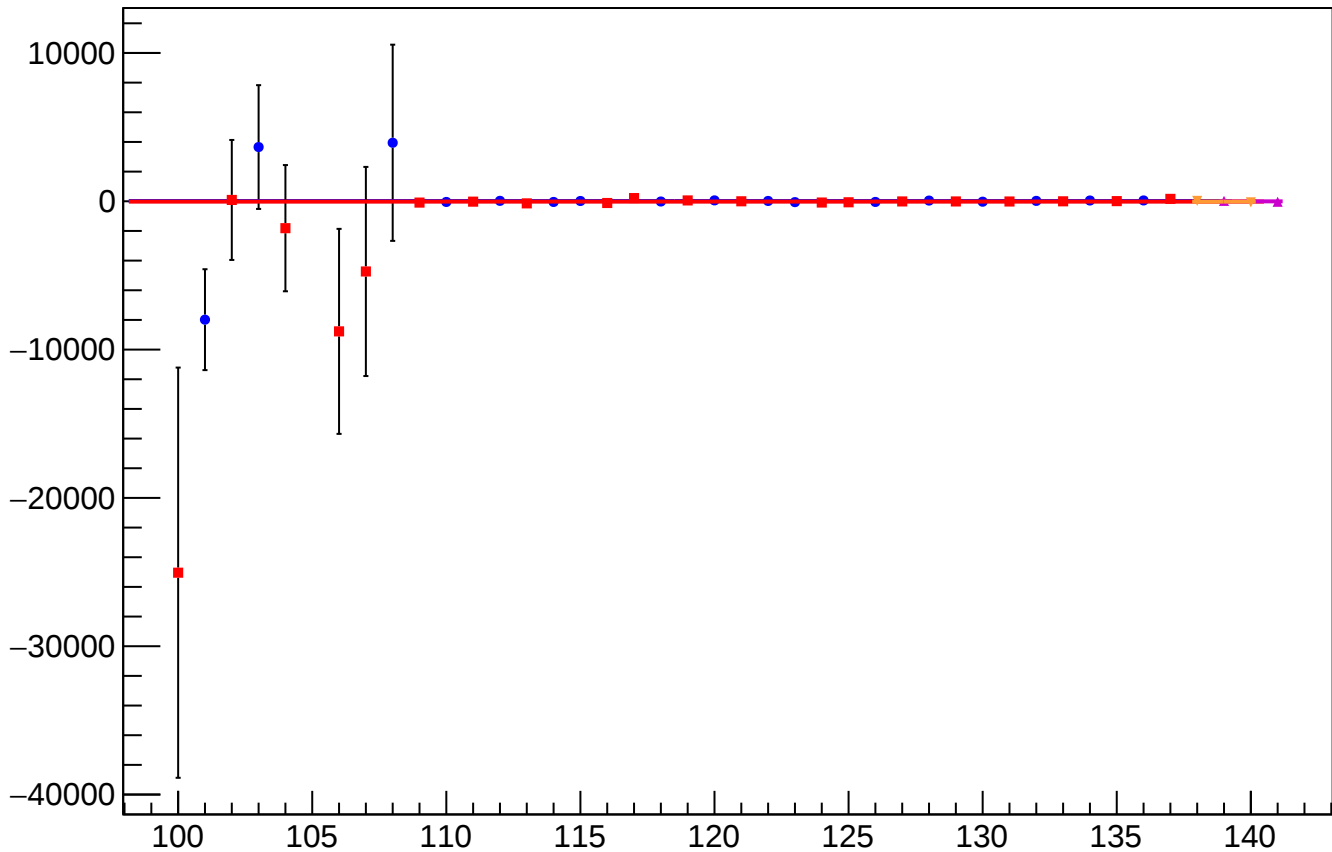
Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

Left In: 217.286+/-0.124 χ^2/NDF : 196.0/1

198.320+/-0.057 χ^2/NDF : 3627342.2/18

181.833+/-0.052 χ^2/NDF : 4315532.0/21

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: -23.521+/-25.917 χ^2/NDF : 3.6/1

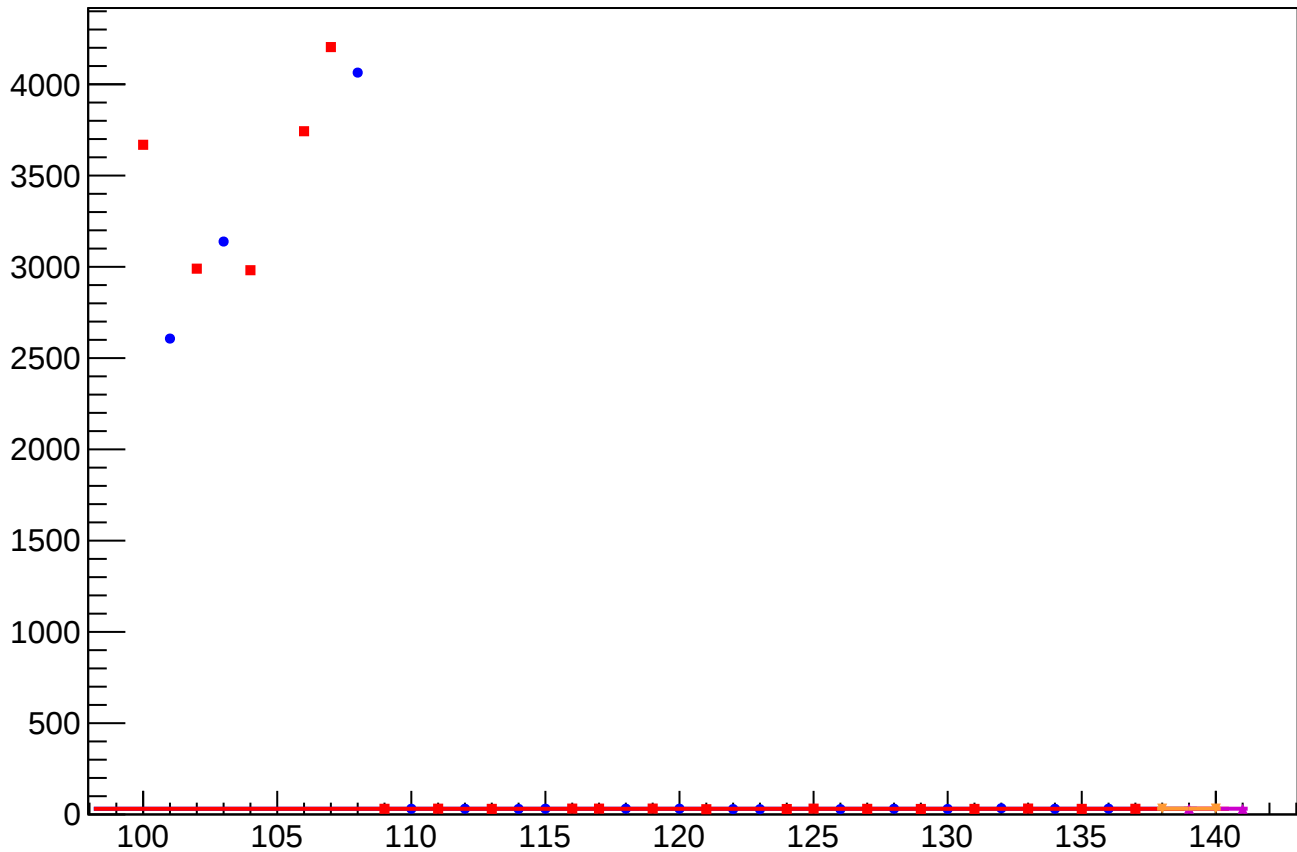
Right Out: -20.740+/-13.606 χ^2/NDF : 30.4/19

Left In: -4.990+/-25.178 χ^2/NDF : 1.4/1

4.808+/-12.128 χ^2/NDF : 19.8/18

-17.180+/-11.970 χ^2/NDF : 32.1/21

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: 31.969+/-0.018 χ^2/NDF : 41.8/1

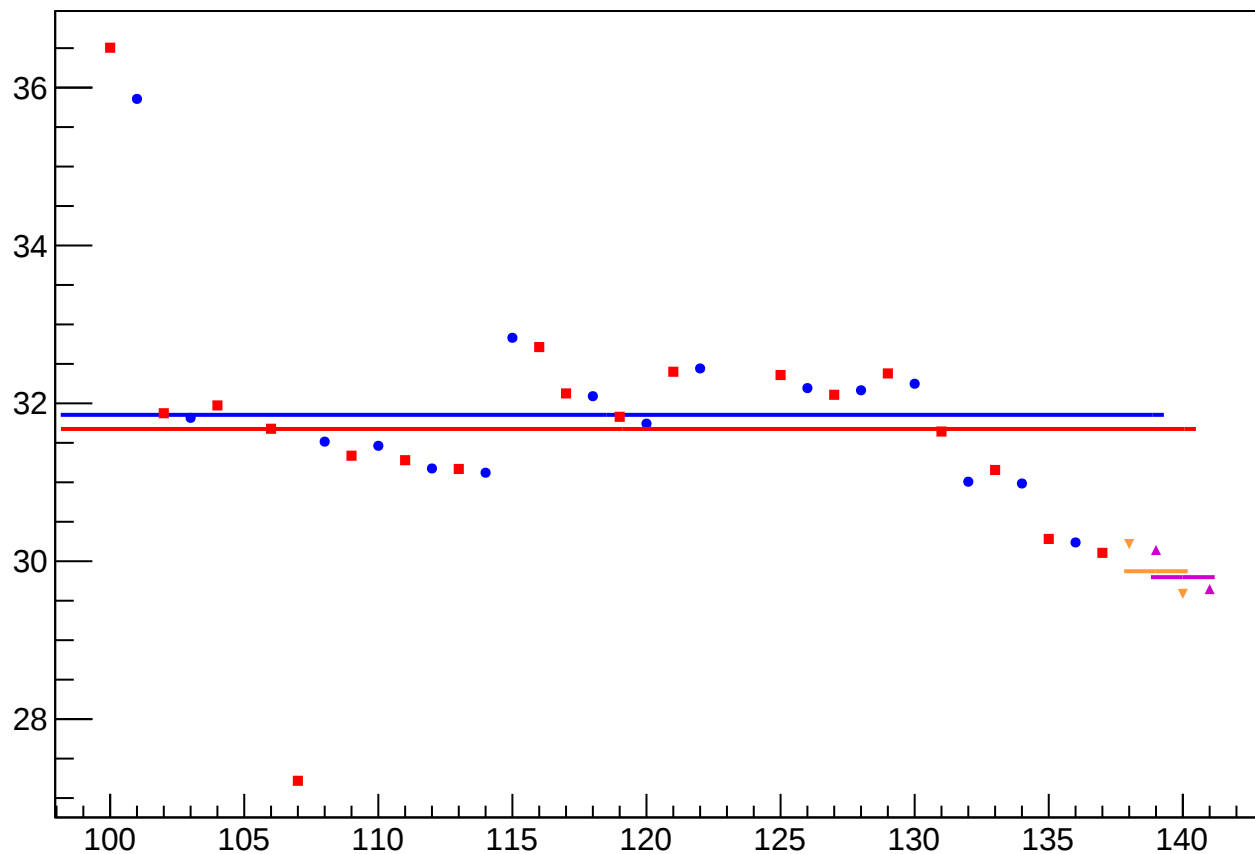
Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

Left In: 31.485+/-0.018 χ^2/NDF : 444.3/1

31.332+/-0.009 χ^2/NDF : 3016105.3/18

31.086+/-0.008 χ^2/NDF : 3460091.5/21

yield_usl_mean vs Slug



Right In: 31.855 ± 0.000 χ^2/NDF : 1570522165.5/15

Left Out: 29.873 ± 0.000 χ^2/NDF : 15812306.7/1

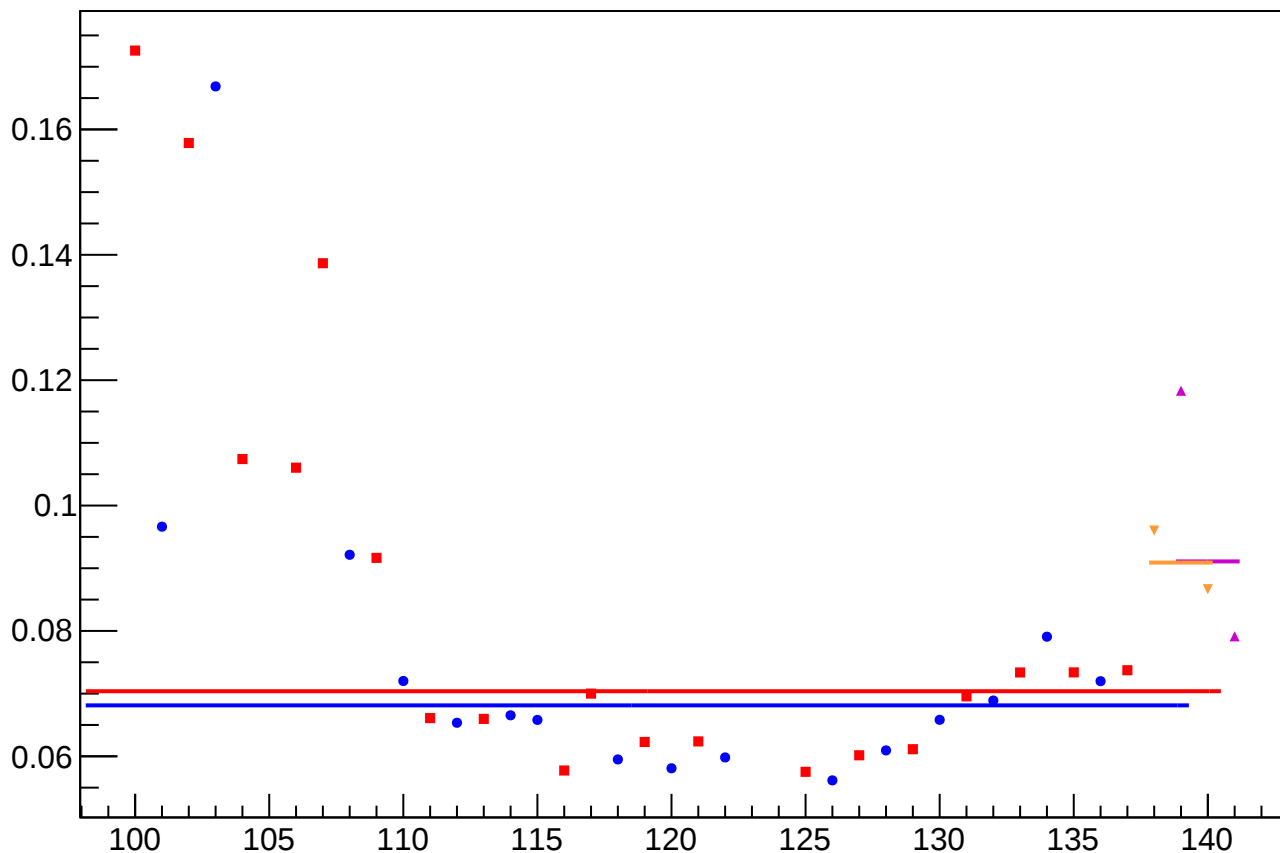
Right Out: 31.676 ± 0.000 χ^2/NDF : 919678295.7/18

Left In: 29.798 ± 0.000 χ^2/NDF : 8477200.1/1

31.628 ± 0.000 χ^2/NDF : 2144724617.0/17

31.452 ± 0.000 χ^2/NDF : 1433781619.1/20

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.091 $\pm$ 0.000 χ^2 /NDF: 6971.1/1

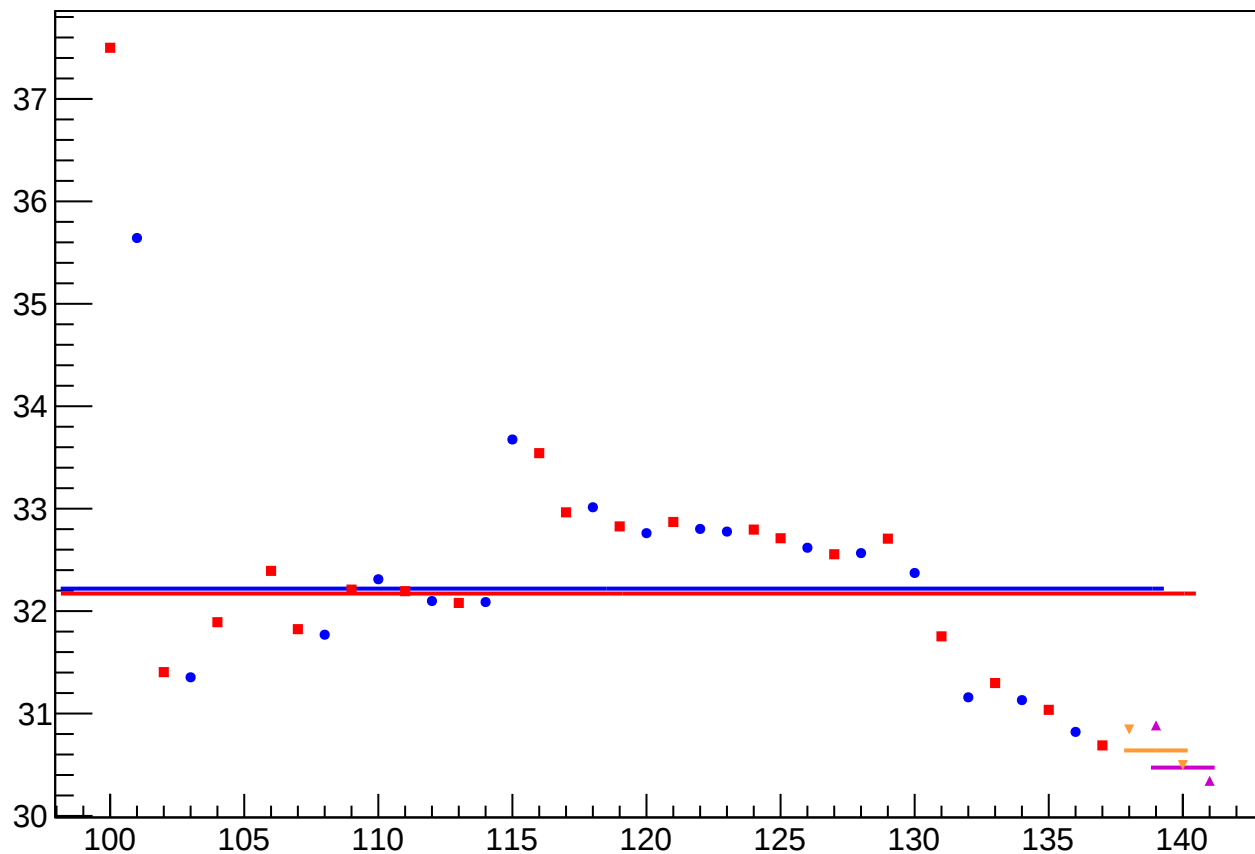
Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841322.7/18

Left In: 0.091 $\pm$ 0.000 χ^2 /NDF: 106021.7/1

0.071 $\pm$ 0.000 χ^2 /NDF: 784402.3/17

0.073 $\pm$ 0.000 χ^2 /NDF: 1070379.6/20

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 30.640+/-0.000 χ^2/NDF : 5250303.7/1

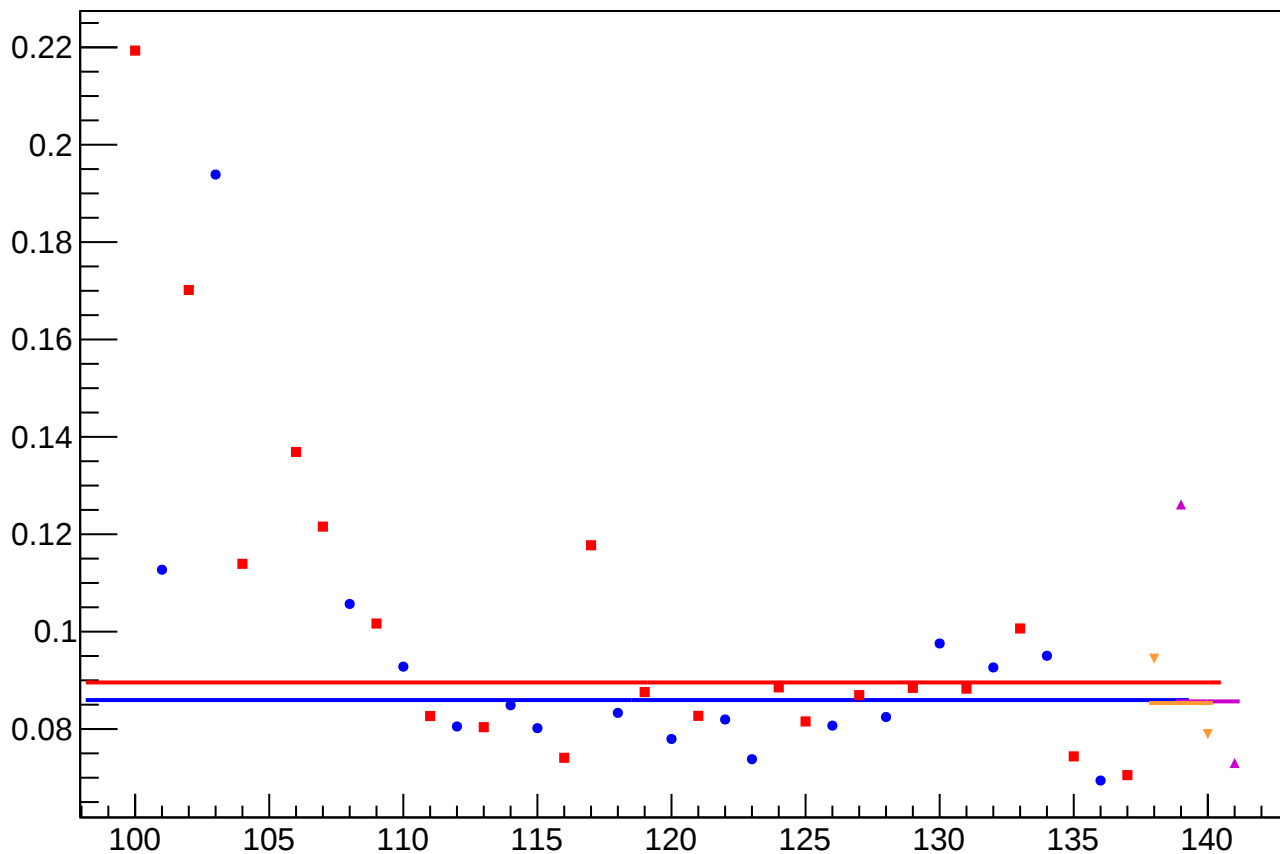
Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

Left In: 30.472+/-0.000 χ^2/NDF : 9876030.4/1

31.925+/-0.000 χ^2/NDF : 1384035272.3/18

31.841+/-0.000 χ^2/NDF : 886592864.7/21

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 553280.3/16

Left Out: 0.085 $\pm$ 0.000 χ^2 /NDF:20904.6/1

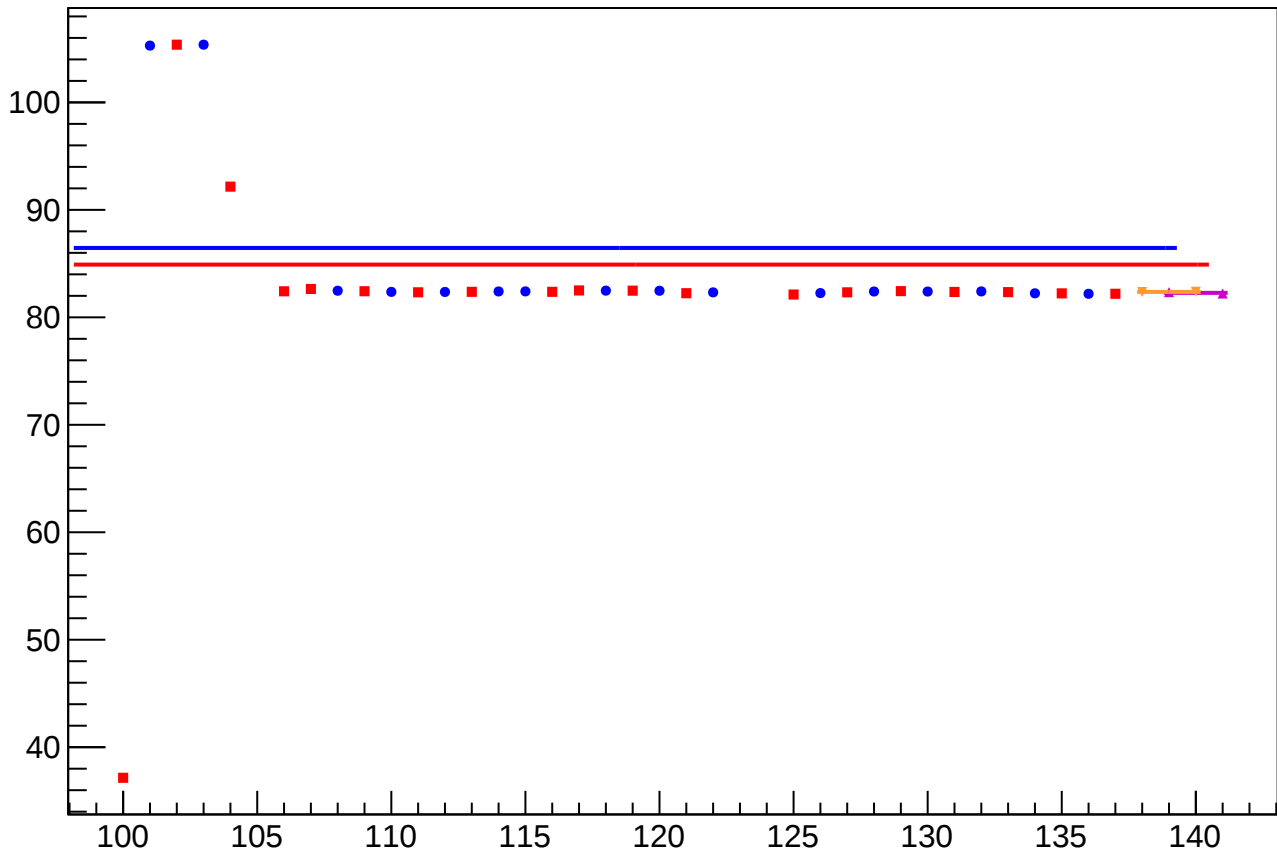
Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 544516.7/19

Left In: 0.086 $\pm$ 0.000 χ^2 /NDF:190335.0/1

0.086 $\pm$ 0.000 χ^2 /NDF: 574292.1/18

0.089 $\pm$ 0.000 χ^2 /NDF: 739392.3/21

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.366+/-0.000 χ^2/NDF : 191508.9/1

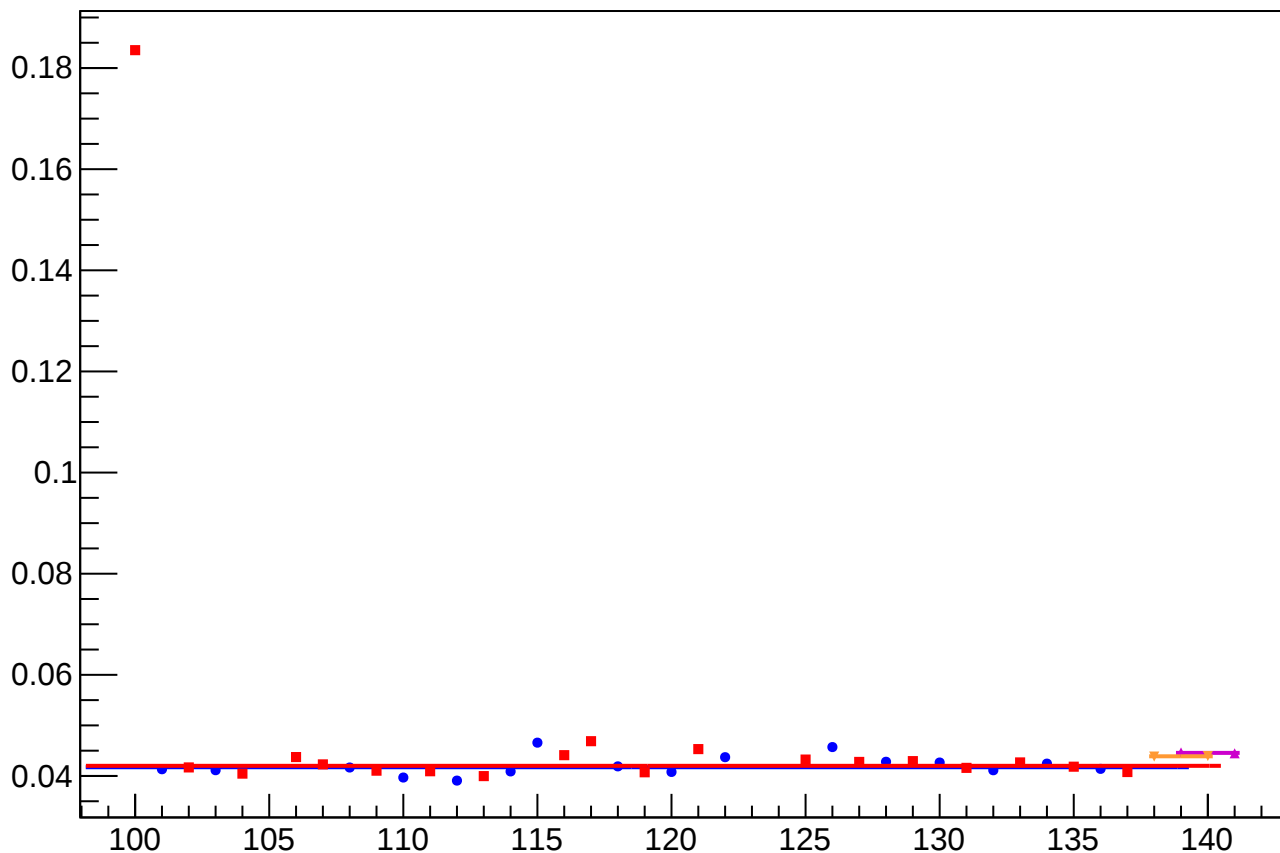
Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

Left In: 82.276+/-0.000 χ^2/NDF : 3191031.4/1

85.751+/-0.000 χ^2/NDF : 302303251359.8/17

84.472+/-0.000 χ^2/NDF : 176807824783.3/20

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 : 4.2/1

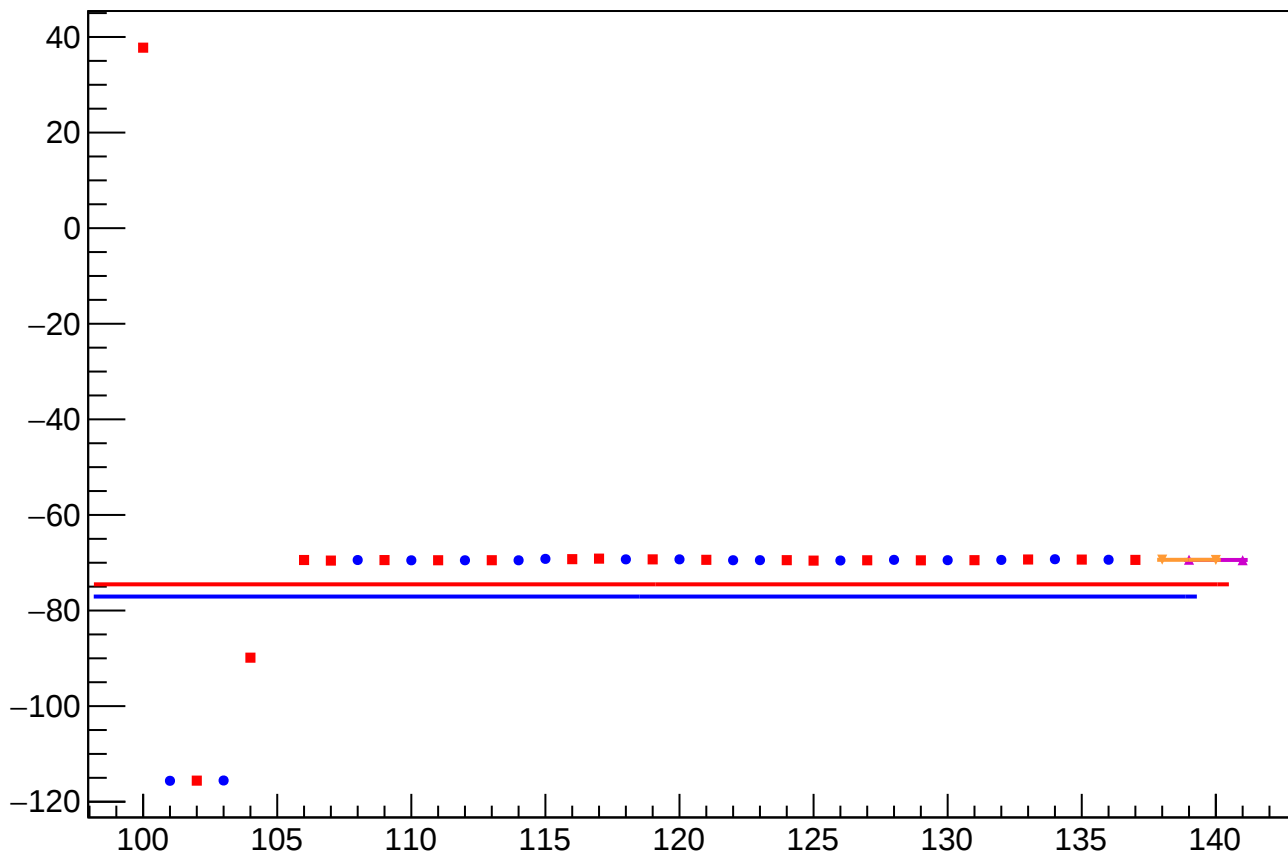
Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

Left In: 0.045+/-0.000 χ^2/NDF : 11.2/1

0.042+/-0.000 χ^2/NDF : 24962.2/17

0.042+/-0.000 χ^2/NDF : 106290.8/20

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.388+/-0.000 χ^2/NDF : 545540.8/1

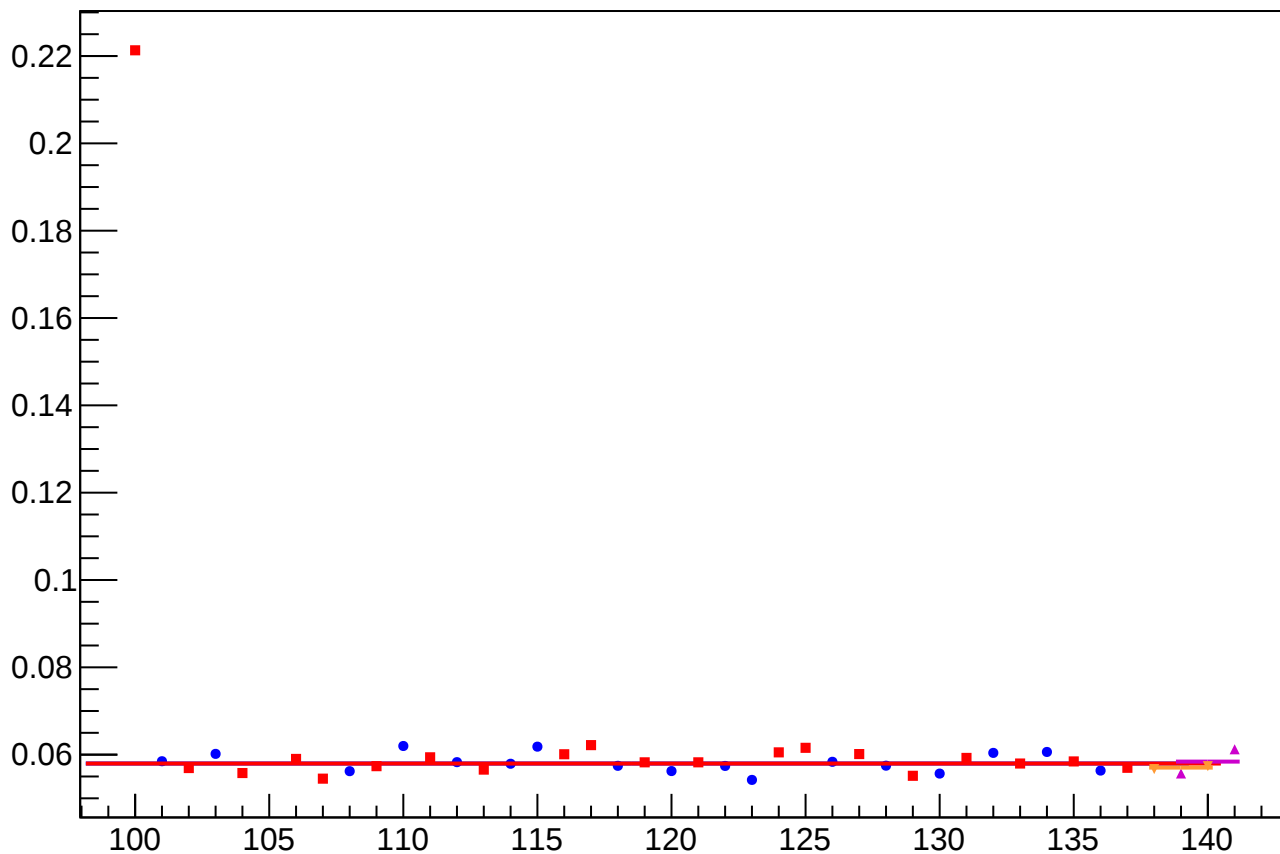
Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

Left In: -69.418+/-0.000 χ^2/NDF : 1164202.1/1

-75.598+/-0.000 χ^2/NDF : 587123701858.7/18

-73.611+/-0.000 χ^2/NDF : 381706850107.4/21

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.057+/-0.000 χ^2/NDF :101.7/1

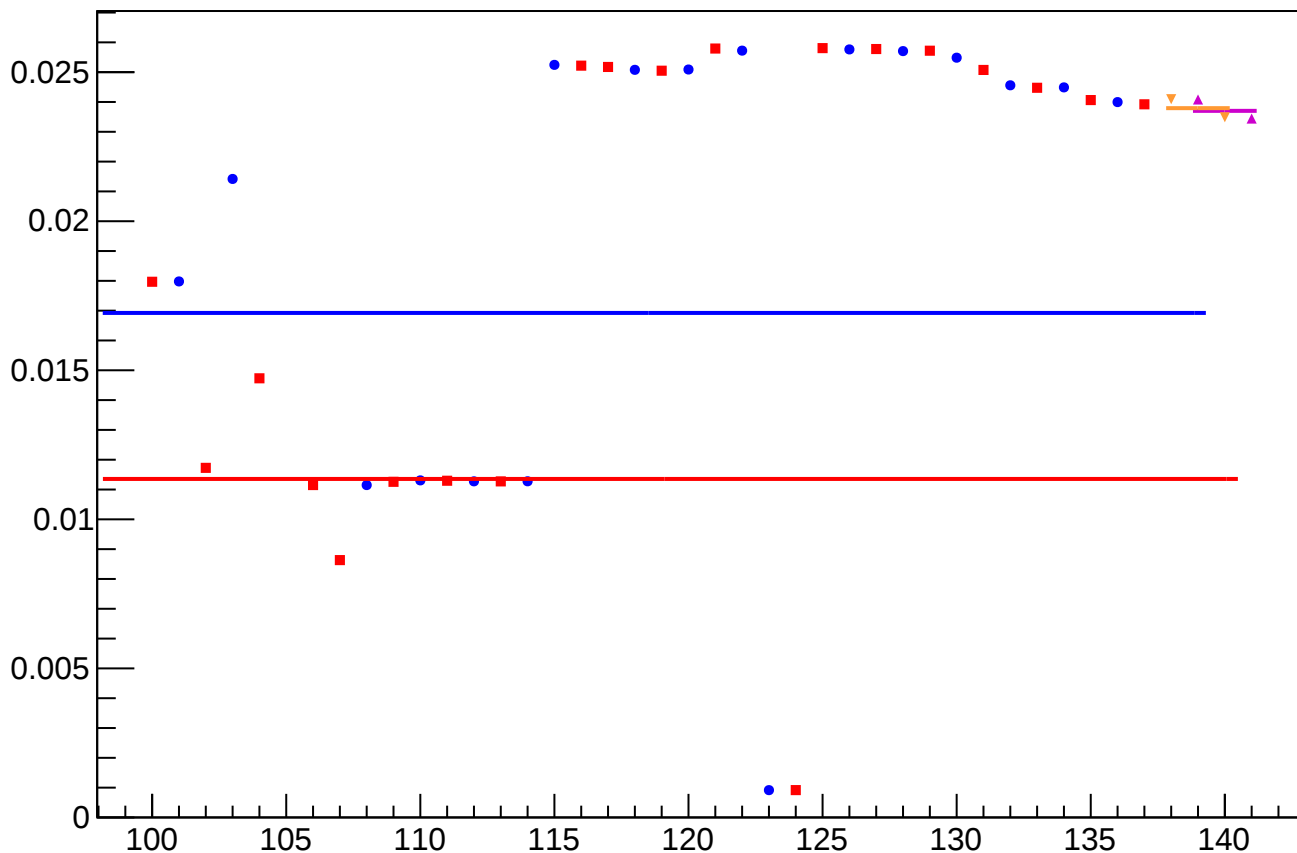
Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

Left In: 0.058+/-0.000 χ^2/NDF :6810.3/1

0.058+/-0.000 χ^2/NDF : 13017.9/18

0.058+/-0.000 χ^2/NDF : 93815.4/21

yield_atl1_mean vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 126447785006.7/16

Left Out: 0.024+/-0.000 χ^2/NDF : 21509426.1/1

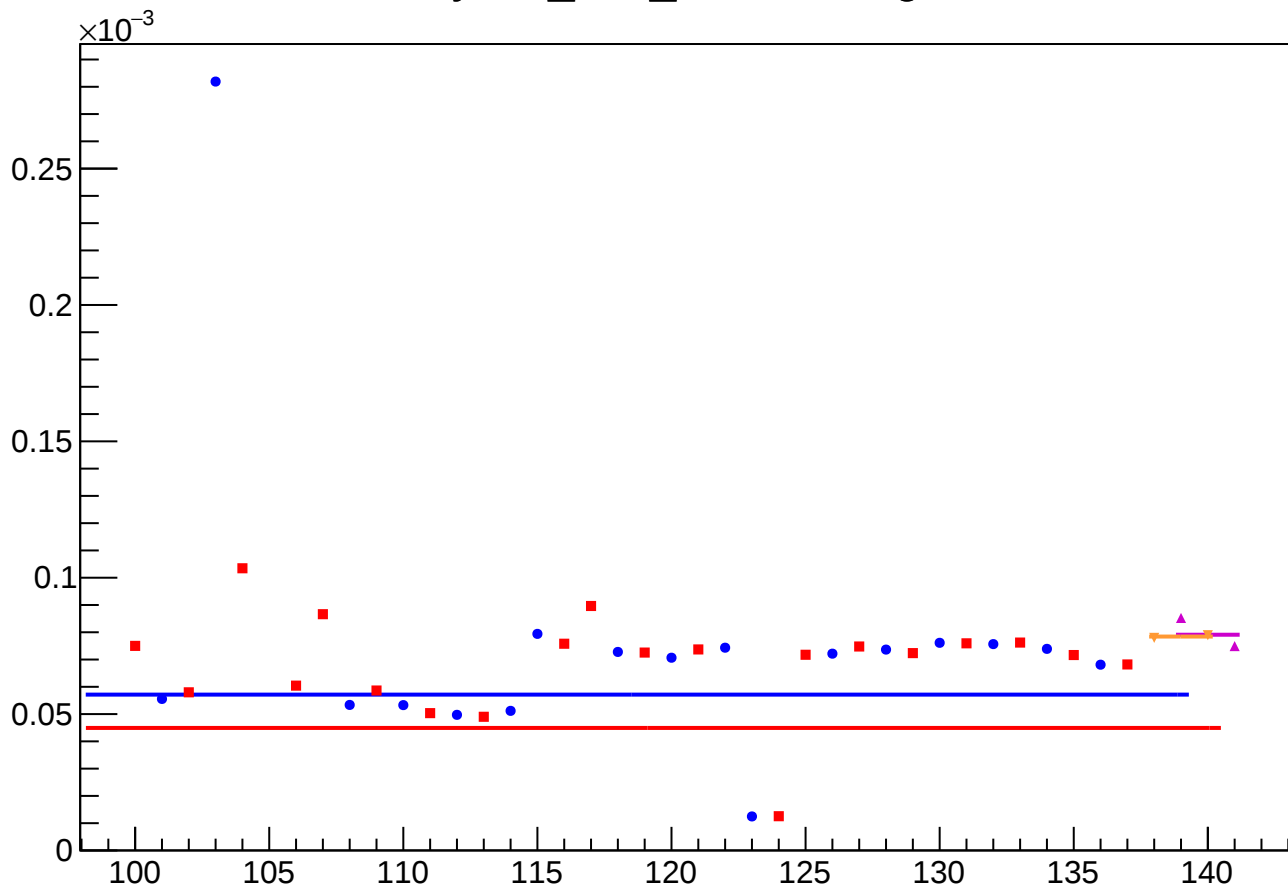
Right Out: 0.011+/-0.000 χ^2/NDF : 235754579473.9/19

Left In: 0.024+/-0.000 χ^2/NDF : 23844343.3/1

0.018+/-0.000 χ^2/NDF : 136173929391.3/18

0.012+/-0.000 χ^2/NDF : 269265294965.0/21

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 :111.5/1

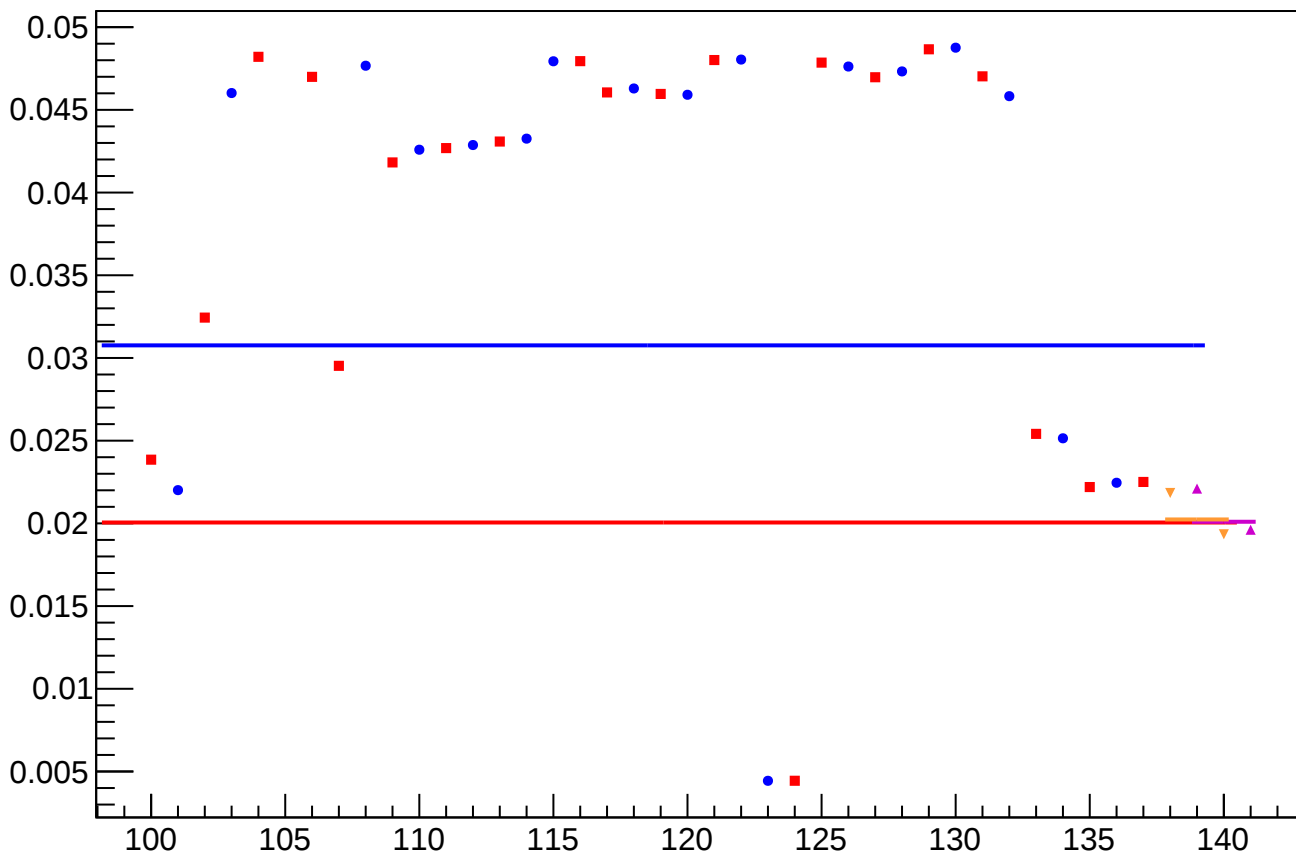
Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

Left In: 0.000+/-0.000 χ^2/NDF :12405.0/1

0.000+/-0.000 χ^2/NDF : 2187007.5/18

0.000+/-0.000 χ^2/NDF : 4138607.0/21

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.020+/-0.000 χ^2/NDF :23824851.1/1

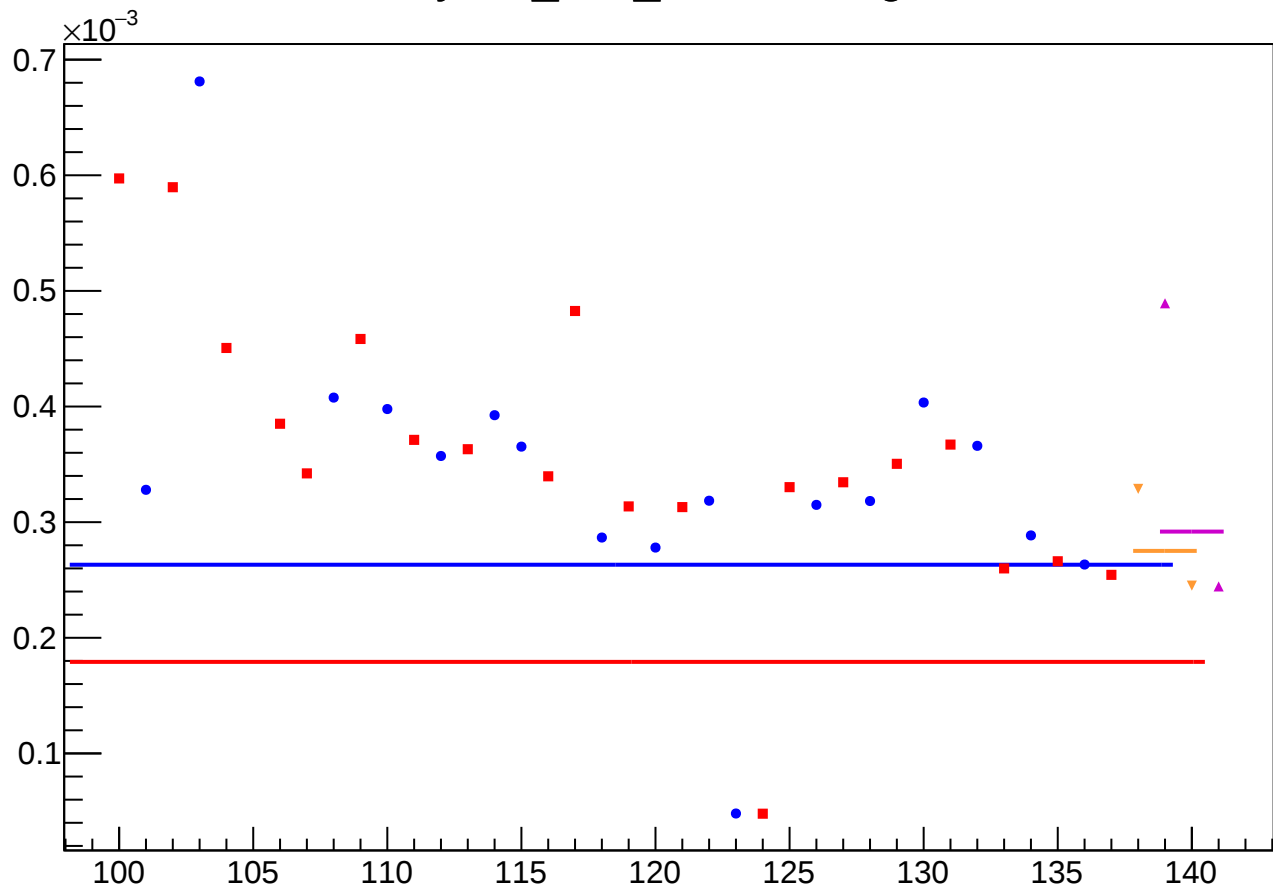
Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

Left In: 0.020+/-0.000 χ^2/NDF :14623364.8/1

0.029+/-0.000 χ^2/NDF : 22687635810.8/18

0.020+/-0.000 χ^2/NDF : 40148335307.1/21

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 : 53446.6/1

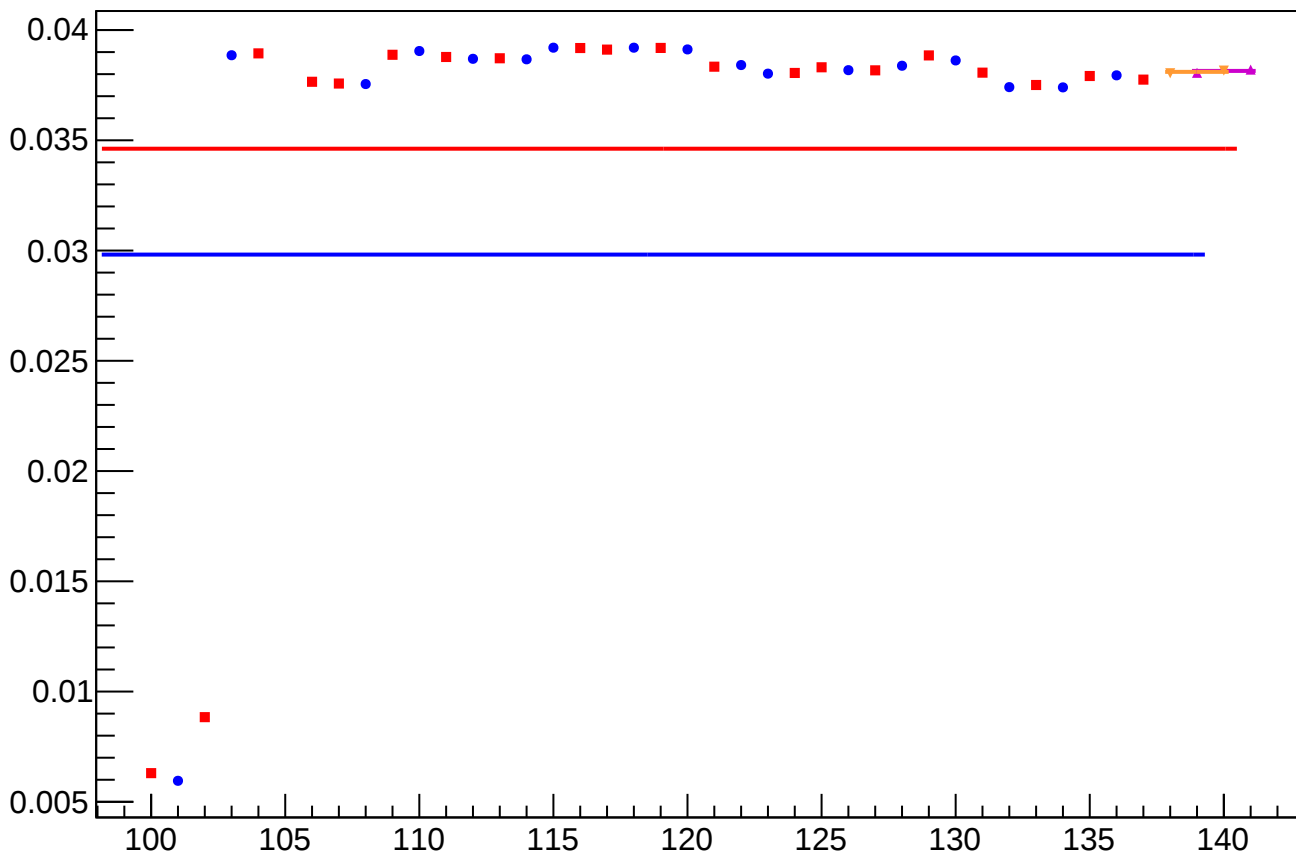
Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

Left In: 0.000+/-0.000 χ^2/NDF : 283401.6/1

0.000+/-0.000 χ^2/NDF : 2458343.6/18

0.000+/-0.000 χ^2/NDF : 5998177.9/21

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.038+/-0.000 χ^2/NDF : 253648.6/1

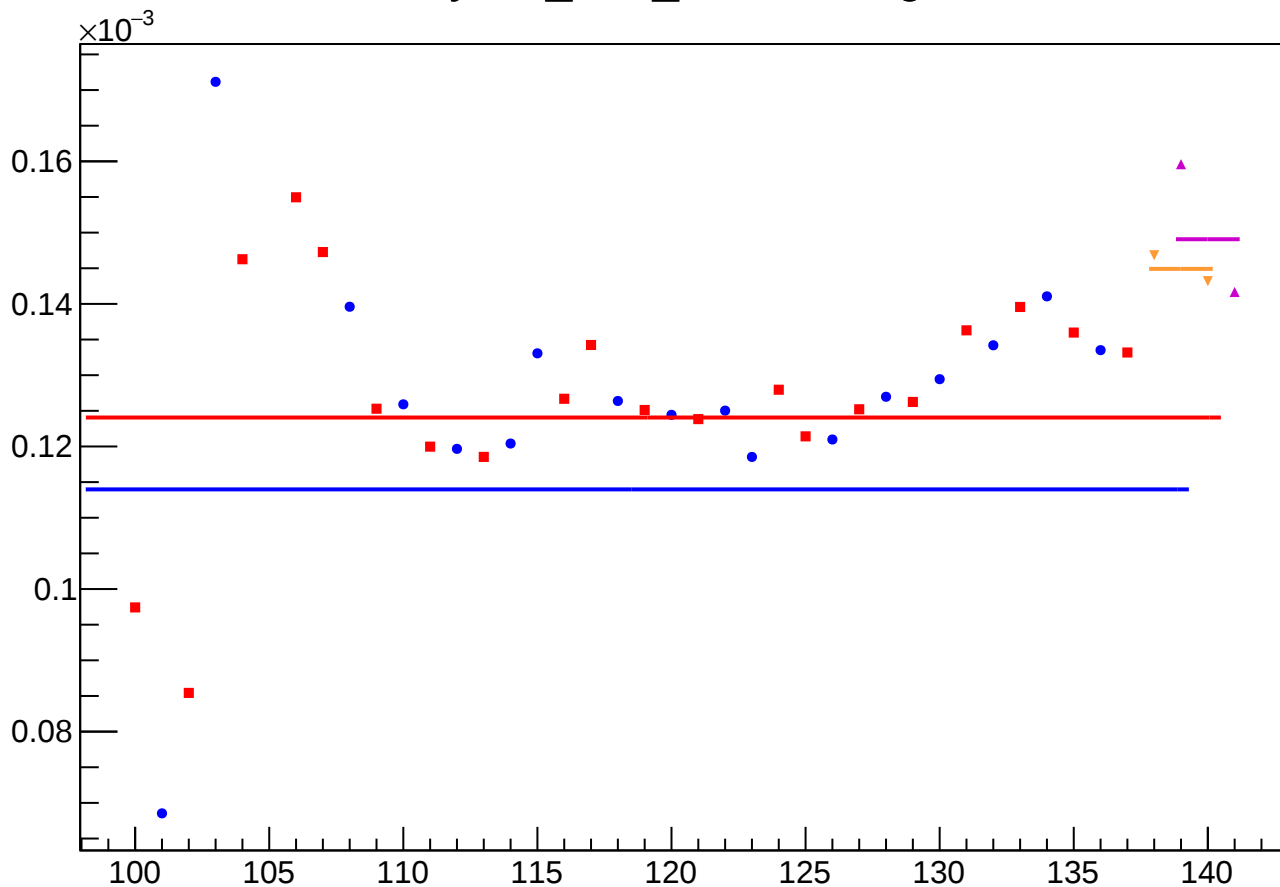
Right Out: 0.035+/-0.000 χ^2/NDF : 43717644957.2/19

Left In: 0.038+/-0.000 χ^2/NDF : 345217.6/1

0.031+/-0.000 χ^2/NDF : 101320279492.6/18

0.035+/-0.000 χ^2/NDF : 44448970627.2/21

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 : 458.8/1

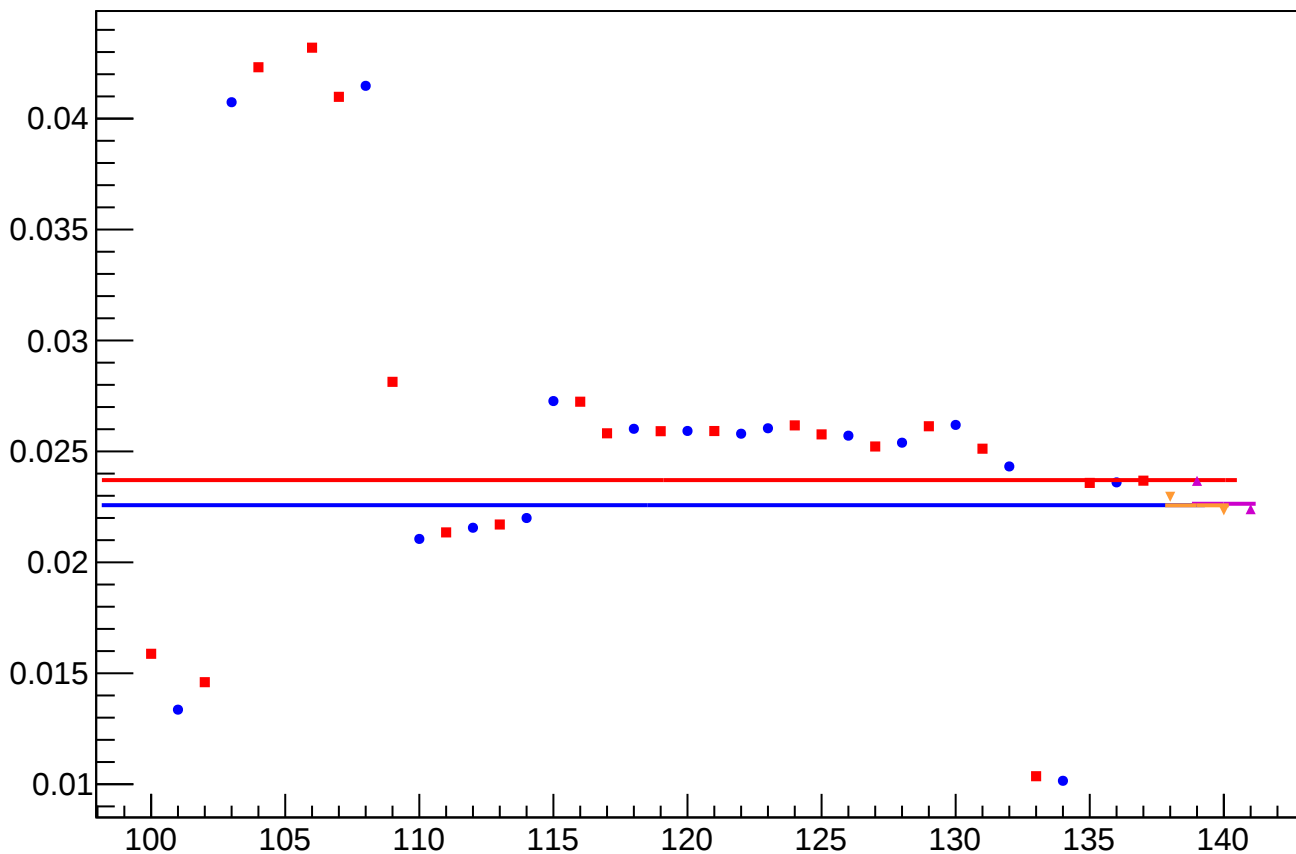
Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

Left In: 0.000+/-0.000 χ^2/NDF : 10580.0/1

0.000+/-0.000 χ^2/NDF : 911165.9/18

0.000+/-0.000 χ^2/NDF : 329715.7/21

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.023+/-0.000 χ^2/NDF : 1659947.2/1

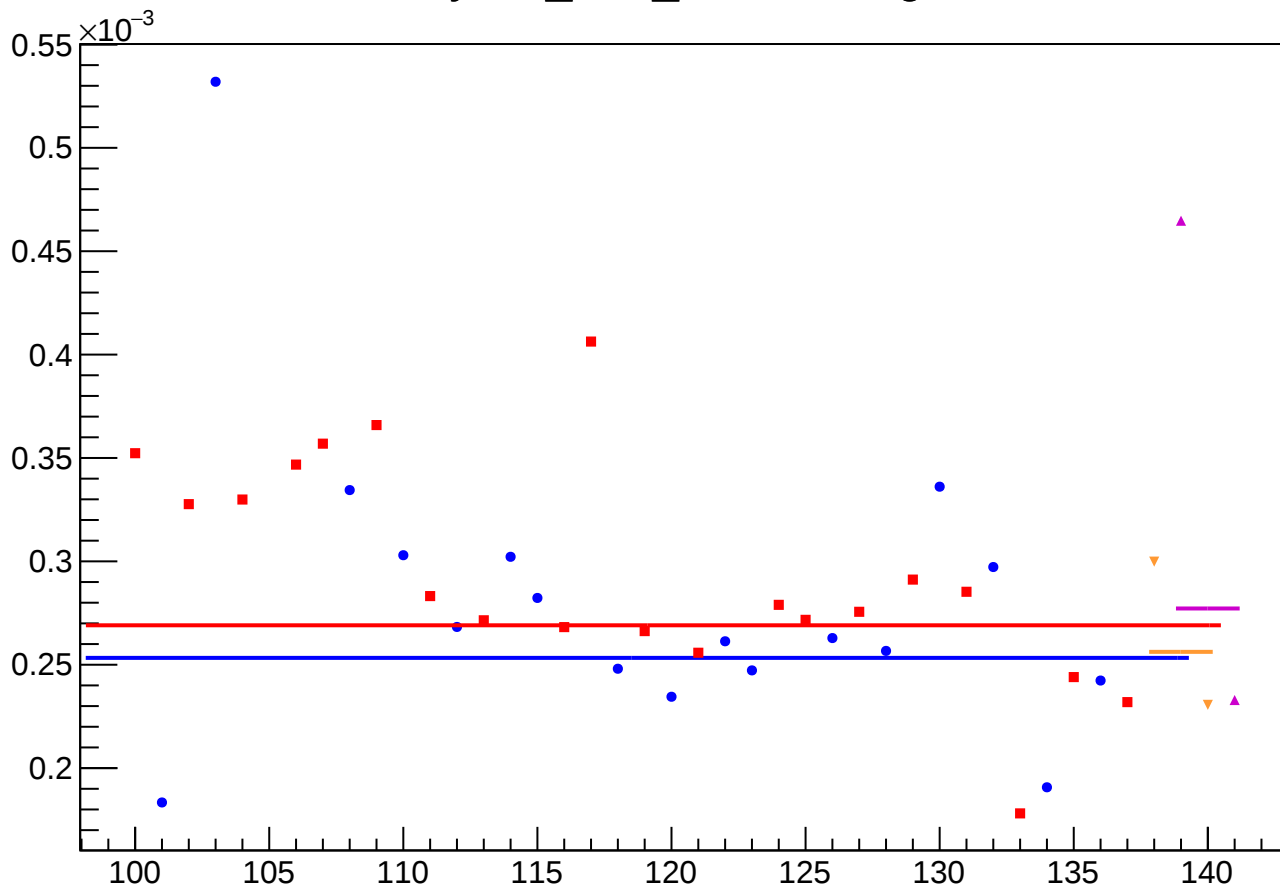
Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

Left In: 0.023+/-0.000 χ^2/NDF : 4283442.5/1

0.023+/-0.000 χ^2/NDF : 4249435335.2/18

0.024+/-0.000 χ^2/NDF : 5672923166.1/21

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 : 42569.5/1

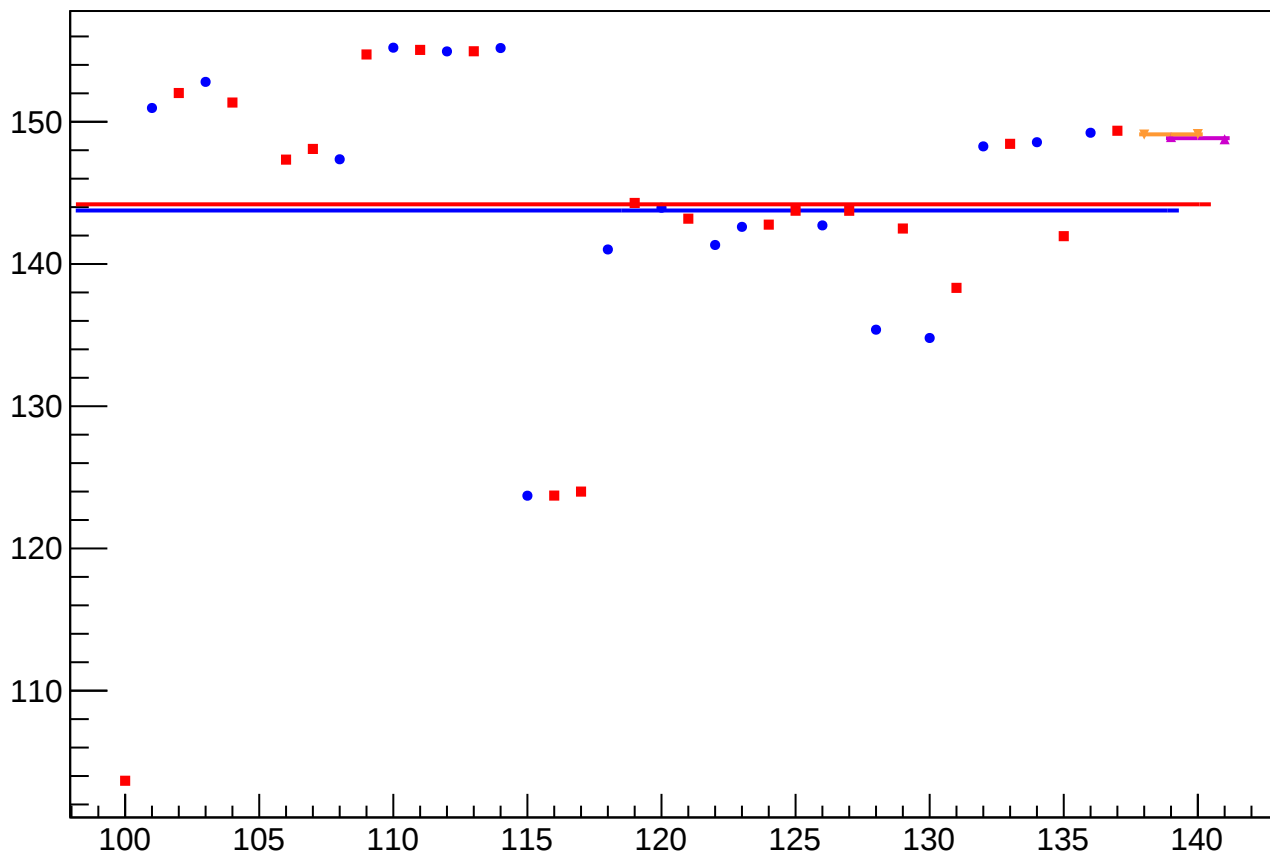
Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

Left In: 0.000+/-0.000 χ^2/NDF : 282247.3/1

0.000+/-0.000 χ^2/NDF : 671995.2/18

0.000+/-0.000 χ^2/NDF : 721832.9/21

yield_bcm_an_ds_mean vs Slug



Right In: 143.763+/-0.000 χ^2/NDF : 3534699505.1/16

Left Out: 149.116+/-0.000 χ^2/NDF : 4817.8/1

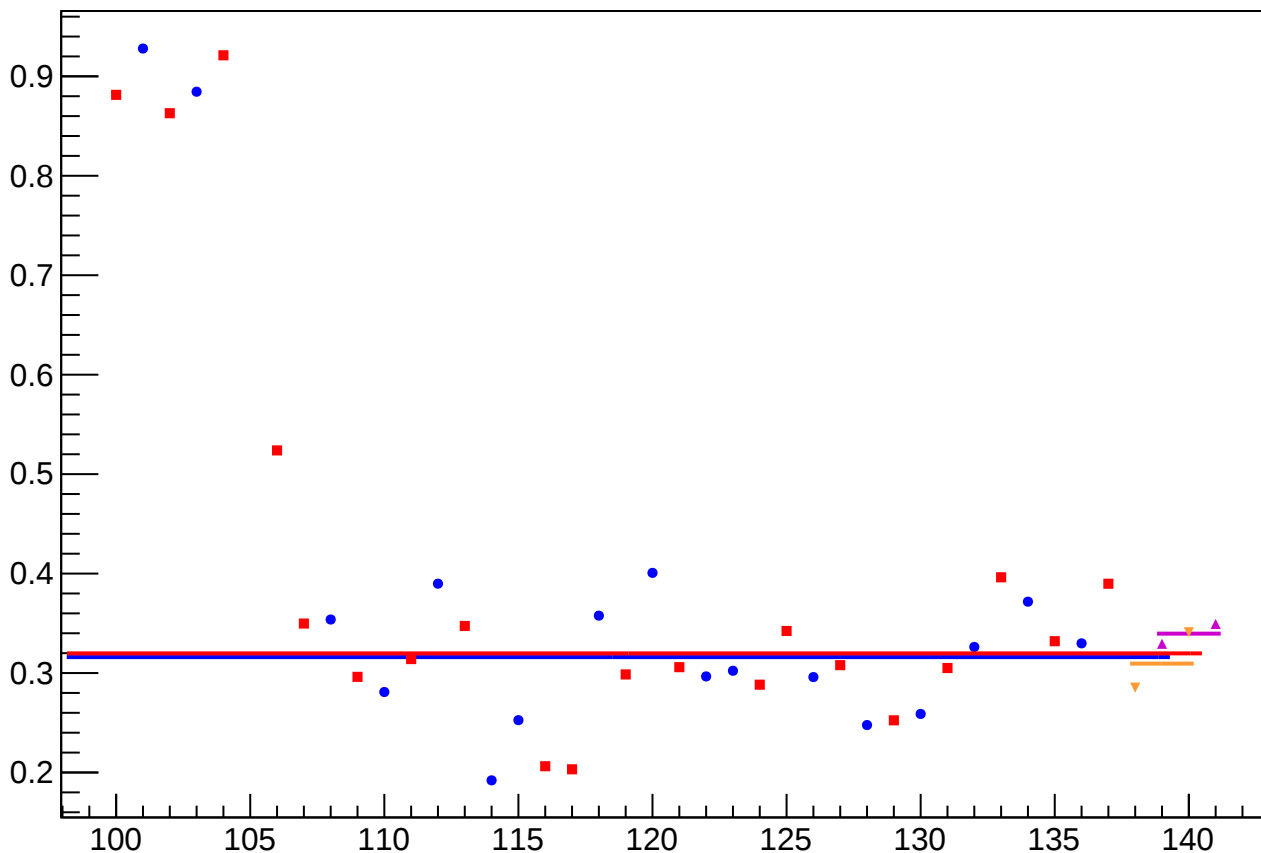
Right Out: 144.197+/-0.000 χ^2/NDF : 4523139755.0/19

Left In: 148.847+/-0.000 χ^2/NDF : 79816.1/1

144.927+/-0.000 χ^2/NDF : 3881393186.6/18

145.065+/-0.000 χ^2/NDF : 4755442015.6/21

yield_bcm_an_ds_rms vs Slug



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.309+/-0.000 χ^2/NDF : 23581.8/1

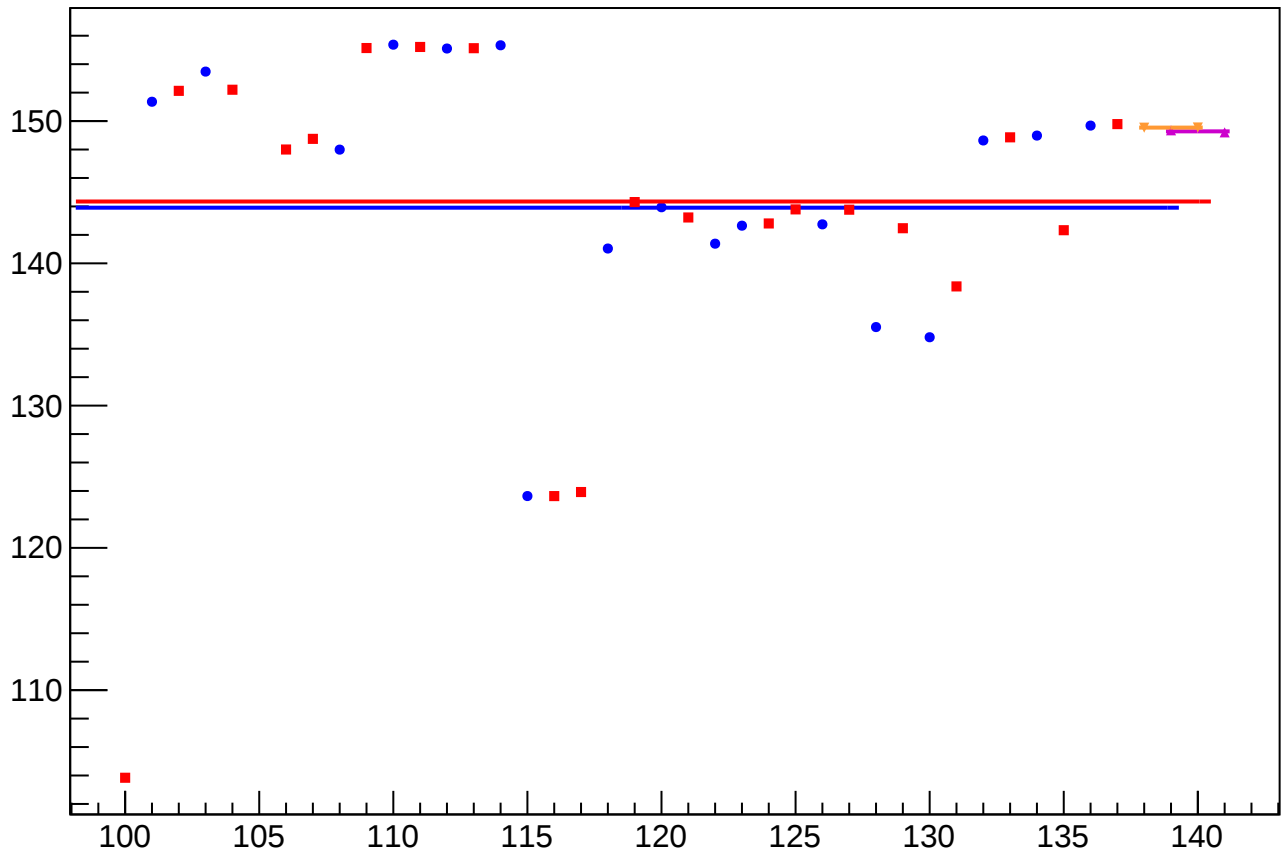
Right Out: 0.320+/-0.000 χ^2/NDF : 1241752.3/19

Left In: 0.340+/-0.000 χ^2/NDF : 2617.8/1

0.315+/-0.000 χ^2/NDF : 1290543.4/18

0.323+/-0.000 χ^2/NDF : 1252829.4/21

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912+/-0.000 χ^2/NDF : 3587769790.2/16

Left Out: 149.541+/-0.000 χ^2/NDF : 677.7/1

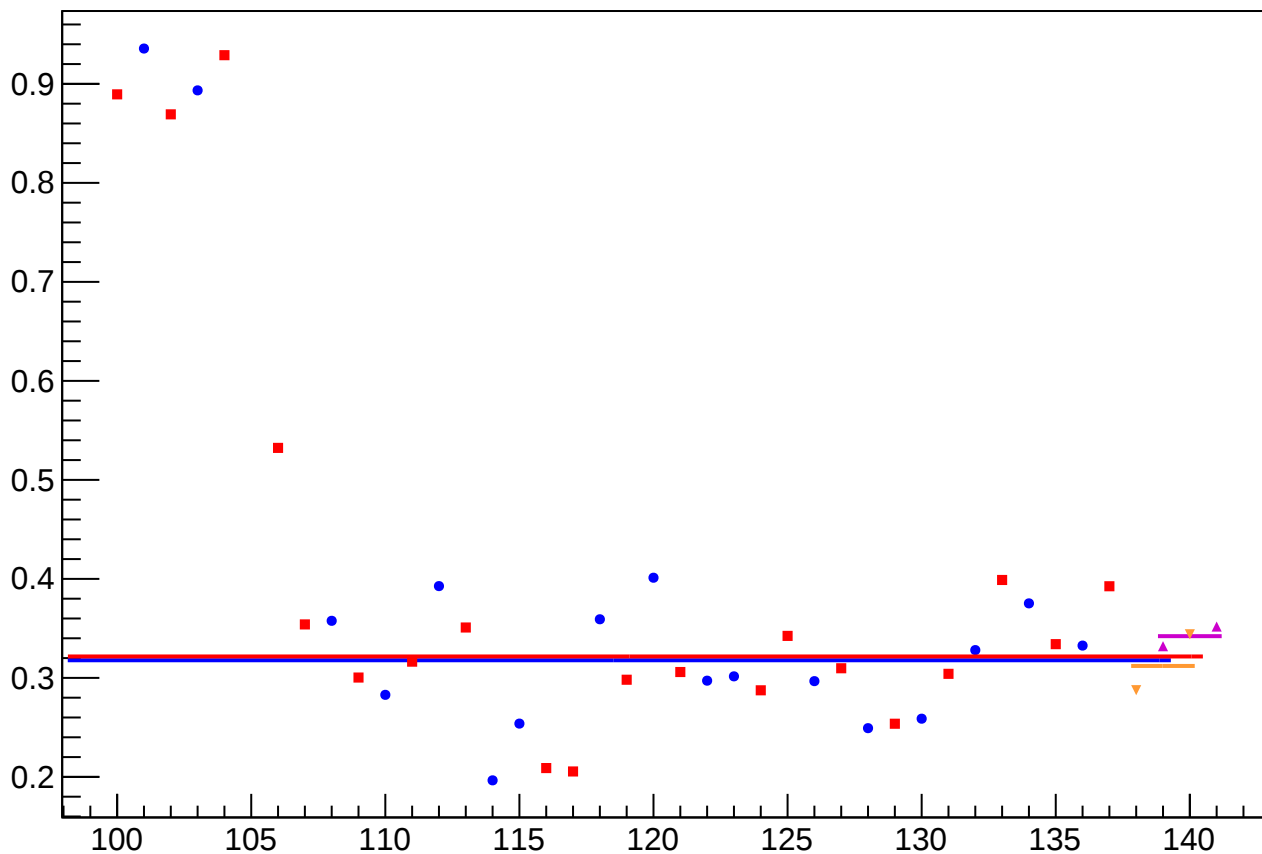
145.131+/-0.000 χ^2/NDF : 3965206145.7/18

Right Out: 144.347+/-0.000 χ^2/NDF : 4550581147.9/19

145.265+/-0.000 χ^2/NDF : 4807973091.6/21

Left In: 149.277+/-0.000 χ^2/NDF : 68099.9/1

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.312 $\pm$ 0.000 χ^2 /NDF:23810.0/1

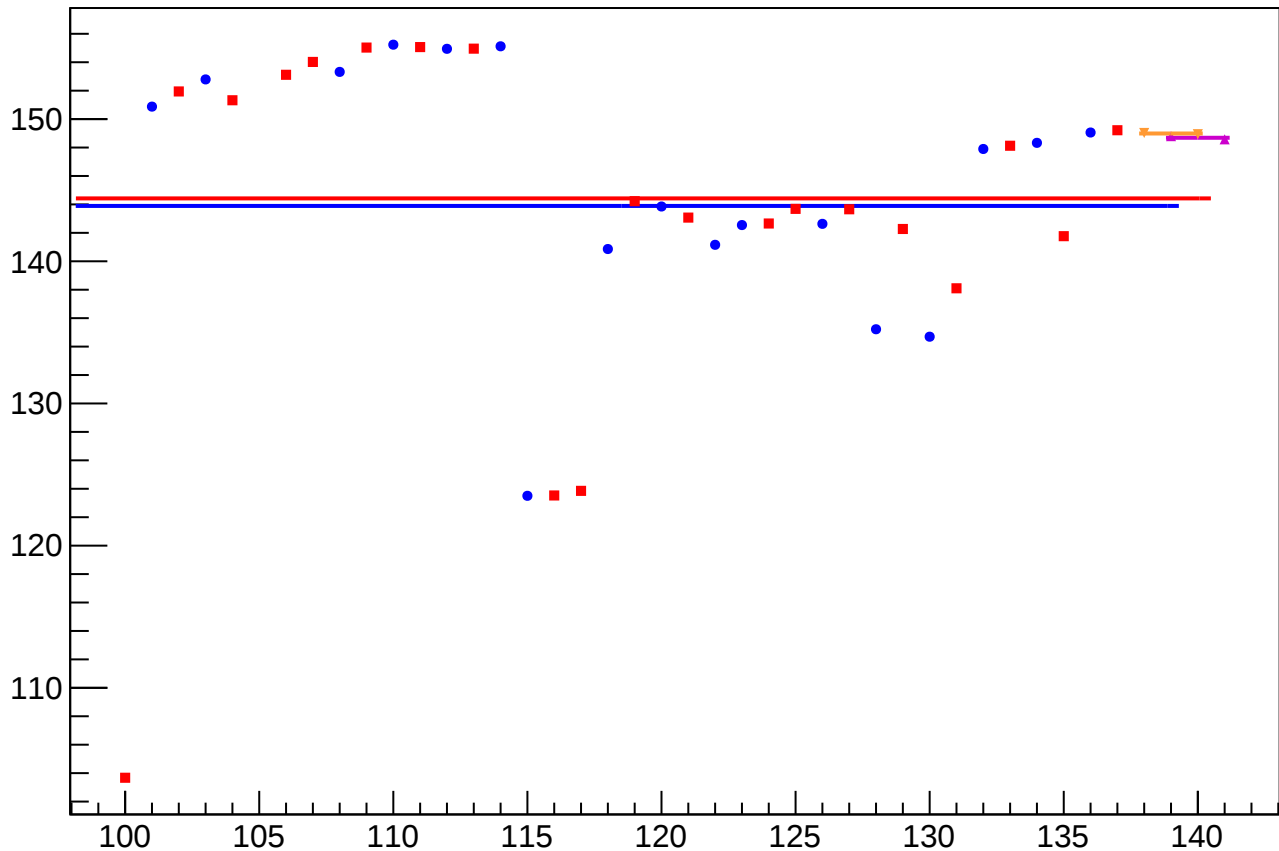
Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1244304.0/19

Left In: 0.342 $\pm$ 0.000 χ^2 /NDF:2563.7/1

0.317 $\pm$ 0.000 χ^2 /NDF: 1292854.5/18

0.325 $\pm$ 0.000 χ^2 /NDF: 1255775.2/21

yield_bcm_an_us_mean vs Slug



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.988+/-0.000 χ^2/NDF : 28508.1/1

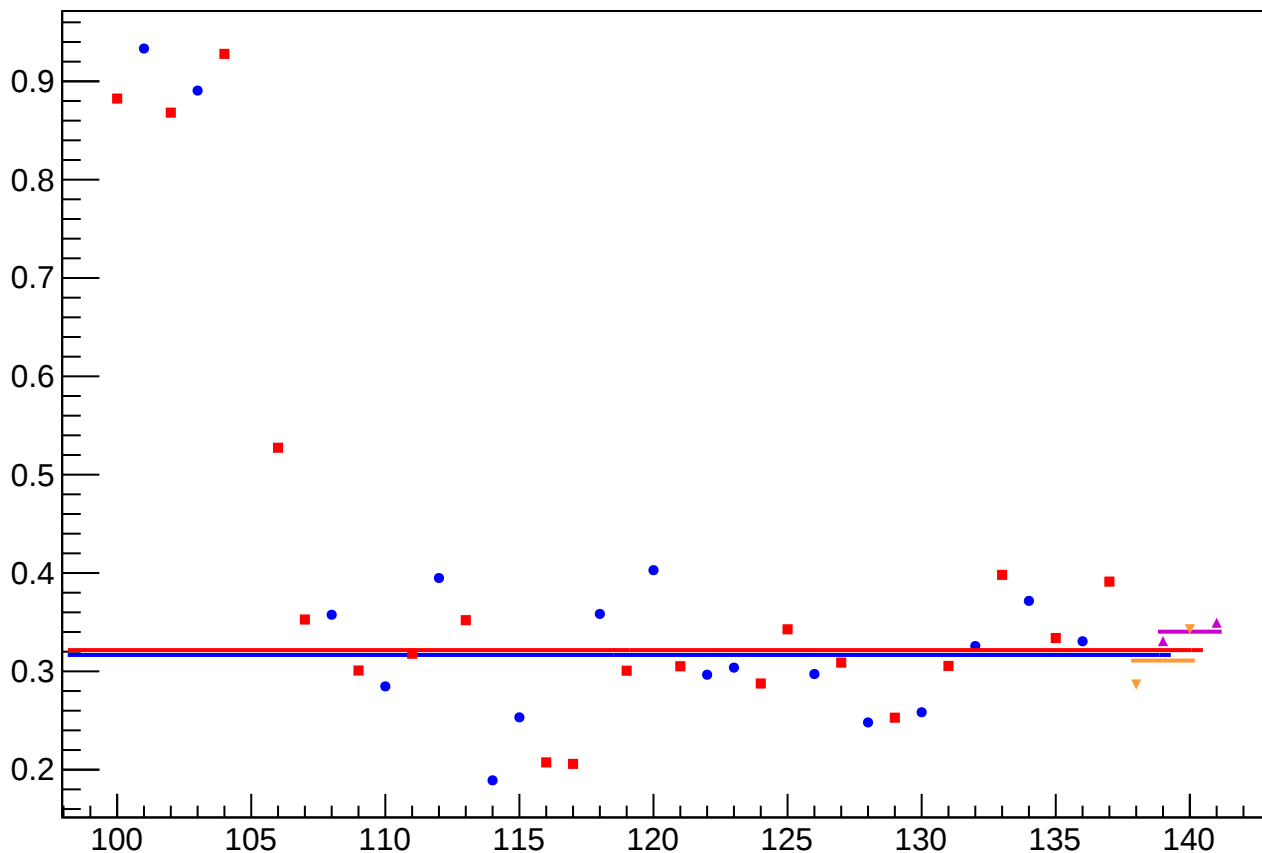
Right Out: 144.423+/-0.000 χ^2/NDF : 4819194675.6/19

Left In: 148.687+/-0.000 χ^2/NDF : 165511.7/1

144.998+/-0.000 χ^2/NDF : 4063784210.3/18

145.224+/-0.000 χ^2/NDF : 5013438518.6/21

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.311 ± 0.000 χ^2/NDF : 23739.0/1

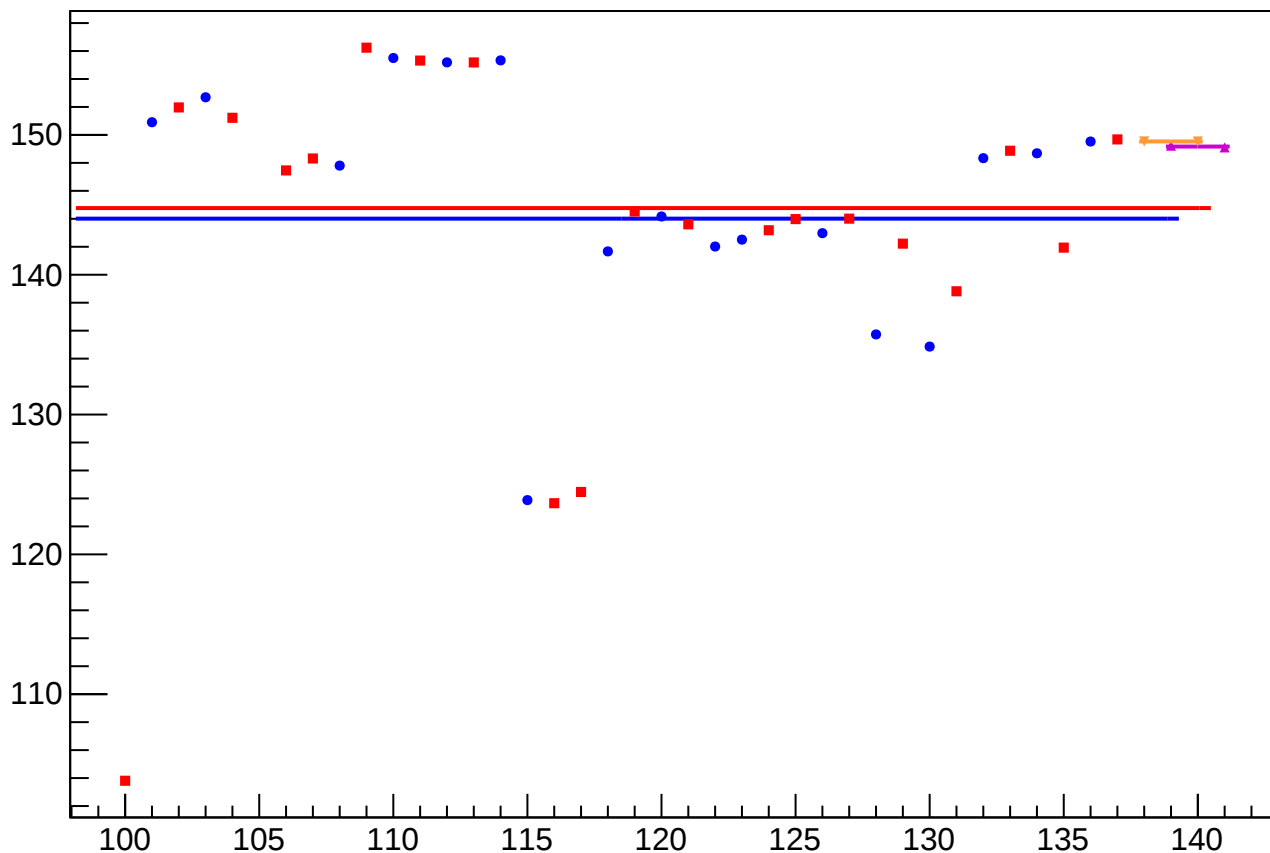
Right Out: 0.322 ± 0.000 χ^2/NDF : 1244671.1/19

Left In: 0.340 ± 0.000 χ^2/NDF : 2295.6/1

0.315 ± 0.000 χ^2/NDF : 1304880.2/18

0.325 ± 0.000 χ^2/NDF : 1254453.4/21

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000 χ^2/NDF : 3241696920.3/16

Left Out: 149.533 $\pm$ 0.000 χ^2/NDF :150.7/1

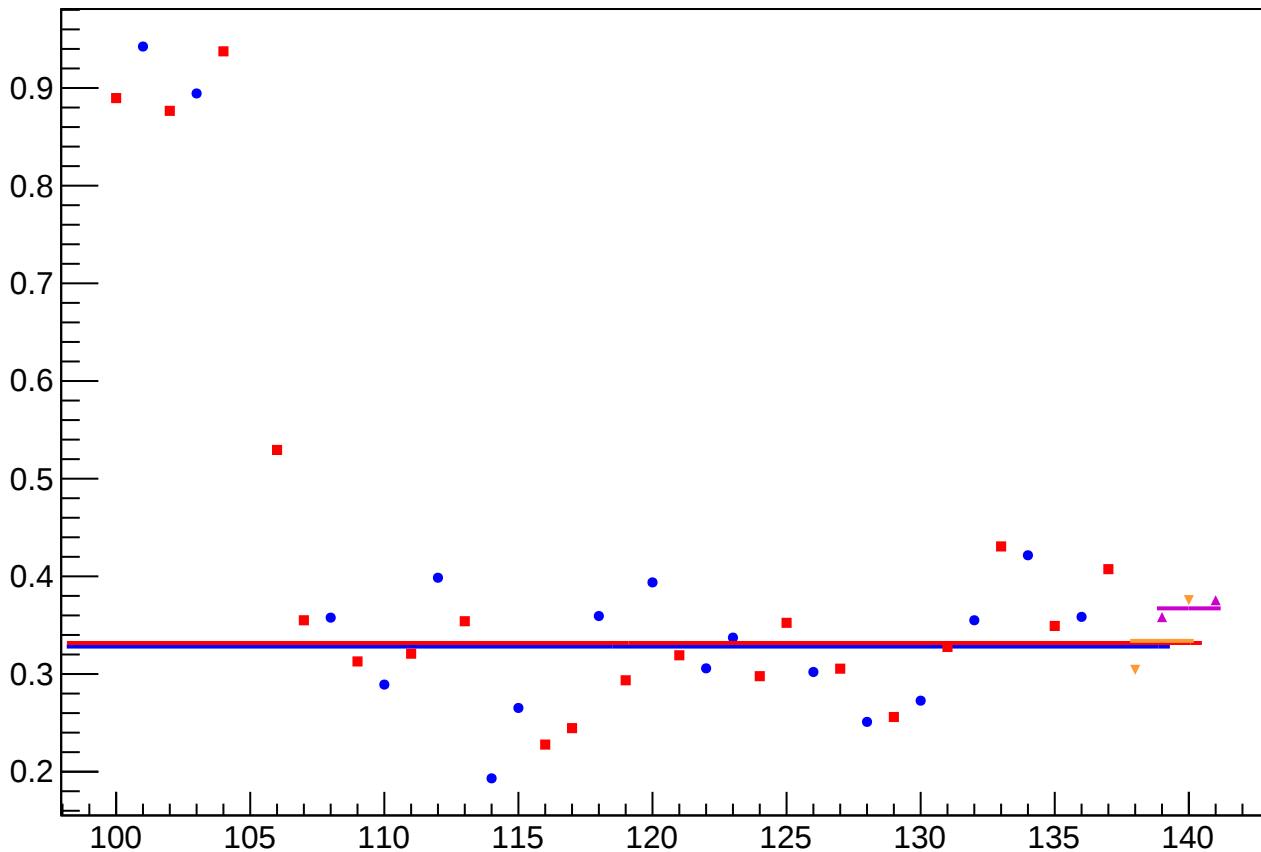
Right Out: 144.767 $\pm$ 0.000 χ^2/NDF : 4097482970.1/19

Left In: 149.168 $\pm$ 0.000 χ^2/NDF :42828.8/1

145.125 $\pm$ 0.000 χ^2/NDF : 3556986004.3/18

145.531 $\pm$ 0.000 χ^2/NDF : 4276871615.7/21

yield_bcm_dg_us_rms vs Slug



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.334+/-0.000 χ^2/NDF : 32046.2/1

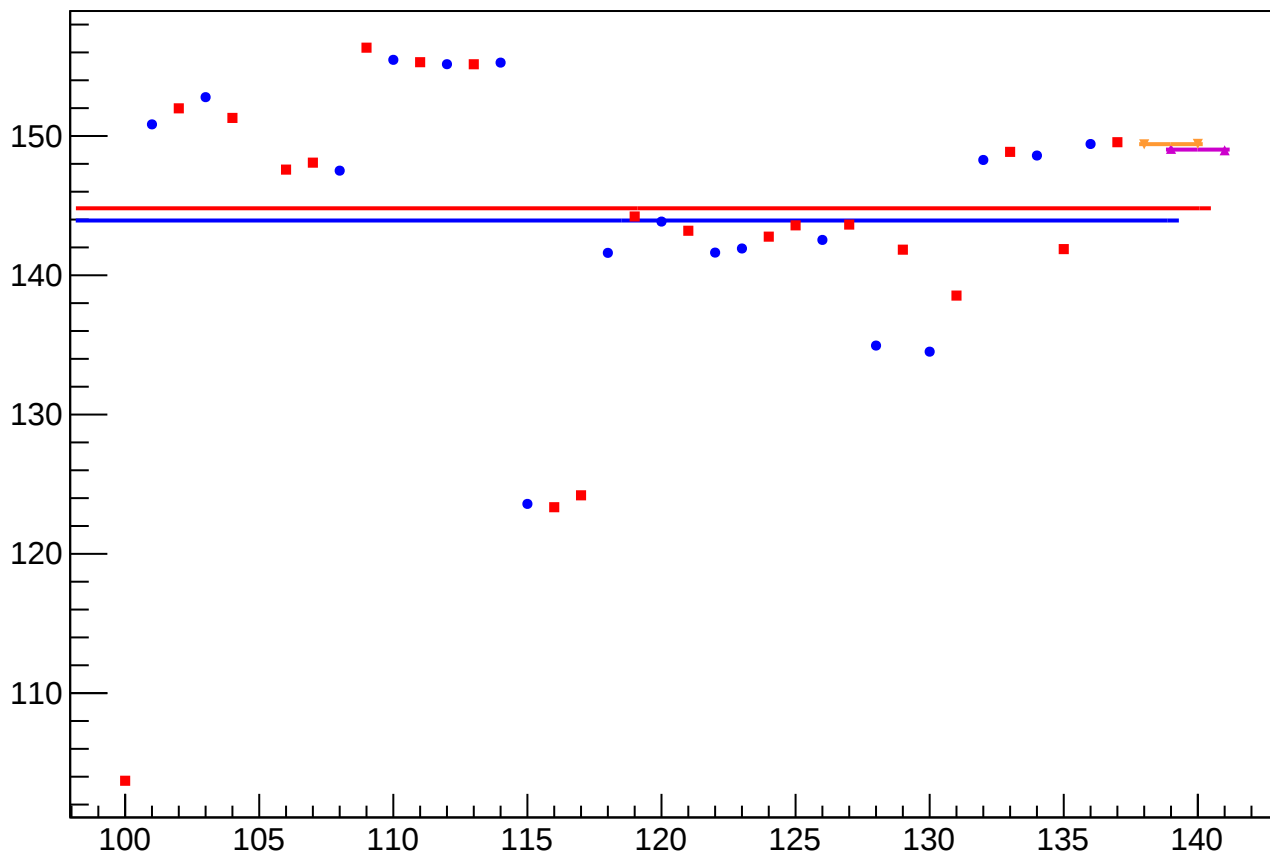
Right Out: 0.332+/-0.000 χ^2/NDF : 1194167.8/19

Left In: 0.367+/-0.000 χ^2/NDF : 1669.8/1

0.329+/-0.000 χ^2/NDF : 1298631.9/18

0.338+/-0.000 χ^2/NDF : 1219093.4/21

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 ± 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 149.415 ± 0.000 χ^2/NDF : 3780.9/1

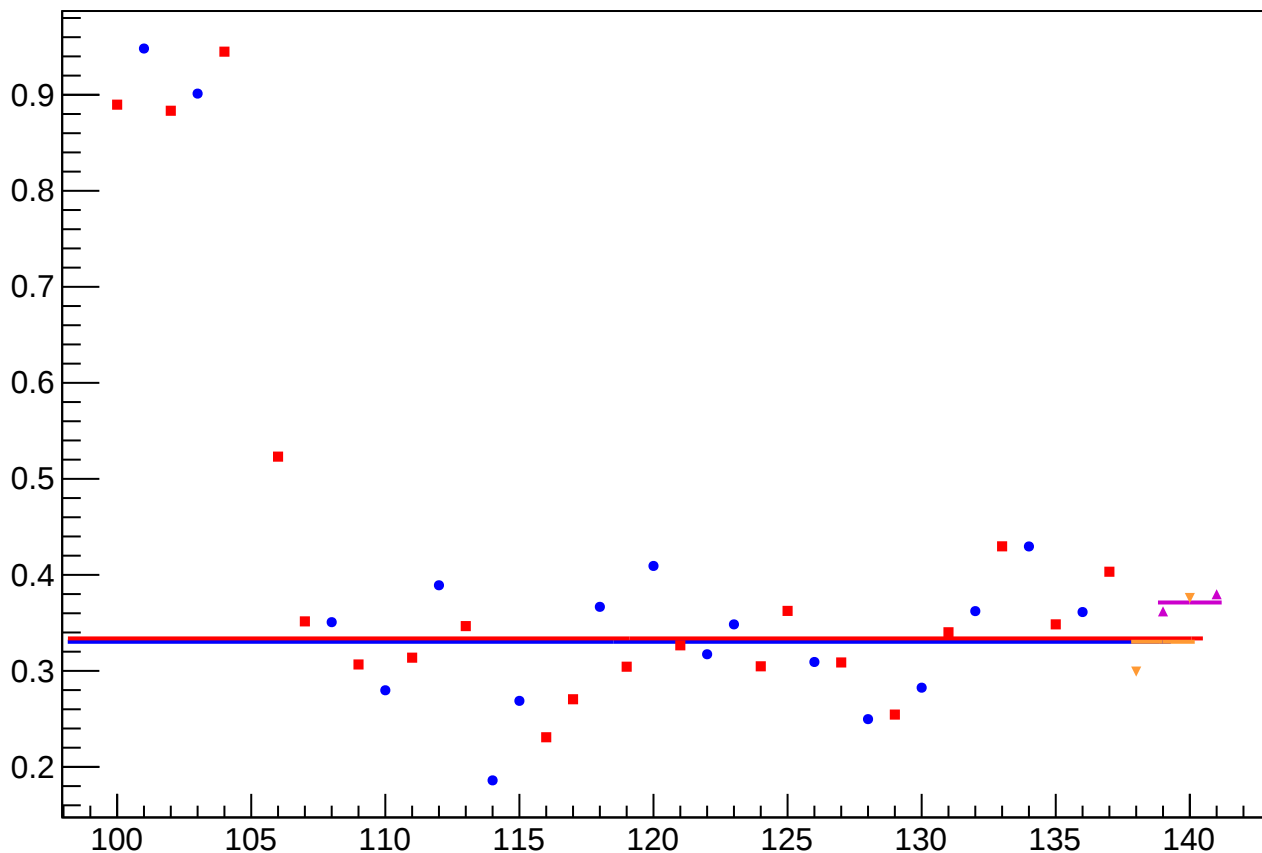
Right Out: 144.809 ± 0.000 χ^2/NDF : 4138041955.6/19

Left In: 149.024 ± 0.000 χ^2/NDF : 29073.0/1

145.062 ± 0.000 χ^2/NDF : 3695594825.6/18

145.532 ± 0.000 χ^2/NDF : 4298627023.9/21

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.330+/-0.000 χ^2/NDF : 37107.6/1

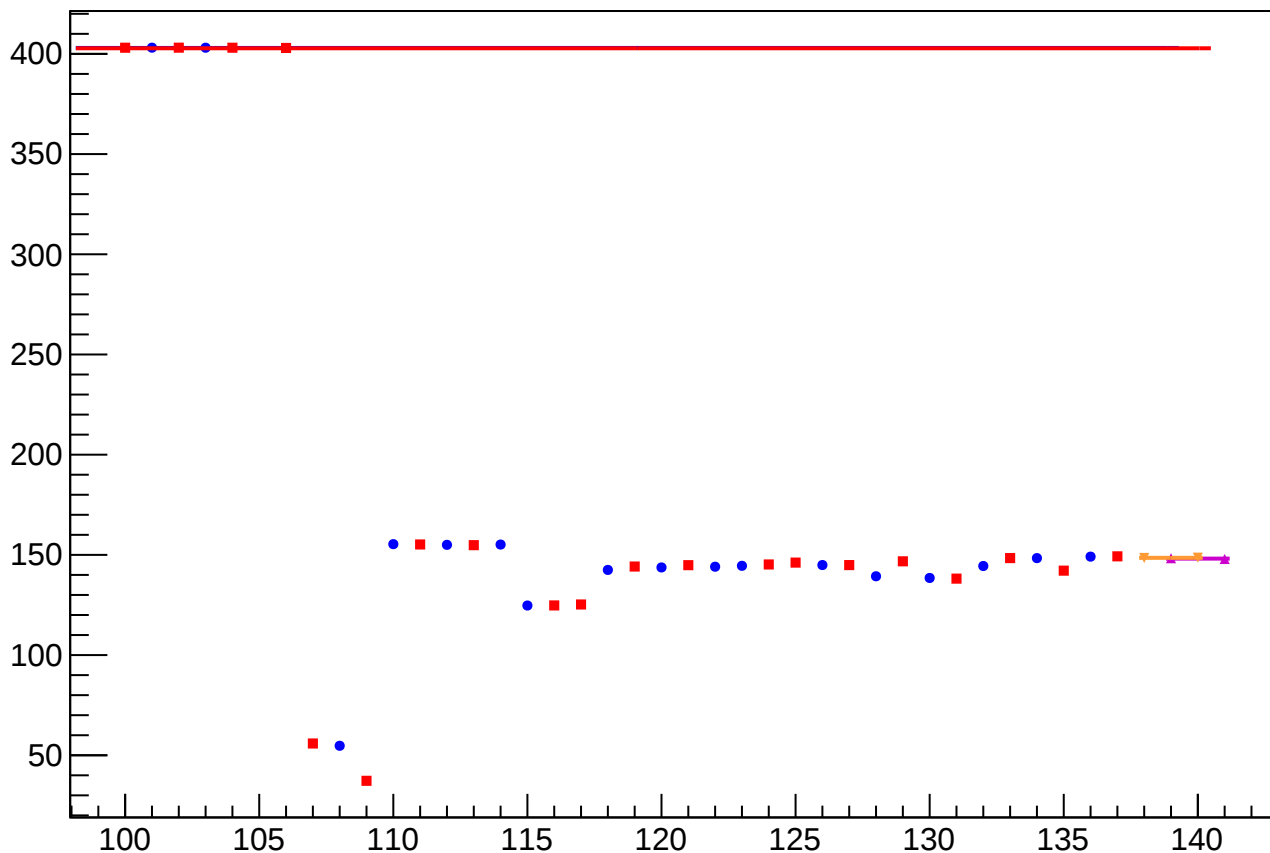
Right Out: 0.334+/-0.000 χ^2/NDF : 1177889.1/19

Left In: 0.371+/-0.000 χ^2/NDF : 1731.7/1

0.330+/-0.000 χ^2/NDF : 1321063.3/18

0.340+/-0.000 χ^2/NDF : 1204949.2/21

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 148.527+/-0.001 χ^2/NDF :14391.1/1

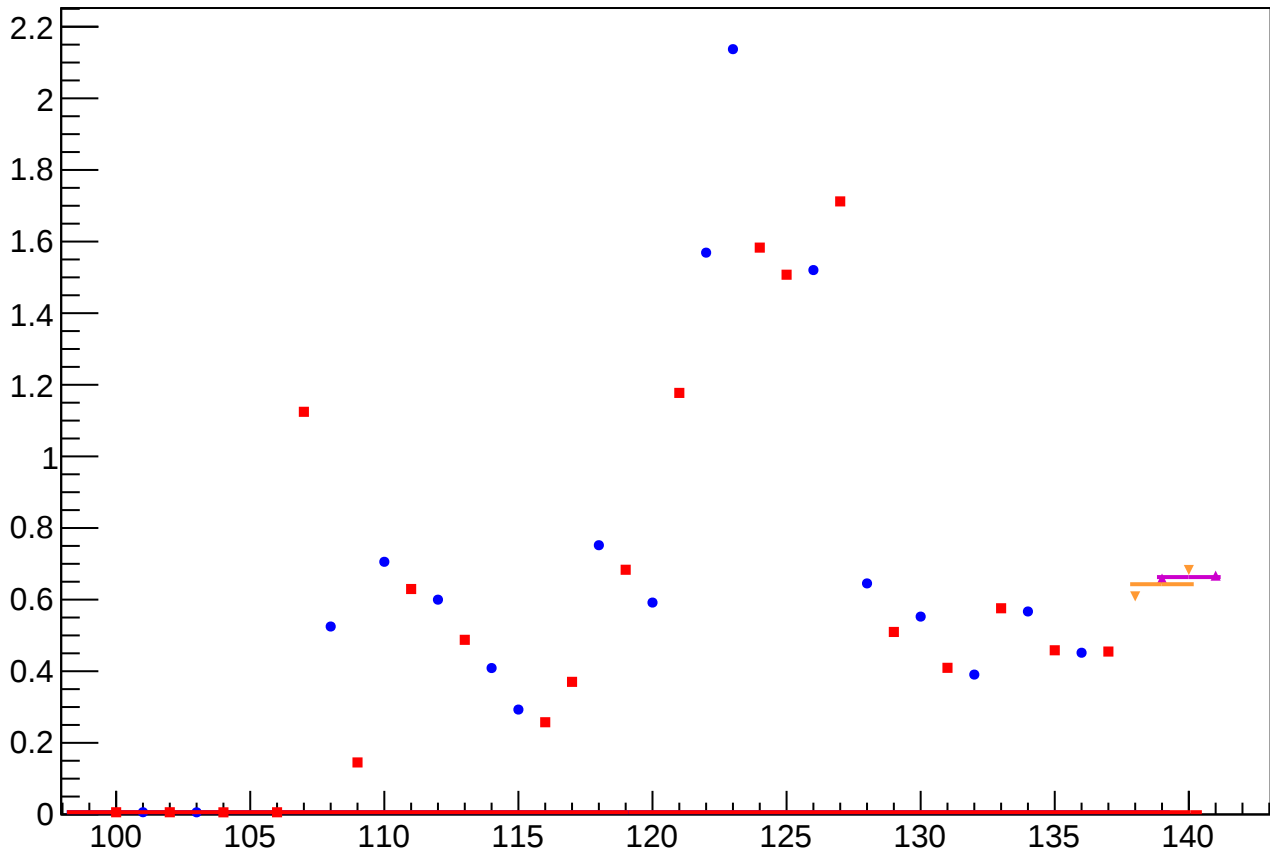
Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

Left In: 148.138+/-0.001 χ^2/NDF :102947.0/1

402.933+/-0.000 χ^2/NDF : 1291972240263.0/18

402.776+/-0.000 χ^2/NDF : 3308012672973.6/21

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.643+/-0.000 χ^2/NDF :8243.1/1

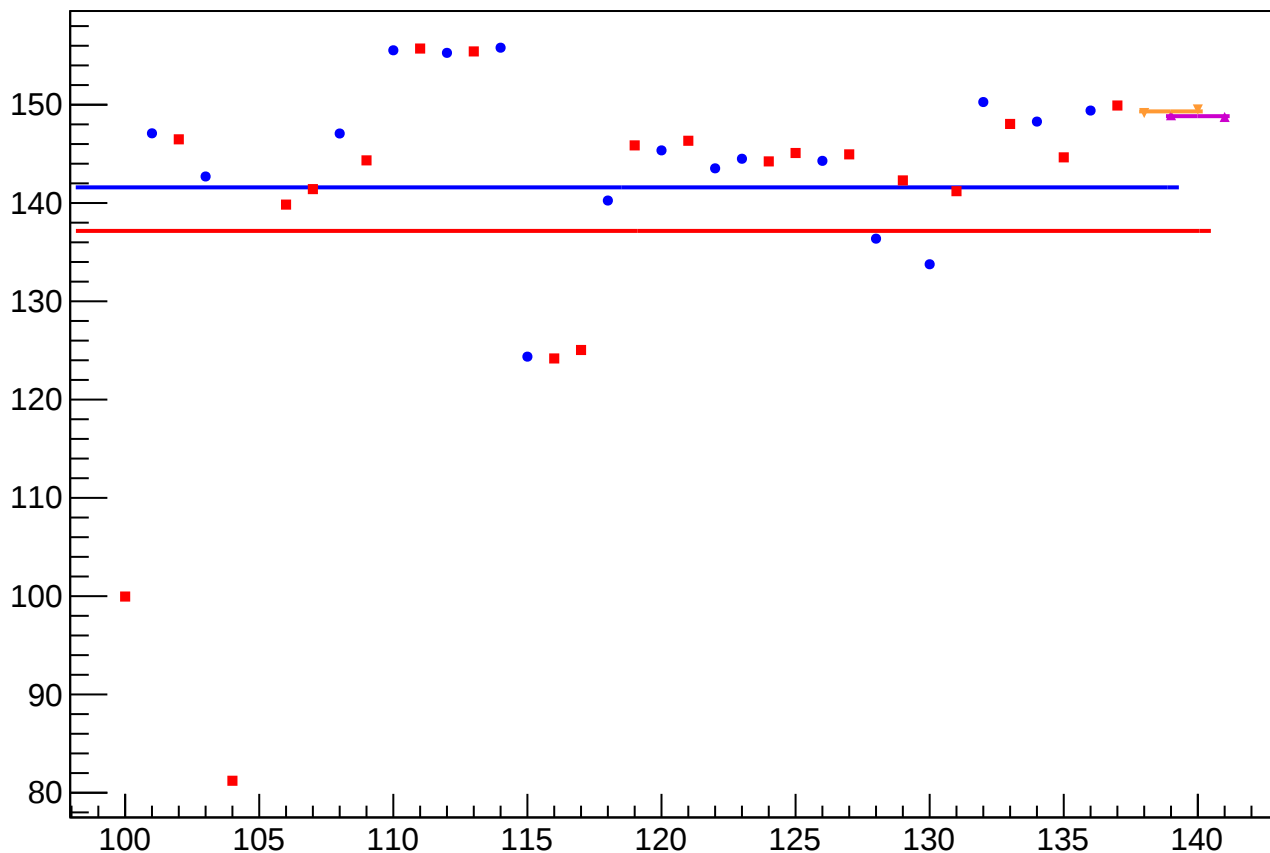
Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

Left In: 0.663+/-0.000 χ^2/NDF :94.4/1

0.006+/-0.000 χ^2/NDF : 11562510.3/18

0.006+/-0.000 χ^2/NDF : 11746432.6/21

yield_cav4cQ_mean vs Slug



Right In: 141.593+/-0.000 χ^2/NDF : 980101868.2/16

Left Out: 149.323+/-0.001 χ^2/NDF : 86994.4/1

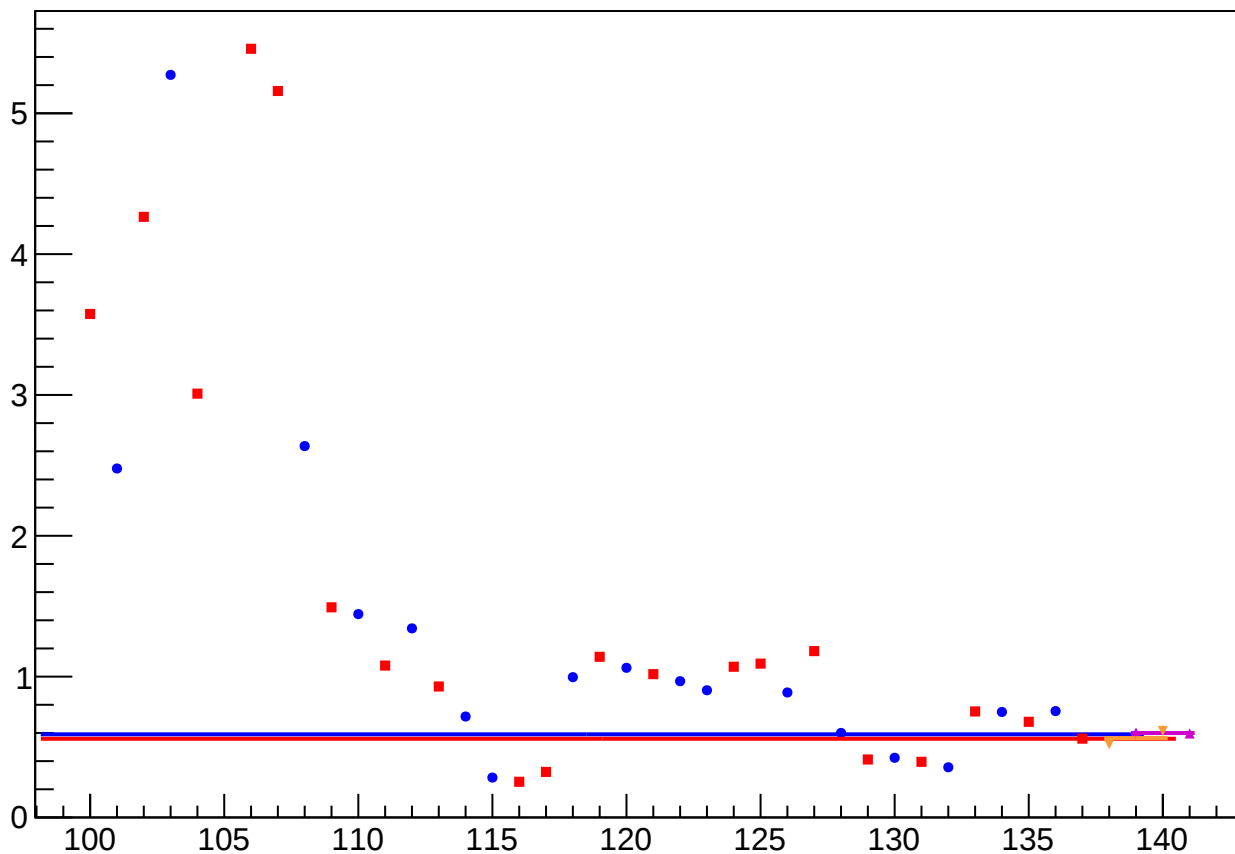
Right Out: 137.162+/-0.000 χ^2/NDF : 1366089515.6/19

Left In: 148.836+/-0.001 χ^2/NDF : 19887.0/1

143.191+/-0.000 χ^2/NDF : 1104867347.1/18

139.385+/-0.000 χ^2/NDF : 1650369502.2/21

yield_cav4cQ_rms vs Slug



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.563+/-0.000 χ^2/NDF :11667.9/1

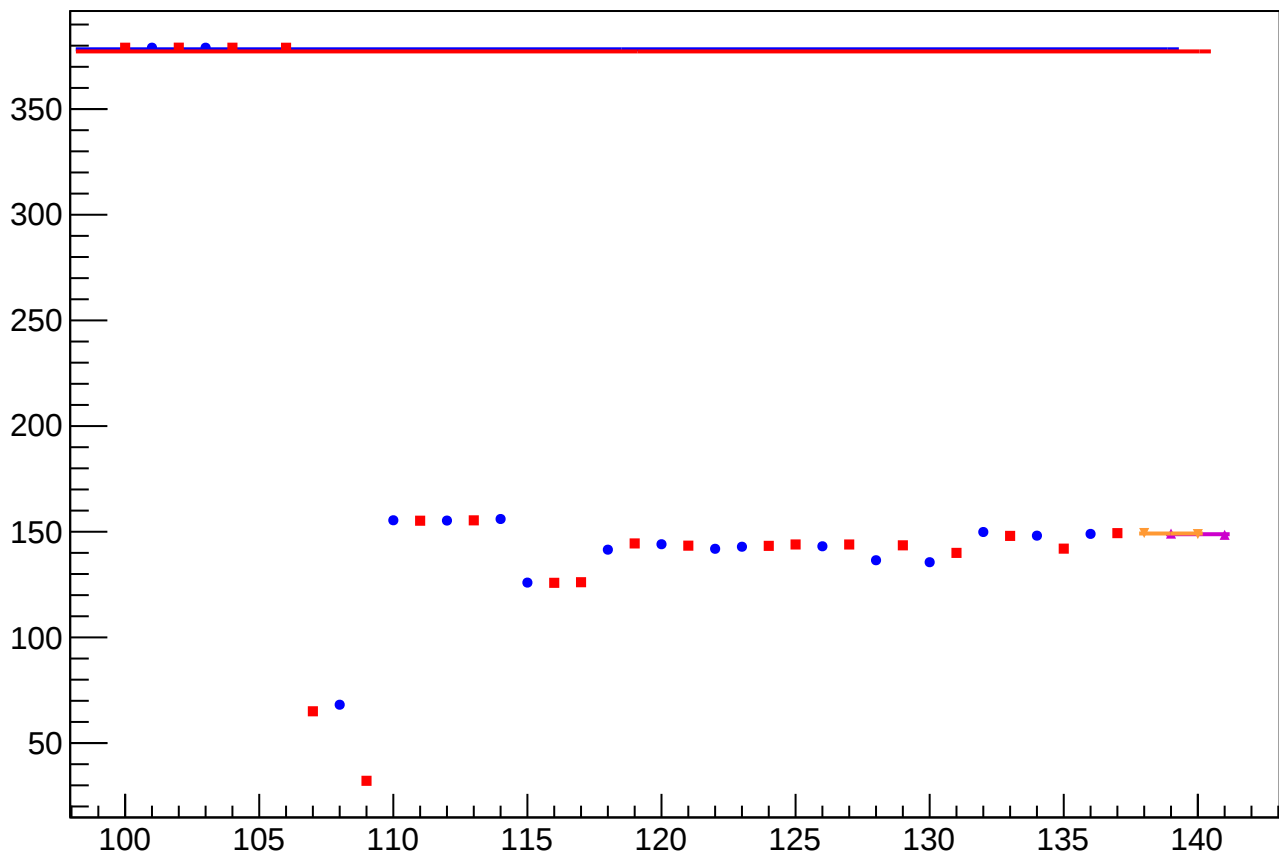
Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

Left In: 0.599+/-0.000 χ^2/NDF :58.5/1

0.585+/-0.000 χ^2/NDF : 3506703.6/18

0.566+/-0.000 χ^2/NDF : 4728243.0/21

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 149.164+/-0.000 χ^2/NDF : 726042.0/1

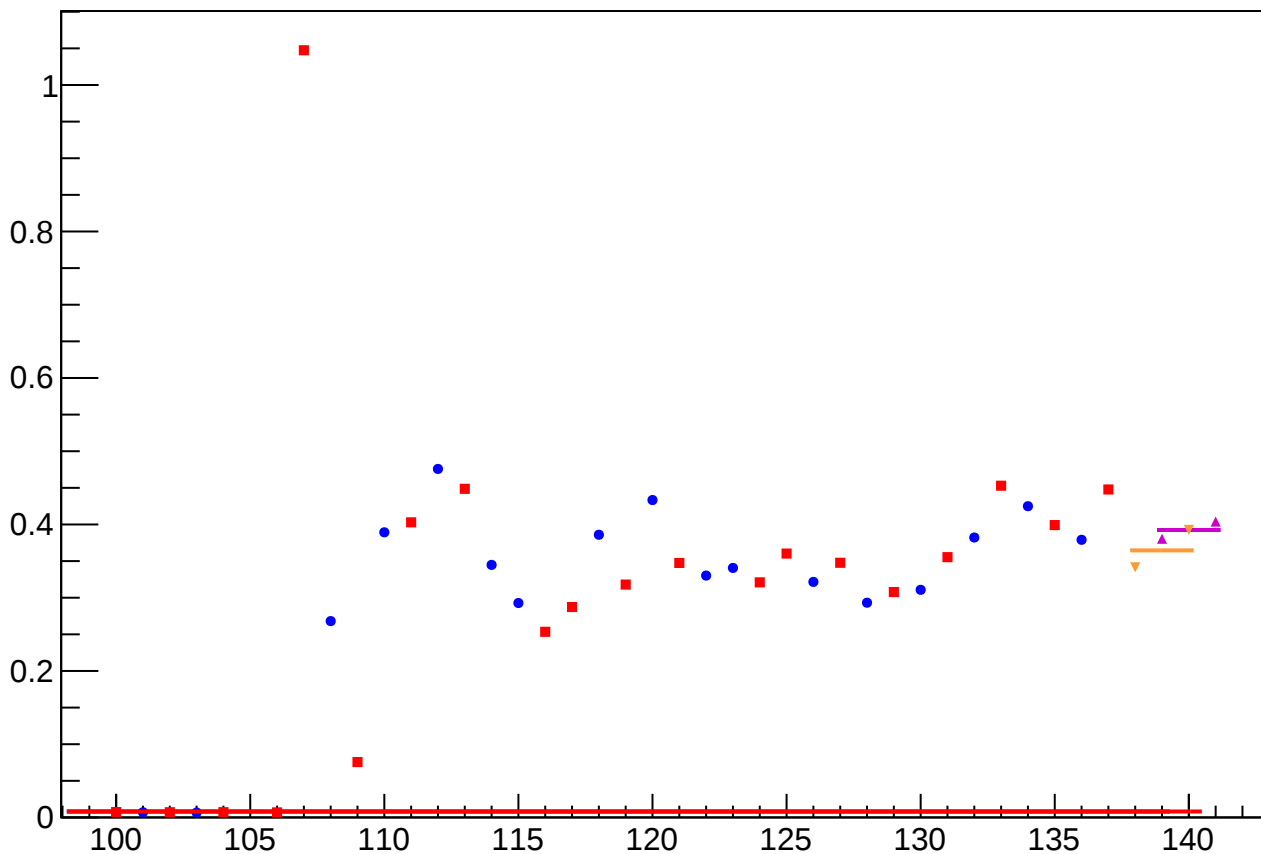
Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

Left In: 148.830+/-0.000 χ^2/NDF : 831333.7/1

378.089+/-0.000 χ^2/NDF : 3099020690411.9/18

377.131+/-0.000 χ^2/NDF : 8829121630564.1/23

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.365+/-0.000 χ^2/NDF :14561.5/1

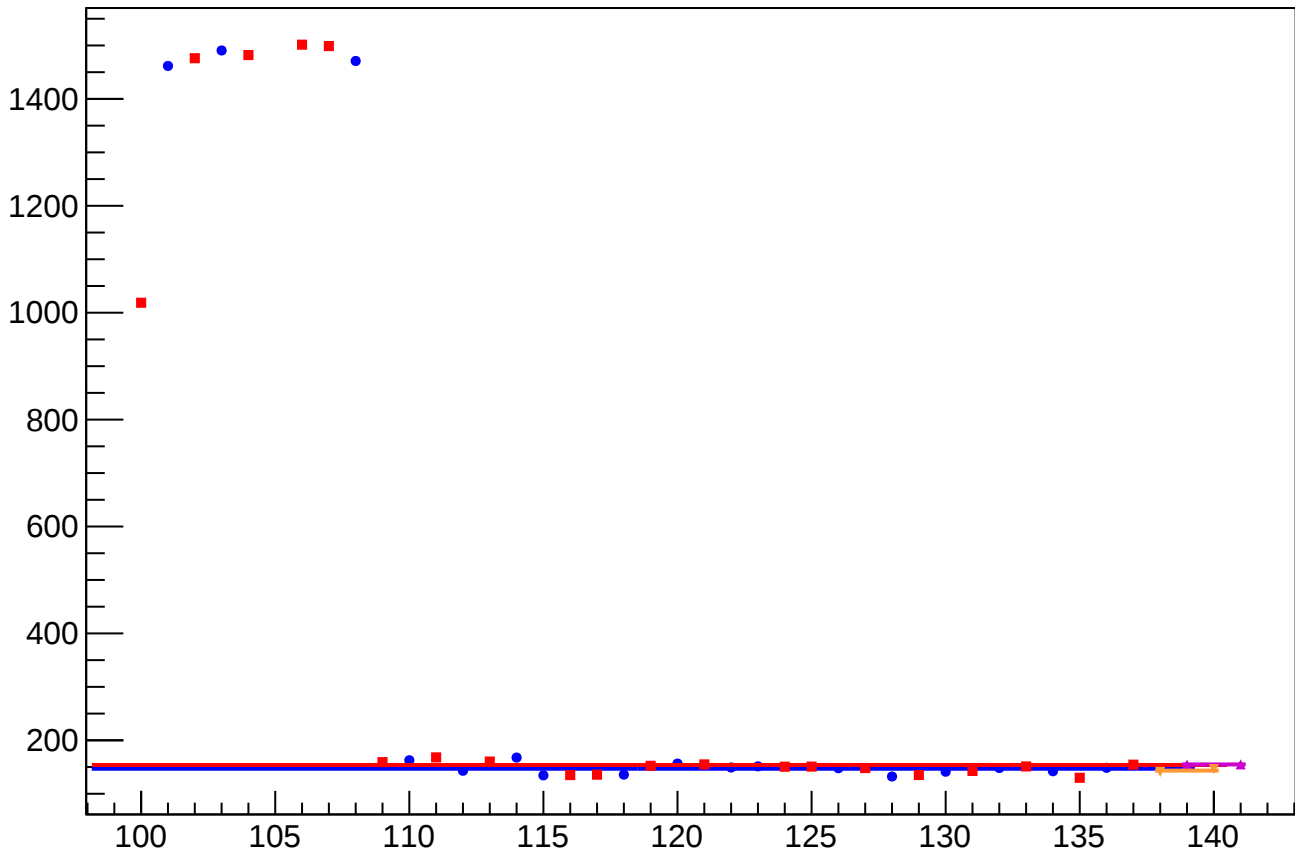
Right Out: 0.008+/-0.000 χ^2/NDF : 9589375.6/19

Left In: 0.392+/-0.000 χ^2/NDF :2710.0/1

0.008+/-0.000 χ^2/NDF : 12681414.3/18

0.008+/-0.000 χ^2/NDF : 12511963.8/21

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 143.308+/-0.001 χ^2/NDF :10303514.4/1

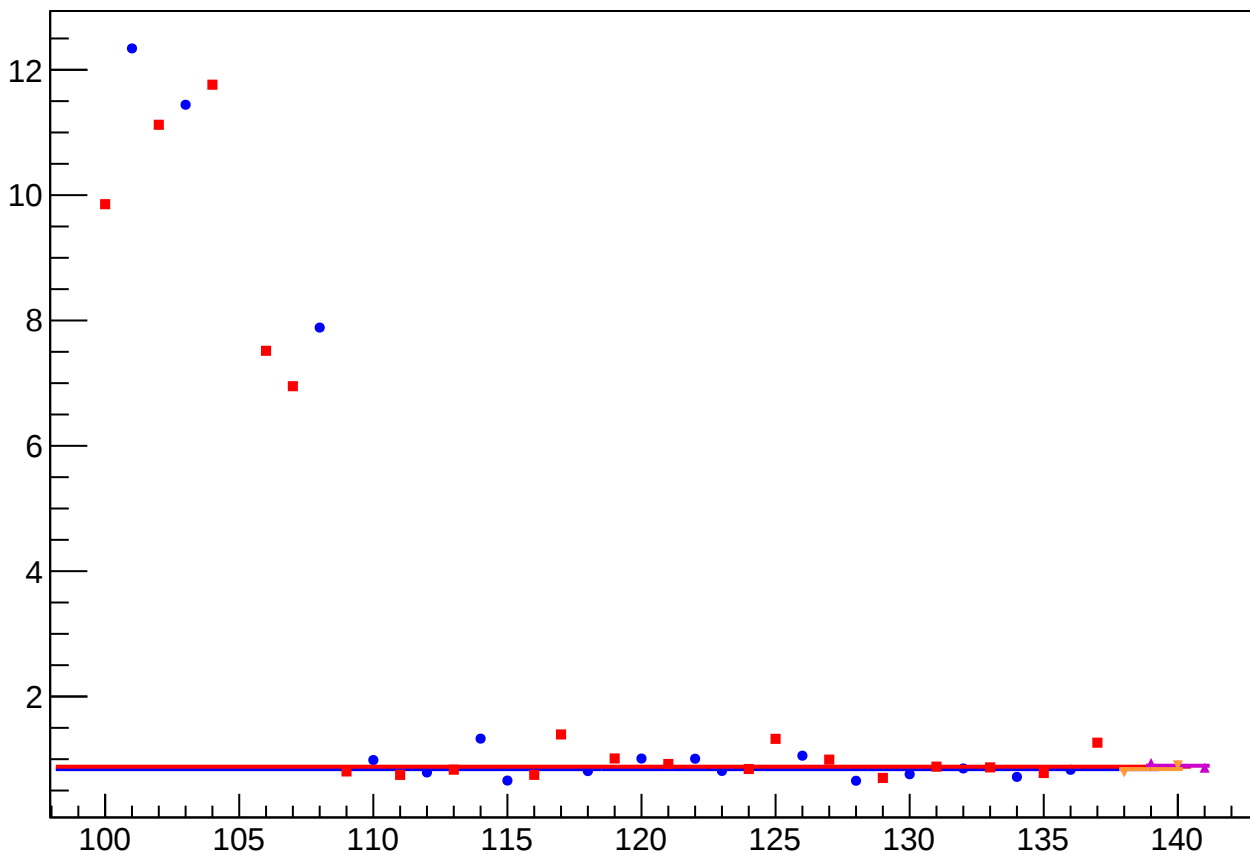
146.075+/-0.000 χ^2/NDF : 24384983207.5/18

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

154.049+/-0.000 χ^2/NDF : 33745468497.0/21

Left In: 154.872+/-0.001 χ^2/NDF :35060.1/1

yield_bcm0l02_rms vs Slug



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.842+/-0.001 χ^2/NDF : 9055.6/1

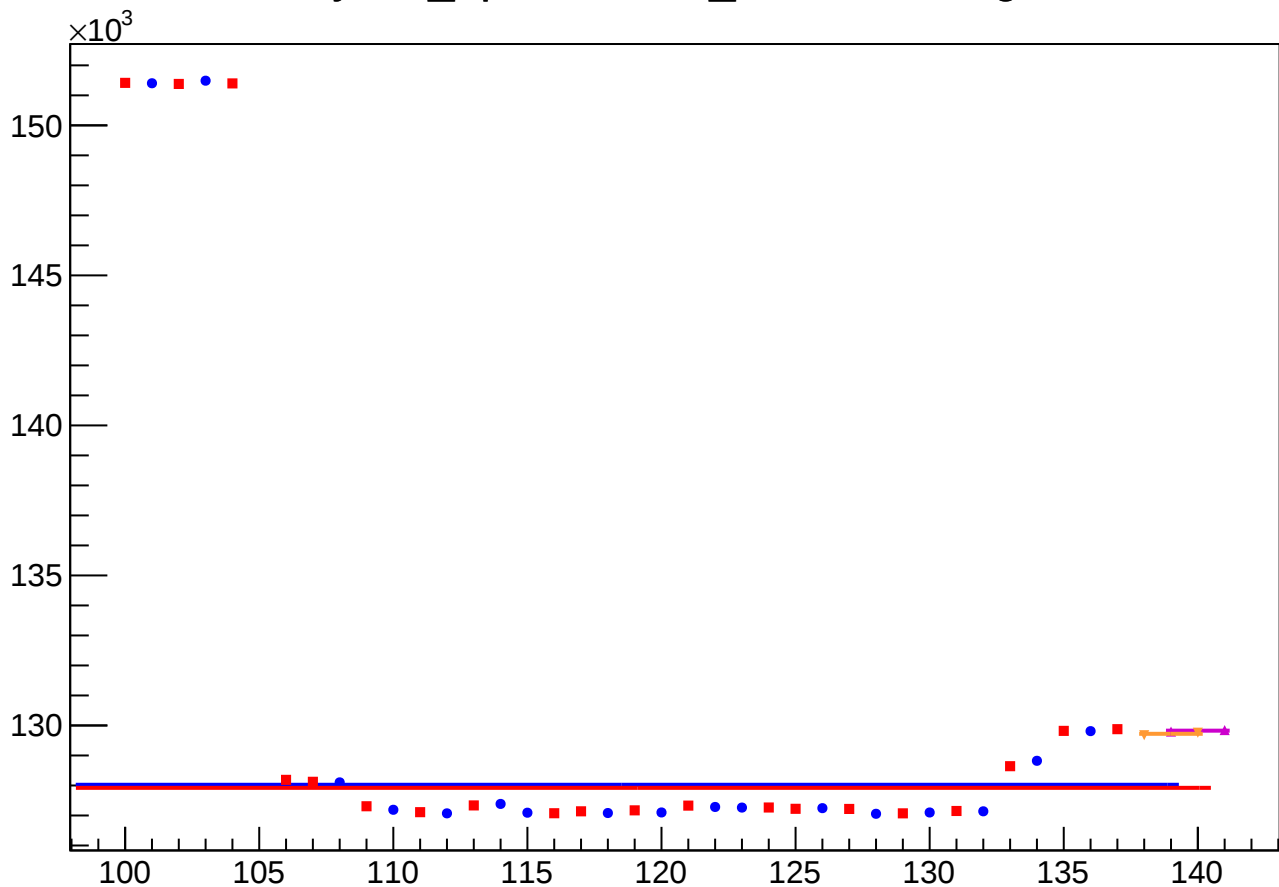
Right Out: 0.880+/-0.000 χ^2/NDF : 2825356.7/19

Left In: 0.896+/-0.001 χ^2/NDF : 3824.9/1

0.841+/-0.000 χ^2/NDF : 2671452.0/18

0.883+/-0.000 χ^2/NDF : 2829701.2/21

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129722.149 $\pm$ 0.138 χ^2 /NDF: 90939.5/1

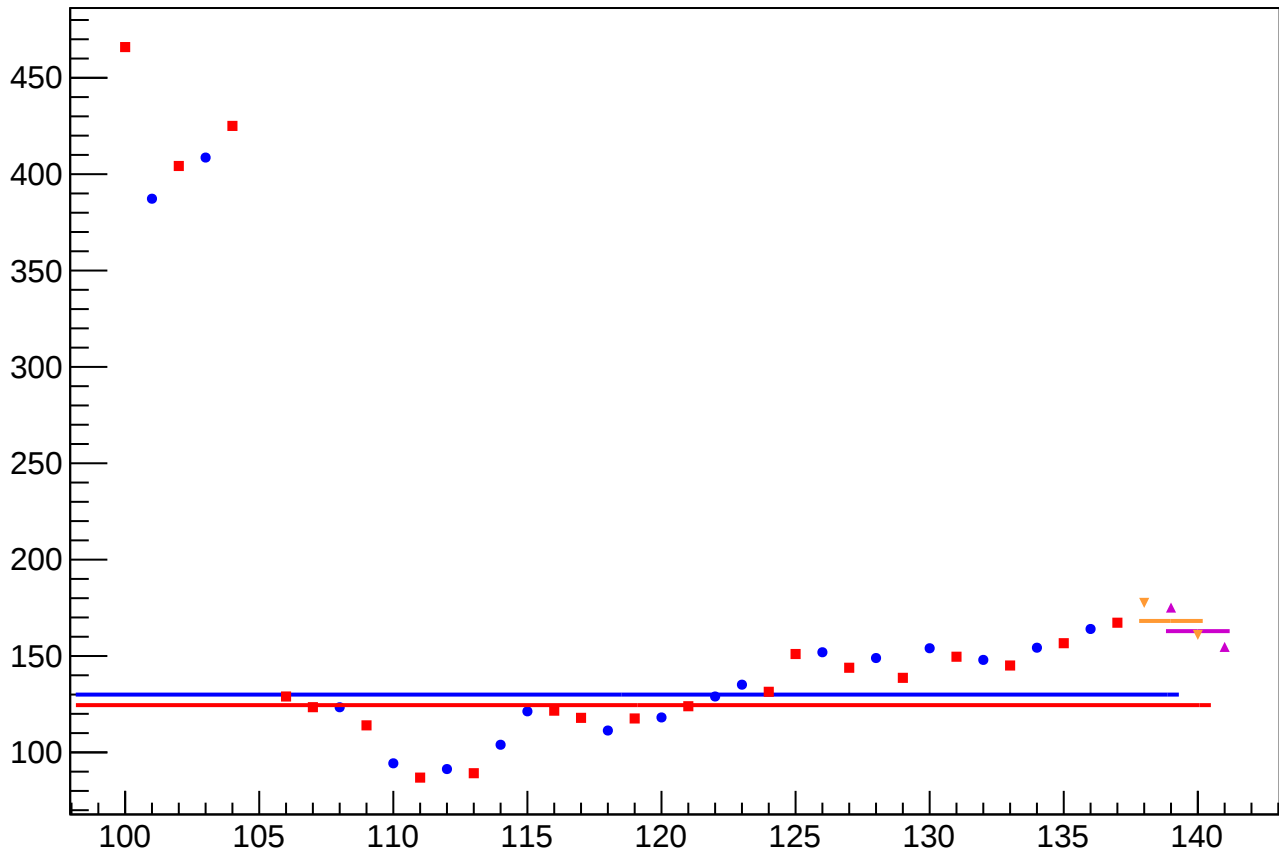
Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

Left In: 129826.797 $\pm$ 0.131 χ^2 /NDF: 34779.0/1

128252.372 $\pm$ 0.051 χ^2 /NDF: 4447318852.5/18

128165.678 $\pm$ 0.047 χ^2 /NDF: 3953964957.5/21

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 168.193 $\pm$ 0.098 χ^2 /NDF: 7094.1/1

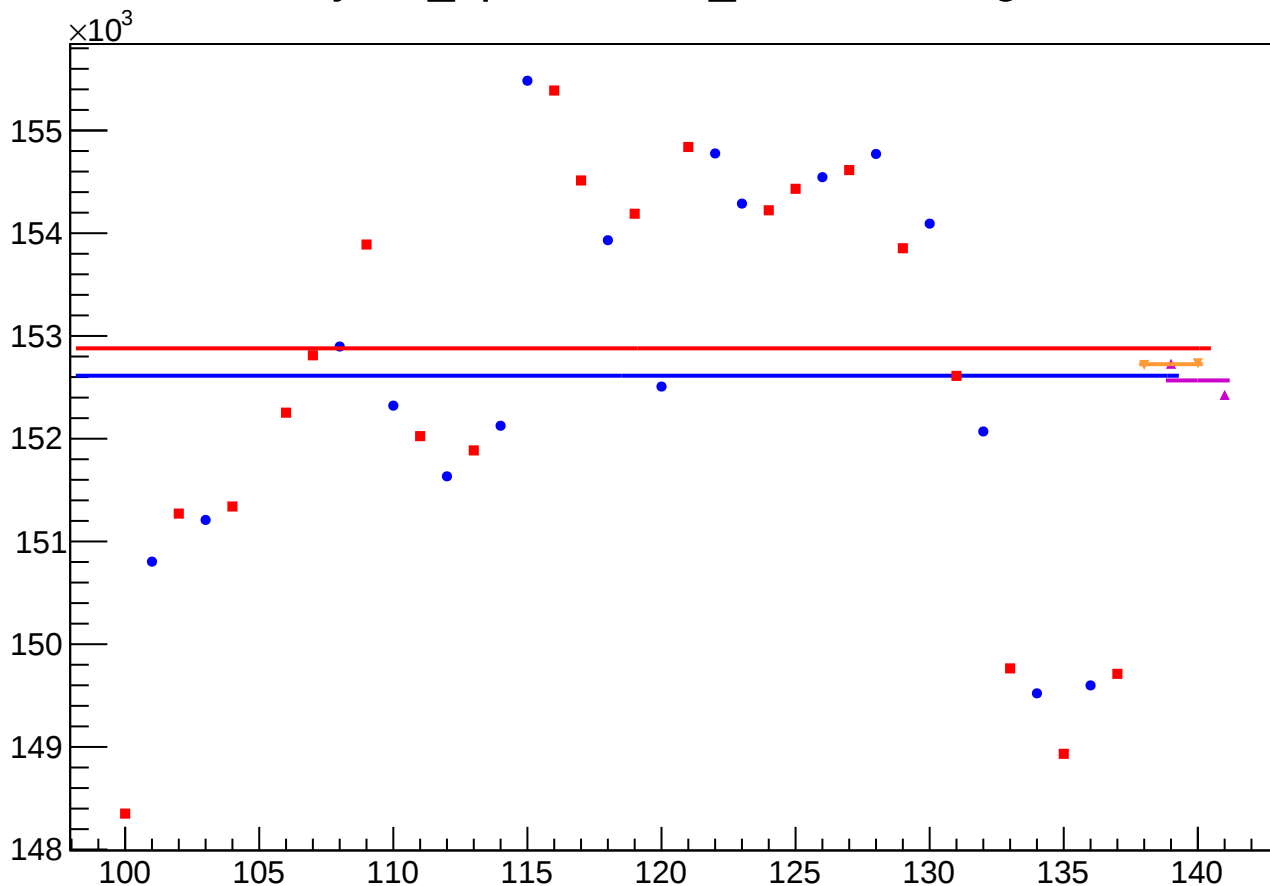
135.128 $\pm$ 0.036 χ^2 /NDF: 1624898.3/18

Right Out: 124.514 $\pm$ 0.035 χ^2 /NDF: 1531546.7/19

129.438 $\pm$ 0.033 χ^2 /NDF: 1693434.2/21

Left In: 162.909 $\pm$ 0.093 χ^2 /NDF: 11697.8/1

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2/NDF : 623356098.4/16

Left Out: 152725.219 $\pm$ 0.146 χ^2/NDF : 3151.3/1

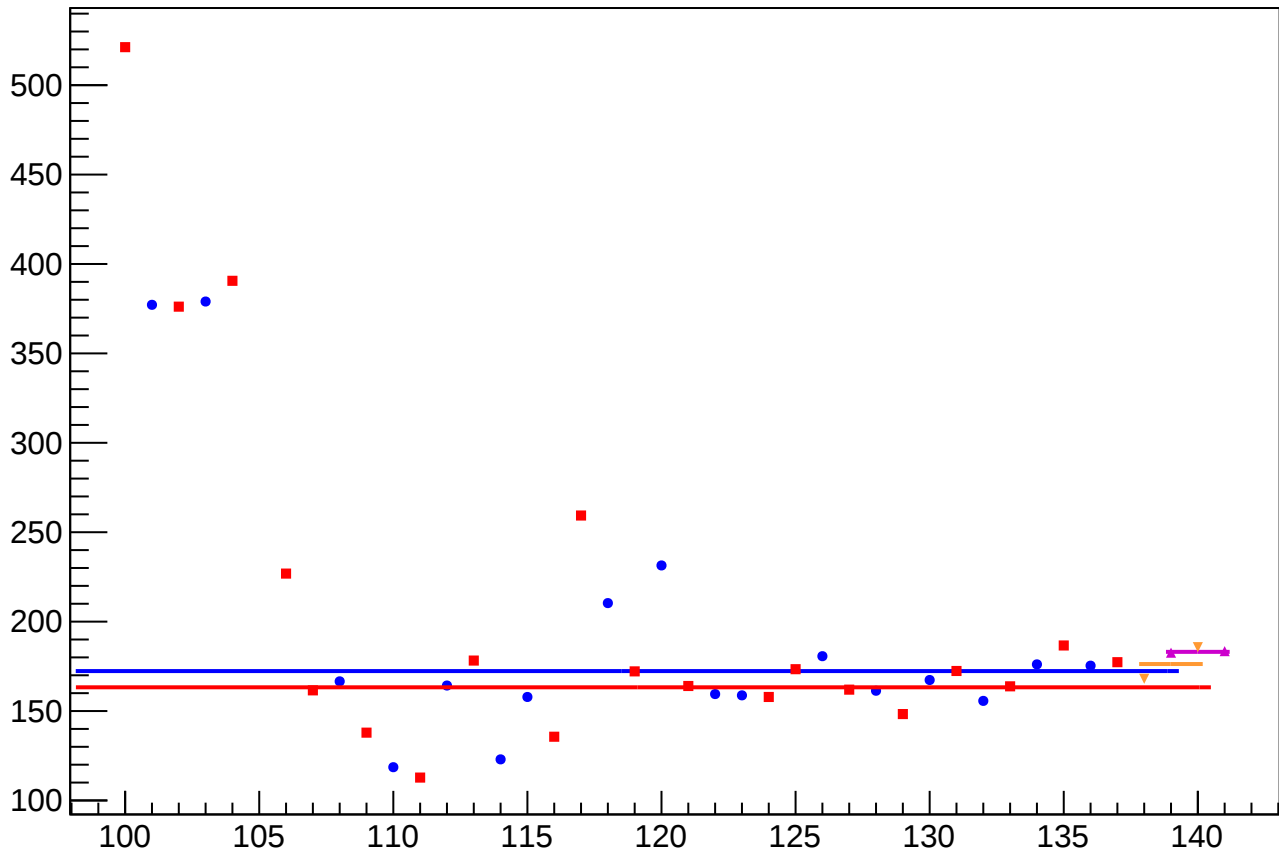
Right Out: 152879.455 $\pm$ 0.066 χ^2/NDF : 717907168.5/19

Left In: 152567.172 $\pm$ 0.147 χ^2/NDF : 1059696.8/1

152635.254 $\pm$ 0.065 χ^2/NDF : 623834313.8/18

152826.866 $\pm$ 0.060 χ^2/NDF : 722724175.3/21

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 ± 0.051 χ^2/NDF : 921911.1/16

Left Out: 176.293 ± 0.103 χ^2/NDF : 7320.9/1

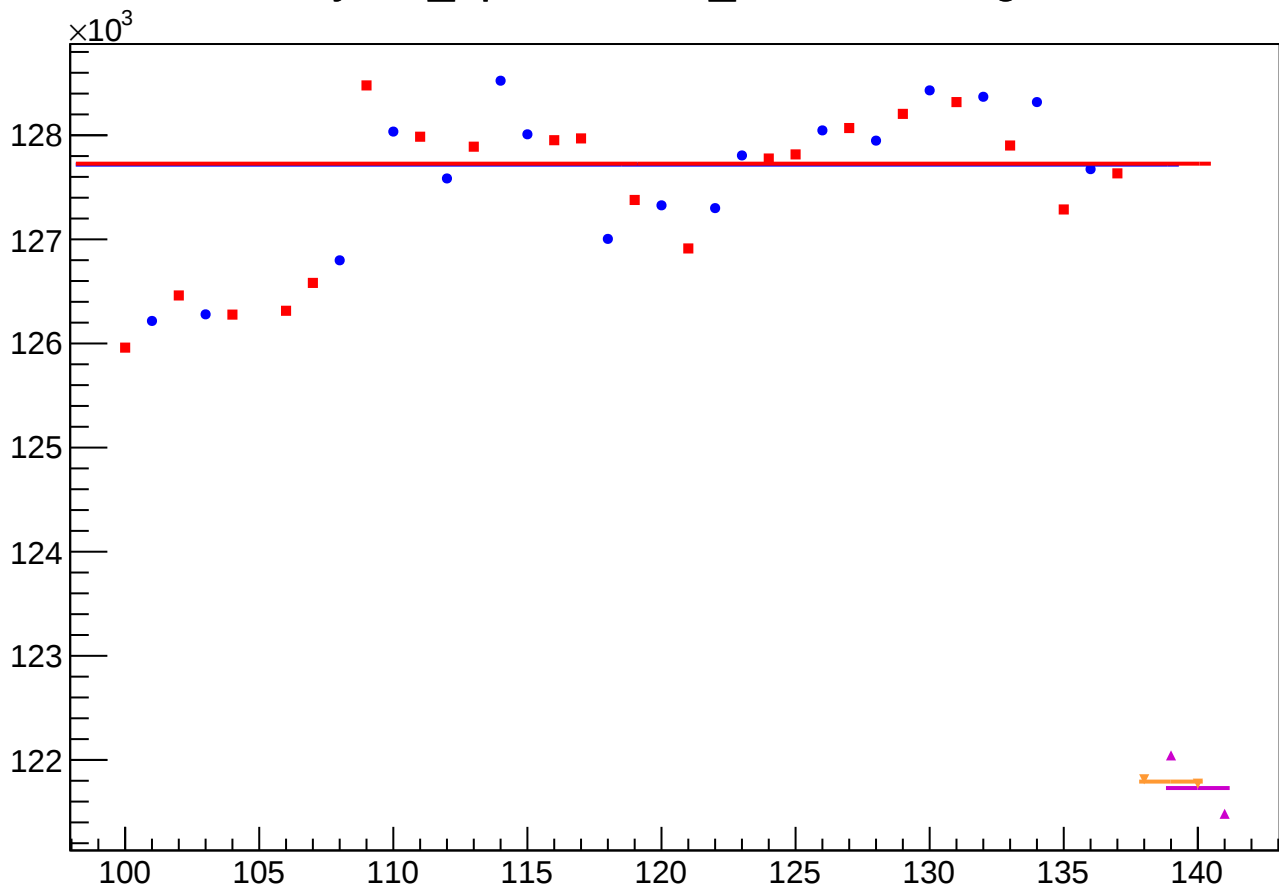
Right Out: 163.273 ± 0.047 χ^2/NDF : 1043440.1/19

Left In: 183.097 ± 0.104 χ^2/NDF : 17.3/1

173.129 ± 0.046 χ^2/NDF : 930406.7/18

166.611 ± 0.043 χ^2/NDF : 1073739.9/21

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 121792.075 $\pm$ 0.124 χ^2 /NDF:28667.5/1

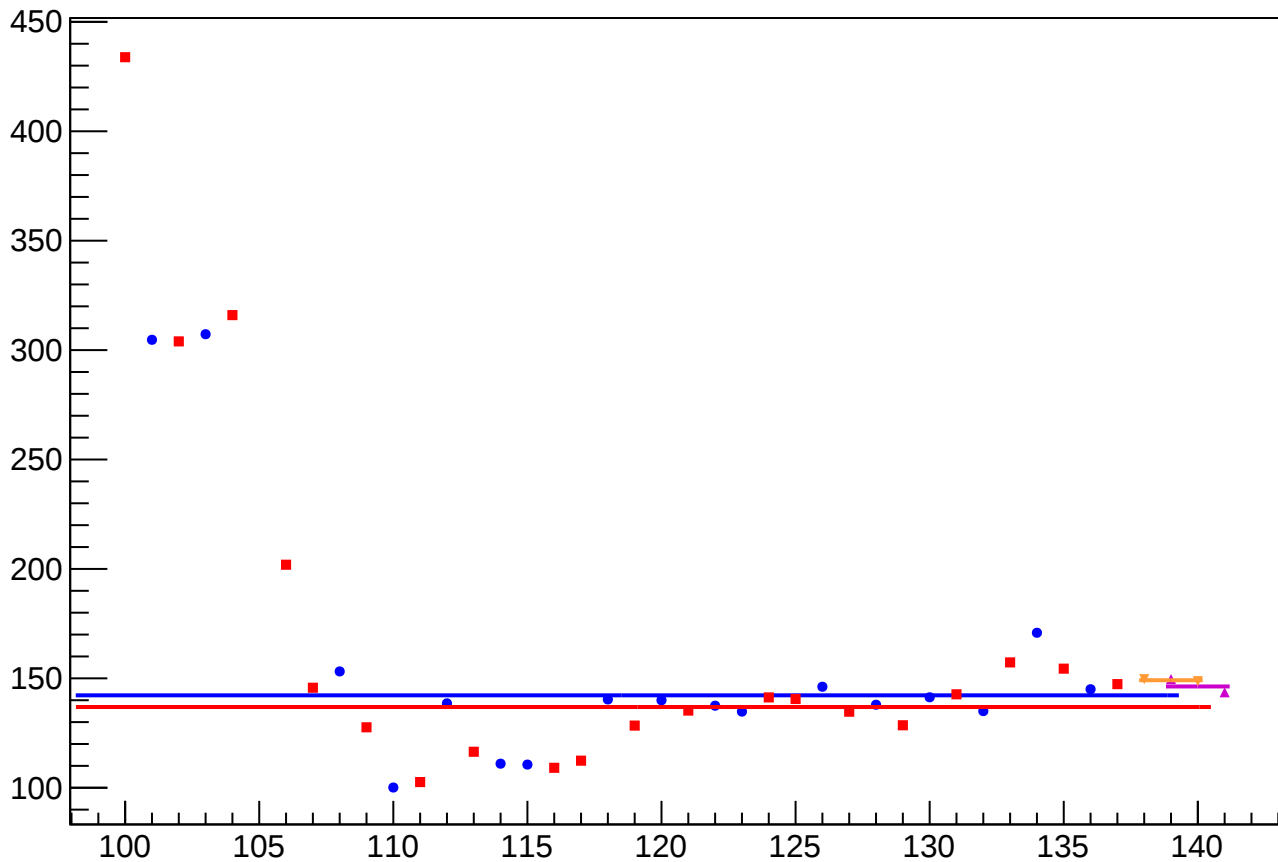
Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

Left In: 121730.053 $\pm$ 0.118 χ^2 /NDF:5609473.5/1

126647.069 $\pm$ 0.053 χ^2 /NDF: 1963121907.0/18

126674.133 $\pm$ 0.049 χ^2 /NDF: 2263770372.7/21

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 ± 0.041 χ^2/NDF : 836415.1/16

Left Out: 149.131 ± 0.088 χ^2/NDF : 26.4/1

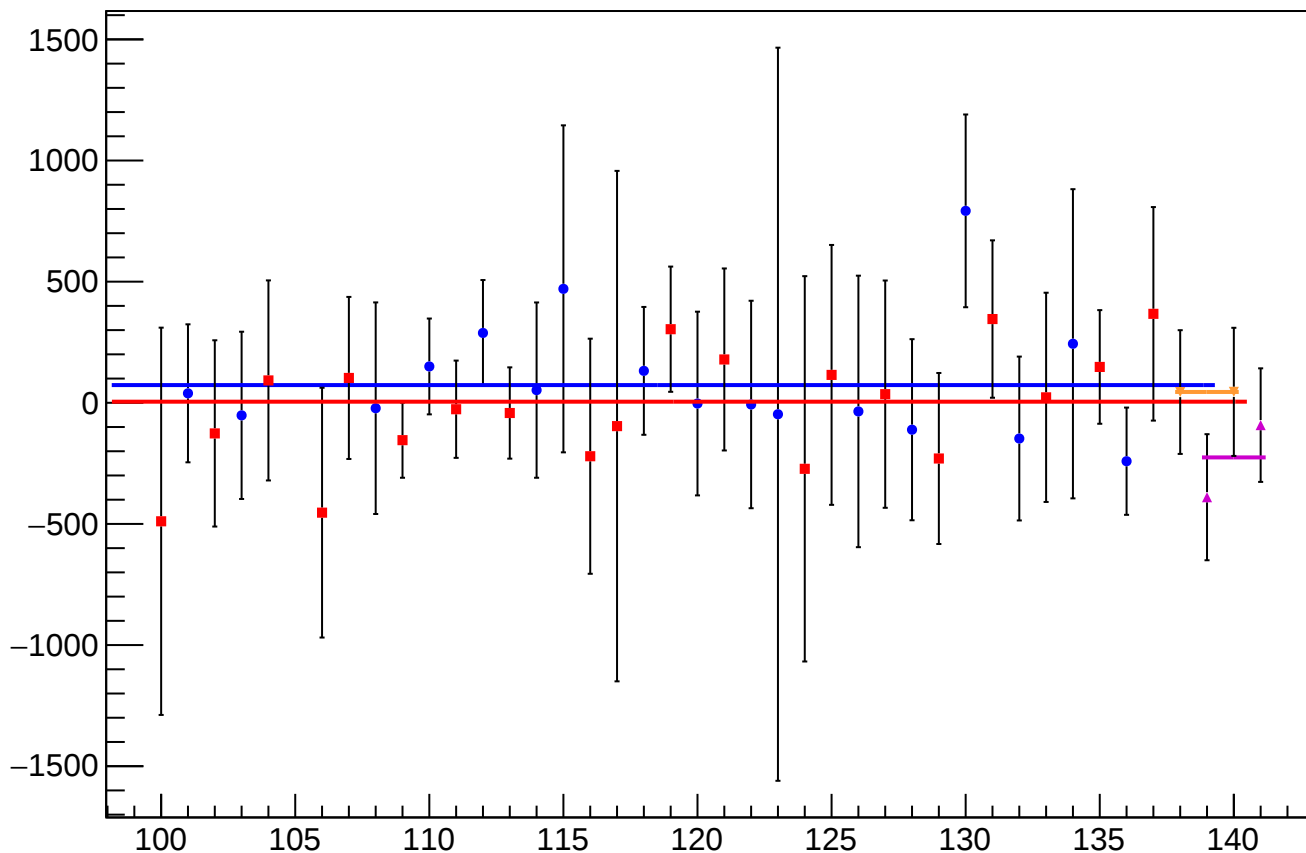
Right Out: 136.904 ± 0.038 χ^2/NDF : 961858.5/19

Left In: 146.291 ± 0.083 χ^2/NDF : 1302.7/1

143.485 ± 0.037 χ^2/NDF : 841493.5/18

138.552 ± 0.035 χ^2/NDF : 973676.4/21

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 44.710+/-183.689 χ^2/NDF : 0.0/1

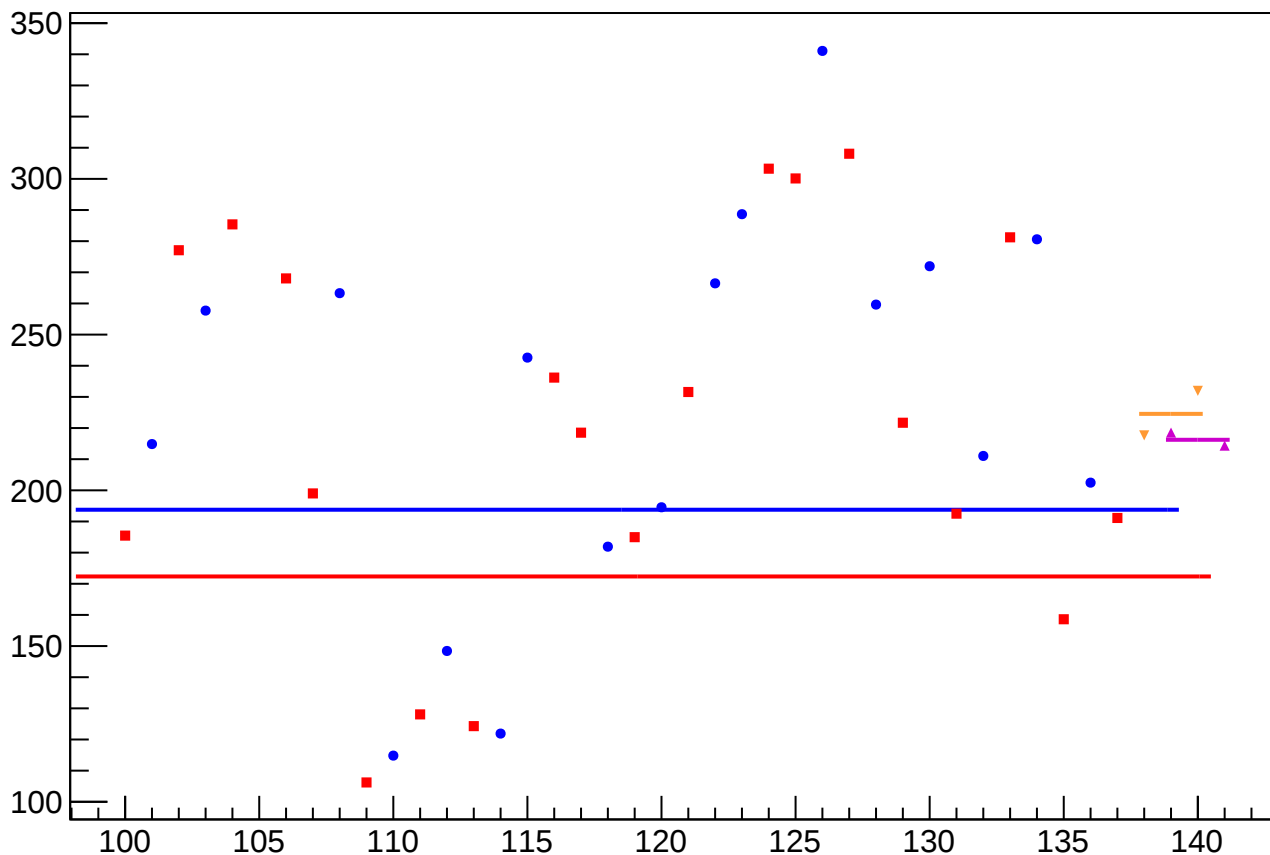
Right Out: 4.574+/-69.944 χ^2/NDF : 7.1/19

Left In: -225.439+/-174.139 χ^2/NDF : 0.7/1

68.619+/-73.040 χ^2/NDF : 7.9/18

-27.378+/-64.904 χ^2/NDF : 9.3/21

asym_bcm_an_ds_rms vs Slug



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 224.550+/-0.130 χ^2/NDF :3025.4/1

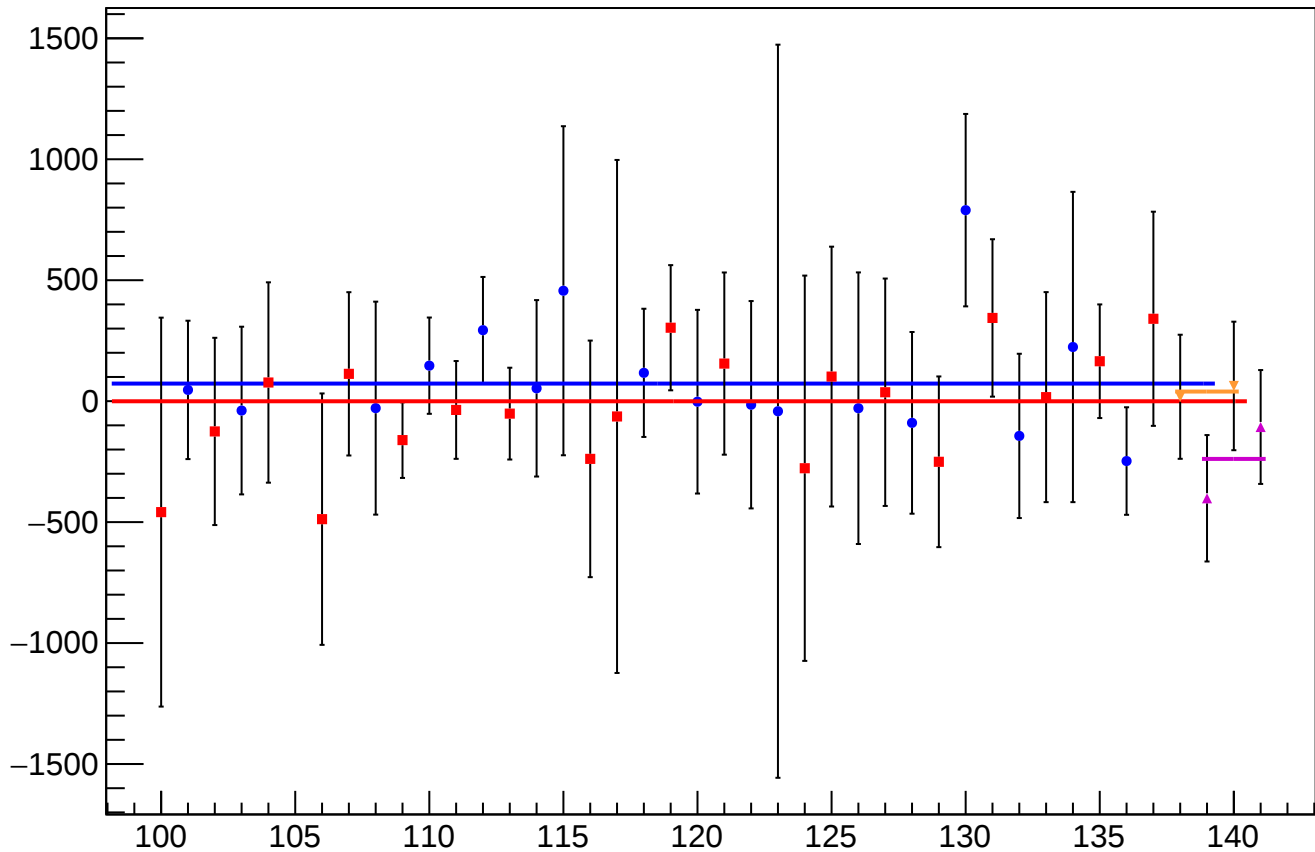
Right Out: 172.346+/-0.049 χ^2/NDF : 1583893.0/19

Left In: 216.229+/-0.123 χ^2/NDF :286.4/1

198.639+/-0.052 χ^2/NDF : 1067377.8/18

178.442+/-0.046 χ^2/NDF : 1693539.5/21

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 39.747+/-184.502 χ^2/NDF : 0.0/1

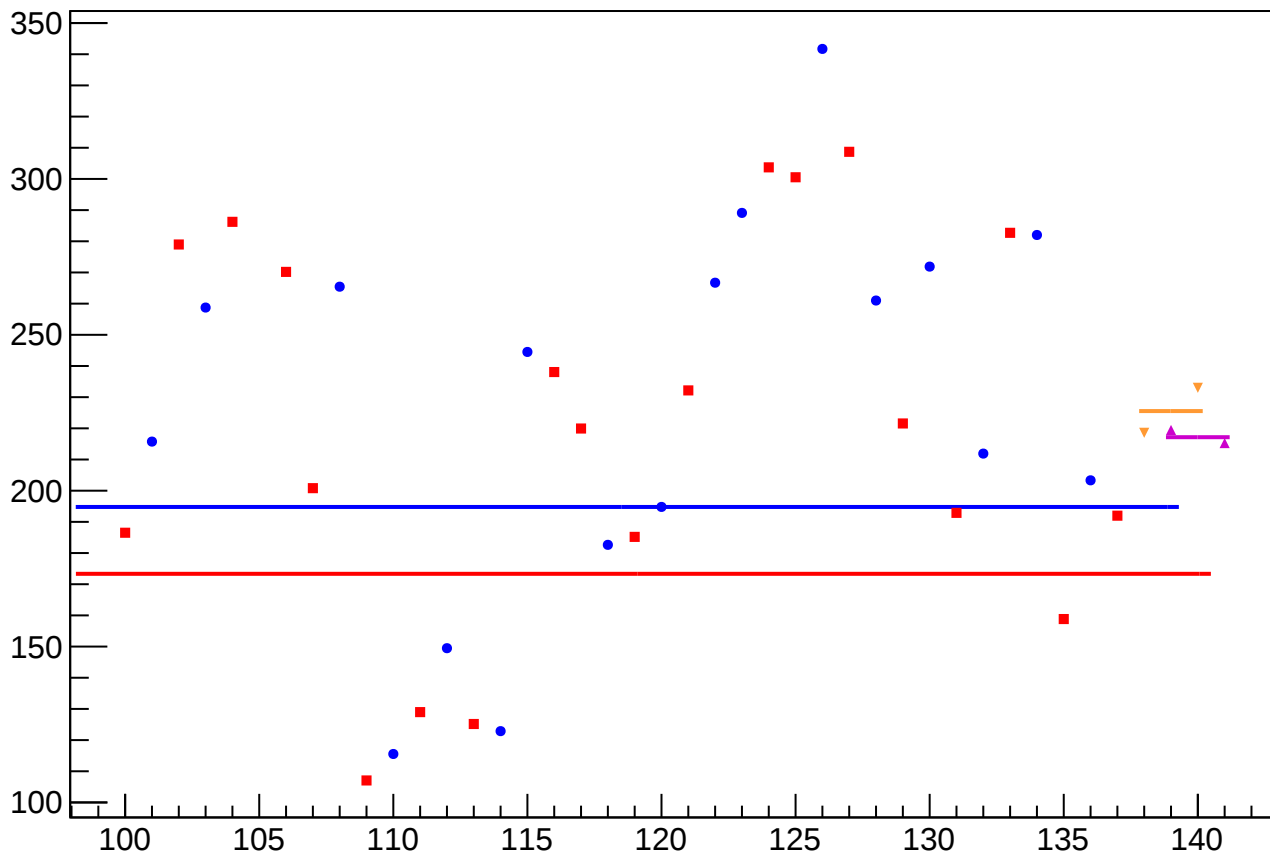
Right Out: -0.459+/-70.312 χ^2/NDF : 7.3/19

Left In: -238.771+/-174.892 χ^2/NDF : 0.7/1

67.465+/-73.391 χ^2/NDF : 7.8/18

-33.617+/-65.237 χ^2/NDF : 9.6/21

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 225.538 $\pm$ 0.130 χ^2 /NDF:3057.5/1

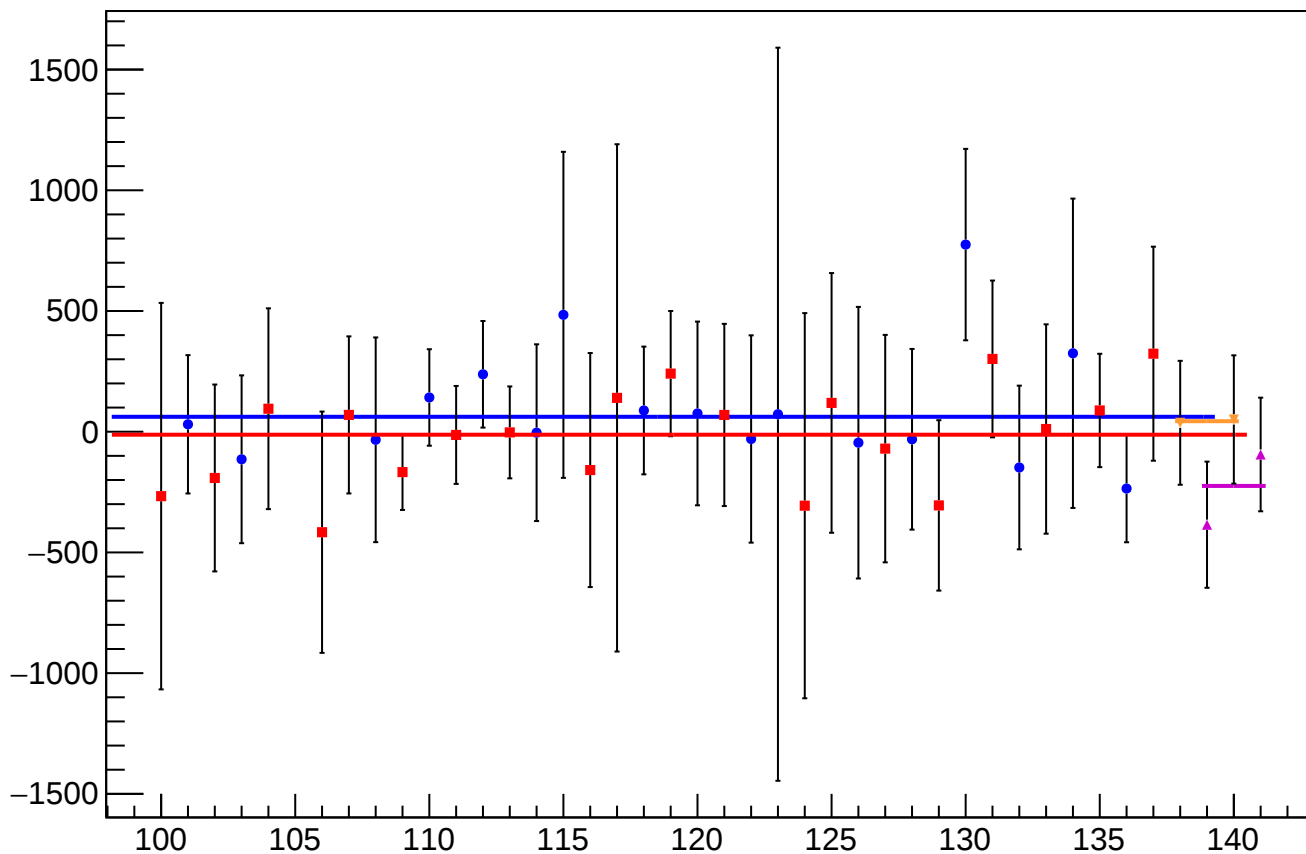
Right Out: 173.337 $\pm$ 0.050 χ^2 /NDF: 1571436.7/19

Left In: 217.160 $\pm$ 0.124 χ^2 /NDF:287.3/1

199.649 $\pm$ 0.052 χ^2 /NDF: 1058133.0/18

179.435 $\pm$ 0.046 χ^2 /NDF: 1679822.6/21

asym_bcm_an_us_mean vs Slug



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 43.554+/-184.611 χ^2/NDF : 0.0/1

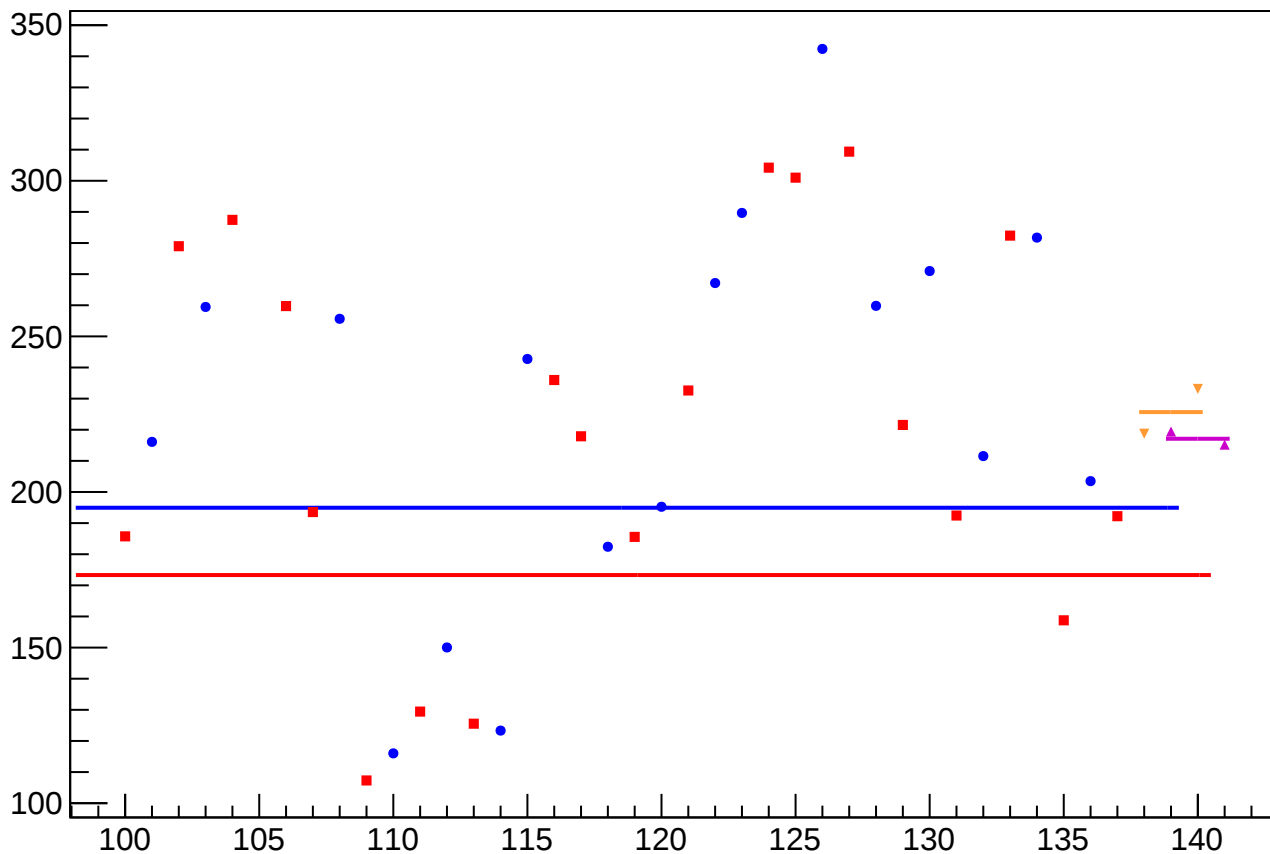
Right Out: -12.417+/-70.233 χ^2/NDF : 5.8/19

Left In: -224.559+/-174.845 χ^2/NDF : 0.7/1

58.928+/-73.394 χ^2/NDF : 7.3/18

-41.891+/-65.172 χ^2/NDF : 7.7/21

asym_bcm_an_us_rms vs Slug



Right In: 194.939+/-0.057 χ^2/NDF : 986629.1/16

Left Out: 225.671+/-0.131 χ^2/NDF :3037.1/1

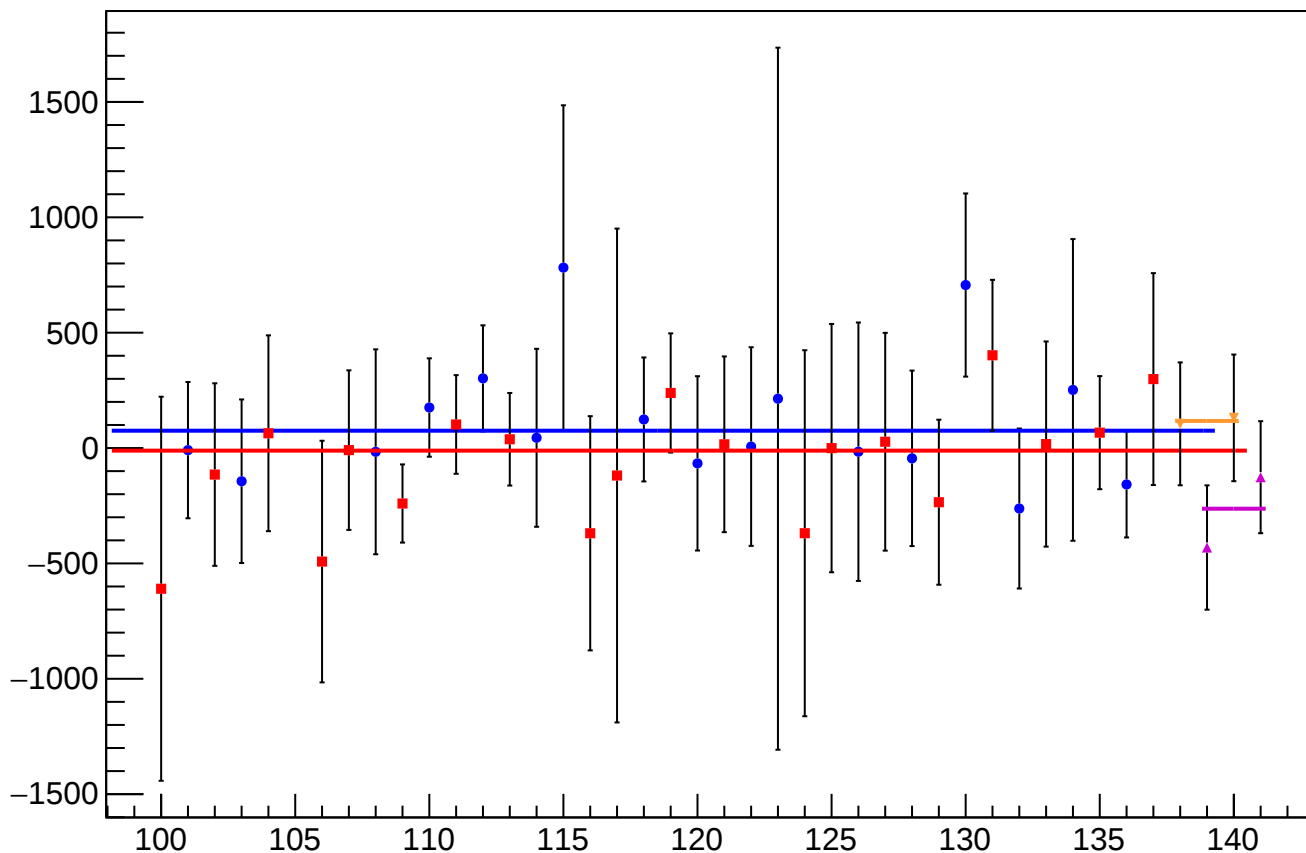
Right Out: 173.309+/-0.050 χ^2/NDF : 1548342.3/19

Left In: 217.105+/-0.124 χ^2/NDF :287.2/1

199.796+/-0.052 χ^2/NDF : 1036331.9/18

179.394+/-0.046 χ^2/NDF : 1656682.0/21

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 117.466 $\pm$ 191.093 χ^2 /NDF: 0.0/1

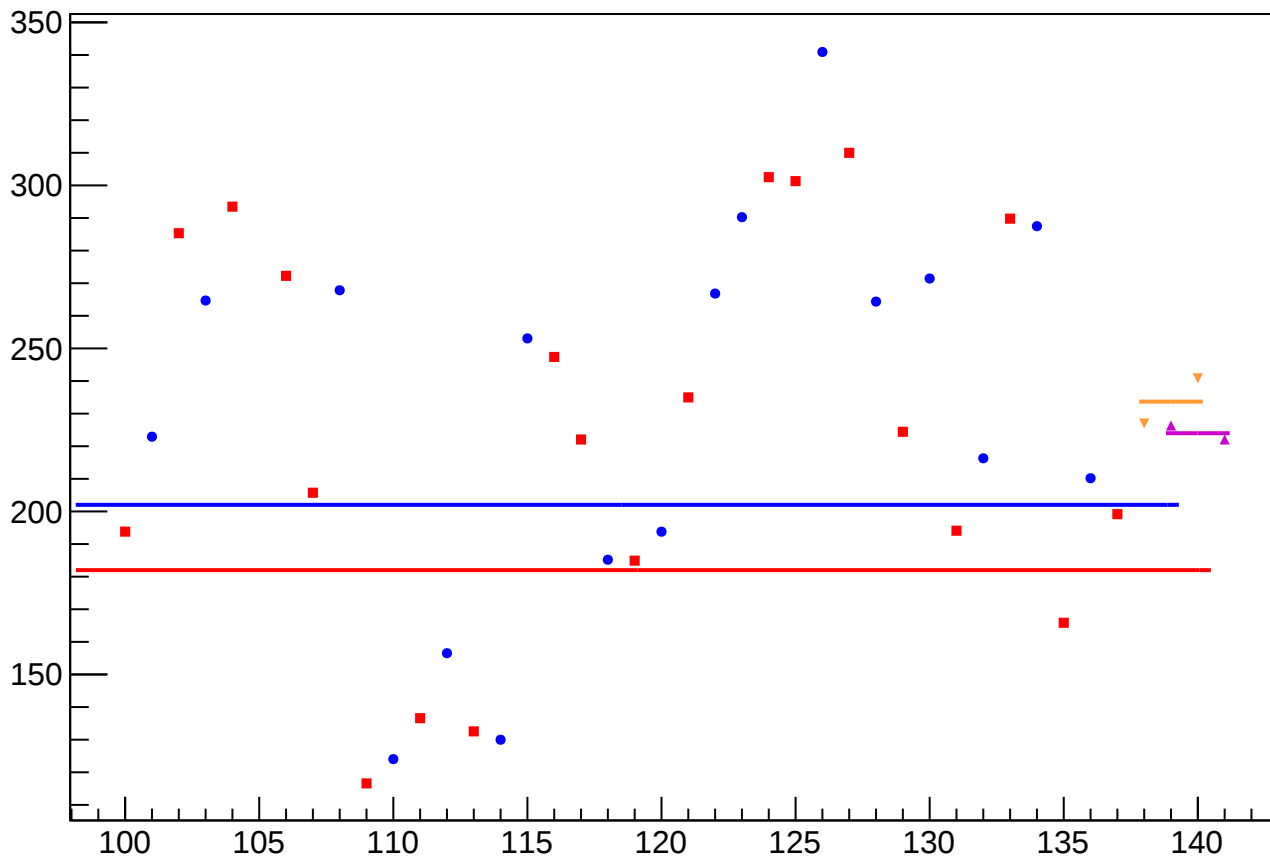
Right Out: -11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

Left In: -262.897 $\pm$ 180.330 χ^2 /NDF: 0.7/1

81.846 $\pm$ 75.746 χ^2 /NDF: 7.7/18

-46.761 $\pm$ 67.798 χ^2 /NDF: 10.2/21

asym_bcm_dg_us_rms vs Slug



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 233.686+/-0.135 χ^2/NDF :2623.3/1

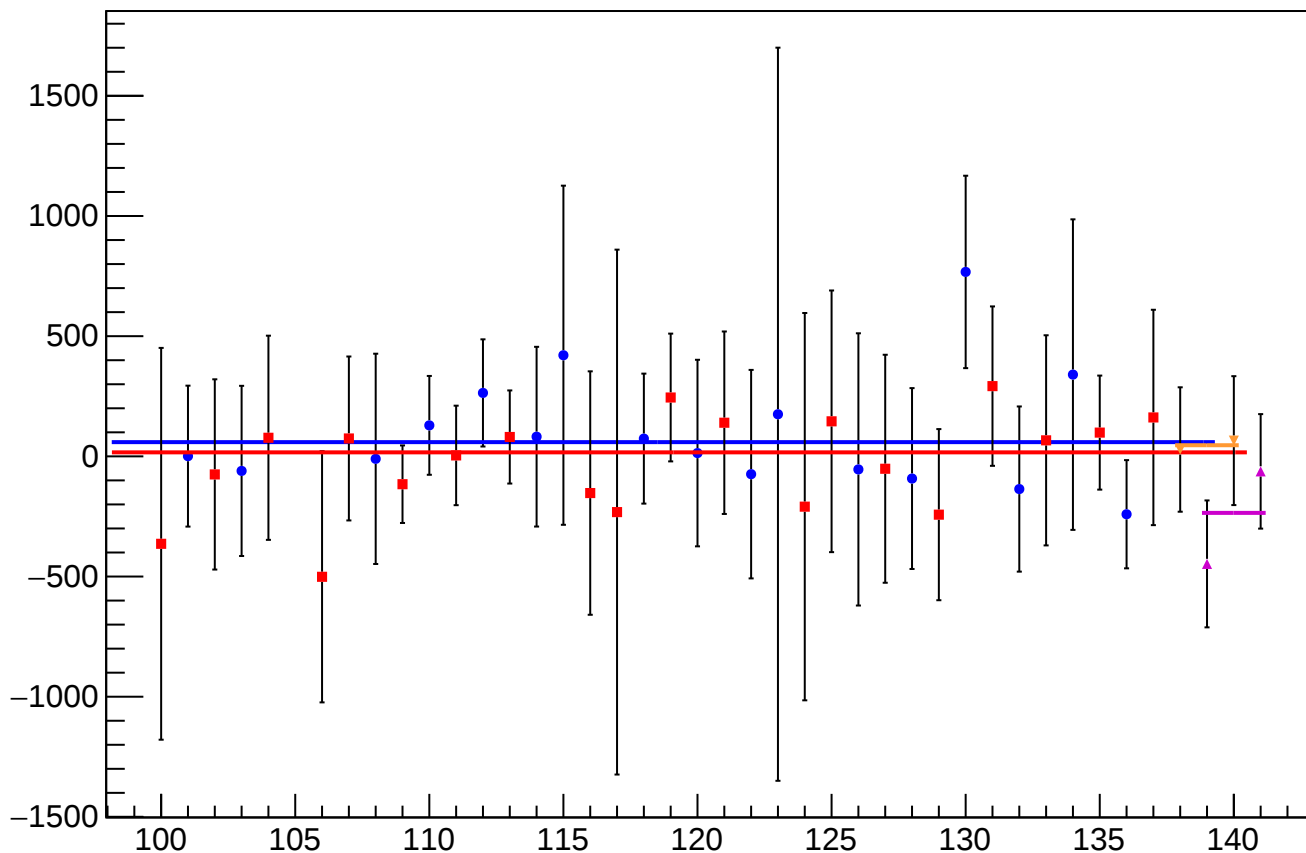
Right Out: 182.000+/-0.052 χ^2/NDF : 1380354.3/19

Left In: 223.994+/-0.128 χ^2/NDF :278.6/1

207.003+/-0.054 χ^2/NDF : 930496.6/18

187.936+/-0.048 χ^2/NDF : 1473765.8/21

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 46.323+/-186.229 χ^2/NDF : 0.0/1

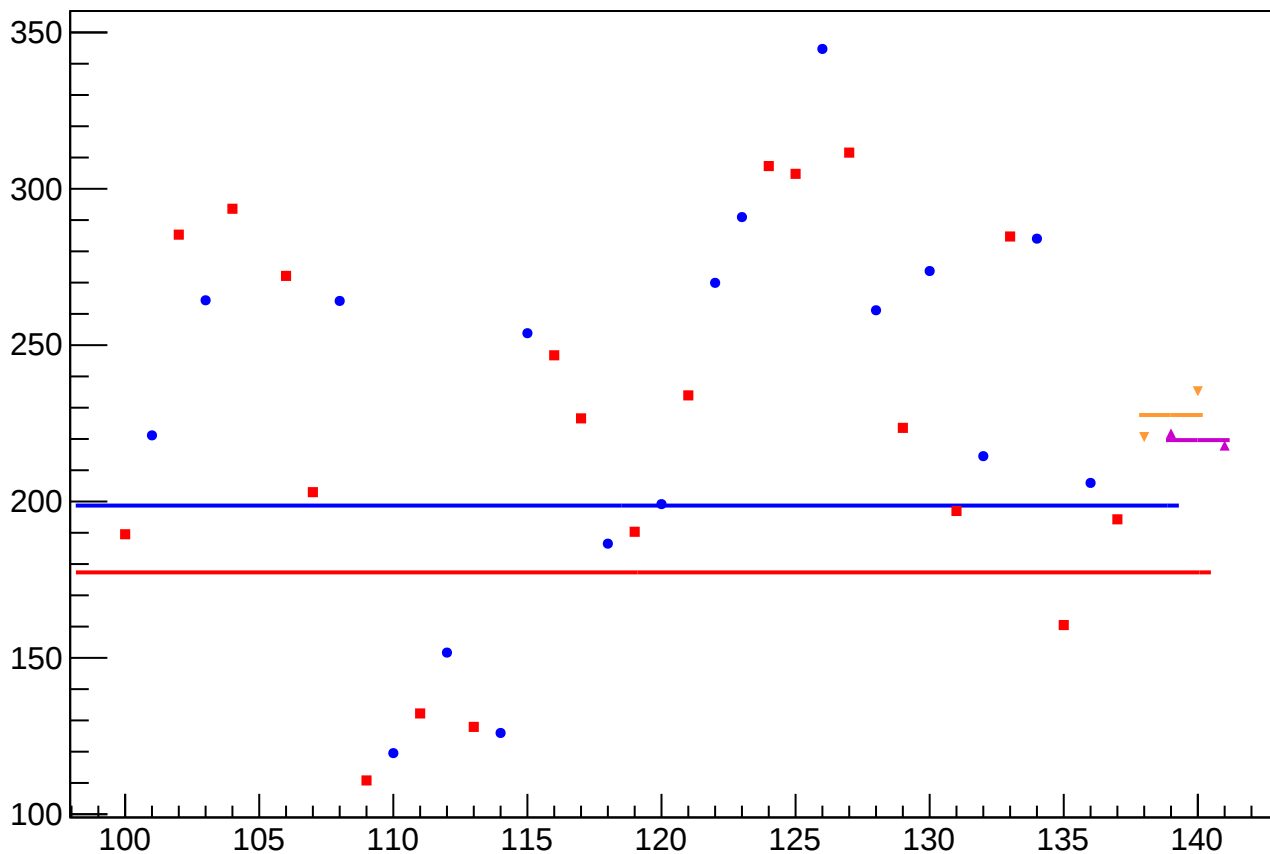
Right Out: 16.650+/-71.745 χ^2/NDF : 4.7/19

Left In: -235.167+/-176.862 χ^2/NDF : 1.2/1

57.113+/-74.599 χ^2/NDF : 7.2/18

-18.932+/-66.483 χ^2/NDF : 7.6/21

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704+/-0.058 χ^2/NDF : 963394.4/16

Left Out: 227.664+/-0.132 χ^2/NDF :3085.3/1

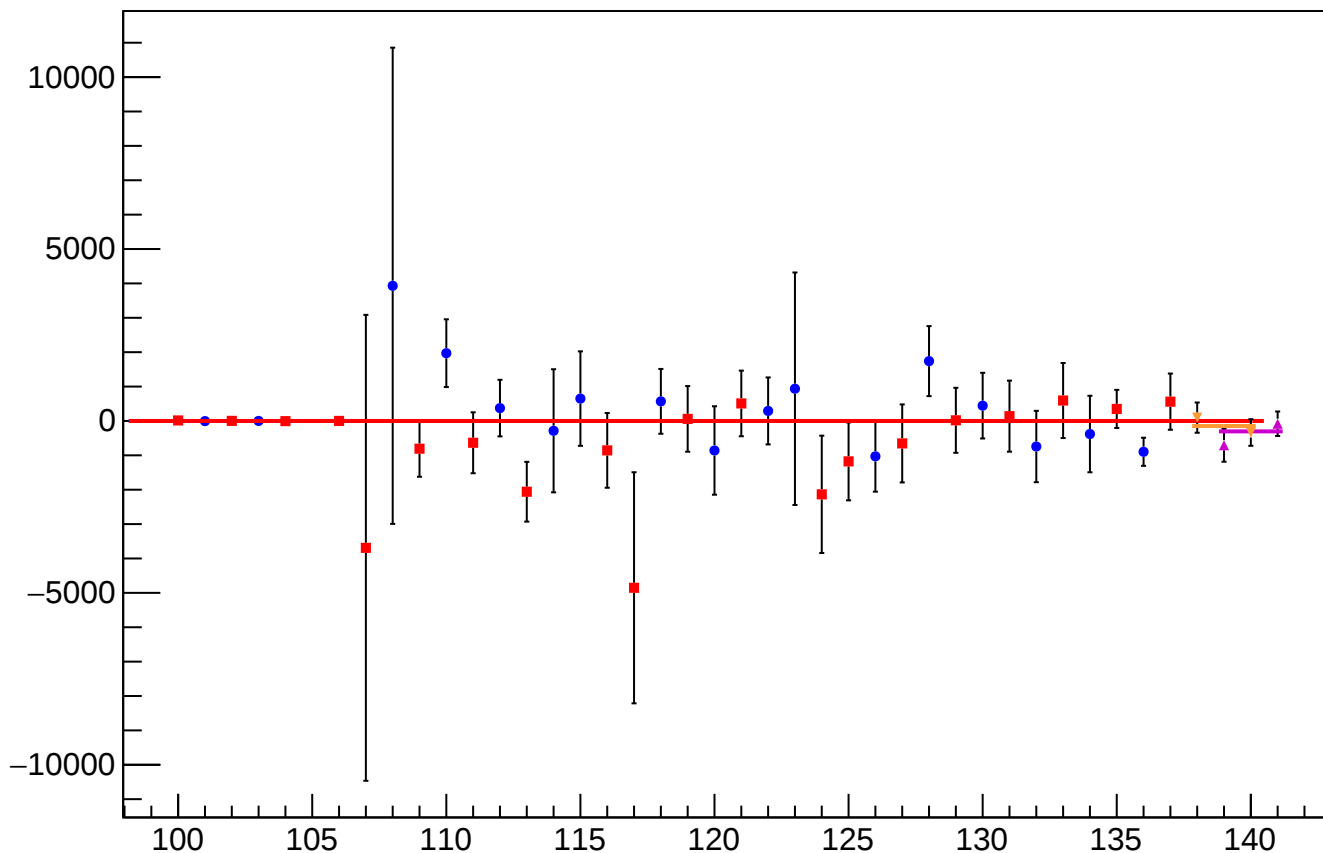
Right Out: 177.338+/-0.051 χ^2/NDF : 1528976.8/19

Left In: 219.637+/-0.125 χ^2/NDF :238.1/1

203.351+/-0.053 χ^2/NDF : 1007086.1/18

183.315+/-0.047 χ^2/NDF : 1627448.0/21

asym_cav4bQ_mean vs Slug



Right In: -1.529+/-2.251 χ^2/NDF : 16.6/16

Left Out: -147.099+/-290.514 χ^2/NDF : 0.5/1

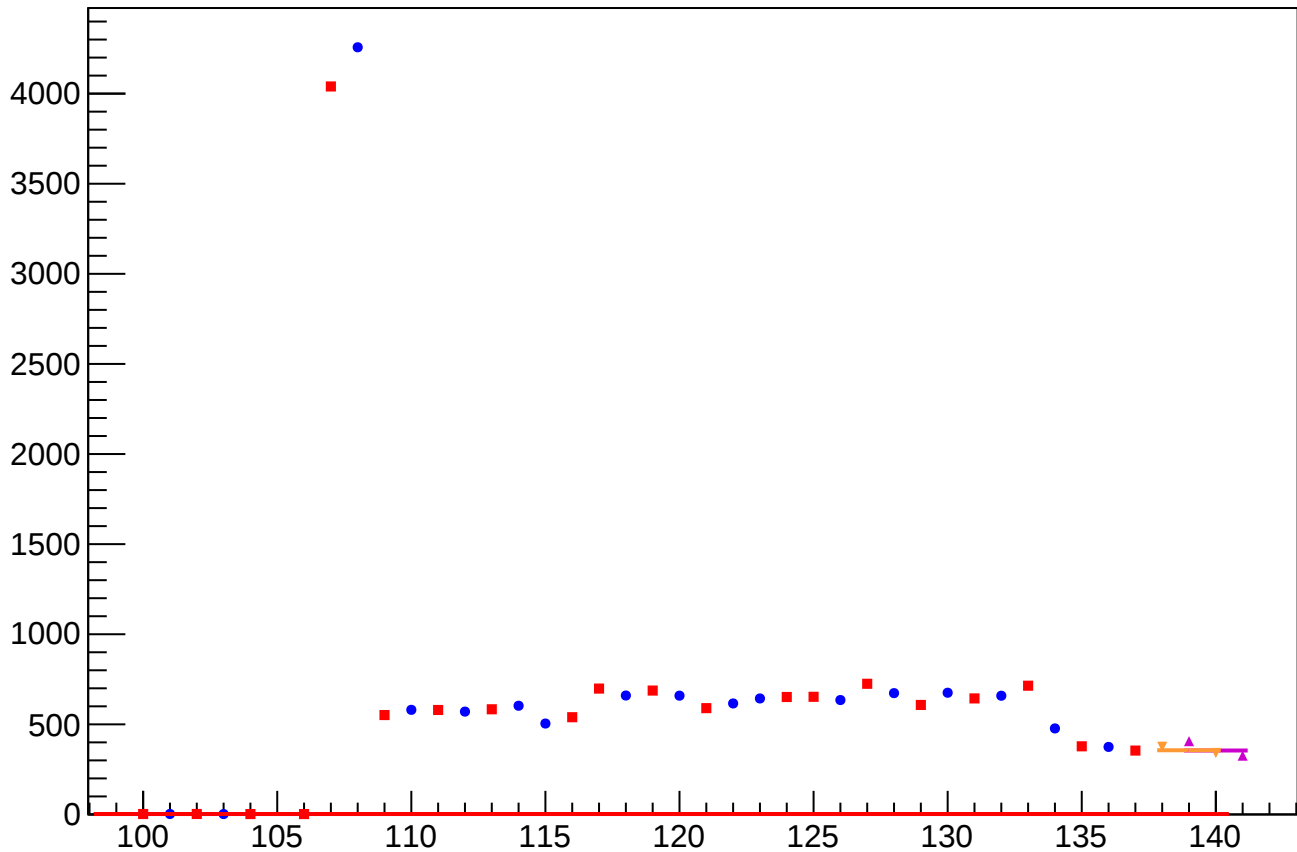
Right Out: -0.733+/-2.111 χ^2/NDF : 20.5/19

Left In: -303.443+/-285.972 χ^2/NDF : 1.1/1

-1.538+/-2.251 χ^2/NDF : 17.4/18

-0.750+/-2.111 χ^2/NDF : 22.7/21

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 356.226+/-0.205 χ^2/NDF : 6986.6/1

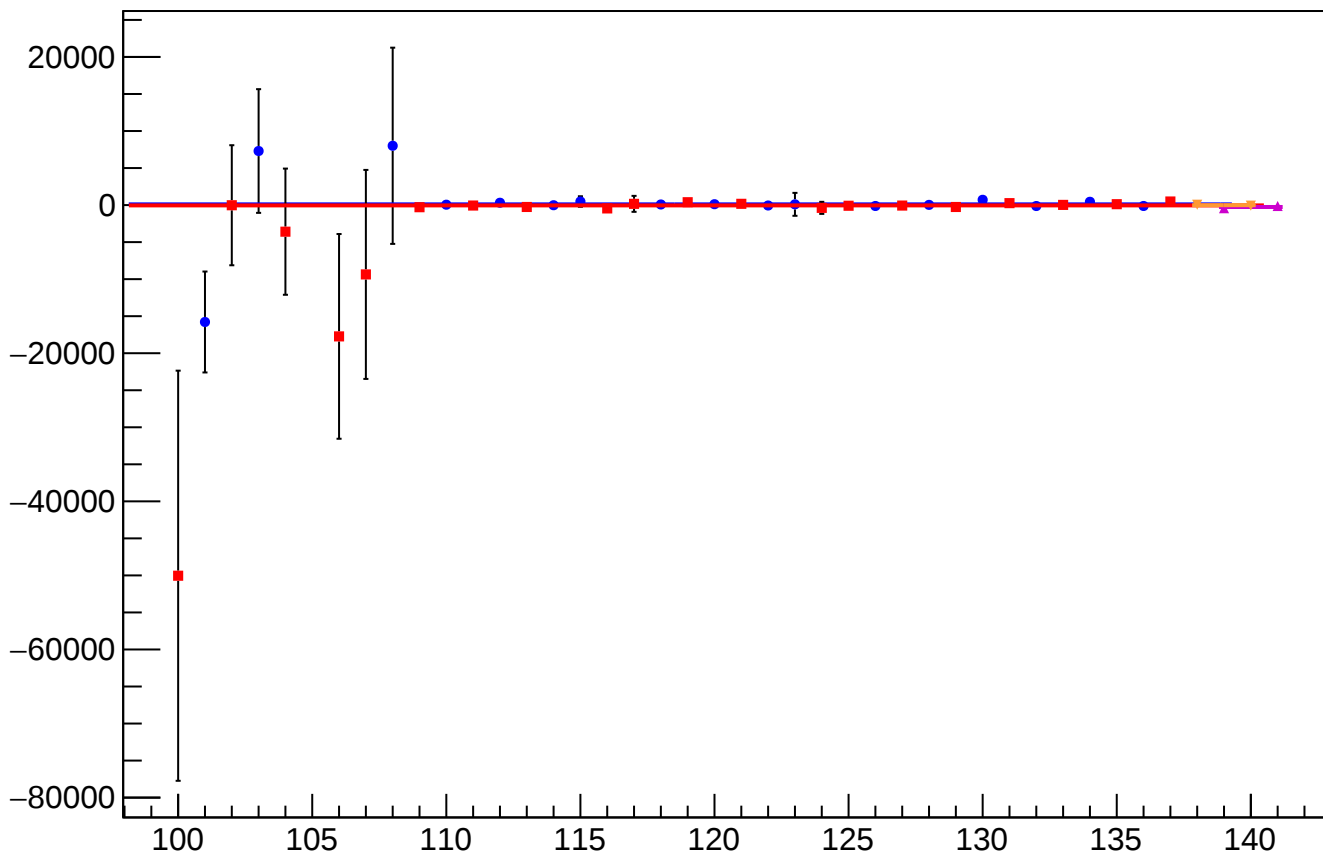
Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

Left In: 354.864+/-0.202 χ^2/NDF : 36228.2/1

2.477+/-0.002 χ^2/NDF : 13678920.7/18

2.456+/-0.001 χ^2/NDF : 14299597.5/21

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -12.970+/-184.598 χ^2/NDF : 0.1/1

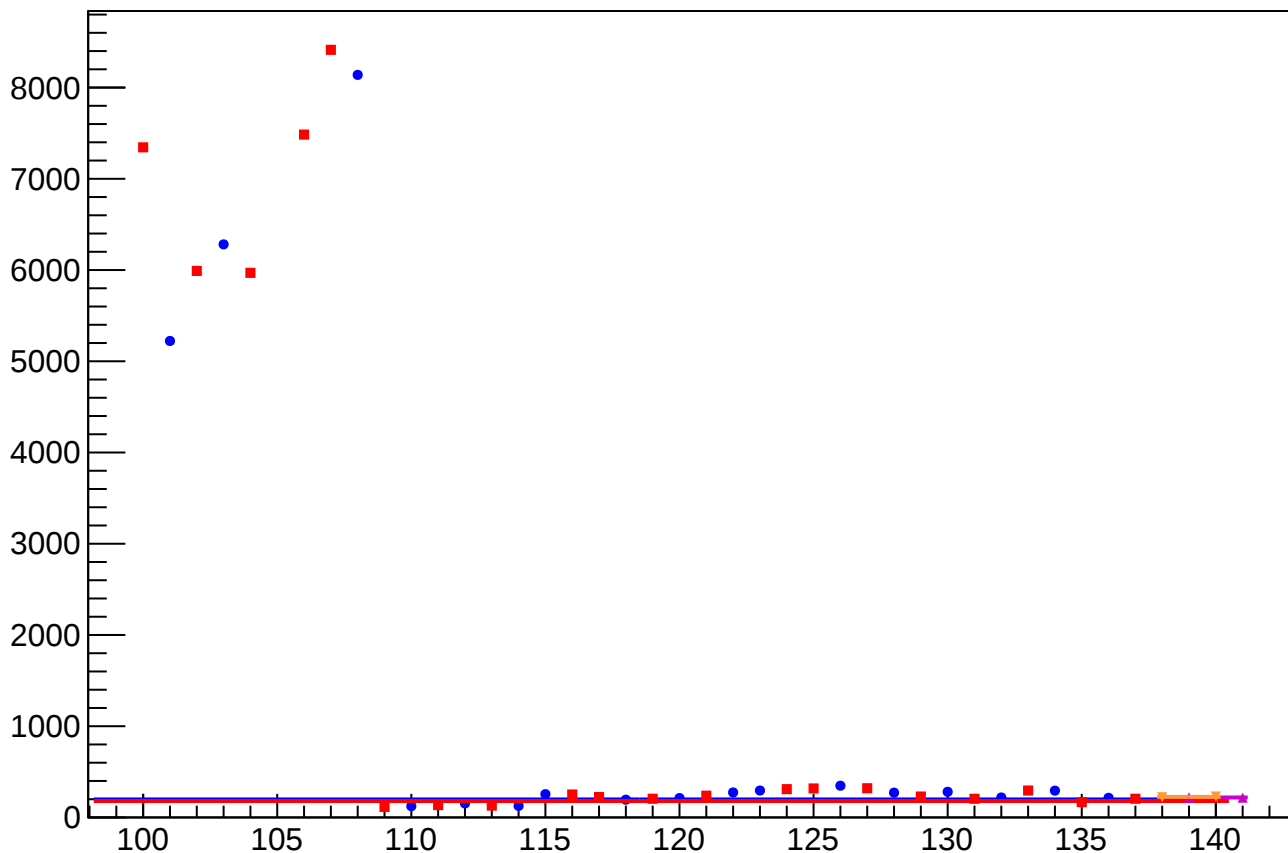
Right Out: -41.335+/-84.288 χ^2/NDF : 14.0/19

Left In: -257.500+/-176.434 χ^2/NDF : 0.7/1

73.910+/-82.131 χ^2/NDF : 12.4/18

-81.502+/-76.054 χ^2/NDF : 16.0/21

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 225.366+/-0.131 χ^2/NDF :1042.4/1

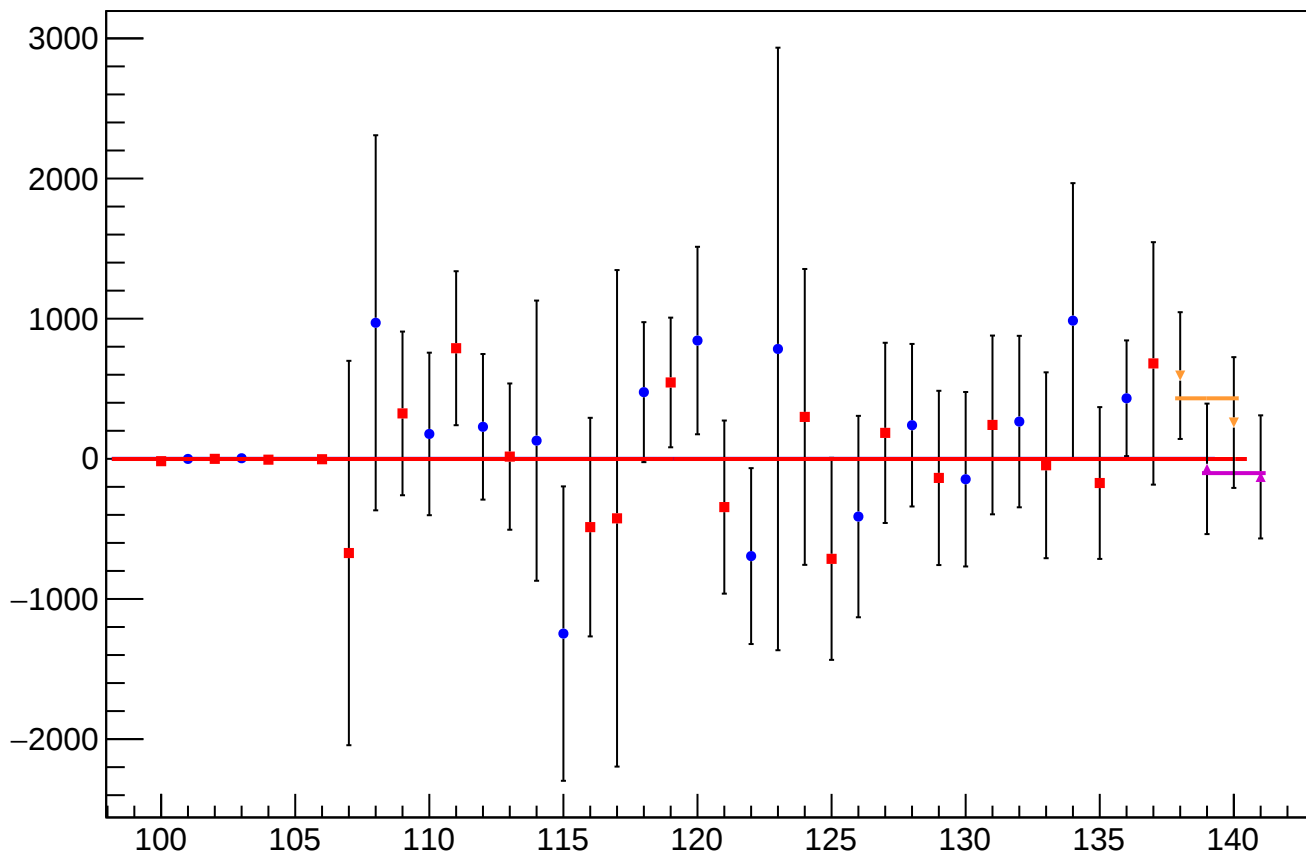
Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

Left In: 218.707+/-0.125 χ^2/NDF :136.6/1

202.954+/-0.058 χ^2/NDF : 3733649.4/18

187.396+/-0.054 χ^2/NDF : 4402183.1/21

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 431.656 ± 324.731 χ^2/NDF : 0.3/1

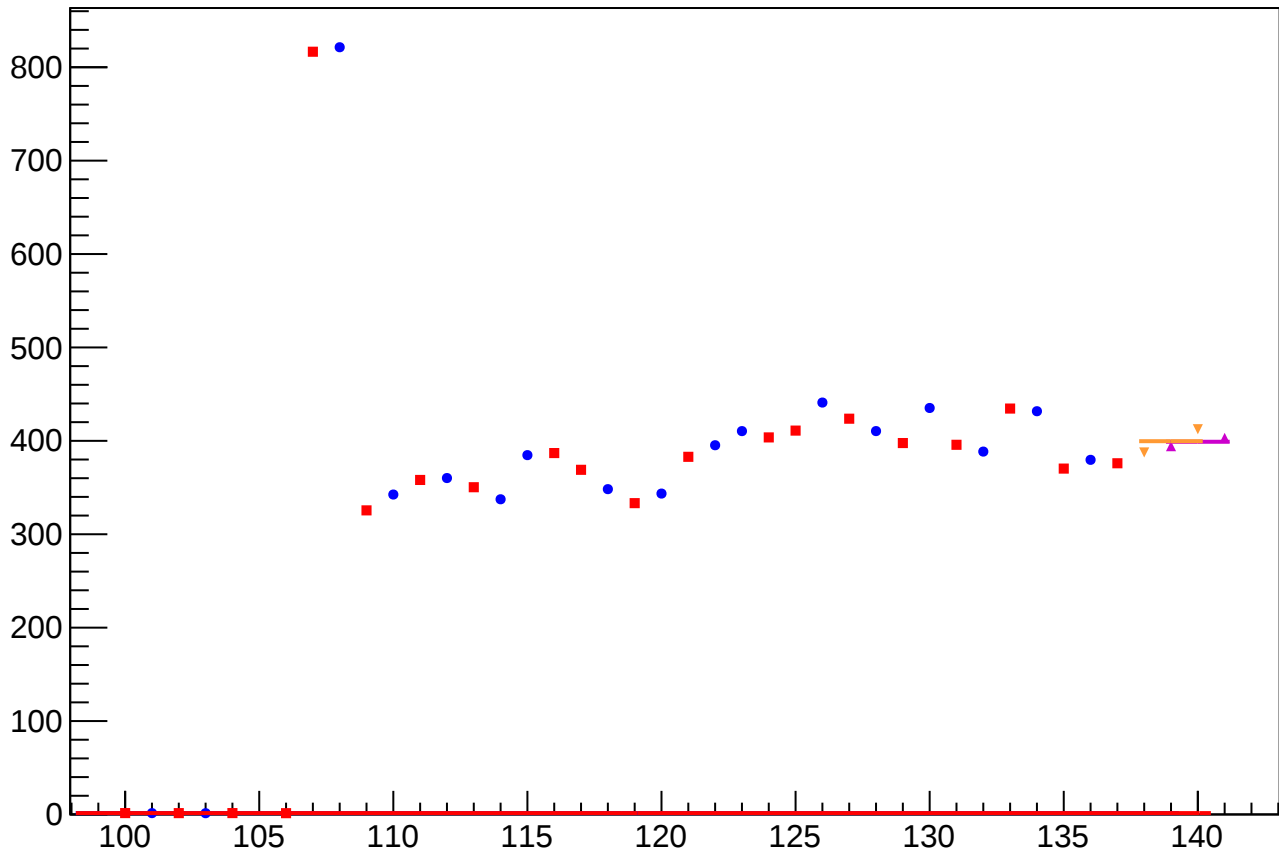
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.6/19

Left In: -101.958 ± 319.466 χ^2/NDF : 0.0/1

-0.127 ± 1.737 χ^2/NDF : 11.8/18

-1.327 ± 1.623 χ^2/NDF : 9.7/21

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 399.626+/-0.230 χ^2/NDF : 2927.4/1

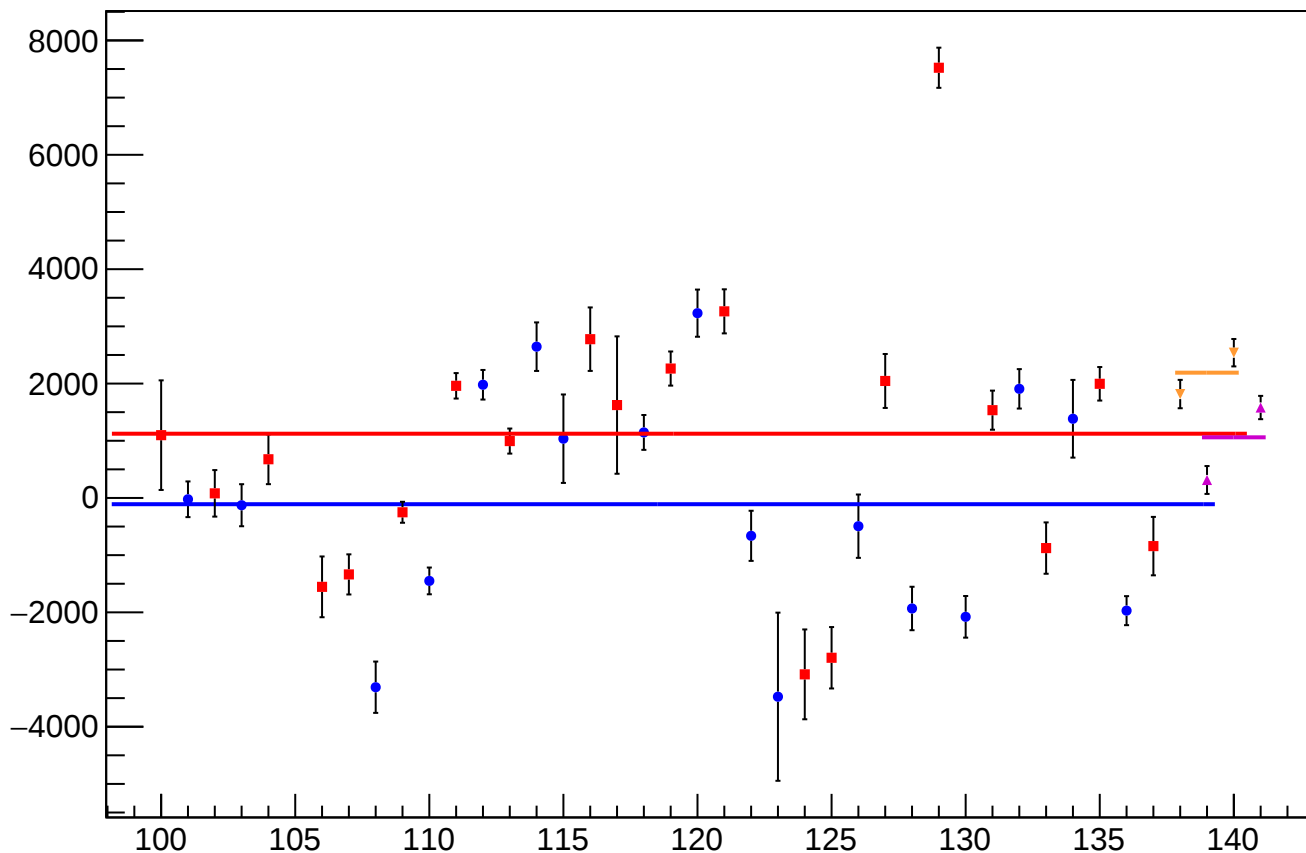
Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

Left In: 399.010+/-0.226 χ^2/NDF : 388.9/1

1.464+/-0.001 χ^2/NDF : 13825710.3/18

1.462+/-0.001 χ^2/NDF : 14057247.4/21

asym_bcm0l02_mean vs Slug



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 2190.682+/-172.348 χ^2/NDF : 4.4/1

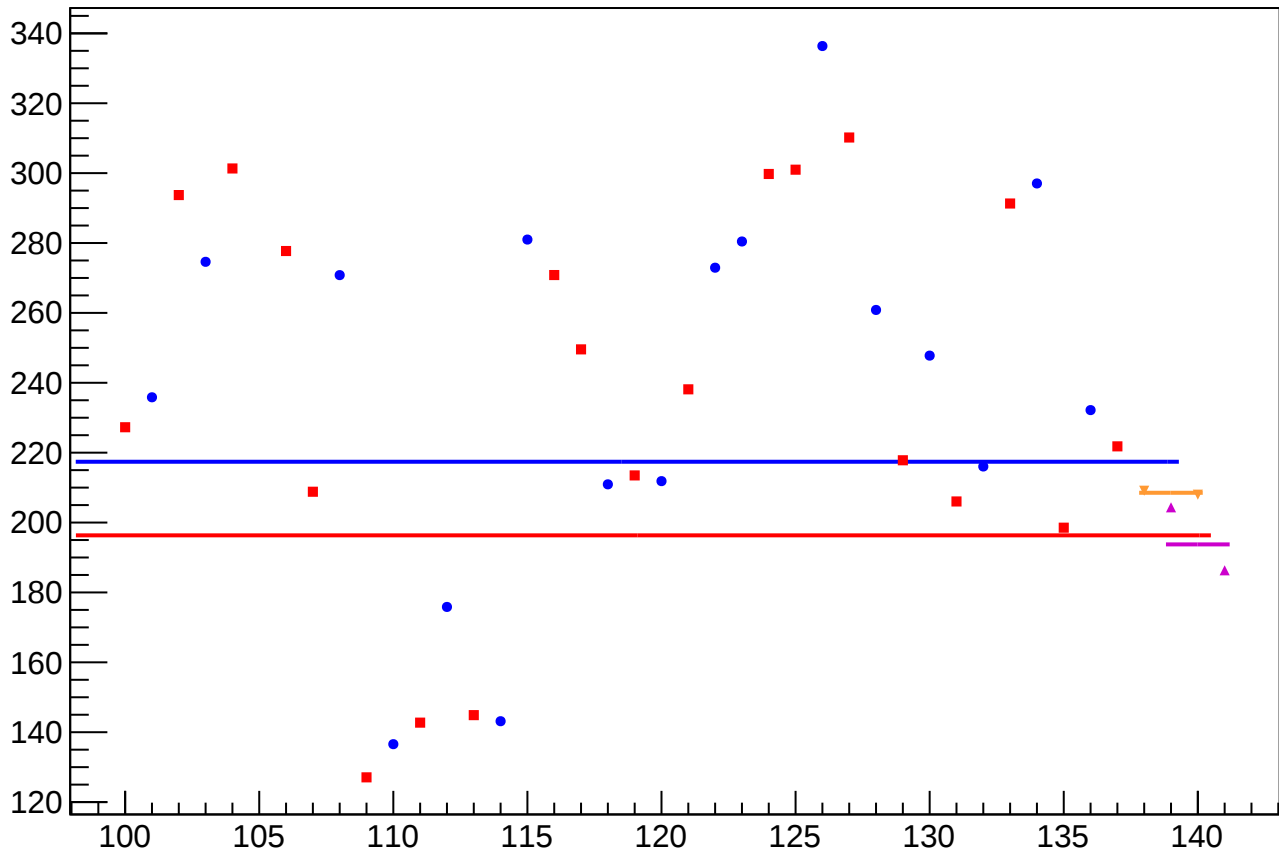
Right Out: 1123.337+/-78.230 χ^2/NDF : 670.2/19

Left In: 1060.122+/-156.281 χ^2/NDF : 15.9/1

366.052+/-78.347 χ^2/NDF : 574.0/18

1110.671+/-69.955 χ^2/NDF : 686.3/21

asym_bcm0l02_rms vs Slug



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 208.522+/-0.122 χ^2/NDF :21.4/1

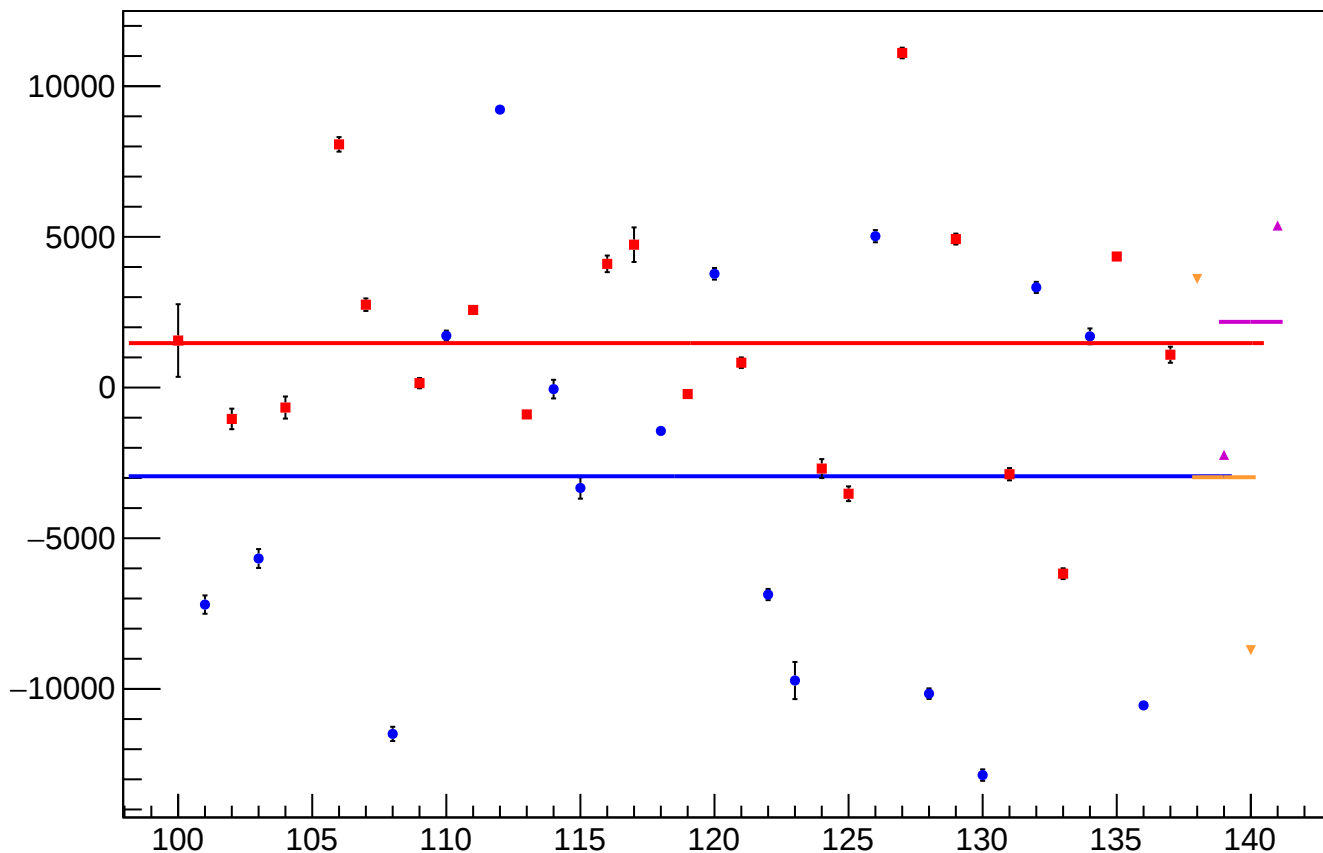
215.568+/-0.055 χ^2/NDF : 656866.9/18

Right Out: 196.339+/-0.055 χ^2/NDF : 1194805.7/19

195.820+/-0.049 χ^2/NDF : 1201687.5/21

Left In: 193.749+/-0.111 χ^2/NDF :6442.7/1

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 χ^2/NDF : 20909.8/16

Left Out: -2975.458 ± 95.574 χ^2/NDF : 4134.3/1

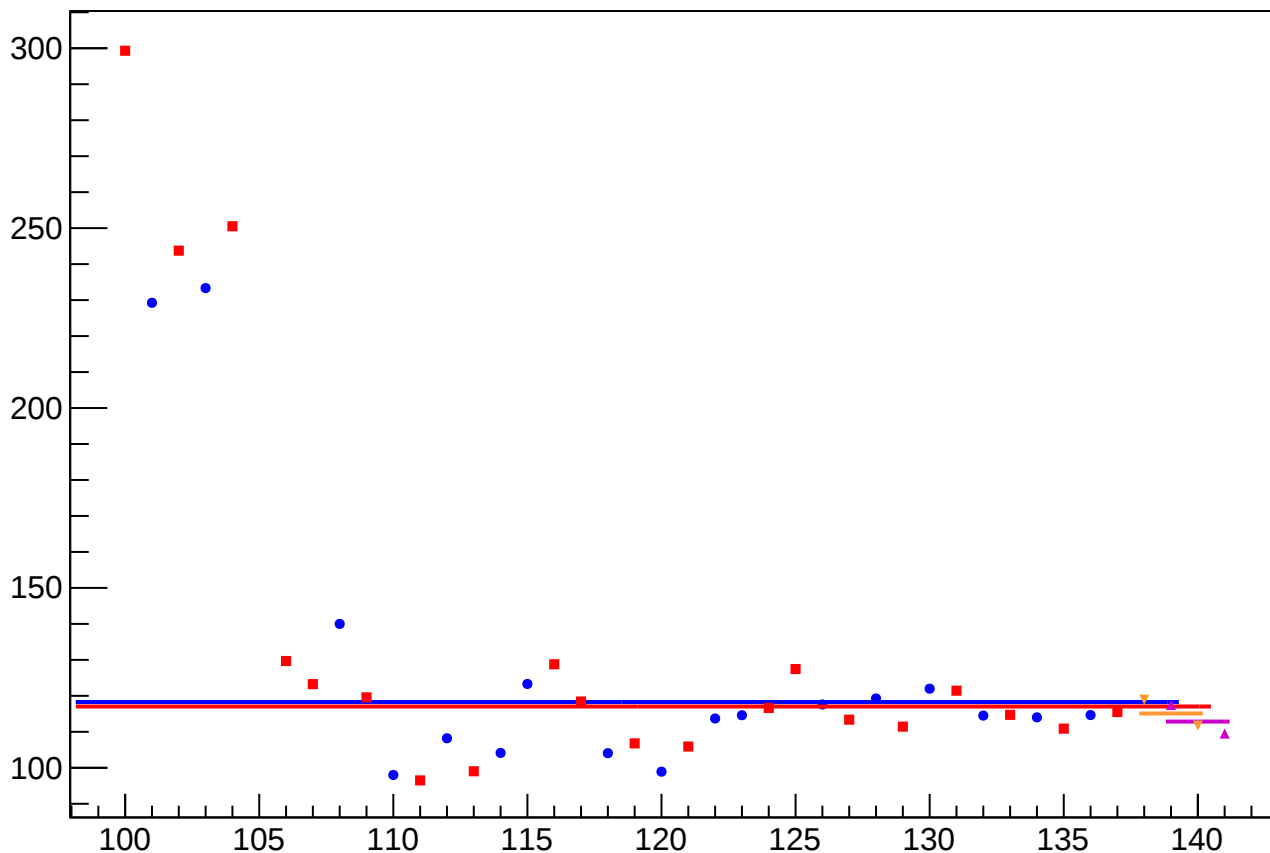
Right Out: 1474.497 ± 46.252 χ^2/NDF : 8028.6/19

Left In: 2179.814 ± 92.048 χ^2/NDF : 1664.6/1

-2949.769 ± 43.329 χ^2/NDF : 25044.2/18

1616.682 ± 41.328 χ^2/NDF : 9740.1/21

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 115.101+/-0.068 χ^2/NDF : 2826.2/1

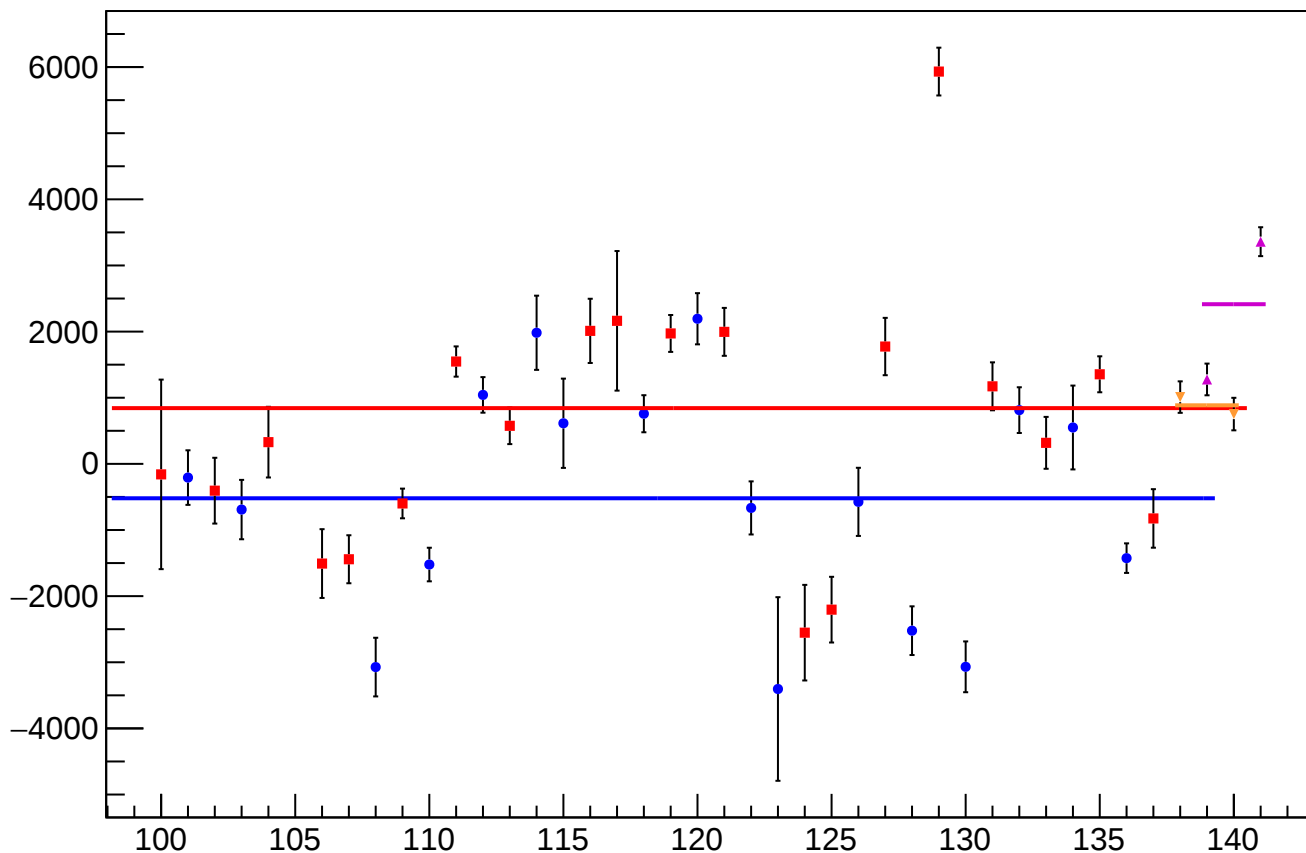
Right Out: 117.040+/-0.033 χ^2/NDF : 690873.1/19

Left In: 112.850+/-0.065 χ^2/NDF : 3612.6/1

117.631+/-0.031 χ^2/NDF : 641508.5/18

116.196+/-0.029 χ^2/NDF : 697795.3/21

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 $\chi^2/\text{NDF}: 288.1/16$

Left Out: 885.424 ± 170.999 $\chi^2/\text{NDF}: 0.6/1$

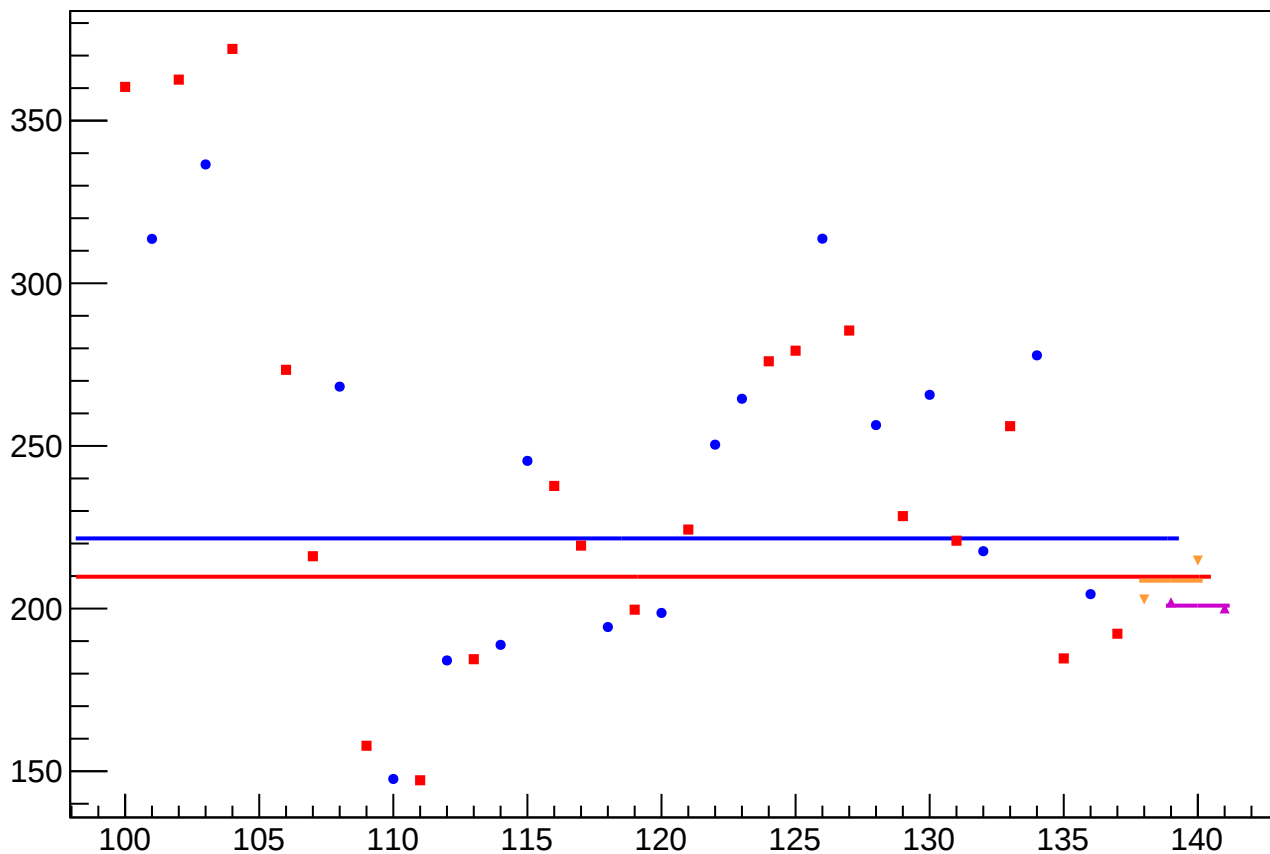
Right Out: 842.858 ± 82.024 $\chi^2/\text{NDF}: 436.3/19$

Left In: 2414.192 ± 161.458 $\chi^2/\text{NDF}: 41.3/1$

-219.368 ± 79.115 $\chi^2/\text{NDF}: 341.8/18$

1165.206 ± 73.129 $\chi^2/\text{NDF}: 552.8/21$

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 208.581 $\pm$ 0.121 χ^2 /NDF:2447.3/1

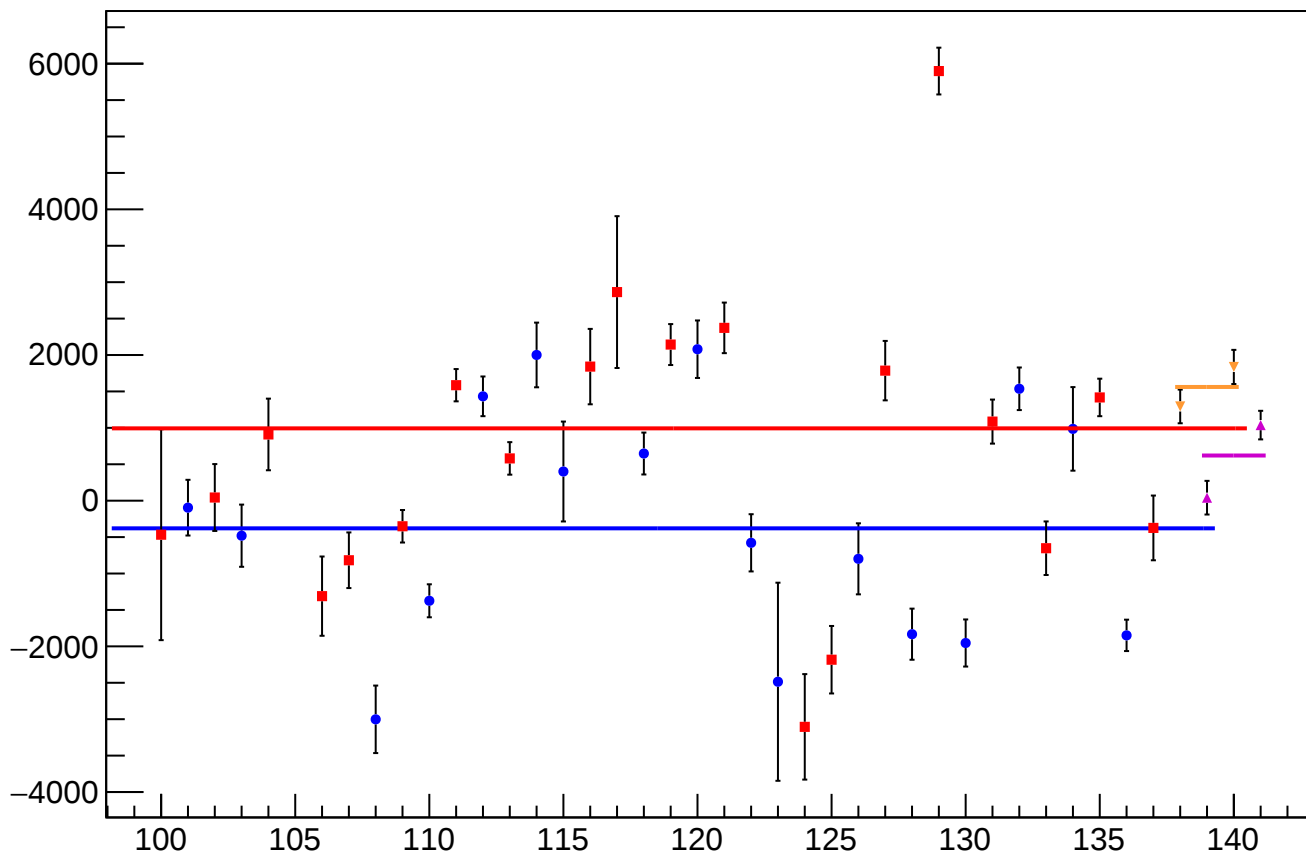
Right Out: 209.794 $\pm$ 0.058 χ^2 /NDF: 884087.4/19

Left In: 200.909 $\pm$ 0.114 χ^2 /NDF:68.0/1

218.789 $\pm$ 0.056 χ^2 /NDF: 656458.2/18

207.971 $\pm$ 0.052 χ^2 /NDF: 888970.1/21

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1561.344 ± 164.702 χ^2/NDF : 2.7/1

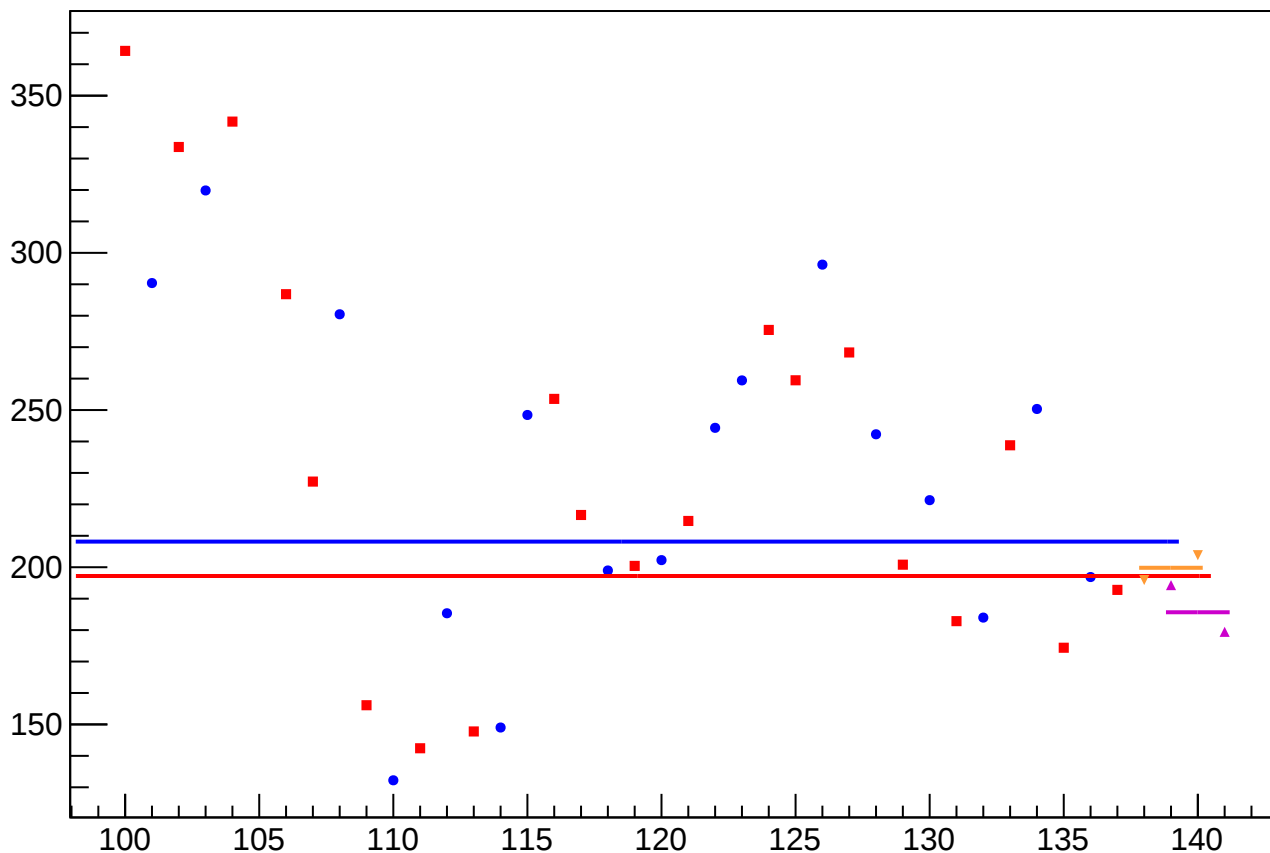
Right Out: 992.944 ± 77.509 χ^2/NDF : 479.5/19

Left In: 620.239 ± 149.564 χ^2/NDF : 10.8/1

22.977 ± 75.013 χ^2/NDF : 429.9/18

914.039 ± 68.817 χ^2/NDF : 495.2/21

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 199.824+/-0.116 χ^2/NDF :1149.2/1

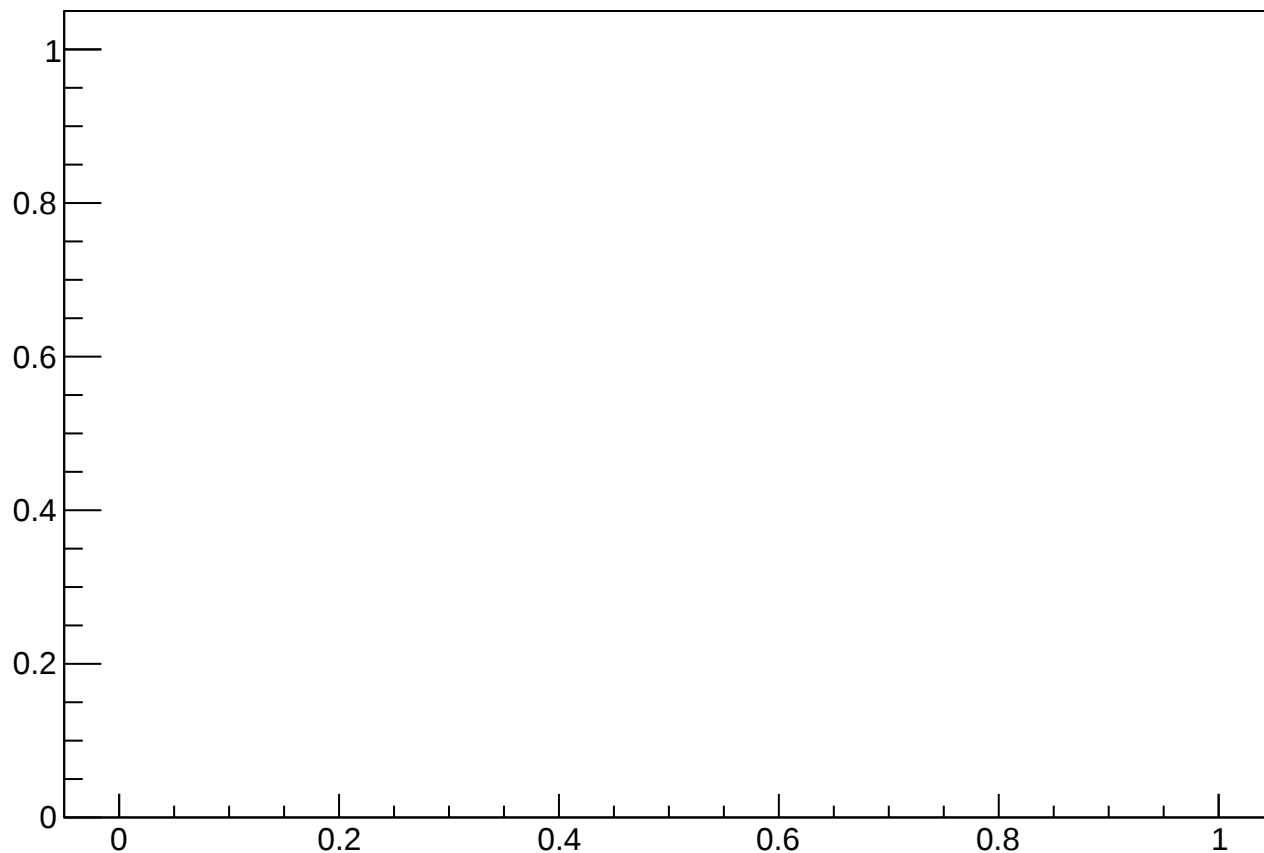
Right Out: 197.210+/-0.055 χ^2/NDF : 927165.0/19

Left In: 185.677+/-0.106 χ^2/NDF :4804.6/1

206.424+/-0.053 χ^2/NDF : 704284.6/18

194.769+/-0.049 χ^2/NDF : 941344.9/21

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

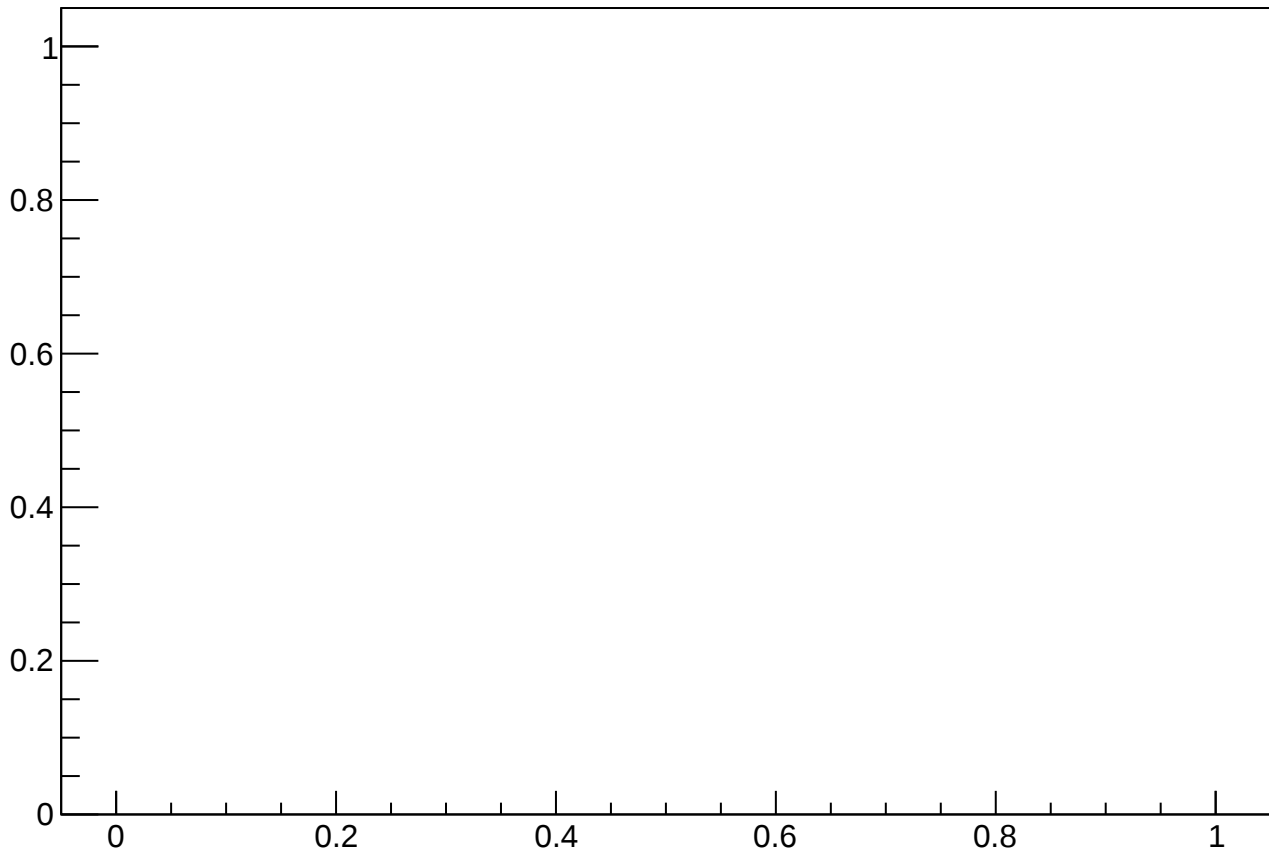
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

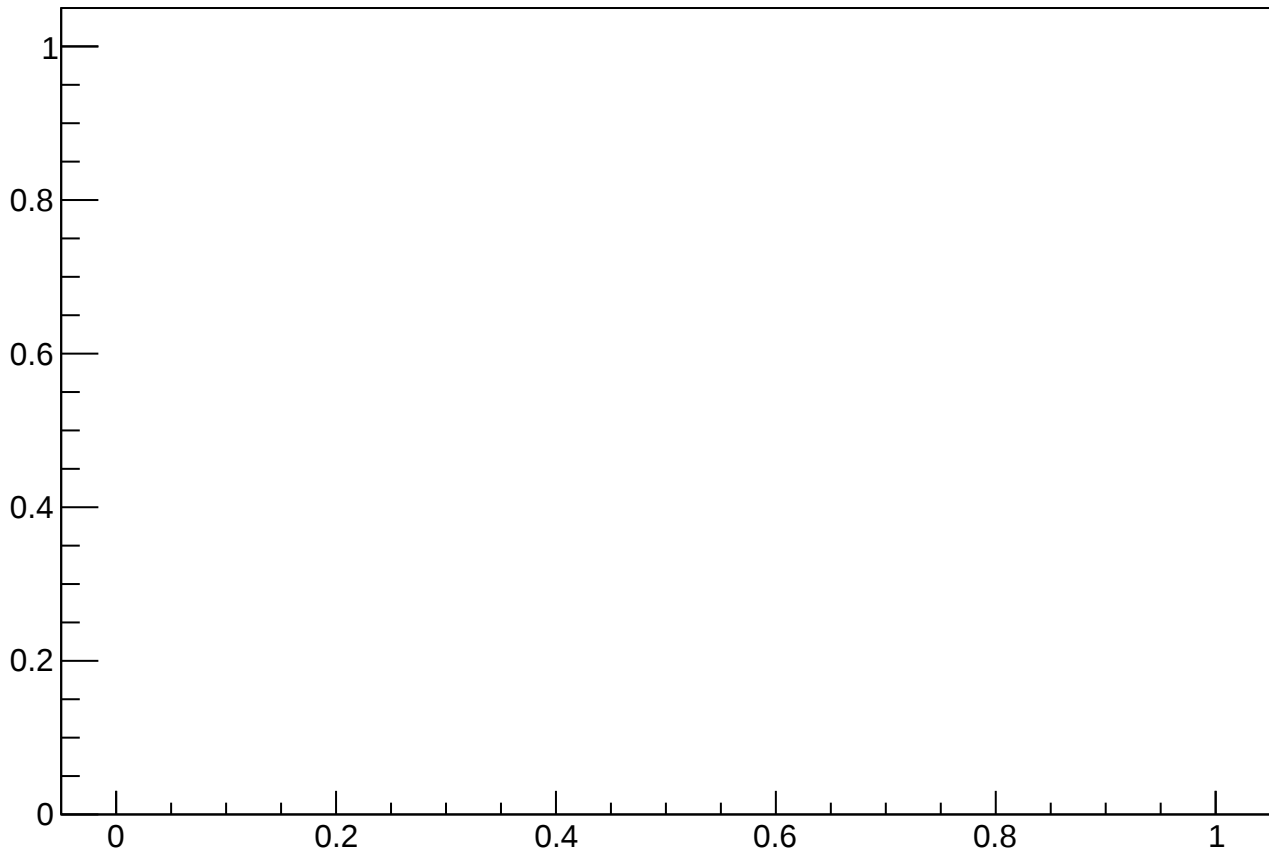
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

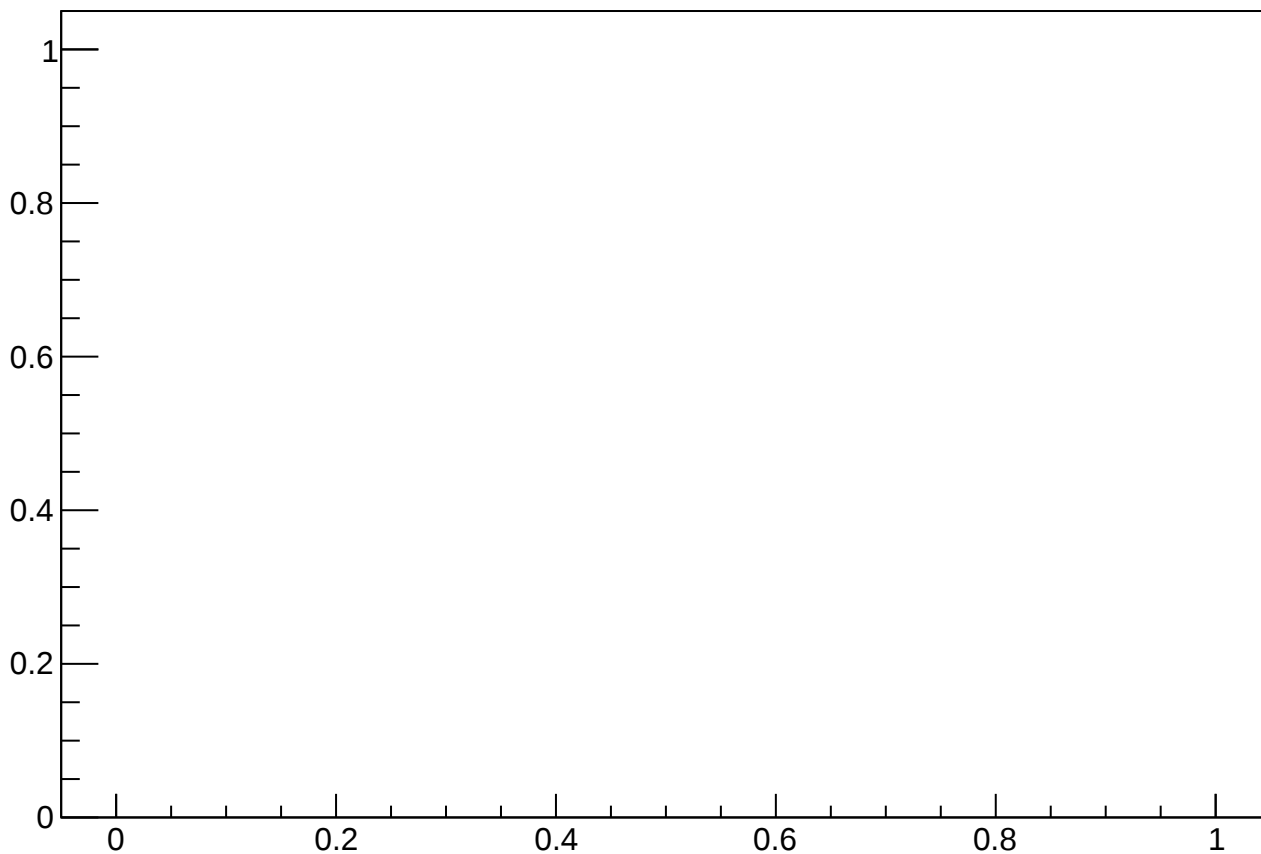
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

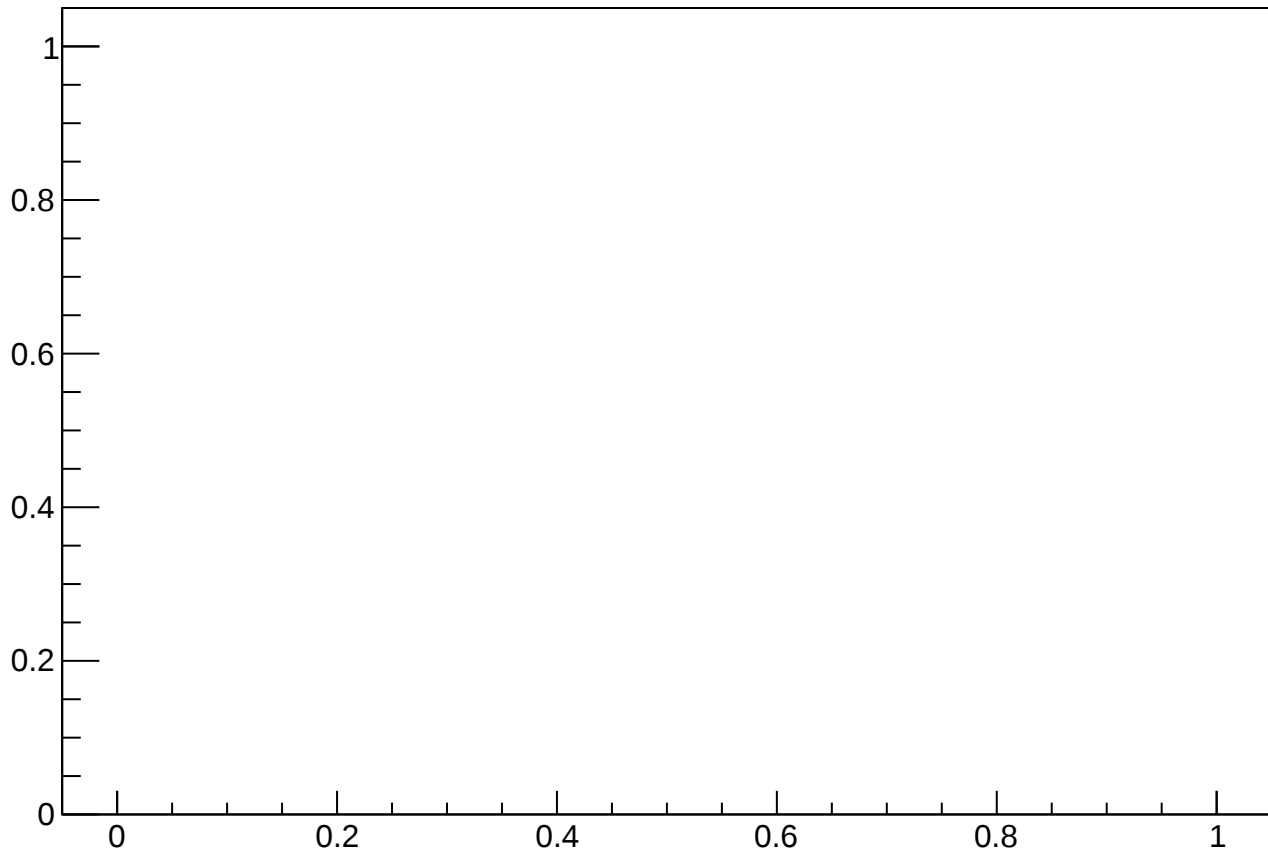
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

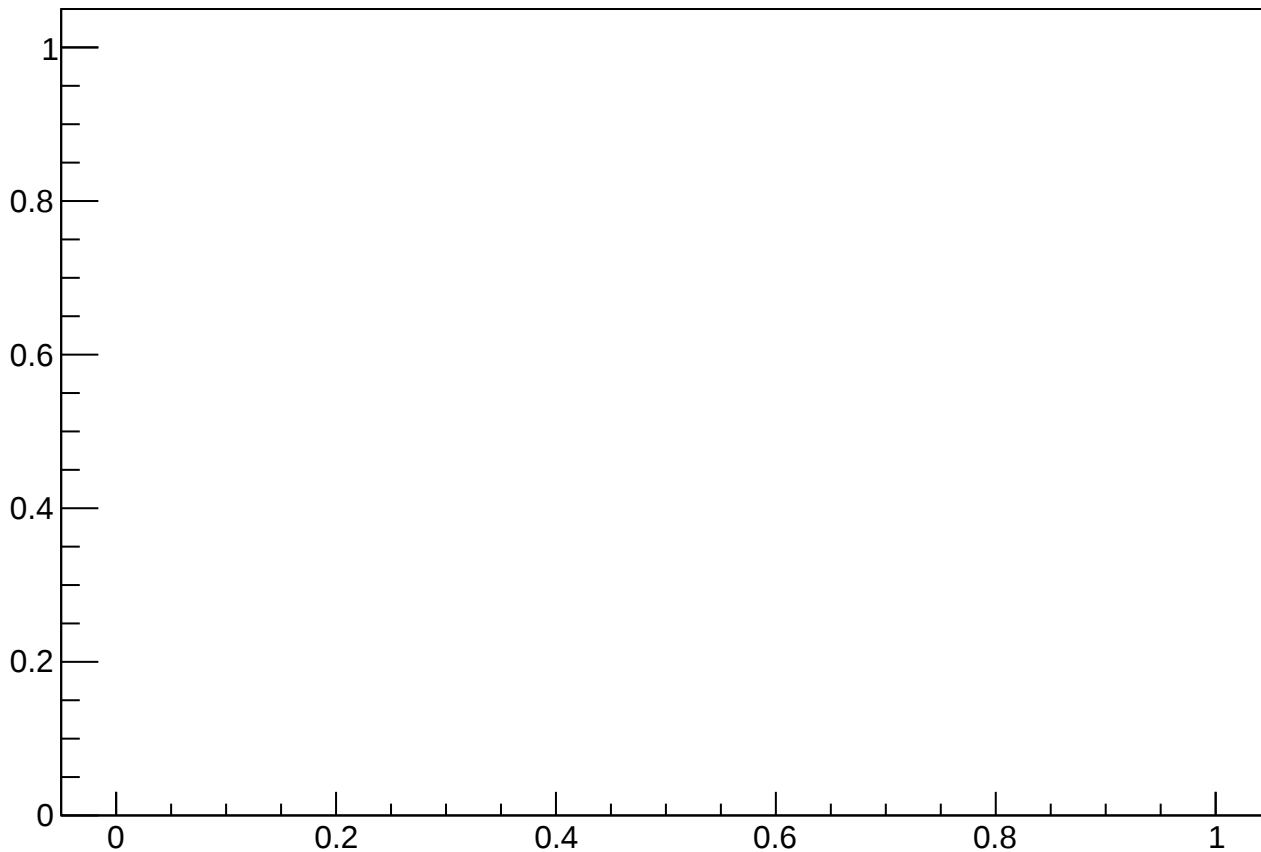
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

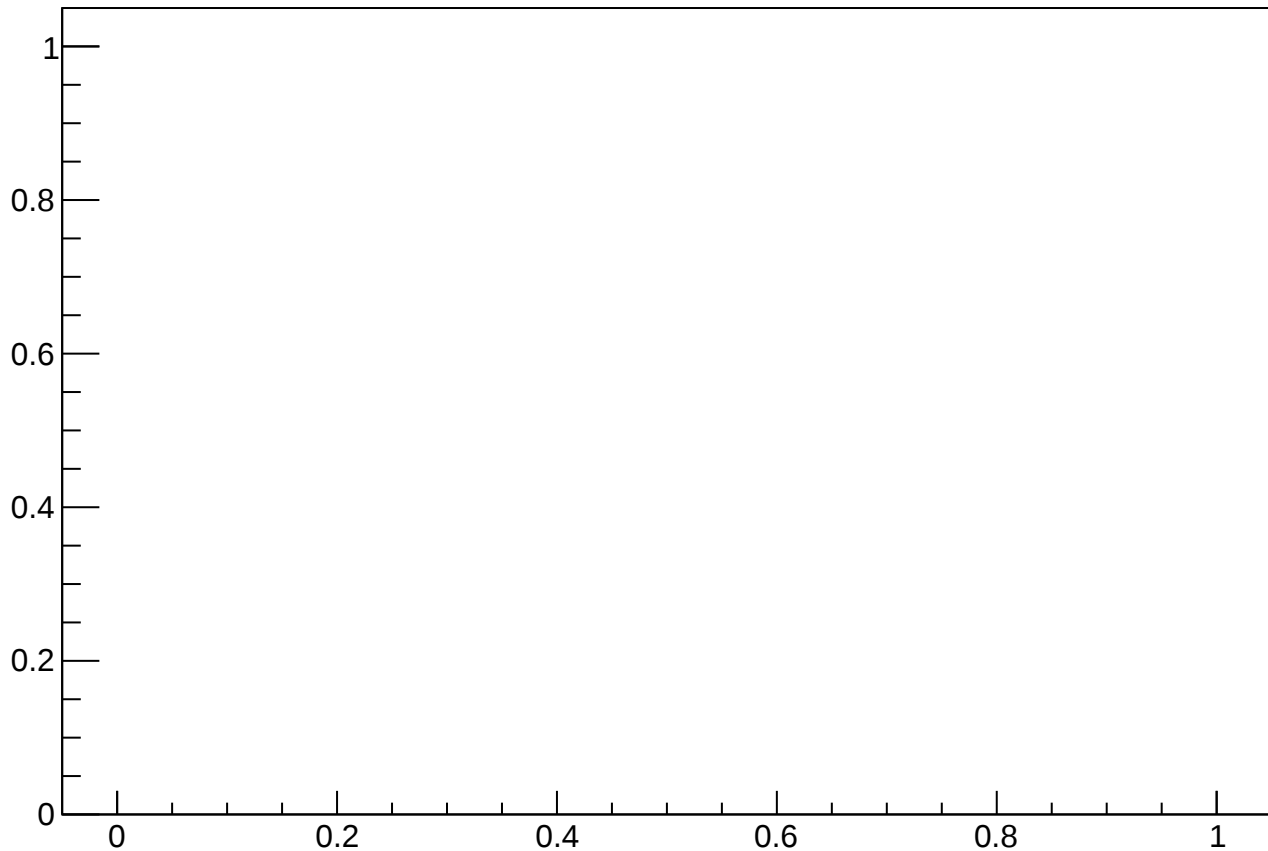
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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+/-0.000 χ^2 /NDF: 0.0/0

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

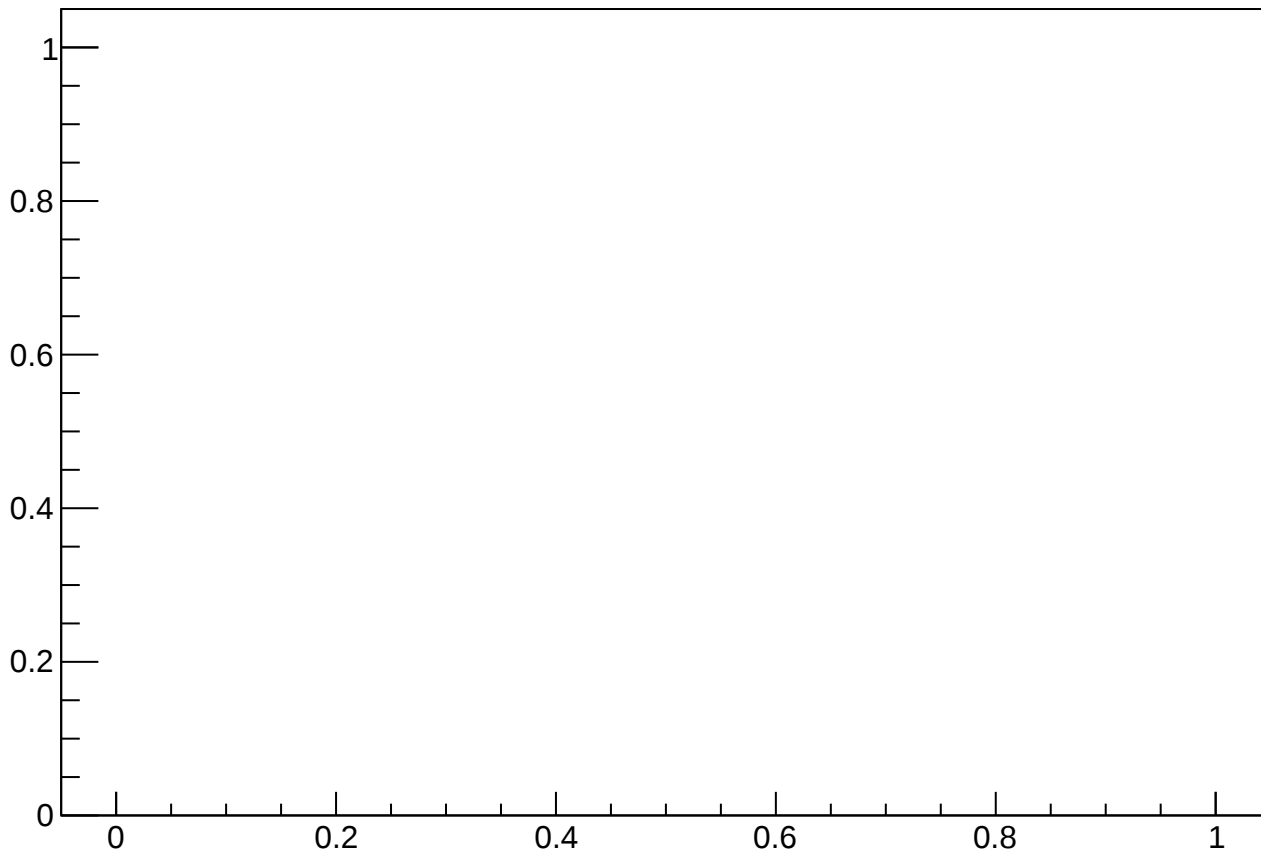
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



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

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

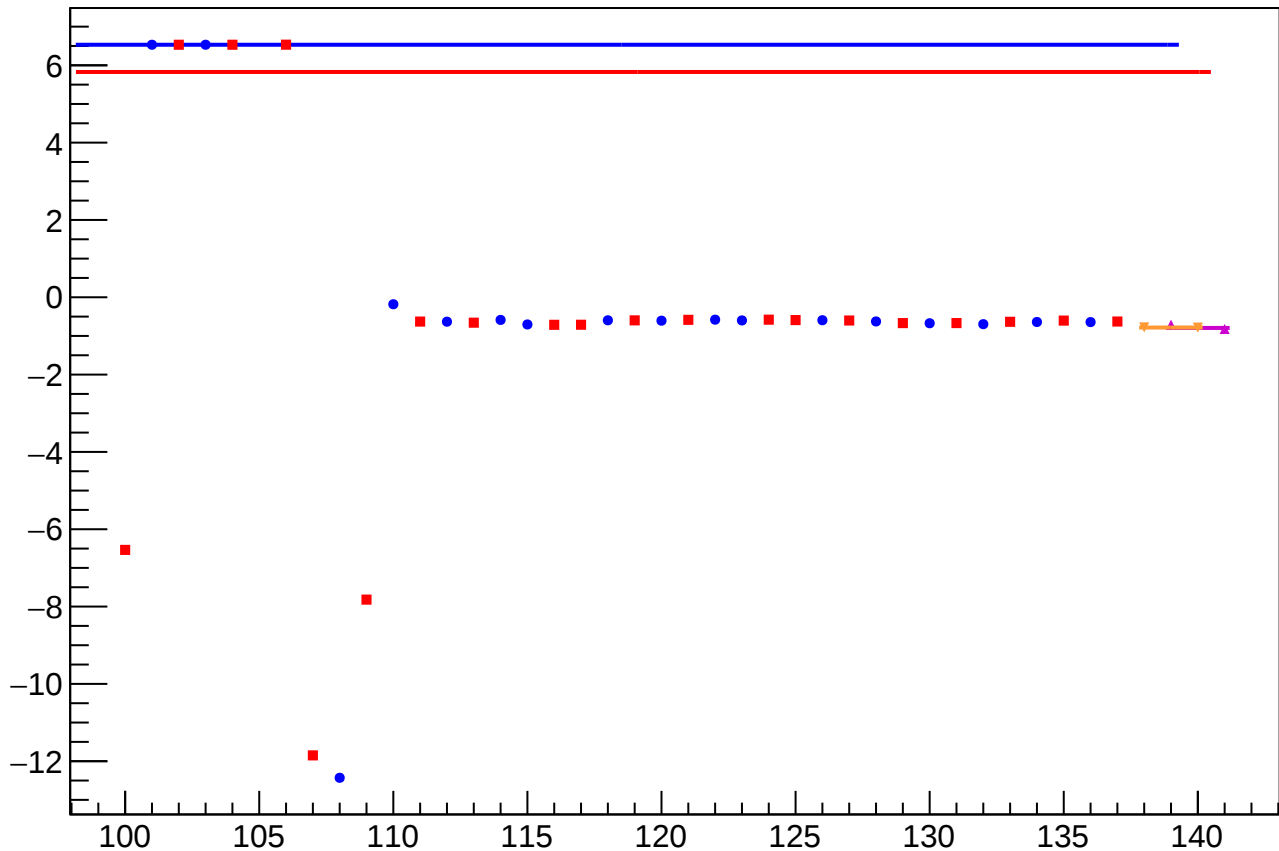
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127219747629.7/16

Left Out: -0.783 $\pm$ 0.000 χ^2 /NDF: 4082.7/1

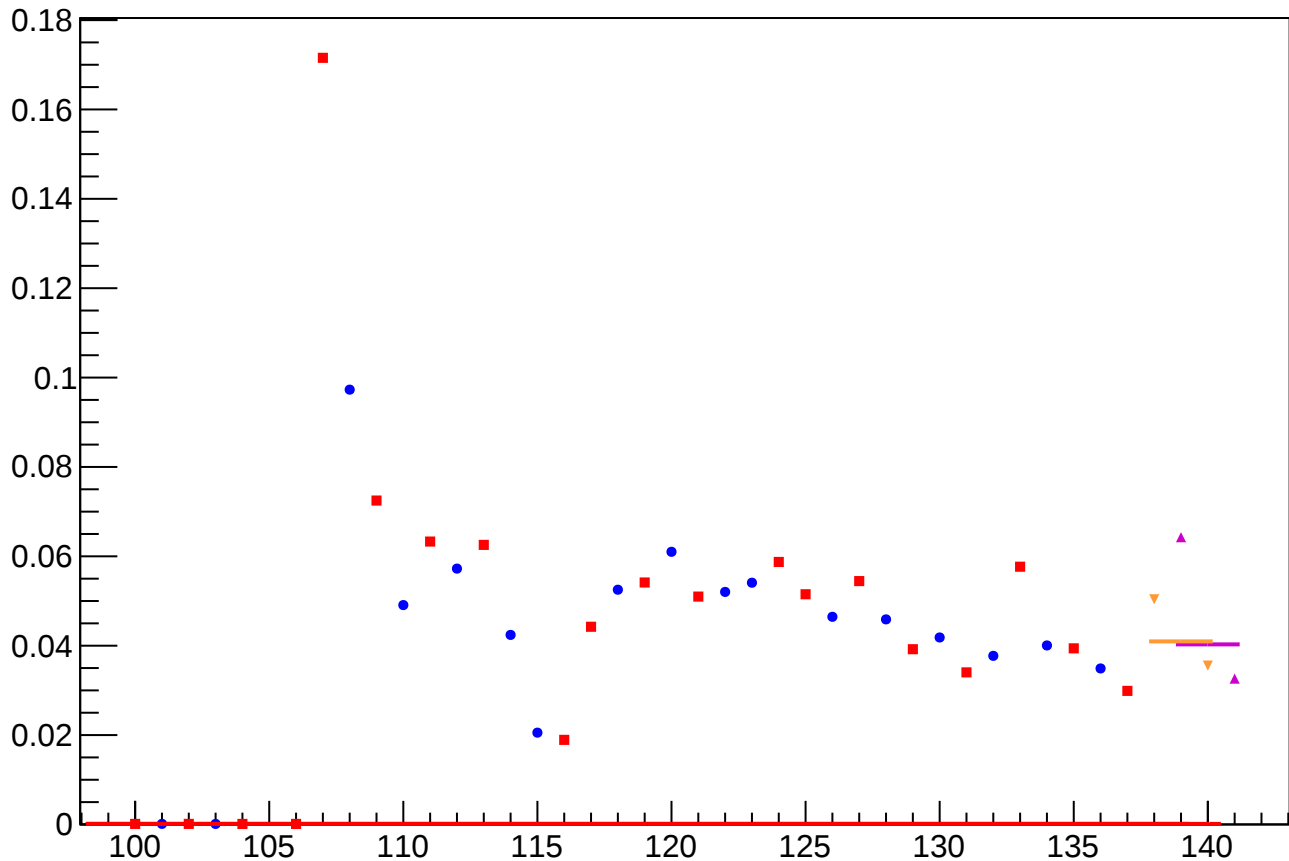
Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755964092355063.0/19

Left In: -0.793 $\pm$ 0.000 χ^2 /NDF: 1596161.8/1

6.532 $\pm$ 0.000 χ^2 /NDF: 162466651524.7/18

5.827 $\pm$ 0.000 χ^2 /NDF: 755994687441828.4/21

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.041+/-0.000 χ^2/NDF :67222.7/1

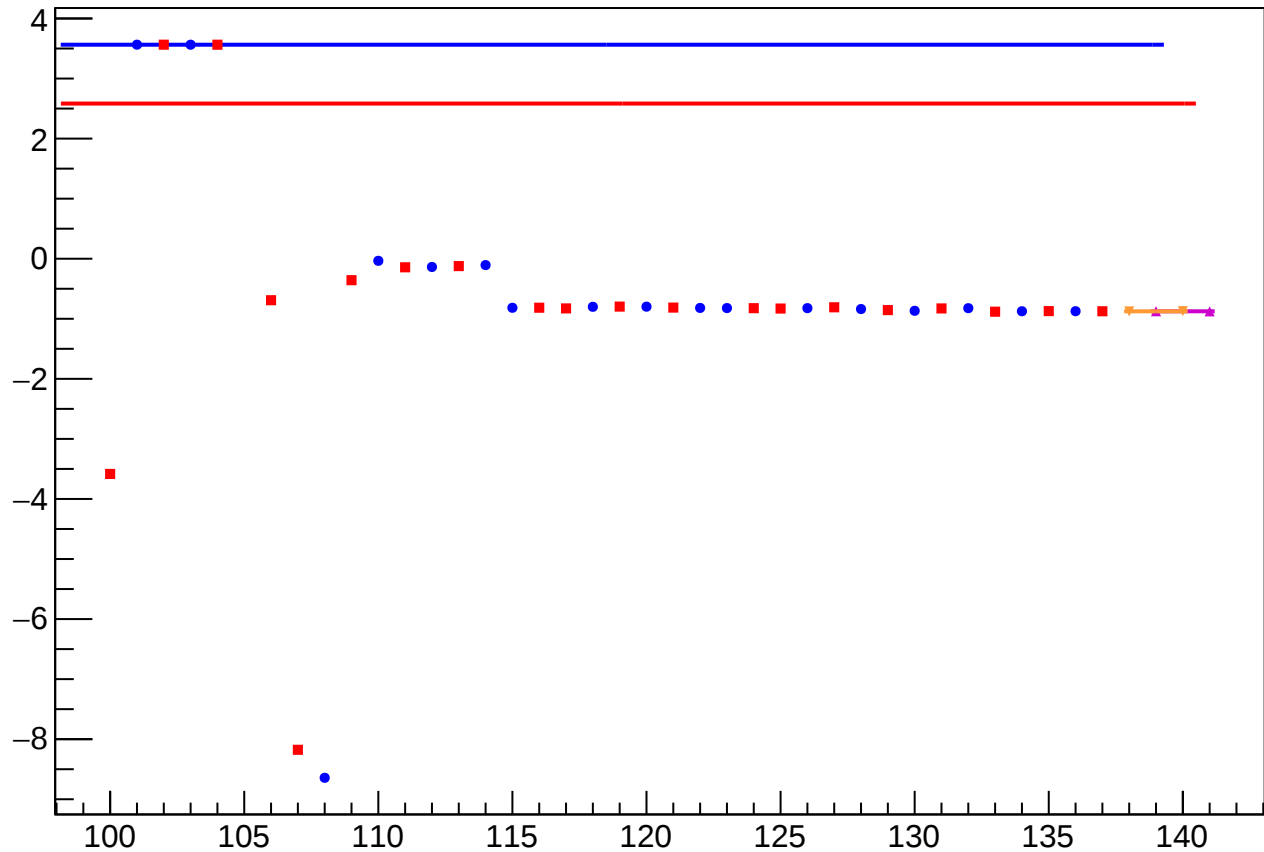
Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

Left In: 0.040+/-0.000 χ^2/NDF :256555.0/1

0.000+/-0.000 χ^2/NDF : 11152426.0/18

0.000+/-0.000 χ^2/NDF : 11938611.1/21

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.876+/-0.000 χ^2/NDF : 79719.1/1

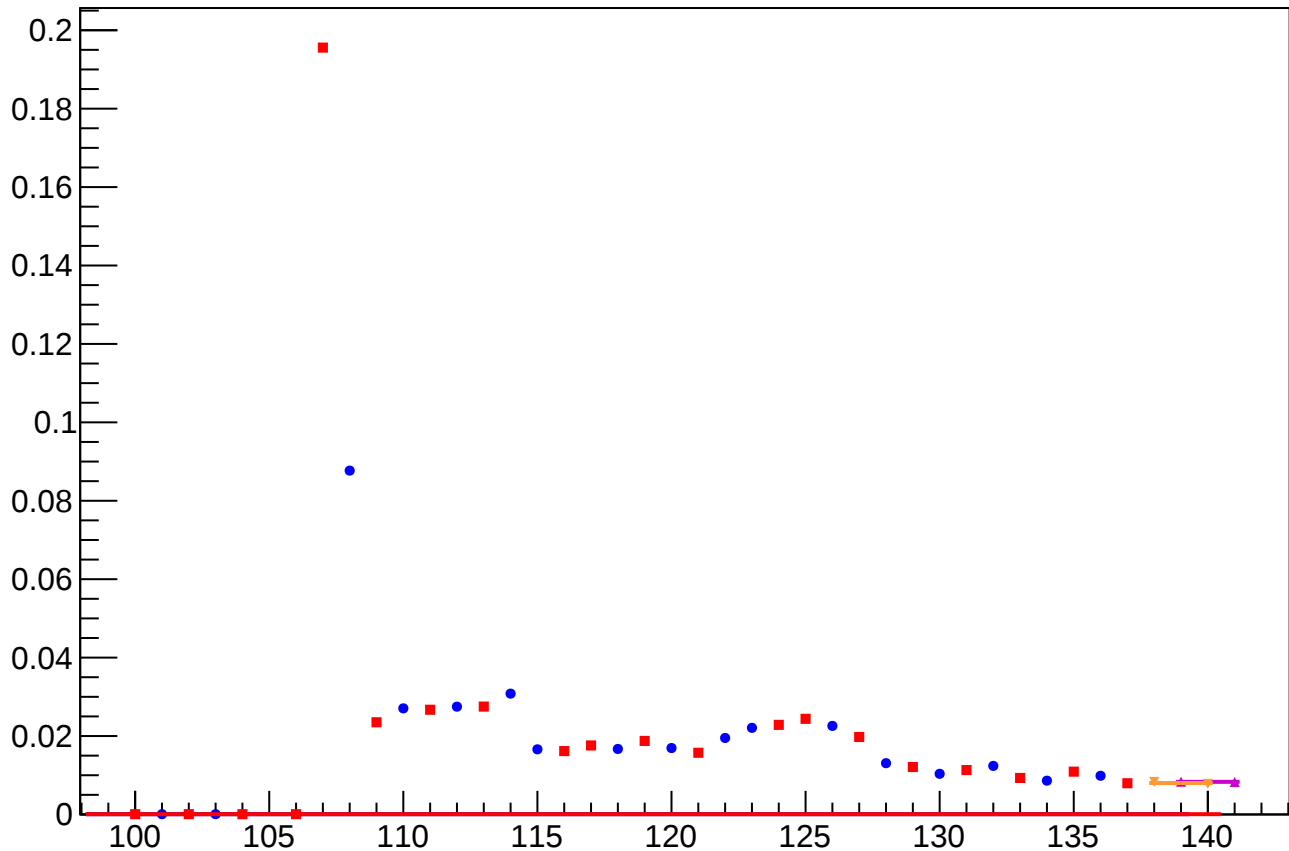
Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

Left In: -0.875+/-0.000 χ^2/NDF : 26874.7/1

3.563+/-0.000 χ^2/NDF : 928731809651.1/18

2.583+/-0.000 χ^2/NDF : 1253765705843789.5/2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.008+/-0.000 χ^2/NDF :2831.0/1

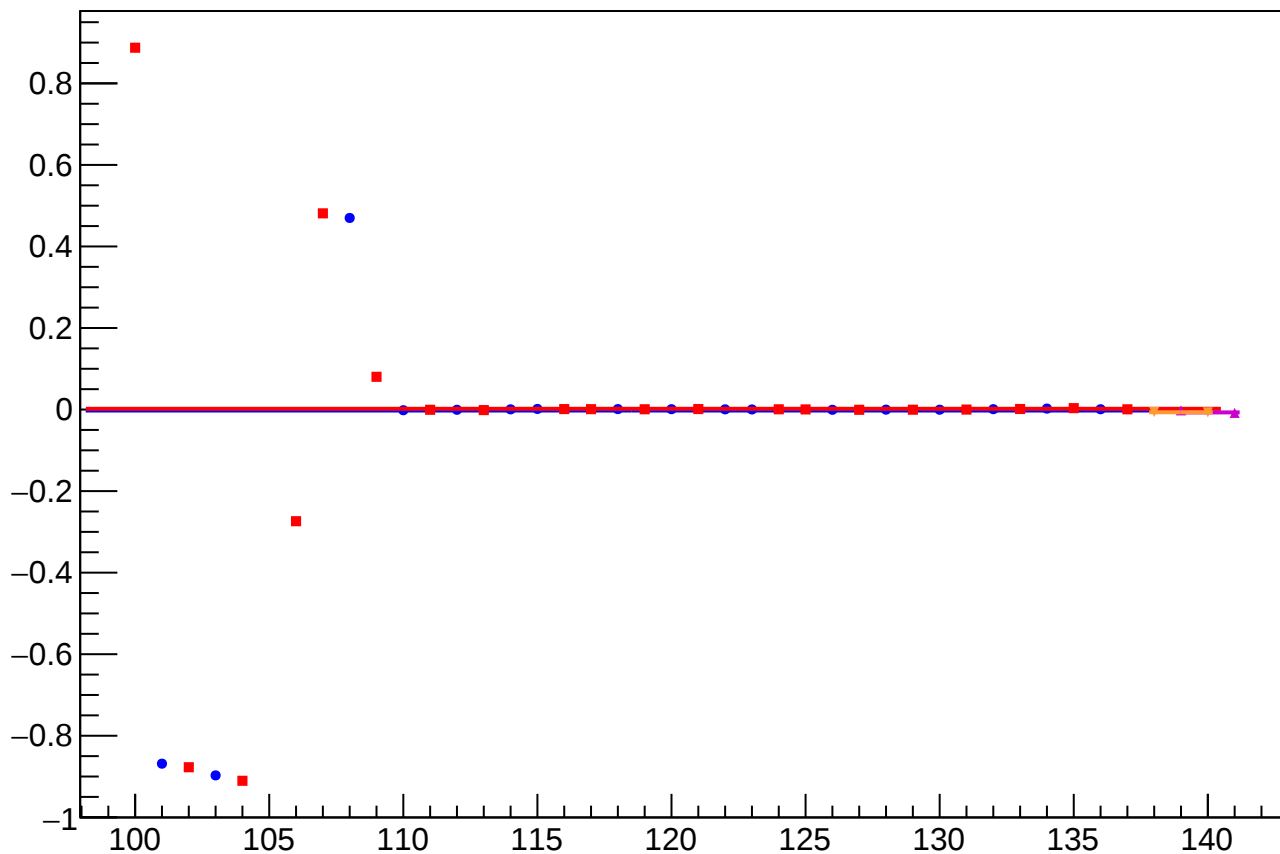
Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

Left In: 0.008+/-0.000 χ^2/NDF :45.6/1

0.000+/-0.000 χ^2/NDF : 12595566.7/18

0.000+/-0.000 χ^2/NDF : 12921708.3/21

yield_cav4cX_mean vs Slug



Right In: -0.002 $\pm$ 0.000 χ^2 /NDF: 9794863405.3/16

Left Out: -0.007 $\pm$ 0.000 χ^2 /NDF: 78641.6/1

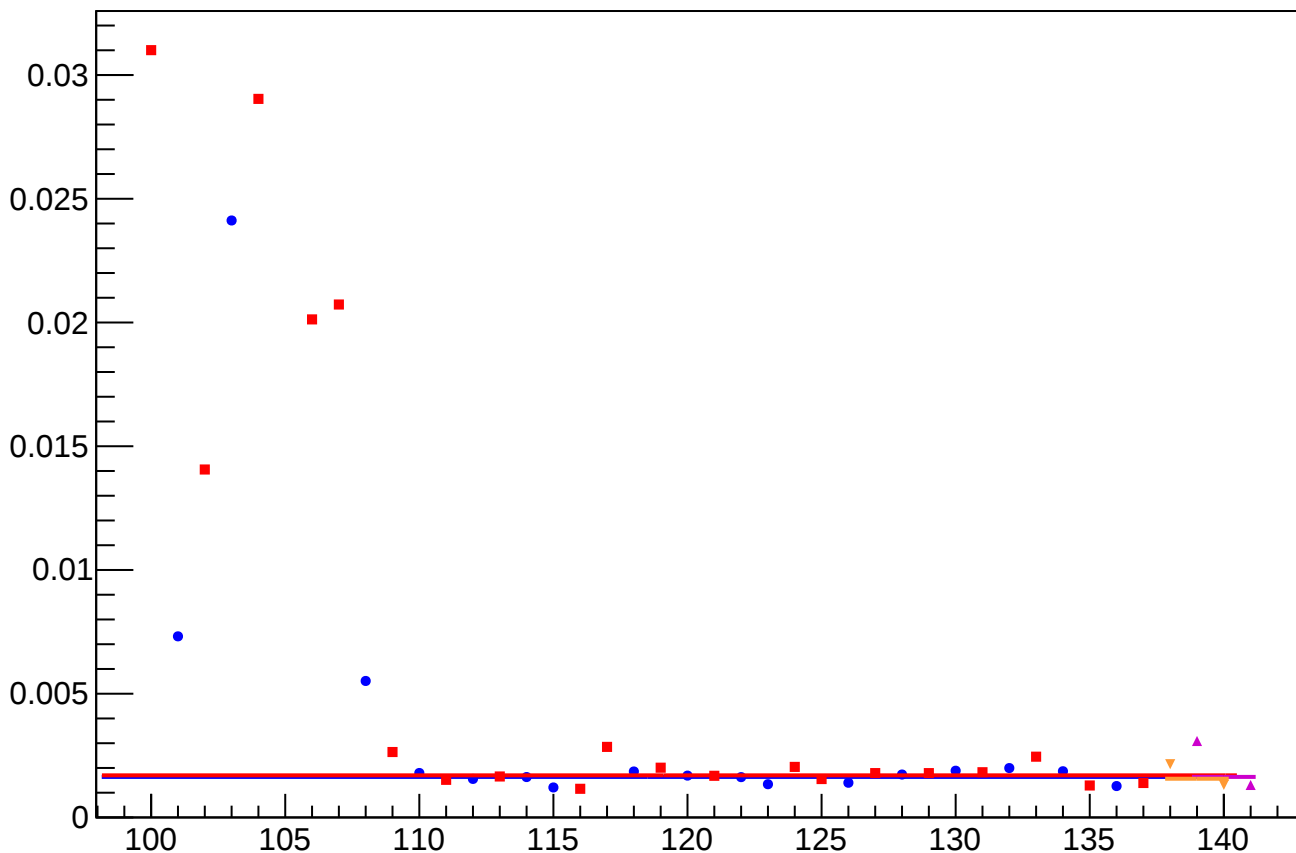
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3041323813.4/19

Left In: -0.007 $\pm$ 0.000 χ^2 /NDF: 2374308.0/1

-0.003 $\pm$ 0.000 χ^2 /NDF: 9801214903.2/18

-0.000 $\pm$ 0.000 χ^2 /NDF: 3069200575.3/21

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 :126395.8/1

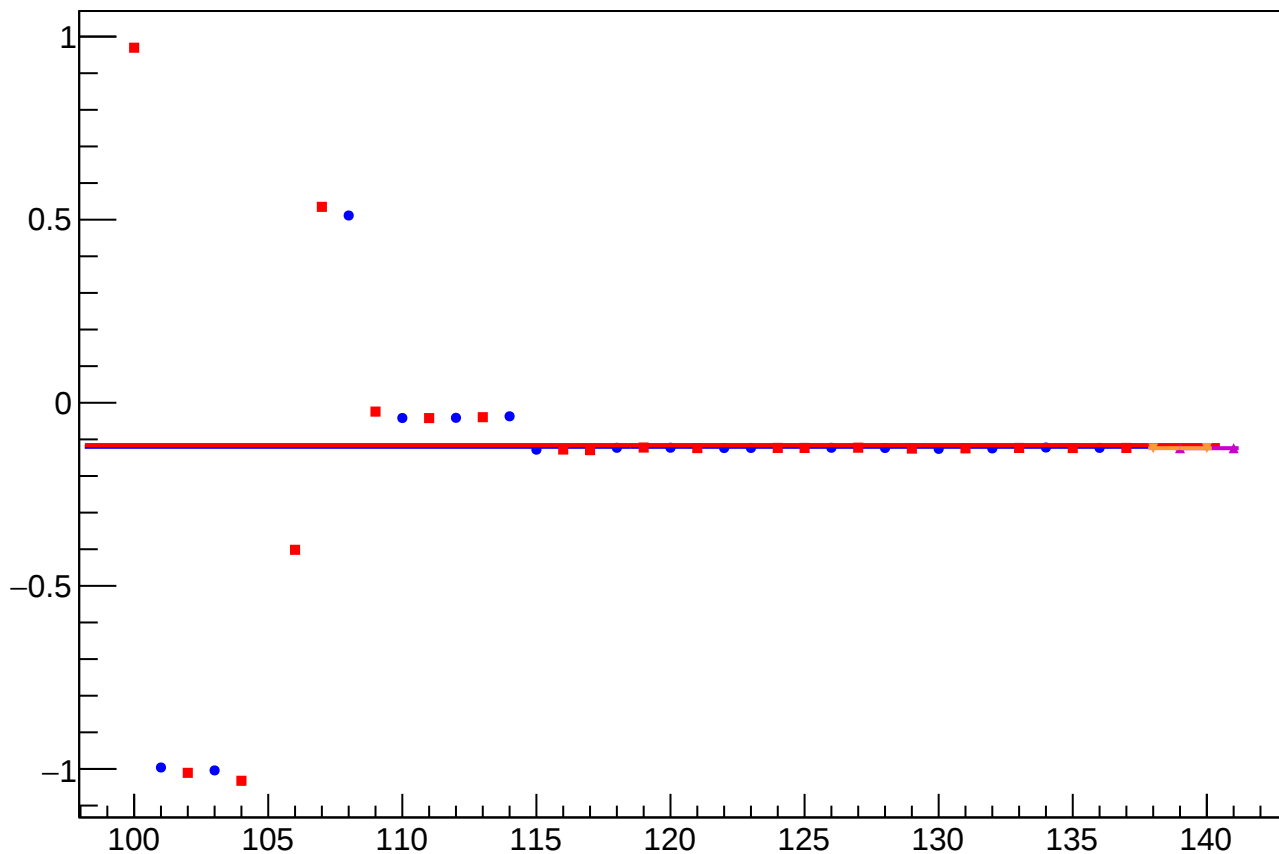
Right Out: 0.002+/-0.000 χ^2/NDF : 3037006.7/19

Left In: 0.002+/-0.000 χ^2/NDF :389126.6/1

0.002+/-0.000 χ^2/NDF : 2046464.7/18

0.002+/-0.000 χ^2/NDF : 3428718.5/21

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.124+/-0.000 χ^2/NDF :125401.3/1

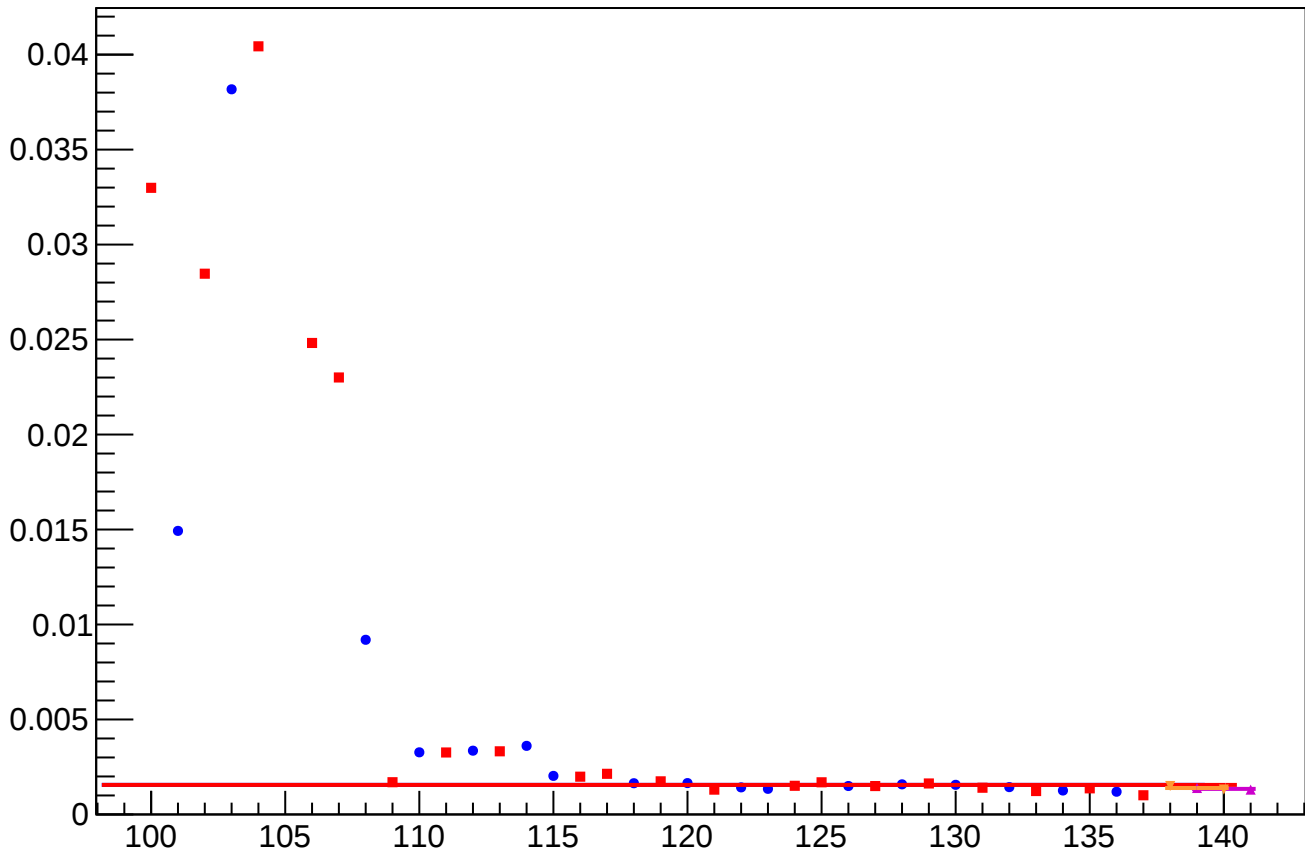
Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

Left In: -0.124+/-0.000 χ^2/NDF :605.0/1

-0.121+/-0.000 χ^2/NDF : 3938881935.8/18

-0.118+/-0.000 χ^2/NDF : 2497786997.4/21

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 :11293.4/1

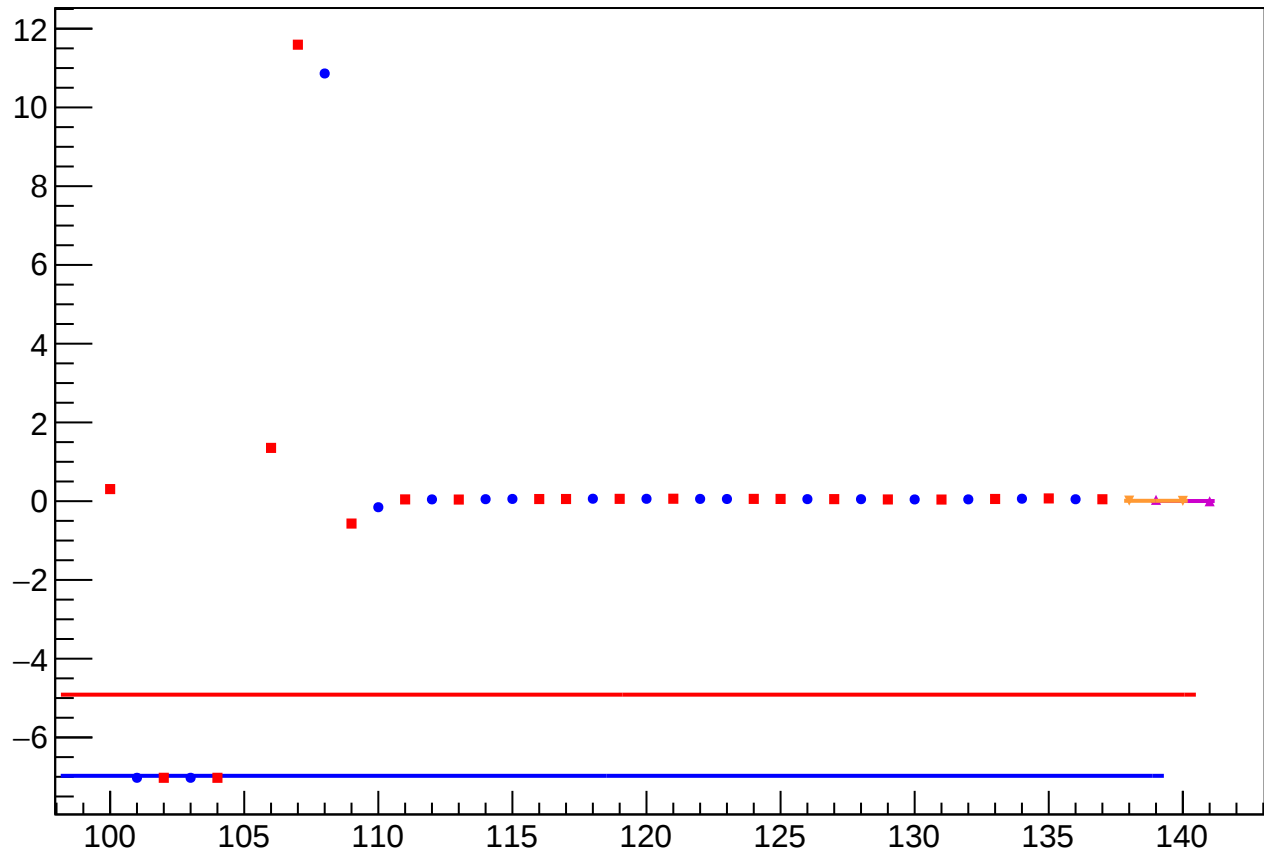
0.002+/-0.000 χ^2/NDF : 2939438.3/18

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

0.001+/-0.000 χ^2/NDF : 3594842.5/21

Left In: 0.001+/-0.000 χ^2/NDF :2732.0/1

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.010+/-0.000 χ^2/NDF : 106903.5/1

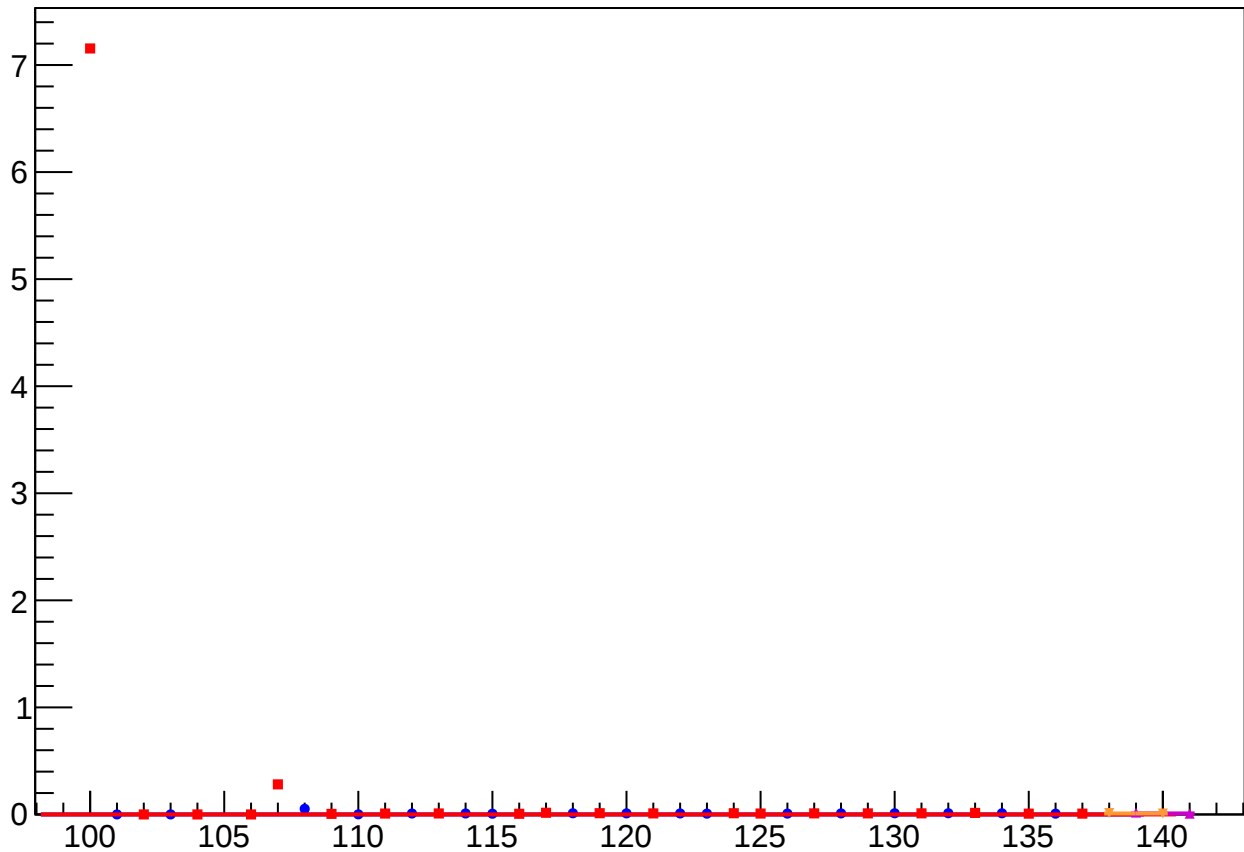
Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

Left In: 0.004+/-0.000 χ^2/NDF : 2441517.3/1

-6.972+/-0.000 χ^2/NDF : 9329957515639.8/18

-4.912+/-0.000 χ^2/NDF : 365659752975552.2/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.010+/-0.000 χ^2/NDF :105914.8/1

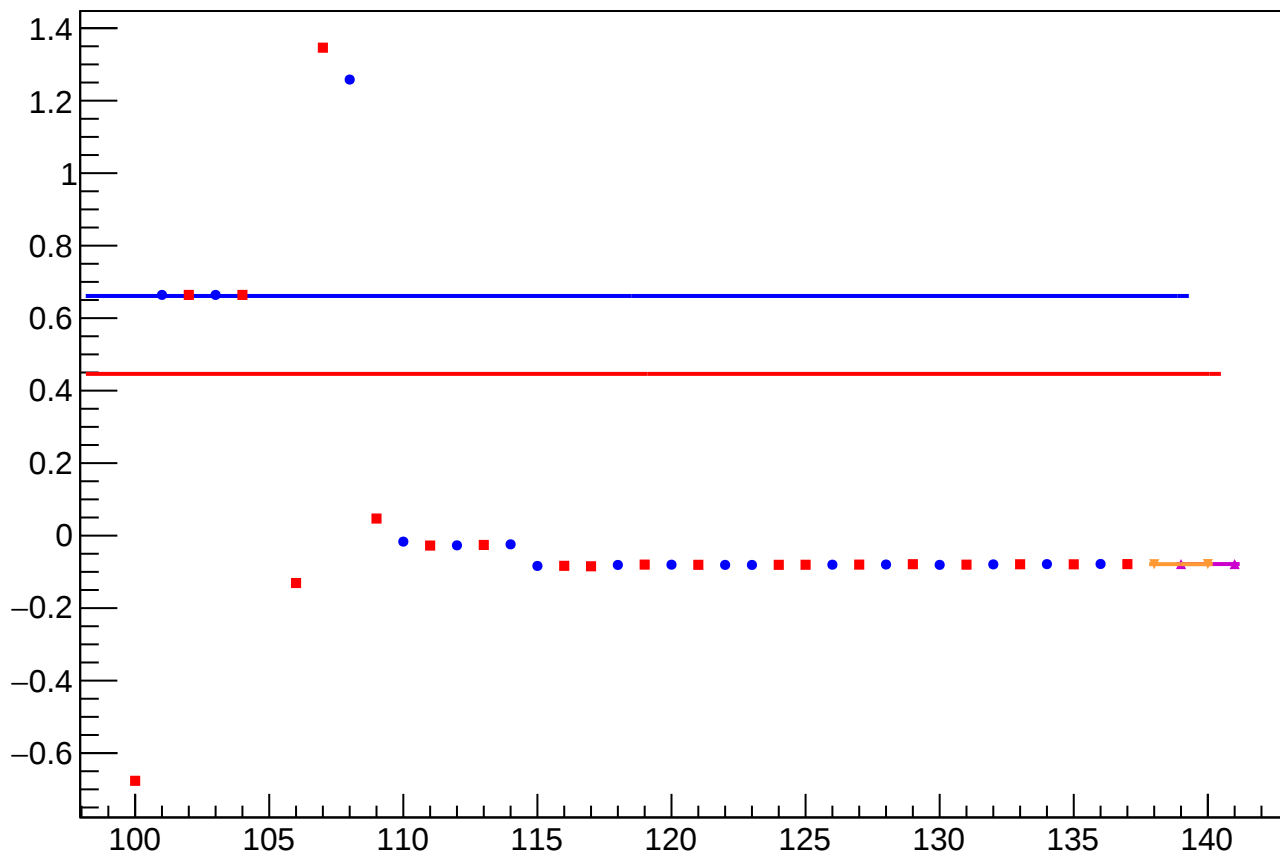
Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

Left In: 0.009+/-0.000 χ^2/NDF :386661.8/1

0.000+/-0.000 χ^2/NDF : 10430394.6/18

0.000+/-0.000 χ^2/NDF : 11371035.6/21

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.079+/-0.000 χ^2/NDF : 96887.8/1

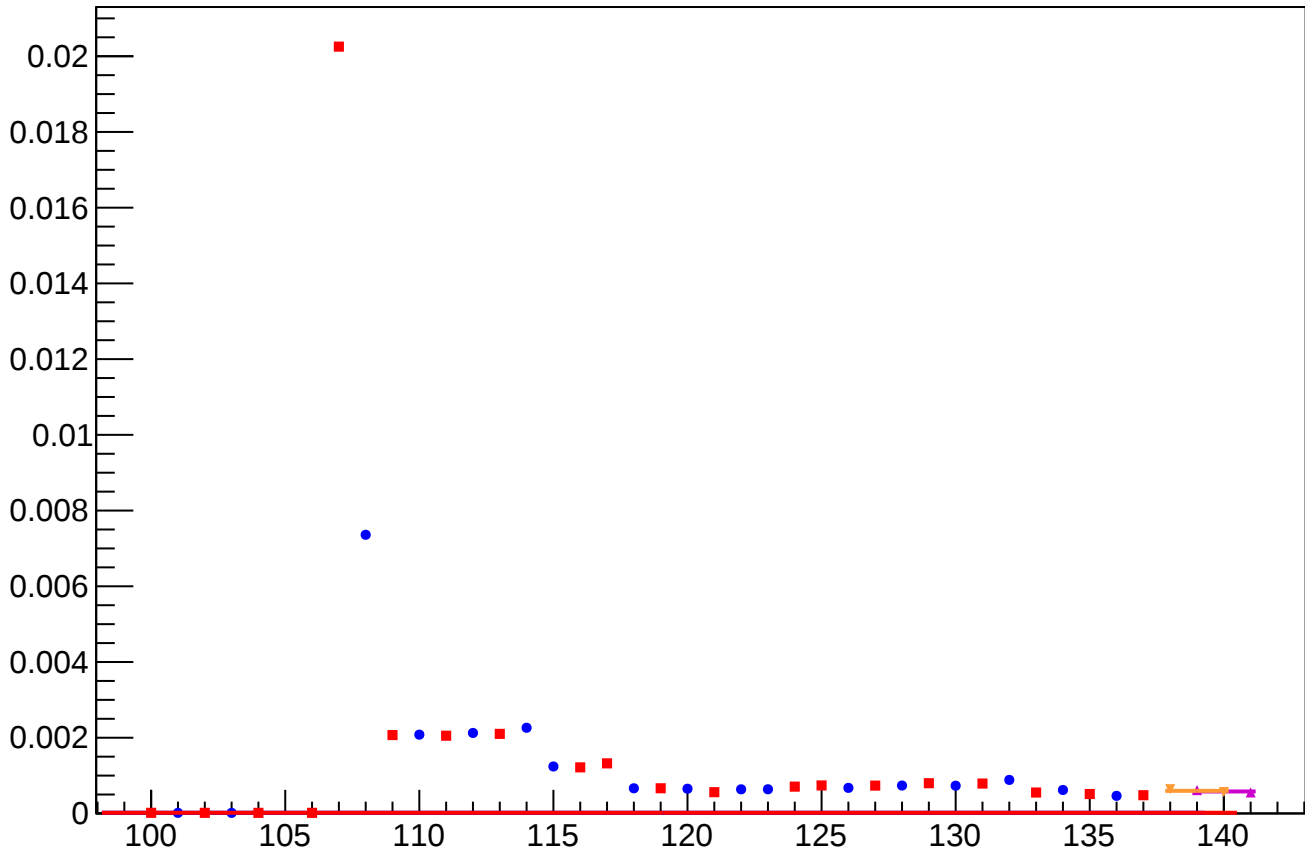
Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

Left In: -0.078+/-0.000 χ^2/NDF : 3766.3/1

0.660+/-0.000 χ^2/NDF : 7790769794842.5/18

0.445+/-0.000 χ^2/NDF : 406646622332457.4/21

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 :10827.1/1

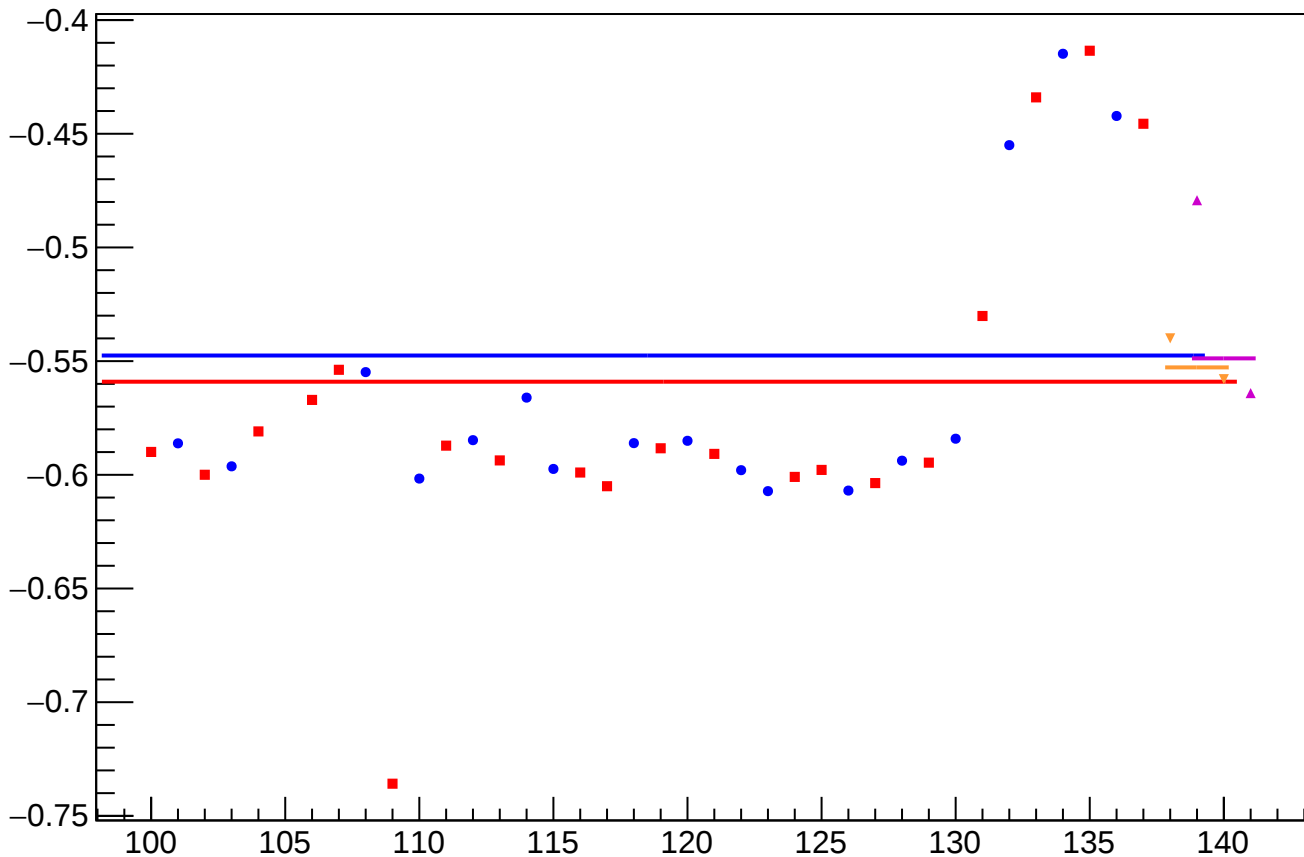
Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

Left In: 0.001+/-0.000 χ^2/NDF :8287.9/1

0.000+/-0.000 χ^2/NDF : 12559623.0/18

0.000+/-0.000 χ^2/NDF : 12373395.9/21

yield_bpm4aX_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.553 ± 0.000 χ^2/NDF : 171721.7/1

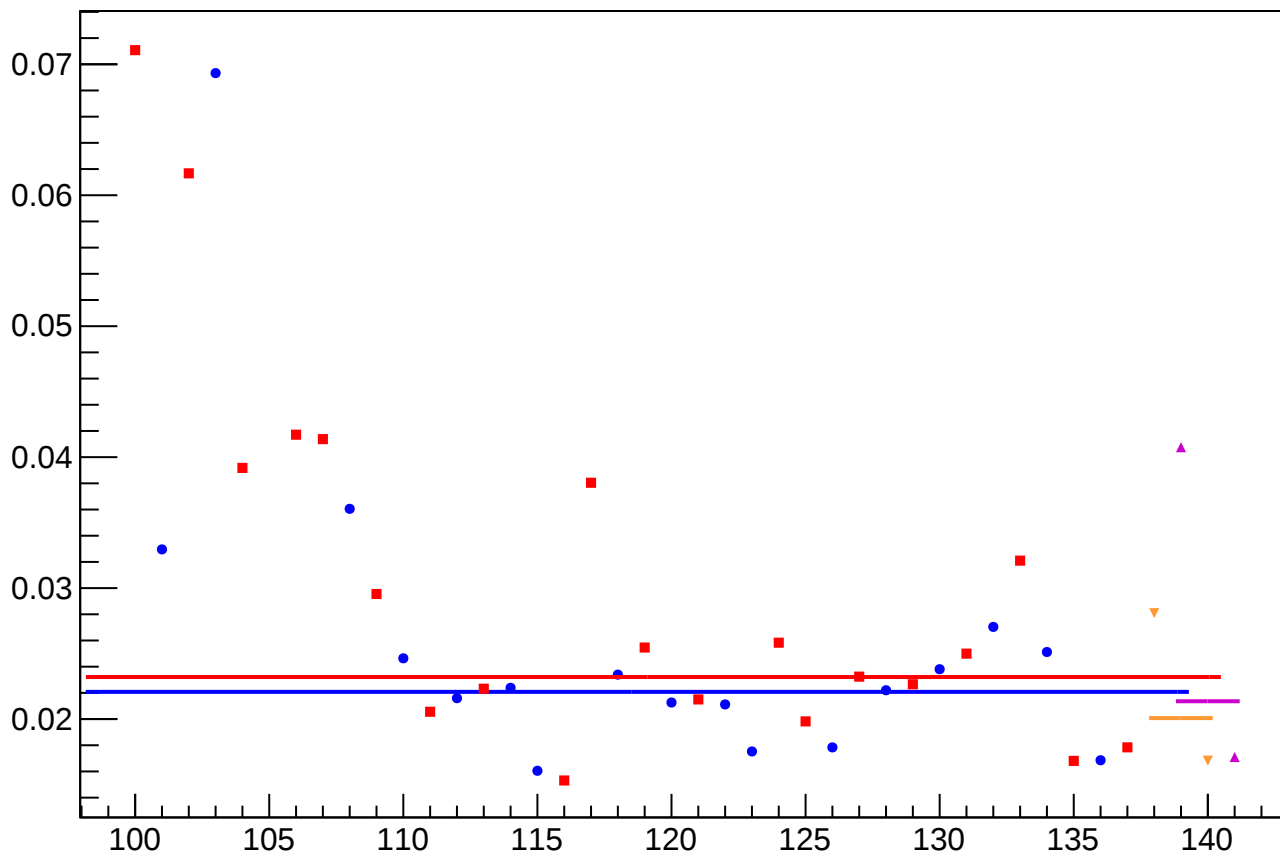
Right Out: -0.559 ± 0.000 χ^2/NDF : 65389755.0/19

Left In: -0.549 ± 0.000 χ^2/NDF : 2561130.8/1

-0.549 ± 0.000 χ^2/NDF : 48773632.9/18

-0.557 ± 0.000 χ^2/NDF : 68155107.5/21

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 :135056.4/1

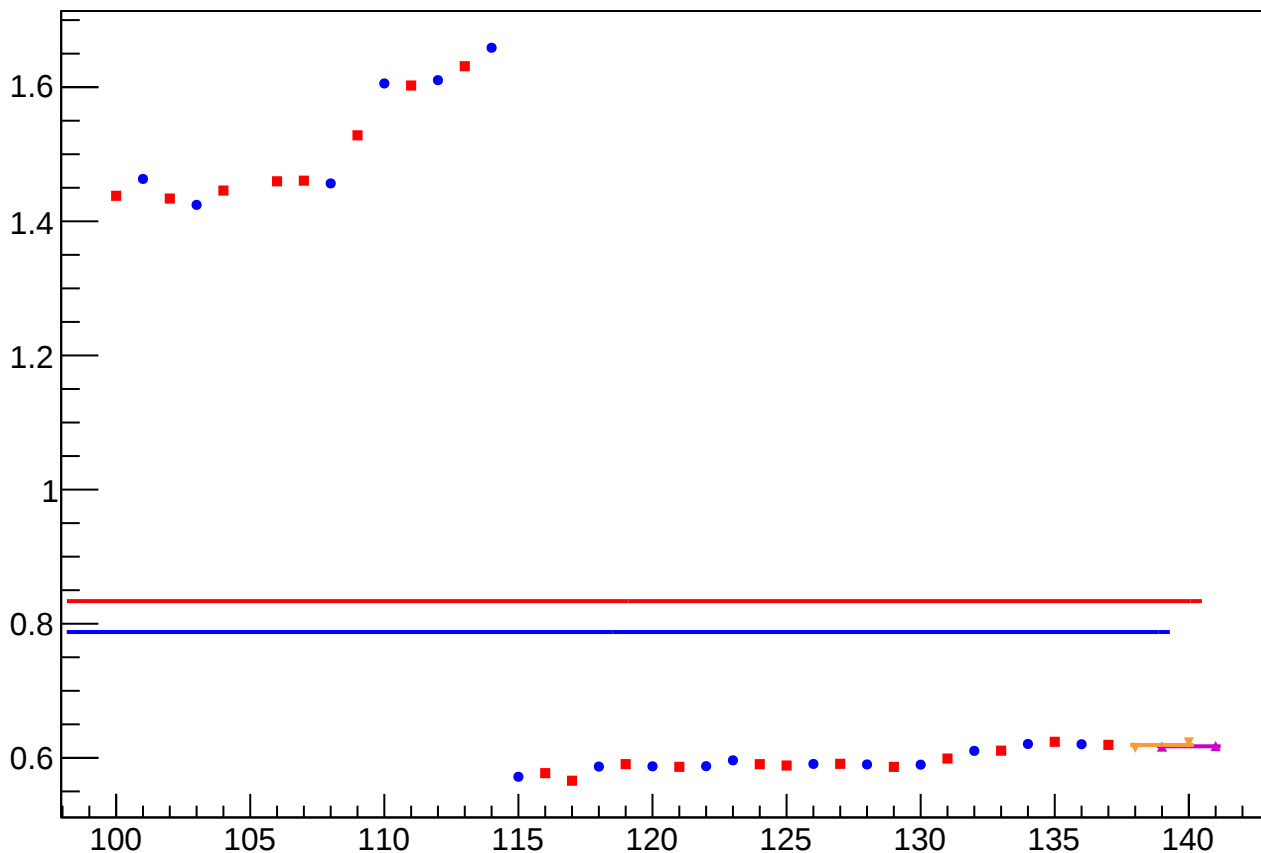
Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

Left In: 0.021+/-0.000 χ^2/NDF :398398.9/1

0.022+/-0.000 χ^2/NDF : 1106488.3/18

0.023+/-0.000 χ^2/NDF : 1580688.6/21

yield_bpm4aY_mean vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.619 $\pm$ 0.000 χ^2 /NDF:167857.2/1

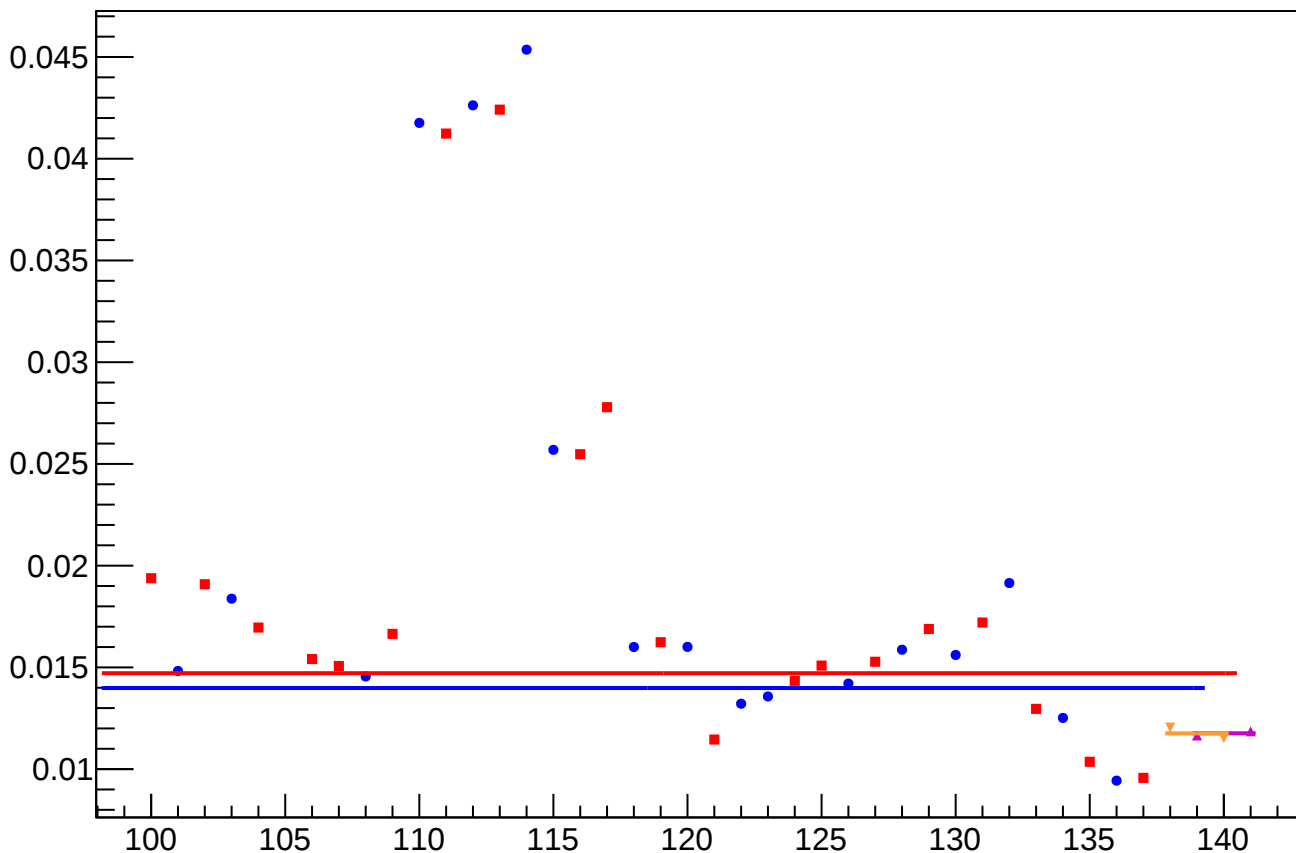
Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4155673215.9/19

Left In: 0.617 $\pm$ 0.000 χ^2 /NDF:2125.8/1

0.742 $\pm$ 0.000 χ^2 /NDF: 3799930684.4/18

0.773 $\pm$ 0.000 χ^2 /NDF: 4525028438.1/21

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:1407.6/1

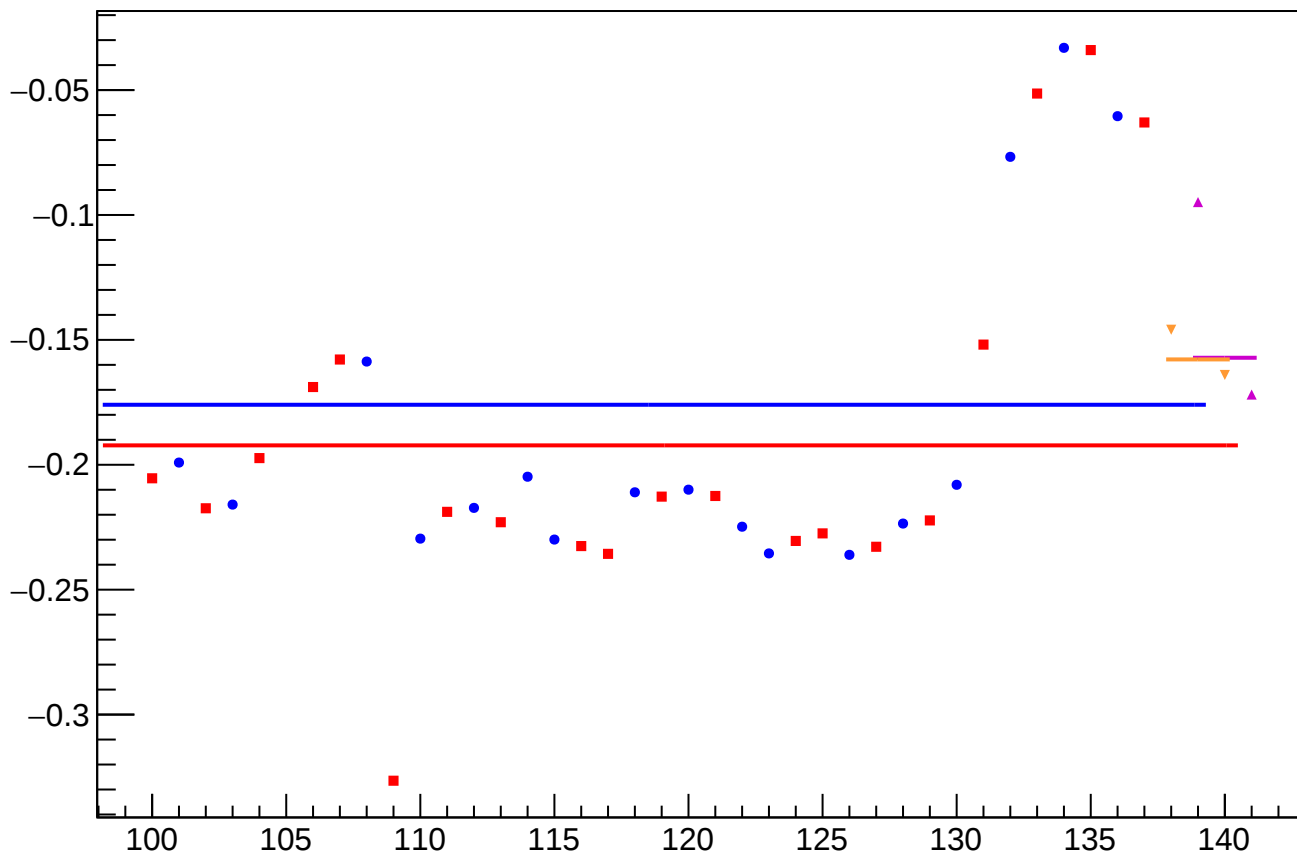
0.013 $\pm$ 0.000 χ^2 /NDF: 1476285.5/18

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1275472.3/19

0.014 $\pm$ 0.000 χ^2 /NDF: 1413100.2/21

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:225.6/1

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.158+/-0.000 χ^2/NDF :175397.7/1

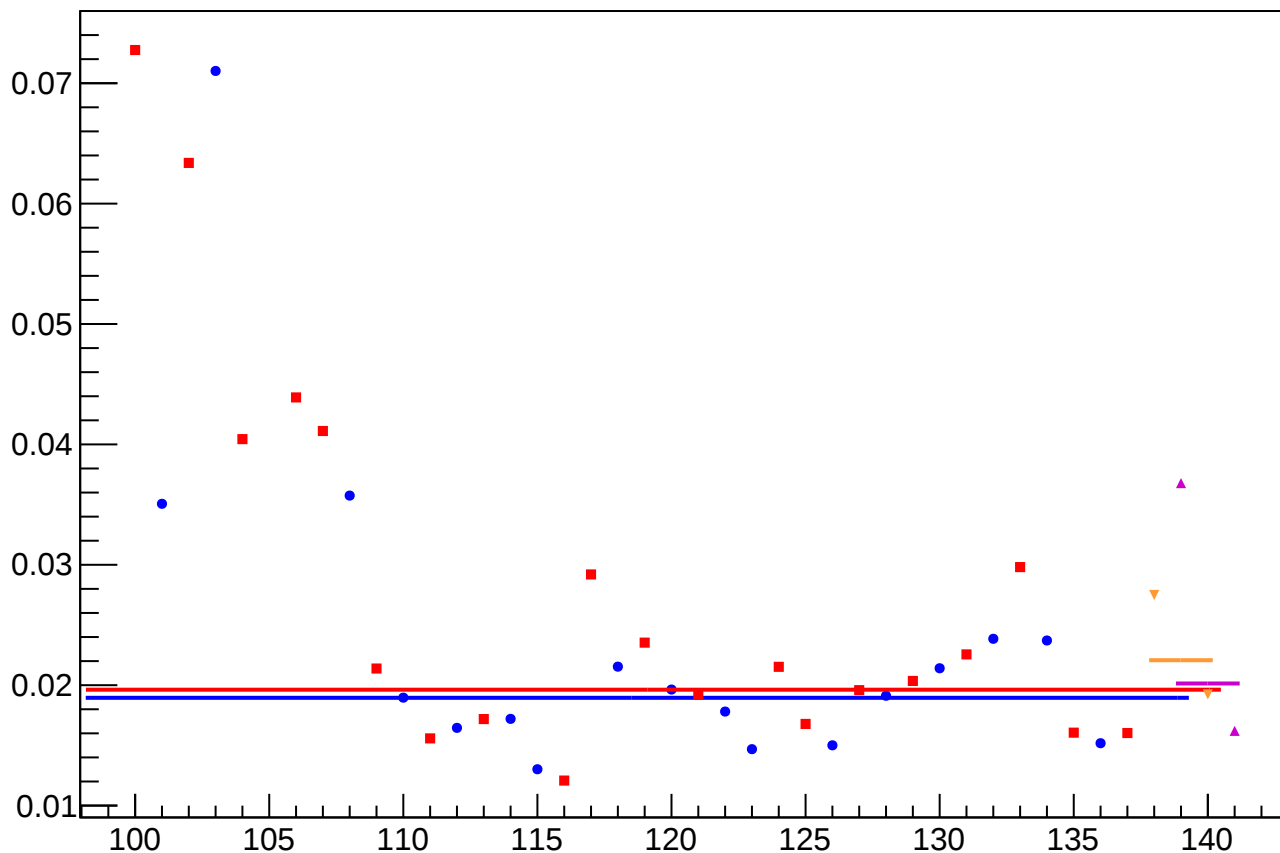
Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

Left In: -0.157+/-0.000 χ^2/NDF :2554570.6/1

-0.173+/-0.000 χ^2/NDF : 70963268.6/18

-0.186+/-0.000 χ^2/NDF : 88737189.0/21

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.022+/-0.000 χ^2/NDF : 72948.6/1

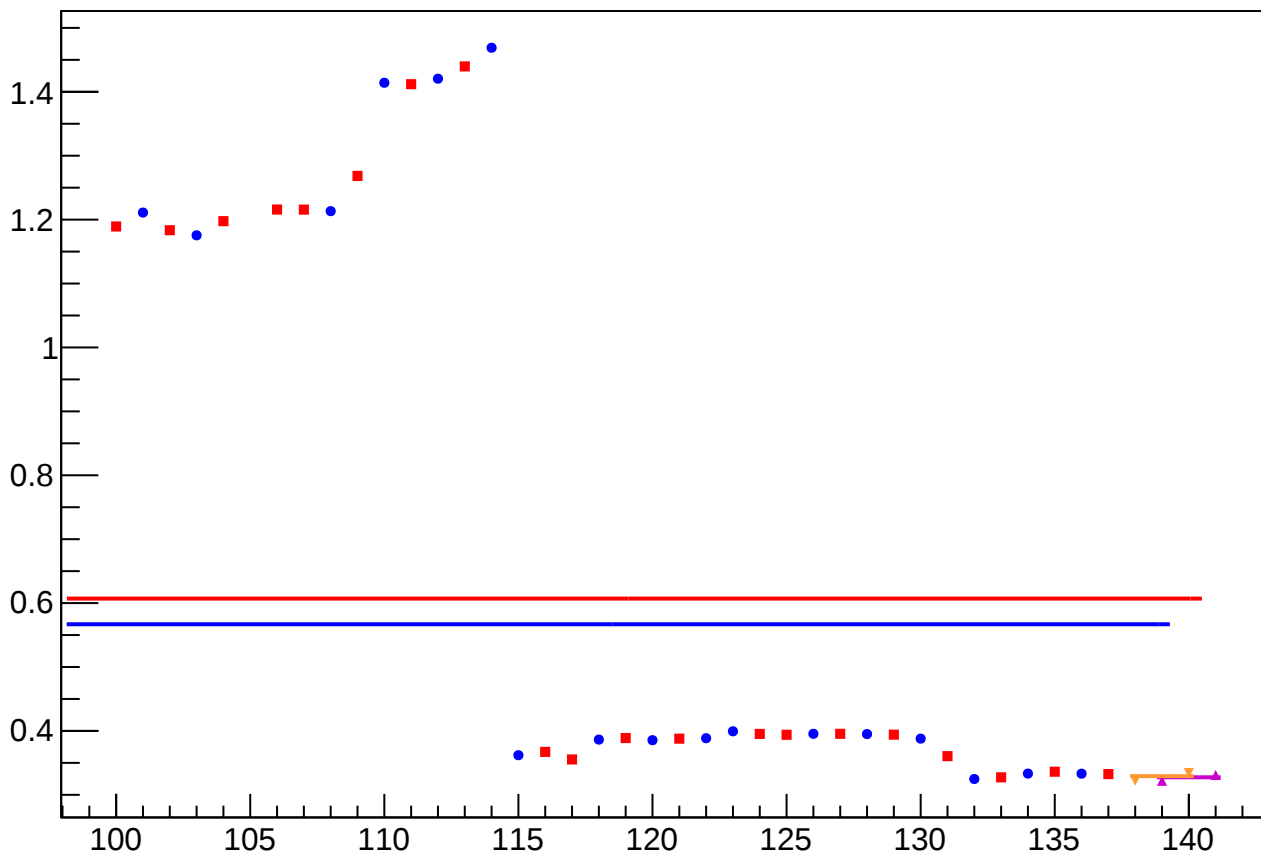
Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

Left In: 0.020+/-0.000 χ^2/NDF : 364421.8/1

0.019+/-0.000 χ^2/NDF : 1315670.3/18

0.020+/-0.000 χ^2/NDF : 1829631.7/21

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.329 $\pm$ 0.000 χ^2 /NDF:330526.1/1

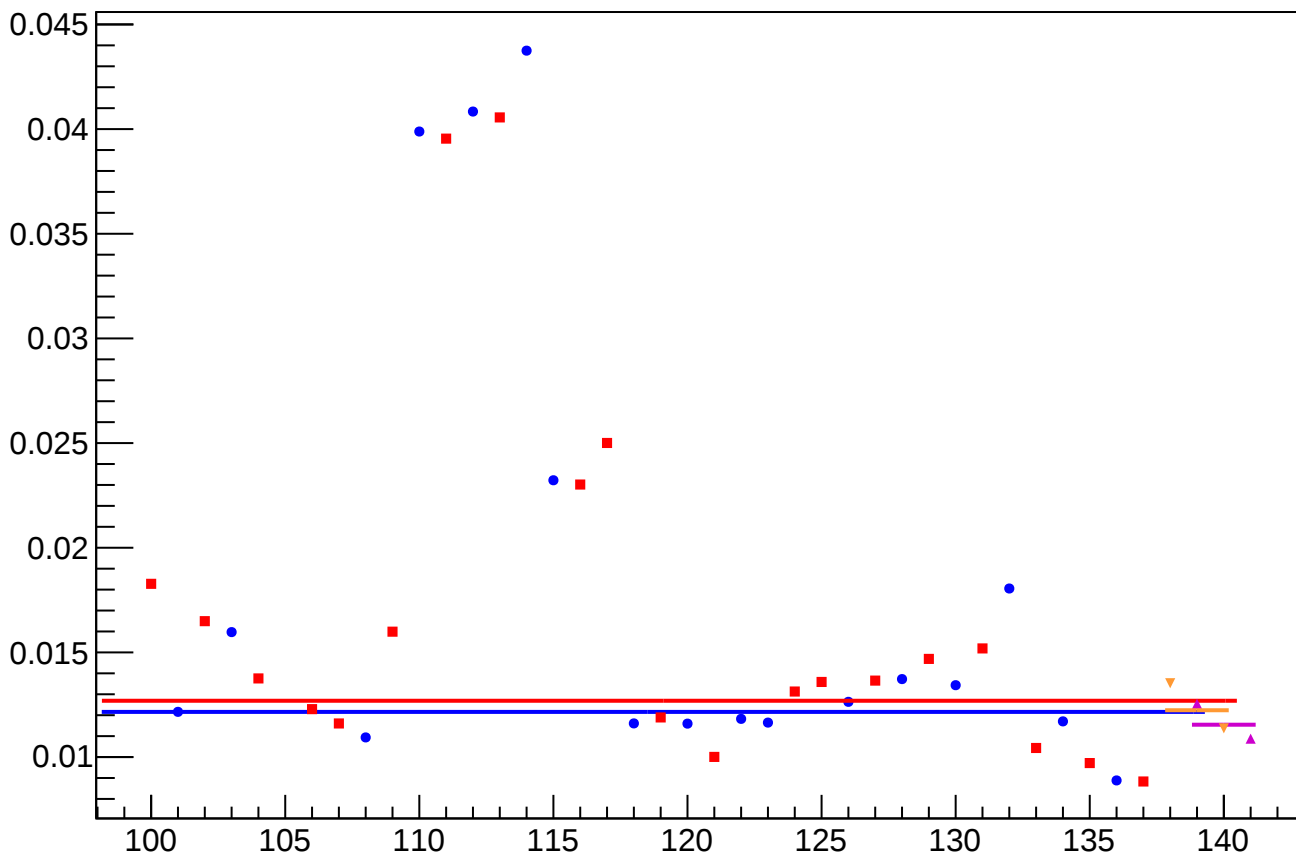
Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

Left In: 0.327 $\pm$ 0.000 χ^2 /NDF:221871.2/1

0.519 $\pm$ 0.000 χ^2 /NDF: 5450275123.7/18

0.542 $\pm$ 0.000 χ^2 /NDF: 6181642801.8/21

yield_bpm4eY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.012 ± 0.000 χ^2/NDF : 21439.3/1

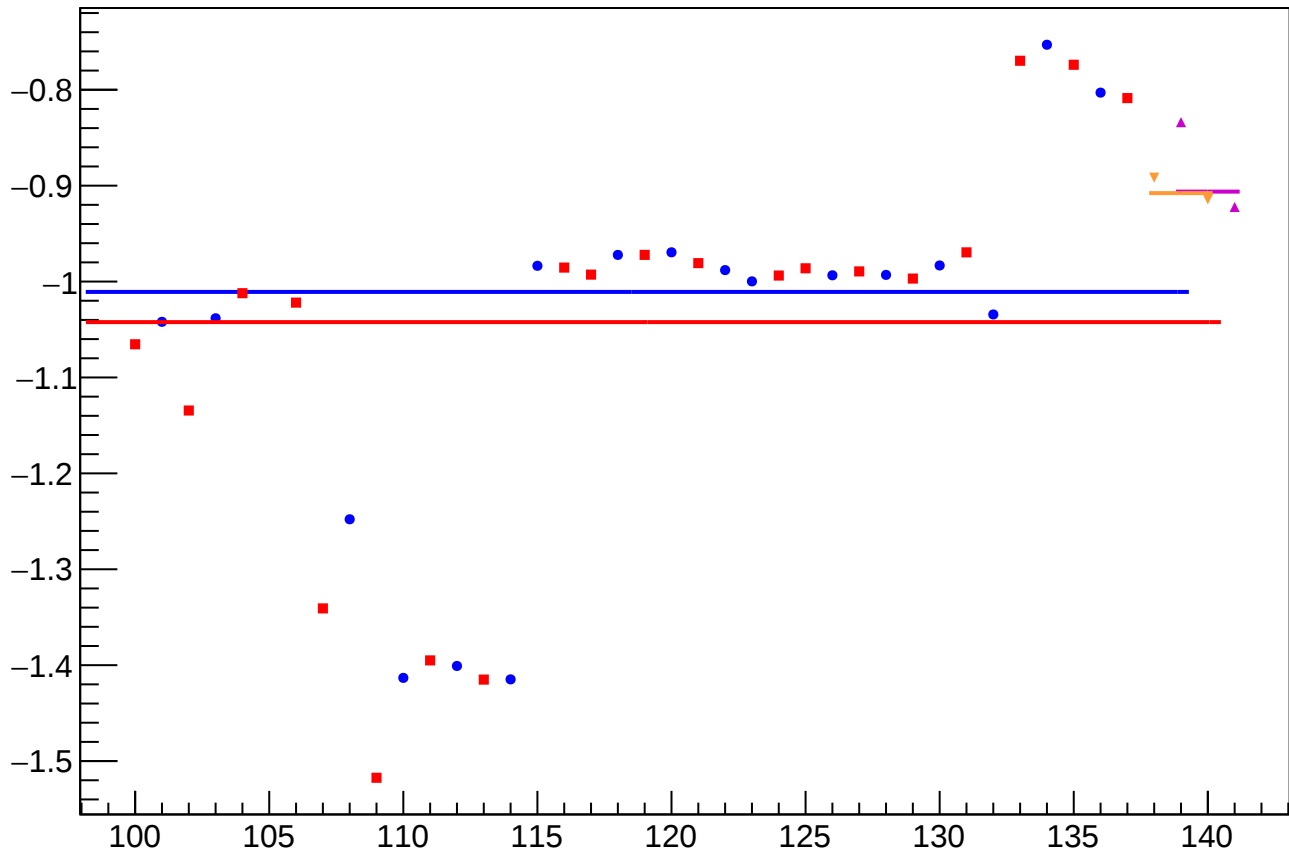
Right Out: 0.013 ± 0.000 χ^2/NDF : 1285911.2/19

Left In: 0.012 ± 0.000 χ^2/NDF : 14955.5/1

0.012 ± 0.000 χ^2/NDF : 1329482.8/18

0.012 ± 0.000 χ^2/NDF : 1323386.5/21

yield_bpm4acX_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.908+/-0.000 χ^2/NDF : 286568.0/1

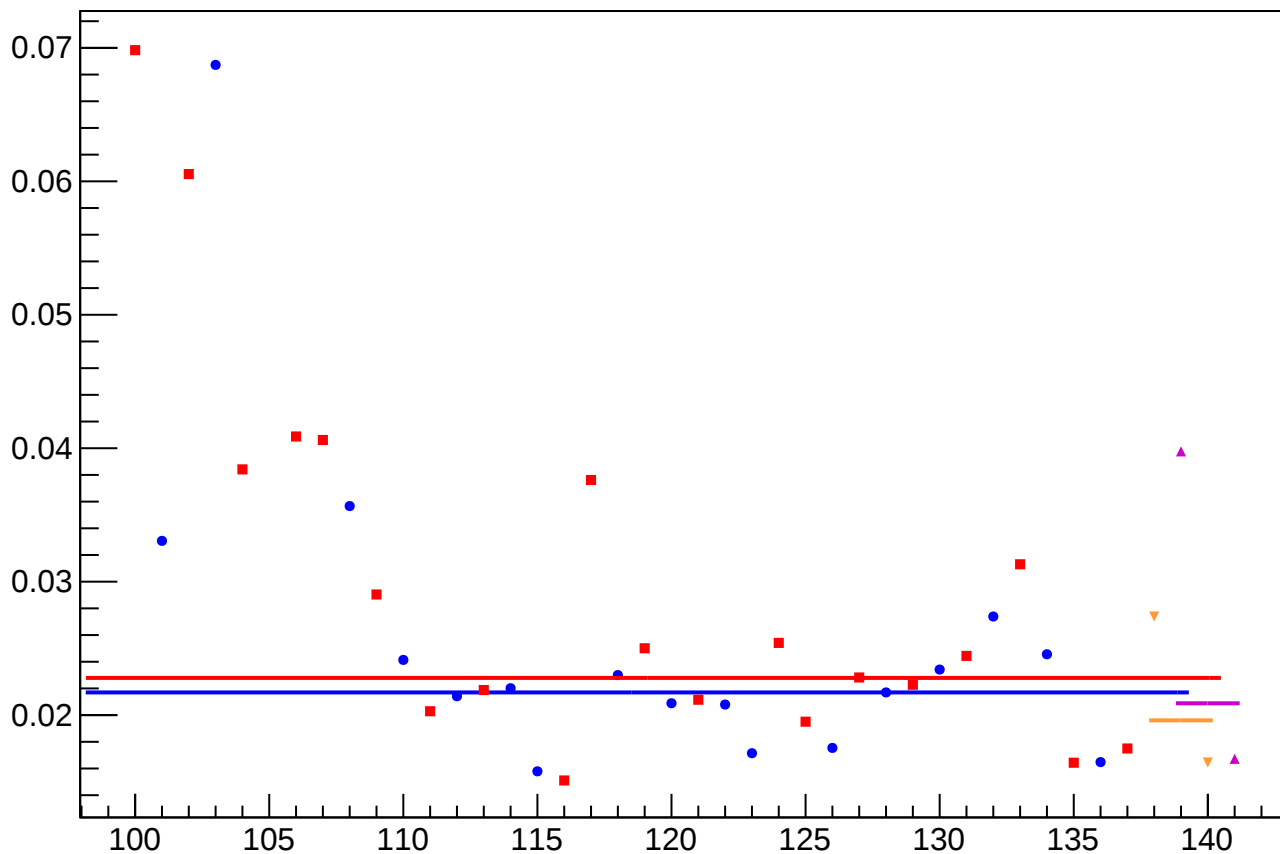
Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

Left In: -0.906+/-0.000 χ^2/NDF : 2918893.1/1

-0.990+/-0.000 χ^2/NDF : 410458452.1/18

-1.015+/-0.000 χ^2/NDF : 569484541.2/21

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 :133923.9/1

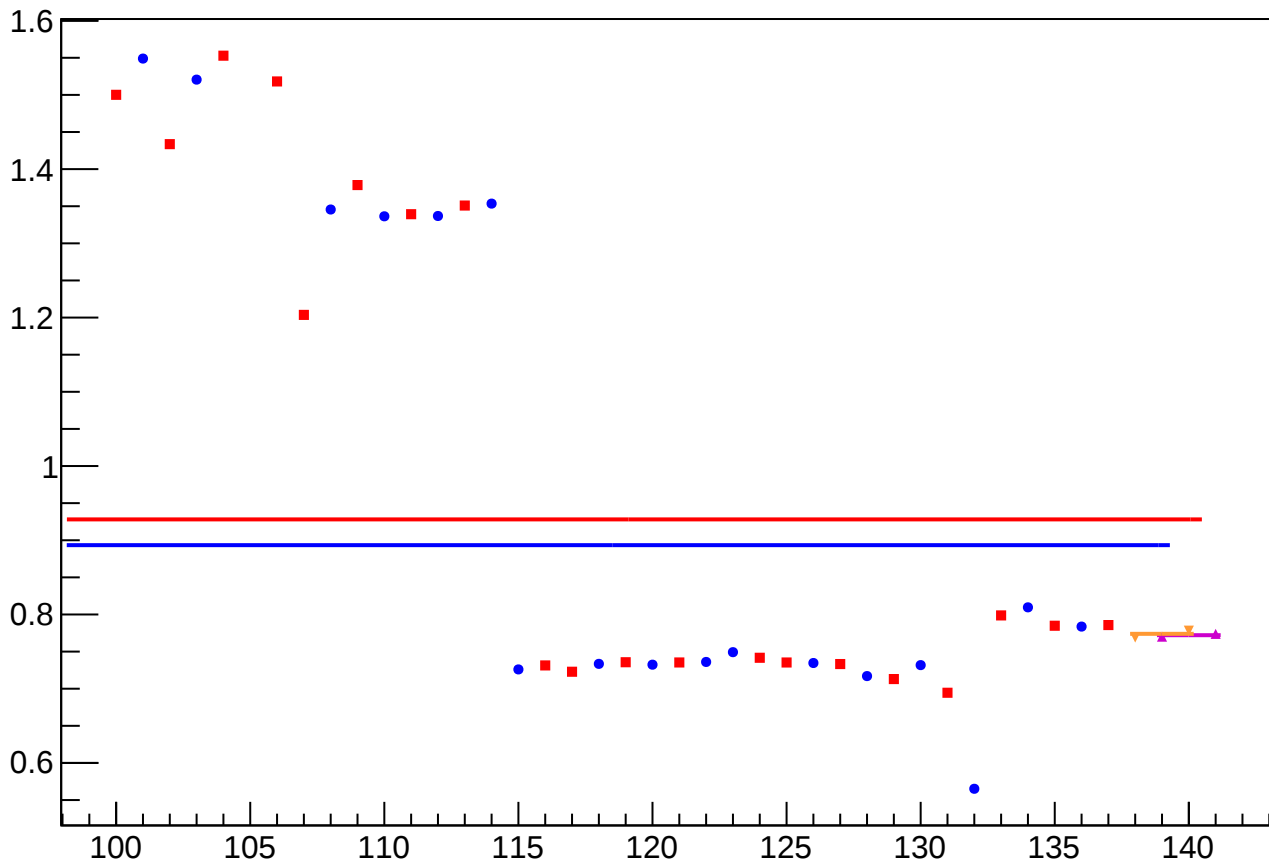
Right Out: 0.023+/-0.000 χ^2/NDF : 1164870.4/19

Left In: 0.021+/-0.000 χ^2/NDF :396659.0/1

0.021+/-0.000 χ^2/NDF : 1132228.1/18

0.022+/-0.000 χ^2/NDF : 1576197.8/21

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.774+/-0.000 χ^2/NDF :222247.6/1

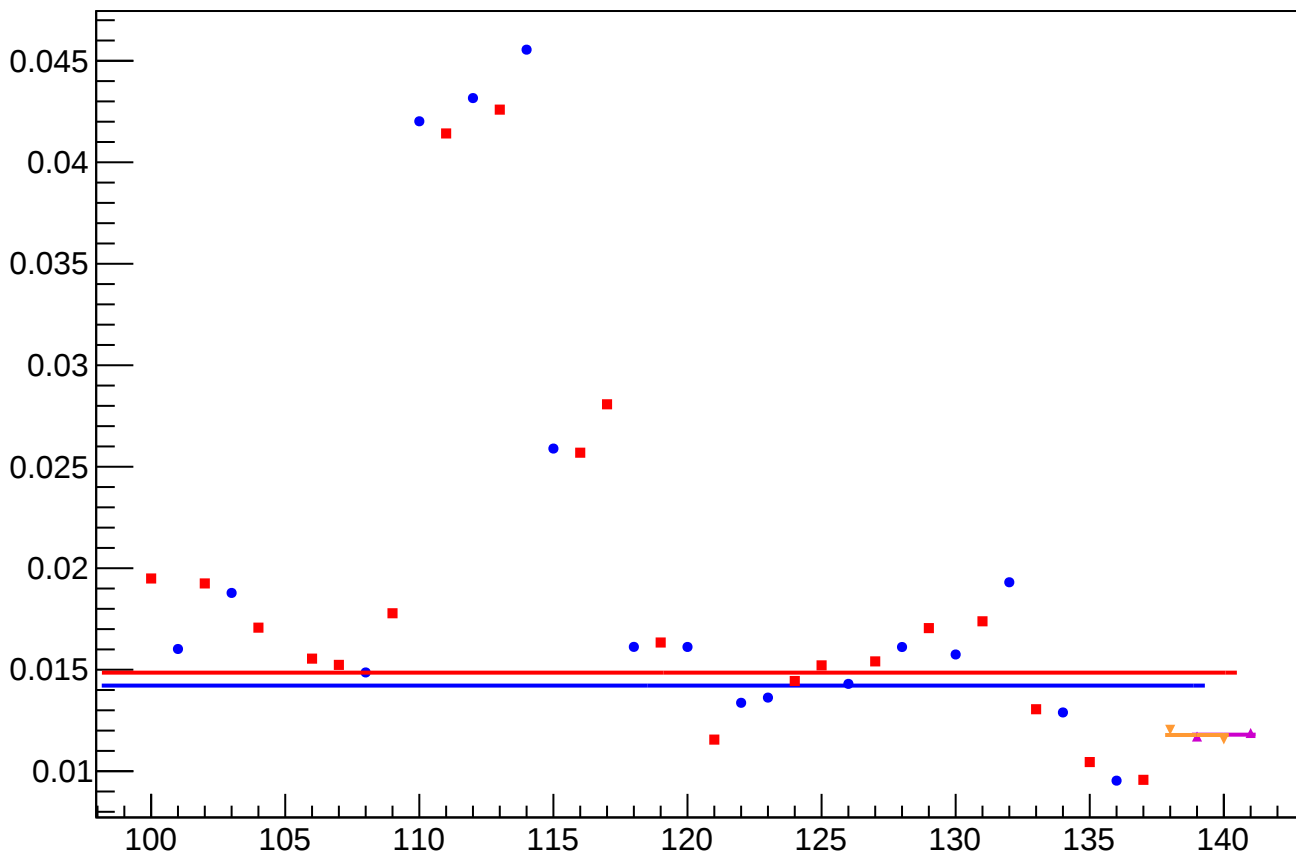
0.861+/-0.000 χ^2/NDF : 2516674015.3/18

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

0.883+/-0.000 χ^2/NDF : 2627452523.0/21

Left In: 0.772+/-0.000 χ^2/NDF :38175.9/1

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012+/-0.000 χ^2/NDF :1164.3/1

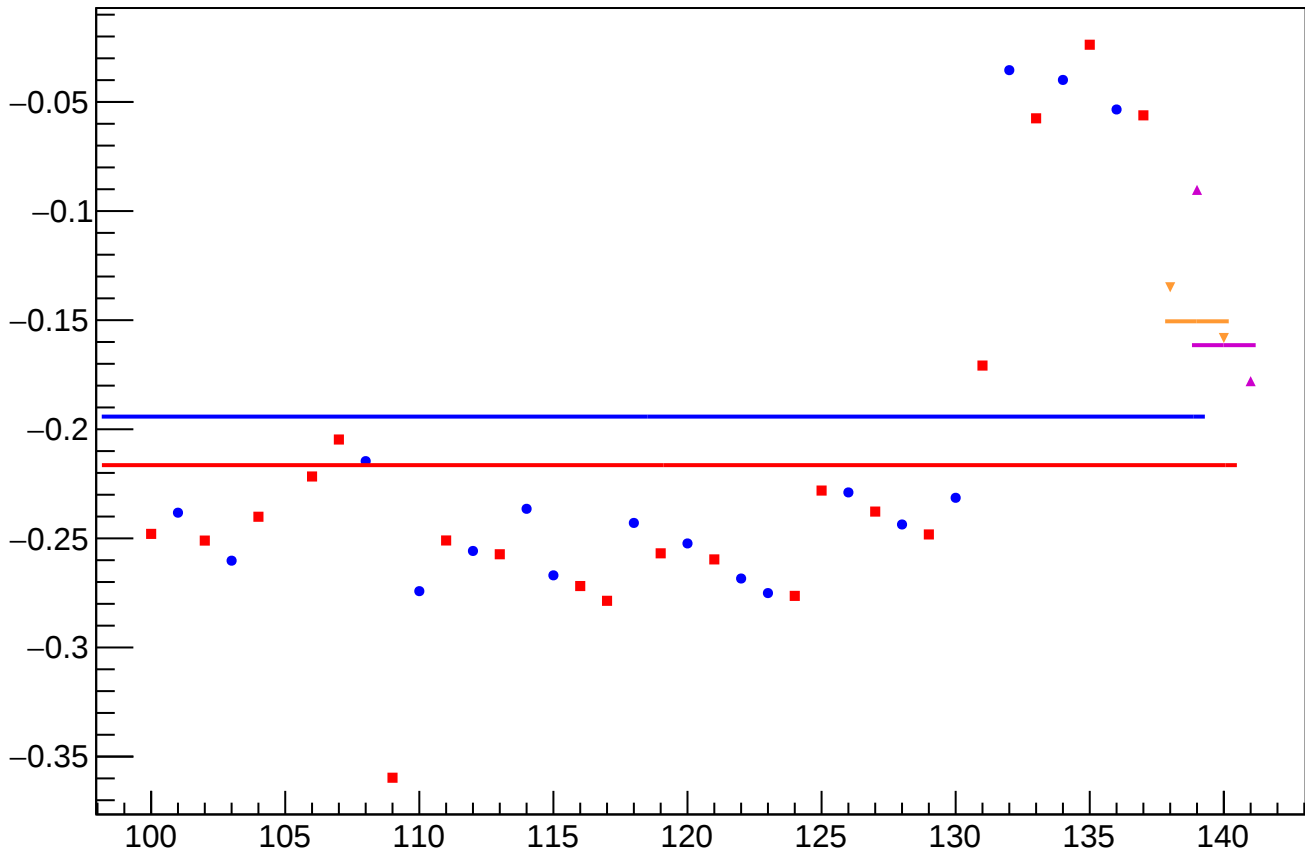
Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

Left In: 0.012+/-0.000 χ^2/NDF :166.2/1

0.014+/-0.000 χ^2/NDF : 1500750.6/18

0.014+/-0.000 χ^2/NDF : 1432266.8/21

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.151+/-0.000 χ^2/NDF : 312526.8/1

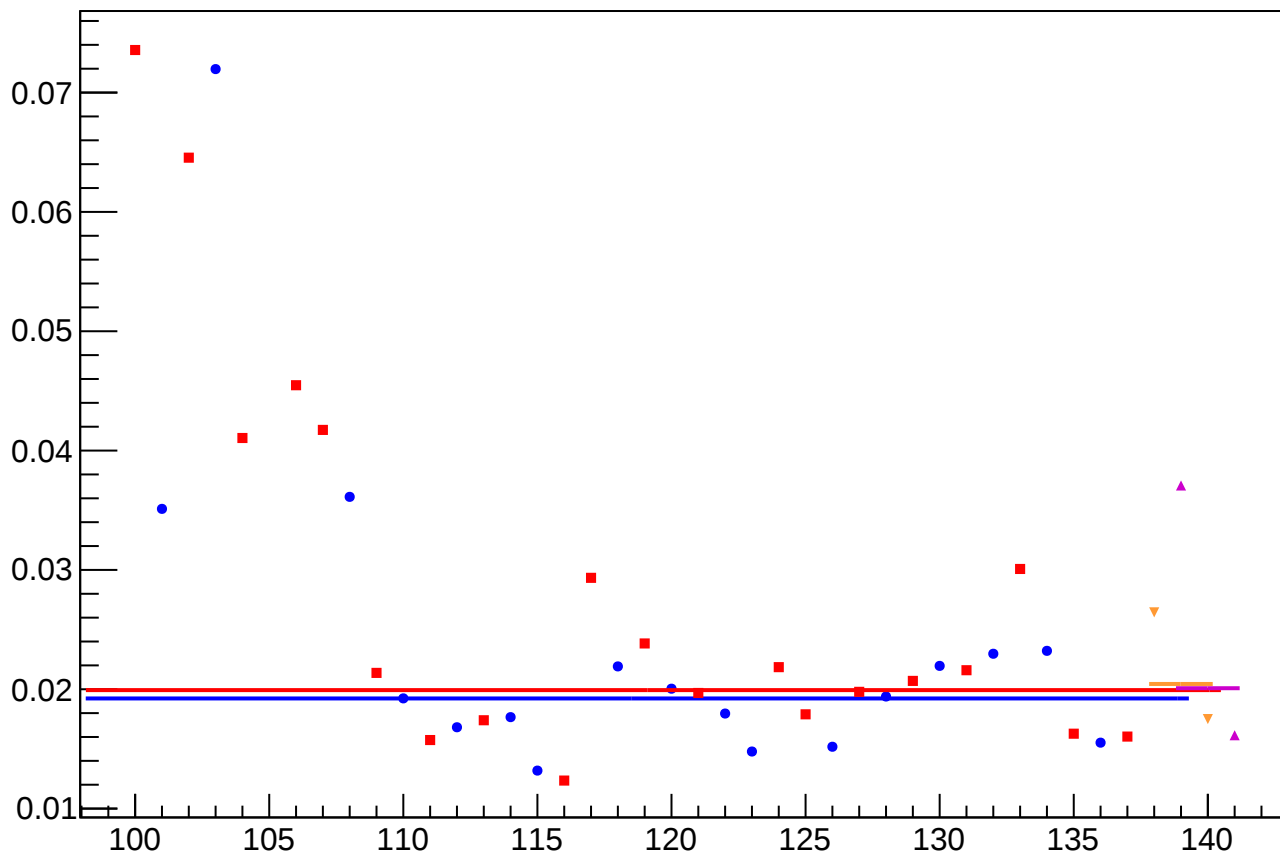
Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

Left In: -0.161+/-0.000 χ^2/NDF : 3262660.6/1

-0.187+/-0.000 χ^2/NDF : 112918386.7/18

-0.207+/-0.000 χ^2/NDF : 121410873.0/21

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.020+/-0.000 χ^2/NDF : 92547.7/1

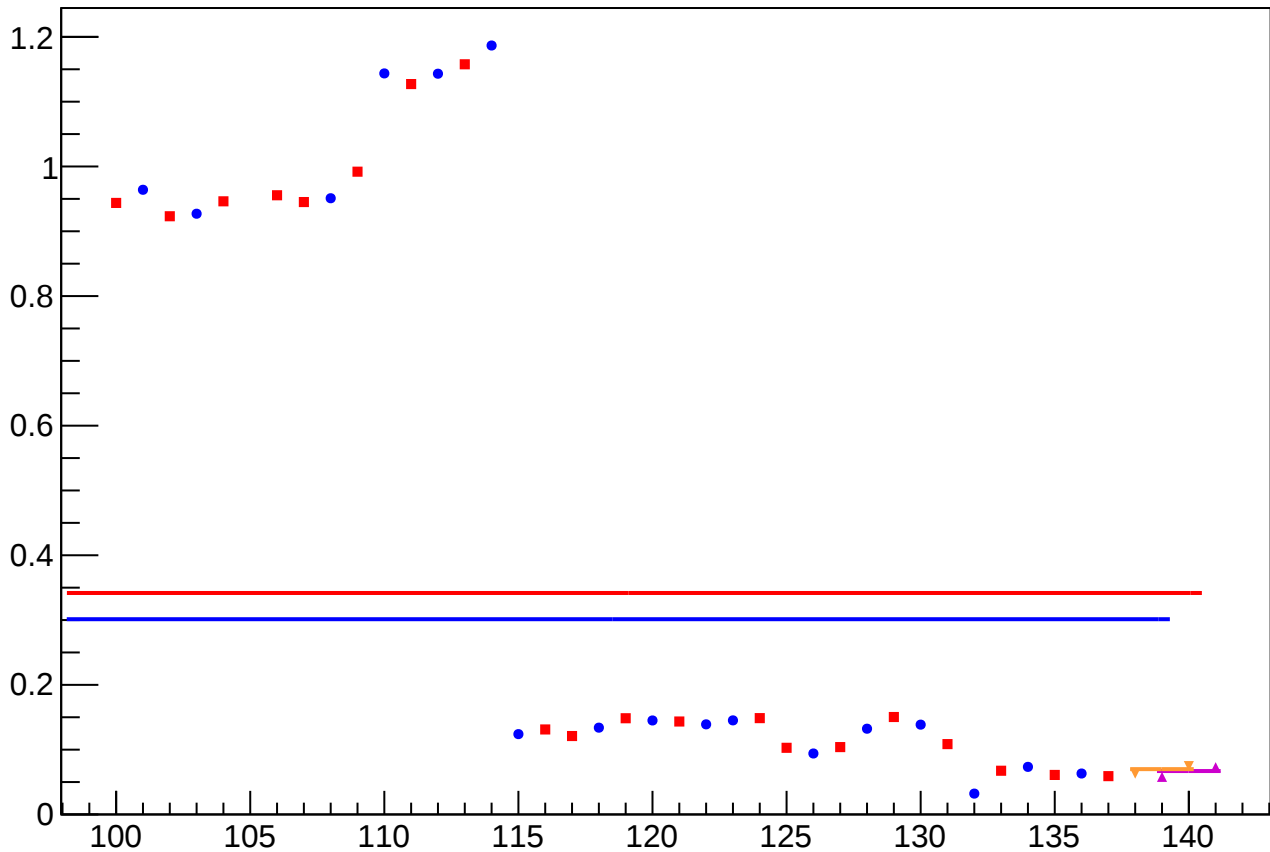
Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

Left In: 0.020+/-0.000 χ^2/NDF : 371887.0/1

0.019+/-0.000 χ^2/NDF : 1273592.7/18

0.020+/-0.000 χ^2/NDF : 1824732.7/21

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.070+/-0.000 χ^2/NDF :344703.9/1

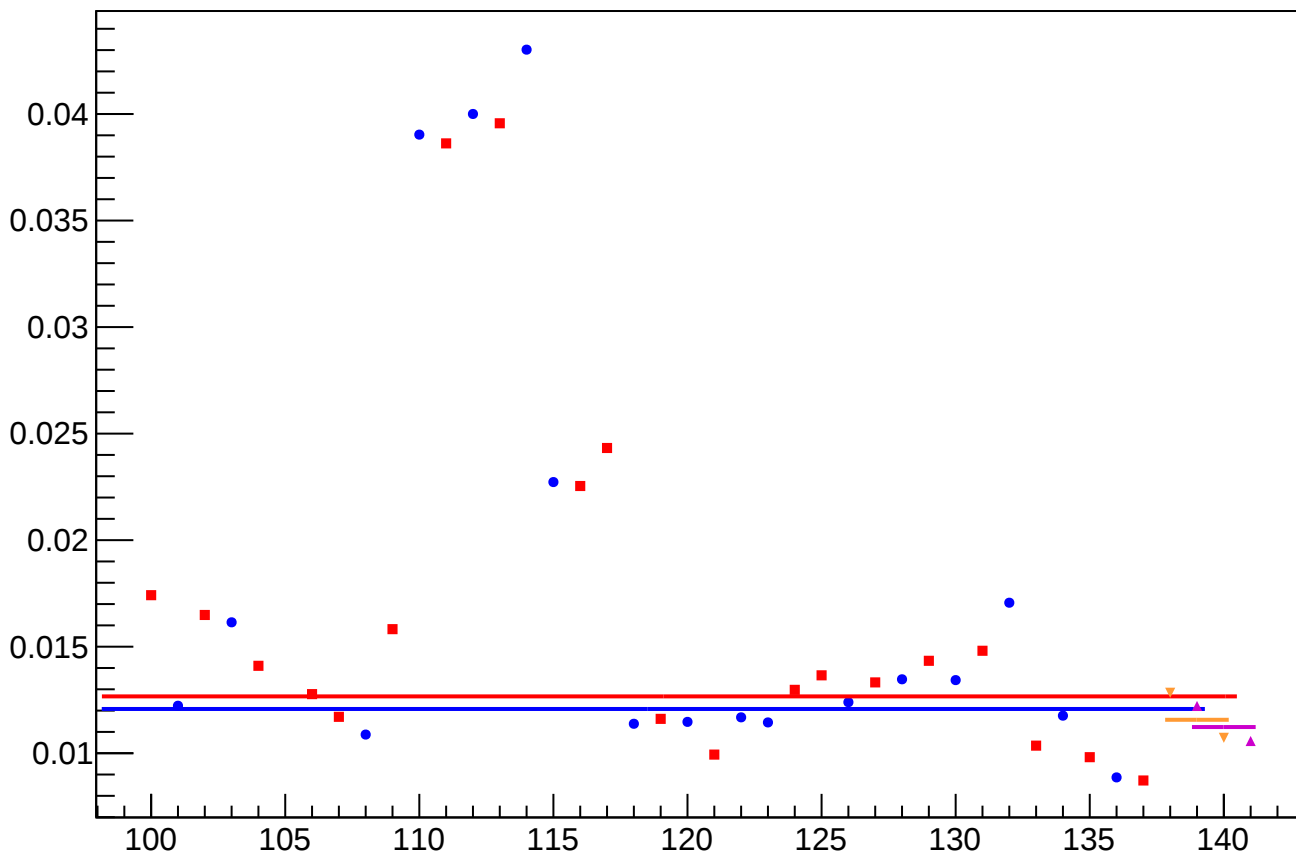
0.251+/-0.000 χ^2/NDF : 5603248732.6/18

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

0.275+/-0.000 χ^2/NDF : 6123993847.9/21

Left In: 0.067+/-0.000 χ^2/NDF :633267.1/1

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.012+/-0.000 χ^2/NDF :22967.2/1

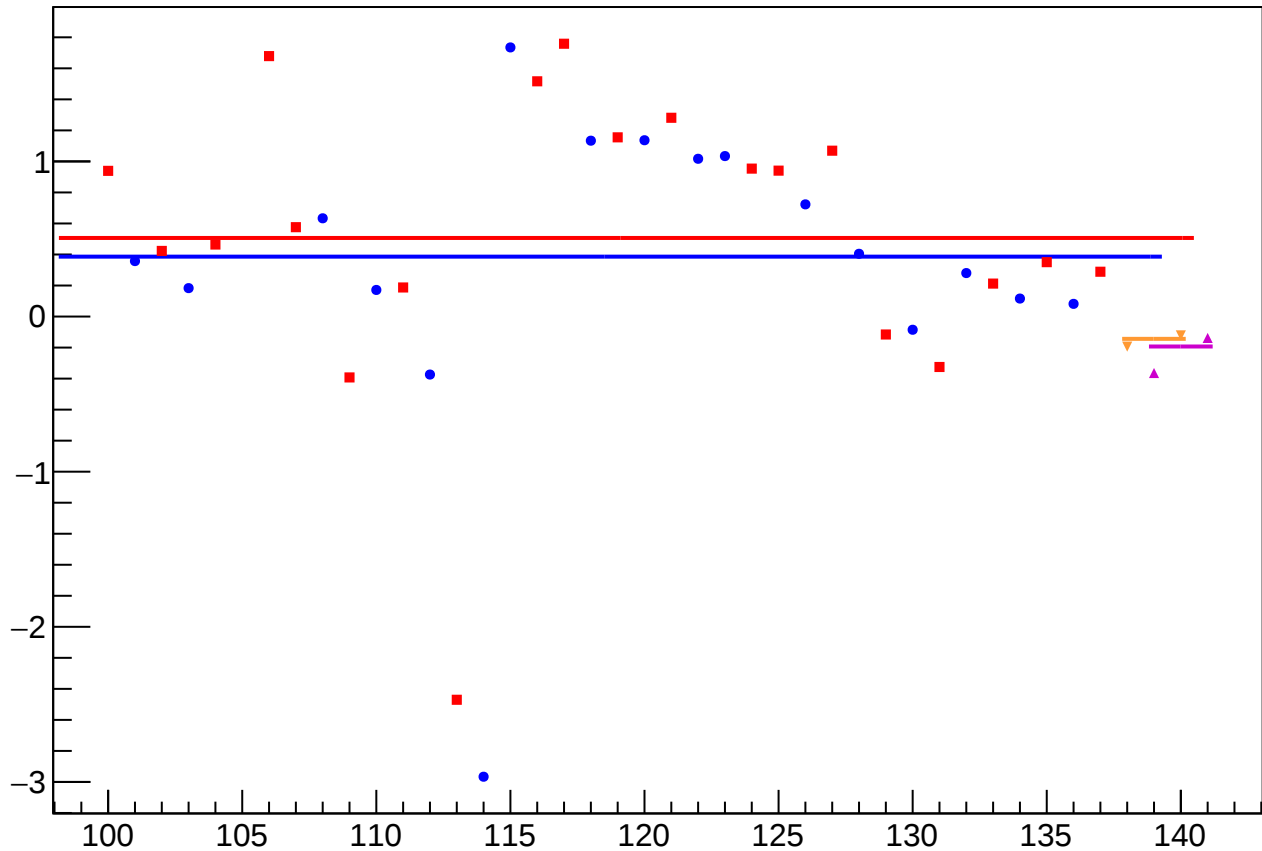
Right Out: 0.013+/-0.000 χ^2/NDF : 1253755.7/19

Left In: 0.011+/-0.000 χ^2/NDF :15389.1/1

0.012+/-0.000 χ^2/NDF : 1307617.9/18

0.012+/-0.000 χ^2/NDF : 1306271.7/21

yield_bpm1X_mean vs Slug



Right In: 0.386 ± 0.000 χ^2/NDF : 246380221.7/16

Left Out: -0.144 ± 0.000 χ^2/NDF : 112071.2/1

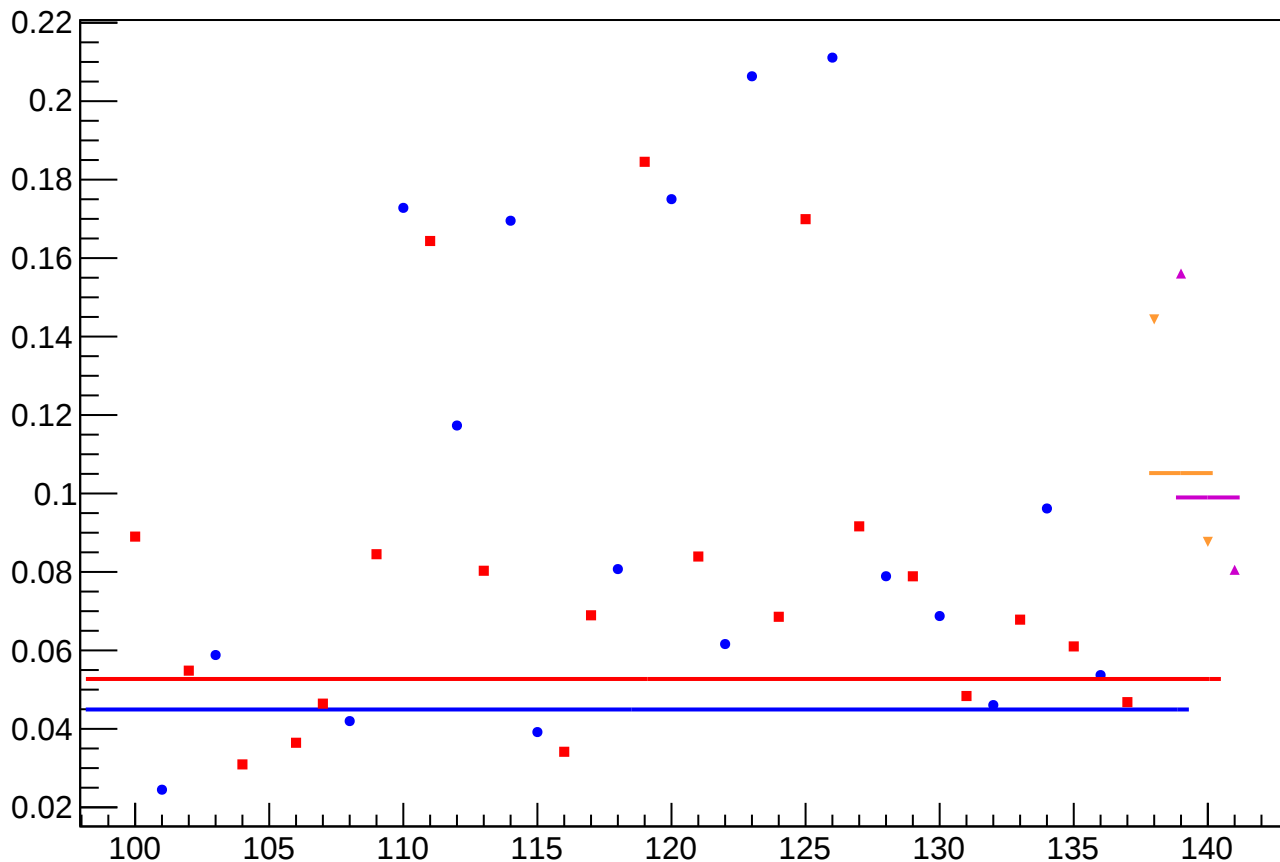
Right Out: 0.507 ± 0.000 χ^2/NDF : 995373603.6/19

Left In: -0.193 ± 0.000 χ^2/NDF : 1002420.3/1

0.358 ± 0.000 χ^2/NDF : 273013710.7/18

0.460 ± 0.000 χ^2/NDF : 1044914749.0/21

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.105+/-0.000 χ^2/NDF :137096.5/1

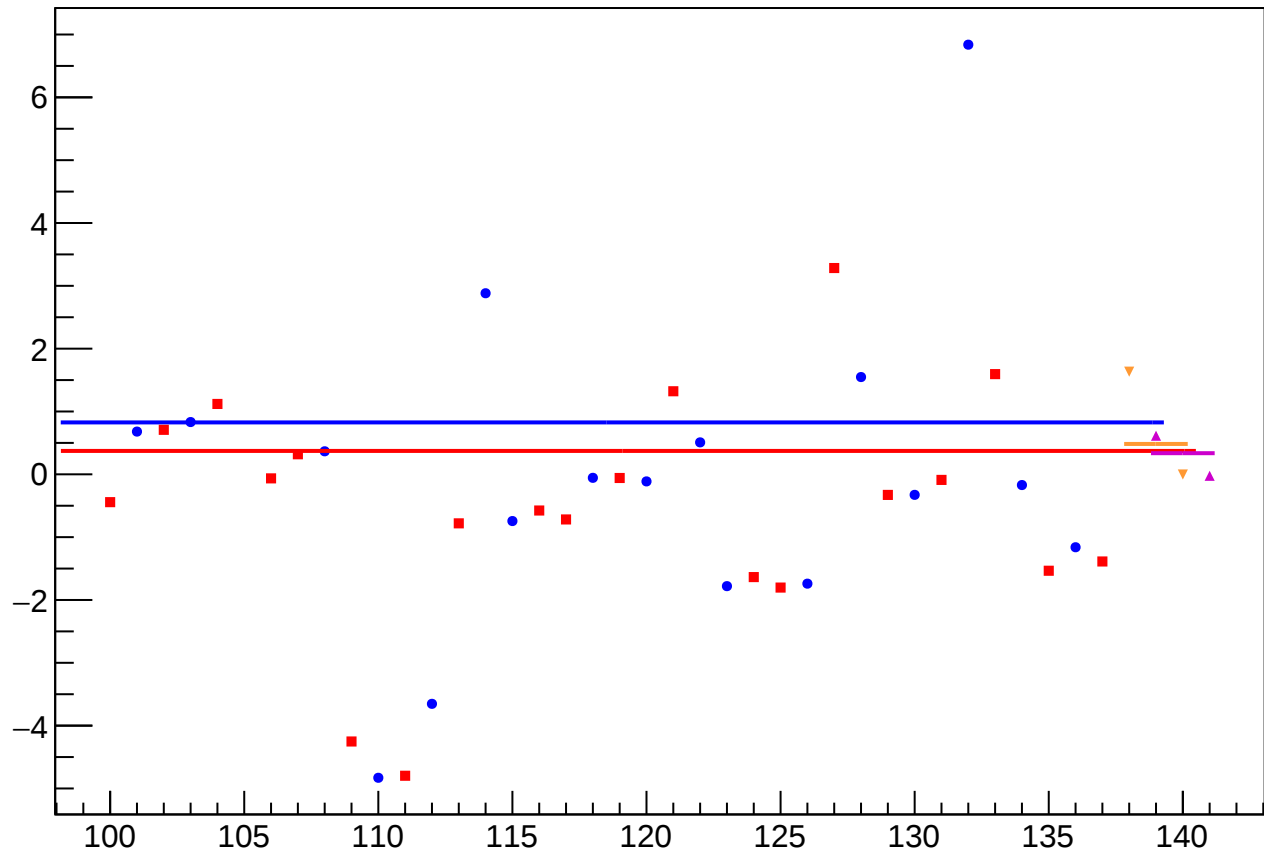
Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

Left In: 0.099+/-0.000 χ^2/NDF :223543.5/1

0.048+/-0.000 χ^2/NDF : 3611299.4/18

0.056+/-0.000 χ^2/NDF : 2843953.7/21

yield_bpm1Y_mean vs Slug



Right In: 0.826 ± 0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.483 ± 0.000 χ^2/NDF : 107580227.6/1

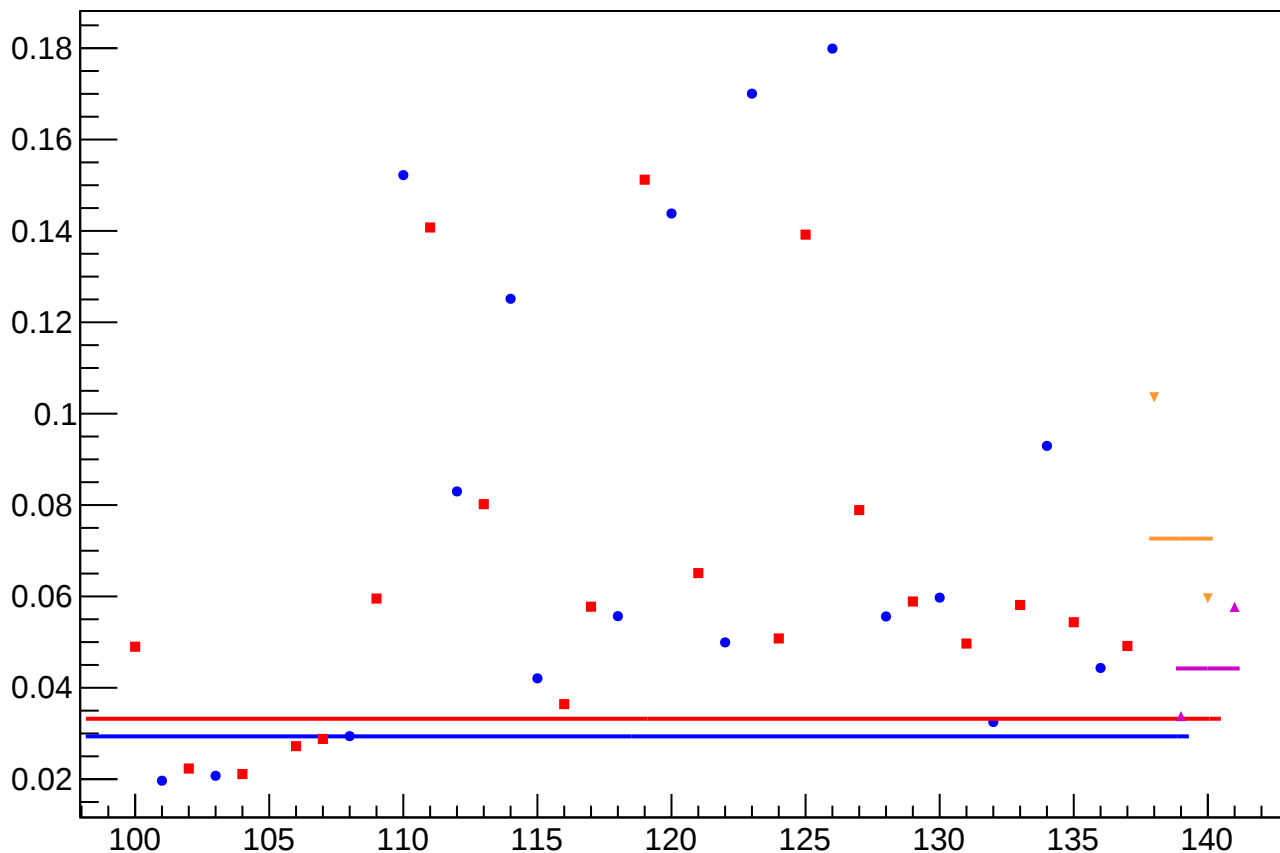
Right Out: 0.372 ± 0.000 χ^2/NDF : 4960201861.0/19

Left In: 0.336 ± 0.000 χ^2/NDF : 32556864.5/1

0.810 ± 0.000 χ^2/NDF : 11074581752.4/18

0.369 ± 0.000 χ^2/NDF : 4993147090.0/21

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.073+/-0.000 χ^2/NDF :155553.7/1

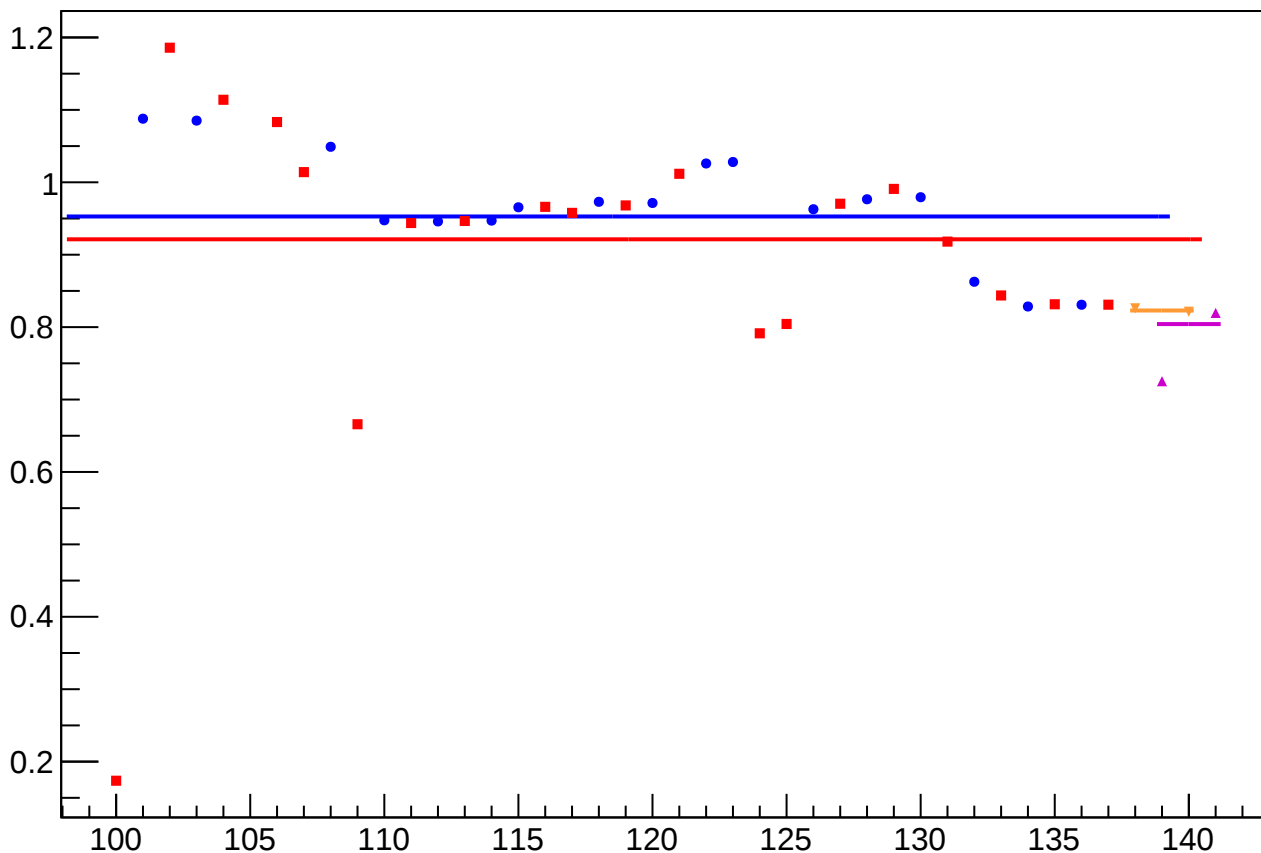
Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

Left In: 0.044+/-0.000 χ^2/NDF :91430.8/1

0.031+/-0.000 χ^2/NDF : 3829988.2/18

0.034+/-0.000 χ^2/NDF : 3275865.1/21

yield_bpm11X_mean vs Slug



Right In: 0.953 ± 0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.823 ± 0.000 χ^2/NDF : 37322.6/1

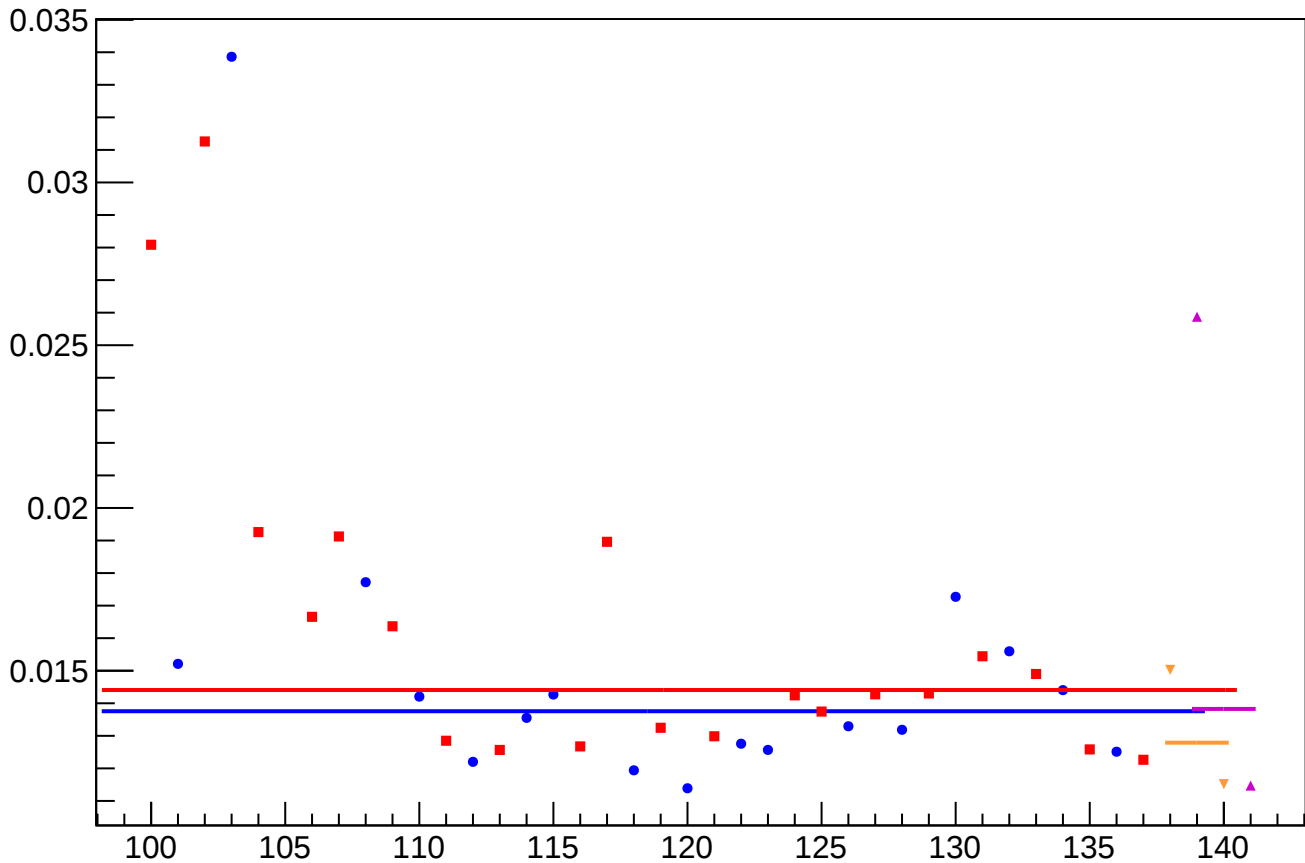
Right Out: 0.921 ± 0.000 χ^2/NDF : 374306248.8/19

Left In: 0.804 ± 0.000 χ^2/NDF : 7777894.8/1

0.928 ± 0.000 χ^2/NDF : 273596732.9/18

0.900 ± 0.000 χ^2/NDF : 454049009.9/21

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 40866.2/1

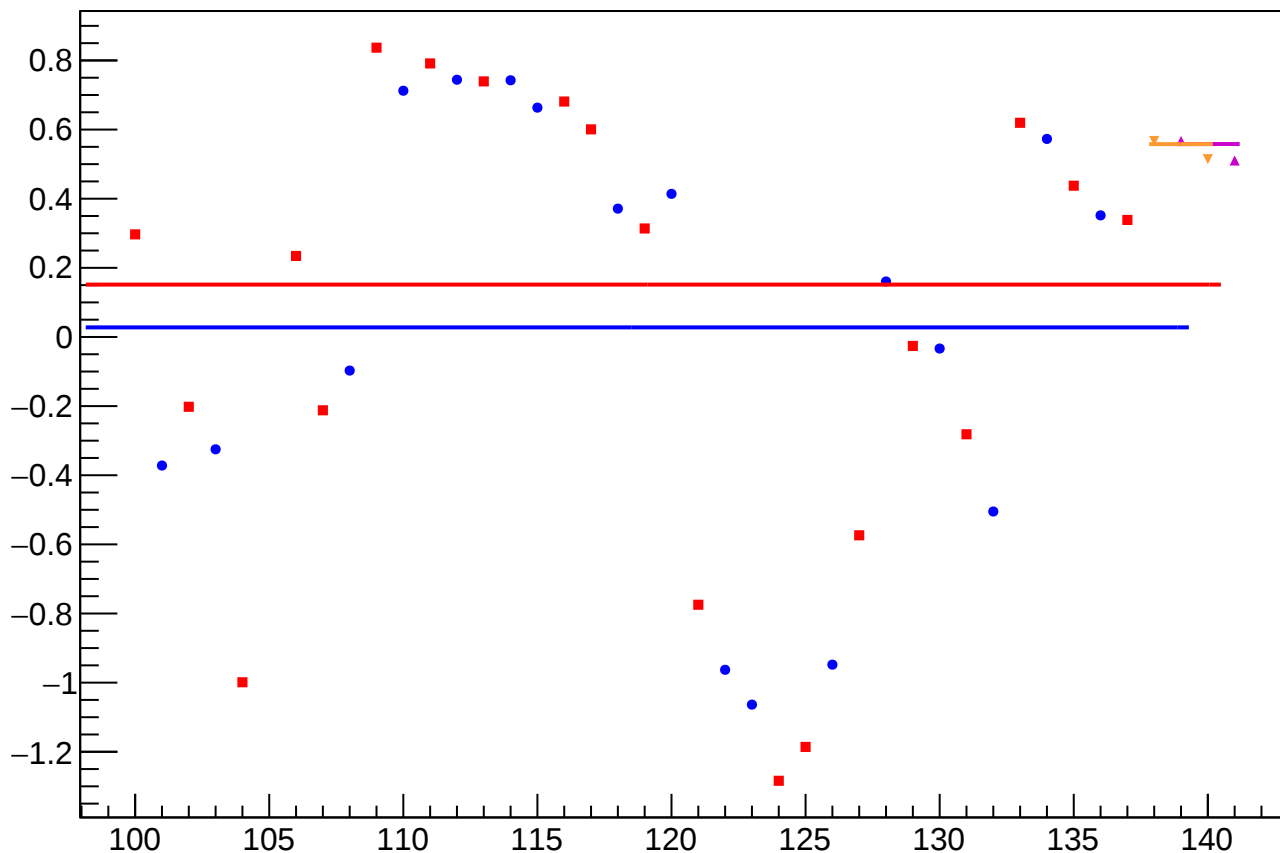
Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

Left In: 0.014+/-0.000 χ^2/NDF : 362687.8/1

0.014+/-0.000 χ^2/NDF : 590167.7/18

0.014+/-0.000 χ^2/NDF : 874853.4/21

yield_bpm11Y_mean vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.558 $\pm$ 0.000 χ^2 /NDF:8457549.3/1

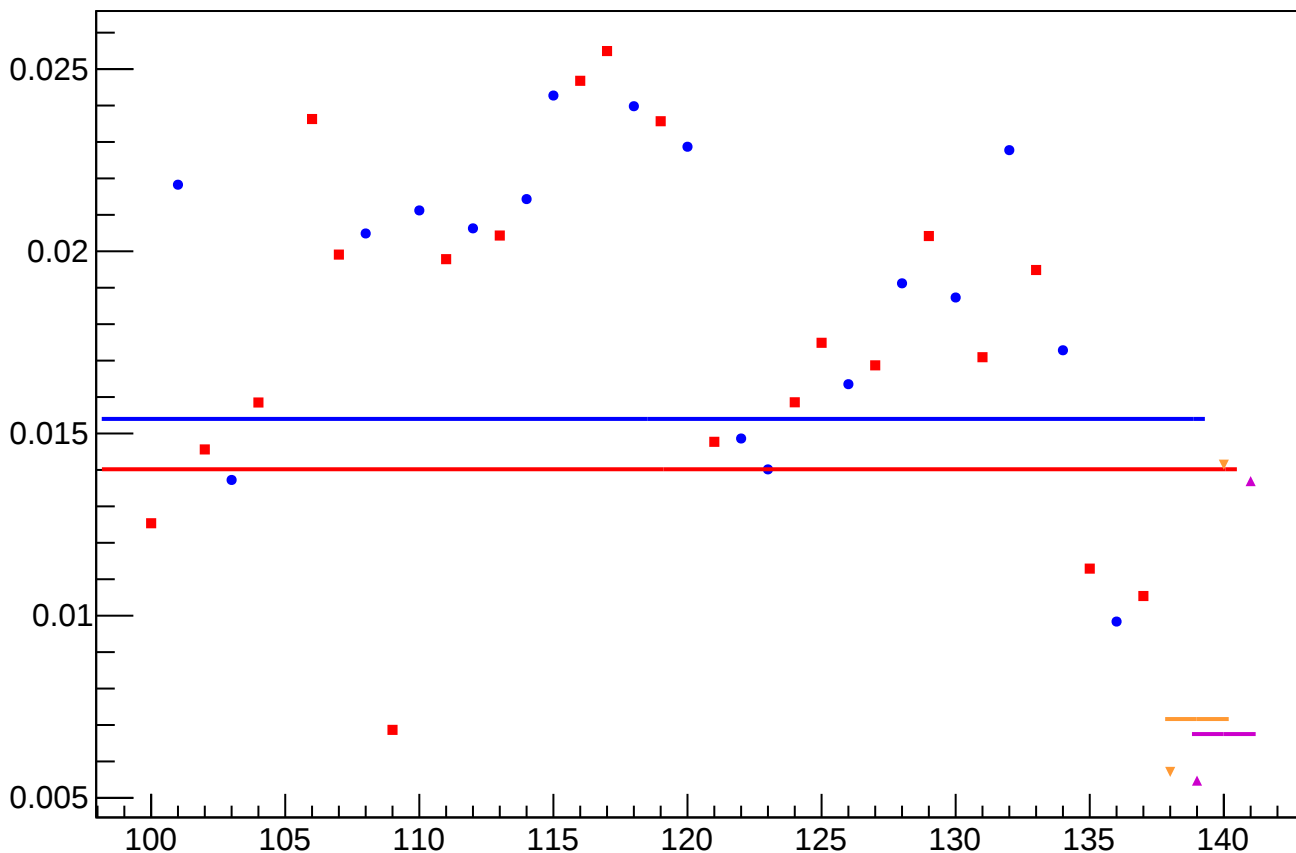
Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12665480117.0/19

Left In: 0.558 $\pm$ 0.000 χ^2 /NDF:11145787.0/1

0.280 $\pm$ 0.000 χ^2 /NDF: 9446887021.3/18

0.348 $\pm$ 0.000 χ^2 /NDF: 14961633576.7/21

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.007+/-0.000 χ^2/NDF : 435204.5/1

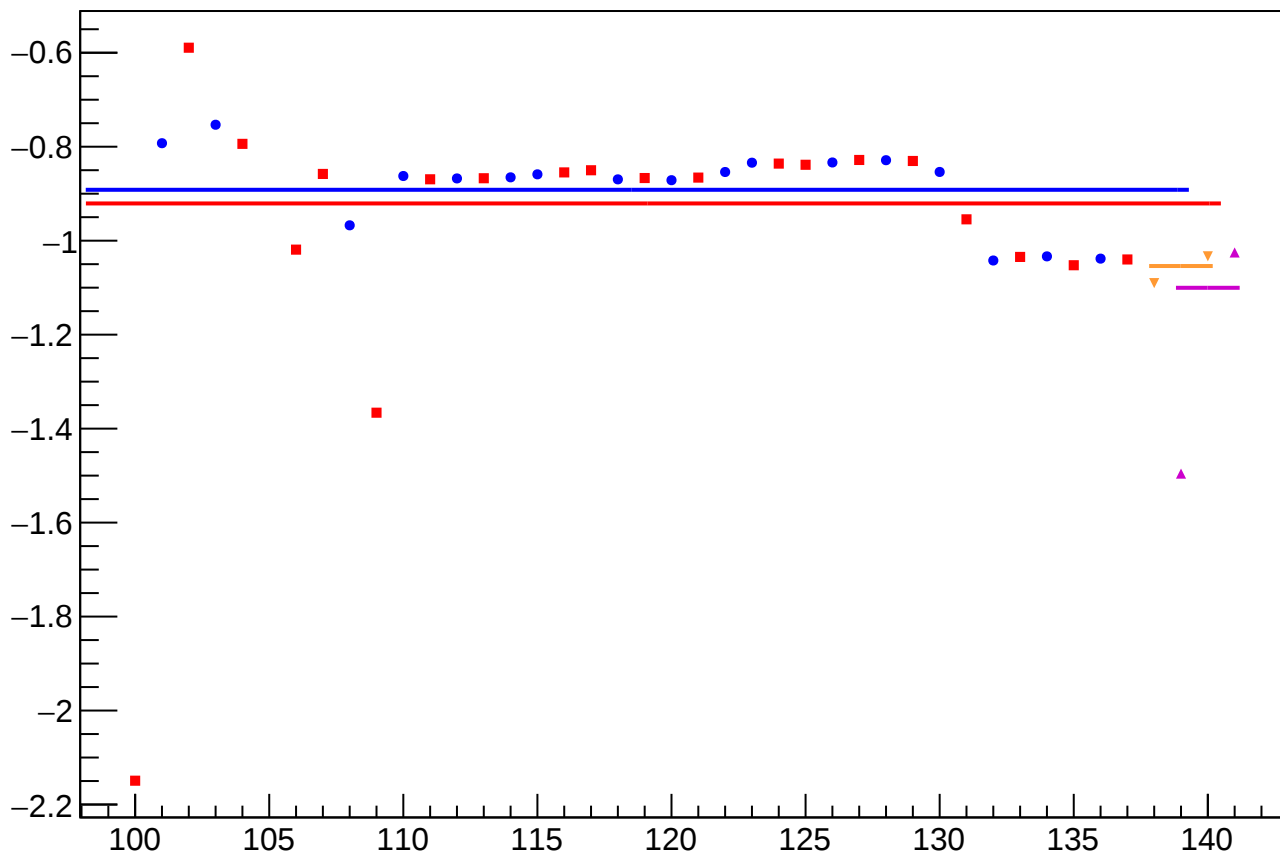
0.011+/-0.000 χ^2/NDF : 3103241.8/18

Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

0.011+/-0.000 χ^2/NDF : 3510273.6/21

Left In: 0.007+/-0.000 χ^2/NDF : 474182.7/1

yield_bpm12X_mean vs Slug



Right In: -0.892 ± 0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.054 ± 0.000 χ^2/NDF : 832030.8/1

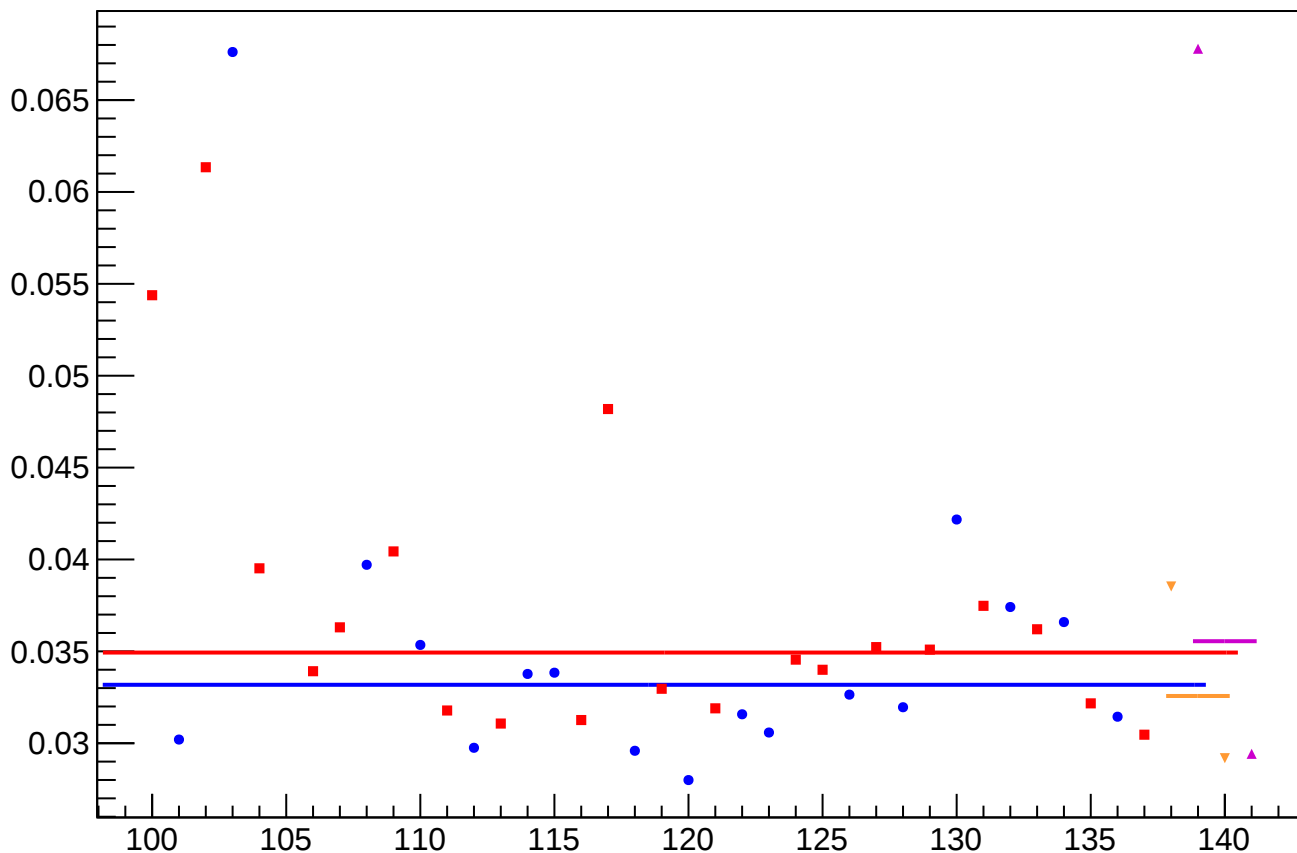
Right Out: -0.921 ± 0.000 χ^2/NDF : 131248005.3/19

Left In: -1.100 ± 0.000 χ^2/NDF : 28321231.5/1

-0.920 ± 0.000 χ^2/NDF : 64720924.1/18

-0.949 ± 0.000 χ^2/NDF : 185414534.5/21

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 : 44667.6/1

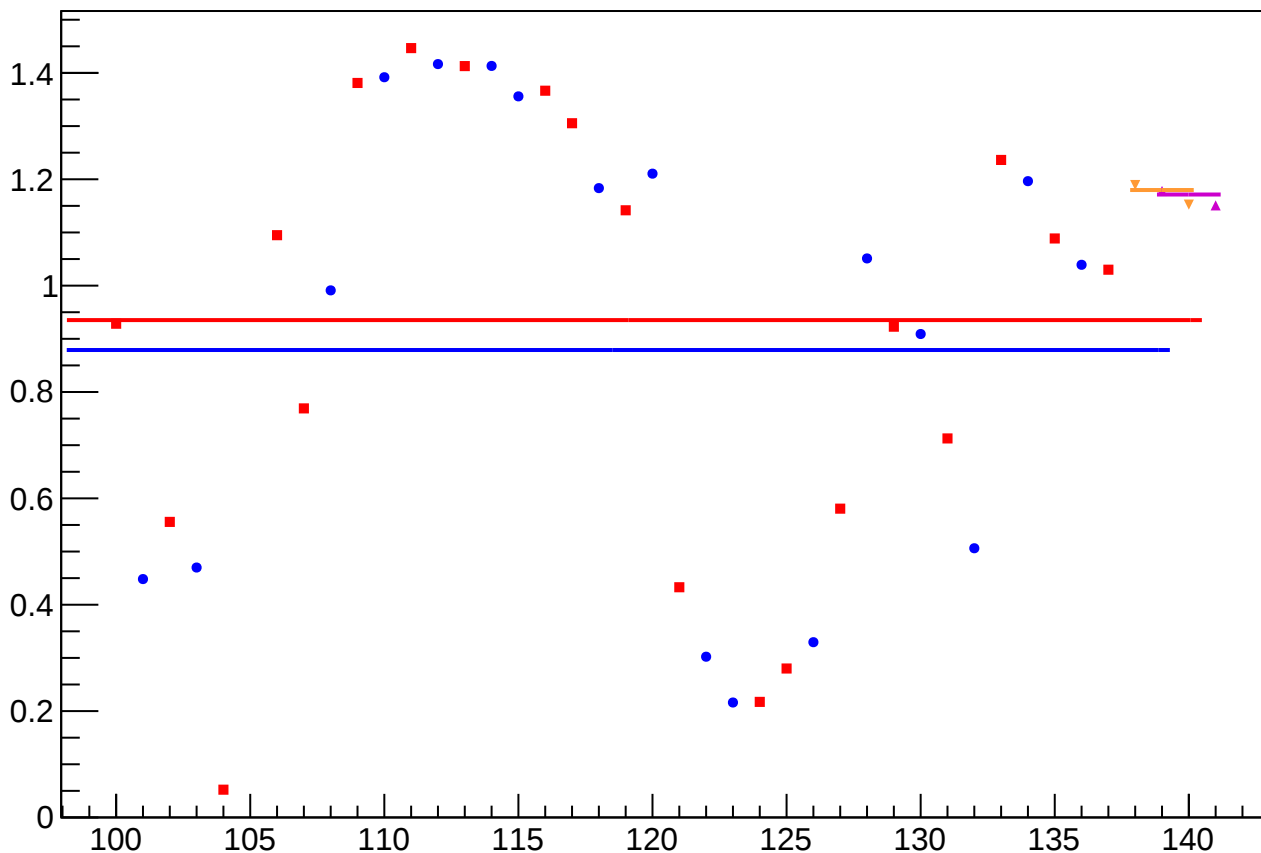
Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

Left In: 0.036+/-0.000 χ^2/NDF : 376507.3/1

0.033+/-0.000 χ^2/NDF : 445452.3/18

0.035+/-0.000 χ^2/NDF : 658375.8/21

yield_bpm12Y_mean vs Slug



Right In: 0.879 ± 0.000 χ^2/NDF : 6371602566.2/16

Left Out: 1.180 ± 0.000 χ^2/NDF : 8148504.4/1

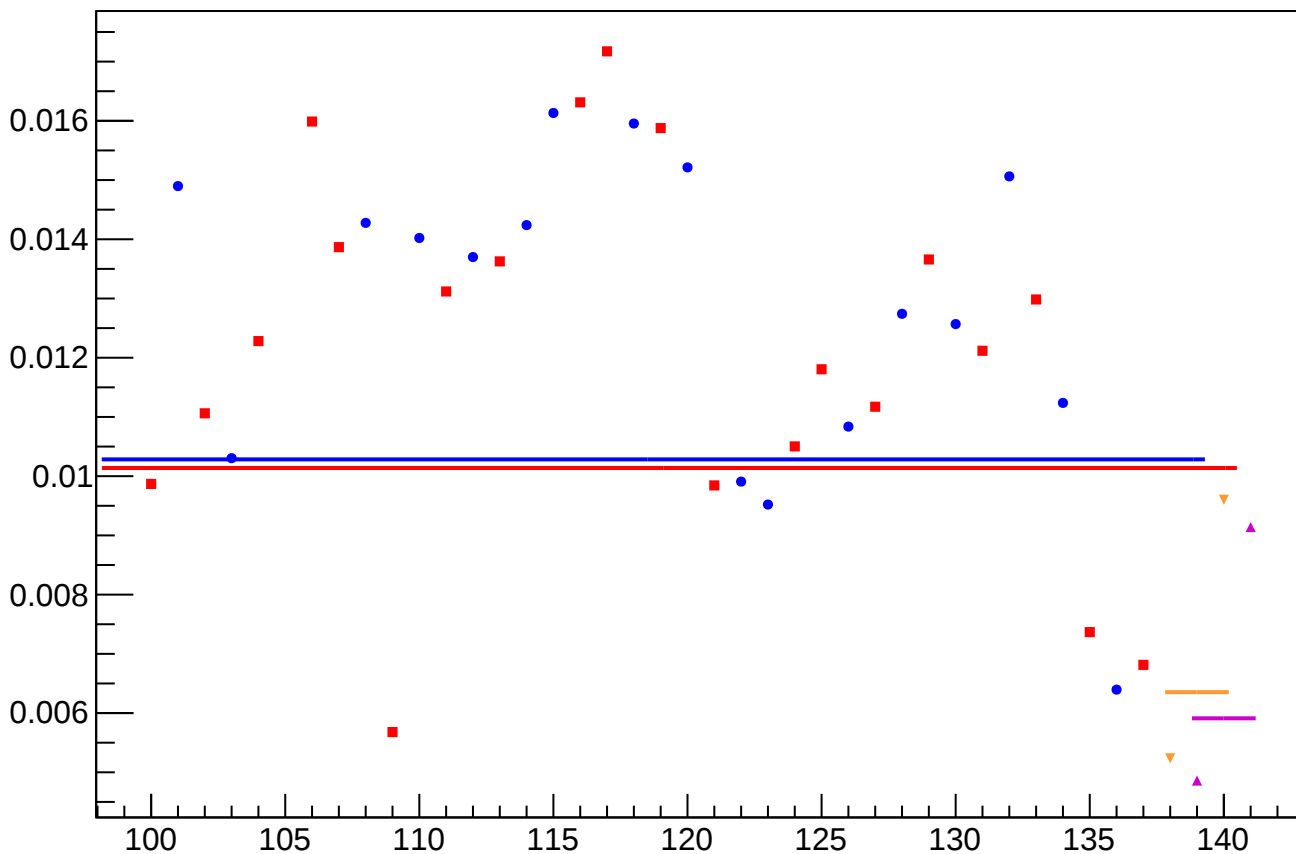
Right Out: 0.935 ± 0.000 χ^2/NDF : 9844960466.1/19

Left In: 1.171 ± 0.000 χ^2/NDF : 5182898.4/1

0.992 ± 0.000 χ^2/NDF : 8162618279.8/18

1.030 ± 0.000 χ^2/NDF : 11123553971.3/21

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:228673.8/1

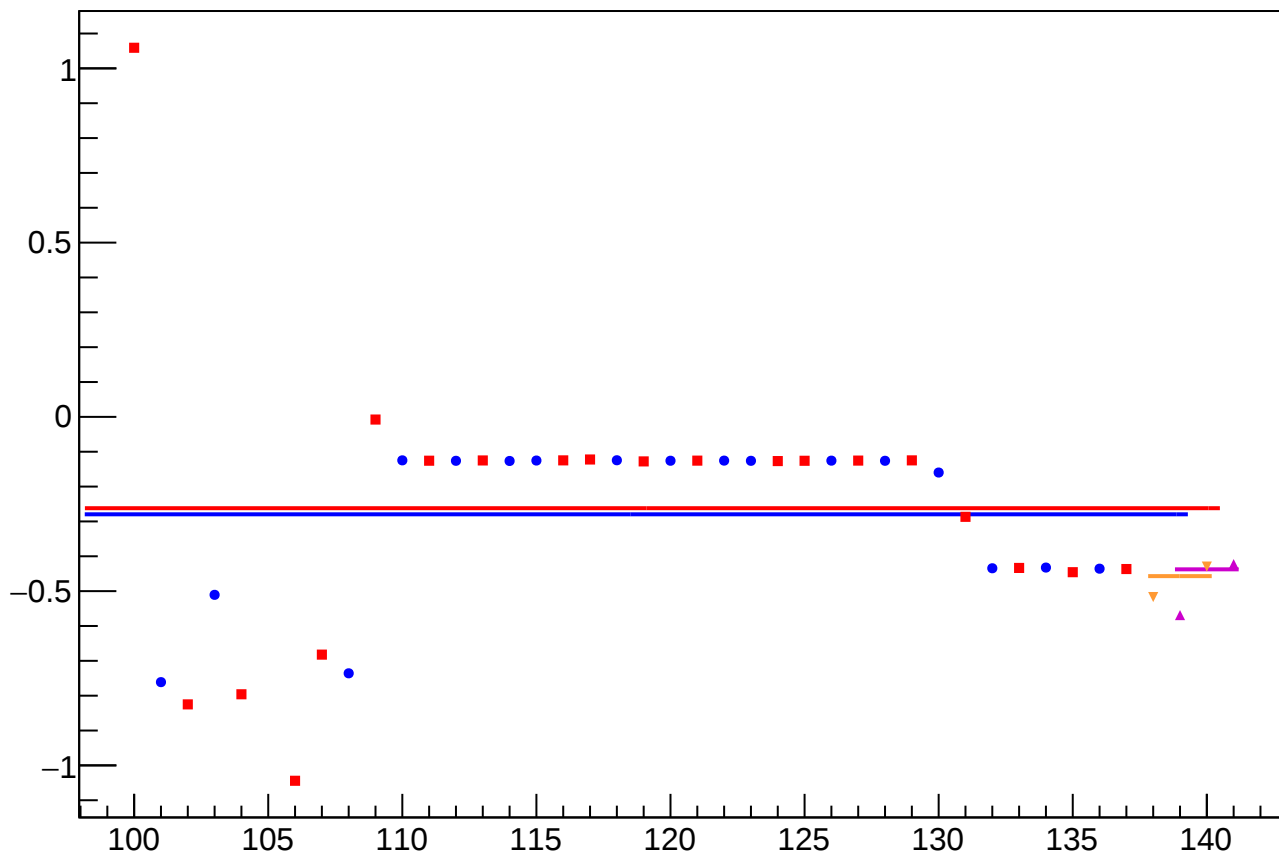
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1189529.0/19

Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:258434.8/1

0.009 $\pm$ 0.000 χ^2 /NDF: 2044826.6/18

0.008 $\pm$ 0.000 χ^2 /NDF: 2263940.9/21

yield_bpm16X_mean vs Slug



Right In: -0.280+/-0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.457+/-0.000 χ^2/NDF : 18989256.3/1

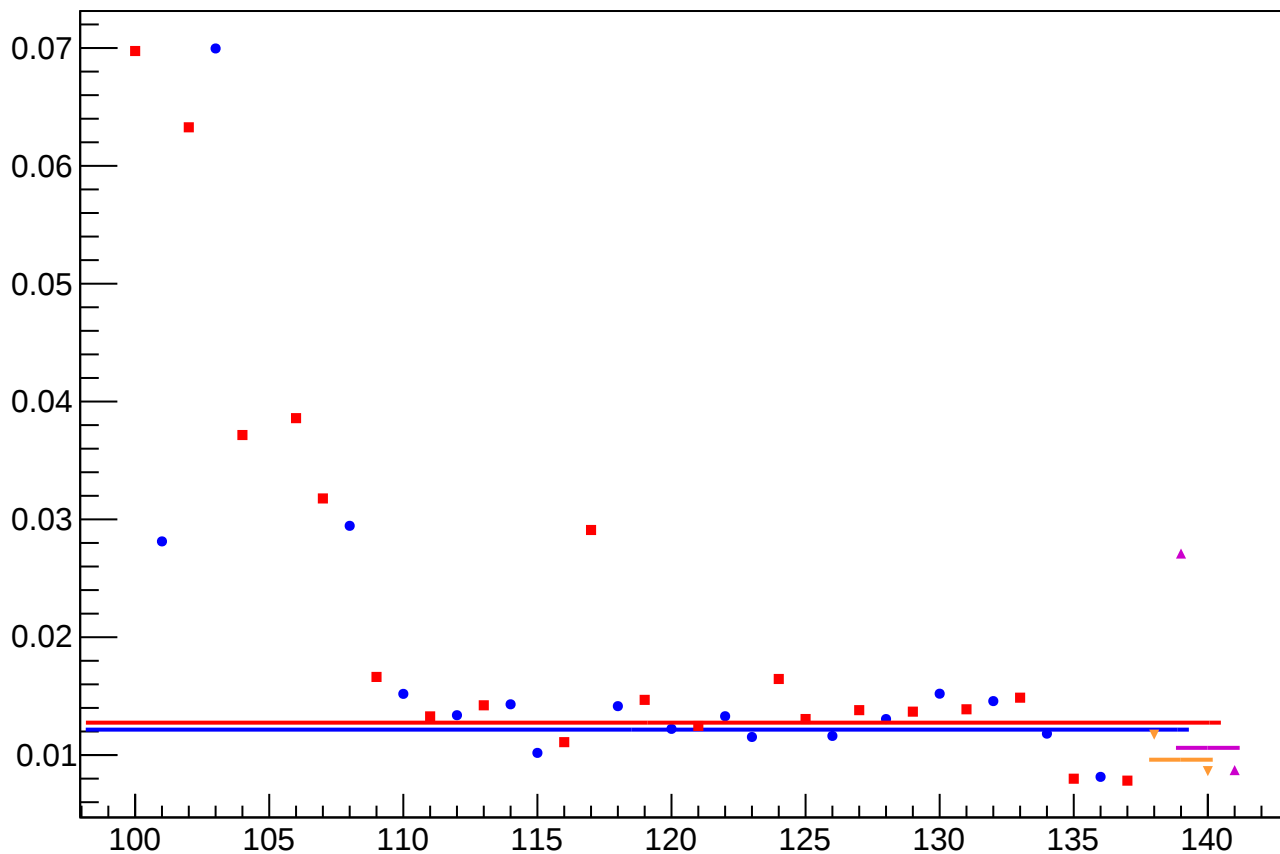
-0.327+/-0.000 χ^2/NDF : 1214080065.6/18

Right Out: -0.262+/-0.000 χ^2/NDF : 1007161741.8/19

-0.304+/-0.000 χ^2/NDF : 1245797428.3/21

Left In: -0.437+/-0.000 χ^2/NDF : 18566367.7/1

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 47637.9/1

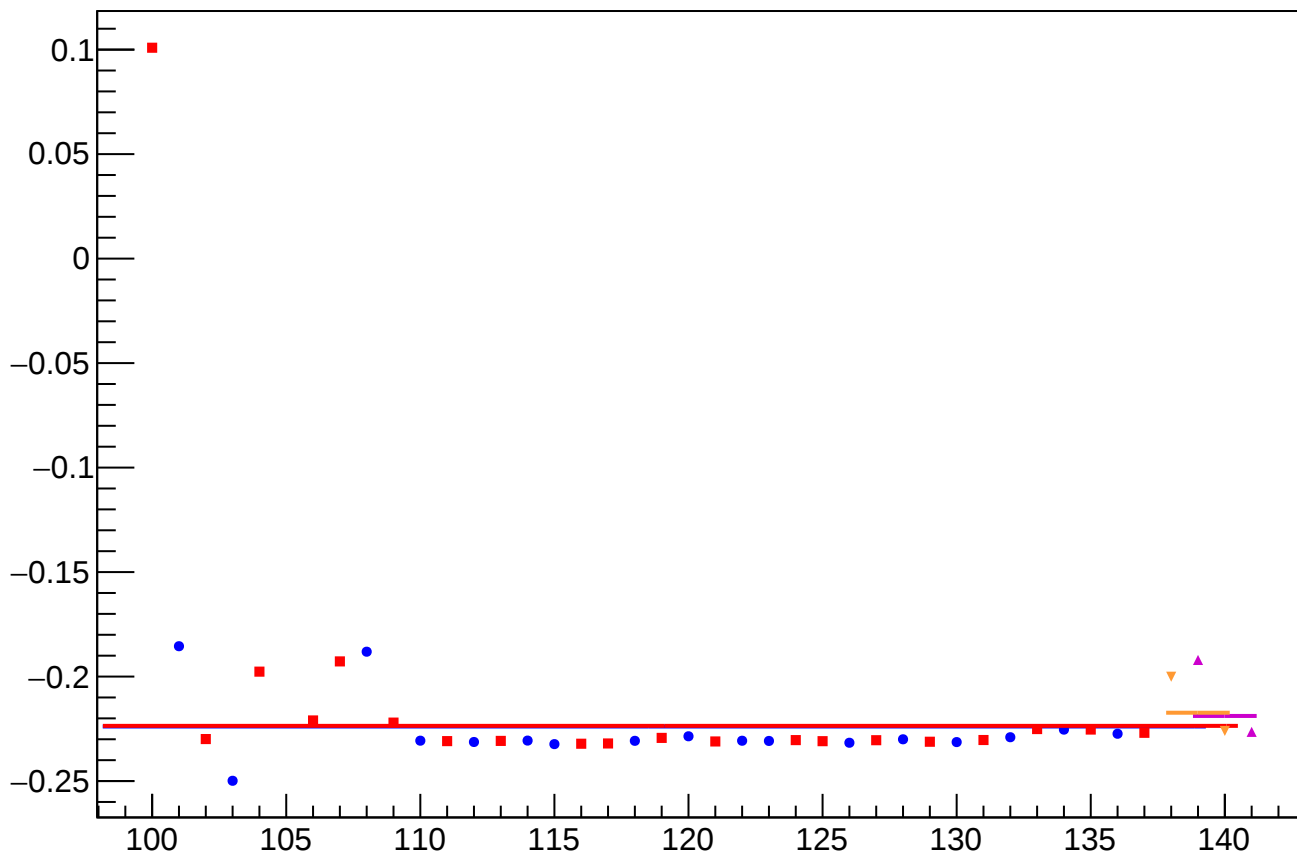
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1991972.4/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 585638.5/1

0.011 $\pm$ 0.000 χ^2 /NDF: 1880447.2/18

0.012 $\pm$ 0.000 χ^2 /NDF: 2642955.0/21

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.217+/-0.000 χ^2/NDF : 9049190.9/1

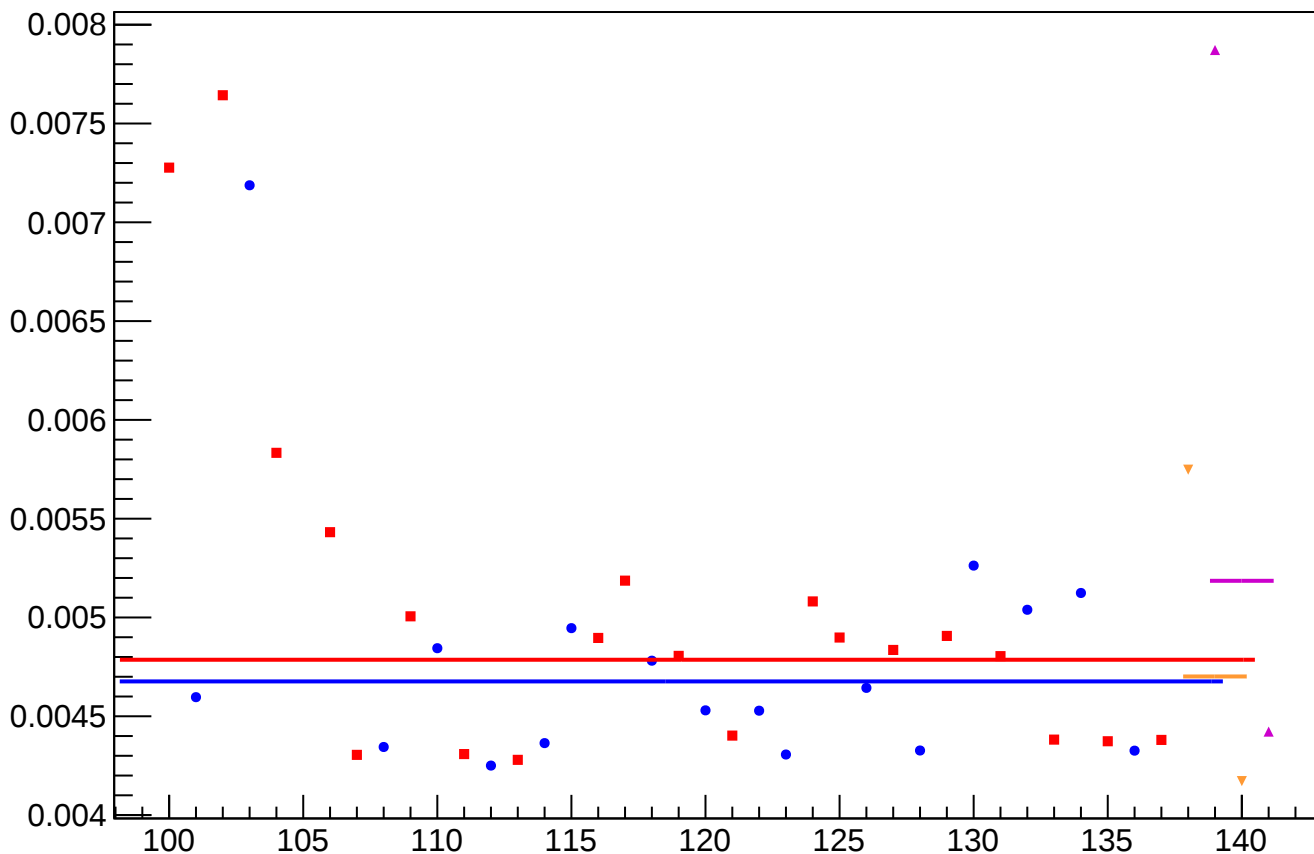
Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

Left In: -0.219+/-0.000 χ^2/NDF : 10222442.9/1

-0.223+/-0.000 χ^2/NDF : 85791658.8/18

-0.223+/-0.000 χ^2/NDF : 179409166.7/21

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 : 66839.7/1

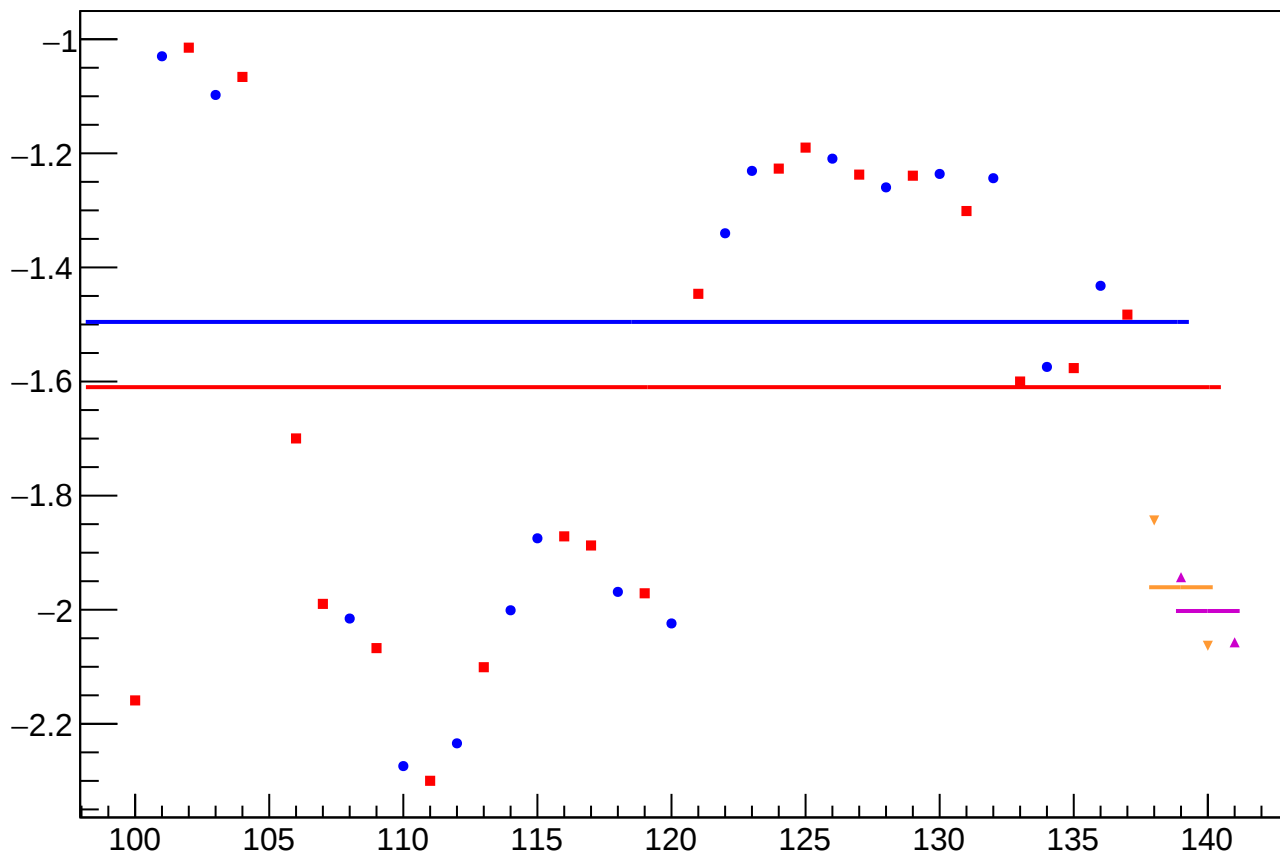
Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 205461.4/1

0.005+/-0.000 χ^2/NDF : 247682.4/18

0.005+/-0.000 χ^2/NDF : 467780.1/21

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.961+/-0.000 χ^2/NDF : 593339409.5/1

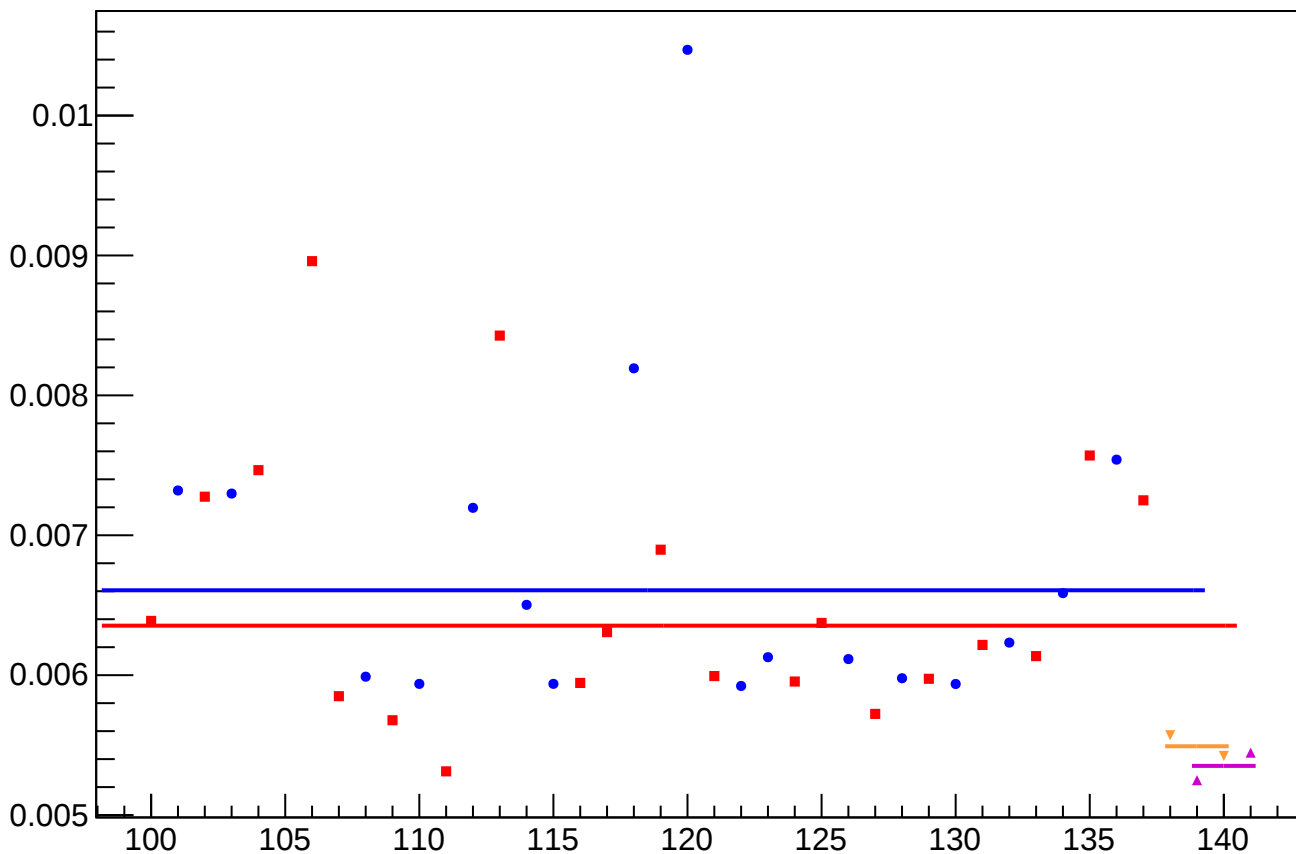
Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

Left In: -2.002+/-0.000 χ^2/NDF : 173790336.2/1

-1.618+/-0.000 χ^2/NDF : 30979983965.6/18

-1.706+/-0.000 χ^2/NDF : 34315029731.9/21

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.005+/-0.000 χ^2/NDF :537.2/1

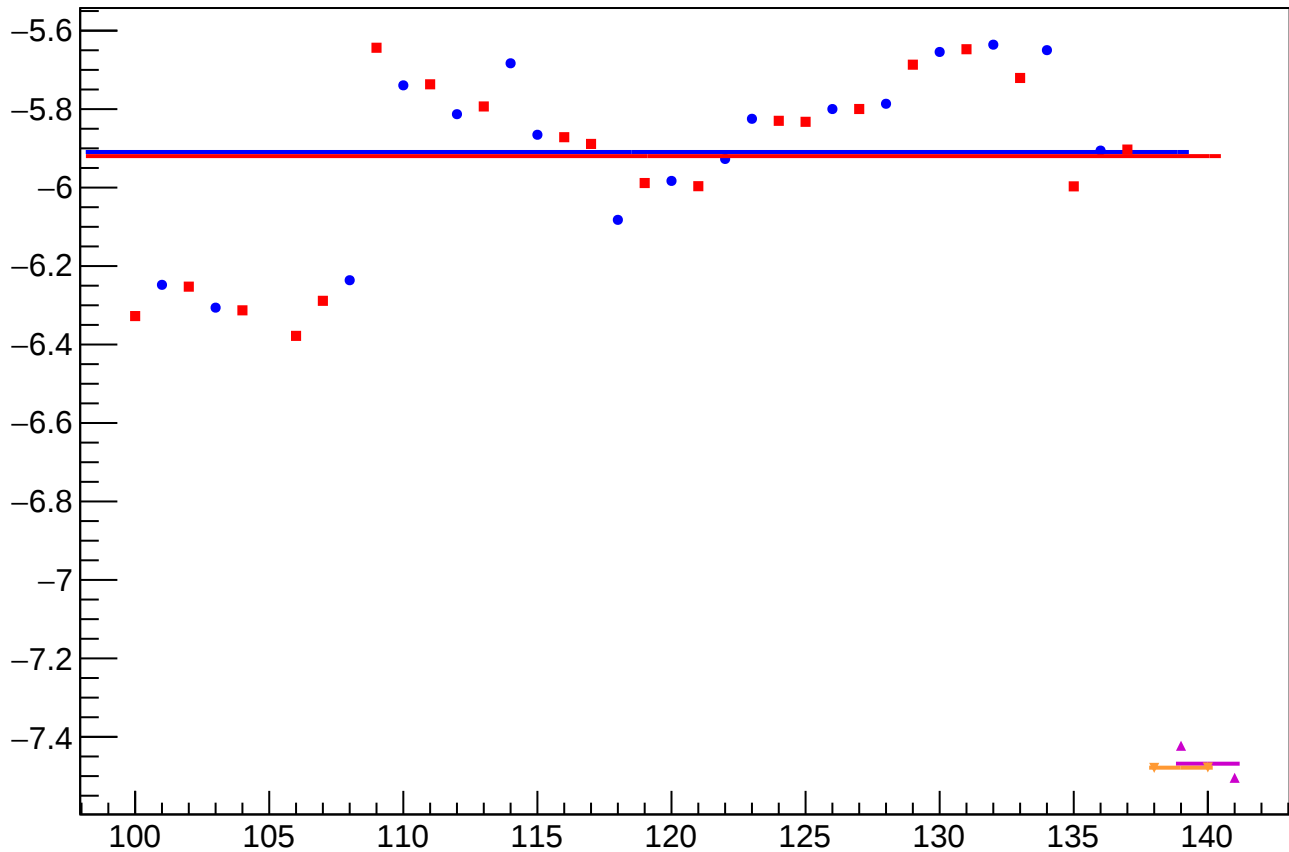
Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

Left In: 0.005+/-0.000 χ^2/NDF :1033.2/1

0.006+/-0.000 χ^2/NDF : 292457.1/18

0.006+/-0.000 χ^2/NDF : 309307.4/21

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.479+/-0.000 χ^2/NDF : 4842.1/1

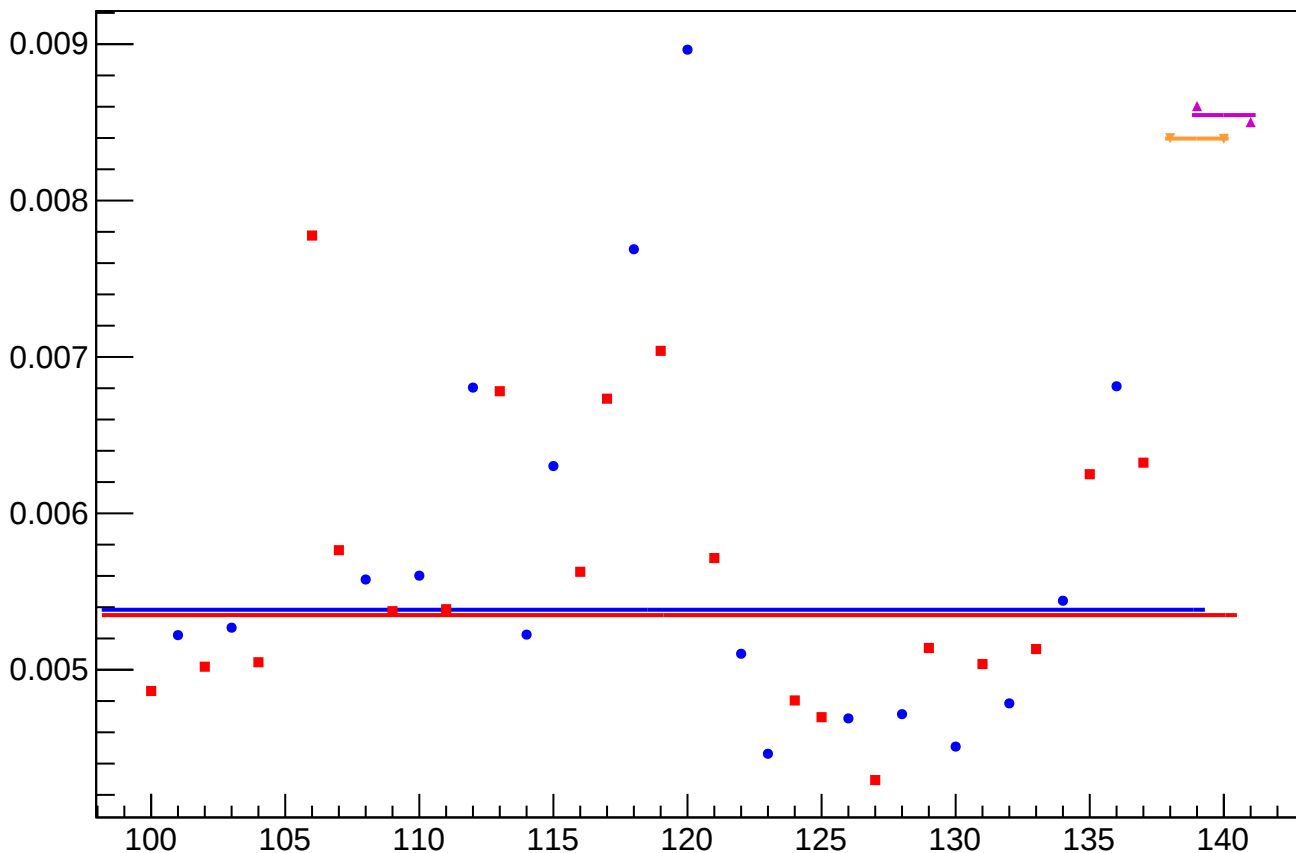
Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

Left In: -7.468+/-0.000 χ^2/NDF : 30127911.7/1

-6.034+/-0.000 χ^2/NDF : 50672509766.3/18

-6.037+/-0.000 χ^2/NDF : 53436351369.2/21

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 : 0.2/1

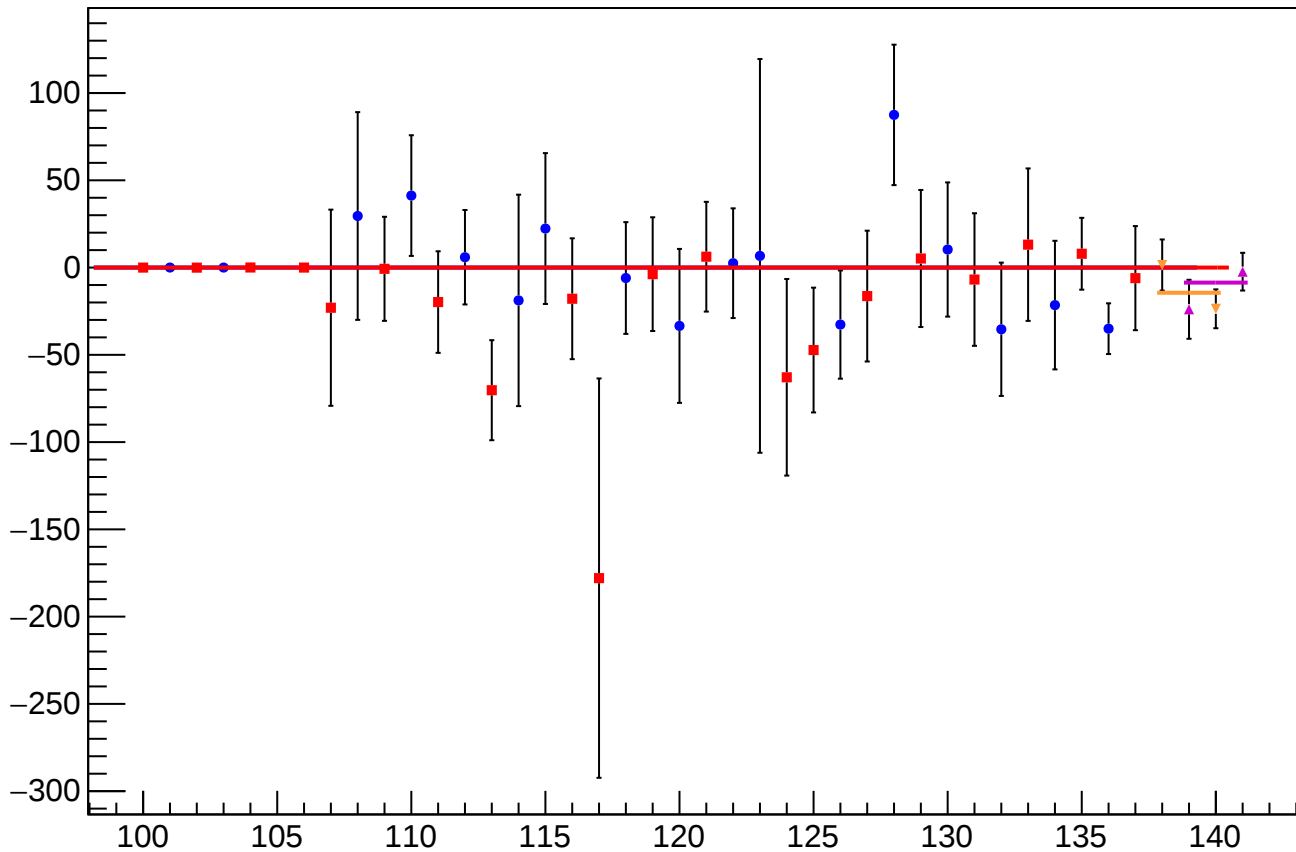
Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

Left In: 0.009+/-0.000 χ^2/NDF : 95.8/1

0.006+/-0.000 χ^2/NDF : 639150.8/18

0.006+/-0.000 χ^2/NDF : 594351.5/21

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 15.8/16

Left Out: -14.429+/-8.868 χ^2/NDF : 1.9/1

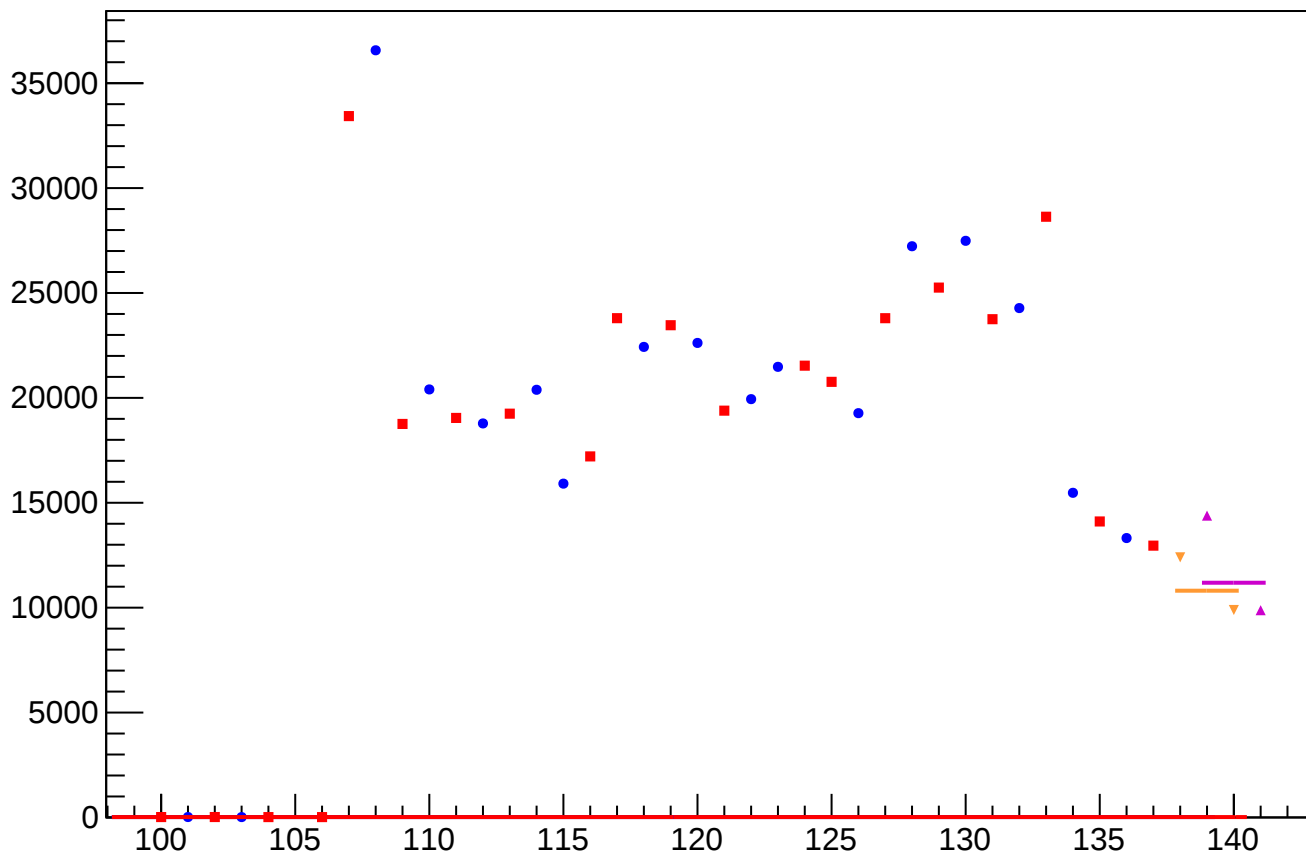
Right Out: 0.003+/-0.016 χ^2/NDF : 17.7/19

Left In: -8.608+/-9.104 χ^2/NDF : 1.2/1

0.013+/-0.017 χ^2/NDF : 20.3/18

0.003+/-0.016 χ^2/NDF : 19.8/21

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 10808.633+/-6.270 χ^2/NDF : 37206.2/1

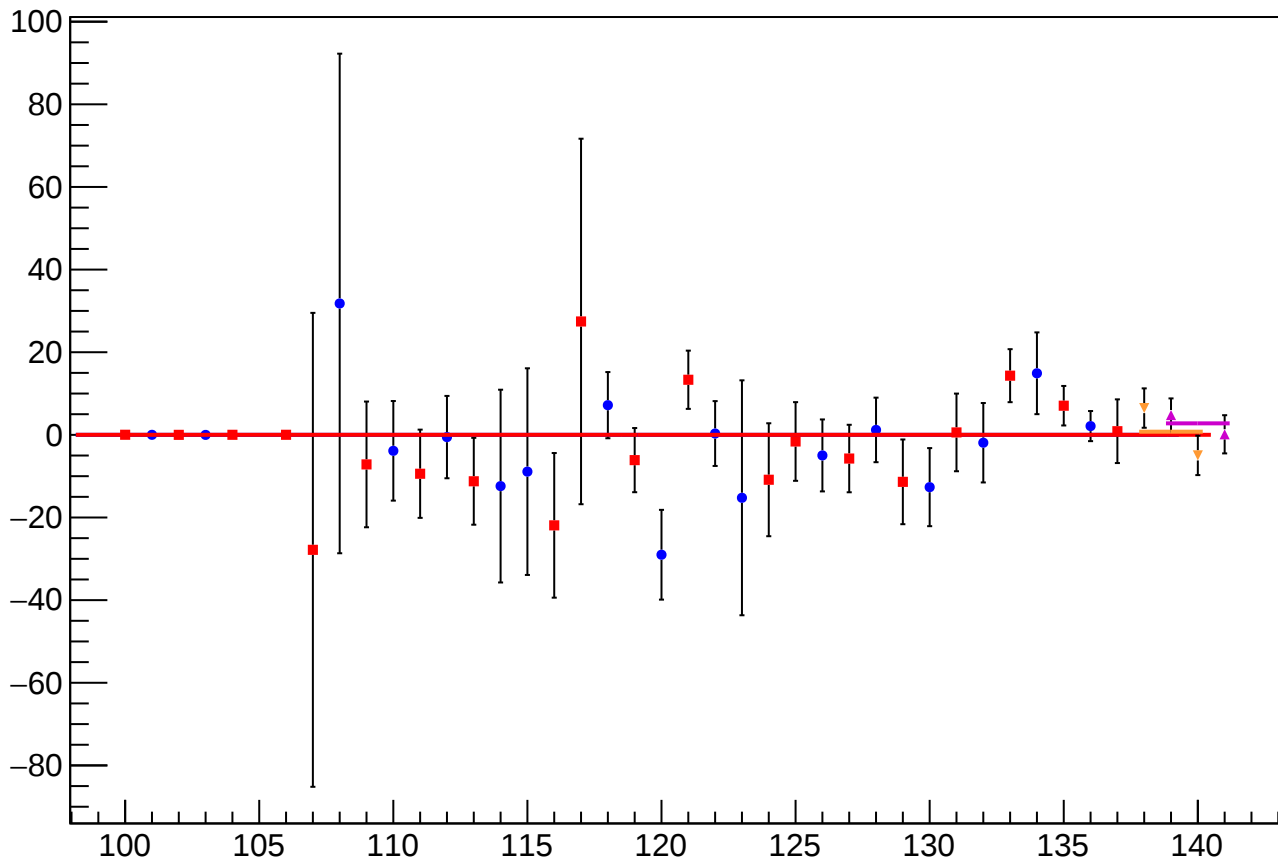
Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

Left In: 11188.350+/-6.437 χ^2/NDF : 101067.4/1

18.682+/-0.012 χ^2/NDF : 13839941.7/18

18.347+/-0.011 χ^2/NDF : 14301775.0/21

diff_cav4bY_mean vs Slug



Right In: 0.001+/-0.009 χ^2/NDF : 14.9/16

Left Out: 0.767+/-3.372 χ^2/NDF : 2.9/1

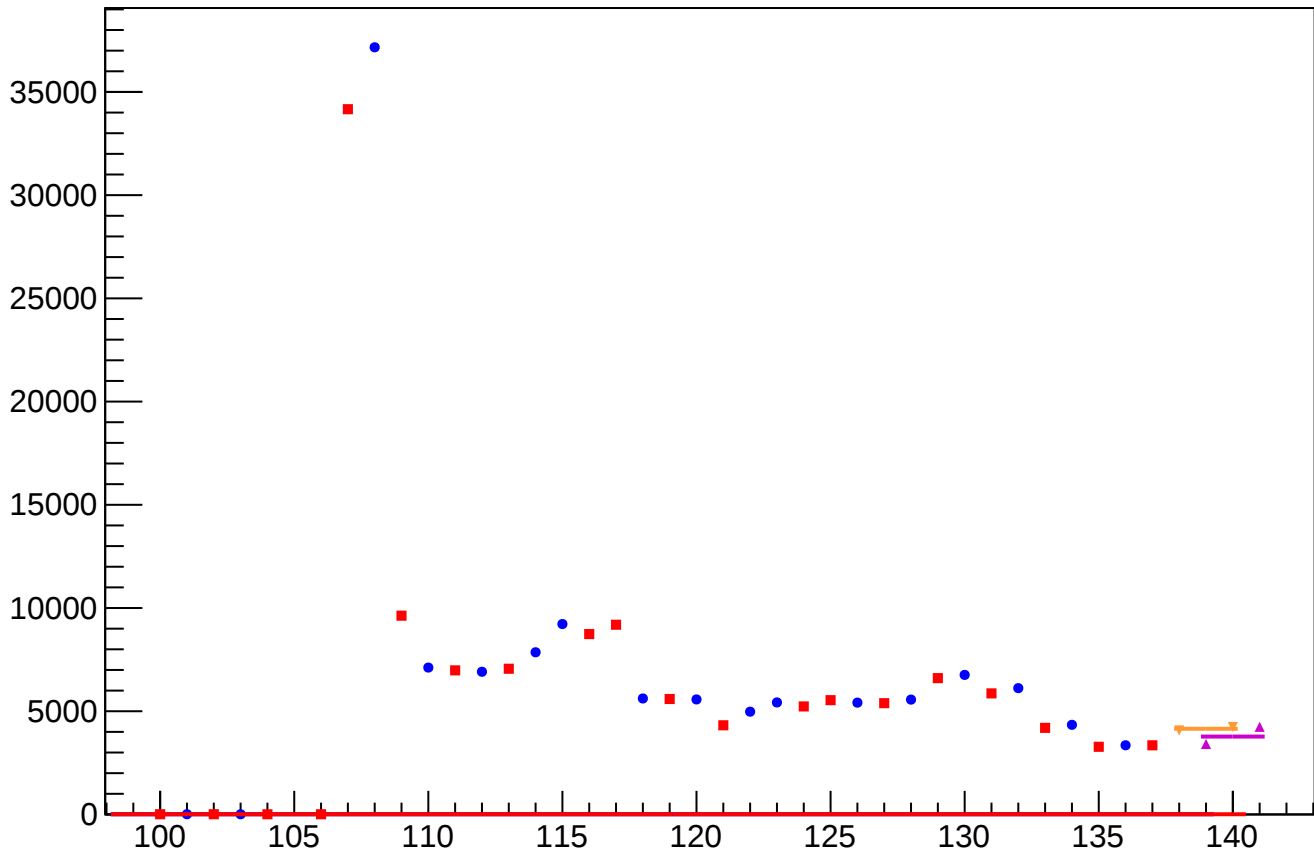
Right Out: 0.014+/-0.009 χ^2/NDF : 18.8/19

Left In: 2.786+/-3.036 χ^2/NDF : 0.6/1

0.001+/-0.009 χ^2/NDF : 17.8/18

0.014+/-0.009 χ^2/NDF : 20.2/21

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4151.145+/-2.385 χ^2/NDF :1157.0/1

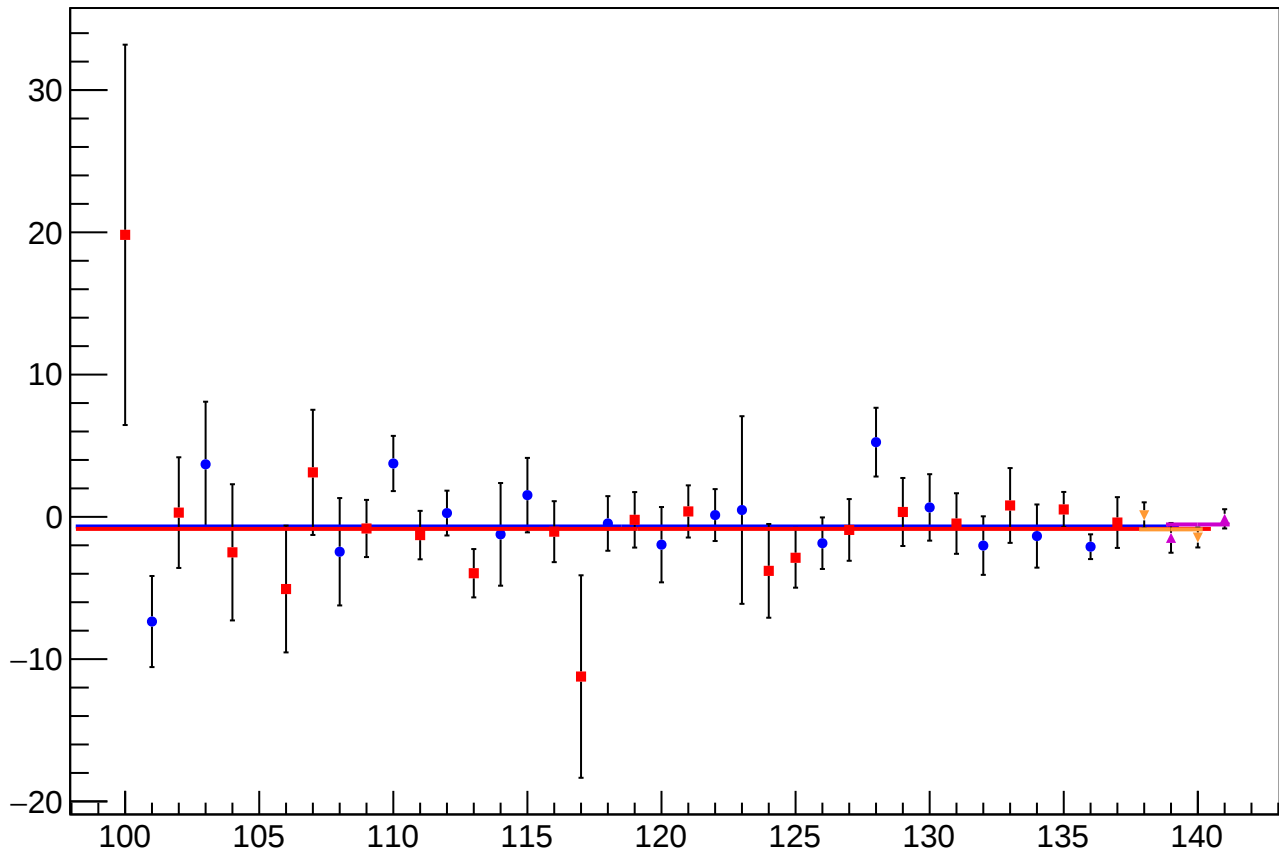
9.969+/-0.007 χ^2/NDF : 13990469.2/18

Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

9.885+/-0.006 χ^2/NDF : 14348785.7/21

Left In: 3773.365+/-2.147 χ^2/NDF :36696.0/1

diff_cav4cX_mean vs Slug



Right In: -0.677+/-0.484 χ^2/NDF : 22.3/16

Left Out: -0.880+/-0.554 χ^2/NDF : 1.9/1

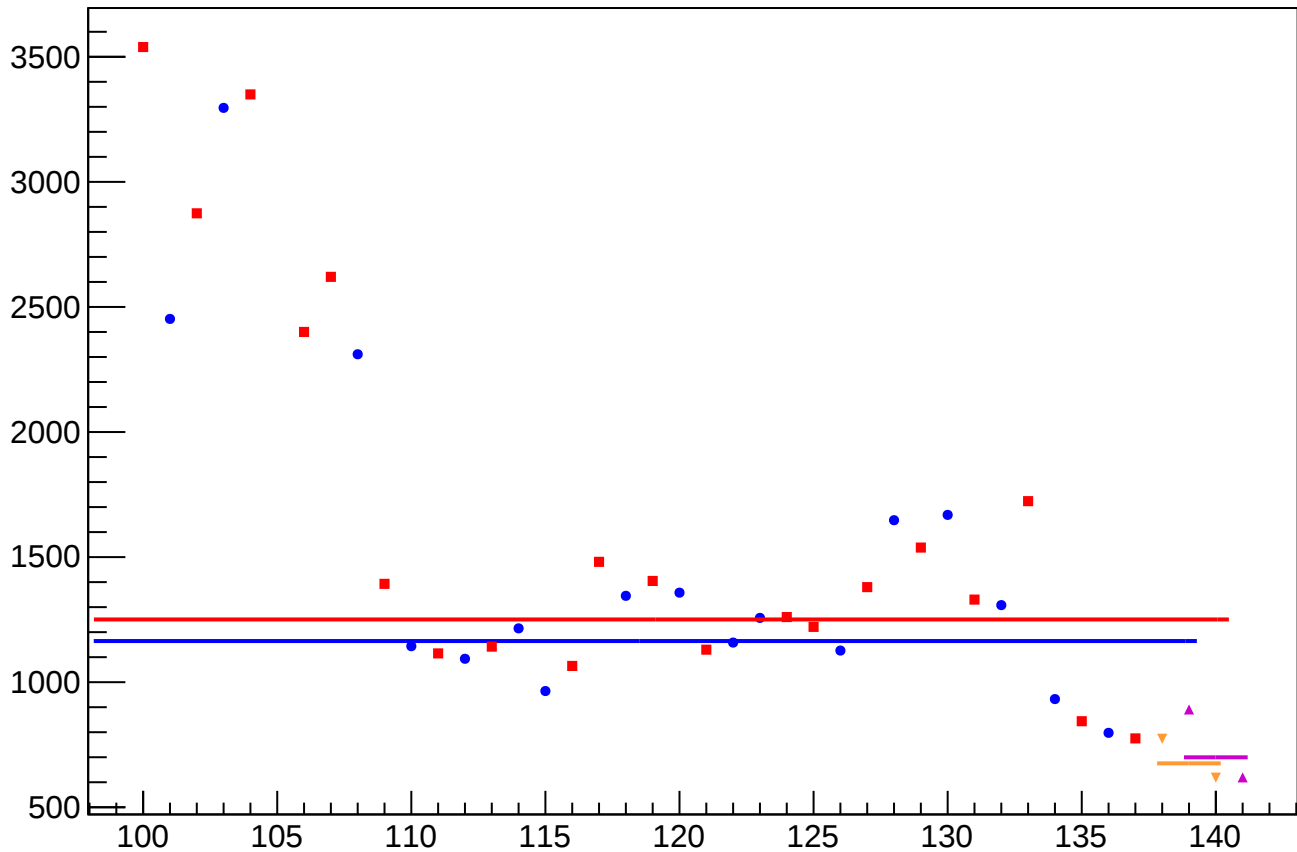
Right Out: -0.846+/-0.500 χ^2/NDF : 14.1/19

Left In: -0.534+/-0.569 χ^2/NDF : 1.1/1

-0.765+/-0.364 χ^2/NDF : 24.2/18

-0.710+/-0.375 χ^2/NDF : 15.4/21

diff_cav4cX_rms vs Slug



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 675.468+/-0.392 χ^2/NDF : 36707.0/1

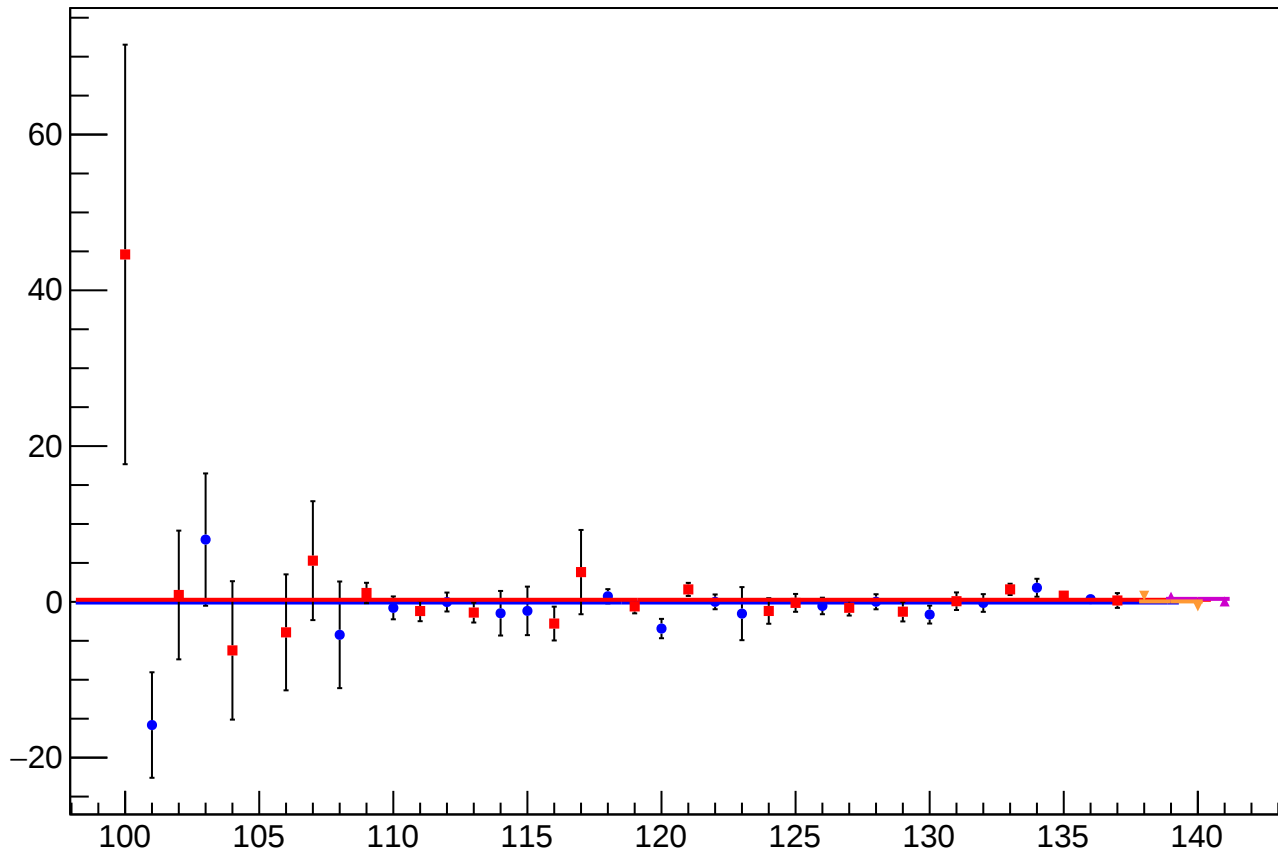
952.594+/-0.258 χ^2/NDF : 2504922.2/18

Right Out: 1250.738+/-0.354 χ^2/NDF : 1652238.9/19

1010.393+/-0.266 χ^2/NDF : 2806501.7/21

Left In: 699.658+/-0.402 χ^2/NDF : 94886.4/1

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 $\chi^2/\text{NDF}: 21.1/16$

Left Out: 0.057 ± 0.399 $\chi^2/\text{NDF}: 2.9/1$

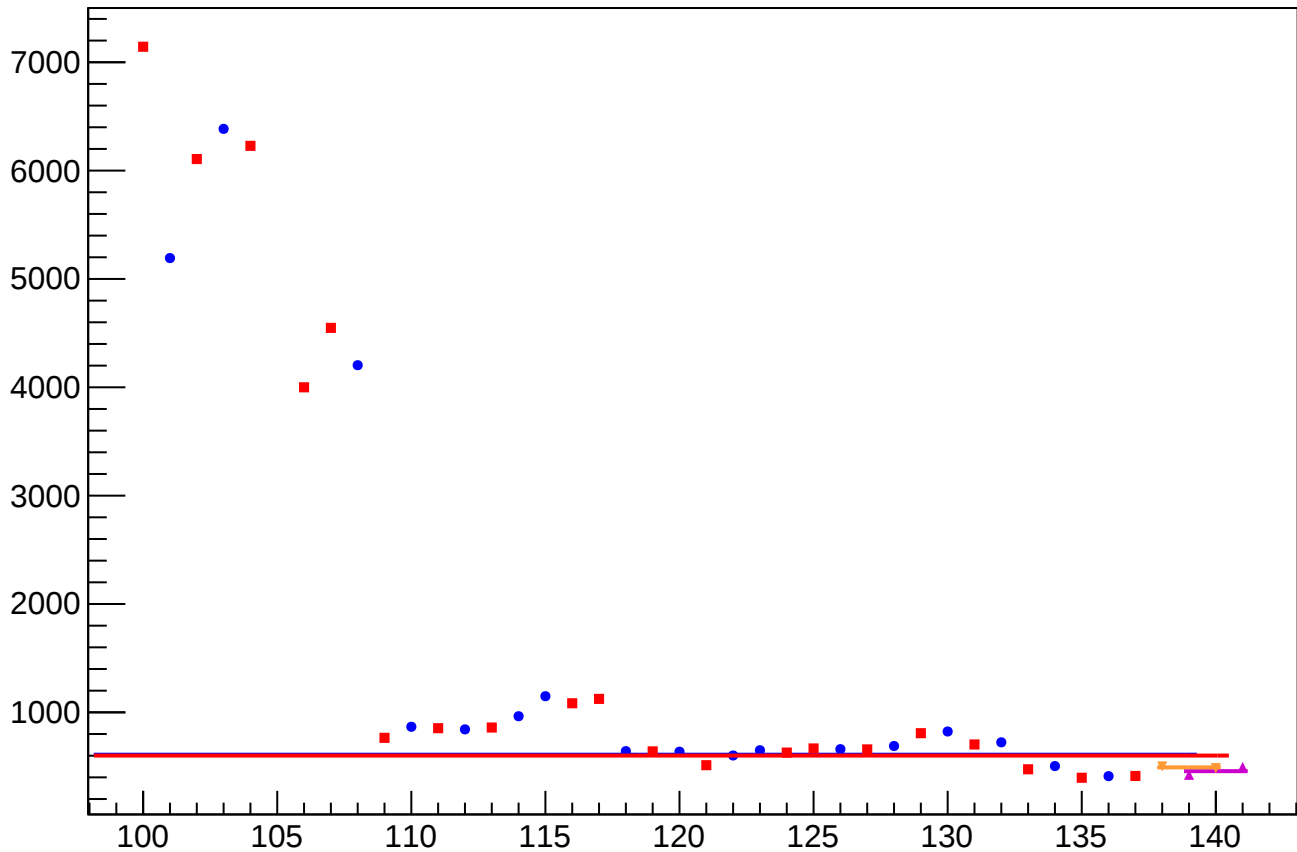
Right Out: 0.268 ± 0.264 $\chi^2/\text{NDF}: 20.9/19$

Left In: 0.385 ± 0.367 $\chi^2/\text{NDF}: 0.7/1$

-0.041 ± 0.224 $\chi^2/\text{NDF}: 24.1/18$

0.308 ± 0.214 $\chi^2/\text{NDF}: 21.6/21$

diff_cav4cY_rms vs Slug



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 492.141+/-0.282 χ^2/NDF :745.9/1

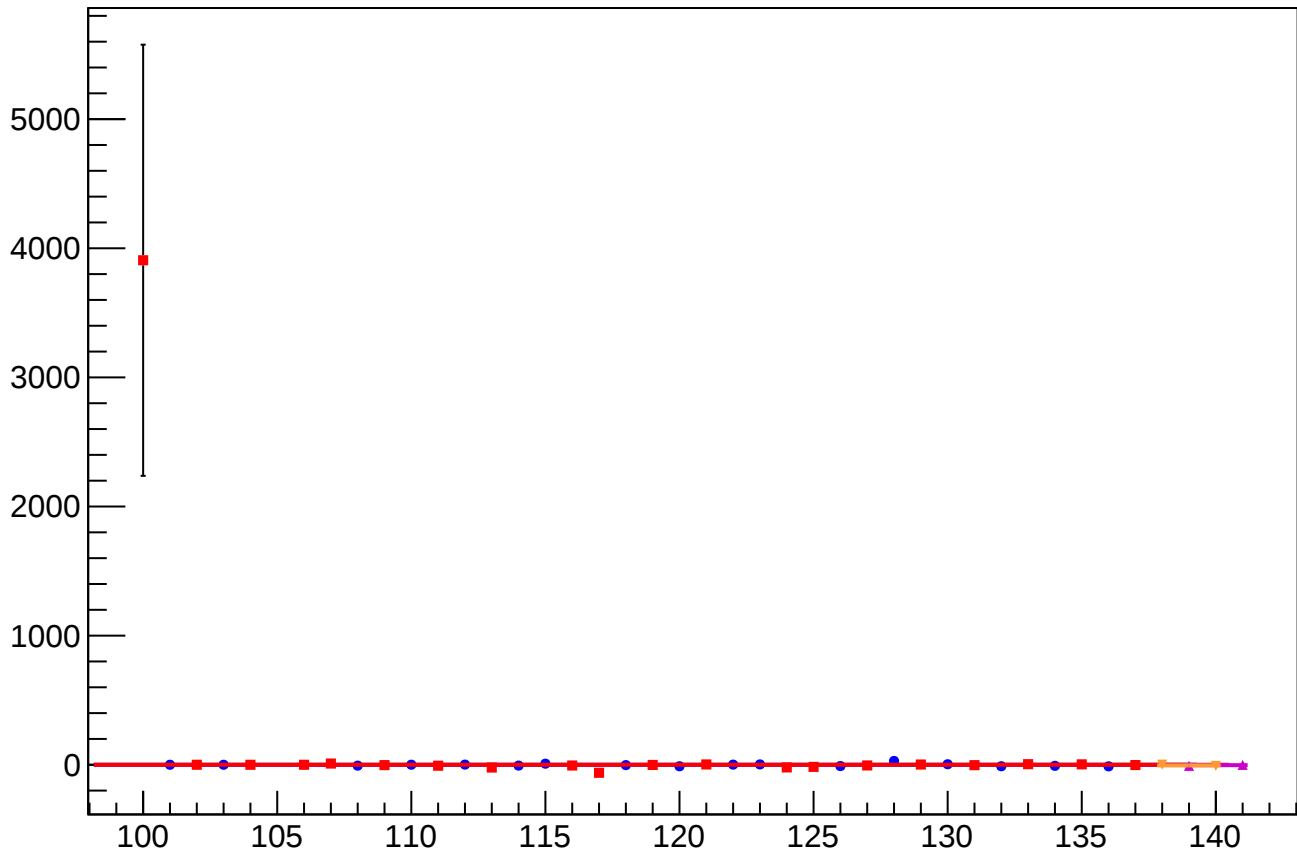
572.320+/-0.158 χ^2/NDF : 3257506.2/18

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

552.050+/-0.152 χ^2/NDF : 3788465.0/21

Left In: 457.182+/-0.259 χ^2/NDF :19262.4/1

diff_cav4dX_mean vs Slug



Right In: -0.022+/-0.021 χ^2/NDF : 15.3/16

Left Out: -5.085+/-3.198 χ^2/NDF : 1.9/1

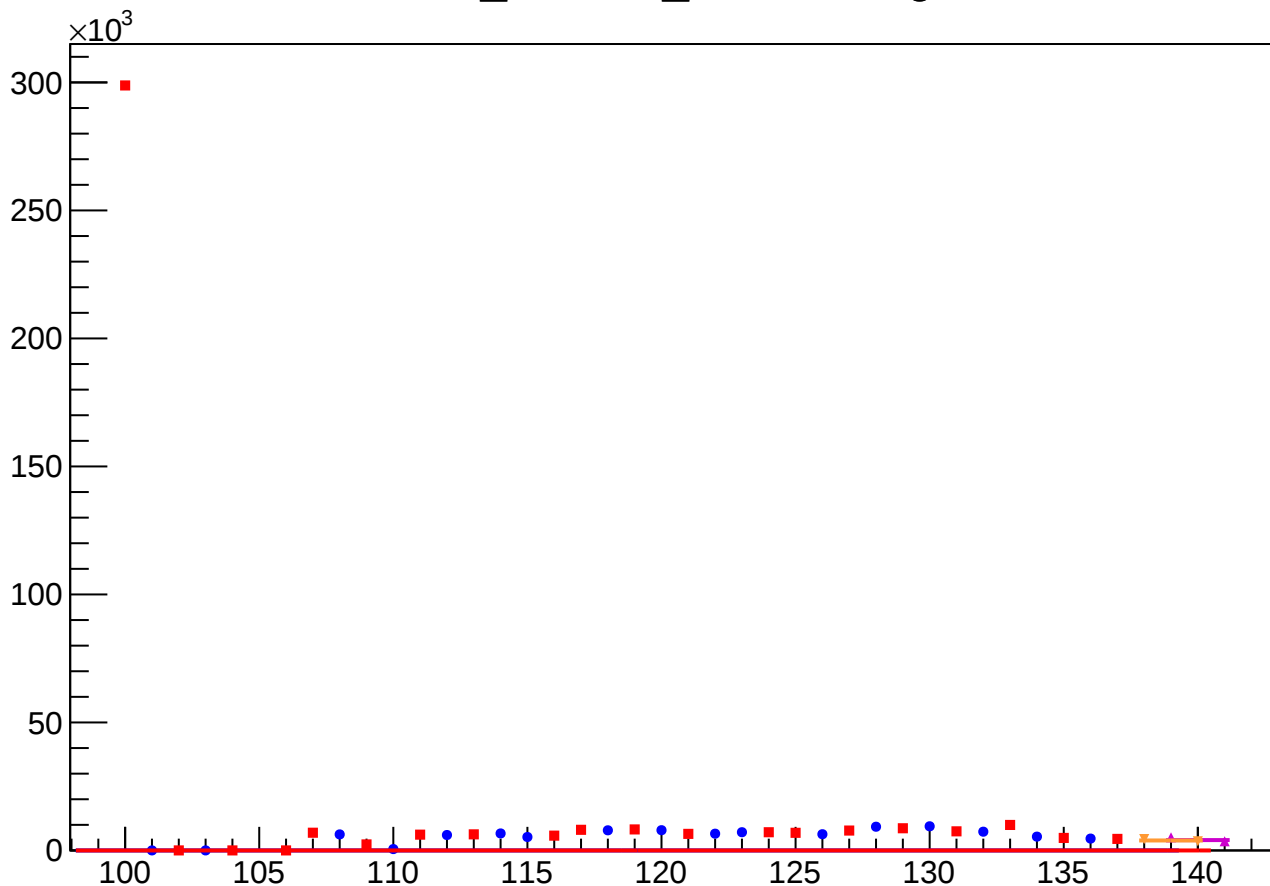
Right Out: -0.027+/-0.020 χ^2/NDF : 19.8/19

Left In: -3.086+/-3.289 χ^2/NDF : 1.1/1

-0.022+/-0.021 χ^2/NDF : 19.7/18

-0.027+/-0.020 χ^2/NDF : 21.8/21

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 3902.547 $\pm$ 2.261 χ^2 /NDF:34386.8/1

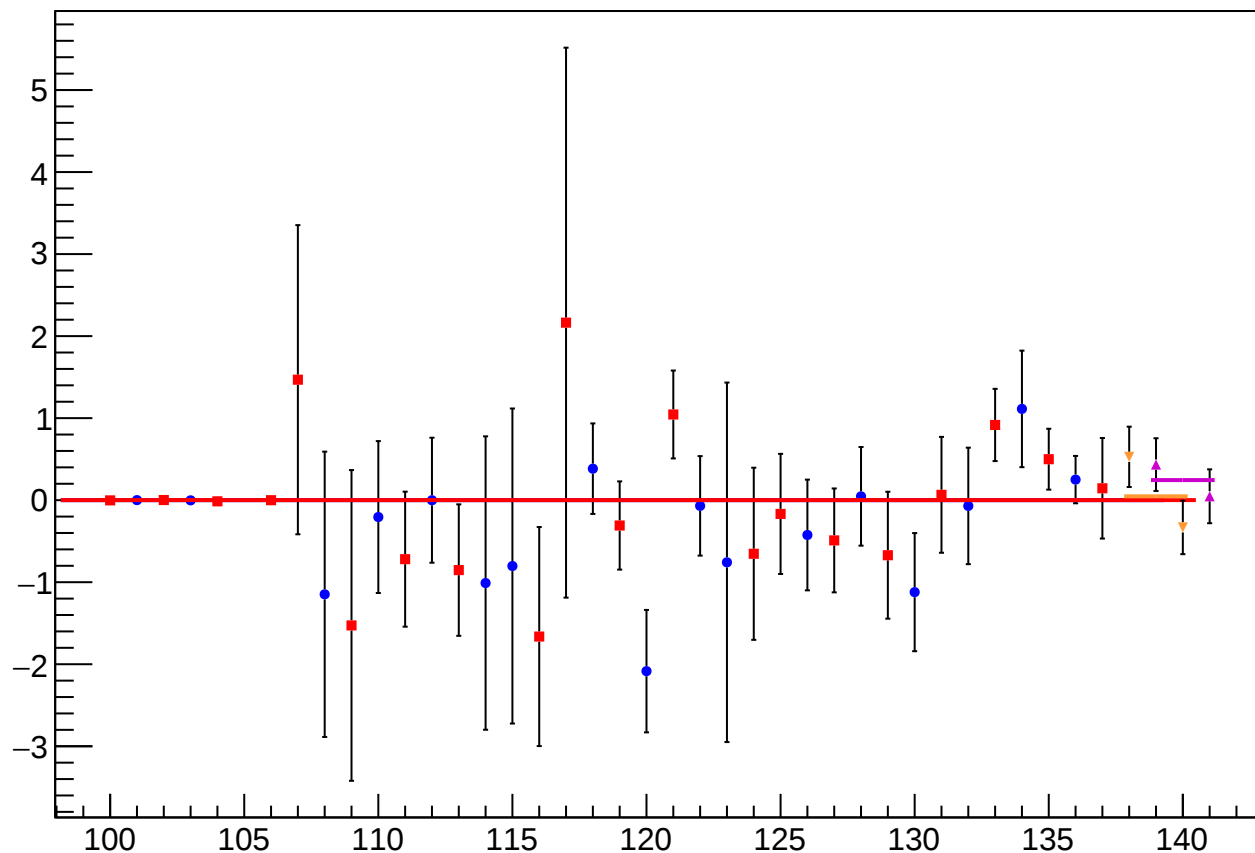
Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

Left In: 4049.334 $\pm$ 2.326 χ^2 /NDF:91646.5/1

17.501 $\pm$ 0.015 χ^2 /NDF: 13345326.9/18

17.416 $\pm$ 0.014 χ^2 /NDF: 13997042.7/21

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.6/16

Left Out: 0.047 $\pm$ 0.244 χ^2 /NDF: 3.1/1

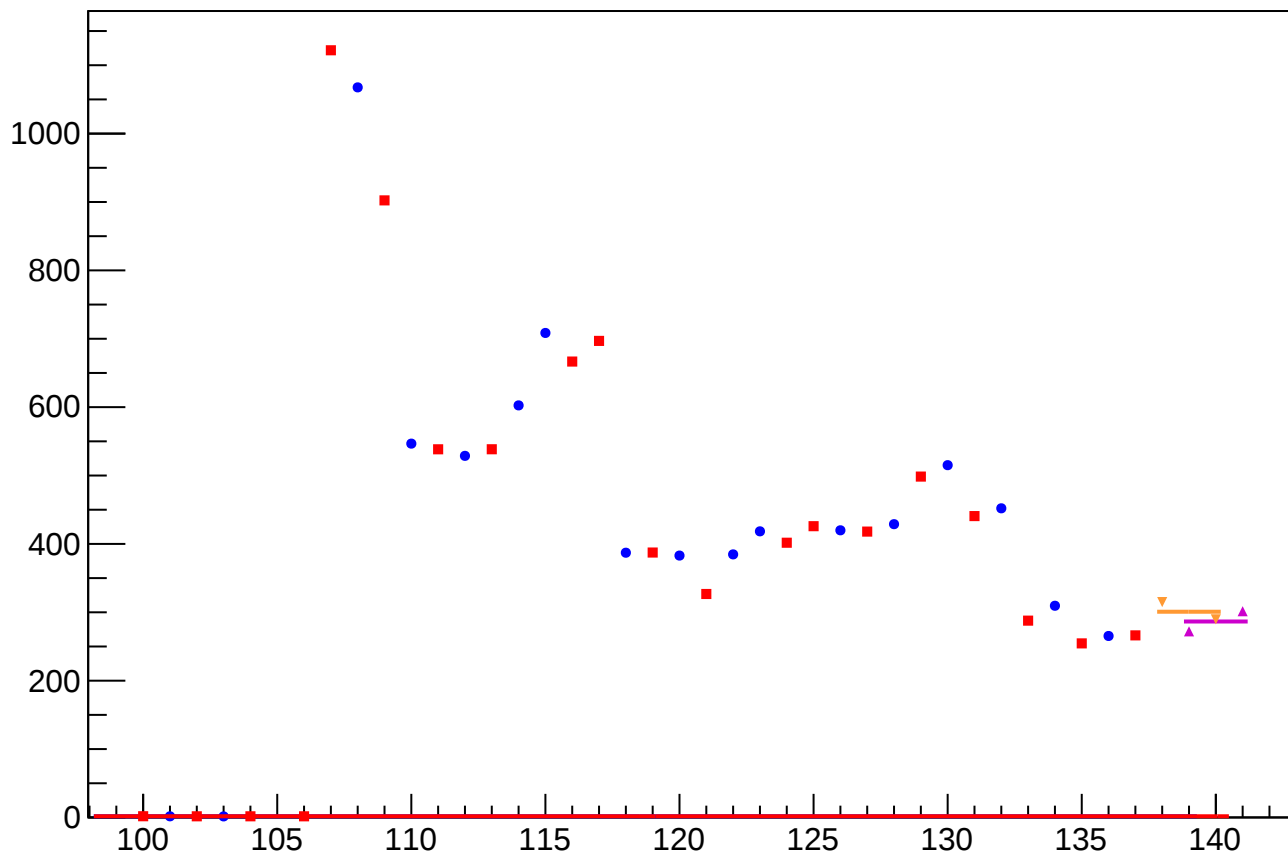
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 18.2/19

Left In: 0.245 $\pm$ 0.230 χ^2 /NDF: 0.7/1

0.000 $\pm$ 0.002 χ^2 /NDF: 18.7/18

0.001 $\pm$ 0.002 χ^2 /NDF: 20.1/21

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 300.832+/-0.173 χ^2/NDF :5267.7/1

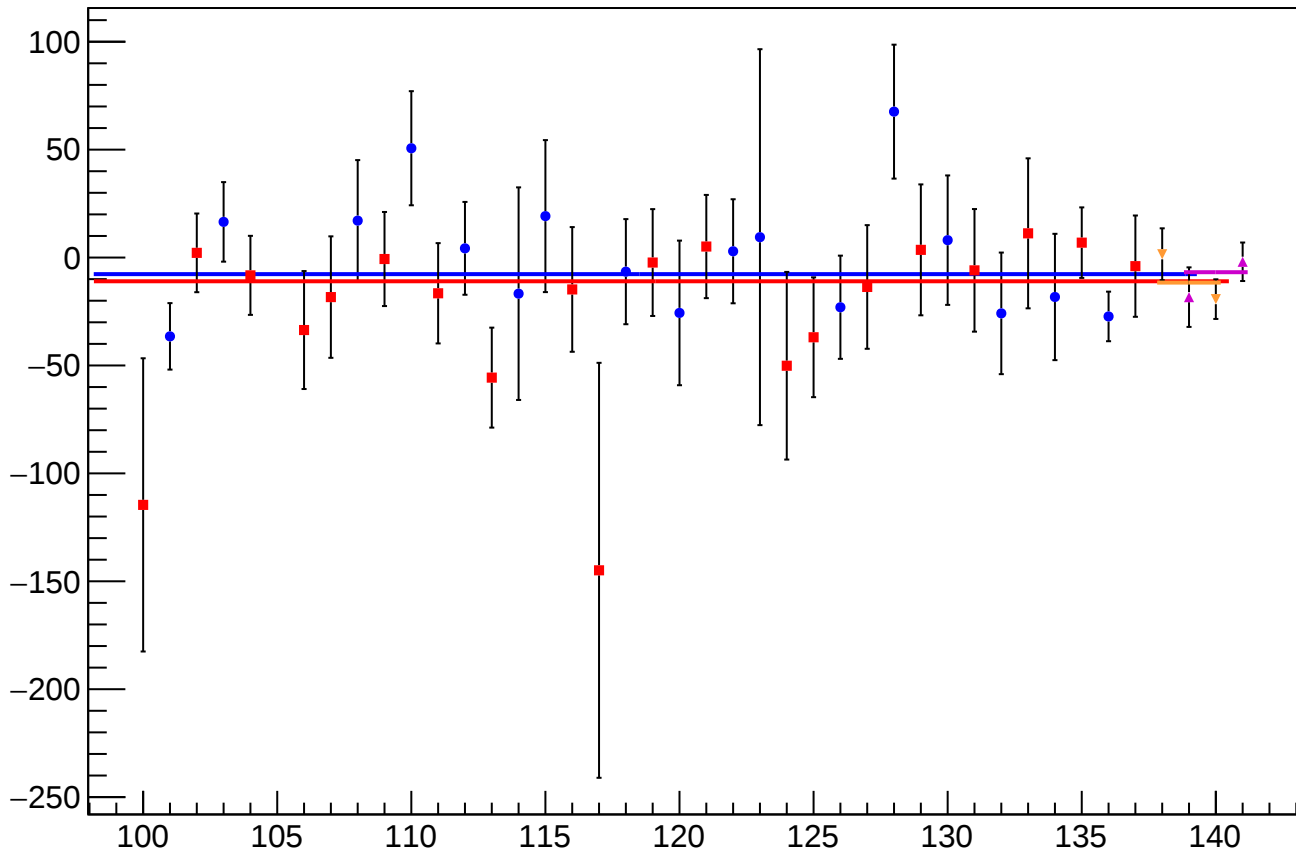
Right Out: 1.729+/-0.001 χ^2/NDF : 10822679.1/19

Left In: 286.548+/-0.162 χ^2/NDF :8202.5/1

1.719+/-0.001 χ^2/NDF : 13920123.6/18

1.749+/-0.001 χ^2/NDF : 13906835.4/21

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -11.601 ± 7.298 χ^2/NDF : 1.9/1

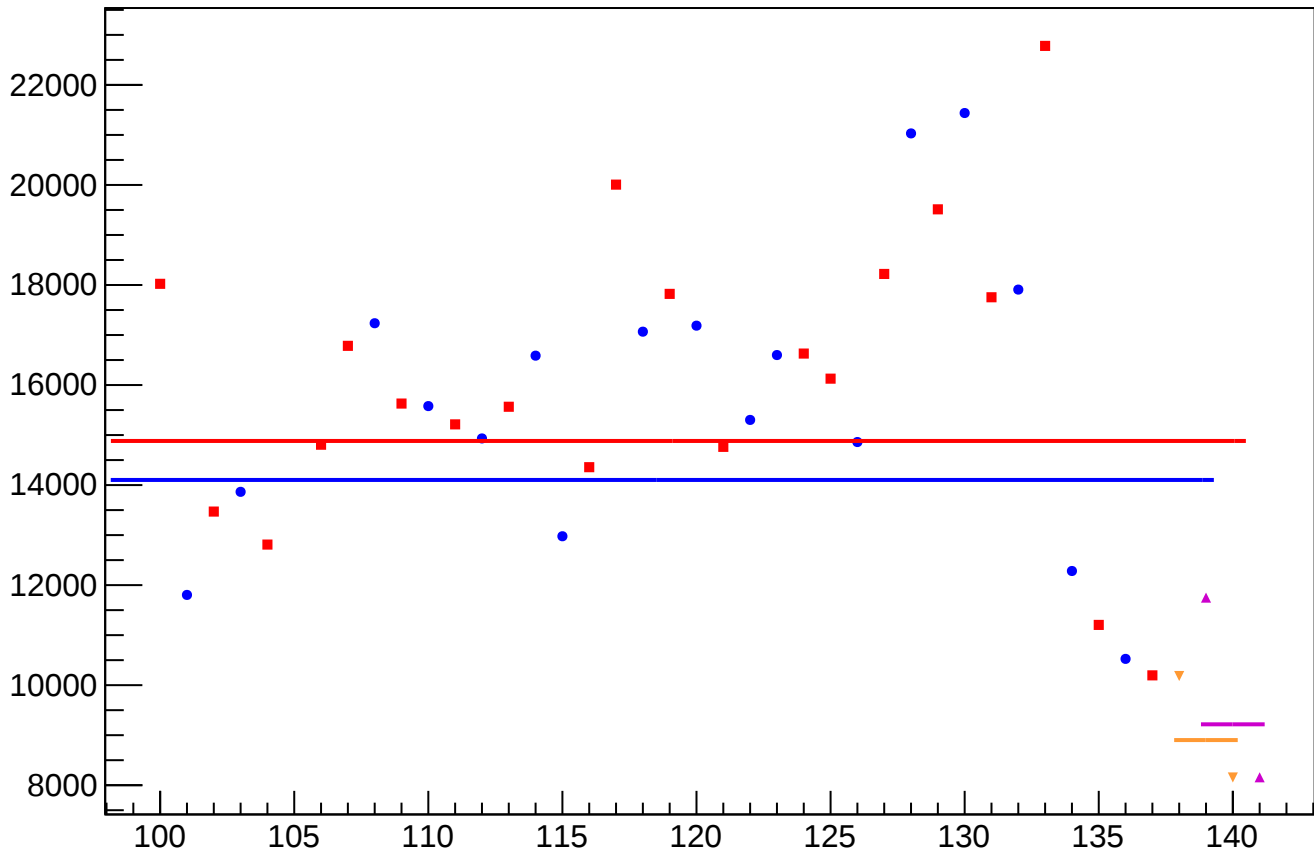
Right Out: -10.992 ± 5.672 χ^2/NDF : 13.8/19

Left In: -6.787 ± 7.491 χ^2/NDF : 1.0/1

-9.144 ± 4.456 χ^2/NDF : 24.4/18

-9.460 ± 4.522 χ^2/NDF : 15.0/21

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 8902.283+/-5.160 χ^2/NDF : 35959.4/1

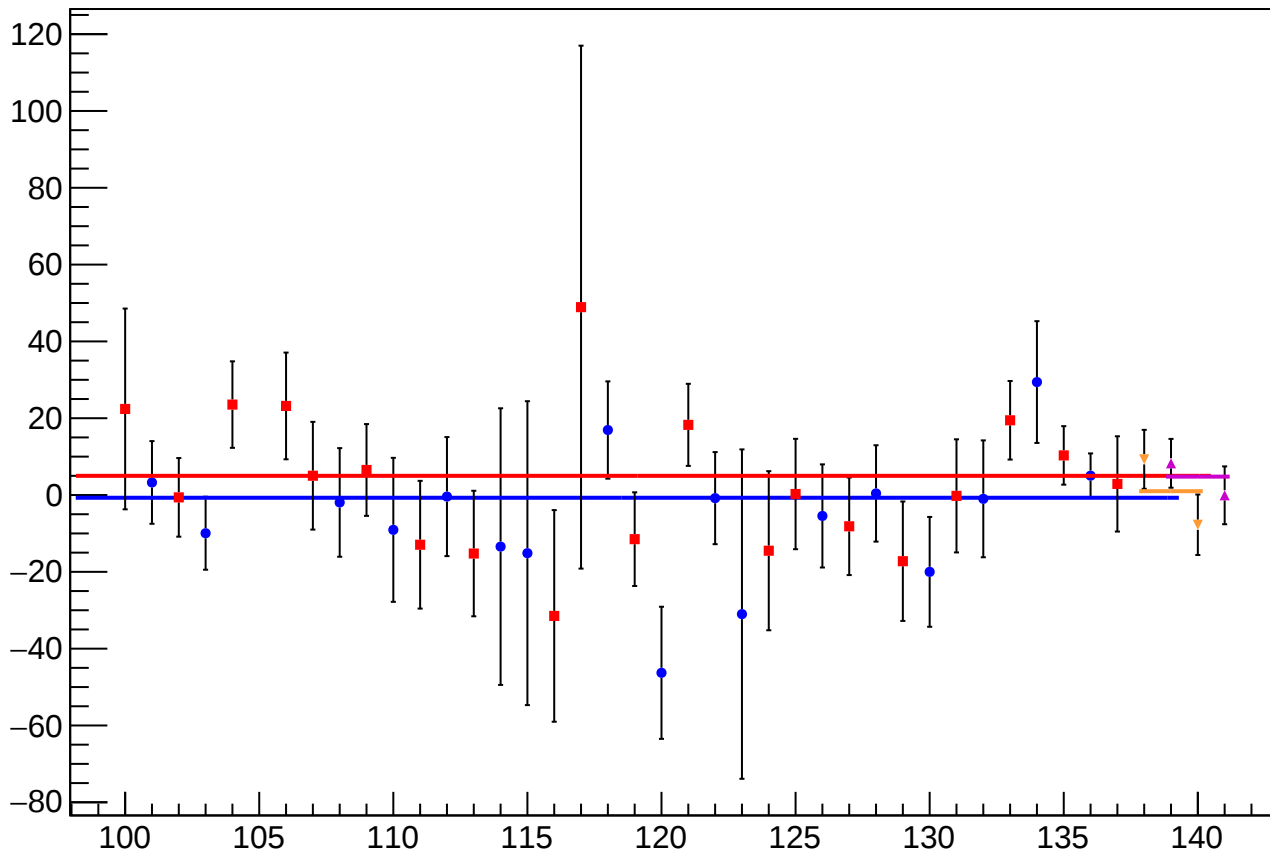
Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

Left In: 9217.250+/-5.297 χ^2/NDF : 95602.8/1

12163.562+/-3.151 χ^2/NDF : 1271742.4/18

12817.710+/-3.198 χ^2/NDF : 1298486.3/21

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 $\chi^2/\text{NDF}: 17.6/16$

Left Out: 1.001 ± 5.497 $\chi^2/\text{NDF}: 2.4/1$

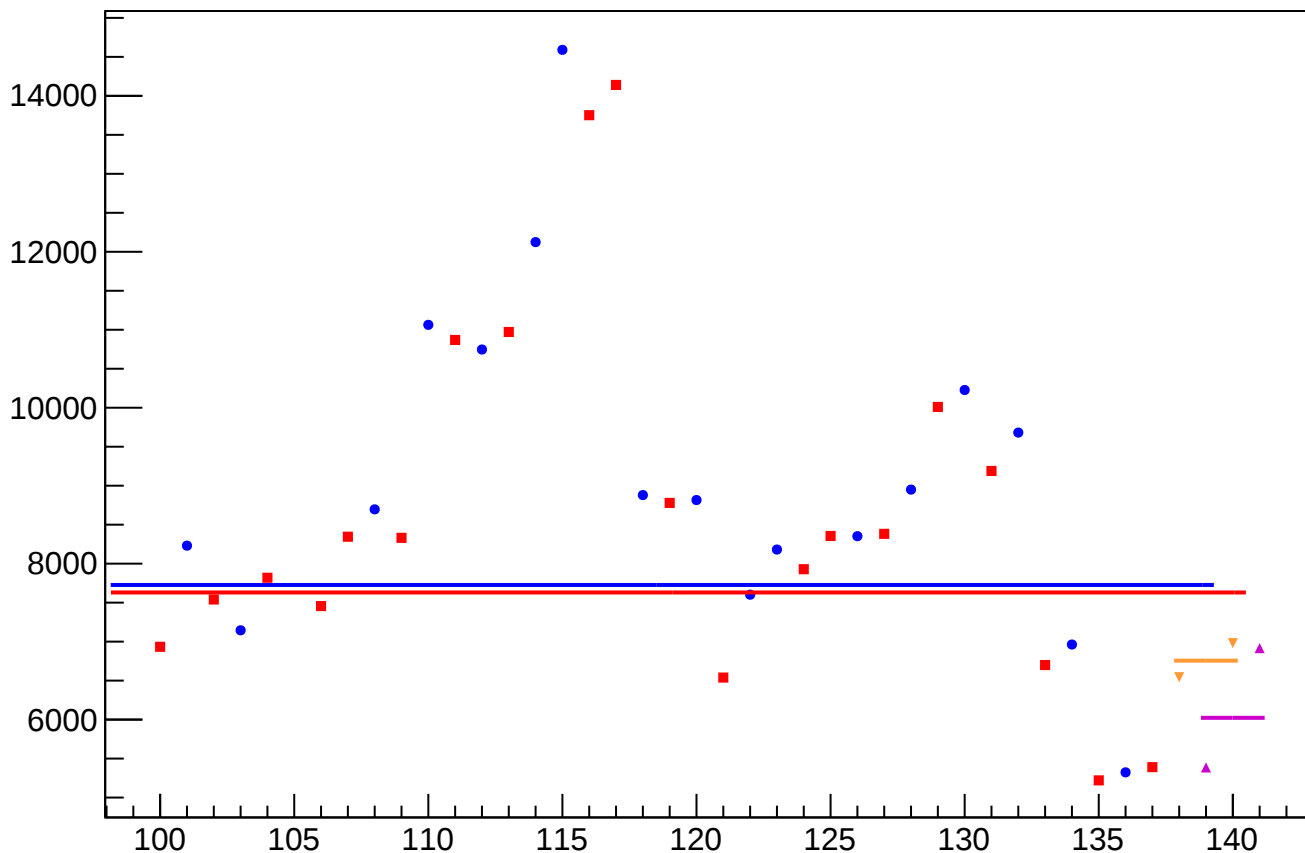
Right Out: 5.000 ± 2.937 $\chi^2/\text{NDF}: 20.2/19$

Left In: 4.794 ± 4.857 $\chi^2/\text{NDF}: 0.7/1$

-0.299 ± 2.689 $\chi^2/\text{NDF}: 20.0/18$

4.945 ± 2.513 $\chi^2/\text{NDF}: 20.9/21$

diff_bpm4aY_rms vs Slug



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 6755.976 $\pm$ 3.887 χ^2 /NDF:3161.0/1

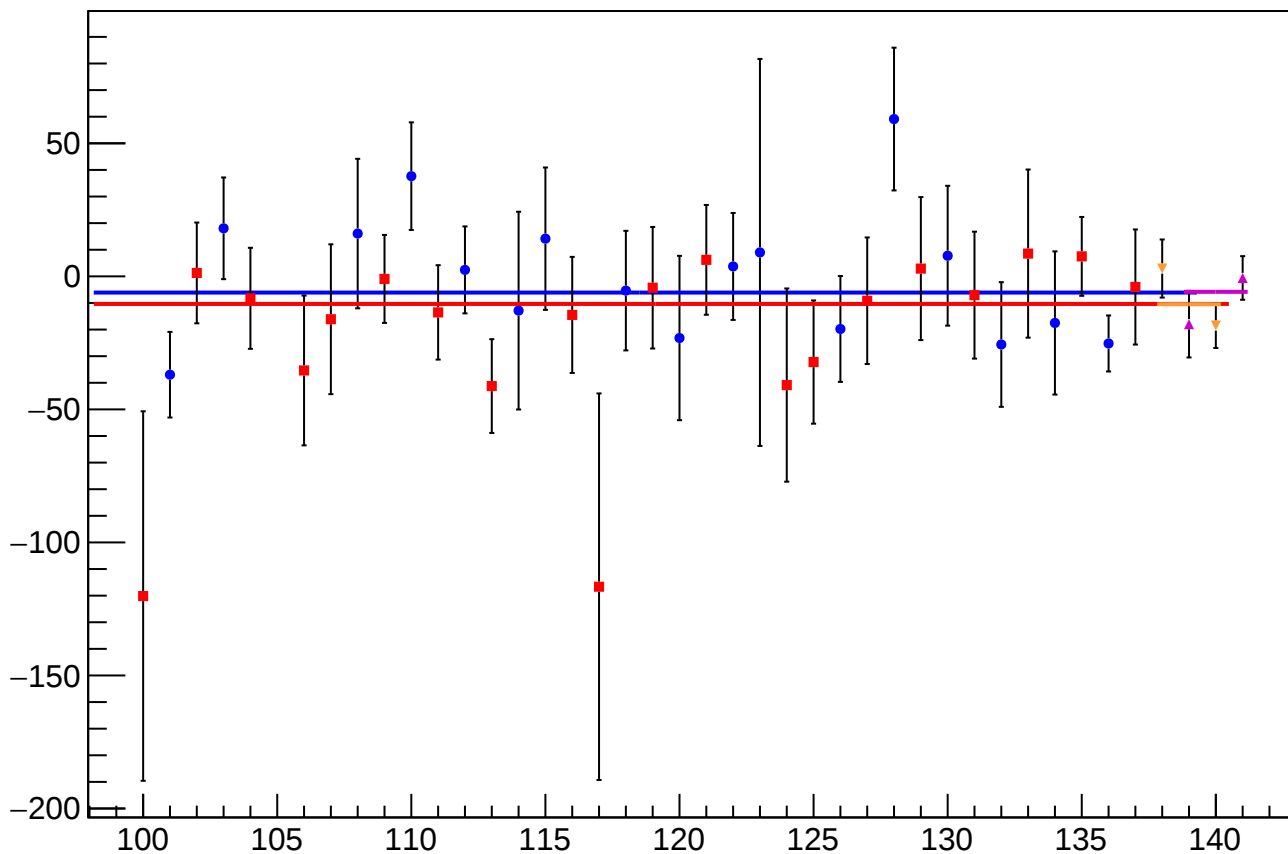
Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

Left In: 6022.657 $\pm$ 3.434 χ^2 /NDF:48214.1/1

7494.375 $\pm$ 1.902 χ^2 /NDF: 793123.7/18

7199.911 $\pm$ 1.777 χ^2 /NDF: 902125.3/21

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -10.490 ± 6.675 χ^2/NDF : 2.4/1

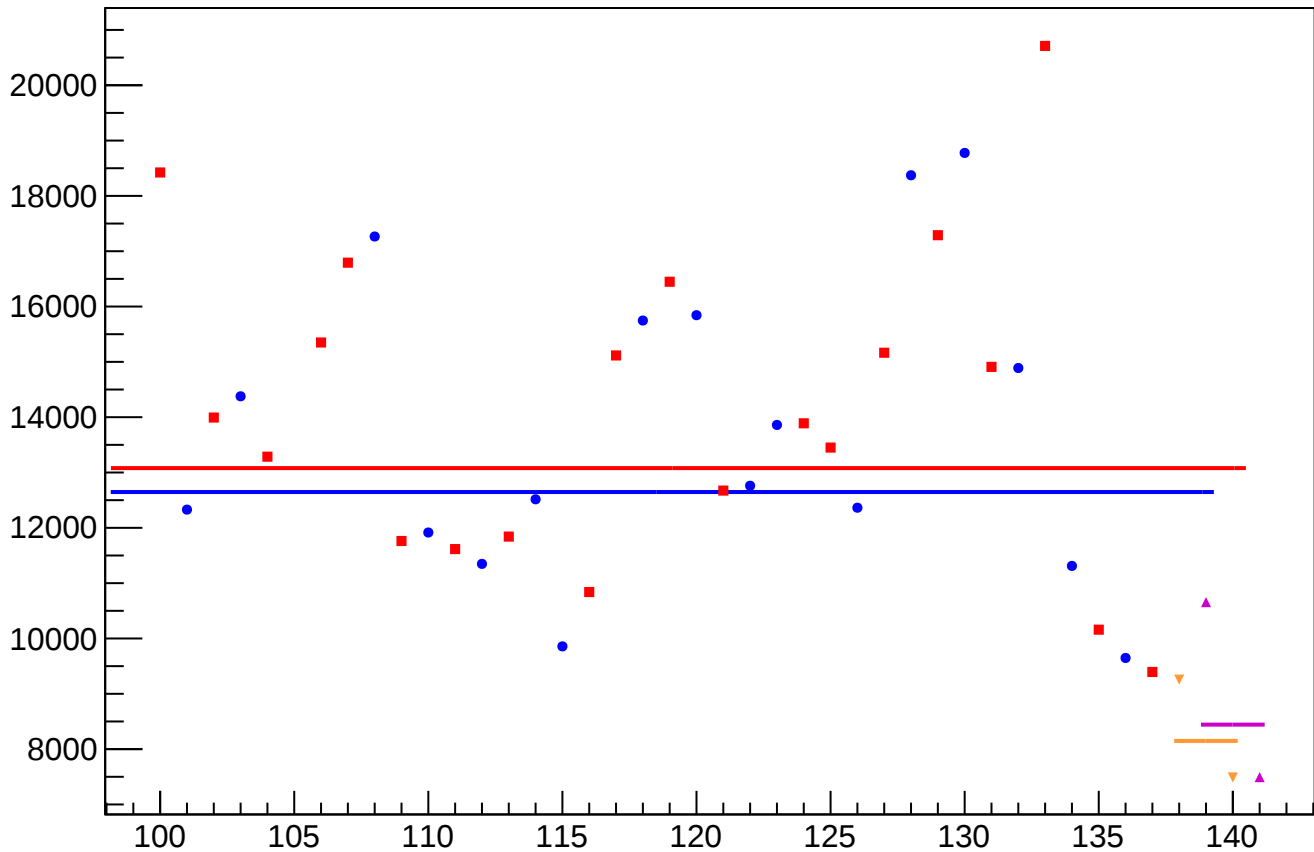
Right Out: -10.369 ± 4.992 χ^2/NDF : 13.8/19

Left In: -5.813 ± 6.855 χ^2/NDF : 1.3/1

-7.686 ± 4.019 χ^2/NDF : 25.6/18

-8.790 ± 4.035 χ^2/NDF : 15.4/21

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8148.098+/-4.720 χ^2/NDF : 32845.5/1

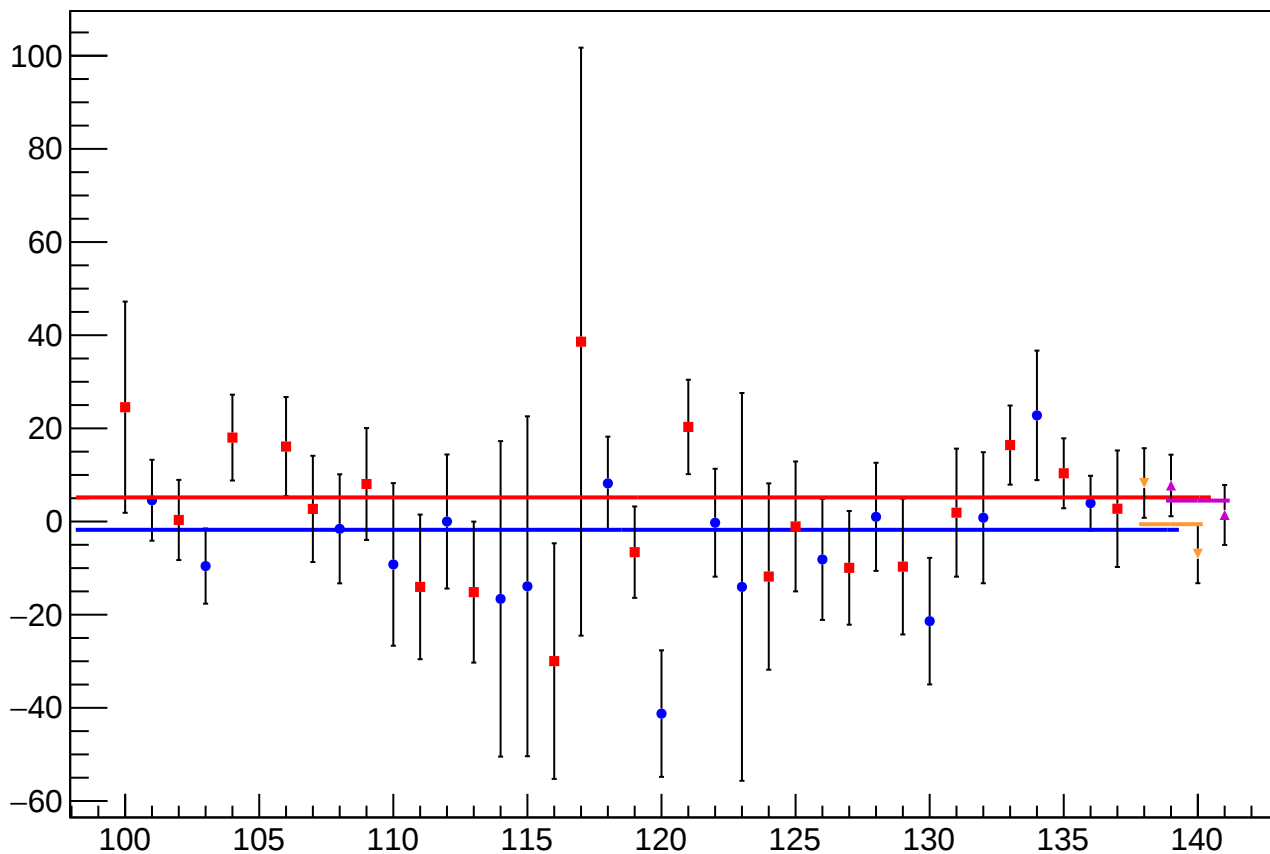
11016.142+/-2.842 χ^2/NDF : 1166424.6/18

Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

11472.915+/-2.853 χ^2/NDF : 1185251.8/21

Left In: 8443.073+/-4.847 χ^2/NDF : 89464.8/1

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: -0.574 ± 4.828 χ^2/NDF : 2.4/1

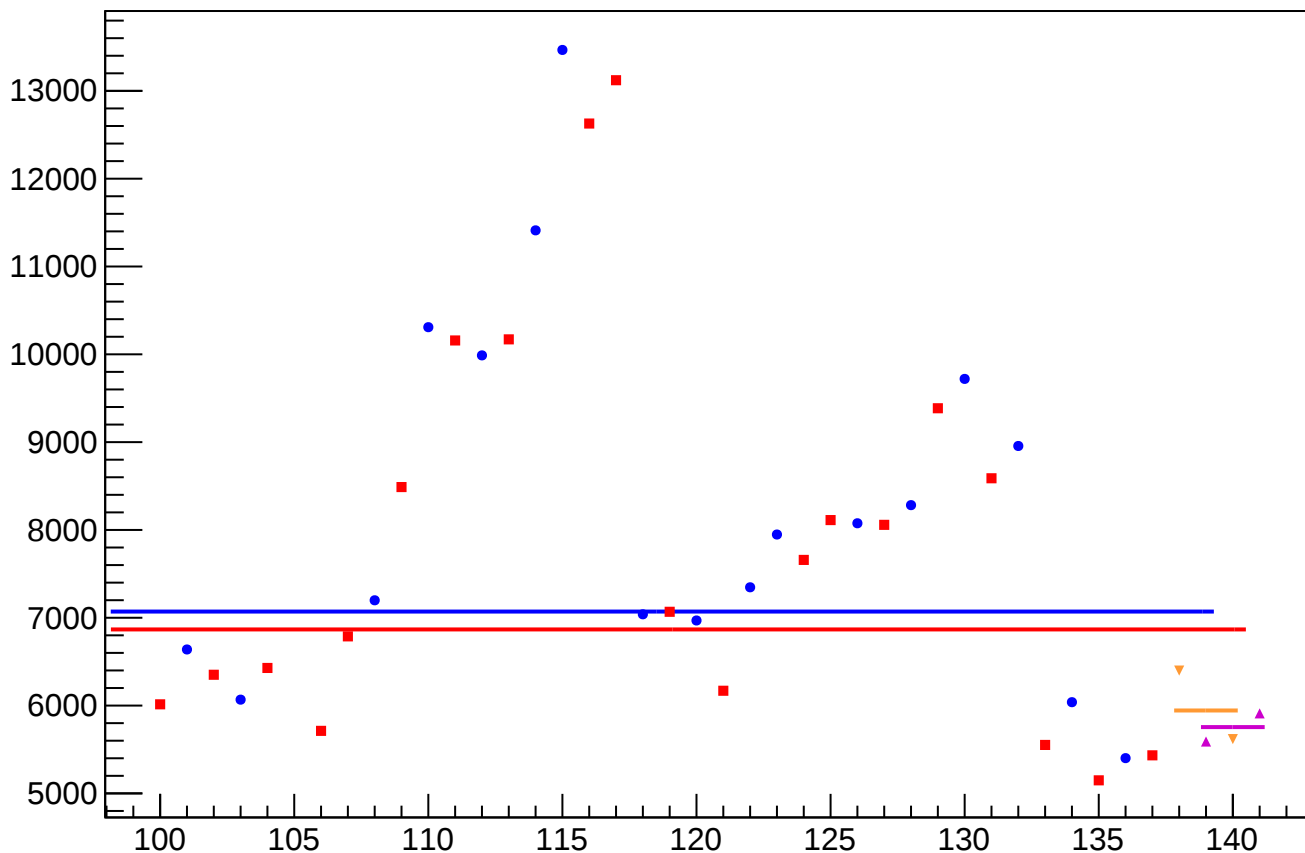
Right Out: 5.181 ± 2.640 χ^2/NDF : 19.2/19

Left In: 4.496 ± 4.610 χ^2/NDF : 0.5/1

-1.473 ± 2.426 χ^2/NDF : 20.4/18

5.011 ± 2.291 χ^2/NDF : 19.7/21

diff_bpm4eY_rms vs Slug



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 5944.176 $\pm$ 3.414 χ^2 /NDF:12703.6/1

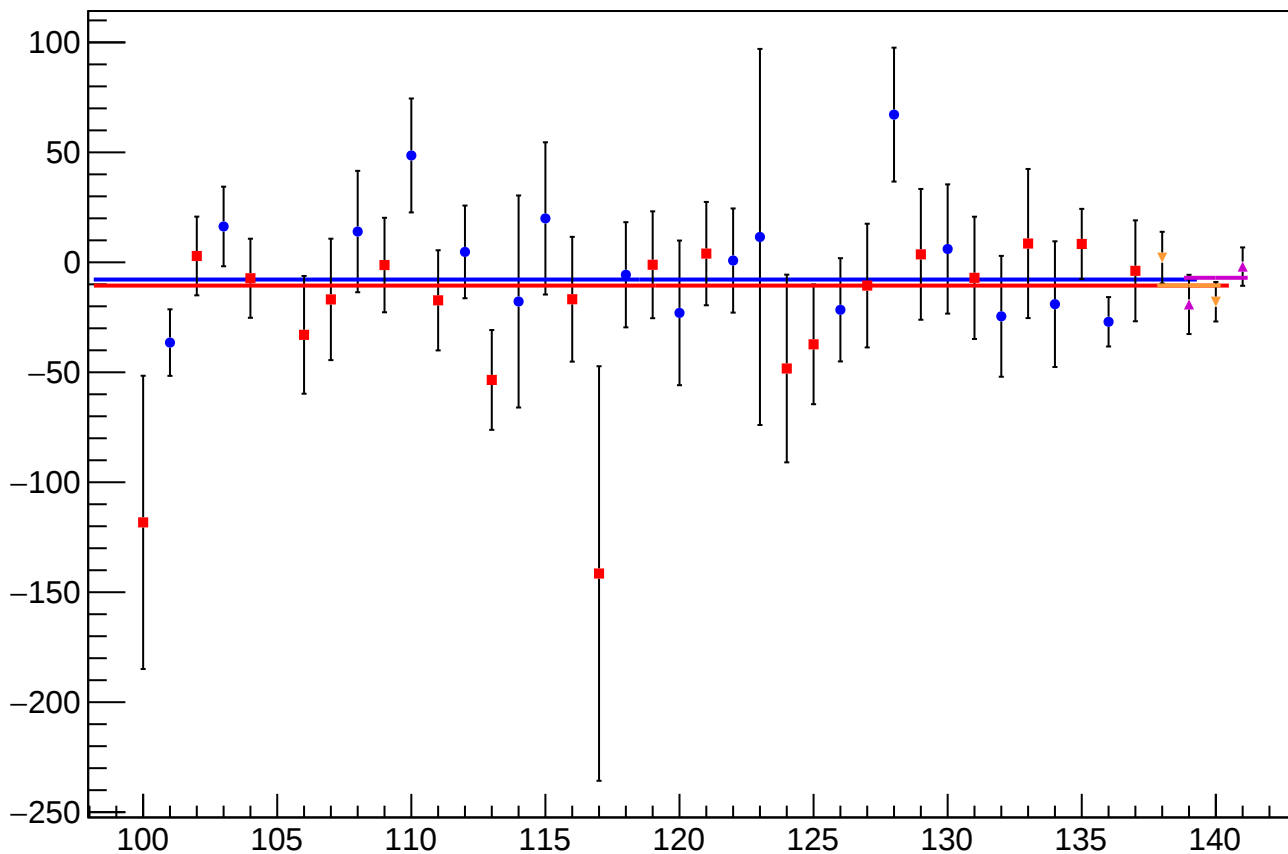
Right Out: 6867.094 $\pm$ 1.866 χ^2 /NDF: 701892.5/19

Left In: 5755.053 $\pm$ 3.260 χ^2 /NDF:2414.3/1

6786.272 $\pm$ 1.715 χ^2 /NDF: 695775.6/18

6592.502 $\pm$ 1.620 χ^2 /NDF: 791960.9/21

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -10.516 ± 7.138 χ^2/NDF : 1.8/1

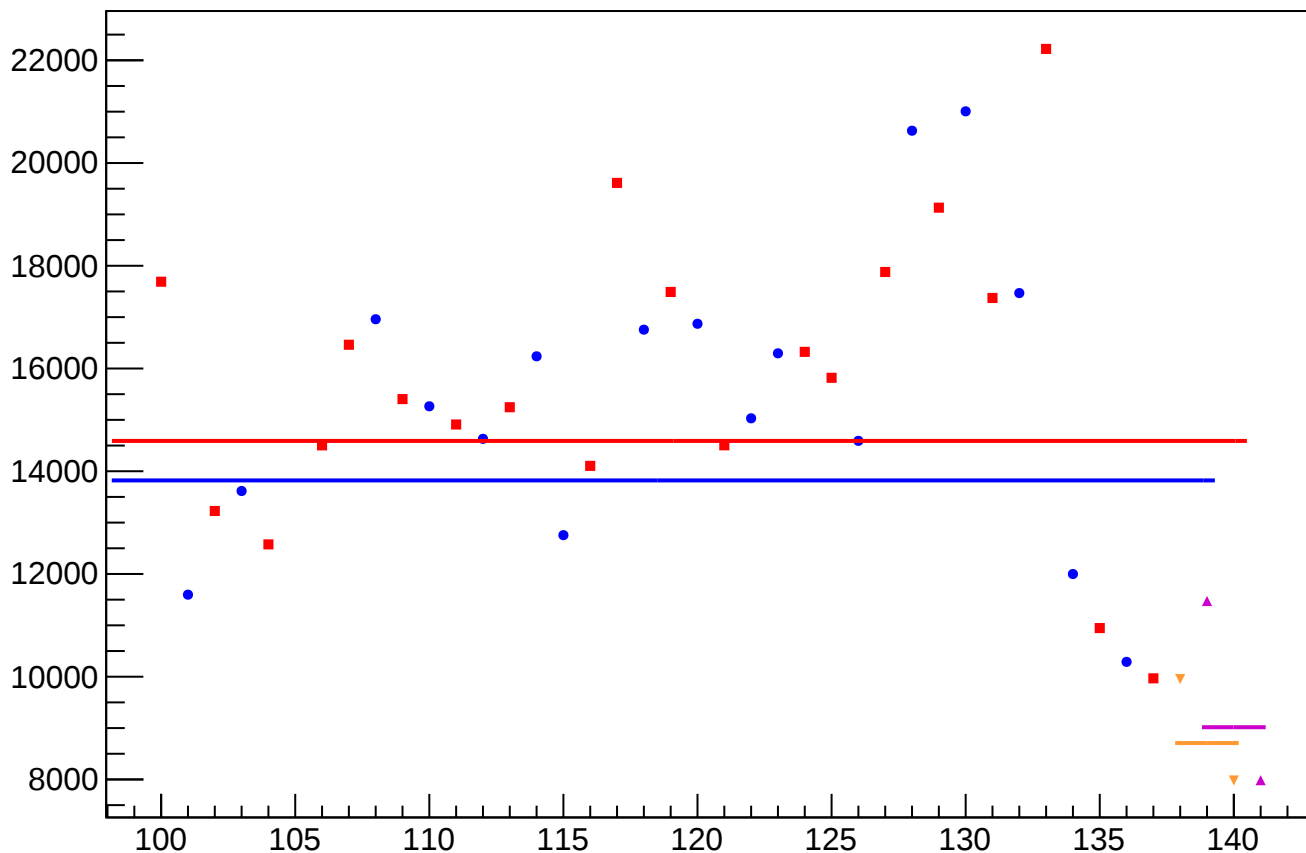
Right Out: -10.574 ± 5.561 χ^2/NDF : 14.1/19

Left In: -7.032 ± 7.326 χ^2/NDF : 1.1/1

-8.831 ± 4.365 χ^2/NDF : 24.2/18

-9.279 ± 4.430 χ^2/NDF : 15.4/21

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 8708.883+/-5.048 χ^2/NDF :35640.0/1

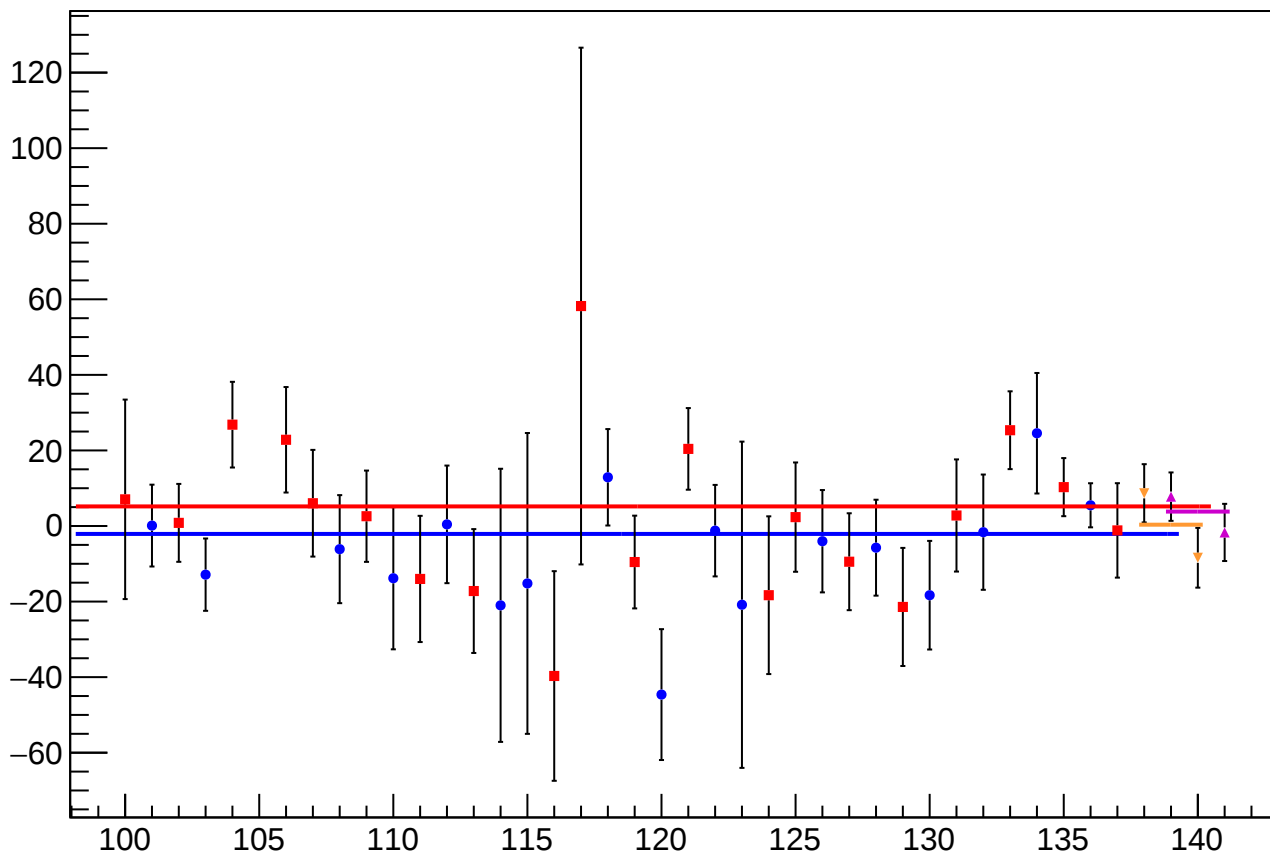
Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

Left In: 9016.746+/-5.181 χ^2/NDF :94446.6/1

11909.973+/-3.086 χ^2/NDF : 1280627.9/18

12552.580+/-3.132 χ^2/NDF : 1306857.2/21

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 0.348 ± 5.520 $\chi^2/\text{NDF}: 2.4/1$

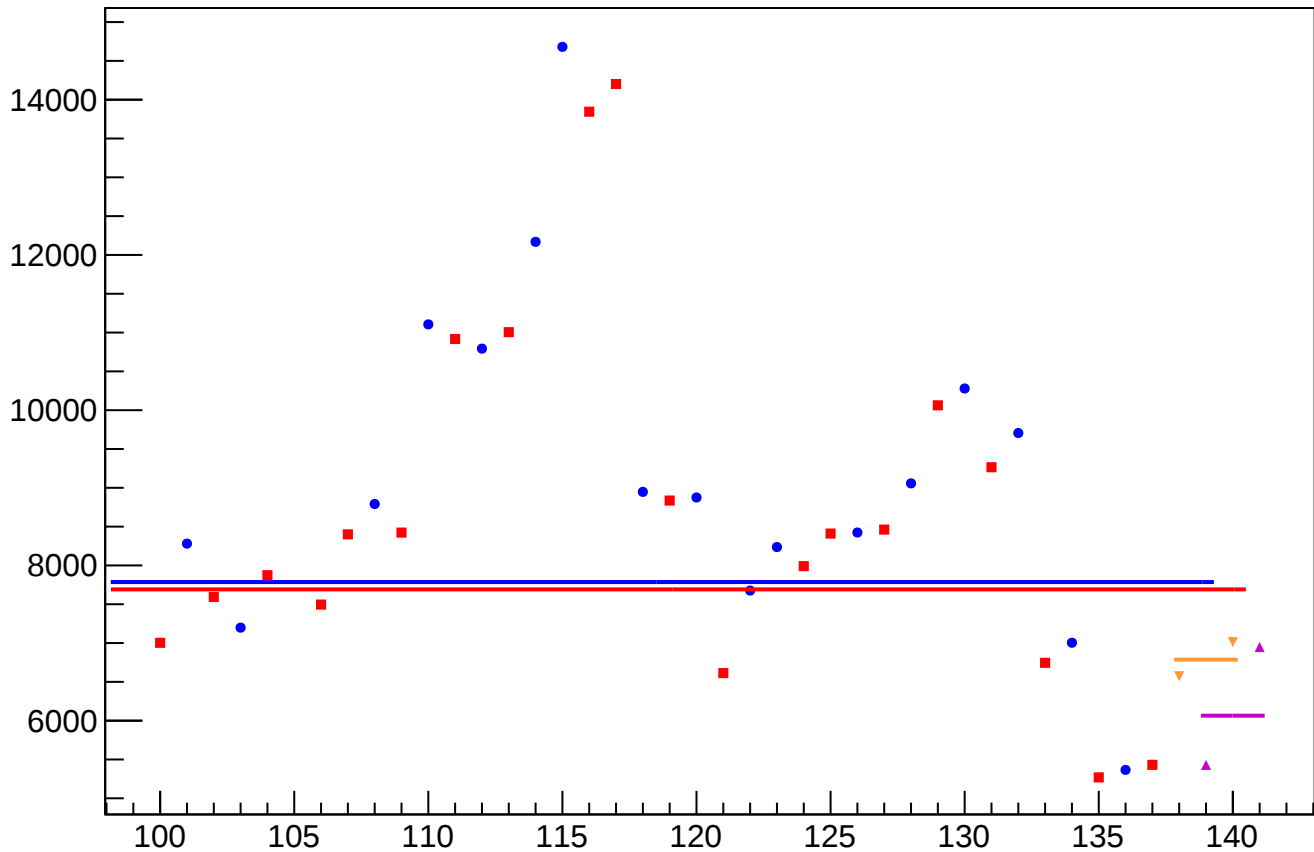
Right Out: 5.184 ± 2.959 $\chi^2/\text{NDF}: 25.4/19$

Left In: 3.816 ± 4.889 $\chi^2/\text{NDF}: 0.9/1$

-1.510 ± 2.707 $\chi^2/\text{NDF}: 18.2/18$

4.817 ± 2.532 $\chi^2/\text{NDF}: 26.3/21$

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 6786.217+/-3.904 χ^2/NDF : 3166.8/1

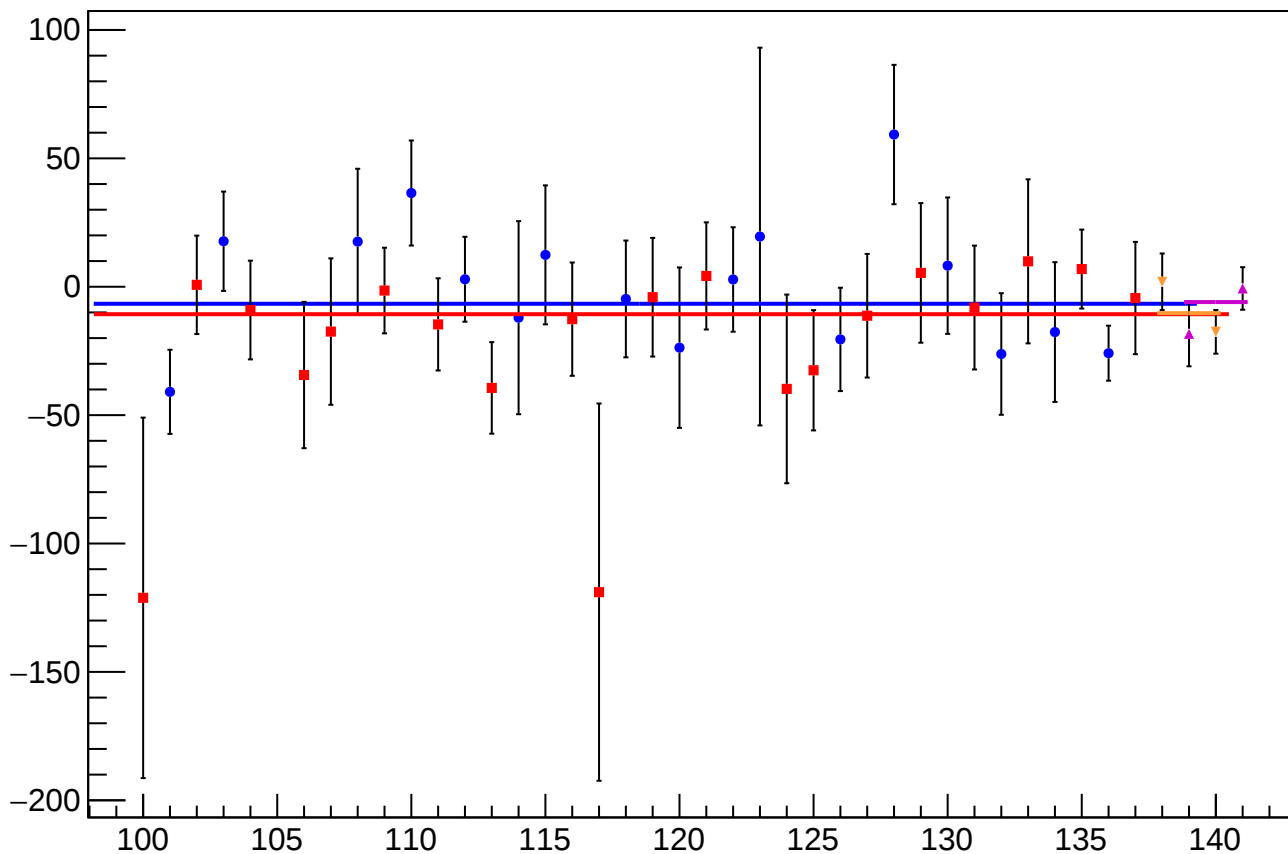
Right Out: 7691.398+/-2.093 χ^2/NDF : 686898.9/19

Left In: 6064.440+/-3.457 χ^2/NDF : 46884.6/1

7545.500+/-1.914 χ^2/NDF : 791083.6/18

7255.086+/-1.790 χ^2/NDF : 895885.2/21

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -10.284 ± 6.737 $\chi^2/\text{NDF}: 2.0/1$

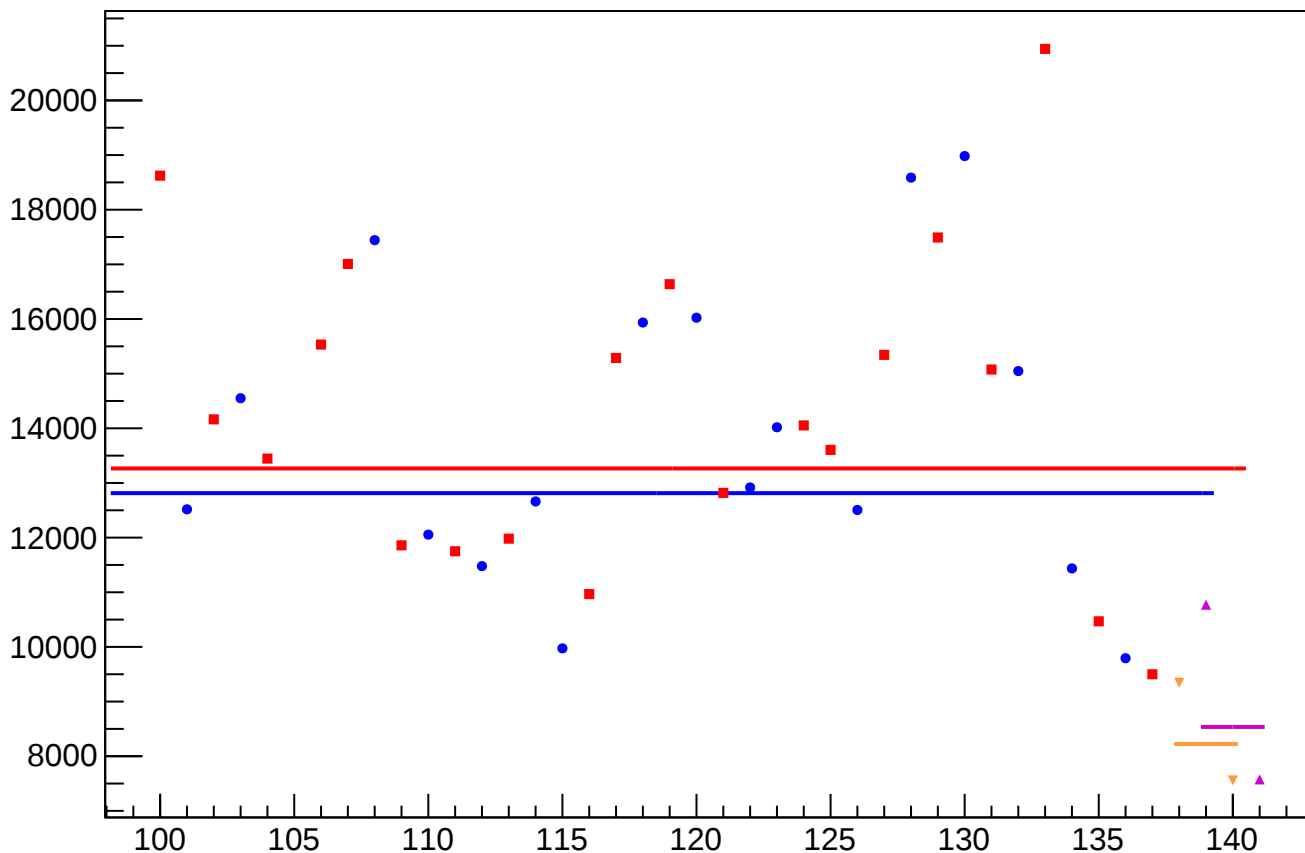
Right Out: -10.688 ± 5.063 $\chi^2/\text{NDF}: 13.0/19$

Left In: -5.968 ± 6.930 $\chi^2/\text{NDF}: 1.4/1$

-7.964 ± 4.067 $\chi^2/\text{NDF}: 25.6/18$

-9.046 ± 4.088 $\chi^2/\text{NDF}: 14.6/21$

diff_bpm4ecX_rms vs Slug



Right In: 12813.726 $\pm$ 3.607 χ^2 /NDF: 548127.6/16

Left Out: 8223.486 $\pm$ 4.764 χ^2 /NDF:32949.1/1

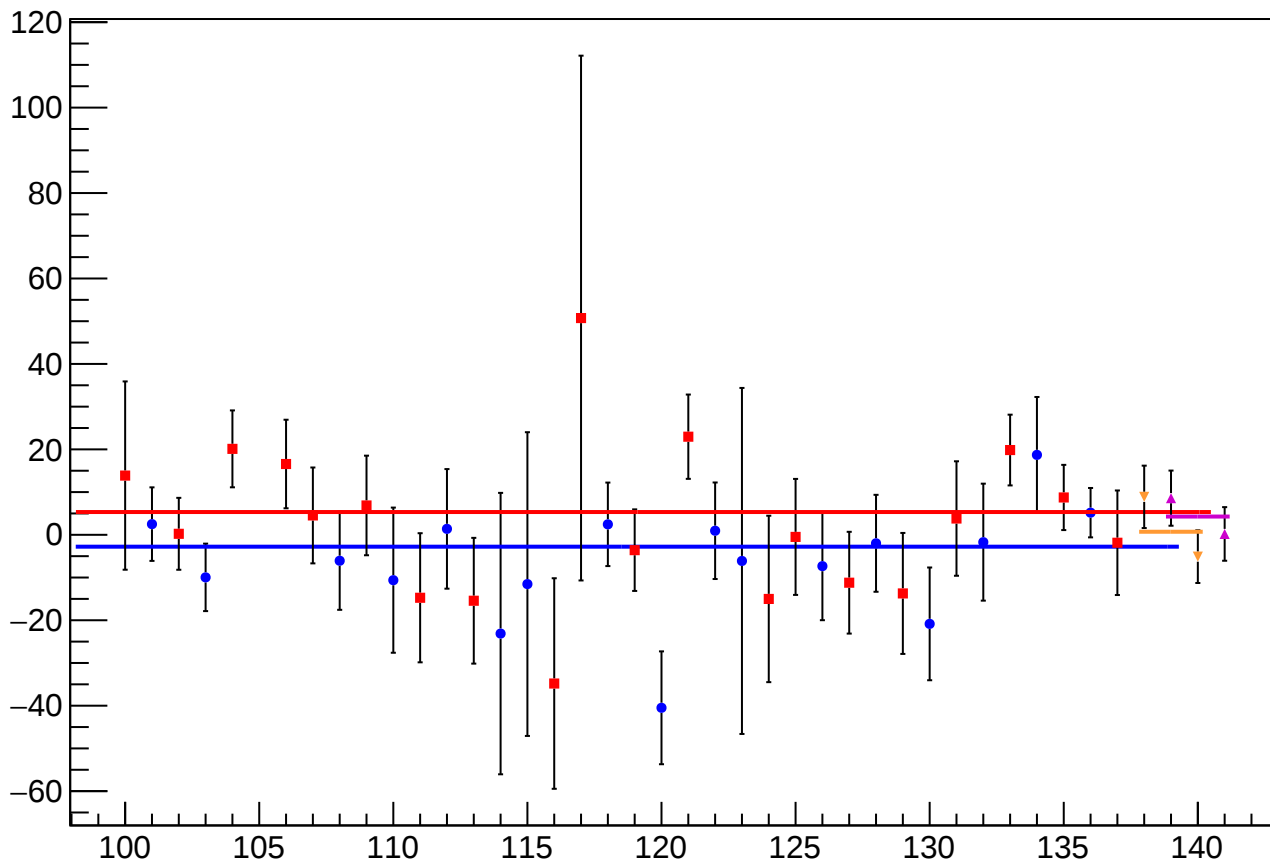
11140.931 $\pm$ 2.876 χ^2 /NDF: 1171197.9/18

Right Out: 13265.185 $\pm$ 3.580 χ^2 /NDF: 485810.1/19

11619.465 $\pm$ 2.891 χ^2 /NDF: 1182498.6/21

Left In: 8535.916 $\pm$ 4.900 χ^2 /NDF:89375.8/1

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 0.717 ± 4.712 $\chi^2/\text{NDF}: 2.1/1$

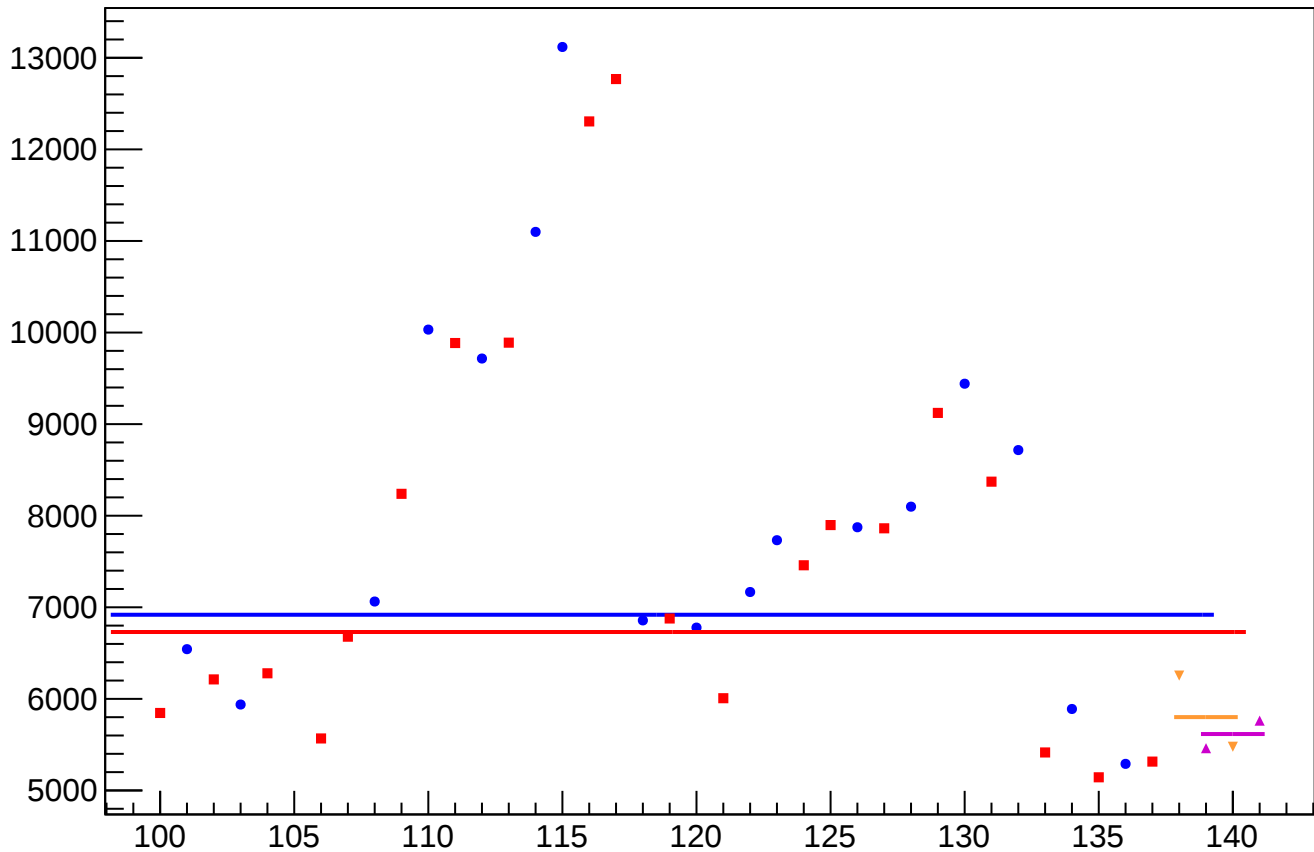
Right Out: 5.332 ± 2.587 $\chi^2/\text{NDF}: 24.1/19$

Left In: 4.275 ± 4.498 $\chi^2/\text{NDF}: 0.9/1$

-1.892 ± 2.373 $\chi^2/\text{NDF}: 19.6/18$

5.070 ± 2.243 $\chi^2/\text{NDF}: 25.0/21$

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 5800.884+/-3.332 χ^2/NDF : 13213.3/1

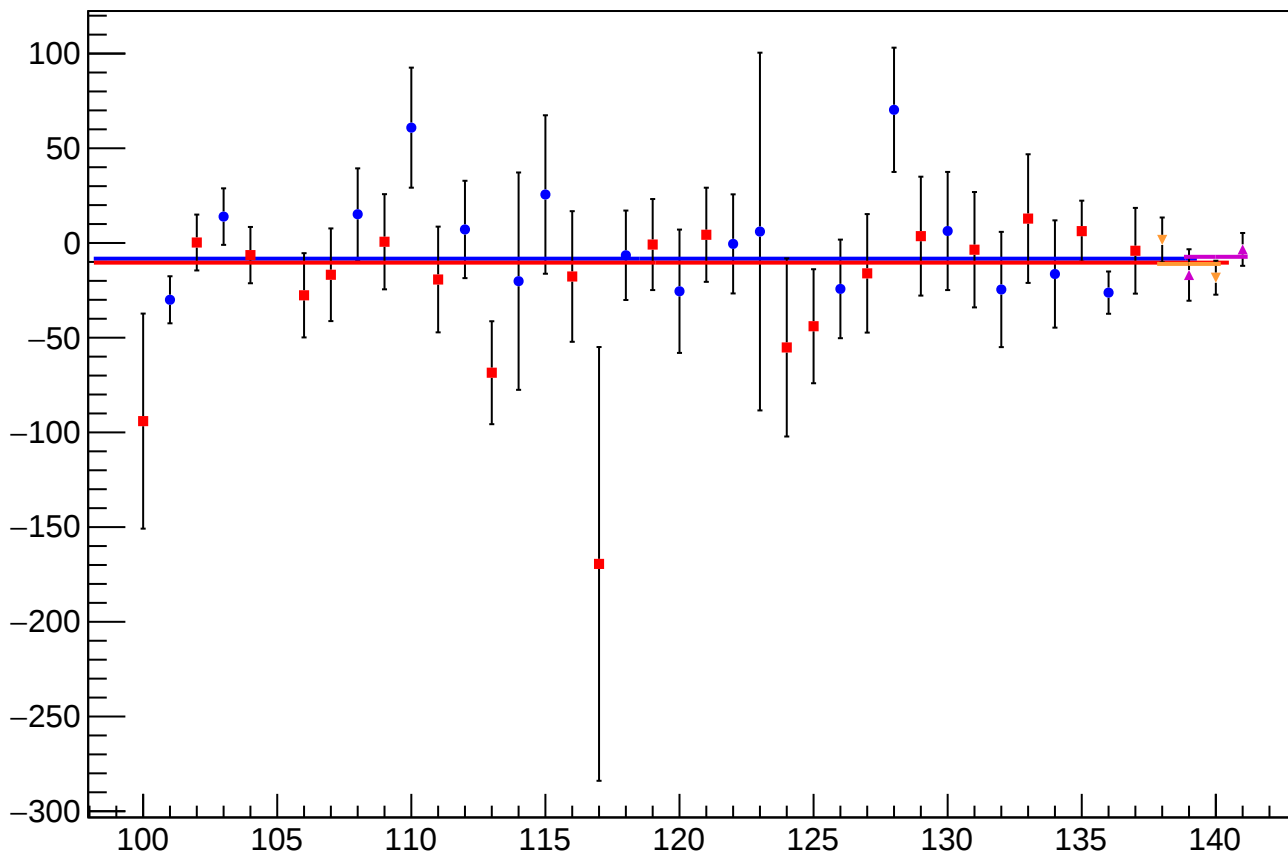
Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

Left In: 5616.136+/-3.181 χ^2/NDF : 2233.0/1

6635.072+/-1.678 χ^2/NDF : 685157.0/18

6453.219+/-1.586 χ^2/NDF : 767590.7/21

diff_bpm1X_mean vs Slug



Right In: -8.286+/-5.410 χ^2/NDF : 21.7/16

Left Out: -11.055+/-7.145 χ^2/NDF : 1.8/1

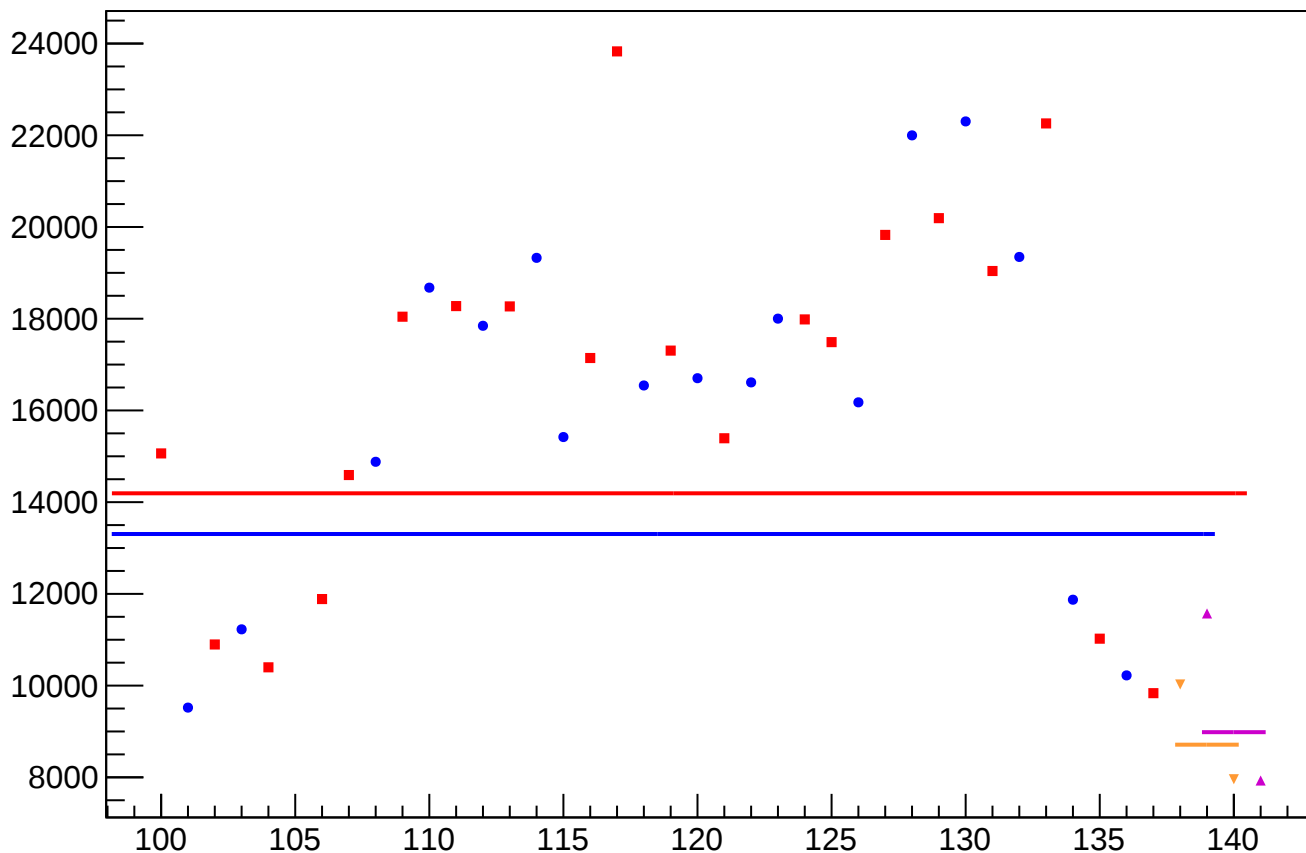
Right Out: -10.376+/-5.507 χ^2/NDF : 14.8/19

Left In: -7.299+/-7.310 χ^2/NDF : 0.7/1

-9.295+/-4.313 χ^2/NDF : 23.6/18

-9.262+/-4.398 χ^2/NDF : 15.6/21

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8711.927+/-5.052 χ^2/NDF :38763.3/1

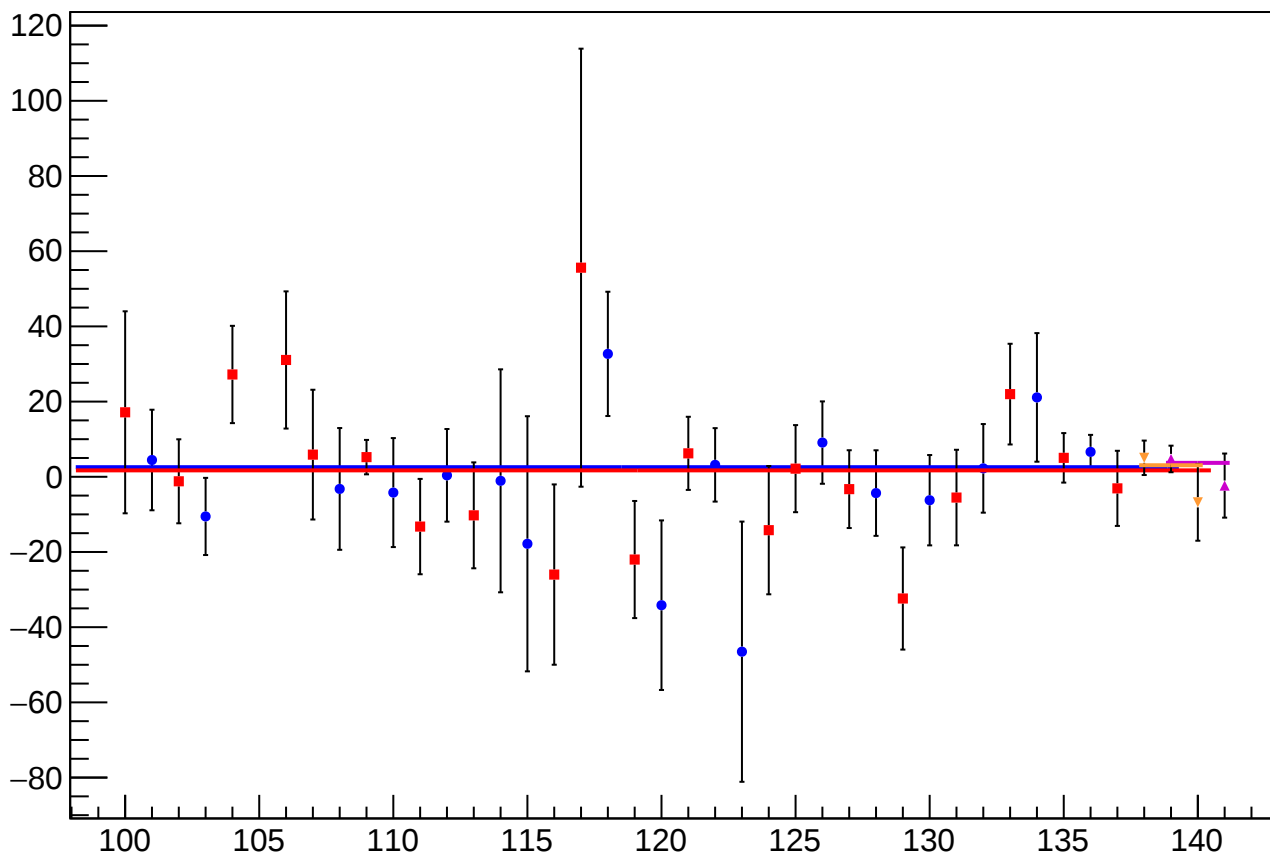
Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

Left In: 8984.588+/-5.169 χ^2/NDF :102140.3/1

11631.594+/-3.050 χ^2/NDF : 1608222.1/18

12307.377+/-3.110 χ^2/NDF : 1694699.5/21

diff_bpm1Y_mean vs Slug



Right In: 2.551 $\pm$ 2.757 χ^2 /NDF: 13.6/16

Left Out: 3.067 $\pm$ 4.179 χ^2 /NDF: 1.1/1

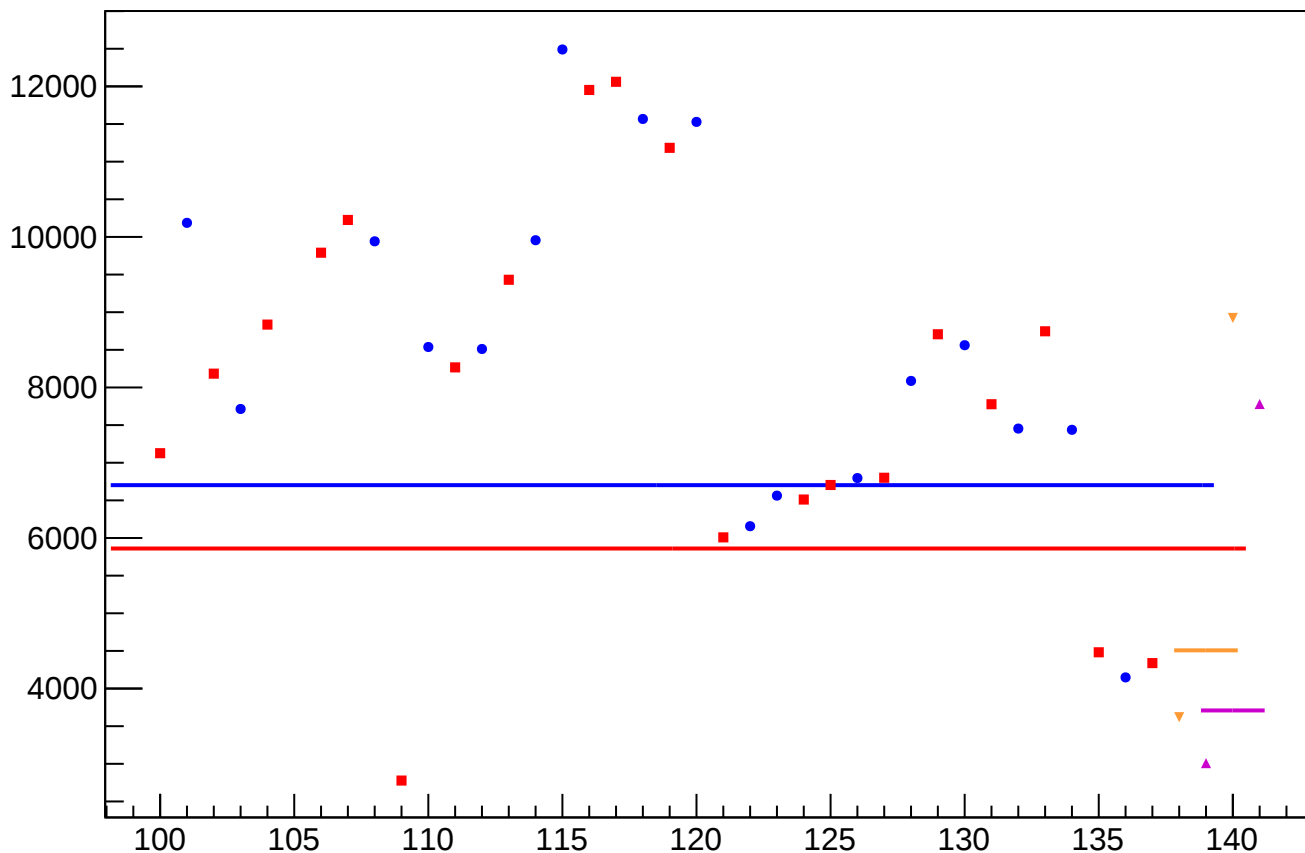
Right Out: 1.708 $\pm$ 2.440 χ^2 /NDF: 24.9/19

Left In: 3.704 $\pm$ 3.265 χ^2 /NDF: 0.6/1

2.708 $\pm$ 2.301 χ^2 /NDF: 14.8/18

2.423 $\pm$ 1.955 χ^2 /NDF: 25.7/21

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 4507.455+/-2.955 χ^2/NDF : 449166.8/1

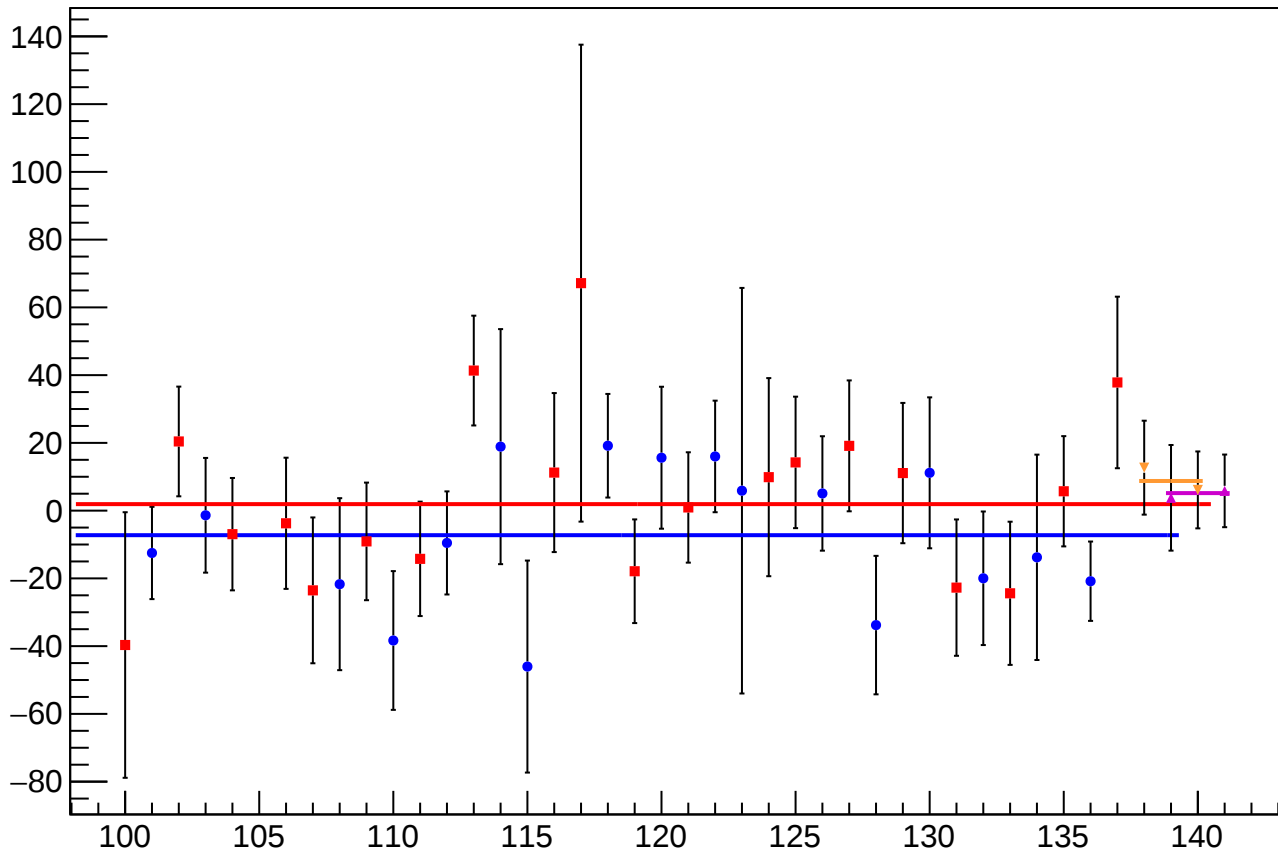
Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

Left In: 3709.042+/-2.309 χ^2/NDF : 534594.8/1

6036.691+/-1.627 χ^2/NDF : 2223536.1/18

5089.390+/-1.382 χ^2/NDF : 3393001.5/21

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 8.755 ± 8.784 χ^2/NDF : 0.1/1

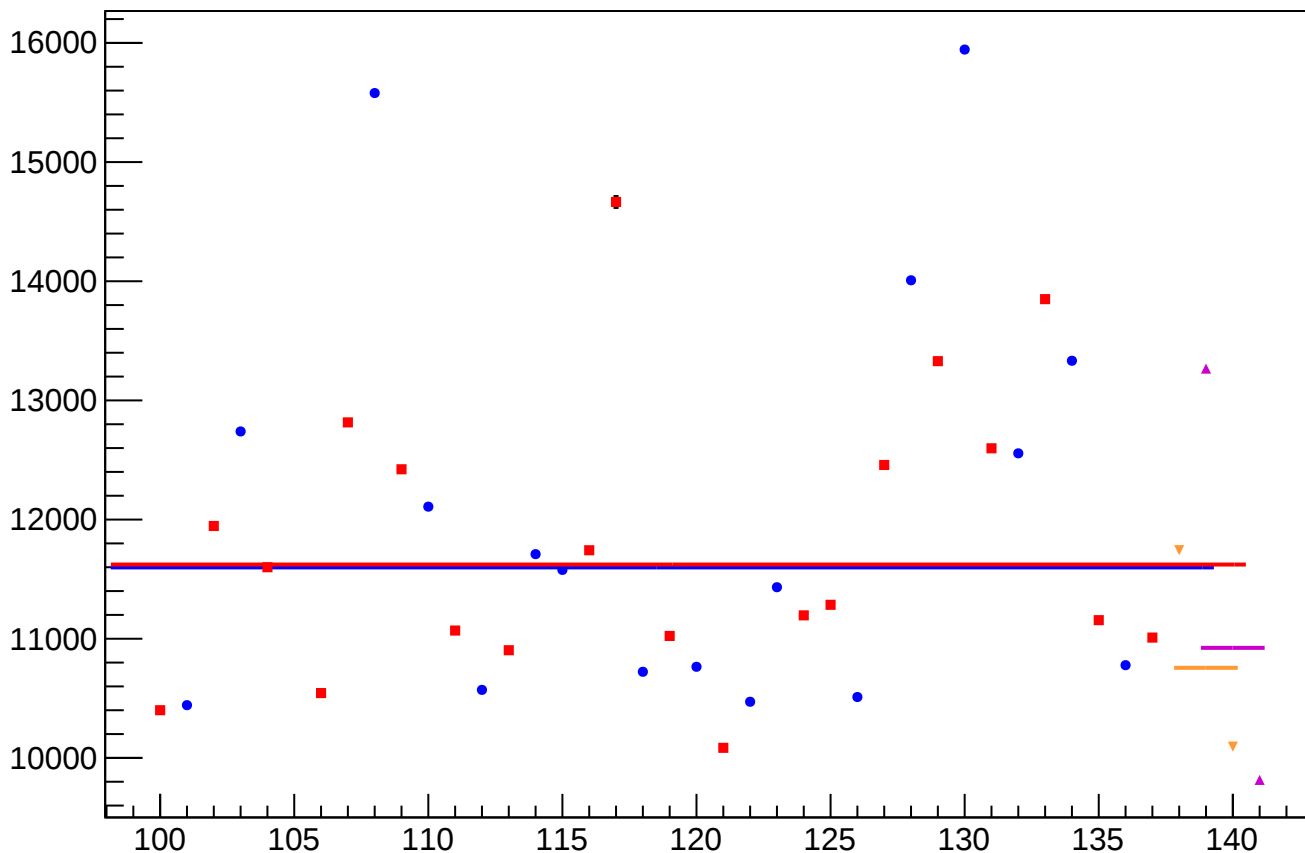
Right Out: 1.922 ± 4.365 χ^2/NDF : 20.7/19

Left In: 5.177 ± 8.835 χ^2/NDF : 0.0/1

-3.864 ± 4.038 χ^2/NDF : 18.7/18

2.561 ± 3.913 χ^2/NDF : 20.8/21

diff_bpm11X_rms vs Slug



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 10756.120+/-6.211 χ^2/NDF :16936.5/1

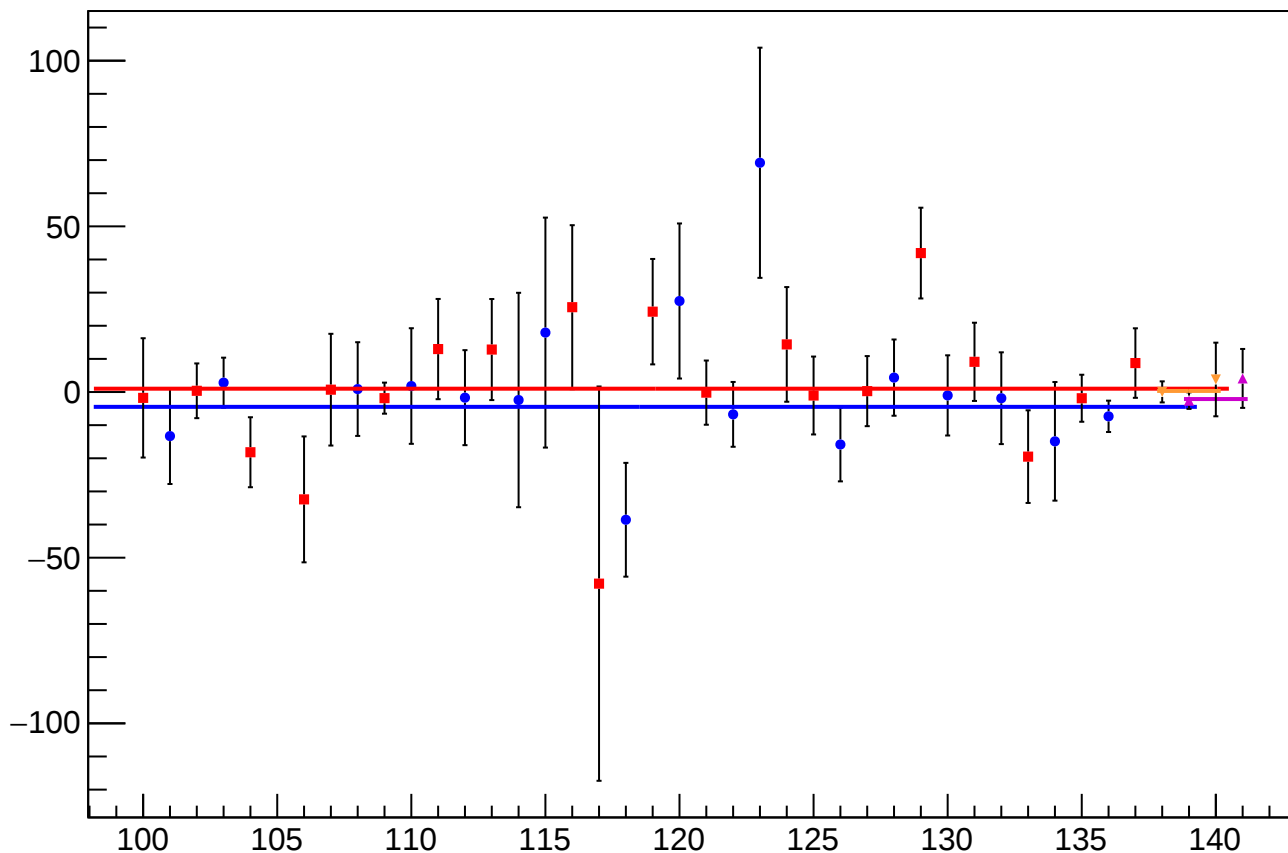
Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

Left In: 10923.499+/-6.247 χ^2/NDF :66532.9/1

11420.682+/-2.855 χ^2/NDF : 266875.4/18

11485.513+/-2.767 χ^2/NDF : 174798.8/21

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 $\chi^2/\text{NDF}: 14.8/16$

Left Out: 0.325 ± 3.055 $\chi^2/\text{NDF}: 0.1/1$

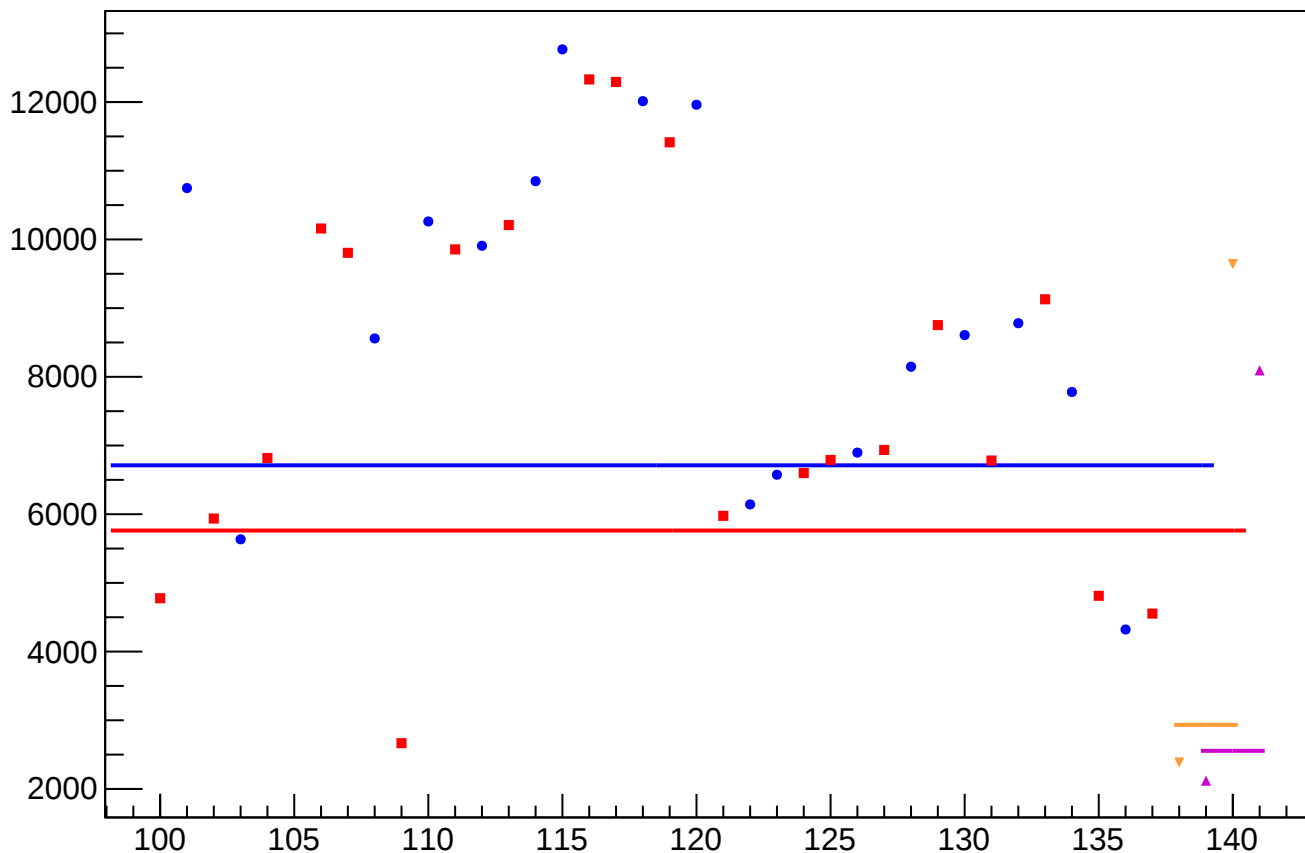
Right Out: 1.007 ± 2.427 $\chi^2/\text{NDF}: 25.0/19$

Left In: -2.118 ± 2.399 $\chi^2/\text{NDF}: 0.5/1$

-2.300 ± 2.057 $\chi^2/\text{NDF}: 16.3/18$

-0.574 ± 1.706 $\chi^2/\text{NDF}: 26.4/21$

diff_bpm11Y_rms vs Slug



Right In: 6711.550 ± 1.967 $\chi^2/\text{NDF}: 1446972.0/16$

Left Out: 2933.297 ± 2.160 $\chi^2/\text{NDF}: 788245.1/1$

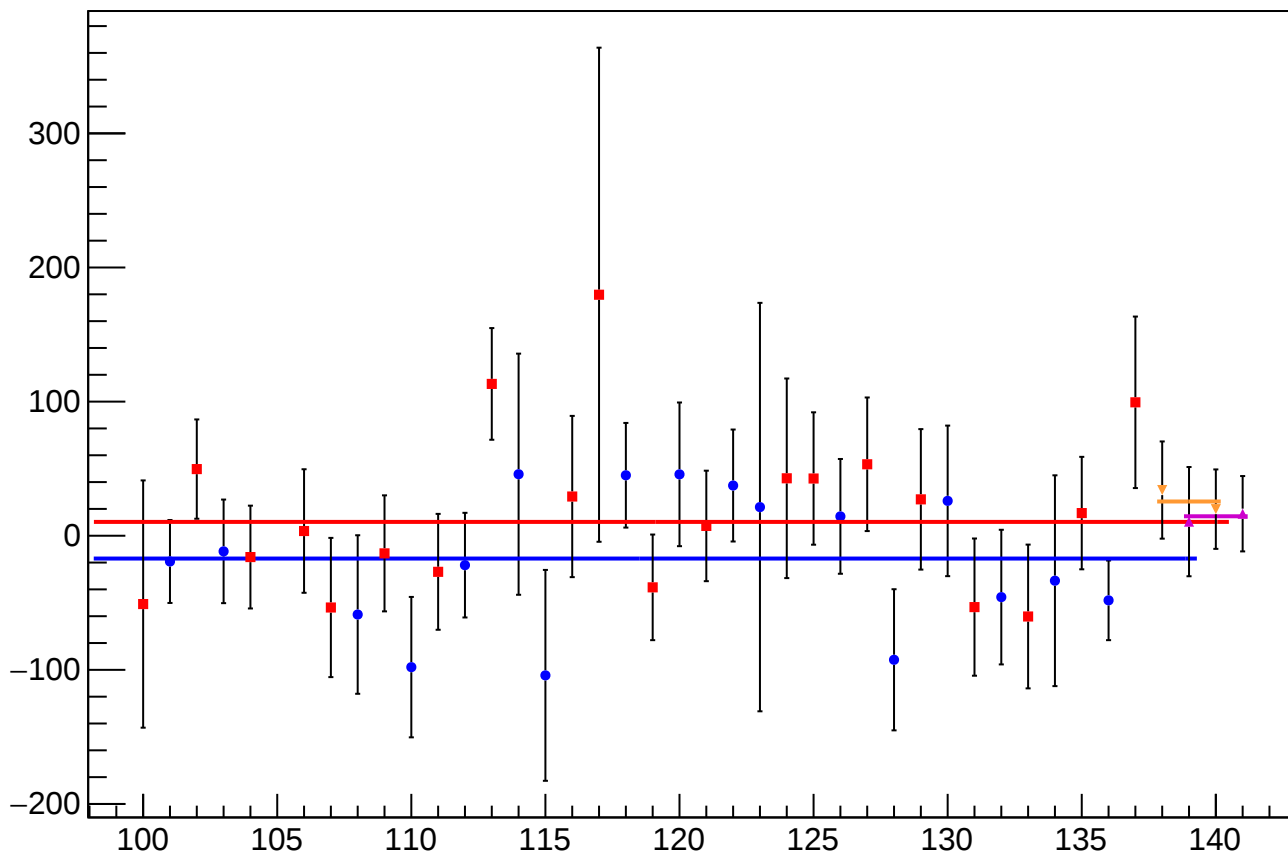
Right Out: 5762.387 ± 1.716 $\chi^2/\text{NDF}: 2189239.7/19$

Left In: 2555.123 ± 1.696 $\chi^2/\text{NDF}: 836531.1/1$

4998.950 ± 1.454 $\chi^2/\text{NDF}: 3907688.7/18$

4139.981 ± 1.206 $\chi^2/\text{NDF}: 4792640.2/21$

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 25.526 ± 22.932 χ^2/NDF : 0.1/1

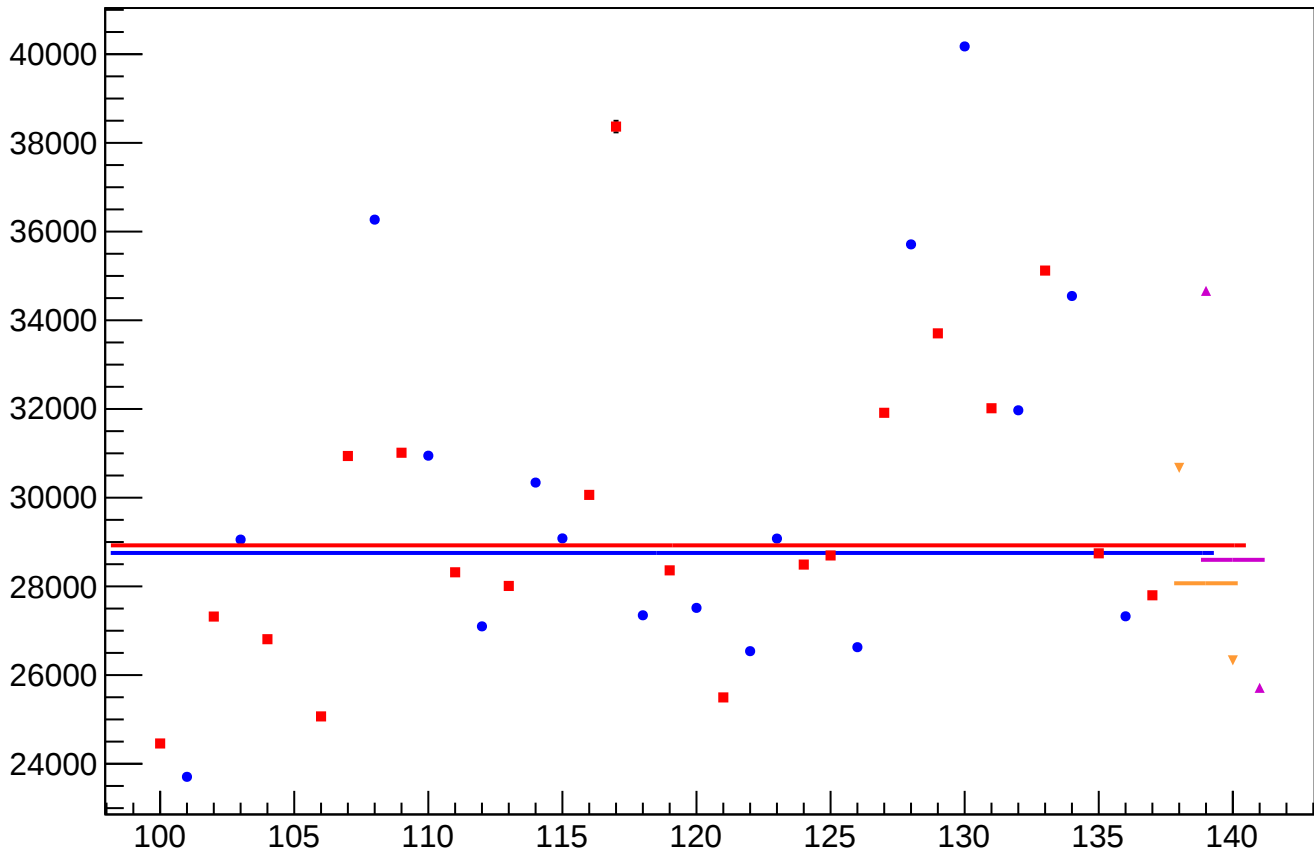
Right Out: 10.311 ± 10.872 χ^2/NDF : 19.9/19

Left In: 14.506 ± 23.123 χ^2/NDF : 0.0/1

-8.715 ± 10.127 χ^2/NDF : 17.8/18

11.071 ± 9.839 χ^2/NDF : 20.0/21

diff_bpm12X_rms vs Slug



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 28070.100+/-16.216 χ^2/NDF : 17200.3/1

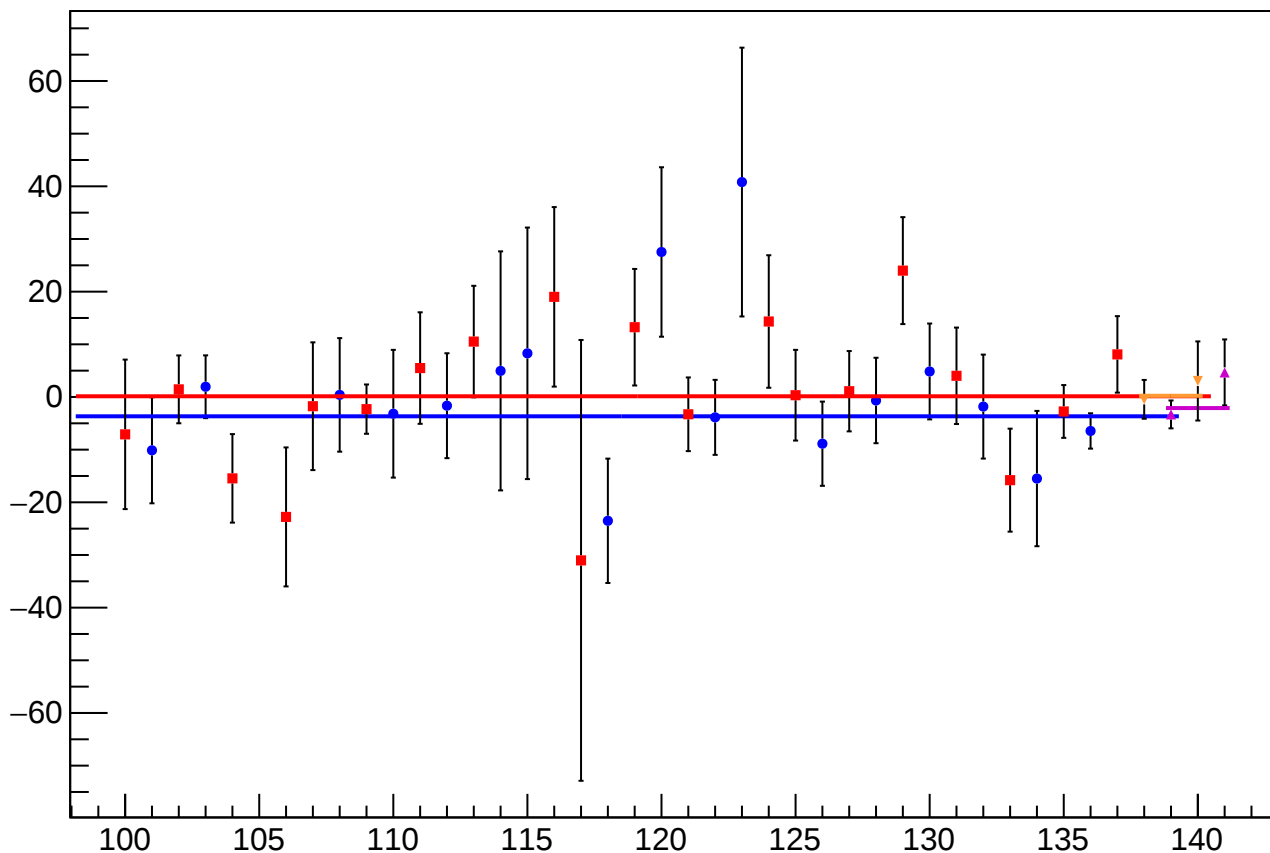
Right Out: 28925.160+/-7.687 χ^2/NDF : 116514.7/19

Left In: 28598.808+/-16.351 χ^2/NDF : 65464.6/1

28620.461+/-7.161 χ^2/NDF : 267846.4/18

28866.079+/-6.957 χ^2/NDF : 182305.6/21

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 $\chi^2/\text{NDF}: 14.5/16$

Left Out: 0.230 ± 3.308 $\chi^2/\text{NDF}: 0.2/1$

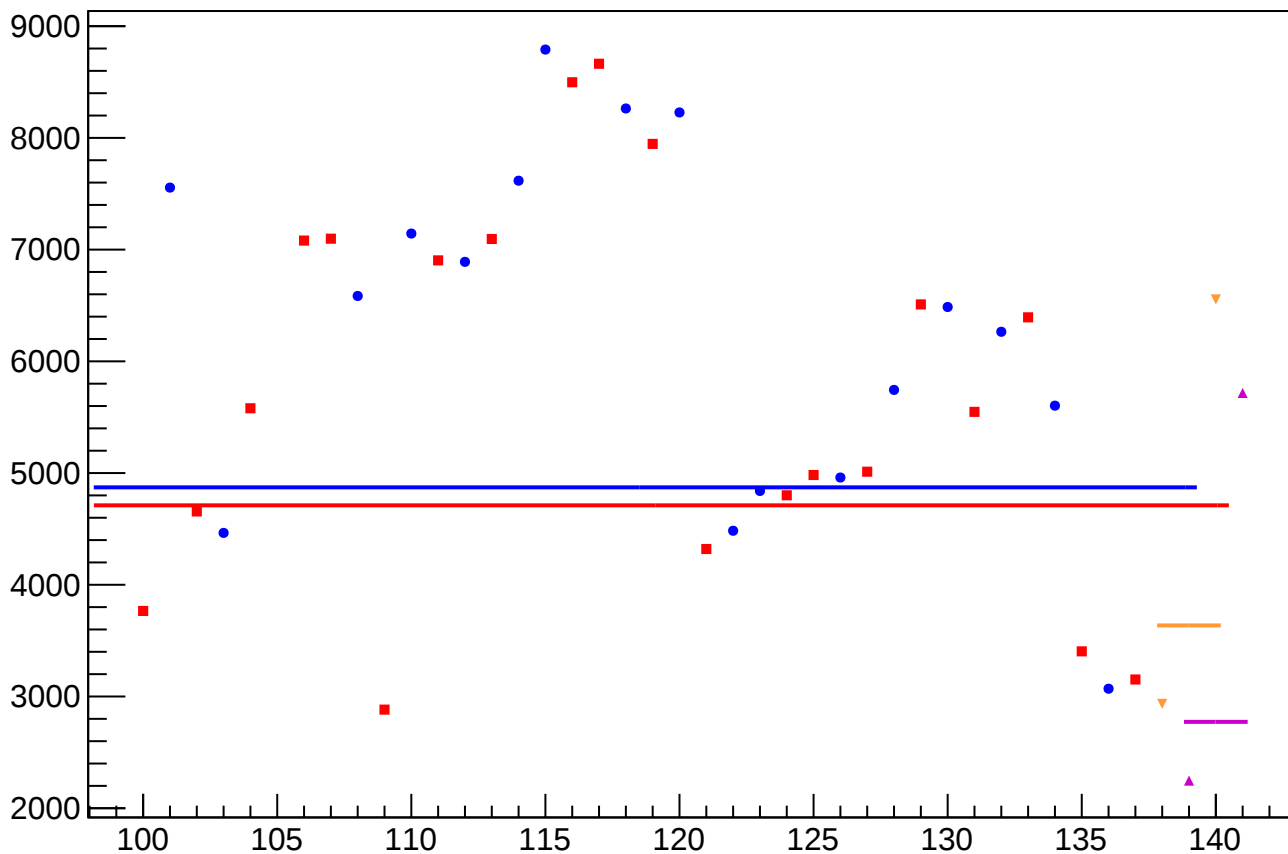
Right Out: 0.135 ± 1.891 $\chi^2/\text{NDF}: 22.9/19$

Left In: -2.102 ± 2.438 $\chi^2/\text{NDF}: 1.4/1$

-2.617 ± 1.718 $\chi^2/\text{NDF}: 15.7/18$

-0.705 ± 1.494 $\chi^2/\text{NDF}: 24.8/21$

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 3636.174+/-2.339 χ^2/NDF : 374519.0/1

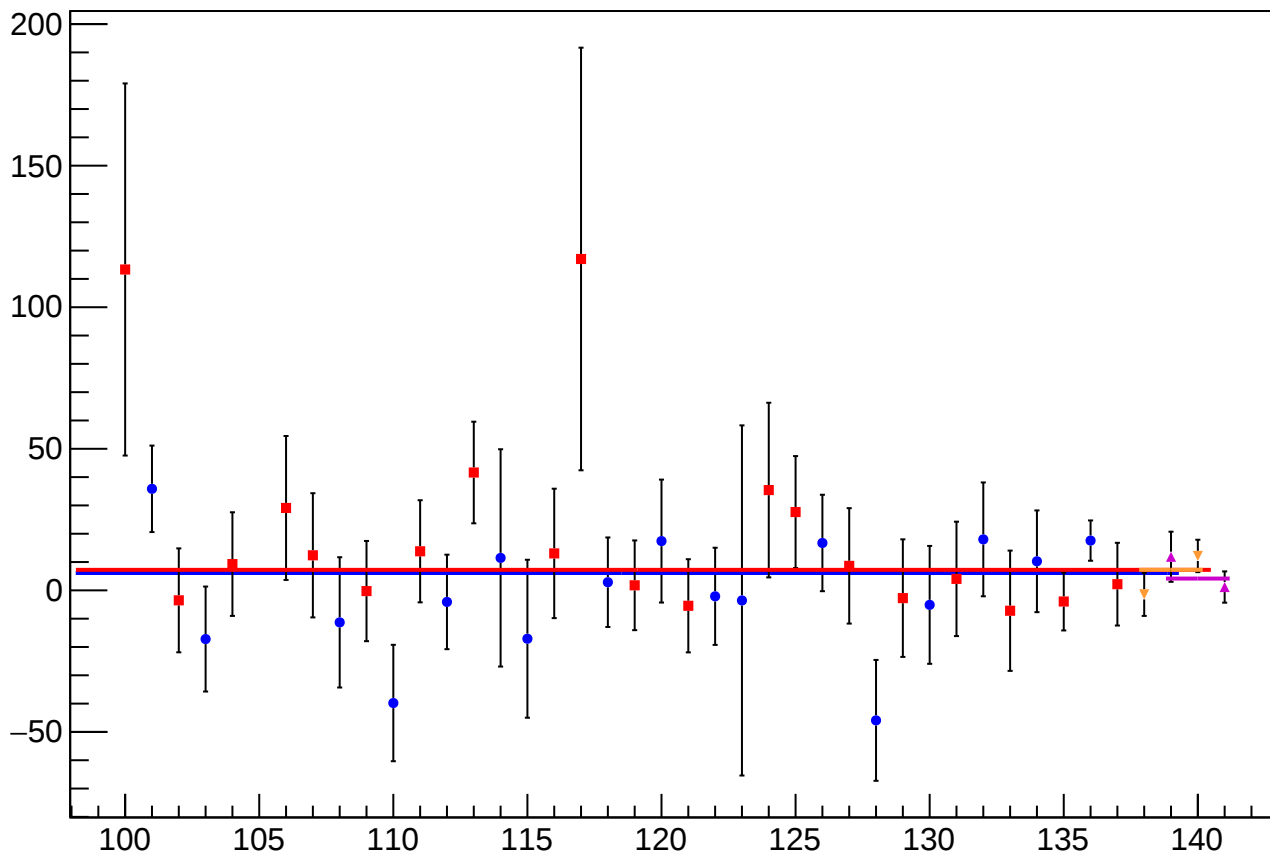
Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

Left In: 2773.040+/-1.724 χ^2/NDF : 520934.0/1

4538.891+/-1.215 χ^2/NDF : 1983690.4/18

3983.060+/-1.056 χ^2/NDF : 2640878.0/21

diff_bpm16X_mean vs Slug



Right In: 6.133 $\pm$ 4.080 χ^2 /NDF: 22.2/16

Left Out: 7.262 $\pm$ 4.575 χ^2 /NDF: 2.0/1

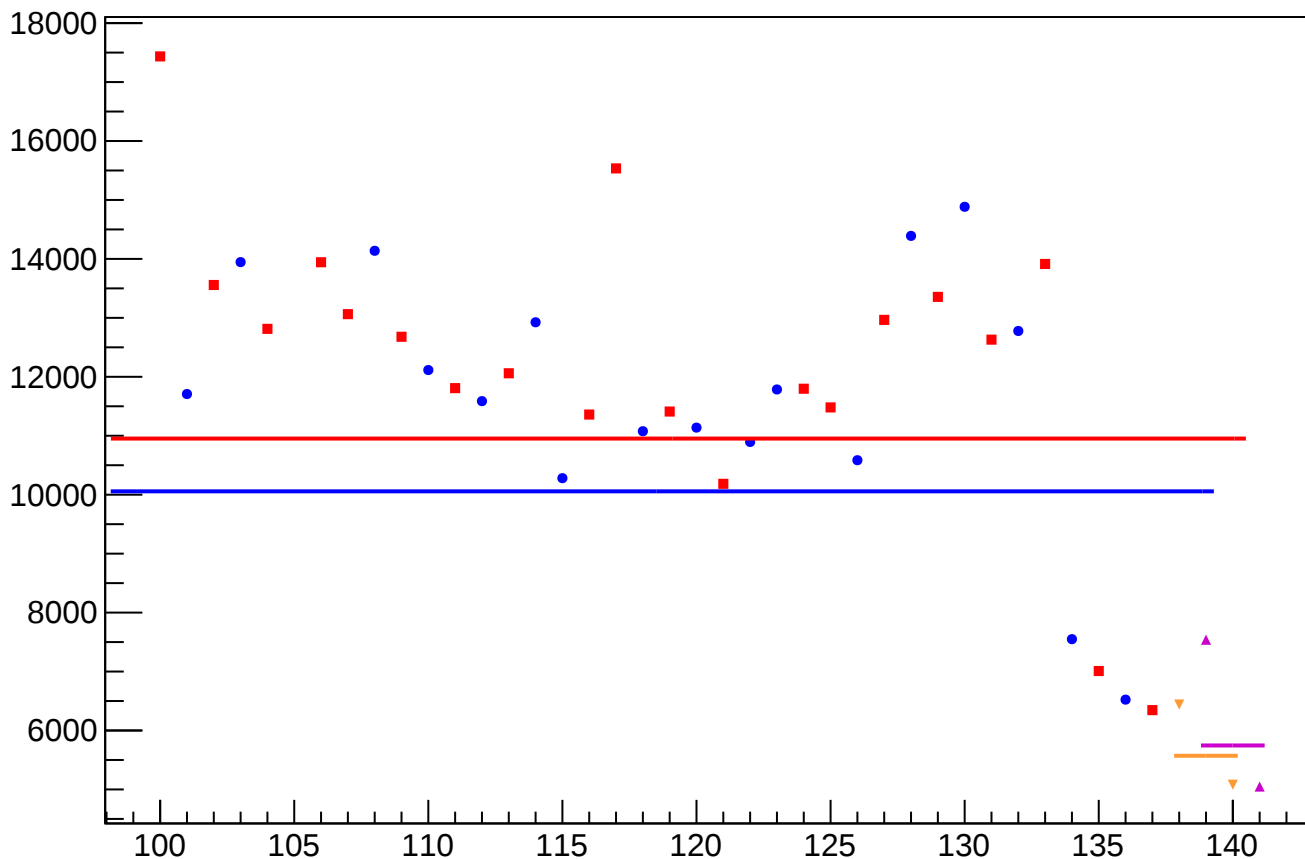
Right Out: 7.243 $\pm$ 4.218 χ^2 /NDF: 14.6/19

Left In: 4.169 $\pm$ 4.684 χ^2 /NDF: 1.1/1

6.633 $\pm$ 3.045 χ^2 /NDF: 24.3/18

5.867 $\pm$ 3.134 χ^2 /NDF: 15.9/21

diff_bpm16X_rms vs Slug



Right In: 10056.991+/-2.885 χ^2/NDF : 1002872.6/16

Left Out: 5571.350+/-3.235 χ^2/NDF : 40769.6/1

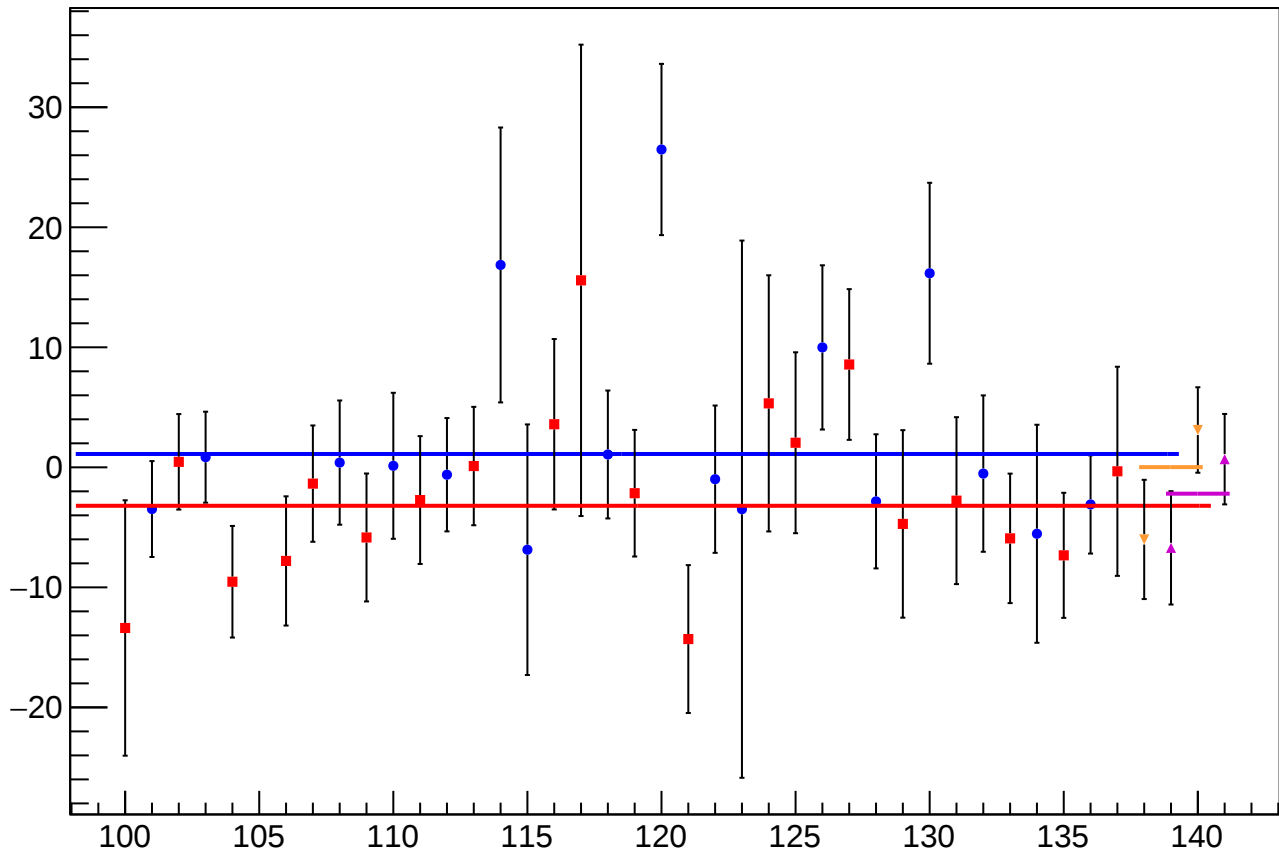
Right Out: 10952.255+/-2.982 χ^2/NDF : 770474.3/19

Left In: 5746.207+/-3.312 χ^2/NDF : 114003.9/1

8069.587+/-2.153 χ^2/NDF : 2114614.6/18

8621.489+/-2.216 χ^2/NDF : 2248732.1/21

diff_bpm16Y_mean vs Slug



Right In: 1.112 $\pm$ 1.403 χ^2 /NDF: 24.6/16

Left Out: 0.016 $\pm$ 2.894 χ^2 /NDF: 2.2/1

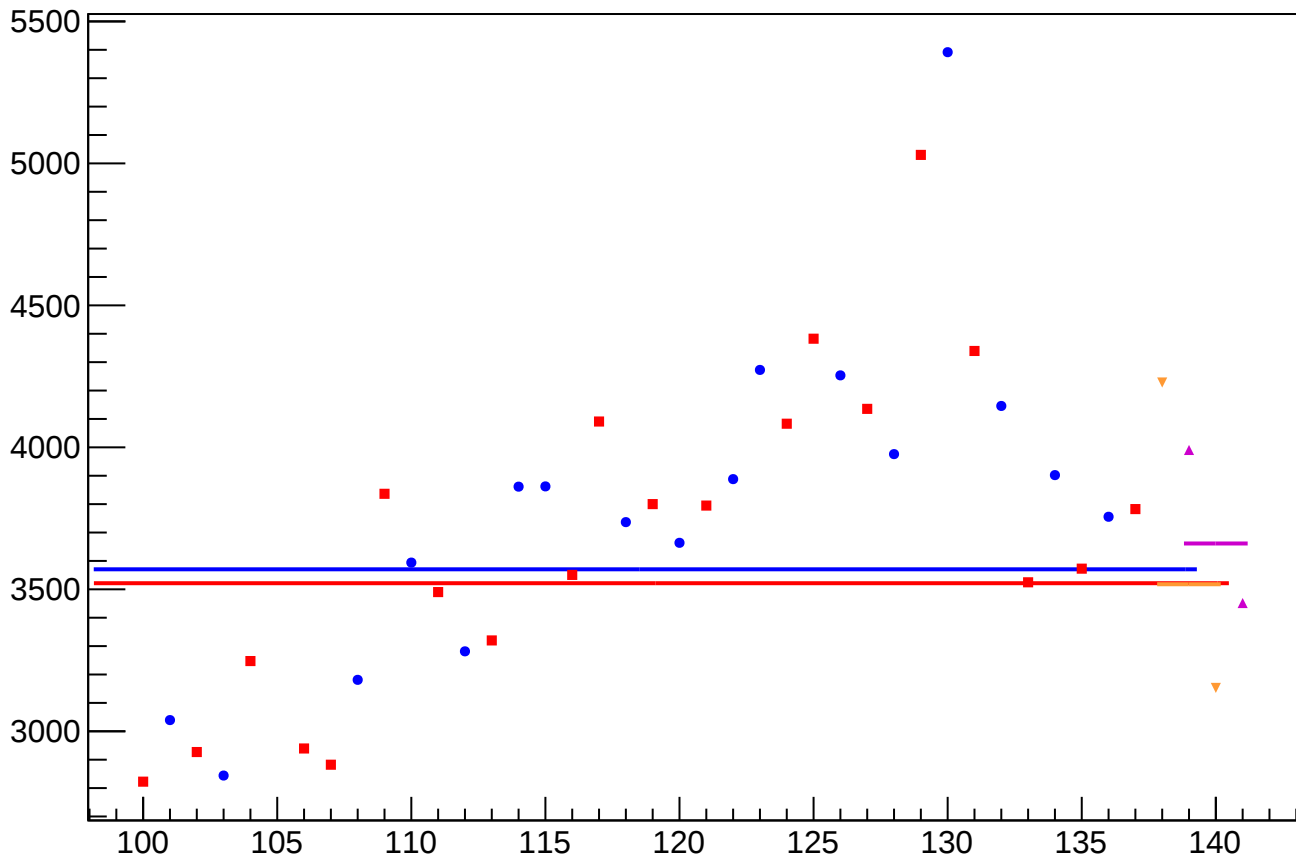
Right Out: -3.204 $\pm$ 1.331 χ^2 /NDF: 16.0/19

Left In: -2.195 $\pm$ 2.945 χ^2 /NDF: 1.5/1

0.904 $\pm$ 1.262 χ^2 /NDF: 26.9/18

-3.033 $\pm$ 1.213 χ^2 /NDF: 17.6/21

diff_bpm16Y_rms vs Slug



Right In: 3570.481 ± 0.992 χ^2/NDF : 309699.2/16

Left Out: 3517.847 ± 2.046 χ^2/NDF : 61944.4/1

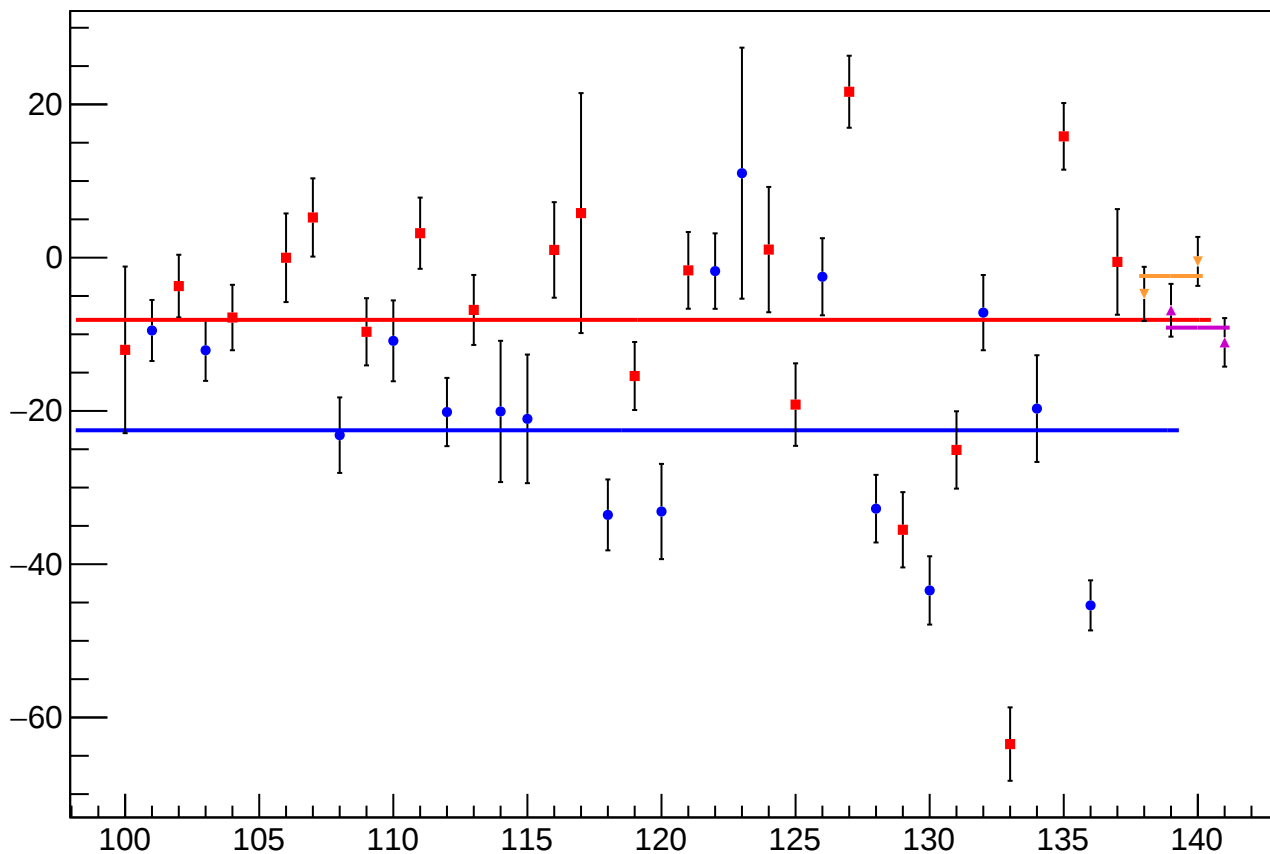
Right Out: 3521.513 ± 0.941 χ^2/NDF : 295082.3/19

Left In: 3661.410 ± 2.082 χ^2/NDF : 15932.8/1

3560.465 ± 0.893 χ^2/NDF : 372179.3/18

3545.233 ± 0.857 χ^2/NDF : 314763.8/21

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -2.395 ± 2.371 χ^2/NDF : 0.8/1

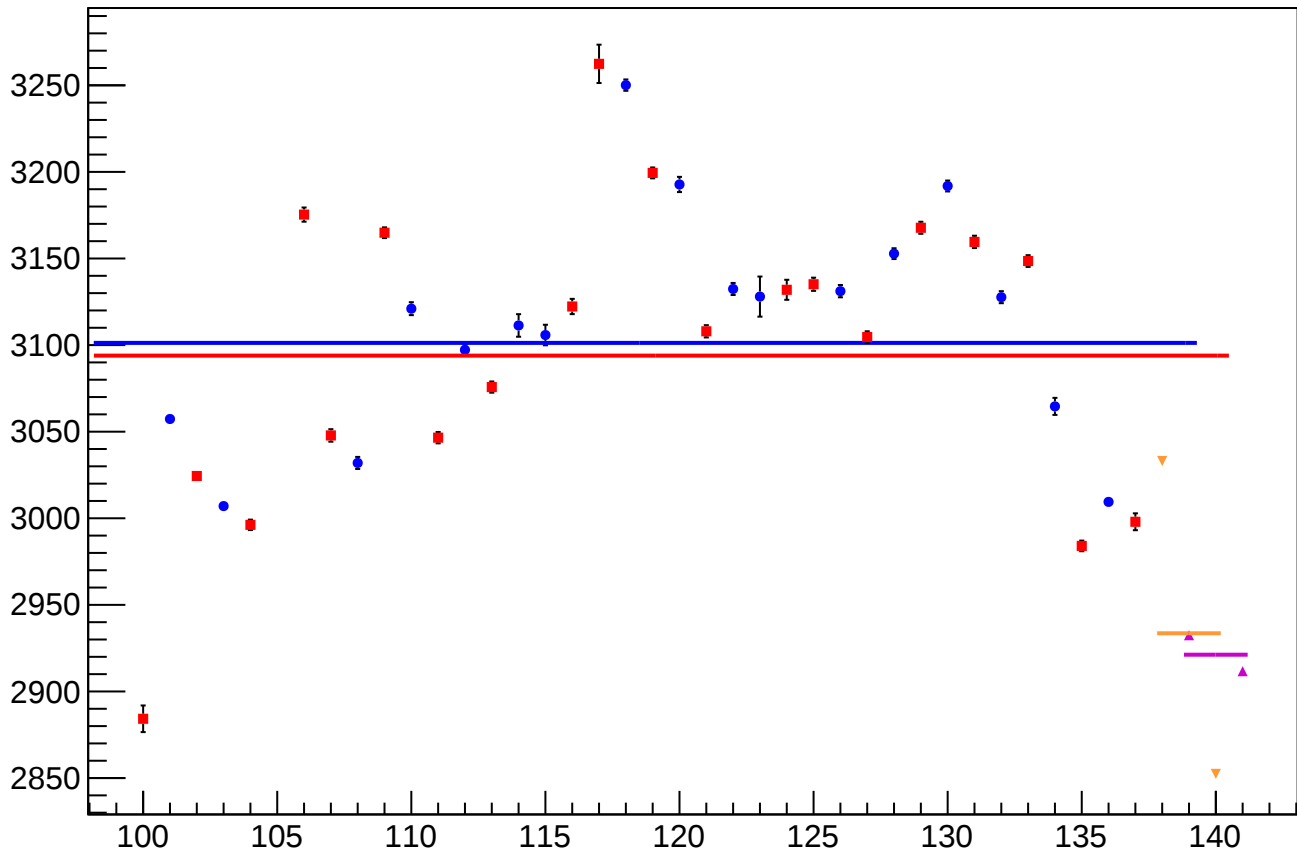
Right Out: -8.116 ± 1.154 χ^2/NDF : 276.6/19

Left In: -9.131 ± 2.331 χ^2/NDF : 0.8/1

-18.418 ± 1.071 χ^2/NDF : 213.7/18

-8.316 ± 1.034 χ^2/NDF : 277.6/21

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 2933.594+/-1.677 χ^2/NDF : 2872.6/1

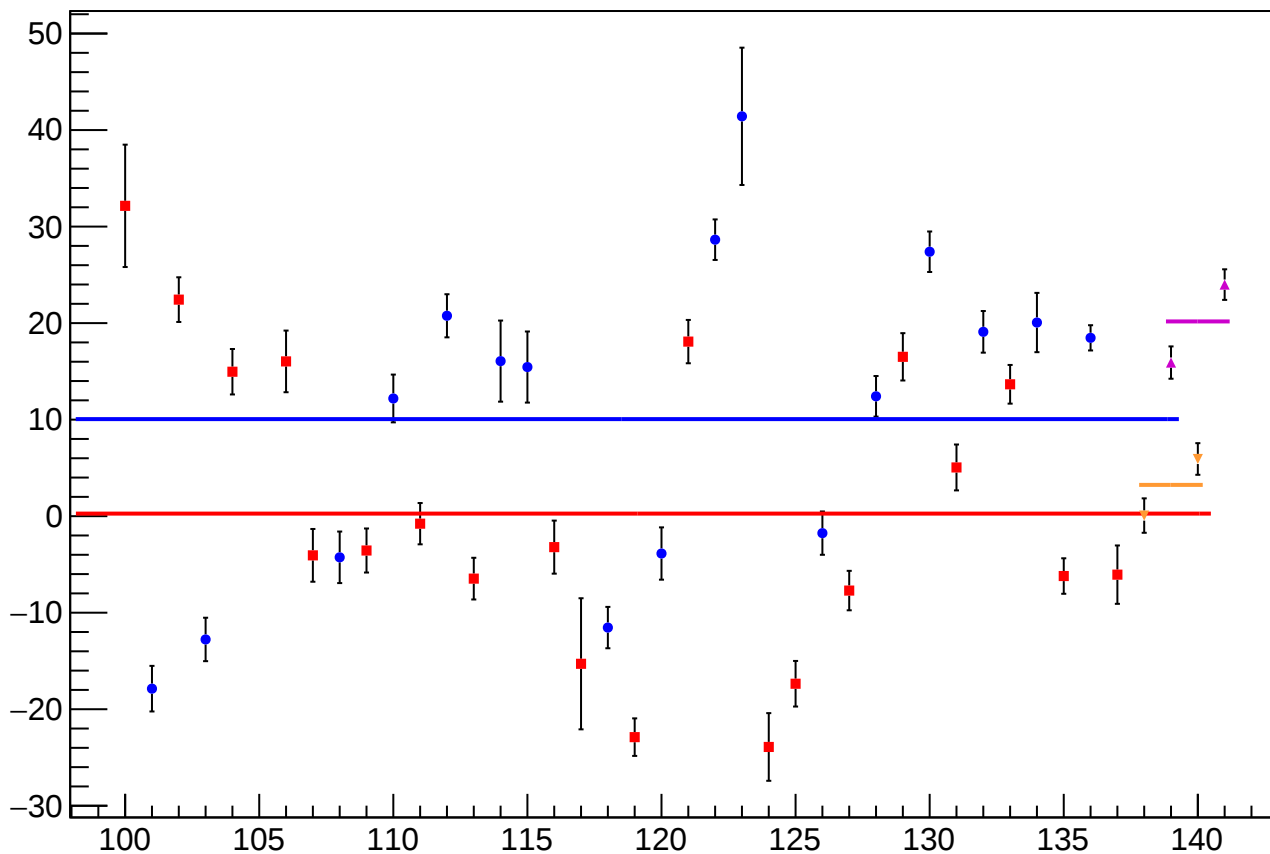
Right Out: 3093.913+/-0.816 χ^2/NDF : 7998.9/19

Left In: 2921.225+/-1.649 χ^2/NDF : 39.4/1

3067.057+/-0.757 χ^2/NDF : 18067.1/18

3059.942+/-0.731 χ^2/NDF : 16852.5/21

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 3.241 $\pm$ 1.207 χ^2 /NDF: 5.9/1

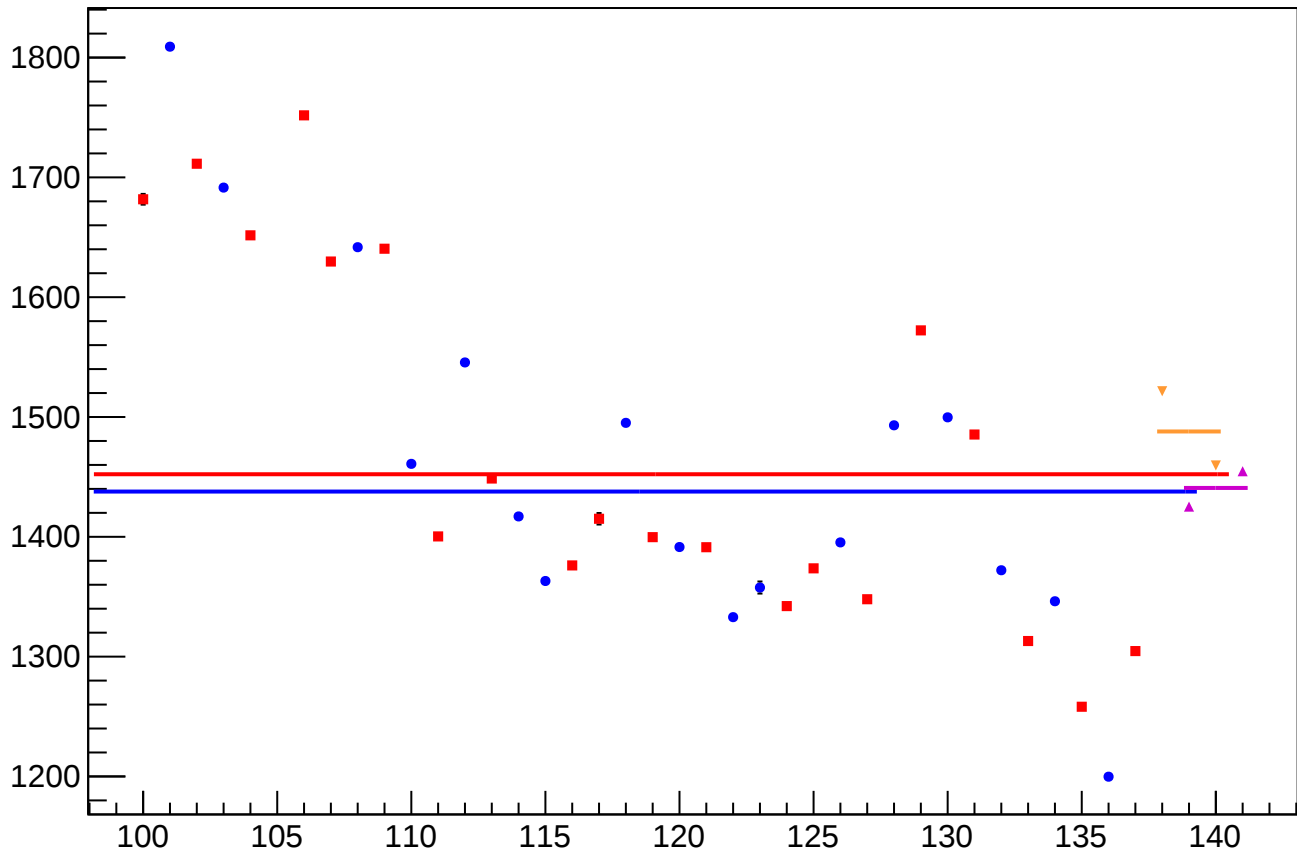
Right Out: 0.266 $\pm$ 0.545 χ^2 /NDF: 635.1/19

Left In: 20.174 $\pm$ 1.151 χ^2 /NDF: 12.3/1

8.842 $\pm$ 0.509 χ^2 /NDF: 724.3/18

3.915 $\pm$ 0.493 χ^2 /NDF: 891.8/21

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1487.926 $\pm$ 0.853 χ^2 /NDF:1307.6/1

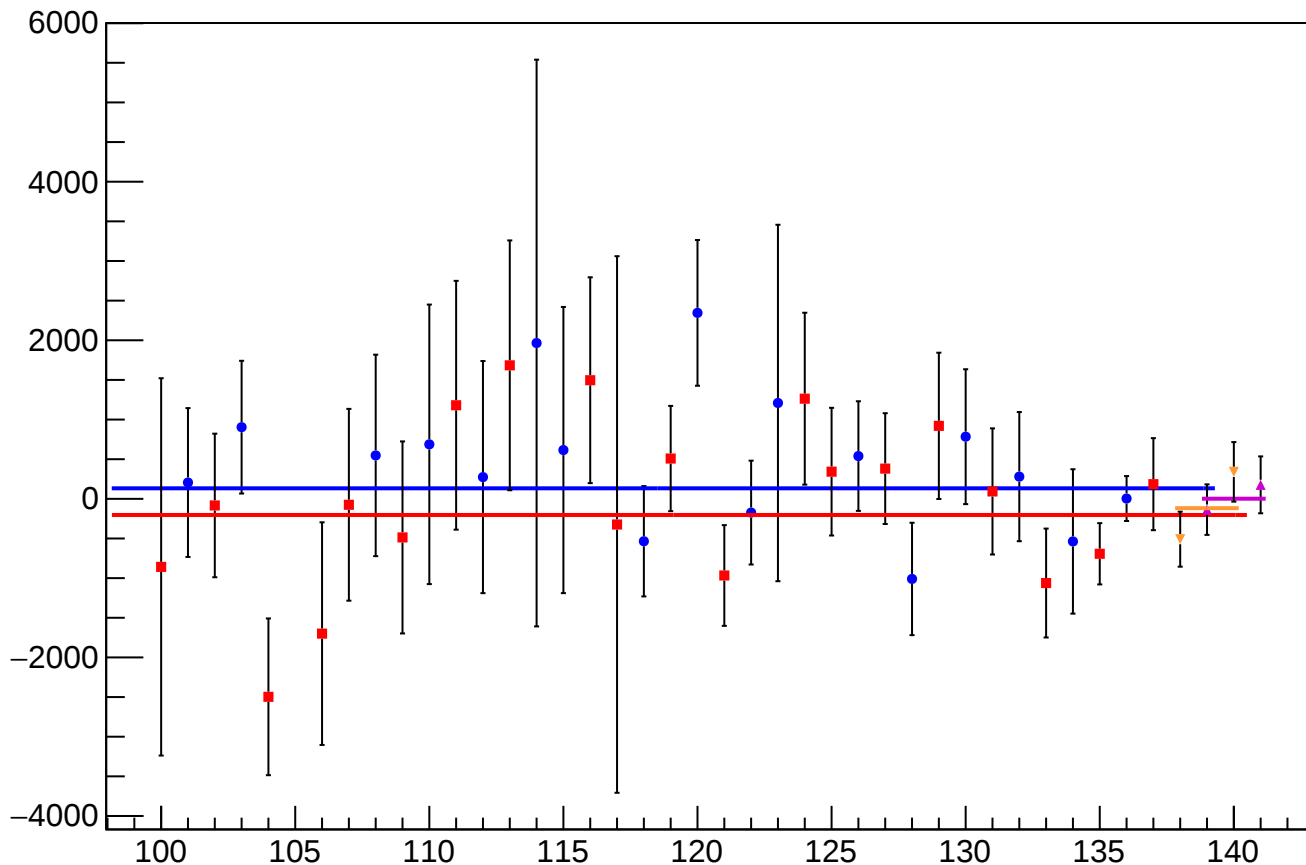
Right Out: 1452.227 $\pm$ 0.386 χ^2 /NDF: 138666.1/19

Left In: 1440.794 $\pm$ 0.814 χ^2 /NDF:328.0/1

1446.705 $\pm$ 0.360 χ^2 /NDF: 177362.8/18

1450.132 $\pm$ 0.348 χ^2 /NDF: 139155.3/21

asym_sam1_mean vs Slug



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -117.649 $\pm$ 254.815 χ^2 /NDF: 2.8/1

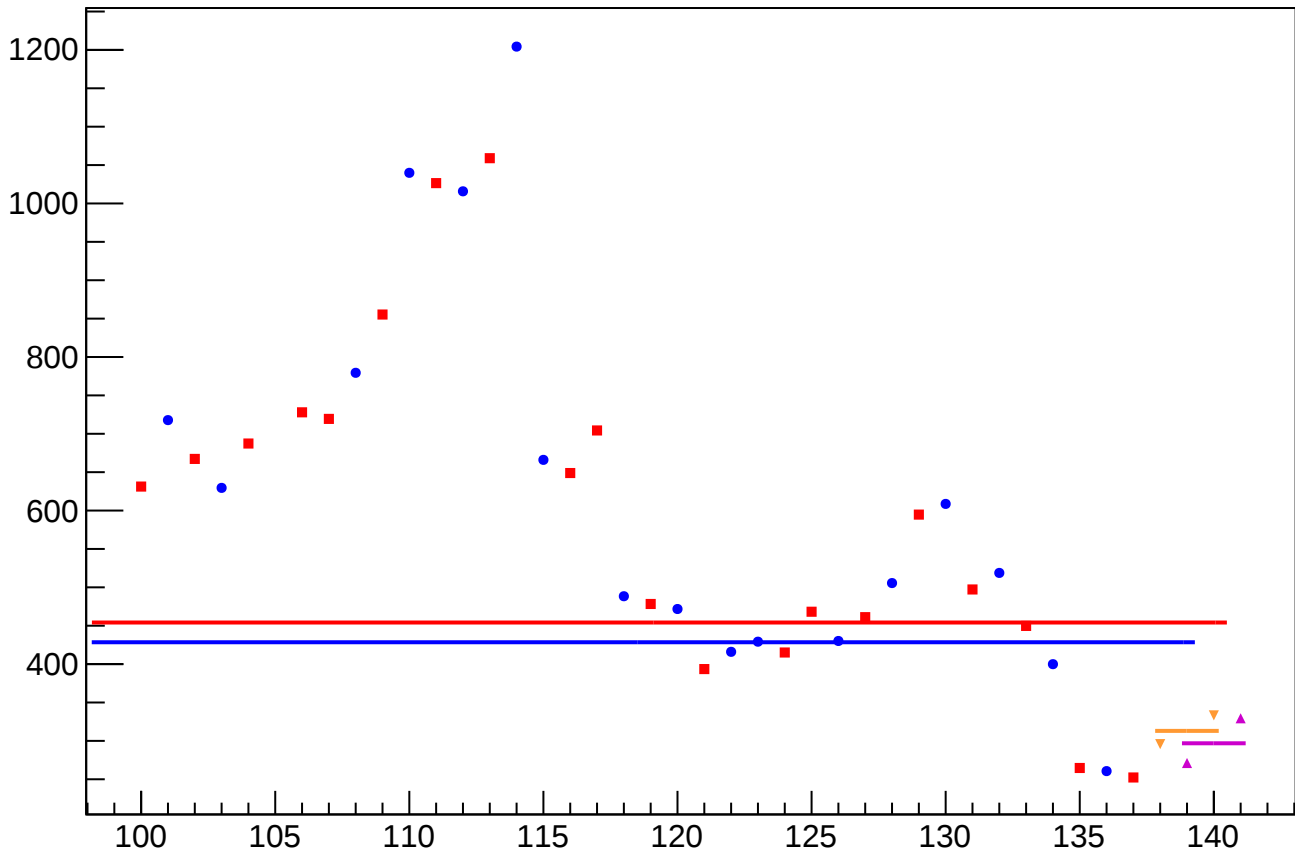
Right Out: -203.418 $\pm$ 184.080 χ^2 /NDF: 21.4/19

Left In: 1.856 $\pm$ 238.161 χ^2 /NDF: 0.4/1

49.343 $\pm$ 147.166 χ^2 /NDF: 16.3/18

-126.648 $\pm$ 145.646 χ^2 /NDF: 22.3/21

asym_sam1_rms vs Slug



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 313.022 $\pm$ 0.180 χ^2 /NDF:10738.7/1

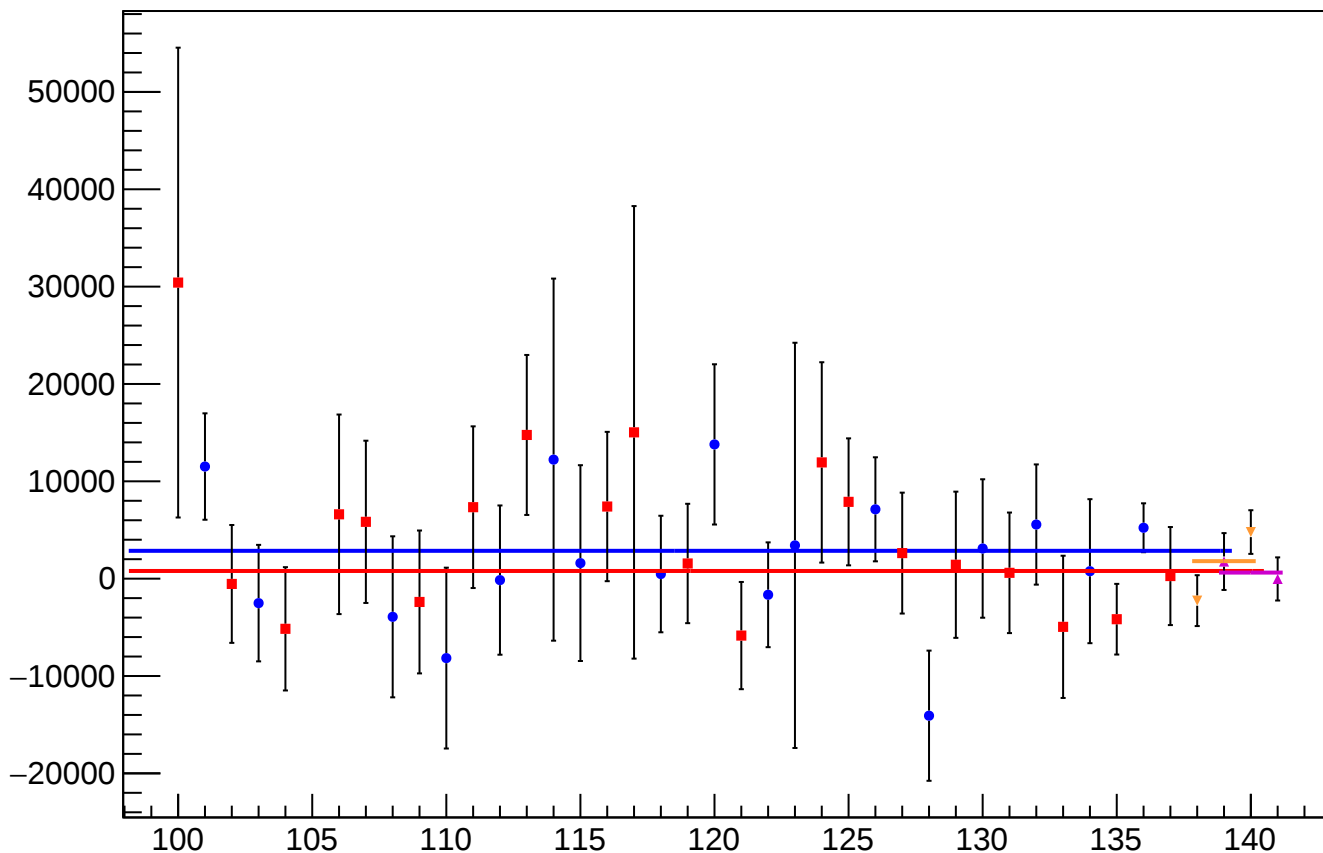
389.955 $\pm$ 0.104 χ^2 /NDF: 2295746.7/18

Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

395.346 $\pm$ 0.103 χ^2 /NDF: 2616518.6/21

Left In: 296.868 $\pm$ 0.168 χ^2 /NDF:29504.8/1

asym_sam2_mean vs Slug



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 1799.440+/-1701.505 χ^2/NDF : 4.2/1

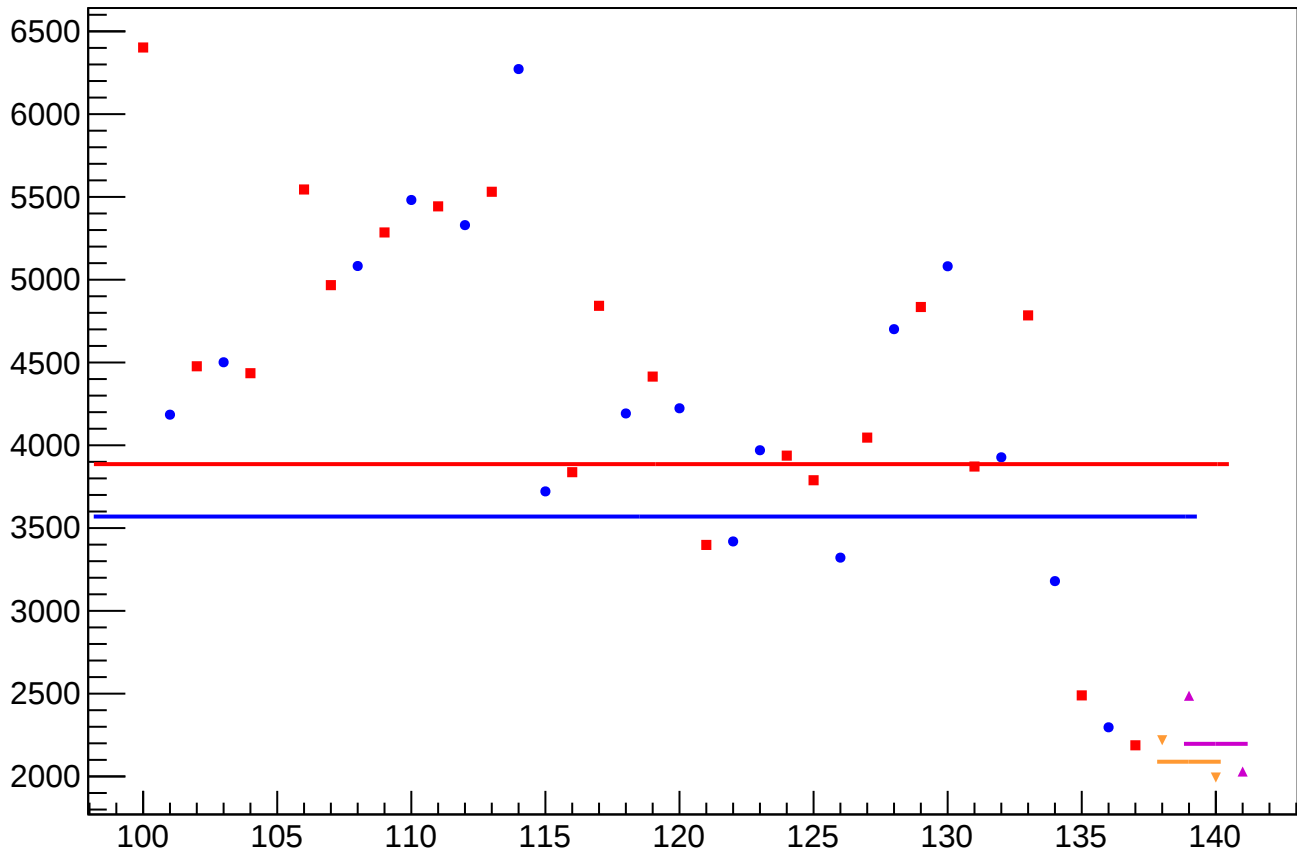
Right Out: 789.608+/-1506.053 χ^2/NDF : 14.4/19

Left In: 624.331+/-1765.075 χ^2/NDF : 0.2/1

2414.358+/-1102.686 χ^2/NDF : 21.1/18

719.975+/-1145.681 χ^2/NDF : 14.6/21

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2088.900+/-1.203 χ^2/NDF : 8557.7/1

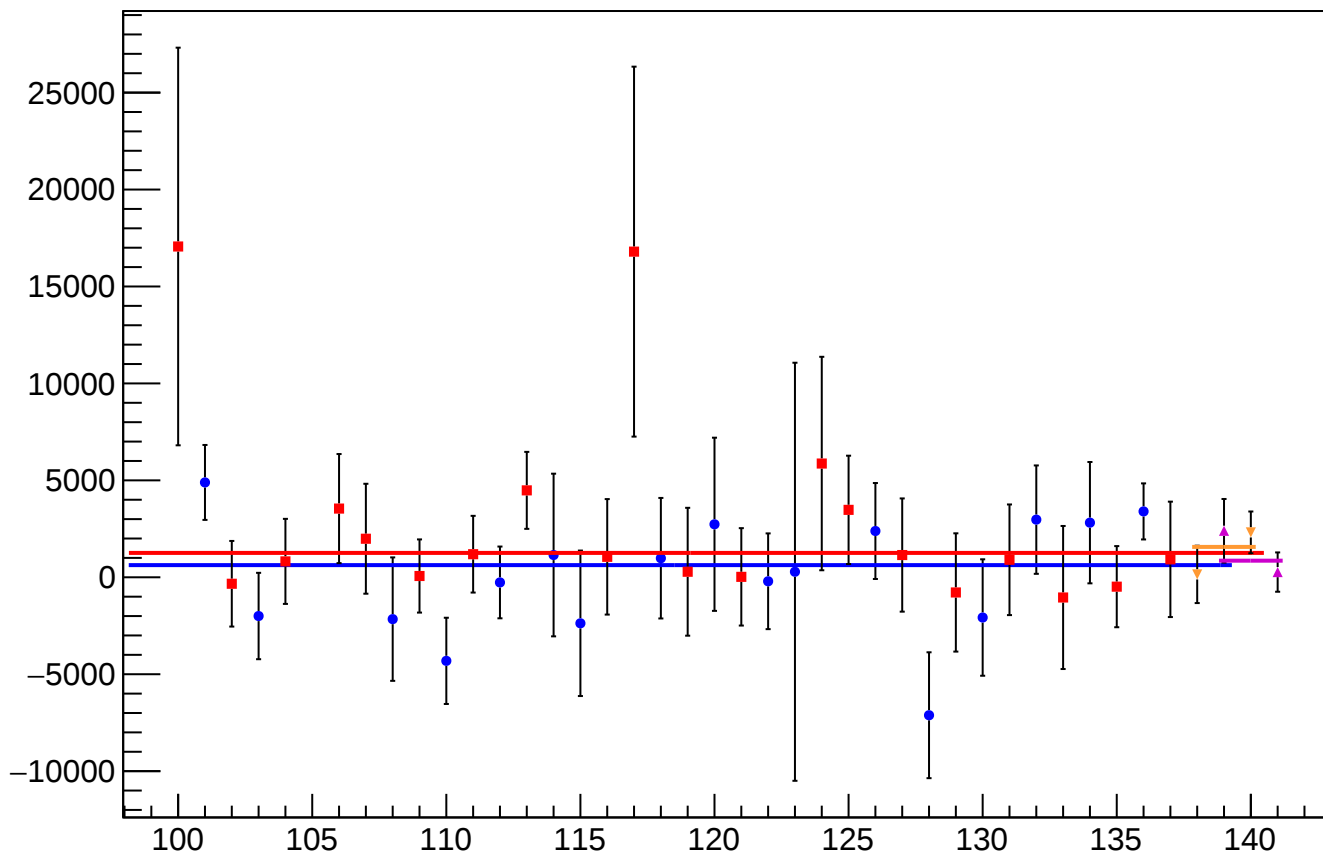
2947.741+/-0.780 χ^2/NDF : 1975015.7/18

Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

3174.478+/-0.810 χ^2/NDF : 2077811.5/21

Left In: 2196.889+/-1.248 χ^2/NDF : 31171.9/1

asym_sam3_mean vs Slug



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 1566.955+/-870.591 χ^2/NDF : 1.4/1

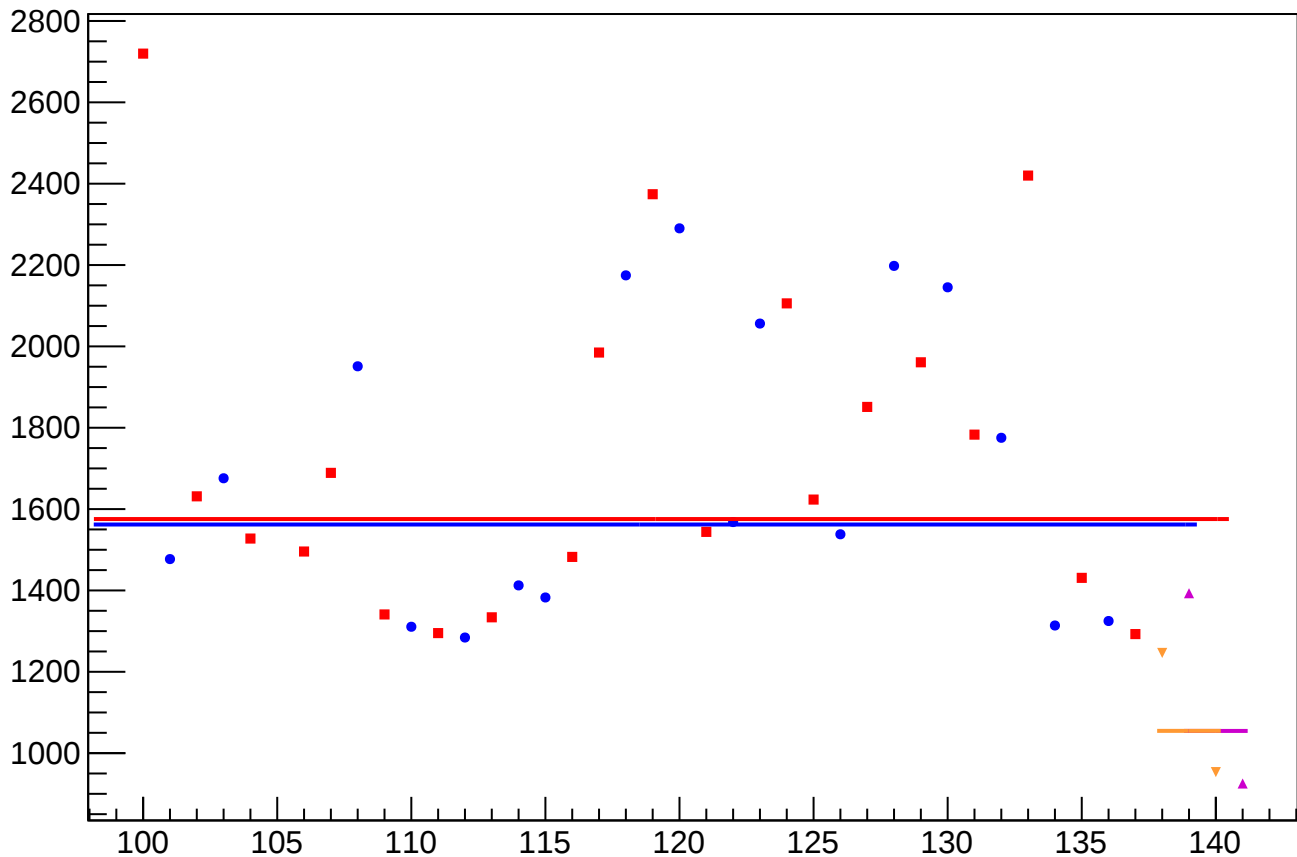
Right Out: 1257.467+/-601.857 χ^2/NDF : 12.6/19

Left In: 856.978+/-862.429 χ^2/NDF : 1.2/1

944.363+/-505.524 χ^2/NDF : 27.2/18

1126.303+/-493.555 χ^2/NDF : 13.9/21

asym_sam3_rms vs Slug



Right In: 1562.101+/-0.439 χ^2 /NDF: 482088.3/16

Left Out: 1054.796+/-0.616 χ^2 /NDF: 51267.9/1

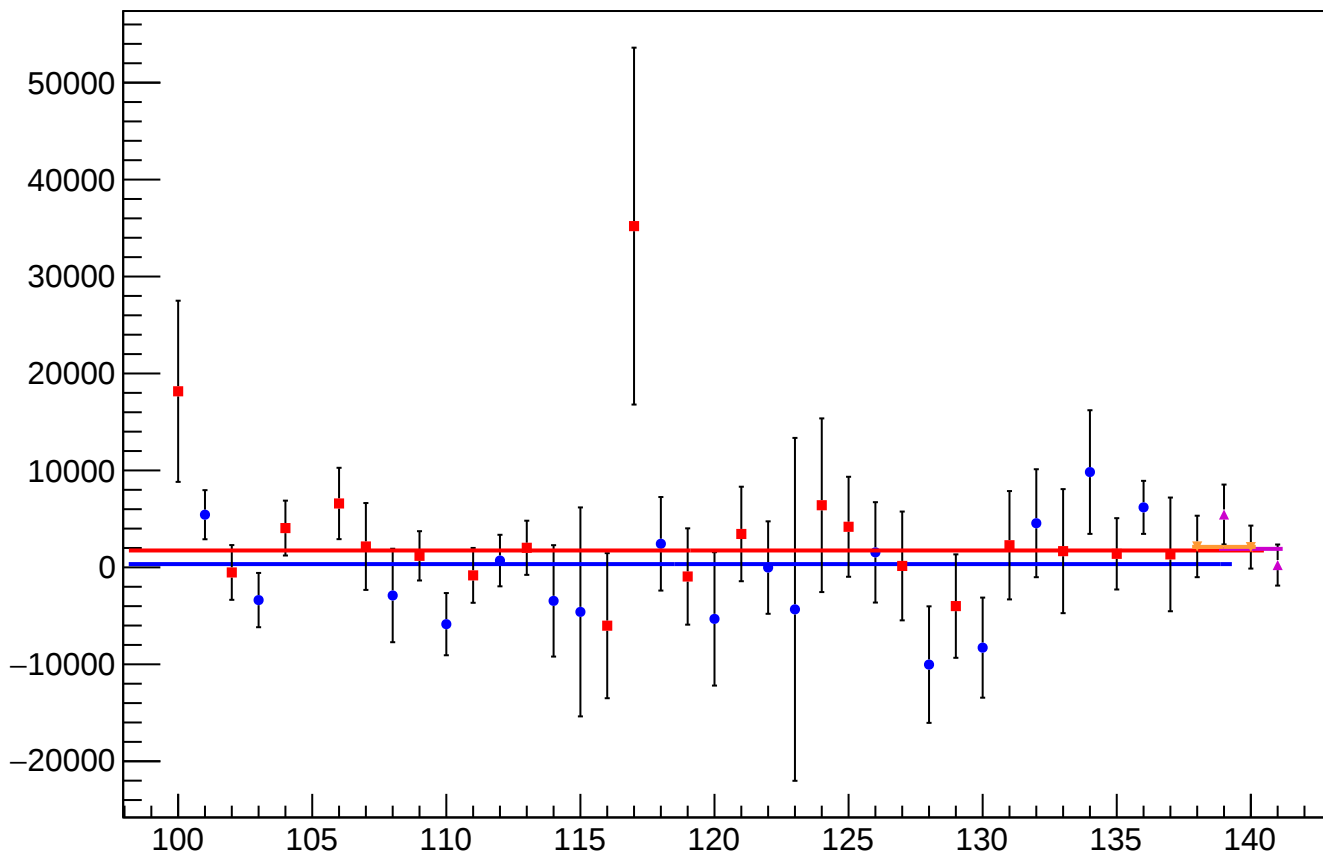
Right Out: 1575.541+/-0.426 χ^2 /NDF: 467687.2/19

Left In: 1054.630+/-0.610 χ^2 /NDF: 117665.8/1

1391.051+/-0.357 χ^2 /NDF: 983487.1/18

1404.937+/-0.349 χ^2 /NDF: 1076031.9/21

asym_sam4_mean vs Slug



Right In: 338.117+/-995.842 χ^2/NDF : 24.8/16

Left Out: 2113.564+/-1816.534 χ^2/NDF : 0.0/1

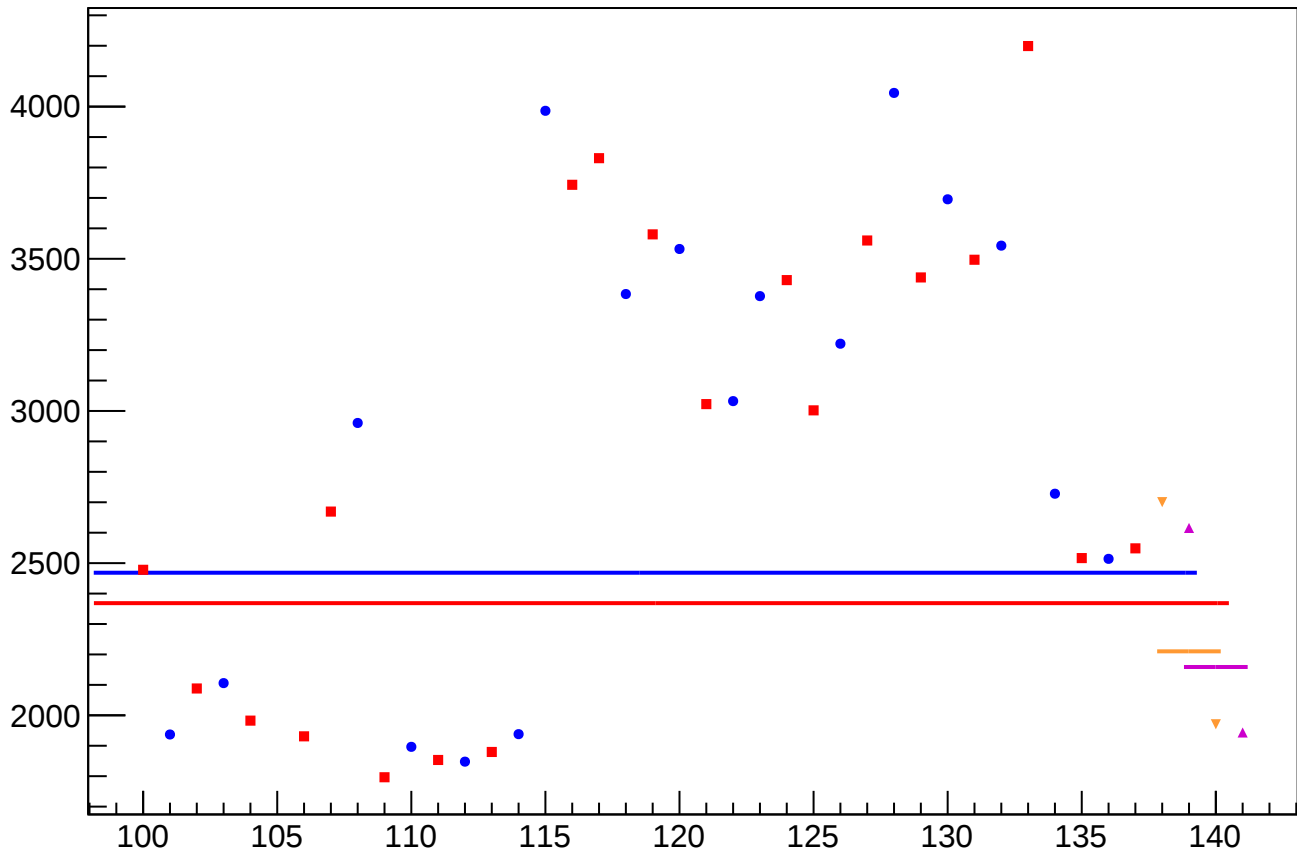
Right Out: 1742.470+/-923.289 χ^2/NDF : 13.6/19

Left In: 1908.712+/-1747.235 χ^2/NDF : 1.9/1

748.397+/-873.232 χ^2/NDF : 25.5/18

1778.758+/-816.323 χ^2/NDF : 15.5/21

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2210.185+/-1.284 χ^2/NDF : 71199.1/1

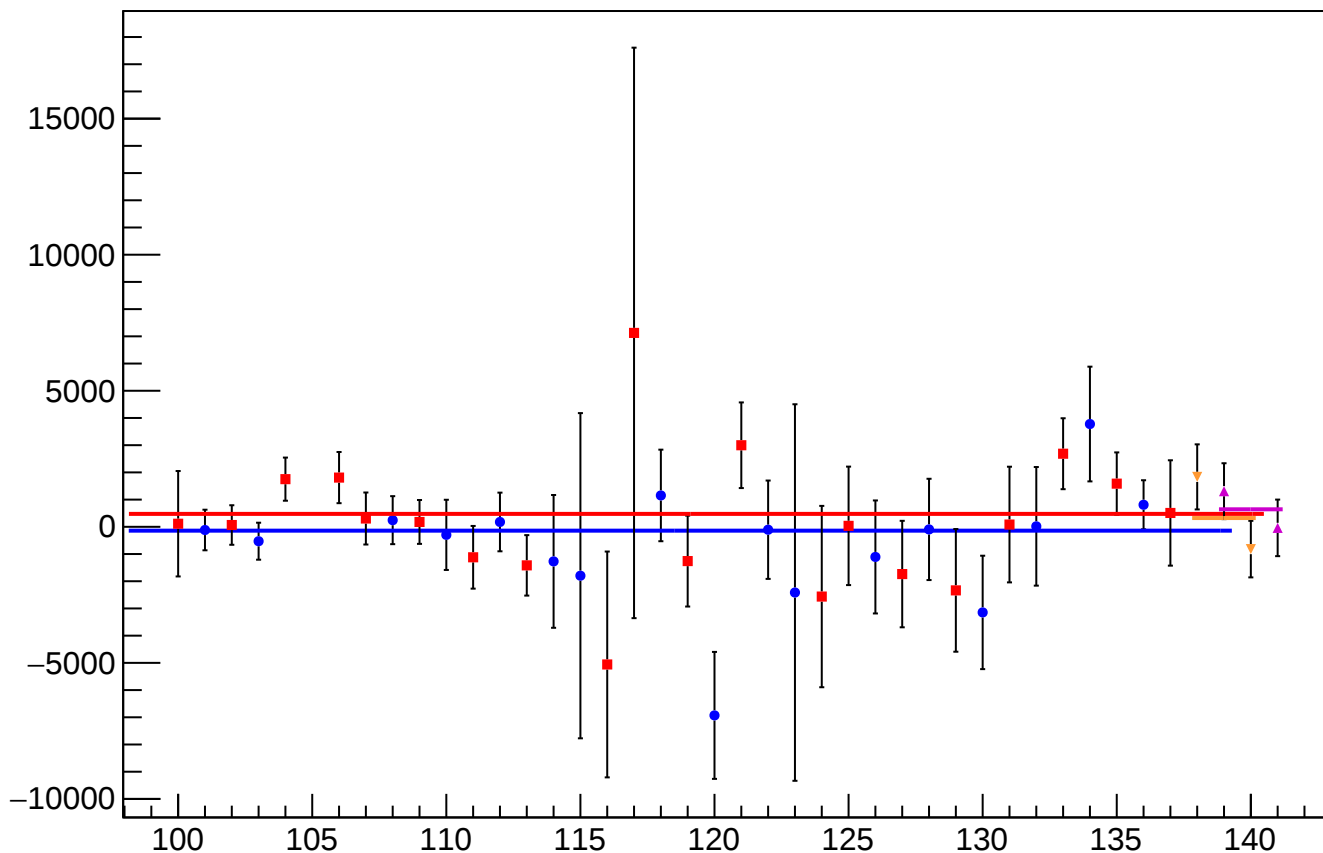
2408.799+/-0.617 χ^2/NDF : 998447.2/18

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

2322.733+/-0.577 χ^2/NDF : 1124760.3/21

Left In: 2158.755+/-1.235 χ^2/NDF : 64413.9/1

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 322.385+/-784.495 χ^2/NDF : 2.8/1

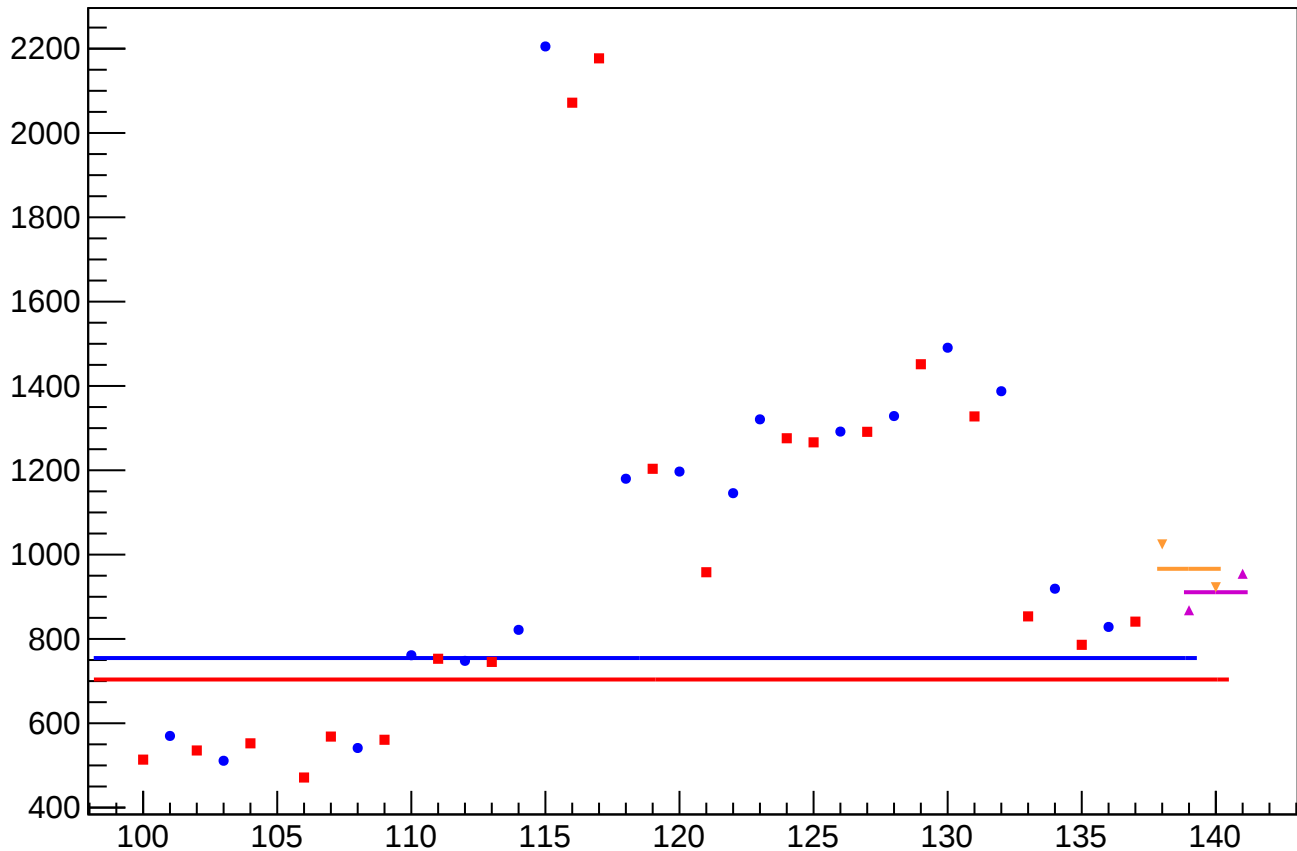
Right Out: 474.987+/-282.789 χ^2/NDF : 23.3/19

Left In: 643.502+/-730.447 χ^2/NDF : 0.9/1

-77.437+/-290.970 χ^2/NDF : 20.1/18

496.952+/-263.716 χ^2/NDF : 24.2/21

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 966.335+/-0.555 χ^2/NDF : 8223.5/1

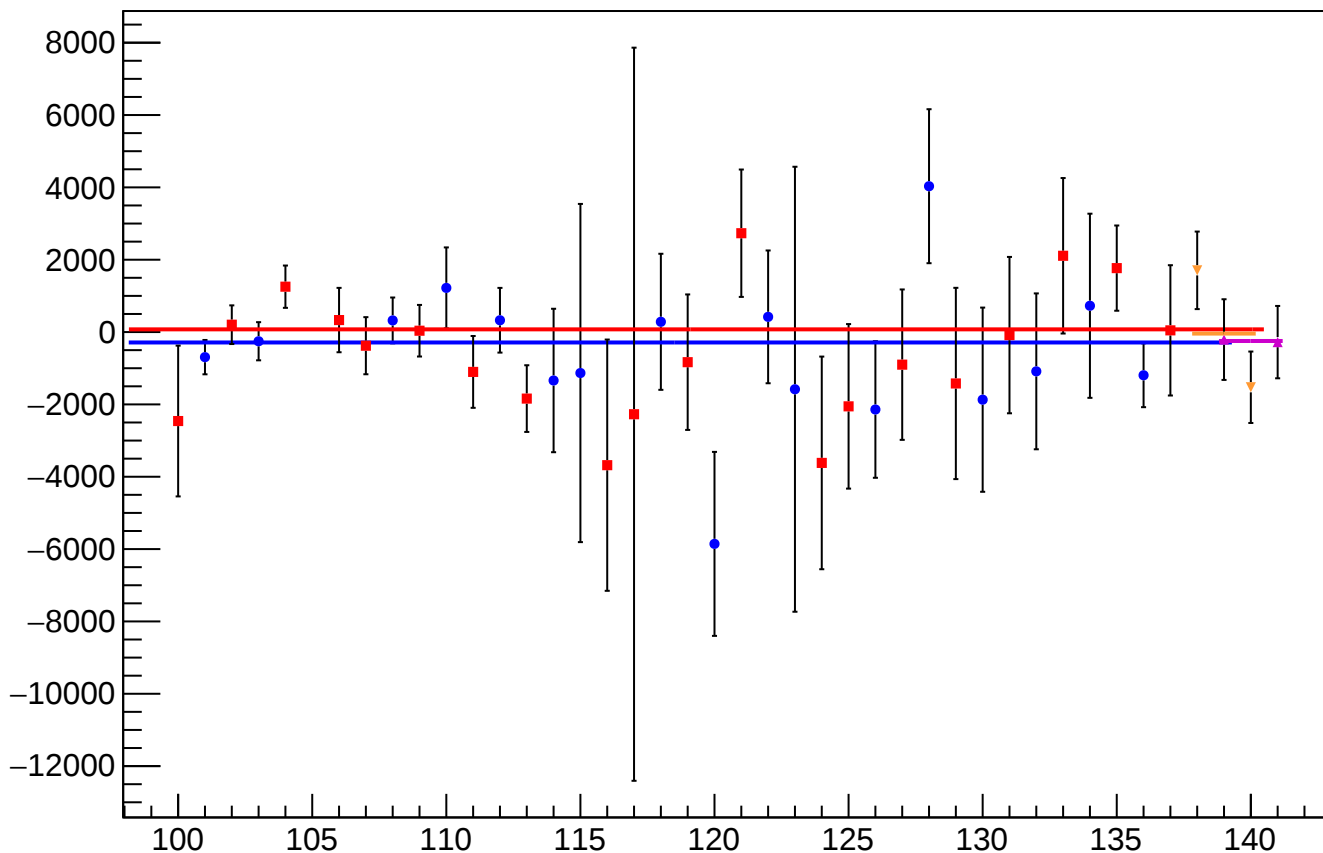
Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

Left In: 910.807+/-0.517 χ^2/NDF : 7012.5/1

783.800+/-0.206 χ^2/NDF : 1824394.9/18

730.777+/-0.186 χ^2/NDF : 1877846.1/21

asym_sam6_mean vs Slug



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -42.158+/-726.198 χ^2/NDF : 4.9/1

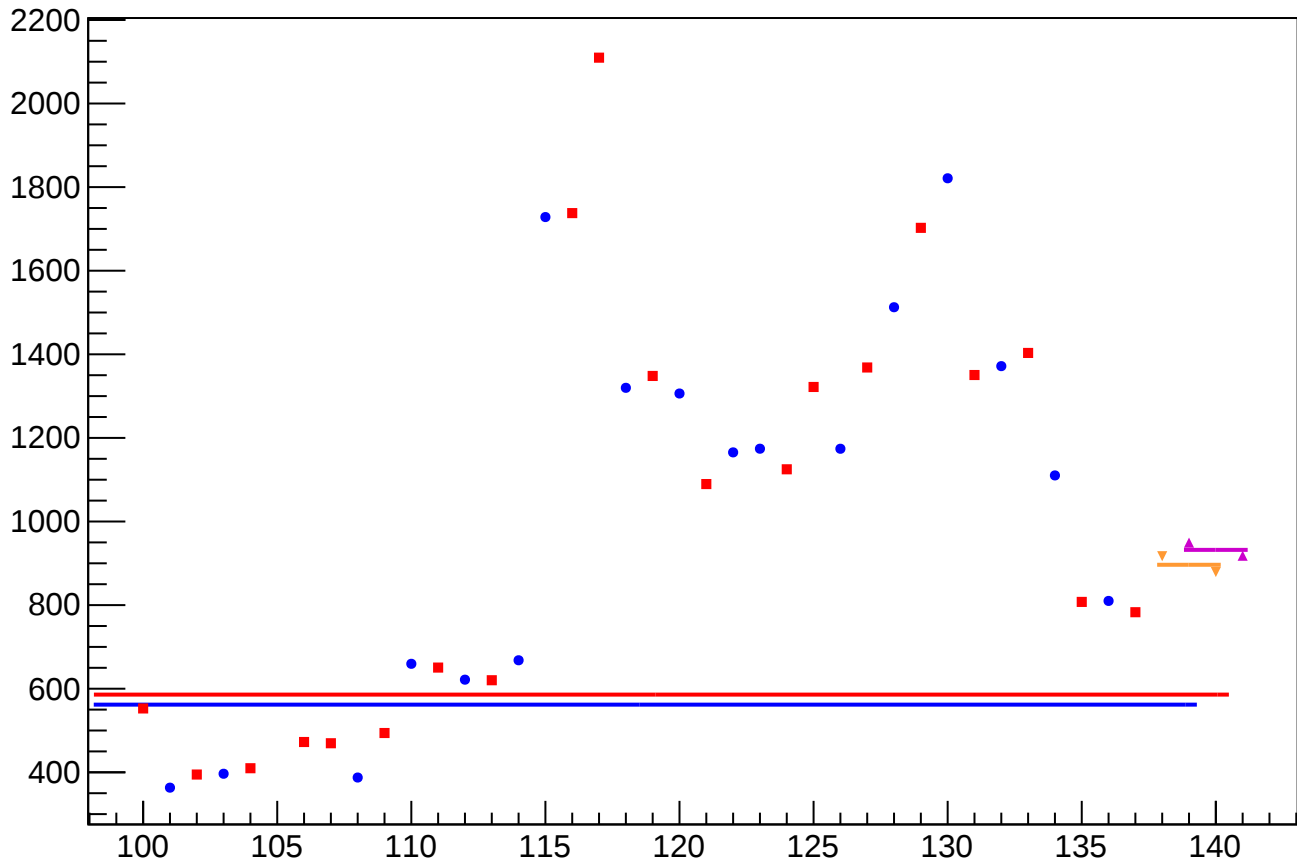
Right Out: 74.735+/-246.011 χ^2/NDF : 21.4/19

Left In: -246.921+/-744.559 χ^2/NDF : 0.0/1

-261.904+/-236.753 χ^2/NDF : 21.2/18

43.076+/-233.590 χ^2/NDF : 21.6/21

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 896.487+/-0.513 χ^2/NDF :1347.7/1

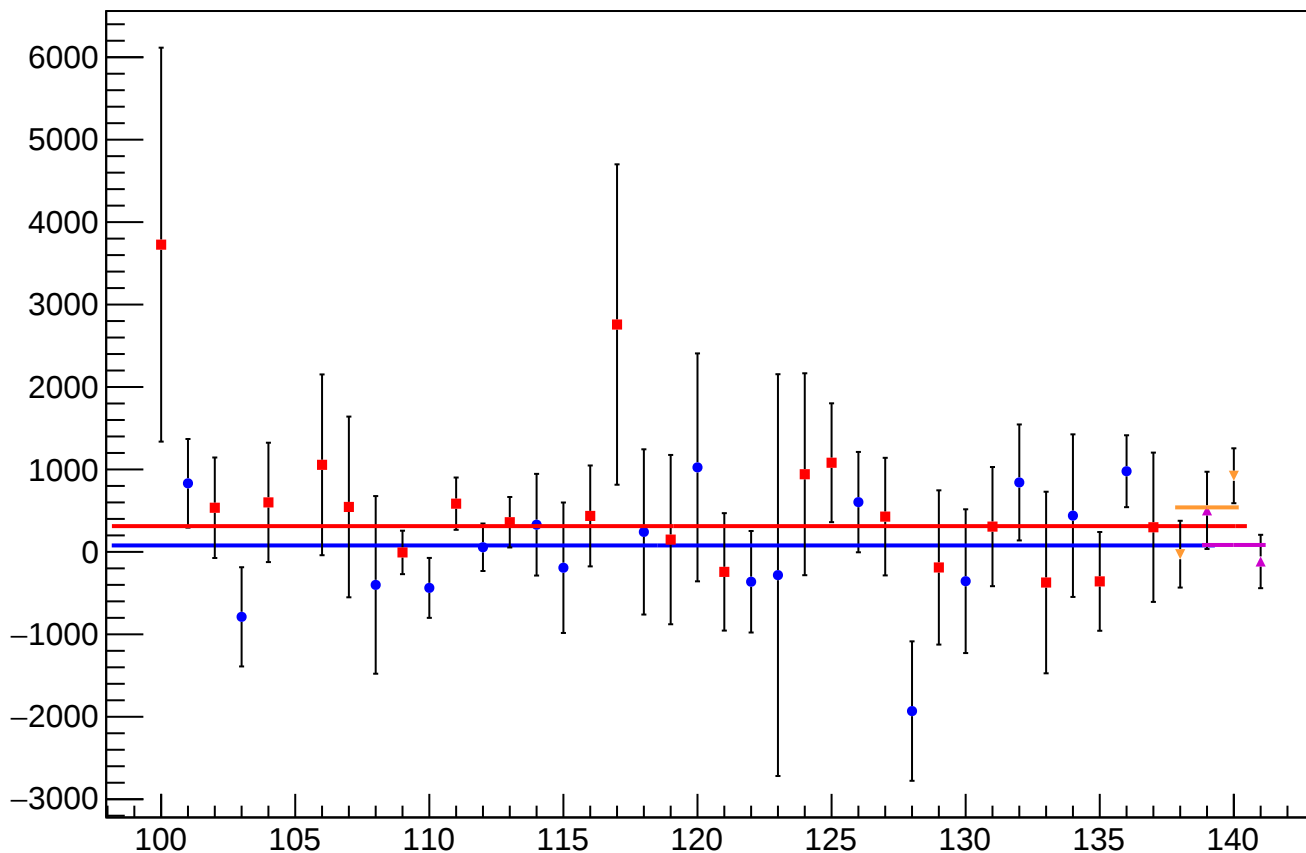
597.457+/-0.167 χ^2/NDF : 3597448.3/18

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

619.971+/-0.165 χ^2/NDF : 3260524.5/21

Left In: 932.142+/-0.526 χ^2/NDF :877.5/1

asym_sam7_mean vs Slug



Right In: 78.184+/-142.869 χ^2/NDF : 19.8/16

Left Out: 539.763+/-257.227 χ^2/NDF : 3.3/1

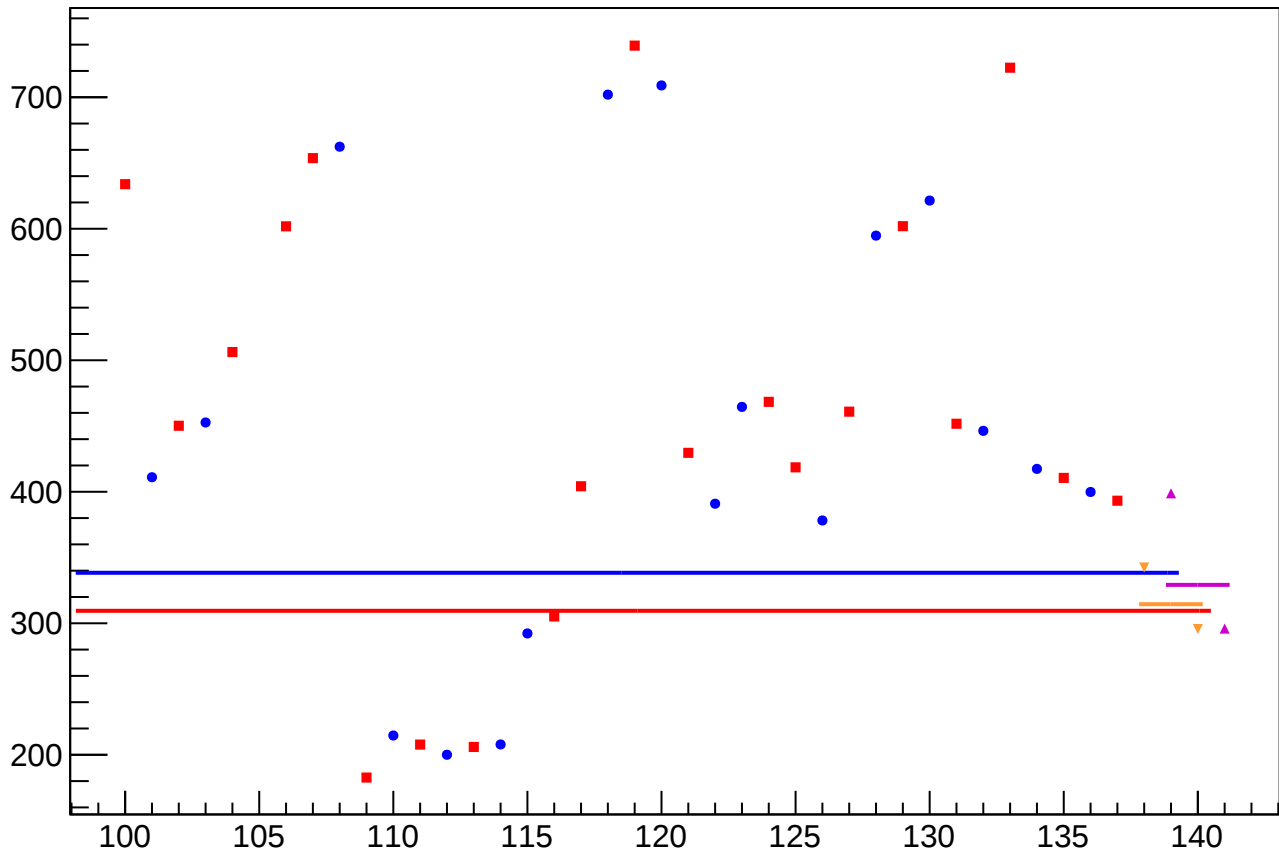
Right Out: 312.536+/-129.362 χ^2/NDF : 10.7/19

Left In: 84.007+/-266.271 χ^2/NDF : 1.2/1

187.007+/-124.897 χ^2/NDF : 25.5/18

268.897+/-116.357 χ^2/NDF : 12.5/21

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 314.507 $\pm$ 0.182 χ^2 /NDF:15911.9/1

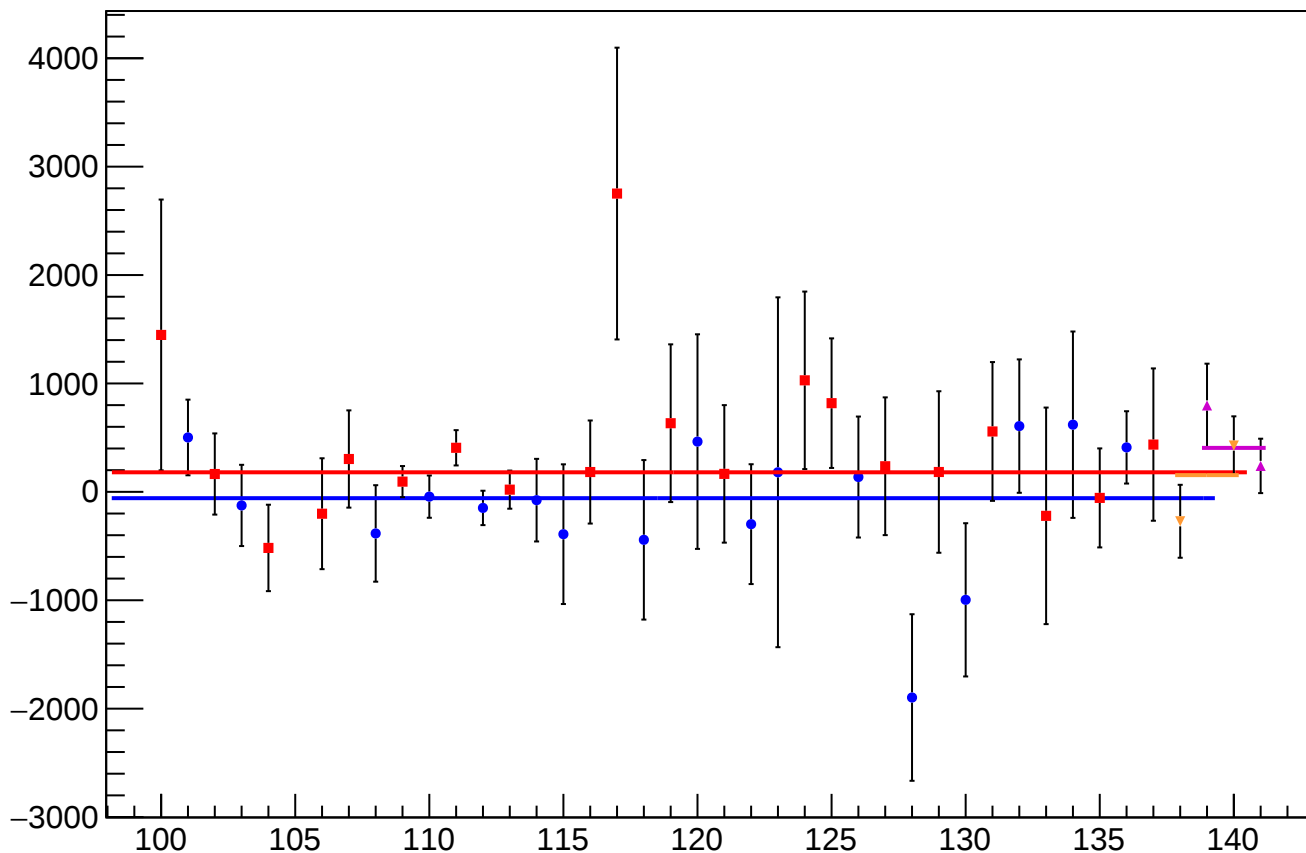
Right Out: 309.503 $\pm$ 0.091 χ^2 /NDF: 2738236.3/19

Left In: 329.214 $\pm$ 0.188 χ^2 /NDF:65318.8/1

332.773 $\pm$ 0.088 χ^2 /NDF: 2038395.1/18

313.267 $\pm$ 0.082 χ^2 /NDF: 2812422.1/21

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 154.350 ± 210.267 χ^2/NDF : 2.6/1

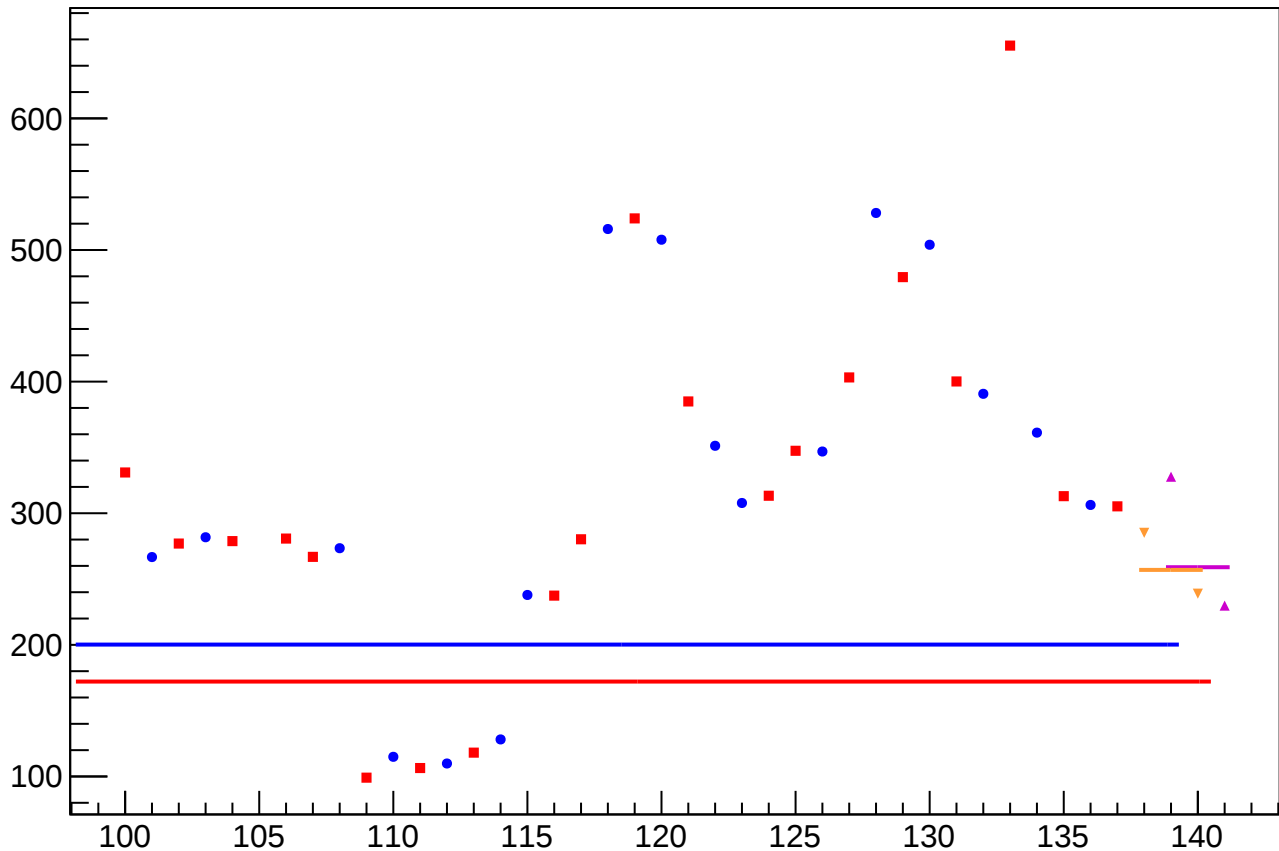
Right Out: 180.354 ± 76.795 χ^2/NDF : 15.0/19

Left In: 405.512 ± 210.290 χ^2/NDF : 1.5/1

-25.073 ± 83.115 χ^2/NDF : 19.4/18

206.848 ± 72.135 χ^2/NDF : 17.5/21

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 256.950+/-0.149 χ^2/NDF : 23022.6/1

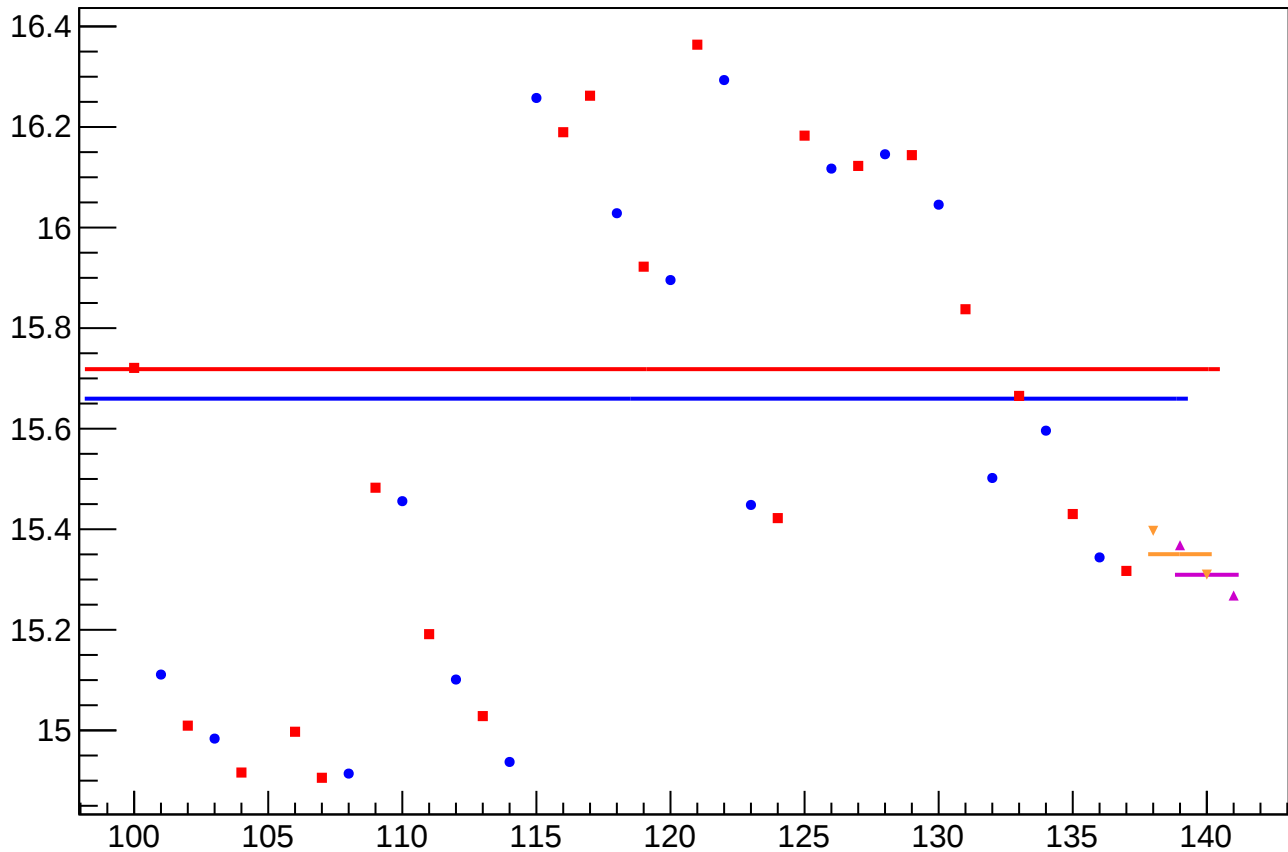
Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

Left In: 258.992+/-0.149 χ^2/NDF : 90727.2/1

209.075+/-0.059 χ^2/NDF : 3533106.1/18

182.333+/-0.051 χ^2/NDF : 4498817.0/21

yield_sam1_mean vs Slug



Right In: 15.660 ± 0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.350 ± 0.000 χ^2/NDF : 27332380.5/1

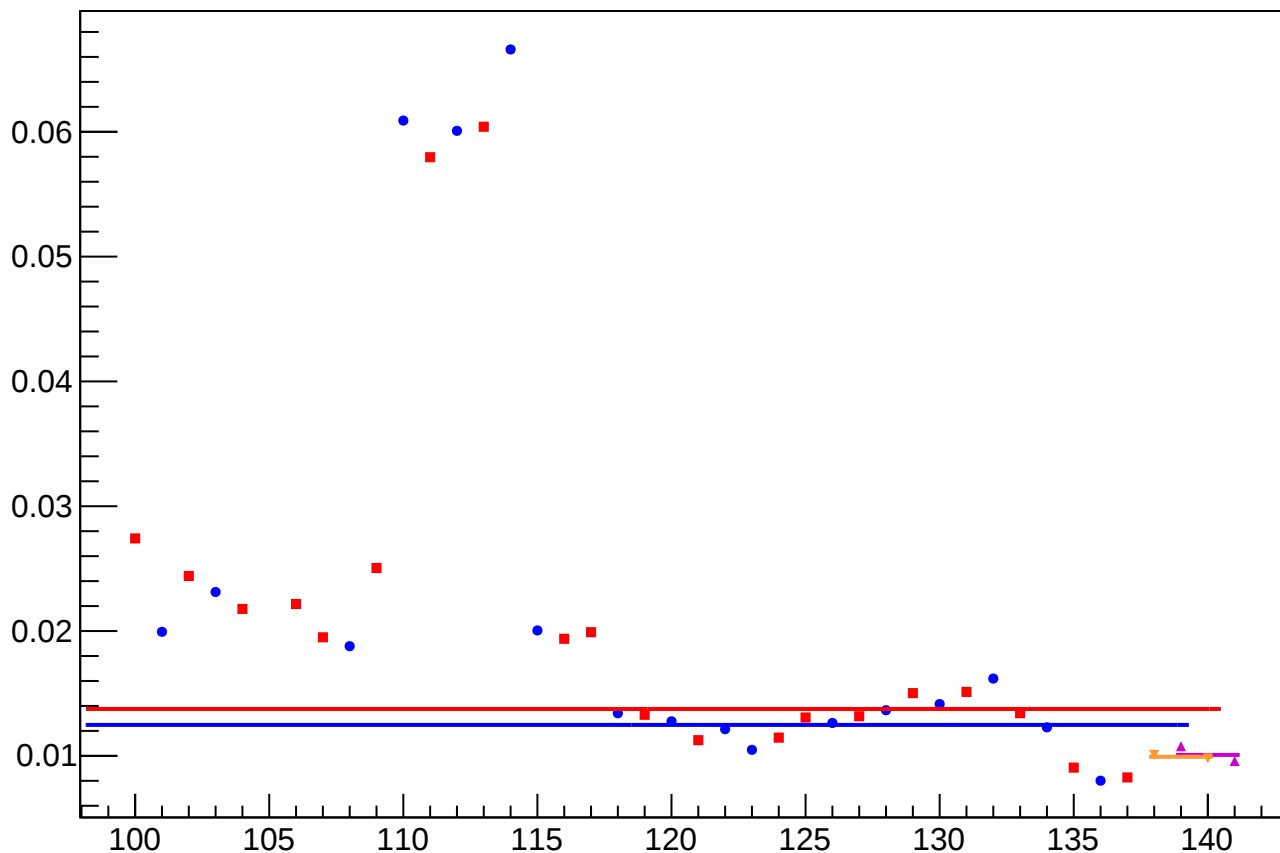
Right Out: 15.718 ± 0.000 χ^2/NDF : 5490626945.9/19

Left In: 15.309 ± 0.000 χ^2/NDF : 35749005.9/1

15.566 ± 0.000 χ^2/NDF : 6773864870.9/18

15.581 ± 0.000 χ^2/NDF : 7159474225.9/21

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:589.7/1

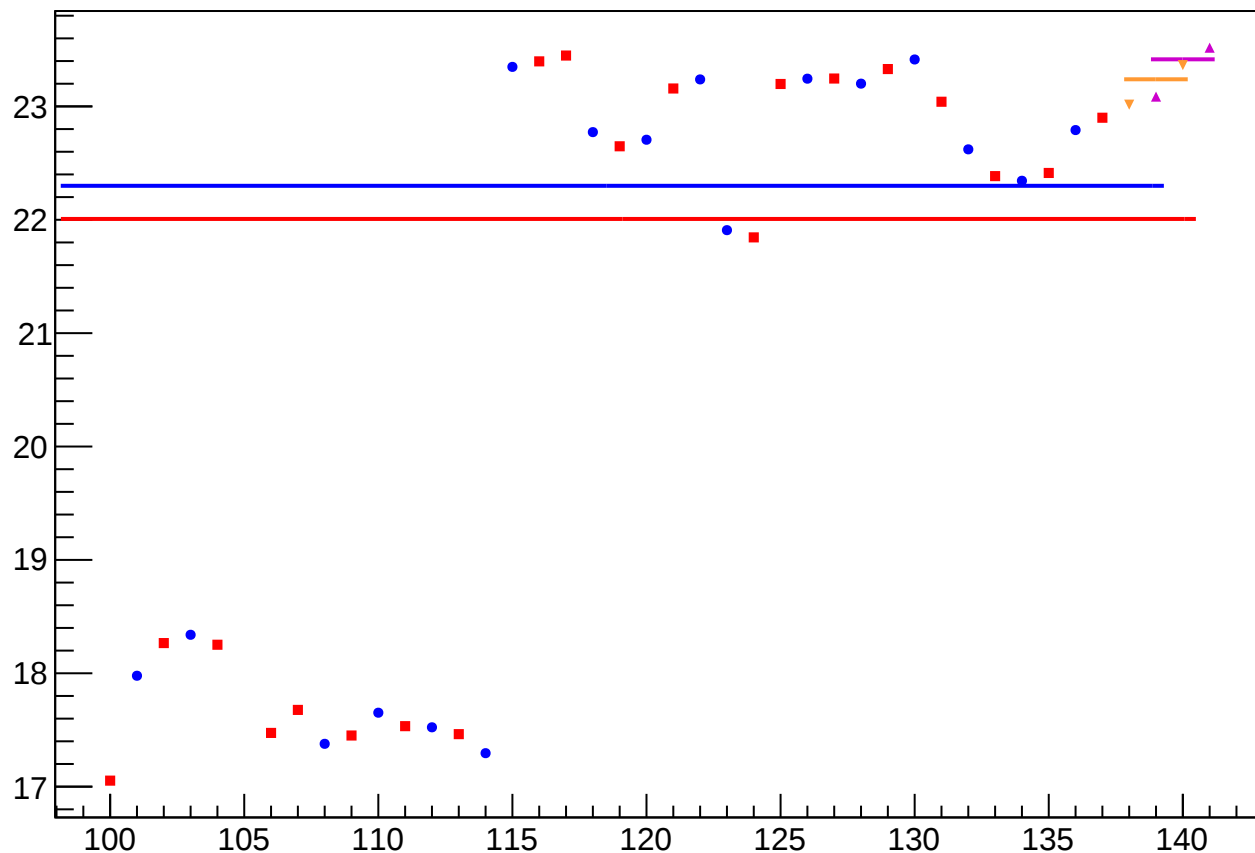
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:10102.9/1

0.012 $\pm$ 0.000 χ^2 /NDF: 2285237.9/18

0.013 $\pm$ 0.000 χ^2 /NDF: 2359718.7/21

yield_sam2_mean vs Slug



Right In: 22.300 ± 0.000 χ^2/NDF : 938398636.8/16

Left Out: 23.239 ± 0.000 χ^2/NDF : 2509060.7/1

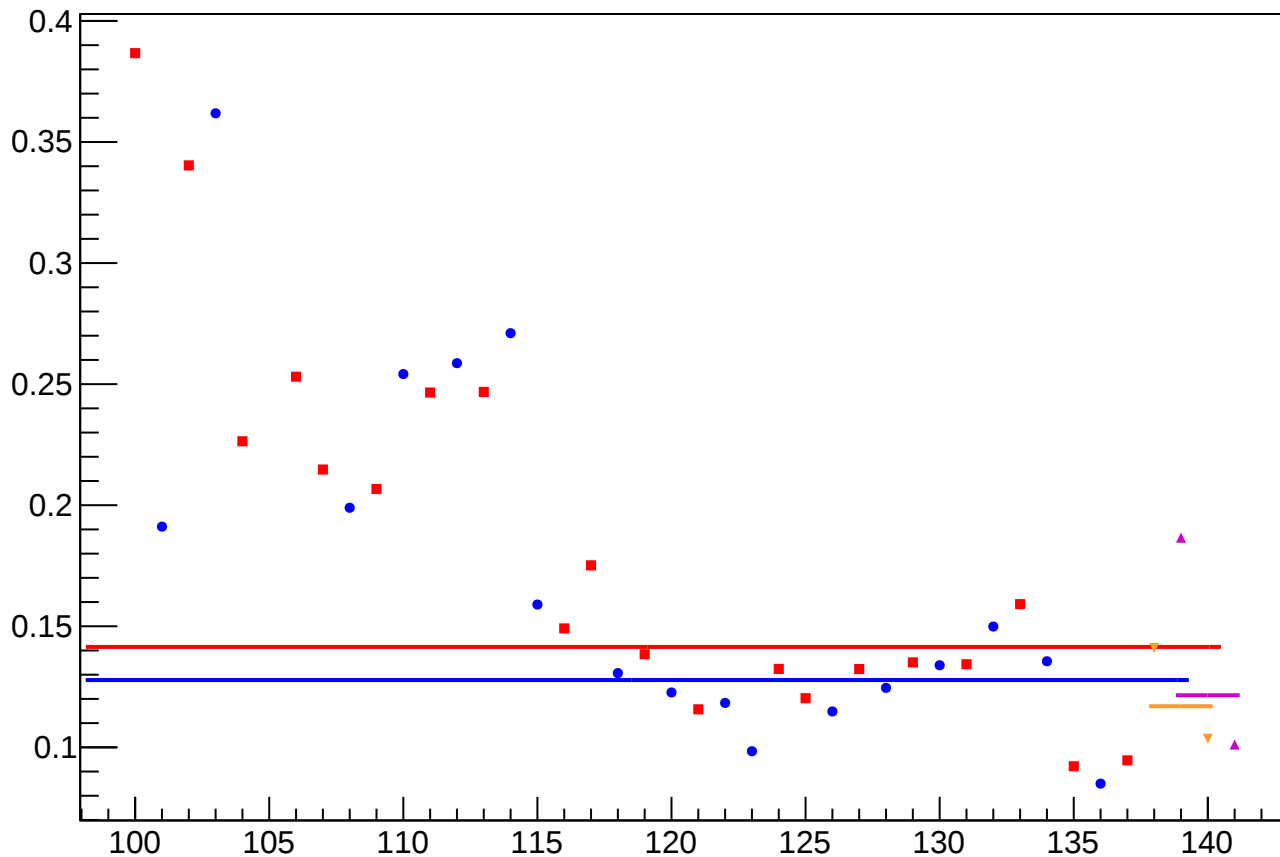
Right Out: 22.007 ± 0.000 χ^2/NDF : 1068683102.9/19

Left In: 23.415 ± 0.000 χ^2/NDF : 2936316.4/1

22.511 ± 0.000 χ^2/NDF : 1002298188.4/18

22.344 ± 0.000 χ^2/NDF : 1202795782.4/21

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.117+/-0.000 χ^2/NDF : 58139.6/1

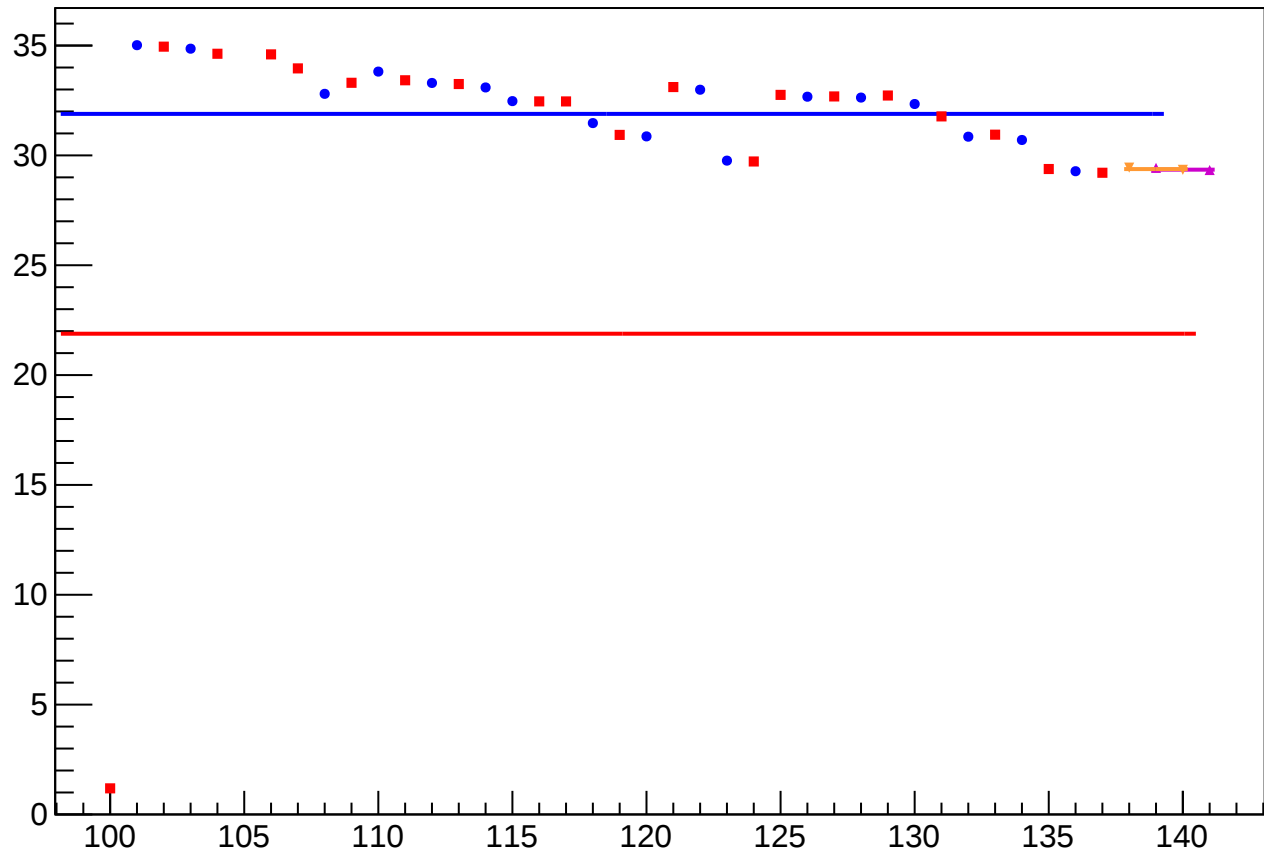
Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

Left In: 0.121+/-0.000 χ^2/NDF : 230346.6/1

0.125+/-0.000 χ^2/NDF : 1566513.6/18

0.137+/-0.000 χ^2/NDF : 1735330.8/21

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 29.377+/-0.000 χ^2/NDF :330020.7/1

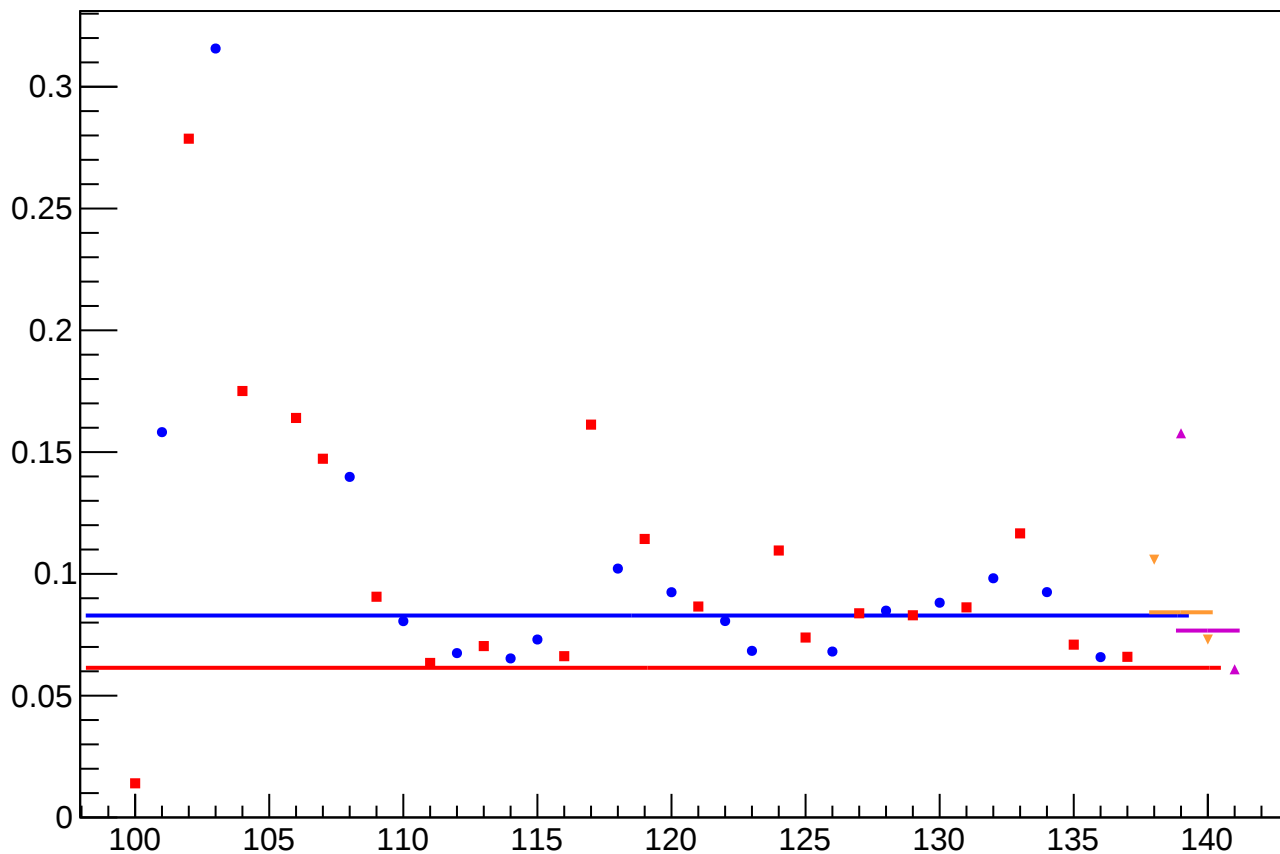
31.460+/-0.000 χ^2/NDF : 2699792580.4/18

Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

22.939+/-0.000 χ^2/NDF : 238656866202.1/21

Left In: 29.350+/-0.000 χ^2/NDF :232376.5/1

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.084+/-0.000 χ^2/NDF : 71086.8/1

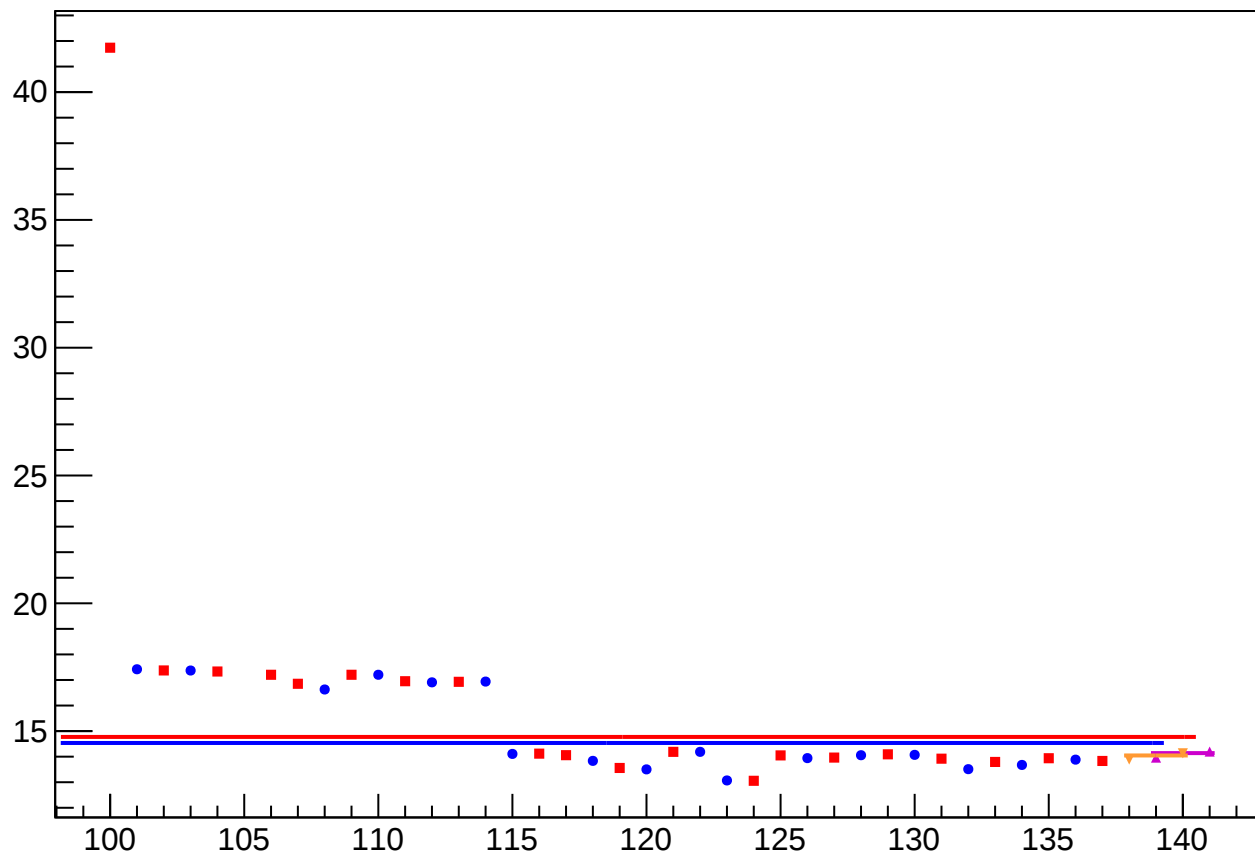
Right Out: 0.061+/-0.000 χ^2/NDF : 3635656.2/19

Left In: 0.077+/-0.000 χ^2/NDF : 452252.0/1

0.083+/-0.000 χ^2/NDF : 1235967.6/18

0.064+/-0.000 χ^2/NDF : 4158366.0/21

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.047+/-0.000 χ^2/NDF : 2260150.2/1

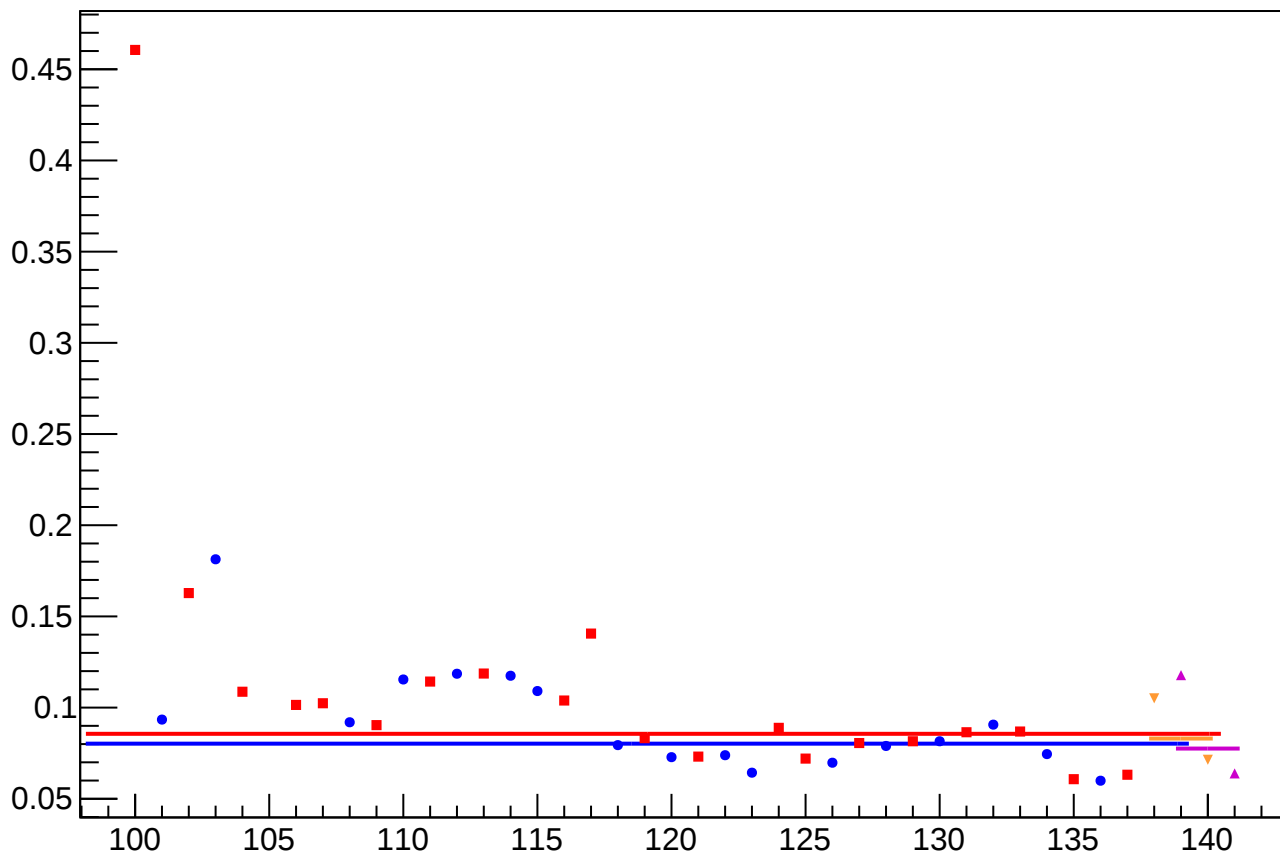
Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

Left In: 14.139+/-0.000 χ^2/NDF : 2122341.4/1

14.455+/-0.000 χ^2/NDF : 1506341466.0/18

14.645+/-0.000 χ^2/NDF : 1954409909.9/21

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.083+/-0.000 χ^2/NDF : 86334.1/1

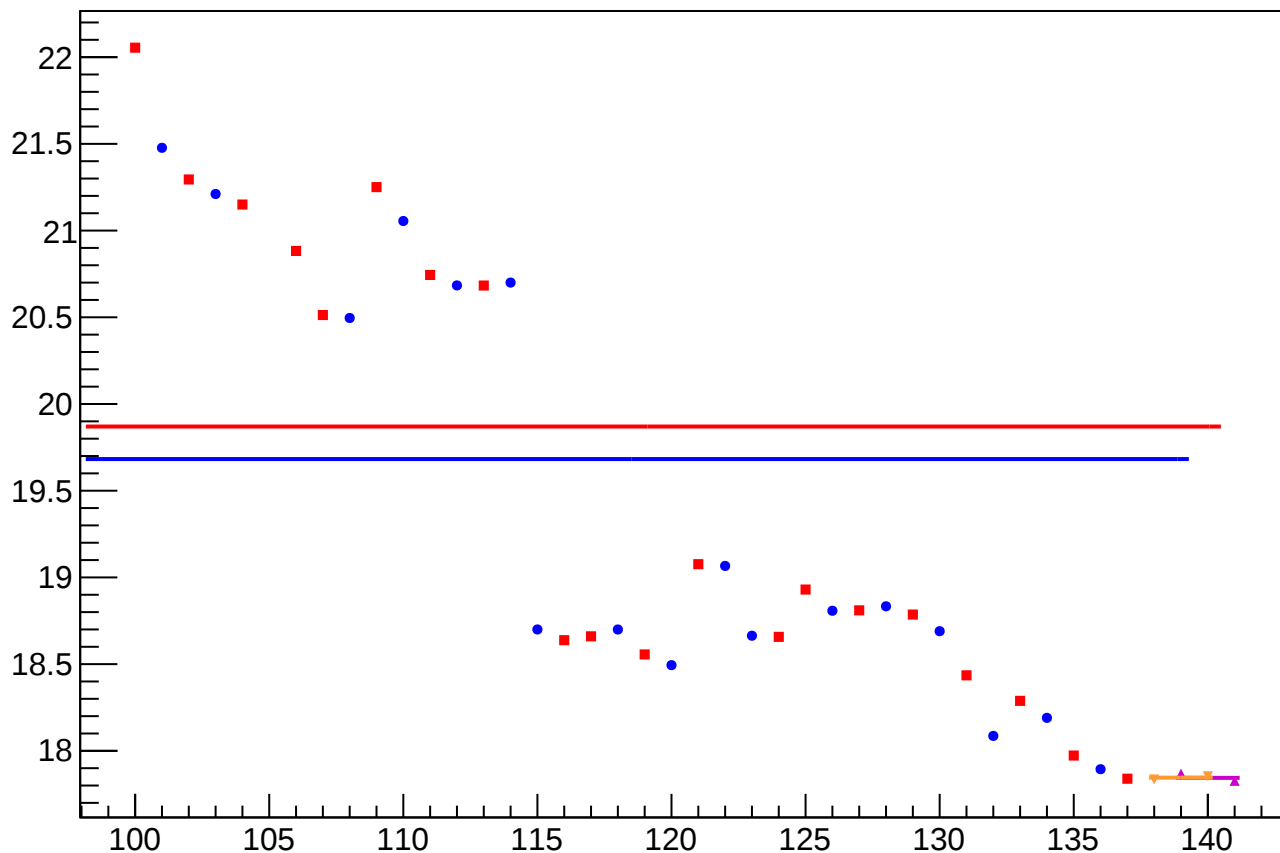
Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

Left In: 0.078+/-0.000 χ^2/NDF : 220824.9/1

0.081+/-0.000 χ^2/NDF : 867280.2/18

0.084+/-0.000 χ^2/NDF : 992167.5/21

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.845+/-0.000 χ^2/NDF : 95406.2/1

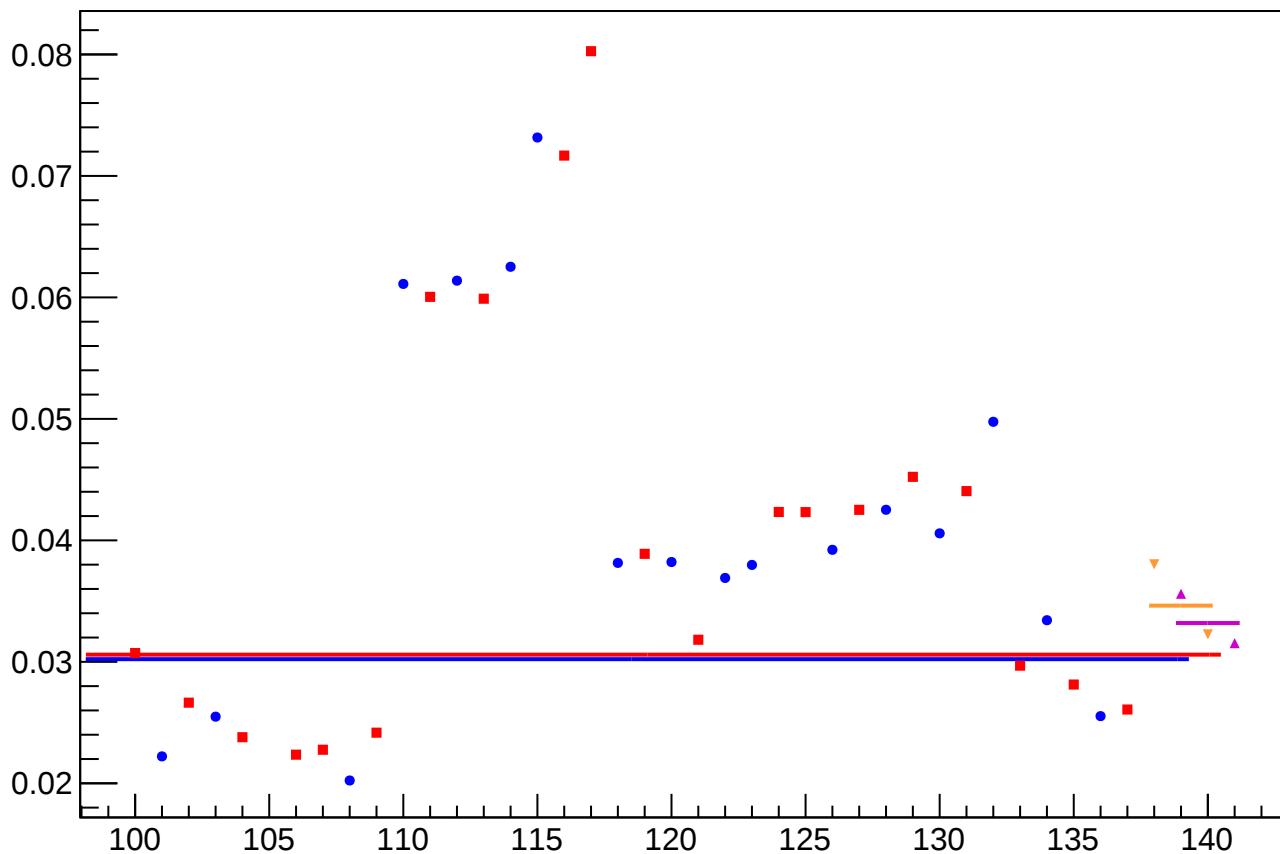
Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

Left In: 17.844+/-0.000 χ^2/NDF : 557980.4/1

19.385+/-0.000 χ^2/NDF : 15613399735.0/18

19.513+/-0.000 χ^2/NDF : 15913985977.4/21

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.035+/-0.000 χ^2/NDF :18941.0/1

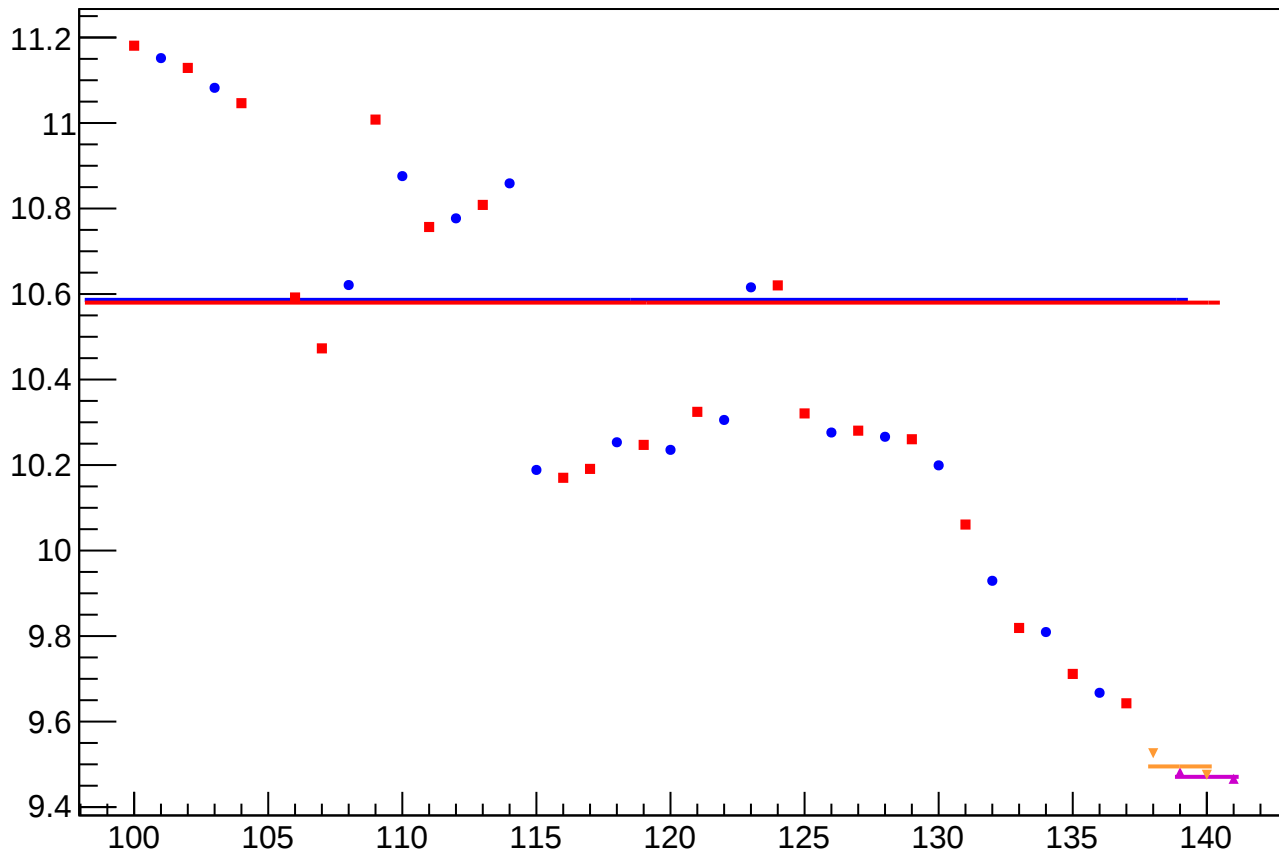
Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

Left In: 0.033+/-0.000 χ^2/NDF :10819.0/1

0.031+/-0.000 χ^2/NDF : 1381867.6/18

0.031+/-0.000 χ^2/NDF : 1245162.6/21

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.495 $\pm$ 0.000 χ^2 /NDF:2149276.9/1

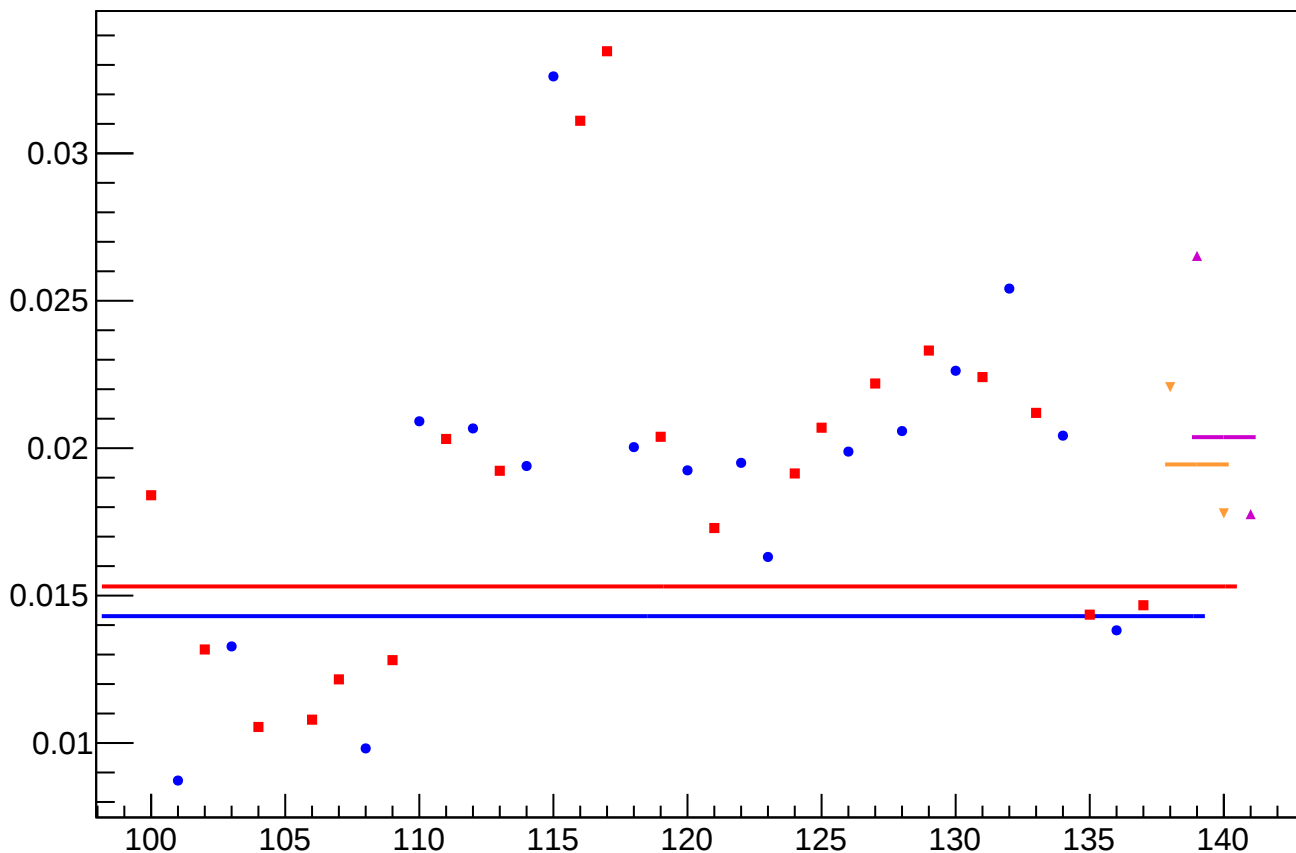
10.455 $\pm$ 0.000 χ^2 /NDF: 11154172841.9/18

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5769007164.9/19

10.448 $\pm$ 0.000 χ^2 /NDF: 9482172200.4/21

Left In: 9.471 $\pm$ 0.000 χ^2 /NDF:167571.3/1

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.019+/-0.000 χ^2/NDF :30988.5/1

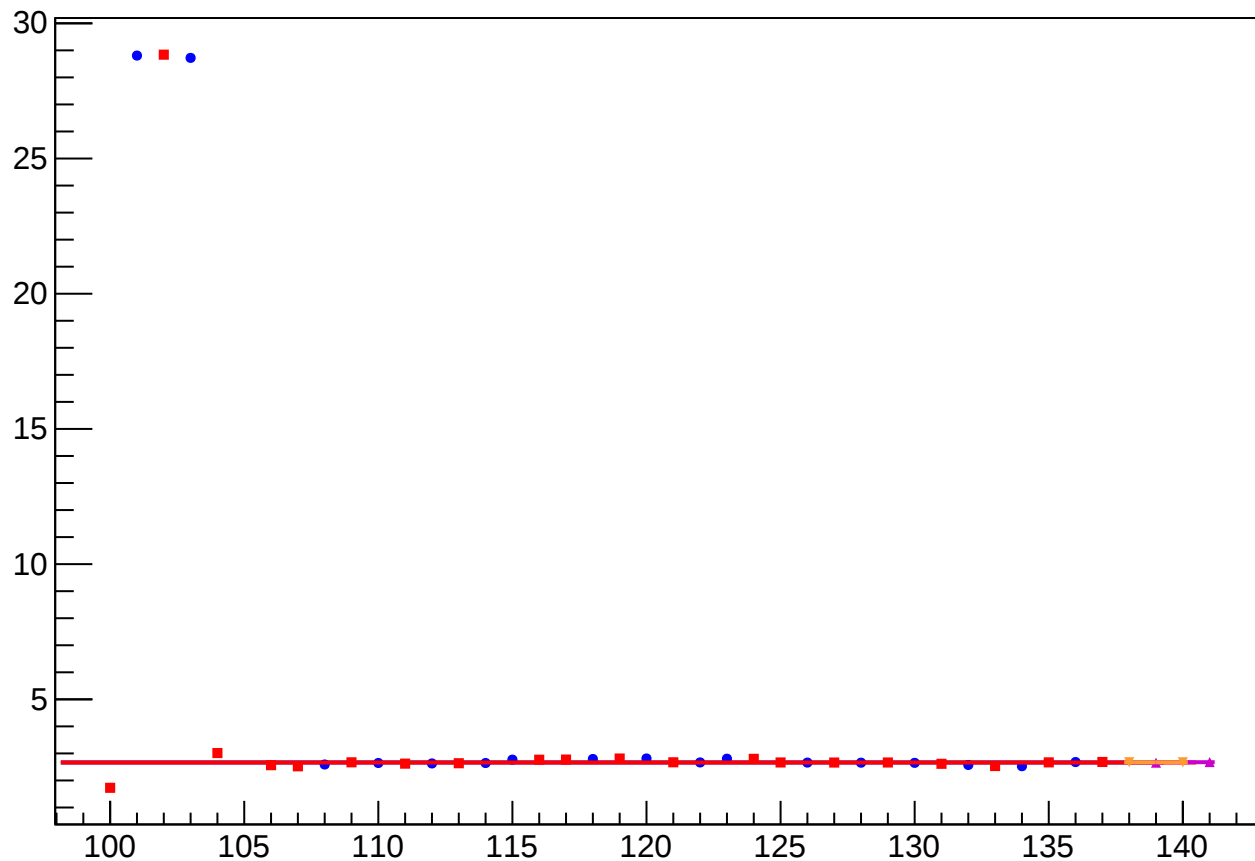
Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

Left In: 0.020+/-0.000 χ^2/NDF :110056.6/1

0.015+/-0.000 χ^2/NDF : 1604956.5/18

0.016+/-0.000 χ^2/NDF : 1276319.0/21

yield_sam7_mean vs Slug



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.672+/-0.000 χ^2/NDF : 401570.6/1

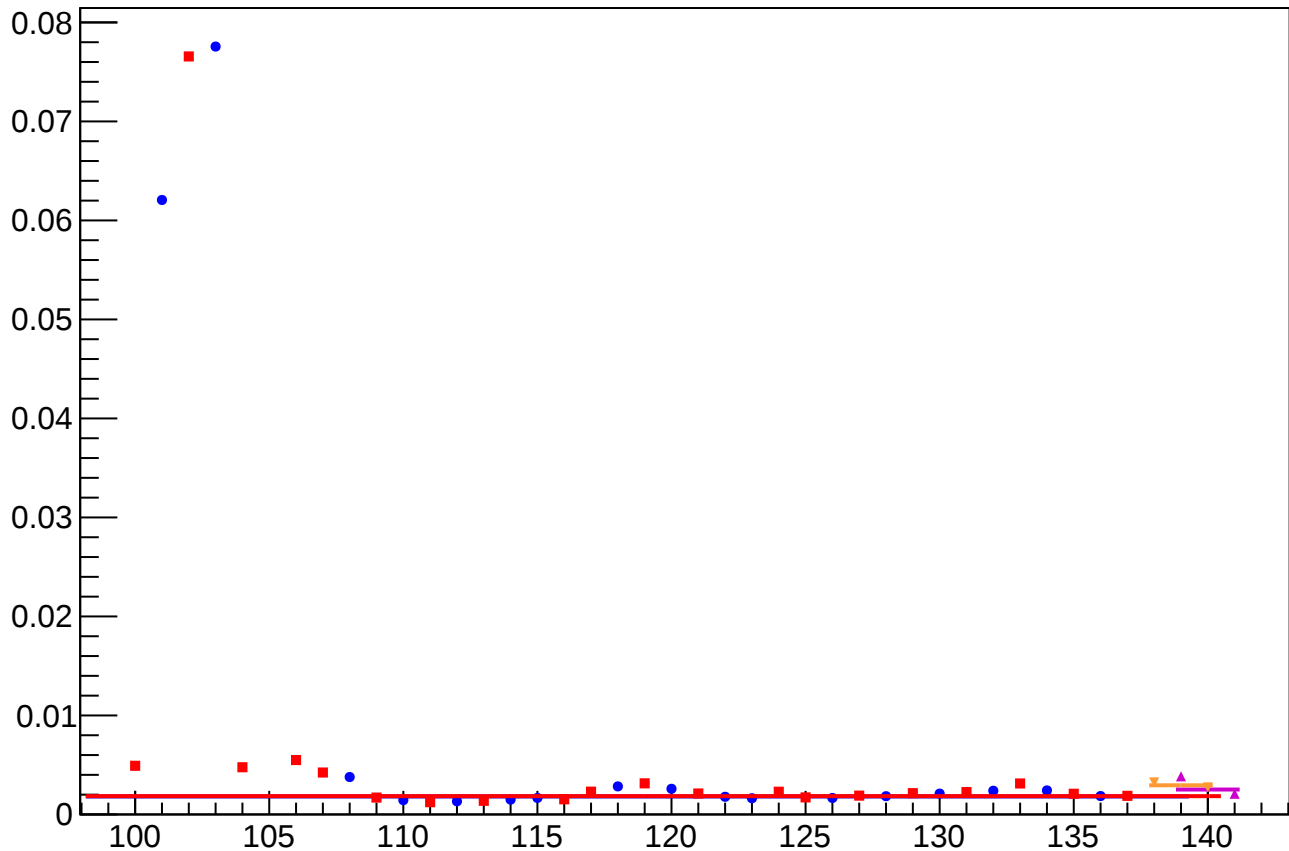
Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

Left In: 2.676+/-0.000 χ^2/NDF : 18167006.6/1

2.667+/-0.000 χ^2/NDF : 163172582134.9/18

2.665+/-0.000 χ^2/NDF : 70524480123.1/21

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.003+/-0.000 χ^2/NDF :16777.5/1

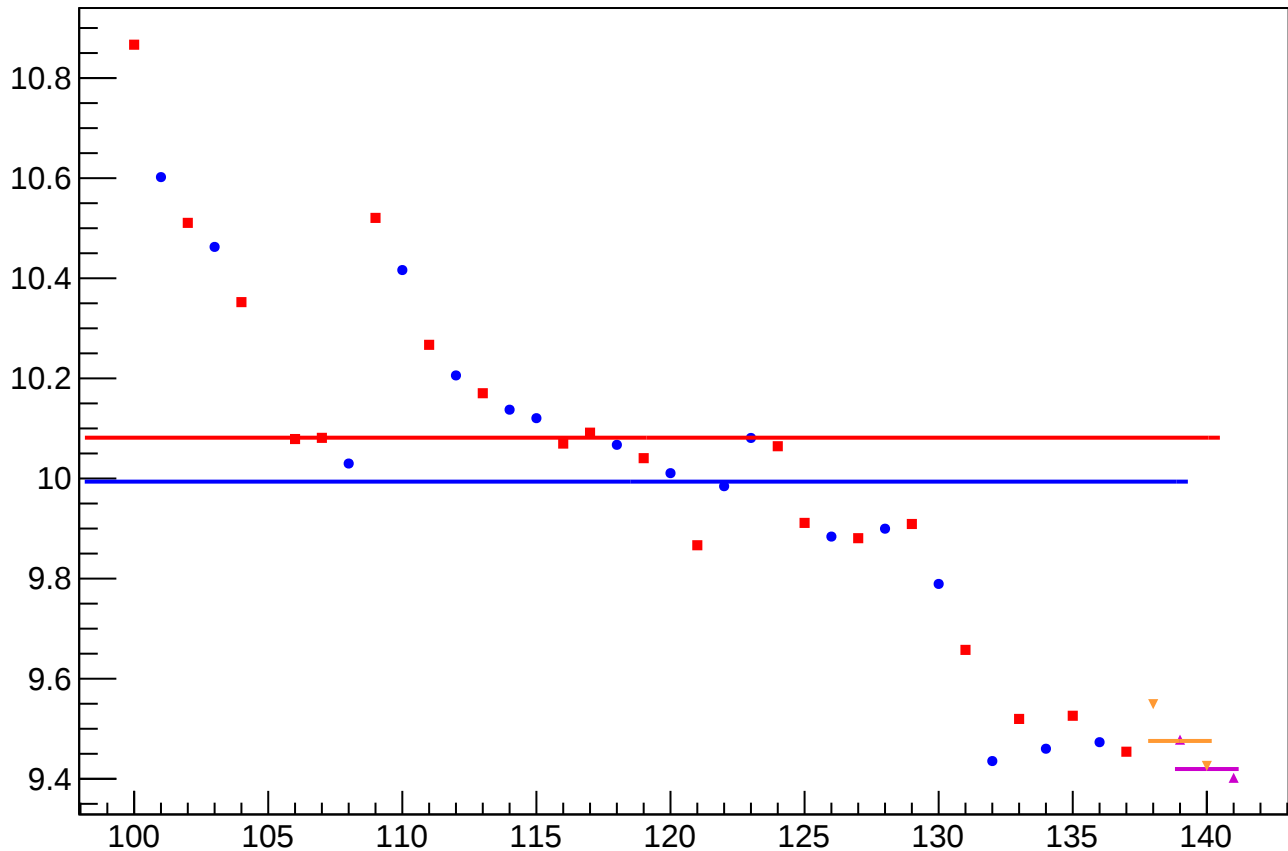
Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

Left In: 0.003+/-0.000 χ^2/NDF :221410.4/1

0.002+/-0.000 χ^2/NDF : 2996482.4/18

0.002+/-0.000 χ^2/NDF : 2708175.8/21

yield_sam8_mean vs Slug



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 9.476 $\pm$ 0.000 χ^2 /NDF: 48991310.0/1

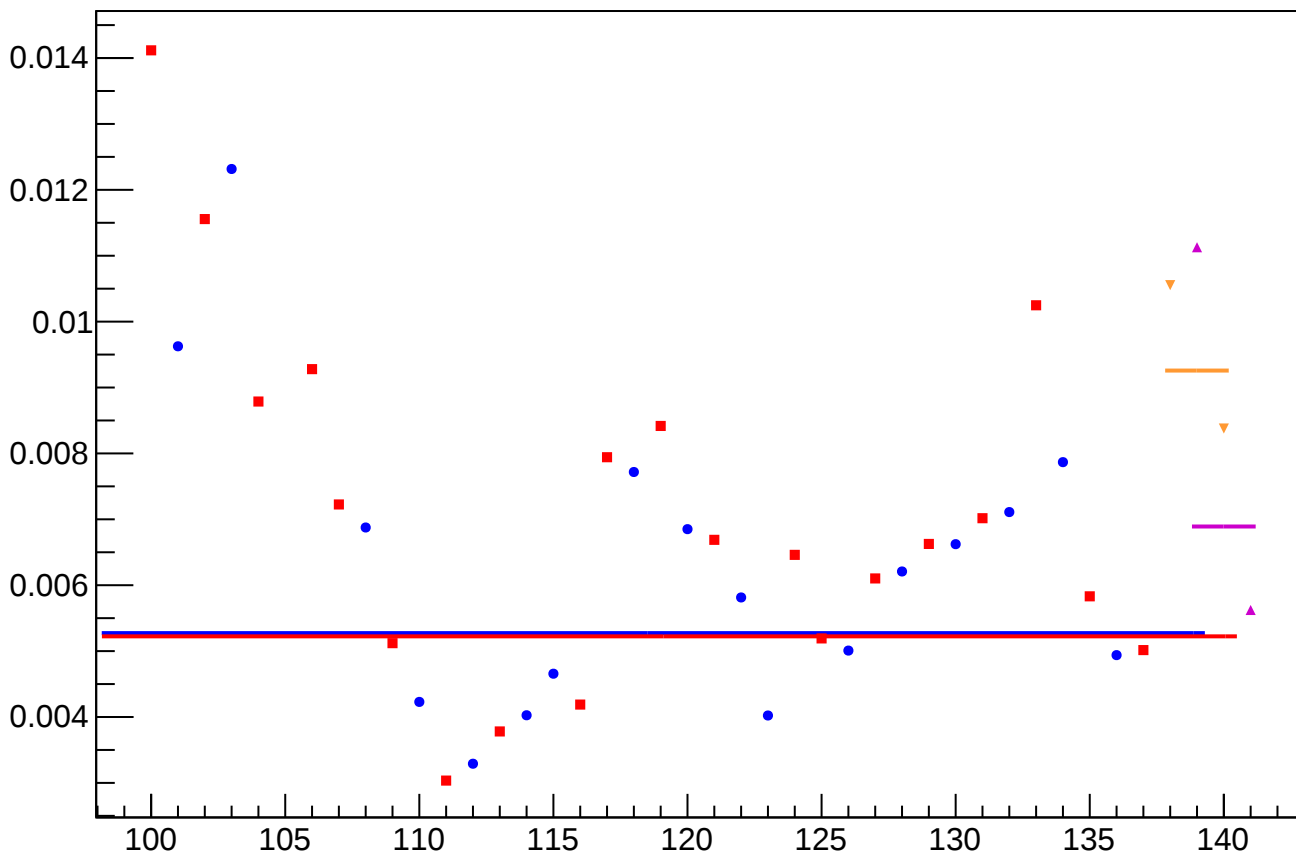
9.958 $\pm$ 0.000 χ^2 /NDF: 22208852627.8/18

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502760782.3/19

10.009 $\pm$ 0.000 χ^2 /NDF: 24836211704.2/21

Left In: 9.420 $\pm$ 0.000 χ^2 /NDF: 24546410.1/1

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.009+/-0.000 χ^2/NDF : 30506.0/1

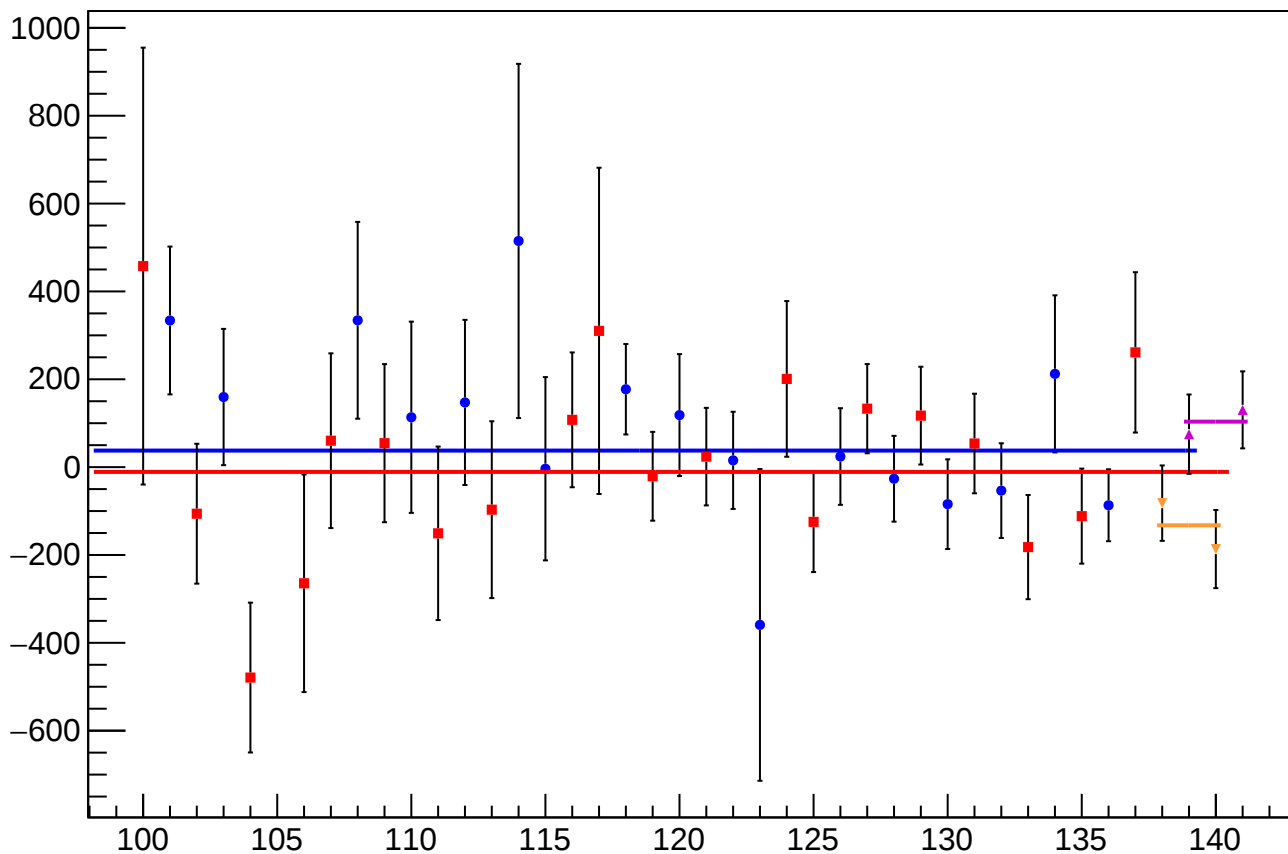
Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

Left In: 0.007+/-0.000 χ^2/NDF : 256320.9/1

0.006+/-0.000 χ^2/NDF : 1671675.0/18

0.005+/-0.000 χ^2/NDF : 2041901.5/21

reg_asym_sam1_mean vs Slug



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -132.410 $\pm$ 61.762 χ^2 /NDF: 0.7/1

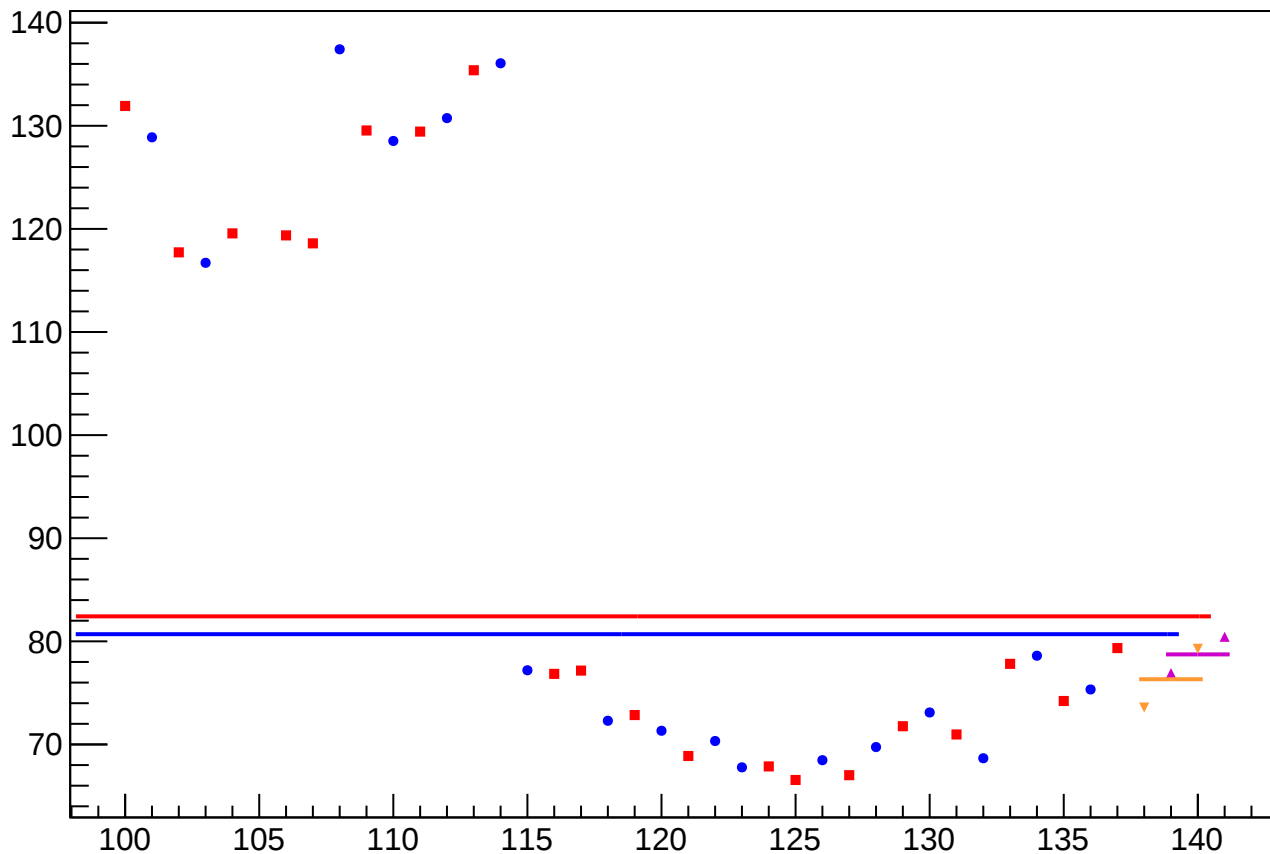
Right Out: -10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

Left In: 103.522 $\pm$ 62.898 χ^2 /NDF: 0.2/1

1.244 $\pm$ 28.590 χ^2 /NDF: 23.4/18

12.578 $\pm$ 28.484 χ^2 /NDF: 26.3/21

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 76.325 $\pm$ 0.044 χ^2 /NDF:4259.4/1

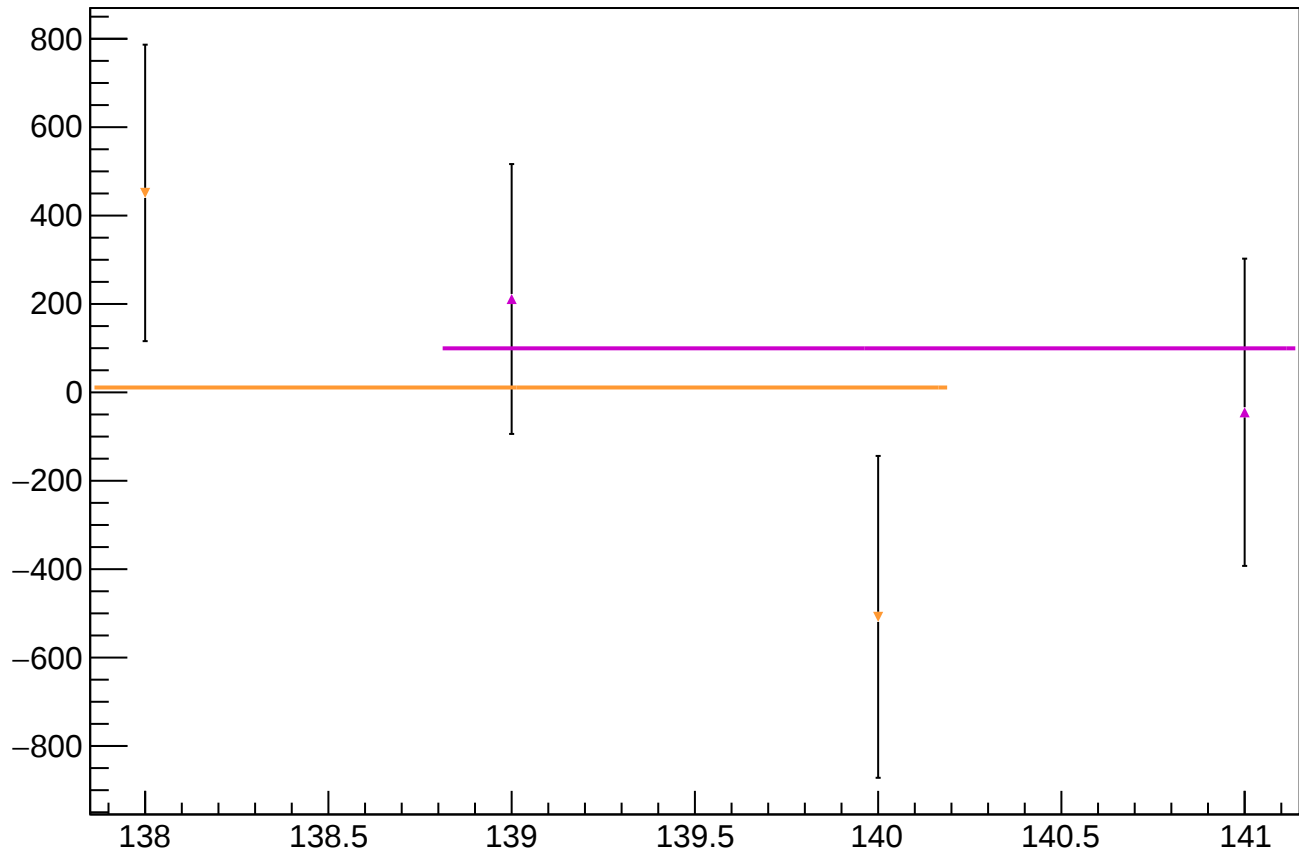
Right Out: 82.424 $\pm$ 0.023 χ^2 /NDF: 915282.5/19

Left In: 78.733 $\pm$ 0.044 χ^2 /NDF:1567.0/1

79.758 $\pm$ 0.020 χ^2 /NDF: 826151.0/18

81.667 $\pm$ 0.020 χ^2 /NDF: 922325.3/21

asym_sam1_correction_mean vs Slug



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

Left Out: 11.051+/-246.679 χ^2/NDF : 3.8/1

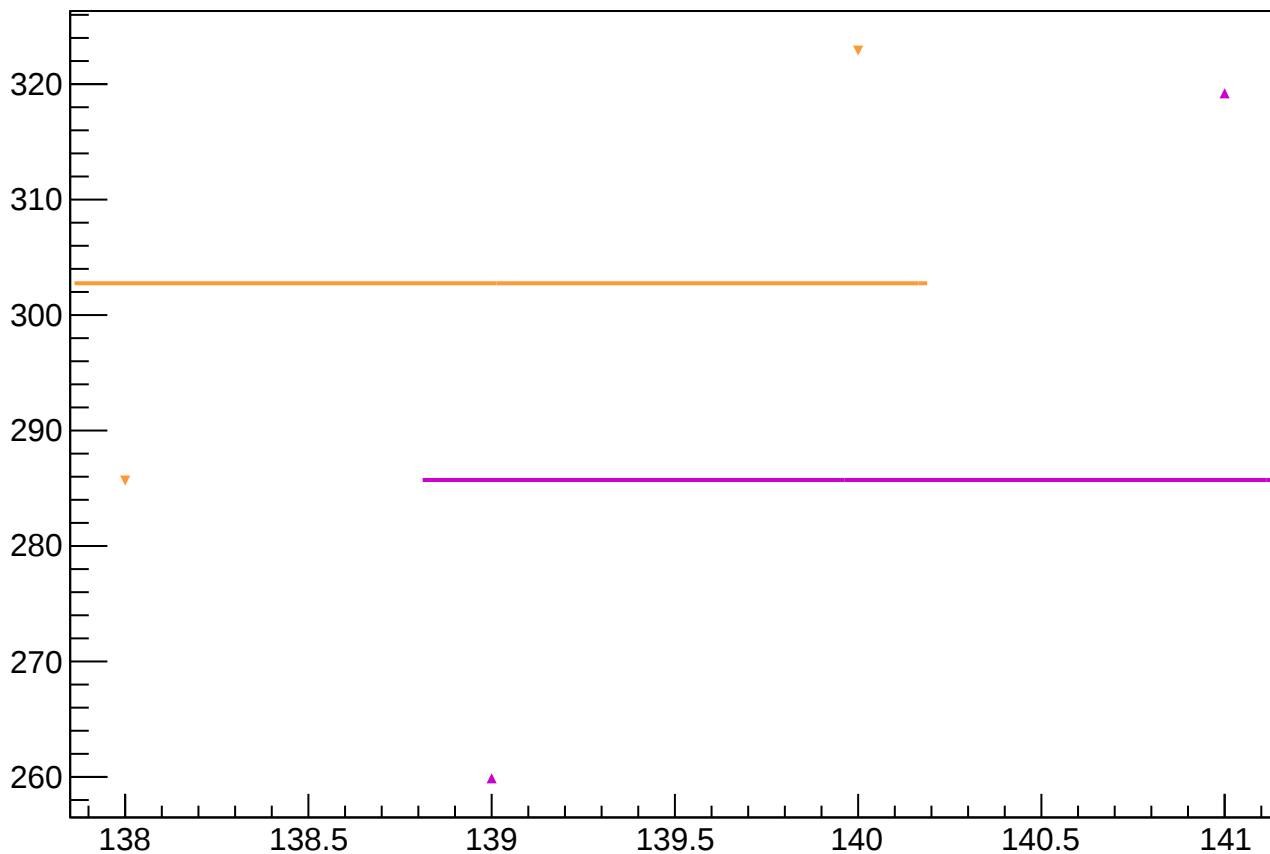
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 99.648+/-229.372 χ^2/NDF : 0.3/1

11.051+/-246.679 χ^2/NDF : 3.8/1

99.648+/-229.372 χ^2/NDF : 0.3/1

asym_sam1_correction_rms vs Slug



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

Left Out: 302.754+/-0.174 χ^2/NDF : 11316.7/1

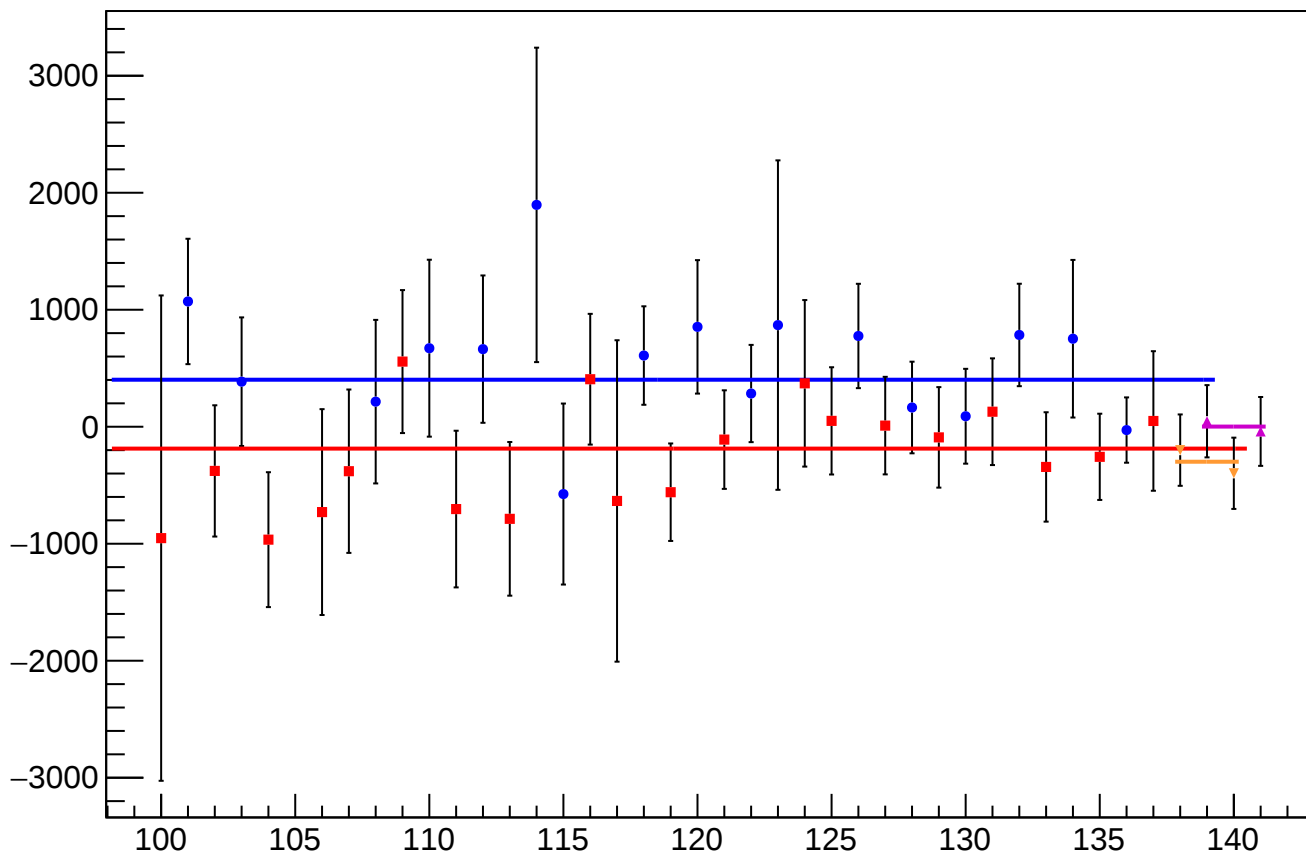
302.754+/-0.174 χ^2/NDF : 11316.7/1

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

285.717+/-0.162 χ^2/NDF : 32889.4/1

Left In: 285.717+/-0.162 χ^2/NDF : 32889.4/1

reg_asym_sam2_mean vs Slug



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -299.095 $\pm$ 215.539 χ^2 /NDF: 0.2/1

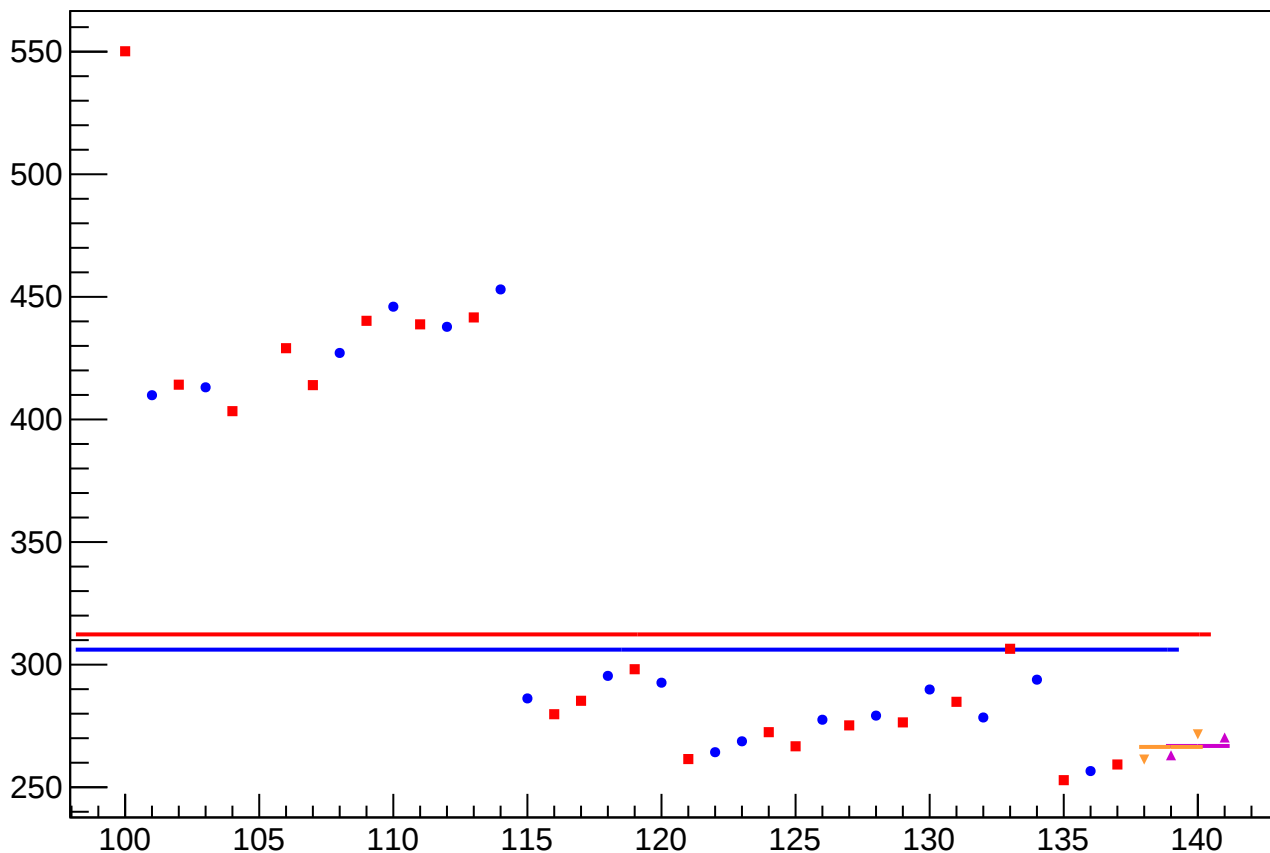
Right Out: -186.914 $\pm$ 119.879 χ^2 /NDF: 9.4/19

Left In: 1.329 $\pm$ 213.066 χ^2 /NDF: 0.0/1

233.797 $\pm$ 105.542 χ^2 /NDF: 19.1/18

-141.652 $\pm$ 104.477 χ^2 /NDF: 10.1/21

reg_asym_sam2_rms vs Slug



Right In: 306.123 ± 0.086 χ^2/NDF : 508435.8/16

Left Out: 266.441 ± 0.152 χ^2/NDF : 1140.1/1

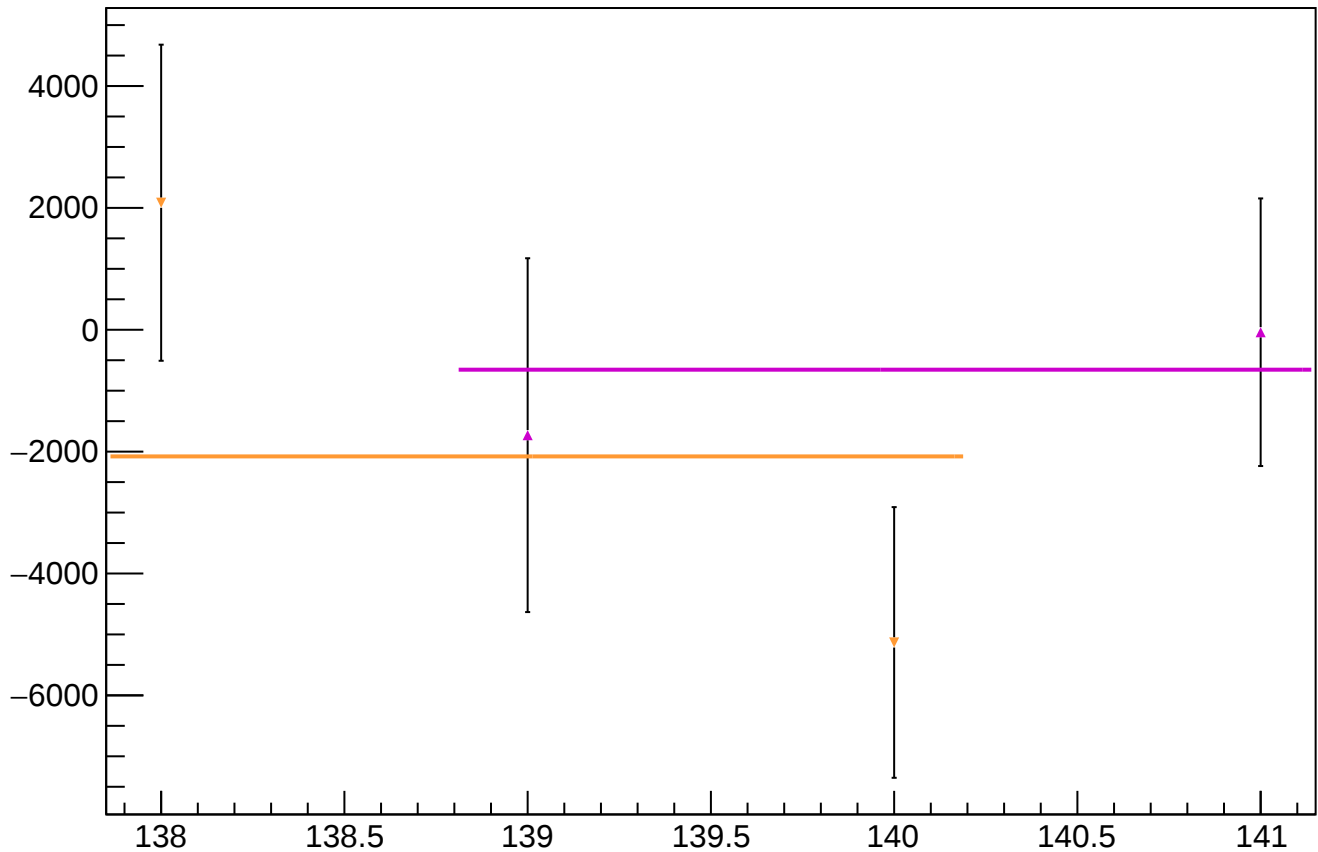
Right Out: 312.335 ± 0.085 χ^2/NDF : 626552.3/19

Left In: 266.840 ± 0.151 χ^2/NDF : 576.4/1

296.609 ± 0.075 χ^2/NDF : 561112.0/18

301.396 ± 0.074 χ^2/NDF : 696389.4/21

asym_sam2_correction_mean vs Slug



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

-2078.457+/-1687.093 χ^2/NDF : 4.5/1

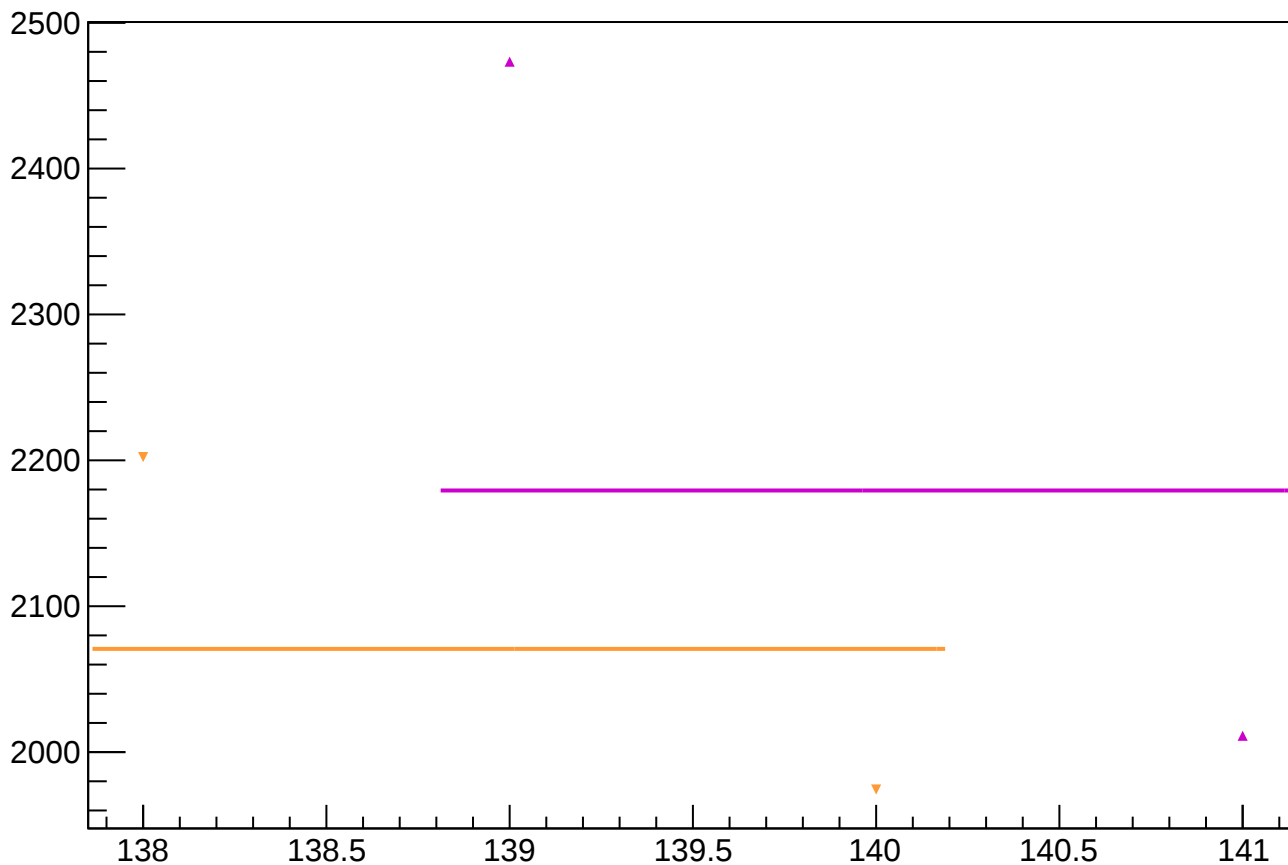
Left Out: -2078.457+/-1687.093 χ^2/NDF : 4.5/1

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

-655.197+/-1751.345 χ^2/NDF : 0.2/1

Left In: -655.197+/-1751.345 χ^2/NDF : 0.2/1

asym_sam2_correction_rms vs Slug



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

Left Out: 2070.772+/-1.193 χ^2/NDF : 8904.5/1

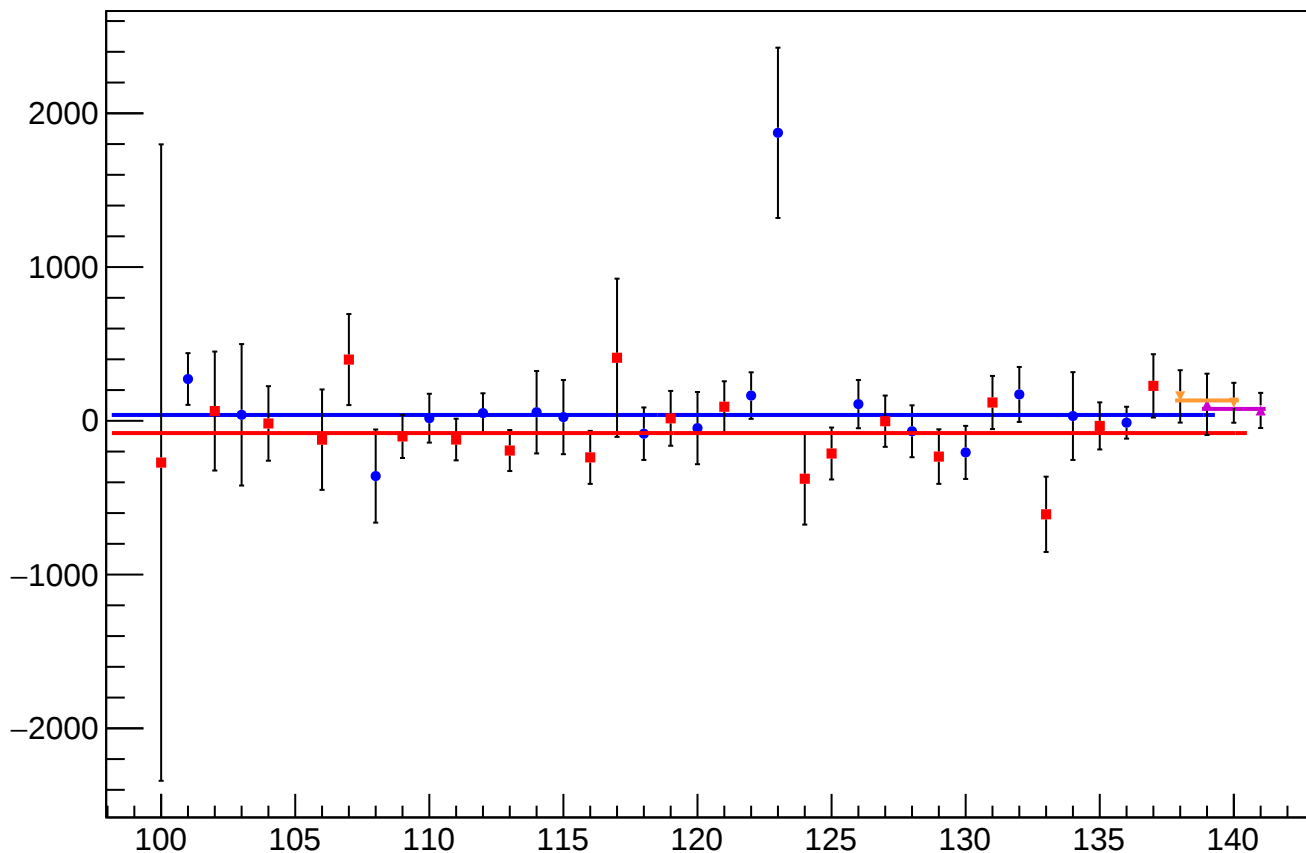
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2179.333+/-1.238 χ^2/NDF : 32223.4/1

2070.772+/-1.193 χ^2/NDF : 8904.5/1

2179.333+/-1.238 χ^2/NDF : 32223.4/1

reg_asym_sam3_mean vs Slug



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 132.630+/-103.231 χ^2/NDF : 0.0/1

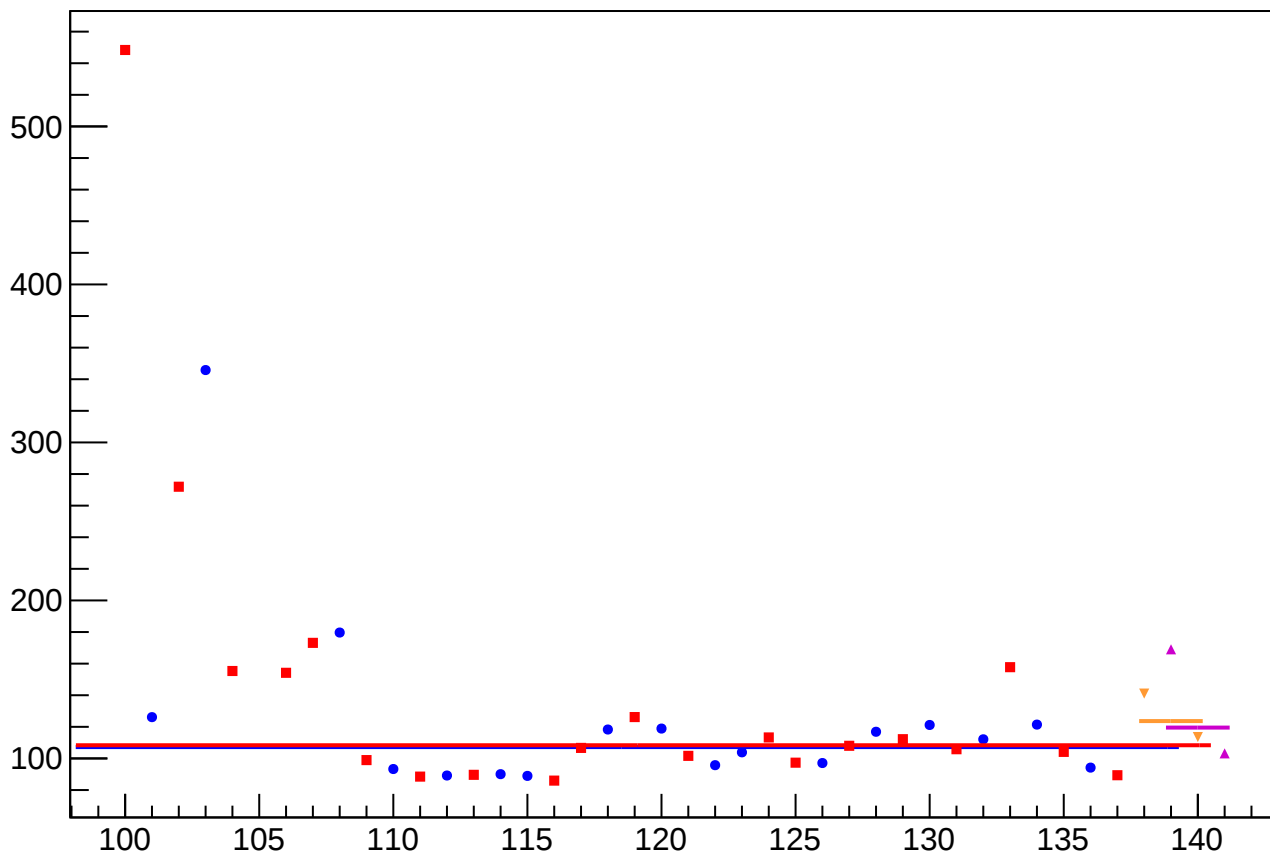
Right Out: -79.665+/-42.948 χ^2/NDF : 17.6/19

Left In: 77.383+/-99.181 χ^2/NDF : 0.0/1

52.403+/-40.124 χ^2/NDF : 20.1/18

-54.867+/-39.411 χ^2/NDF : 19.8/21

reg_asym_sam3_rms vs Slug



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 123.642+/-0.073 χ^2/NDF : 32993.1/1

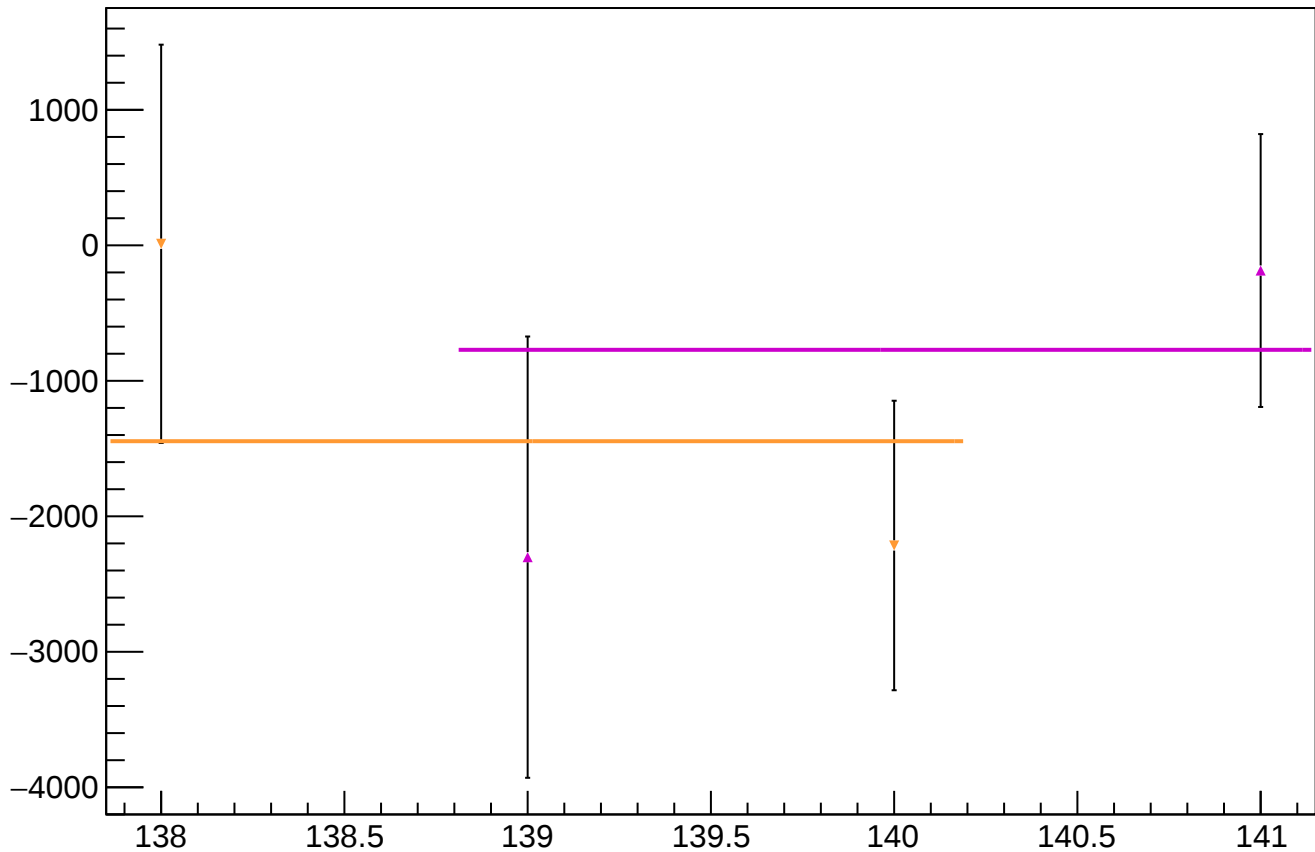
Right Out: 108.347+/-0.030 χ^2/NDF : 917309.2/19

Left In: 119.522+/-0.070 χ^2/NDF : 164363.5/1

109.675+/-0.028 χ^2/NDF : 919238.5/18

110.112+/-0.028 χ^2/NDF : 1103054.3/21

asym_sam3_correction_mean vs Slug



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

Left Out: -1445.567+/-864.182 χ^2/NDF : 1.5/1

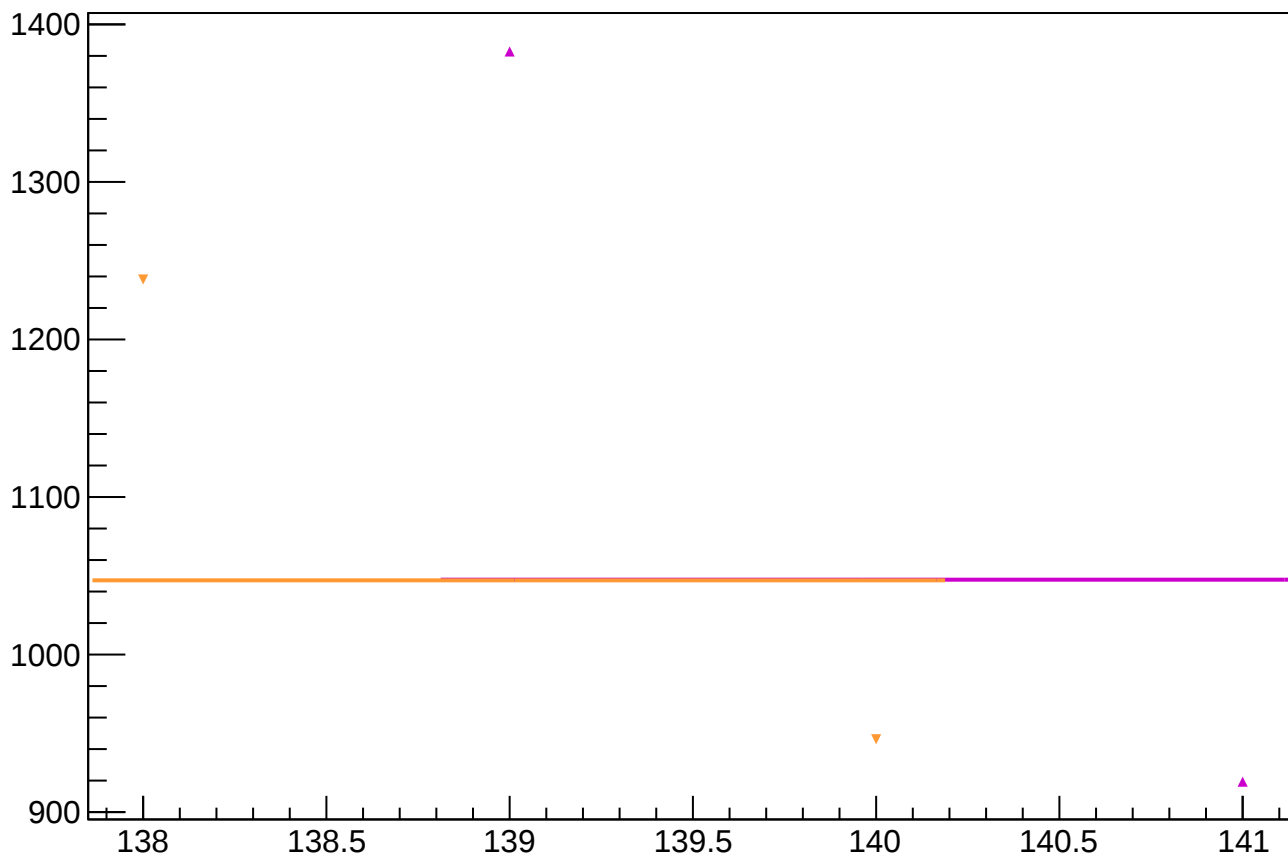
-1445.567+/-864.182 χ^2/NDF : 1.5/1

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

-771.111+/-856.510 χ^2/NDF : 1.2/1

Left In: -771.111+/-856.510 χ^2/NDF : 1.2/1

asym_sam3_correction_rms vs Slug



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

Left Out: 1047.124+/-0.611 χ^2 /NDF: 51589.5/1

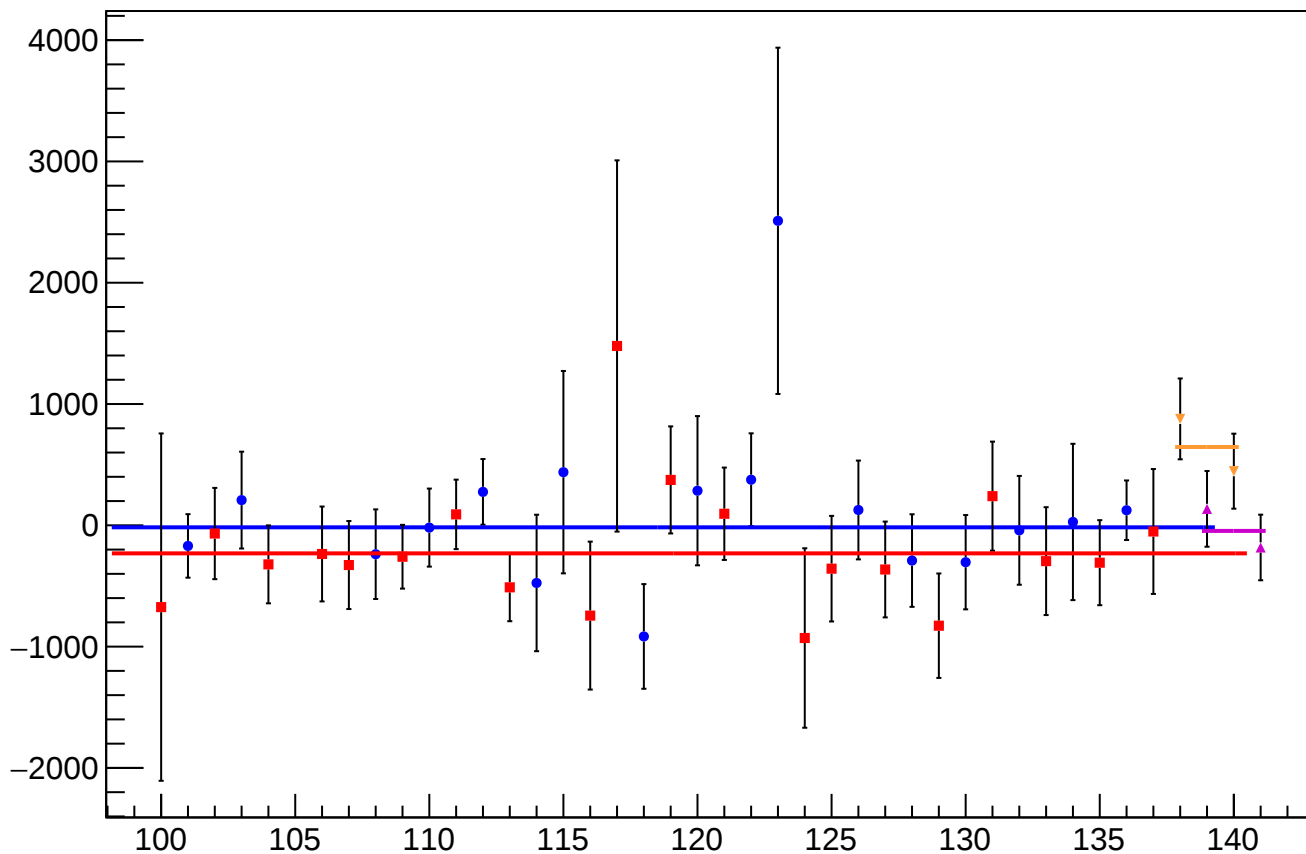
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 1047.526+/-0.606 χ^2 /NDF: 117192.0/1

1047.124+/-0.611 χ^2 /NDF: 51589.5/1

1047.526+/-0.606 χ^2 /NDF: 117192.0/1

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 645.735 ± 226.692 χ^2/NDF : 0.9/1

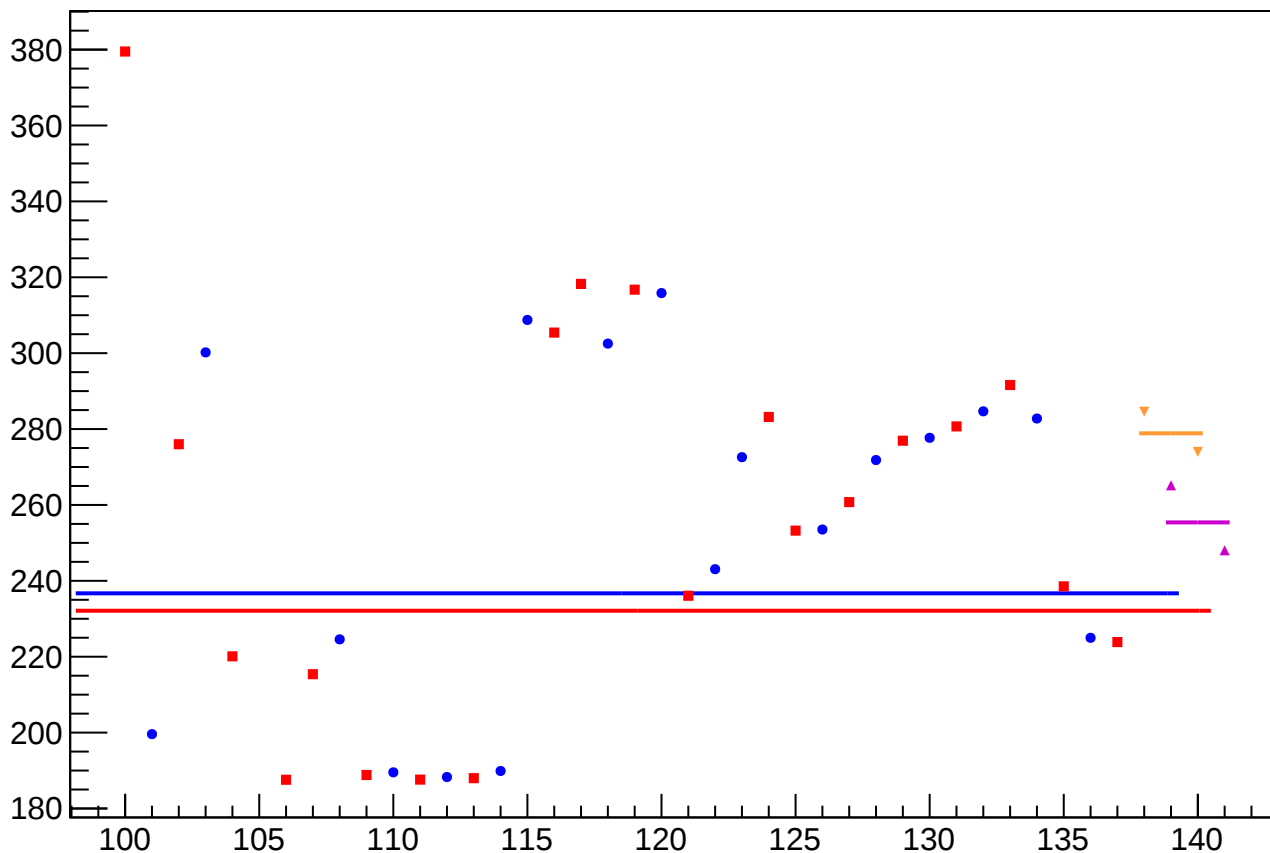
Right Out: -231.209 ± 88.787 χ^2/NDF : 11.6/19

Left In: -46.086 ± 204.364 χ^2/NDF : 0.6/1

79.435 ± 86.266 χ^2/NDF : 21.6/18

-201.815 ± 81.434 χ^2/NDF : 12.9/21

reg_asym_sam4_rms vs Slug



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 278.876+/-0.160 χ^2/NDF :1084.7/1

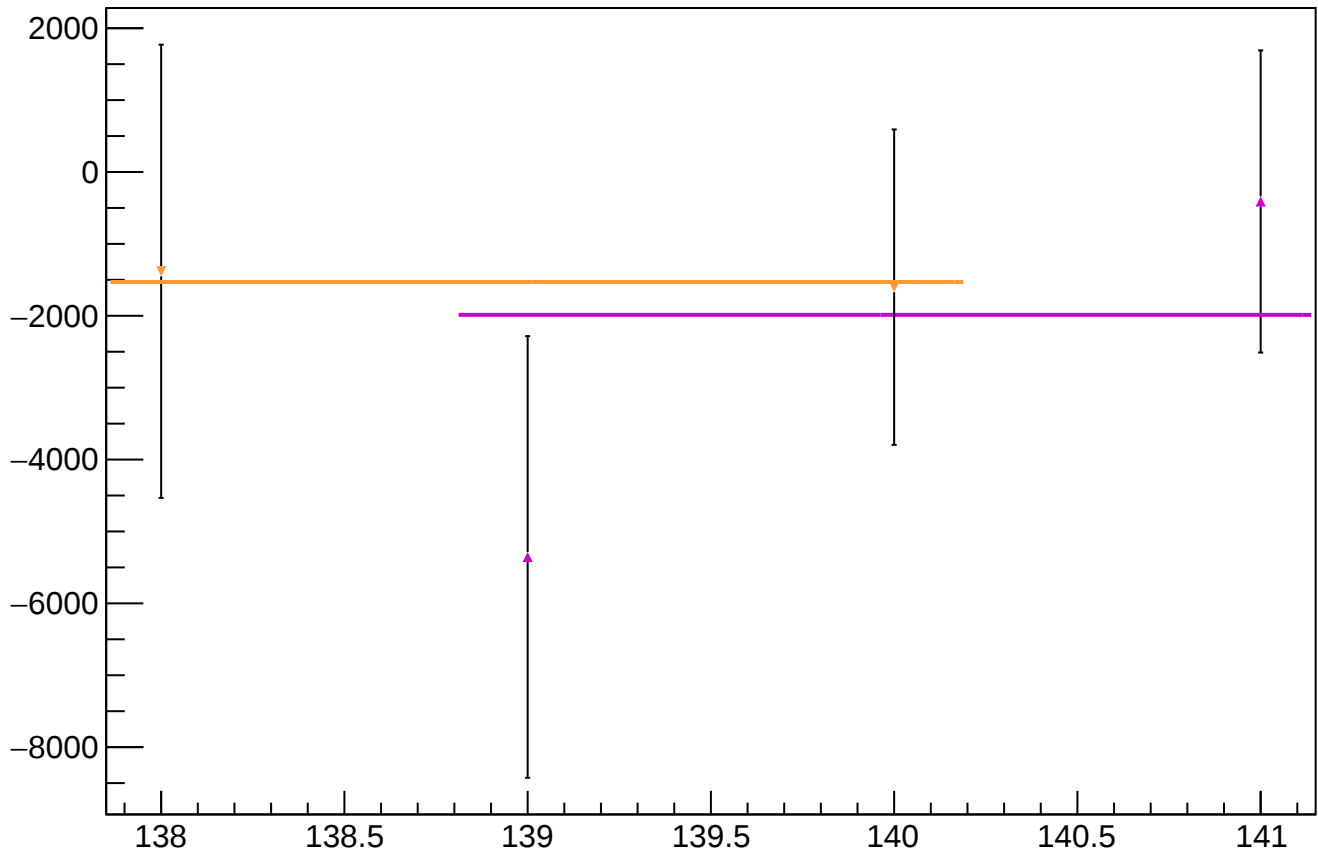
Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

Left In: 255.398+/-0.145 χ^2/NDF :3440.8/1

242.813+/-0.061 χ^2/NDF : 450614.7/18

235.815+/-0.058 χ^2/NDF : 474903.8/21

asym_sam4_correction_mean vs Slug



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

Left Out: -1529.724+/-1800.725 χ^2 /NDF:0.0/1

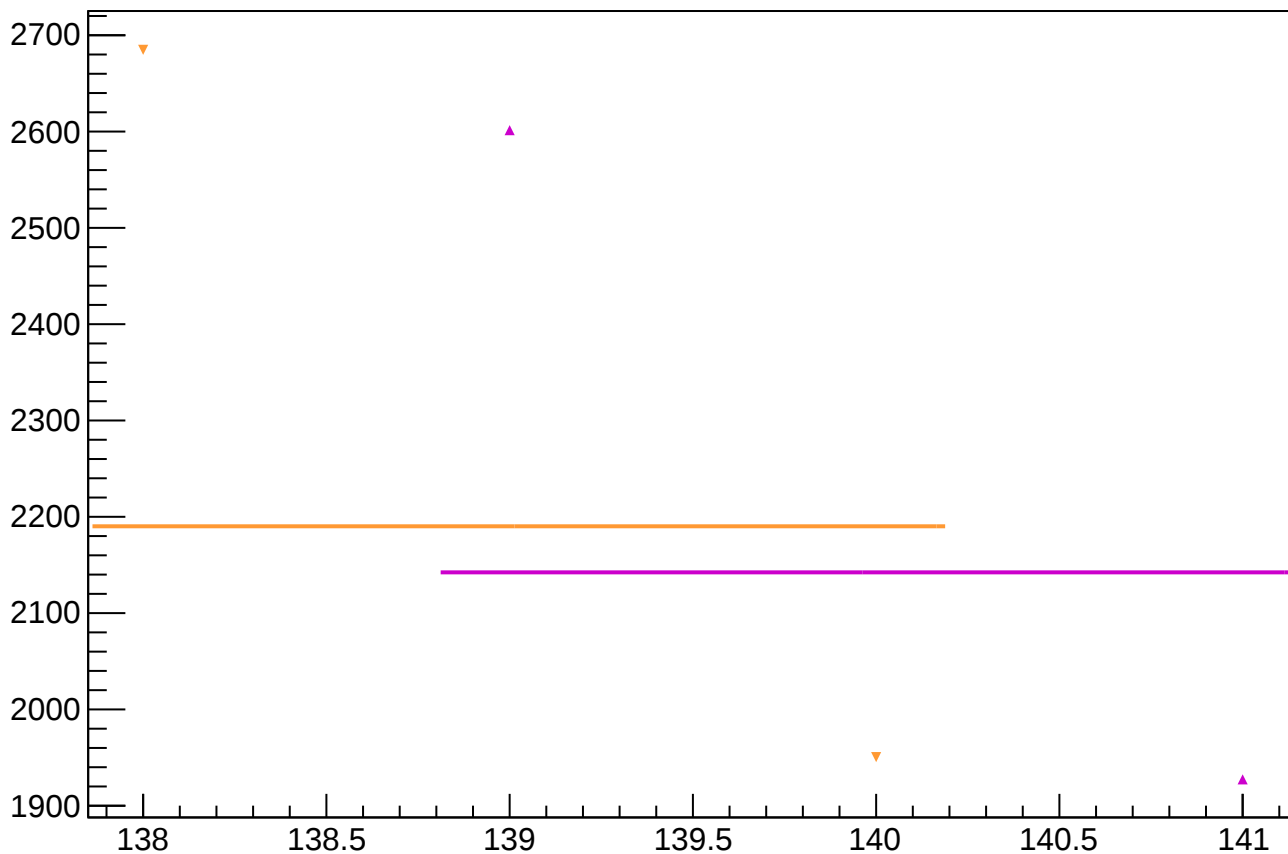
-1529.724+/-1800.725 χ^2 /NDF: 0.0/1

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

-1986.966+/-1734.379 χ^2 /NDF: 1.8/1

Left In: -1986.966+/-1734.379 χ^2 /NDF:1.8/1

asym_sam4_correction_rms vs Slug



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

Left Out: 2190.146+/-1.273 χ^2 /NDF: 73125.3/1

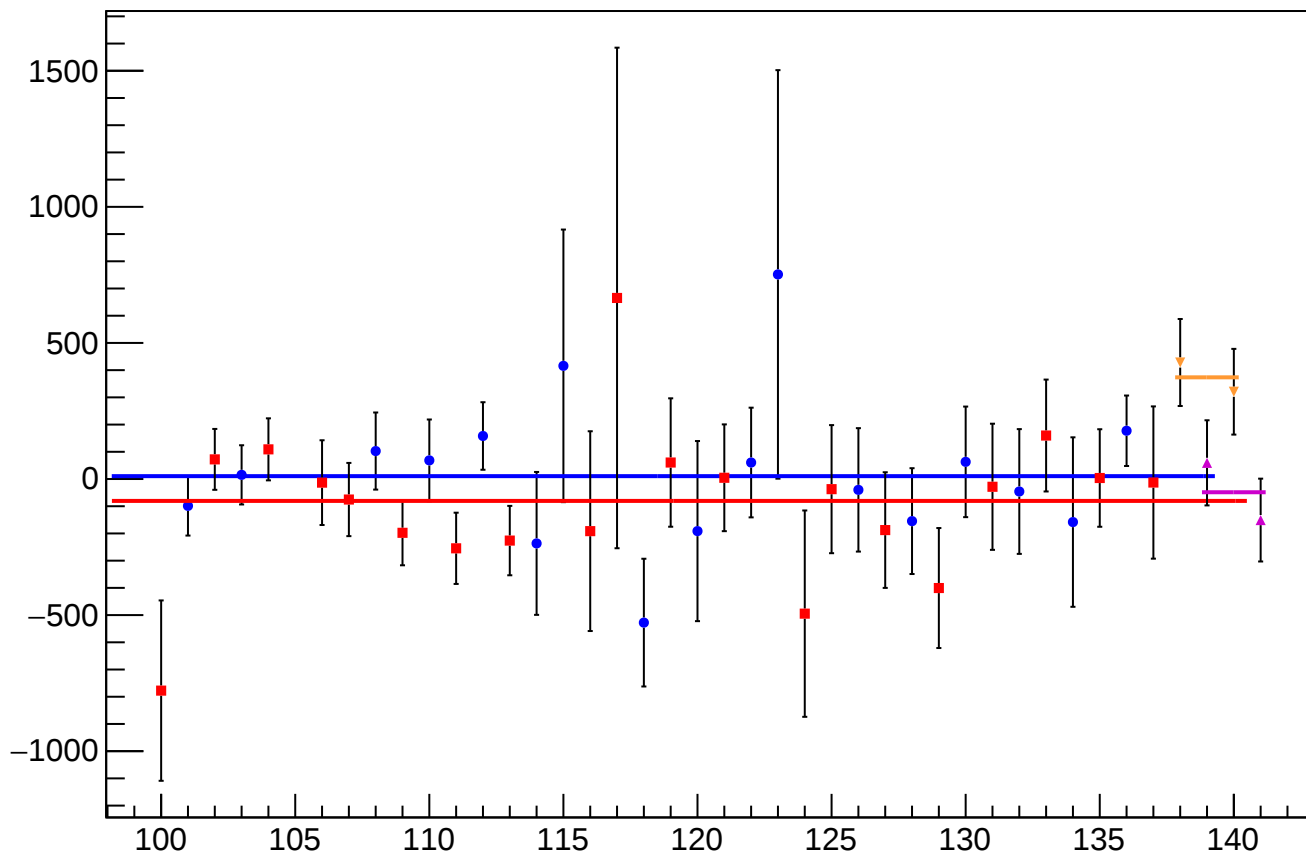
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 2142.322+/-1.226 χ^2 /NDF: 65611.6/1

2190.146+/-1.273 χ^2 /NDF: 73125.3/1

2142.322+/-1.226 χ^2 /NDF: 65611.6/1

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 $\chi^2/\text{NDF}: 14.1/16$

Left Out: 373.585 ± 112.191 $\chi^2/\text{NDF}: 0.2/1$

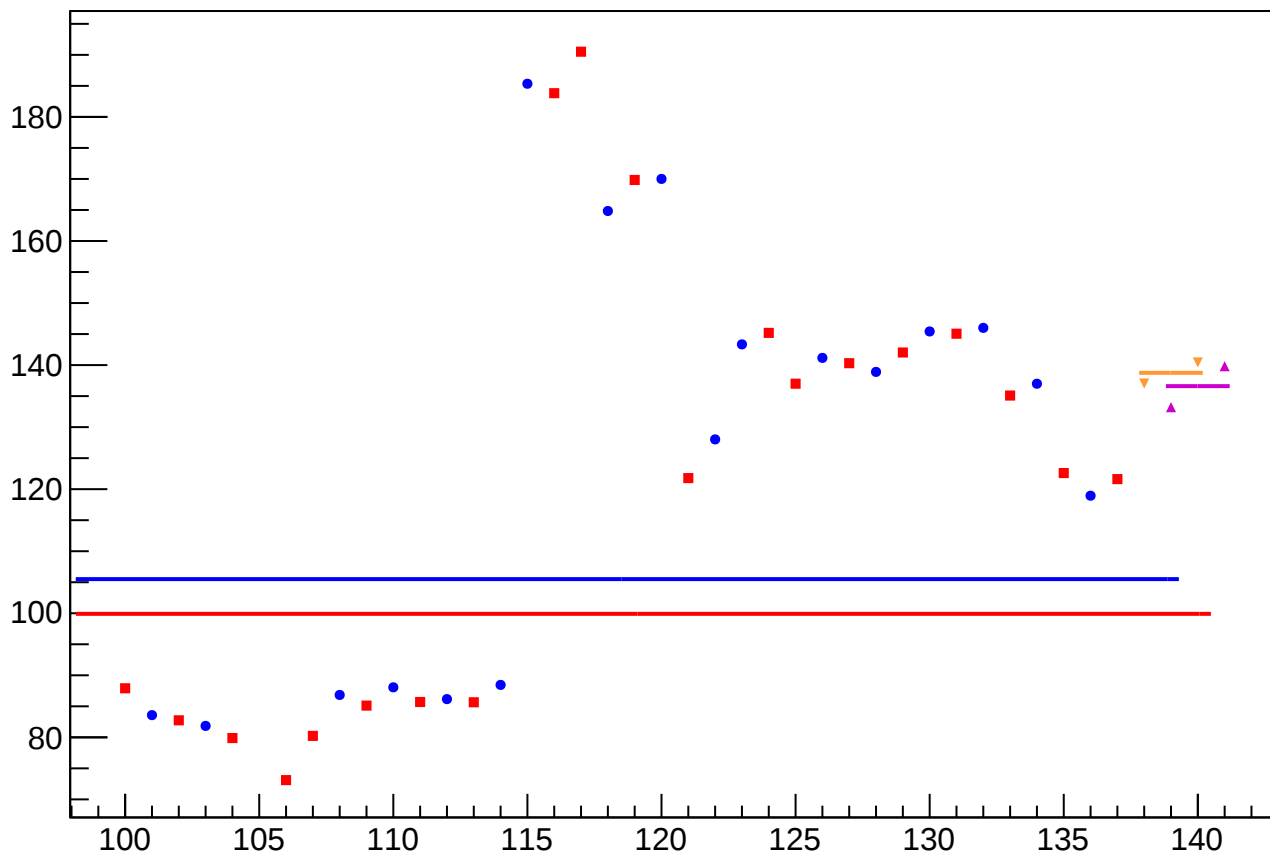
Right Out: -80.462 ± 38.950 $\chi^2/\text{NDF}: 19.9/19$

Left In: -48.616 ± 109.074 $\chi^2/\text{NDF}: 0.9/1$

55.707 ± 39.576 $\chi^2/\text{NDF}: 23.5/18$

-76.860 ± 36.681 $\chi^2/\text{NDF}: 20.9/21$

reg_asym_sam5_rms vs Slug



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 138.752+/-0.079 χ^2/NDF :458.3/1

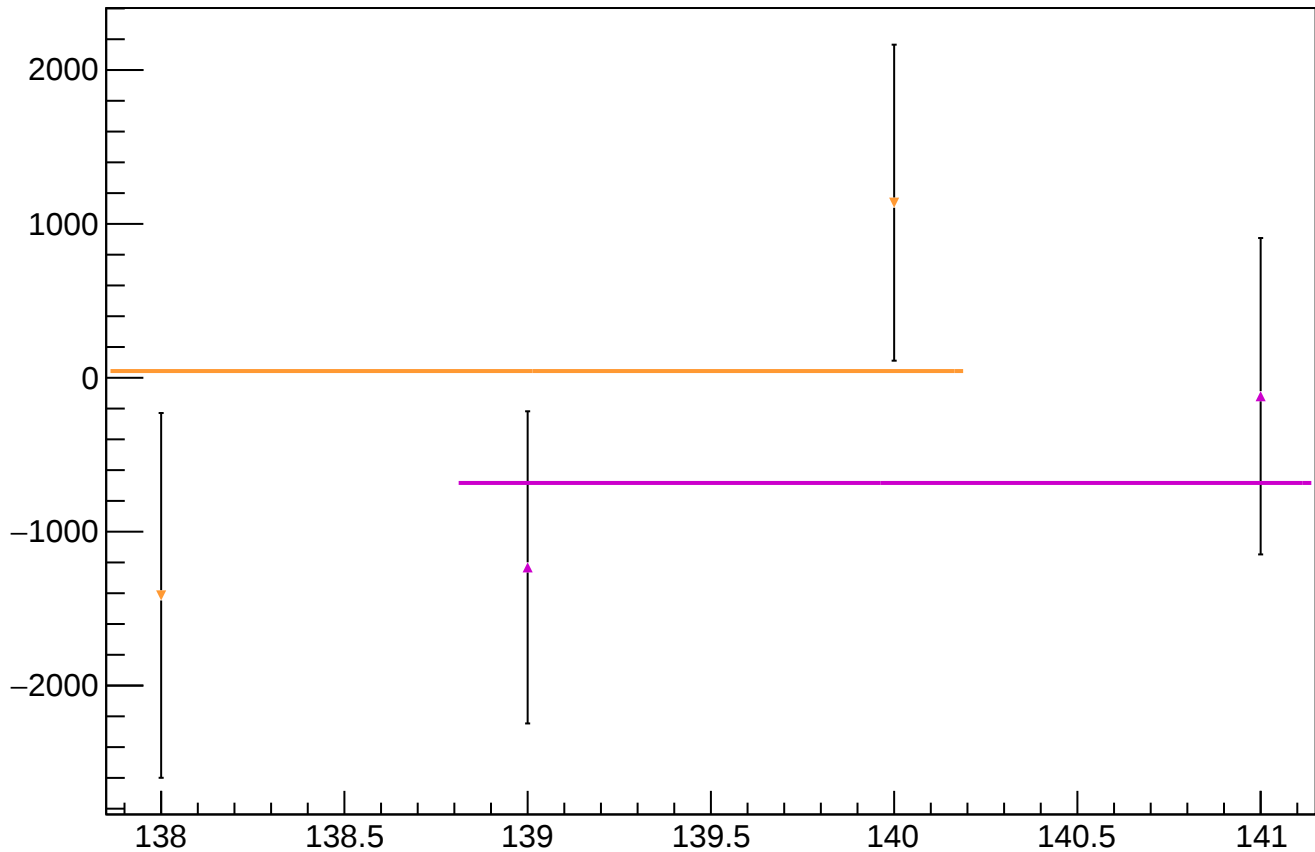
Right Out: 99.907+/-0.028 χ^2/NDF : 1019545.3/19

Left In: 136.606+/-0.077 χ^2/NDF :1829.6/1

109.640+/-0.028 χ^2/NDF : 1023285.9/18

104.057+/-0.026 χ^2/NDF : 1222182.4/21

asym_sam5_correction_mean vs Slug



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

Left Out: 43.785+/-776.056 χ^2/NDF : 2.6/1

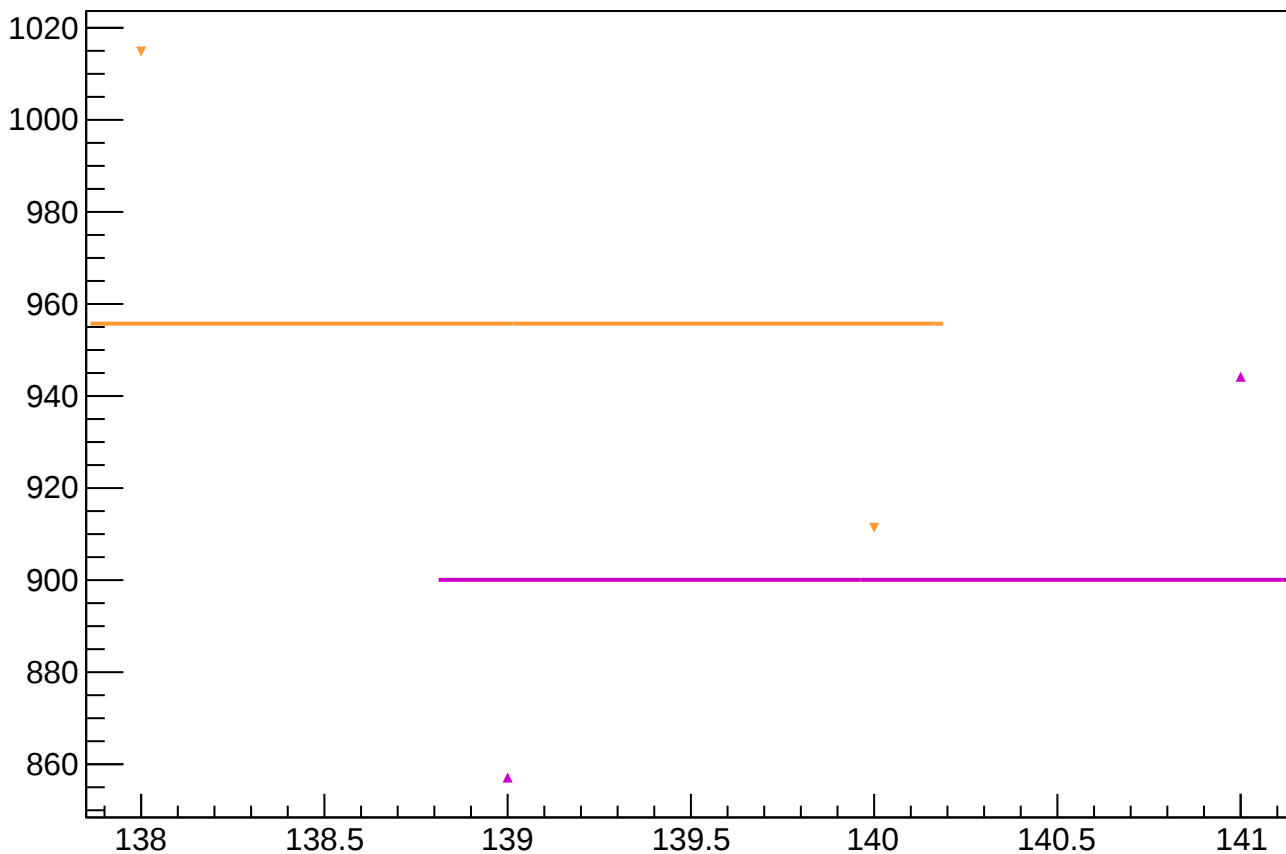
43.785+/-776.056 χ^2/NDF : 2.6/1

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

-683.346+/-721.996 χ^2/NDF : 0.6/1

Left In: -683.346+/-721.996 χ^2/NDF : 0.6/1

asym_sam5_correction_rms vs Slug



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

Left Out: 955.731+/-0.549 χ^2/NDF : 8710.1/1

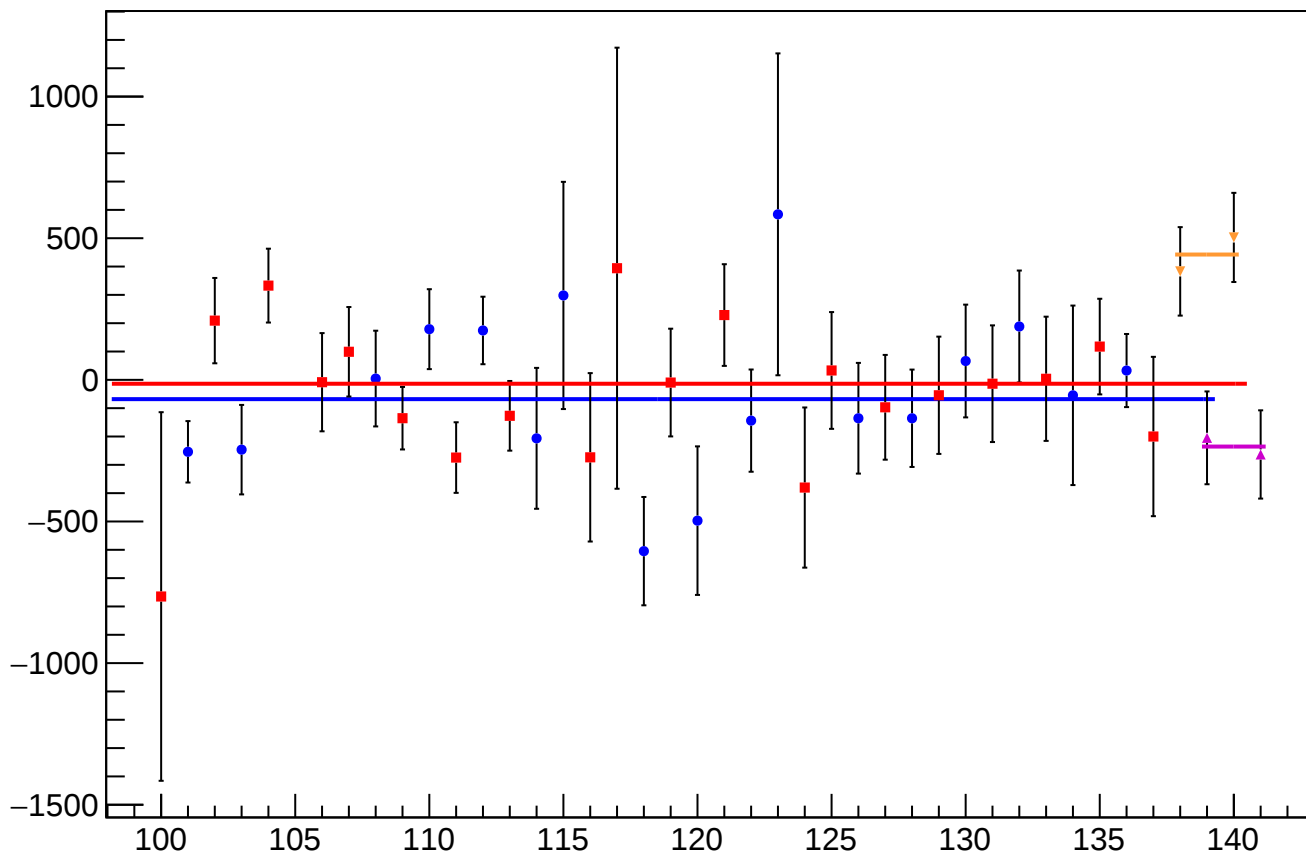
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 900.069+/-0.511 χ^2/NDF : 7271.5/1

955.731+/-0.549 χ^2/NDF : 8710.1/1

900.069+/-0.511 χ^2/NDF : 7271.5/1

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 442.404 ± 110.856 $\chi^2/\text{NDF}: 0.3/1$

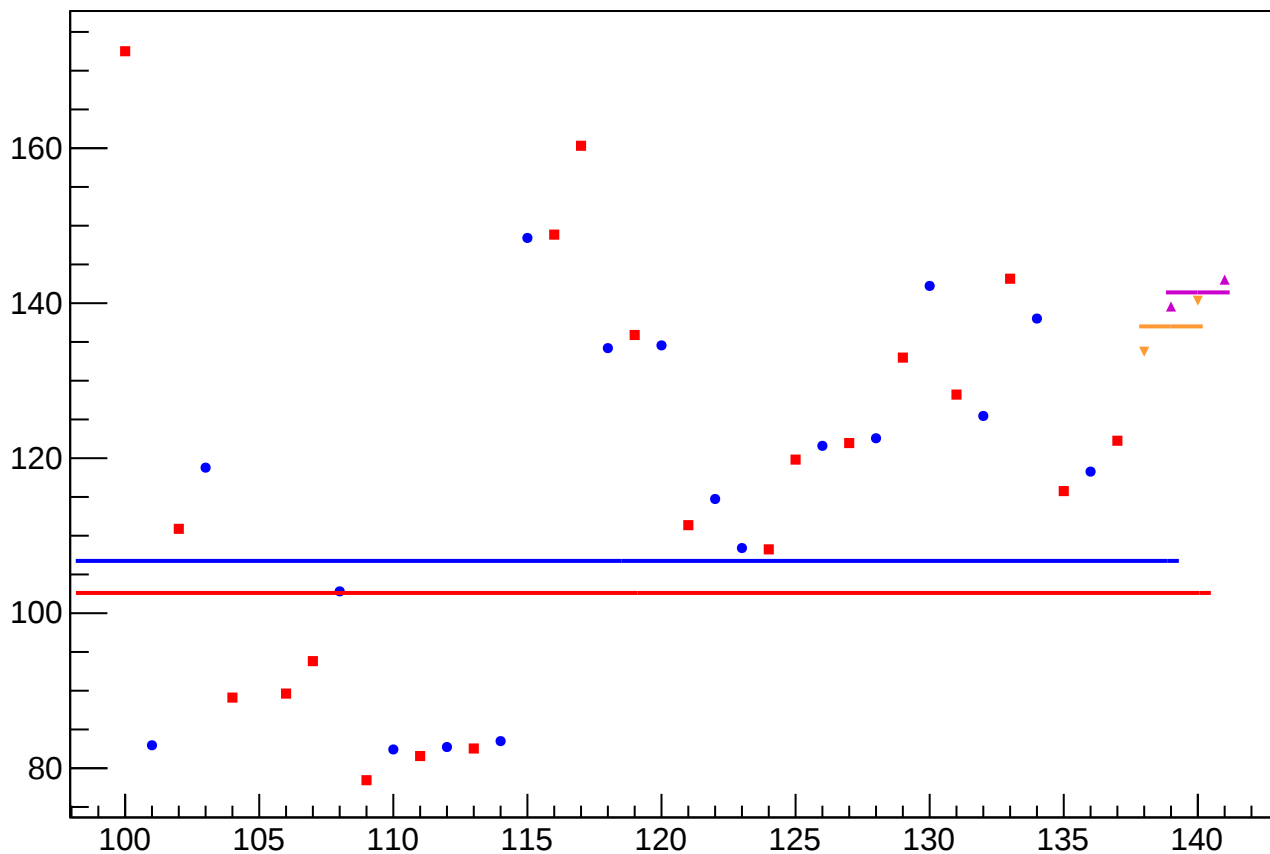
Right Out: -13.752 ± 39.416 $\chi^2/\text{NDF}: 23.4/19$

Left In: -235.521 ± 112.897 $\chi^2/\text{NDF}: 0.1/1$

-3.319 ± 39.492 $\chi^2/\text{NDF}: 46.6/18$

-37.847 ± 37.213 $\chi^2/\text{NDF}: 26.9/21$

reg_asym_sam6_rms vs Slug



Right In: 106.749 ± 0.030 χ^2/NDF : 501742.8/16

Left Out: 137.005 ± 0.078 χ^2/NDF : 1763.4/1

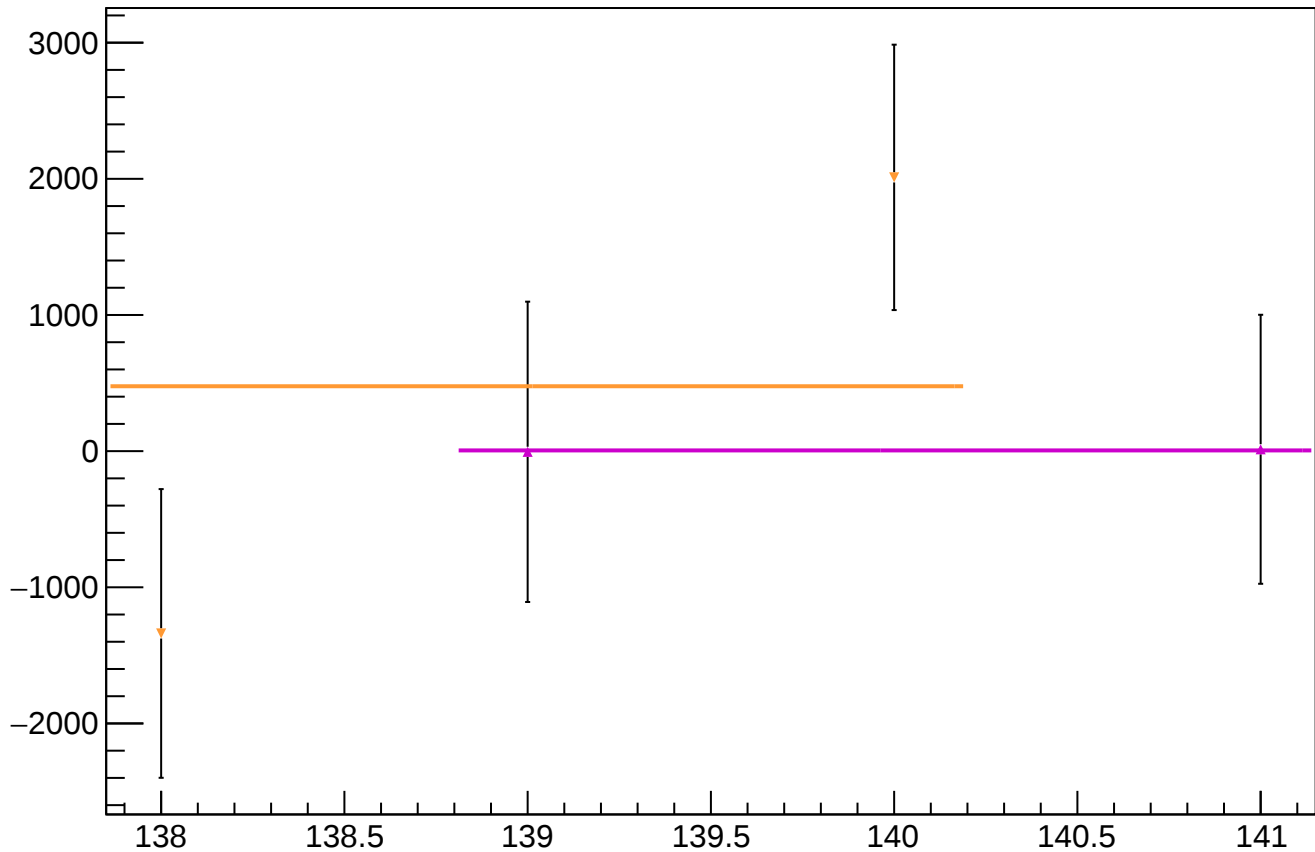
Right Out: 102.615 ± 0.028 χ^2/NDF : 600357.6/19

Left In: 141.392 ± 0.080 χ^2/NDF : 470.7/1

110.589 ± 0.028 χ^2/NDF : 633578.4/18

106.828 ± 0.026 χ^2/NDF : 811138.2/21

asym_sam6_correction_mean vs Slug



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

Left Out: 476.575+/-717.512 χ^2/NDF : 5.4/1

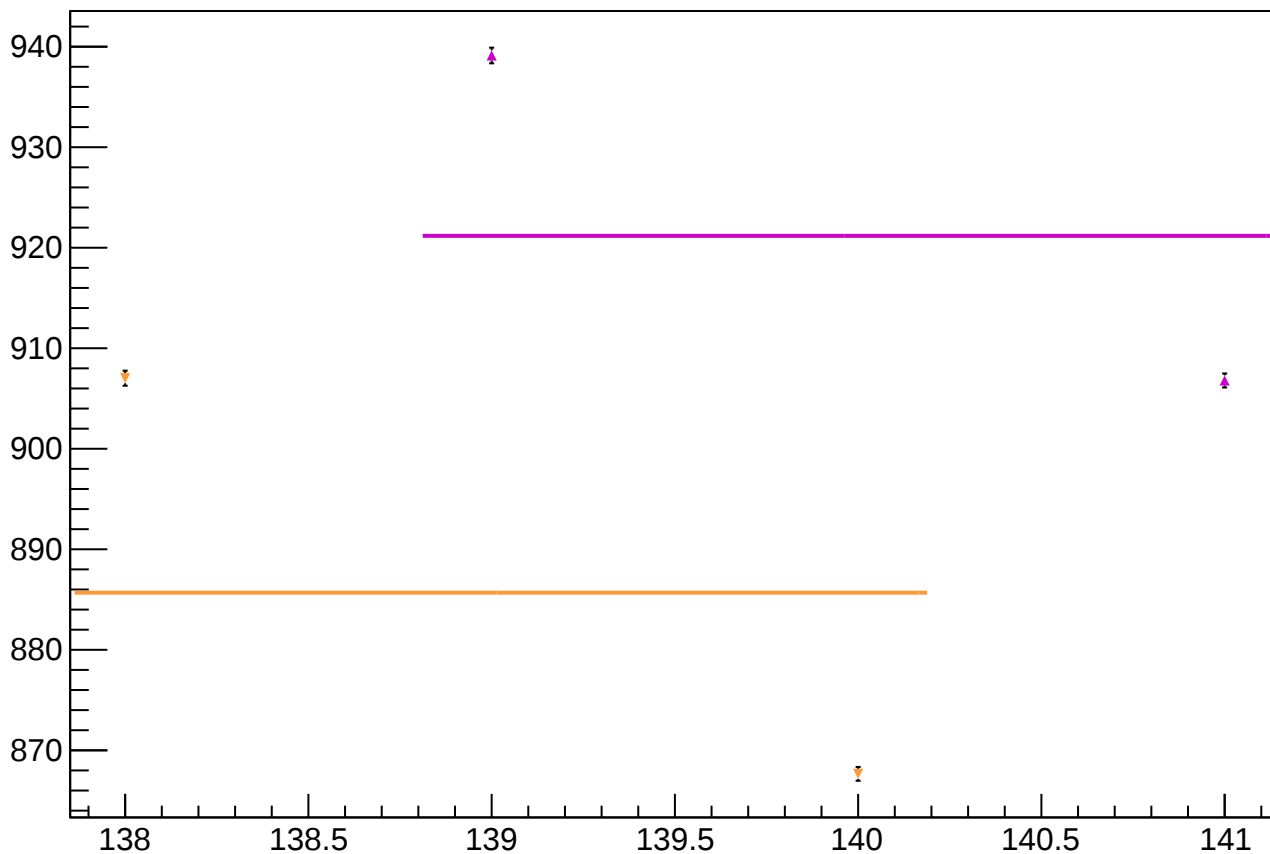
476.575+/-717.512 χ^2/NDF : 5.4/1

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

5.328+/-735.840 χ^2/NDF : 0.0/1

Left In: 5.328+/-735.840 χ^2/NDF : 0.0/1

asym_sam6_correction_rms vs Slug



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

Left Out: 885.686+/-0.507 χ^2/NDF : 1494.2/1

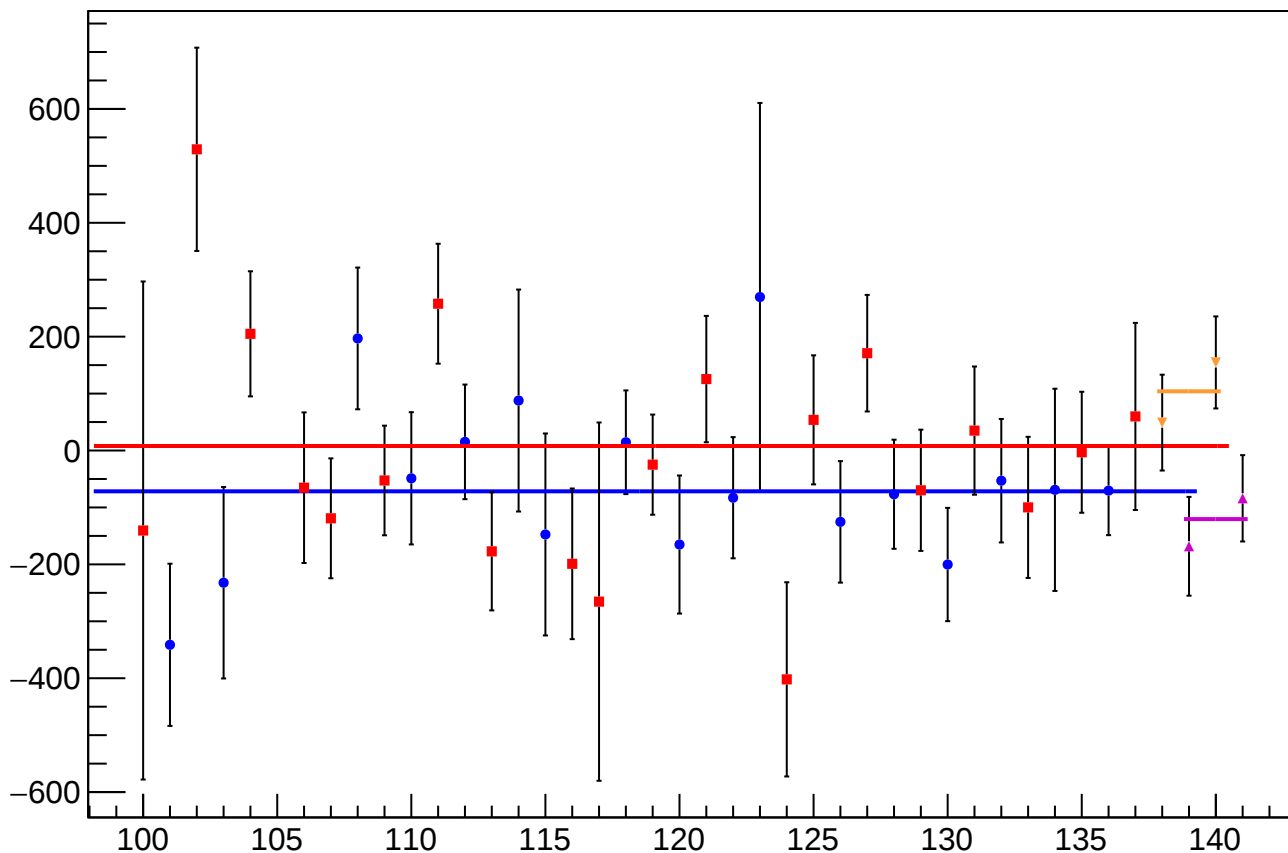
885.686+/-0.507 χ^2/NDF : 1494.2/1

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

921.184+/-0.520 χ^2/NDF : 953.6/1

Left In: 921.184+/-0.520 χ^2/NDF : 953.6/1

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 χ^2/NDF : 15.2/16

Left Out: 103.991 ± 58.314 χ^2/NDF : 0.8/1

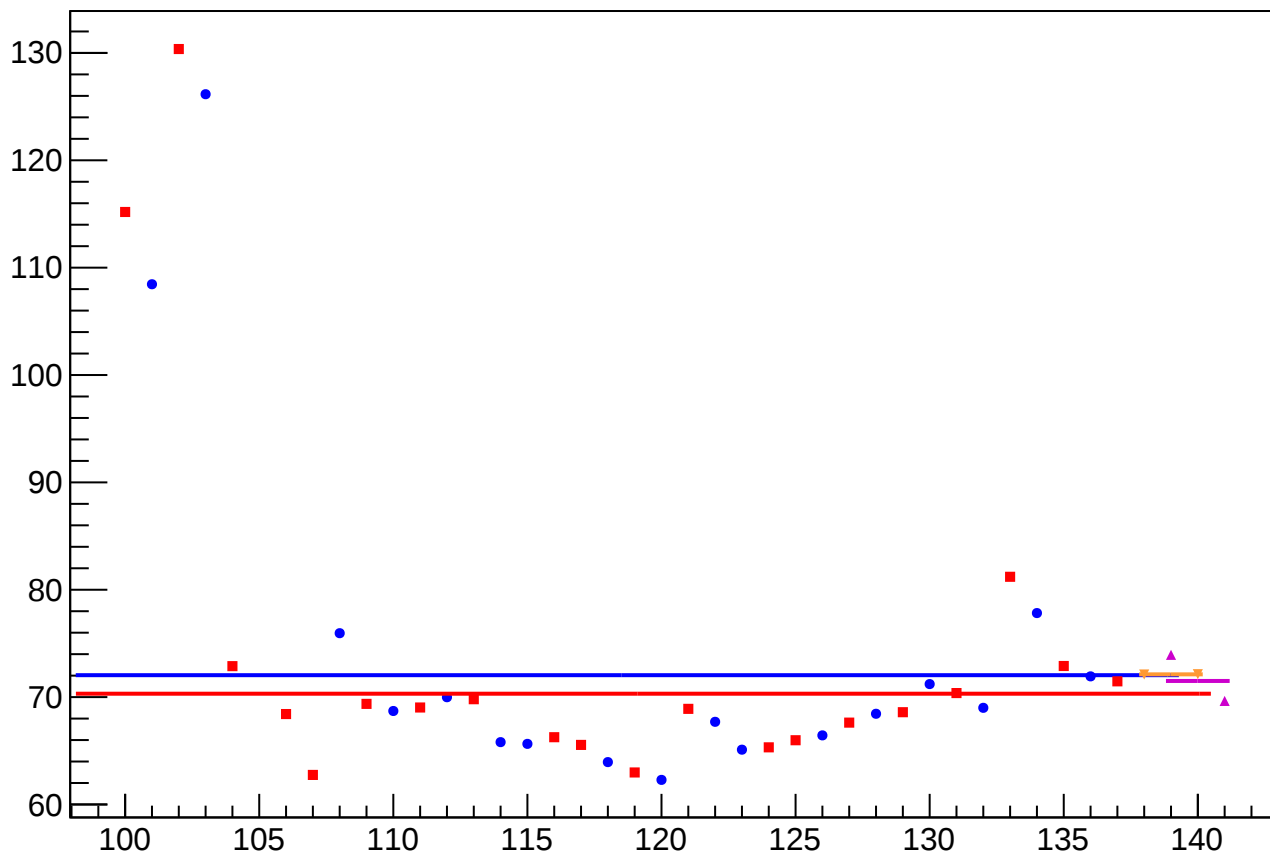
Right Out: 7.933 ± 26.719 χ^2/NDF : 37.2/19

Left In: -120.445 ± 57.103 χ^2/NDF : 0.5/1

-38.072 ± 25.503 χ^2/NDF : 23.4/18

-15.126 ± 24.201 χ^2/NDF : 41.9/21

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 72.120 $\pm$ 0.041 χ^2 /NDF:0.1/1

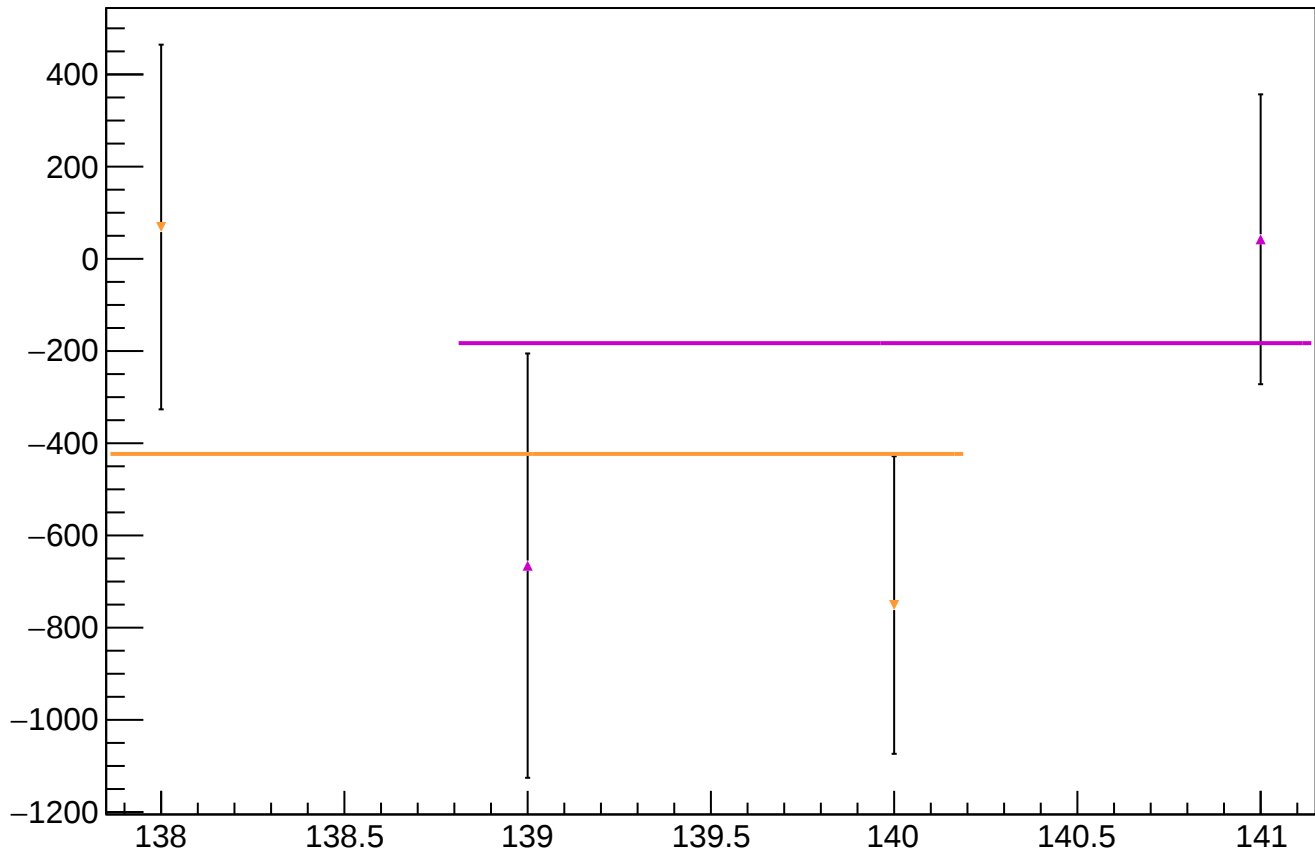
Right Out: 70.316 $\pm$ 0.019 χ^2 /NDF: 299468.0/19

Left In: 71.504 $\pm$ 0.040 χ^2 /NDF:2775.4/1

72.057 $\pm$ 0.018 χ^2 /NDF: 391974.6/18

70.530 $\pm$ 0.017 χ^2 /NDF: 302952.8/21

asym_sam7_correction_mean vs Slug



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

Left Out: -423.138+/-250.057 χ^2/NDF : 2.6/1

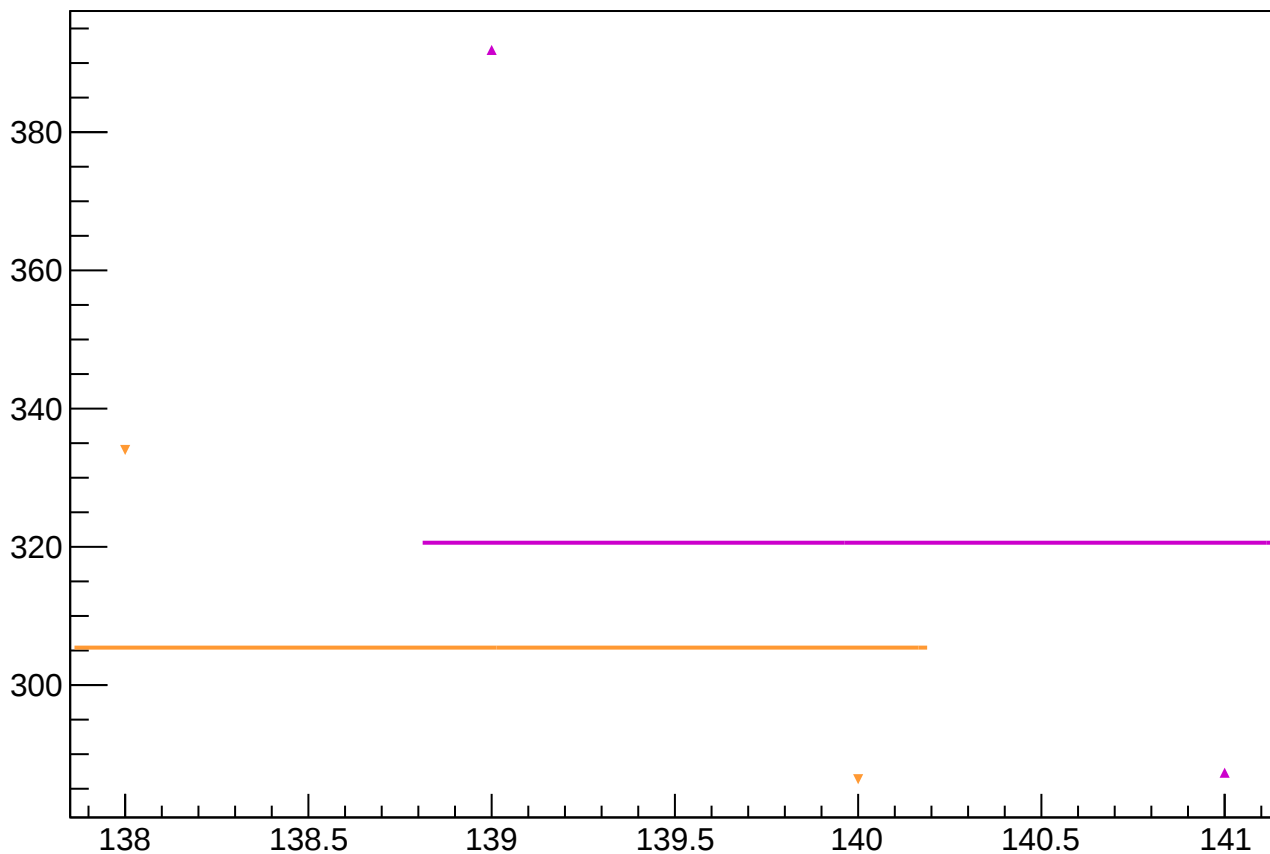
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -182.830+/-259.589 χ^2/NDF : 1.6/1

-423.138+/-250.057 χ^2/NDF : 2.6/1

-182.830+/-259.589 χ^2/NDF : 1.6/1

asym_sam7_correction_rms vs Slug



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

Left Out: 305.420+/-0.177 χ^2/NDF : 17416.9/1

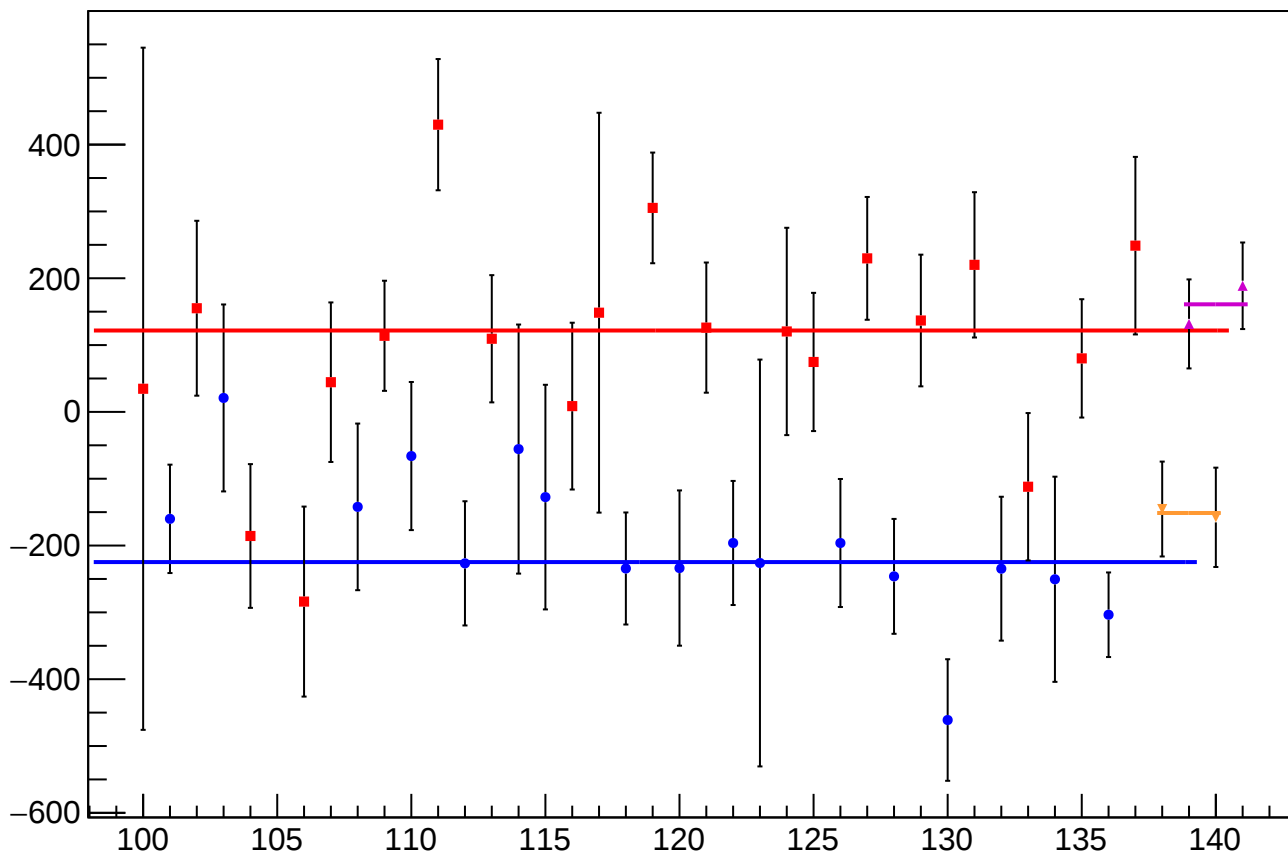
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 320.596+/-0.184 χ^2/NDF : 70421.9/1

305.420+/-0.177 χ^2/NDF : 17416.9/1

320.596+/-0.184 χ^2/NDF : 70421.9/1

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -151.270 ± 51.340 χ^2/NDF : 0.0/1

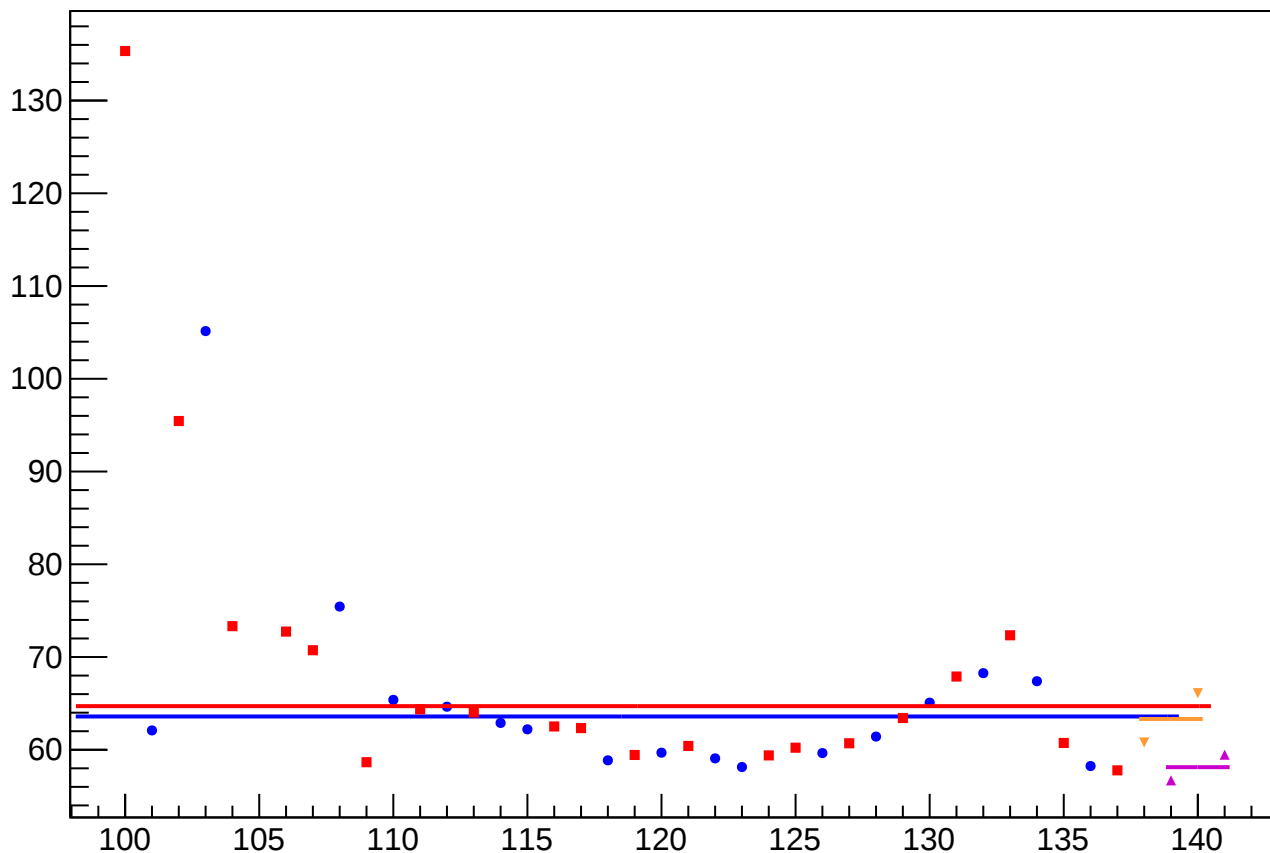
Right Out: 121.814 ± 24.516 χ^2/NDF : 40.5/19

Left In: 161.005 ± 46.438 χ^2/NDF : 0.4/1

-210.756 ± 22.390 χ^2/NDF : 17.6/18

130.356 ± 21.681 χ^2/NDF : 41.4/21

reg_asym_sam8_rms vs Slug



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 63.321+/-0.036 χ^2/NDF : 5351.1/1

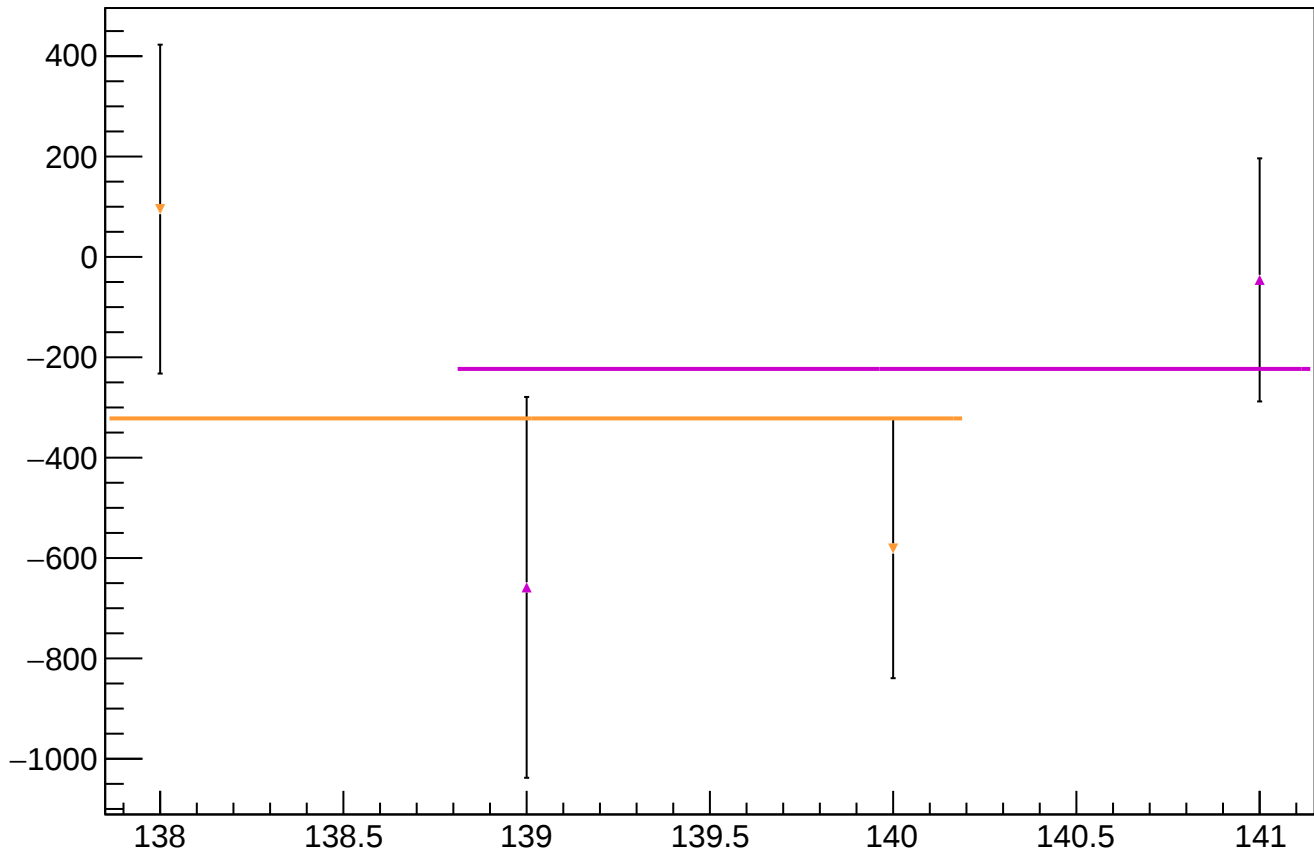
Right Out: 64.704+/-0.017 χ^2/NDF : 227632.6/19

Left In: 58.125+/-0.033 χ^2/NDF : 1775.3/1

63.538+/-0.016 χ^2/NDF : 239996.3/18

63.270+/-0.015 χ^2/NDF : 260803.7/21

asym_sam8_correction_mean vs Slug



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

Left Out: -321.805+/-202.877 χ^2/NDF : 2.6/1

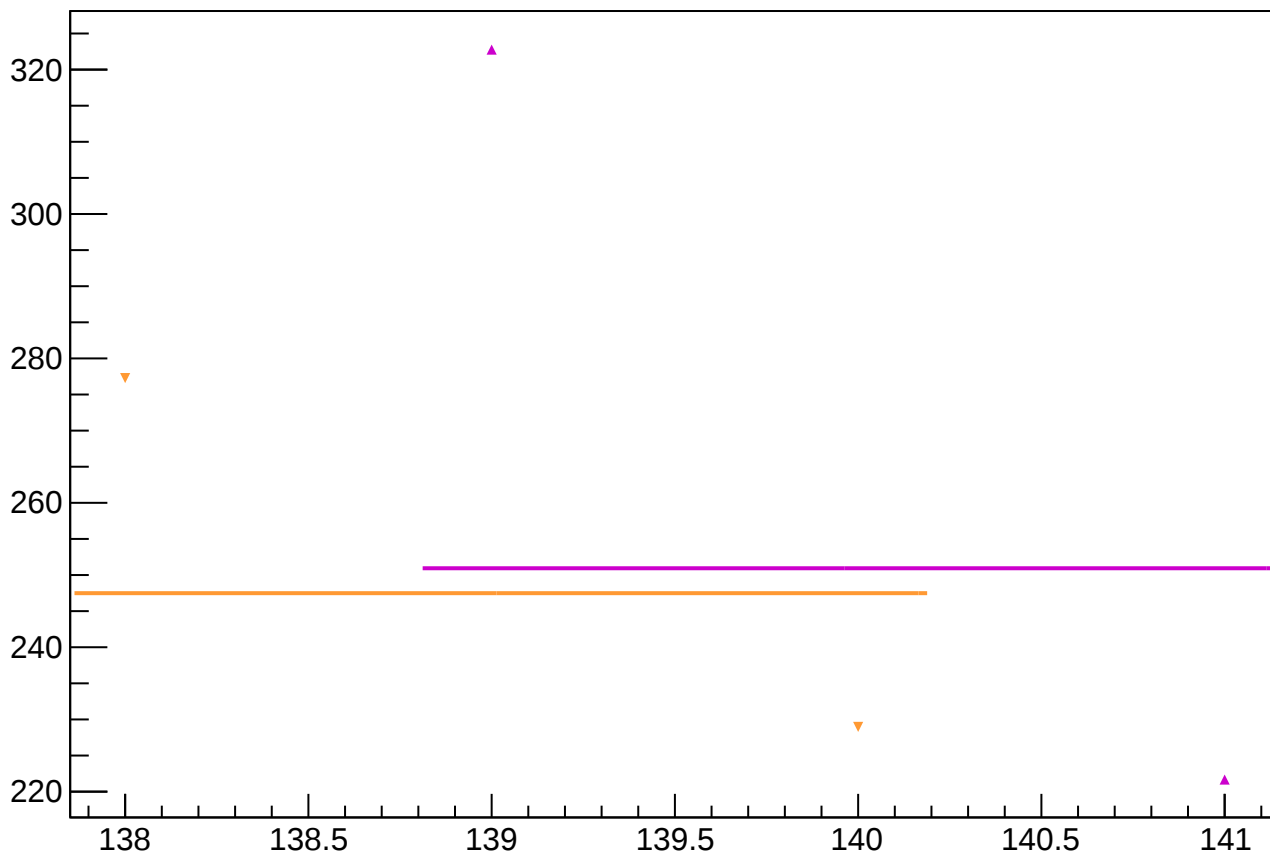
-321.805+/-202.877 χ^2/NDF : 2.6/1

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

-223.152+/-204.148 χ^2/NDF : 1.9/1

Left In: -223.152+/-204.148 χ^2/NDF : 1.9/1

asym_sam8_correction_rms vs Slug



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

Left Out: 247.488+/-0.143 χ^2/NDF : 26807.9/1

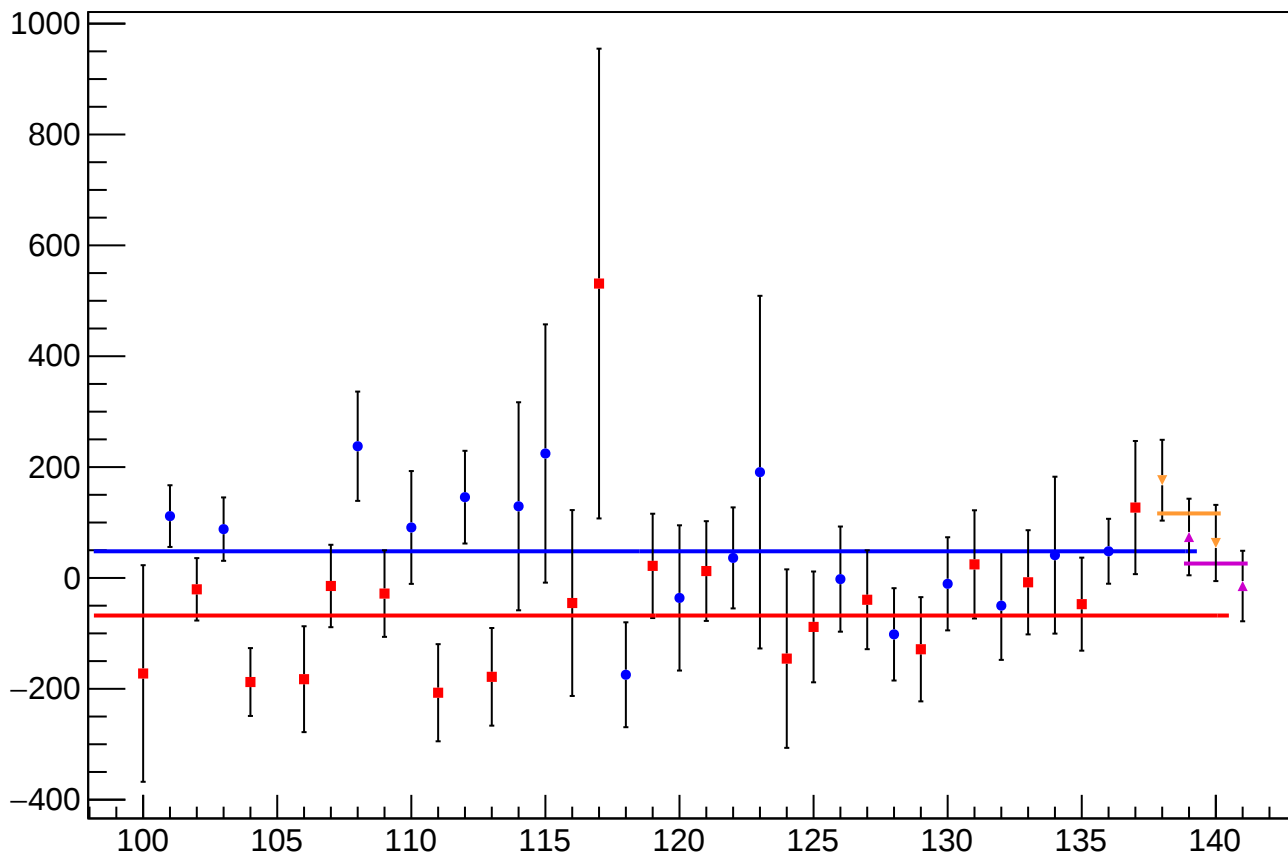
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 250.938+/-0.144 χ^2/NDF : 100876.4/1

247.488+/-0.143 χ^2/NDF : 26807.9/1

250.938+/-0.144 χ^2/NDF : 100876.4/1

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109 ± 21.510 χ^2/NDF : 19.0/16

Left Out: 116.383 ± 50.004 χ^2/NDF : 1.3/1

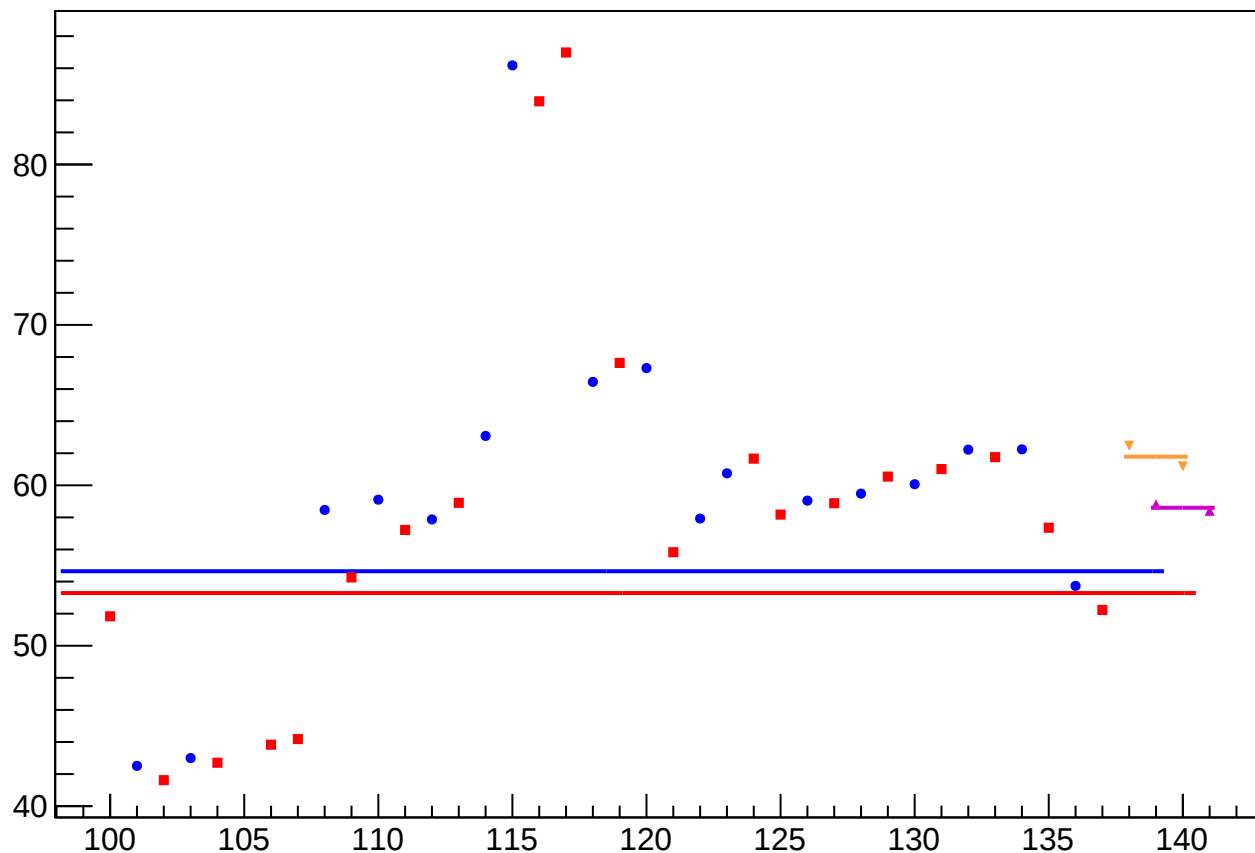
Right Out: -67.767 ± 20.383 χ^2/NDF : 19.7/19

Left In: 26.008 ± 46.787 χ^2/NDF : 0.9/1

58.770 ± 19.759 χ^2/NDF : 21.8/18

-52.807 ± 18.687 χ^2/NDF : 23.9/21

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 61.785 $\pm$ 0.035 χ^2 /NDF:330.2/1

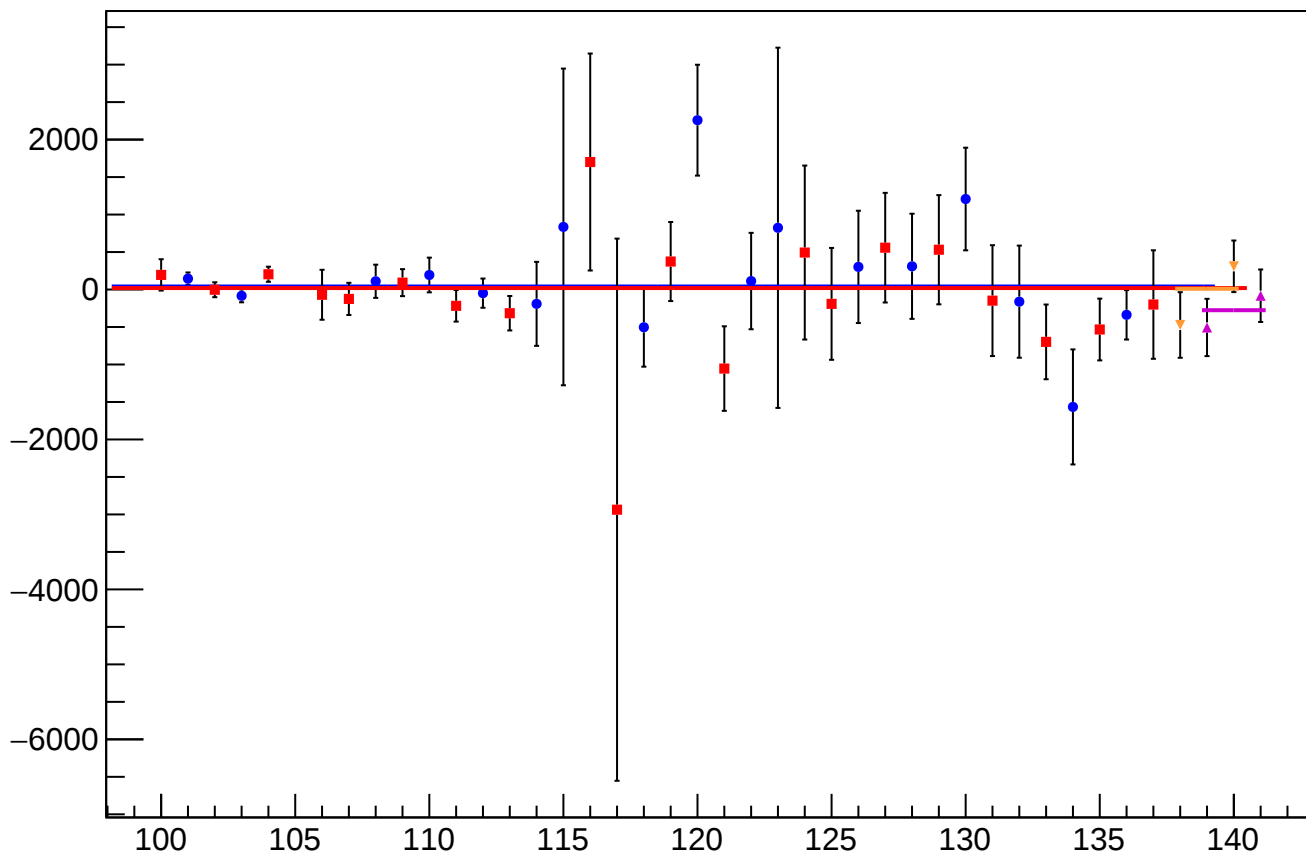
Right Out: 53.285 $\pm$ 0.014 χ^2 /NDF: 398973.0/19

Left In: 58.601 $\pm$ 0.033 χ^2 /NDF:37.7/1

55.760 $\pm$ 0.014 χ^2 /NDF: 354040.2/18

54.133 $\pm$ 0.013 χ^2 /NDF: 420713.2/21

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: 10.506 $\pm$ 270.449 χ^2 /NDF:2.0/1

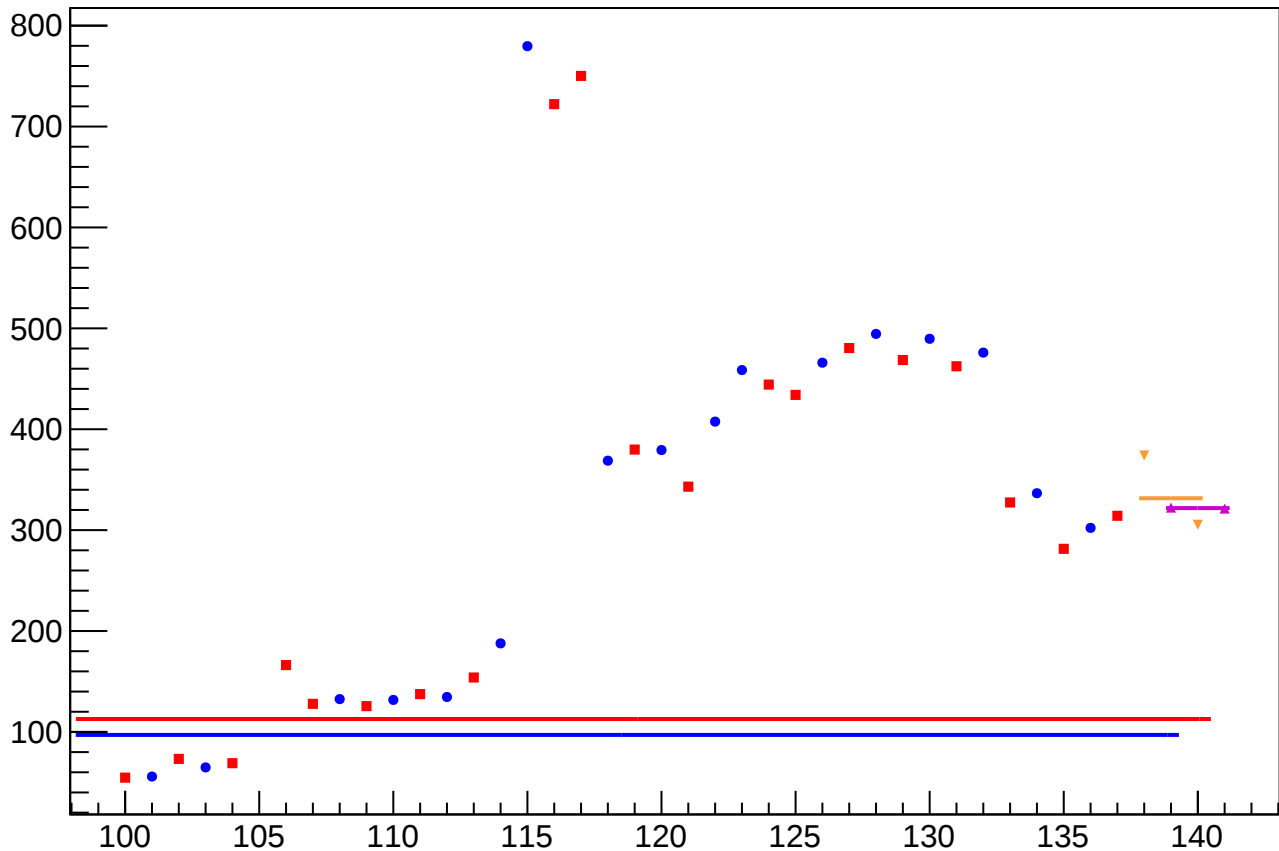
Right Out: 19.590 $\pm$ 53.268 χ^2 /NDF: 19.6/19

Left In: -275.800 $\pm$ 258.130 χ^2 /NDF:0.7/1

39.166 $\pm$ 50.631 χ^2 /NDF: 25.9/18

7.525 $\pm$ 52.169 χ^2 /NDF: 21.5/21

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 331.570+/-0.191 χ^2/NDF : 30449.1/1

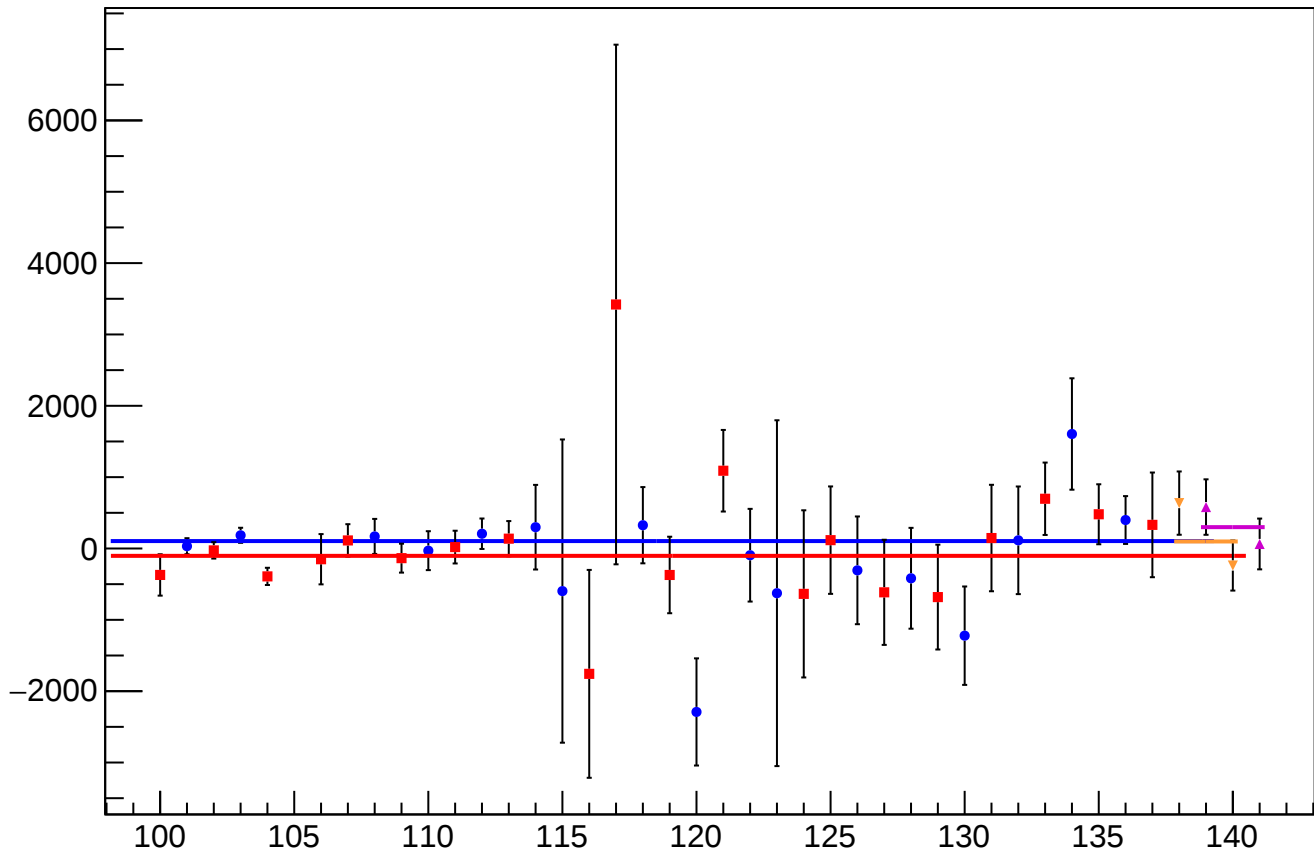
Right Out: 112.792+/-0.038 χ^2/NDF : 5098459.2/19

Left In: 321.835+/-0.183 χ^2/NDF : 7.0/1

105.259+/-0.036 χ^2/NDF : 7301493.0/18

121.330+/-0.037 χ^2/NDF : 6356554.9/21

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 98.338 $\pm$ 275.353 χ^2 /NDF: 2.4/1

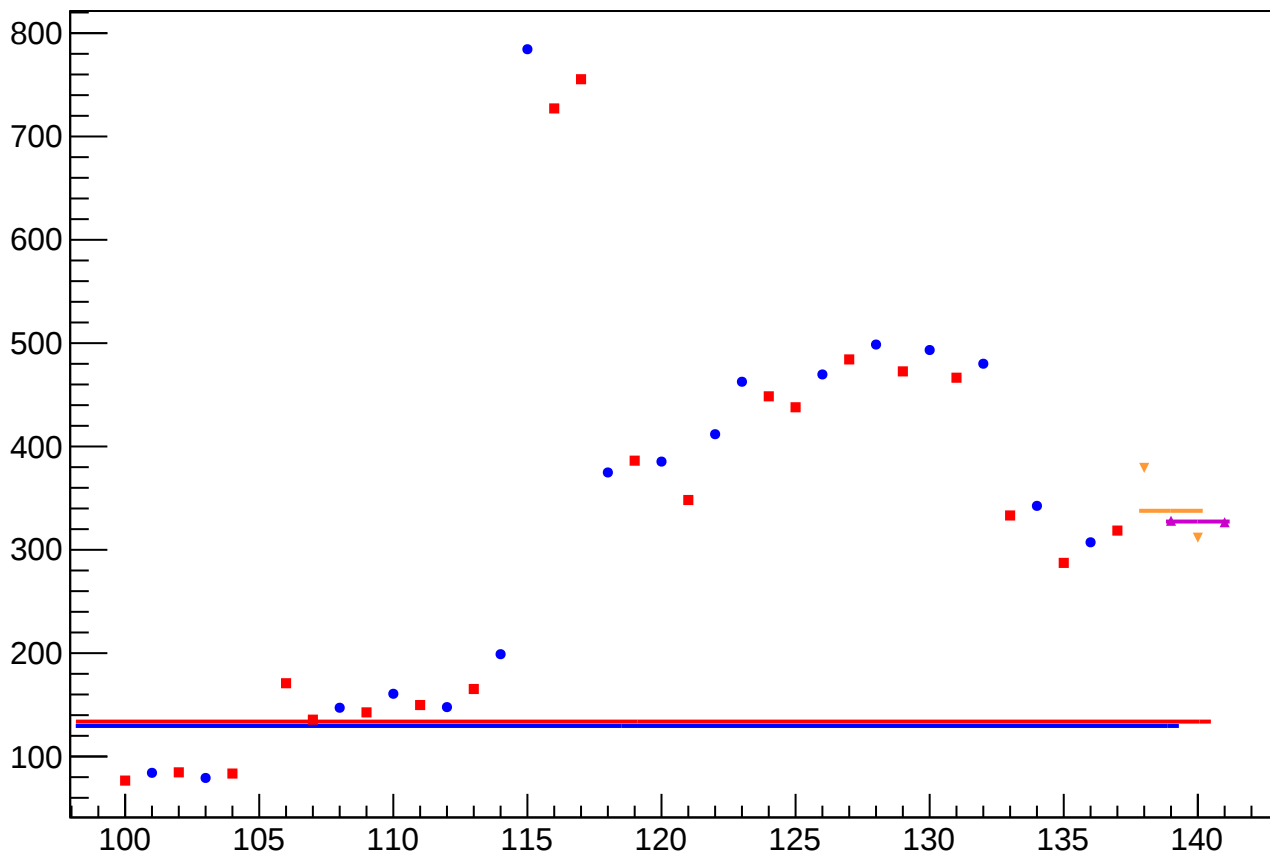
Right Out: -103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

Left In: 299.275 $\pm$ 262.483 χ^2 /NDF: 1.0/1

103.718 $\pm$ 61.558 χ^2 /NDF: 23.7/18

-82.632 $\pm$ 59.277 χ^2 /NDF: 25.5/21

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 337.773+/-0.195 χ^2/NDF :28500.7/1

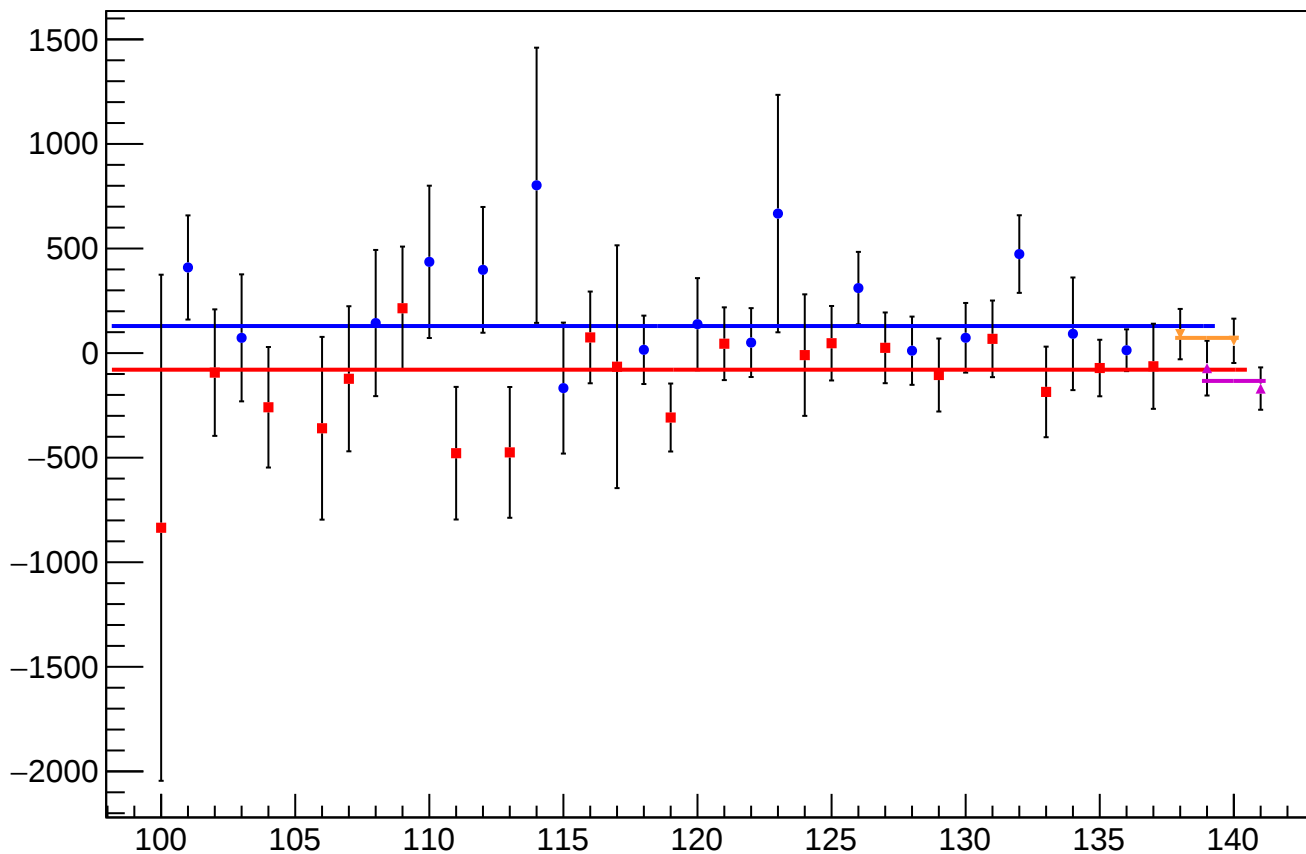
Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

Left In: 327.363+/-0.186 χ^2/NDF :15.0/1

139.958+/-0.044 χ^2/NDF : 5887455.0/18

143.639+/-0.042 χ^2/NDF : 5457064.3/21

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 72.697 $\pm$ 79.556 χ^2 /NDF:0.0/1

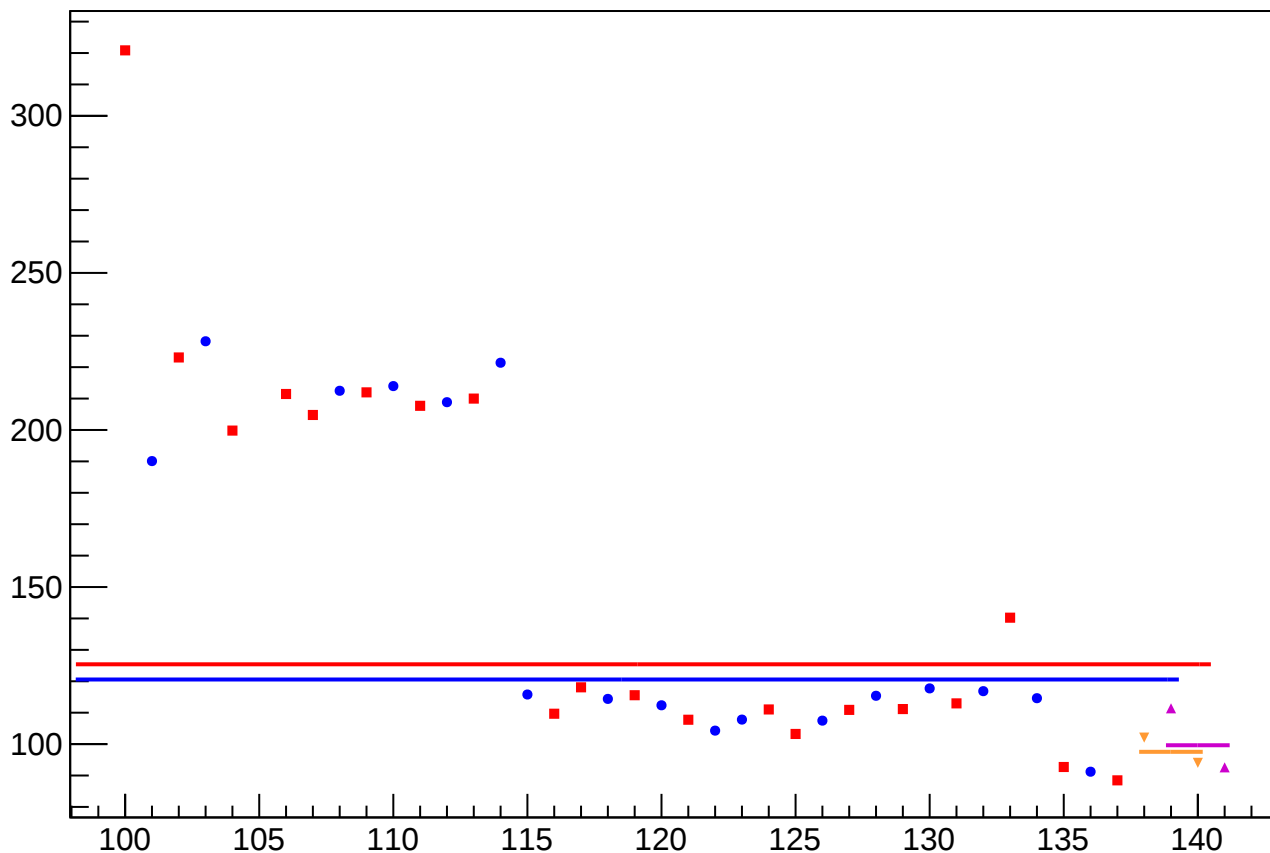
Right Out: -79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

Left In: -133.058 $\pm$ 80.109 χ^2 /NDF:0.3/1

113.748 $\pm$ 41.797 χ^2 /NDF: 13.3/18

-94.298 $\pm$ 42.234 χ^2 /NDF: 10.9/21

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 97.542 $\pm$ 0.056 χ^2 /NDF:5009.9/1

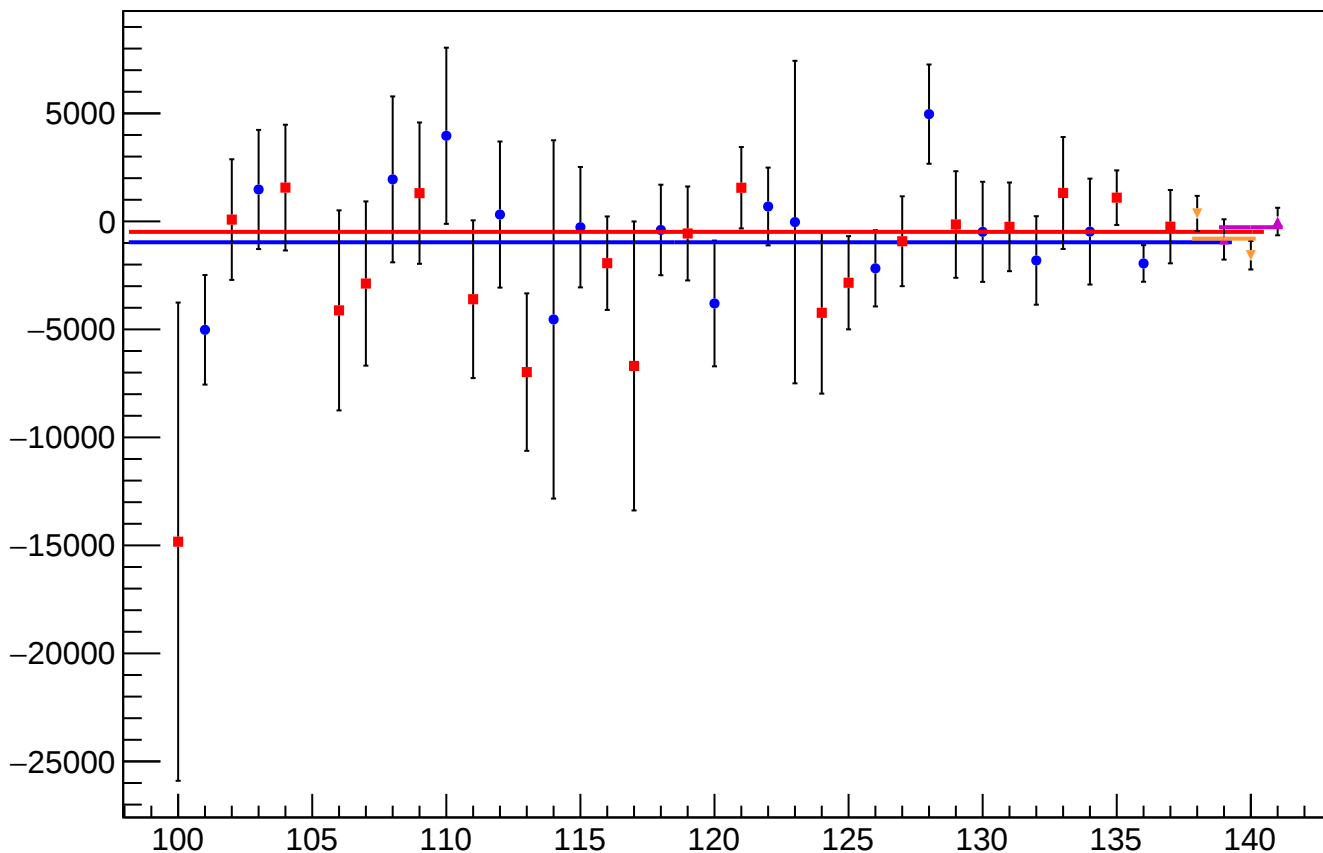
Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

Left In: 99.635 $\pm$ 0.057 χ^2 /NDF:25776.6/1

114.210 $\pm$ 0.030 χ^2 /NDF: 1238357.1/18

118.242 $\pm$ 0.030 χ^2 /NDF: 1509284.5/21

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -797.794+/-512.386 χ^2/NDF : 3.4/1

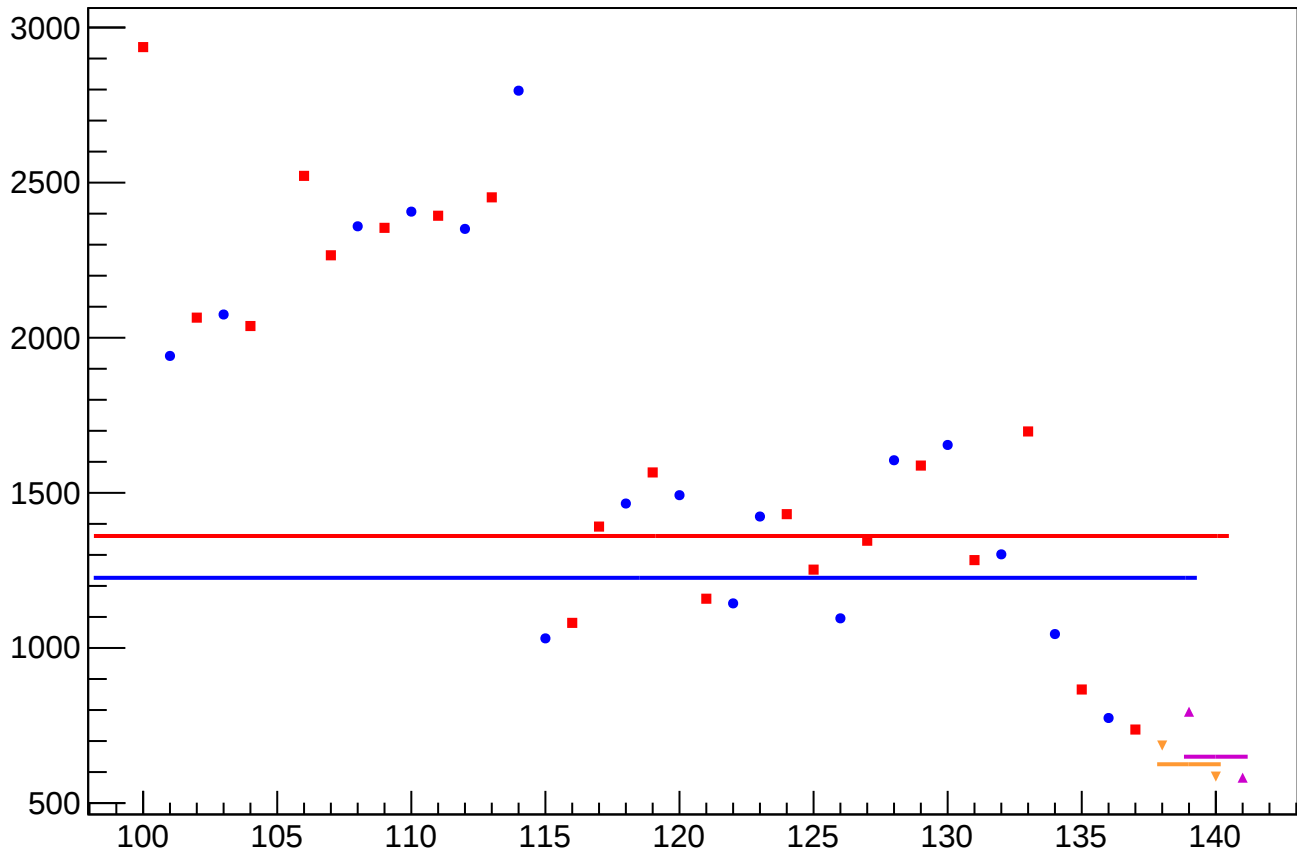
Right Out: -485.654+/-543.567 χ^2/NDF : 14.3/19

Left In: -270.354+/-526.085 χ^2/NDF : 0.5/1

-882.198+/-362.295 χ^2/NDF : 19.8/18

-374.486+/-378.028 χ^2/NDF : 14.9/21

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 625.185+/-0.362 χ^2/NDF :18314.5/1

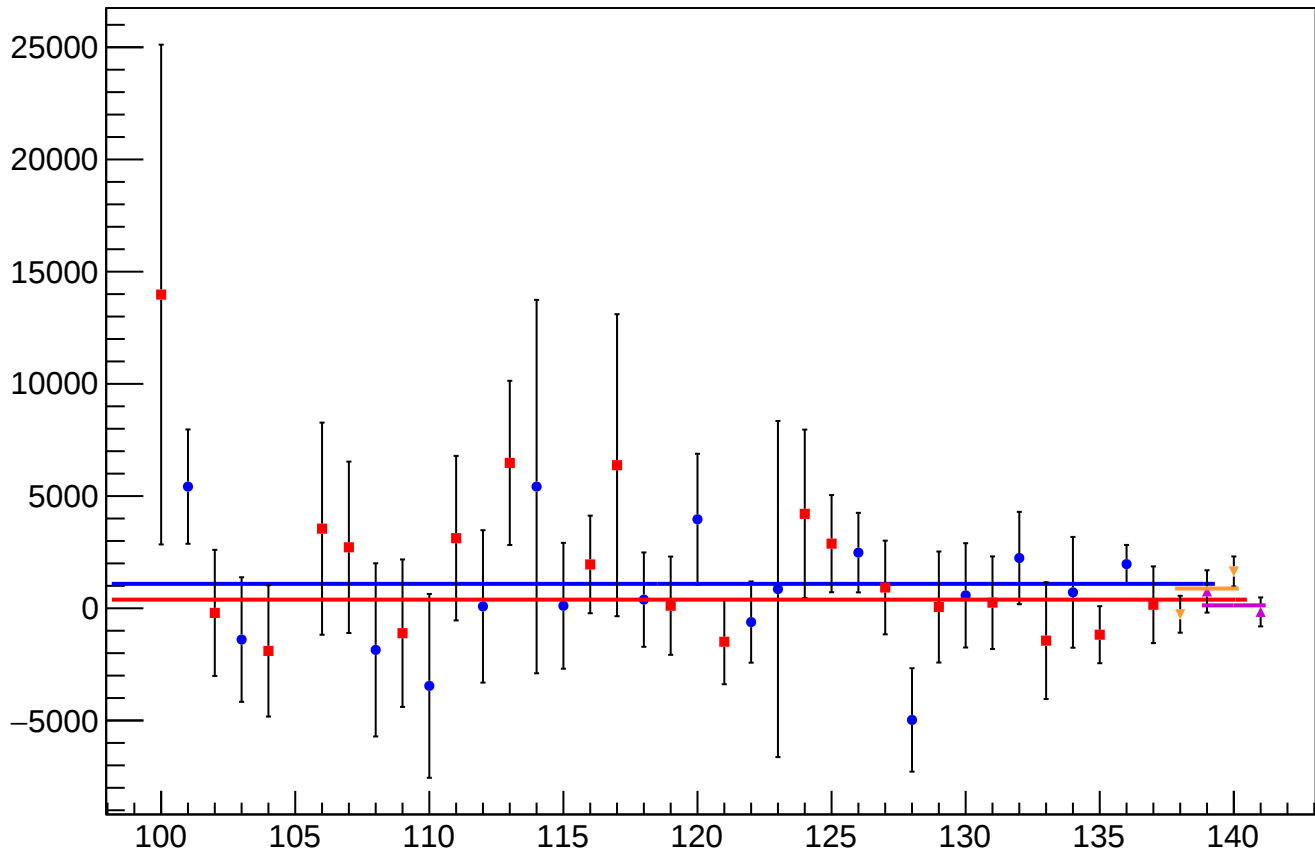
925.687+/-0.256 χ^2/NDF : 3150326.1/18

Right Out: 1360.972+/-0.384 χ^2/NDF : 1749116.2/19

993.620+/-0.267 χ^2/NDF : 3589020.9/21

Left In: 649.517+/-0.372 χ^2/NDF :70801.0/1

asym_sam_26_avg_mean vs Slug



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 880.867+/-518.635 χ^2/NDF : 3.2/1

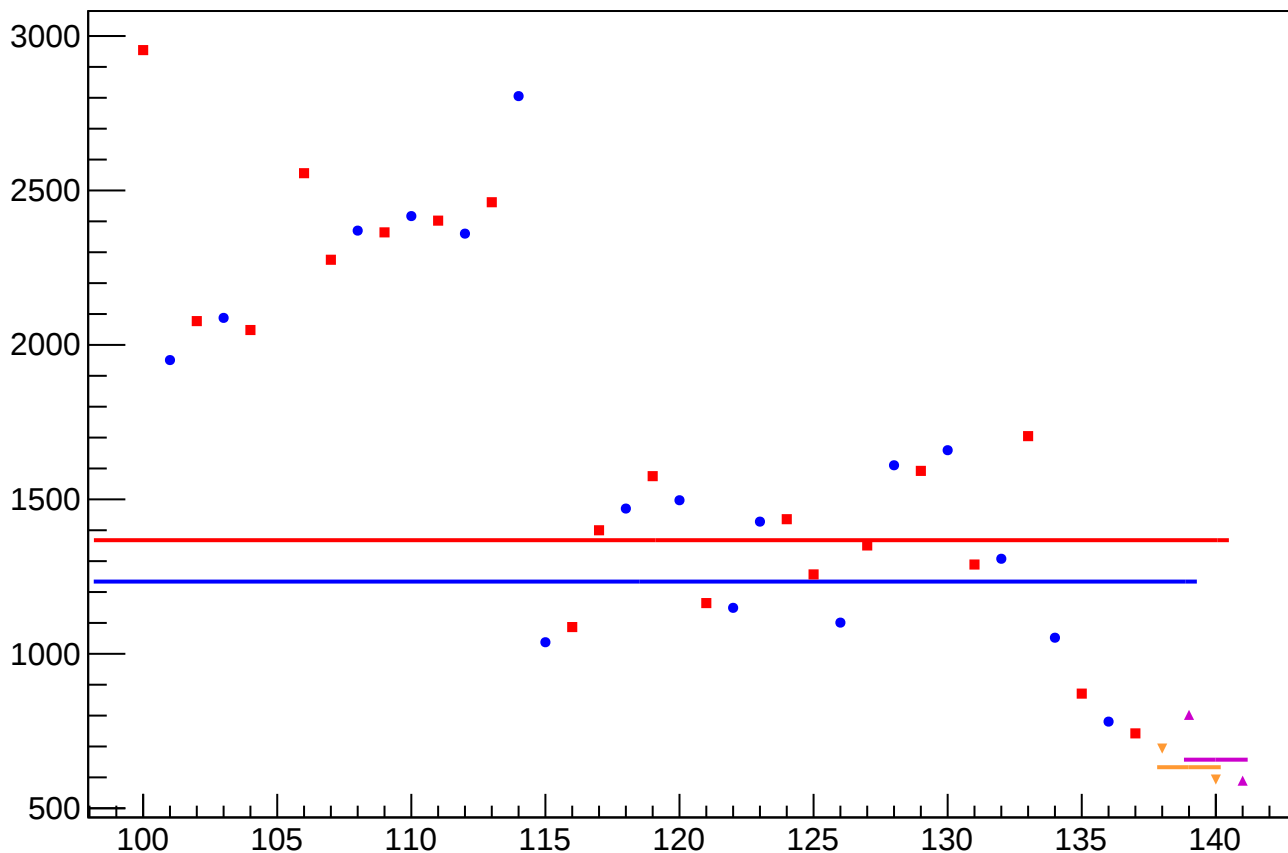
Right Out: 385.391+/-546.382 χ^2/NDF : 13.3/19

Left In: 130.002+/-532.277 χ^2/NDF : 0.6/1

985.644+/-365.535 χ^2/NDF : 20.3/18

254.358+/-381.266 χ^2/NDF : 14.0/21

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 632.907+/-0.367 χ^2/NDF : 17919.1/1

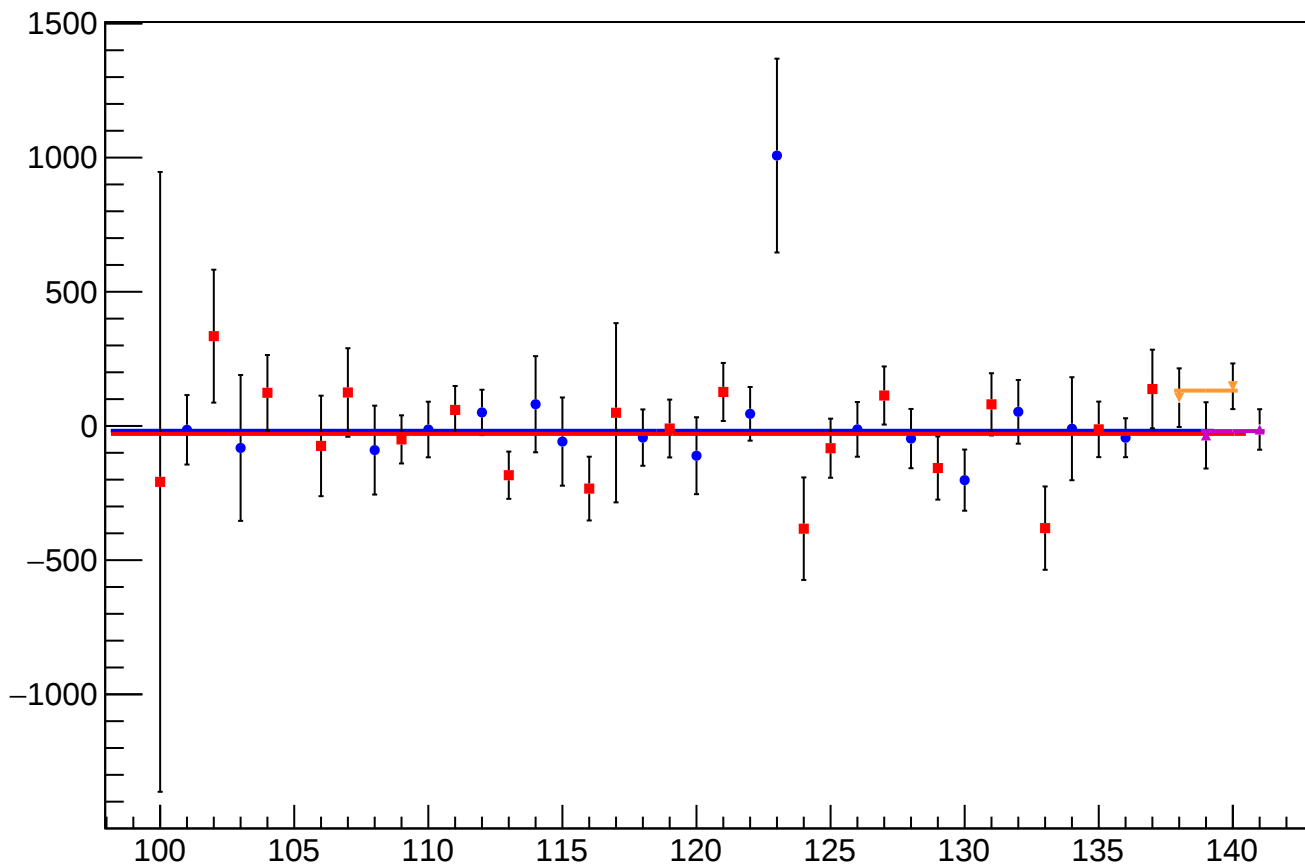
Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

Left In: 657.308+/-0.376 χ^2/NDF : 69564.7/1

935.339+/-0.258 χ^2/NDF : 3113347.2/18

1003.276+/-0.270 χ^2/NDF : 3549458.3/21

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 131.866 ± 67.153 χ^2/NDF : 0.1/1

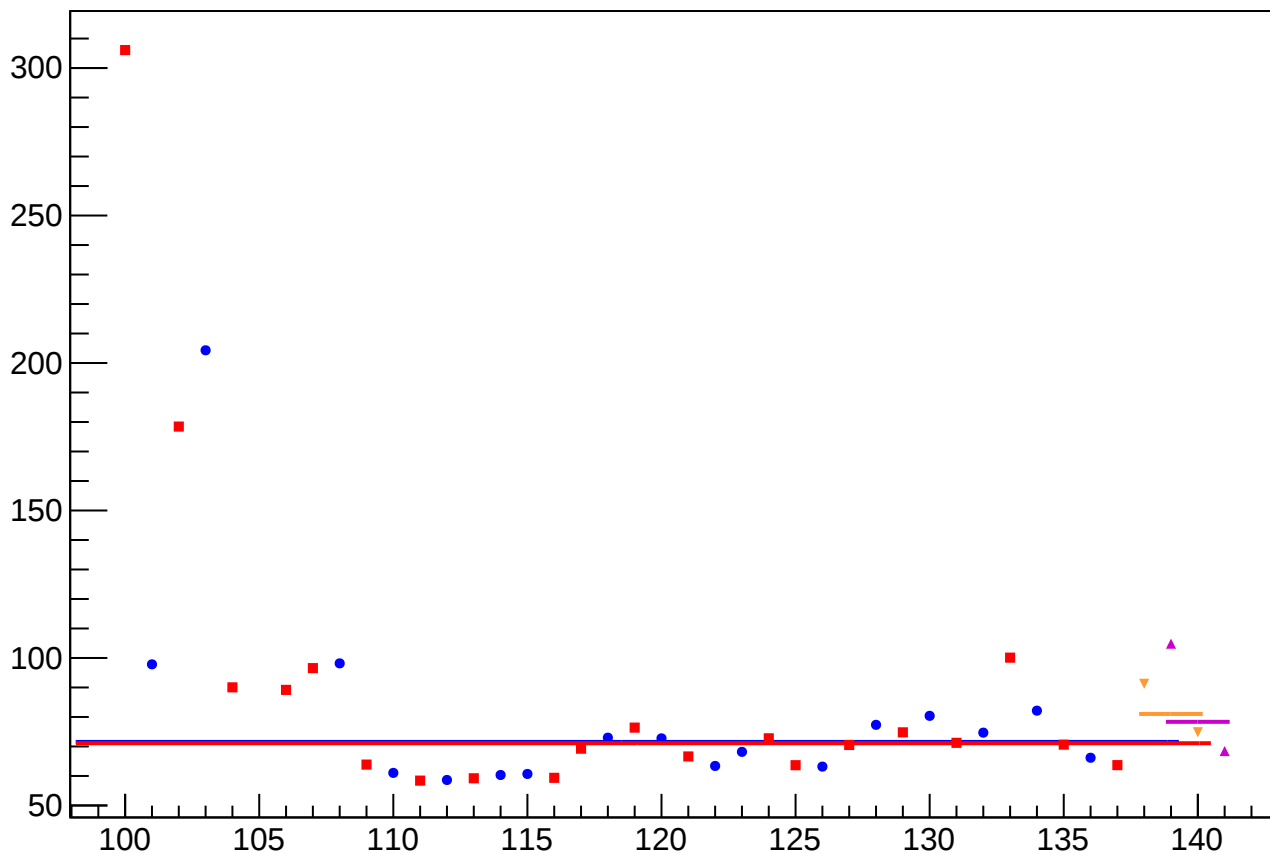
Right Out: -29.517 ± 27.879 χ^2/NDF : 27.5/19

Left In: -19.035 ± 64.402 χ^2/NDF : 0.0/1

5.372 ± 26.506 χ^2/NDF : 17.7/18

-27.863 ± 25.584 χ^2/NDF : 27.5/21

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 81.025+/-0.047 χ^2/NDF : 28102.4/1

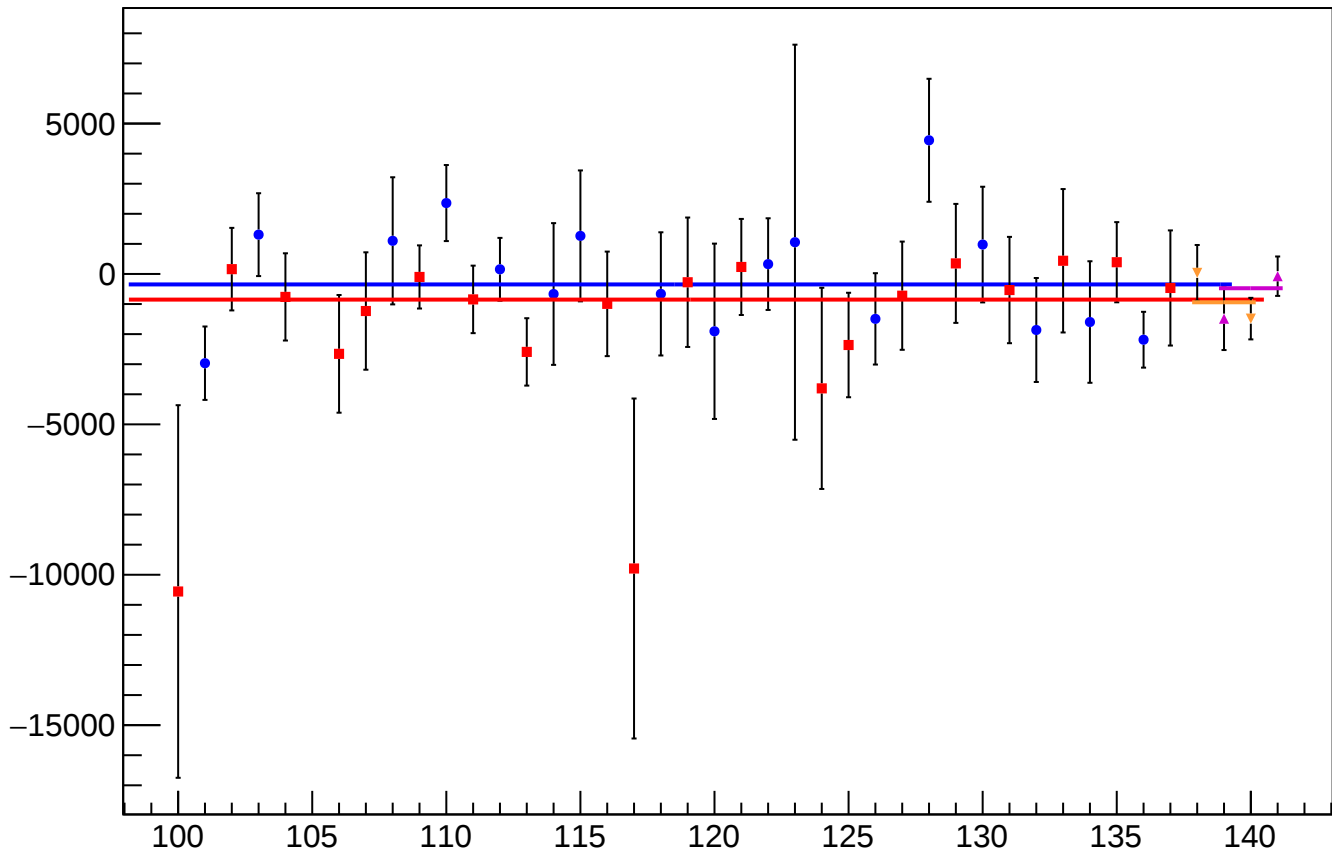
Right Out: 71.102+/-0.020 χ^2/NDF : 765220.8/19

Left In: 78.353+/-0.046 χ^2/NDF : 126517.1/1

73.014+/-0.019 χ^2/NDF : 820774.8/18

72.246+/-0.018 χ^2/NDF : 913091.9/21

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 ± 381.994 χ^2/NDF : 24.1/16

Left Out: -941.436 ± 553.806 χ^2/NDF : 1.7/1

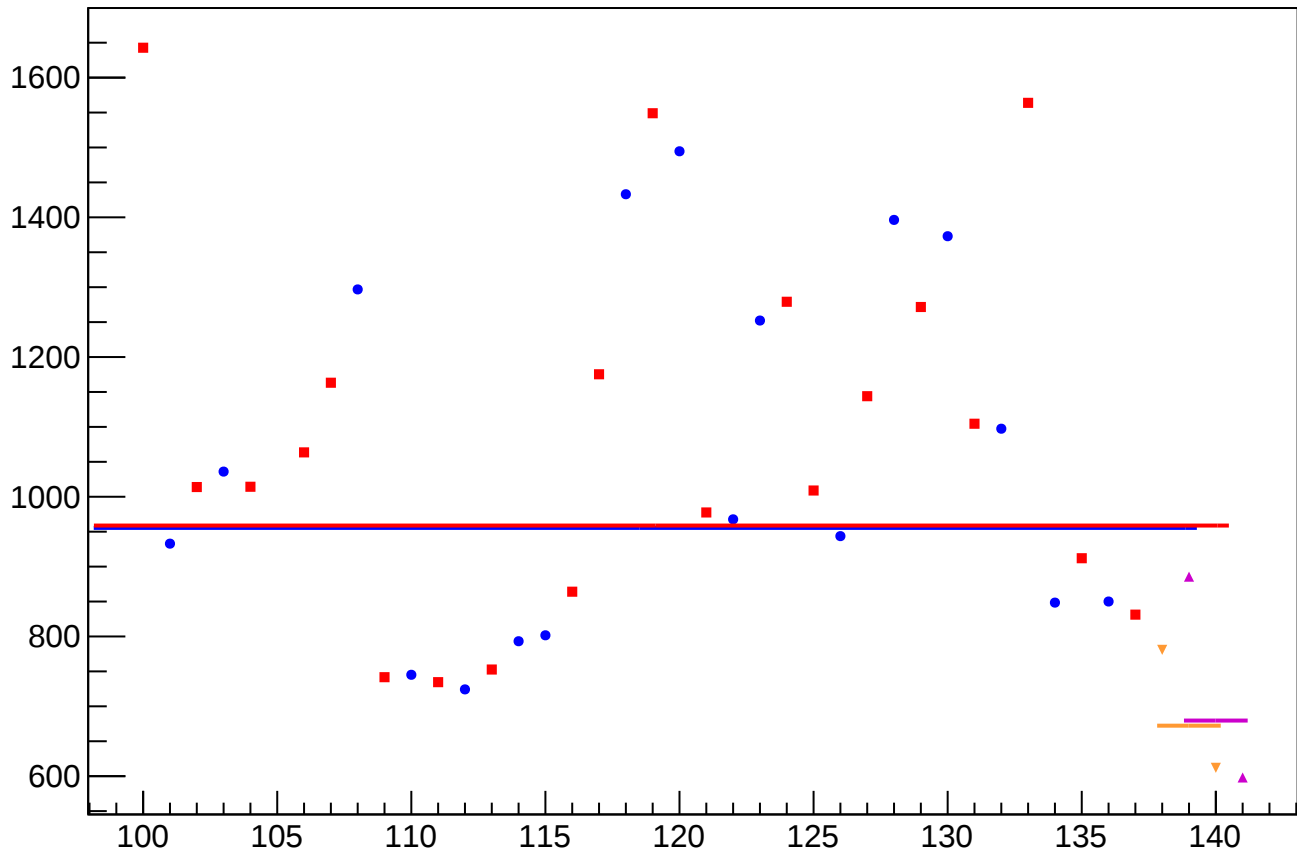
Right Out: -852.433 ± 369.018 χ^2/NDF : 13.0/19

Left In: -474.902 ± 554.550 χ^2/NDF : 1.3/1

-539.275 ± 314.447 χ^2/NDF : 26.6/18

-736.567 ± 307.216 χ^2/NDF : 14.6/21

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 672.286+/-0.392 χ^2/NDF :42694.6/1

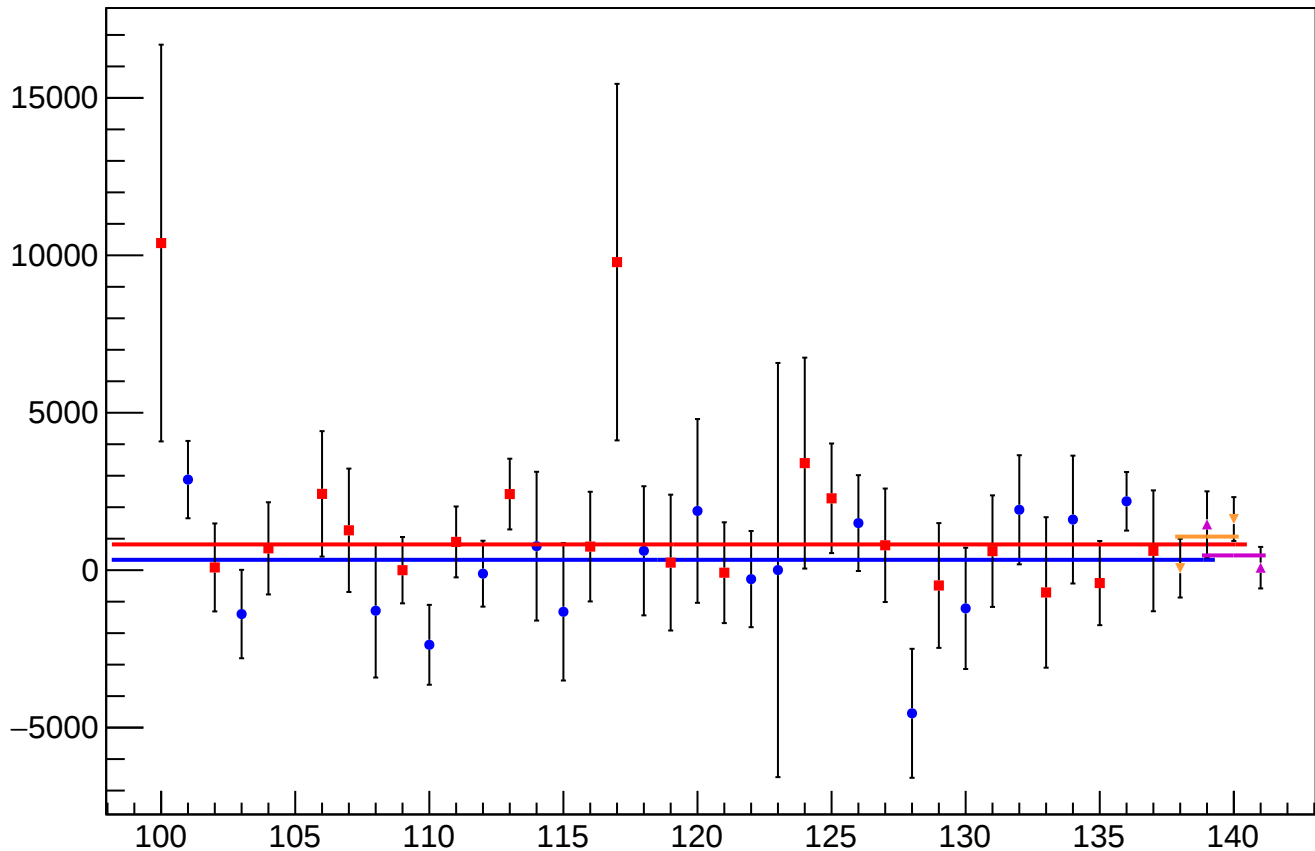
Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

Left In: 679.613+/-0.392 χ^2/NDF :109158.5/1

864.145+/-0.222 χ^2/NDF : 1043445.0/18

873.099+/-0.217 χ^2/NDF : 1156473.3/21

asym_sam_37_avg_mean vs Slug



Right In: 329.164+/-383.728 χ^2/NDF : 24.3/16

Left Out: 1066.821+/-557.971 χ^2/NDF : 1.8/1

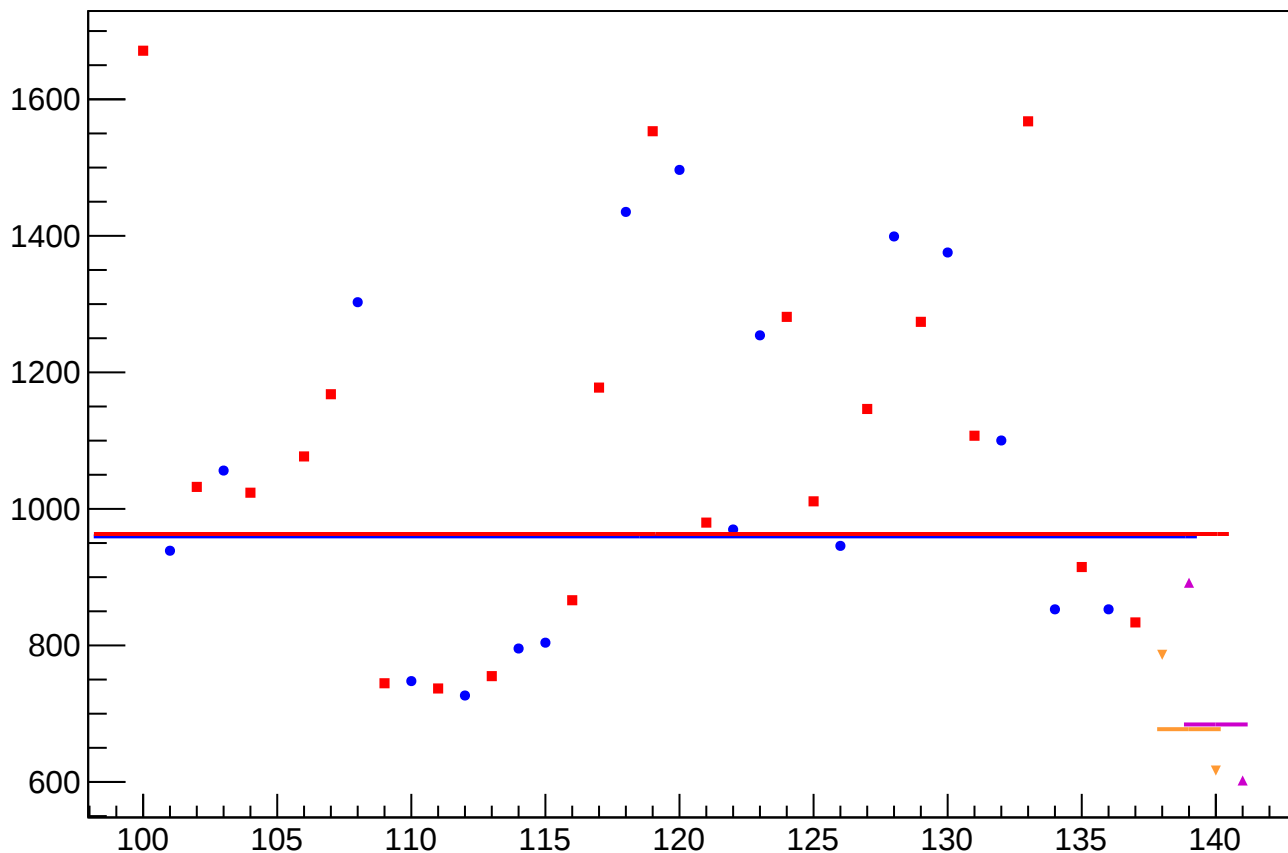
Right Out: 818.253+/-370.875 χ^2/NDF : 11.8/19

Left In: 469.153+/-558.352 χ^2/NDF : 1.2/1

566.022+/-316.176 χ^2/NDF : 27.3/18

711.381+/-308.933 χ^2/NDF : 13.3/21

asym_sam_37_avg_rms vs Slug



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 677.317+/-0.395 χ^2/NDF : 42435.0/1

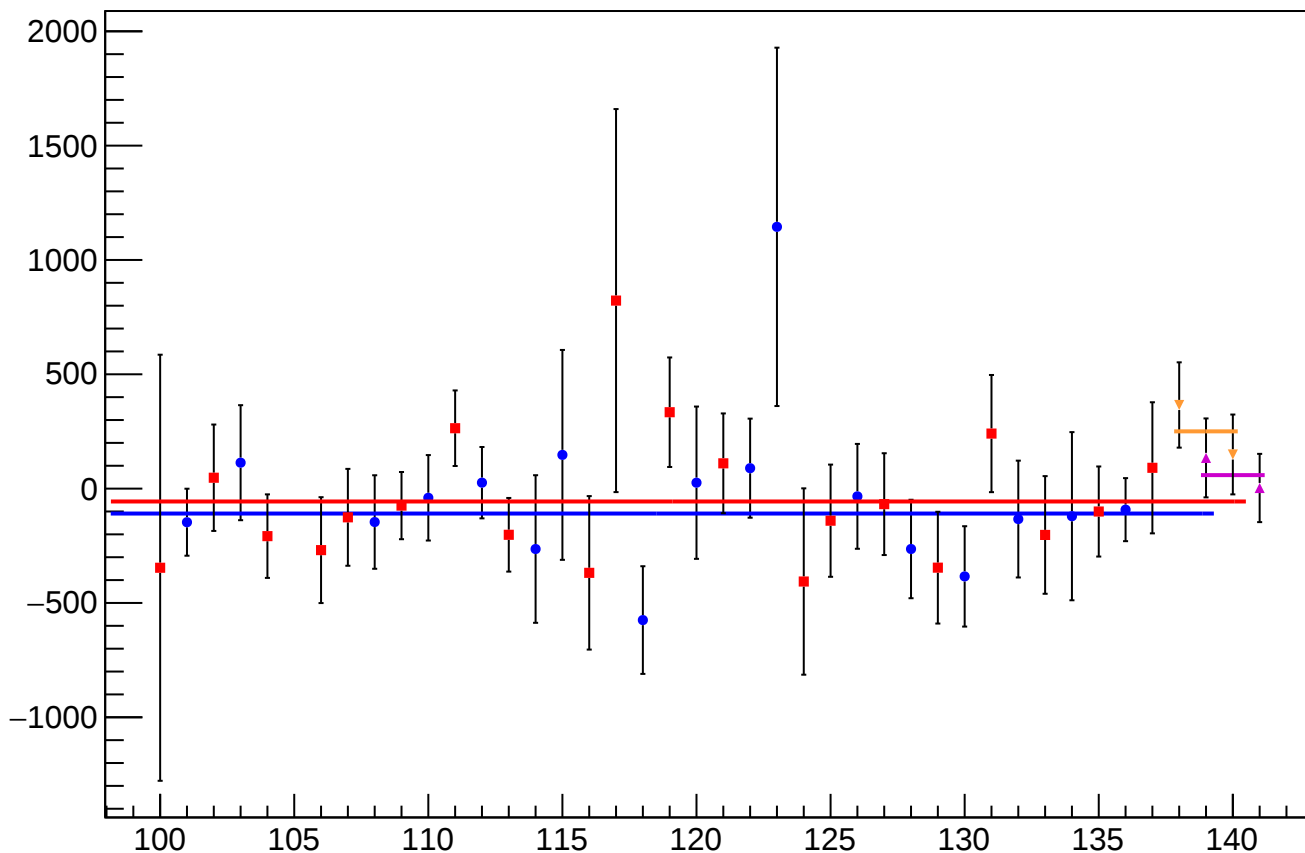
Right Out: 963.238+/-0.262 χ^2/NDF : 698638.3/19

Left In: 684.234+/-0.395 χ^2/NDF : 109309.2/1

869.076+/-0.224 χ^2/NDF : 1037107.9/18

877.825+/-0.218 χ^2/NDF : 1154452.6/21

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 250.428 ± 127.471 χ^2/NDF : 0.7/1

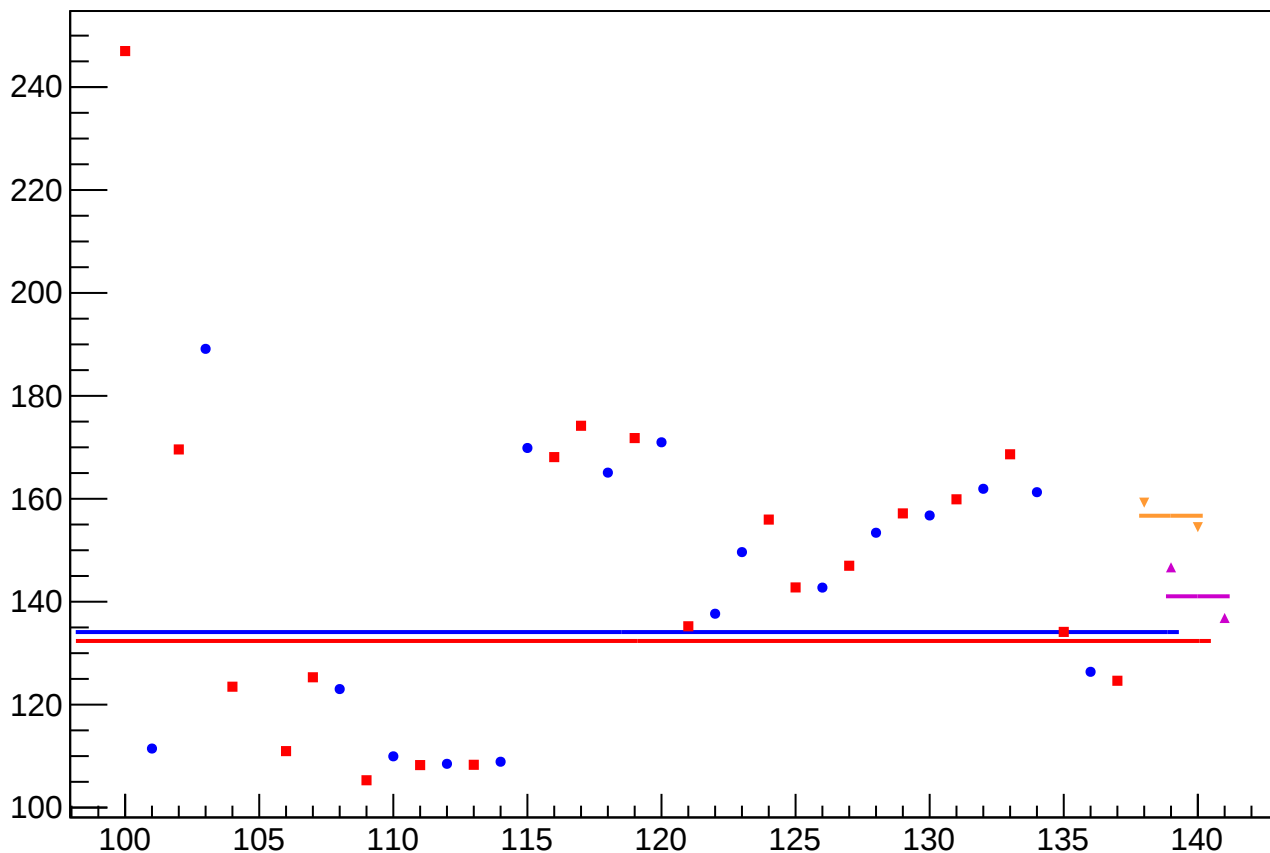
Right Out: -56.241 ± 50.729 χ^2/NDF : 16.0/19

Left In: 59.062 ± 112.904 χ^2/NDF : 0.3/1

-56.135 ± 48.878 χ^2/NDF : 19.5/18

-36.874 ± 46.273 χ^2/NDF : 17.2/21

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 156.707+/-0.090 χ^2/NDF : 695.5/1

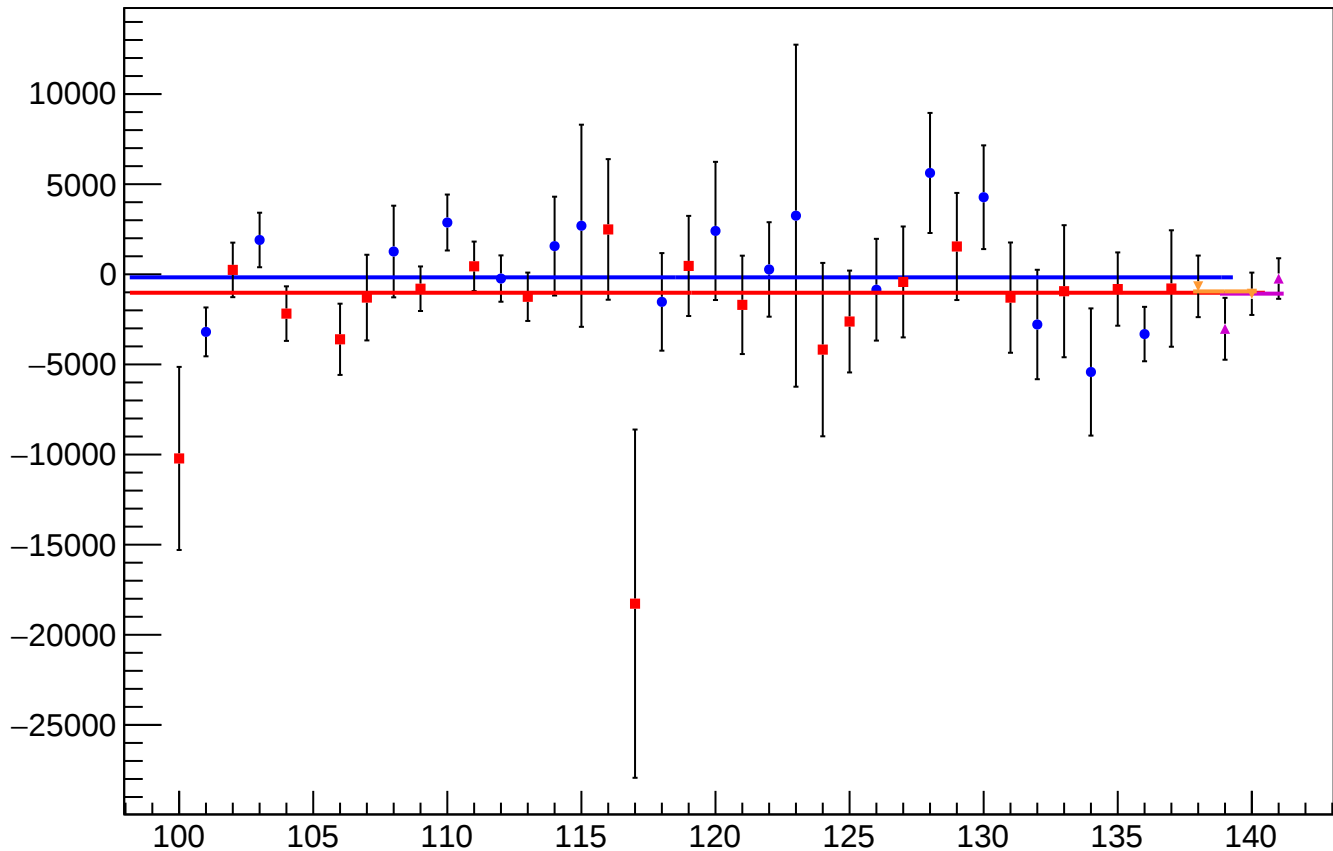
Right Out: 132.373+/-0.036 χ^2/NDF : 446741.9/19

Left In: 141.053+/-0.080 χ^2/NDF : 3721.1/1

137.427+/-0.035 χ^2/NDF : 456920.6/18

133.831+/-0.033 χ^2/NDF : 460298.2/21

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237+/-523.672 χ^2/NDF : 25.3/16

Left Out: -948.145+/-967.889 χ^2/NDF : 0.0/1

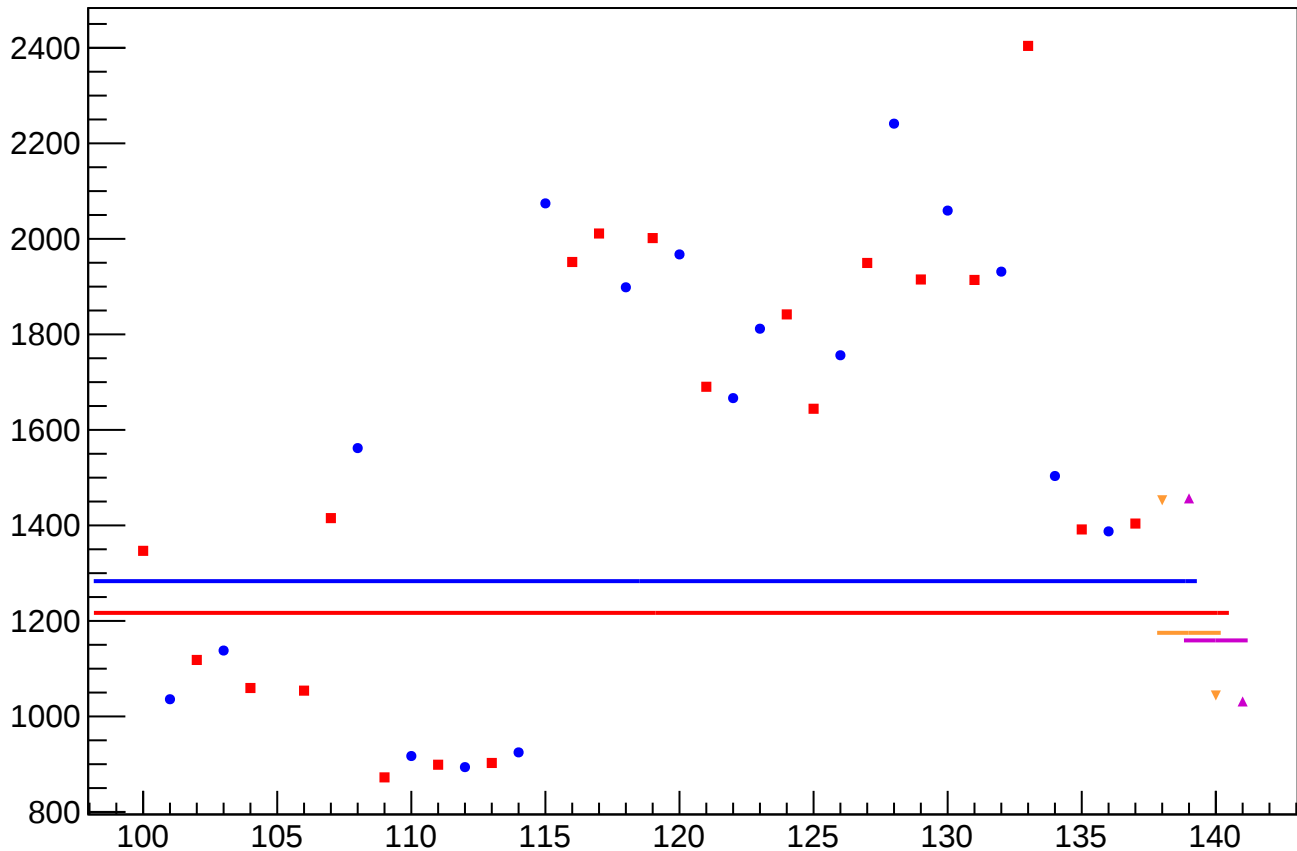
-344.842+/-460.581 χ^2/NDF : 25.9/18

Right Out: -1023.271+/-480.373 χ^2/NDF : 13.4/19

-1033.494+/-427.869 χ^2/NDF : 15.2/21

Left In: -1072.739+/-941.219 χ^2/NDF : 1.8/1

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1175.094+/-0.684 χ^2/NDF : 77727.3/1

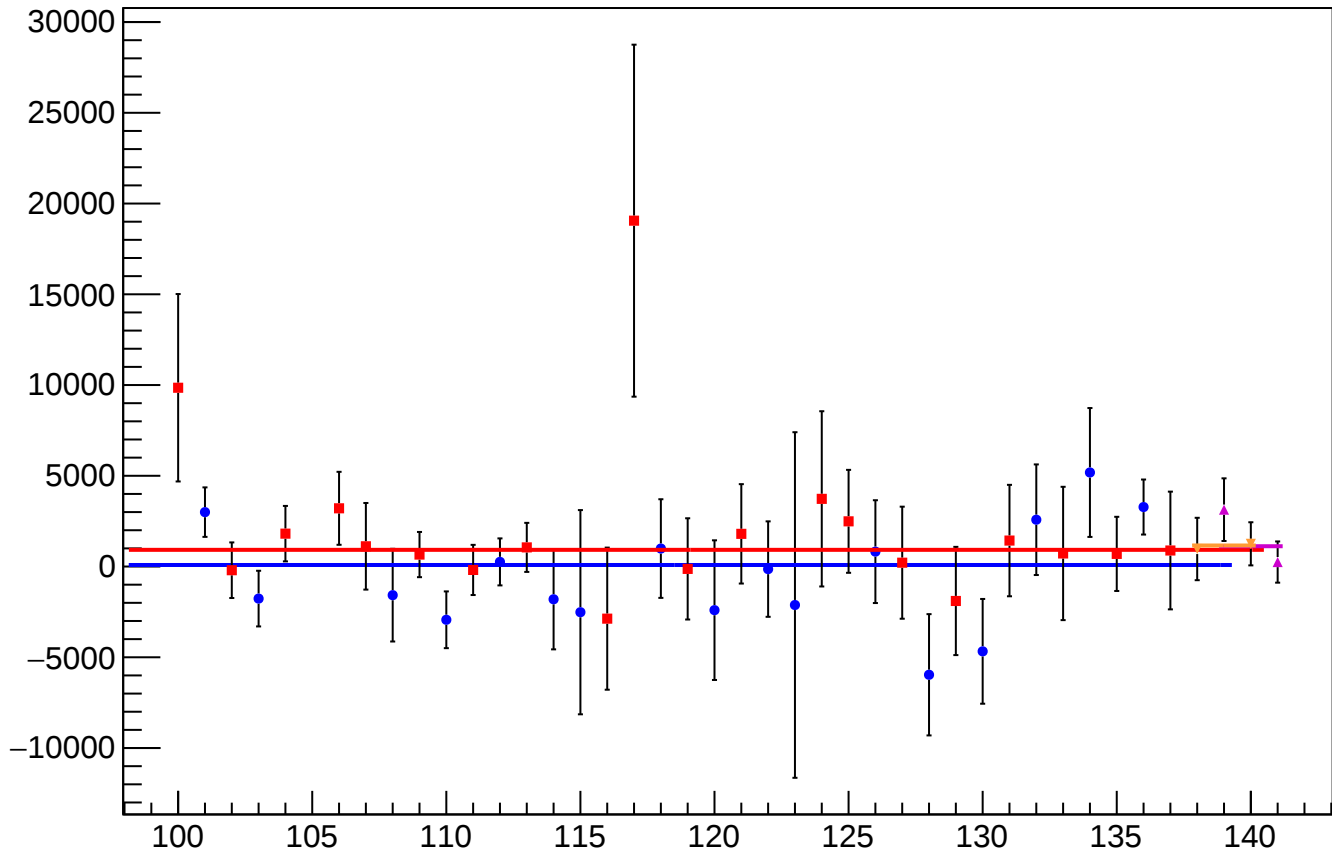
Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

Left In: 1159.212+/-0.666 χ^2/NDF : 85798.4/1

1258.811+/-0.326 χ^2/NDF : 1266501.4/18

1204.940+/-0.303 χ^2/NDF : 1466165.0/21

asym_sam_48_avg_mean vs Slug



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 1159.216+/-977.360 χ^2/NDF : 0.0/1

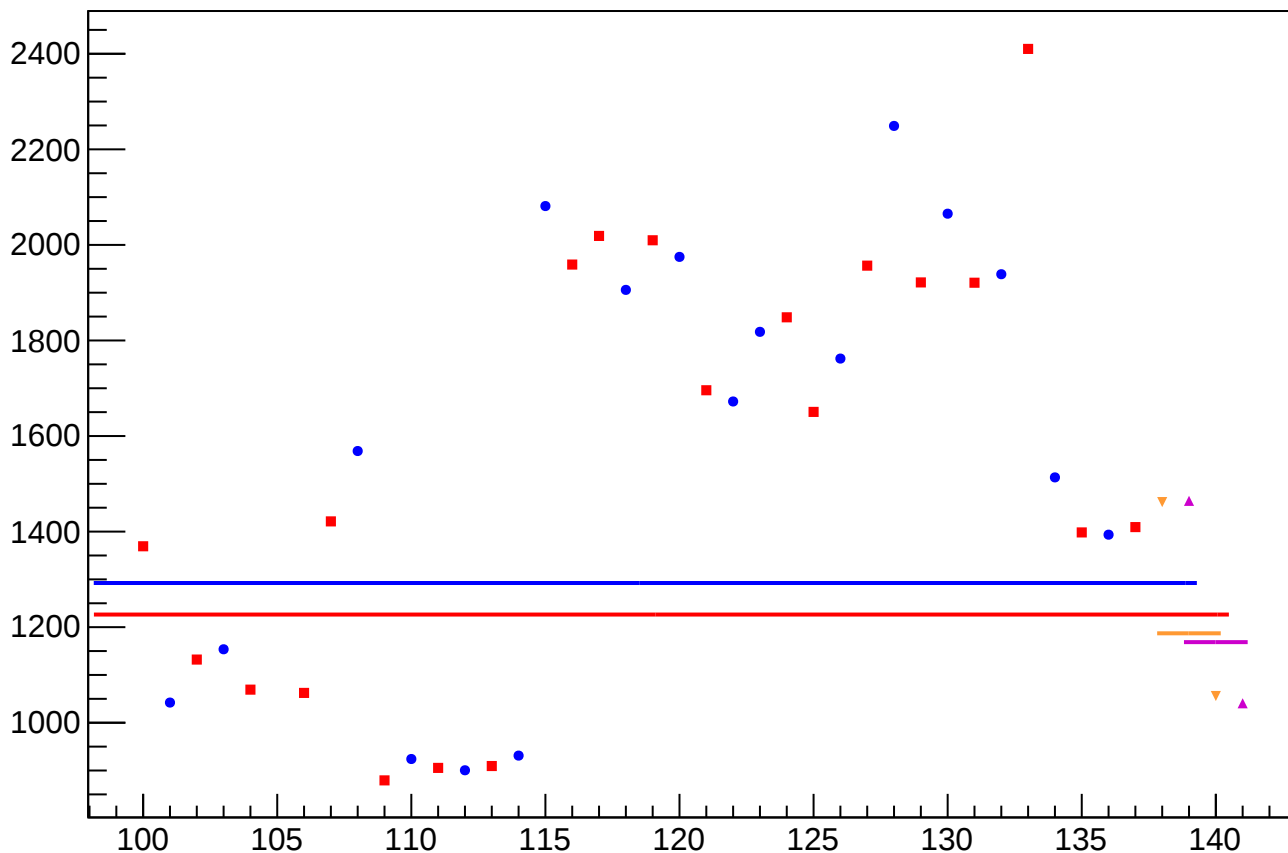
Right Out: 919.892+/-484.043 χ^2/NDF : 12.2/19

Left In: 1118.818+/-948.583 χ^2/NDF : 2.0/1

327.089+/-463.920 χ^2/NDF : 25.6/18

960.988+/-431.153 χ^2/NDF : 14.2/21

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1187.128+/-0.691 χ^2/NDF : 75449.2/1

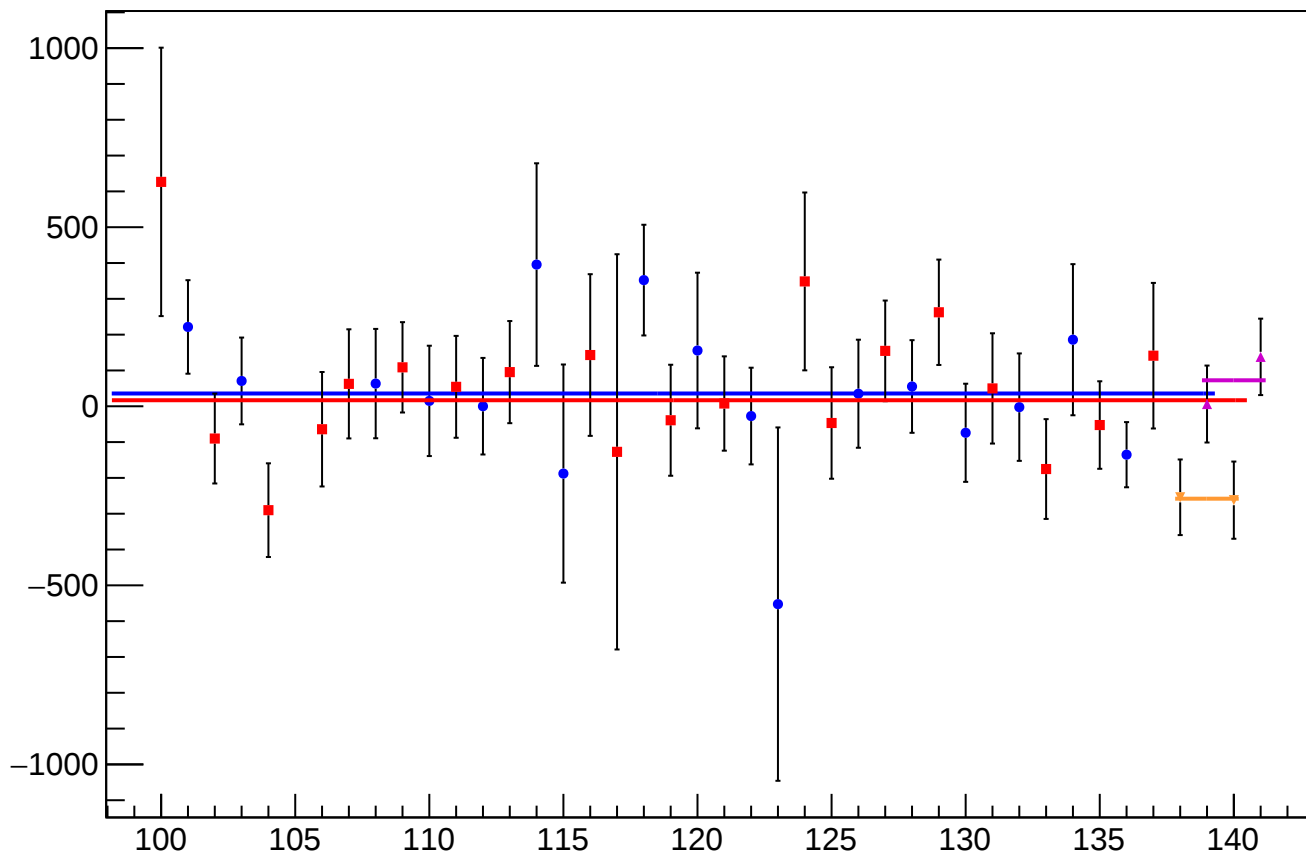
Right Out: 1226.408+/-0.342 χ^2/NDF : 1359134.9/19

Left In: 1168.671+/-0.671 χ^2/NDF : 84120.1/1

1268.701+/-0.328 χ^2/NDF : 1250009.2/18

1214.480+/-0.305 χ^2/NDF : 1449133.7/21

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -258.049+/-75.415 χ^2/NDF : 0.0/1

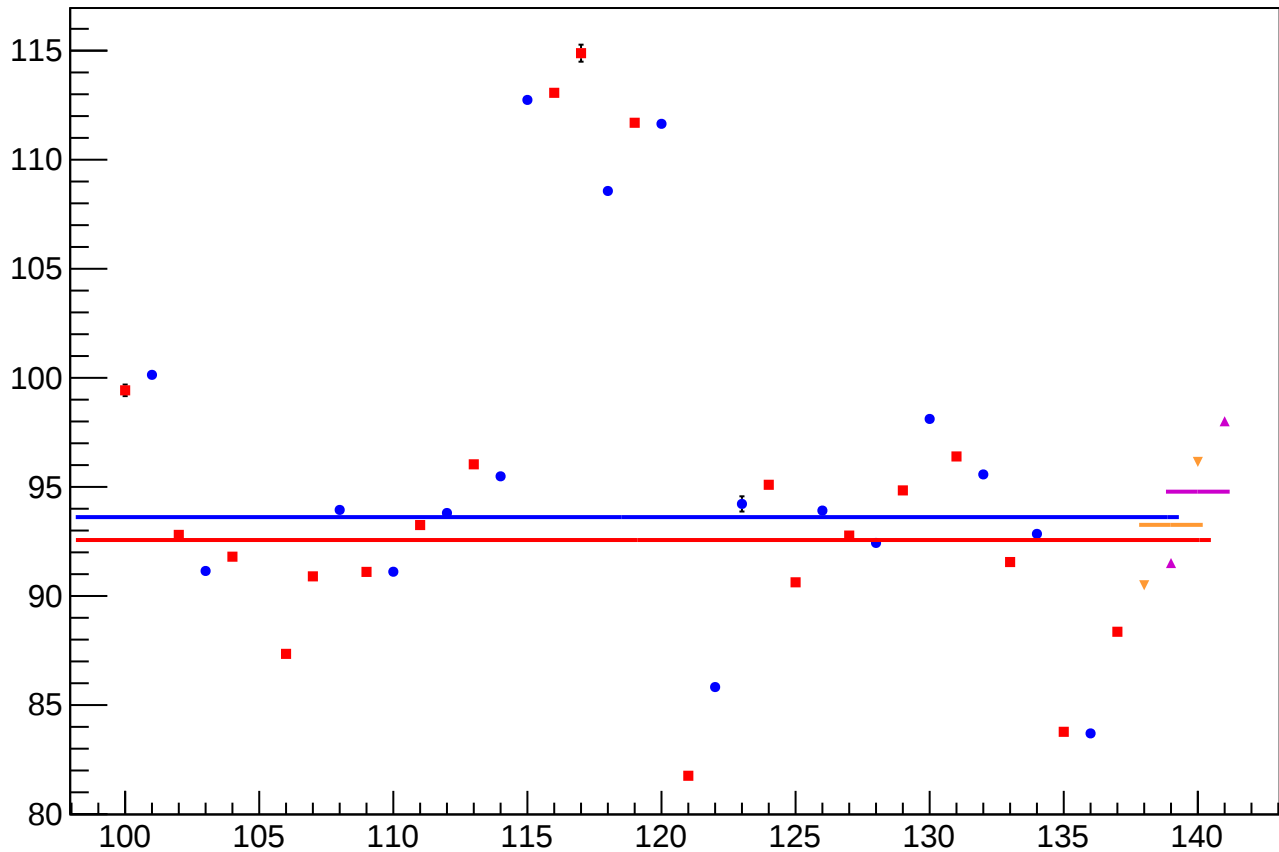
Right Out: 16.849+/-34.623 χ^2/NDF : 19.0/19

Left In: 72.531+/-75.705 χ^2/NDF : 0.8/1

-19.697+/-32.745 χ^2/NDF : 27.6/18

26.480+/-31.486 χ^2/NDF : 20.2/21

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616 $\pm$ 0.026 χ^2 /NDF: 79928.5/16

Left Out: 93.261 $\pm$ 0.053 χ^2 /NDF: 2809.7/1

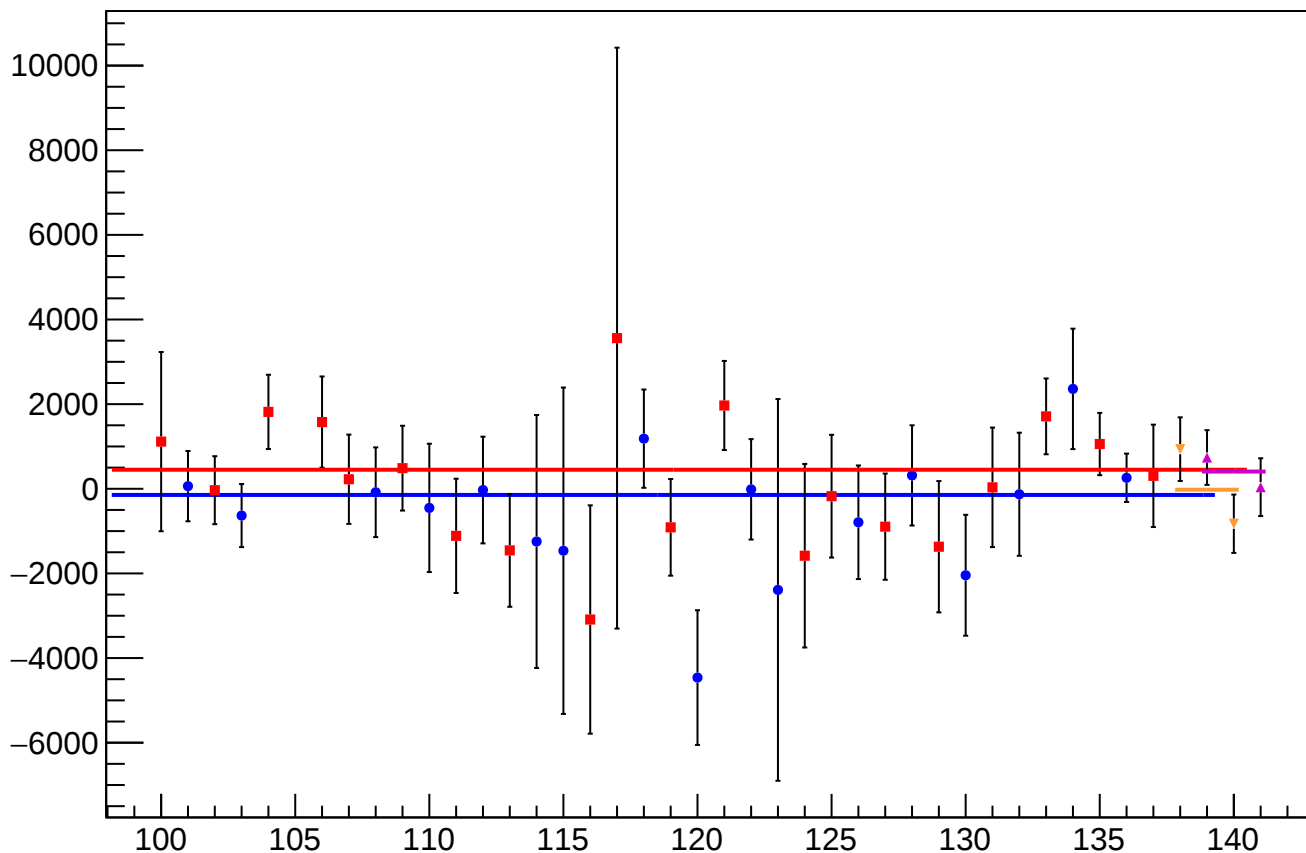
Right Out: 92.565 $\pm$ 0.024 χ^2 /NDF: 81875.5/19

Left In: 94.782 $\pm$ 0.054 χ^2 /NDF: 3685.2/1

93.549 $\pm$ 0.023 χ^2 /NDF: 82774.3/18

92.949 $\pm$ 0.022 χ^2 /NDF: 86979.1/21

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464+/-276.629 χ^2/NDF : 15.5/16

Left Out: -22.023+/-508.217 χ^2/NDF : 3.0/1

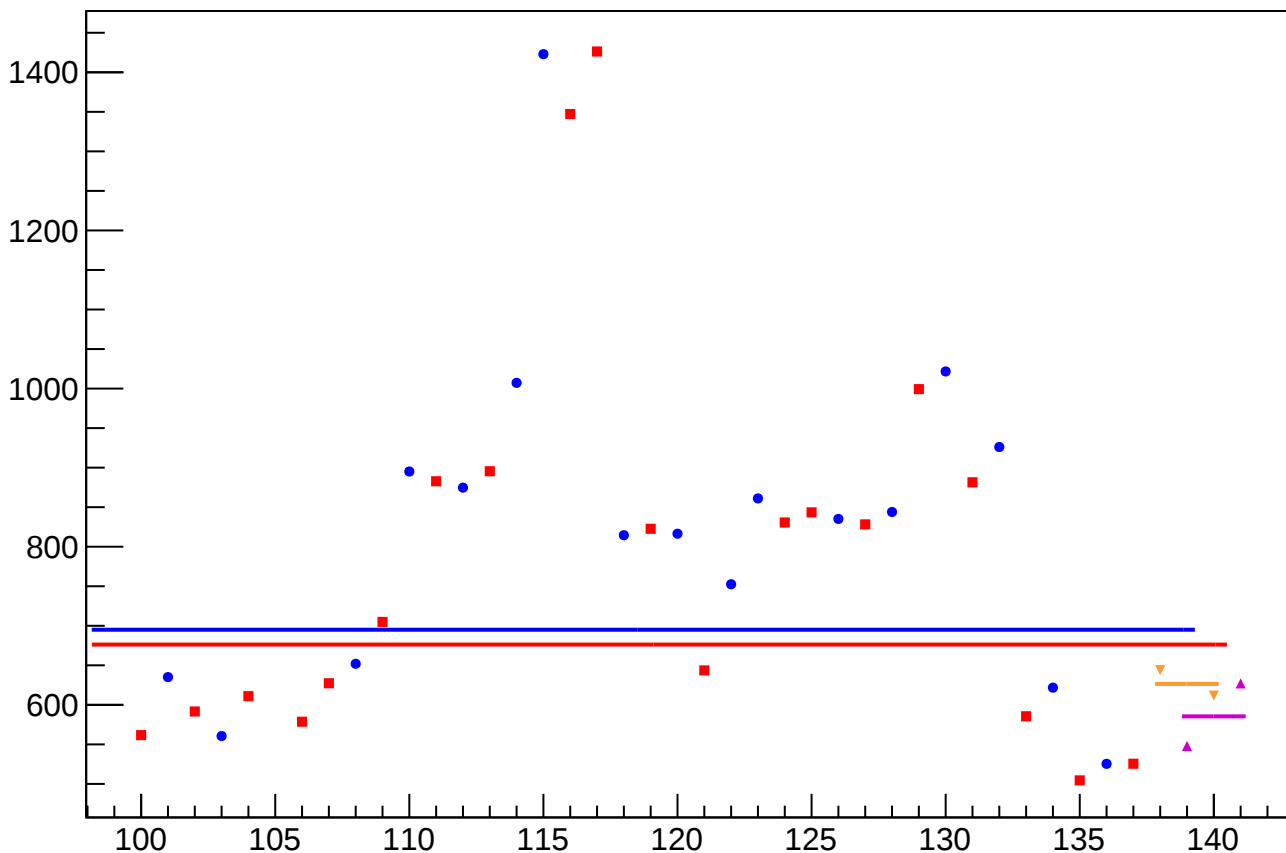
Right Out: 450.047+/-260.089 χ^2/NDF : 19.2/19

Left In: 407.111+/-469.541 χ^2/NDF : 0.6/1

-117.251+/-242.968 χ^2/NDF : 18.5/18

439.966+/-227.516 χ^2/NDF : 19.7/21

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 626.457 $\pm$ 0.359 χ^2 /NDF:2003.3/1

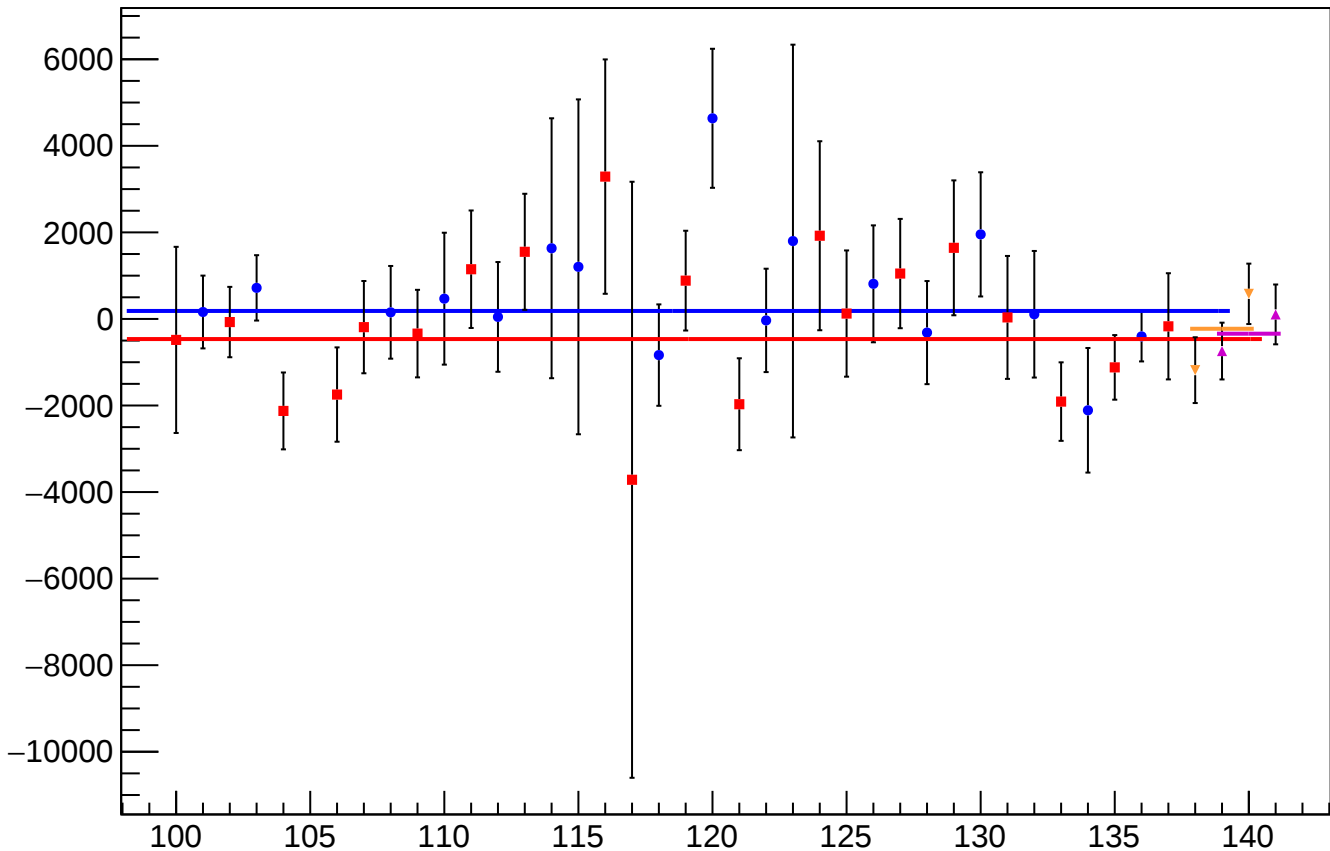
Right Out: 676.229 $\pm$ 0.184 χ^2 /NDF: 700313.6/19

Left In: 585.449 $\pm$ 0.332 χ^2 /NDF:14138.9/1

679.344 $\pm$ 0.172 χ^2 /NDF: 707792.5/18

654.915 $\pm$ 0.161 χ^2 /NDF: 771659.2/21

asym_sam_15_dd_mean vs Slug



Right In: 184.518 $\pm$ 279.390 χ^2 /NDF: 14.9/16

Left Out: -226.836 $\pm$ 514.039 χ^2 /NDF: 2.9/1

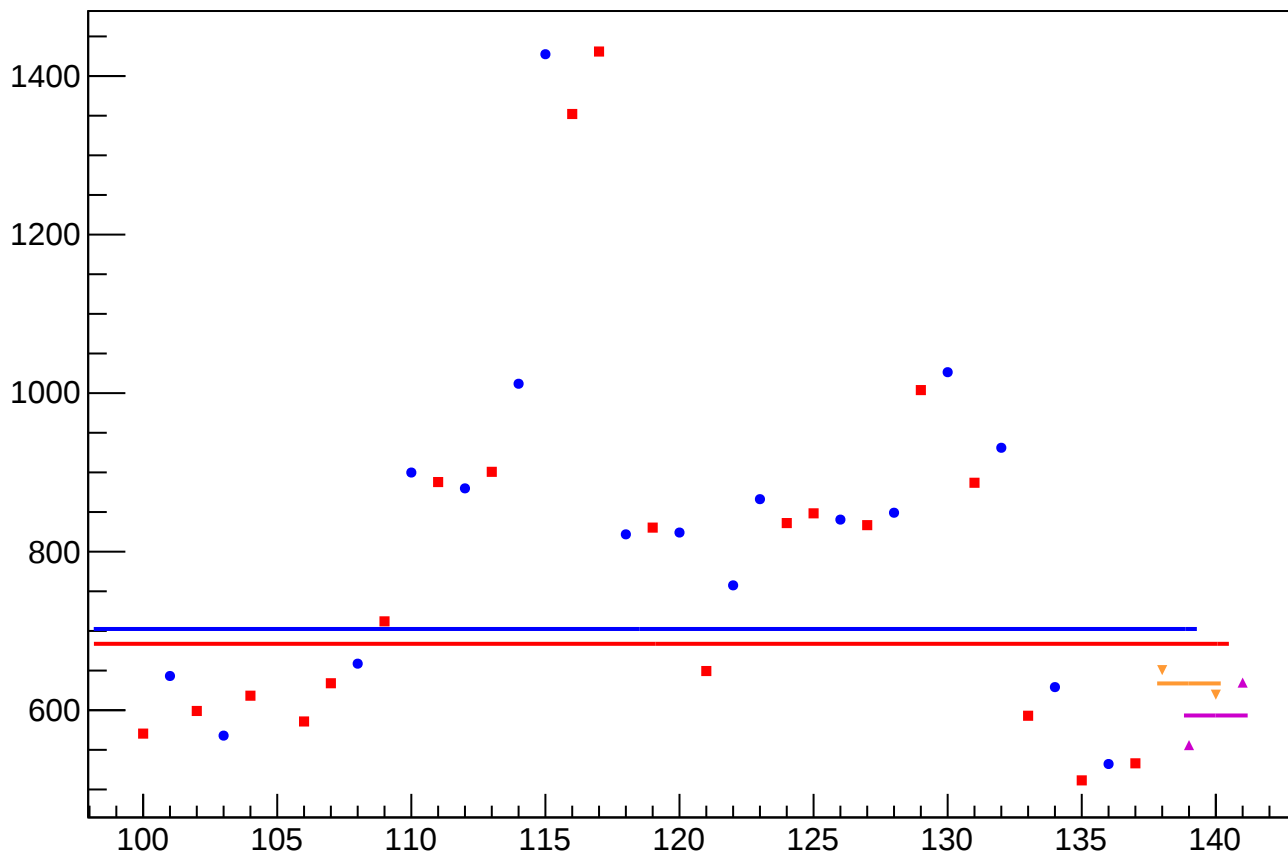
Right Out: -464.916 $\pm$ 262.768 χ^2 /NDF: 22.5/19

Left In: -340.830 $\pm$ 475.768 χ^2 /NDF: 0.8/1

90.711 $\pm$ 245.475 χ^2 /NDF: 18.3/18

-435.912 $\pm$ 230.018 χ^2 /NDF: 23.4/21

asym_sam_15_dd_rms vs Slug



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 633.762+/-0.363 χ^2/NDF : 1799.7/1

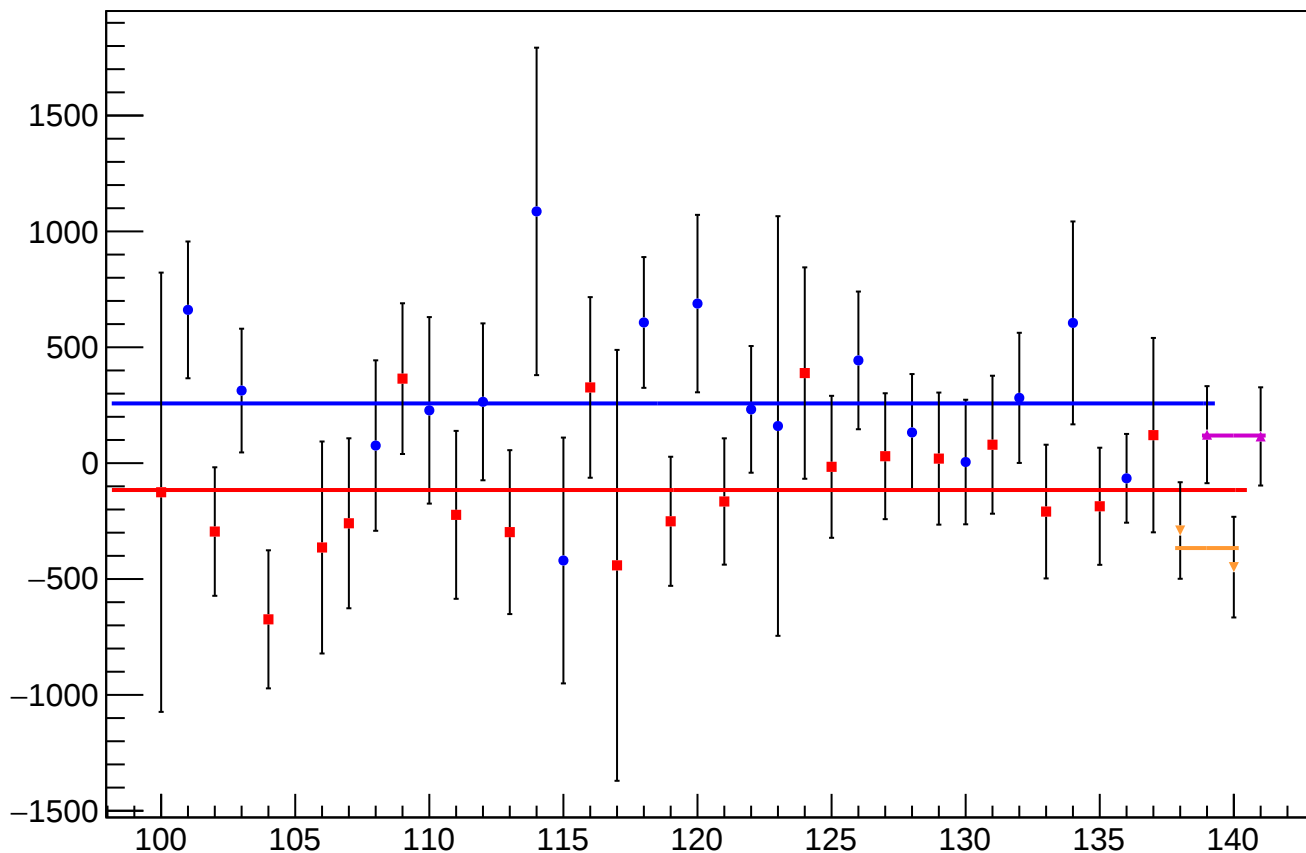
Right Out: 683.751+/-0.186 χ^2/NDF : 683105.3/19

Left In: 593.341+/-0.336 χ^2/NDF : 13700.0/1

686.801+/-0.174 χ^2/NDF : 689907.4/18

662.619+/-0.163 χ^2/NDF : 752146.3/21

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -366.370 ± 150.339 $\chi^2/\text{NDF}: 0.3/1$

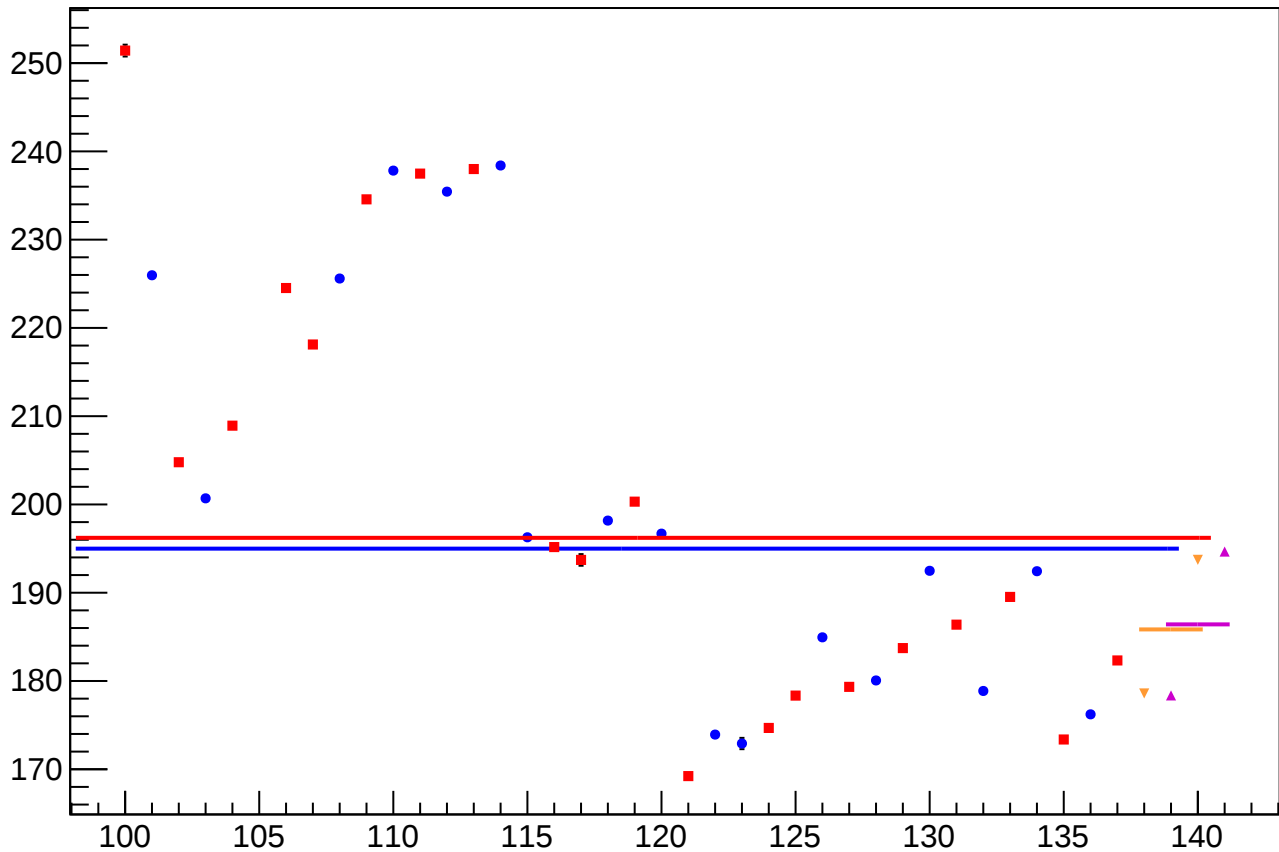
Right Out: -115.922 ± 73.976 $\chi^2/\text{NDF}: 11.4/19$

Left In: 119.198 ± 148.946 $\chi^2/\text{NDF}: 0.0/1$

130.877 ± 67.777 $\chi^2/\text{NDF}: 27.0/18$

-69.400 ± 66.254 $\chi^2/\text{NDF}: 13.4/21$

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 ± 0.054 χ^2/NDF : 144271.1/16

Left Out: 185.842 ± 0.106 χ^2/NDF : 5059.8/1

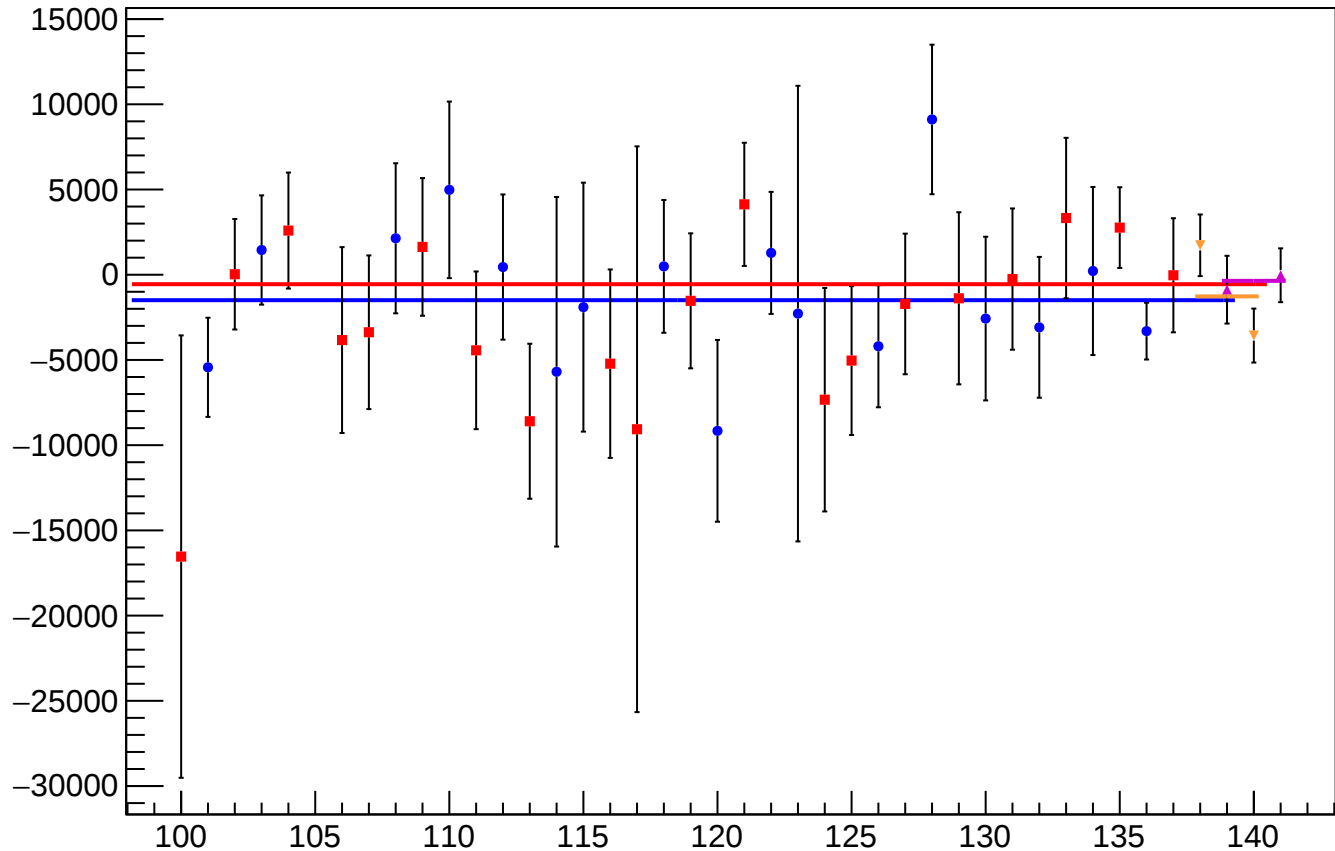
Right Out: 196.219 ± 0.052 χ^2/NDF : 173506.2/19

Left In: 186.414 ± 0.105 χ^2/NDF : 5985.3/1

193.134 ± 0.048 χ^2/NDF : 155236.4/18

194.279 ± 0.047 χ^2/NDF : 186444.2/21

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 $\pm$ 910.834 χ^2 /NDF: 16.1/16

Left Out: -1271.199 $\pm$ 1191.245 χ^2 /NDF: 4.9/1

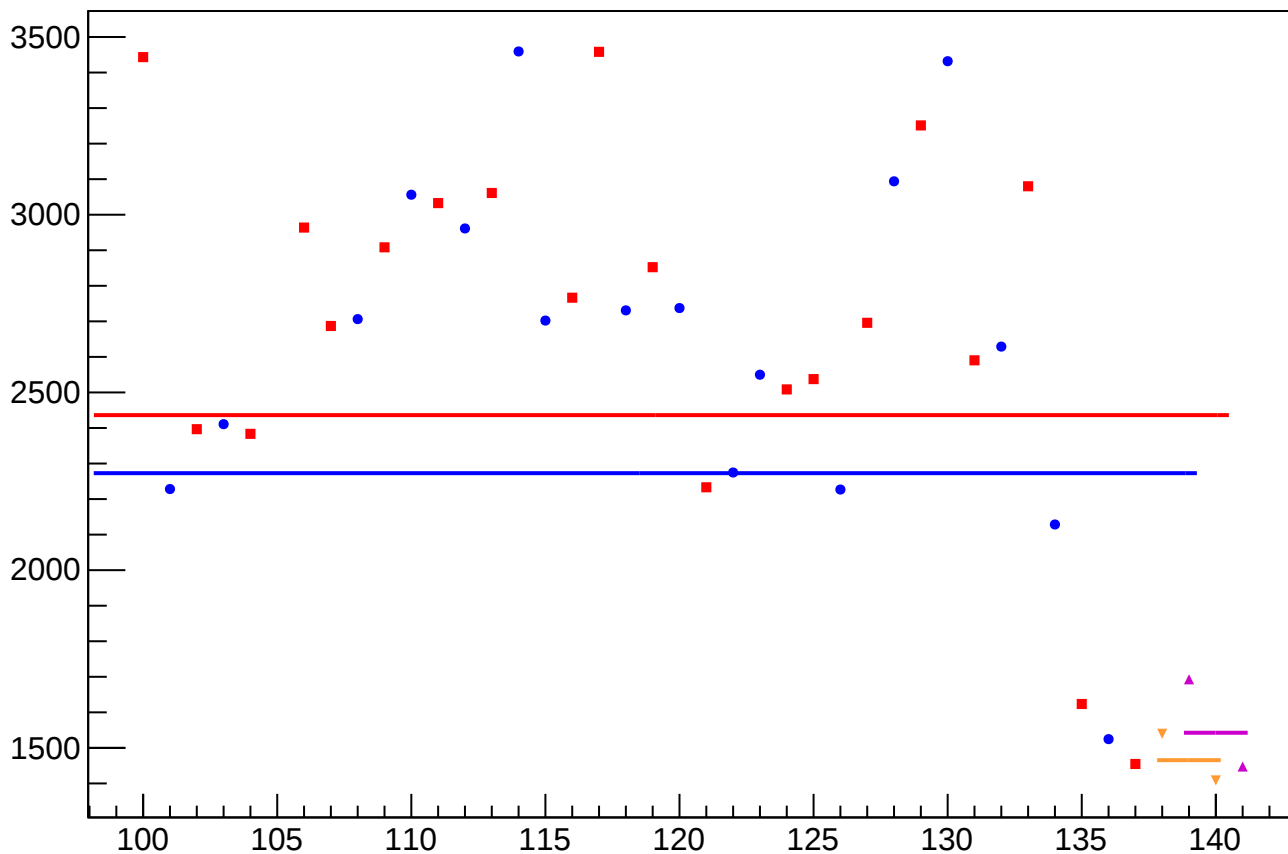
Right Out: -555.744 $\pm$ 933.239 χ^2 /NDF: 14.9/19

Left In: -358.127 $\pm$ 1236.380 χ^2 /NDF: 0.1/1

-1411.346 $\pm$ 723.563 χ^2 /NDF: 21.0/18

-484.018 $\pm$ 744.866 χ^2 /NDF: 15.0/21

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1465.442+/-0.842 χ^2/NDF : 5954.1/1

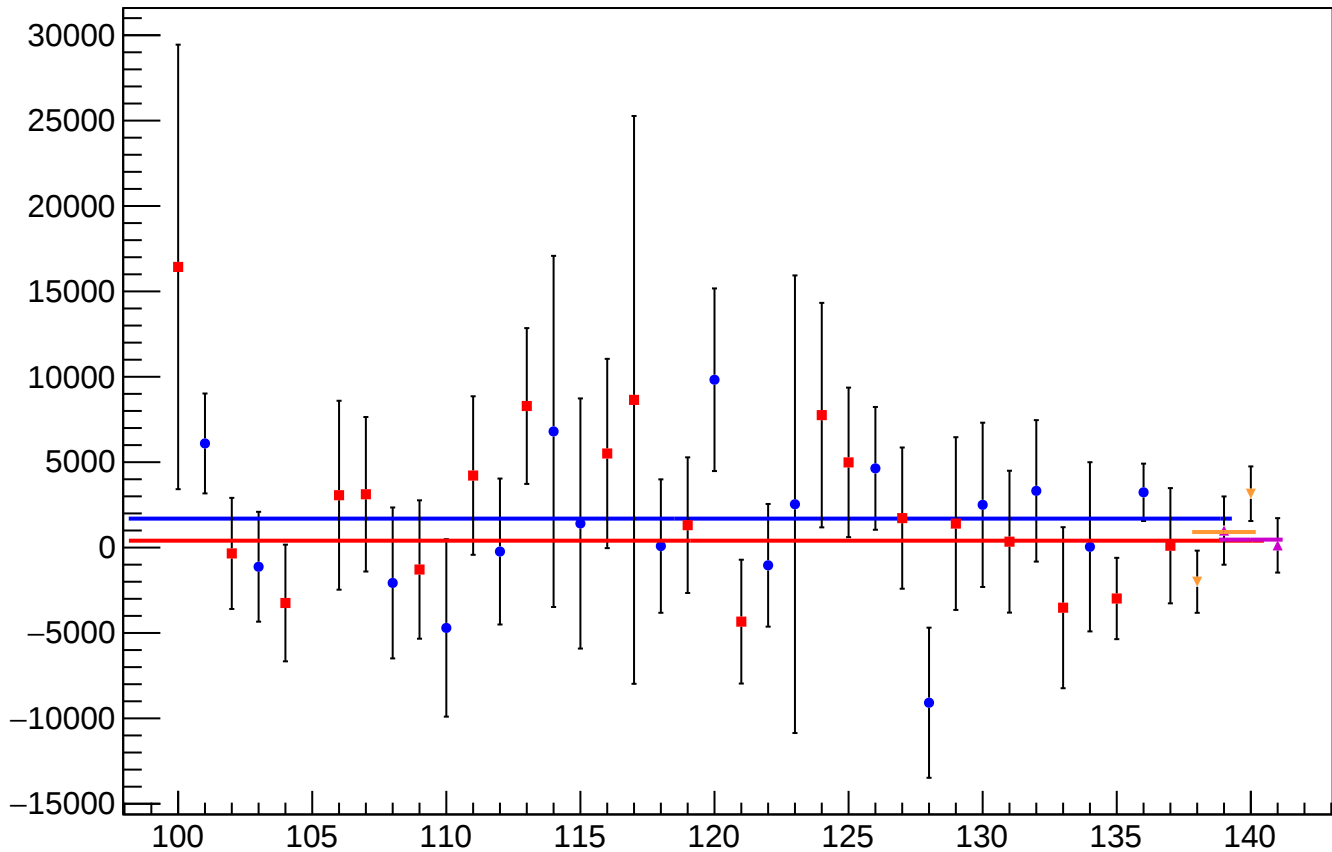
Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

Left In: 1542.591+/-0.874 χ^2/NDF : 18685.5/1

1974.990+/-0.512 χ^2/NDF : 1391464.8/18

2111.855+/-0.527 χ^2/NDF : 1372629.6/21

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 910.825 $\pm$ 1201.302 χ^2 /NDF: 4.5/1

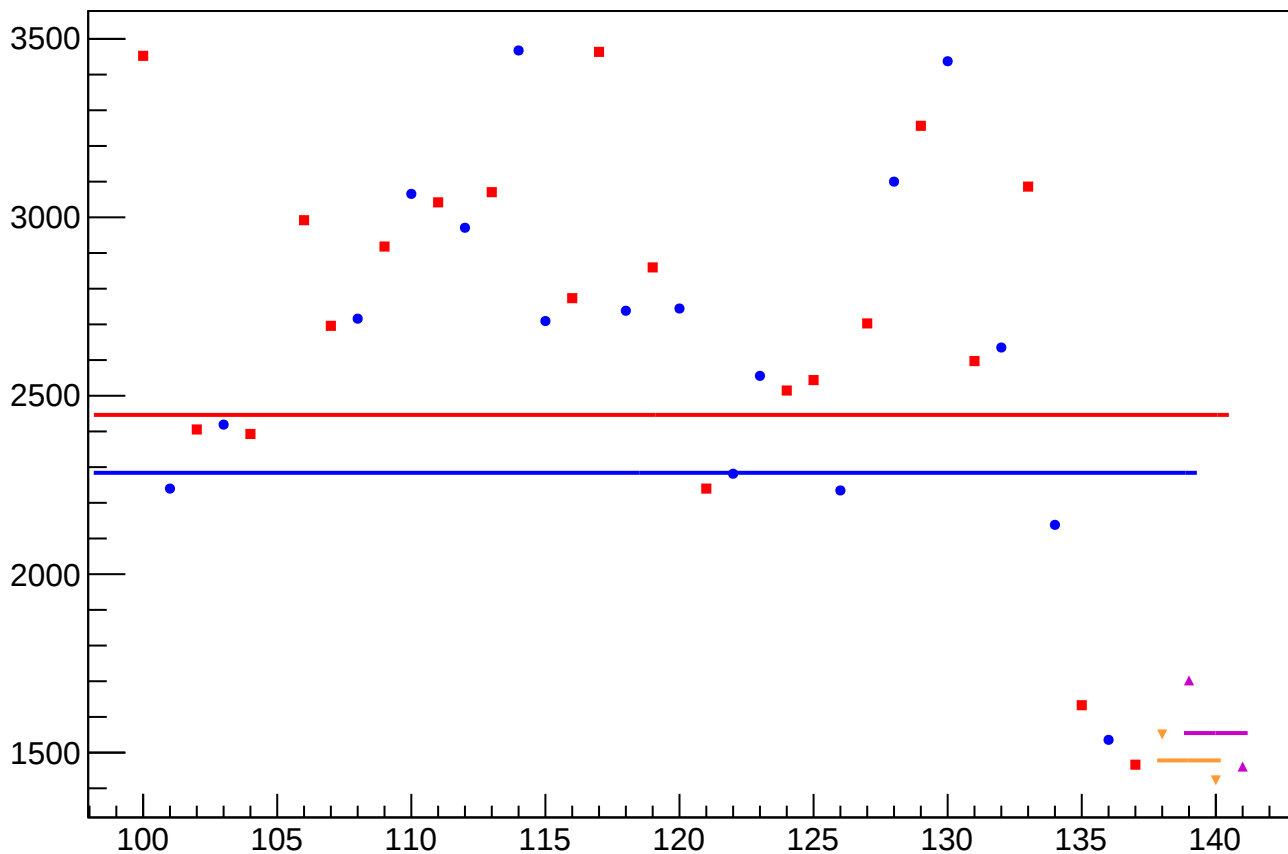
Right Out: 403.904 $\pm$ 937.036 χ^2 /NDF: 15.2/19

Left In: 465.886 $\pm$ 1245.962 χ^2 /NDF: 0.1/1

1407.755 $\pm$ 727.828 χ^2 /NDF: 21.4/18

426.296 $\pm$ 748.888 χ^2 /NDF: 15.3/21

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1478.108+/-0.849 χ^2/NDF : 5630.0/1

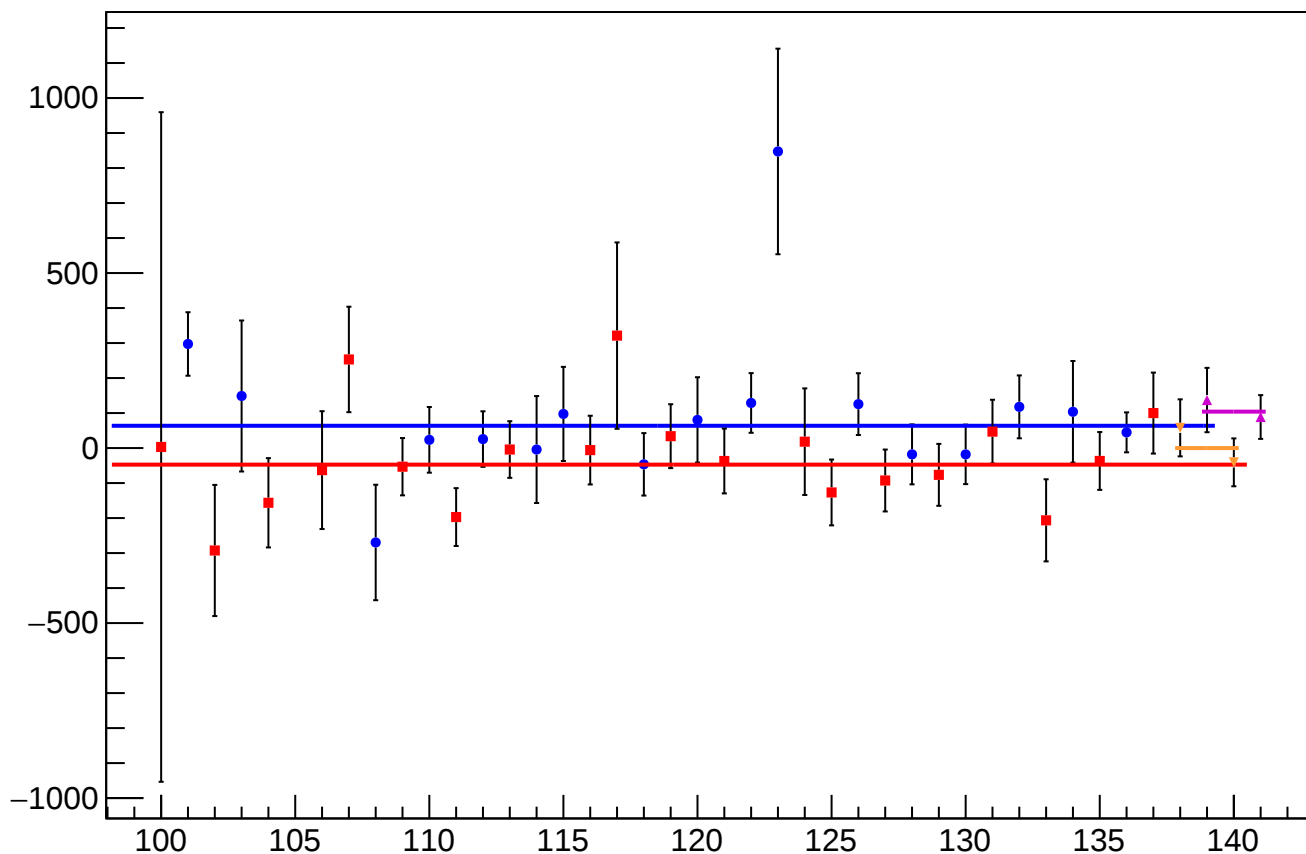
Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

Left In: 1554.825+/-0.881 χ^2/NDF : 17840.0/1

1988.244+/-0.515 χ^2/NDF : 1369450.8/18

2124.285+/-0.530 χ^2/NDF : 1352324.1/21

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -0.085 ± 52.380 χ^2/NDF : 0.9/1

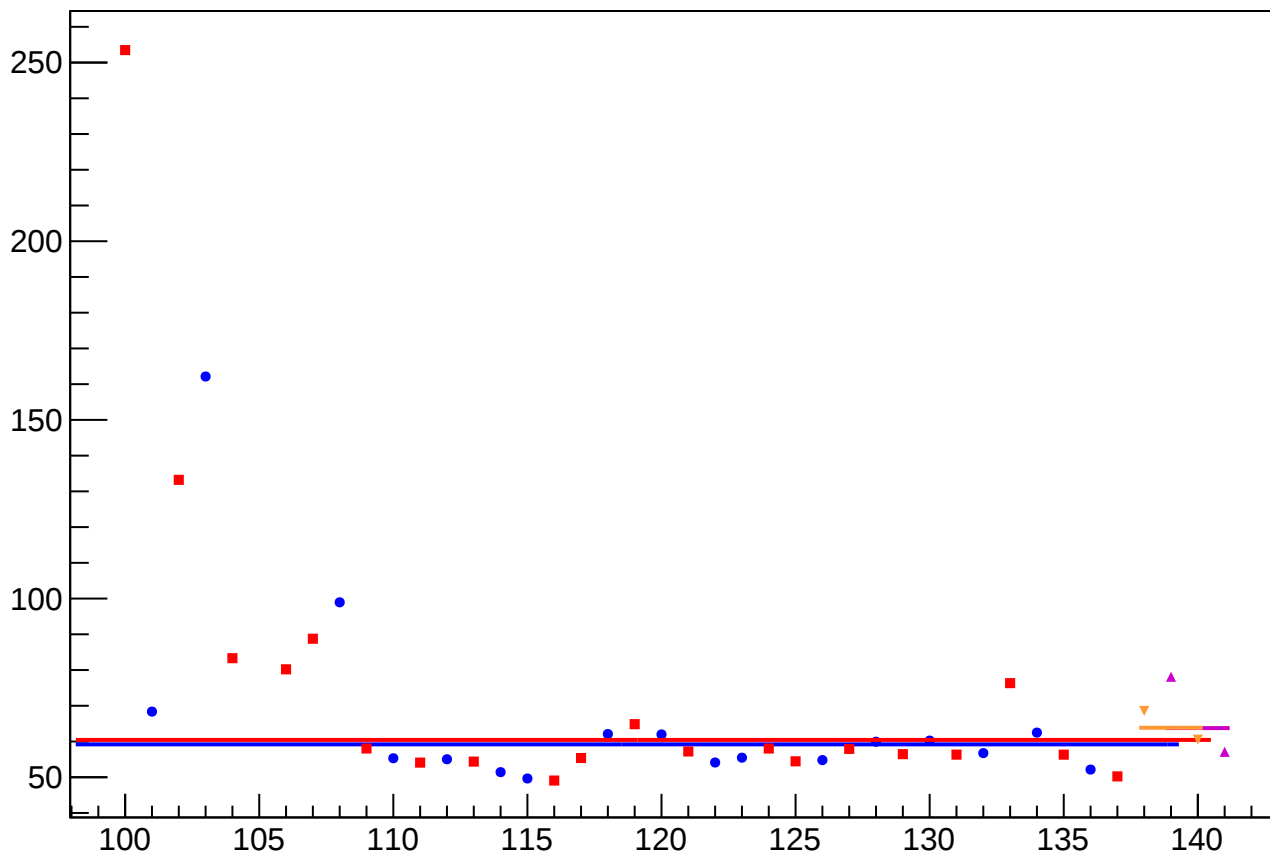
Right Out: -47.367 ± 23.568 χ^2/NDF : 18.7/19

Left In: 104.048 ± 51.696 χ^2/NDF : 0.2/1

52.800 ± 21.625 χ^2/NDF : 25.8/18

-21.312 ± 21.445 χ^2/NDF : 26.0/21

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200+/-0.017 χ^2/NDF : 665472.4/16

Left Out: 63.849+/-0.037 χ^2/NDF : 11382.6/1

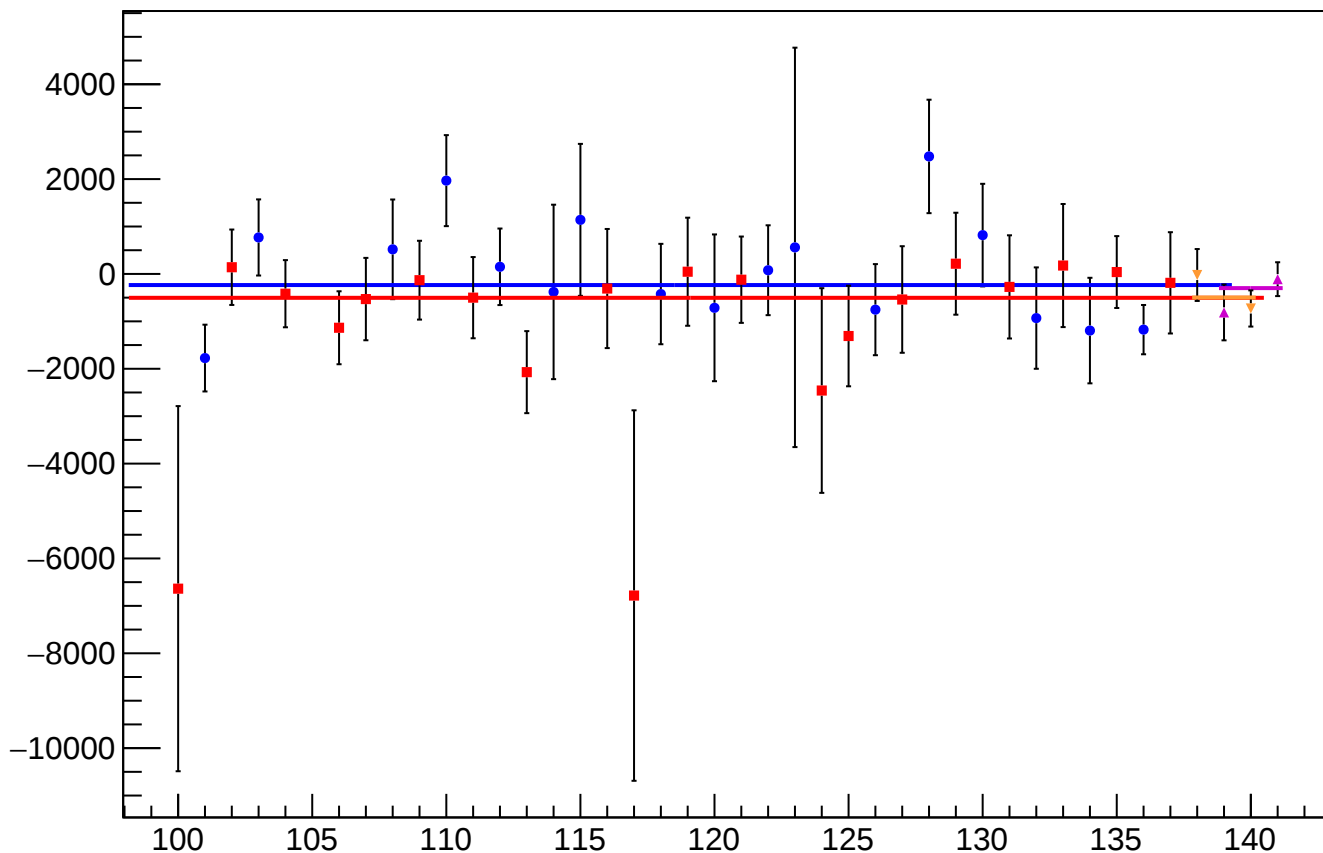
Right Out: 60.443+/-0.017 χ^2/NDF : 680790.3/19

Left In: 63.752+/-0.037 χ^2/NDF : 71459.0/1

59.993+/-0.015 χ^2/NDF : 689921.7/18

61.013+/-0.015 χ^2/NDF : 759033.7/21

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492+/-233.880 χ^2 /NDF: 24.2/16

Left Out: -497.347+/-313.123 χ^2 /NDF:1.1/1

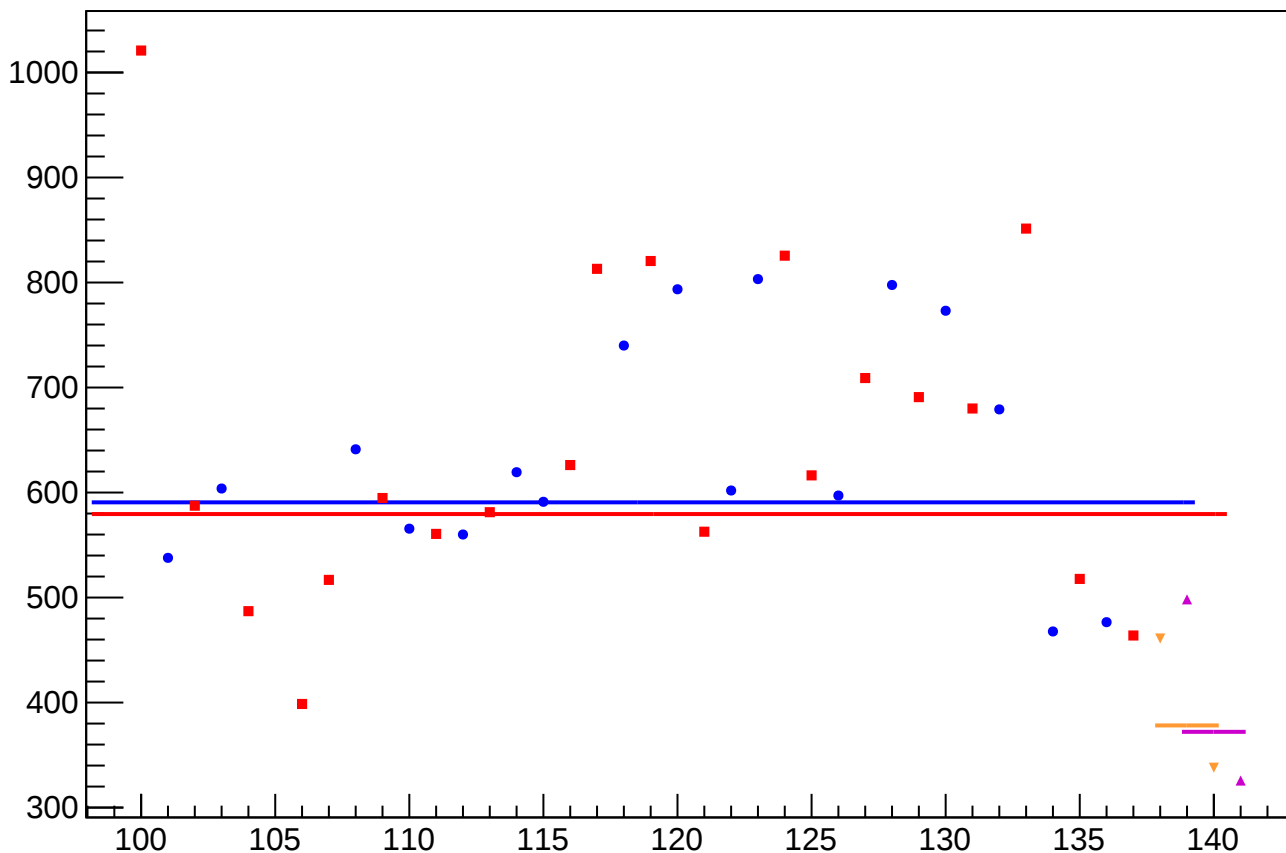
Right Out: -503.638+/-221.955 χ^2 /NDF: 13.2/19

Left In: -298.967+/-305.185 χ^2 /NDF:1.0/1

-328.623+/-187.380 χ^2 /NDF: 25.8/18

-432.832+/-179.502 χ^2 /NDF: 14.5/21

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 378.219+/-0.221 χ^2/NDF : 67963.4/1

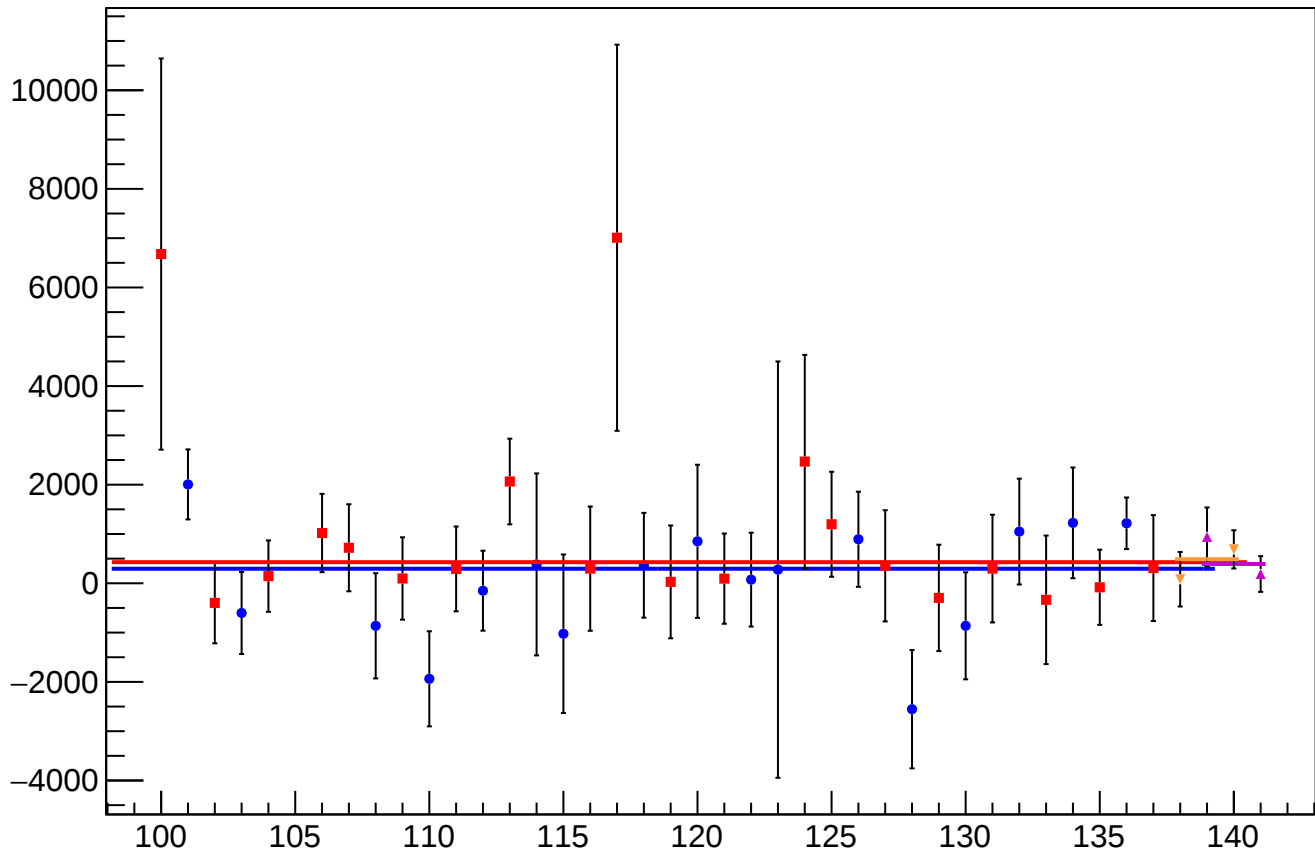
Right Out: 579.509+/-0.157 χ^2/NDF : 501132.1/19

Left In: 372.115+/-0.216 χ^2/NDF : 125625.9/1

514.582+/-0.132 χ^2/NDF : 1010973.4/18

507.761+/-0.127 χ^2/NDF : 1230856.6/21

asym_sam_37_dd_mean vs Slug



Right In: 295.401+/-235.860 χ^2/NDF : 26.1/16

Left Out: 488.747+/-317.676 χ^2/NDF : 0.8/1

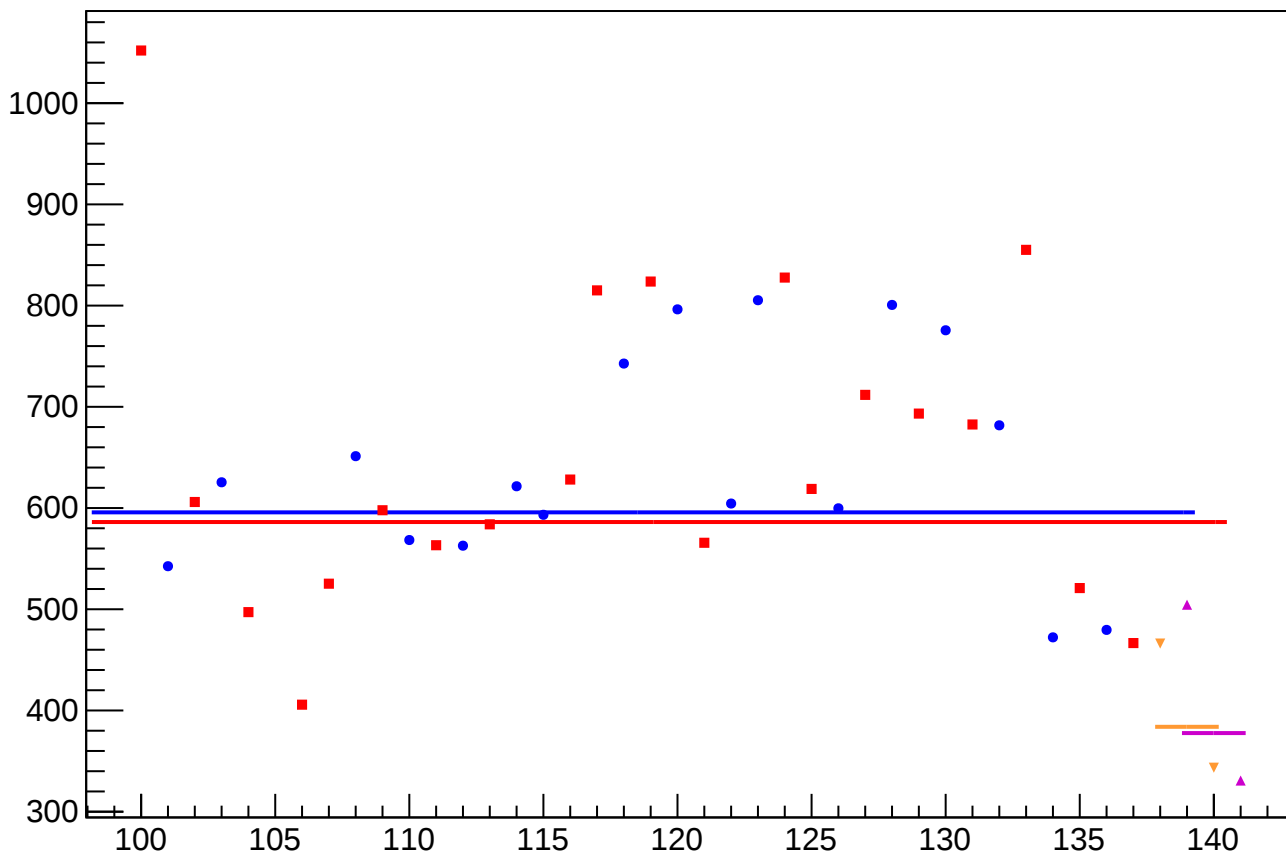
Right Out: 427.853+/-224.485 χ^2/NDF : 13.8/19

Left In: 391.953+/-309.631 χ^2/NDF : 1.2/1

364.107+/-189.372 χ^2/NDF : 27.1/18

415.484+/-181.745 χ^2/NDF : 15.0/21

asym_sam_37_dd_rms vs Slug



Right In: 595.734+/-0.167 χ^2/NDF : 350058.2/16

Left Out: 383.866+/-0.225 χ^2/NDF : 65854.6/1

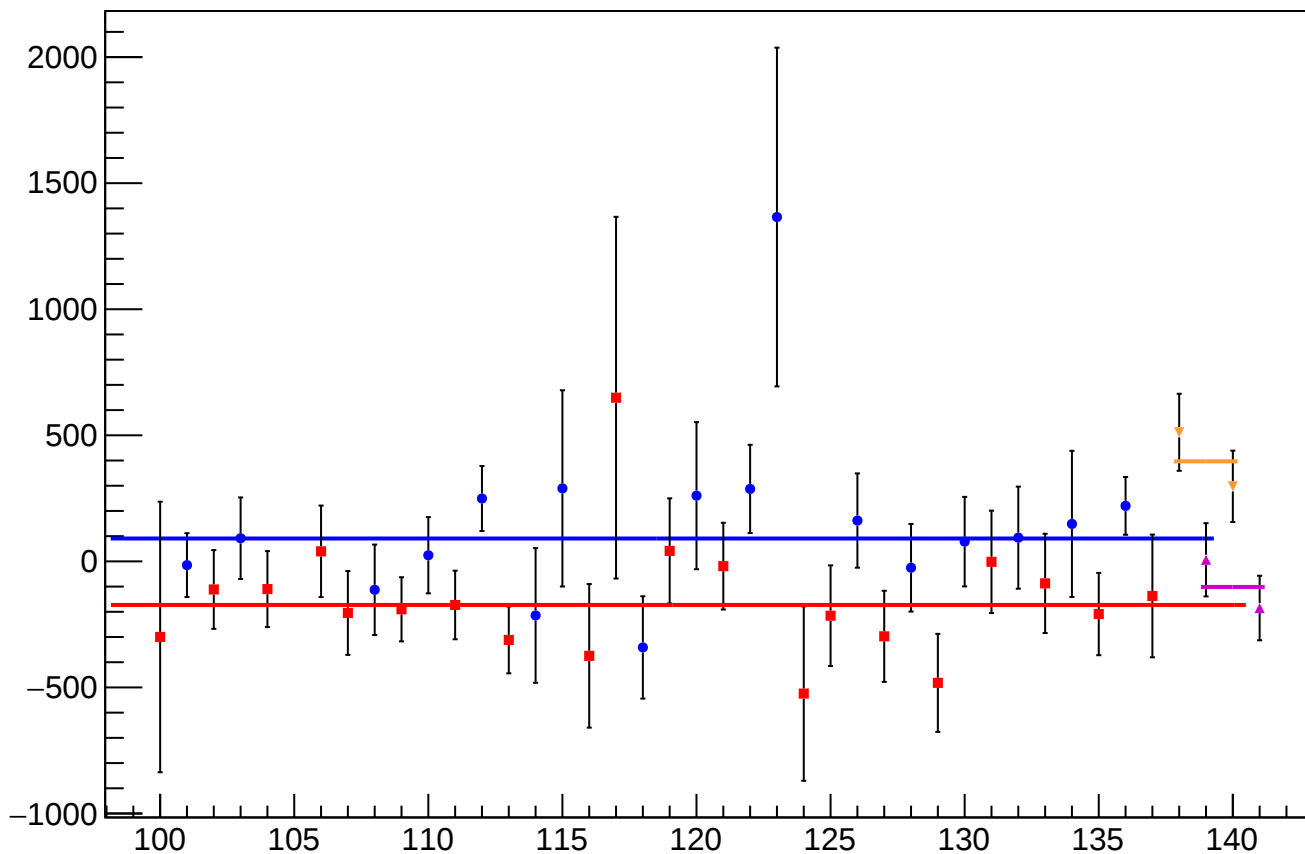
Right Out: 586.176+/-0.159 χ^2/NDF : 481325.4/19

Left In: 377.676+/-0.219 χ^2/NDF : 124063.9/1

520.446+/-0.134 χ^2/NDF : 989383.9/18

514.340+/-0.129 χ^2/NDF : 1199818.9/21

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 396.656+/-103.821 χ^2/NDF : 1.1/1

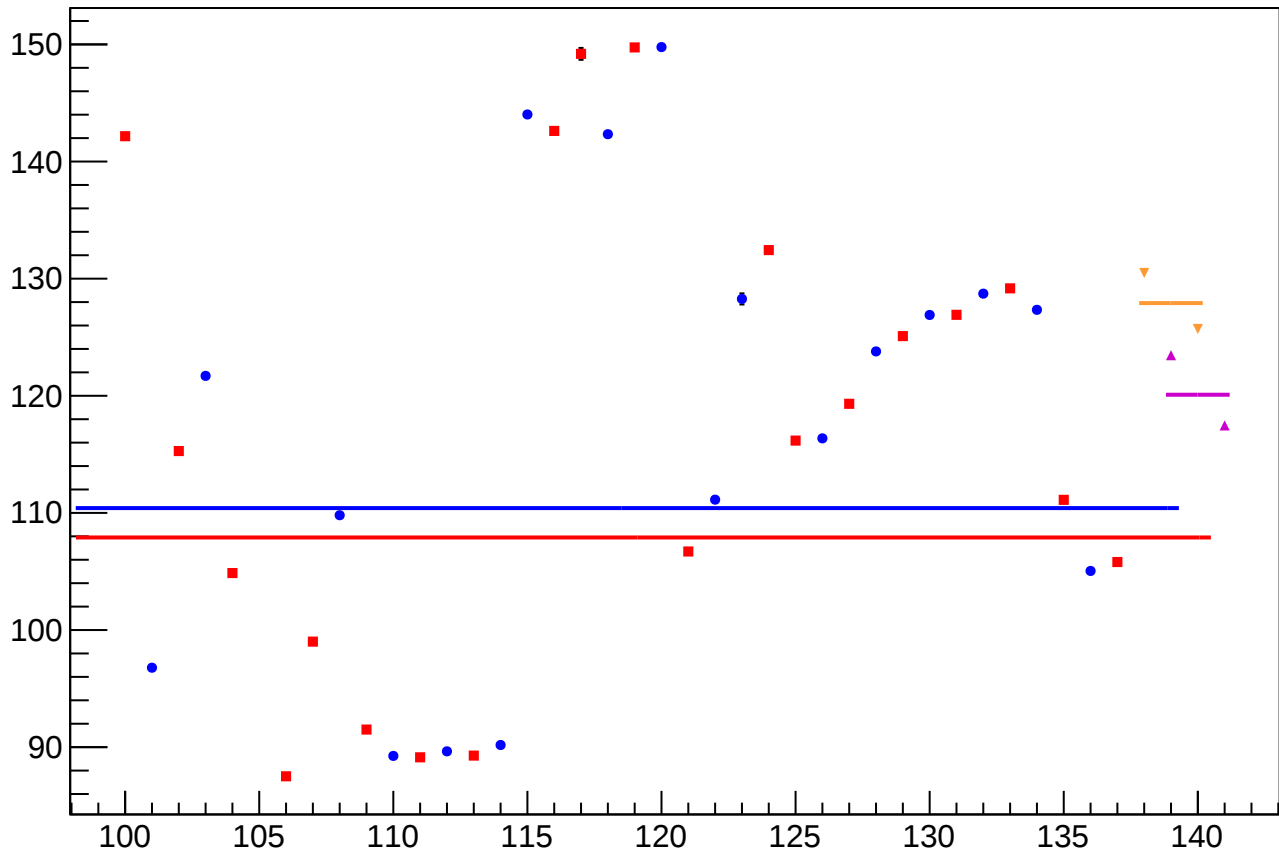
Right Out: -172.786+/-41.033 χ^2/NDF : 11.6/19

Left In: -101.415+/-96.023 χ^2/NDF : 1.0/1

136.065+/-39.973 χ^2/NDF : 25.4/18

-161.765+/-37.733 χ^2/NDF : 13.1/21

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 ± 0.031 χ^2/NDF : 296425.4/16

Left Out: 127.914 ± 0.073 χ^2/NDF : 1054.9/1

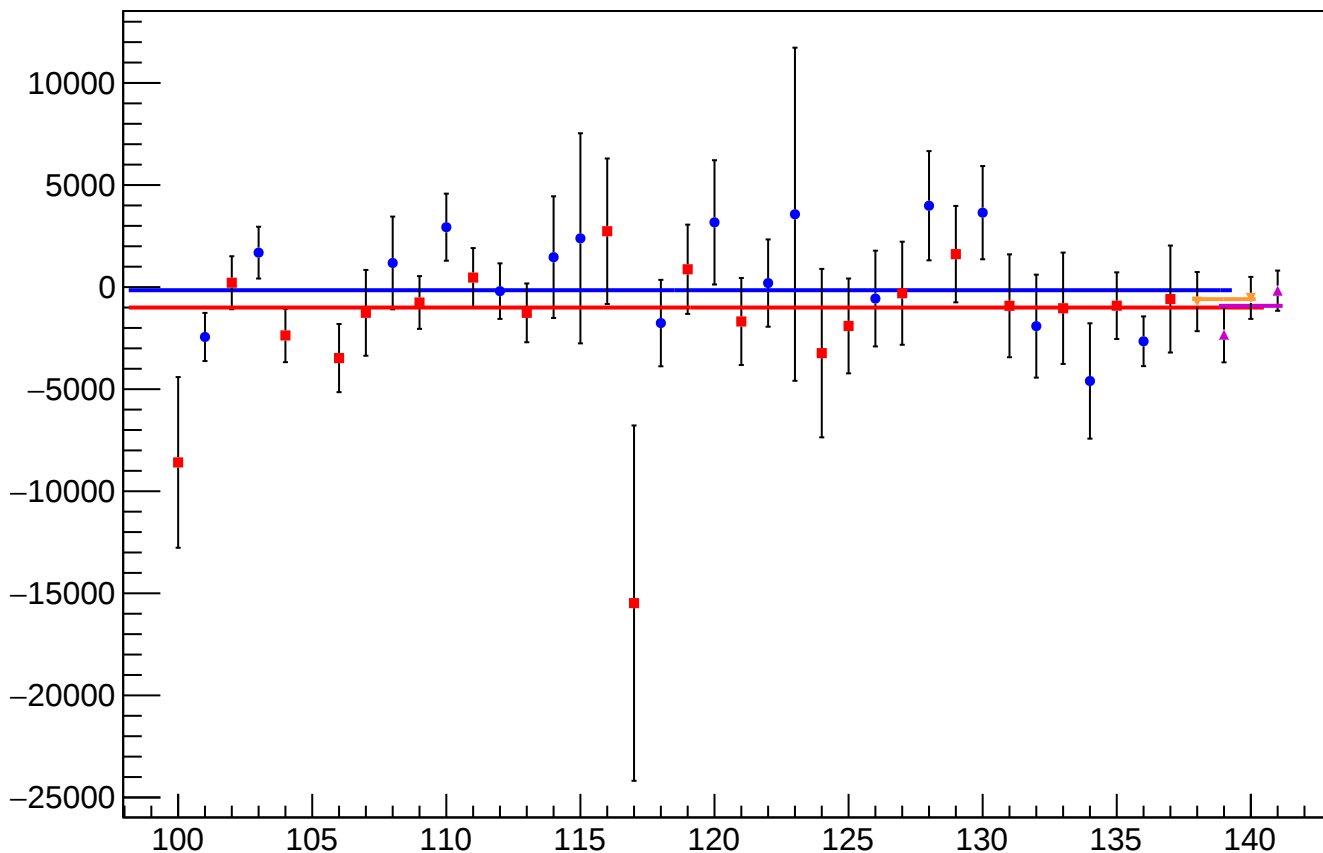
Right Out: 107.903 ± 0.029 χ^2/NDF : 351091.4/19

Left In: 120.090 ± 0.068 χ^2/NDF : 1917.8/1

113.006 ± 0.028 χ^2/NDF : 345897.3/18

109.785 ± 0.027 χ^2/NDF : 380248.2/21

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -589.491 ± 838.888 χ^2/NDF : 0.0/1

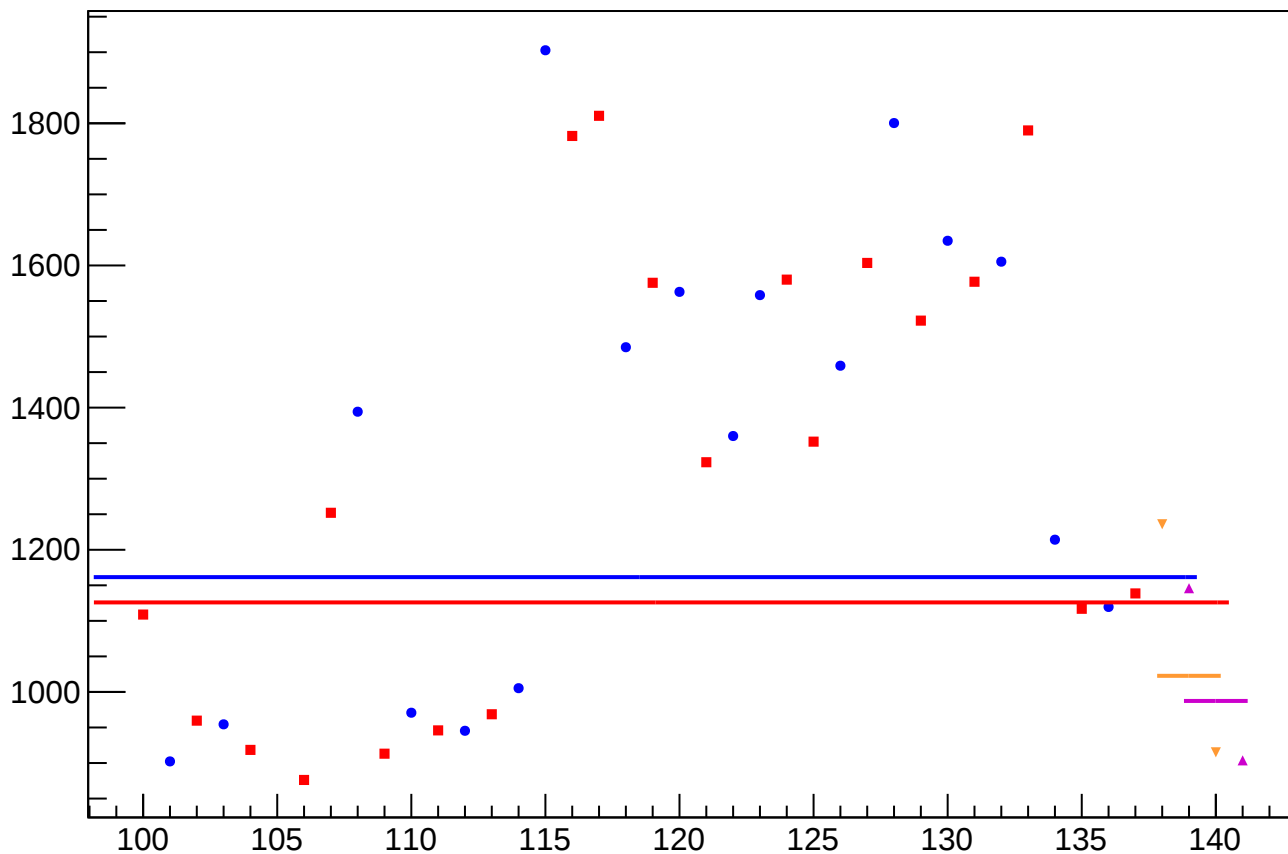
Right Out: -1000.907 ± 434.569 χ^2/NDF : 15.1/19

Left In: -918.513 ± 796.882 χ^2/NDF : 1.7/1

-255.052 ± 406.533 χ^2/NDF : 24.9/18

-982.020 ± 381.525 χ^2/NDF : 16.7/21

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530 +/- 0.329 χ^2/NDF : 695906.9/16

Left Out: 1022.681 +/- 0.593 χ^2/NDF : 65227.3/1

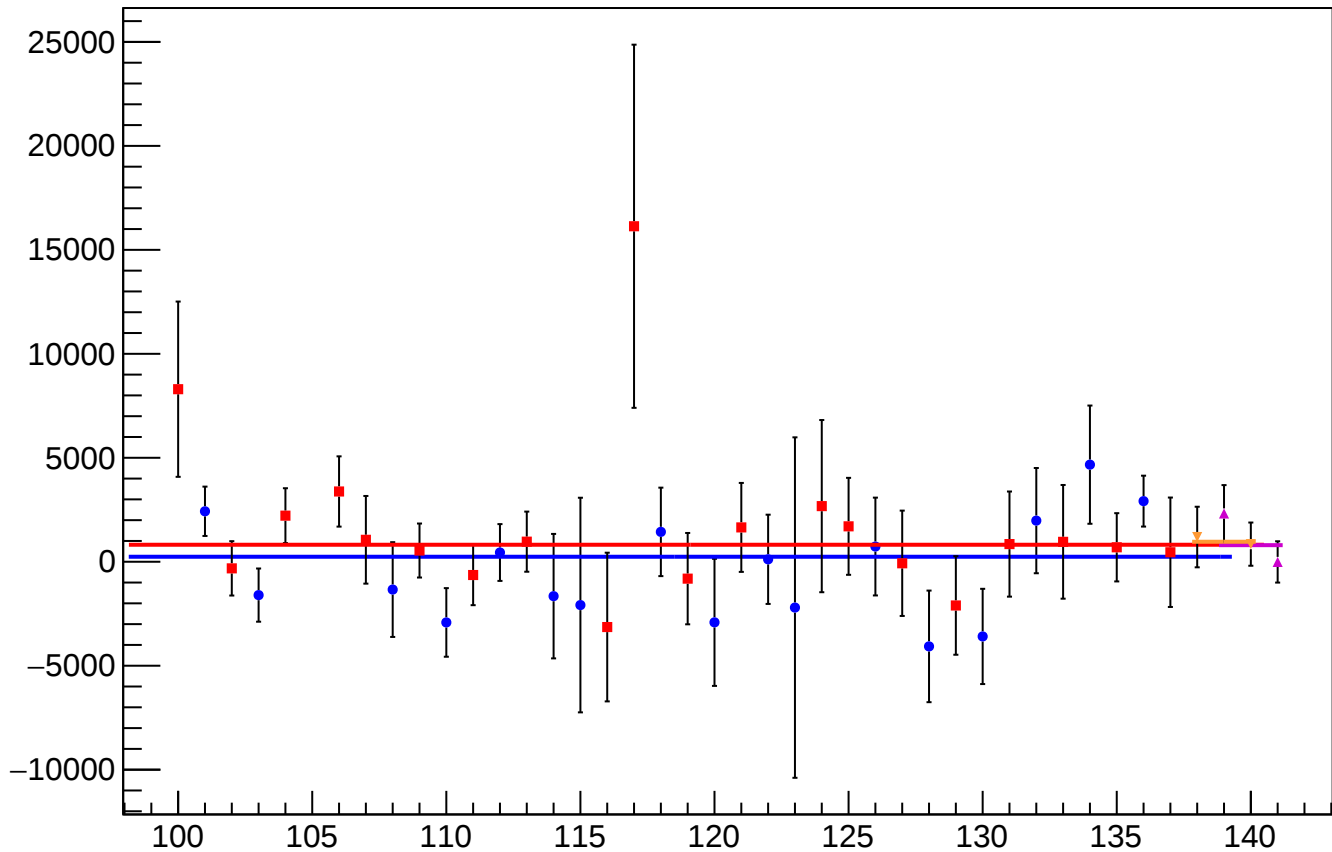
Right Out: 1125.946 +/- 0.307 χ^2/NDF : 780195.3/19

Left In: 987.338 +/- 0.563 χ^2/NDF : 41747.6/1

1128.922 +/- 0.287 χ^2/NDF : 803057.5/18

1094.174 +/- 0.270 χ^2/NDF : 868581.9/21

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 962.325 $\pm$ 845.872 χ^2 /NDF: 0.0/1

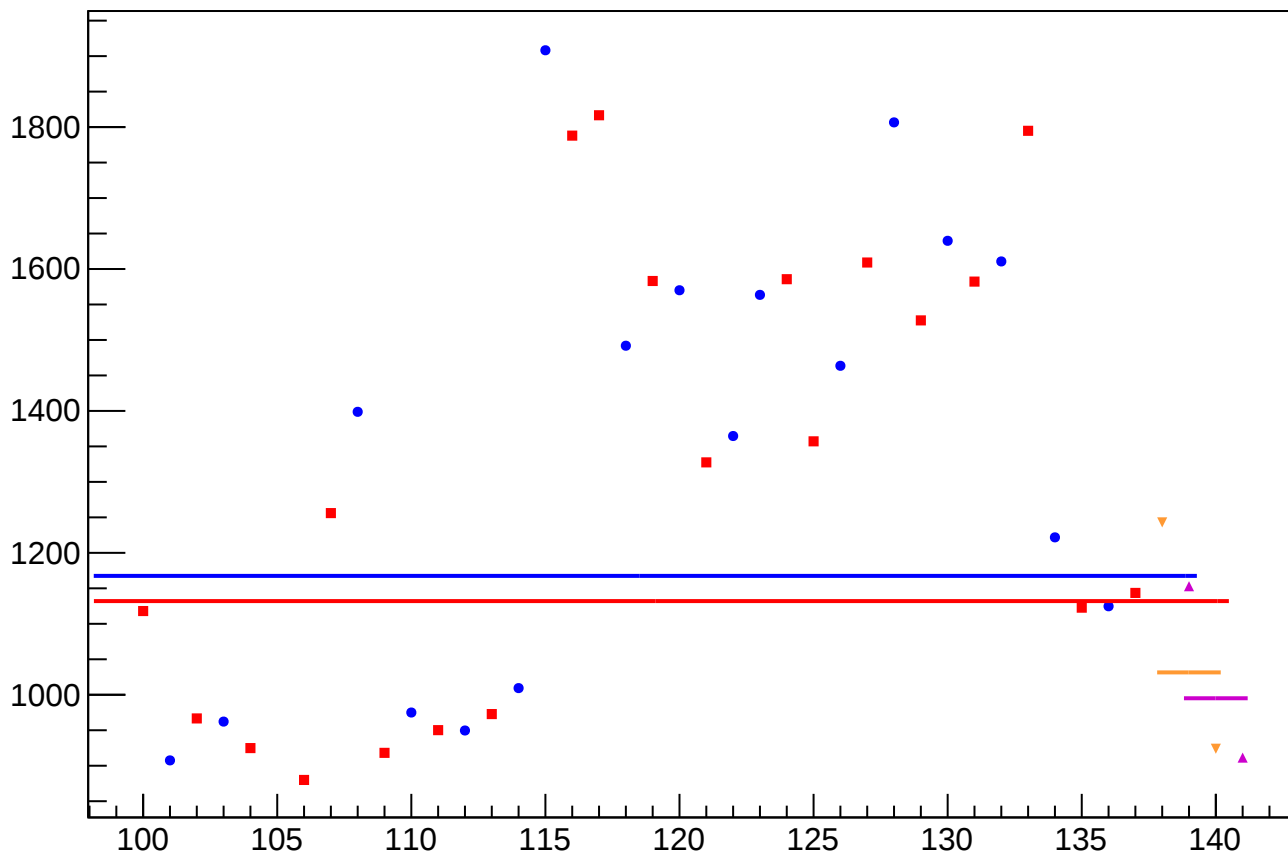
Right Out: 817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

Left In: 798.093 $\pm$ 802.958 χ^2 /NDF: 1.9/1

409.318 $\pm$ 408.855 χ^2 /NDF: 25.4/18

813.170 $\pm$ 383.795 χ^2 /NDF: 17.3/21

asym_sam_48_dd_rms vs Slug



Right In: 1167.539+/-0.330 χ^2/NDF : 690485.6/16

Left Out: 1031.520+/-0.598 χ^2/NDF : 63565.9/1

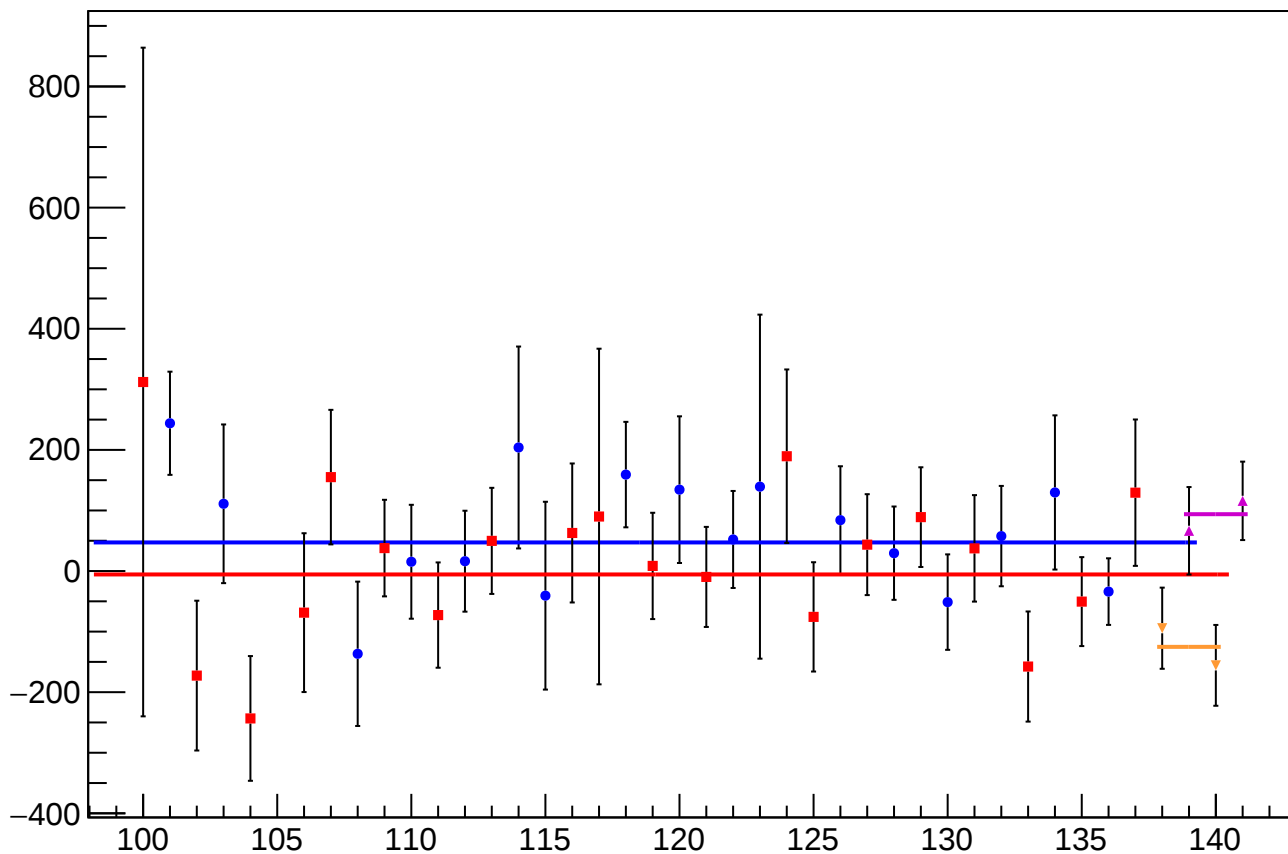
Right Out: 1132.019+/-0.309 χ^2/NDF : 773827.8/19

Left In: 995.074+/-0.568 χ^2/NDF : 40959.6/1

1135.761+/-0.289 χ^2/NDF : 793684.1/18

1100.732+/-0.271 χ^2/NDF : 859671.9/21

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -125.180 $\pm$ 47.275 χ^2 /NDF: 0.4/1

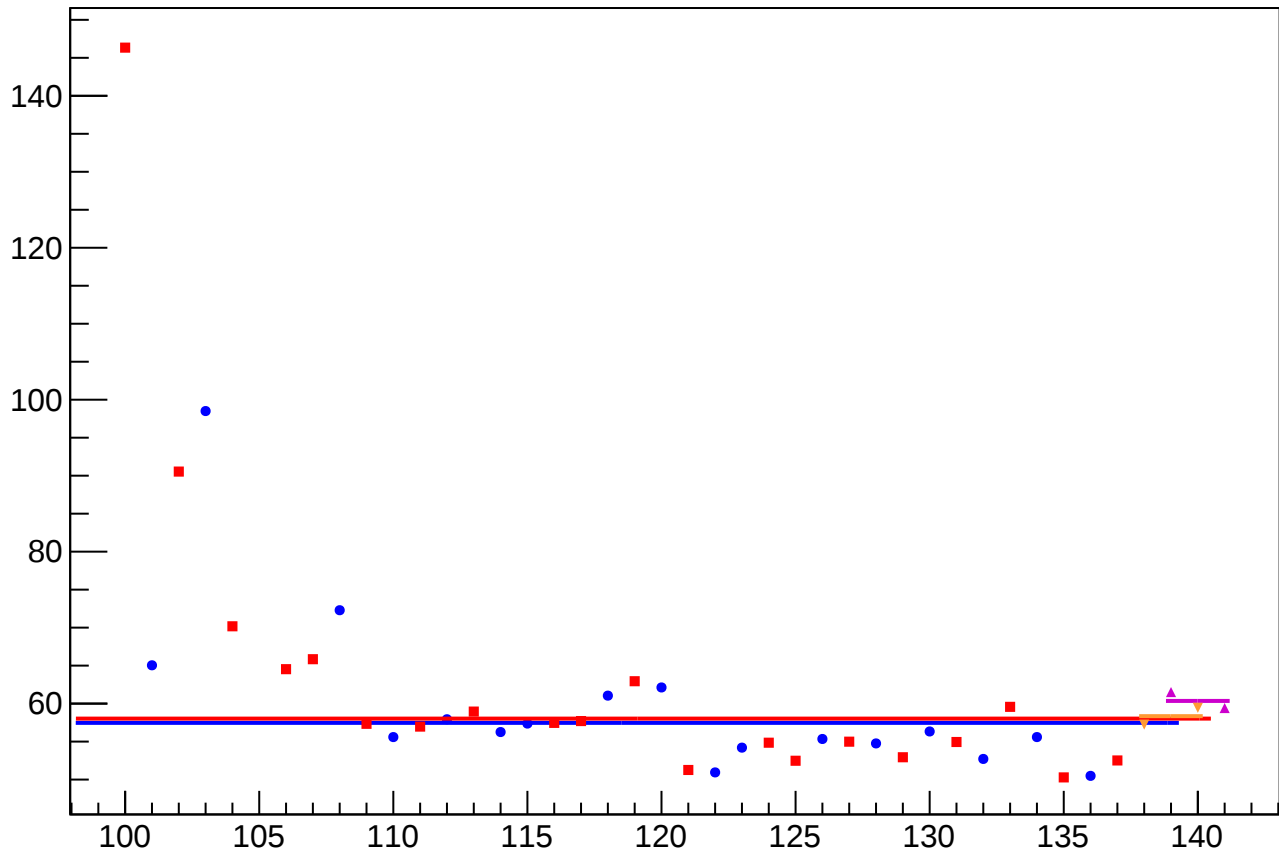
Right Out: -5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

Left In: 93.848 $\pm$ 48.215 χ^2 /NDF: 0.3/1

15.231 $\pm$ 20.364 χ^2 /NDF: 27.4/18

11.581 $\pm$ 20.058 χ^2 /NDF: 24.2/21

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 58.347+/-0.033 χ^2/NDF : 1097.9/1

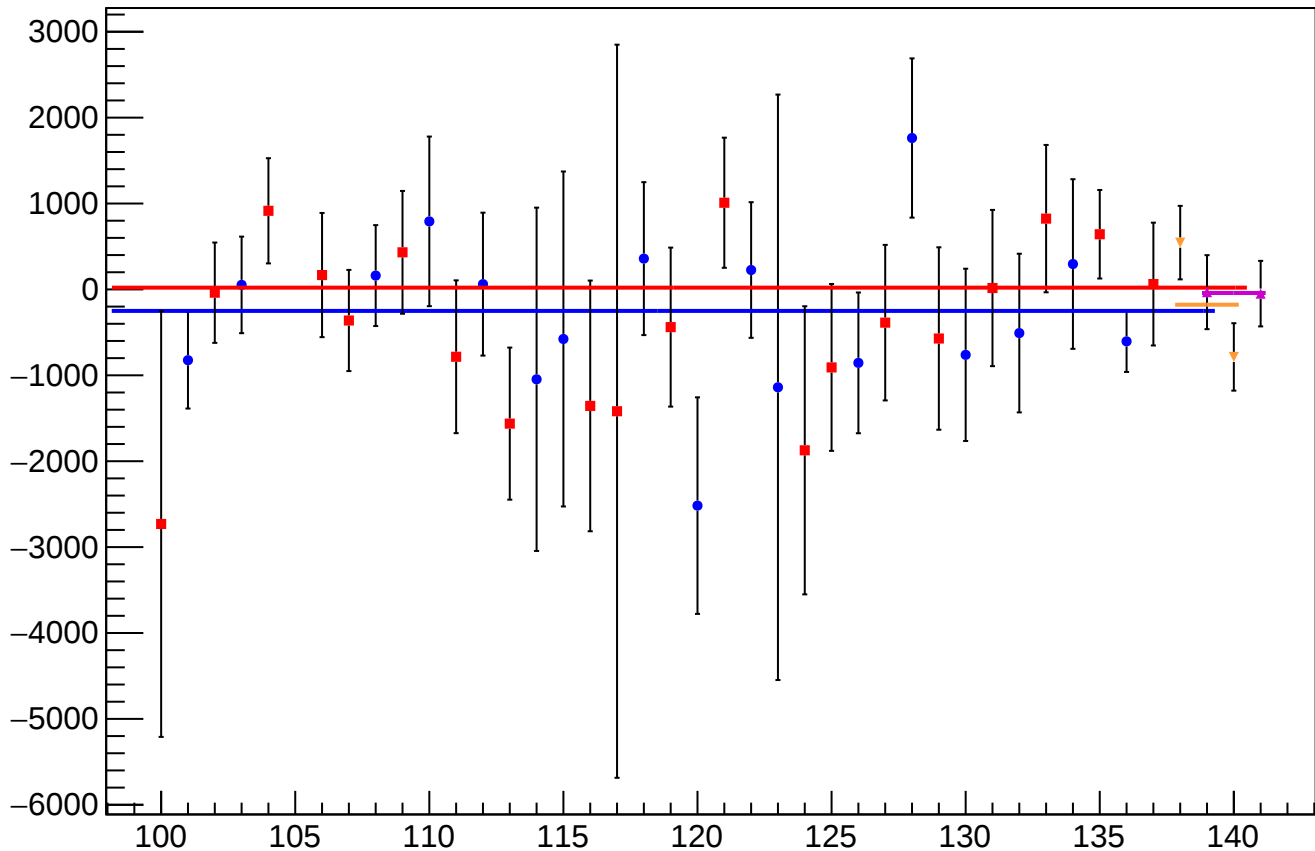
Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

Left In: 60.352+/-0.034 χ^2/NDF : 938.7/1

57.629+/-0.014 χ^2/NDF : 308820.3/18

58.428+/-0.014 χ^2/NDF : 305583.4/21

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140+/-184.092 χ^2/NDF : 14.3/16

Left Out: -177.757+/-289.237 χ^2/NDF : 5.3/1

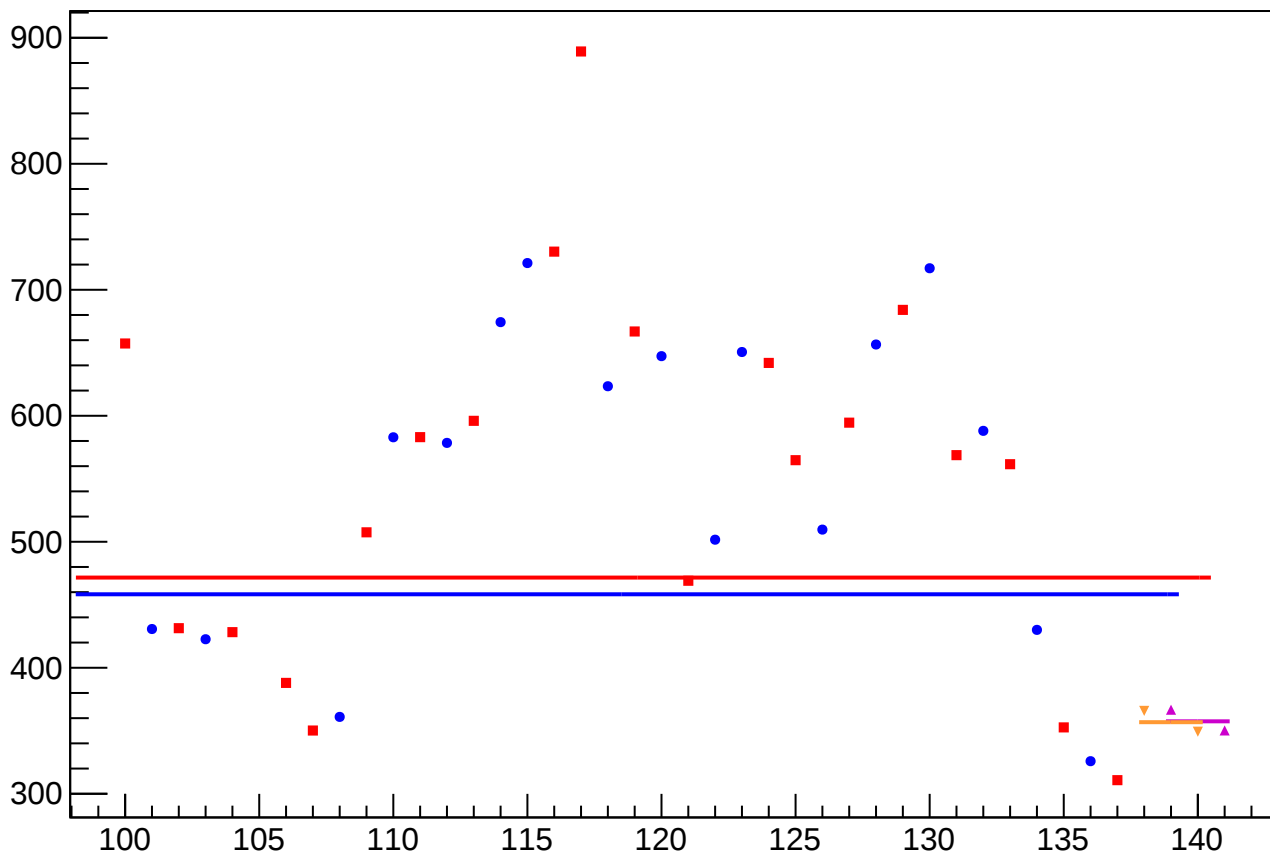
Right Out: 20.701+/-181.669 χ^2/NDF : 16.2/19

Left In: -41.474+/-285.599 χ^2/NDF : 0.0/1

-229.271+/-155.303 χ^2/NDF : 19.6/18

2.791+/-153.286 χ^2/NDF : 16.2/21

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324 $\pm$ 0.130 χ^2/NDF : 877201.7/16

Left Out: 356.812 $\pm$ 0.205 χ^2/NDF :1619.1/1

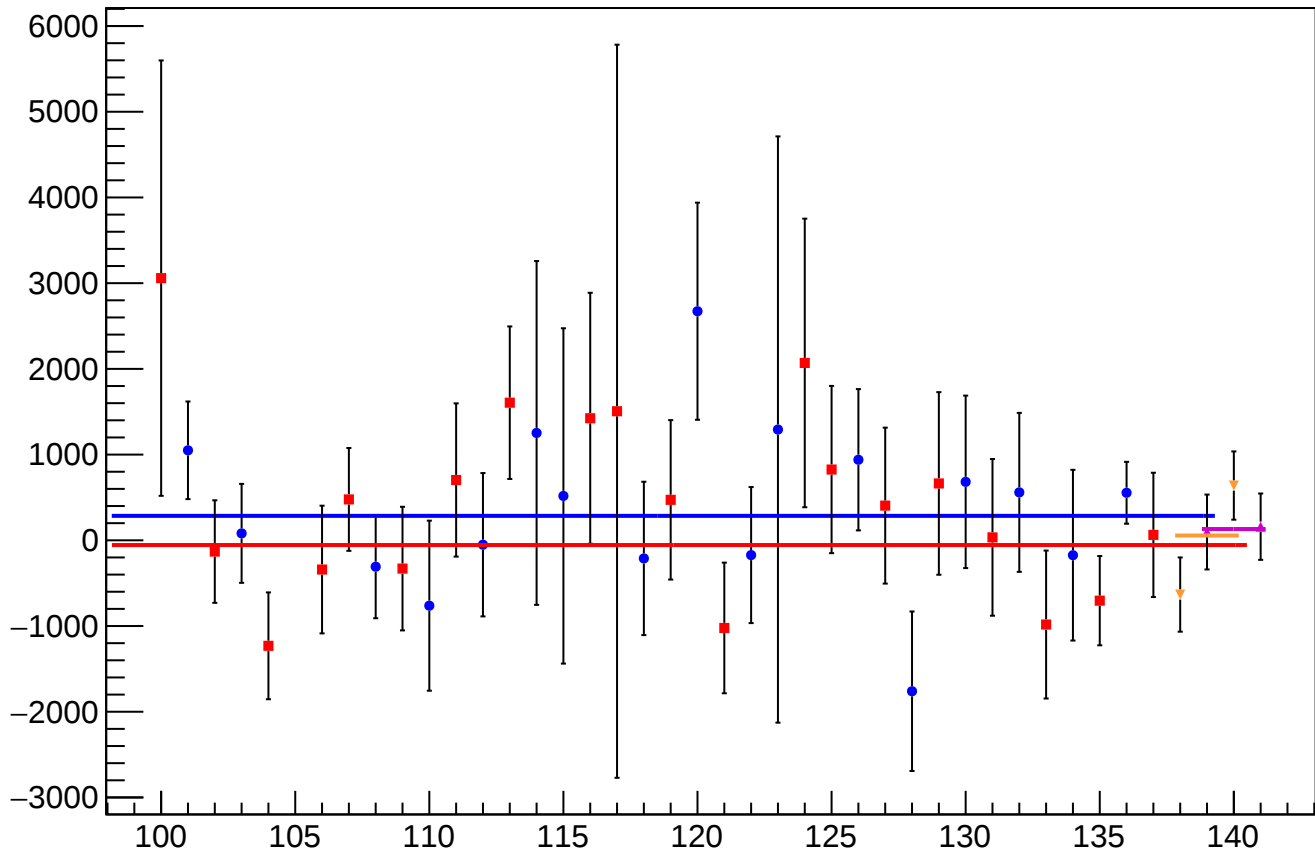
Right Out: 471.585 $\pm$ 0.128 χ^2/NDF : 797816.0/19

Left In: 357.493 $\pm$ 0.202 χ^2/NDF :1635.1/1

429.057 $\pm$ 0.110 χ^2/NDF : 1054148.9/18

438.719 $\pm$ 0.108 χ^2/NDF : 1026683.0/21

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 56.231 ± 293.174 $\chi^2/\text{NDF}: 4.7/1$

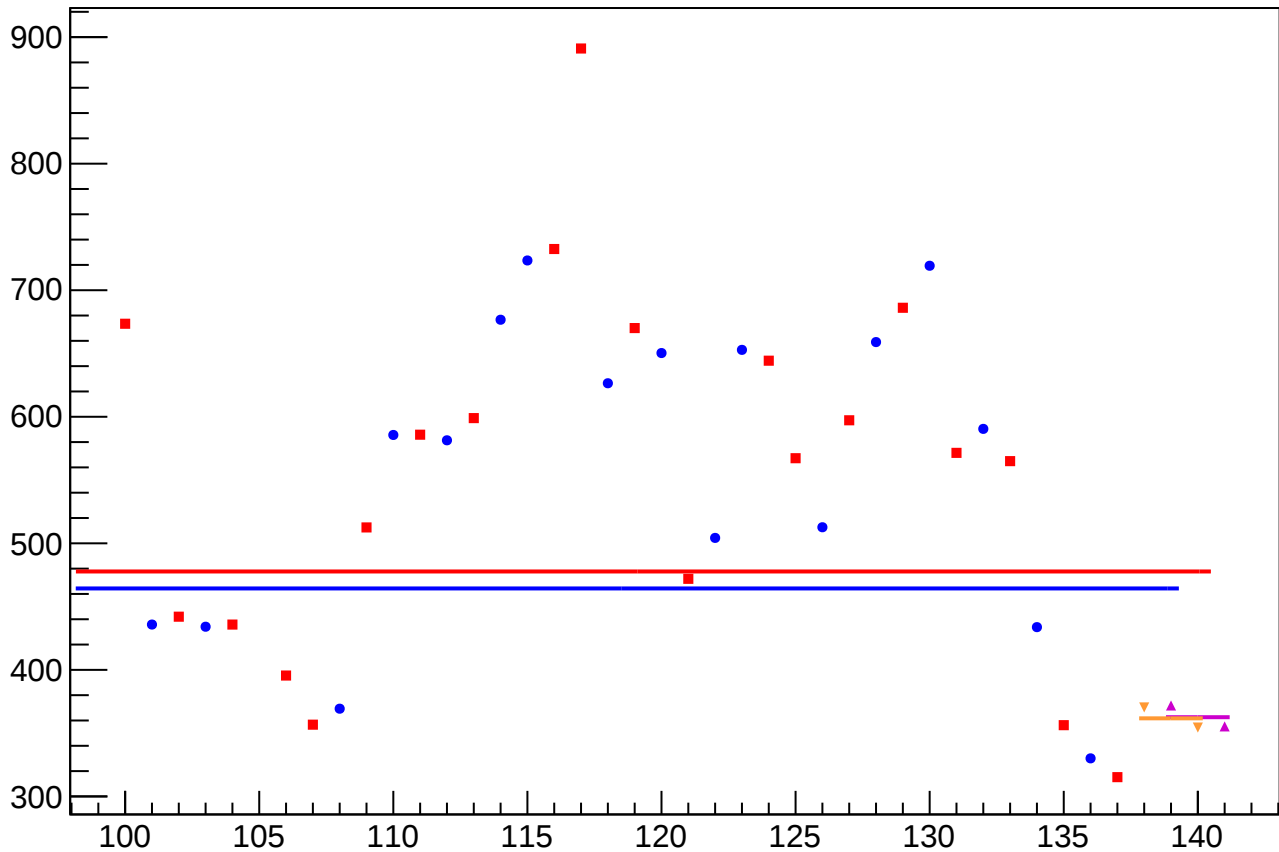
Right Out: -55.109 ± 183.903 $\chi^2/\text{NDF}: 19.3/19$

Left In: 131.659 ± 289.671 $\chi^2/\text{NDF}: 0.0/1$

219.462 ± 157.216 $\chi^2/\text{NDF}: 20.3/18$

-1.456 ± 155.257 $\chi^2/\text{NDF}: 19.6/21$

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 361.702 $\pm$ 0.207 χ^2 /NDF:1459.4/1

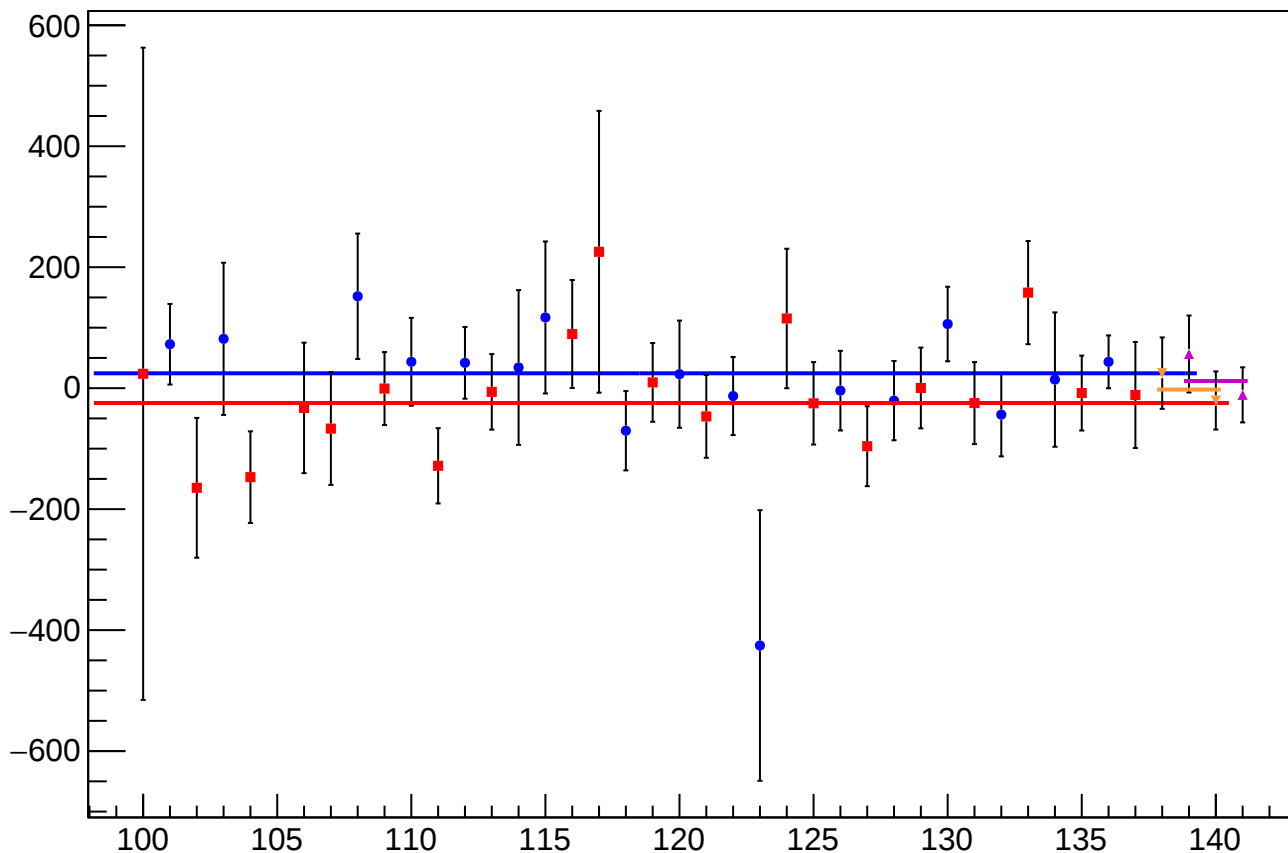
Right Out: 477.754 $\pm$ 0.130 χ^2 /NDF: 768041.0/19

Left In: 362.601 $\pm$ 0.205 χ^2 /NDF:1605.7/1

434.825 $\pm$ 0.111 χ^2 /NDF: 1021999.9/18

444.674 $\pm$ 0.110 χ^2 /NDF: 994915.2/21

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584+/-17.839 χ^2/NDF : 13.0/16

Left Out: -2.319+/-37.261 χ^2/NDF : 0.4/1

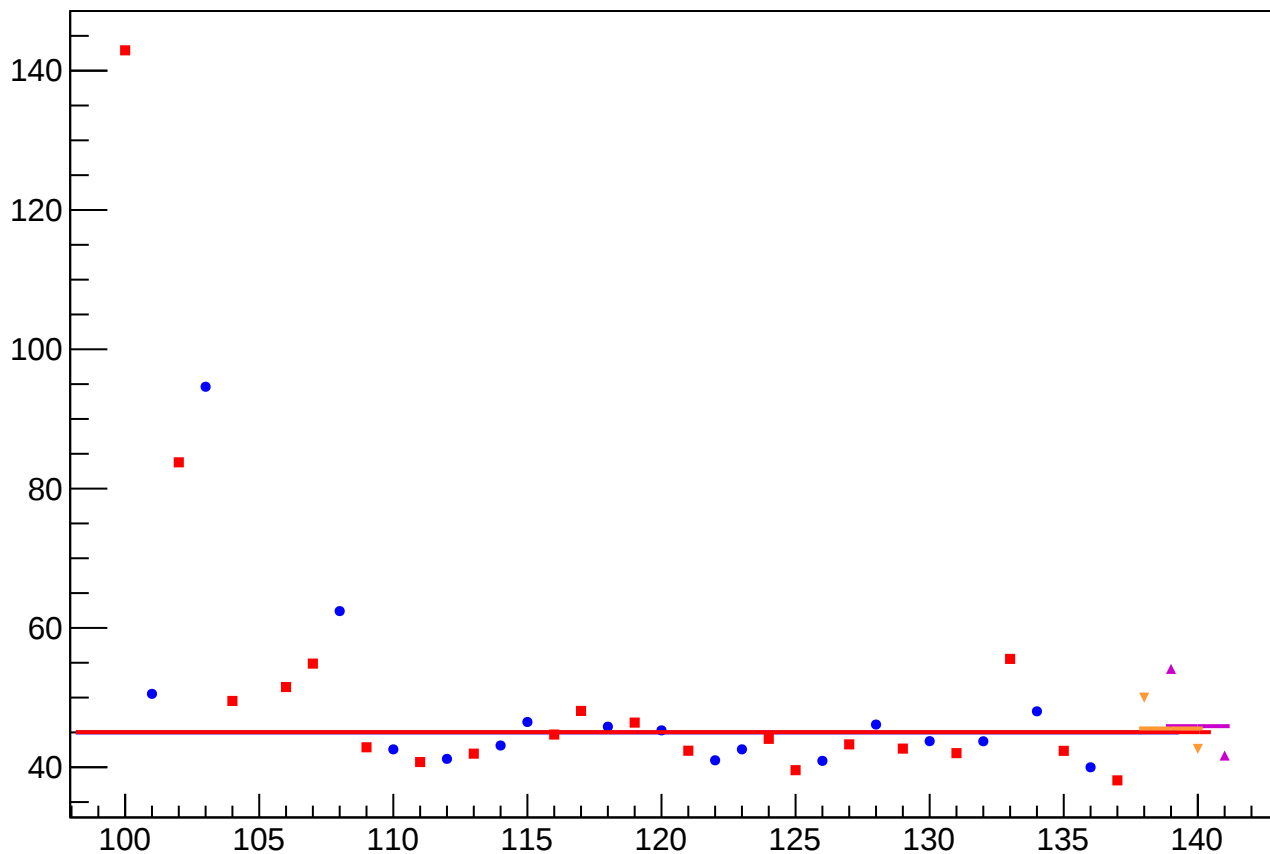
Right Out: -24.491+/-17.338 χ^2/NDF : 18.0/19

Left In: 11.848+/-37.046 χ^2/NDF : 0.7/1

19.568+/-16.090 χ^2/NDF : 13.8/18

-17.962+/-15.703 χ^2/NDF : 19.5/21

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 45.568 $\pm$ 0.026 χ^2 /NDF:18684.5/1

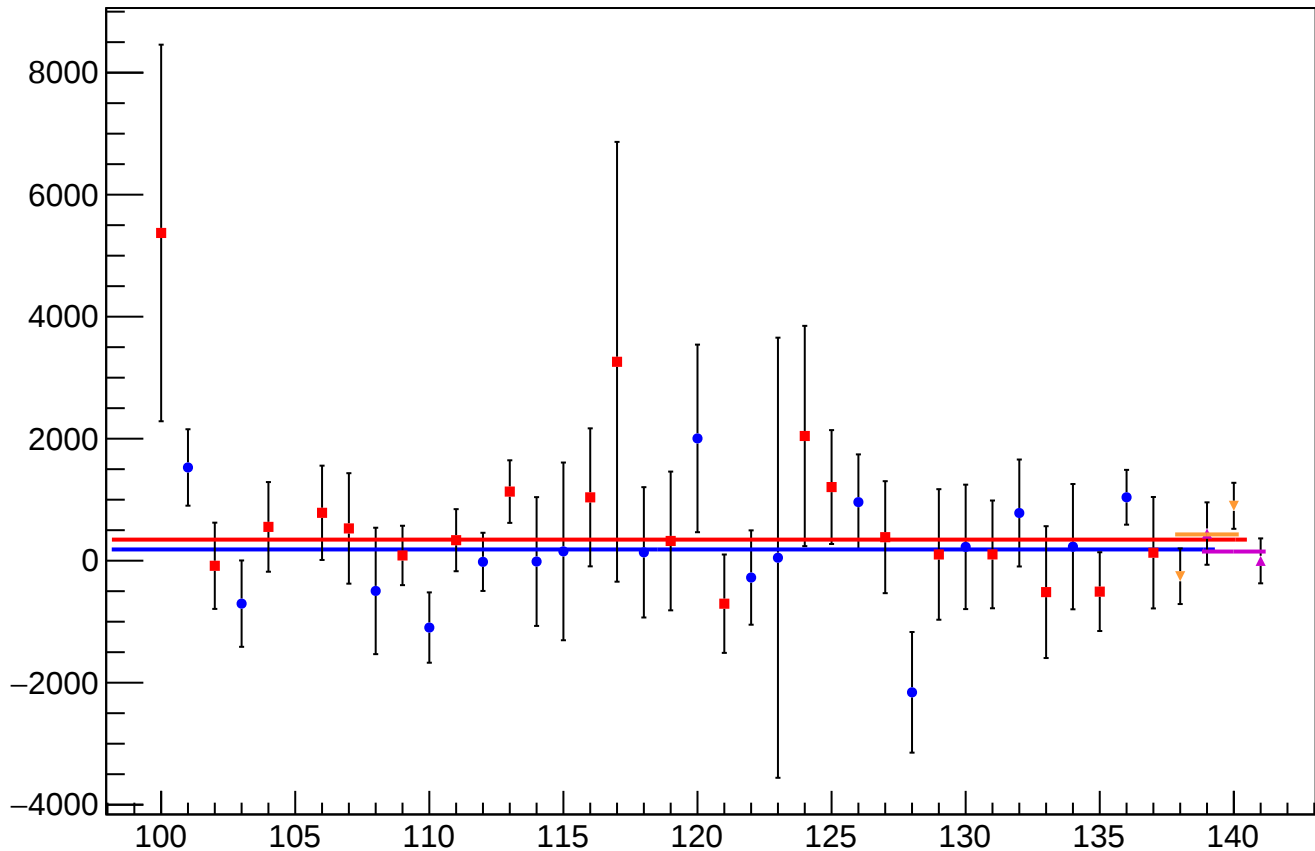
Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

Left In: 45.896 $\pm$ 0.026 χ^2 /NDF:50555.7/1

45.107 $\pm$ 0.011 χ^2 /NDF: 457413.3/18

45.189 $\pm$ 0.011 χ^2 /NDF: 467297.1/21

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 430.581 ± 290.561 χ^2/NDF : 3.8/1

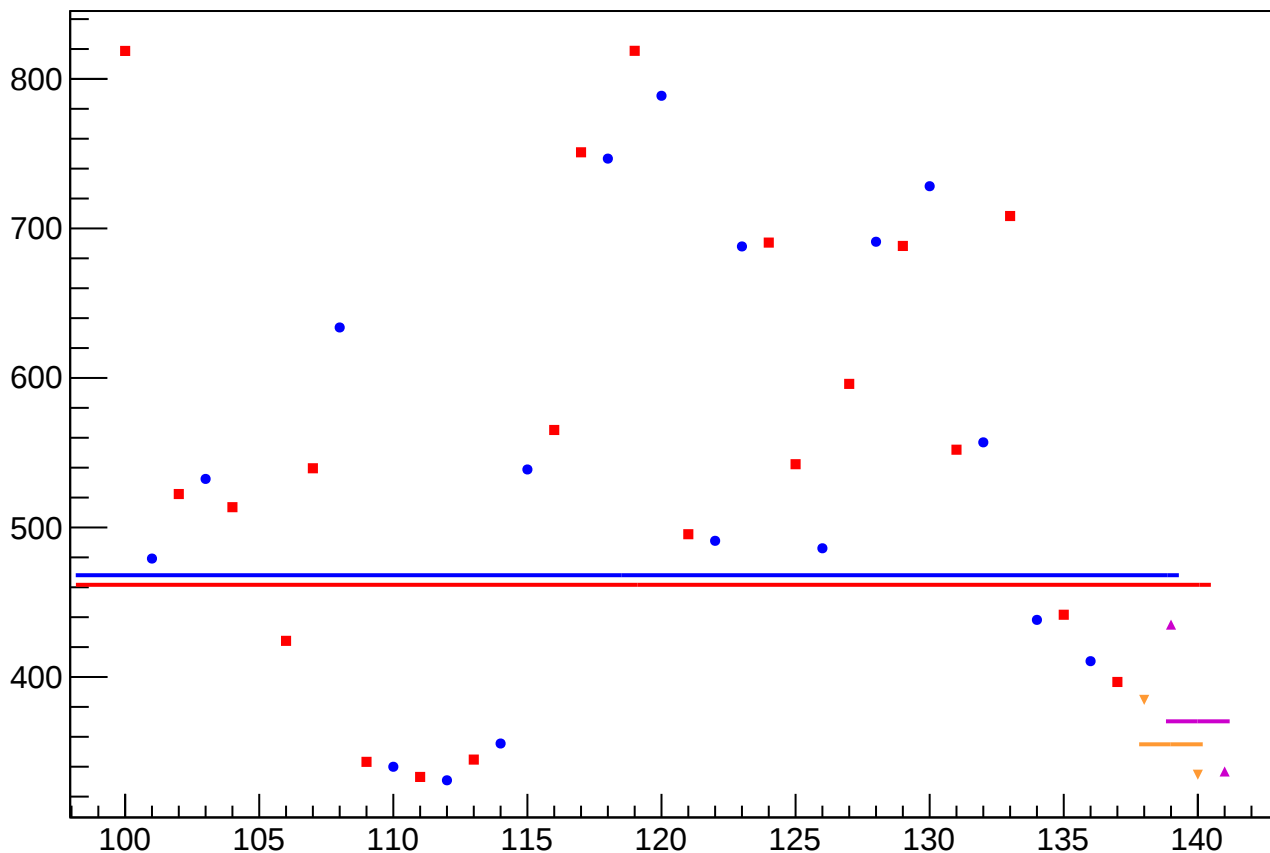
Right Out: 345.548 ± 179.160 χ^2/NDF : 13.1/19

Left In: 149.983 ± 298.870 χ^2/NDF : 0.5/1

257.200 ± 158.171 χ^2/NDF : 28.5/18

293.850 ± 153.665 χ^2/NDF : 14.0/21

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 354.982+/-0.205 χ^2/NDF :14314.6/1

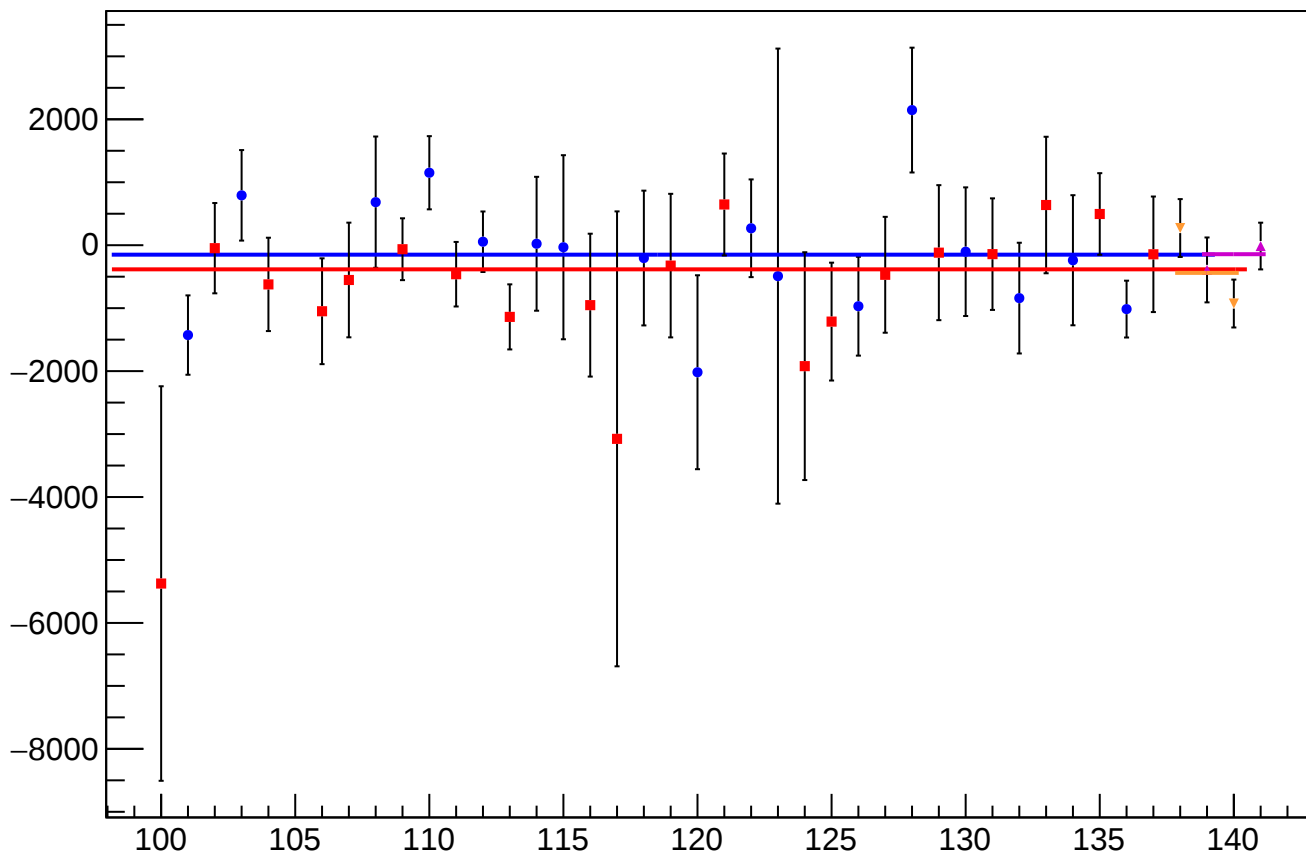
Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

Left In: 370.354+/-0.211 χ^2/NDF :48569.7/1

434.559+/-0.112 χ^2/NDF : 1107824.4/18

437.520+/-0.109 χ^2/NDF : 1153814.6/21

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 $\chi^2/\text{NDF}: 24.2/16$

Left Out: -439.533 ± 292.969 $\chi^2/\text{NDF}: 4.0/1$

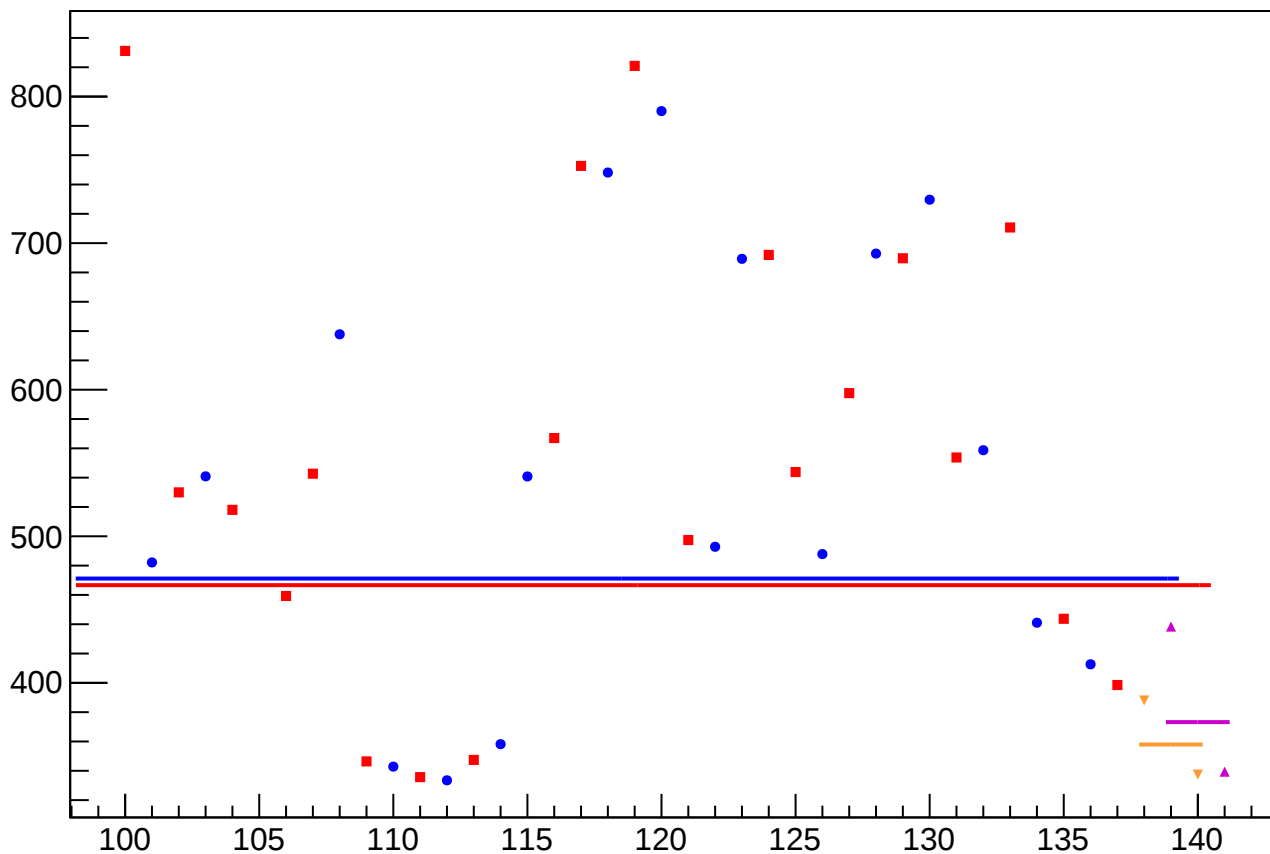
Right Out: -383.331 ± 181.030 $\chi^2/\text{NDF}: 13.0/19$

Left In: -142.785 ± 301.174 $\chi^2/\text{NDF}: 0.4/1$

-235.764 ± 159.251 $\chi^2/\text{NDF}: 28.9/18$

-319.488 ± 155.158 $\chi^2/\text{NDF}: 13.8/21$

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 357.937+/-0.207 χ^2/NDF :14375.4/1

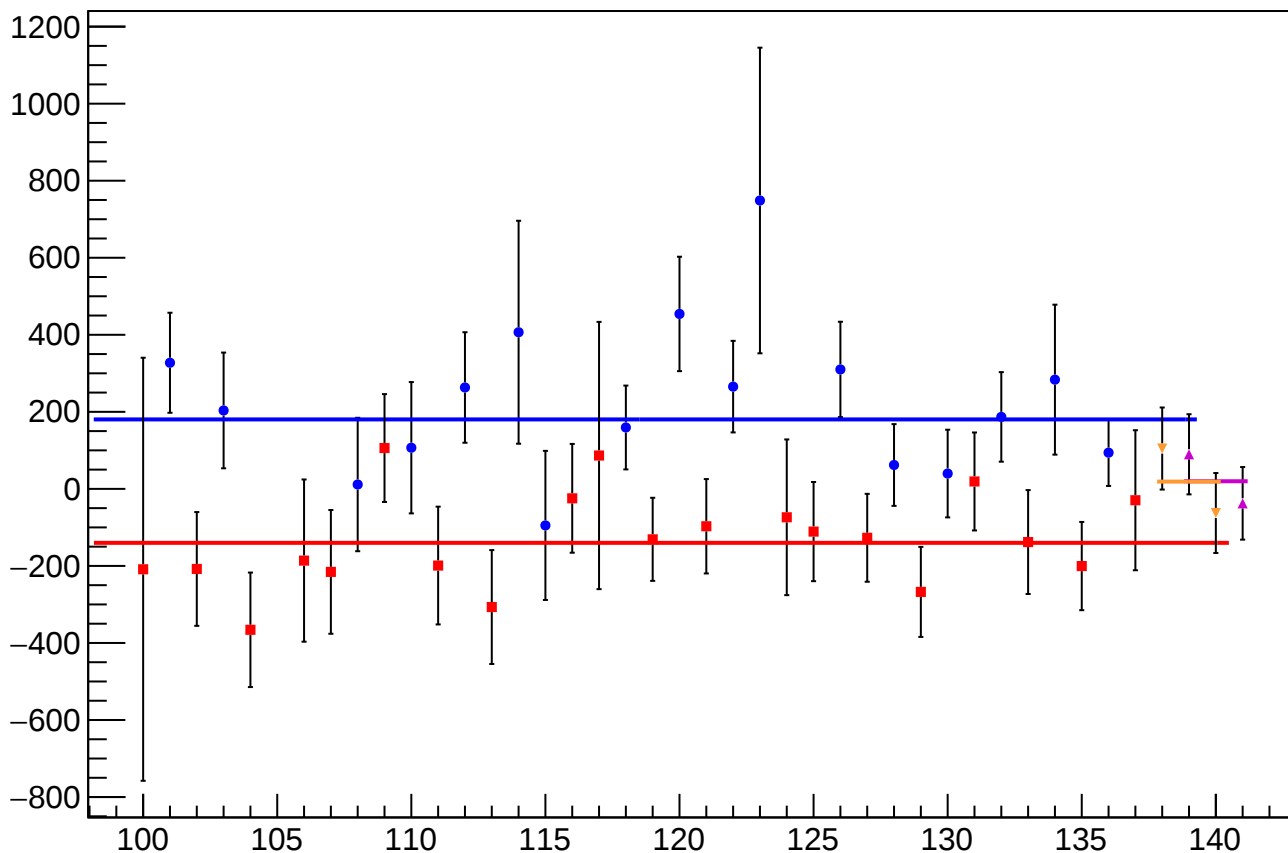
Right Out: 466.655+/-0.128 χ^2/NDF : 953088.6/19

Left In: 373.213+/-0.213 χ^2/NDF :48591.6/1

437.703+/-0.113 χ^2/NDF : 1096647.4/18

441.855+/-0.110 χ^2/NDF : 1143107.4/21

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: 18.880 $\pm$ 74.329 χ^2 /NDF:1.3/1

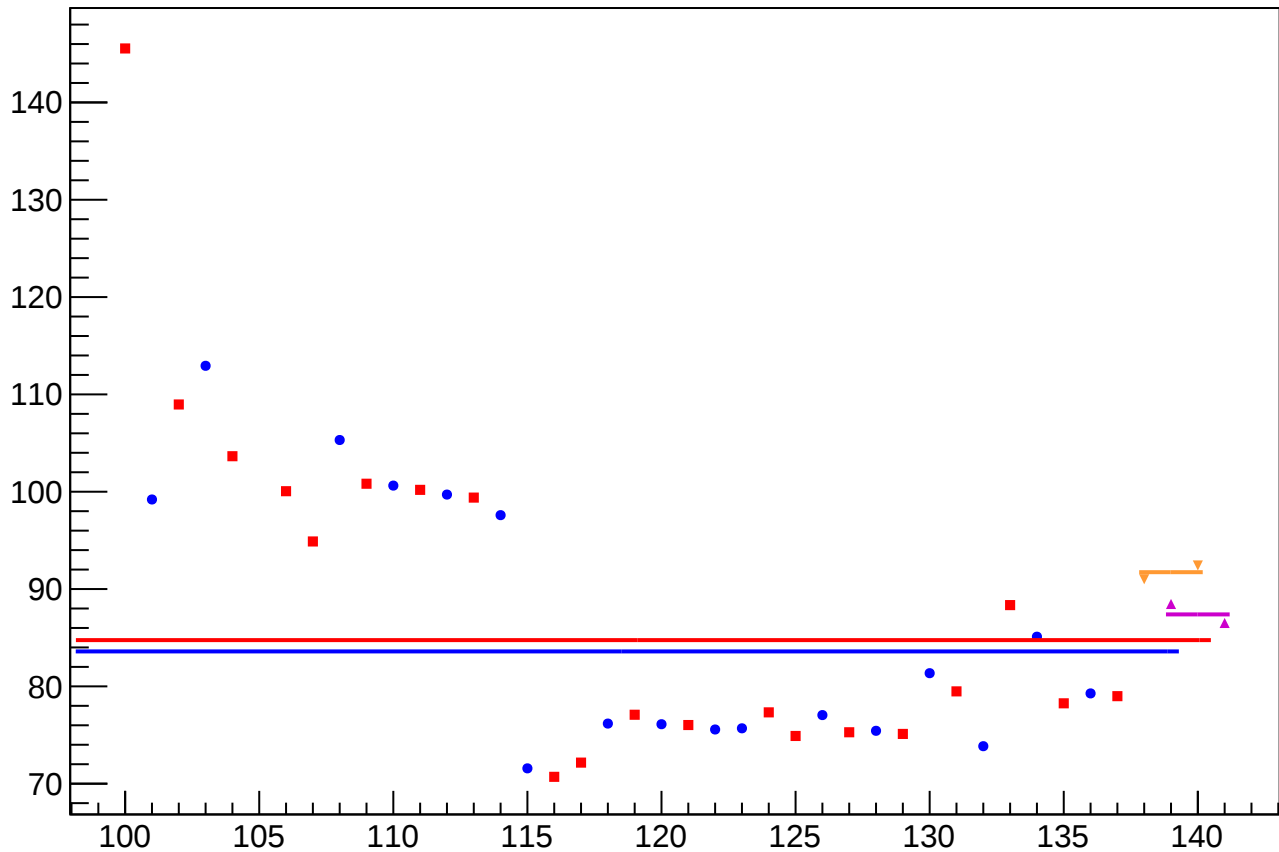
Right Out: -140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

Left In: 19.810 $\pm$ 69.837 χ^2 /NDF:0.8/1

154.053 $\pm$ 29.984 χ^2 /NDF: 21.8/18

-112.043 $\pm$ 29.240 χ^2 /NDF: 17.3/21

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 91.732+/-0.053 χ^2/NDF :181.5/1

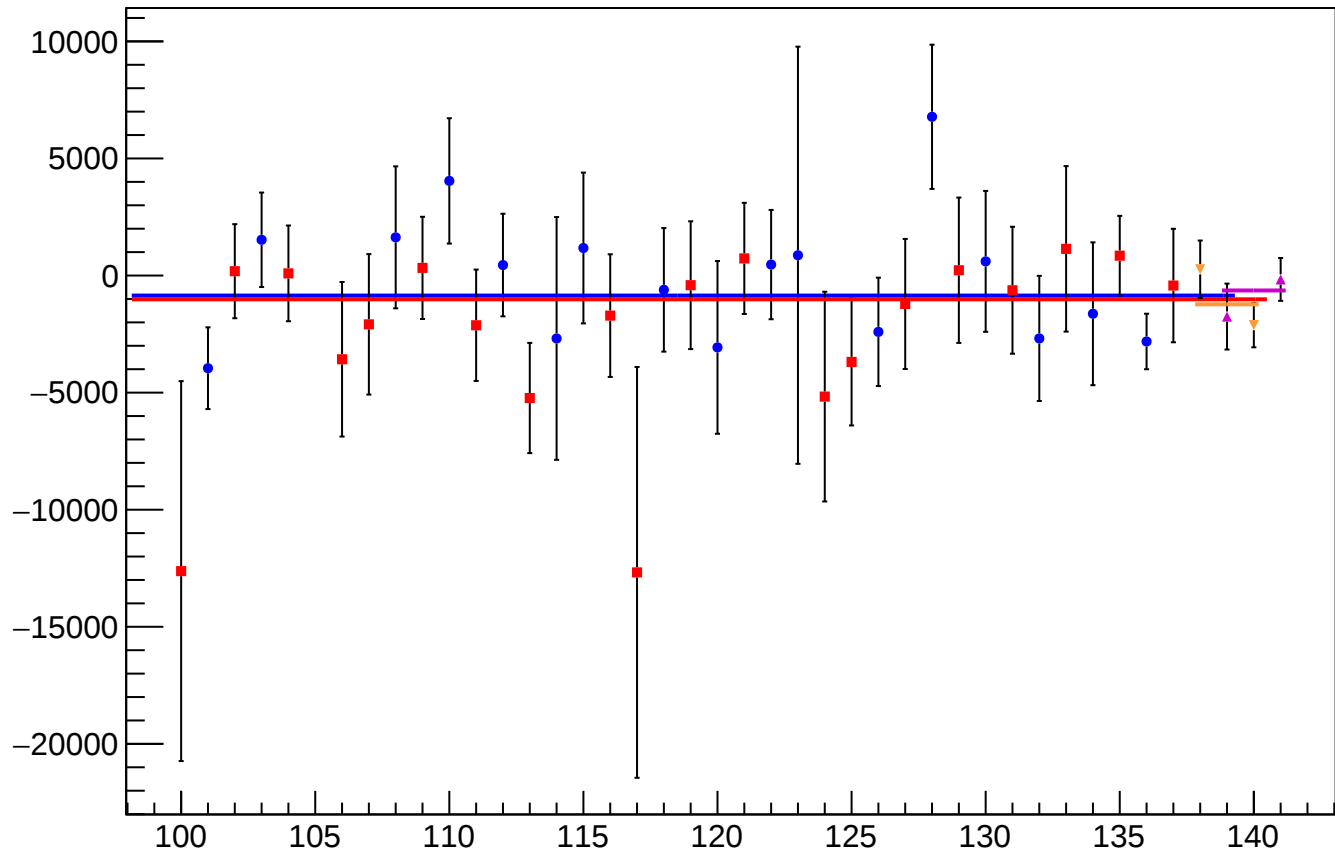
Right Out: 84.752+/-0.023 χ^2/NDF : 293262.6/19

Left In: 87.394+/-0.049 χ^2/NDF :386.8/1

84.916+/-0.021 χ^2/NDF : 276194.6/18

85.215+/-0.021 χ^2/NDF : 296010.0/21

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -1228.451+/-749.774 χ^2/NDF : 2.4/1

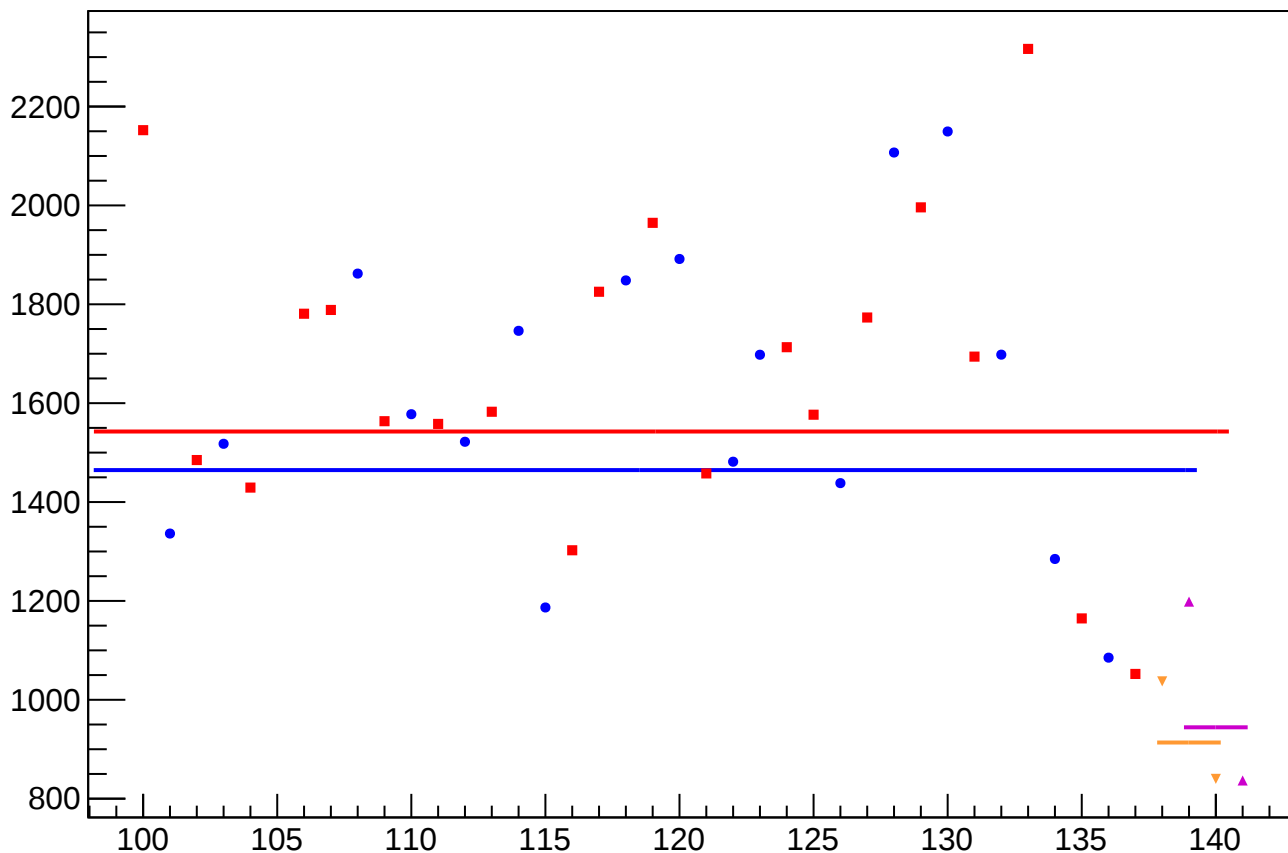
Right Out: -1015.523+/-587.747 χ^2/NDF : 13.3/19

Left In: -637.411+/-767.398 χ^2/NDF : 0.9/1

-995.994+/-460.382 χ^2/NDF : 22.8/18

-875.727+/-466.614 χ^2/NDF : 14.3/21

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2/NDF : 560863.4/16

Left Out: 913.597 $\pm$ 0.530 χ^2/NDF :32358.2/1

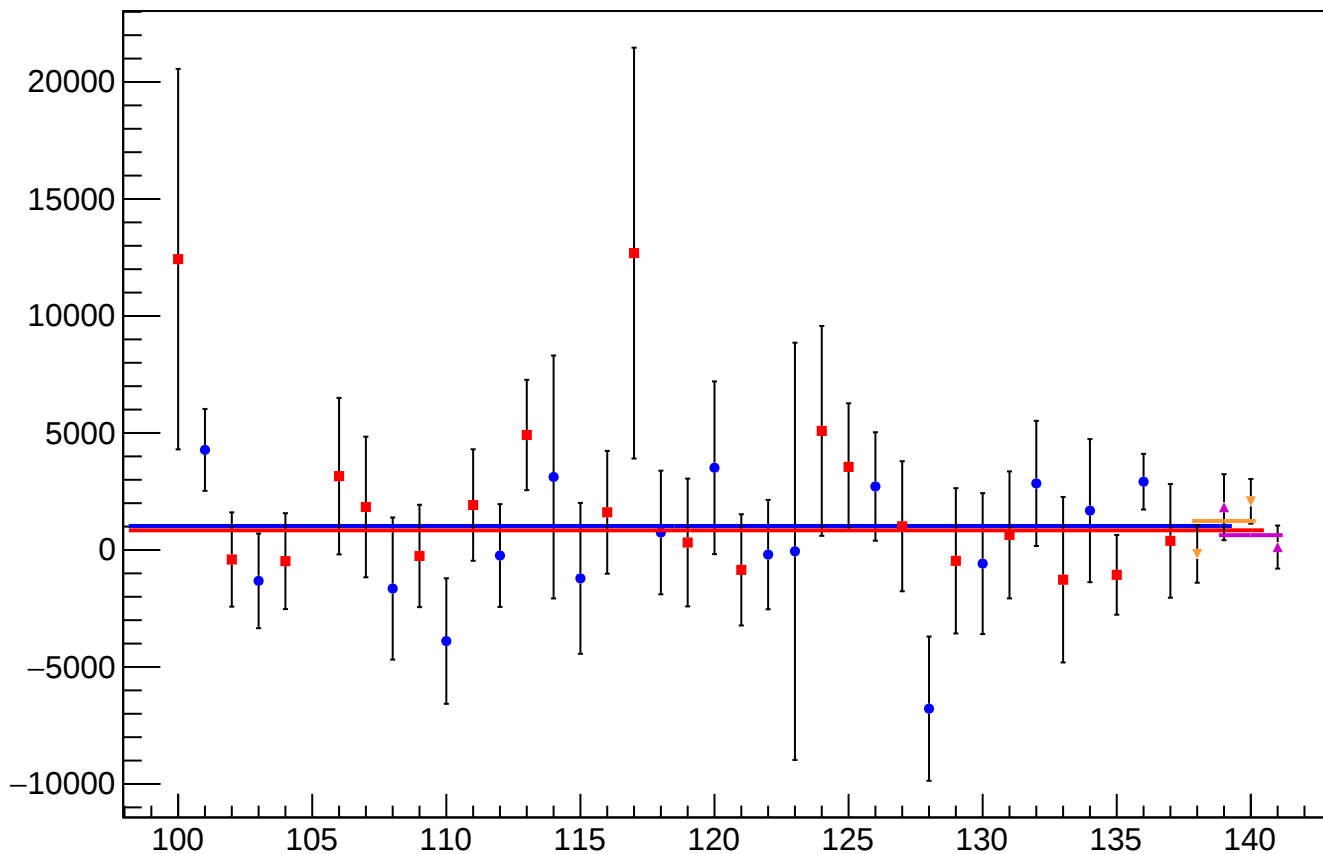
Right Out: 1542.663 $\pm$ 0.416 χ^2/NDF : 455797.2/19

Left In: 944.344 $\pm$ 0.543 χ^2/NDF :92853.4/1

1256.878 $\pm$ 0.326 χ^2/NDF : 1266199.5/18

1321.453 $\pm$ 0.330 χ^2/NDF : 1314930.4/21

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527+/-584.500 χ^2/NDF : 20.9/16

Left Out: 1238.680+/-753.800 χ^2/NDF : 2.1/1

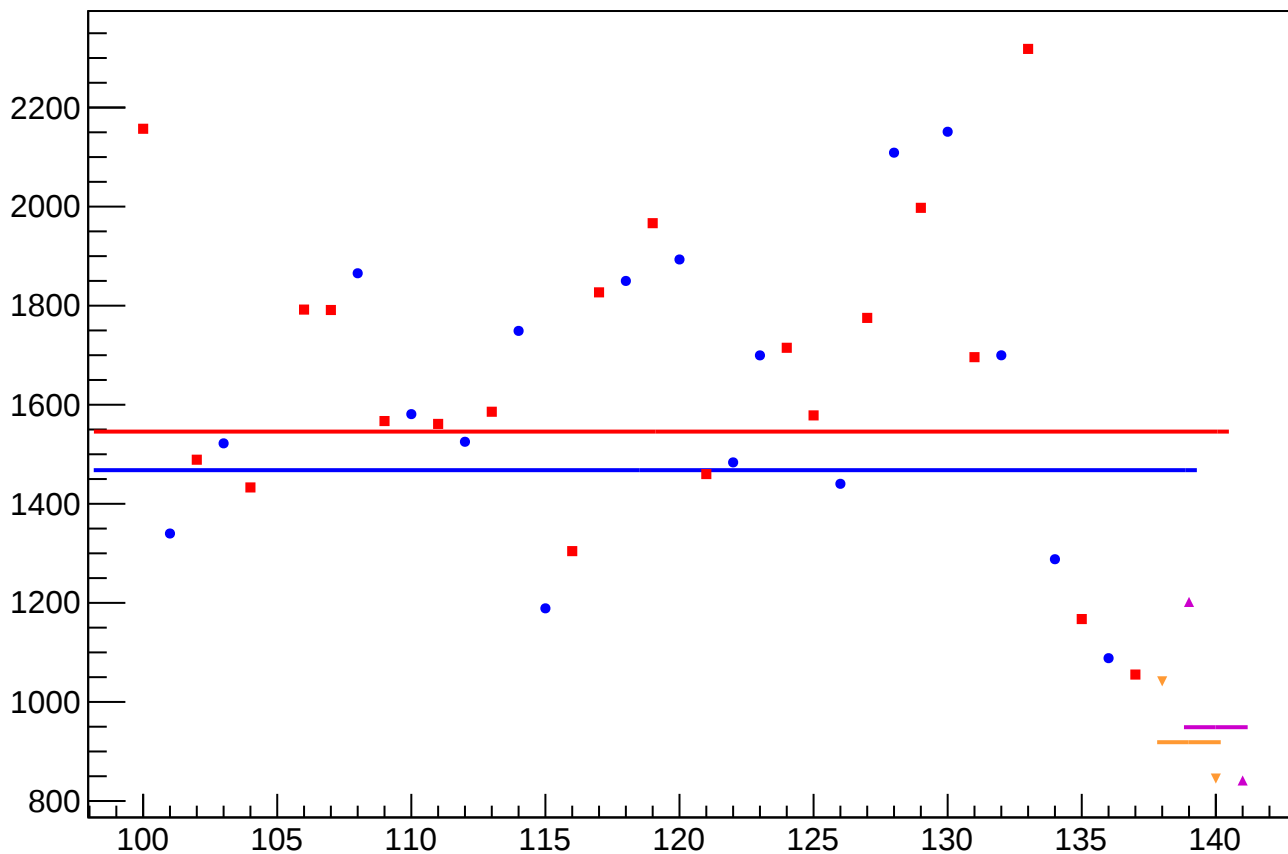
Right Out: 840.586+/-589.057 χ^2/NDF : 13.0/19

Left In: 632.541+/-770.976 χ^2/NDF : 1.0/1

1105.563+/-461.907 χ^2/NDF : 23.1/18

763.903+/-468.072 χ^2/NDF : 14.1/21

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905 $\pm$ 0.413 χ^2 /NDF: 557458.9/16

Left Out: 918.713 $\pm$ 0.533 χ^2 /NDF:31737.1/1

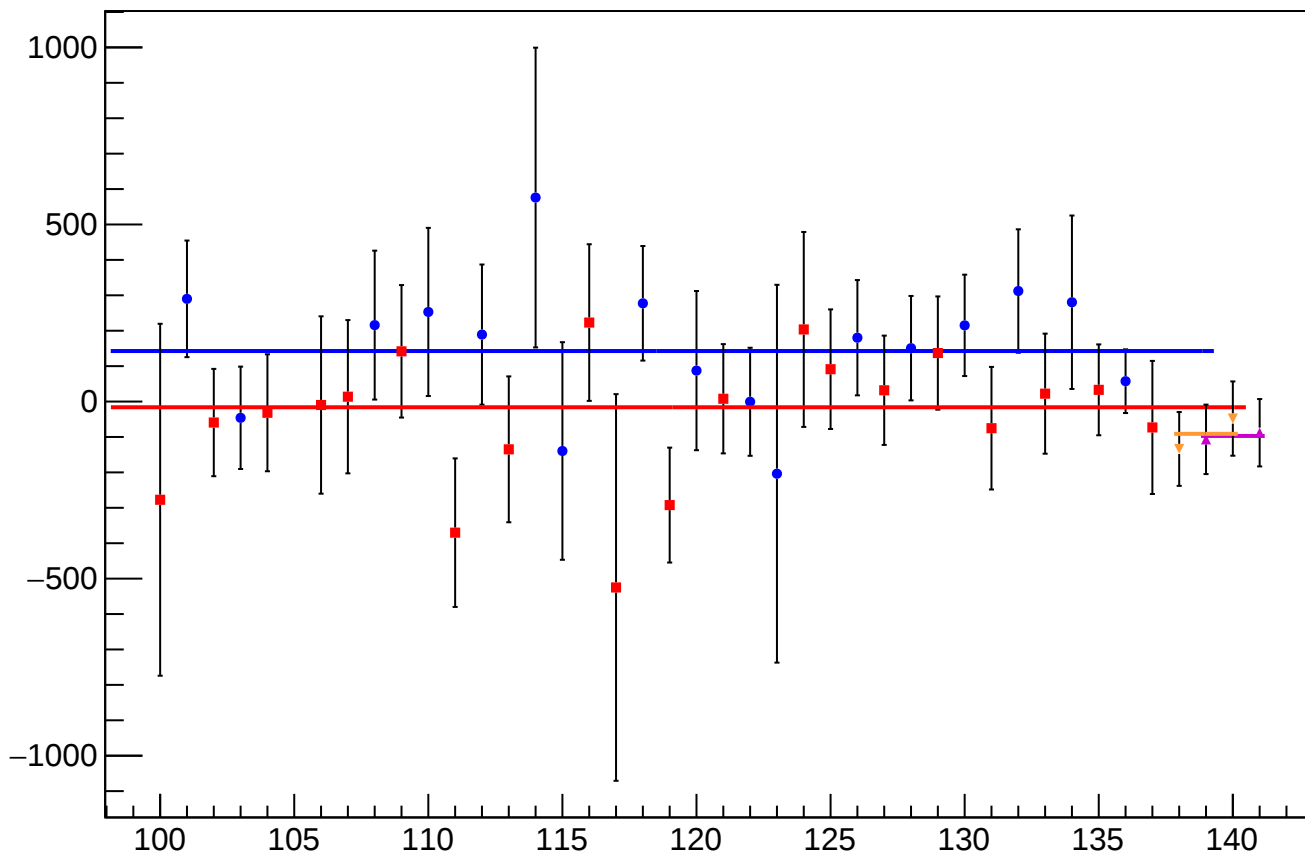
Right Out: 1545.785 $\pm$ 0.417 χ^2 /NDF: 453865.6/19

Left In: 949.004 $\pm$ 0.545 χ^2 /NDF:91523.0/1

1261.690 $\pm$ 0.327 χ^2 /NDF: 1252186.7/18

1325.817 $\pm$ 0.331 χ^2 /NDF: 1302028.5/21

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -91.163 $\pm$ 73.935 χ^2 /NDF: 0.3/1

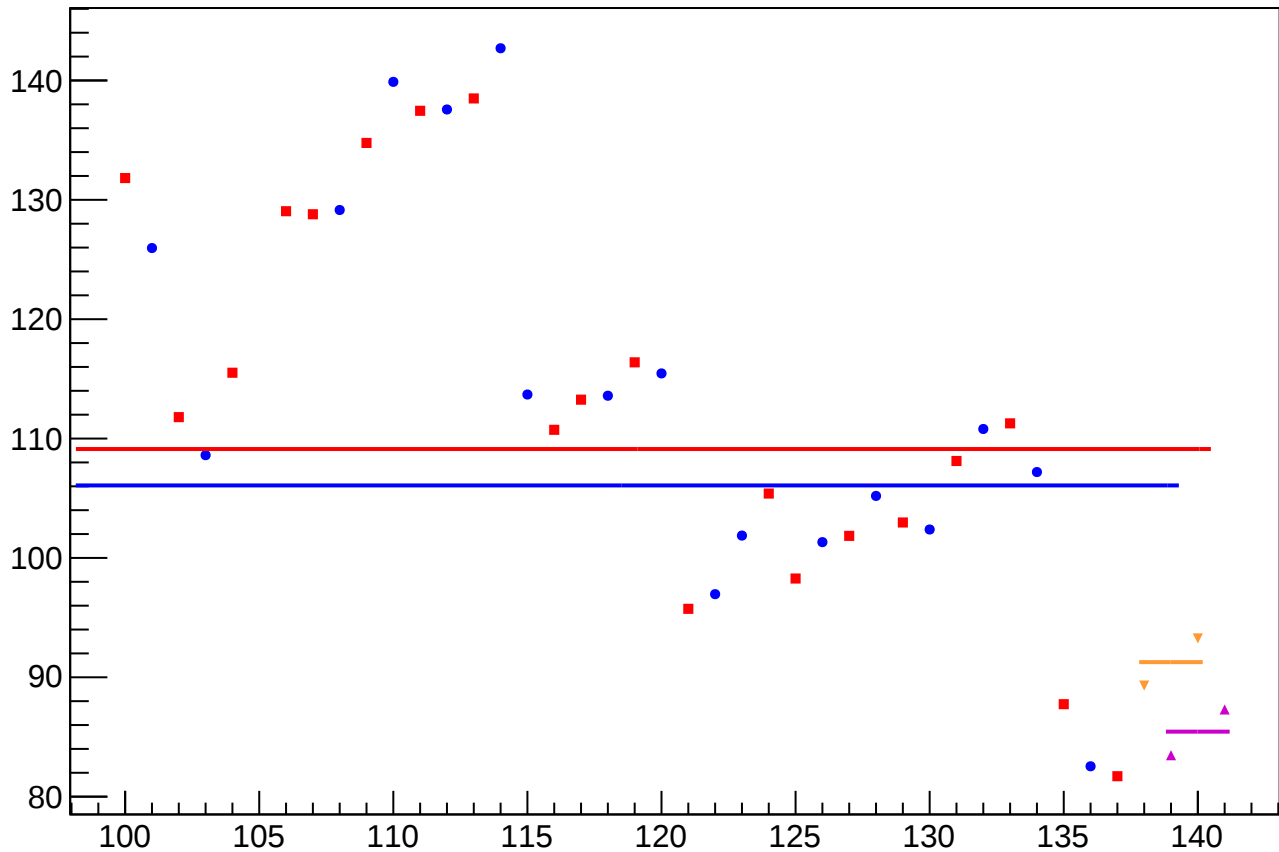
Right Out: -16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

Left In: -97.096 $\pm$ 68.269 χ^2 /NDF: 0.0/1

86.401 $\pm$ 36.272 χ^2 /NDF: 17.3/18

-37.786 $\pm$ 35.323 χ^2 /NDF: 12.8/21

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 91.270 $\pm$ 0.052 χ^2 /NDF:1427.5/1

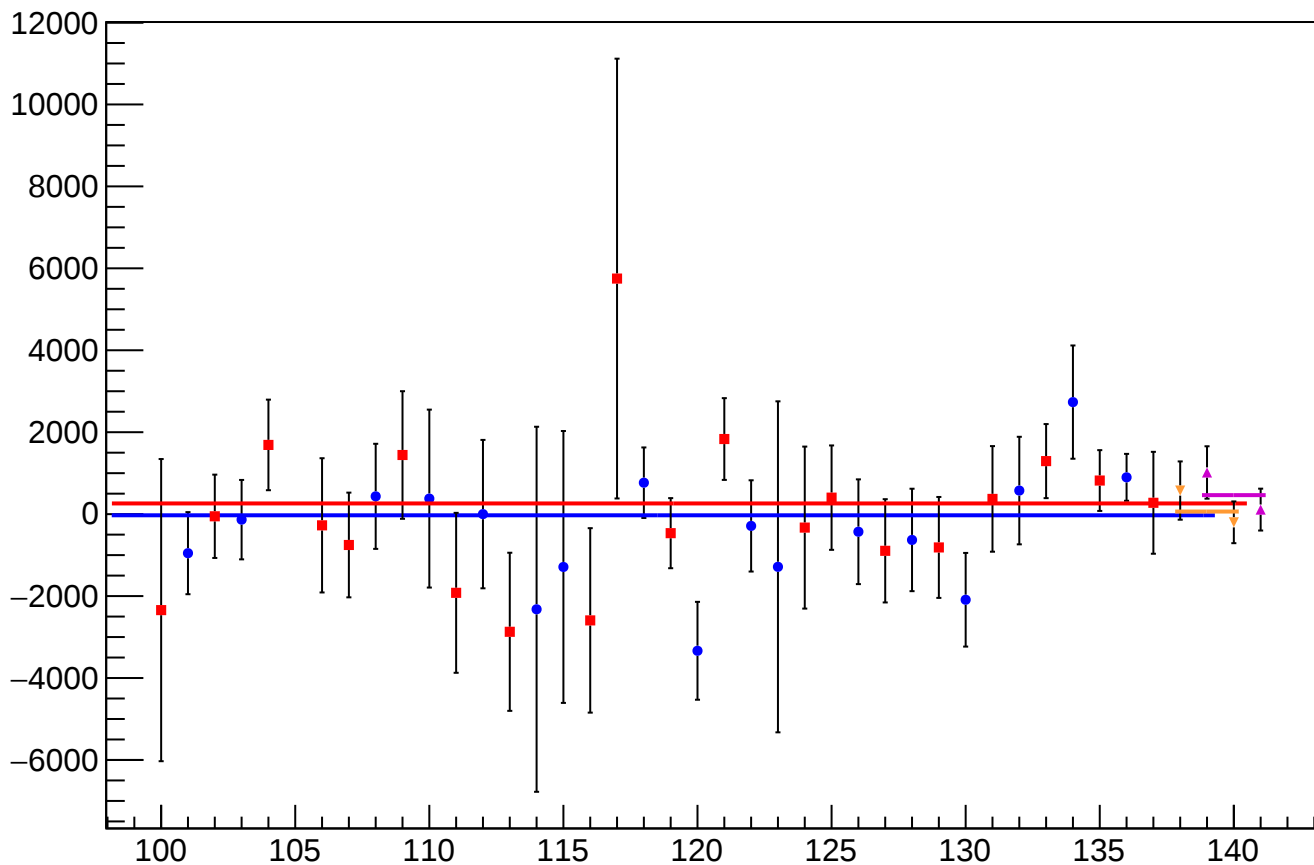
Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

Left In: 85.446 $\pm$ 0.048 χ^2 /NDF:1574.6/1

102.511 $\pm$ 0.026 χ^2 /NDF: 380217.6/18

102.785 $\pm$ 0.025 χ^2 /NDF: 463262.0/21

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 $\pm$ 283.741 χ^2/NDF : 20.5/16

Left Out: 63.497 $\pm$ 414.157 χ^2/NDF : 0.8/1

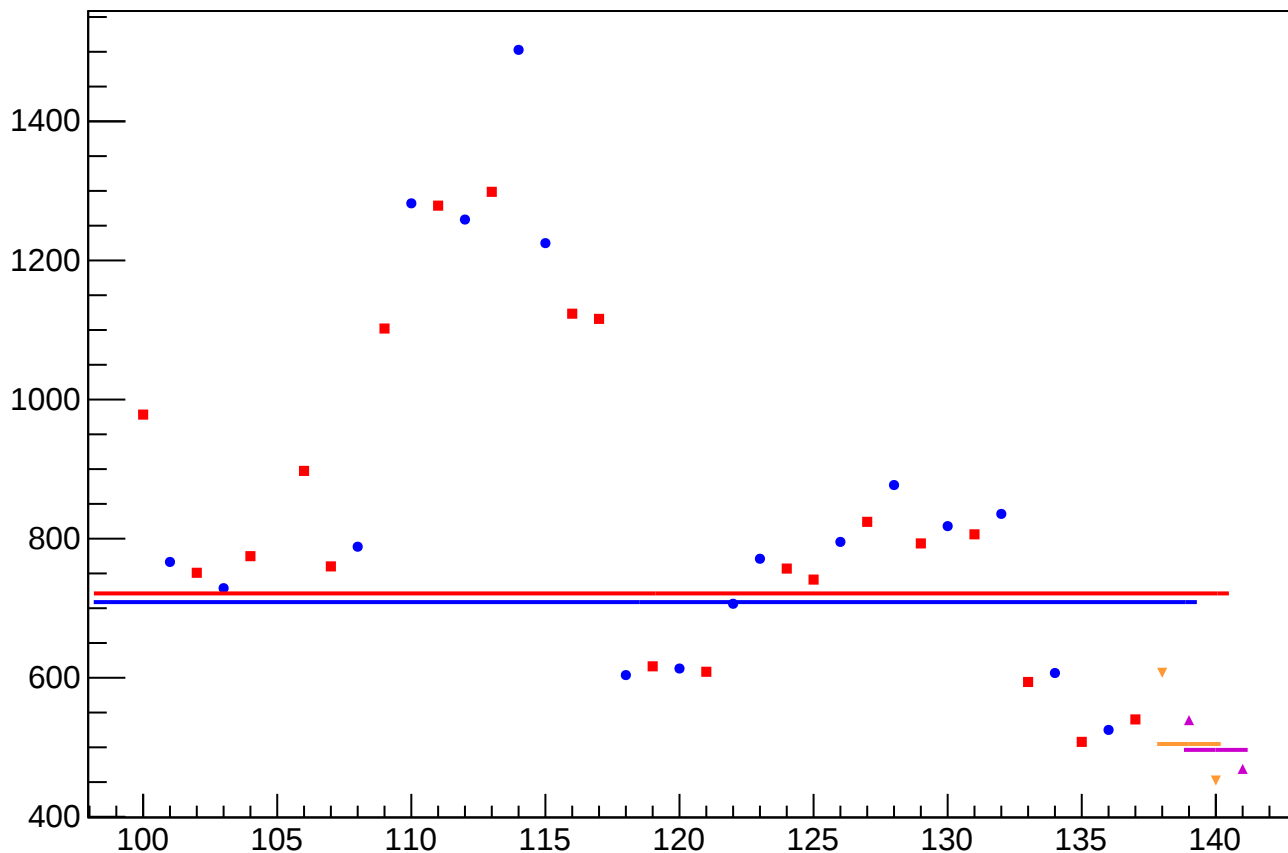
Right Out: 261.265 $\pm$ 279.073 χ^2/NDF : 16.9/19

Left In: 464.065 $\pm$ 399.220 χ^2/NDF : 1.2/1

1.249 $\pm$ 234.076 χ^2/NDF : 21.3/18

327.836 $\pm$ 228.728 χ^2/NDF : 18.3/21

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784+/-0.201 χ^2/NDF : 793538.1/16

Left Out: 504.772+/-0.293 χ^2/NDF : 62721.6/1

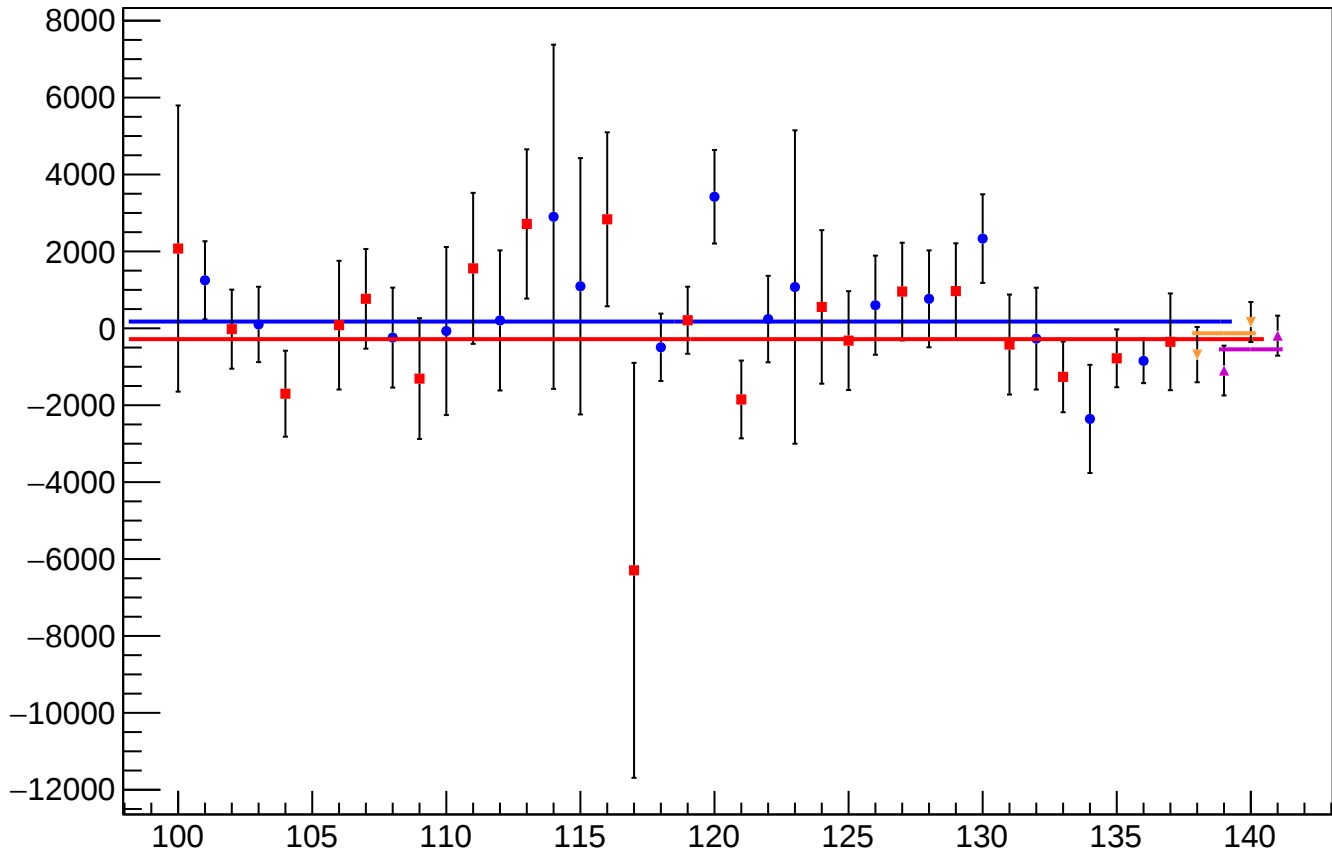
Right Out: 721.271+/-0.197 χ^2/NDF : 910781.0/19

Left In: 496.313+/-0.282 χ^2/NDF : 14670.8/1

643.615+/-0.166 χ^2/NDF : 1186538.3/18

647.427+/-0.162 χ^2/NDF : 1352043.6/21

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -128.017 $\pm$ 421.661 χ^2 /NDF: 0.9/1

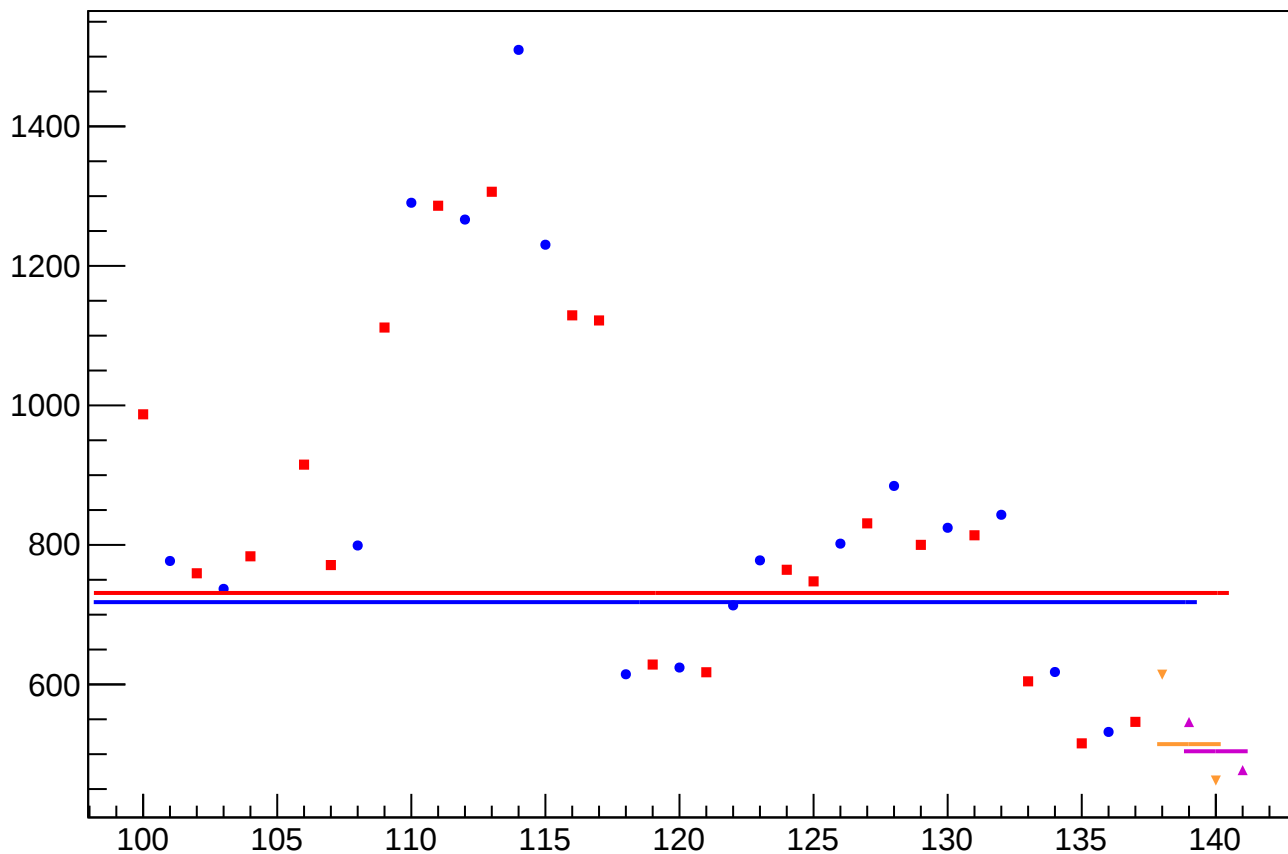
Right Out: -281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

Left In: -546.769 $\pm$ 405.383 χ^2 /NDF: 1.2/1

79.548 $\pm$ 237.380 χ^2 /NDF: 21.0/18

-368.069 $\pm$ 231.875 χ^2 /NDF: 17.5/21

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 514.399+/-0.298 χ^2/NDF : 58463.1/1

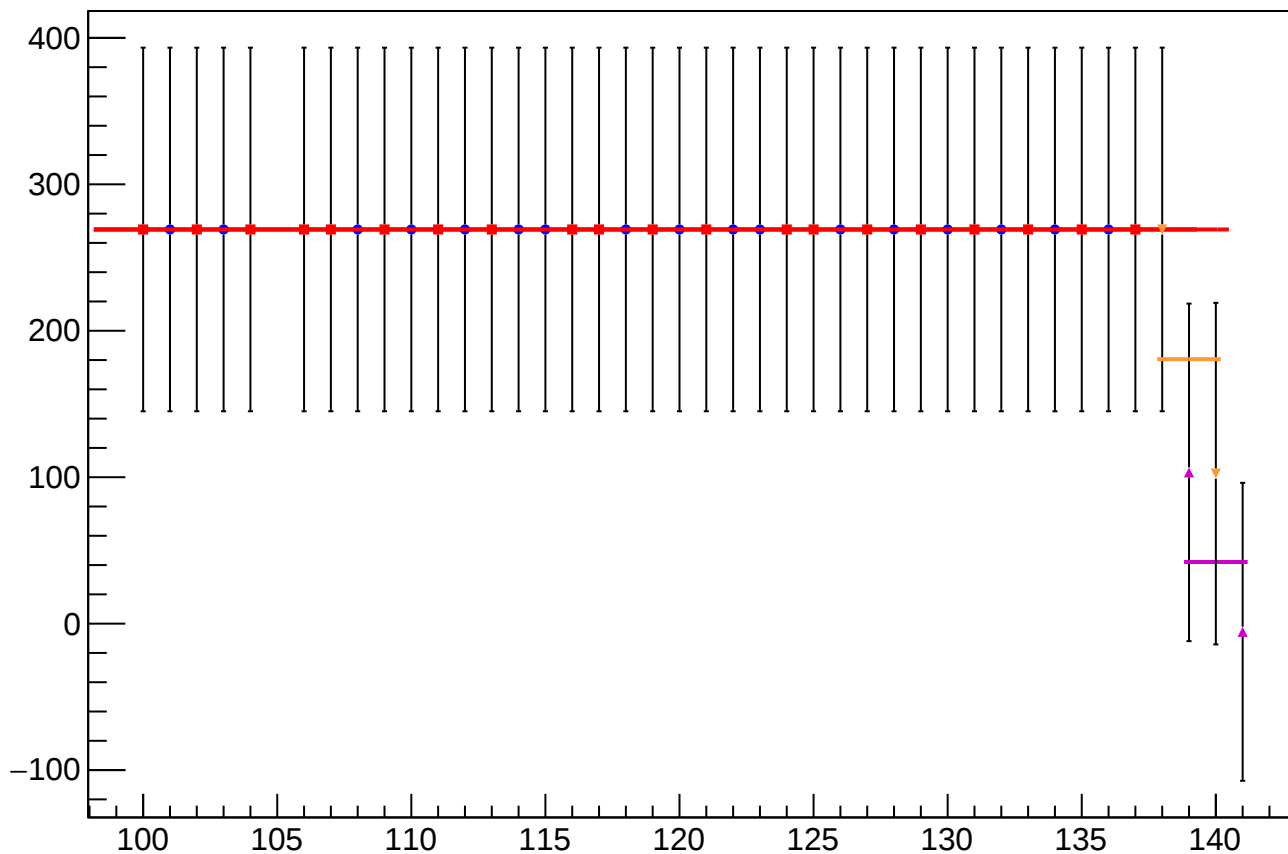
Right Out: 731.116+/-0.200 χ^2/NDF : 892357.6/19

Left In: 504.166+/-0.287 χ^2/NDF : 13781.3/1

653.454+/-0.168 χ^2/NDF : 1155473.4/18

656.864+/-0.164 χ^2/NDF : 1327895.0/21

reg_asym_sam_1548_avg_mean vs Slug



Right In: 269.172+/-30.110 χ^2/NDF : 0.0/16

Left Out: 180.611+/-85.002 χ^2/NDF : 1.0/1

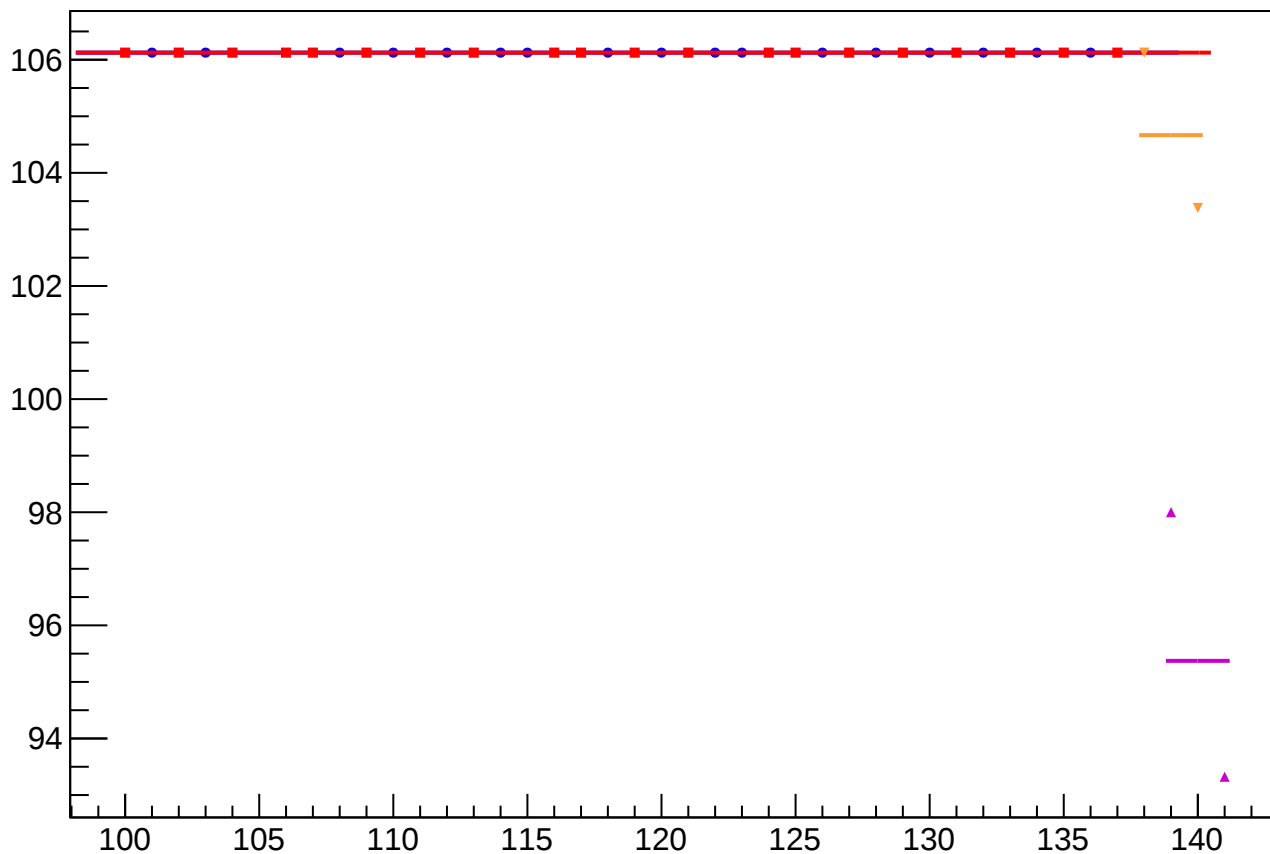
Right Out: 269.172+/-27.760 χ^2/NDF : 0.0/19

Left In: 42.105+/-76.269 χ^2/NDF : 0.5/1

259.299+/-28.382 χ^2/NDF : 1.9/18

242.610+/-26.086 χ^2/NDF : 8.3/21

reg_asym_sam_1548_avg_rms vs Slug



Right In: 106.125 $\pm$ 0.021 χ^2 /NDF: 0.0/16

Left Out: 104.667 $\pm$ 0.060 χ^2 /NDF:519.8/1

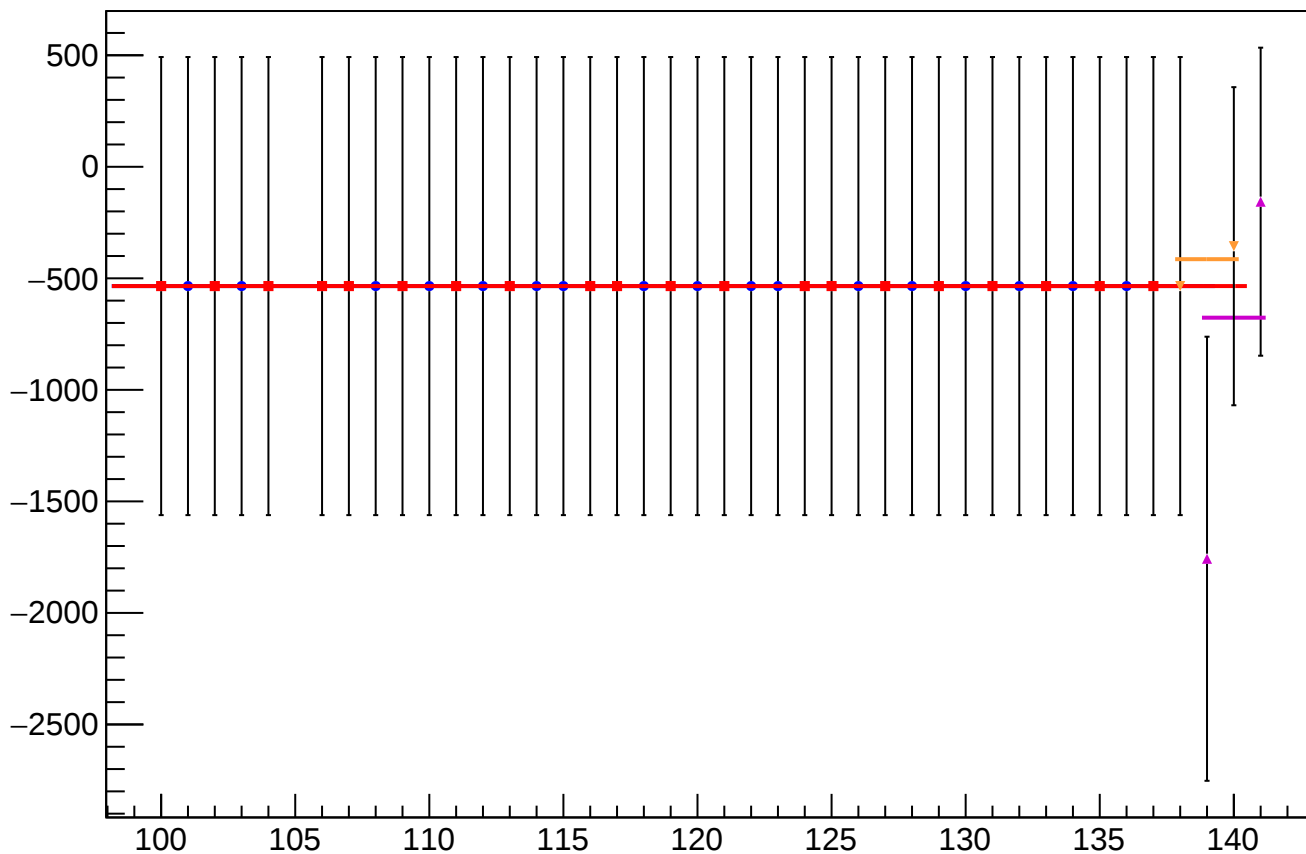
Right Out: 106.125 $\pm$ 0.020 χ^2 /NDF: 0.0/19

Left In: 95.372 $\pm$ 0.054 χ^2 /NDF:1851.6/1

105.963 $\pm$ 0.020 χ^2 /NDF: 1043.1/18

104.867 $\pm$ 0.018 χ^2 /NDF: 36955.7/21

asym_sam_1548_avg_correction_mean vs Slug



Right In: -534.744+/-249.039 χ^2/NDF : 0.0/16

Left Out: -414.193+/-585.689 χ^2/NDF : 0.0/1

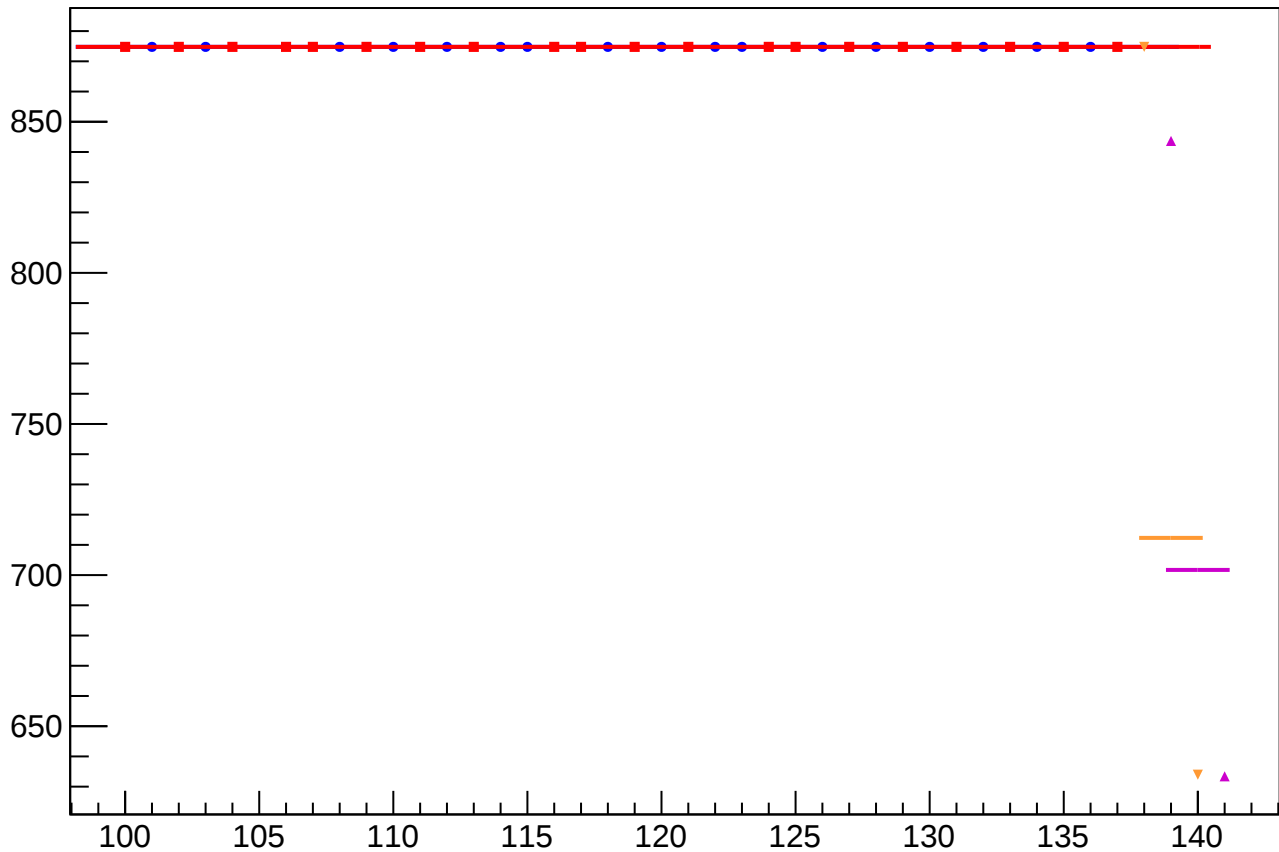
Right Out: -534.744+/-229.602 χ^2/NDF : 0.0/19

Left In: -676.454+/-567.356 χ^2/NDF : 1.7/1

-516.286+/-229.181 χ^2/NDF : 0.1/18

-554.687+/-212.835 χ^2/NDF : 1.8/21

asym_sam_1548_avg_correction_rms vs Slug



Right In: 874.783 $\pm$ 0.176 χ^2 /NDF: 0.0/16

Left Out: 712.310 $\pm$ 0.414 χ^2 /NDF:74222.2/1

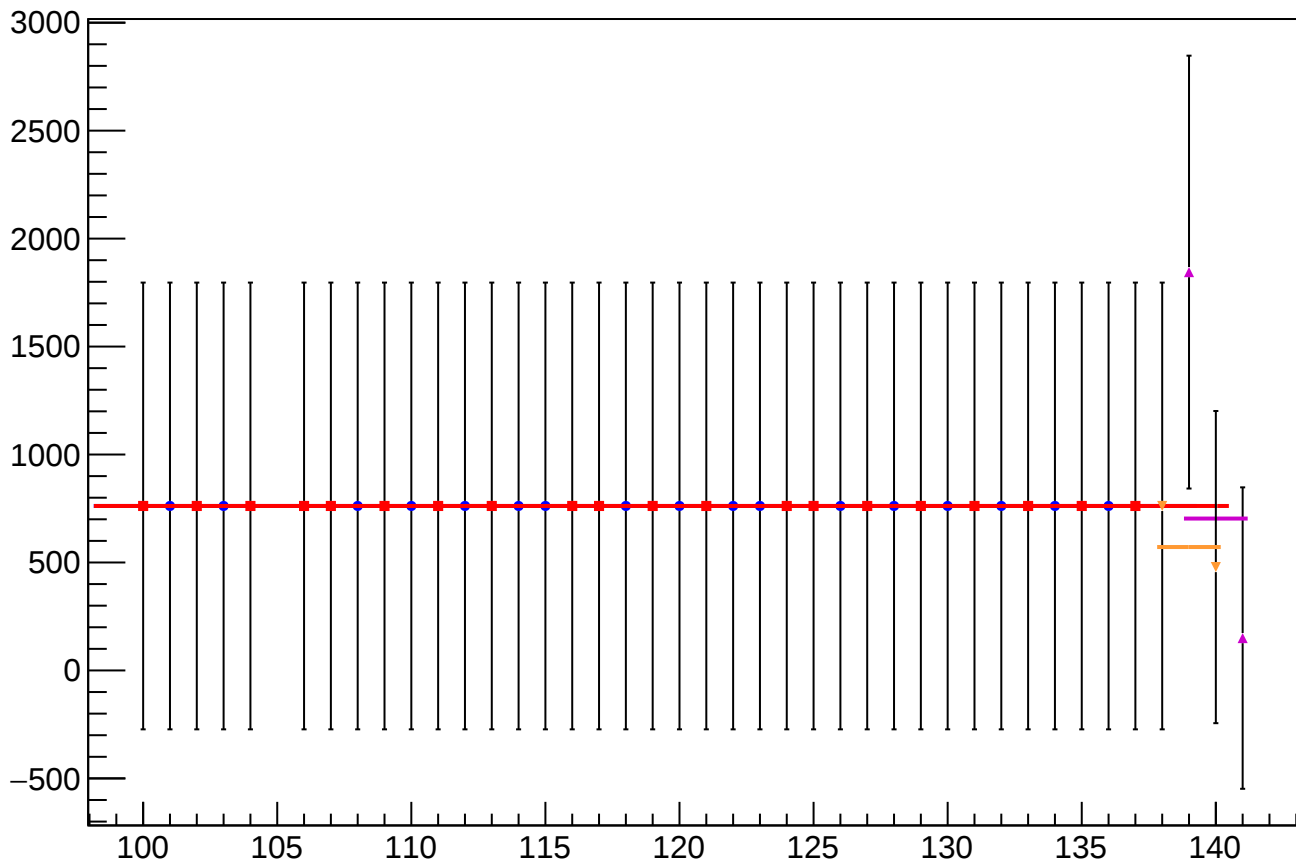
Right Out: 874.783 $\pm$ 0.162 χ^2 /NDF: 0.0/19

Left In: 701.713 $\pm$ 0.401 χ^2 /NDF:60233.0/1

849.906 $\pm$ 0.162 χ^2 /NDF: 204563.9/18

850.427 $\pm$ 0.150 χ^2 /NDF: 220150.7/21

asym_sam_1548_avg_mean vs Slug



Right In: 761.735 $\pm$ 250.914 χ^2 /NDF: 0.0/16

Left Out: 571.550 $\pm$ 592.575 χ^2 /NDF: 0.1/1

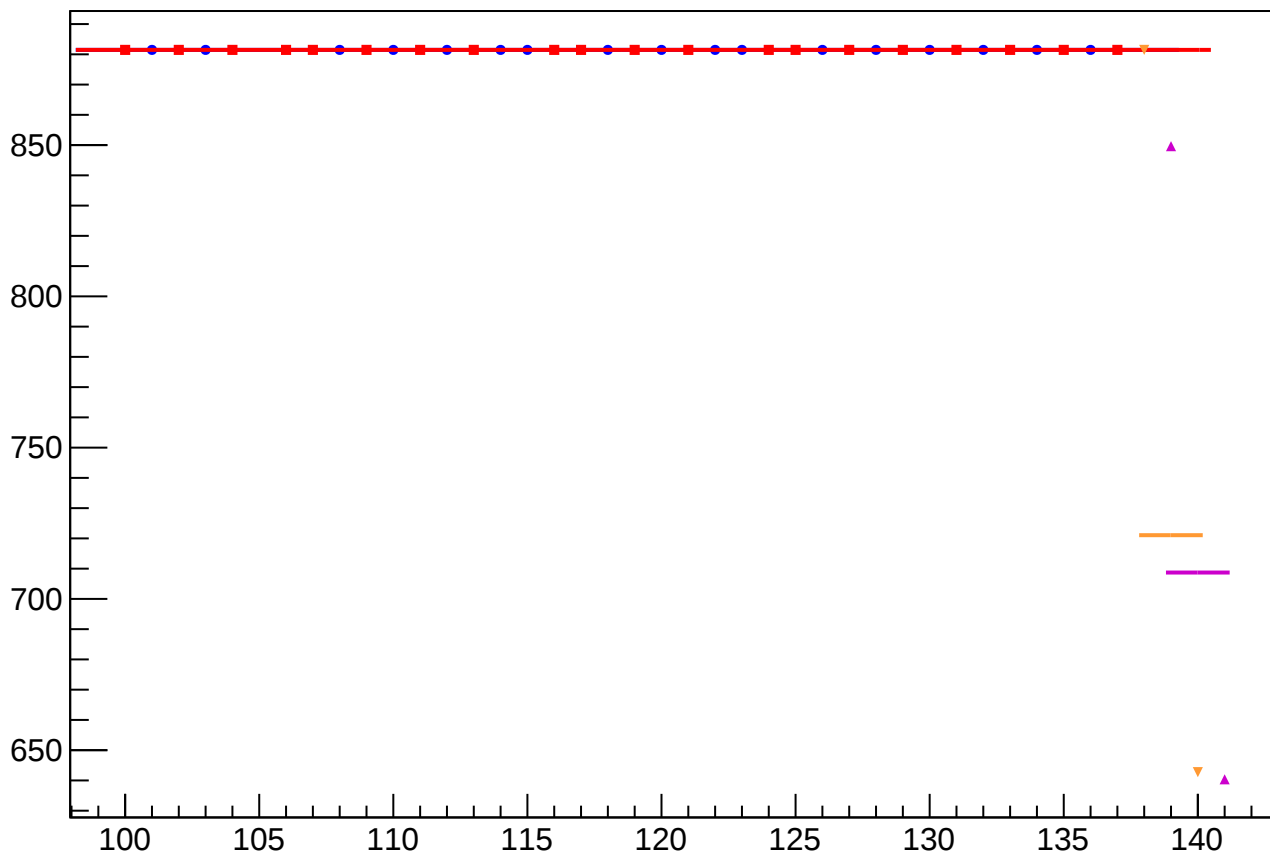
Right Out: 761.735 $\pm$ 231.331 χ^2 /NDF: 0.0/19

Left In: 703.443 $\pm$ 572.833 χ^2 /NDF: 1.9/1

732.821 $\pm$ 231.054 χ^2 /NDF: 0.1/18

753.562 $\pm$ 214.501 χ^2 /NDF: 1.9/21

asym_sam_1548_avg_rms vs Slug



Right In: 881.467 $\pm$ 0.177 χ^2 /NDF: 0.0/16

Left Out: 721.061 $\pm$ 0.419 χ^2 /NDF: 71558.6/1

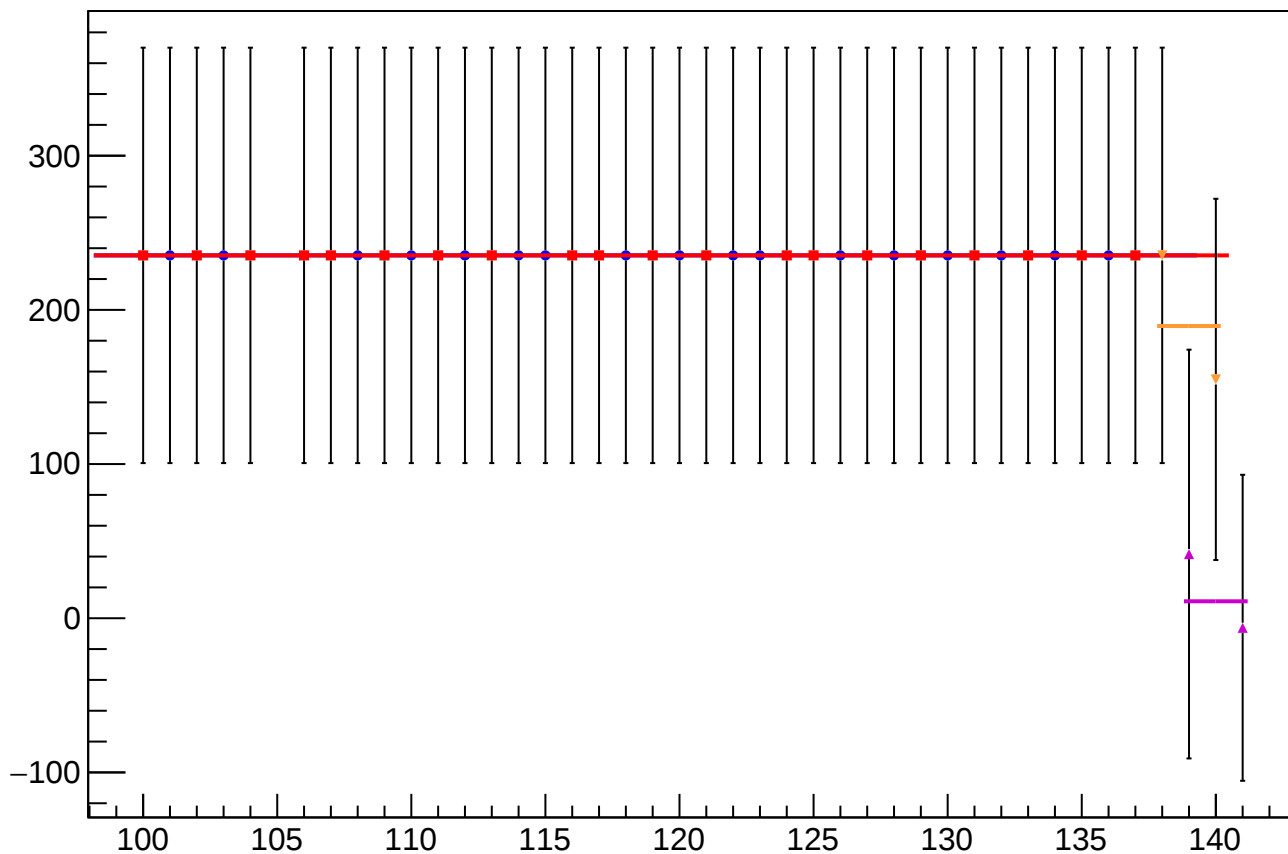
Right Out: 881.467 $\pm$ 0.164 χ^2 /NDF: 0.0/19

Left In: 708.718 $\pm$ 0.405 χ^2 /NDF: 58702.4/1

857.080 $\pm$ 0.163 χ^2 /NDF: 195828.3/18

857.245 $\pm$ 0.152 χ^2 /NDF: 215088.6/21

reg_asym_sam_3748_avg_mean vs Slug



Right In: 235.346 $\pm$ 32.676 χ^2 /NDF: 0.0/16

Left Out: 189.540 $\pm$ 88.403 χ^2 /NDF:0.2/1

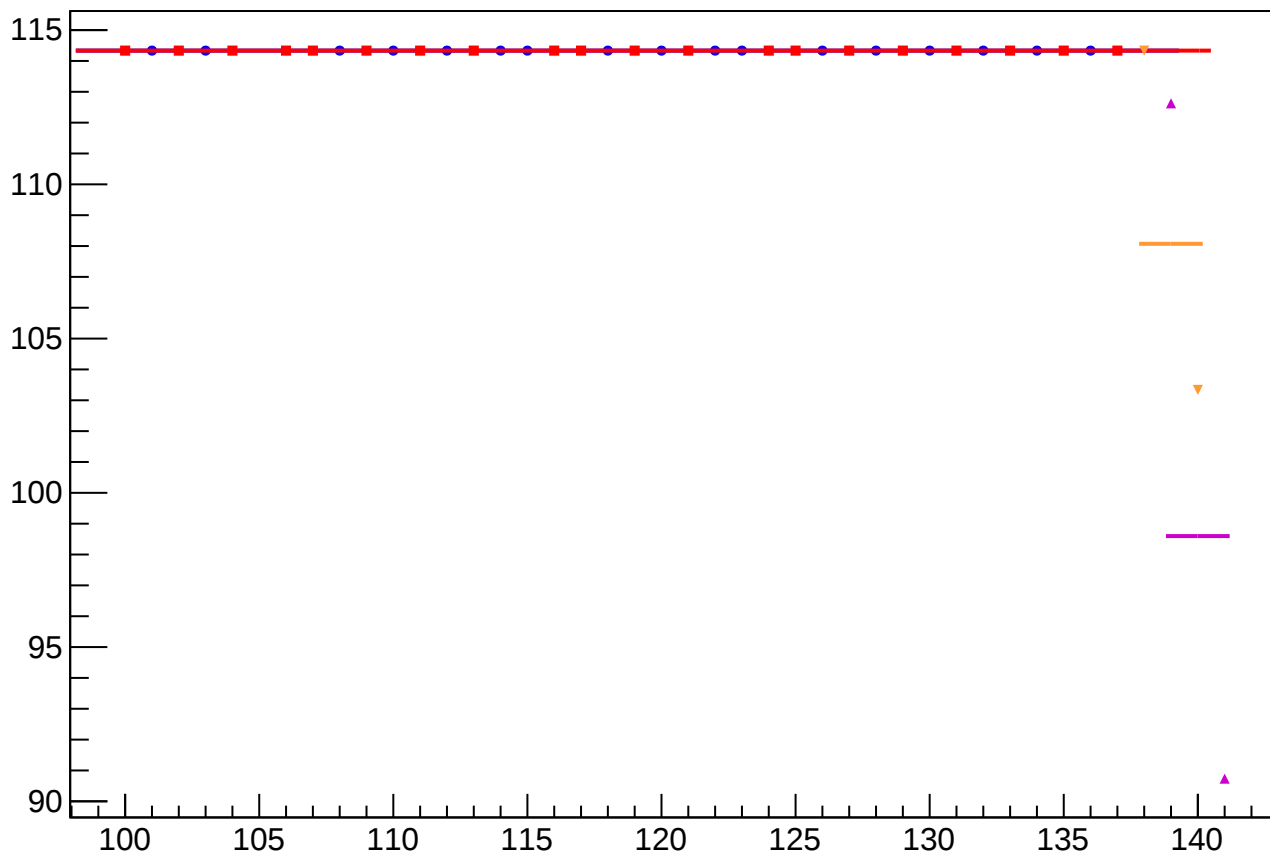
Right Out: 235.346 $\pm$ 30.125 χ^2 /NDF: 0.0/19

Left In: 10.981 $\pm$ 79.444 χ^2 /NDF:0.1/1

229.840 $\pm$ 30.649 χ^2 /NDF: 0.4/18

207.140 $\pm$ 28.168 χ^2 /NDF: 7.1/21

reg_asym_sam_3748_avg_rms vs Slug



Right In: 114.335 $\pm$ 0.023 χ^2 /NDF: 0.0/16

Left Out: 108.072 $\pm$ 0.063 χ^2 /NDF:7590.4/1

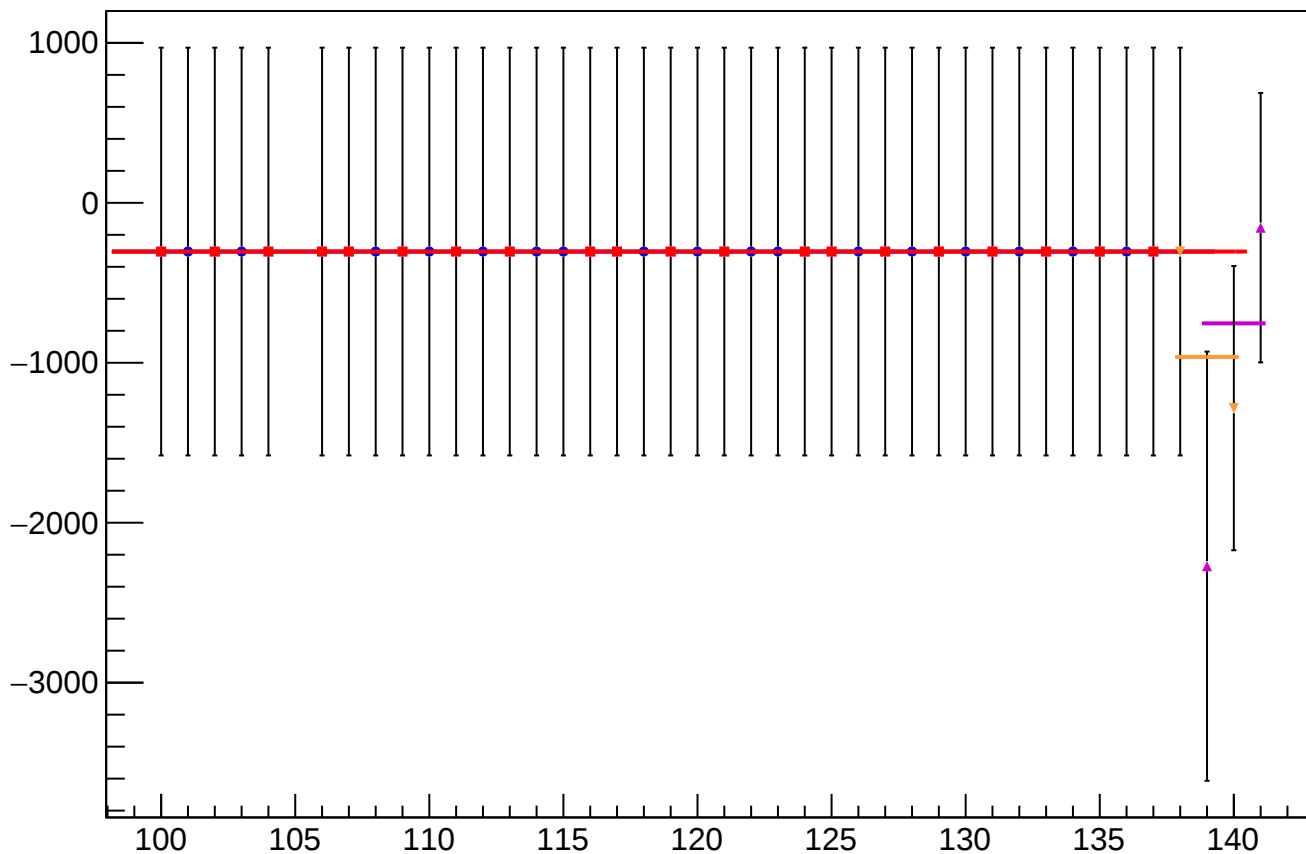
Right Out: 114.335 $\pm$ 0.021 χ^2 /NDF: 0.0/19

Left In: 98.598 $\pm$ 0.056 χ^2 /NDF:34953.6/1

113.582 $\pm$ 0.022 χ^2 /NDF: 16422.3/18

112.357 $\pm$ 0.020 χ^2 /NDF: 103568.6/21

asym_sam_3748_avg_correction_mean vs Slug



Right In: -304.659+/-309.179 χ^2/NDF : 0.0/16

Left Out: -963.530+/-728.911 χ^2/NDF : 0.4/1

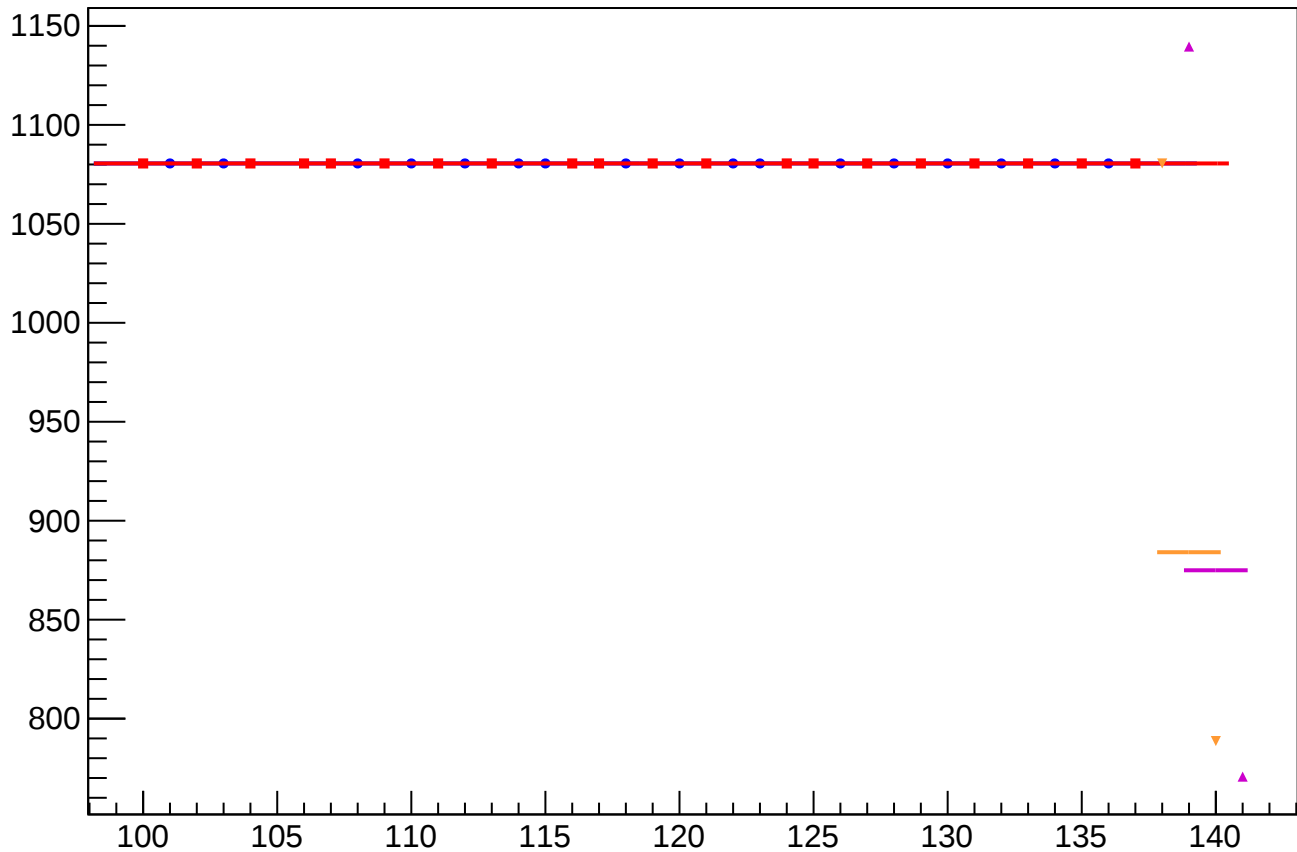
Right Out: -304.659+/-285.049 χ^2/NDF : 0.0/19

Left In: -753.559+/-713.363 χ^2/NDF : 1.8/1

-405.125+/-284.633 χ^2/NDF : 1.1/18

-366.465+/-264.699 χ^2/NDF : 2.1/21

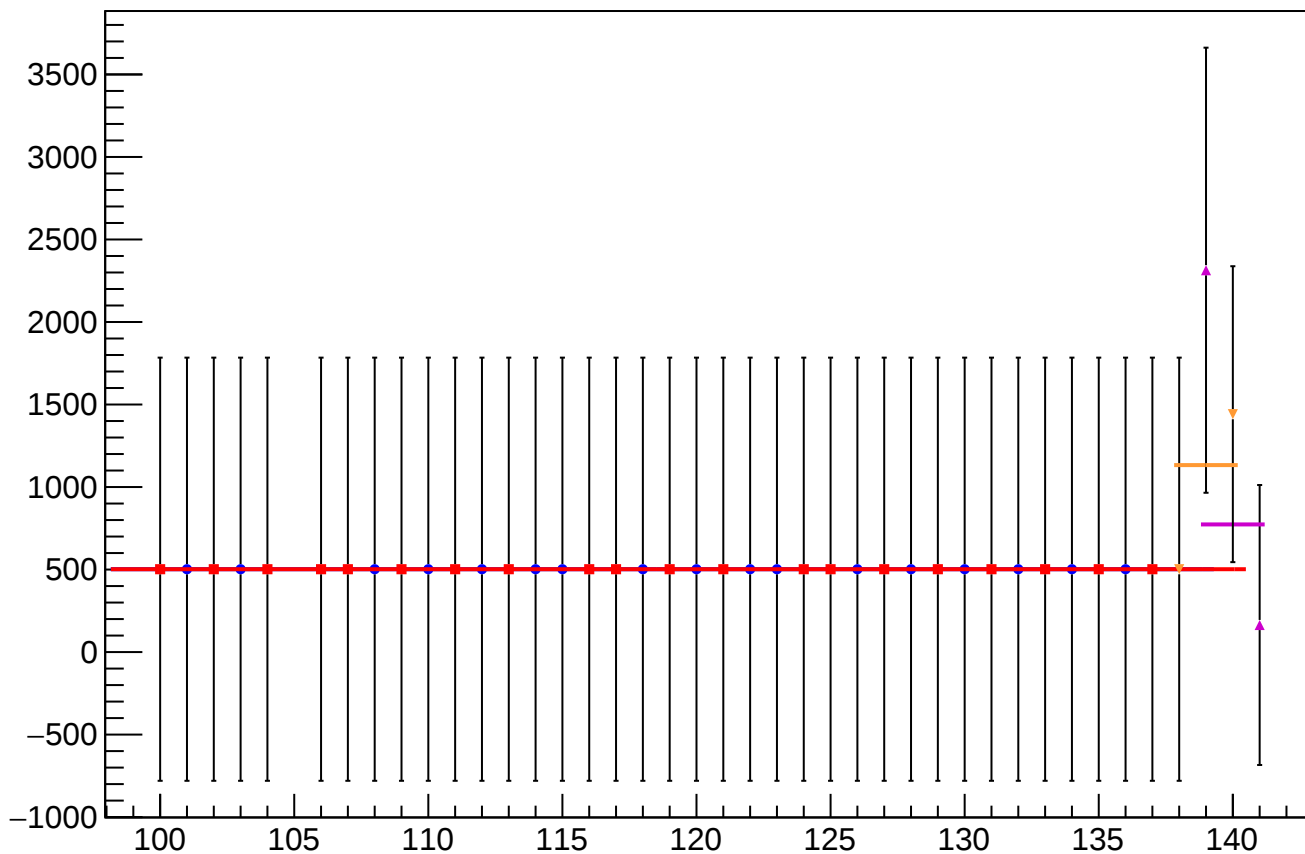
asym_sam_3748_avg_correction_rms vs Slug



Right In: 1080.515+/-0.219 χ^2/NDF : 0.0/16
 Left Out: 884.084+/-0.515 χ^2/NDF : 70555.8/1
 Right Out: 1080.515+/-0.202 χ^2/NDF : 0.0/19
 Left In: 874.959+/-0.504 χ^2/NDF : 108429.0/1

1050.563+/-0.201 χ^2/NDF : 193653.8/18
 1052.213+/-0.187 χ^2/NDF : 251626.6/21

asym_sam_3748_avg_mean vs Slug



Right In: 502.043+/-310.943 χ^2/NDF : 0.0/16

Left Out: 1132.907+/-734.716 χ^2/NDF : 0.4/1

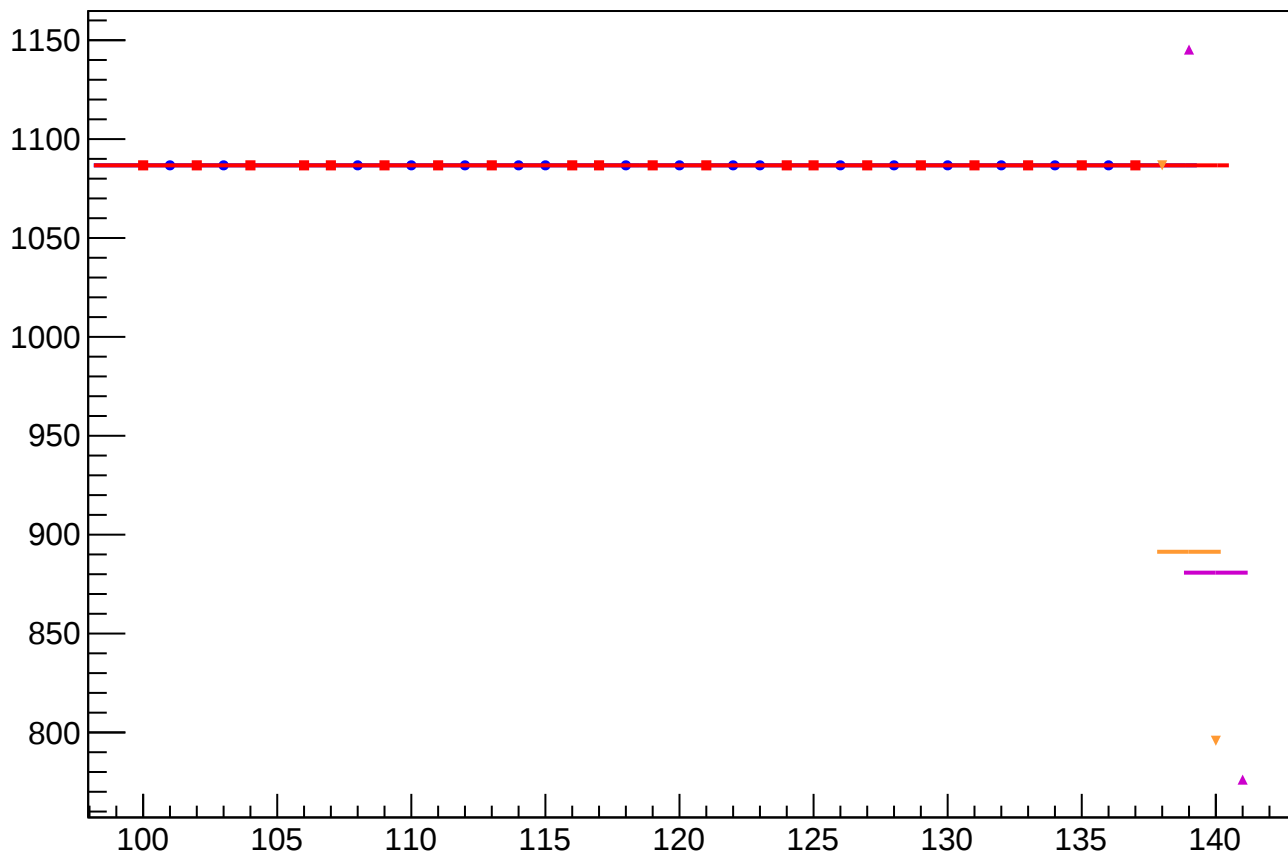
Right Out: 502.043+/-286.675 χ^2/NDF : 0.0/19

Left In: 773.429+/-717.974 χ^2/NDF : 1.8/1

597.873+/-286.354 χ^2/NDF : 1.0/18

539.360+/-266.237 χ^2/NDF : 1.9/21

asym_sam_3748_avg_rms vs Slug



Right In: 1086.731 $\pm$ 0.220 χ^2 /NDF: 0.0/16

Left Out: 891.352 $\pm$ 0.520 χ^2 /NDF: 69163.8/1

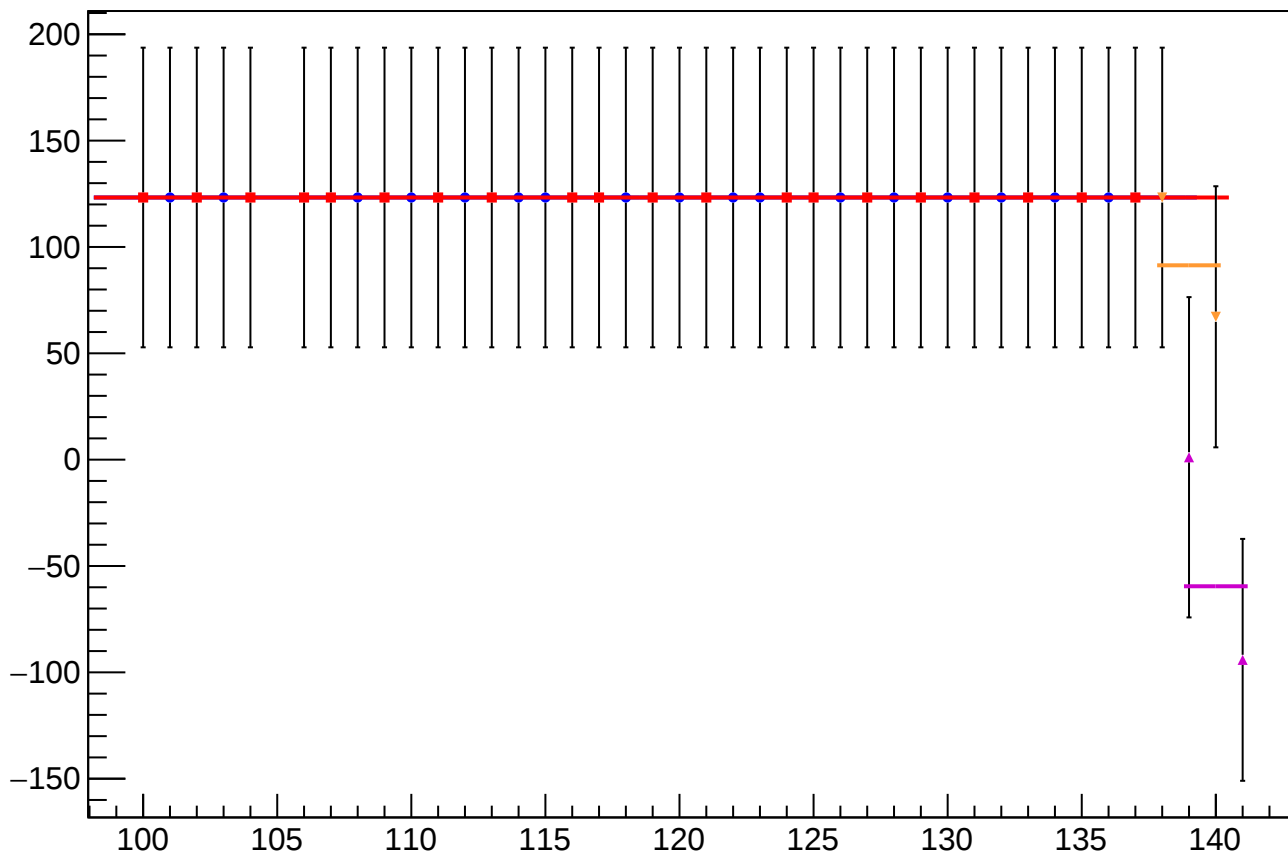
Right Out: 1086.731 $\pm$ 0.203 χ^2 /NDF: 0.0/19

Left In: 880.790 $\pm$ 0.508 χ^2 /NDF: 107373.1/1

1057.052 $\pm$ 0.202 χ^2 /NDF: 189111.8/18

1058.413 $\pm$ 0.188 χ^2 /NDF: 249296.0/21

reg_asym_sam_1526_avg_mean vs Slug



Right In: 123.260 $\pm$ 17.085 χ^2 /NDF: 0.0/16

Left Out: 91.378 $\pm$ 46.276 χ^2 /NDF:0.4/1

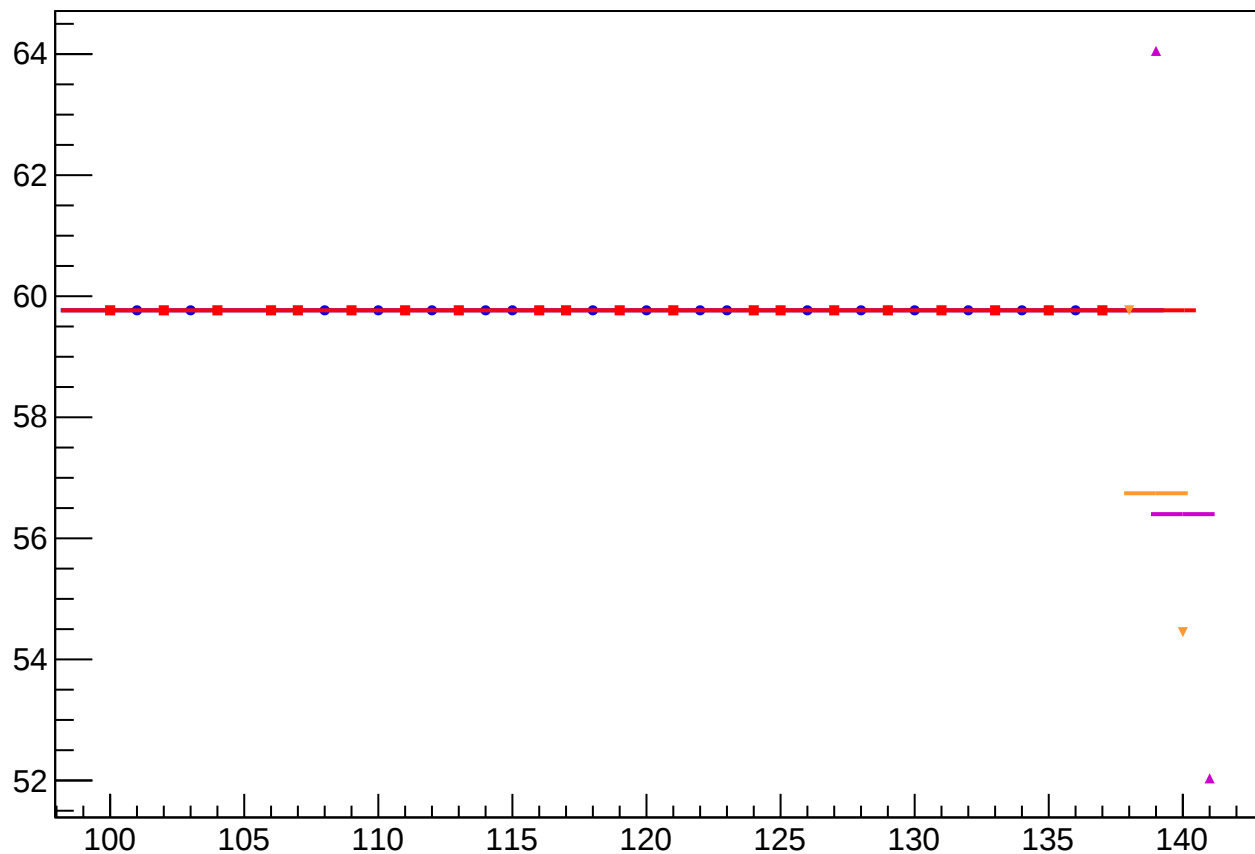
Right Out: 123.260 $\pm$ 15.751 χ^2 /NDF: 0.0/19

Left In: -59.528 $\pm$ 45.378 χ^2 /NDF:1.0/1

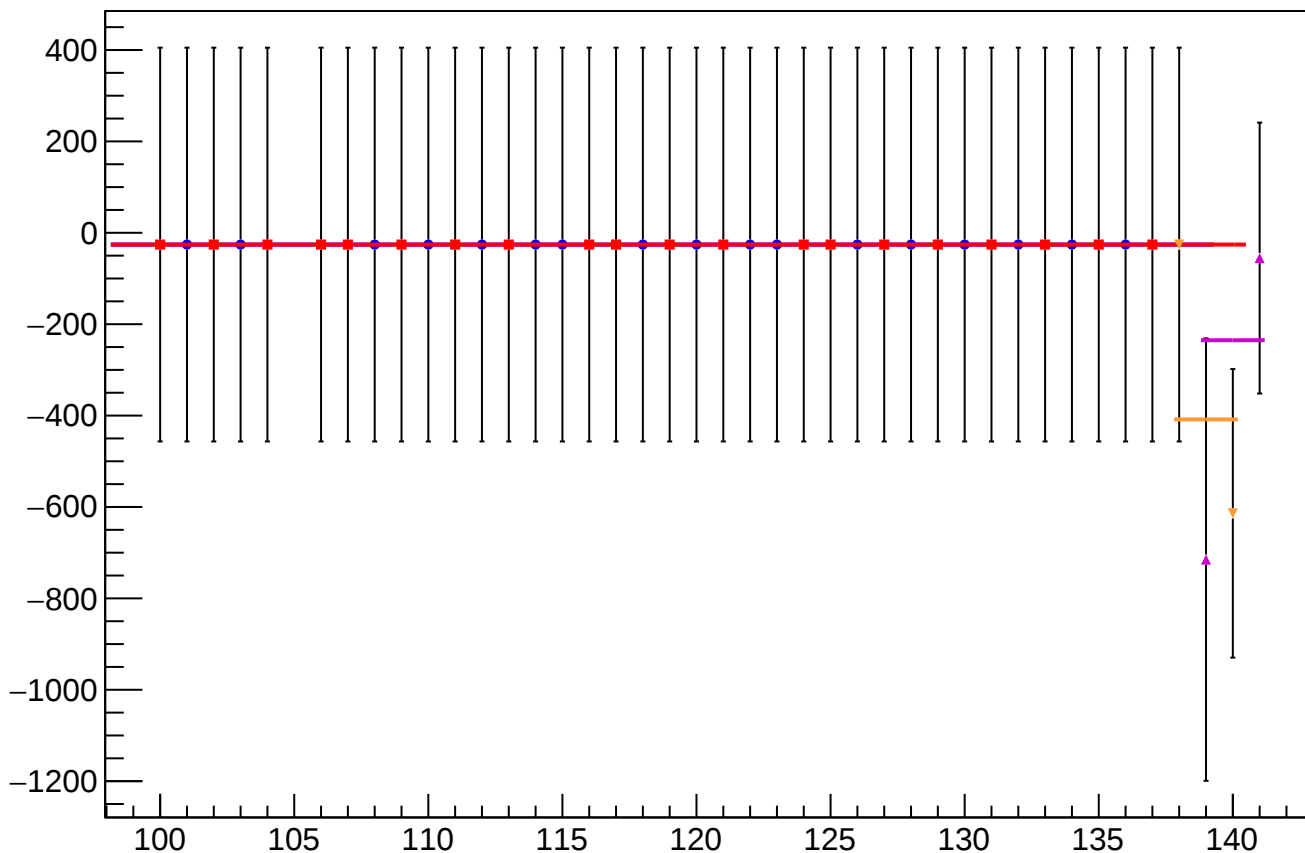
119.436 $\pm$ 16.027 χ^2 /NDF: 0.8/18

103.605 $\pm$ 14.880 χ^2 /NDF: 15.5/21

reg_asym_sam_1526_avg_rms vs Slug



asym_sam_1526_avg_correction_mean vs Slug



Right In: -25.761 ± 104.501 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -408.387 ± 254.694 $\chi^2/\text{NDF}: 1.2/1$

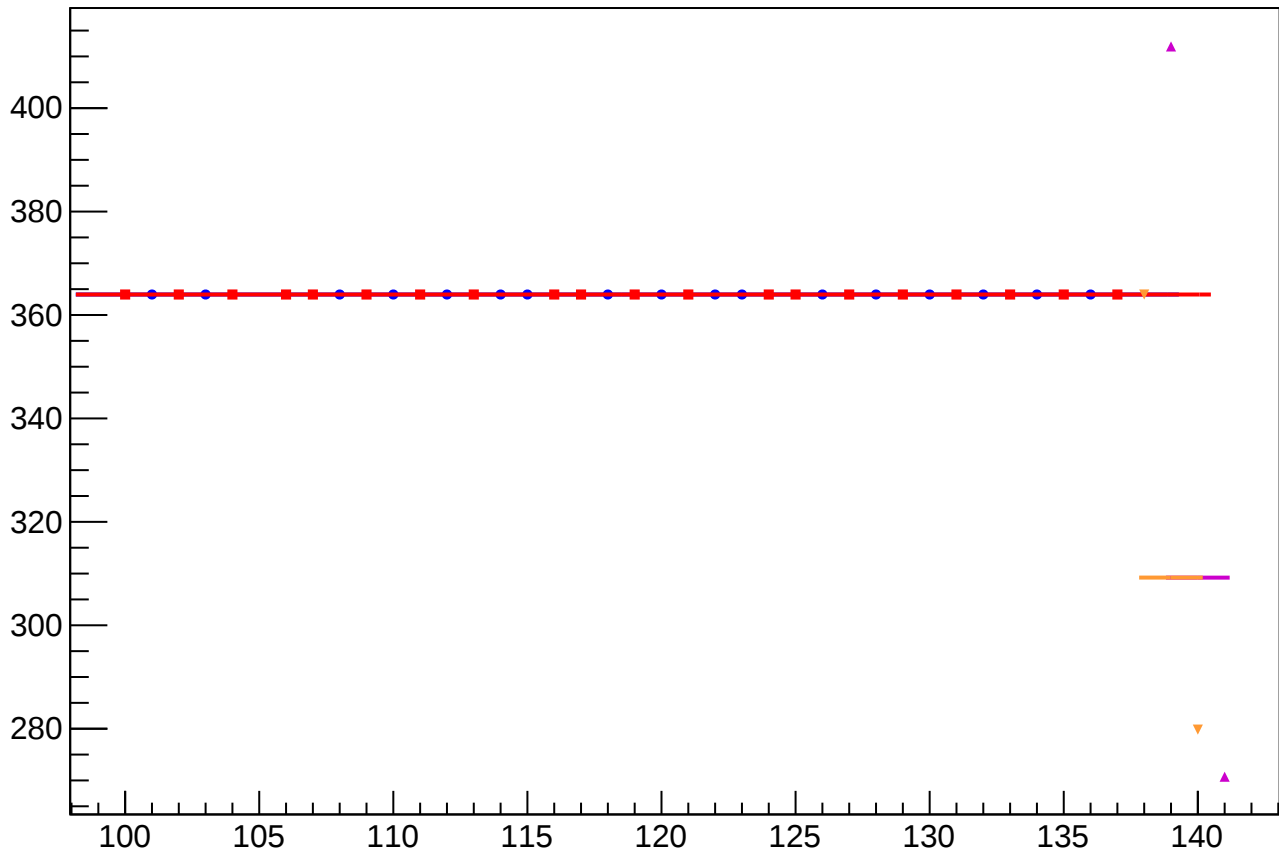
Right Out: -25.761 ± 96.345 $\chi^2/\text{NDF}: 0.0/19$

Left In: -235.185 ± 252.757 $\chi^2/\text{NDF}: 1.4/1$

-80.893 ± 96.679 $\chi^2/\text{NDF}: 3.1/18$

-52.329 ± 90.026 $\chi^2/\text{NDF}: 2.0/21$

asym_sam_1526_avg_correction_rms vs Slug



Right In: 363.962+/-0.074 χ^2/NDF : 0.0/16

Left Out: 309.226+/-0.180 χ^2/NDF : 49613.7/1

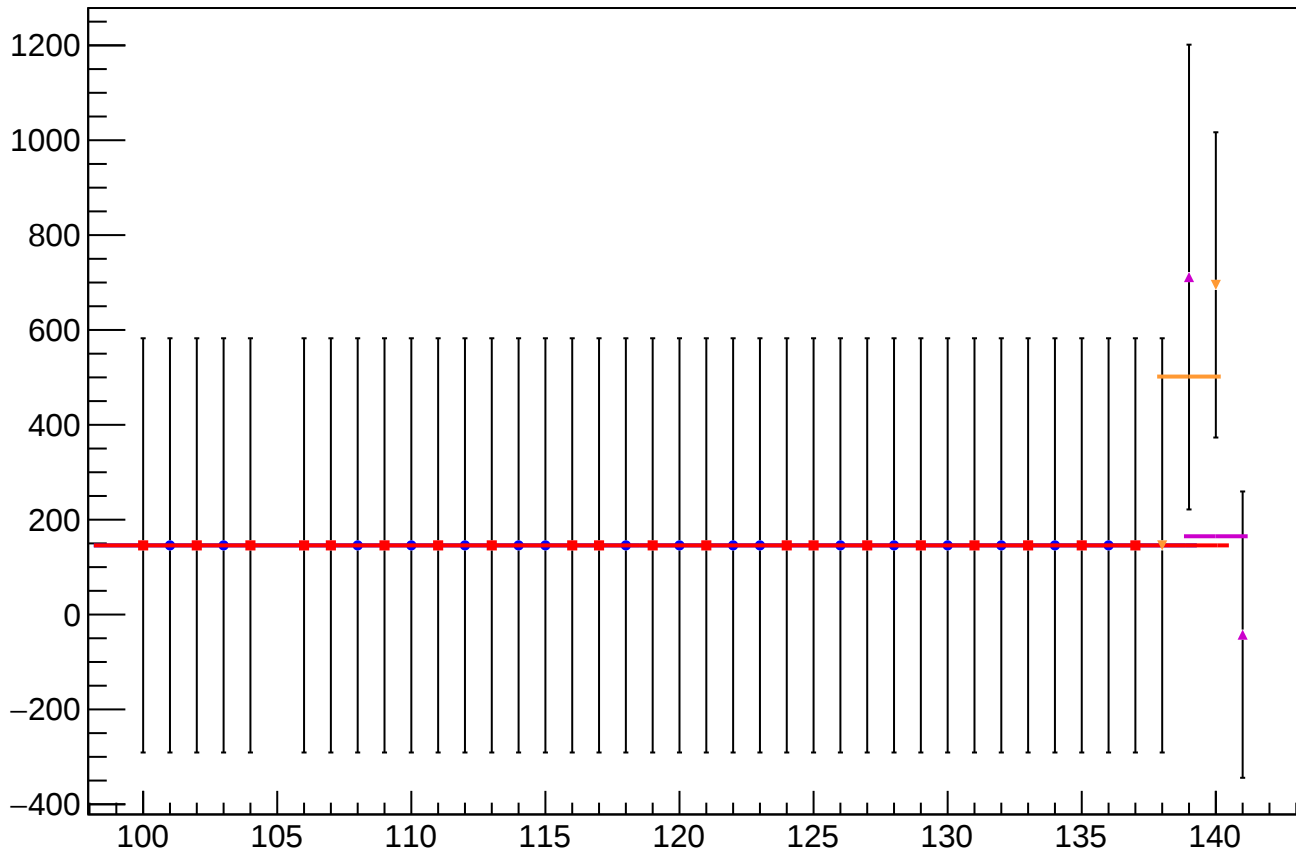
Right Out: 363.962+/-0.068 χ^2/NDF : 0.0/19

Left In: 309.215+/-0.179 χ^2/NDF : 123788.1/1

356.075+/-0.068 χ^2/NDF : 128678.2/18

357.017+/-0.064 χ^2/NDF : 205716.9/21

asym_sam_1526_avg_mean vs Slug



Right In: 145.833 $\pm$ 105.907 χ^2 /NDF: 0.0/16

Left Out: 501.742 $\pm$ 259.044 χ^2 /NDF:1.0/1

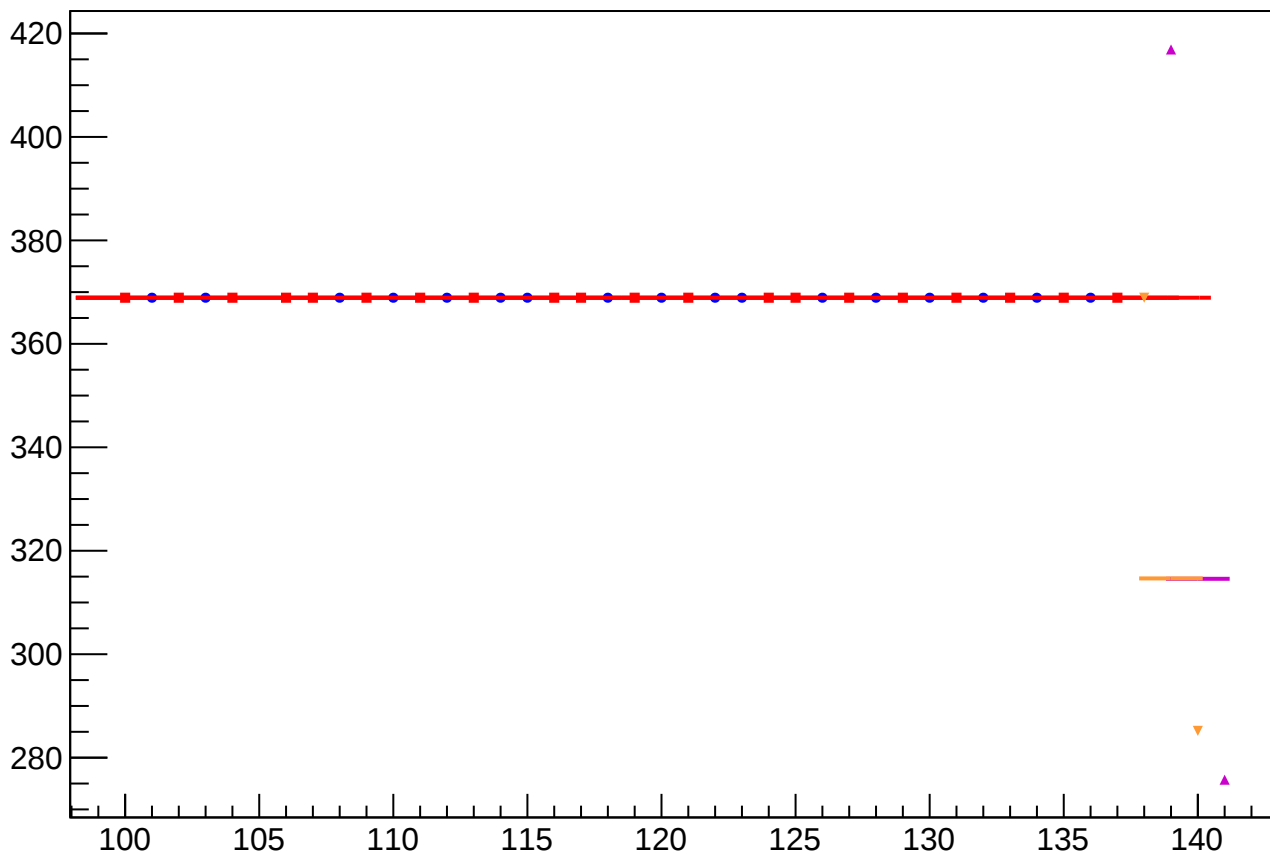
Right Out: 145.833 $\pm$ 97.641 χ^2 /NDF: 0.0/19

Left In: 165.054 $\pm$ 256.978 χ^2 /NDF:1.7/1

196.803 $\pm$ 98.030 χ^2 /NDF: 2.6/18

148.258 $\pm$ 91.275 χ^2 /NDF: 1.7/21

asym_sam_1526_avg_rms vs Slug



Right In: 368.918 $\pm$ 0.075 χ^2 /NDF: 0.0/16

Left Out: 314.652 $\pm$ 0.183 χ^2 /NDF: 47661.7/1

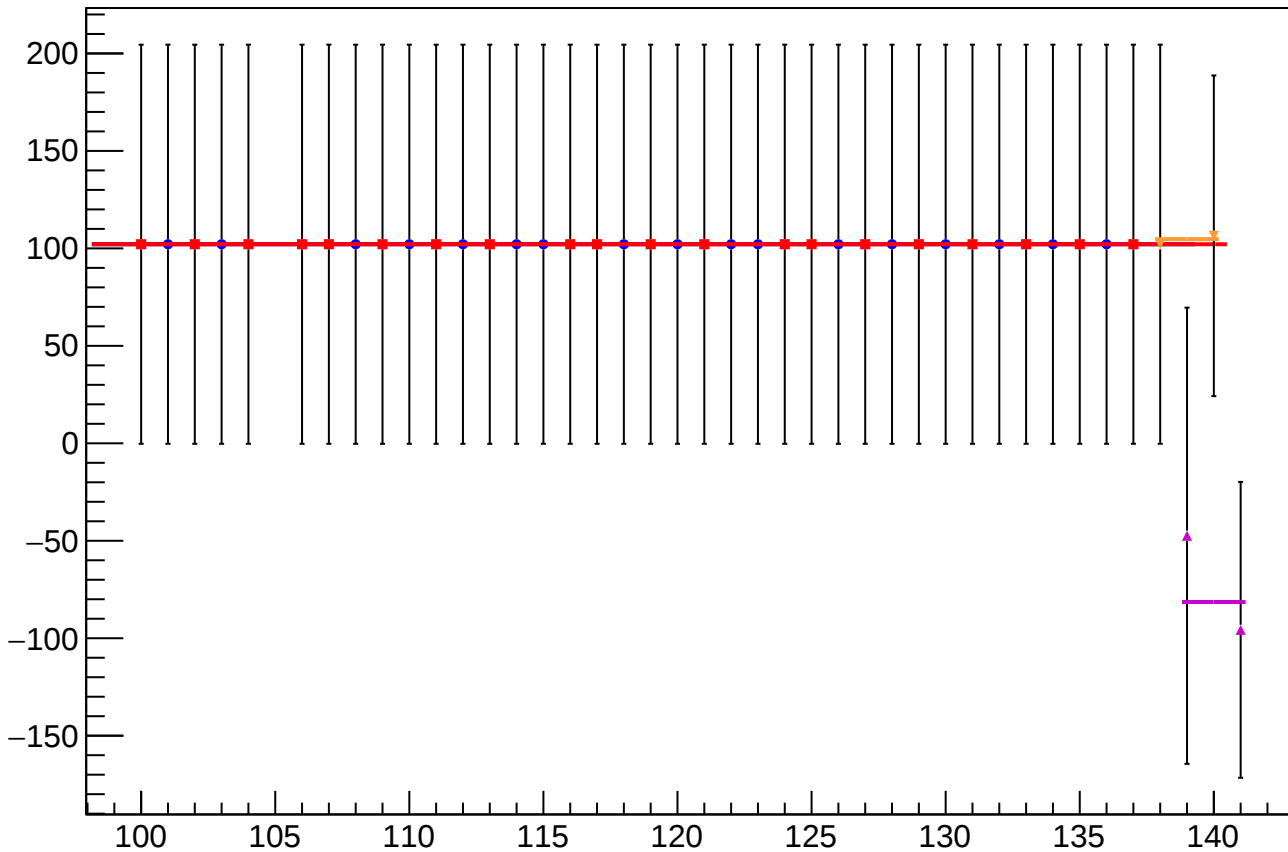
Right Out: 368.918 $\pm$ 0.069 χ^2 /NDF: 0.0/19

Left In: 314.579 $\pm$ 0.182 χ^2 /NDF: 120356.7/1

361.147 $\pm$ 0.069 χ^2 /NDF: 122861.6/18

362.063 $\pm$ 0.065 χ^2 /NDF: 198501.6/21

reg_asym_sam_3726_avg_mean vs Slug



Right In: 102.129+/-24.831 χ^2/NDF : 0.0/16

Left Out: 104.759 ± 64.127 $\chi^2/\text{NDF}: 0.0/1$

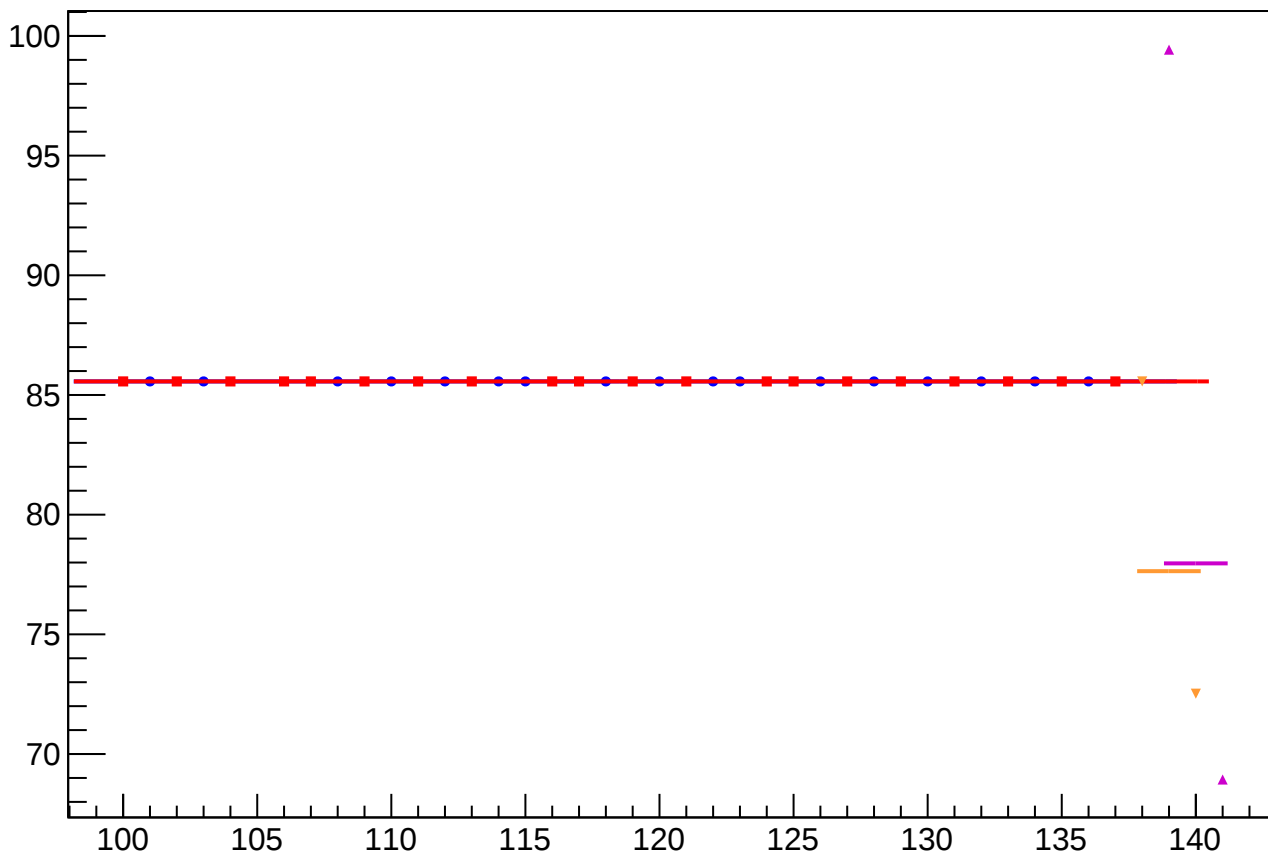
Right Out: 102.129+/-22.893 χ^2/NDF : 0.0/19

Left In: -81.398+/-63.679 χ^2/NDF :0.1/1

102.472+/-23.155 χ^2/NDF : 0.0/18

81.125+/-21.543 χ^2/NDF : 7.5/21

reg_asym_sam_3726_avg_rms vs Slug



Right In: 85.567+/-0.018 χ^2/NDF : 0.0/16

Left Out: 77.639+/-0.045 χ^2/NDF :19734.4/1

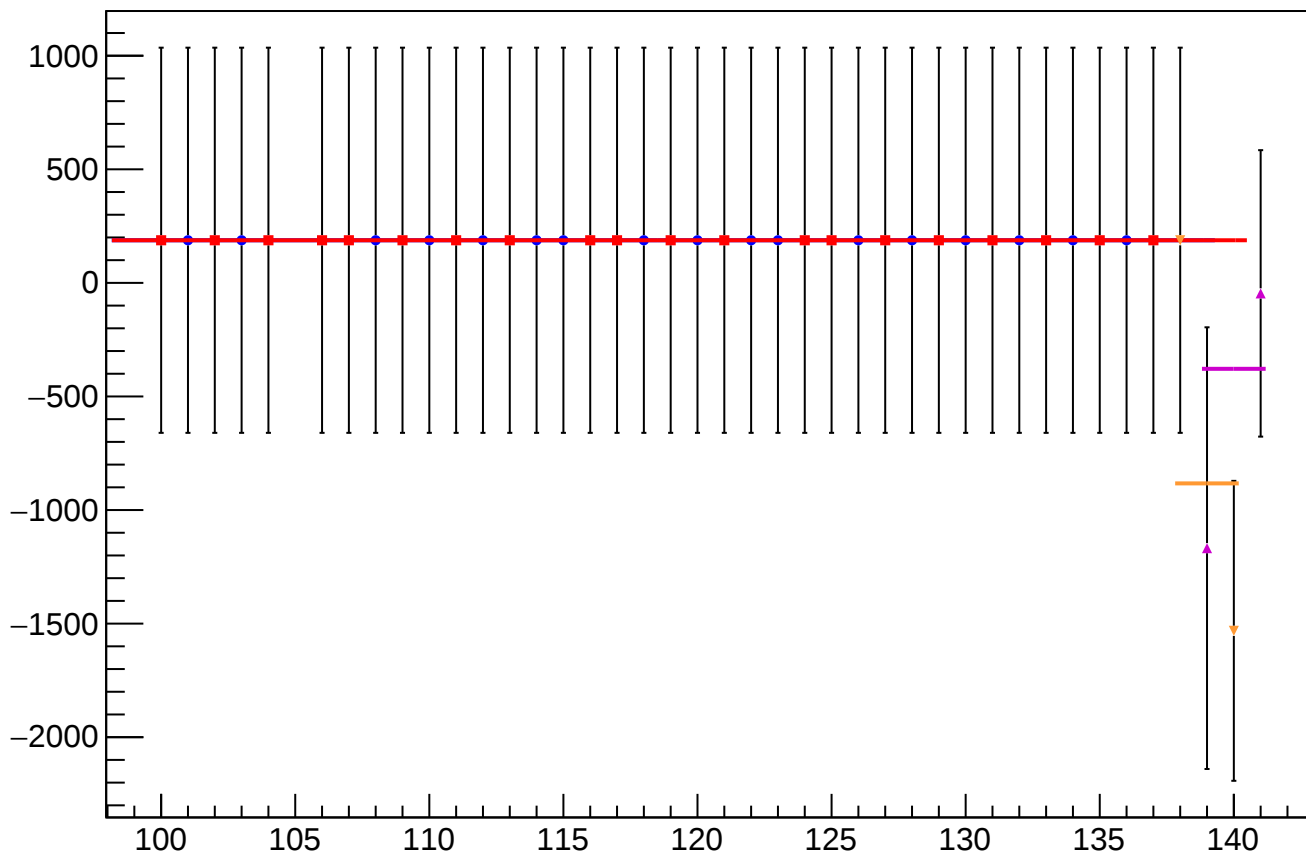
Right Out: 85.567+/-0.016 χ^2/NDF : 0.0/19

Left In: 77.965+/-0.045 χ^2/NDF :95585.5/1

84.533+/-0.016 χ^2/NDF : 46313.8/18

84.697+/-0.015 χ^2/NDF : 120826.8/21

asym_sam_3726_avg_correction_mean vs Slug



Right In: 187.636 $\pm$ 205.631 χ^2 /NDF: 0.0/16

Left Out: -882.727 $\pm$ 520.906 χ^2 /NDF: 2.6/1

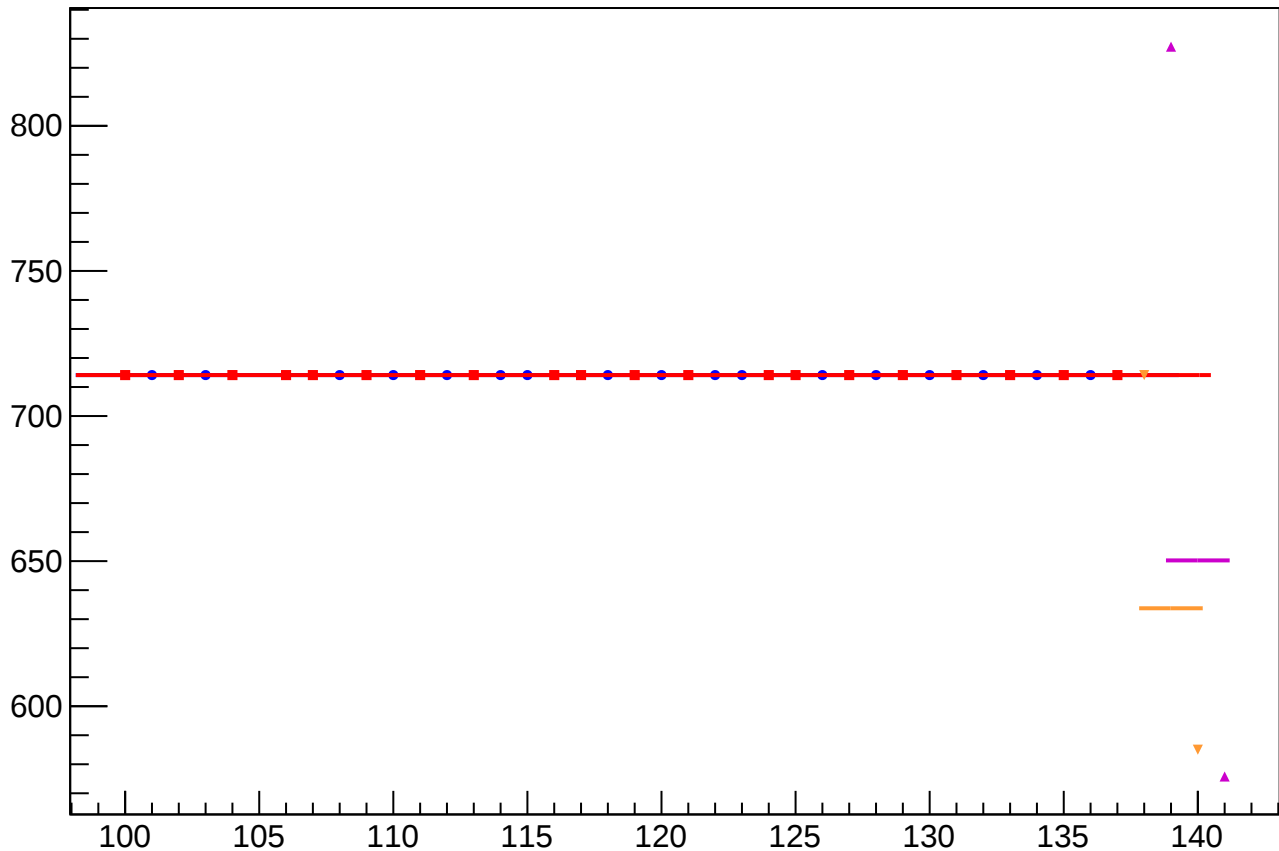
Right Out: 187.636 $\pm$ 189.582 χ^2 /NDF: 0.0/19

Left In: -378.330 $\pm$ 529.028 χ^2 /NDF: 0.9/1

43.327 $\pm$ 191.267 χ^2 /NDF: 6.2/18

123.225 $\pm$ 178.469 χ^2 /NDF: 2.0/21

asym_sam_3726_avg_correction_rms vs Slug



Right In: 714.113+/-0.145 χ^2/NDF : 0.0/16

Left Out: 633.752+/-0.368 χ^2/NDF :28863.0/1

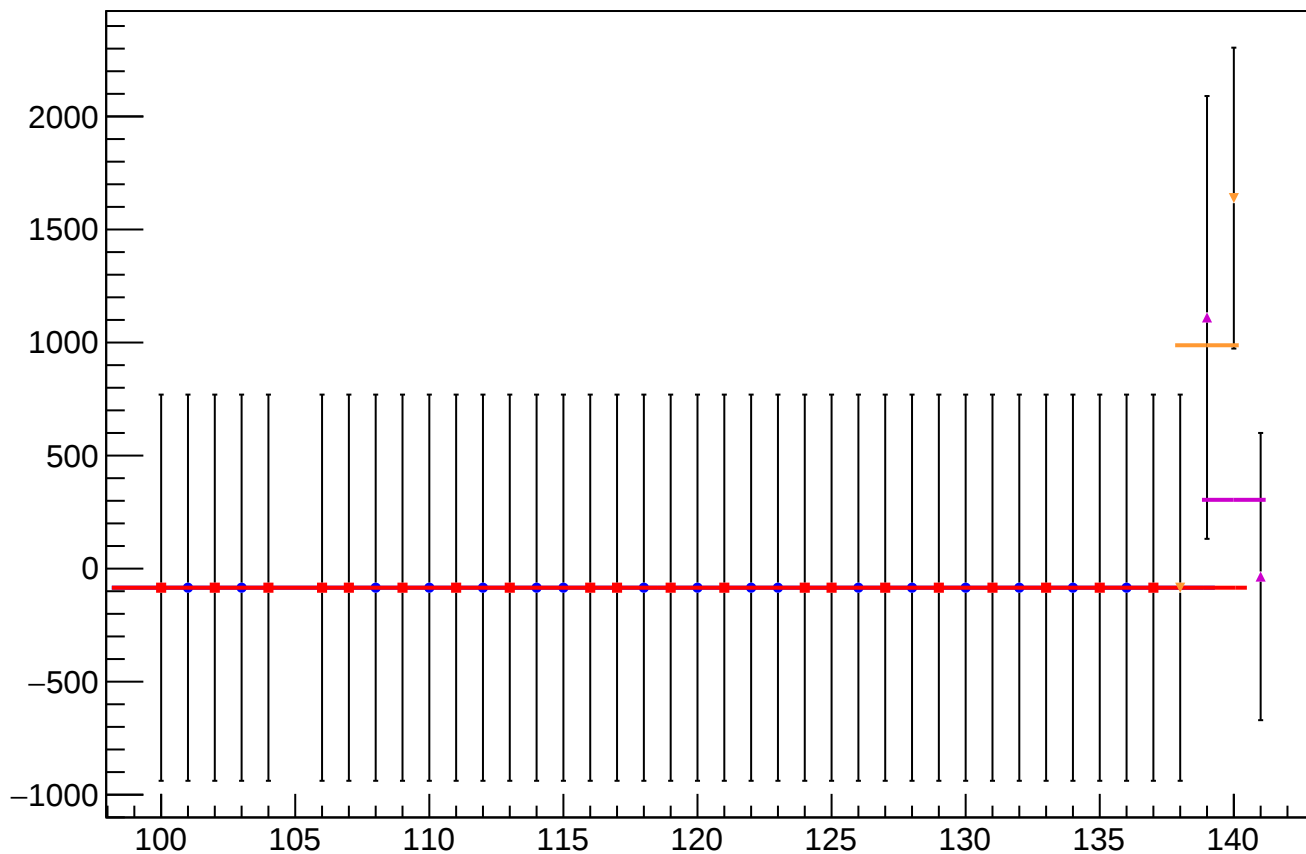
Right Out: 714.113+/-0.134 χ^2/NDF : 0.0/19

Left In: 650.247+/-0.374 χ^2/NDF :94210.7/1

703.278+/-0.135 χ^2/NDF : 70045.0/18

706.844+/-0.126 χ^2/NDF : 120041.2/21

asym_sam_3726_avg_mean vs Slug



Right In: -84.386±/207.148 χ^2/NDF : 0.0/16

Left Out: 987.962±/524.907 χ^2/NDF : 2.5/1

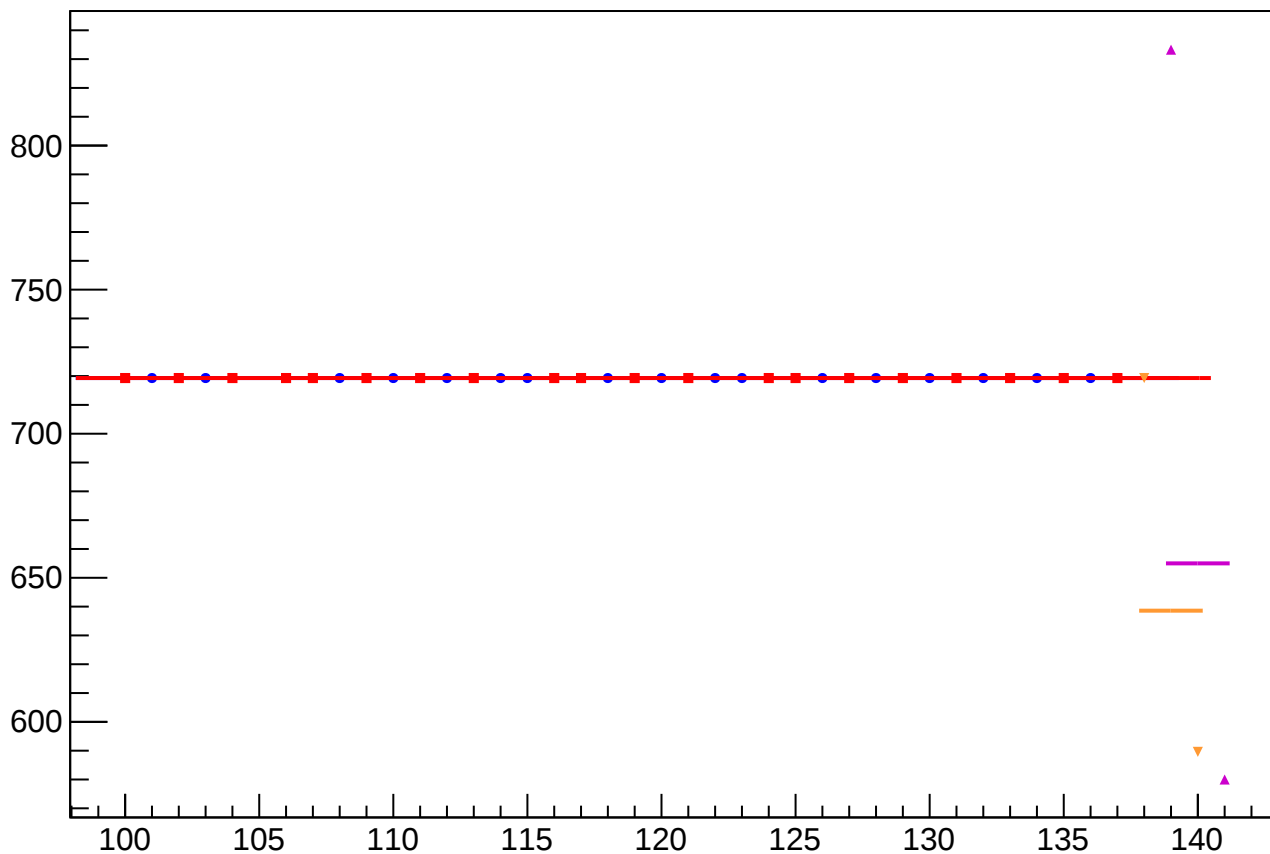
Right Out: -84.386±/190.981 χ^2/NDF : 0.0/19

Left In: 304.294±/532.908 χ^2/NDF : 1.0/1

60.116±/192.687 χ^2/NDF : 6.1/18

-40.148±/179.785 χ^2/NDF : 1.4/21

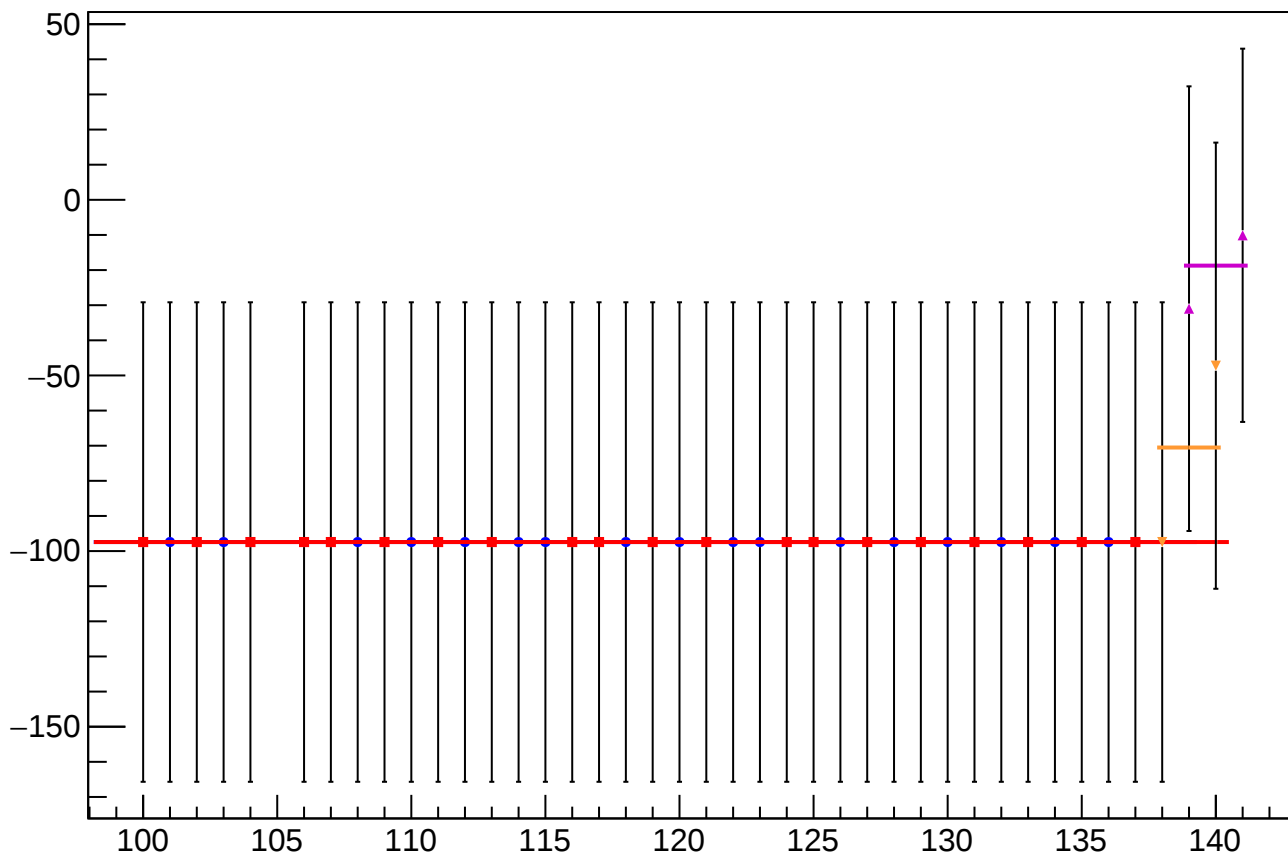
asym_sam_3726_avg_rms vs Slug



Right In: 719.321+/-0.146 χ^2/NDF : 0.0/16
Left Out: 638.591+/-0.371 χ^2/NDF : 28713.8/1
Right Out: 719.321+/-0.135 χ^2/NDF : 0.0/19
Left In: 655.002+/-0.377 χ^2/NDF : 94169.5/1

708.442+/-0.136 χ^2/NDF : 69646.9/18
712.000+/-0.127 χ^2/NDF : 119987.8/21

reg_asym_sam_15_48_dd_mean vs Slug



Right In: -97.426 $\pm$ 16.555 χ^2 /NDF: 0.0/16

Left Out: -70.518 $\pm$ 46.496 χ^2 /NDF:0.3/1

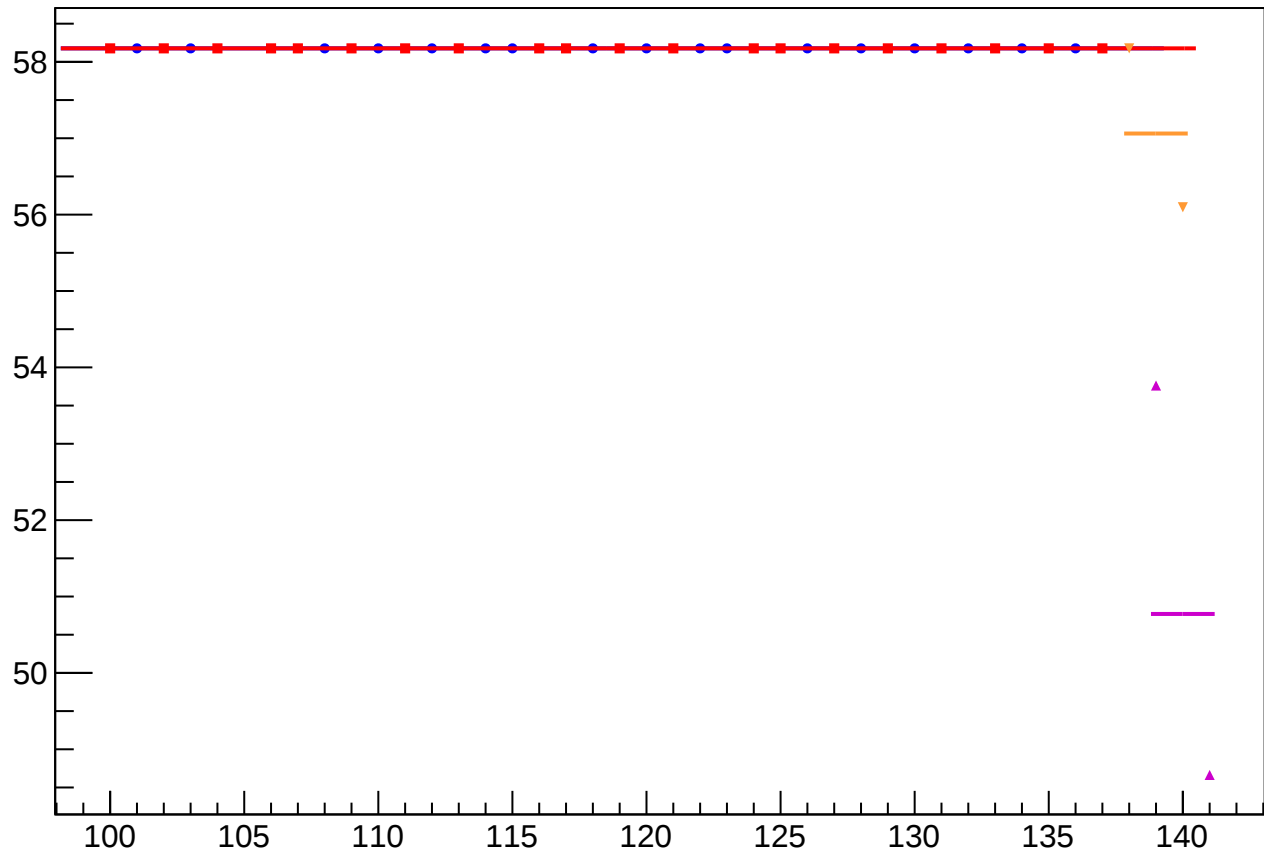
Right Out: -97.426 $\pm$ 15.263 χ^2 /NDF: 0.0/19

Left In: -18.734 $\pm$ 40.694 χ^2 /NDF:0.1/1

-94.399 $\pm$ 15.596 χ^2 /NDF: 0.6/18

-87.722 $\pm$ 14.291 χ^2 /NDF: 3.3/21

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 58.177+/-0.012 χ^2/NDF : 0.0/16

Left Out: 57.062+/-0.033 χ^2/NDF :995.9/1

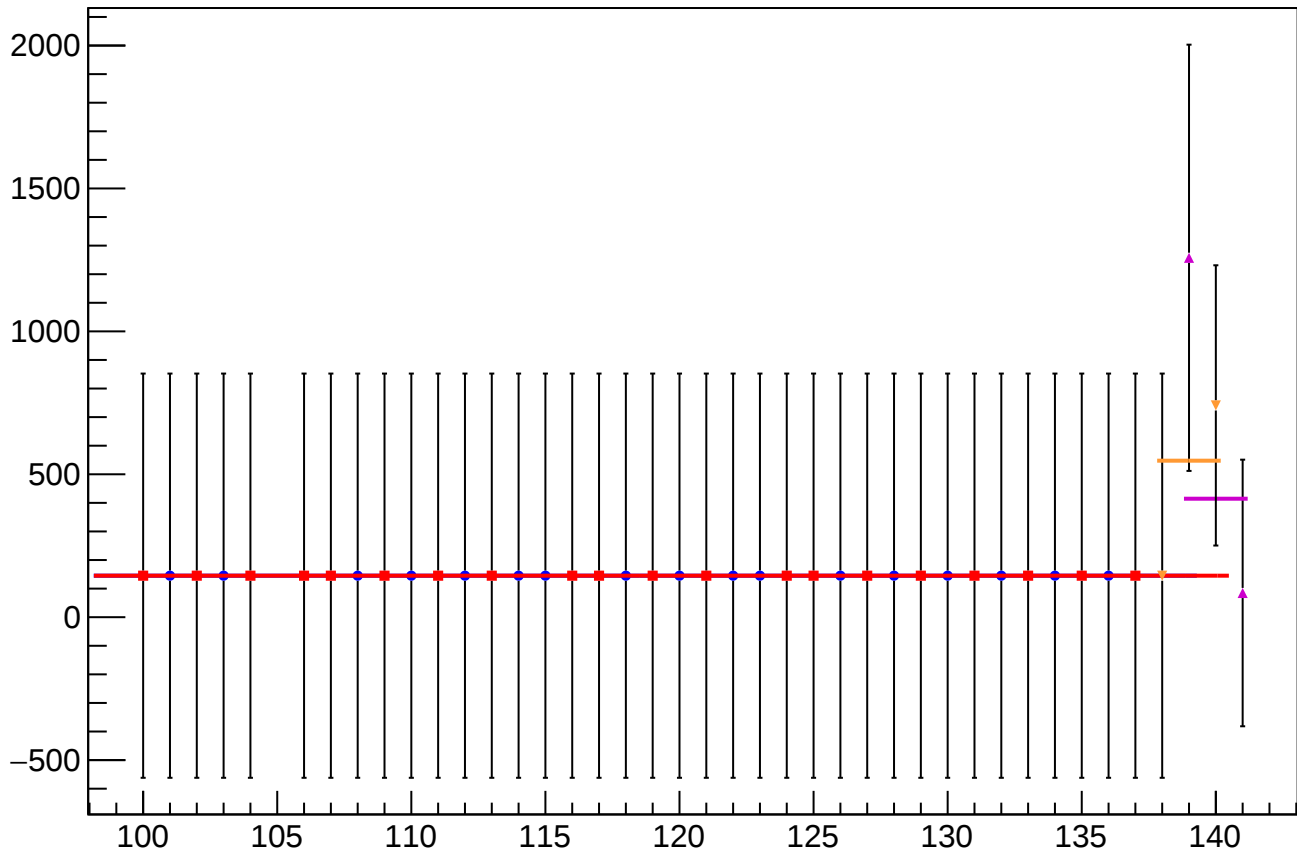
Right Out: 58.177+/-0.011 χ^2/NDF : 0.0/19

Left In: 50.772+/-0.029 χ^2/NDF :7612.0/1

58.051+/-0.011 χ^2/NDF : 2016.7/18

57.264+/-0.010 χ^2/NDF : 65669.8/21

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 145.219+/-171.503 χ^2/NDF : 0.0/16

Left Out: 547.565+/-402.904 χ^2/NDF : 0.5/1

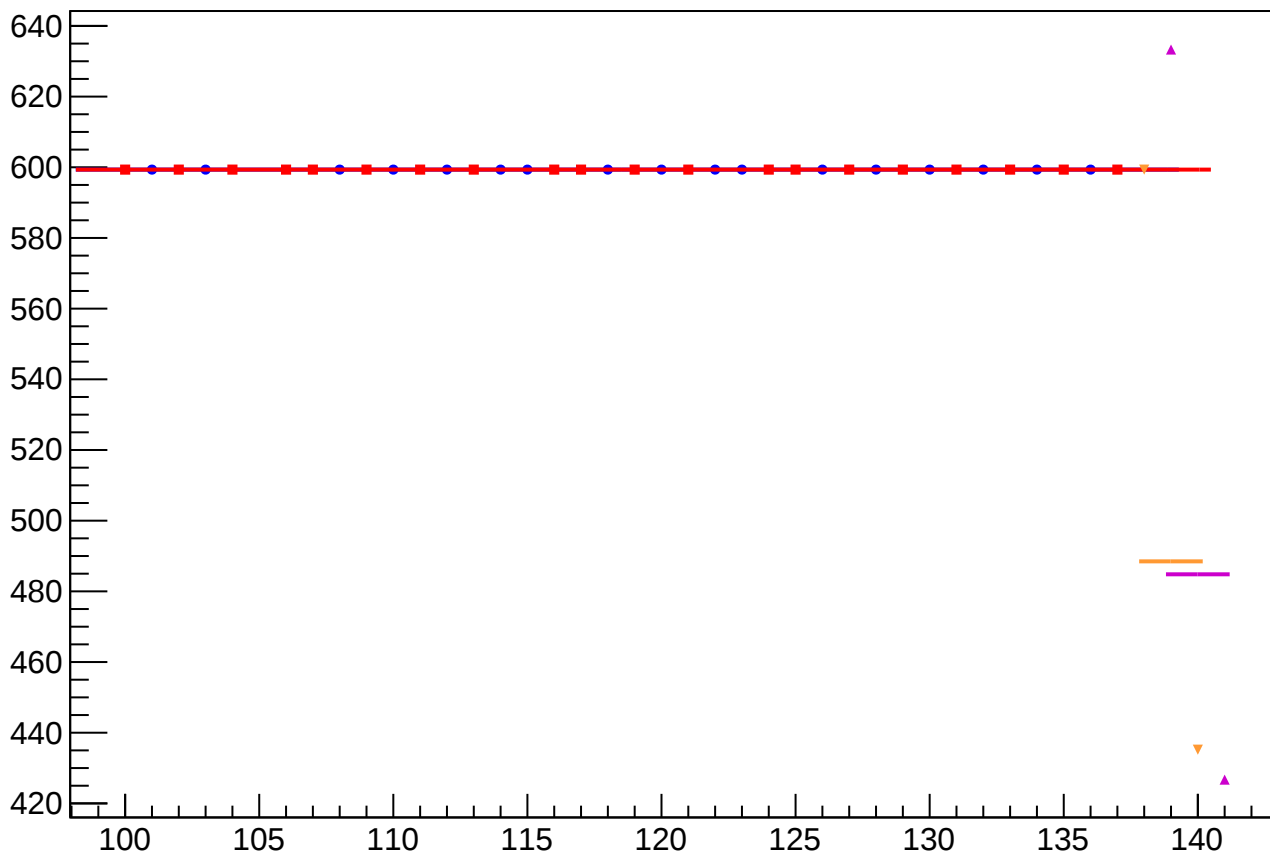
Right Out: 145.219+/-158.118 χ^2/NDF : 0.0/19

Left In: 414.522+/-395.416 χ^2/NDF : 1.8/1

206.939+/-157.802 χ^2/NDF : 1.3/18

182.345+/-146.815 χ^2/NDF : 2.2/21

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 599.340 $\pm$ 0.121 χ^2 /NDF: 0.0/16

Left Out: 488.487 $\pm$ 0.285 χ^2 /NDF: 72777.9/1

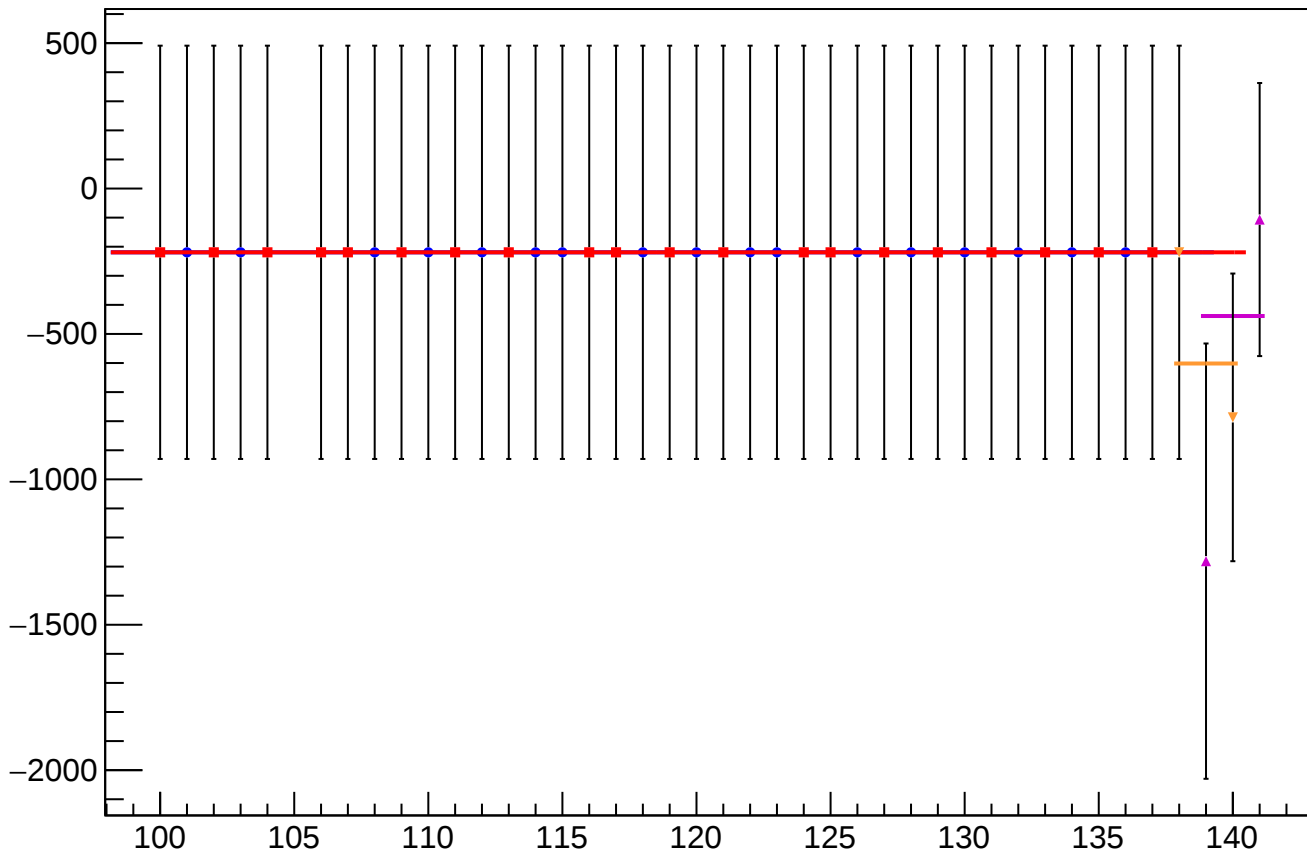
Right Out: 599.340 $\pm$ 0.112 χ^2 /NDF: 0.0/19

Left In: 484.823 $\pm$ 0.280 χ^2 /NDF: 110358.1/1

582.335 $\pm$ 0.112 χ^2 /NDF: 200952.7/18

583.553 $\pm$ 0.104 χ^2 /NDF: 254980.8/21

asym sam 15 48 dd mean vs Slug



Right In: -219.315+/-172.344 χ^2 /NDF: 0.0/16

-277.706+/-158.639 χ^2/NDF : 1.2/18

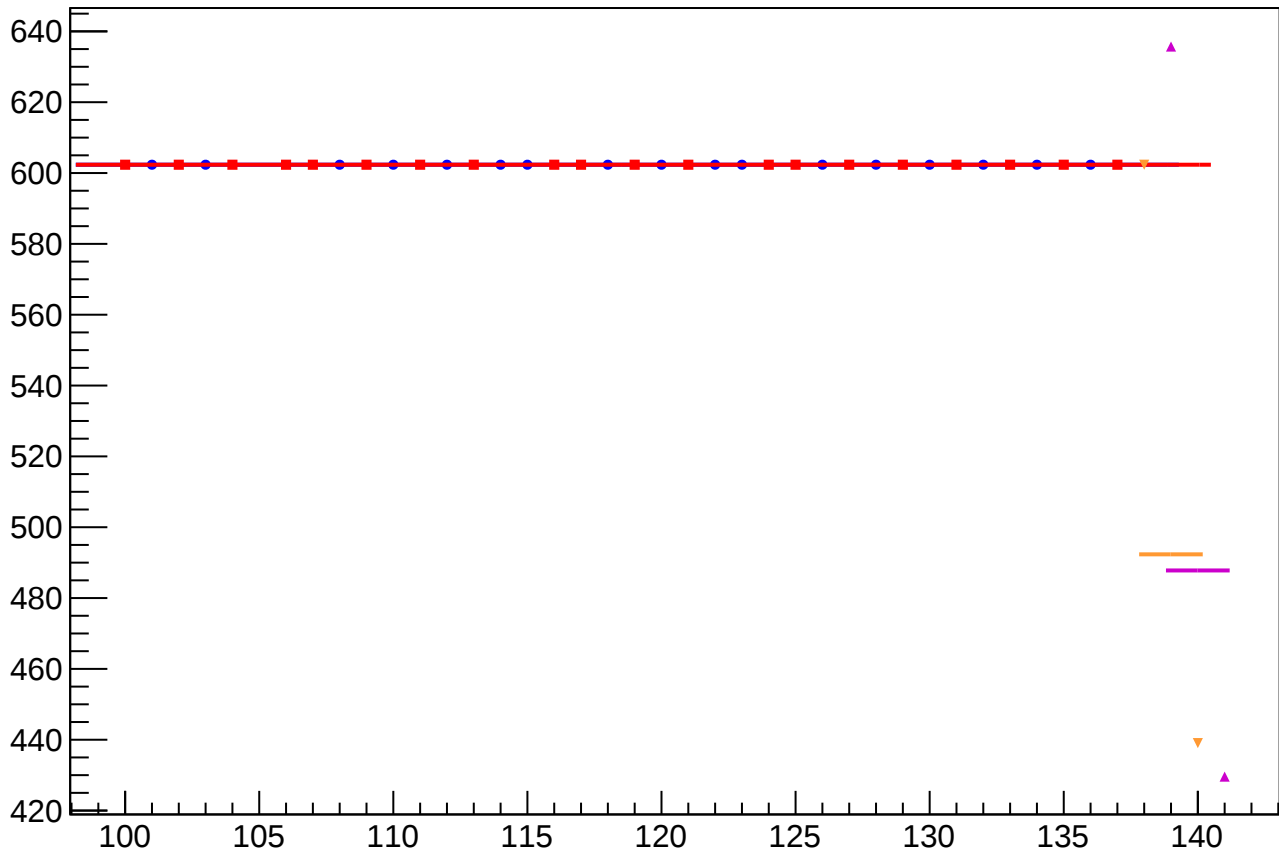
Left Out: -601.656+/-405.943 χ^2/NDF :0.4/1

-249.463+/-147.554 χ^2/NDF : 2.0/21

Right Out: -219.315+/-158.893 χ^2/NDF : 0.0/19

Left In: -438.353+/-397.722 χ^2/NDF :1.8/1

asym_sam_15_48_dd_rms vs Slug



Right In: 602.349+/-0.122 χ^2/NDF : 0.0/16

Left Out: 492.343+/-0.287 χ^2/NDF : 71152.3/1

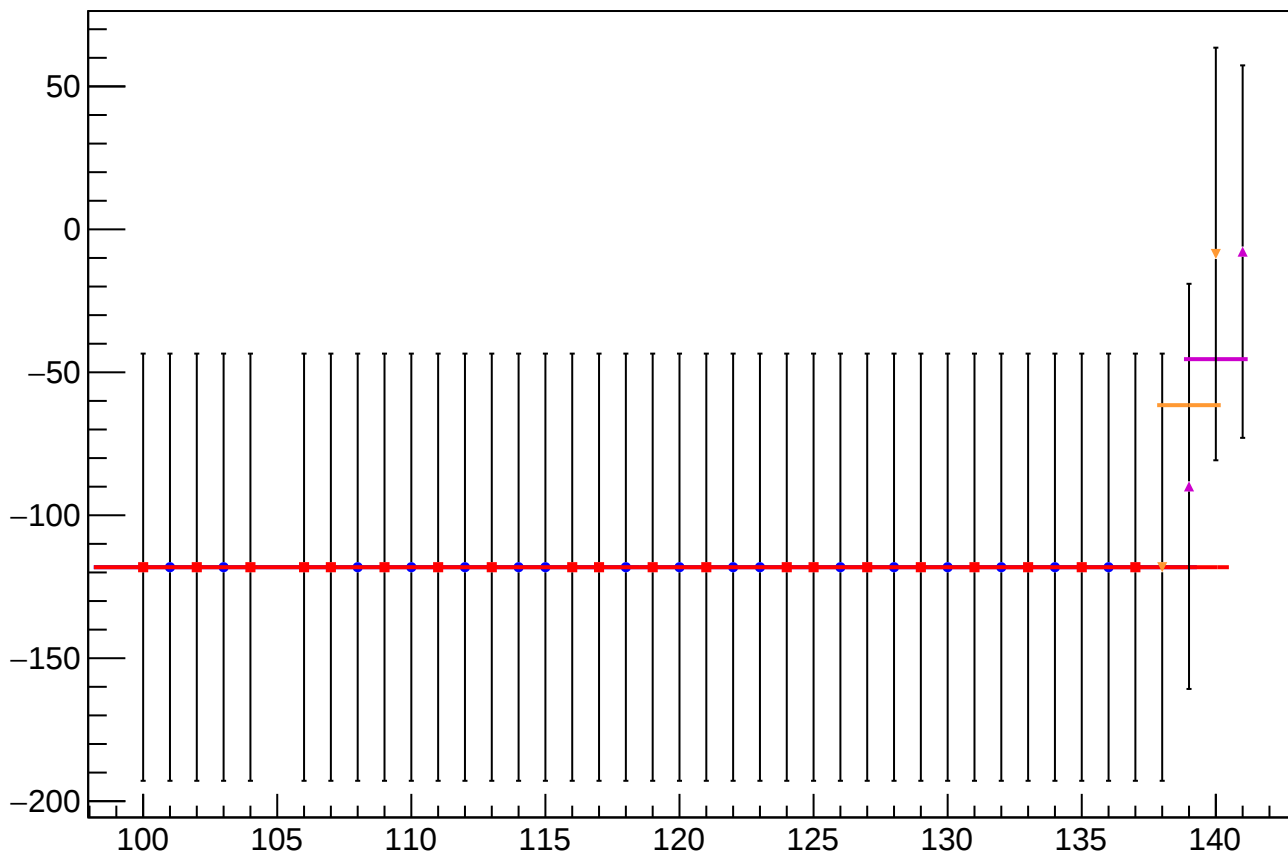
Right Out: 602.349+/-0.112 χ^2/NDF : 0.0/19

Left In: 487.795+/-0.281 χ^2/NDF : 108867.0/1

585.549+/-0.112 χ^2/NDF : 195592.2/18

586.581+/-0.104 χ^2/NDF : 251947.2/21

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -118.166+/-18.119 χ^2/NDF : 0.0/16

Left Out: -61.487+/-51.902 χ^2/NDF : 1.1/1

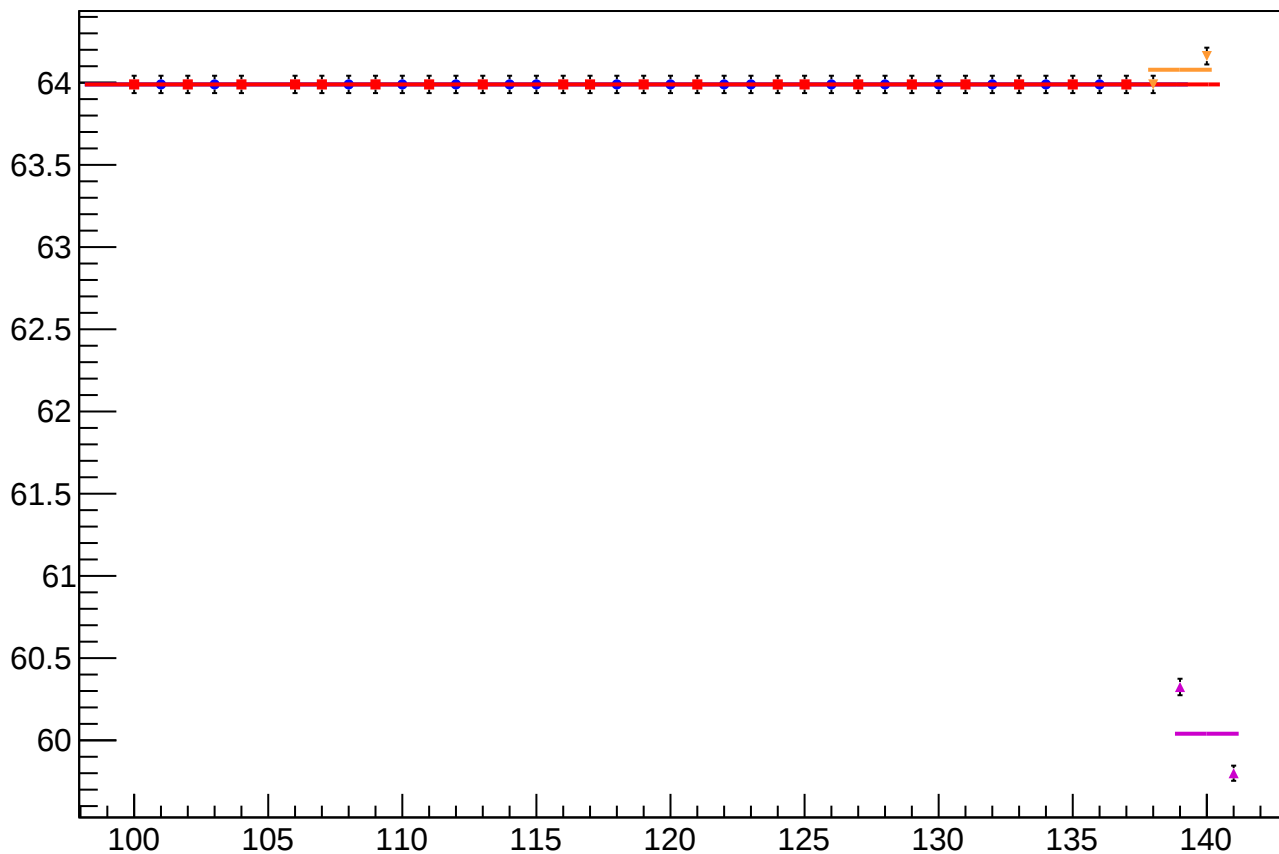
Right Out: -118.166+/-16.705 χ^2/NDF : 0.0/19

Left In: -45.395+/-47.954 χ^2/NDF : 0.7/1

-112.009+/-17.107 χ^2/NDF : 2.2/18

-110.291+/-15.775 χ^2/NDF : 2.8/21

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 63.989+/-0.013 χ^2/NDF : 0.0/16

Left Out: 64.079+/-0.037 χ^2/NDF : 5.5/1

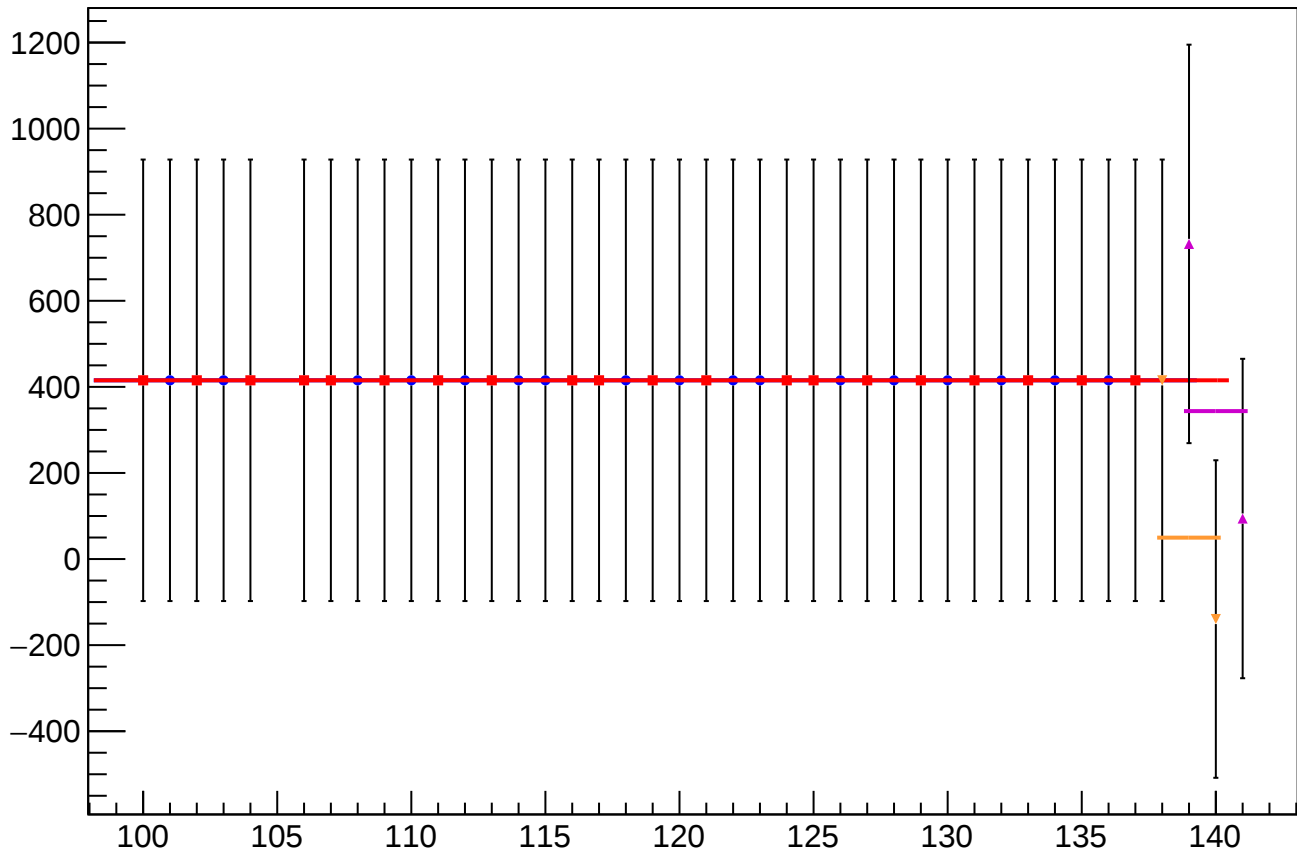
Right Out: 63.989+/-0.012 χ^2/NDF : 0.0/19

Left In: 60.040+/-0.034 χ^2/NDF : 59.4/1

63.999+/-0.012 χ^2/NDF : 10.8/18

63.562+/-0.011 χ^2/NDF : 12155.8/21

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 415.260 $\pm$ 124.389 χ^2 /NDF: 0.0/16

Left Out: 49.725 $\pm$ 299.461 χ^2 /NDF: 0.8/1

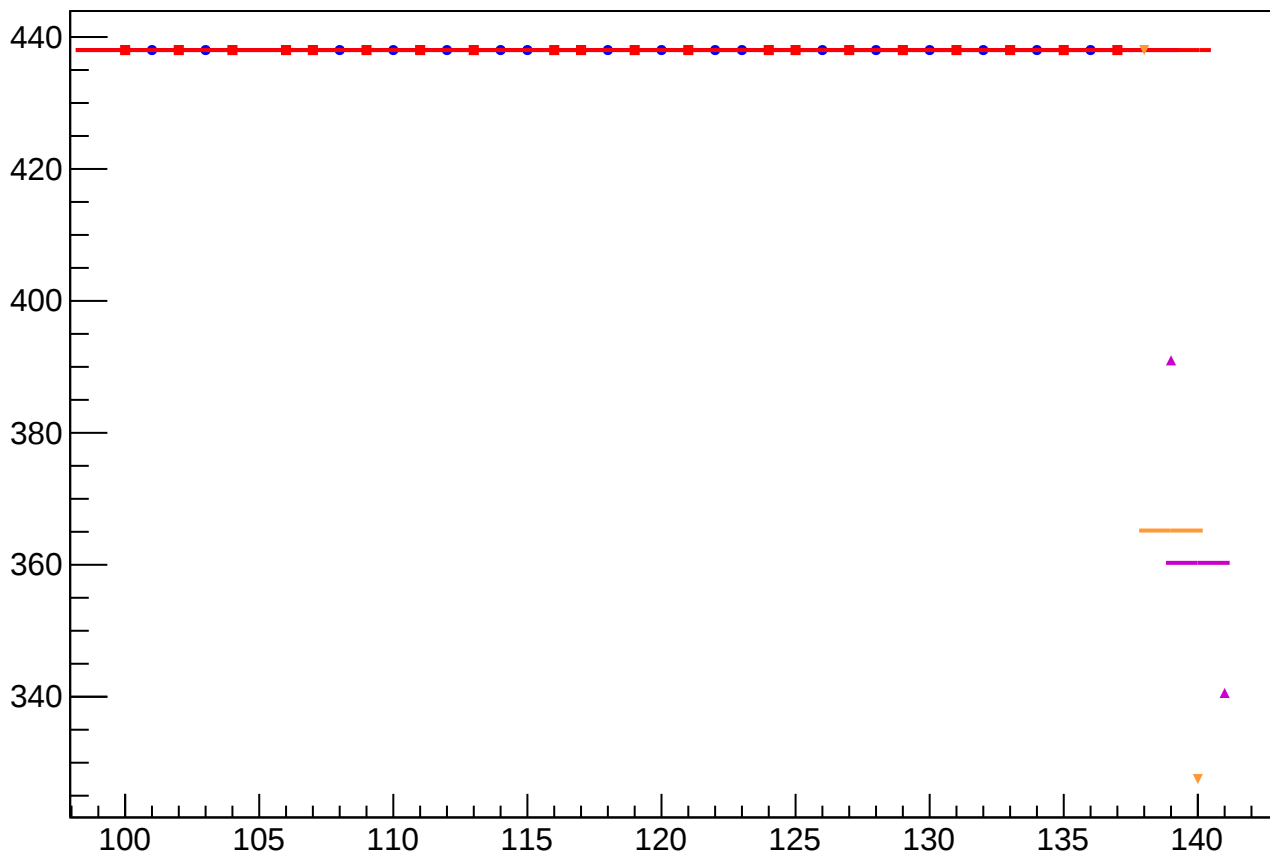
Right Out: 415.260 $\pm$ 114.681 χ^2 /NDF: 0.0/19

Left In: 343.714 $\pm$ 289.511 χ^2 /NDF: 1.2/1

361.472 $\pm$ 114.873 χ^2 /NDF: 2.0/18

405.557 $\pm$ 106.621 χ^2 /NDF: 1.2/21

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 438.022 $\pm$ 0.088 χ^2 /NDF: 0.0/16

Left Out: 365.193 $\pm$ 0.212 χ^2 /NDF: 61191.6/1

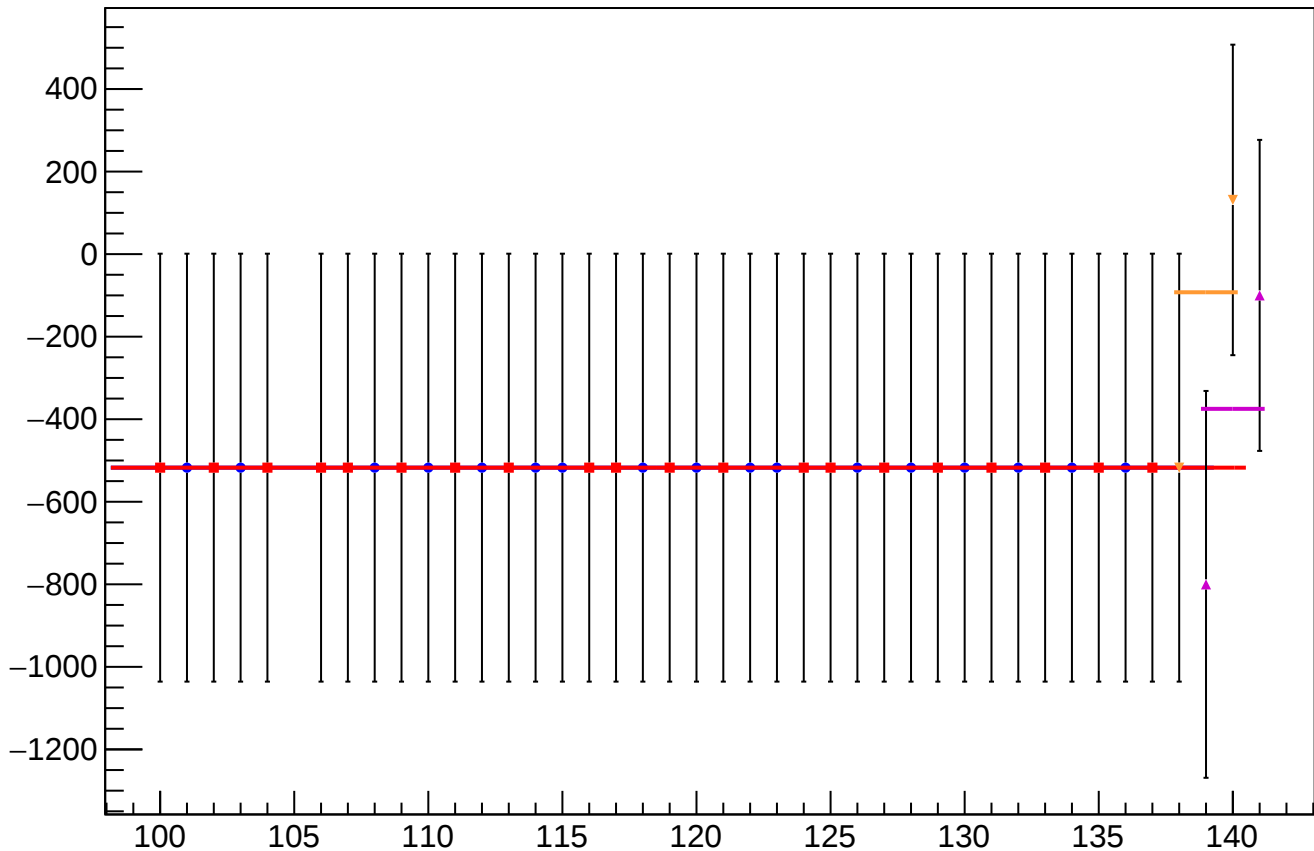
Right Out: 438.022 $\pm$ 0.081 χ^2 /NDF: 0.0/19

Left In: 360.295 $\pm$ 0.205 χ^2 /NDF: 14445.9/1

427.305 $\pm$ 0.081 χ^2 /NDF: 162077.0/18

427.480 $\pm$ 0.075 χ^2 /NDF: 139052.9/21

asym_sam_37_48_dd_mean vs Slug



Right In: -517.375+/-125.736 χ^2 /NDF: 0.0/16

Left Out: -92.424+/-304.463 χ^2 /NDF:1.0/1

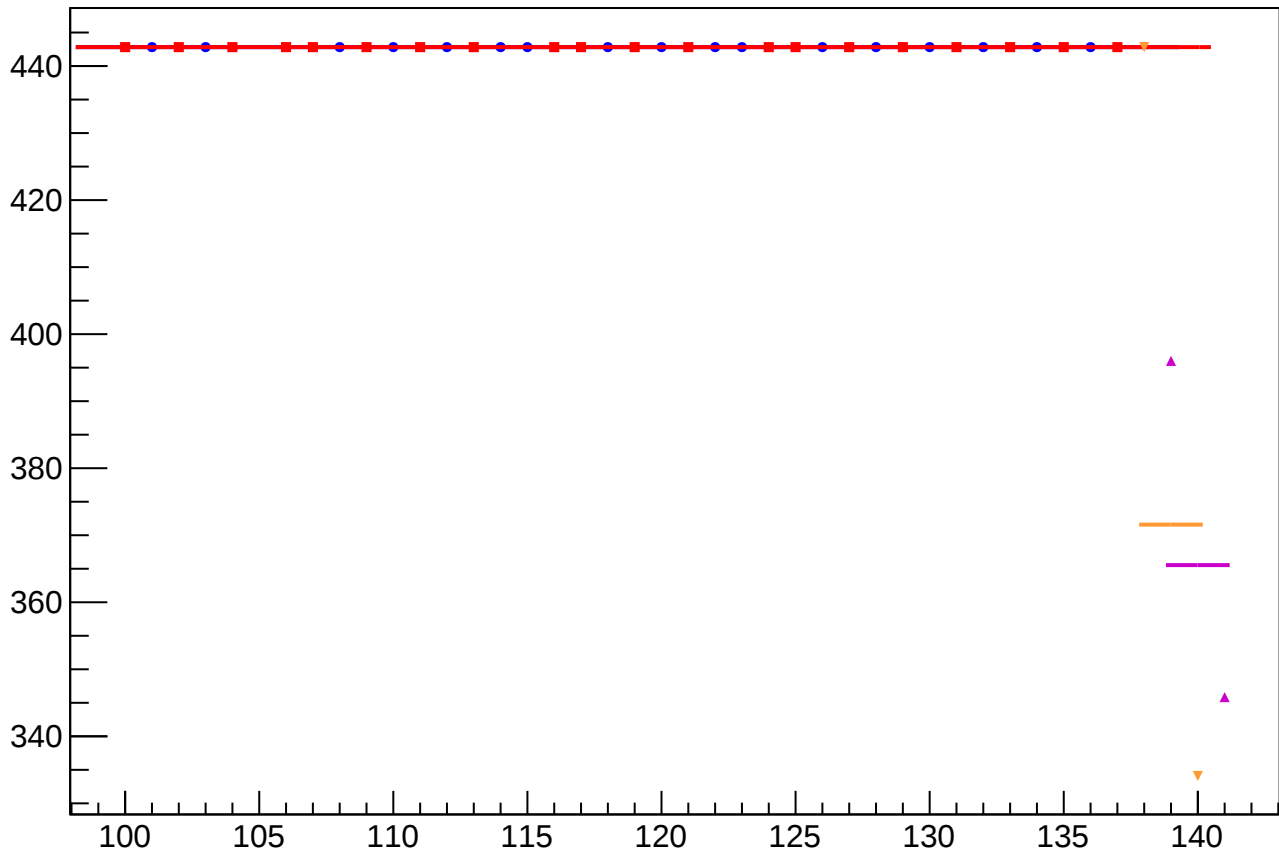
Right Out: -517.375+/-115.923 χ^2 /NDF: 0.0/19

Left In: -374.877+/-293.642 χ^2 /NDF:1.4/1

-455.459+/-116.216 χ^2 /NDF: 2.7/18

-498.161+/-107.825 χ^2 /NDF: 1.6/21

asym_sam_37_48_dd_rms vs Slug



Right In: 442.822 $\pm$ 0.089 χ^2 /NDF: 0.0/16

Left Out: 371.584 $\pm$ 0.215 χ^2 /NDF: 57646.9/1

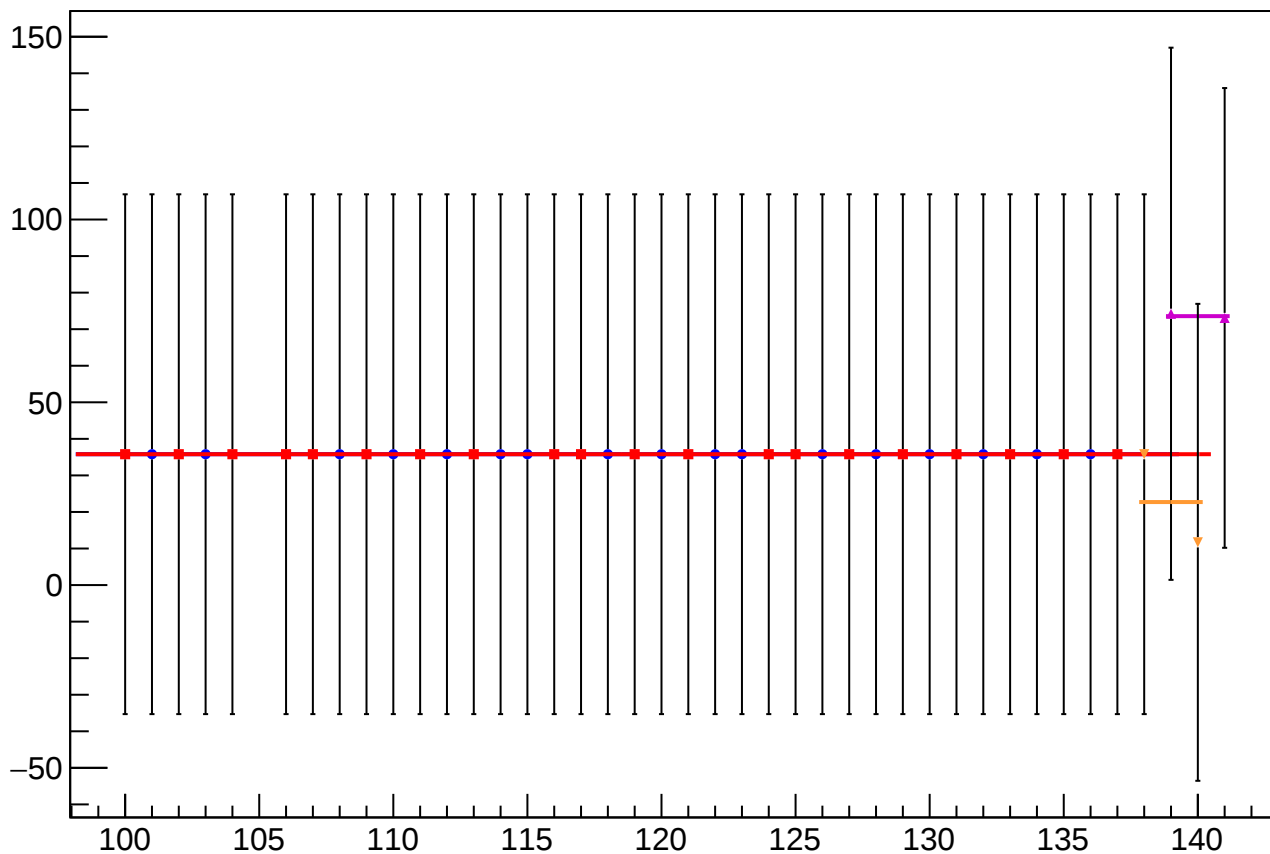
Right Out: 442.822 $\pm$ 0.082 χ^2 /NDF: 0.0/19

Left In: 365.543 $\pm$ 0.208 χ^2 /NDF: 13919.0/1

432.442 $\pm$ 0.082 χ^2 /NDF: 151185.4/18

432.402 $\pm$ 0.076 χ^2 /NDF: 133762.8/21

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 35.799 $\pm$ 17.244 χ^2 /NDF: 0.0/16

Left Out: 22.712 $\pm$ 48.068 χ^2 /NDF: 0.1/1

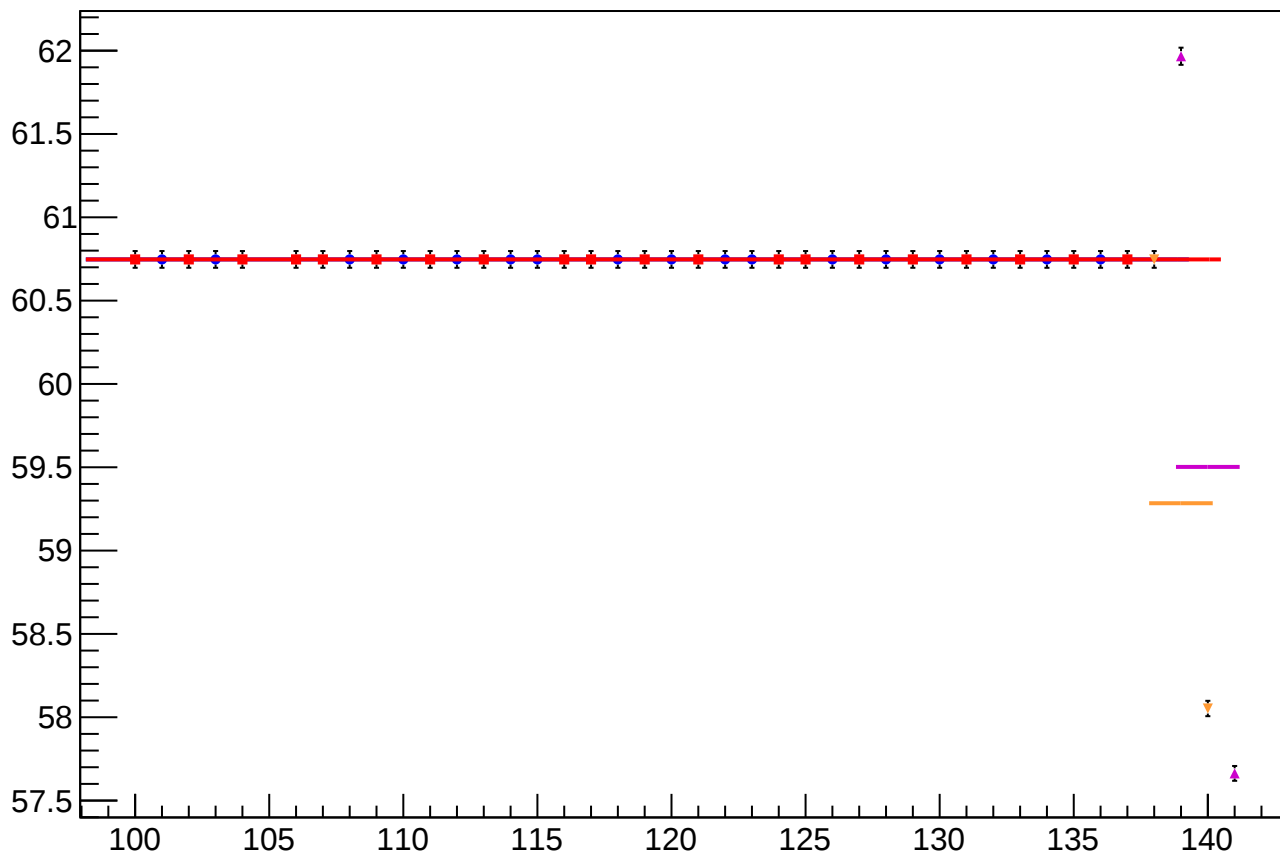
Right Out: 35.799 $\pm$ 15.898 χ^2 /NDF: 0.0/19

Left In: 73.567 $\pm$ 47.586 χ^2 /NDF: 0.0/1

34.307 $\pm$ 16.231 χ^2 /NDF: 0.1/18

39.592 $\pm$ 15.079 χ^2 /NDF: 0.6/21

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 60.747 $\pm$ 0.012 χ^2 /NDF: 0.0/16

Left Out: 59.284 $\pm$ 0.034 χ^2 /NDF:1559.9/1

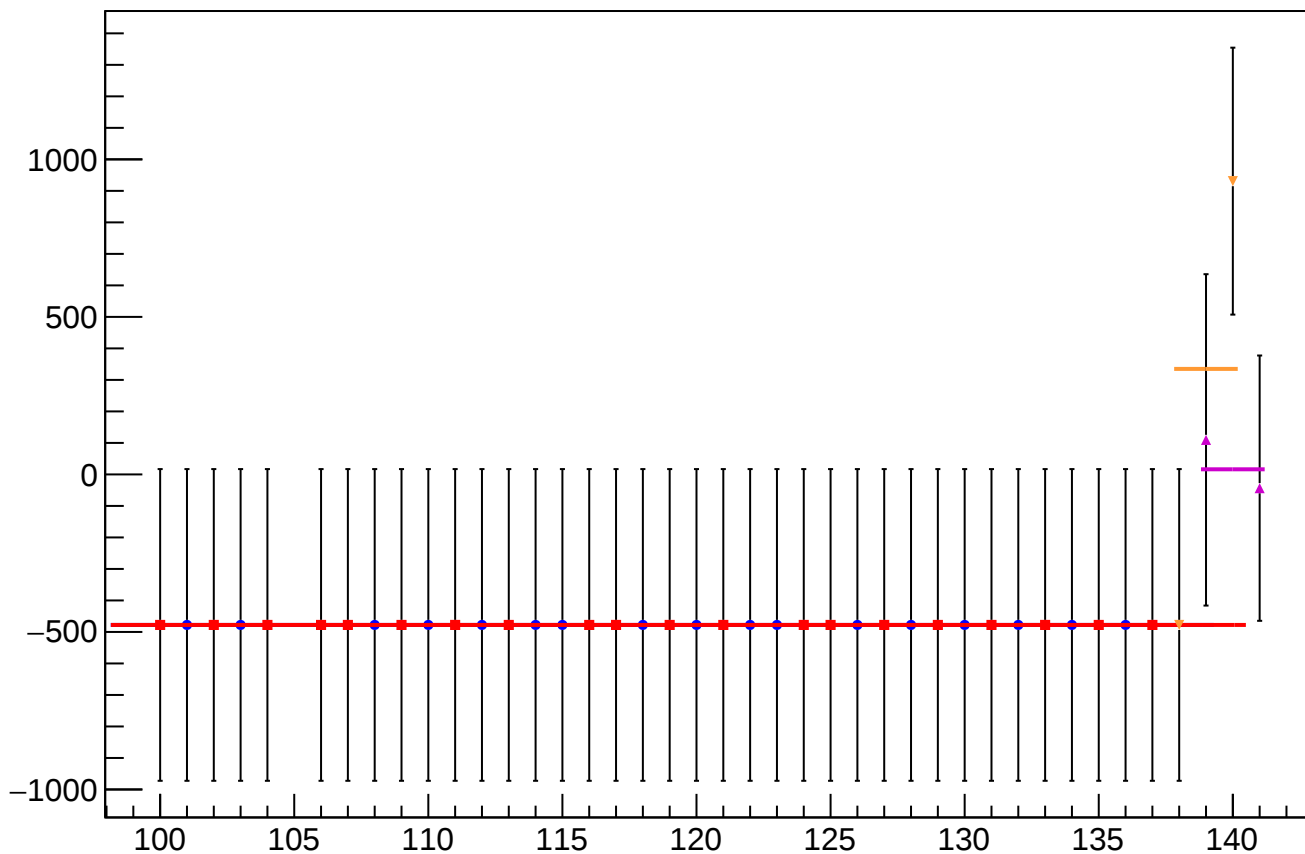
Right Out: 60.747 $\pm$ 0.011 χ^2 /NDF: 0.0/19

Left In: 59.502 $\pm$ 0.034 χ^2 /NDF:4002.8/1

60.580 $\pm$ 0.011 χ^2 /NDF: 3201.6/18

60.622 $\pm$ 0.011 χ^2 /NDF: 5234.7/21

asym_sam_15_26_dd_correction_mean vs Slug



Right In: -477.757+/-119.983 χ^2/NDF : 0.0/16

Left Out: 334.925+/-321.777 χ^2/NDF : 4.7/1

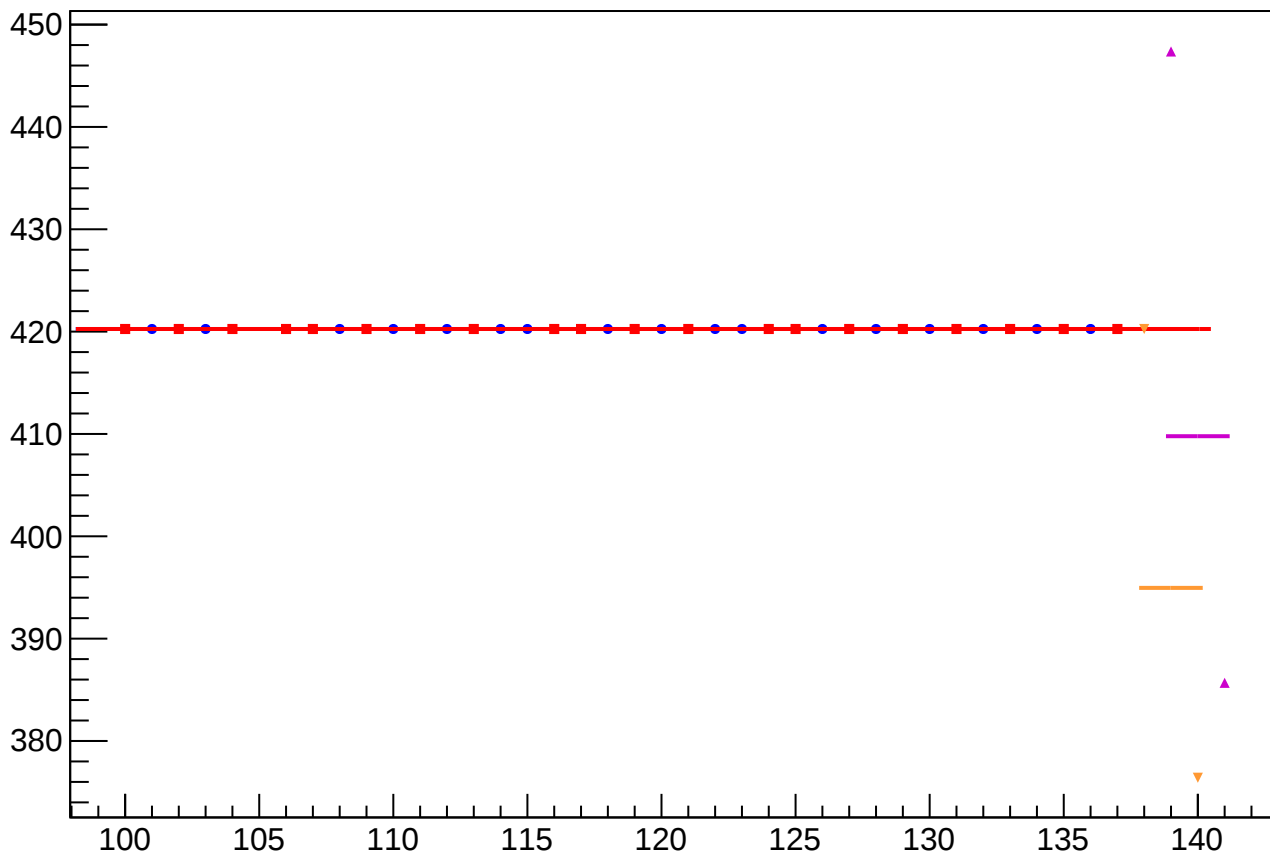
Right Out: -477.757+/-110.619 χ^2/NDF : 0.0/19

Left In: 16.240+/-328.688 χ^2/NDF : 0.1/1

-378.556+/-112.422 χ^2/NDF : 10.3/18

-427.498+/-104.841 χ^2/NDF : 2.1/21

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 420.257 $\pm$ 0.085 χ^2 /NDF: 0.0/16

Left Out: 394.960 $\pm$ 0.228 χ^2 /NDF:9064.7/1

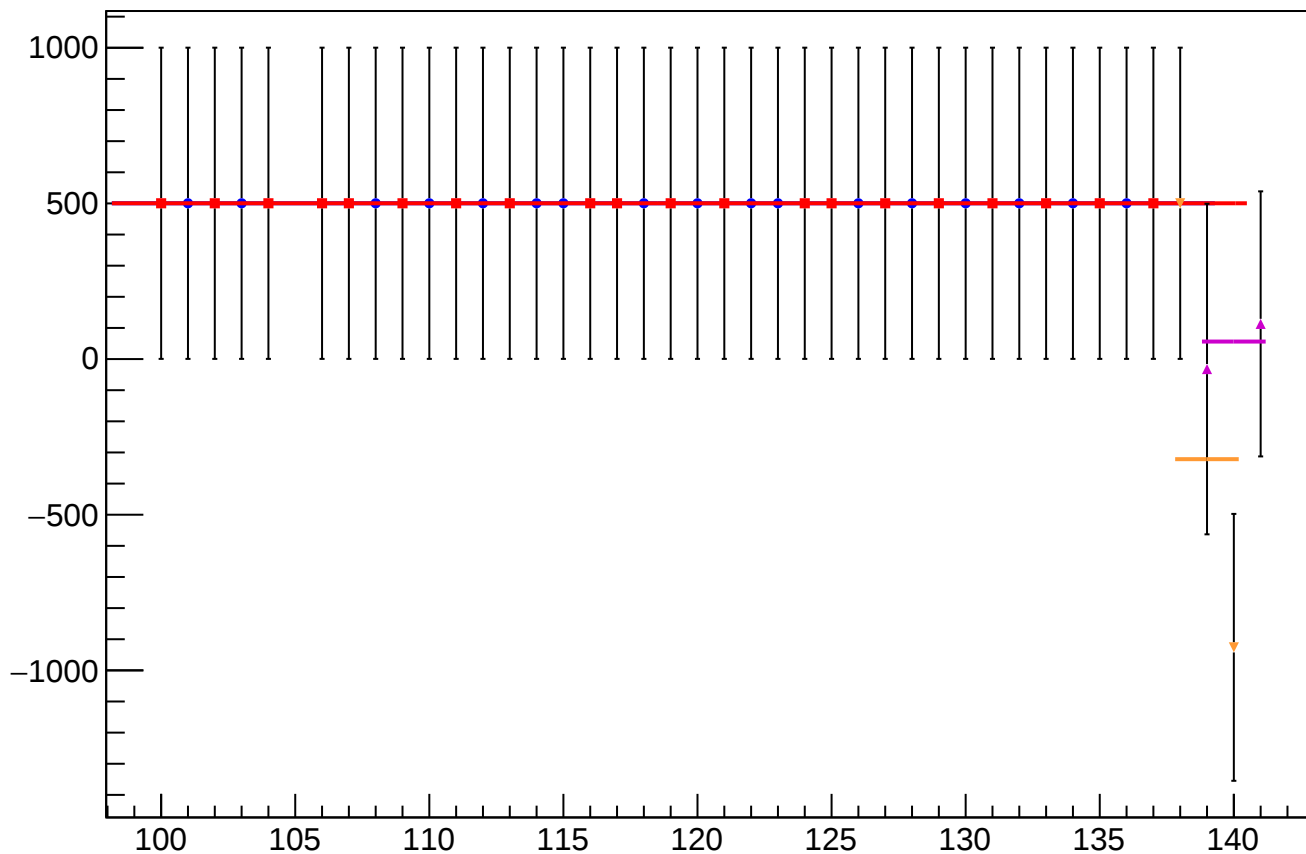
Right Out: 420.257 $\pm$ 0.078 χ^2 /NDF: 0.0/19

Left In: 409.780 $\pm$ 0.232 χ^2 /NDF:16769.7/1

417.169 $\pm$ 0.079 χ^2 /NDF: 19916.9/18

419.191 $\pm$ 0.074 χ^2 /NDF: 18594.8/21

asym_sam_15_26_dd_mean vs Slug



Right In: 500.448 $\pm$ 121.238 χ^2 /NDF: 0.0/16

Left Out: -321.562 $\pm$ 325.407 χ^2 /NDF:4.7/1

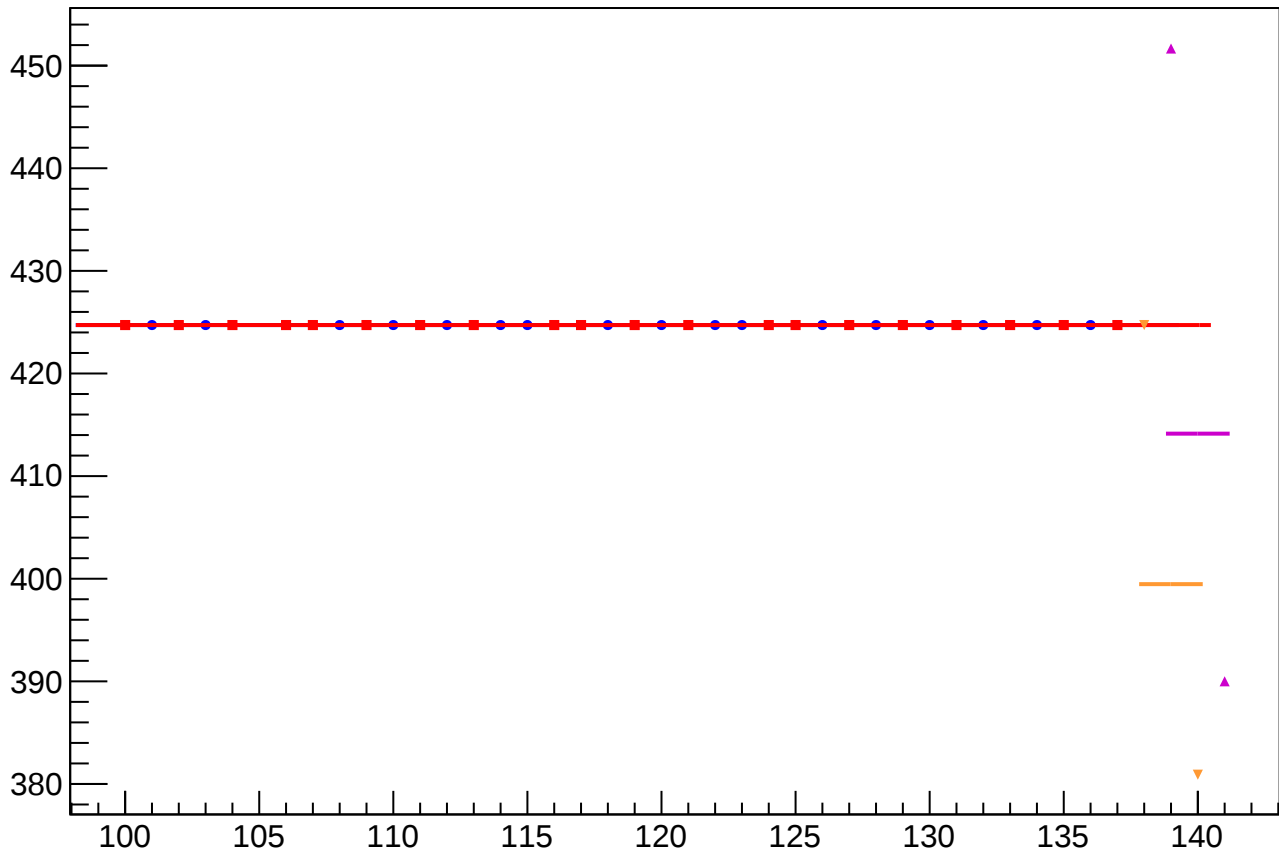
Right Out: 500.448 $\pm$ 111.776 χ^2 /NDF: 0.0/19

Left In: 56.239 $\pm$ 332.154 χ^2 /NDF:0.0/1

400.252 $\pm$ 113.609 χ^2 /NDF: 10.3/18

455.261 $\pm$ 105.938 χ^2 /NDF: 1.7/21

asym_sam_15_26_dd_rms vs Slug



Right In: 424.721+/-0.086 χ^2/NDF : 0.0/16

Left Out: 399.472+/-0.230 χ^2/NDF : 8854.6/1

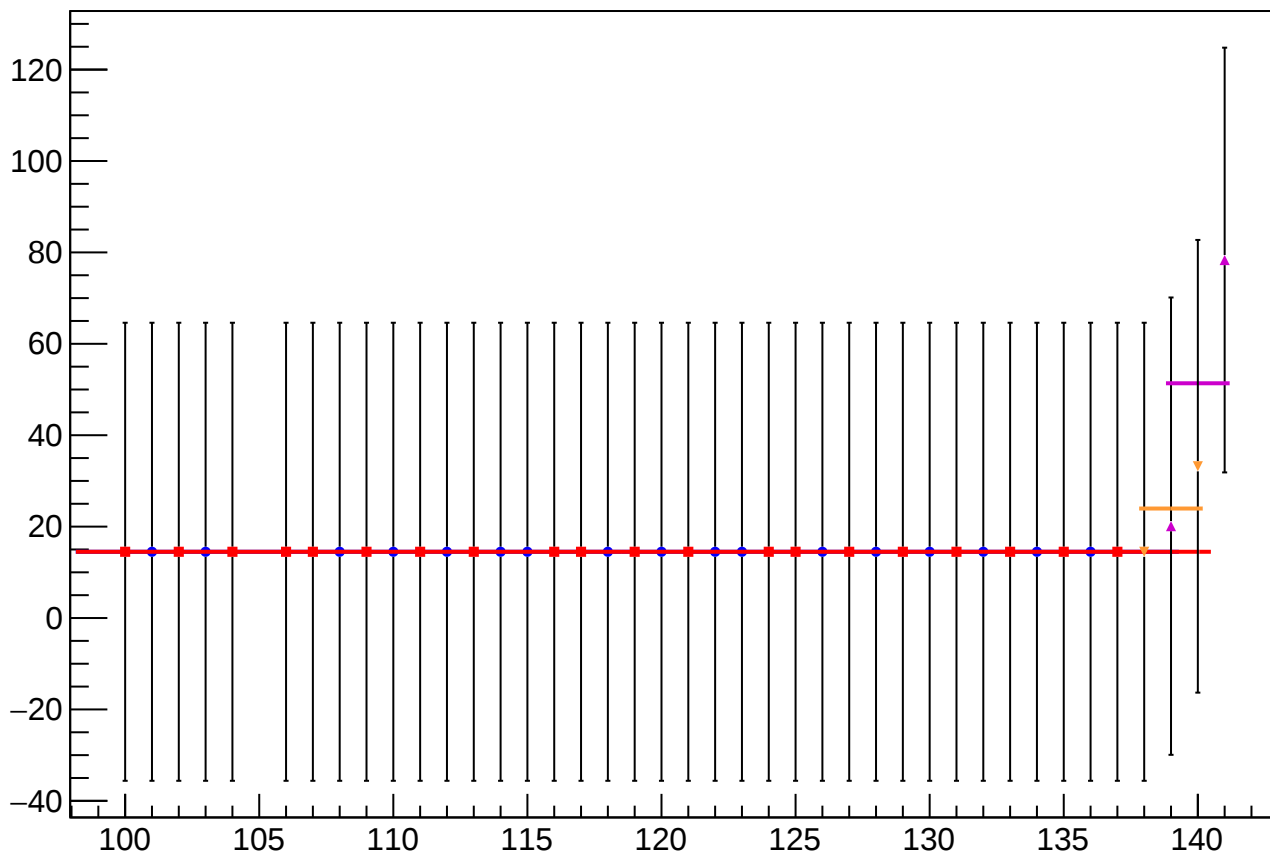
Right Out: 424.721+/-0.079 χ^2/NDF : 0.0/19

Left In: 414.138+/-0.235 χ^2/NDF : 16417.8/1

421.643+/-0.080 χ^2/NDF : 19427.3/18

423.644+/-0.075 χ^2/NDF : 18241.6/21

reg_asym_sam_37_26_dd_mean vs Slug



Right In: 14.497+/-12.154 χ^2/NDF : 0.0/16

Left Out: 23.959+/-35.225 χ^2/NDF : 0.1/1

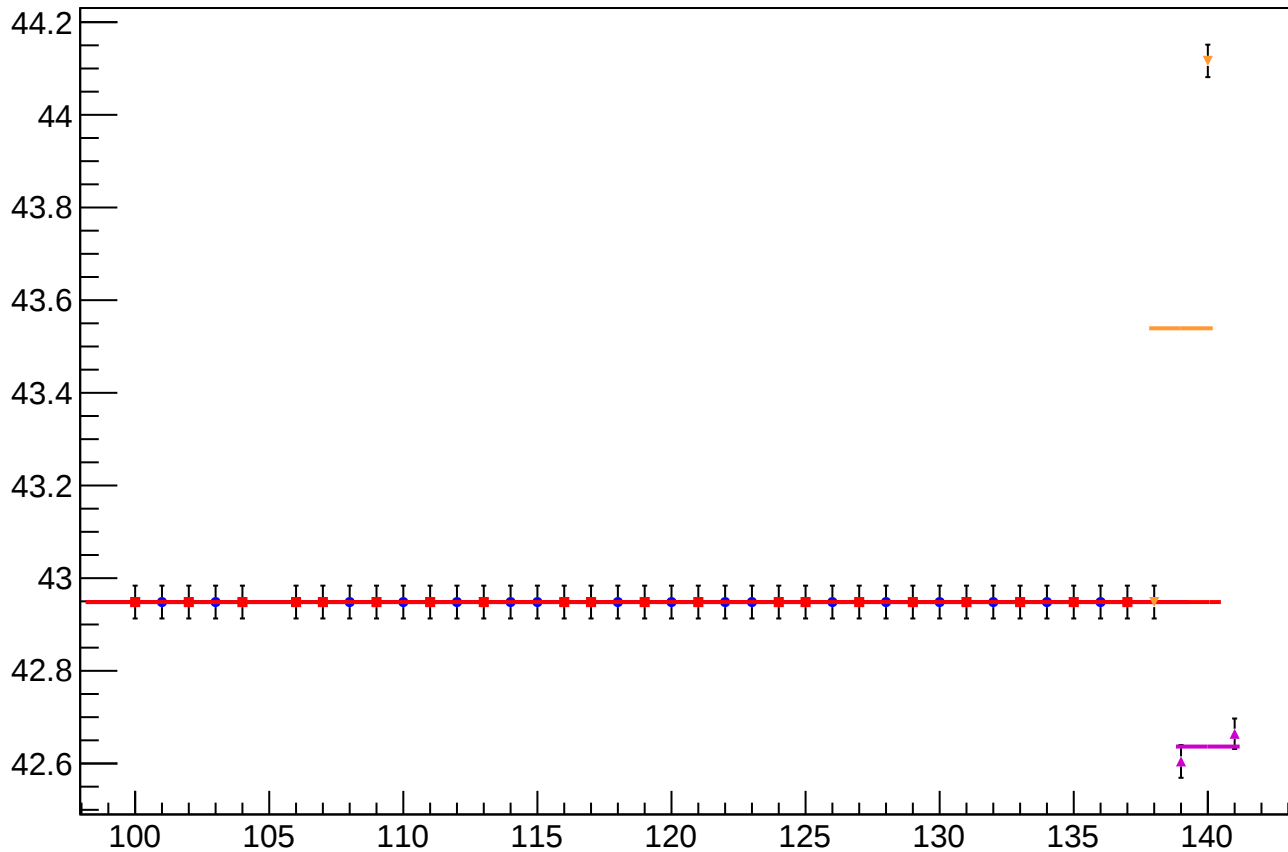
Right Out: 14.497+/-11.205 χ^2/NDF : 0.0/19

Left In: 51.364+/-34.049 χ^2/NDF : 0.7/1

15.504+/-11.489 χ^2/NDF : 0.1/18

18.100+/-10.644 χ^2/NDF : 1.8/21

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 42.948 $\pm$ 0.009 χ^2 /NDF: 0.0/16

Left Out: 43.539 $\pm$ 0.025 χ^2 /NDF: 549.6/1

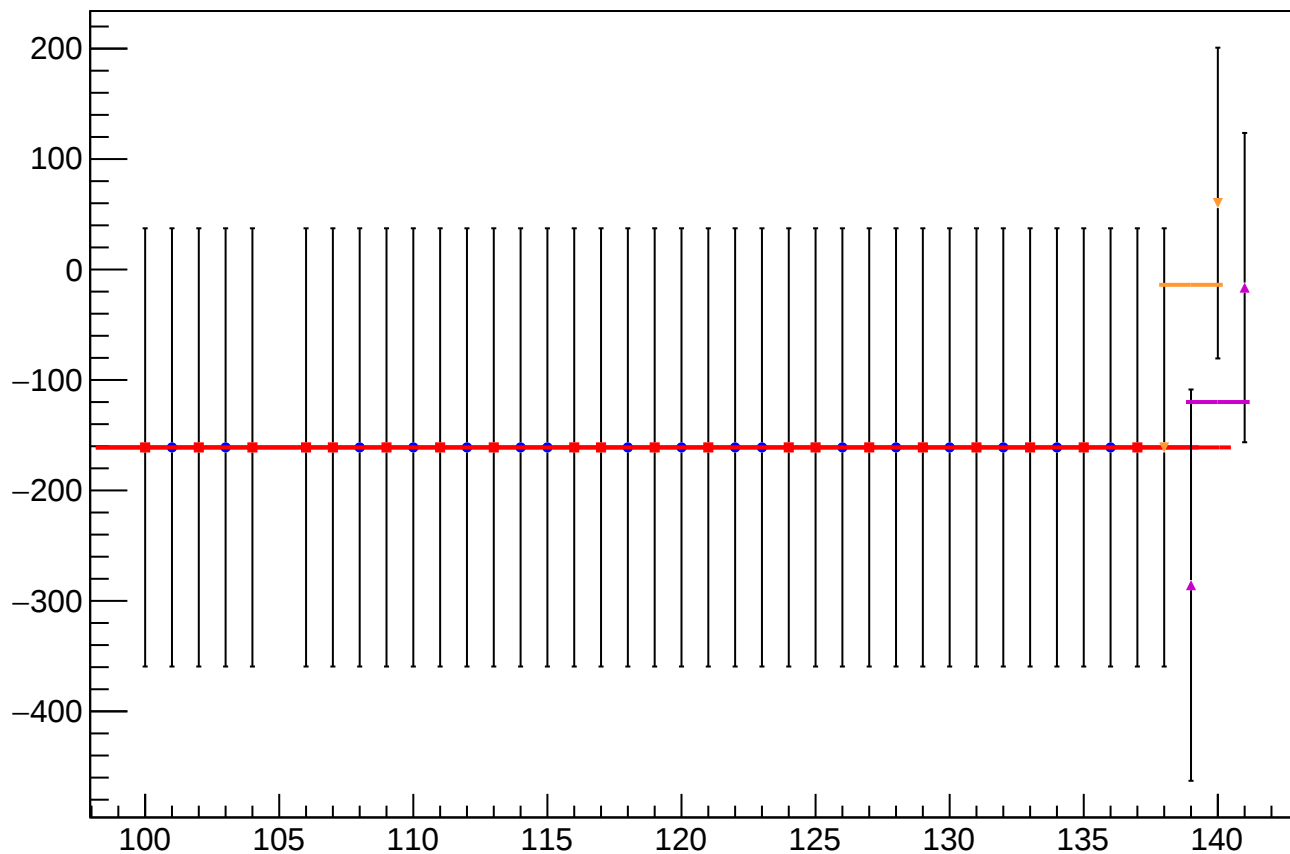
Right Out: 42.948 $\pm$ 0.008 χ^2 /NDF: 0.0/19

Left In: 42.637 $\pm$ 0.024 χ^2 /NDF: 1.5/1

43.011 $\pm$ 0.008 χ^2 /NDF: 1052.5/18

42.918 $\pm$ 0.008 χ^2 /NDF: 152.9/21

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -161.053 $\pm$ 48.113 χ^2/NDF : 0.0/16

Left Out: -13.851 $\pm$ 114.751 χ^2/NDF : 0.8/1

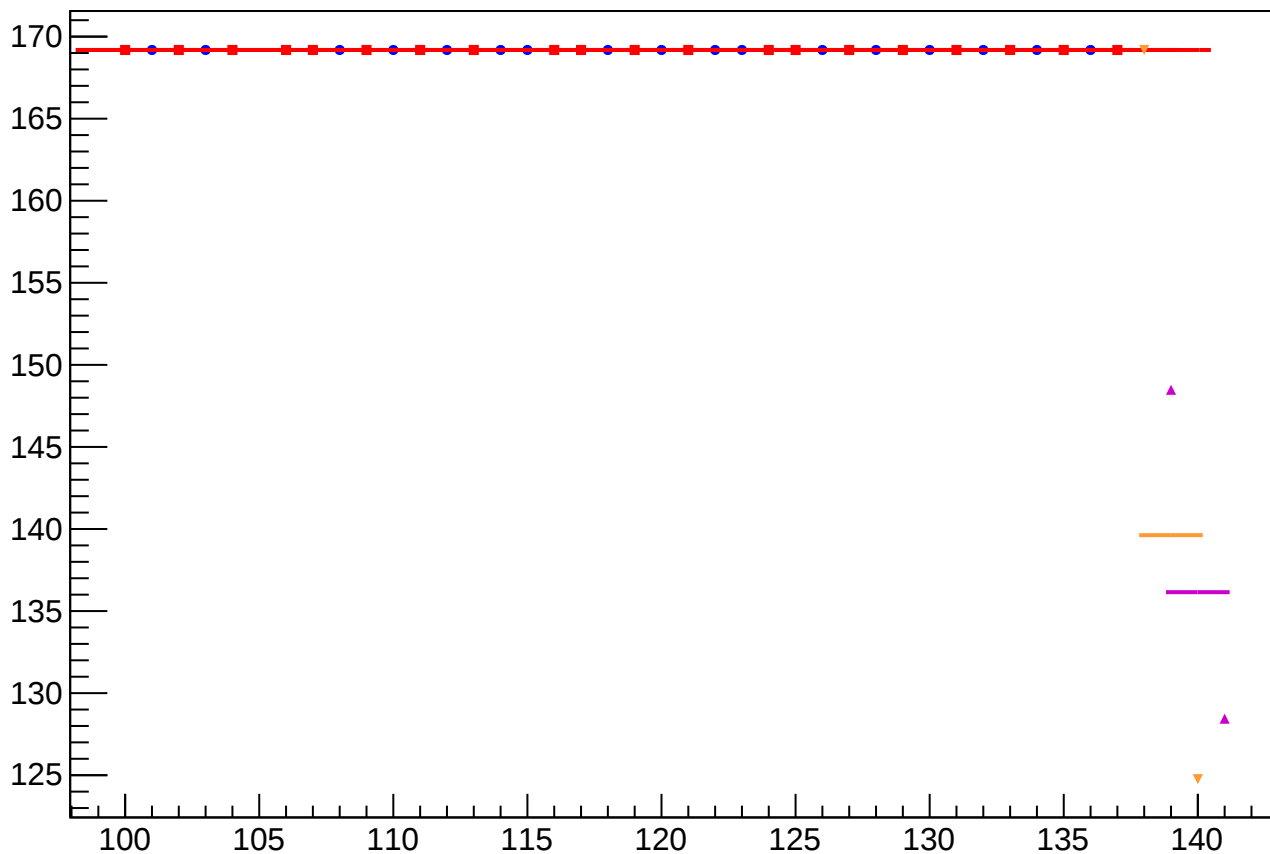
Right Out: -161.053 $\pm$ 44.358 χ^2/NDF : 0.0/19

Left In: -119.966 $\pm$ 109.843 χ^2/NDF : 1.4/1

-139.044 $\pm$ 44.371 χ^2/NDF : 2.2/18

-155.292 $\pm$ 41.131 χ^2/NDF : 1.5/21

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 169.186 $\pm$ 0.034 χ^2 /NDF: 0.0/16

Left Out: 139.624 $\pm$ 0.081 χ^2 /NDF:66746.6/1

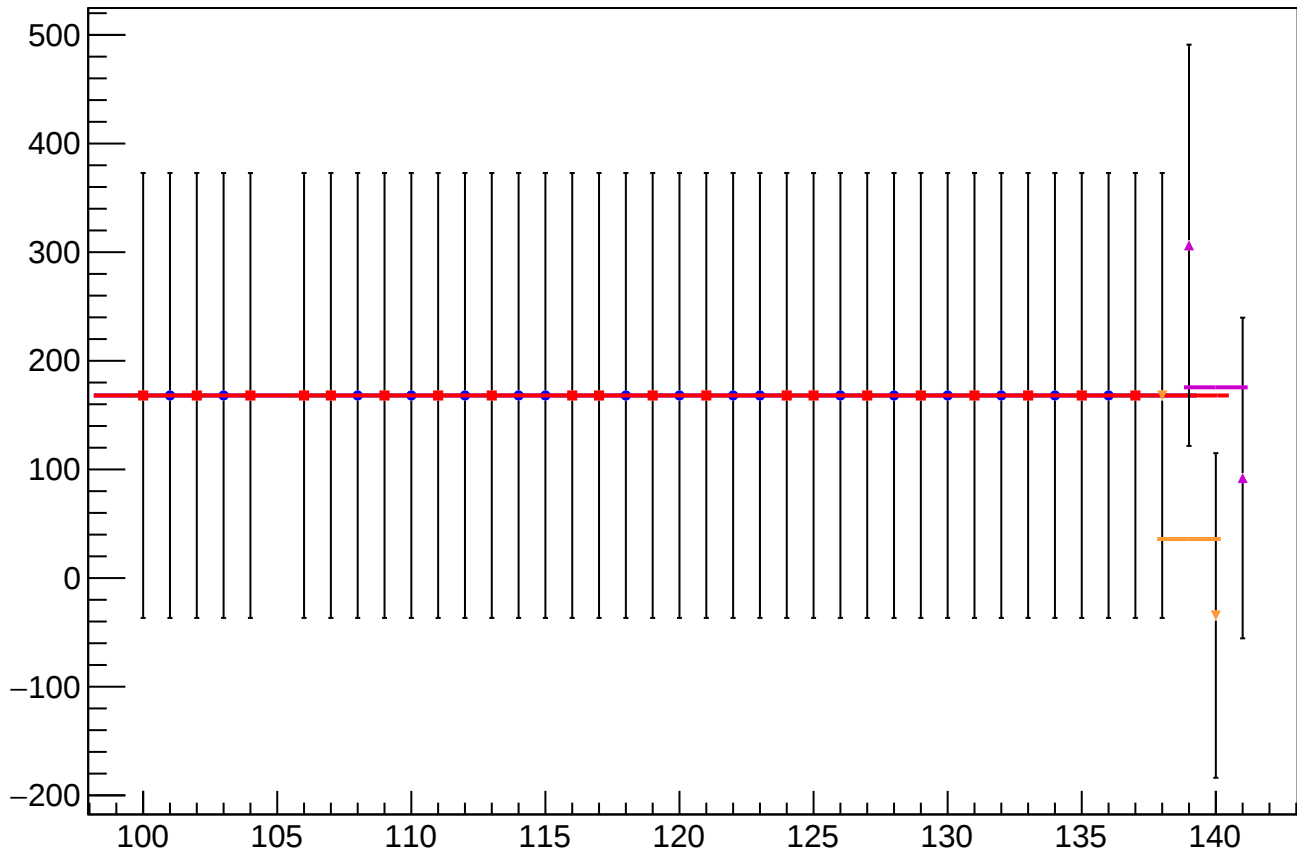
Right Out: 169.186 $\pm$ 0.031 χ^2 /NDF: 0.0/19

Left In: 136.151 $\pm$ 0.078 χ^2 /NDF:15754.7/1

164.766 $\pm$ 0.031 χ^2 /NDF: 179631.7/18

164.554 $\pm$ 0.029 χ^2 /NDF: 171289.5/21

asym_sam_37_26_dd_mean vs Slug



Right In: 168.090 $\pm$ 49.667 χ^2 /NDF: 0.0/16

Left Out: 35.934 $\pm$ 120.707 χ^2 /NDF: 0.6/1

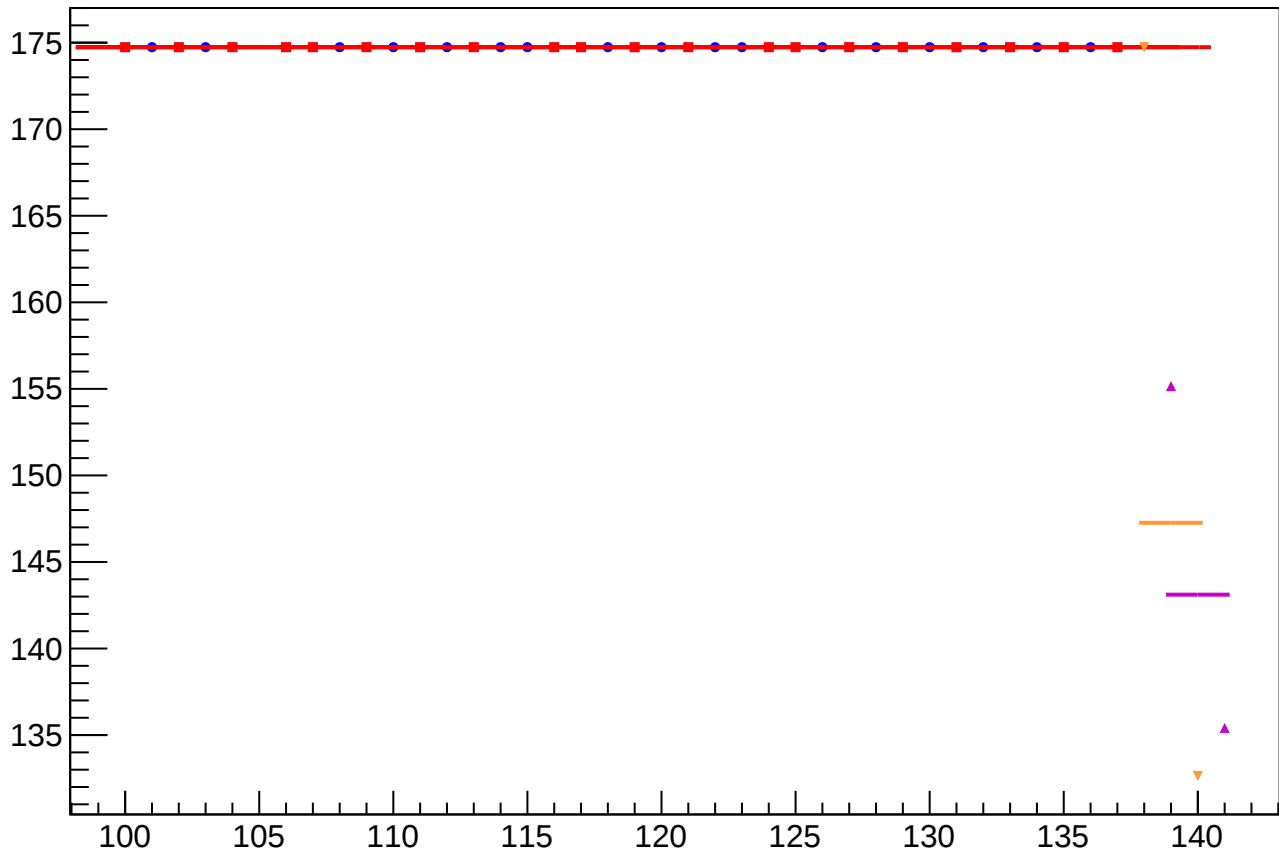
Right Out: 168.090 $\pm$ 45.791 χ^2 /NDF: 0.0/19

Left In: 175.601 $\pm$ 115.295 χ^2 /NDF: 0.8/1

148.955 $\pm$ 45.931 χ^2 /NDF: 1.7/18

169.113 $\pm$ 42.557 χ^2 /NDF: 0.8/21

asym_sam_37_26_dd_rms vs Slug



Right In: 174.739 $\pm$ 0.035 χ^2 /NDF: 0.0/16

Left Out: 147.265 $\pm$ 0.085 χ^2 /NDF:55164.3/1

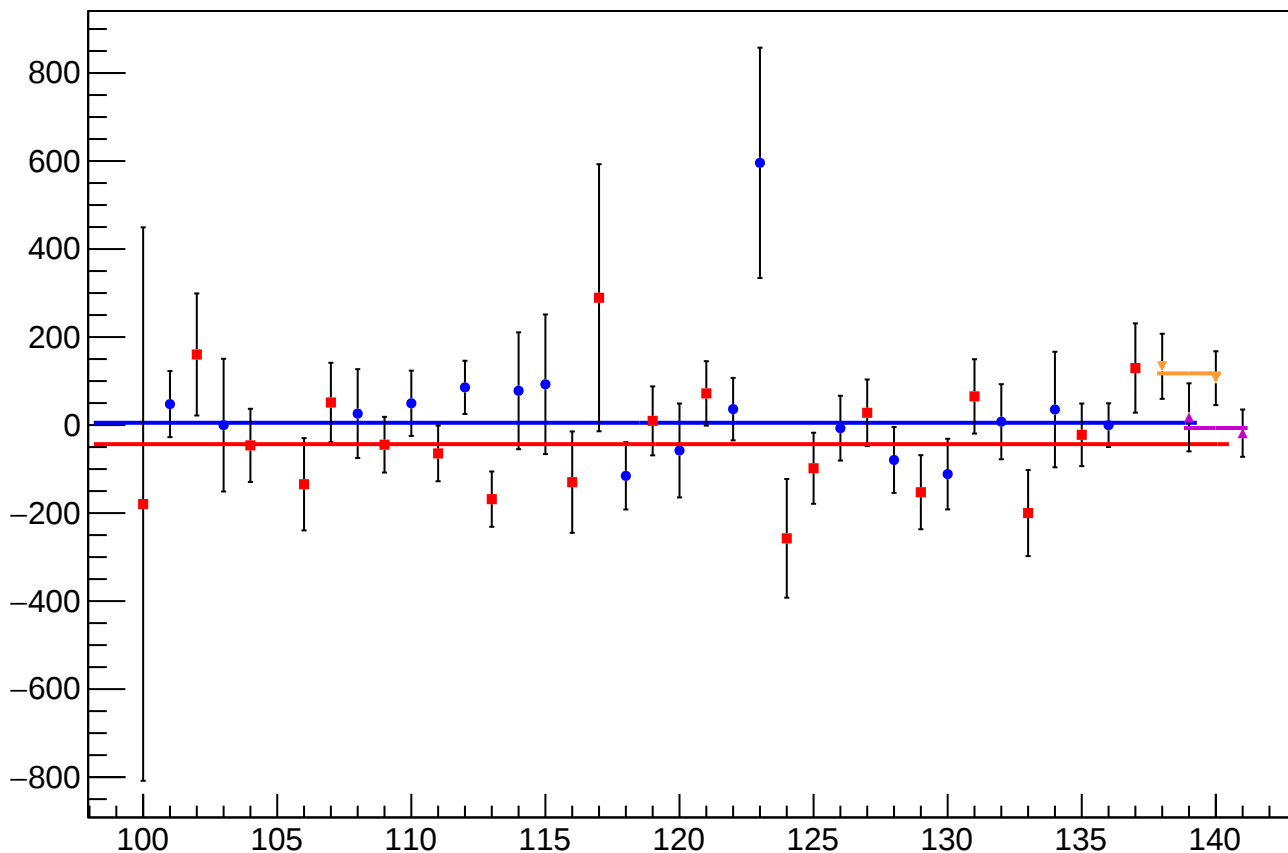
Right Out: 174.739 $\pm$ 0.032 χ^2 /NDF: 0.0/19

Left In: 143.111 $\pm$ 0.082 χ^2 /NDF:13958.9/1

170.761 $\pm$ 0.032 χ^2 /NDF: 143772.6/18

170.430 $\pm$ 0.030 χ^2 /NDF: 143959.5/21

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 $\chi^2/\text{NDF}: 14.7/16$

Left Out: 117.508 ± 47.135 $\chi^2/\text{NDF}: 0.1/1$

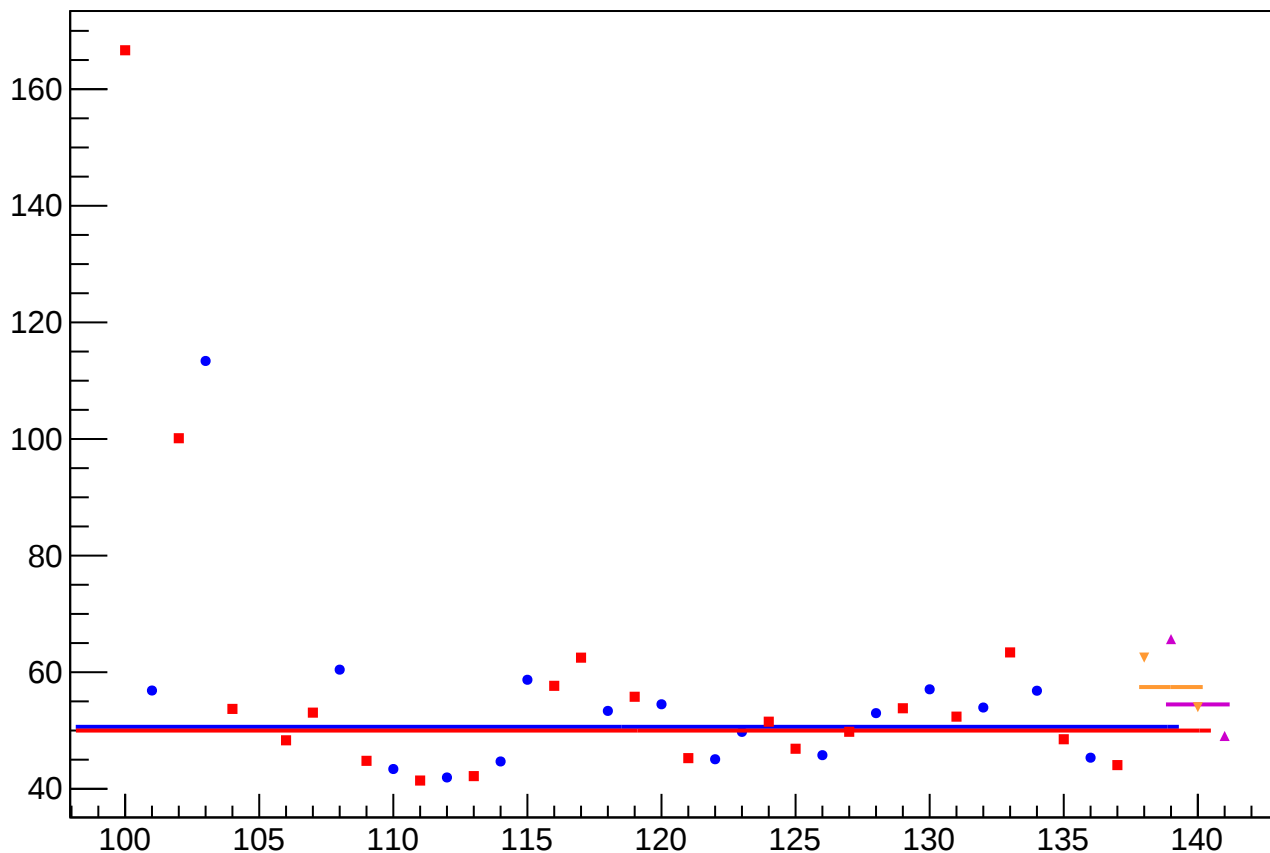
Right Out: -43.354 ± 19.371 $\chi^2/\text{NDF}: 25.6/19$

Left In: -6.676 ± 44.126 $\chi^2/\text{NDF}: 0.1/1$

22.570 ± 18.528 $\chi^2/\text{NDF}: 19.6/18$

-37.428 ± 17.737 $\chi^2/\text{NDF}: 26.3/21$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 57.457 $\pm$ 0.033 χ^2 /NDF:15707.5/1

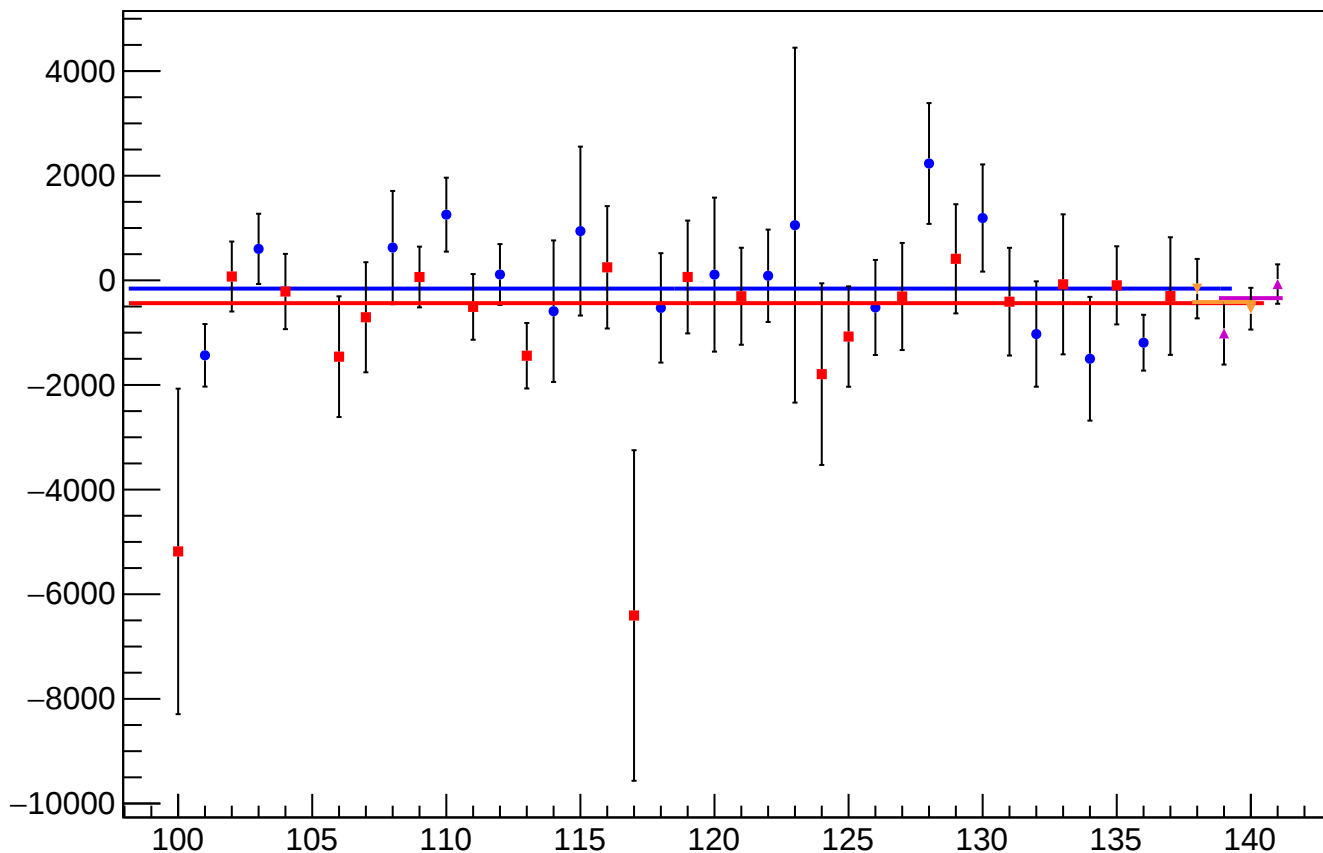
Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

Left In: 54.477 $\pm$ 0.031 χ^2 /NDF:62258.0/1

51.689 $\pm$ 0.013 χ^2 /NDF: 570812.9/18

50.718 $\pm$ 0.013 χ^2 /NDF: 583460.9/21

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -415.414+/-326.646 χ^2/NDF : 0.3/1

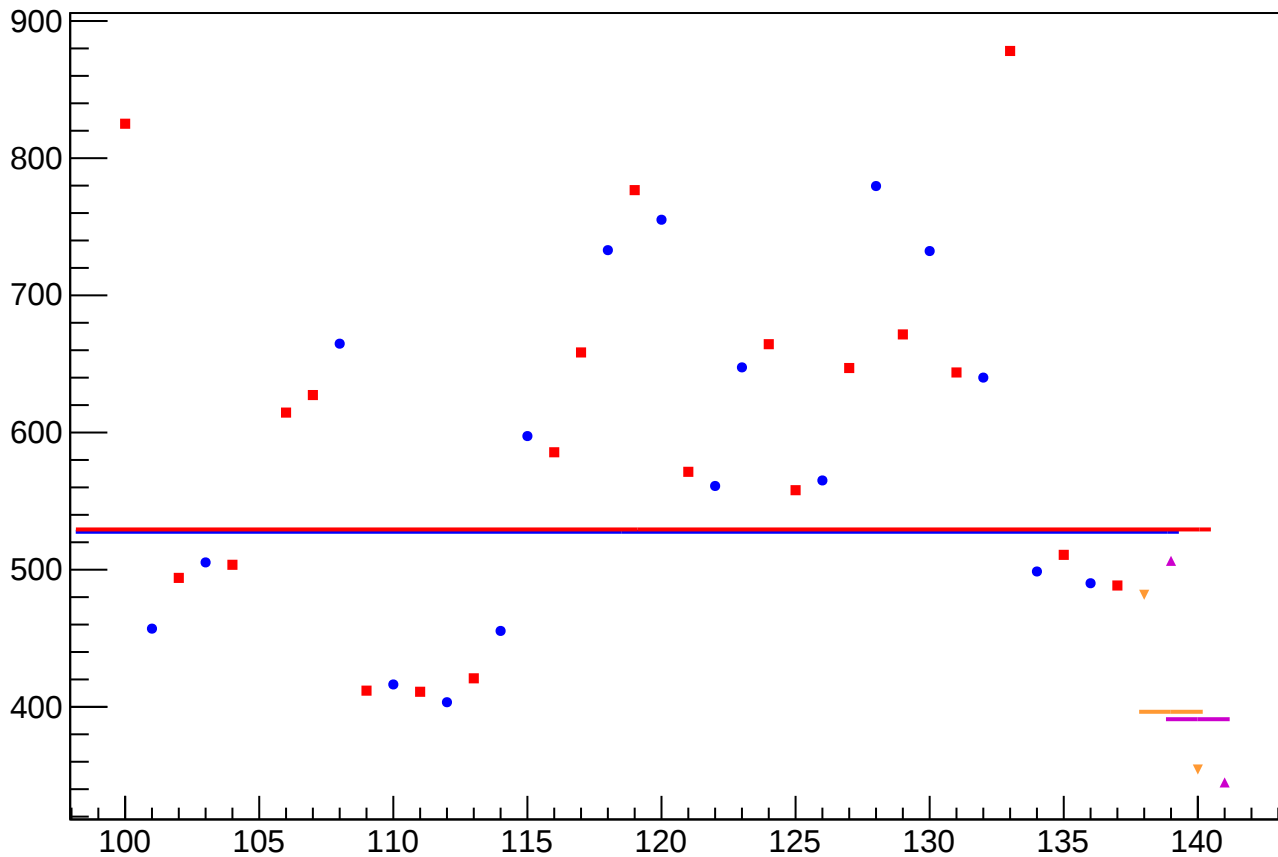
Right Out: -436.410+/-203.212 χ^2/NDF : 13.4/19

Left In: -340.318+/-318.593 χ^2/NDF : 1.8/1

-233.372+/-176.752 χ^2/NDF : 24.2/18

-408.621+/-171.327 χ^2/NDF : 15.2/21

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 396.428+/-0.231 χ^2/NDF : 67299.0/1

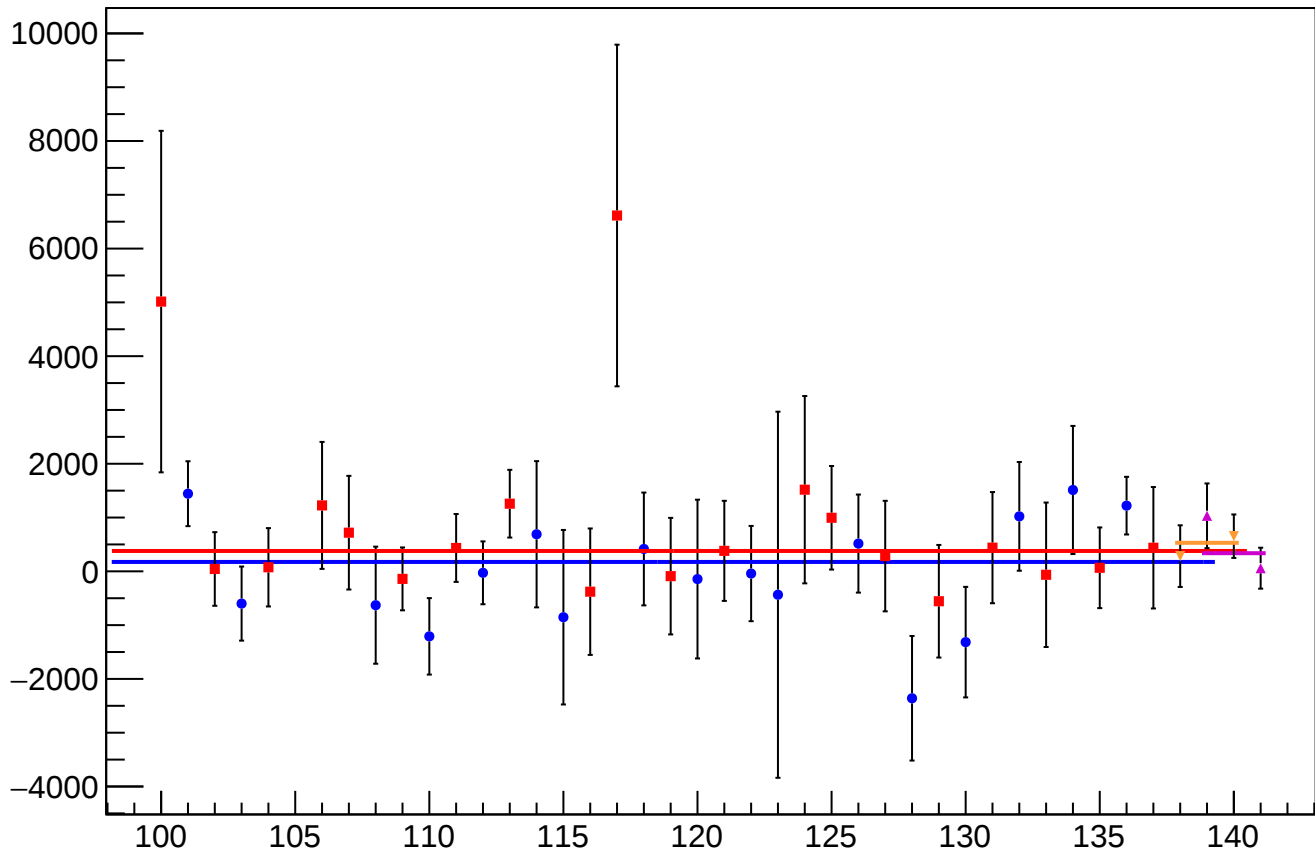
Right Out: 529.342+/-0.144 χ^2/NDF : 626714.3/19

Left In: 391.016+/-0.225 χ^2/NDF : 104852.8/1

489.237+/-0.125 χ^2/NDF : 853029.1/18

489.340+/-0.121 χ^2/NDF : 999559.1/21

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 530.177 $\pm$ 330.192 χ^2 /NDF: 0.3/1

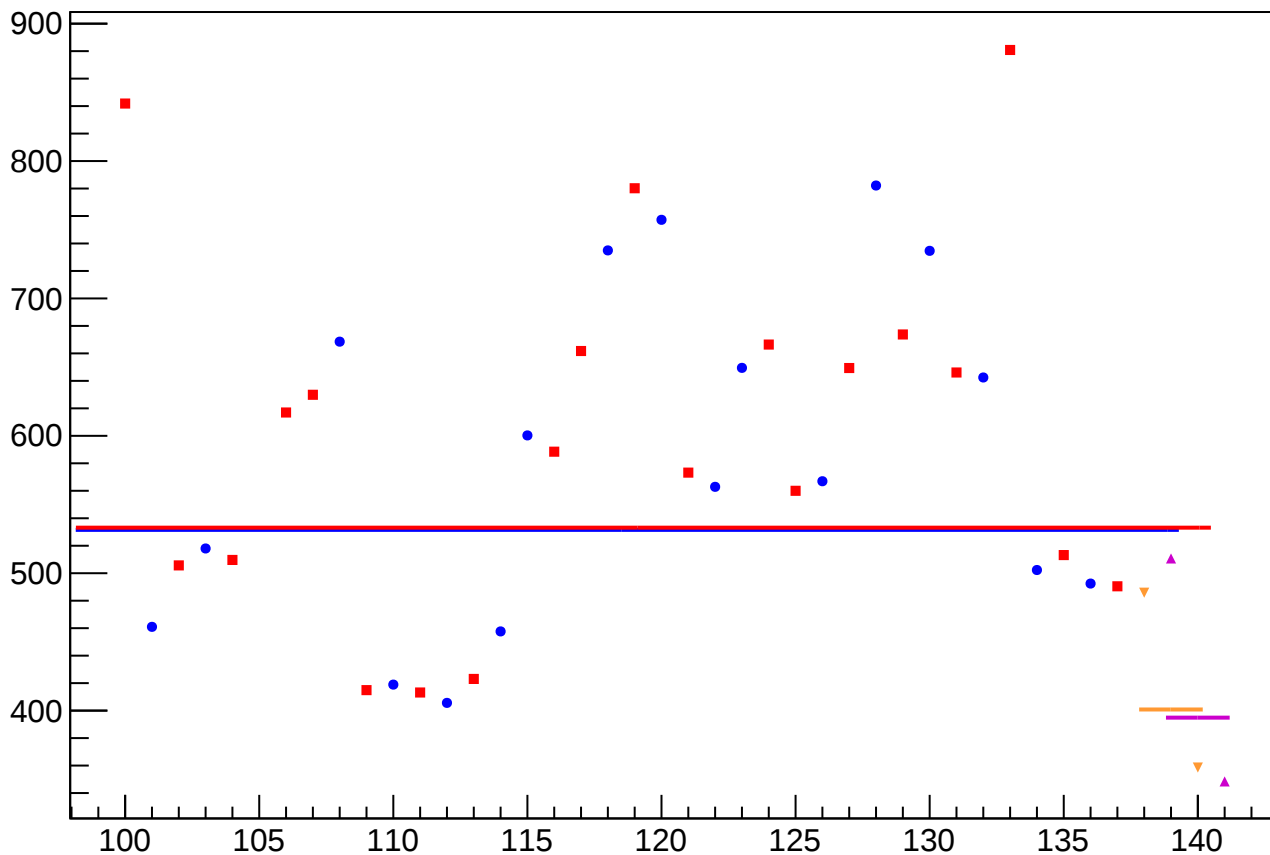
Right Out: 378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

Left In: 337.108 $\pm$ 321.693 χ^2 /NDF: 1.9/1

278.162 $\pm$ 178.194 χ^2 /NDF: 24.8/18

366.642 $\pm$ 172.747 χ^2 /NDF: 14.2/21

asym_sam_1357_avg_rms vs Slug



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 400.814+/-0.233 χ^2/NDF : 65874.9/1

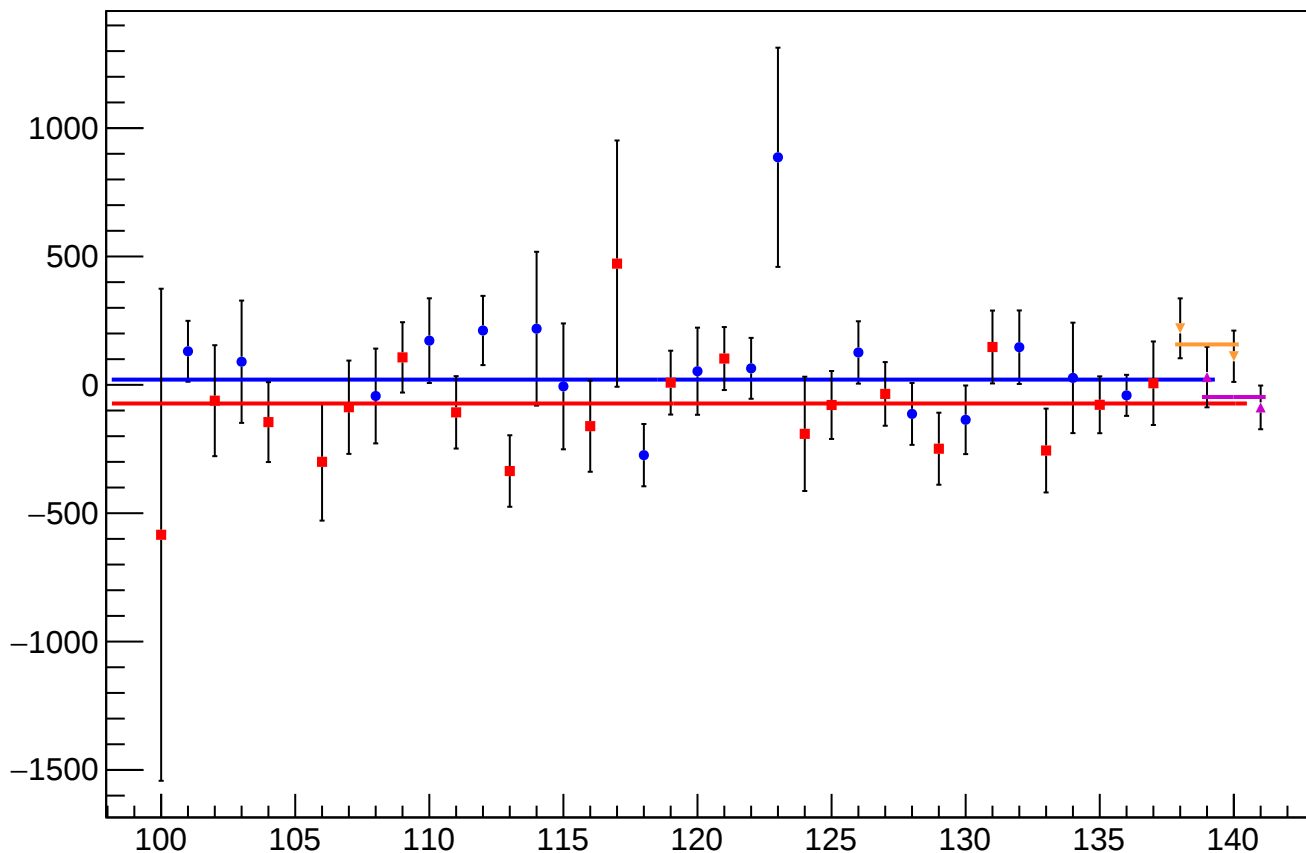
Right Out: 533.157+/-0.145 χ^2/NDF : 619038.4/19

Left In: 394.880+/-0.227 χ^2/NDF : 103959.2/1

493.477+/-0.126 χ^2/NDF : 838199.2/18

493.283+/-0.122 χ^2/NDF : 985970.4/21

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441+/-34.583 χ^2/NDF : 19.3/16

Left Out: 157.456+/-75.908 χ^2/NDF : 0.5/1

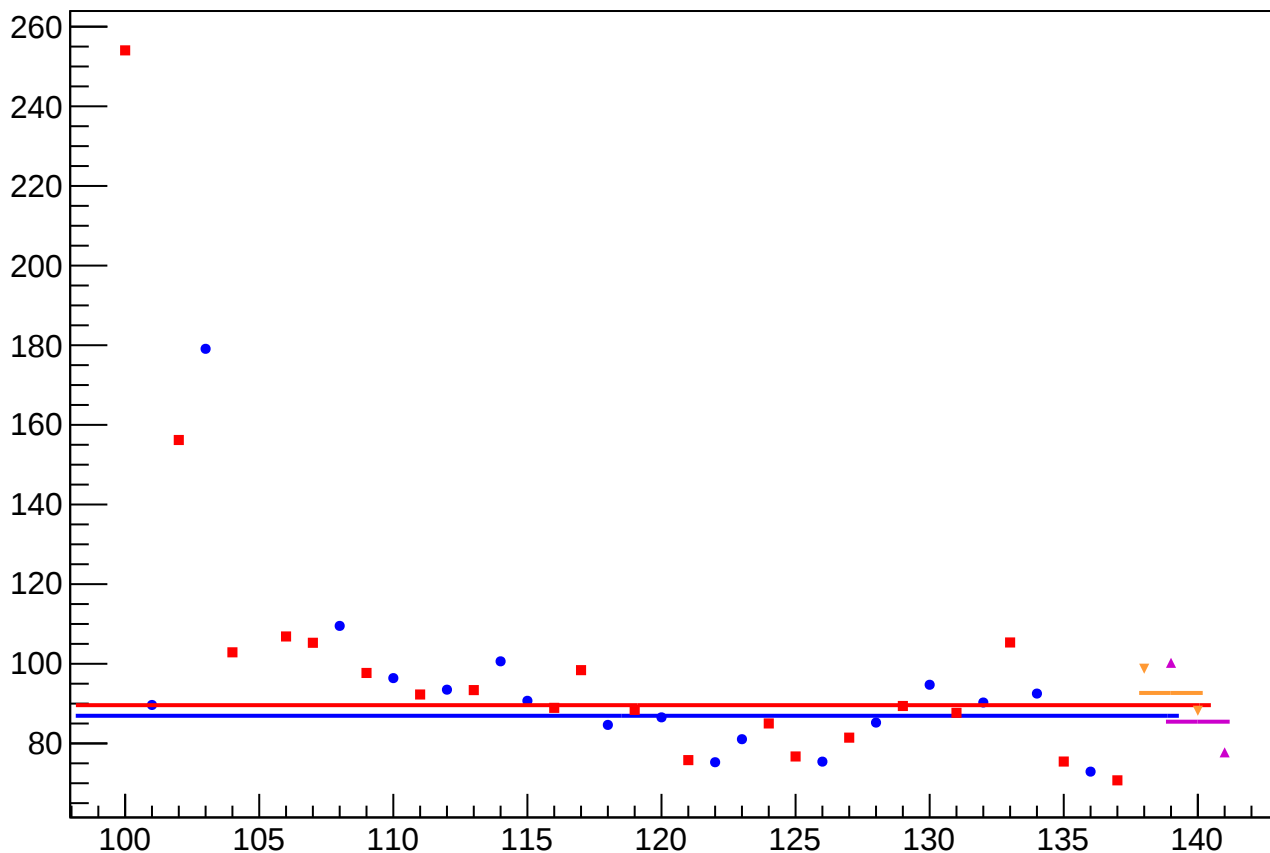
Right Out: -72.603+/-34.608 χ^2/NDF : 16.7/19

Left In: -47.367+/-69.023 χ^2/NDF : 0.7/1

43.992+/-31.471 χ^2/NDF : 22.5/18

-67.533+/-30.937 χ^2/NDF : 17.5/21

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 92.676+/-0.054 χ^2/NDF : 9438.8/1

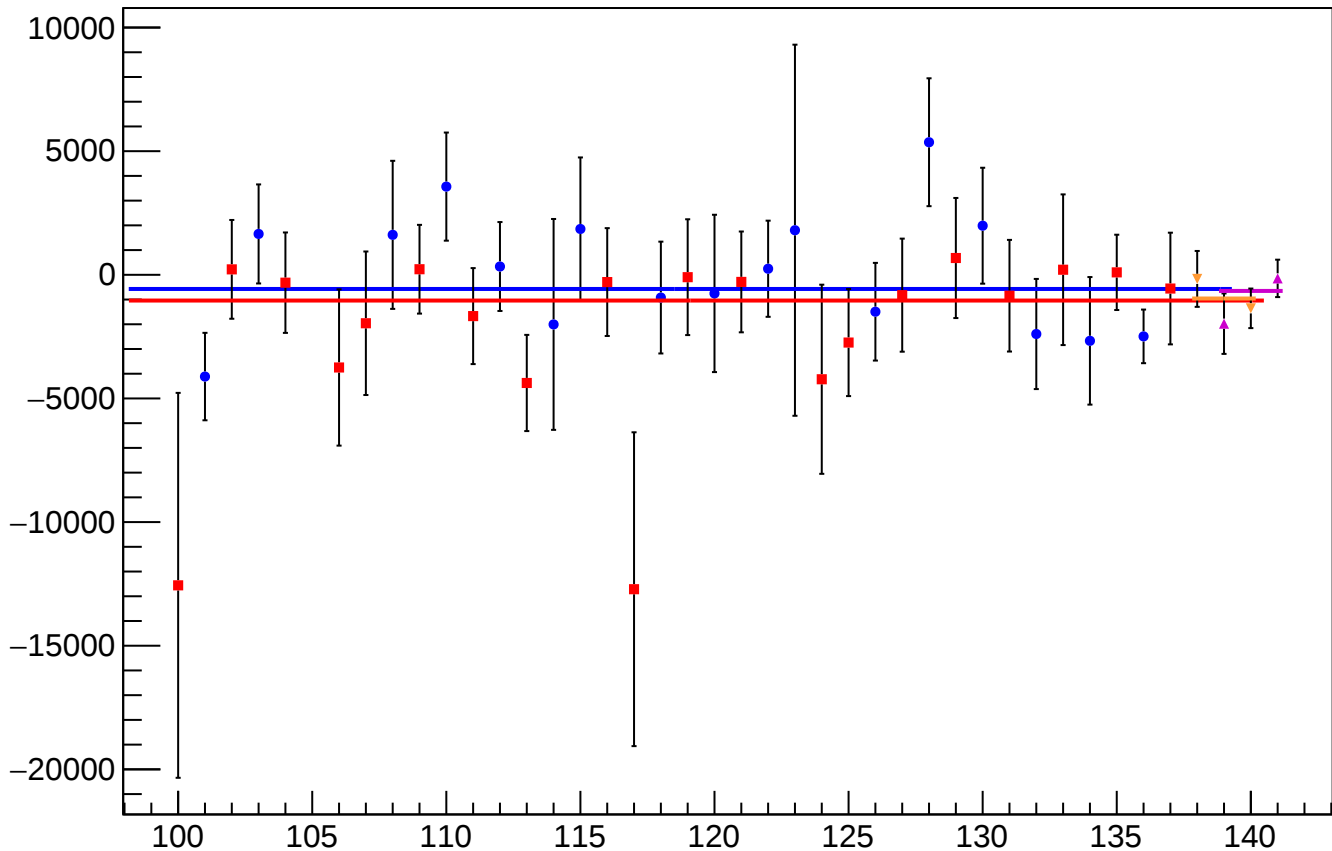
Right Out: 89.607+/-0.024 χ^2/NDF : 431905.8/19

Left In: 85.458+/-0.049 χ^2/NDF : 47797.5/1

87.928+/-0.022 χ^2/NDF : 474696.9/18

88.774+/-0.022 χ^2/NDF : 485476.9/21

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342+/-517.020 χ^2/NDF : 21.9/16

Left Out: -958.313+/-652.924 χ^2/NDF : 0.7/1

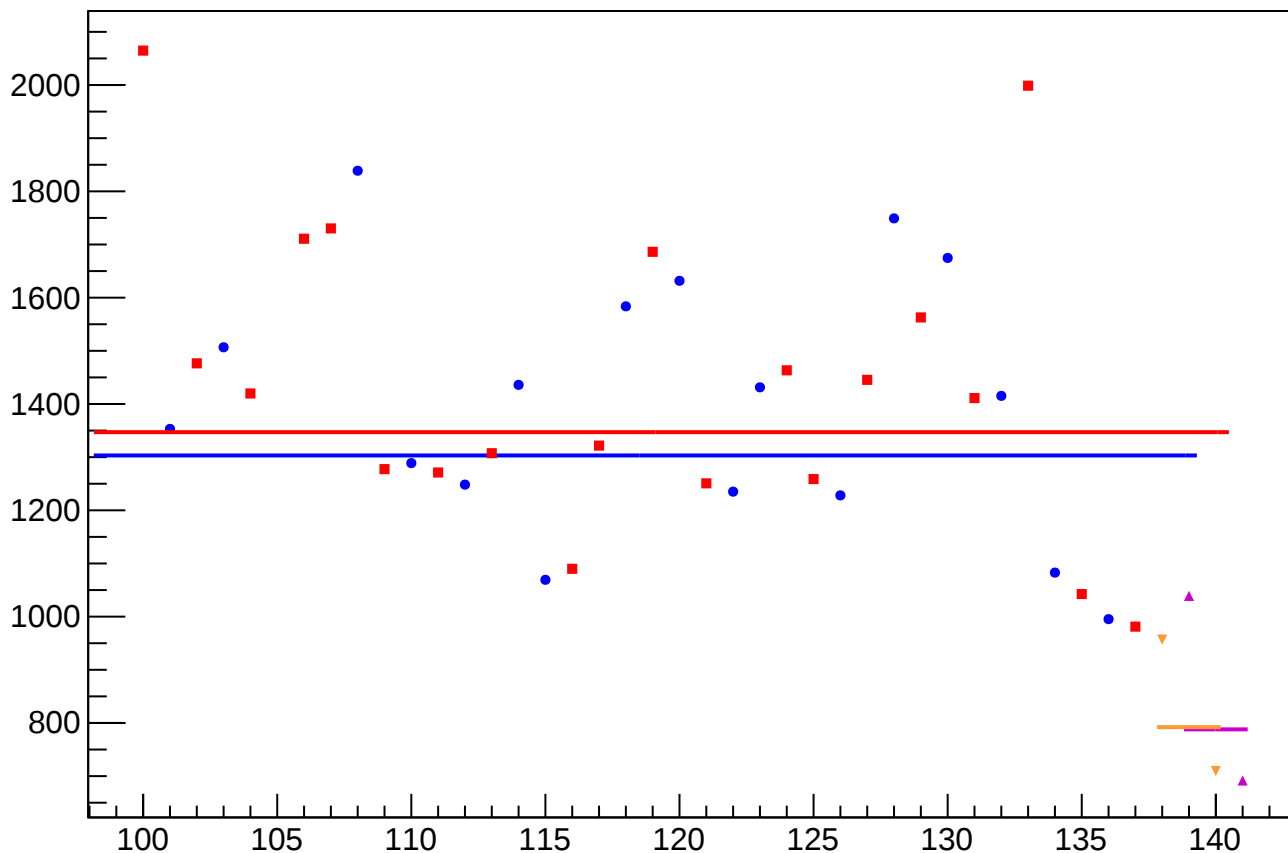
Right Out: -1040.618+/-512.937 χ^2/NDF : 13.5/19

Left In: -651.819+/-643.234 χ^2/NDF : 1.6/1

-721.089+/-405.331 χ^2/NDF : 22.8/18

-889.485+/-401.038 χ^2/NDF : 15.3/21

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 792.126+/-0.462 χ^2/NDF : 63703.7/1

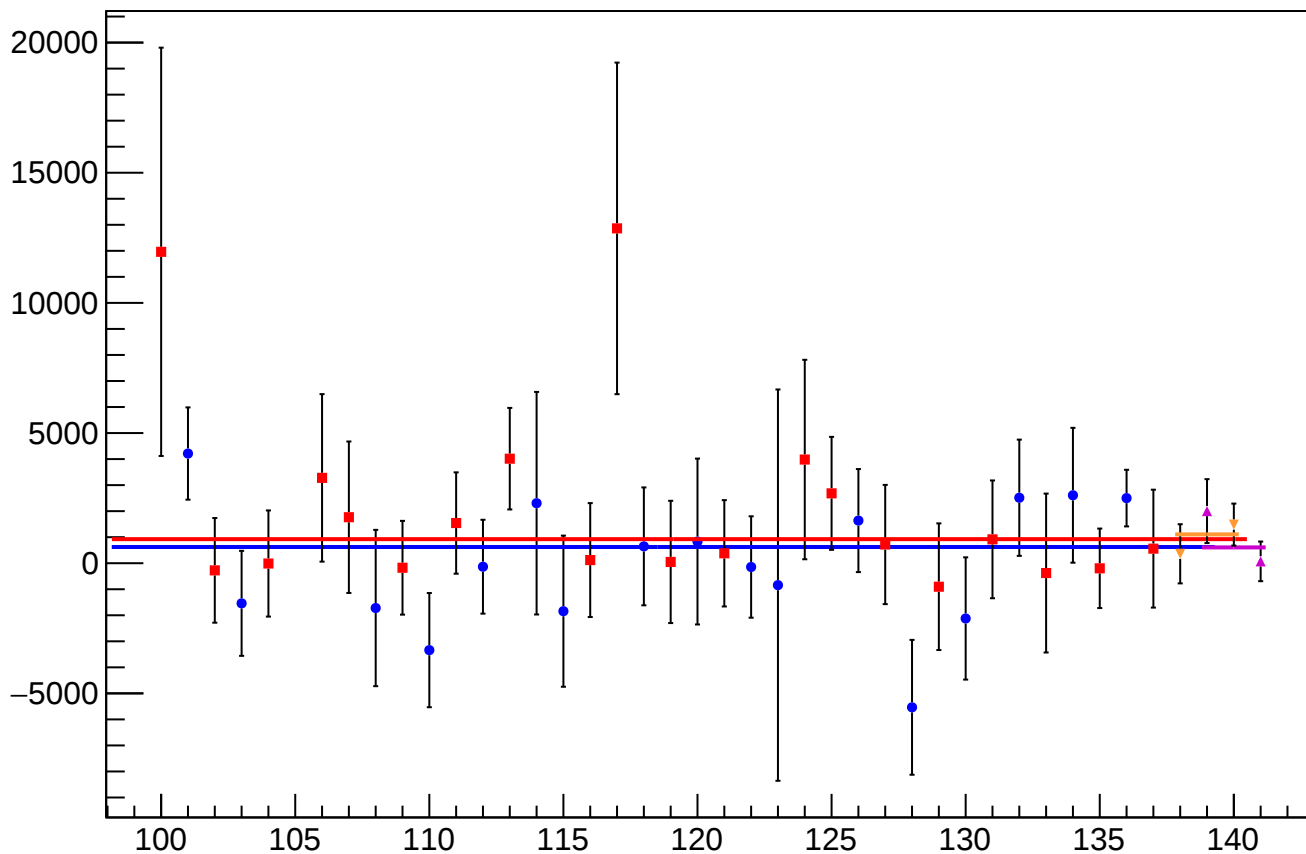
Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

Left In: 787.941+/-0.455 χ^2/NDF : 116744.1/1

1106.241+/-0.287 χ^2/NDF : 1268808.9/18

1129.691+/-0.284 χ^2/NDF : 1461115.4/21

asym_sam_2468_avg_mean vs Slug



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 1107.732+/-657.632 χ^2/NDF : 0.6/1

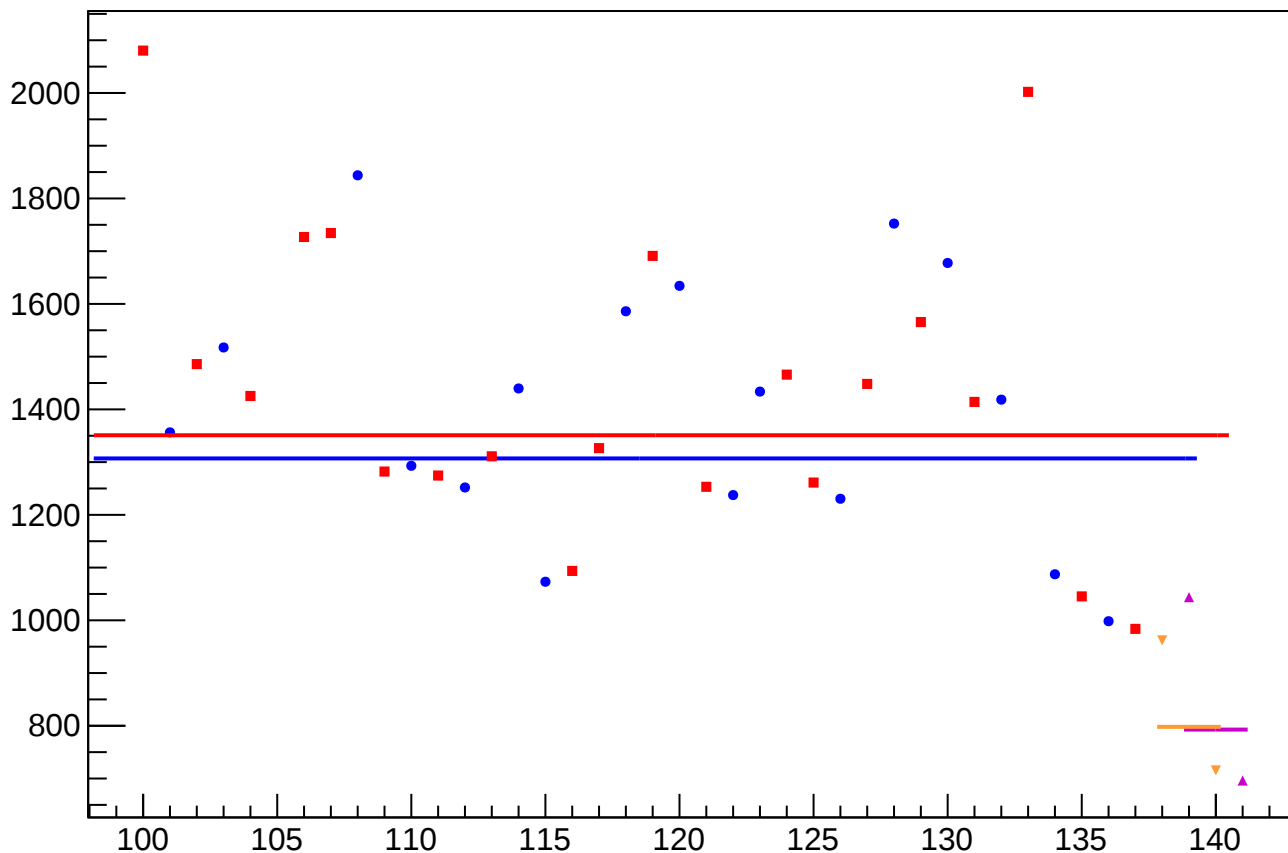
Right Out: 924.488+/-514.636 χ^2/NDF : 12.6/19

Left In: 607.163+/-647.070 χ^2/NDF : 1.8/1

808.450+/-407.165 χ^2/NDF : 22.9/18

801.537+/-402.779 χ^2/NDF : 14.6/21

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 797.993+/-0.465 χ^2/NDF : 62639.2/1

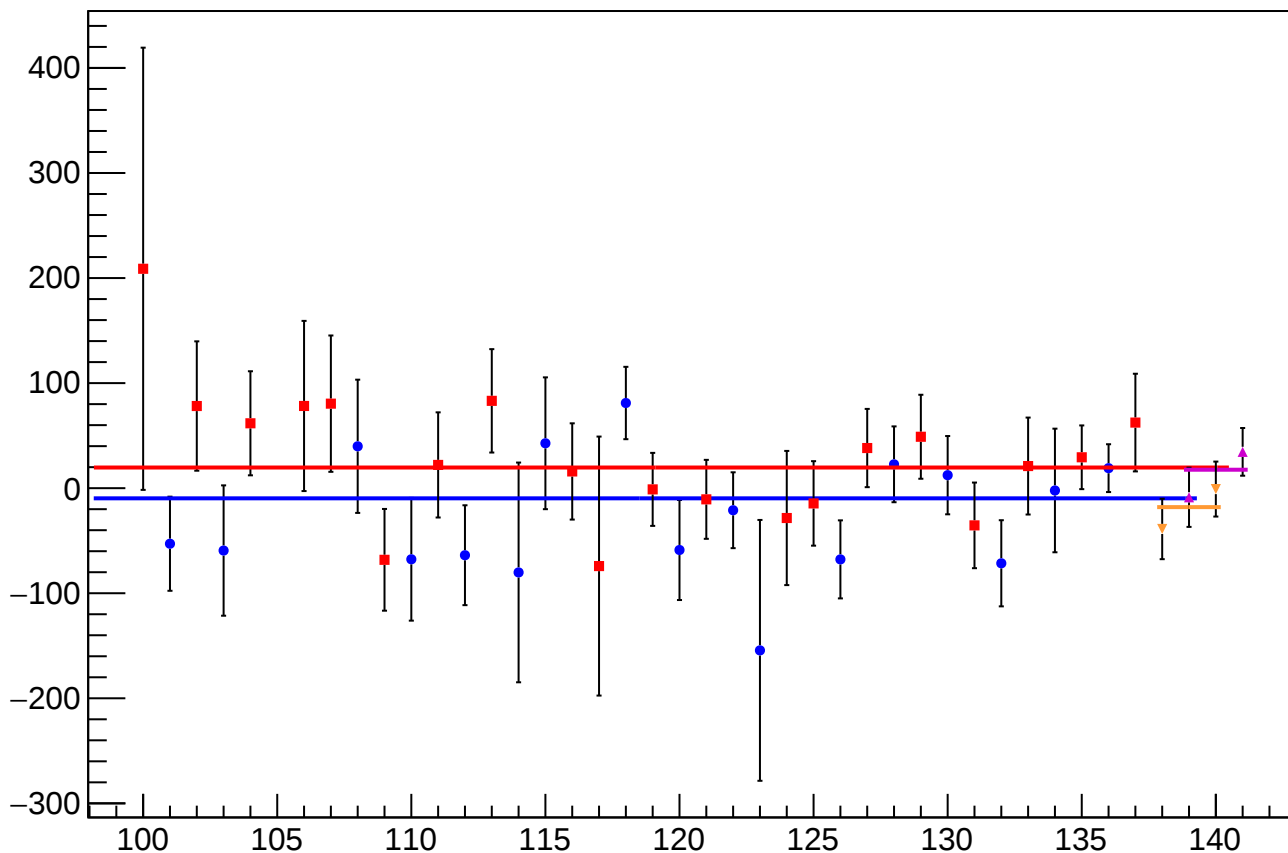
Right Out: 1350.936+/-0.364 χ^2/NDF : 421834.2/19

Left In: 792.772+/-0.458 χ^2/NDF : 115851.9/1

1111.869+/-0.288 χ^2/NDF : 1252634.7/18

1134.668+/-0.285 χ^2/NDF : 1449243.2/21

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: -18.033 ± 19.355 χ^2/NDF : 1.0/1

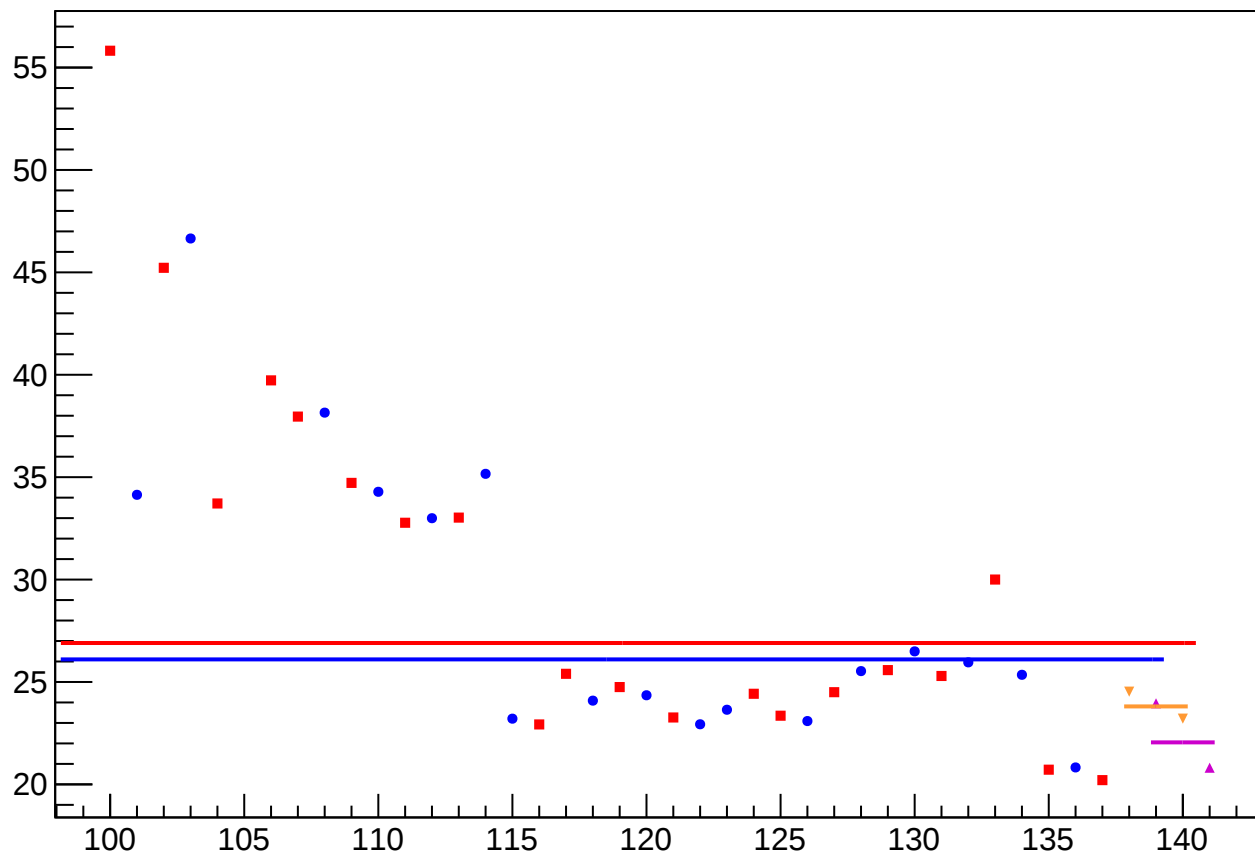
Right Out: 19.662 ± 10.406 χ^2/NDF : 15.2/19

Left In: 17.558 ± 17.679 χ^2/NDF : 1.4/1

-11.545 ± 9.167 χ^2/NDF : 23.7/18

19.120 ± 8.968 χ^2/NDF : 16.7/21

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 23.807+/-0.014 χ^2/NDF : 2295.2/1

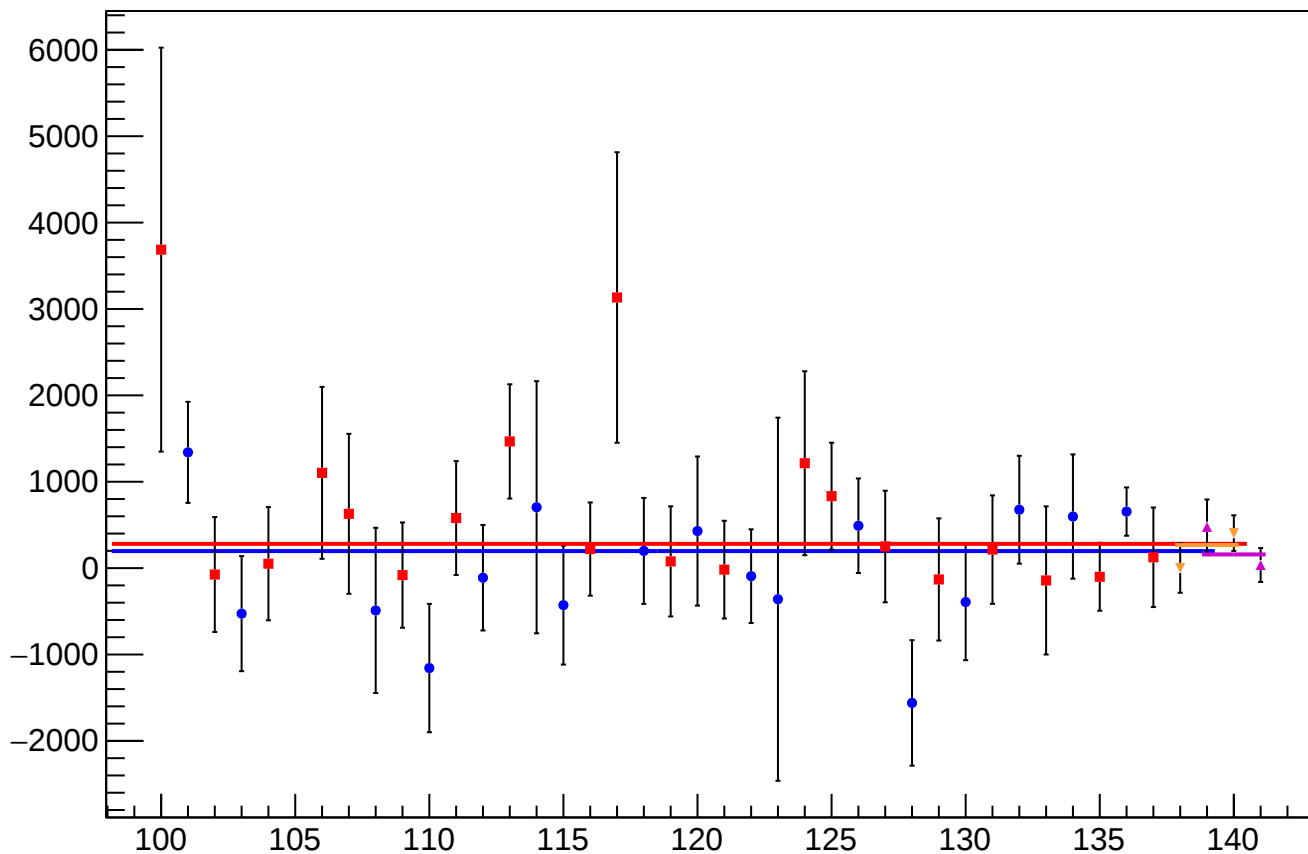
Right Out: 26.903+/-0.007 χ^2/NDF : 679269.9/19

Left In: 22.051+/-0.013 χ^2/NDF : 15095.1/1

25.588+/-0.006 χ^2/NDF : 628164.5/18

25.654+/-0.006 χ^2/NDF : 806241.8/21

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327+/-147.883 χ^2/NDF : 21.0/16

Left Out: 267.171+/-167.706 χ^2/NDF : 1.3/1

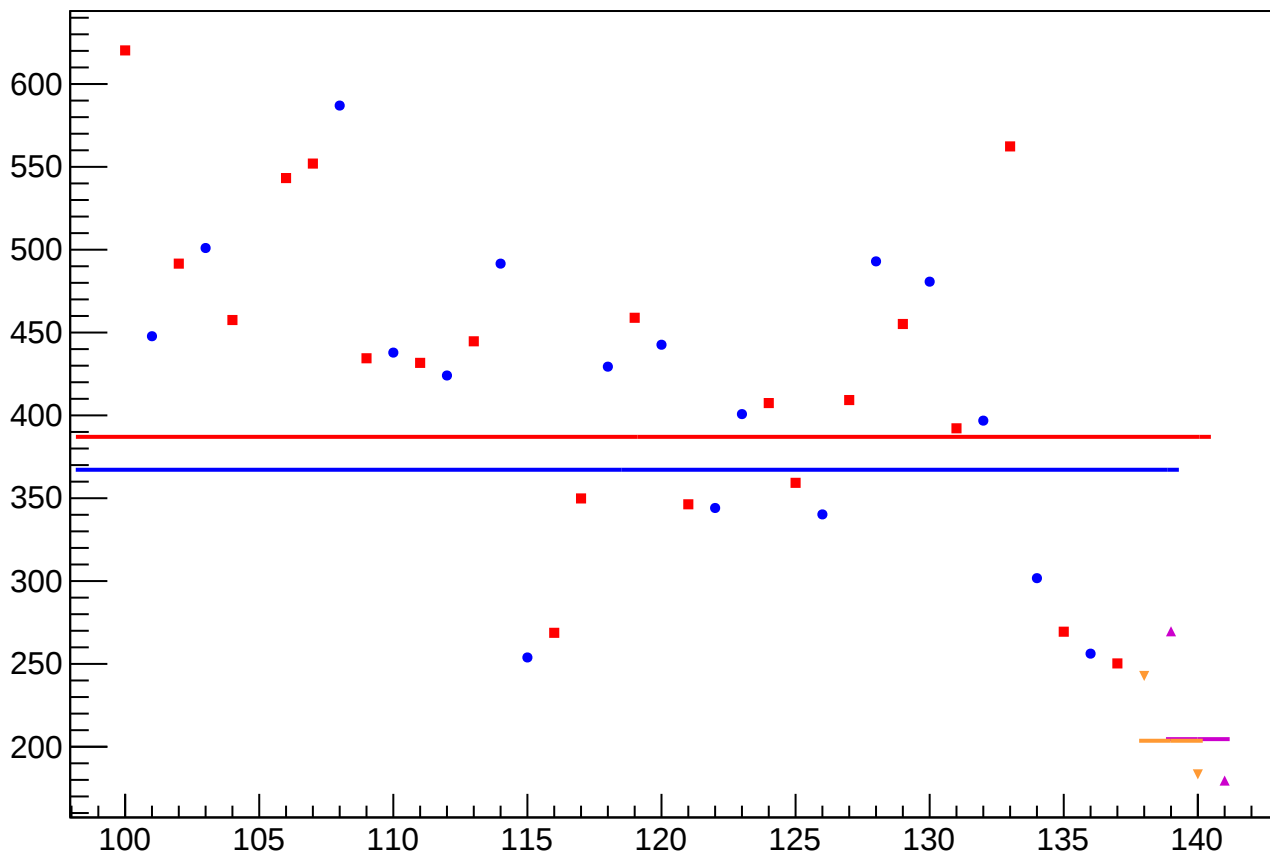
Right Out: 281.185+/-149.275 χ^2/NDF : 13.6/19

Left In: 158.630+/-167.002 χ^2/NDF : 1.4/1

227.879+/-110.919 χ^2/NDF : 22.4/18

226.755+/-111.295 χ^2/NDF : 15.3/21

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 203.623 $\pm$ 0.119 χ^2 /NDF: 56429.5/1

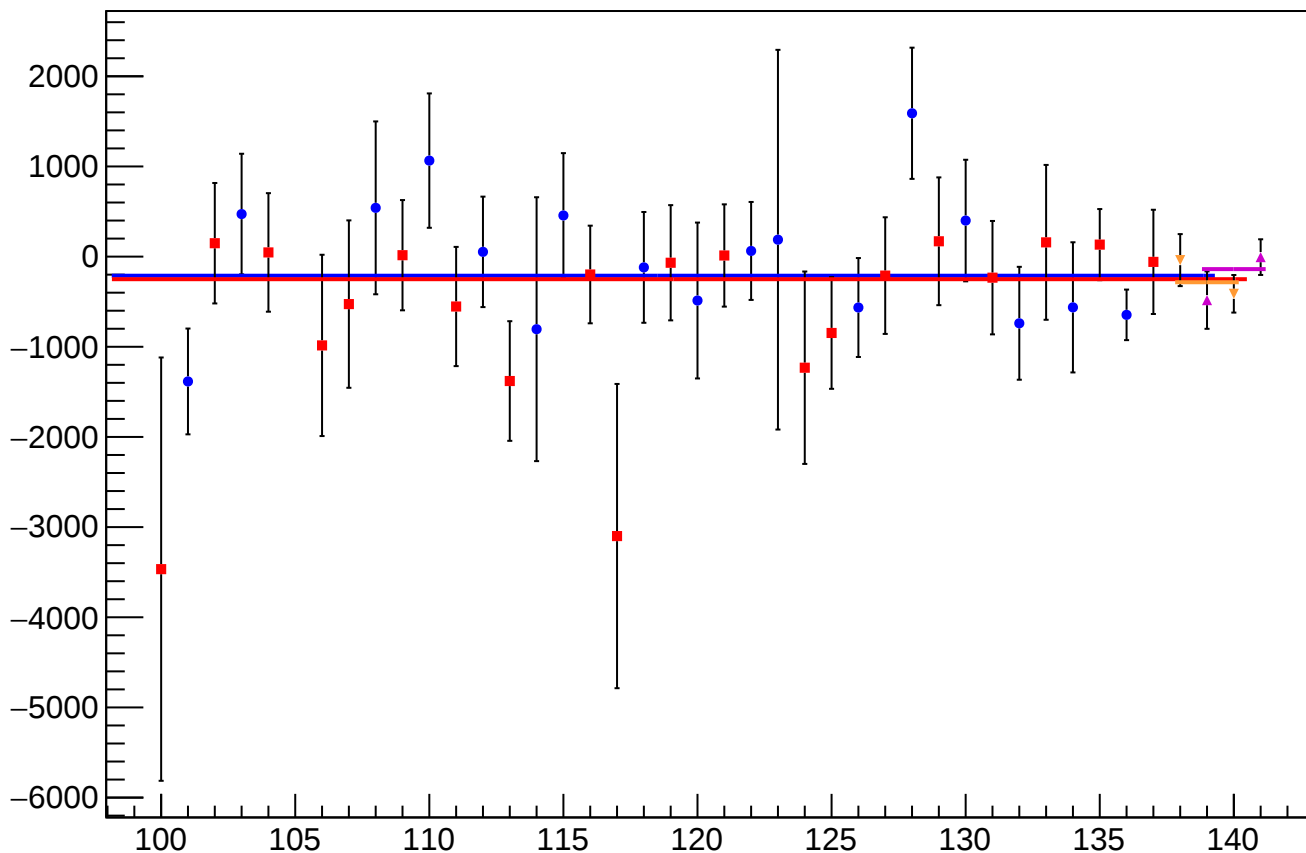
Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

Left In: 204.600 $\pm$ 0.118 χ^2 /NDF: 116738.8/1

295.635 $\pm$ 0.078 χ^2 /NDF: 1953727.1/18

306.018 $\pm$ 0.079 χ^2 /NDF: 2219204.5/21

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -284.185+/-168.916 χ^2/NDF : 1.1/1

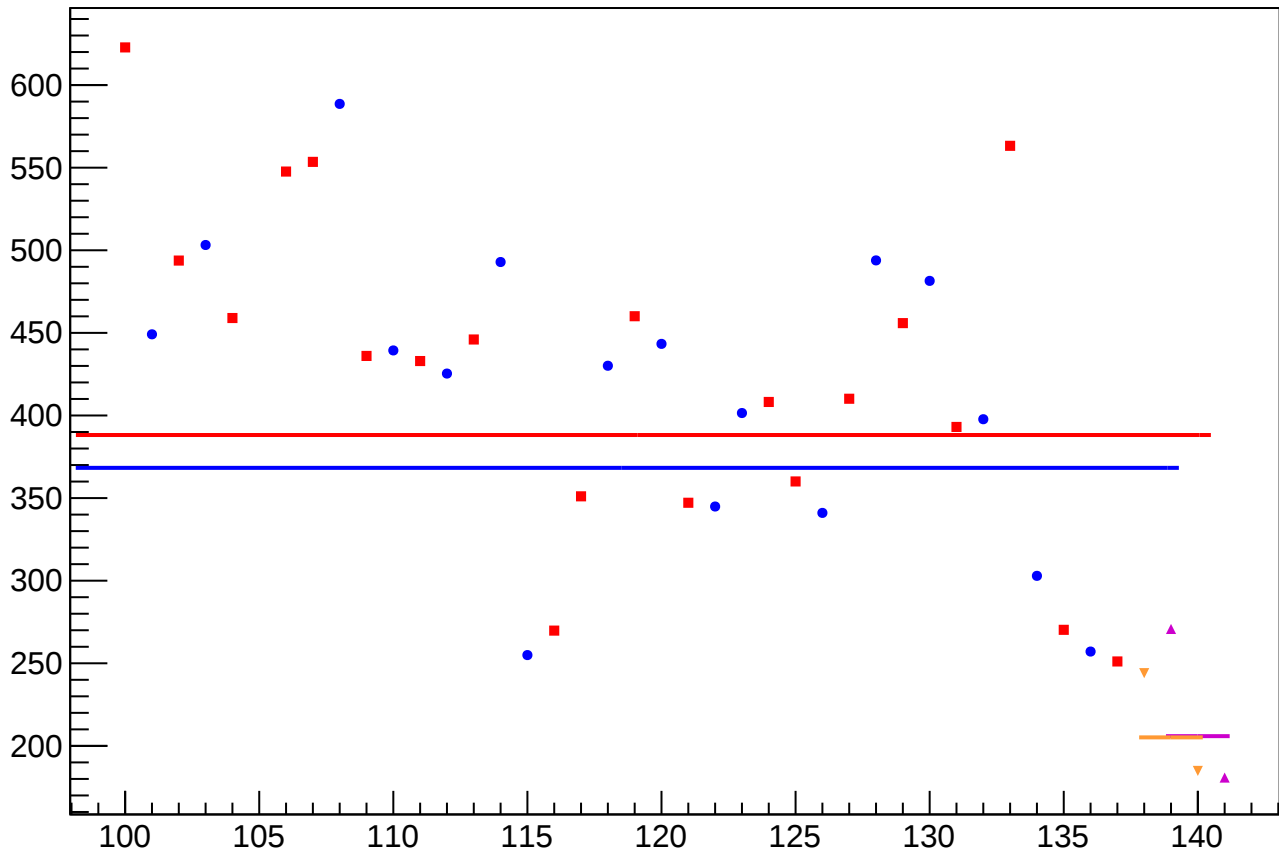
Right Out: -250.443+/-149.724 χ^2/NDF : 12.9/19

Left In: -138.519+/-168.012 χ^2/NDF : 1.6/1

-243.345+/-111.451 χ^2/NDF : 22.2/18

-200.902+/-111.779 χ^2/NDF : 14.8/21

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 205.152 $\pm$ 0.119 χ^2 /NDF: 55312.4/1

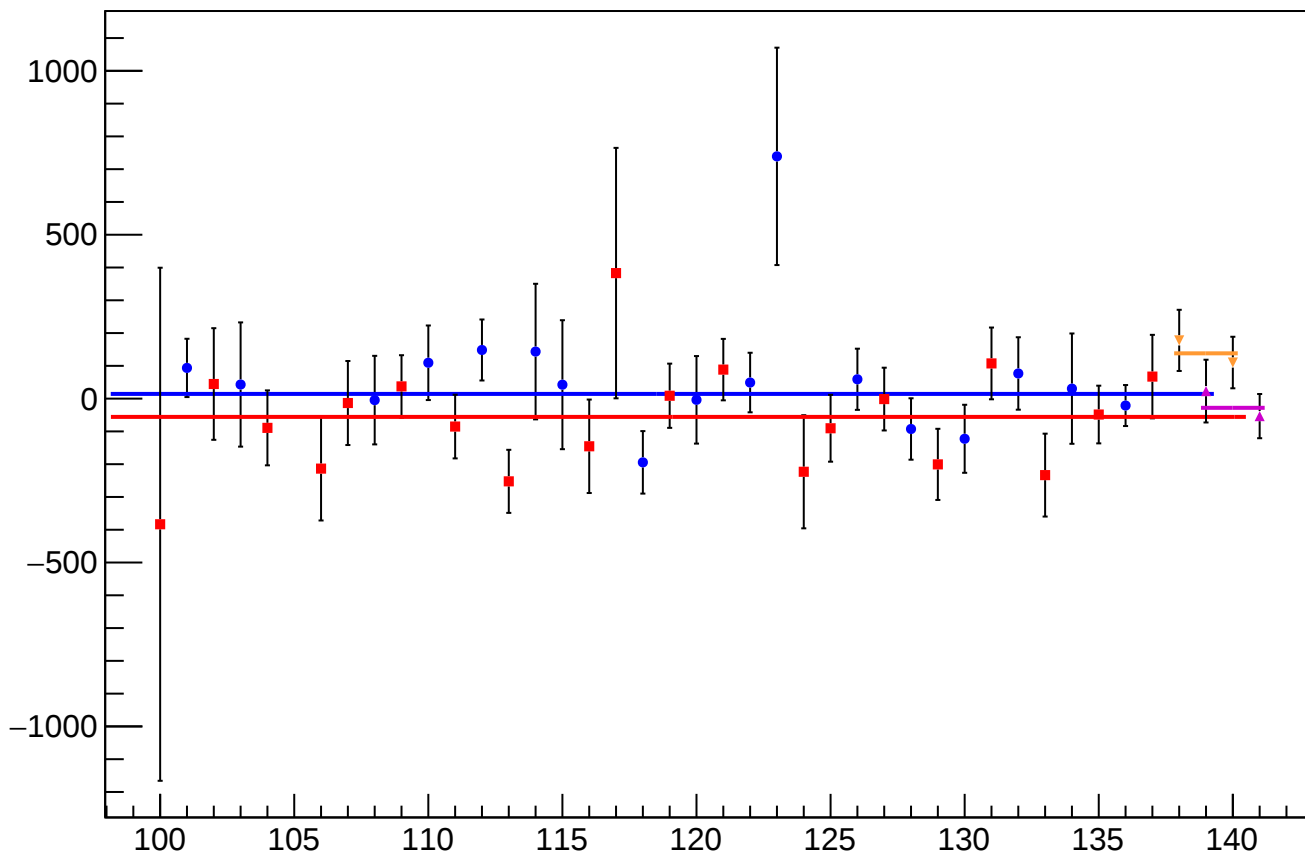
Right Out: 388.178 $\pm$ 0.106 χ^2 /NDF: 775692.7/19

Left In: 205.899 $\pm$ 0.119 χ^2 /NDF: 115269.7/1

297.276 $\pm$ 0.079 χ^2 /NDF: 1933477.6/18

307.496 $\pm$ 0.079 χ^2 /NDF: 2203053.0/21

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 138.182 $\pm$ 60.116 χ^2 /NDF: 0.3/1

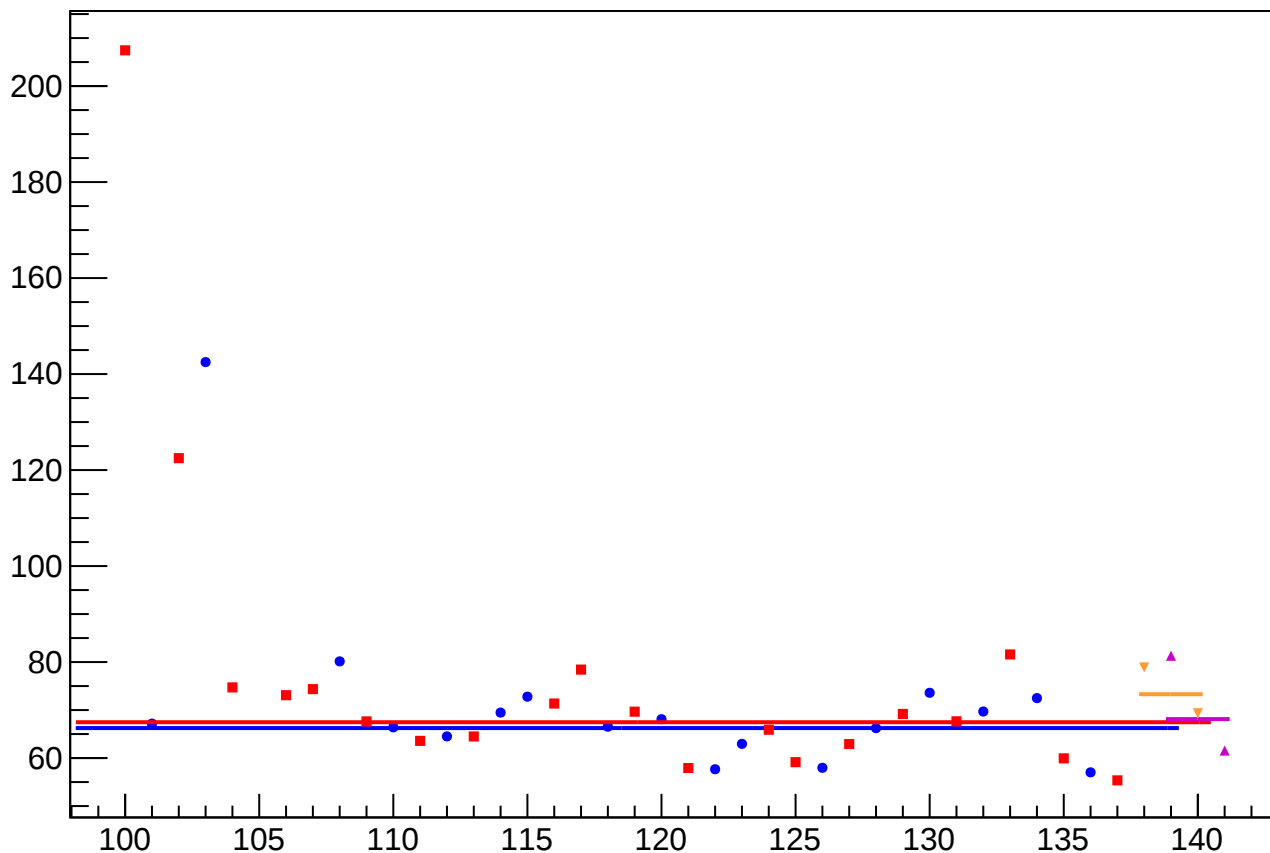
Right Out: -55.744 $\pm$ 26.060 χ^2 /NDF: 19.7/19

Left In: -28.048 $\pm$ 55.122 χ^2 /NDF: 0.4/1

34.315 $\pm$ 24.121 χ^2 /NDF: 21.5/18

-50.684 $\pm$ 23.560 χ^2 /NDF: 20.4/21

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247 $\pm$ 0.019 χ^2 /NDF: 440944.2/16

Left Out: 73.295 $\pm$ 0.043 χ^2 /NDF:12225.4/1

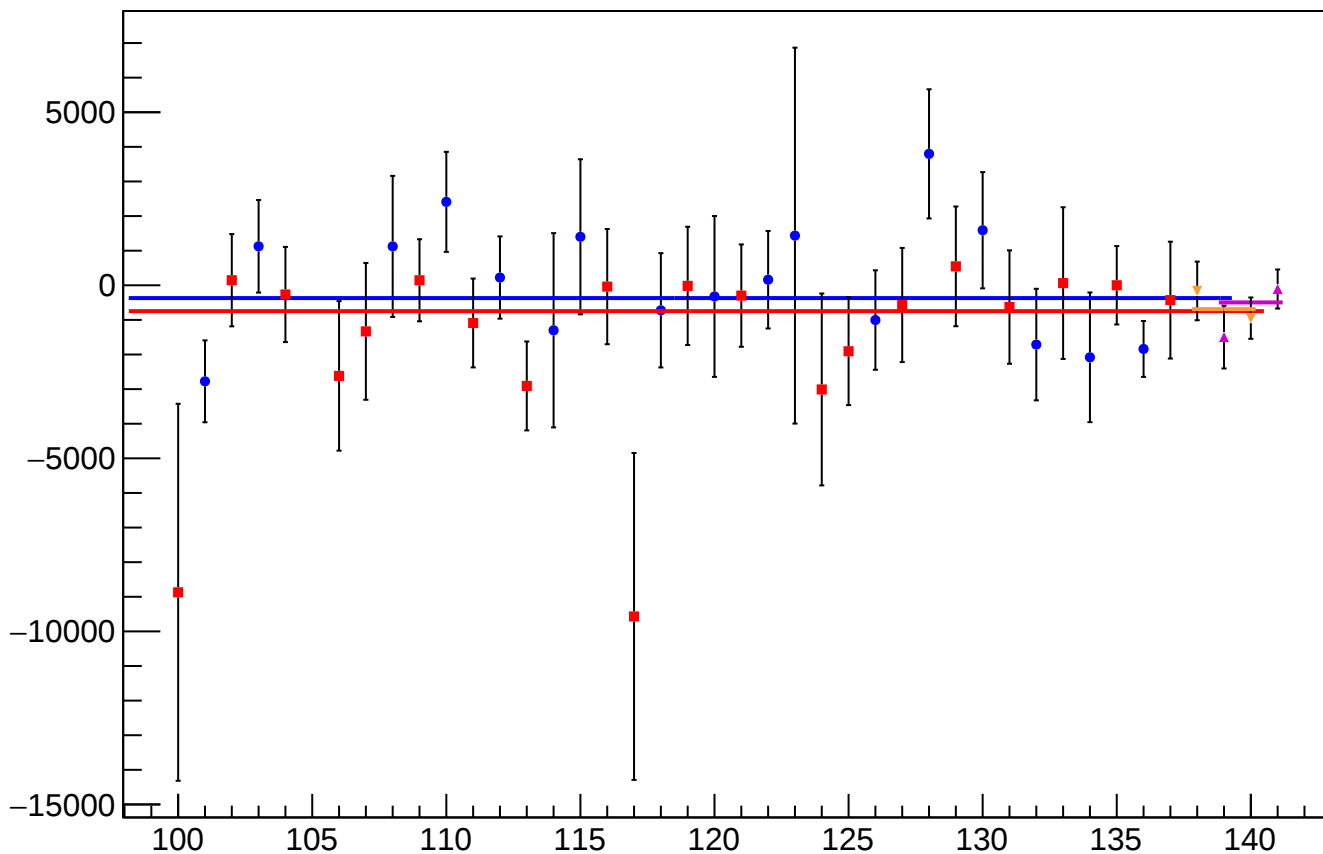
Right Out: 67.466 $\pm$ 0.018 χ^2 /NDF: 395262.8/19

Left In: 68.117 $\pm$ 0.039 χ^2 /NDF:56962.6/1

67.382 $\pm$ 0.017 χ^2 /NDF: 476230.0/18

67.585 $\pm$ 0.017 χ^2 /NDF: 452453.2/21

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546+/-366.432 χ^2 /NDF: 22.3/16

Left Out: -687.830+/-488.251 χ^2 /NDF:0.6/1

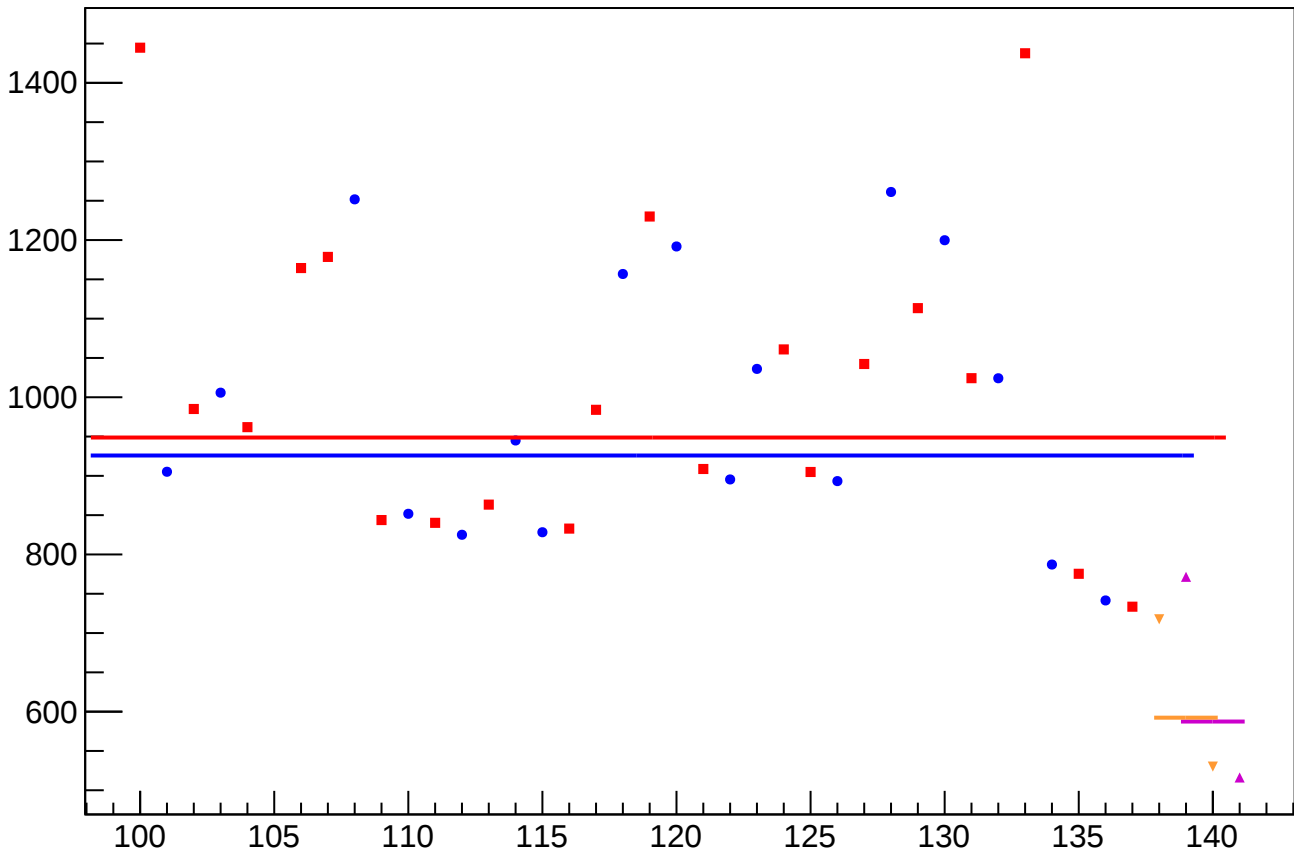
Right Out: -747.208+/-360.830 χ^2 /NDF: 13.4/19

Left In: -494.944+/-479.334 χ^2 /NDF:1.7/1

-484.226+/-293.076 χ^2 /NDF: 23.1/18

-655.963+/-288.280 χ^2 /NDF: 15.3/21

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 592.341+/-0.345 χ^2/NDF : 65376.4/1

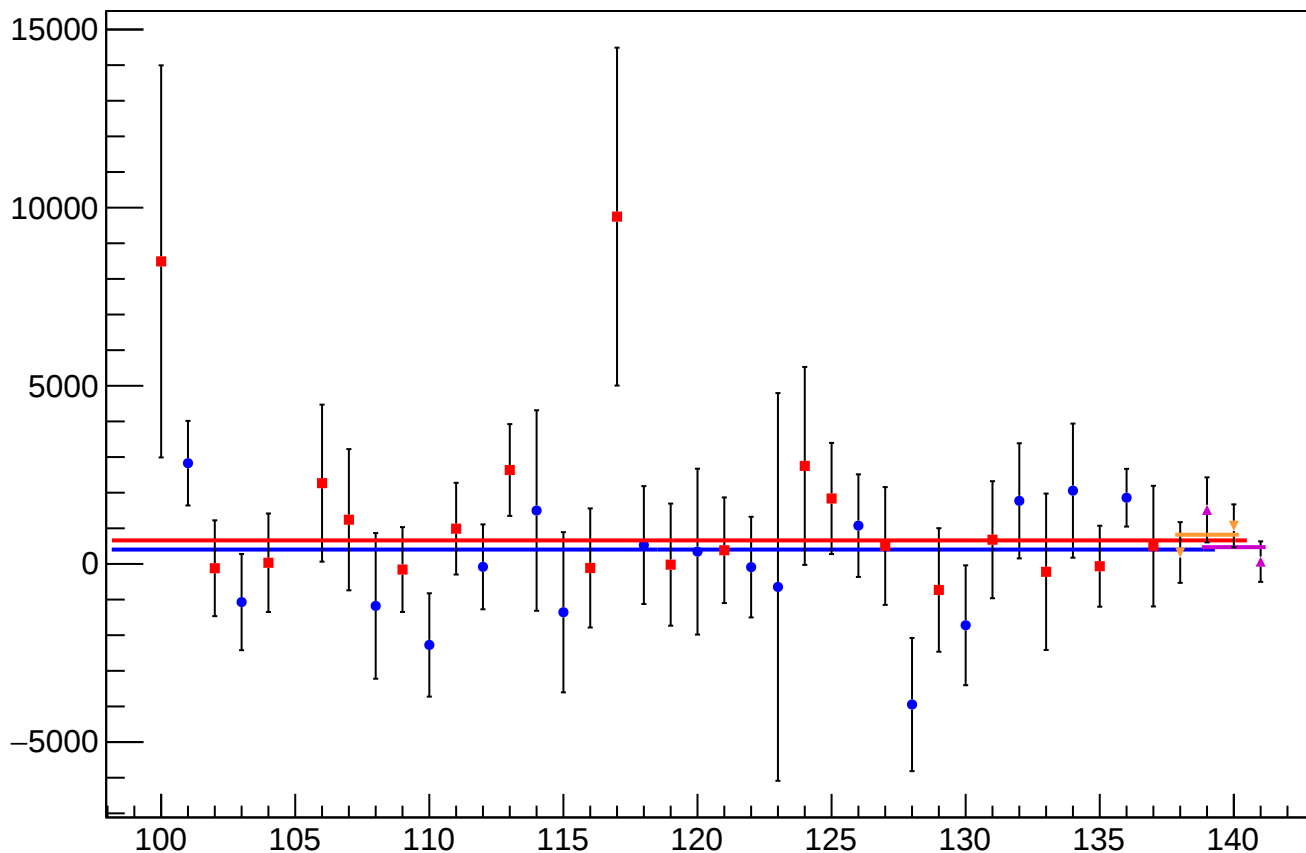
Right Out: 948.760+/-0.255 χ^2/NDF : 382044.0/19

Left In: 587.418+/-0.339 χ^2/NDF : 114086.8/1

805.707+/-0.207 χ^2/NDF : 1053524.3/18

818.061+/-0.204 χ^2/NDF : 1221591.1/21

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 819.995+/-492.169 χ^2/NDF : 0.5/1

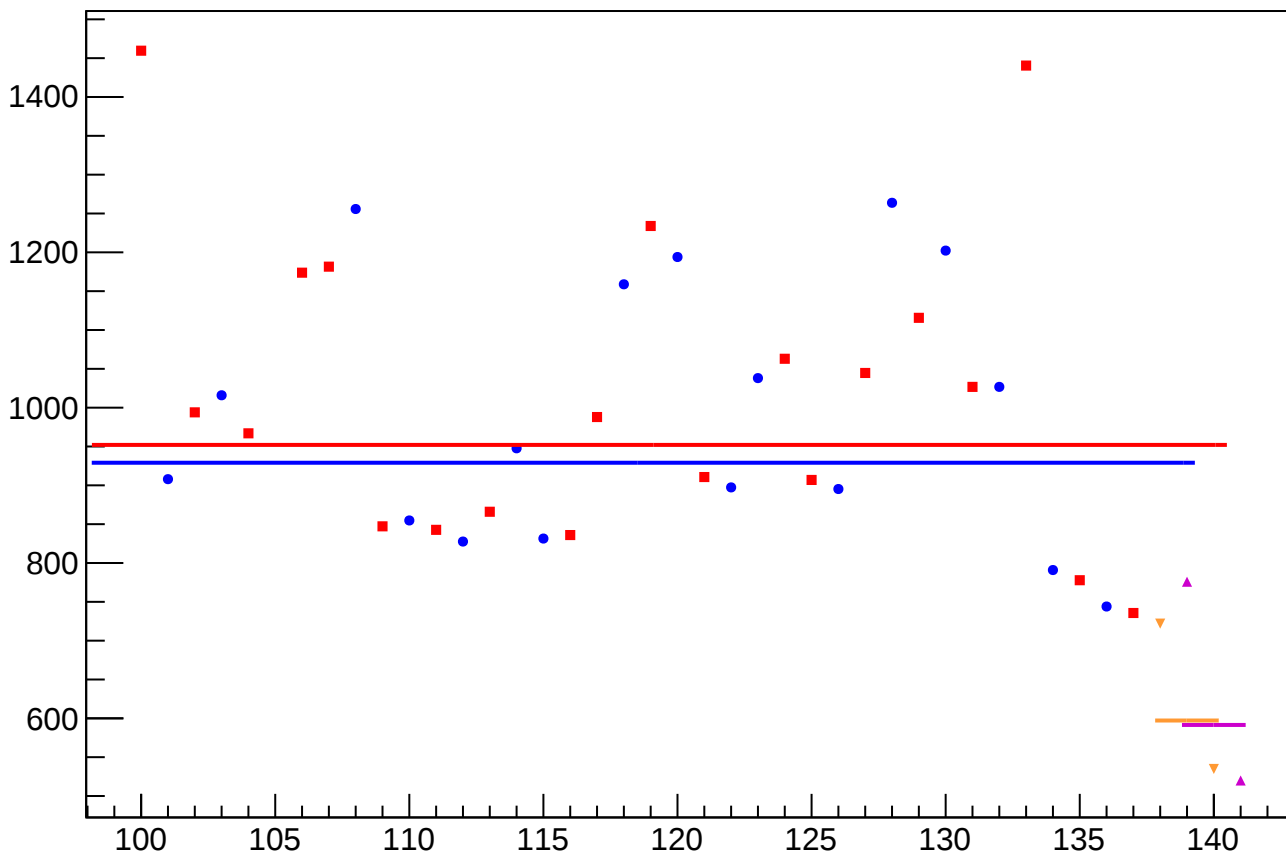
Right Out: 660.630+/-362.265 χ^2/NDF : 12.5/19

Left In: 470.813+/-482.588 χ^2/NDF : 1.8/1

552.747+/-294.562 χ^2/NDF : 23.4/18

592.218+/-289.719 χ^2/NDF : 14.4/21

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 597.205+/-0.348 χ^2/NDF : 64242.3/1

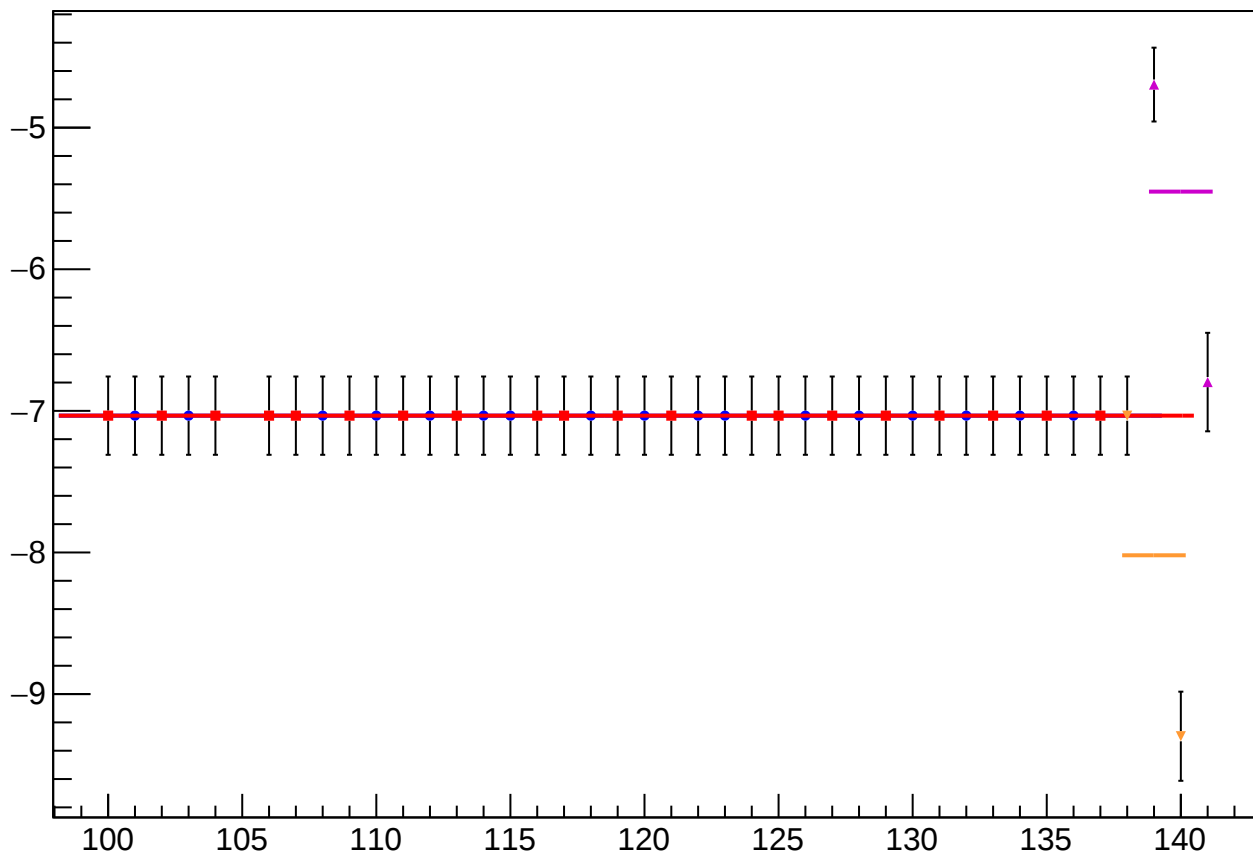
Right Out: 952.057+/-0.256 χ^2/NDF : 382334.5/19

Left In: 591.492+/-0.341 χ^2/NDF : 113247.9/1

810.213+/-0.208 χ^2/NDF : 1038239.6/18

822.105+/-0.205 χ^2/NDF : 1209657.4/21

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -7.034 $\pm$ 0.067 χ^2/NDF : 0.0/16

Left Out: -8.020 $\pm$ 0.208 χ^2/NDF : 29.2/1

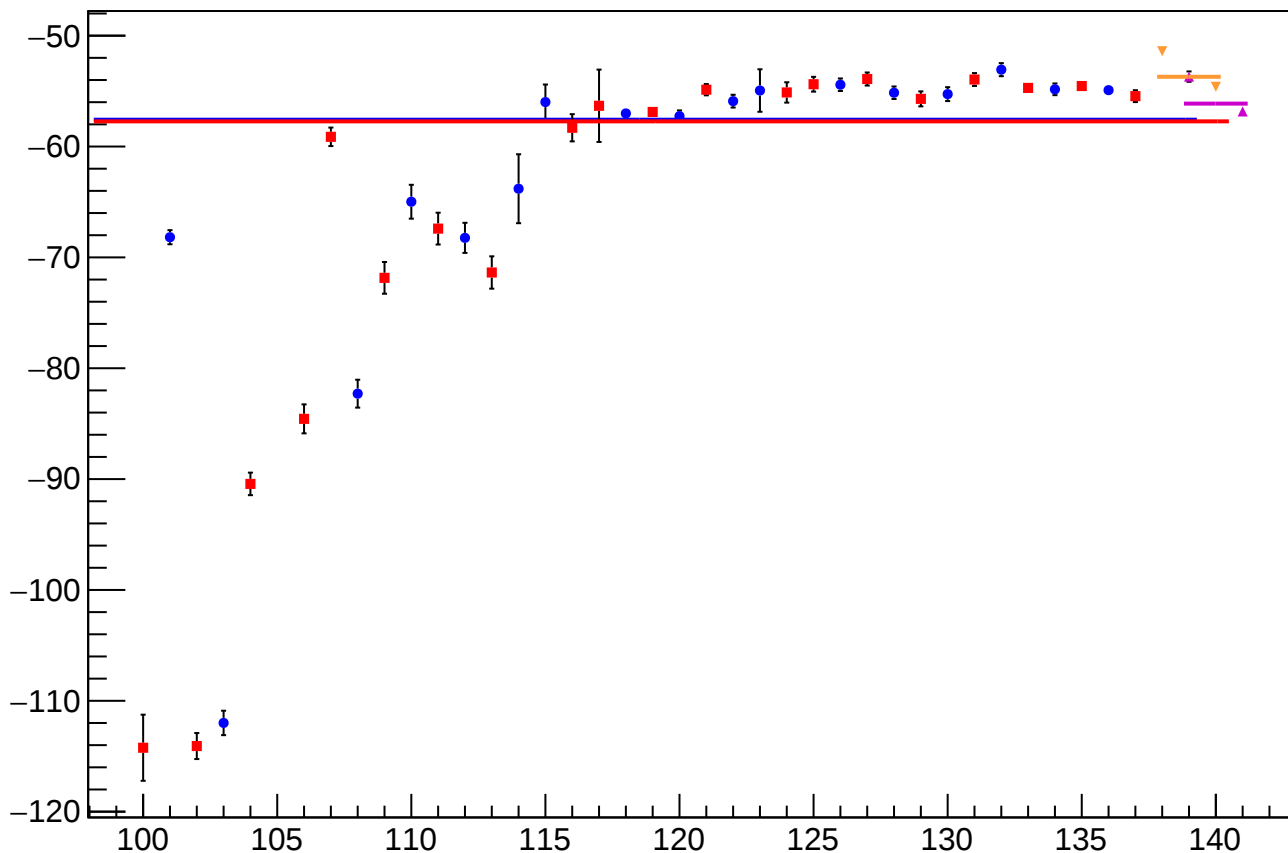
Right Out: -7.034 $\pm$ 0.062 χ^2/NDF : 0.0/19

Left In: -5.452 $\pm$ 0.209 χ^2/NDF : 23.4/1

-7.127 $\pm$ 0.064 χ^2/NDF : 49.6/18

-6.906 $\pm$ 0.059 χ^2/NDF : 76.3/21

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -53.708 ± 0.171 χ^2/NDF : 71.1/1

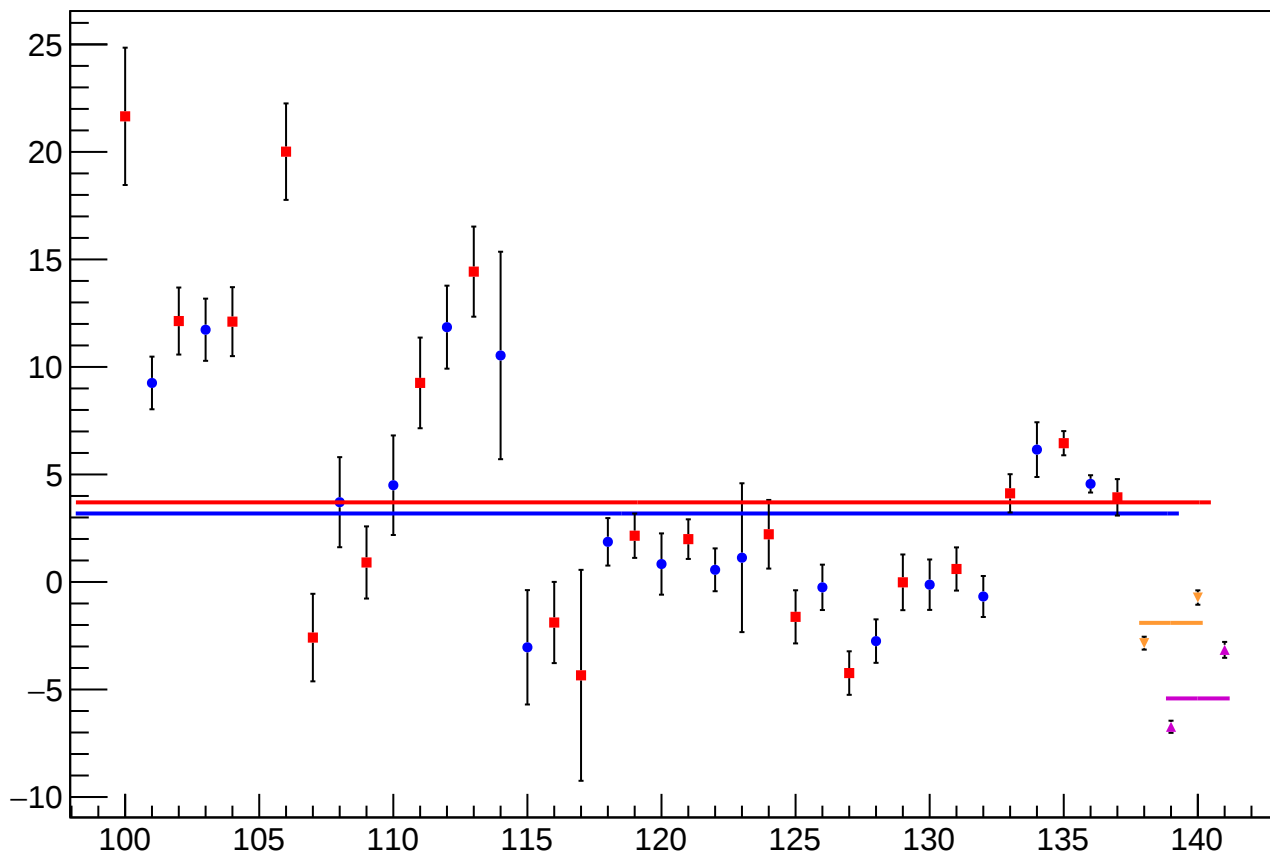
Right Out: -57.730 ± 0.143 χ^2/NDF : 4698.7/19

Left In: -56.129 ± 0.221 χ^2/NDF : 35.2/1

-55.986 ± 0.110 χ^2/NDF : 3828.4/18

-57.258 ± 0.120 χ^2/NDF : 4770.9/21

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -1.901 ± 0.224 $\chi^2/\text{NDF}: 22.2/1$

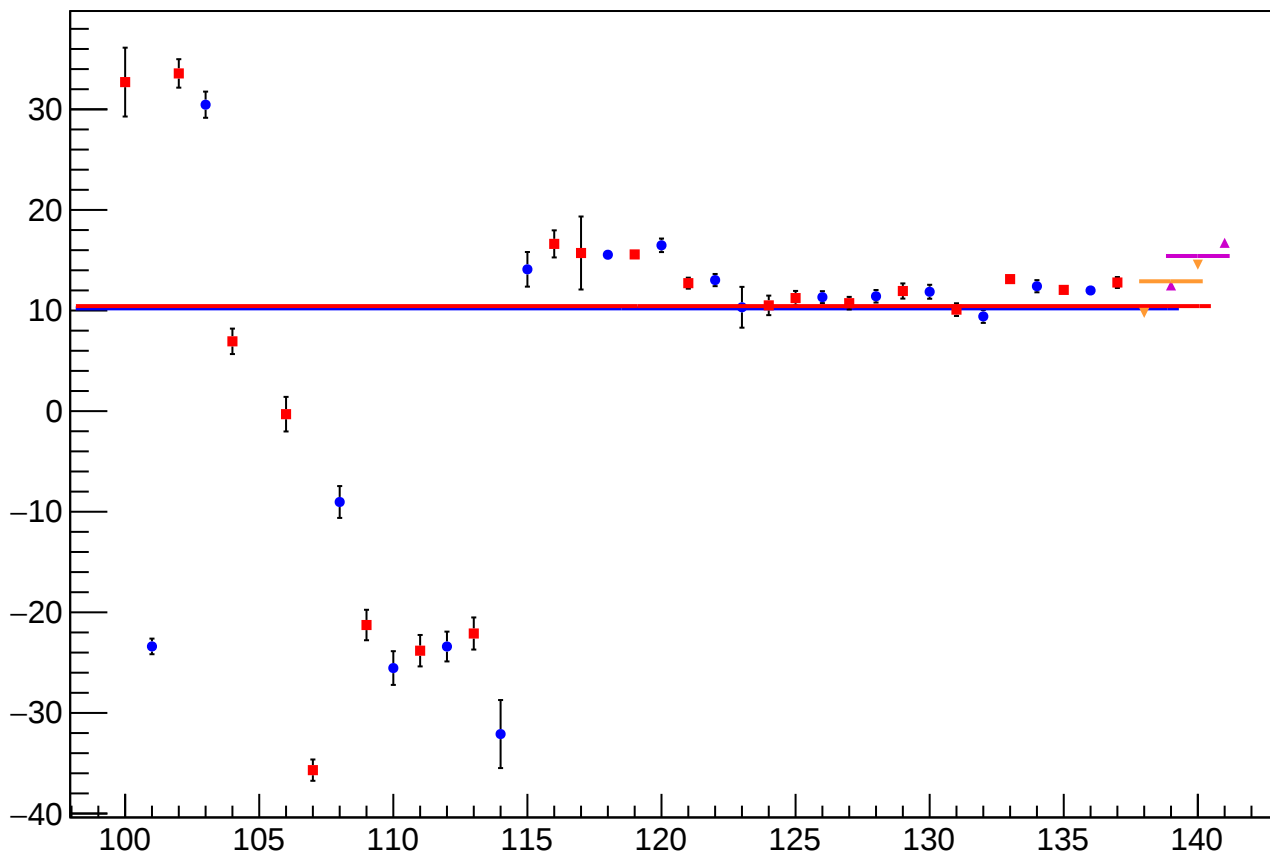
Right Out: 3.702 ± 0.267 $\chi^2/\text{NDF}: 326.8/19$

Left In: -5.416 ± 0.225 $\chi^2/\text{NDF}: 59.1/1$

0.271 ± 0.169 $\chi^2/\text{NDF}: 429.1/18$

-1.641 ± 0.172 $\chi^2/\text{NDF}: 1068.6/21$

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 12.907 $\pm$ 0.208 χ^2 /NDF:120.4/1

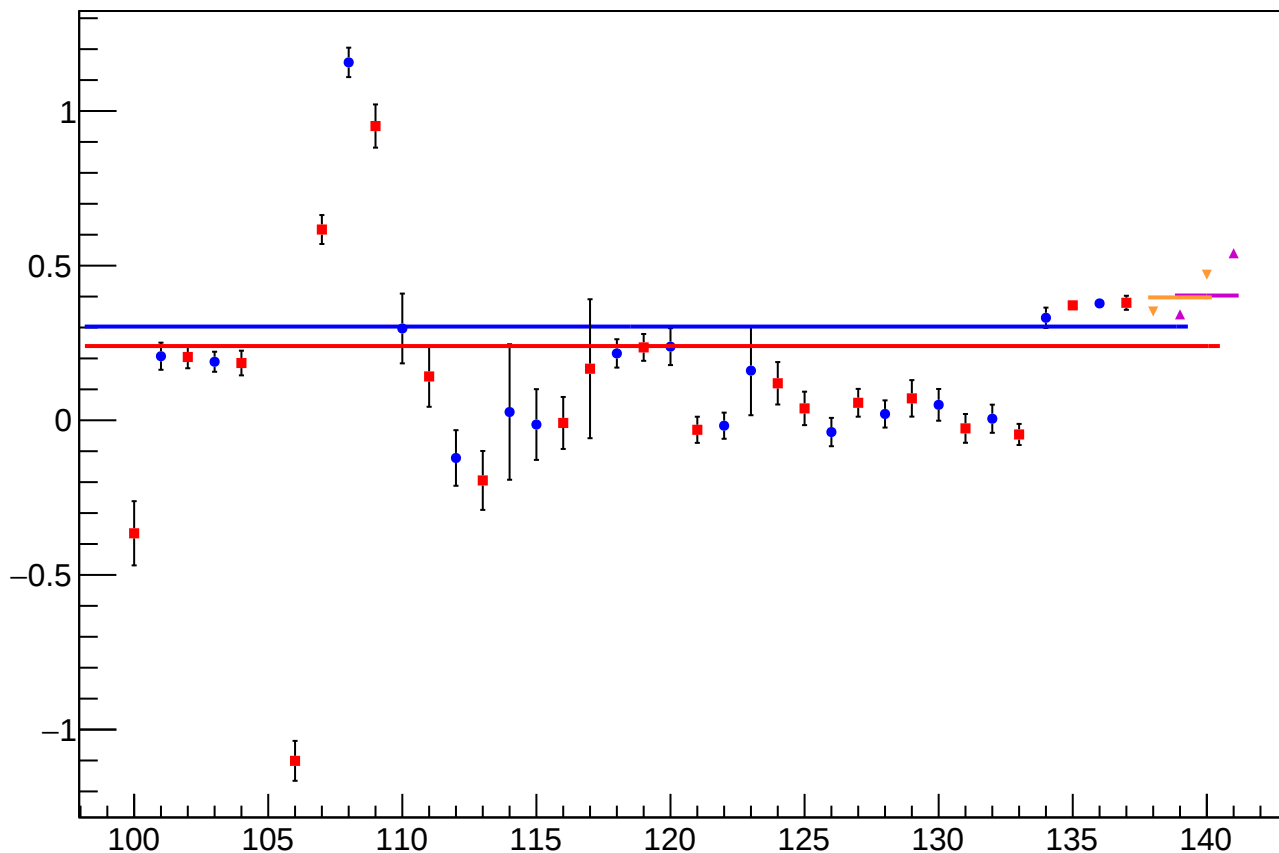
Right Out: 10.440 $\pm$ 0.160 χ^2 /NDF: 3829.1/19

Left In: 15.422 $\pm$ 0.249 χ^2 /NDF:61.6/1

11.203 $\pm$ 0.126 χ^2 /NDF: 3919.5/18

11.891 $\pm$ 0.135 χ^2 /NDF: 4173.3/21

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.397 $\pm$ 0.009 χ^2 /NDF:41.0/1

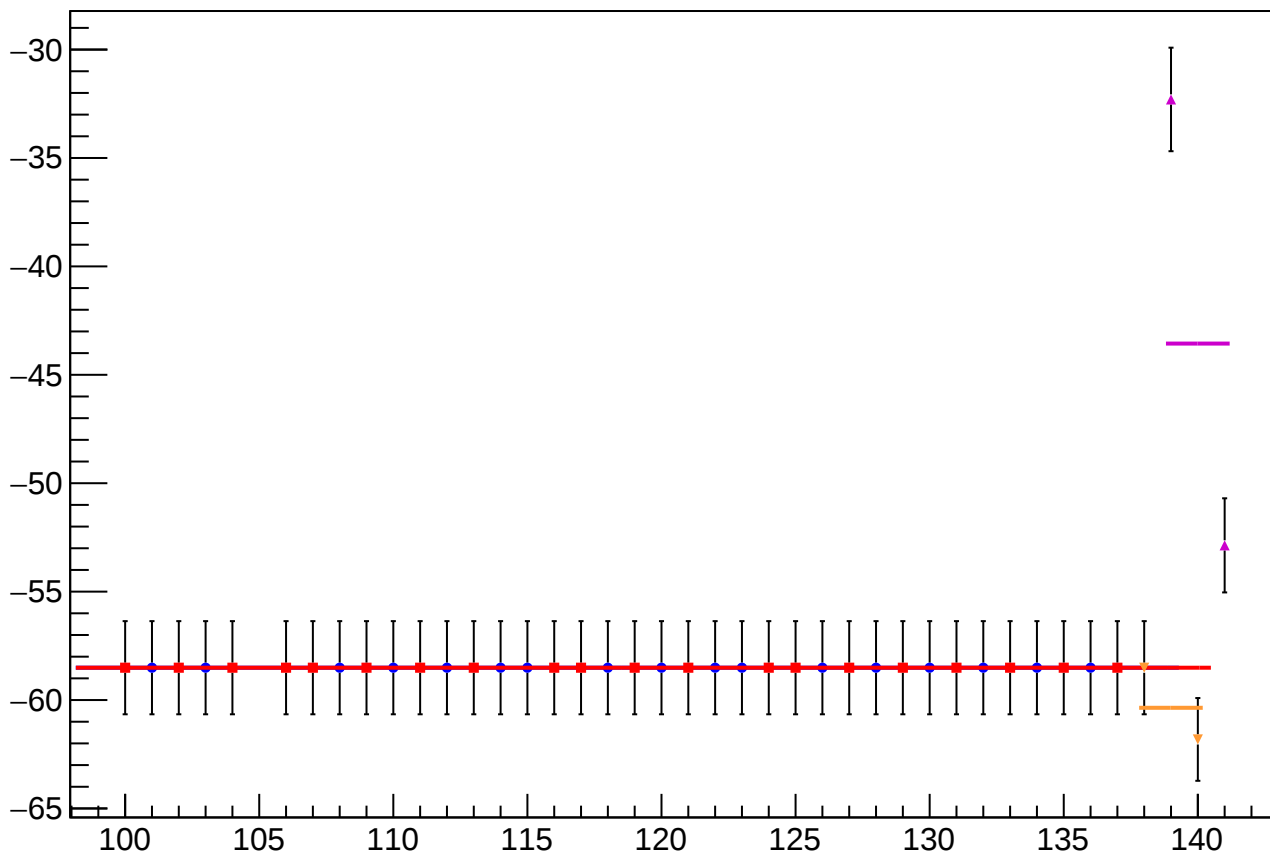
Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.5/19

Left In: 0.403 $\pm$ 0.008 χ^2 /NDF:122.2/1

0.346 $\pm$ 0.006 χ^2 /NDF: 746.8/18

0.324 $\pm$ 0.006 χ^2 /NDF: 1296.4/21

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -58.509 $\pm$ 0.521 χ^2 /NDF: 0.0/16

Left Out: -60.358 $\pm$ 1.427 χ^2 /NDF: 1.3/1

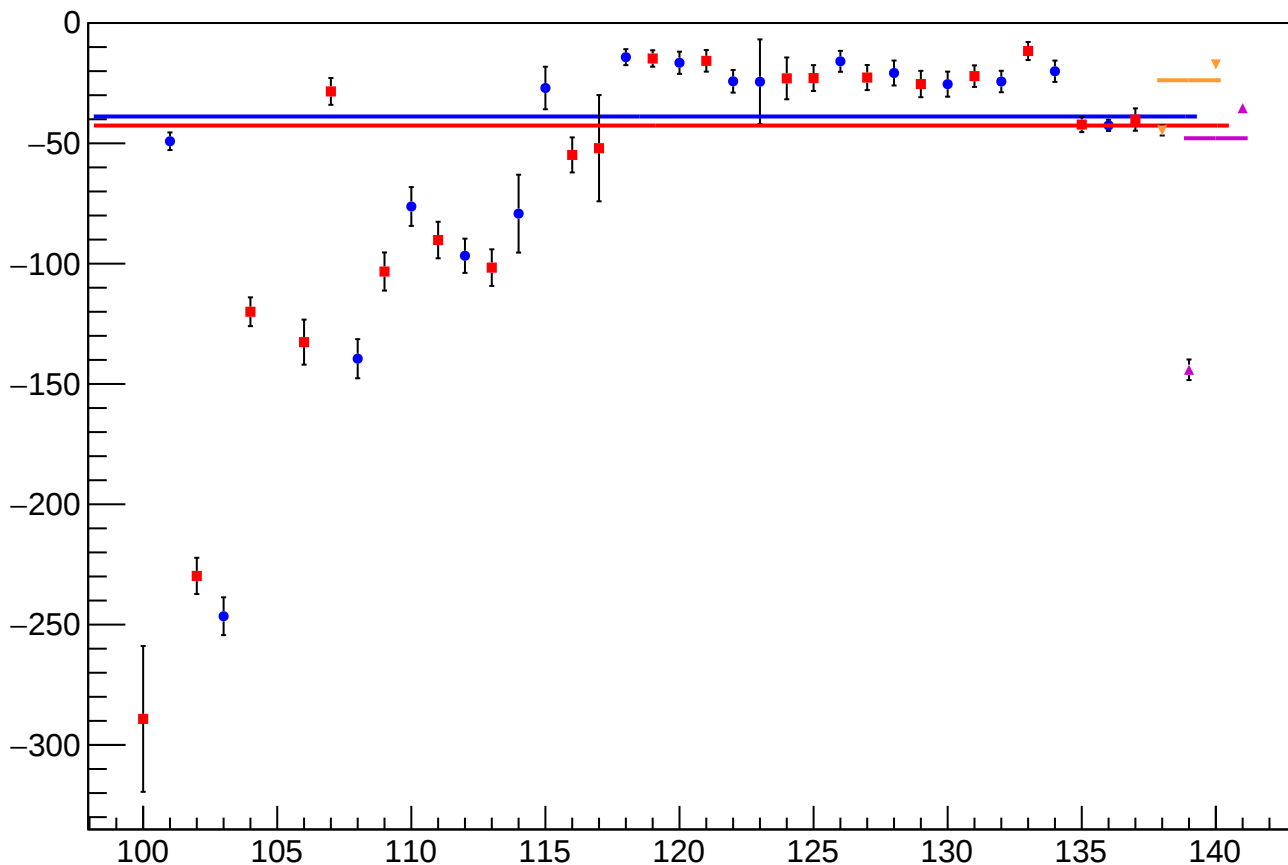
Right Out: -58.509 $\pm$ 0.480 χ^2 /NDF: 0.0/19

Left In: -43.560 $\pm$ 1.606 χ^2 /NDF: 40.6/1

-58.727 $\pm$ 0.489 χ^2 /NDF: 2.8/18

-57.282 $\pm$ 0.460 χ^2 /NDF: 120.2/21

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -23.785 ± 1.030 $\chi^2/\text{NDF}: 128.8/1$

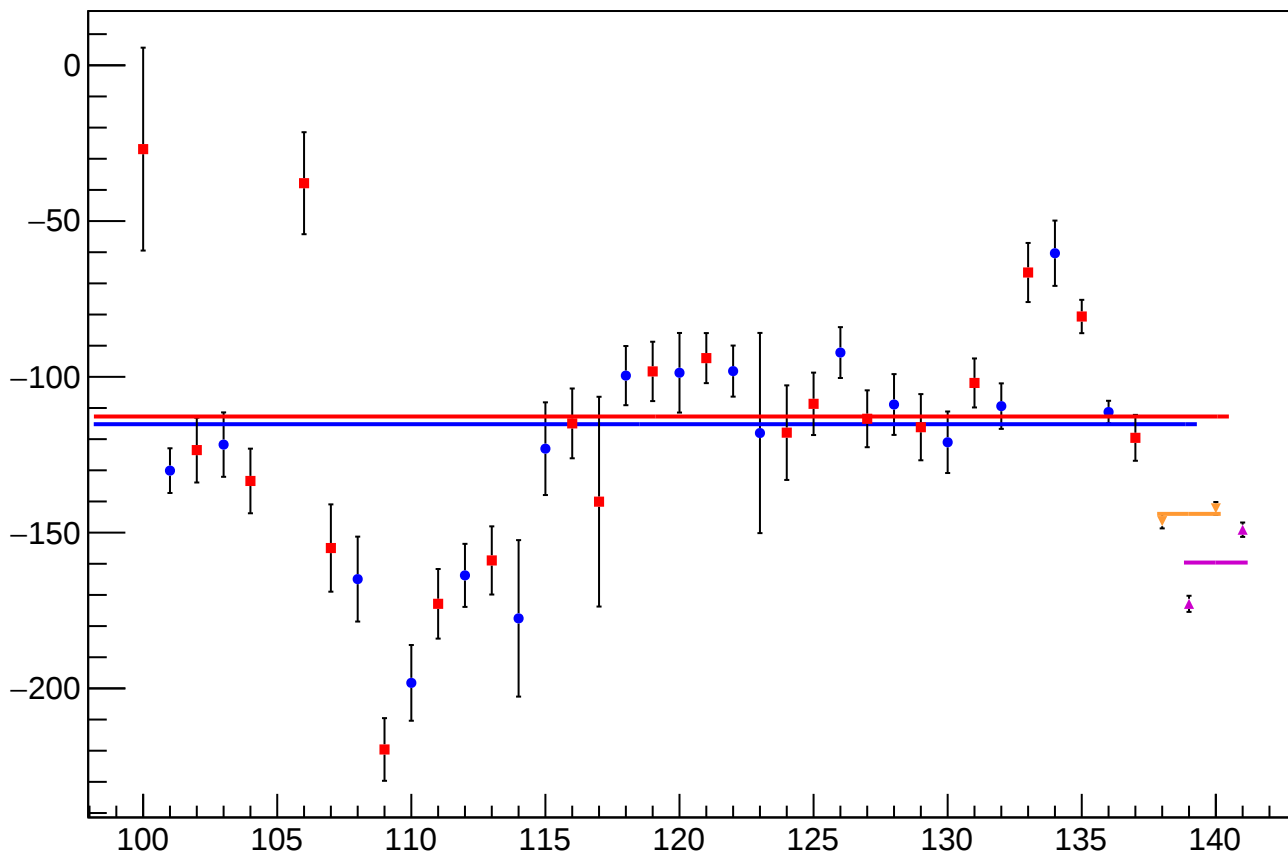
Right Out: -42.614 ± 1.208 $\chi^2/\text{NDF}: 1345.9/19$

Left In: -47.890 ± 1.452 $\chi^2/\text{NDF}: 570.5/1$

-30.503 ± 0.767 $\chi^2/\text{NDF}: 1346.0/18$

-44.773 ± 0.929 $\chi^2/\text{NDF}: 1924.1/21$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -143.982 ± 1.531 $\chi^2/\text{NDF}: 1.8/1$

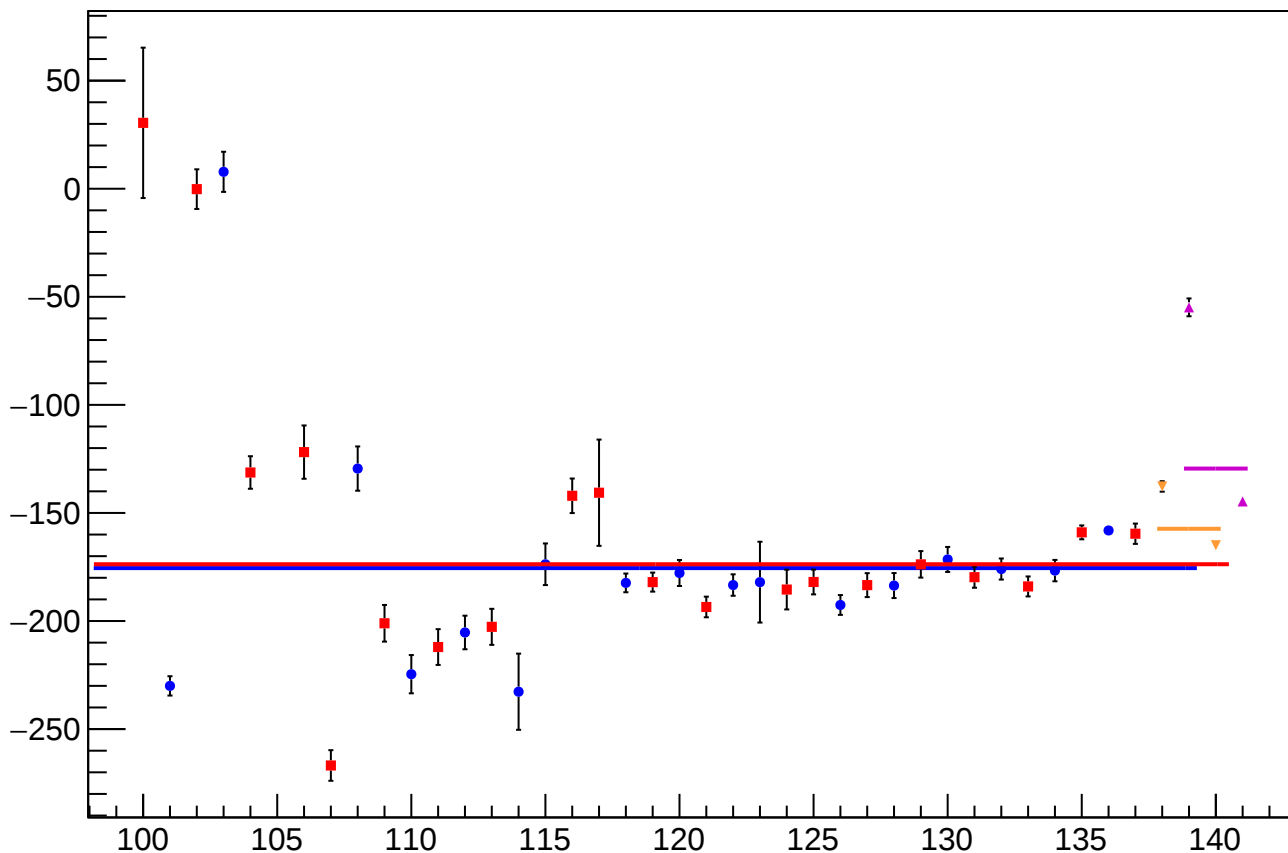
Right Out: -112.729 ± 2.205 $\chi^2/\text{NDF}: 273.1/19$

Left In: -159.609 ± 1.722 $\chi^2/\text{NDF}: 47.1/1$

-133.877 ± 1.233 $\chi^2/\text{NDF}: 266.6/18$

-141.844 ± 1.357 $\chi^2/\text{NDF}: 601.0/21$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -157.323 ± 1.283 χ^2/NDF : 90.8/1

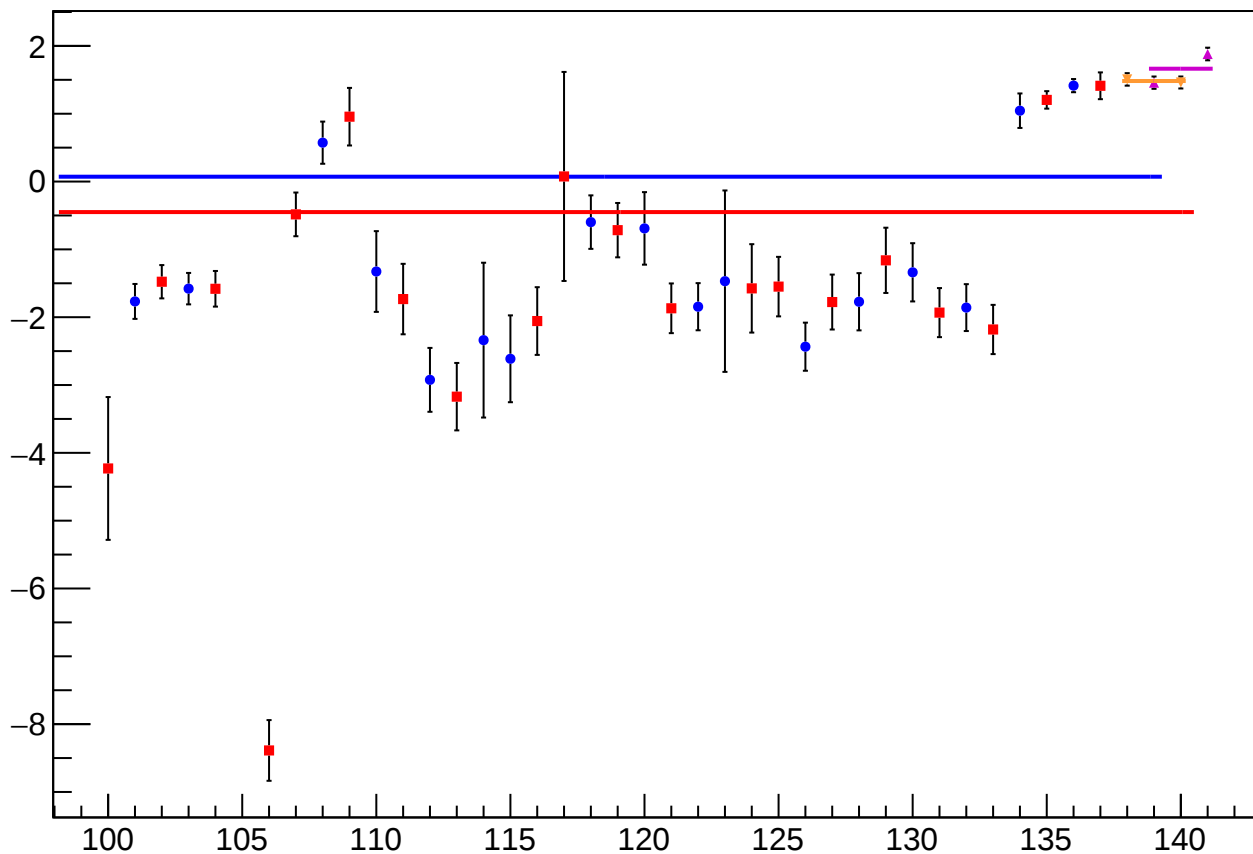
Right Out: -173.729 ± 1.354 χ^2/NDF : 739.7/19

Left In: -129.466 ± 1.695 χ^2/NDF : 394.5/1

-166.465 ± 0.905 χ^2/NDF : 884.1/18

-156.484 ± 1.058 χ^2/NDF : 1550.2/21

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.482 ± 0.064 χ^2/NDF : 0.1/1

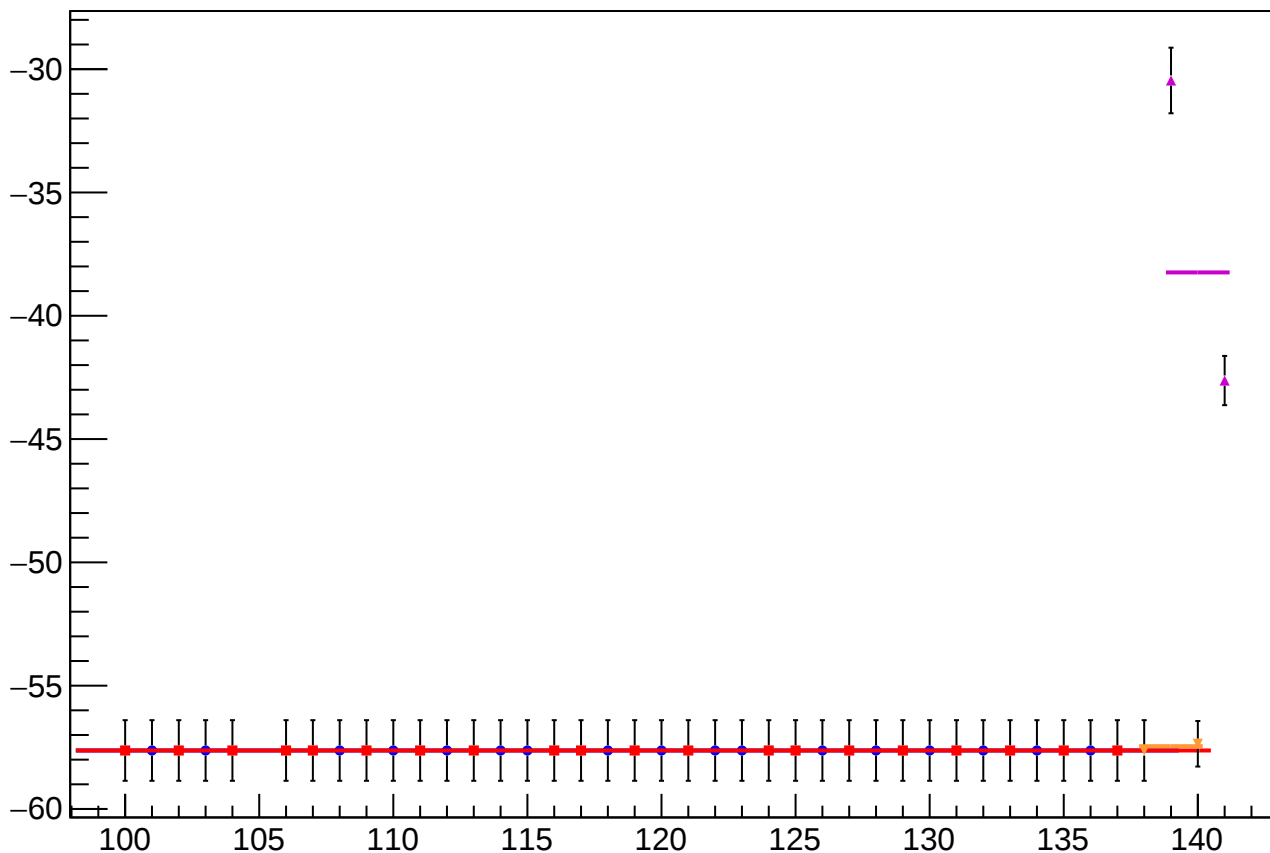
Right Out: -0.450 ± 0.071 χ^2/NDF : 751.4/19

Left In: 1.664 ± 0.065 χ^2/NDF : 10.5/1

0.812 ± 0.046 χ^2/NDF : 757.0/18

0.702 ± 0.048 χ^2/NDF : 1241.6/21

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -57.628 $\pm$ 0.298 χ^2 /NDF: 0.0/16

Left Out: -57.454 $\pm$ 0.739 χ^2 /NDF: 0.0/1

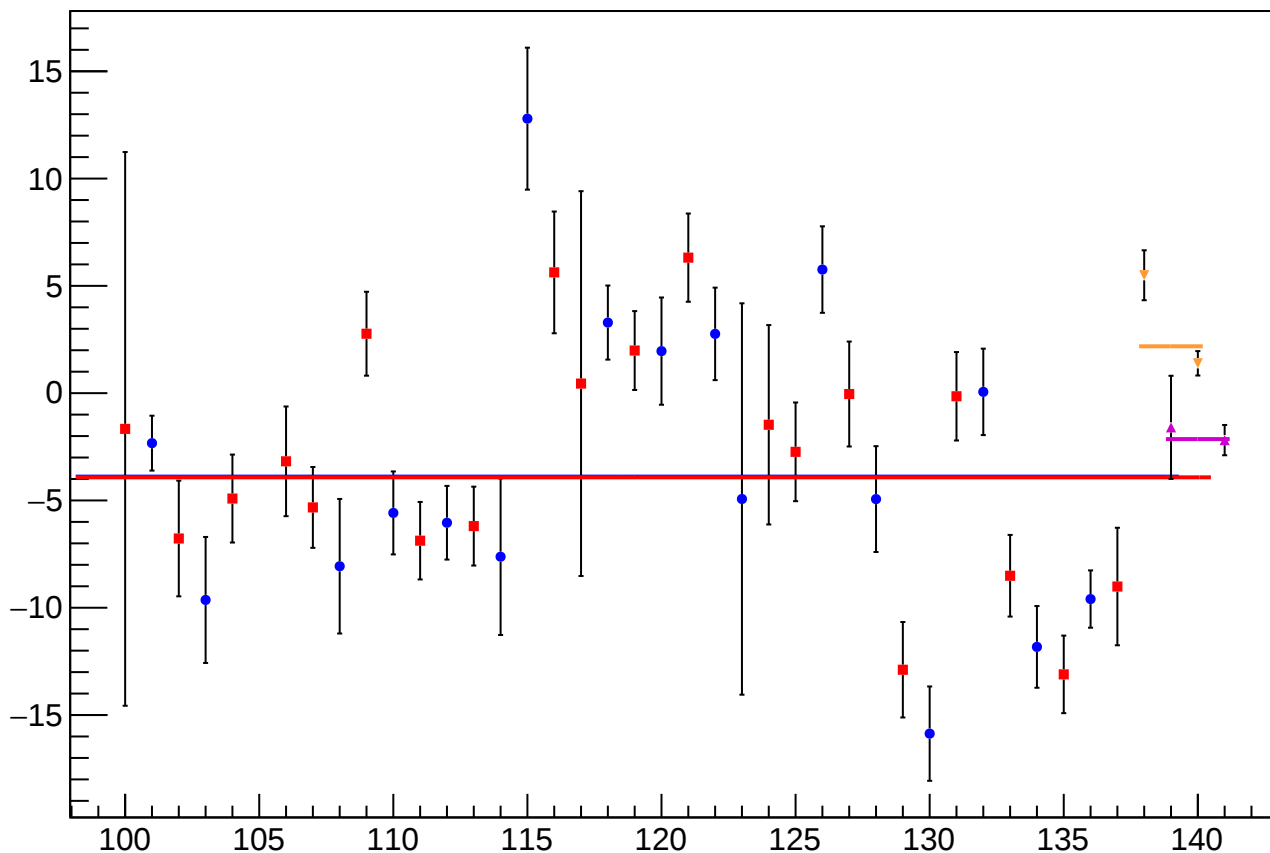
Right Out: -57.628 $\pm$ 0.275 χ^2 /NDF: 0.0/19

Left In: -38.242 $\pm$ 0.798 χ^2 /NDF: 53.5/1

-57.604 $\pm$ 0.276 χ^2 /NDF: 0.1/18

-55.574 $\pm$ 0.260 χ^2 /NDF: 580.6/21

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 $\pm$ 0.498 χ^2 /NDF: 160.5/16

Left Out: 2.183 $\pm$ 0.511 χ^2 /NDF:10.0/1

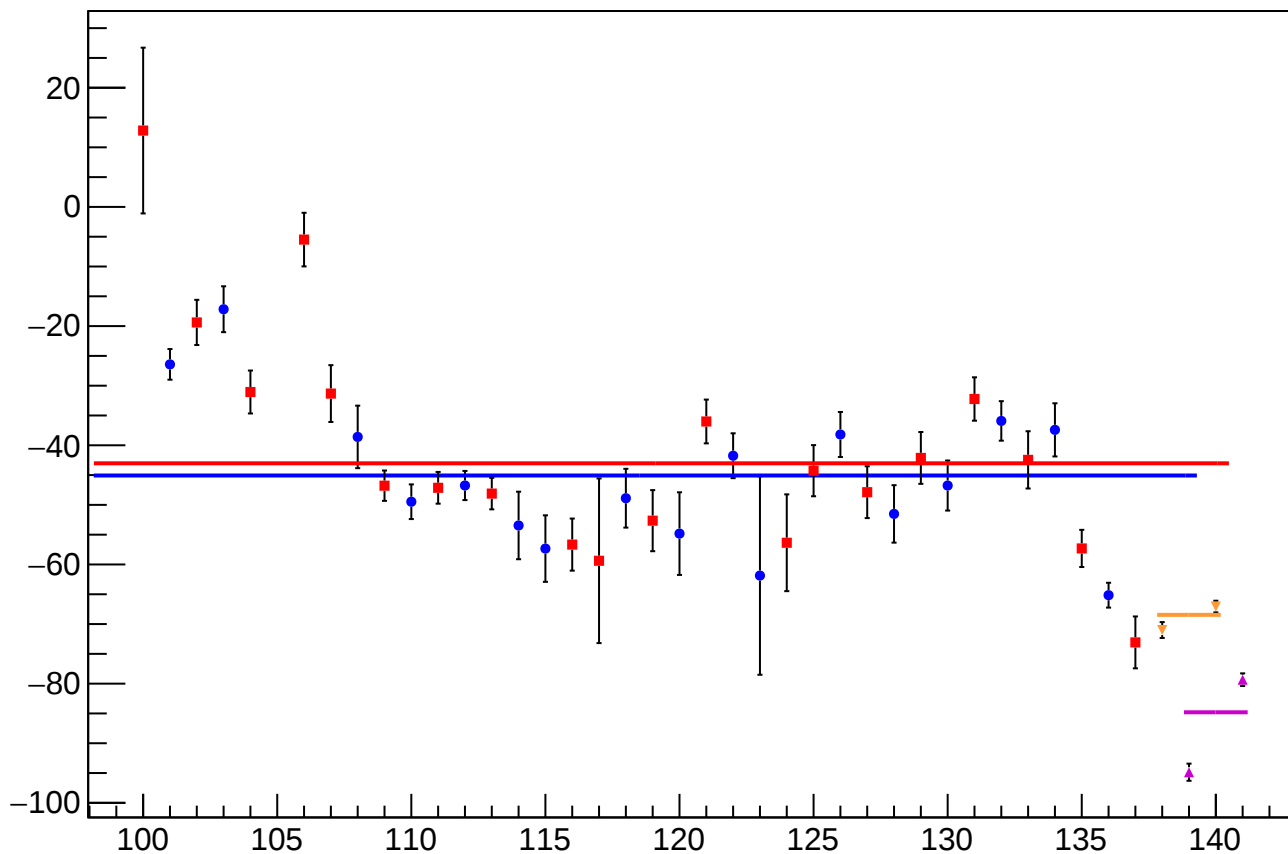
Right Out: -3.923 $\pm$ 0.506 χ^2 /NDF: 122.4/19

Left In: -2.141 $\pm$ 0.677 χ^2 /NDF:0.1/1

-0.932 $\pm$ 0.357 χ^2 /NDF: 242.9/18

-3.285 $\pm$ 0.405 χ^2 /NDF: 126.9/21

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070±/-0.883 χ^2/NDF : 229.7/16

Left Out: -68.455±/-0.791 χ^2/NDF : 5.6/1

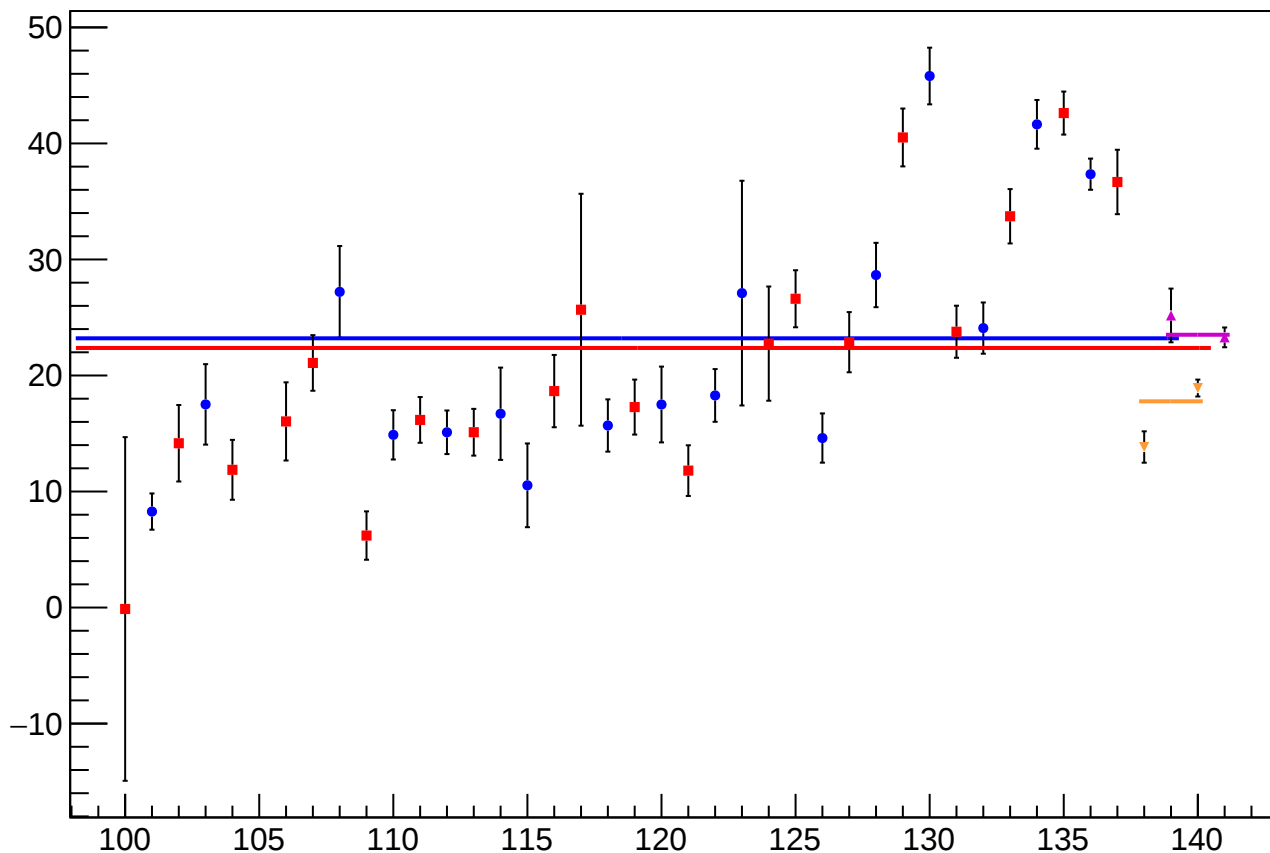
Right Out: -43.025±/-0.876 χ^2/NDF : 249.7/19

Left In: -84.807±/-0.854 χ^2/NDF : 75.4/1

-58.045±/-0.589 χ^2/NDF : 624.2/18

-64.441±/-0.612 χ^2/NDF : 1490.9/21

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2/NDF : 457.3/16

Left Out: 17.773 $\pm$ 0.641 χ^2/NDF : 11.0/1

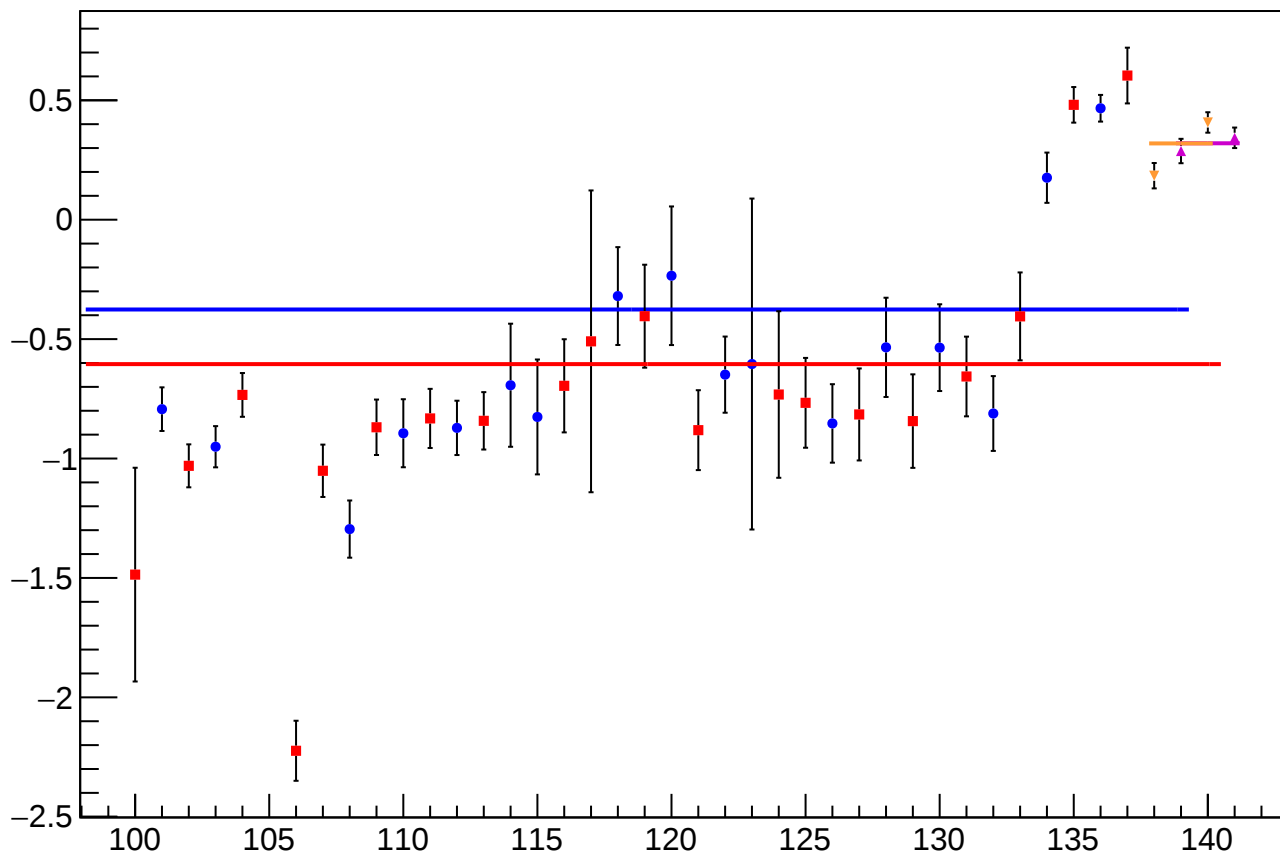
Right Out: 22.372 $\pm$ 0.572 χ^2/NDF : 367.0/19

Left In: 23.511 $\pm$ 0.800 χ^2/NDF : 0.6/1

20.861 $\pm$ 0.421 χ^2/NDF : 509.0/18

22.757 $\pm$ 0.465 χ^2/NDF : 368.9/21

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 χ^2/NDF : 437.3/16

Left Out: 0.319 ± 0.033 χ^2/NDF : 10.7/1

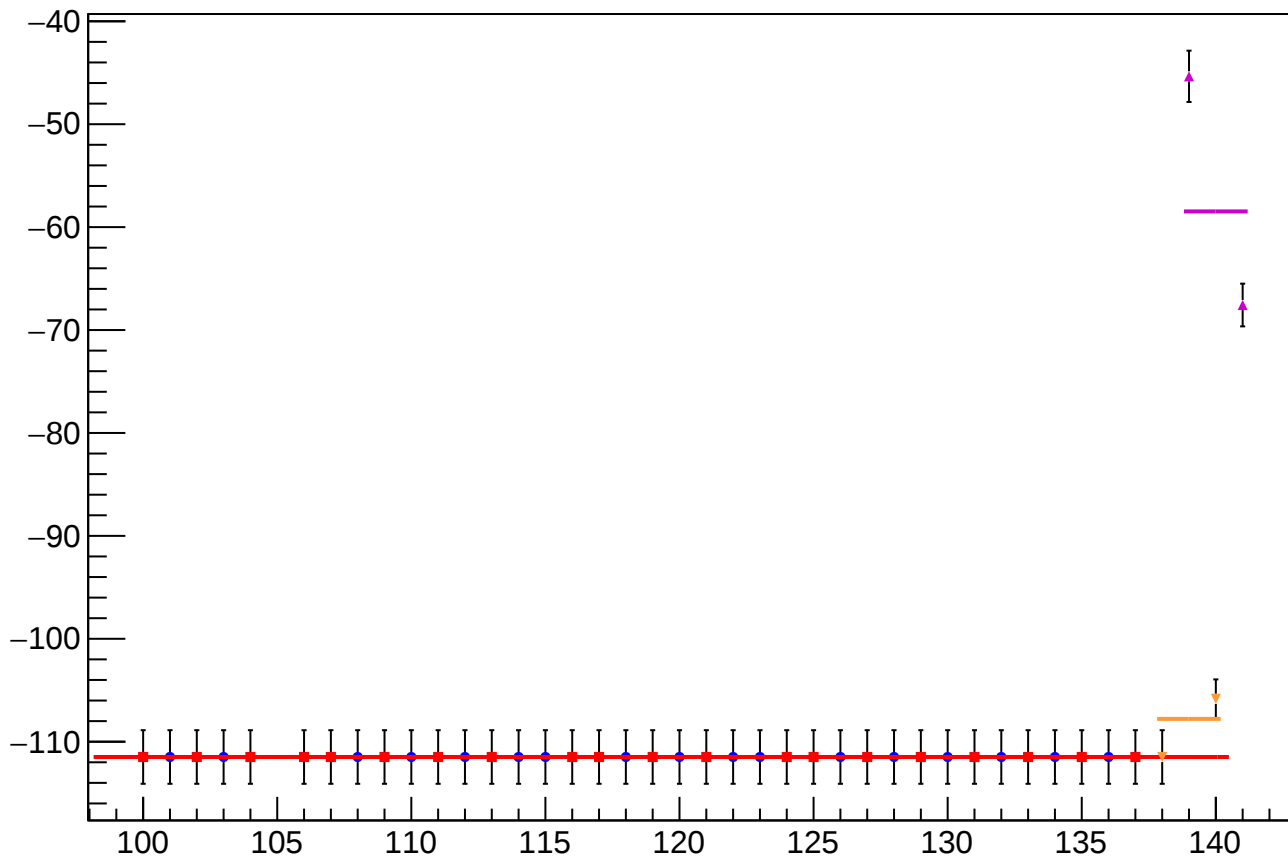
Right Out: -0.605 ± 0.030 χ^2/NDF : 551.2/19

Left In: 0.320 ± 0.033 χ^2/NDF : 0.7/1

-0.063 ± 0.022 χ^2/NDF : 687.6/18

-0.181 ± 0.022 χ^2/NDF : 981.4/21

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -111.486+/-0.632 χ^2/NDF : 0.0/16

Left Out: -107.783+/-1.529 χ^2/NDF : 3.1/1

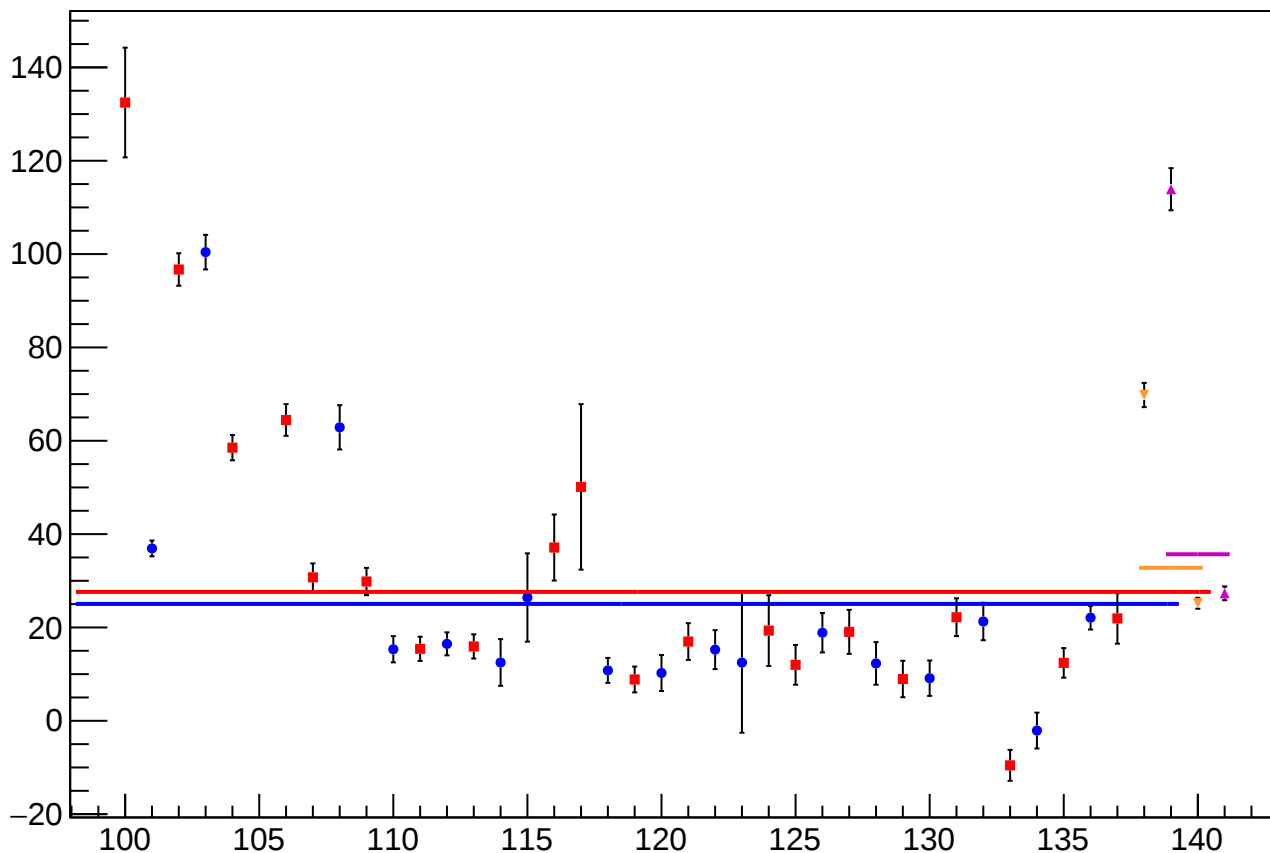
Right Out: -111.486+/-0.582 χ^2/NDF : 0.0/19

Left In: -58.475+/-1.595 χ^2/NDF : 47.0/1

-110.946+/-0.584 χ^2/NDF : 8.1/18

-105.248+/-0.547 χ^2/NDF : 1022.2/21

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 32.780 $\pm$ 1.069 χ^2 /NDF:245.8/1

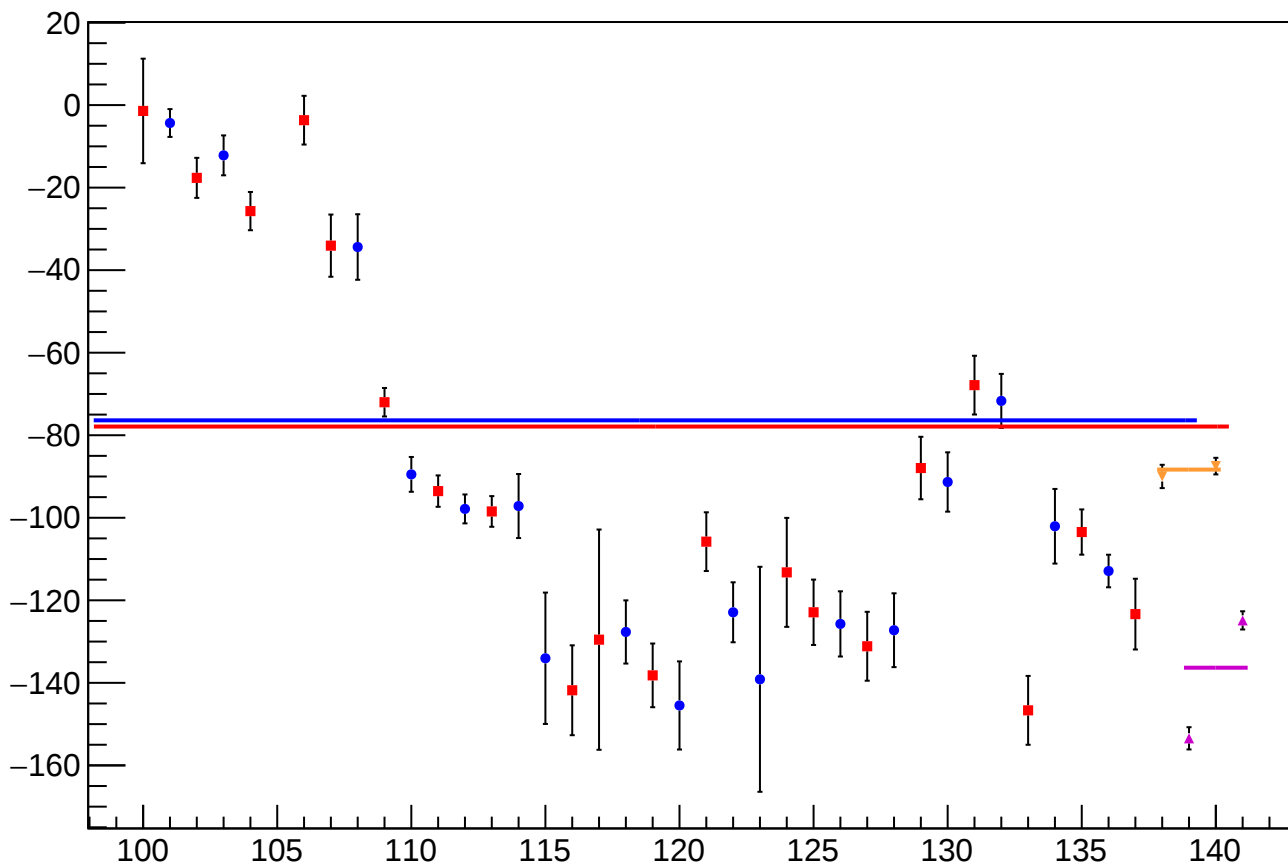
Right Out: 27.620 $\pm$ 0.809 χ^2 /NDF: 1014.4/19

Left In: 35.685 $\pm$ 1.404 χ^2 /NDF:331.9/1

27.849 $\pm$ 0.644 χ^2 /NDF: 965.5/18

29.630 $\pm$ 0.701 χ^2 /NDF: 1371.1/21

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392+/-1.416 χ^2/NDF : 1031.9/16

Left Out: -88.326+/-1.638 χ^2/NDF : 0.5/1

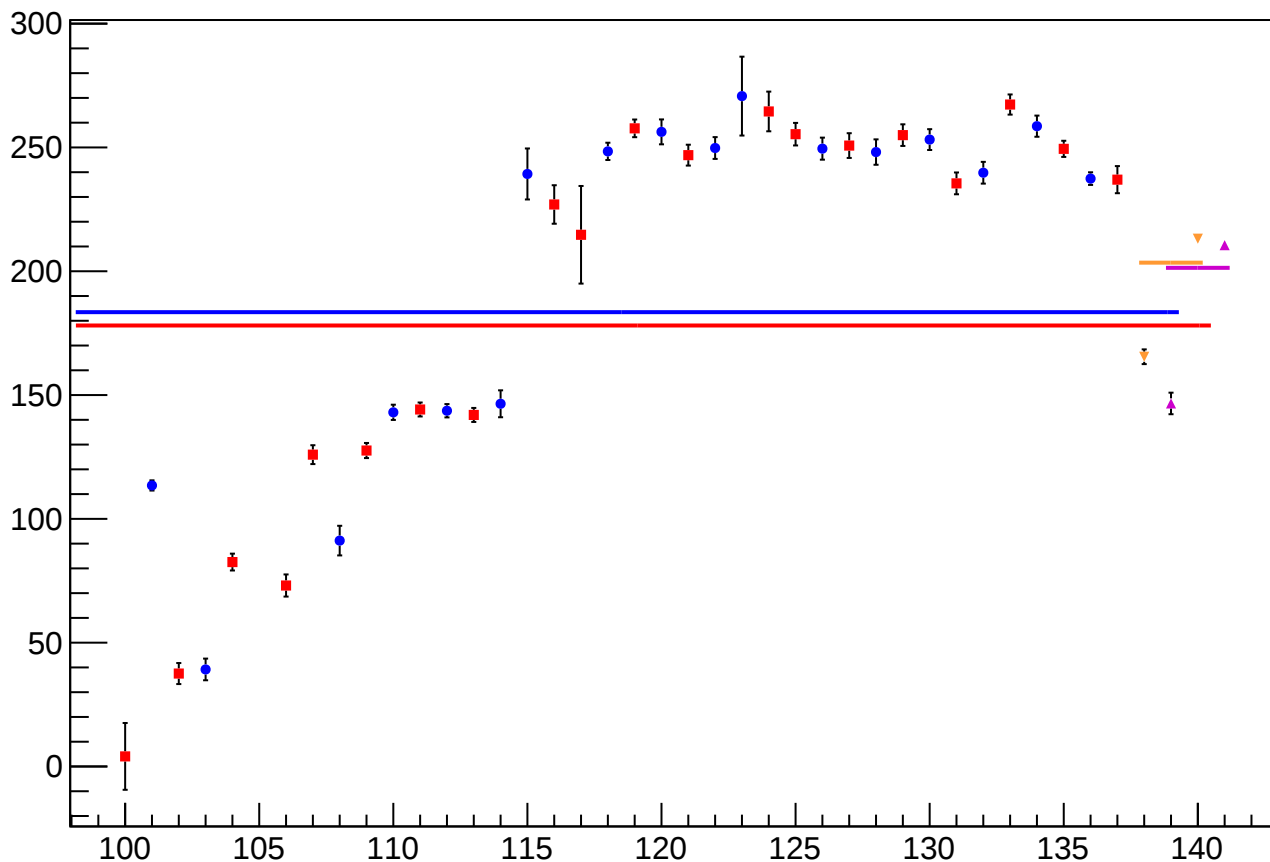
Right Out: -77.894+/-1.351 χ^2/NDF : 876.4/19

Left In: -136.332+/-1.707 χ^2/NDF : 67.3/1

-81.496+/-1.071 χ^2/NDF : 1062.8/18

-100.398+/-1.059 χ^2/NDF : 1664.2/21

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 203.472 $\pm$ 1.339 χ^2 /NDF:205.0/1

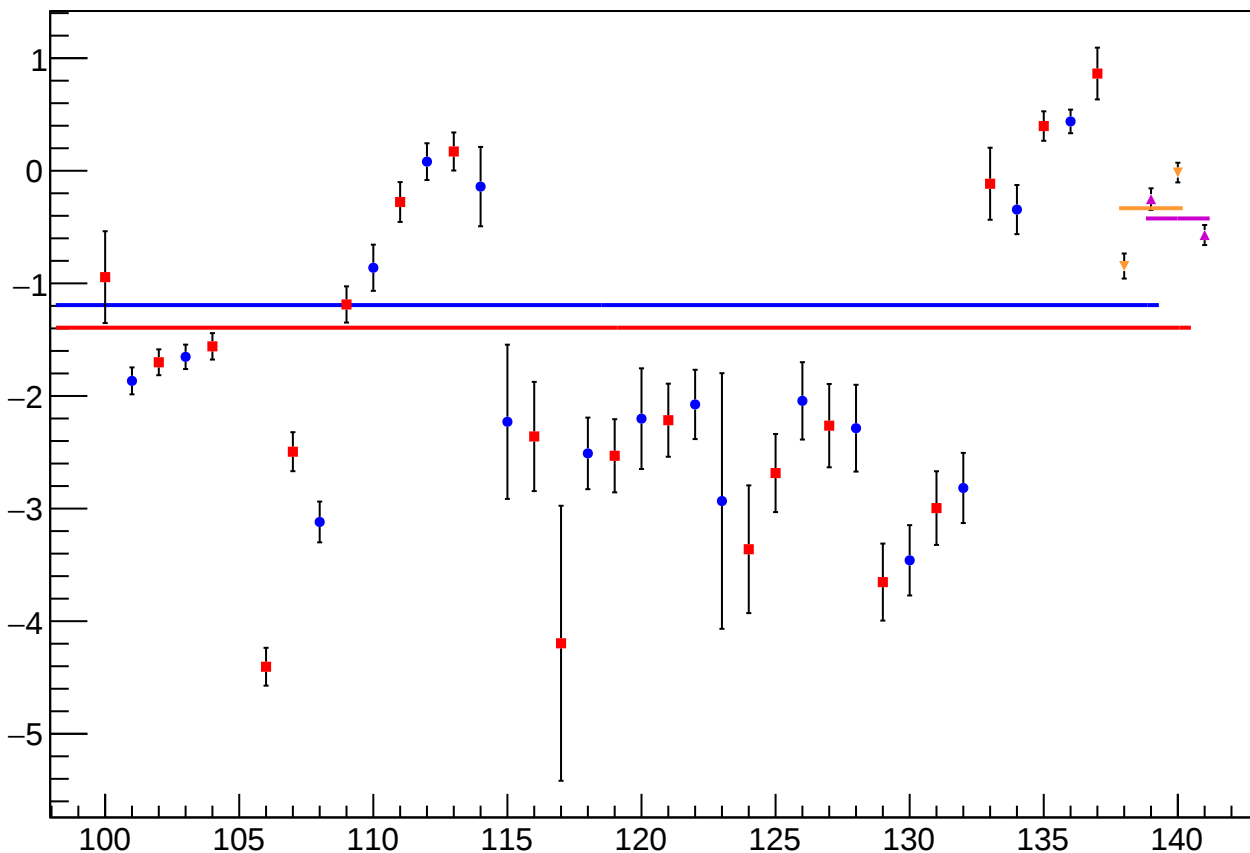
Right Out: 178.092 $\pm$ 0.923 χ^2 /NDF: 6349.2/19

Left In: 201.382 $\pm$ 1.646 χ^2 /NDF:184.9/1

189.875 $\pm$ 0.758 χ^2 /NDF: 5688.0/18

183.664 $\pm$ 0.805 χ^2 /NDF: 6686.5/21

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.333 ± 0.069 χ^2/NDF : 34.5/1

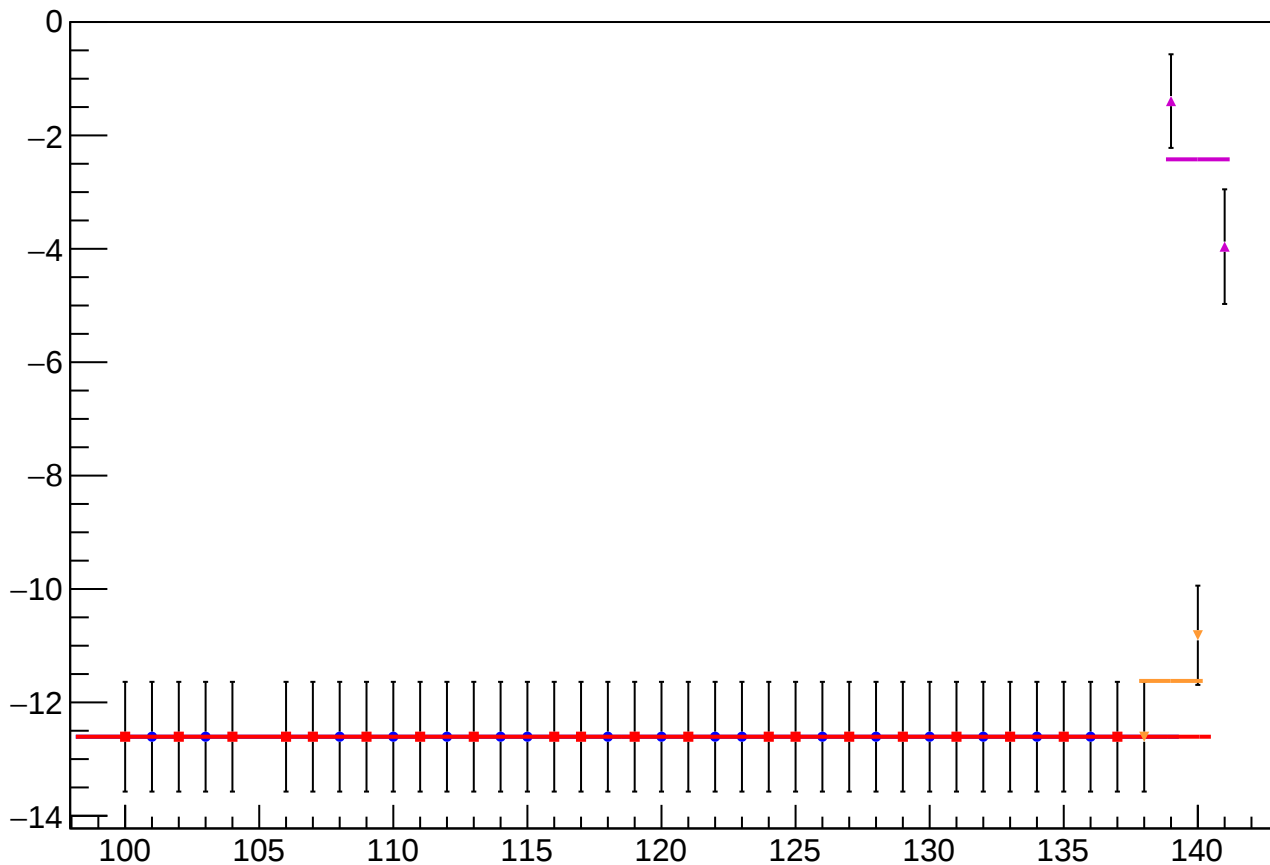
Right Out: -1.393 ± 0.046 χ^2/NDF : 925.8/19

Left In: -0.424 ± 0.065 χ^2/NDF : 5.9/1

-0.909 ± 0.039 χ^2/NDF : 761.3/18

-1.073 ± 0.037 χ^2/NDF : 1079.8/21

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -12.605 $\pm$ 0.235 χ^2 /NDF: 0.0/16

Left Out: -11.621 $\pm$ 0.649 χ^2 /NDF: 1.9/1

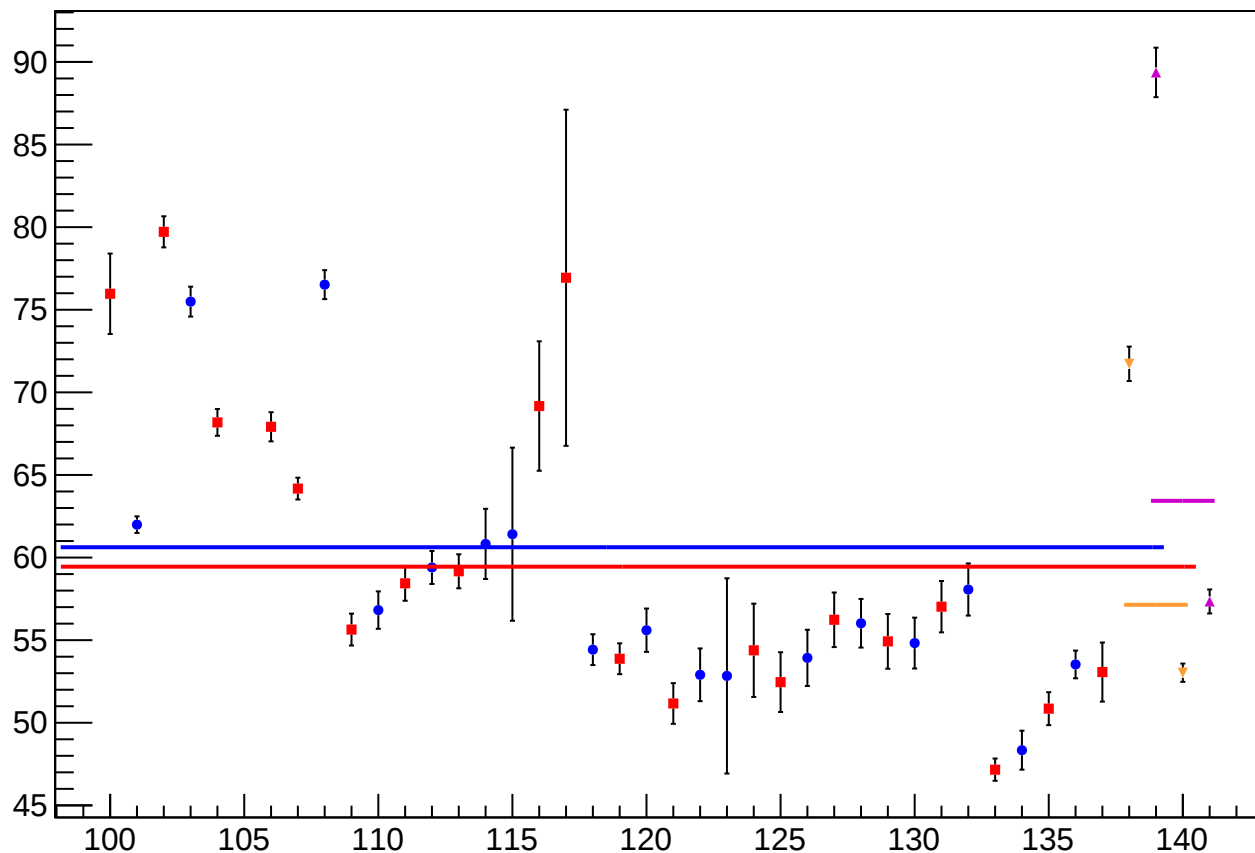
Right Out: -12.605 $\pm$ 0.216 χ^2 /NDF: 0.0/19

Left In: -2.422 $\pm$ 0.640 χ^2 /NDF: 3.9/1

-12.491 $\pm$ 0.221 χ^2 /NDF: 3.9/18

-11.559 $\pm$ 0.205 χ^2 /NDF: 231.3/21

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 ± 0.263 χ^2/NDF : 924.6/16

Left Out: 57.141 ± 0.488 χ^2/NDF : 251.5/1

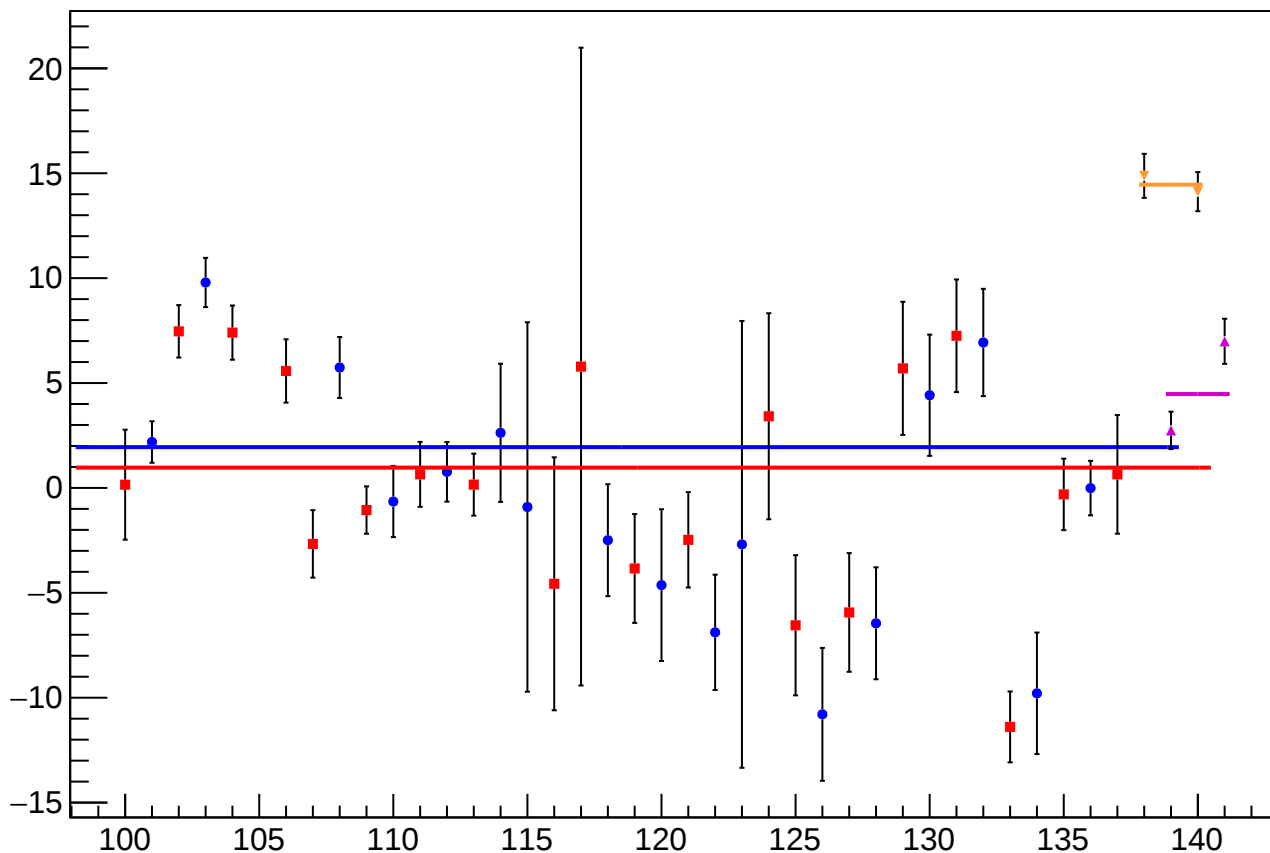
Right Out: 59.448 ± 0.248 χ^2/NDF : 1326.3/19

Left In: 63.434 ± 0.653 χ^2/NDF : 370.0/1

59.841 ± 0.232 χ^2/NDF : 1215.5/18

59.949 ± 0.232 χ^2/NDF : 1728.8/21

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 14.455 ± 0.697 χ^2/NDF : 0.3/1

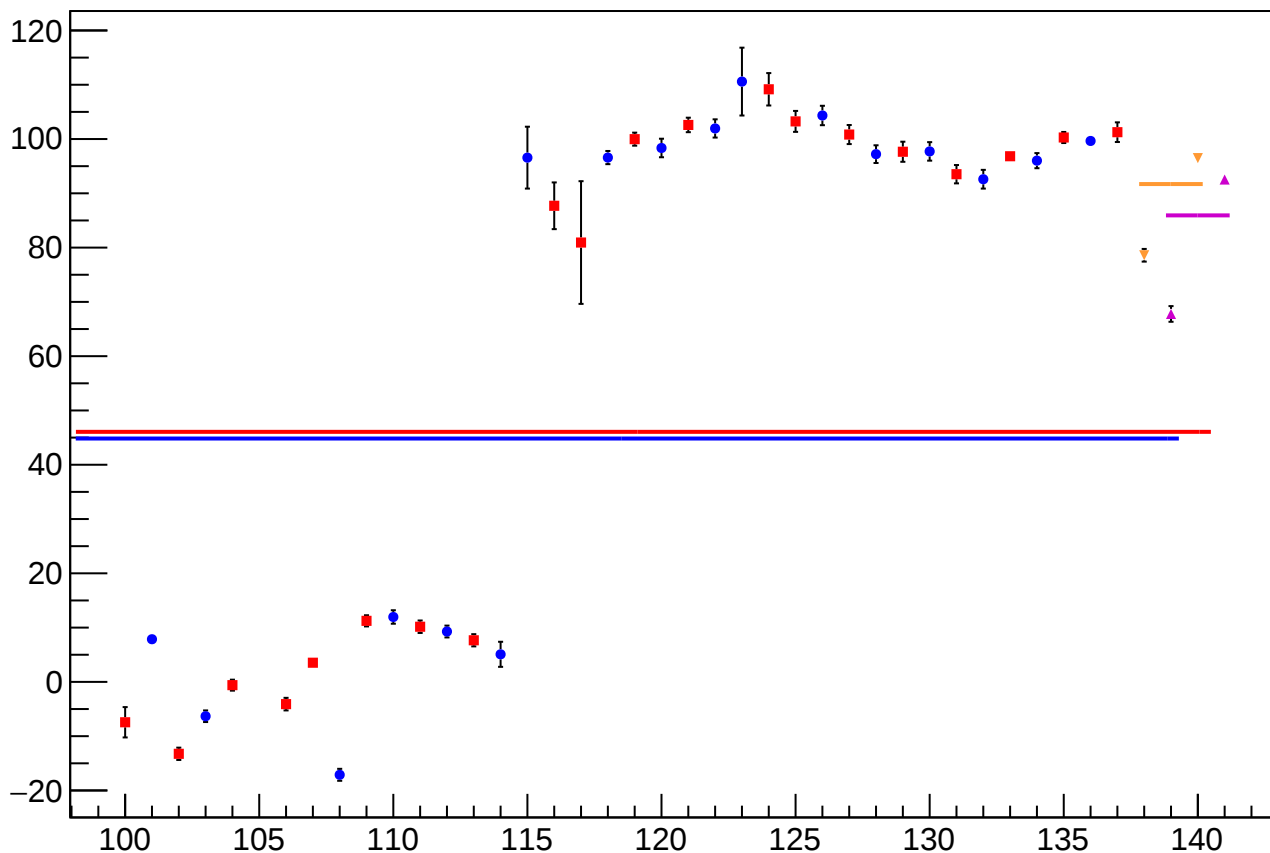
Right Out: 0.968 ± 0.424 χ^2/NDF : 149.6/19

Left In: 4.474 ± 0.687 χ^2/NDF : 9.2/1

5.726 ± 0.383 χ^2/NDF : 345.6/18

1.936 ± 0.361 χ^2/NDF : 177.7/21

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 91.707+/-0.604 χ^2/NDF :171.9/1

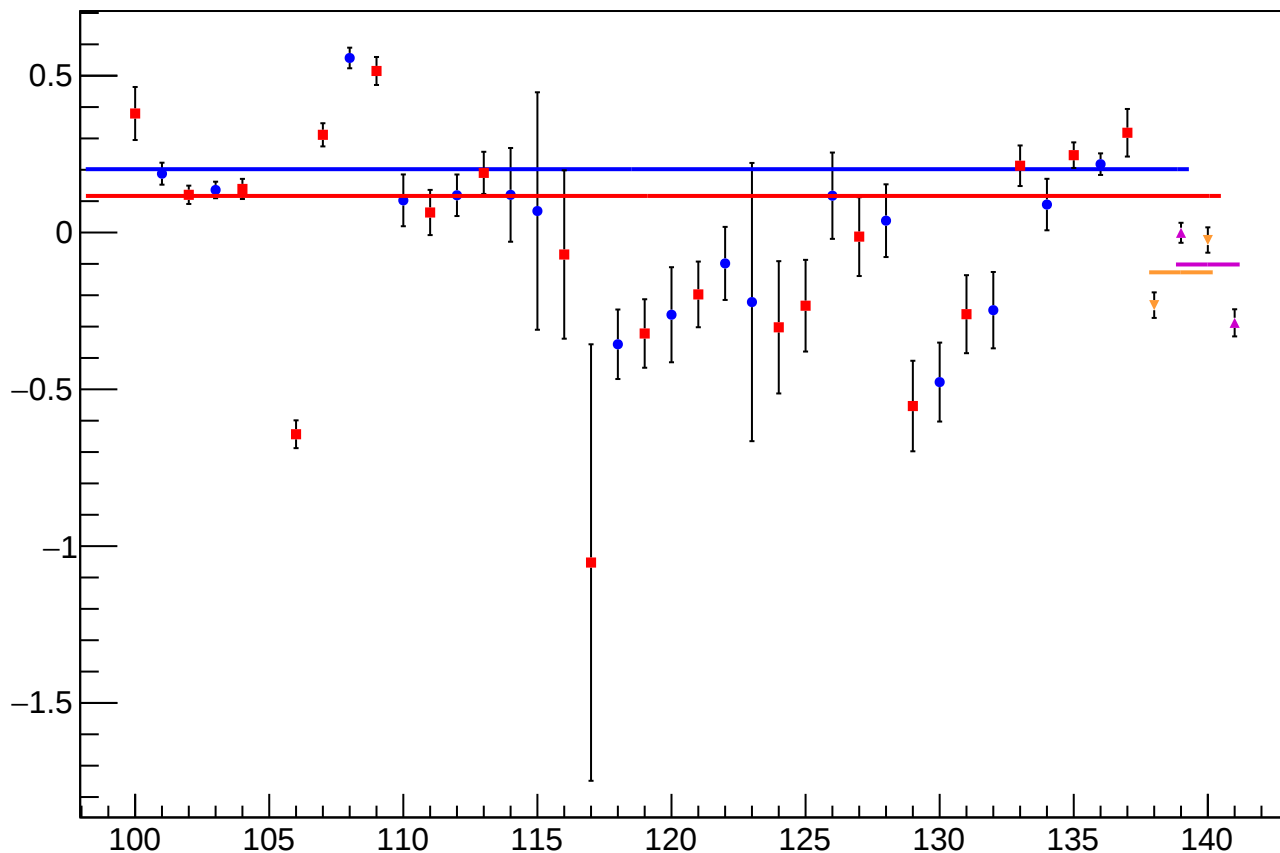
Right Out: 46.062+/-0.289 χ^2/NDF : 28272.9/19

Left In: 85.936+/-0.746 χ^2/NDF :215.8/1

54.337+/-0.272 χ^2/NDF : 29737.0/18

51.283+/-0.270 χ^2/NDF : 30974.7/21

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.127 ± 0.029 χ^2/NDF : 13.1/1

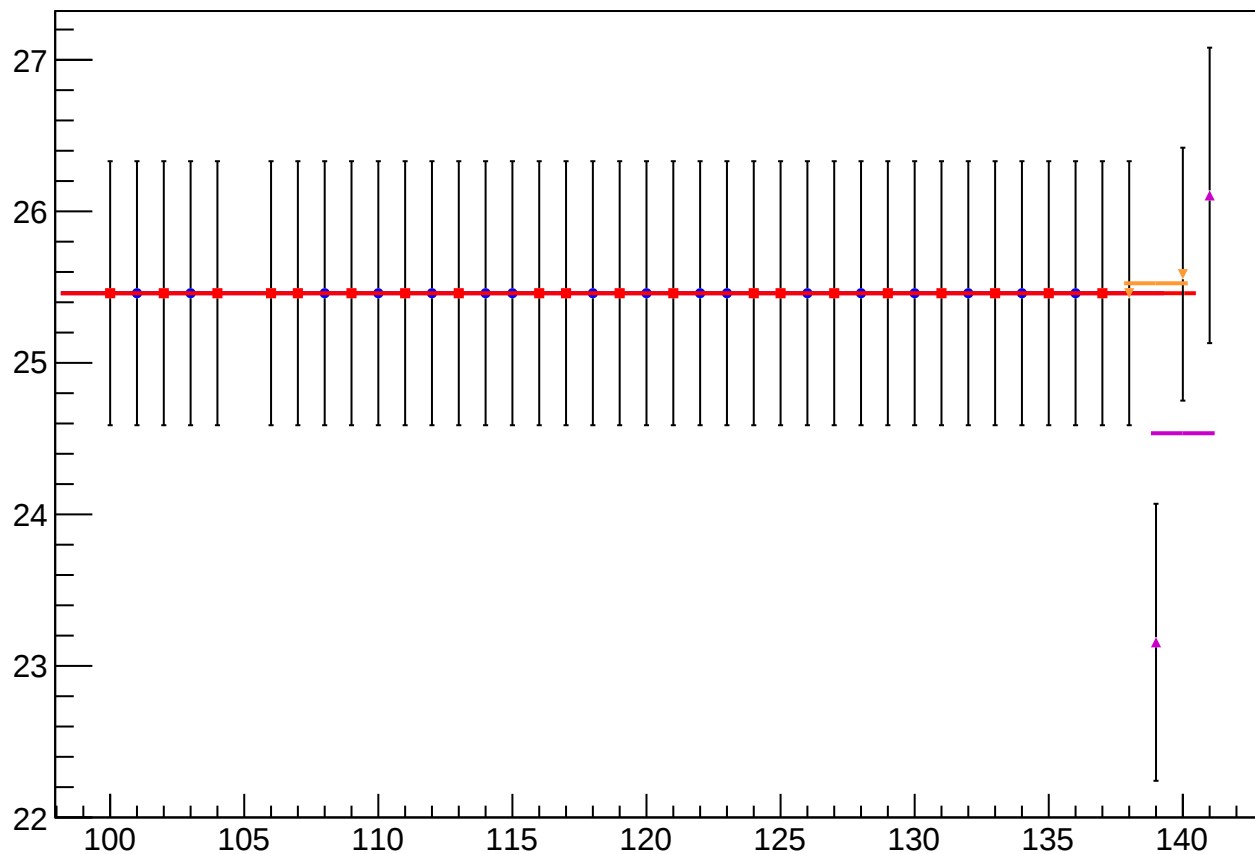
Right Out: 0.117 ± 0.013 χ^2/NDF : 502.5/19

Left In: -0.102 ± 0.026 χ^2/NDF : 28.5/1

0.138 ± 0.013 χ^2/NDF : 335.1/18

0.072 ± 0.012 χ^2/NDF : 588.7/21

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 25.460 $\pm$ 0.211 χ^2 /NDF: 0.0/16

Left Out: 25.525 $\pm$ 0.603 χ^2 /NDF: 0.0/1

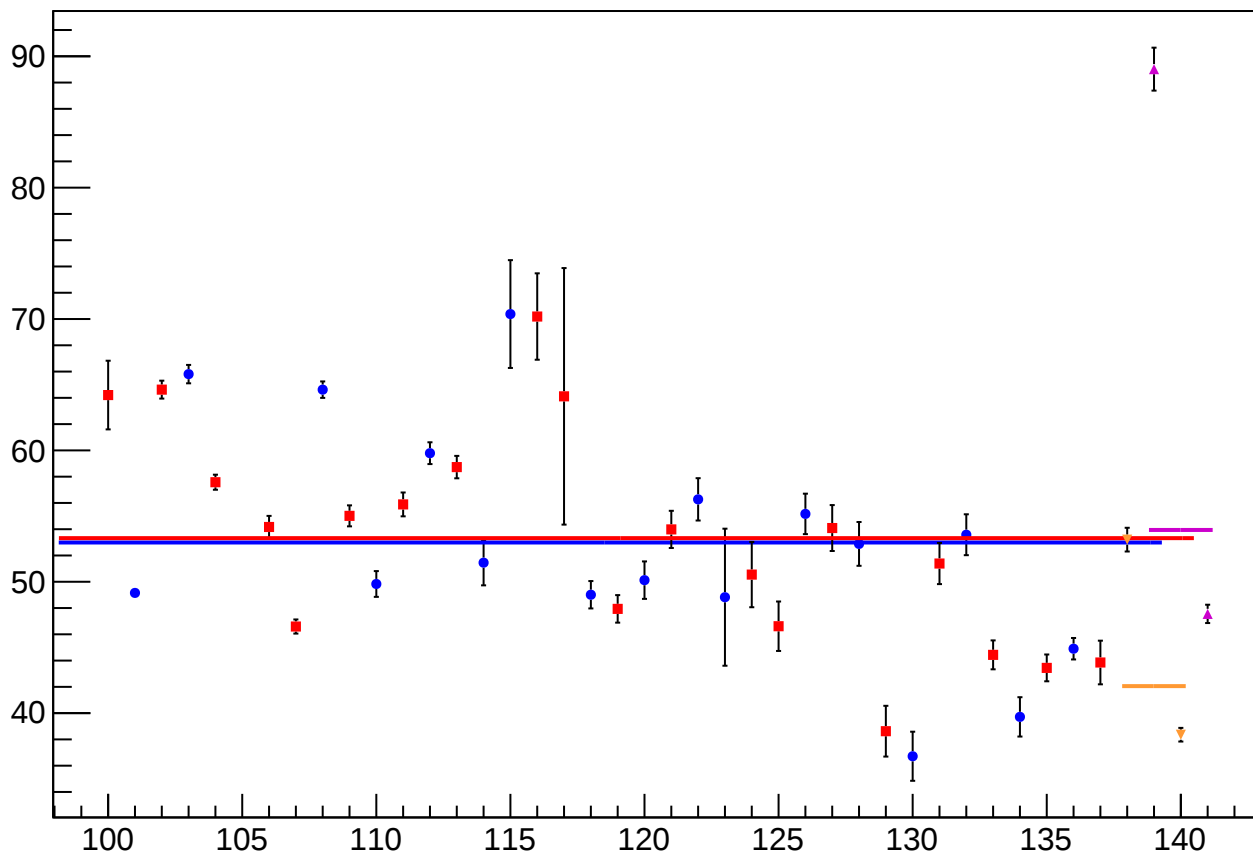
Right Out: 25.460 $\pm$ 0.195 χ^2 /NDF: 0.0/19

Left In: 24.536 $\pm$ 0.667 χ^2 /NDF: 4.9/1

25.467 $\pm$ 0.199 χ^2 /NDF: 0.0/18

25.387 $\pm$ 0.187 χ^2 /NDF: 6.6/21

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 42.056 $\pm$ 0.451 χ^2 /NDF:203.1/1

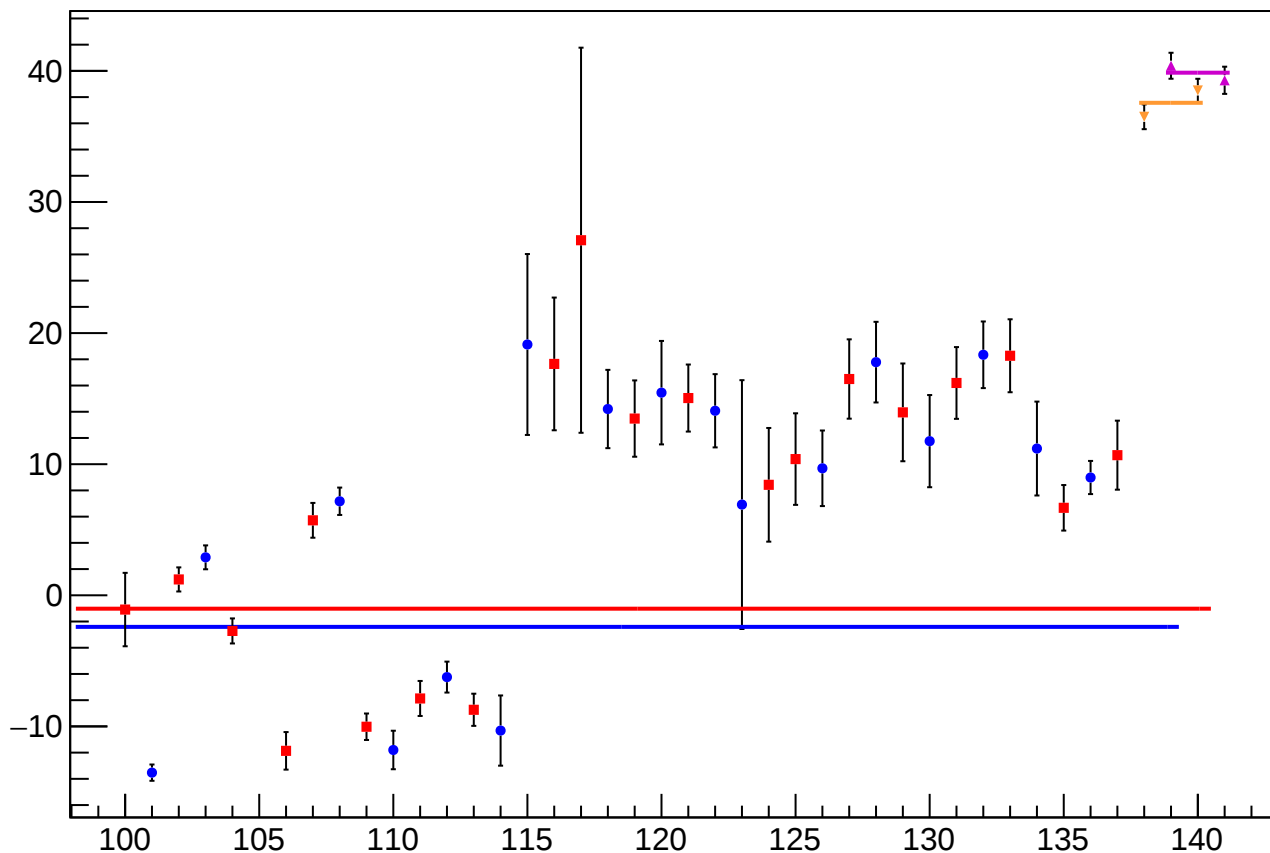
Right Out: 53.320 $\pm$ 0.227 χ^2 /NDF: 876.8/19

Left In: 53.943 $\pm$ 0.642 χ^2 /NDF:544.4/1

51.025 $\pm$ 0.191 χ^2 /NDF: 1884.1/18

53.390 $\pm$ 0.214 χ^2 /NDF: 1422.0/21

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 37.565 ± 0.647 χ^2/NDF : 2.4/1

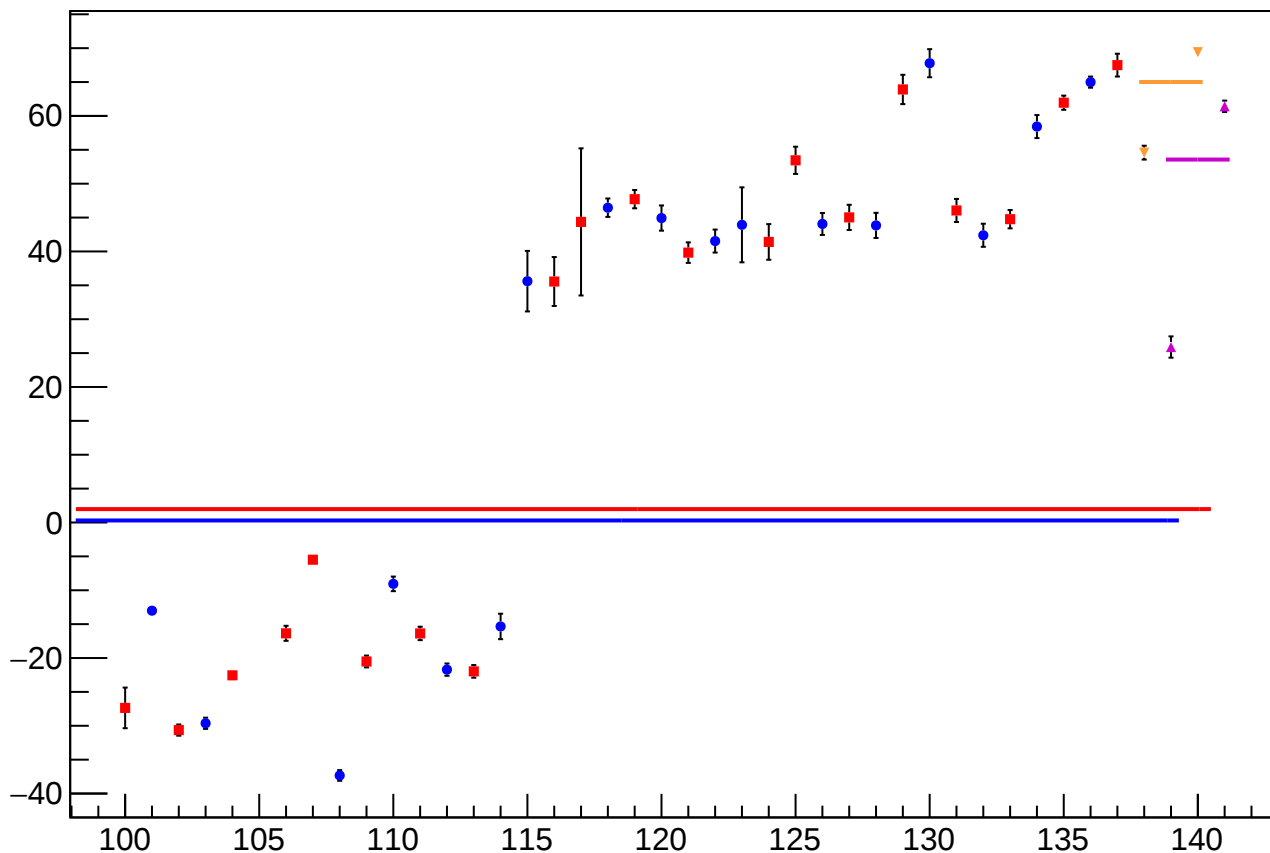
Right Out: -1.021 ± 0.377 χ^2/NDF : 511.2/19

Left In: 39.862 ± 0.716 χ^2/NDF : 0.6/1

7.206 ± 0.317 χ^2/NDF : 3732.7/18

7.845 ± 0.334 χ^2/NDF : 3063.1/21

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 65.011 ± 0.558 χ^2/NDF : 147.5/1

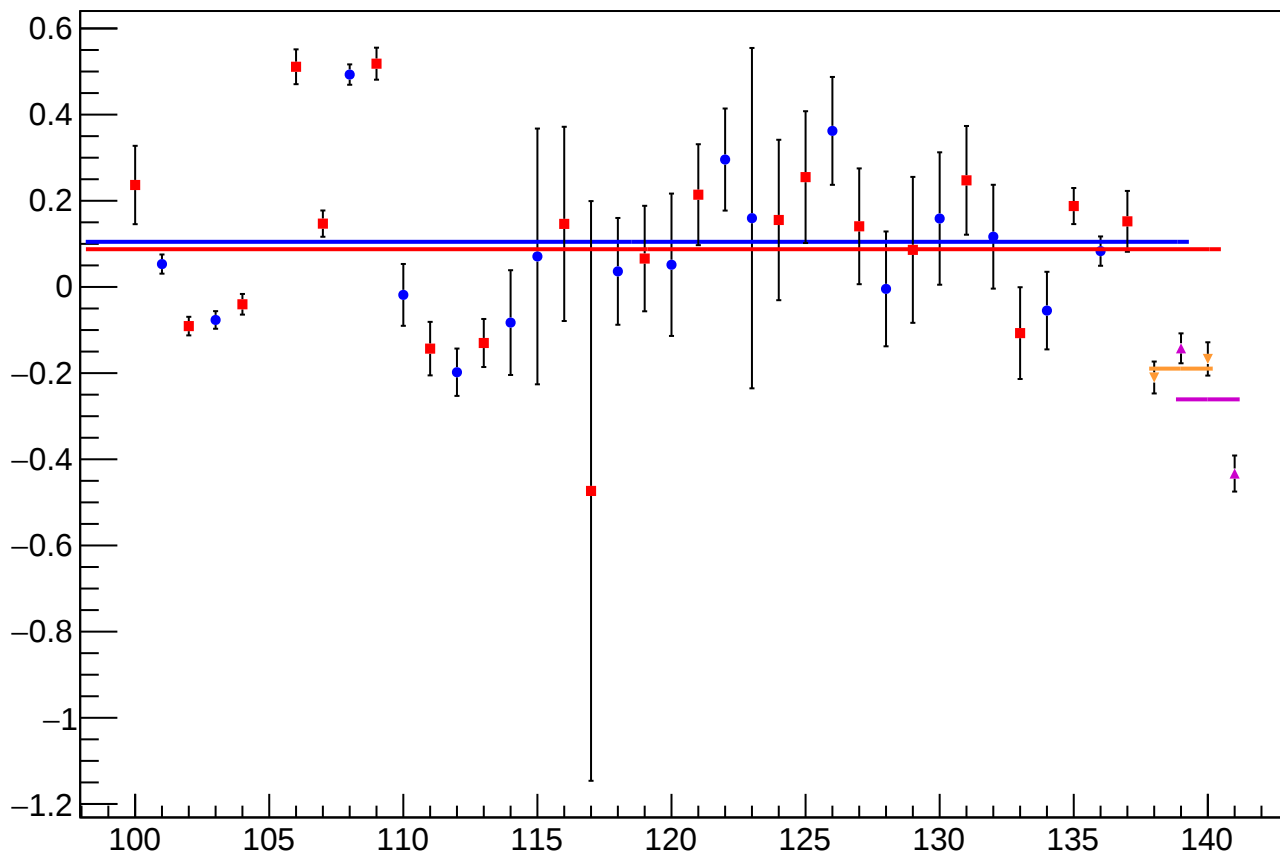
Right Out: 1.978 ± 0.267 χ^2/NDF : 15465.9/19

Left In: 53.561 ± 0.740 χ^2/NDF : 397.5/1

10.945 ± 0.226 χ^2/NDF : 29659.2/18

7.904 ± 0.251 χ^2/NDF : 20166.2/21

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.190 ± 0.027 χ^2/NDF : 0.6/1

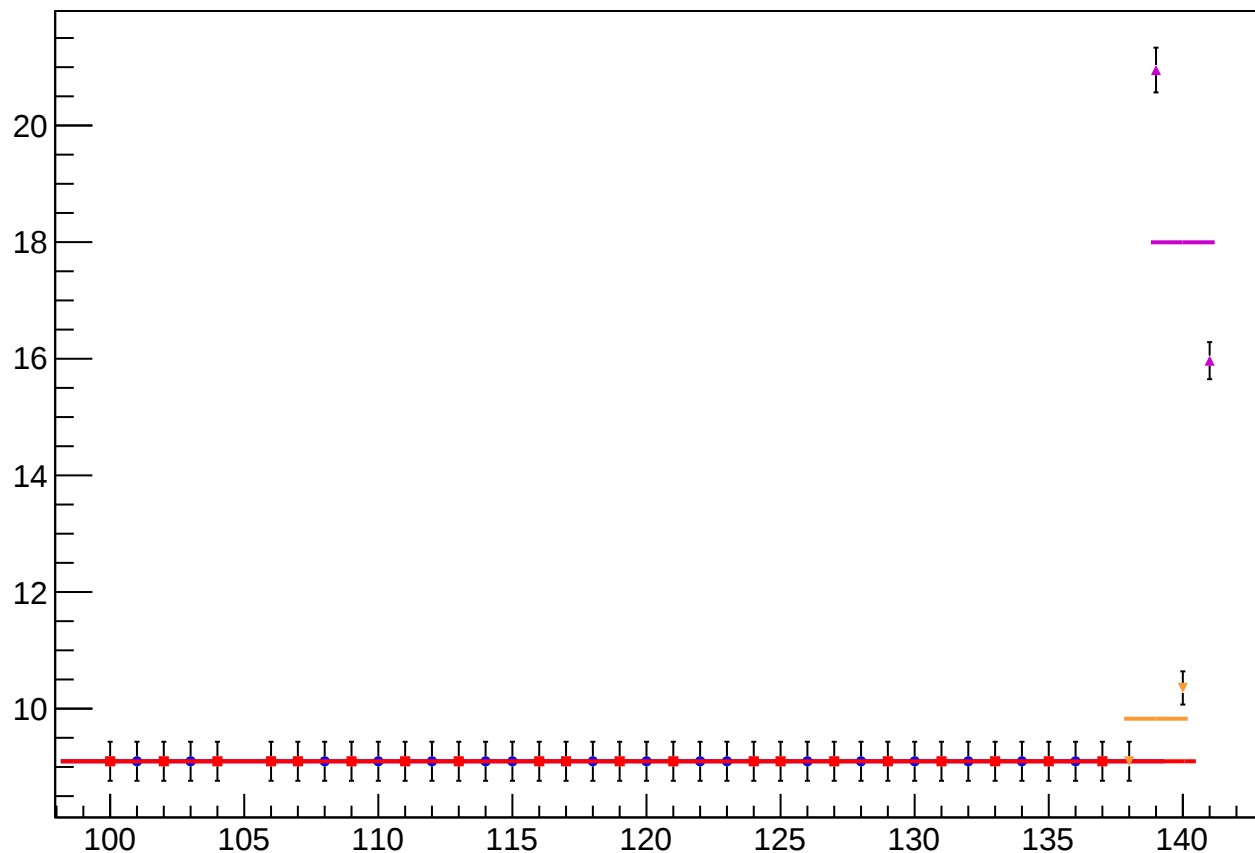
Right Out: 0.088 ± 0.011 χ^2/NDF : 391.6/19

Left In: -0.261 ± 0.027 χ^2/NDF : 28.6/1

0.062 ± 0.010 χ^2/NDF : 504.9/18

0.037 ± 0.010 χ^2/NDF : 565.5/21

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 9.097 $\pm$ 0.081 χ^2 /NDF: 0.0/16

Left Out: 9.827 $\pm$ 0.217 χ^2 /NDF:8.2/1

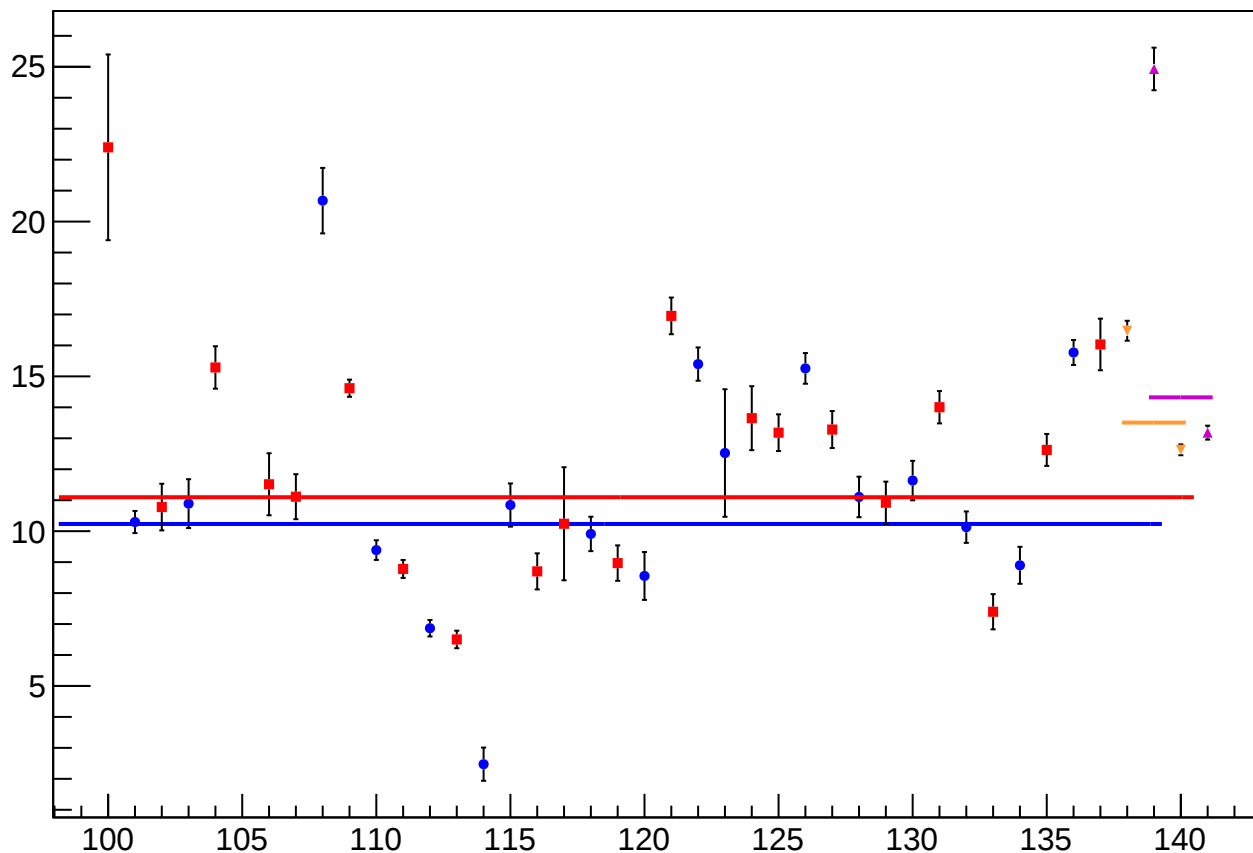
Right Out: 9.097 $\pm$ 0.075 χ^2 /NDF: 0.0/19

Left In: 17.996 $\pm$ 0.245 χ^2 /NDF:100.0/1

9.187 $\pm$ 0.076 χ^2 /NDF: 18.1/18

9.858 $\pm$ 0.072 χ^2 /NDF: 1308.7/21

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 13.507 $\pm$ 0.154 χ^2 /NDF:110.3/1

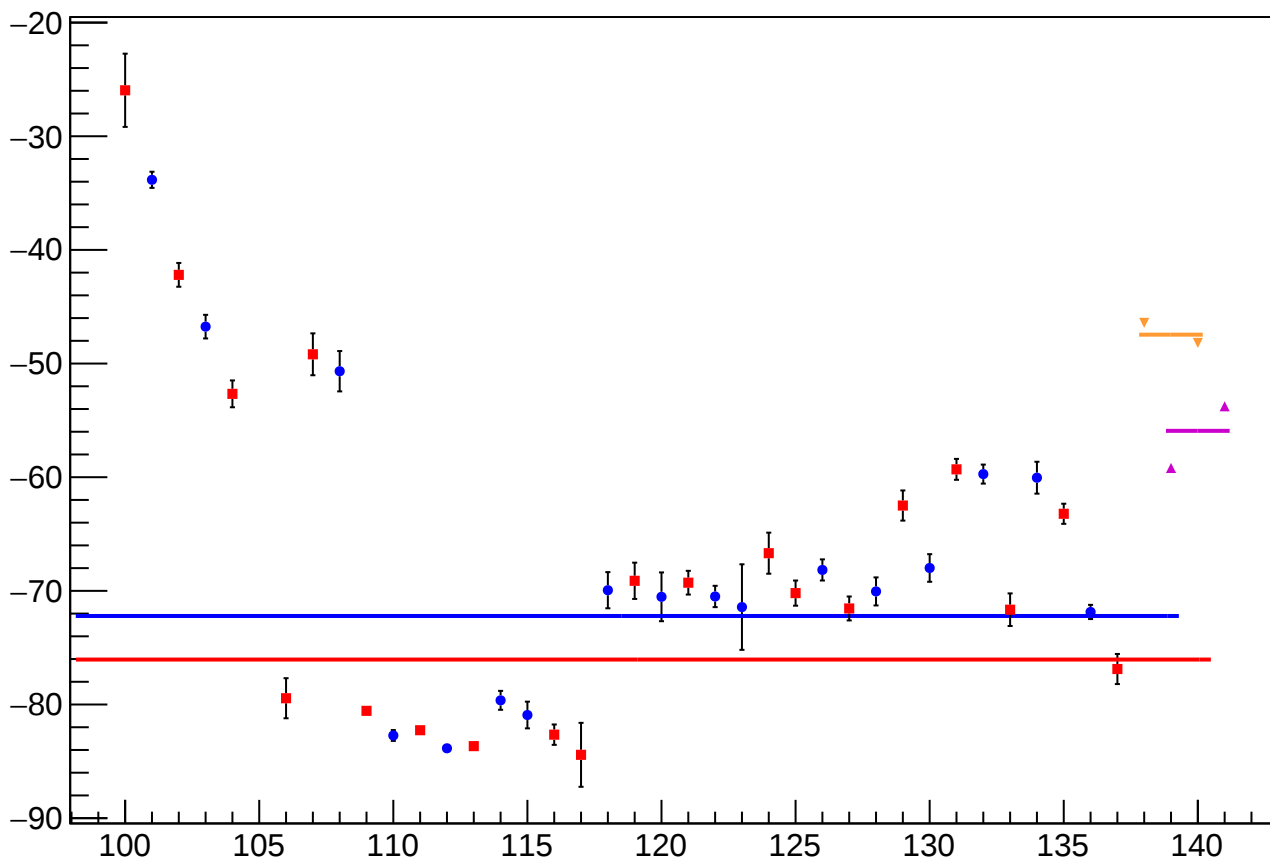
Right Out: 11.096 $\pm$ 0.116 χ^2 /NDF: 818.0/19

Left In: 14.322 $\pm$ 0.214 χ^2 /NDF:263.6/1

11.464 $\pm$ 0.094 χ^2 /NDF: 1270.1/18

11.830 $\pm$ 0.102 χ^2 /NDF: 1257.0/21

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 $\pm$ 0.198 χ^2 /NDF: 5566.2/16

Left Out: -47.459 $\pm$ 0.233 χ^2 /NDF:14.0/1

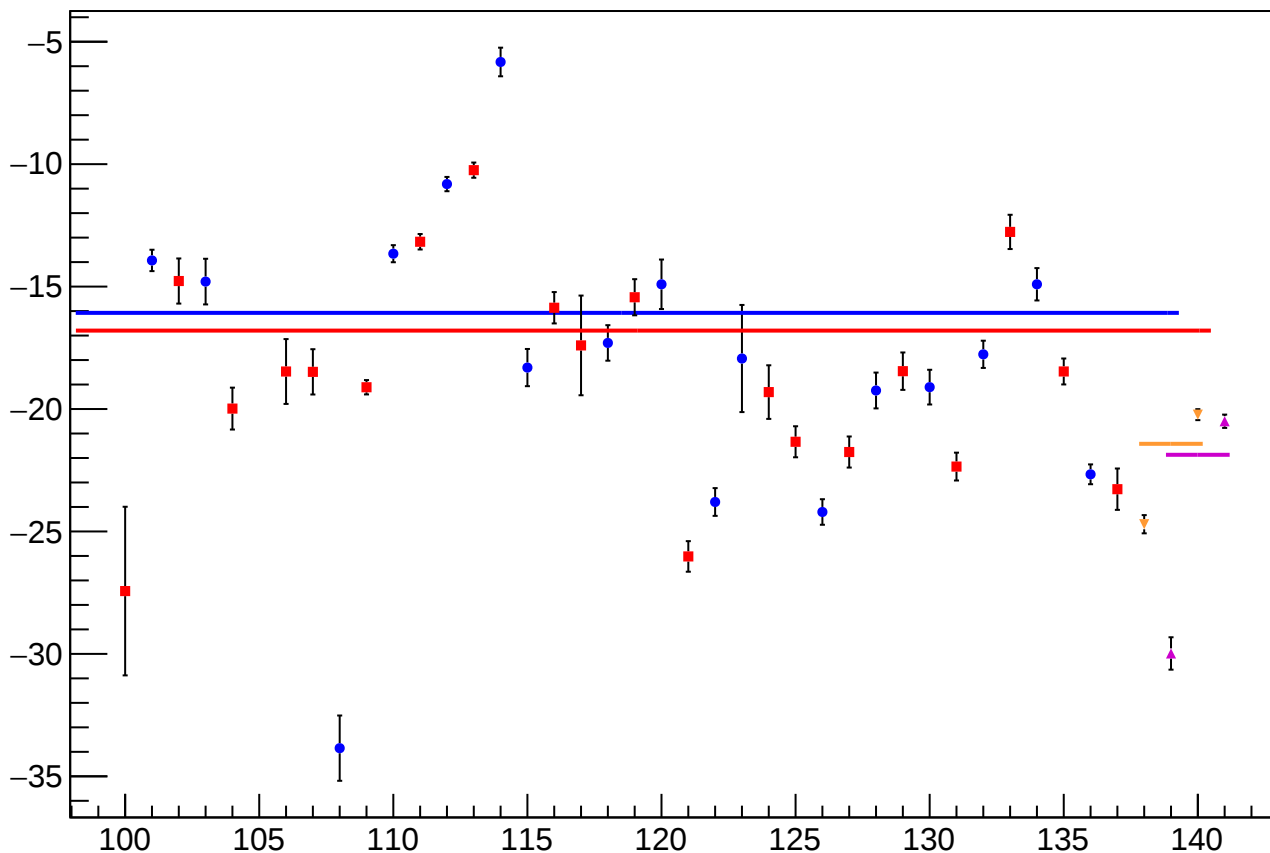
Right Out: -76.044 $\pm$ 0.181 χ^2 /NDF: 3472.2/19

Left In: -55.920 $\pm$ 0.262 χ^2 /NDF:102.5/1

-61.808 $\pm$ 0.151 χ^2 /NDF: 12149.1/18

-69.571 $\pm$ 0.149 χ^2 /NDF: 7567.9/21

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -21.421 ± 0.192 $\chi^2/\text{NDF}: 106.1/1$

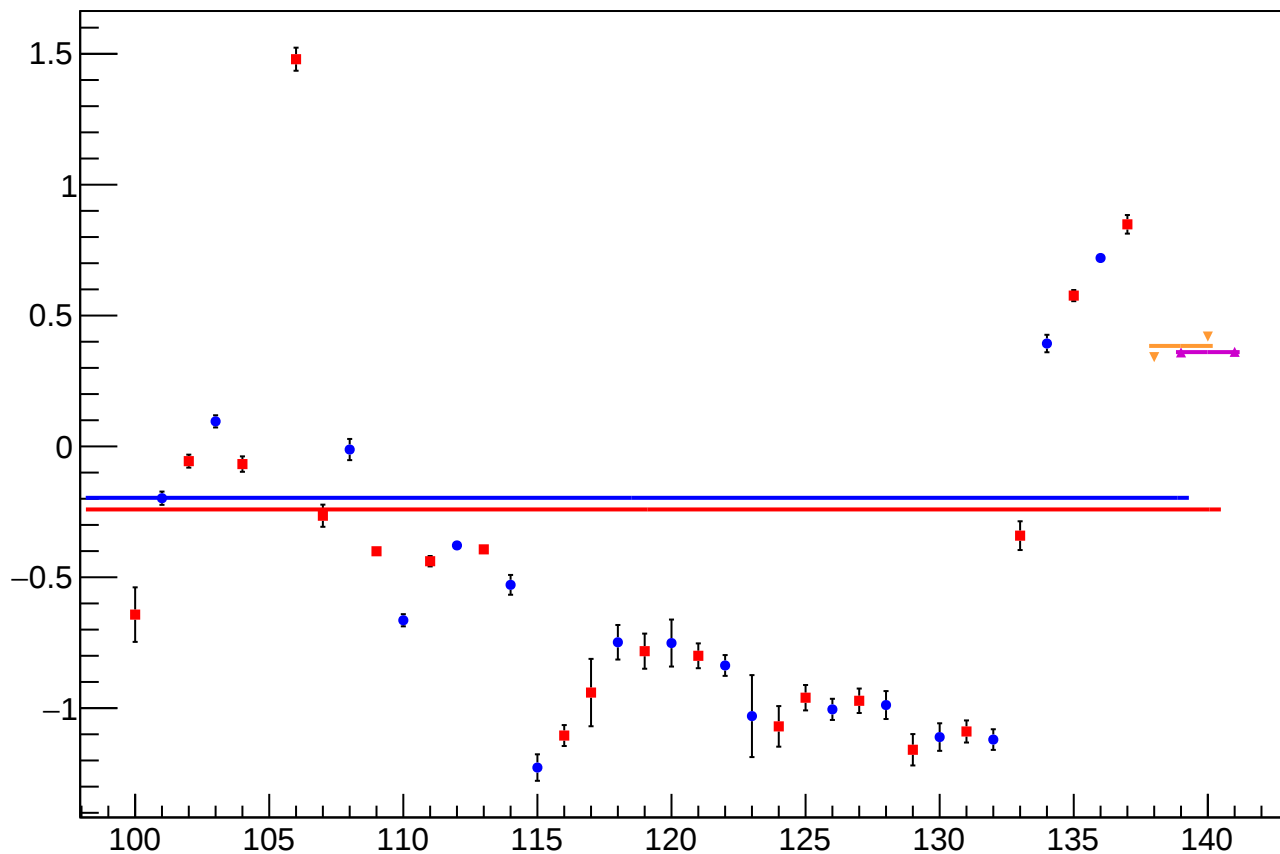
Right Out: -16.797 ± 0.128 $\chi^2/\text{NDF}: 1216.1/19$

Left In: -21.869 ± 0.251 $\chi^2/\text{NDF}: 175.8/1$

-17.798 ± 0.109 $\chi^2/\text{NDF}: 2272.0/18$

-17.840 ± 0.114 $\chi^2/\text{NDF}: 1715.1/21$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.384 ± 0.010 χ^2/NDF : 16.2/1

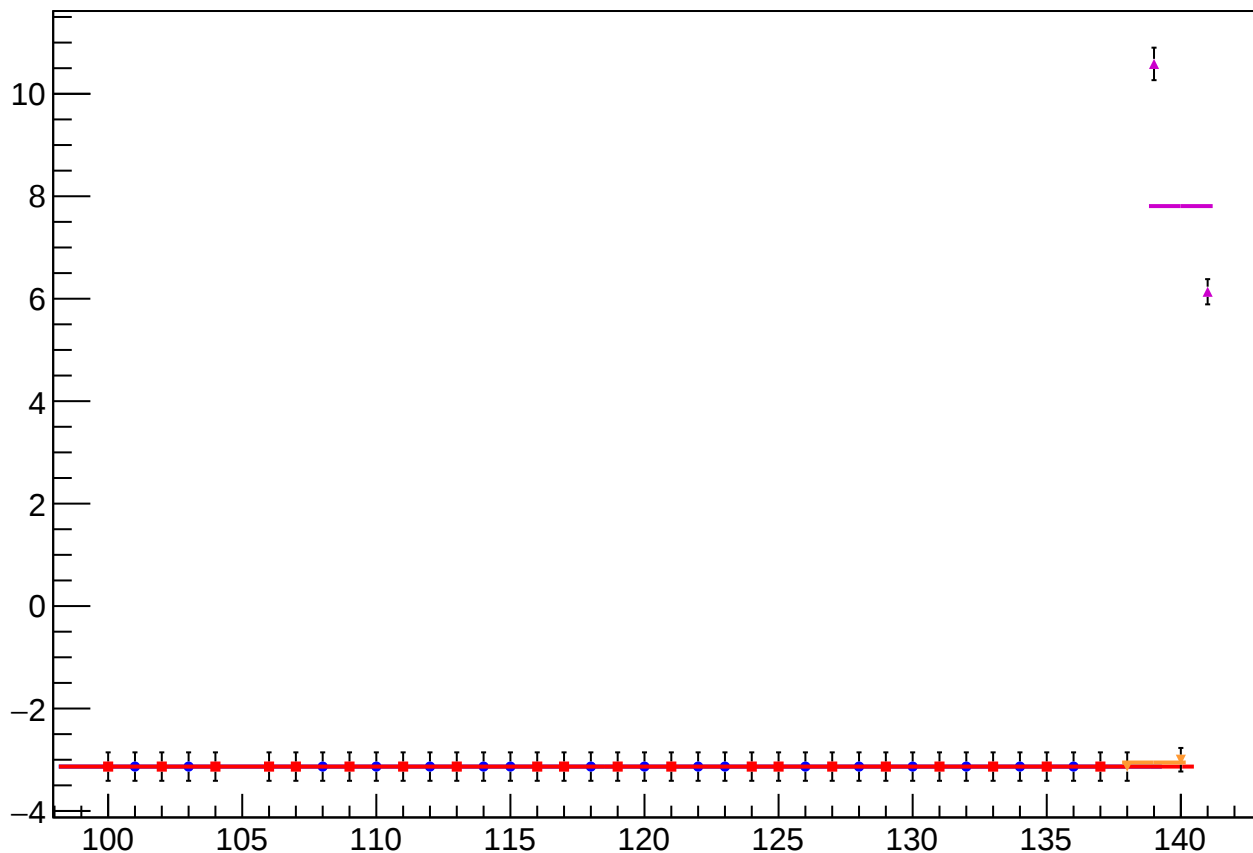
Right Out: -0.241 ± 0.007 χ^2/NDF : 6218.3/19

Left In: 0.360 ± 0.010 χ^2/NDF : 0.0/1

0.021 ± 0.006 χ^2/NDF : 8558.3/18

-0.036 ± 0.006 χ^2/NDF : 8614.1/21

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: -3.133+/-0.067 χ^2/NDF : 0.0/16

Left Out: -3.054+/-0.177 χ^2/NDF : 0.1/1

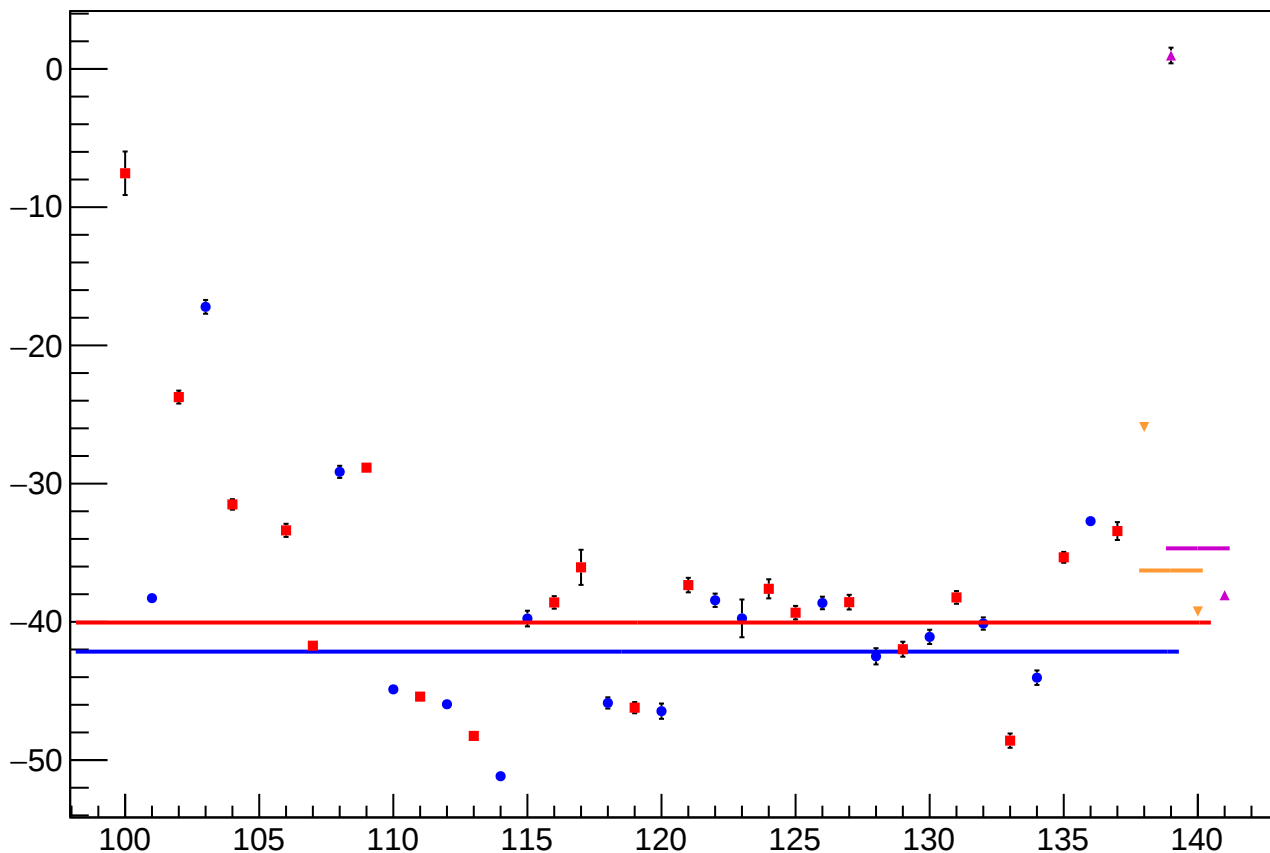
Right Out: -3.133+/-0.062 χ^2/NDF : 0.0/19

Left In: 7.808+/-0.194 χ^2/NDF : 122.7/1

-3.123+/-0.063 χ^2/NDF : 0.3/18

-2.122+/-0.059 χ^2/NDF : 2996.2/21

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 $\chi^2/\text{NDF}: 6557.8/16$

Left Out: -36.283 ± 0.127 $\chi^2/\text{NDF}: 1910.0/1$

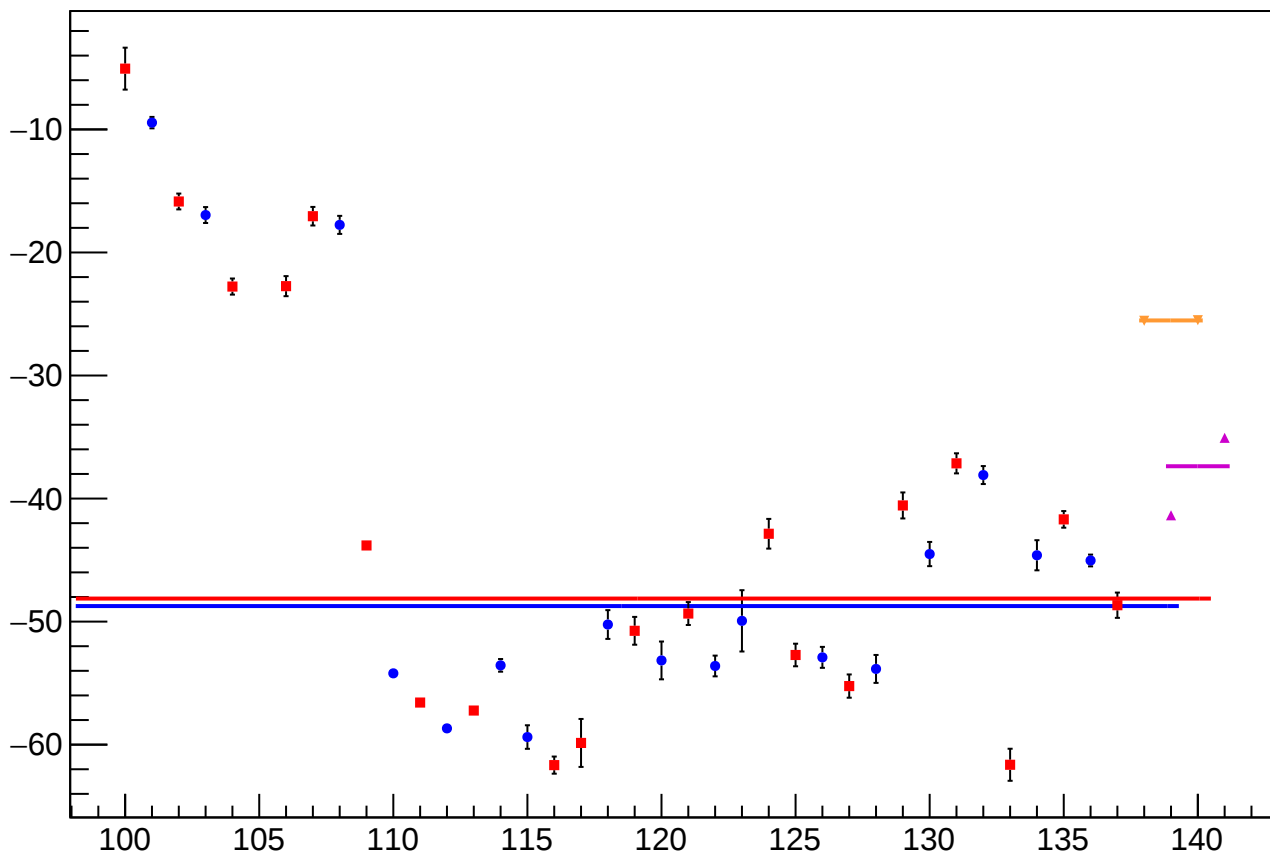
Right Out: -40.049 ± 0.073 $\chi^2/\text{NDF}: 11332.1/19$

Left In: -34.683 ± 0.167 $\chi^2/\text{NDF}: 4333.2/1$

-40.543 ± 0.066 $\chi^2/\text{NDF}: 10020.1/18$

-39.195 ± 0.067 $\chi^2/\text{NDF}: 16533.2/21$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -25.524 ± 0.190 $\chi^2/\text{NDF}: 0.0/1$

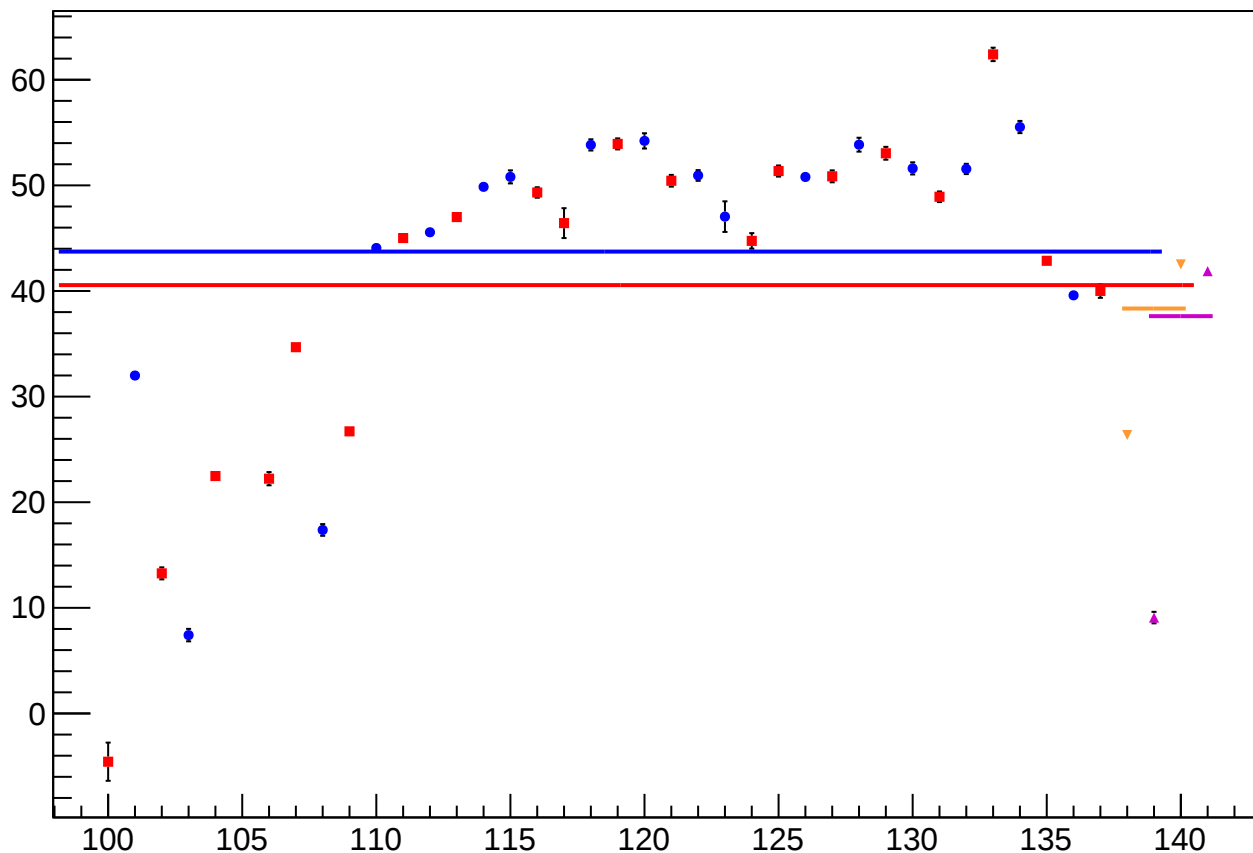
Right Out: -48.127 ± 0.107 $\chi^2/\text{NDF}: 11769.6/19$

Left In: -37.373 ± 0.208 $\chi^2/\text{NDF}: 212.3/1$

-41.751 ± 0.104 $\chi^2/\text{NDF}: 25110.8/18$

-45.879 ± 0.095 $\chi^2/\text{NDF}: 14090.5/21$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731+/-0.087 χ^2/NDF : 10567.7/16

Left Out: 38.340+/-0.158 χ^2/NDF : 2002.8/1

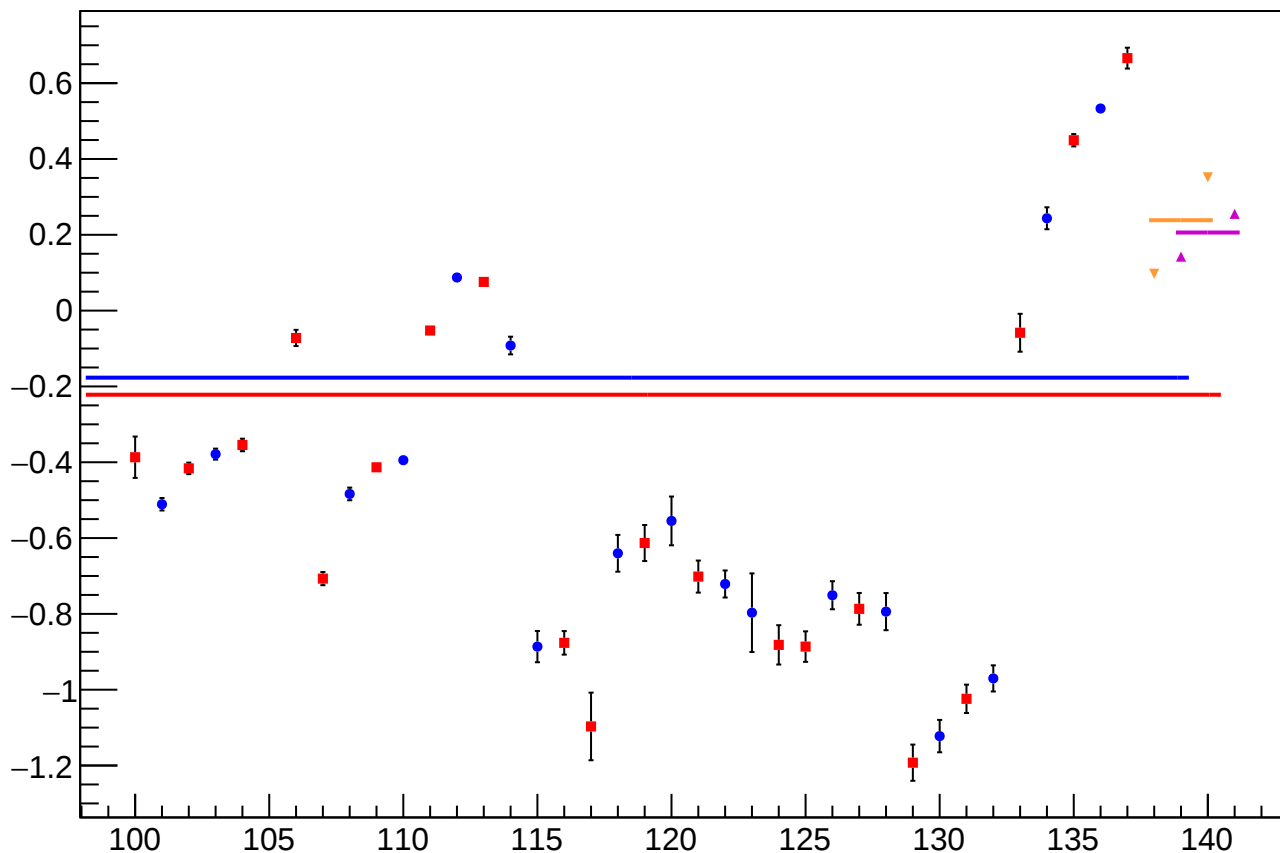
Right Out: 40.556+/-0.080 χ^2/NDF : 17618.6/19

Left In: 37.617+/-0.196 χ^2/NDF : 3148.5/1

42.481+/-0.076 χ^2/NDF : 13464.0/18

40.138+/-0.074 χ^2/NDF : 20959.0/21

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177±/0.005 χ^2/NDF : 7364.7/16

Left Out: 0.239±/0.008 χ^2/NDF :251.8/1

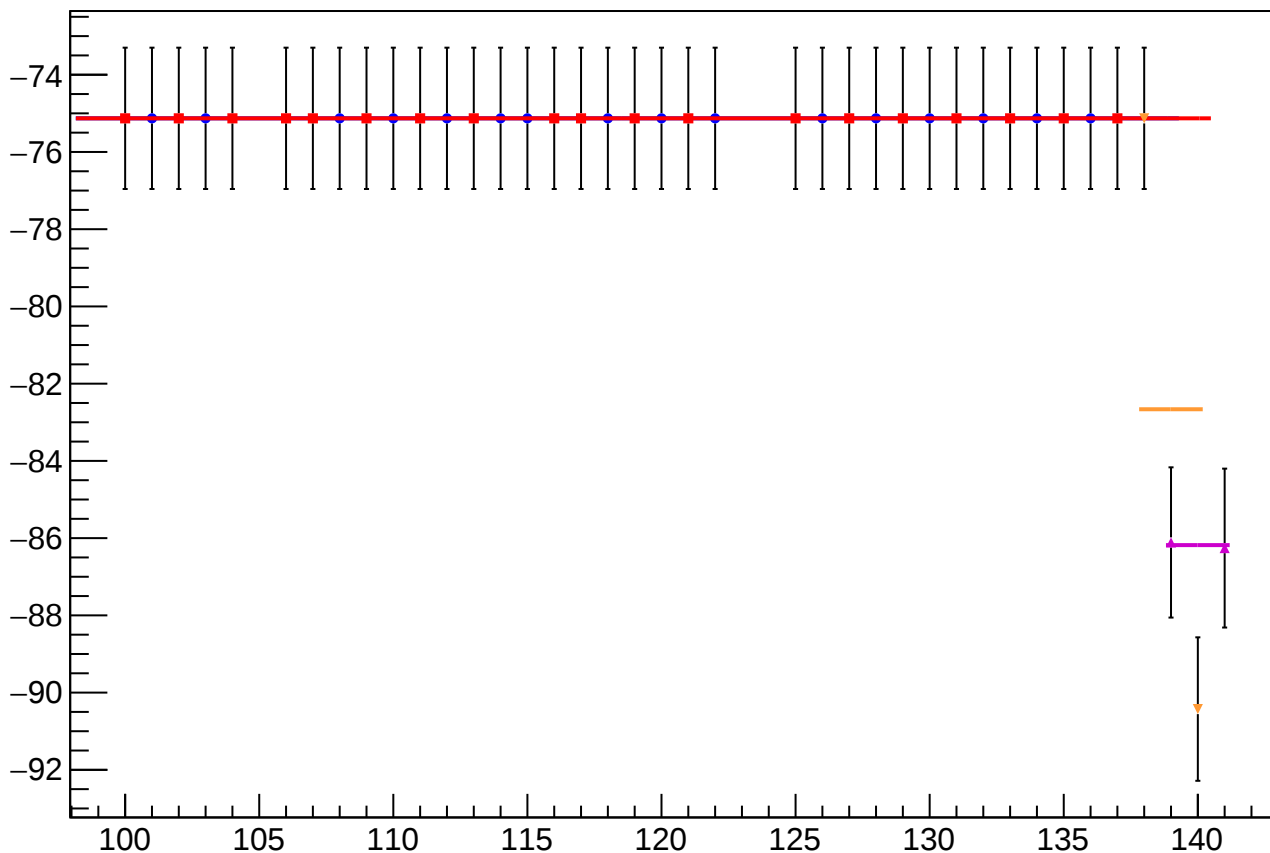
Right Out: -0.222±/0.004 χ^2/NDF : 7527.0/19

Left In: 0.206±/0.008 χ^2/NDF :49.8/1

-0.065±/0.004 χ^2/NDF : 9602.5/18

-0.125±/0.004 χ^2/NDF : 9824.4/21

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -75.129 ± 0.457 $\chi^2/\text{NDF}: 0.0/15$

Left Out: -82.663 ± 1.304 $\chi^2/\text{NDF}: 34.4/1$

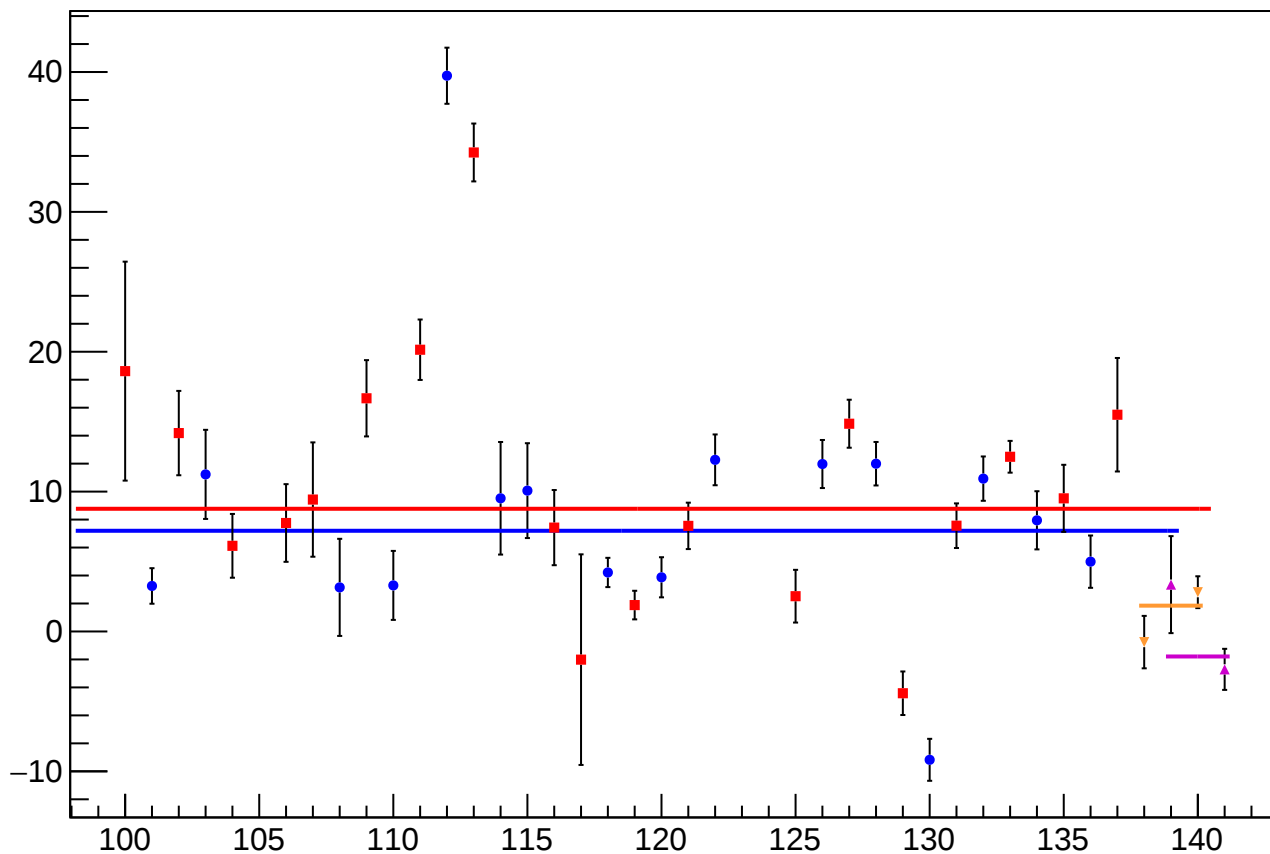
Right Out: -75.129 ± 0.420 $\chi^2/\text{NDF}: 0.0/18$

Left In: -86.181 ± 1.414 $\chi^2/\text{NDF}: 0.0/1$

-75.955 ± 0.432 $\chi^2/\text{NDF}: 64.2/17$

-76.025 ± 0.402 $\chi^2/\text{NDF}: 56.2/20$

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 1.846 ± 0.973 χ^2/NDF : 2.6/1

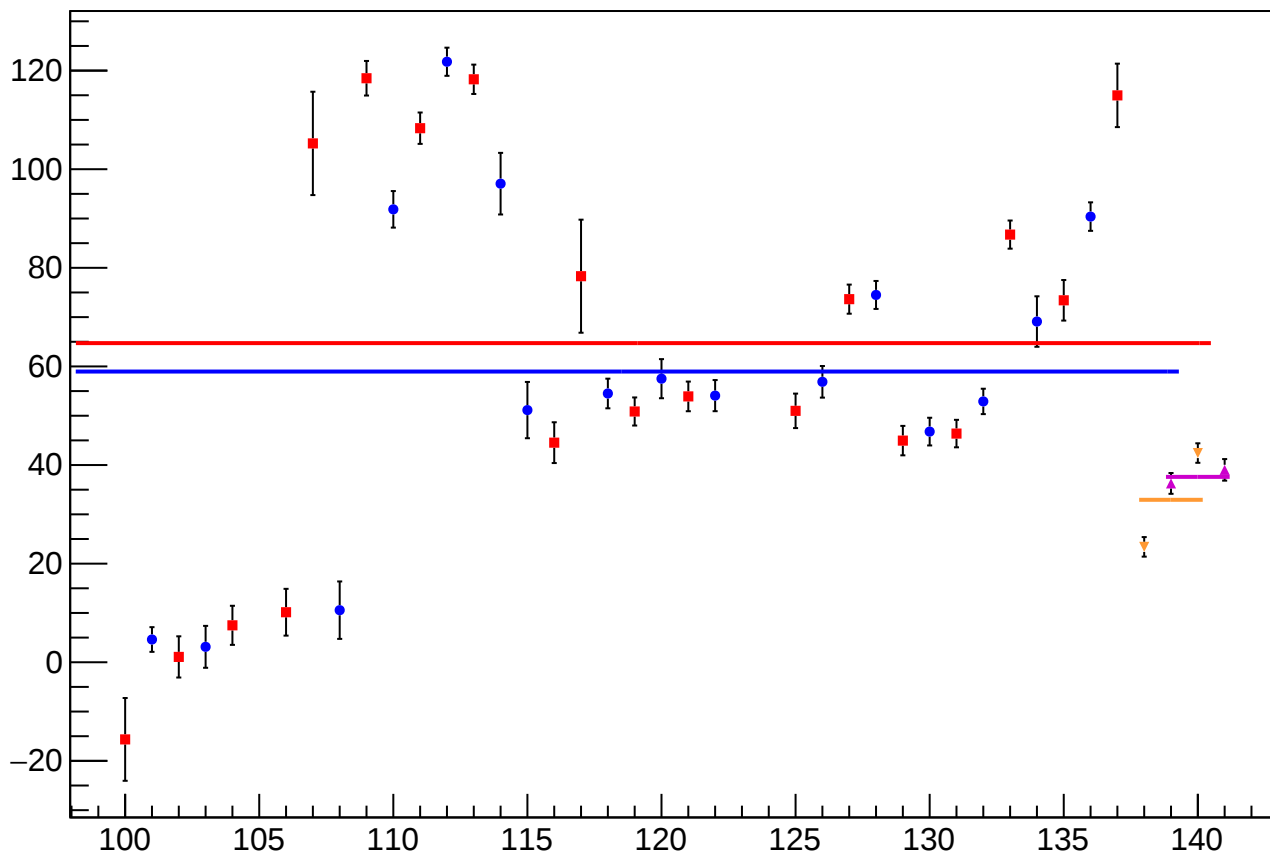
Right Out: 8.772 ± 0.447 χ^2/NDF : 351.7/18

Left In: -1.788 ± 1.352 χ^2/NDF : 2.6/1

6.292 ± 0.401 χ^2/NDF : 471.6/17

7.731 ± 0.424 χ^2/NDF : 409.3/20

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 32.949 $\pm$ 1.401 χ^2 /NDF:46.1/1

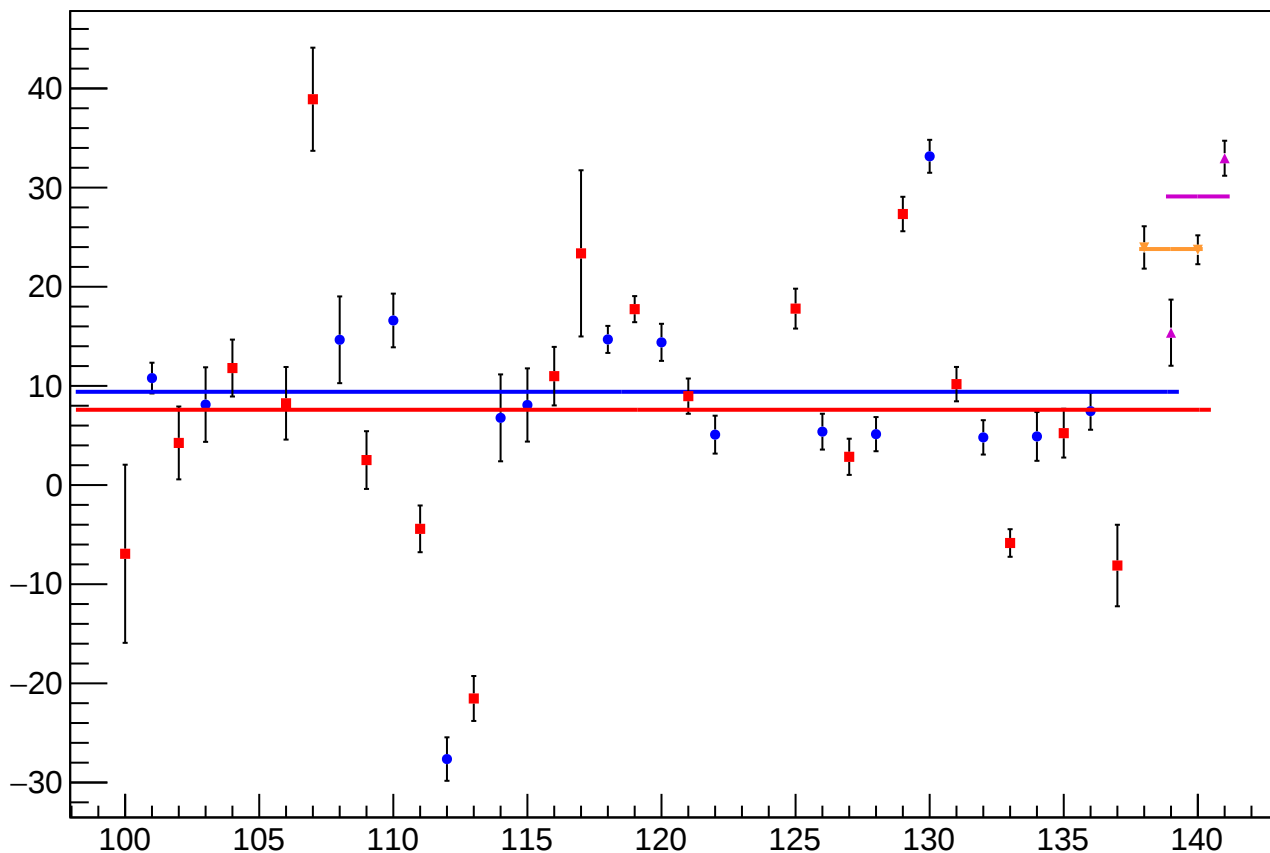
Right Out: 64.728 $\pm$ 0.838 χ^2 /NDF: 1723.2/18

Left In: 37.599 $\pm$ 1.519 χ^2 /NDF:0.8/1

52.118 $\pm$ 0.718 χ^2 /NDF: 1796.8/17

58.398 $\pm$ 0.734 χ^2 /NDF: 1968.7/20

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 $\pm$ 0.507 χ^2 /NDF: 549.5/15

Left Out: 23.804 $\pm$ 1.204 χ^2 /NDF: 0.0/1

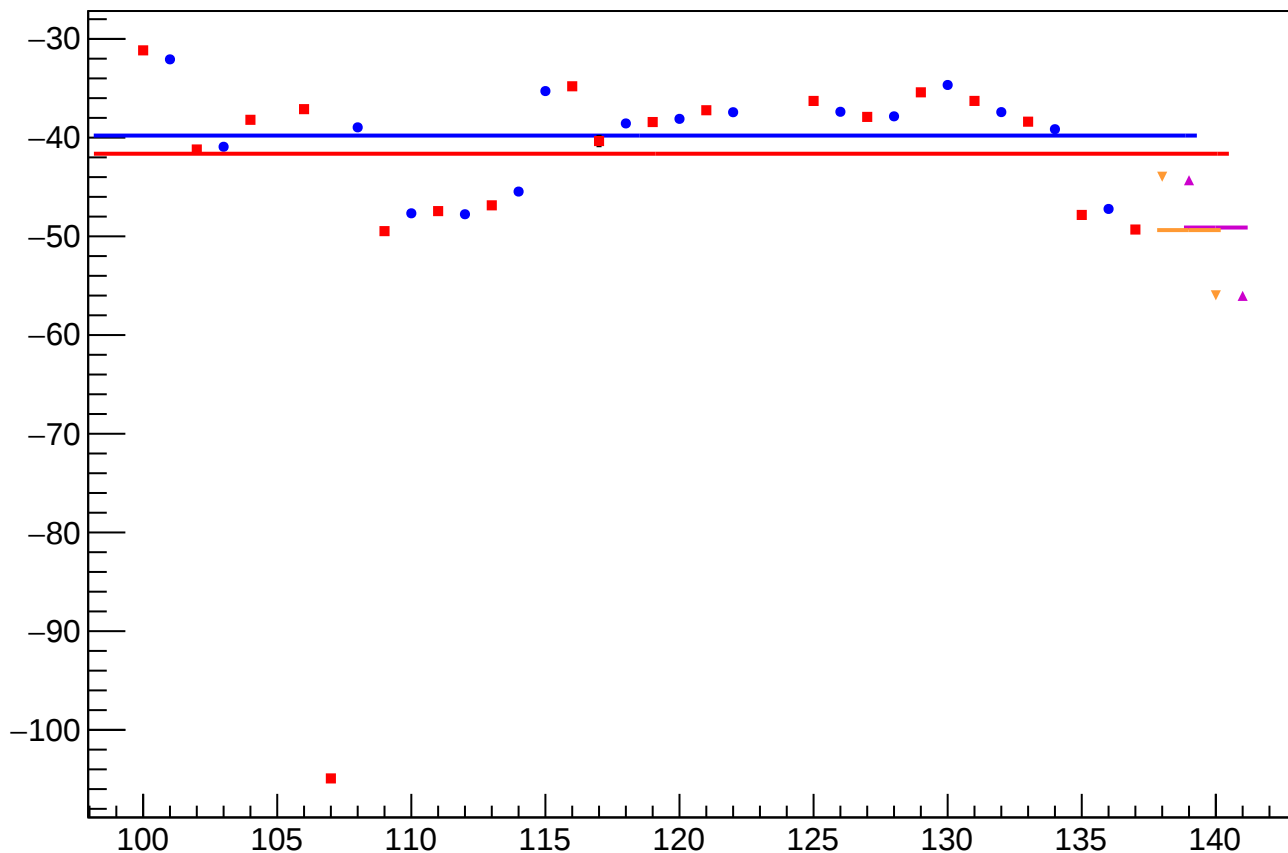
Right Out: 7.593 $\pm$ 0.514 χ^2 /NDF: 573.4/18

Left In: 29.107 $\pm$ 1.561 χ^2 /NDF: 21.7/1

11.572 $\pm$ 0.467 χ^2 /NDF: 671.0/17

9.697 $\pm$ 0.488 χ^2 /NDF: 766.6/20

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -41.631 ± 0.031 χ^2/NDF : 94399.1/18

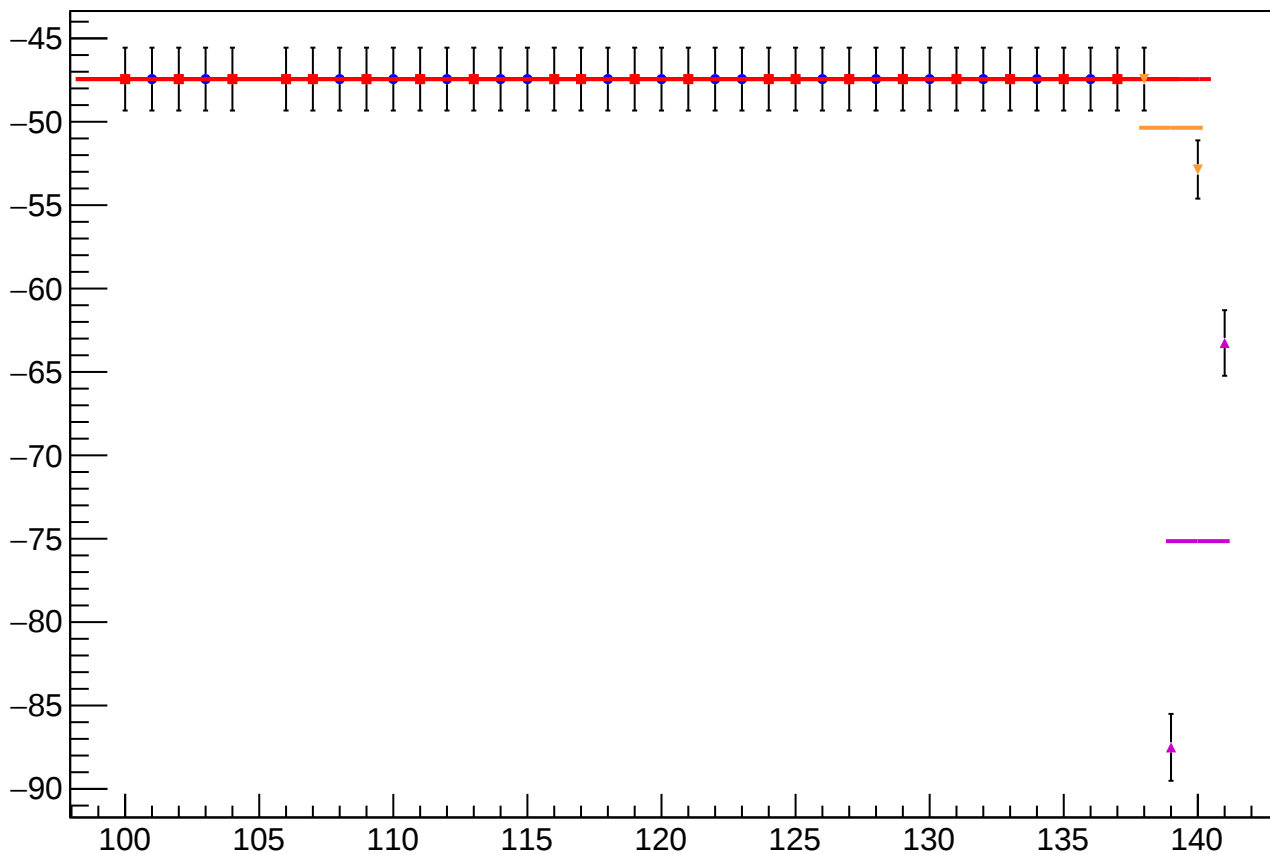
Right Out: -41.631 ± 0.031 χ^2/NDF : 94399.1/18

Left In: -49.108 ± 0.057 χ^2/NDF : 10357.8/1

-41.950 ± 0.027 χ^2/NDF : 58001.7/17

-43.370 ± 0.027 χ^2/NDF : 118154.7/20

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -47.442 $\pm$ 0.457 χ^2 /NDF: 0.0/16

Left Out: -50.359 $\pm$ 1.281 χ^2 /NDF: 4.5/1

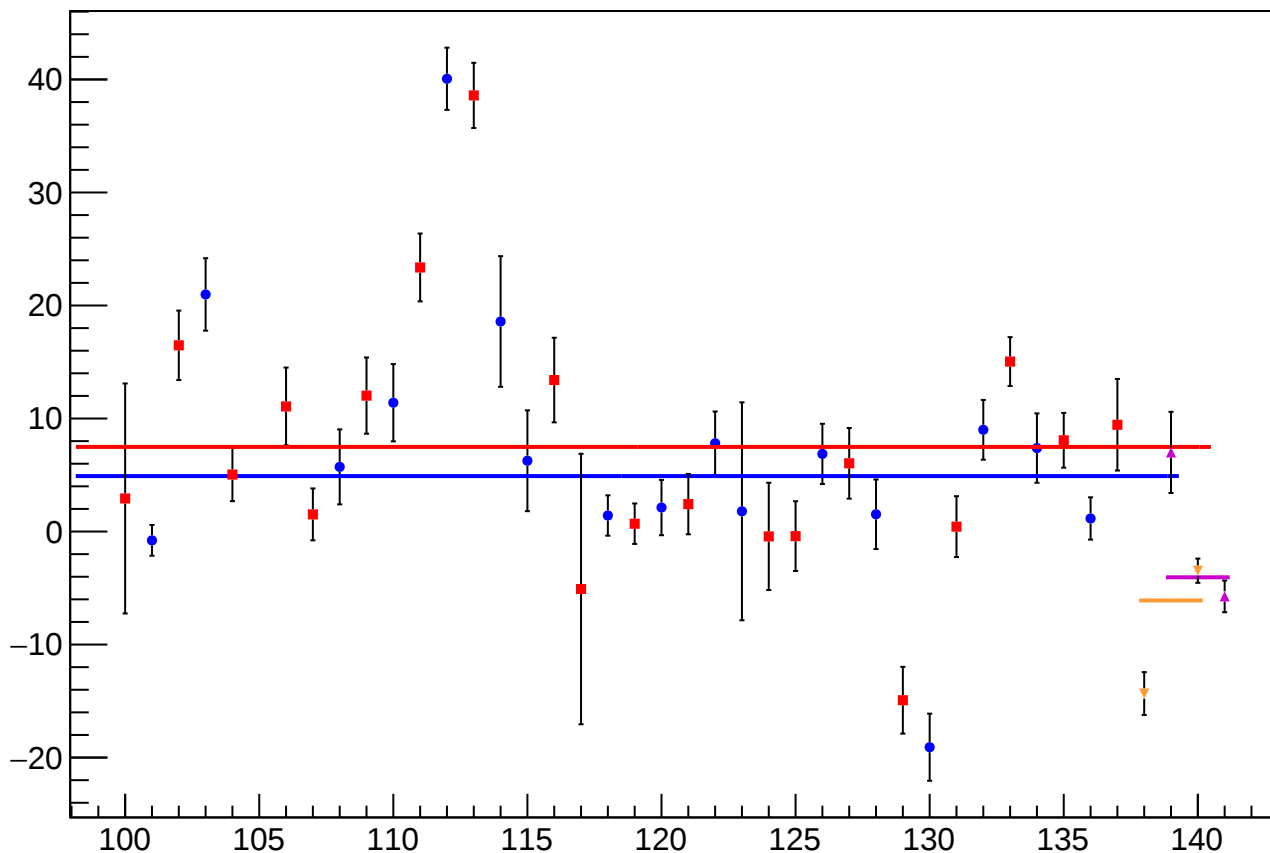
Right Out: -47.442 $\pm$ 0.421 χ^2 /NDF: 0.0/19

Left In: -75.145 $\pm$ 1.404 χ^2 /NDF: 74.6/1

-47.771 $\pm$ 0.431 χ^2 /NDF: 9.1/18

-49.733 $\pm$ 0.404 χ^2 /NDF: 431.9/21

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 $\chi^2/\text{NDF}: 295.4/16$

Left Out: -6.098 ± 0.933 $\chi^2/\text{NDF}: 24.9/1$

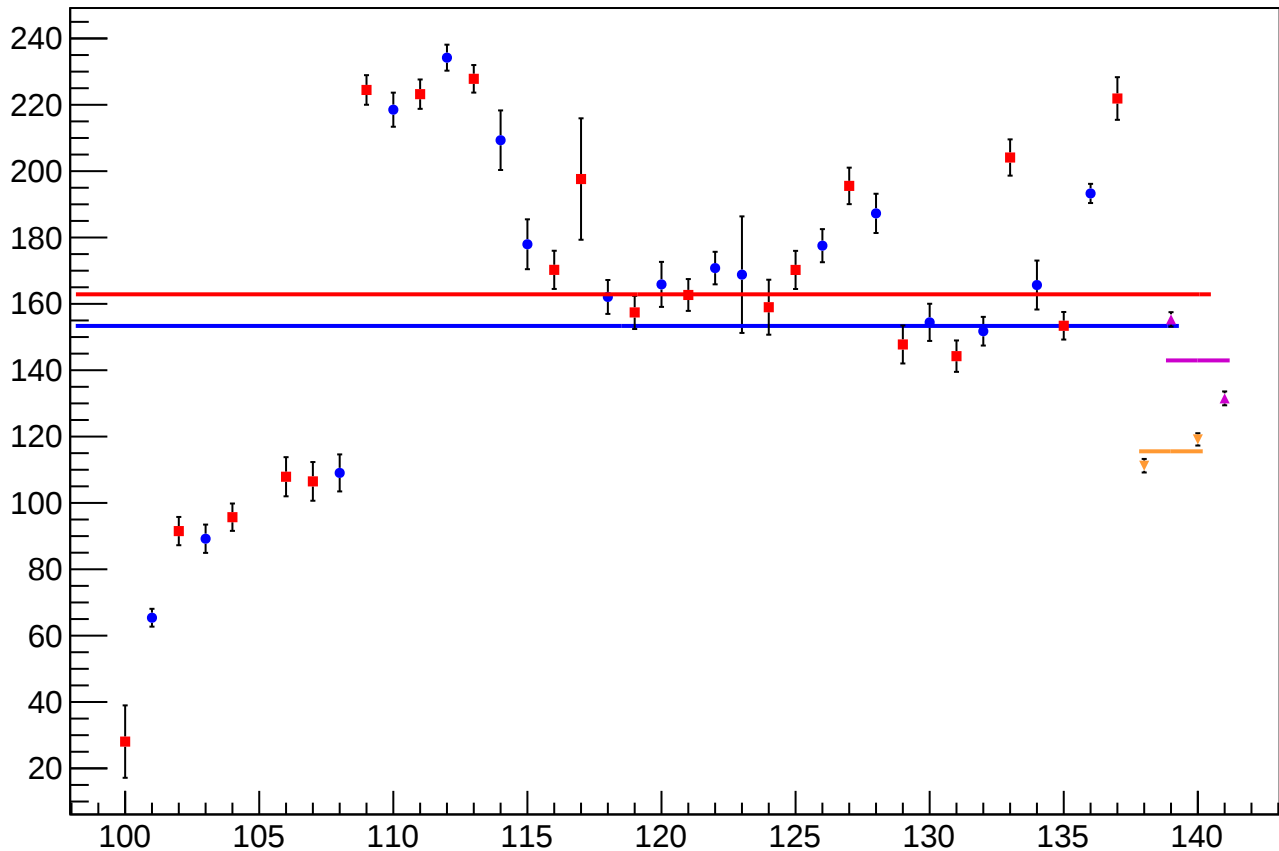
Right Out: 7.486 ± 0.650 $\chi^2/\text{NDF}: 271.7/19$

Left In: -4.050 ± 1.307 $\chi^2/\text{NDF}: 10.9/1$

1.478 ± 0.521 $\chi^2/\text{NDF}: 416.1/18$

5.201 ± 0.582 $\chi^2/\text{NDF}: 345.1/21$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 ± 1.150 χ^2/NDF : 2268.3/16

Left Out: 115.558 ± 1.375 χ^2/NDF : 8.3/1

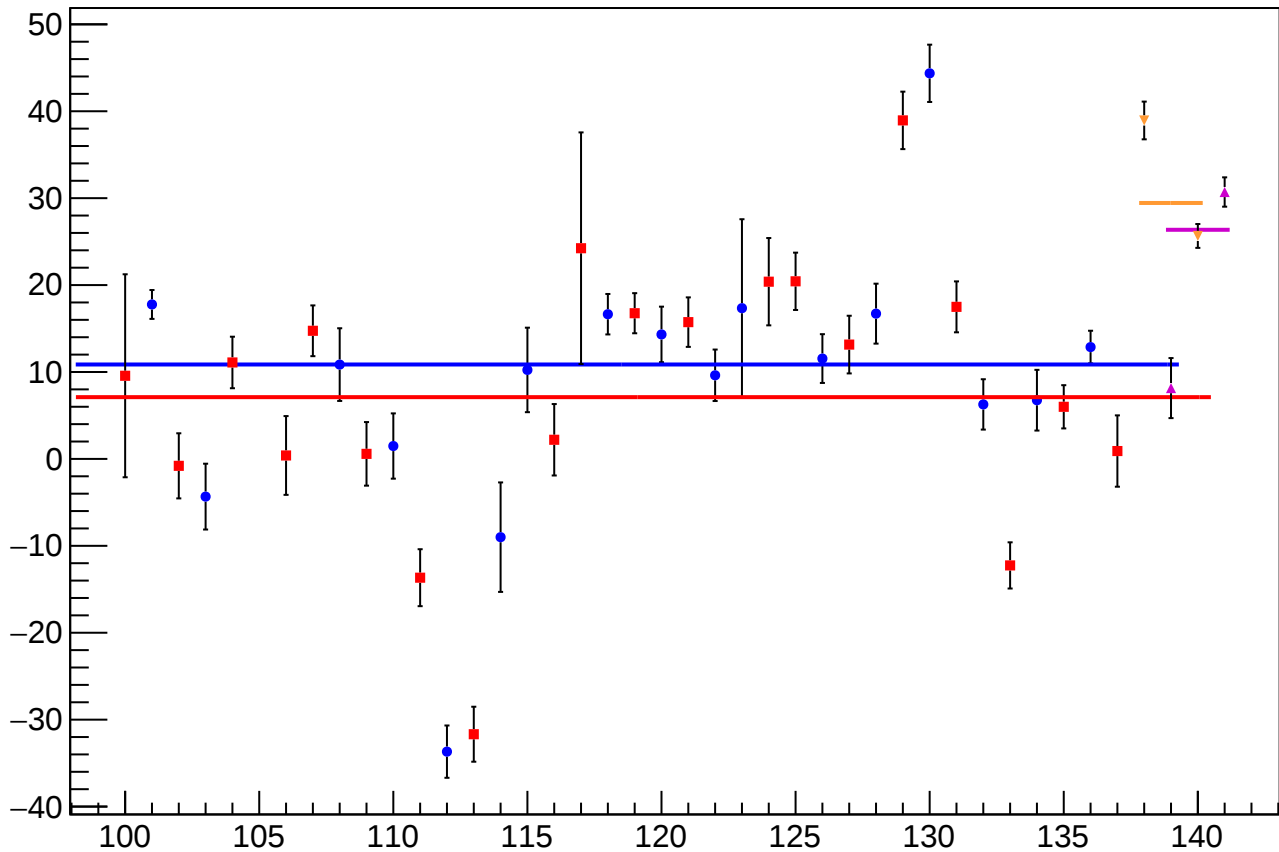
Right Out: 162.878 ± 1.174 χ^2/NDF : 1712.4/19

Left In: 142.955 ± 1.506 χ^2/NDF : 62.4/1

137.792 ± 0.882 χ^2/NDF : 2721.0/18

155.345 ± 0.926 χ^2/NDF : 1883.6/21

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 29.447 $\pm$ 1.160 χ^2 /NDF: 26.8/1

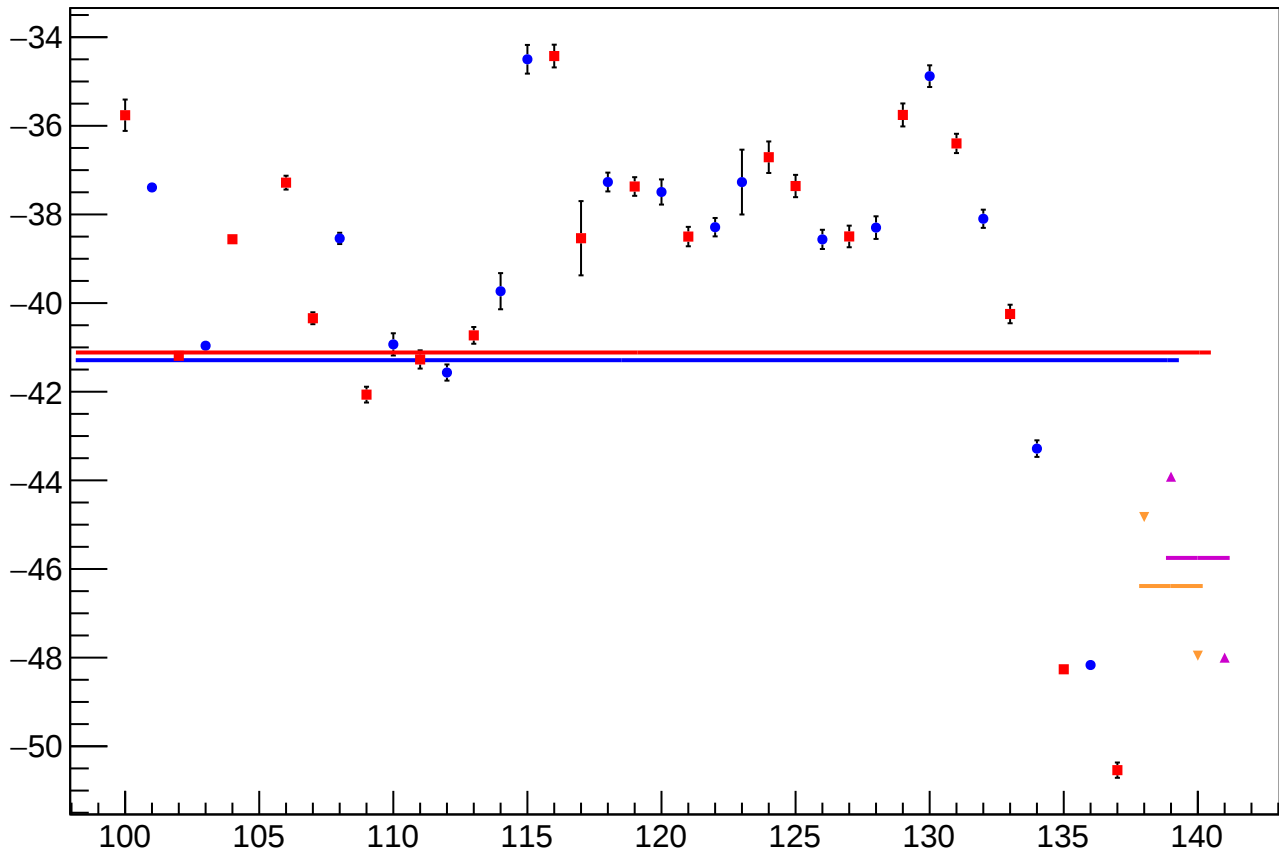
Right Out: 7.106 $\pm$ 0.746 χ^2 /NDF: 426.4/19

Left In: 26.362 $\pm$ 1.516 χ^2 /NDF: 34.4/1

16.026 $\pm$ 0.611 χ^2 /NDF: 600.0/18

10.861 $\pm$ 0.670 χ^2 /NDF: 590.6/21

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -46.384 ± 0.057 $\chi^2/\text{NDF}: 747.2/1$

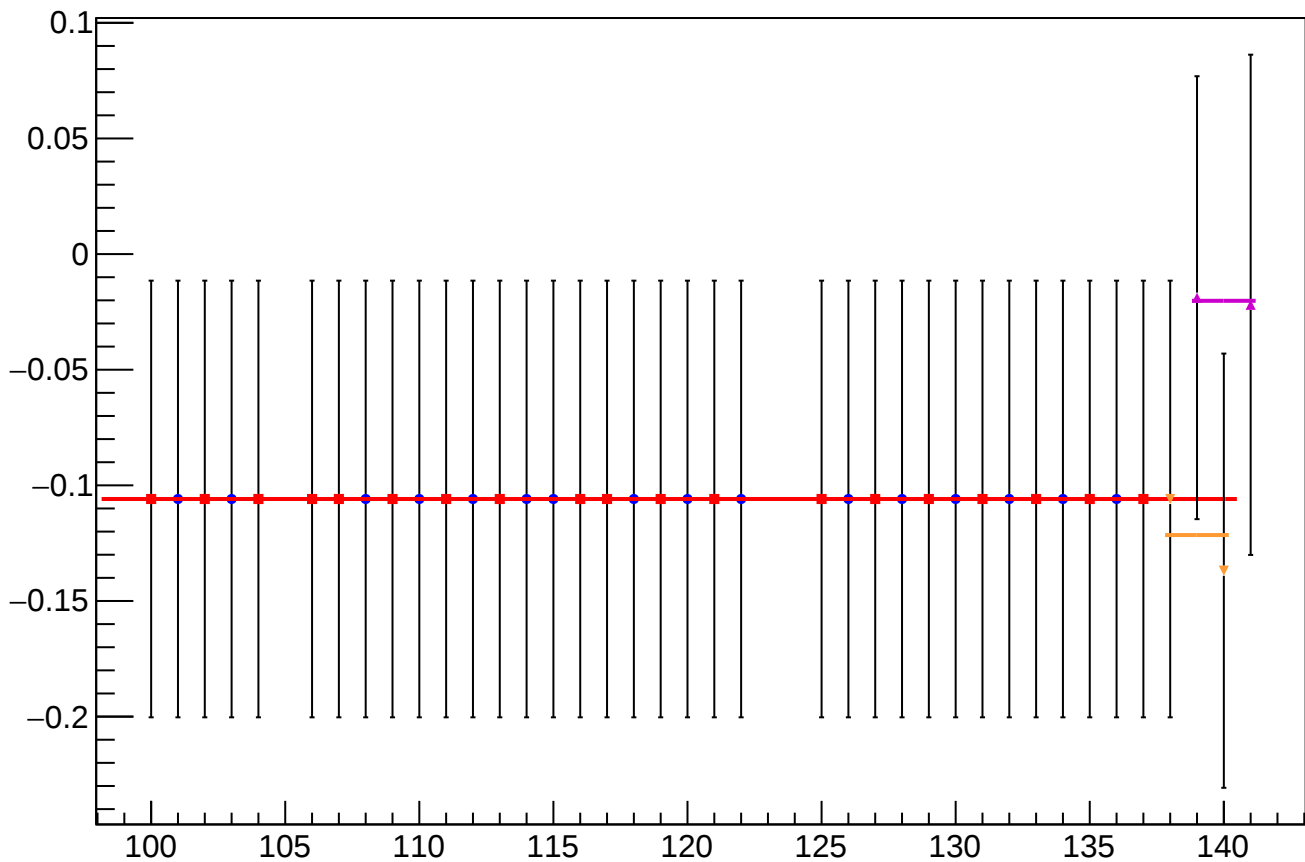
Right Out: -41.115 ± 0.039 $\chi^2/\text{NDF}: 12120.1/19$

Left In: -45.750 ± 0.057 $\chi^2/\text{NDF}: 1286.0/1$

-42.882 ± 0.032 $\chi^2/\text{NDF}: 18704.4/18$

-42.587 ± 0.032 $\chi^2/\text{NDF}: 17978.3/21$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: -0.106+/-0.024 χ^2/NDF : 0.0/15

Left Out: -0.121+/-0.067 χ^2/NDF : 0.1/1

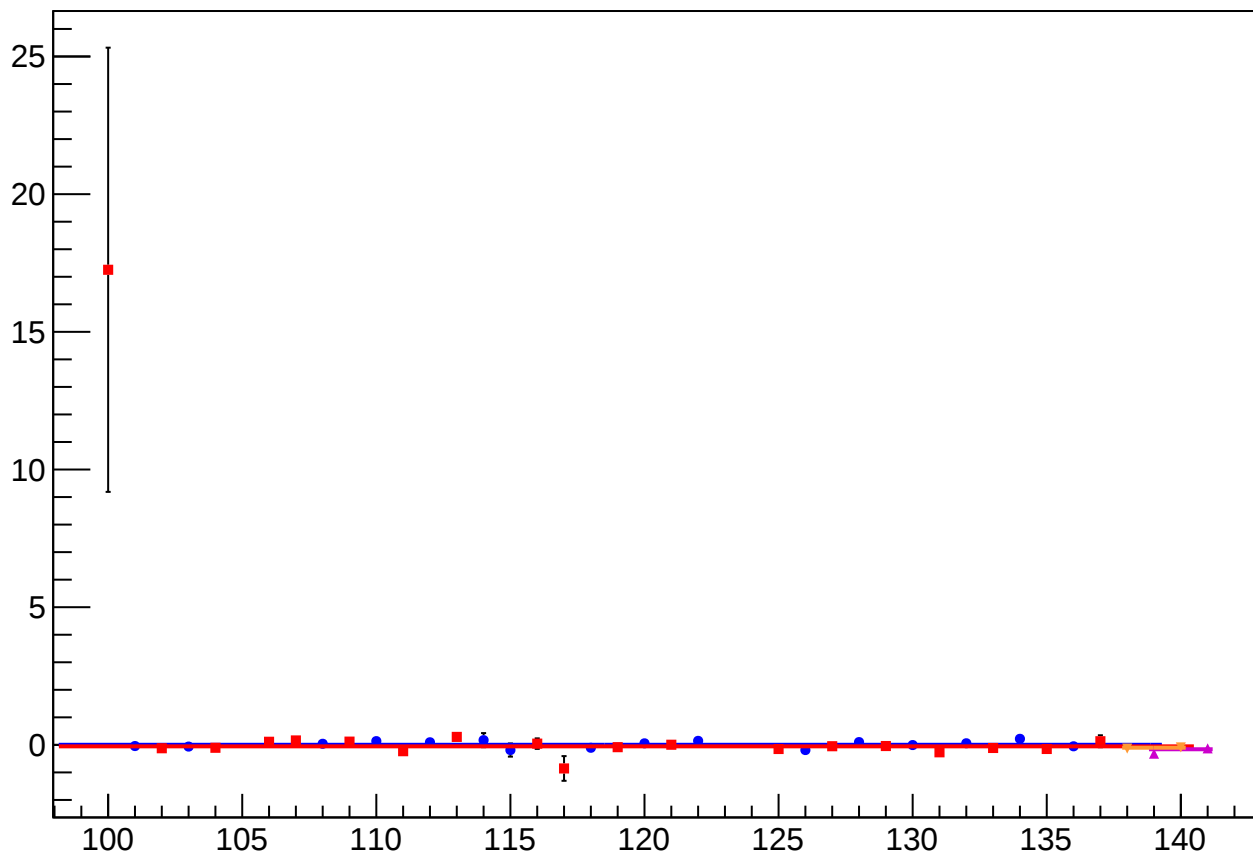
Right Out: -0.106+/-0.022 χ^2/NDF : 0.0/18

Left In: -0.020+/-0.072 χ^2/NDF : 0.0/1

-0.108+/-0.022 χ^2/NDF : 0.1/17

-0.099+/-0.021 χ^2/NDF : 1.3/20

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003+/-0.029 χ^2/NDF : 12.4/15

Left Out: -0.102+/-0.050 χ^2/NDF : 0.1/1

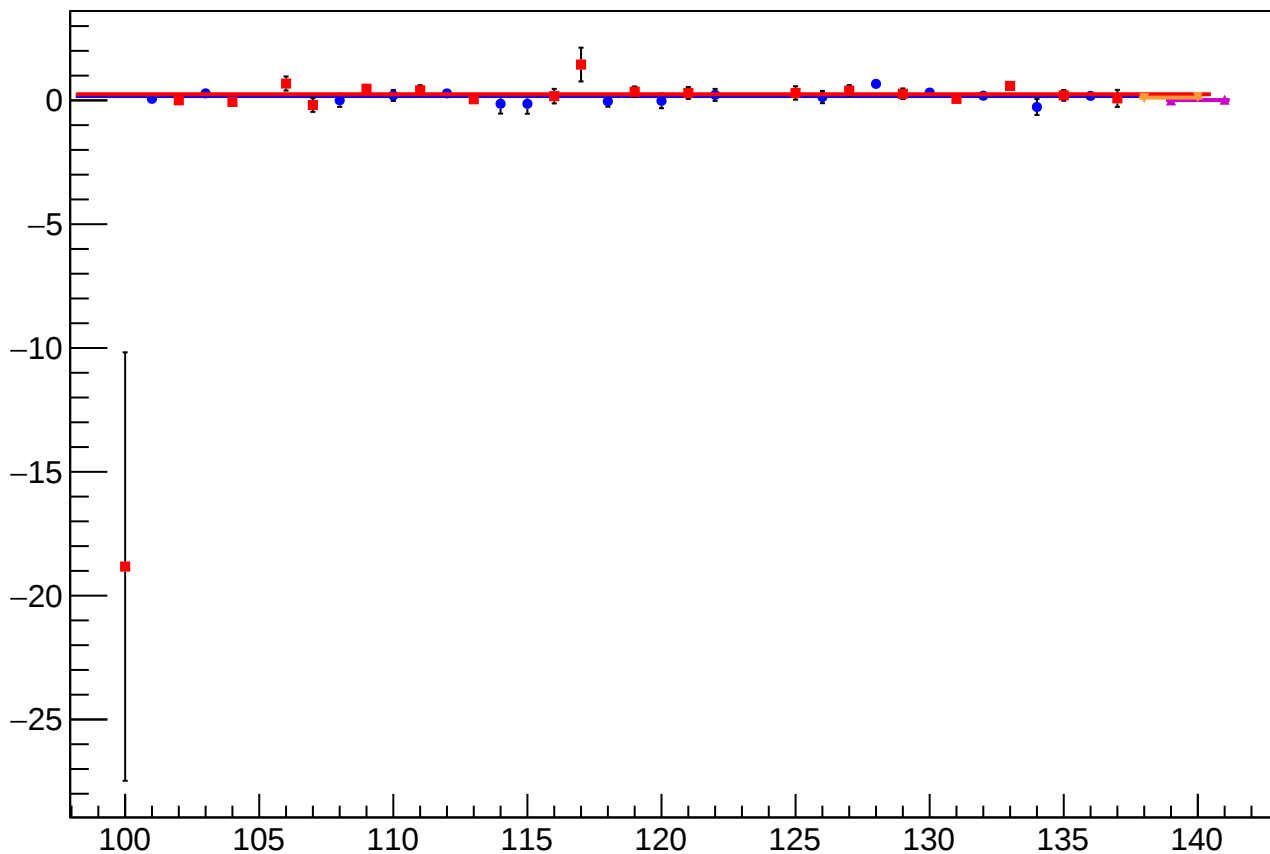
Right Out: -0.053+/-0.029 χ^2/NDF : 28.8/18

Left In: -0.159+/-0.071 χ^2/NDF : 1.0/1

-0.023+/-0.025 χ^2/NDF : 16.0/17

-0.069+/-0.027 χ^2/NDF : 31.8/20

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.112 $\pm$ 0.072 χ^2 /NDF: 0.1/1

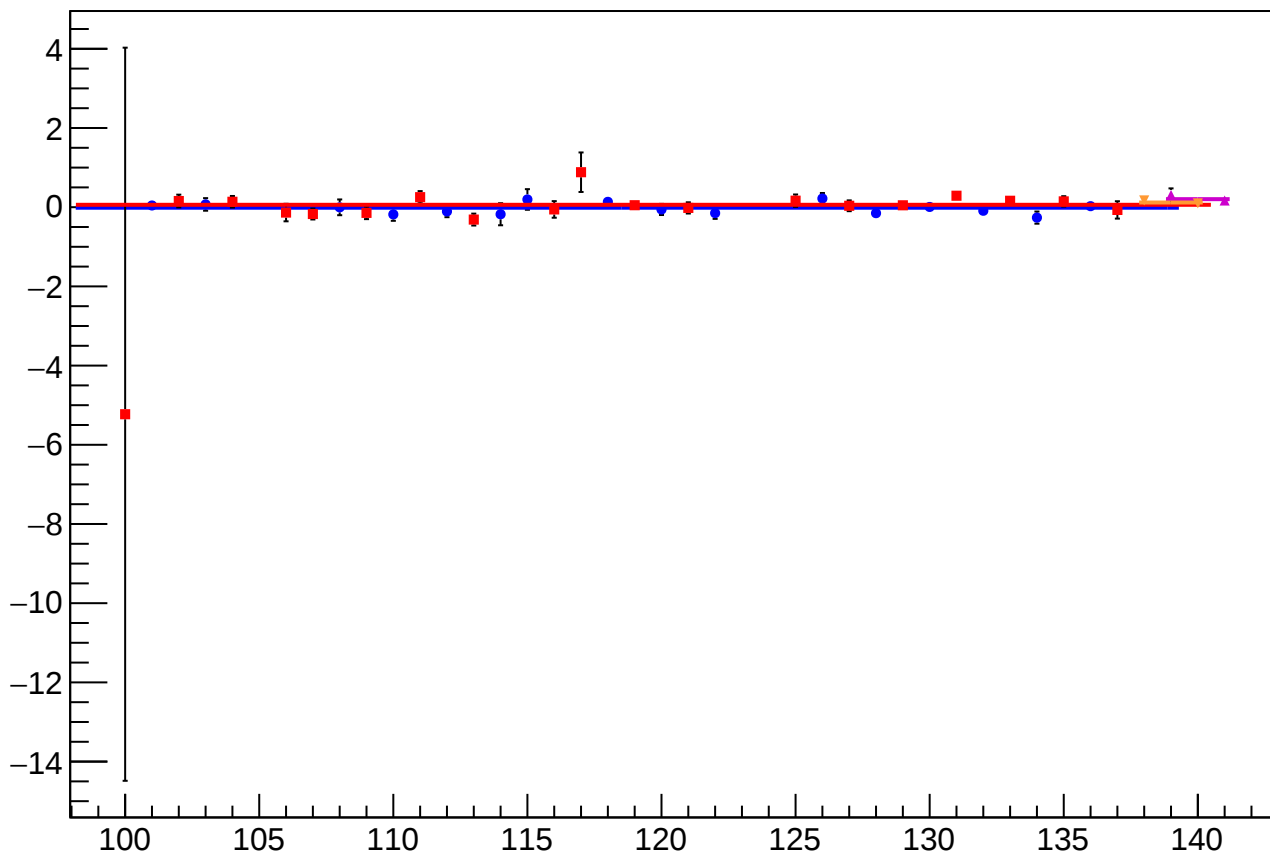
Right Out: 0.247 $\pm$ 0.054 χ^2 /NDF: 24.7/18

Left In: 0.013 $\pm$ 0.077 χ^2 /NDF: 0.0/1

0.154 $\pm$ 0.042 χ^2 /NDF: 13.6/17

0.170 $\pm$ 0.044 χ^2 /NDF: 31.0/20

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.118 ± 0.061 χ^2/NDF : 0.3/1

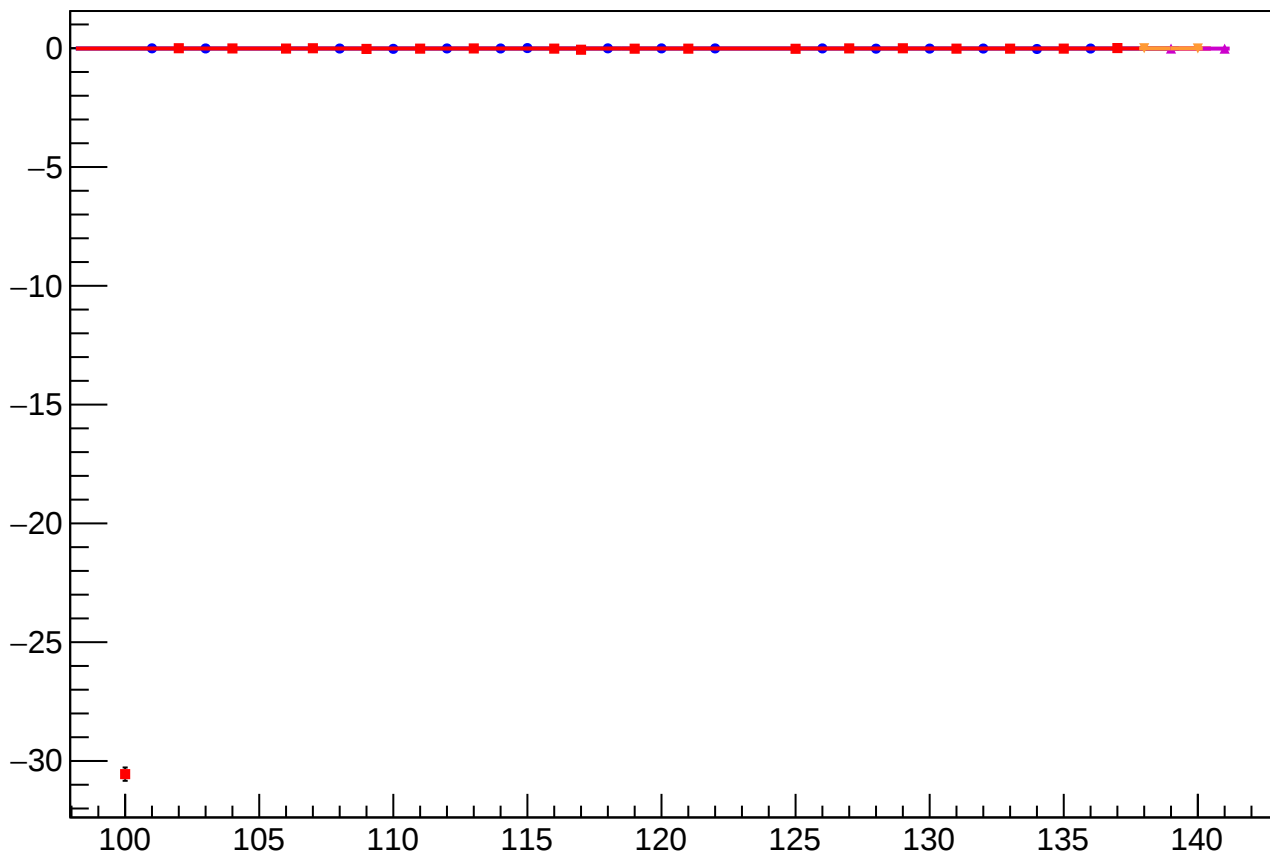
Right Out: 0.061 ± 0.034 χ^2/NDF : 23.1/18

Left In: 0.203 ± 0.081 χ^2/NDF : 0.6/1

0.016 ± 0.029 χ^2/NDF : 17.5/17

0.082 ± 0.031 χ^2/NDF : 26.2/20

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

-0.010 ± 0.002 χ^2/NDF : 18.3/17

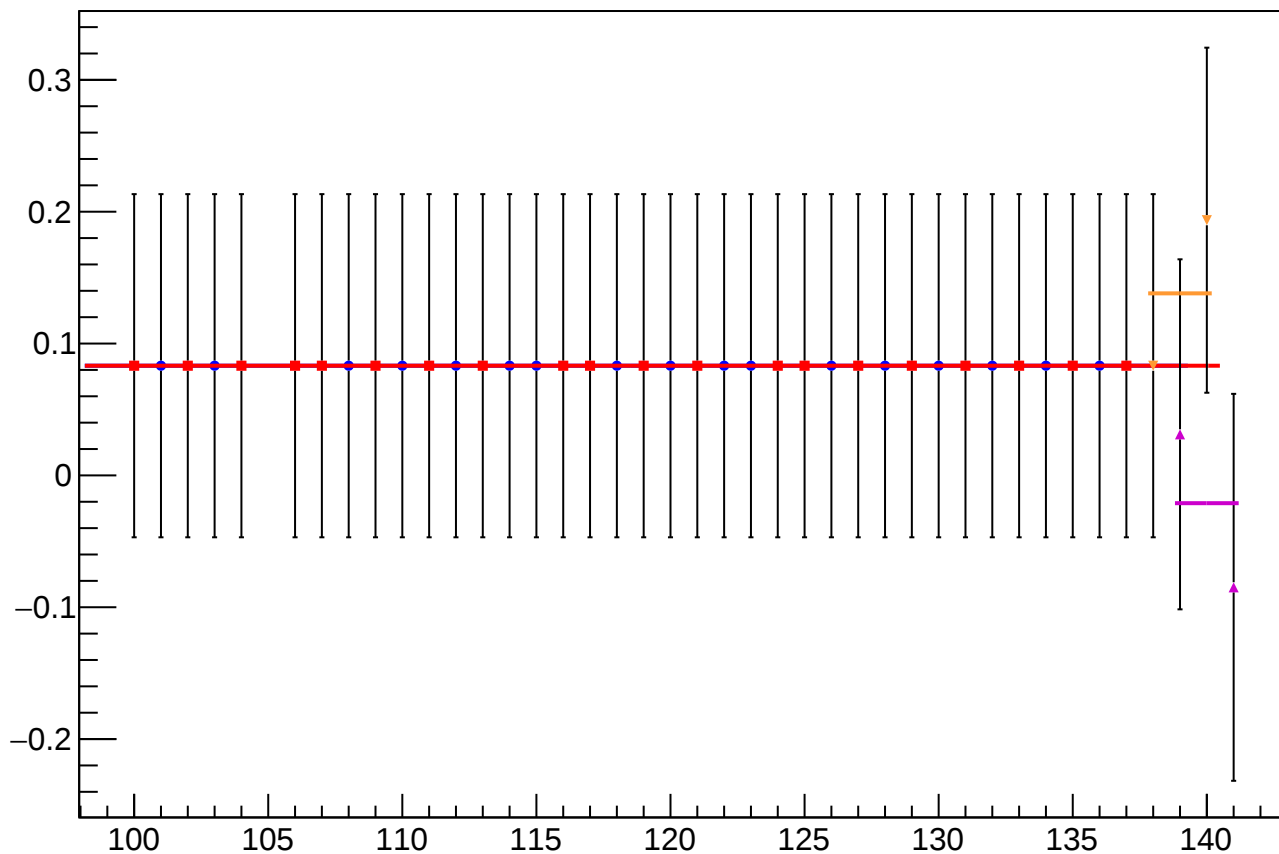
Left Out: -0.006 ± 0.003 χ^2/NDF : 2.2/1

Right Out: -0.012 ± 0.002 χ^2/NDF : 11894.0/18

-0.013 ± 0.002 χ^2/NDF : 11895.6/20

Left In: -0.016 ± 0.003 χ^2/NDF : 0.4/1

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.083 ± 0.032 χ^2/NDF : 0.0/16

Left Out: 0.138 ± 0.092 χ^2/NDF : 0.4/1

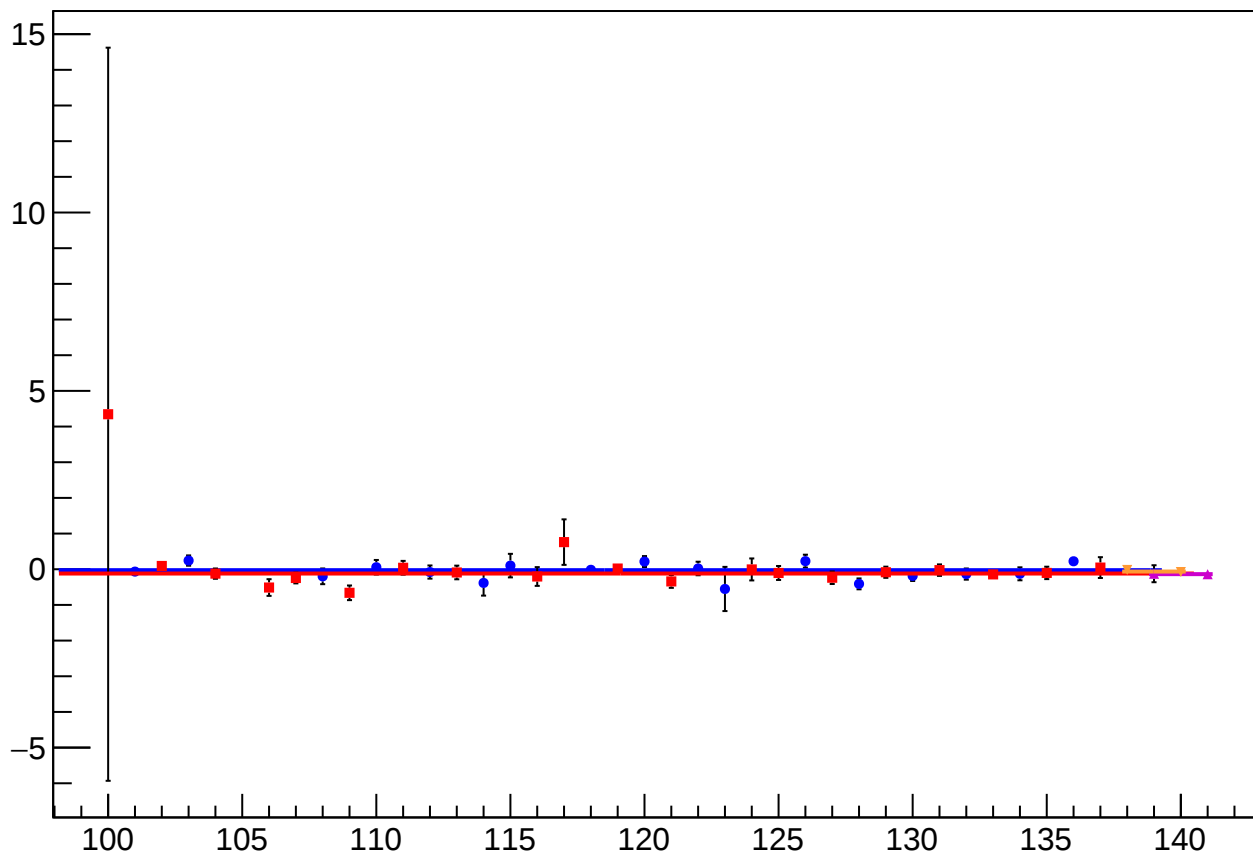
Right Out: 0.083 ± 0.029 χ^2/NDF : 0.0/19

Left In: -0.021 ± 0.098 χ^2/NDF : 0.3/1

0.089 ± 0.030 χ^2/NDF : 0.7/18

0.075 ± 0.028 χ^2/NDF : 1.4/21

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 $\pm$ 0.037 χ^2/NDF : 22.7/16

Left Out: -0.065 $\pm$ 0.069 χ^2/NDF : 0.1/1

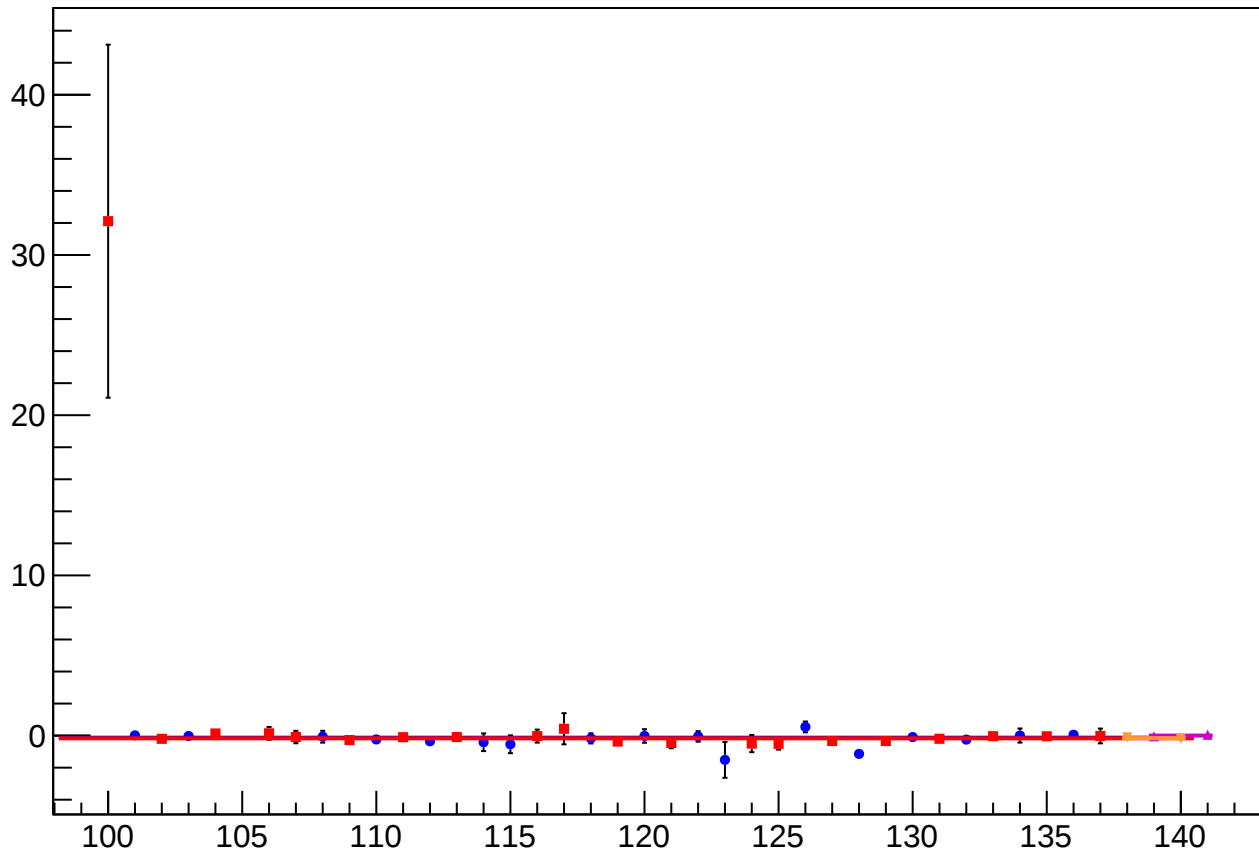
Right Out: -0.120 $\pm$ 0.039 χ^2/NDF : 20.2/19

Left In: -0.137 $\pm$ 0.096 χ^2/NDF : 0.0/1

-0.035 $\pm$ 0.032 χ^2/NDF : 23.1/18

-0.123 $\pm$ 0.036 χ^2/NDF : 20.2/21

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129+/-0.067 χ^2 /NDF: 23.1/16

Left Out: -0.156+/-0.099 χ^2 /NDF: 0.2/1

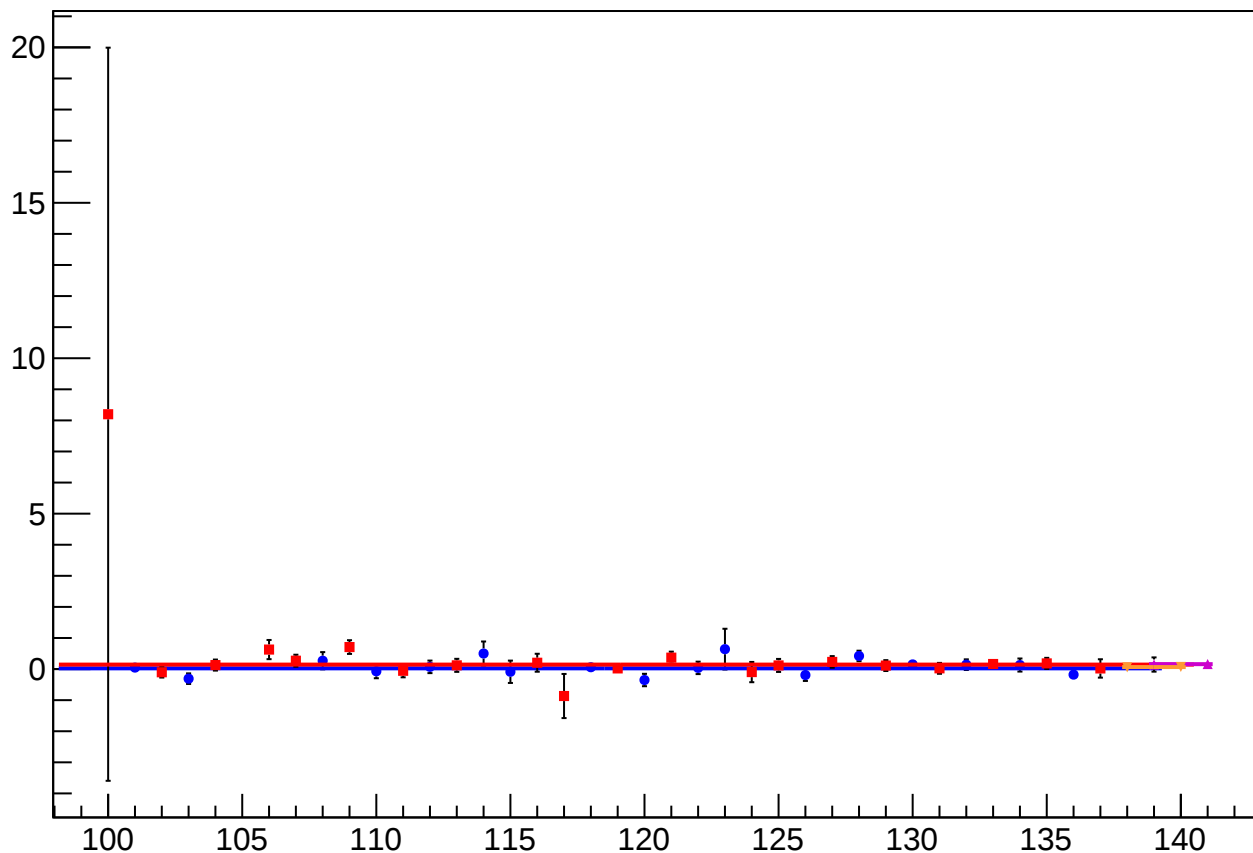
Right Out: -0.169+/-0.071 χ^2 /NDF: 15.3/19

Left In: 0.002+/-0.106 χ^2 /NDF: 0.2/1

-0.138+/-0.056 χ^2 /NDF: 23.4/18

-0.116+/-0.059 χ^2 /NDF: 17.3/21

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023+/-0.043 χ^2/NDF : 21.3/16

Left Out: 0.065+/-0.085 χ^2/NDF : 0.0/1

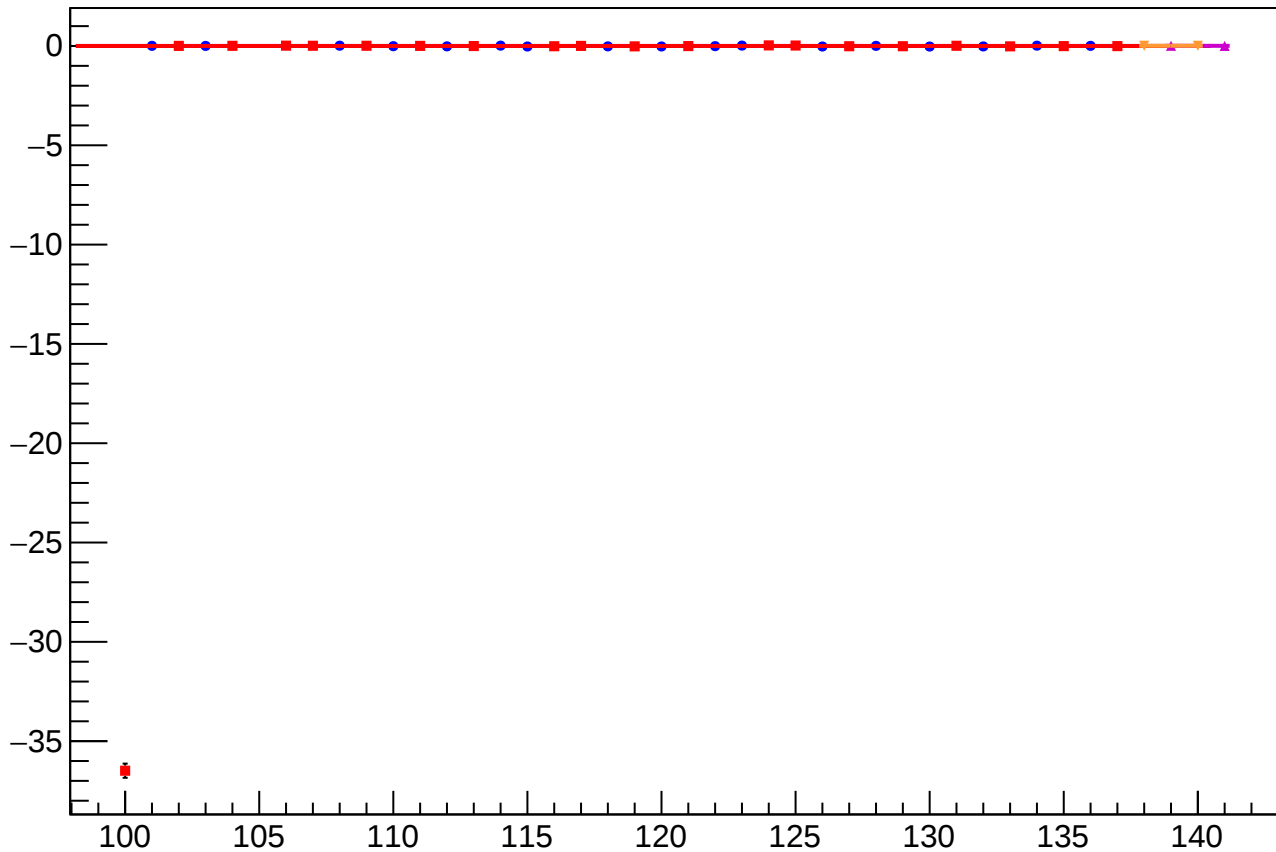
Right Out: 0.144+/-0.045 χ^2/NDF : 18.6/19

Left In: 0.158+/-0.111 χ^2/NDF : 0.0/1

0.031+/-0.038 χ^2/NDF : 21.5/18

0.146+/-0.042 χ^2/NDF : 18.7/21

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.011 $\pm$ 0.004 χ^2 /NDF: 0.0/1

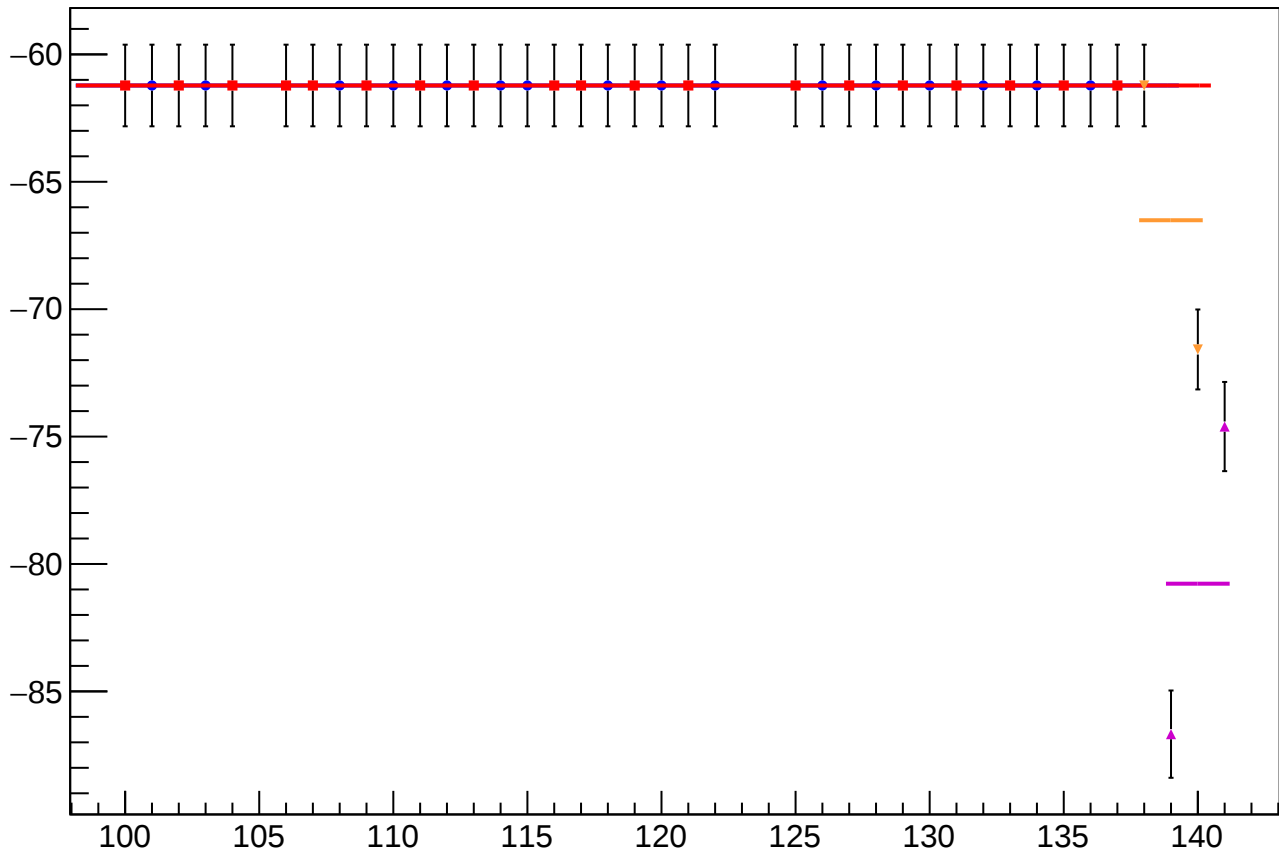
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/19

Left In: 0.008 $\pm$ 0.004 χ^2 /NDF: 0.9/1

0.004 $\pm$ 0.002 χ^2 /NDF: 35.1/18

0.003 $\pm$ 0.002 χ^2 /NDF: 10452.6/21

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -61.220 $\pm$ 0.400 χ^2 /NDF: 0.0/15

Left Out: -66.509 $\pm$ 1.121 χ^2 /NDF: 21.4/1

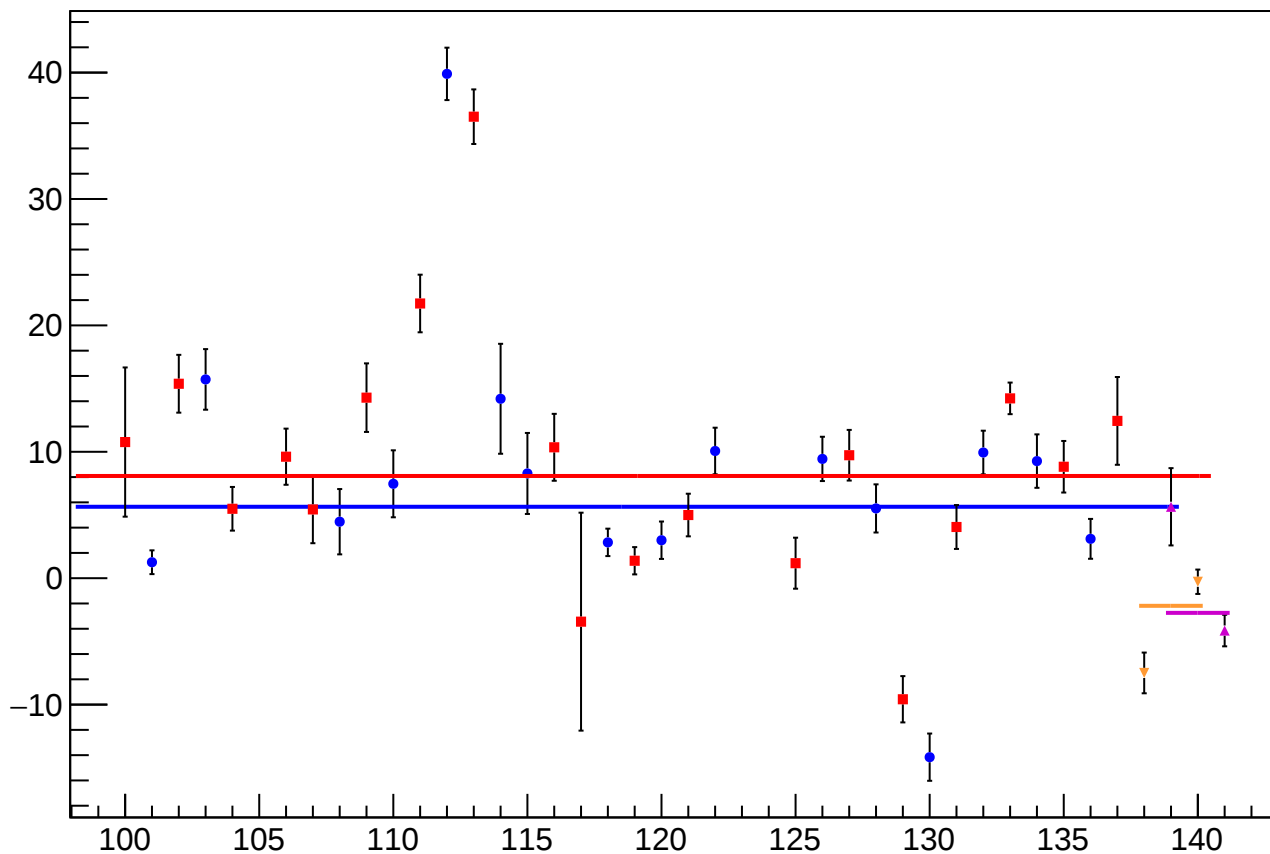
Right Out: -61.220 $\pm$ 0.368 χ^2 /NDF: 0.0/18

Left In: -80.774 $\pm$ 1.224 χ^2 /NDF: 24.3/1

-61.819 $\pm$ 0.377 χ^2 /NDF: 41.1/17

-62.837 $\pm$ 0.352 χ^2 /NDF: 258.3/20

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651+/-0.429 χ^2/NDF : 461.9/15

Left Out: -2.185+/-0.828 χ^2/NDF : 14.8/1

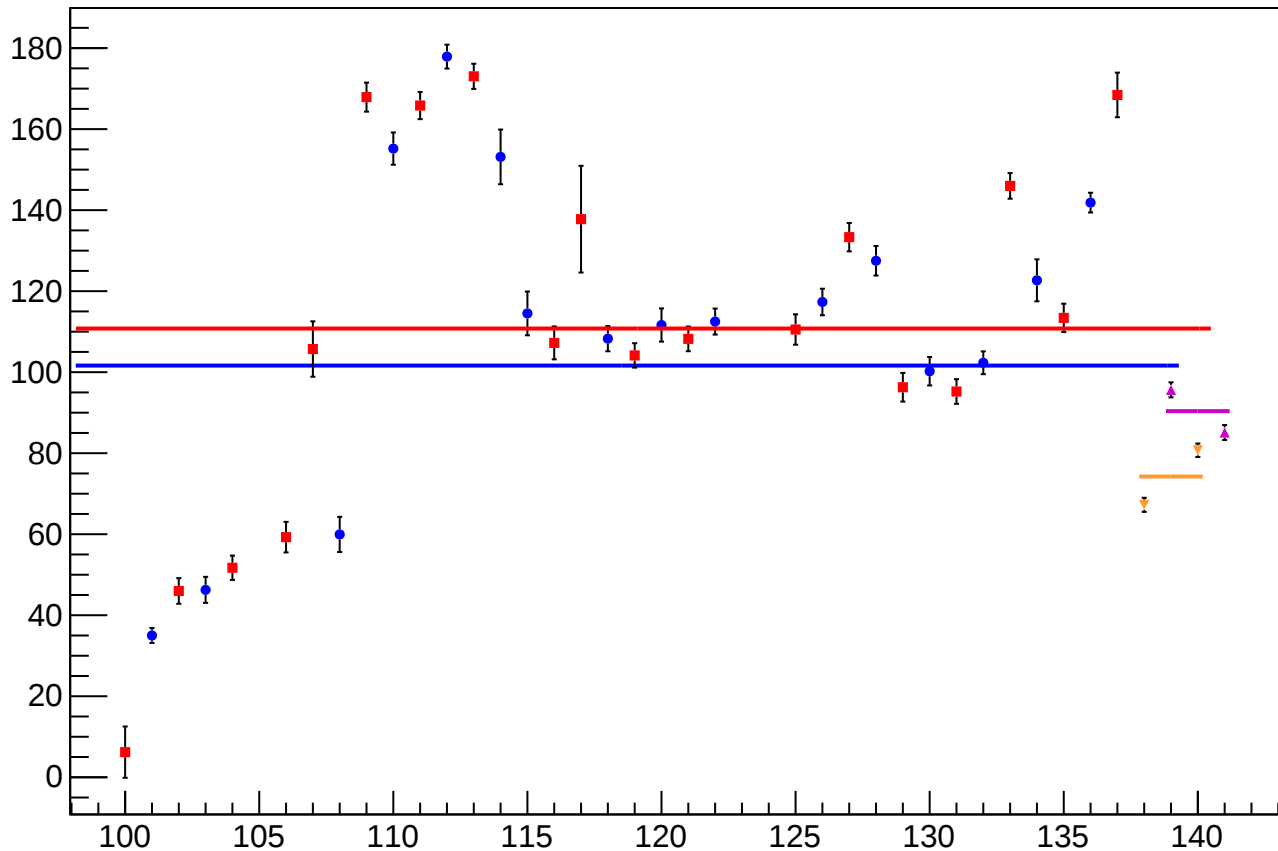
Right Out: 8.087+/-0.452 χ^2/NDF : 409.7/18

Left In: -2.743+/-1.156 χ^2/NDF : 8.8/1

3.990+/-0.381 χ^2/NDF : 547.3/17

6.651+/-0.421 χ^2/NDF : 494.6/20

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 ± 0.812 χ^2/NDF : 2980.2/15

Left Out: 74.250 ± 1.204 χ^2/NDF : 31.2/1

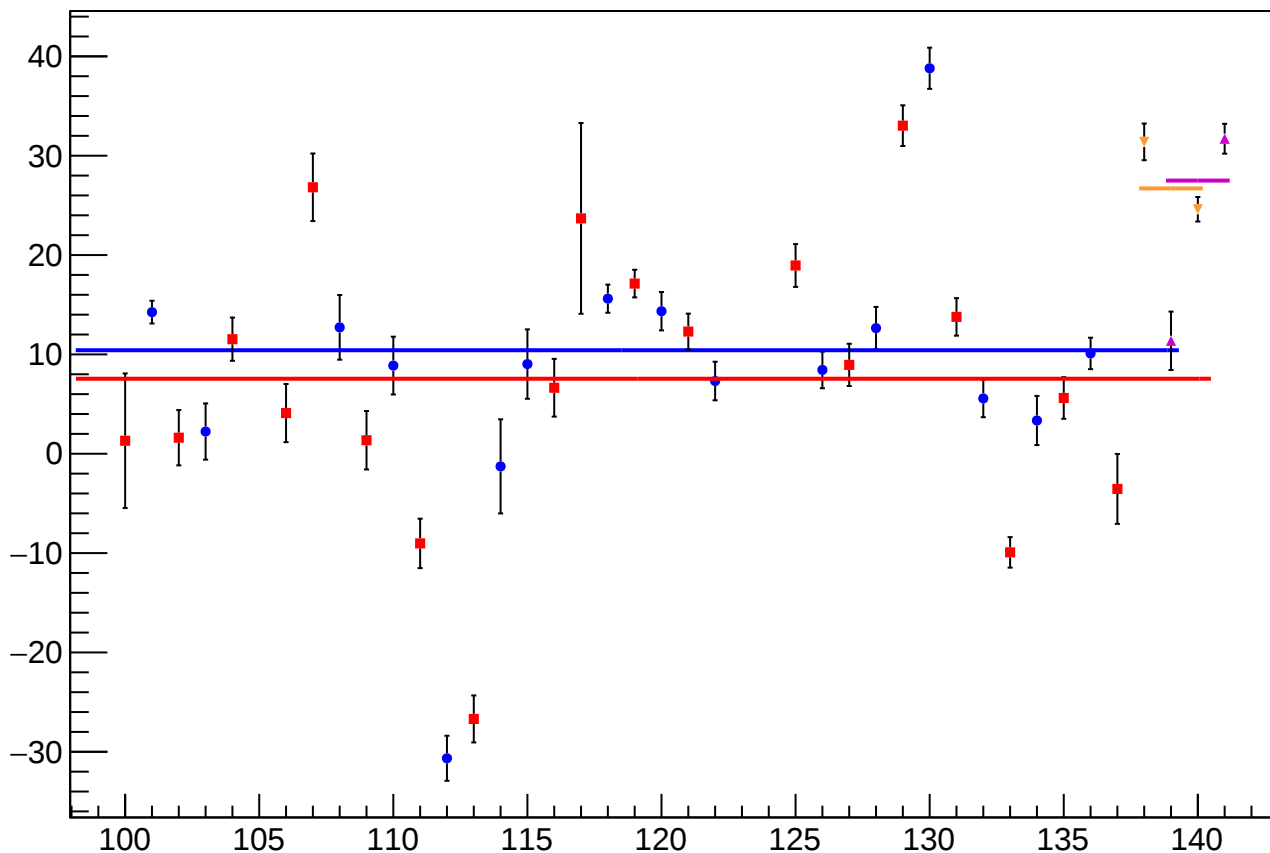
Right Out: 110.778 ± 0.834 χ^2/NDF : 2518.3/18

Left In: 90.380 ± 1.315 χ^2/NDF : 16.0/1

93.067 ± 0.673 χ^2/NDF : 3367.0/17

104.920 ± 0.704 χ^2/NDF : 2705.9/20

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 26.707 $\pm$ 1.026 χ^2 /NDF: 9.3/1

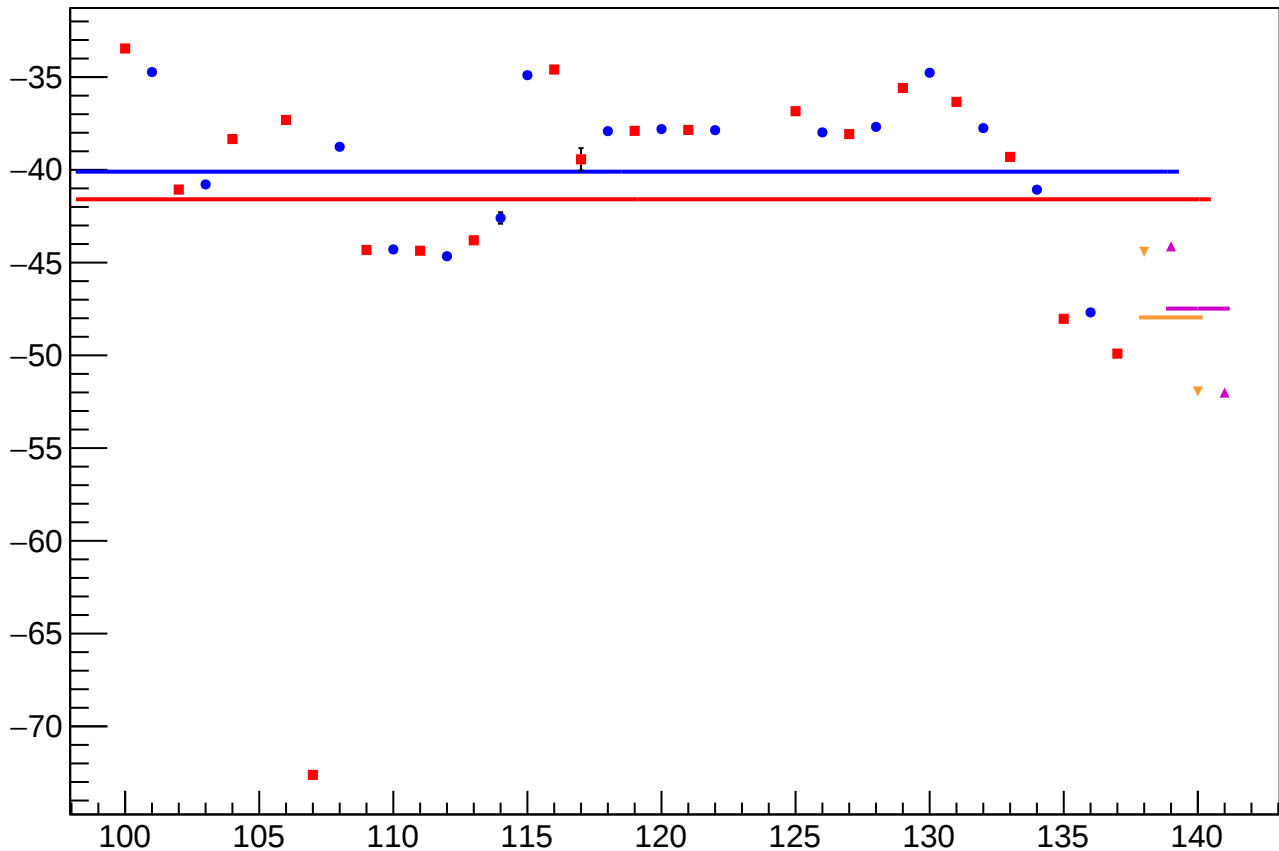
Right Out: 7.550 $\pm$ 0.522 χ^2 /NDF: 692.3/18

Left In: 27.497 $\pm$ 1.338 χ^2 /NDF: 37.9/1

13.518 $\pm$ 0.448 χ^2 /NDF: 793.0/17

10.190 $\pm$ 0.487 χ^2 /NDF: 923.1/20

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -47.955 ± 0.050 $\chi^2/\text{NDF}: 5648.4/1$

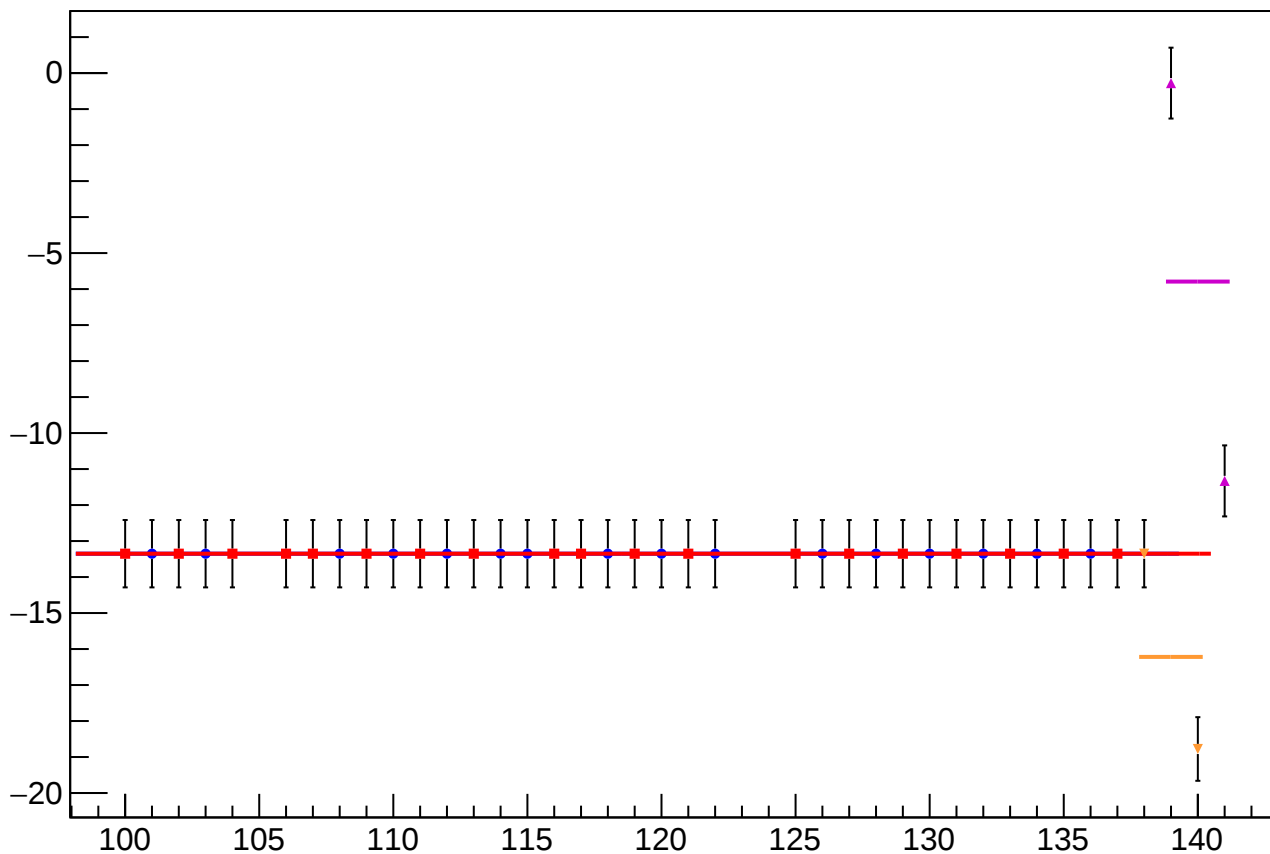
Right Out: -41.588 ± 0.029 $\chi^2/\text{NDF}: 61690.5/18$

Left In: -47.480 ± 0.049 $\chi^2/\text{NDF}: 6280.3/1$

-42.006 ± 0.025 $\chi^2/\text{NDF}: 49411.5/17$

-43.074 ± 0.025 $\chi^2/\text{NDF}: 78703.0/20$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: -13.352 $\pm$ 0.234 χ^2/NDF : 0.0/15

Left Out: -16.219 $\pm$ 0.643 χ^2/NDF : 17.8/1

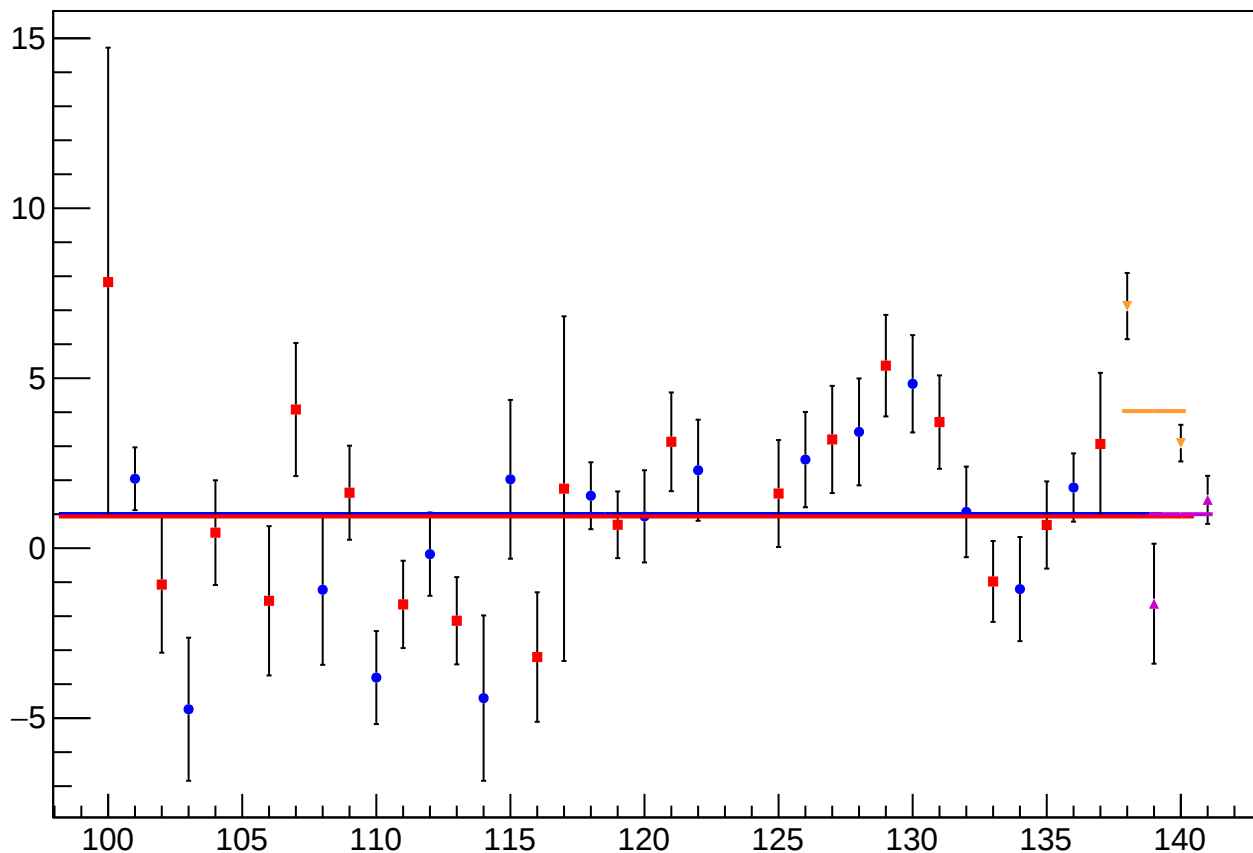
Right Out: -13.352 $\pm$ 0.215 χ^2/NDF : 0.0/18

Left In: -5.792 $\pm$ 0.697 χ^2/NDF : 62.9/1

-13.687 $\pm$ 0.220 χ^2/NDF : 35.3/17

-12.697 $\pm$ 0.205 χ^2/NDF : 170.3/20

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 4.034 ± 0.471 $\chi^2/\text{NDF}: 13.1/1$

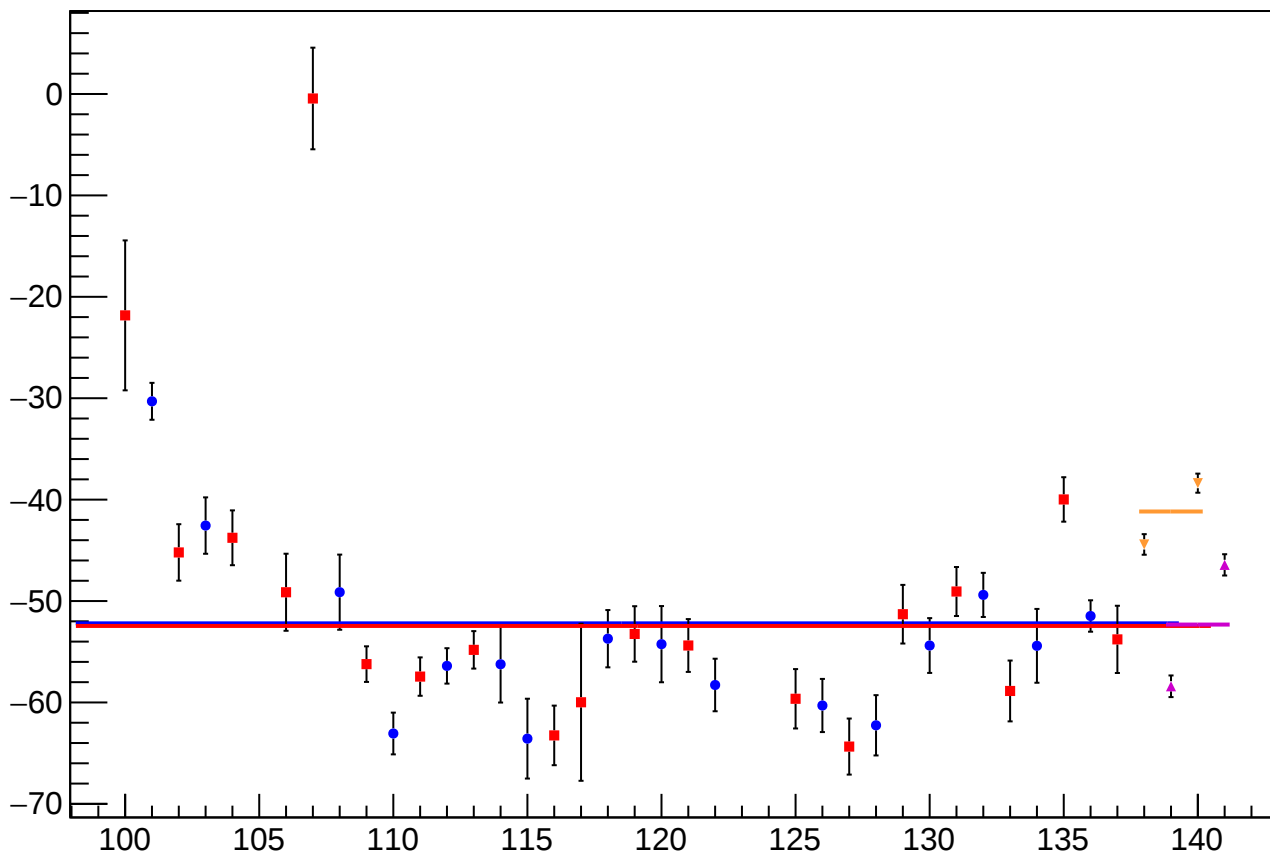
Right Out: 0.933 ± 0.352 $\chi^2/\text{NDF}: 41.9/18$

Left In: 1.000 ± 0.656 $\chi^2/\text{NDF}: 2.6/1$

2.049 ± 0.277 $\chi^2/\text{NDF}: 82.9/17$

0.948 ± 0.310 $\chi^2/\text{NDF}: 44.5/20$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 $\pm$ 0.615 χ^2 /NDF: 230.6/15

Left Out: -41.170 $\pm$ 0.690 χ^2 /NDF:19.1/1

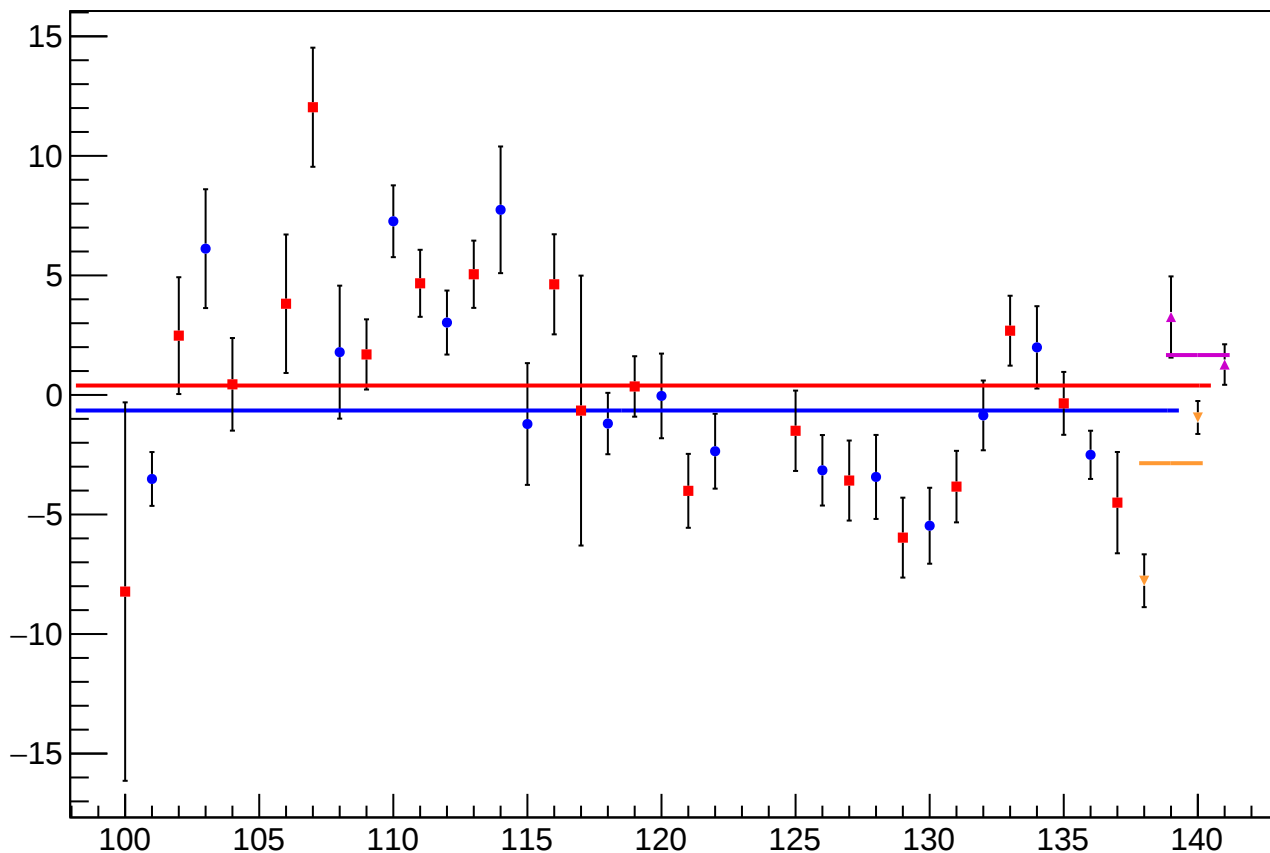
Right Out: -52.455 $\pm$ 0.614 χ^2 /NDF: 234.8/18

Left In: -52.320 $\pm$ 0.748 χ^2 /NDF:64.0/1

-47.321 $\pm$ 0.459 χ^2 /NDF: 392.2/17

-52.400 $\pm$ 0.475 χ^2 /NDF: 298.9/20

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 $\chi^2/\text{NDF}: 81.9/15$

Left Out: -2.855 ± 0.585 $\chi^2/\text{NDF}: 27.5/1$

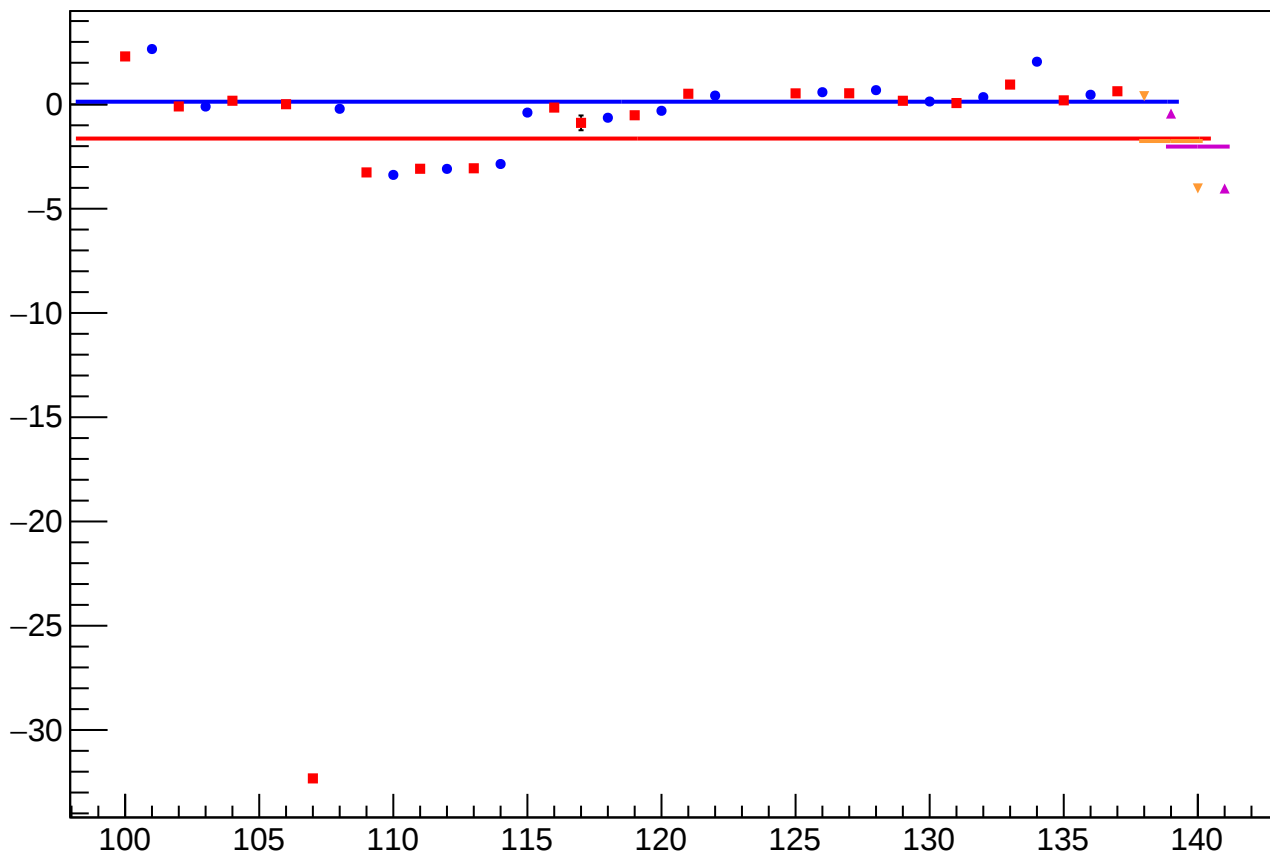
Right Out: 0.394 ± 0.398 $\chi^2/\text{NDF}: 95.9/18$

Left In: 1.669 ± 0.759 $\chi^2/\text{NDF}: 1.1/1$

-1.322 ± 0.323 $\chi^2/\text{NDF}: 119.3/17$

0.670 ± 0.353 $\chi^2/\text{NDF}: 99.2/20$

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 χ^2/NDF : 5247.5/15

Left Out: -1.753 ± 0.028 χ^2/NDF : 6030.7/1

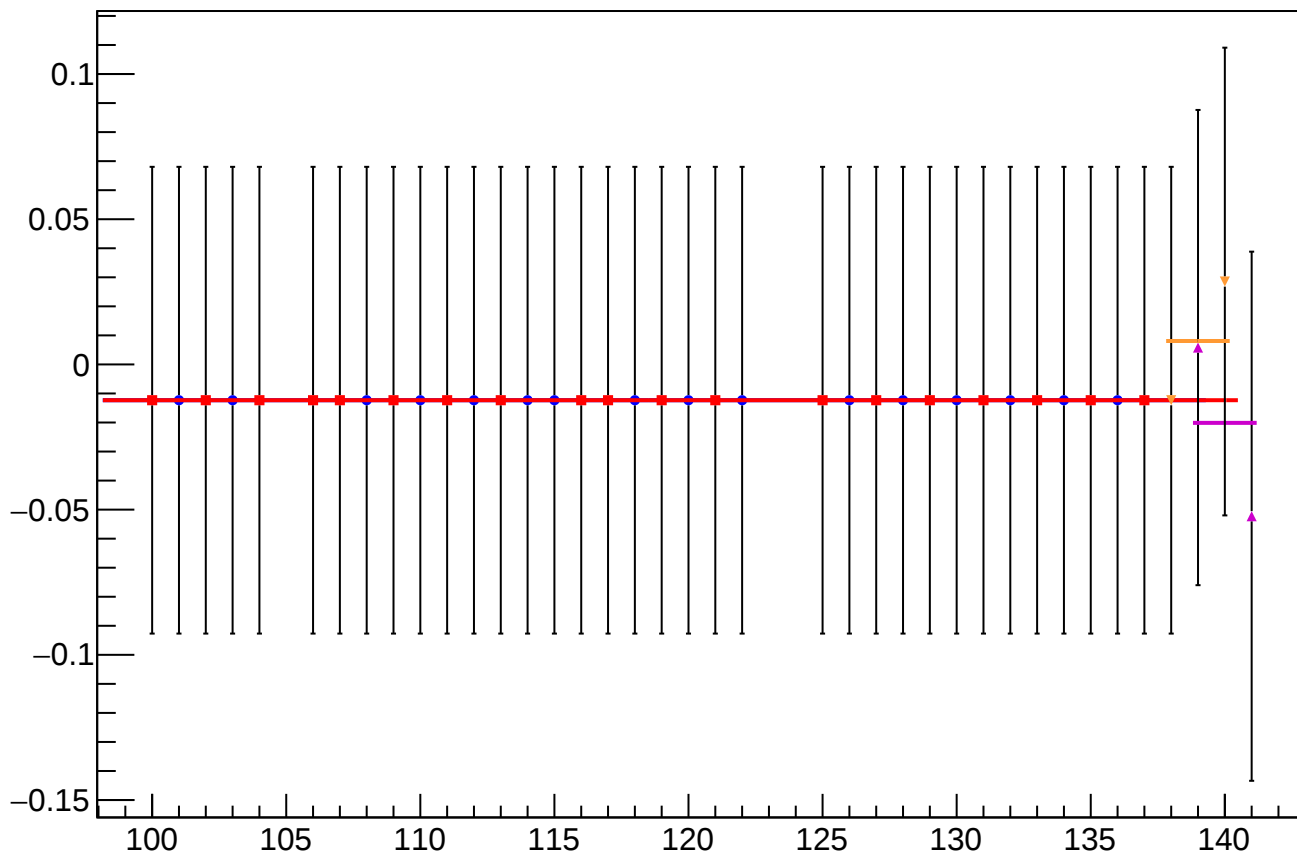
Right Out: -1.635 ± 0.022 χ^2/NDF : 77852.9/18

Left In: -2.020 ± 0.028 χ^2/NDF : 4050.1/1

-0.555 ± 0.017 χ^2/NDF : 14064.2/17

-1.780 ± 0.017 χ^2/NDF : 82020.6/20

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: -0.012 ± 0.020 χ^2/NDF : 0.0/15

Left Out: 0.008 ± 0.057 χ^2/NDF : 0.1/1

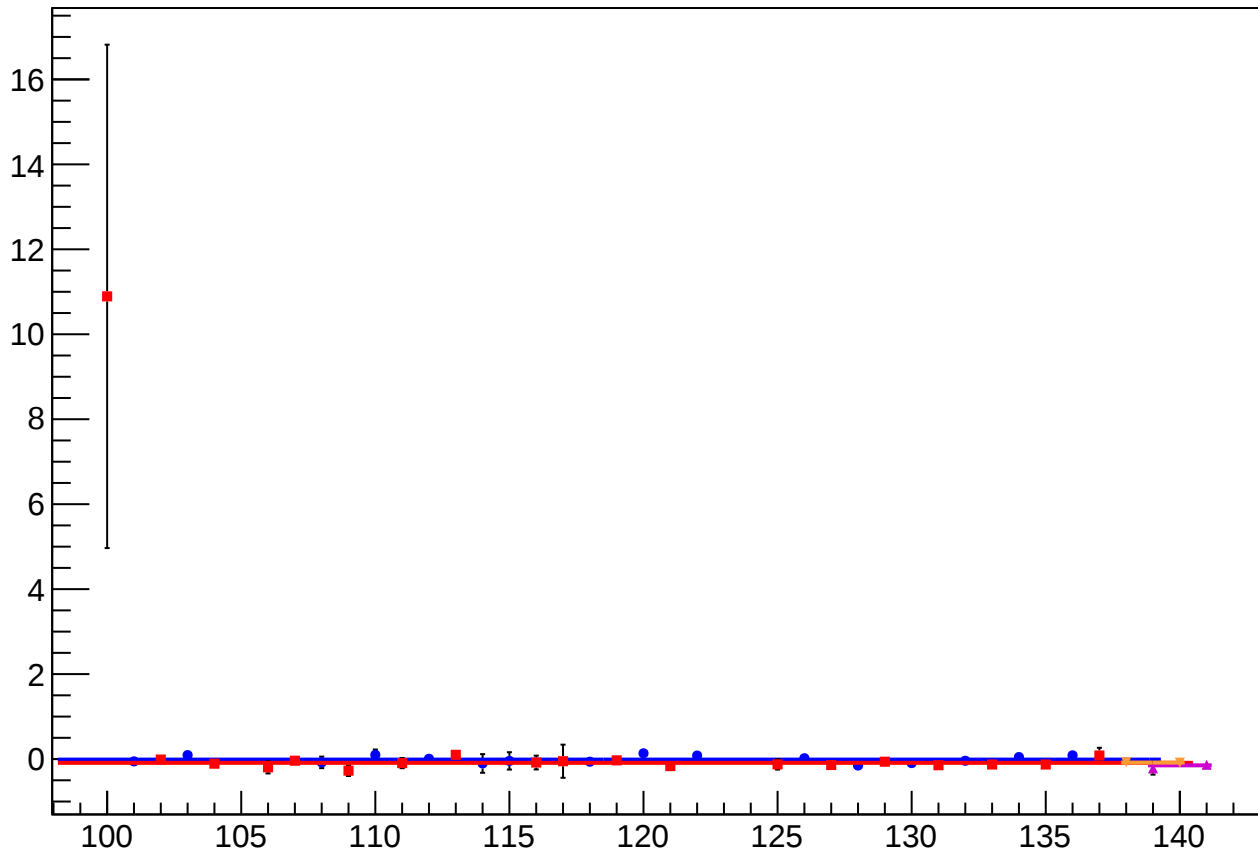
Right Out: -0.012 ± 0.018 χ^2/NDF : 0.0/18

Left In: -0.020 ± 0.061 χ^2/NDF : 0.2/1

-0.010 ± 0.019 χ^2/NDF : 0.2/17

-0.013 ± 0.018 χ^2/NDF : 0.2/20

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 $\pm$ 0.023 χ^2 /NDF: 11.7/15

Left Out: -0.083 $\pm$ 0.043 χ^2 /NDF: 0.0/1

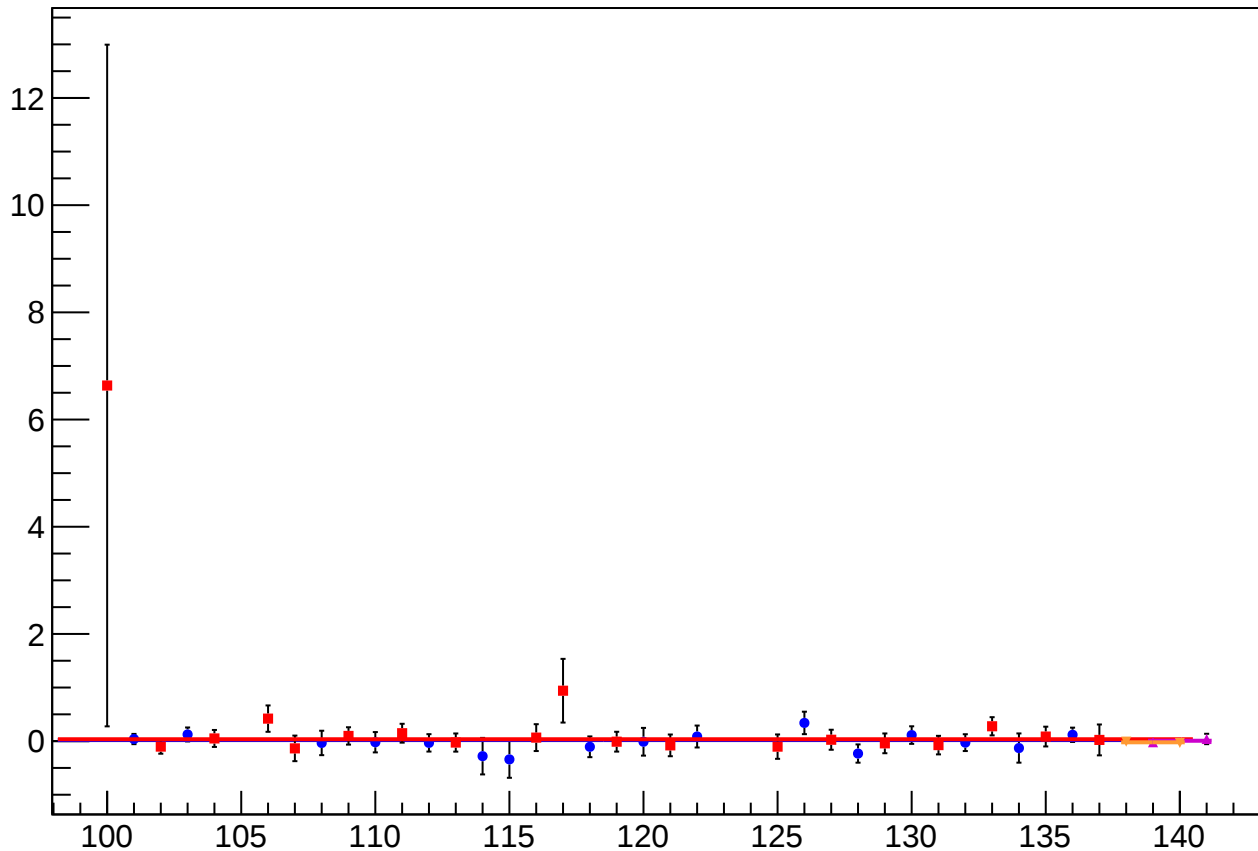
Right Out: -0.089 $\pm$ 0.025 χ^2 /NDF: 13.0/18

Left In: -0.148 $\pm$ 0.060 χ^2 /NDF: 0.3/1

-0.029 $\pm$ 0.021 χ^2 /NDF: 13.8/17

-0.098 $\pm$ 0.023 χ^2 /NDF: 14.1/20

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020+/-0.043 χ^2/NDF : 9.1/15

Left Out: -0.022+/-0.061 χ^2/NDF : 0.0/1

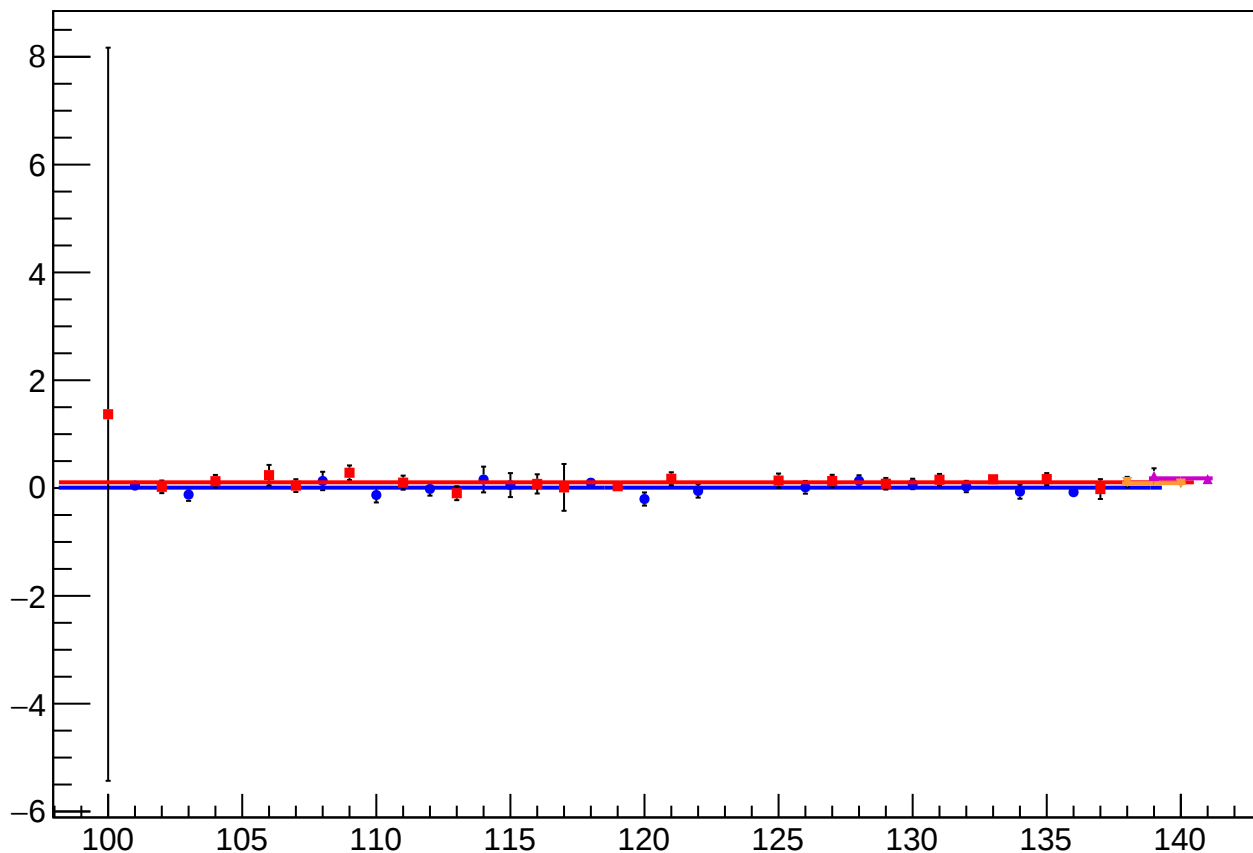
Right Out: 0.035+/-0.045 χ^2/NDF : 11.6/18

Left In: 0.007+/-0.065 χ^2/NDF : 0.2/1

0.006+/-0.035 χ^2/NDF : 9.4/17

0.026+/-0.037 χ^2/NDF : 11.9/20

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 $\pm$ 0.027 χ^2/NDF : 11.3/15

Left Out: 0.091 $\pm$ 0.053 χ^2/NDF : 0.1/1

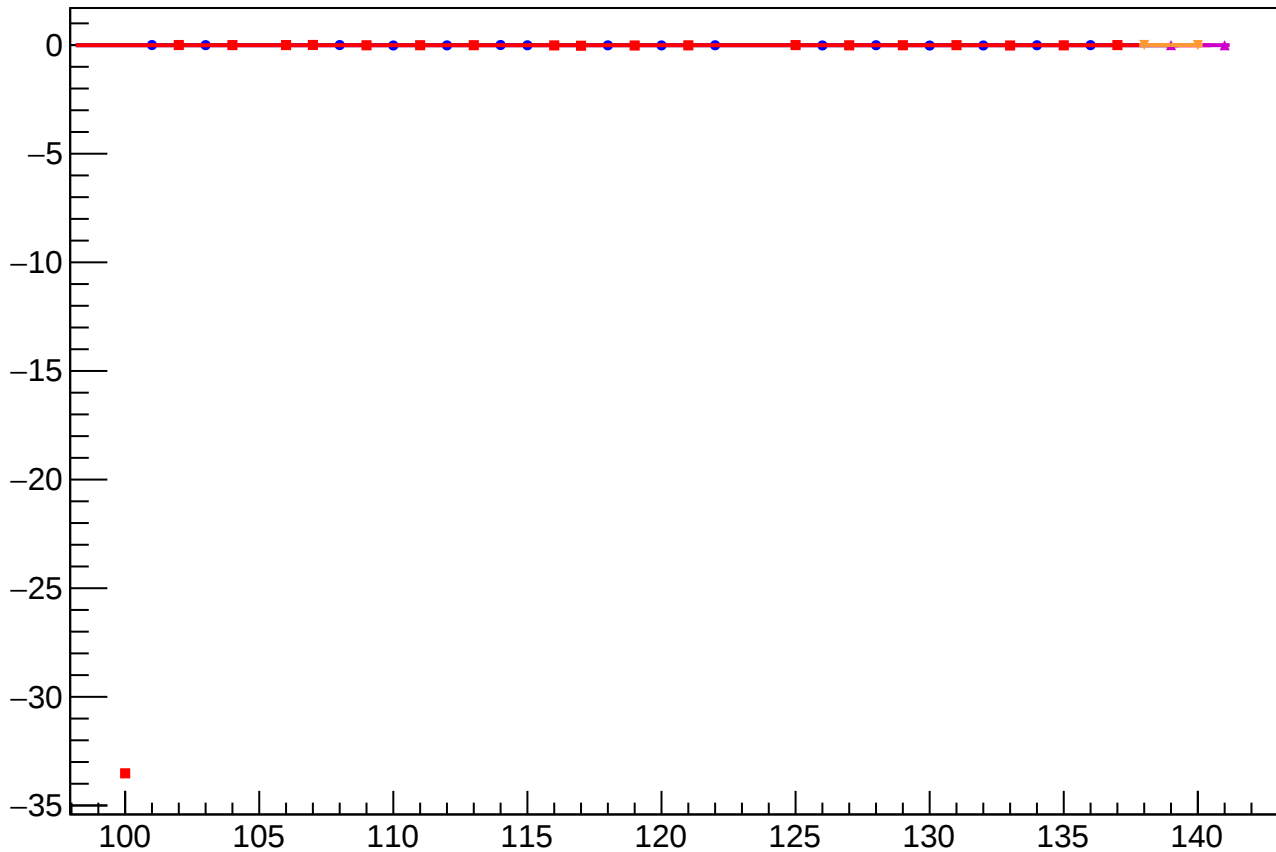
Right Out: 0.106 $\pm$ 0.029 χ^2/NDF : 8.2/18

Left In: 0.180 $\pm$ 0.069 χ^2/NDF : 0.1/1

0.025 $\pm$ 0.024 χ^2/NDF : 13.3/17

0.117 $\pm$ 0.026 χ^2/NDF : 9.3/20

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.003 ± 0.003 χ^2/NDF : 0.9/1

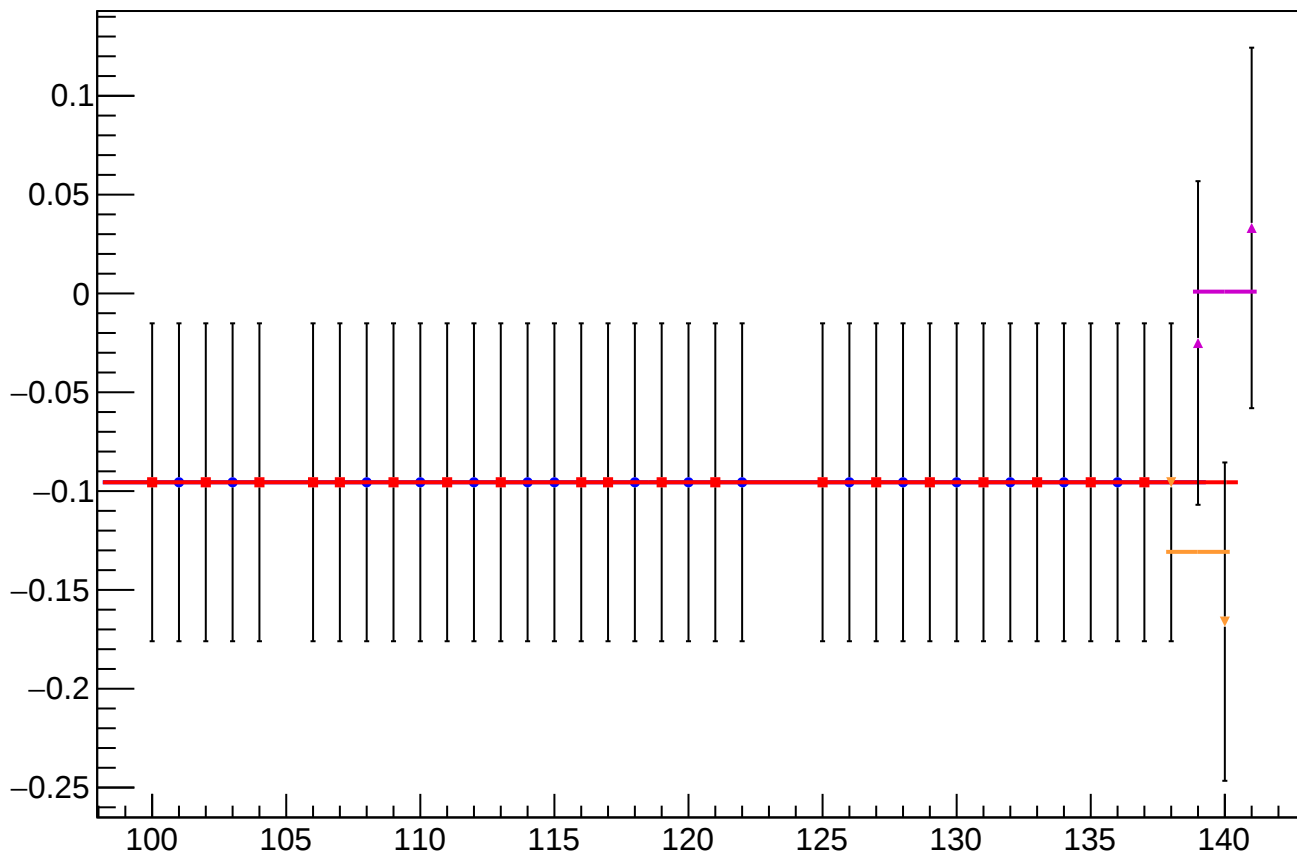
Right Out: -0.006 ± 0.001 χ^2/NDF : 26509.5/18

Left In: -0.004 ± 0.002 χ^2/NDF : 1.3/1

-0.003 ± 0.001 χ^2/NDF : 30.7/17

-0.005 ± 0.001 χ^2/NDF : 26511.5/20

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.096 $\pm$ 0.020 χ^2 /NDF: 0.0/15

Left Out: -0.131 $\pm$ 0.057 χ^2 /NDF: 0.4/1

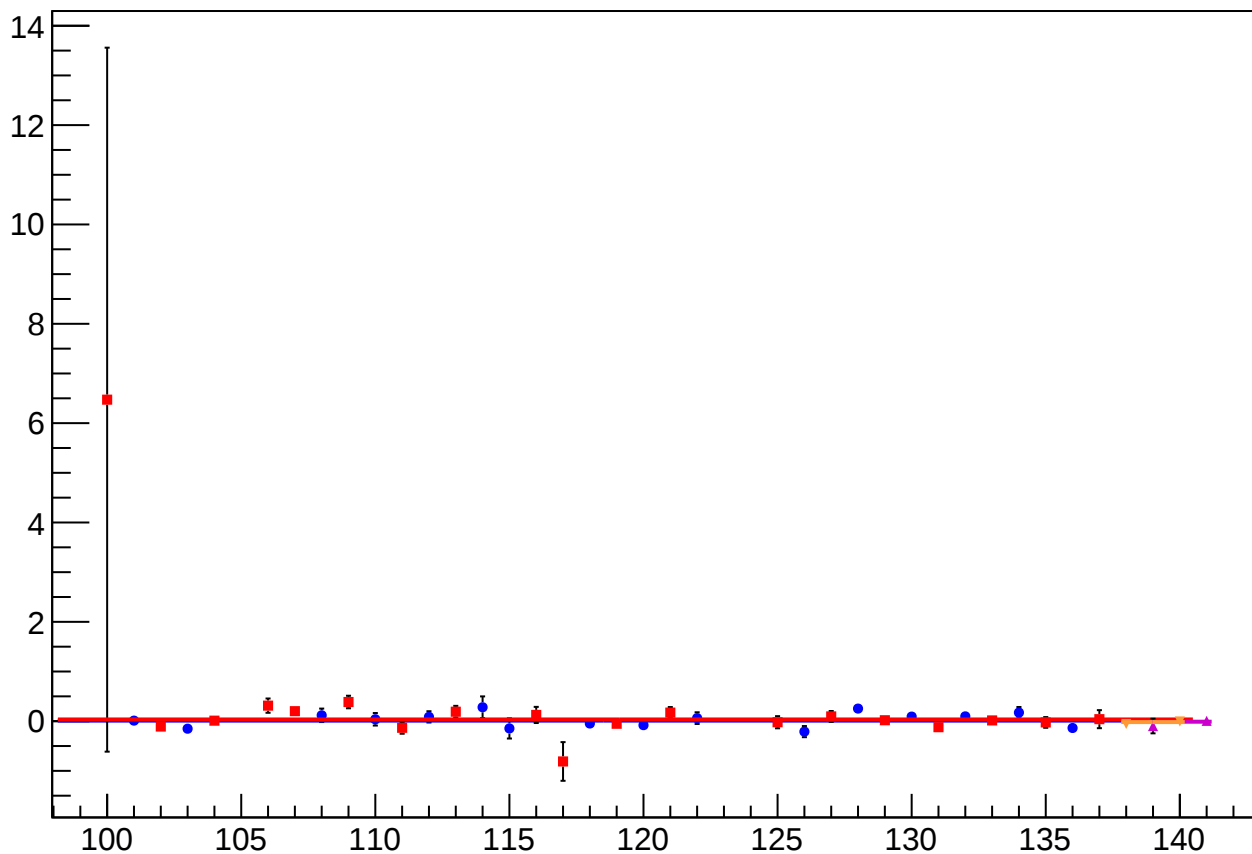
Right Out: -0.096 $\pm$ 0.018 χ^2 /NDF: 0.0/18

Left In: 0.001 $\pm$ 0.061 χ^2 /NDF: 0.2/1

-0.099 $\pm$ 0.019 χ^2 /NDF: 0.7/17

-0.087 $\pm$ 0.018 χ^2 /NDF: 2.5/20

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.018 ± 0.043 χ^2/NDF : 0.3/1

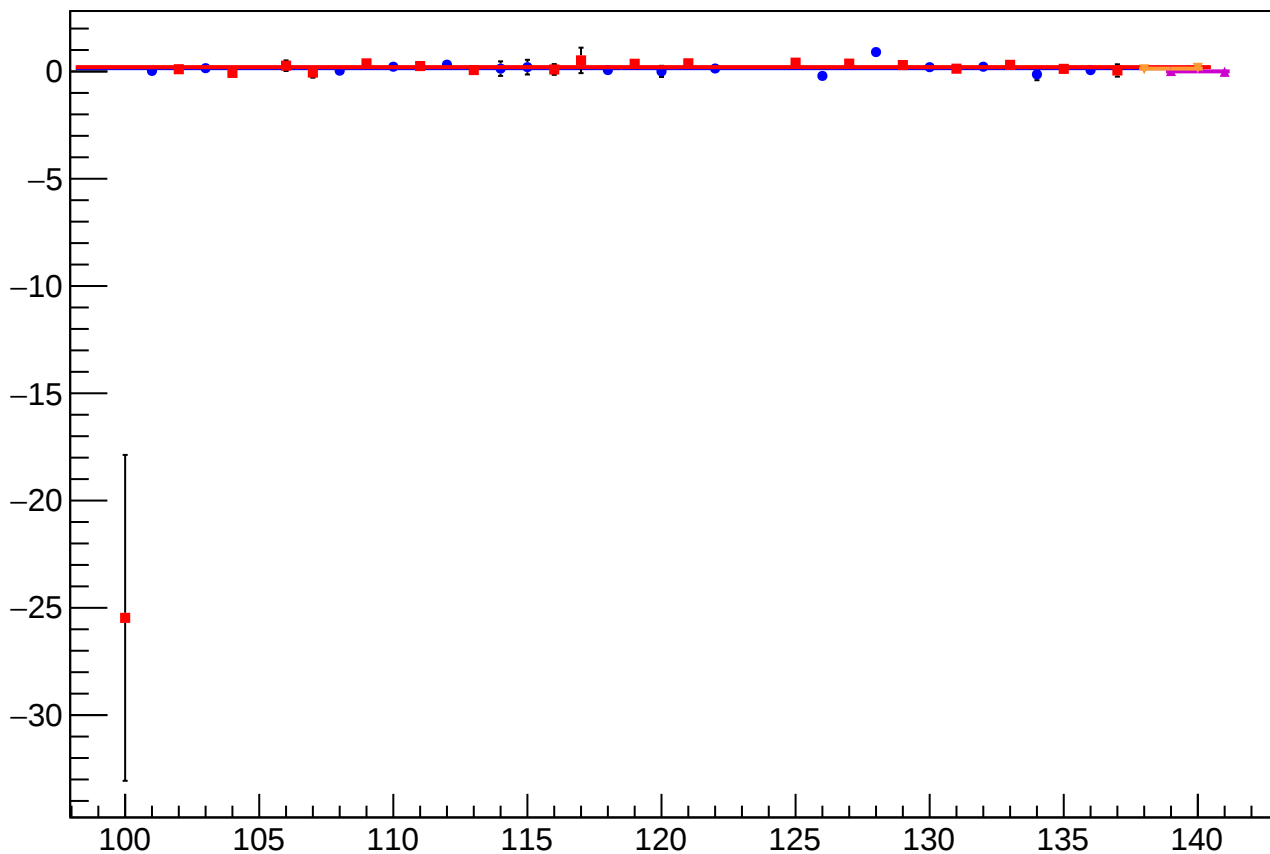
Right Out: 0.035 ± 0.025 χ^2/NDF : 33.2/18

Left In: -0.010 ± 0.060 χ^2/NDF : 0.4/1

0.005 ± 0.021 χ^2/NDF : 25.7/17

0.028 ± 0.023 χ^2/NDF : 34.1/20

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

Left Out: 0.135 $\pm$ 0.061 χ^2 /NDF: 0.3/1

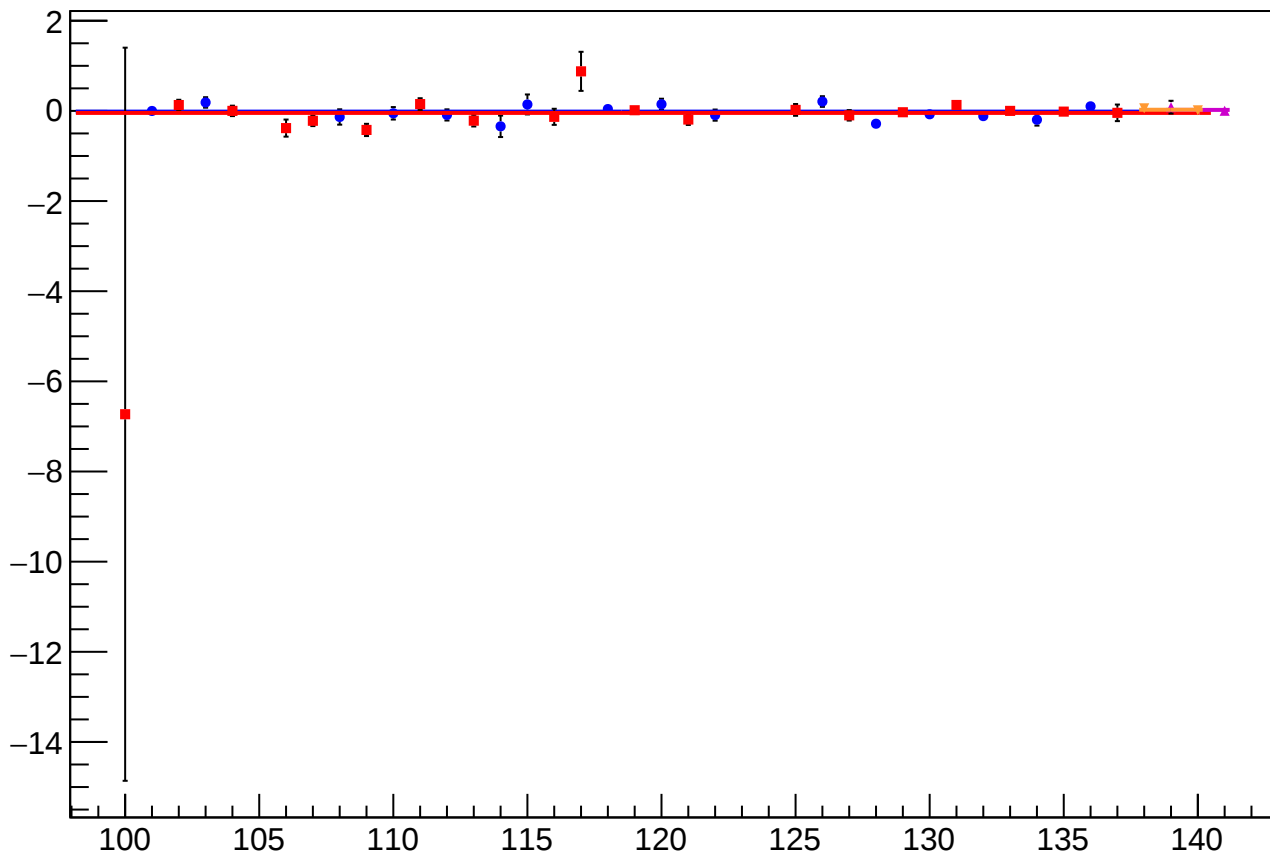
Right Out: 0.203 $\pm$ 0.045 χ^2 /NDF: 22.9/18

Left In: 0.005 $\pm$ 0.065 χ^2 /NDF: 0.1/1

0.148 $\pm$ 0.035 χ^2 /NDF: 28.3/17

0.139 $\pm$ 0.037 χ^2 /NDF: 29.2/20

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.026 ± 0.053 χ^2/NDF : 0.1/1

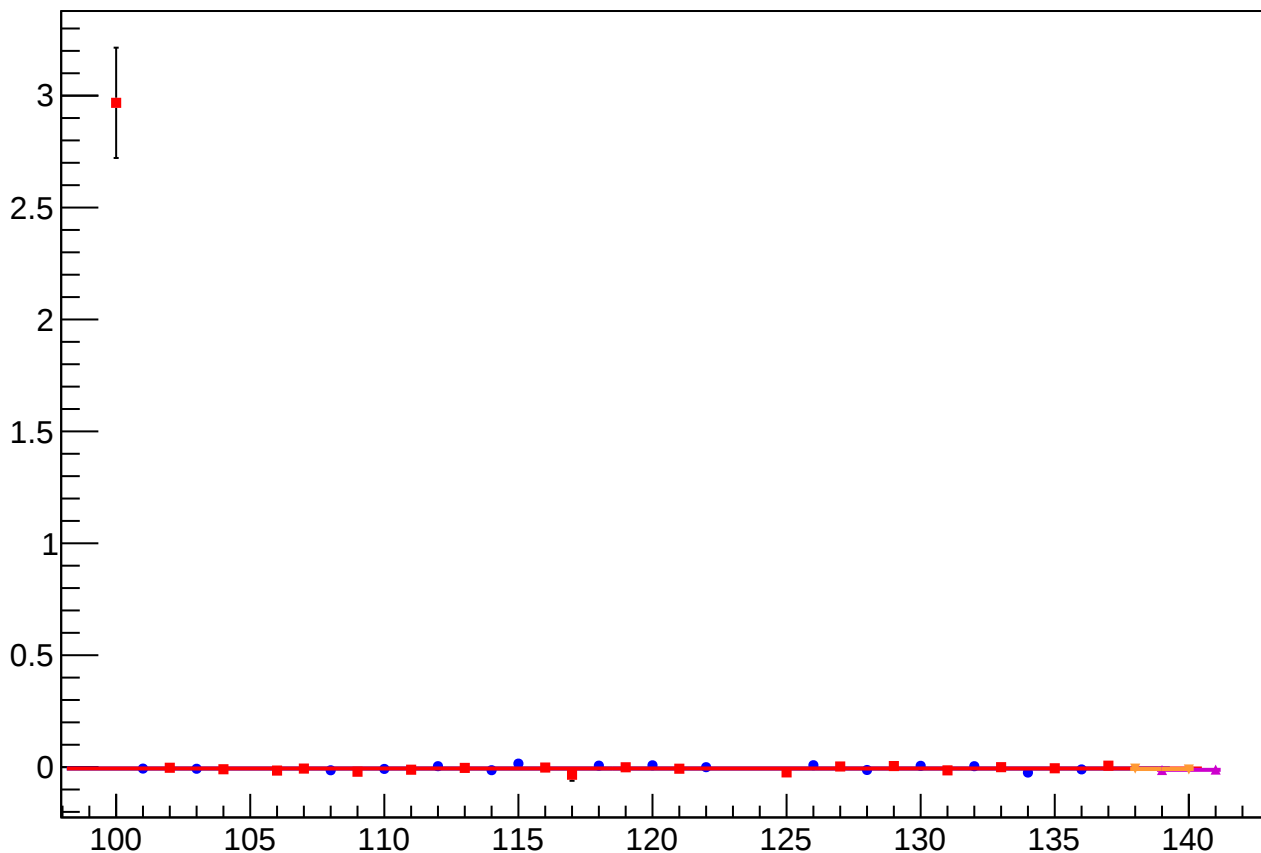
Right Out: -0.044 ± 0.029 χ^2/NDF : 30.5/18

Left In: 0.022 ± 0.069 χ^2/NDF : 0.2/1

-0.007 ± 0.024 χ^2/NDF : 25.0/17

-0.035 ± 0.026 χ^2/NDF : 31.5/20

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.008 ± 0.003 χ^2/NDF : 0.6/1

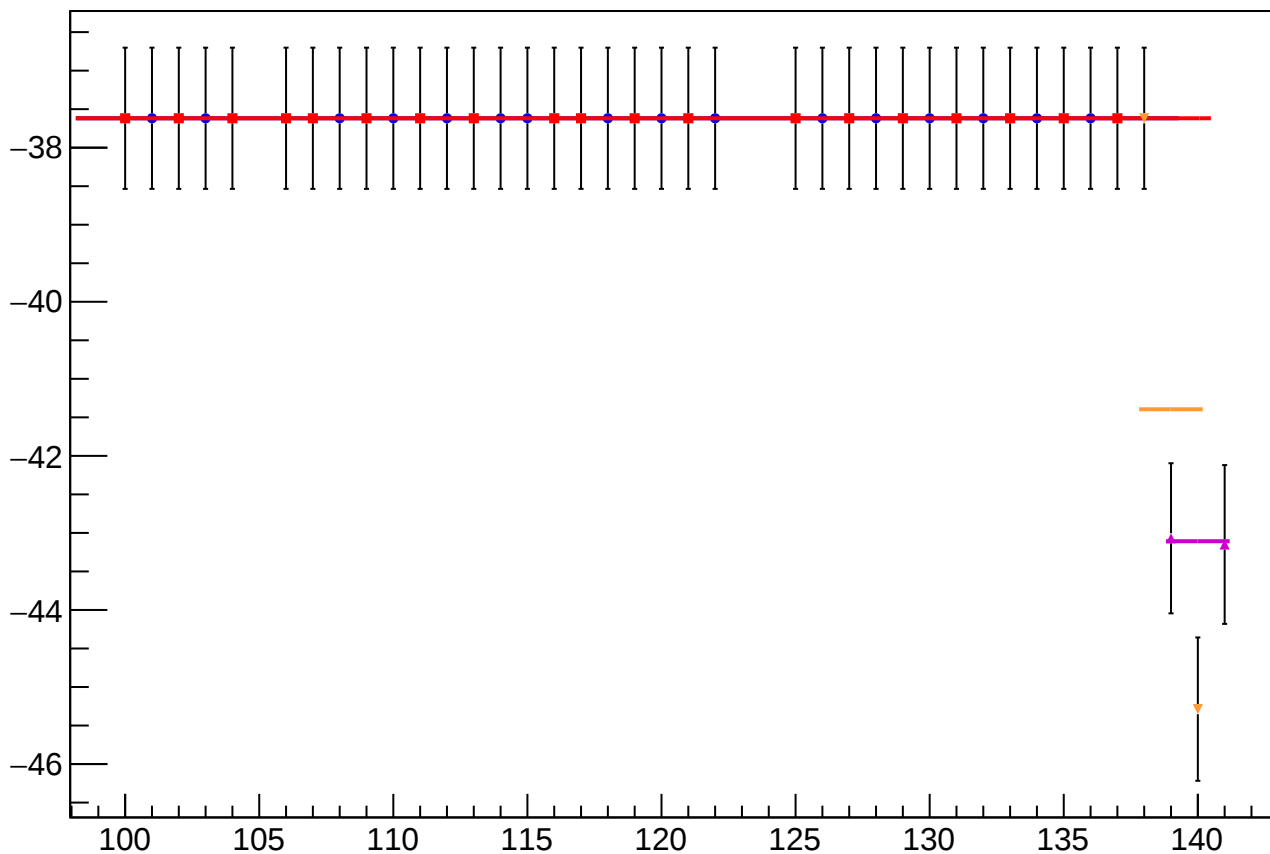
Right Out: -0.006 ± 0.001 χ^2/NDF : 167.0/18

Left In: -0.012 ± 0.002 χ^2/NDF : 0.1/1

-0.007 ± 0.001 χ^2/NDF : 28.6/17

-0.008 ± 0.001 χ^2/NDF : 171.7/20

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -37.618 ± 0.229 χ^2/NDF : 0.0/15

Left Out: -41.395 ± 0.653 χ^2/NDF : 34.5/1

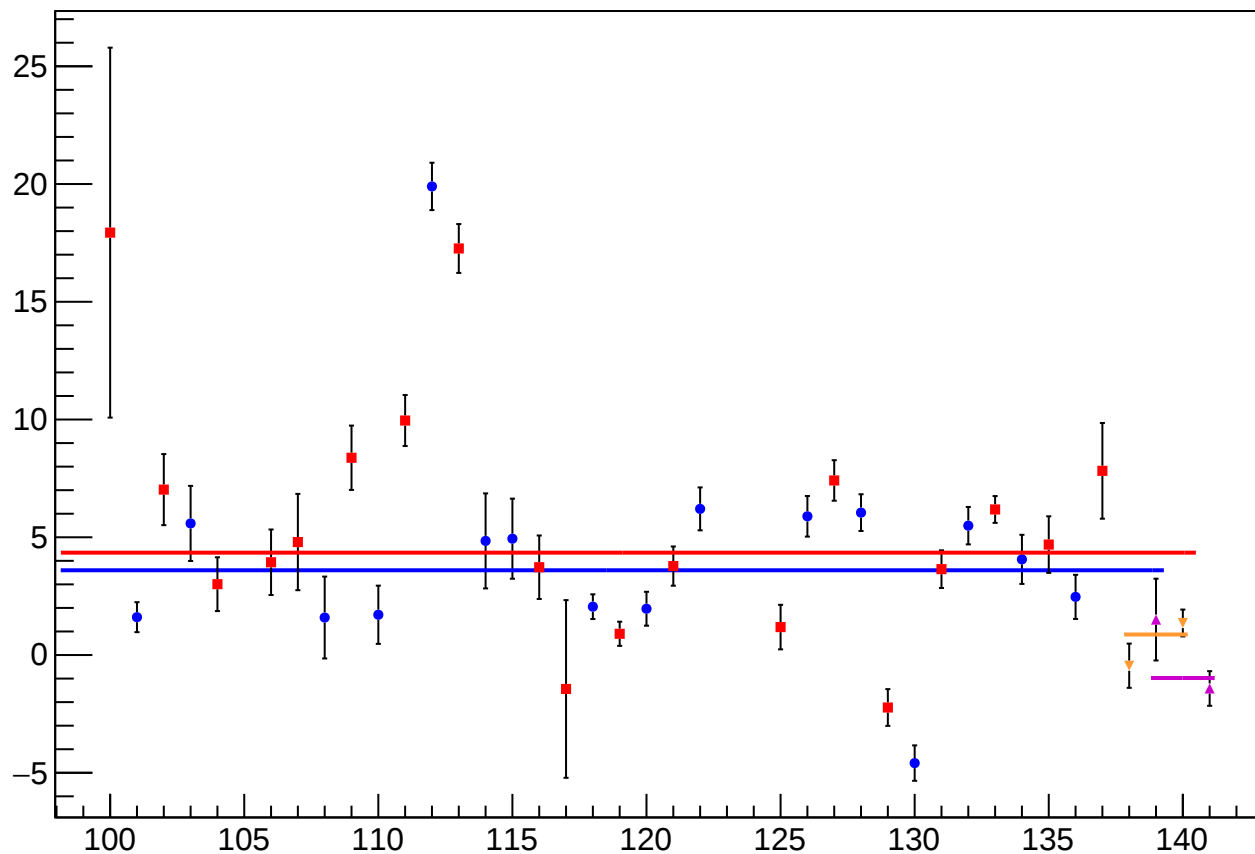
Right Out: -37.618 ± 0.210 χ^2/NDF : 0.0/18

Left In: -43.108 ± 0.708 χ^2/NDF : 0.0/1

-38.033 ± 0.216 χ^2/NDF : 64.3/17

-38.063 ± 0.202 χ^2/NDF : 55.3/20

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 0.871 ± 0.487 χ^2/NDF : 2.7/1

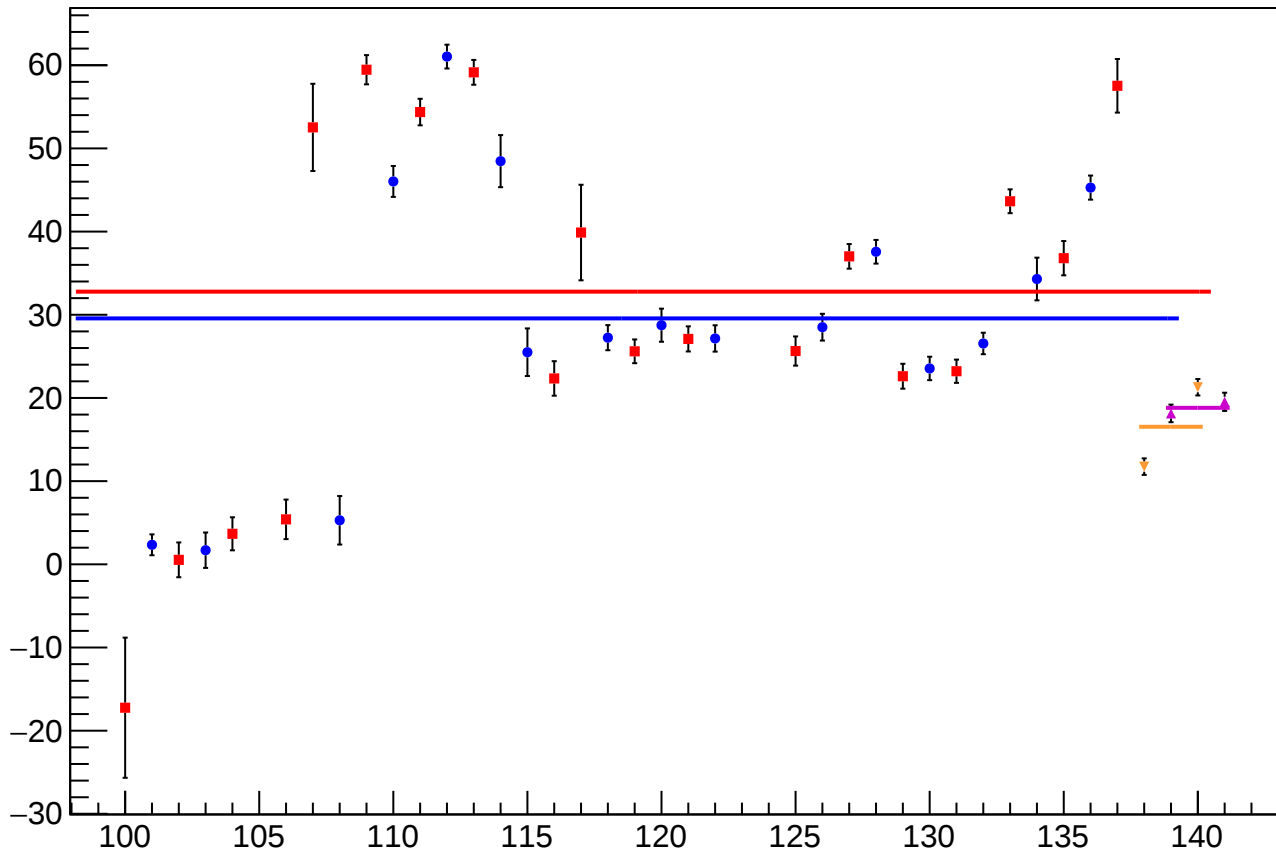
Right Out: 4.347 ± 0.224 χ^2/NDF : 355.4/18

Left In: -0.976 ± 0.677 χ^2/NDF : 2.4/1

3.136 ± 0.201 χ^2/NDF : 472.2/17

3.820 ± 0.213 χ^2/NDF : 413.5/20

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 ± 0.420 χ^2/NDF : 1494.6/15

Left Out: 16.534 ± 0.701 χ^2/NDF : 46.3/1

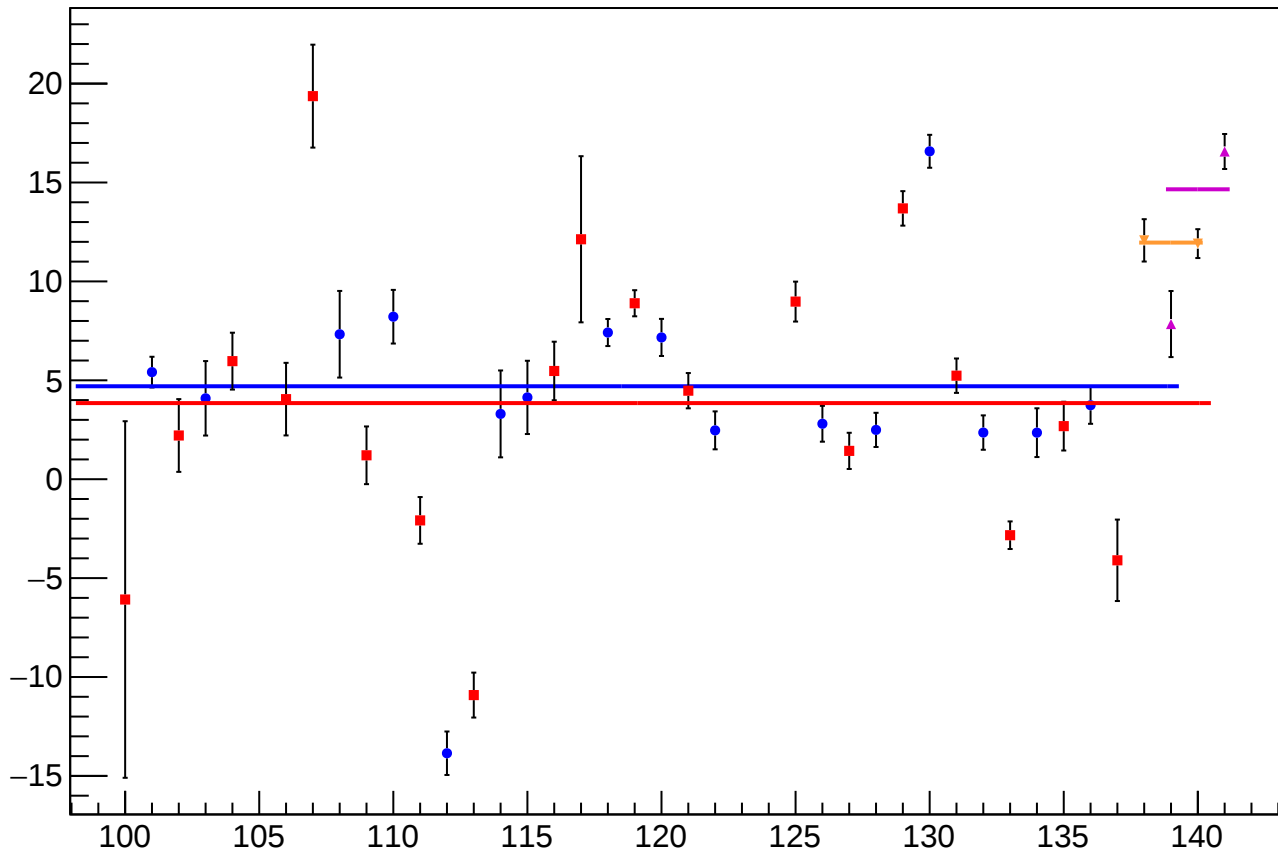
Right Out: 32.780 ± 0.422 χ^2/NDF : 1664.8/18

Left In: 18.813 ± 0.761 χ^2/NDF : 0.8/1

26.131 ± 0.360 χ^2/NDF : 1795.0/17

29.497 ± 0.369 χ^2/NDF : 1923.6/20

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 11.963 ± 0.603 χ^2/NDF : 0.0/1

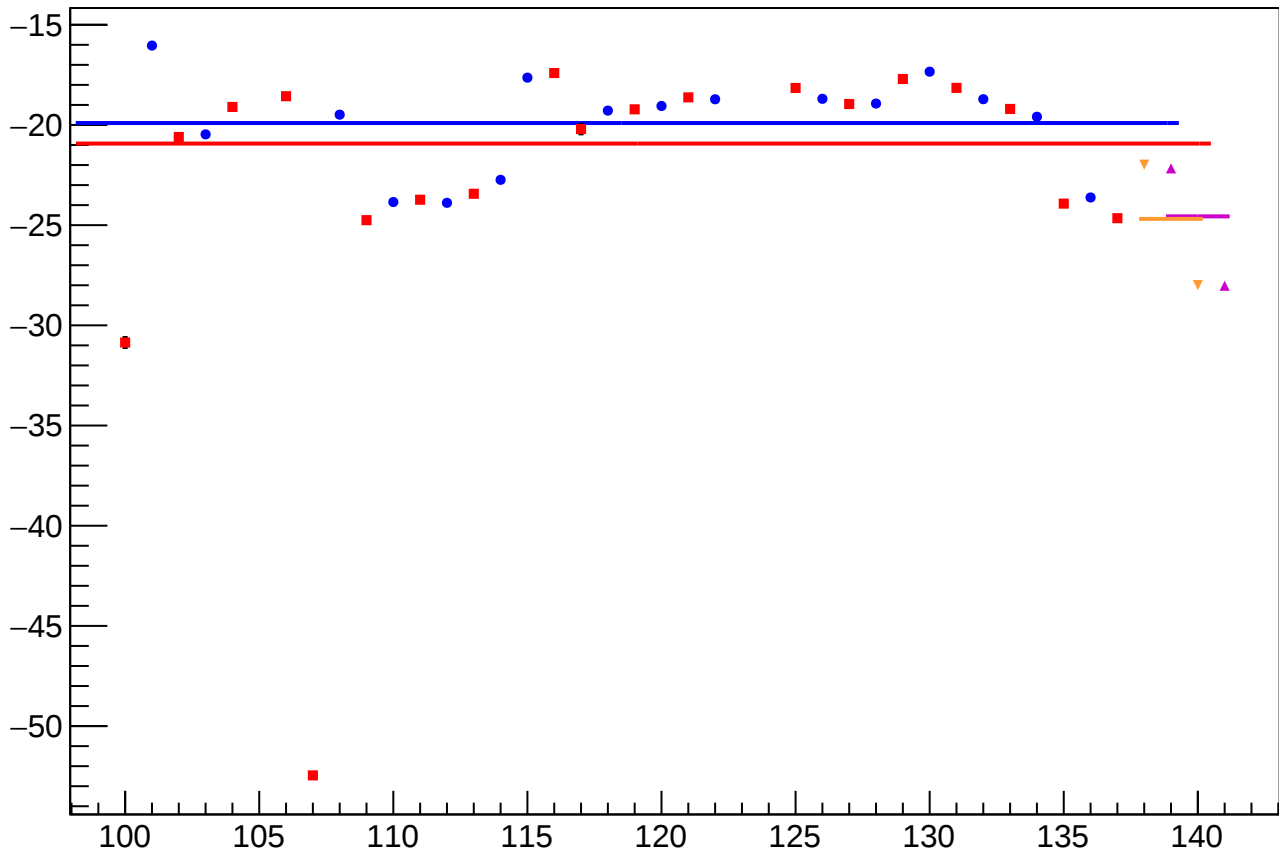
Right Out: 3.848 ± 0.258 χ^2/NDF : 571.5/18

Left In: 14.656 ± 0.782 χ^2/NDF : 21.3/1

5.794 ± 0.234 χ^2/NDF : 672.2/17

4.909 ± 0.245 χ^2/NDF : 765.2/20

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -24.686 ± 0.029 $\chi^2/\text{NDF}: 10642.3/1$

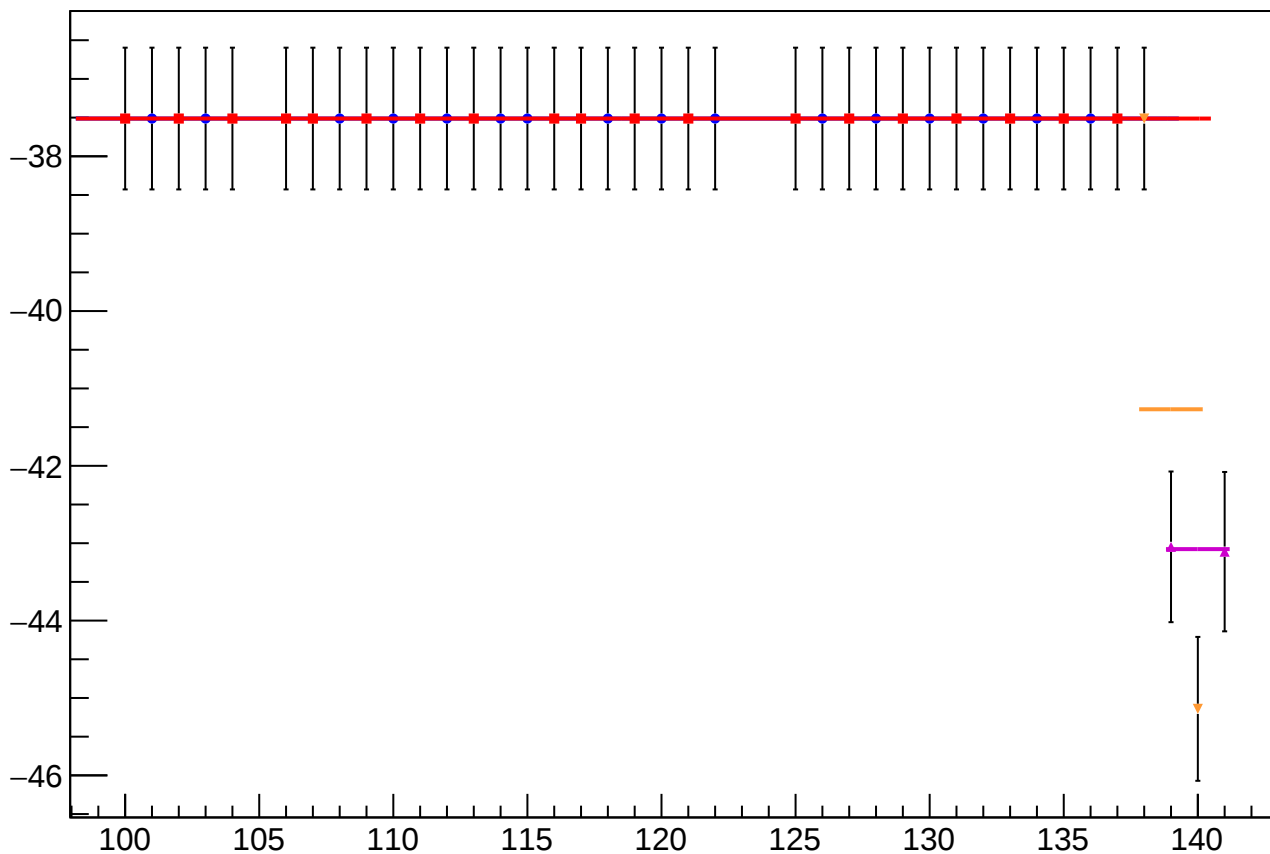
Right Out: -20.928 ± 0.016 $\chi^2/\text{NDF}: 94015.9/18$

Left In: -24.562 ± 0.028 $\chi^2/\text{NDF}: 10328.7/1$

-20.982 ± 0.014 $\chi^2/\text{NDF}: 57786.4/17$

-21.781 ± 0.014 $\chi^2/\text{NDF}: 116924.1/20$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -37.512 ± 0.229 χ^2/NDF : 0.0/15

Left Out: -41.269 ± 0.652 χ^2/NDF : 34.2/1

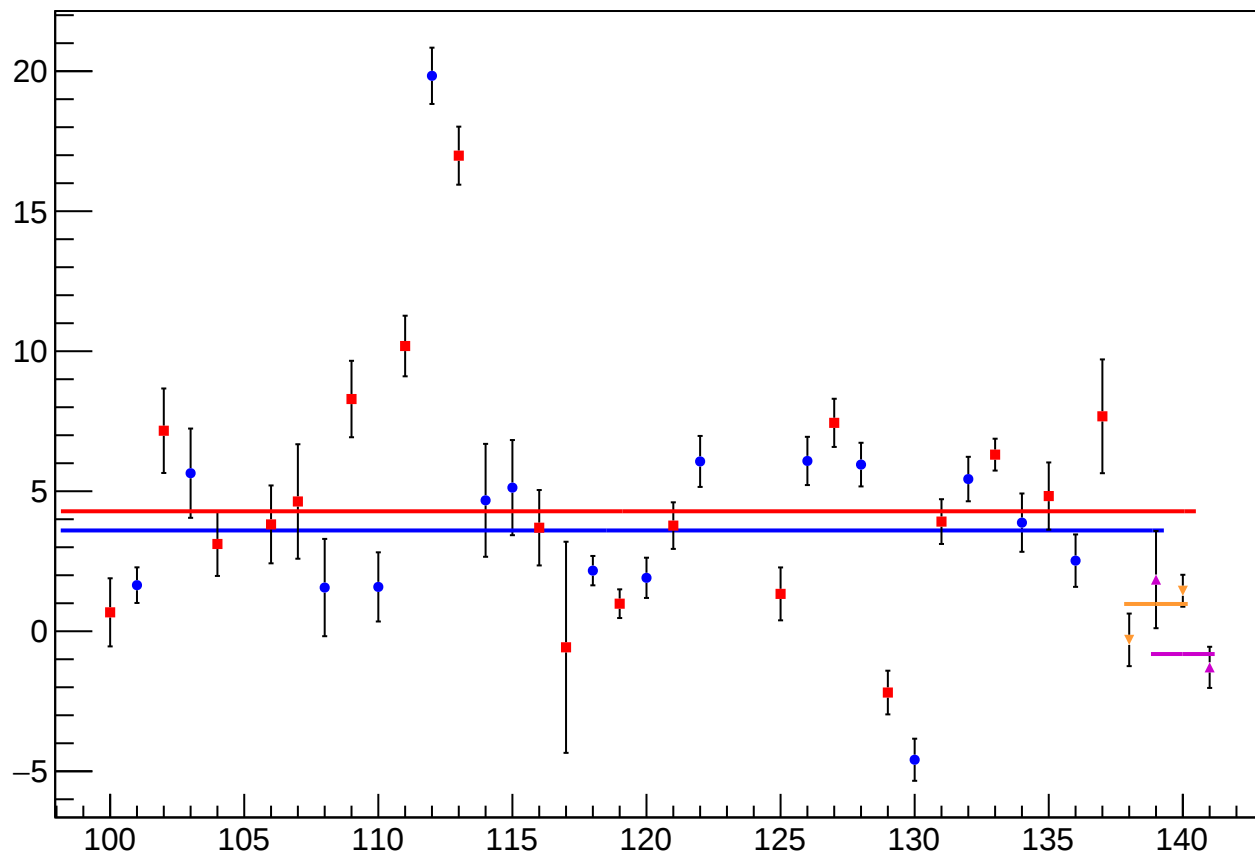
Right Out: -37.512 ± 0.210 χ^2/NDF : 0.0/18

Left In: -43.076 ± 0.707 χ^2/NDF : 0.0/1

-37.924 ± 0.216 χ^2/NDF : 63.7/17

-37.963 ± 0.201 χ^2/NDF : 56.8/20

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 440.3/15$

Left Out: 0.974 ± 0.487 $\chi^2/\text{NDF}: 2.6/1$

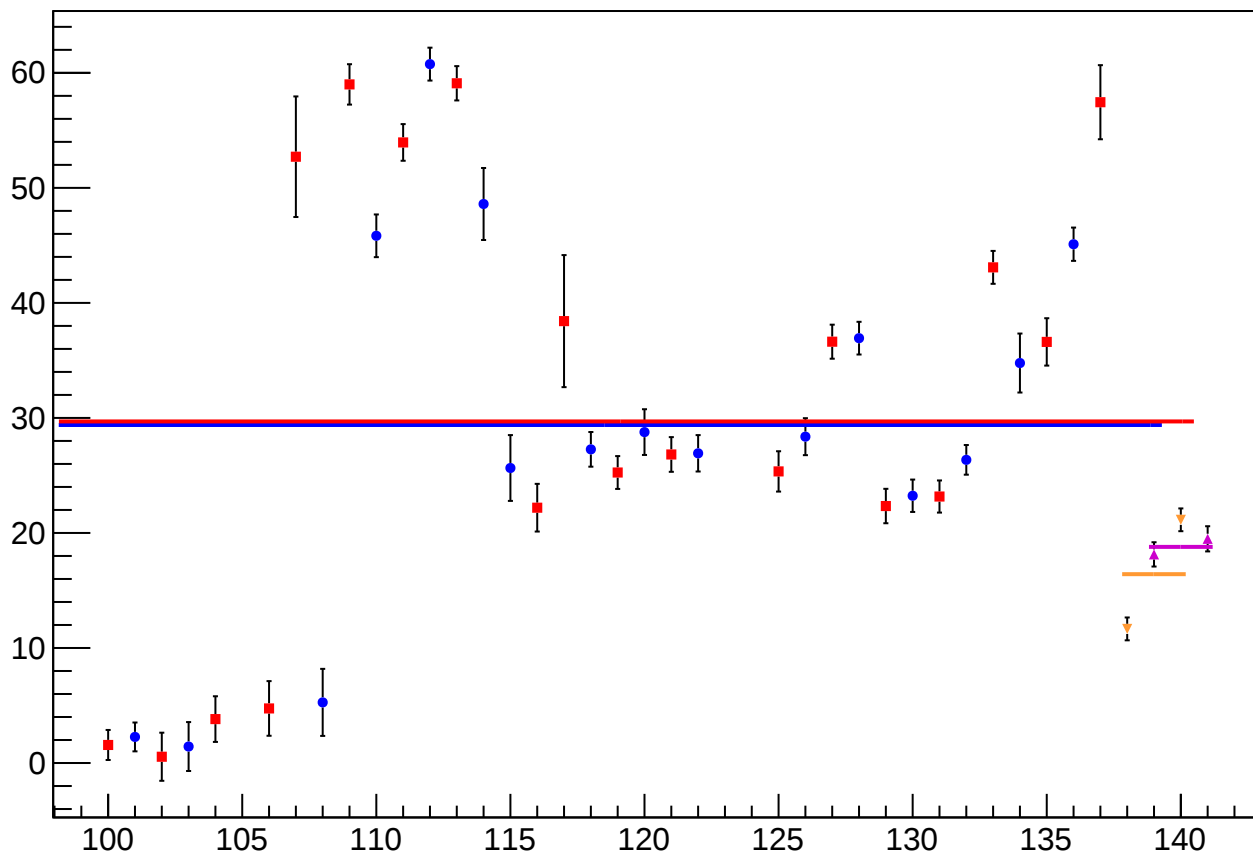
Right Out: 4.284 ± 0.221 $\chi^2/\text{NDF}: 353.8/18$

Left In: -0.813 ± 0.677 $\chi^2/\text{NDF}: 2.8/1$

3.154 ± 0.201 $\chi^2/\text{NDF}: 466.9/17$

3.794 ± 0.210 $\chi^2/\text{NDF}: 407.8/20$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 16.417 $\pm$ 0.701 χ^2 /NDF:45.8/1

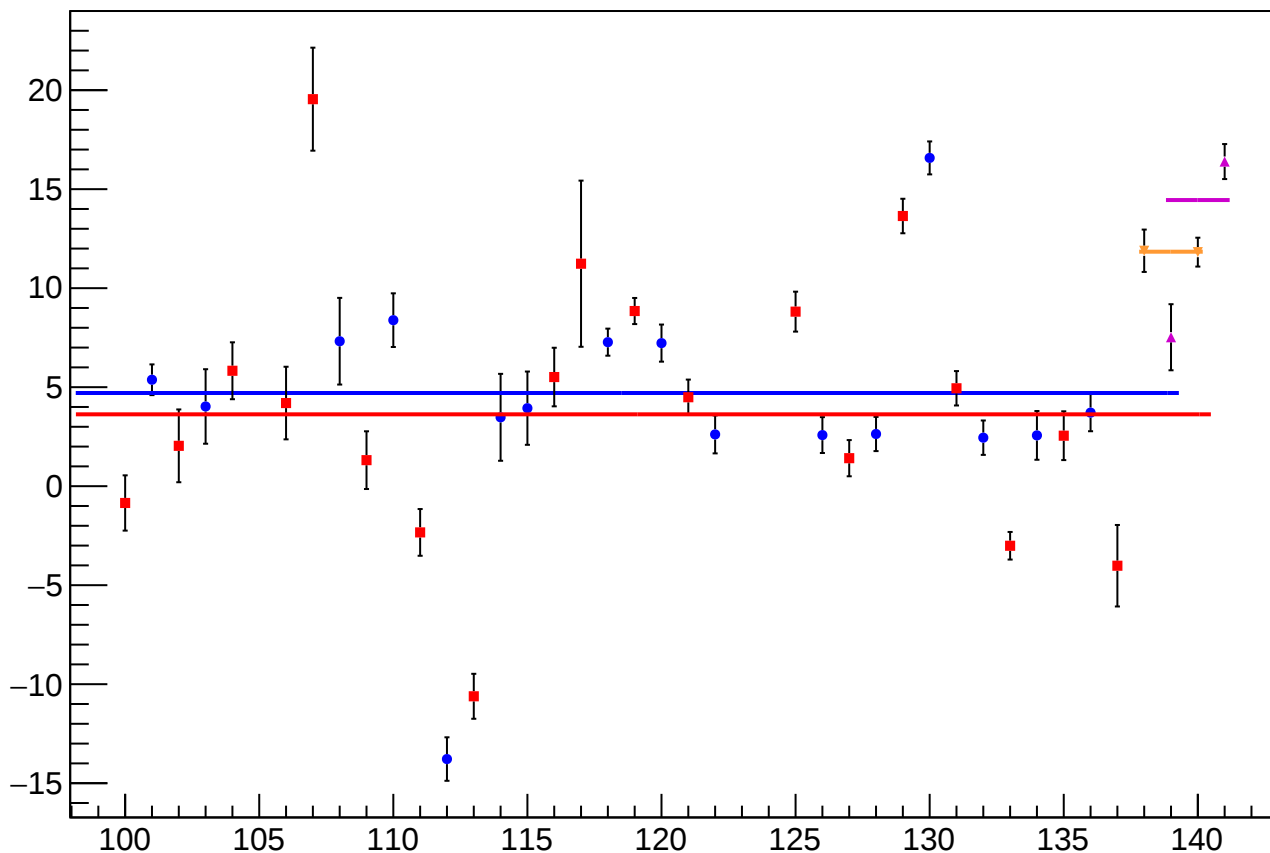
Right Out: 29.695 $\pm$ 0.401 χ^2 /NDF: 2133.3/18

Left In: 18.789 $\pm$ 0.760 χ^2 /NDF:0.8/1

25.971 $\pm$ 0.360 χ^2 /NDF: 1786.5/17

27.317 $\pm$ 0.355 χ^2 /NDF: 2295.1/20

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706+/-0.254 χ^2/NDF : 545.2/15

Left Out: 11.842+/-0.603 χ^2/NDF : 0.0/1

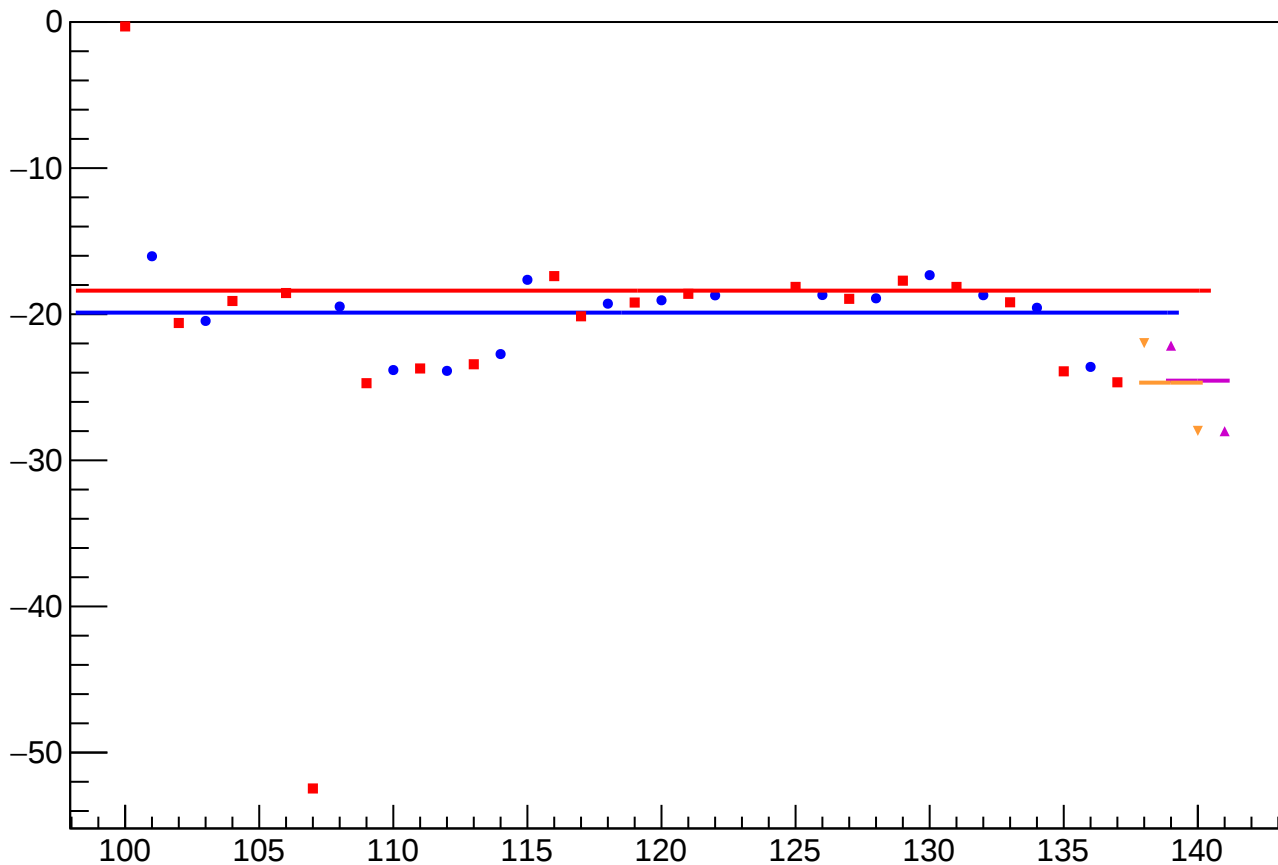
Right Out: 3.629+/-0.254 χ^2/NDF : 576.7/18

Left In: 14.451+/-0.781 χ^2/NDF : 22.1/1

5.782+/-0.234 χ^2/NDF : 664.3/17

4.661+/-0.241 χ^2/NDF : 772.5/20

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -24.682 ± 0.029 $\chi^2/\text{NDF}: 10627.6/1$

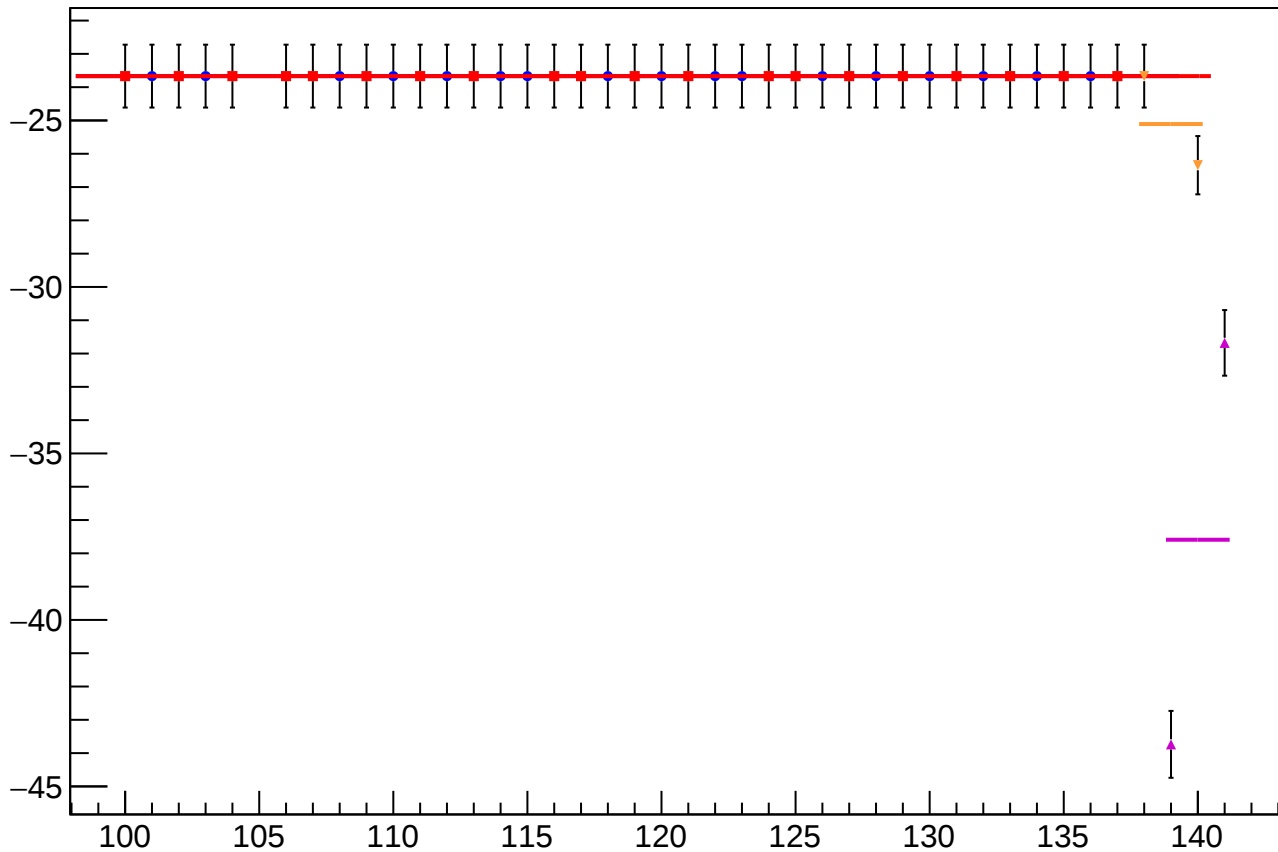
Right Out: -18.386 ± 0.015 $\chi^2/\text{NDF}: 301044.3/18$

Left In: -24.546 ± 0.028 $\chi^2/\text{NDF}: 10328.7/1$

-20.971 ± 0.014 $\chi^2/\text{NDF}: 57850.2/17$

-19.697 ± 0.013 $\chi^2/\text{NDF}: 348623.7/20$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -23.668 $\pm$ 0.229 χ^2 /NDF: 0.0/16

Left Out: -25.108 $\pm$ 0.642 χ^2 /NDF: 4.3/1

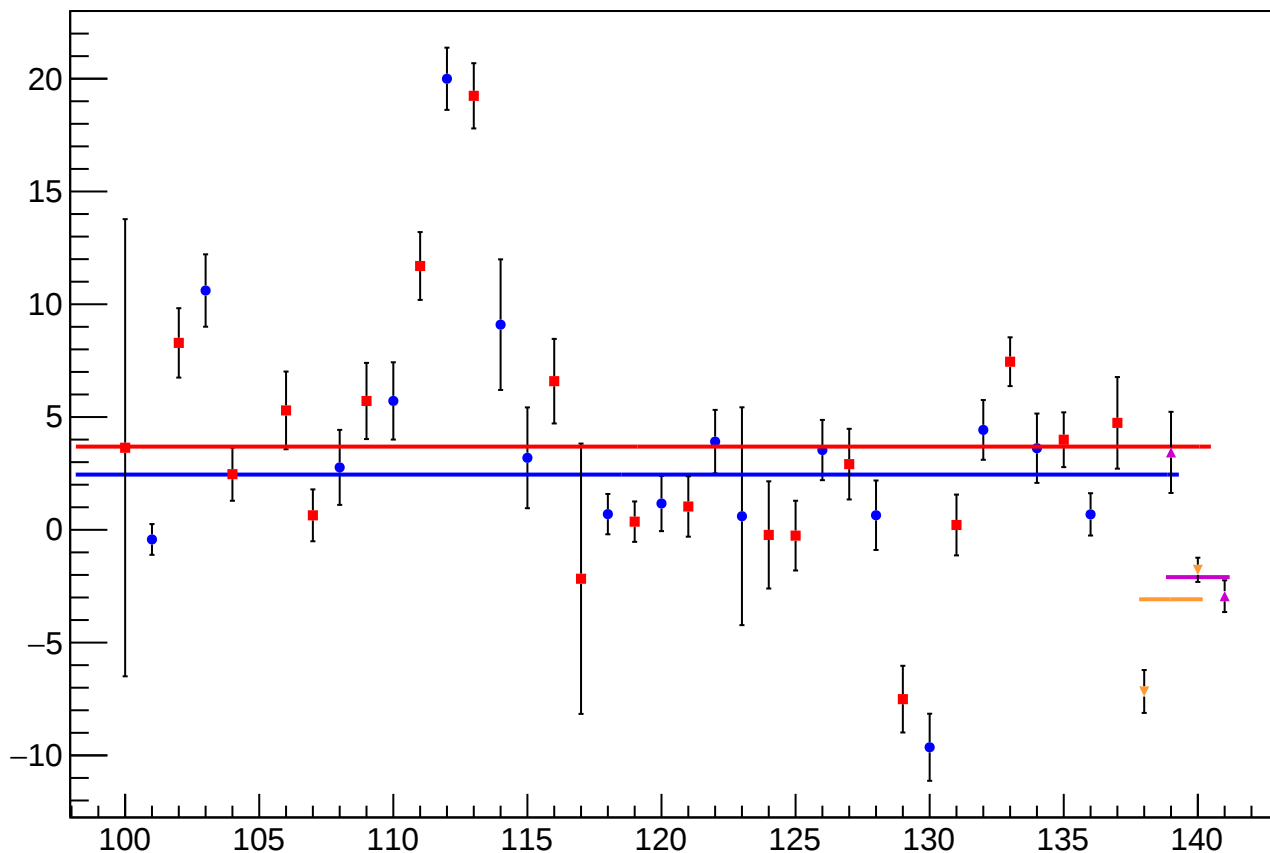
Right Out: -23.668 $\pm$ 0.211 χ^2 /NDF: 0.0/19

Left In: -37.592 $\pm$ 0.703 χ^2 /NDF: 73.4/1

-23.831 $\pm$ 0.216 χ^2 /NDF: 8.8/18

-24.819 $\pm$ 0.202 χ^2 /NDF: 432.9/21

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: -3.080 ± 0.468 χ^2/NDF : 24.4/1

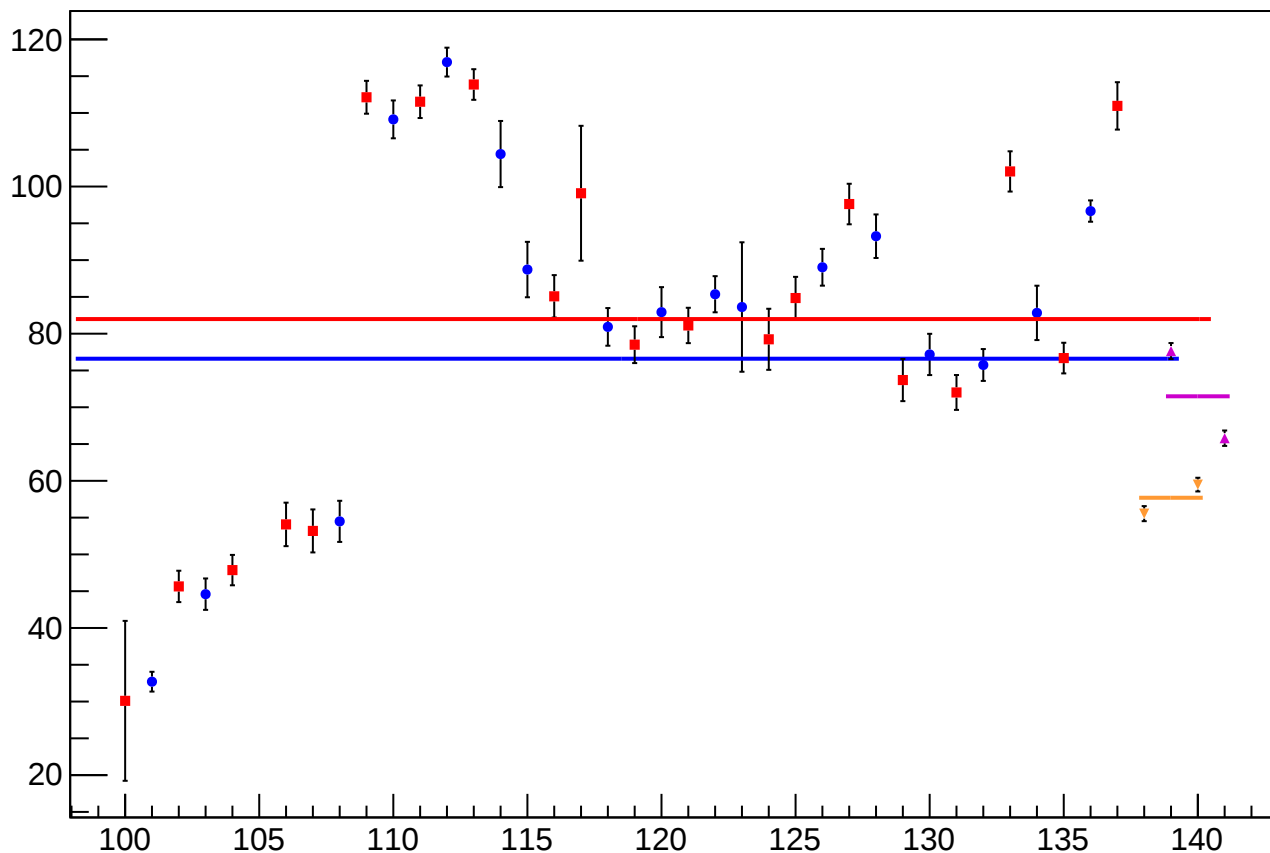
Right Out: 3.690 ± 0.326 χ^2/NDF : 270.4/19

Left In: -2.096 ± 0.655 χ^2/NDF : 10.9/1

0.728 ± 0.261 χ^2/NDF : 416.0/18

2.542 ± 0.292 χ^2/NDF : 343.8/21

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598+/-0.576 χ^2 /NDF: 2255.1/16

Left Out: 57.700+/-0.689 χ^2 /NDF: 8.1/1

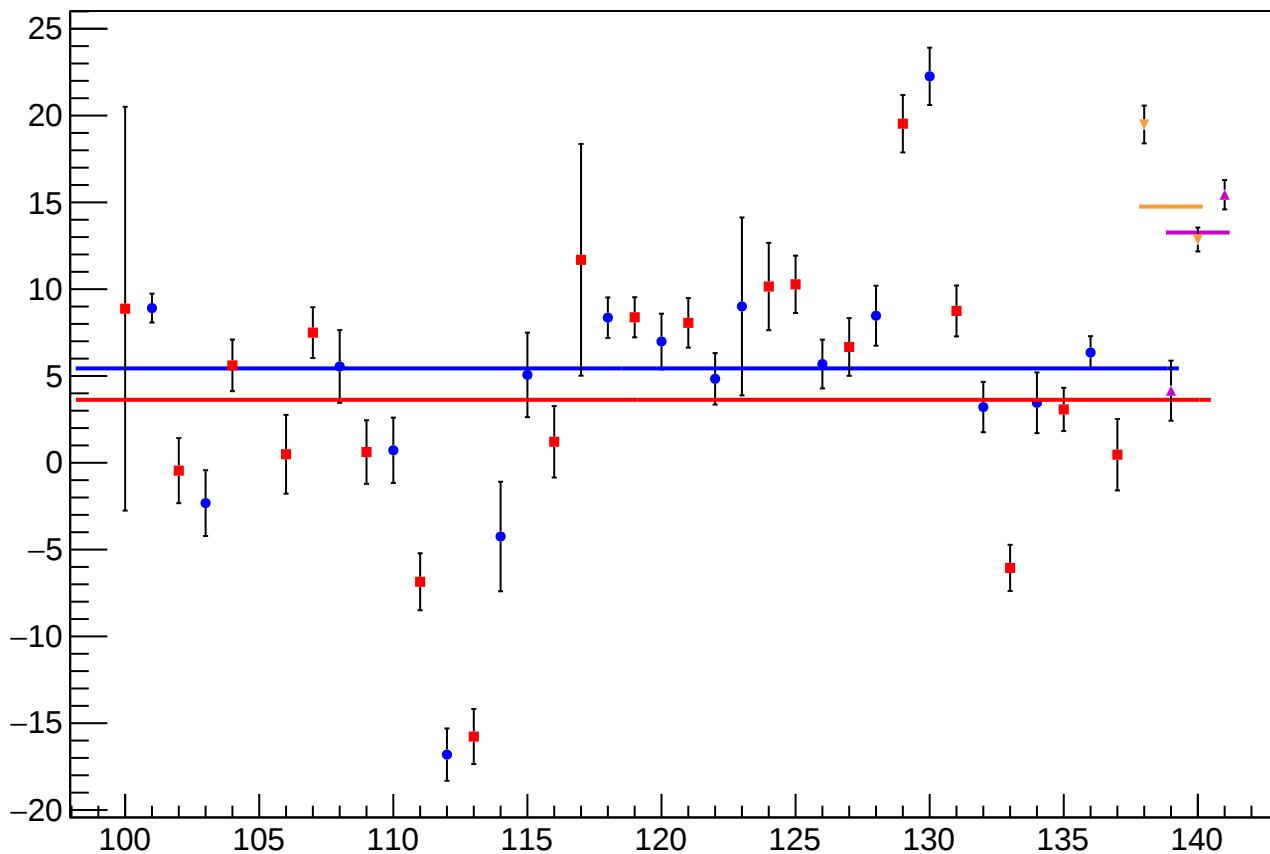
Right Out: 81.987+/-0.591 χ^2 /NDF: 1574.2/19

Left In: 71.489+/-0.755 χ^2 /NDF: 61.5/1

68.824+/-0.442 χ^2 /NDF: 2705.9/18

77.998+/-0.465 χ^2 /NDF: 1755.7/21

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 χ^2/NDF : 387.2/16

Left Out: 14.753 ± 0.581 χ^2/NDF : 26.5/1

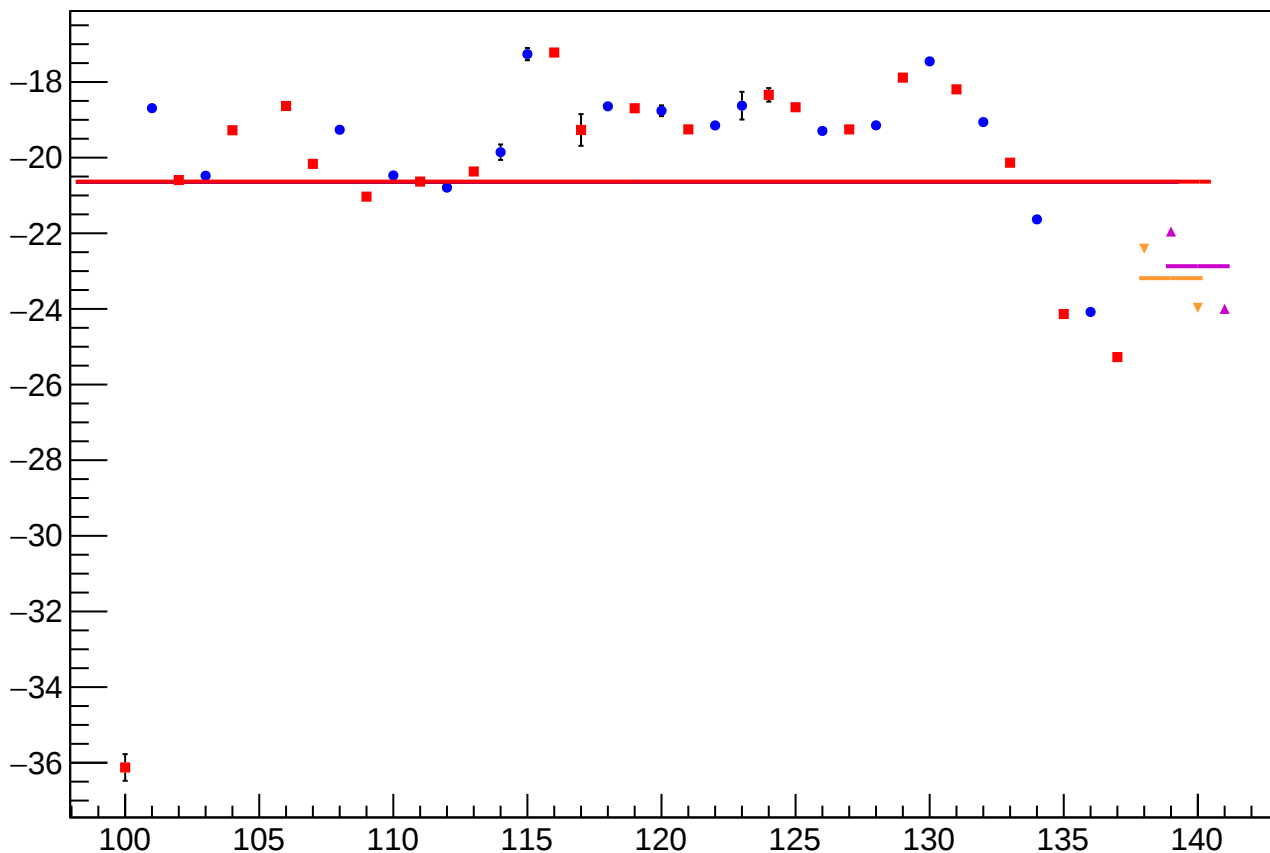
Right Out: 3.628 ± 0.374 χ^2/NDF : 424.8/19

Left In: 13.263 ± 0.760 χ^2/NDF : 34.3/1

8.022 ± 0.306 χ^2/NDF : 599.2/18

5.510 ± 0.336 χ^2/NDF : 588.5/21

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -23.186 ± 0.029 $\chi^2/\text{NDF}: 744.5/1$

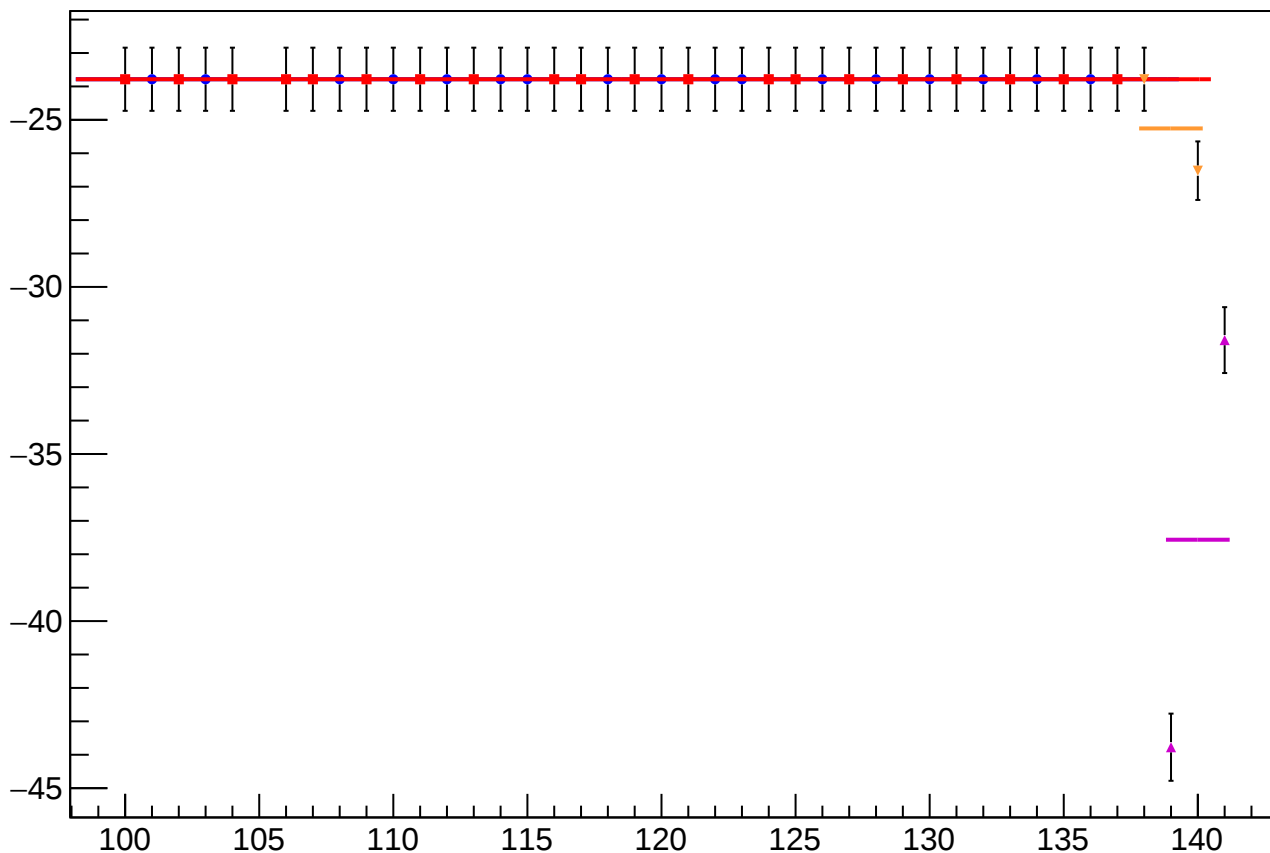
Right Out: -20.635 ± 0.019 $\chi^2/\text{NDF}: 13794.0/19$

Left In: -22.870 ± 0.028 $\chi^2/\text{NDF}: 1284.7/1$

-21.437 ± 0.016 $\chi^2/\text{NDF}: 18587.2/18$

-21.349 ± 0.016 $\chi^2/\text{NDF}: 19302.6/21$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -23.785 $\pm$ 0.229 χ^2/NDF : 0.0/16

Left Out: -25.257 $\pm$ 0.642 χ^2/NDF : 4.5/1

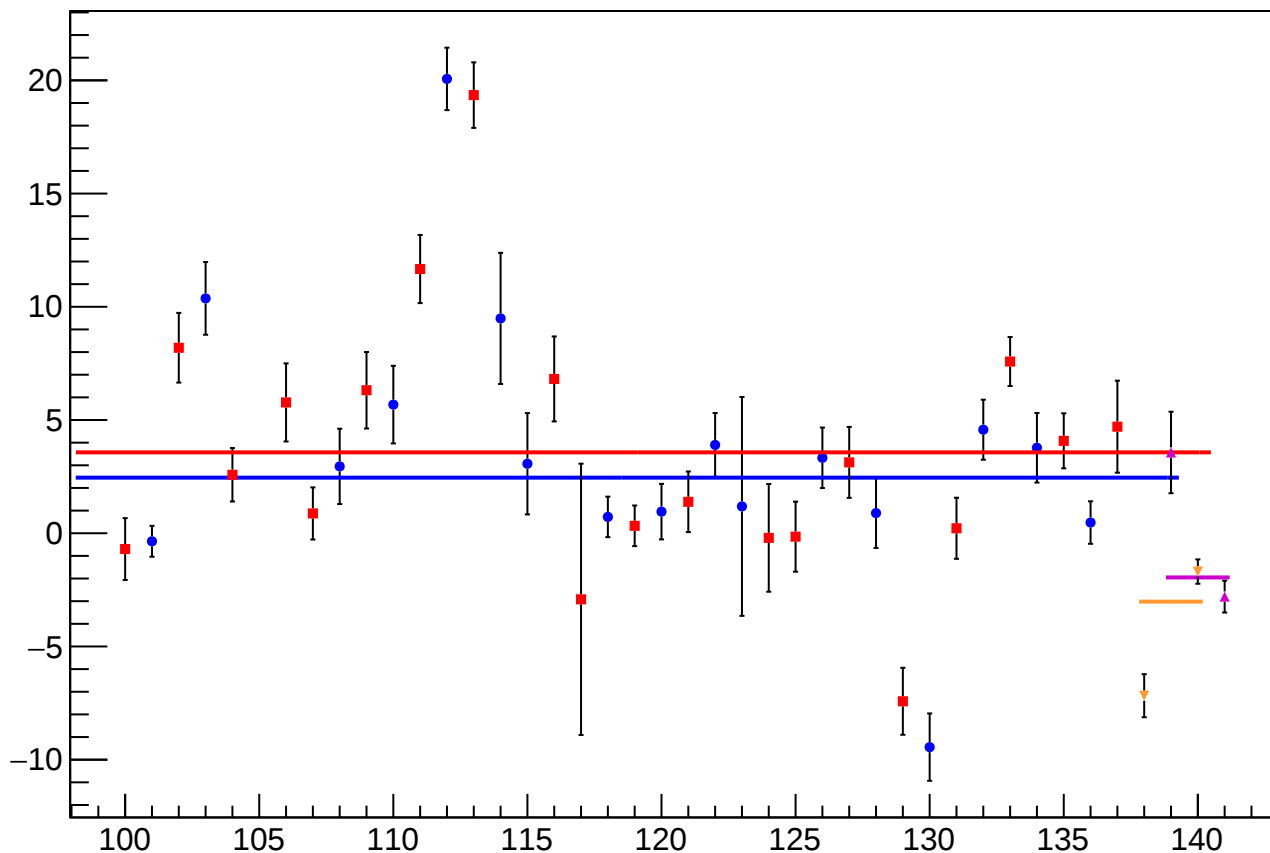
Right Out: -23.785 $\pm$ 0.211 χ^2/NDF : 0.0/19

Left In: -37.565 $\pm$ 0.704 χ^2/NDF : 74.9/1

-23.952 $\pm$ 0.216 χ^2/NDF : 9.2/18

-24.925 $\pm$ 0.202 χ^2/NDF : 426.5/21

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455+/-0.315 χ^2/NDF : 293.5/16

Left Out: -3.020+/-0.468 χ^2/NDF : 25.2/1

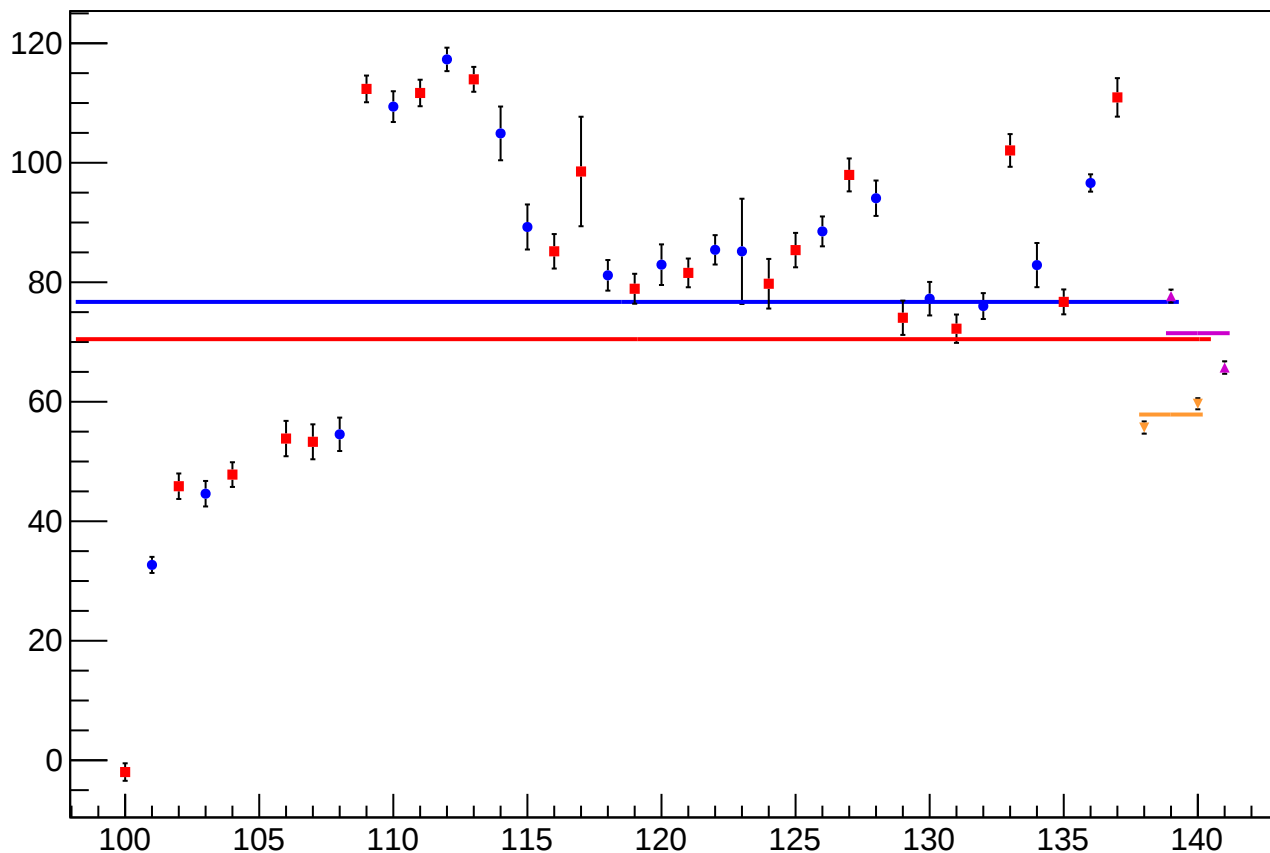
Right Out: 3.571+/-0.317 χ^2/NDF : 281.0/19

Left In: -1.952+/-0.655 χ^2/NDF : 10.8/1

0.752+/-0.261 χ^2/NDF : 412.9/18

2.523+/-0.286 χ^2/NDF : 349.4/21

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 57.864 $\pm$ 0.690 χ^2 /NDF: 8.3/1

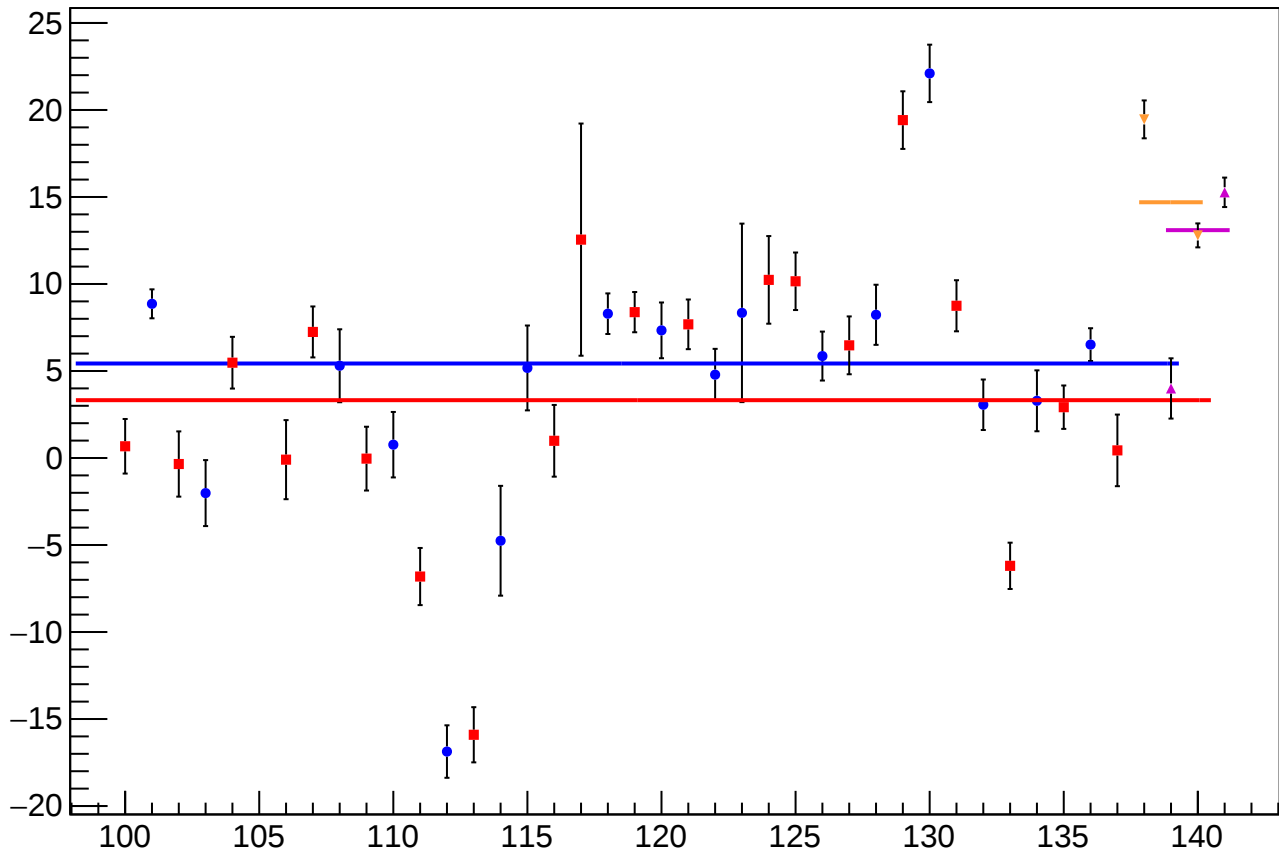
Right Out: 70.477 $\pm$ 0.549 χ^2 /NDF: 4400.1/19

Left In: 71.478 $\pm$ 0.755 χ^2 /NDF: 62.6/1

68.961 $\pm$ 0.442 χ^2 /NDF: 2714.7/18

70.823 $\pm$ 0.444 χ^2 /NDF: 4463.8/21

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 14.697 ± 0.582 $\chi^2/\text{NDF}: 26.8/1$

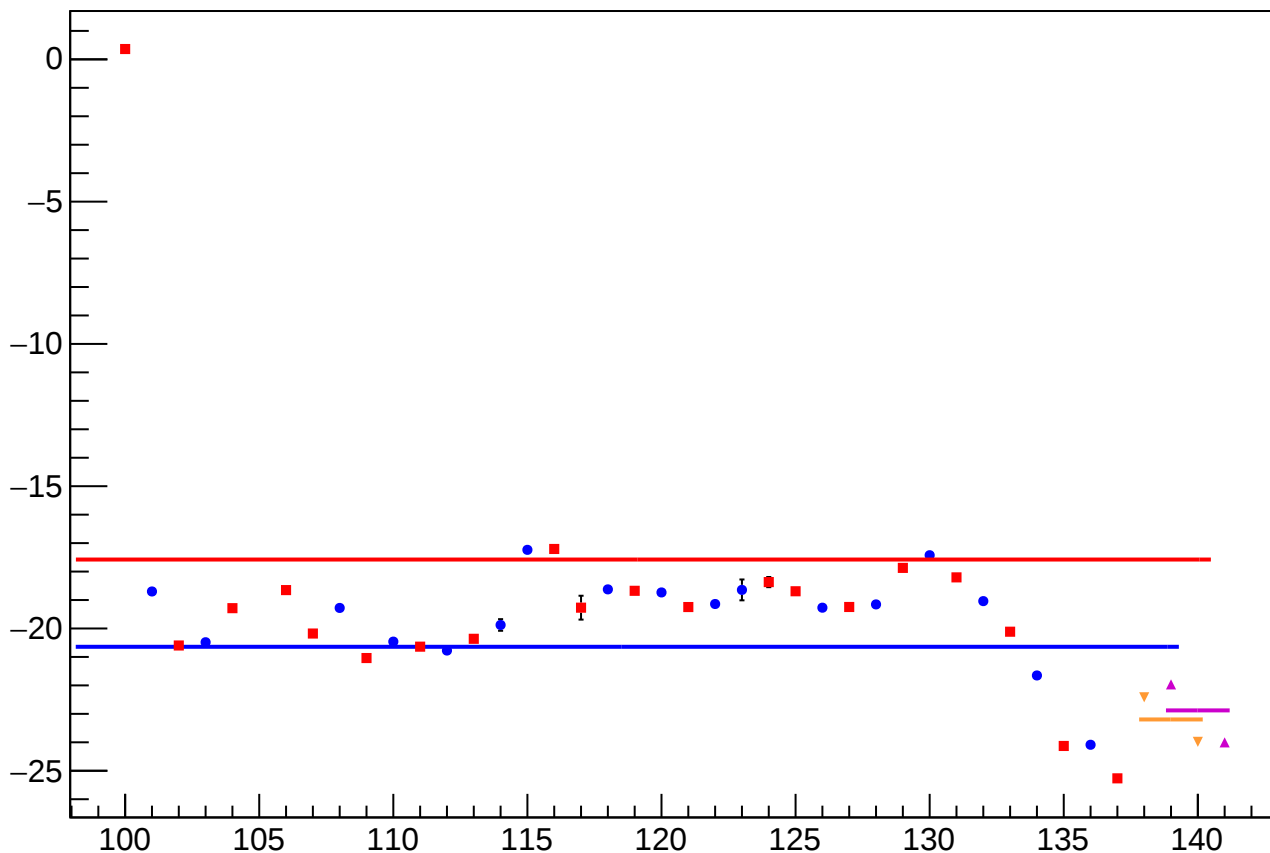
Right Out: 3.323 ± 0.365 $\chi^2/\text{NDF}: 428.0/19$

Left In: 13.094 ± 0.760 $\chi^2/\text{NDF}: 34.2/1$

8.001 ± 0.306 $\chi^2/\text{NDF}: 595.9/18$

5.149 ± 0.329 $\chi^2/\text{NDF}: 596.5/21$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -23.197 ± 0.029 $\chi^2/\text{NDF}: 743.3/1$

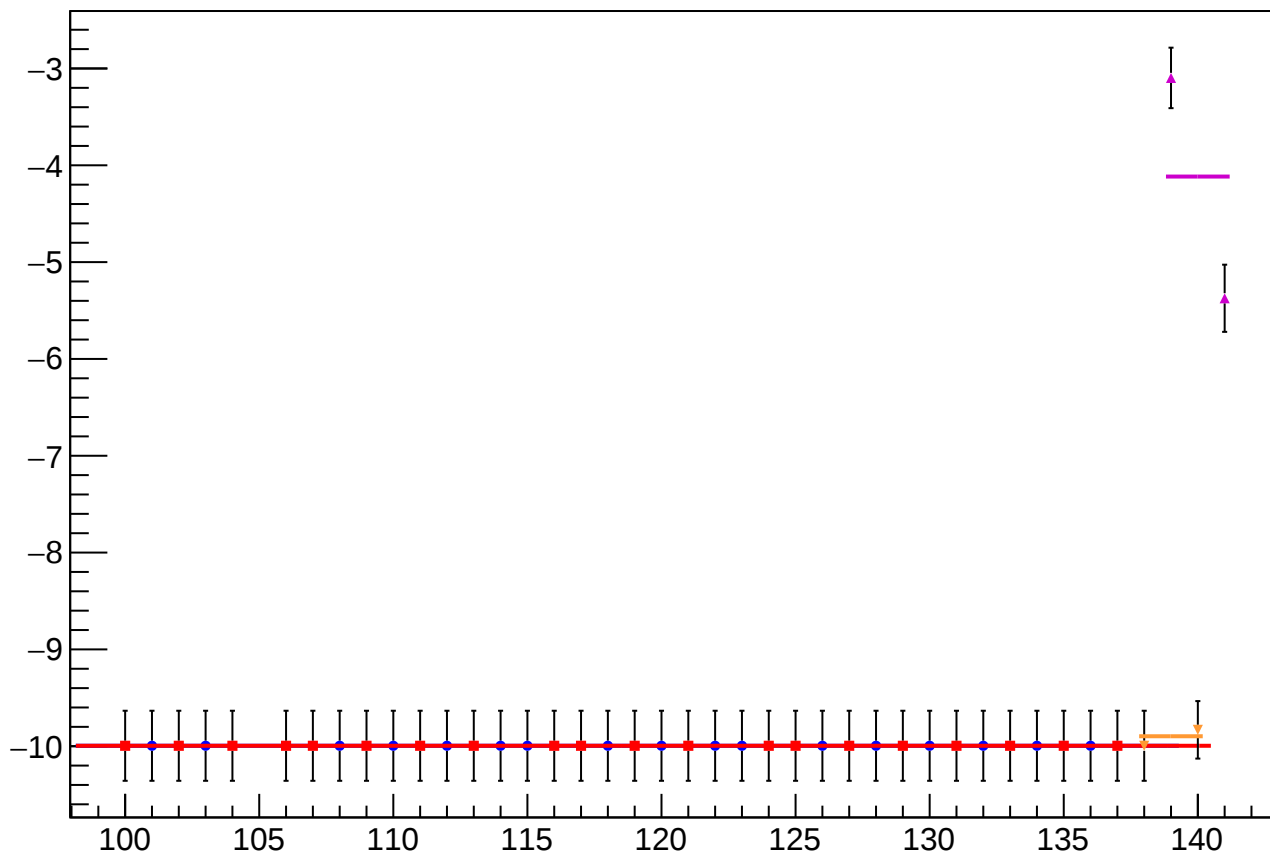
Right Out: -17.577 ± 0.018 $\chi^2/\text{NDF}: 178343.3/19$

Left In: -22.879 ± 0.028 $\chi^2/\text{NDF}: 1274.1/1$

-21.441 ± 0.016 $\chi^2/\text{NDF}: 18655.0/18$

-19.099 ± 0.015 $\chi^2/\text{NDF}: 204471.6/21$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -9.995 $\pm$ 0.088 χ^2 /NDF: 0.0/16

Left Out: -9.897 $\pm$ 0.230 χ^2 /NDF: 0.1/1

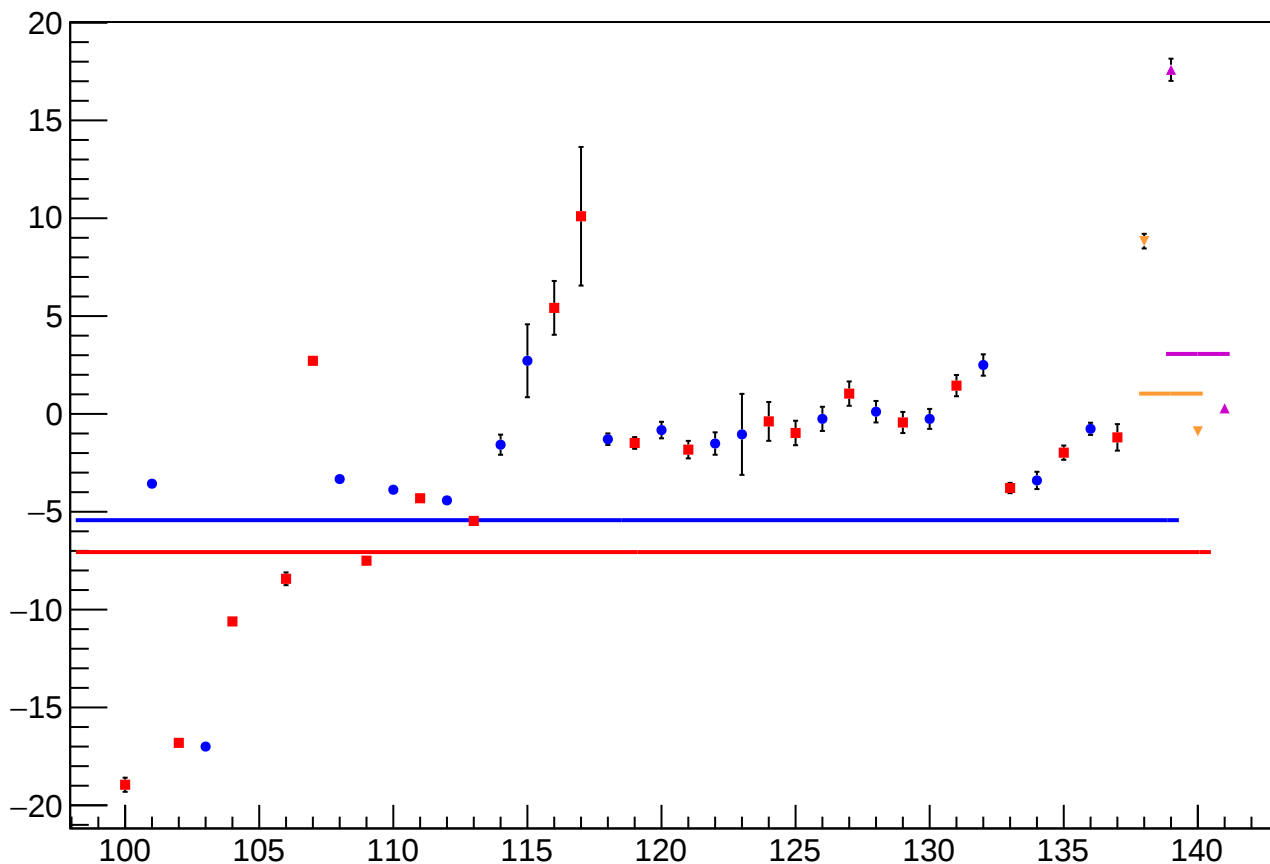
Right Out: -9.995 $\pm$ 0.081 χ^2 /NDF: 0.0/19

Left In: -4.116 $\pm$ 0.232 χ^2 /NDF: 23.8/1

-9.983 $\pm$ 0.082 χ^2 /NDF: 0.3/18

-9.359 $\pm$ 0.076 χ^2 /NDF: 595.8/21

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 ± 0.055 $\chi^2/\text{NDF}: 9233.8/16$

Left Out: 1.038 ± 0.167 $\chi^2/\text{NDF}: 540.4/1$

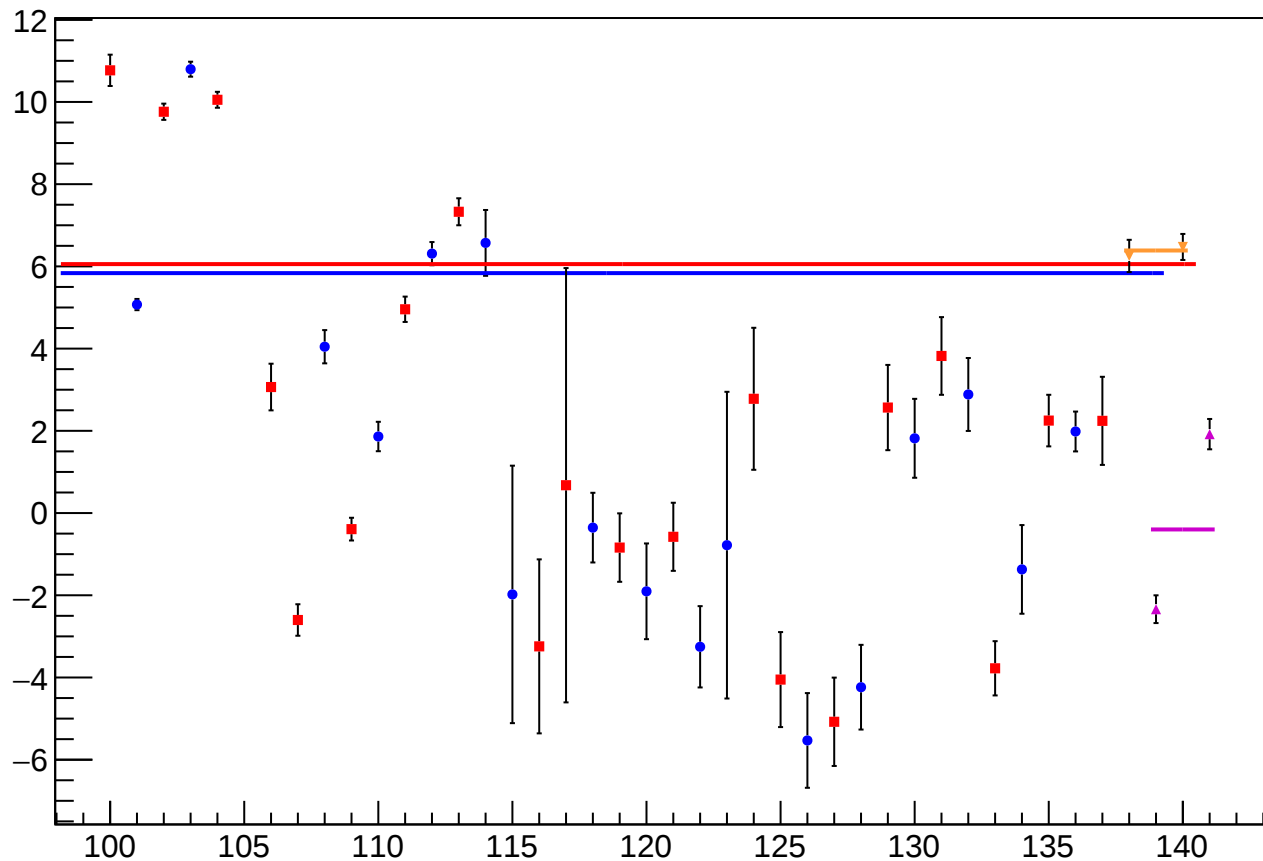
Right Out: -7.061 ± 0.059 $\chi^2/\text{NDF}: 12330.1/19$

Left In: 3.066 ± 0.228 $\chi^2/\text{NDF}: 780.0/1$

-4.799 ± 0.052 $\chi^2/\text{NDF}: 11132.6/18$

-6.423 ± 0.057 $\chi^2/\text{NDF}: 14965.2/21$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 $\pm$ 0.090 χ^2/NDF : 1440.9/16

Left Out: 6.387 $\pm$ 0.246 χ^2/NDF : 0.2/1

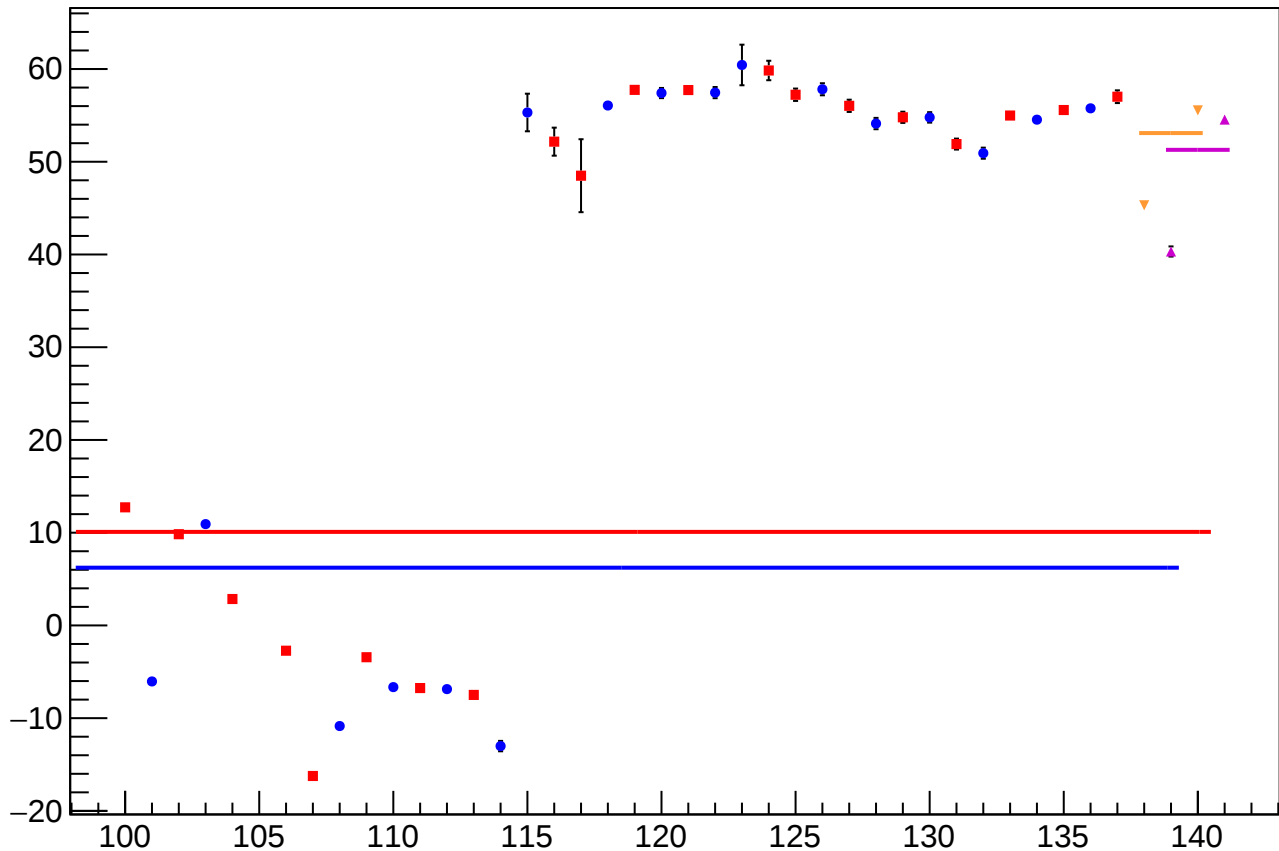
Right Out: 6.056 $\pm$ 0.093 χ^2/NDF : 2669.9/19

Left In: -0.399 $\pm$ 0.249 χ^2/NDF : 72.5/1

5.901 $\pm$ 0.084 χ^2/NDF : 1445.5/18

5.261 $\pm$ 0.087 χ^2/NDF : 3331.6/21

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226+/-0.065 χ^2/NDF : 120955.1/16

Left Out: 53.094+/-0.208 χ^2/NDF : 442.2/1

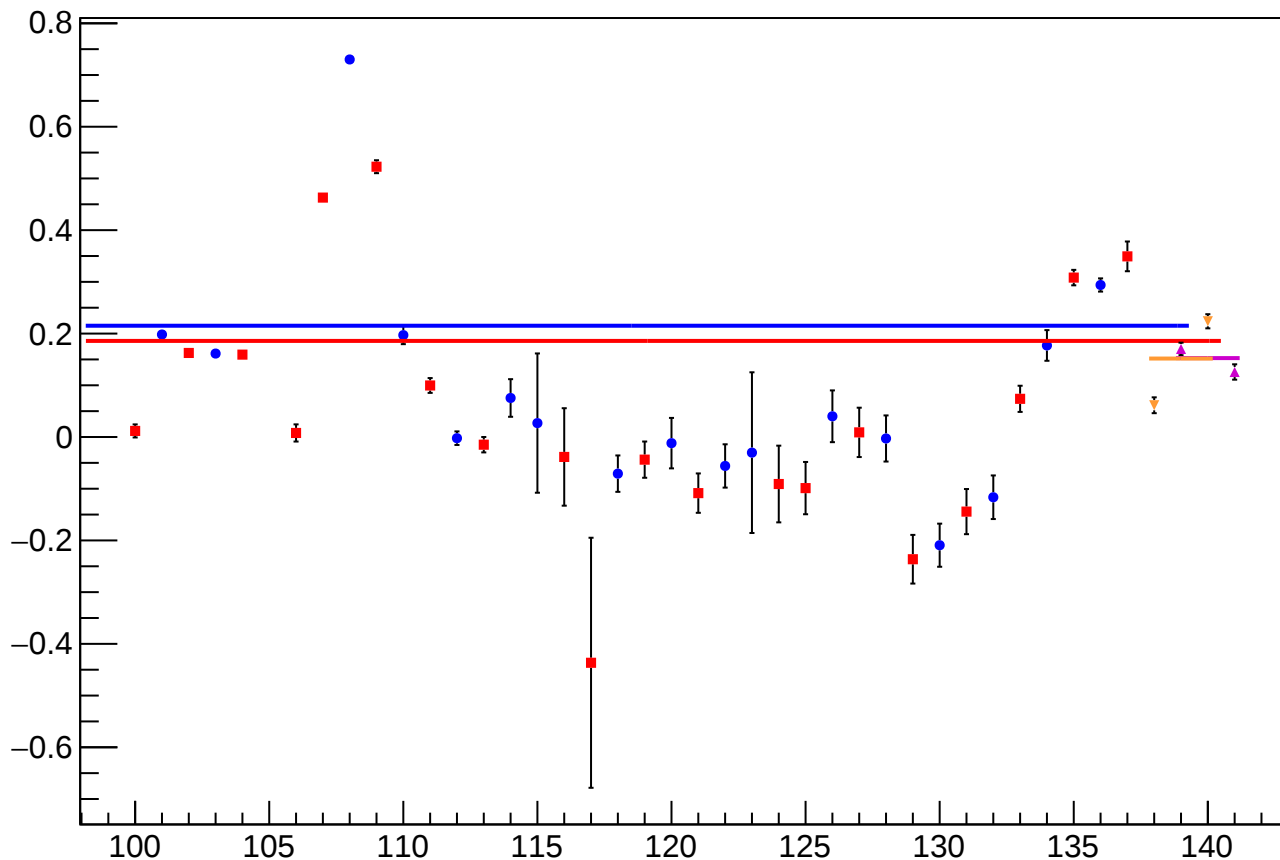
Right Out: 10.087+/-0.070 χ^2/NDF : 122144.7/19

Left In: 51.285+/-0.262 χ^2/NDF : 521.4/1

10.390+/-0.062 χ^2/NDF : 167829.4/18

12.814+/-0.067 χ^2/NDF : 145774.2/21

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.152 $\pm$ 0.010 χ^2 /NDF:62.5/1

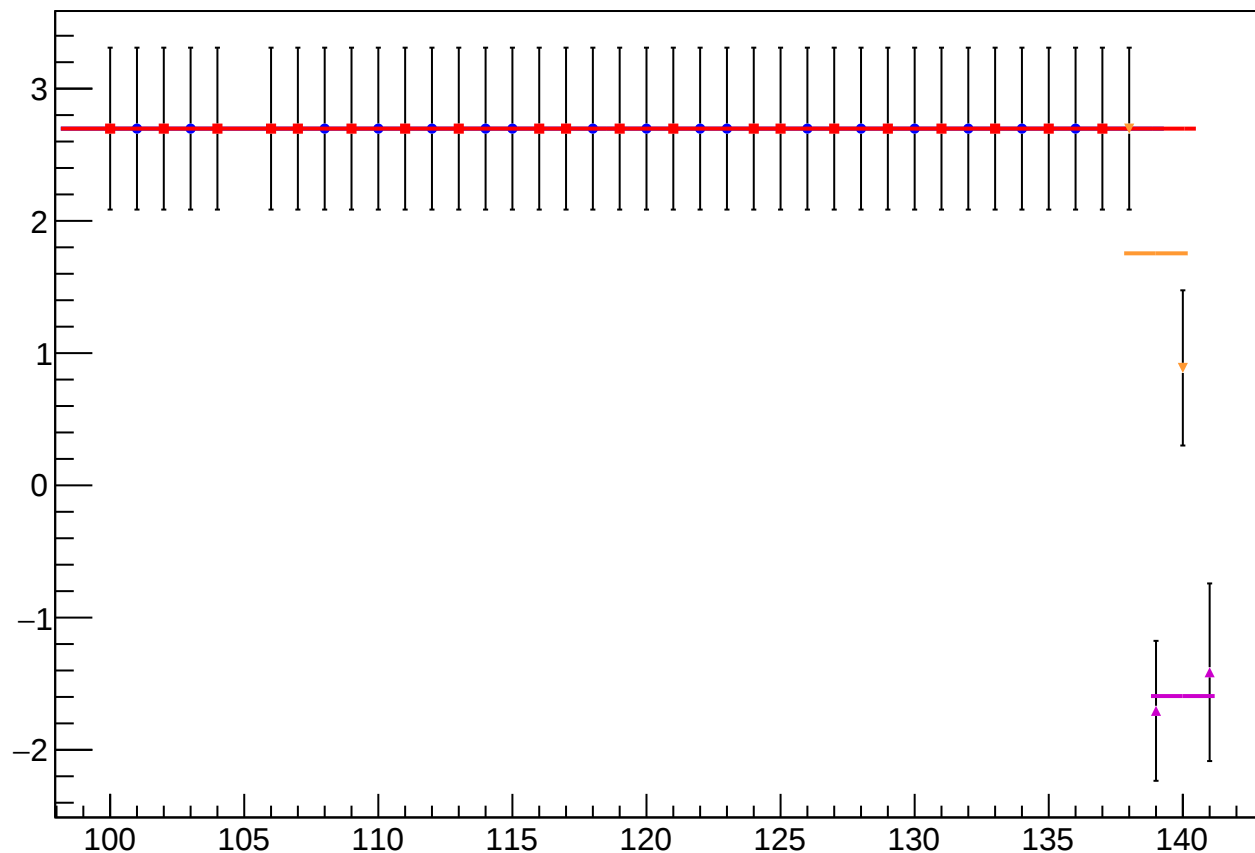
Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2724.7/19

Left In: 0.153 $\pm$ 0.009 χ^2 /NDF:5.4/1

0.211 $\pm$ 0.003 χ^2 /NDF: 4024.5/18

0.183 $\pm$ 0.003 χ^2 /NDF: 2741.8/21

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: 2.698 $\pm$ 0.148 χ^2 /NDF: 0.0/16

Left Out: 1.755 $\pm$ 0.424 χ^2 /NDF: 4.6/1

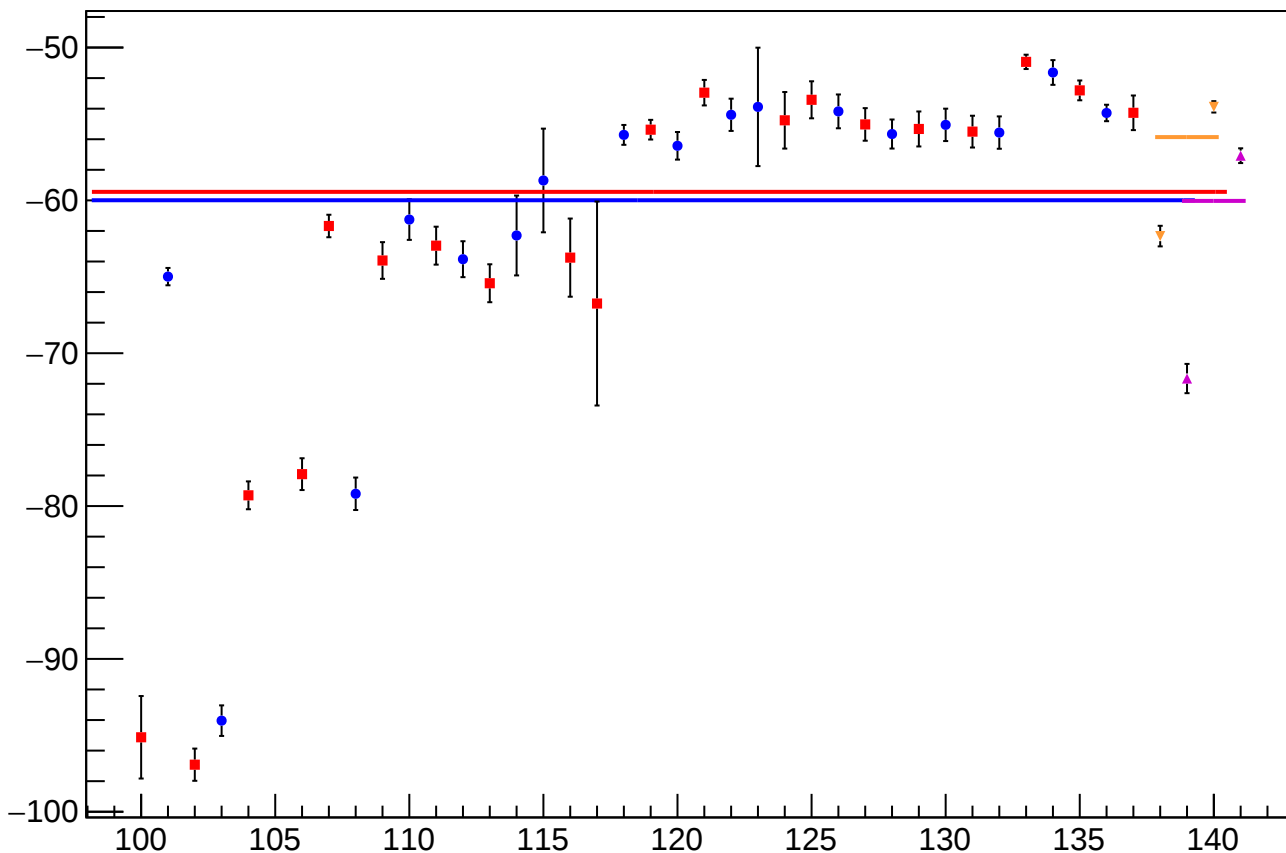
Right Out: 2.698 $\pm$ 0.137 χ^2 /NDF: 0.0/19

Left In: -1.593 $\pm$ 0.416 χ^2 /NDF: 0.1/1

2.594 $\pm$ 0.140 χ^2 /NDF: 9.0/18

2.278 $\pm$ 0.130 χ^2 /NDF: 96.3/21

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -55.860 ± 0.326 χ^2/NDF : 120.8/1

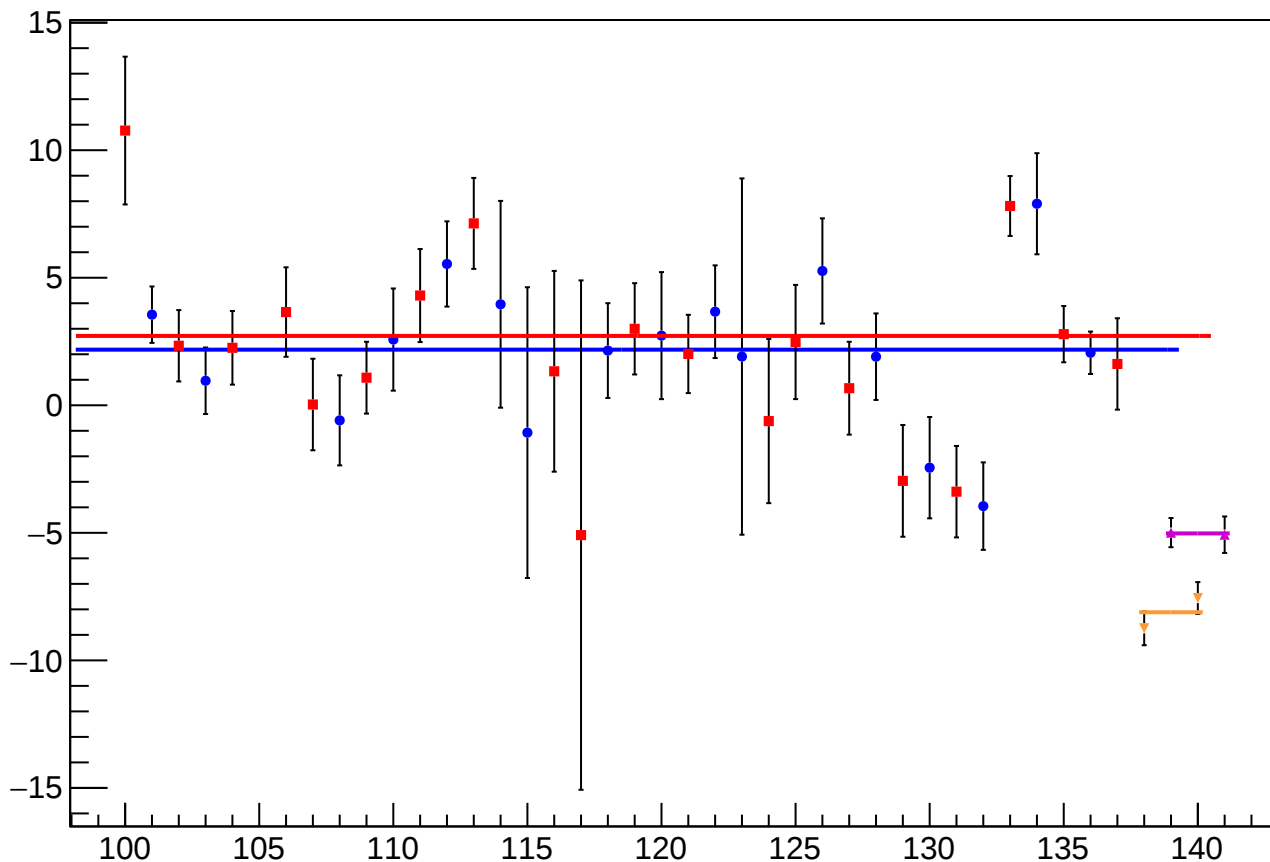
Right Out: -59.442 ± 0.212 χ^2/NDF : 2919.1/19

Left In: -60.034 ± 0.431 χ^2/NDF : 184.9/1

-58.658 ± 0.185 χ^2/NDF : 2202.7/18

-59.557 ± 0.190 χ^2/NDF : 3105.5/21

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: -8.113 ± 0.455 $\chi^2/\text{NDF}: 1.7/1$

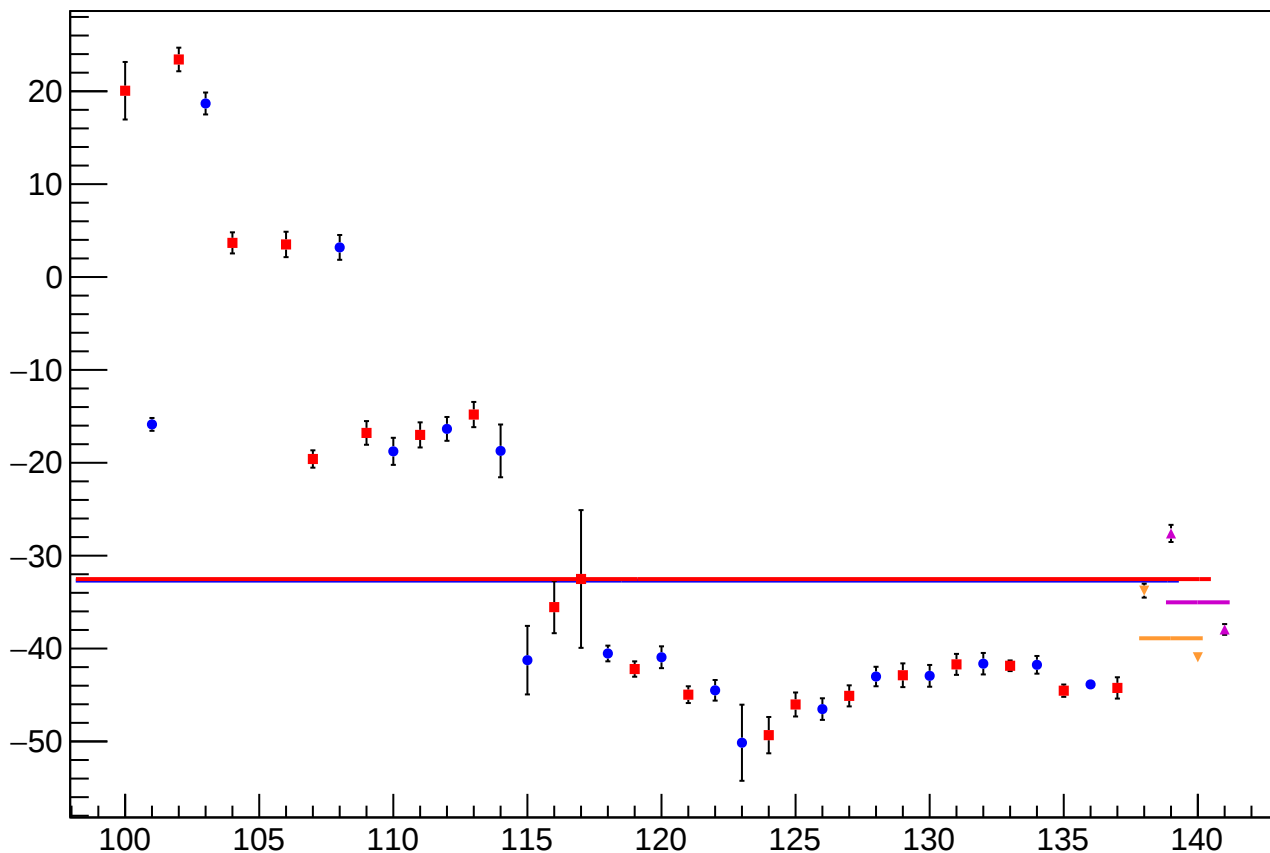
Right Out: 2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

Left In: -5.023 ± 0.447 $\chi^2/\text{NDF}: 0.0/1$

-2.375 ± 0.303 $\chi^2/\text{NDF}: 325.7/18$

-0.609 ± 0.293 $\chi^2/\text{NDF}: 231.0/21$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 $\pm$ 0.256 χ^2 /NDF: 4646.9/16

Left Out: -38.894 $\pm$ 0.401 χ^2 /NDF: 65.2/1

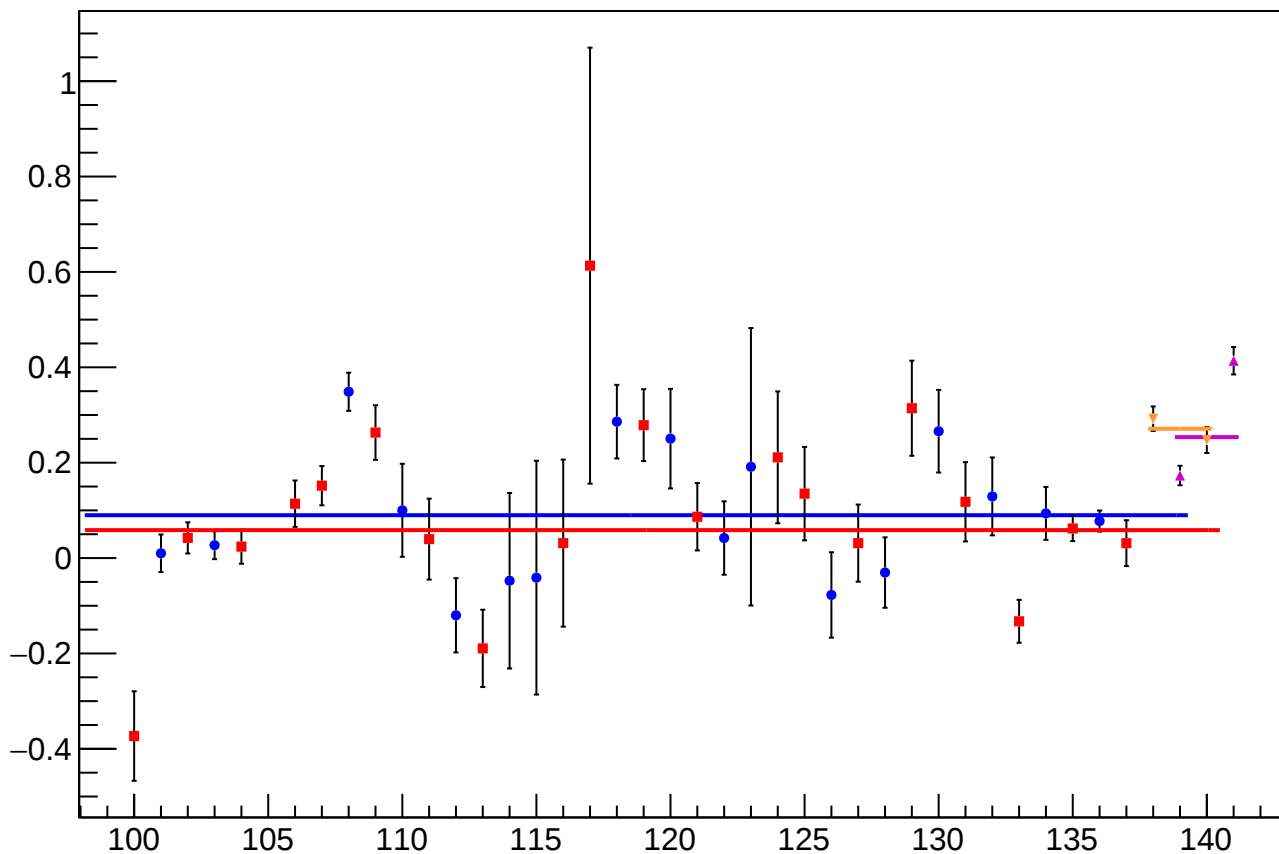
Right Out: -32.523 $\pm$ 0.244 χ^2 /NDF: 6045.3/19

Left In: -35.023 $\pm$ 0.490 χ^2 /NDF: 90.2/1

-34.478 $\pm$ 0.216 χ^2 /NDF: 4882.6/18

-33.019 $\pm$ 0.218 χ^2 /NDF: 6156.3/21

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 78.8/16

Left Out: 0.271 $\pm$ 0.019 χ^2 /NDF: 1.4/1

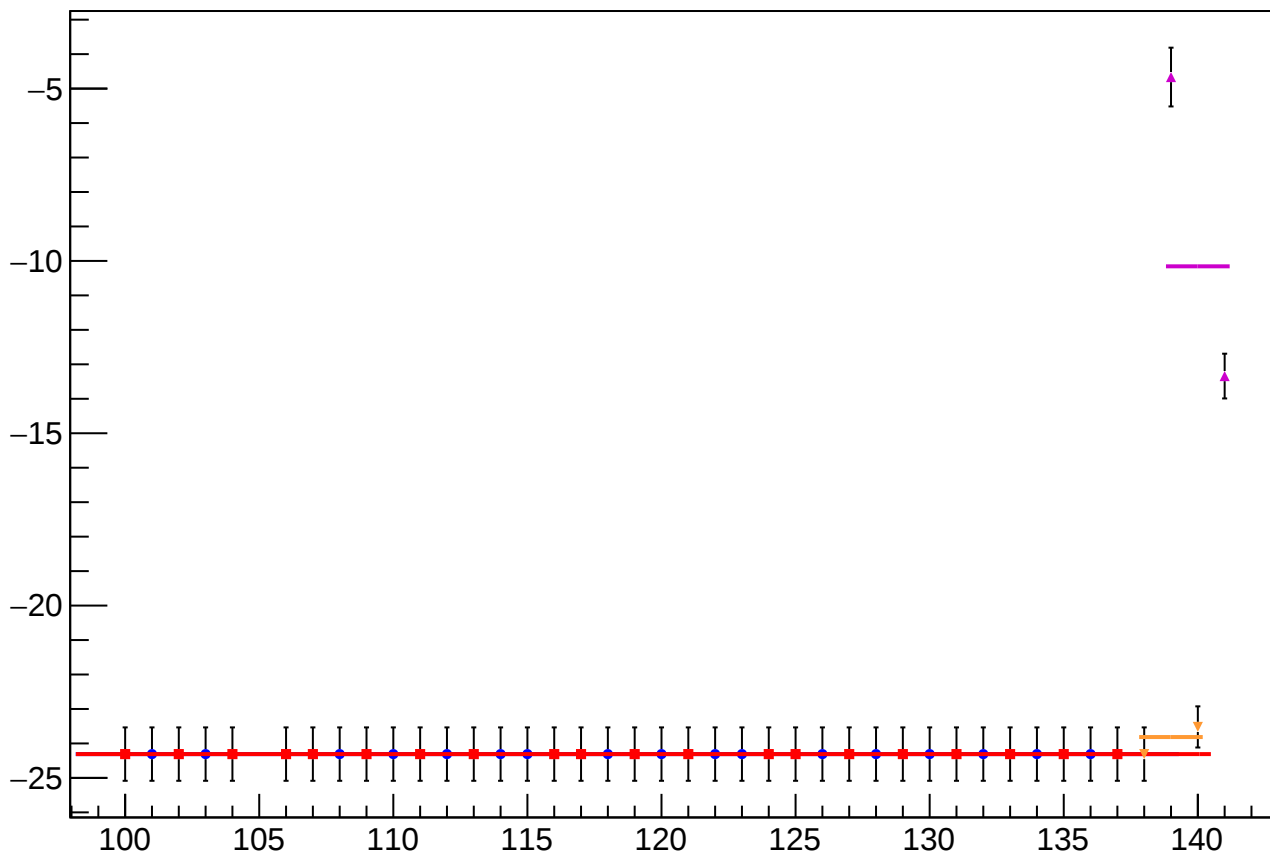
Right Out: 0.059 $\pm$ 0.012 χ^2 /NDF: 88.6/19

Left In: 0.254 $\pm$ 0.017 χ^2 /NDF: 46.7/1

0.148 $\pm$ 0.011 χ^2 /NDF: 144.6/18

0.127 $\pm$ 0.010 χ^2 /NDF: 224.9/21

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -24.309 $\pm$ 0.188 χ^2 /NDF: 0.0/16

Left Out: -23.815 $\pm$ 0.473 χ^2 /NDF: 0.6/1

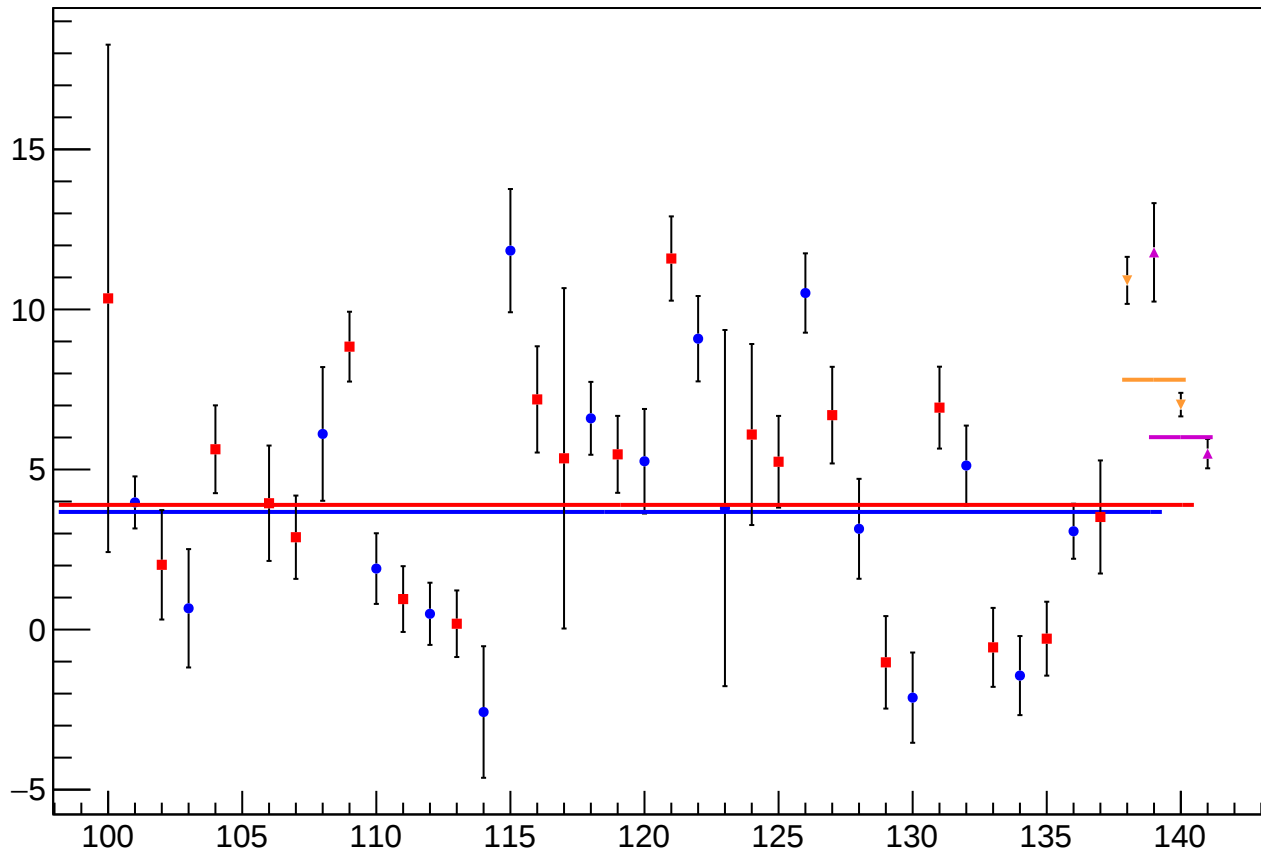
Right Out: -24.309 $\pm$ 0.173 χ^2 /NDF: 0.0/19

Left In: -10.157 $\pm$ 0.517 χ^2 /NDF: 65.5/1

-24.242 $\pm$ 0.175 χ^2 /NDF: 1.6/18

-22.879 $\pm$ 0.164 χ^2 /NDF: 740.3/21

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675+/-0.310 χ^2/NDF : 135.2/16

Left Out: 7.804+/-0.329 χ^2/NDF : 22.3/1

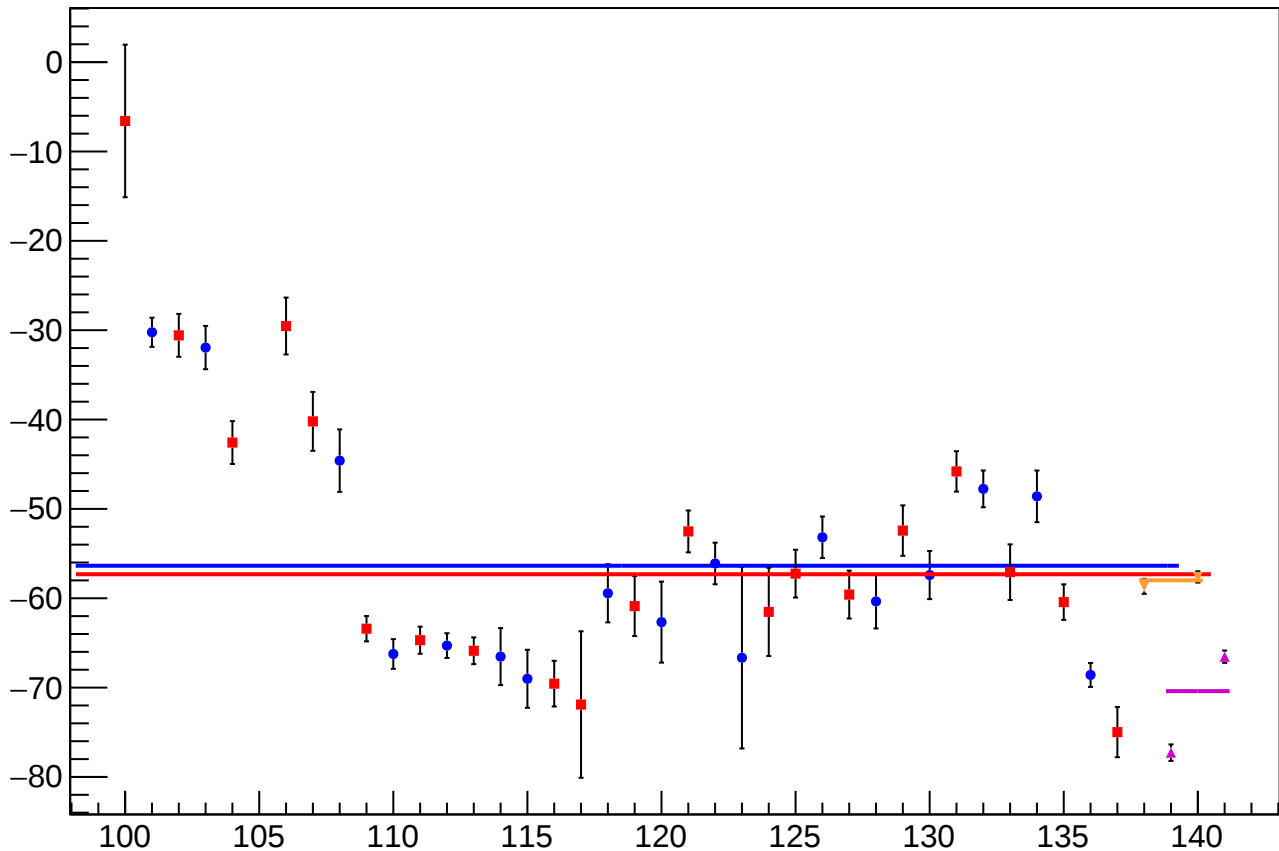
Right Out: 3.895+/-0.316 χ^2/NDF : 133.8/19

Left In: 6.011+/-0.440 χ^2/NDF : 15.3/1

5.621+/-0.226 χ^2/NDF : 240.9/18

4.614+/-0.256 χ^2/NDF : 164.4/21

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -57.995 ± 0.507 χ^2/NDF : 1.0/1

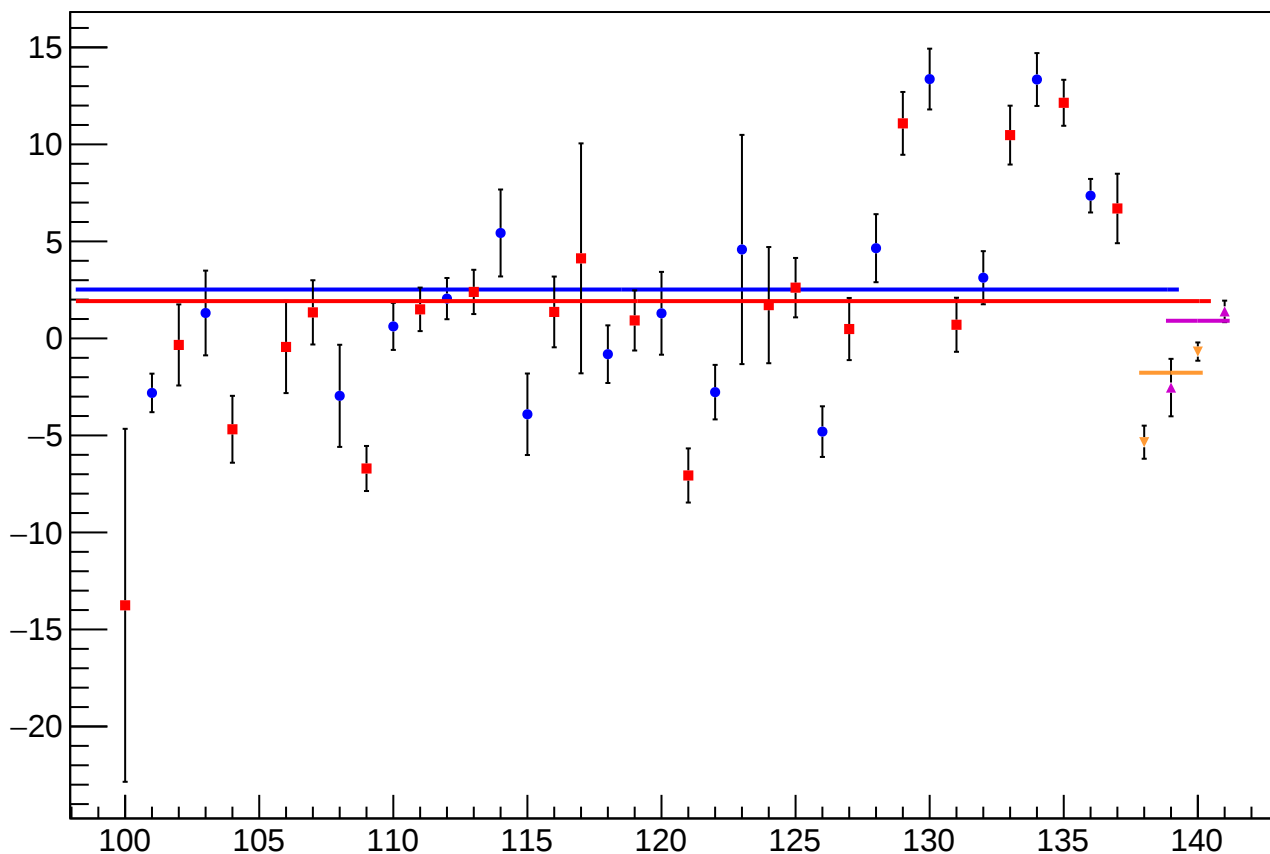
Right Out: -57.314 ± 0.535 χ^2/NDF : 479.2/19

Left In: -70.393 ± 0.553 χ^2/NDF : 86.9/1

-57.235 ± 0.371 χ^2/NDF : 593.1/18

-63.639 ± 0.384 χ^2/NDF : 855.1/21

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: -1.769 ± 0.412 χ^2/NDF : 23.0/1

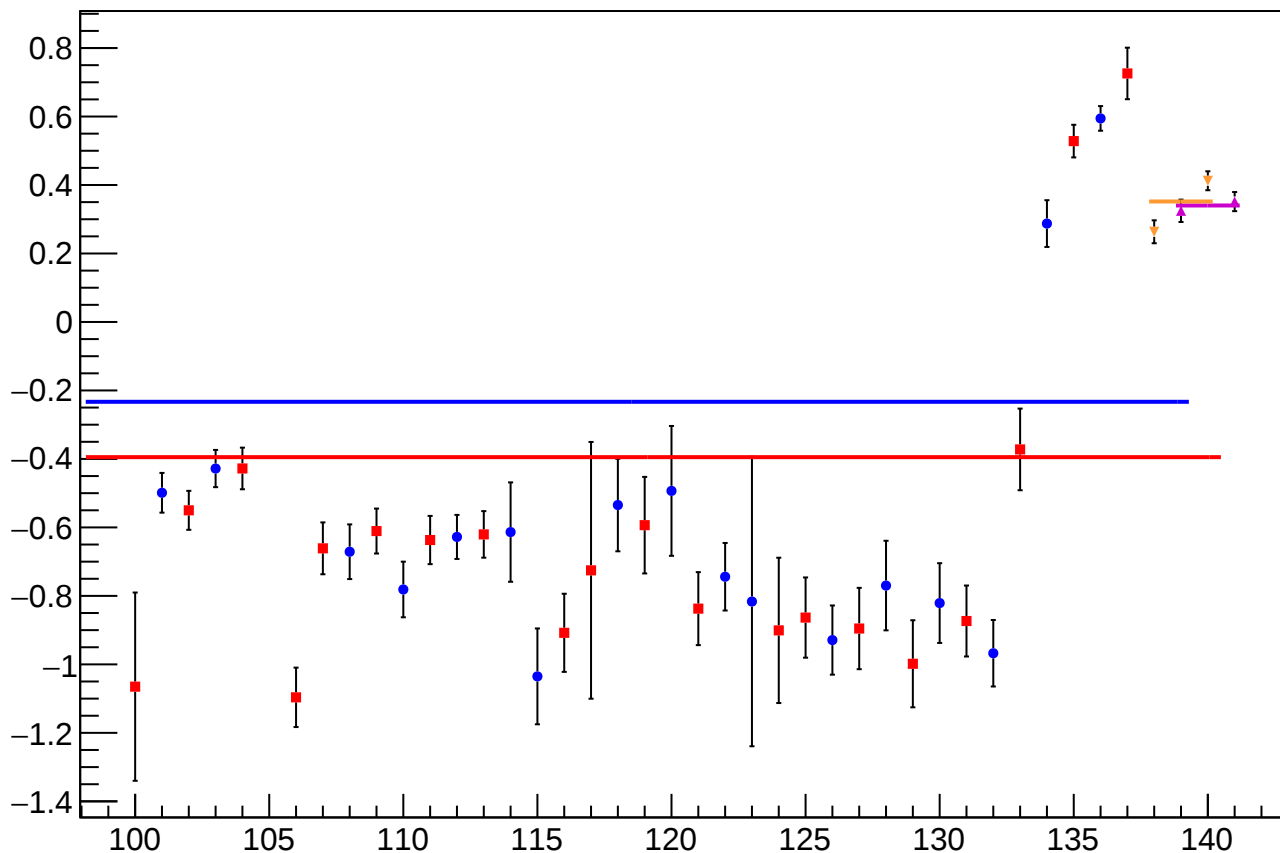
Right Out: 1.922 ± 0.354 χ^2/NDF : 264.7/19

Left In: 0.909 ± 0.519 χ^2/NDF : 6.2/1

0.740 ± 0.265 χ^2/NDF : 328.7/18

1.600 ± 0.293 χ^2/NDF : 273.4/21

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.352 ± 0.021 χ^2/NDF : 11.8/1

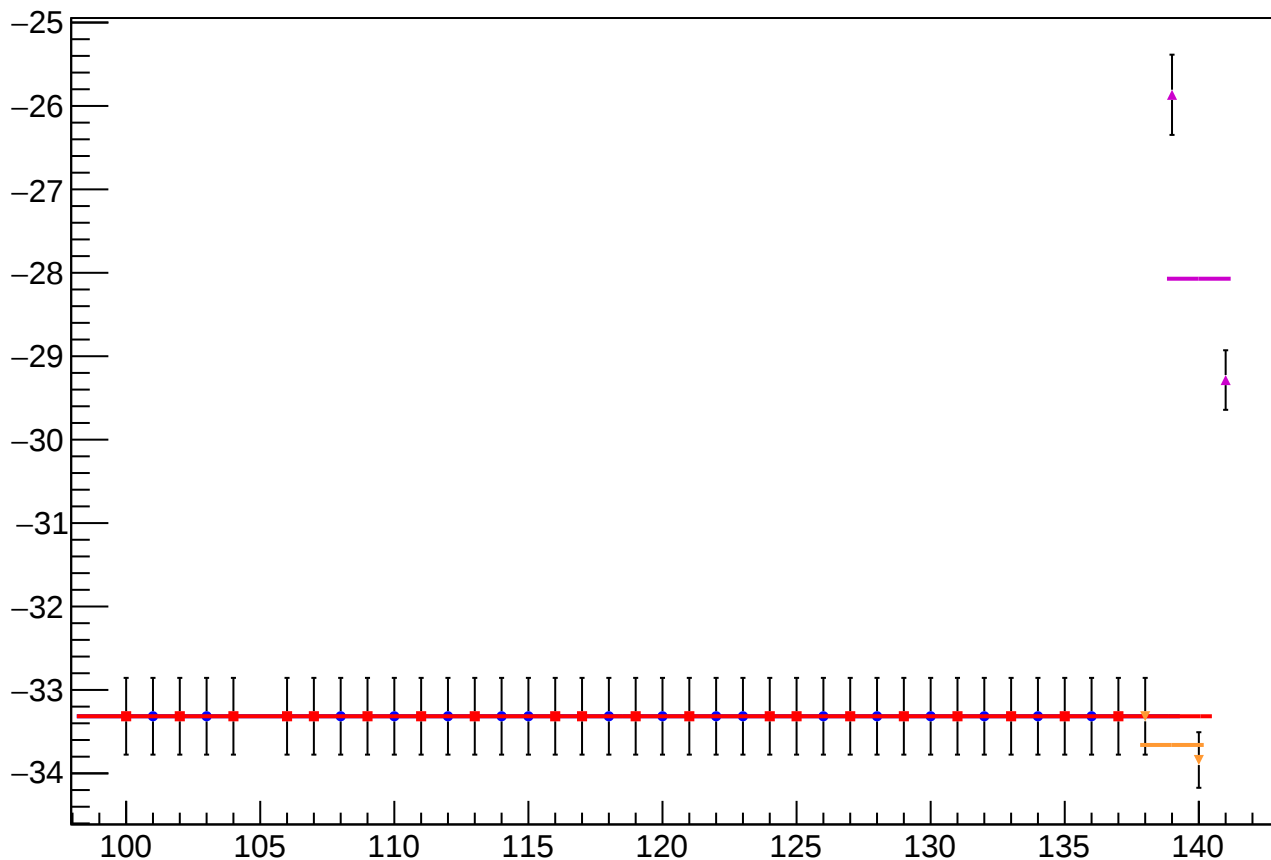
Right Out: -0.395 ± 0.019 χ^2/NDF : 845.9/19

Left In: 0.340 ± 0.021 χ^2/NDF : 0.4/1

0.024 ± 0.014 χ^2/NDF : 1390.0/18

-0.068 ± 0.014 χ^2/NDF : 1513.5/21

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.316 $\pm$ 0.112 χ^2 /NDF: 0.0/16

Left Out: -33.660 $\pm$ 0.270 χ^2 /NDF: 0.9/1

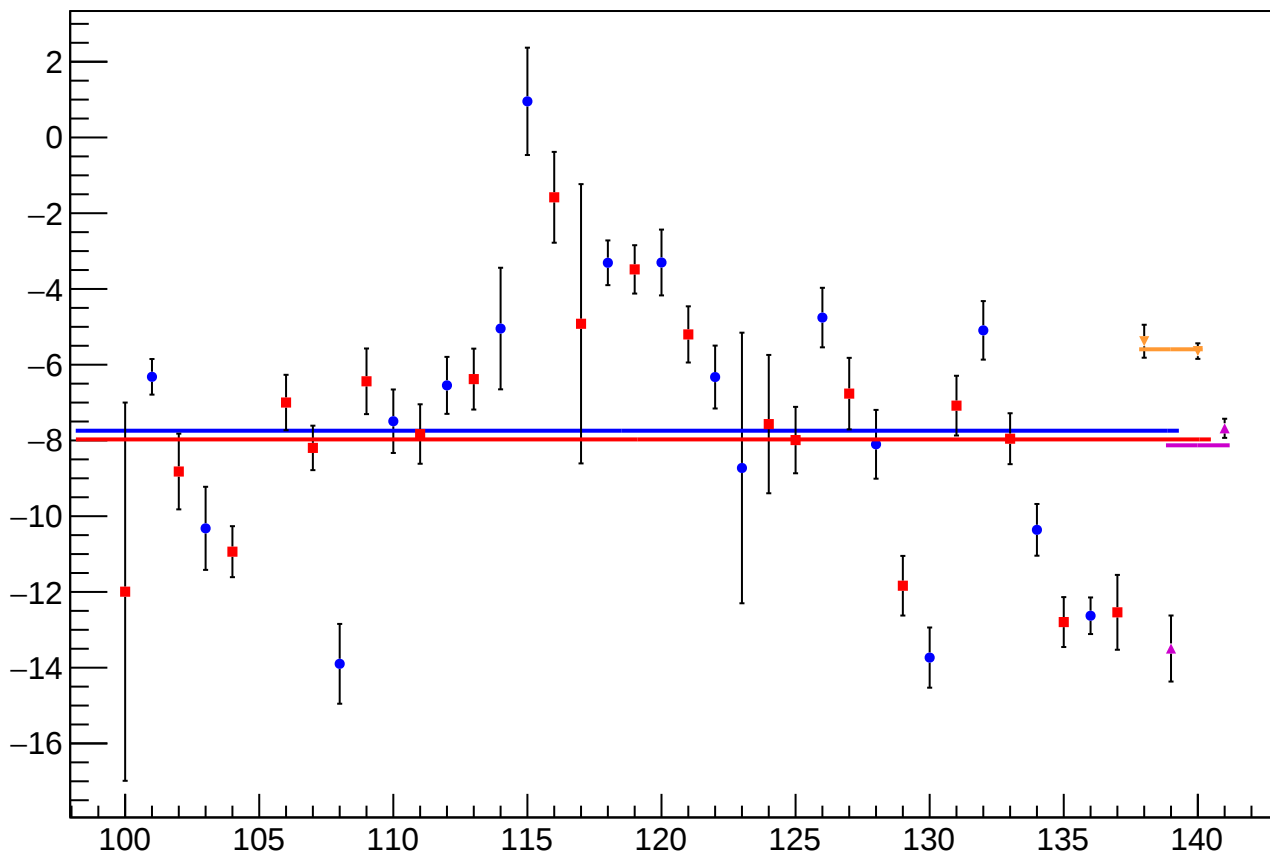
Right Out: -33.316 $\pm$ 0.103 χ^2 /NDF: 0.0/19

Left In: -28.071 $\pm$ 0.287 χ^2 /NDF: 32.6/1

-33.366 $\pm$ 0.103 χ^2 /NDF: 2.2/18

-32.717 $\pm$ 0.097 χ^2 /NDF: 329.2/21

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -5.593 ± 0.186 χ^2/NDF : 0.3/1

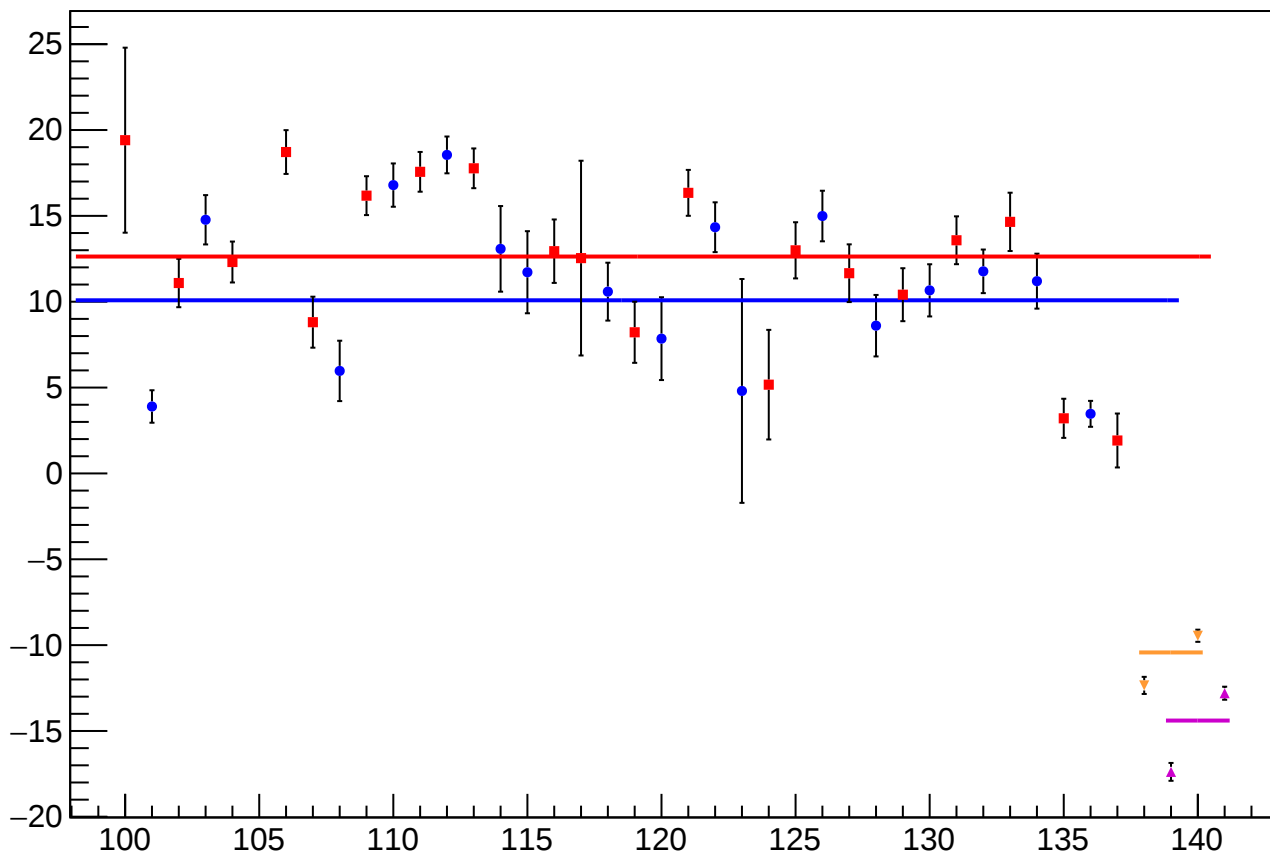
Right Out: -7.973 ± 0.186 χ^2/NDF : 224.2/19

Left In: -8.128 ± 0.242 χ^2/NDF : 41.0/1

-6.660 ± 0.132 χ^2/NDF : 444.3/18

-8.030 ± 0.147 χ^2/NDF : 265.5/21

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083+/-0.338 χ^2 /NDF: 252.7/16

Left Out: -10.426+/-0.289 χ^2 /NDF: 22.3/1

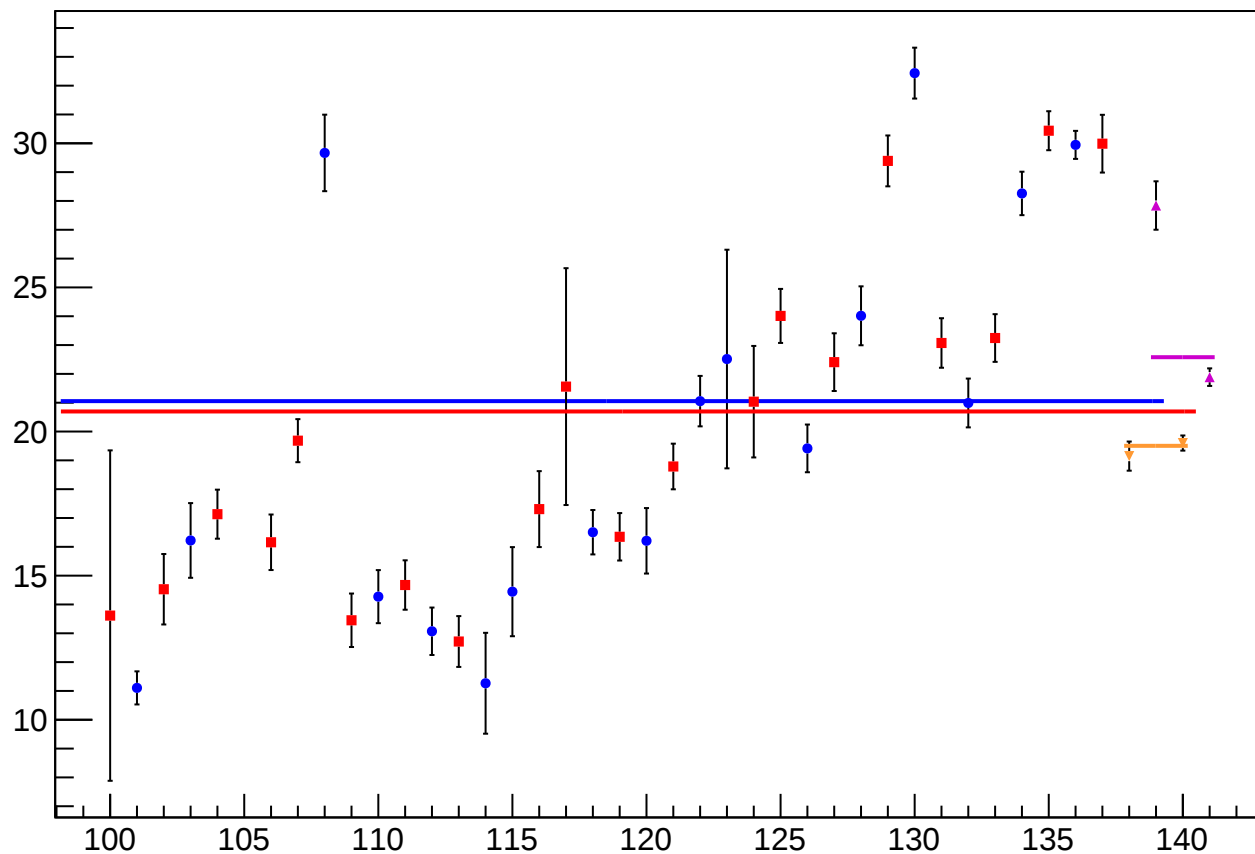
Right Out: 12.631+/-0.332 χ^2 /NDF: 218.6/19

Left In: -14.393+/-0.307 χ^2 /NDF: 50.6/1

-1.764+/-0.220 χ^2 /NDF: 2402.8/18

-1.958+/-0.225 χ^2 /NDF: 3844.3/21

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055+/-0.211 χ^2/NDF : 1211.8/16

Left Out: 19.504+/-0.233 χ^2/NDF : 0.6/1

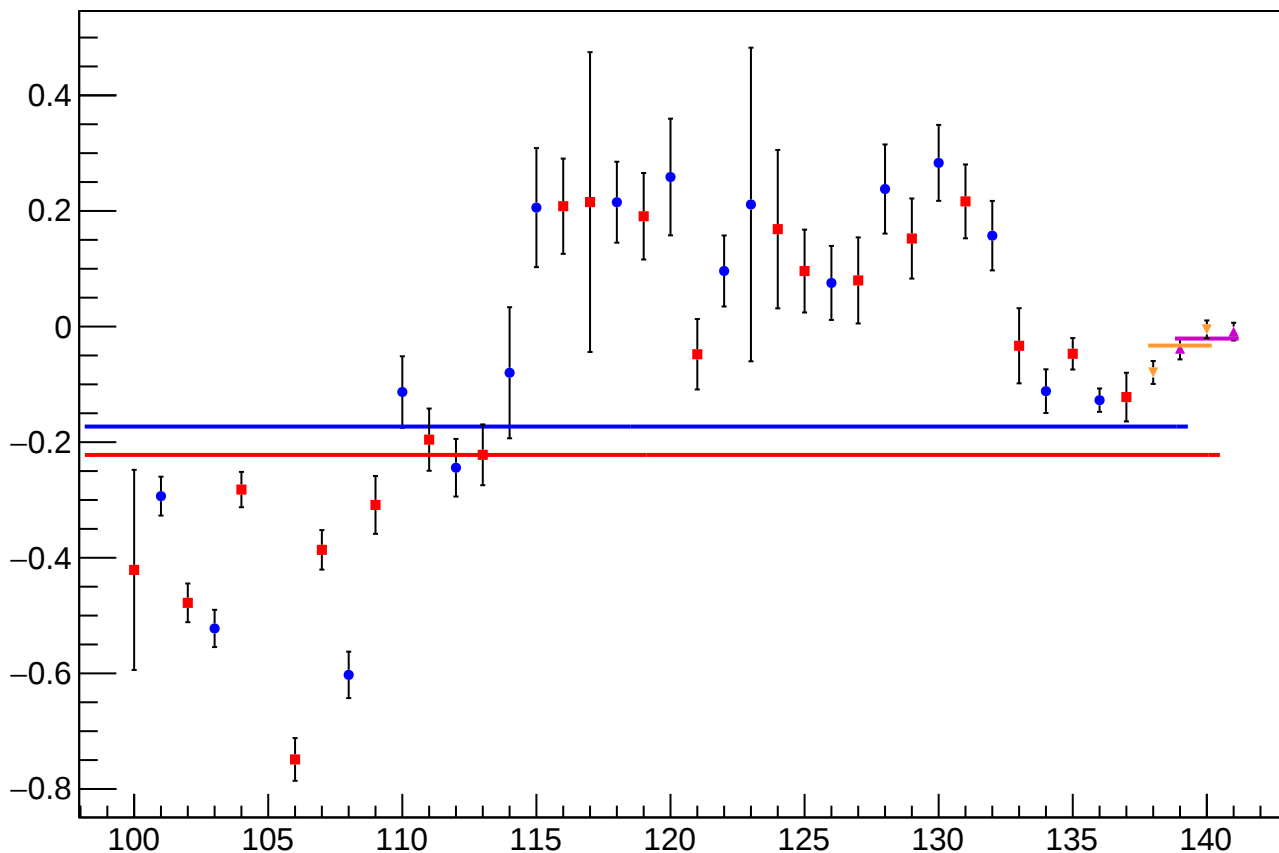
Right Out: 20.696+/-0.212 χ^2/NDF : 724.1/19

Left In: 22.579+/-0.286 χ^2/NDF : 44.4/1

20.358+/-0.156 χ^2/NDF : 1236.7/18

21.365+/-0.171 χ^2/NDF : 796.4/21

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.033 ± 0.012 χ^2/NDF : 8.8/1

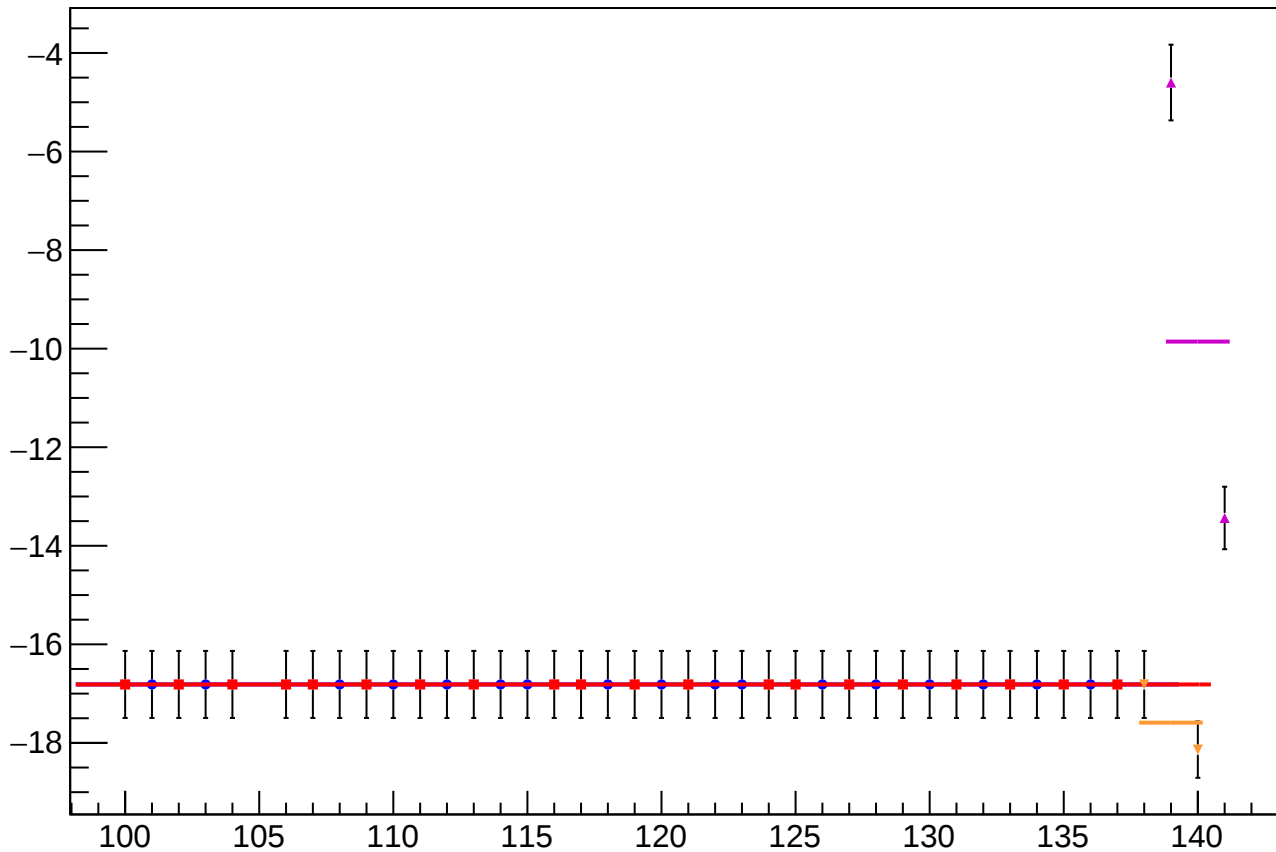
Right Out: -0.222 ± 0.011 χ^2/NDF : 538.0/19

Left In: -0.021 ± 0.012 χ^2/NDF : 1.5/1

-0.109 ± 0.008 χ^2/NDF : 542.2/18

-0.129 ± 0.008 χ^2/NDF : 695.6/21

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -16.814 ± 0.165 χ^2/NDF : 0.0/16

Left Out: -17.589 ± 0.438 χ^2/NDF : 2.2/1

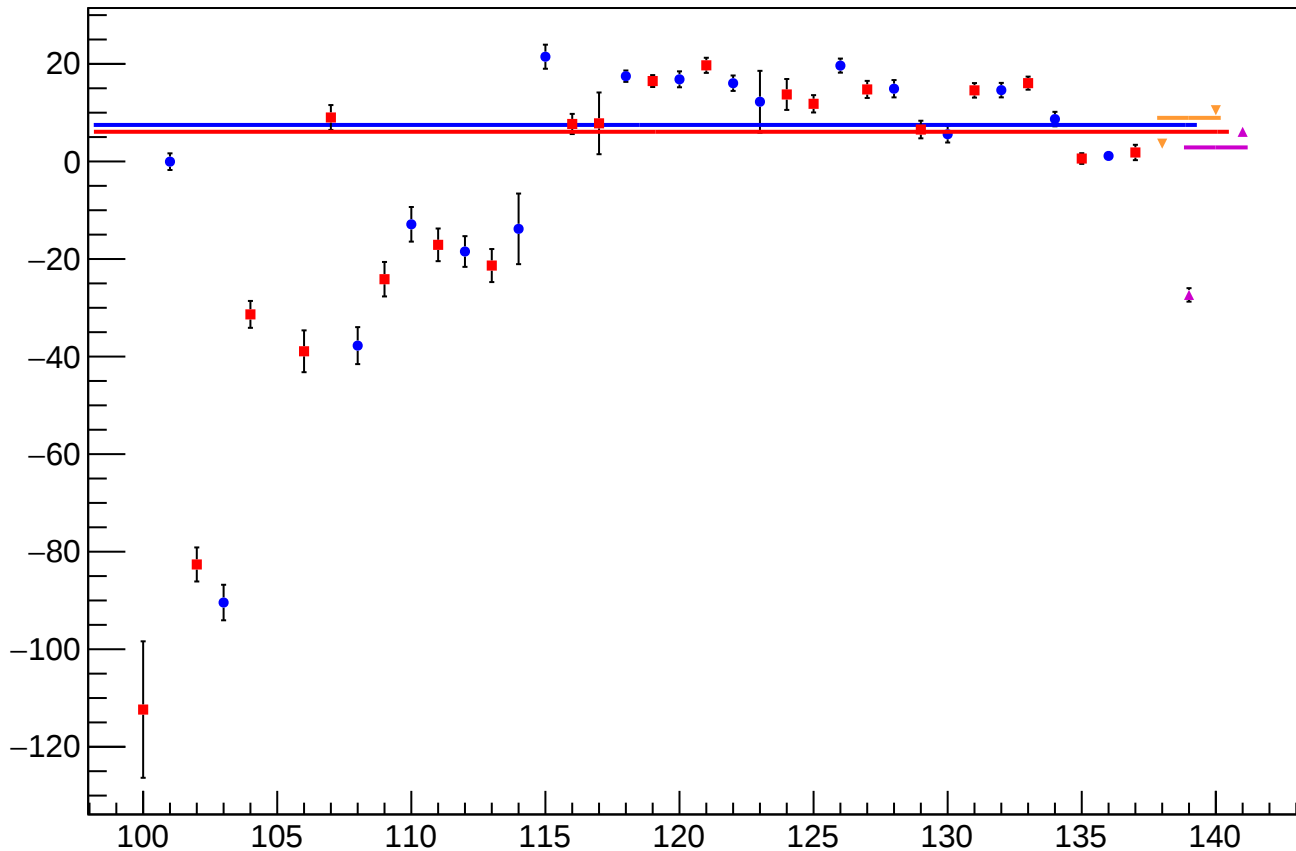
Right Out: -16.814 ± 0.152 χ^2/NDF : 0.0/19

Left In: -9.857 ± 0.489 χ^2/NDF : 78.7/1

-16.911 ± 0.154 χ^2/NDF : 5.0/18

-16.200 ± 0.145 χ^2/NDF : 263.3/21

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 8.939 ± 0.310 χ^2/NDF : 86.0/1

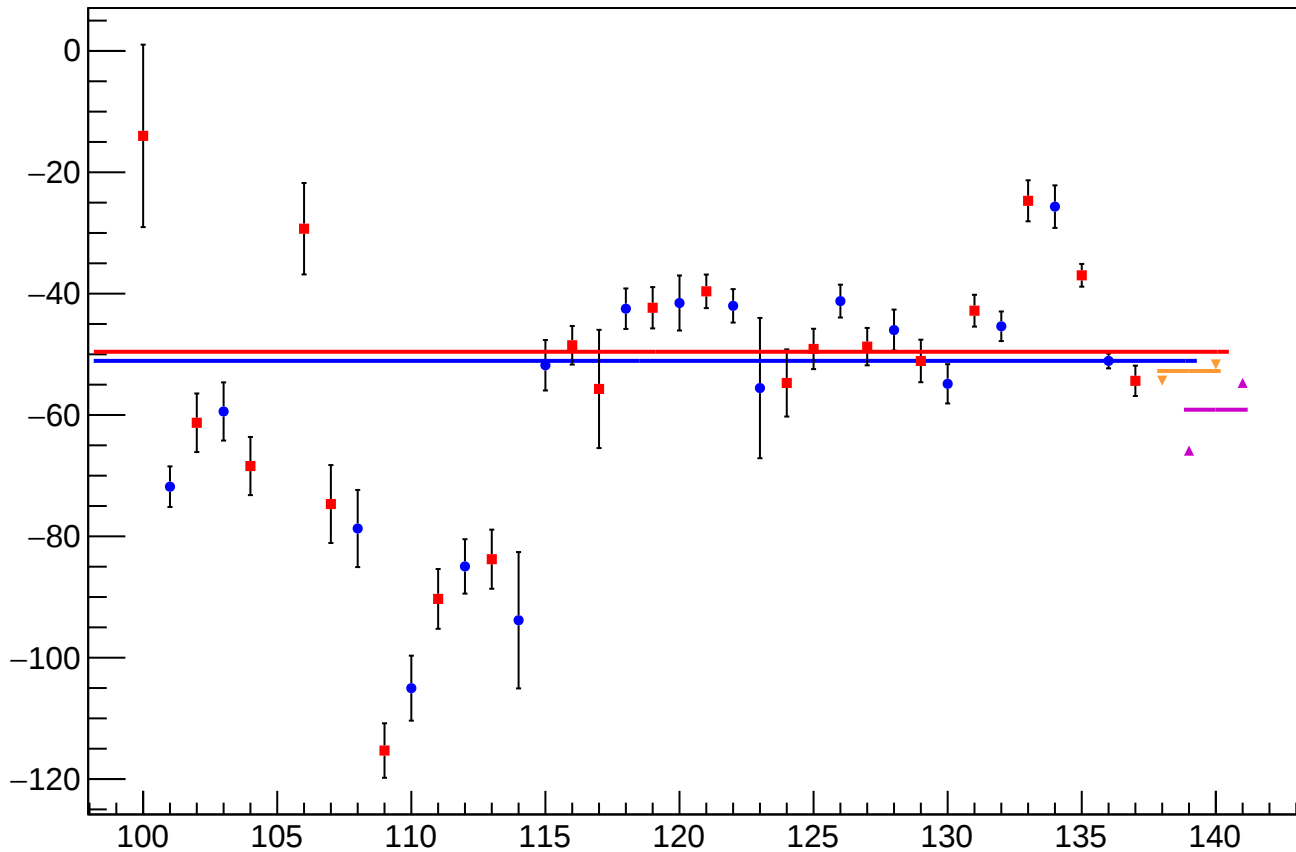
Right Out: 6.086 ± 0.433 χ^2/NDF : 1512.2/19

Left In: 2.879 ± 0.427 χ^2/NDF : 529.5/1

8.405 ± 0.247 χ^2/NDF : 1434.5/18

4.459 ± 0.304 χ^2/NDF : 2069.5/21

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -52.746 ± 0.469 χ^2/NDF : 7.8/1

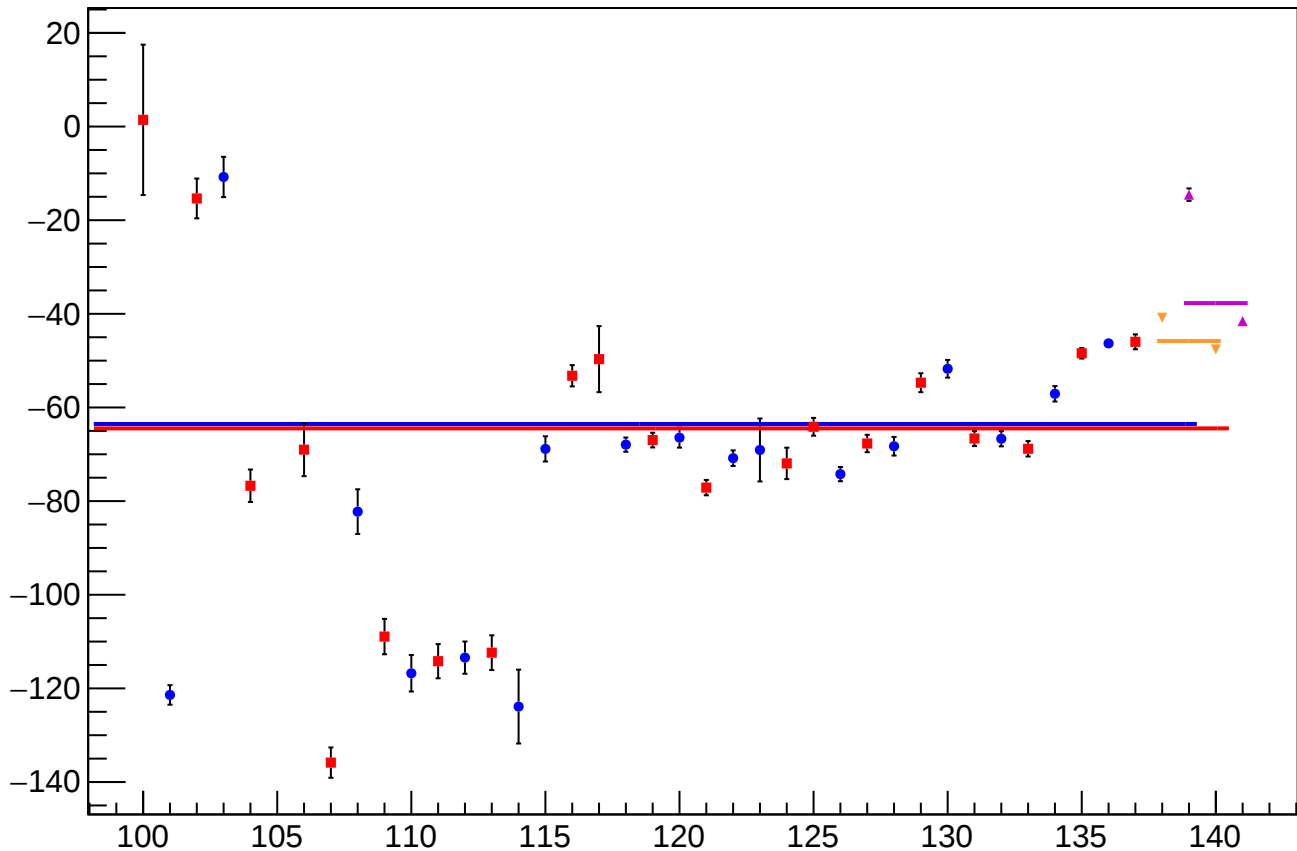
Right Out: -49.579 ± 0.796 χ^2/NDF : 510.0/19

Left In: -59.130 ± 0.524 χ^2/NDF : 108.8/1

-52.268 ± 0.396 χ^2/NDF : 341.7/18

-56.243 ± 0.437 χ^2/NDF : 719.3/21

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 $\pm$ 0.449 χ^2 /NDF: 2010.9/16

Left Out: -45.807 $\pm$ 0.388 χ^2 /NDF: 59.4/1

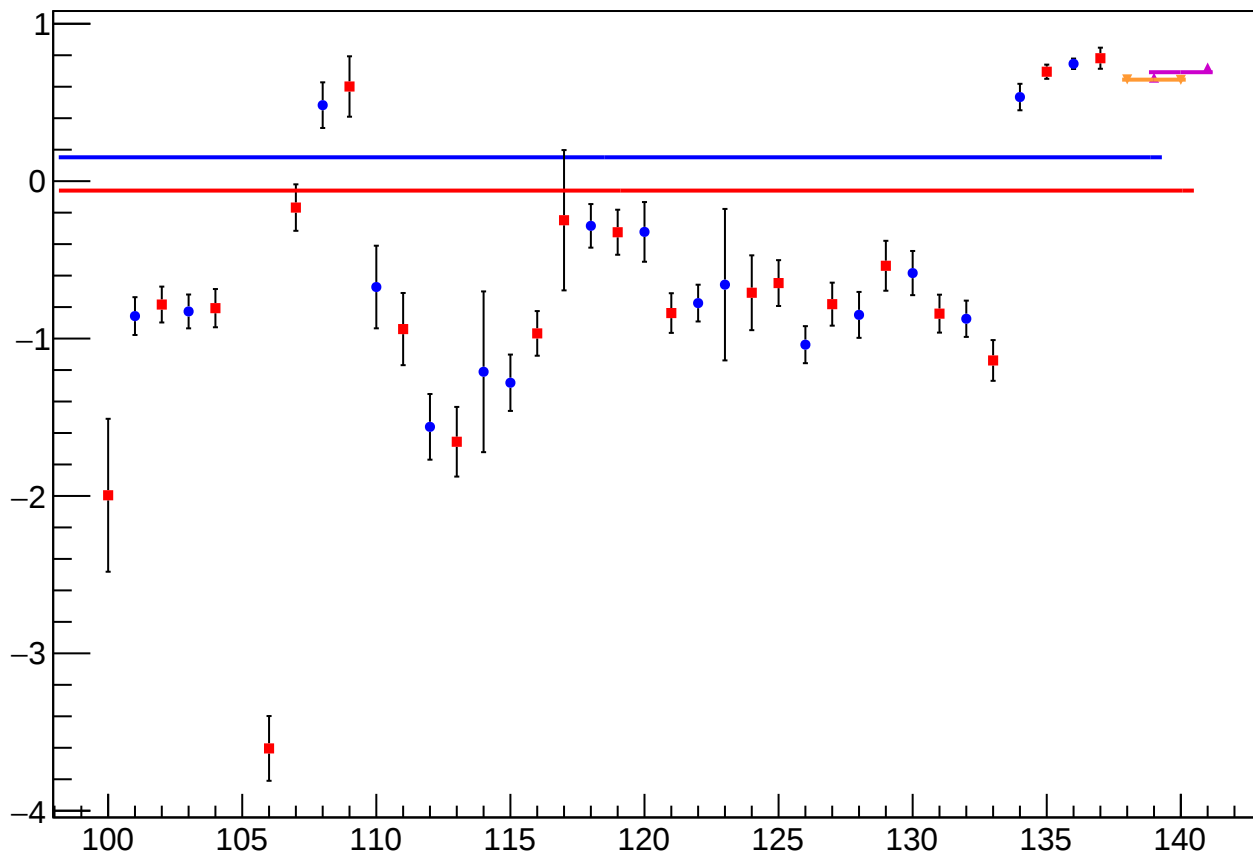
Right Out: -64.470 $\pm$ 0.482 χ^2 /NDF: 1607.5/19

Left In: -37.712 $\pm$ 0.502 χ^2 /NDF: 353.9/1

-53.381 $\pm$ 0.293 χ^2 /NDF: 2963.2/18

-51.639 $\pm$ 0.348 χ^2 /NDF: 3440.4/21

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$

Left Out: 0.645 ± 0.020 $\chi^2/\text{NDF}: 0.0/1$

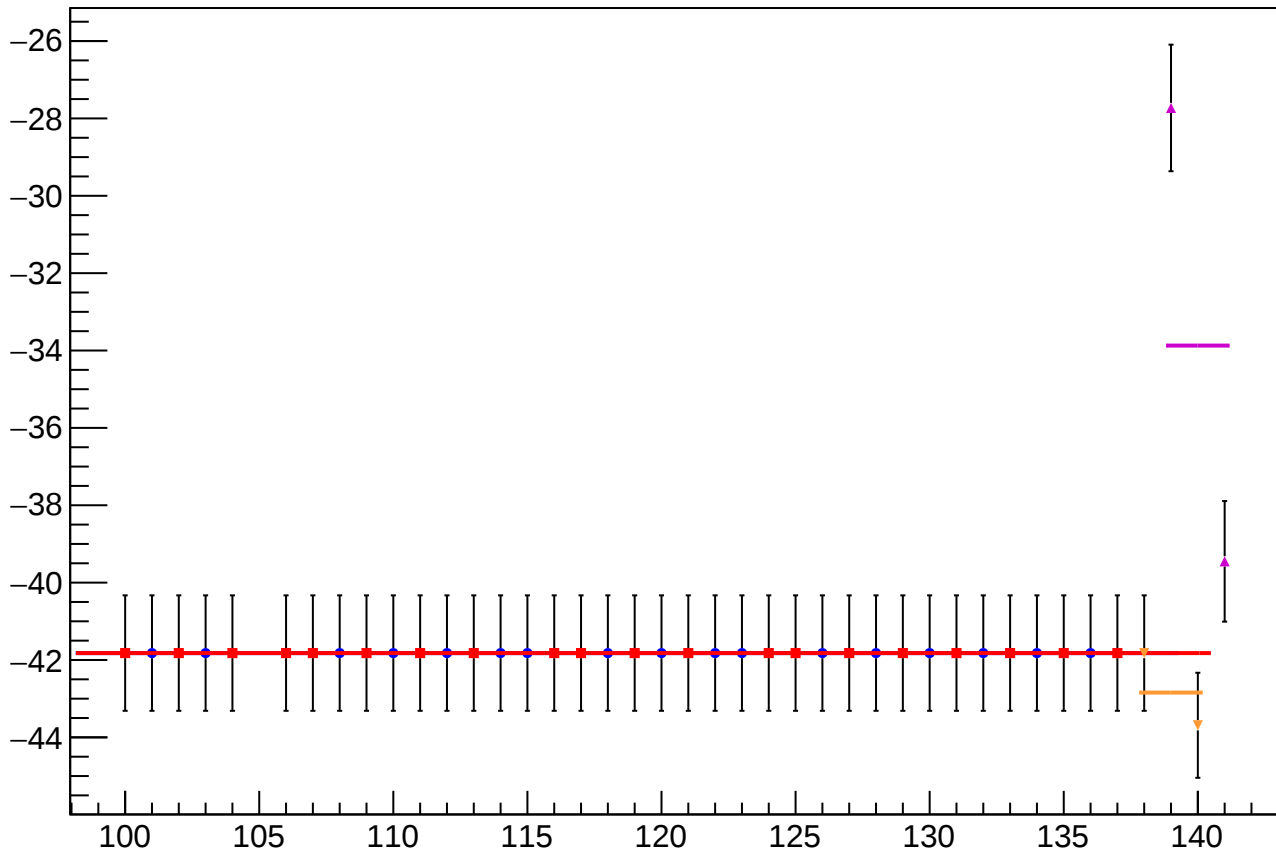
Right Out: -0.060 ± 0.026 $\chi^2/\text{NDF}: 1162.1/19$

Left In: 0.692 ± 0.020 $\chi^2/\text{NDF}: 2.6/1$

0.447 ± 0.015 $\chi^2/\text{NDF}: 1239.4/18$

0.416 ± 0.016 $\chi^2/\text{NDF}: 1684.7/21$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -41.821 ± 0.362 χ^2/NDF : 0.0/16

Left Out: -42.843 ± 1.004 χ^2/NDF : 0.9/1

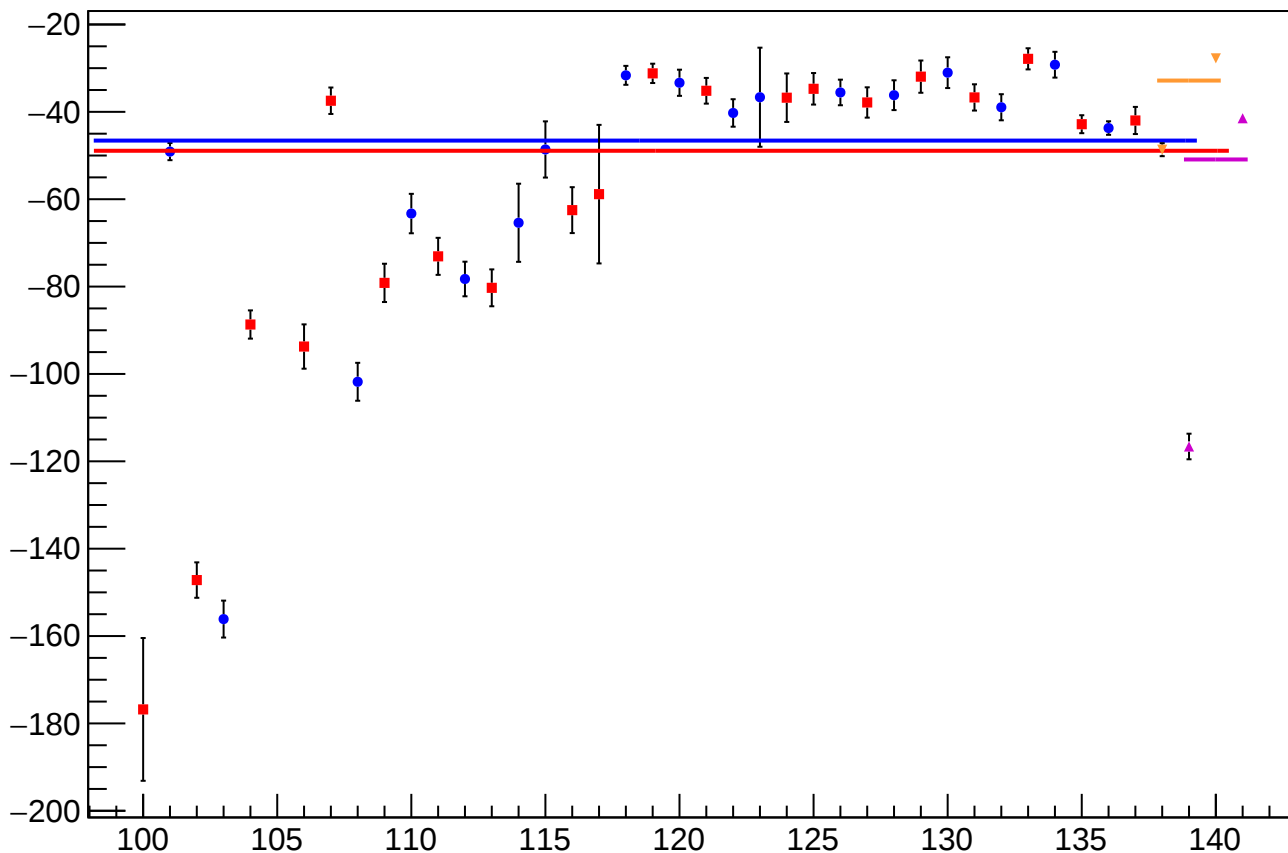
Right Out: -41.821 ± 0.334 χ^2/NDF : 0.0/19

Left In: -33.872 ± 1.128 χ^2/NDF : 26.9/1

-41.939 ± 0.341 χ^2/NDF : 1.8/18

-41.182 ± 0.320 χ^2/NDF : 72.5/21

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -32.837 ± 0.732 $\chi^2/\text{NDF}: 150.0/1$

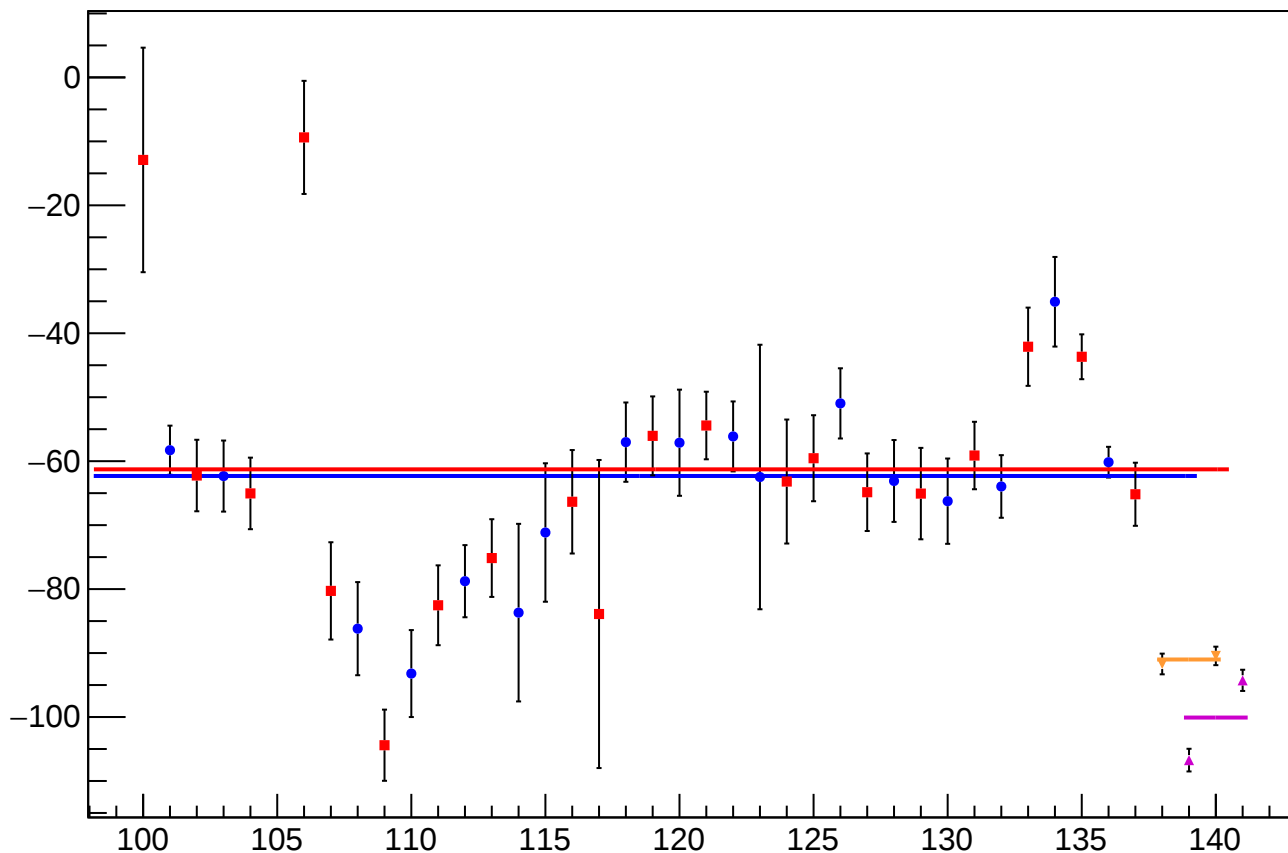
Right Out: -48.911 ± 0.763 $\chi^2/\text{NDF}: 1277.9/19$

Left In: -50.901 ± 1.038 $\chi^2/\text{NDF}: 574.9/1$

-39.734 ± 0.517 $\chi^2/\text{NDF}: 1403.0/18$

-49.608 ± 0.615 $\chi^2/\text{NDF}: 1855.2/21$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -91.007 ± 1.078 χ^2/NDF : 0.3/1

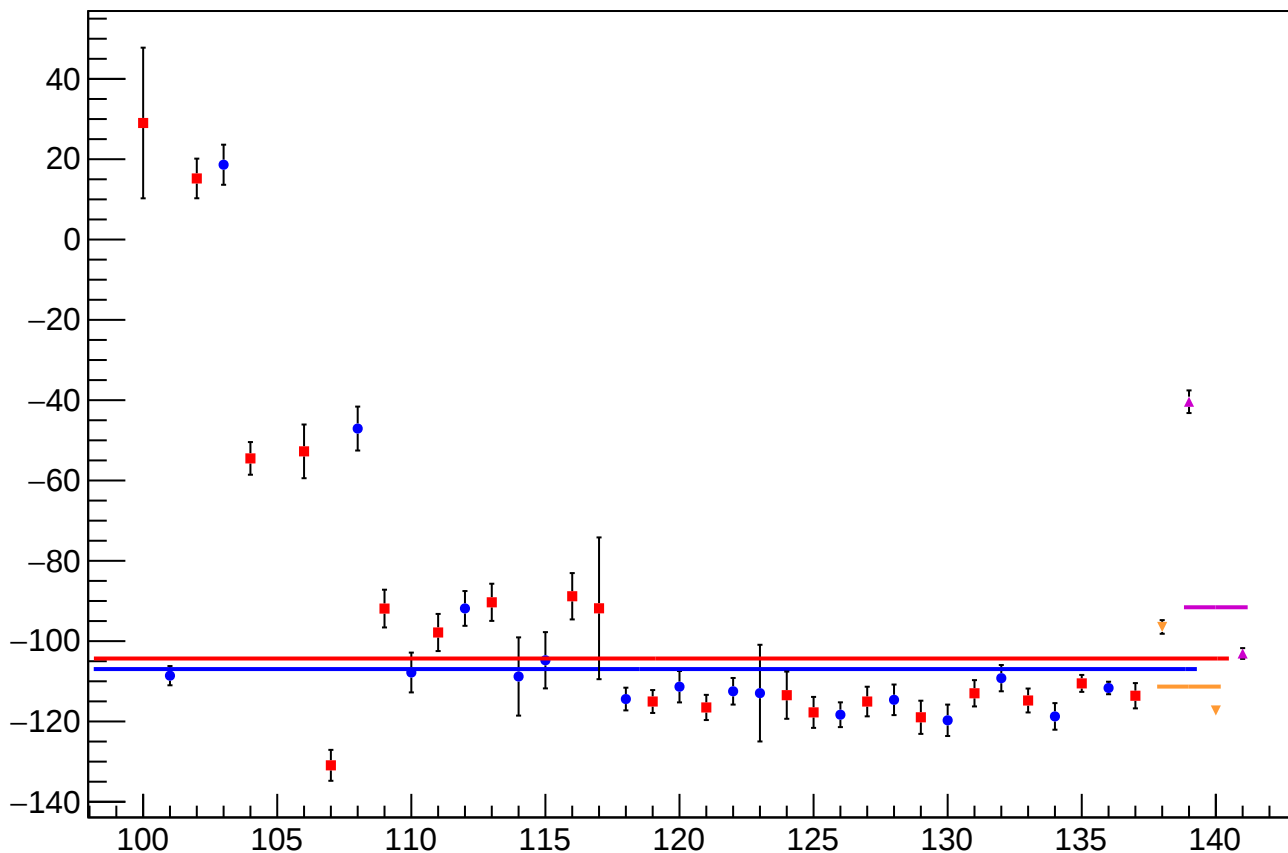
Right Out: -61.277 ± 1.379 χ^2/NDF : 165.9/19

Left In: -100.084 ± 1.211 χ^2/NDF : 26.4/1

-79.482 ± 0.834 χ^2/NDF : 352.0/18

-83.189 ± 0.910 χ^2/NDF : 639.7/21

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954+/-0.817 χ^2 /NDF: 827.2/16

Left Out: -111.318+/-0.910 χ^2 /NDF:106.6/1

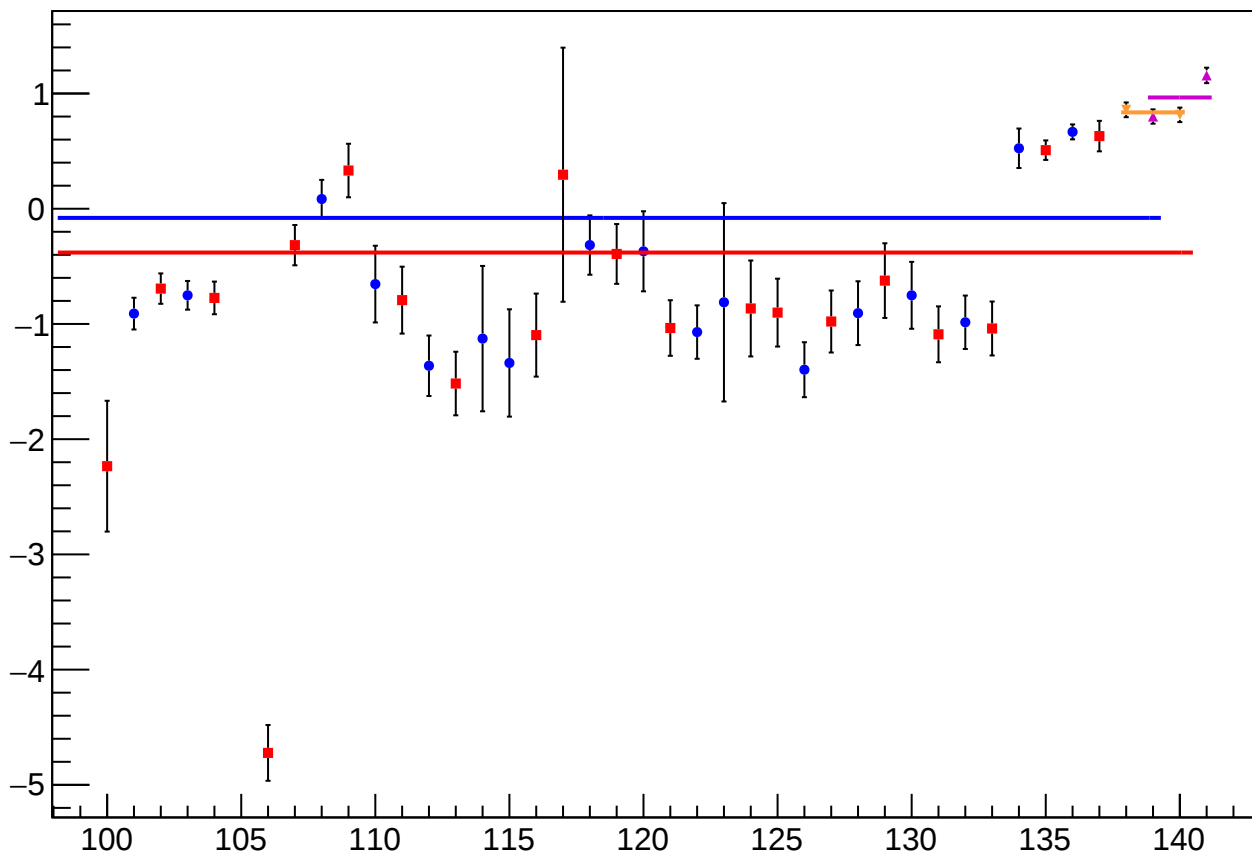
Right Out: -104.326+/-0.860 χ^2 /NDF: 1021.5/19

Left In: -91.566+/-1.208 χ^2 /NDF:403.5/1

-108.901+/-0.608 χ^2 /NDF: 946.5/18

-100.033+/-0.701 χ^2 /NDF: 1499.0/21

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.836 ± 0.045 χ^2/NDF : 0.2/1

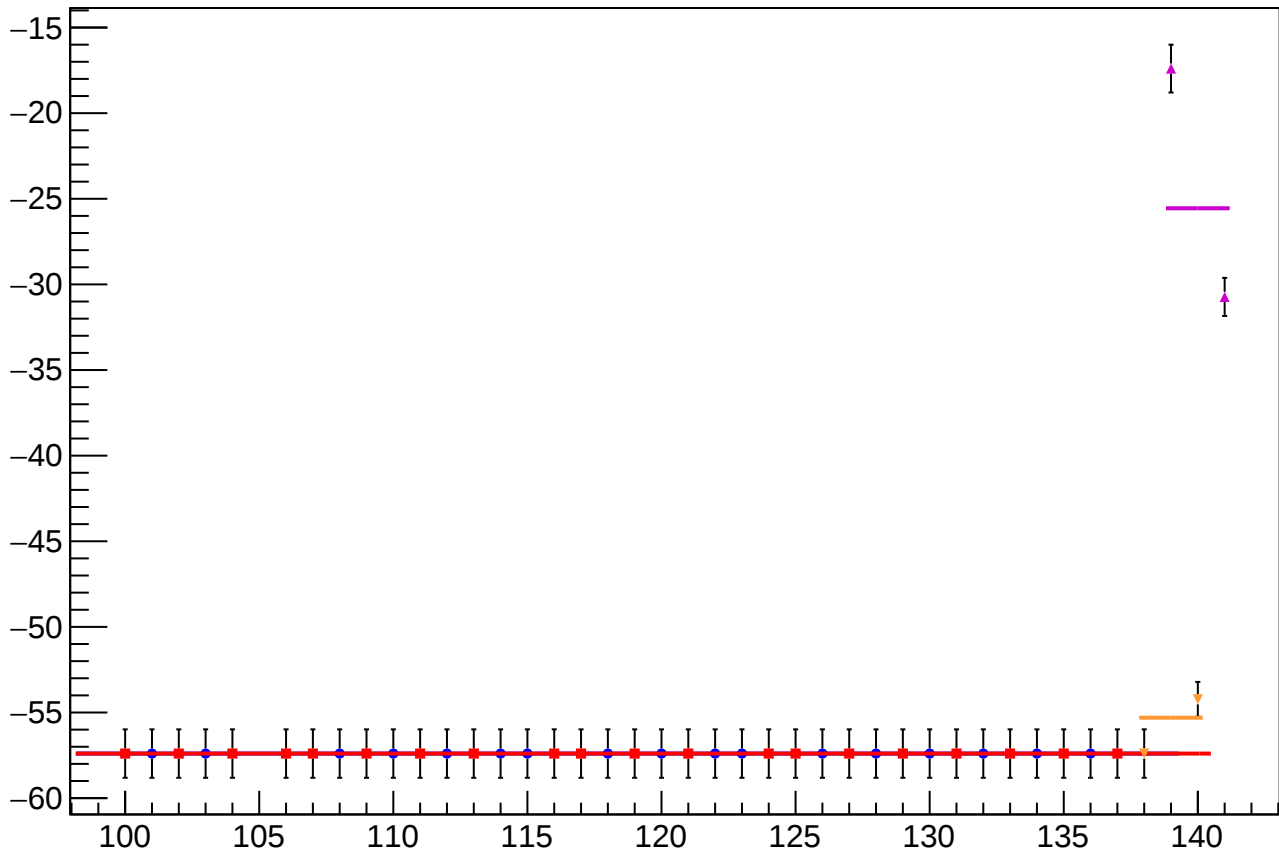
Right Out: -0.380 ± 0.044 χ^2/NDF : 580.9/19

Left In: 0.966 ± 0.046 χ^2/NDF : 15.2/1

0.351 ± 0.031 χ^2/NDF : 549.5/18

0.269 ± 0.032 χ^2/NDF : 1047.6/21

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -57.398 ± 0.343 χ^2/NDF : 0.0/16

Left Out: -55.303 ± 0.824 χ^2/NDF : 3.3/1

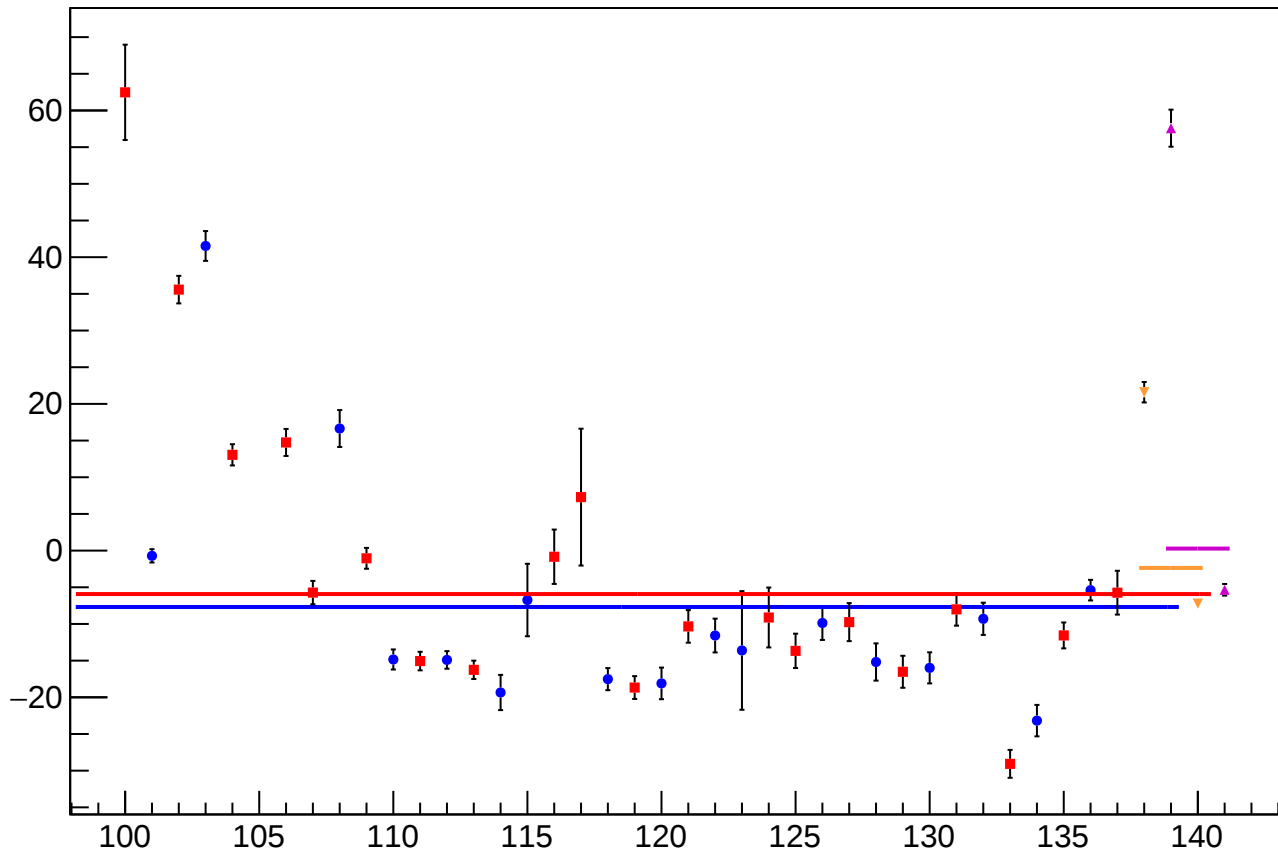
Right Out: -57.398 ± 0.316 χ^2/NDF : 0.0/19

Left In: -25.554 ± 0.870 χ^2/NDF : 55.7/1

-57.088 ± 0.317 χ^2/NDF : 8.8/18

-53.682 ± 0.297 χ^2/NDF : 1238.1/21

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 $\chi^2/\text{NDF}: 975.9/16$

Left Out: -2.360 ± 0.573 $\chi^2/\text{NDF}: 355.3/1$

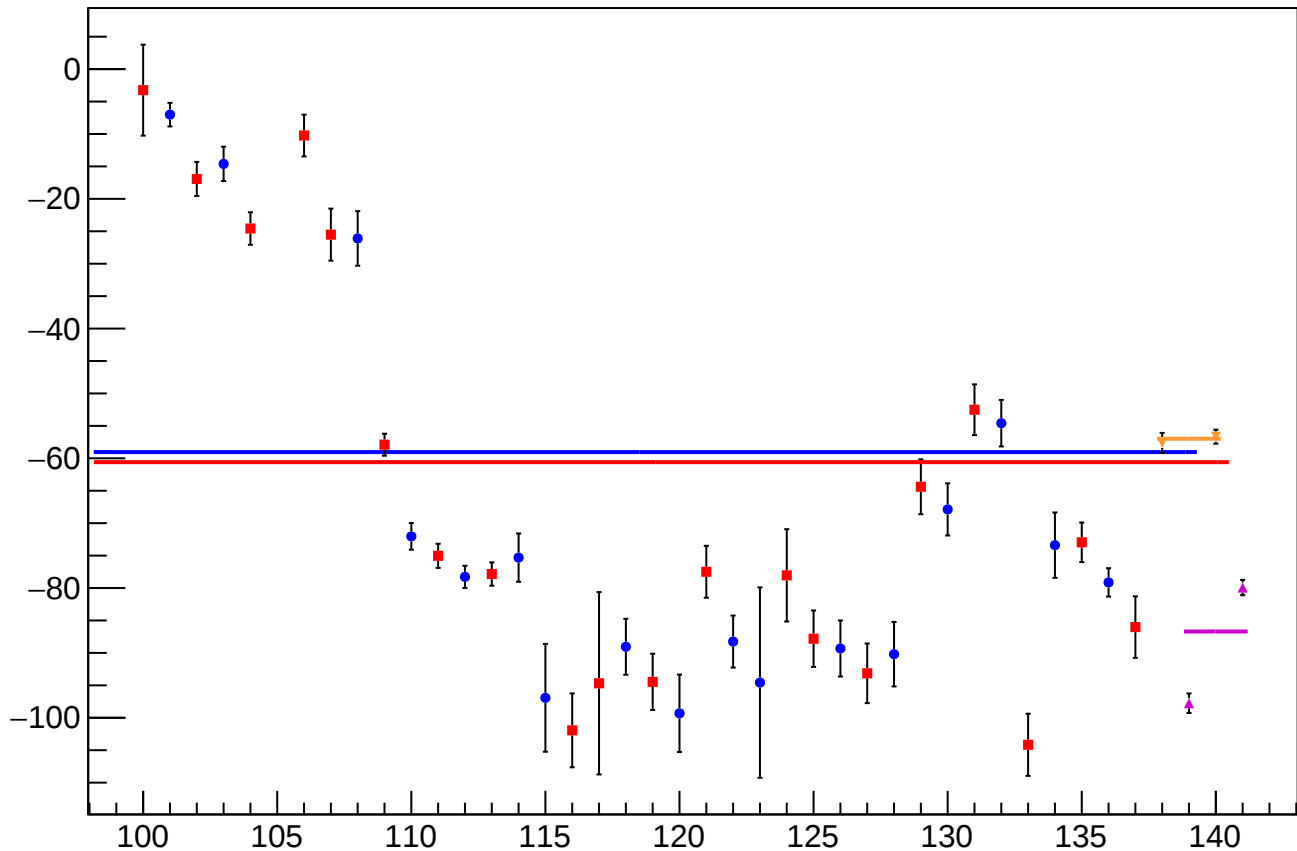
Right Out: -5.925 ± 0.428 $\chi^2/\text{NDF}: 1300.1/19$

Left In: 0.278 ± 0.755 $\chi^2/\text{NDF}: 564.9/1$

-5.768 ± 0.344 $\chi^2/\text{NDF}: 1386.5/18$

-4.414 ± 0.373 $\chi^2/\text{NDF}: 1916.0/21$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 $\pm$ 0.746 χ^2/NDF : 1709.5/16

Left Out: -56.983 $\pm$ 0.883 χ^2/NDF : 0.3/1

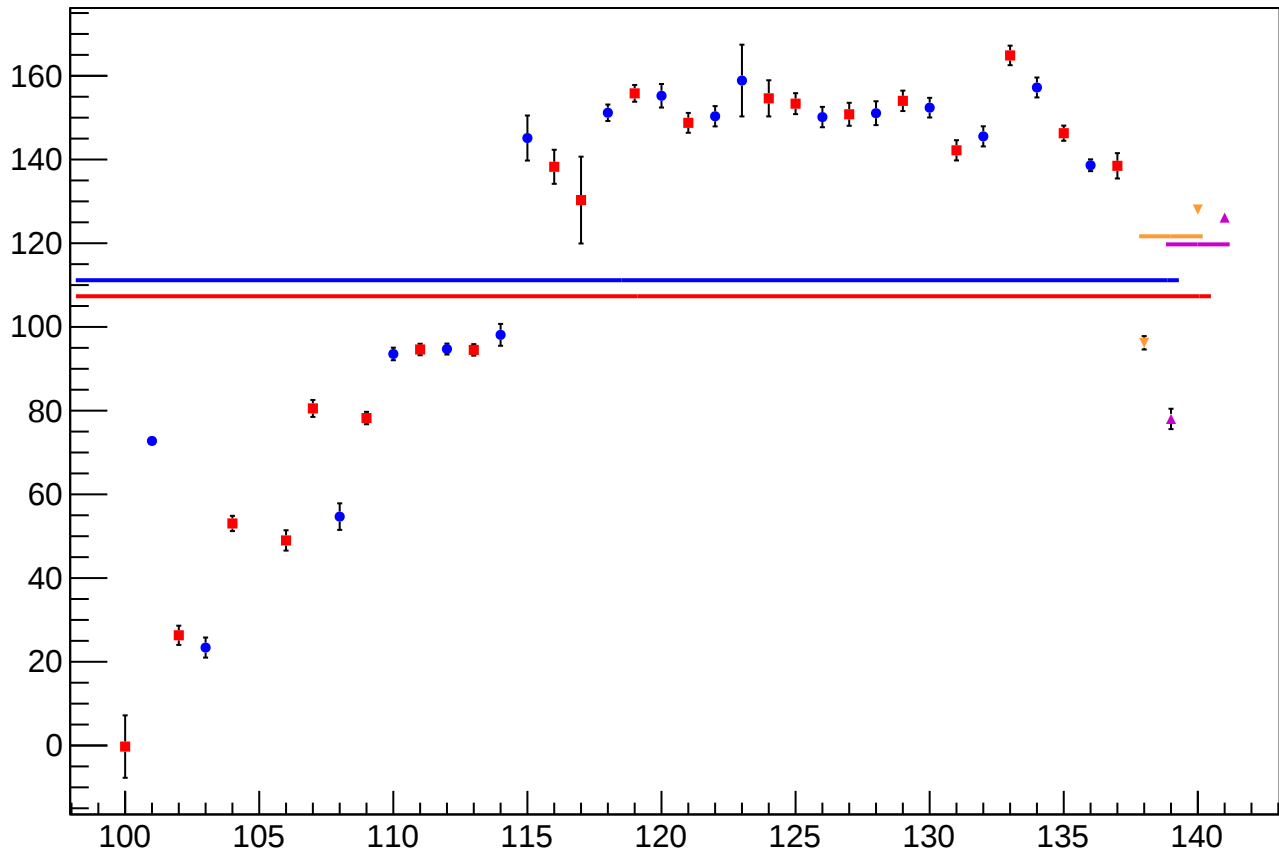
Right Out: -60.593 $\pm$ 0.704 χ^2/NDF : 1390.7/19

Left In: -86.704 $\pm$ 0.932 χ^2/NDF : 86.3/1

-58.183 $\pm$ 0.570 χ^2/NDF : 1712.9/18

-70.075 $\pm$ 0.561 χ^2/NDF : 1977.3/21

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: 121.652 $\pm$ 0.718 χ^2 /NDF: 315.4/1

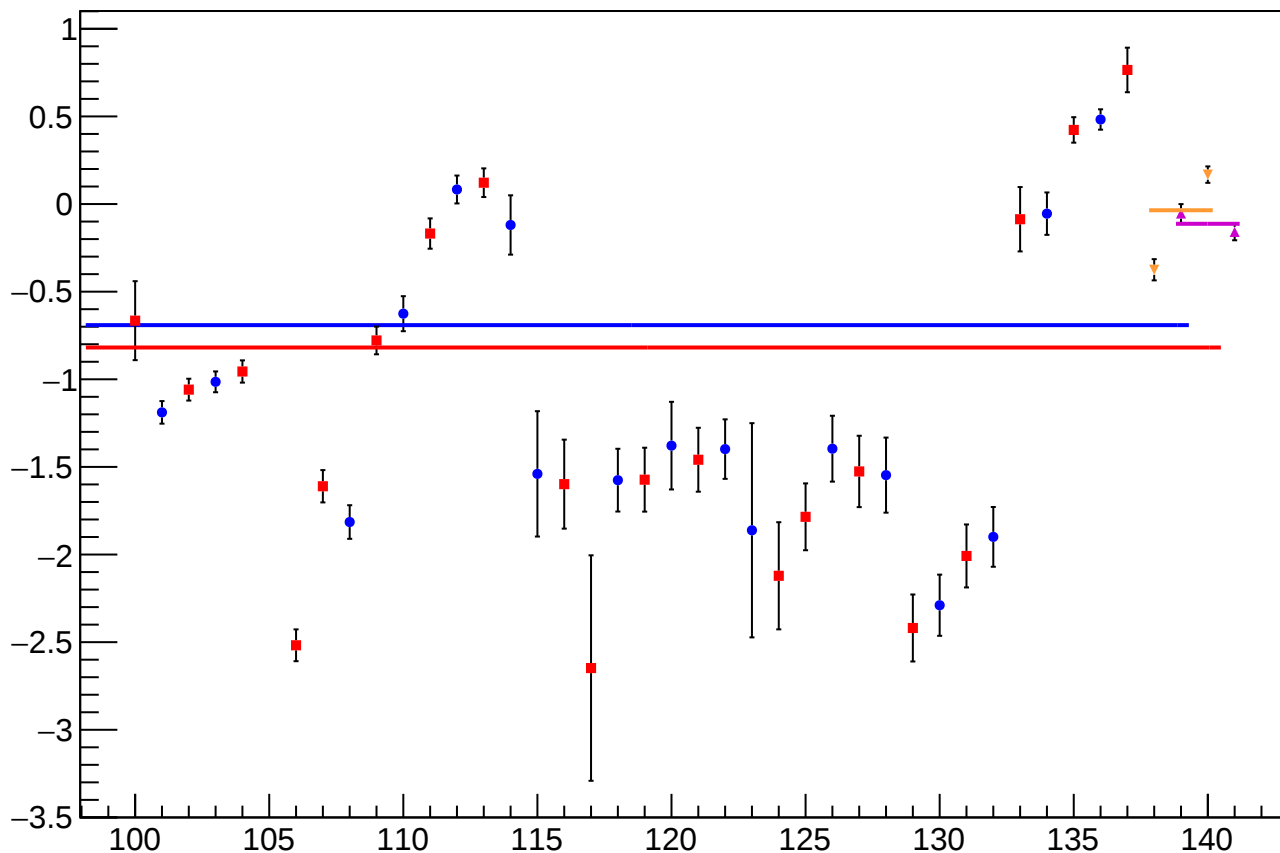
Right Out: 107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

Left In: 119.729 $\pm$ 0.887 χ^2 /NDF: 338.8/1

114.481 $\pm$ 0.404 χ^2 /NDF: 6338.7/18

110.205 $\pm$ 0.427 χ^2 /NDF: 7548.7/21

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 $\chi^2/\text{NDF}: 990.9/16$

Left Out: -0.035 ± 0.037 $\chi^2/\text{NDF}: 50.2/1$

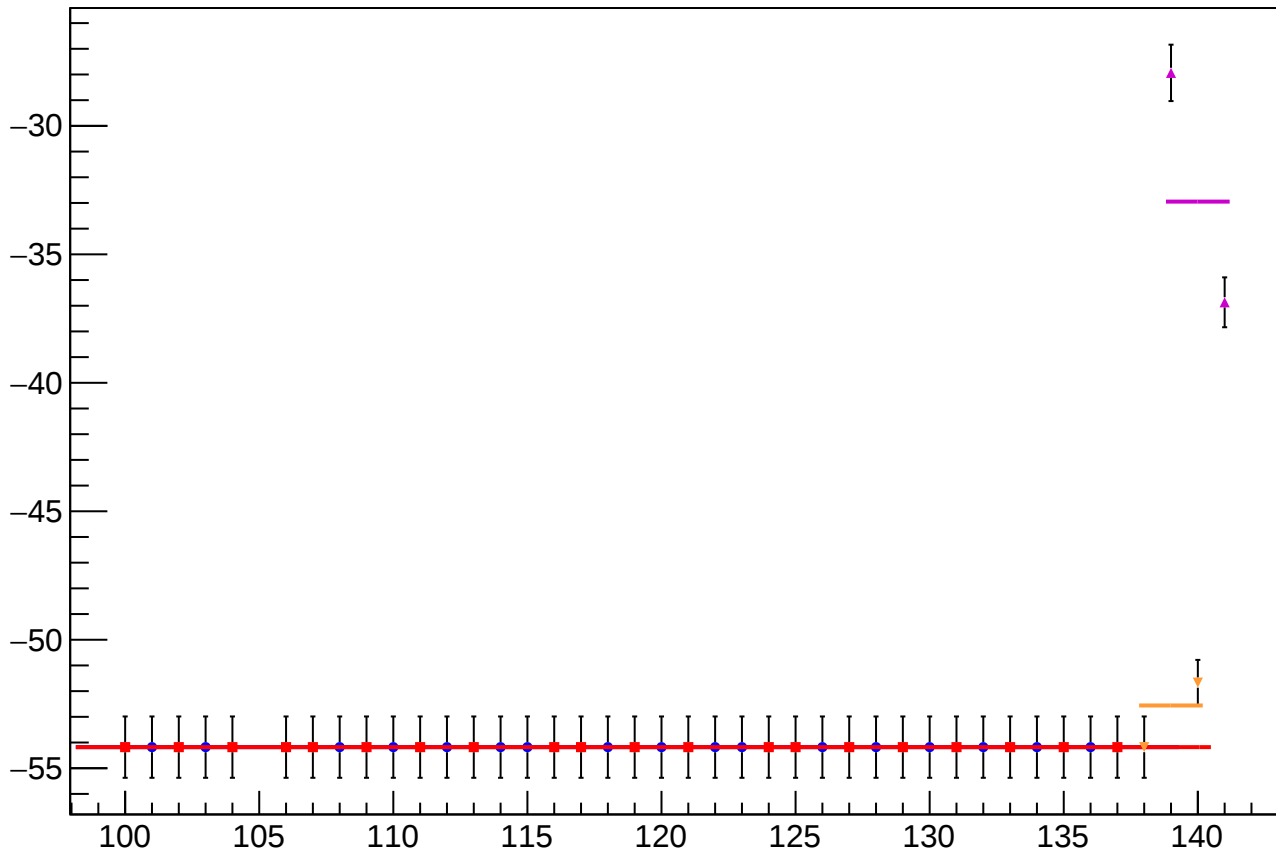
Right Out: -0.819 ± 0.024 $\chi^2/\text{NDF}: 1312.5/19$

Left In: -0.113 ± 0.036 $\chi^2/\text{NDF}: 2.1/1$

-0.477 ± 0.021 $\chi^2/\text{NDF}: 1251.6/18$

-0.594 ± 0.020 $\chi^2/\text{NDF}: 1581.7/21$

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -54.179 $\pm$ 0.289 χ^2 /NDF: 0.0/16

Left Out: -52.558 $\pm$ 0.710 χ^2 /NDF:2.9/1

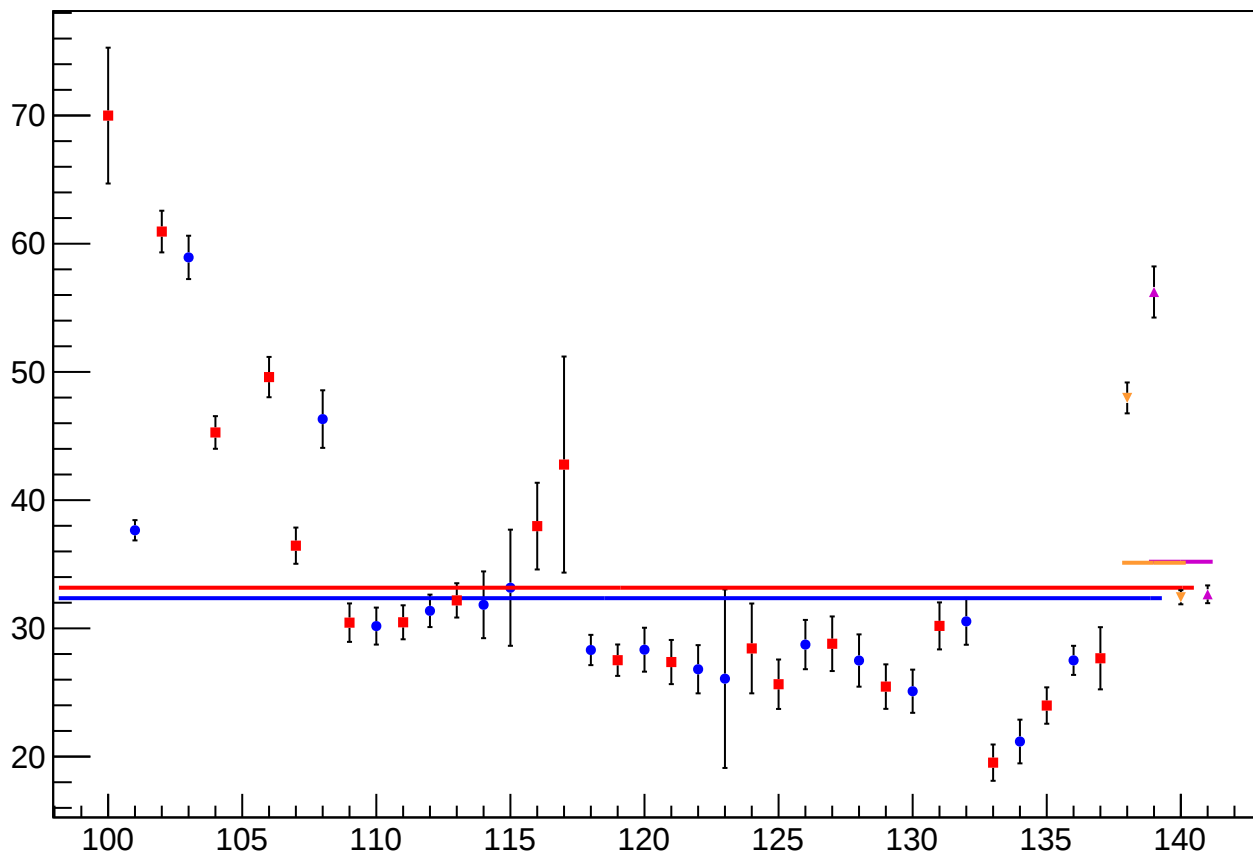
Right Out: -54.179 $\pm$ 0.267 χ^2 /NDF: 0.0/19

Left In: -32.947 $\pm$ 0.727 χ^2 /NDF:37.1/1

-53.948 $\pm$ 0.268 χ^2 /NDF: 7.3/18

-51.659 $\pm$ 0.251 χ^2 /NDF: 788.3/21

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355+/-0.375 χ^2/NDF : 450.5/16

Left Out: 35.119+/-0.501 χ^2/NDF :137.8/1

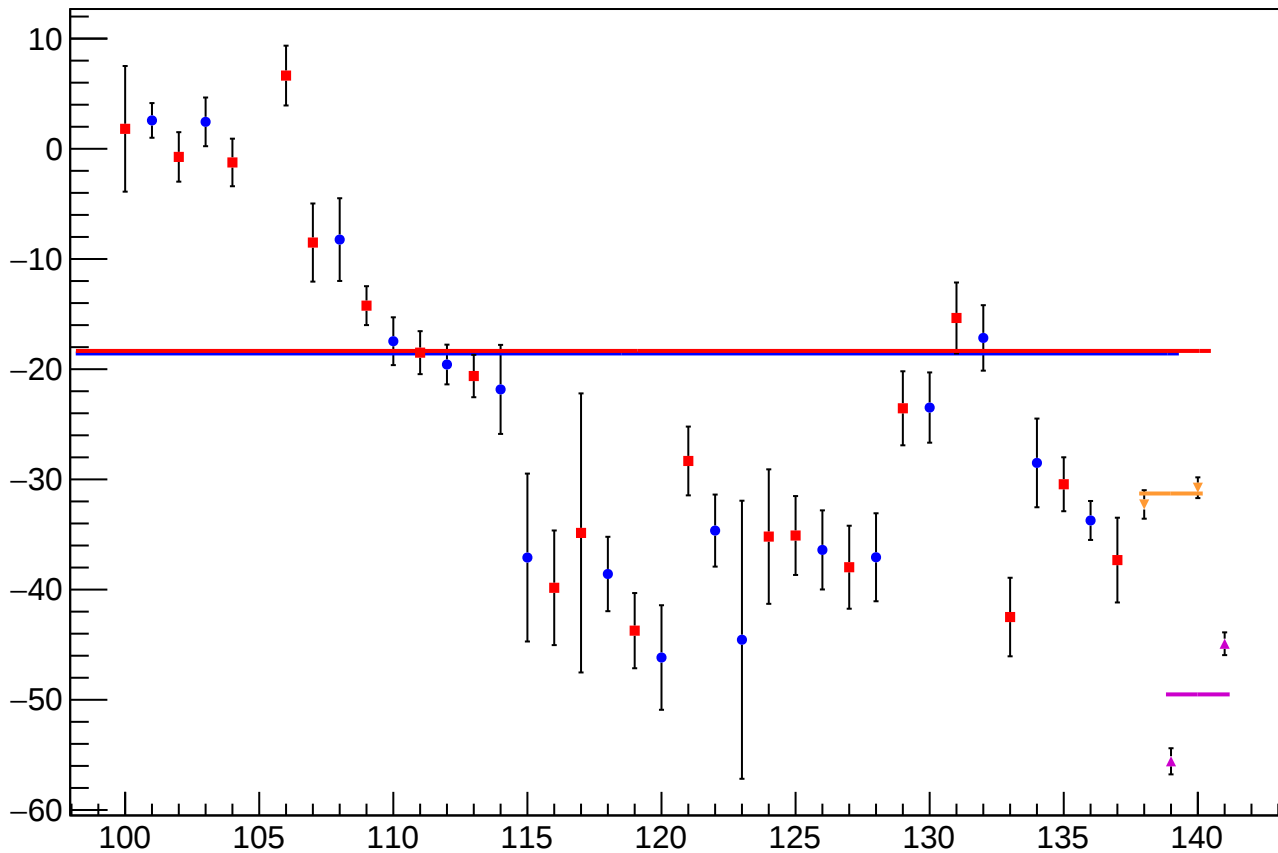
Right Out: 33.172+/-0.378 χ^2/NDF : 773.3/19

Left In: 35.198+/-0.654 χ^2/NDF :124.8/1

33.349+/-0.300 χ^2/NDF : 607.7/18

33.679+/-0.328 χ^2/NDF : 905.2/21

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572±0.667 χ^2/NDF : 511.5/16

Left Out: -31.280±0.761 χ^2/NDF : 0.9/1

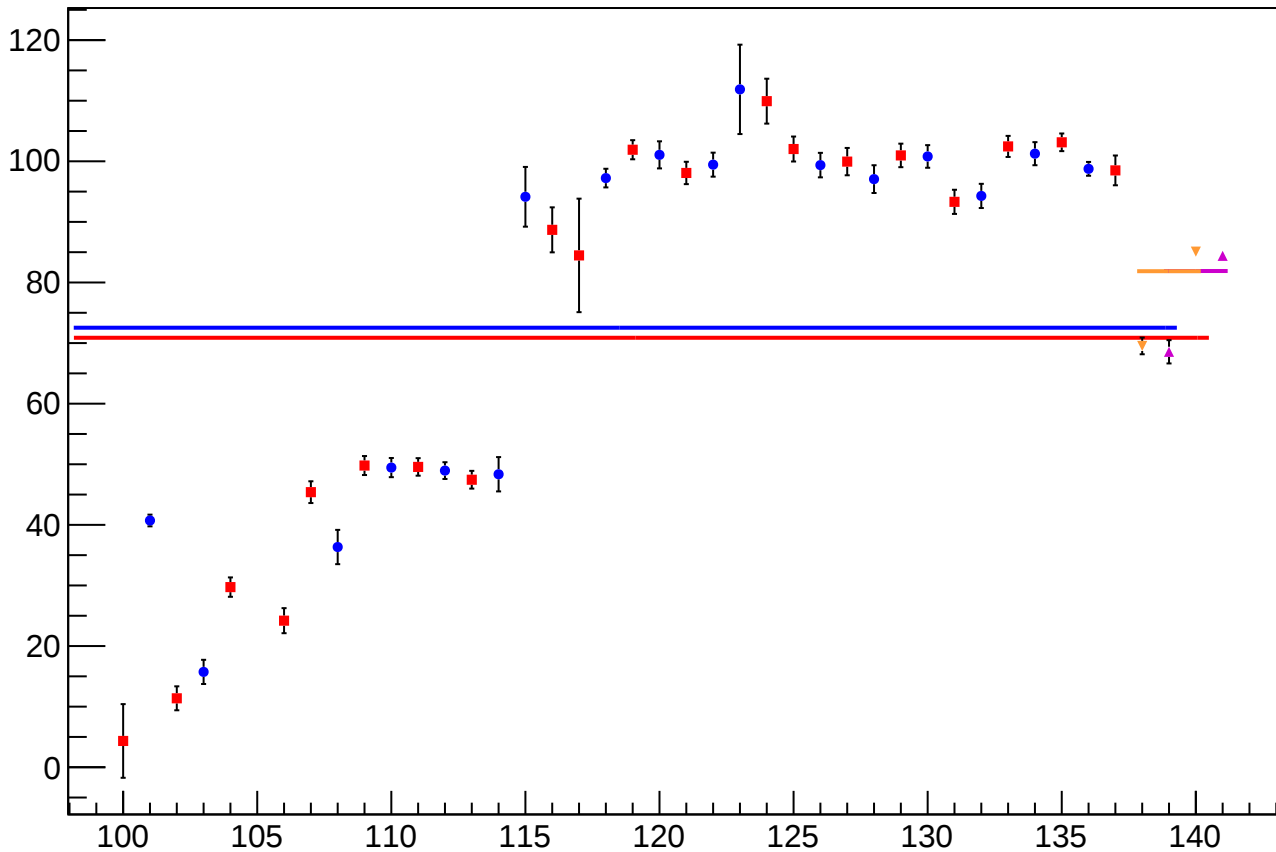
Right Out: -18.343±0.643 χ^2/NDF : 475.1/19

Left In: -49.511±0.779 χ^2/NDF : 46.0/1

-24.096±0.502 χ^2/NDF : 670.0/18

-30.974±0.496 χ^2/NDF : 1473.3/21

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537+/-0.428 χ^2 /NDF: 4684.1/16

Left Out: 81.863+/-0.627 χ^2 /NDF:101.4/1

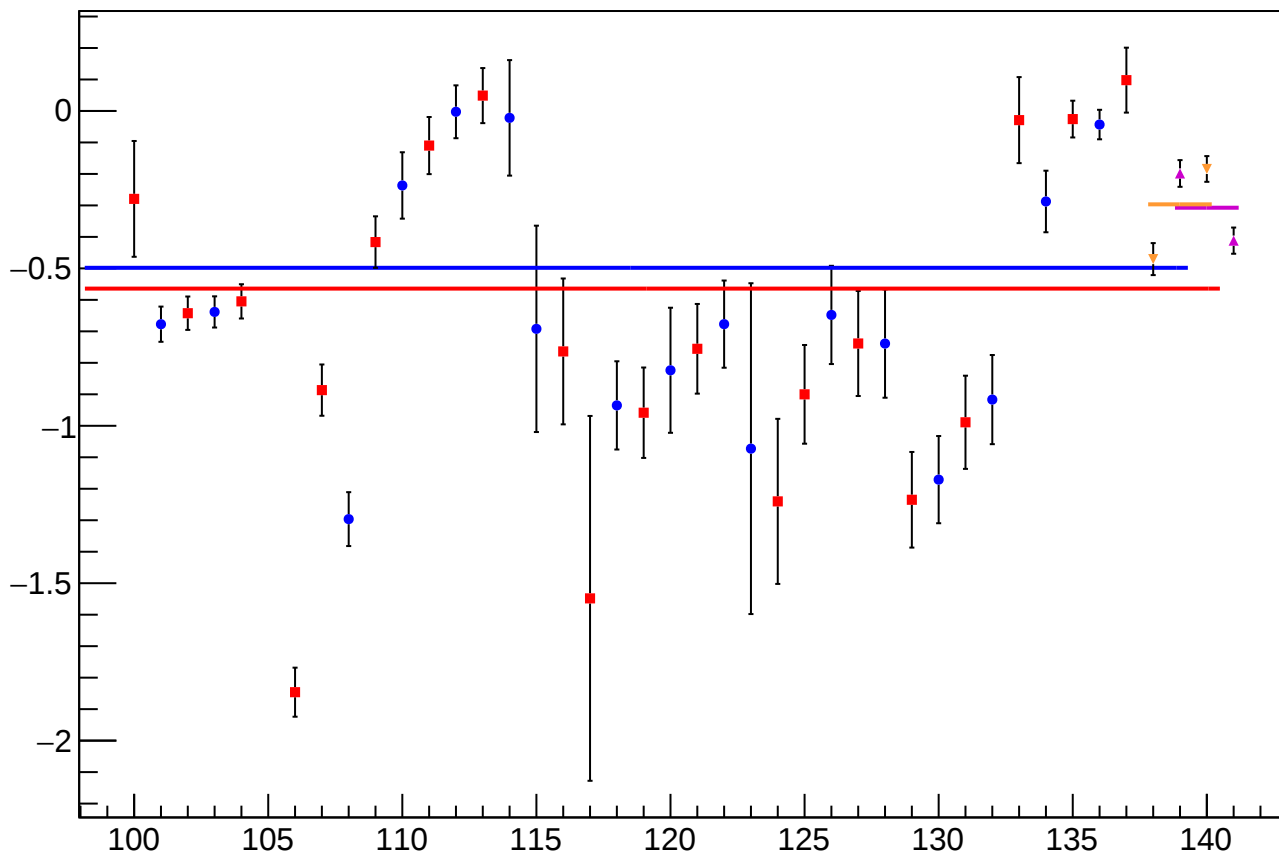
Right Out: 70.878+/-0.433 χ^2 /NDF: 5502.3/19

Left In: 81.893+/-0.764 χ^2 /NDF:57.2/1

75.506+/-0.354 χ^2 /NDF: 4936.4/18

73.553+/-0.377 χ^2 /NDF: 5716.9/21

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.297 ± 0.032 χ^2/NDF : 19.3/1

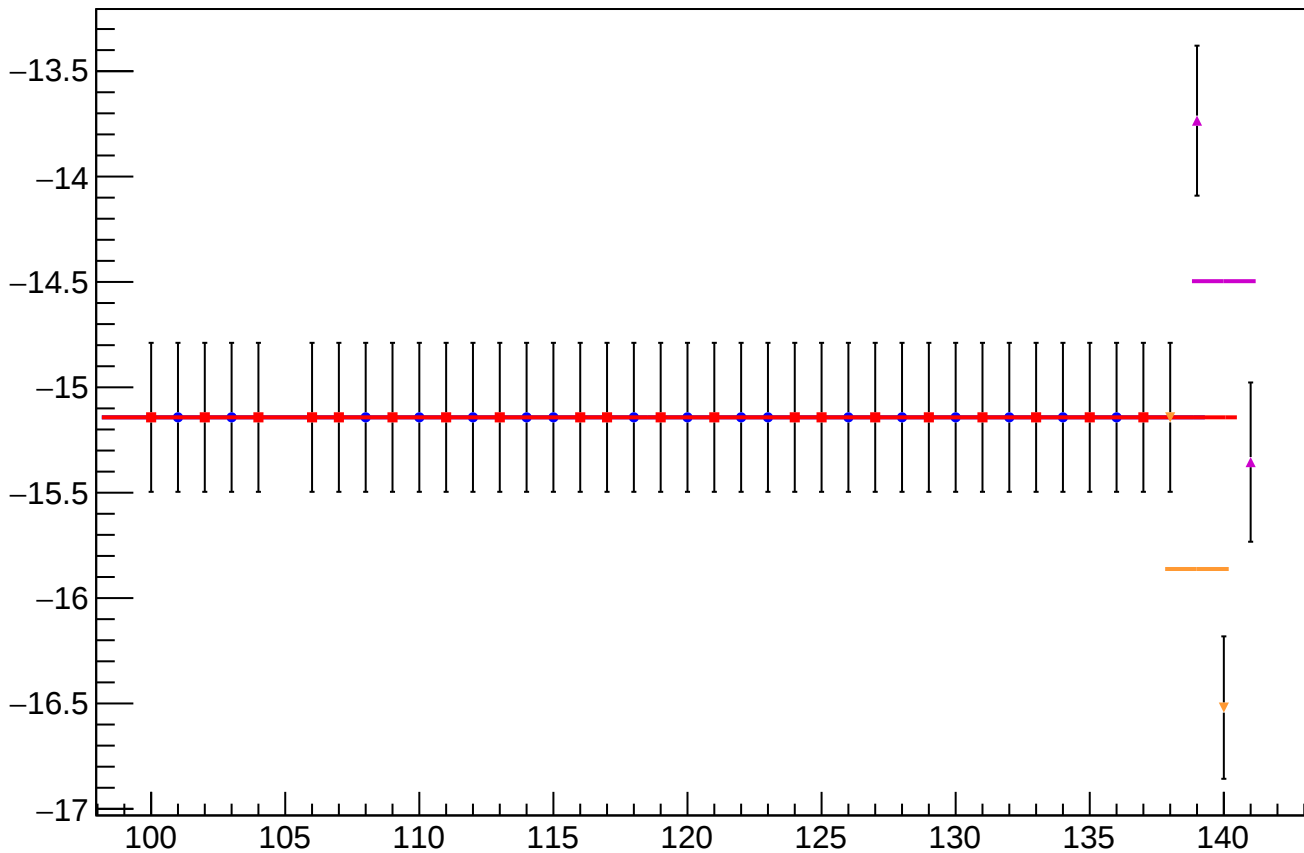
Right Out: -0.564 ± 0.021 χ^2/NDF : 563.6/19

Left In: -0.307 ± 0.030 χ^2/NDF : 12.9/1

-0.432 ± 0.018 χ^2/NDF : 348.9/18

-0.476 ± 0.017 χ^2/NDF : 625.8/21

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.142 ± 0.086 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -15.862 ± 0.244 $\chi^2/\text{NDF}: 7.9/1$

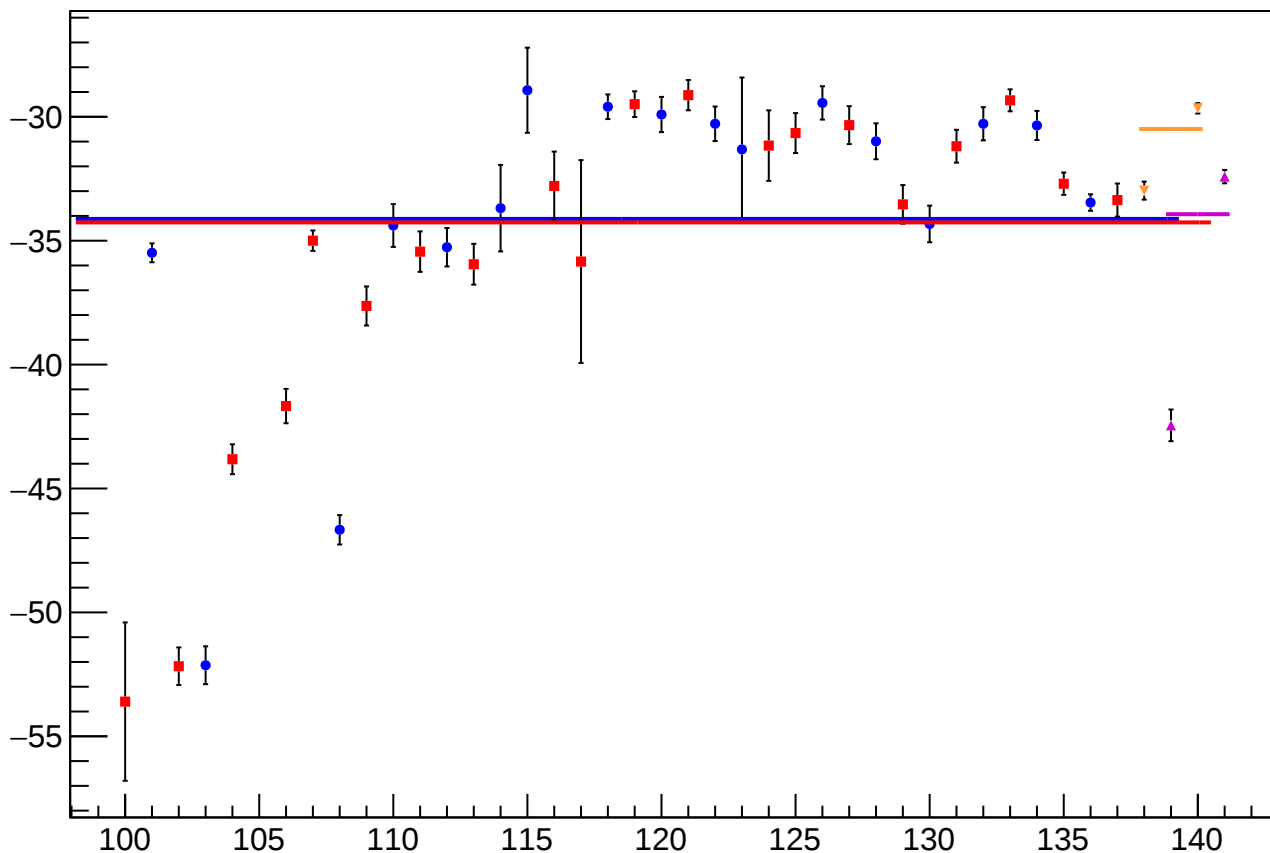
Right Out: -15.142 ± 0.079 $\chi^2/\text{NDF}: 0.0/19$

Left In: -14.496 ± 0.259 $\chi^2/\text{NDF}: 9.7/1$

-15.221 ± 0.081 $\chi^2/\text{NDF}: 15.7/18$

-15.087 ± 0.076 $\chi^2/\text{NDF}: 15.4/21$

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: -30.493 ± 0.183 $\chi^2/\text{NDF}: 62.3/1$

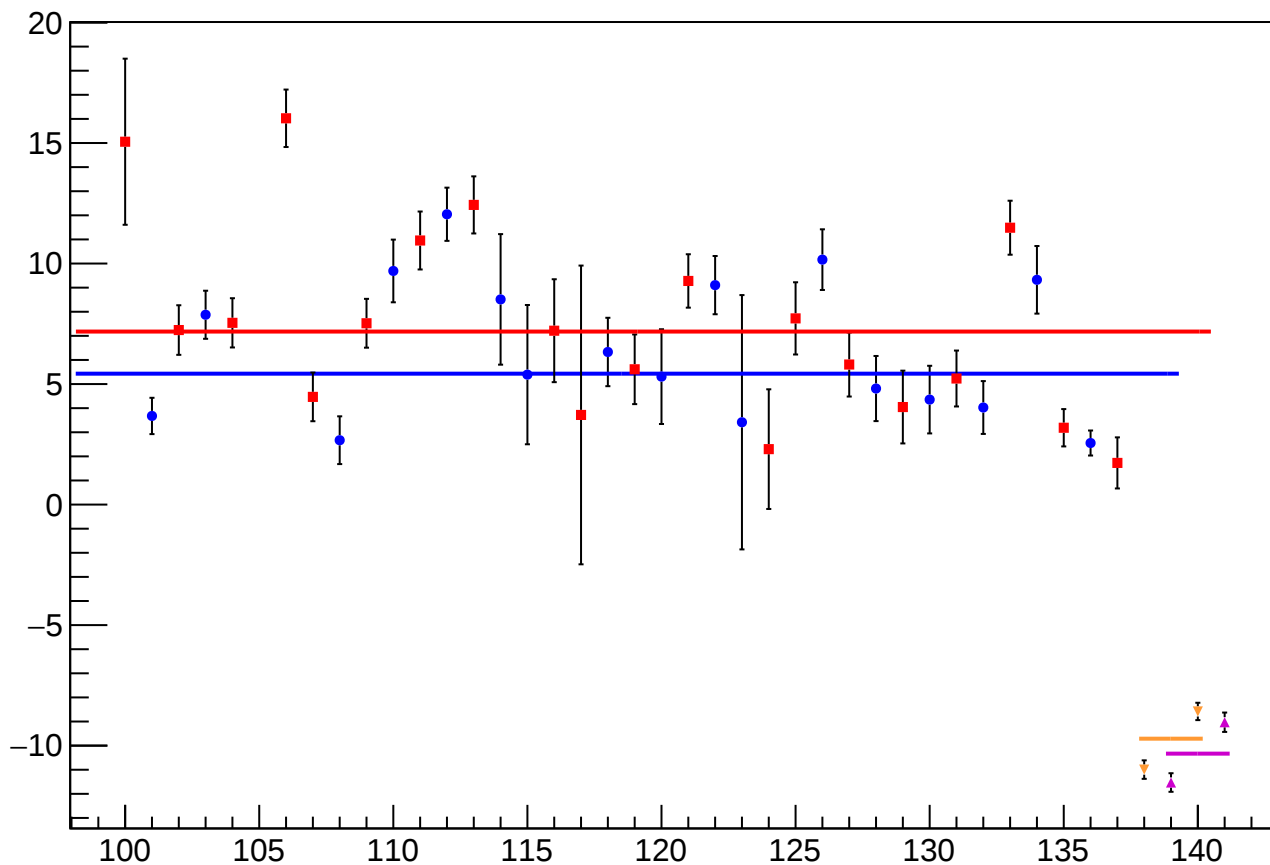
Right Out: -34.262 ± 0.151 $\chi^2/\text{NDF}: 1355.1/19$

Left In: -33.930 ± 0.249 $\chi^2/\text{NDF}: 208.7/1$

-32.638 ± 0.117 $\chi^2/\text{NDF}: 1618.3/18$

-34.173 ± 0.129 $\chi^2/\text{NDF}: 1565.1/21$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 $\pm$ 0.270 χ^2 /NDF: 132.0/16

Left Out: -9.712 $\pm$ 0.262 χ^2 /NDF: 21.1/1

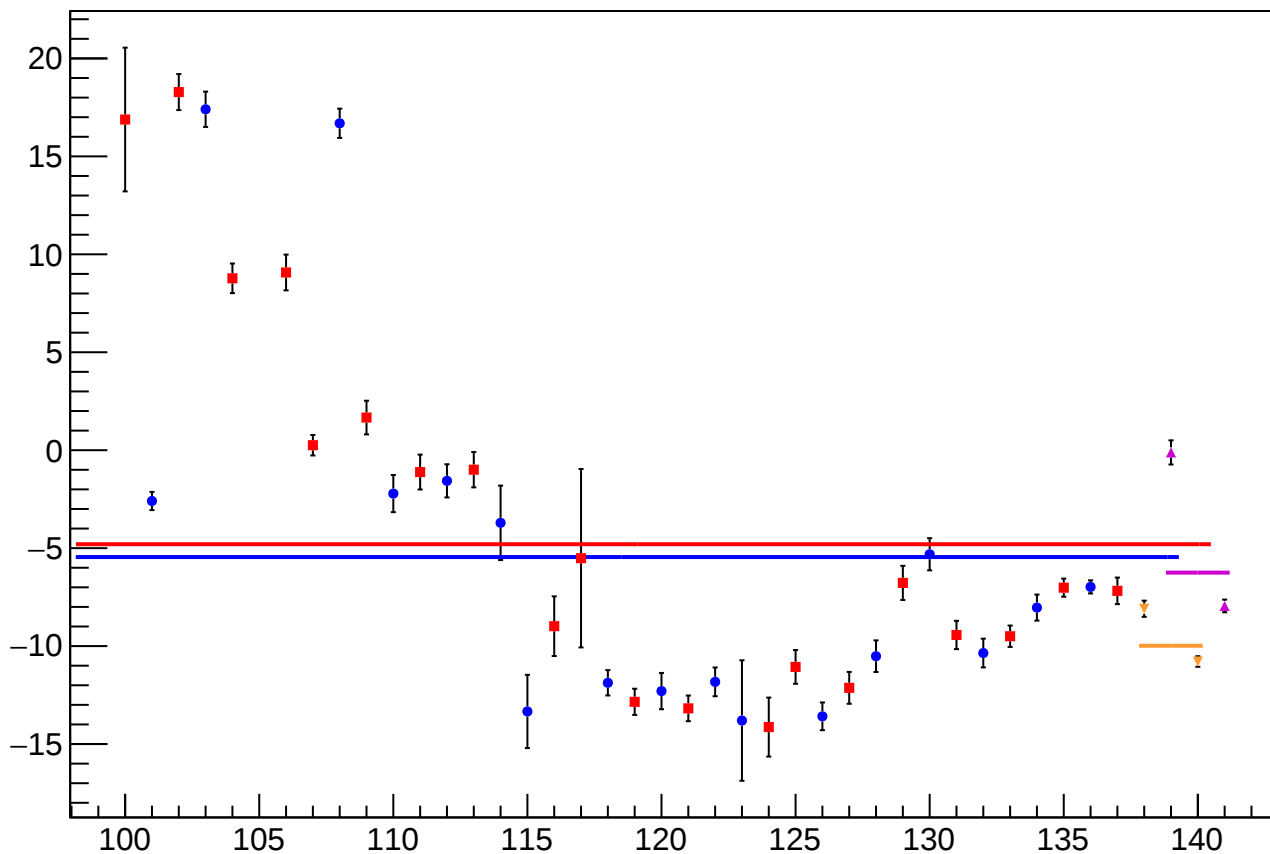
Right Out: 7.178 $\pm$ 0.274 χ^2 /NDF: 182.4/19

Left In: -10.332 $\pm$ 0.278 χ^2 /NDF: 20.2/1

-2.369 $\pm$ 0.188 χ^2 /NDF: 1768.6/18

-1.454 $\pm$ 0.195 χ^2 /NDF: 2213.3/21

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455+/-0.171 χ^2/NDF : 2096.5/16

Left Out: -9.983+/-0.226 χ^2/NDF : 29.8/1

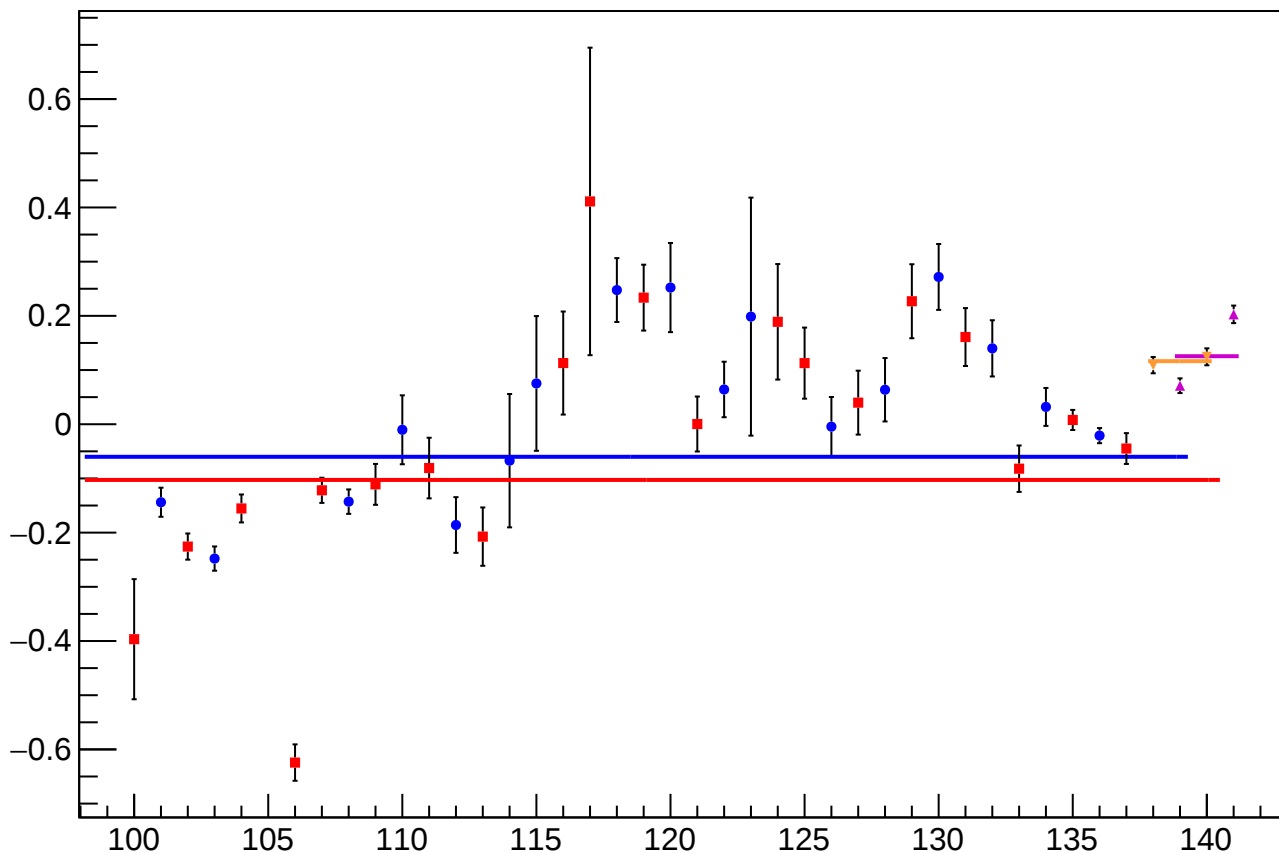
Right Out: -4.799+/-0.173 χ^2/NDF : 2047.5/19

Left In: -6.249+/-0.287 χ^2/NDF : 126.6/1

-7.104+/-0.136 χ^2/NDF : 2382.1/18

-5.185+/-0.148 χ^2/NDF : 2192.8/21

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: 0.116 ± 0.011 χ^2/NDF : 0.5/1

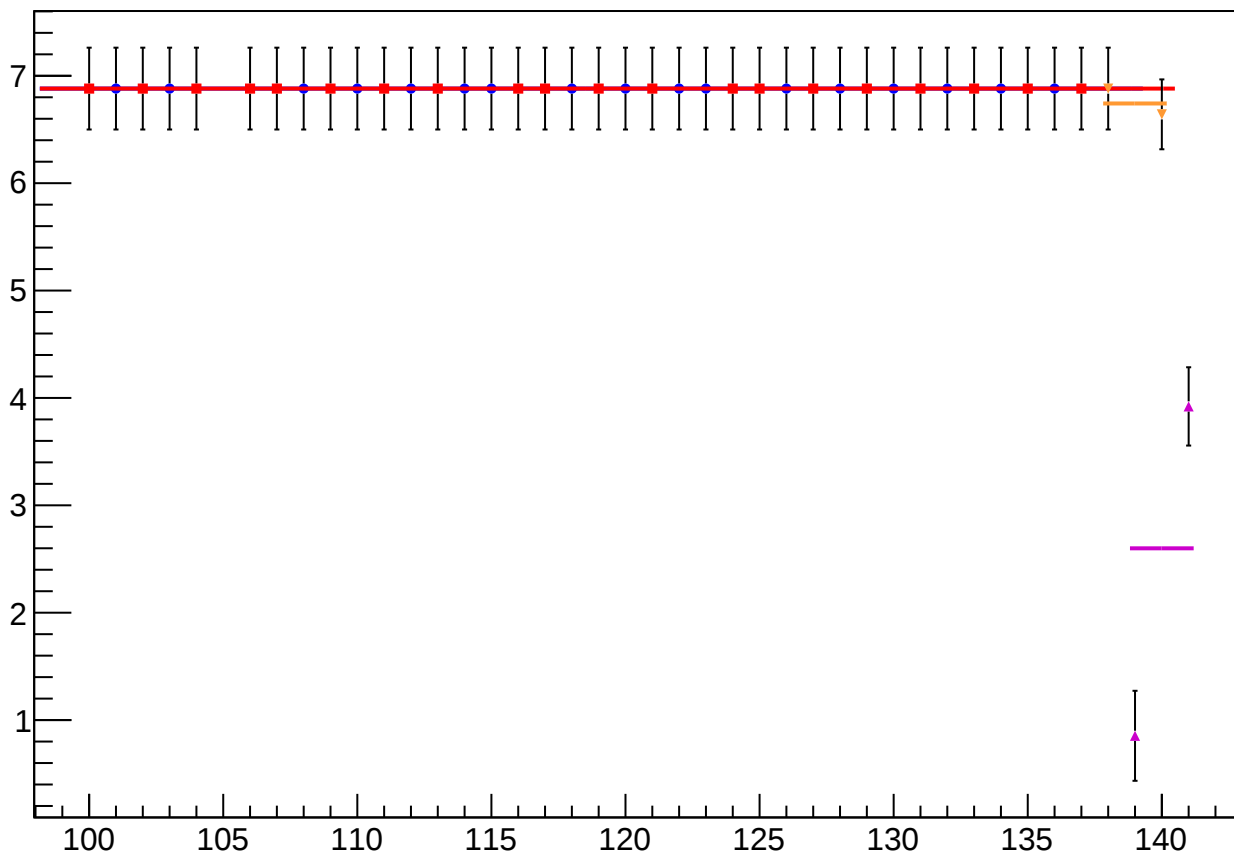
Right Out: -0.103 ± 0.008 χ^2/NDF : 437.6/19

Left In: 0.126 ± 0.010 χ^2/NDF : 38.8/1

0.006 ± 0.007 χ^2/NDF : 381.8/18

-0.012 ± 0.007 χ^2/NDF : 766.7/21

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 6.881 $\pm$ 0.092 χ^2/NDF : 0.0/16

Left Out: 6.742 $\pm$ 0.247 χ^2/NDF : 0.2/1

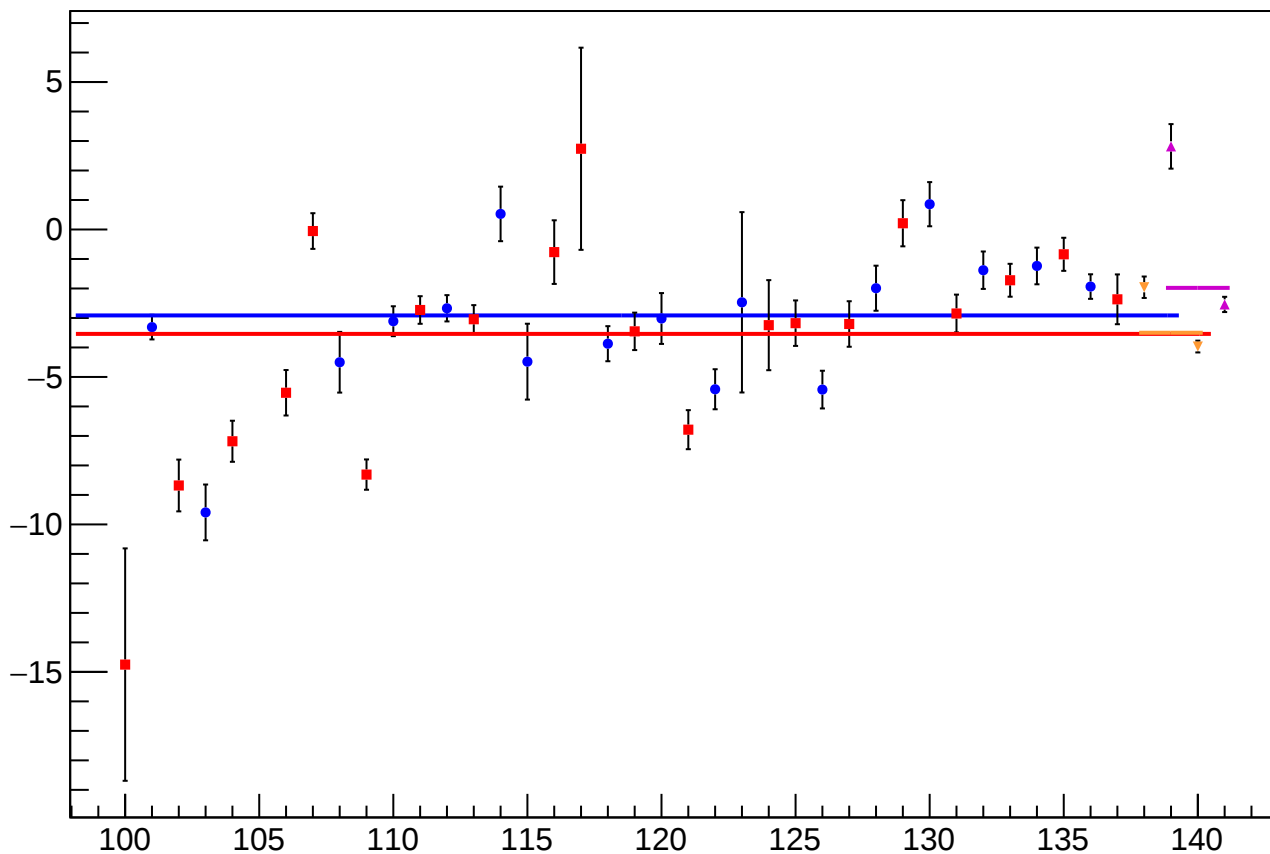
Right Out: 6.881 $\pm$ 0.085 χ^2/NDF : 0.0/19

Left In: 2.599 $\pm$ 0.275 χ^2/NDF : 30.5/1

6.864 $\pm$ 0.087 χ^2/NDF : 0.5/18

6.506 $\pm$ 0.081 χ^2/NDF : 251.6/21

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.155 $\chi^2/\text{NDF}: 146.1/16$

Left Out: -3.501 ± 0.175 $\chi^2/\text{NDF}: 23.5/1$

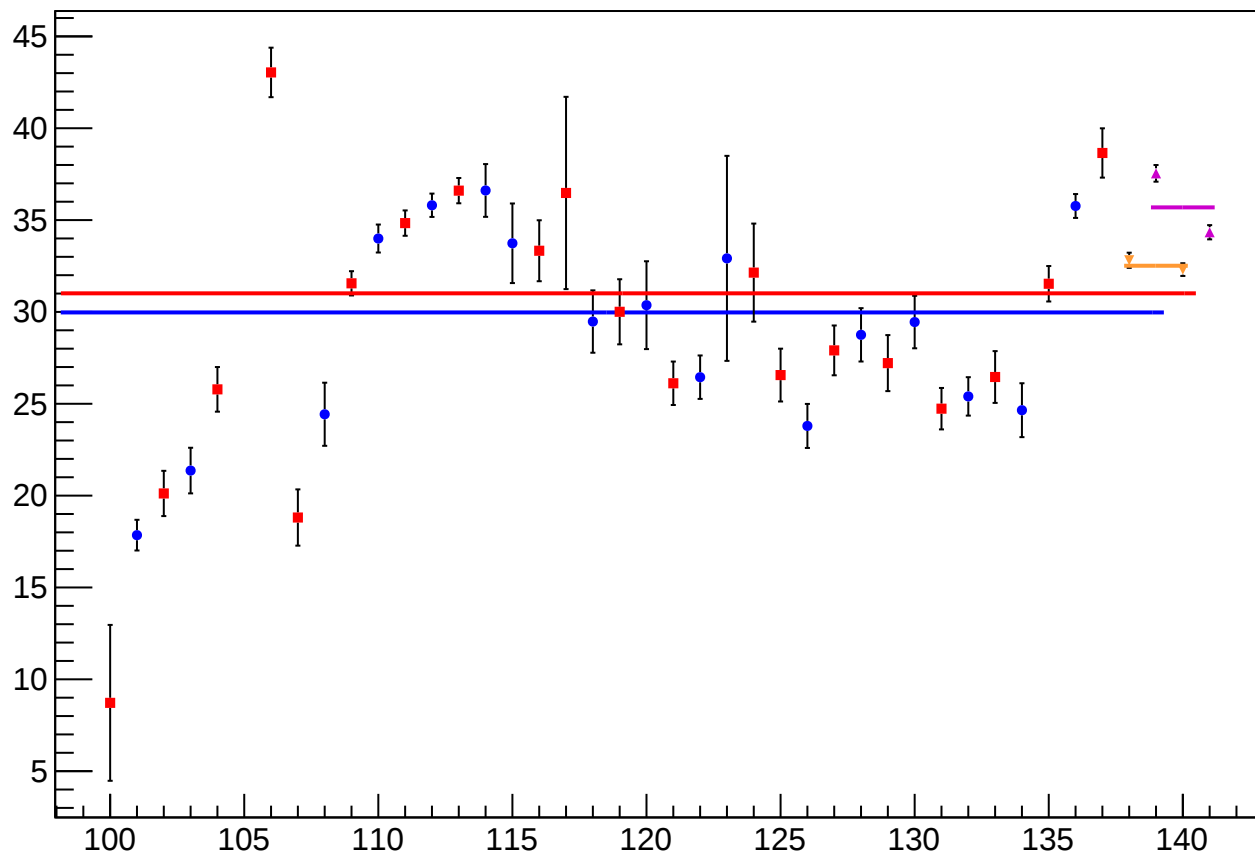
Right Out: -3.540 ± 0.154 $\chi^2/\text{NDF}: 294.2/19$

Left In: -1.979 ± 0.244 $\chi^2/\text{NDF}: 45.1/1$

-3.171 ± 0.116 $\chi^2/\text{NDF}: 175.9/18$

-3.095 ± 0.131 $\chi^2/\text{NDF}: 368.4/21$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 ± 0.267 χ^2/NDF : 554.3/16

Left Out: 32.514 ± 0.265 χ^2/NDF : 0.9/1

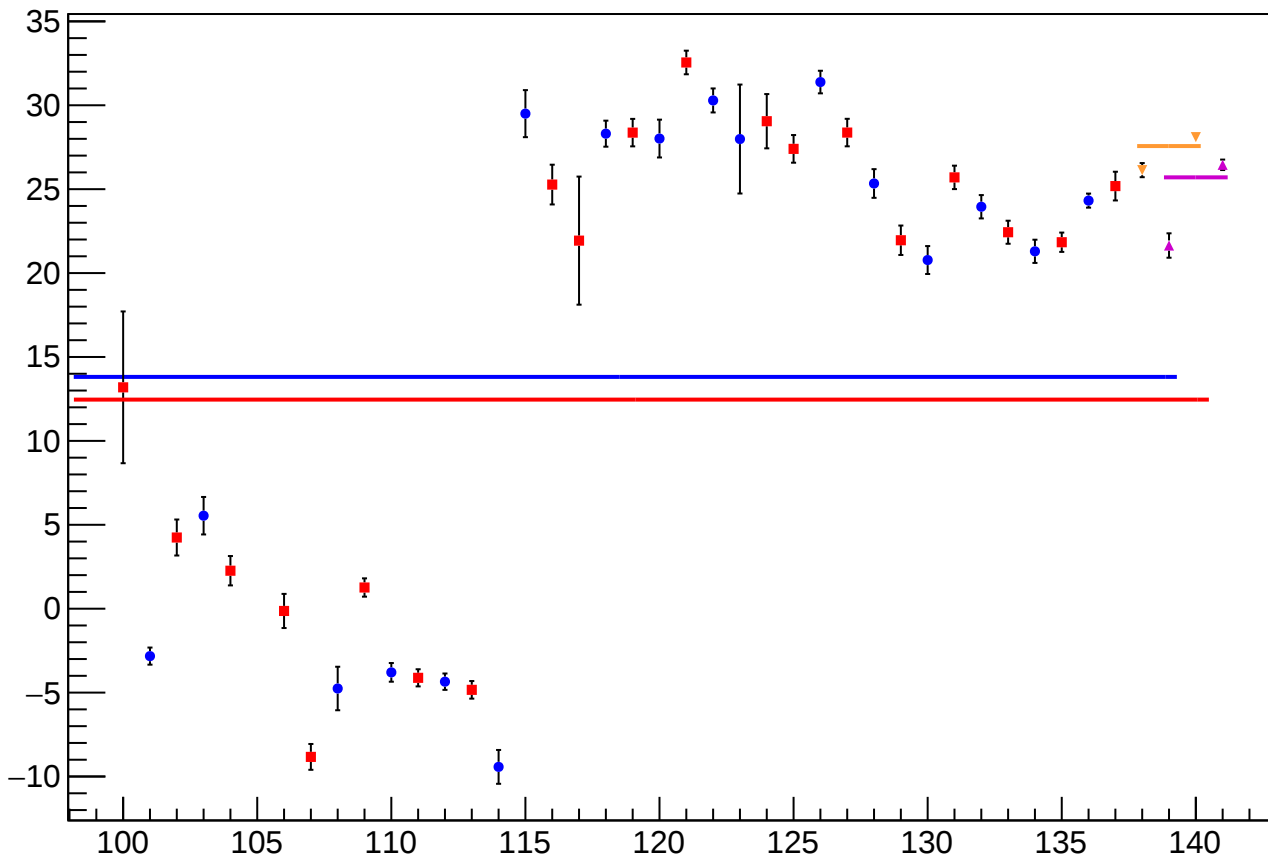
Right Out: 31.013 ± 0.260 χ^2/NDF : 480.6/19

Left In: 35.691 ± 0.295 χ^2/NDF : 28.9/1

31.252 ± 0.188 χ^2/NDF : 600.8/18

33.058 ± 0.195 χ^2/NDF : 651.3/21

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813+/-0.173 χ^2 /NDF: 7318.6/16

Left Out: 27.569+/-0.219 χ^2 /NDF:15.9/1

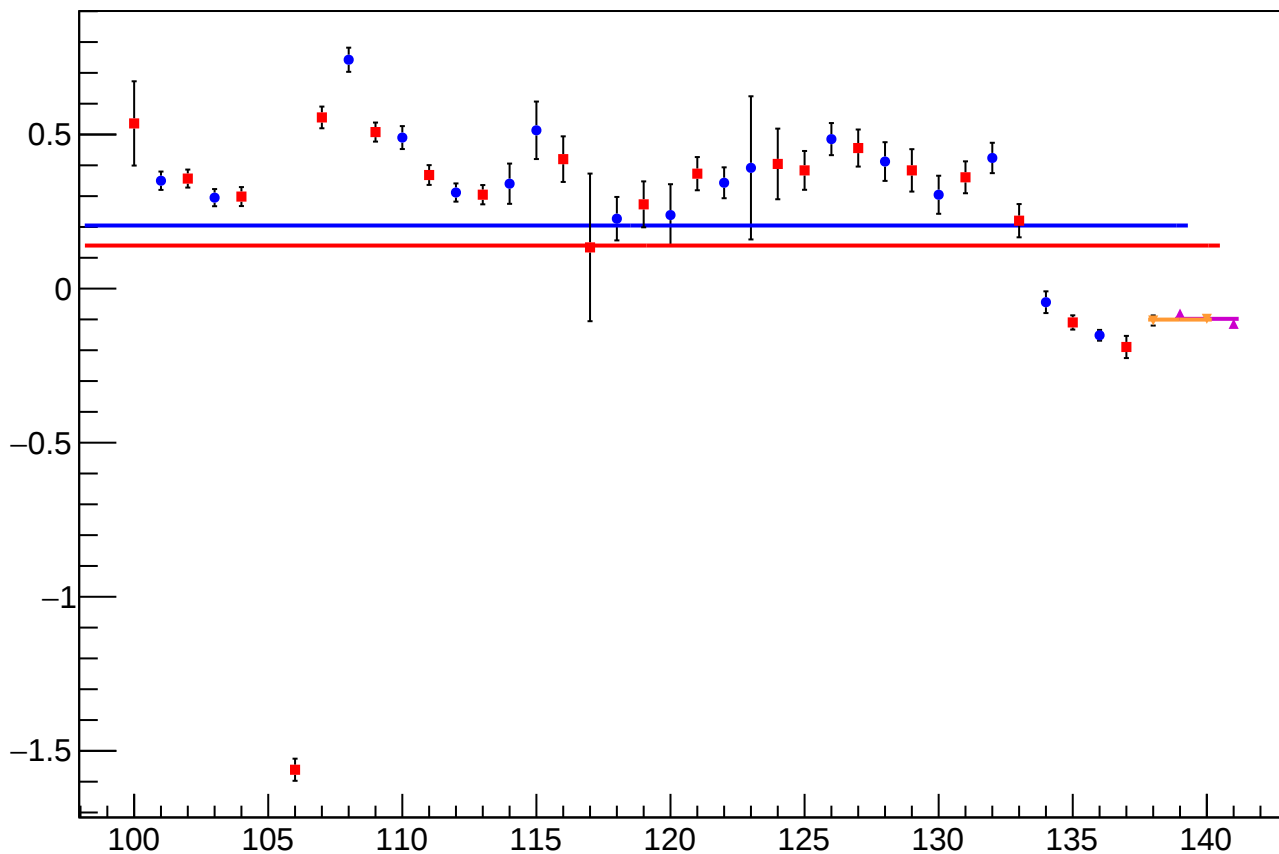
Right Out: 12.460+/-0.174 χ^2 /NDF: 6976.5/19

Left In: 25.704+/-0.287 χ^2 /NDF:36.9/1

19.084+/-0.136 χ^2 /NDF: 9766.5/18

16.013+/-0.148 χ^2 /NDF: 8576.0/21

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: -0.101 ± 0.011 χ^2/NDF : 0.1/1

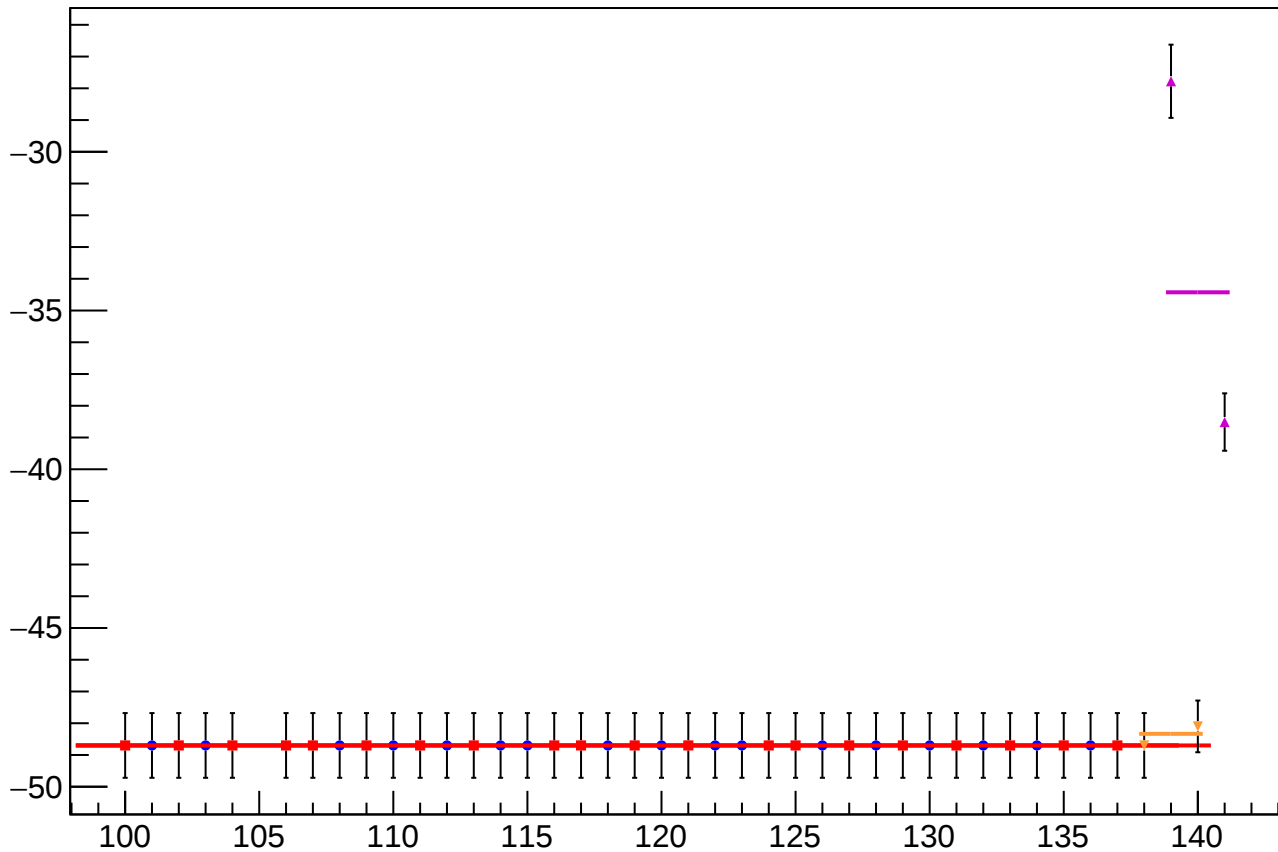
Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/19

Left In: -0.098 ± 0.011 χ^2/NDF : 2.2/1

0.078 ± 0.007 χ^2/NDF : 1287.0/18

0.044 ± 0.007 χ^2/NDF : 3285.3/21

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -48.699 ± 0.247 χ^2/NDF : 0.0/16

Left Out: -48.334 ± 0.636 χ^2/NDF : 0.2/1

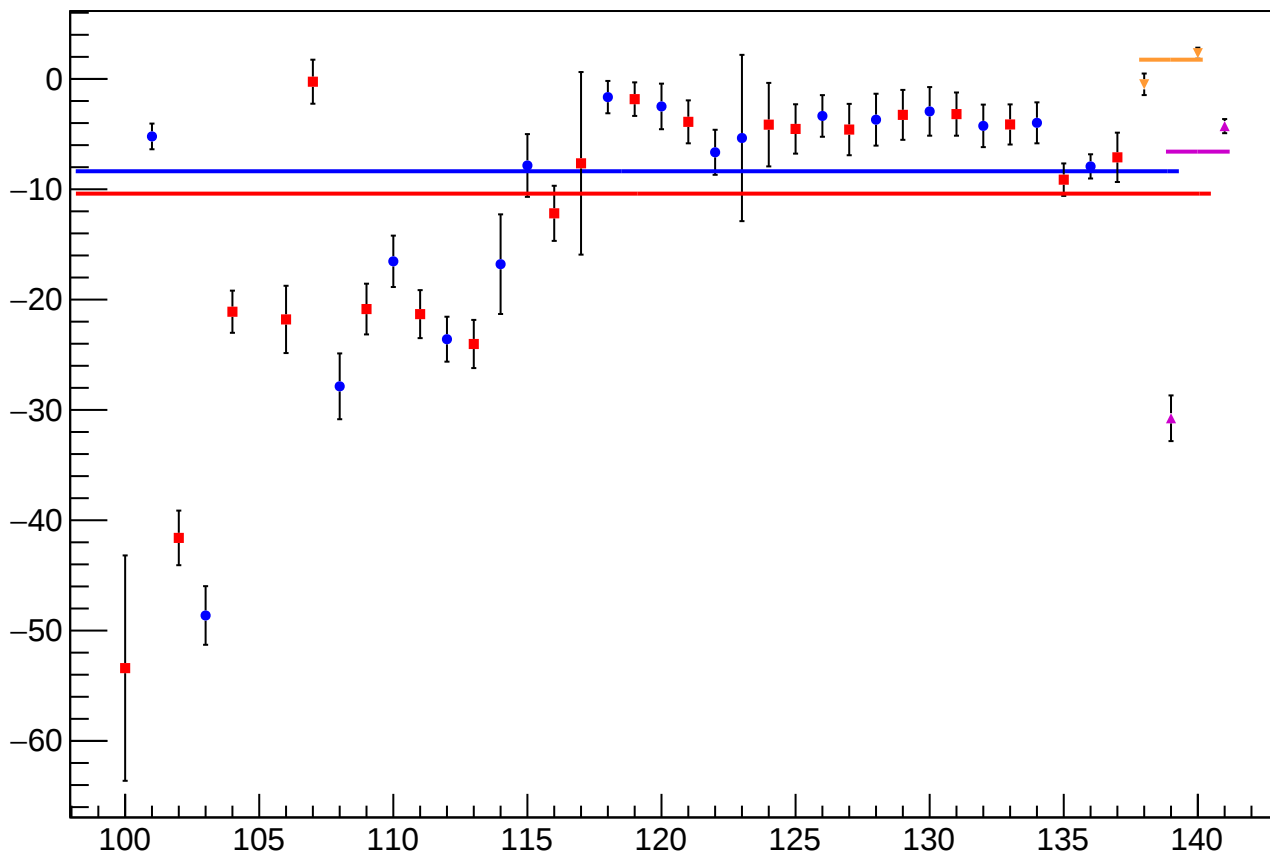
Right Out: -48.699 ± 0.228 χ^2/NDF : 0.0/19

Left In: -34.426 ± 0.711 χ^2/NDF : 53.7/1

-48.651 ± 0.230 χ^2/NDF : 0.5/18

-47.371 ± 0.217 χ^2/NDF : 418.7/21

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: 1.745 ± 0.446 χ^2/NDF : 6.6/1

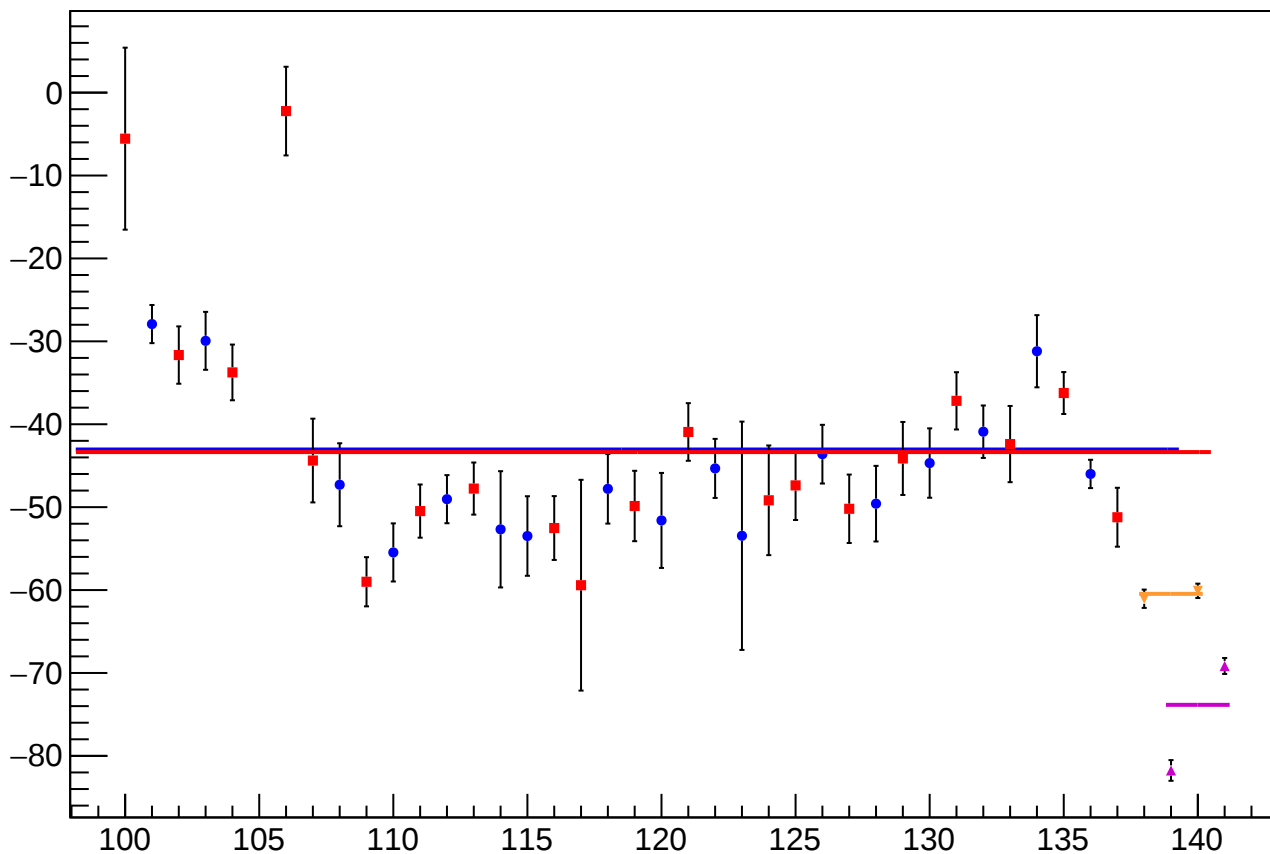
Right Out: -10.396 ± 0.490 χ^2/NDF : 430.4/19

Left In: -6.589 ± 0.612 χ^2/NDF : 149.2/1

-3.089 ± 0.322 χ^2/NDF : 661.1/18

-8.908 ± 0.383 χ^2/NDF : 603.2/21

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: -60.458 ± 0.682 $\chi^2/\text{NDF}: 0.5/1$

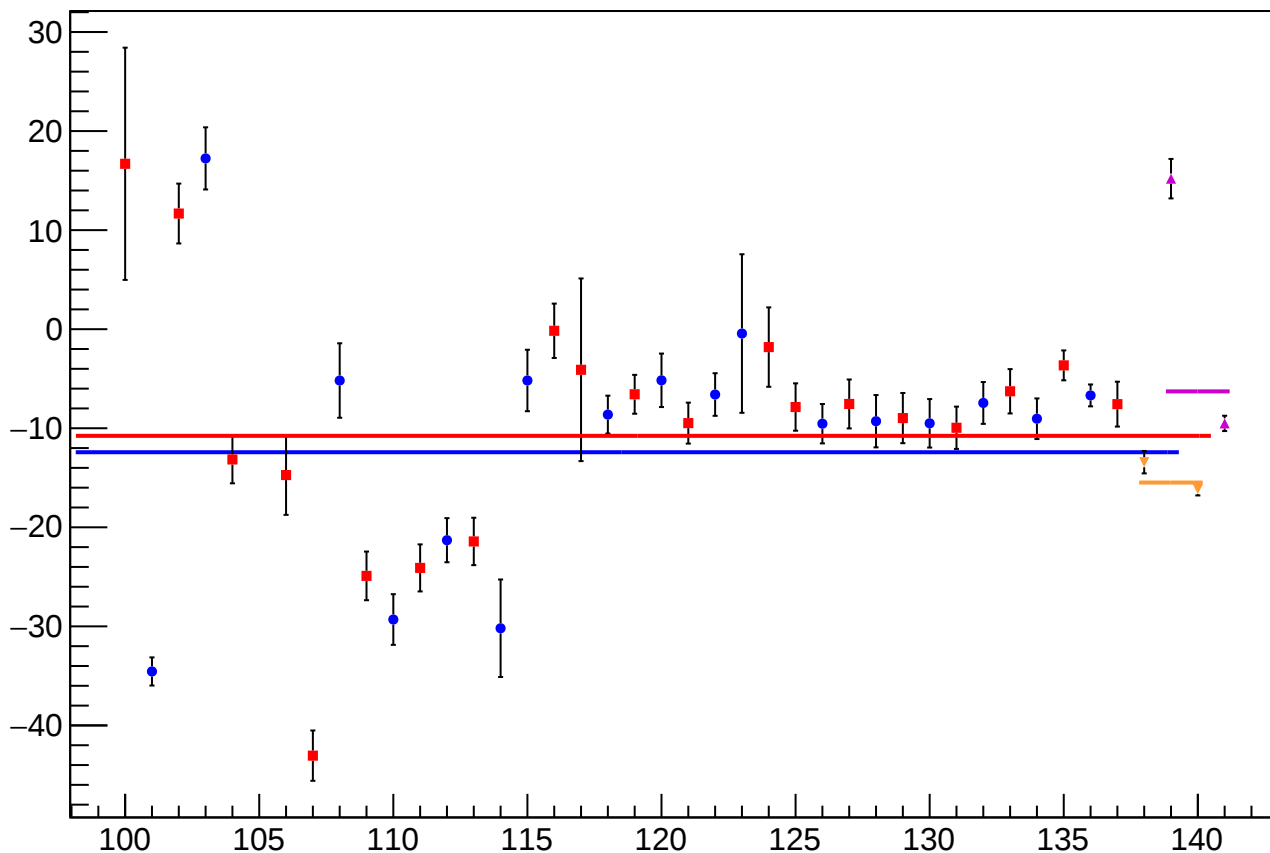
Right Out: -43.357 ± 0.865 $\chi^2/\text{NDF}: 156.0/19$

Left In: -73.845 ± 0.762 $\chi^2/\text{NDF}: 63.9/1$

-53.513 ± 0.529 $\chi^2/\text{NDF}: 359.4/18$

-60.530 ± 0.572 $\chi^2/\text{NDF}: 919.4/21$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 $\pm$ 0.523 χ^2 /NDF: 474.4/16

Left Out: -15.481 $\pm$ 0.558 χ^2 /NDF: 4.4/1

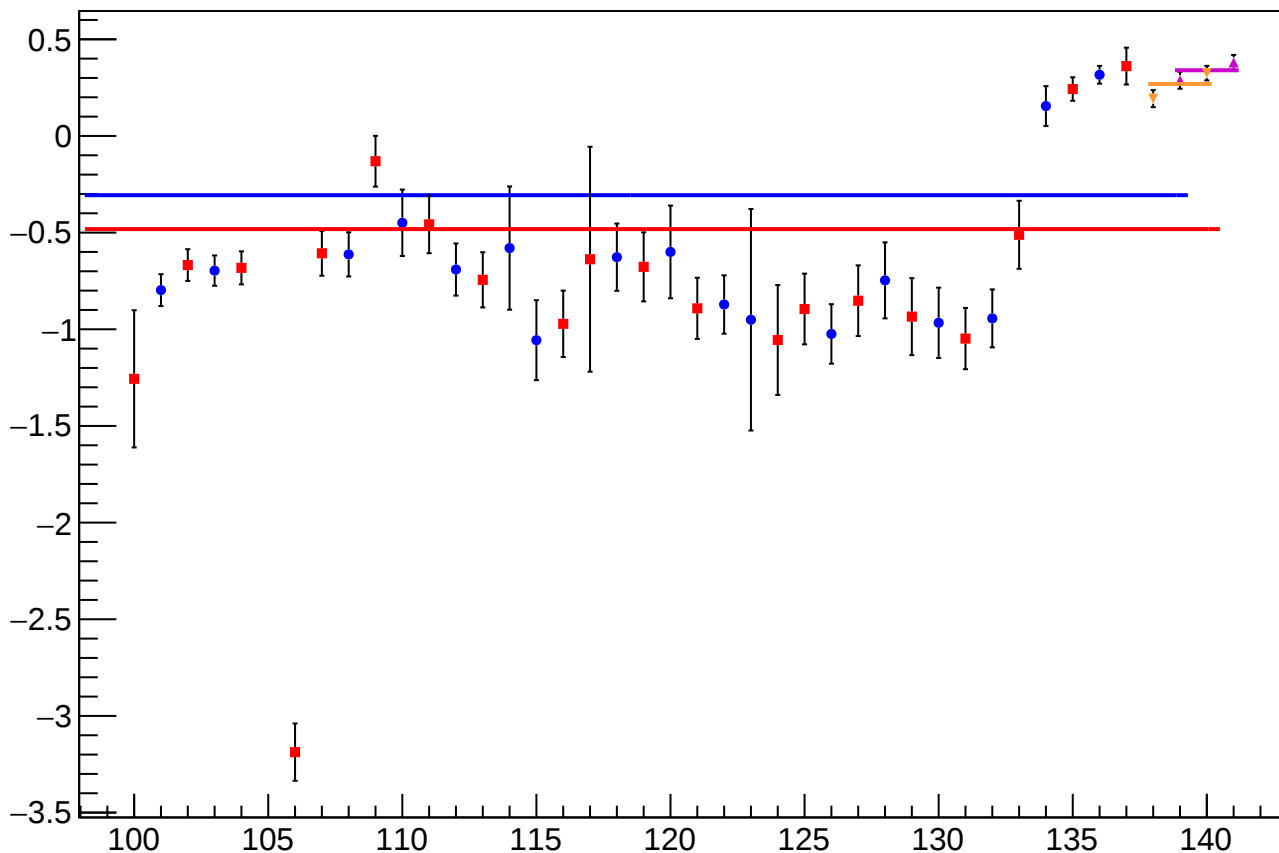
Right Out: -10.766 $\pm$ 0.553 χ^2 /NDF: 366.3/19

Left In: -6.279 $\pm$ 0.721 χ^2 /NDF: 133.5/1

-13.852 $\pm$ 0.382 χ^2 /NDF: 494.7/18

-9.105 $\pm$ 0.439 χ^2 /NDF: 524.3/21

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: 0.269 ± 0.029 χ^2/NDF : 5.2/1

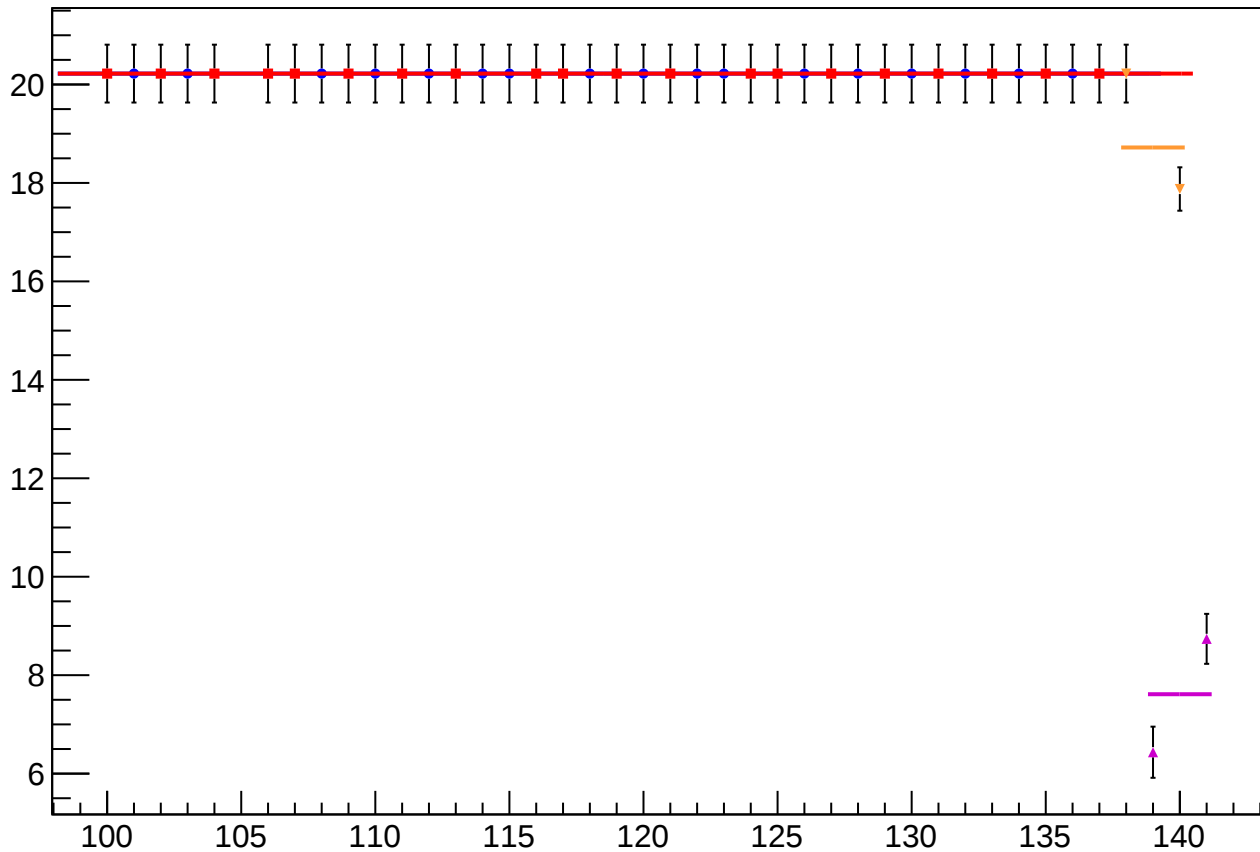
Right Out: -0.482 ± 0.029 χ^2/NDF : 628.3/19

Left In: 0.340 ± 0.029 χ^2/NDF : 2.5/1

-0.030 ± 0.020 χ^2/NDF : 586.2/18

-0.079 ± 0.020 χ^2/NDF : 1036.4/21

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 20.221+/-0.143 χ^2/NDF : 0.0/16

Left Out: 18.720+/-0.353 χ^2/NDF : 10.2/1

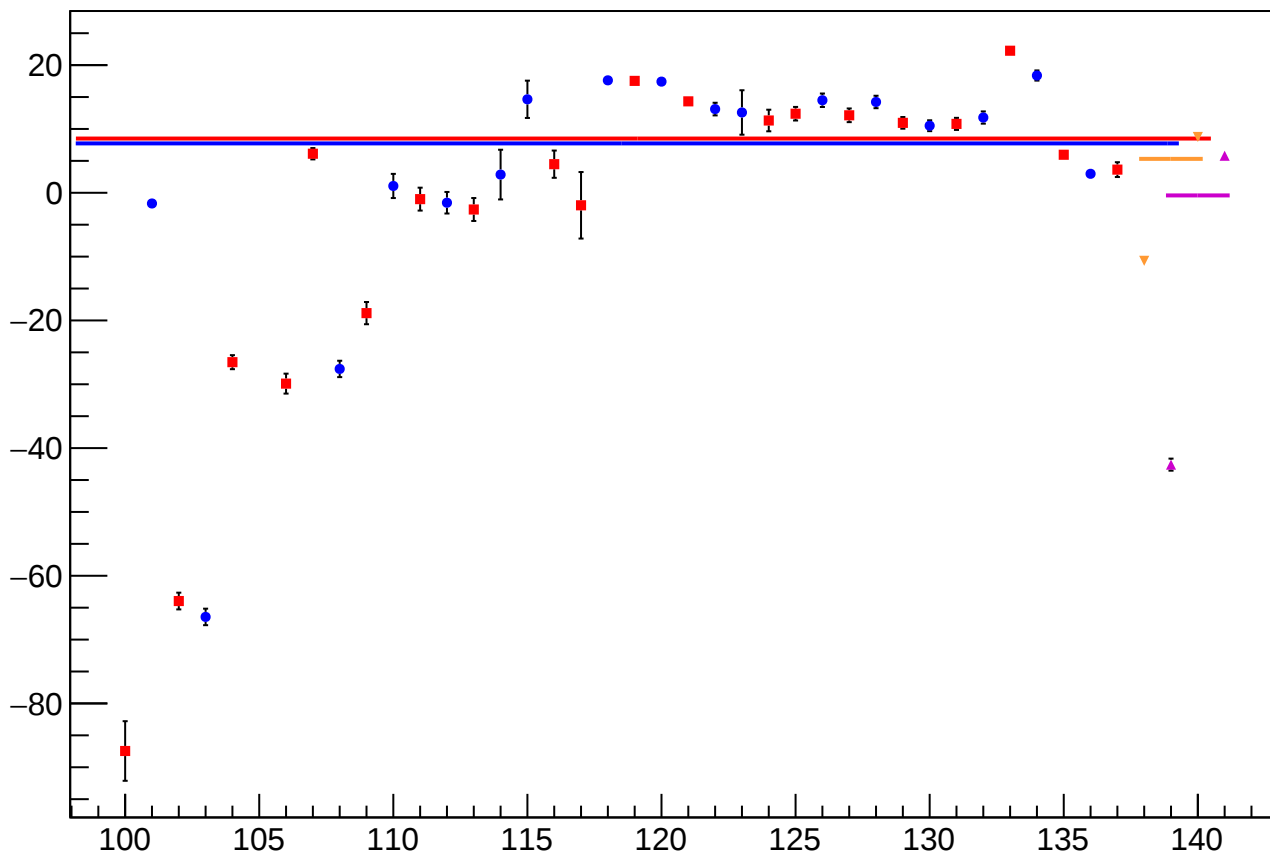
Right Out: 20.221+/-0.131 χ^2/NDF : 0.0/19

Left In: 7.613+/-0.363 χ^2/NDF : 10.1/1

20.010+/-0.132 χ^2/NDF : 25.8/18

18.760+/-0.124 χ^2/NDF : 1076.4/21

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 $\pm$ 0.218 χ^2 /NDF: 5300.6/16

Left Out: 5.314 $\pm$ 0.251 χ^2 /NDF: 869.6/1

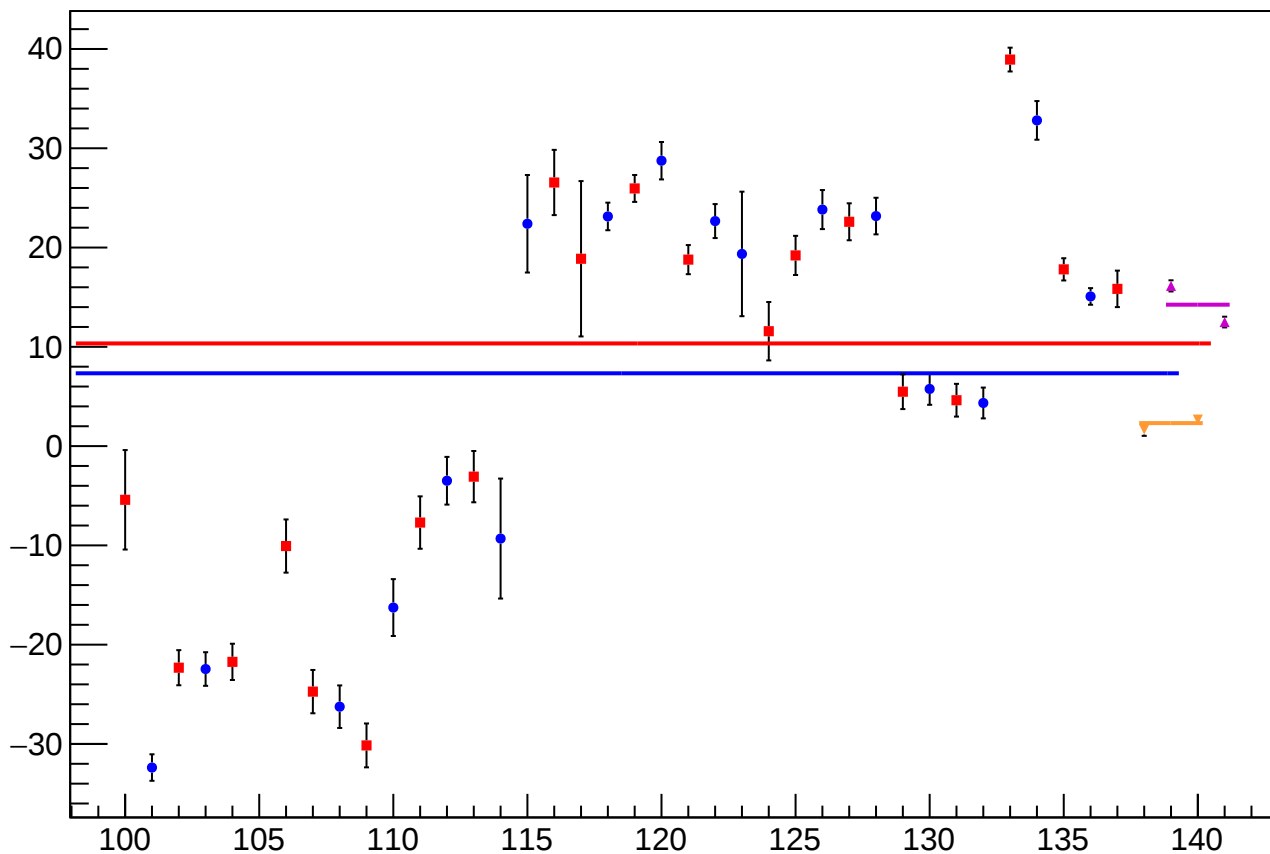
Right Out: 8.496 $\pm$ 0.213 χ^2 /NDF: 6723.5/19

Left In: -0.413 $\pm$ 0.339 χ^2 /NDF: 2286.8/1

6.695 $\pm$ 0.165 χ^2 /NDF: 6223.3/18

5.970 $\pm$ 0.180 χ^2 /NDF: 9506.2/21

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: 2.316 $\pm$ 0.378 χ^2 /NDF:1.6/1

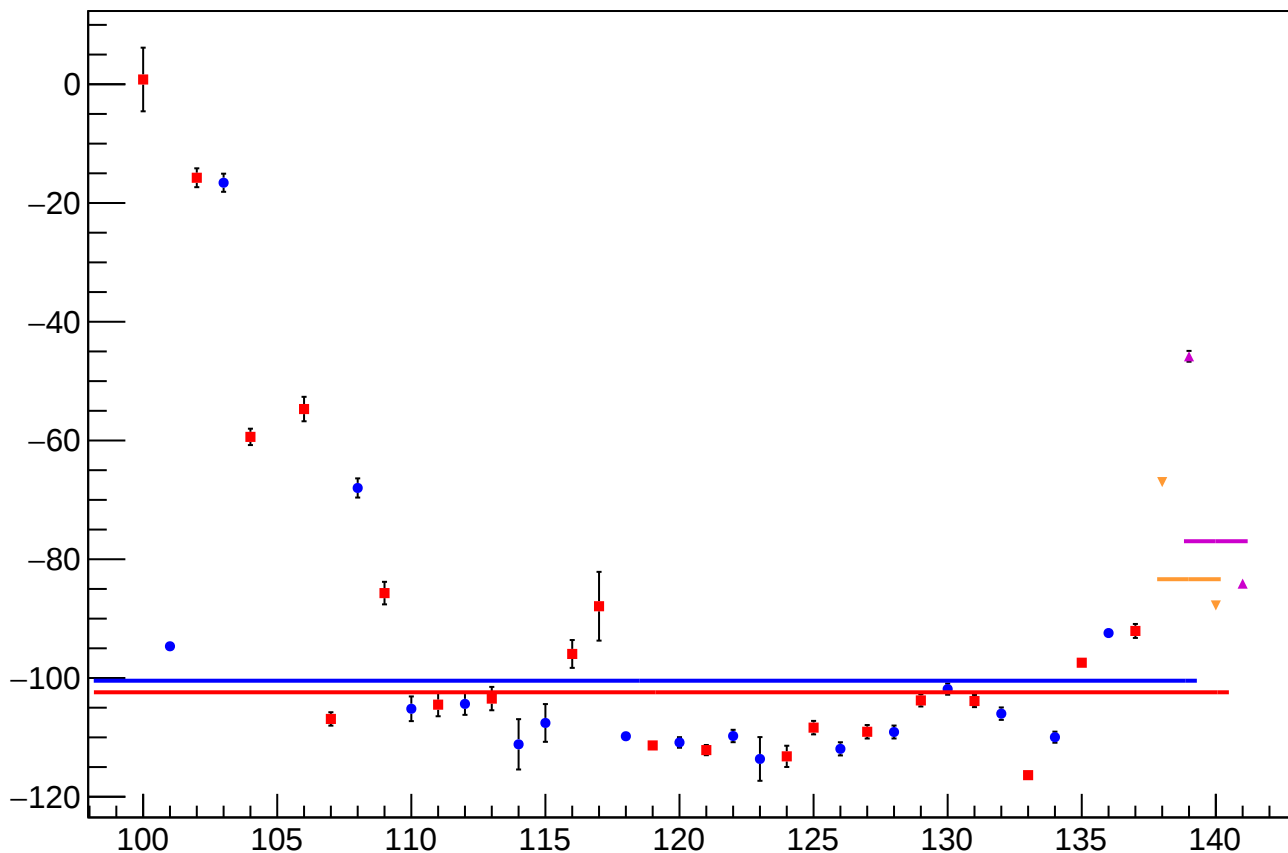
Right Out: 10.342 $\pm$ 0.416 χ^2 /NDF: 2282.7/19

Left In: 14.245 $\pm$ 0.389 χ^2 /NDF:21.9/1

4.570 $\pm$ 0.281 χ^2 /NDF: 2373.8/18

12.425 $\pm$ 0.284 χ^2 /NDF: 2351.6/21

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457+/-0.251 χ^2/NDF : 4461.1/16

Left Out: -83.361+/-0.314 χ^2/NDF : 733.5/1

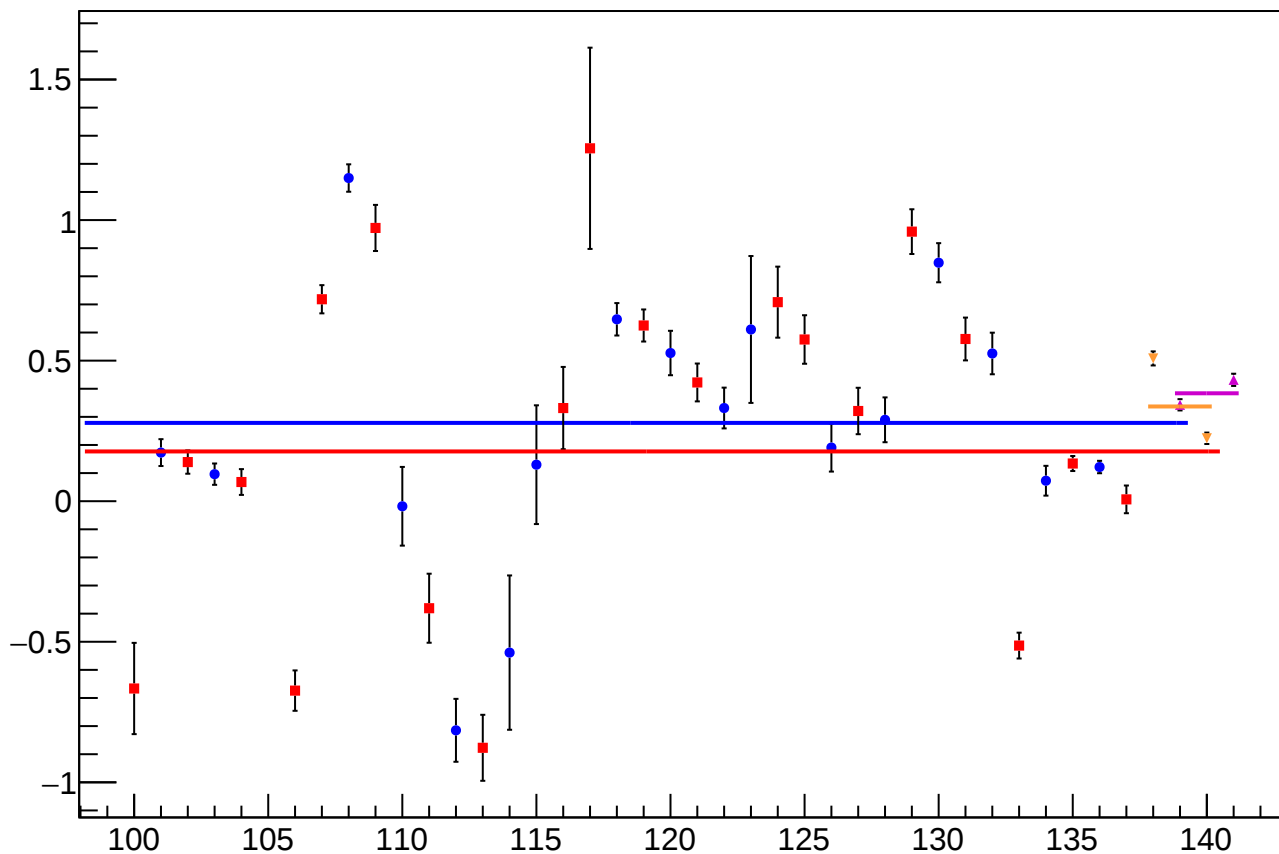
Right Out: -102.405+/-0.246 χ^2/NDF : 6100.6/19

Left In: -76.963+/-0.393 χ^2/NDF : 1438.7/1

-93.797+/-0.196 χ^2/NDF : 7005.4/18

-95.247+/-0.209 χ^2/NDF : 10547.6/21

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: 0.337 $\pm$ 0.016 χ^2 /NDF: 77.6/1

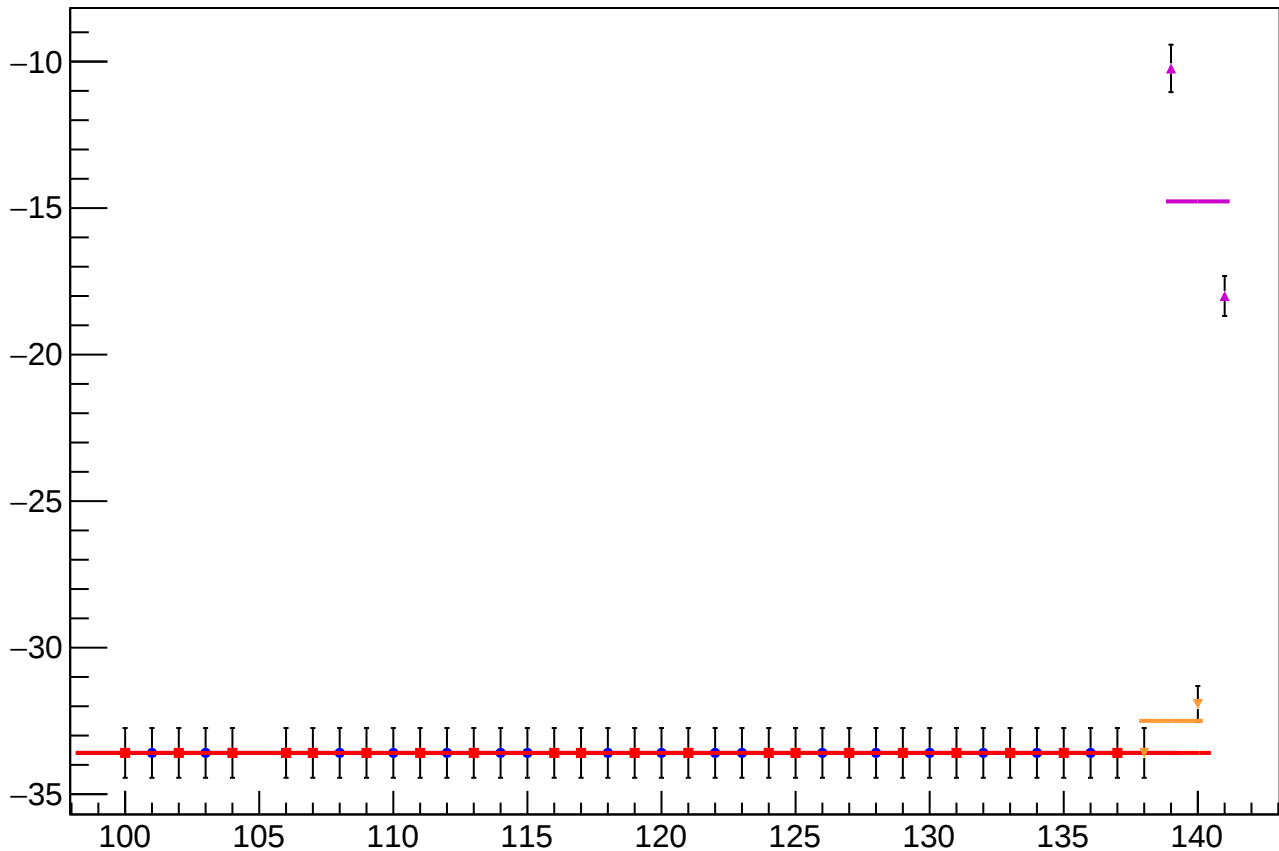
Right Out: 0.177 $\pm$ 0.013 χ^2 /NDF: 976.8/19

Left In: 0.384 $\pm$ 0.015 χ^2 /NDF: 9.0/1

0.303 $\pm$ 0.010 χ^2 /NDF: 739.4/18

0.271 $\pm$ 0.010 χ^2 /NDF: 1092.9/21

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -33.592 ± 0.206 χ^2/NDF : 0.0/16

Left Out: -32.498 ± 0.498 χ^2/NDF : 2.5/1

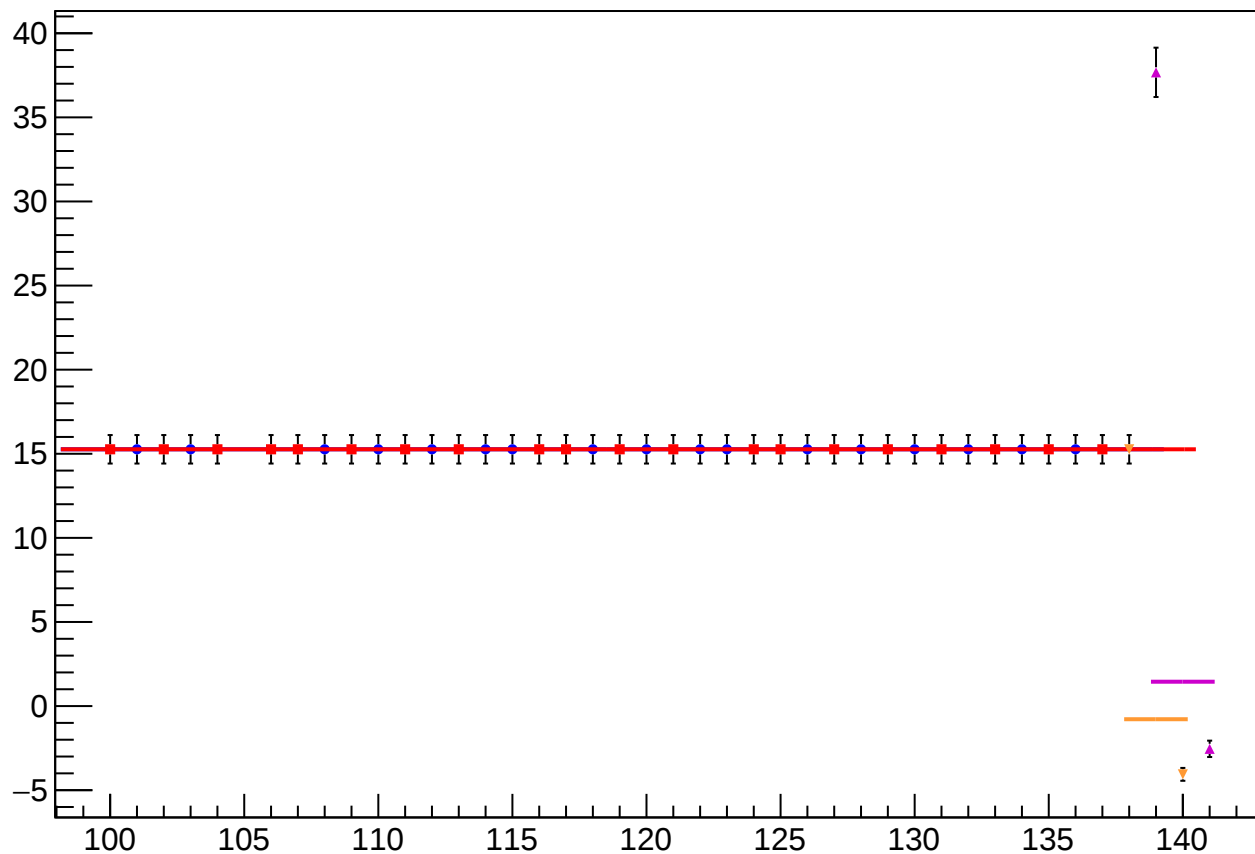
Right Out: -33.592 ± 0.190 χ^2/NDF : 0.0/19

Left In: -14.771 ± 0.522 χ^2/NDF : 53.7/1

-33.432 ± 0.190 χ^2/NDF : 6.6/18

-31.392 ± 0.179 χ^2/NDF : 1201.2/21

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 15.266+/-0.205 χ^2/NDF : 0.0/16

Left Out: -0.782+/-0.349 χ^2/NDF : 432.1/1

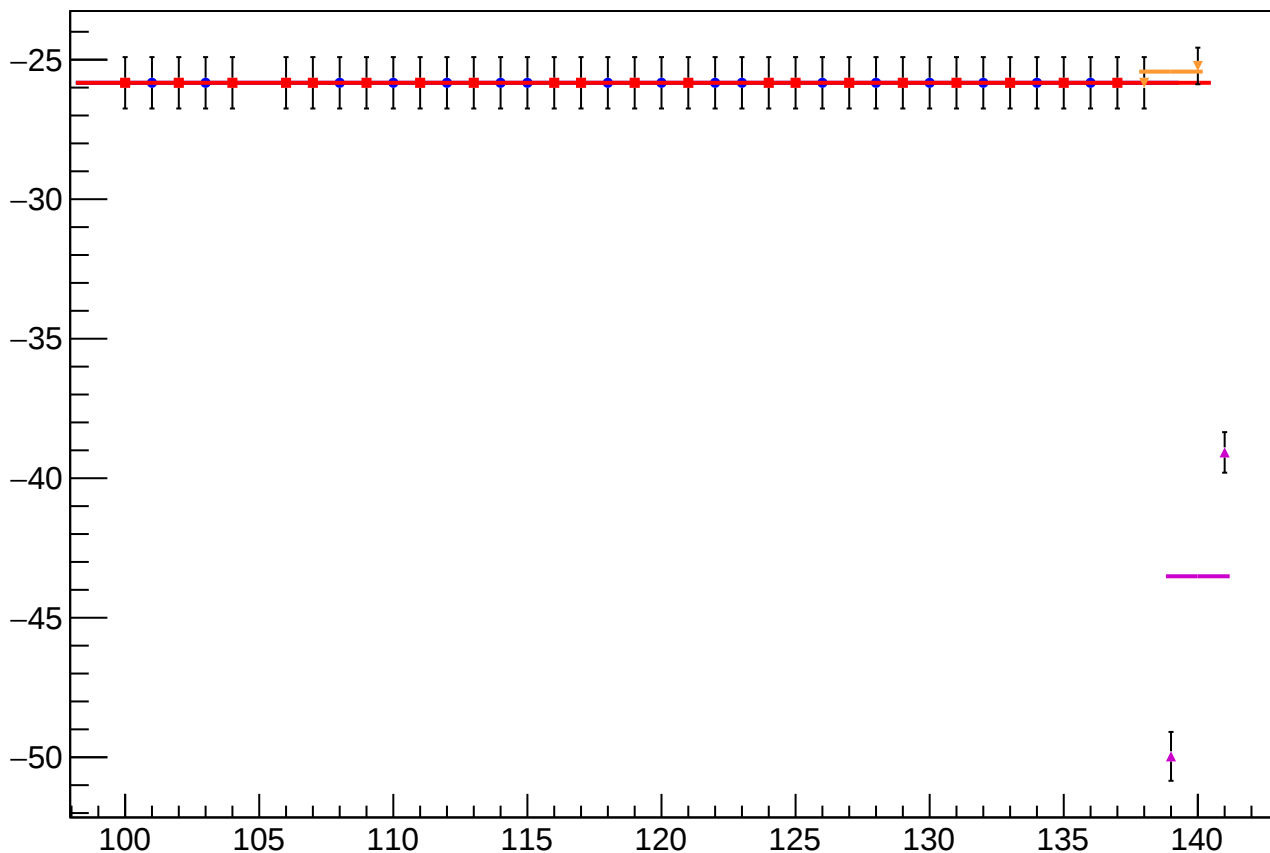
Right Out: 15.266+/-0.189 χ^2/NDF : 0.0/19

Left In: 1.448+/-0.462 χ^2/NDF : 677.4/1

11.133+/-0.177 χ^2/NDF : 2003.0/18

13.277+/-0.175 χ^2/NDF : 1443.2/21

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -25.828 ± 0.223 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -25.428 ± 0.534 $\chi^2/\text{NDF}: 0.3/1$

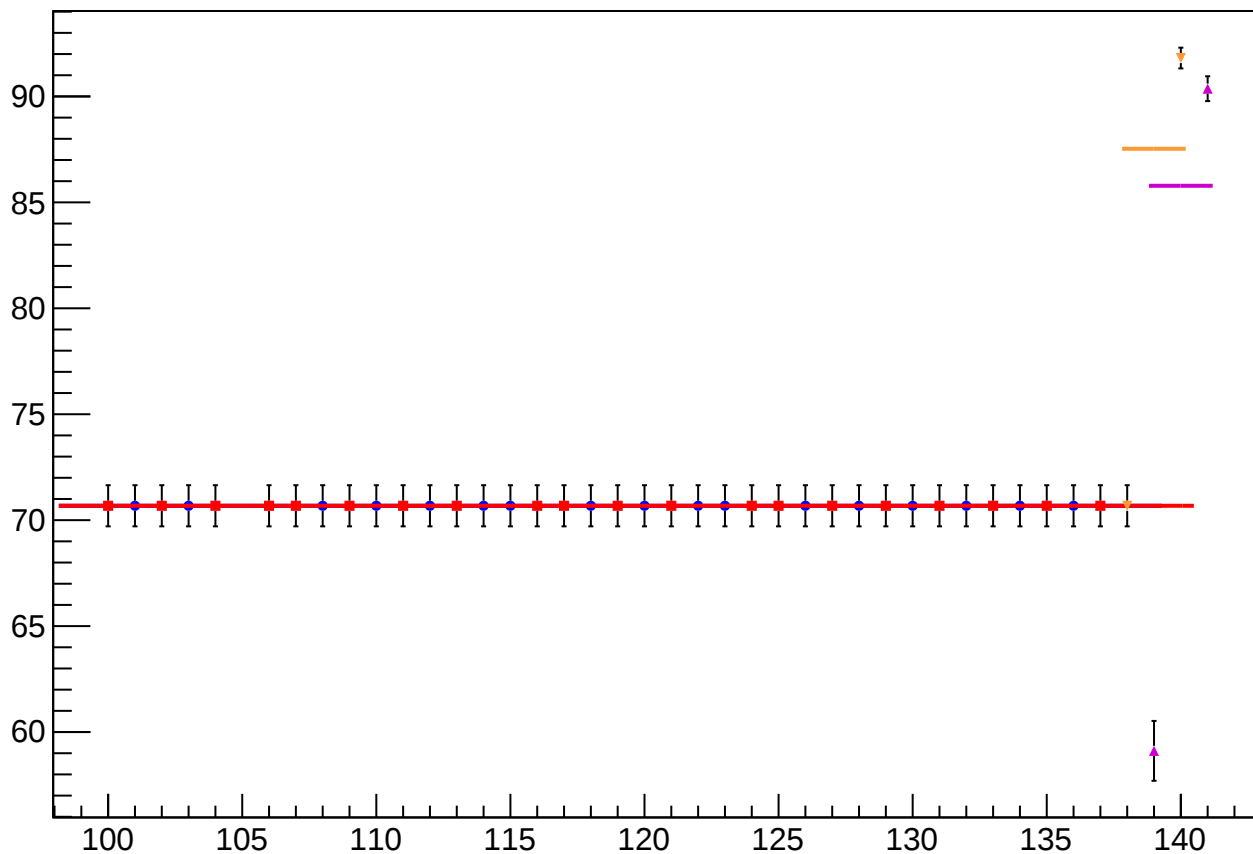
Right Out: -25.828 ± 0.206 $\chi^2/\text{NDF}: 0.0/19$

Left In: -43.514 ± 0.559 $\chi^2/\text{NDF}: 91.7/1$

-25.769 ± 0.206 $\chi^2/\text{NDF}: 0.8/18$

-27.940 ± 0.193 $\chi^2/\text{NDF}: 972.7/21$

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 70.679+/-0.235 χ^2/NDF : 0.0/16

Left Out: 87.529+/-0.437 χ^2/NDF : 377.8/1

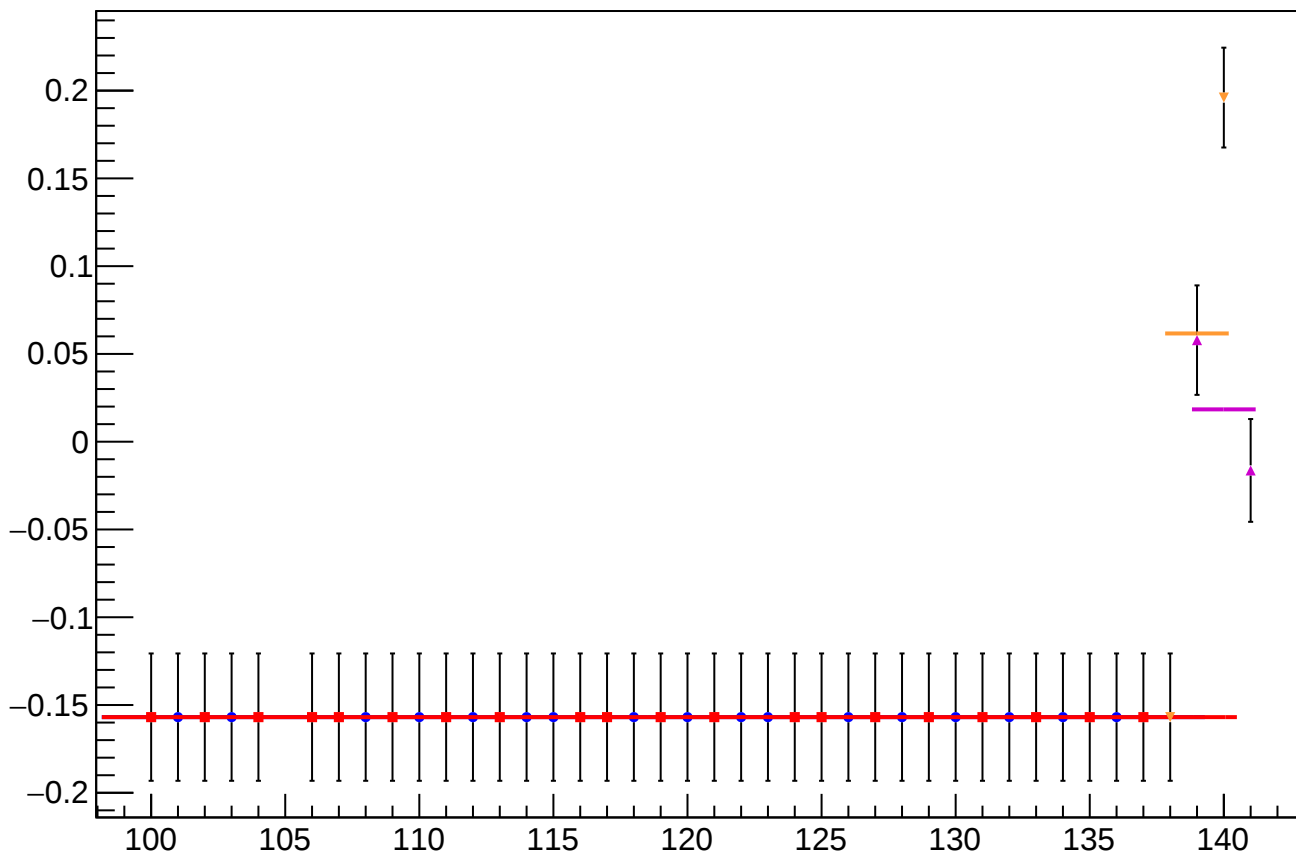
Right Out: 70.679+/-0.217 χ^2/NDF : 0.0/19

Left In: 85.783+/-0.541 χ^2/NDF : 417.7/1

74.470+/-0.207 χ^2/NDF : 1529.8/18

72.774+/-0.201 χ^2/NDF : 1089.1/21

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.157 ± 0.009 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 0.062 ± 0.022 $\chi^2/\text{NDF}: 58.6/1$

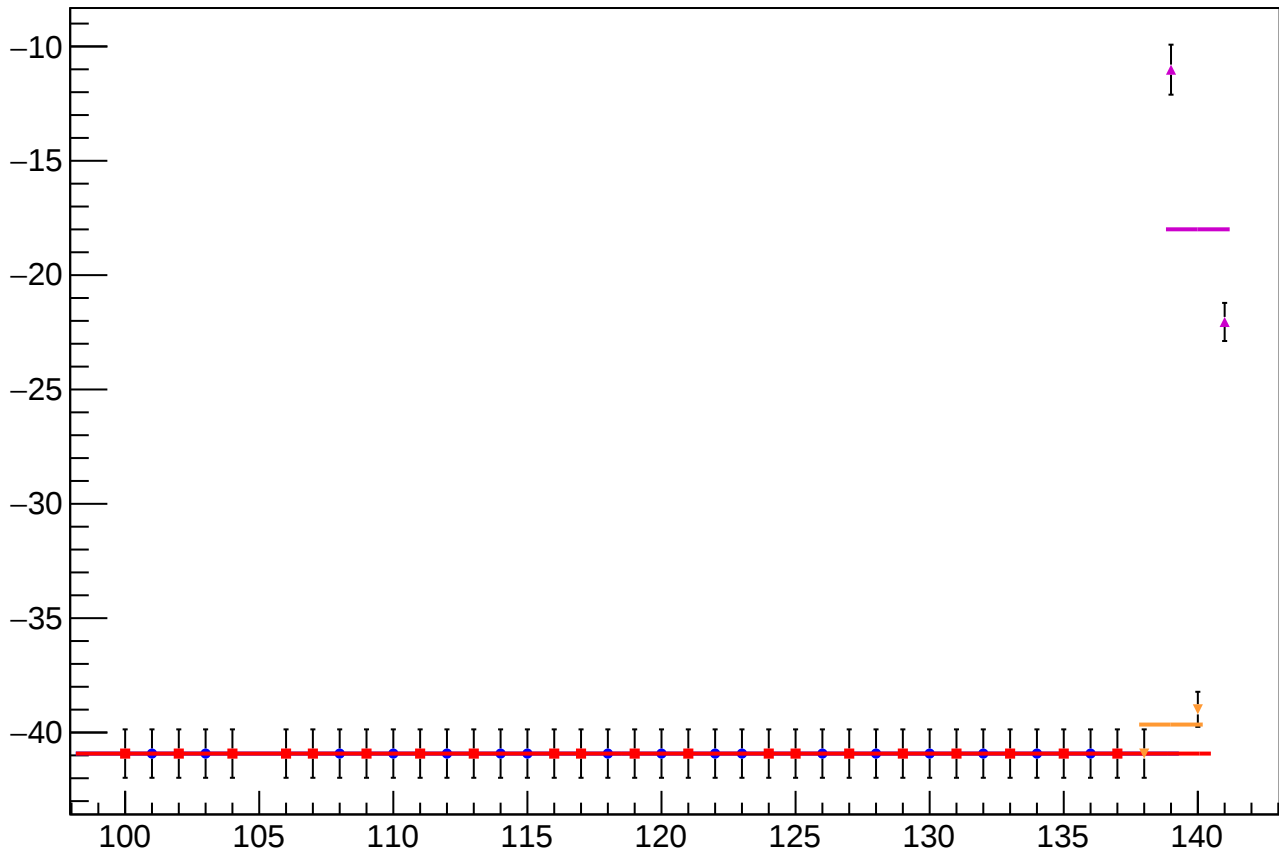
Right Out: -0.157 ± 0.008 $\chi^2/\text{NDF}: 0.0/19$

Left In: 0.018 ± 0.021 $\chi^2/\text{NDF}: 3.0/1$

-0.128 ± 0.008 $\chi^2/\text{NDF}: 141.3/18$

-0.135 ± 0.008 $\chi^2/\text{NDF}: 62.0/21$

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -40.922 ± 0.257 χ^2/NDF : 0.0/16

Left Out: -39.653 ± 0.621 χ^2/NDF : 2.2/1

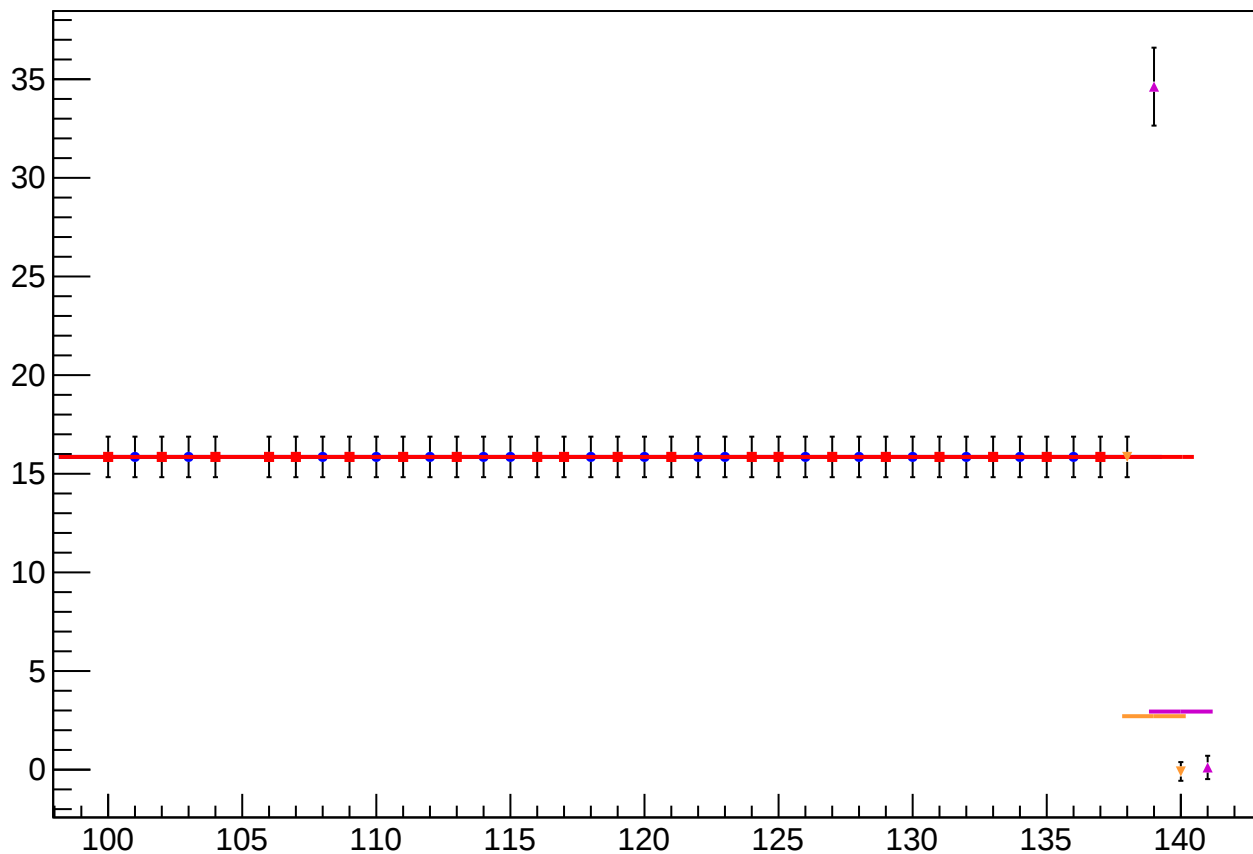
Right Out: -40.922 ± 0.237 χ^2/NDF : 0.0/19

Left In: -17.997 ± 0.663 χ^2/NDF : 64.4/1

-40.737 ± 0.237 χ^2/NDF : 5.8/18

-38.327 ± 0.223 χ^2/NDF : 1125.7/21

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 15.853 $\pm$ 0.249 χ^2 /NDF: 0.0/16

Left Out: 2.711 $\pm$ 0.430 χ^2 /NDF:198.7/1

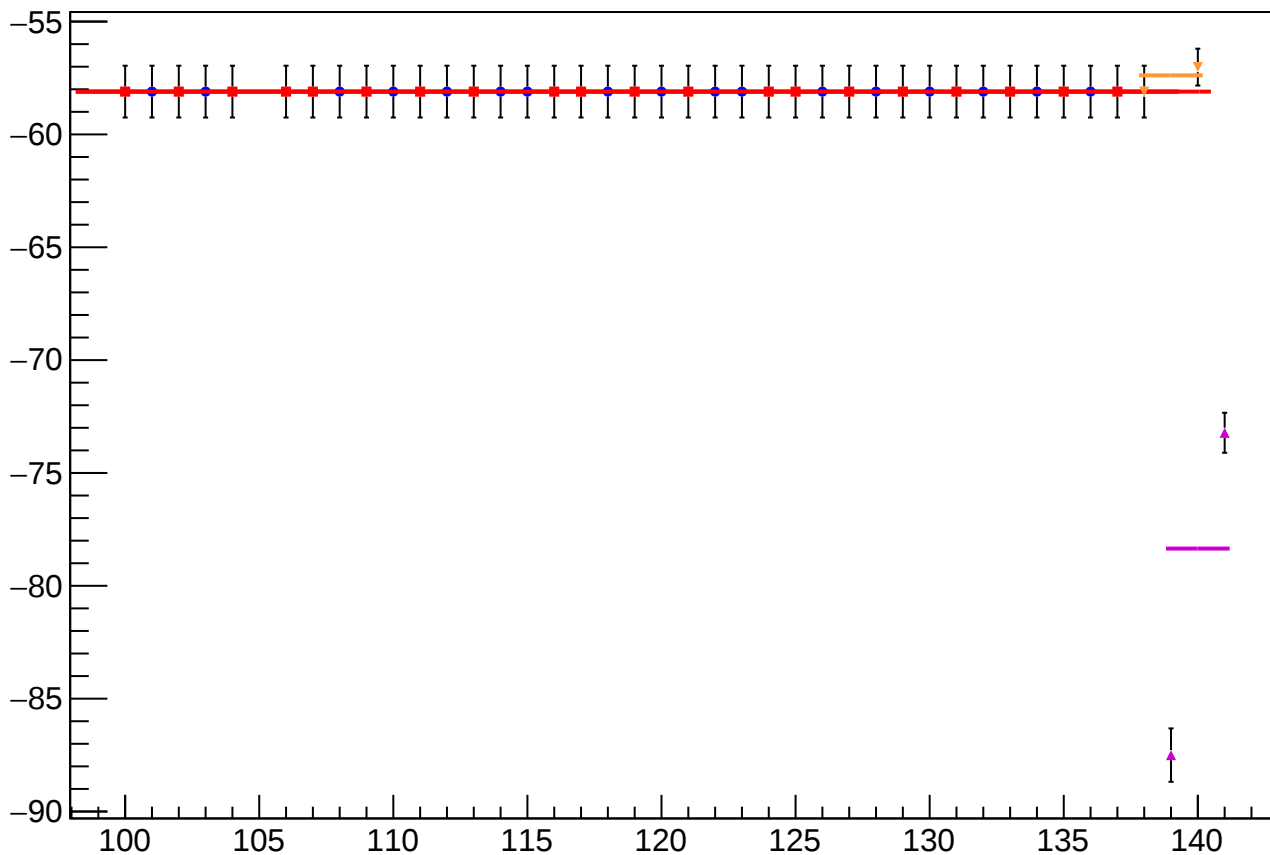
Right Out: 15.853 $\pm$ 0.230 χ^2 /NDF: 0.0/19

Left In: 2.945 $\pm$ 0.566 χ^2 /NDF:280.1/1

12.556 $\pm$ 0.216 χ^2 /NDF: 897.1/18

14.029 $\pm$ 0.213 χ^2 /NDF: 726.7/21

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -58.103 ± 0.278 χ^2/NDF : 0.0/16

Left Out: -57.383 ± 0.665 χ^2/NDF : 0.6/1

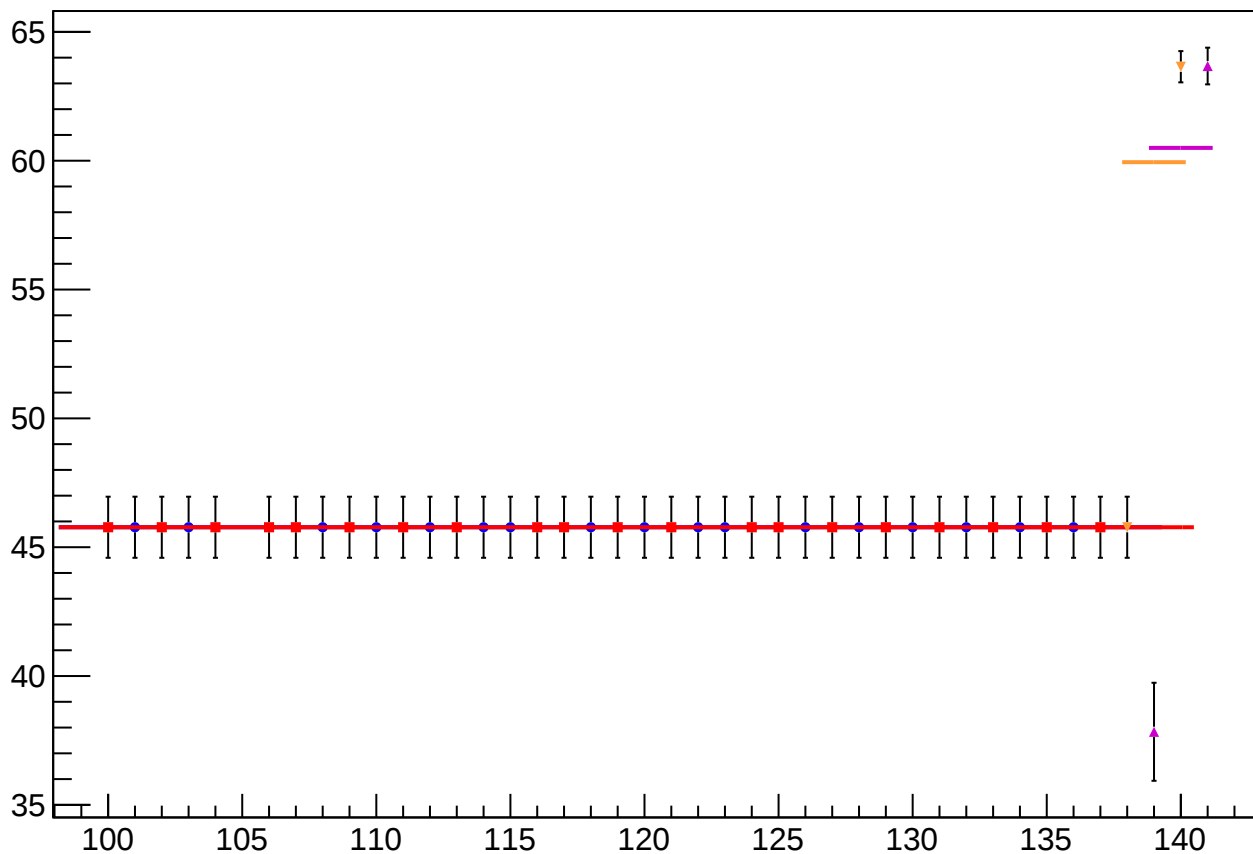
Right Out: -58.103 ± 0.257 χ^2/NDF : 0.0/19

Left In: -78.349 ± 0.709 χ^2/NDF : 93.3/1

-57.996 ± 0.257 χ^2/NDF : 1.6/18

-60.447 ± 0.241 χ^2/NDF : 814.0/21

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 45.775 $\pm$ 0.288 χ^2 /NDF: 0.0/16

Left Out: 59.943 $\pm$ 0.540 χ^2 /NDF:180.1/1

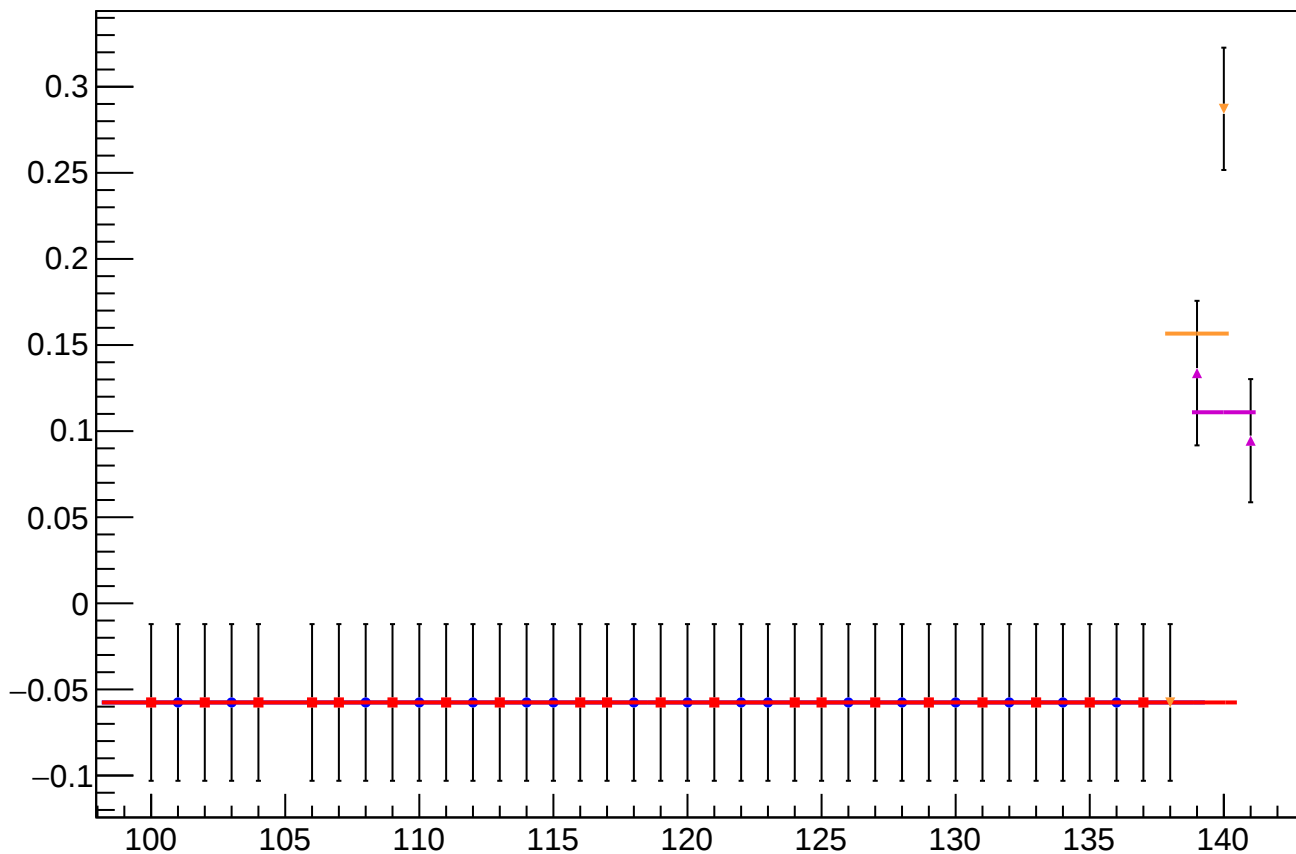
Right Out: 45.775 $\pm$ 0.265 χ^2 /NDF: 0.0/19

Left In: 60.498 $\pm$ 0.667 χ^2 /NDF:161.8/1

48.907 $\pm$ 0.254 χ^2 /NDF: 716.8/18

47.783 $\pm$ 0.246 χ^2 /NDF: 582.5/21

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.058 ± 0.011 χ^2/NDF : 0.0/16

Left Out: 0.157 ± 0.028 χ^2/NDF : 35.7/1

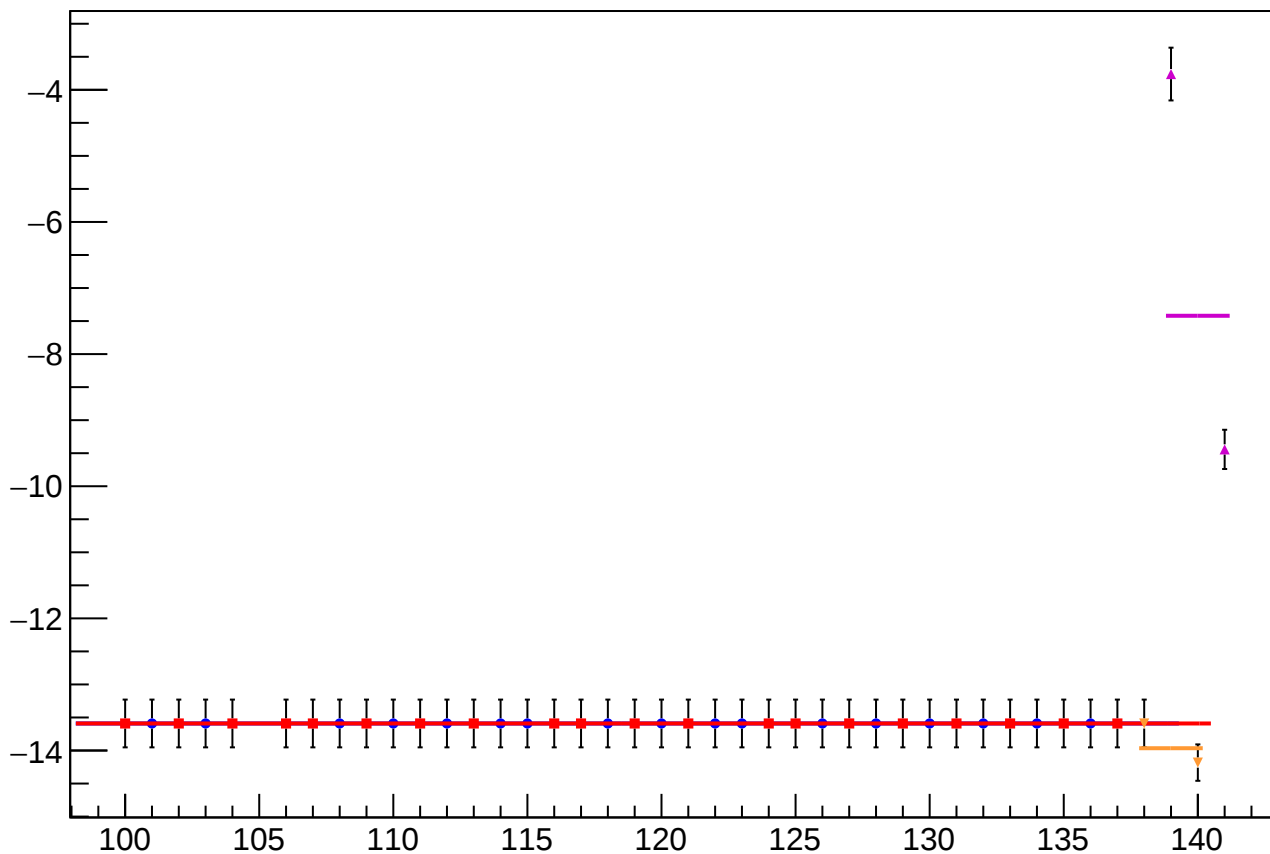
Right Out: -0.058 ± 0.010 χ^2/NDF : 0.0/19

Left In: 0.111 ± 0.027 χ^2/NDF : 0.5/1

-0.029 ± 0.010 χ^2/NDF : 86.3/18

-0.037 ± 0.010 χ^2/NDF : 34.1/21

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -13.591 ± 0.088 χ^2/NDF : 0.0/16

Left Out: -13.965 ± 0.219 χ^2/NDF : 1.7/1

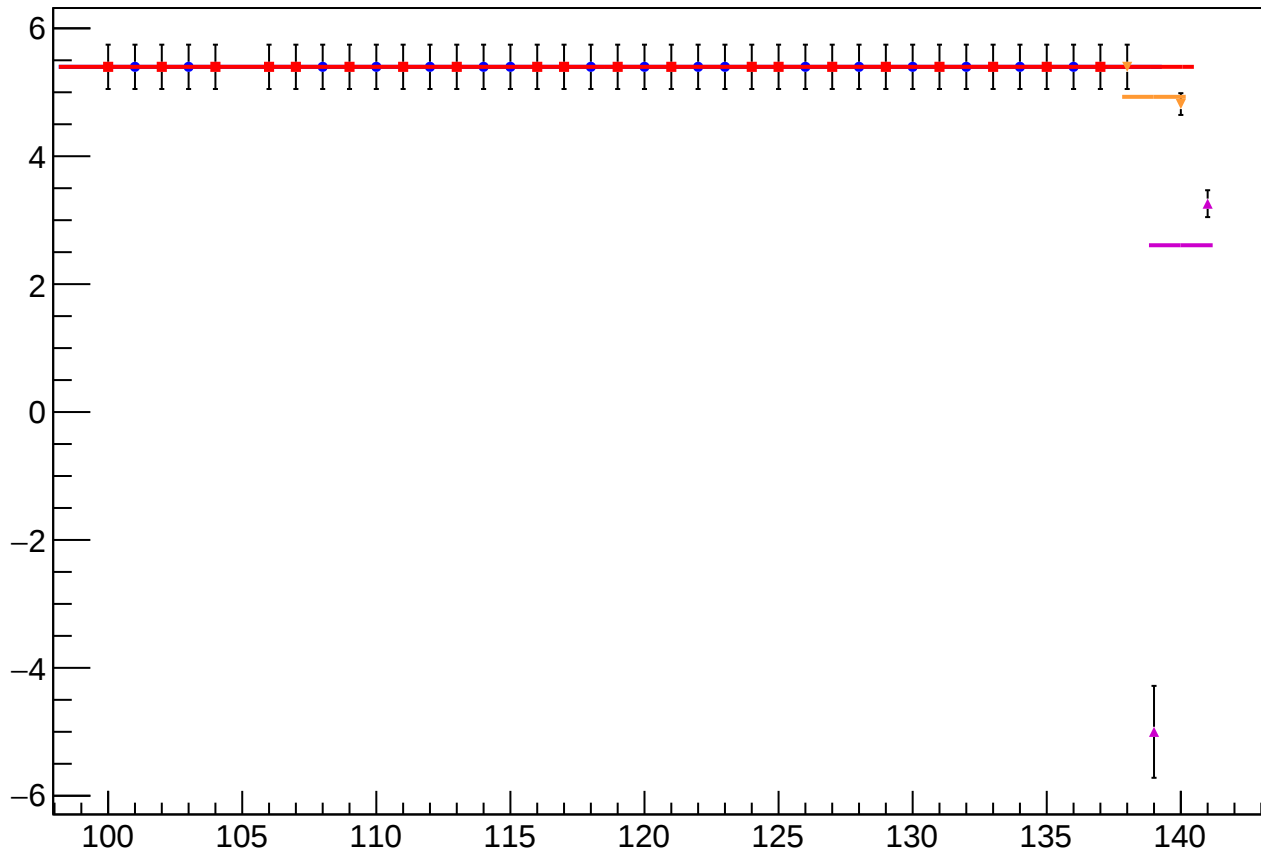
Right Out: -13.591 ± 0.081 χ^2/NDF : 0.0/19

Left In: -7.420 ± 0.238 χ^2/NDF : 130.3/1

-13.642 ± 0.081 χ^2/NDF : 4.2/18

-12.954 ± 0.077 χ^2/NDF : 731.9/21

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 5.398 $\pm$ 0.084 χ^2 /NDF: 0.0/16

Left Out: 4.929 $\pm$ 0.153 χ^2 /NDF:2.3/1

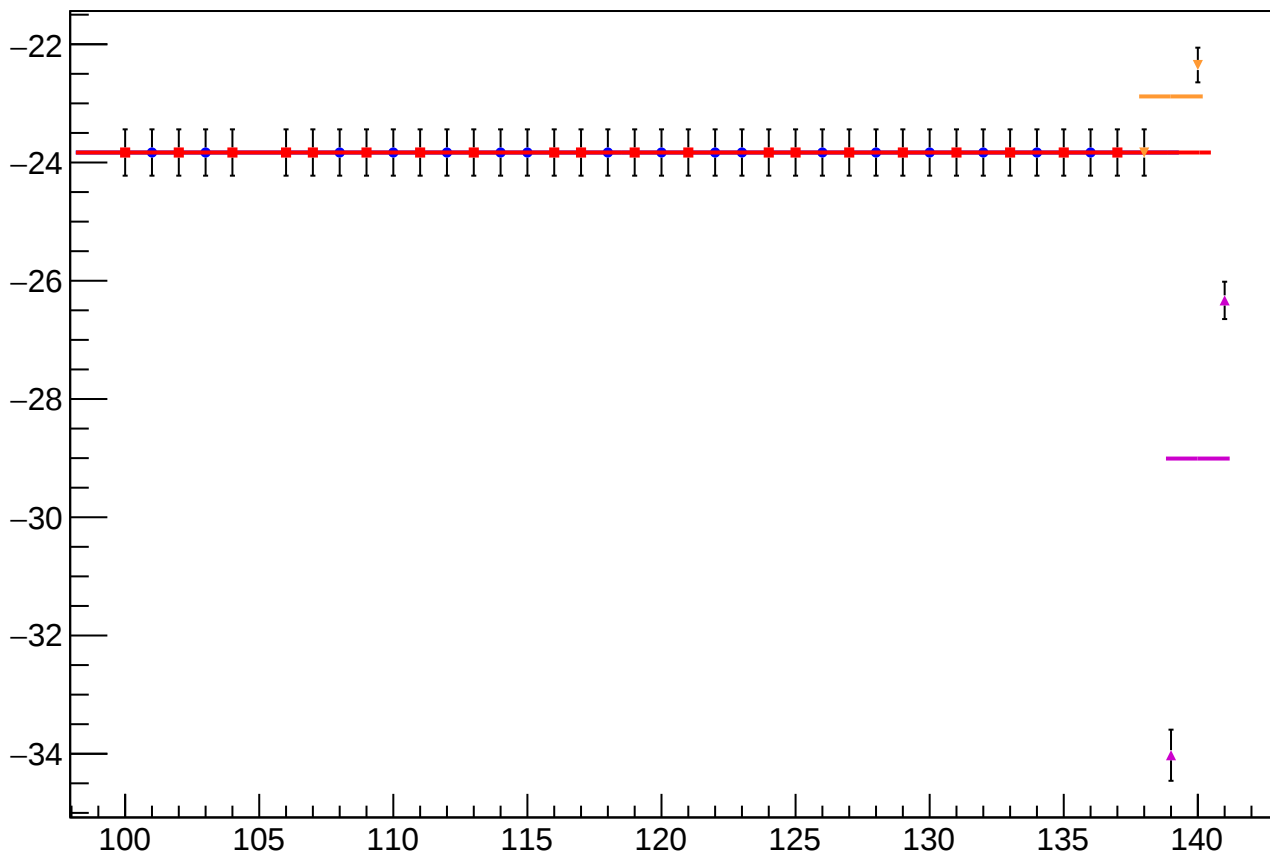
Right Out: 5.398 $\pm$ 0.077 χ^2 /NDF: 0.0/19

Left In: 2.608 $\pm$ 0.202 χ^2 /NDF:121.7/1

5.289 $\pm$ 0.074 χ^2 /NDF: 9.5/18

5.039 $\pm$ 0.072 χ^2 /NDF: 288.4/21

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -23.831 ± 0.095 χ^2/NDF : 0.0/16

Left Out: -22.883 ± 0.235 χ^2/NDF : 9.1/1

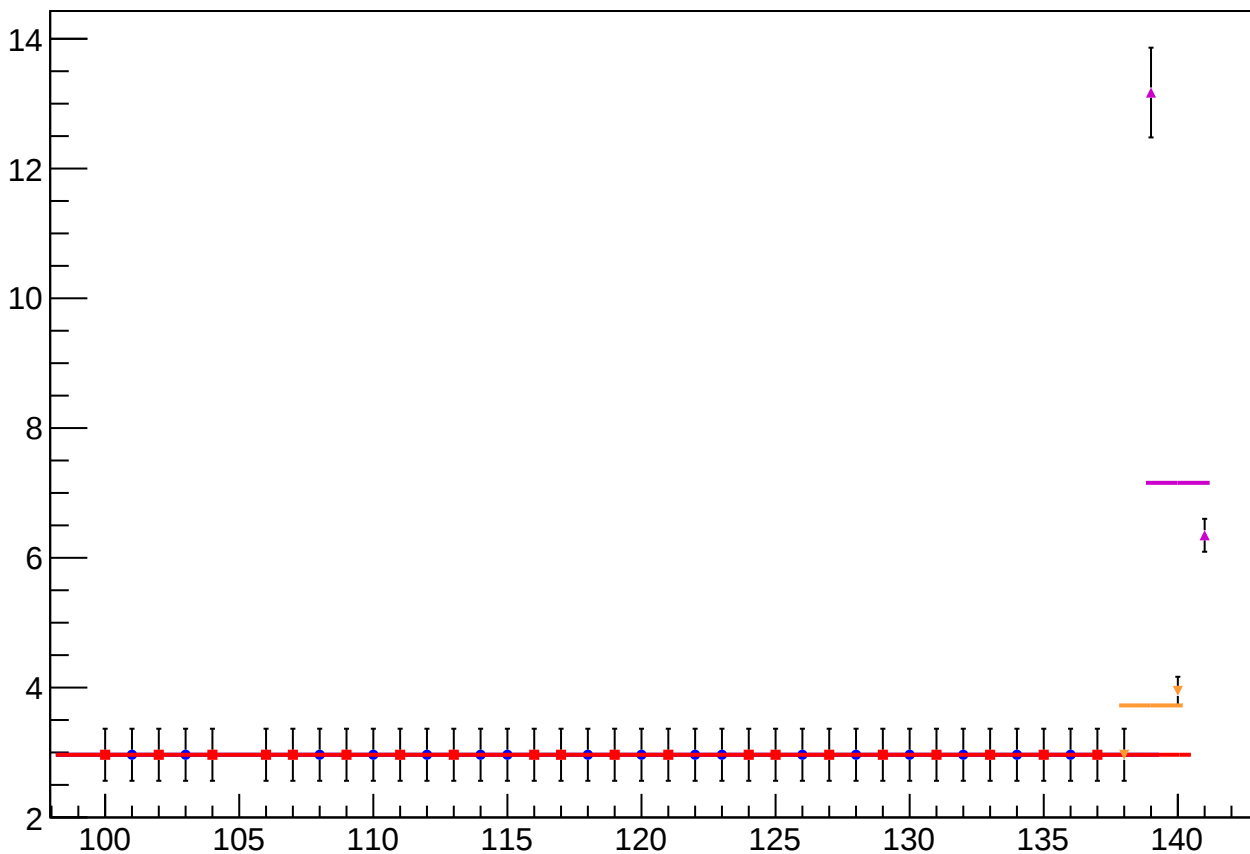
Right Out: -23.831 ± 0.088 χ^2/NDF : 0.0/19

Left In: -29.007 ± 0.255 χ^2/NDF : 206.4/1

-23.698 ± 0.088 χ^2/NDF : 23.2/18

-24.377 ± 0.083 χ^2/NDF : 575.0/21

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 2.964 $\pm$ 0.097 χ^2 /NDF: 0.0/16

Left Out: 3.725 $\pm$ 0.191 χ^2 /NDF: 4.6/1

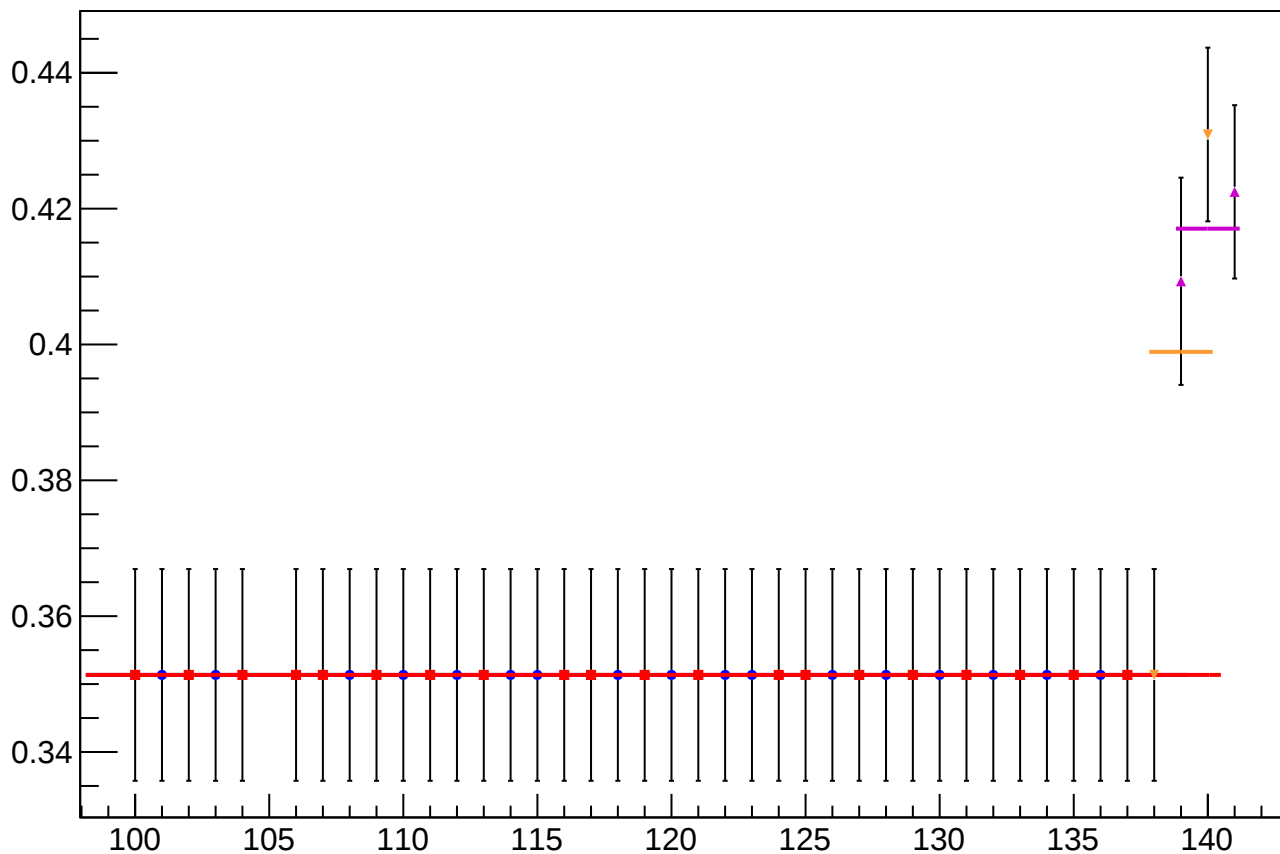
Right Out: 2.964 $\pm$ 0.090 χ^2 /NDF: 0.0/19

Left In: 7.156 $\pm$ 0.238 χ^2 /NDF: 85.8/1

3.121 $\pm$ 0.087 χ^2 /NDF: 17.2/18

3.486 $\pm$ 0.084 χ^2 /NDF: 357.1/21

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.351 $\pm$ 0.004 χ^2 /NDF: 0.0/16

Left Out: 0.399 $\pm$ 0.010 χ^2 /NDF:15.6/1

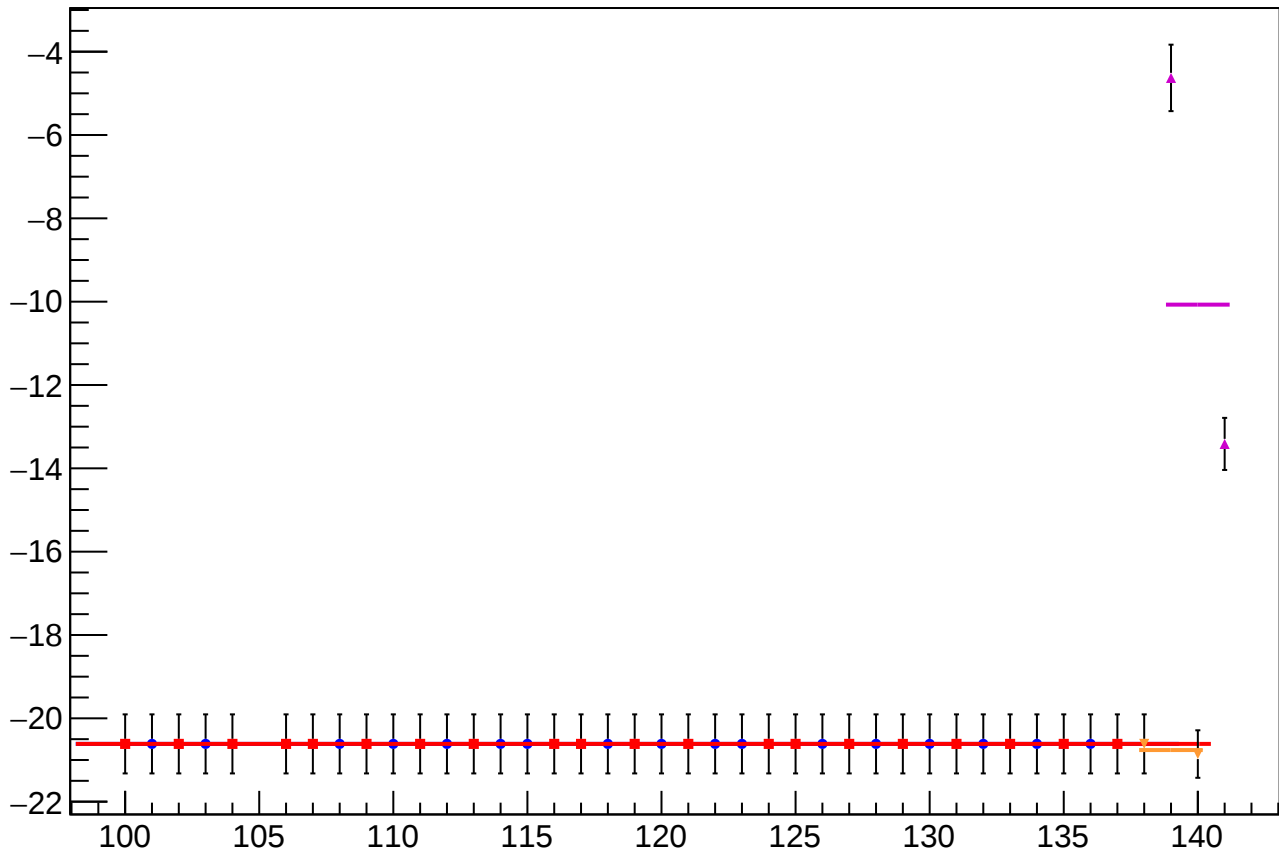
Right Out: 0.351 $\pm$ 0.003 χ^2 /NDF: 0.0/19

Left In: 0.417 $\pm$ 0.010 χ^2 /NDF:0.4/1

0.357 $\pm$ 0.004 χ^2 /NDF: 35.8/18

0.359 $\pm$ 0.003 χ^2 /NDF: 40.4/21

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -20.614 $\pm$ 0.172 χ^2 /NDF: 0.0/16

Left Out: -20.762 $\pm$ 0.444 χ^2 /NDF: 0.1/1

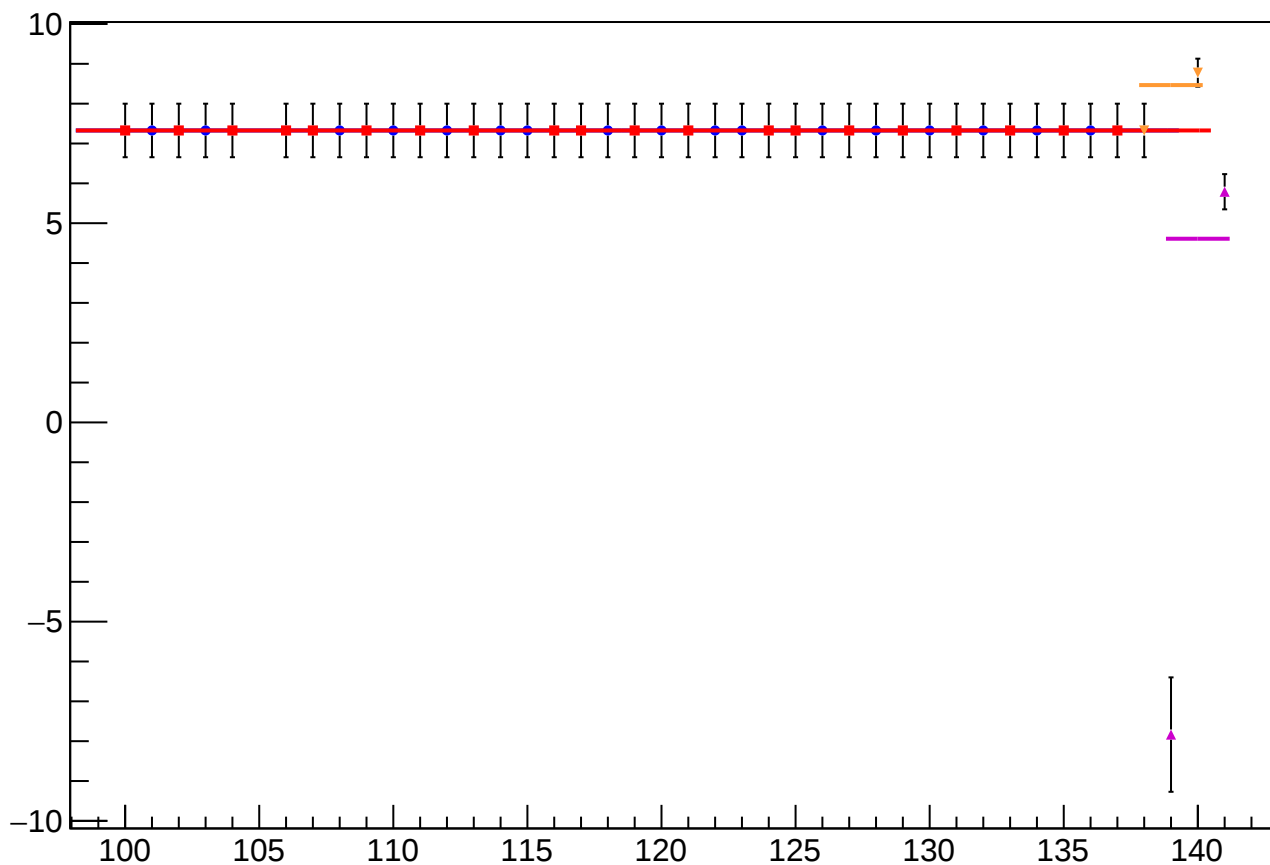
Right Out: -20.614 $\pm$ 0.158 χ^2 /NDF: 0.0/19

Left In: -10.071 $\pm$ 0.492 χ^2 /NDF: 75.2/1

-20.633 $\pm$ 0.160 χ^2 /NDF: 0.2/18

-19.622 $\pm$ 0.151 χ^2 /NDF: 491.2/21

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 7.327 $\pm$ 0.163 χ^2 /NDF: 0.0/16

Left Out: 8.466 $\pm$ 0.311 χ^2 /NDF: 3.7/1

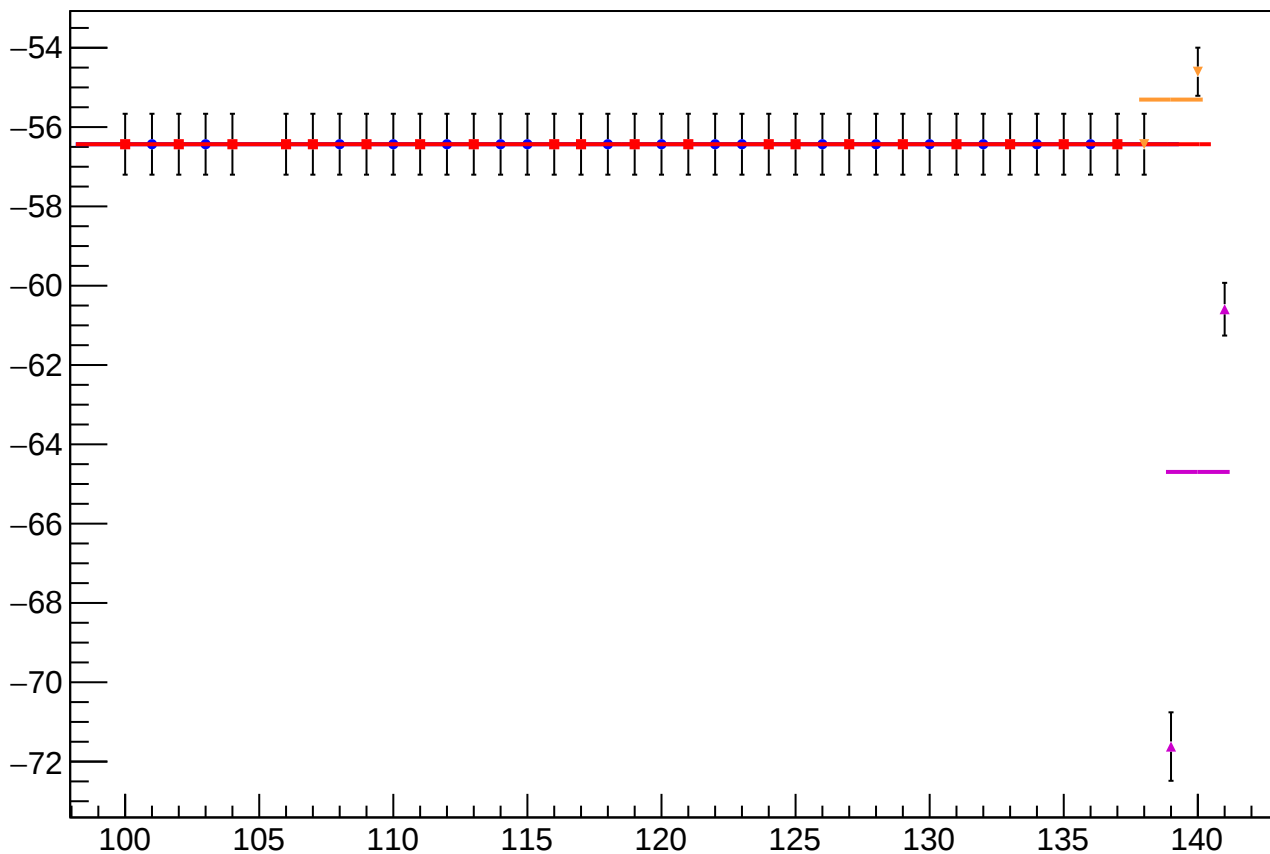
Right Out: 7.327 $\pm$ 0.150 χ^2 /NDF: 0.0/19

Left In: 4.610 $\pm$ 0.422 χ^2 /NDF: 82.2/1

7.572 $\pm$ 0.144 χ^2 /NDF: 14.2/18

7.022 $\pm$ 0.142 χ^2 /NDF: 119.0/21

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -56.432 $\pm$ 0.186 χ^2 /NDF: 0.0/16

Left Out: -55.307 $\pm$ 0.476 χ^2 /NDF: 3.5/1

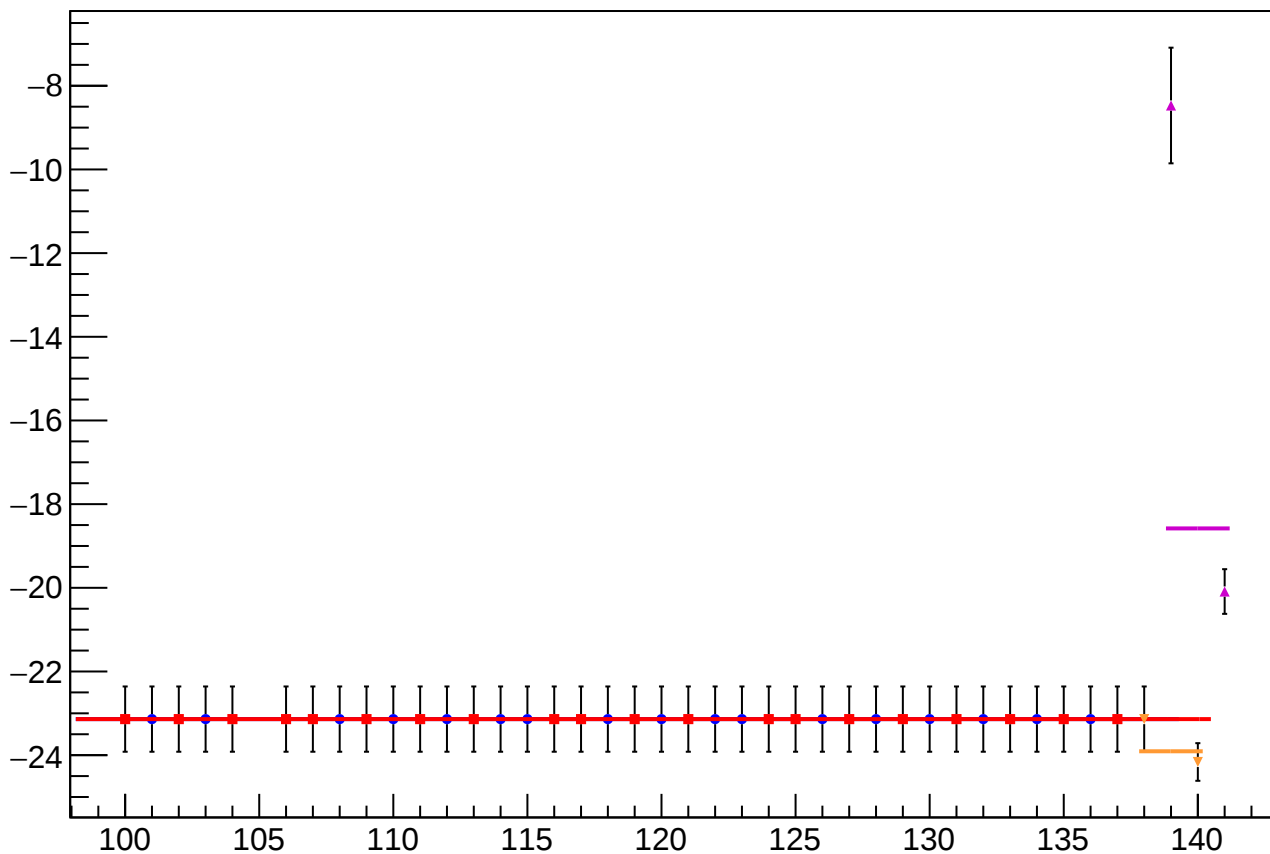
Right Out: -56.432 $\pm$ 0.172 χ^2 /NDF: 0.0/19

Left In: -64.696 $\pm$ 0.527 χ^2 /NDF: 102.4/1

-56.283 $\pm$ 0.173 χ^2 /NDF: 8.3/18

-57.227 $\pm$ 0.163 χ^2 /NDF: 325.0/21

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -23.138 ± 0.189 χ^2/NDF : 0.0/16

Left Out: -23.907 ± 0.390 χ^2/NDF : 1.3/1

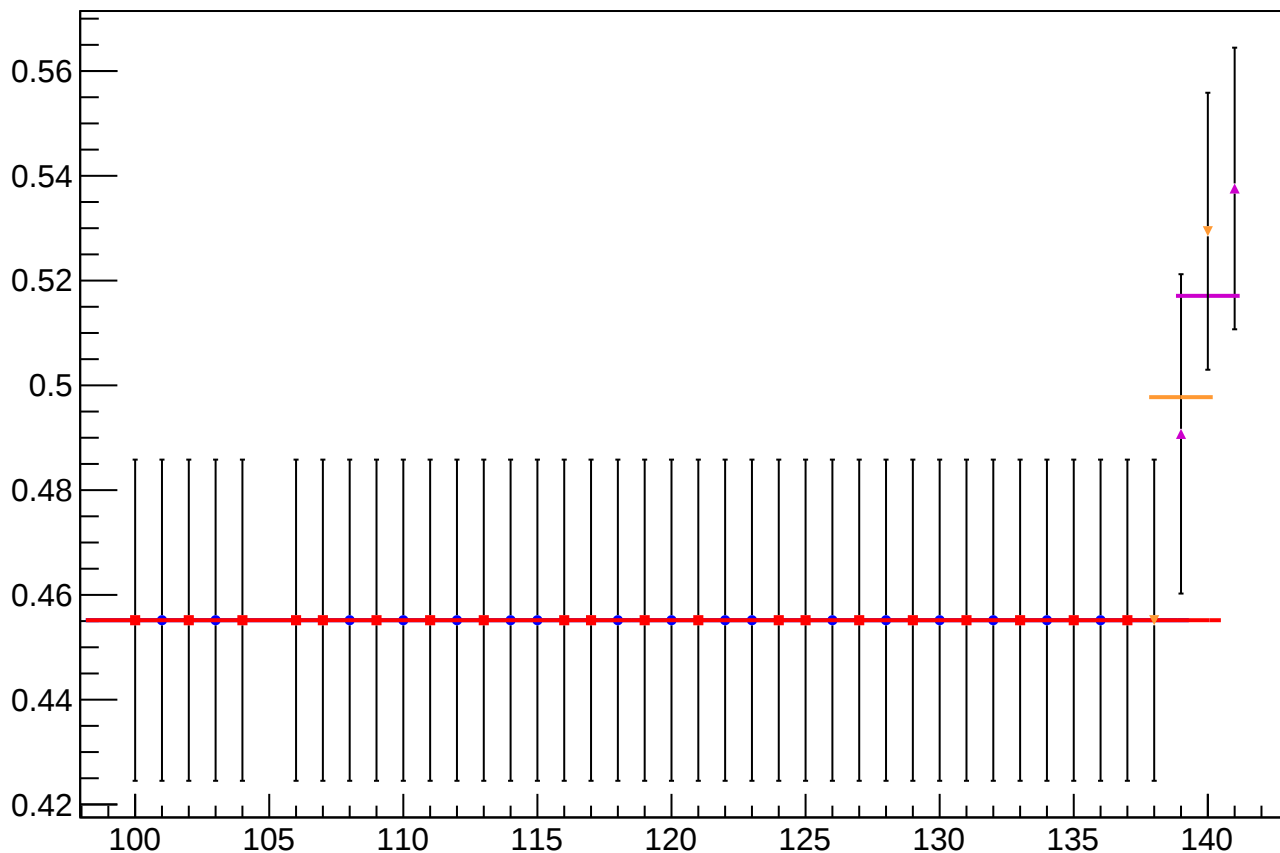
Right Out: -23.138 ± 0.174 χ^2/NDF : 0.0/19

Left In: -18.580 ± 0.498 χ^2/NDF : 61.5/1

-23.285 ± 0.170 χ^2/NDF : 4.4/18

-22.640 ± 0.165 χ^2/NDF : 136.1/21

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.455 $\pm$ 0.007 χ^2 /NDF: 0.0/16

Left Out: 0.498 $\pm$ 0.020 χ^2 /NDF: 3.4/1

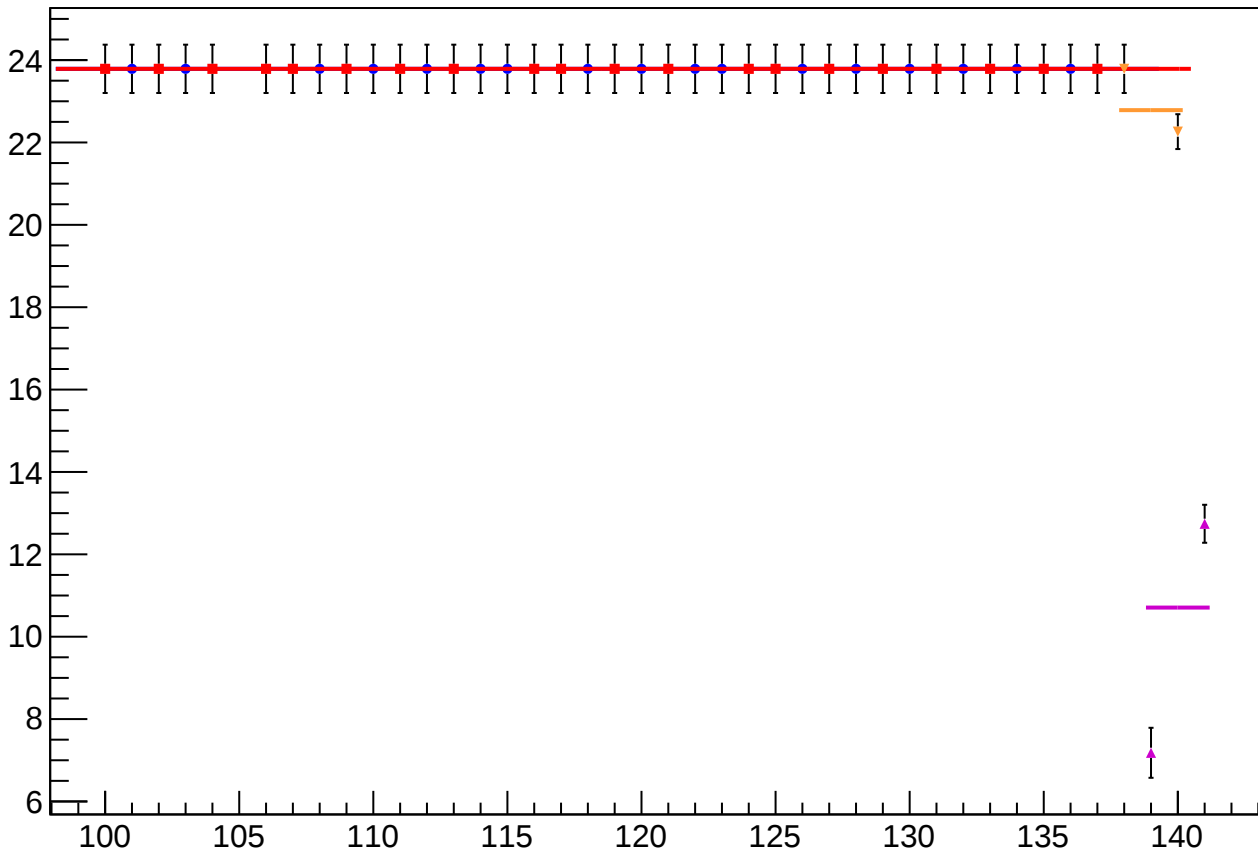
Right Out: 0.455 $\pm$ 0.007 χ^2 /NDF: 0.0/19

Left In: 0.517 $\pm$ 0.020 χ^2 /NDF: 1.3/1

0.460 $\pm$ 0.007 χ^2 /NDF: 7.3/18

0.462 $\pm$ 0.006 χ^2 /NDF: 9.8/21

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 23.788 $\pm$ 0.142 χ^2 /NDF: 0.0/16

Left Out: 22.785 $\pm$ 0.343 χ^2 /NDF: 4.4/1

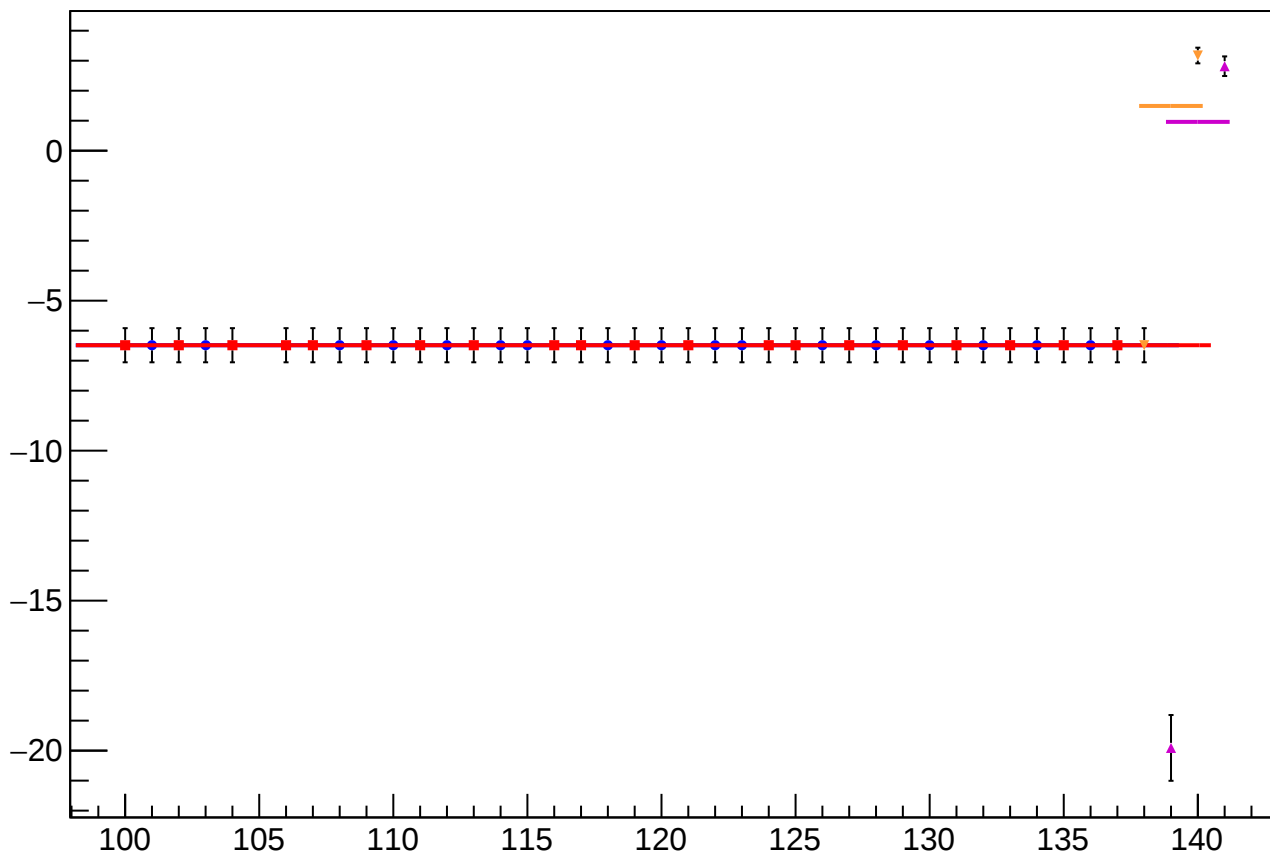
Right Out: 23.788 $\pm$ 0.131 χ^2 /NDF: 0.0/19

Left In: 10.707 $\pm$ 0.367 χ^2 /NDF: 53.2/1

23.641 $\pm$ 0.131 χ^2 /NDF: 11.7/18

22.307 $\pm$ 0.124 χ^2 /NDF: 1178.6/21

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -6.485 ± 0.138 χ^2/NDF : 0.0/16

Left Out: 1.492 ± 0.237 χ^2/NDF : 238.0/1

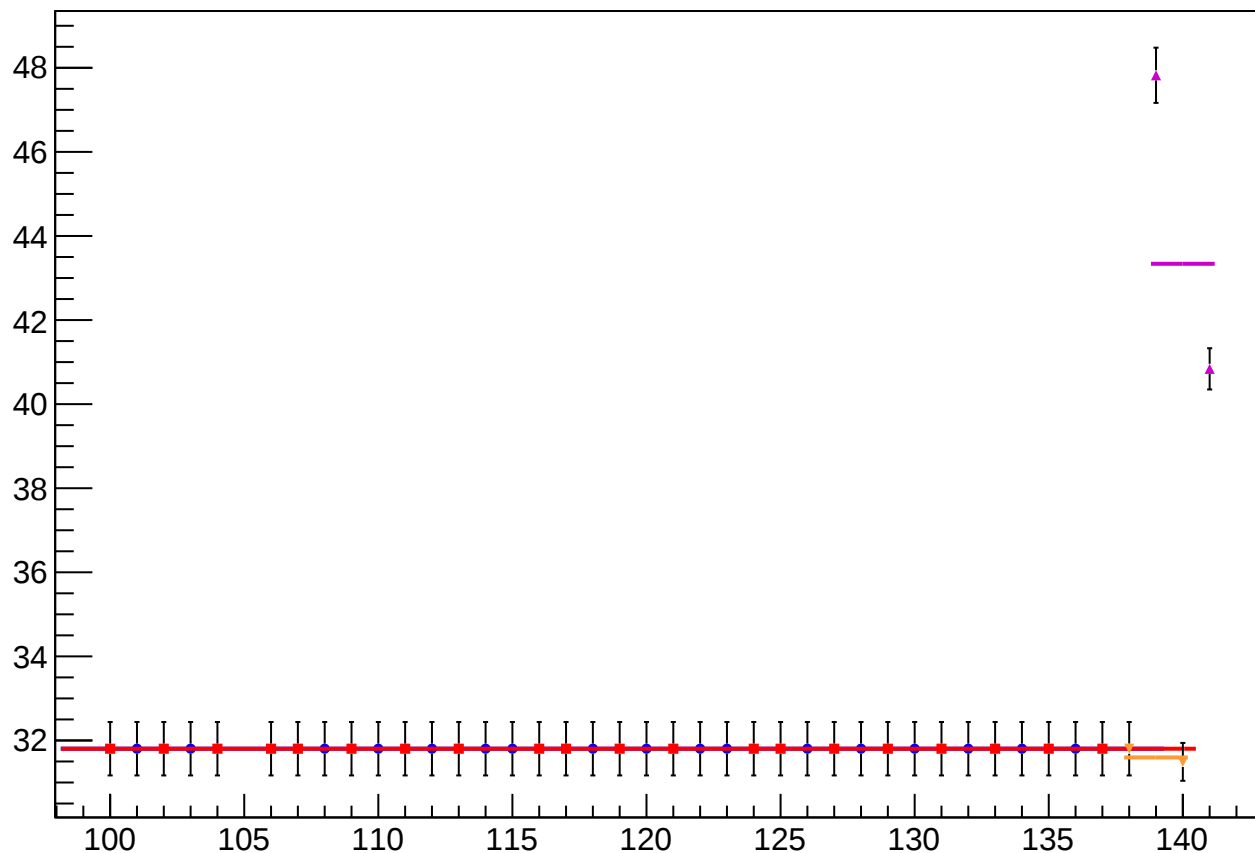
Right Out: -6.485 ± 0.127 χ^2/NDF : 0.0/19

Left In: 0.961 ± 0.313 χ^2/NDF : 394.5/1

-4.471 ± 0.119 χ^2/NDF : 1081.7/18

-5.431 ± 0.118 χ^2/NDF : 879.3/21

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 31.804 $\pm$ 0.154 χ^2 /NDF: 0.0/16

Left Out: 31.596 $\pm$ 0.368 χ^2 /NDF: 0.2/1

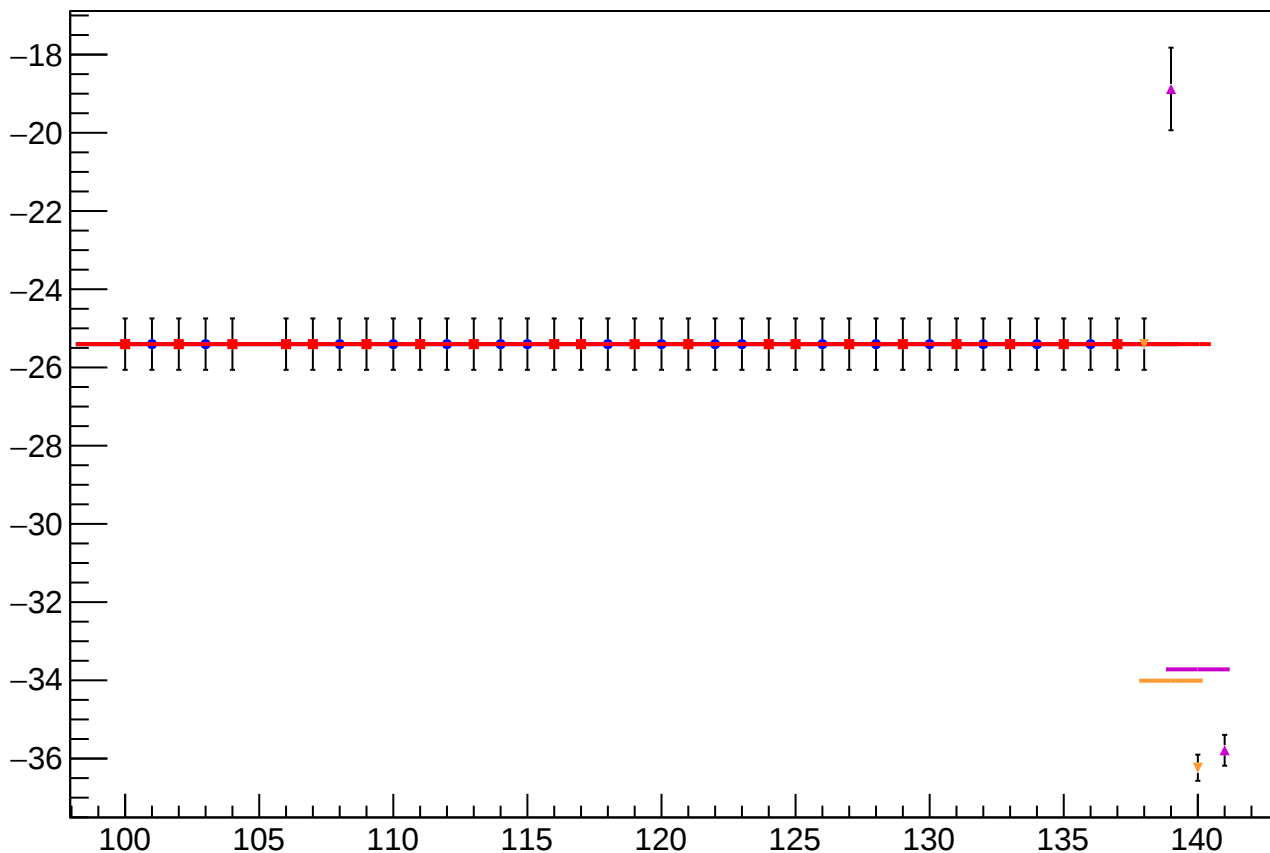
Right Out: 31.804 $\pm$ 0.142 χ^2 /NDF: 0.0/19

Left In: 43.338 $\pm$ 0.393 χ^2 /NDF: 72.6/1

31.773 $\pm$ 0.142 χ^2 /NDF: 0.4/18

33.139 $\pm$ 0.134 χ^2 /NDF: 834.5/21

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -25.404 ± 0.159 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -34.009 ± 0.298 $\chi^2/\text{NDF}: 215.9/1$

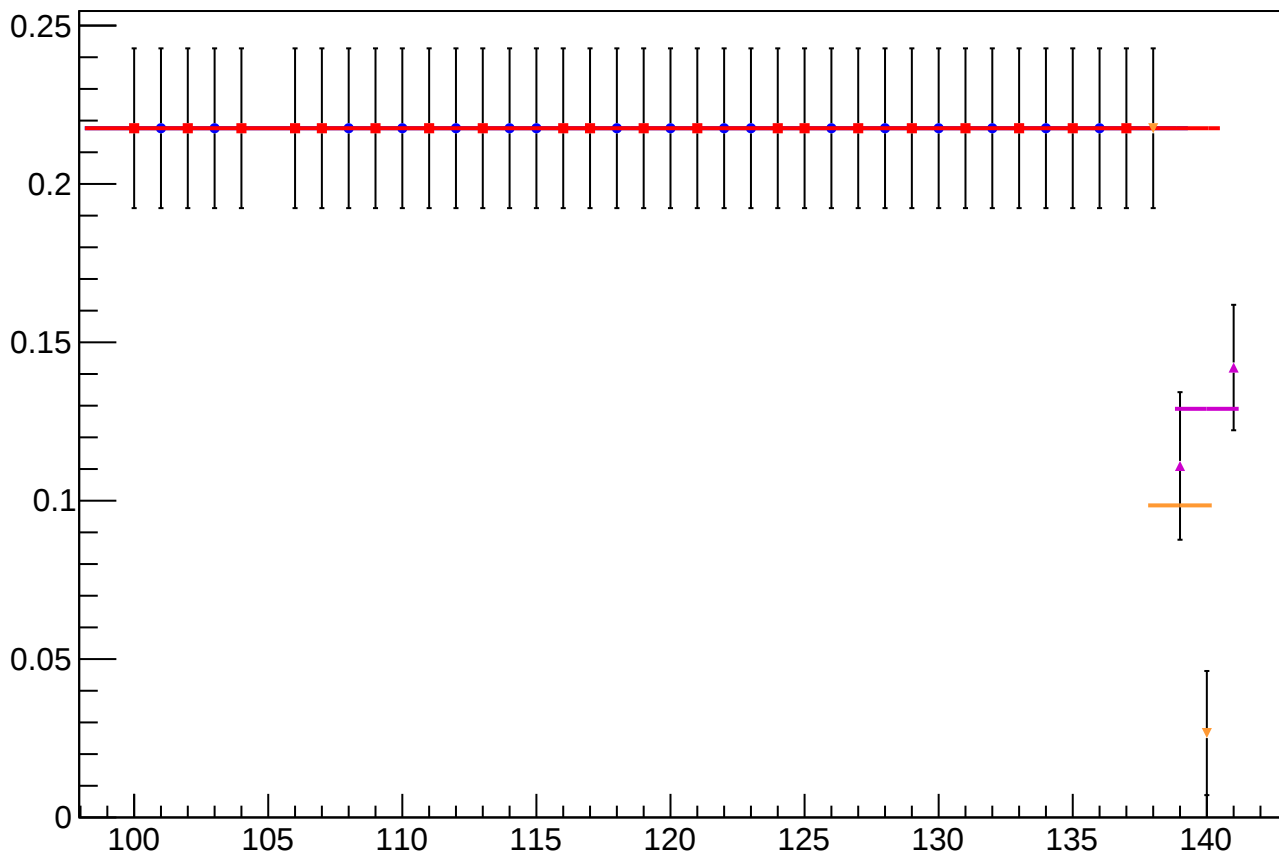
Right Out: -25.404 ± 0.147 $\chi^2/\text{NDF}: 0.0/19$

Left In: -33.719 ± 0.369 $\chi^2/\text{NDF}: 225.1/1$

-27.319 ± 0.141 $\chi^2/\text{NDF}: 865.0/18$

-26.540 ± 0.137 $\chi^2/\text{NDF}: 662.7/21$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.218 $\pm$ 0.006 χ^2 /NDF: 0.0/16

Left Out: 0.099 $\pm$ 0.015 χ^2 /NDF:35.7/1

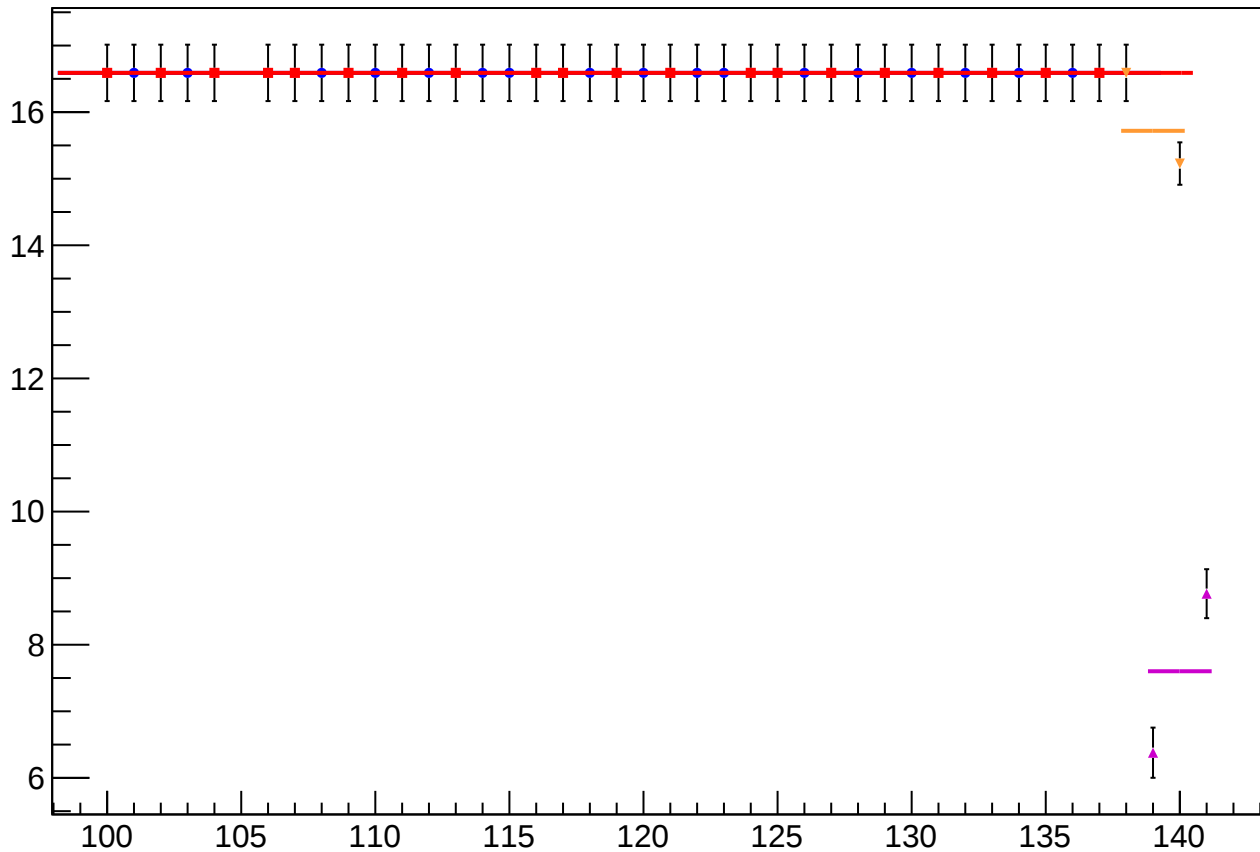
Right Out: 0.218 $\pm$ 0.006 χ^2 /NDF: 0.0/19

Left In: 0.129 $\pm$ 0.015 χ^2 /NDF:1.0/1

0.201 $\pm$ 0.006 χ^2 /NDF: 87.0/18

0.207 $\pm$ 0.005 χ^2 /NDF: 31.3/21

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 16.590 $\pm$ 0.103 χ^2 /NDF: 0.0/16

Left Out: 15.719 $\pm$ 0.255 χ^2 /NDF: 6.6/1

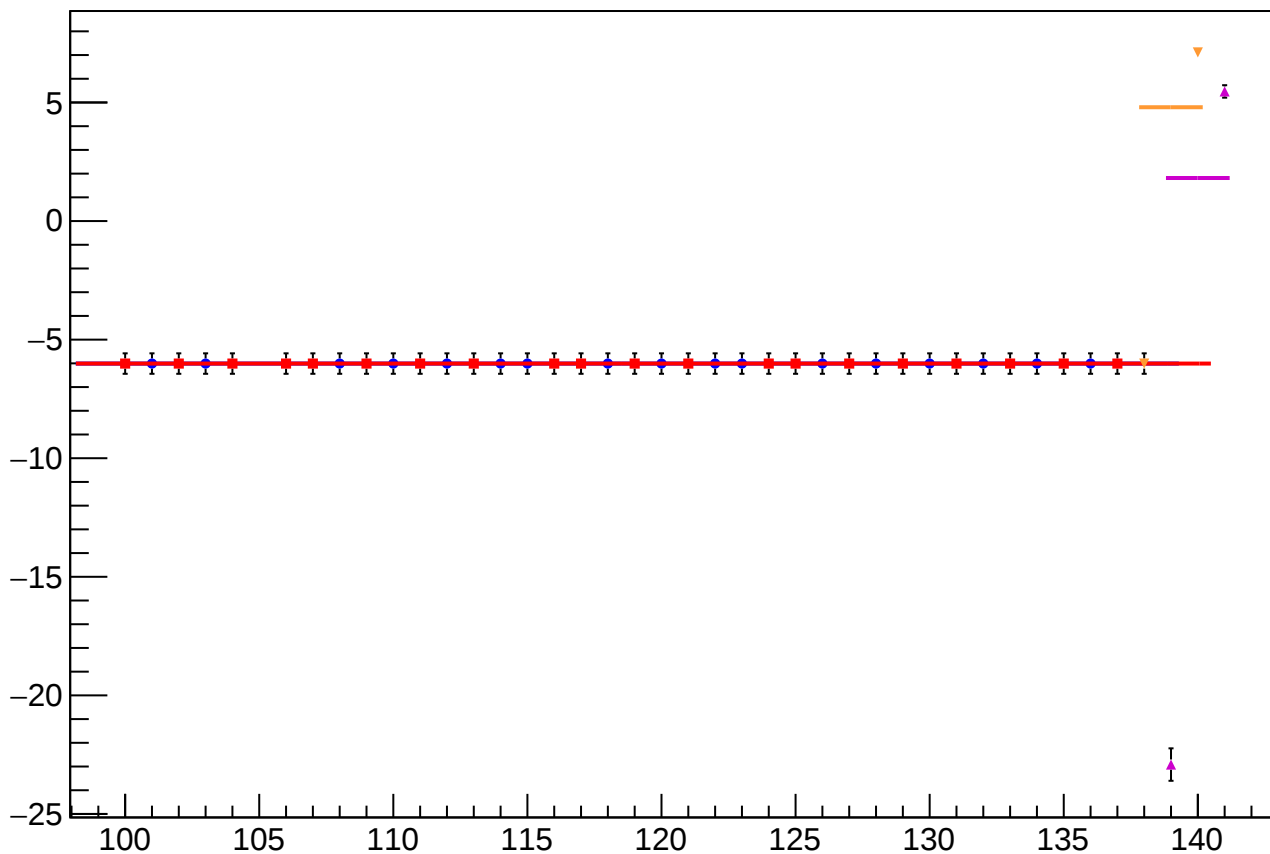
Right Out: 16.590 $\pm$ 0.095 χ^2 /NDF: 0.0/19

Left In: 7.602 $\pm$ 0.263 χ^2 /NDF: 20.6/1

16.468 $\pm$ 0.095 χ^2 /NDF: 16.7/18

15.559 $\pm$ 0.089 χ^2 /NDF: 1053.0/21

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -6.009 $\pm$ 0.105 χ^2 /NDF: 0.0/16

Left Out: 4.799 $\pm$ 0.181 χ^2 /NDF: 761.7/1

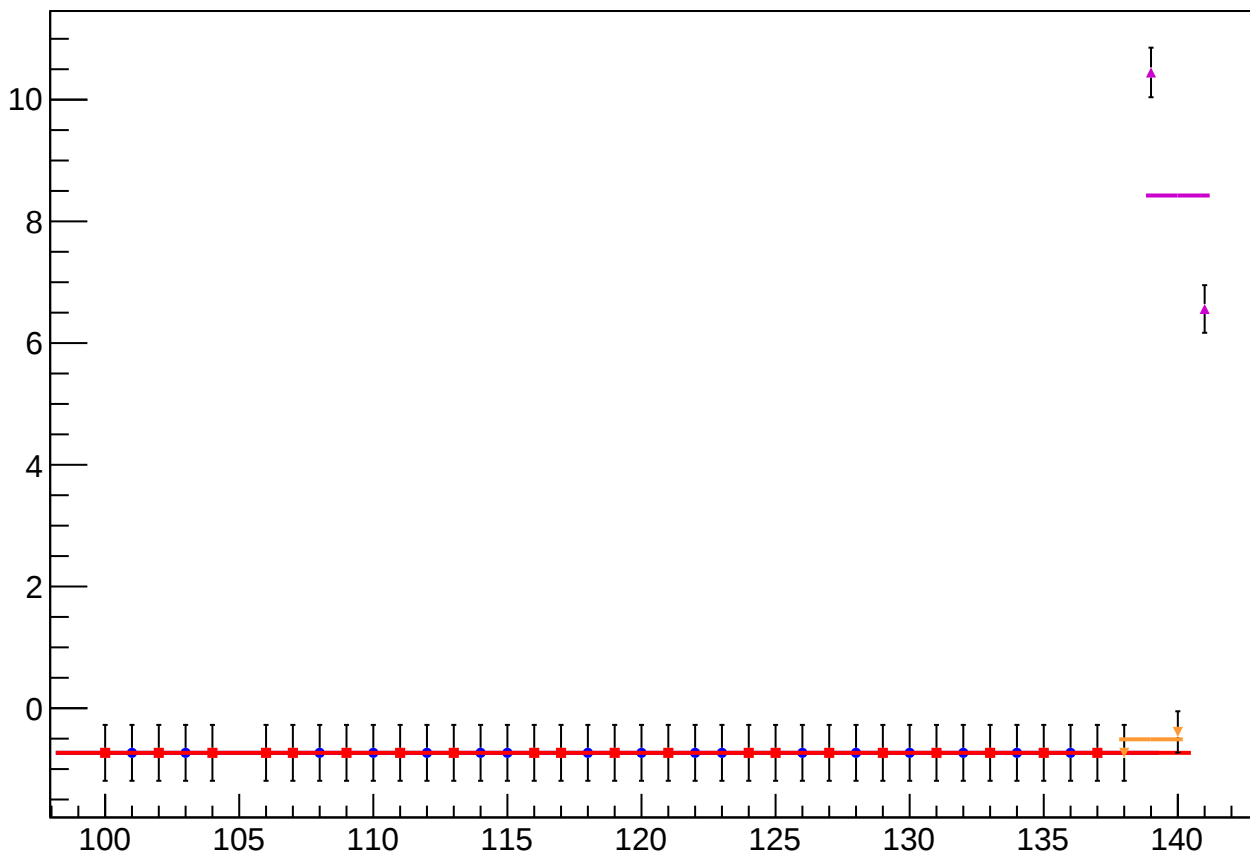
Right Out: -6.009 $\pm$ 0.096 χ^2 /NDF: 0.0/19

Left In: 1.815 $\pm$ 0.245 χ^2 /NDF: 1498.9/1

-3.304 $\pm$ 0.091 χ^2 /NDF: 3431.2/18

-4.962 $\pm$ 0.090 χ^2 /NDF: 2379.3/21

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: -0.733 ± 0.111 χ^2/NDF : 0.0/16

Left Out: -0.511 ± 0.273 χ^2/NDF : 0.4/1

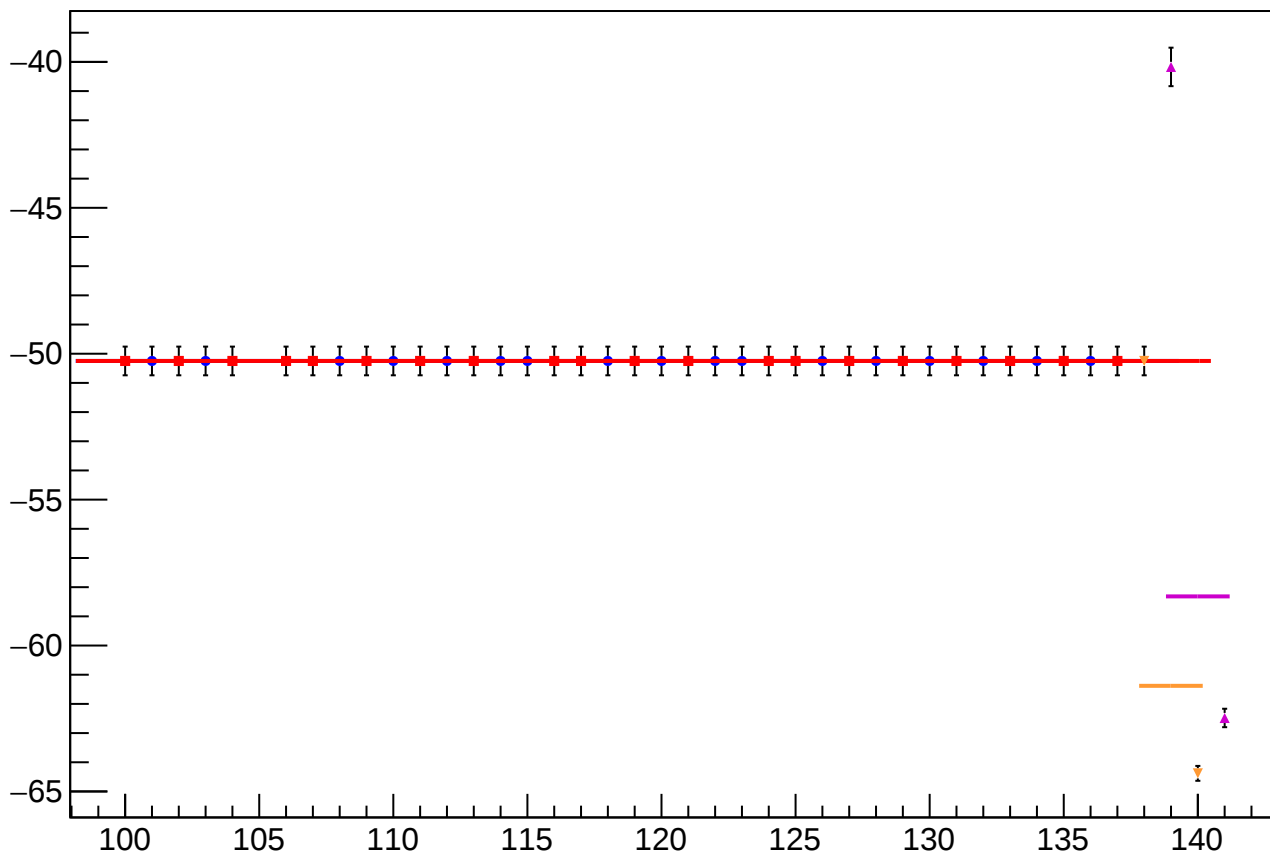
Right Out: -0.733 ± 0.103 χ^2/NDF : 0.0/19

Left In: 8.425 ± 0.282 χ^2/NDF : 47.4/1

-0.702 ± 0.103 χ^2/NDF : 0.9/18

0.339 ± 0.097 χ^2/NDF : 978.0/21

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -50.248 $\pm$ 0.119 χ^2 /NDF: 0.0/16

Left Out: -61.381 $\pm$ 0.226 χ^2 /NDF:650.9/1

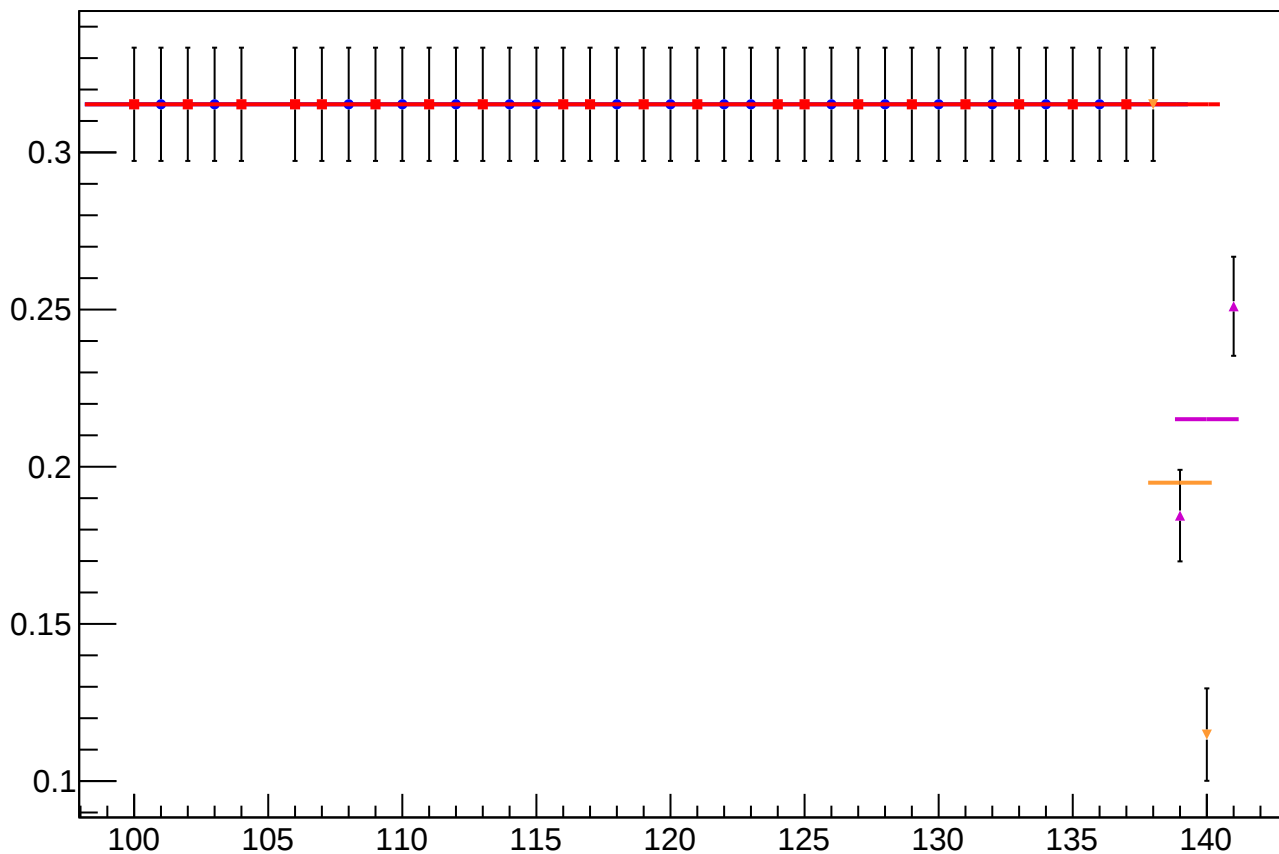
Right Out: -50.248 $\pm$ 0.110 χ^2 /NDF: 0.0/19

Left In: -58.316 $\pm$ 0.285 χ^2 /NDF:931.1/1

-52.664 $\pm$ 0.106 χ^2 /NDF: 2542.7/18

-51.293 $\pm$ 0.103 χ^2 /NDF: 1629.0/21

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.315 $\pm$ 0.004 χ^2 /NDF: 0.0/16

Left Out: 0.195 $\pm$ 0.011 χ^2 /NDF: 74.4/1

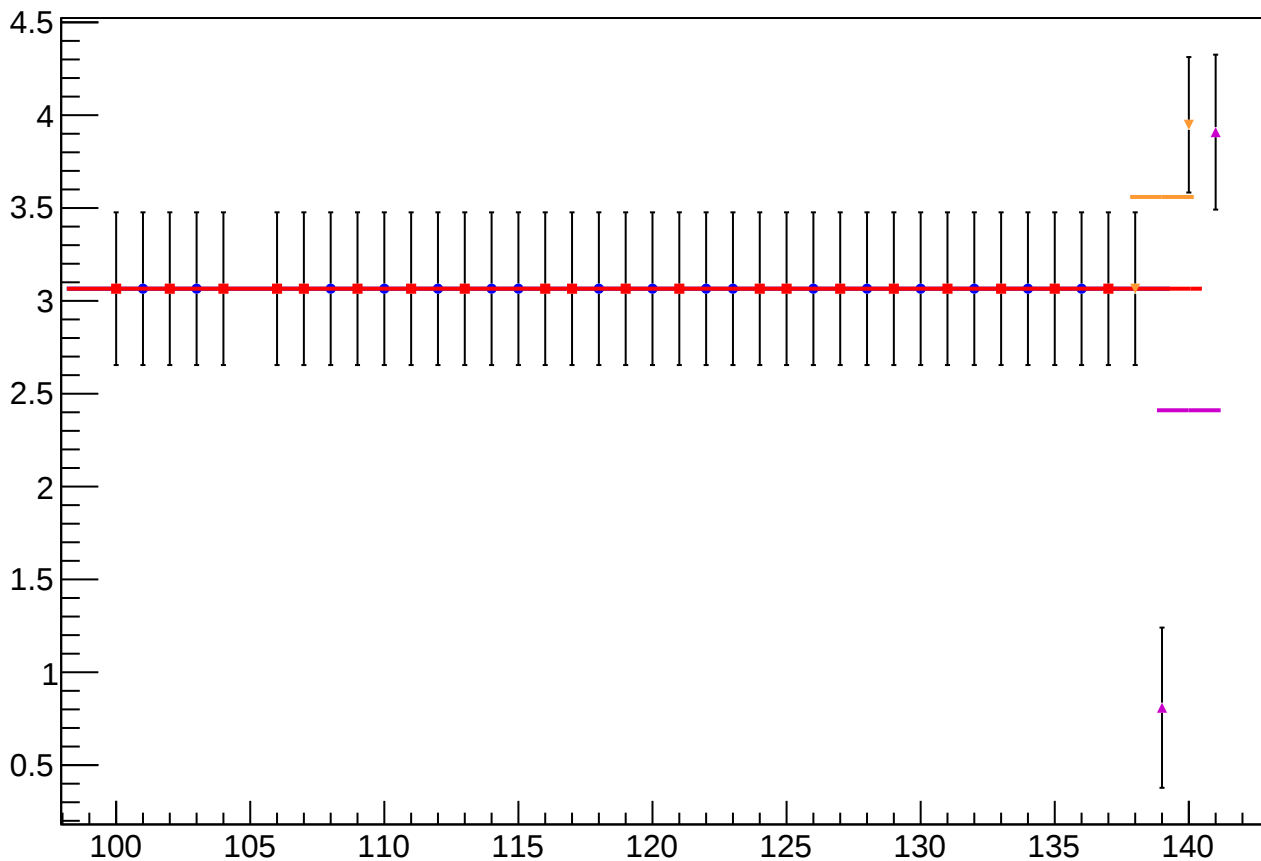
Right Out: 0.315 $\pm$ 0.004 χ^2 /NDF: 0.0/19

Left In: 0.215 $\pm$ 0.011 χ^2 /NDF: 9.6/1

0.300 $\pm$ 0.004 χ^2 /NDF: 171.7/18

0.303 $\pm$ 0.004 χ^2 /NDF: 86.5/21

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 3.066 $\pm$ 0.100 χ^2 /NDF: 0.0/16

Left Out: 3.559 $\pm$ 0.273 χ^2 /NDF: 2.6/1

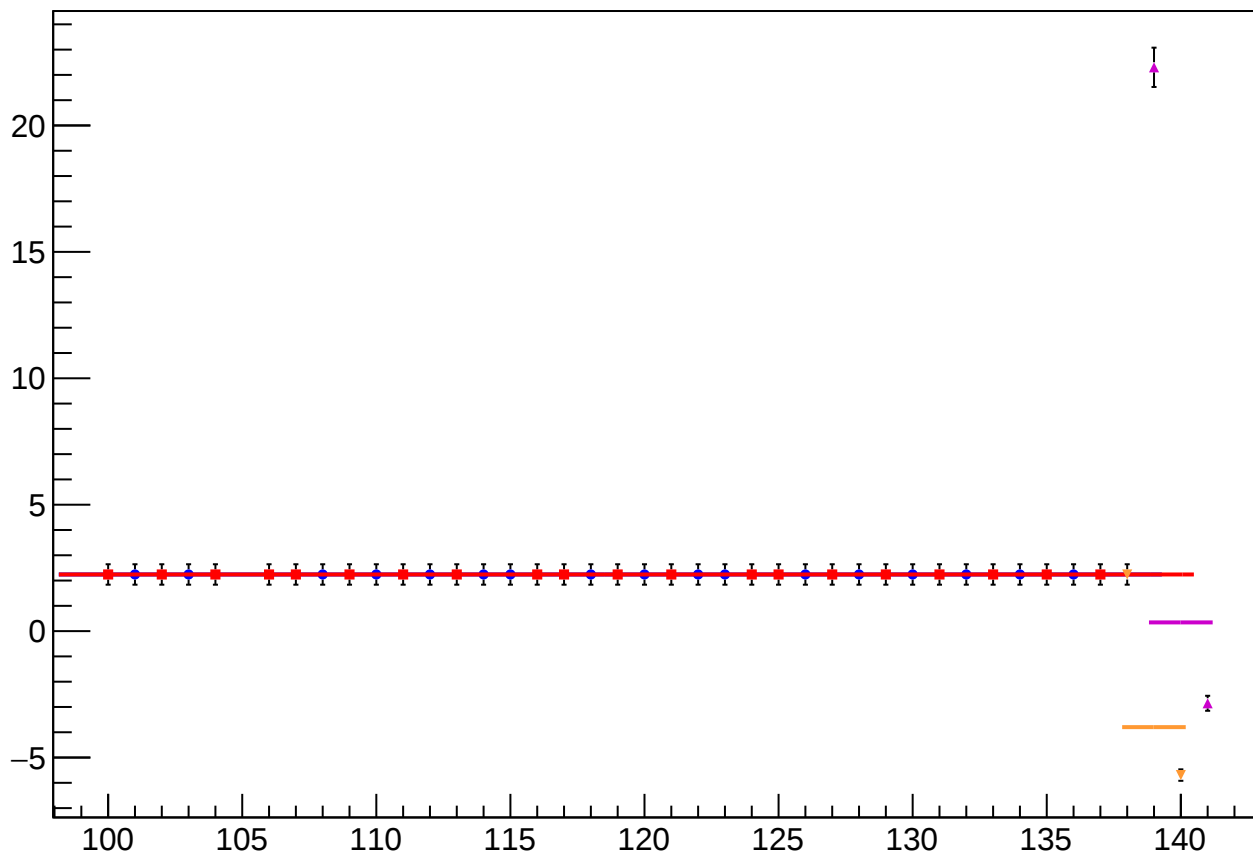
Right Out: 3.066 $\pm$ 0.092 χ^2 /NDF: 0.0/19

Left In: 2.411 $\pm$ 0.300 χ^2 /NDF: 26.7/1

3.124 $\pm$ 0.094 χ^2 /NDF: 5.5/18

3.009 $\pm$ 0.088 χ^2 /NDF: 31.0/21

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 2.241 $\pm$ 0.098 χ^2 /NDF: 0.0/16

Left Out: -3.798 $\pm$ 0.198 χ^2 /NDF:293.2/1

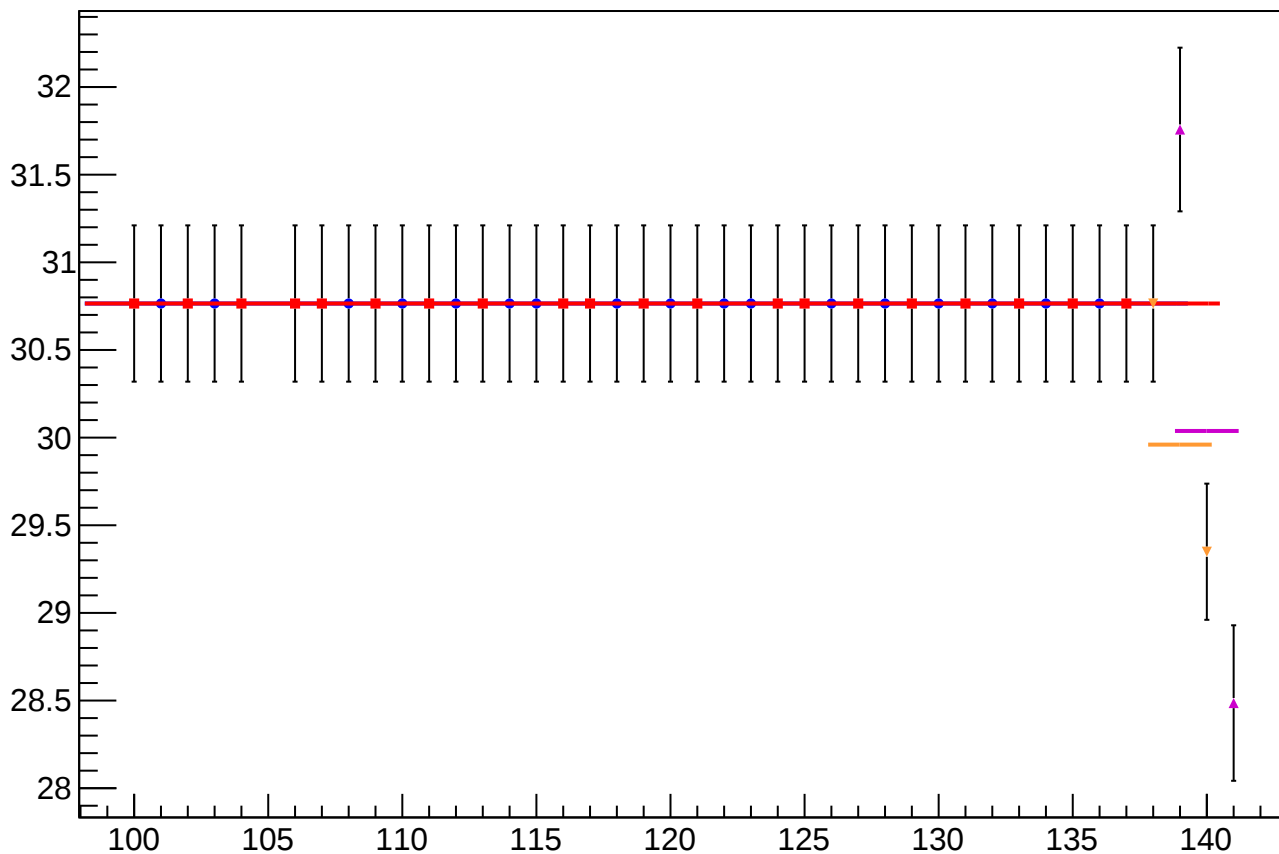
Right Out: 2.241 $\pm$ 0.090 χ^2 /NDF: 0.0/19

Left In: 0.345 $\pm$ 0.277 χ^2 /NDF:914.4/1

1.048 $\pm$ 0.088 χ^2 /NDF: 1042.6/18

2.058 $\pm$ 0.086 χ^2 /NDF: 956.7/21

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 30.765 $\pm$ 0.108 χ^2/NDF : 0.0/16

Left Out: 29.960 $\pm$ 0.293 χ^2/NDF : 5.7/1

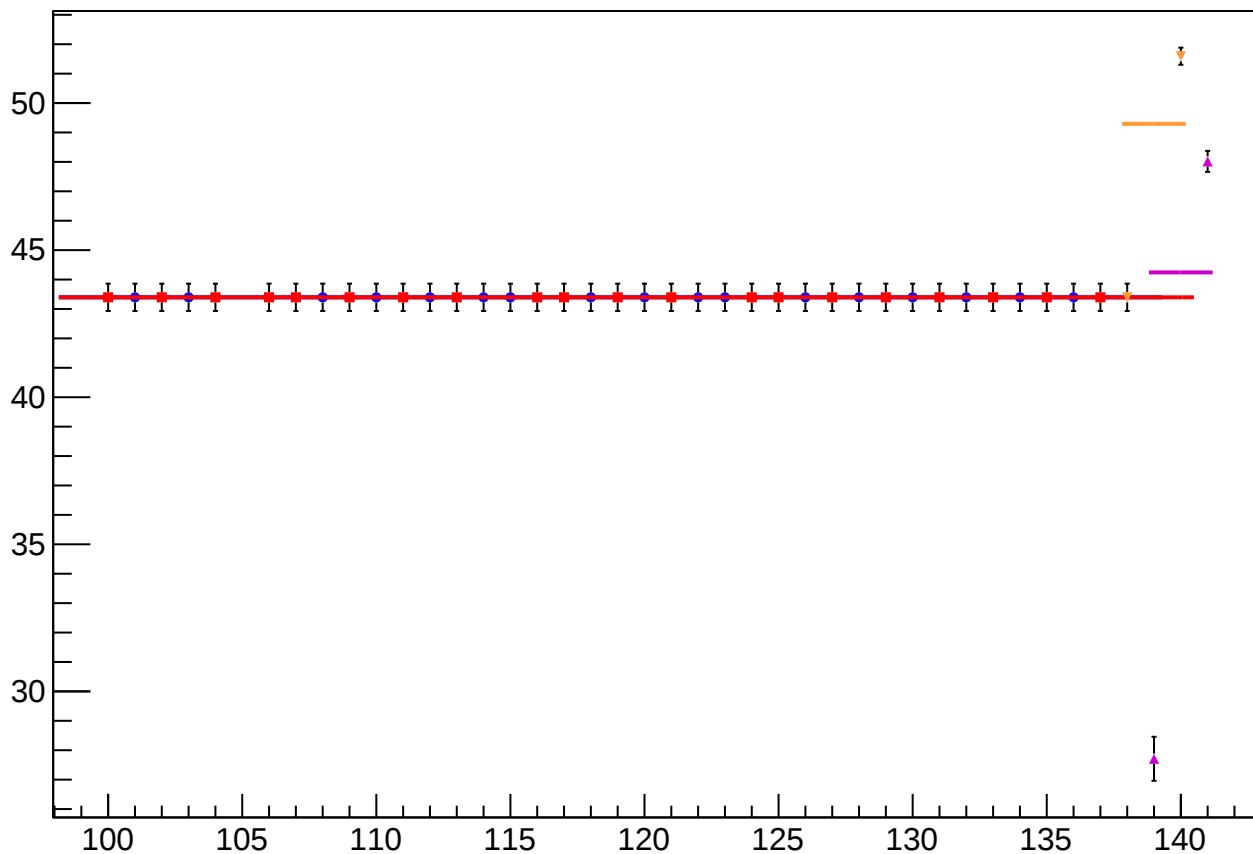
Right Out: 30.765 $\pm$ 0.100 χ^2/NDF : 0.0/19

Left In: 30.038 $\pm$ 0.322 χ^2/NDF : 25.8/1

30.668 $\pm$ 0.101 χ^2/NDF : 12.4/18

30.701 $\pm$ 0.095 χ^2/NDF : 30.5/21

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 43.396+/-0.113 χ^2/NDF : 0.0/16

Left Out: 49.294+/-0.246 χ^2/NDF : 223.9/1

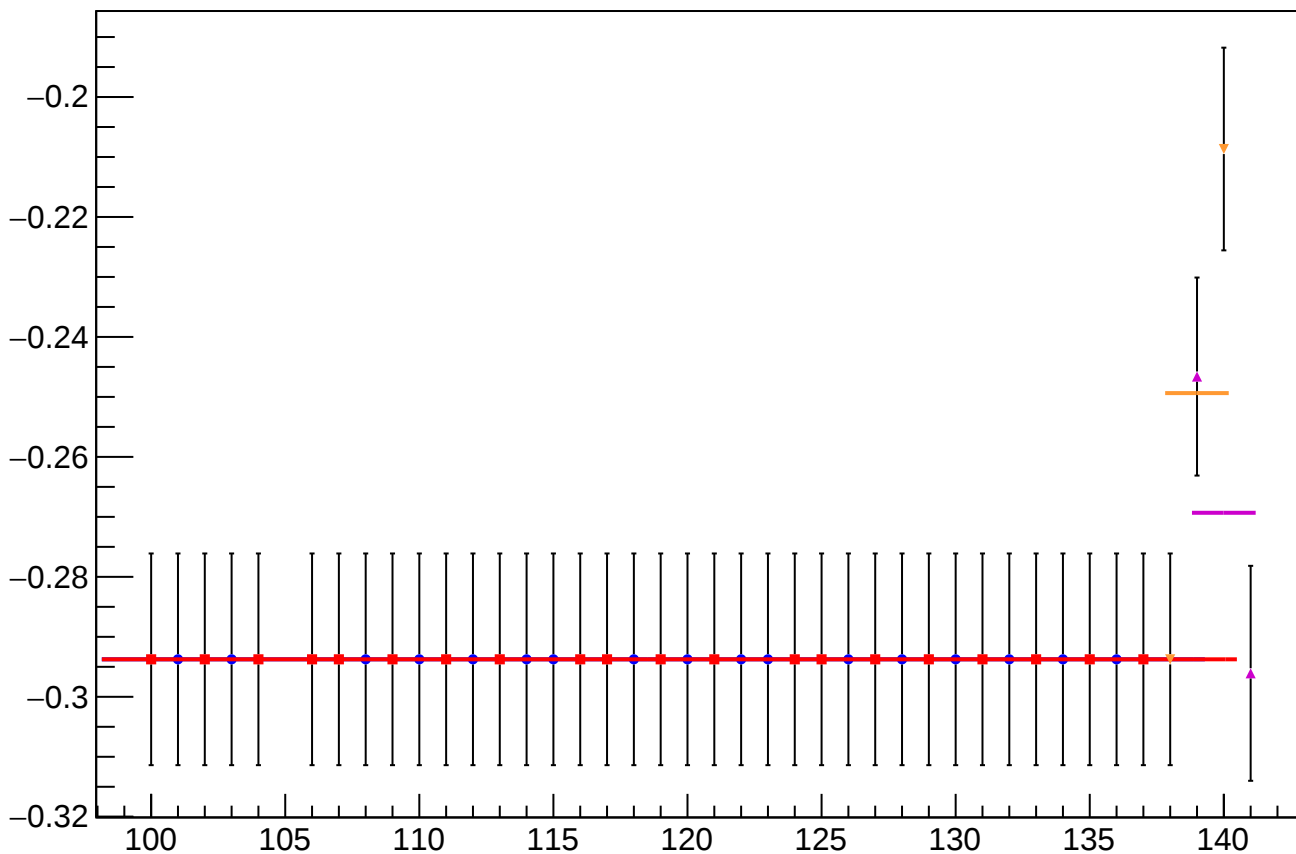
Right Out: 43.396+/-0.104 χ^2/NDF : 0.0/19

Left In: 44.243+/-0.323 χ^2/NDF : 599.7/1

44.419+/-0.102 χ^2/NDF : 698.9/18

43.476+/-0.099 χ^2/NDF : 605.9/21

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.294 $\pm$ 0.004 χ^2 /NDF: 0.0/16

Left Out: -0.249 $\pm$ 0.012 χ^2 /NDF:12.1/1

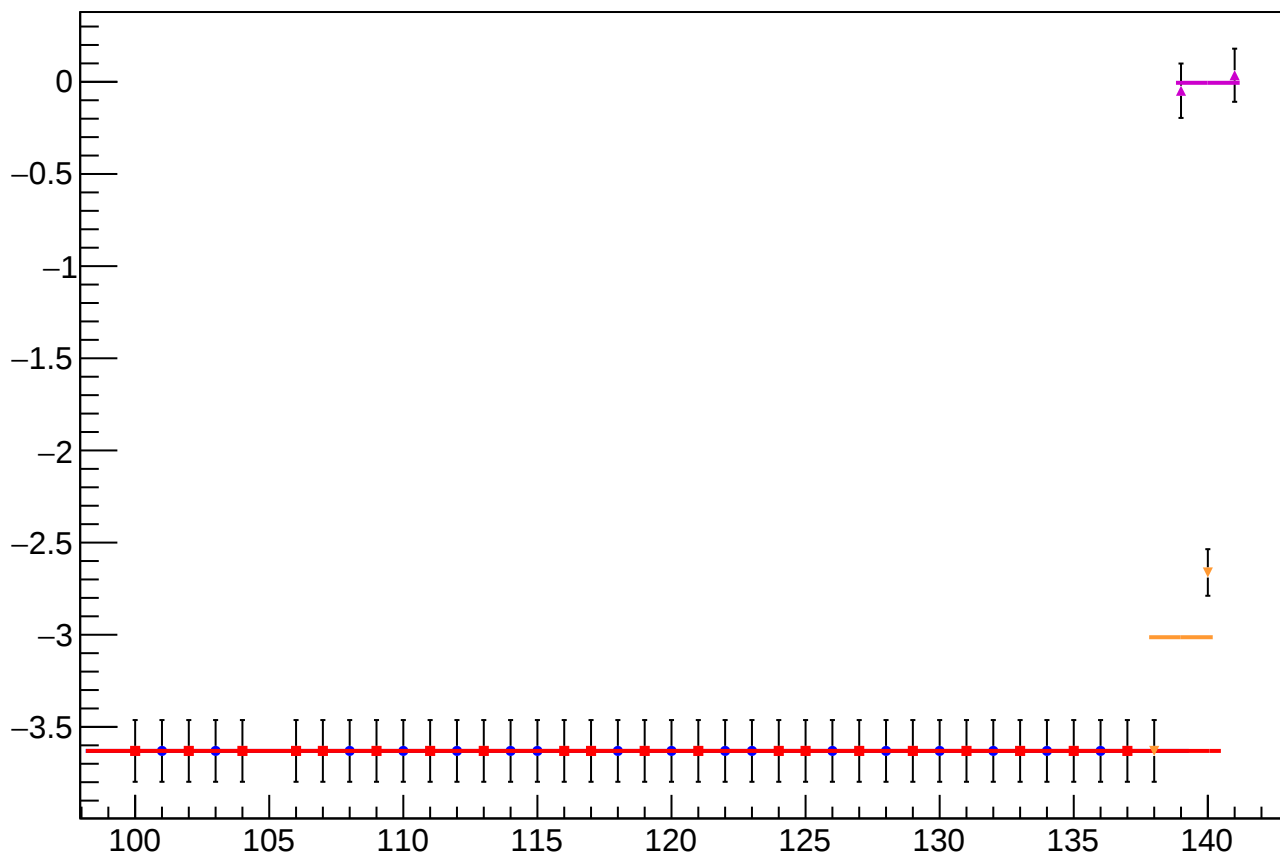
Right Out: -0.294 $\pm$ 0.004 χ^2 /NDF: 0.0/19

Left In: -0.269 $\pm$ 0.012 χ^2 /NDF:4.1/1

-0.289 $\pm$ 0.004 χ^2 /NDF: 23.9/18

-0.291 $\pm$ 0.004 χ^2 /NDF: 7.8/21

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -3.630 ± 0.041 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -3.013 ± 0.101 $\chi^2/\text{NDF}: 21.3/1$

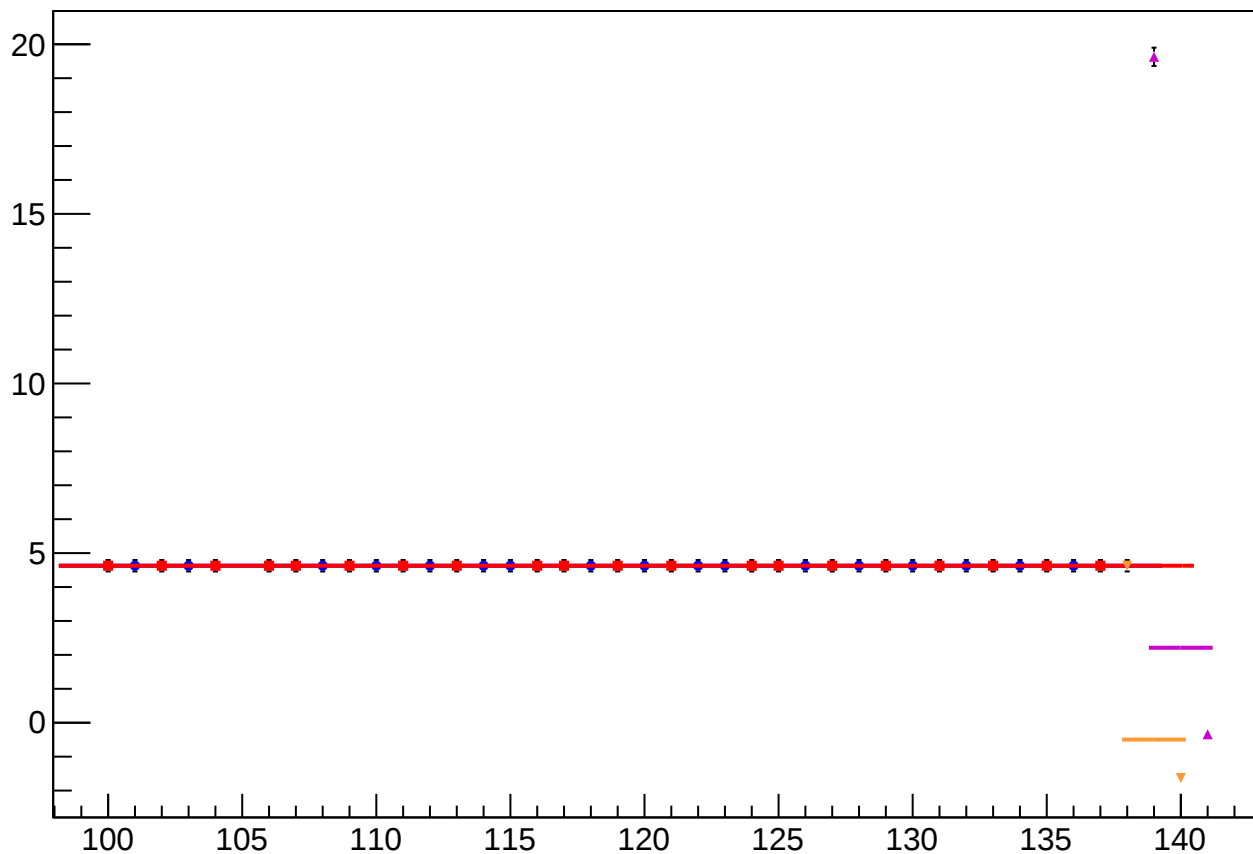
Right Out: -3.630 ± 0.037 $\chi^2/\text{NDF}: 0.0/19$

Left In: -0.005 ± 0.103 $\chi^2/\text{NDF}: 0.2/1$

-3.544 ± 0.038 $\chi^2/\text{NDF}: 53.4/18$

-3.208 ± 0.035 $\chi^2/\text{NDF}: 1091.8/21$

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 4.628 $\pm$ 0.041 χ^2 /NDF: 0.0/16

Left Out: -0.496 $\pm$ 0.072 χ^2 /NDF: 1121.3/1

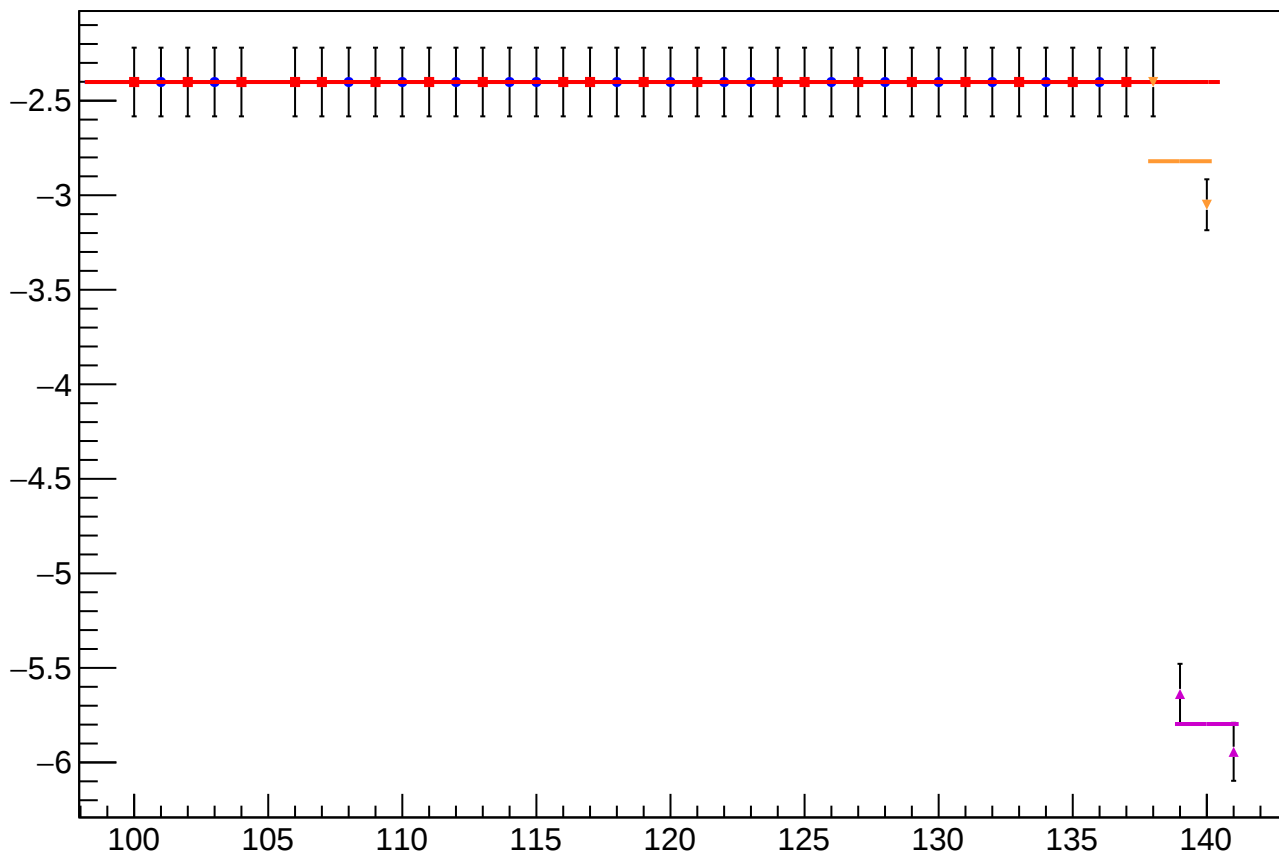
Right Out: 4.628 $\pm$ 0.038 χ^2 /NDF: 0.0/19

Left In: 2.211 $\pm$ 0.096 χ^2 /NDF: 4807.2/1

3.374 $\pm$ 0.036 χ^2 /NDF: 4940.0/18

4.304 $\pm$ 0.035 χ^2 /NDF: 5354.6/21

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.401 ± 0.044 χ^2/NDF : 0.0/16

Left Out: -2.820 ± 0.108 χ^2/NDF : 8.2/1

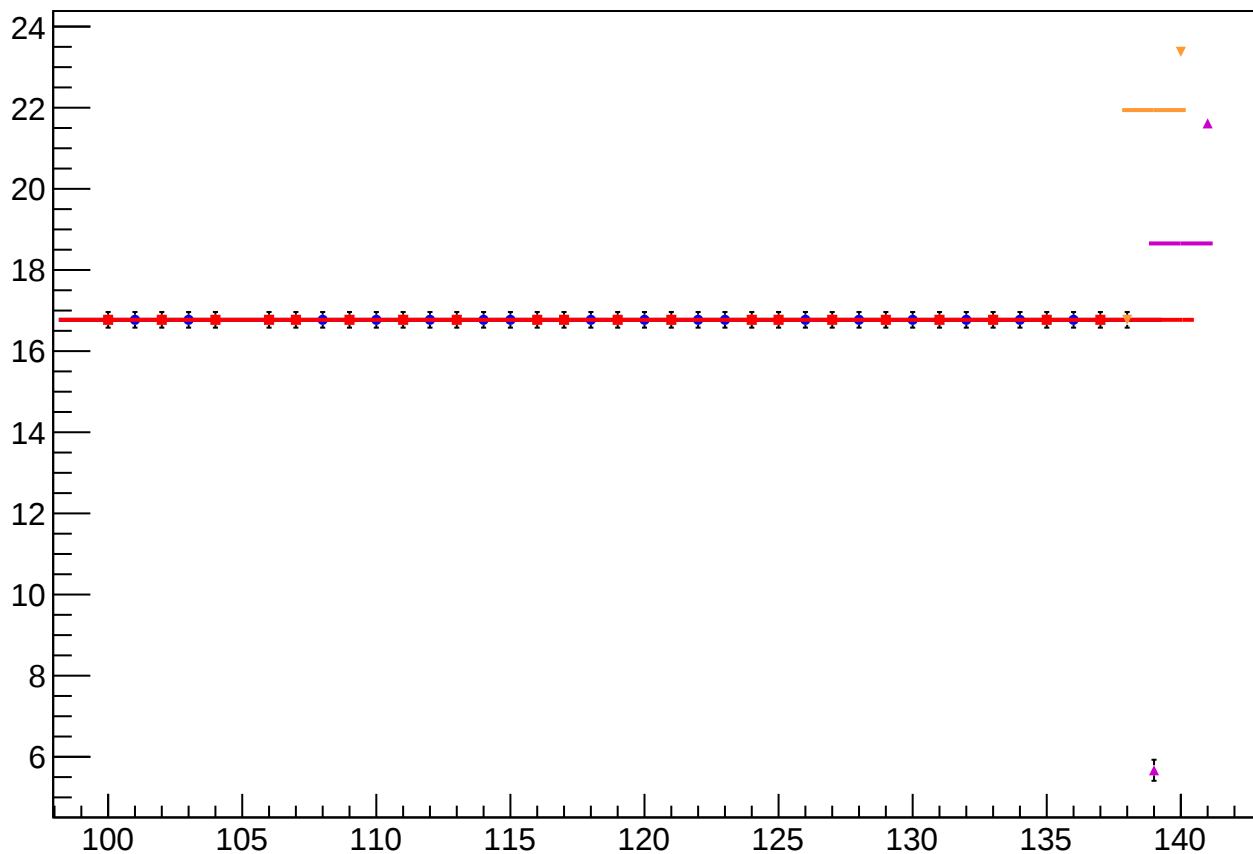
Right Out: -2.401 ± 0.041 χ^2/NDF : 0.0/19

Left In: -5.797 ± 0.110 χ^2/NDF : 1.9/1

-2.461 ± 0.041 χ^2/NDF : 21.1/18

-2.805 ± 0.038 χ^2/NDF : 834.0/21

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 16.771 $\pm$ 0.047 χ^2 /NDF: 0.0/16

Left Out: 21.941 $\pm$ 0.090 χ^2 /NDF:915.7/1

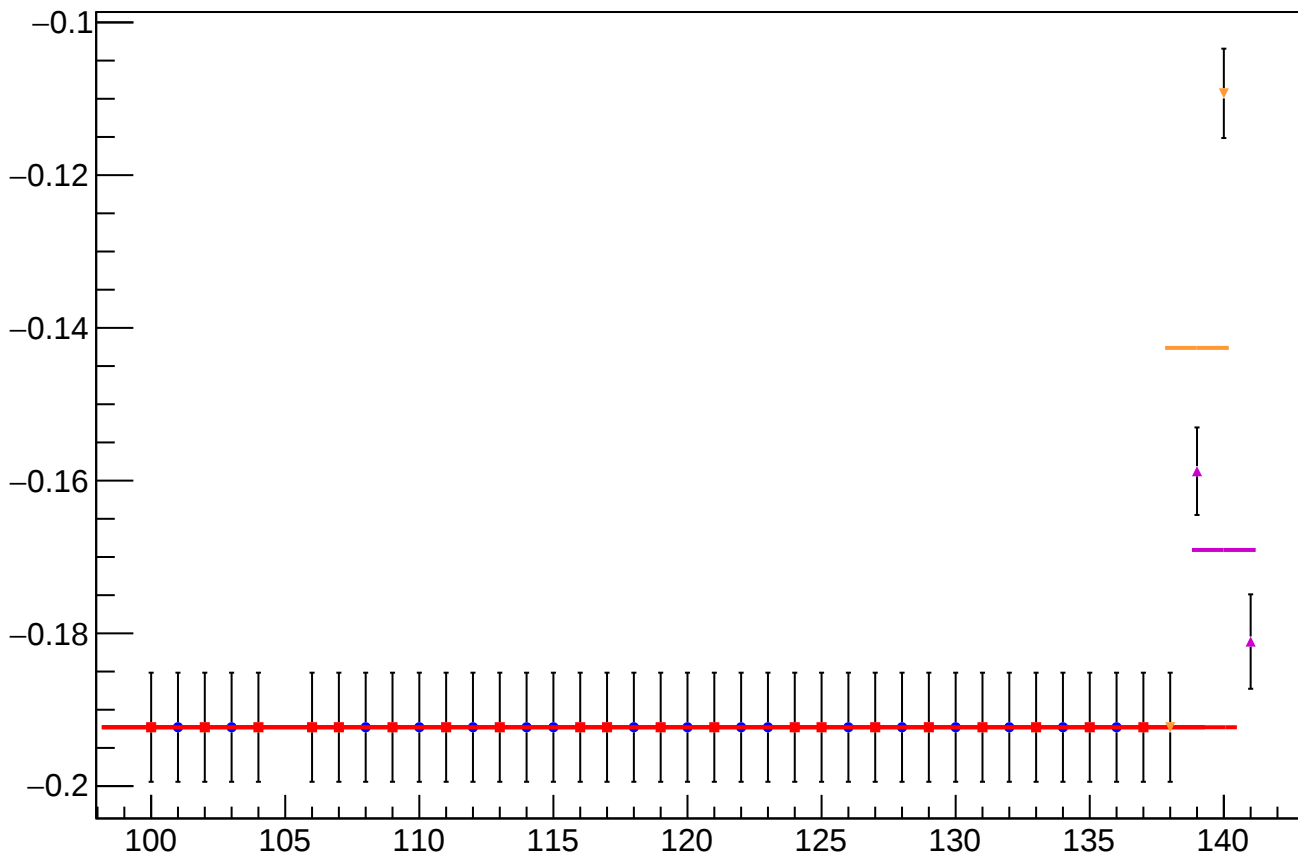
Right Out: 16.771 $\pm$ 0.043 χ^2 /NDF: 0.0/19

Left In: 18.654 $\pm$ 0.112 χ^2 /NDF:3079.9/1

17.872 $\pm$ 0.042 χ^2 /NDF: 3509.7/18

17.016 $\pm$ 0.040 χ^2 /NDF: 3327.0/21

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.192 ± 0.002 χ^2/NDF : 0.0/16

Left Out: -0.143 ± 0.005 χ^2/NDF : 80.8/1

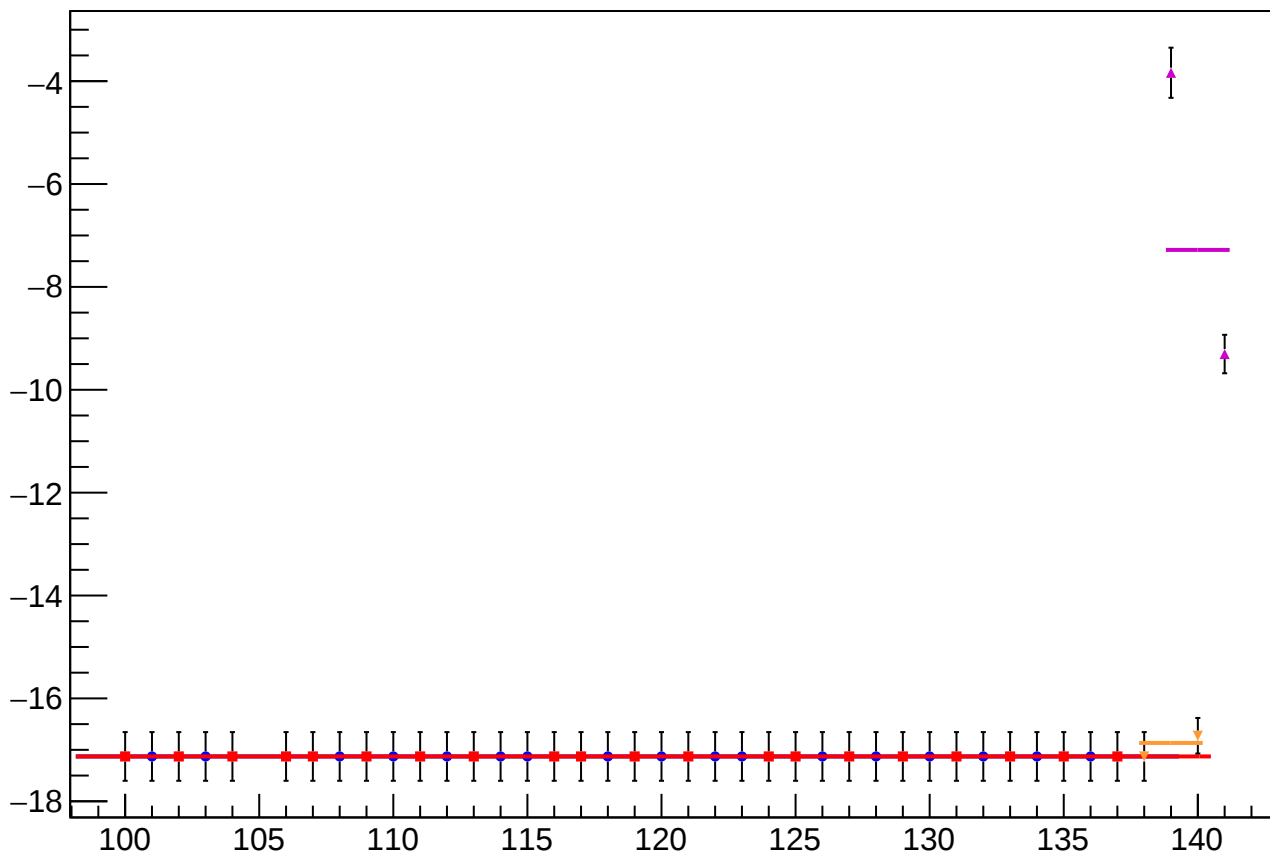
Right Out: -0.192 ± 0.002 χ^2/NDF : 0.0/19

Left In: -0.169 ± 0.004 χ^2/NDF : 7.0/1

-0.186 ± 0.002 χ^2/NDF : 185.9/18

-0.189 ± 0.001 χ^2/NDF : 33.7/21

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -17.128 ± 0.115 χ^2/NDF : 0.0/16

Left Out: -16.866 ± 0.279 χ^2/NDF : 0.5/1

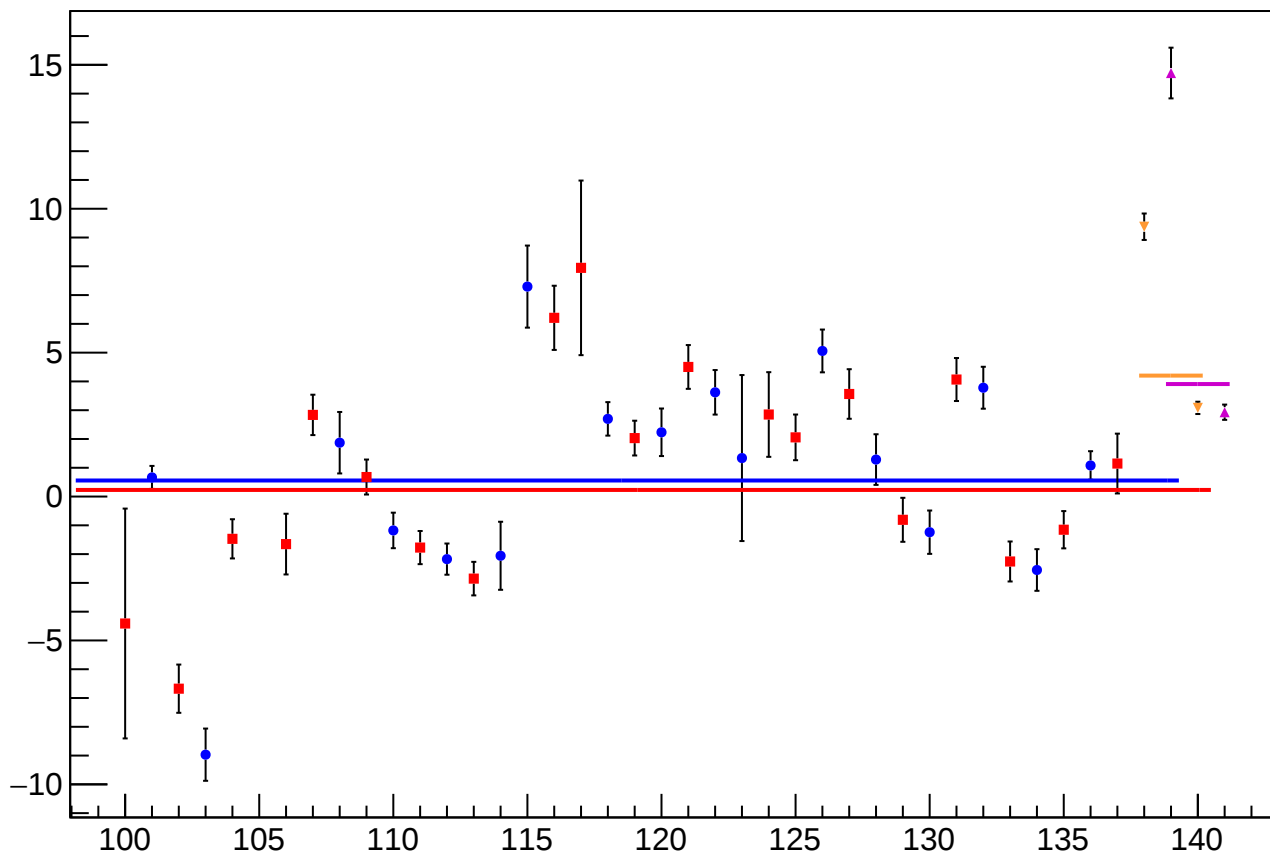
Right Out: -17.128 ± 0.106 χ^2/NDF : 0.0/19

Left In: -7.281 ± 0.297 χ^2/NDF : 79.2/1

-17.090 ± 0.106 χ^2/NDF : 1.2/18

-16.016 ± 0.100 χ^2/NDF : 1056.2/21

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 4.202 ± 0.194 χ^2/NDF : 154.2/1

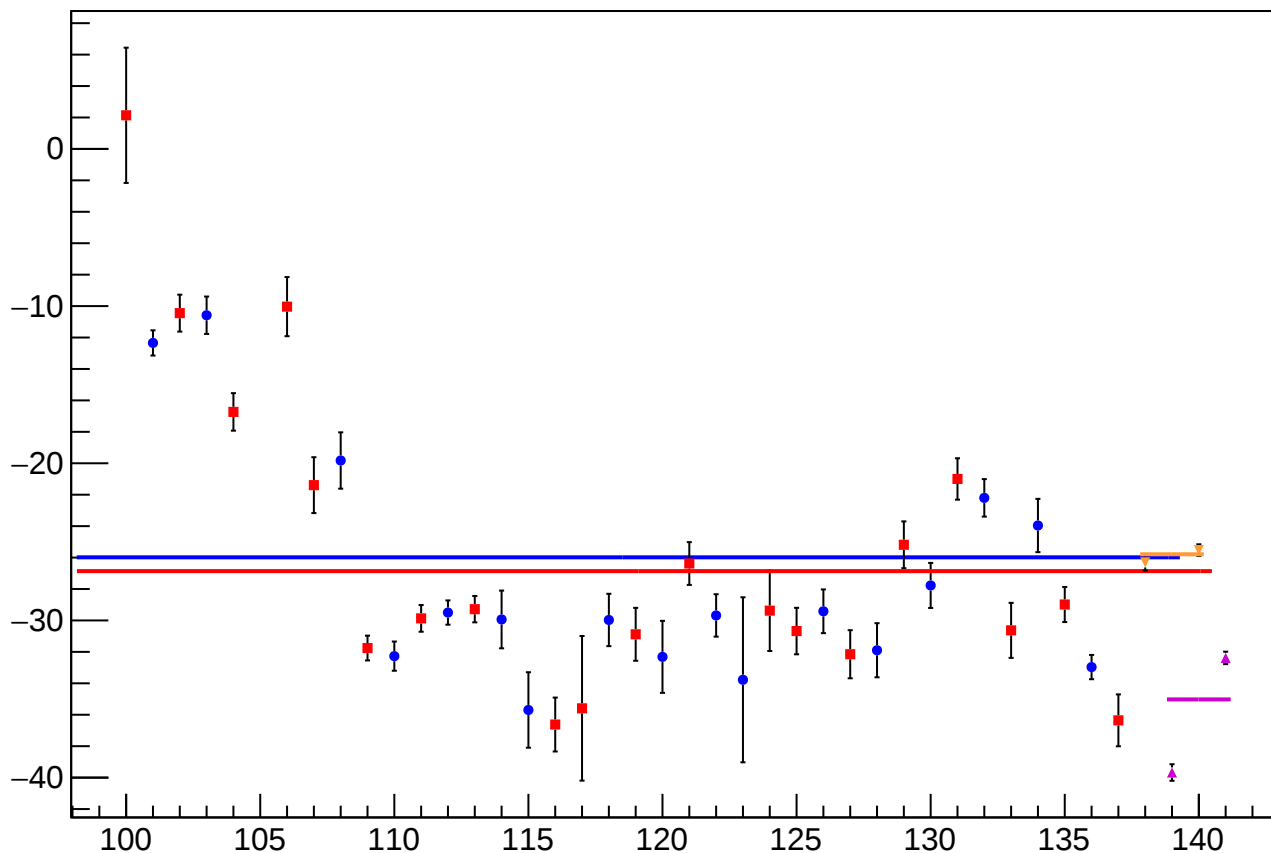
Right Out: 0.230 ± 0.174 χ^2/NDF : 278.5/19

Left In: 3.909 ± 0.254 χ^2/NDF : 164.0/1

2.143 ± 0.128 χ^2/NDF : 641.7/18

1.408 ± 0.144 χ^2/NDF : 585.3/21

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: -25.790 ± 0.299 $\chi^2/\text{NDF}: 1.5/1$

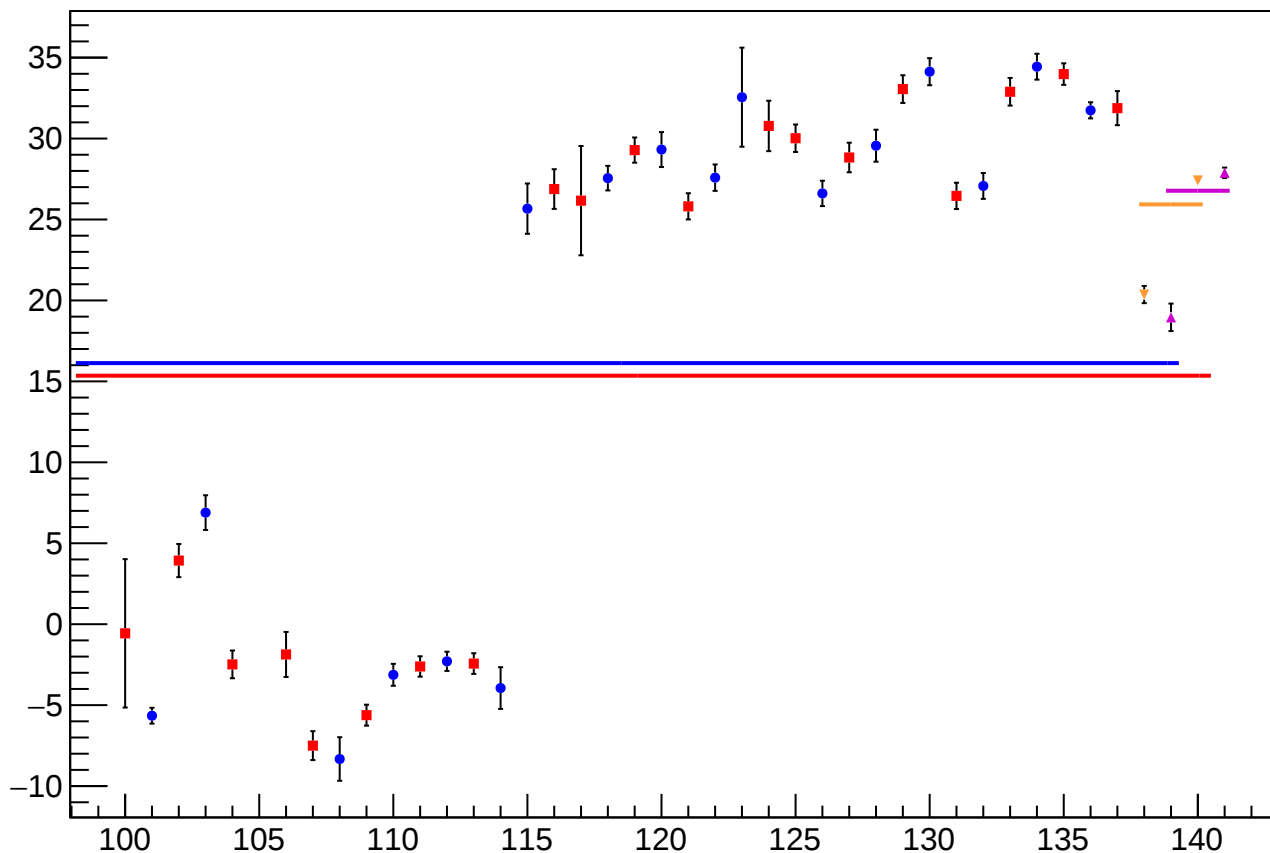
Right Out: -26.861 ± 0.297 $\chi^2/\text{NDF}: 585.2/19$

Left In: -35.023 ± 0.318 $\chi^2/\text{NDF}: 121.8/1$

-25.886 ± 0.212 $\chi^2/\text{NDF}: 693.2/18$

-30.670 ± 0.217 $\chi^2/\text{NDF}: 1059.3/21$

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: 25.933 $\pm$ 0.243 χ^2 /NDF:139.6/1

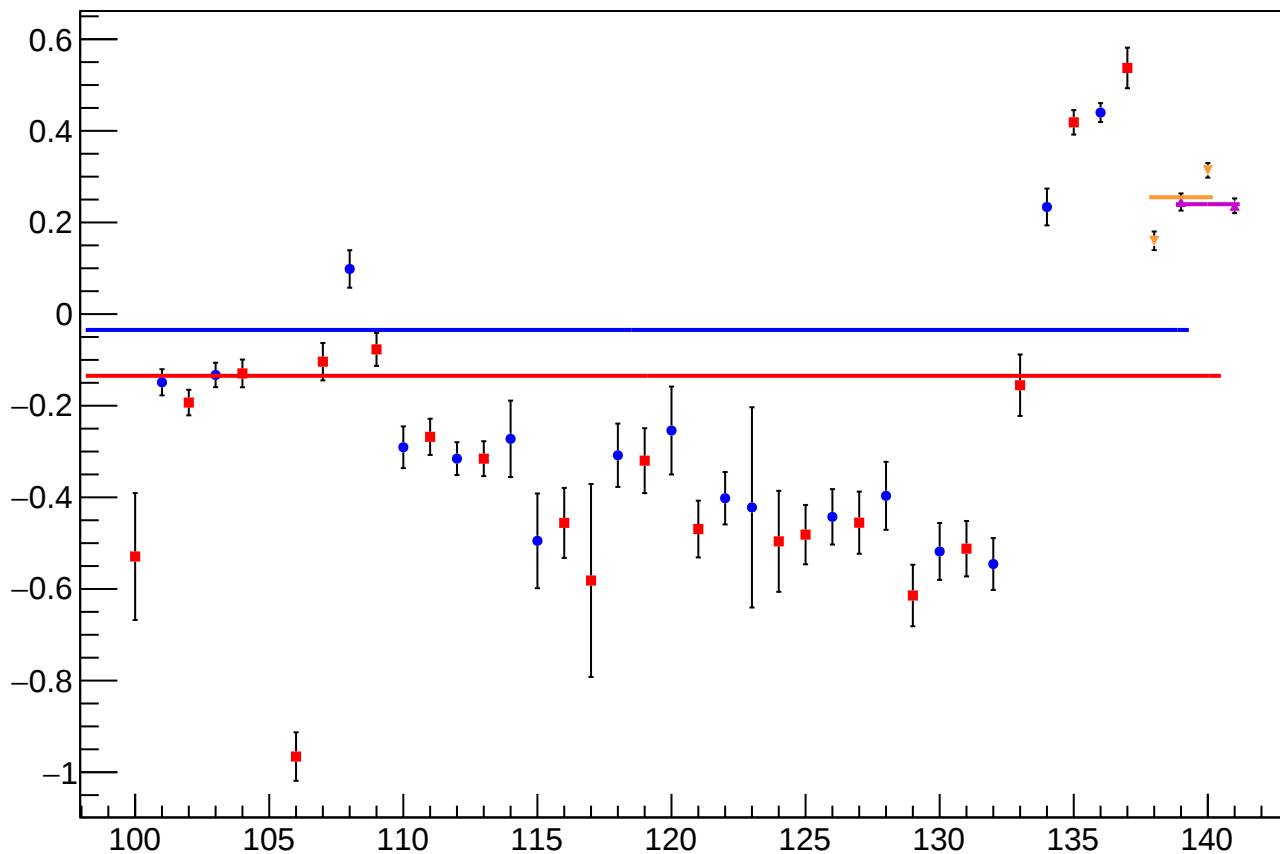
Right Out: 15.352 $\pm$ 0.197 χ^2 /NDF: 7288.4/19

Left In: 26.776 $\pm$ 0.299 χ^2 /NDF:97.0/1

19.897 $\pm$ 0.151 χ^2 /NDF: 8713.8/18

18.799 $\pm$ 0.164 χ^2 /NDF: 8403.5/21

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035±/0.010 χ^2/NDF : 1011.6/16

Left Out: 0.255±/0.013 χ^2/NDF : 35.4/1

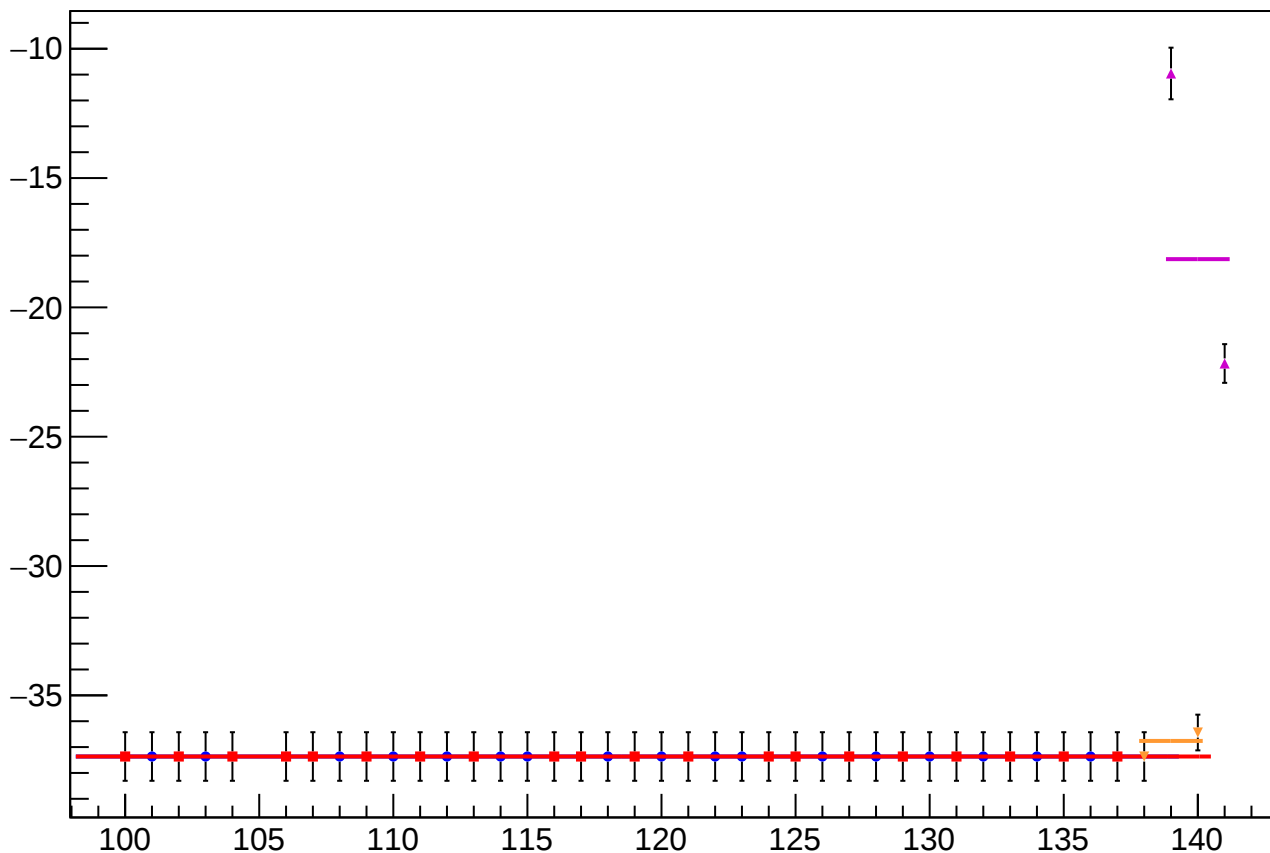
Right Out: -0.135±/0.010 χ^2/NDF : 1166.4/19

Left In: 0.240±/0.012 χ^2/NDF : 0.1/1

0.082±/0.008 χ^2/NDF : 1363.6/18

0.023±/0.008 χ^2/NDF : 1715.1/21

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -37.364 $\pm$ 0.228 χ^2 /NDF: 0.0/16

Left Out: -36.762 $\pm$ 0.556 χ^2 /NDF: 0.6/1

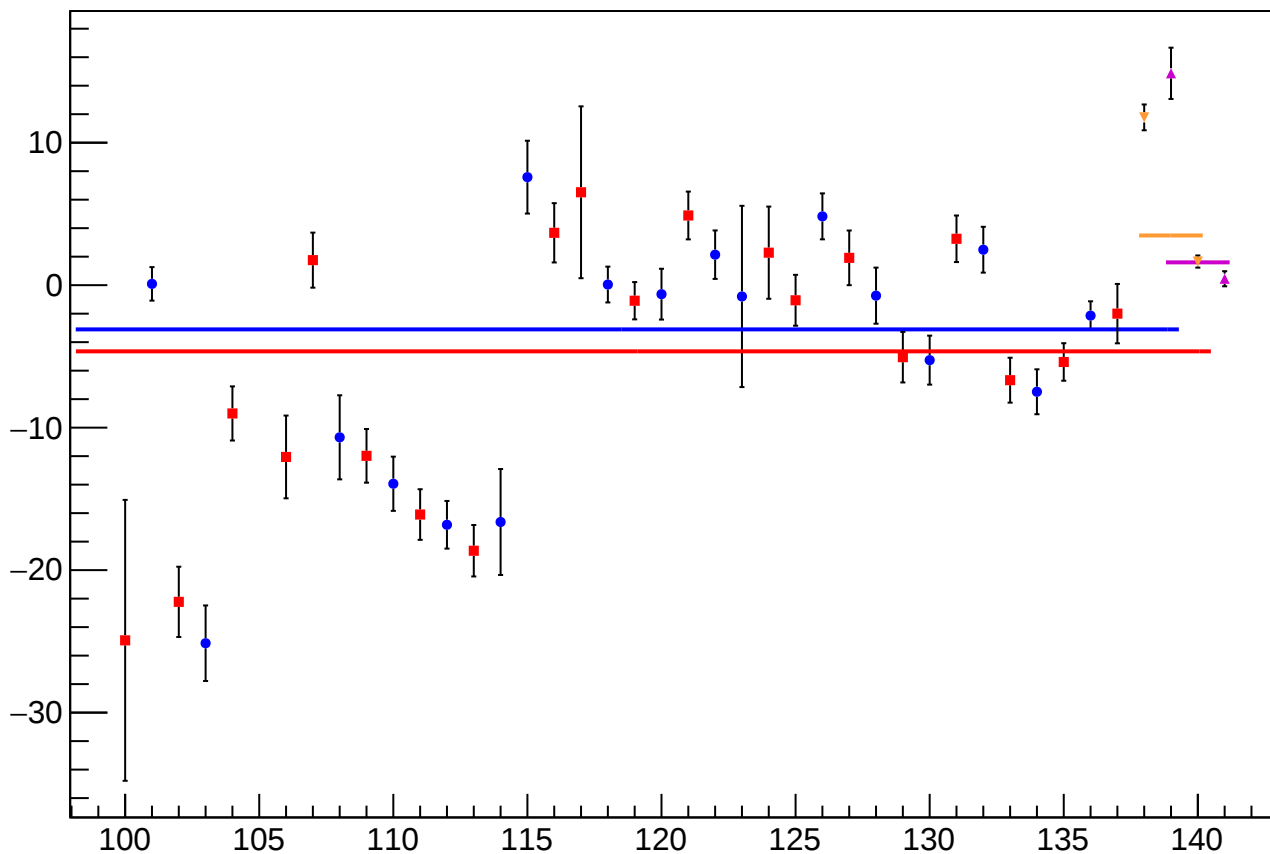
Right Out: -37.364 $\pm$ 0.210 χ^2 /NDF: 0.0/19

Left In: -18.135 $\pm$ 0.599 χ^2 /NDF: 80.8/1

-37.278 $\pm$ 0.211 χ^2 /NDF: 1.6/18

-35.258 $\pm$ 0.198 χ^2 /NDF: 999.4/21

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104+/-0.411 χ^2/NDF : 279.1/16

Left Out: 3.488+/-0.386 χ^2/NDF :102.0/1

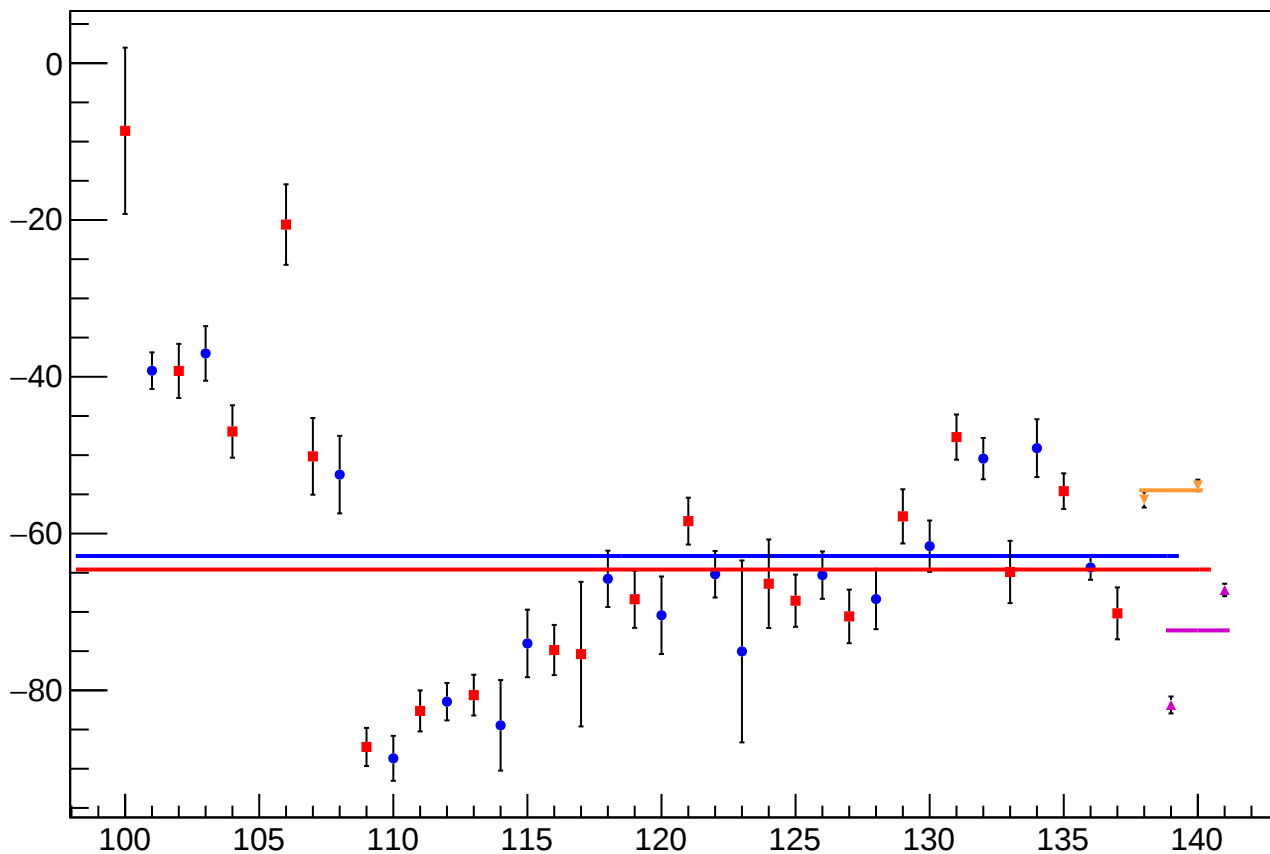
Right Out: -4.645+/-0.425 χ^2/NDF : 301.1/19

Left In: 1.601+/-0.509 χ^2/NDF :59.0/1

0.402+/-0.281 χ^2/NDF : 518.0/18

-2.074+/-0.326 χ^2/NDF : 448.9/21

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -54.481 ± 0.596 χ^2/NDF : 2.0/1

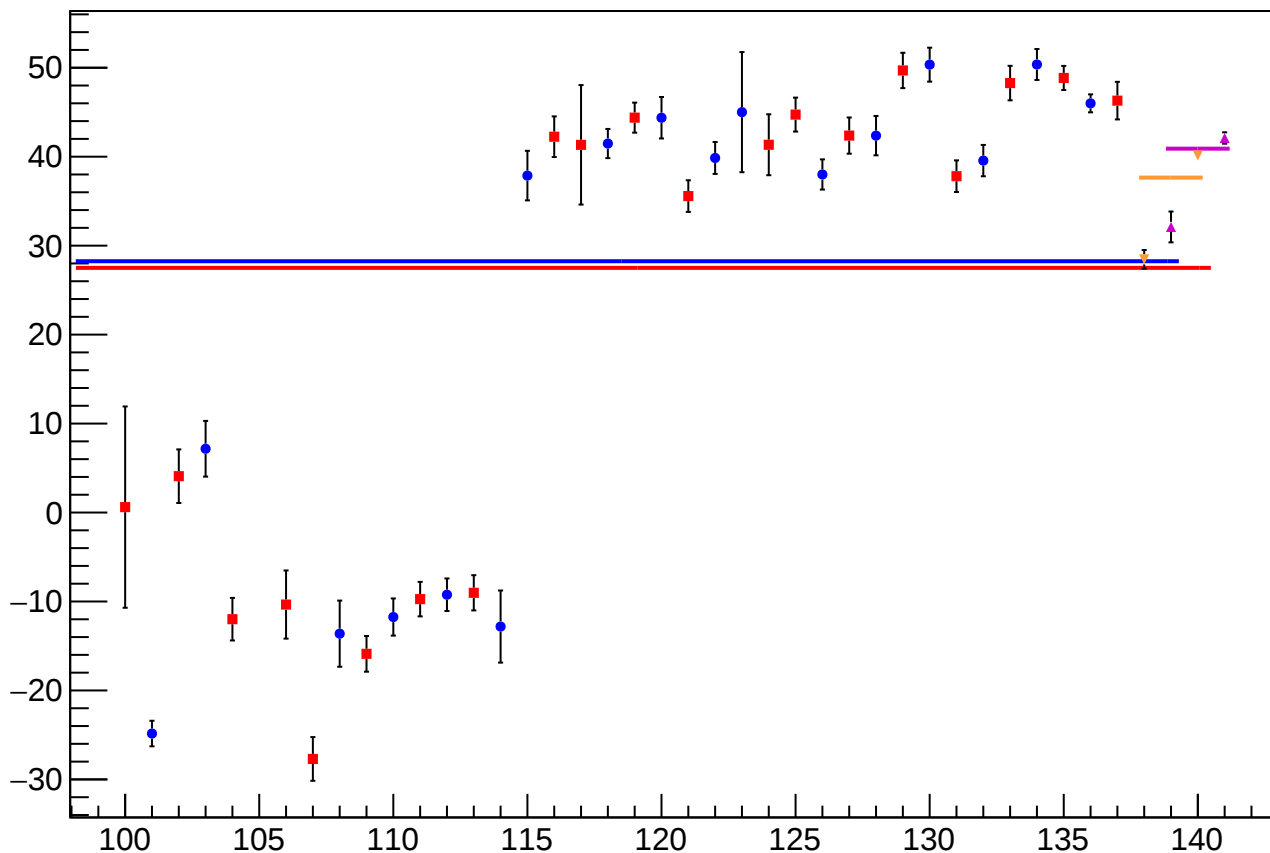
Right Out: -64.588 ± 0.749 χ^2/NDF : 445.6/19

Left In: -72.355 ± 0.641 χ^2/NDF : 119.5/1

-57.774 ± 0.464 χ^2/NDF : 448.5/18

-69.075 ± 0.487 χ^2/NDF : 627.2/21

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: 37.651 $\pm$ 0.483 χ^2 /NDF:97.6/1

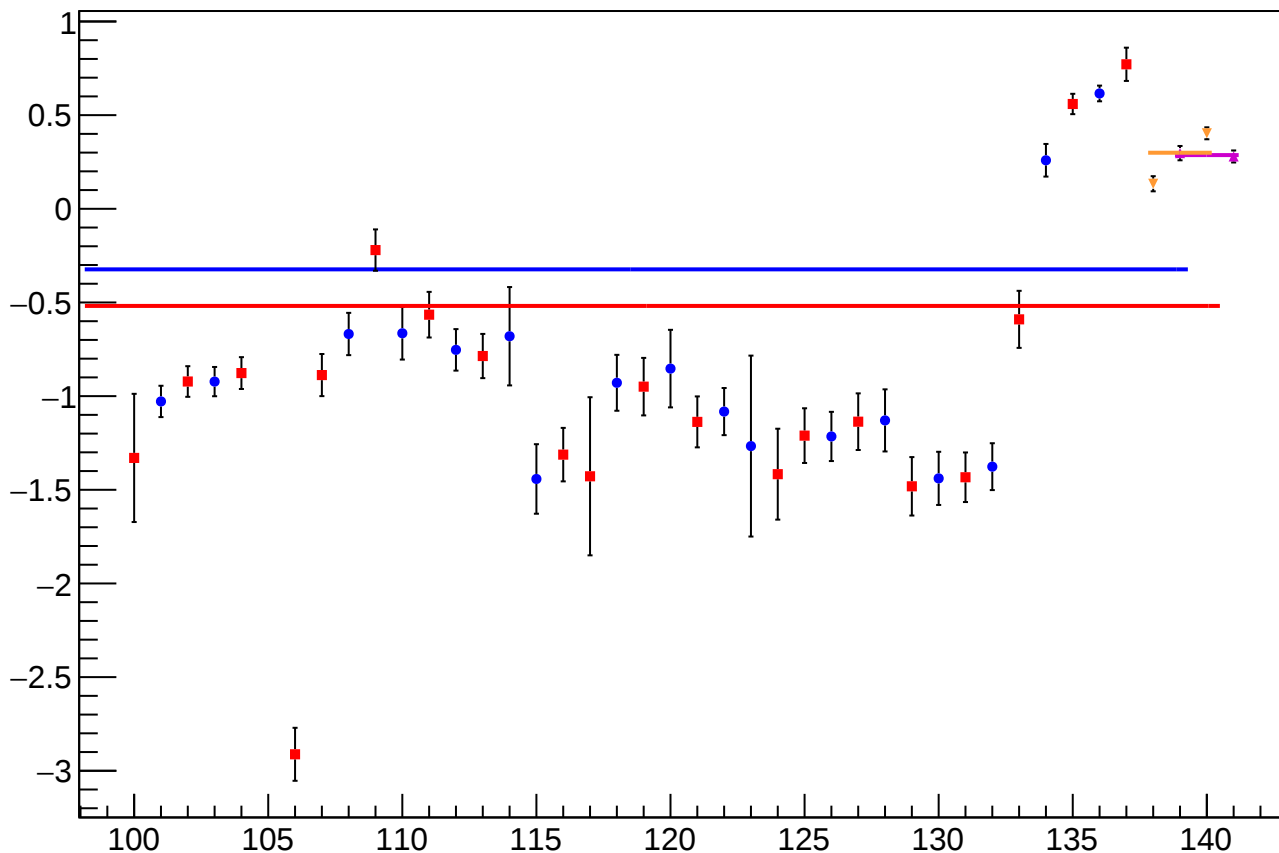
Right Out: 27.505 $\pm$ 0.478 χ^2 /NDF: 3036.7/19

Left In: 40.903 $\pm$ 0.600 χ^2 /NDF:29.3/1

32.718 $\pm$ 0.333 χ^2 /NDF: 3615.5/18

32.701 $\pm$ 0.374 χ^2 /NDF: 3371.2/21

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323+/-0.025 χ^2/NDF : 1010.8/16

Left Out: 0.299+/-0.025 χ^2/NDF : 27.3/1

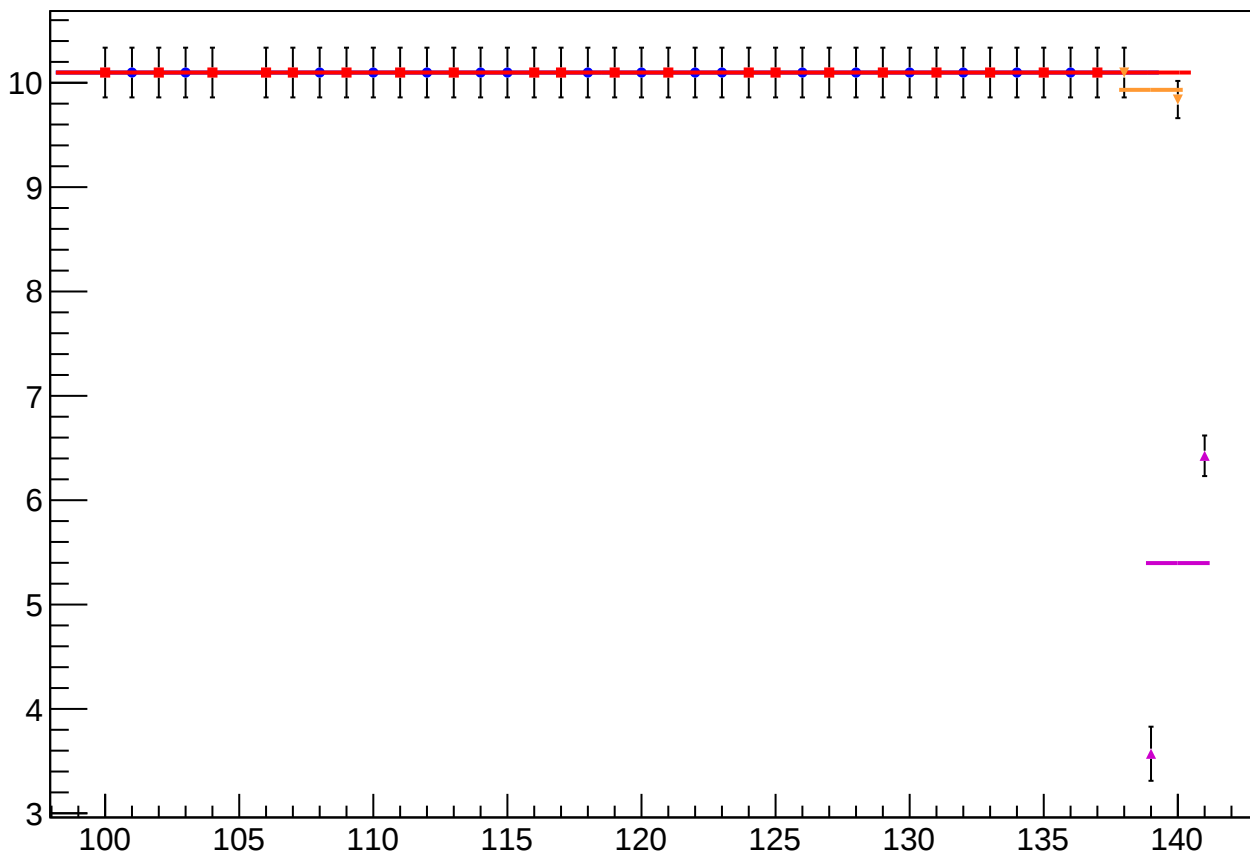
Right Out: -0.518+/-0.026 χ^2/NDF : 1165.5/19

Left In: 0.287+/-0.025 χ^2/NDF : 0.1/1

-0.014+/-0.018 χ^2/NDF : 1347.7/18

-0.098+/-0.018 χ^2/NDF : 1677.6/21

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 10.098 $\pm$ 0.058 χ^2 /NDF: 0.0/16

Left Out: 9.932 $\pm$ 0.143 χ^2 /NDF:0.8/1

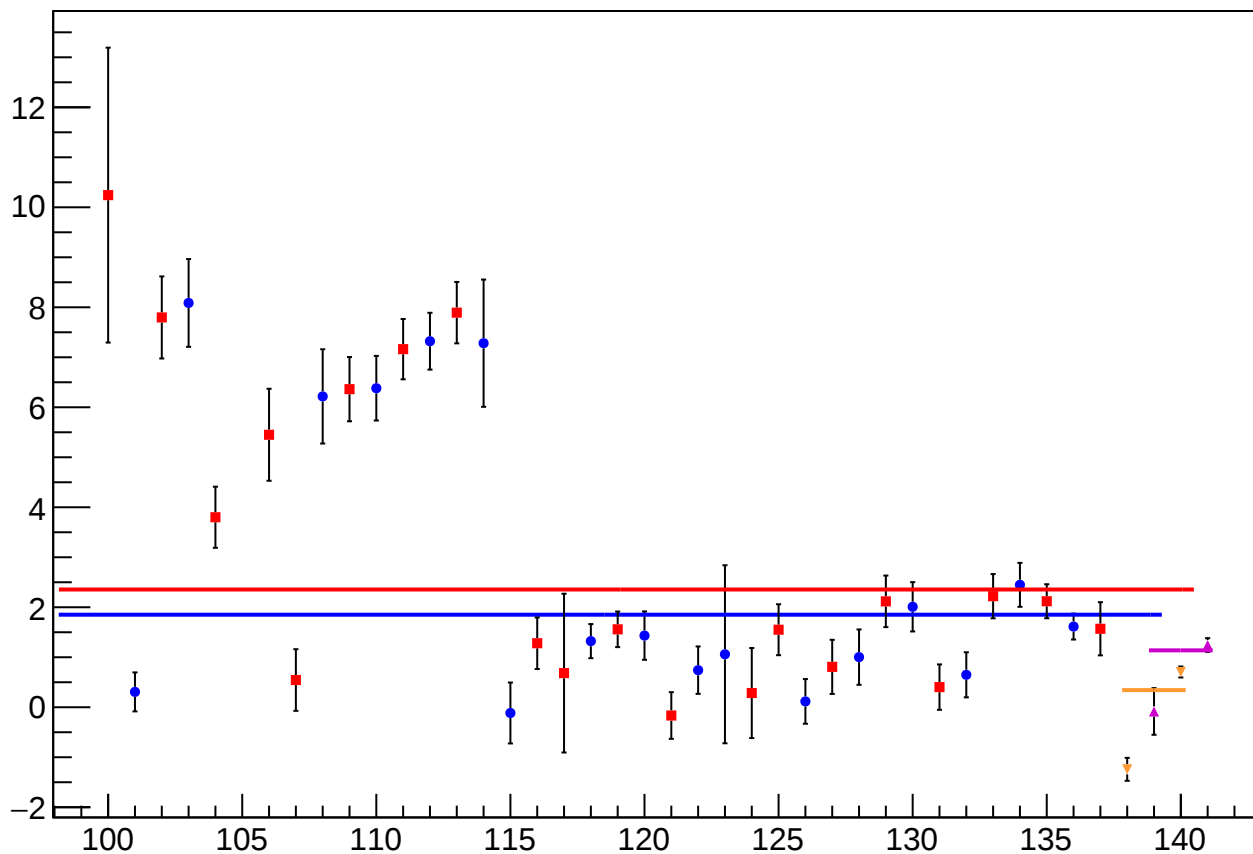
Right Out: 10.098 $\pm$ 0.053 χ^2 /NDF: 0.0/19

Left In: 5.398 $\pm$ 0.156 χ^2 /NDF:77.6/1

10.075 $\pm$ 0.054 χ^2 /NDF: 1.9/18

9.604 $\pm$ 0.050 χ^2 /NDF: 895.0/21

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 0.343 ± 0.099 χ^2/NDF : 58.5/1

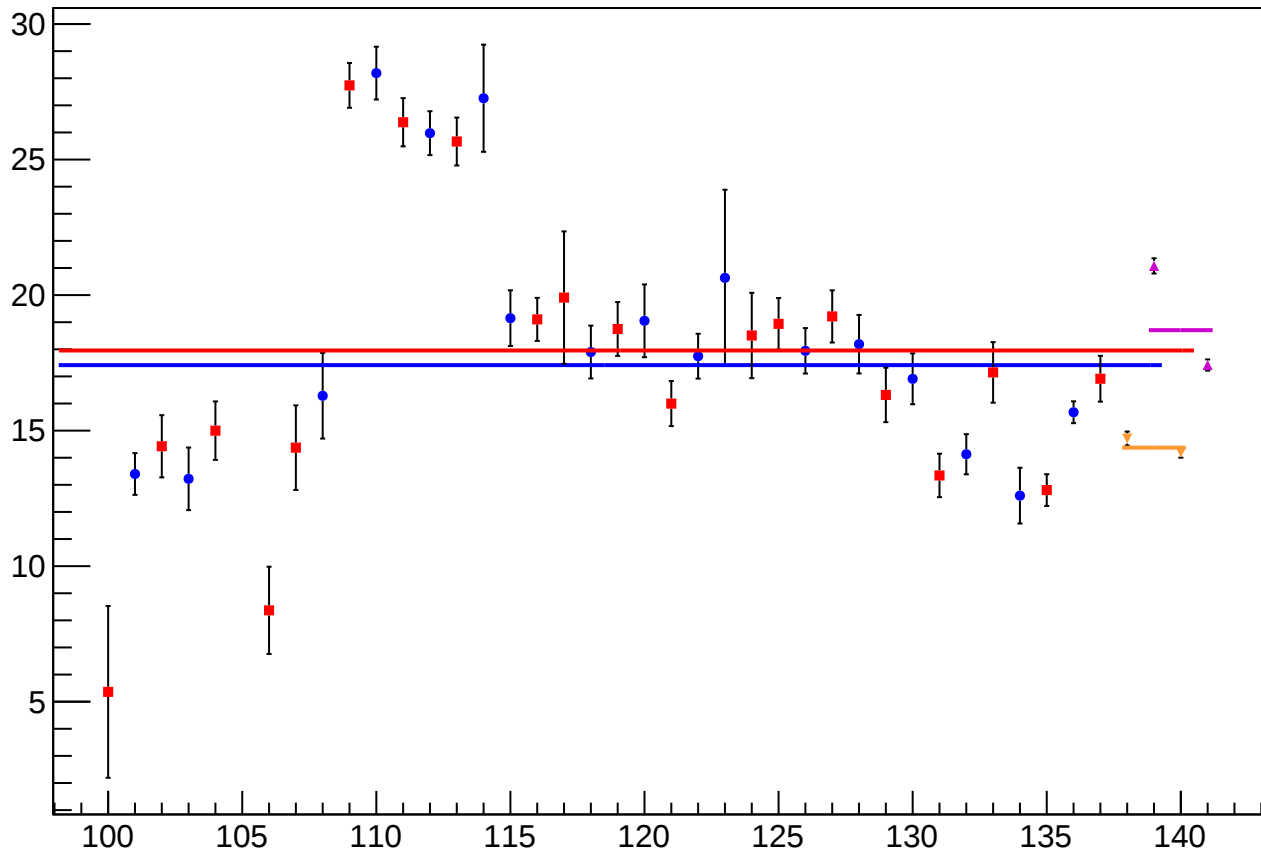
Right Out: 2.355 ± 0.122 χ^2/NDF : 337.4/19

Left In: 1.138 ± 0.132 χ^2/NDF : 7.5/1

0.972 ± 0.076 χ^2/NDF : 449.2/18

1.794 ± 0.090 χ^2/NDF : 390.6/21

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 14.373 $\pm$ 0.153 χ^2 /NDF: 2.6/1

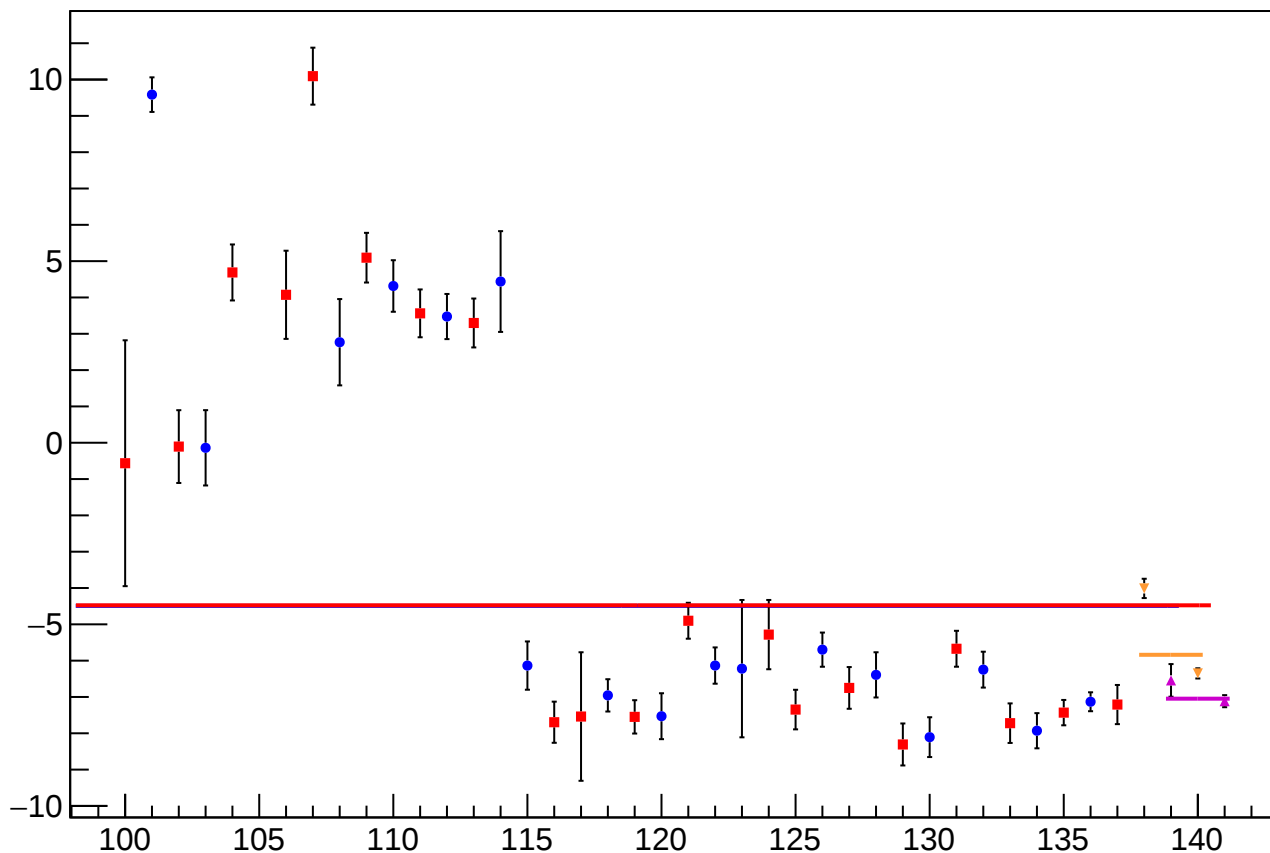
Right Out: 17.957 $\pm$ 0.218 χ^2 /NDF: 506.2/19

Left In: 18.706 $\pm$ 0.166 χ^2 /NDF: 110.1/1

15.411 $\pm$ 0.124 χ^2 /NDF: 504.7/18

18.431 $\pm$ 0.132 χ^2 /NDF: 623.8/21

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: -5.839 ± 0.124 χ^2/NDF : 60.6/1

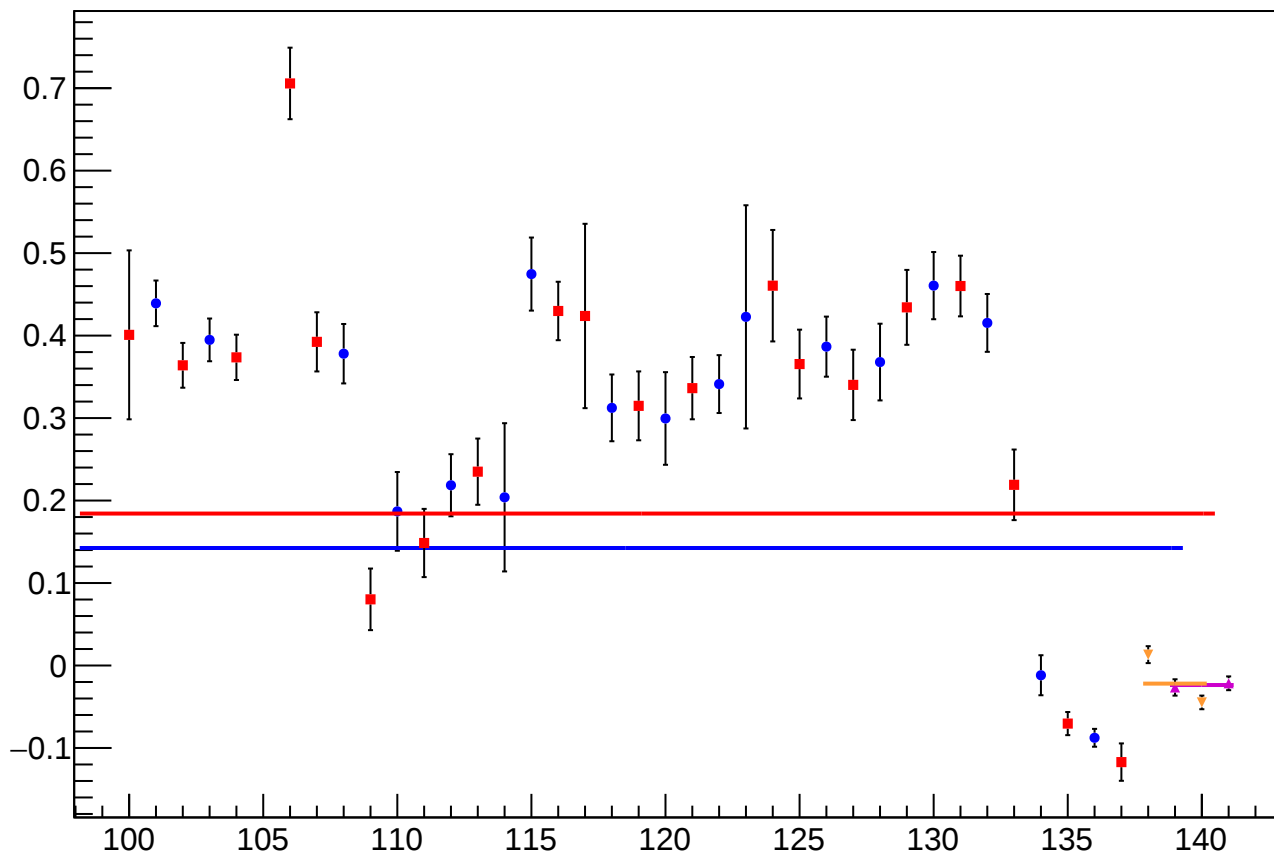
Right Out: -4.476 ± 0.137 χ^2/NDF : 1342.0/19

Left In: -7.047 ± 0.156 χ^2/NDF : 1.4/1

-5.198 ± 0.090 χ^2/NDF : 1701.9/18

-5.593 ± 0.103 χ^2/NDF : 1497.2/21

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: -0.022 ± 0.006 χ^2/NDF : 19.3/1

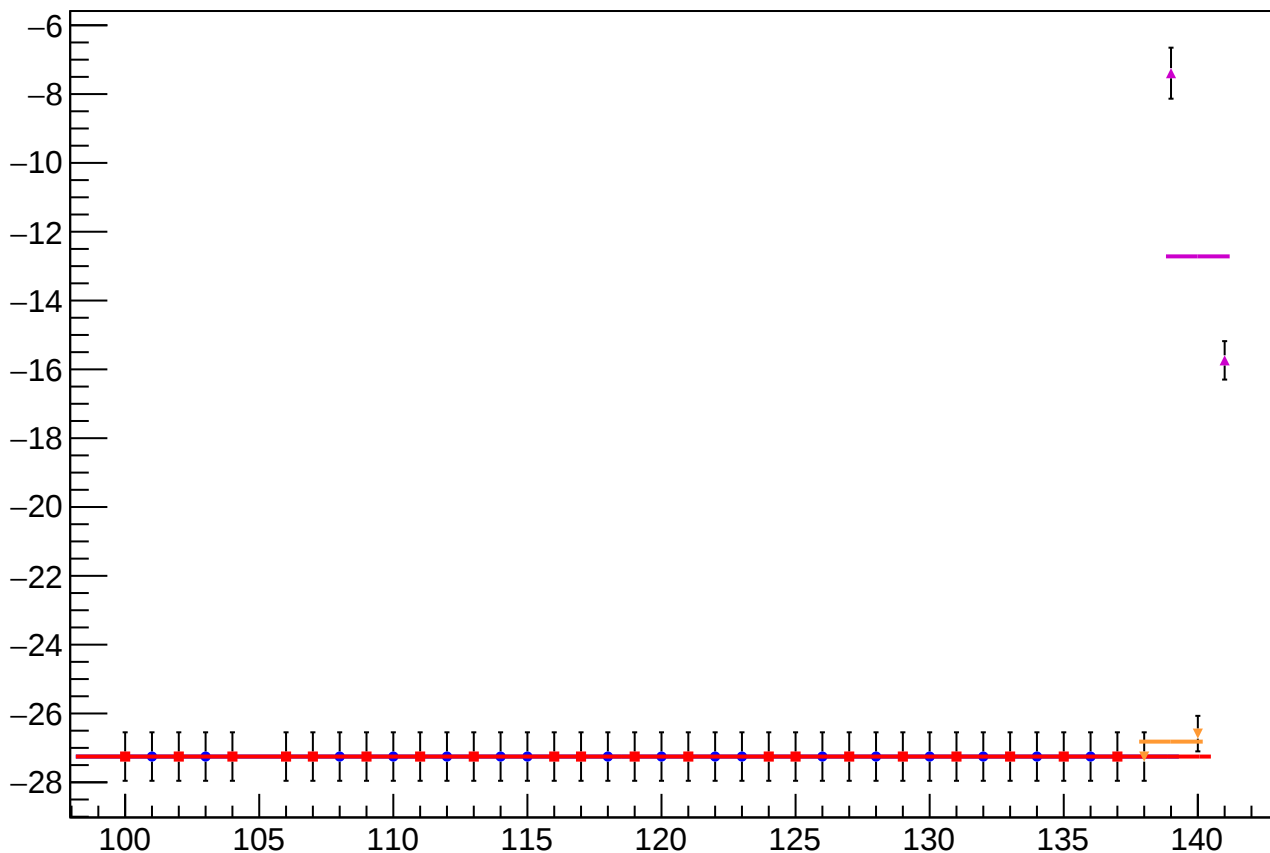
Right Out: 0.184 ± 0.007 χ^2/NDF : 1005.5/19

Left In: -0.024 ± 0.006 χ^2/NDF : 0.2/1

0.053 ± 0.005 χ^2/NDF : 1373.6/18

0.065 ± 0.005 χ^2/NDF : 1458.4/21

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -27.252 $\pm$ 0.171 χ^2 /NDF: 0.0/16

Left Out: -26.818 $\pm$ 0.416 χ^2 /NDF: 0.6/1

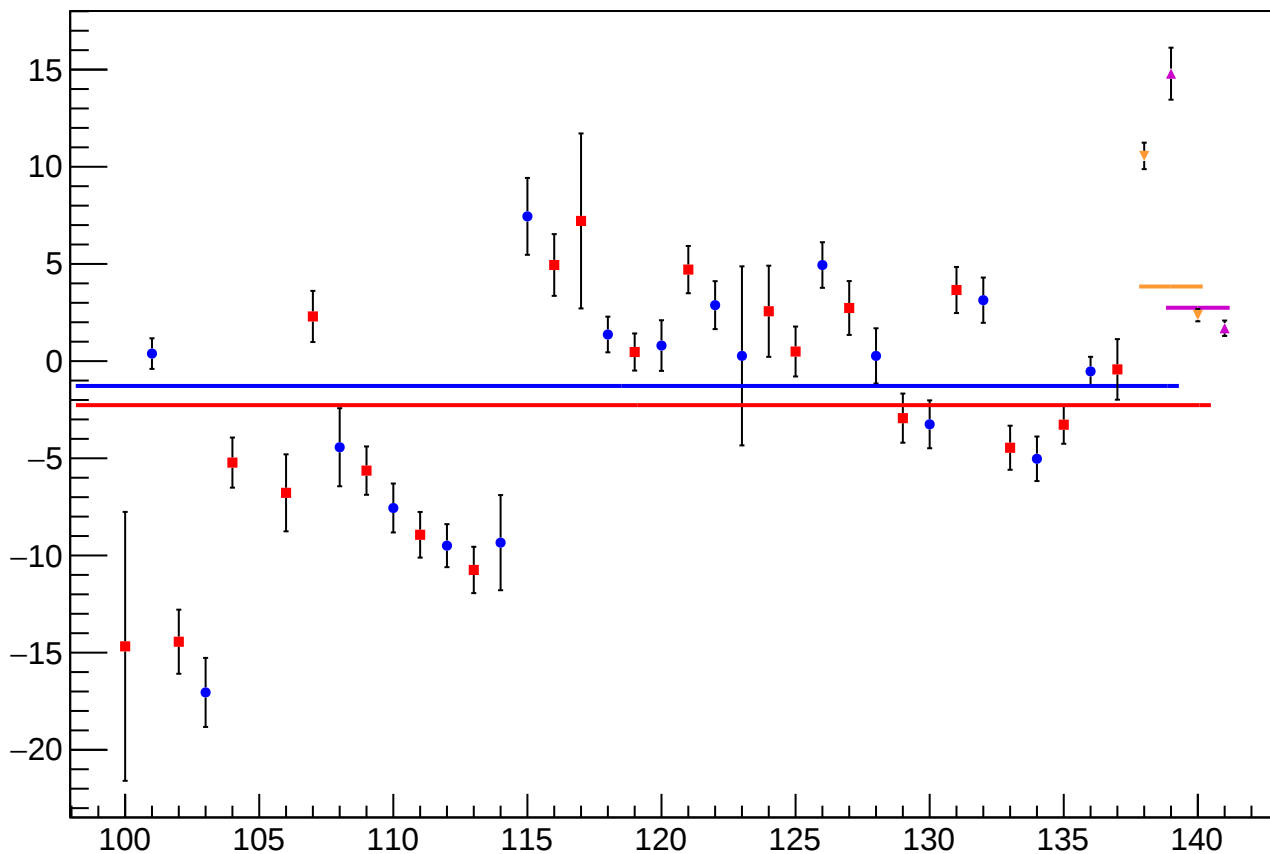
Right Out: -27.252 $\pm$ 0.158 χ^2 /NDF: 0.0/19

Left In: -12.717 $\pm$ 0.446 χ^2 /NDF: 80.8/1

-27.189 $\pm$ 0.158 χ^2 /NDF: 1.5/18

-25.641 $\pm$ 0.149 χ^2 /NDF: 1024.4/21

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278+/-0.292 χ^2/NDF : 276.5/16

1.313+/-0.205 χ^2/NDF : 550.3/18

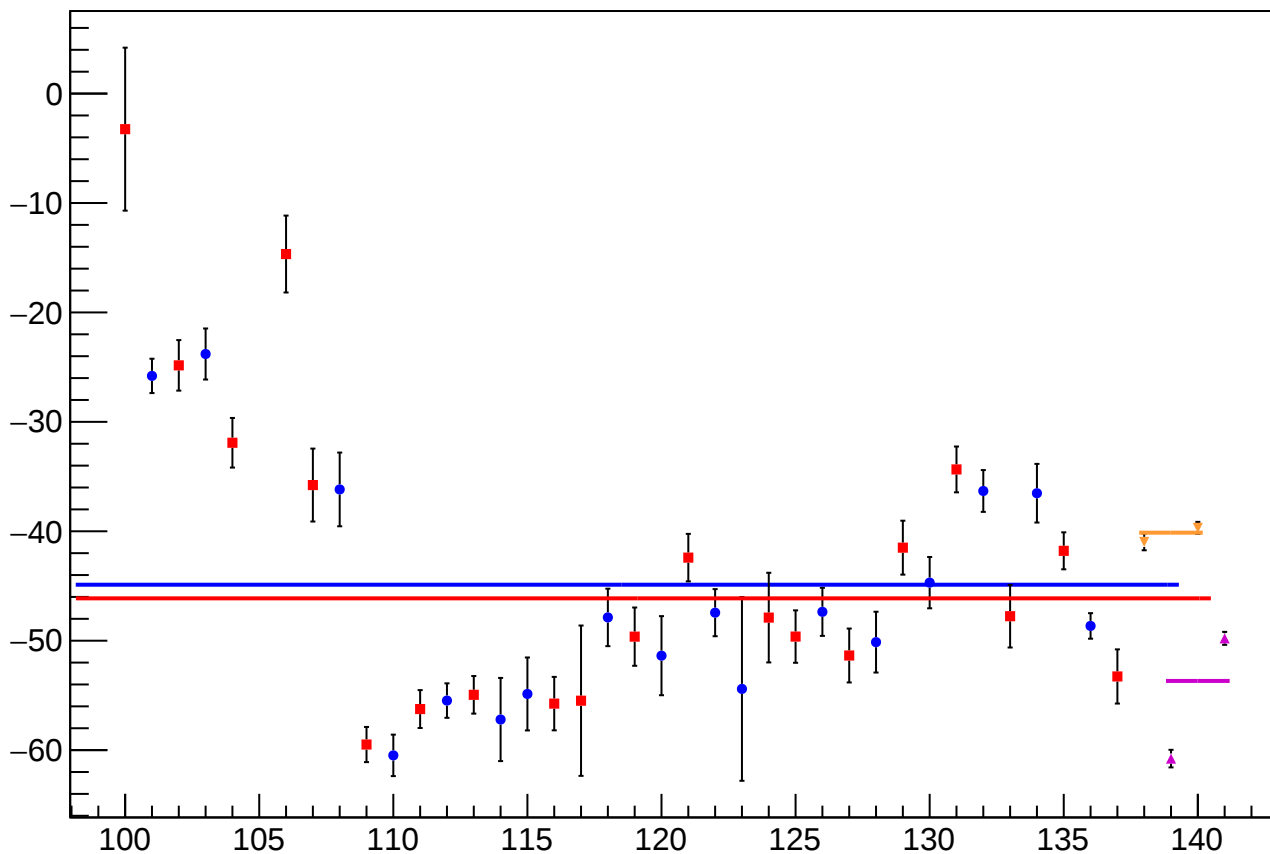
Left Out: 3.839+/-0.289 χ^2/NDF :118.7/1

Right Out: -2.266+/-0.302 χ^2/NDF : 289.8/19

-0.326+/-0.236 χ^2/NDF : 484.7/21

Left In: 2.746+/-0.380 χ^2/NDF :88.1/1

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: -40.128 ± 0.446 $\chi^2/\text{NDF}: 1.9/1$

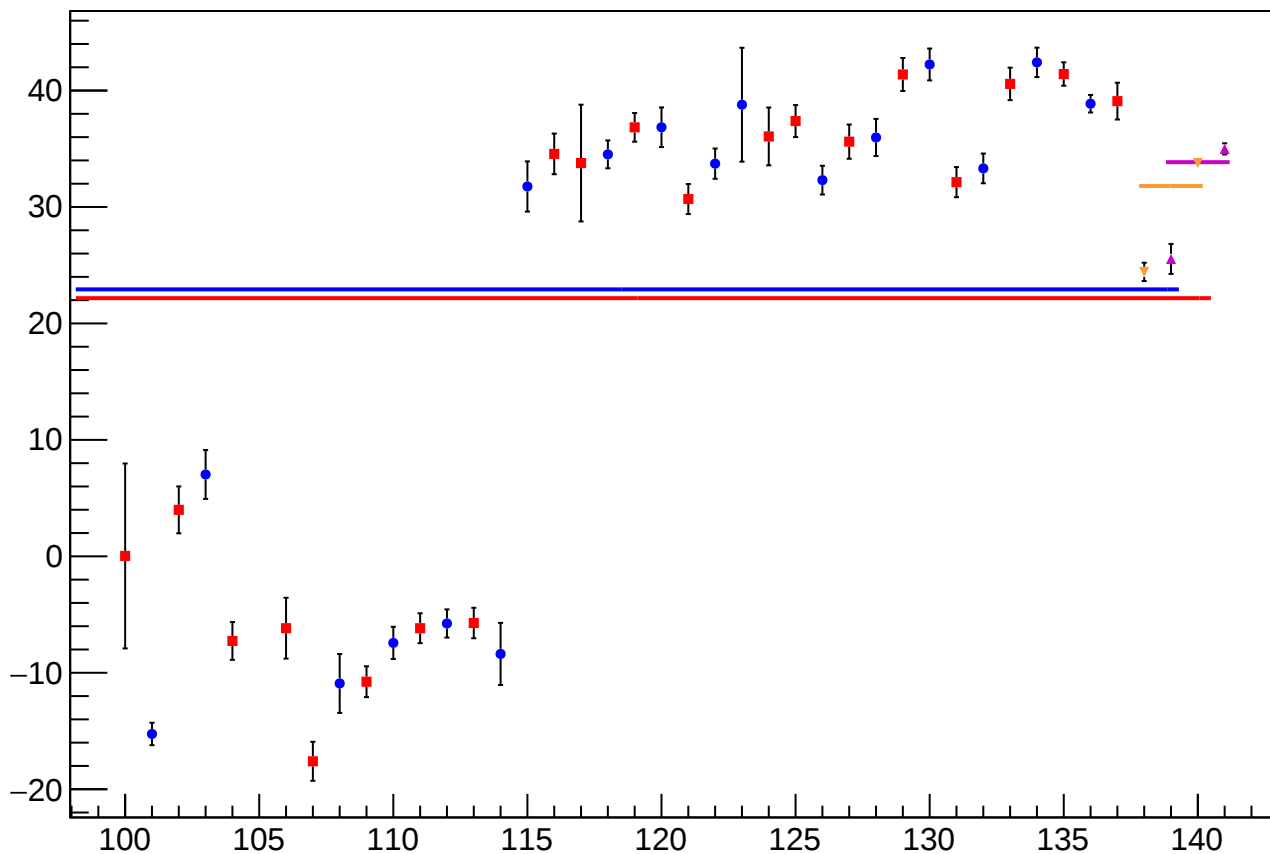
Right Out: -46.130 ± 0.527 $\chi^2/\text{NDF}: 456.1/19$

Left In: -53.676 ± 0.477 $\chi^2/\text{NDF}: 121.1/1$

-42.123 ± 0.340 $\chi^2/\text{NDF}: 470.6/18$

-50.275 ± 0.354 $\chi^2/\text{NDF}: 689.9/21$

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: 31.801 $\pm$ 0.362 χ^2 /NDF:111.3/1

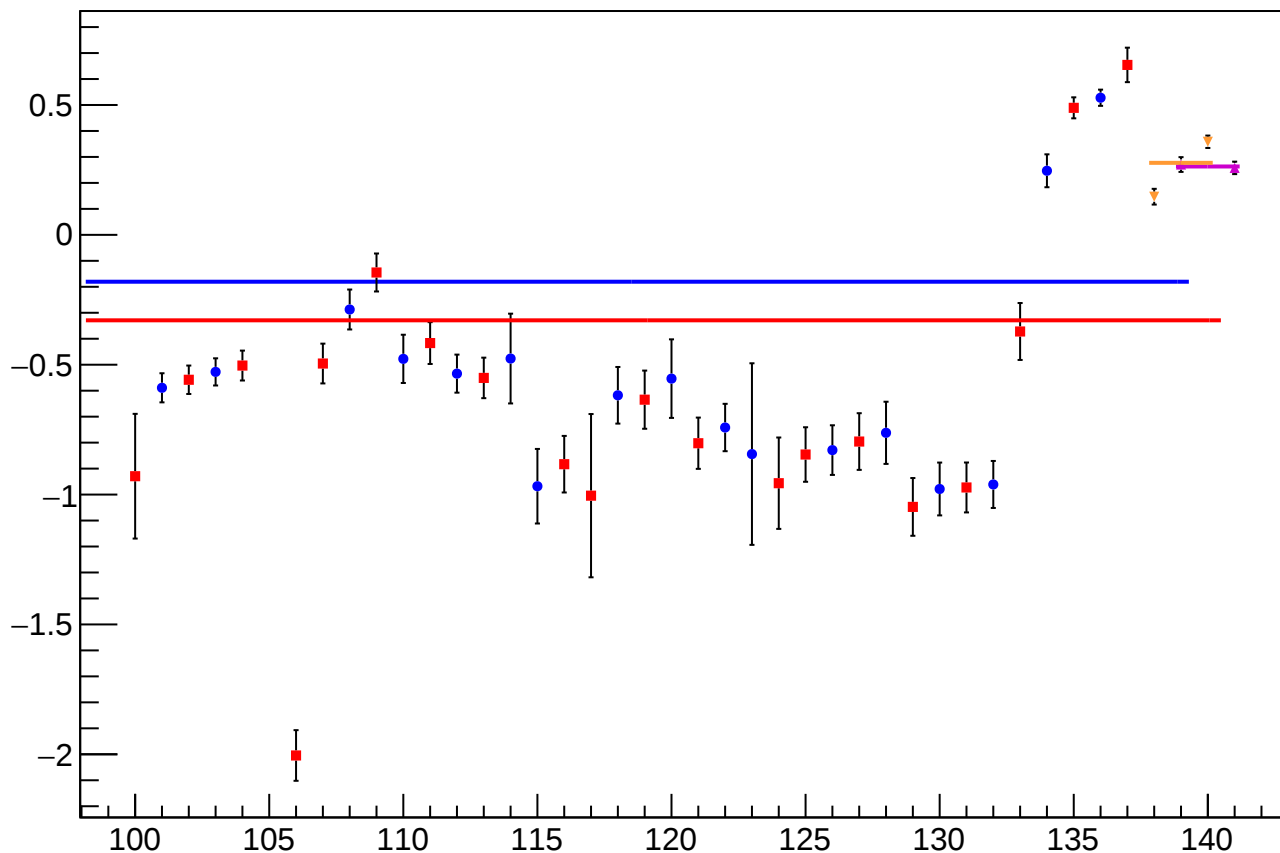
Right Out: 22.170 $\pm$ 0.339 χ^2 /NDF: 4038.8/19

Left In: 33.849 $\pm$ 0.448 χ^2 /NDF:47.3/1

26.929 $\pm$ 0.243 χ^2 /NDF: 4771.6/18

26.429 $\pm$ 0.270 χ^2 /NDF: 4518.4/21

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180+/-0.018 χ^2 /NDF: 995.7/16

Left Out: 0.277+/-0.019 χ^2 /NDF:30.0/1

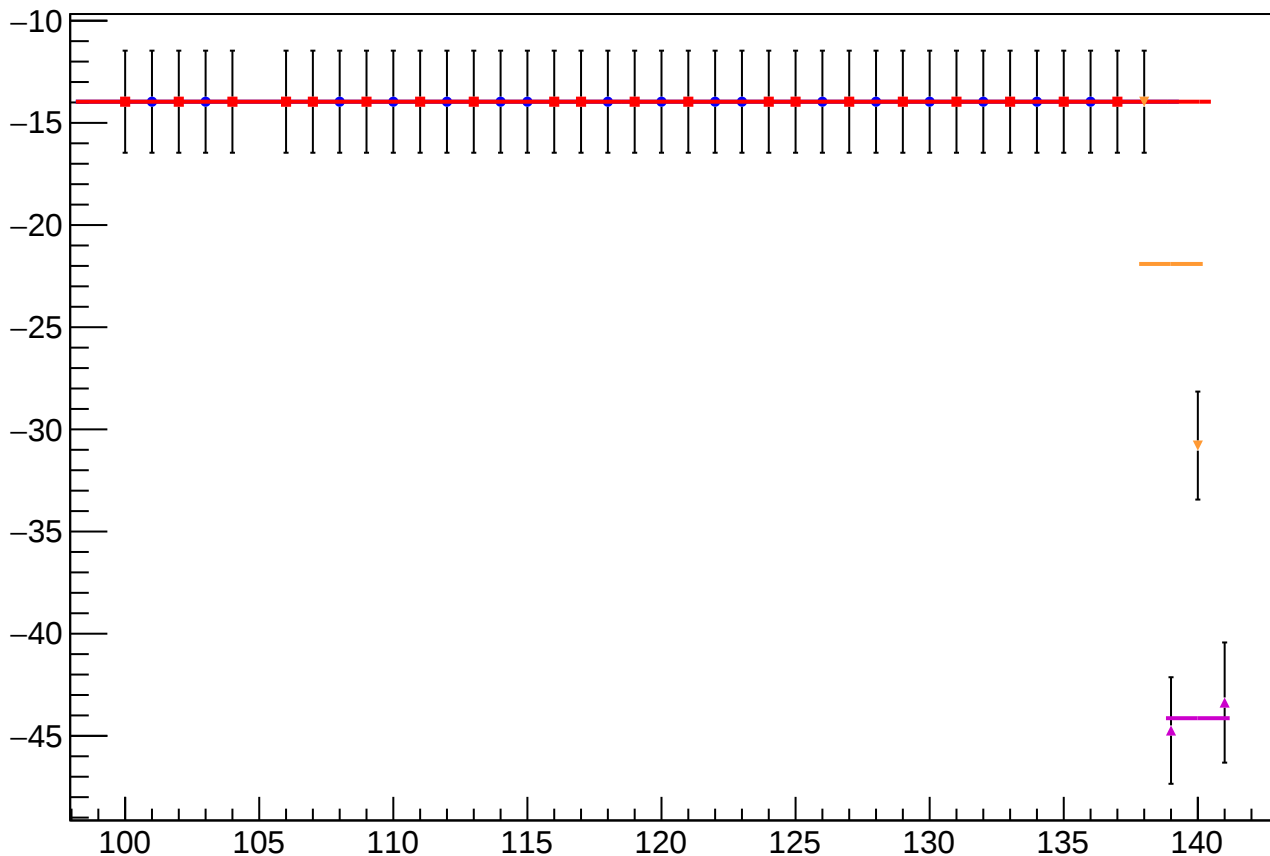
Right Out: -0.329+/-0.018 χ^2 /NDF: 1180.2/19

Left In: 0.263+/-0.018 χ^2 /NDF:0.1/1

0.036+/-0.013 χ^2 /NDF: 1339.4/18

-0.036+/-0.013 χ^2 /NDF: 1707.0/21

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -13.963 $\pm$ 0.606 χ^2 /NDF: 0.0/16

Left Out: -21.904 $\pm$ 1.815 χ^2 /NDF:21.4/1

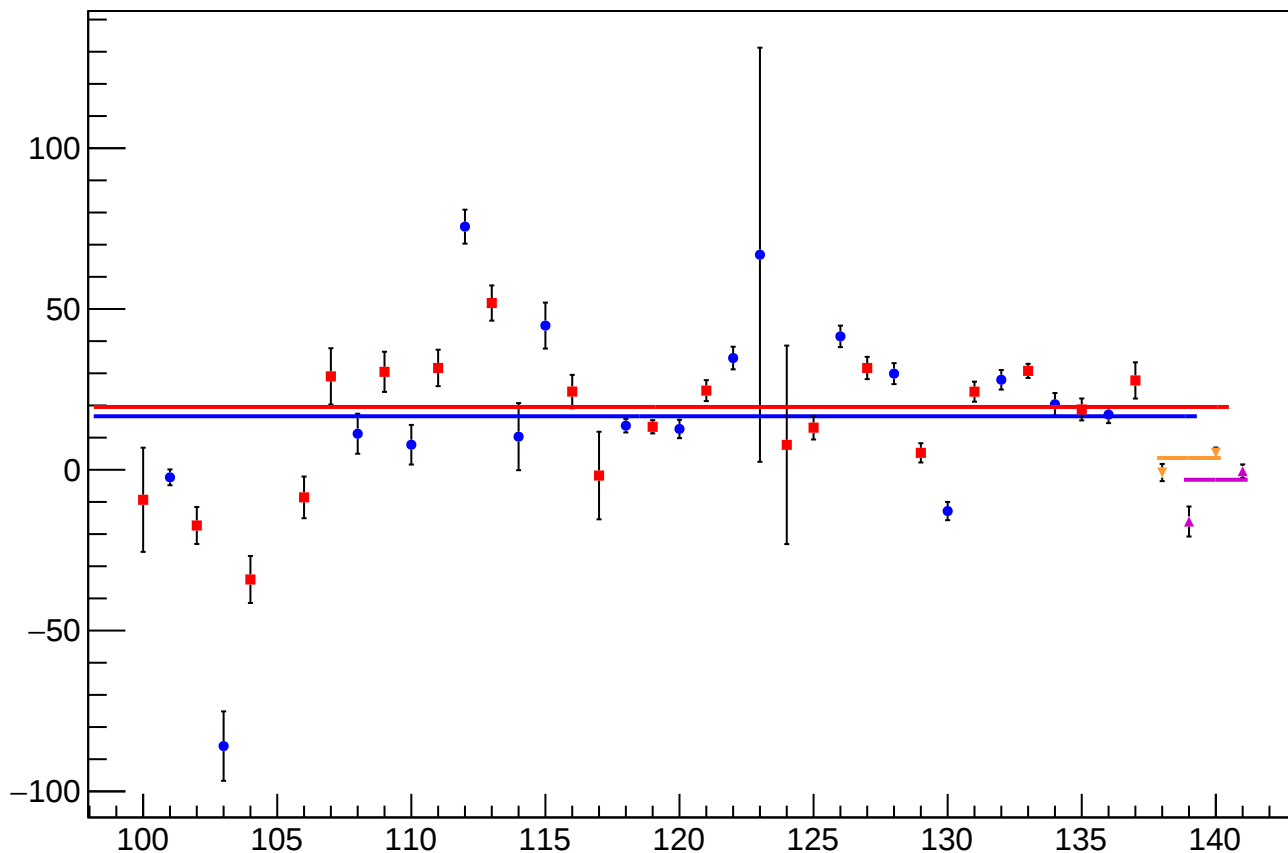
Right Out: -13.963 $\pm$ 0.559 χ^2 /NDF: 0.0/19

Left In: -44.136 $\pm$ 1.951 χ^2 /NDF:0.1/1

-14.759 $\pm$ 0.575 χ^2 /NDF: 38.6/18

-16.248 $\pm$ 0.537 χ^2 /NDF: 221.1/21

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 $\pm$ 0.859 χ^2 /NDF: 518.9/16

Left Out: 3.672 $\pm$ 1.378 χ^2 /NDF: 3.9/1

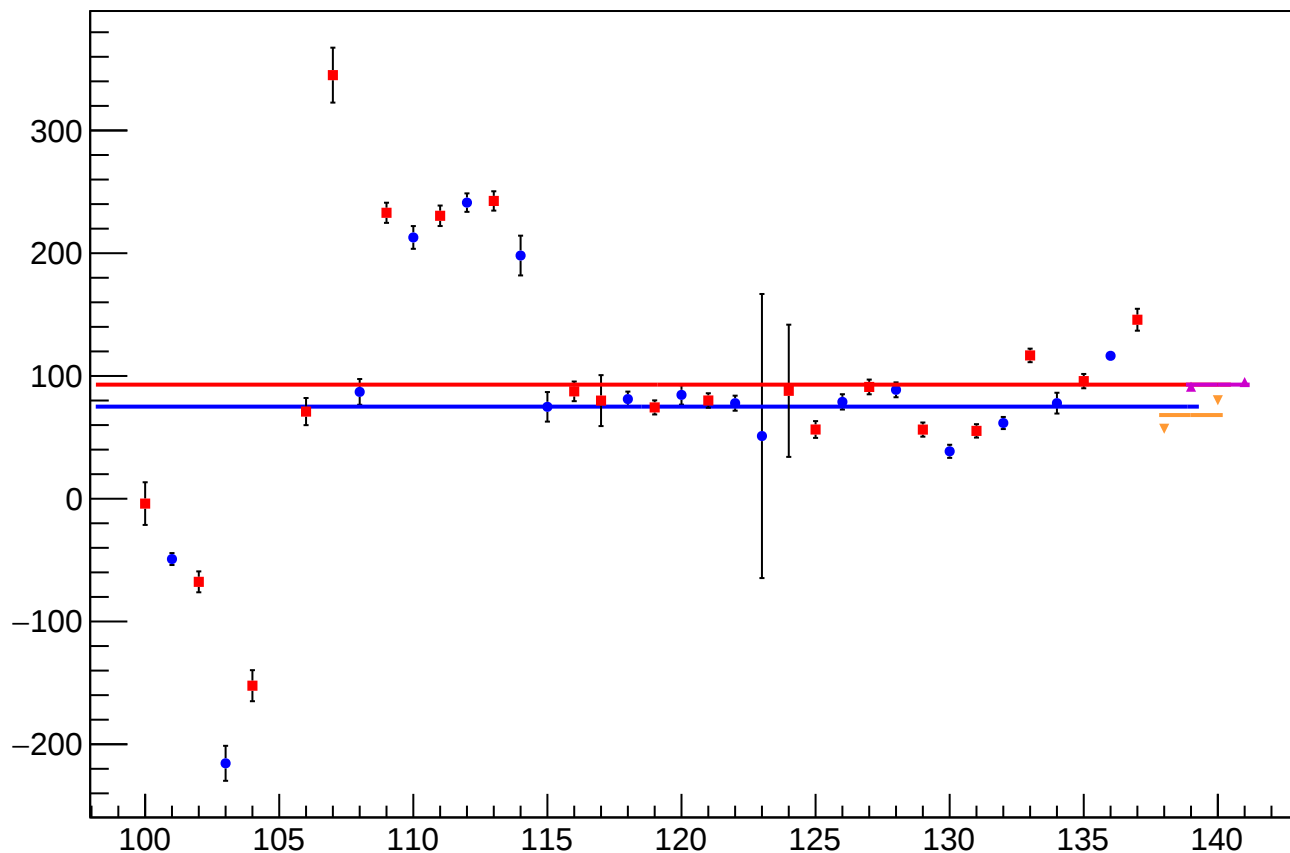
Right Out: 19.540 $\pm$ 0.894 χ^2 /NDF: 244.1/19

Left In: -3.095 $\pm$ 1.921 χ^2 /NDF: 9.3/1

13.013 $\pm$ 0.729 χ^2 /NDF: 586.6/18

15.507 $\pm$ 0.811 χ^2 /NDF: 367.6/21

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 68.171 $\pm$ 1.952 χ^2 /NDF:35.3/1

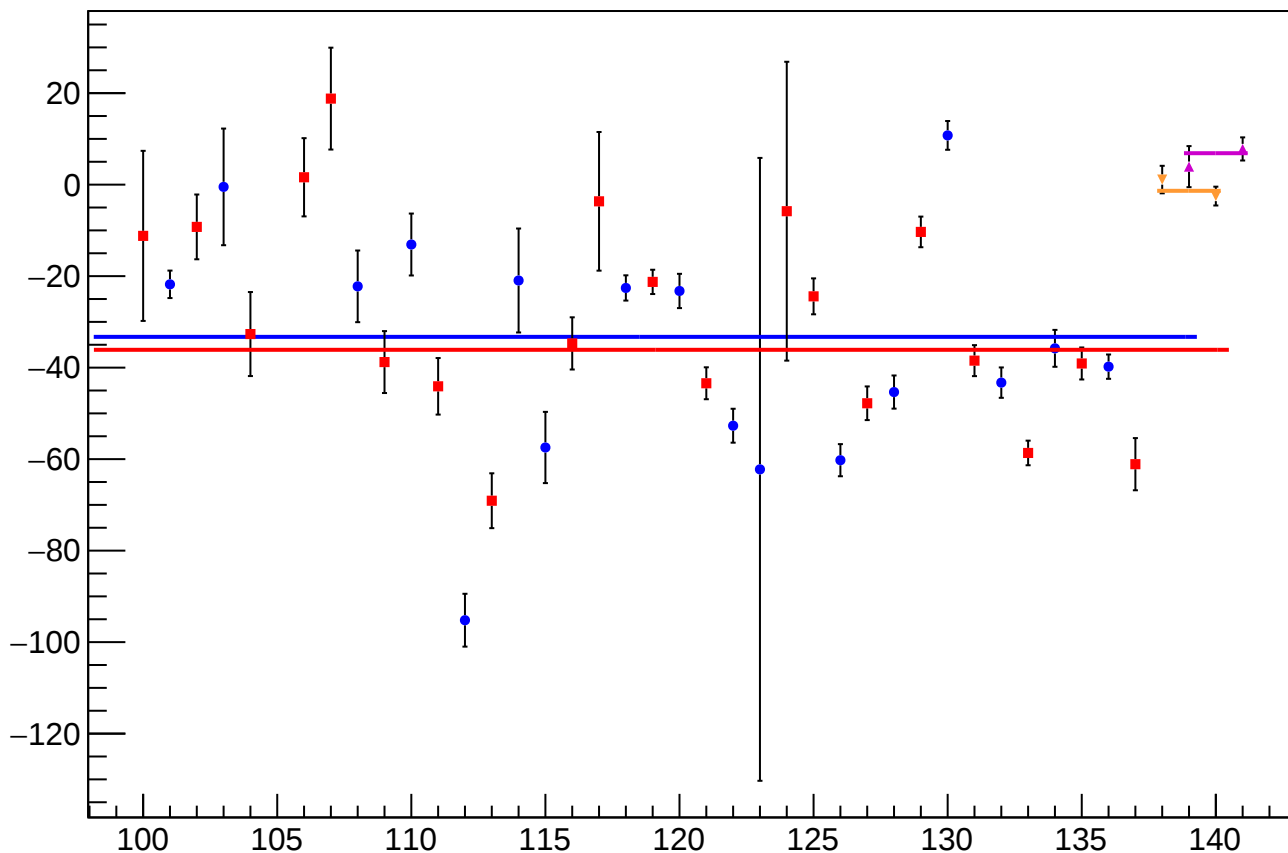
Right Out: 92.940 $\pm$ 1.706 χ^2 /NDF: 2004.0/19

Left In: 92.963 $\pm$ 2.097 χ^2 /NDF:0.8/1

72.180 $\pm$ 1.259 χ^2 /NDF: 2042.2/18

92.949 $\pm$ 1.323 χ^2 /NDF: 2004.8/21

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -1.349 ± 1.698 $\chi^2/\text{NDF}: 1.0/1$

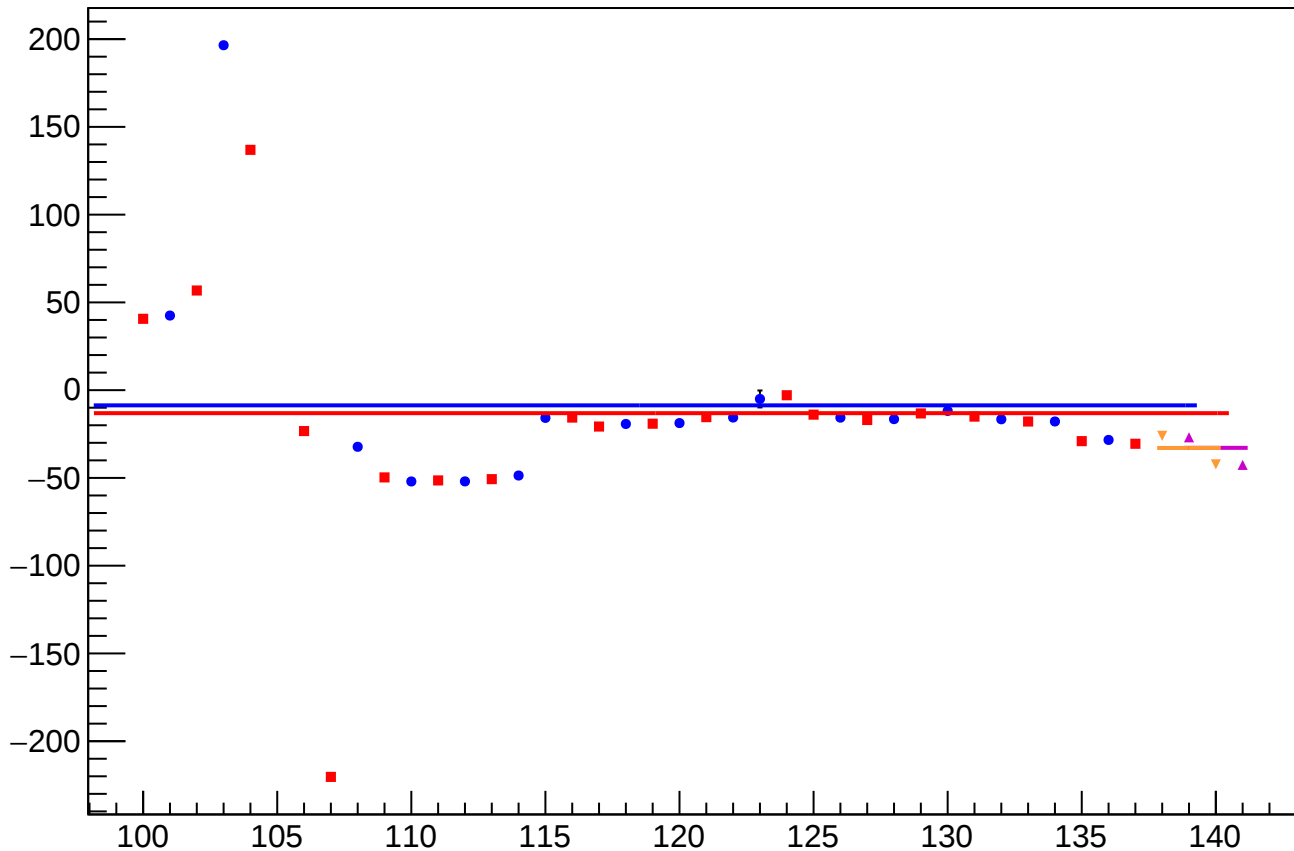
Right Out: -36.103 ± 1.022 $\chi^2/\text{NDF}: 302.3/19$

Left In: 6.872 ± 2.203 $\chi^2/\text{NDF}: 0.6/1$

-25.271 ± 0.850 $\chi^2/\text{NDF}: 755.2/18$

-28.497 ± 0.927 $\chi^2/\text{NDF}: 616.0/21$

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 χ^2/NDF : 575742.7/16

Left Out: -32.932 ± 0.080 χ^2/NDF : 10150.6/1

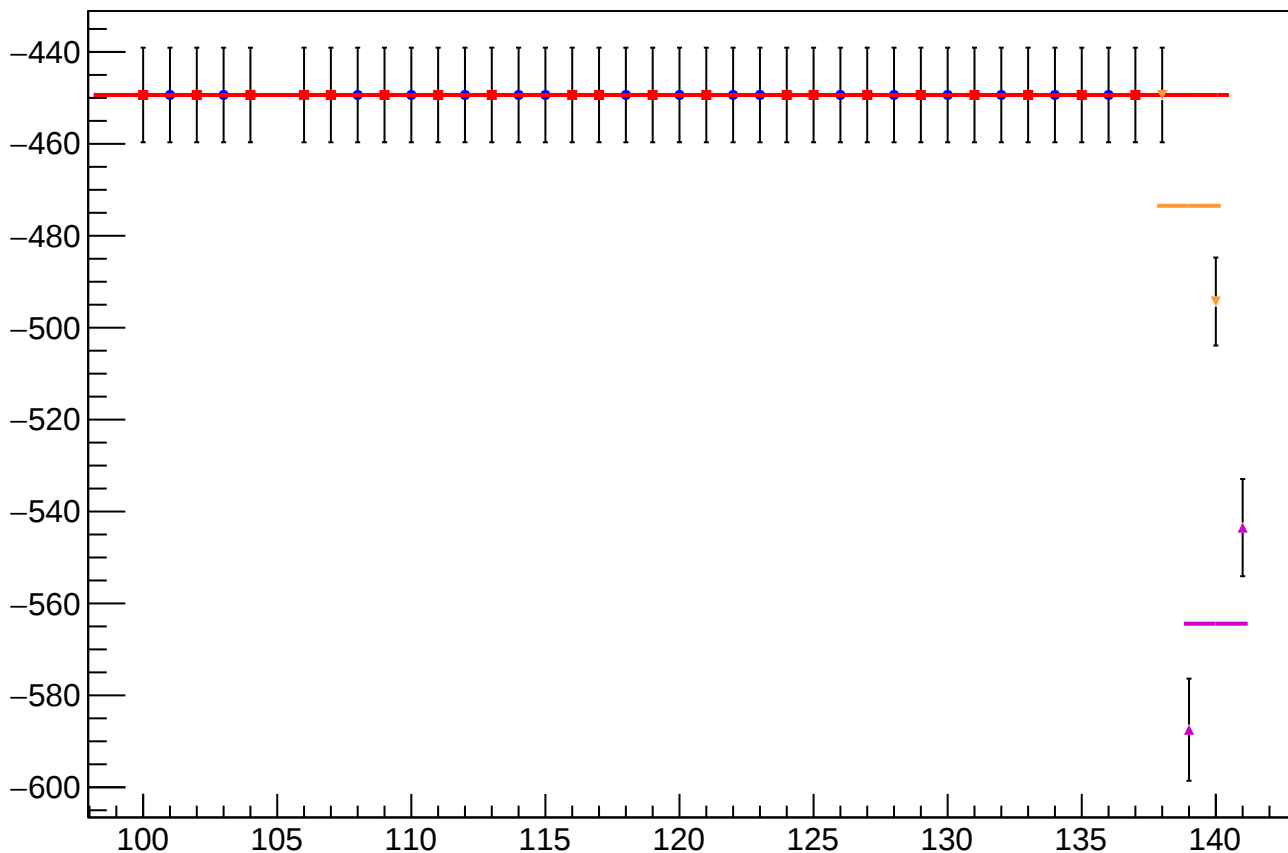
Right Out: -13.109 ± 0.062 χ^2/NDF : 558383.6/19

Left In: -32.864 ± 0.078 χ^2/NDF : 9600.6/1

-17.248 ± 0.047 χ^2/NDF : 645634.3/18

-20.724 ± 0.048 χ^2/NDF : 607501.0/21

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -449.364+/-2.496 χ^2 /NDF: 0.0/16

Left Out: -473.471+/-7.008 χ^2 /NDF:10.2/1

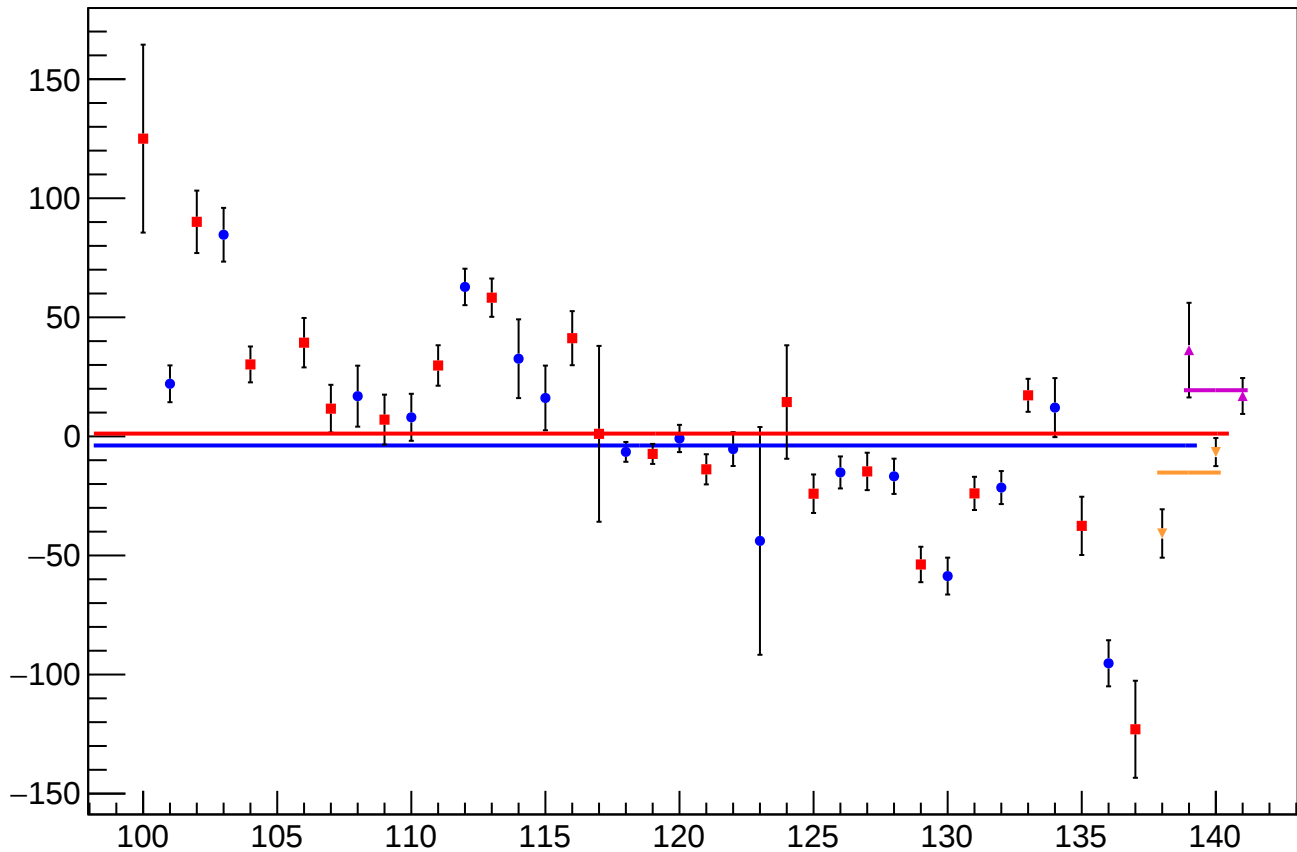
Right Out: -449.364+/-2.301 χ^2 /NDF: 0.0/19

Left In: -564.403+/-7.664 χ^2 /NDF:8.2/1

-452.078+/-2.352 χ^2 /NDF: 20.7/18

-458.880+/-2.204 χ^2 /NDF: 214.9/21

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: -15.184 ± 5.098 χ^2/NDF : 8.5/1

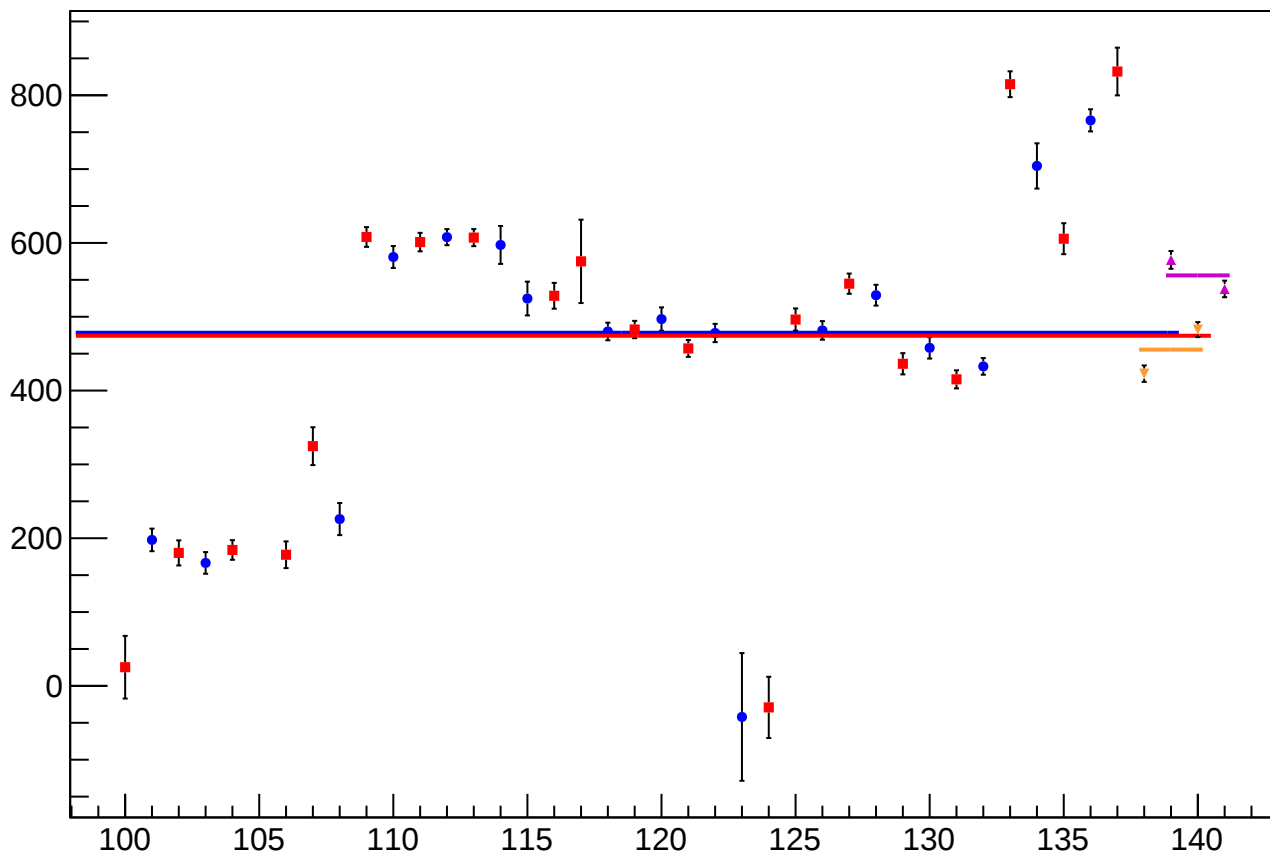
Right Out: 1.175 ± 1.911 χ^2/NDF : 303.9/19

Left In: 19.388 ± 7.046 χ^2/NDF : 0.8/1

-5.231 ± 1.799 χ^2/NDF : 327.1/18

2.423 ± 1.845 χ^2/NDF : 310.9/21

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 ± 3.662 χ^2/NDF : 1628.8/16

Left Out: 455.461 ± 7.522 χ^2/NDF : 15.6/1

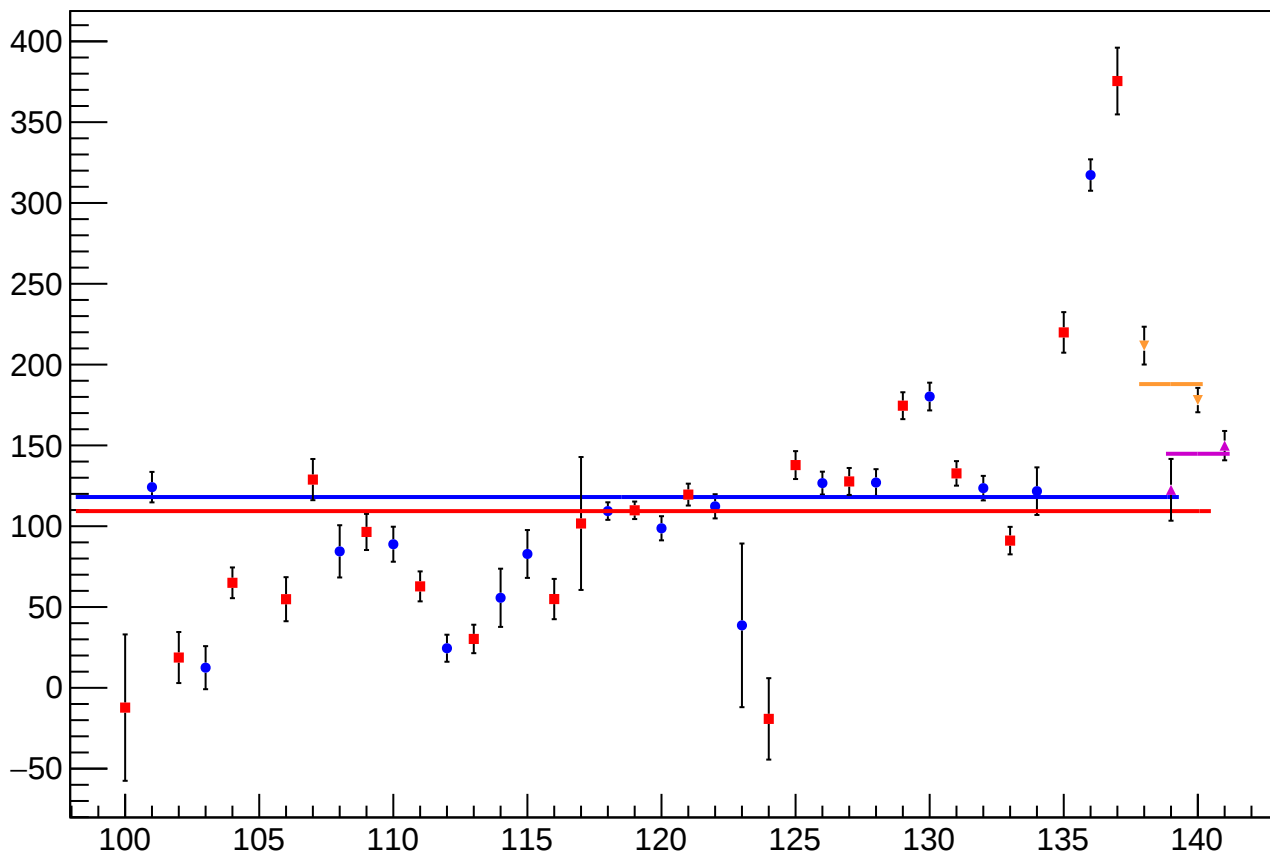
Right Out: 474.296 ± 3.524 χ^2/NDF : 2288.2/19

Left In: 555.999 ± 8.222 χ^2/NDF : 5.7/1

473.952 ± 3.293 χ^2/NDF : 1651.9/18

486.976 ± 3.239 χ^2/NDF : 2377.3/21

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 187.941 $\pm$ 6.339 χ^2 /NDF: 5.9/1

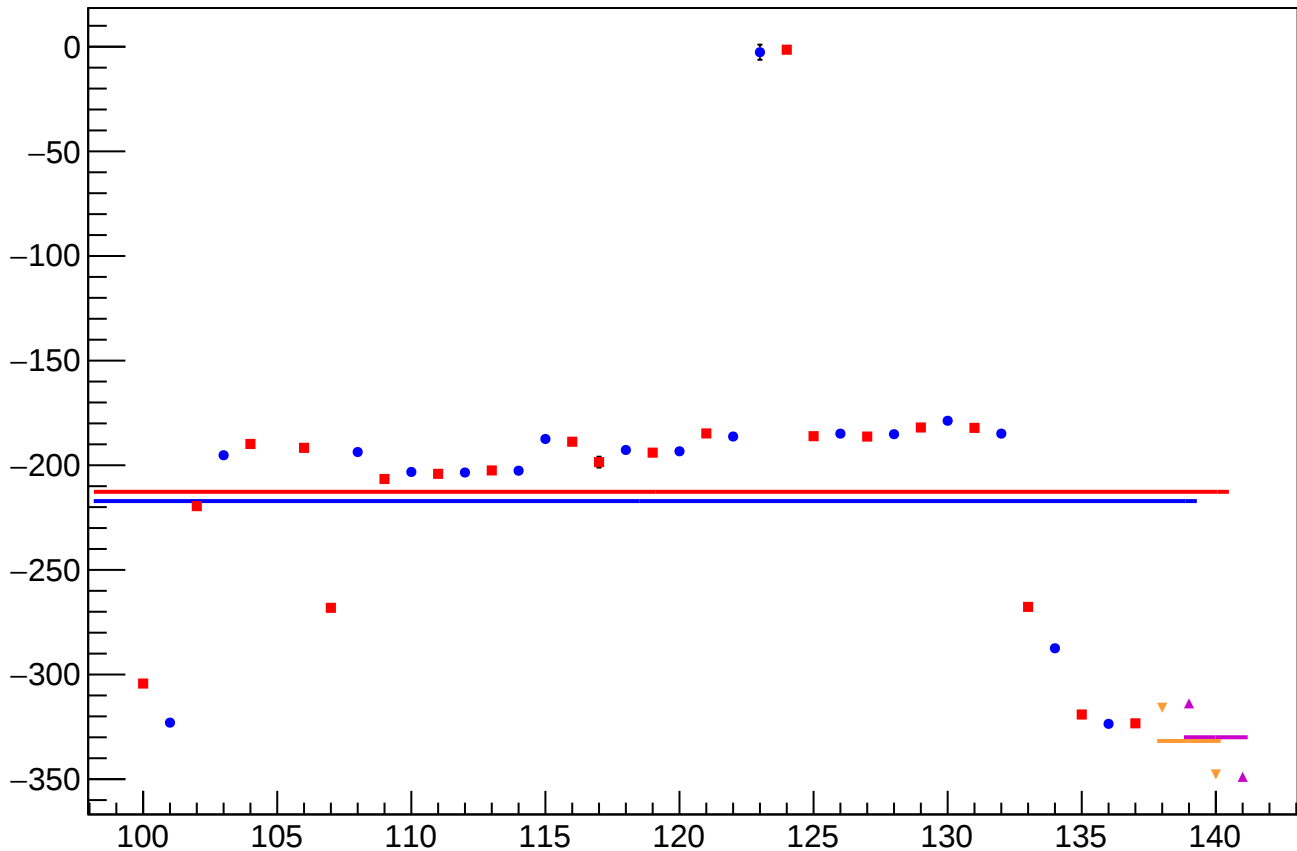
Right Out: 109.345 $\pm$ 2.202 χ^2 /NDF: 569.8/19

Left In: 144.827 $\pm$ 8.199 χ^2 /NDF: 1.7/1

125.723 $\pm$ 2.100 χ^2 /NDF: 819.4/18

111.731 $\pm$ 2.126 χ^2 /NDF: 589.0/21

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -331.746+/-0.314 χ^2/NDF : 2567.5/1

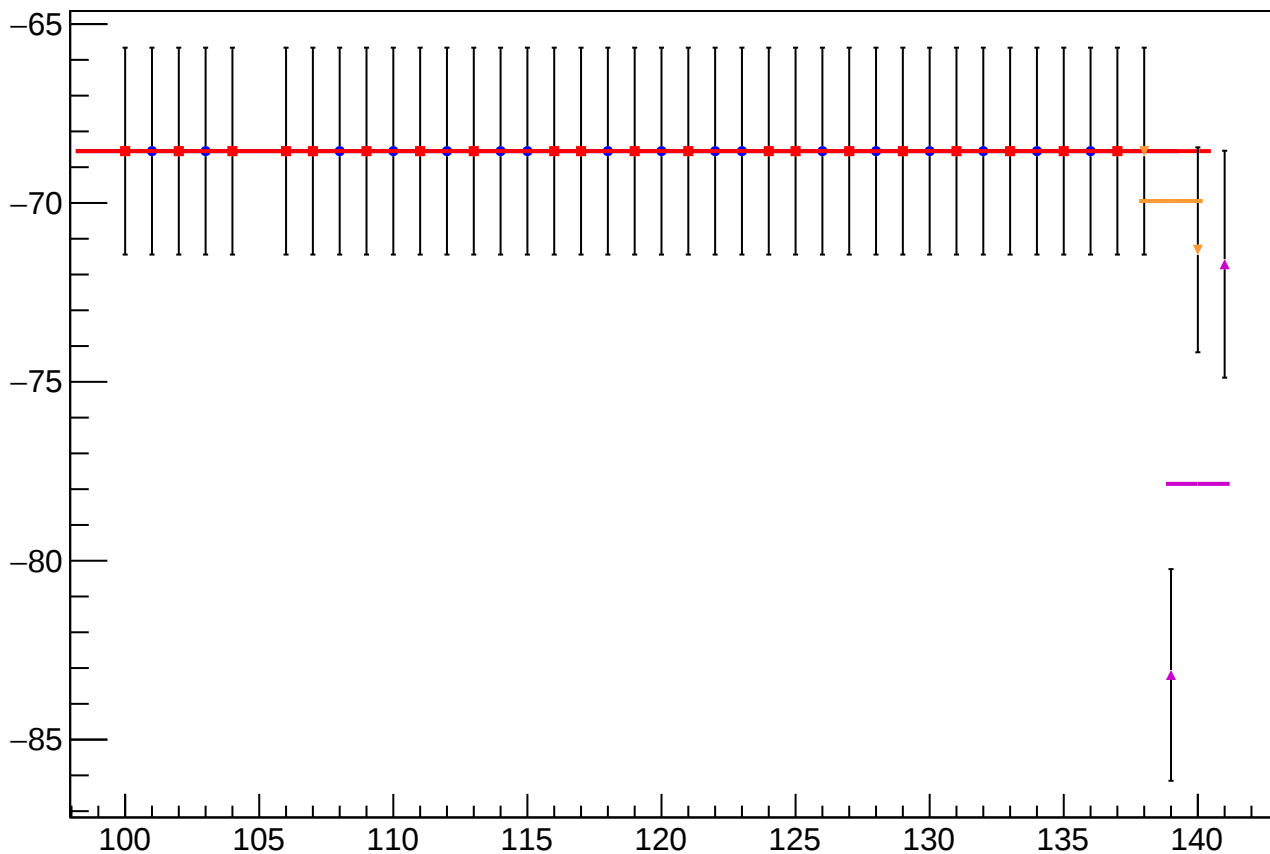
Right Out: -212.679+/-0.130 χ^2/NDF : 115596.4/19

Left In: -329.978+/-0.310 χ^2/NDF : 3192.8/1

-235.339+/-0.125 χ^2/NDF : 261088.5/18

-230.247+/-0.120 χ^2/NDF : 240699.0/21

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -68.551 $\pm$ 0.701 χ^2 /NDF: 0.0/16

Left Out: -69.944 $\pm$ 2.035 χ^2 /NDF: 0.5/1

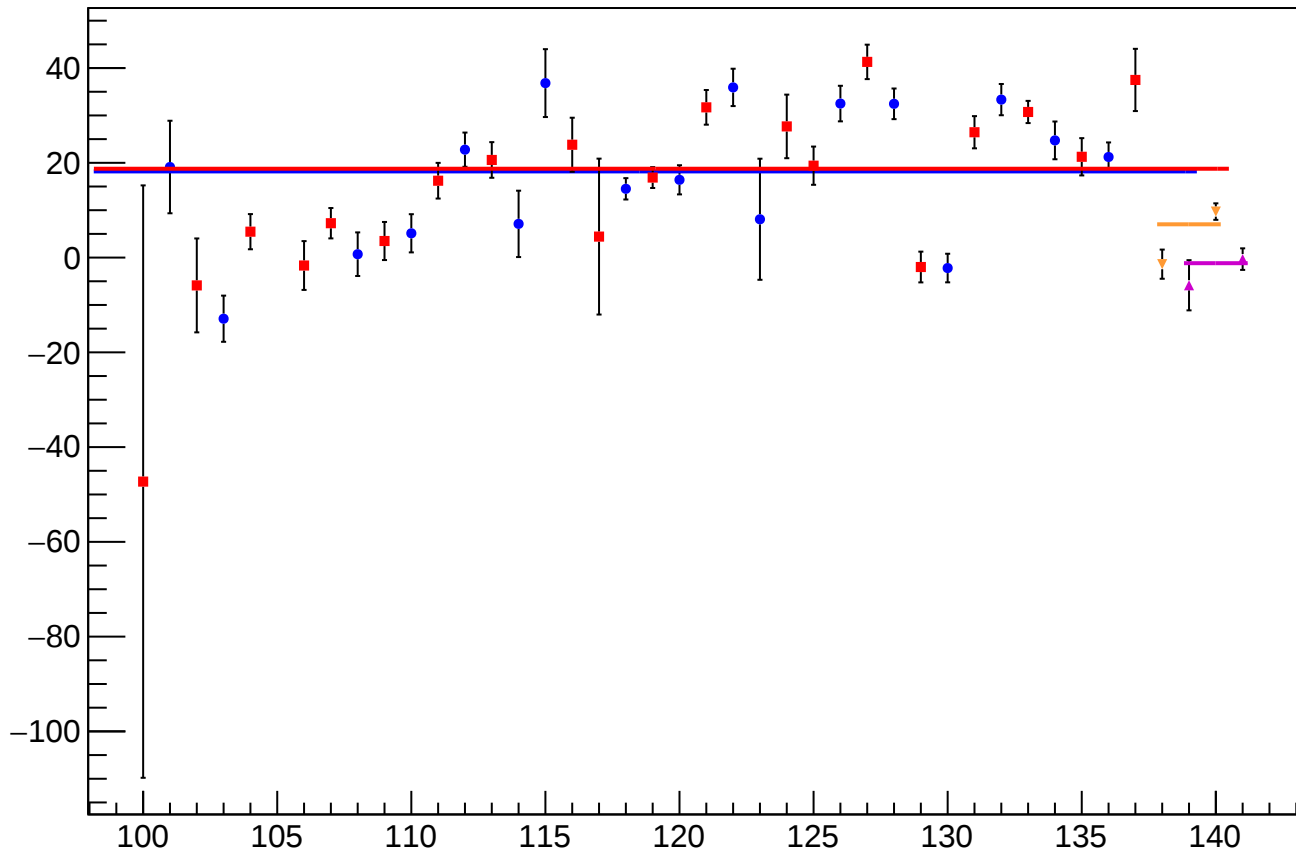
Right Out: -68.551 $\pm$ 0.647 χ^2 /NDF: 0.0/19

Left In: -77.851 $\pm$ 2.163 χ^2 /NDF: 7.0/1

-68.699 $\pm$ 0.663 χ^2 /NDF: 0.9/18

-69.314 $\pm$ 0.620 χ^2 /NDF: 24.0/21

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 $\pm$ 0.917 χ^2 /NDF: 204.9/16

Left Out: 7.022 $\pm$ 1.515 χ^2 /NDF: 9.8/1

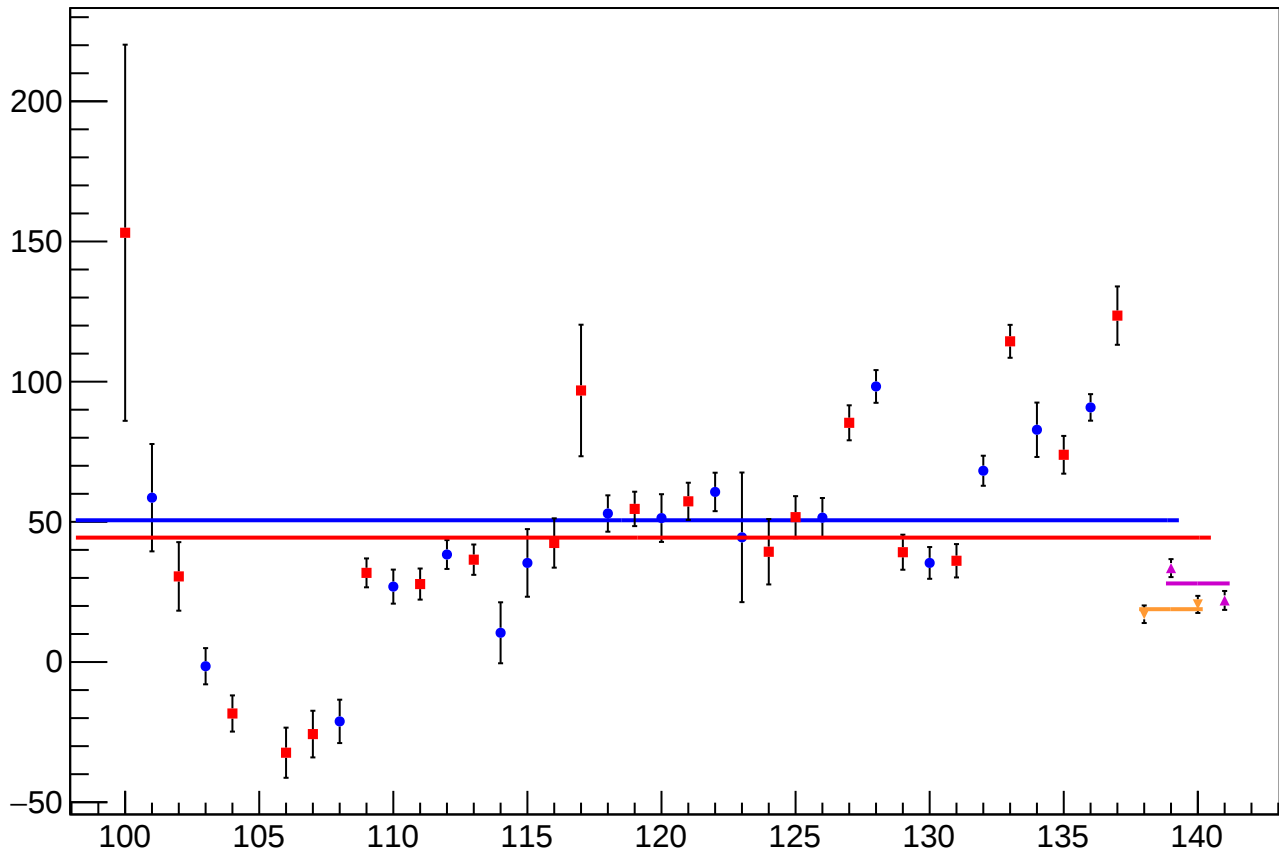
Right Out: 18.752 $\pm$ 0.862 χ^2 /NDF: 199.5/19

Left In: -1.183 $\pm$ 2.090 χ^2 /NDF: 0.9/1

15.192 $\pm$ 0.785 χ^2 /NDF: 254.5/18

15.857 $\pm$ 0.797 χ^2 /NDF: 278.2/21

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: 18.849+/-2.186 χ^2/NDF : 0.6/1

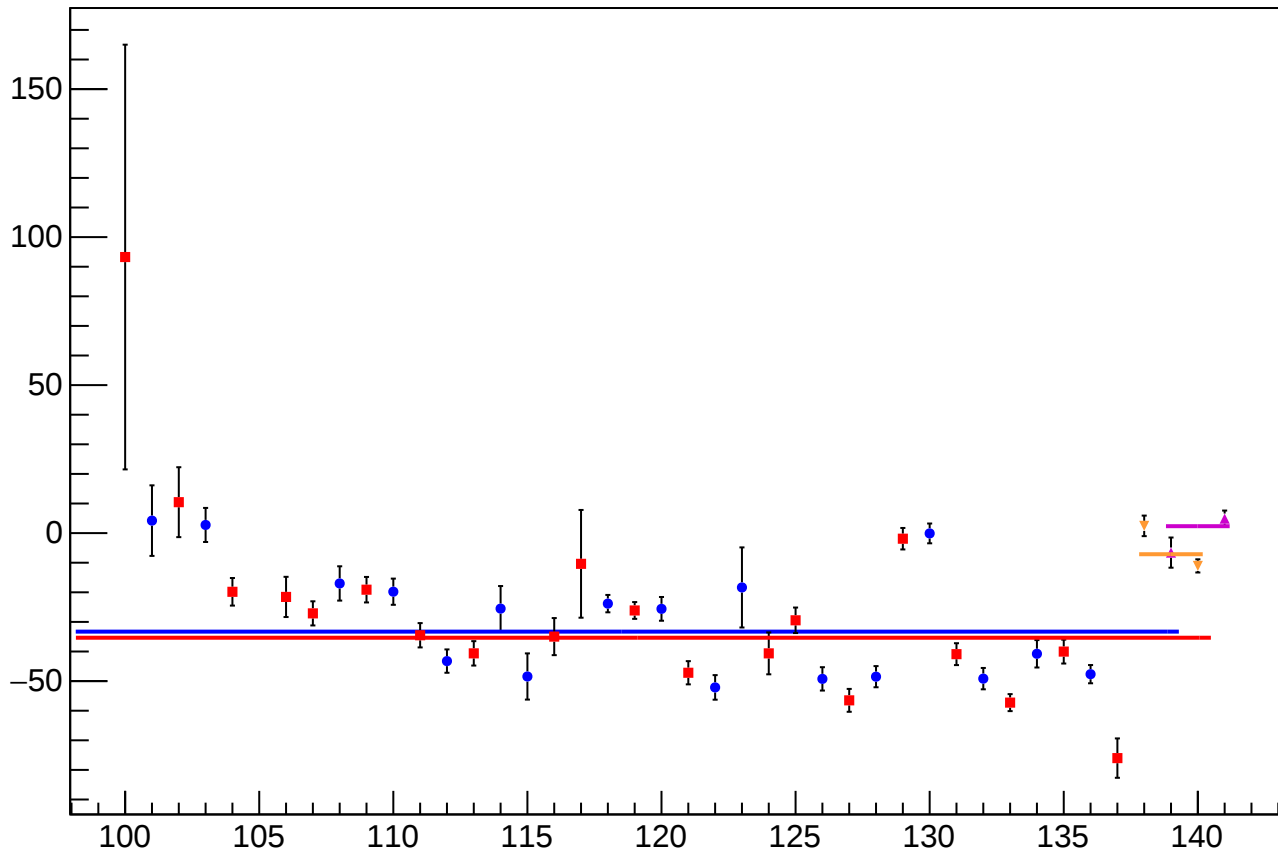
Right Out: 44.377+/-1.599 χ^2/NDF : 537.6/19

Left In: 28.030+/-2.324 χ^2/NDF : 6.1/1

38.812+/-1.331 χ^2/NDF : 491.0/18

39.125+/-1.317 χ^2/NDF : 577.3/21

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -7.135 ± 1.874 χ^2/NDF : 10.8/1

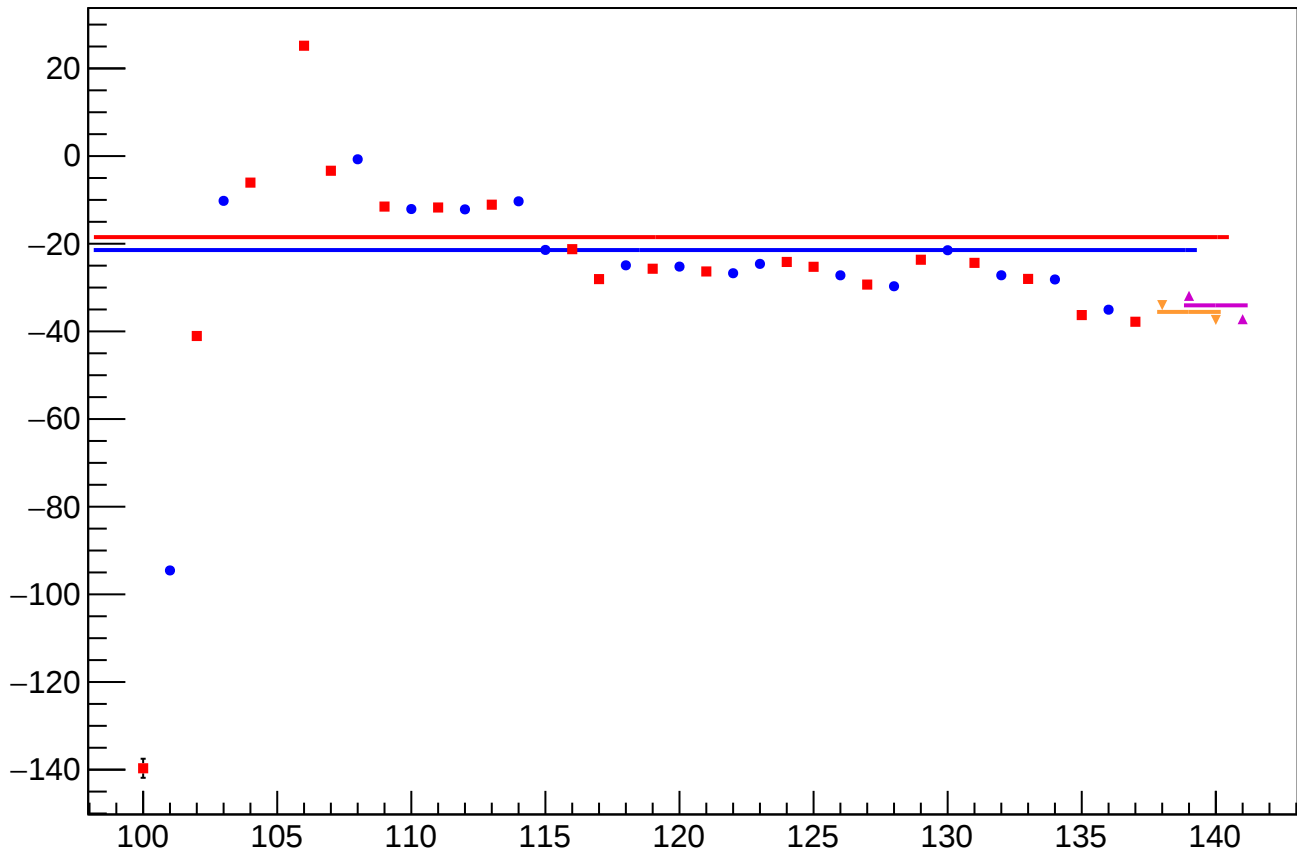
Right Out: -35.343 ± 0.990 χ^2/NDF : 291.6/19

Left In: 2.338 ± 2.405 χ^2/NDF : 3.9/1

-27.094 ± 0.912 χ^2/NDF : 449.4/18

-29.884 ± 0.915 χ^2/NDF : 505.5/21

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -35.555 ± 0.090 $\chi^2/\text{NDF}: 351.8/1$

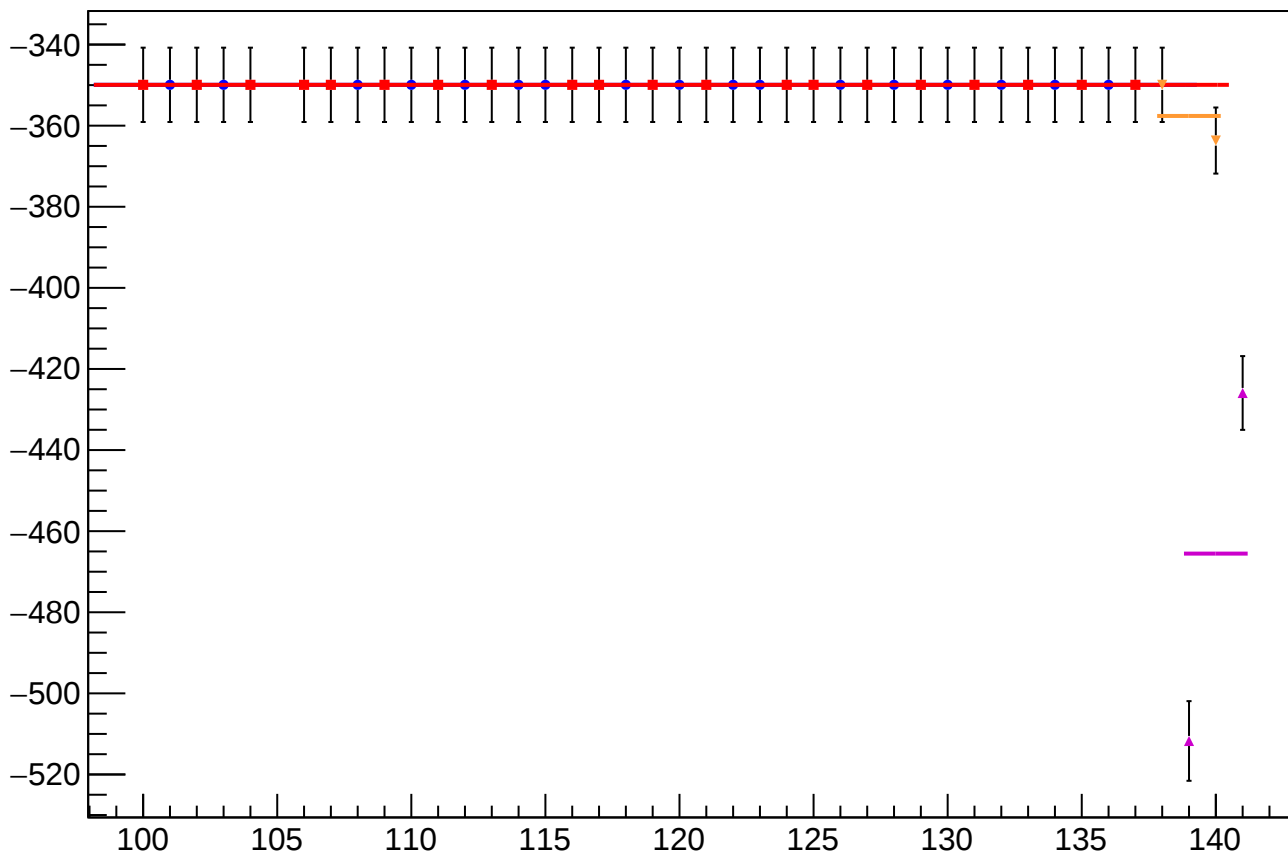
Right Out: -18.490 ± 0.057 $\chi^2/\text{NDF}: 80549.5/19$

Left In: -34.059 ± 0.087 $\chi^2/\text{NDF}: 912.3/1$

-25.683 ± 0.049 $\chi^2/\text{NDF}: 66564.7/18$

-23.231 ± 0.048 $\chi^2/\text{NDF}: 103925.4/21$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -349.933 $\pm$ 2.223 χ^2/NDF : 0.0/16

Left Out: -357.606 $\pm$ 6.090 χ^2/NDF : 1.3/1

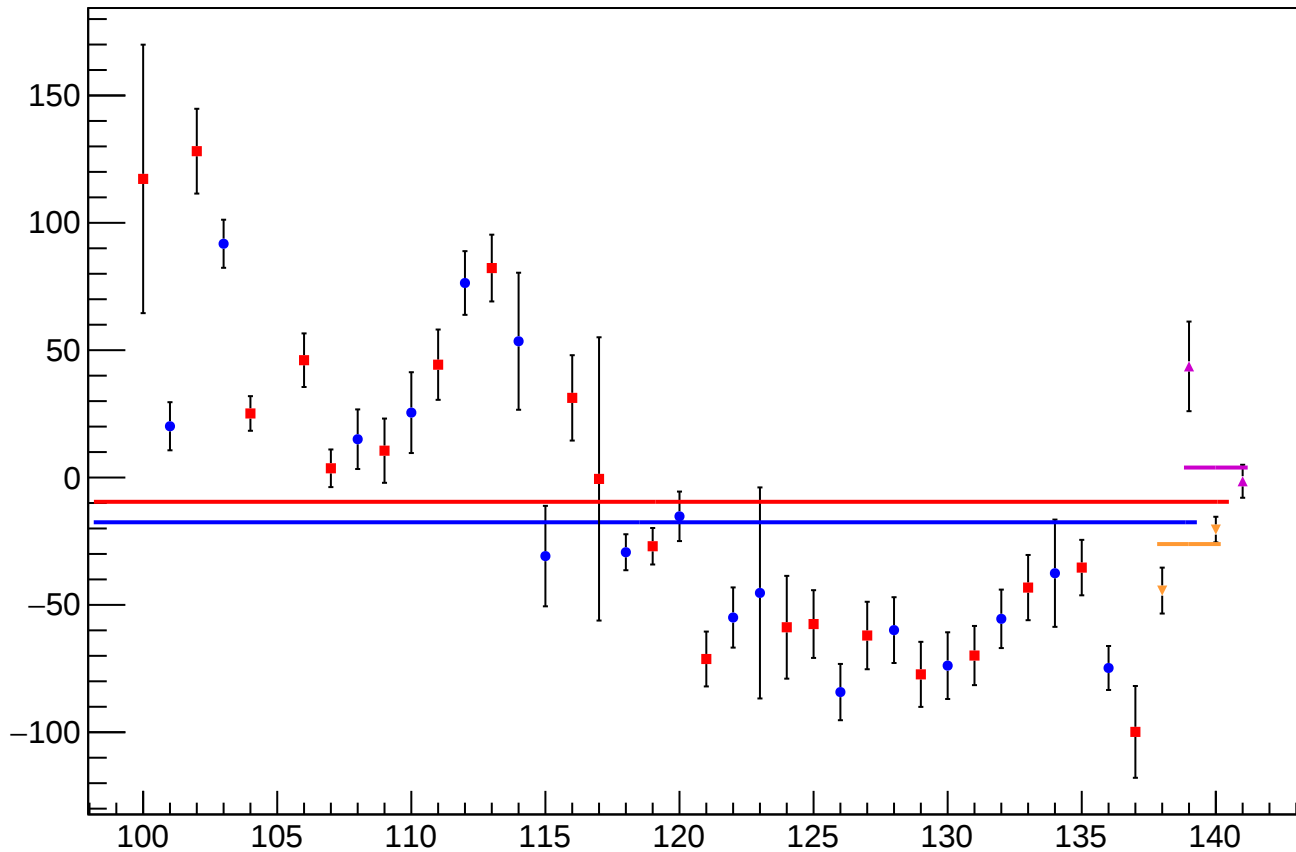
Right Out: -349.933 $\pm$ 2.049 χ^2/NDF : 0.0/19

Left In: -465.535 $\pm$ 6.674 χ^2/NDF : 41.1/1

-350.835 $\pm$ 2.088 χ^2/NDF : 2.7/18

-359.896 $\pm$ 1.959 χ^2/NDF : 315.3/21

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: -26.118 ± 4.392 $\chi^2/\text{NDF}: 5.4/1$

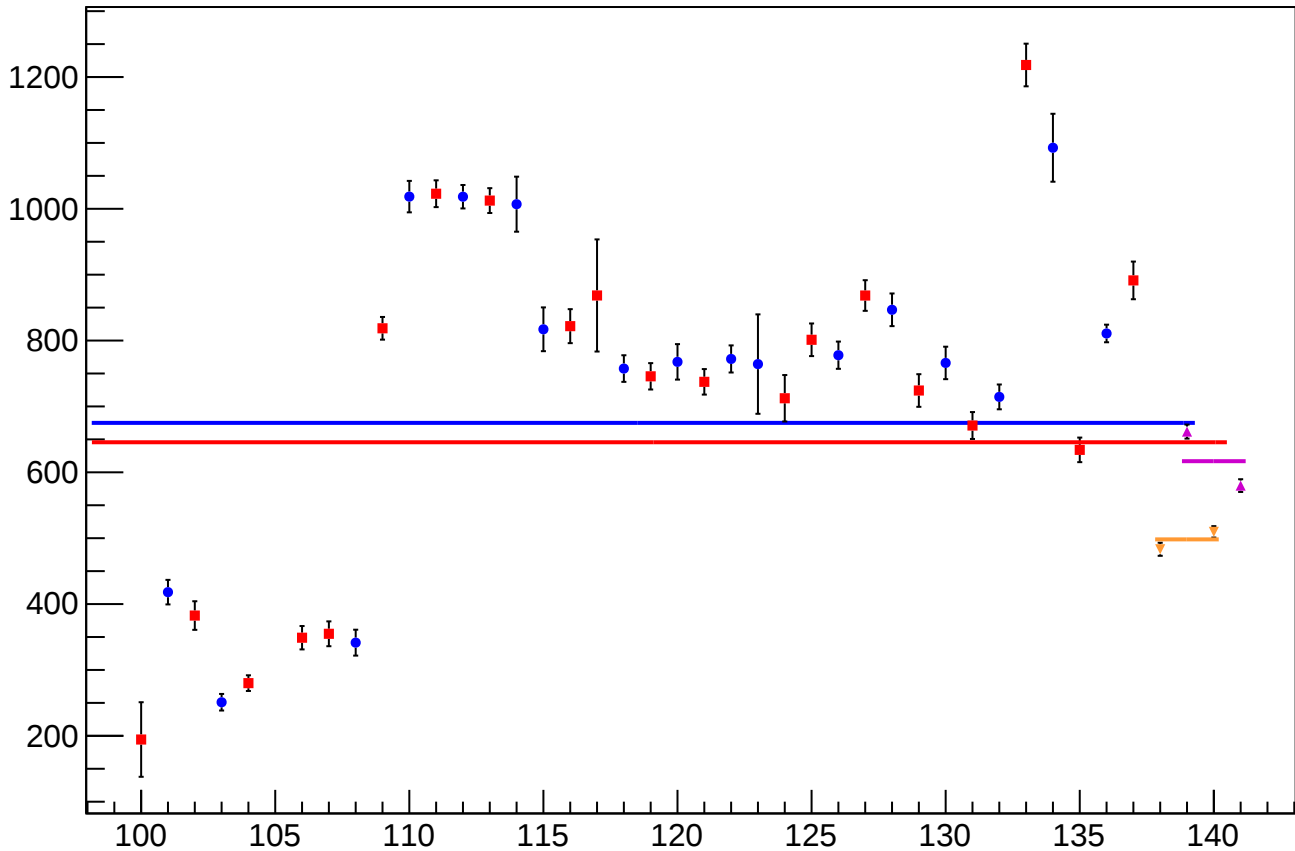
Right Out: -9.527 ± 2.606 $\chi^2/\text{NDF}: 370.3/19$

Left In: 3.921 ± 6.079 $\chi^2/\text{NDF}: 5.8/1$

-20.061 ± 2.373 $\chi^2/\text{NDF}: 371.8/18$

-7.440 ± 2.395 $\chi^2/\text{NDF}: 380.2/21$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 498.189 $\pm$ 6.534 χ^2 /NDF: 4.0/1

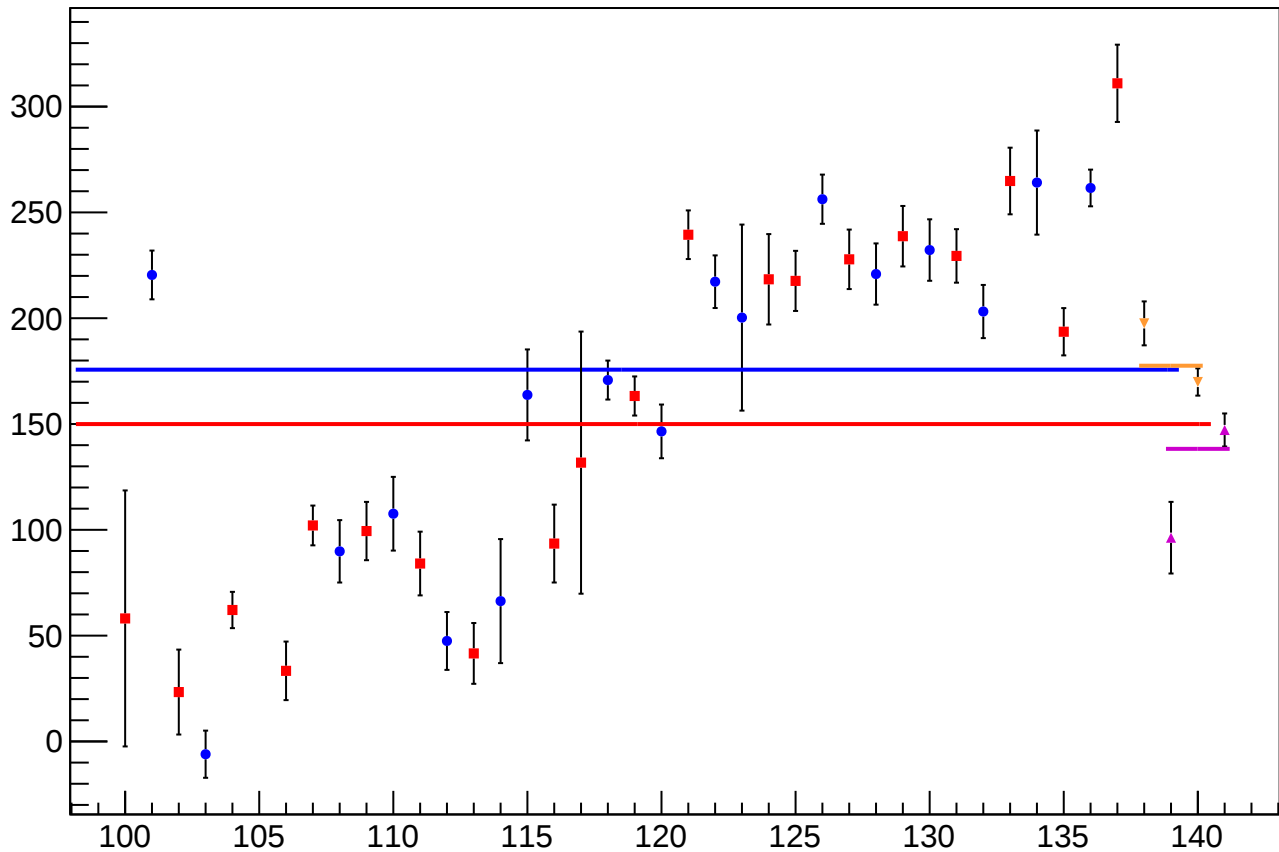
Right Out: 645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

Left In: 616.896 $\pm$ 7.157 χ^2 /NDF: 32.5/1

608.626 $\pm$ 4.004 χ^2 /NDF: 3045.8/18

636.822 $\pm$ 3.960 χ^2 /NDF: 3172.7/21

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 177.552 $\pm$ 5.472 χ^2 /NDF: 5.1/1

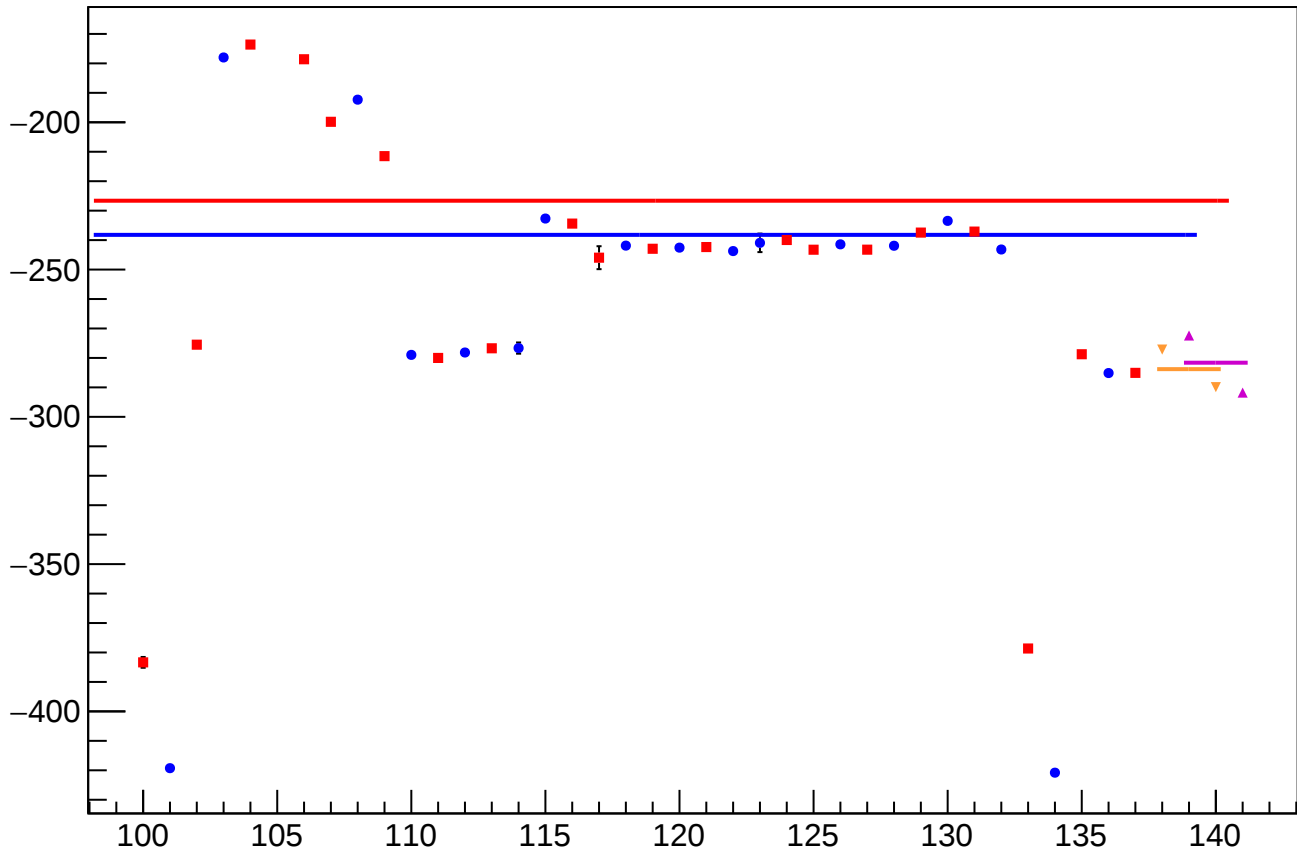
Right Out: 149.973 $\pm$ 3.038 χ^2 /NDF: 693.8/19

Left In: 138.264 $\pm$ 7.086 χ^2 /NDF: 7.5/1

176.170 $\pm$ 2.787 χ^2 /NDF: 643.1/18

148.154 $\pm$ 2.792 χ^2 /NDF: 703.6/21

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -283.806 ± 0.274 χ^2/NDF : 542.4/1

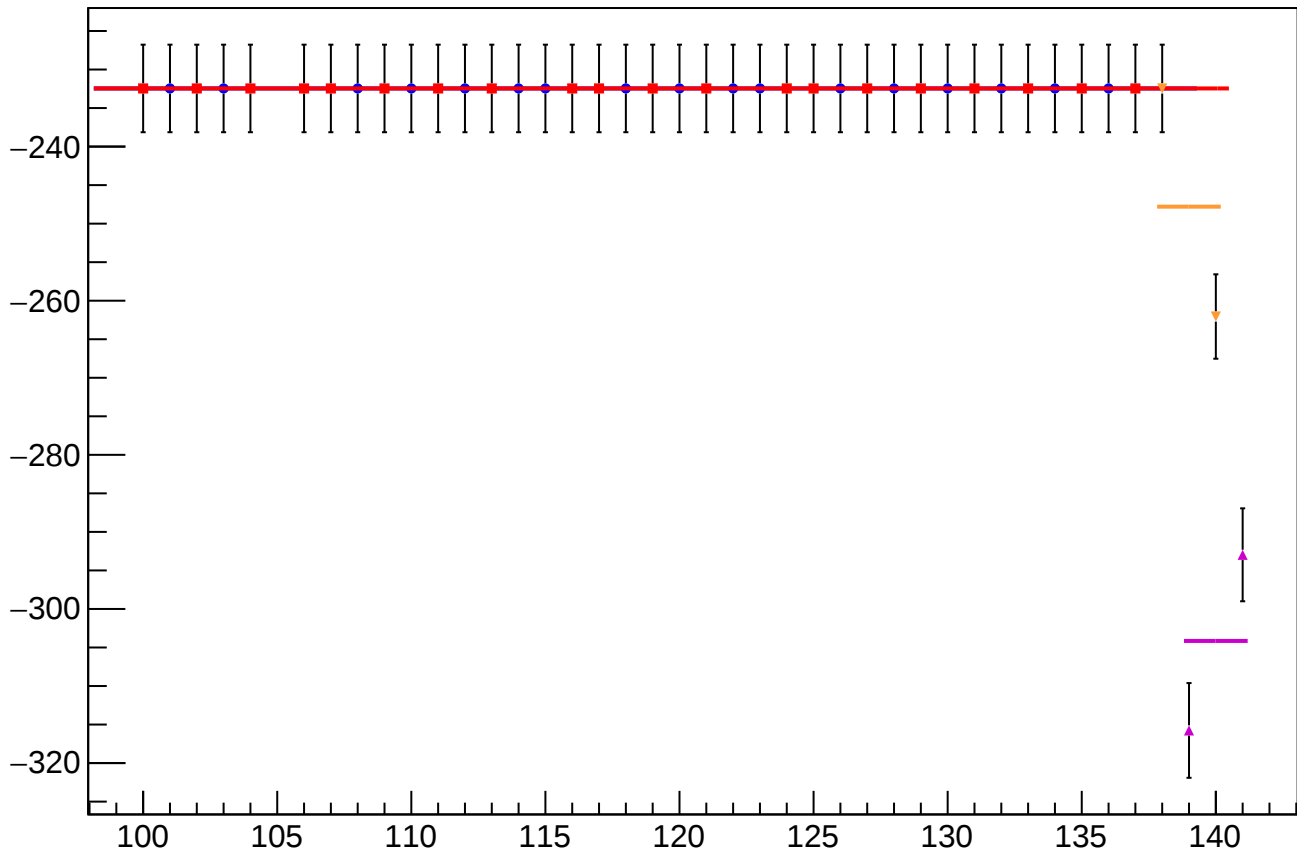
Right Out: -226.626 ± 0.151 χ^2/NDF : 102587.0/19

Left In: -281.620 ± 0.271 χ^2/NDF : 1279.7/1

-249.879 ± 0.138 χ^2/NDF : 188312.5/18

-239.698 ± 0.132 χ^2/NDF : 135348.3/21

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -232.456+/-1.378 χ^2 /NDF: 0.0/16

Left Out: -247.794+/-3.943 χ^2 /NDF:14.1/1

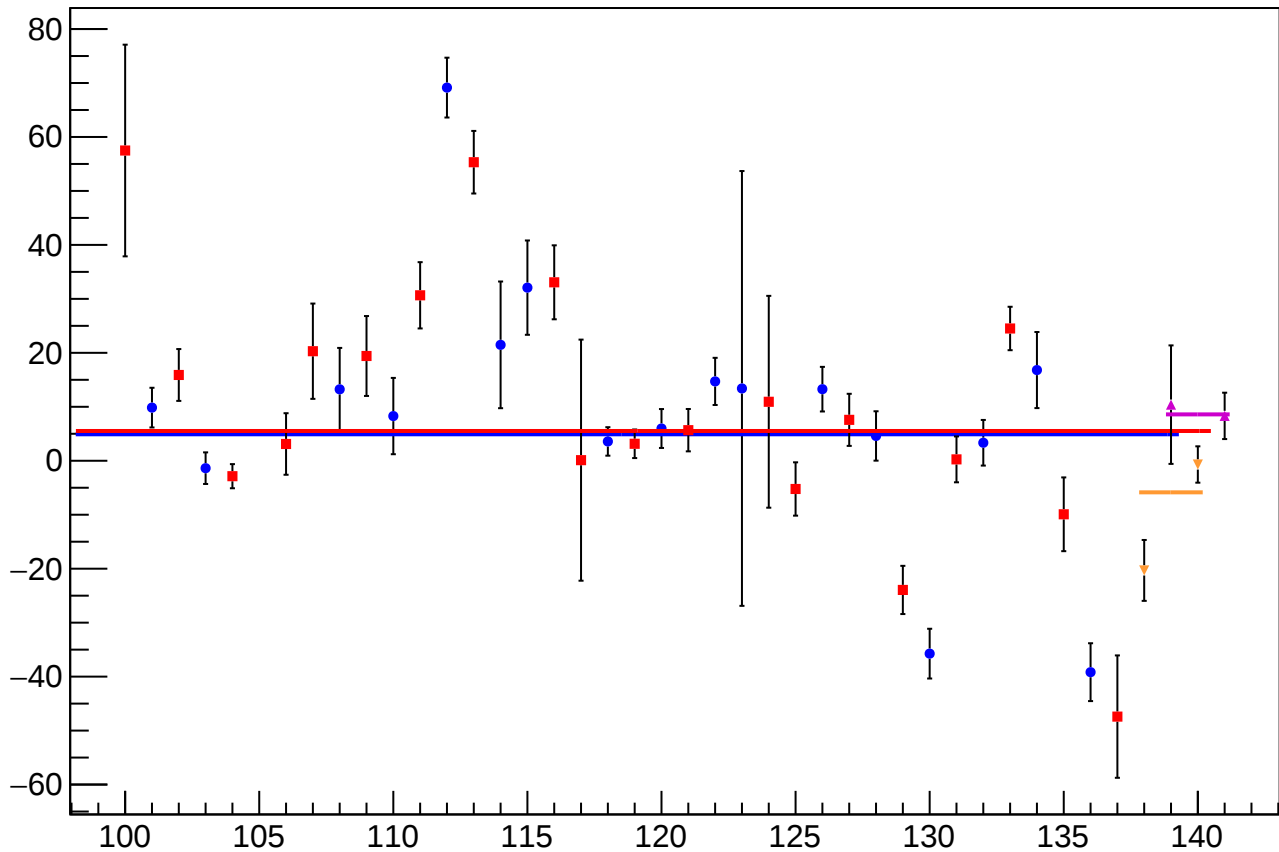
Right Out: -232.456+/-1.270 χ^2 /NDF: 0.0/19

Left In: -304.150+/-4.305 χ^2 /NDF:7.0/1

-234.125+/-1.301 χ^2 /NDF: 27.6/18

-238.198+/-1.218 χ^2 /NDF: 262.2/21

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: -5.852 ± 2.892 $\chi^2/\text{NDF}: 8.9/1$

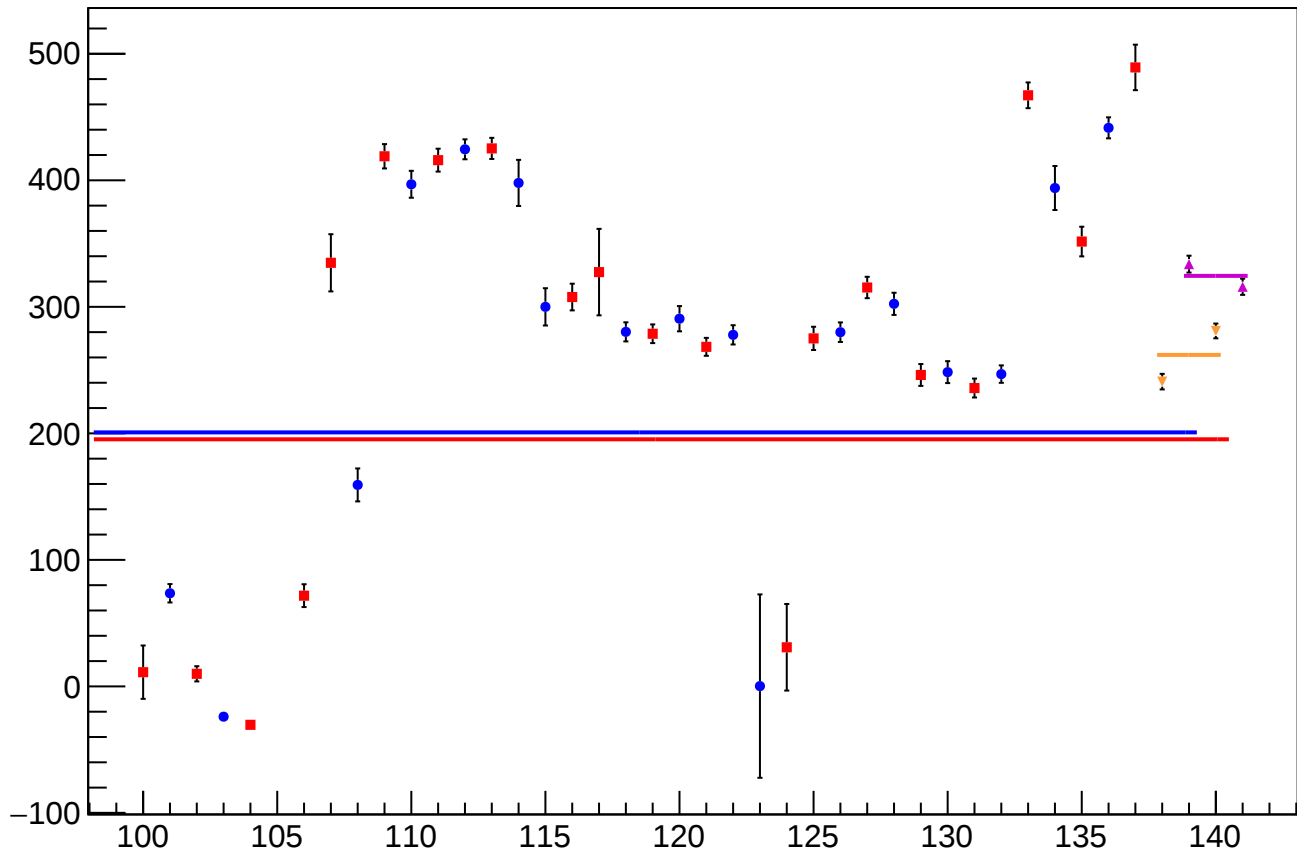
Right Out: 5.517 ± 1.067 $\chi^2/\text{NDF}: 239.0/19$

Left In: 8.593 ± 4.000 $\chi^2/\text{NDF}: 0.0/1$

3.534 ± 1.033 $\chi^2/\text{NDF}: 332.7/18$

5.722 ± 1.031 $\chi^2/\text{NDF}: 239.5/21$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 262.008 $\pm$ 4.234 χ^2 /NDF:22.3/1

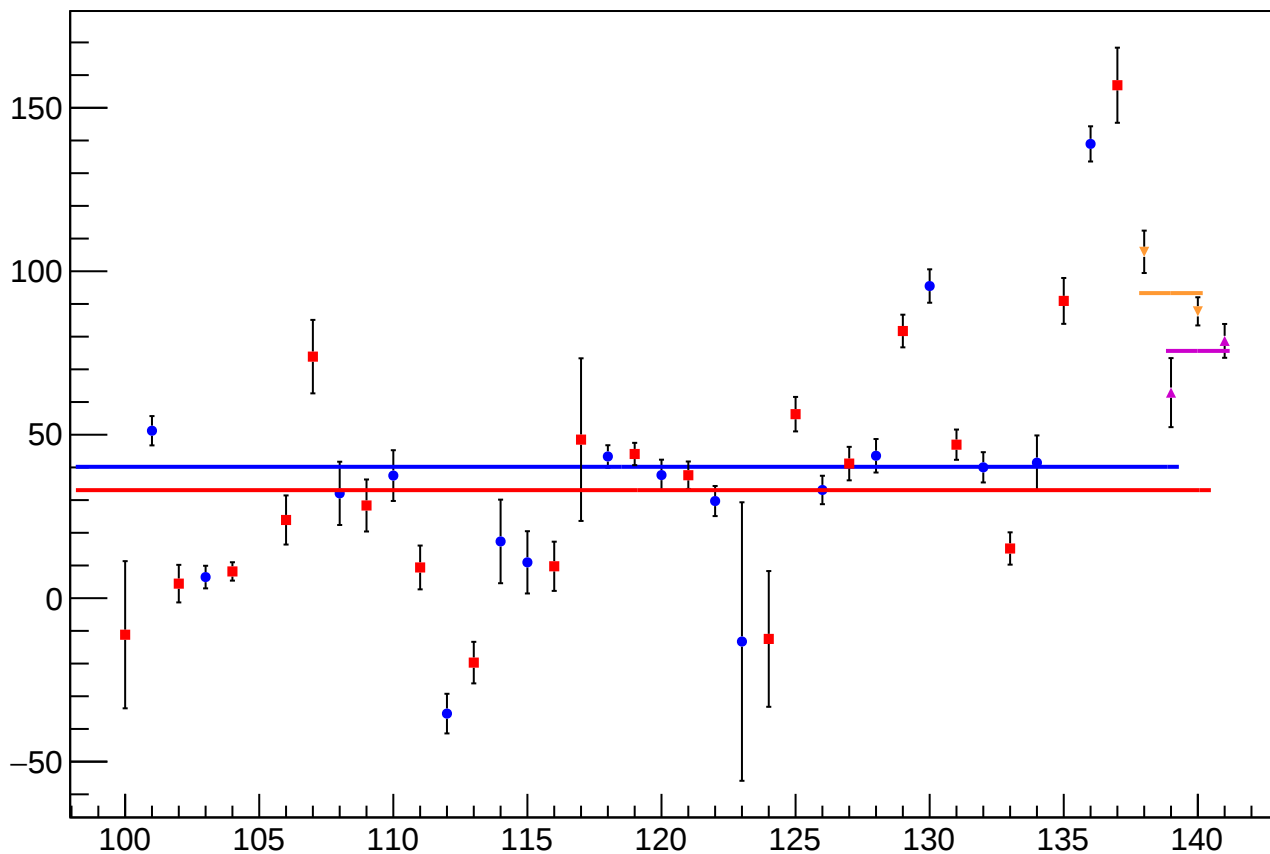
Right Out: 195.311 $\pm$ 1.921 χ^2 /NDF: 8262.1/19

Left In: 324.471 $\pm$ 4.620 χ^2 /NDF:3.7/1

211.791 $\pm$ 1.796 χ^2 /NDF: 6926.9/18

214.346 $\pm$ 1.774 χ^2 /NDF: 8932.3/21

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 χ^2/NDF : 734.6/16

Left Out: 33.045 ± 1.249 χ^2/NDF : 553.1/19

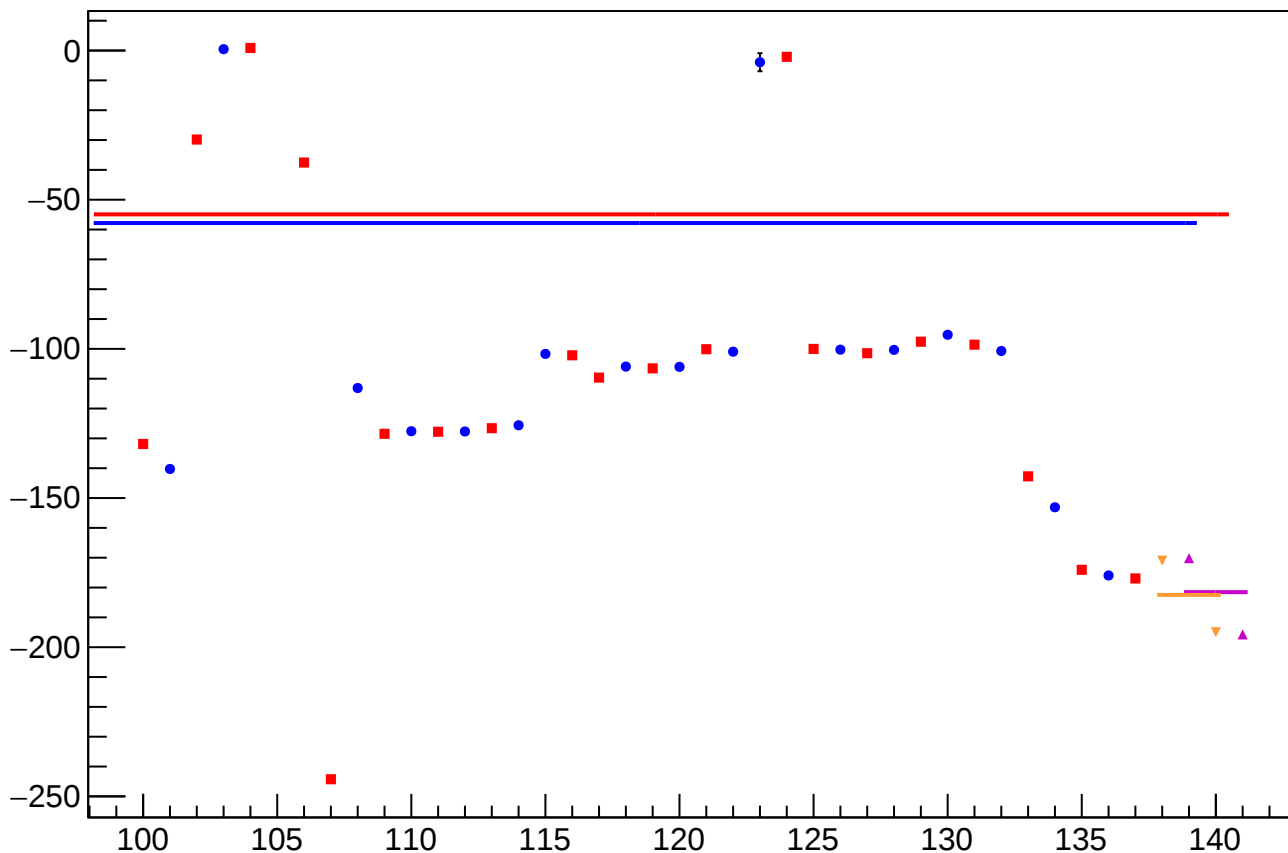
Right Out: 93.321 ± 3.590 χ^2/NDF : 5.5/1

Left In: 75.640 ± 4.646 χ^2/NDF : 1.8/1

46.205 ± 1.208 χ^2/NDF : 934.3/18

35.915 ± 1.206 χ^2/NDF : 633.3/21

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -182.474 ± 0.176 $\chi^2/\text{NDF}: 4621.4/1$

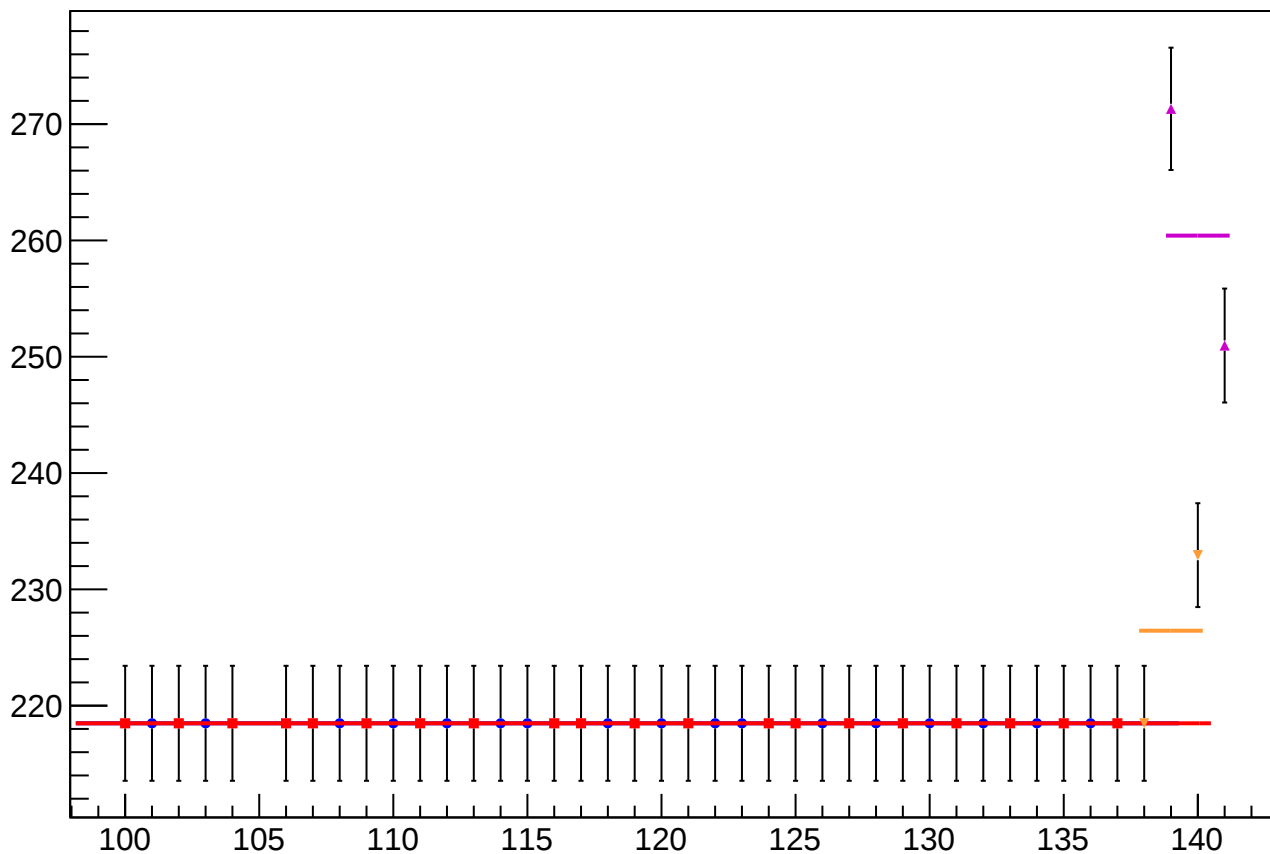
Right Out: -54.915 ± 0.060 $\chi^2/\text{NDF}: 1001968.3/19$

Left In: -181.542 ± 0.174 $\chi^2/\text{NDF}: 5357.0/1$

-71.463 ± 0.058 $\chi^2/\text{NDF}: 1551345.7/18$

-68.501 ± 0.057 $\chi^2/\text{NDF}: 1482246.2/21$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 218.484 $\pm$ 1.199 χ^2 /NDF: 0.0/16

Left Out: 226.447 $\pm$ 3.313 χ^2 /NDF: 4.7/1

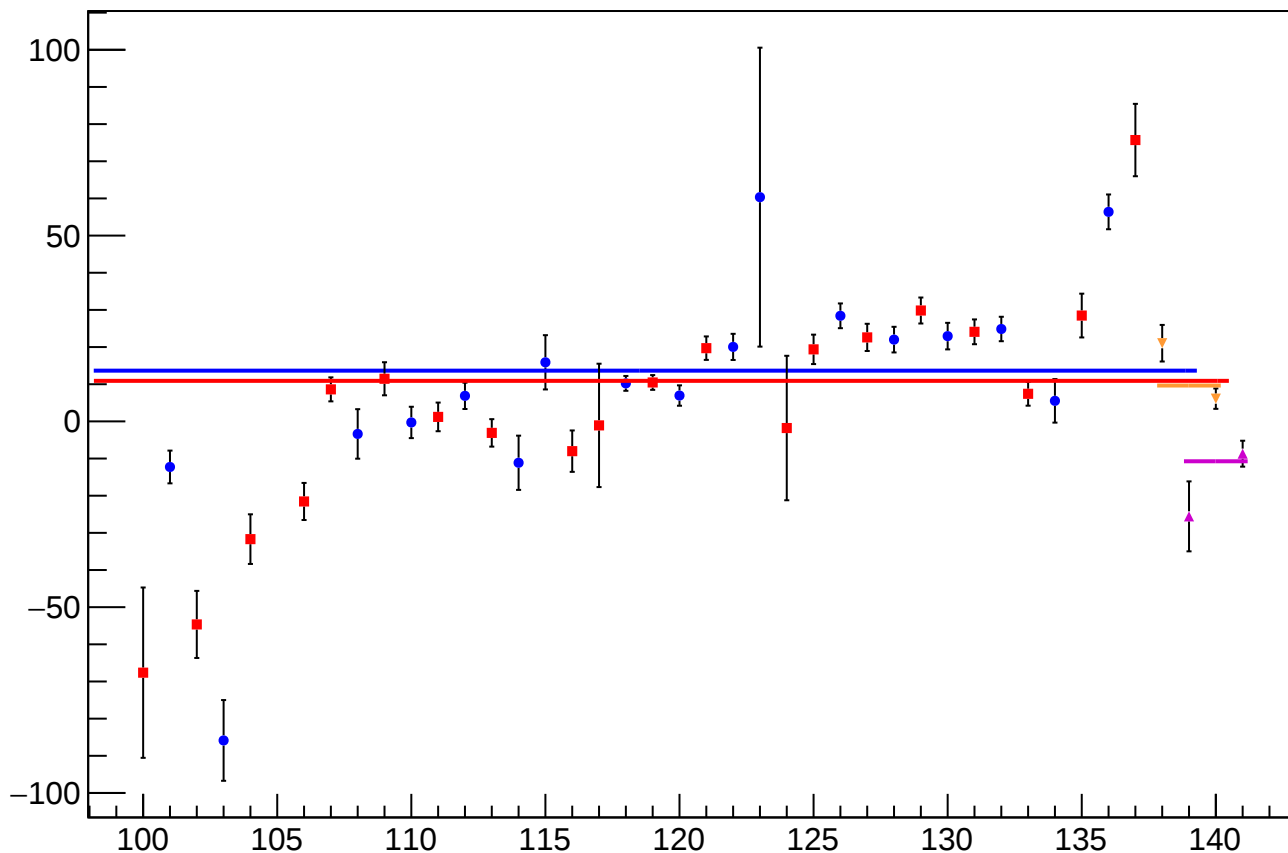
Right Out: 218.484 $\pm$ 1.105 χ^2 /NDF: 0.0/19

Left In: 260.415 $\pm$ 3.584 χ^2 /NDF: 8.0/1

219.406 $\pm$ 1.127 χ^2 /NDF: 9.8/18

222.126 $\pm$ 1.056 χ^2 /NDF: 133.0/21

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 $\pm$ 0.936 χ^2 /NDF: 294.0/16

Left Out: 9.649 $\pm$ 2.396 χ^2 /NDF: 7.0/1

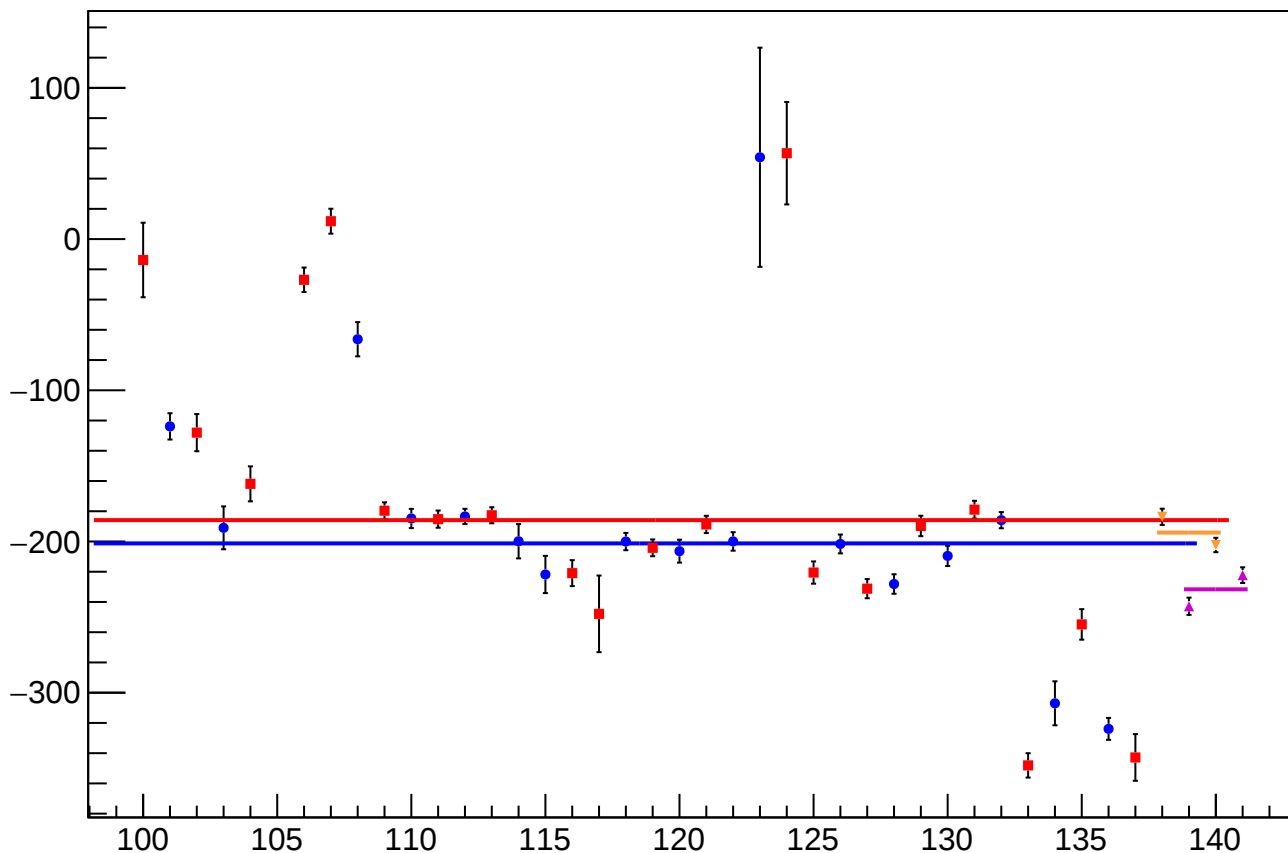
Right Out: 10.908 $\pm$ 0.912 χ^2 /NDF: 303.1/19

Left In: -10.736 $\pm$ 3.273 χ^2 /NDF: 2.8/1

13.122 $\pm$ 0.872 χ^2 /NDF: 303.4/18

9.349 $\pm$ 0.878 χ^2 /NDF: 346.5/21

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266+/-1.795 χ^2 /NDF: 623.4/16

Left Out: -194.106+/-3.556 χ^2 /NDF: 6.8/1

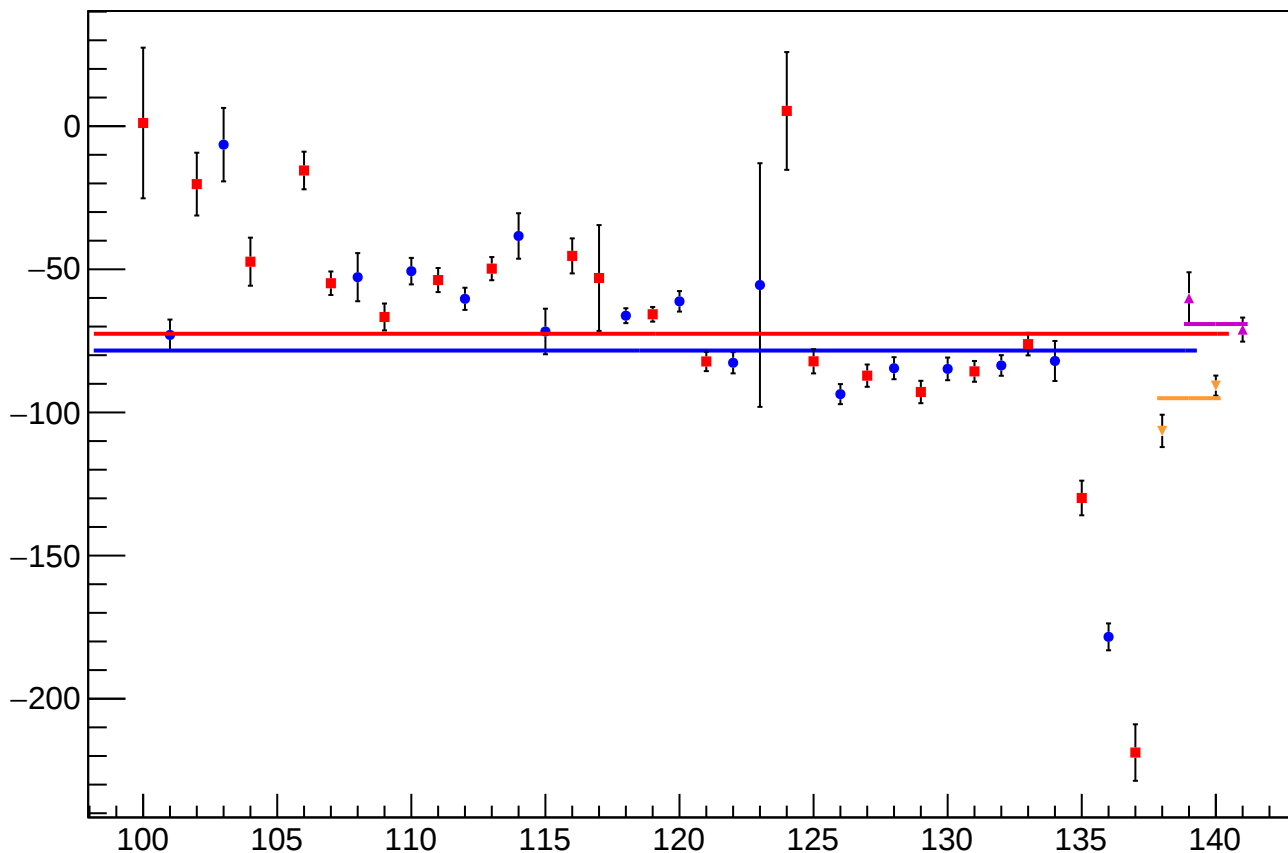
Right Out: -185.871+/-1.695 χ^2 /NDF: 1752.0/19

Left In: -231.634+/-3.844 χ^2 /NDF: 7.1/1

-199.811+/-1.603 χ^2 /NDF: 633.4/18

-193.325+/-1.551 χ^2 /NDF: 1877.8/21

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 $\chi^2/\text{NDF}: 651.4/16$

Left Out: -95.022 ± 2.981 $\chi^2/\text{NDF}: 5.7/1$

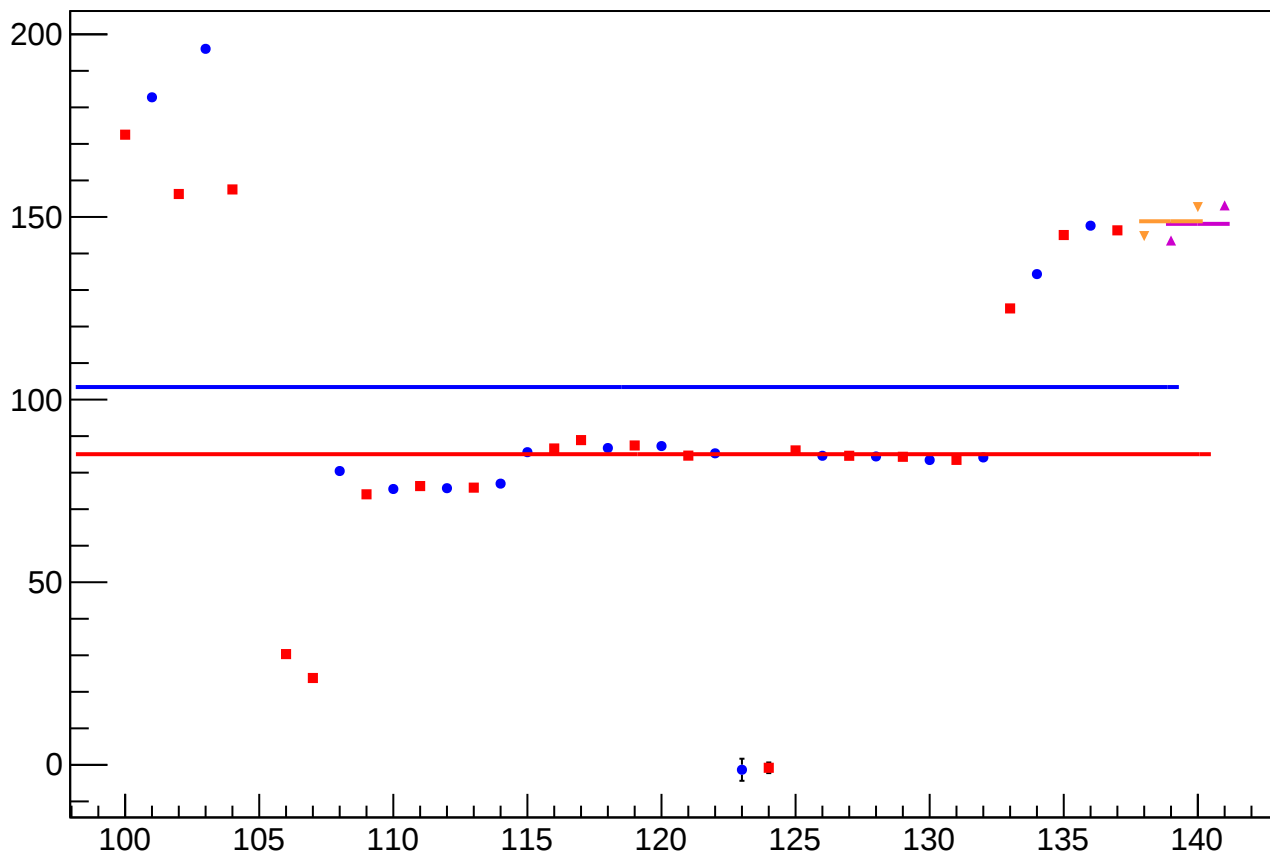
Right Out: -72.514 ± 1.050 $\chi^2/\text{NDF}: 607.0/19$

Left In: -69.114 ± 3.812 $\chi^2/\text{NDF}: 1.2/1$

-80.312 ± 1.017 $\chi^2/\text{NDF}: 684.6/18$

-72.274 ± 1.012 $\chi^2/\text{NDF}: 608.9/21$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2/NDF : 272785.6/16

Left Out: 148.819 $\pm$ 0.148 χ^2/NDF : 715.0/1

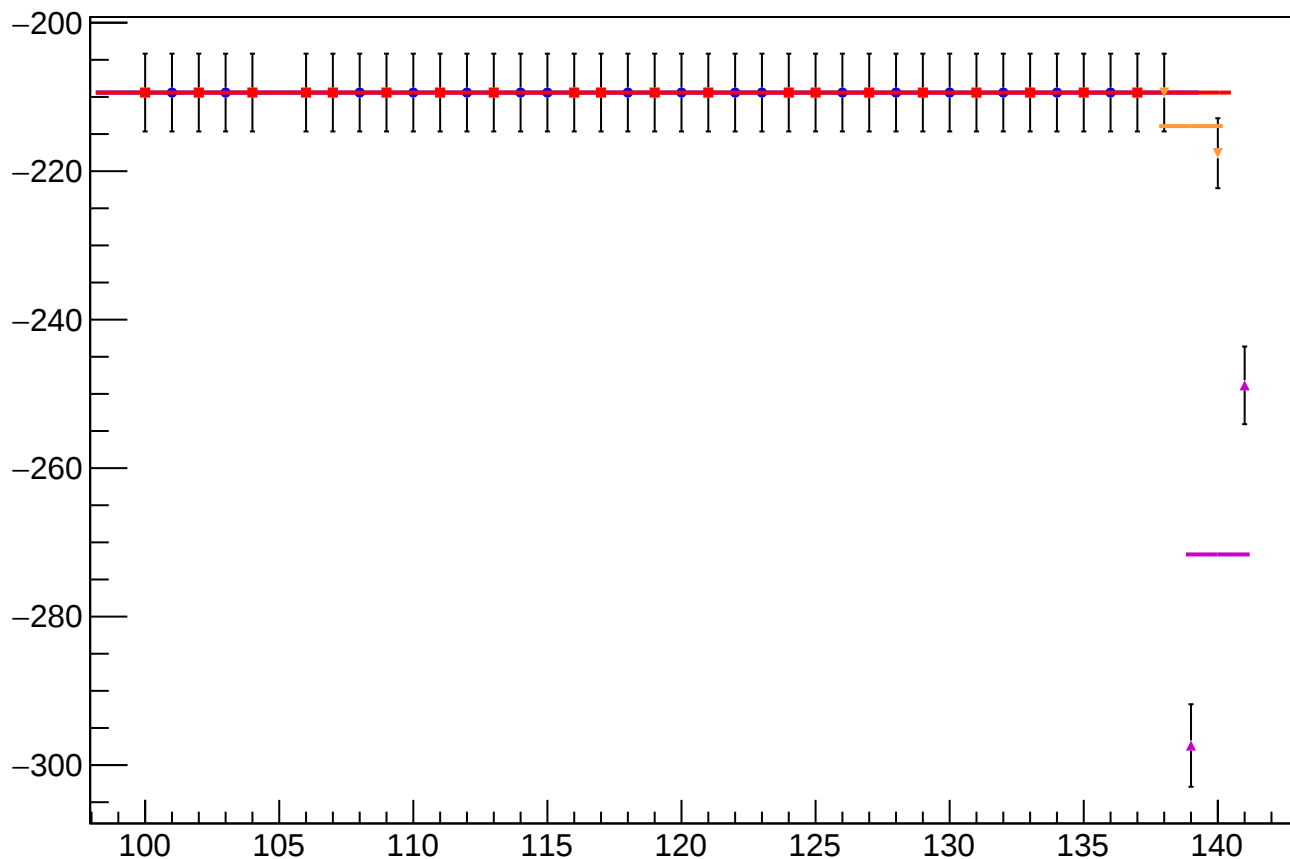
Right Out: 85.054 $\pm$ 0.064 χ^2/NDF : 422354.0/19

Left In: 148.111 $\pm$ 0.145 χ^2/NDF : 1093.6/1

111.870 $\pm$ 0.064 χ^2/NDF : 349686.4/18

95.220 $\pm$ 0.058 χ^2/NDF : 581705.7/21

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -209.411+/-1.271 χ^2 /NDF: 0.0/16

Left Out: -213.929+/-3.503 χ^2 /NDF:1.3/1

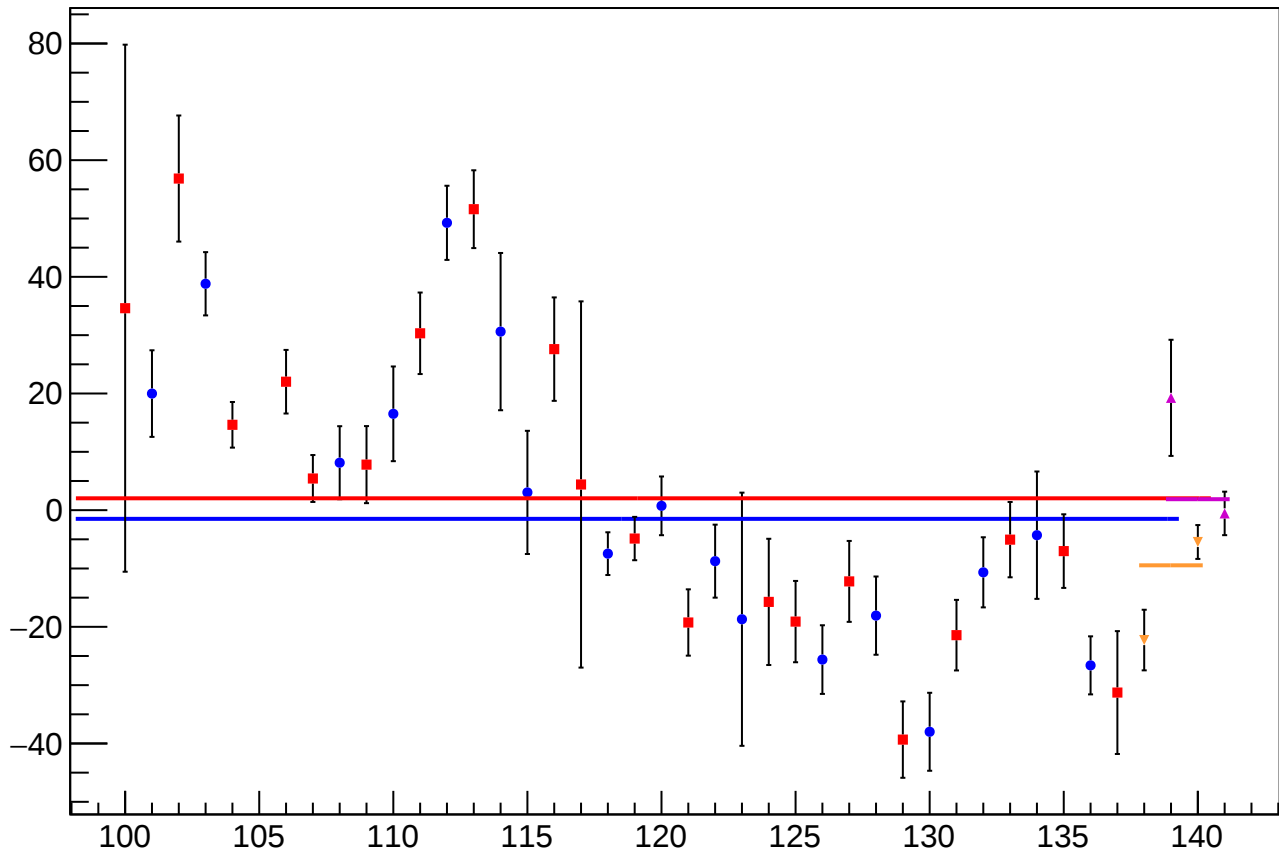
Right Out: -209.411+/-1.172 χ^2 /NDF: 0.0/19

Left In: -271.625+/-3.810 χ^2 /NDF:40.4/1

-209.936+/-1.195 χ^2 /NDF: 2.8/18

-214.785+/-1.120 χ^2 /NDF: 284.0/21

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490+/-1.536 χ^2/NDF : 226.0/16

Left Out: -9.456+/-2.534 χ^2/NDF : 8.0/1

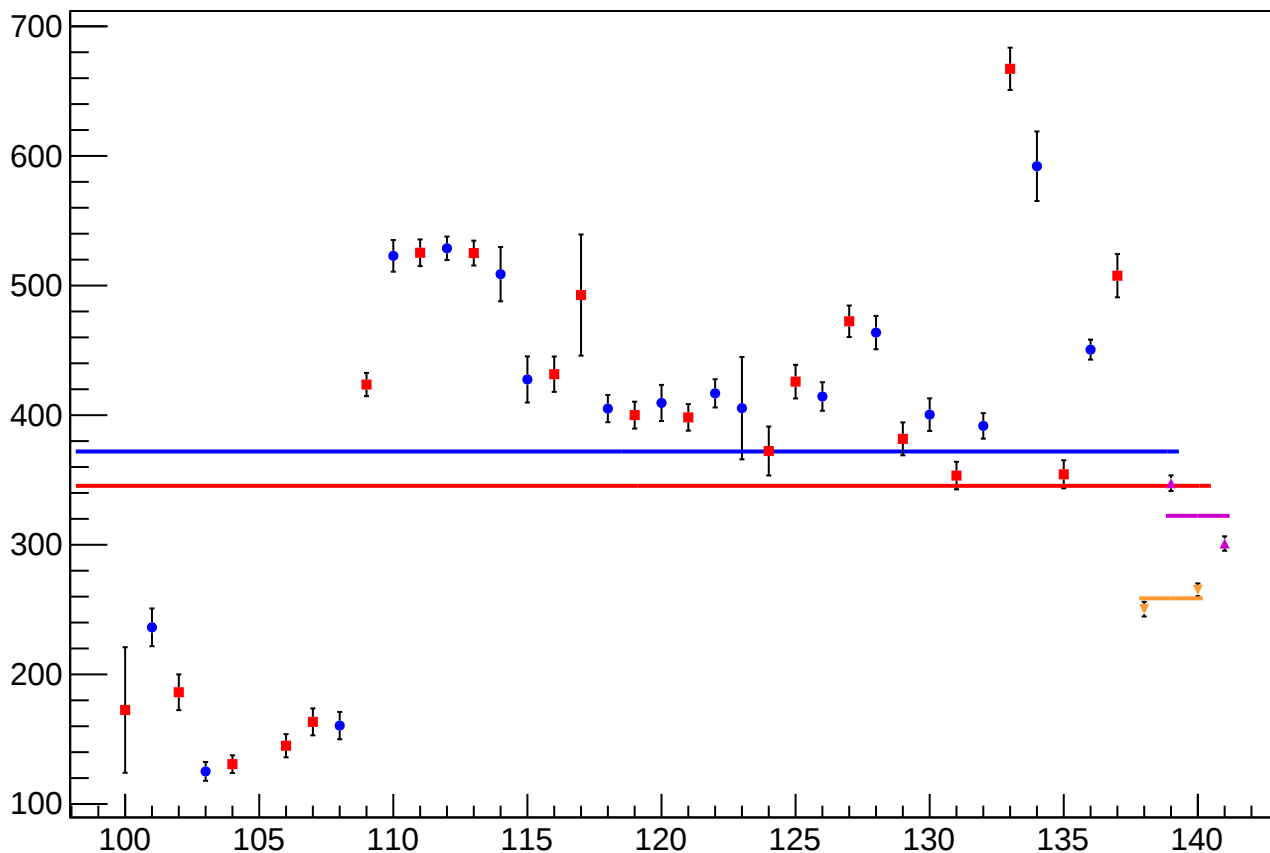
Right Out: 2.032+/-1.398 χ^2/NDF : 233.3/19

Left In: 1.879+/-3.491 χ^2/NDF : 3.5/1

-3.631+/-1.314 χ^2/NDF : 241.2/18

2.011+/-1.298 χ^2/NDF : 236.8/21

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975±/-2.778 χ^2/NDF : 2432.6/16

Left Out: 258.693±/-3.759 χ^2/NDF : 3.9/1

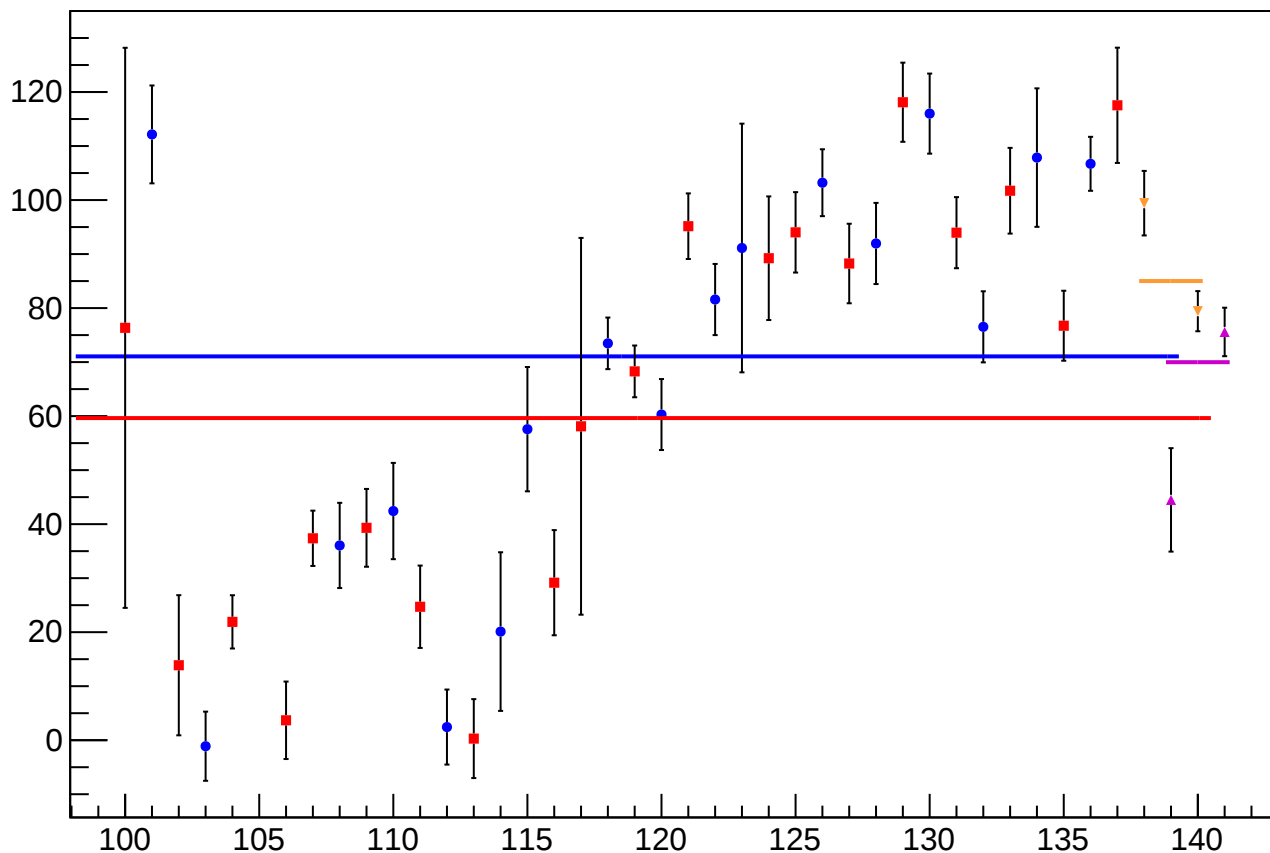
Right Out: 345.485±/-2.558 χ^2/NDF : 3425.1/19

Left In: 322.366±/-4.087 χ^2/NDF : 32.2/1

331.965±/-2.234 χ^2/NDF : 3023.9/18

338.977±/-2.168 χ^2/NDF : 3480.4/21

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2/NDF : 426.2/16

Left Out: 85.007 $\pm$ 3.156 χ^2/NDF : 8.1/1

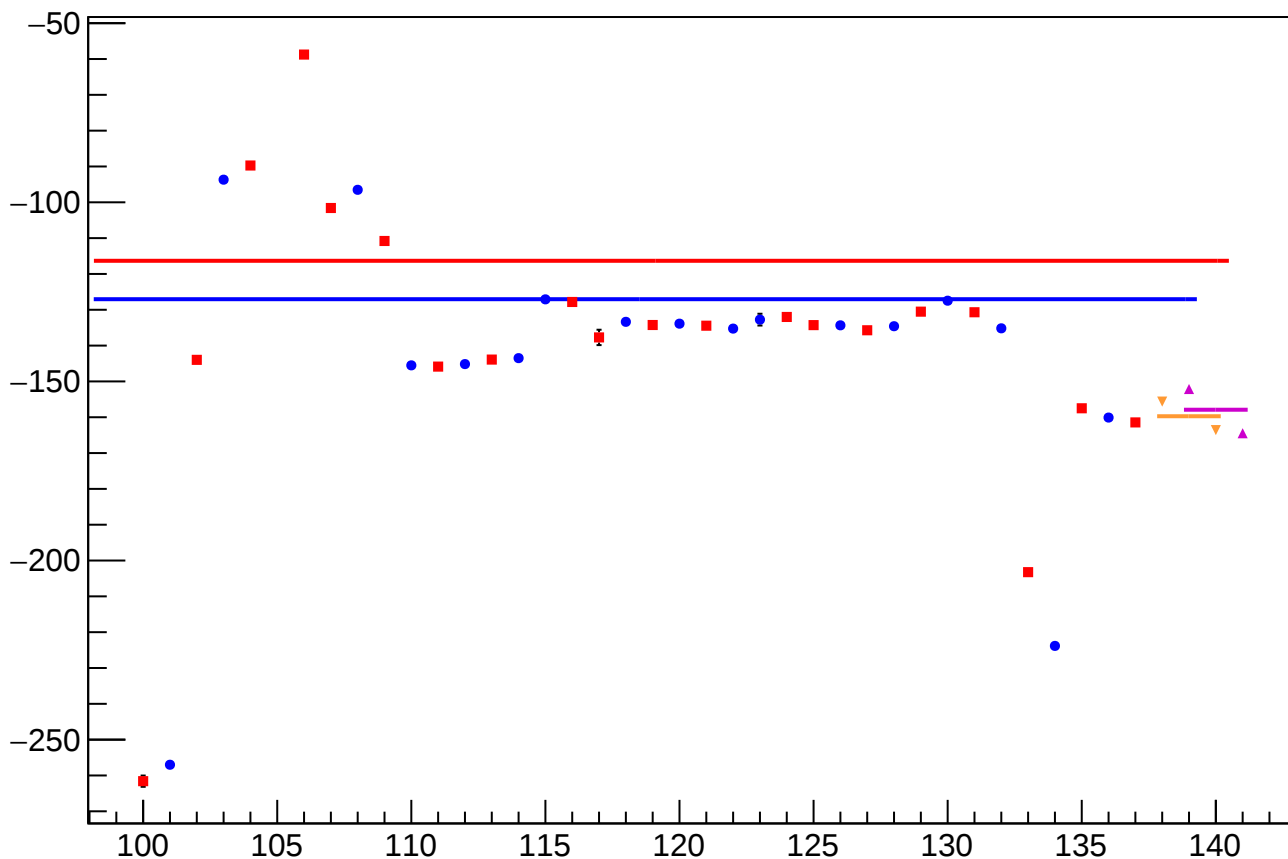
Right Out: 59.634 $\pm$ 1.629 χ^2/NDF : 491.6/19

Left In: 69.982 $\pm$ 4.064 χ^2/NDF : 8.6/1

74.378 $\pm$ 1.540 χ^2/NDF : 449.2/18

61.067 $\pm$ 1.512 χ^2/NDF : 505.9/21

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -159.721+/-0.157 χ^2/NDF : 640.2/1

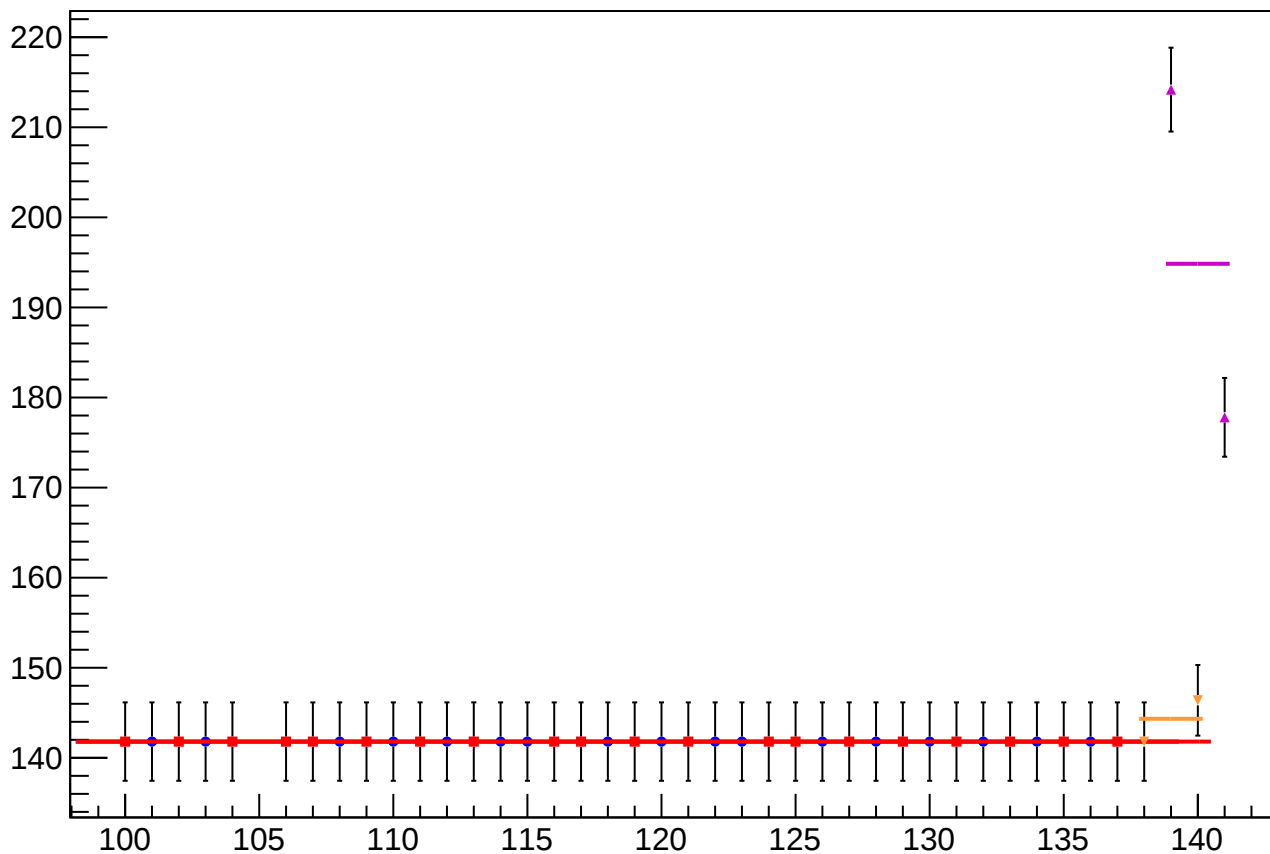
Right Out: -116.327+/-0.083 χ^2/NDF : 167208.7/19

Left In: -157.903+/-0.154 χ^2/NDF : 1596.2/1

-135.082+/-0.078 χ^2/NDF : 200219.6/18

-125.649+/-0.073 χ^2/NDF : 225168.9/21

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 141.803+/-1.055 χ^2/NDF : 0.0/16

Left Out: 144.335+/-2.912 χ^2/NDF : 0.6/1

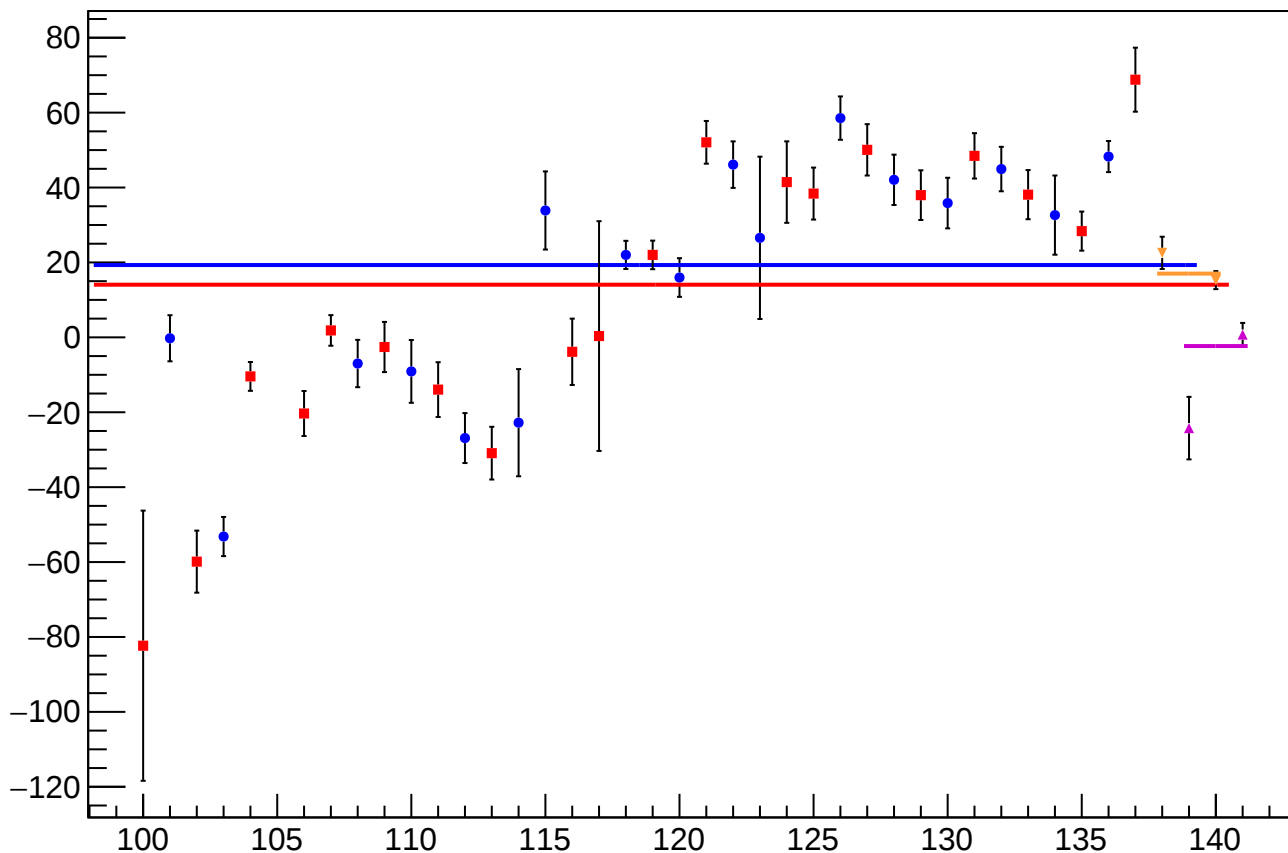
Right Out: 141.803+/-0.973 χ^2/NDF : 0.0/19

Left In: 194.847+/-3.187 χ^2/NDF : 32.4/1

142.097+/-0.992 χ^2/NDF : 1.3/18

146.325+/-0.931 χ^2/NDF : 285.8/21

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 $\pm$ 1.500 χ^2 /NDF: 441.3/16

Left Out: 17.020 $\pm$ 2.104 χ^2 /NDF: 2.2/1

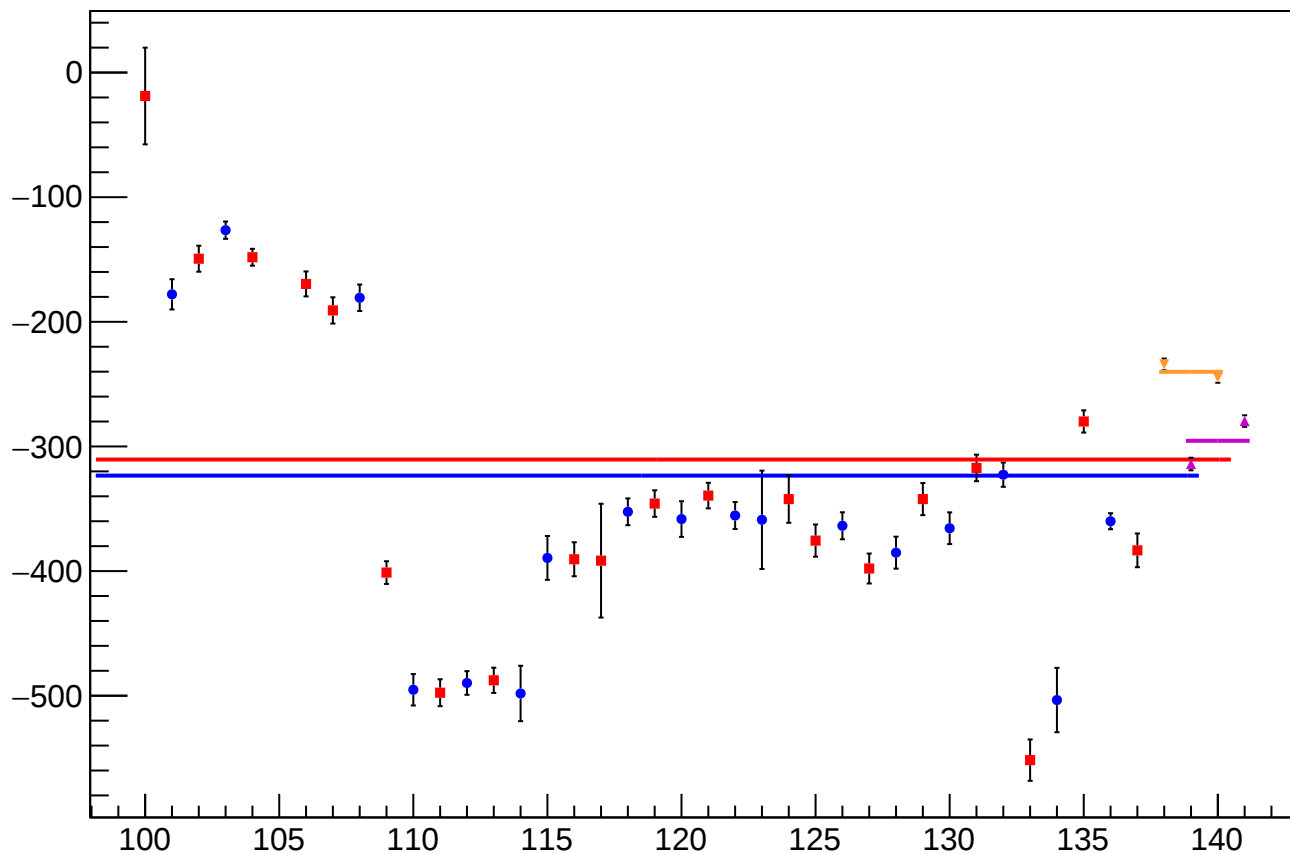
Right Out: 14.055 $\pm$ 1.388 χ^2 /NDF: 437.1/19

Left In: -2.325 $\pm$ 2.920 χ^2 /NDF: 7.9/1

18.537 $\pm$ 1.222 χ^2 /NDF: 444.2/18

11.036 $\pm$ 1.254 χ^2 /NDF: 470.6/21

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 $\pm$ 2.684 χ^2 /NDF: 1849.6/16

Left Out: -240.097 $\pm$ 3.125 χ^2 /NDF: 2.8/1

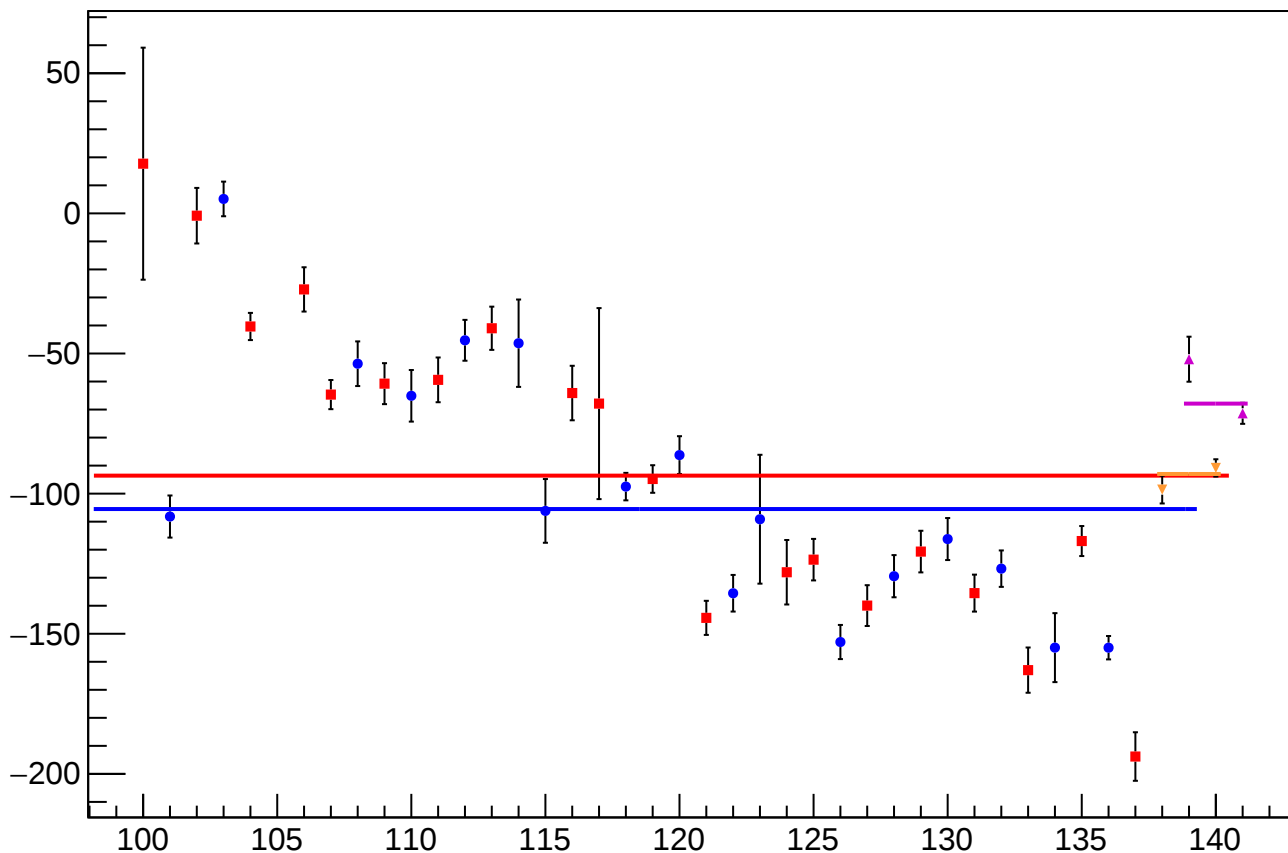
Right Out: -310.484 $\pm$ 2.520 χ^2 /NDF: 2302.0/19

Left In: -295.474 $\pm$ 3.419 χ^2 /NDF: 25.2/1

-288.032 $\pm$ 2.036 χ^2 /NDF: 2261.4/18

-305.200 $\pm$ 2.028 χ^2 /NDF: 2339.7/21

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 $\chi^2/\text{NDF}: 737.3/16$

Left Out: -92.989 ± 2.621 $\chi^2/\text{NDF}: 1.8/1$

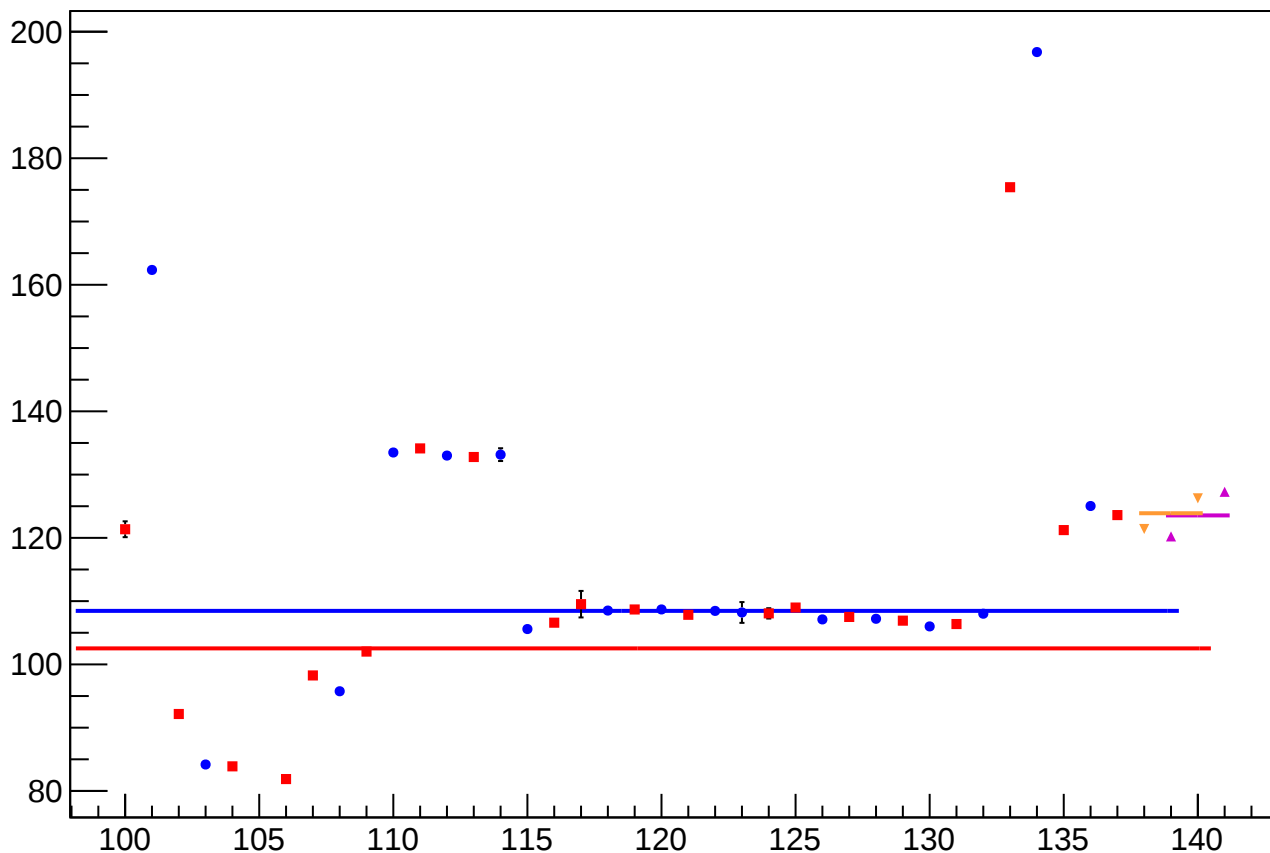
Right Out: -93.579 ± 1.608 $\chi^2/\text{NDF}: 827.7/19$

Left In: -67.882 ± 3.400 $\chi^2/\text{NDF}: 4.7/1$

-101.755 ± 1.433 $\chi^2/\text{NDF}: 755.1/18$

-88.879 ± 1.454 $\chi^2/\text{NDF}: 879.1/21$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460+/-0.085 χ^2/NDF : 73301.9/16

Left Out: 123.892+/-0.131 χ^2/NDF : 343.9/1

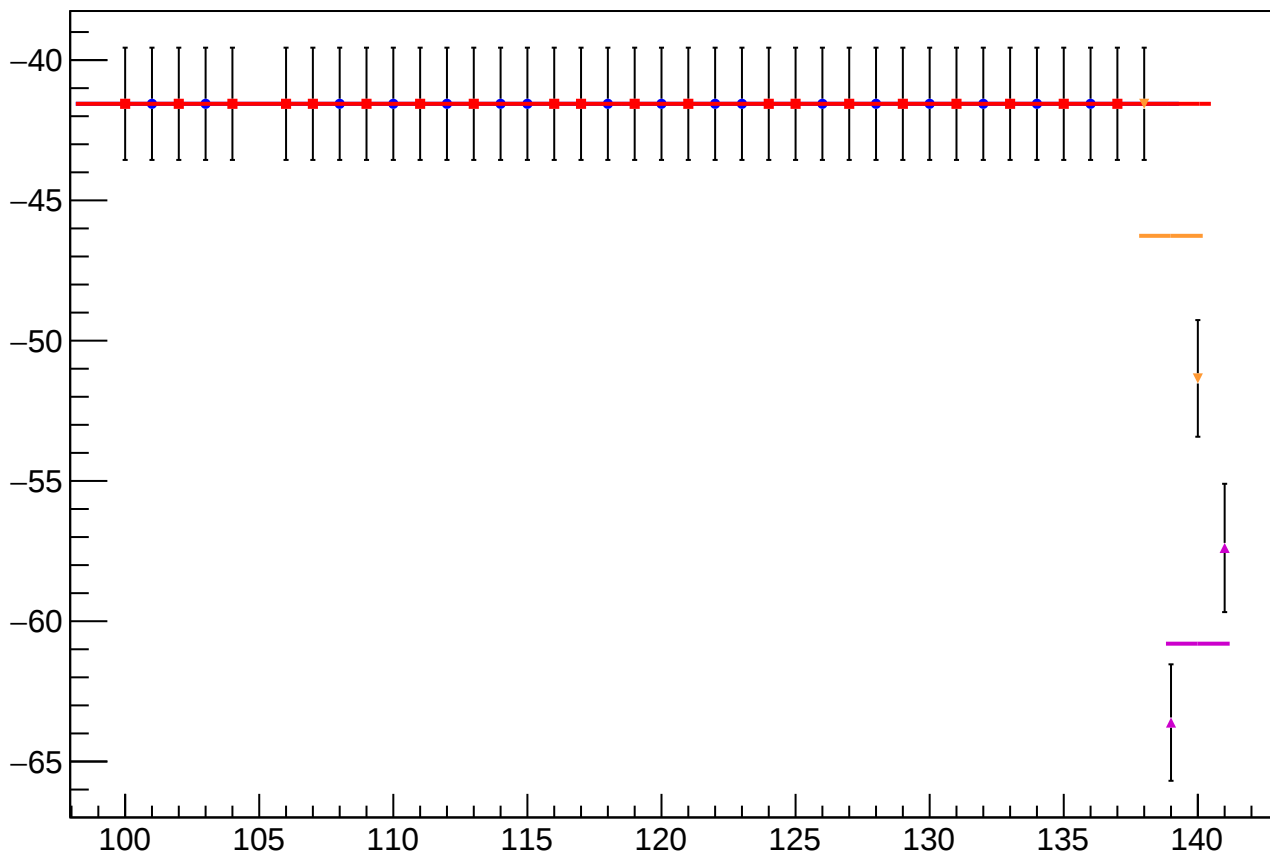
Right Out: 102.532+/-0.079 χ^2/NDF : 53003.2/19

Left In: 123.548+/-0.129 χ^2/NDF : 742.7/1

113.050+/-0.071 χ^2/NDF : 83449.9/18

108.306+/-0.068 χ^2/NDF : 72953.5/21

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -41.558 ± 0.485 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -46.263 ± 1.442 $\chi^2/\text{NDF}: 11.5/1$

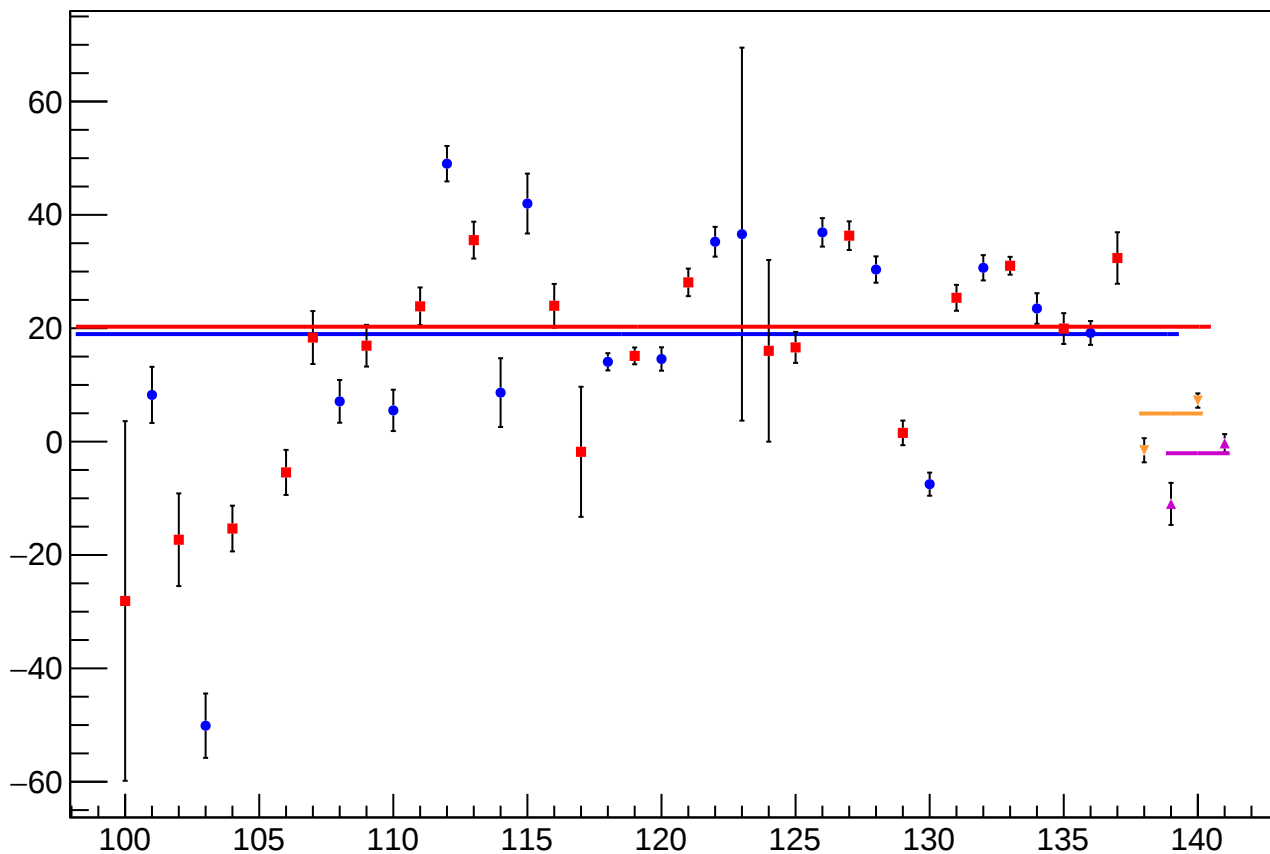
Right Out: -41.558 ± 0.447 $\chi^2/\text{NDF}: 0.0/19$

Left In: -60.800 ± 1.537 $\chi^2/\text{NDF}: 4.1/1$

-42.037 ± 0.460 $\chi^2/\text{NDF}: 21.1/18$

-43.061 ± 0.430 $\chi^2/\text{NDF}: 148.6/21$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 ± 0.653 $\chi^2/\text{NDF} = 618.4/16$

Left Out: 4.959 ± 1.088 $\chi^2/\text{NDF} = 12.5/1$

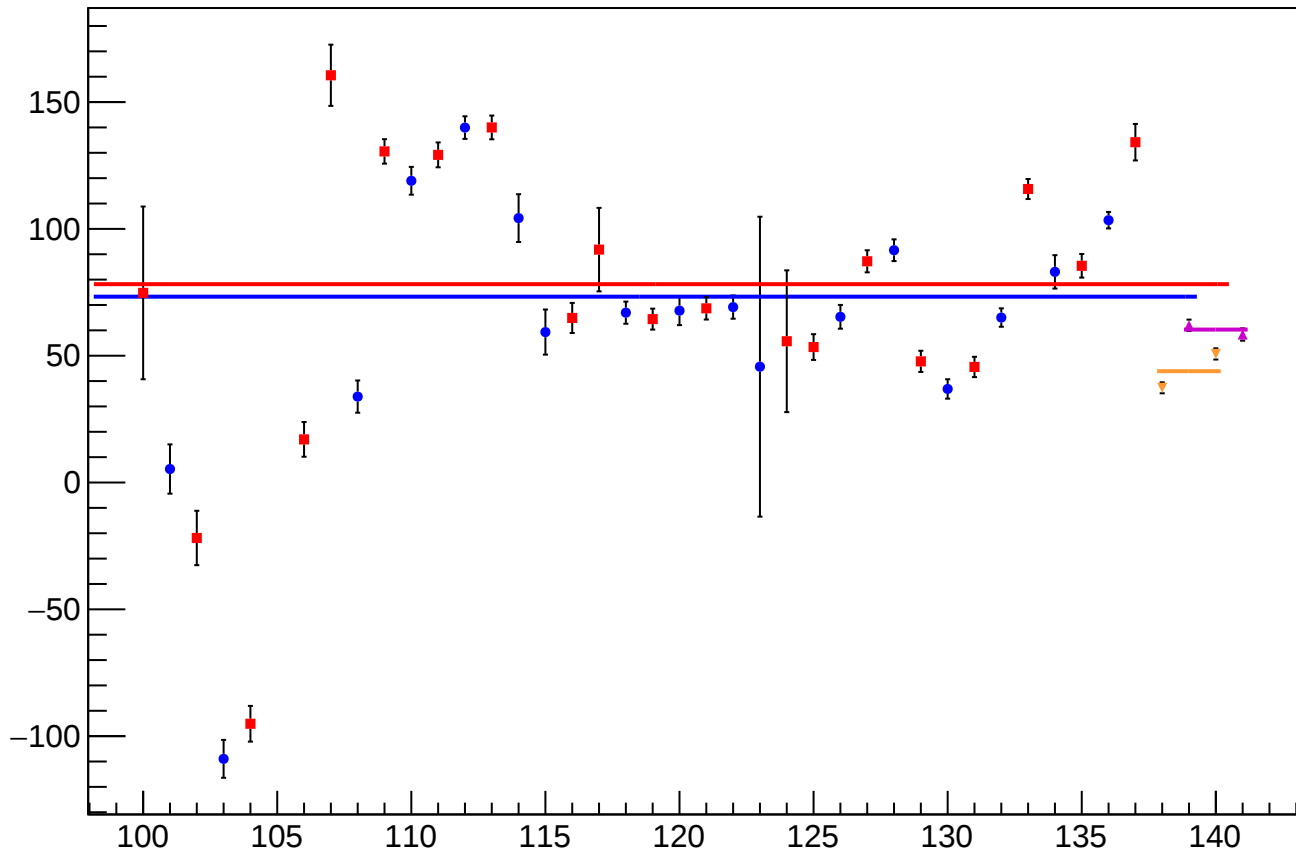
Right Out: 20.269 ± 0.641 $\chi^2/\text{NDF} = 370.1/19$

Left In: -2.048 ± 1.498 $\chi^2/\text{NDF} = 6.9/1$

15.258 ± 0.560 $\chi^2/\text{NDF} = 752.9/18$

16.815 ± 0.589 $\chi^2/\text{NDF} = 564.5/21$

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 43.894 $\pm$ 1.550 χ^2 /NDF: 18.6/1

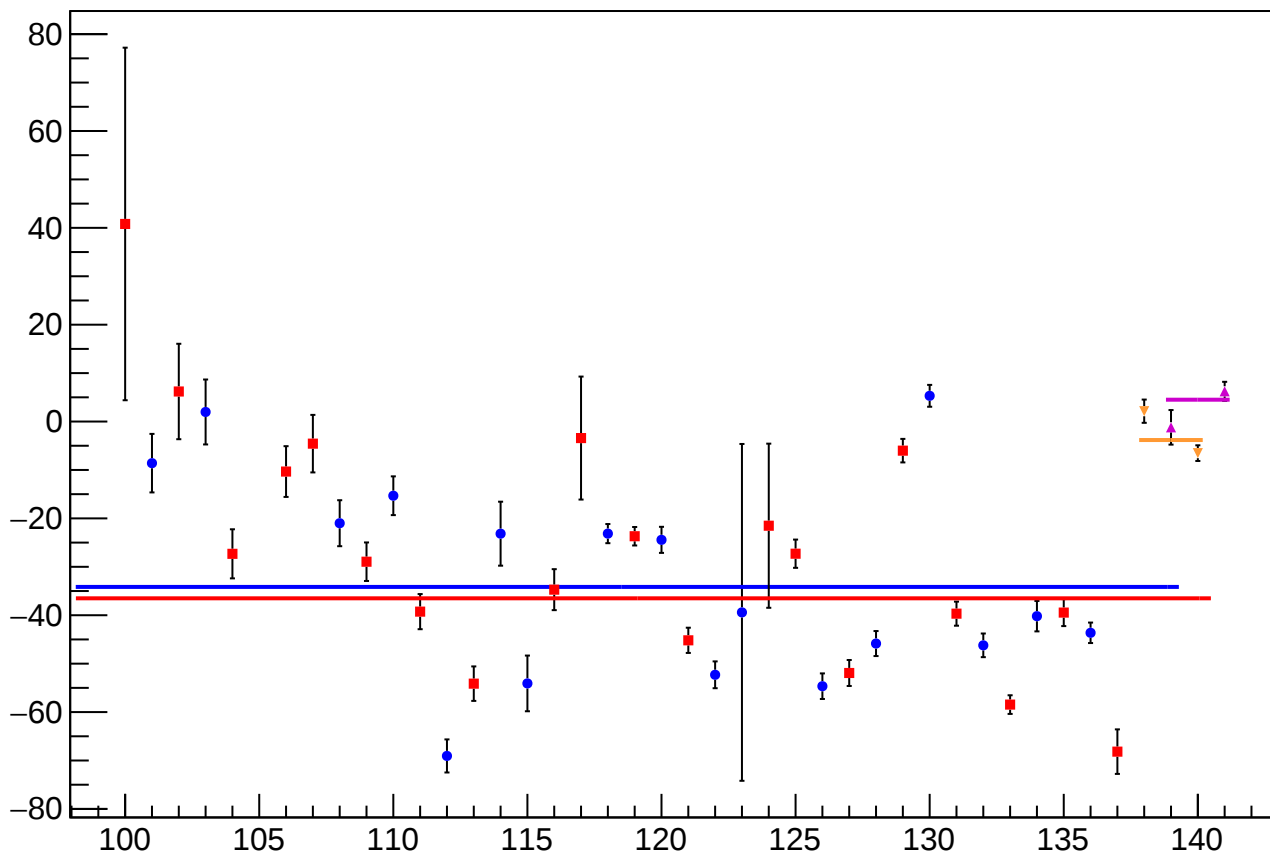
Right Out: 78.205 $\pm$ 1.219 χ^2 /NDF: 1544.0/19

Left In: 60.303 $\pm$ 1.651 χ^2 /NDF: 1.2/1

61.850 $\pm$ 0.967 χ^2 /NDF: 1436.8/18

71.890 $\pm$ 0.981 χ^2 /NDF: 1621.3/21

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 $\chi^2/\text{NDF}: 717.5/16$

Left Out: -3.819 ± 1.342 $\chi^2/\text{NDF}: 8.9/1$

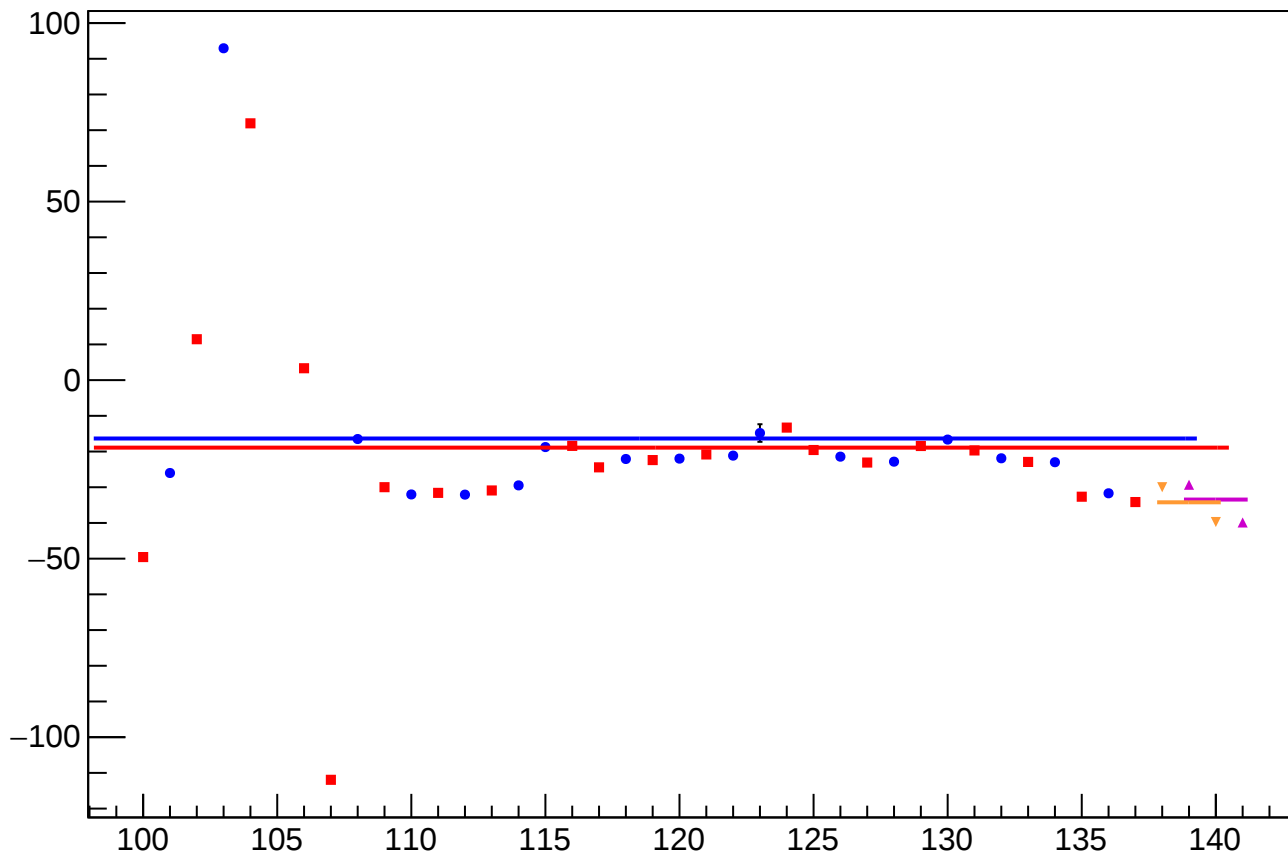
Right Out: -36.507 ± 0.735 $\chi^2/\text{NDF}: 553.8/19$

Left In: 4.509 ± 1.722 $\chi^2/\text{NDF}: 3.3/1$

-27.011 ± 0.651 $\chi^2/\text{NDF}: 1116.9/18$

-30.193 ± 0.676 $\chi^2/\text{NDF}: 1037.1/21$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 χ^2/NDF : 474192.3/16

Left Out: -34.220 ± 0.064 χ^2/NDF : 5776.8/1

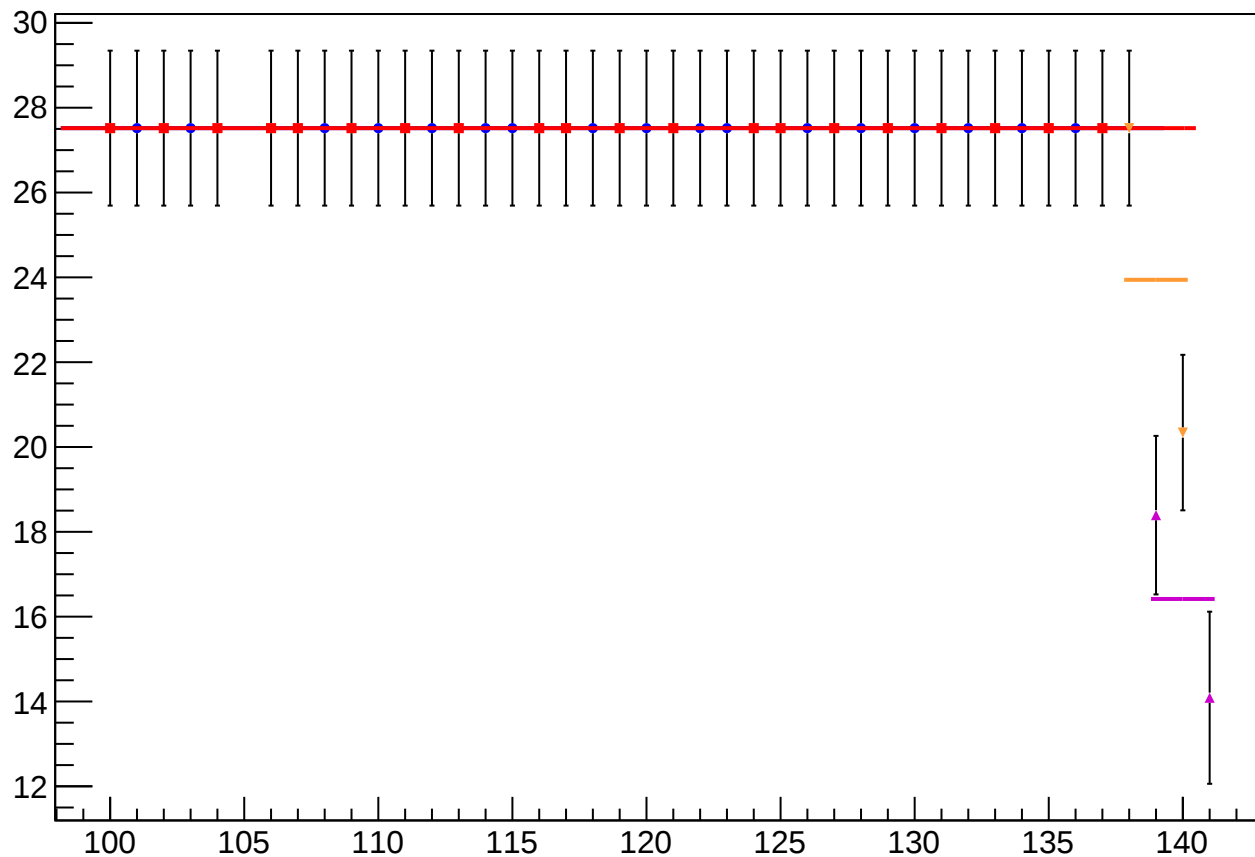
Right Out: -18.906 ± 0.045 χ^2/NDF : 433847.1/19

Left In: -33.451 ± 0.061 χ^2/NDF : 7054.2/1

-22.253 ± 0.037 χ^2/NDF : 532912.4/18

-24.017 ± 0.036 χ^2/NDF : 477259.3/21

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 27.518 $\pm$ 0.443 χ^2 /NDF: 0.0/16

Left Out: 23.943 $\pm$ 1.294 χ^2 /NDF: 7.7/1

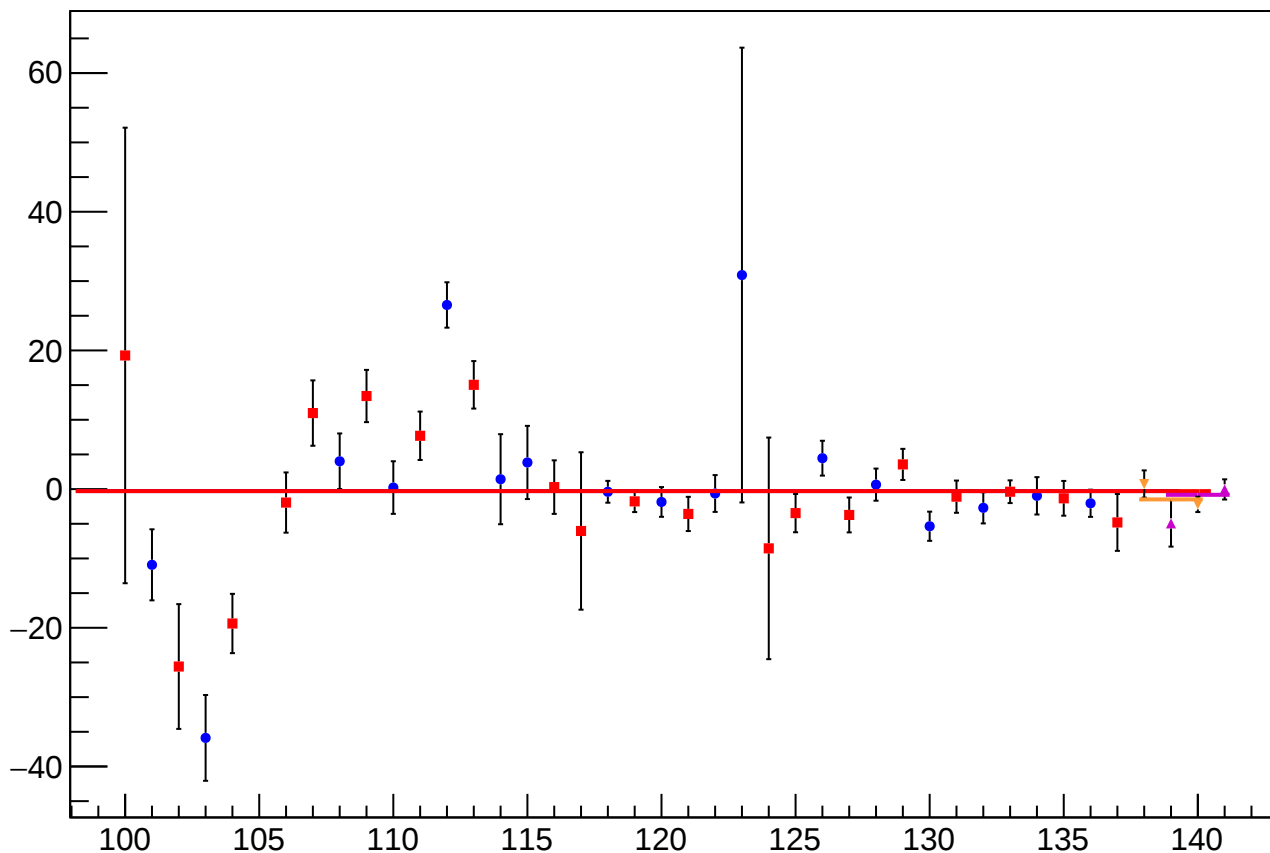
Right Out: 27.518 $\pm$ 0.408 χ^2 /NDF: 0.0/19

Left In: 16.417 $\pm$ 1.375 χ^2 /NDF: 2.4/1

27.143 $\pm$ 0.419 χ^2 /NDF: 14.5/18

26.618 $\pm$ 0.392 χ^2 /NDF: 62.4/21

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.486 ± 0.967 χ^2/NDF : 1.7/1

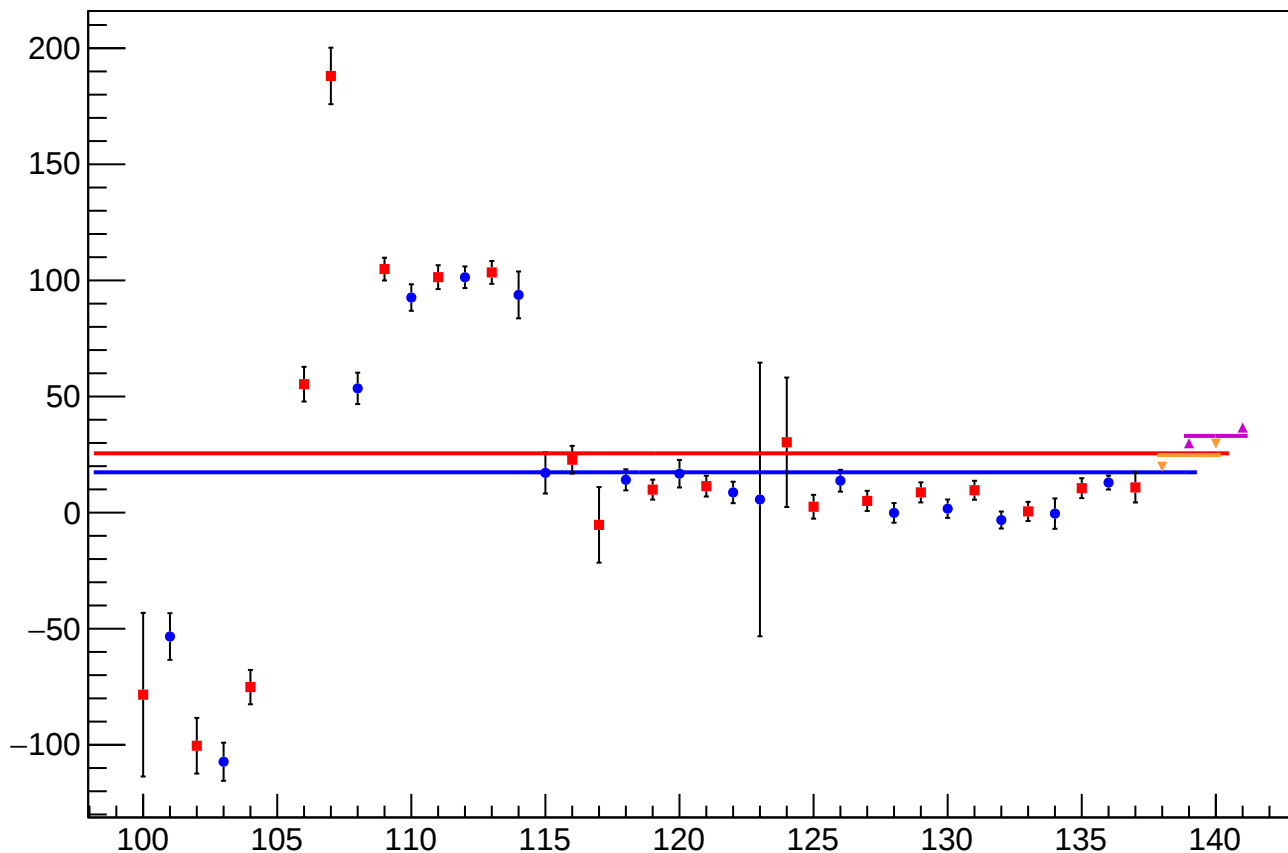
Right Out: -0.289 ± 0.655 χ^2/NDF : 83.4/19

Left In: -0.823 ± 1.336 χ^2/NDF : 1.8/1

-0.665 ± 0.546 χ^2/NDF : 122.3/18

-0.392 ± 0.588 χ^2/NDF : 85.4/21

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 24.810 ± 1.391 $\chi^2/\text{NDF}: 12.8/1$

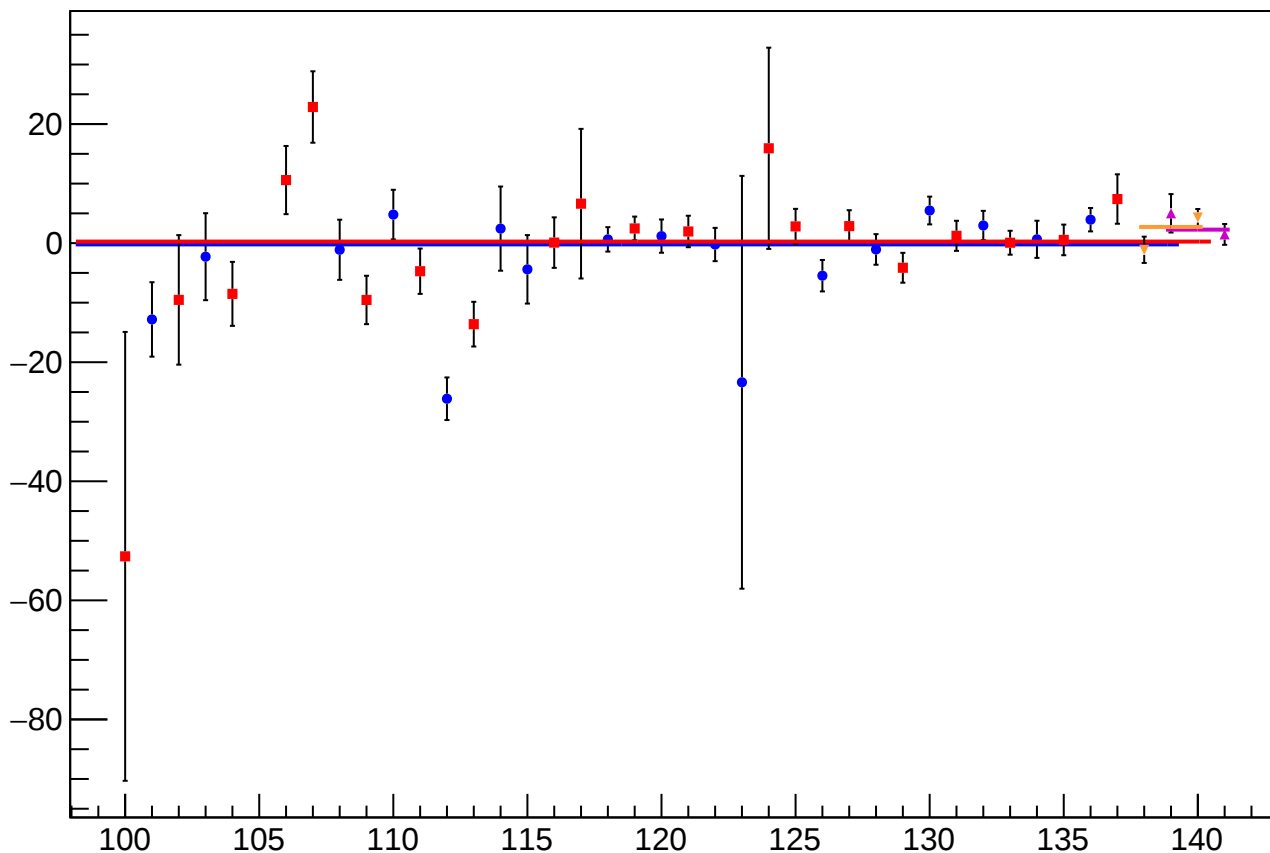
Right Out: 25.537 ± 1.239 $\chi^2/\text{NDF}: 1382.4/19$

Left In: 33.036 ± 1.476 $\chi^2/\text{NDF}: 5.2/1$

20.680 ± 0.928 $\chi^2/\text{NDF}: 971.8/18$

28.636 ± 0.949 $\chi^2/\text{NDF}: 1402.8/21$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.718 ± 1.195 χ^2/NDF : 4.3/1

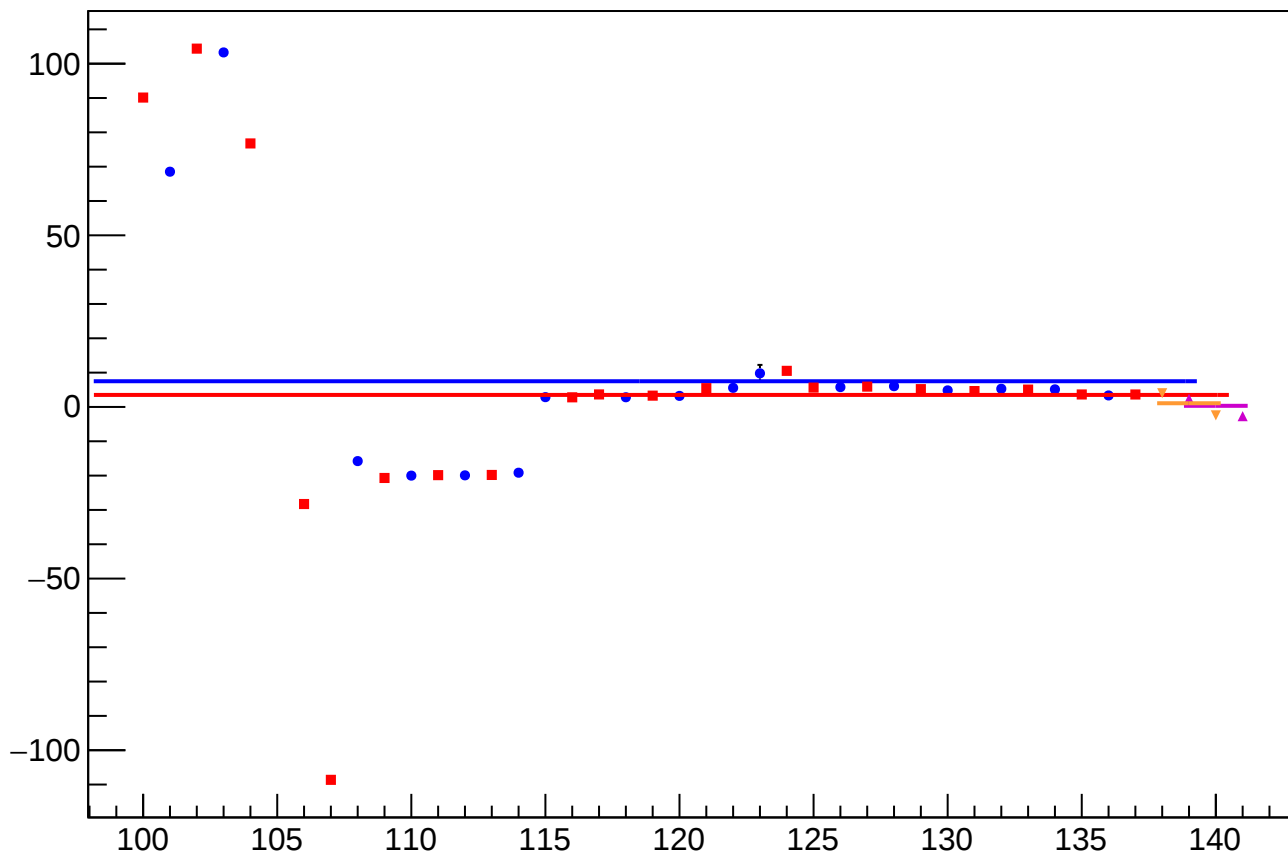
Right Out: 0.262 ± 0.747 χ^2/NDF : 54.8/19

Left In: 2.268 ± 1.535 χ^2/NDF : 0.9/1

0.619 ± 0.636 χ^2/NDF : 84.5/18

0.646 ± 0.672 χ^2/NDF : 57.1/21

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492+/-0.045 χ^2/NDF : 355979.0/16

Left Out: 1.079+/-0.057 χ^2/NDF : 3171.9/1

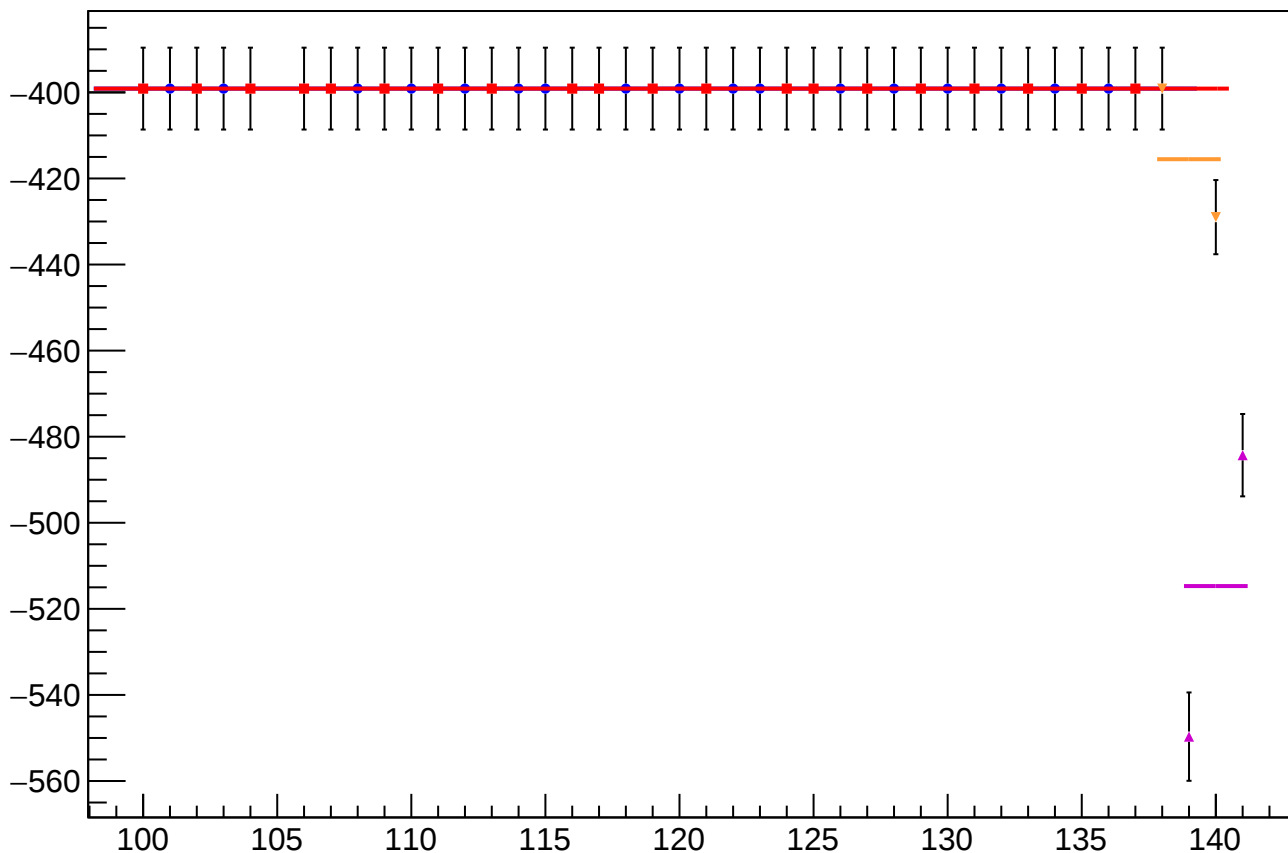
Right Out: 3.504+/-0.046 χ^2/NDF : 510579.5/19

Left In: 0.331+/-0.055 χ^2/NDF : 2028.9/1

5.052+/-0.035 χ^2/NDF : 367005.6/18

2.216+/-0.035 χ^2/NDF : 514579.3/21

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -399.124+/-2.307 χ^2/NDF : 0.0/16

Left Out: -415.526+/-6.386 χ^2/NDF : 5.4/1

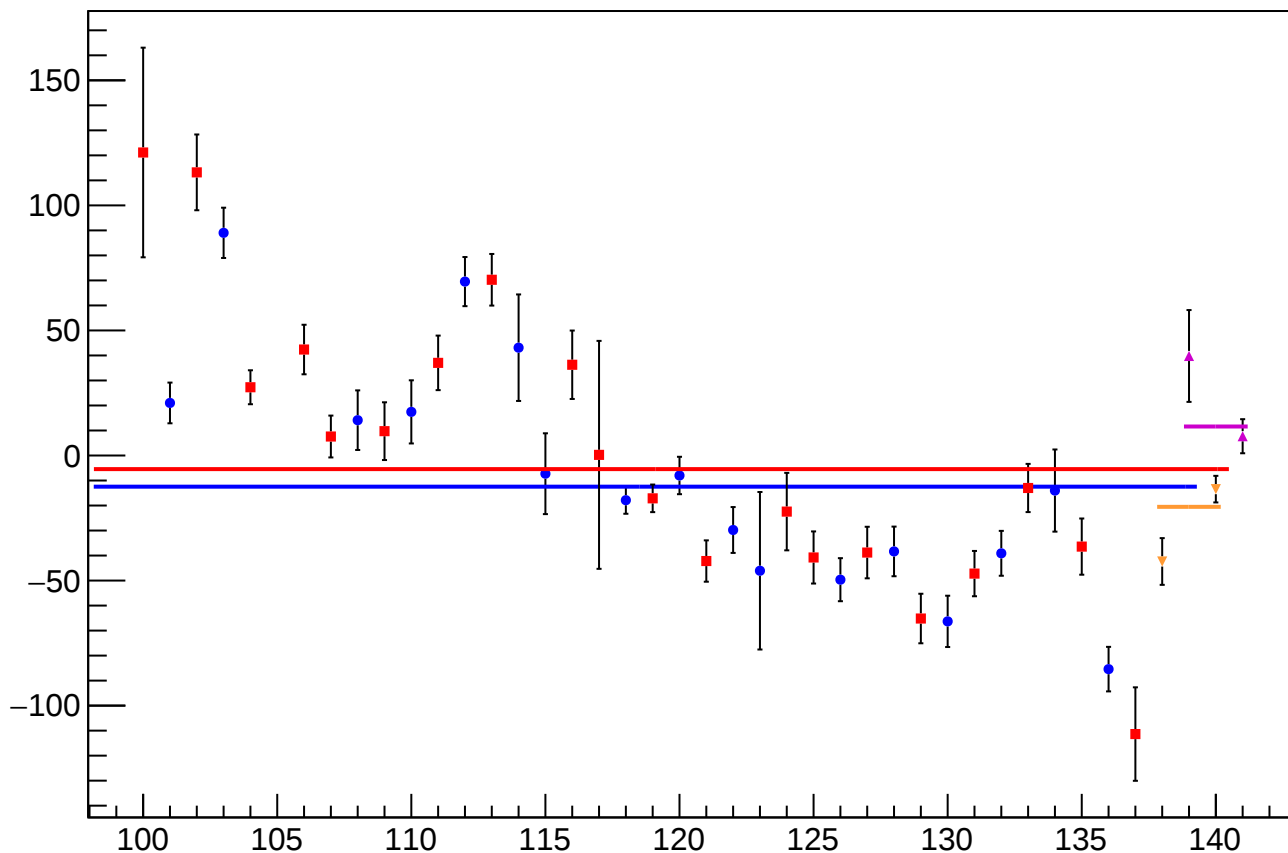
Right Out: -399.124+/-2.127 χ^2/NDF : 0.0/19

Left In: -514.707+/-6.999 χ^2/NDF : 21.7/1

-401.017+/-2.170 χ^2/NDF : 11.2/18

-408.896+/-2.035 χ^2/NDF : 271.4/21

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 $\chi^2/\text{NDF}: 341.1/16$

Left Out: -20.524 ± 4.620 $\chi^2/\text{NDF}: 7.2/1$

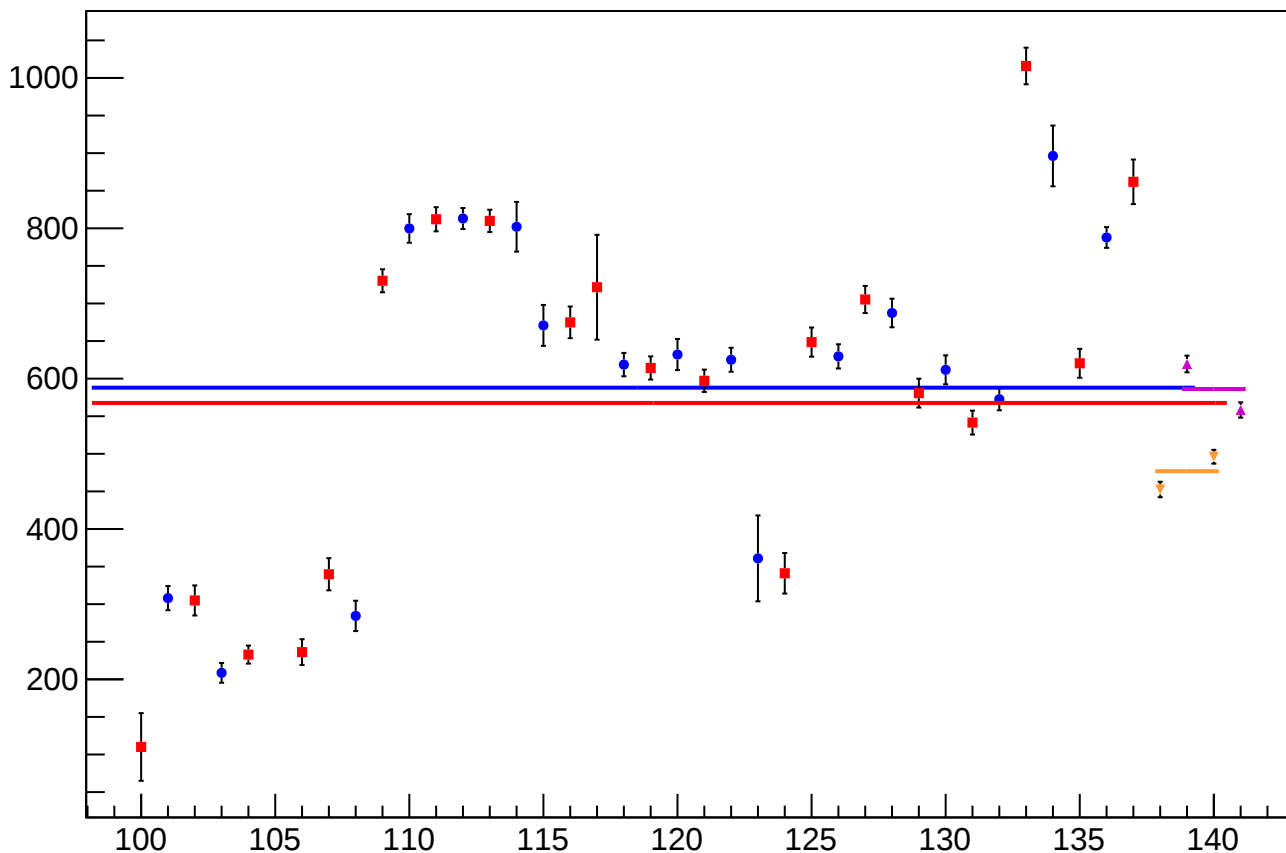
Right Out: -5.439 ± 2.256 $\chi^2/\text{NDF}: 345.0/19$

Left In: 11.595 ± 6.387 $\chi^2/\text{NDF}: 2.7/1$

-14.114 ± 2.094 $\chi^2/\text{NDF}: 350.7/18$

-3.550 ± 2.127 $\chi^2/\text{NDF}: 354.0/21$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 ± 4.353 χ^2/NDF : 2129.6/16

Left Out: 476.862 ± 6.853 χ^2/NDF : 10.0/1

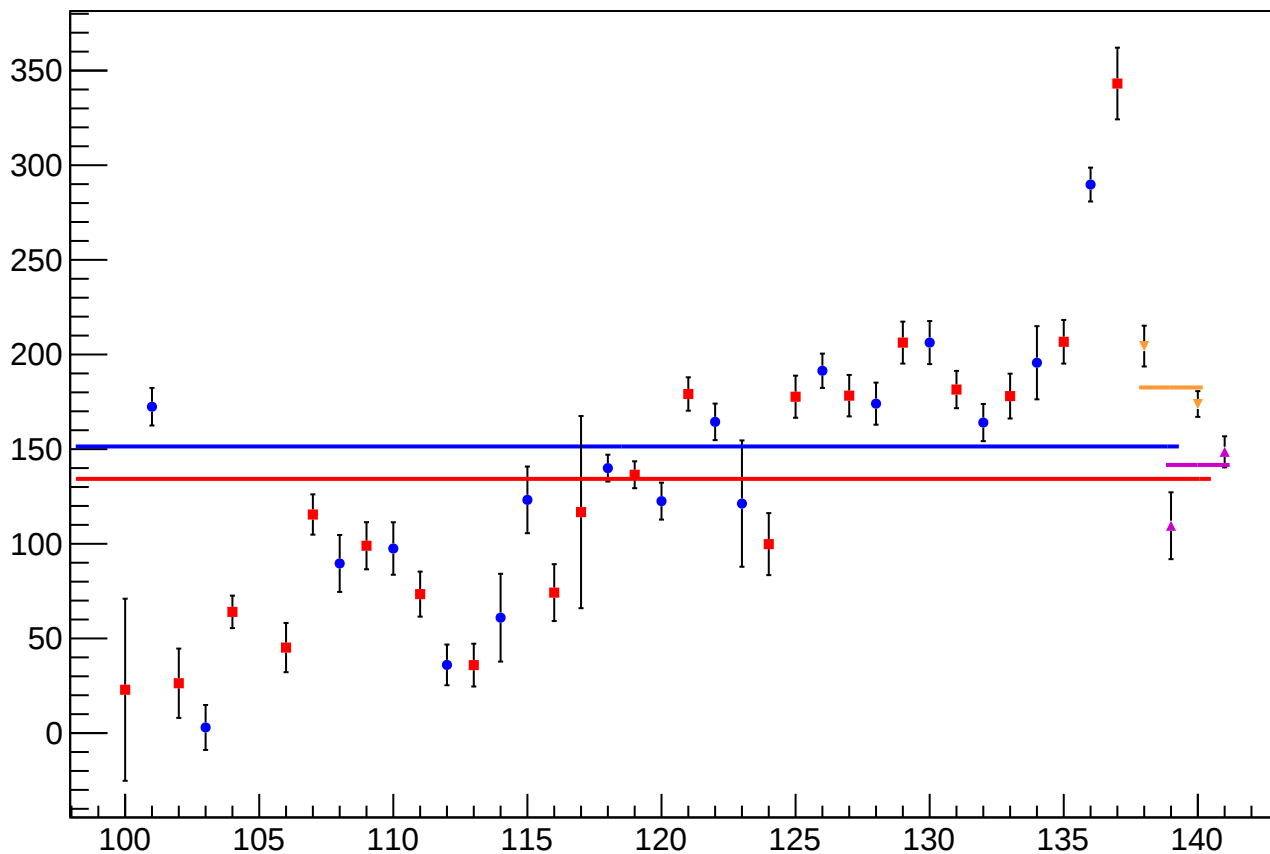
Right Out: 567.720 ± 4.129 χ^2/NDF : 2788.1/19

Left In: 586.188 ± 7.507 χ^2/NDF : 16.5/1

556.048 ± 3.674 χ^2/NDF : 2327.0/18

572.010 ± 3.618 χ^2/NDF : 2809.2/21

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 ± 2.709 χ^2/NDF : 633.3/16

Left Out: 182.585 ± 5.752 χ^2/NDF : 5.8/1

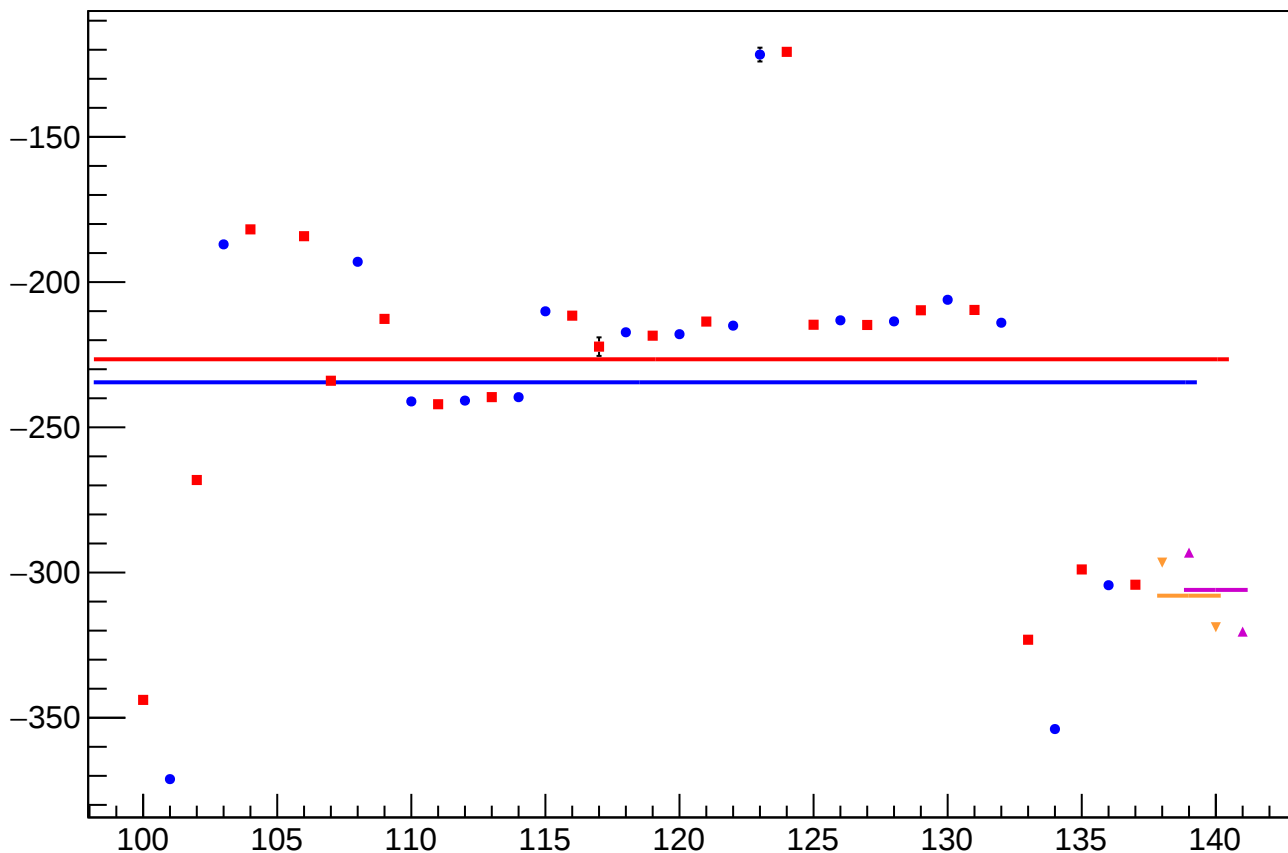
Right Out: 134.299 ± 2.612 χ^2/NDF : 585.0/19

Left In: 141.653 ± 7.444 χ^2/NDF : 4.0/1

157.079 ± 2.451 χ^2/NDF : 663.1/18

135.105 ± 2.465 χ^2/NDF : 589.9/21

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -307.967 ± 0.287 $\chi^2/\text{NDF}: 1503.5/1$

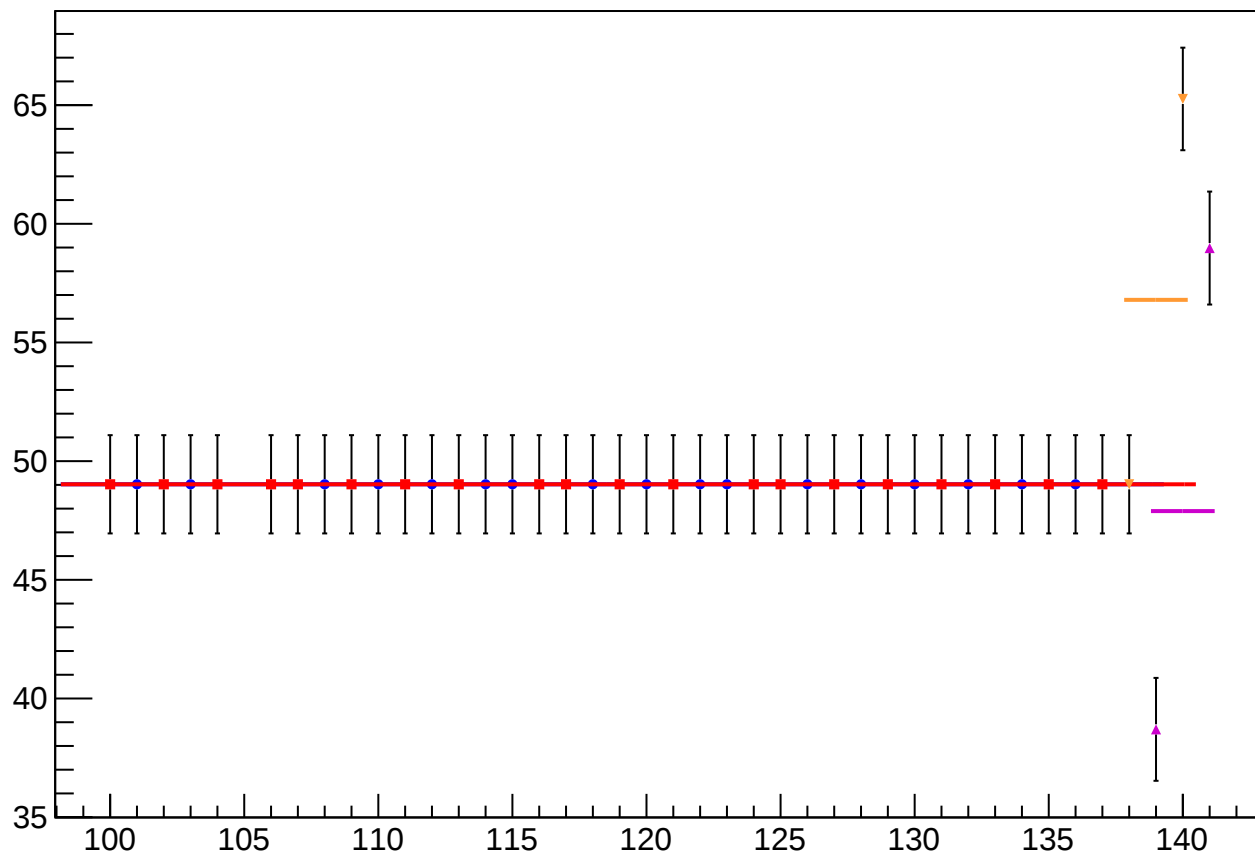
Right Out: -226.572 ± 0.141 $\chi^2/\text{NDF}: 98970.7/19$

Left In: -305.978 ± 0.284 $\chi^2/\text{NDF}: 2292.9/1$

-250.115 ± 0.132 $\chi^2/\text{NDF}: 198198.6/18$

-242.367 ± 0.126 $\chi^2/\text{NDF}: 164106.7/21$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: 49.025 $\pm$ 0.502 χ^2 /NDF: 0.0/16

Left Out: 56.796 $\pm$ 1.495 χ^2 /NDF:29.4/1

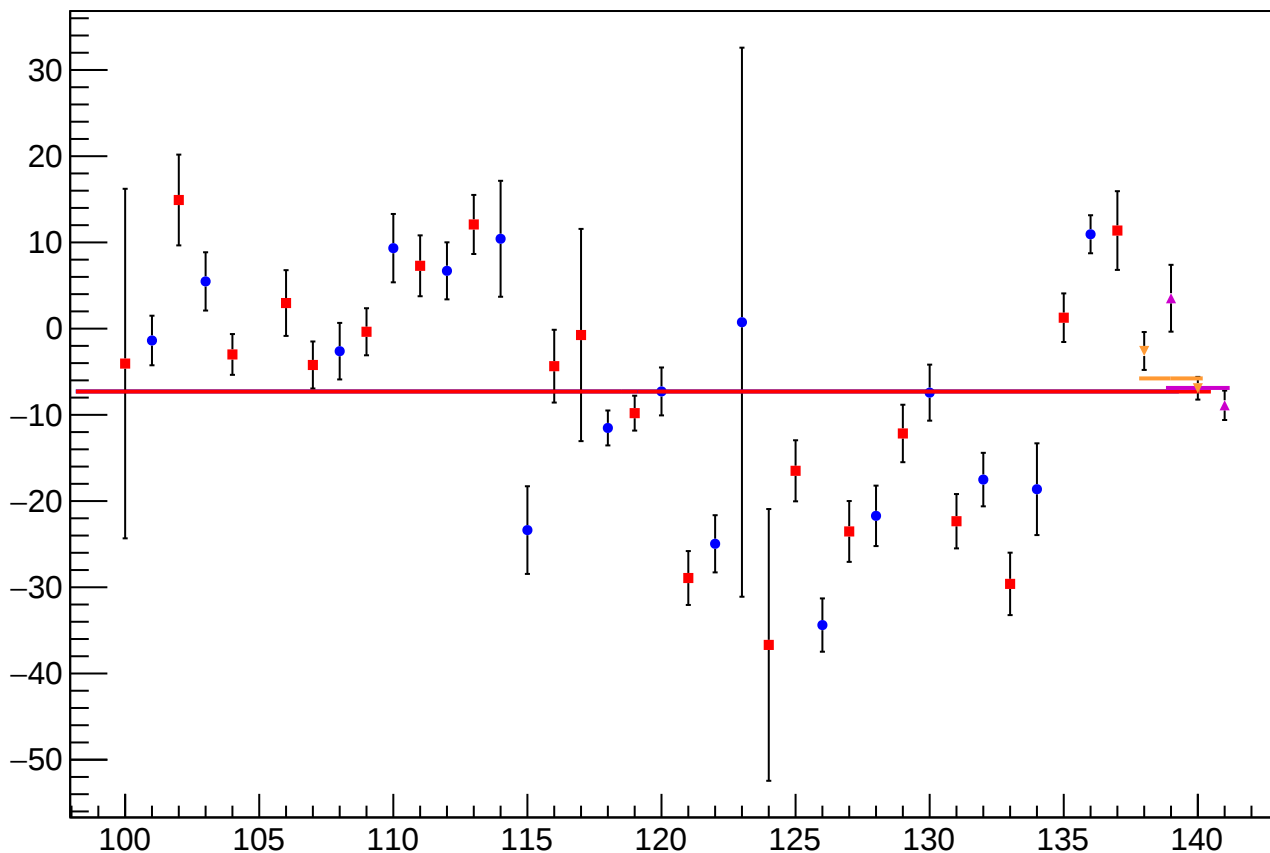
Right Out: 49.025 $\pm$ 0.463 χ^2 /NDF: 0.0/19

Left In: 47.896 $\pm$ 1.602 χ^2 /NDF:39.7/1

49.813 $\pm$ 0.476 χ^2 /NDF: 53.7/18

48.938 $\pm$ 0.445 χ^2 /NDF: 40.1/21

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 $\chi^2/\text{NDF}: 283.2/16$

Left Out: -5.775 ± 1.129 $\chi^2/\text{NDF}: 2.9/1$

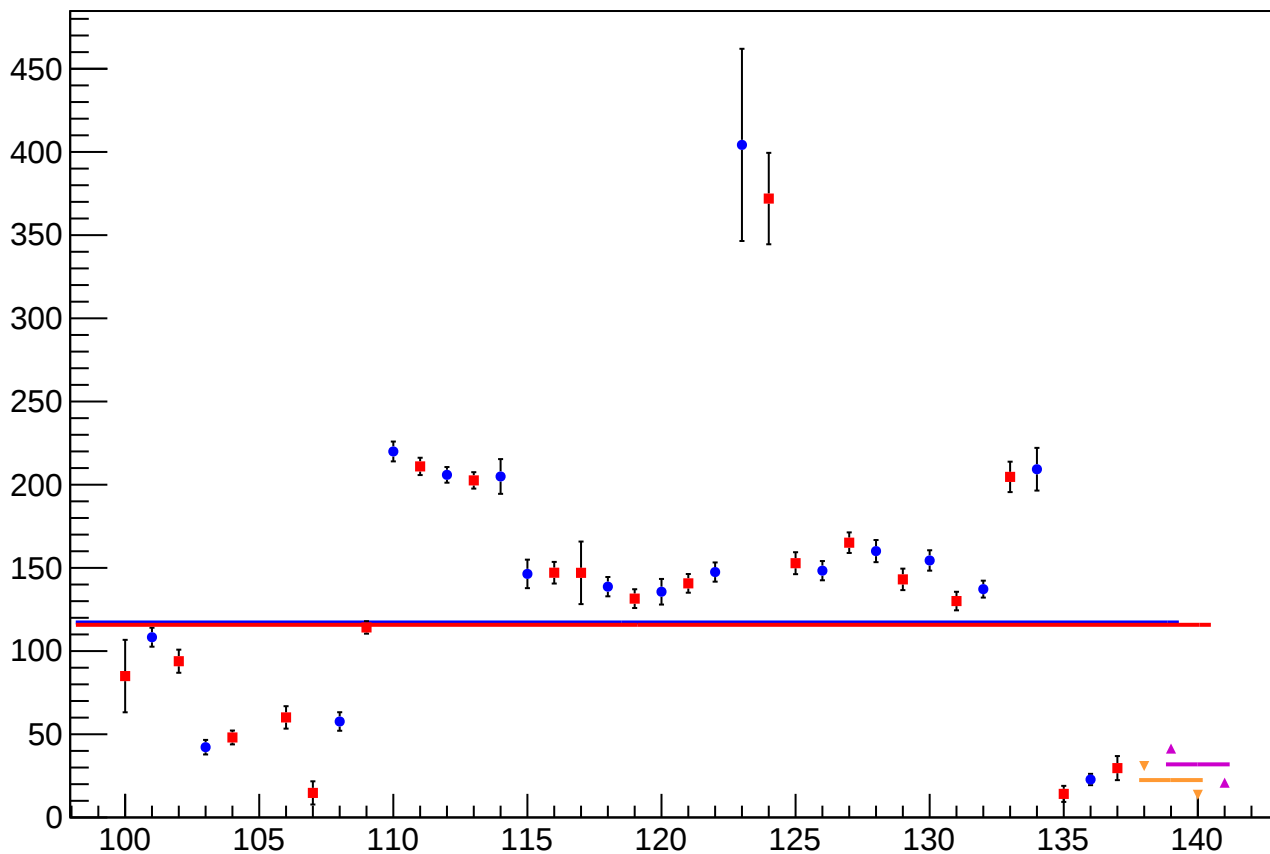
Right Out: -7.298 ± 0.759 $\chi^2/\text{NDF}: 255.6/19$

Left In: -6.880 ± 1.561 $\chi^2/\text{NDF}: 8.6/1$

-6.789 ± 0.646 $\chi^2/\text{NDF}: 287.3/18$

-7.218 ± 0.683 $\chi^2/\text{NDF}: 264.2/21$

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 ± 1.416 $\chi^2/\text{NDF}: 2161.0/16$

Left Out: 22.469 ± 1.607 $\chi^2/\text{NDF}: 28.9/1$

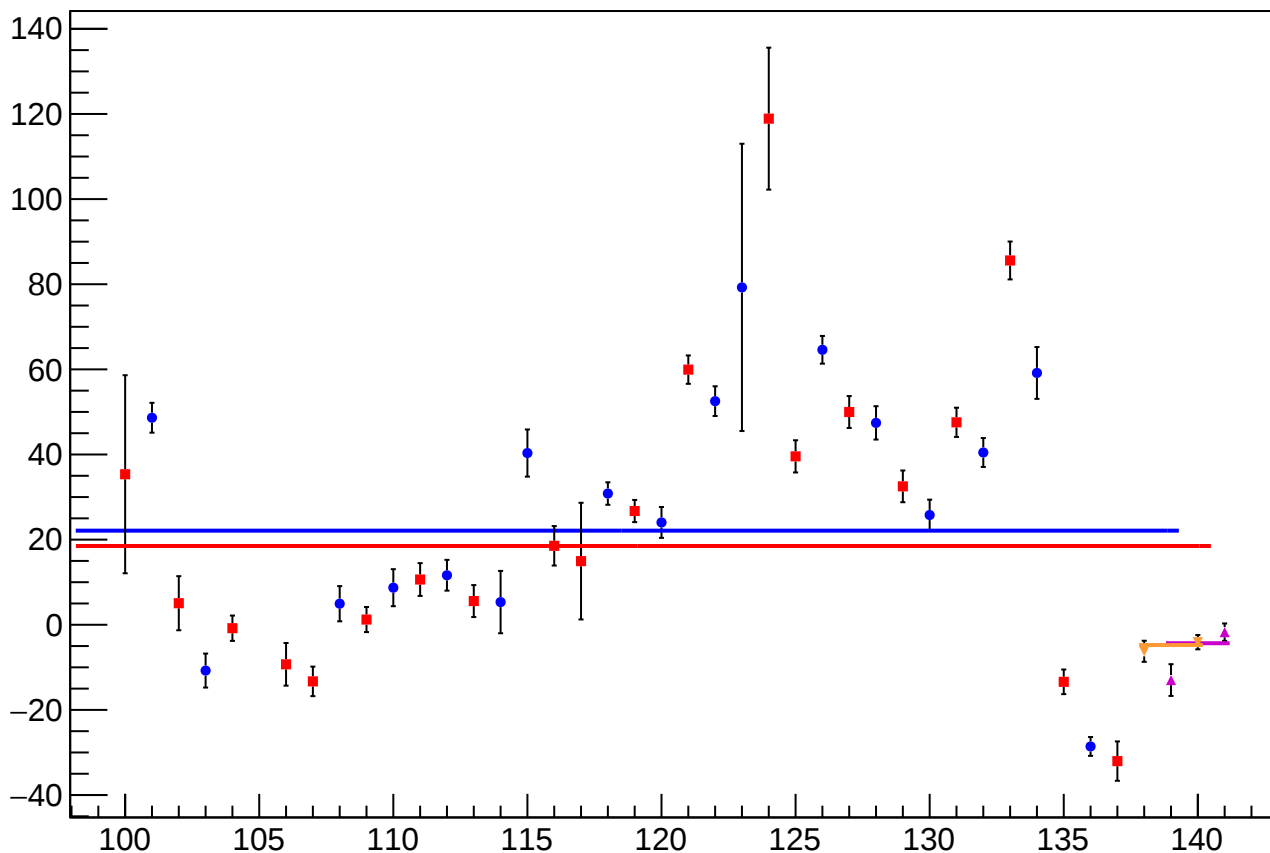
Right Out: 115.795 ± 1.357 $\chi^2/\text{NDF}: 2140.4/19$

Left In: 31.911 ± 1.722 $\chi^2/\text{NDF}: 35.3/1$

75.773 ± 1.063 $\chi^2/\text{NDF}: 4145.3/18$

83.643 ± 1.066 $\chi^2/\text{NDF}: 3639.3/21$

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110+/-0.898 χ^2/NDF : 1070.3/16

Left Out: -4.760+/-1.393 χ^2/NDF : 0.5/1

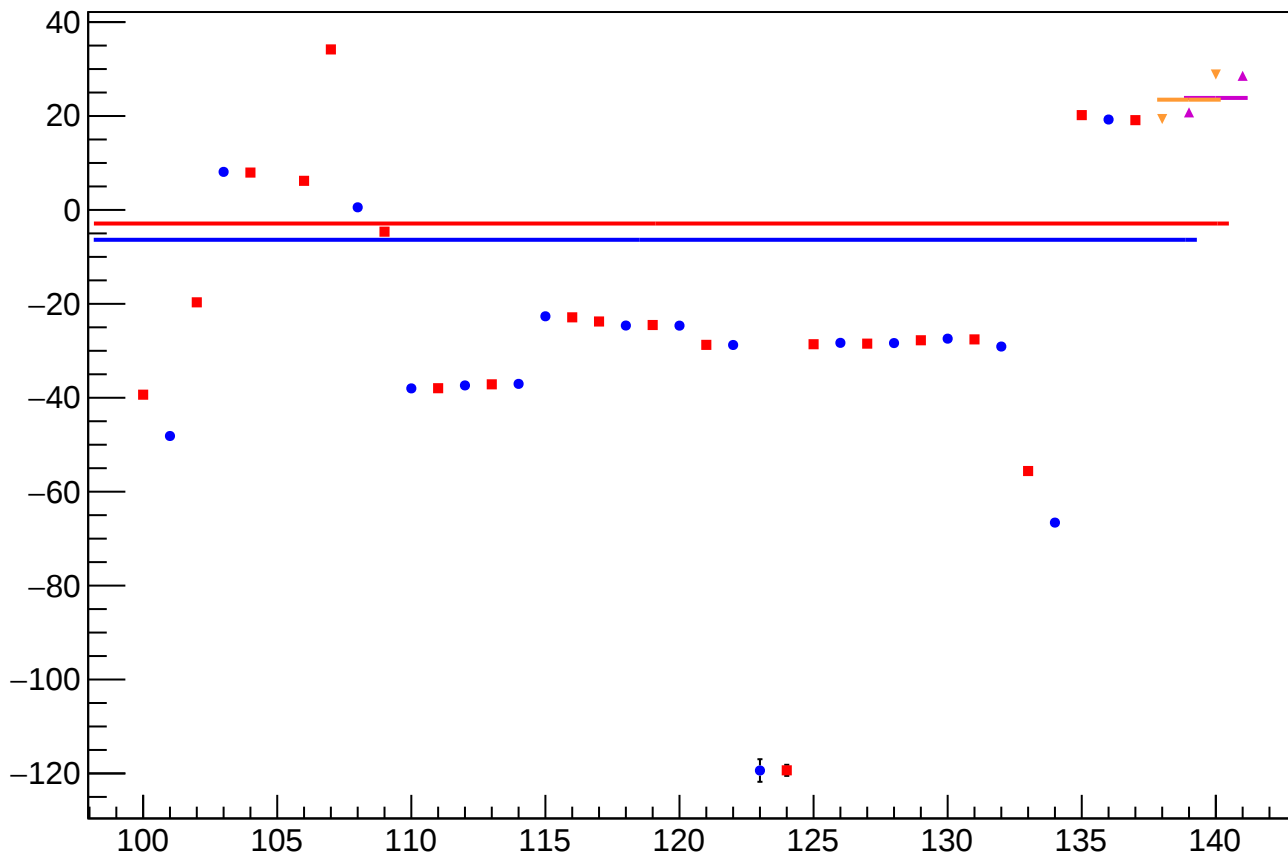
Right Out: 18.506+/-0.869 χ^2/NDF : 1068.6/19

Left In: -4.339+/-1.793 χ^2/NDF : 7.0/1

14.219+/-0.755 χ^2/NDF : 1333.7/18

14.159+/-0.782 χ^2/NDF : 1207.0/21

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 23.478 ± 0.066 $\chi^2/\text{NDF}: 5106.2/1$

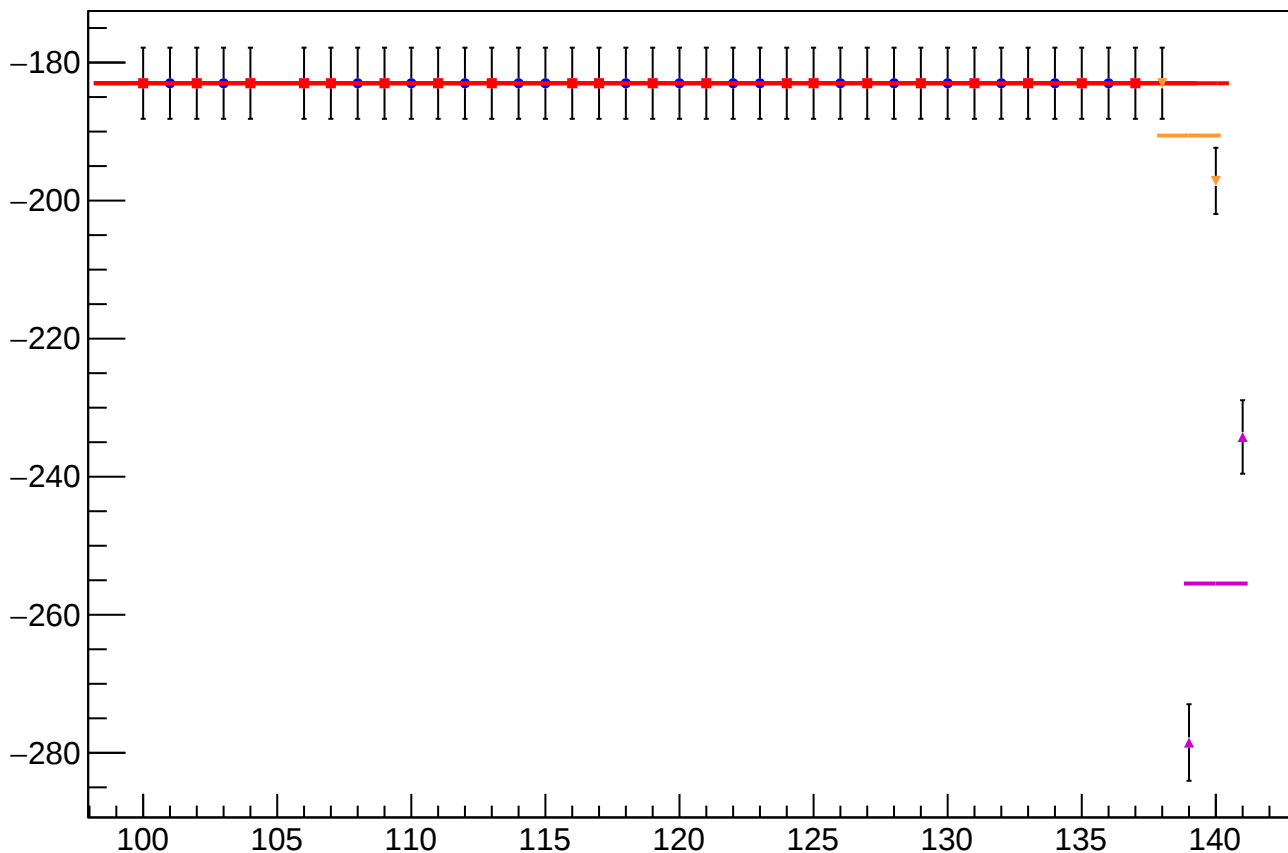
Right Out: -2.896 ± 0.046 $\chi^2/\text{NDF}: 266162.6/19$

Left In: 23.849 ± 0.064 $\chi^2/\text{NDF}: 3534.3/1$

3.528 ± 0.038 $\chi^2/\text{NDF}: 407404.9/18$

6.129 ± 0.037 $\chi^2/\text{NDF}: 385373.0/21$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -182.999 ± 1.250 χ^2/NDF : 0.0/16

Left Out: -190.578 ± 3.512 χ^2/NDF : 4.0/1

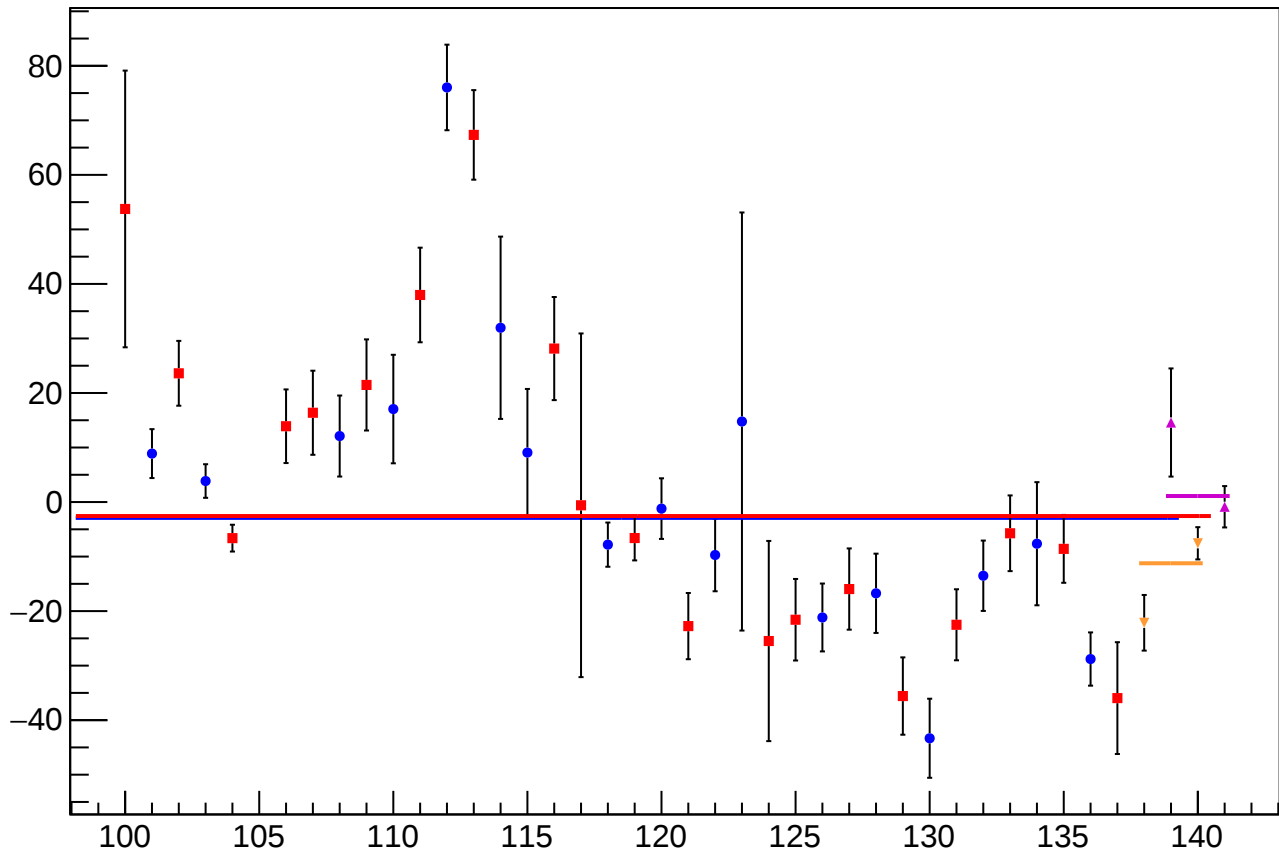
Right Out: -182.999 ± 1.152 χ^2/NDF : 0.0/19

Left In: -255.476 ± 3.840 χ^2/NDF : 33.2/1

-183.851 ± 1.177 χ^2/NDF : 8.2/18

-188.987 ± 1.104 χ^2/NDF : 360.0/21

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: -11.227 ± 2.558 χ^2/NDF : 6.1/1

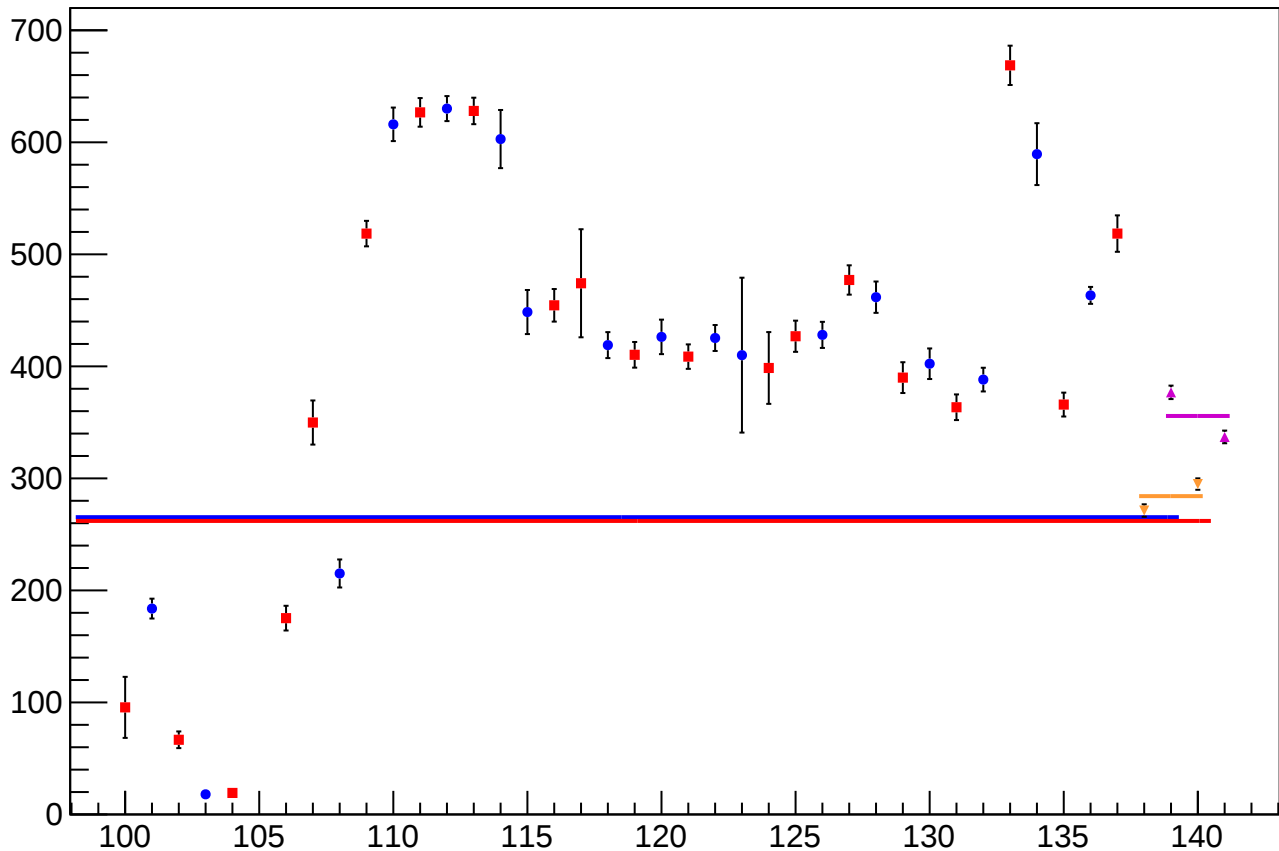
Right Out: -2.566 ± 1.395 χ^2/NDF : 218.2/19

Left In: 1.105 ± 3.542 χ^2/NDF : 2.1/1

-4.962 ± 1.273 χ^2/NDF : 217.7/18

-2.073 ± 1.298 χ^2/NDF : 221.3/21

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 284.154 $\pm$ 3.770 χ^2 /NDF:9.8/1

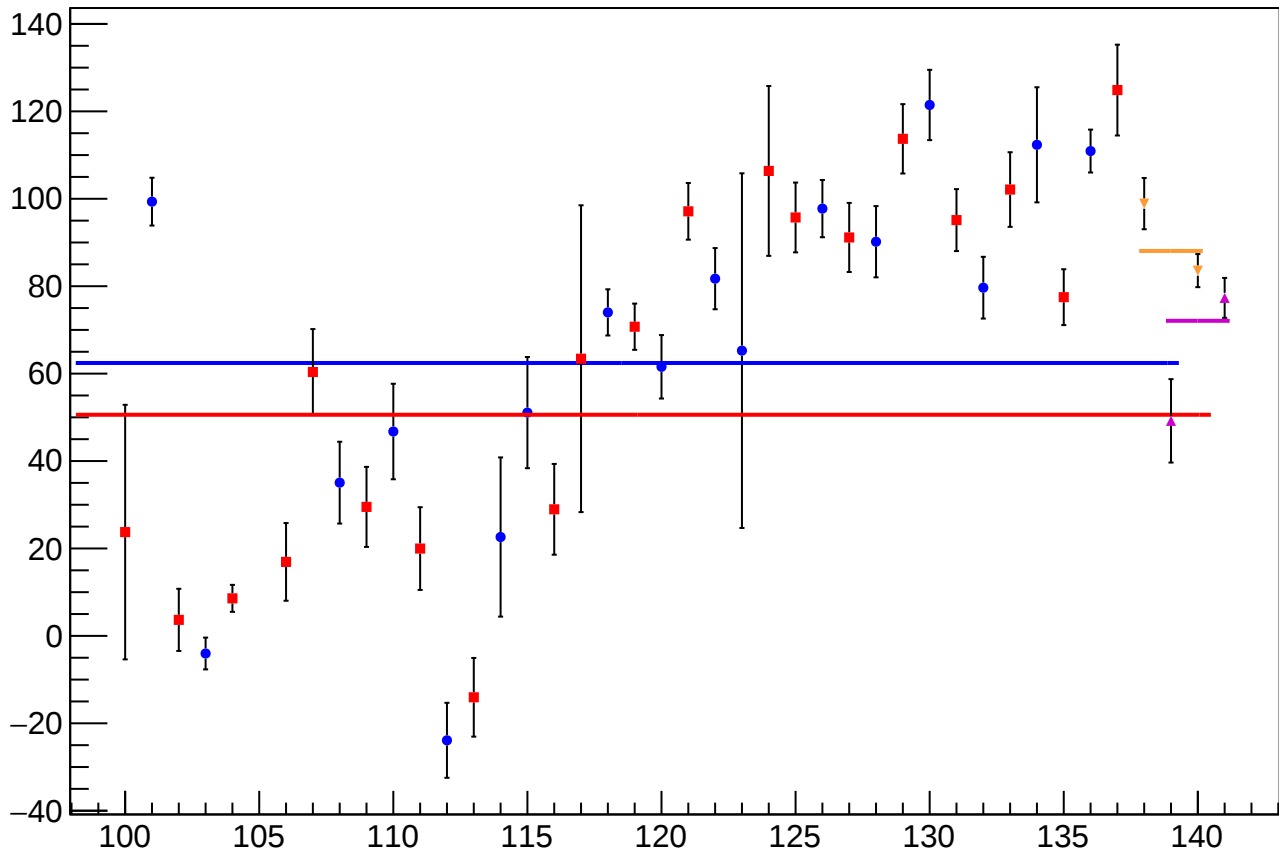
Right Out: 262.016 $\pm$ 2.455 χ^2 /NDF: 8223.7/19

Left In: 355.716 $\pm$ 4.119 χ^2 /NDF:23.2/1

271.069 $\pm$ 2.077 χ^2 /NDF: 7660.9/18

286.569 $\pm$ 2.109 χ^2 /NDF: 8628.8/21

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 88.067+/-3.180 χ^2/NDF : 4.8/1

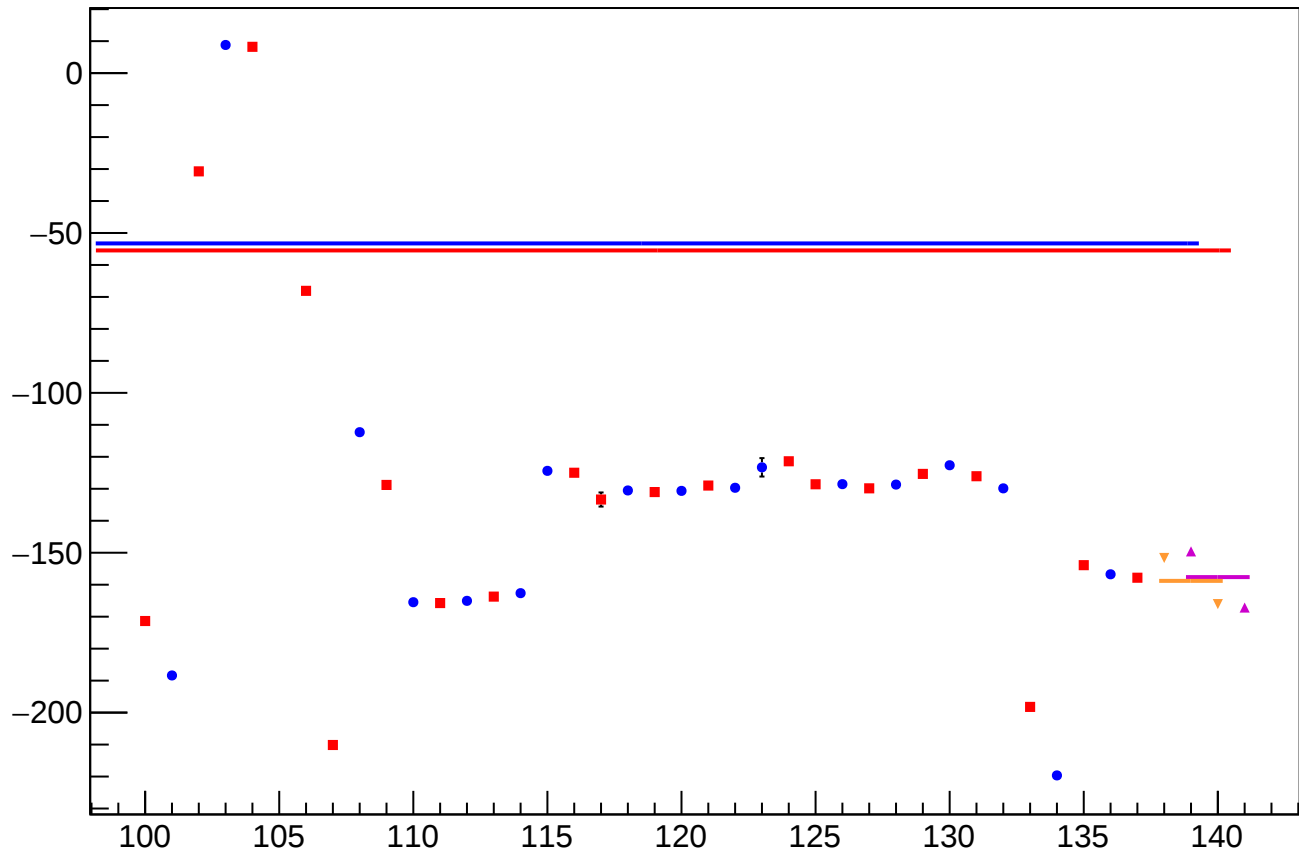
Right Out: 50.588+/-1.640 χ^2/NDF : 657.5/19

Left In: 72.084+/-4.120 χ^2/NDF : 7.1/1

68.097+/-1.495 χ^2/NDF : 777.2/18

53.530+/-1.524 χ^2/NDF : 688.1/21

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -158.801 $\pm$ 0.157 χ^2 /NDF: 2105.2/1

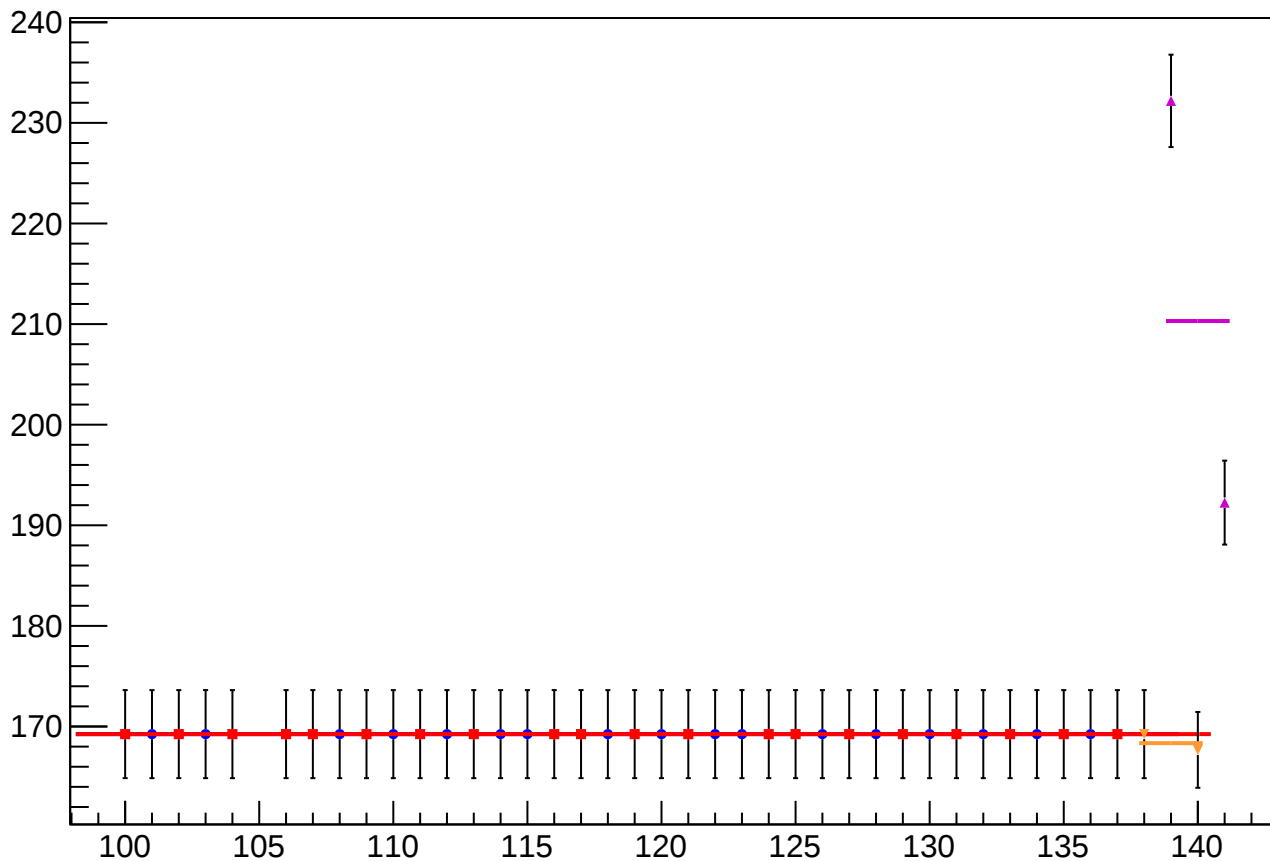
Right Out: -55.455 $\pm$ 0.072 χ^2 /NDF: 968274.5/19

Left In: -157.621 $\pm$ 0.155 χ^2 /NDF: 3178.3/1

-70.885 $\pm$ 0.064 χ^2 /NDF: 1602707.3/18

-73.504 $\pm$ 0.065 χ^2 /NDF: 1328012.4/21

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 169.242 $\pm$ 1.061 χ^2 /NDF: 0.0/16

Left Out: 168.344 $\pm$ 2.856 χ^2 /NDF:0.1/1

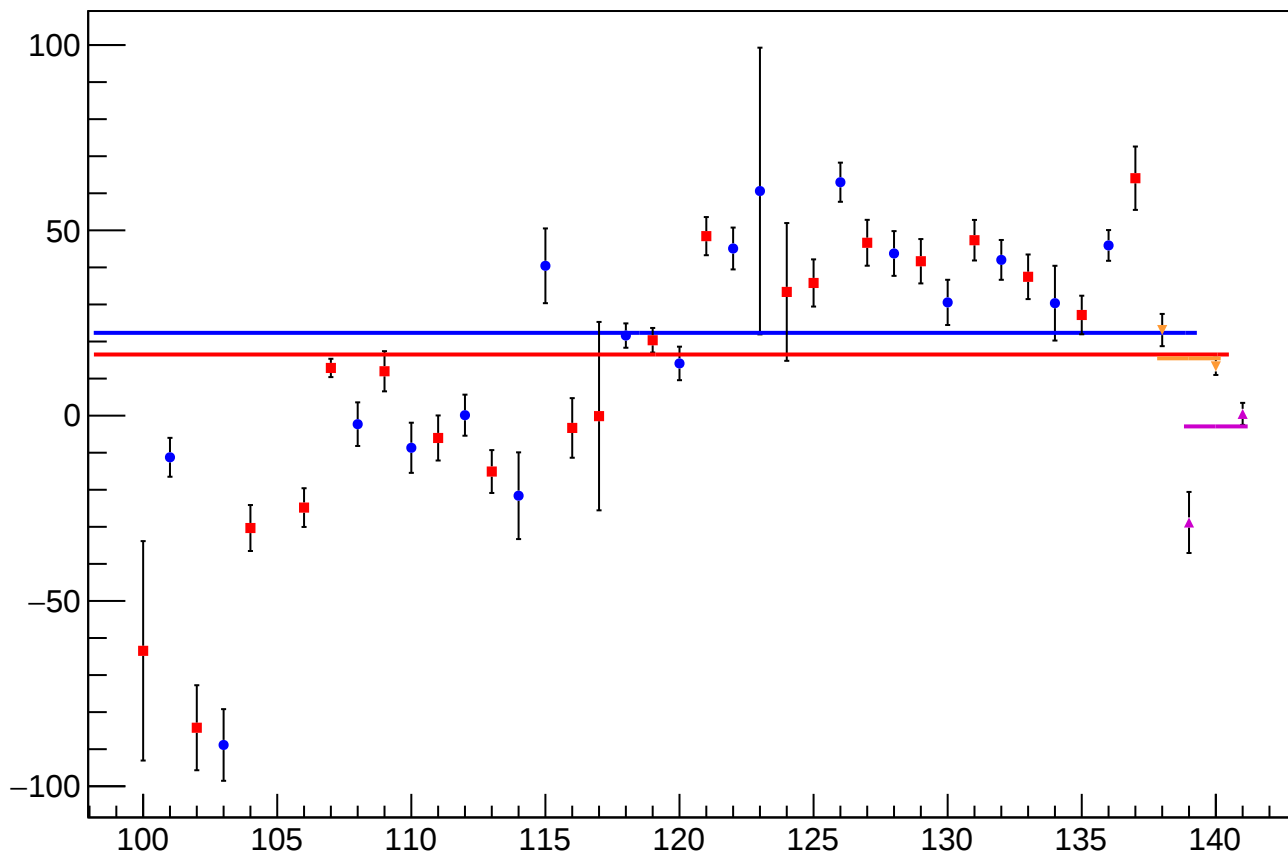
Right Out: 169.242 $\pm$ 0.979 χ^2 /NDF: 0.0/19

Left In: 210.304 $\pm$ 3.088 χ^2 /NDF:41.4/1

169.133 $\pm$ 0.995 χ^2 /NDF: 0.2/18

172.989 $\pm$ 0.933 χ^2 /NDF: 202.1/21

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 $\pm$ 1.395 χ^2/NDF : 385.8/16

Left Out: 15.466 $\pm$ 2.046 χ^2/NDF : 4.0/1

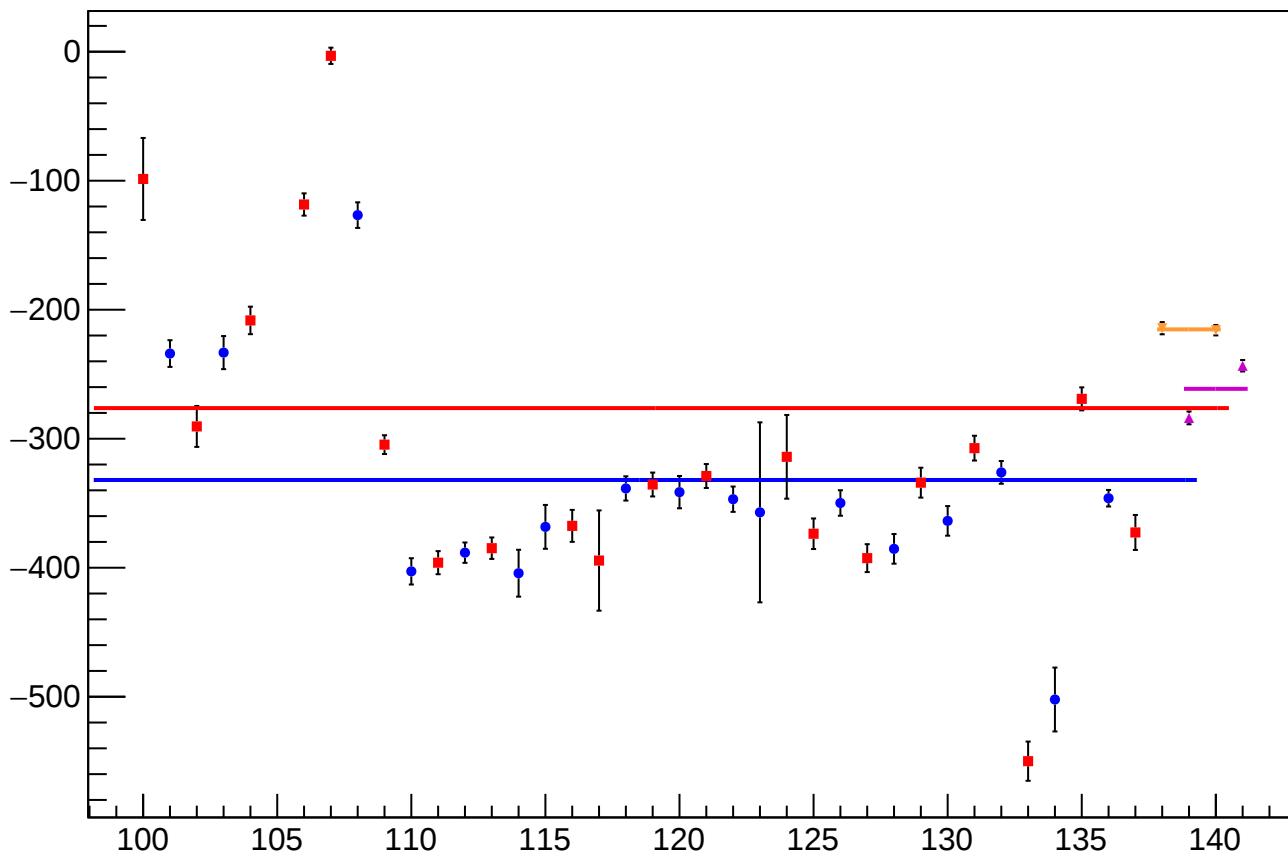
Right Out: 16.498 $\pm$ 1.226 χ^2/NDF : 427.0/19

Left In: -2.905 $\pm$ 2.798 χ^2/NDF : 11.2/1

20.160 $\pm$ 1.153 χ^2/NDF : 397.5/18

13.373 $\pm$ 1.123 χ^2/NDF : 478.5/21

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 ± 2.580 χ^2/NDF : 785.0/16

Left Out: -215.236 ± 3.064 χ^2/NDF : 0.1/1

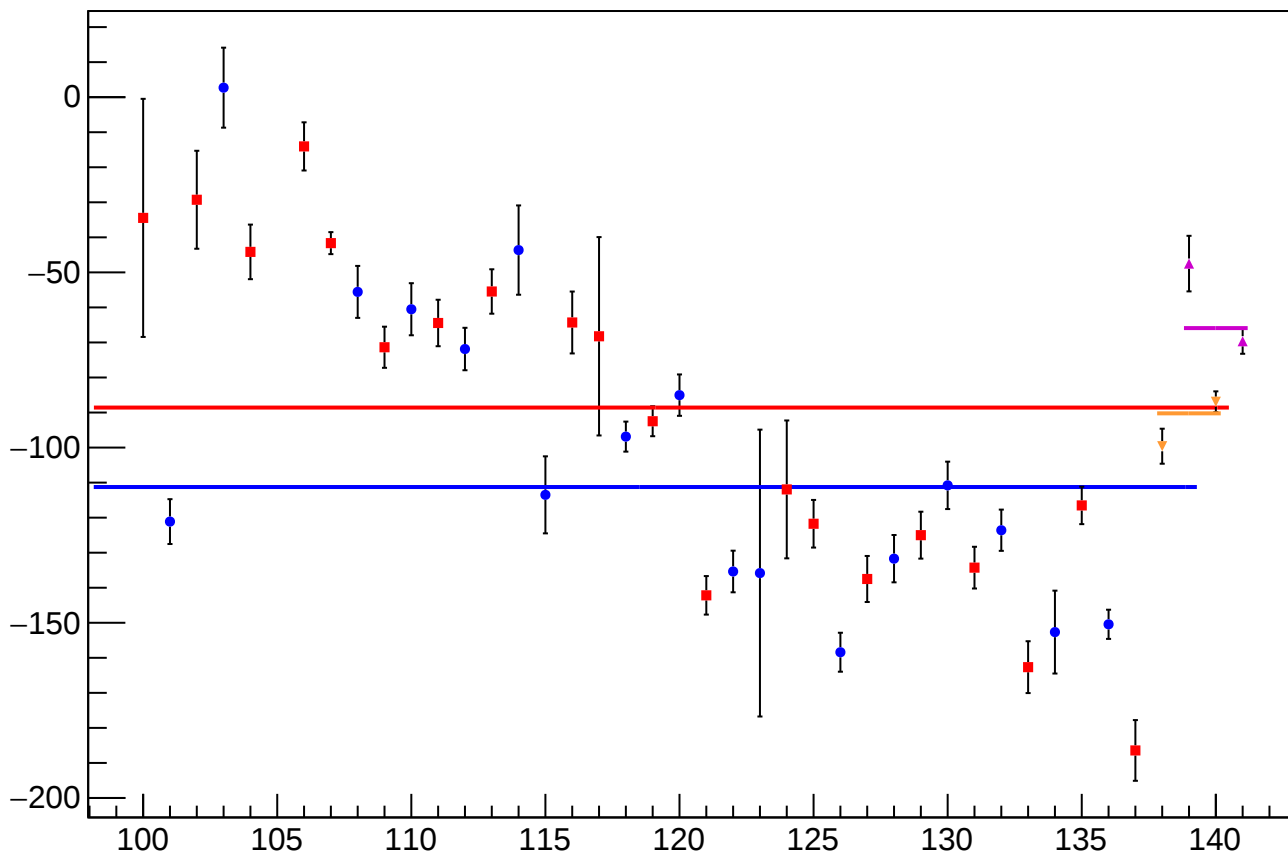
Right Out: -276.265 ± 2.320 χ^2/NDF : 3371.5/19

Left In: -261.336 ± 3.311 χ^2/NDF : 36.8/1

-283.554 ± 1.974 χ^2/NDF : 1634.4/18

-271.347 ± 1.900 χ^2/NDF : 3421.9/21

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257+/-1.597 χ^2/NDF : 509.6/16

Left Out: -90.233+/-2.552 χ^2/NDF : 4.8/1

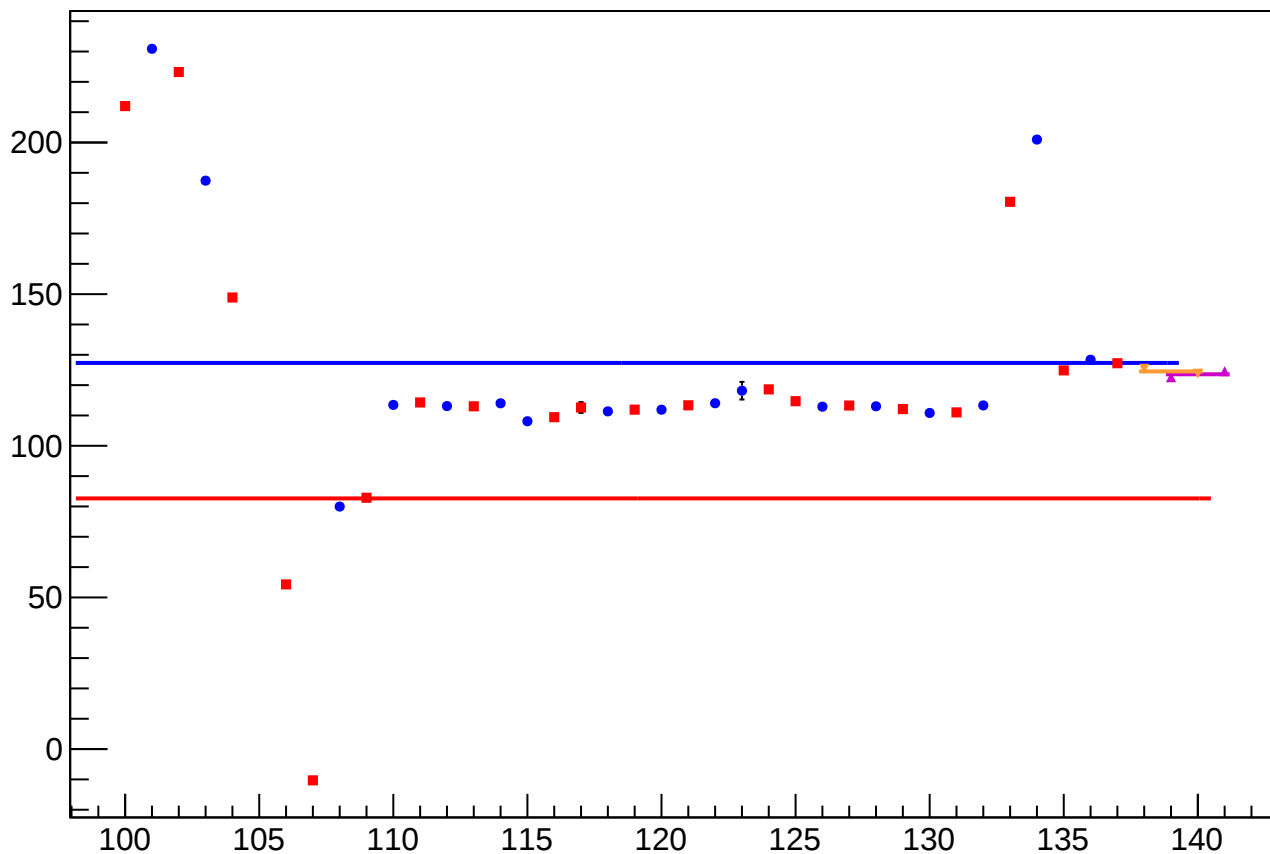
Right Out: -88.581+/-1.431 χ^2/NDF : 971.5/19

Left In: -65.901+/-3.263 χ^2/NDF : 6.5/1

-105.339+/-1.354 χ^2/NDF : 563.1/18

-84.922+/-1.311 χ^2/NDF : 1018.5/21

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 124.519+/-0.128 χ^2/NDF : 38.9/1

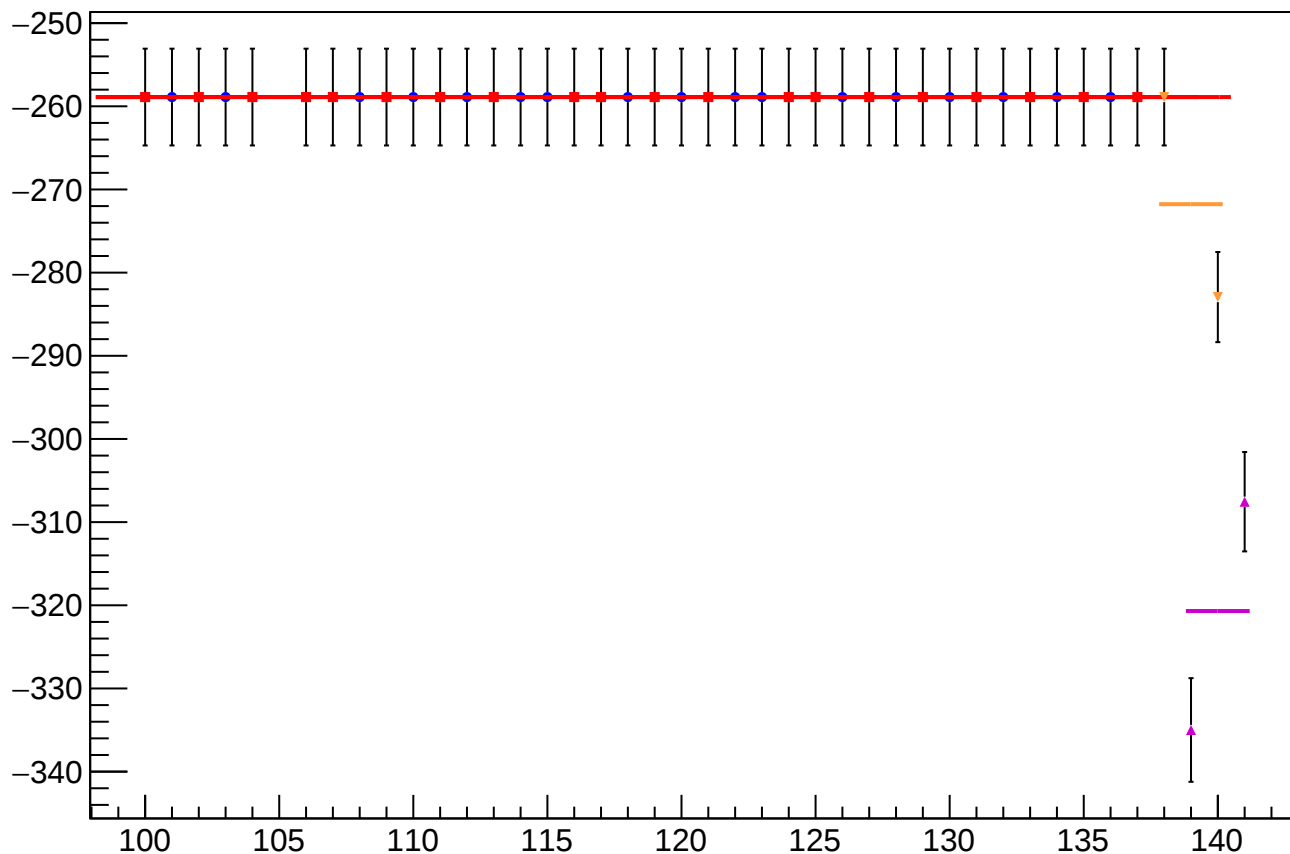
Right Out: 82.649+/-0.075 χ^2/NDF : 765307.1/19

Left In: 123.583+/-0.125 χ^2/NDF : 62.2/1

126.405+/-0.073 χ^2/NDF : 188137.2/18

93.490+/-0.065 χ^2/NDF : 843620.9/21

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -258.891+/-1.411 χ^2 /NDF: 0.0/16

Left Out: -271.770+/-3.966 χ^2 /NDF:9.1/1

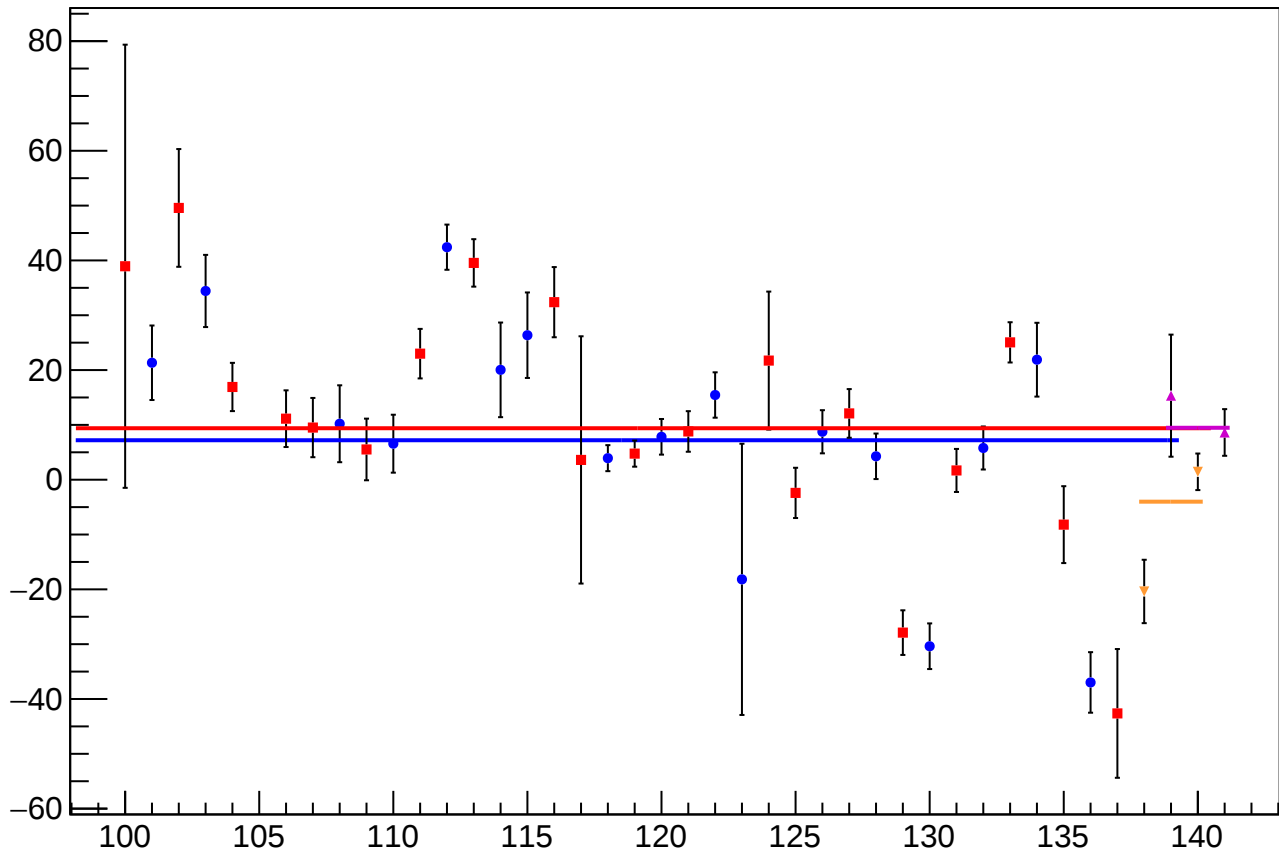
Right Out: -258.891+/-1.301 χ^2 /NDF: 0.0/19

Left In: -320.690+/-4.313 χ^2 /NDF:10.1/1

-260.339+/-1.330 χ^2 /NDF: 18.5/18

-264.048+/-1.246 χ^2 /NDF: 198.3/21

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: -4.005 ± 2.888 χ^2/NDF : 10.7/1

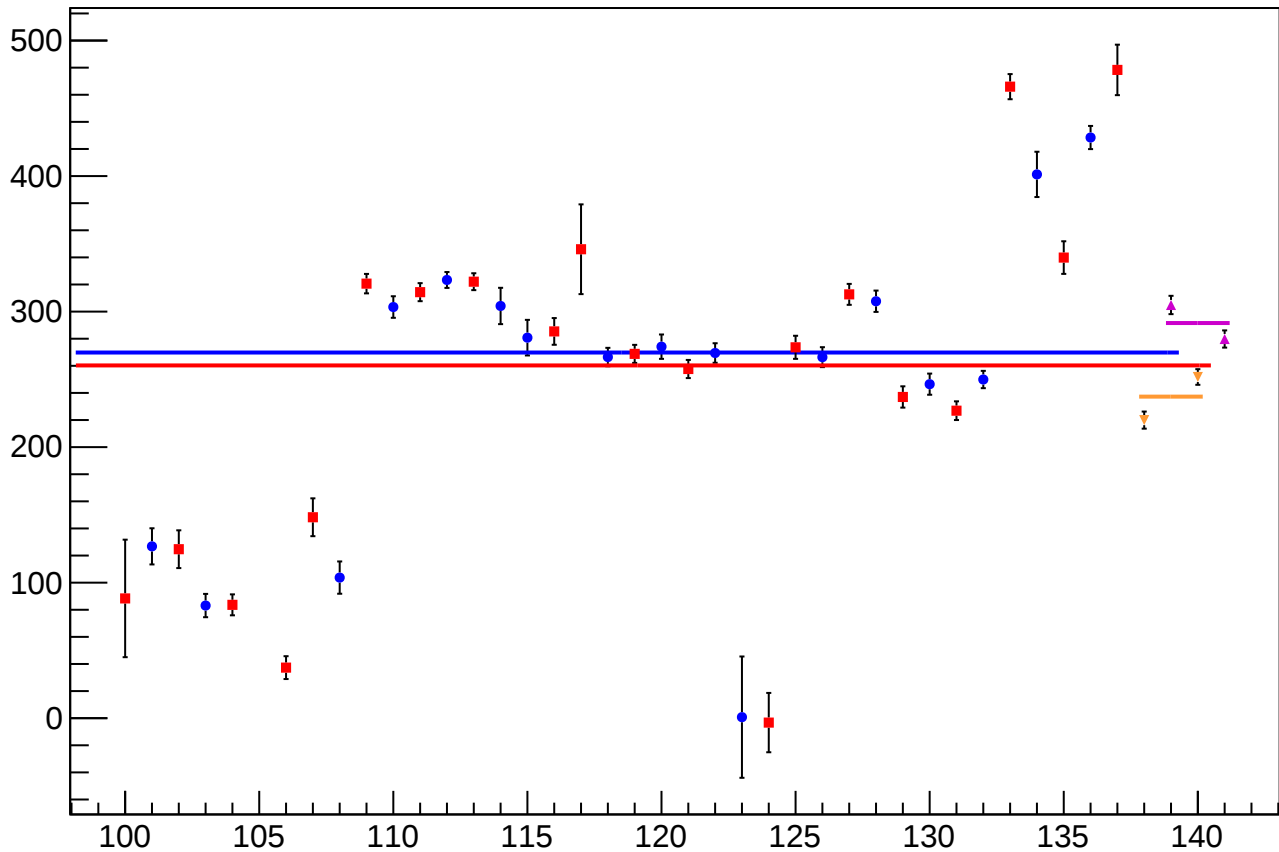
Right Out: 9.390 ± 1.070 χ^2/NDF : 232.2/19

Left In: 9.474 ± 3.976 χ^2/NDF : 0.3/1

5.773 ± 1.030 χ^2/NDF : 284.7/18

9.395 ± 1.033 χ^2/NDF : 232.5/21

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 ± 2.089 χ^2/NDF : 1374.1/16

Left Out: 237.266 ± 4.257 χ^2/NDF : 13.9/1

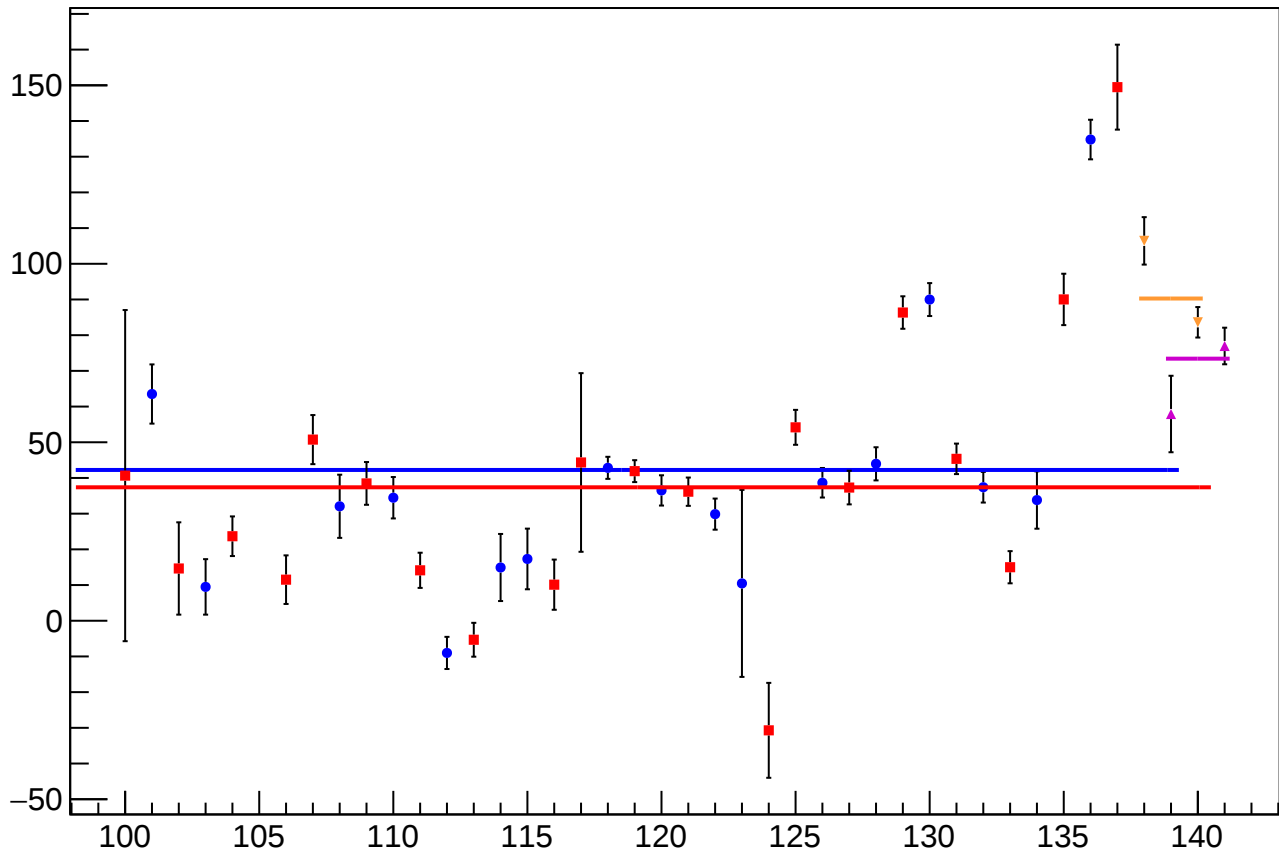
Right Out: 260.286 ± 1.973 χ^2/NDF : 2545.4/19

Left In: 291.565 ± 4.627 χ^2/NDF : 7.3/1

263.491 ± 1.875 χ^2/NDF : 1435.1/18

265.099 ± 1.815 χ^2/NDF : 2591.3/21

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 ± 1.274 χ^2/NDF : 574.4/16

Left Out: 90.269 ± 3.591 χ^2/NDF : 8.3/1

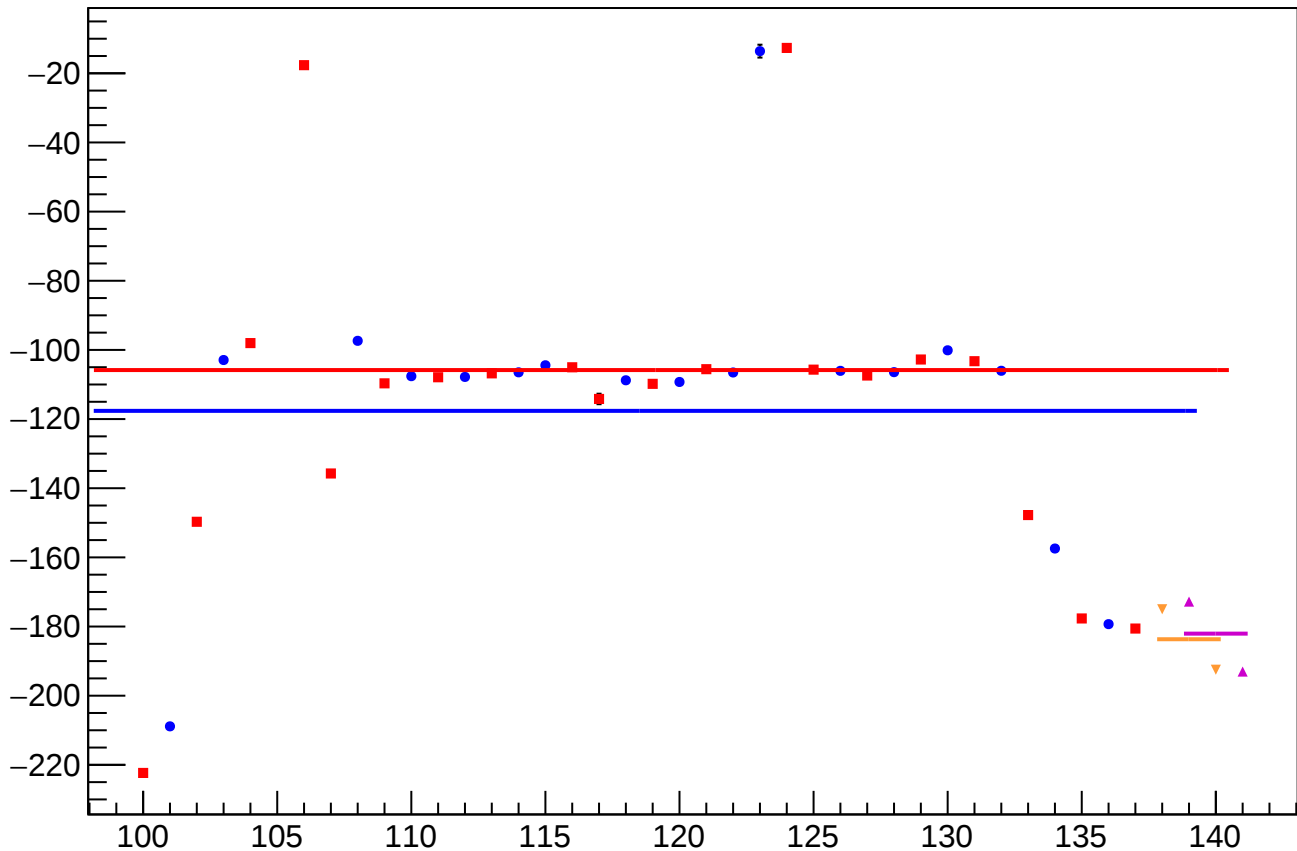
Right Out: 37.384 ± 1.233 χ^2/NDF : 472.4/19

Left In: 73.421 ± 4.623 χ^2/NDF : 2.6/1

47.609 ± 1.200 χ^2/NDF : 741.6/18

39.777 ± 1.191 χ^2/NDF : 531.7/21

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -183.674+/-0.178 χ^2/NDF :2421.6/1

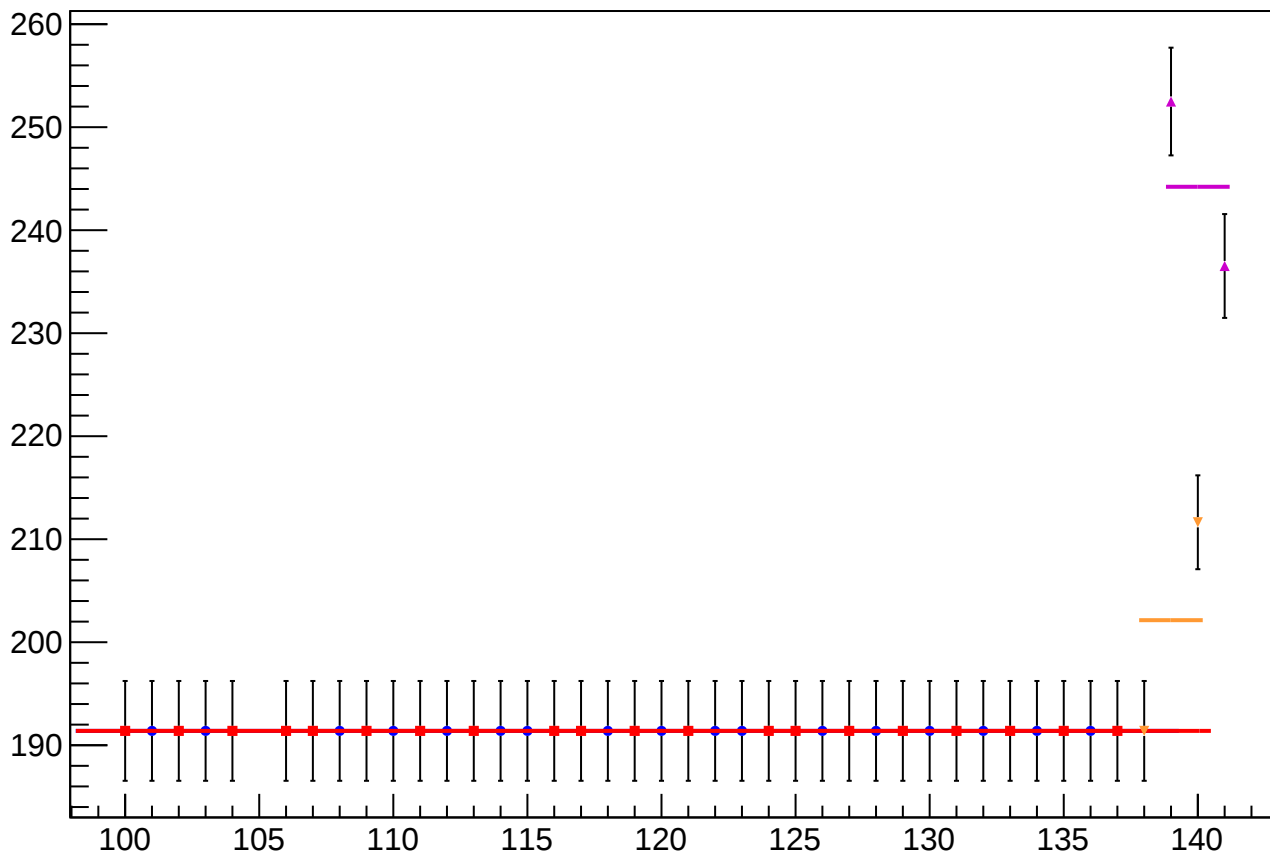
Right Out: -105.826+/-0.073 χ^2/NDF : 323138.4/19

Left In: -182.052+/-0.174 χ^2/NDF :3350.0/1

-128.418+/-0.072 χ^2/NDF : 259903.0/18

-117.144+/-0.067 χ^2/NDF : 489586.1/21

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 191.392 $\pm$ 1.175 χ^2/NDF : 0.0/16

Left Out: 202.140 $\pm$ 3.319 χ^2/NDF : 9.3/1

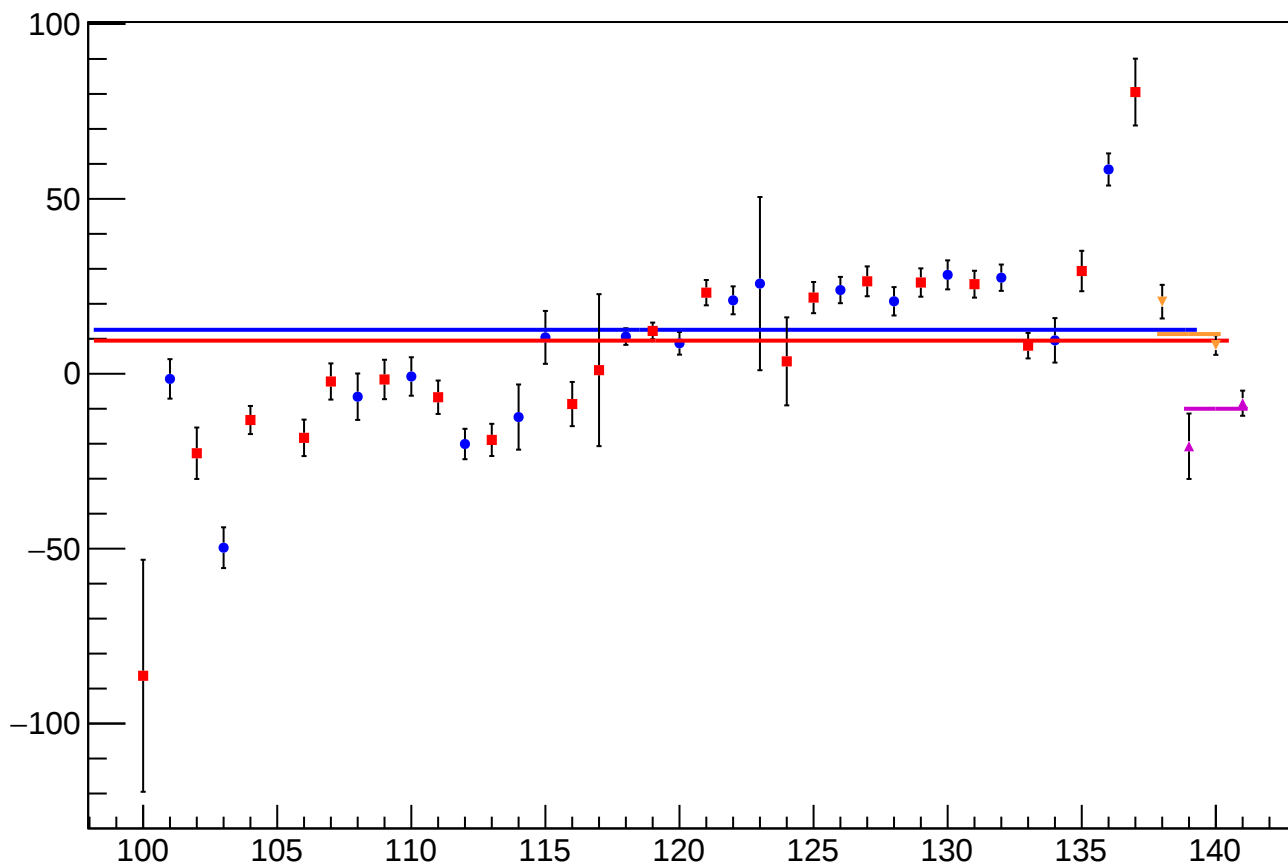
Right Out: 191.392 $\pm$ 1.083 χ^2/NDF : 0.0/19

Left In: 244.215 $\pm$ 3.629 χ^2/NDF : 4.8/1

192.589 $\pm$ 1.108 χ^2/NDF : 18.6/18

195.716 $\pm$ 1.038 χ^2/NDF : 199.4/21

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 11.354 $\pm$ 2.421 χ^2 /NDF:5.0/1

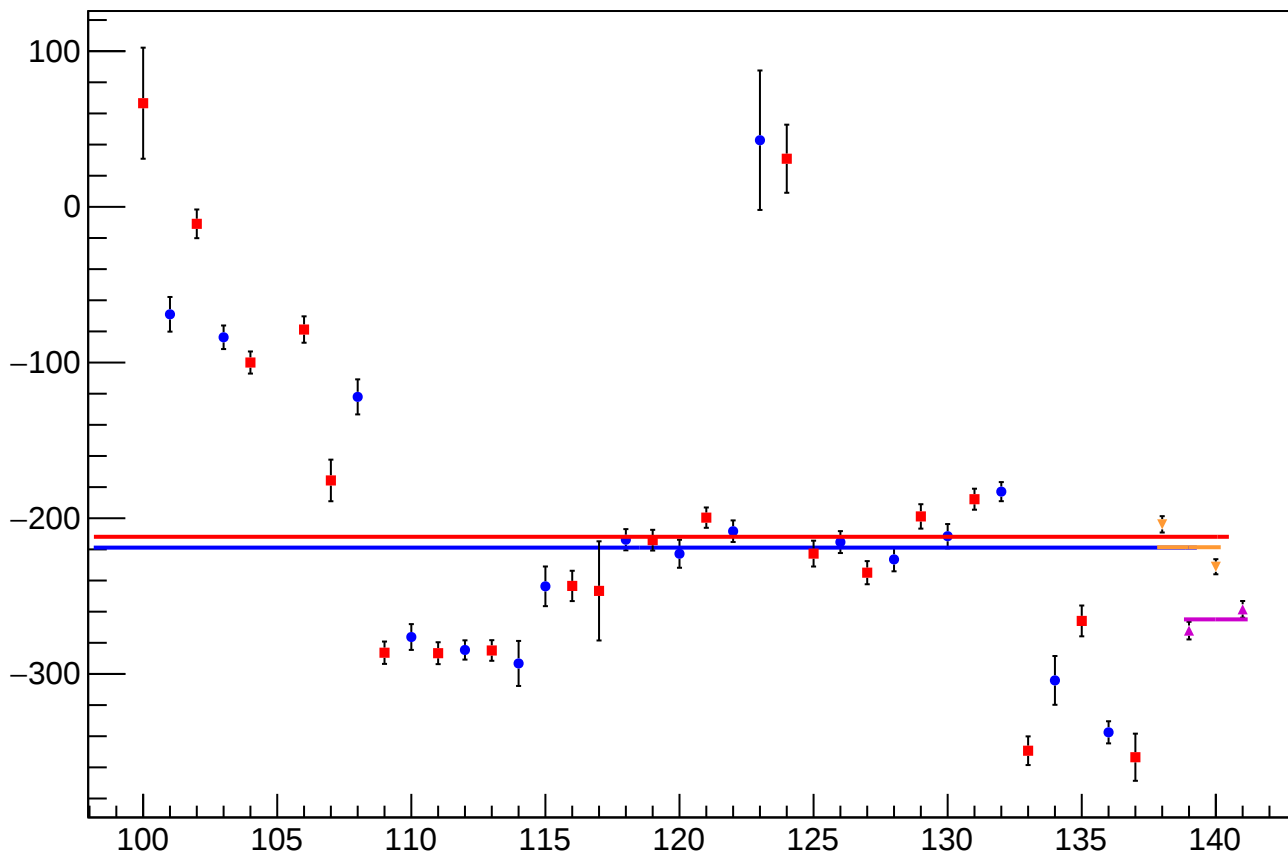
Right Out: 9.474 $\pm$ 1.046 χ^2 /NDF: 296.0/19

Left In: -10.001 $\pm$ 3.354 χ^2 /NDF:1.5/1

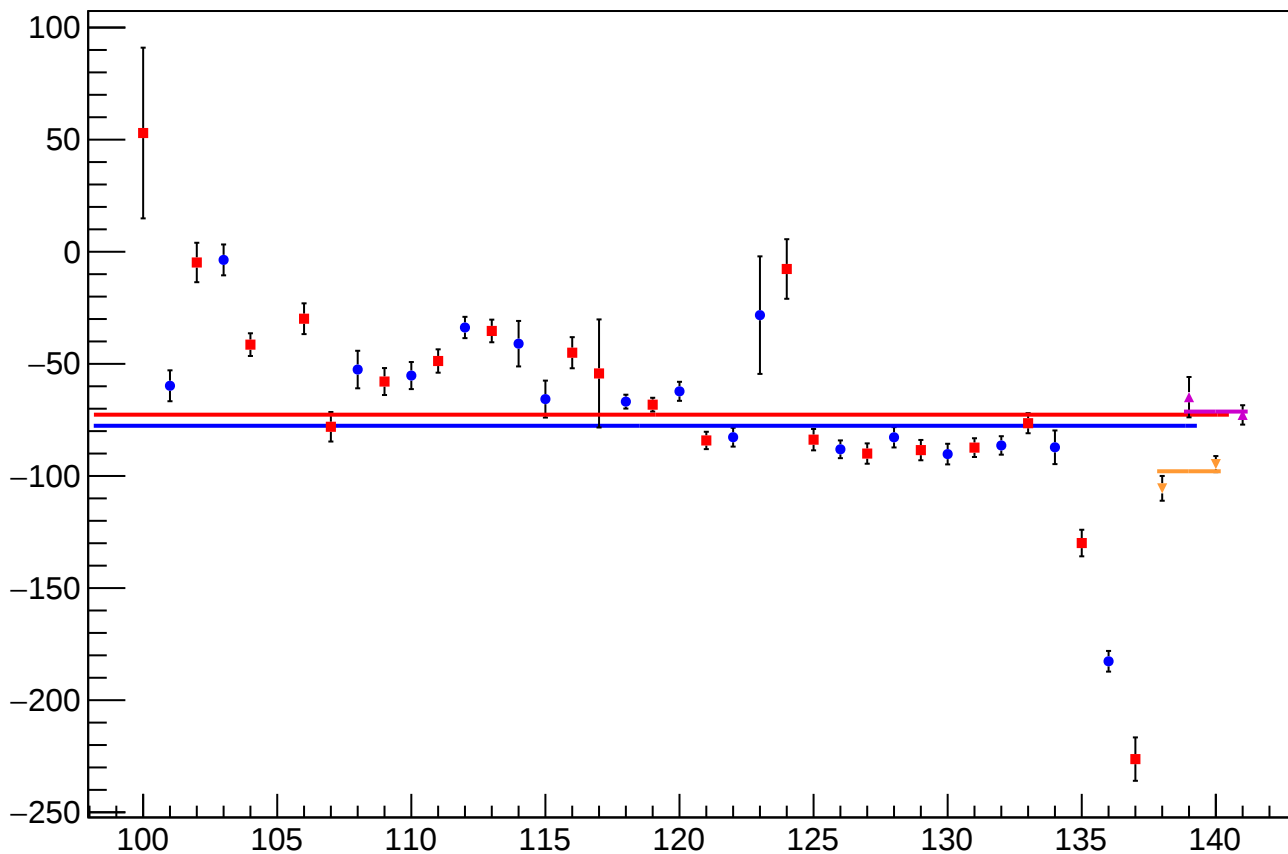
12.373 $\pm$ 0.982 χ^2 /NDF: 353.2/18

7.747 $\pm$ 0.999 χ^2 /NDF: 328.2/21

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 $\chi^2/\text{NDF}: 815.9/16$

Left Out: -97.904 ± 3.008 $\chi^2/\text{NDF}: 2.7/1$

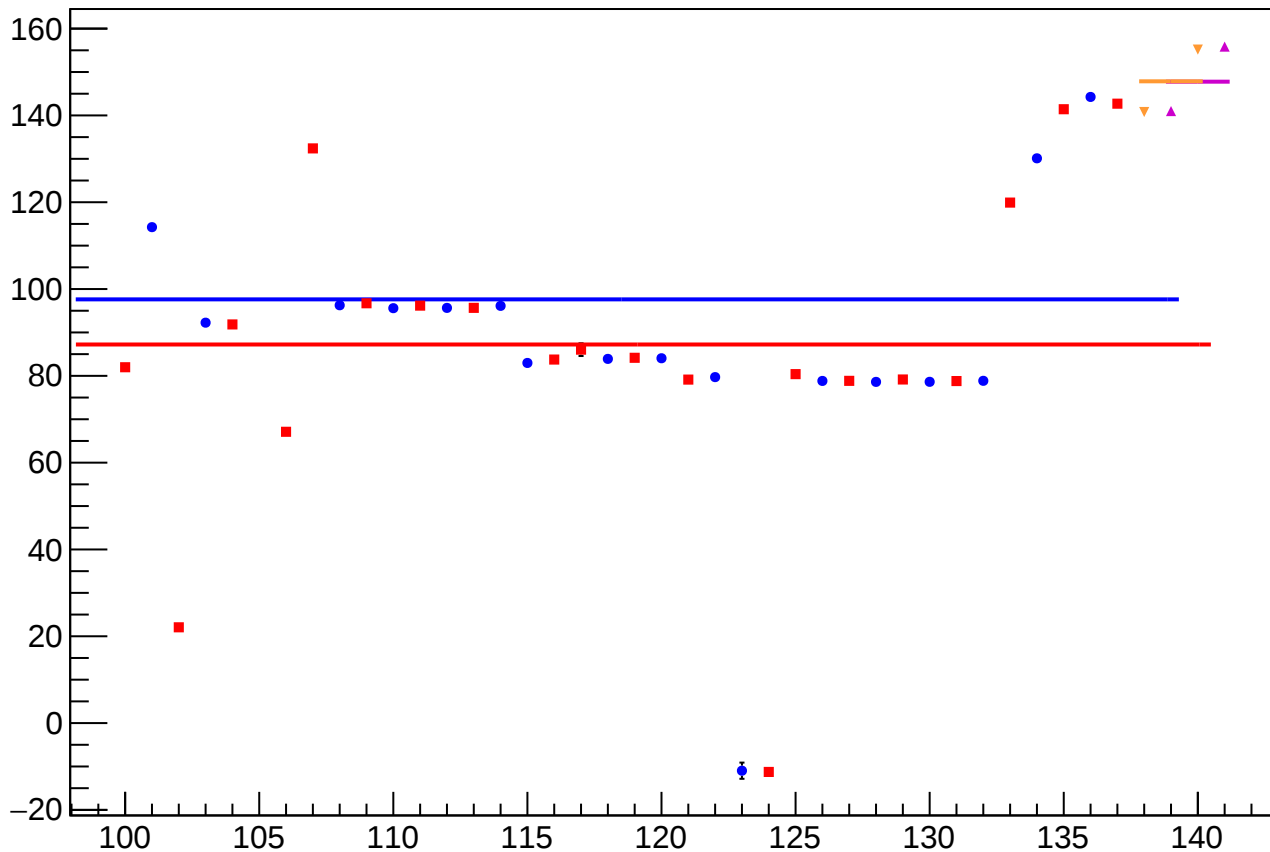
Right Out: -72.664 ± 1.205 $\chi^2/\text{NDF}: 672.0/19$

Left In: -71.282 ± 3.898 $\chi^2/\text{NDF}: 0.6/1$

-80.545 ± 1.144 $\chi^2/\text{NDF}: 857.5/18$

-72.543 ± 1.151 $\chi^2/\text{NDF}: 672.8/21$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 147.858 $\pm$ 0.149 χ^2 /NDF: 2340.2/1

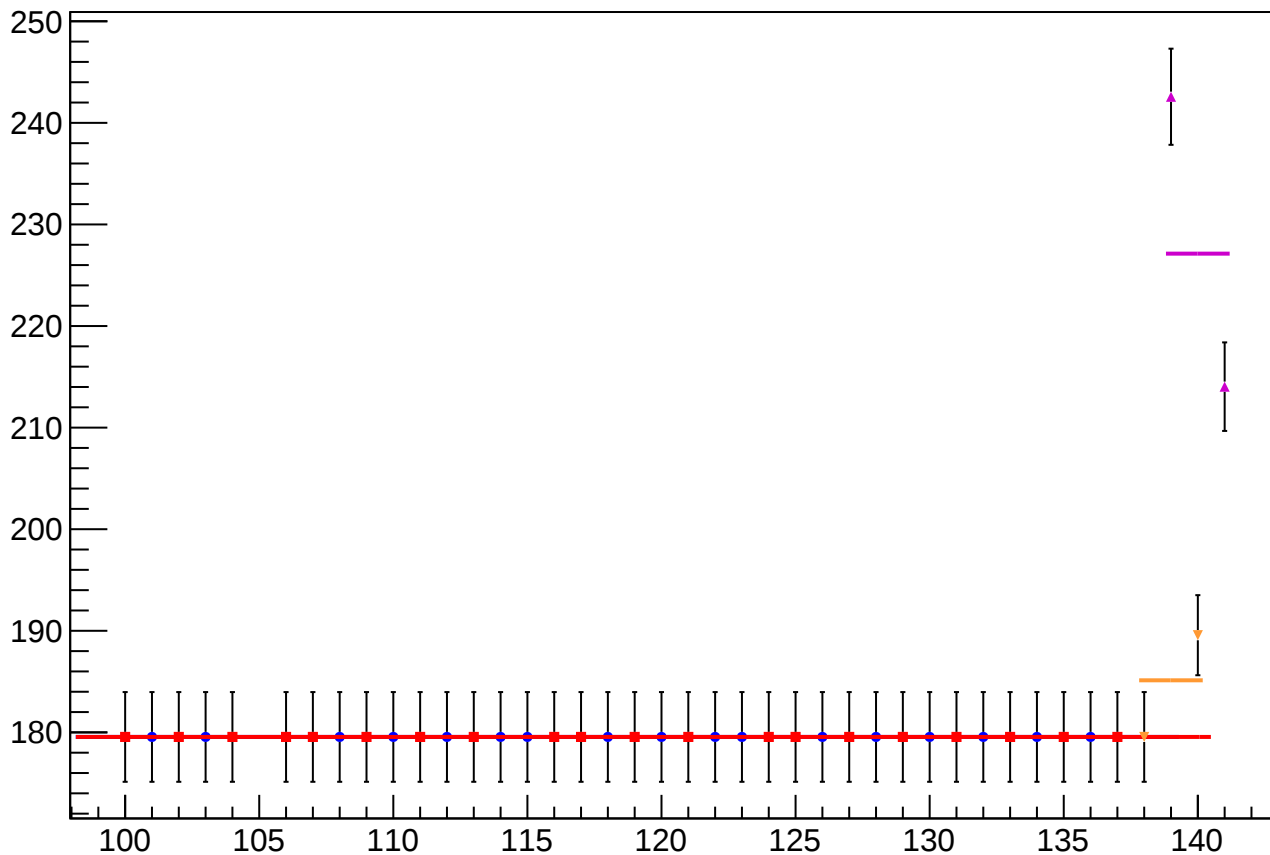
Right Out: 87.224 $\pm$ 0.068 χ^2 /NDF: 220851.2/19

Left In: 147.774 $\pm$ 0.147 χ^2 /NDF: 2547.0/1

107.539 $\pm$ 0.066 χ^2 /NDF: 188099.8/18

97.999 $\pm$ 0.062 χ^2 /NDF: 363698.0/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 179.552 $\pm$ 1.071 χ^2 /NDF: 0.0/16

Left Out: 185.126 $\pm$ 2.941 χ^2 /NDF:2.9/1

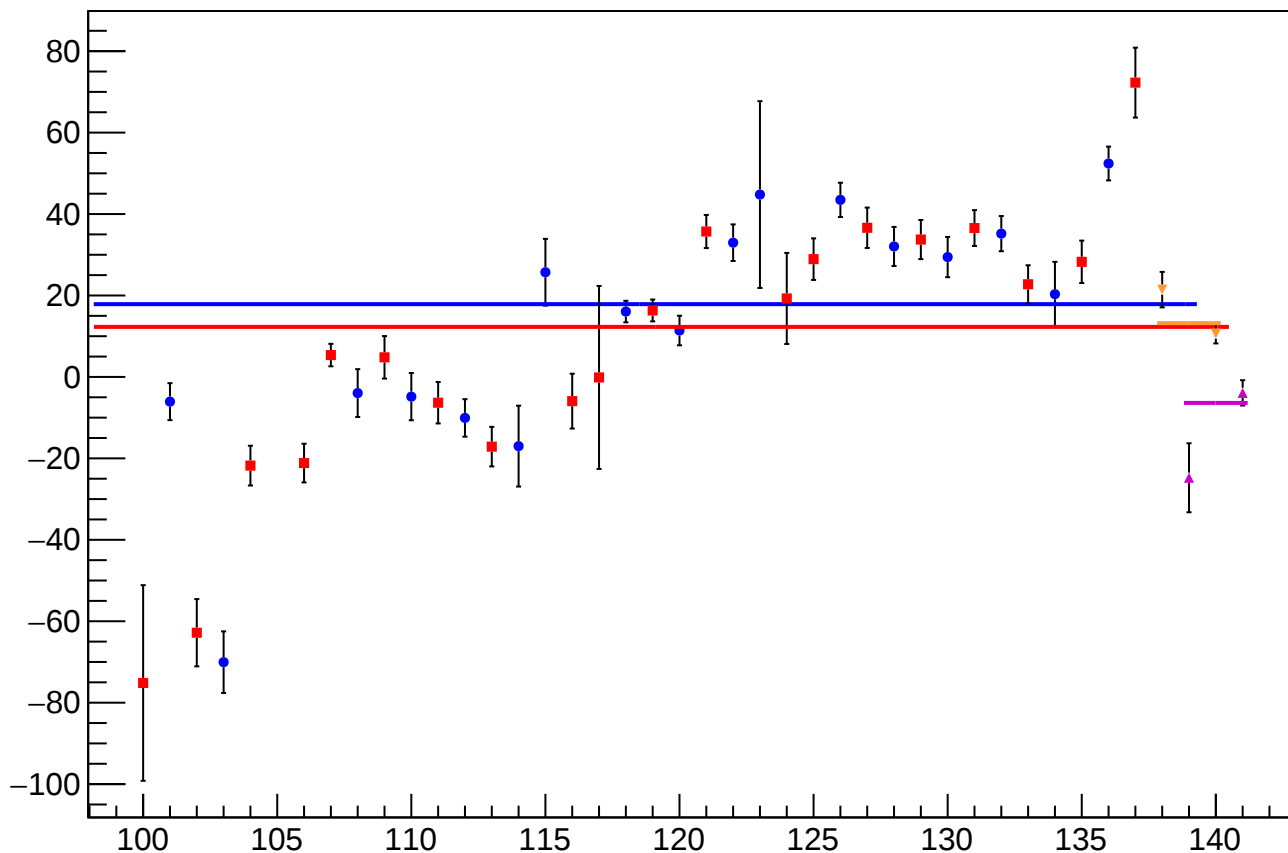
Right Out: 179.552 $\pm$ 0.988 χ^2 /NDF: 0.0/19

Left In: 227.126 $\pm$ 3.206 χ^2 /NDF:19.7/1

180.205 $\pm$ 1.006 χ^2 /NDF: 6.0/18

183.676 $\pm$ 0.944 χ^2 /NDF: 220.8/21

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: 13.210 $\pm$ 2.120 χ^2 /NDF: 4.7/1

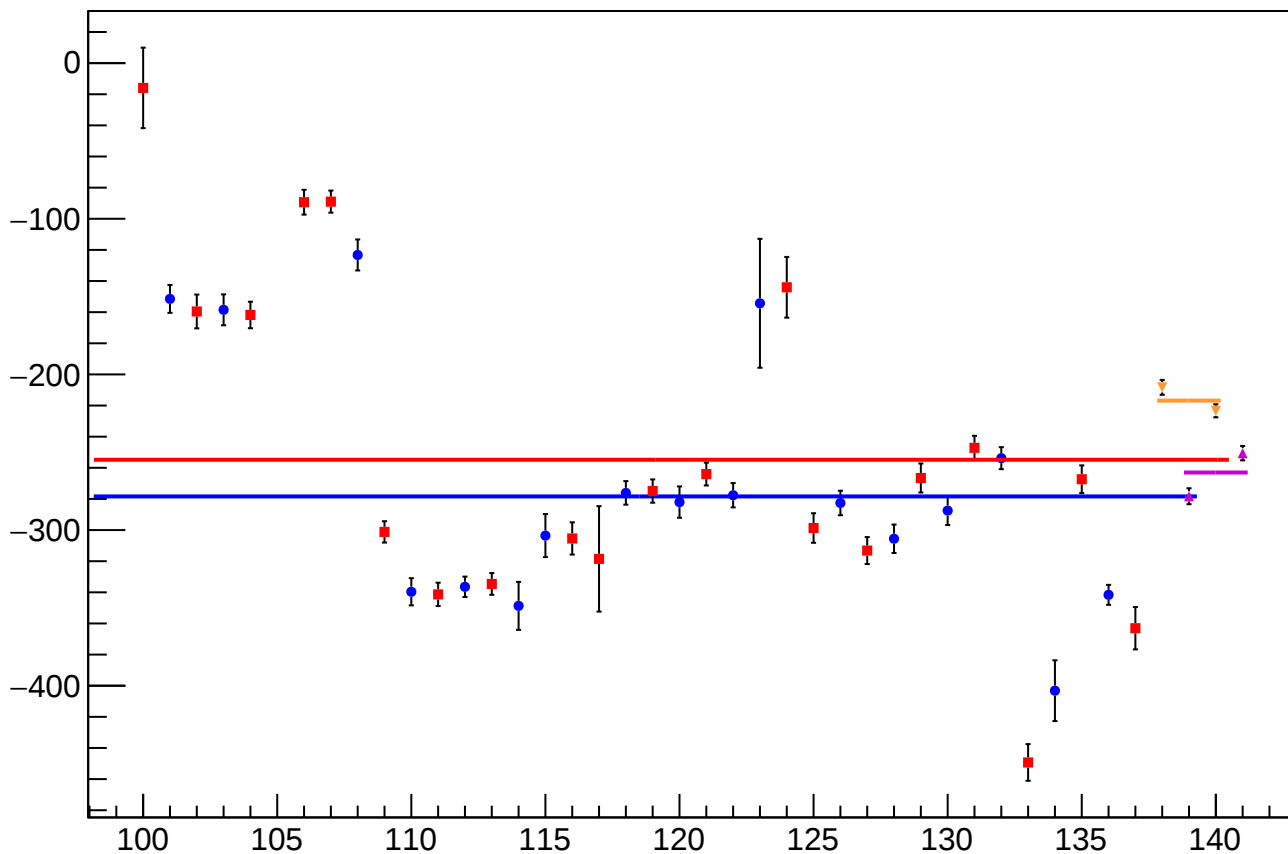
Right Out: 12.288 $\pm$ 1.082 χ^2 /NDF: 444.4/19

Left In: -6.379 $\pm$ 2.915 χ^2 /NDF: 5.3/1

16.790 $\pm$ 1.022 χ^2 /NDF: 403.7/18

10.028 $\pm$ 1.014 χ^2 /NDF: 485.7/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 ± 2.185 χ^2/NDF : 910.6/16

Left Out: -216.832 ± 3.156 χ^2/NDF : 5.6/1

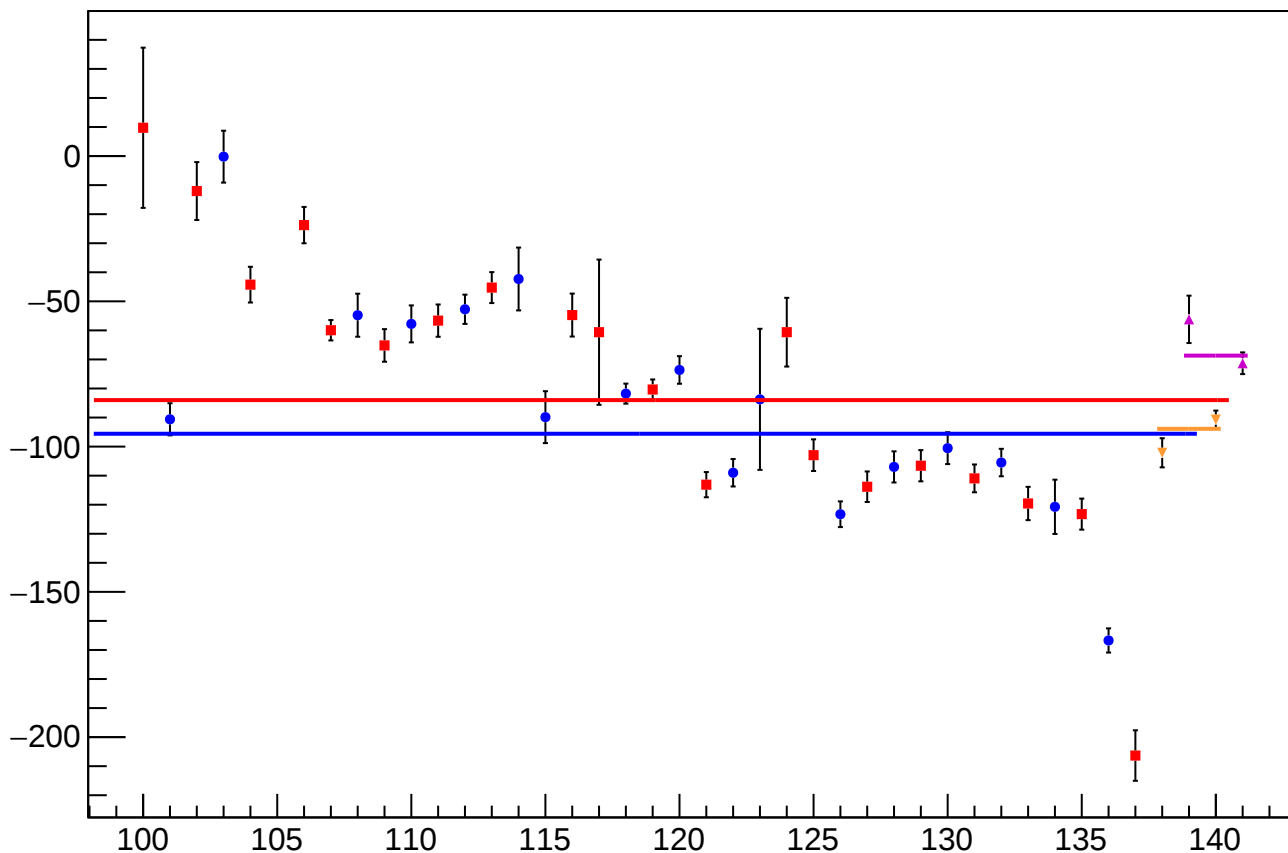
Right Out: -254.830 ± 2.016 χ^2/NDF : 2041.0/19

Left In: -263.030 ± 3.438 χ^2/NDF : 16.0/1

-258.437 ± 1.796 χ^2/NDF : 1173.3/18

-256.929 ± 1.739 χ^2/NDF : 2061.3/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -93.877 ± 2.641 χ^2/NDF : 3.8/1

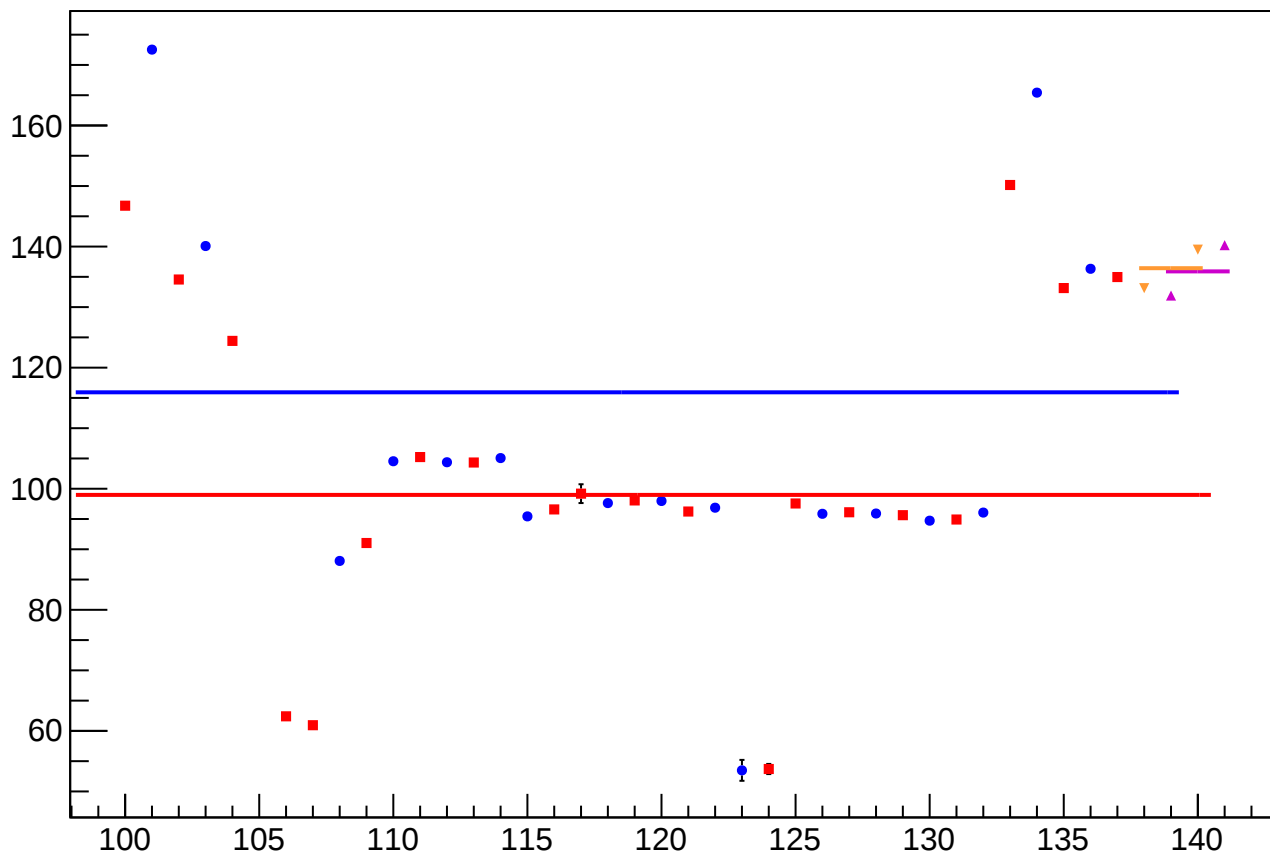
Right Out: -84.003 ± 1.255 χ^2/NDF : 784.1/19

Left In: -68.685 ± 3.398 χ^2/NDF : 2.8/1

-95.228 ± 1.195 χ^2/NDF : 675.3/18

-82.165 ± 1.177 χ^2/NDF : 804.8/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.927+/-0.078 χ^2/NDF : 105791.4/16

Left Out: 136.428+/-0.132 χ^2/NDF : 579.5/1

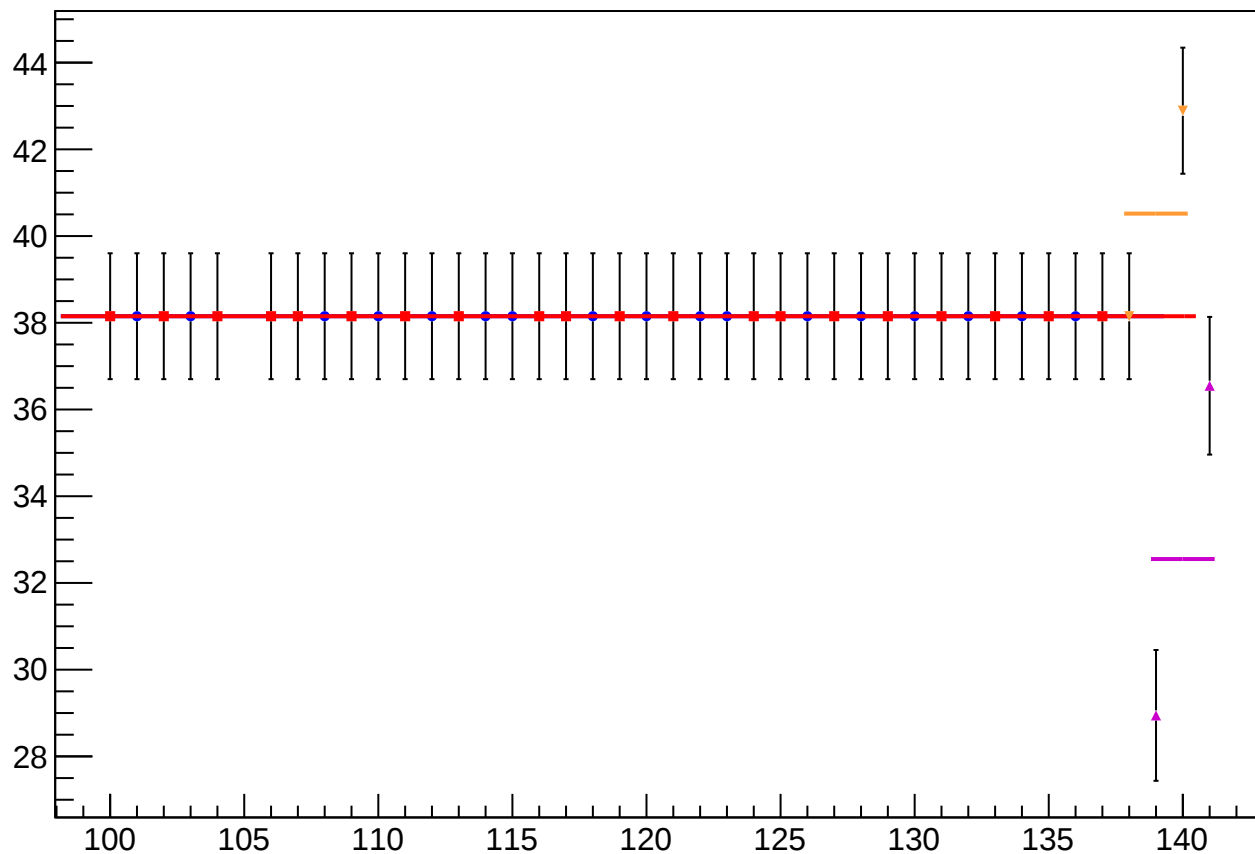
Right Out: 98.982+/-0.068 χ^2/NDF : 172974.2/19

Left In: 135.900+/-0.130 χ^2/NDF : 1022.8/1

121.274+/-0.067 χ^2/NDF : 124193.3/18

106.999+/-0.061 χ^2/NDF : 237105.5/21

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 38.151+/-0.352 χ^2 /NDF: 0.0/16

Left Out: 40.517+/-1.027 χ^2 /NDF:5.3/1

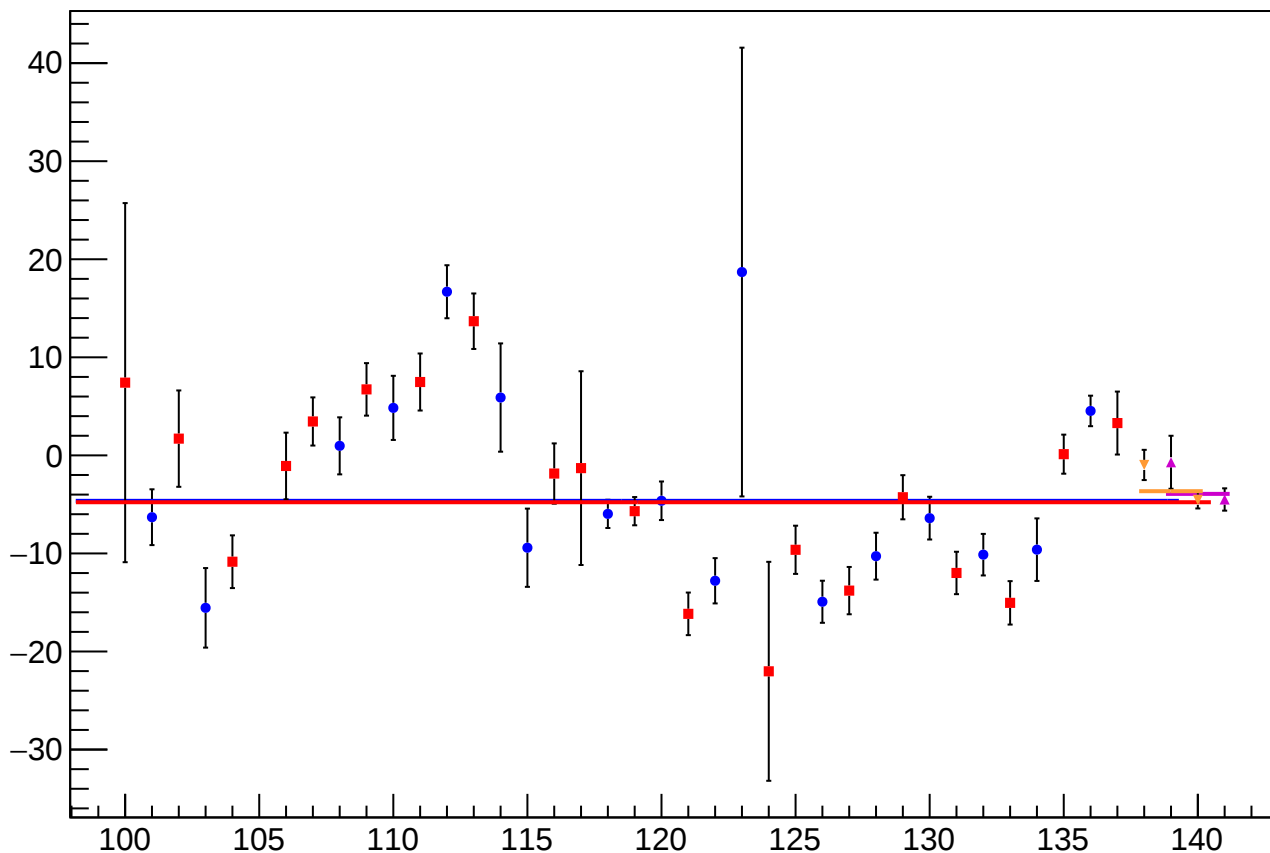
Right Out: 38.151+/-0.325 χ^2 /NDF: 0.0/19

Left In: 32.552+/-1.094 χ^2 /NDF:12.1/1

38.400+/-0.333 χ^2 /NDF: 10.1/18

37.698+/-0.311 χ^2 /NDF: 36.2/21

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 $\pm$ 0.588 χ^2 /NDF: 174.4/16

Left Out: -3.653 $\pm$ 0.766 χ^2 /NDF: 4.0/1

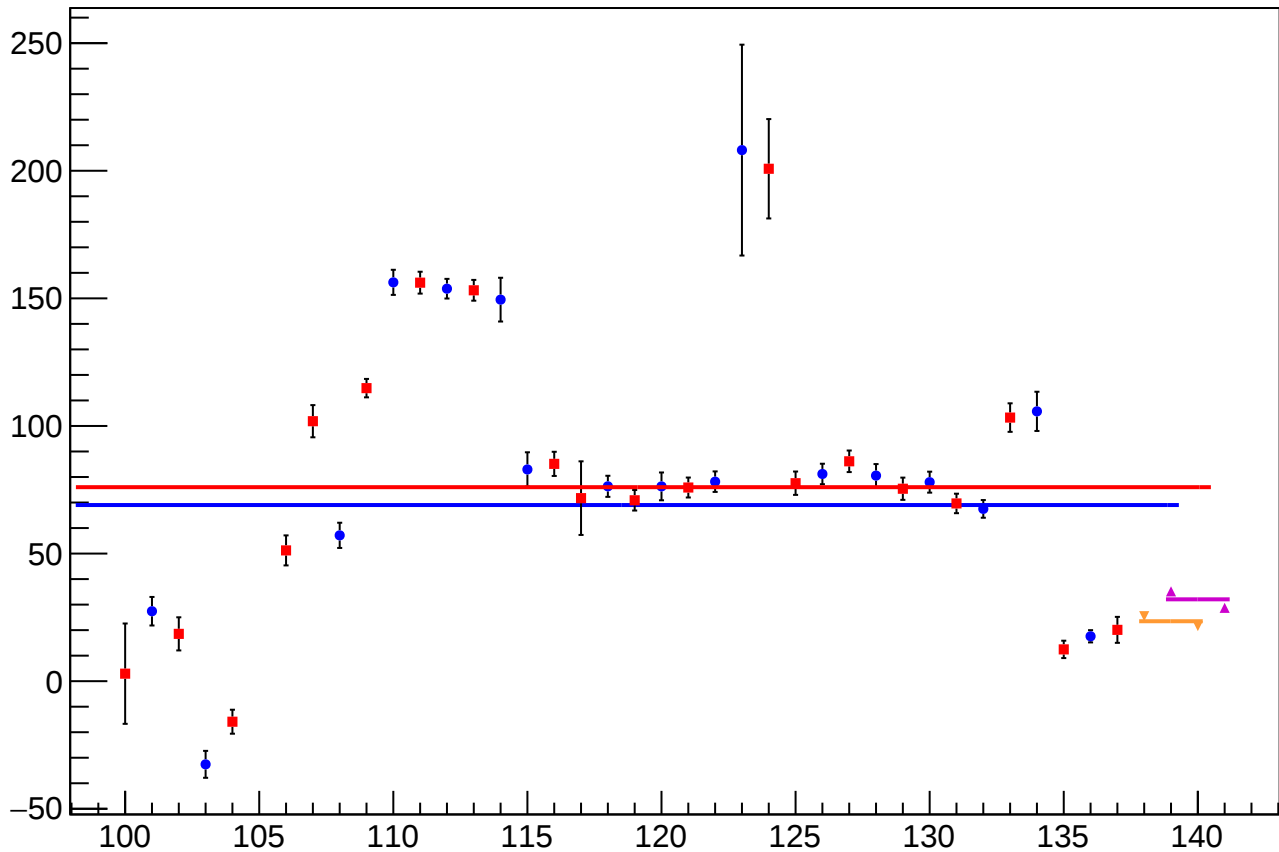
Right Out: -4.779 $\pm$ 0.583 χ^2 /NDF: 192.7/19

Left In: -3.927 $\pm$ 1.049 χ^2 /NDF: 1.7/1

-4.272 $\pm$ 0.466 χ^2 /NDF: 179.5/18

-4.577 $\pm$ 0.510 χ^2 /NDF: 194.8/21

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: 23.485+/-1.104 χ^2/NDF : 3.1/1

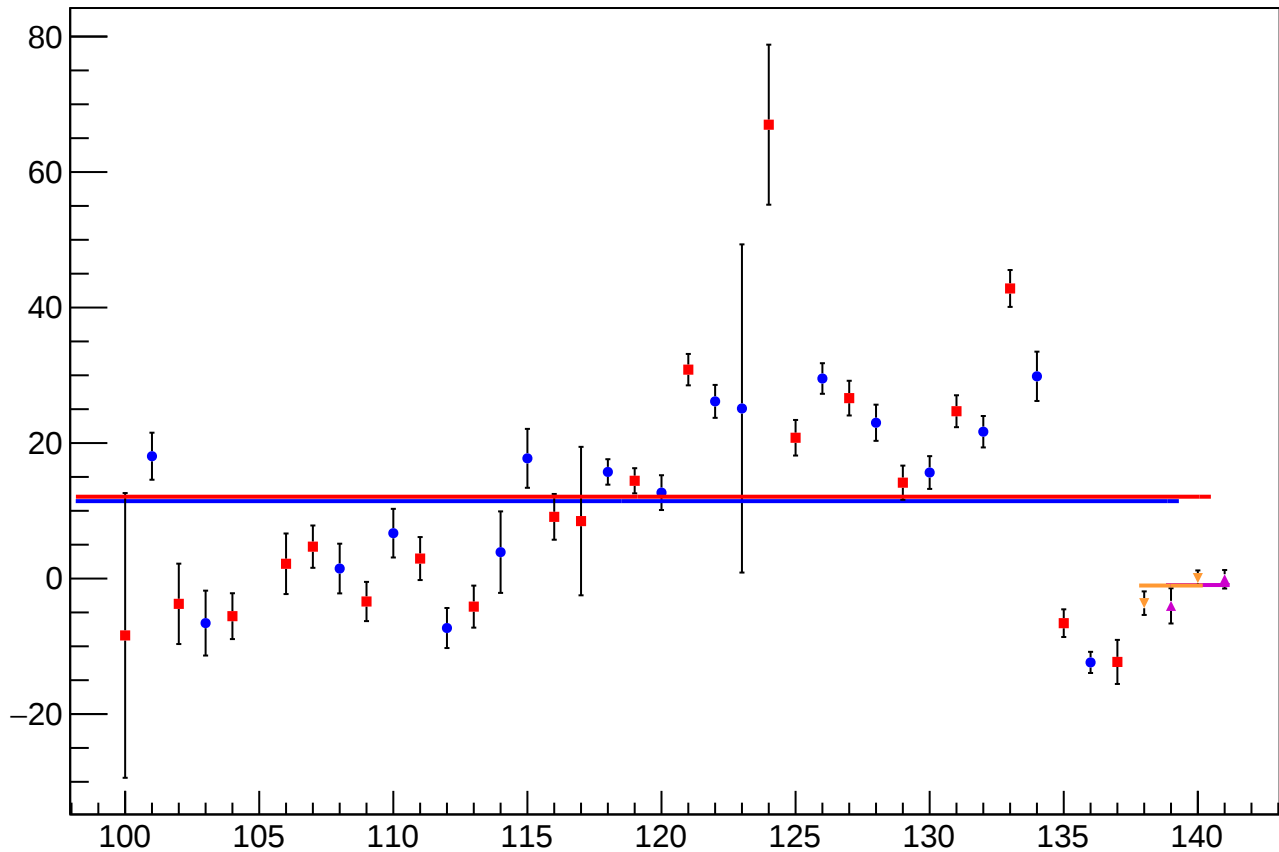
Right Out: 76.017+/-1.067 χ^2/NDF : 1882.0/19

Left In: 32.069+/-1.174 χ^2/NDF : 7.5/1

46.678+/-0.773 χ^2/NDF : 2717.7/18

56.144+/-0.790 χ^2/NDF : 2656.8/21

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 $\pm$ 0.665 χ^2 /NDF: 476.8/16

Left Out: -1.027 $\pm$ 0.947 χ^2 /NDF: 3.2/1

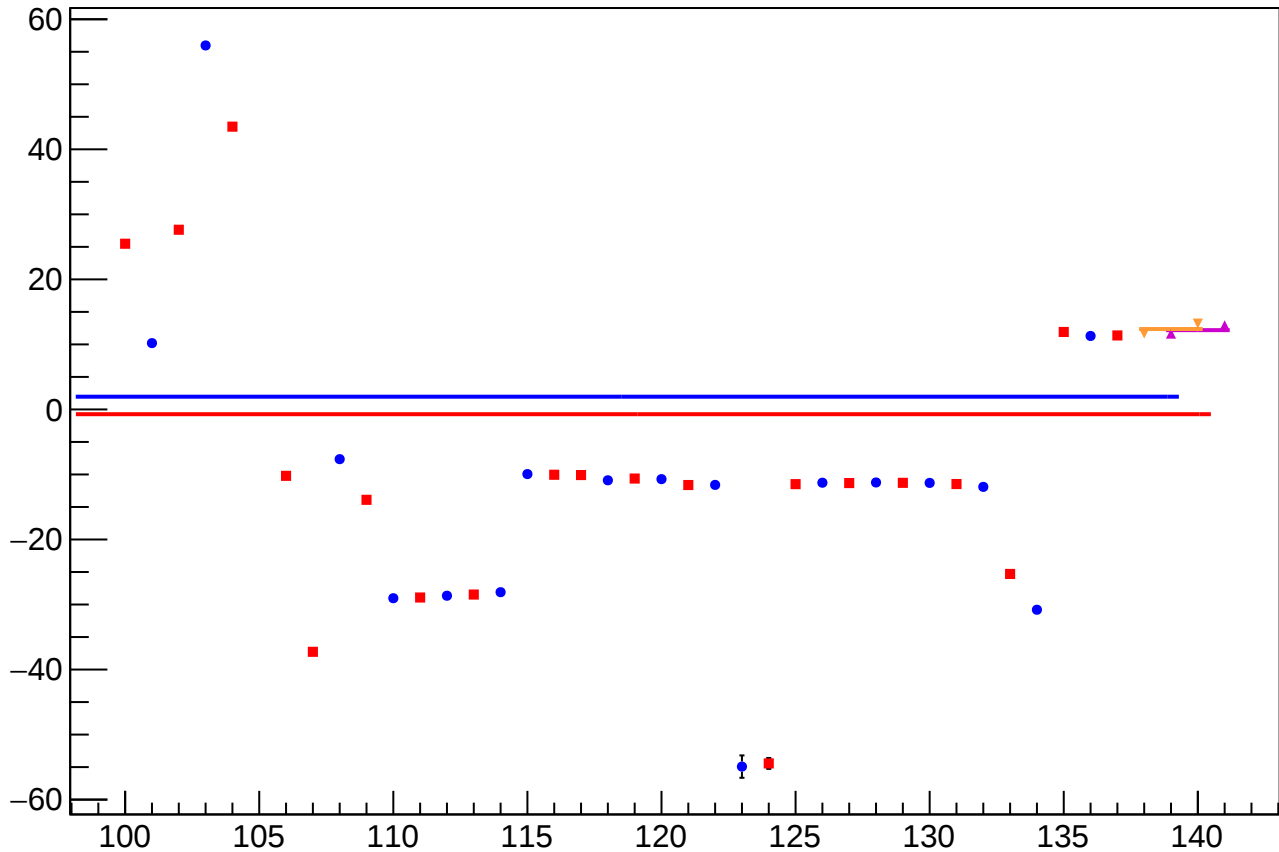
Right Out: 12.082 $\pm$ 0.663 χ^2 /NDF: 539.2/19

Left In: -0.953 $\pm$ 1.209 χ^2 /NDF: 1.8/1

7.311 $\pm$ 0.544 χ^2 /NDF: 595.8/18

9.068 $\pm$ 0.581 χ^2 /NDF: 630.4/21

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960+/-0.037 χ^2/NDF : 358457.0/16

Left Out: 12.366+/-0.045 χ^2/NDF : 280.9/1

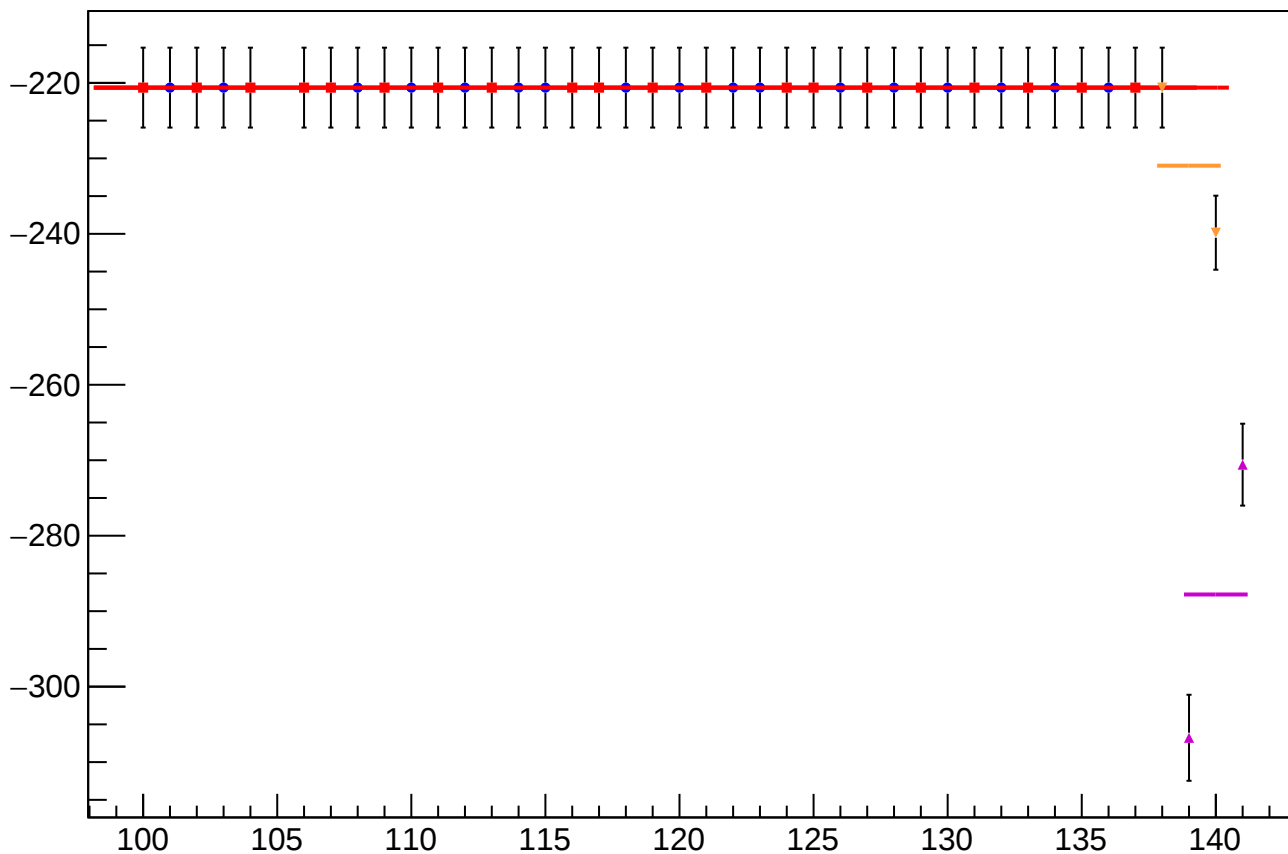
Right Out: -0.733+/-0.037 χ^2/NDF : 361368.4/19

Left In: 12.193+/-0.044 χ^2/NDF : 205.9/1

6.146+/-0.029 χ^2/NDF : 390304.6/18

4.653+/-0.028 χ^2/NDF : 412259.8/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -220.625+/-1.284 χ^2 /NDF: 0.0/16

Left Out: -230.968+/-3.598 χ^2 /NDF:7.1/1

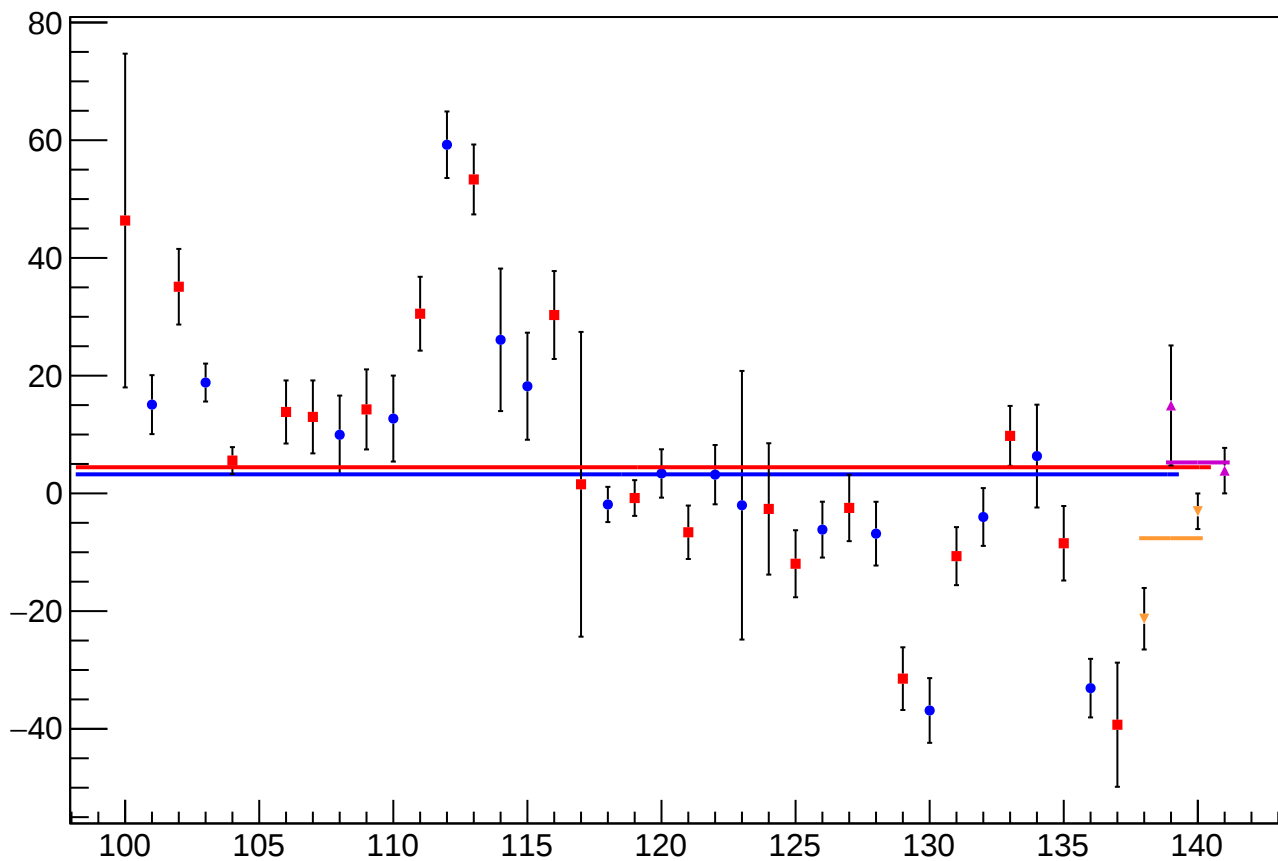
Right Out: -220.625+/-1.184 χ^2 /NDF: 0.0/19

Left In: -287.789+/-3.930 χ^2 /NDF:21.1/1

-221.794+/-1.209 χ^2 /NDF: 14.4/18

-226.212+/-1.133 χ^2 /NDF: 288.9/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 $\pm$ 1.244 χ^2 /NDF: 255.3/16

Left Out: -7.615 $\pm$ 2.617 χ^2 /NDF:9.1/1

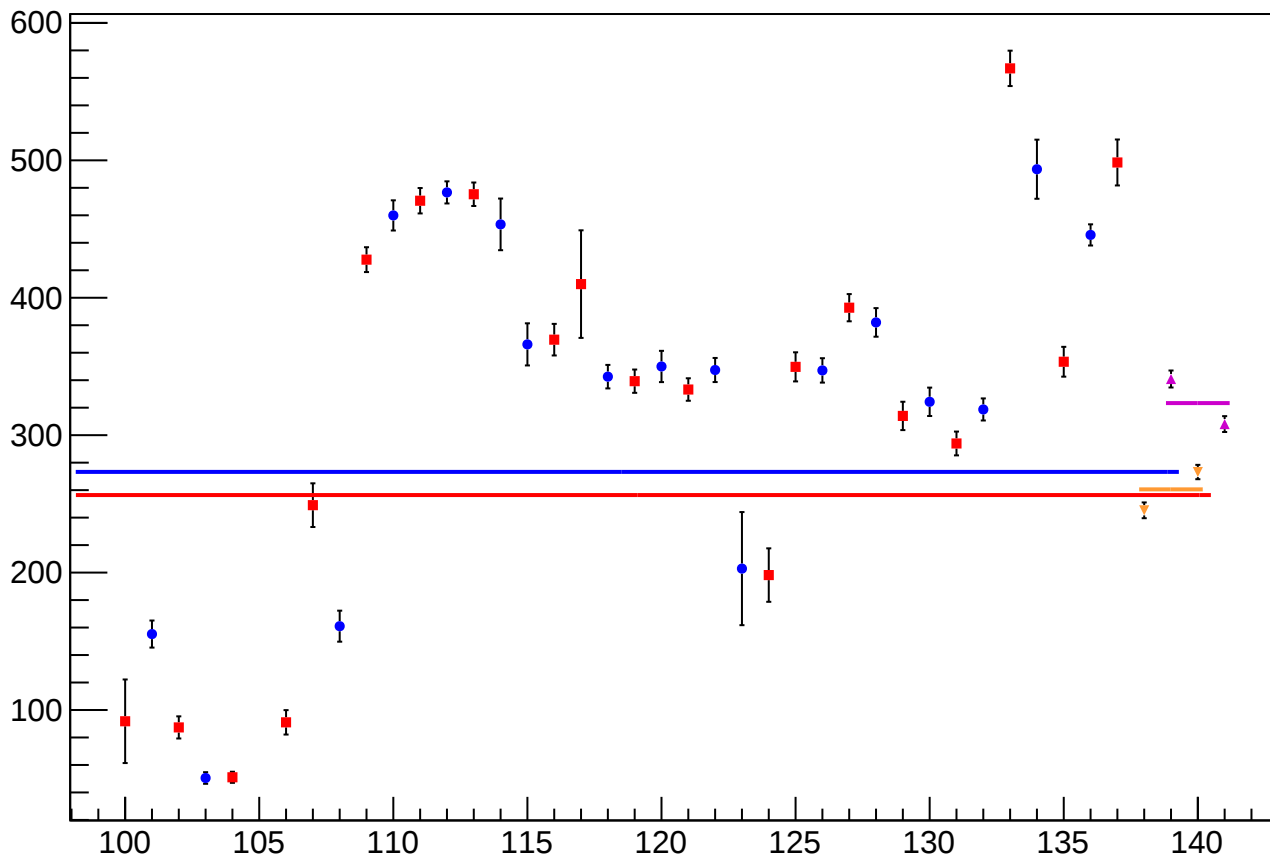
Right Out: 4.444 $\pm$ 1.156 χ^2 /NDF: 225.8/19

Left In: 5.258 $\pm$ 3.613 χ^2 /NDF:1.0/1

1.237 $\pm$ 1.123 χ^2 /NDF: 278.5/18

4.519 $\pm$ 1.101 χ^2 /NDF: 226.8/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 $\pm$ 2.205 χ^2 /NDF: 5101.5/16

Left Out: 260.555 $\pm$ 3.862 χ^2 /NDF:12.9/1

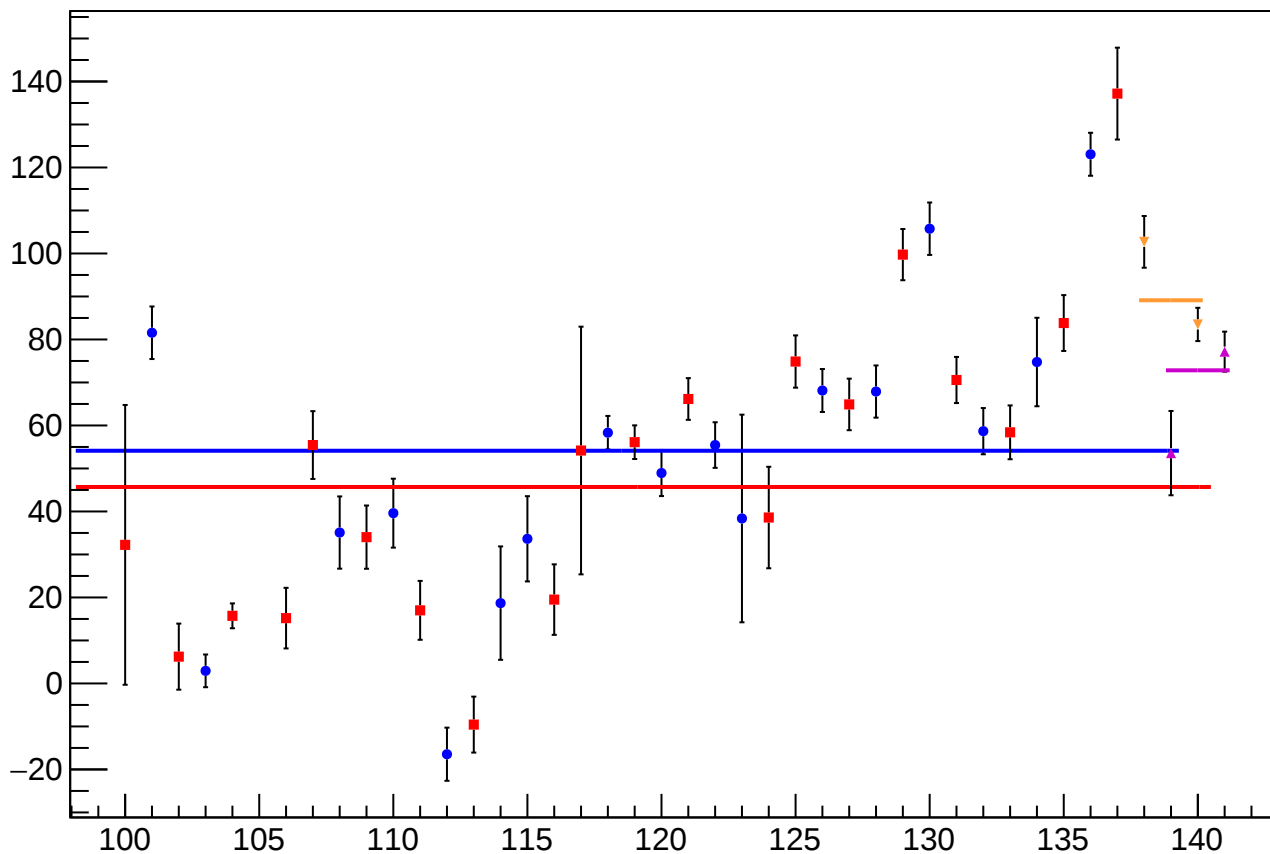
Right Out: 256.418 $\pm$ 2.077 χ^2 /NDF: 6453.9/19

Left In: 323.347 $\pm$ 4.216 χ^2 /NDF:15.1/1

270.150 $\pm$ 1.915 χ^2 /NDF: 5122.6/18

269.486 $\pm$ 1.863 χ^2 /NDF: 6671.7/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119 $\pm$ 1.438 χ^2/NDF : 633.9/16

Left Out: 89.117 $\pm$ 3.255 χ^2/NDF : 7.2/1

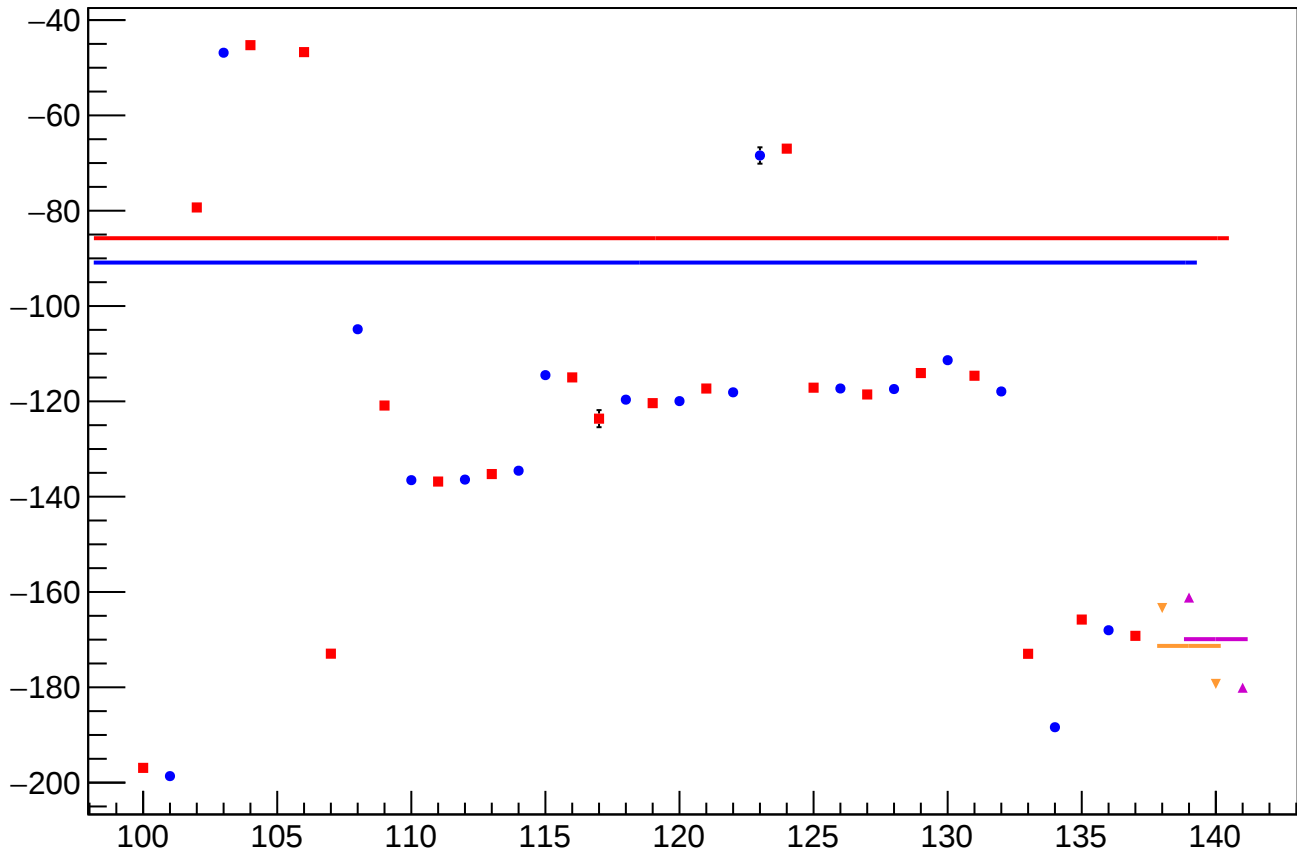
Right Out: 45.694 $\pm$ 1.356 χ^2/NDF : 531.1/19

Left In: 72.825 $\pm$ 4.205 χ^2/NDF : 4.7/1

59.835 $\pm$ 1.315 χ^2/NDF : 737.9/18

48.249 $\pm$ 1.290 χ^2/NDF : 573.6/21

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: -171.312+/-0.161 χ^2/NDF : 2434.4/1

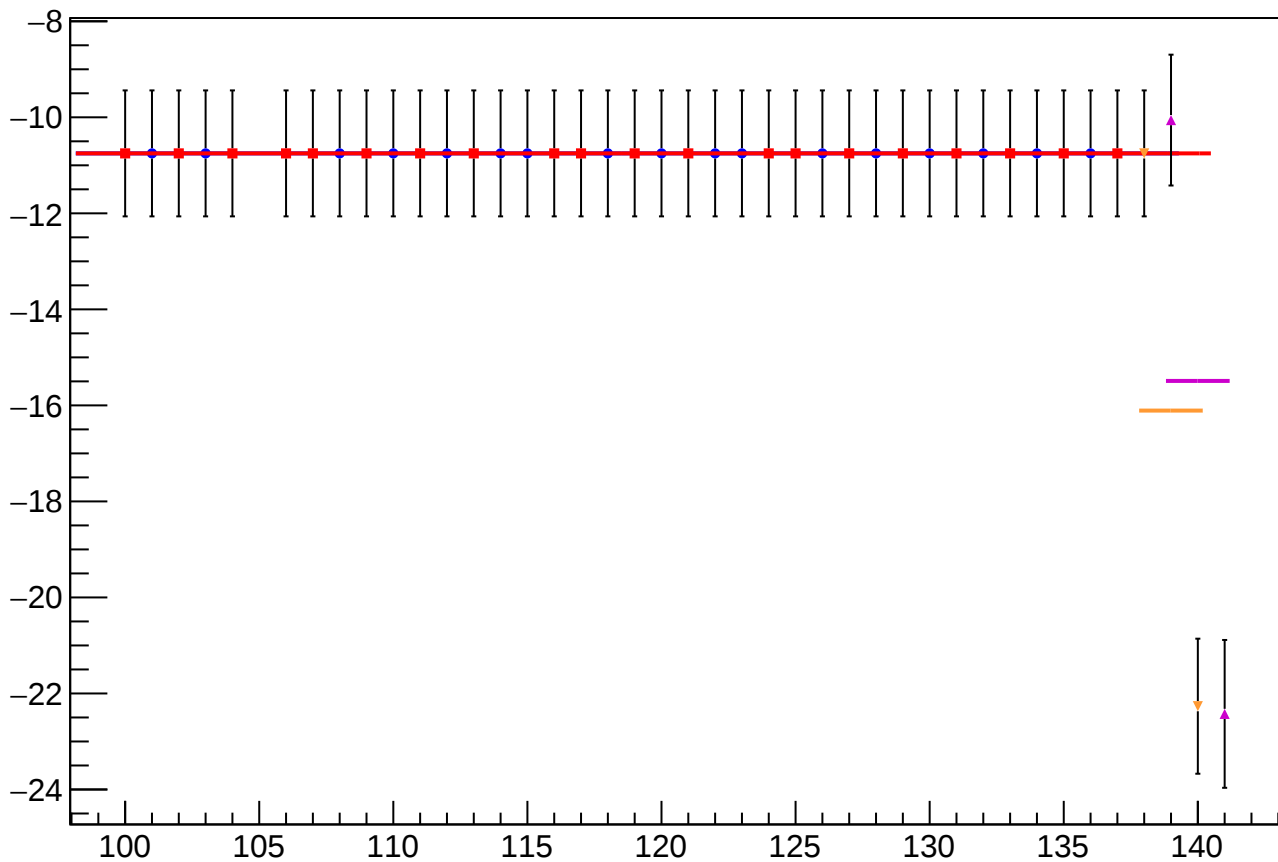
Right Out: -85.772+/-0.065 χ^2/NDF : 494629.5/19

Left In: -169.895+/-0.159 χ^2/NDF : 3520.9/1

-102.936+/-0.062 χ^2/NDF : 747071.1/18

-97.836+/-0.060 χ^2/NDF : 738190.2/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -10.752 ± 0.318 χ^2/NDF : 0.0/16

Left Out: -16.108 ± 0.959 χ^2/NDF : 35.8/1

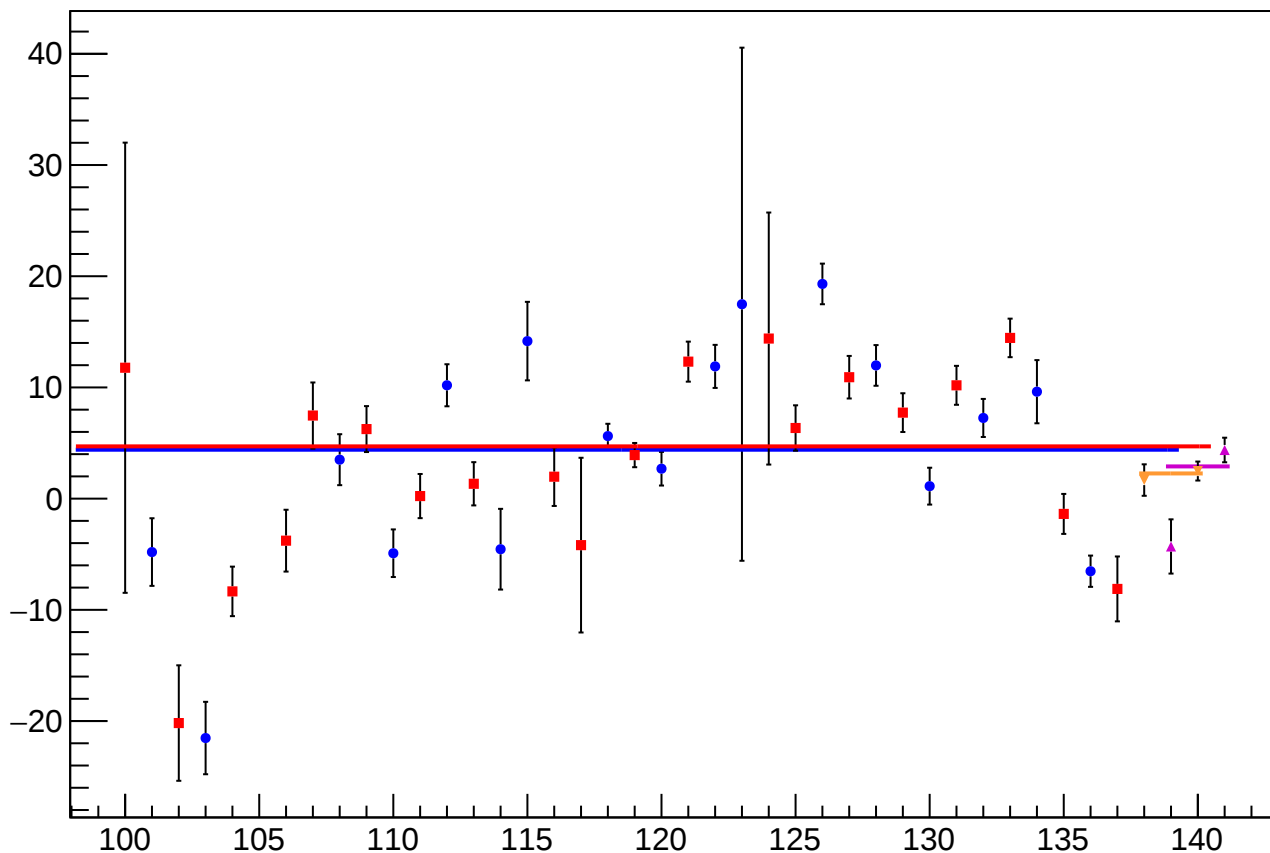
Right Out: -10.752 ± 0.293 χ^2/NDF : 0.0/19

Left In: -15.491 ± 1.020 χ^2/NDF : 36.2/1

-11.282 ± 0.302 χ^2/NDF : 63.9/18

-11.113 ± 0.282 χ^2/NDF : 56.1/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 $\pm$ 0.471 χ^2 /NDF: 286.8/16

Left Out: 2.265 $\pm$ 0.731 χ^2 /NDF: 0.2/1

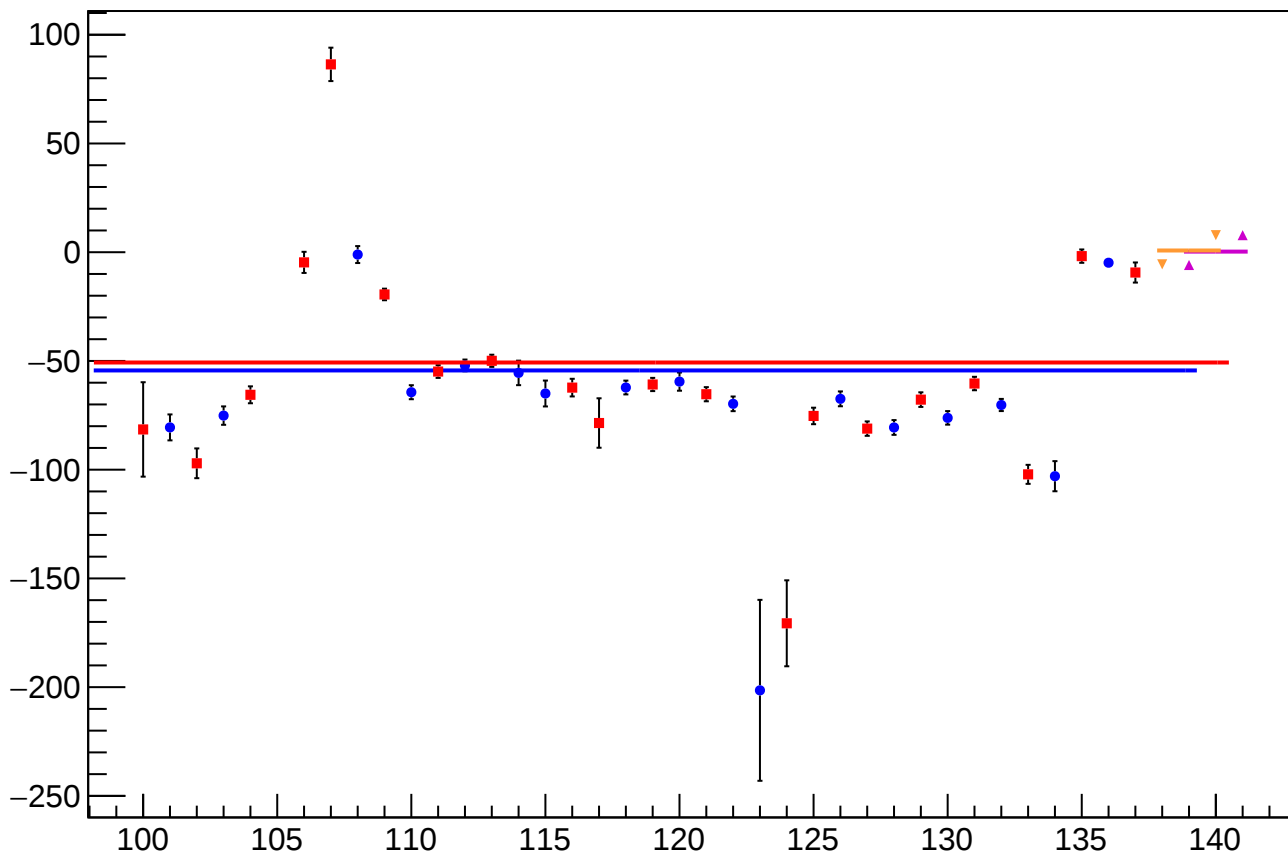
Right Out: 4.700 $\pm$ 0.472 χ^2 /NDF: 184.2/19

Left In: 2.897 $\pm$ 1.006 χ^2 /NDF: 10.5/1

3.773 $\pm$ 0.396 χ^2 /NDF: 293.1/18

4.374 $\pm$ 0.427 χ^2 /NDF: 197.3/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.365+/-0.868 χ^2/NDF : 1013.5/16

Left Out: 0.791+/-1.032 χ^2/NDF : 42.1/1

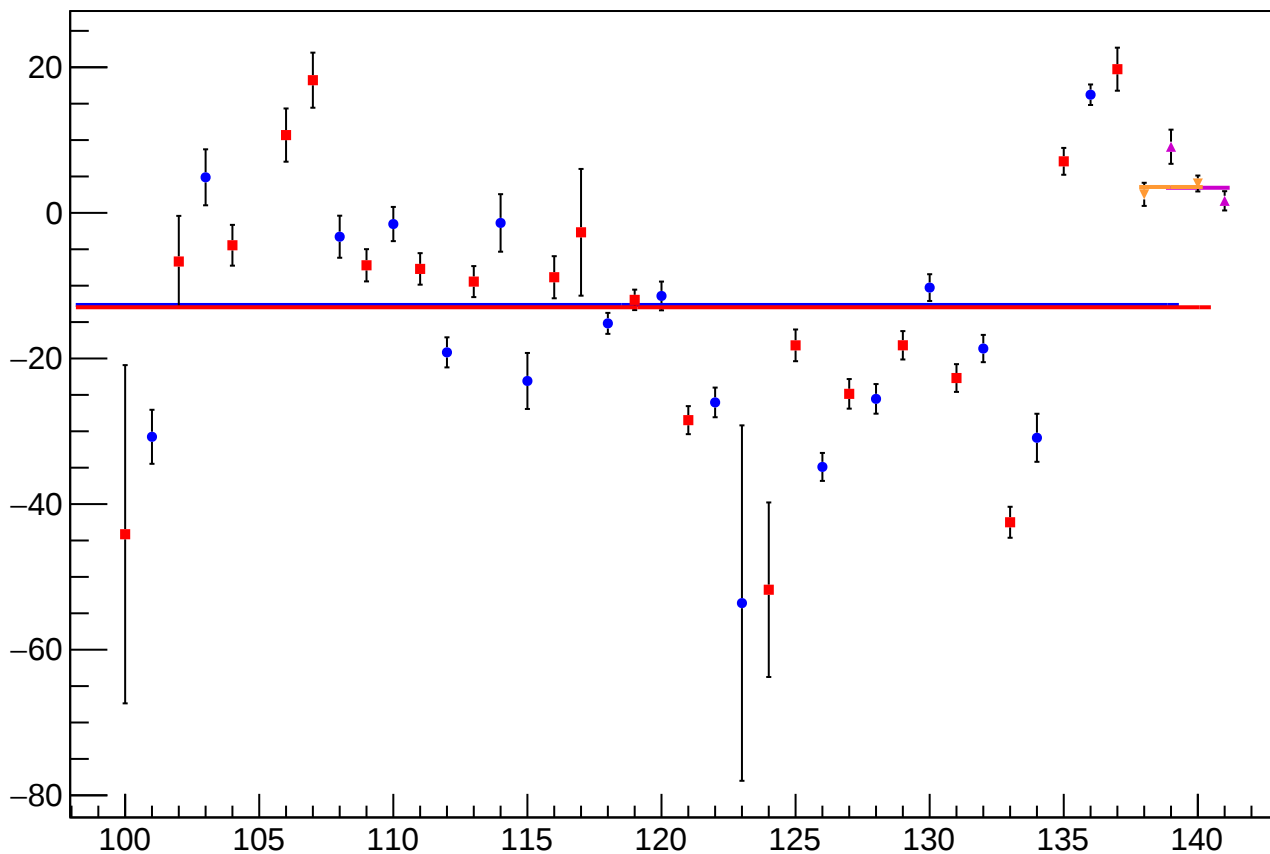
Right Out: -50.712+/-0.855 χ^2/NDF : 1327.3/19

Left In: 0.280+/-1.096 χ^2/NDF : 38.7/1

-31.495+/-0.664 χ^2/NDF : 2729.0/18

-31.428+/-0.674 χ^2/NDF : 2710.9/21

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: 3.556 ± 0.900 χ^2/NDF : 0.6/1

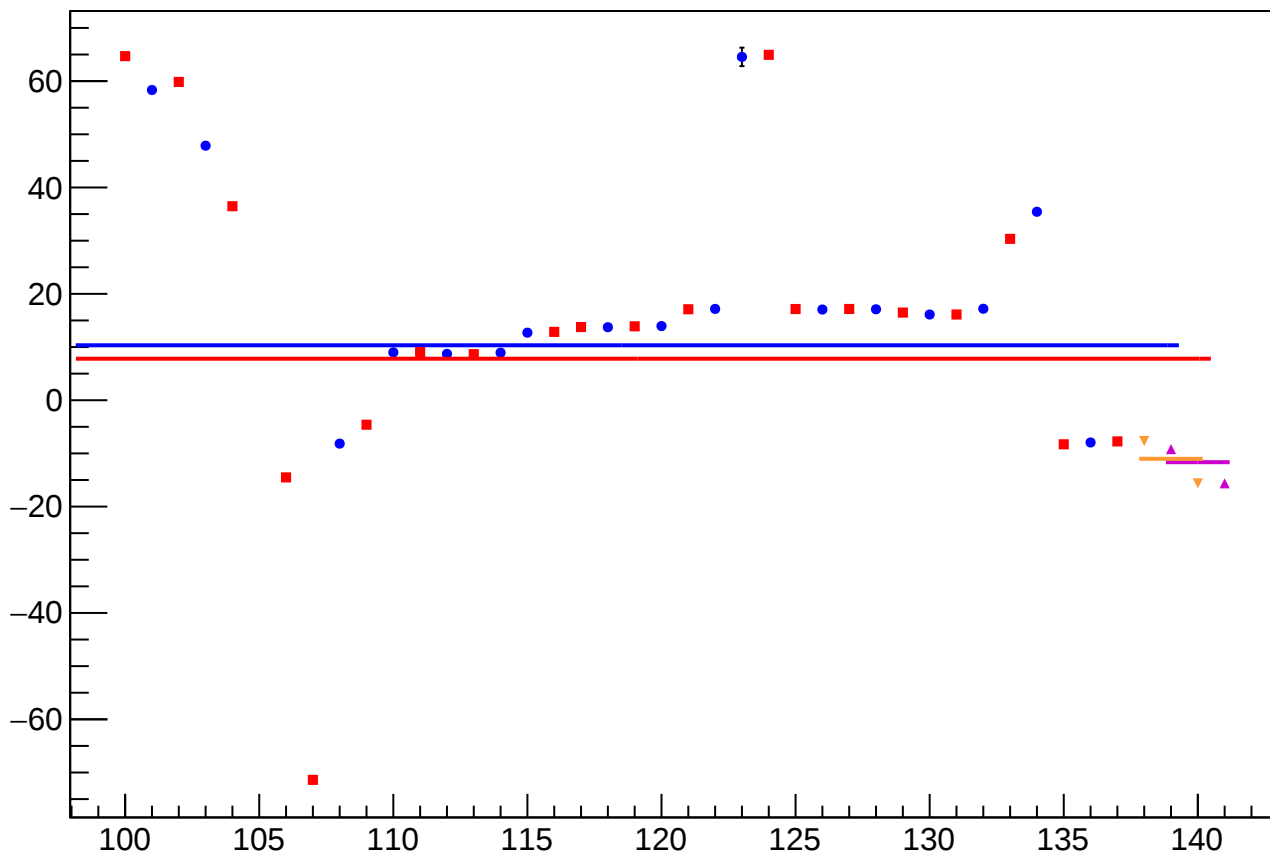
Right Out: -12.965 ± 0.536 χ^2/NDF : 722.8/19

Left In: 3.450 ± 1.153 χ^2/NDF : 7.6/1

-8.404 ± 0.461 χ^2/NDF : 1028.2/18

-10.045 ± 0.486 χ^2/NDF : 897.0/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330+/-0.031 χ^2/NDF : 380857.1/16

Left Out: -11.016+/-0.042 χ^2/NDF : 8727.3/1

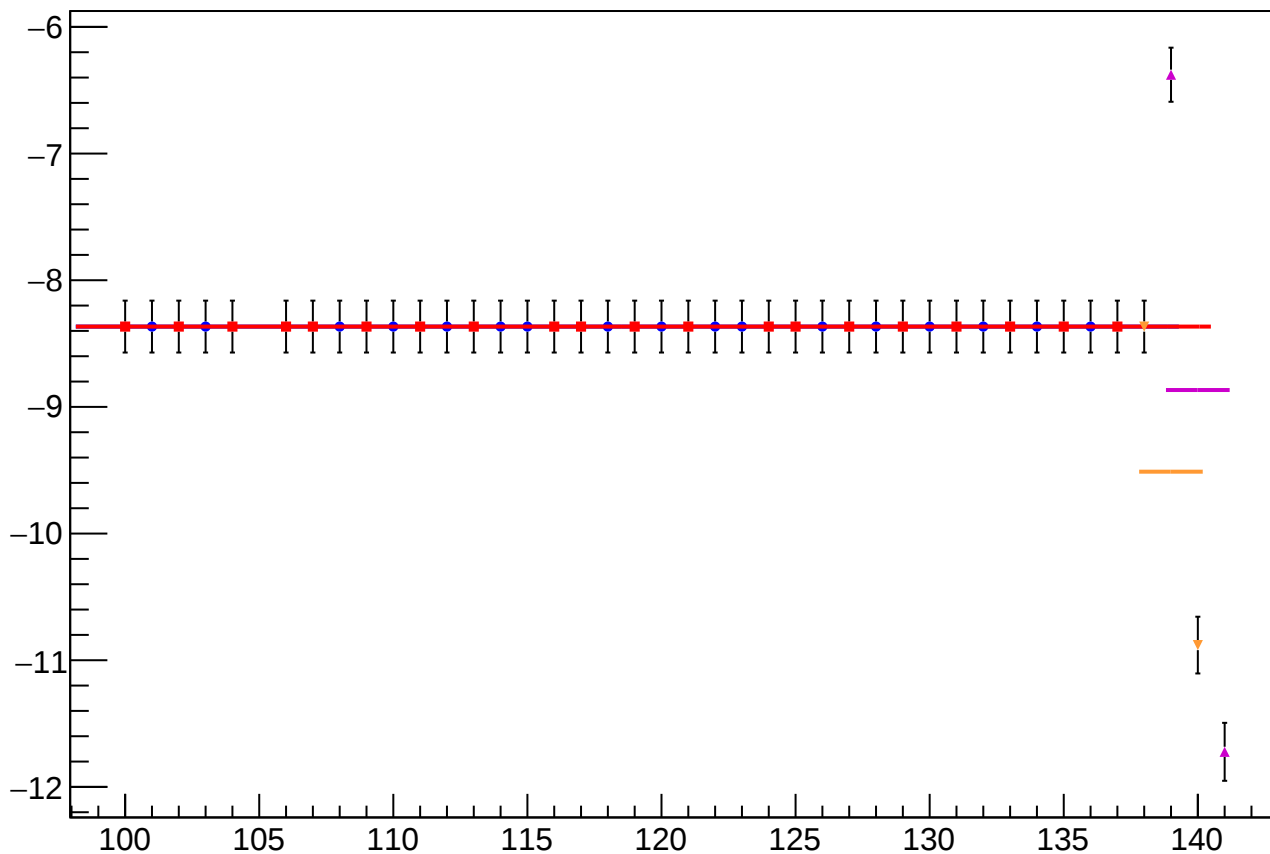
Right Out: 7.808+/-0.031 χ^2/NDF : 544249.7/19

Left In: -11.650+/-0.041 χ^2/NDF : 5900.0/1

2.922+/-0.025 χ^2/NDF : 557633.6/18

0.596+/-0.025 χ^2/NDF : 693842.2/21

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -8.366+/-0.050 χ^2/NDF : 0.0/16

Left Out: -9.511+/-0.151 χ^2/NDF : 68.6/1

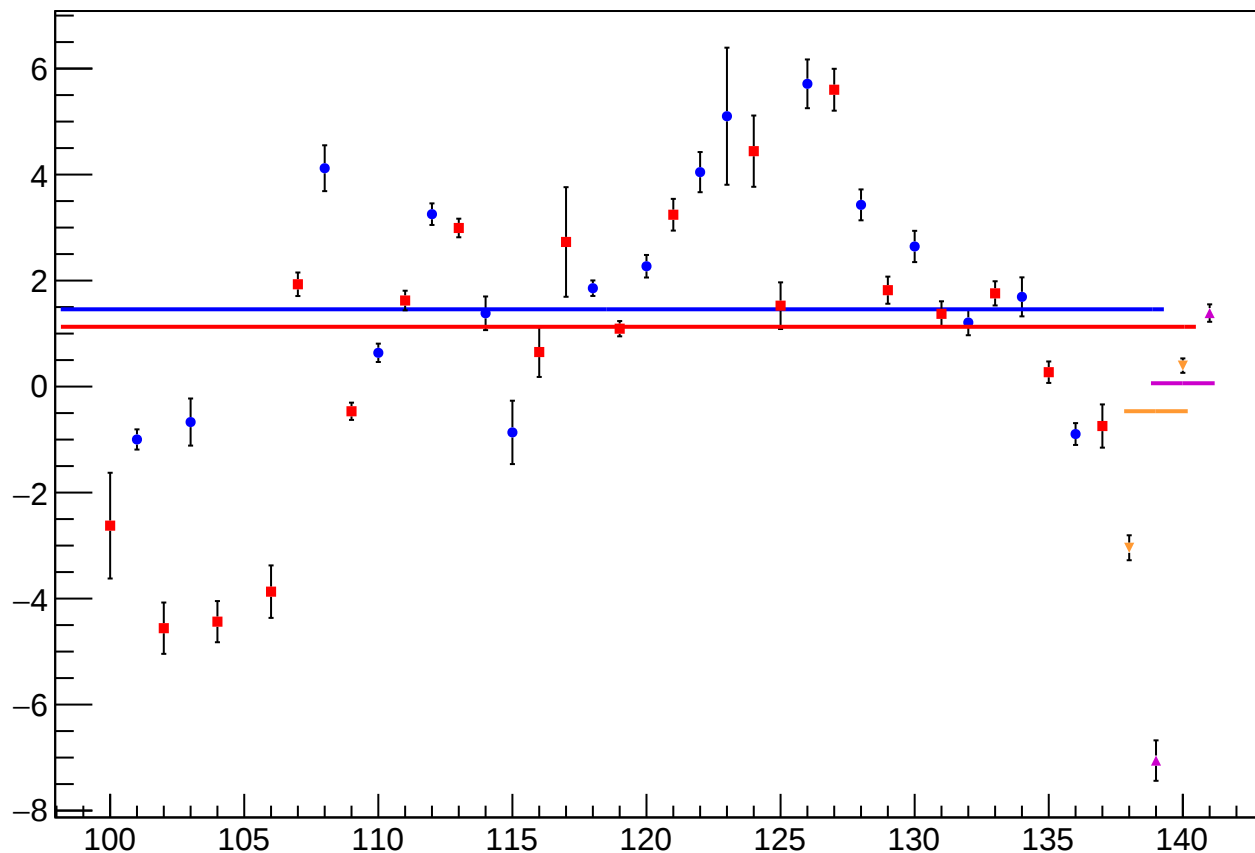
Right Out: -8.366+/-0.046 χ^2/NDF : 0.0/19

Left In: -8.867+/-0.156 χ^2/NDF : 291.7/1

-8.478+/-0.047 χ^2/NDF : 120.5/18

-8.406+/-0.044 χ^2/NDF : 301.2/21

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 $\pm$ 0.062 χ^2 /NDF: 698.2/16

Left Out: -0.465 $\pm$ 0.118 χ^2 /NDF:159.7/1

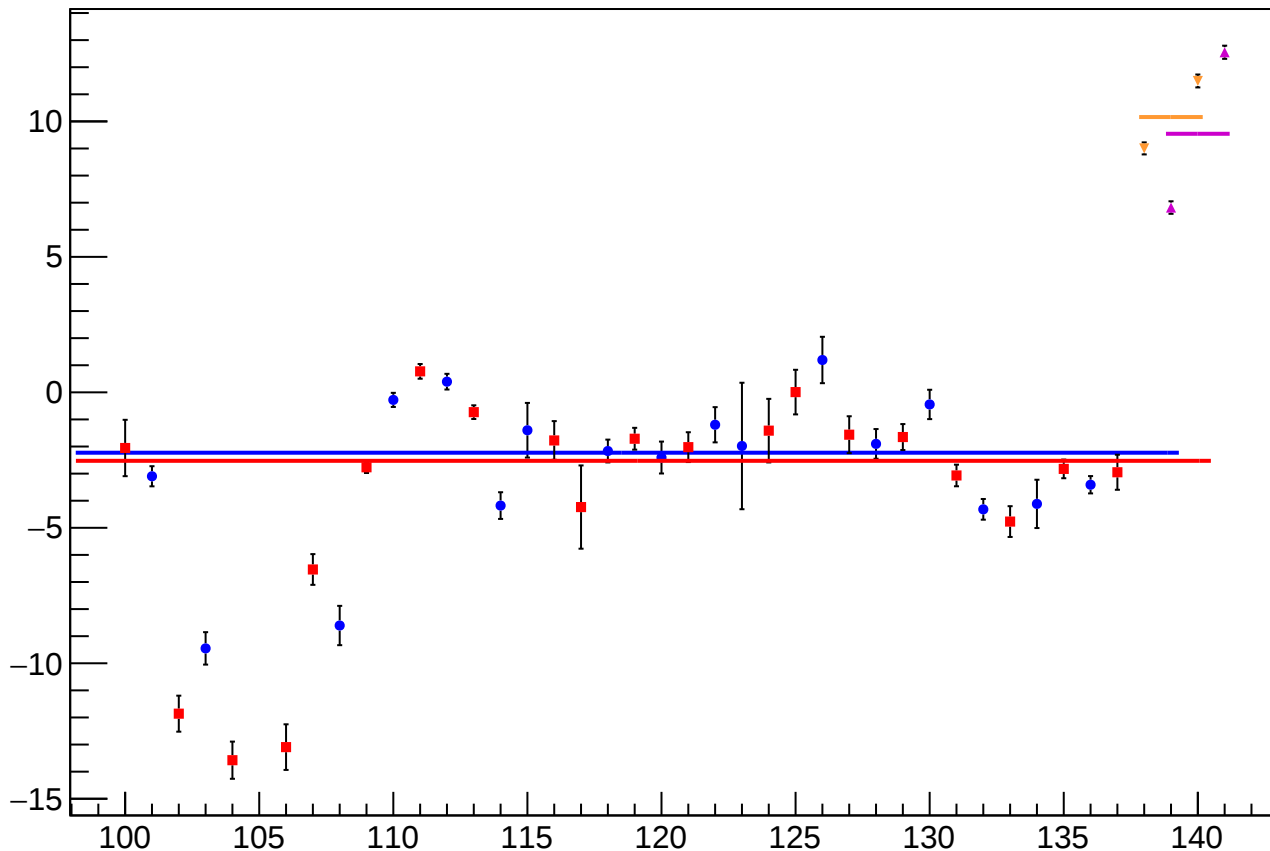
Right Out: 1.128 $\pm$ 0.058 χ^2 /NDF: 949.8/19

Left In: 0.063 $\pm$ 0.151 χ^2 /NDF:413.0/1

1.042 $\pm$ 0.055 χ^2 /NDF: 1066.7/18

0.991 $\pm$ 0.054 χ^2 /NDF: 1406.1/21

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 10.161 ± 0.163 χ^2/NDF : 58.2/1

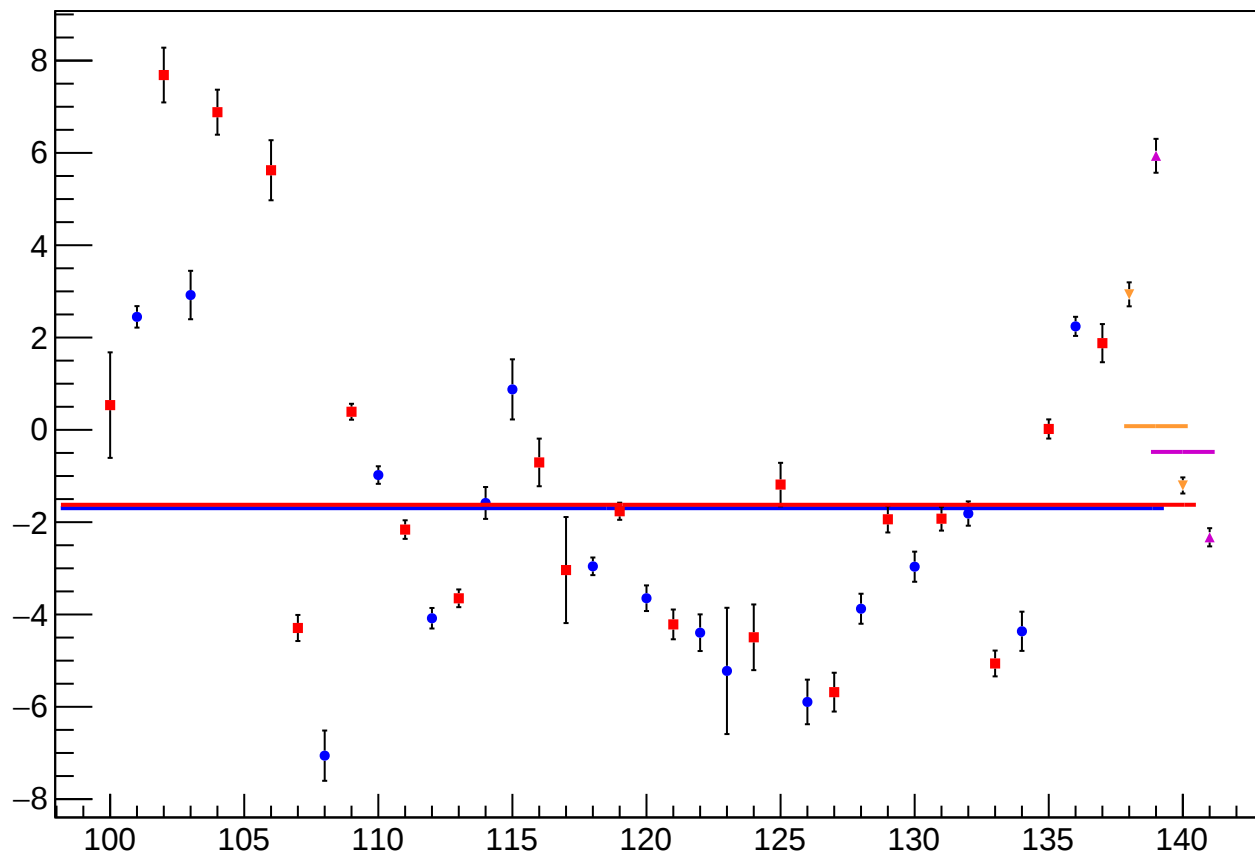
Right Out: -2.527 ± 0.099 χ^2/NDF : 905.2/19

Left In: 9.543 ± 0.168 χ^2/NDF : 291.3/1

1.720 ± 0.092 χ^2/NDF : 4469.2/18

0.582 ± 0.085 χ^2/NDF : 5043.2/21

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 $\chi^2/\text{NDF}: 1319.4/16$

Left Out: 0.080 ± 0.145 $\chi^2/\text{NDF}: 175.2/1$

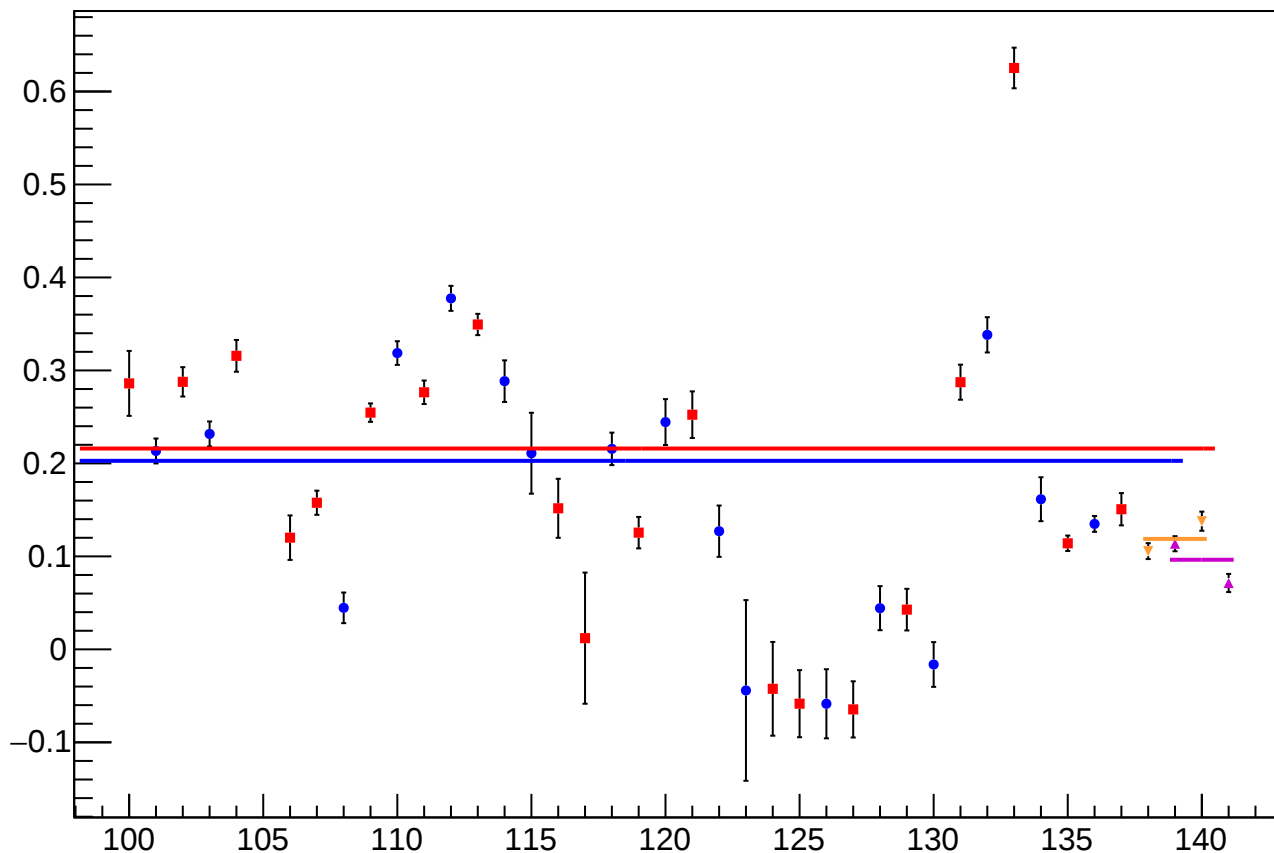
Right Out: -1.623 ± 0.066 $\chi^2/\text{NDF}: 1490.8/19$

Left In: -0.478 ± 0.174 $\chi^2/\text{NDF}: 393.1/1$

-1.351 ± 0.064 $\chi^2/\text{NDF}: 1616.2/18$

-1.480 ± 0.061 $\chi^2/\text{NDF}: 1921.9/21$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 $\pm$ 0.004 χ^2/NDF : 676.5/16

Left Out: 0.119 $\pm$ 0.007 χ^2/NDF : 5.8/1

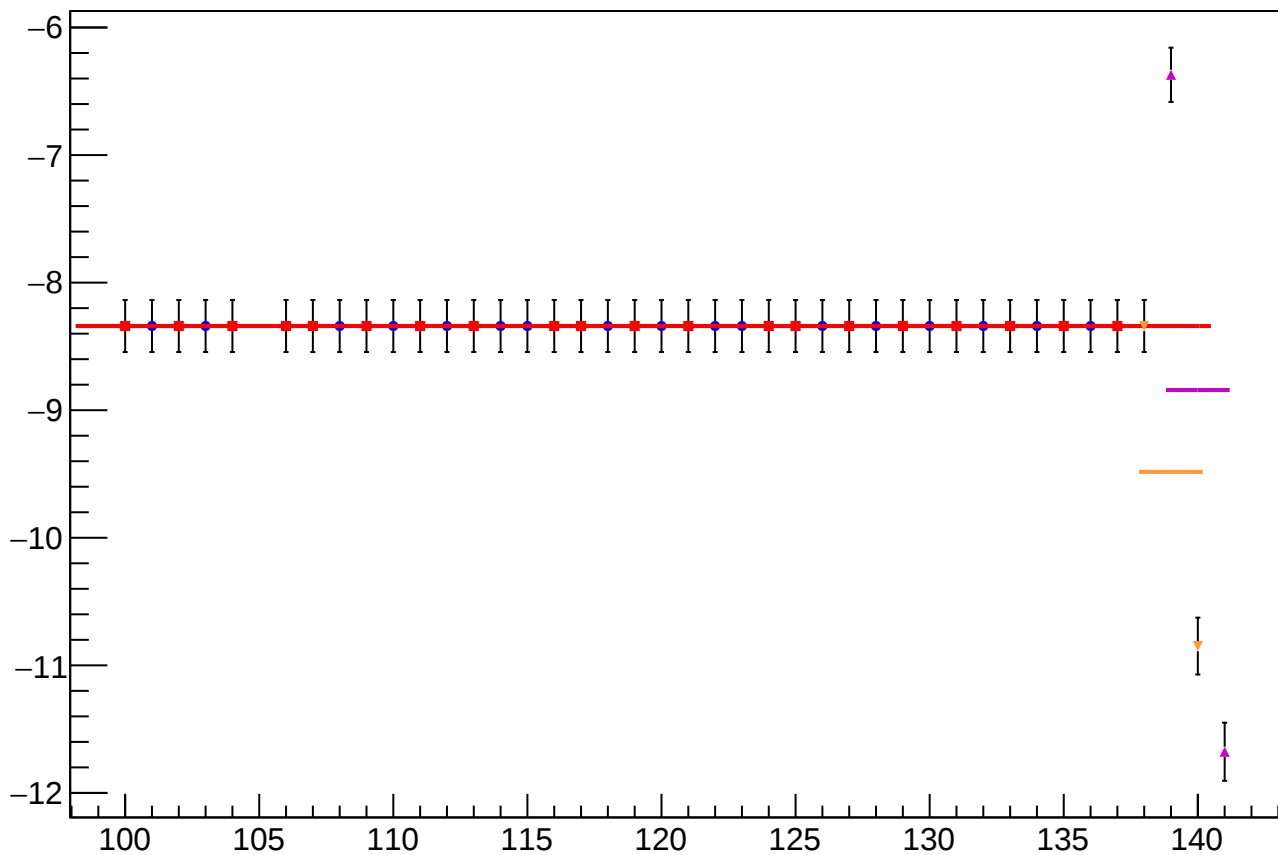
Right Out: 0.216 $\pm$ 0.004 χ^2/NDF : 1072.8/19

Left In: 0.096 $\pm$ 0.006 χ^2/NDF : 11.1/1

0.179 $\pm$ 0.004 χ^2/NDF : 798.9/18

0.185 $\pm$ 0.003 χ^2/NDF : 1355.9/21

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -8.340 $\pm$ 0.049 χ^2 /NDF: 0.0/16

Left Out: -9.483 $\pm$ 0.150 χ^2 /NDF: 68.9/1

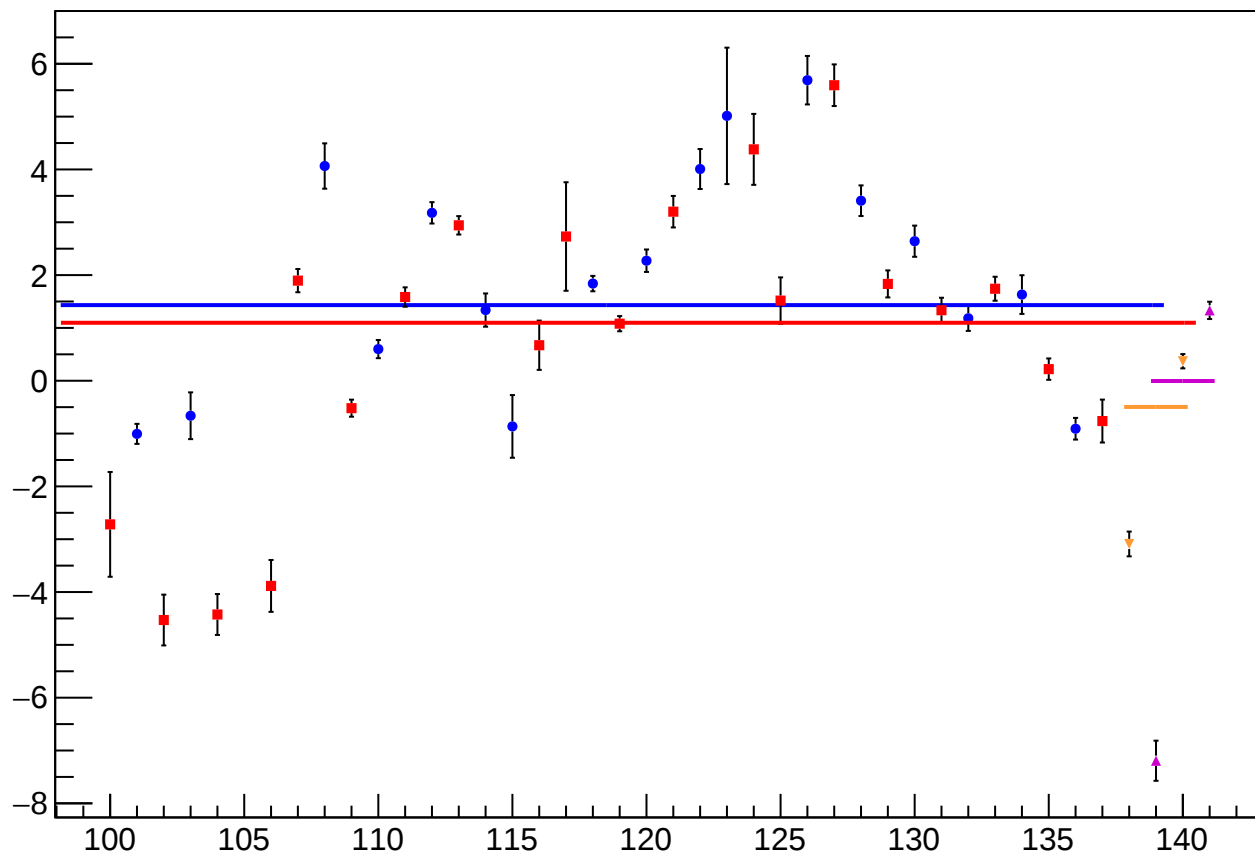
Right Out: -8.340 $\pm$ 0.046 χ^2 /NDF: 0.0/19

Left In: -8.842 $\pm$ 0.155 χ^2 /NDF: 290.0/1

-8.452 $\pm$ 0.047 χ^2 /NDF: 121.0/18

-8.380 $\pm$ 0.044 χ^2 /NDF: 299.6/21

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 $\pm$ 0.062 χ^2 /NDF: 696.6/16

Left Out: -0.496 $\pm$ 0.117 χ^2 /NDF:163.3/1

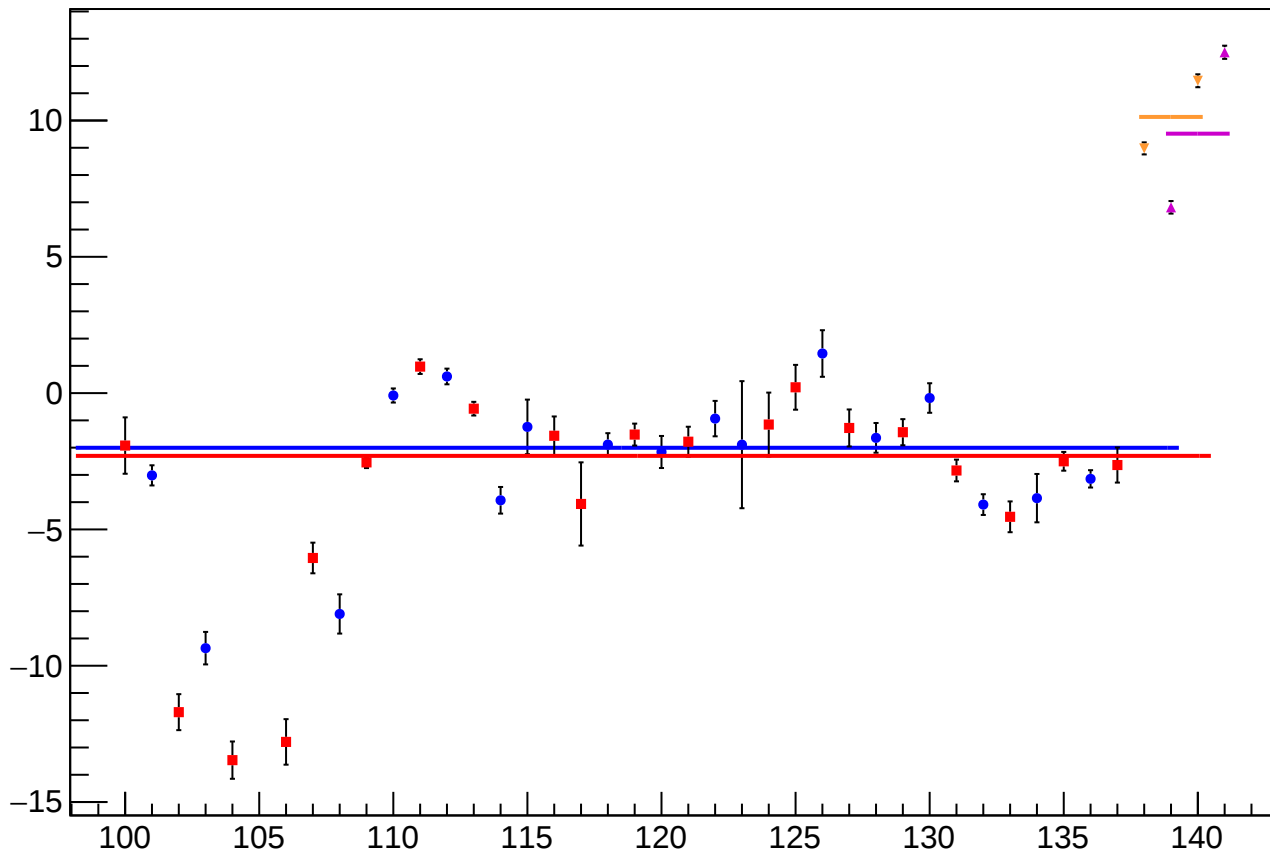
Right Out: 1.098 $\pm$ 0.058 χ^2 /NDF: 955.7/19

Left In: -0.005 $\pm$ 0.150 χ^2 /NDF:424.7/1

1.014 $\pm$ 0.055 χ^2 /NDF: 1071.7/18

0.956 $\pm$ 0.054 χ^2 /NDF: 1427.2/21

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005+/-0.111 χ^2/NDF : 463.1/16

Left Out: 10.131+/-0.162 χ^2/NDF :58.4/1

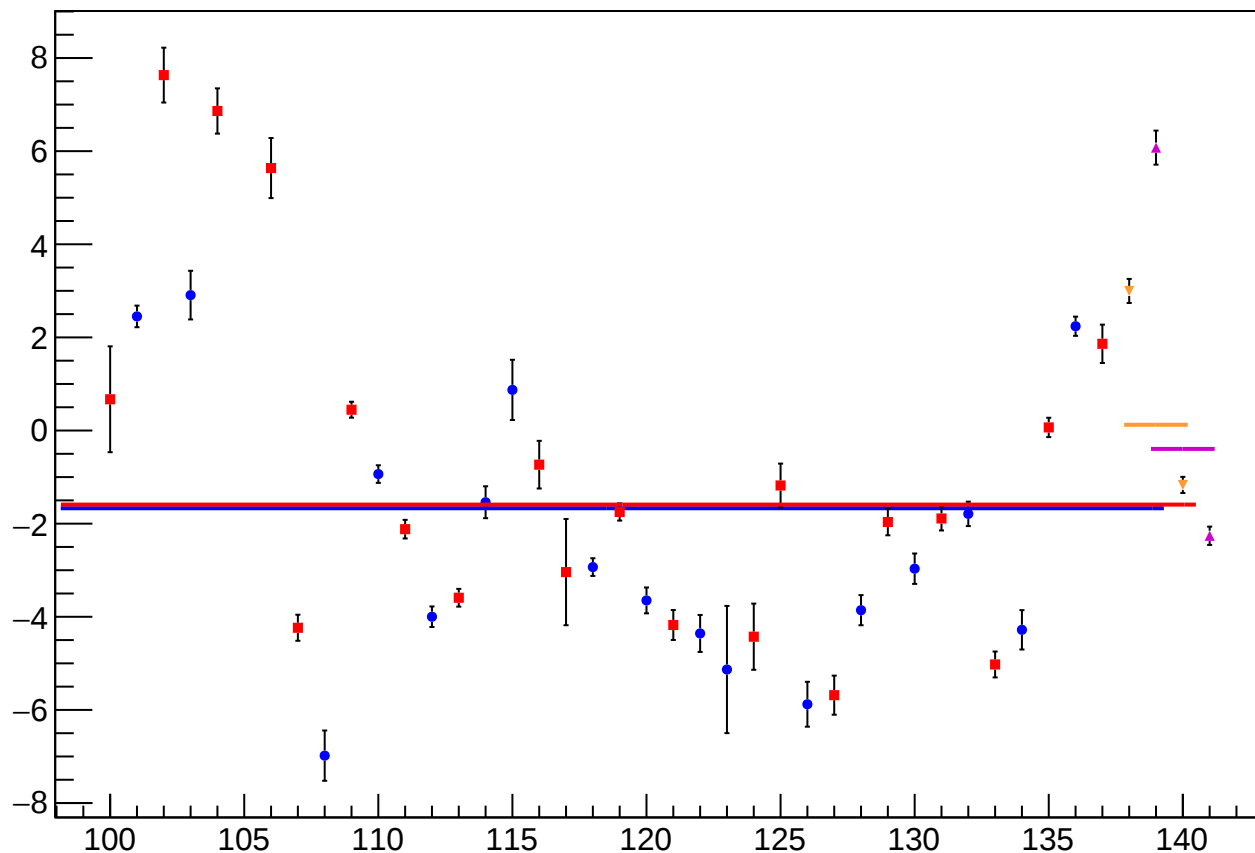
Right Out: -2.302+/-0.098 χ^2/NDF : 908.6/19

Left In: 9.517+/-0.167 χ^2/NDF :289.3/1

1.859+/-0.091 χ^2/NDF : 4347.4/18

0.738+/-0.085 χ^2/NDF : 4920.0/21

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: 0.124 ± 0.144 χ^2/NDF : 178.9/1

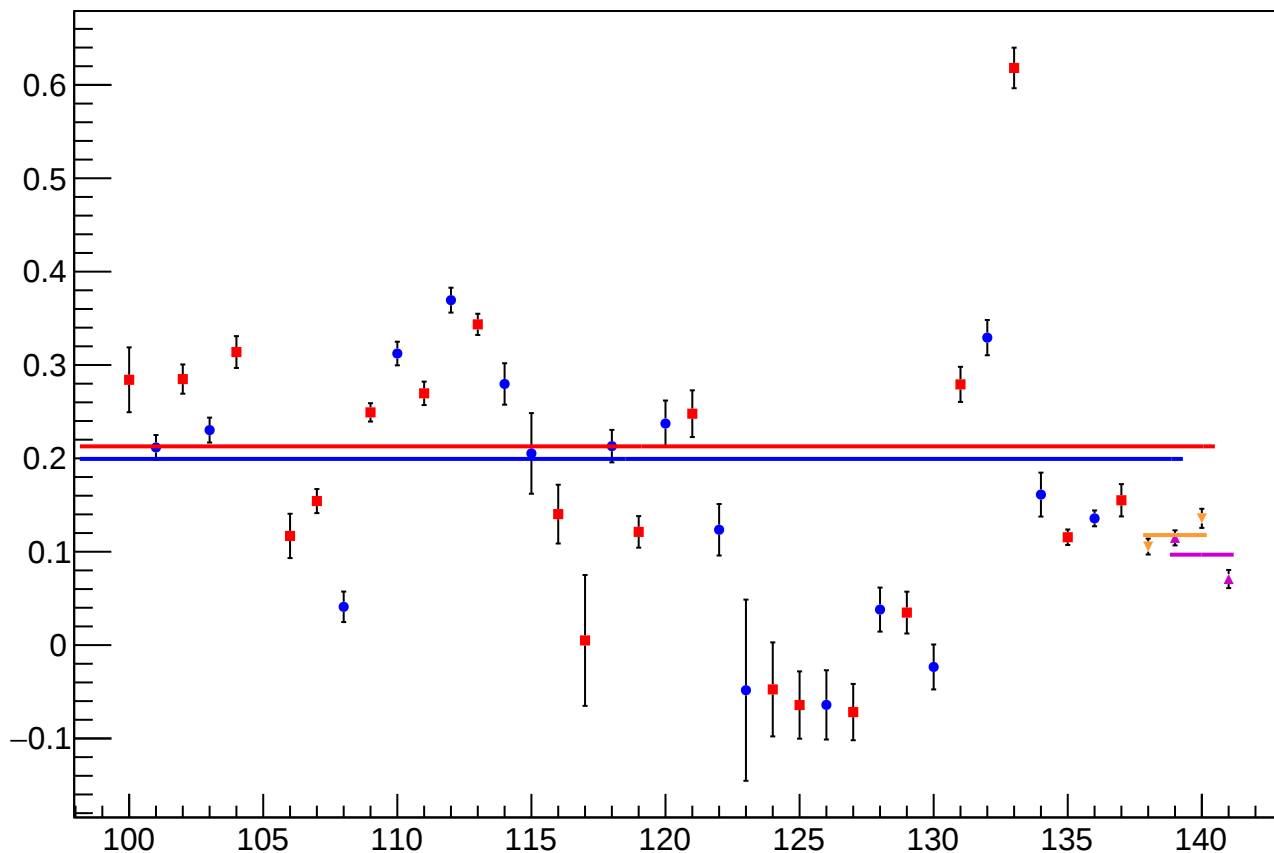
Right Out: -1.590 ± 0.065 χ^2/NDF : 1496.3/19

Left In: -0.395 ± 0.173 χ^2/NDF : 403.4/1

-1.320 ± 0.064 χ^2/NDF : 1618.7/18

-1.441 ± 0.061 χ^2/NDF : 1941.6/21

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 $\pm$ 0.004 χ^2 /NDF: 662.1/16

Left Out: 0.118 $\pm$ 0.007 χ^2 /NDF: 5.2/1

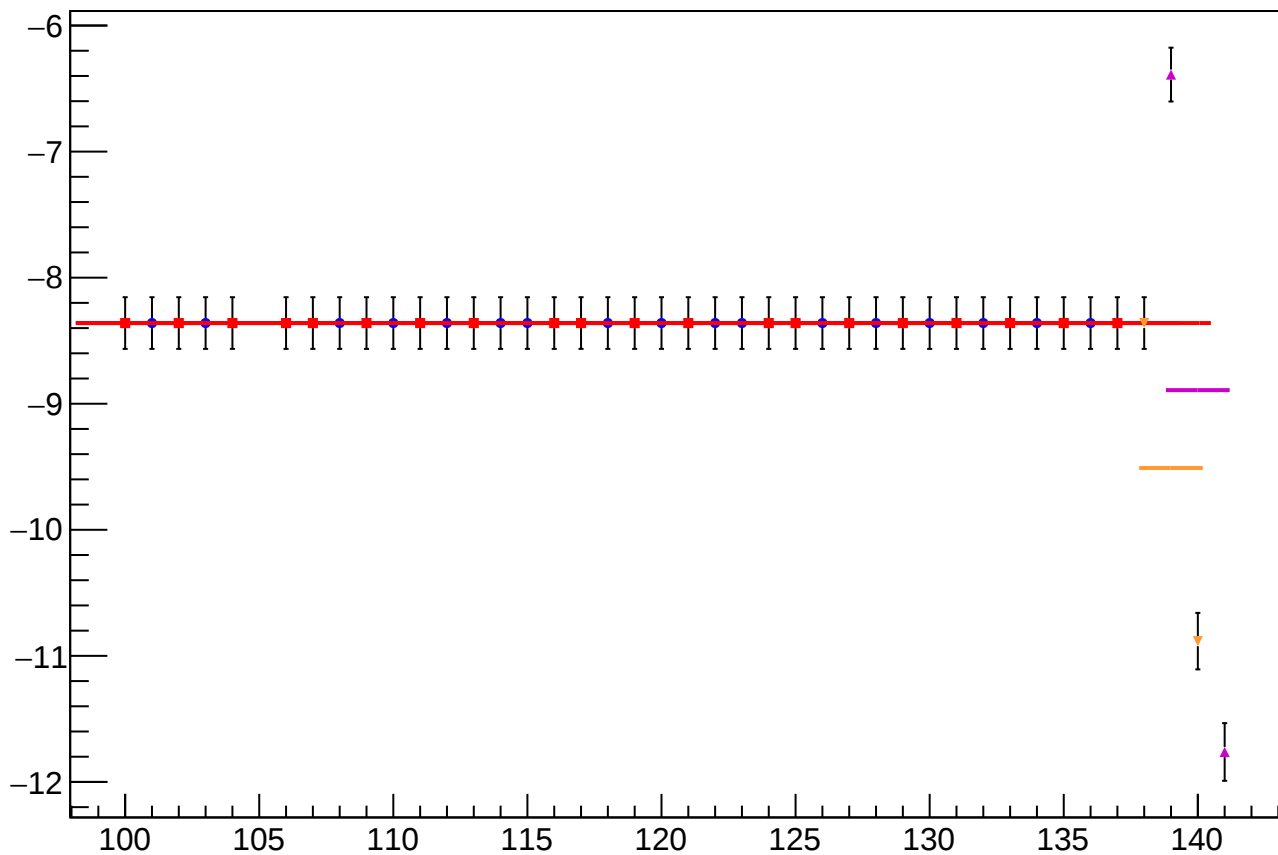
Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1057.0/19

Left In: 0.097 $\pm$ 0.006 χ^2 /NDF: 12.1/1

0.176 $\pm$ 0.003 χ^2 /NDF: 778.3/18

0.183 $\pm$ 0.003 χ^2 /NDF: 1327.2/21

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -8.360+/-0.050 χ^2/NDF : 0.0/16

Left Out: -9.510+/-0.151 χ^2/NDF :69.0/1

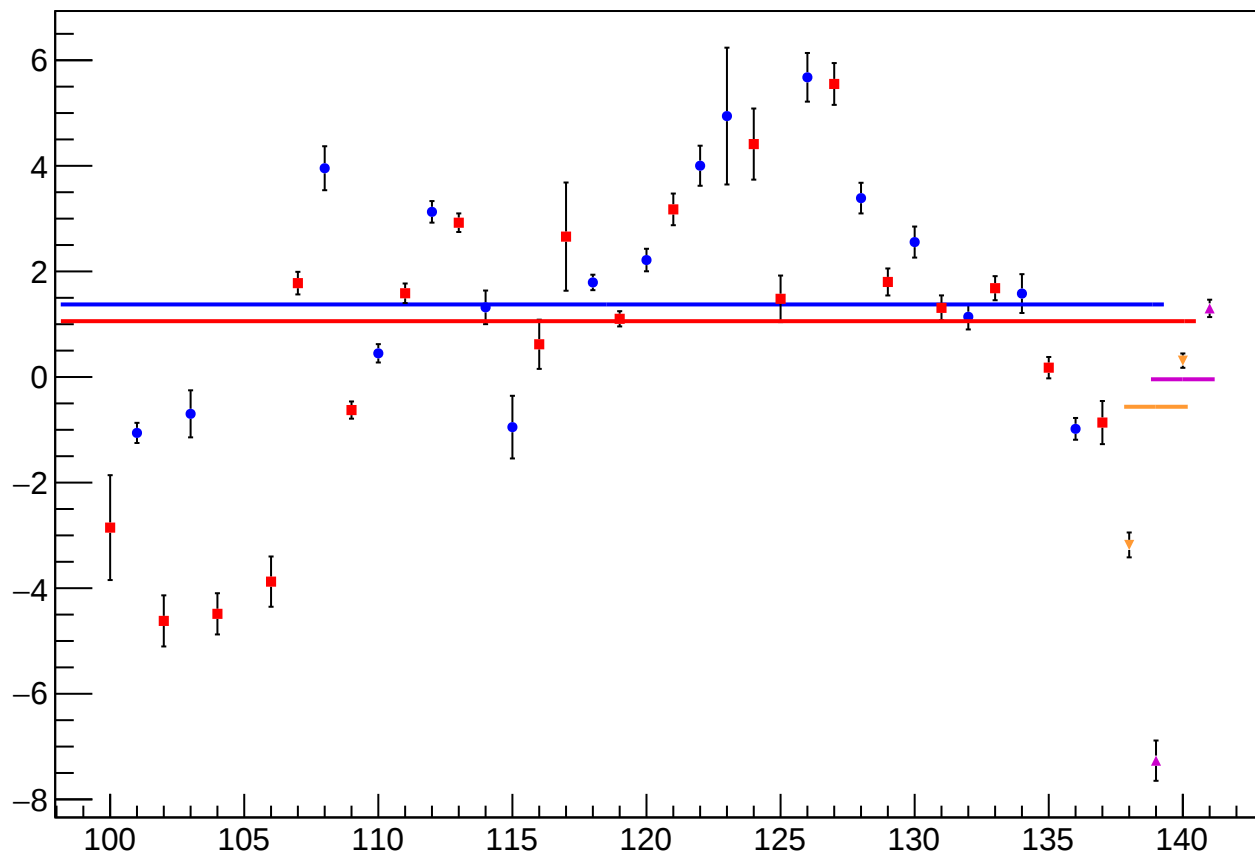
Right Out: -8.360+/-0.046 χ^2/NDF : 0.0/19

Left In: -8.892+/-0.156 χ^2/NDF :294.9/1

-8.472+/-0.047 χ^2/NDF : 121.2/18

-8.402+/-0.044 χ^2/NDF : 305.6/21

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 $\pm$ 0.062 χ^2 /NDF: 702.4/16

Left Out: -0.564 $\pm$ 0.118 χ^2 /NDF:164.6/1

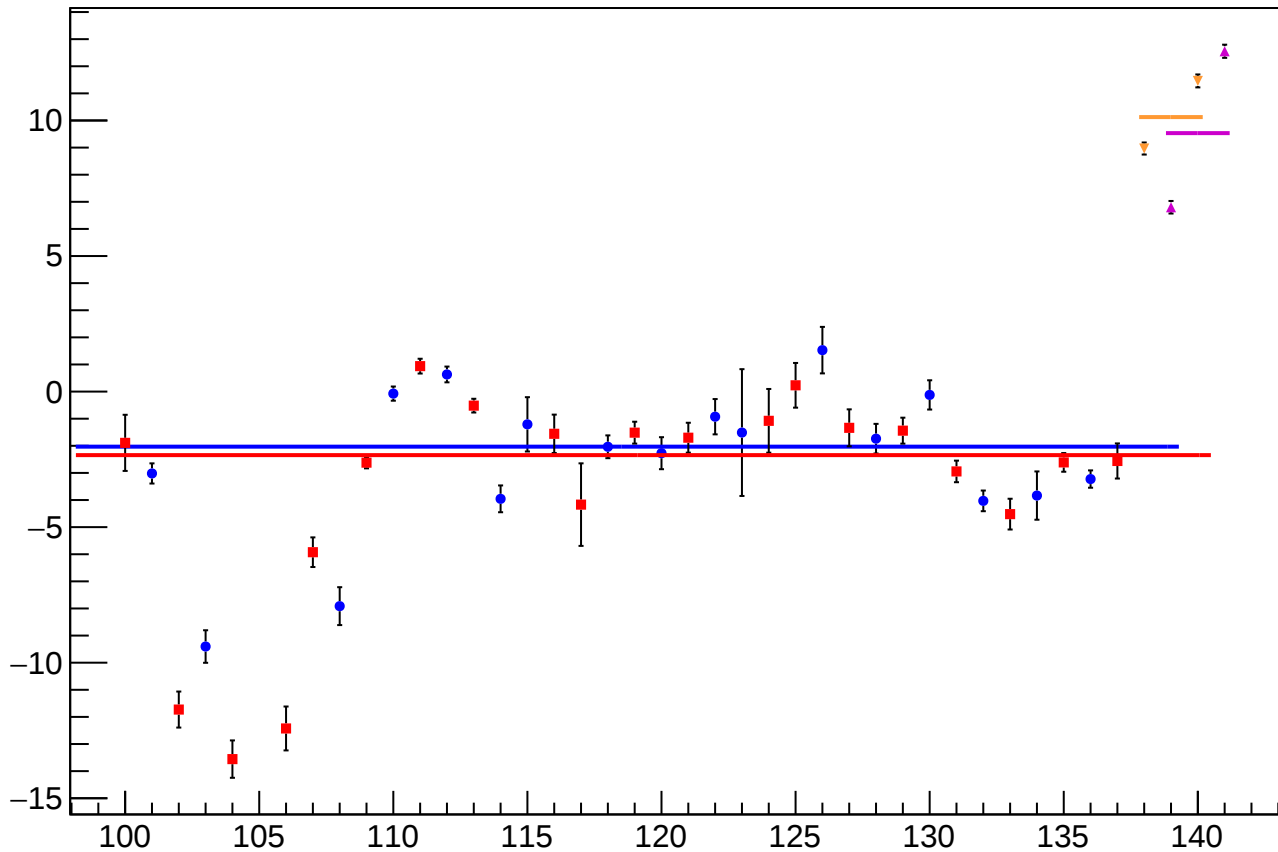
Right Out: 1.058 $\pm$ 0.058 χ^2 /NDF: 966.5/19

Left In: -0.043 $\pm$ 0.151 χ^2 /NDF:425.2/1

0.955 $\pm$ 0.055 χ^2 /NDF: 1079.0/18

0.917 $\pm$ 0.054 χ^2 /NDF: 1437.9/21

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 10.125 ± 0.163 χ^2/NDF : 58.4/1

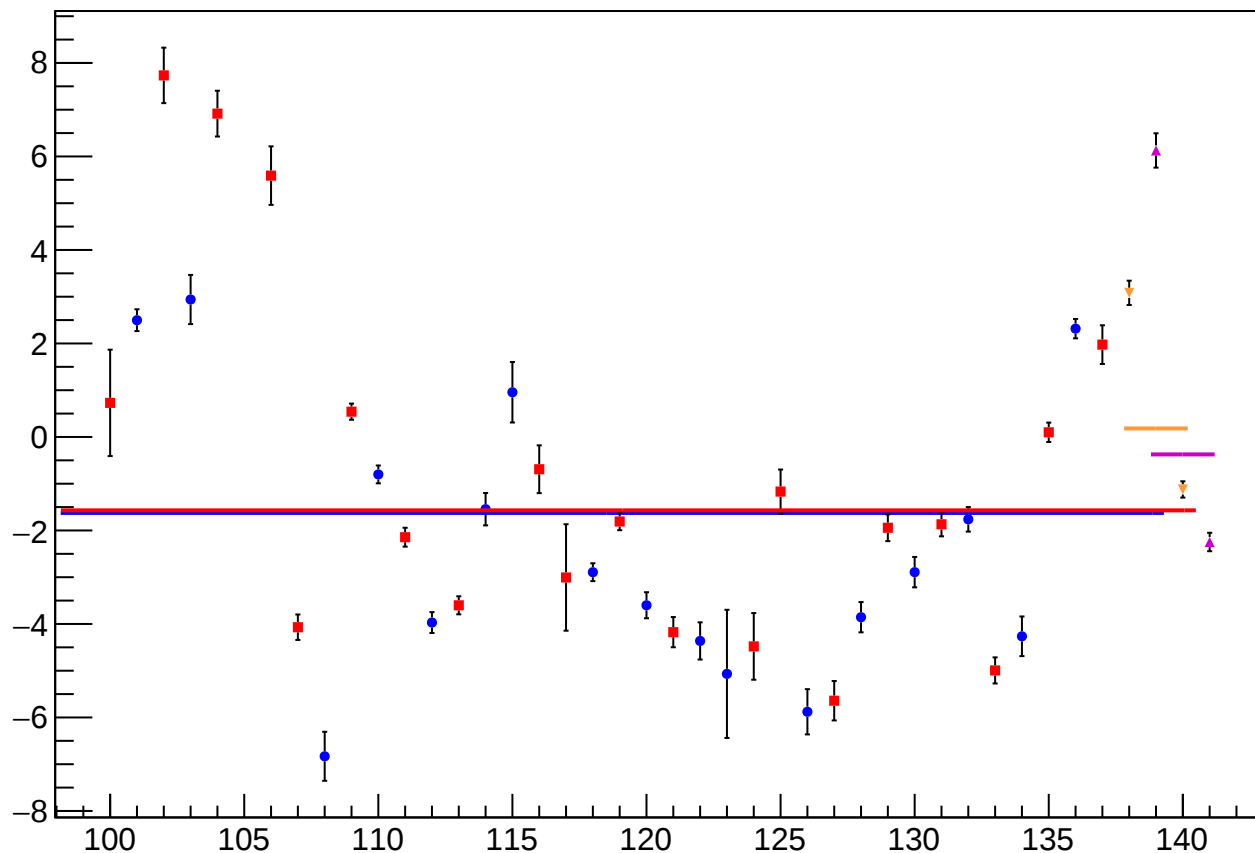
Right Out: -2.344 ± 0.099 χ^2/NDF : 903.4/19

Left In: 9.534 ± 0.168 χ^2/NDF : 293.7/1

1.841 ± 0.092 χ^2/NDF : 4321.4/18

0.714 ± 0.085 χ^2/NDF : 4923.5/21

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: 0.182 ± 0.145 χ^2/NDF : 180.6/1

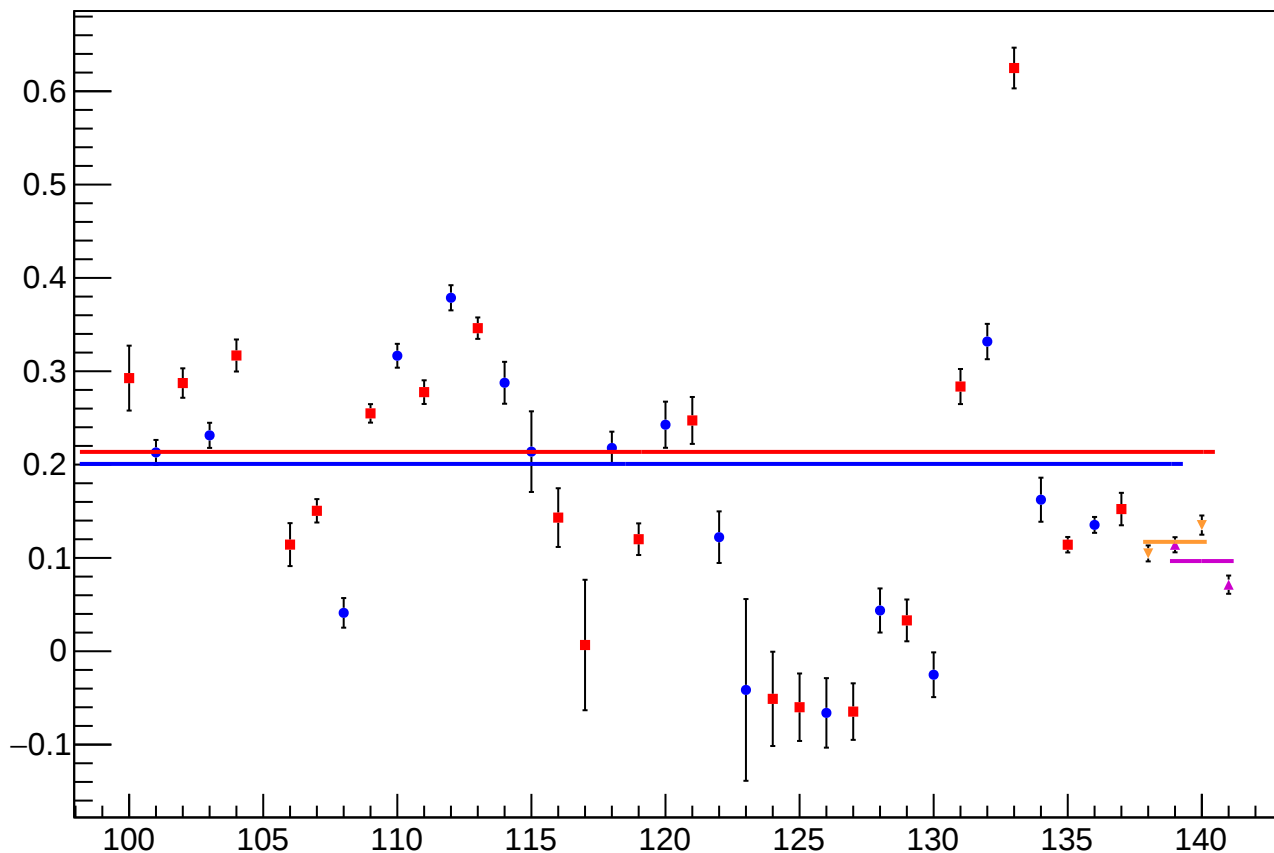
Right Out: -1.570 ± 0.065 χ^2/NDF : 1507.4/19

Left In: -0.373 ± 0.174 χ^2/NDF : 403.8/1

-1.273 ± 0.064 χ^2/NDF : 1626.8/18

-1.421 ± 0.061 χ^2/NDF : 1952.7/21

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: 0.117 $\pm$ 0.007 χ^2/NDF : 5.1/1

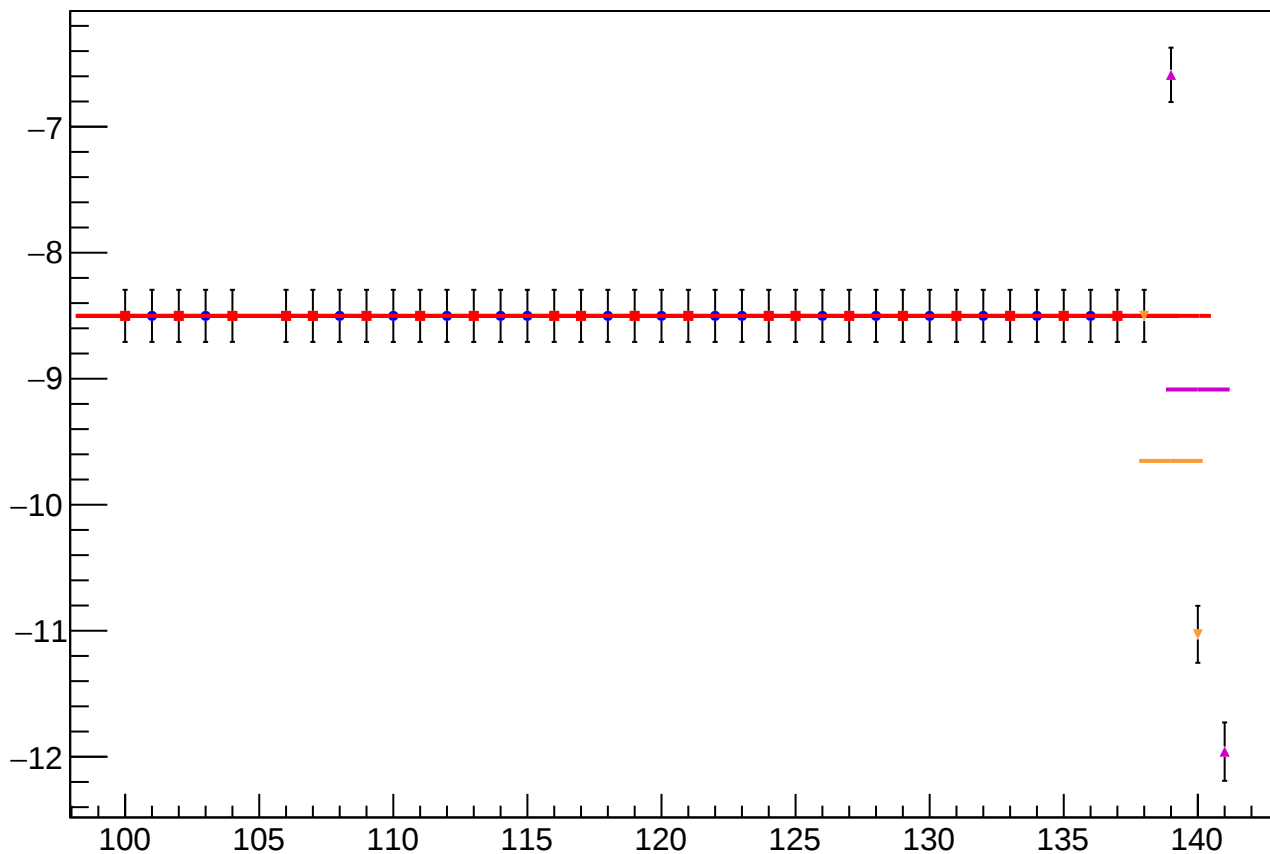
Right Out: 0.214 $\pm$ 0.004 χ^2/NDF : 1089.2/19

Left In: 0.097 $\pm$ 0.006 χ^2/NDF : 11.3/1

0.177 $\pm$ 0.004 χ^2/NDF : 811.1/18

0.183 $\pm$ 0.003 χ^2/NDF : 1361.0/21

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -8.501 $\pm$ 0.050 χ^2 /NDF: 0.0/16

Left Out: -9.652 $\pm$ 0.153 χ^2 /NDF: 68.0/1

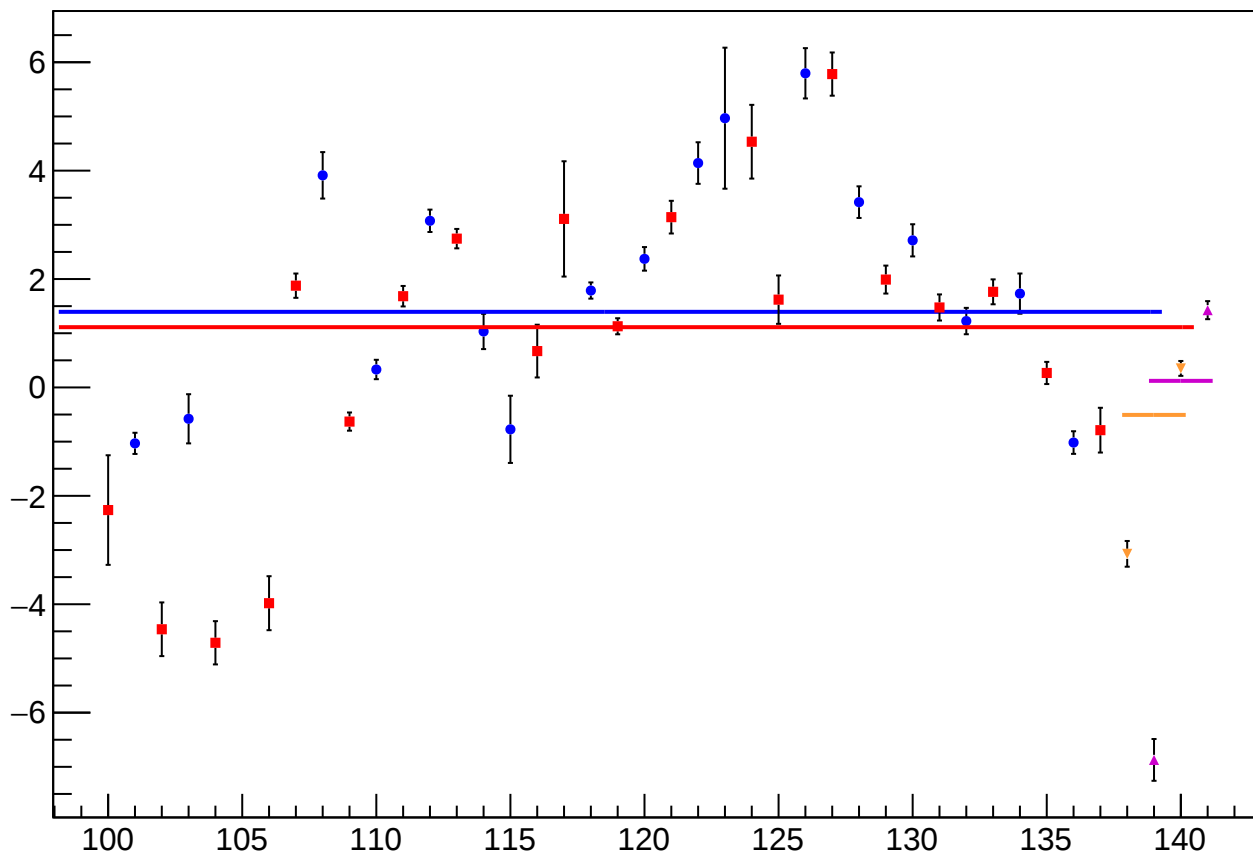
Right Out: -8.501 $\pm$ 0.046 χ^2 /NDF: 0.0/19

Left In: -9.086 $\pm$ 0.158 χ^2 /NDF: 287.9/1

-8.614 $\pm$ 0.048 χ^2 /NDF: 119.4/18

-8.547 $\pm$ 0.044 χ^2 /NDF: 300.5/21

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 $\pm$ 0.063 χ^2 /NDF: 701.4/16

Left Out: -0.507 $\pm$ 0.119 χ^2 /NDF:155.5/1

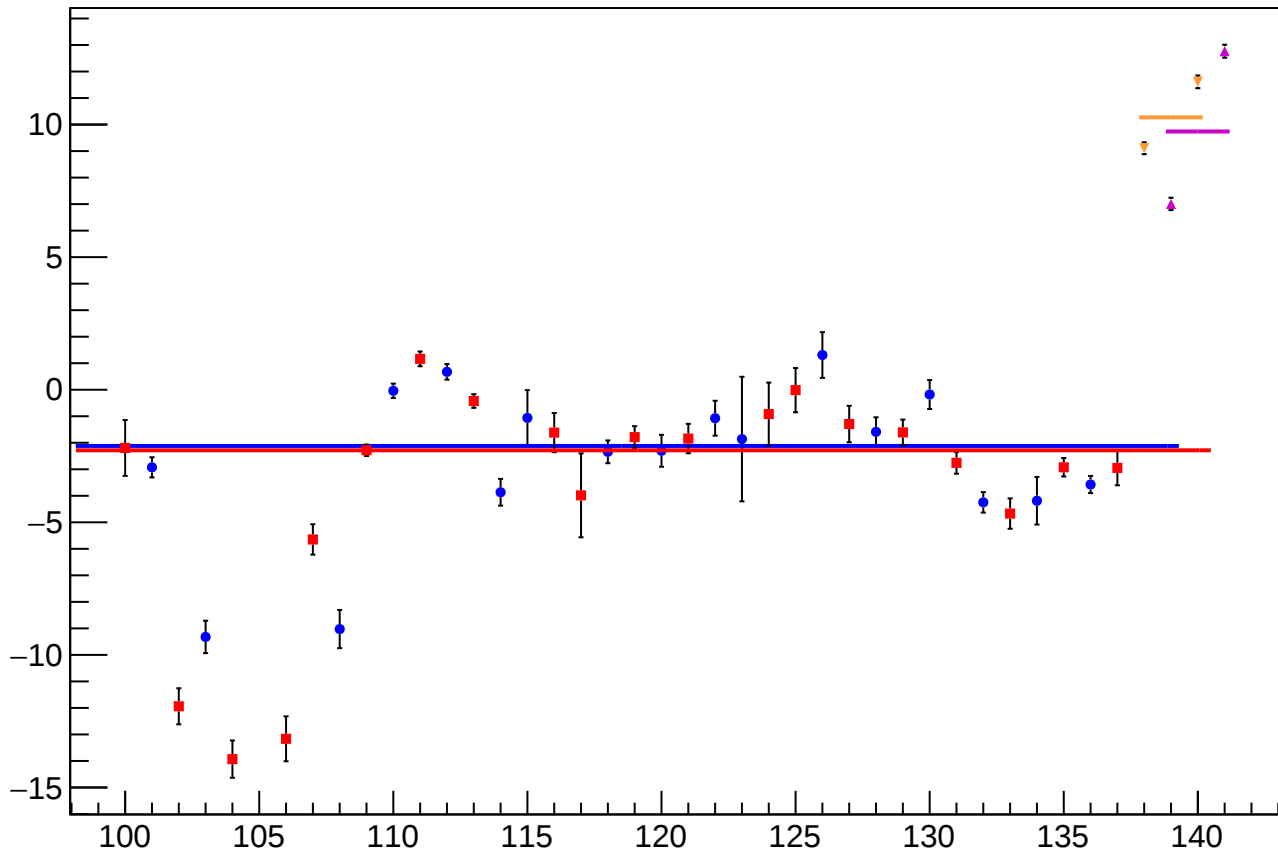
Right Out: 1.112 $\pm$ 0.059 χ^2 /NDF: 940.5/19

Left In: 0.121 $\pm$ 0.153 χ^2 /NDF:390.4/1

0.977 $\pm$ 0.056 χ^2 /NDF: 1056.5/18

0.983 $\pm$ 0.055 χ^2 /NDF: 1367.4/21

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: 10.272 ± 0.164 $\chi^2/\text{NDF}: 57.8/1$

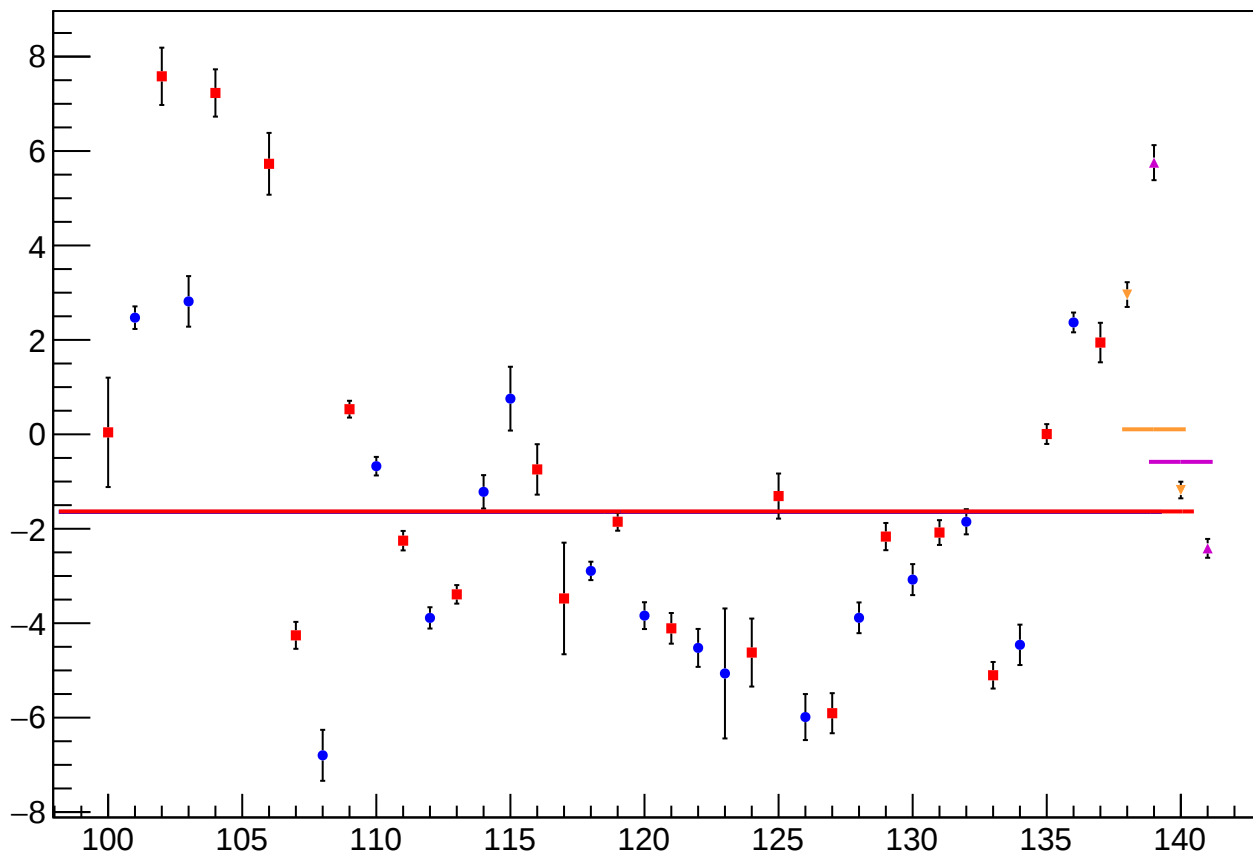
Right Out: -2.284 ± 0.101 $\chi^2/\text{NDF}: 920.6/19$

Left In: 9.739 ± 0.170 $\chi^2/\text{NDF}: 287.6/1$

1.876 ± 0.093 $\chi^2/\text{NDF}: 4400.2/18$

0.856 ± 0.087 $\chi^2/\text{NDF}: 4921.9/21$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 χ^2/NDF : 1310.1/16

Left Out: 0.106 ± 0.146 χ^2/NDF : 172.0/1

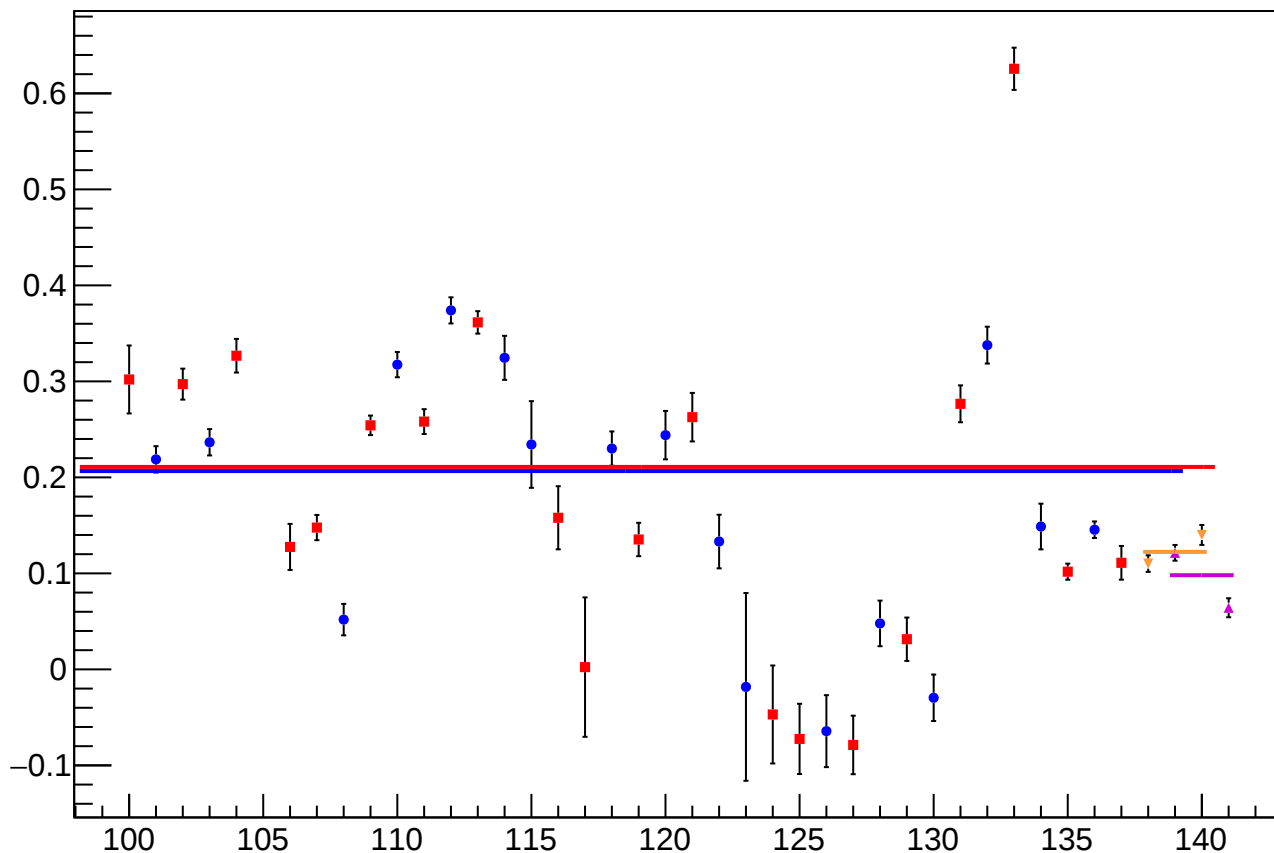
Right Out: -1.633 ± 0.067 χ^2/NDF : 1470.6/19

Left In: -0.583 ± 0.176 χ^2/NDF : 375.9/1

-1.298 ± 0.065 χ^2/NDF : 1597.2/18

-1.500 ± 0.062 χ^2/NDF : 1877.7/21

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 655.0/16

Left Out: 0.122 $\pm$ 0.007 χ^2/NDF : 4.9/1

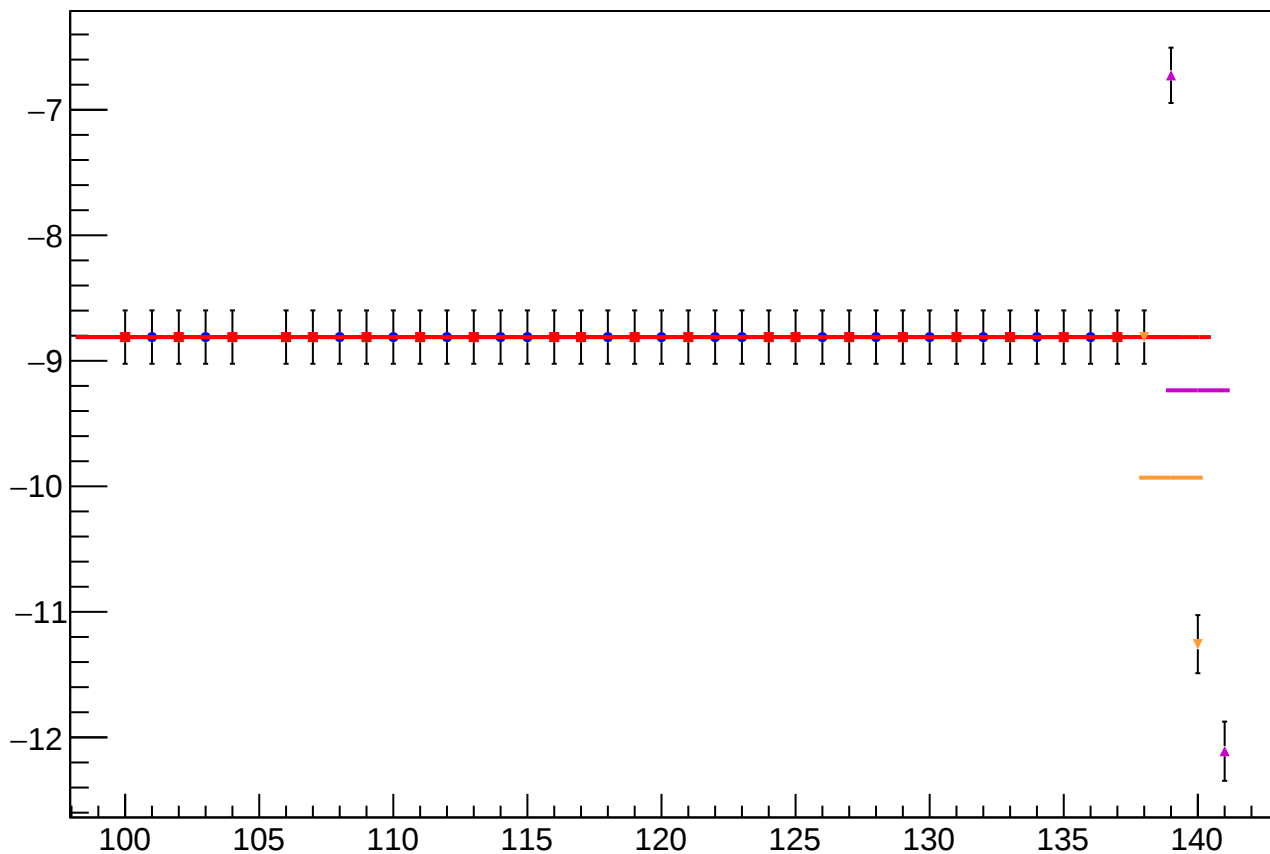
Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1153.8/19

Left In: 0.098 $\pm$ 0.006 χ^2/NDF : 19.9/1

0.182 $\pm$ 0.004 χ^2/NDF : 774.6/18

0.181 $\pm$ 0.003 χ^2/NDF : 1409.5/21

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -8.811 $\pm$ 0.052 χ^2 /NDF: 0.0/16

Left Out: -9.931 $\pm$ 0.157 χ^2 /NDF: 60.6/1

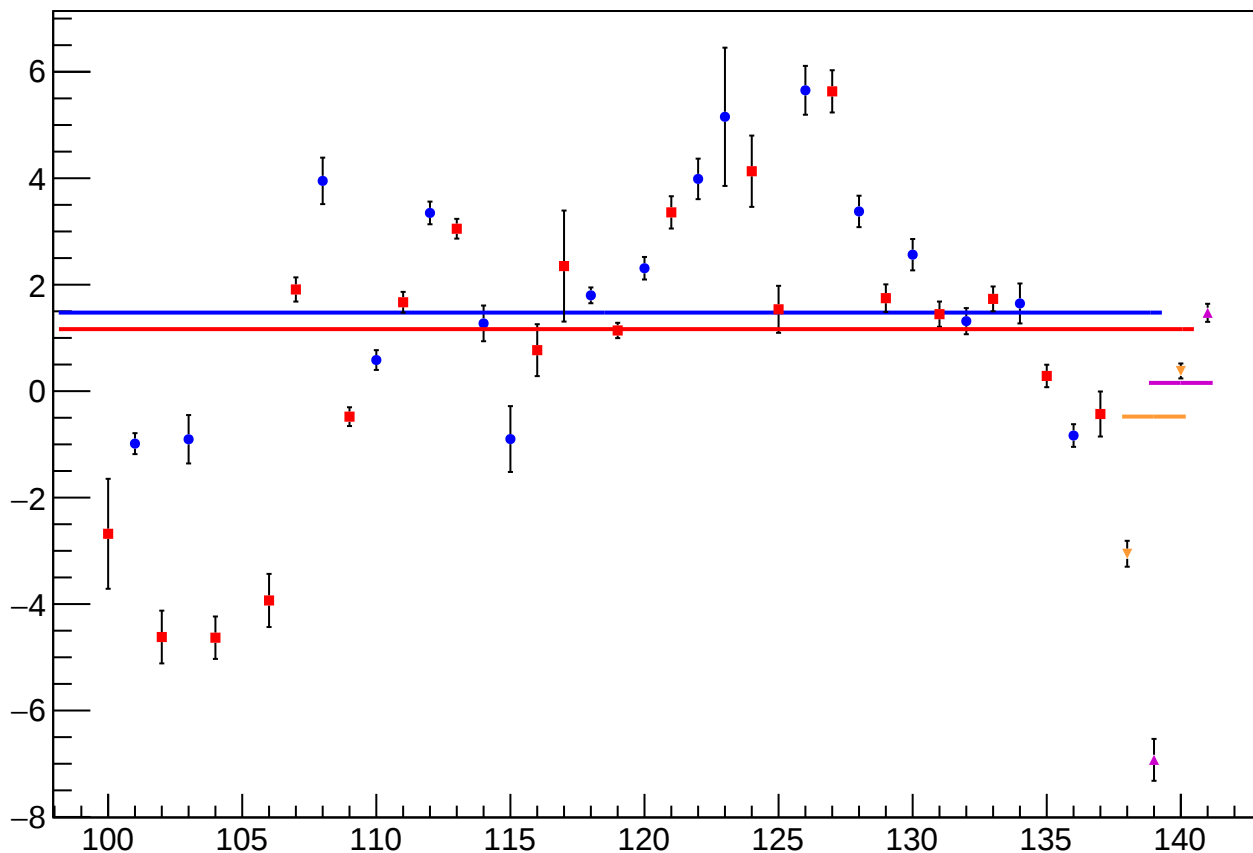
Right Out: -8.811 $\pm$ 0.048 χ^2 /NDF: 0.0/19

Left In: -9.235 $\pm$ 0.161 χ^2 /NDF: 278.2/1

-8.921 $\pm$ 0.049 χ^2 /NDF: 106.8/18

-8.845 $\pm$ 0.046 χ^2 /NDF: 284.6/21

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 $\pm$ 0.064 χ^2 /NDF: 659.7/16

Left Out: -0.478 $\pm$ 0.122 χ^2 /NDF:149.3/1

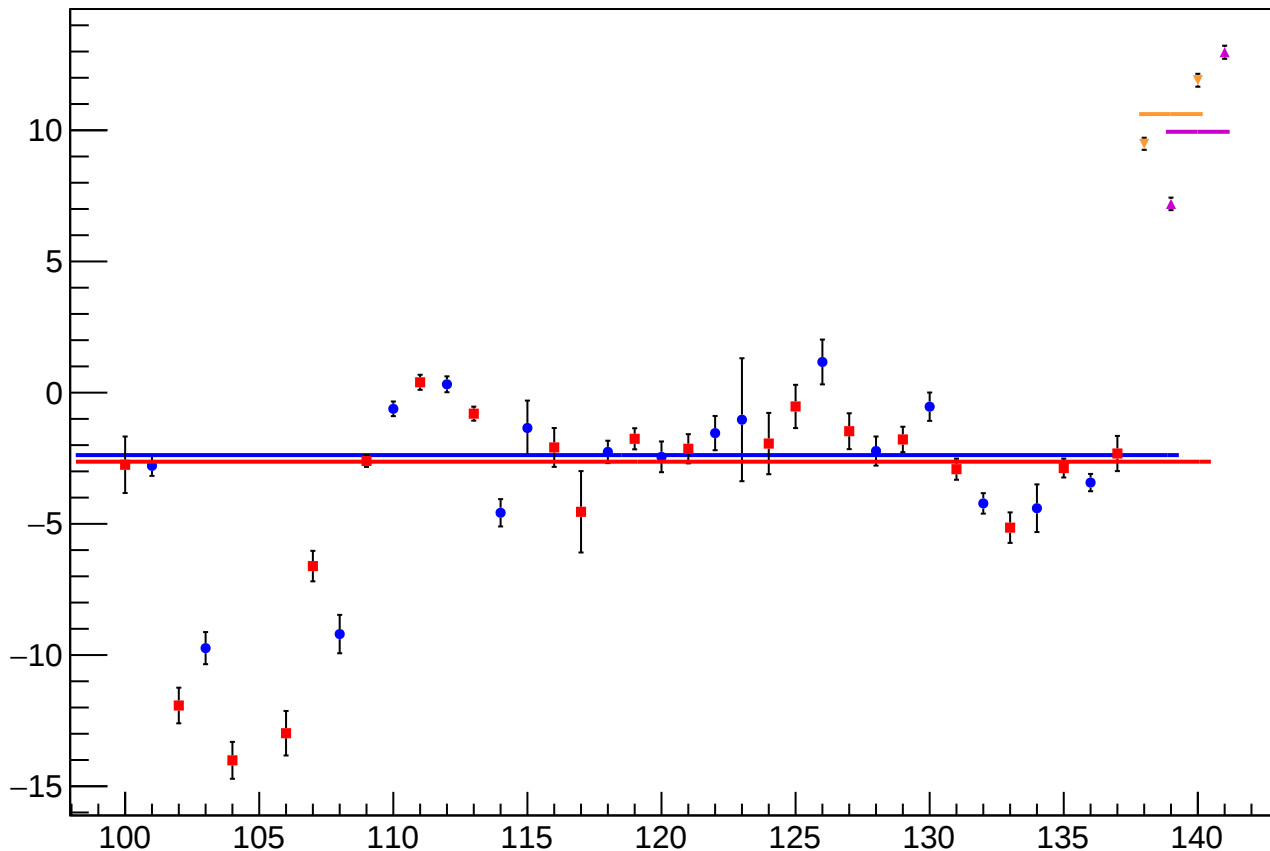
Right Out: 1.165 $\pm$ 0.060 χ^2 /NDF: 919.2/19

Left In: 0.155 $\pm$ 0.156 χ^2 /NDF:384.0/1

1.057 $\pm$ 0.056 χ^2 /NDF: 1011.4/18

1.035 $\pm$ 0.056 χ^2 /NDF: 1339.8/21

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 10.616 ± 0.168 $\chi^2/\text{NDF}: 51.4/1$

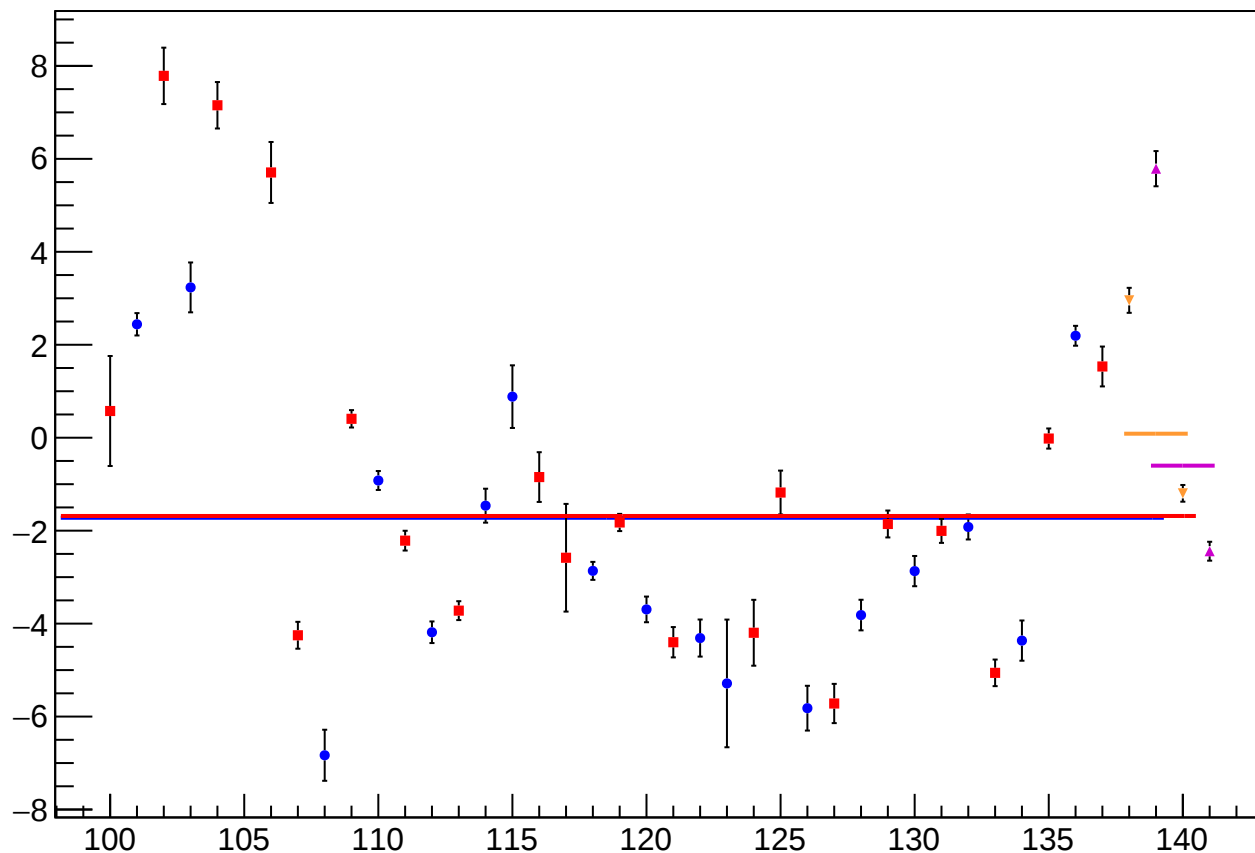
Right Out: -2.631 ± 0.103 $\chi^2/\text{NDF}: 842.8/19$

Left In: 9.942 ± 0.173 $\chi^2/\text{NDF}: 278.3/1$

1.751 ± 0.095 $\chi^2/\text{NDF}: 4547.8/18$

0.661 ± 0.089 $\chi^2/\text{NDF}: 5020.9/21$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722 ± 0.073 $\chi^2/\text{NDF}: 1247.6/16$

Left Out: 0.086 ± 0.149 $\chi^2/\text{NDF}: 164.7/1$

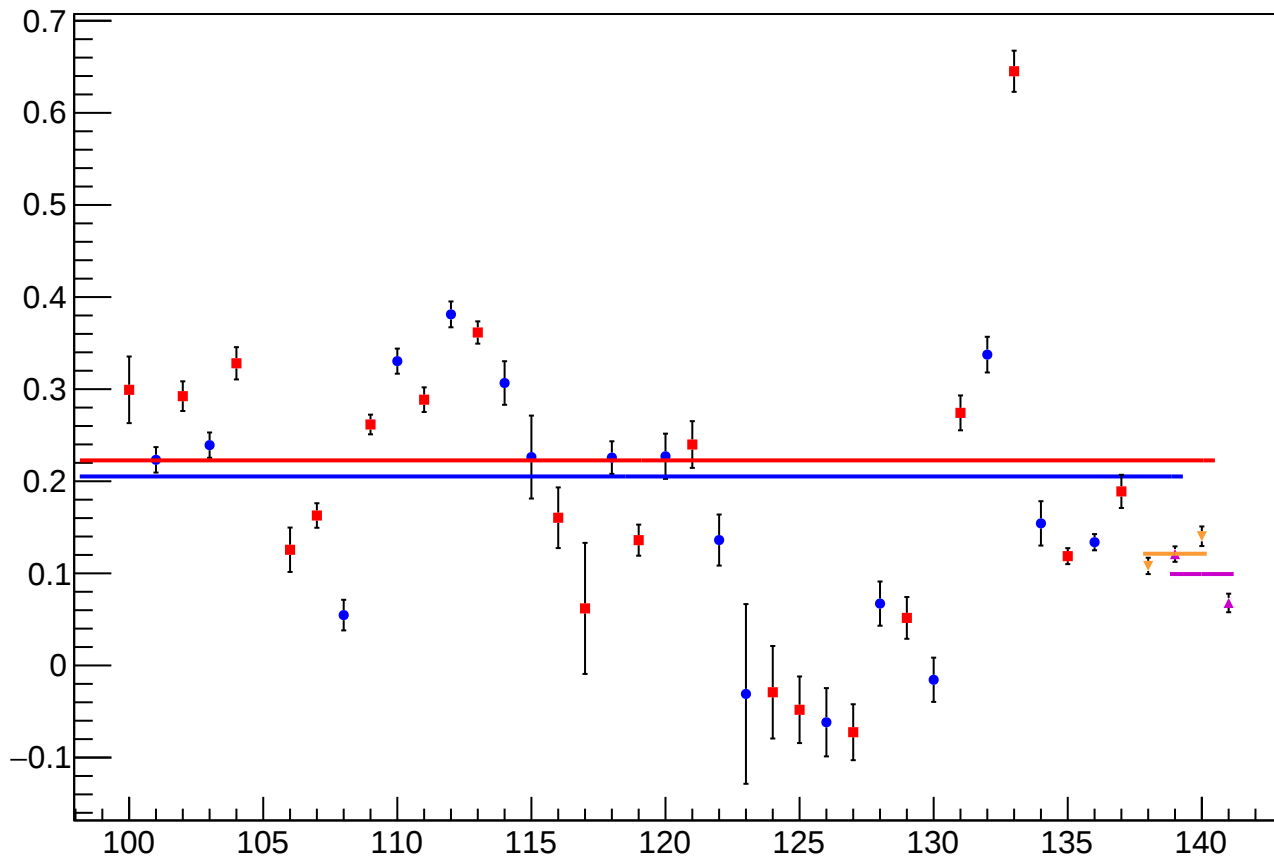
Right Out: -1.684 ± 0.068 $\chi^2/\text{NDF}: 1431.6/19$

Left In: -0.601 ± 0.179 $\chi^2/\text{NDF}: 366.5/1$

-1.373 ± 0.066 $\chi^2/\text{NDF}: 1530.4/18$

-1.548 ± 0.063 $\chi^2/\text{NDF}: 1830.1/21$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205+/-0.004 χ^2/NDF : 650.7/16

Left Out: 0.121+/-0.007 χ^2/NDF : 5.4/1

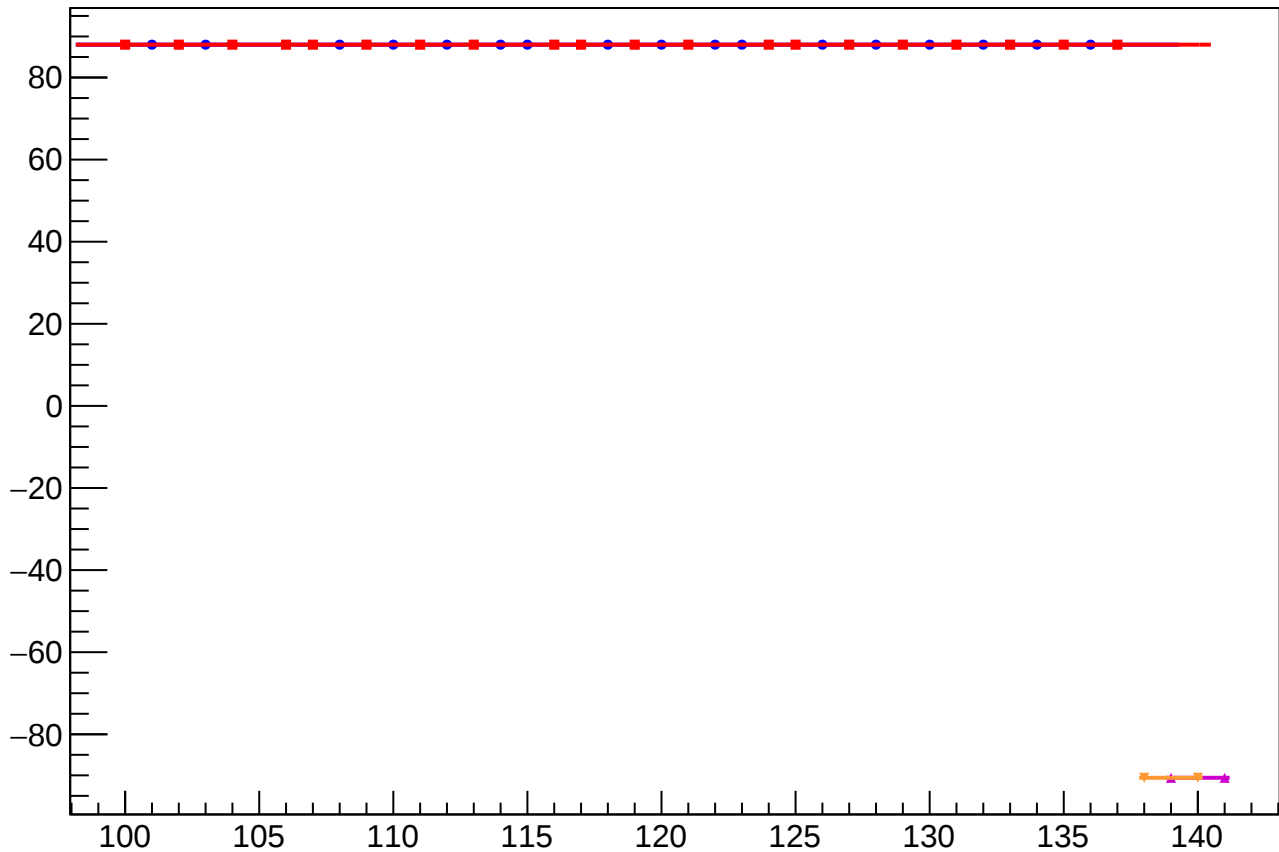
Right Out: 0.223+/-0.004 χ^2/NDF : 1045.6/19

Left In: 0.099+/-0.006 χ^2/NDF : 16.4/1

0.182+/-0.004 χ^2/NDF : 764.8/18

0.190+/-0.003 χ^2/NDF : 1333.3/21

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 809207.2/16

Left Out: -90.599+/-0.000 χ^2/NDF :15752.0/1

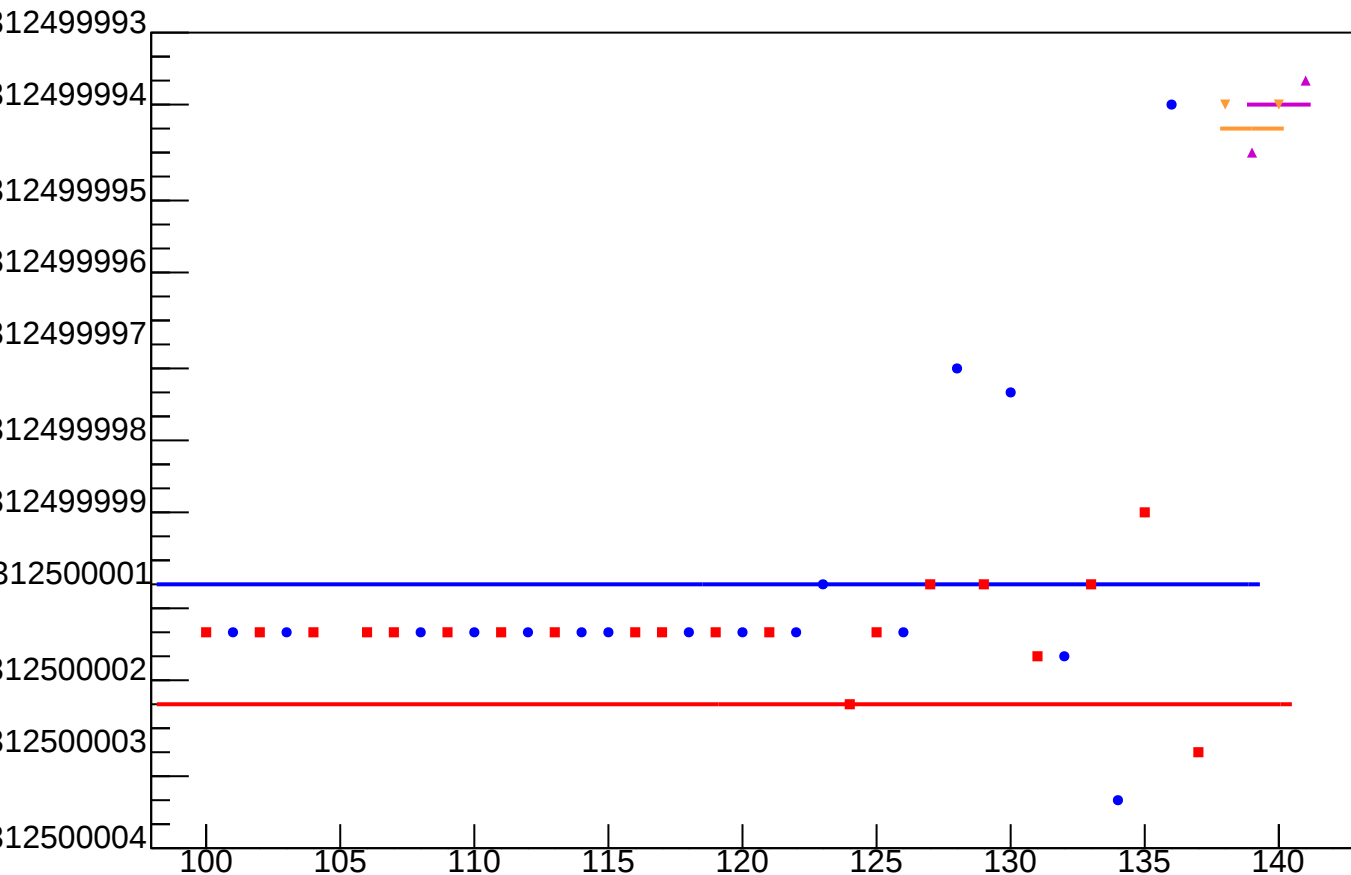
Right Out: 88.001+/-0.000 χ^2/NDF : 224768.6/19

Left In: -90.599+/-0.000 χ^2/NDF :214267.2/1

54.841+/-0.000 χ^2/NDF : 410415420944770663

56.692+/-0.000 χ^2/NDF : 418267715404630392

HWlenAngle_mean vs Slug



Right In: -29.641+/-0.000 χ^2/NDF : 590181.6/16

Left Out: -29.641+/-0.000 χ^2/NDF :1994.2/1

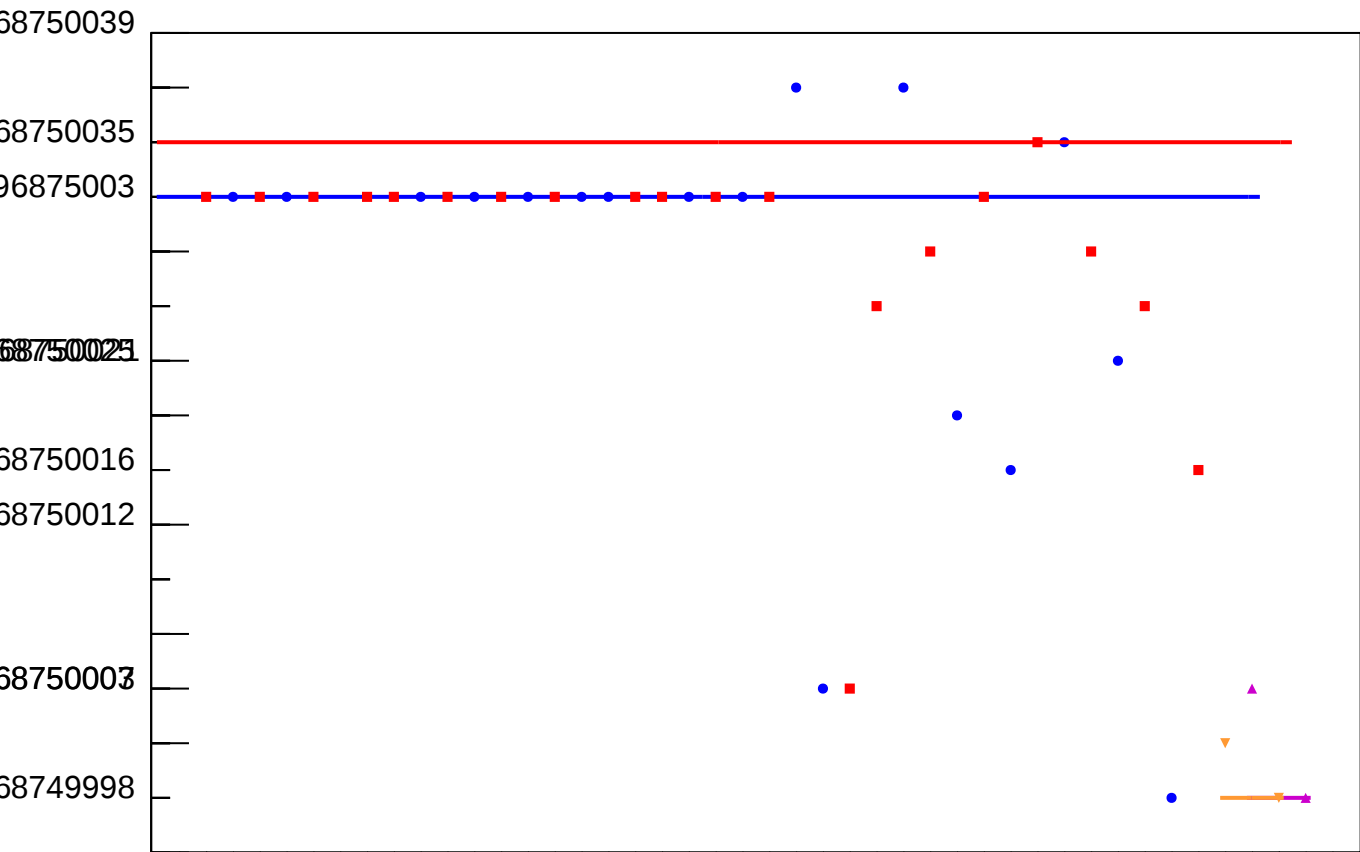
Right Out: -29.641+/-0.000 χ^2/NDF : 138258.9/19

Left In: -29.641+/-0.000 χ^2/NDF :4808.9/1

-29.641+/-0.000 χ^2/NDF : 1132021.7/18

-29.641+/-0.000 χ^2/NDF : 970500.9/21

psub_pl_pos_mean vs Slug



6874994

Right In: 1467.979+/-0.000 χ^2/NDF : 709203977.7/16

Left Out: 1467.979+/-0.000 χ^2/NDF : 4032505.5/1

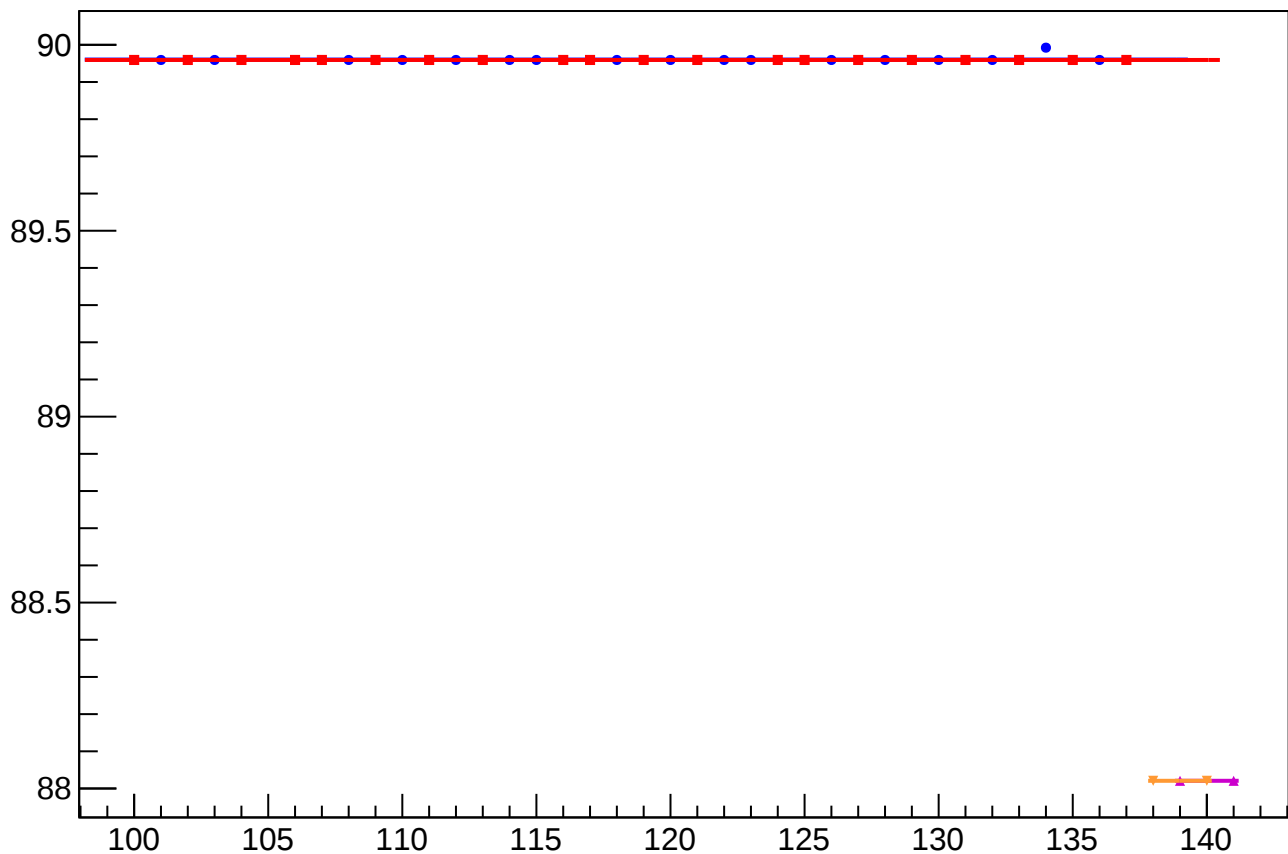
Right Out: 1467.979+/-0.000 χ^2/NDF : 189579456.6/19

Left In: 1467.979+/-0.000 χ^2/NDF : 15302841.3/1

1467.979+/-0.000 χ^2/NDF : 1167668832.2/18

1467.979+/-0.000 χ^2/NDF : 947948982.0/21

Phi_FG_mean vs Slug



Right In: 89.960 $\pm$ 0.000 χ^2 /NDF: 22241994025452511954976374784.0/16

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 0.0/1

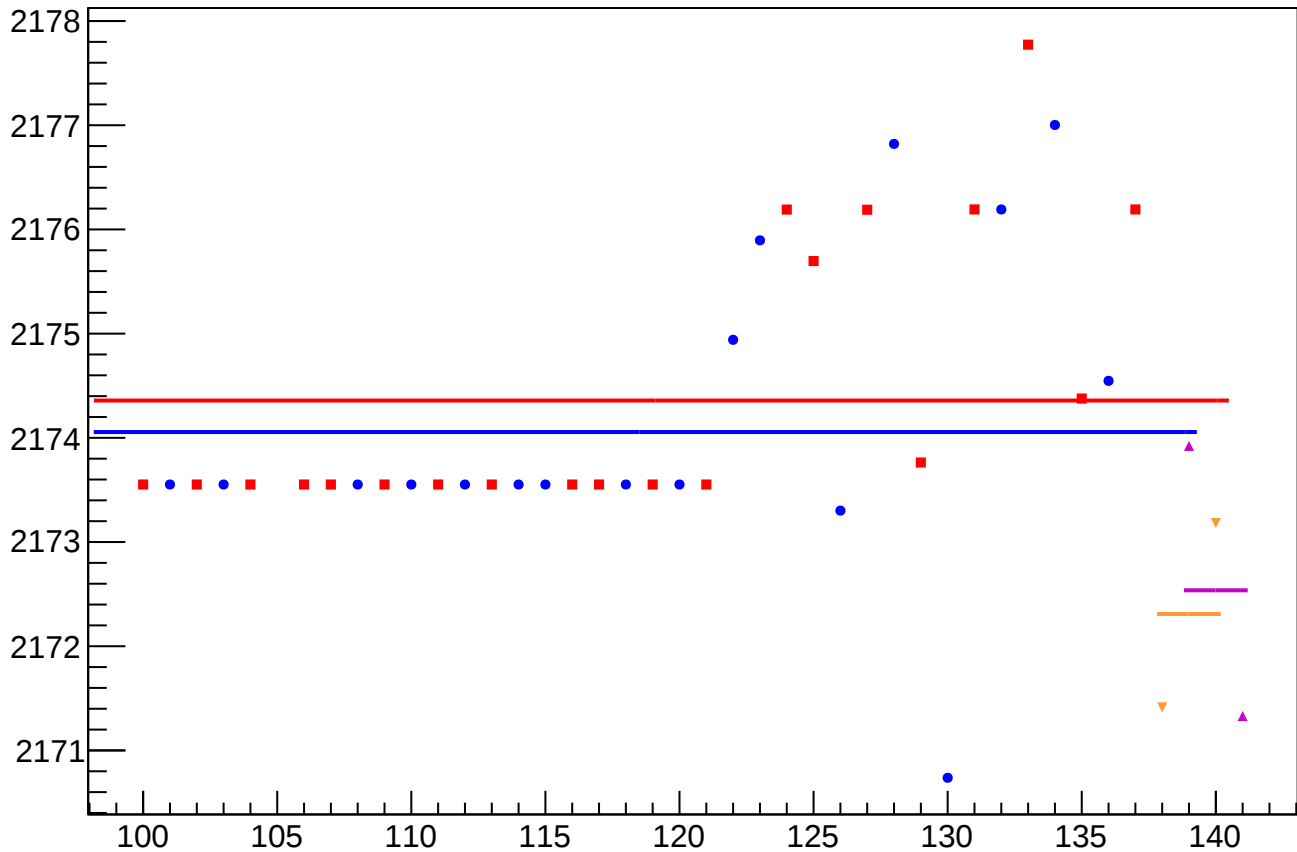
Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 965111.4/19

Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 128439.2/1

89.600 $\pm$ 0.000 χ^2 /NDF: 484064166896443350

89.619 $\pm$ 0.000 χ^2 /NDF: 492793591695393390

HALLA_p_mean vs Slug



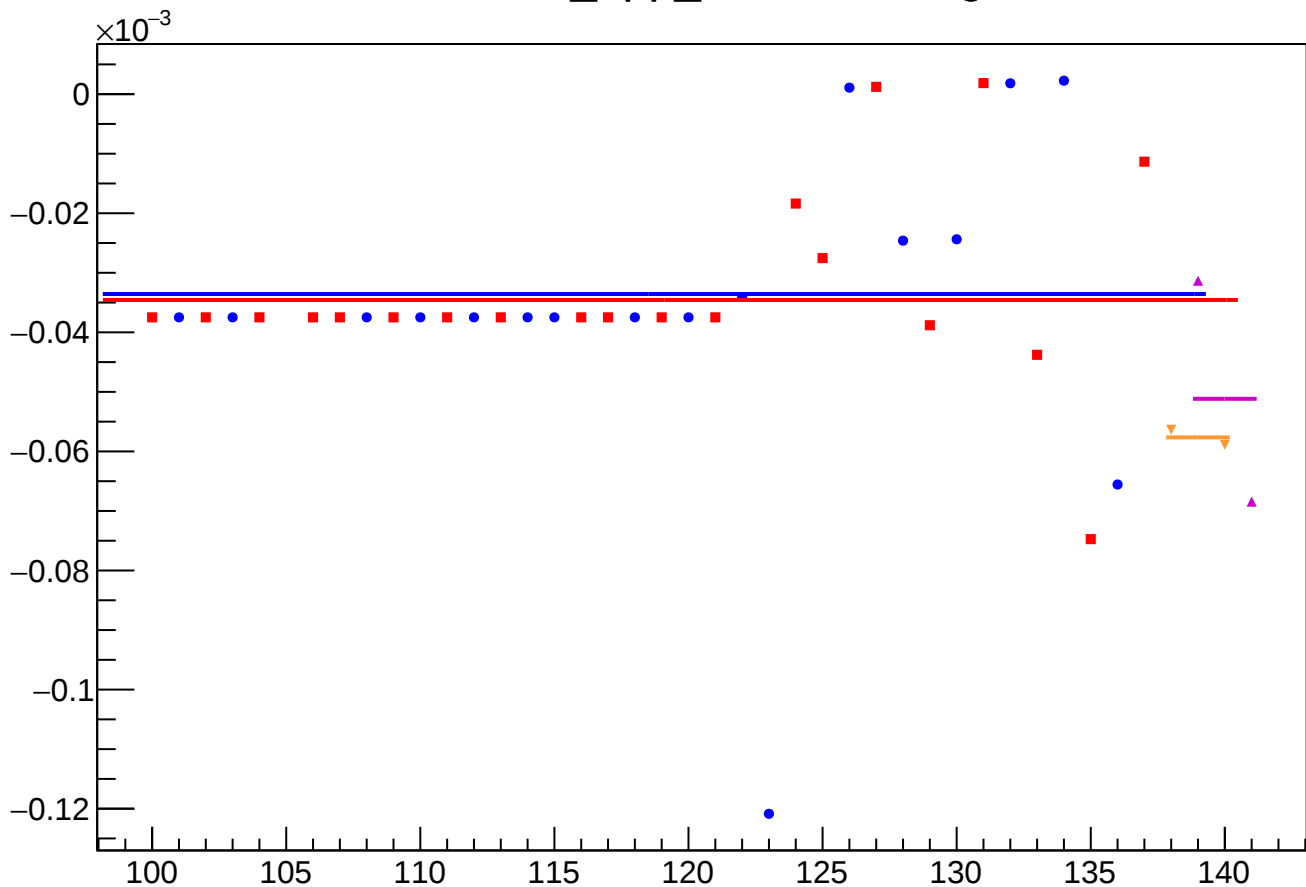
Right In: 2174.056 ± 0.000 χ^2/NDF : 1540627337710283644302236183429120.0/16

Left Out: 2172.309 ± 0.000 χ^2/NDF : 123694258388715946279495964557312.0/1

Right Out: 2174.358 ± 0.000 χ^2/NDF : 1264231113010335742320671948013568.0/19

Left In: 2172.537 ± 0.000 χ^2/NDF : 265867658370056766614888102494208.0/1

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 261082170040518671597568.0/16

Left Out: -0.000+/-0.000 χ^2/NDF : 253460601266812551168.0/1

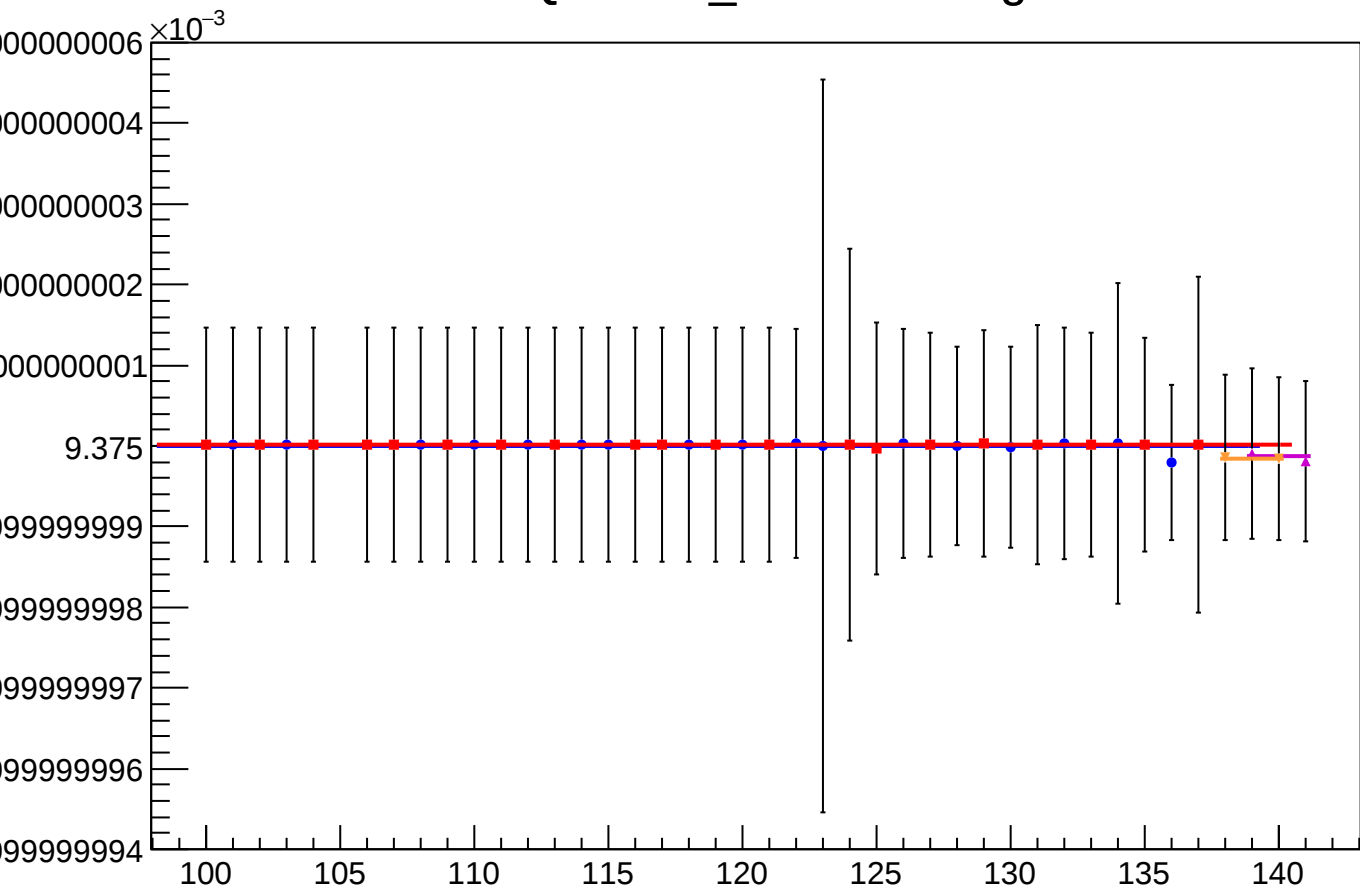
Right Out: -0.000+/-0.000 χ^2/NDF : 205320369613969110859776.0/19

Left In: -0.000+/-0.000 χ^2/NDF : 54439379727702632169472.0/1

χ^2/NDF : 335938054792503848

χ^2/NDF : 295890396115800017

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/1

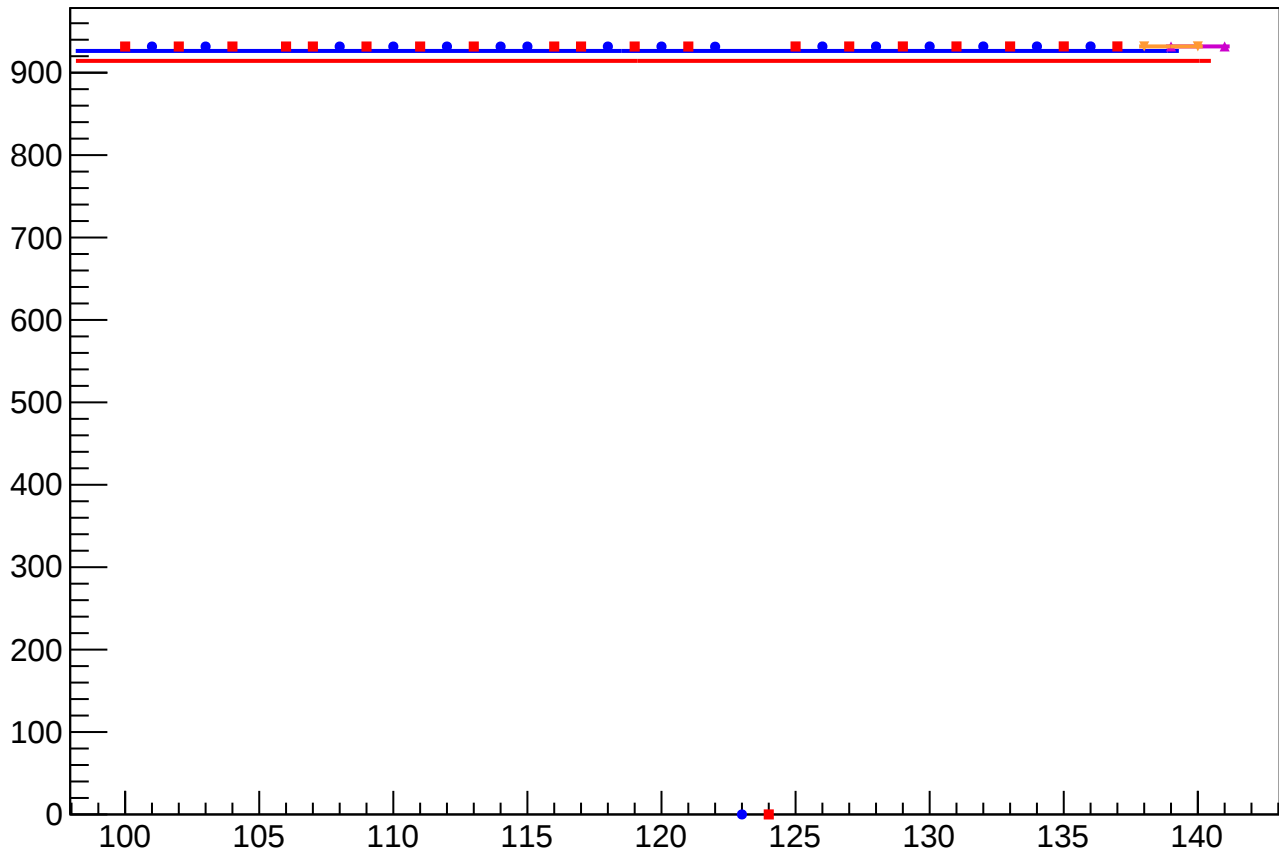
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/1

0.009+/-0.000 χ^2/NDF : 0.1/18

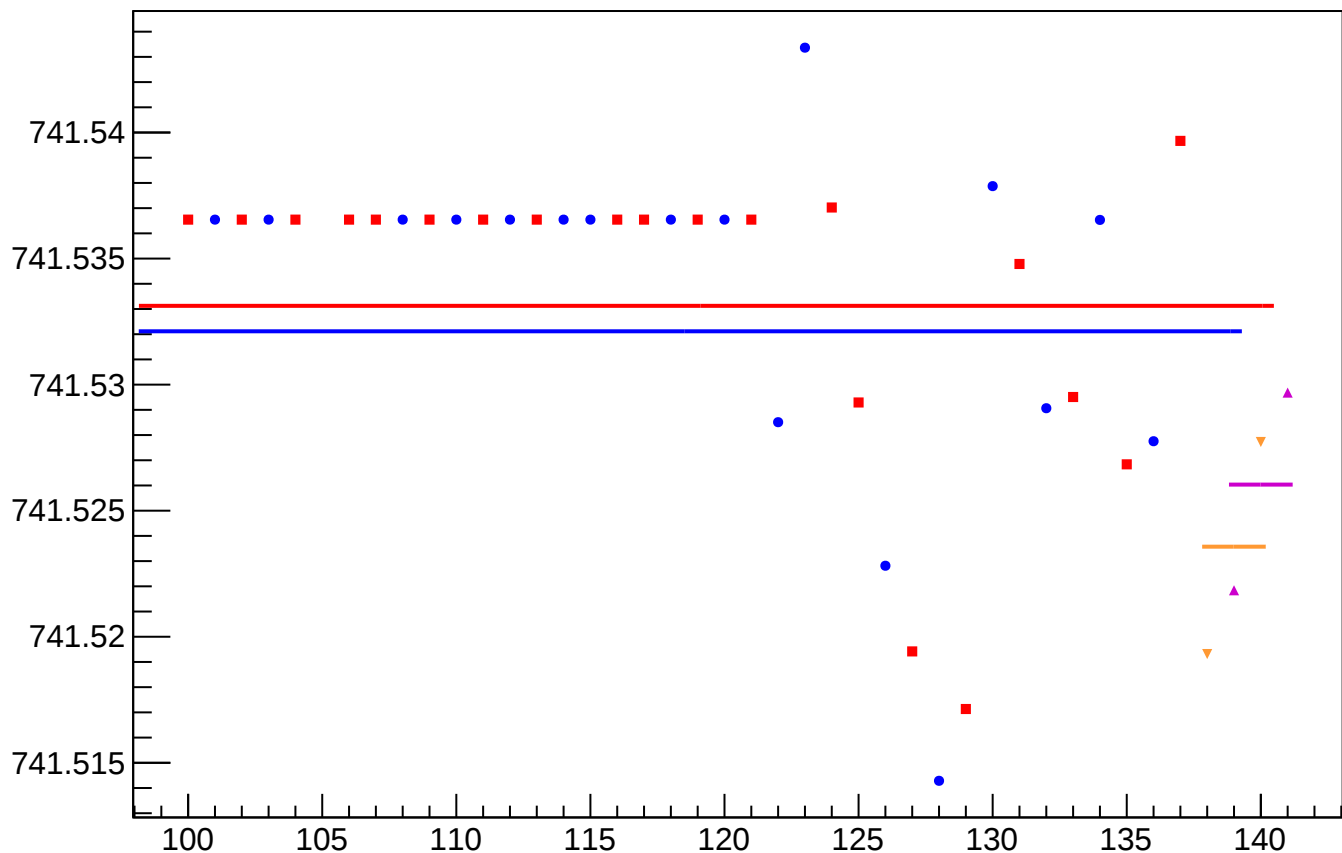
0.009+/-0.000 χ^2/NDF : 0.0/21

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 926.386 $\pm$ 0.000 χ^2 /NDF: 3452467754227541020877770418970165248.0/16
Left Out: 931.871 $\pm$ 0.000 χ^2 /NDF: 11335493483859909806800240640.0/1
Right Out: 914.329 $\pm$ 0.000 χ^2 /NDF: 11926383090568783667643627436949635072.0/19
Left In: 931.871 $\pm$ 0.000 χ^2 /NDF: 2066387124984684260007870464.0/1

HacL_D1_HP3458A_IOUT_mean vs Slug



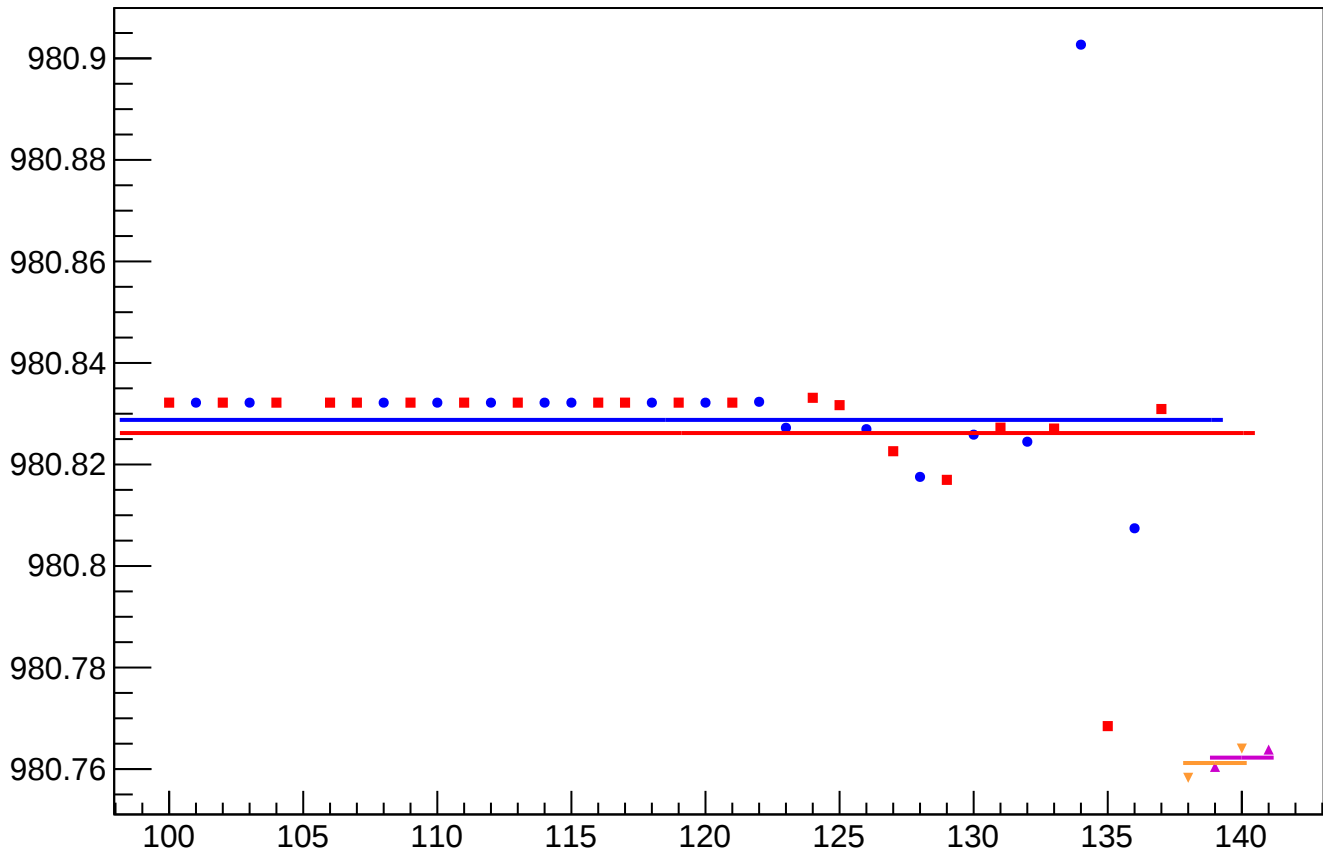
Right In: 741.532+/-0.000 χ^2/NDF : 32849351469491643197637525504.0/16

Left Out: 741.524+/-0.000 χ^2/NDF : 2794110712334600430591934464.0/1

Right Out: 741.533+/-0.000 χ^2/NDF : 28343010063633014145849229312.0/19

Left In: 741.526+/-0.000 χ^2/NDF : 2432051909991423801261293568.0/1

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.829+/-0.000 χ^2/NDF : 167564898661061940746253238272.0/16

Left Out: 980.761+/-0.000 χ^2/NDF : 1307562141632669938891096064.0/1

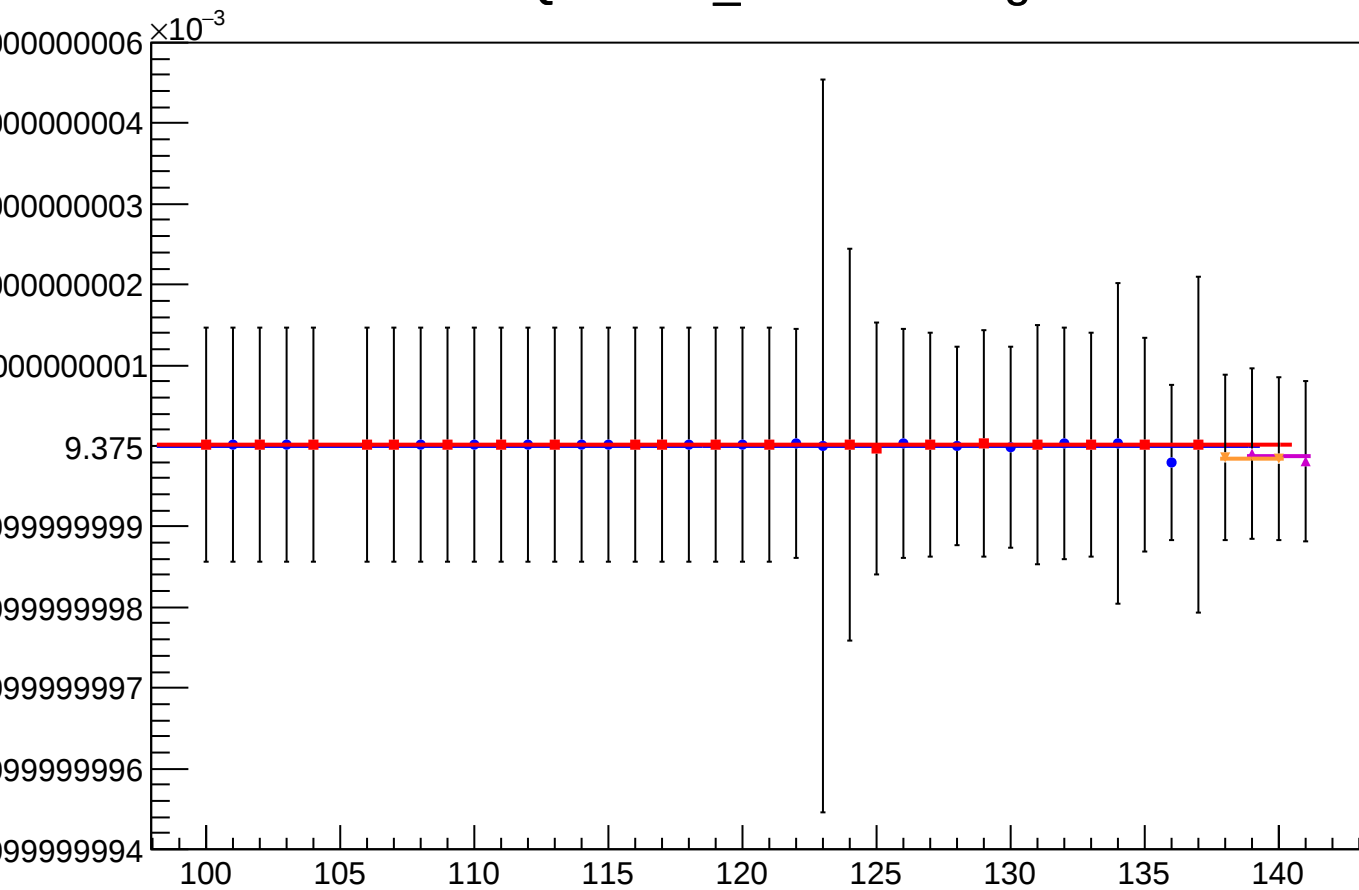
Right Out: 980.826+/-0.000 χ^2/NDF : 179755692387407514348787073024.0/19

Left In: 980.762+/-0.000 χ^2/NDF : 460679706103040240823304192.0/1

980.816+/-0.000 χ^2/NDF : 756644446630427443

980.815+/-0.000 χ^2/NDF : 71633506816411089

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/1

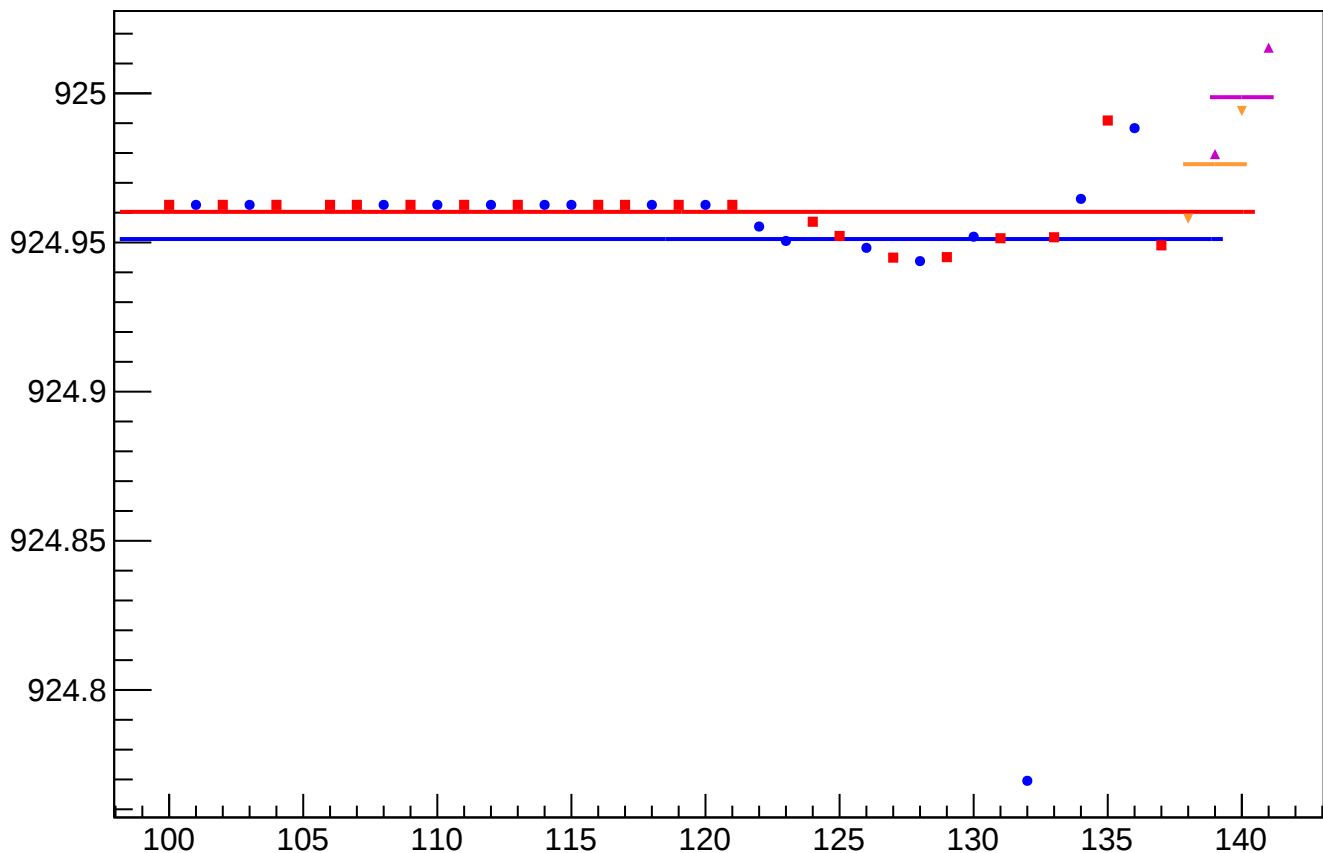
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/1

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/21

HacR_Q2_HP3458A_IOUT_mean vs Slug



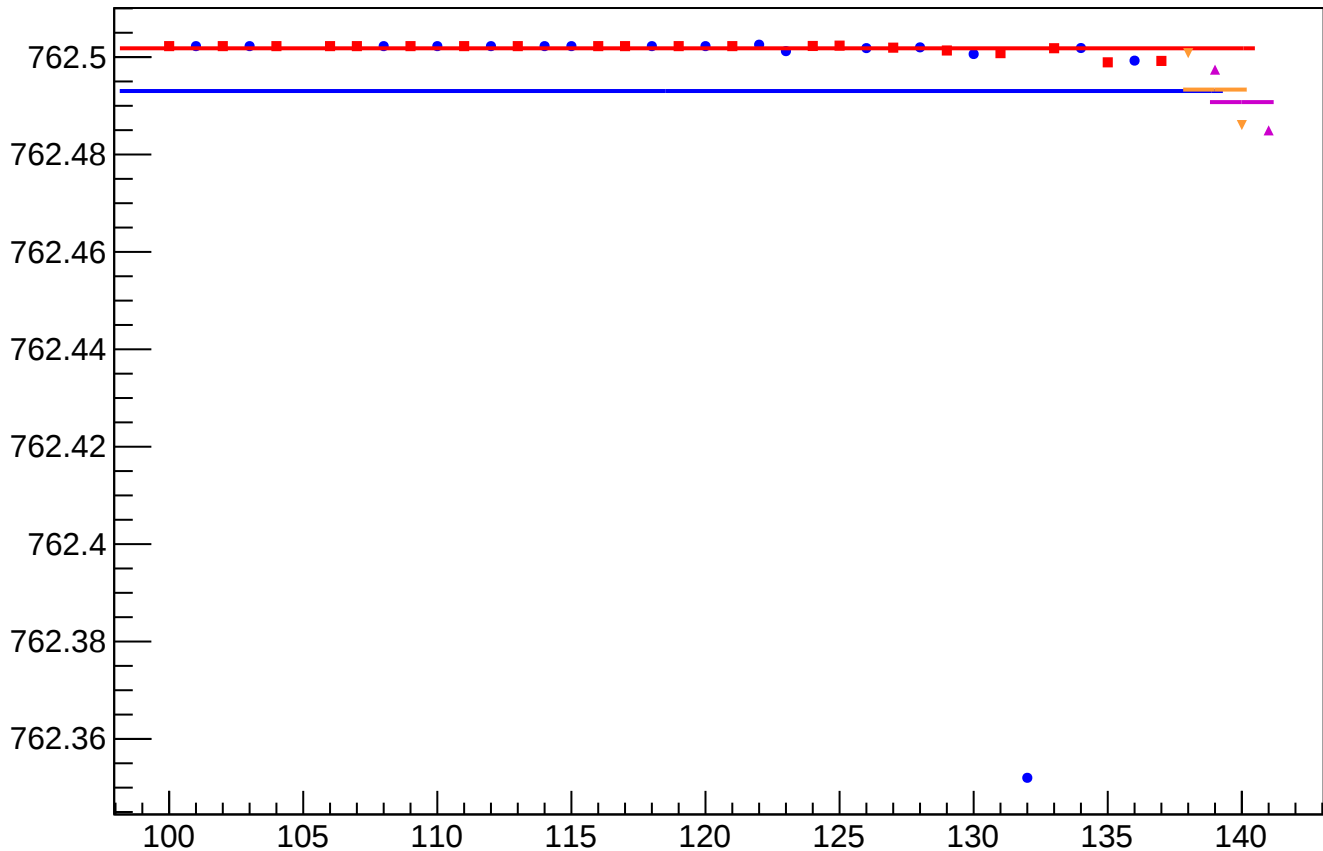
Right In: 924.951+/-0.000 χ^2/NDF : 1494768077098177221899893866496.0/16

Left Out: 924.976+/-0.000 χ^2/NDF : 51554994055187760010053550080.0/1

Right Out: 924.960+/-0.000 χ^2/NDF : 77324010756500300508572942336.0/19

Left In: 924.999+/-0.000 χ^2/NDF : 50318888737115725091594829824.0/1

HacR_D1_HP3458A_IOUT_mean vs Slug



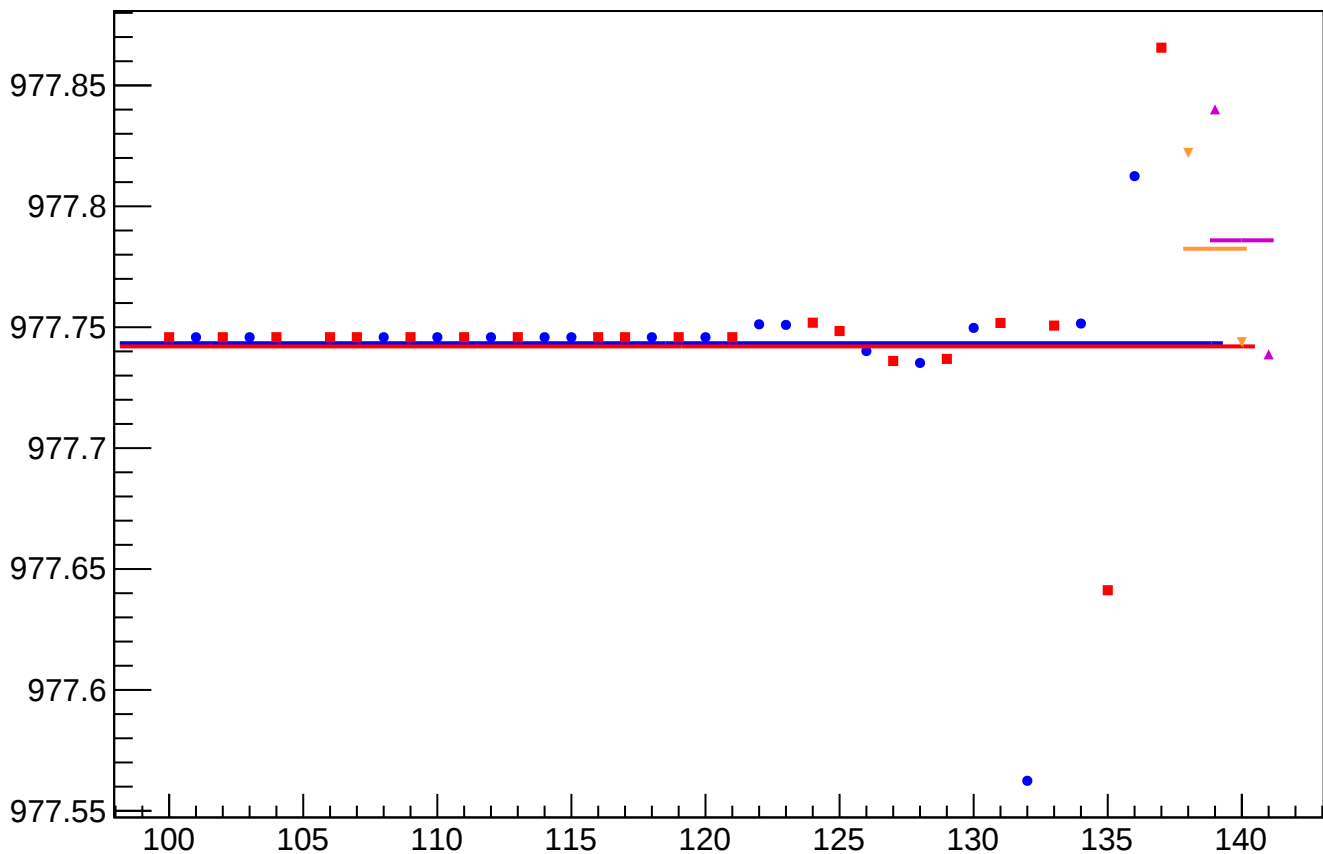
Right In: 762.493+/-0.000 χ^2/NDF : 844860490387532826187107663872.0/16

Left Out: 762.493+/-0.000 χ^2/NDF : 8603869715529749019972599808.0/1

Right Out: 762.502+/-0.000 χ^2/NDF : 671534847335234231068524544.0/19

Left In: 762.491+/-0.000 χ^2/NDF : 6149787237895671683150249984.0/1

HacR_Q3_HP3458A_IOUT_mean vs Slug



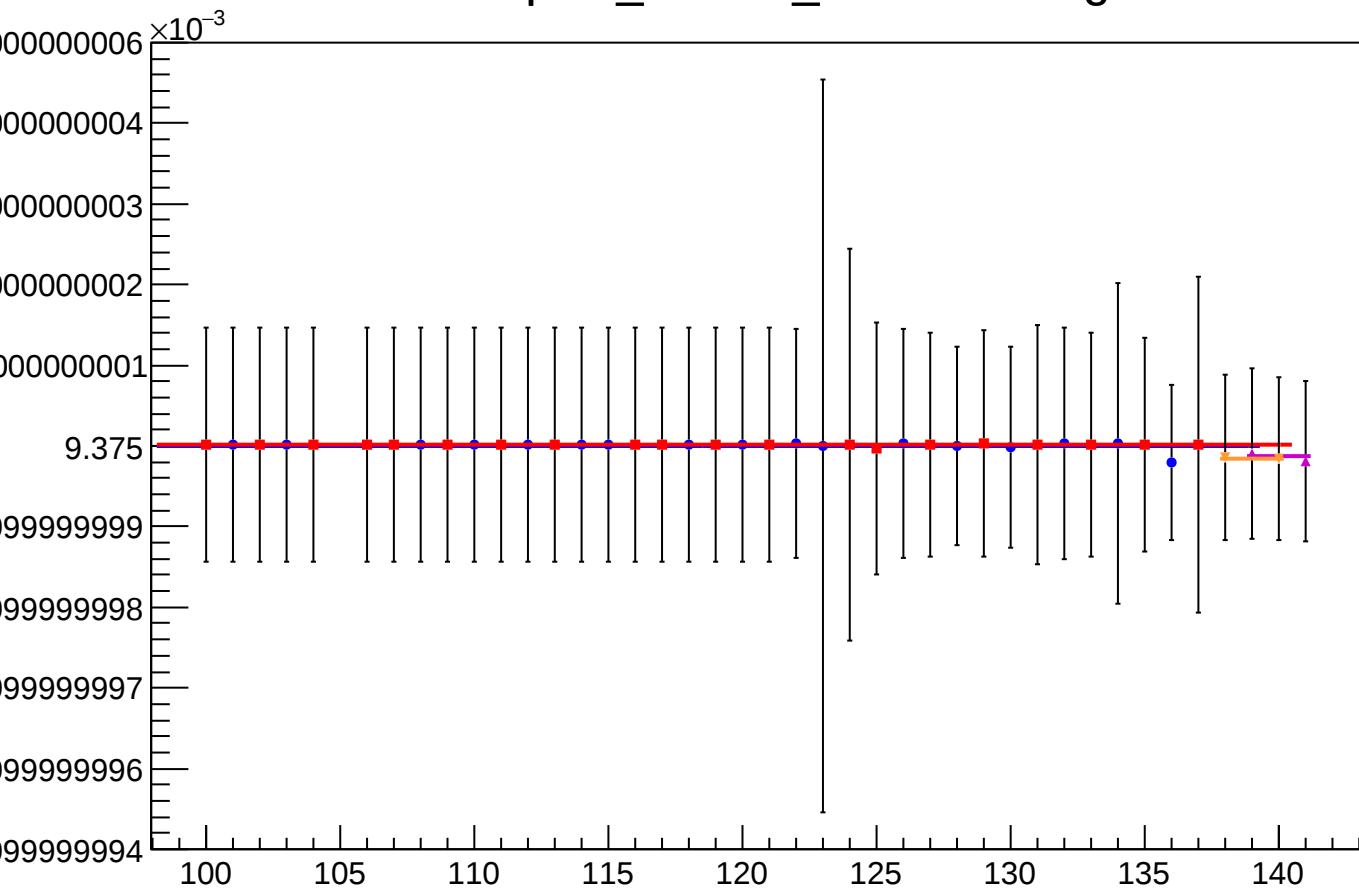
Right In: 977.743+/-0.000 χ^2/NDF : 1742505979268316185481239855104.0/16

Left Out: 977.782+/-0.000 χ^2/NDF : 241845368983506657180255256576.0/1

Right Out: 977.742+/-0.000 χ^2/NDF : 786821948031030942922994352128.0/19

Left In: 977.786+/-0.000 χ^2/NDF : 406106922252064969621644509184.0/1

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/1

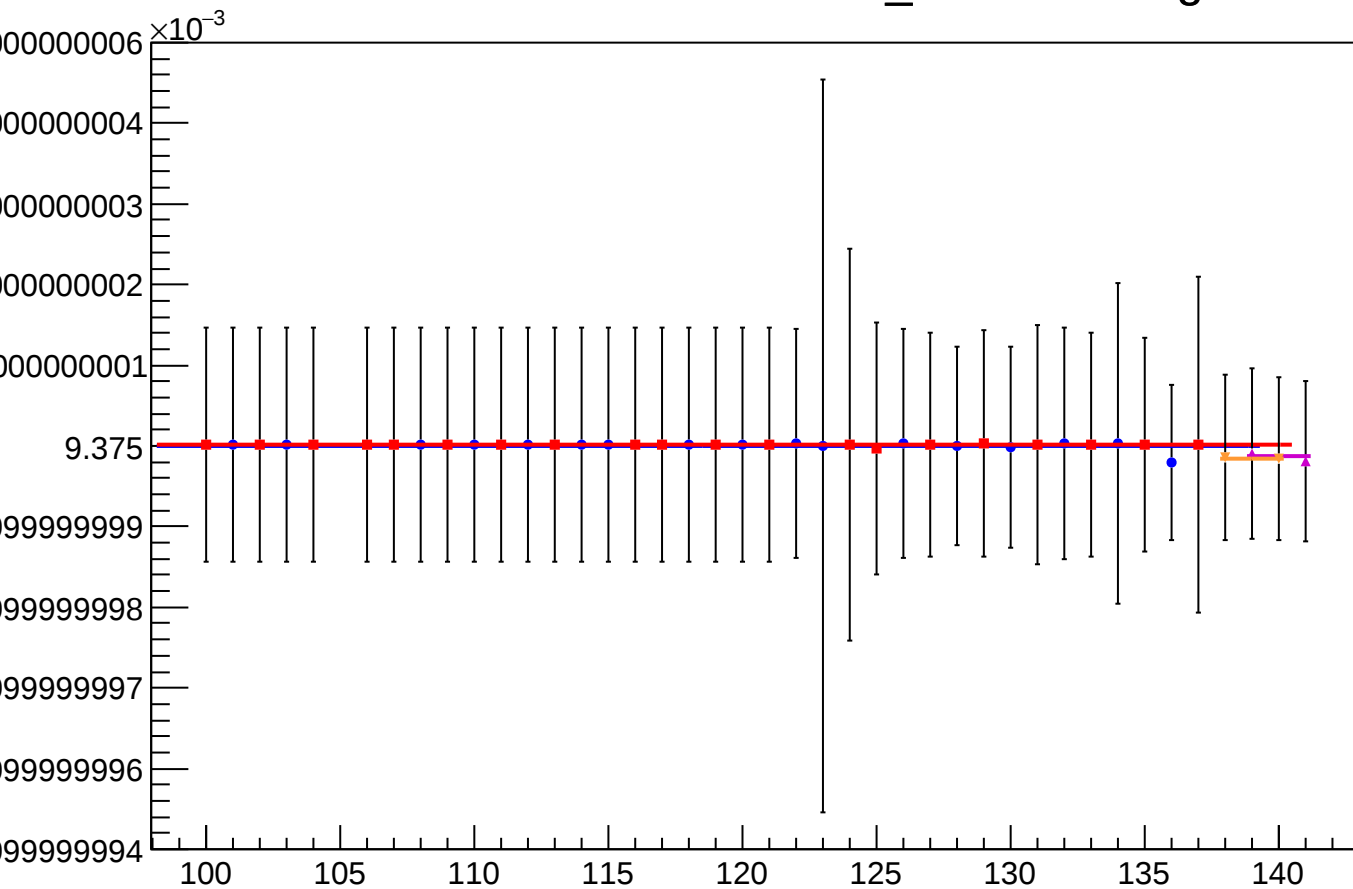
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/1

0.009+/-0.000 χ^2/NDF : 0.1/18

0.009+/-0.000 χ^2/NDF : 0.0/21

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/1

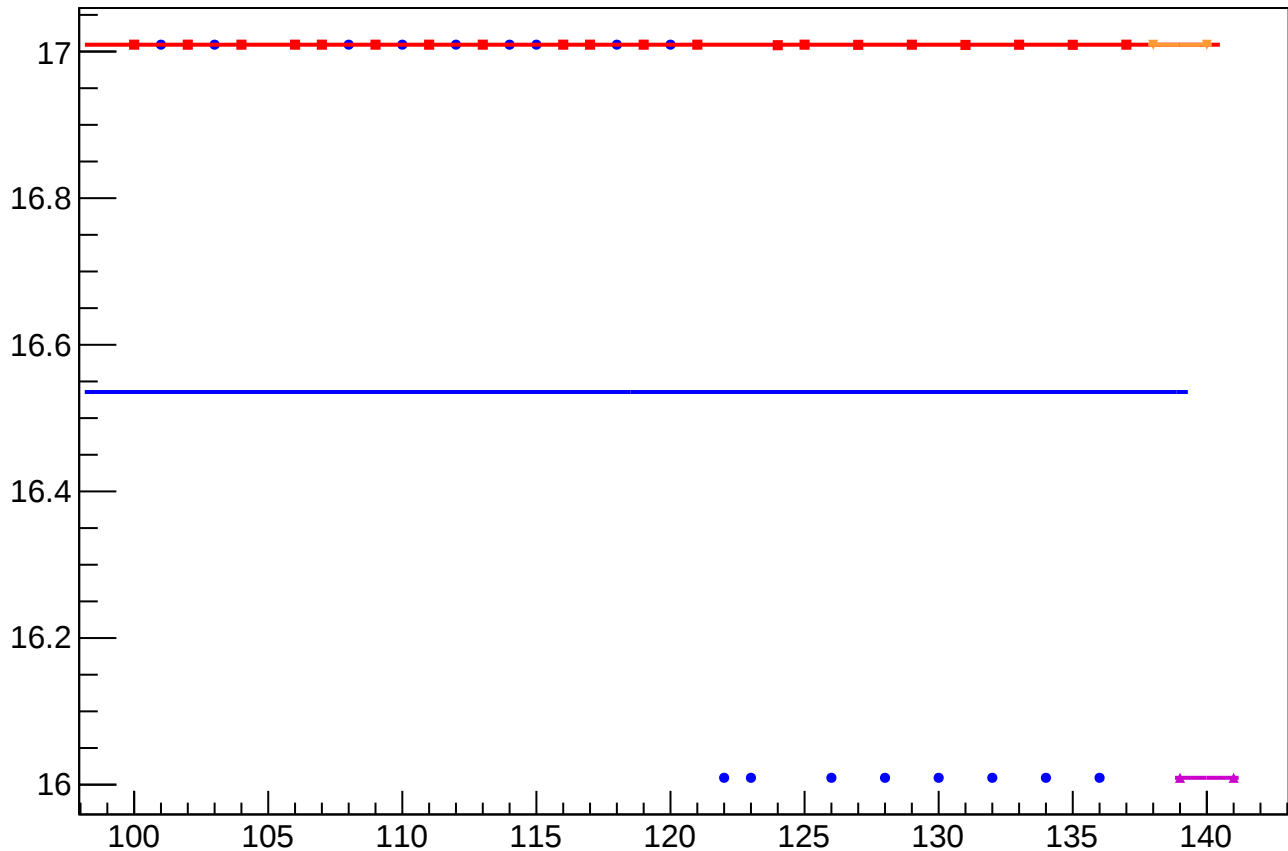
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/1

0.009+/-0.000 χ^2/NDF : 0.1/18

0.009+/-0.000 χ^2/NDF : 0.0/21

IGL1I00DI24_24M_mean vs Slug



Right In: 16.536+/-0.000 χ^2/NDF : 166290854572710847195720592654336.0/16

Left Out: 17.009+/-0.000 χ^2/NDF : 5580963078051908812800.0/1

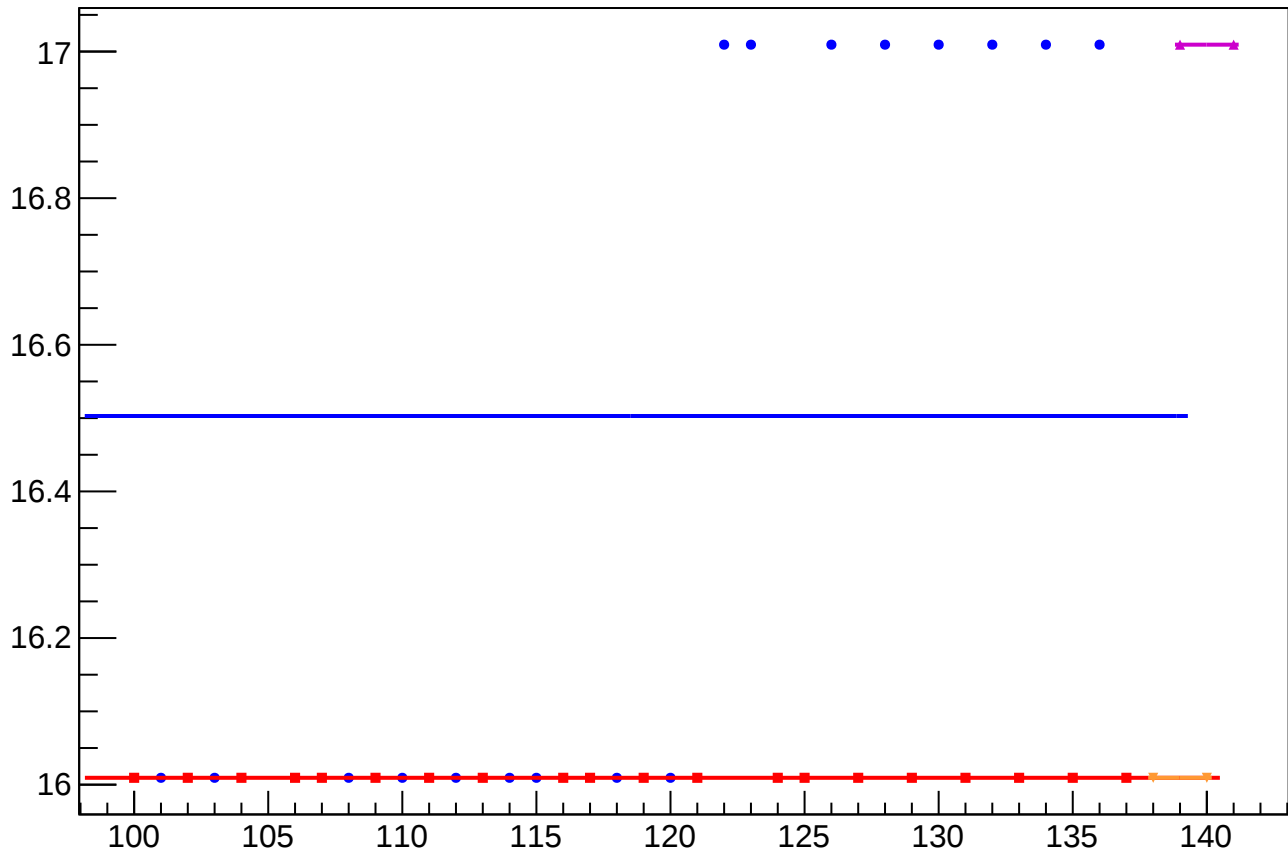
Right Out: 17.009+/-0.000 χ^2/NDF : 11540731635624530264719360.0/19

Left In: 16.009+/-0.000 χ^2/NDF : 1830.2/1

16.618+/-0.000 χ^2/NDF : 192396290793396553

16.844+/-0.000 χ^2/NDF : 120985421446404495

IGL1I00OD16_16_mean vs Slug



Right In: 16.503+/-0.000 χ^2/NDF : 173220779220767859821342581850112.0/16

Left Out: 16.009+/-0.000 χ^2/NDF : 0.0/1

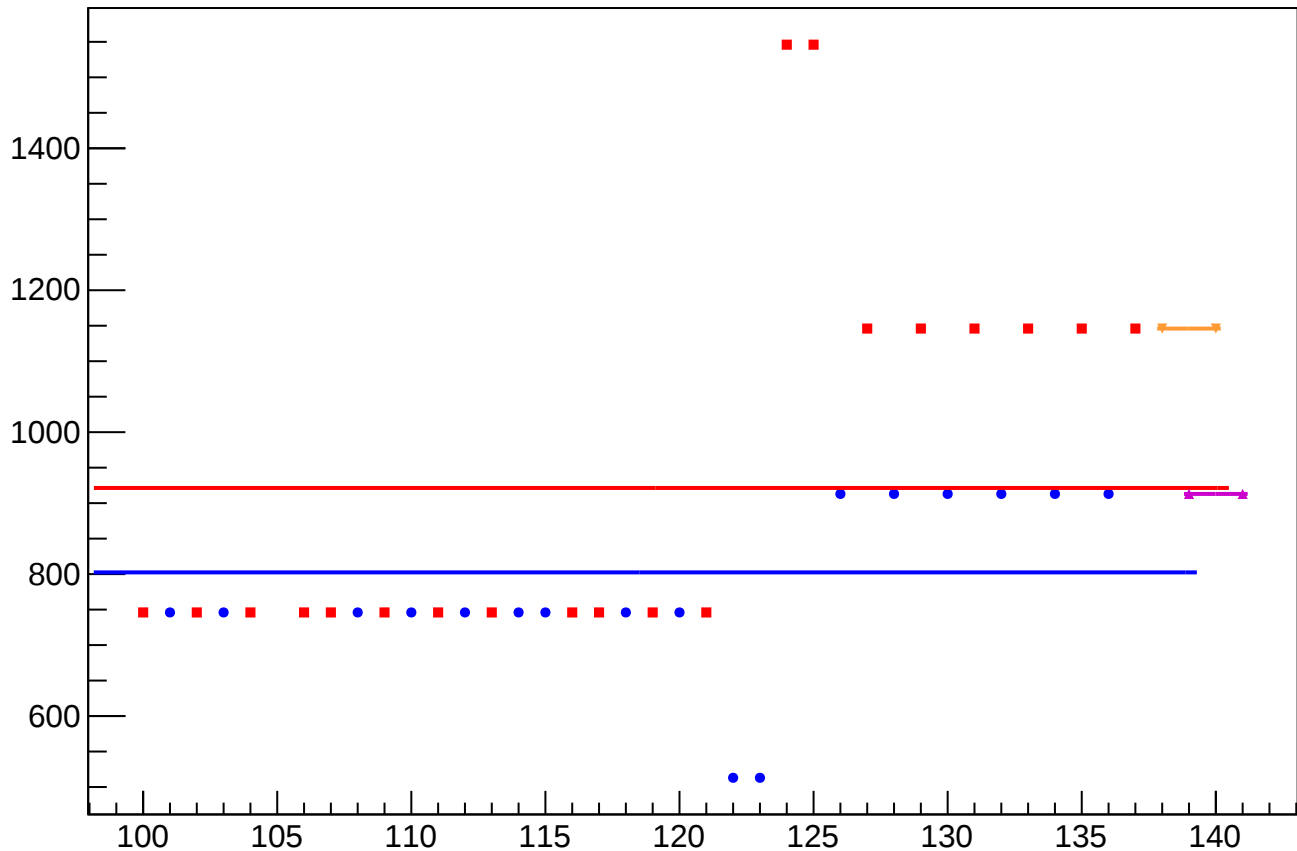
Right Out: 16.009+/-0.000 χ^2/NDF : 51711.4/19

Left In: 17.009+/-0.000 χ^2/NDF : 4291.4/1

16.411+/-0.000 χ^2/NDF : 204556991774372874

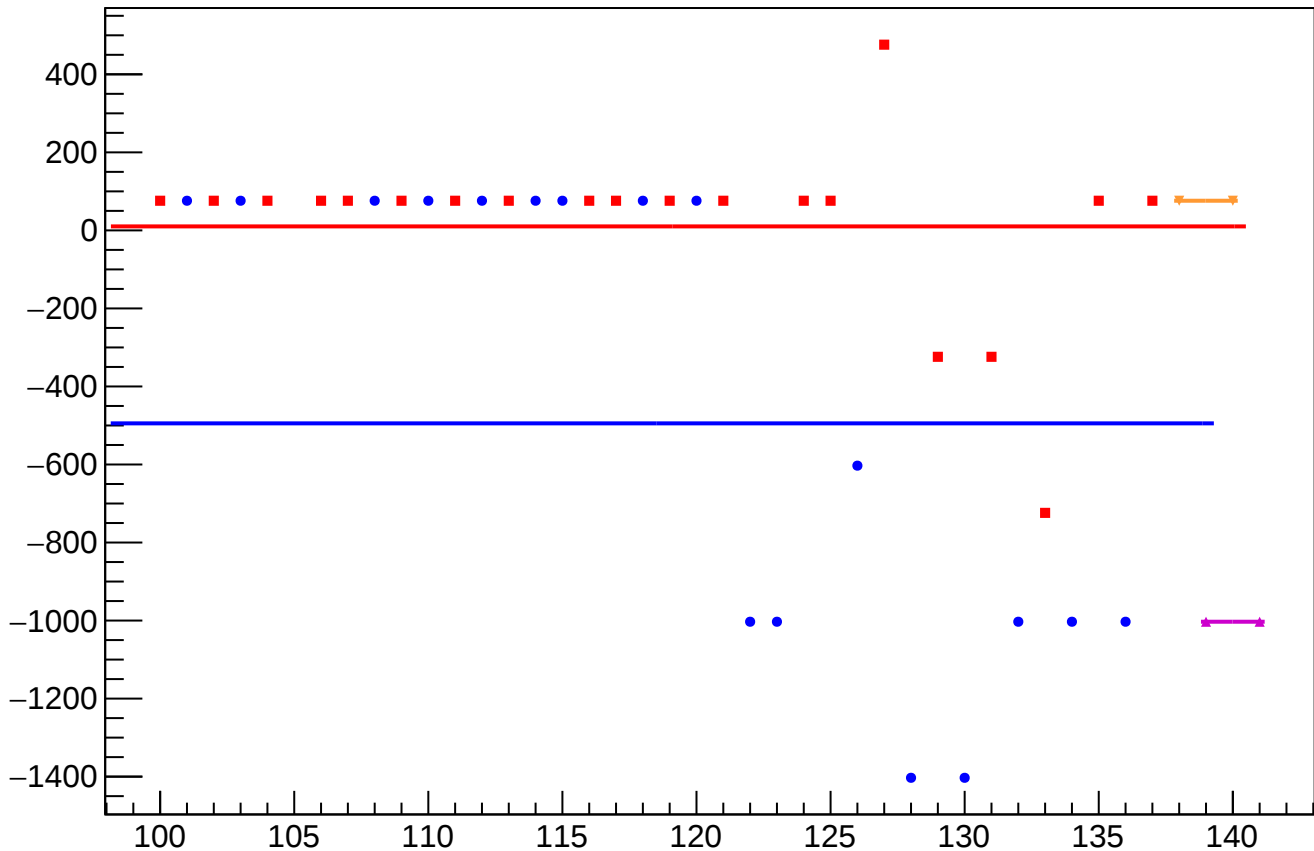
16.185+/-0.000 χ^2/NDF : 131126791620715288

RTPAPOSUCNT_mean vs Slug



Right In: 802.433 ± 0.000 χ^2/NDF : 8518512859792873312396438277176950784.0/16
 Left Out: 1146.014 ± 0.000 χ^2/NDF : 14995602863179692033179648.0/1
 Right Out: 921.400 ± 0.000 χ^2/NDF : 44830922812168808267288896825047646208.0/19
 Left In: 912.991 ± 0.000 χ^2/NDF : 1505350956392112619257856.0/1

RTPAPOSVCNT_mean vs Slug



Right In: -494.579+/-0.000 χ^2/NDF : 253199546676747861412476401848126799872.0/16
 Left Out: 76.010+/-0.000 χ^2/NDF : 14000019396099548257452032.0/1
 Right Out: 10.233+/-0.000 χ^2/NDF : 43963419681025124833204803444750155776.0/19
 Left In: -1002.990+/-0.000 χ^2/NDF : 81959313861254774184214528.0/1