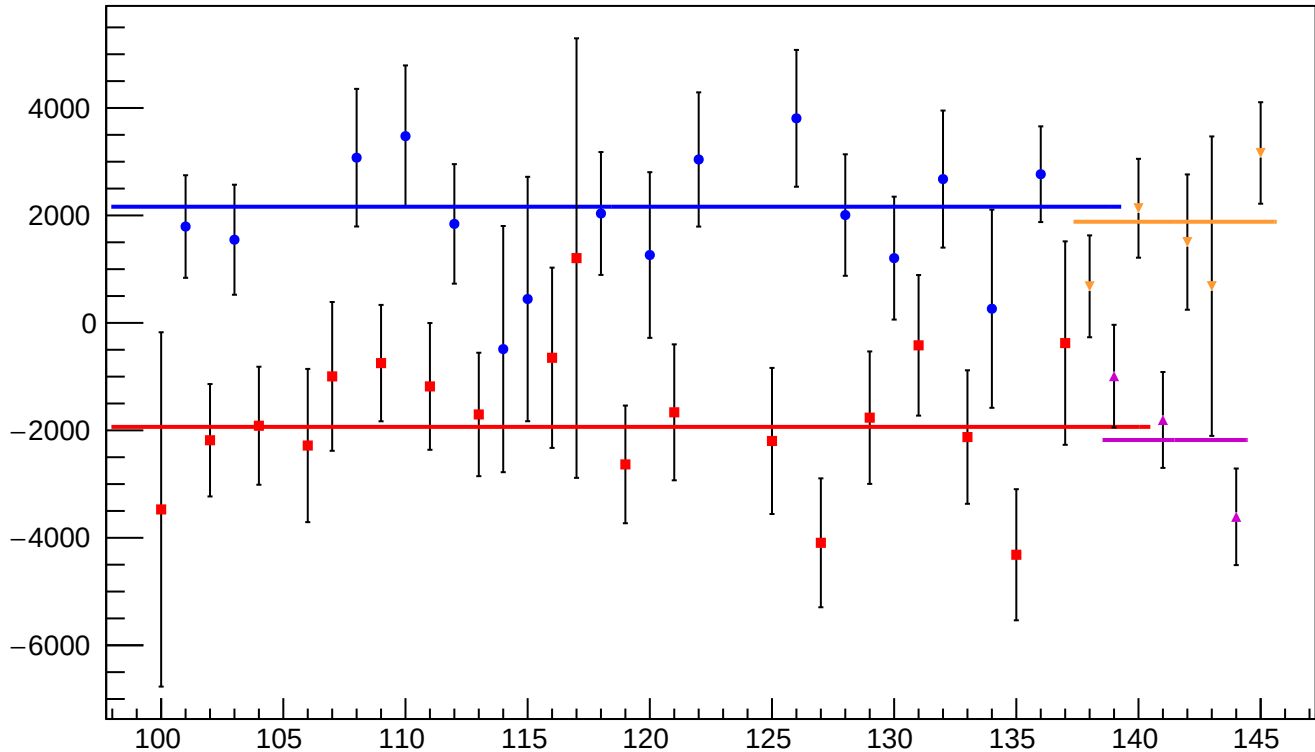


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

2083.261+/-260.268

χ^2/NDF : 13.0/20

Left Out: 1882.714+/-489.481

χ^2/NDF : 3.8/4

Right Out: -1935.183+/-299.773

χ^2/NDF : 13.2/18

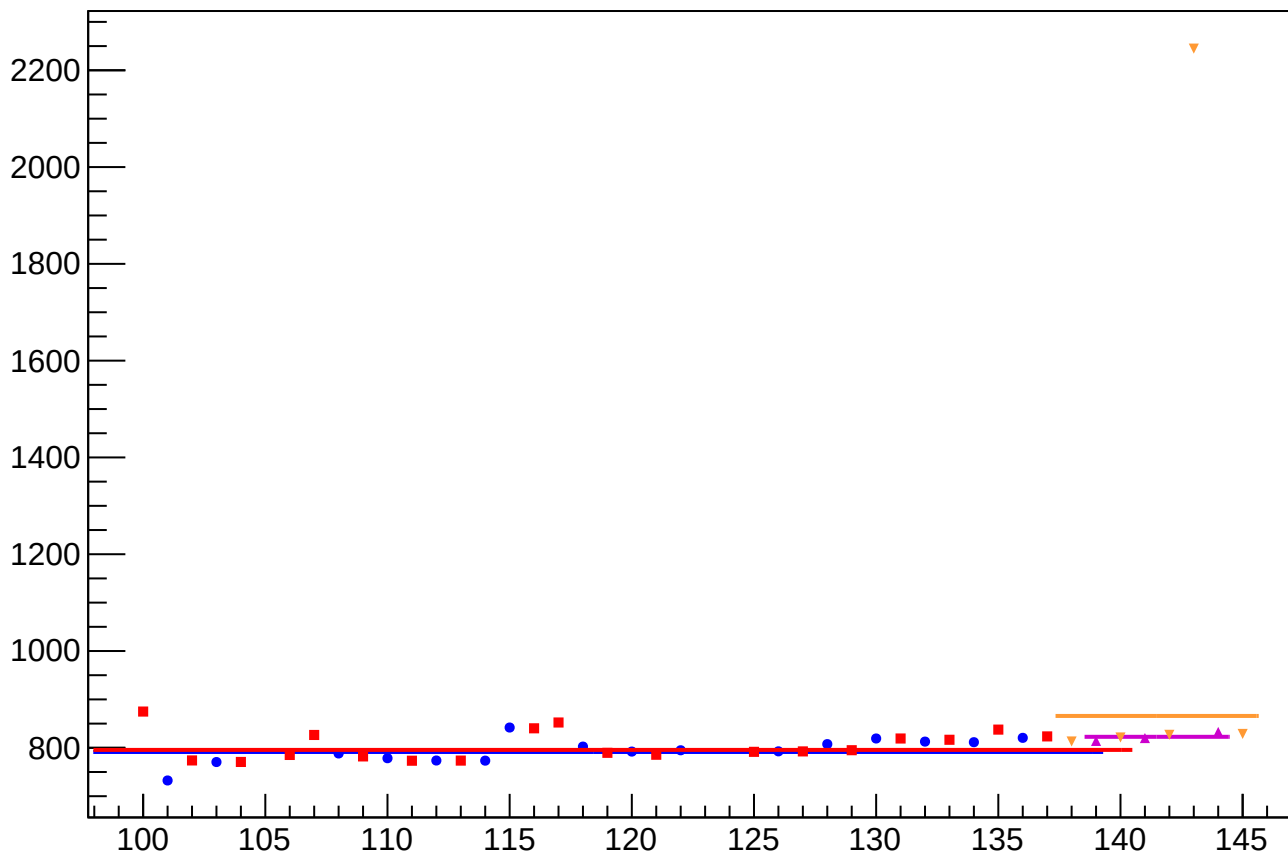
-1994.757+/-260.676

χ^2/NDF : 17.6/21

Left In: -2179.504+/-527.901

χ^2/NDF : 4.3/2

reg_asym_us_avg_rms vs Slug



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

Left Out: 865.835 $\pm$ 0.346 χ^2 /NDF: 505591.6/4

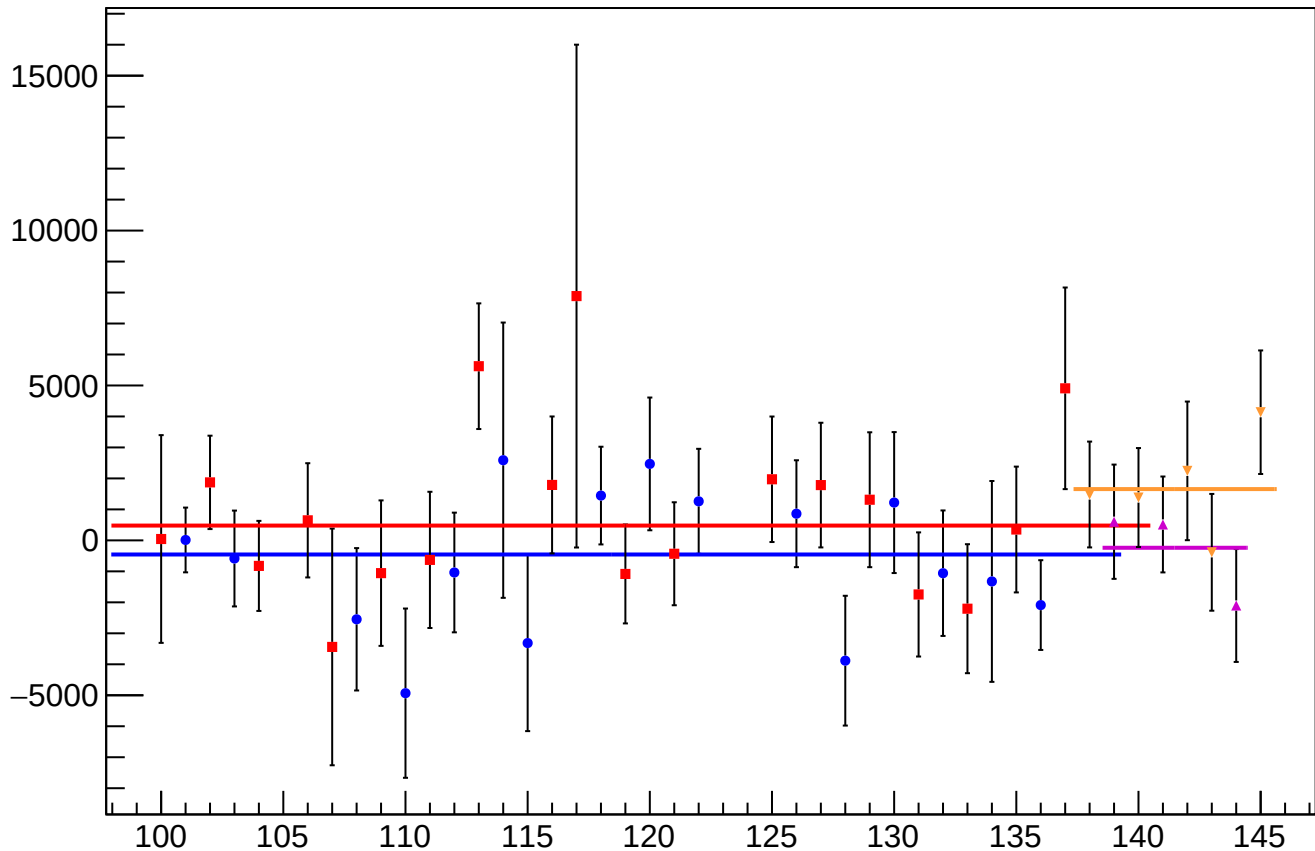
Right Out: 795.650 $\pm$ 0.212 χ^2 /NDF: 11945.4/18

Left In: 822.714 $\pm$ 0.373 χ^2 /NDF: 425.1/2

812.438 $\pm$ 0.184 χ^2 /NDF: 553782.4/20

802.249 $\pm$ 0.184 χ^2 /NDF: 16345.2/21

asym_us_avg_correction_mean vs Slug



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

Left Out: 1655.610+/-825.539 χ^2/NDF : 2.8/4

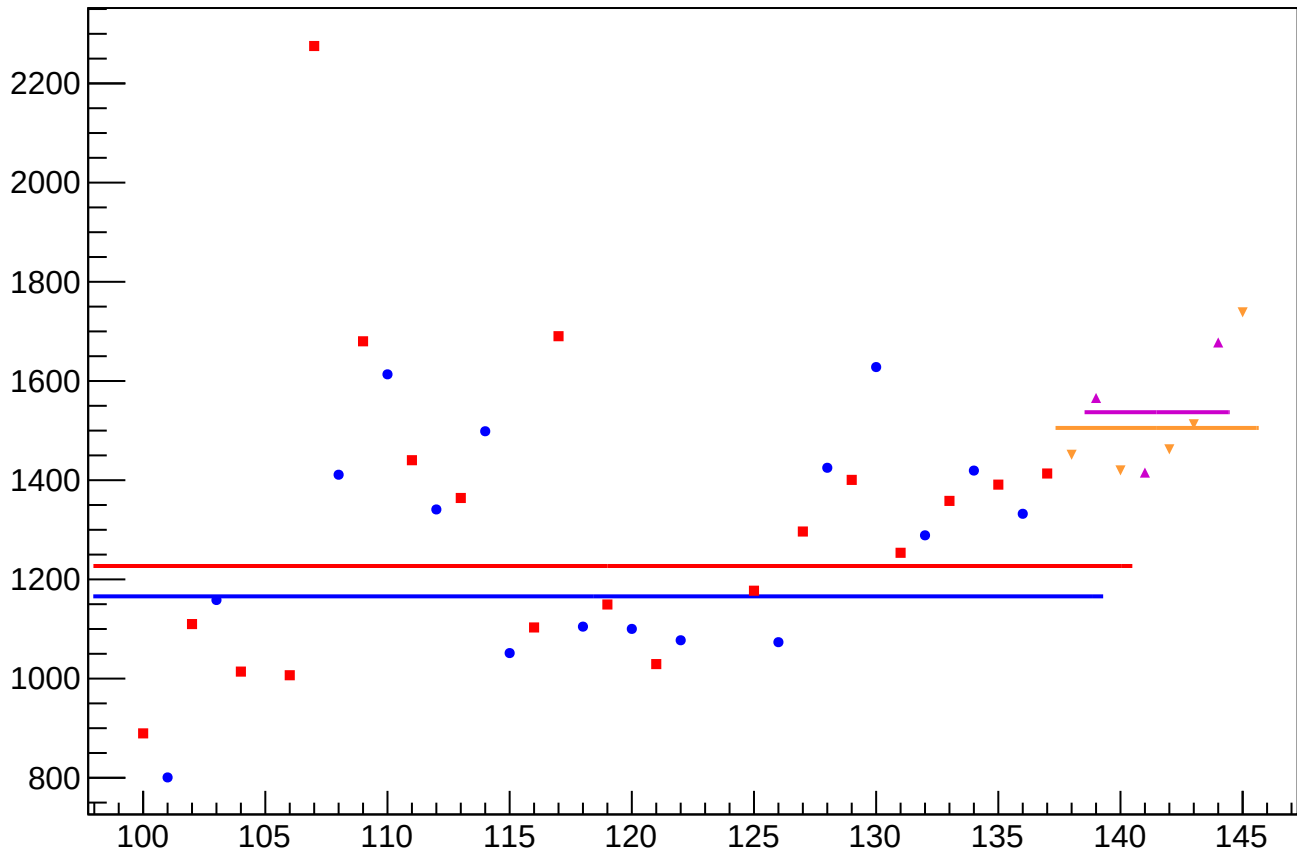
Right Out: 477.782+/-471.960 χ^2/NDF : 18.2/18

Left In: -238.681+/-993.620 χ^2/NDF : 1.5/2

51.562+/-404.641 χ^2/NDF : 22.7/20

345.893+/-426.313 χ^2/NDF : 20.1/21

asym_us_avg_correction_rms vs Slug



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

Left Out: 1505.379 $\pm$ 0.584 χ^2 /NDF: 35848.3/4

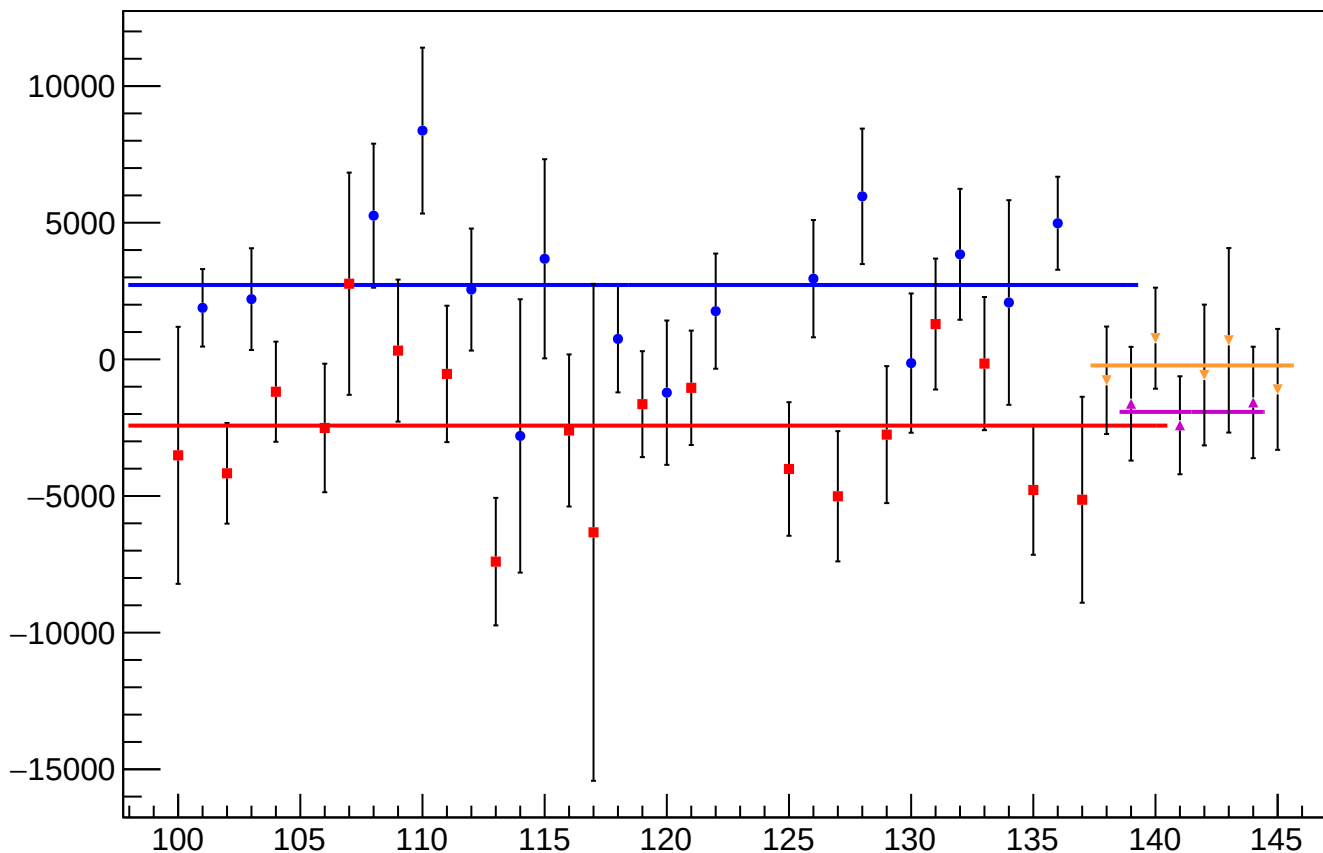
Right Out: 1227.021 $\pm$ 0.334 χ^2 /NDF: 446961.2/18

Left In: 1537.088 $\pm$ 0.703 χ^2 /NDF: 24779.3/2

1247.393 $\pm$ 0.286 χ^2 /NDF: 819733.4/20

1284.099 $\pm$ 0.301 χ^2 /NDF: 630649.4/21

asym_us_avg_mean vs Slug



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

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

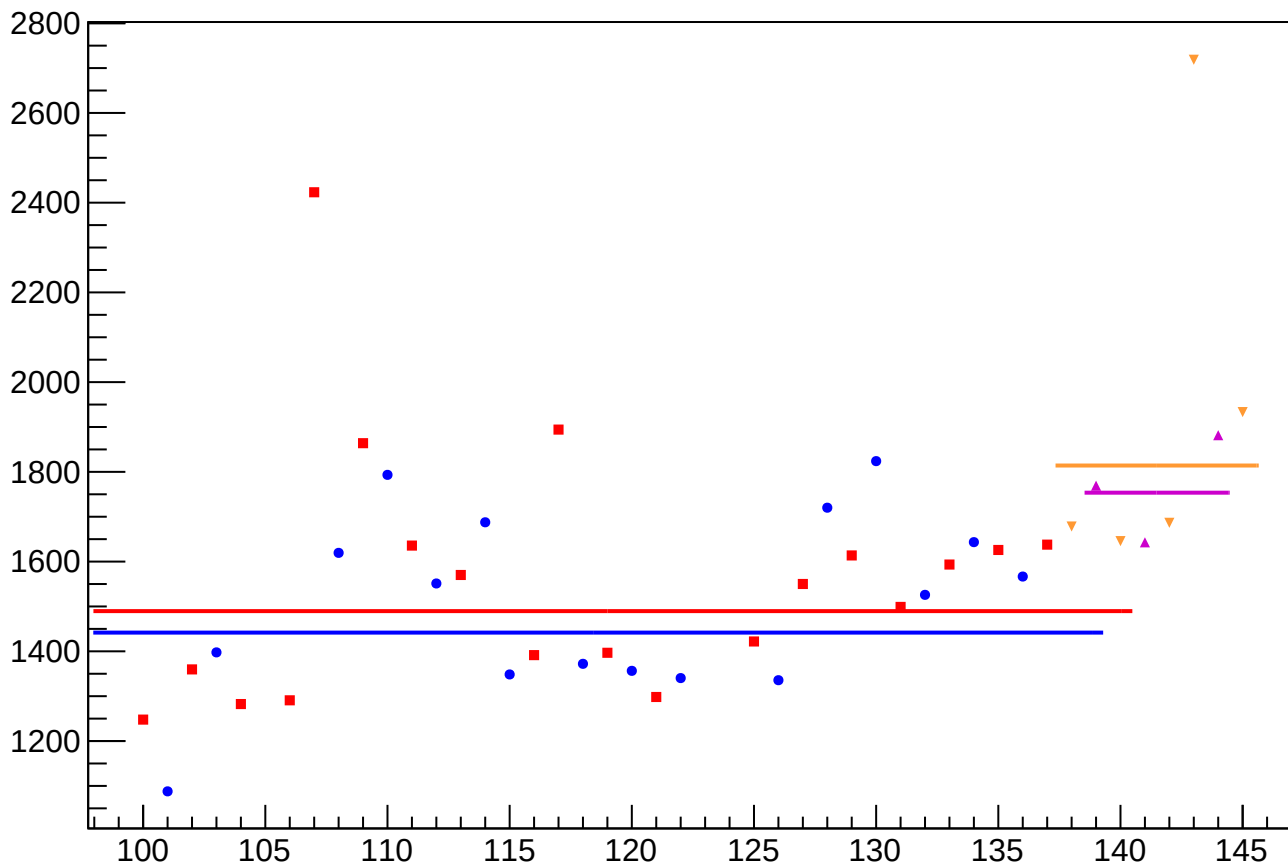
Right Out: -2423.739+/-567.866 χ^2/NDF : 16.5/18

Left In: -1922.569+/-1130.445 χ^2/NDF : 0.1/2

2009.168+/-493.714 χ^2/NDF : 21.7/20

-2322.754+/-507.439 χ^2/NDF : 16.8/21

asym_us_avg_rms vs Slug



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

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

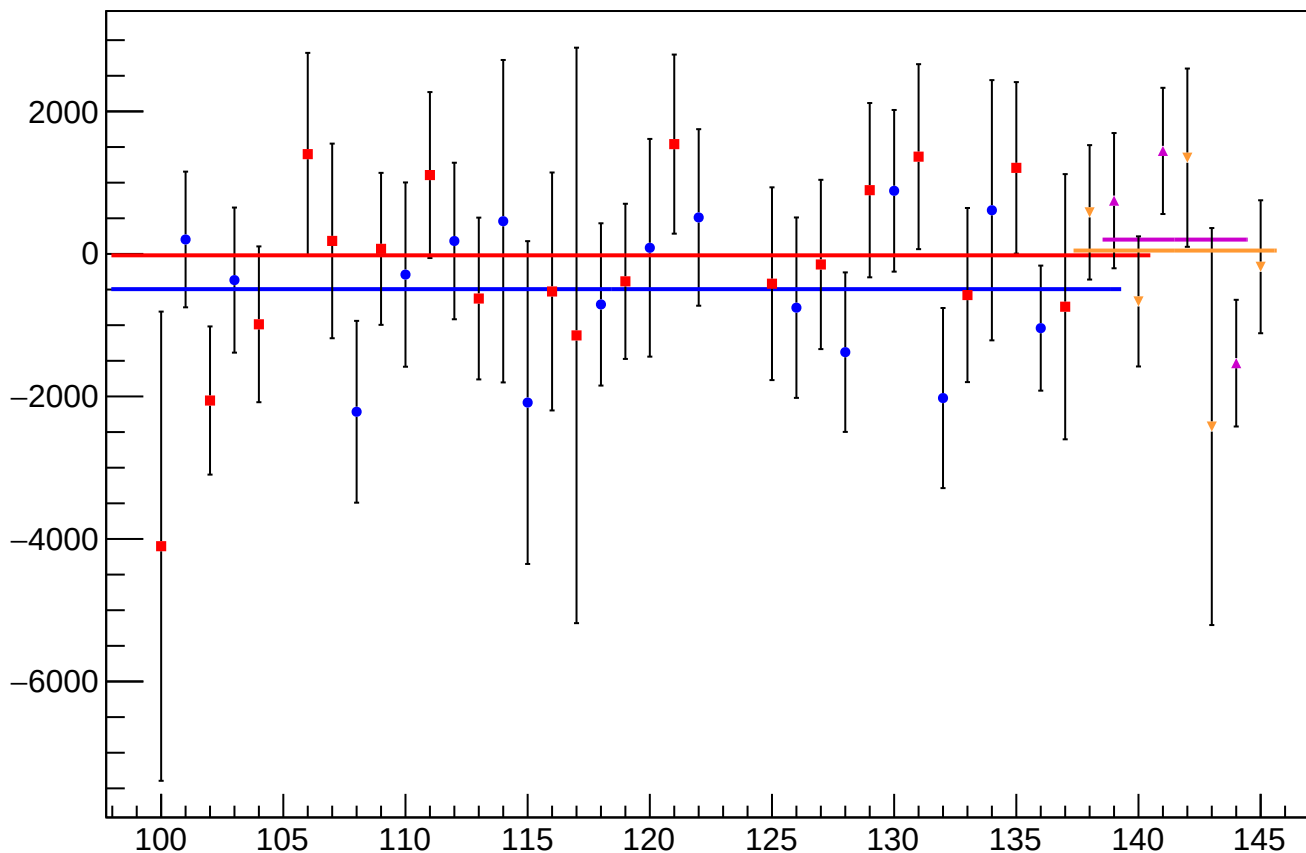
Right Out: 1489.610+/-0.402 χ^2 /NDF: 260116.0/18

Left In: 1753.587+/-0.799 χ^2 /NDF:15626.9/2

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

1542.801+/-0.359 χ^2 /NDF: 362827.7/21

reg_asym_us_dd_mean vs Slug



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

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

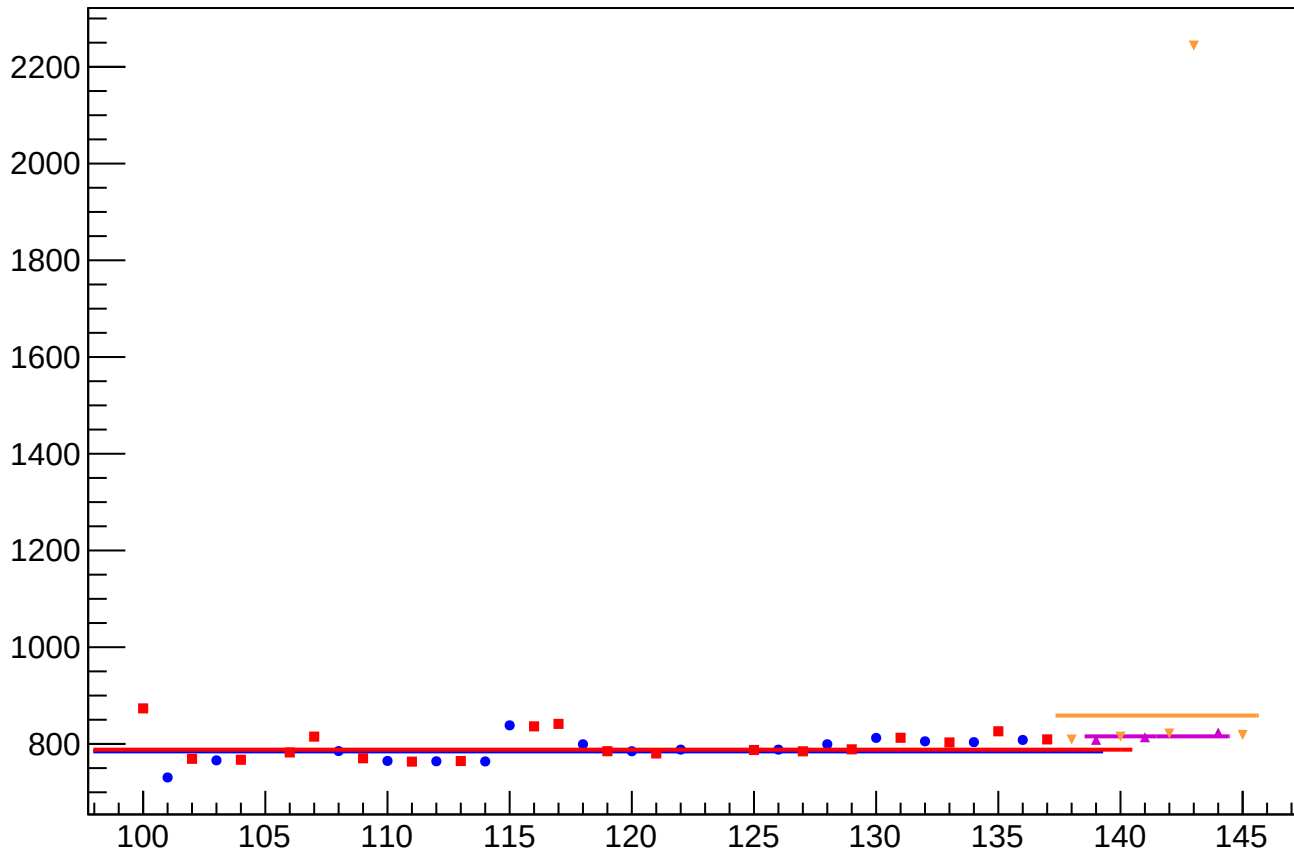
Right Out: -19.622+/-296.930 χ^2/NDF : 13.4/18

Left In: 200.998+/-523.327 χ^2/NDF : 6.1/2

-341.311+/-258.069 χ^2/NDF : 12.4/20

34.106+/-258.256 χ^2/NDF : 19.7/21

reg_asym_us_dd_rms vs Slug



Right In: 784.558 $\pm$ 0.215 χ^2 /NDF: 13677.7/15

Left Out: 858.750 $\pm$ 0.343 χ^2 /NDF: 510168.8/4

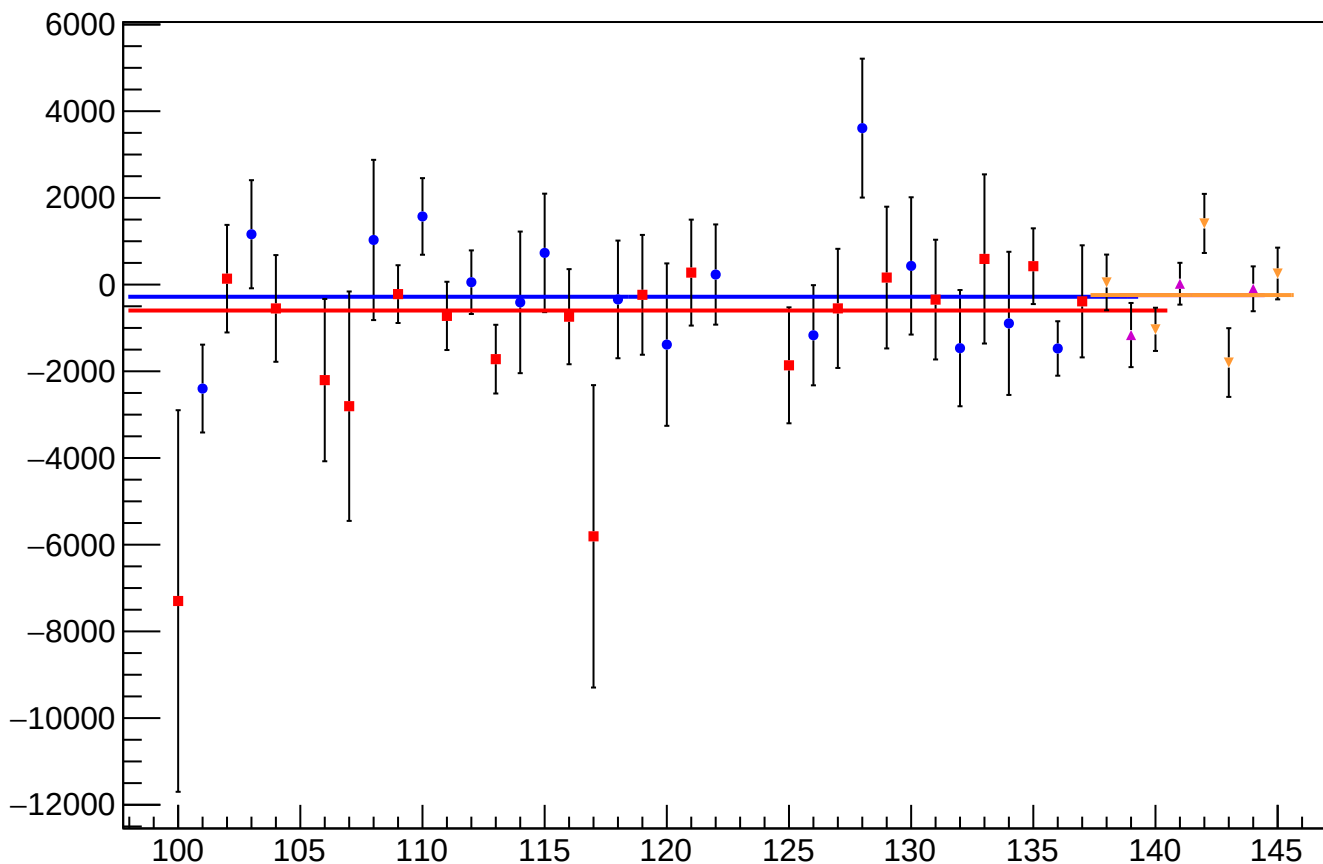
Right Out: 788.134 $\pm$ 0.210 χ^2 /NDF: 11259.7/18

Left In: 815.638 $\pm$ 0.370 χ^2 /NDF: 284.4/2

805.509 $\pm$ 0.182 χ^2 /NDF: 557344.6/20

794.832 $\pm$ 0.183 χ^2 /NDF: 15723.0/21

asym_us_dd_correction_mean vs Slug



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

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

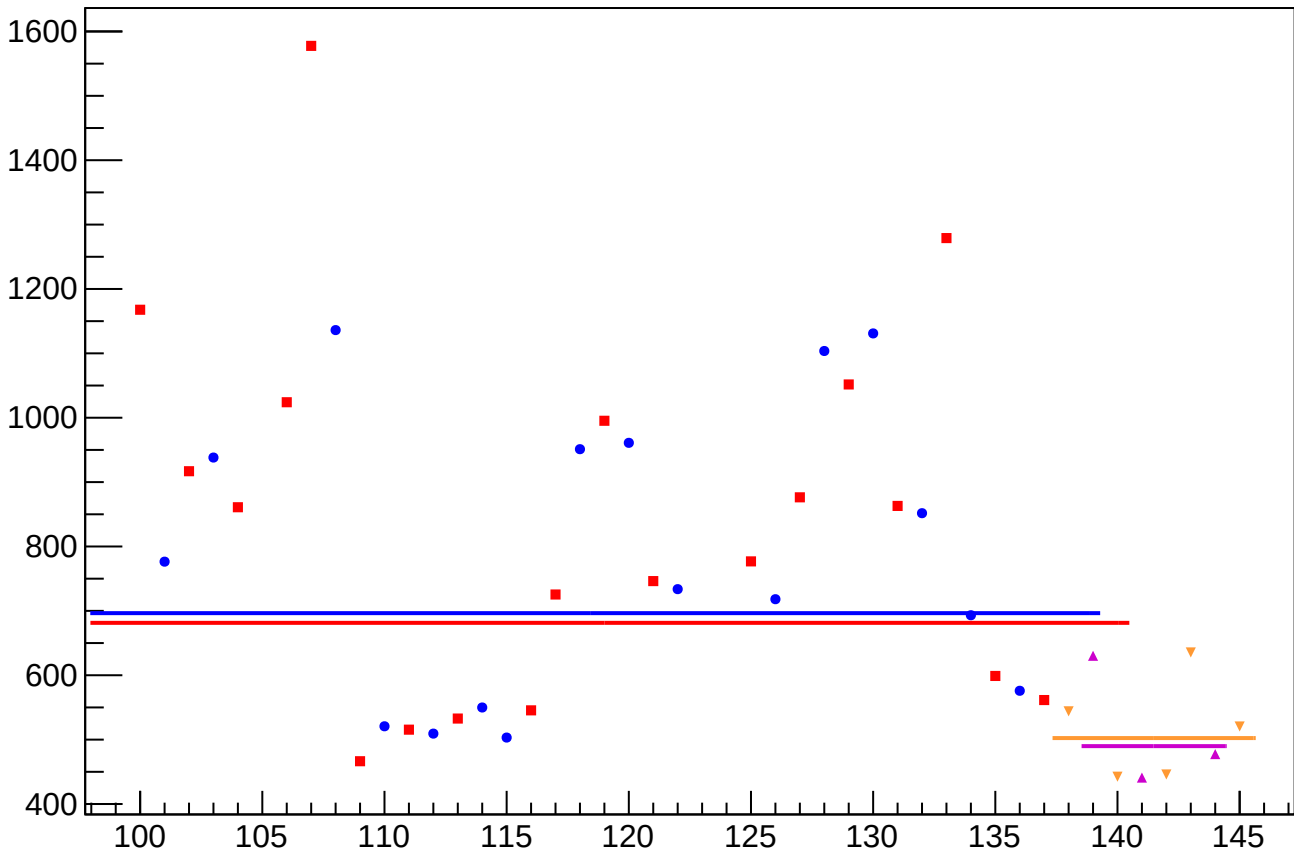
Right Out: -598.108 ± 272.052 χ^2/NDF : 12.2/18

Left In: -243.615 ± 318.490 χ^2/NDF : 1.9/2

-260.722 ± 197.913 χ^2/NDF : 36.3/20

-448.567 ± 206.859 χ^2/NDF : 14.8/21

asym_us_dd_correction_rms vs Slug



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

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

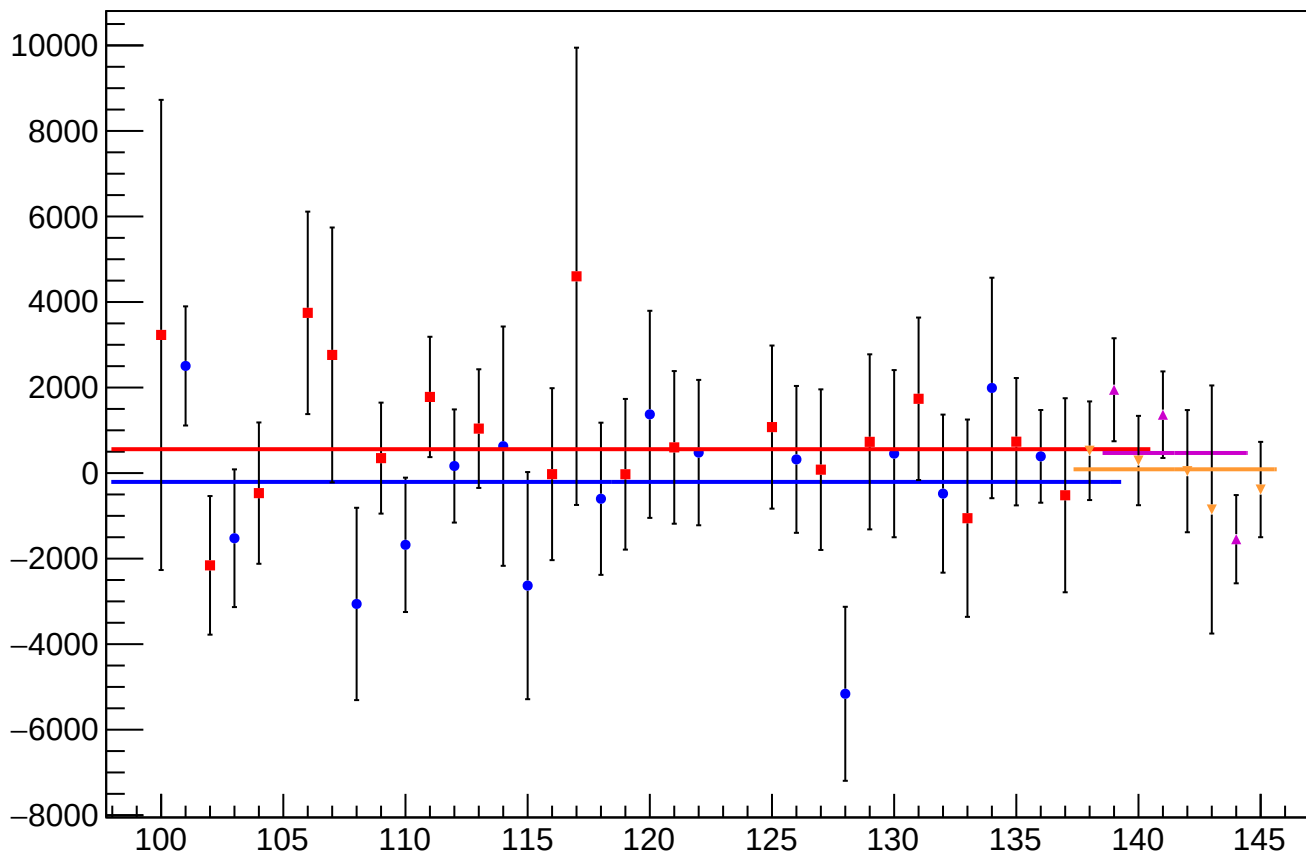
Right Out: 681.396+/-0.192 χ^2/NDF : 1352876.1/18

Left In: 489.894+/-0.225 χ^2/NDF : 93575.8/2

597.651+/-0.140 χ^2/NDF : 1549233.2/20

600.611+/-0.146 χ^2/NDF : 1864503.5/21

asym_us_dd_mean vs Slug



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

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

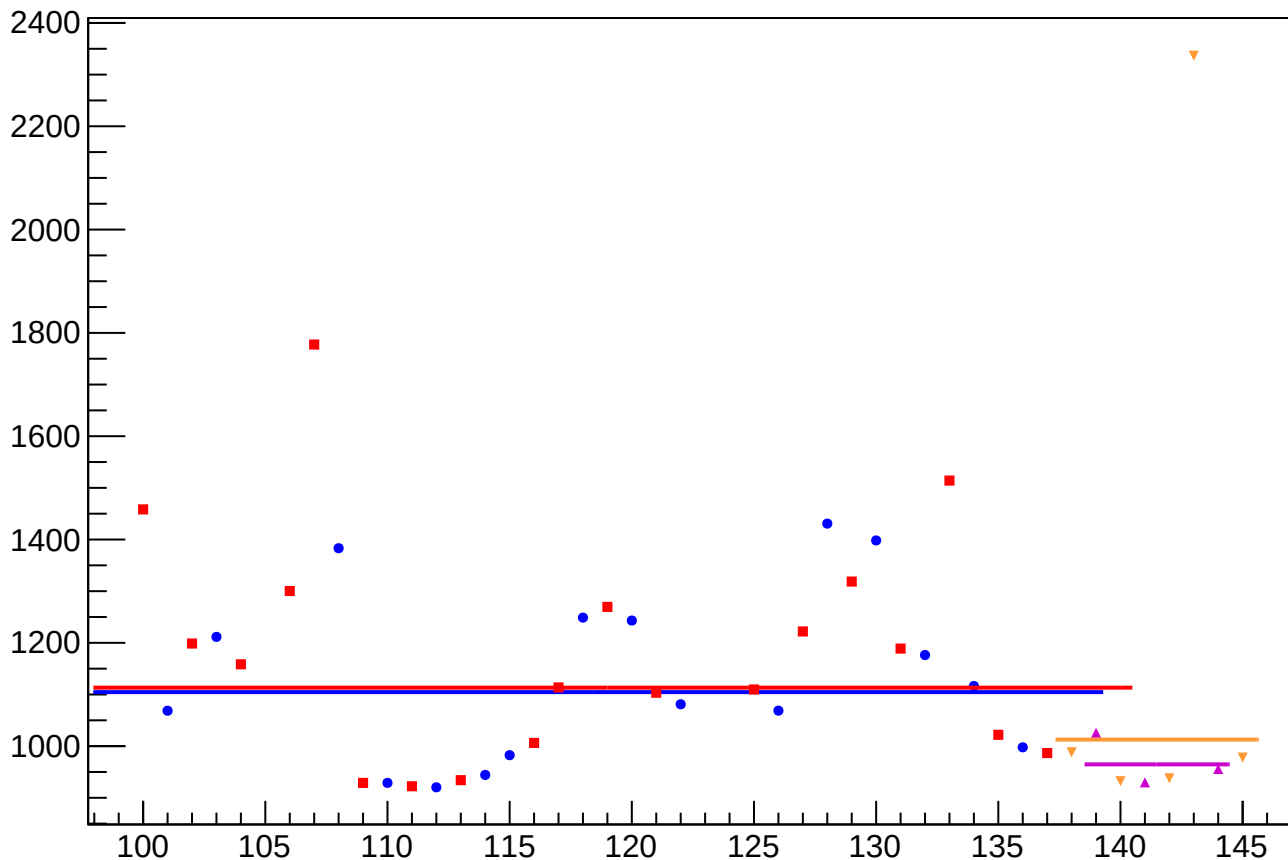
Right Out: 558.638 ± 425.771 χ^2/NDF : 8.7/18

Left In: 470.211 ± 619.581 χ^2/NDF : 6.1/2

-98.117 ± 345.101 χ^2/NDF : 16.4/20

530.274 ± 350.904 χ^2/NDF : 14.8/21

asym_us_dd_rms vs Slug



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

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

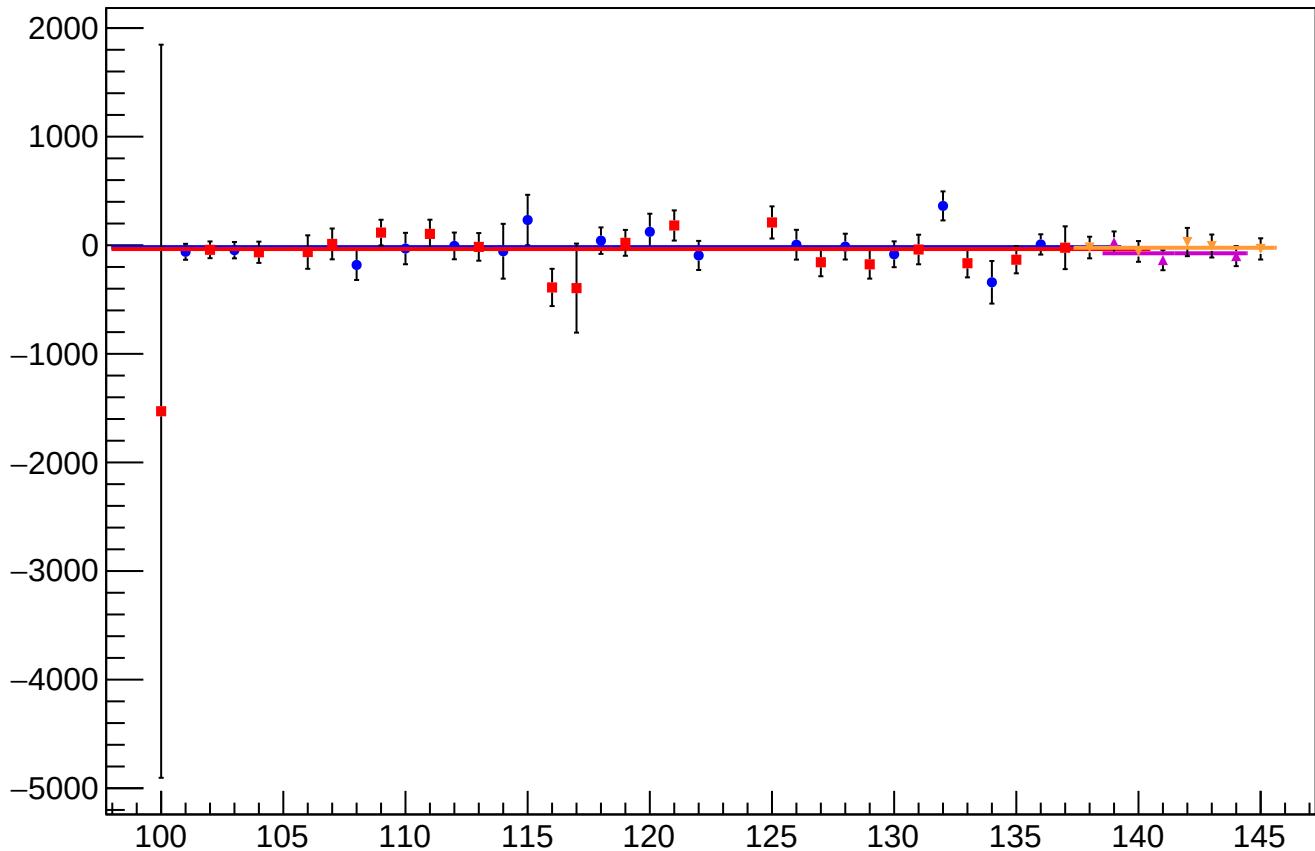
Right Out: 1113.218 ± 0.301 χ^2/NDF : 362982.2/18

Left In: 964.708 ± 0.438 χ^2/NDF : 7689.3/2

1070.870 ± 0.244 χ^2/NDF : 725317.3/20

1065.582 ± 0.248 χ^2/NDF : 448720.7/21

reg_asym_ds_avg_mean vs Slug



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

Left Out: -23.142 $\pm$ 46.439 χ^2 /NDF:0.3/4

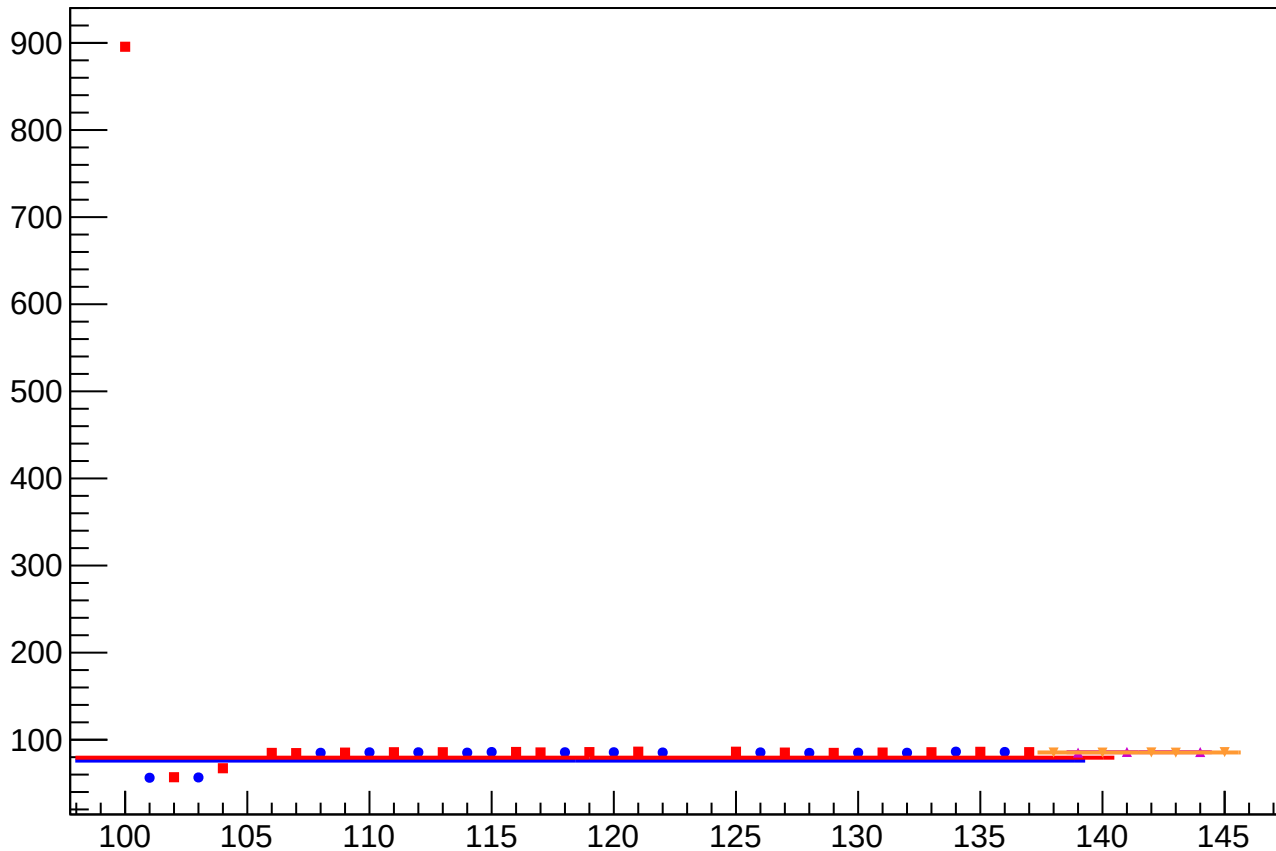
Right Out: -34.875 $\pm$ 30.363 χ^2 /NDF: 17.3/18

Left In: -74.000 $\pm$ 55.032 χ^2 /NDF:1.5/2

-18.974 $\pm$ 25.192 χ^2 /NDF: 15.9/20

-44.005 $\pm$ 26.585 χ^2 /NDF: 19.3/21

reg_asym_ds_avg_rms vs Slug



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

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

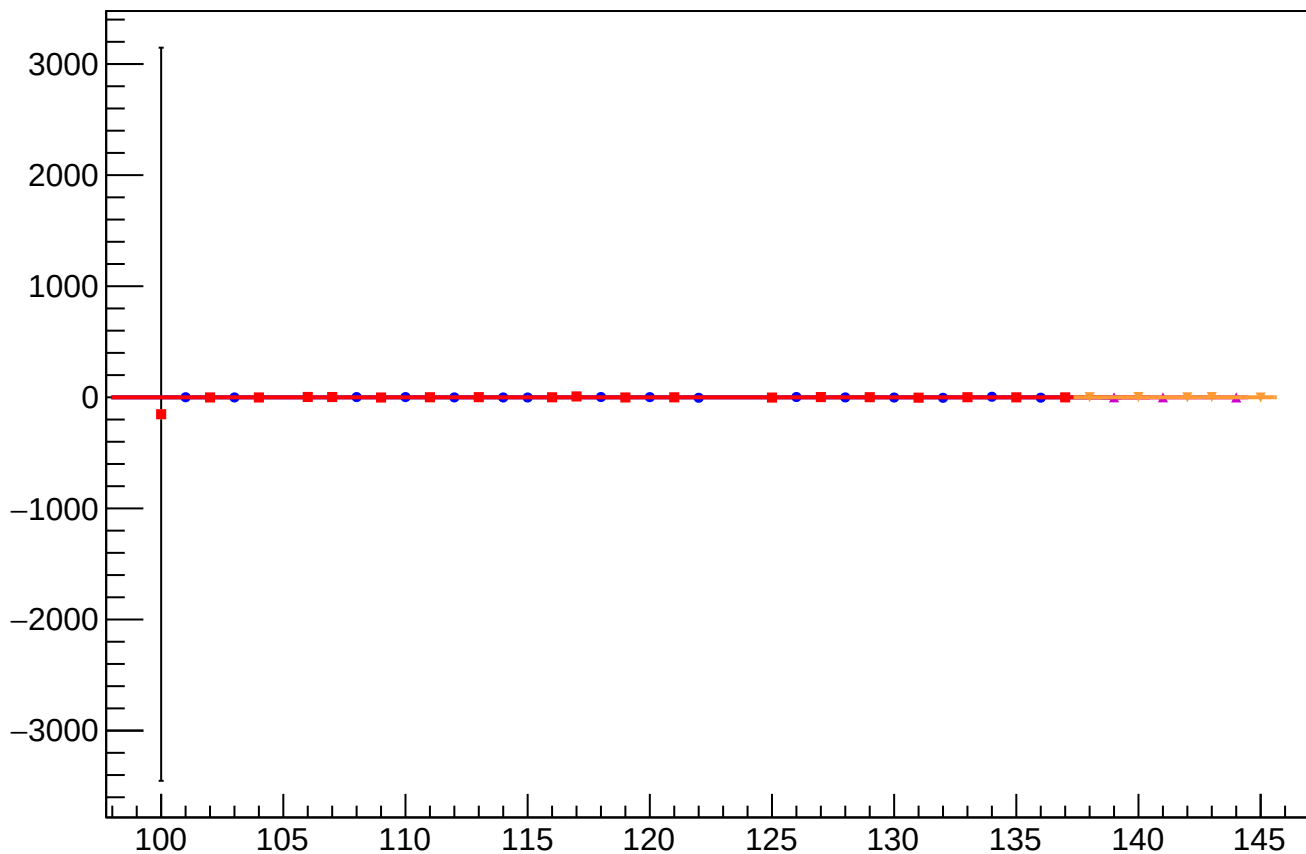
Right Out: 79.423+/-0.021 χ^2/NDF : 378959.4/18

Left In: 85.772+/-0.039 χ^2/NDF : 72.8/2

78.823+/-0.018 χ^2/NDF : 466110.7/20

80.905+/-0.019 χ^2/NDF : 399436.8/21

asym_ds_avg_correction_mean vs Slug



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

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

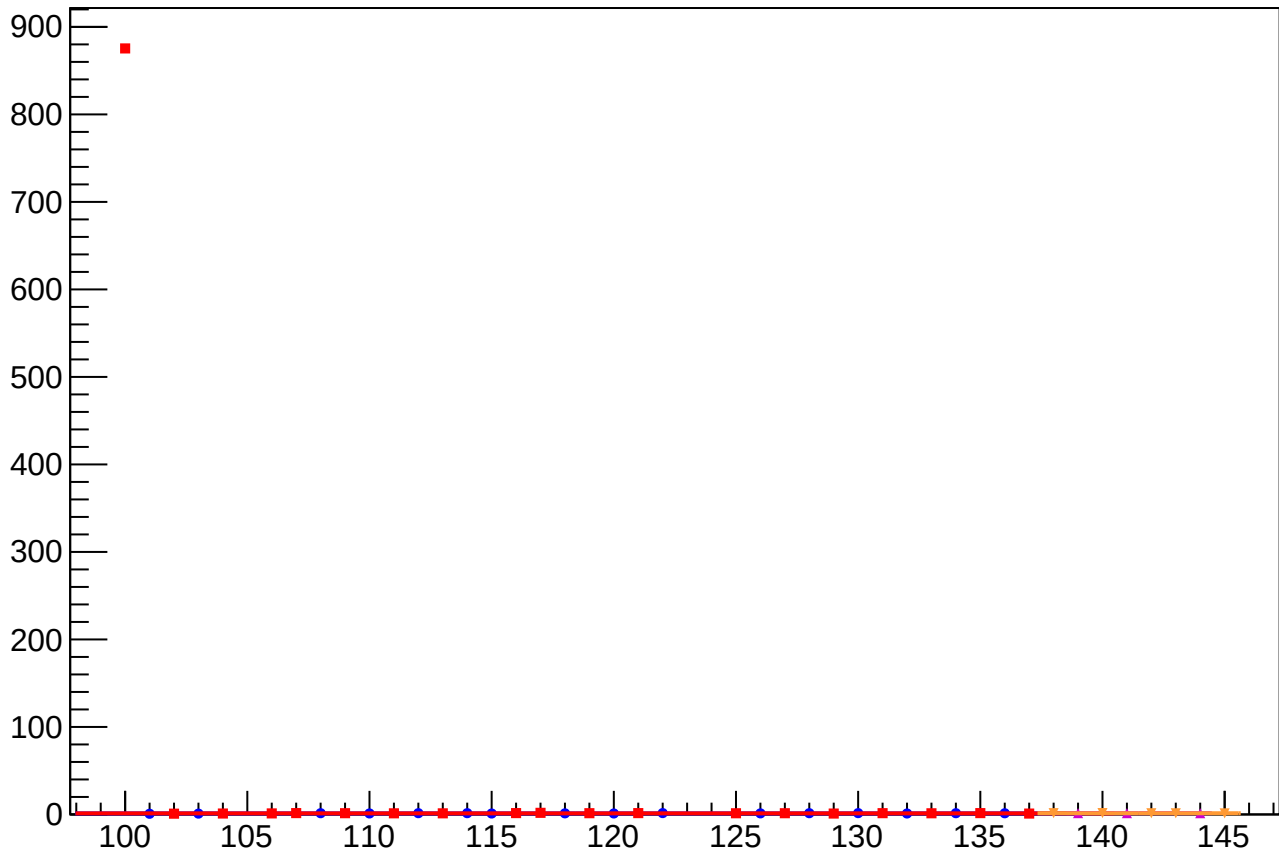
Right Out: -0.051 ± 0.520 χ^2/NDF : 9.8/18

Left In: -0.276 ± 1.012 χ^2/NDF : 0.4/2

-0.069 ± 0.428 χ^2/NDF : 26.7/20

-0.098 ± 0.462 χ^2/NDF : 10.2/21

asym_ds_avg_correction_rms vs Slug



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

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

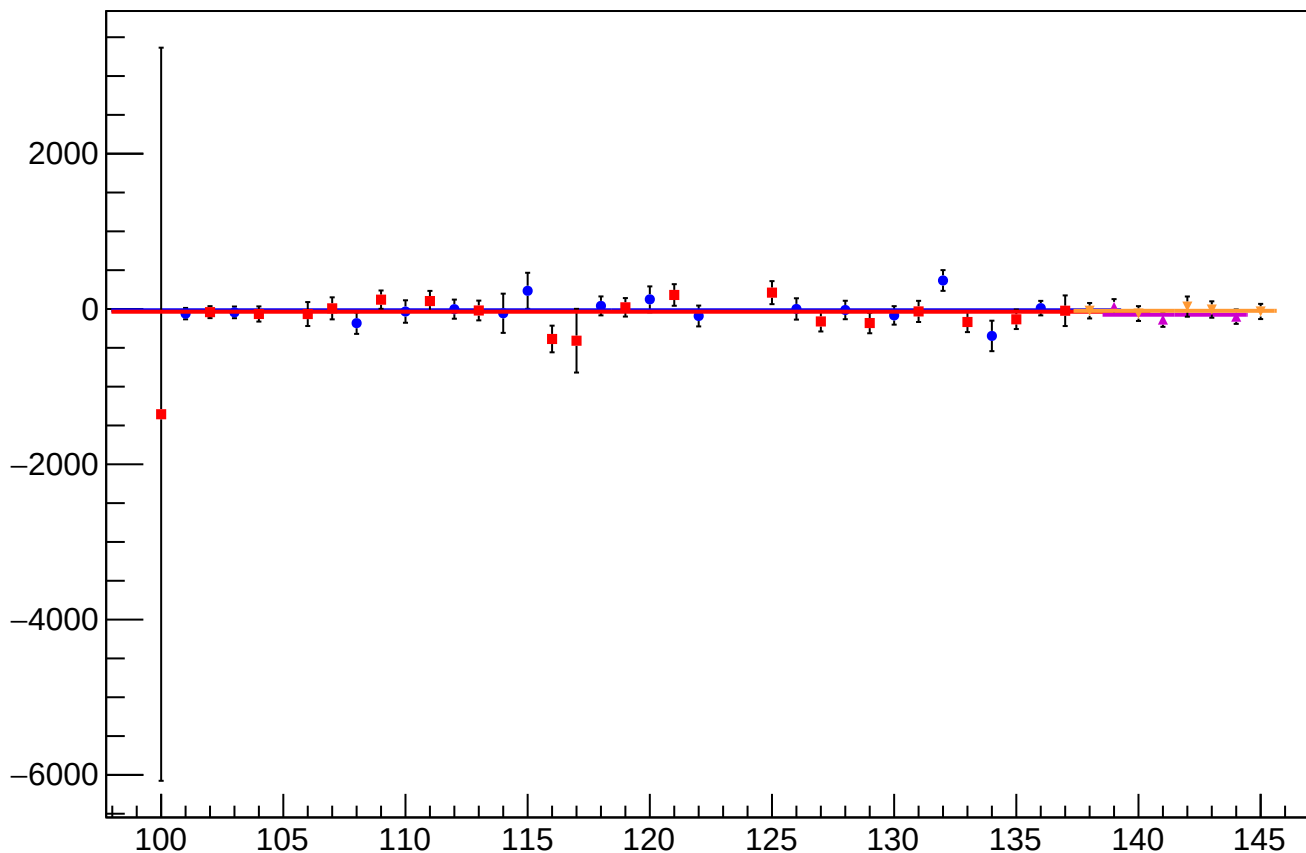
Right Out: 1.249 $\pm$ 0.000 χ^2 /NDF: 526097.8/18

Left In: 1.478 $\pm$ 0.001 χ^2 /NDF: 2258.9/2

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

1.297 $\pm$ 0.000 χ^2 /NDF: 609121.4/21

asym_ds_avg_mean vs Slug



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

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

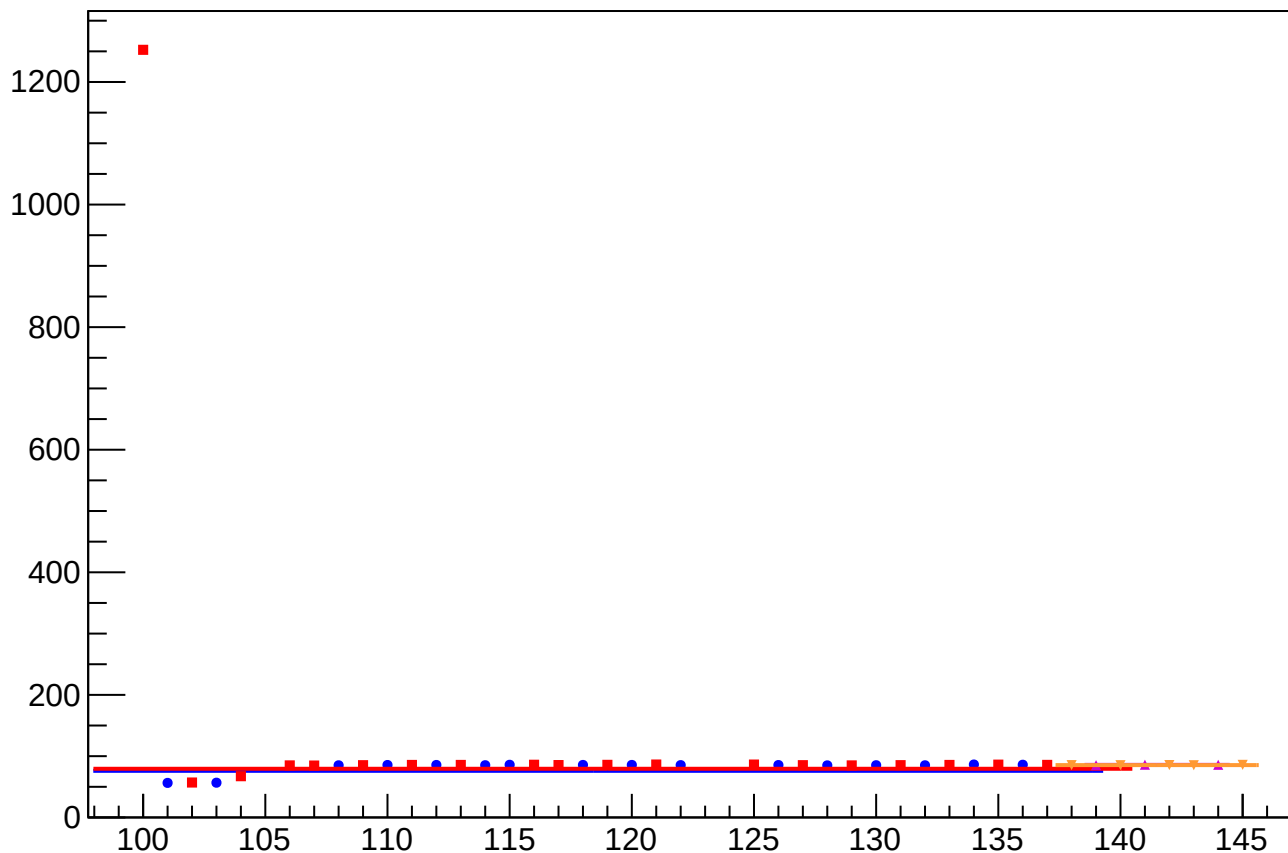
Right Out: -35.172+/-30.371 χ^2 /NDF: 17.4/18

Left In: -73.686+/-55.047 χ^2 /NDF:1.5/2

-18.363+/-25.199 χ^2 /NDF: 16.2/20

-44.160+/-26.592 χ^2 /NDF: 19.3/21

asym_ds_avg_rms vs Slug



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

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

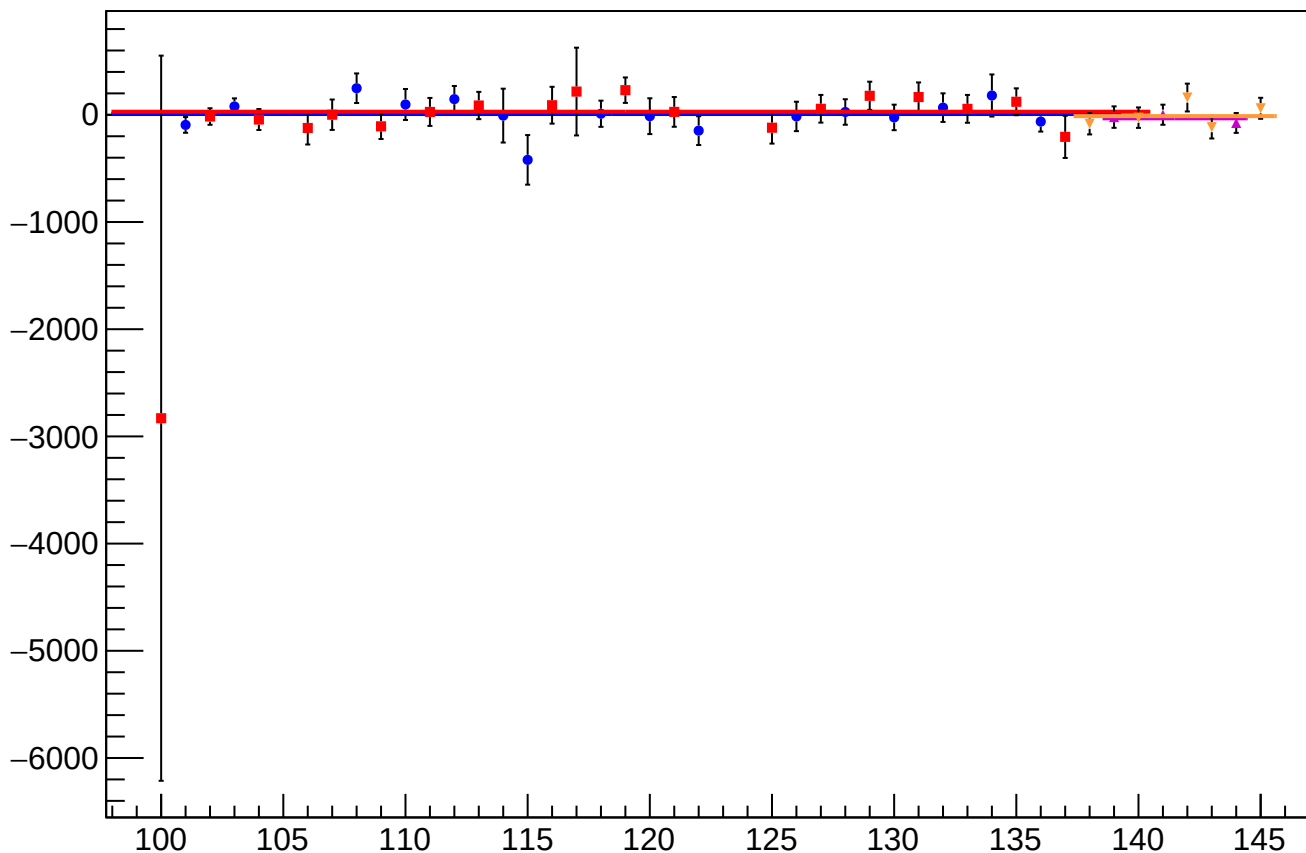
Right Out: 79.426+/-0.021 χ^2 /NDF: 385484.8/18

Left In: 85.795+/-0.039 χ^2 /NDF:73.3/2

78.843+/-0.018 χ^2 /NDF: 466142.4/20

80.913+/-0.019 χ^2 /NDF: 406080.0/21

reg_asym_ds_dd_mean vs Slug



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

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

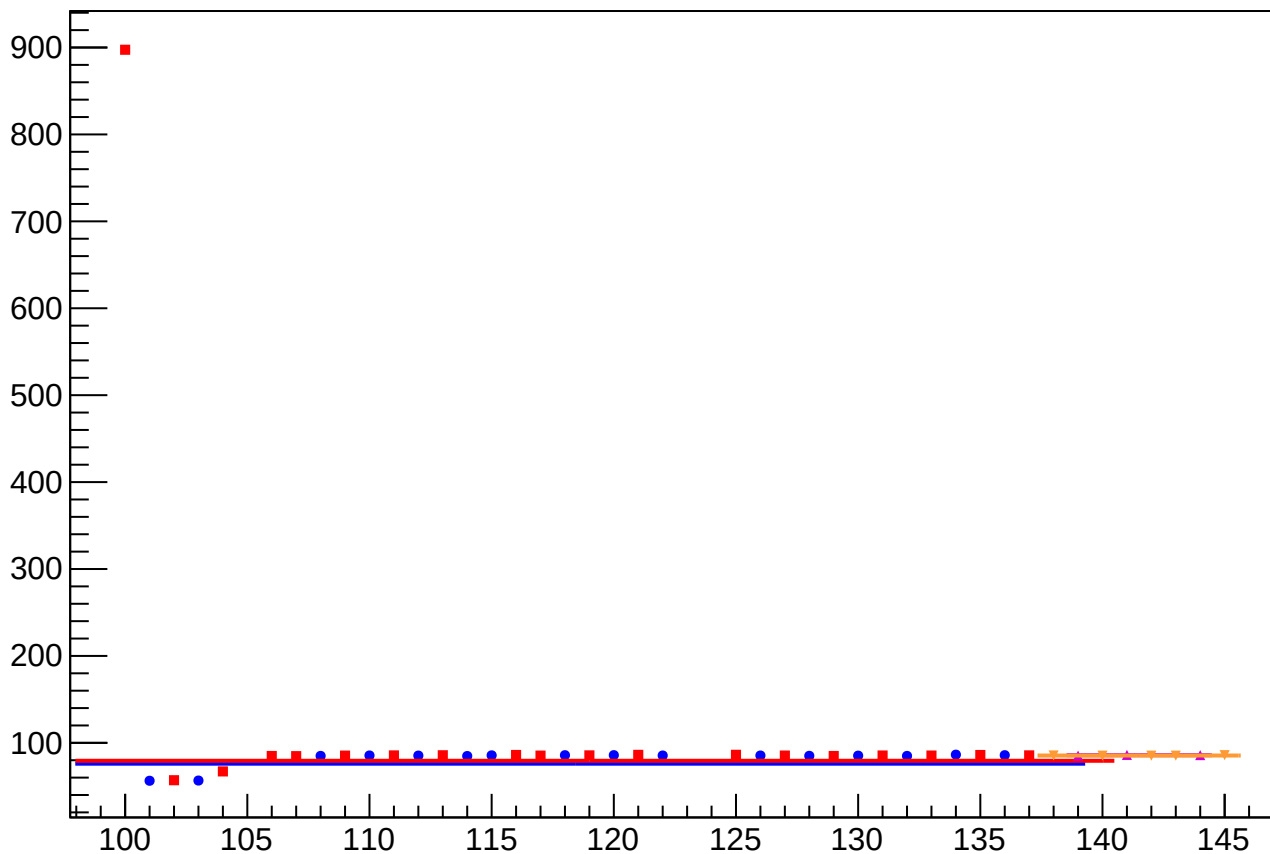
Right Out: 28.958+/-30.344 χ^2 /NDF: 12.7/18

Left In: -32.805+/-55.058 χ^2 /NDF:0.4/2

1.700+/-25.182 χ^2 /NDF: 17.9/20

14.569+/-26.575 χ^2 /NDF: 14.0/21

reg_asym_ds_dd_rms vs Slug



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

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

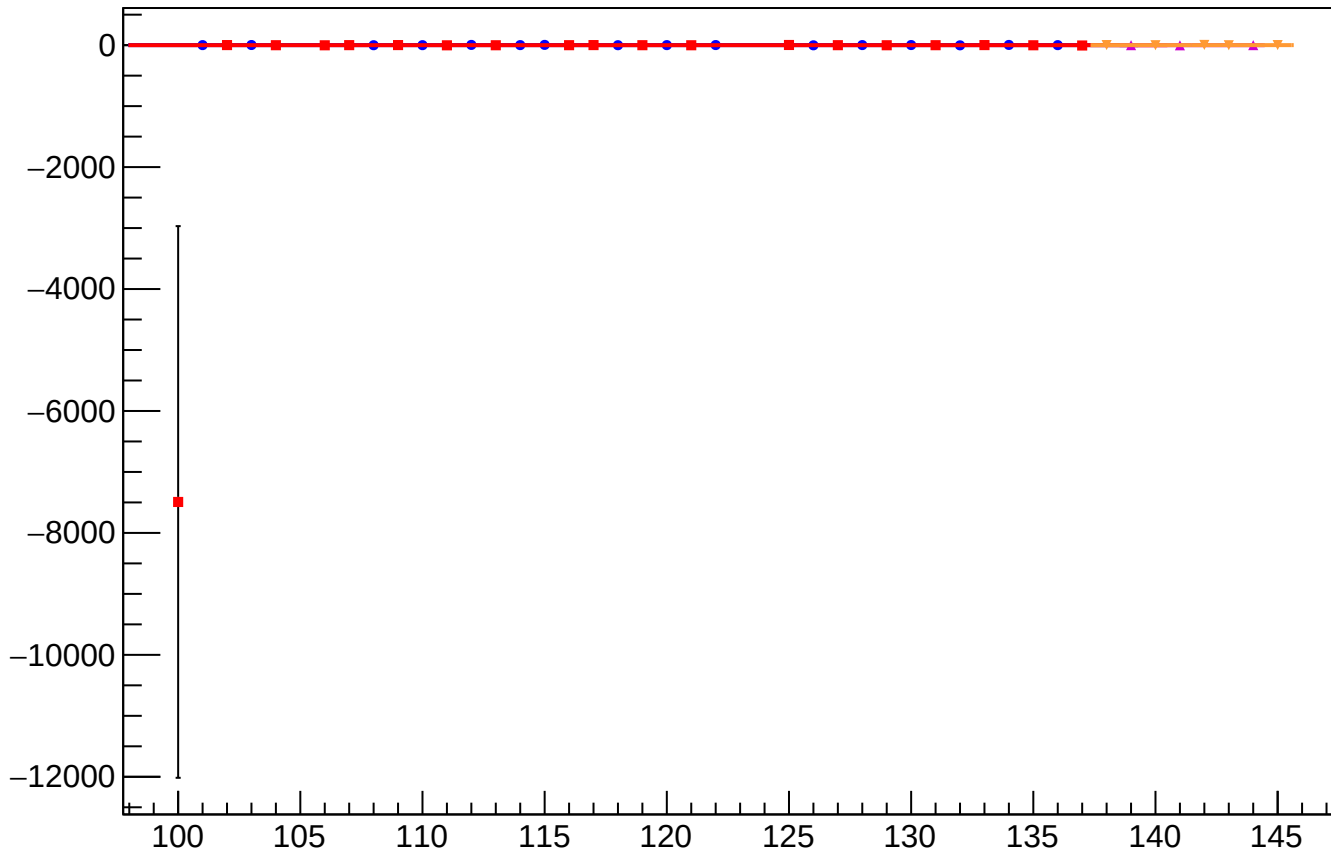
Right Out: 79.375 $\pm$ 0.021 χ^2 /NDF: 378794.5/18

Left In: 85.812 $\pm$ 0.039 χ^2 /NDF: 72.5/2

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

80.874 $\pm$ 0.019 χ^2 /NDF: 399838.7/21

asym_ds_dd_correction_mean vs Slug



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

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

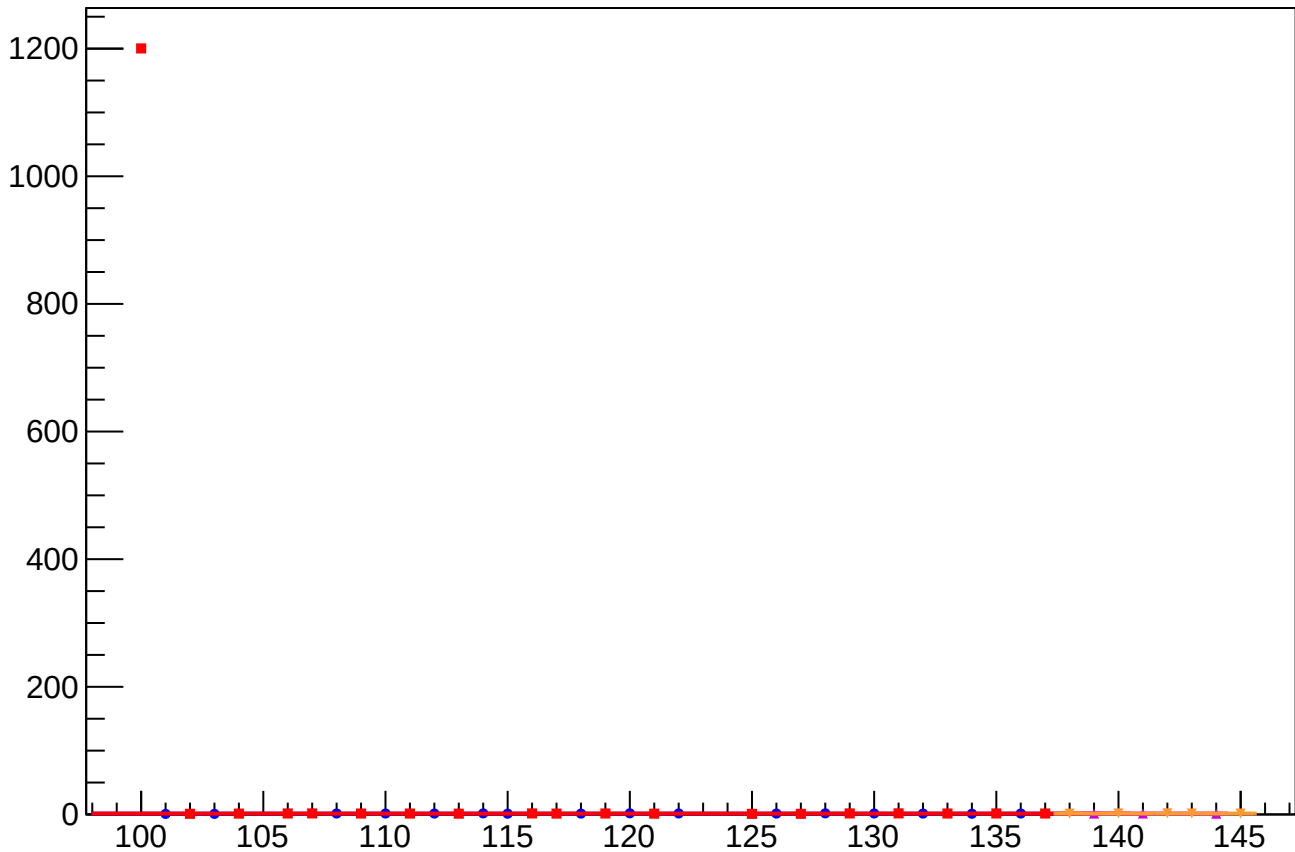
Right Out: -0.304 ± 0.547 χ^2/NDF : 12.6/18

Left In: -0.477 ± 0.971 χ^2/NDF : 1.6/2

0.792 ± 0.450 χ^2/NDF : 15.5/20

-0.345 ± 0.476 χ^2/NDF : 14.3/21

asym_ds_dd_correction_rms vs Slug



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

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

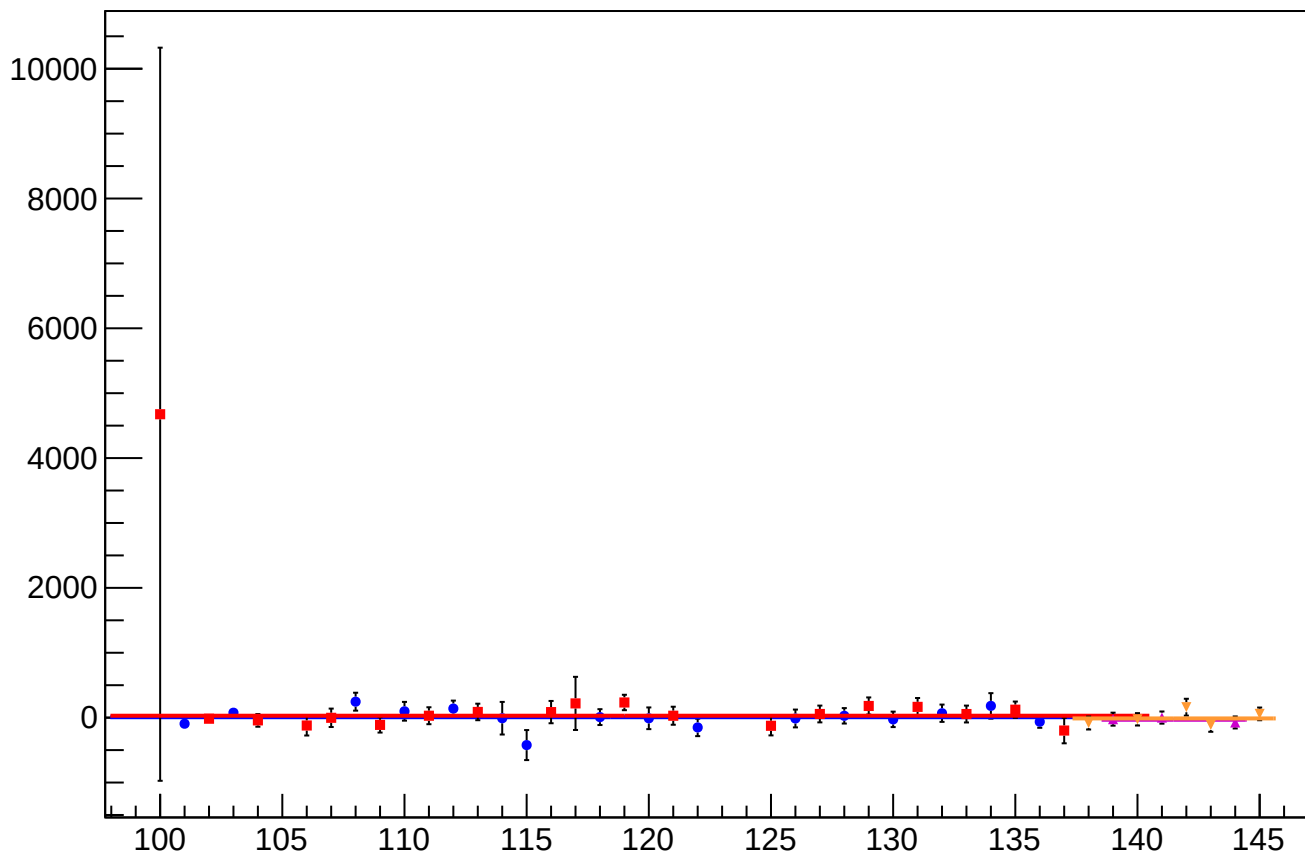
Right Out: 1.318+/-0.000 χ^2/NDF : 521623.7/18

Left In: 1.383+/-0.001 χ^2/NDF : 31331.1/2

1.298+/-0.000 χ^2/NDF : 807098.0/20

1.333+/-0.000 χ^2/NDF : 559810.8/21

asym_ds_dd_mean vs Slug



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

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

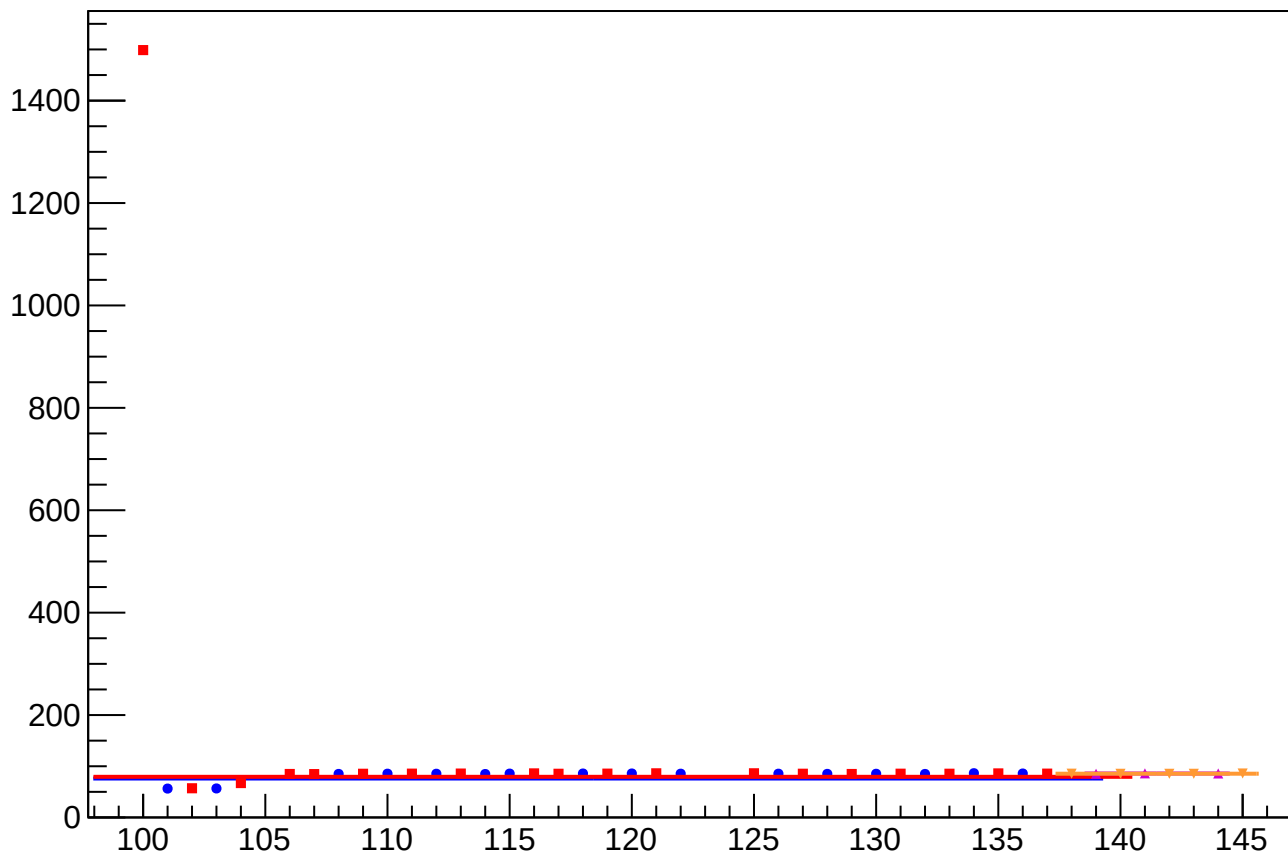
Right Out: 29.600+/-30.353 χ^2/NDF : 12.9/18

Left In: -32.801+/-55.074 χ^2/NDF : 0.3/2

1.241+/-25.189 χ^2/NDF : 17.7/20

15.061+/-26.583 χ^2/NDF : 14.2/21

asym_ds_dd_rms vs Slug



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

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

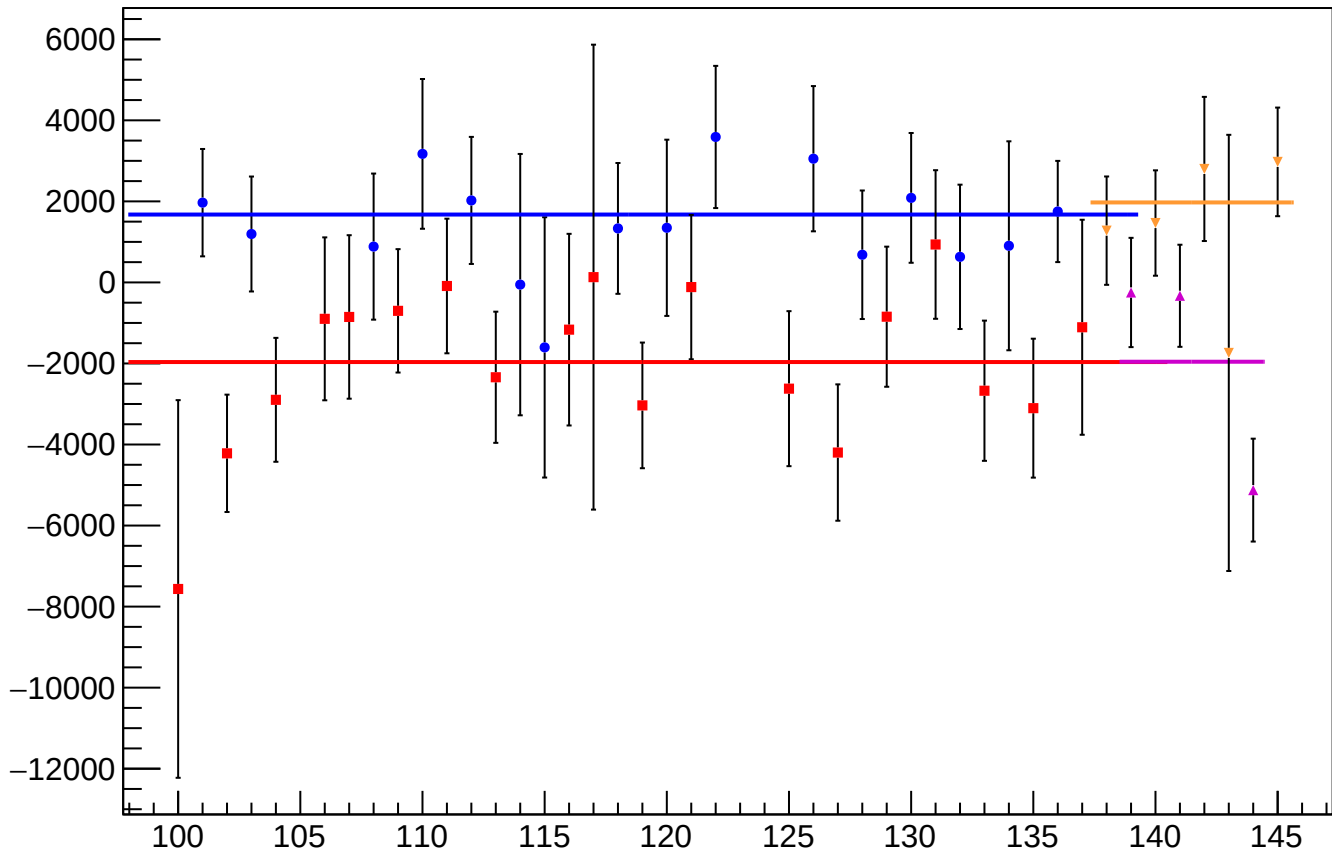
Right Out: 79.371+/-0.021 χ^2/NDF : 388057.0/18

Left In: 85.836+/-0.039 χ^2/NDF : 72.5/2

78.813+/-0.018 χ^2/NDF : 466736.2/20

80.877+/-0.019 χ^2/NDF : 409264.8/21

reg_asym_usl_mean vs Slug



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

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

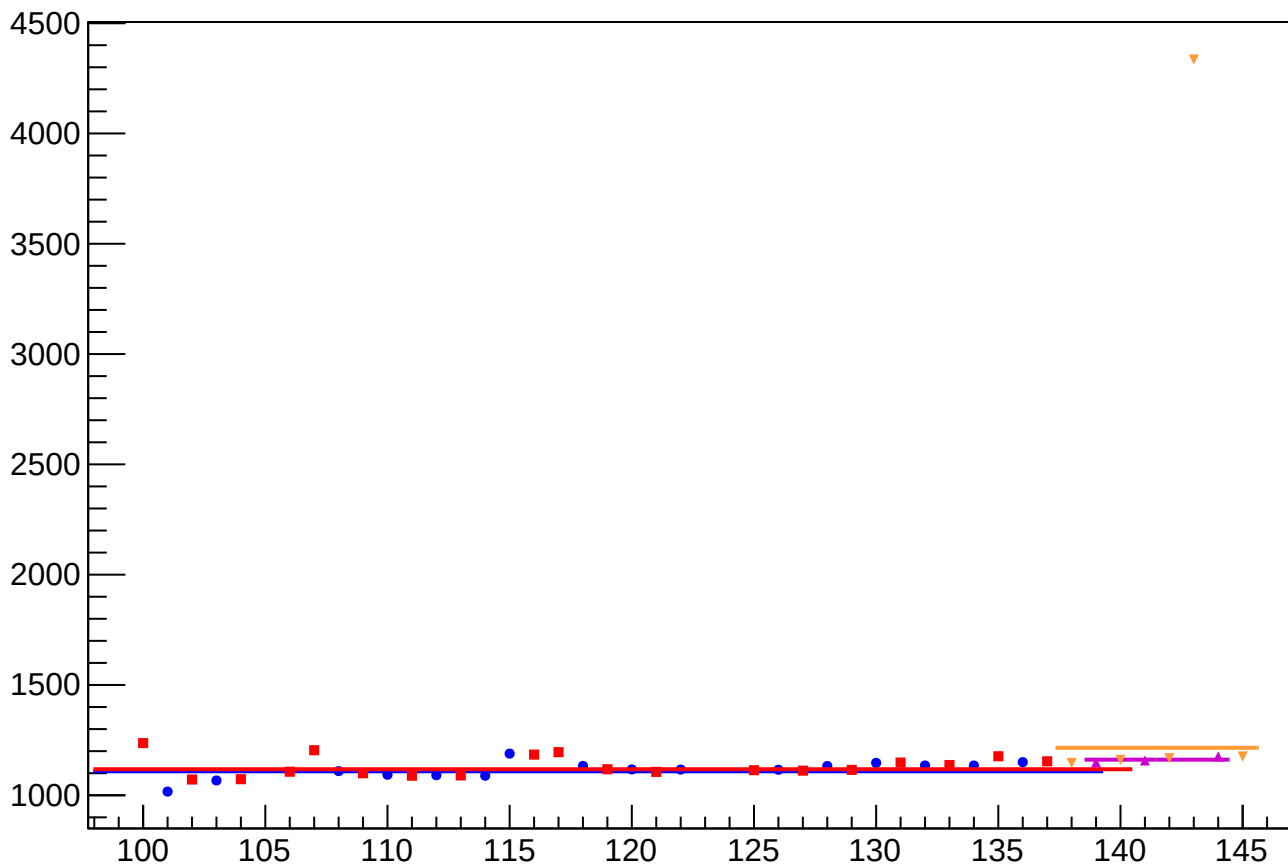
Right Out: -1964.936 $\pm$ 421.265 χ^2 /NDF: 14.2/18

Left In: -1957.234 $\pm$ 745.227 χ^2 /NDF: 9.5/2

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

-1963.071 $\pm$ 366.727 χ^2 /NDF: 23.7/21

reg_asym_usl_rms vs Slug



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

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

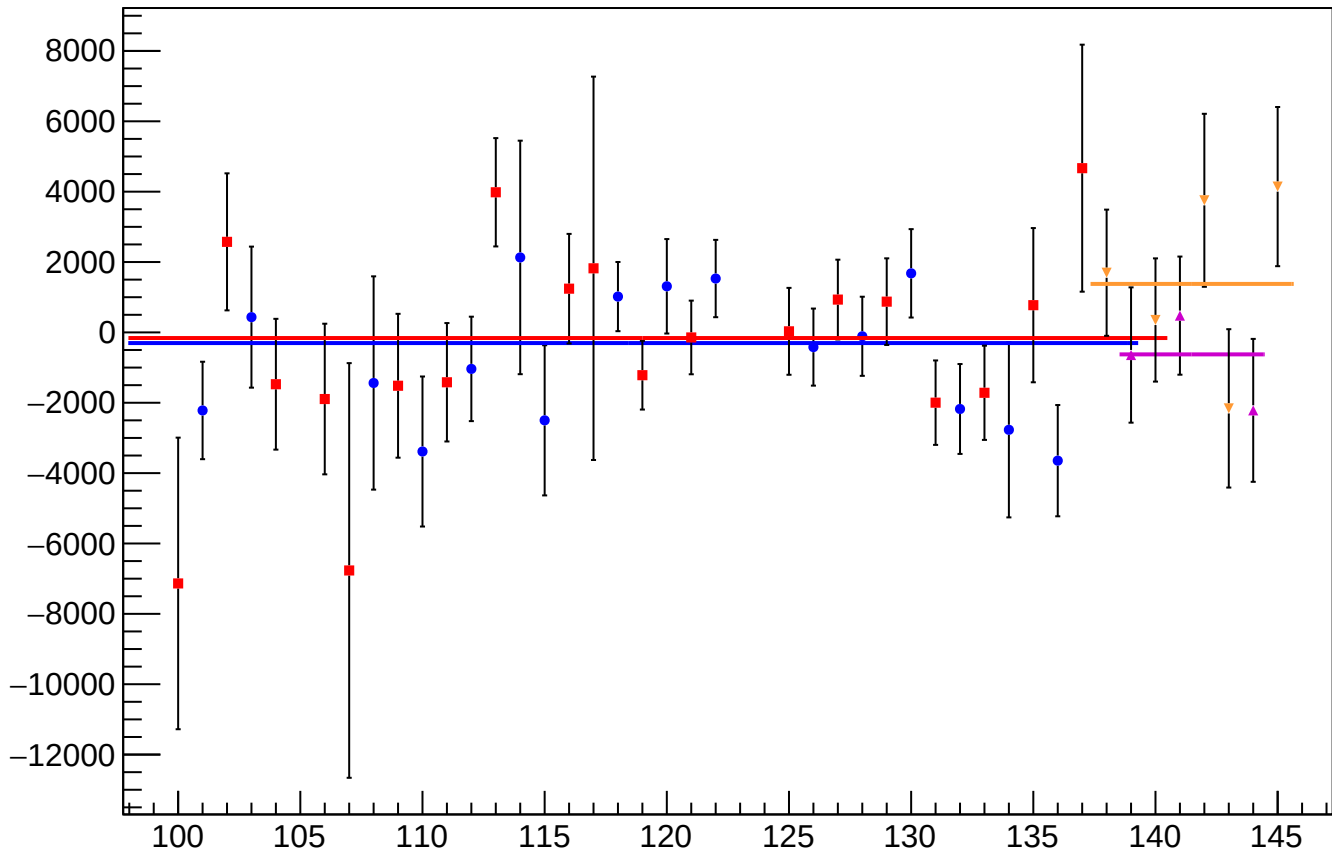
Right Out: 1117.959+/-0.298 χ^2/NDF : 15881.8/18

Left In: 1161.434+/-0.527 χ^2/NDF : 467.0/2

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

1128.487+/-0.259 χ^2/NDF : 21507.1/21

asym_usl_correction_mean vs Slug



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

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

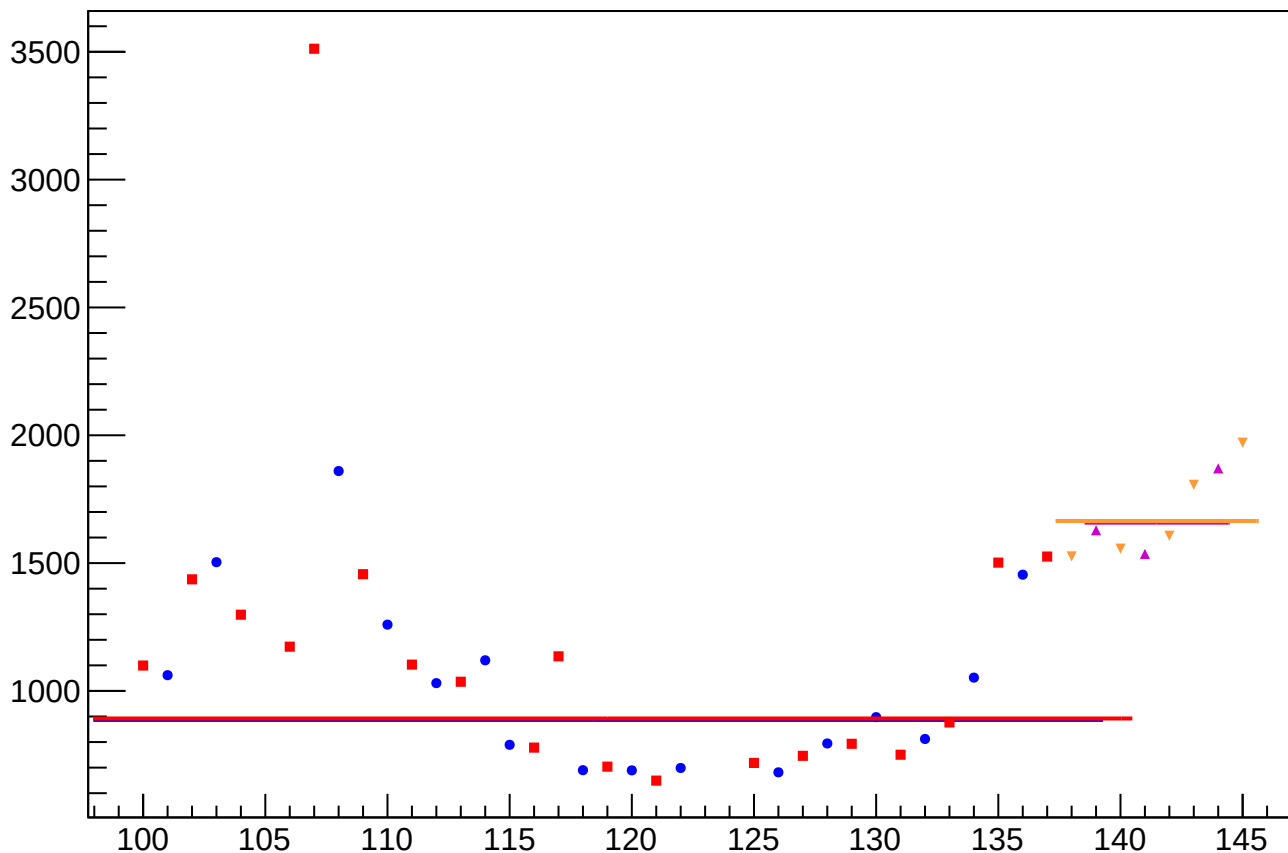
Right Out: -160.376+/-355.478 χ^2/NDF : 25.0/18

Left In: -624.742+/-1073.581 χ^2/NDF : 1.0/2

-77.774+/-335.044 χ^2/NDF : 30.5/20

-206.257+/-337.460 χ^2/NDF : 26.2/21

asym_usl_correction_rms vs Slug



Right In: 886.691 ± 0.255 $\chi^2/\text{NDF}: 1060864.2/15$

Left Out: 1664.743 ± 0.647 $\chi^2/\text{NDF}: 65238.5/4$

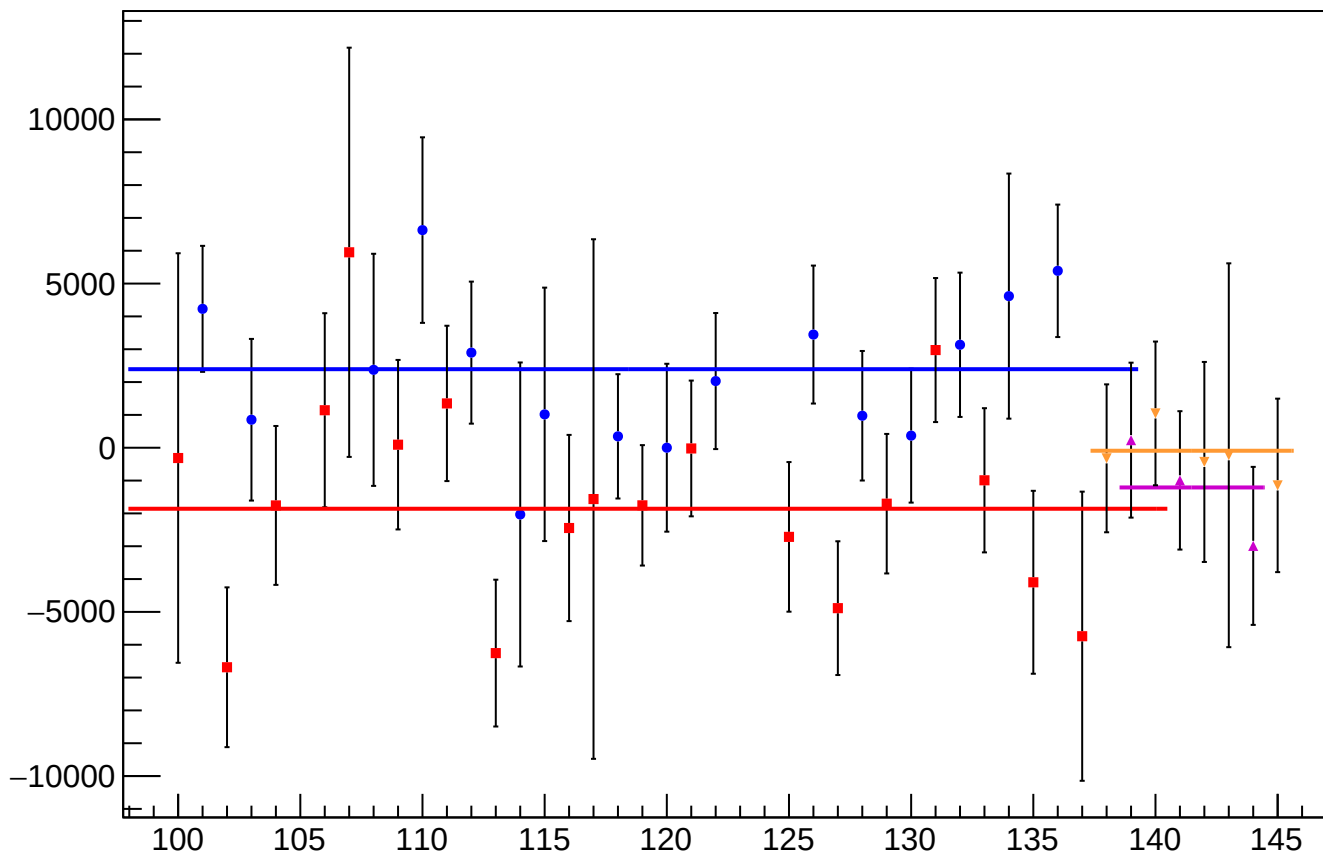
Right Out: 892.236 ± 0.251 $\chi^2/\text{NDF}: 1418185.6/18$

Left In: 1658.310 ± 0.759 $\chi^2/\text{NDF}: 32923.0/2$

991.079 ± 0.237 $\chi^2/\text{NDF}: 2379017.2/20$

967.927 ± 0.239 $\chi^2/\text{NDF}: 2368852.0/21$

asym_usl_mean vs Slug



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

Left Out: -91.687 ± 1207.234 $\chi^2/\text{NDF}: 0.5/4$

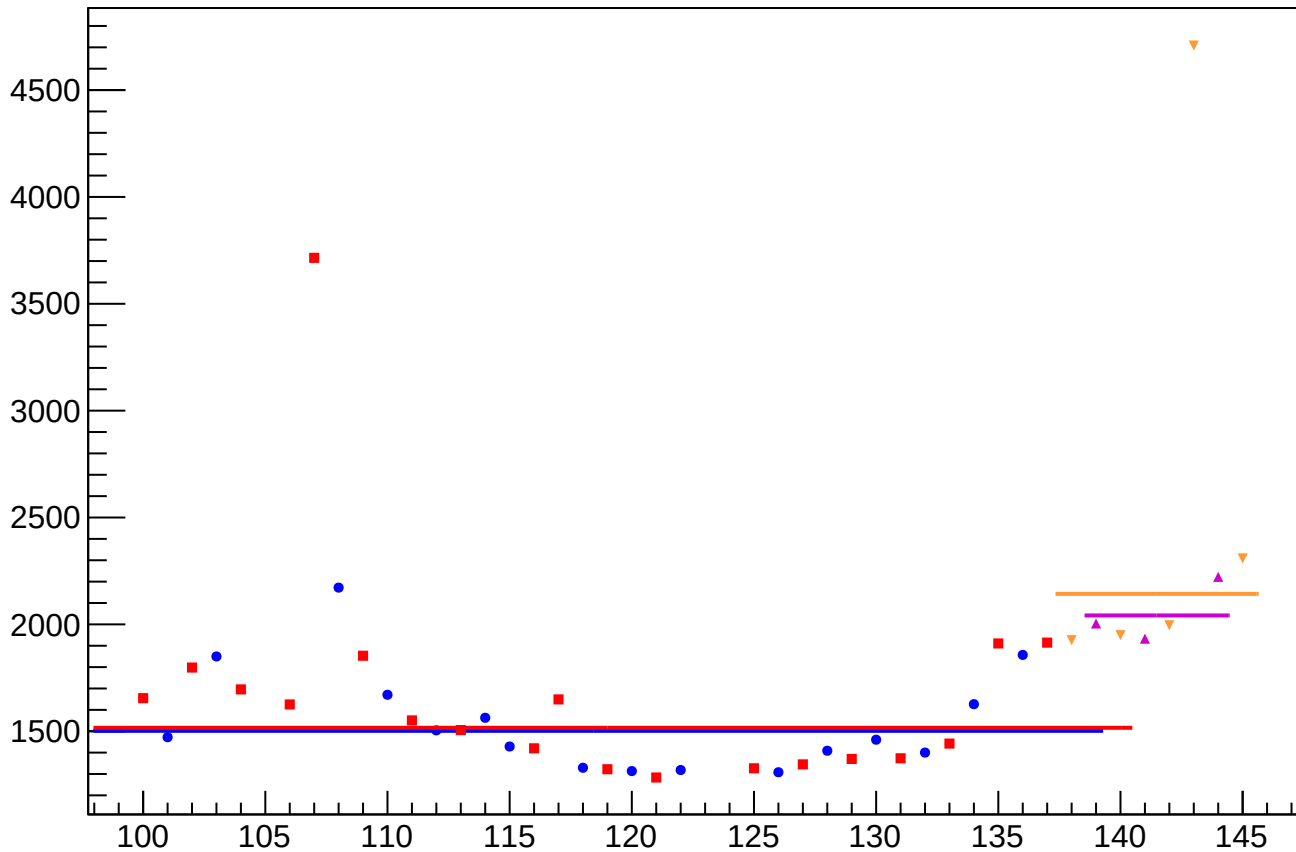
Right Out: -1858.263 ± 581.542 $\chi^2/\text{NDF}: 22.5/18$

Left In: -1209.708 ± 1315.957 $\chi^2/\text{NDF}: 0.9/2$

1914.782 ± 529.350 $\chi^2/\text{NDF}: 15.0/20$

-1752.300 ± 531.918 $\chi^2/\text{NDF}: 23.6/21$

asym_usl_rms vs Slug



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

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

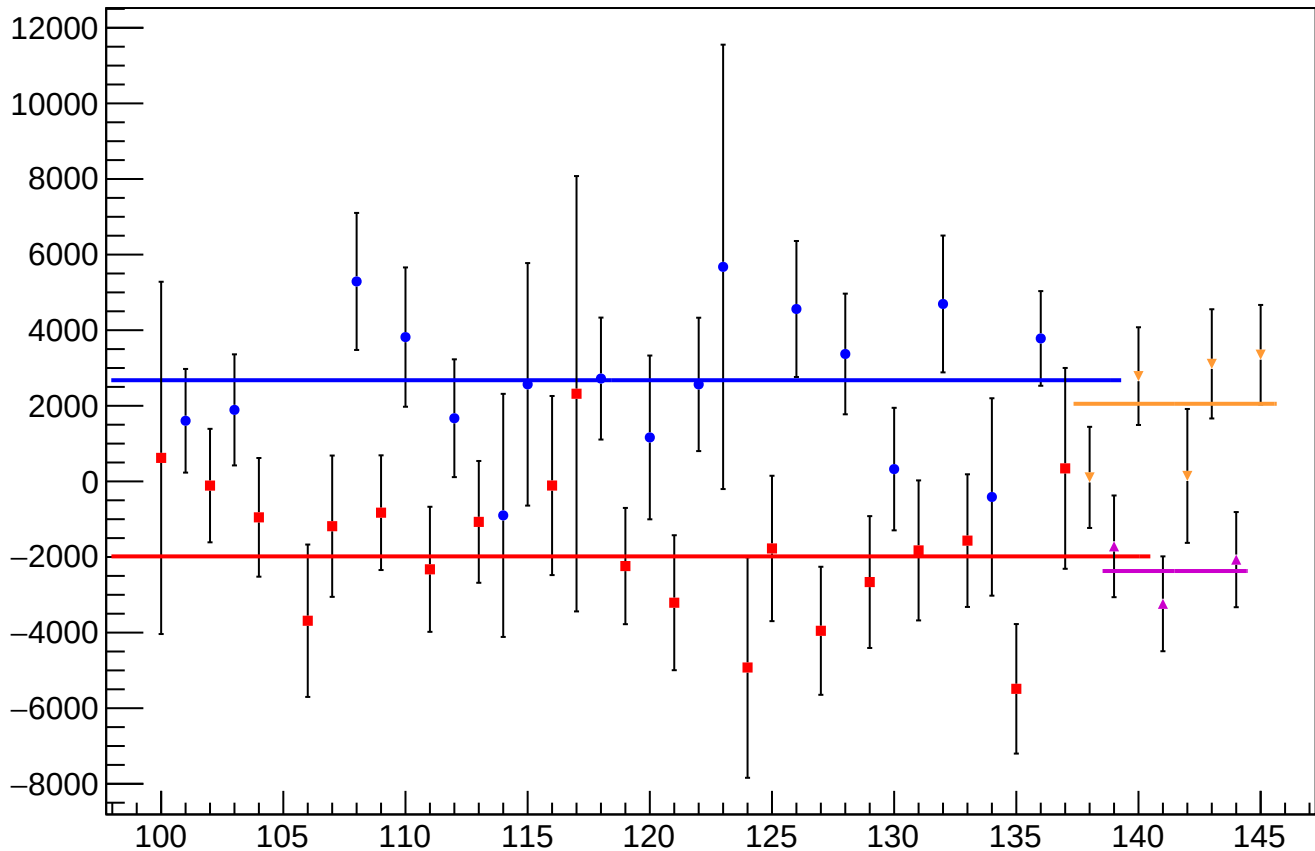
Right Out: 1516.127+/-0.411 χ^2/NDF : 480325.9/18

Left In: 2041.711+/-0.931 χ^2/NDF : 17091.3/2

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

1601.998+/-0.376 χ^2/NDF : 764323.0/21

reg_asym_usr_mean vs Slug



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

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

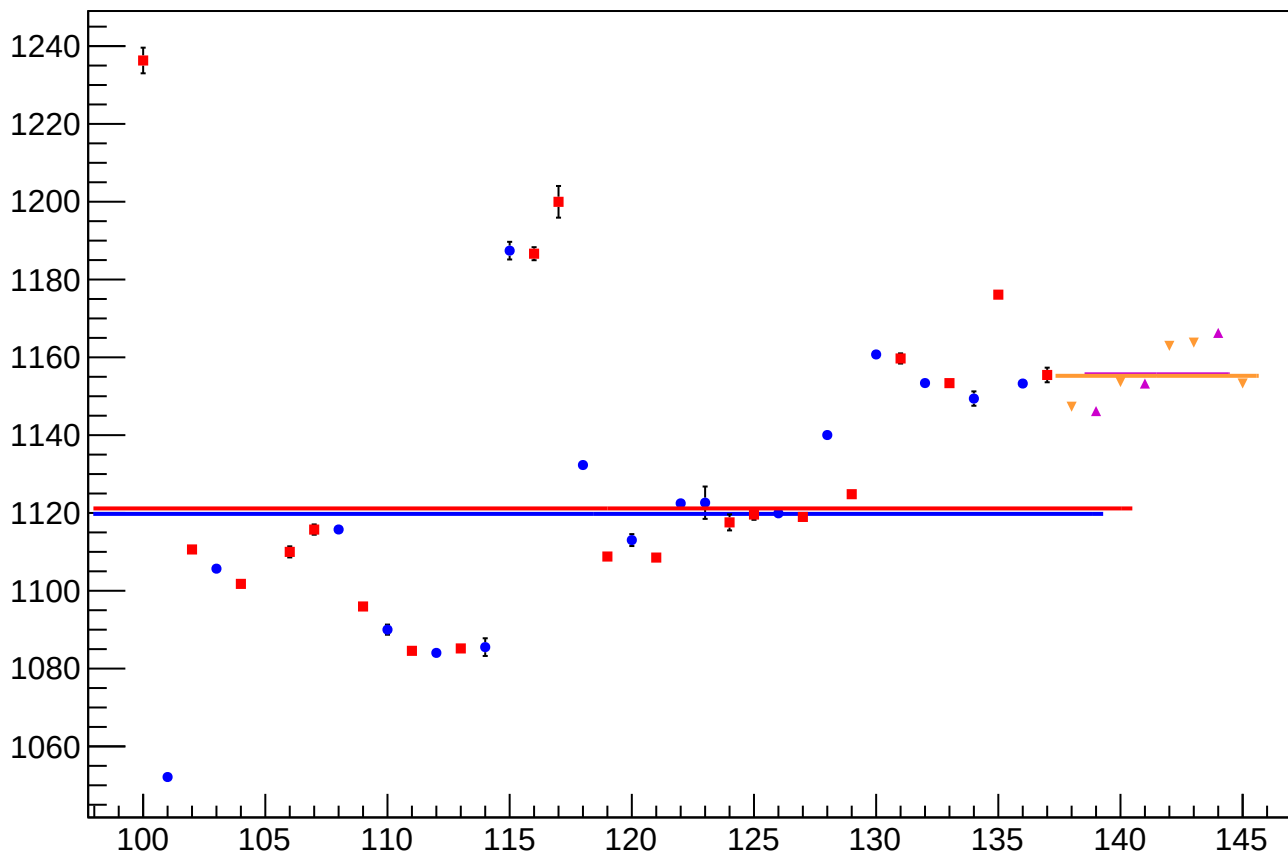
Right Out: -1983.779 ± 418.059 χ^2/NDF : 13.4/19

Left In: -2370.685 ± 741.483 χ^2/NDF : 0.8/2

2475.520 ± 356.843 χ^2/NDF : 18.4/21

-2077.104 ± 364.165 χ^2/NDF : 14.3/22

reg_asym_usr_rms vs Slug



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

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

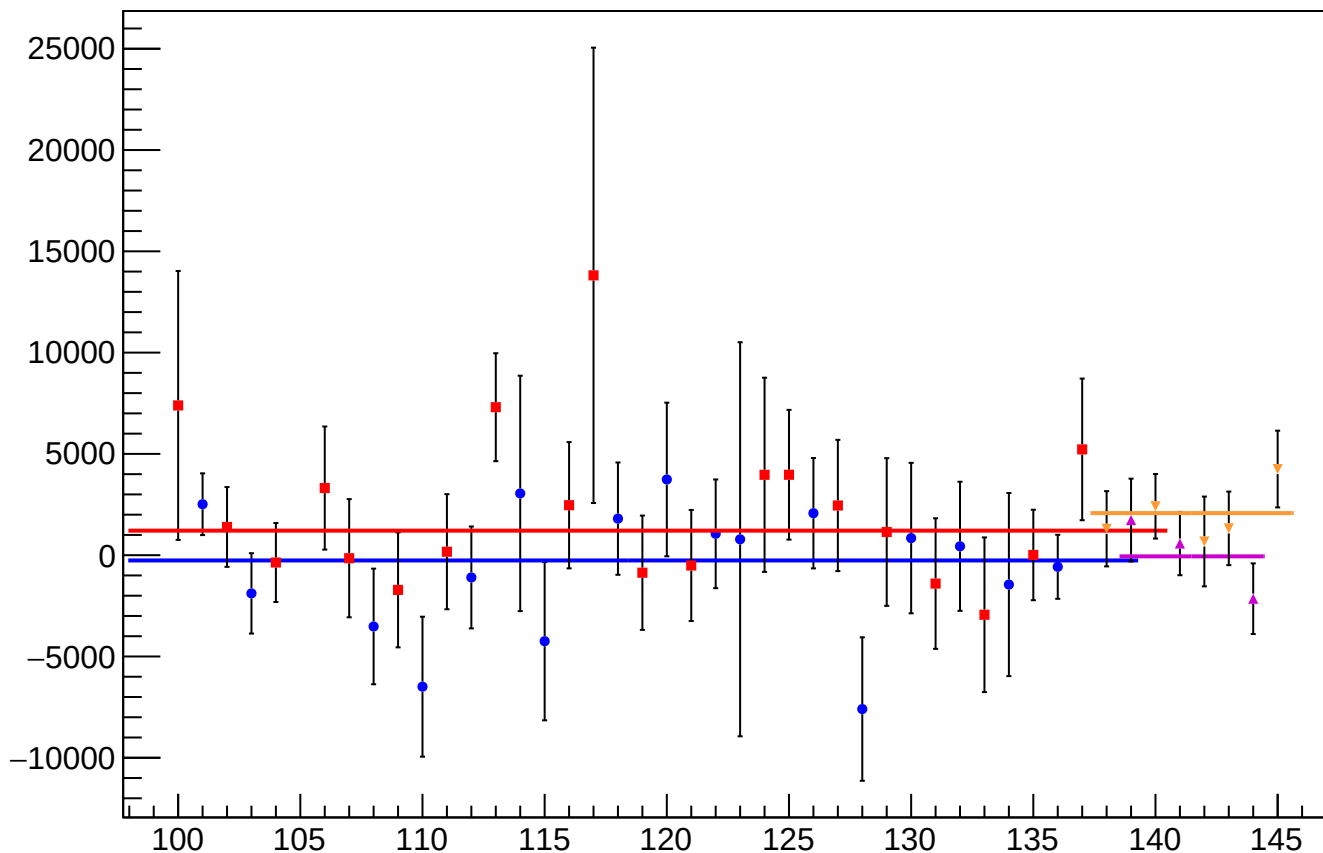
Right Out: 1121.164 $\pm$ 0.296 χ^2 /NDF: 10310.8/19

Left In: 1155.634 $\pm$ 0.524 χ^2 /NDF:248.9/2

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

1129.478 $\pm$ 0.258 χ^2 /NDF: 13839.3/22

asym_usr_correction_mean vs Slug



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

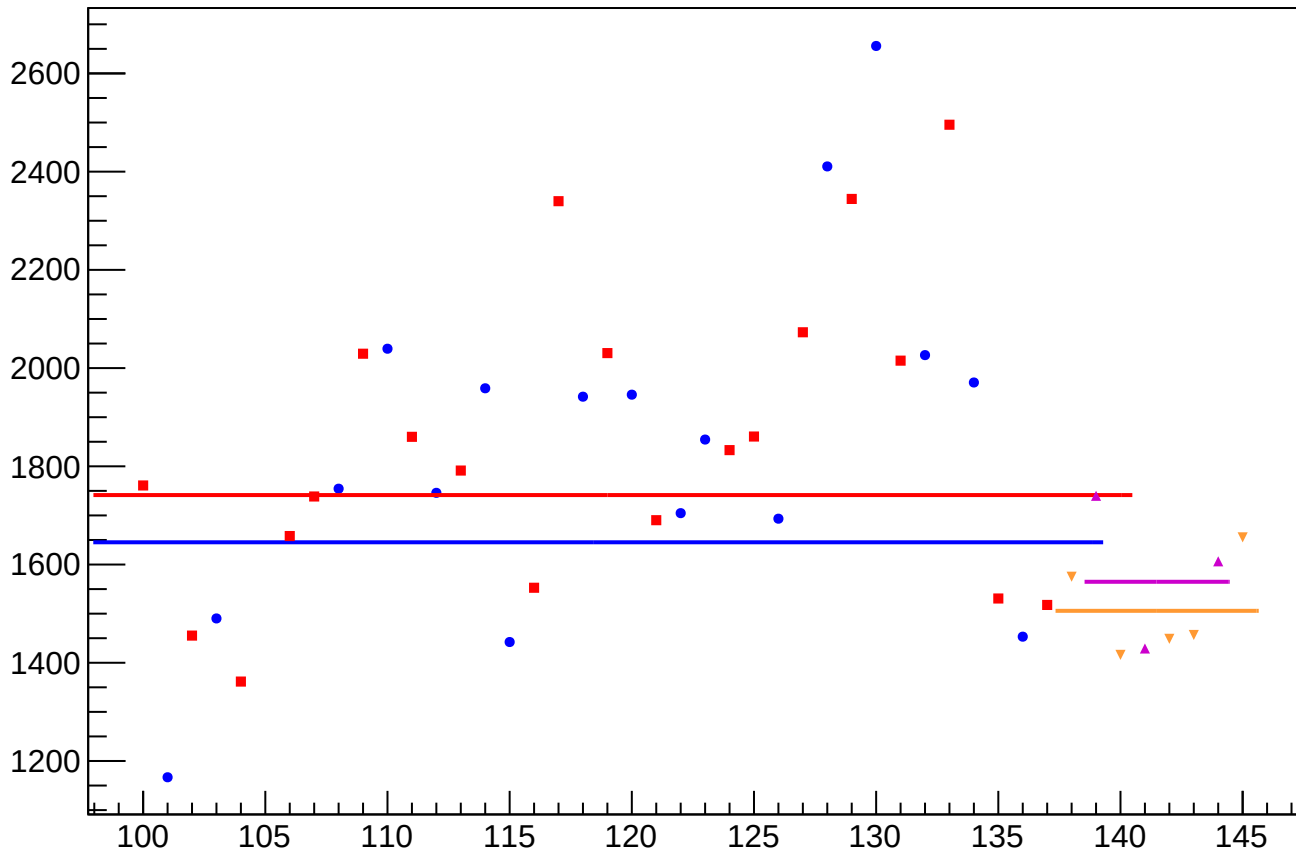
Left Out: 2077.861+/-825.034 χ^2/NDF : 2.1/4

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

Left In: -57.556+/-1011.453 χ^2/NDF : 2.4/2

644.420+/-513.123 χ^2/NDF : 24.2/21

831.399+/-553.485 χ^2/NDF : 19.1/22



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

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

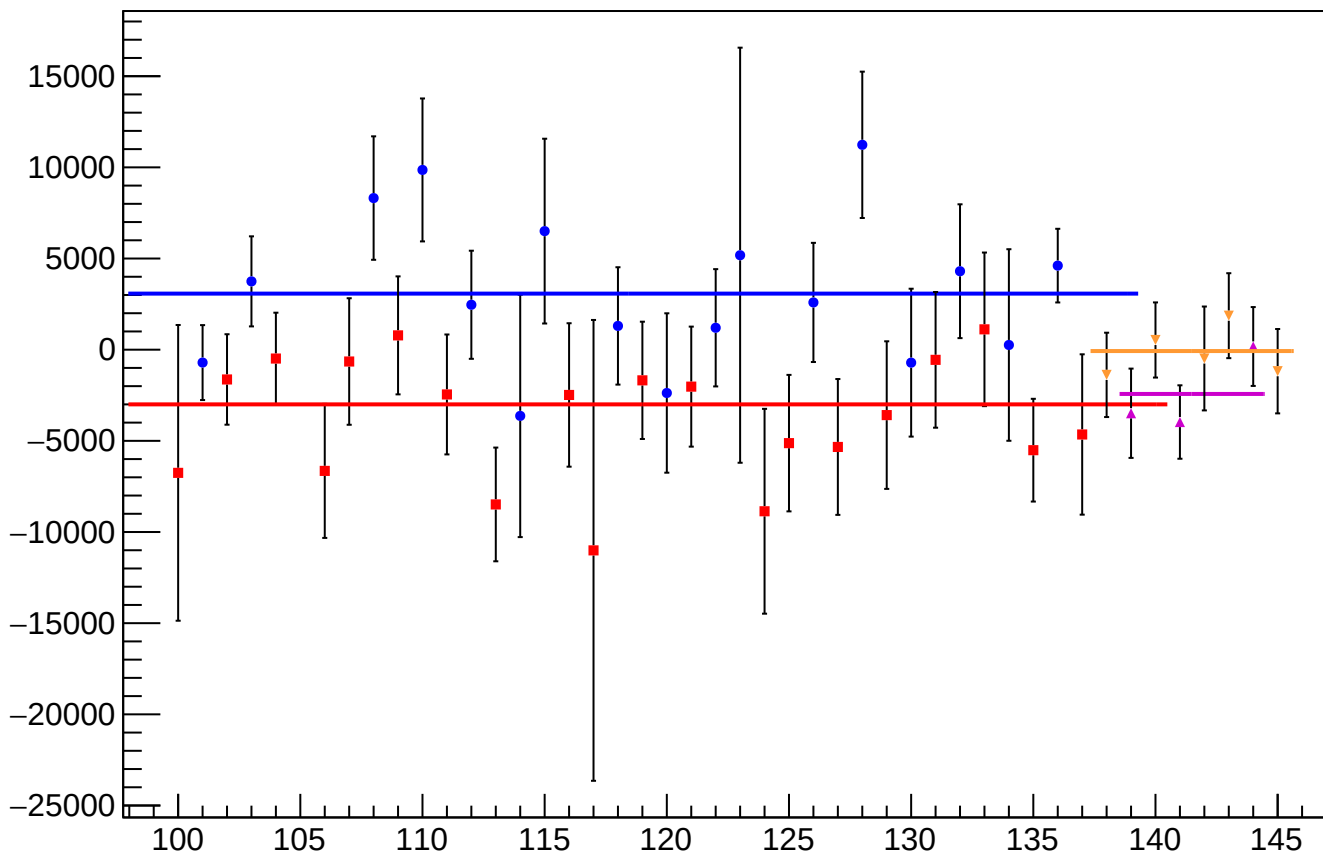
1591.330+/-0.363 χ^2/NDF : 660391.5/21

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

1688.588+/-0.391 χ^2/NDF : 450325.1/22

Left In: 1564.893+/-0.715 χ^2/NDF : 30925.4/2

asym_usr_mean vs Slug



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

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

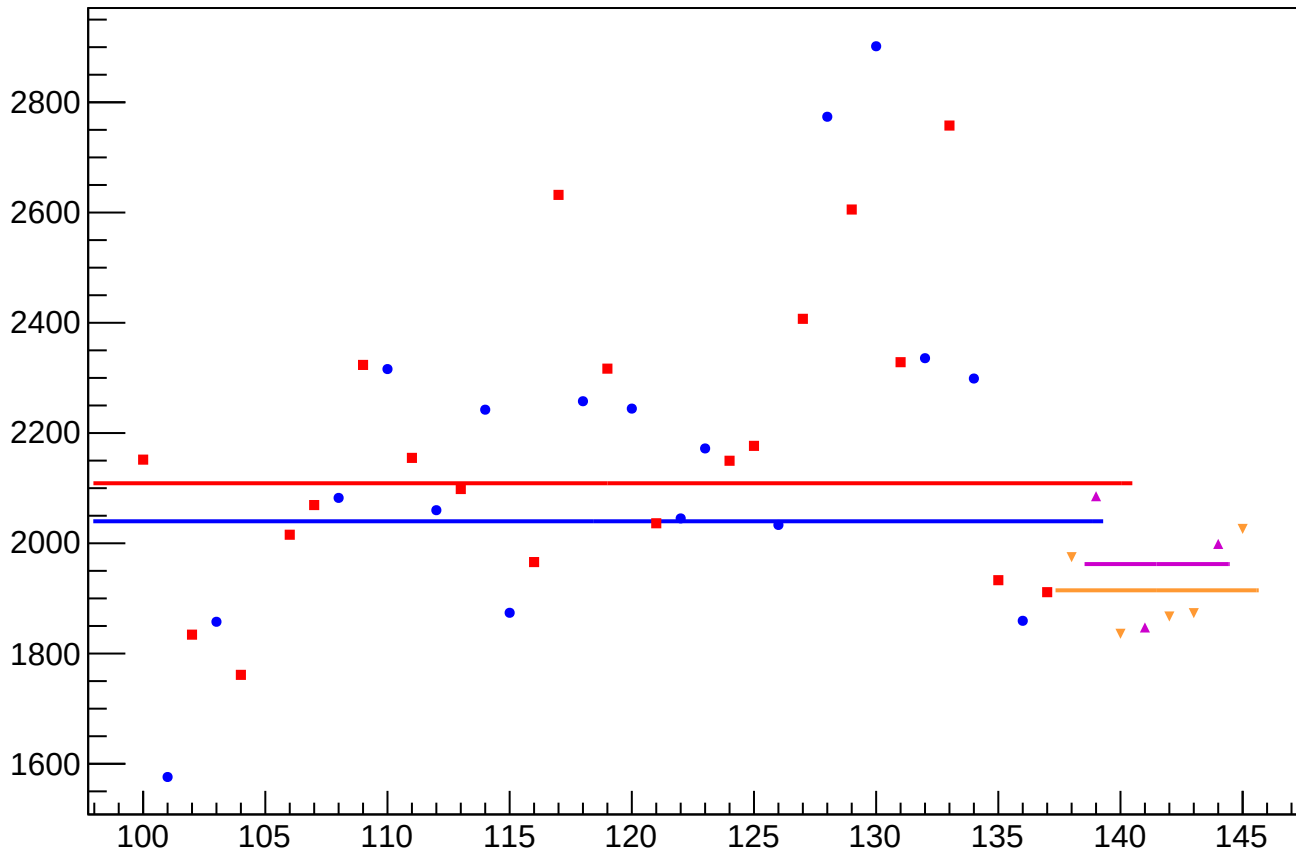
Right Out: -2999.277+/-794.066 χ^2/NDF : 12.3/19

Left In: -2427.682+/-1262.774 χ^2/NDF : 2.2/2

1906.271+/-636.220 χ^2/NDF : 25.7/21

-2837.303+/-672.208 χ^2/NDF : 14.6/22

asym_usr_rms vs Slug



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

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

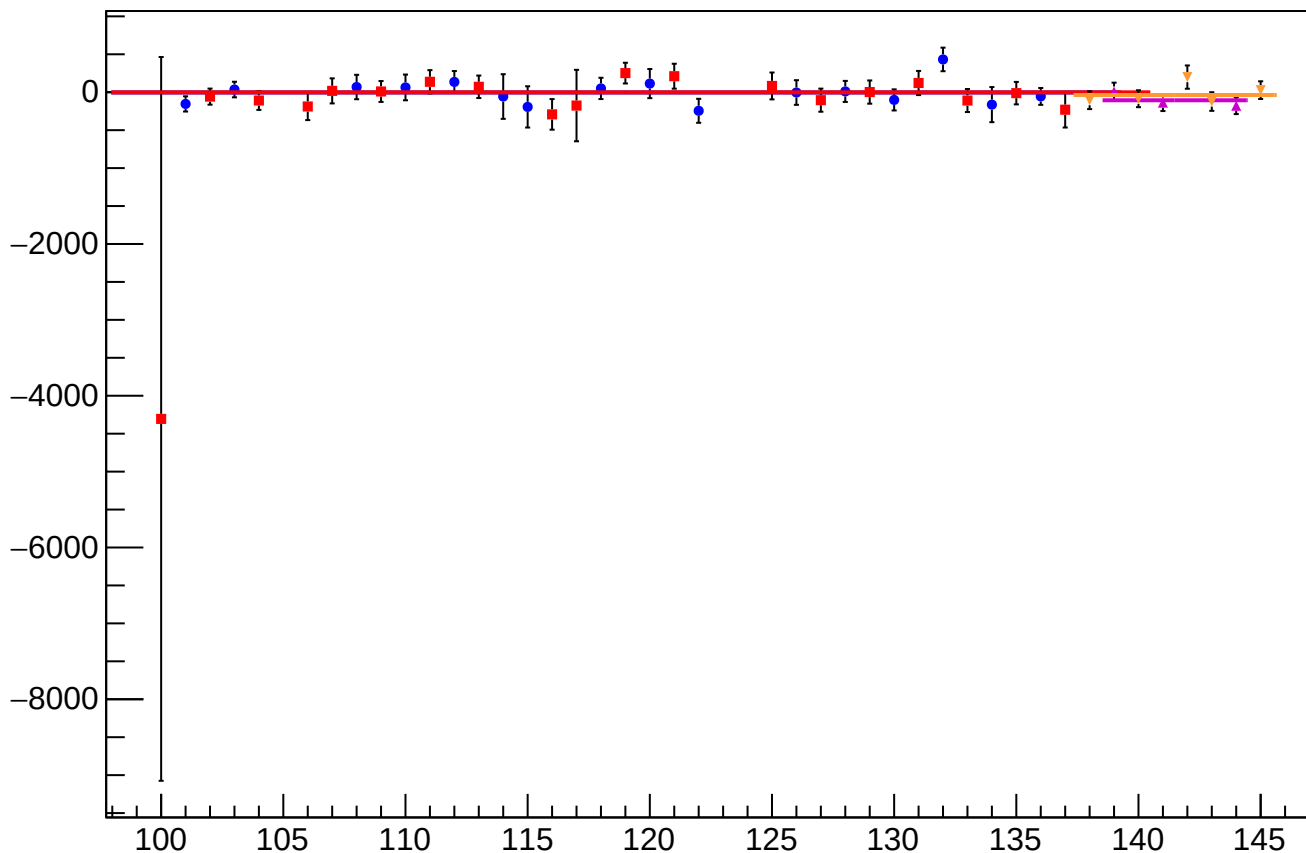
1993.462+/-0.450 χ^2/NDF : 360178.6/21

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

2067.365+/-0.475 χ^2/NDF : 230350.3/22

Left In: 1962.310+/-0.893 χ^2/NDF : 12145.1/2

reg_asym_dsl_mean vs Slug



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

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

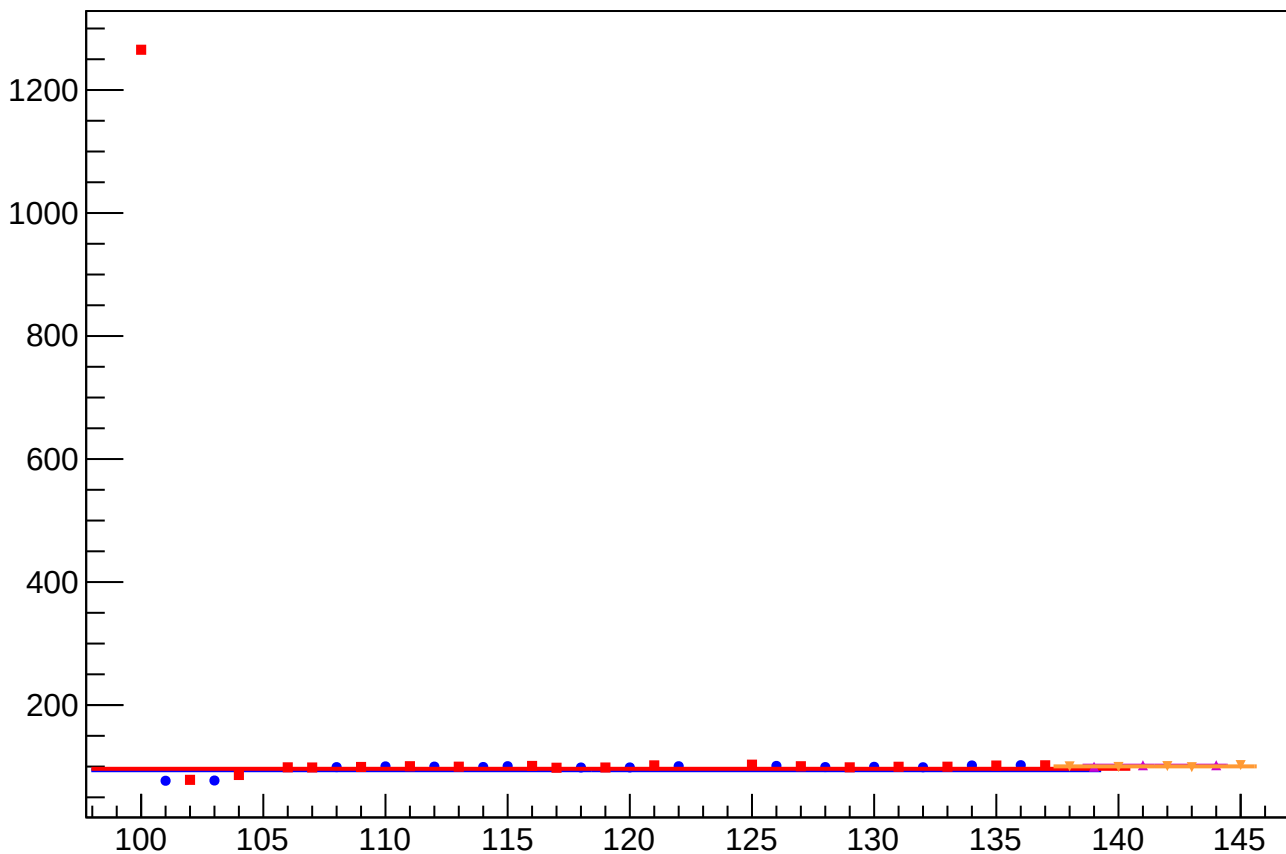
Right Out: -1.545+/-36.588 χ^2/NDF : 14.1/18

Left In: -106.177+/-65.113 χ^2/NDF : 1.5/2

-13.625+/-30.459 χ^2/NDF : 20.1/20

-26.654+/-31.897 χ^2/NDF : 17.5/21

reg_asym_dsl_rms vs Slug



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

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

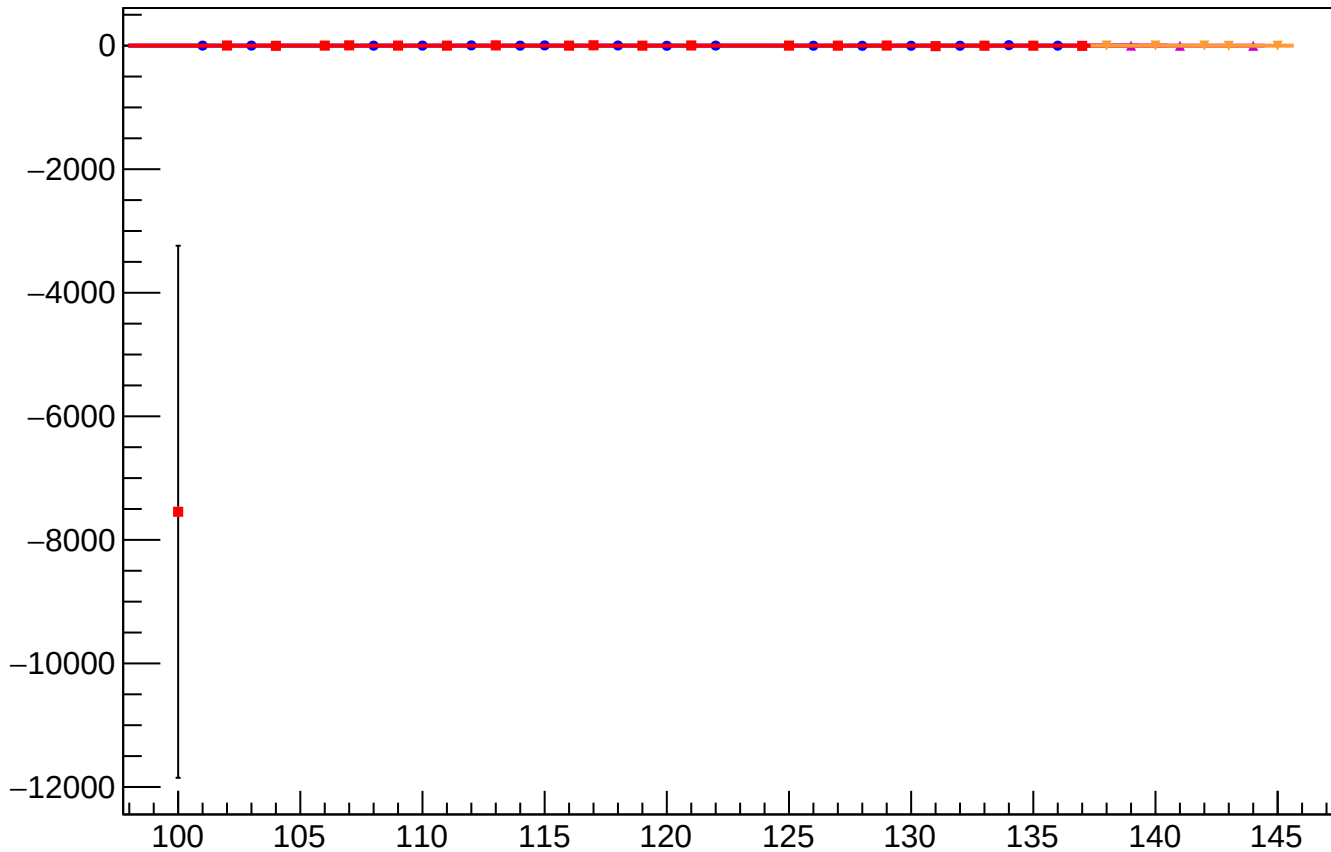
Right Out: 96.383+/-0.026 χ^2/NDF : 209255.3/18

Left In: 101.478+/-0.046 χ^2/NDF : 572.6/2

96.018+/-0.022 χ^2/NDF : 171388.4/20

97.605+/-0.023 χ^2/NDF : 219134.9/21

asym_dsl_correction_mean vs Slug



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

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

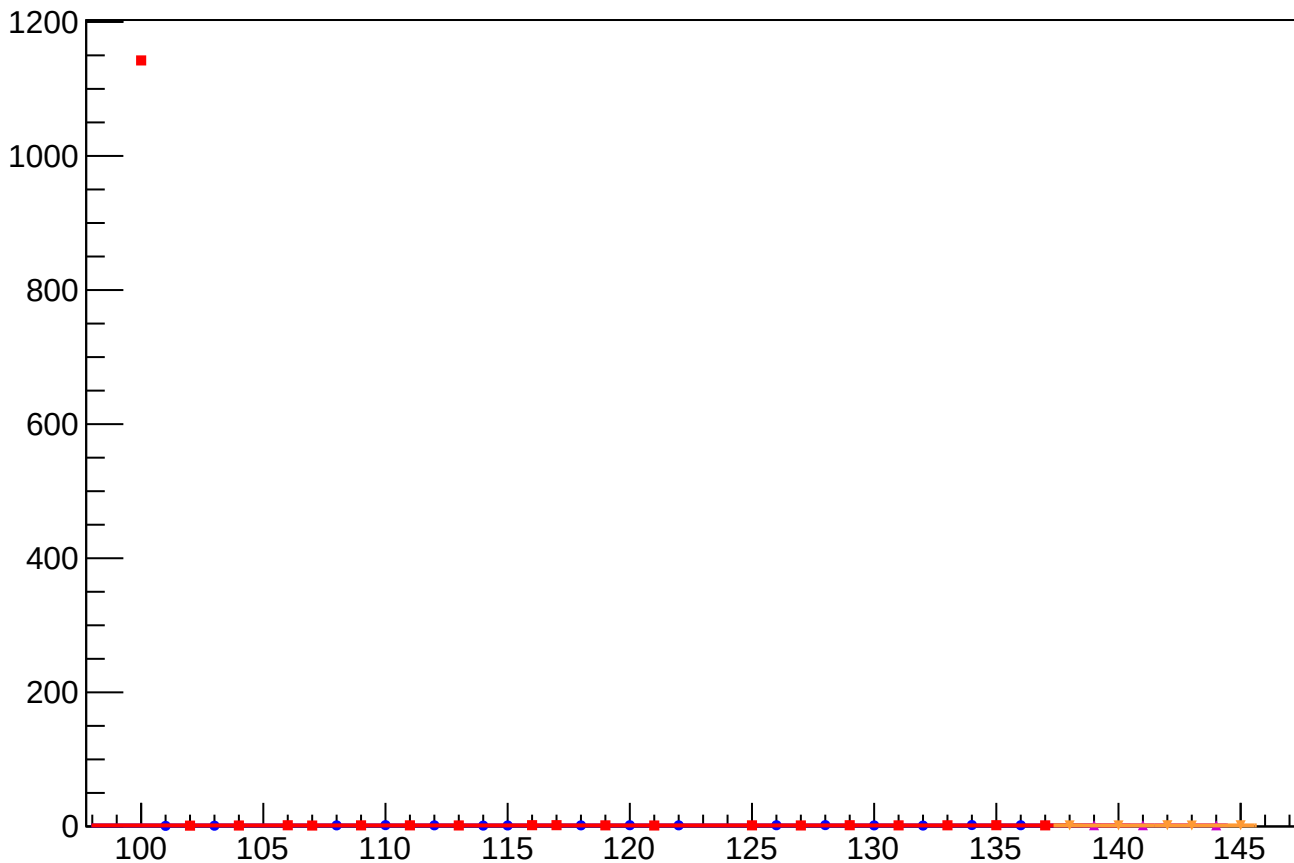
Right Out: 0.336+/-0.641 χ^2/NDF : 23.1/18

Left In: -0.911+/-1.228 χ^2/NDF : 0.7/2

0.235+/-0.514 χ^2/NDF : 14.3/20

0.069+/-0.568 χ^2/NDF : 24.6/21

asym_dsl_correction_rms vs Slug



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

Left Out: 1.562+/-0.001 χ^2/NDF : 37495.6/4

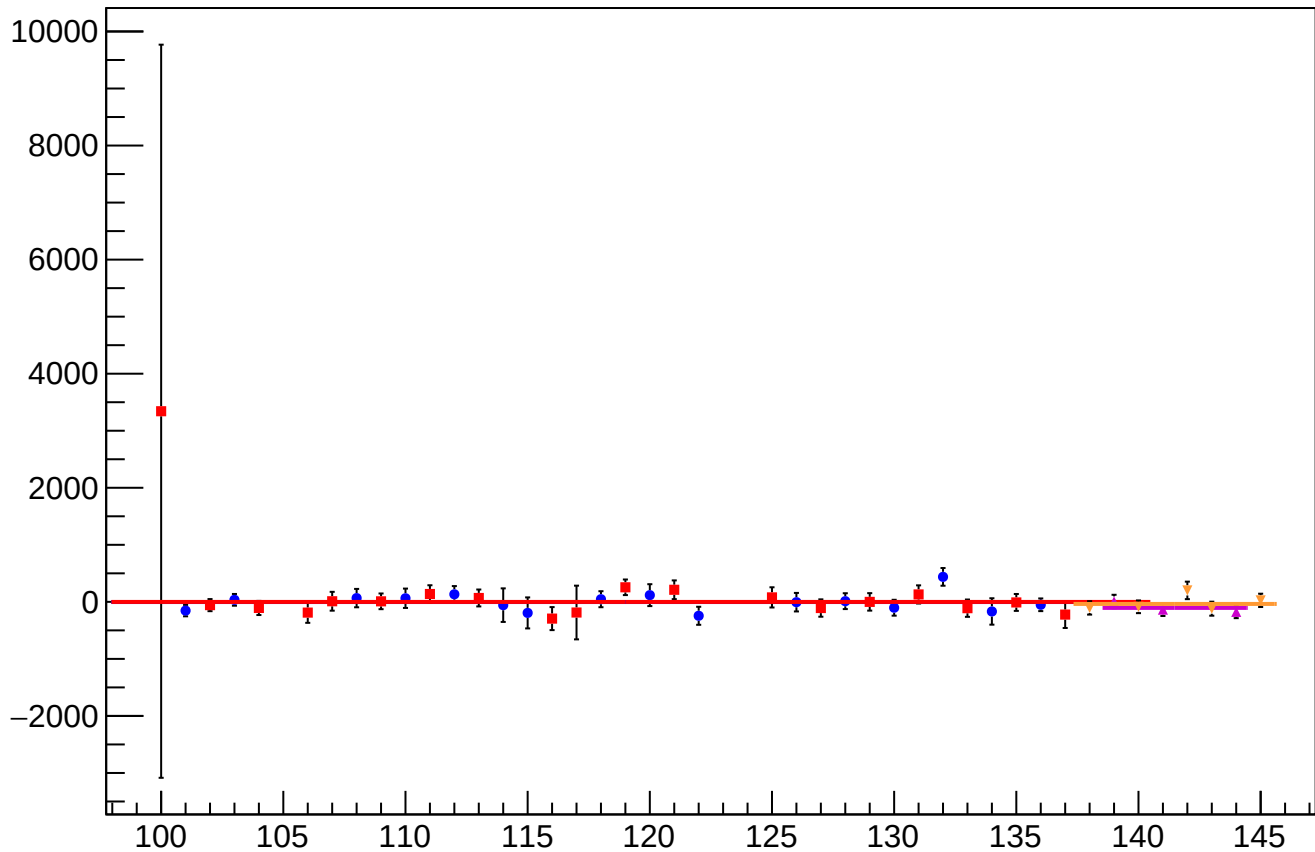
Right Out: 1.557+/-0.000 χ^2/NDF : 318750.9/18

Left In: 1.798+/-0.001 χ^2/NDF : 8279.3/2

1.463+/-0.000 χ^2/NDF : 800688.7/20

1.609+/-0.000 χ^2/NDF : 387208.9/21

asym_dsl_mean vs Slug



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

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

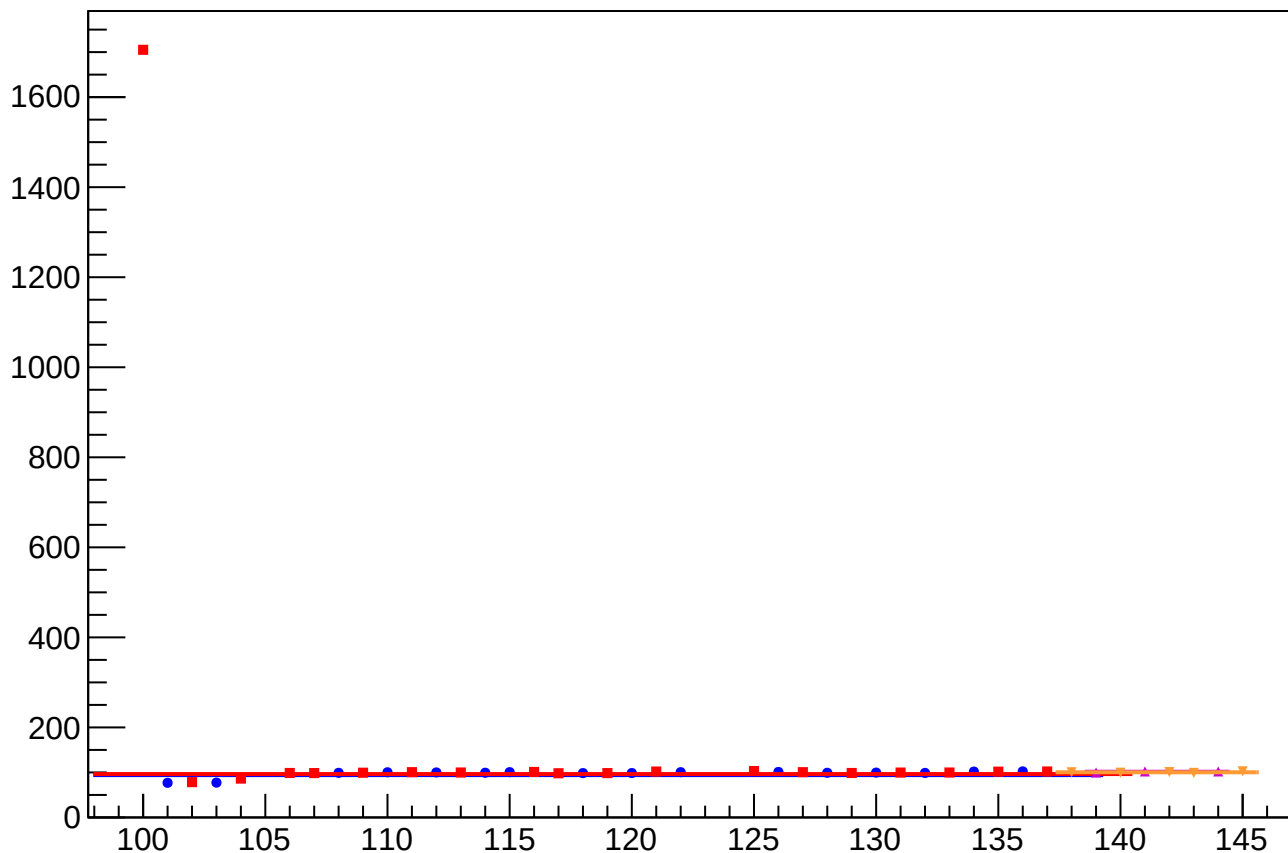
Right Out: -1.300+/-36.598 χ^2/NDF : 13.7/18

Left In: -105.950+/-65.131 χ^2/NDF : 1.4/2

-13.514+/-30.467 χ^2/NDF : 20.3/20

-26.413+/-31.906 χ^2/NDF : 17.0/21

asym_dsl_rms vs Slug



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

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

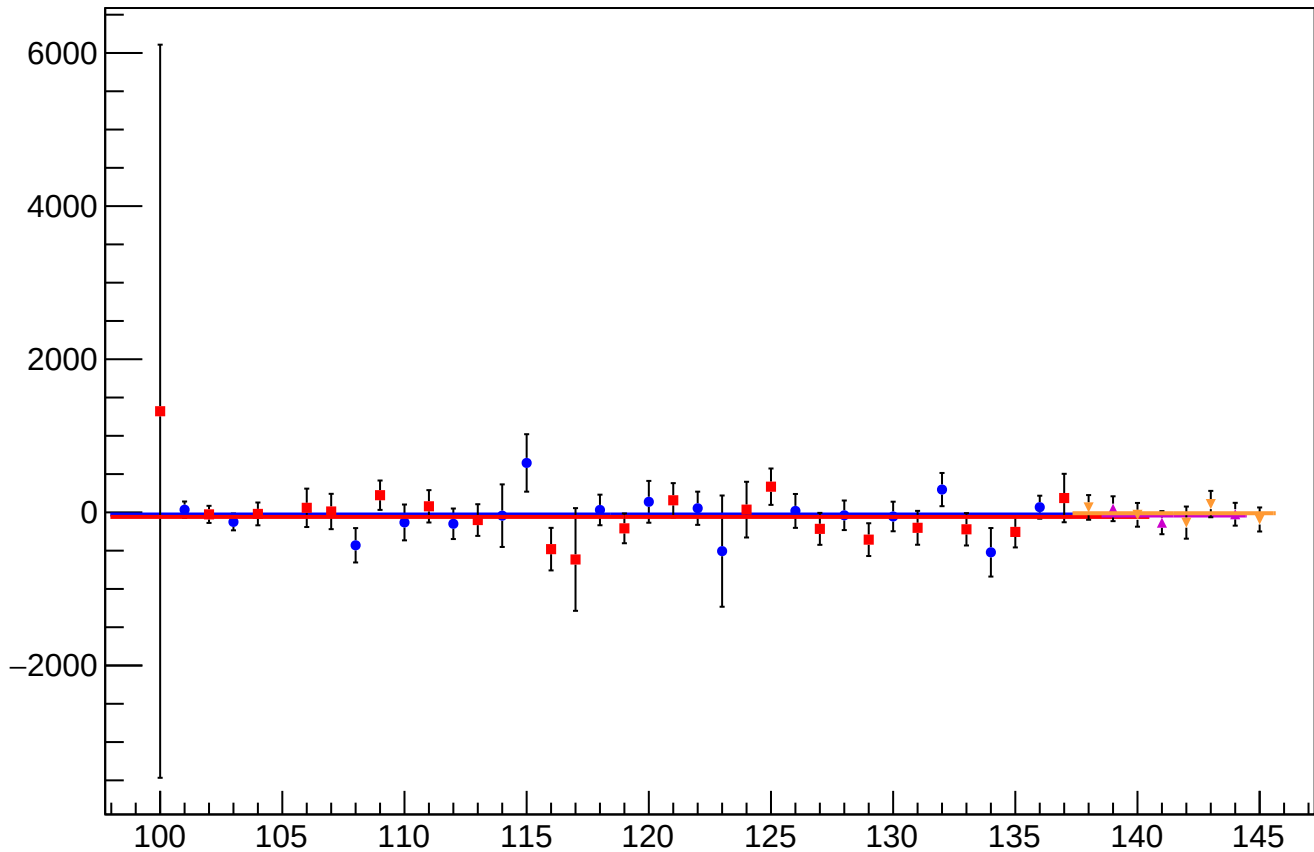
Right Out: 96.391+/-0.026 χ^2/NDF : 214389.8/18

Left In: 101.506+/-0.046 χ^2/NDF : 572.9/2

96.043+/-0.022 χ^2/NDF : 171411.1/20

97.619+/-0.023 χ^2/NDF : 224336.0/21

reg_asym_dsr_mean vs Slug



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

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

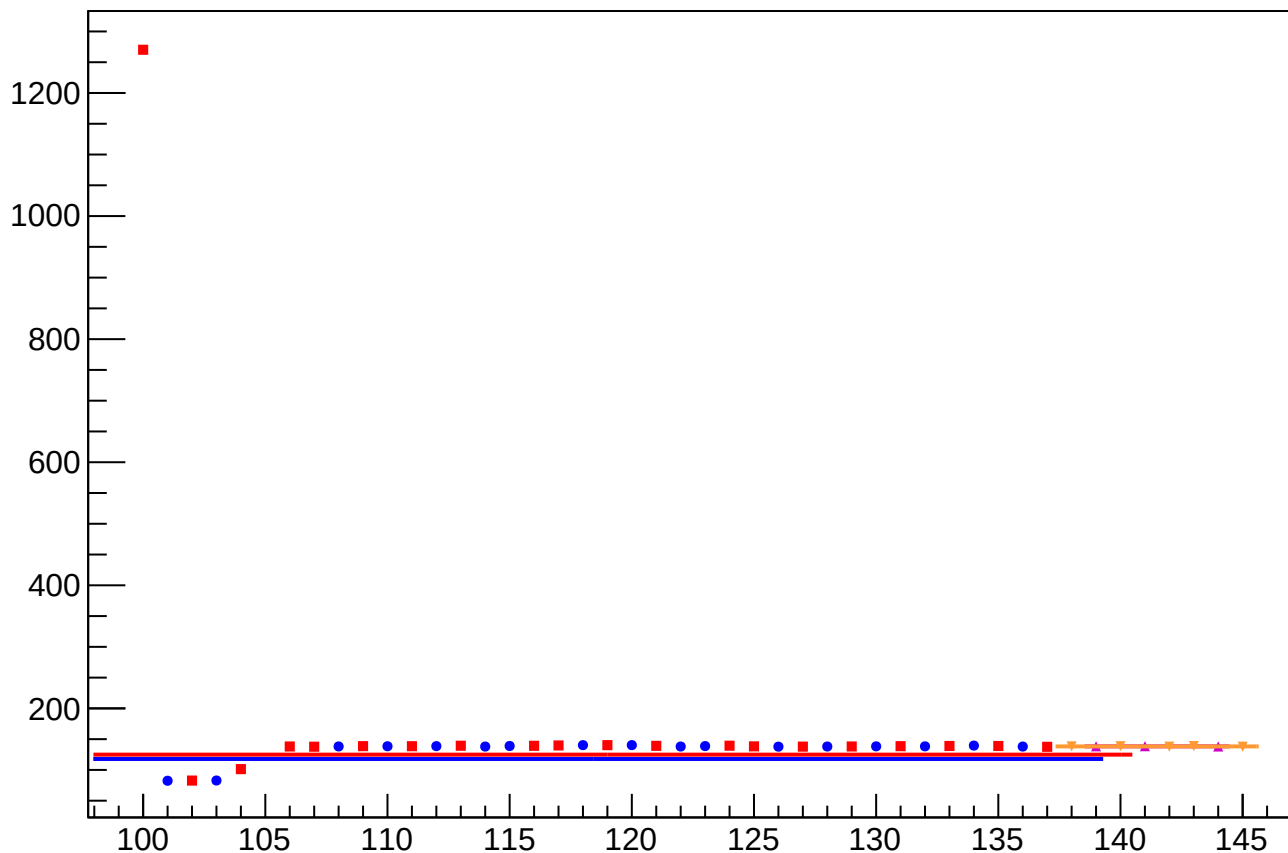
Right Out: -59.211 ± 47.588 χ^2/NDF : 15.6/19

Left In: -40.934 ± 88.752 χ^2/NDF : 0.7/2

-23.186 ± 39.714 χ^2/NDF : 15.7/21

-55.129 ± 41.939 χ^2/NDF : 16.3/22

reg_asym_dsr_rms vs Slug



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

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

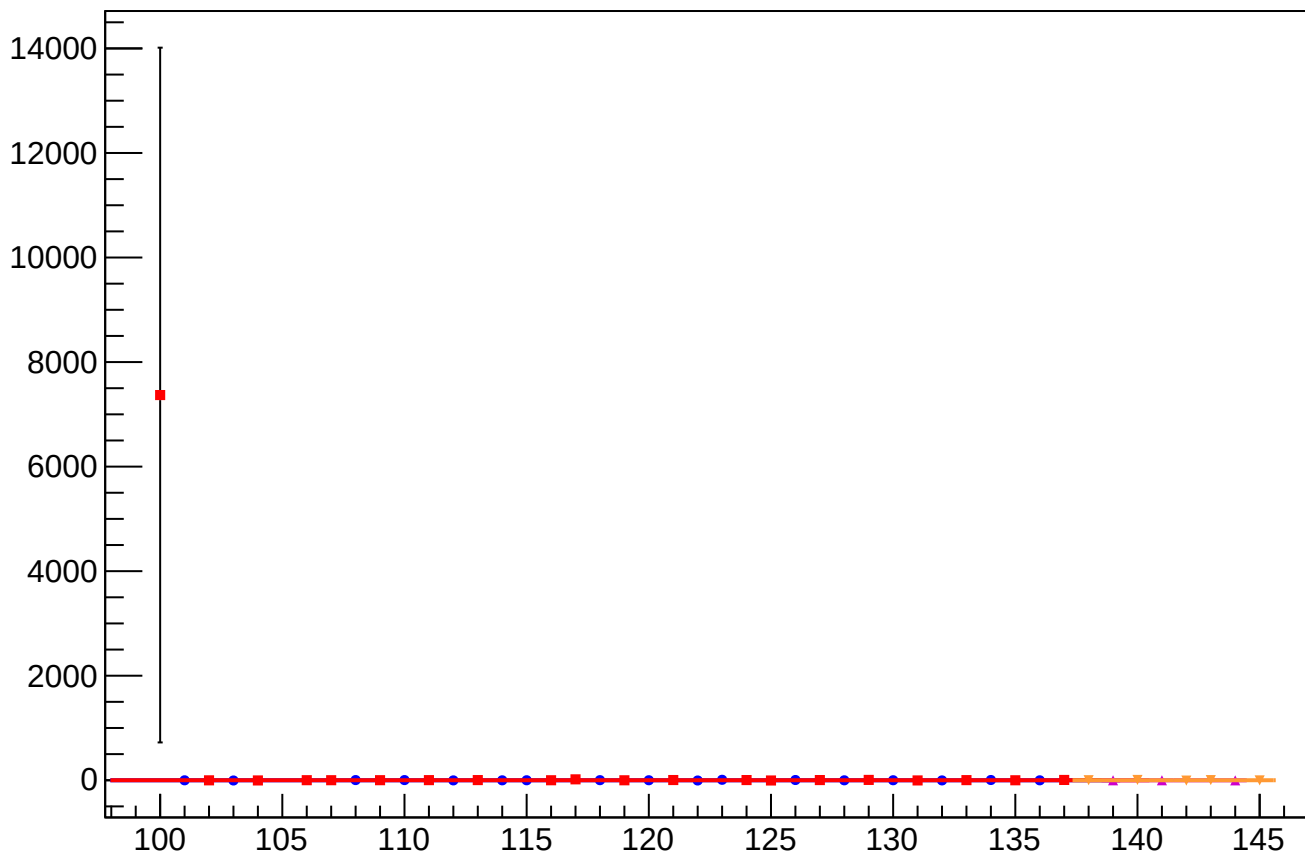
Right Out: 124.839 ± 0.034 χ^2/NDF : 570766.0/19

Left In: 138.322 ± 0.063 χ^2/NDF : 9.0/2

123.512 ± 0.028 χ^2/NDF : 772888.5/21

127.850 ± 0.030 χ^2/NDF : 606624.6/22

asym_dsr_correction_mean vs Slug



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

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

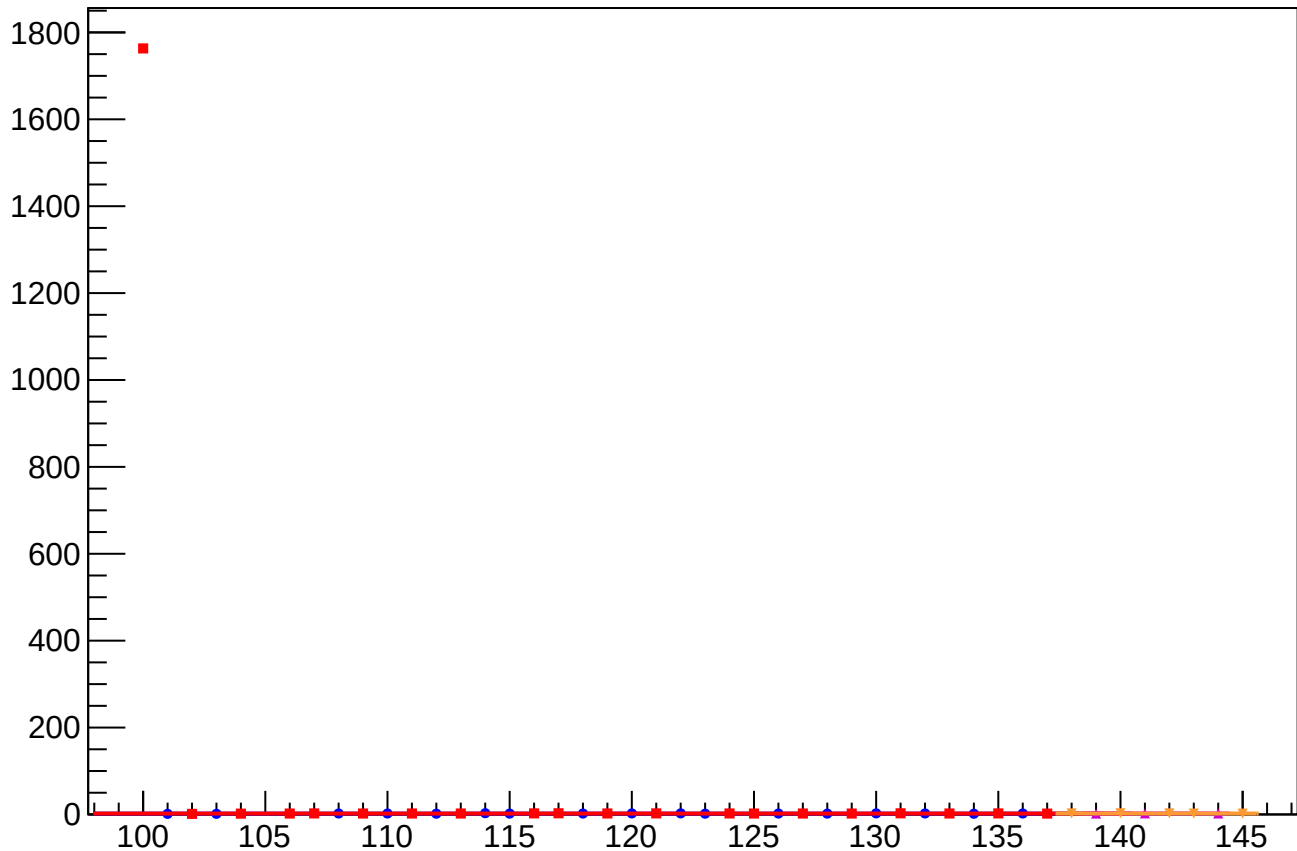
Right Out: 0.719 ± 0.849 χ^2/NDF : 15.3/19

Left In: -0.963 ± 1.583 χ^2/NDF : 0.2/2

-0.414 ± 0.689 χ^2/NDF : 21.5/21

0.343 ± 0.748 χ^2/NDF : 16.4/22

asym_dsr_correction_rms vs Slug



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

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

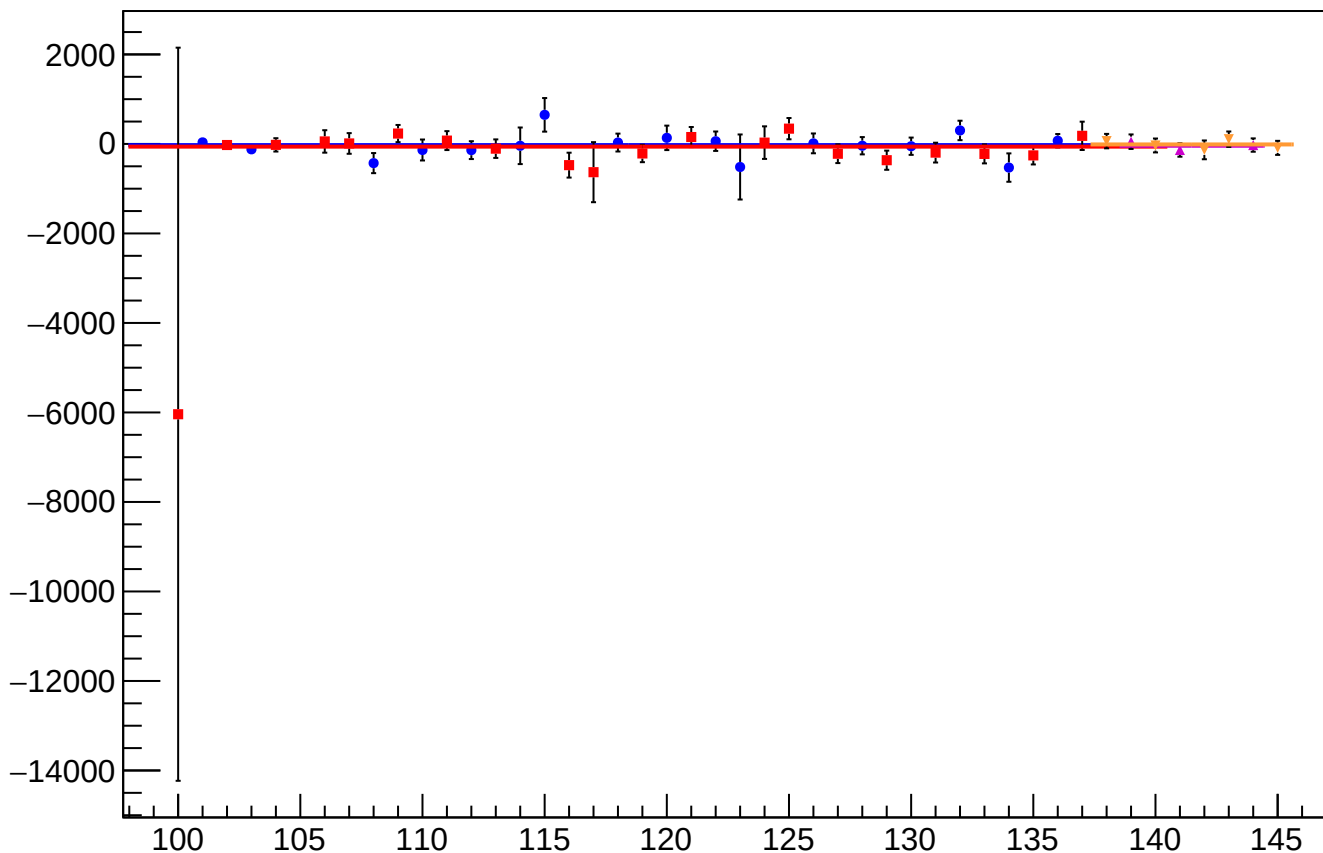
Right Out: 2.068 $\pm$ 0.001 χ^2 /NDF: 530286.7/19

Left In: 2.264 $\pm$ 0.001 χ^2 /NDF: 27645.3/2

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

2.112 $\pm$ 0.001 χ^2 /NDF: 581662.9/22

asym_dsr_mean vs Slug



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

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

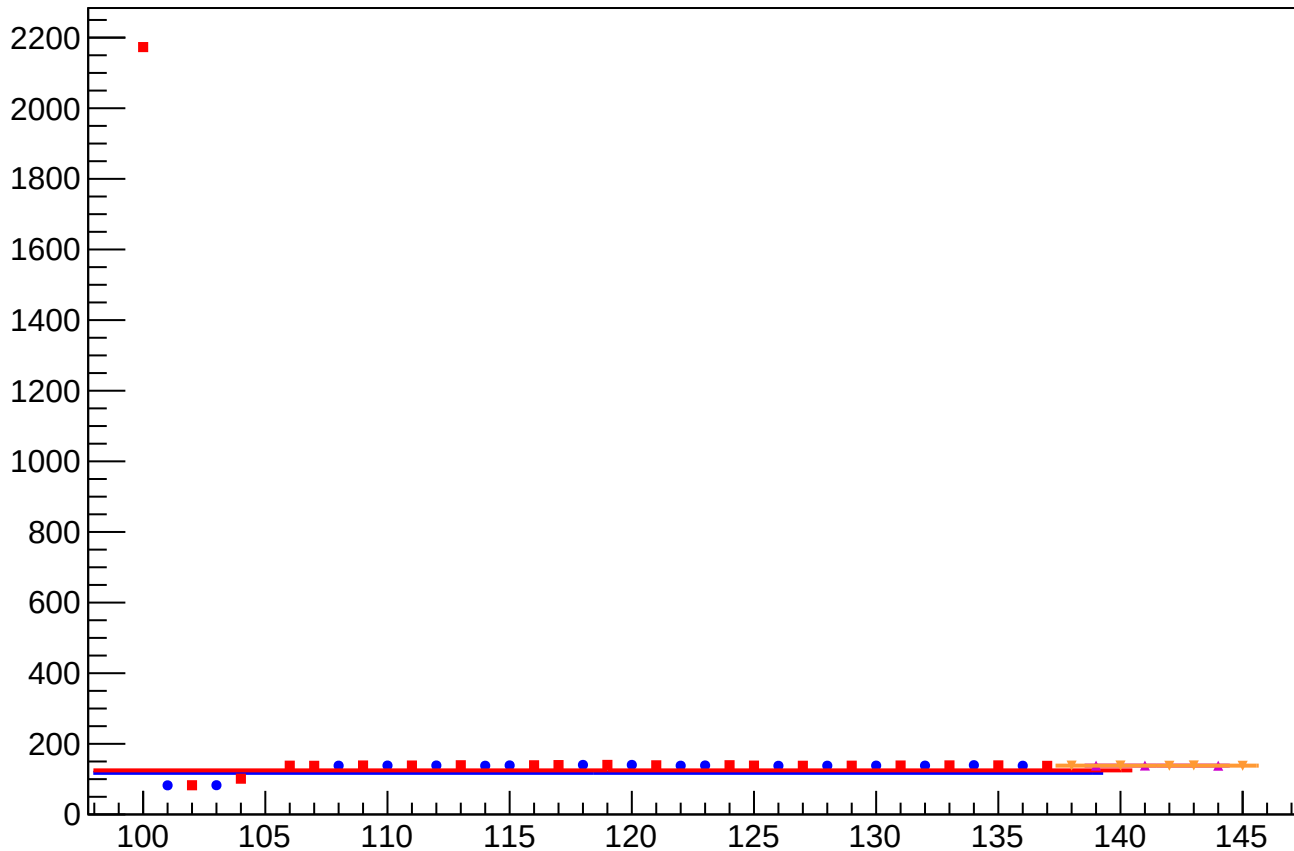
Right Out: -60.159 ± 47.602 χ^2/NDF : 16.2/19

Left In: -40.625 ± 88.776 χ^2/NDF : 0.7/2

-22.101 ± 39.724 χ^2/NDF : 15.7/21

-55.797 ± 41.952 χ^2/NDF : 17.0/22

asym_dsr_rms vs Slug



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

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

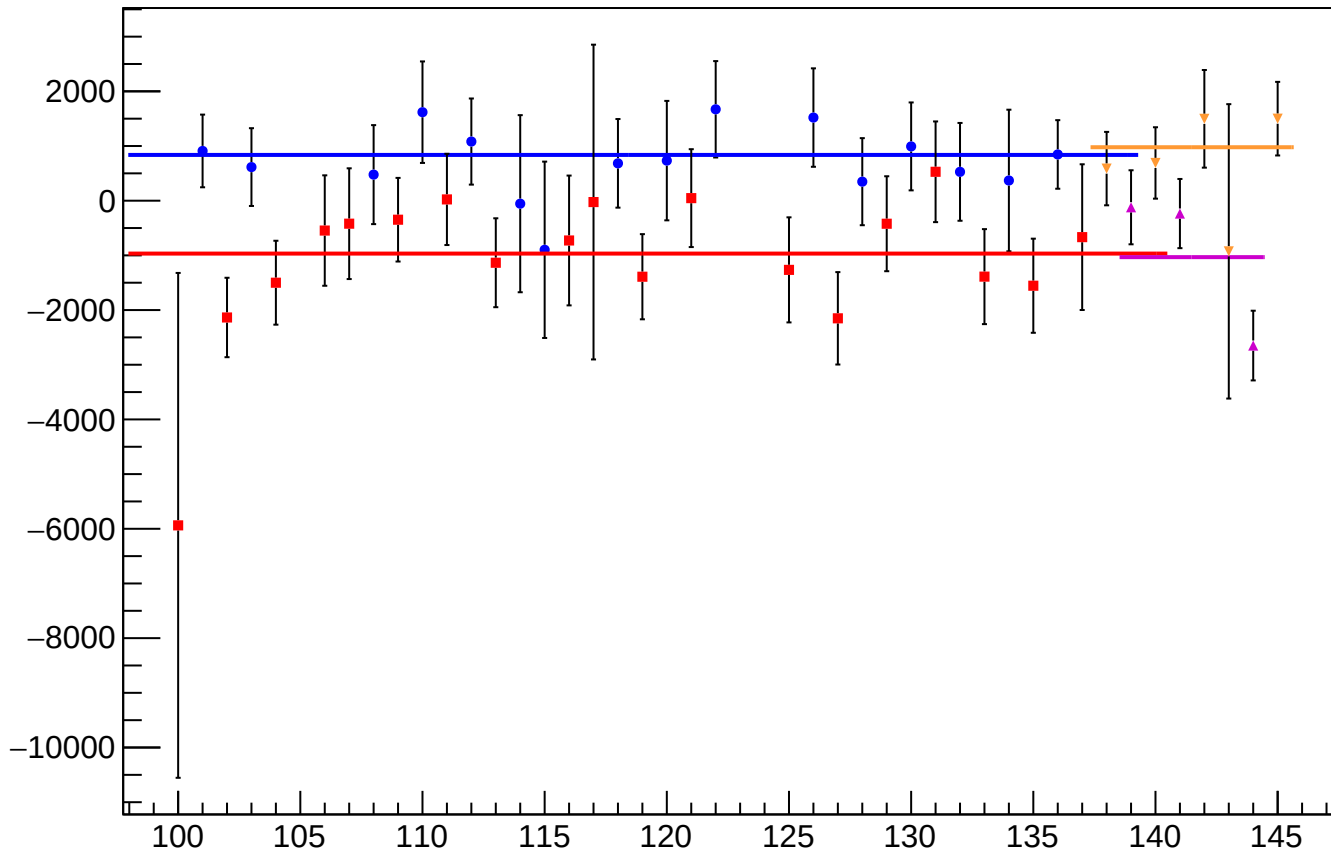
123.545 $\pm$ 0.028 χ^2 /NDF: 772924.4/21

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

127.850 $\pm$ 0.030 χ^2 /NDF: 617446.4/22

Left In: 138.359 $\pm$ 0.063 χ^2 /NDF: 9.2/2

reg_asym_left_avg_mean vs Slug



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

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

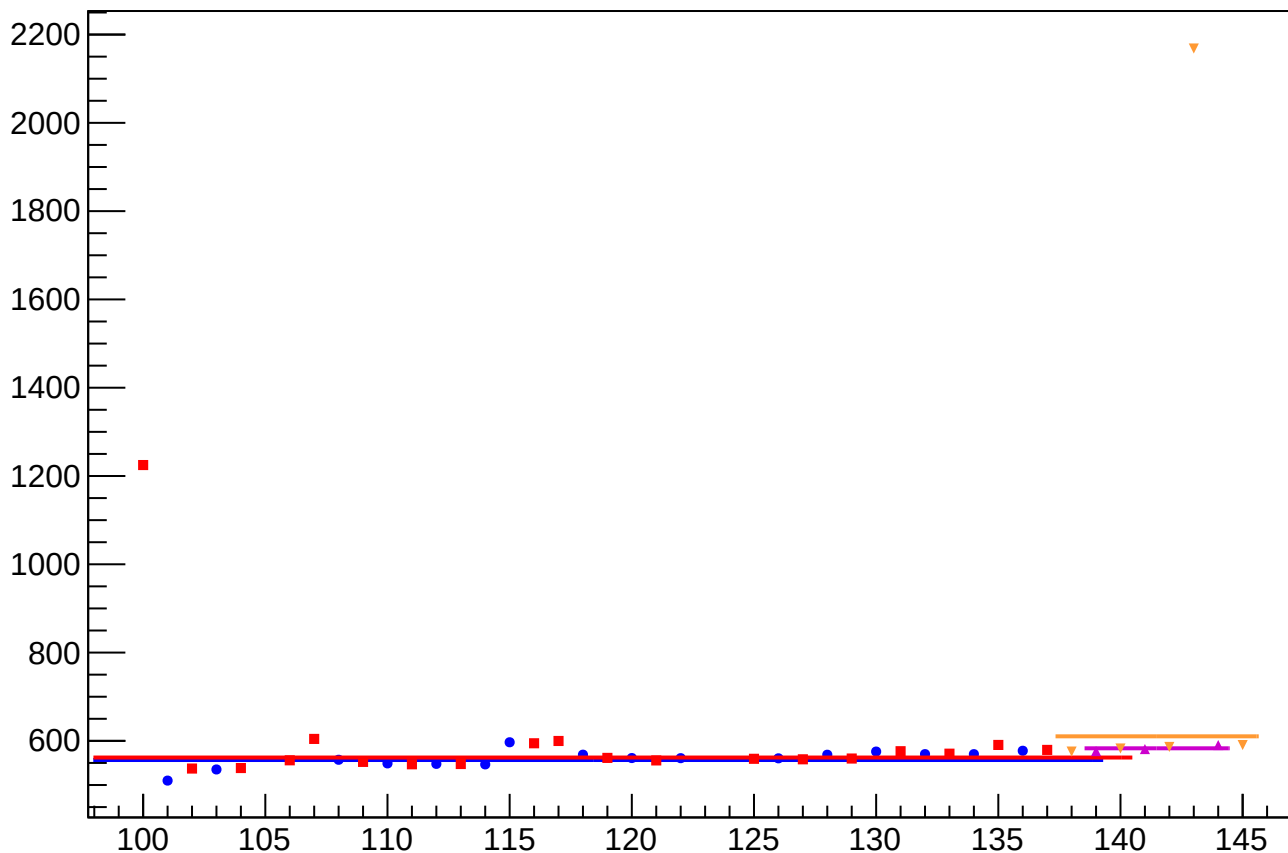
Right Out: -967.277 ± 212.168 χ^2/NDF : 14.4/18

Left In: -1032.267 ± 374.178 χ^2/NDF : 9.8/2

875.896 ± 183.921 χ^2/NDF : 6.8/20

-983.088 ± 184.562 χ^2/NDF : 24.2/21

reg_asym_left_avg_rms vs Slug



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

Left Out: 610.281 $\pm$ 0.247 χ^2 /NDF: 682073.2/4

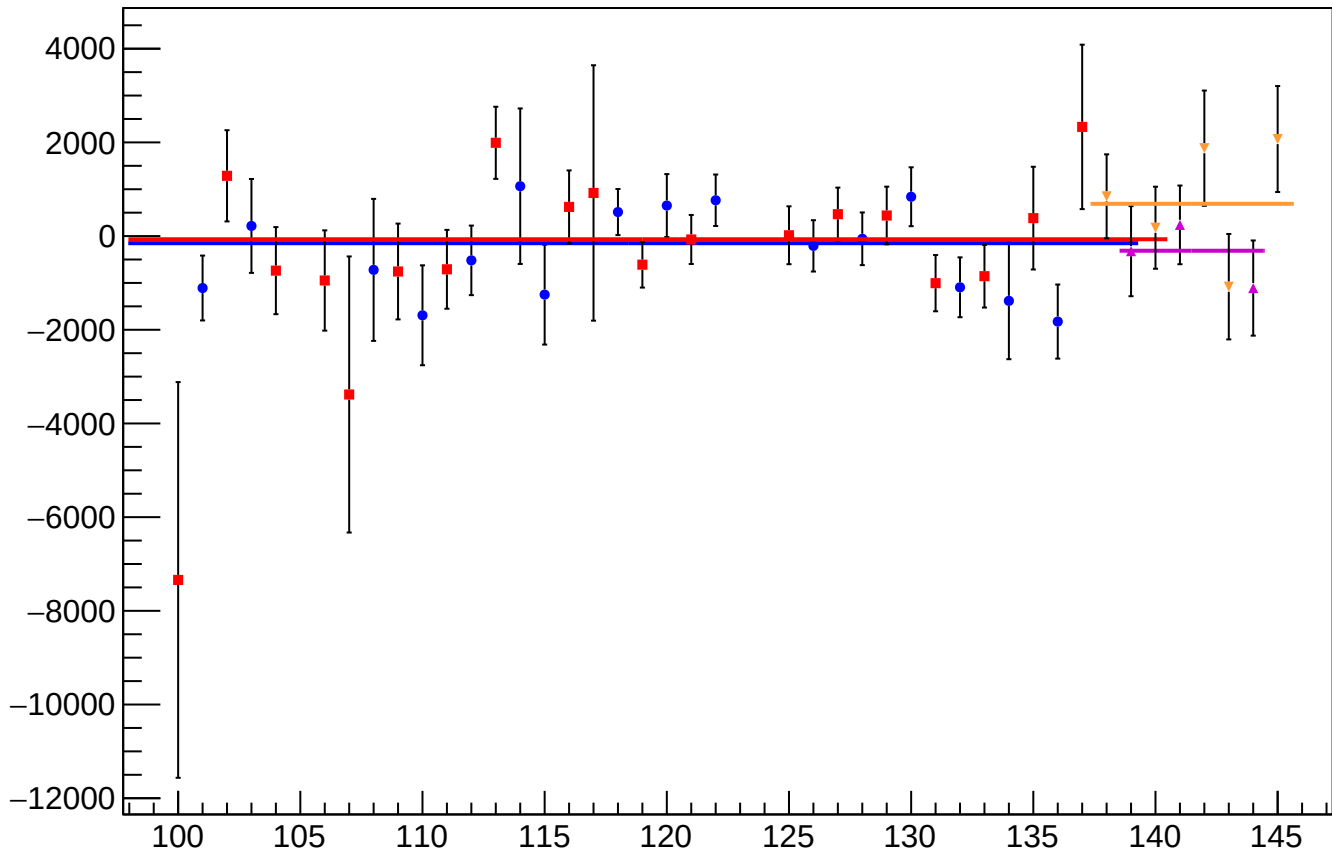
Right Out: 562.253 $\pm$ 0.150 χ^2 /NDF: 55916.7/18

Left In: 583.155 $\pm$ 0.265 χ^2 /NDF: 460.8/2

571.453 $\pm$ 0.130 χ^2 /NDF: 734477.2/20

567.338 $\pm$ 0.131 χ^2 /NDF: 61100.3/21

asym_left_avg_correction_mean vs Slug



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

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

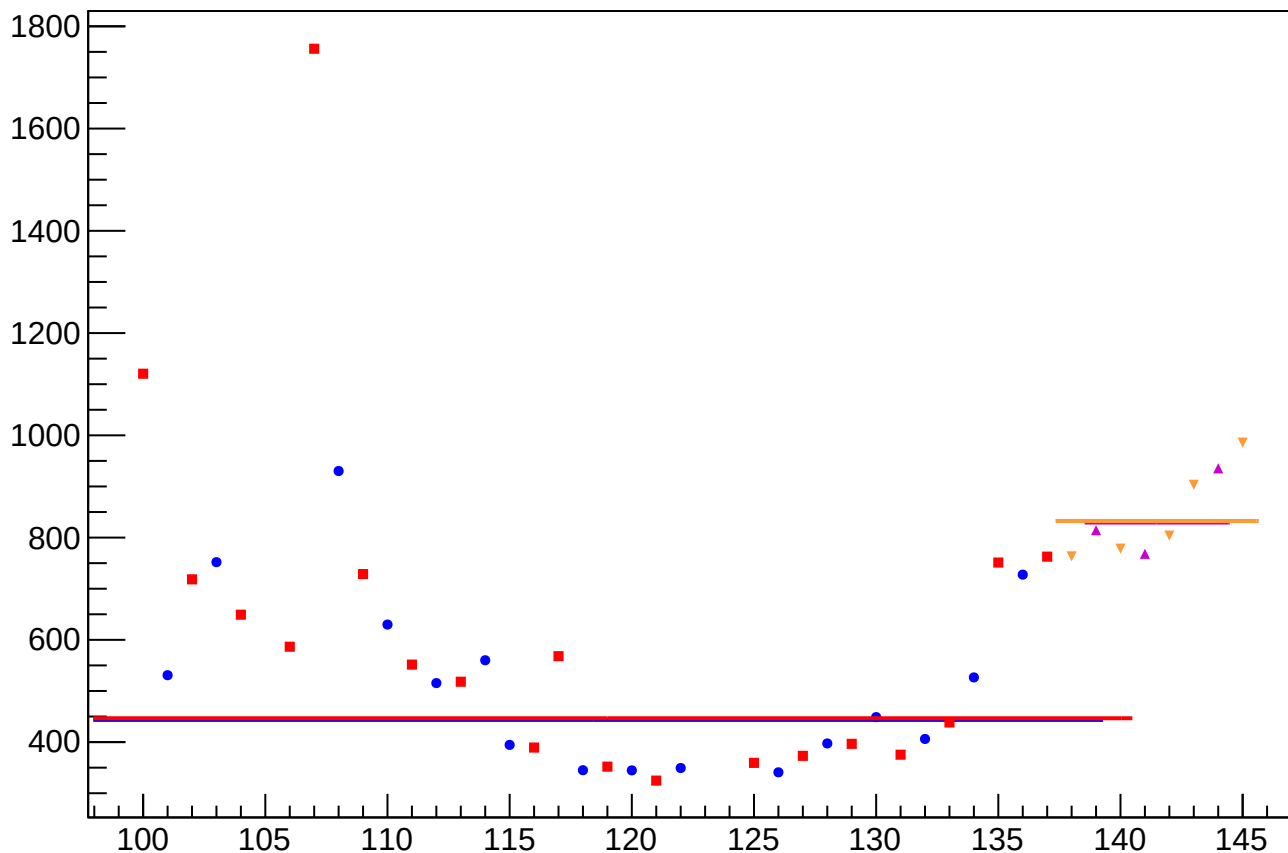
Right Out: -67.516+/-178.283 χ^2/NDF : 25.1/18

Left In: -312.659+/-536.956 χ^2/NDF : 1.0/2

-39.029+/-167.561 χ^2/NDF : 30.5/20

-91.858+/-169.200 χ^2/NDF : 26.4/21

asym_left_avg_correction_rms vs Slug



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

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

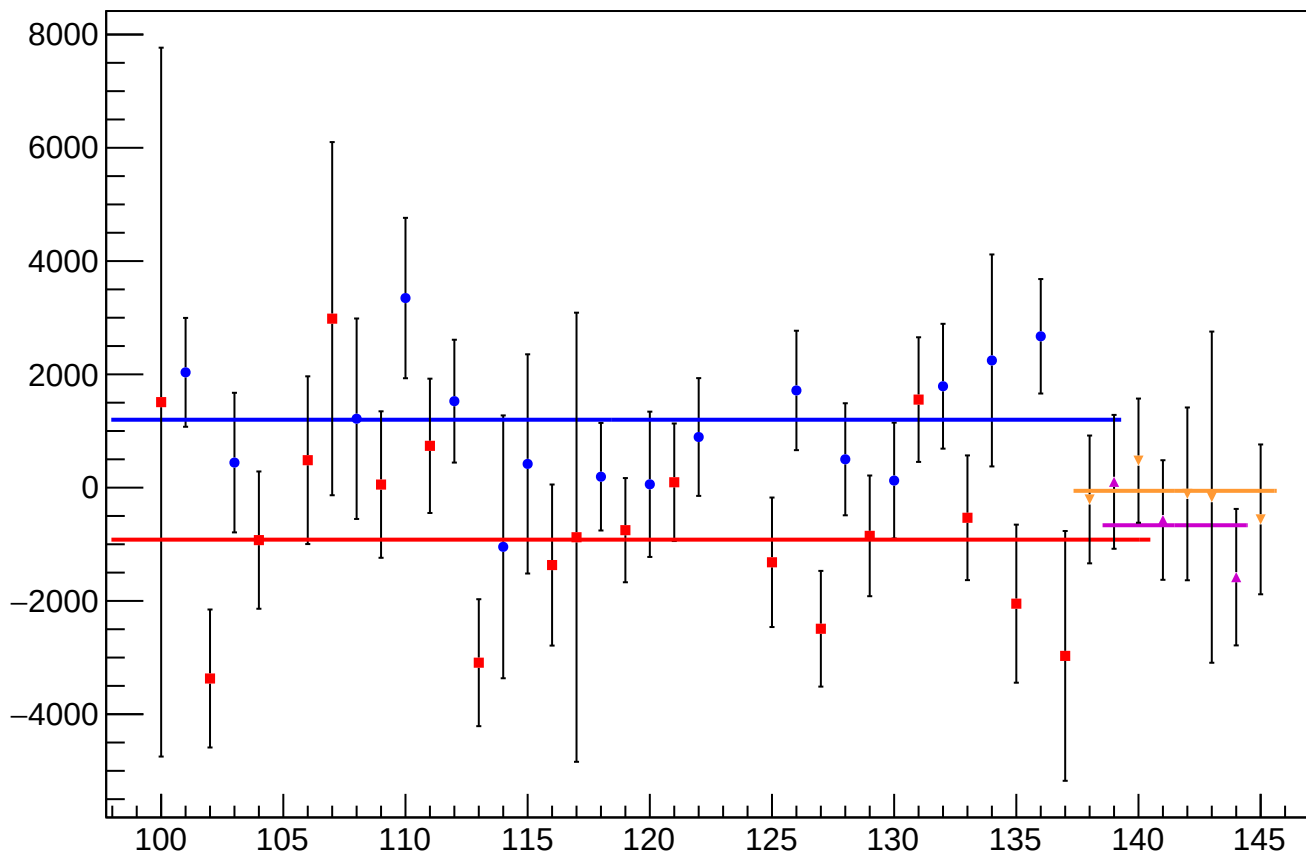
Right Out: 446.668+/-0.126 χ^2/NDF : 1463968.9/18

Left In: 829.418+/-0.380 χ^2/NDF : 32869.3/2

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

484.673+/-0.120 χ^2/NDF : 2412141.2/21

asym_left_avg_mean vs Slug



Right In: 1198.972 ± 295.243 $\chi^2/\text{NDF}: 11.2/15$

Left Out: -56.282 ± 604.519 $\chi^2/\text{NDF}: 0.4/4$

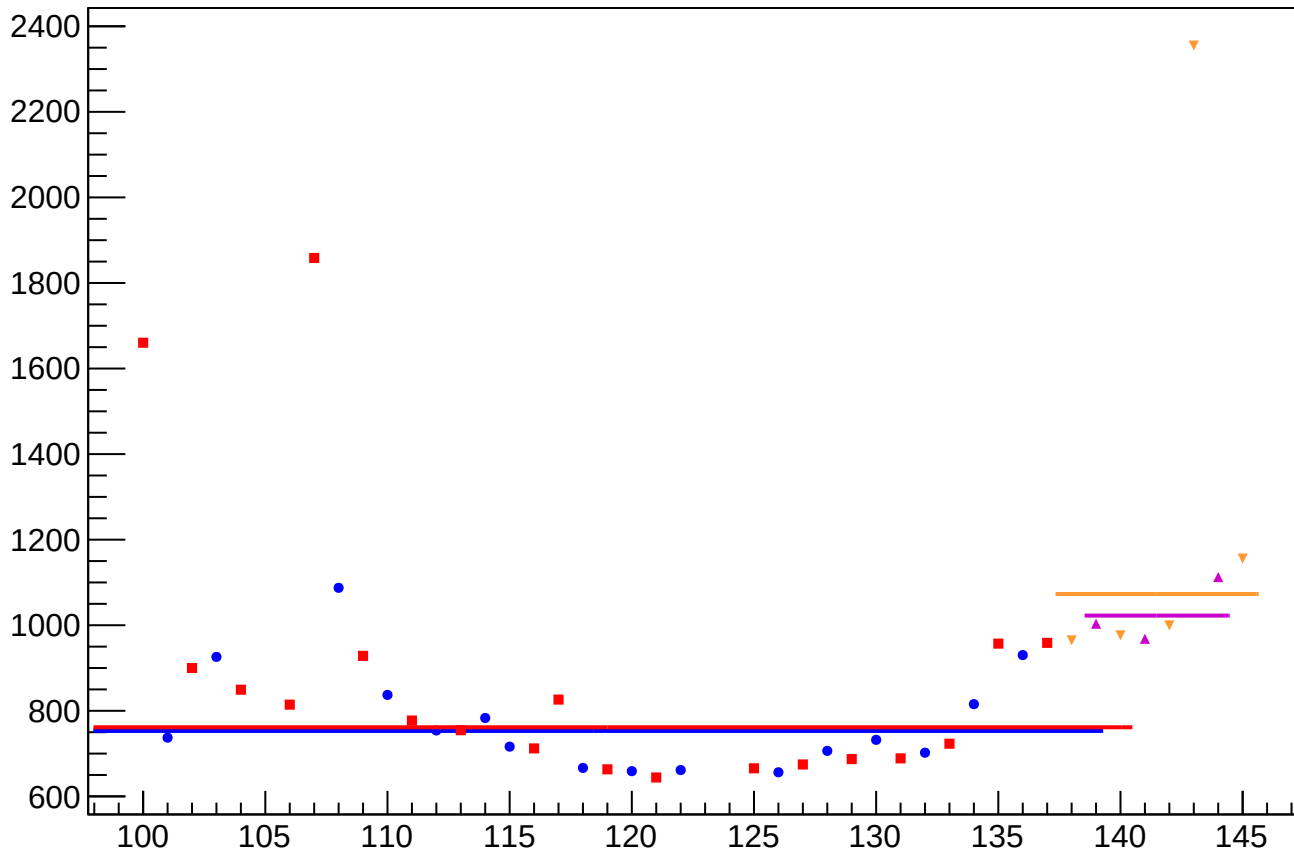
Right Out: -918.180 ± 292.495 $\chi^2/\text{NDF}: 23.2/18$

Left In: -663.817 ± 659.037 $\chi^2/\text{NDF}: 1.0/2$

957.223 ± 265.293 $\chi^2/\text{NDF}: 15.1/20$

-876.321 ± 267.347 $\chi^2/\text{NDF}: 24.4/21$

asym_left_avg_rms vs Slug



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

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

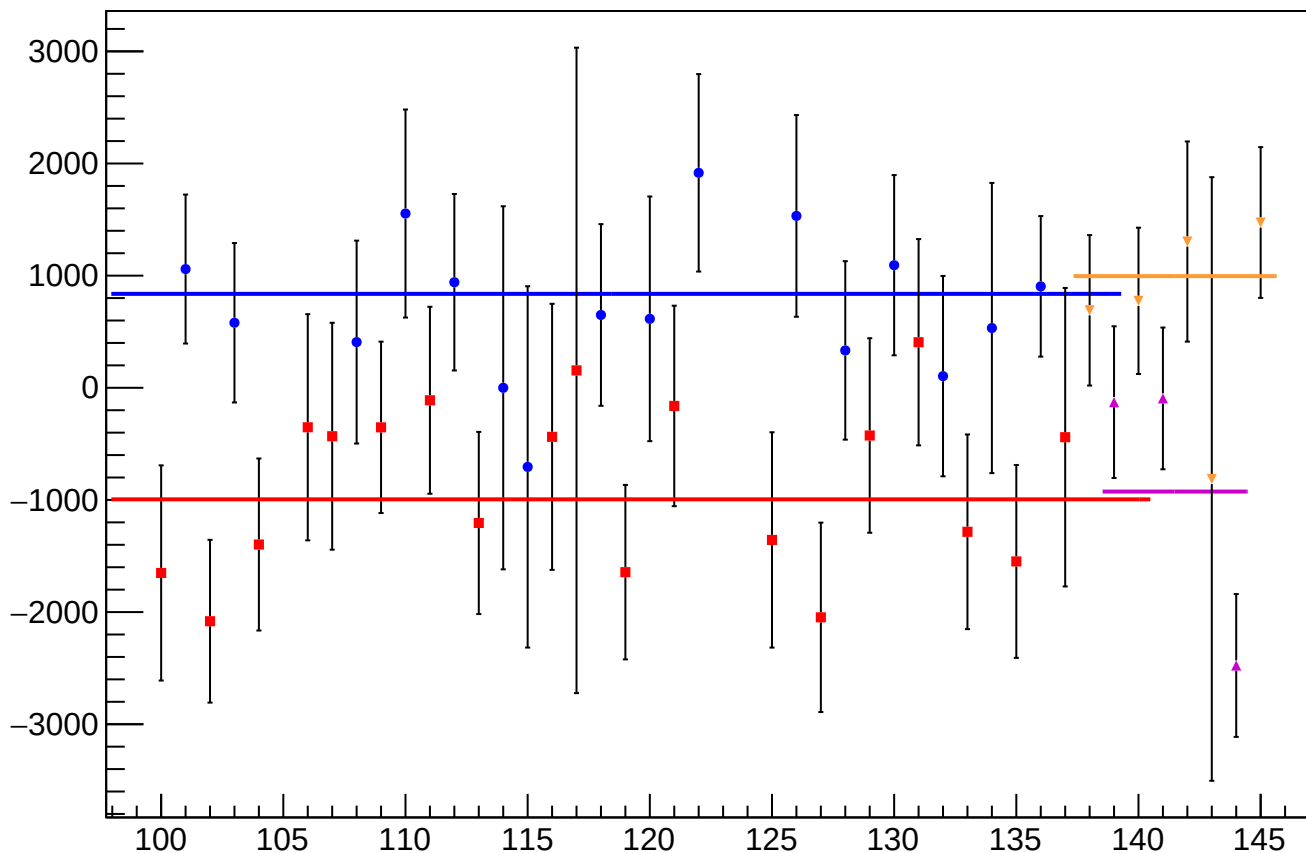
Right Out: 761.514 $\pm$ 0.207 χ^2 /NDF: 517672.2/18

Left In: 1022.527 $\pm$ 0.466 χ^2 /NDF: 16973.2/2

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

804.467 $\pm$ 0.189 χ^2 /NDF: 796733.7/21

reg_asym_left_dd_mean vs Slug



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

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

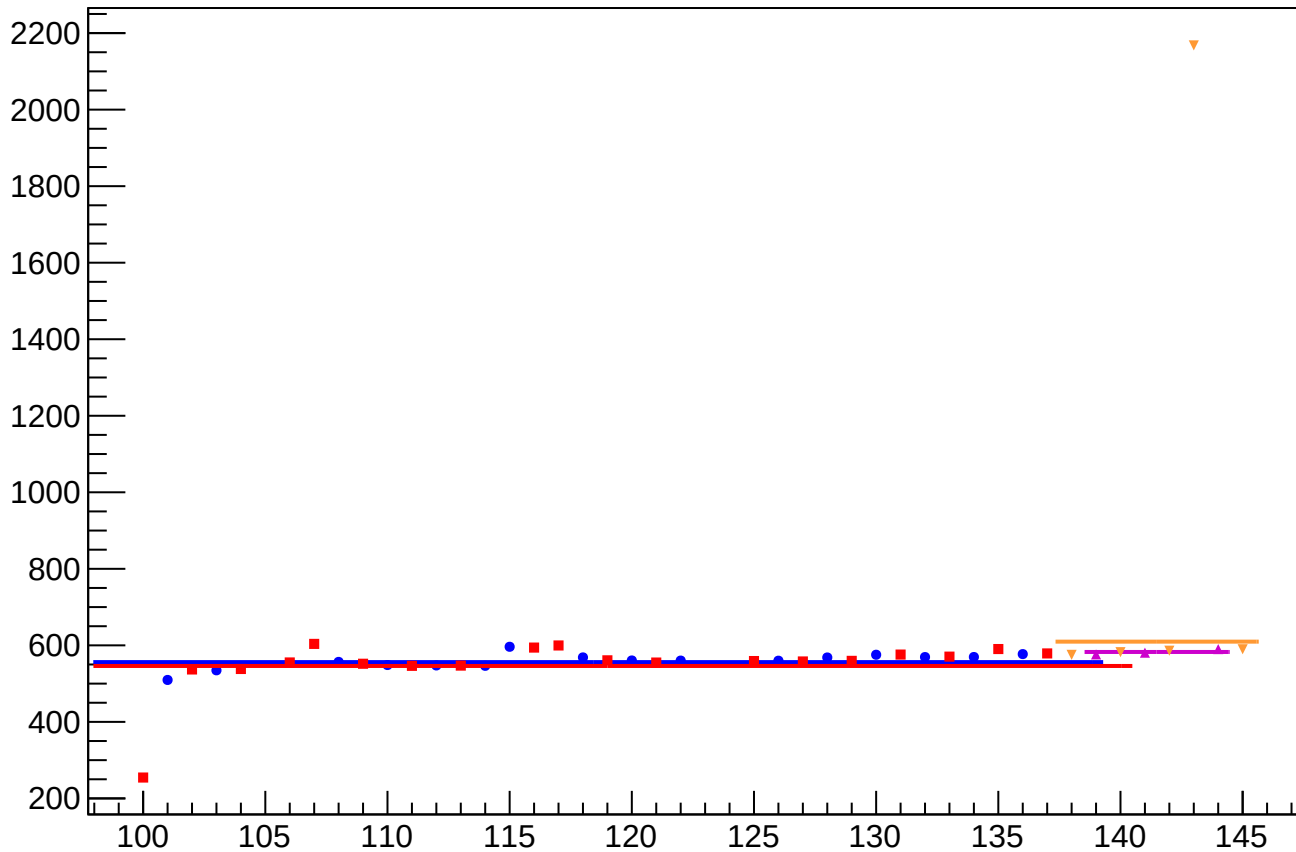
Right Out: -994.626 $\pm$ 207.208 χ^2 /NDF: 12.7/18

Left In: -925.361 $\pm$ 373.890 χ^2 /NDF:9.0/2

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

-978.351 $\pm$ 181.237 χ^2 /NDF: 21.8/21

reg_asym_left_dd_rms vs Slug



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

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

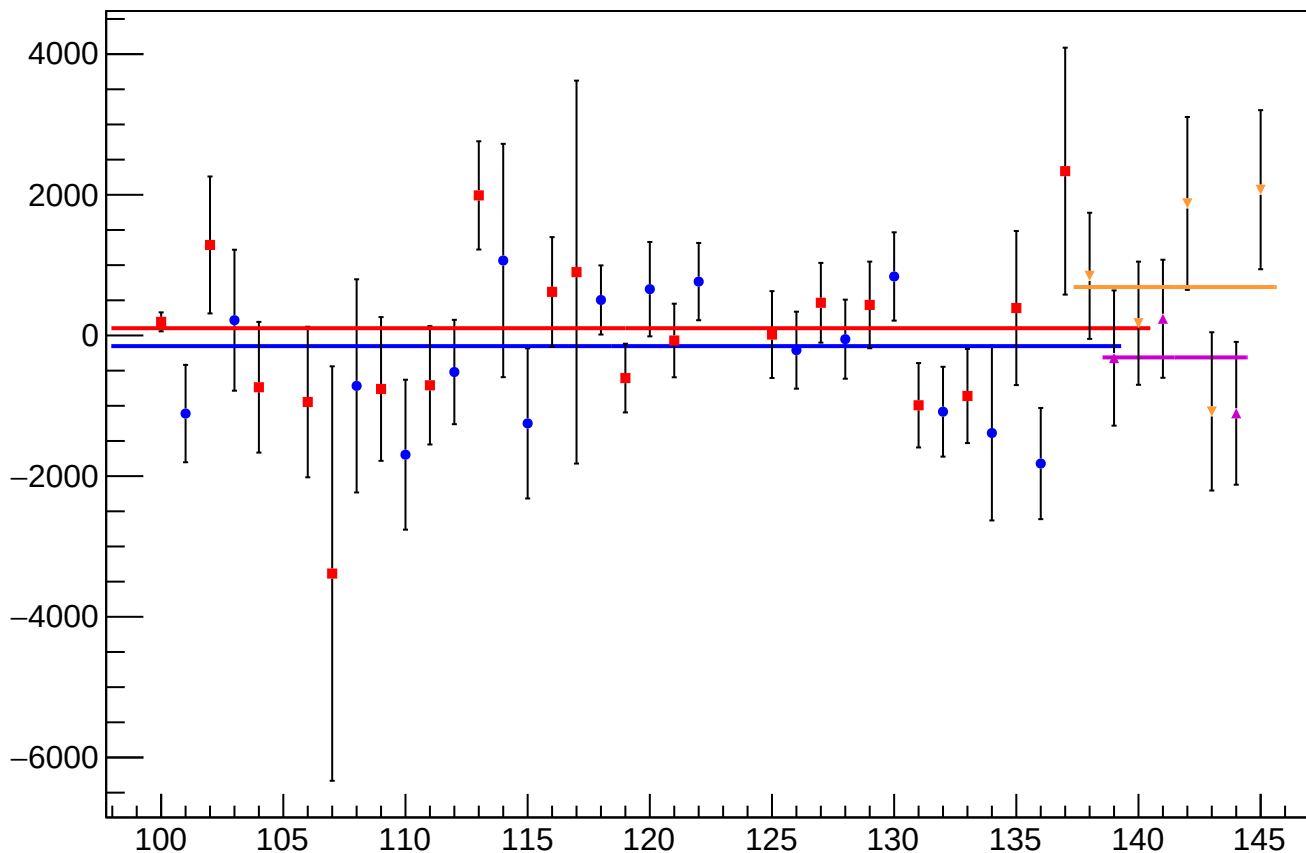
Right Out: 546.124+/-0.147 χ^2/NDF : 208336.6/18

Left In: 582.707+/-0.264 χ^2/NDF : 470.6/2

570.985+/-0.130 χ^2/NDF : 734723.2/20

554.719+/-0.128 χ^2/NDF : 223455.3/21

asym_left_dd_correction_mean vs Slug



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

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

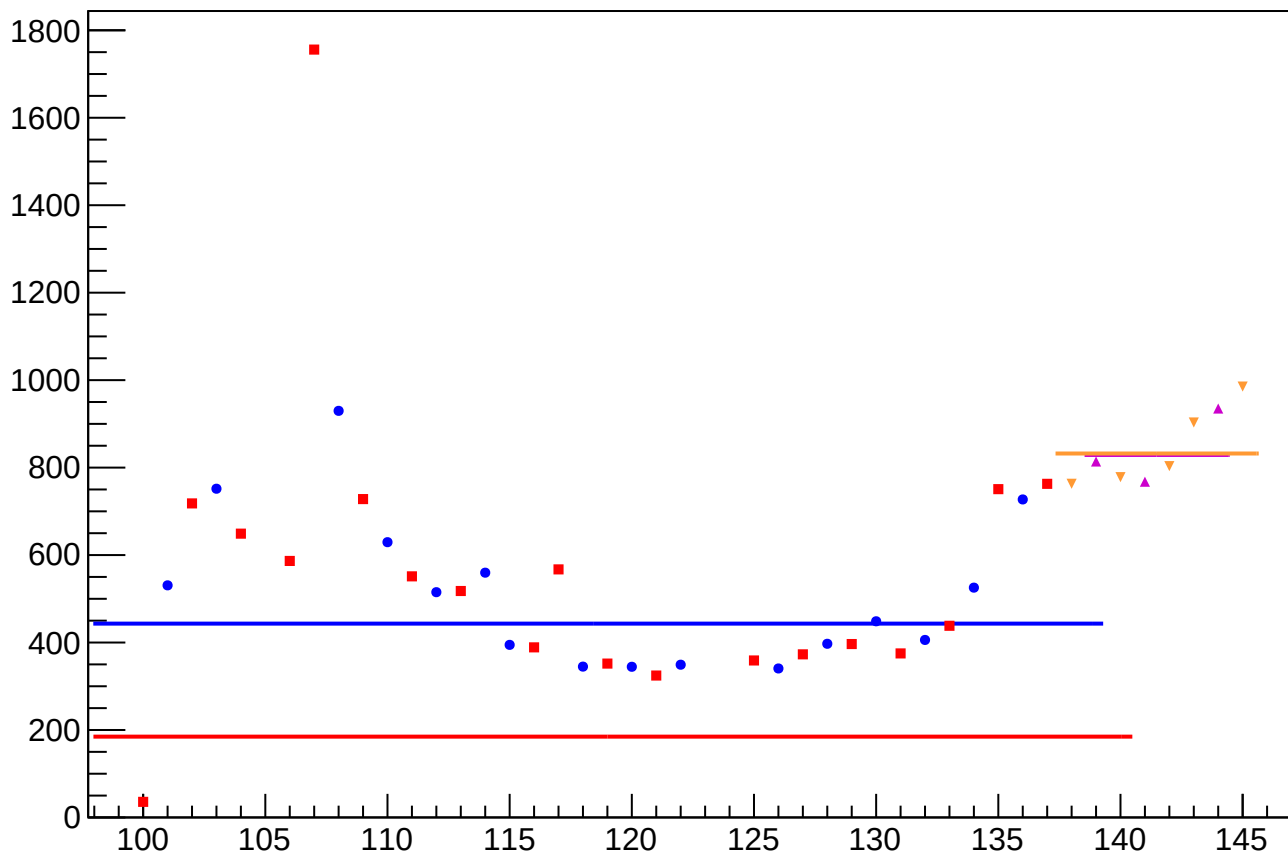
Right Out: 103.328 ± 107.623 $\chi^2/\text{NDF}: 23.3/18$

Left In: -312.080 ± 536.625 $\chi^2/\text{NDF}: 1.0/2$

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

87.266 ± 105.522 $\chi^2/\text{NDF}: 24.9/21$

asym_left_dd_correction_rms vs Slug



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

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

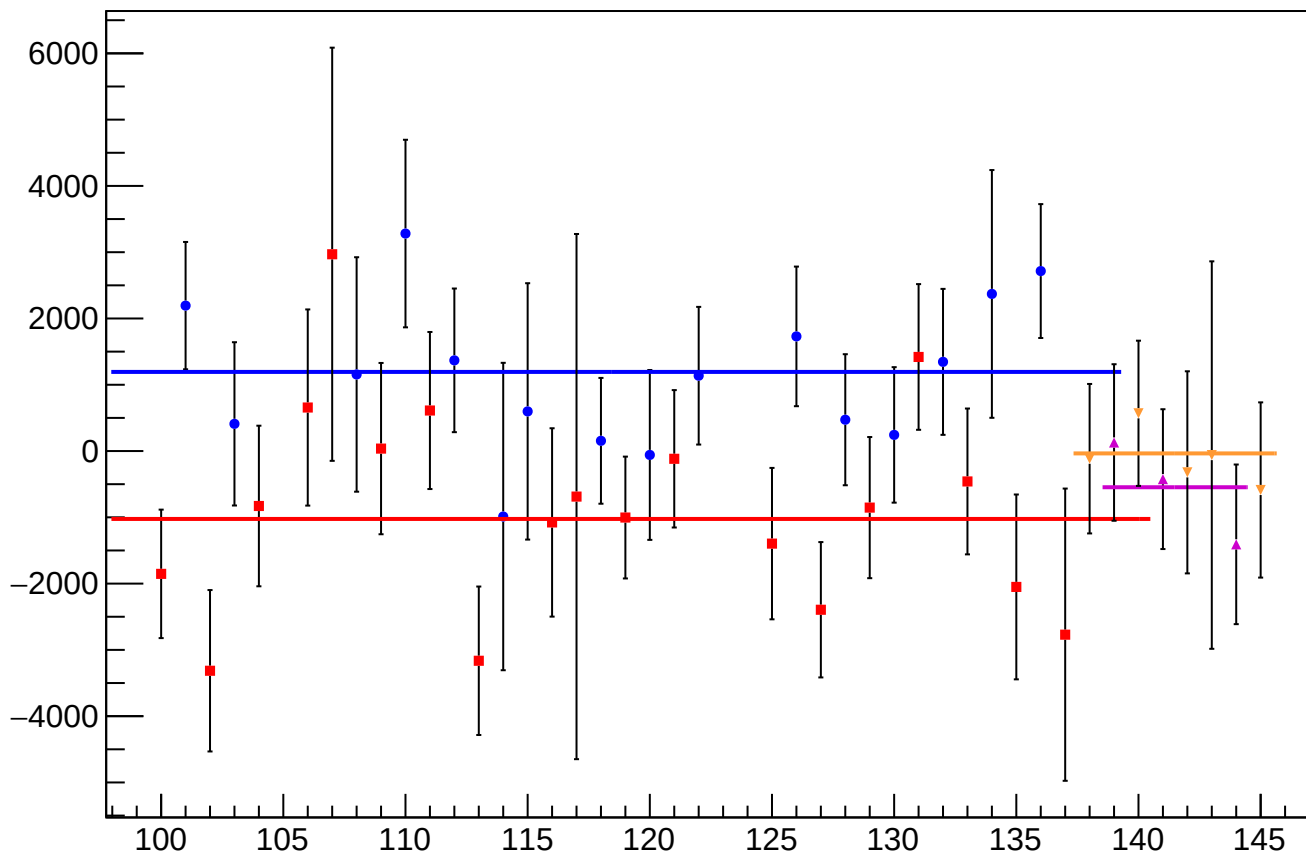
Right Out: 184.814+/-0.076 χ^2/NDF : 8119311.6/18

Left In: 828.892+/-0.379 χ^2/NDF : 32976.7/2

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

209.719+/-0.075 χ^2/NDF : 10922028.5/21

asym_left_dd_mean vs Slug



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

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

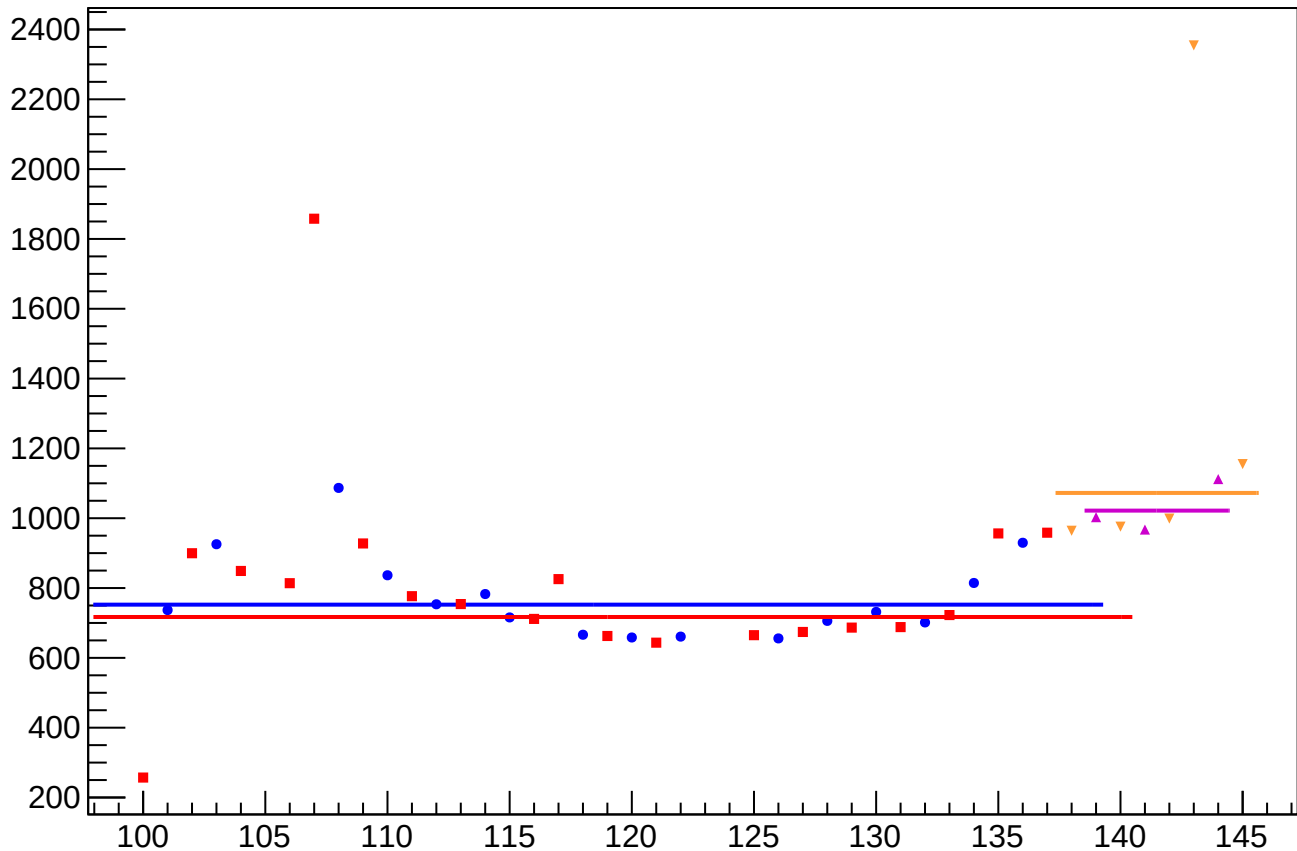
Right Out: -1024.435+/-280.119 χ^2/NDF : 22.5/18

Left In: -546.141+/-658.585 χ^2/NDF : 0.9/2

957.103+/-265.122 χ^2/NDF : 15.0/20

-951.163+/-257.771 χ^2/NDF : 23.8/21

asym_left_dd_rms vs Slug



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

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

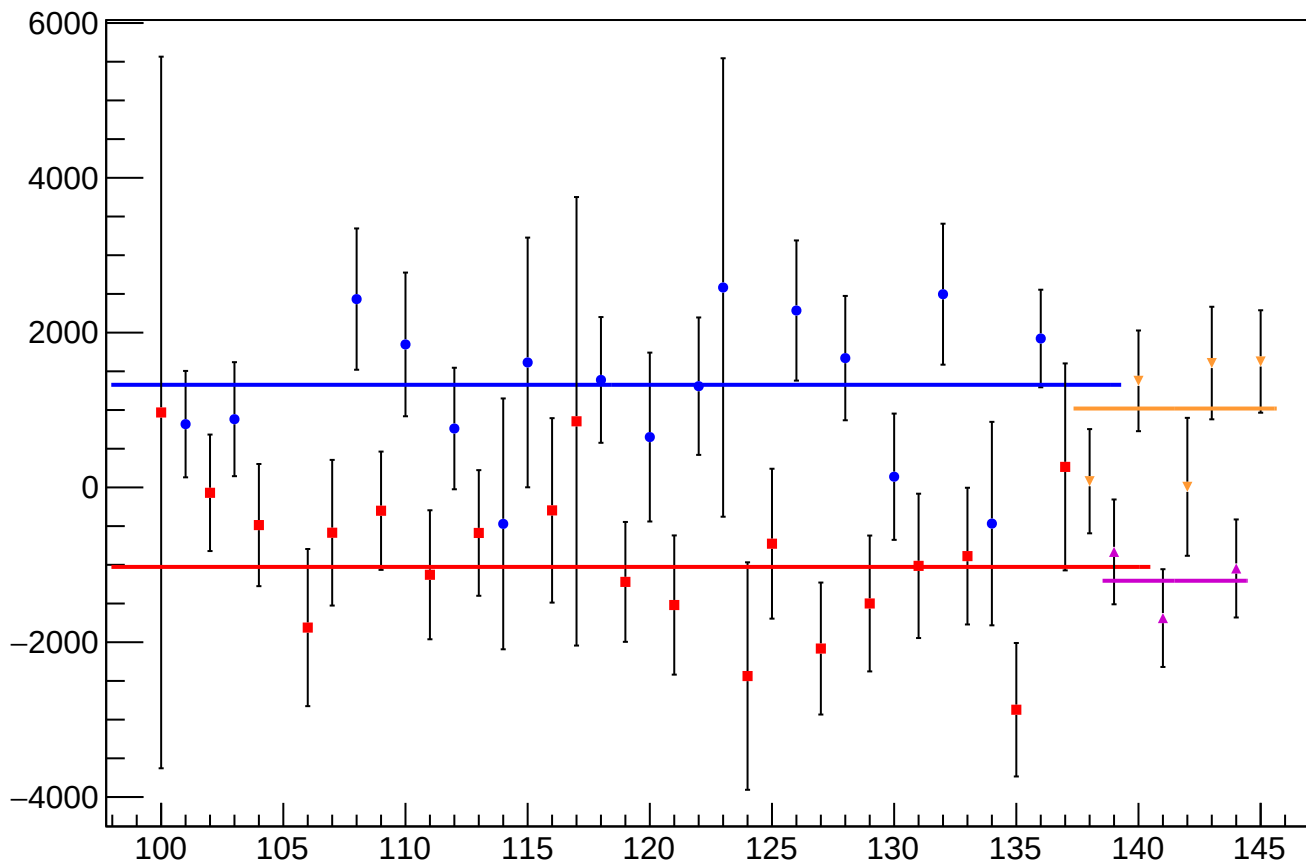
Right Out: 717.067+/-0.198 χ^2/NDF : 968442.7/18

Left In: 1021.809+/-0.466 χ^2/NDF : 17057.2/2

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

763.752+/-0.182 χ^2/NDF : 1348122.1/21

reg_asym_right_avg_mean vs Slug



Right In: 1325.776 ± 218.106 $\chi^2/\text{NDF}: 12.9/16$

Left Out: 1019.253 ± 316.181 $\chi^2/\text{NDF}: 5.0/4$

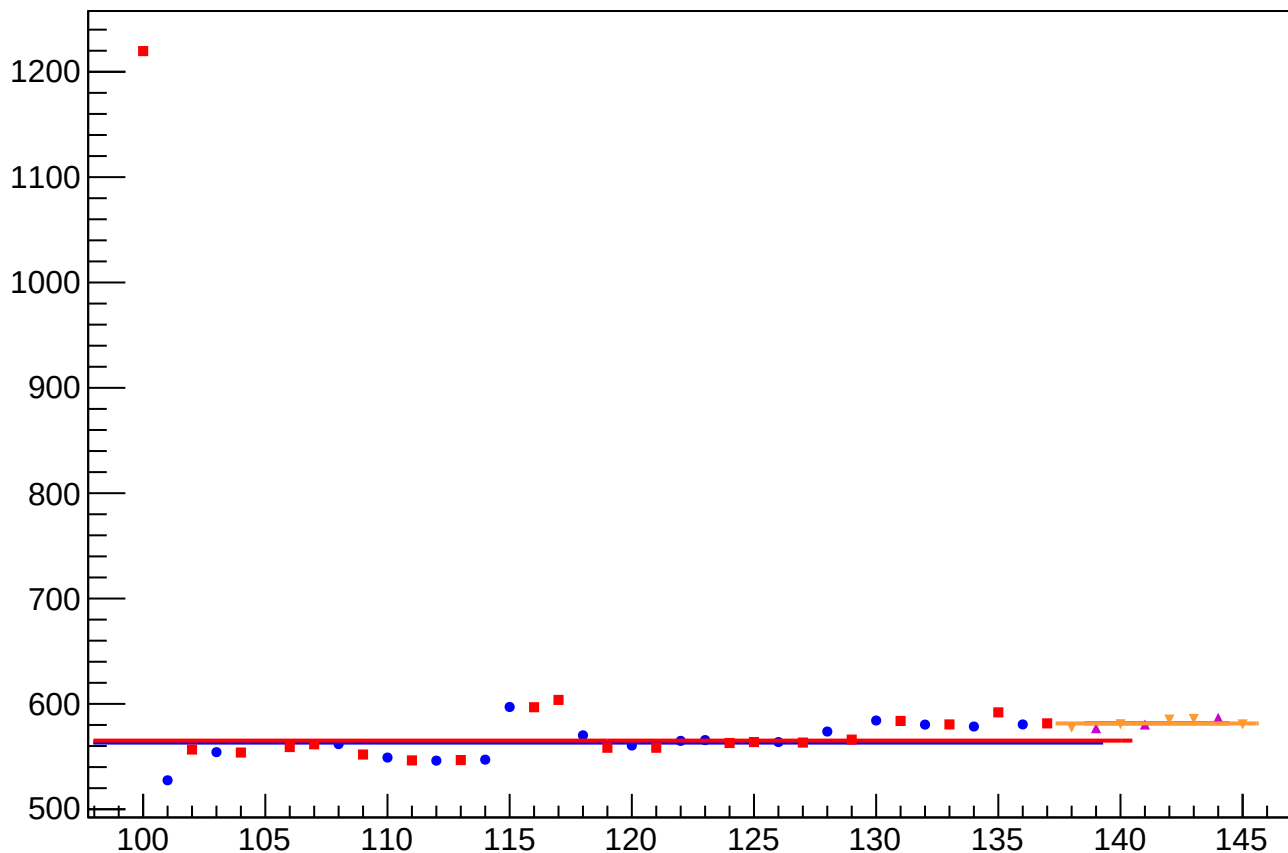
Right Out: -1026.996 ± 211.021 $\chi^2/\text{NDF}: 13.8/19$

Left In: -1205.835 ± 373.160 $\chi^2/\text{NDF}: 0.9/2$

1226.946 ± 179.534 $\chi^2/\text{NDF}: 18.6/21$

-1070.329 ± 183.685 $\chi^2/\text{NDF}: 15.0/22$

reg_asym_right_avg_rms vs Slug



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

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

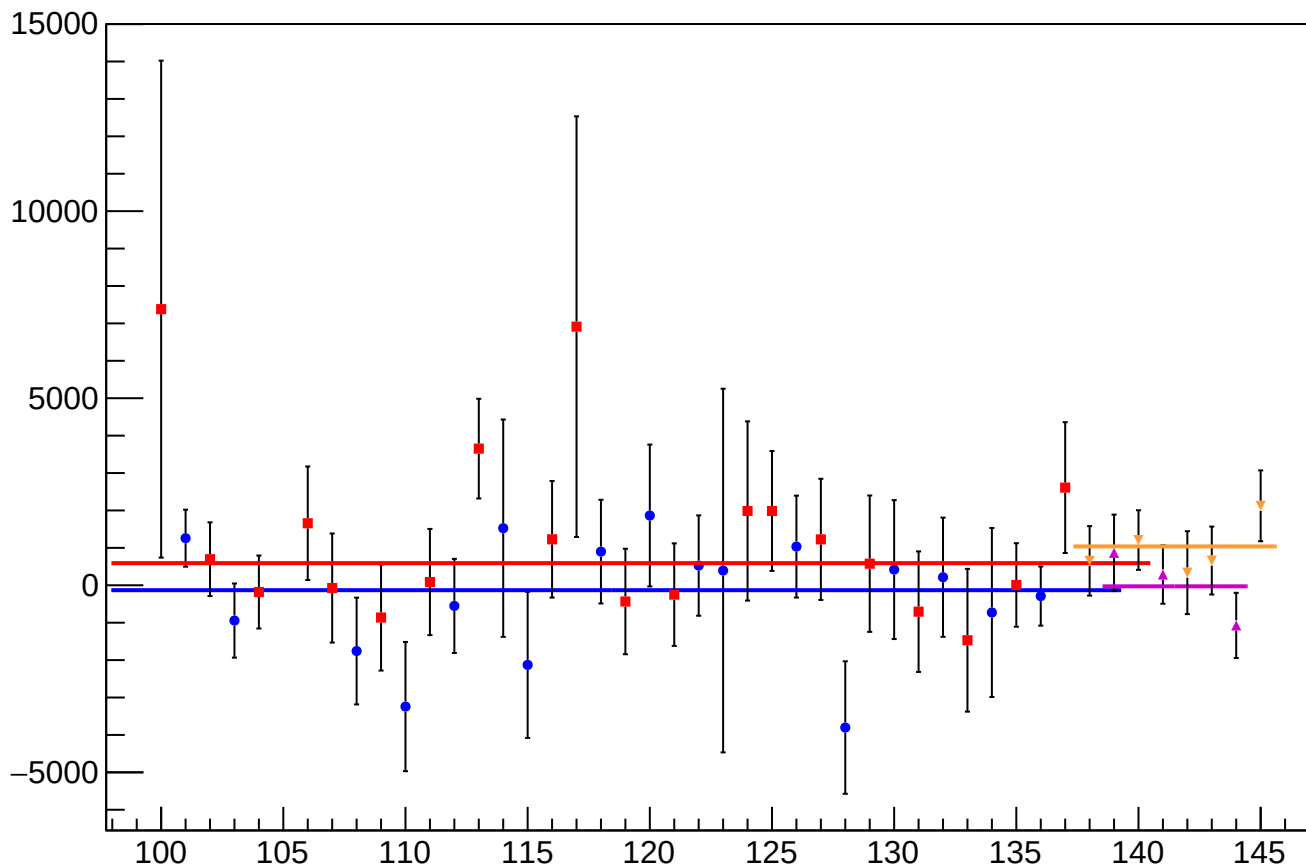
Right Out: 565.150+/-0.149 χ^2/NDF : 49653.1/19

Left In: 581.588+/-0.264 χ^2/NDF : 238.6/2

569.125+/-0.127 χ^2/NDF : 17176.2/21

569.133+/-0.130 χ^2/NDF : 52832.3/22

asym_right_avg_correction_mean vs Slug



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

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

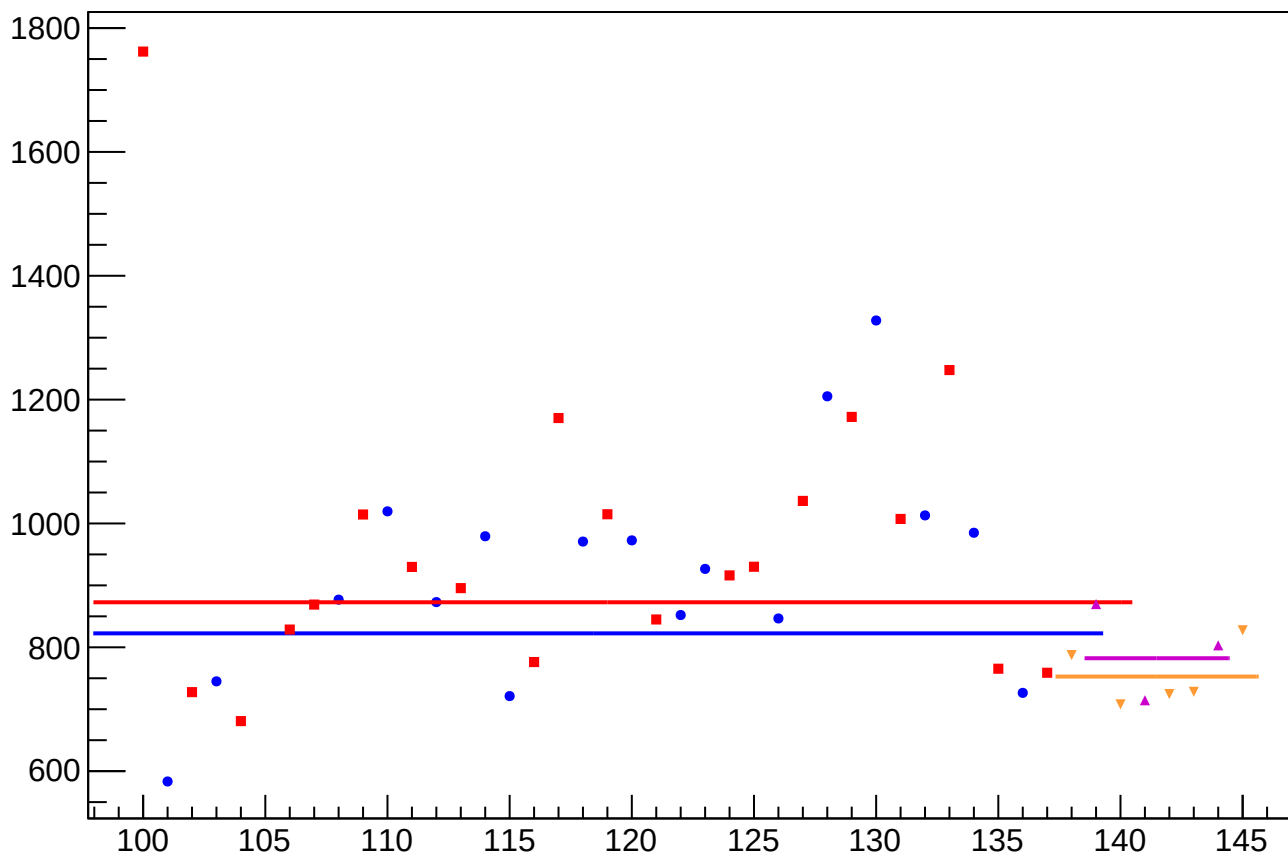
Right Out: 591.948+/-331.825 χ^2/NDF : 15.9/19

Left In: -28.116+/-505.662 χ^2/NDF : 2.4/2

321.489+/-256.520 χ^2/NDF : 24.3/21

405.307+/-277.425 χ^2/NDF : 19.3/22

asym_right_avg_correction_rms vs Slug



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

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

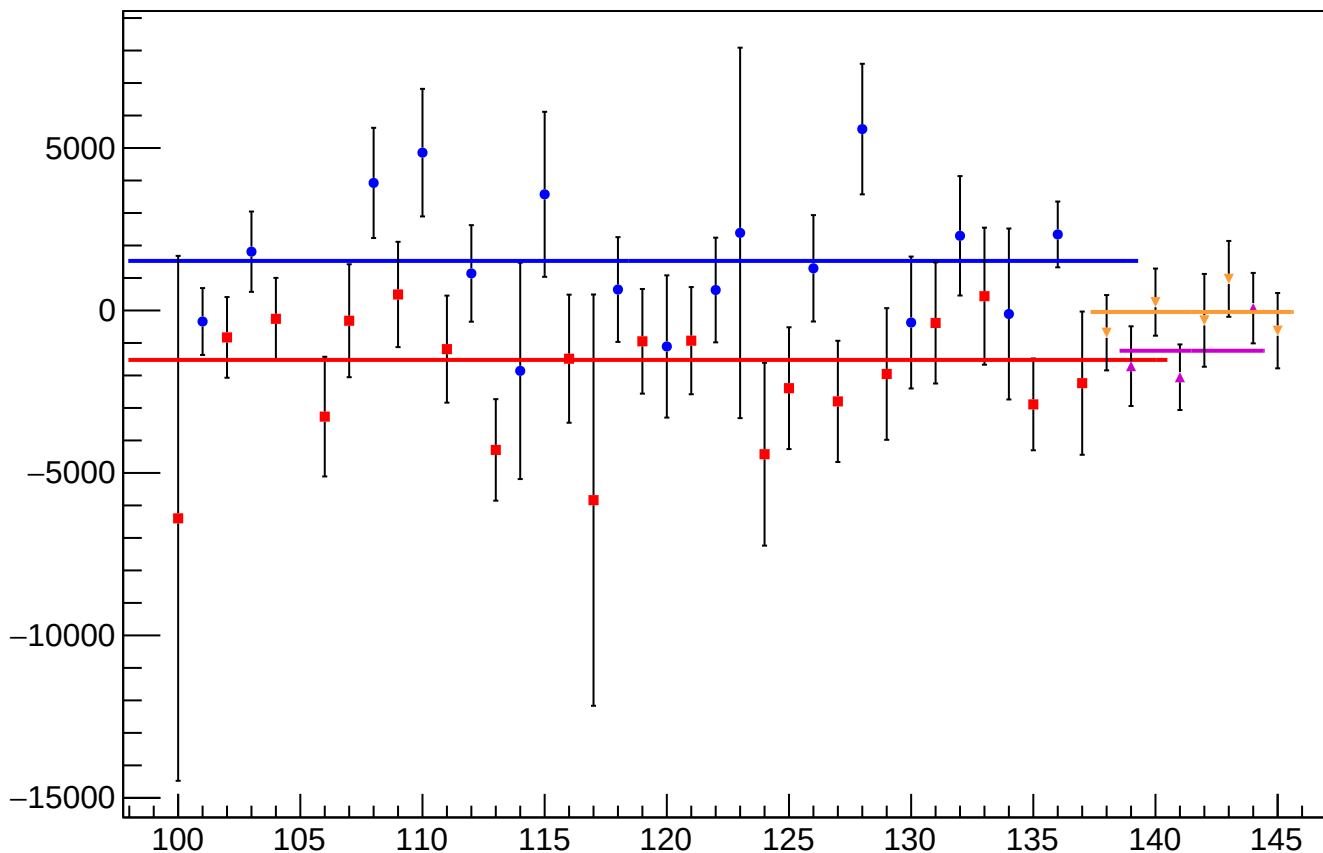
Right Out: 872.719 ± 0.235 χ^2/NDF : 412481.2/19

Left In: 782.356 ± 0.358 χ^2/NDF : 30887.1/2

795.539 ± 0.181 χ^2/NDF : 660423.6/21

845.520 ± 0.196 χ^2/NDF : 488013.1/22

asym_right_avg_mean vs Slug



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

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

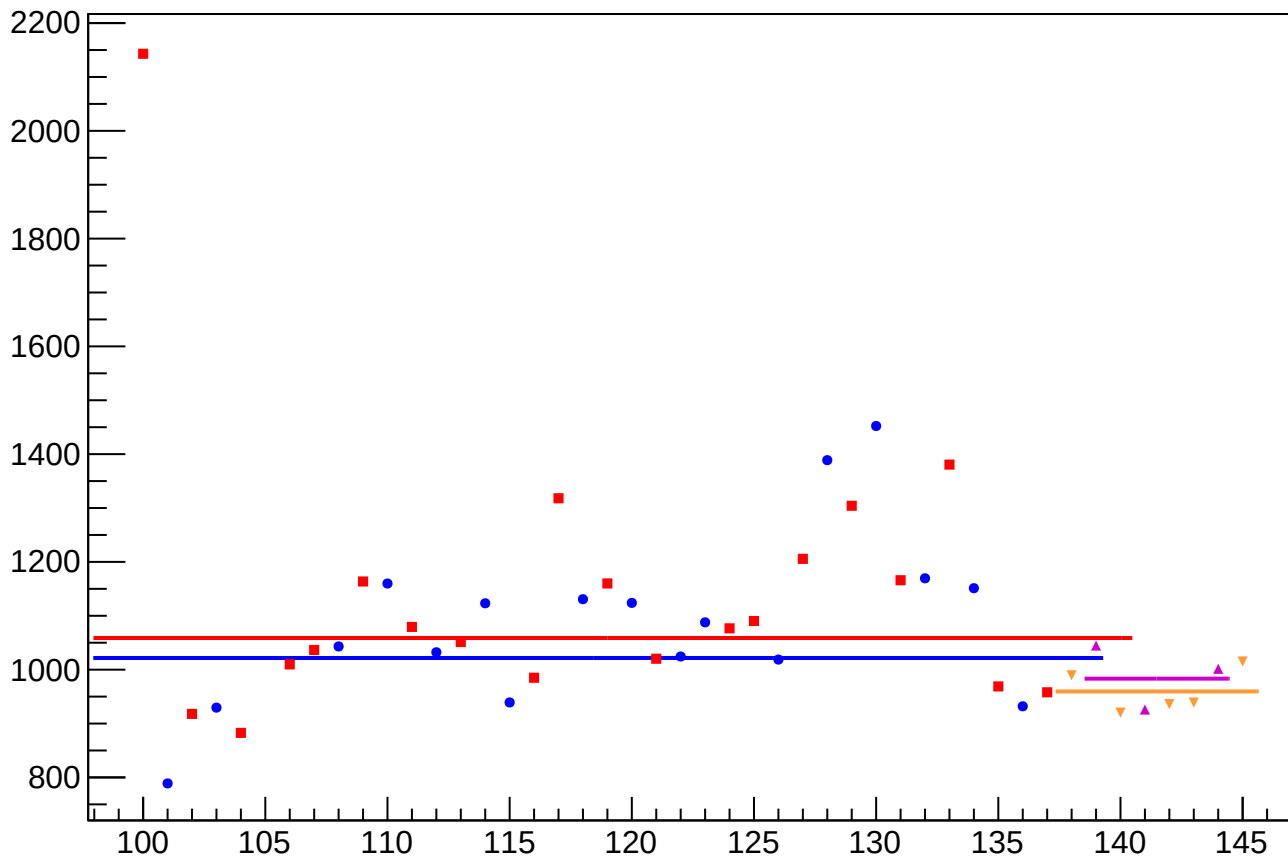
Right Out: -1521.641 ± 399.157 χ^2/NDF : 12.6/19

Left In: -1238.726 ± 632.780 χ^2/NDF : 2.3/2

942.999 ± 318.714 χ^2/NDF : 25.3/21

-1441.111 ± 337.601 χ^2/NDF : 15.0/22

asym_right_avg_rms vs Slug



Right In: 1021.665 $\pm$ 0.284 χ^2 /NDF: 331949.3/16

Left Out: 959.605 $\pm$ 0.370 χ^2 /NDF: 10010.6/4

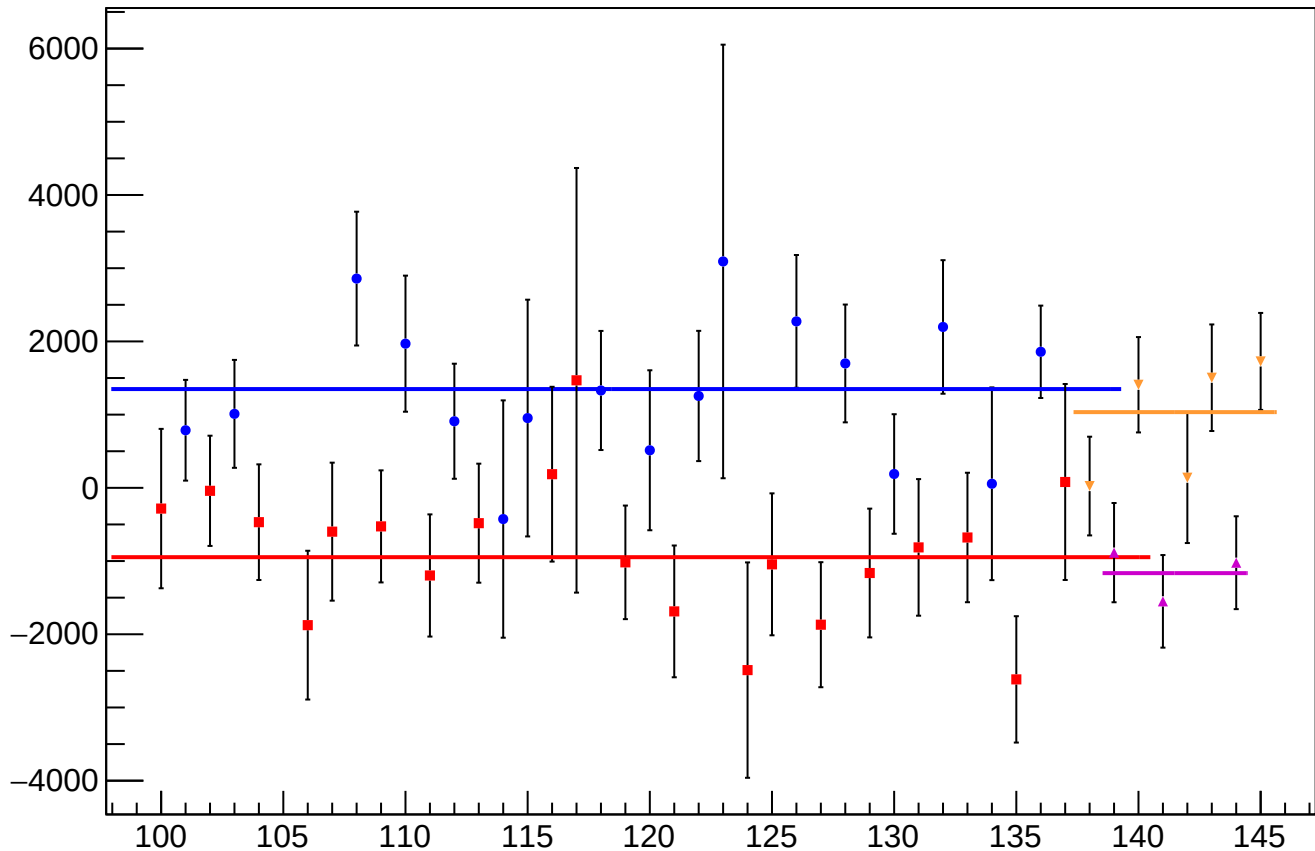
Right Out: 1058.783 $\pm$ 0.282 χ^2 /NDF: 234314.8/19

Left In: 983.350 $\pm$ 0.447 χ^2 /NDF: 12022.2/2

998.656 $\pm$ 0.225 χ^2 /NDF: 359650.8/21

1037.311 $\pm$ 0.239 χ^2 /NDF: 266668.8/22

reg_asym_right_dd_mean vs Slug



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

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

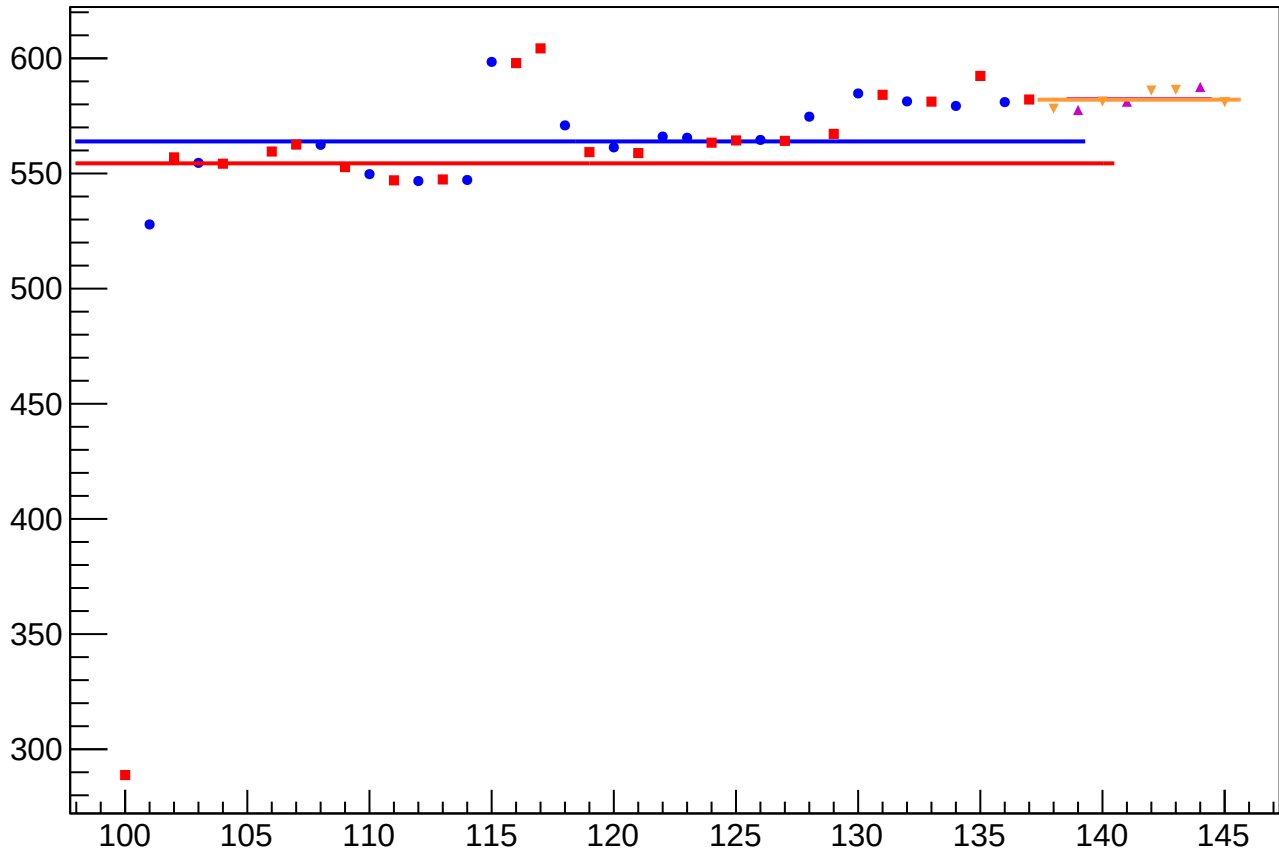
Right Out: -947.051+/-207.609 χ^2/NDF : 12.9/19

Left In: -1165.000+/-373.620 χ^2/NDF : 0.6/2

1247.600+/-179.739 χ^2/NDF : 18.1/21

-998.470+/-181.474 χ^2/NDF : 13.8/22

reg_asym_right_dd_rms vs Slug



Right In: 563.922 ± 0.154 $\chi^2/\text{NDF}: 12663.1/16$

Left Out: 582.064 ± 0.224 $\chi^2/\text{NDF}: 183.2/4$

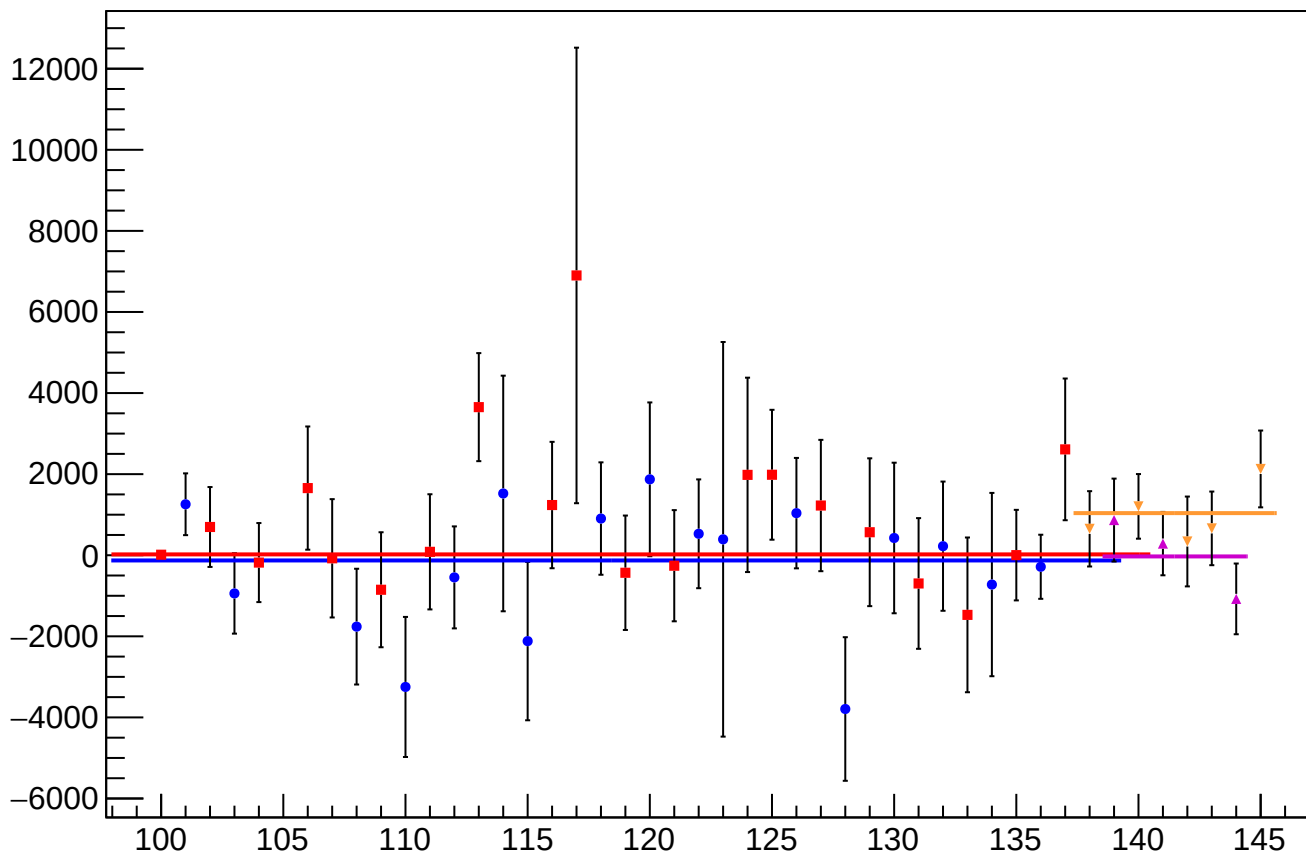
Right Out: 554.402 ± 0.147 $\chi^2/\text{NDF}: 132560.6/19$

Left In: 582.304 ± 0.264 $\chi^2/\text{NDF}: 243.5/2$

569.772 ± 0.127 $\chi^2/\text{NDF}: 17297.8/21$

560.984 ± 0.128 $\chi^2/\text{NDF}: 141326.8/22$

asym_right_dd_correction_mean vs Slug



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

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

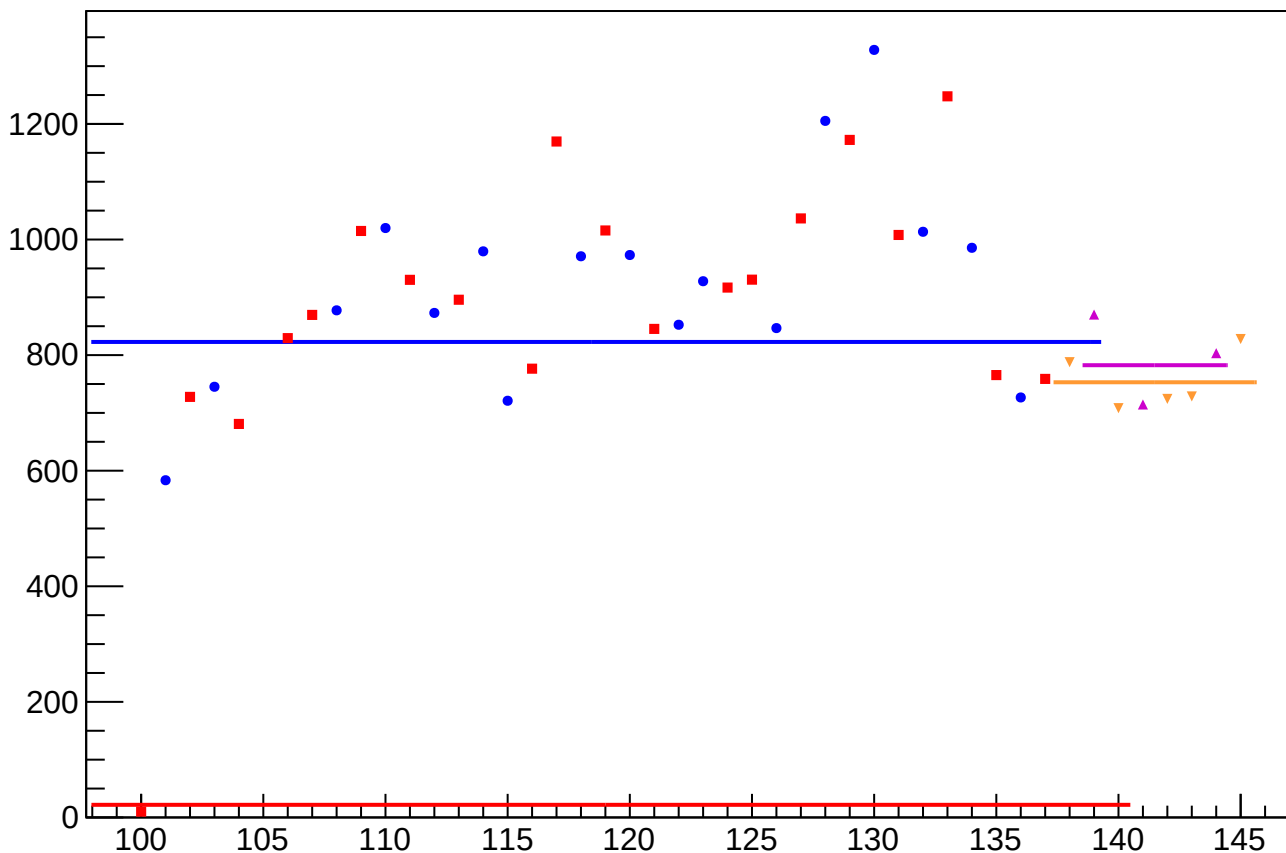
Right Out: 20.715+/-38.953 χ^2/NDF : 17.6/19

Left In: -29.442+/-505.792 χ^2/NDF : 2.4/2

322.931+/-256.602 χ^2/NDF : 24.2/21

20.419+/-38.838 χ^2/NDF : 20.0/22

asym_right_dd_correction_rms vs Slug



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

Left Out: 753.005 $\pm$ 0.292 χ^2/NDF :24410.2/4

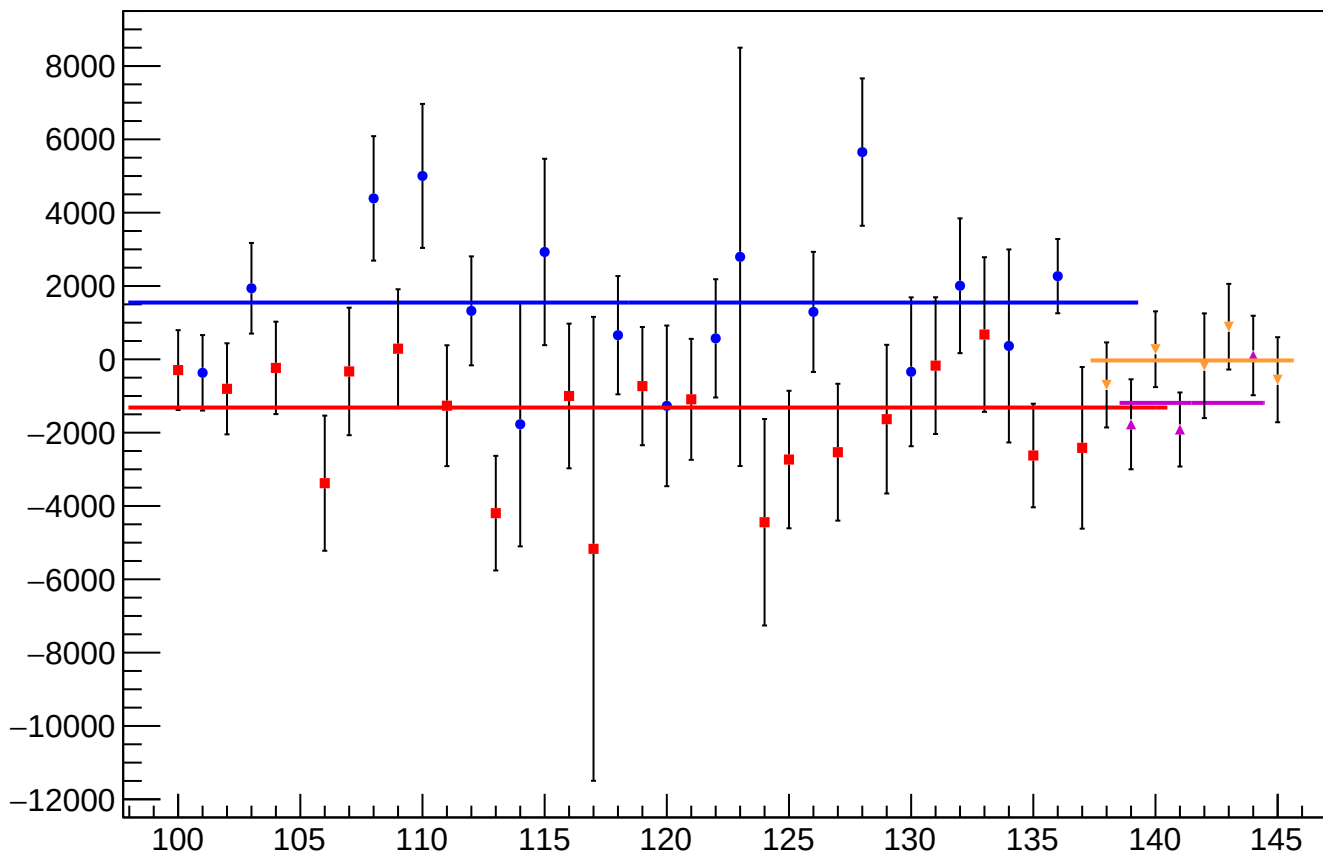
Right Out: 21.867 $\pm$ 0.028 χ^2/NDF : 13607091.0/19

Left In: 782.537 $\pm$ 0.358 χ^2/NDF :30963.5/2

795.791 $\pm$ 0.181 χ^2/NDF : 660359.2/21

26.353 $\pm$ 0.027 χ^2/NDF : 18134919.5/22

asym_right_dd_mean vs Slug



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

Left Out: -29.548 $\pm$ 523.763 χ^2 /NDF: 1.3/4

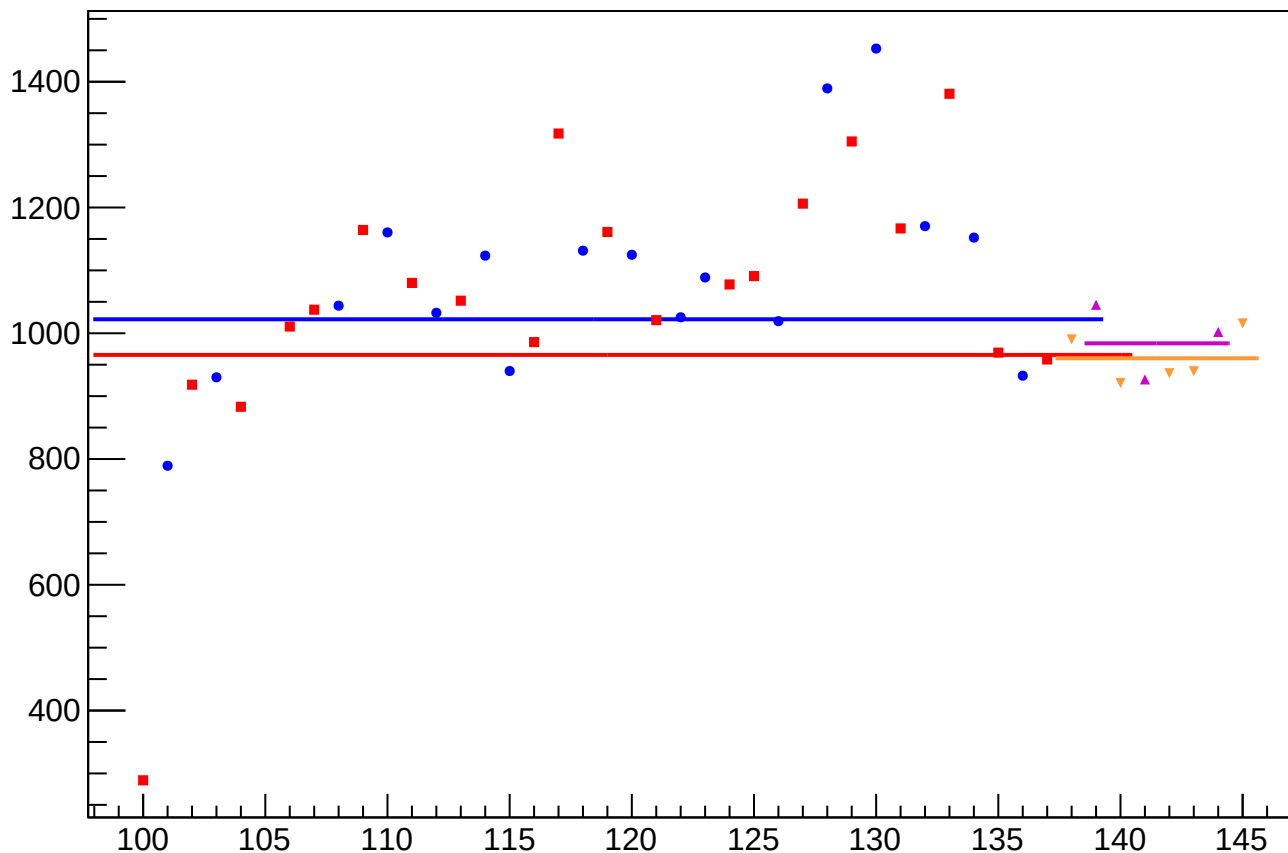
Right Out: -1314.562 $\pm$ 375.381 χ^2 /NDF: 12.9/19

Left In: -1187.776 $\pm$ 633.188 χ^2 /NDF: 2.2/2

963.722 $\pm$ 318.902 χ^2 /NDF: 25.9/21

-1281.590 $\pm$ 322.901 χ^2 /NDF: 15.1/22

asym_right_dd_rms vs Slug



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

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

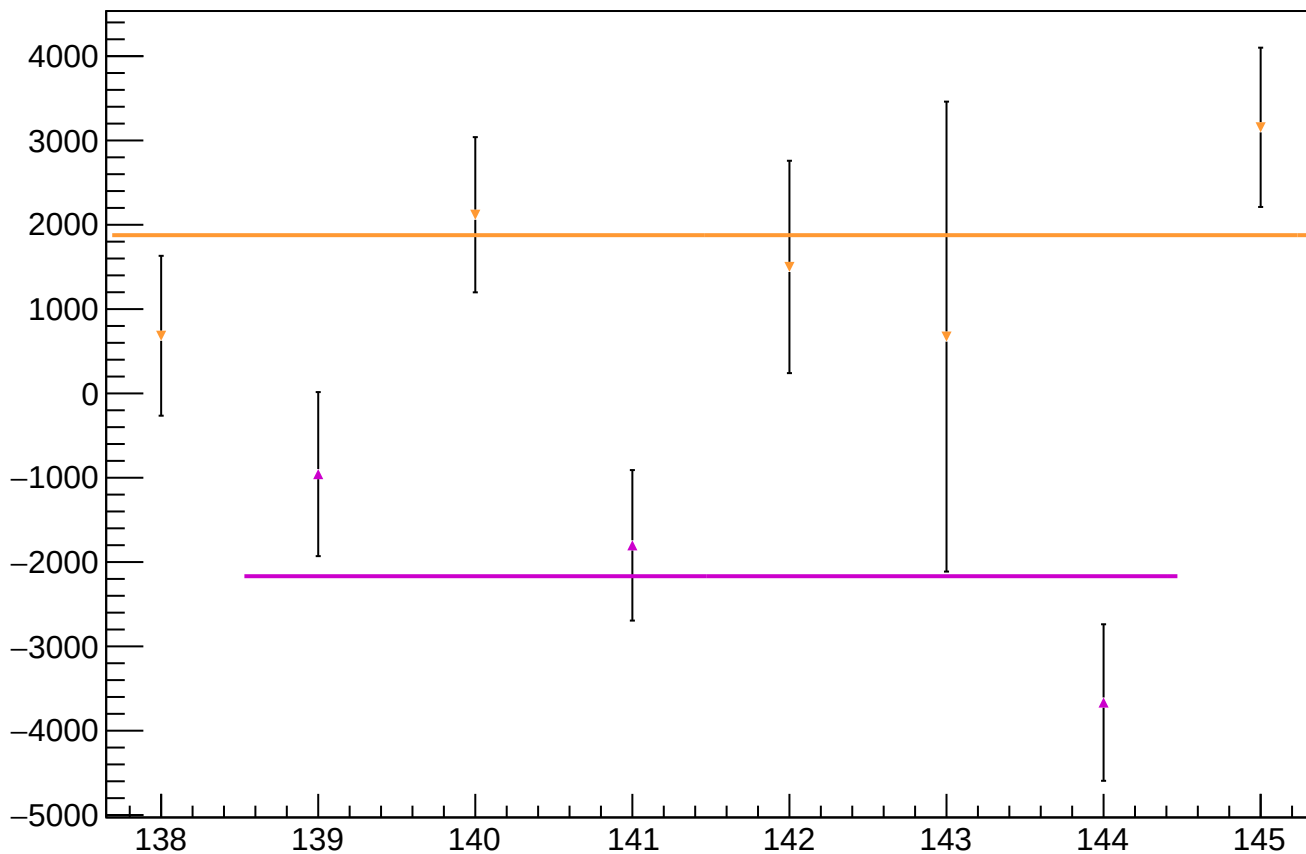
Right Out: 965.574+/-0.265 χ^2/NDF : 1073497.1/19

Left In: 983.983+/-0.448 χ^2/NDF :12008.0/2

999.249+/-0.225 χ^2/NDF : 359506.3/21

970.361+/-0.228 χ^2/NDF : 1086756.0/22

cor_asym_us_avg_mean vs Slug



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

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

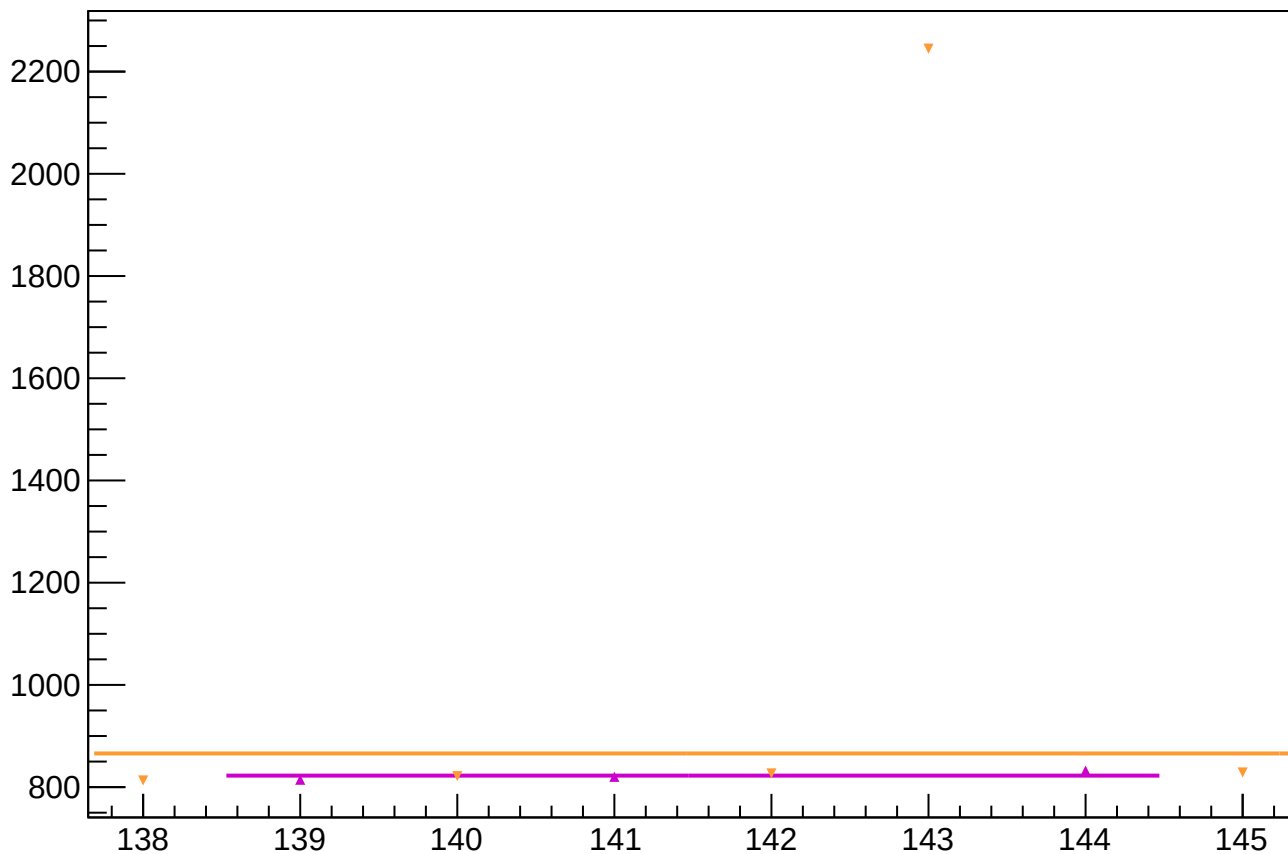
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2167.824+/-536.615 χ^2/NDF : 4.3/2

1876.754+/-489.519 χ^2/NDF : 3.8/4

-2167.824+/-536.615 χ^2/NDF : 4.3/2

cor_asym_us_avg_rms vs Slug



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

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

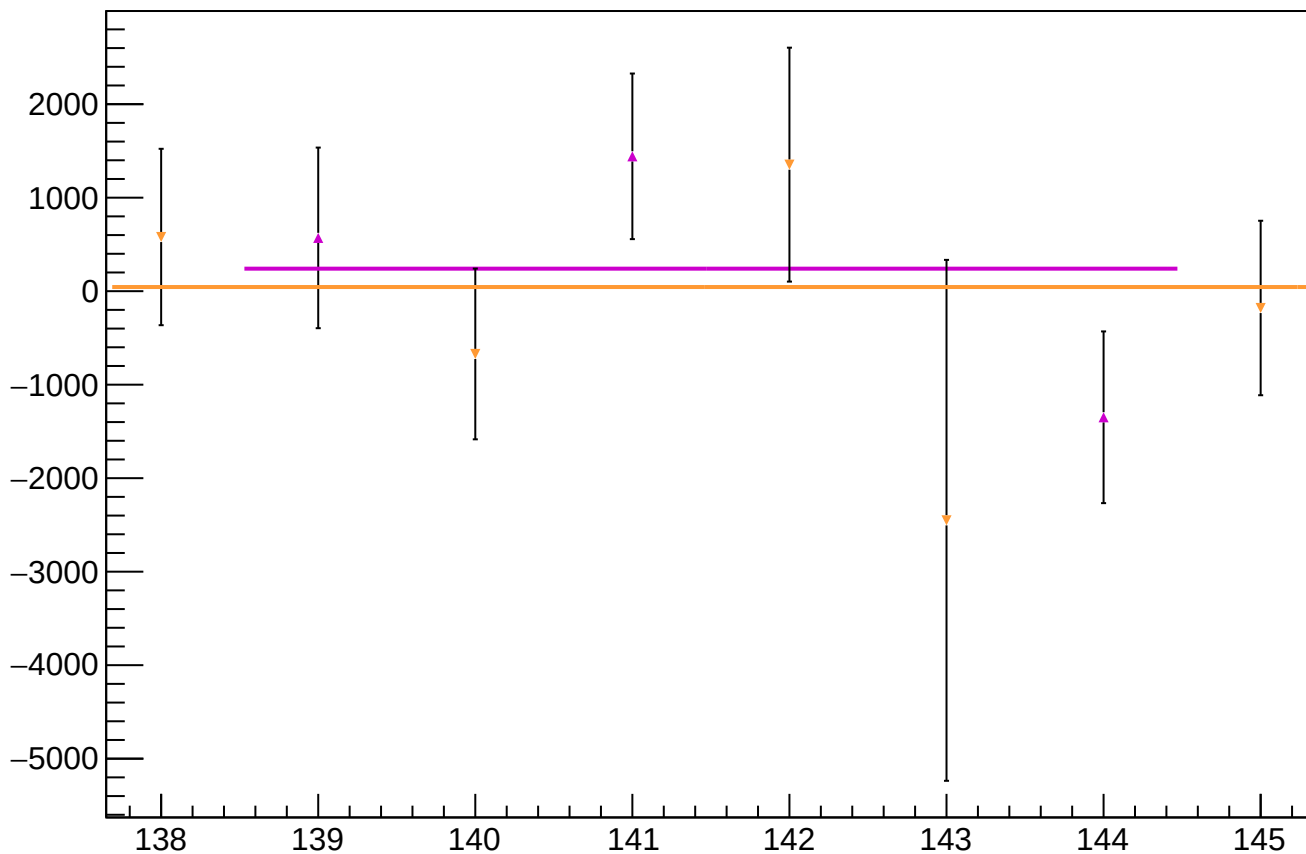
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 822.536+/-0.379 χ^2/NDF : 377.5/2

865.904+/-0.346 χ^2/NDF : 505560.6/4

822.536+/-0.379 χ^2/NDF : 377.5/2

cor_asym_us_dd_mean vs Slug



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

Left Out: 44.363 $\pm$ 485.643 χ^2 /NDF: 2.9/4

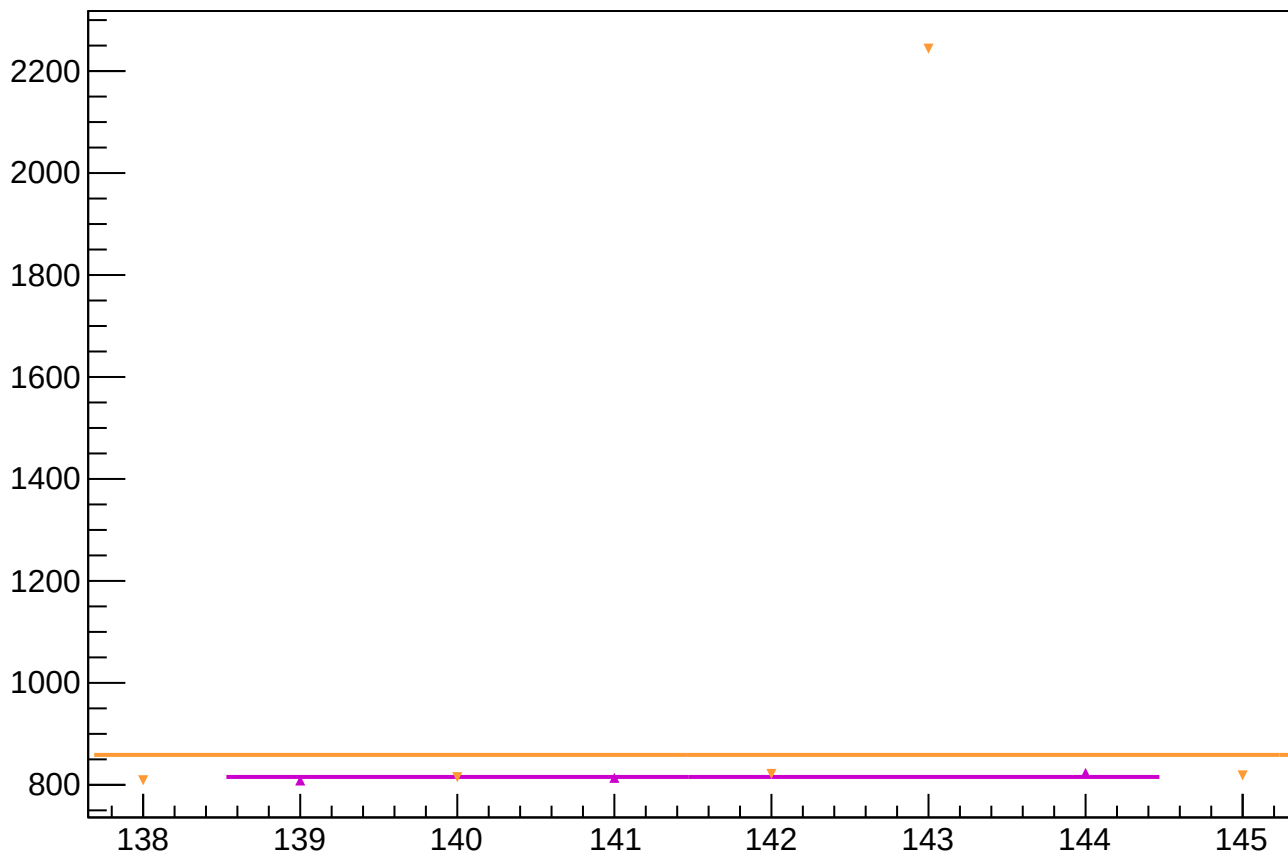
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 240.789 $\pm$ 532.008 χ^2 /NDF: 5.0/2

44.363 $\pm$ 485.643 χ^2 /NDF: 2.9/4

240.789 $\pm$ 532.008 χ^2 /NDF: 5.0/2

cor_asym_us_dd_rms vs Slug



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

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

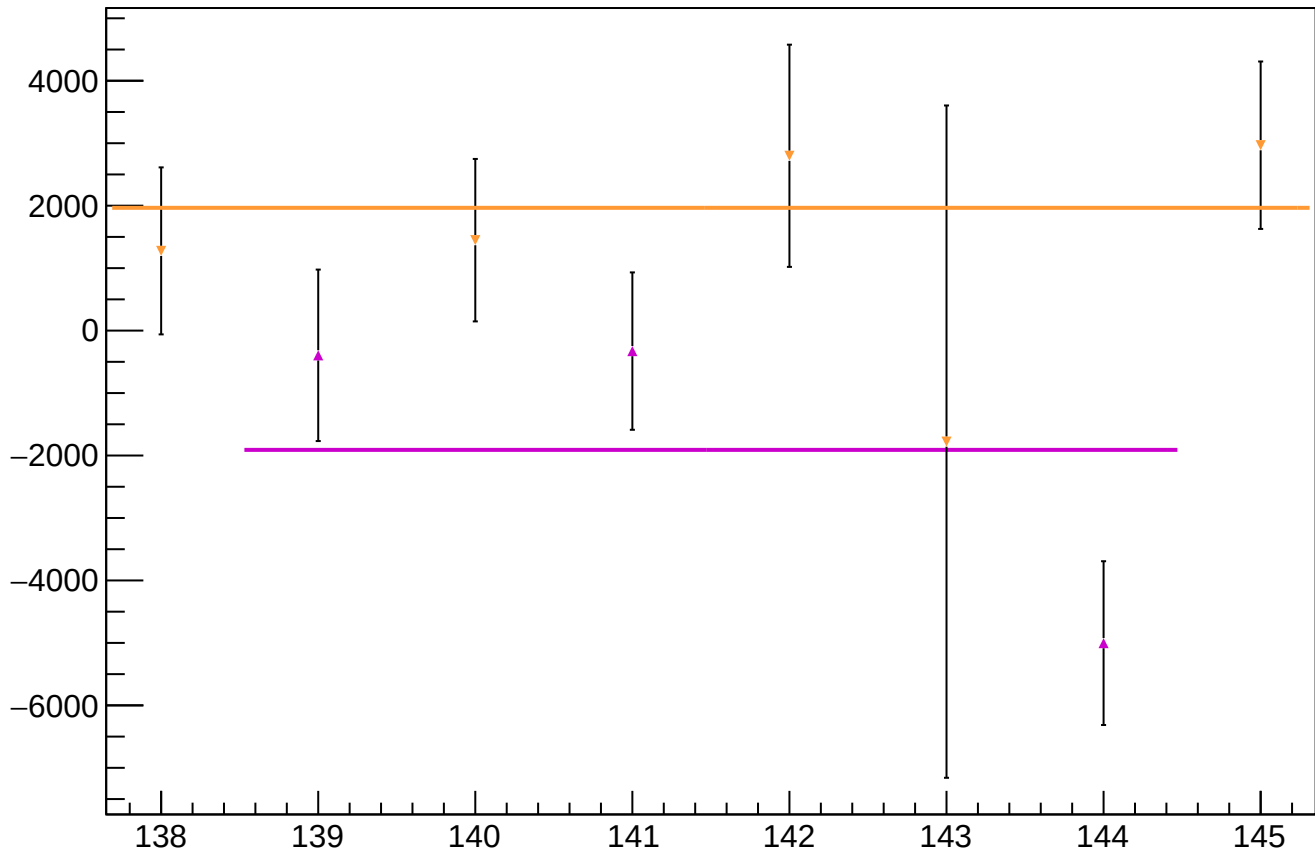
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 815.528+/-0.376 χ^2/NDF : 260.7/2

858.766+/-0.343 χ^2/NDF : 510170.9/4

815.528+/-0.376 χ^2/NDF : 260.7/2

cor_asym_usl_mean vs Slug



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

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

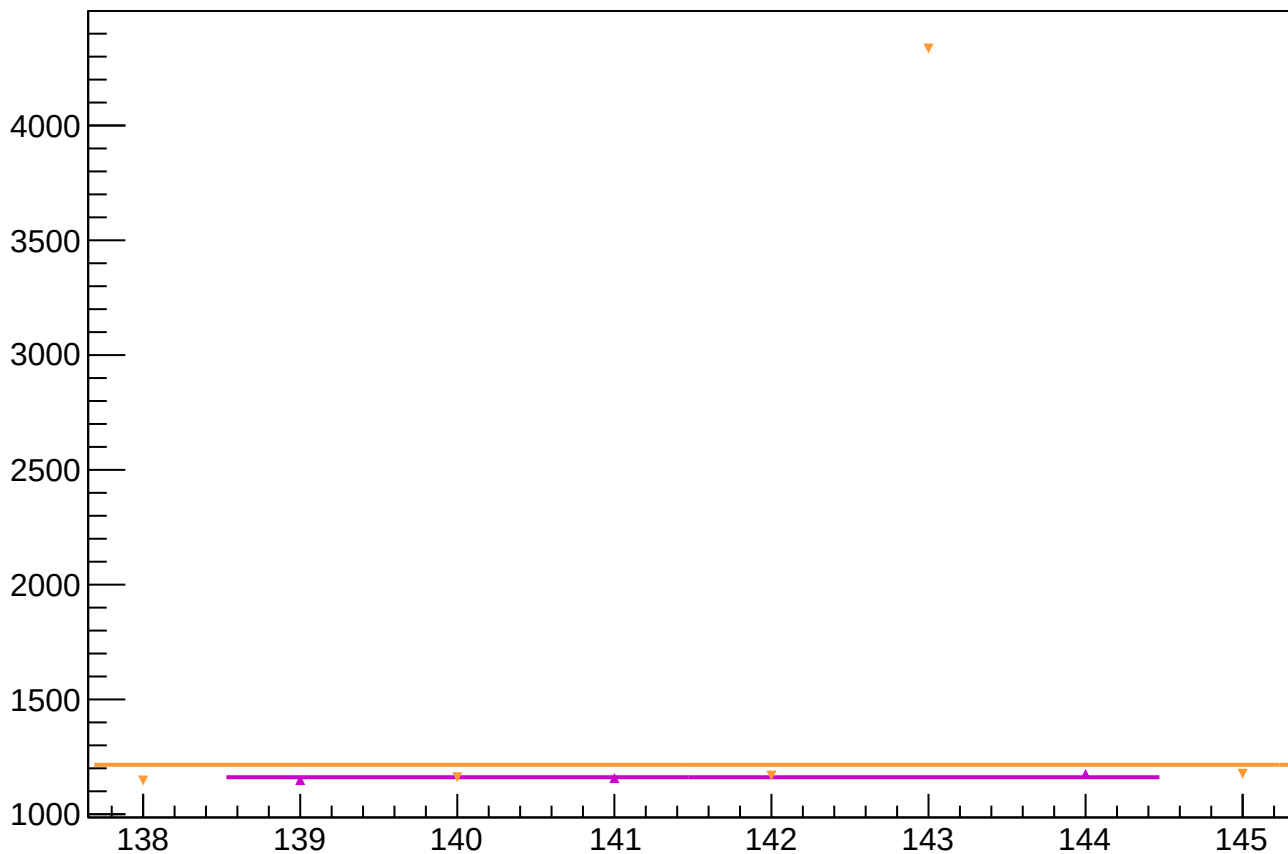
1965.717+/-697.073 χ^2/NDF : 1.7/4

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

-1909.592+/-757.523 χ^2/NDF : 8.4/2

Left In: -1909.592+/-757.523 χ^2/NDF : 8.4/2

cor_asym_usl_rms vs Slug



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

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

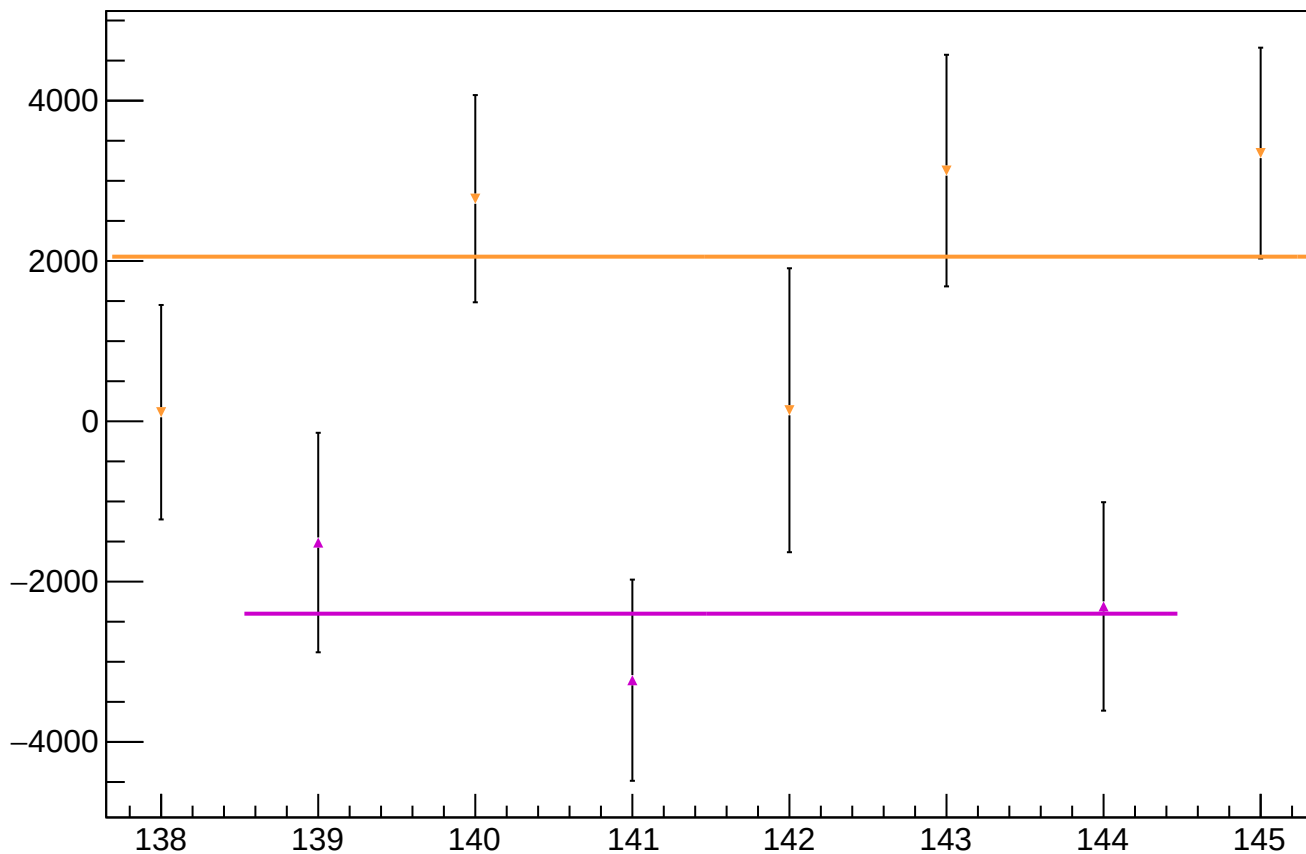
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1161.178+/-0.536 χ^2/NDF : 414.8/2

1215.372+/-0.493 χ^2/NDF : 684065.6/4

1161.178+/-0.536 χ^2/NDF : 414.8/2

cor_asym_usr_mean vs Slug



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

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

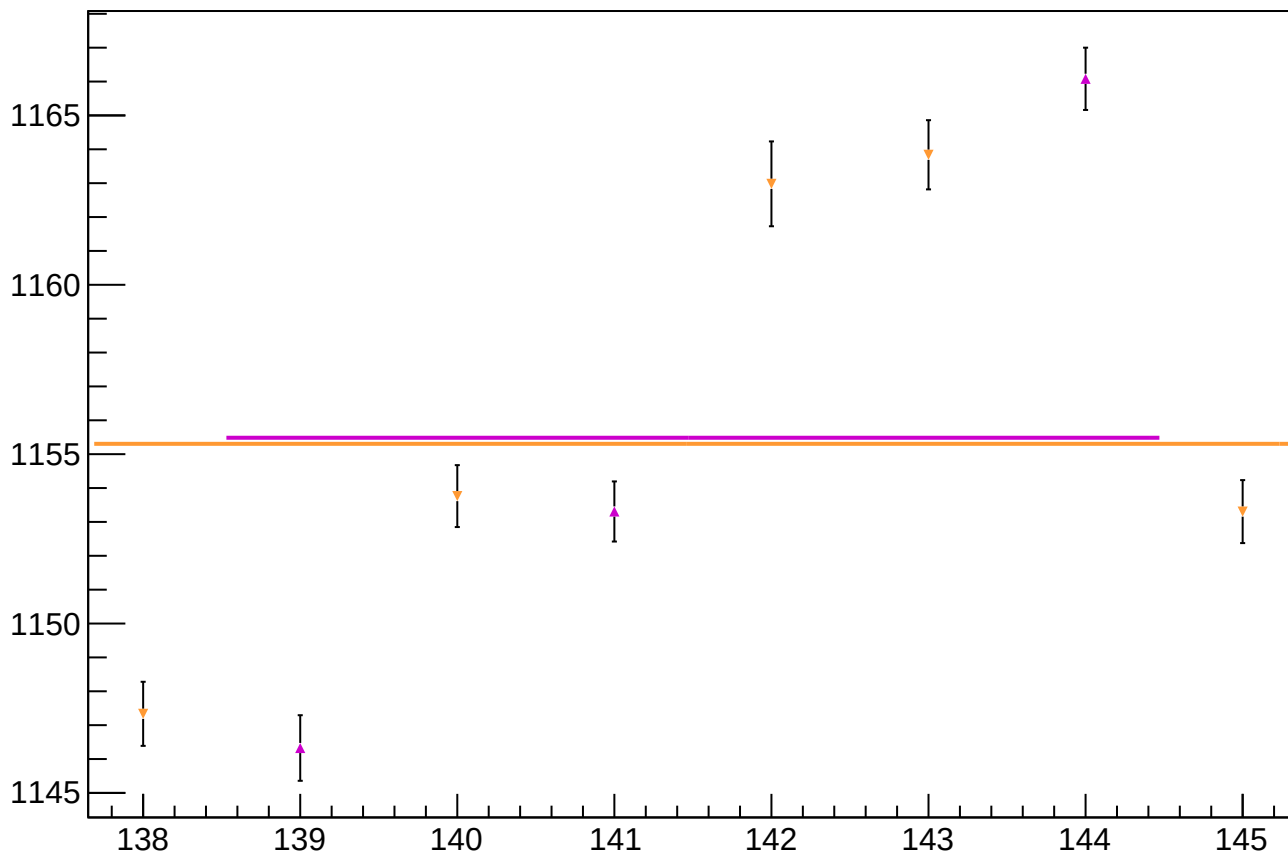
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2400.068+/-753.788 χ^2/NDF : 0.9/2

2053.977+/-628.246 χ^2/NDF : 5.1/4

-2400.068+/-753.788 χ^2/NDF : 0.9/2

cor_asym_usr_rms vs Slug



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

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

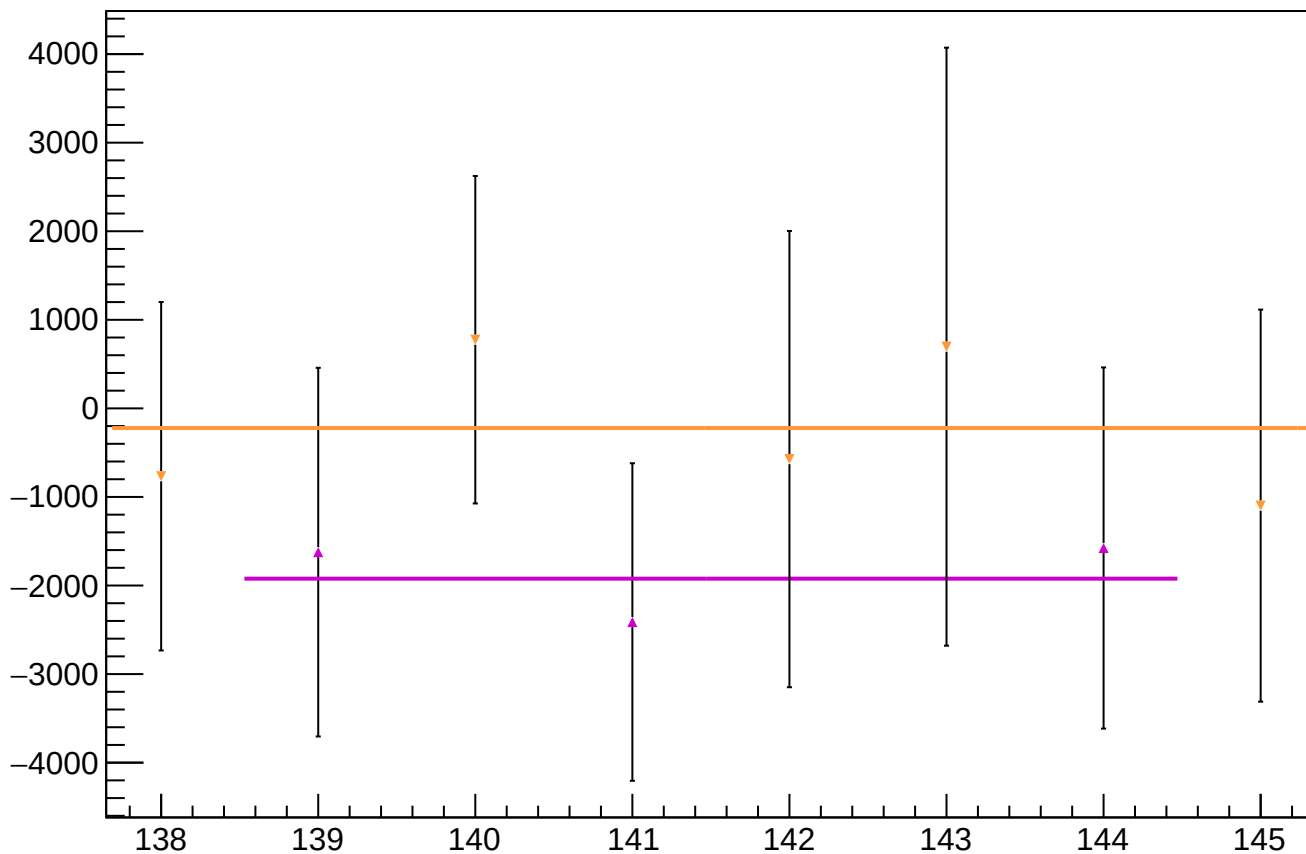
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1155.485+/-0.533 χ^2/NDF : 228.3/2

1155.305+/-0.444 χ^2/NDF : 185.8/4

1155.485+/-0.533 χ^2/NDF : 228.3/2

asym_us_agg_avg_mean vs Slug



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

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

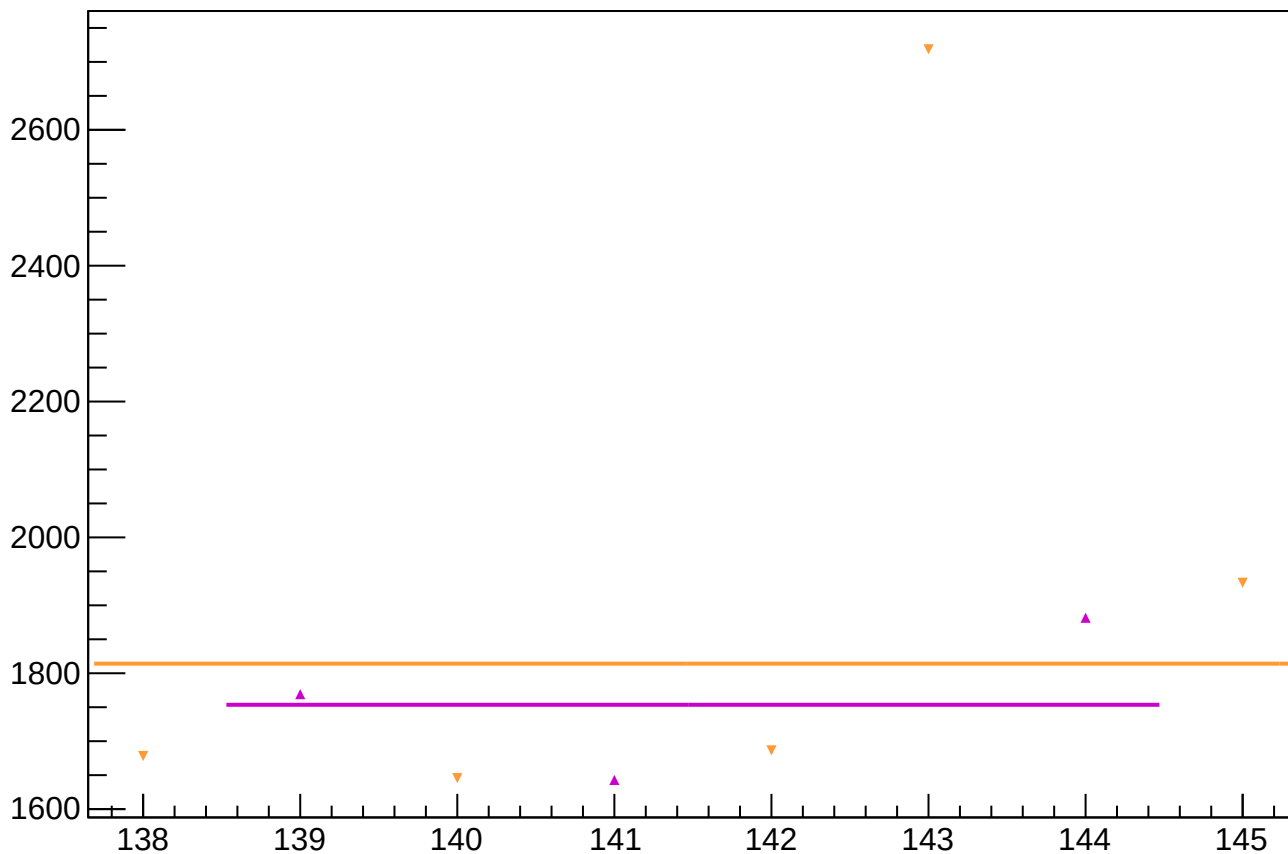
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1922.569+/-1130.445 χ^2/NDF : 0.1/2

-221.999+/-1003.181 χ^2/NDF : 0.6/4

-1922.569+/-1130.445 χ^2/NDF : 0.1/2

asym_us_agg_avg_rms vs Slug



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

1814.127+/-0.709 χ^2/NDF : 180418.8/4

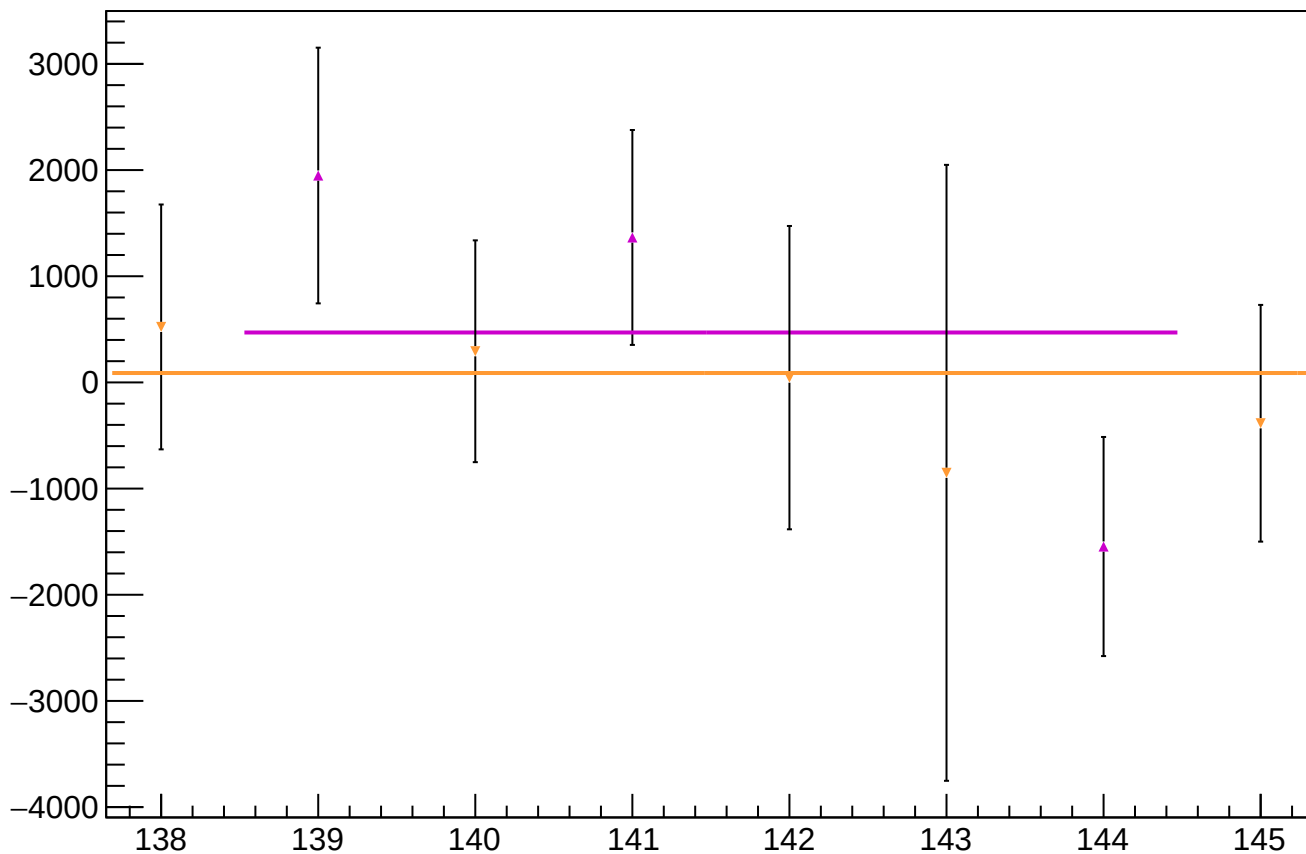
Left Out: 1814.127+/-0.709 χ^2/NDF : 180418.8/4

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

1753.587+/-0.799 χ^2/NDF : 15626.9/2

Left In: 1753.587+/-0.799 χ^2/NDF : 15626.9/2

asym_us_agg_dd_mean vs Slug



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

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

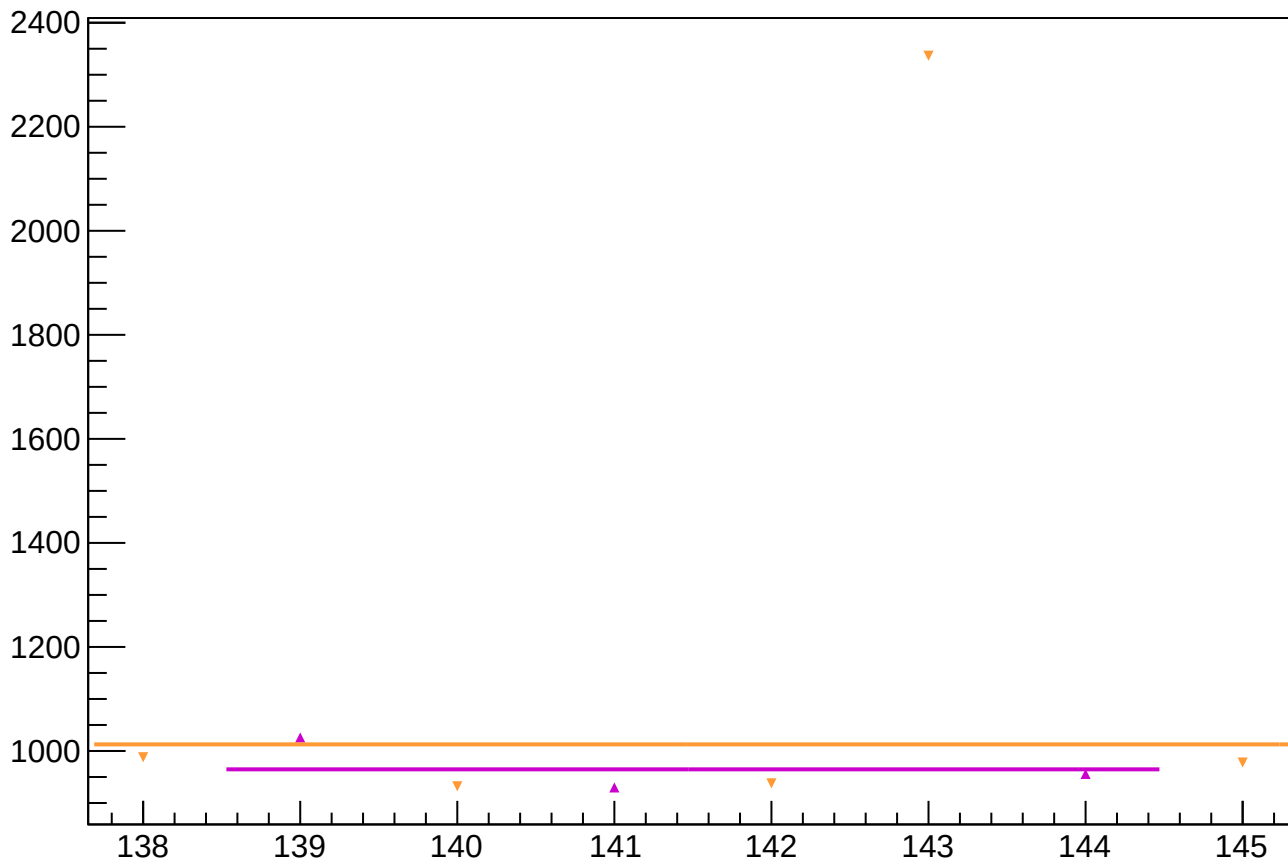
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 470.211+/-619.581 χ^2/NDF : 6.1/2

88.576+/-569.612 χ^2/NDF : 0.5/4

470.211+/-619.581 χ^2/NDF : 6.1/2

asym_us_agg_dd_rms vs Slug



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

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

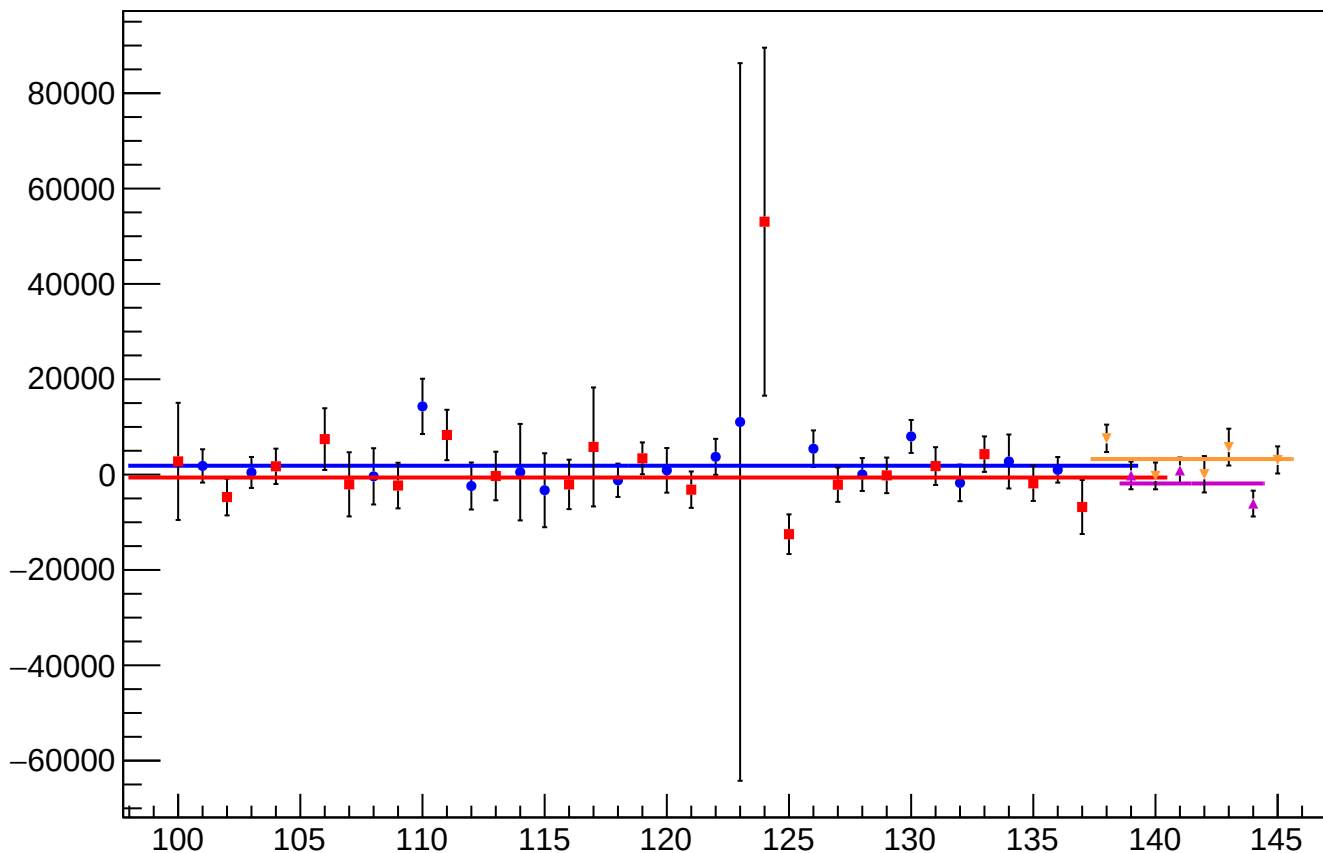
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 964.708+/-0.438 χ^2/NDF : 7689.3/2

1012.714+/-0.403 χ^2/NDF : 436890.9/4

964.708+/-0.438 χ^2/NDF : 7689.3/2

reg_asym_atl1_mean vs Slug



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

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

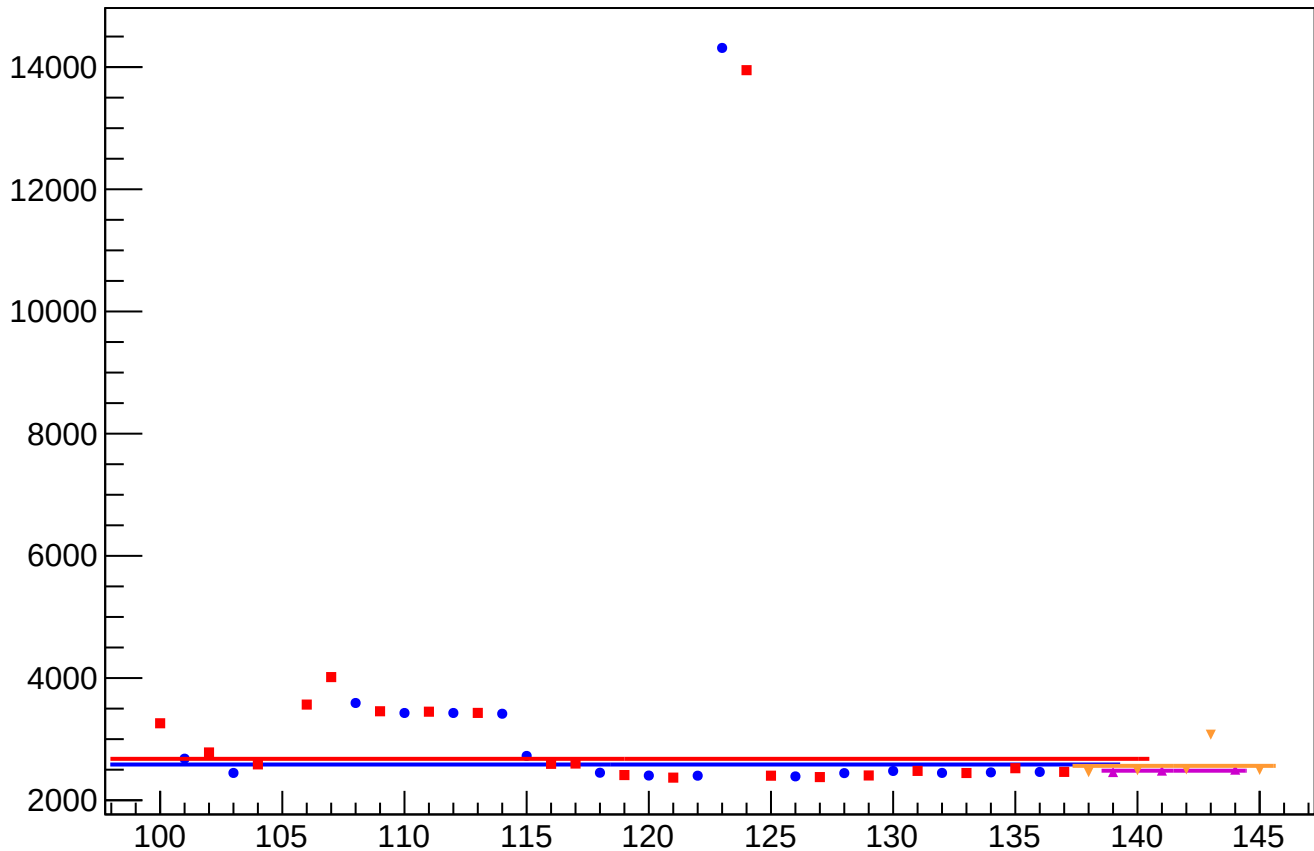
Right Out: -611.041 $\pm$ 1020.345 χ^2 /NDF: 22.3/19

Left In: -1861.273 $\pm$ 1596.953 χ^2 /NDF: 3.8/2

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

-973.473 $\pm$ 859.824 χ^2 /NDF: 26.6/22

reg_asym_atl1_rms vs Slug



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

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

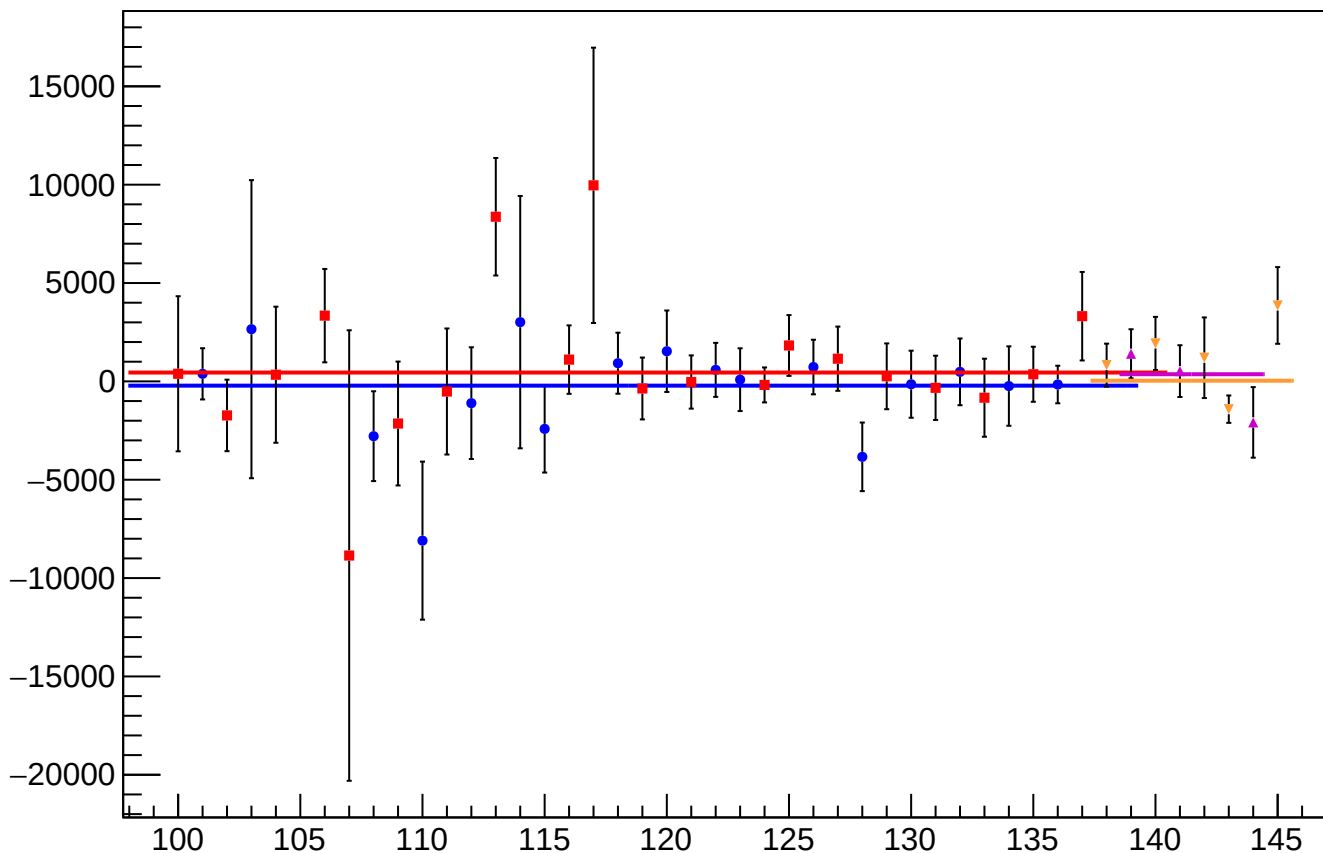
2577.315+/-0.581 χ^2/NDF : 296498.2/21

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

2621.404+/-0.608 χ^2/NDF : 553380.8/22

Left In: 2483.476+/-1.129 χ^2/NDF : 197.3/2

asym_atl1_correction_mean vs Slug



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

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

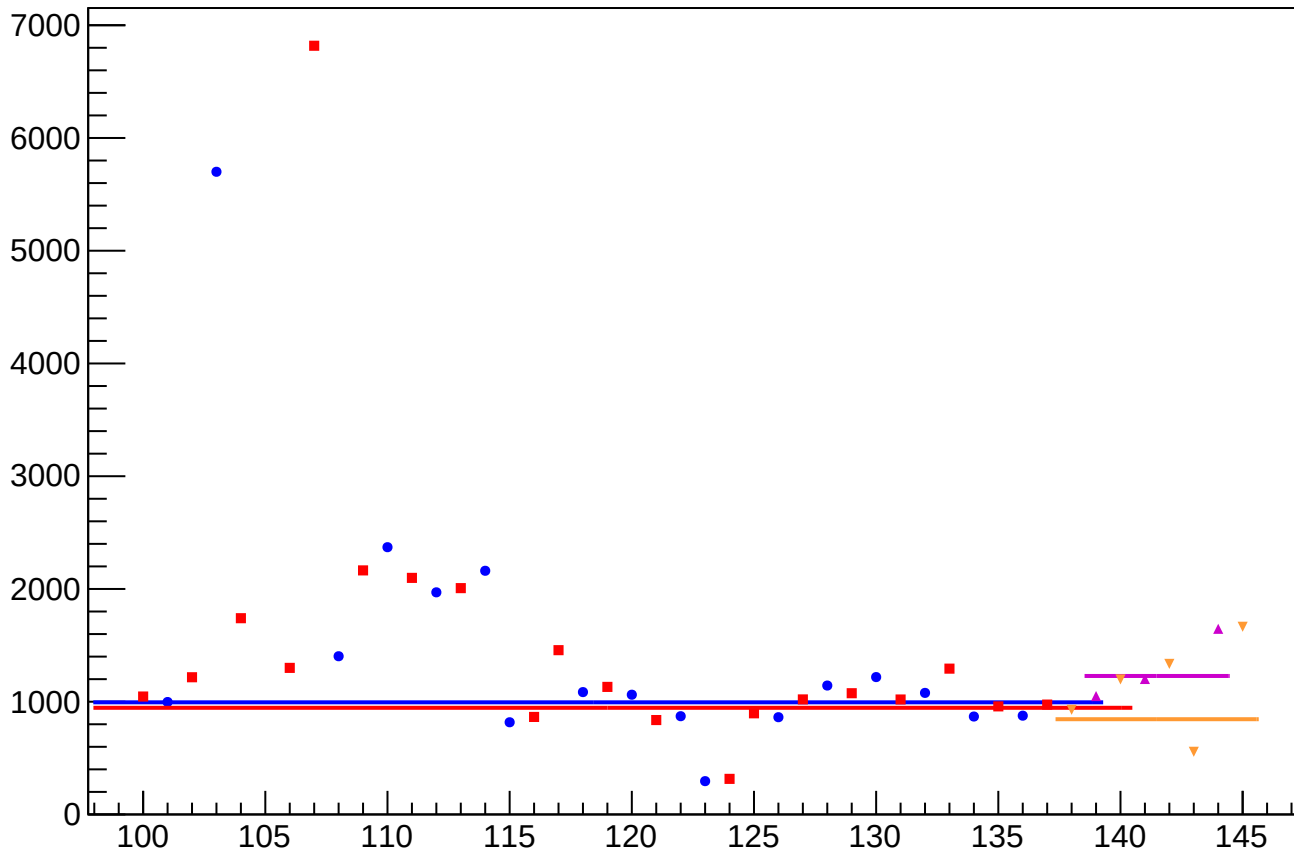
Right Out: 449.702+/-408.279 χ^2/NDF : 17.5/19

Left In: 363.684+/-807.963 χ^2/NDF : 2.6/2

-113.457+/-322.425 χ^2/NDF : 24.5/21

432.205+/-364.398 χ^2/NDF : 20.1/22

asym_atl1_correction_rms vs Slug



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

Left Out: 844.769+/-0.356 χ^2/NDF :961615.5/4

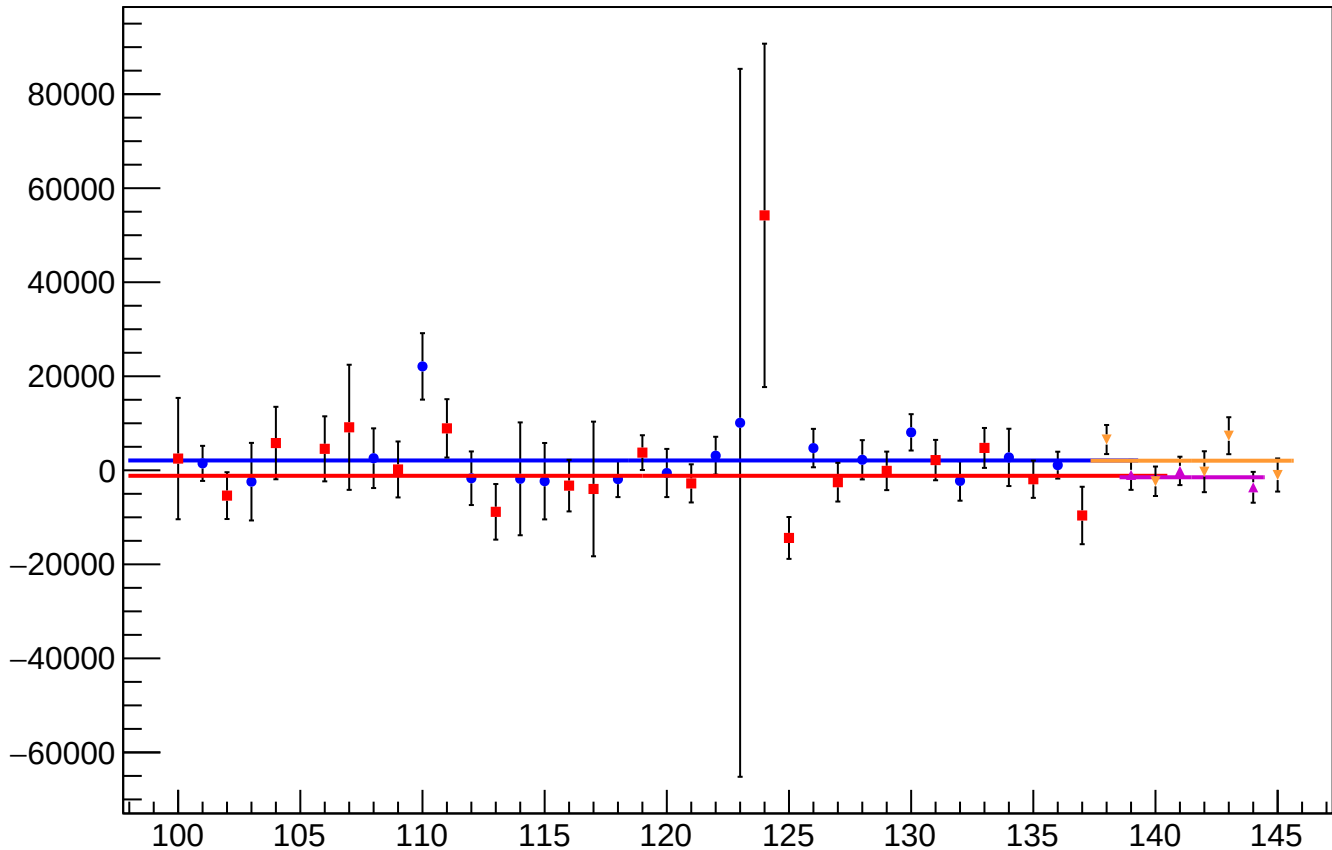
933.002+/-0.228 χ^2/NDF : 2970626.1/21

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

1003.450+/-0.258 χ^2/NDF : 3021675.9/22

Left In: 1228.312+/-0.571 χ^2/NDF :150499.4/2

asym_atl1_mean vs Slug



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

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

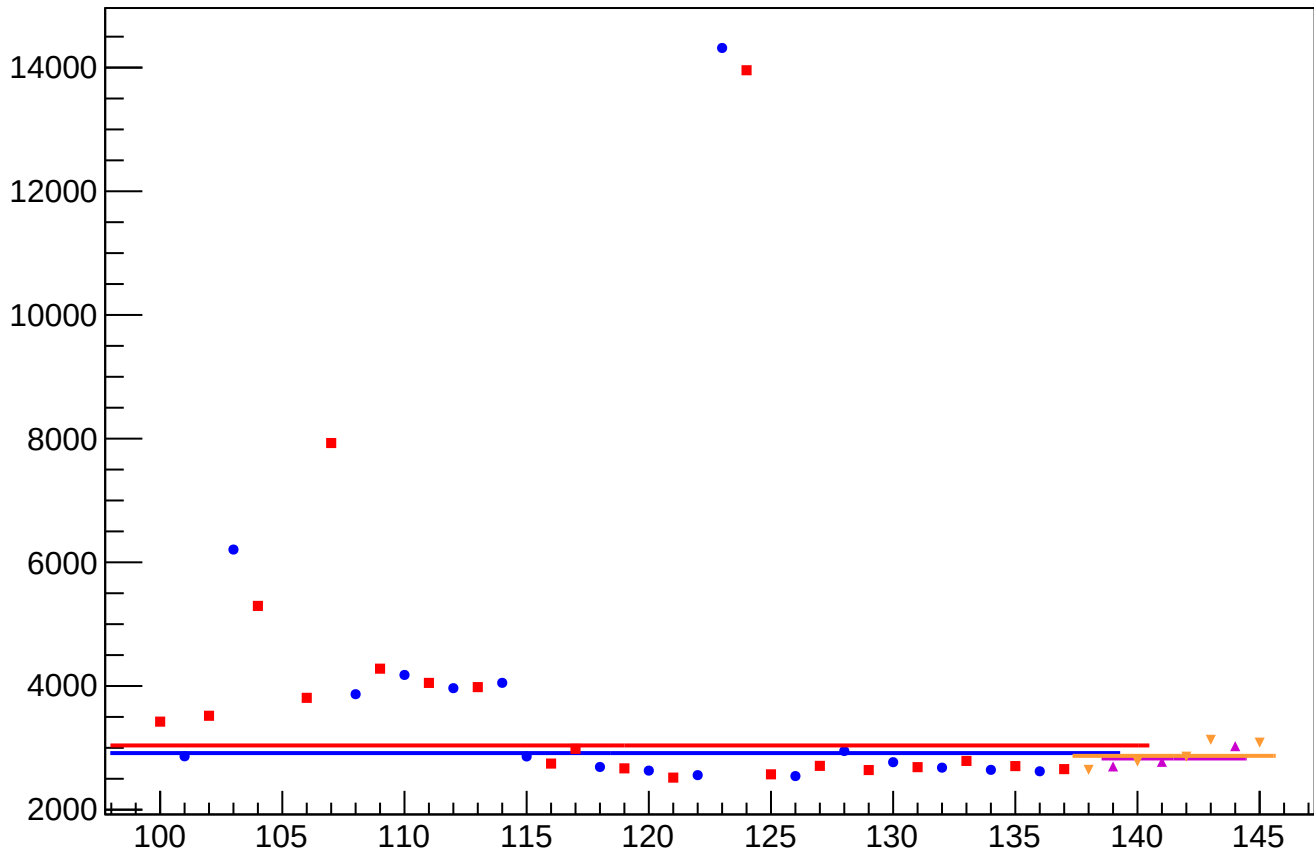
Right Out: -1167.038+/-1182.950 χ^2/NDF : 25.2/19

Left In: -1480.356+/-1821.455 χ^2/NDF : 0.6/2

2076.010+/-933.732 χ^2/NDF : 21.5/21

-1259.987+/-992.085 χ^2/NDF : 25.9/22

asym_atl1_rms vs Slug



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

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

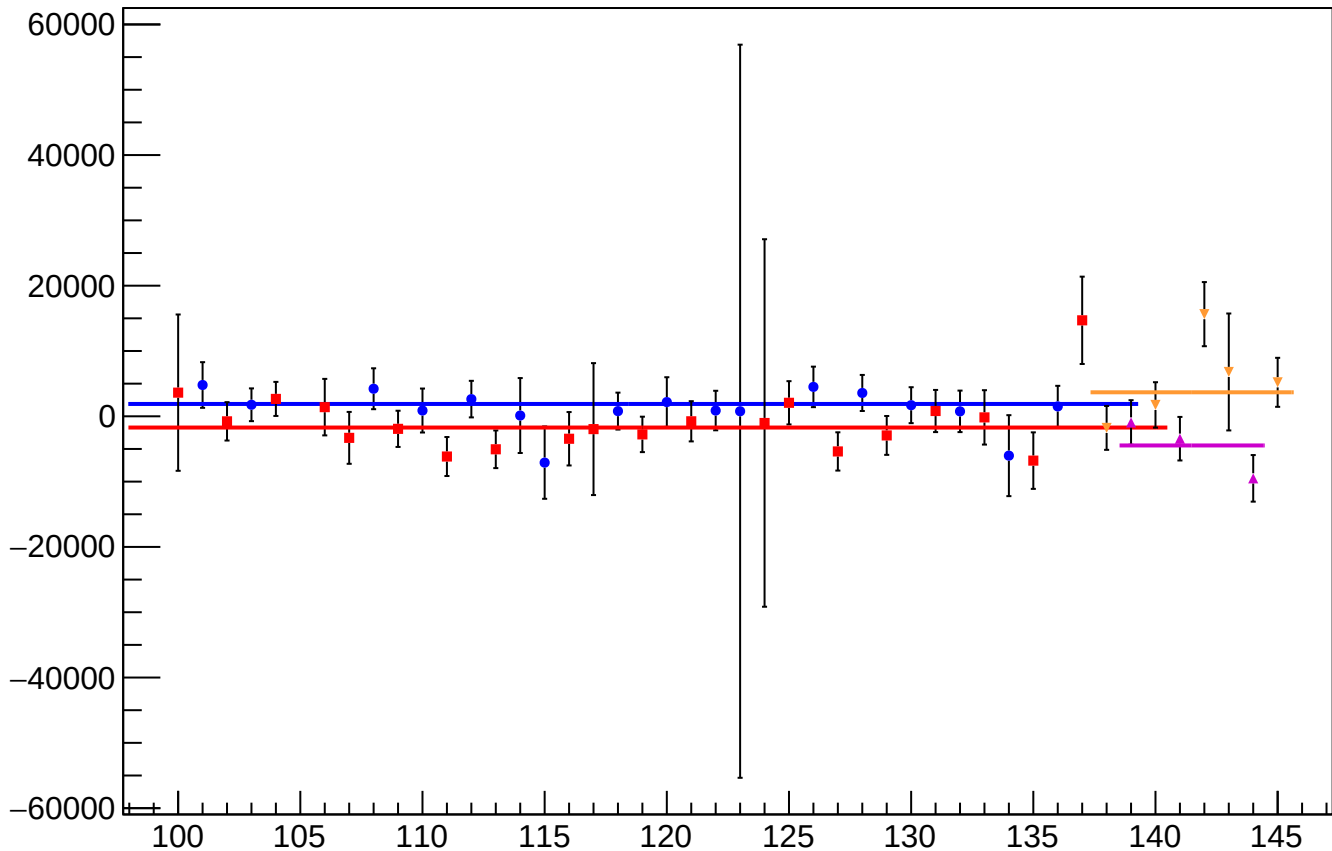
Right Out: 3038.763+/-0.836 χ^2 /NDF: 1011412.5/19

Left In: 2828.055+/-1.288 χ^2 /NDF: 11277.6/2

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

2976.254+/-0.702 χ^2 /NDF: 1041514.4/22

reg_asym_atl2_mean vs Slug



Right In: 1889.943 ± 811.431 $\chi^2/\text{NDF}: 7.3/16$

Left Out: 3675.616 ± 1836.927 $\chi^2/\text{NDF}: 9.2/4$

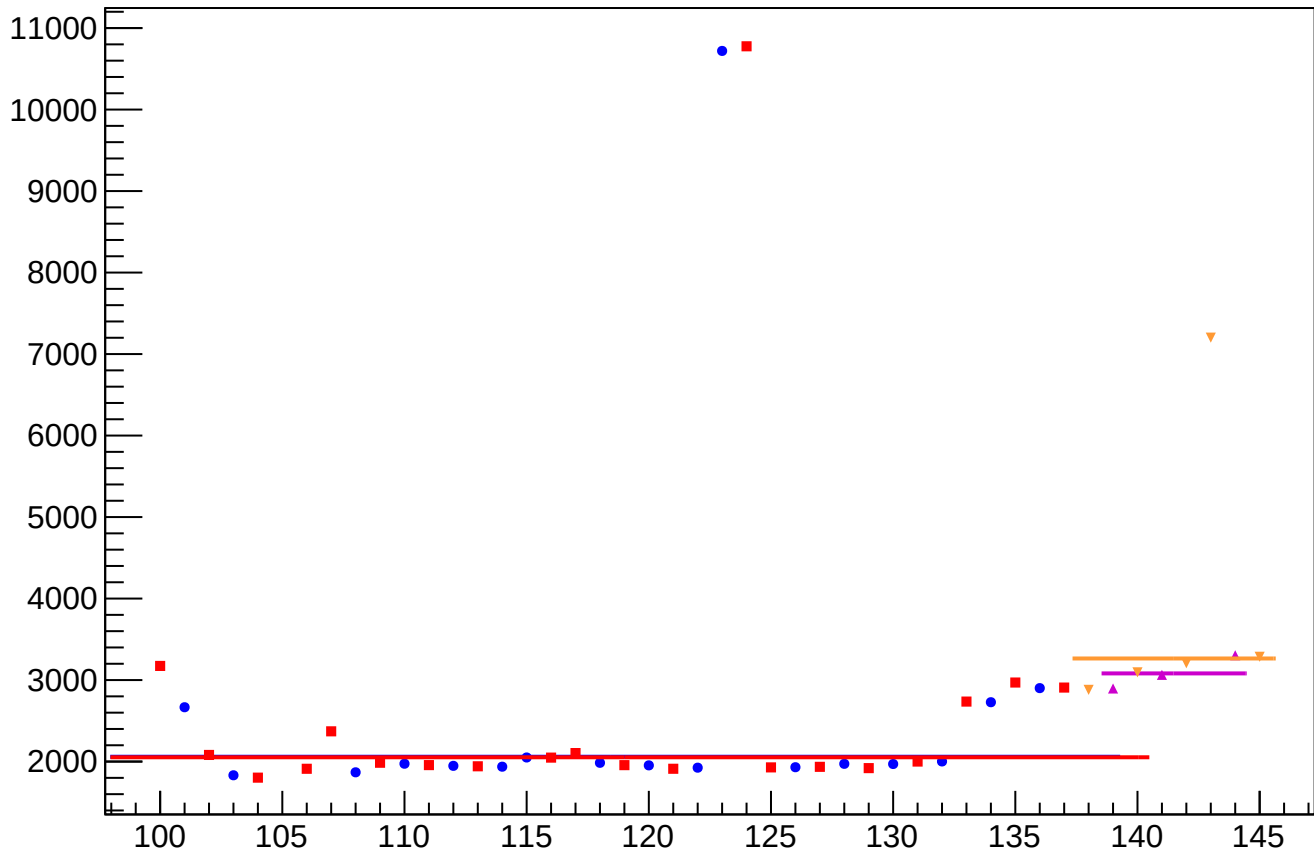
Right Out: -1720.591 ± 787.704 $\chi^2/\text{NDF}: 19.0/19$

Left In: -4464.483 ± 1982.444 $\chi^2/\text{NDF}: 3.2/2$

2181.489 ± 742.240 $\chi^2/\text{NDF}: 17.2/21$

-2094.726 ± 732.034 $\chi^2/\text{NDF}: 23.8/22$

reg_asym_atl2_rms vs Slug



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

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

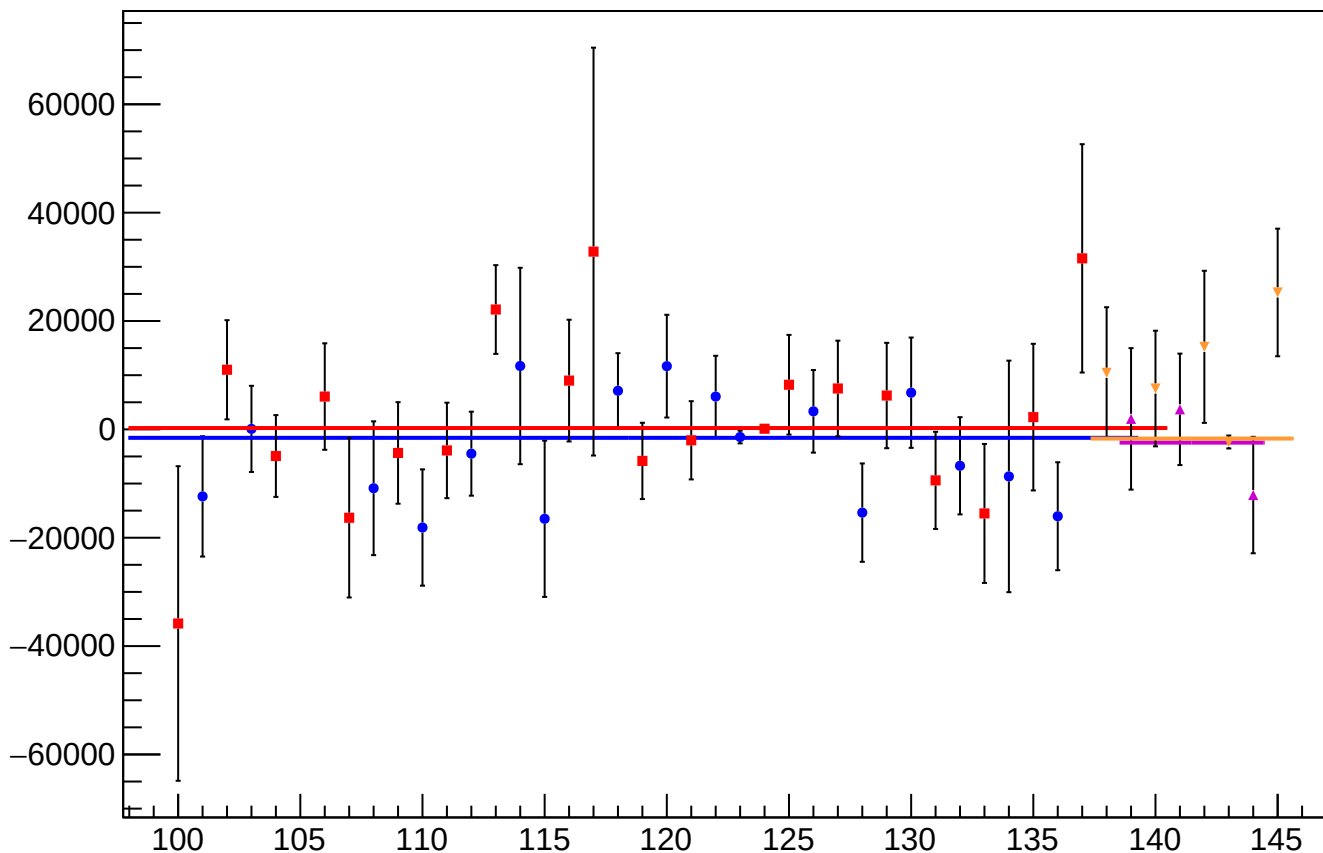
Right Out: 2052.576+/-0.557 χ^2/NDF : 443374.3/19

Left In: 3081.655+/-1.402 χ^2/NDF : 13724.0/2

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

2192.891+/-0.518 χ^2/NDF : 922537.6/22

asym_atl2_correction_mean vs Slug



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

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

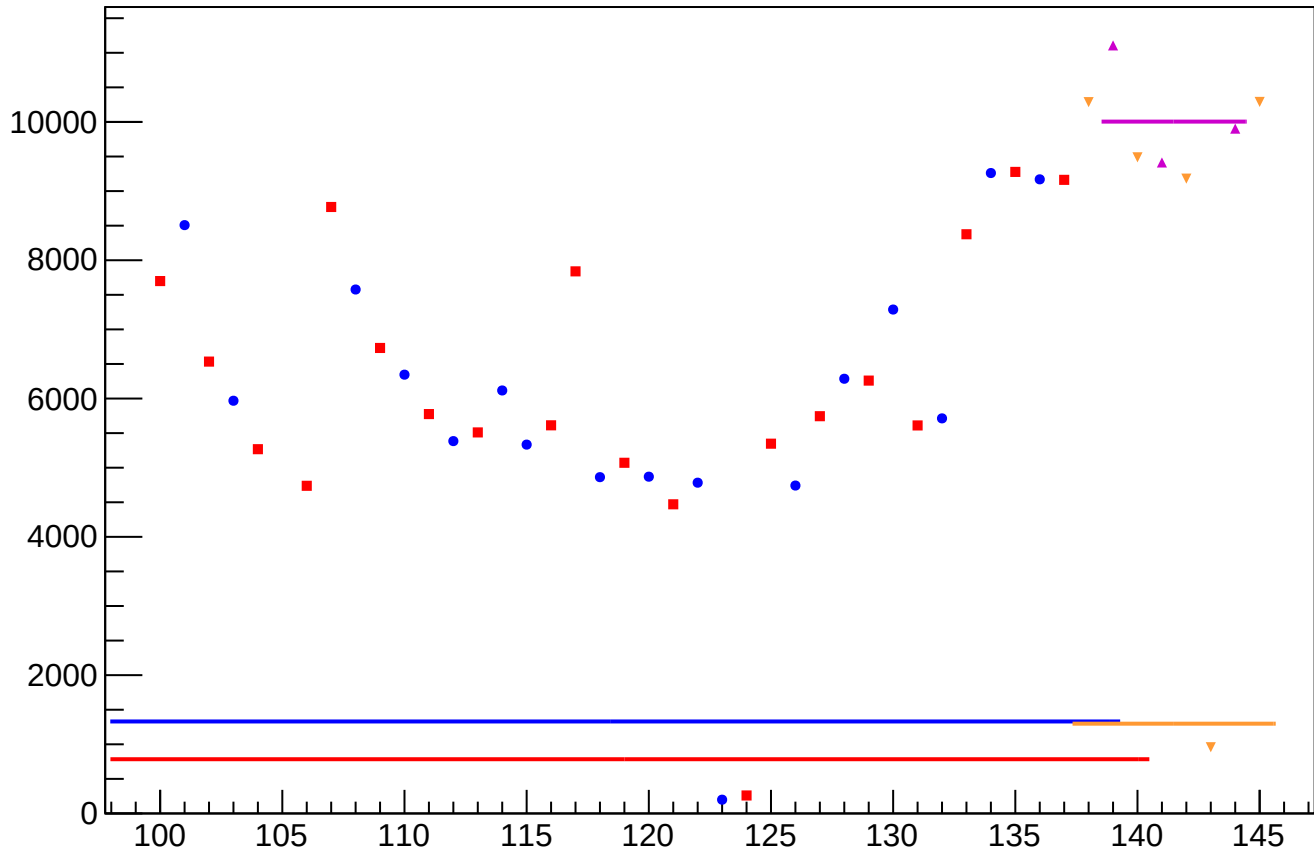
Right Out: 247.306+/-695.049 χ^2/NDF : 21.6/19

Left In: -2446.681+/-6457.995 χ^2/NDF : 1.3/2

-1621.658+/-784.065 χ^2/NDF : 24.9/21

216.458+/-691.058 χ^2/NDF : 23.0/22

asym_atl2_correction_rms vs Slug



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

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

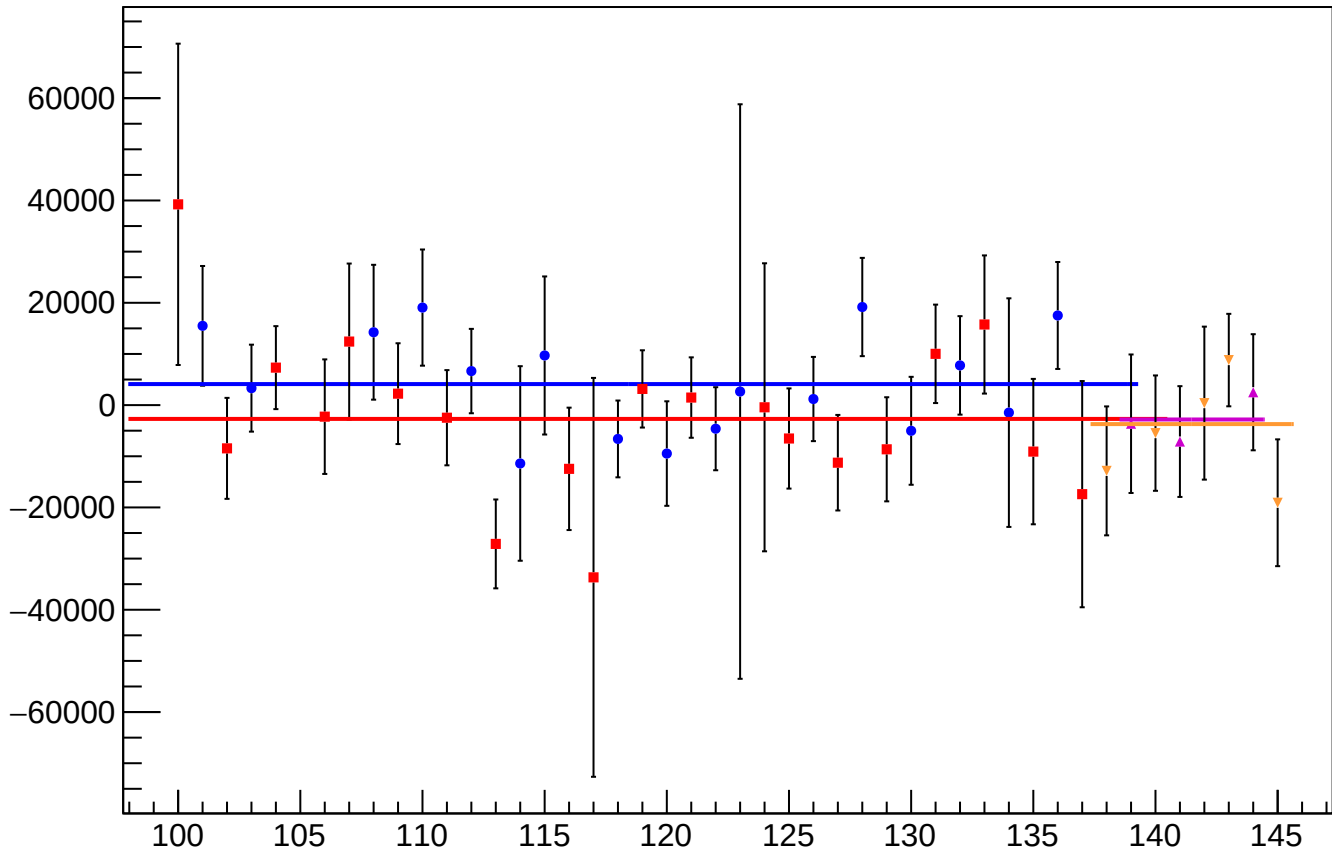
Right Out: 784.254+/-0.491 χ^2/NDF : 11510186.9/19

Left In: 10004.794+/-4.566 χ^2/NDF : 21025.6/2

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

889.836+/-0.489 χ^2/NDF : 15561588.9/22

asym_atl2_mean vs Slug



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

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

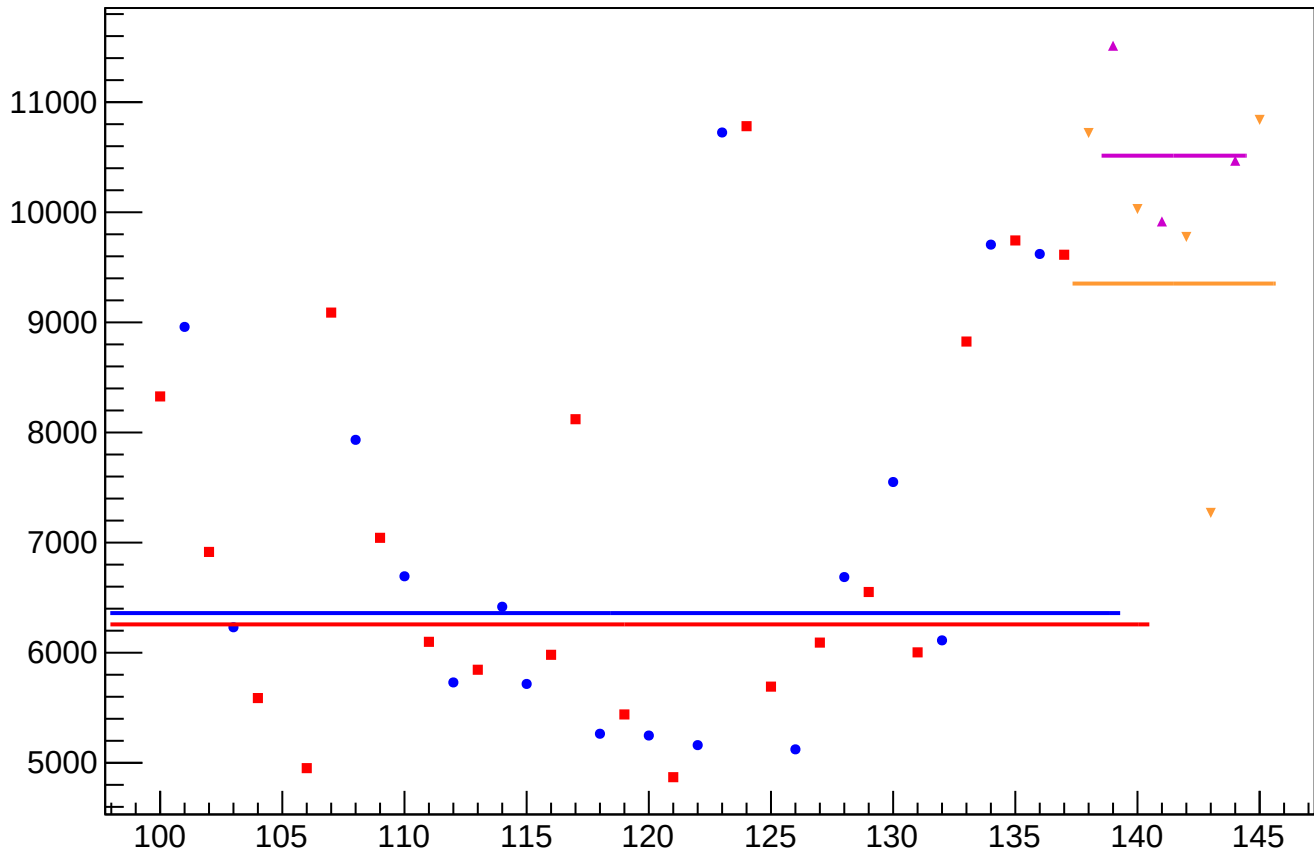
2596.824 $\pm$ 2275.832 χ^2 /NDF: 20.3/21

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

-2709.630 $\pm$ 2275.683 χ^2 /NDF: 21.0/22

Left In: -2808.267 $\pm$ 6780.027 χ^2 /NDF: 0.4/2

asym_atl2_rms vs Slug



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

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

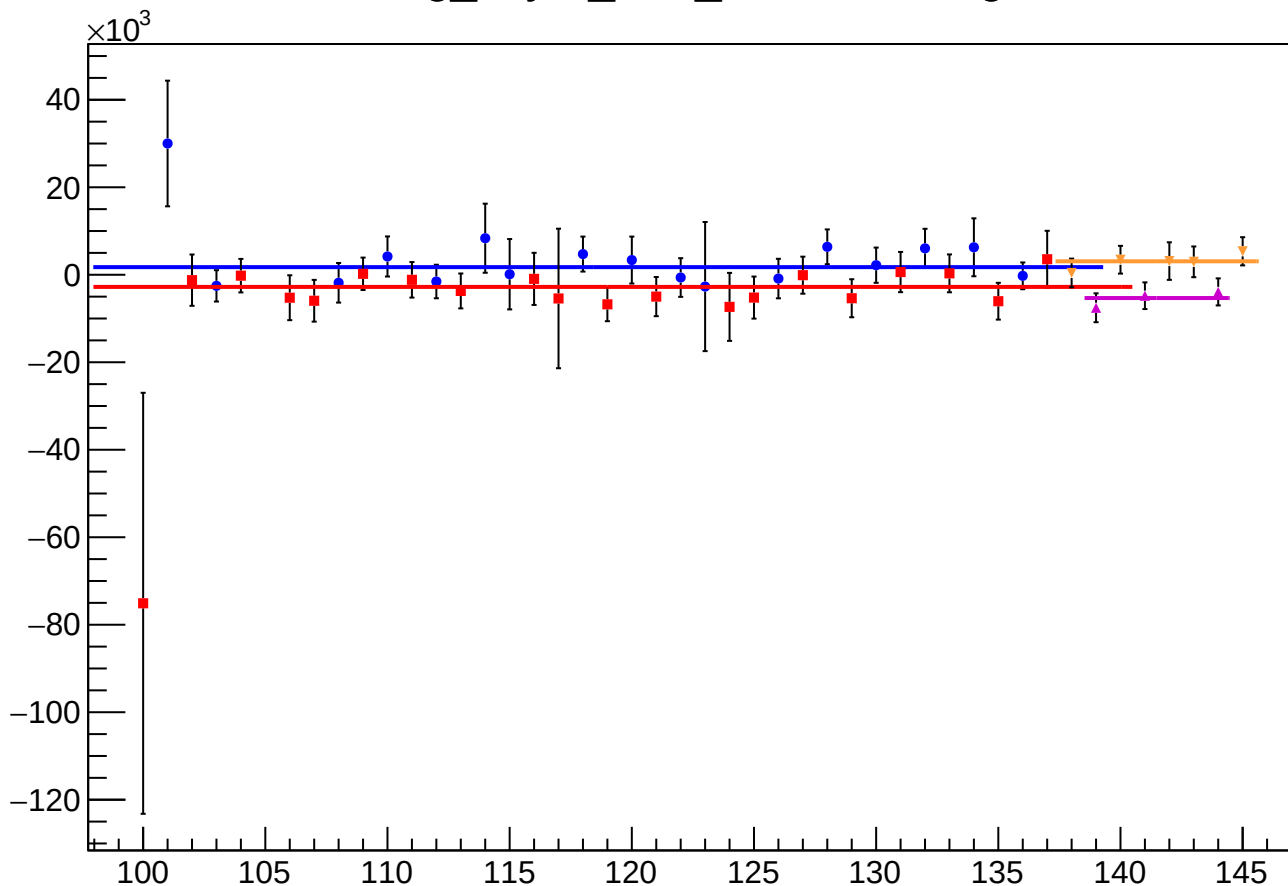
6939.498+/-1.609 χ^2/NDF : 1287866.8/21

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

6736.749+/-1.609 χ^2/NDF : 1254105.9/22

Left In: 10513.991+/-4.794 χ^2/NDF :16999.0/2

reg_asym_atr1_mean vs Slug



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

Left Out: 3079.324 +/- 1535.781 χ^2/NDF : 1.2/4

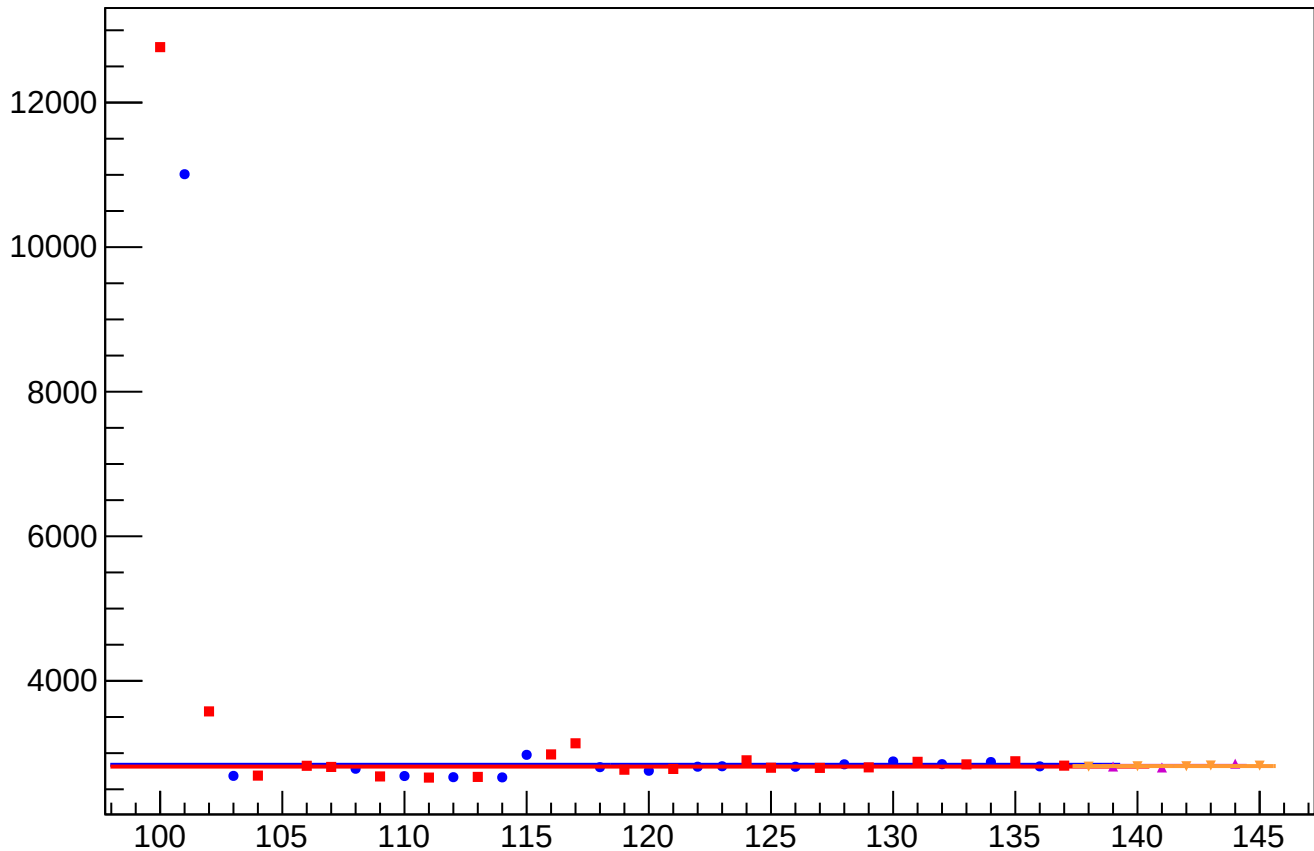
Right Out: -2775.793 +/- 1069.534 χ^2/NDF : 9.7/19

Left In: -5320.285 +/- 1814.642 χ^2/NDF : 0.7/2

2213.507 +/- 909.401 χ^2/NDF : 13.9/21

-3431.813 +/- 921.402 χ^2/NDF : 11.9/22

reg_asym_atr1_rms vs Slug



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

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

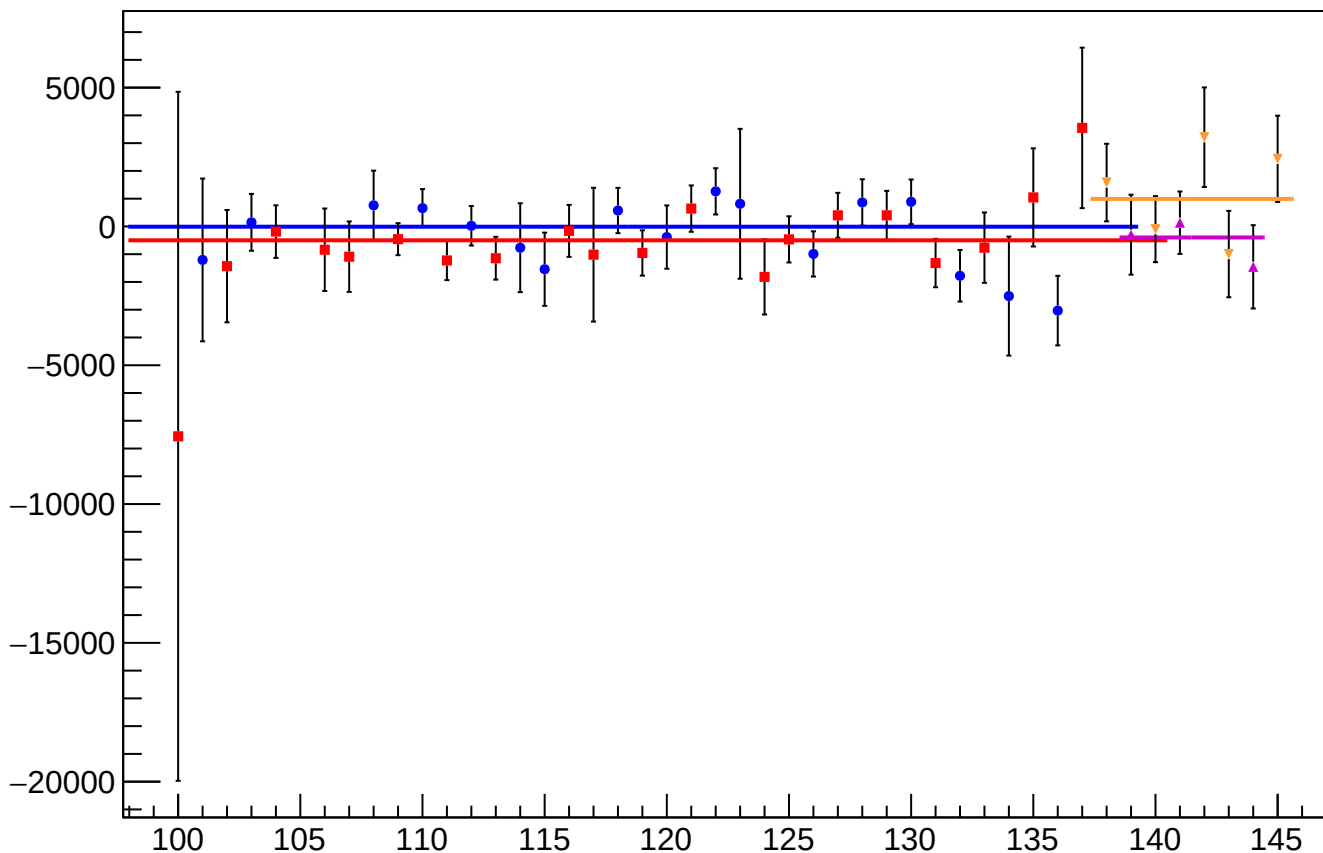
Right Out: 2814.083+/-0.756 χ^2/NDF : 133883.7/19

Left In: 2824.100+/-1.283 χ^2/NDF : 308.3/2

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

2816.665+/-0.652 χ^2/NDF : 134237.2/22

asym_atr1_correction_mean vs Slug



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

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

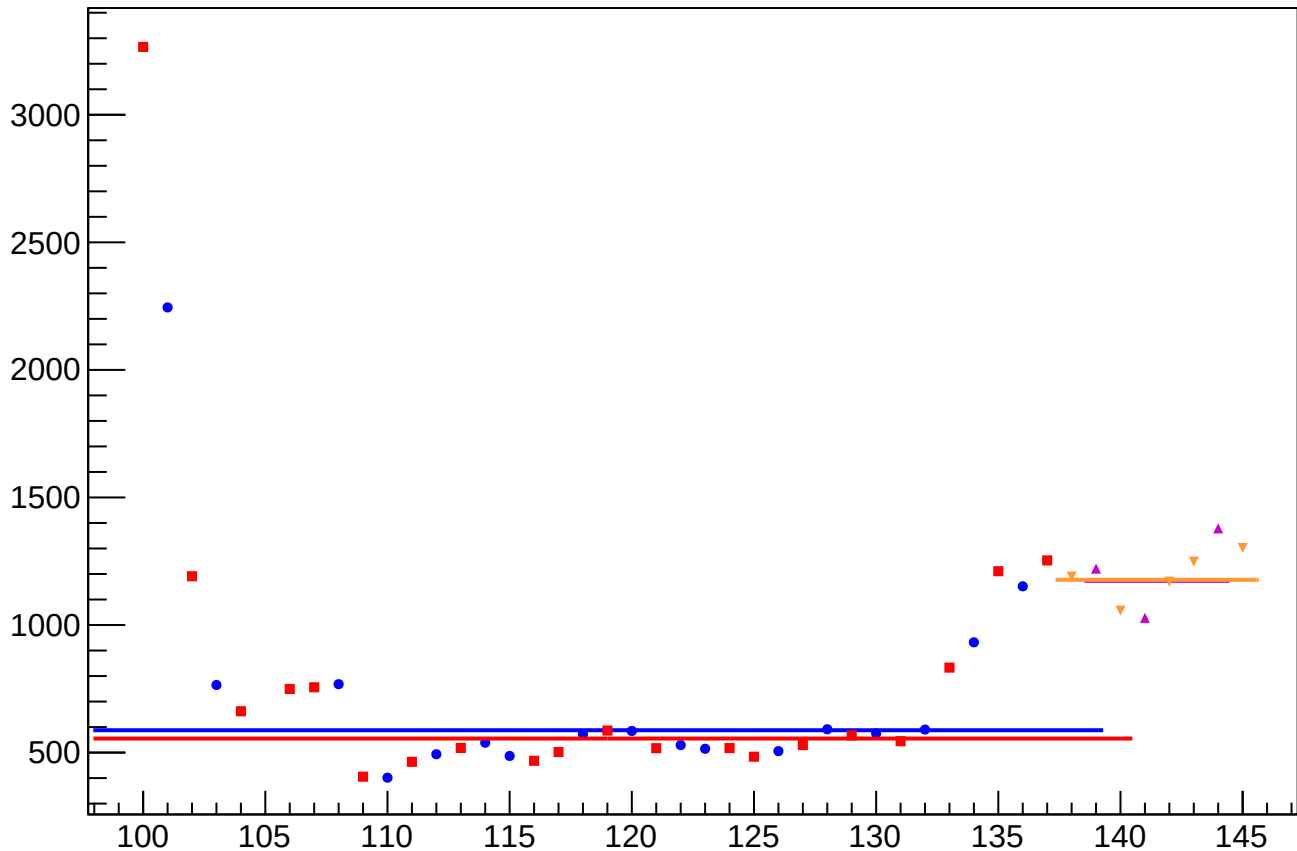
Right Out: -499.625 ± 220.558 χ^2/NDF : 11.9/19

Left In: -397.704 ± 763.241 χ^2/NDF : 0.7/2

111.297 ± 226.588 χ^2/NDF : 27.8/21

-491.770 ± 211.888 χ^2/NDF : 12.7/22

asym_atr1_correction_rms vs Slug



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

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

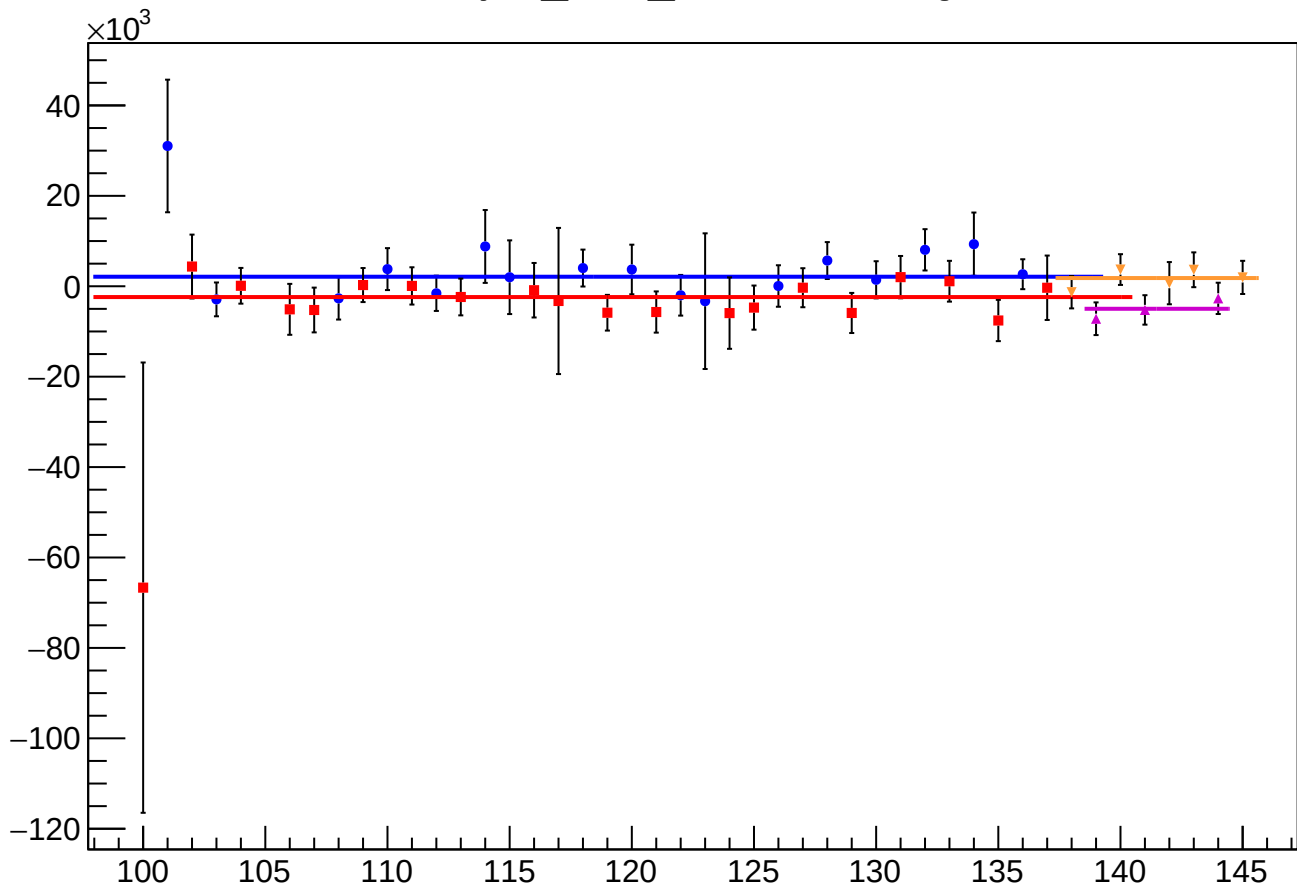
658.930+/-0.160 χ^2/NDF : 2903894.8/21

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

602.719+/-0.150 χ^2/NDF : 2391024.4/22

Left In: 1173.111+/-0.540 χ^2/NDF : 73021.3/2

asym_atr1_mean vs Slug



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

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

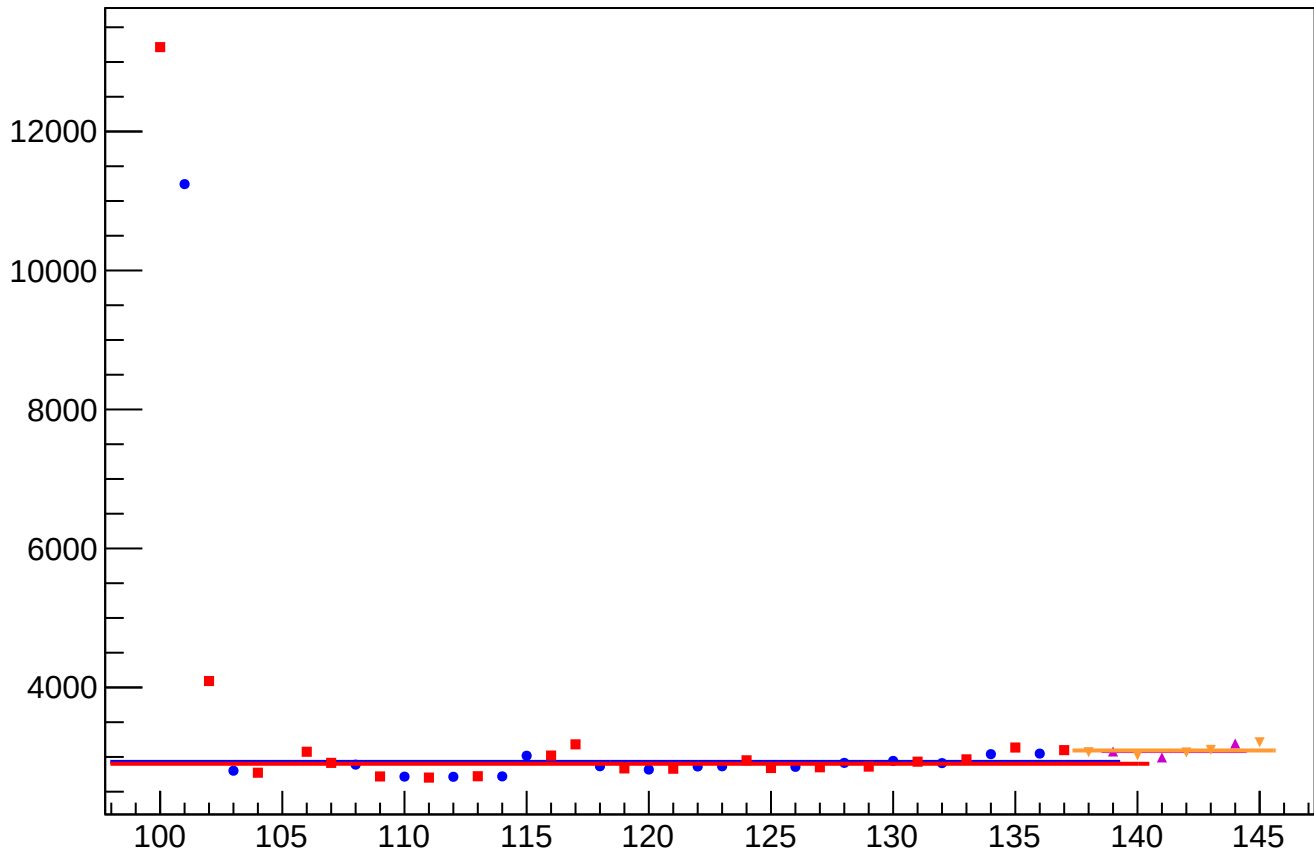
Right Out: -2389.947 ± 1107.639 χ^2/NDF : 9.9/19

Left In: -4982.530 ± 1983.123 χ^2/NDF : 0.8/2

2013.621 ± 957.882 χ^2/NDF : 14.9/21

-3006.413 ± 967.026 χ^2/NDF : 12.0/22

asym_atr1_rms vs Slug



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

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

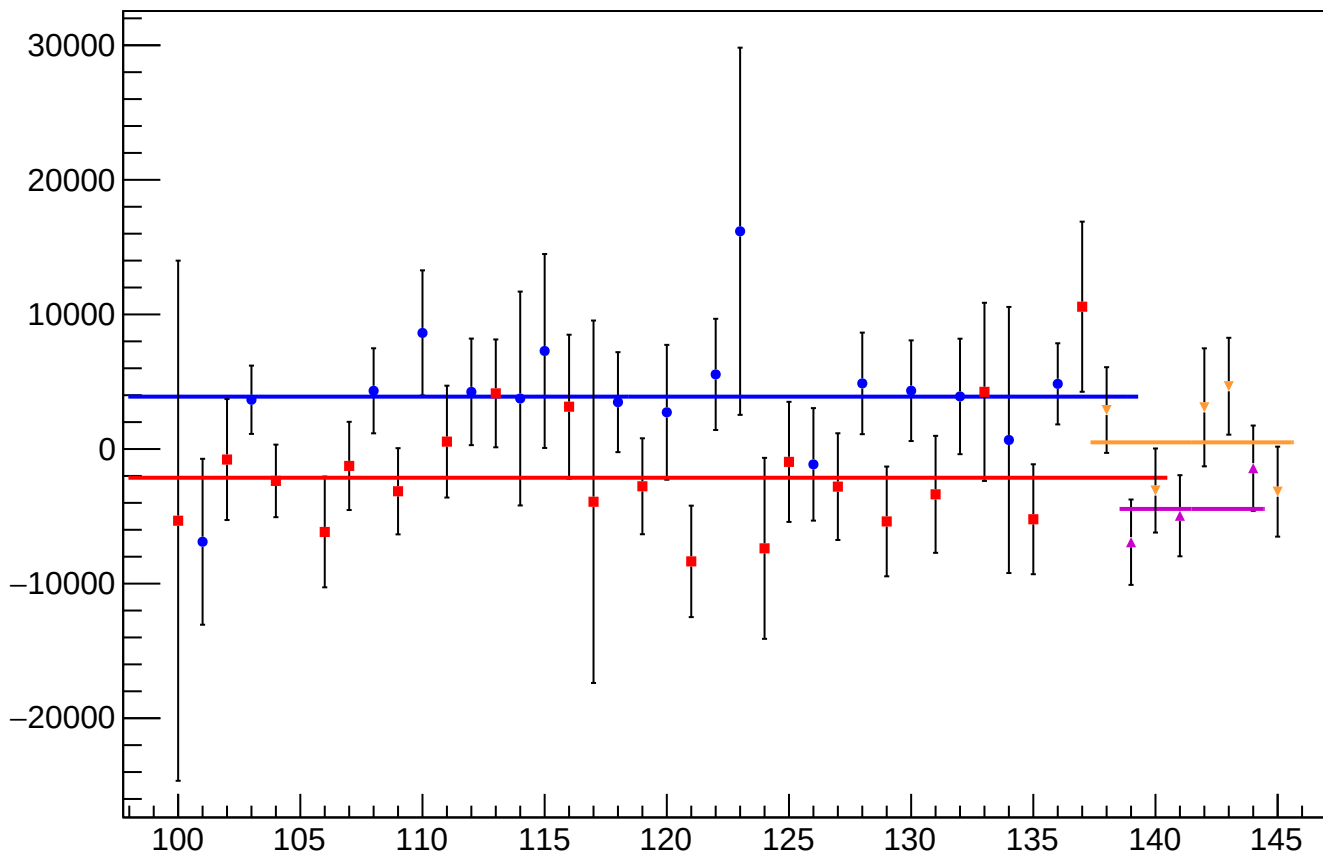
Right Out: 2901.790+/-0.783 χ^2/NDF : 170320.9/19

Left In: 3084.906+/-1.402 χ^2/NDF : 3569.5/2

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

2945.332+/-0.684 χ^2/NDF : 186888.0/22

reg_asym_atr2_mean vs Slug



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

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

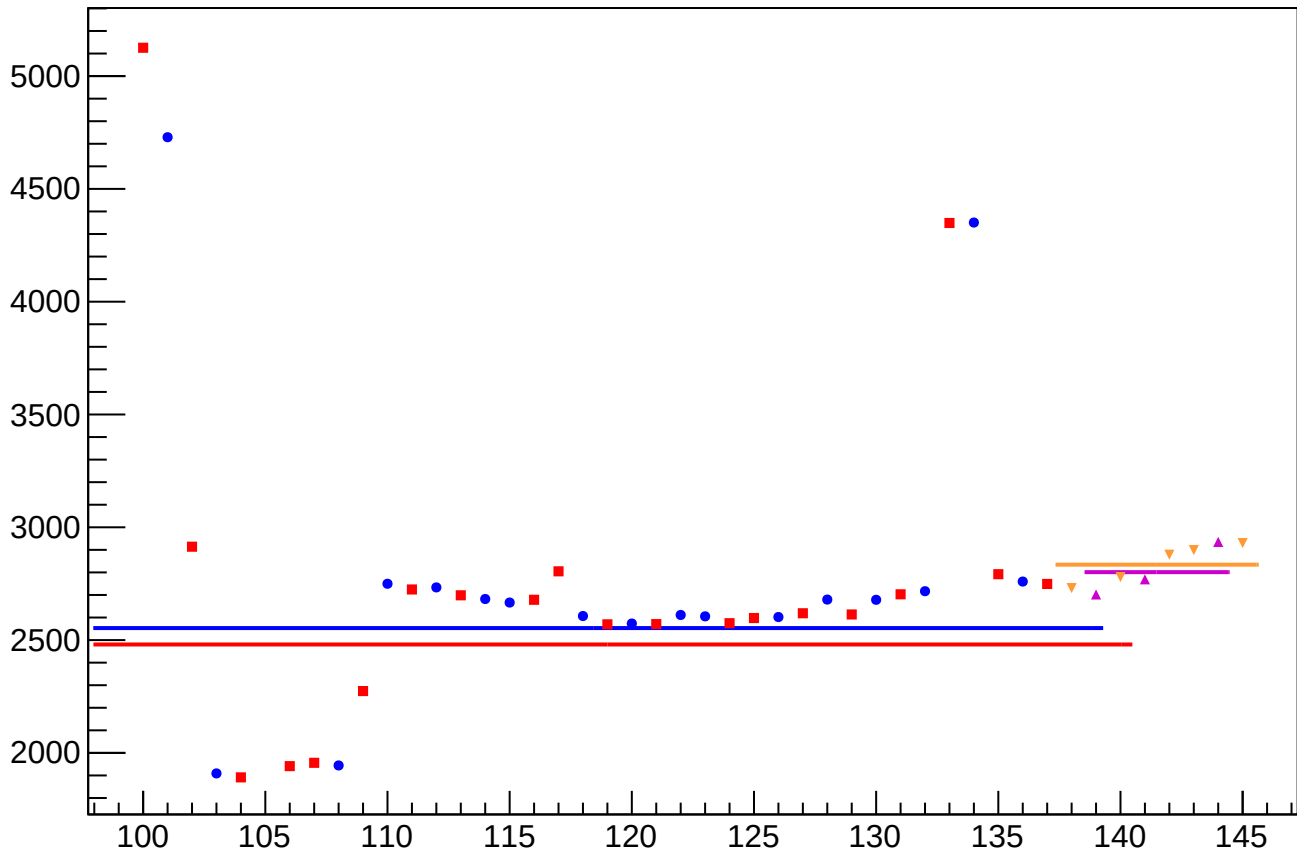
Right Out: -2133.736 ± 955.999 $\chi^2/\text{NDF}: 14.4/19$

Left In: -4450.099 ± 1798.415 $\chi^2/\text{NDF}: 1.5/2$

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

-2644.075 ± 844.143 $\chi^2/\text{NDF}: 17.2/22$

reg_asym_atr2_rms vs Slug



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

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

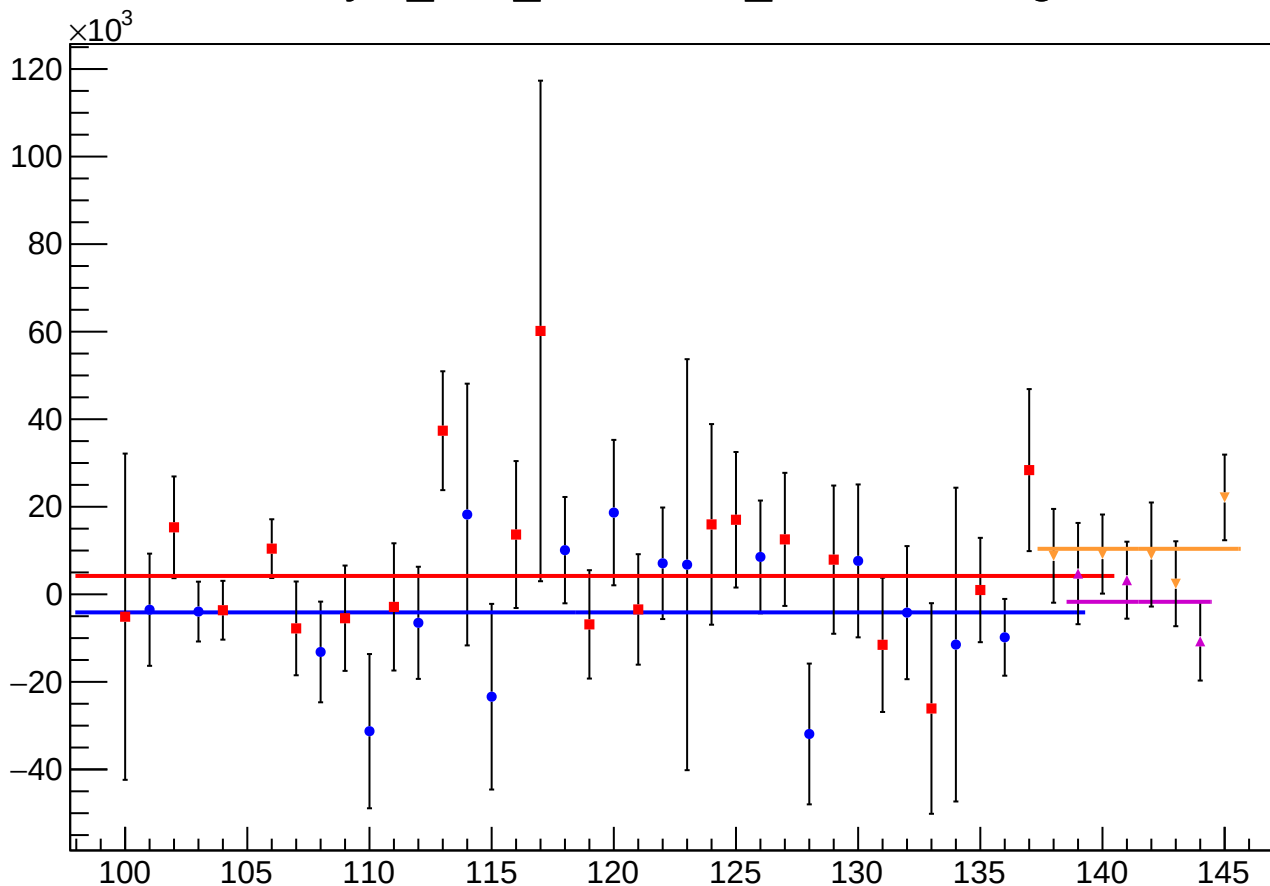
2637.740+/-0.598 χ^2/NDF : 596828.6/21

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

2551.153+/-0.597 χ^2/NDF : 505988.8/22

Left In: 2801.173+/-1.272 χ^2/NDF : 5742.6/2

asym_atr2_correction_mean vs Slug



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

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

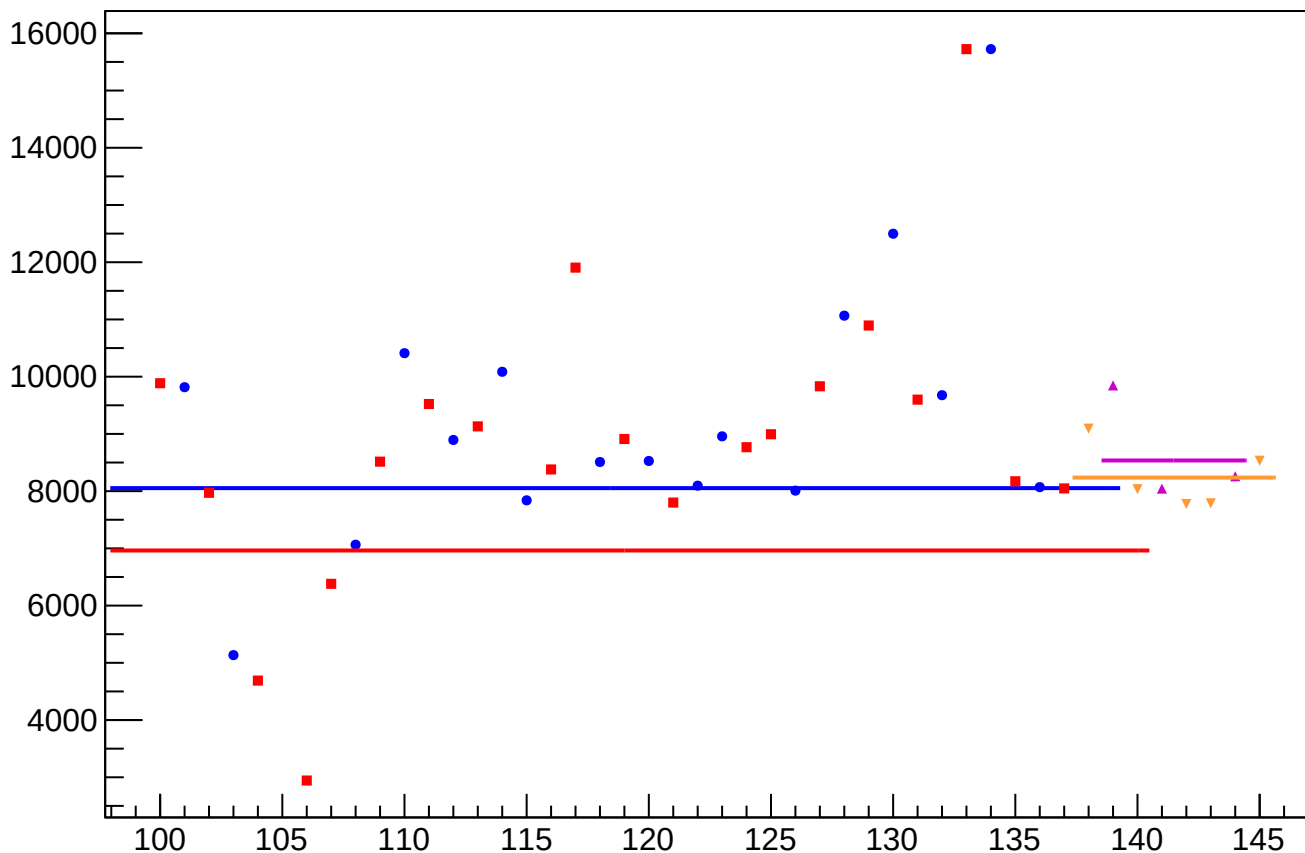
Right Out: 4197.870 ± 2830.850 χ^2/NDF : 19.5/19

Left In: -1711.249 ± 5517.553 χ^2/NDF : 1.6/2

788.461 ± 2624.828 χ^2/NDF : 22.4/21

2966.525 ± 2518.692 χ^2/NDF : 22.0/22

asym_atr2_correction_rms vs Slug



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

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

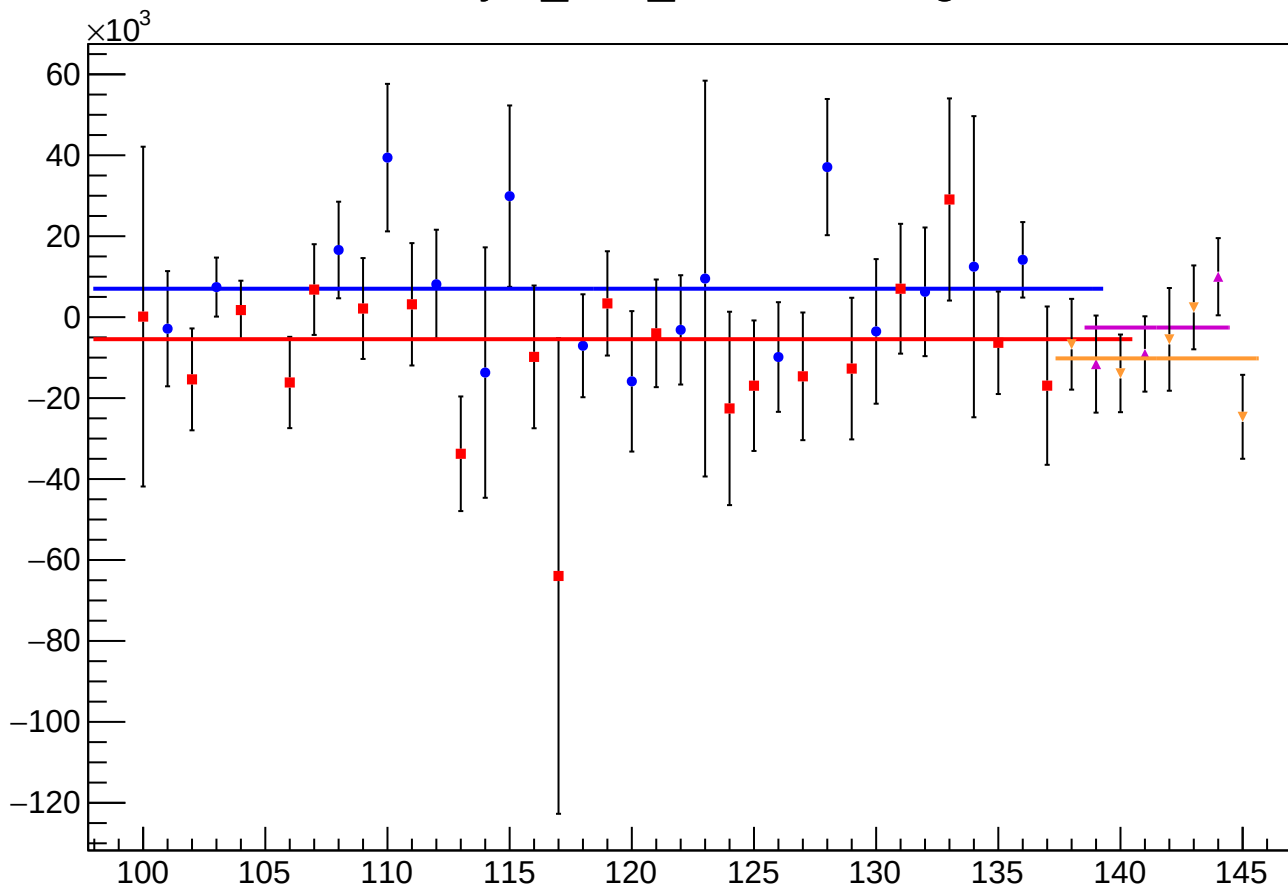
8114.891+/-1.856 χ^2/NDF : 815818.1/21

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

7290.871+/-1.781 χ^2/NDF : 1954113.7/22

Left In: 8536.082+/-3.901 χ^2/NDF : 33871.3/2

asym_atr2_mean vs Slug



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

Left Out: -10186.235+/-4787.552 χ^2/NDF : 3.8/4

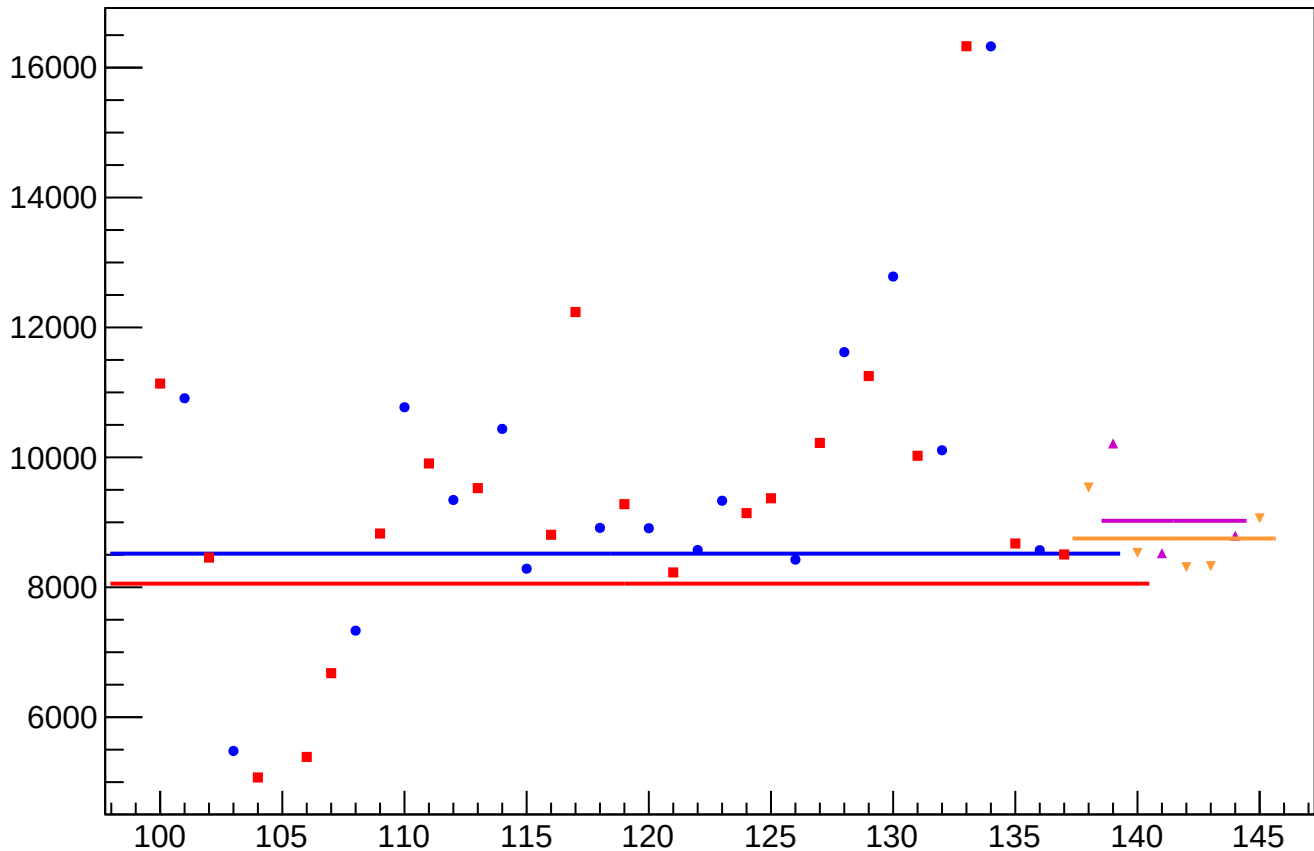
Right Out: -5441.890+/-3163.600 χ^2/NDF : 14.3/19

Left In: -2565.678+/-5823.522 χ^2/NDF : 2.8/2

1233.618+/-2777.209 χ^2/NDF : 27.4/21

-4786.493+/-2779.888 χ^2/NDF : 17.3/22

asym_atr2_rms vs Slug



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

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

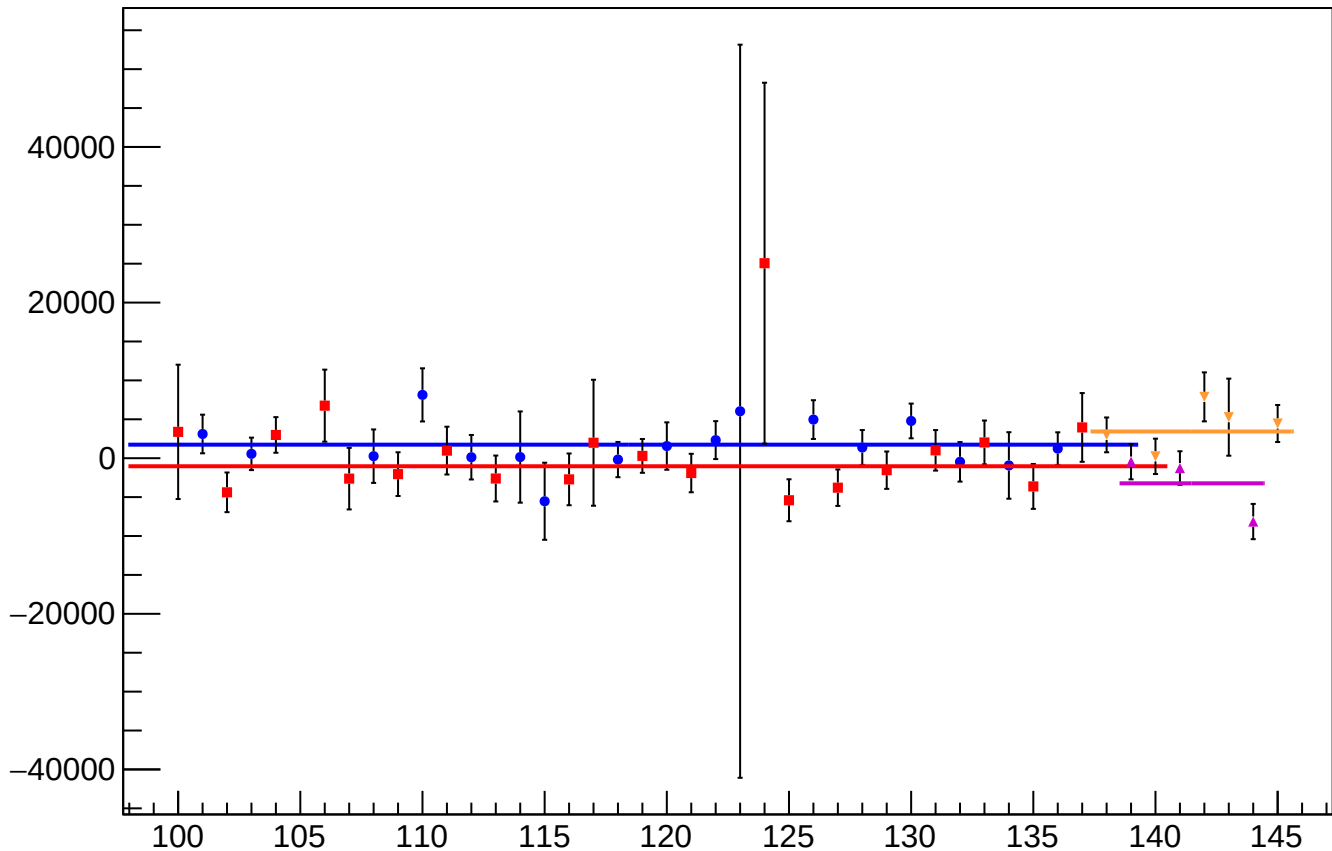
8596.209+/-1.964 χ^2/NDF : 784870.3/21

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

8276.553+/-1.966 χ^2/NDF : 1031501.1/22

Left In: 9023.432+/-4.118 χ^2/NDF : 26613.5/2

reg_asym_atl_avg_mean vs Slug



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

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

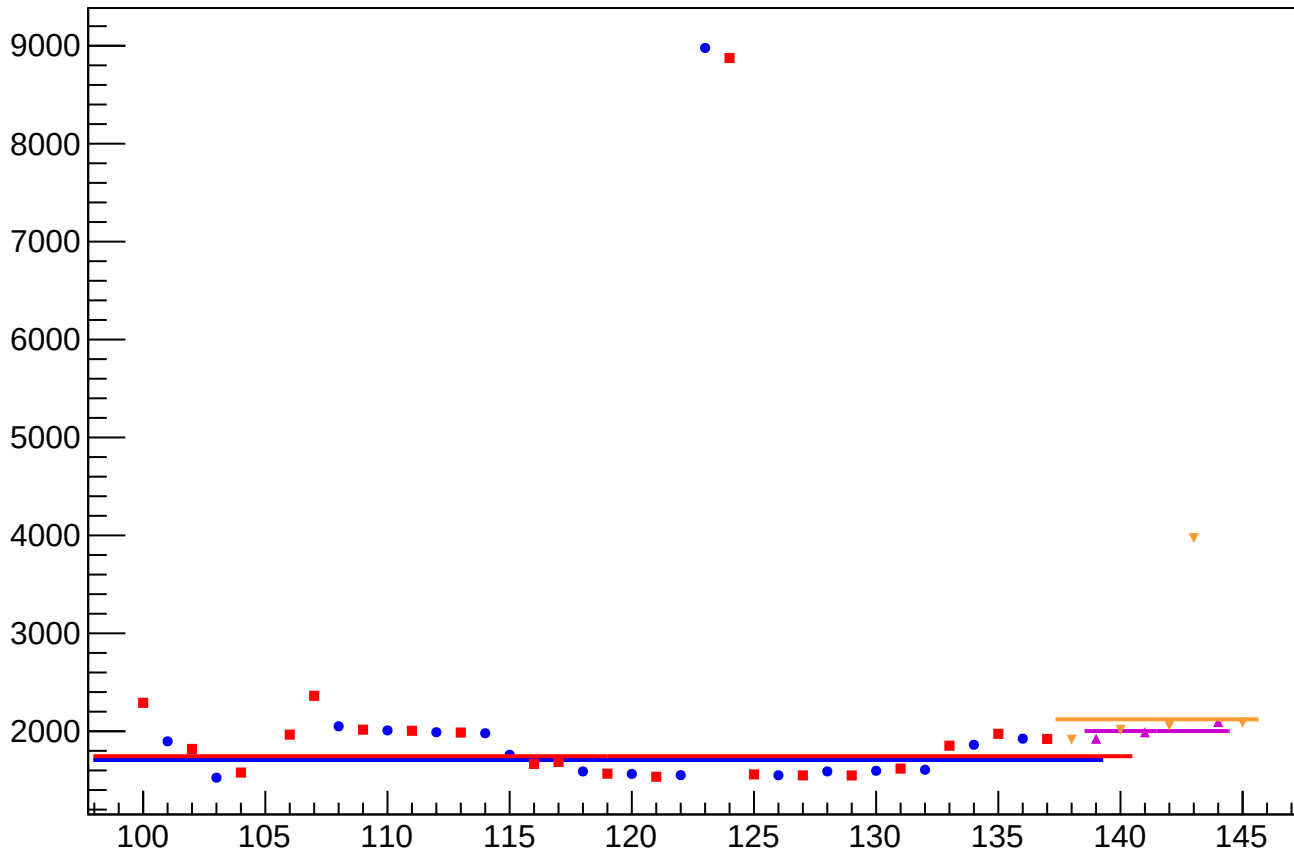
Right Out: -1034.828 ± 668.692 χ^2/NDF : 19.0/19

Left In: -3227.295 ± 1288.578 χ^2/NDF : 7.0/2

2149.742 ± 583.541 χ^2/NDF : 18.3/21

-1499.986 ± 593.532 χ^2/NDF : 28.3/22

reg_asym_atl_avg_rms vs Slug



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

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

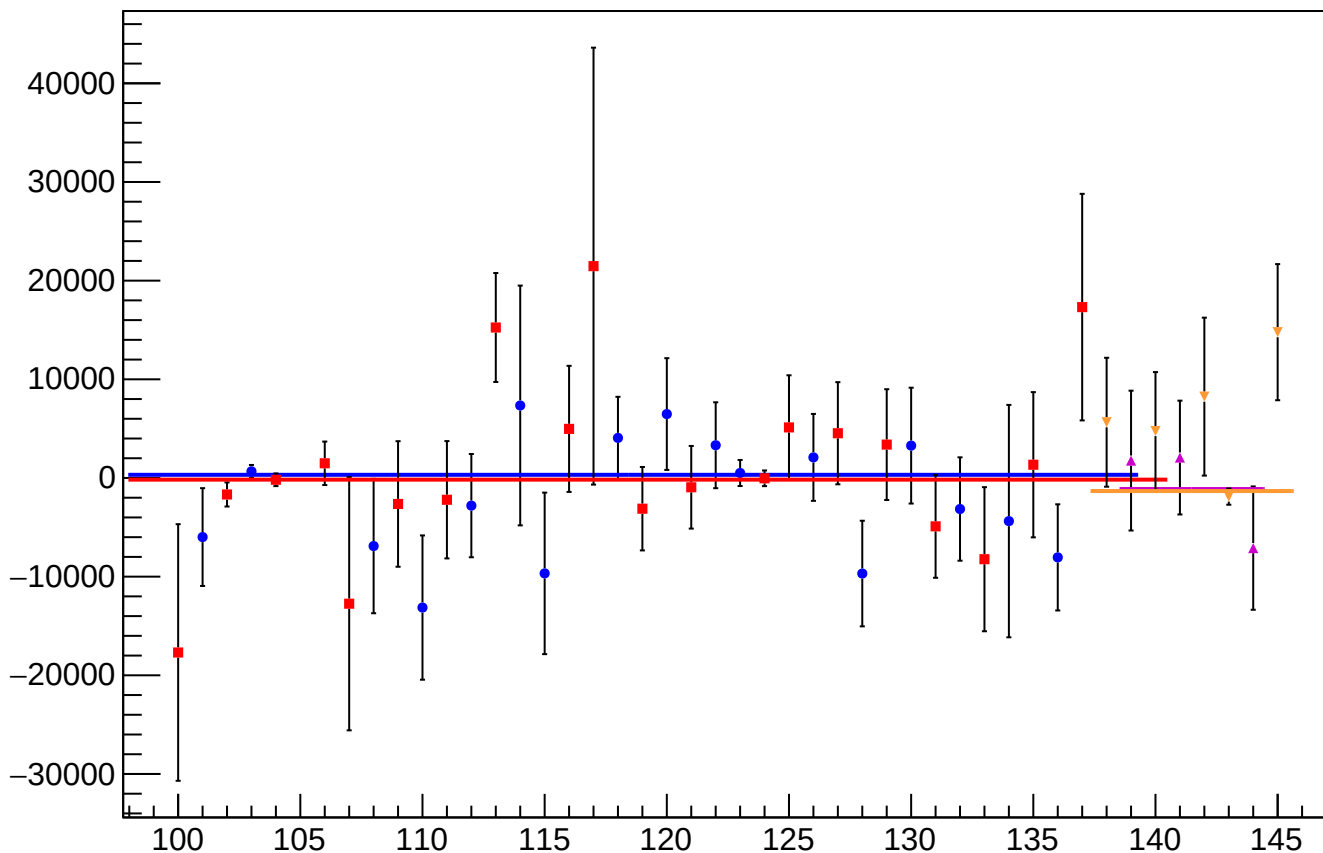
Right Out: 1745.037+/-0.471 χ^2/NDF : 399916.1/19

Left In: 2002.202+/-0.911 χ^2/NDF : 5785.2/2

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

1799.218+/-0.418 χ^2/NDF : 468577.2/22

asym_atl_avg_correction_mean vs Slug



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

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

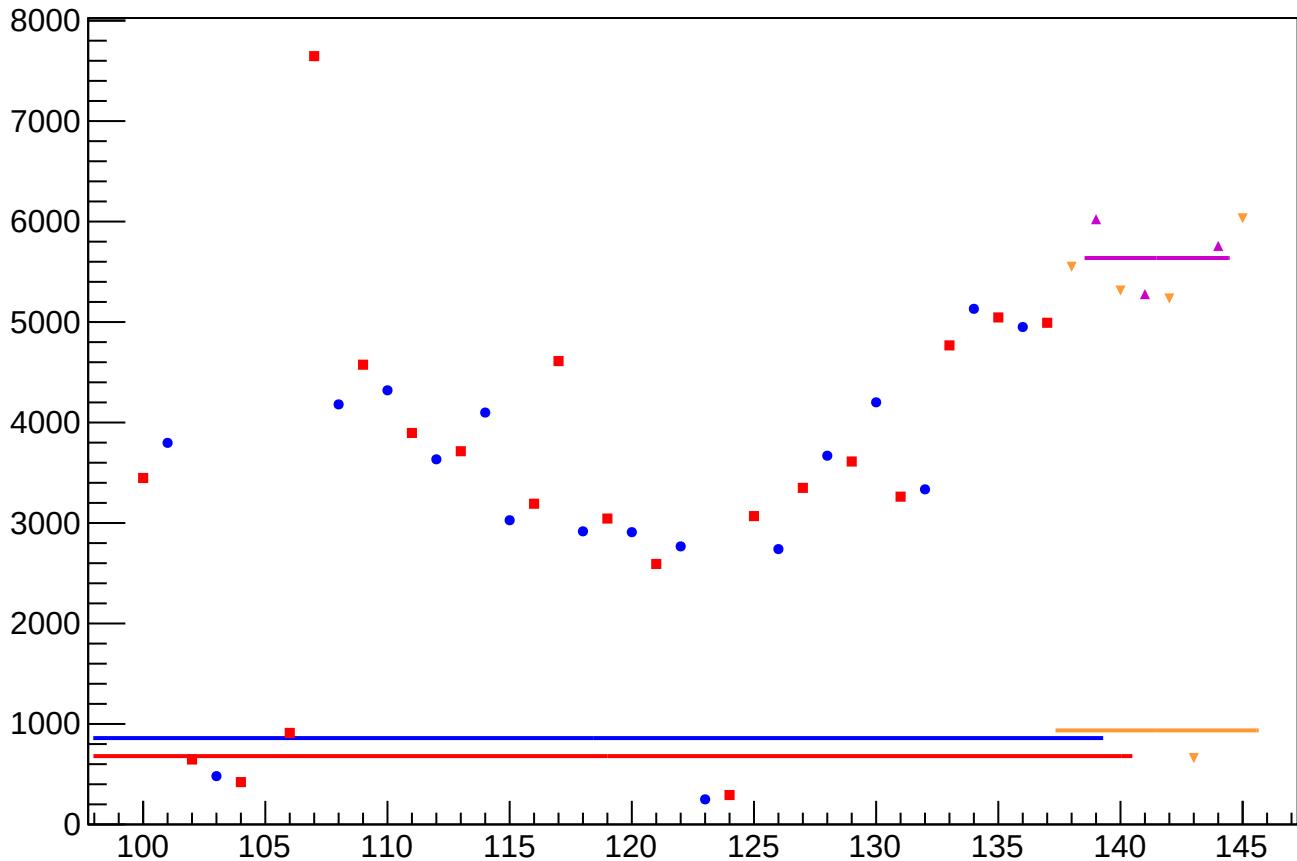
Right Out: -168.343+/-433.469 χ^2/NDF : 21.7/19

Left In: -1121.798+/-3637.134 χ^2/NDF : 1.4/2

-193.536+/-448.046 χ^2/NDF : 30.4/21

-181.696+/-430.423 χ^2/NDF : 23.2/22

asym_atl_avg_correction_rms vs Slug



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

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

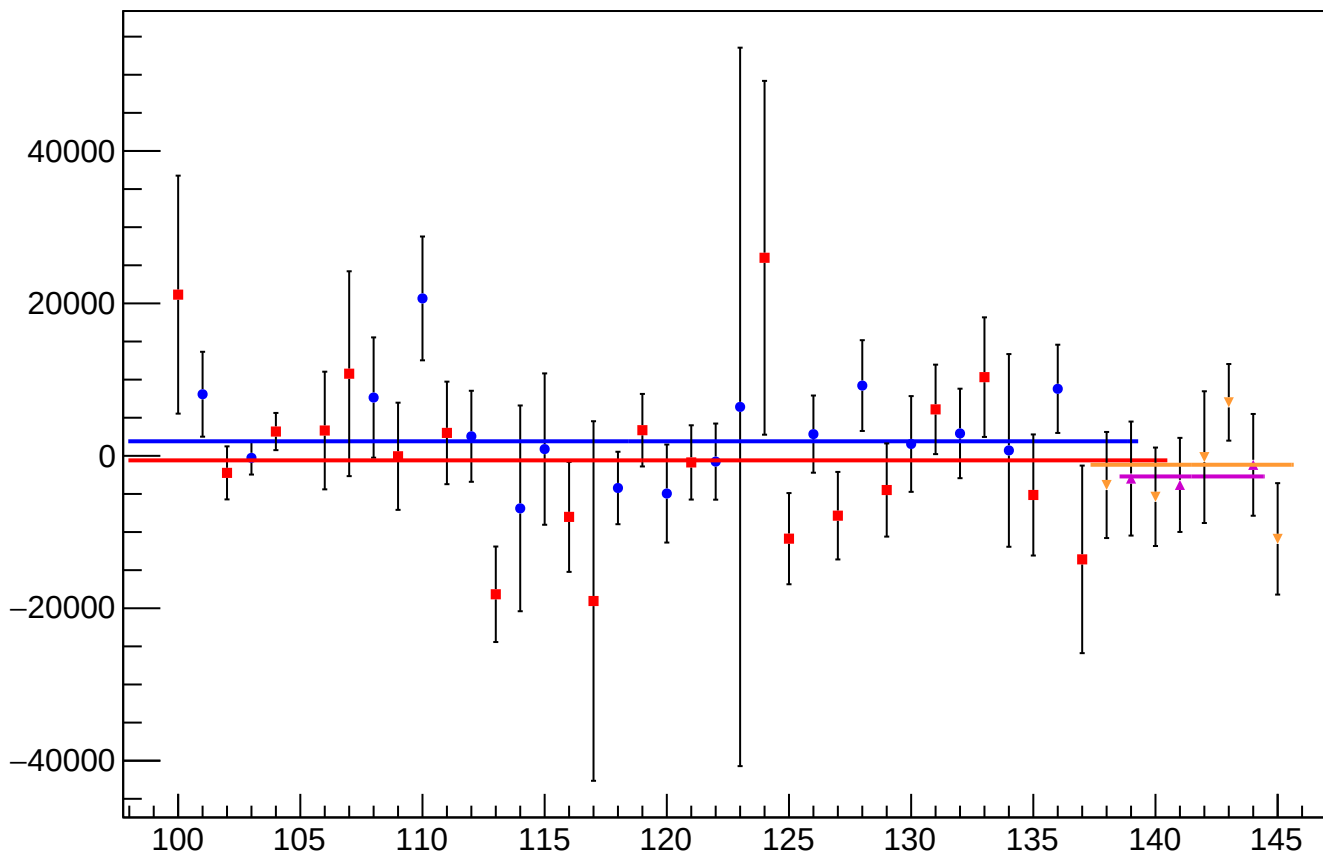
Right Out: 680.110 ± 0.307 χ^2/NDF : 8447884.2/19

Left In: 5637.141 ± 2.572 χ^2/NDF : 14444.5/2

883.407 ± 0.317 χ^2/NDF : 12117777.8/21

749.532 ± 0.304 χ^2/NDF : 12125265.9/22

asym_atl_avg_mean vs Slug



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

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

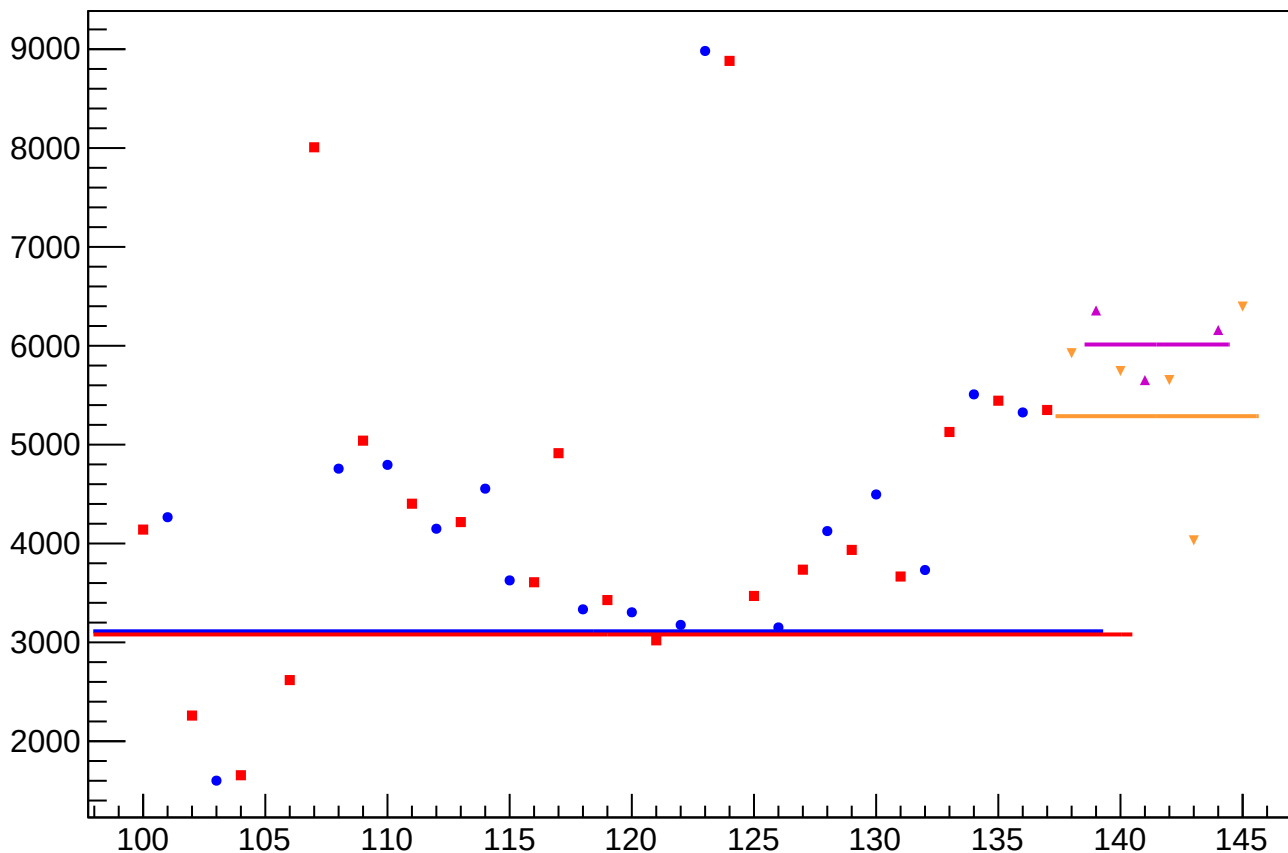
Right Out: -594.380+/-1283.911 χ^2/NDF : 27.0/19

Left In: -2704.675+/-3876.170 χ^2/NDF : 0.1/2

1396.950+/-1196.250 χ^2/NDF : 20.5/21

-803.020+/-1218.791 χ^2/NDF : 27.4/22

asym_atl_avg_rms vs Slug



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

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

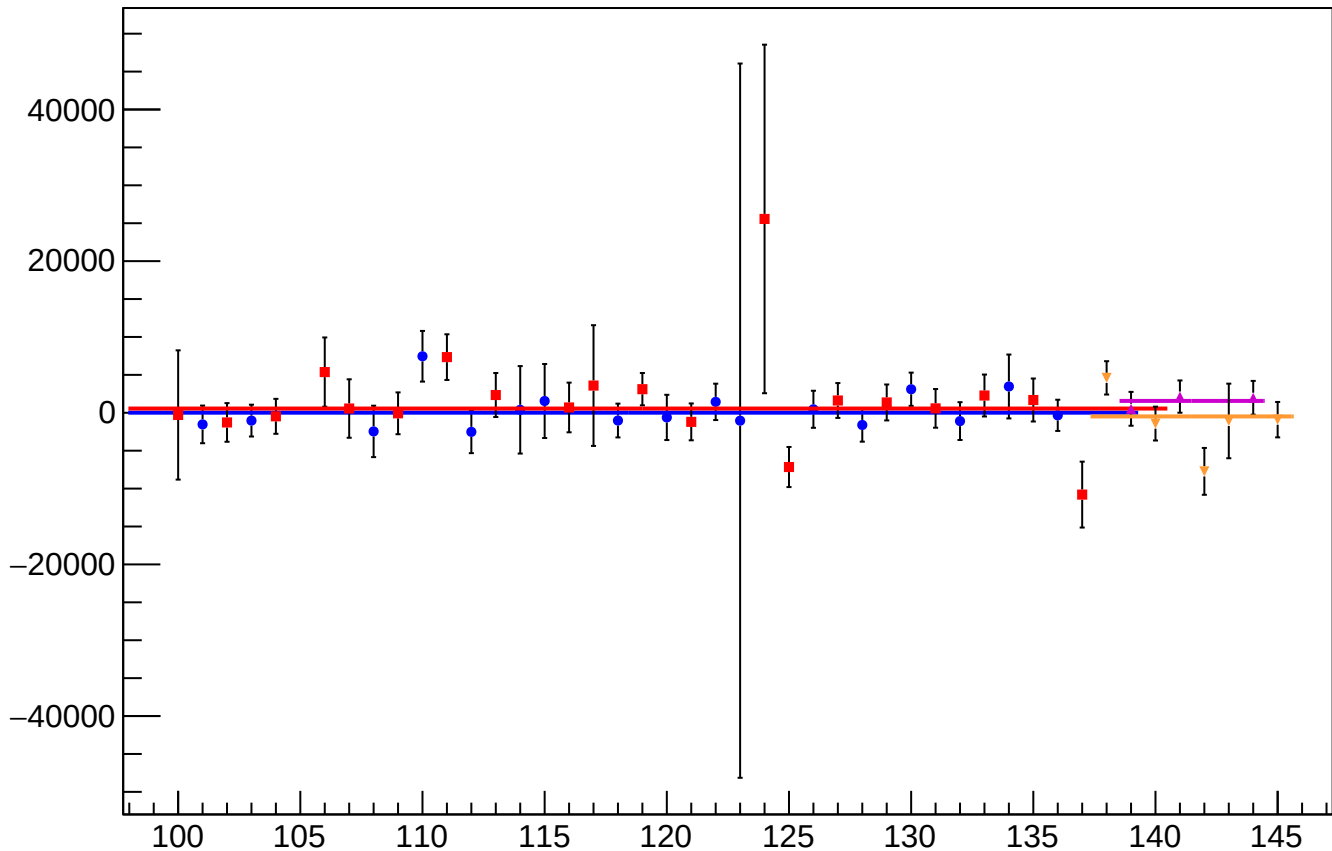
Right Out: 3080.063+/-0.895 χ^2/NDF : 2017746.3/19

Left In: 6012.860+/-2.741 χ^2/NDF : 12010.9/2

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

3362.515+/-0.851 χ^2/NDF : 3064443.6/22

reg_asym_atl_dd_mean vs Slug



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

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

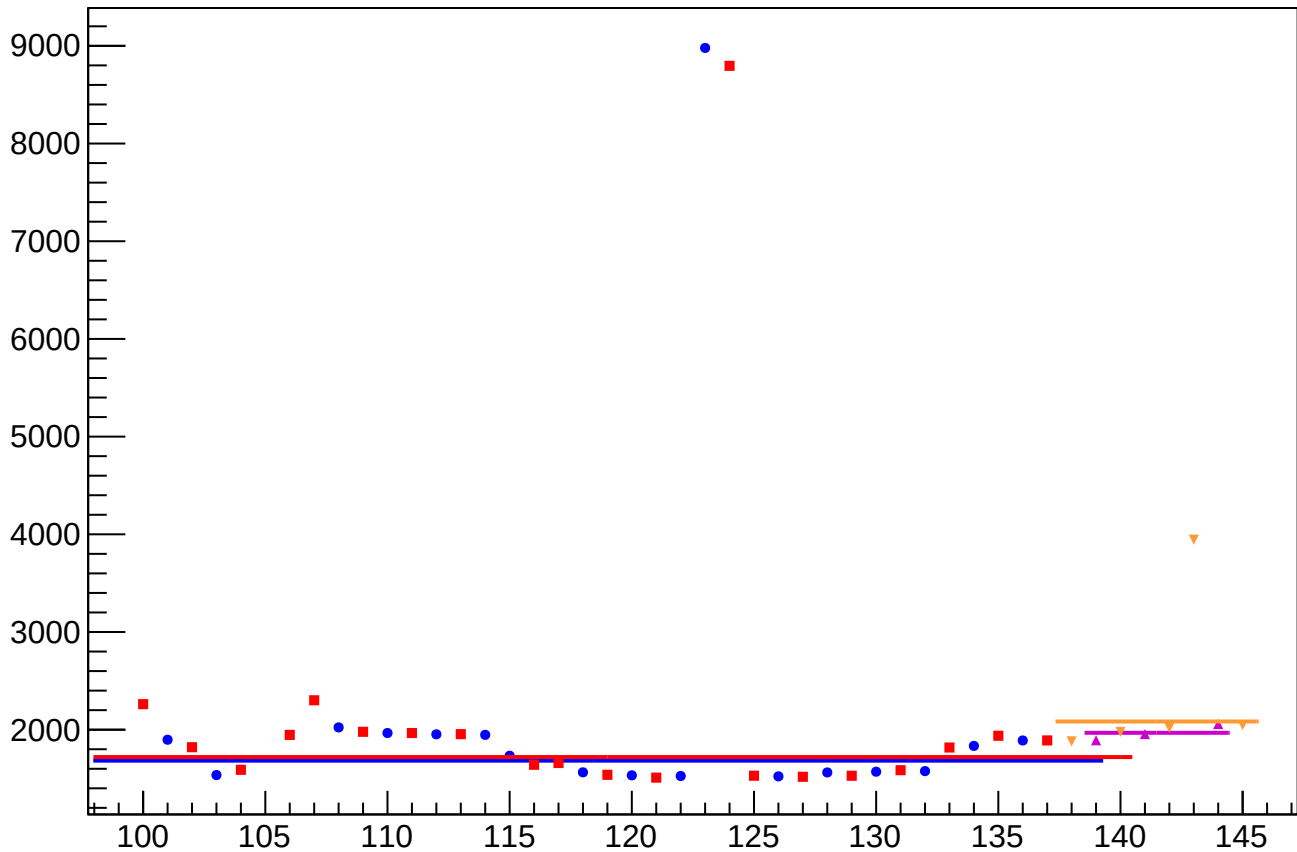
Right Out: 558.377+/-658.875 χ^2/NDF : 26.8/19

Left In: 1565.379+/-1266.602 χ^2/NDF : 0.3/2

-106.528+/-574.944 χ^2/NDF : 22.3/21

772.838+/-584.519 χ^2/NDF : 27.6/22

reg_asym_atl_dd_rms vs Slug



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

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

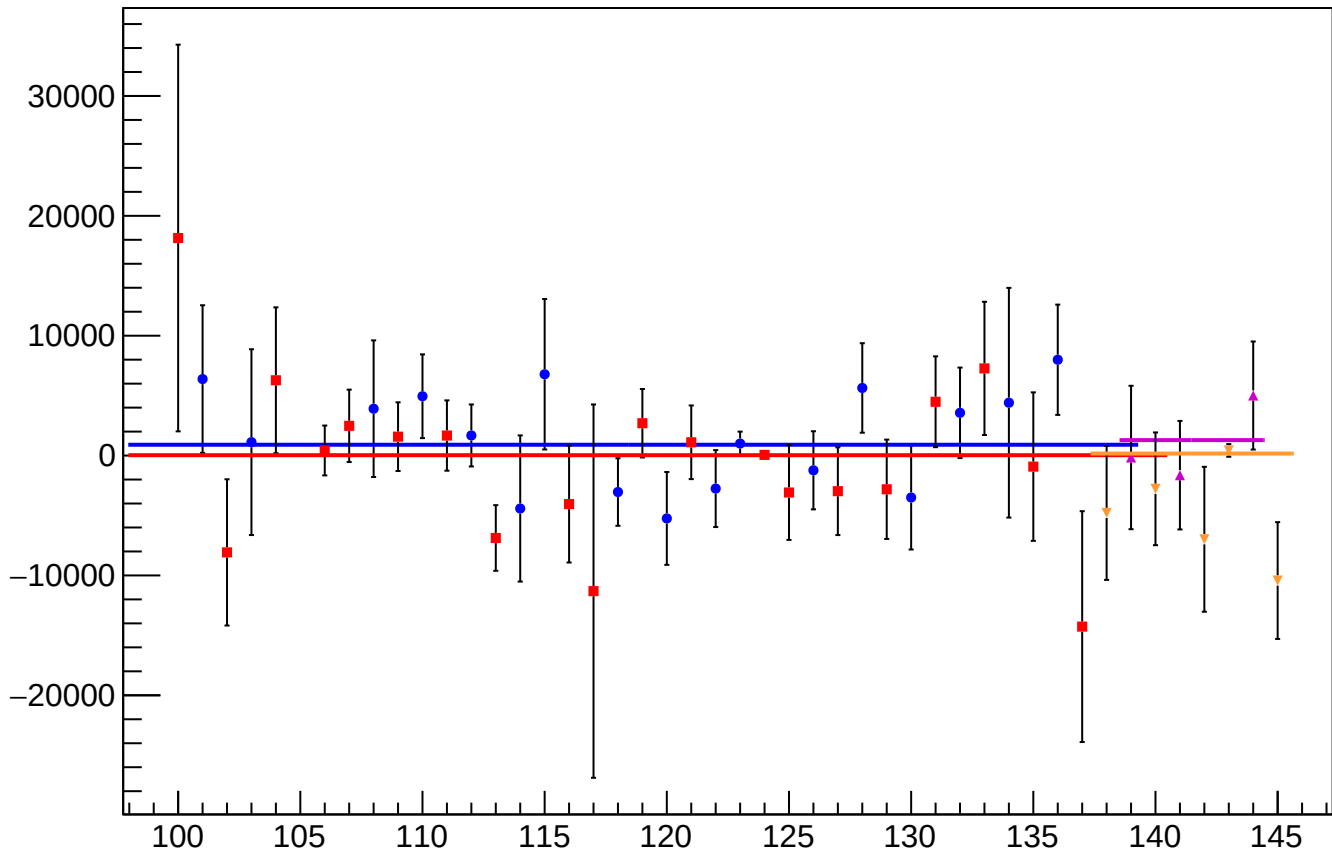
Right Out: 1719.963+/-0.464 χ^2/NDF : 396217.5/19

Left In: 1968.155+/-0.896 χ^2/NDF : 5705.5/2

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

1772.463+/-0.412 χ^2/NDF : 462472.3/22

asym_atl_dd_correction_mean vs Slug



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

Left Out: 169.248 $\pm$ 517.274 χ^2/NDF : 7.6/4

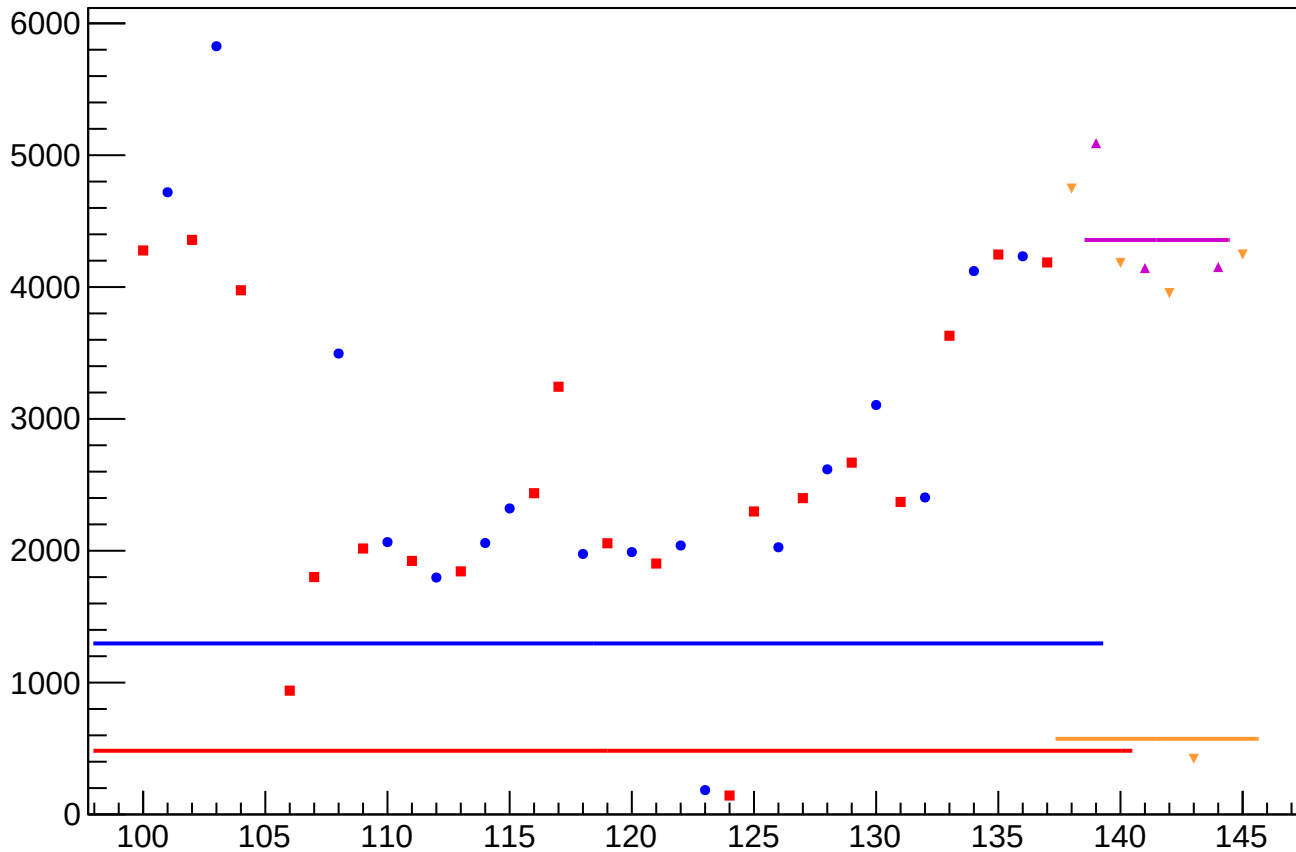
Right Out: 32.177 $\pm$ 357.083 χ^2/NDF : 21.0/19

Left In: 1288.035 $\pm$ 2817.468 χ^2/NDF : 1.2/2

425.879 $\pm$ 417.172 χ^2/NDF : 24.3/21

52.030 $\pm$ 354.249 χ^2/NDF : 22.4/22

asym_atl_dd_correction_rms vs Slug



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

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

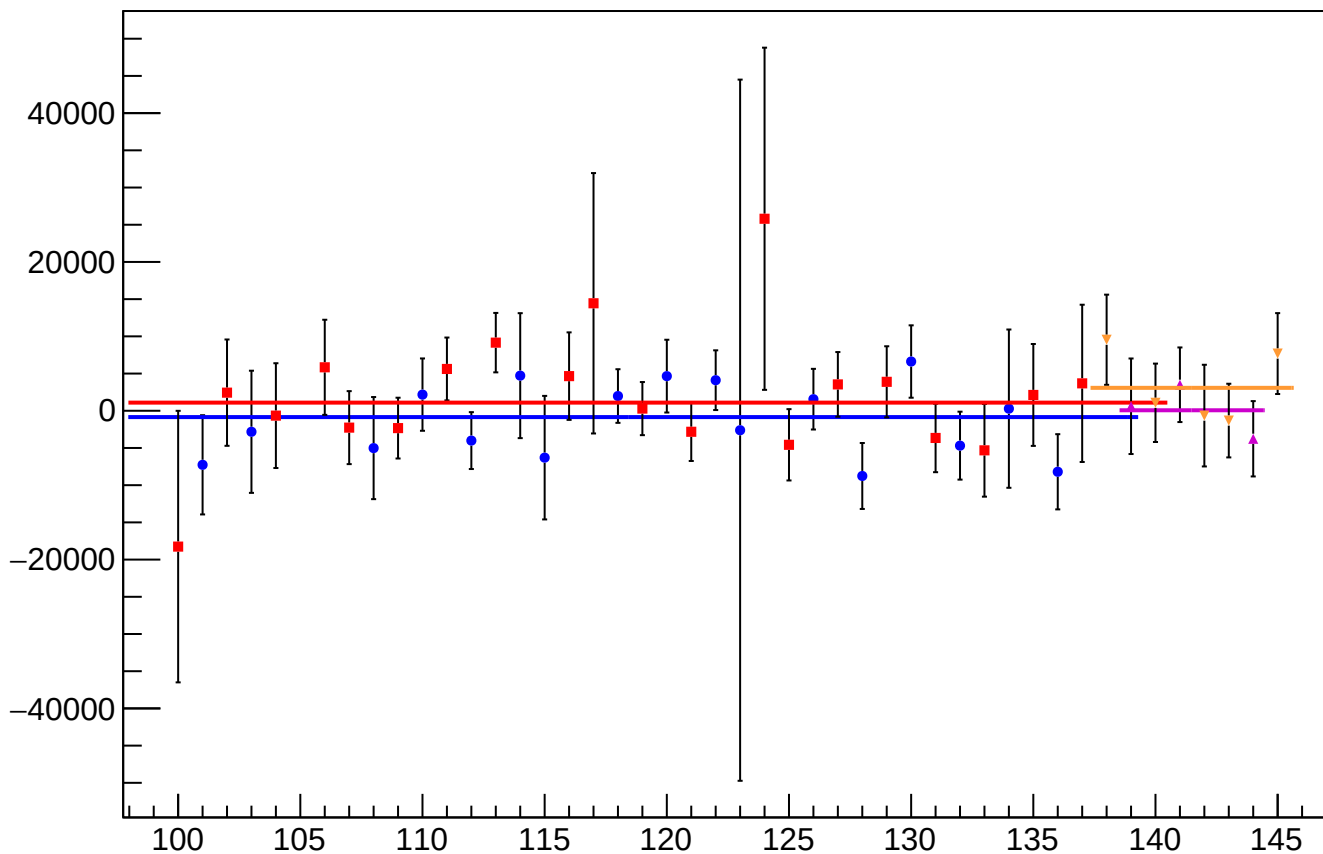
826.404+/-0.295 χ^2/NDF : 12098692.7/21

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

544.277+/-0.250 χ^2/NDF : 13967709.4/22

Left In: 4357.286+/-1.992 χ^2/NDF :38716.9/2

asym_atl_dd_mean vs Slug



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

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

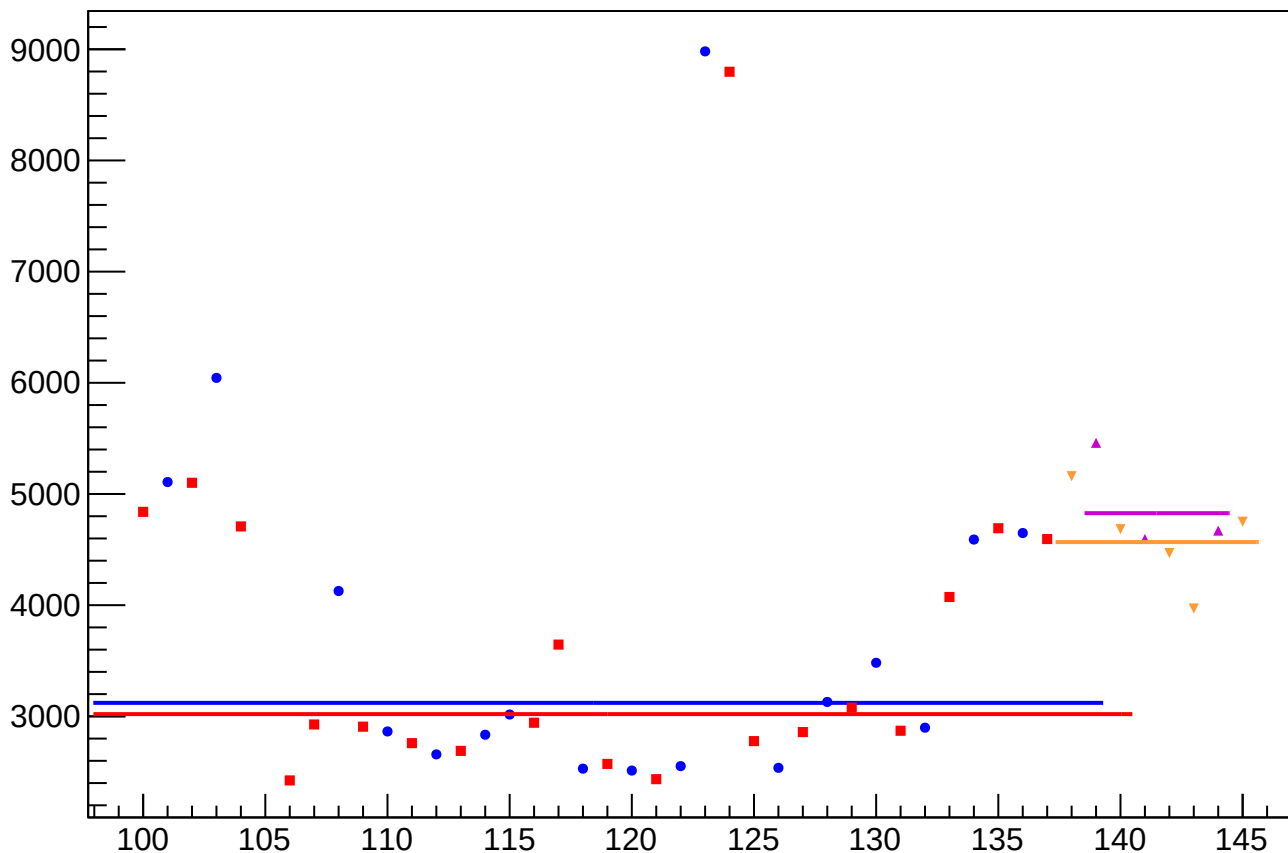
Right Out: 1095.033 ± 1187.966 χ^2/NDF : 15.6/19

Left In: 66.914 ± 3114.700 χ^2/NDF : 1.0/2

-54.809 ± 1126.369 χ^2/NDF : 20.5/21

964.465 ± 1109.972 χ^2/NDF : 16.7/22

asym_atl_dd_rms vs Slug



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

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

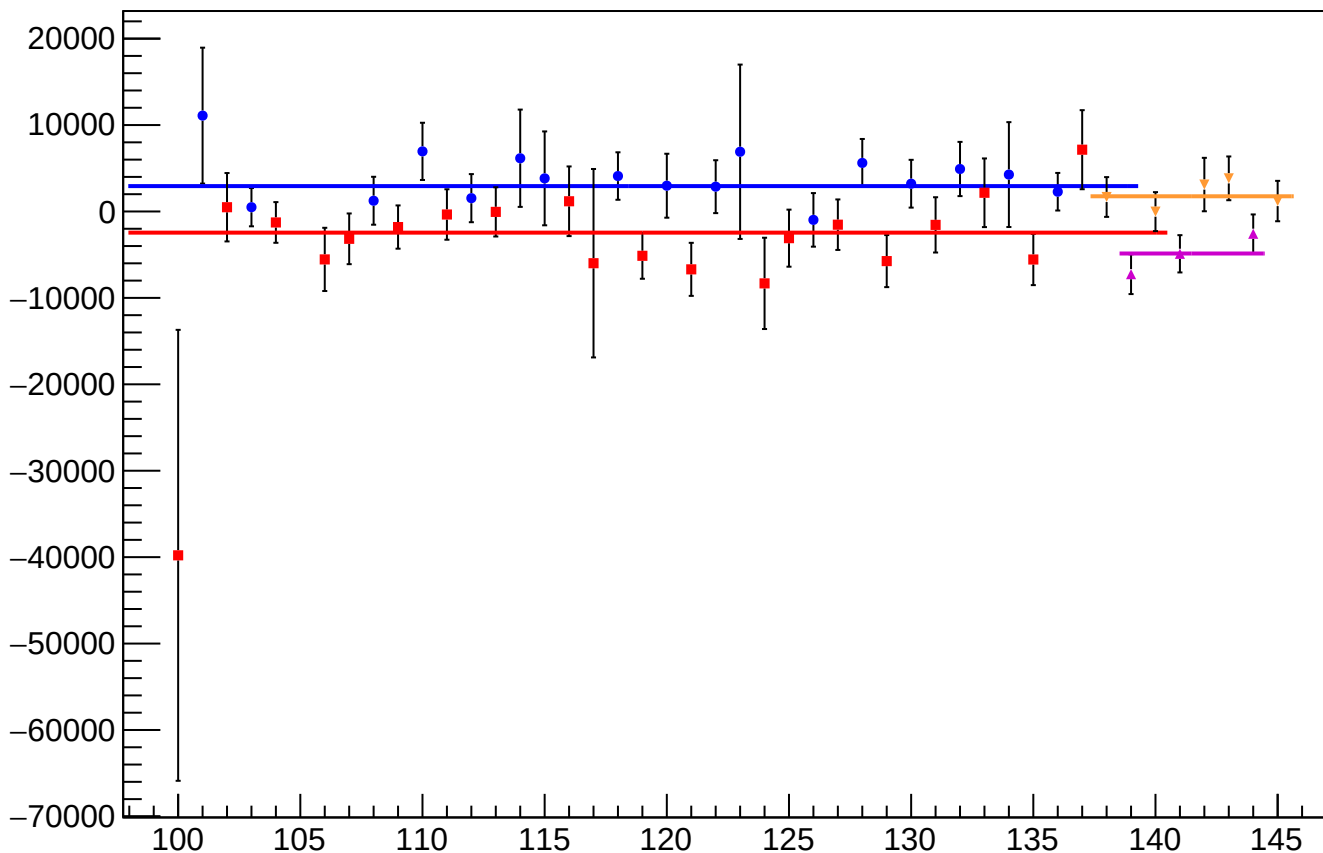
Right Out: 3020.039+/-0.830 χ^2/NDF : 794563.8/19

Left In: 4827.535+/-2.202 χ^2/NDF : 25639.2/2

3413.781+/-0.796 χ^2/NDF : 1529409.5/21

3244.635+/-0.776 χ^2/NDF : 1410035.3/22

reg_asym_atr_avg_mean vs Slug



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

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

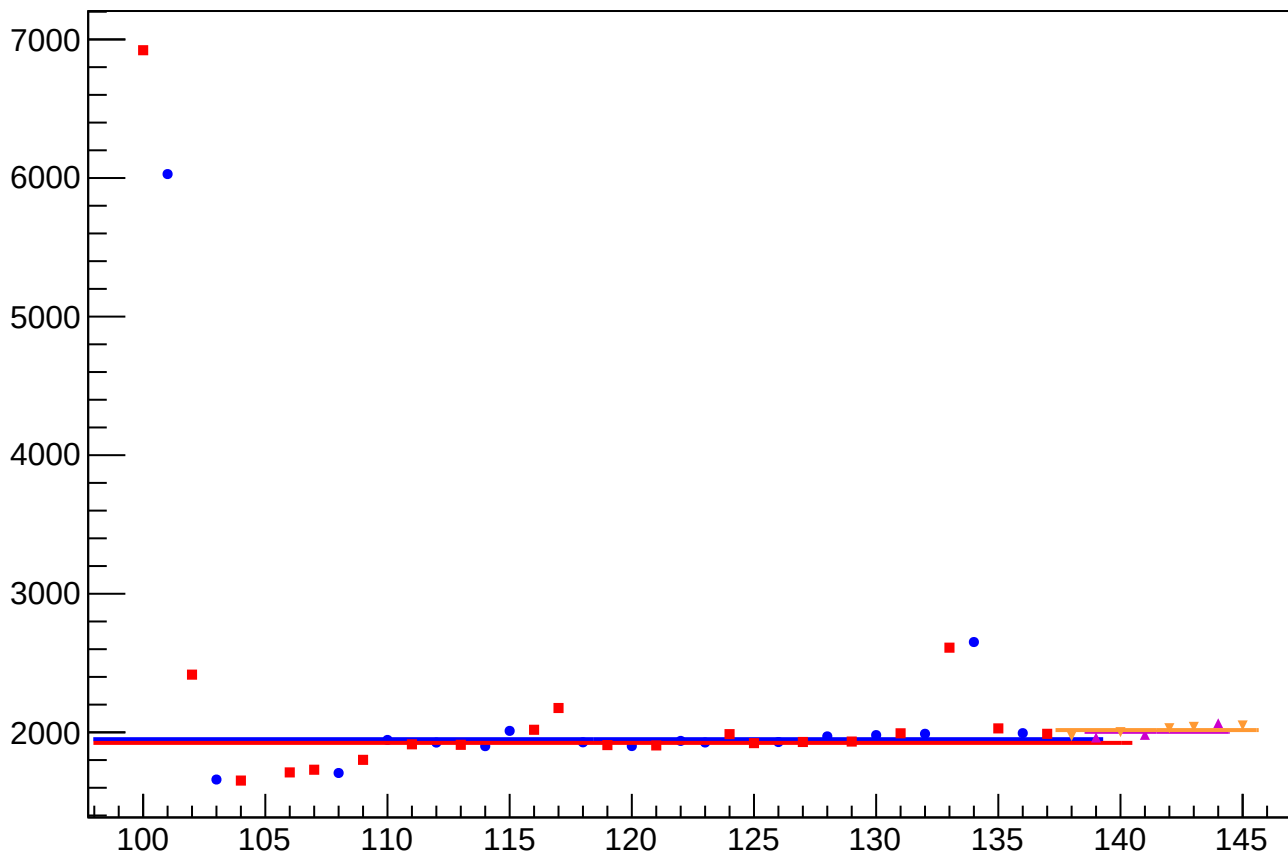
Right Out: -2449.072 ± 738.715 χ^2/NDF : 18.3/19

Left In: -4863.812 ± 1287.177 χ^2/NDF : 2.1/2

2543.886 ± 633.371 χ^2/NDF : 10.5/21

-3047.350 ± 640.700 χ^2/NDF : 23.0/22

reg_asym_atr_avg_rms vs Slug



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

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

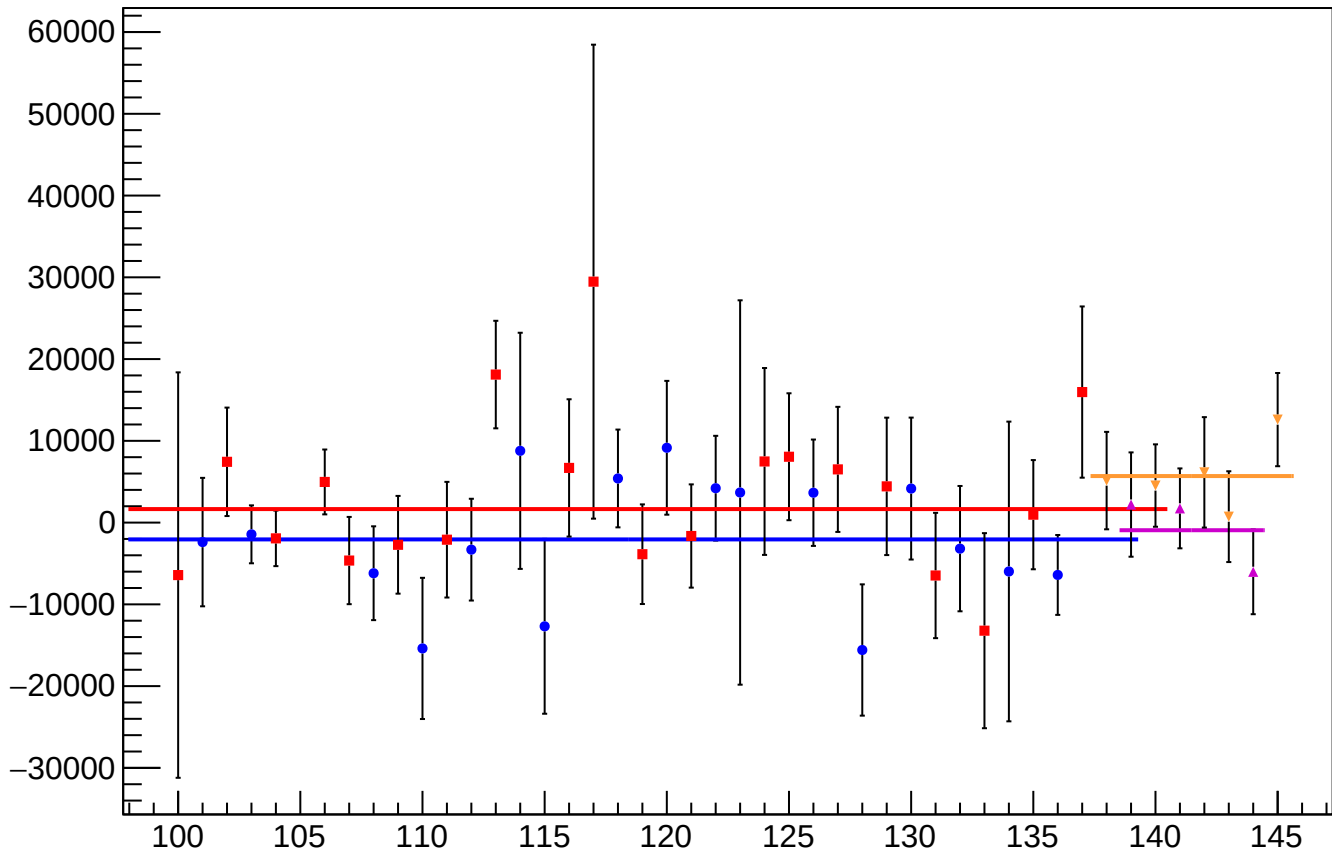
Right Out: 1923.907+/-0.521 χ^2/NDF : 218470.6/19

Left In: 2003.704+/-0.910 χ^2/NDF :2329.3/2

1972.472+/-0.448 χ^2/NDF : 623512.0/21

1943.609+/-0.452 χ^2/NDF : 226588.7/22

asym_atr_avg_correction_mean vs Slug



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

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

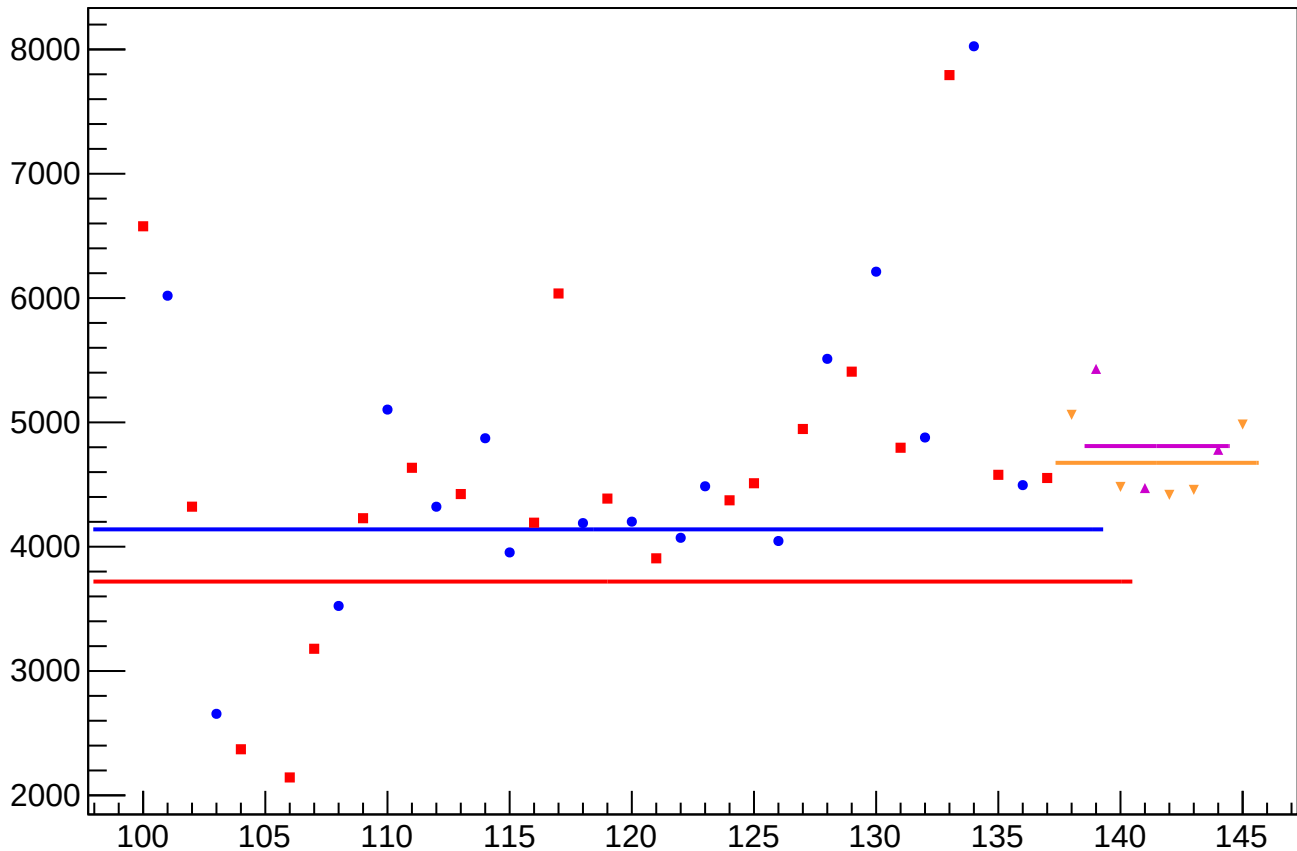
Right Out: 1652.978+/-1475.490 χ^2/NDF : 19.5/19

Left In: -932.517+/-3106.790 χ^2/NDF : 1.5/2

239.667+/-1393.358 χ^2/NDF : 22.7/21

1177.139+/-1332.816 χ^2/NDF : 21.6/22

asym_atr_avg_correction_rms vs Slug



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

Left Out: 4674.778+/-1.810 χ^2/NDF : 23172.4/4

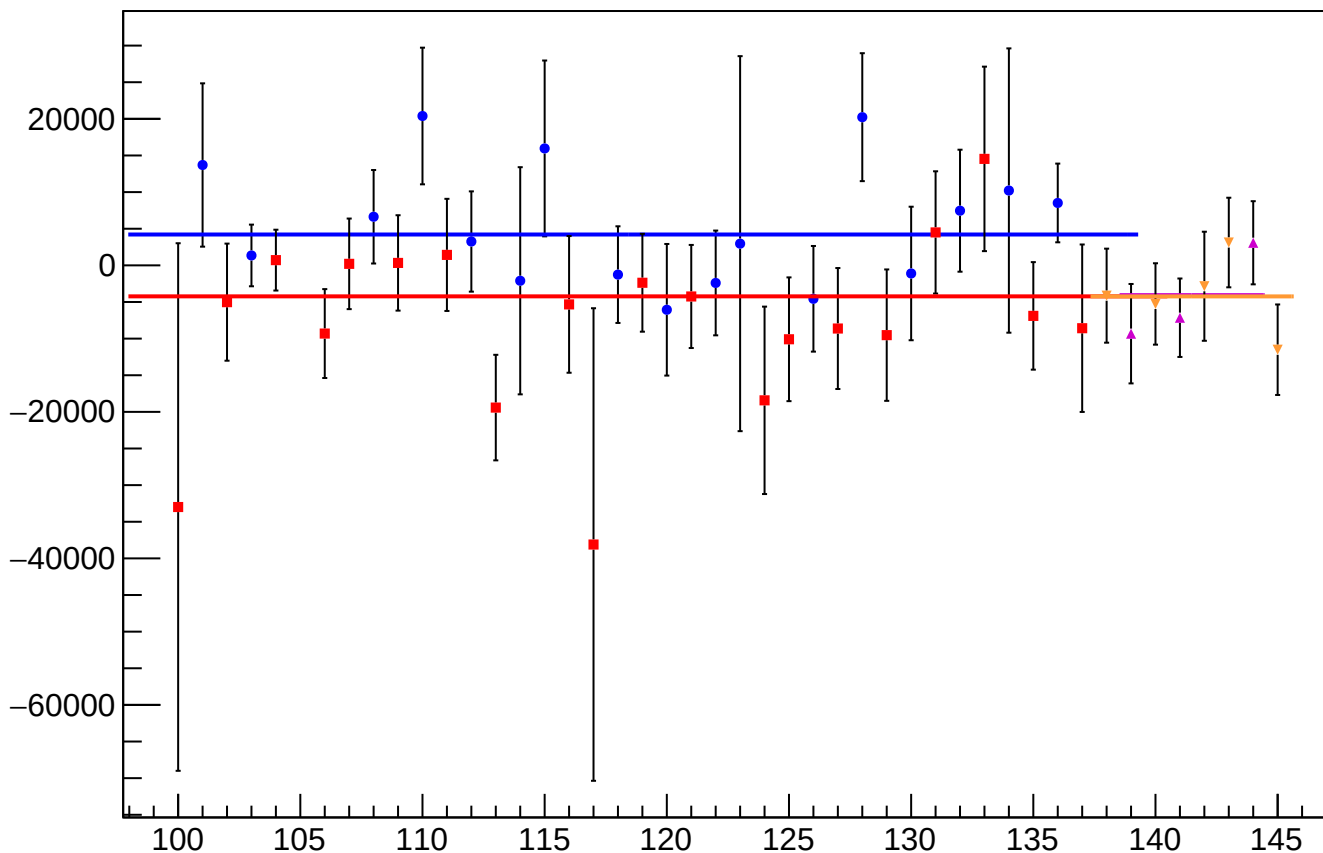
4298.065+/-0.985 χ^2/NDF : 898299.5/21

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

3920.146+/-0.942 χ^2/NDF : 1518062.0/22

Left In: 4809.519+/-2.197 χ^2/NDF : 28551.9/2

asym_atr_avg_mean vs Slug



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

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

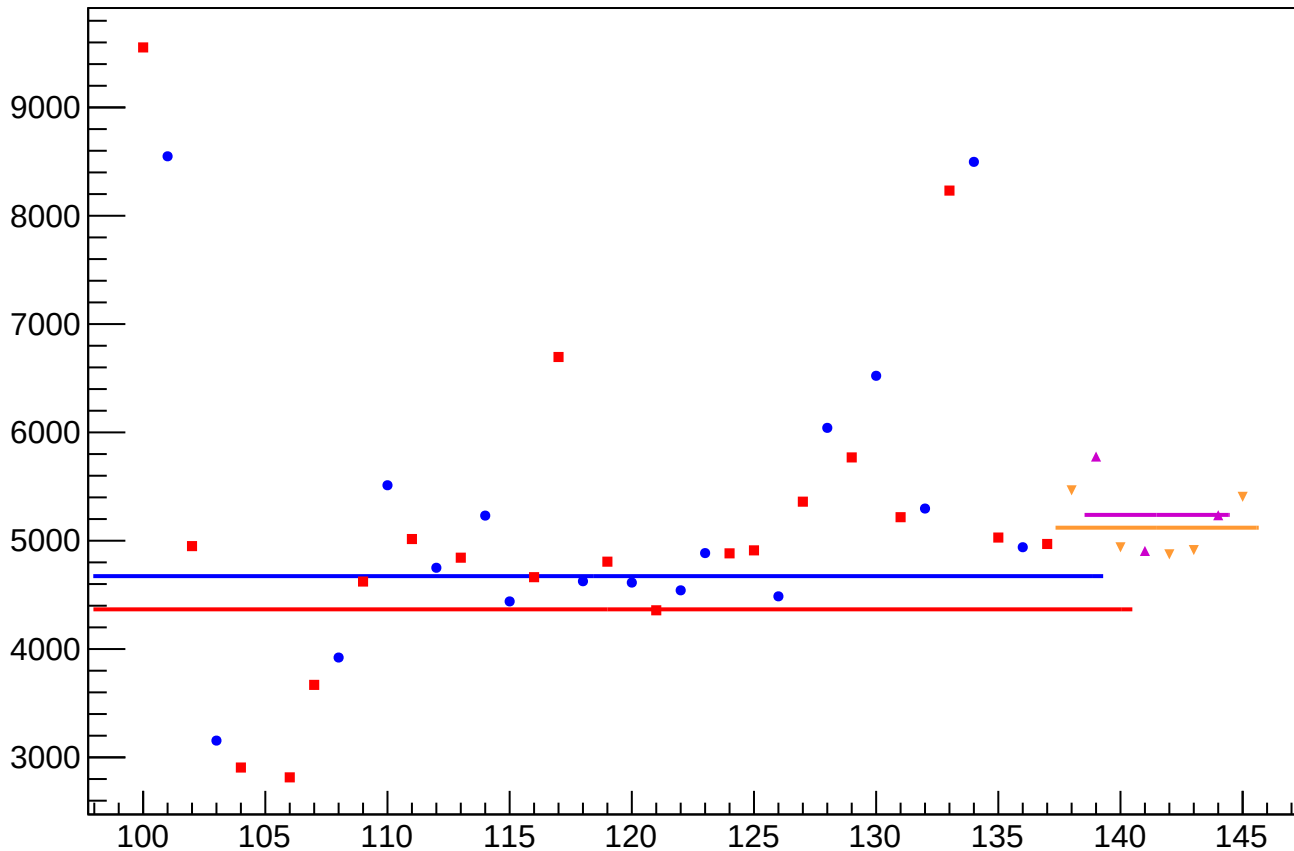
Right Out: -4230.596+/-1722.878 χ^2/NDF : 15.9/19

Left In: -4063.634+/-3377.852 χ^2/NDF : 2.5/2

1601.471+/-1555.605 χ^2/NDF : 23.6/21

-4196.127+/-1534.769 χ^2/NDF : 18.4/22

asym_atr_avg_rms vs Slug



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

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

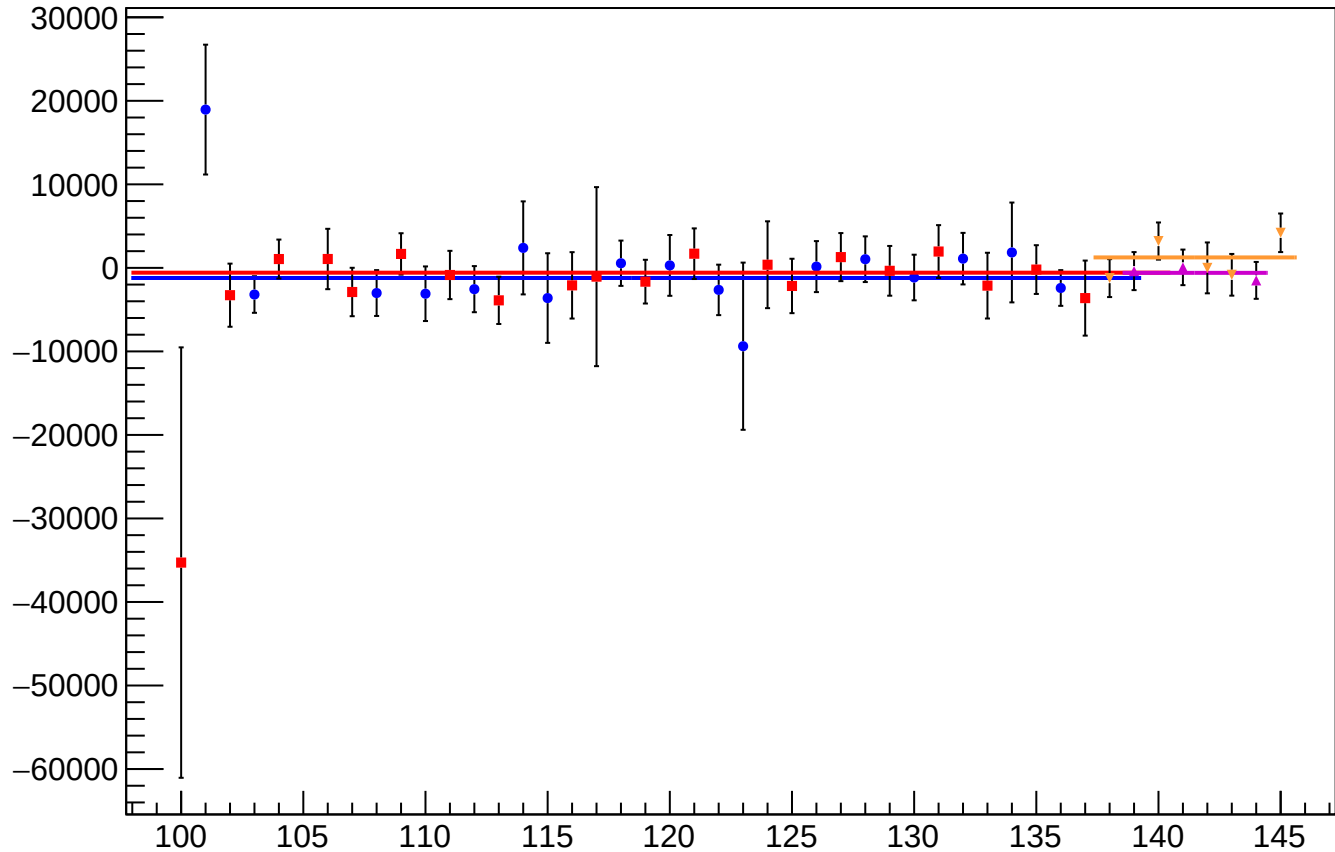
Right Out: 4366.422 ± 1.211 χ^2/NDF : 842654.3/19

Left In: 5238.414 ± 2.389 χ^2/NDF : 20328.3/2

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

4544.797 ± 1.080 χ^2/NDF : 969001.0/22

reg_asym_atr_dd_mean vs Slug



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

Left Out: 1250.520 ± 1083.544 $\chi^2/\text{NDF}: 4.5/4$

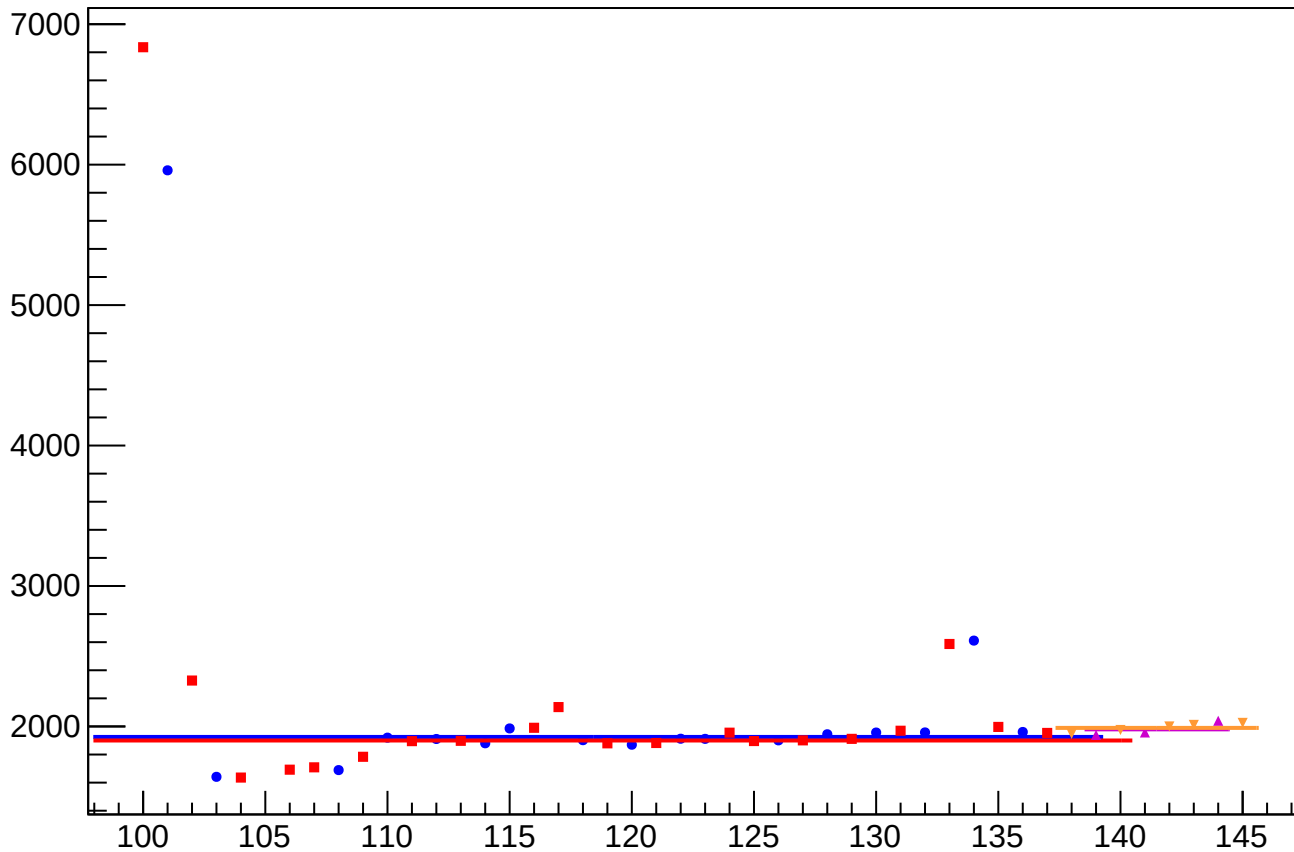
Right Out: -575.663 ± 728.976 $\chi^2/\text{NDF}: 8.7/19$

Left In: -595.596 ± 1271.464 $\chi^2/\text{NDF}: 0.3/2$

-391.878 ± 625.101 $\chi^2/\text{NDF}: 20.6/21$

-580.594 ± 632.408 $\chi^2/\text{NDF}: 9.0/22$

reg_asym_atr_dd_rms vs Slug



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

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

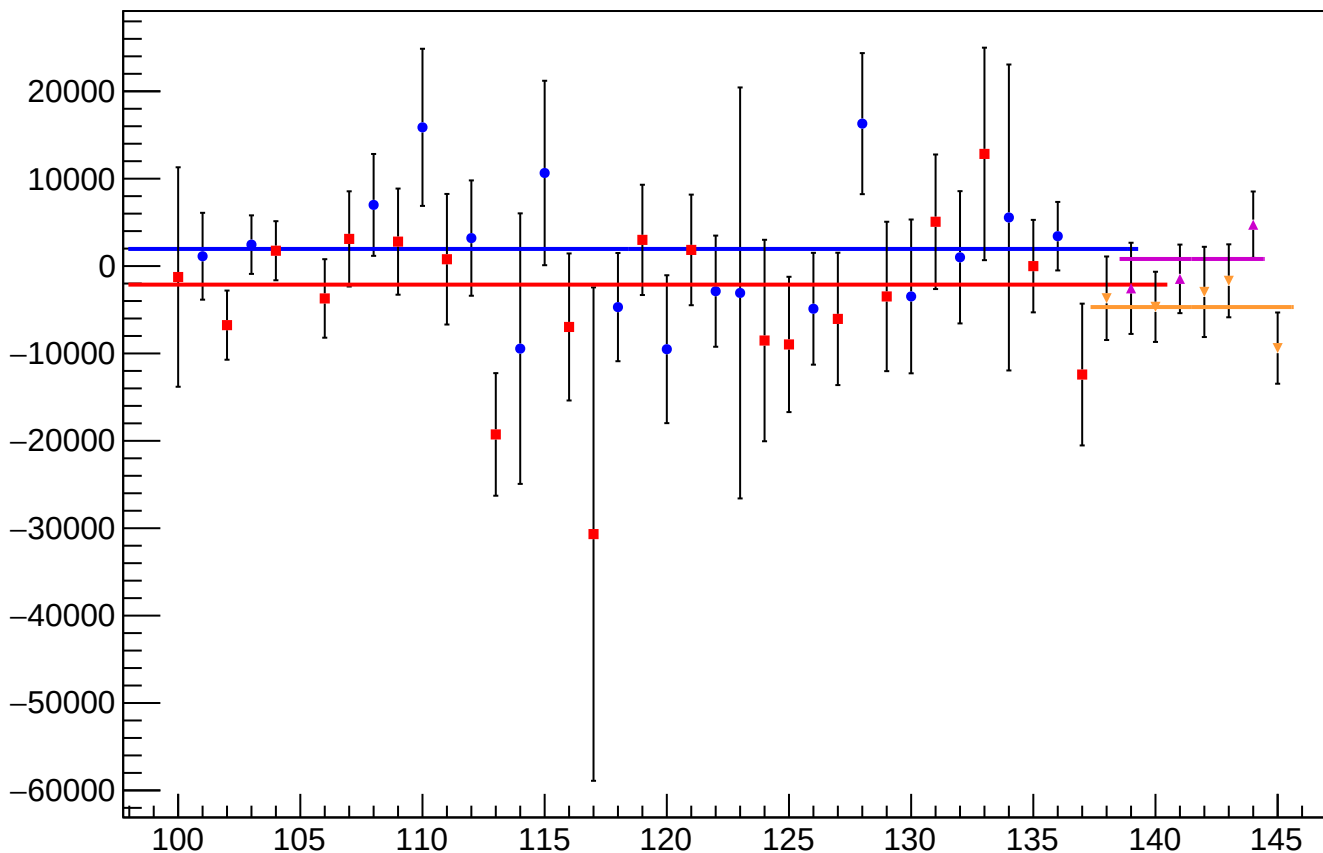
Right Out: 1899.955 ± 0.514 χ^2/NDF : 211865.1/19

Left In: 1979.274 ± 0.899 χ^2/NDF : 2353.2/2

1946.731 ± 0.442 χ^2/NDF : 622002.4/21

1919.511 ± 0.446 χ^2/NDF : 220082.7/22

asym_atr_dd_correction_mean vs Slug



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

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

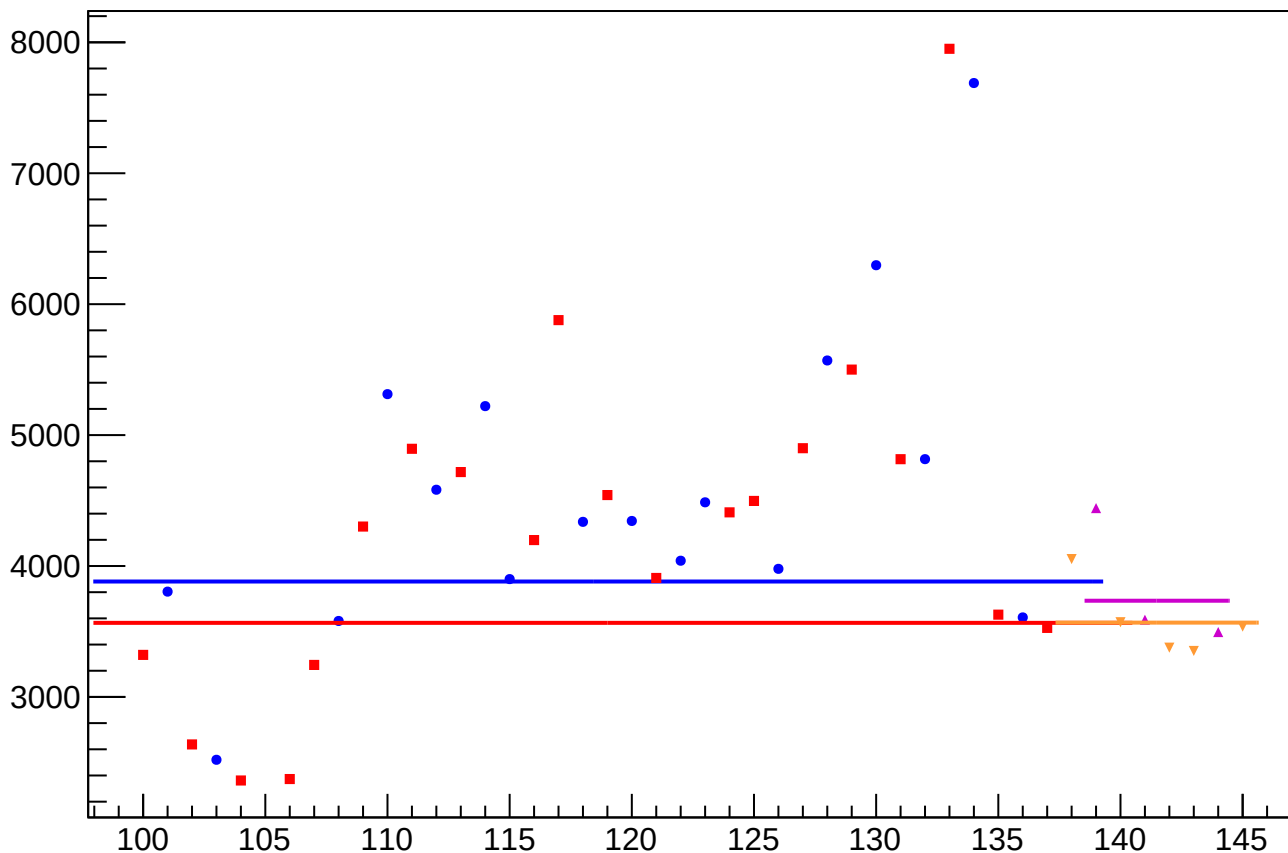
Right Out: -2124.415 ± 1411.872 χ^2/NDF : 18.5/19

Left In: 811.512 ± 2418.419 χ^2/NDF : 1.8/2

-616.869 ± 1218.555 χ^2/NDF : 22.0/21

-1378.135 ± 1219.298 χ^2/NDF : 21.4/22

asym_atr_dd_correction_rms vs Slug



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

Left Out: 3567.643+/-1.384 χ^2/NDF : 28868.4/4

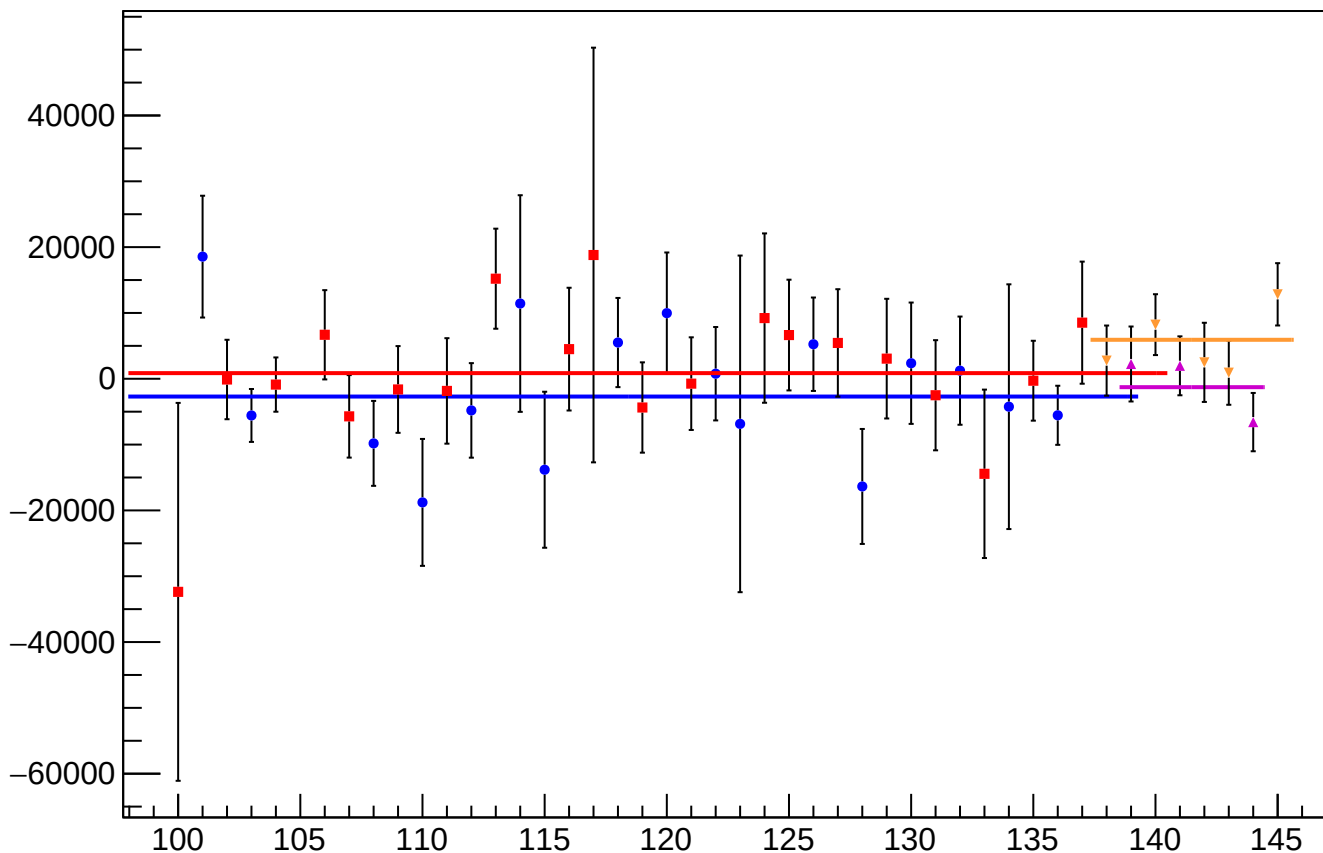
3759.970+/-0.862 χ^2/NDF : 877837.2/21

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

3608.805+/-0.862 χ^2/NDF : 1309708.4/22

Left In: 3734.835+/-1.710 χ^2/NDF : 47452.1/2

asym_atr_dd_mean vs Slug



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

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

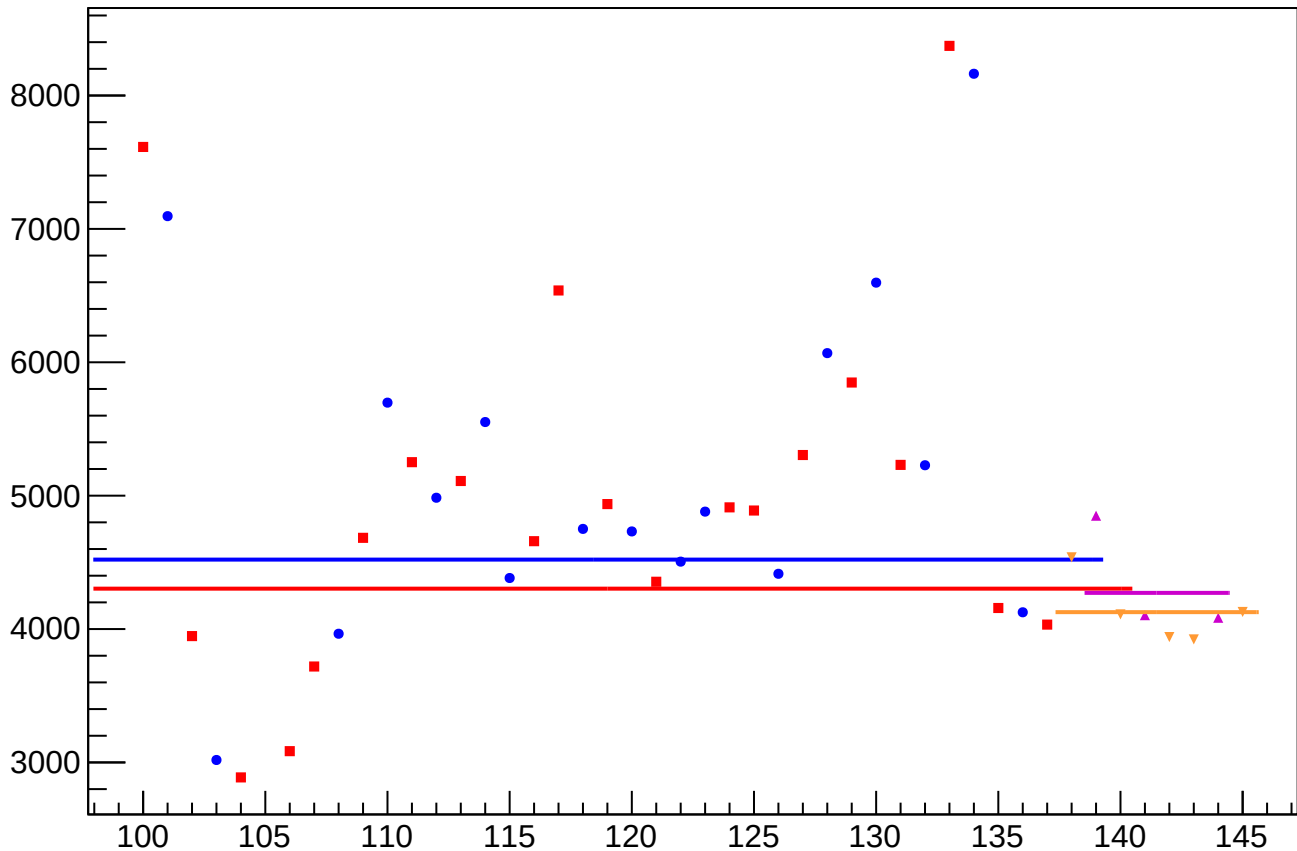
Right Out: 857.617 ± 1687.925 χ^2/NDF : 11.9/19

Left In: -1276.271 ± 2755.634 χ^2/NDF : 2.3/2

671.446 ± 1411.628 χ^2/NDF : 32.7/21

275.422 ± 1439.363 χ^2/NDF : 14.7/22

asym_atr_dd_rms vs Slug



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

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

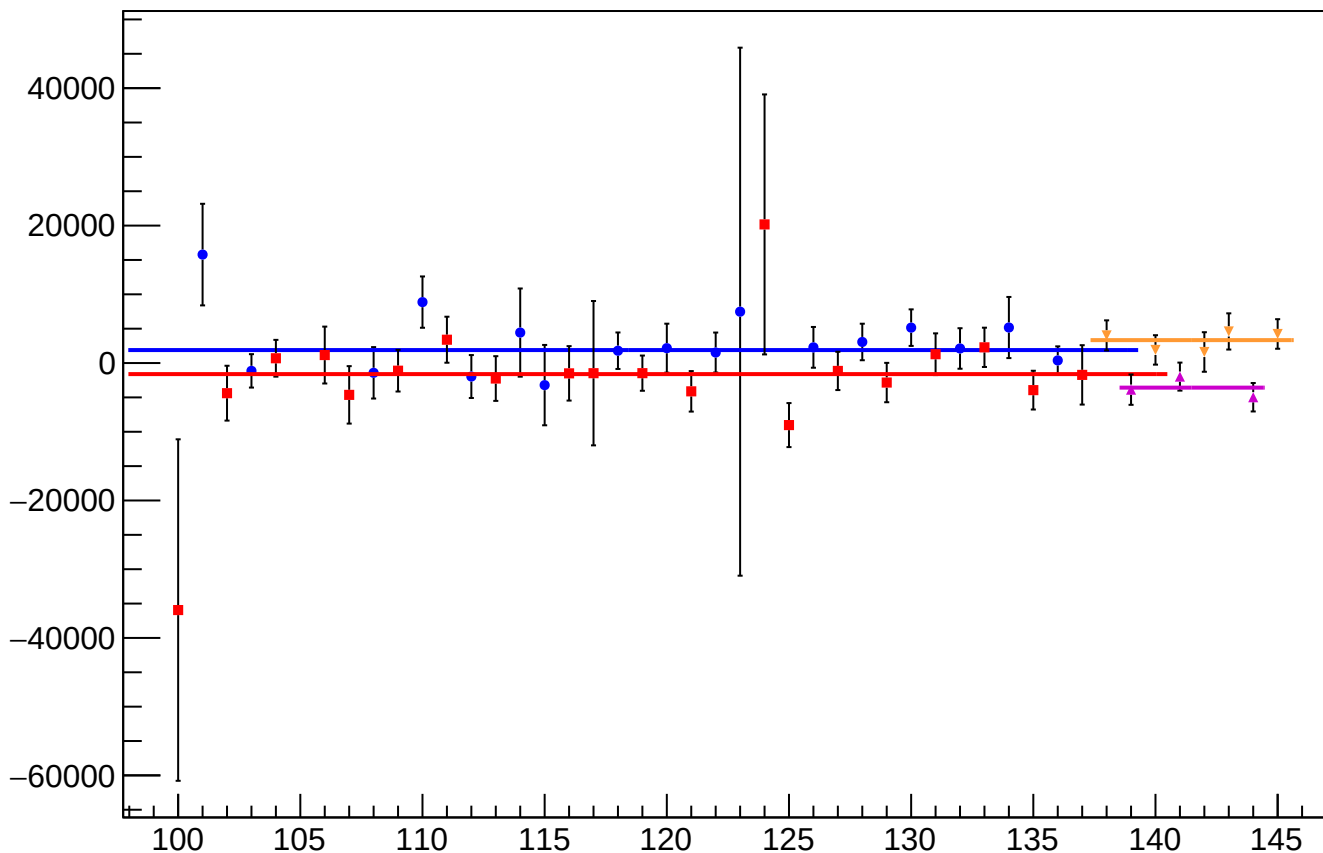
Right Out: 4302.892+/-1.187 χ^2/NDF : 781886.1/19

Left In: 4271.240+/-1.949 χ^2/NDF :26977.1/2

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

4294.326+/-1.014 χ^2/NDF : 809055.6/22

reg_asym_at1_avg_mean vs Slug



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

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

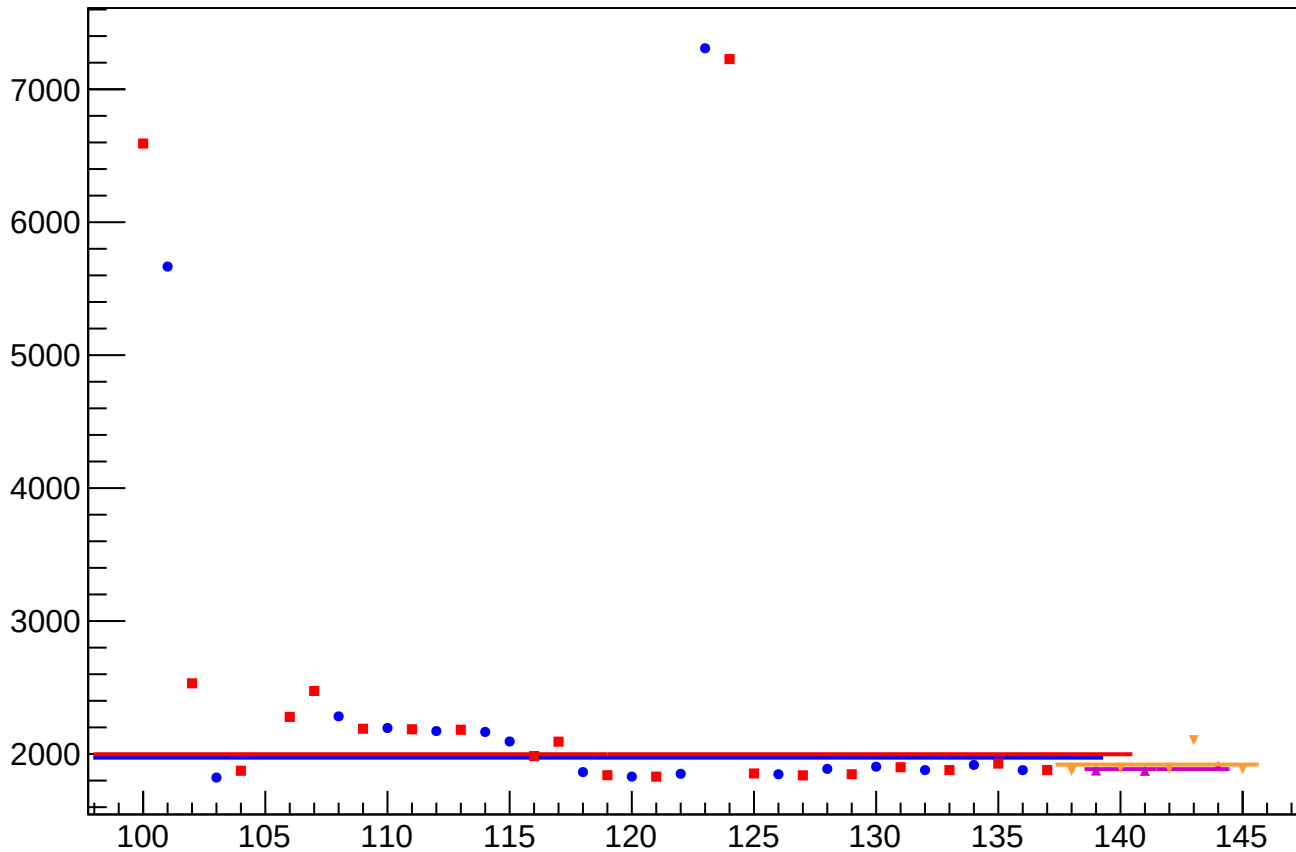
Right Out: -1609.604+/-763.815 χ^2/NDF : 17.5/19

Left In: -3578.304+/-1213.423 χ^2/NDF : 1.1/2

2405.658+/-628.042 χ^2/NDF : 17.2/21

-2168.296+/-646.411 χ^2/NDF : 20.5/22

reg_asym_at1_avg_rms vs Slug



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

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

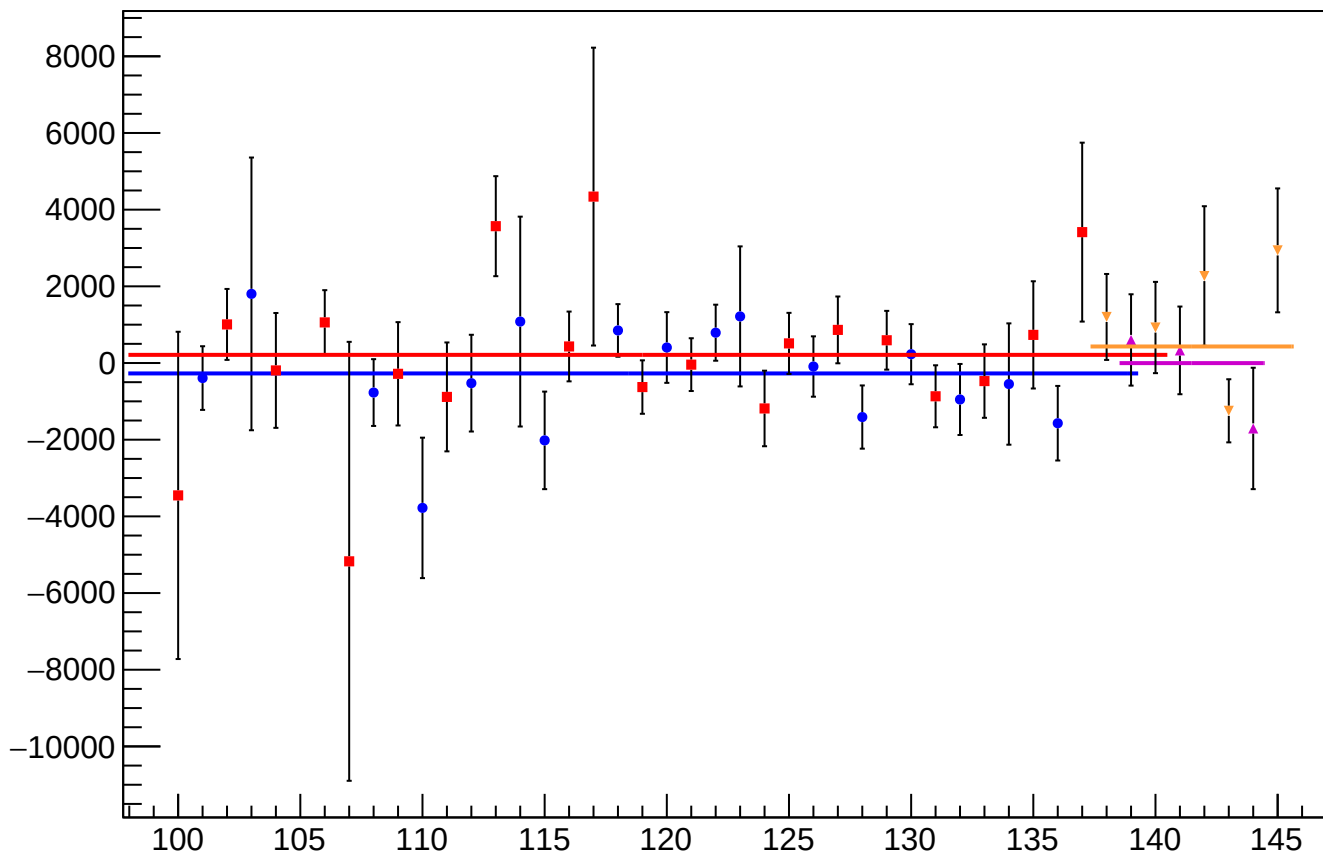
1953.881+/-0.444 χ^2/NDF : 615605.1/21

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

1966.336+/-0.457 χ^2/NDF : 368319.6/22

Left In: 1886.047+/-0.858 χ^2/NDF : 358.5/2

asym_at1_avg_correction_mean vs Slug



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

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

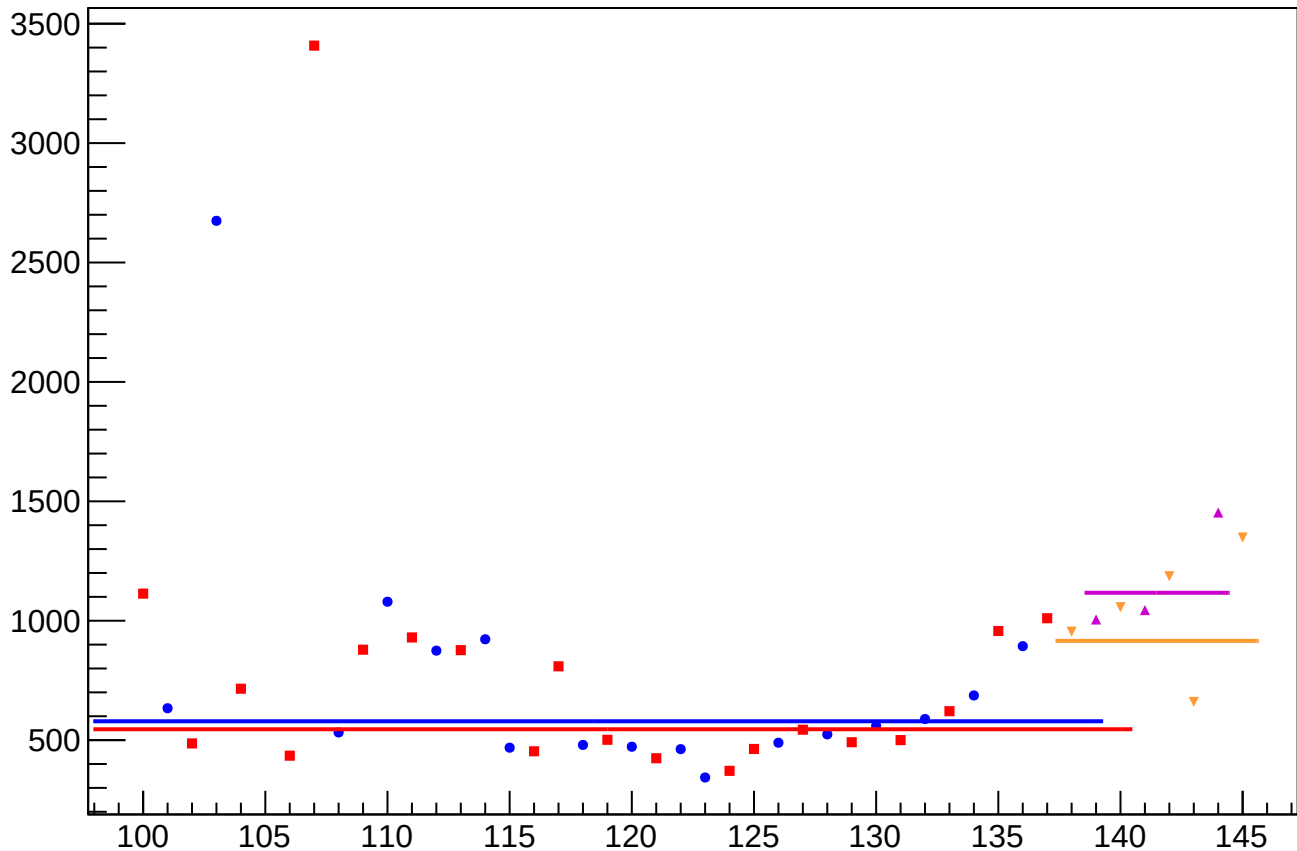
Right Out: 212.774 ± 228.638 χ^2/NDF : 20.9/19

Left In: -2.657 ± 731.528 χ^2/NDF : 1.5/2

-149.155 ± 218.258 χ^2/NDF : 26.9/21

193.603 ± 218.228 χ^2/NDF : 22.4/22

asym_at1_avg_correction_rms vs Slug



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

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

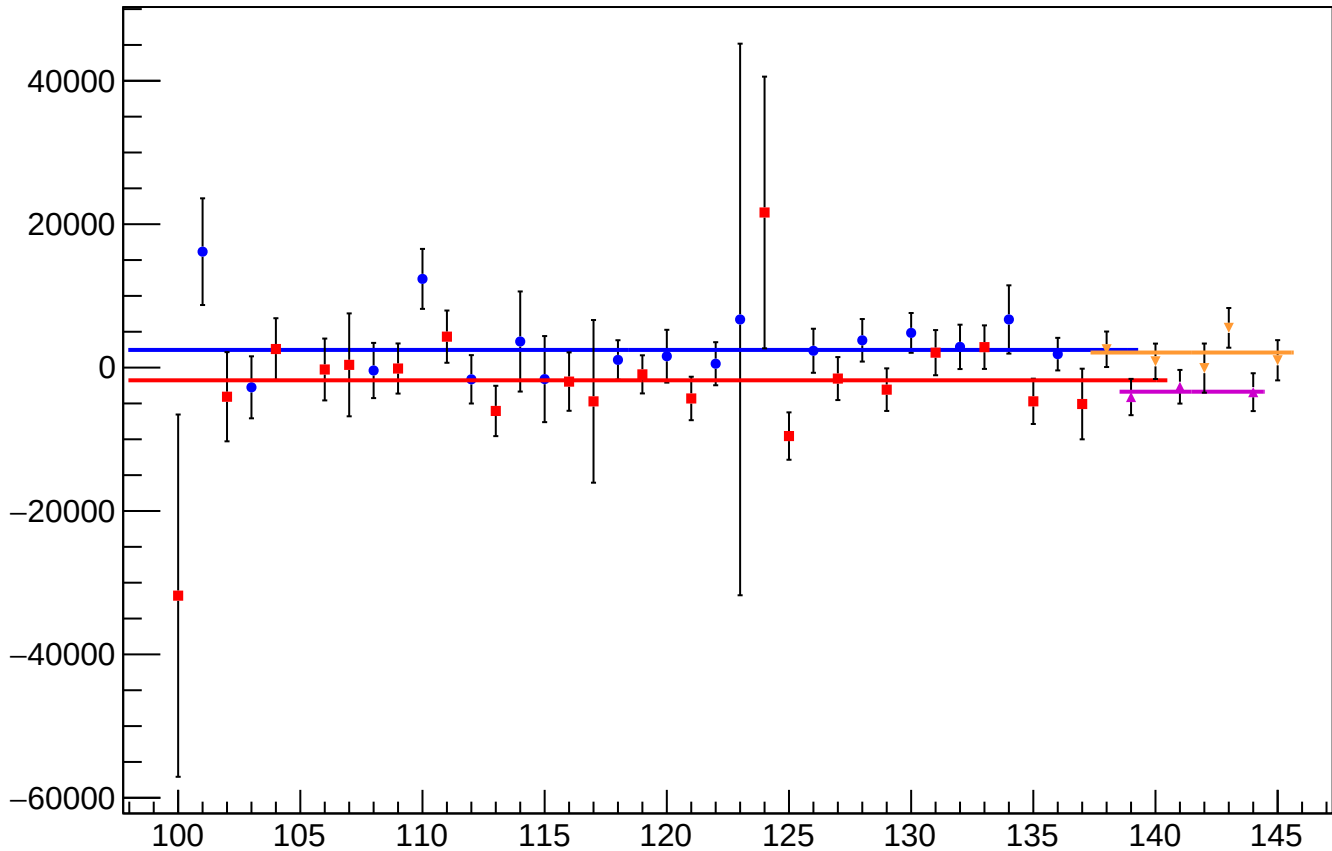
Right Out: 545.590 ± 0.162 χ^2/NDF : 1467038.8/19

Left In: 1117.007 ± 0.517 χ^2/NDF : 115768.3/2

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

596.442 ± 0.154 χ^2/NDF : 2694526.8/22

asym_at1_avg_mean vs Slug



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

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

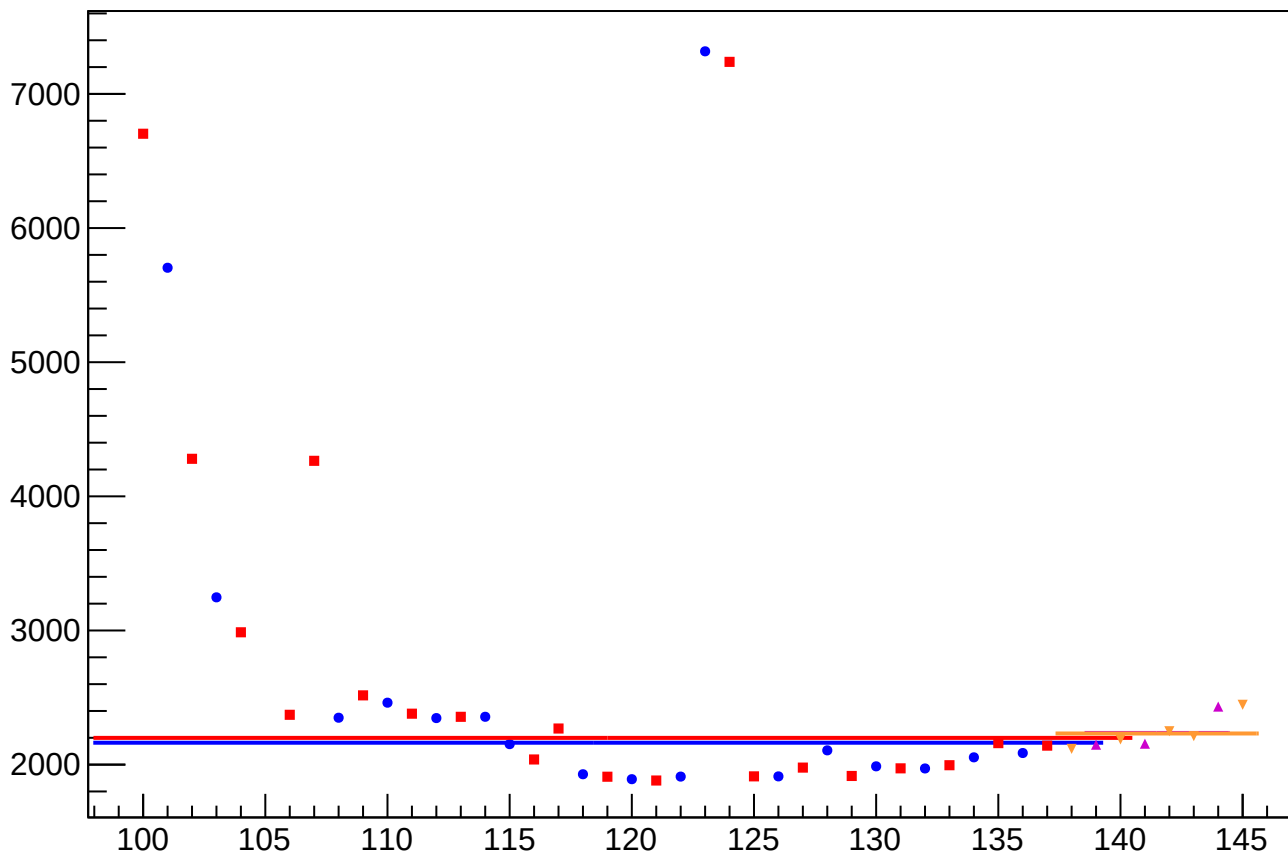
Right Out: -1773.396 ± 850.889 χ^2/NDF : 20.5/19

Left In: -3362.440 ± 1441.563 χ^2/NDF : 0.2/2

2343.441 ± 705.045 χ^2/NDF : 18.0/21

-2183.974 ± 732.763 χ^2/NDF : 21.6/22

asym_at1_avg_rms vs Slug



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

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

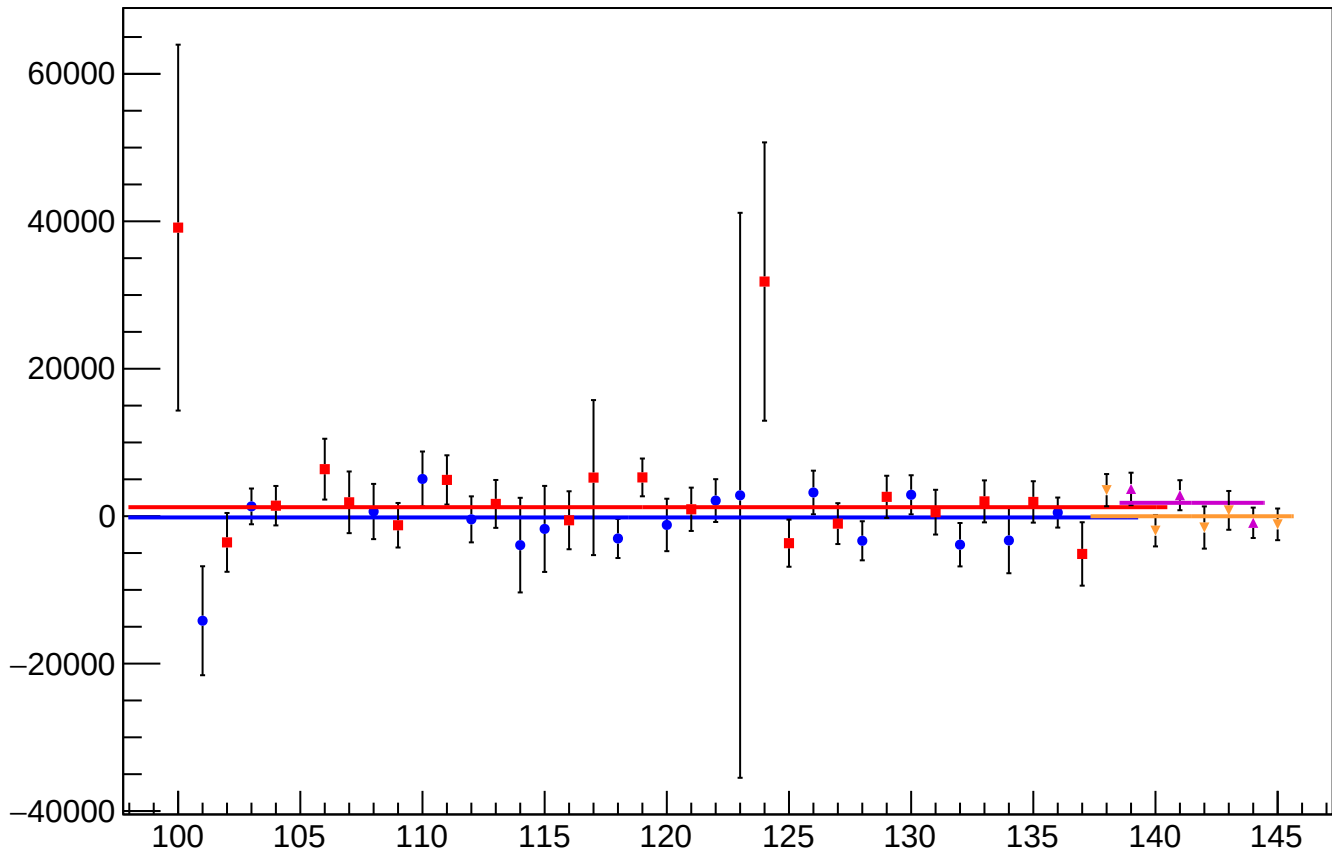
Right Out: 2199.398+/-0.602 χ^2/NDF : 803373.4/19

Left In: 2236.159+/-1.019 χ^2/NDF :15807.9/2

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

2208.896+/-0.518 χ^2/NDF : 820145.8/22

reg_asym_at1_dd_mean vs Slug



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

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

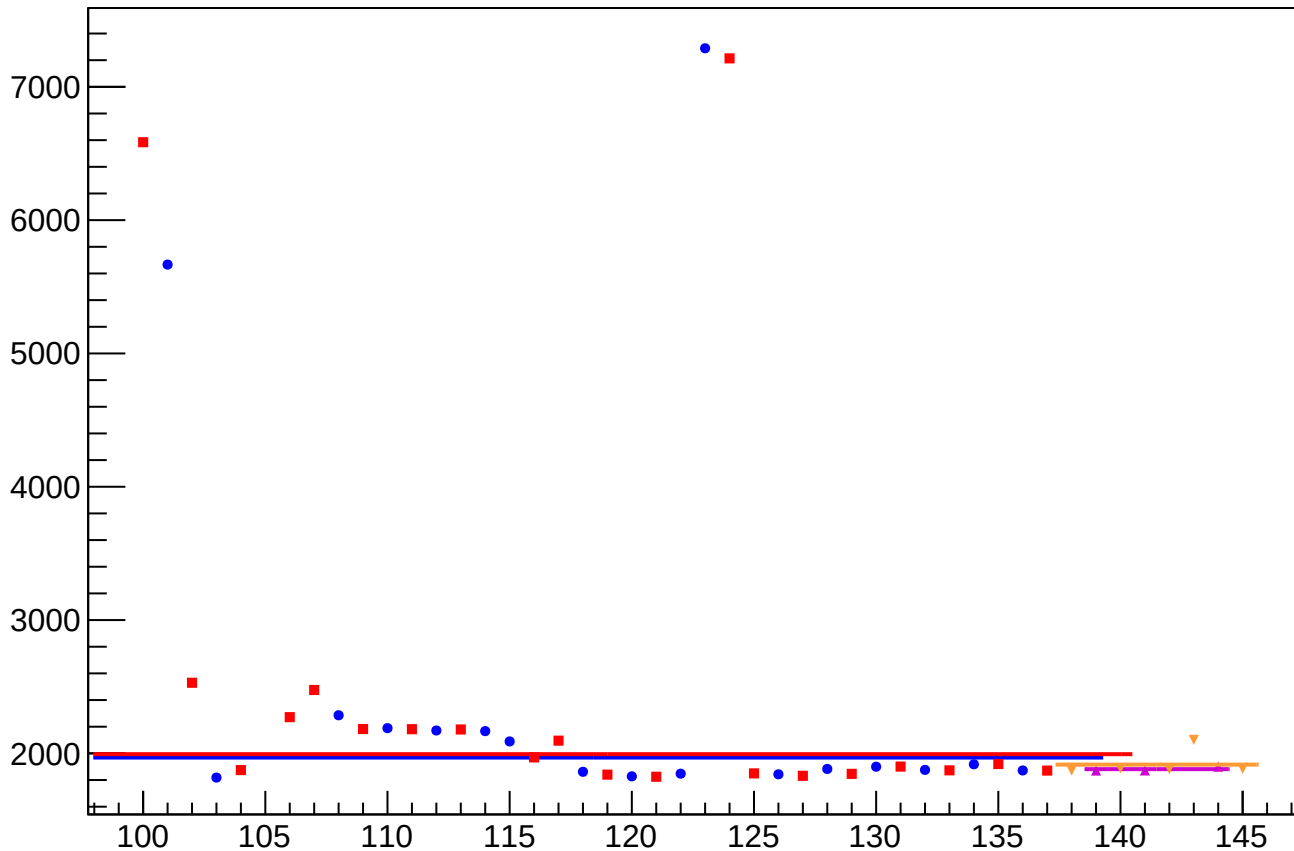
Right Out: 1218.753+/-762.243 χ^2/NDF : 18.3/19

Left In: 1810.368+/-1210.490 χ^2/NDF : 2.7/2

-113.334+/-626.740 χ^2/NDF : 18.6/21

1386.732+/-645.015 χ^2/NDF : 21.2/22

reg_asym_at1_dd_rms vs Slug



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

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

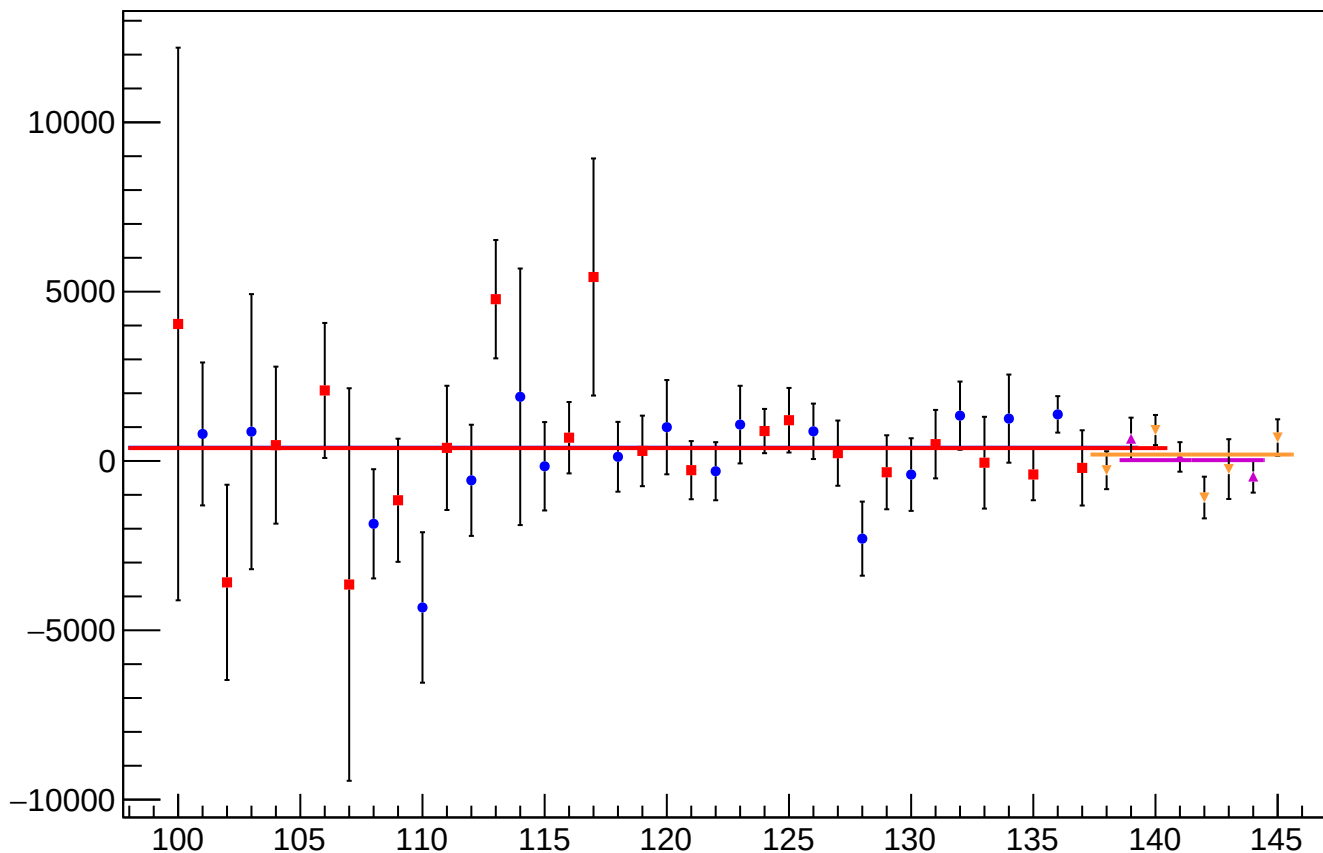
Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

Left In: 1881.543+/-0.856 χ^2/NDF : 257.5/2

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

1962.039+/-0.456 χ^2/NDF : 368968.1/22

asym_at1_dd_correction_mean vs Slug



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

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

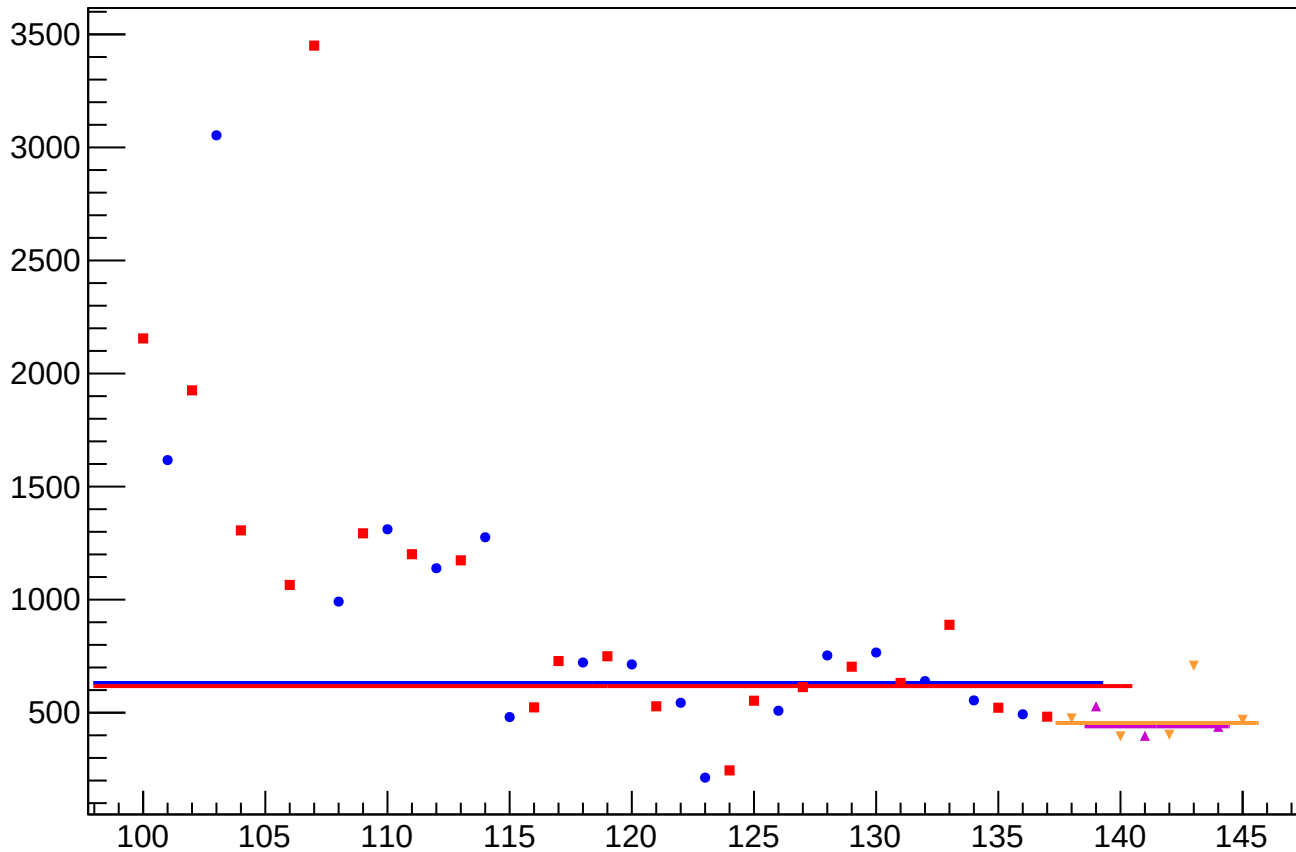
Right Out: 379.833+/-265.331 χ^2/NDF : 16.3/19

Left In: 24.619+/-285.283 χ^2/NDF : 2.1/2

283.862+/-184.697 χ^2/NDF : 29.0/21

215.081+/-194.289 χ^2/NDF : 19.3/22

asym_at1_dd_correction_rms vs Slug



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 454.548 $\pm$ 0.179 χ^2 /NDF:218536.6/4

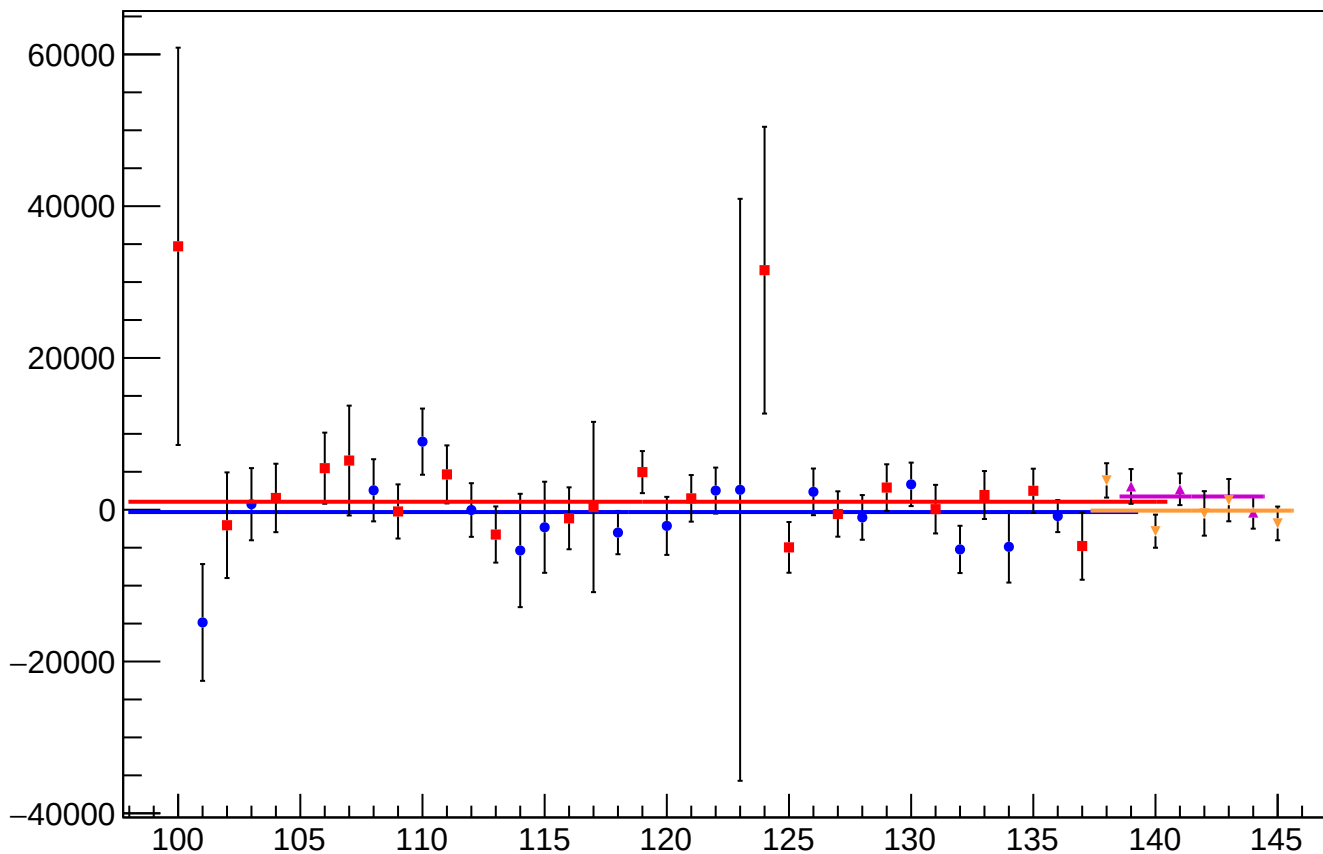
Right Out: 617.675 $\pm$ 0.188 χ^2 /NDF: 2804158.4/19

Left In: 439.664 $\pm$ 0.202 χ^2 /NDF:59237.4/2

537.239 $\pm$ 0.131 χ^2 /NDF: 2935874.4/21

535.111 $\pm$ 0.137 χ^2 /NDF: 3280925.9/22

asym_at1_dd_mean vs Slug



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

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

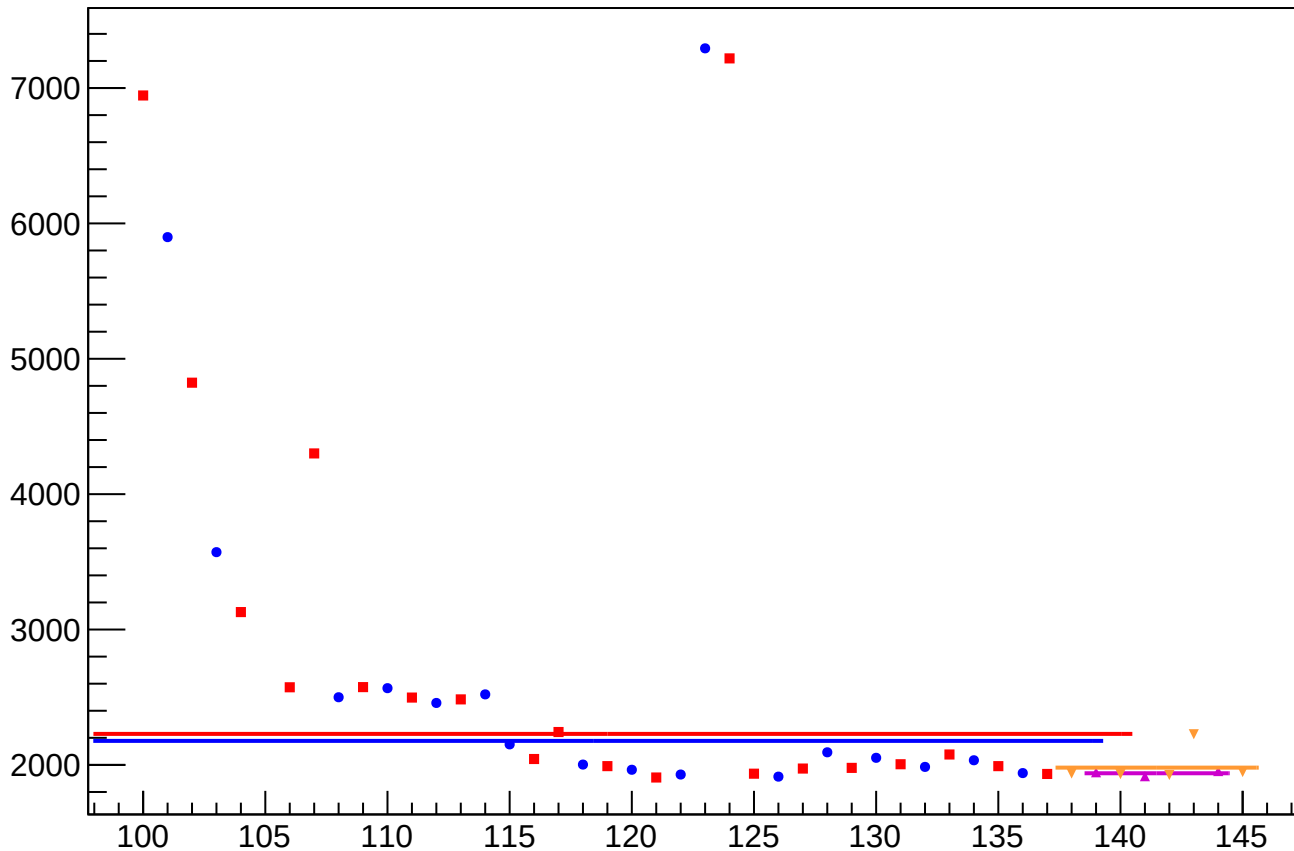
Right Out: 1052.718+/-864.863 χ^2/NDF : 16.6/19

Left In: 1745.660+/-1246.901 χ^2/NDF : 1.5/2

-230.741+/-679.053 χ^2/NDF : 22.6/21

1277.802+/-710.650 χ^2/NDF : 18.4/22

asym_at1_dd_rms vs Slug



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

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

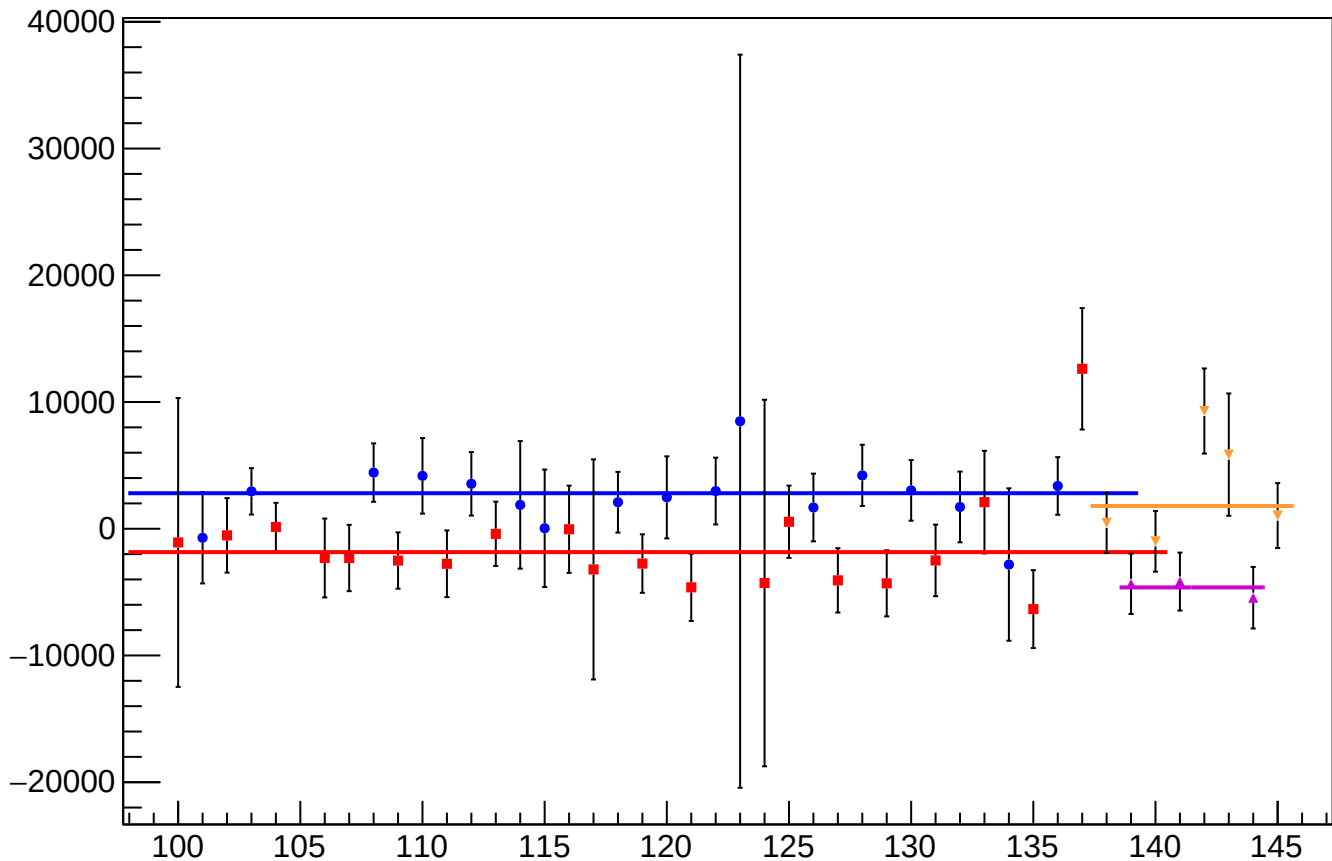
Right Out: 2229.096+/-0.612 χ^2/NDF : 895812.2/19

Left In: 1938.269+/-0.882 χ^2/NDF : 357.1/2

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

2134.629+/-0.503 χ^2/NDF : 969630.0/22

reg_asym_at2_avg_mean vs Slug



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

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

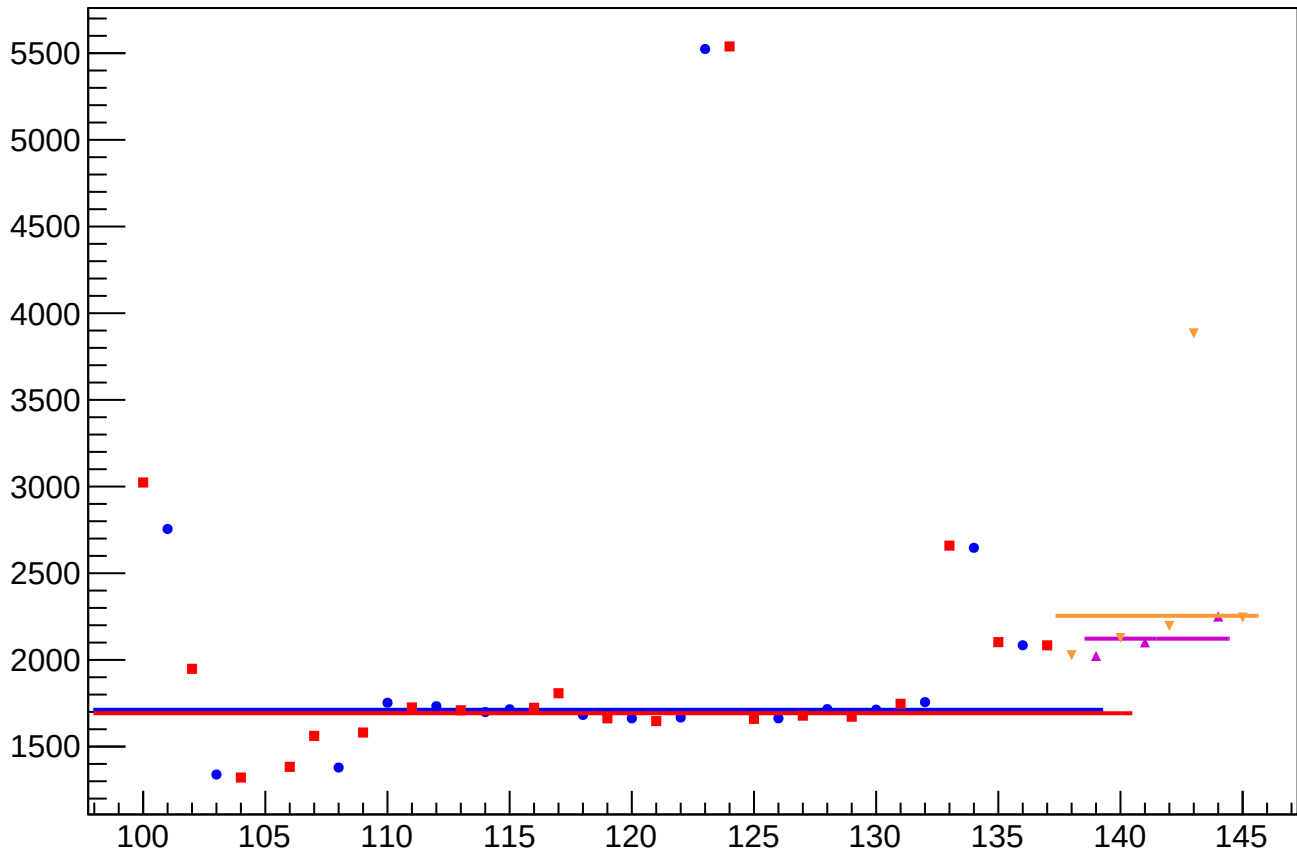
Right Out: -1844.945+/-653.448 χ^2/NDF : 18.1/19

Left In: -4628.411+/-1364.365 χ^2/NDF : 0.2/2

2574.241+/-596.601 χ^2/NDF : 11.9/21

-2364.295+/-589.342 χ^2/NDF : 21.6/22

reg_asym_at2_avg_rms vs Slug



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

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

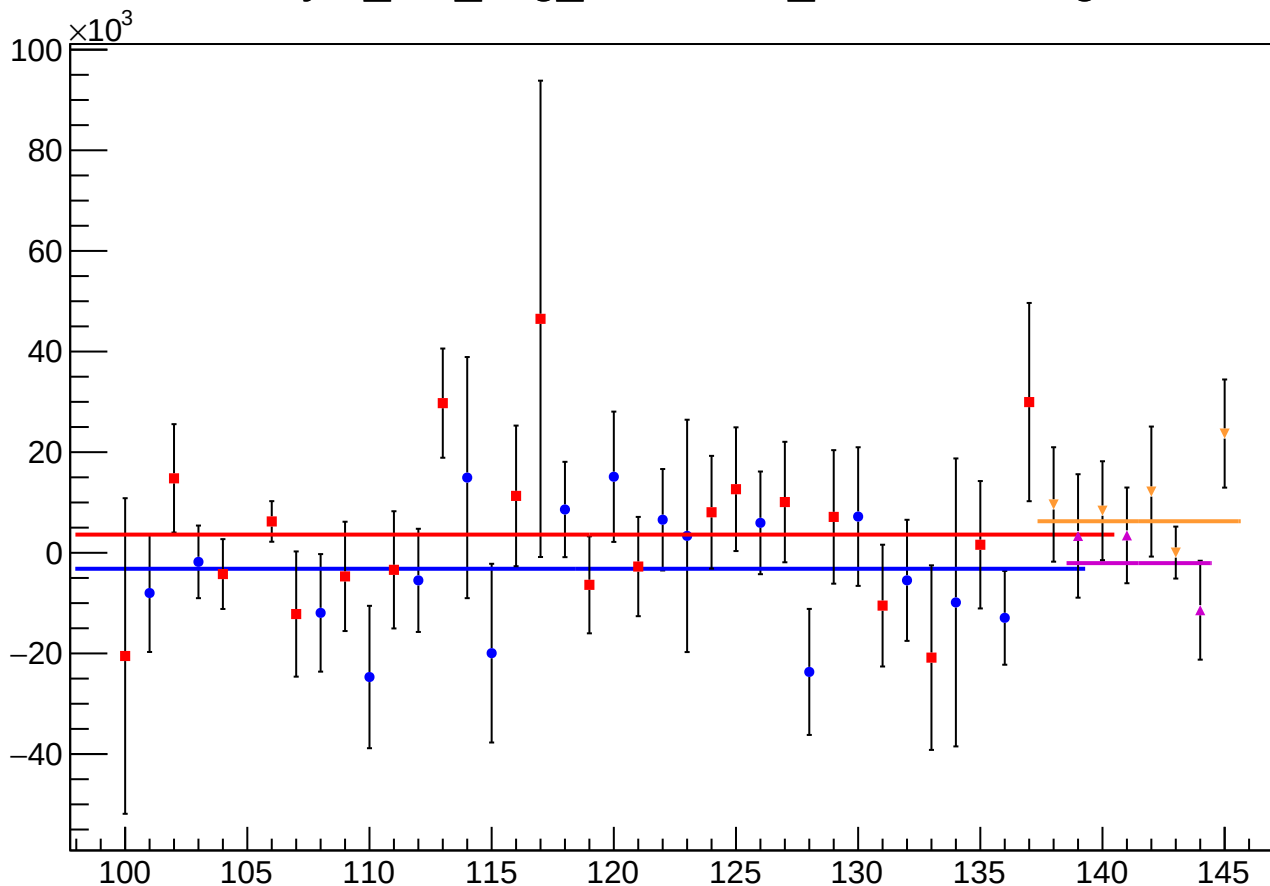
Right Out: 1692.404+/-0.462 χ^2/NDF : 455277.5/19

Left In: 2122.516+/-0.965 χ^2/NDF : 9185.0/2

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

1772.655+/-0.417 χ^2/NDF : 626138.5/22

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 ± 2851.982 χ^2/NDF : 14.4/16

Left Out: 6272.321 ± 3772.665 χ^2/NDF : 4.4/4

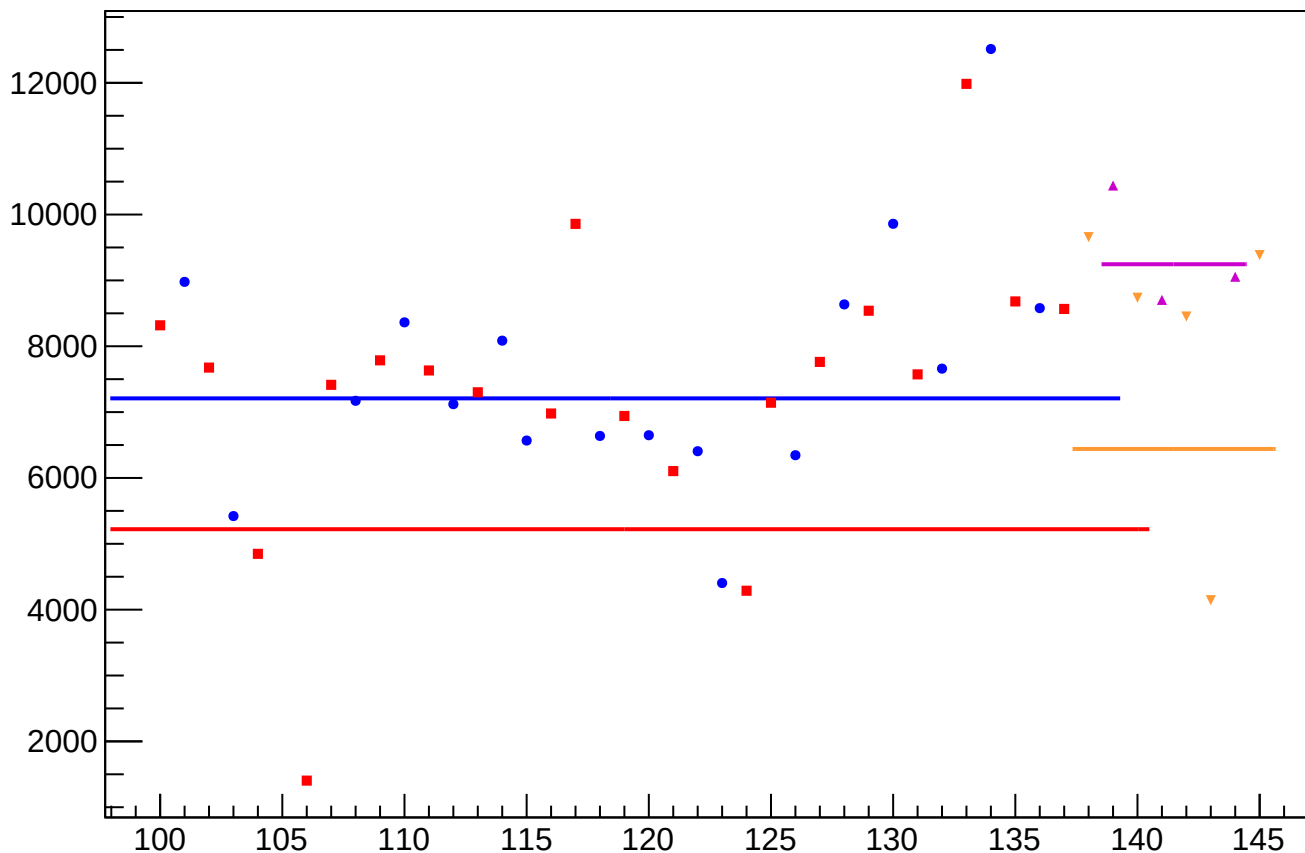
Right Out: 3618.416 ± 2263.938 χ^2/NDF : 20.3/19

Left In: -2051.681 ± 5970.996 χ^2/NDF : 1.4/2

261.683 ± 2275.061 χ^2/NDF : 22.8/21

2905.741 ± 2116.885 χ^2/NDF : 22.6/22

asym_at2_avg_correction_rms vs Slug



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

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

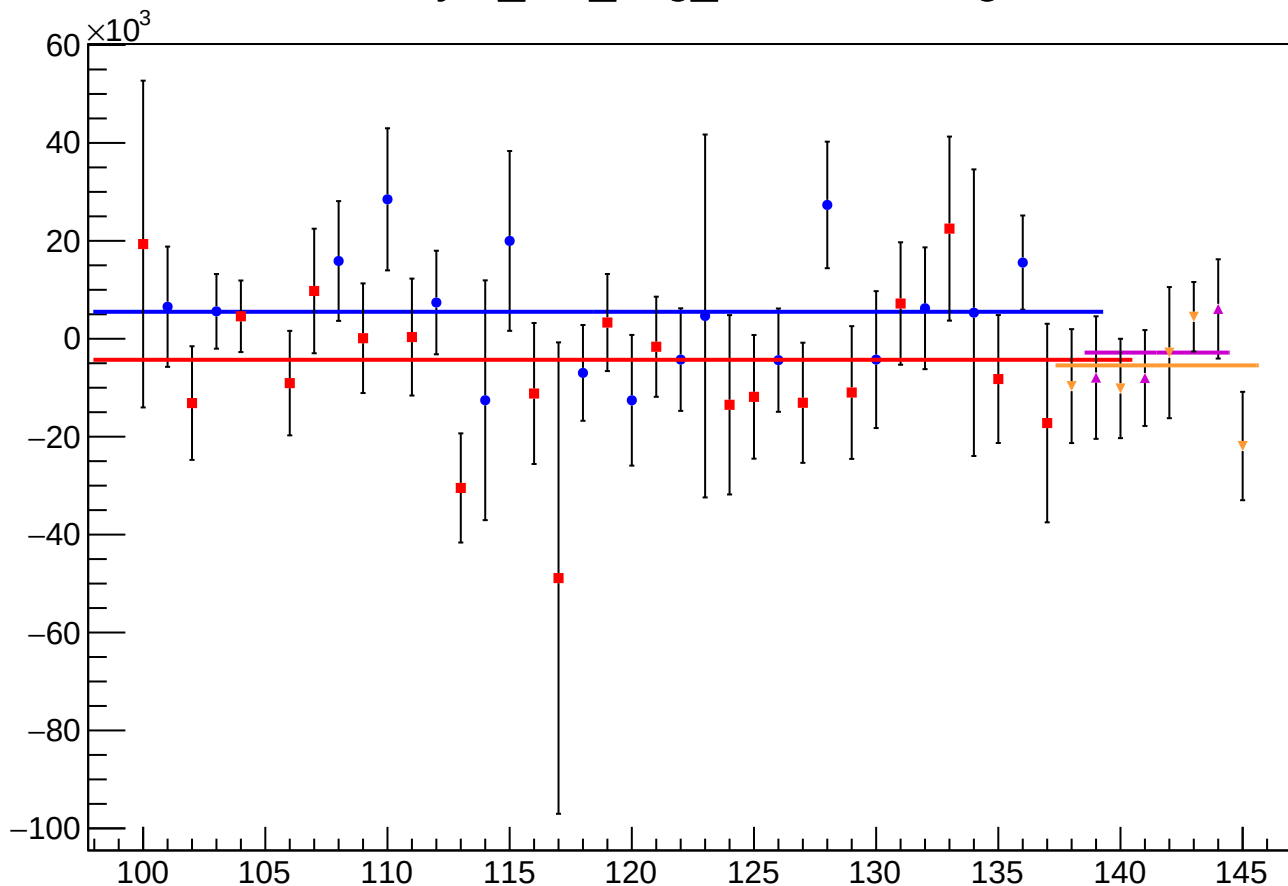
Right Out: 5221.816+/-1.601 χ^2/NDF : 3216100.5/19

Left In: 9245.412+/-4.222 χ^2/NDF : 26199.0/2

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

5727.542+/-1.497 χ^2/NDF : 4036317.8/22

asym_at2_avg_mean vs Slug



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

Left Out: -5437.535 $\pm$ 4442.285 χ^2 /NDF: 4.6/4

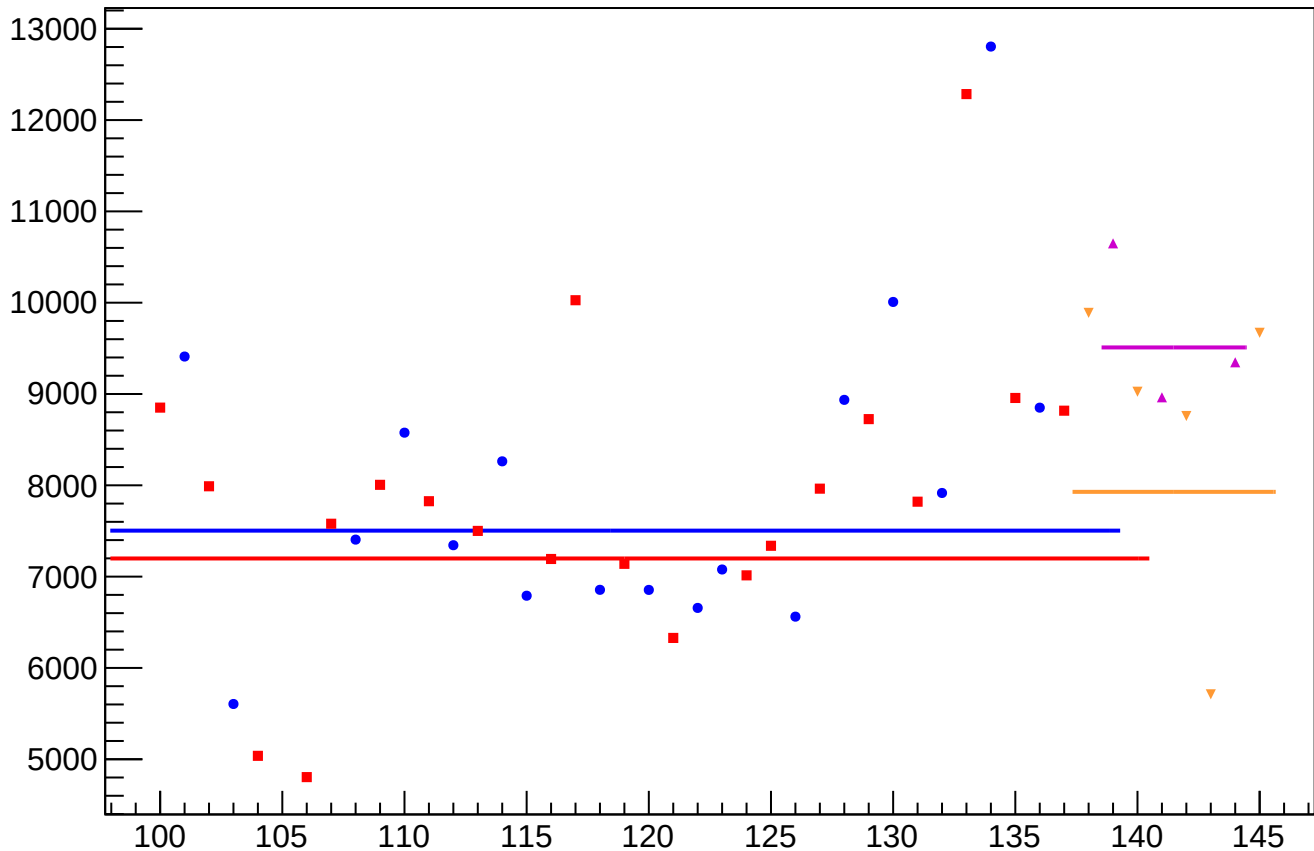
Right Out: -4295.824 $\pm$ 2785.538 χ^2 /NDF: 16.3/19

Left In: -2825.112 $\pm$ 6137.584 χ^2 /NDF: 1.2/2

2126.138 $\pm$ 2469.606 χ^2 /NDF: 22.8/21

-4044.629 $\pm$ 2536.525 χ^2 /NDF: 17.6/22

asym_at2_avg_rms vs Slug



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

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

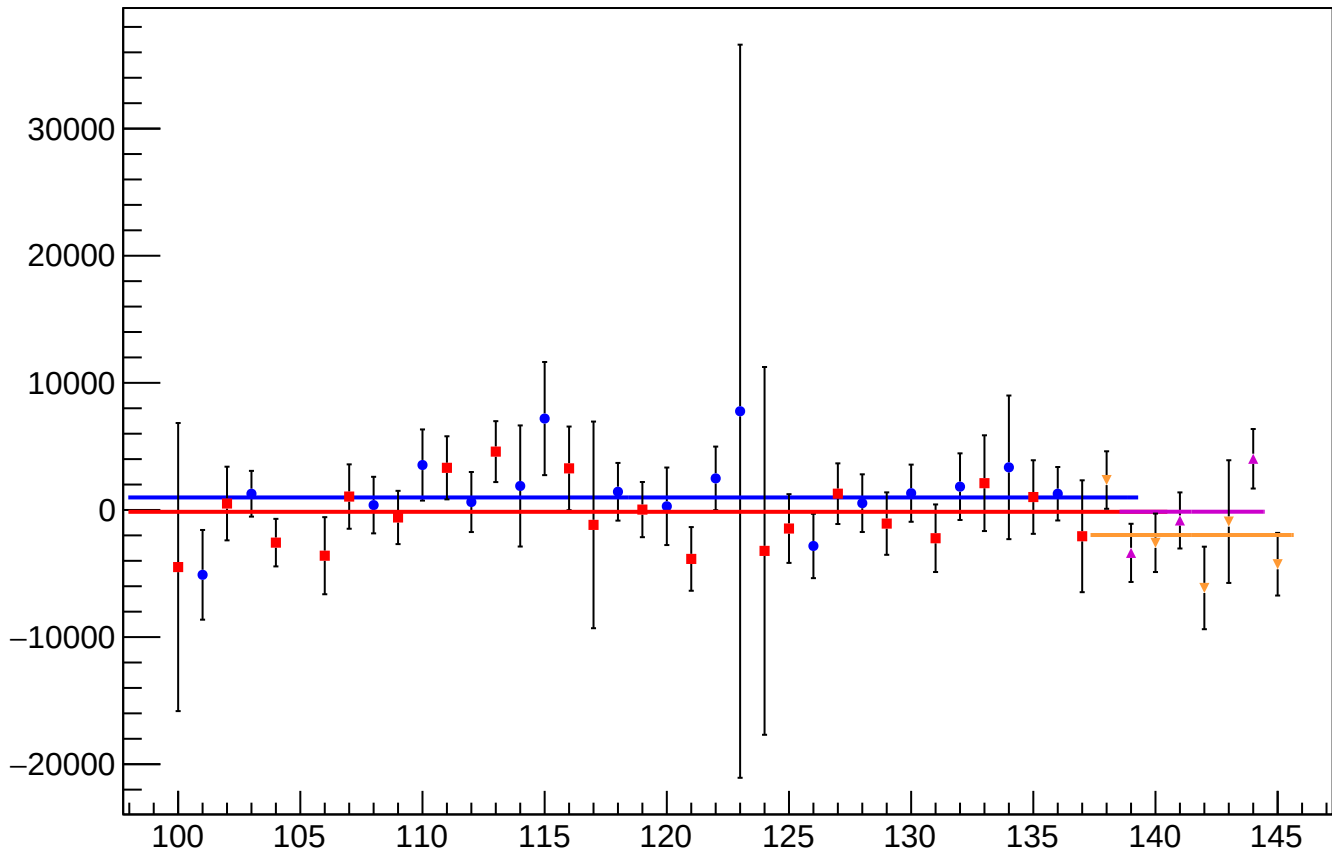
Right Out: 7198.728+/-1.969 χ^2/NDF : 564629.1/19

Left In: 9509.981+/-4.340 χ^2/NDF : 23332.6/2

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

7593.403+/-1.793 χ^2/NDF : 823146.3/22

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 $\pm$ 644.630 χ^2 /NDF: 9.1/16

Left Out: -1969.443 $\pm$ 1206.348 χ^2 /NDF: 6.3/4

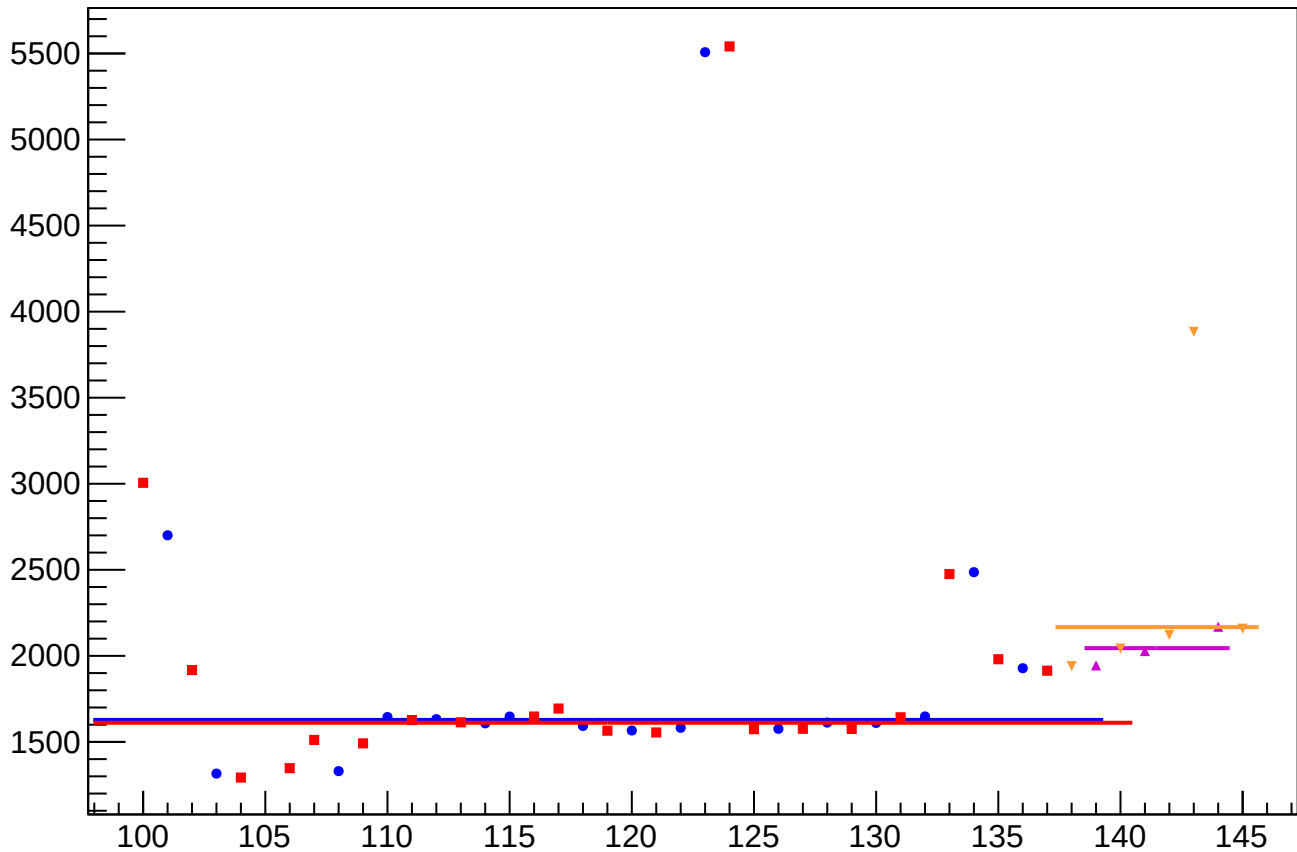
Right Out: -144.683 $\pm$ 621.728 χ^2 /NDF: 14.7/19

Left In: -137.235 $\pm$ 1314.520 χ^2 /NDF: 5.3/2

329.110 $\pm$ 568.547 χ^2 /NDF: 20.0/21

-143.321 $\pm$ 562.035 χ^2 /NDF: 20.0/22

reg_asym_at2_dd_rms vs Slug



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

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

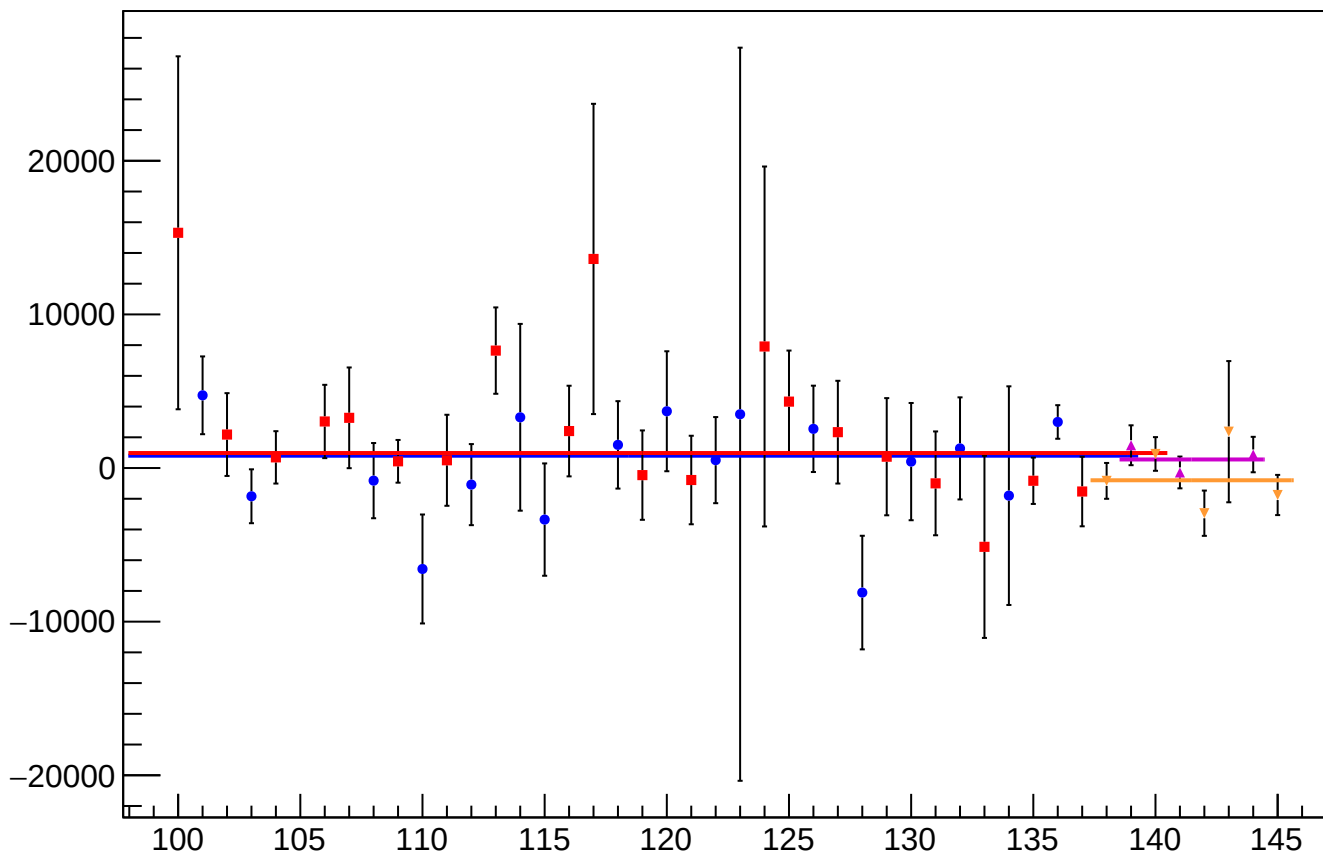
Right Out: 1611.433+/-0.440 χ^2/NDF : 434167.6/19

Left In: 2044.955+/-0.930 χ^2/NDF : 9604.0/2

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

1690.684+/-0.397 χ^2/NDF : 621535.1/22

asym_at2_dd_correction_mean vs Slug



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

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

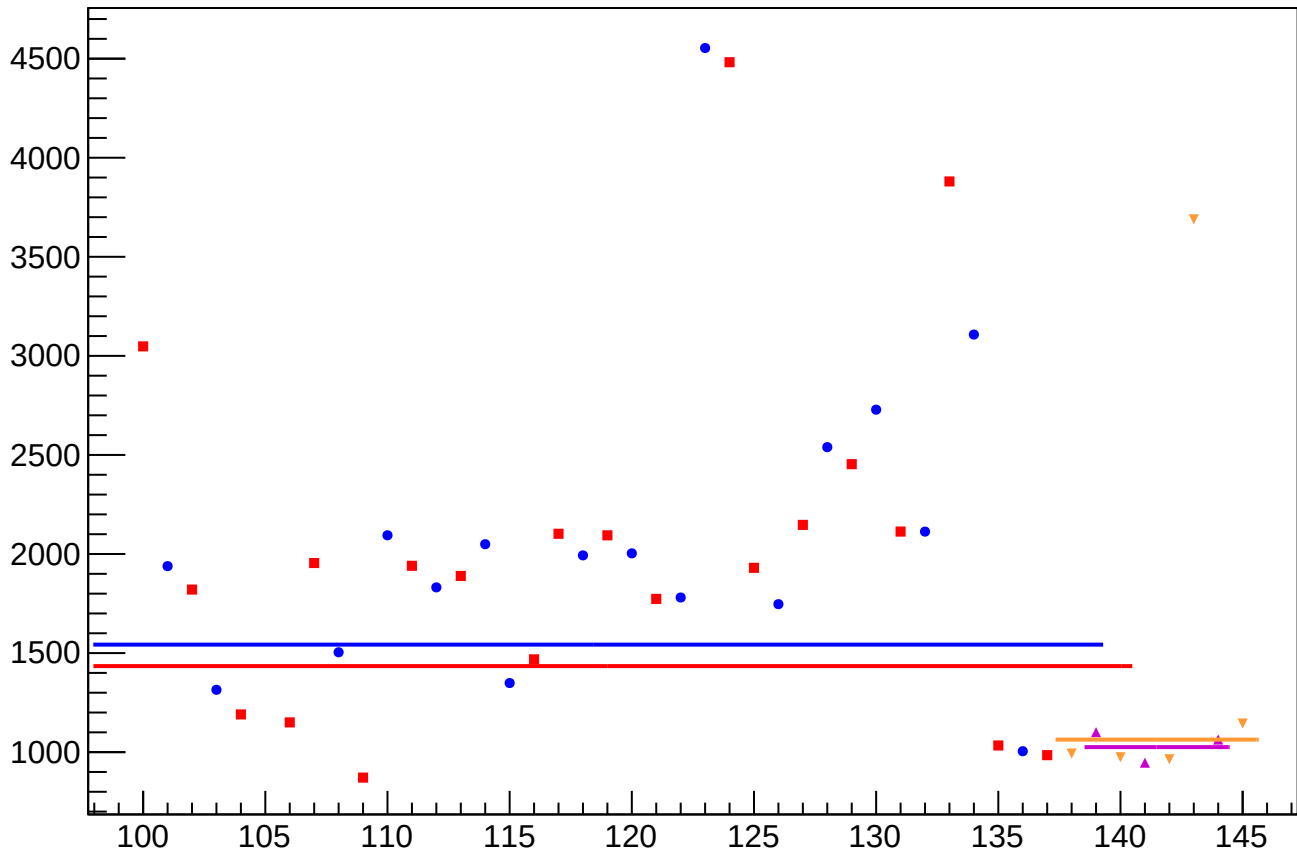
Right Out: 976.725 +/- 588.724 $\chi^2/\text{NDF}: 16.8/19$

Left In: 557.423 +/- 662.326 $\chi^2/\text{NDF}: 1.3/2$

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

791.657 +/- 440.021 $\chi^2/\text{NDF}: 18.3/22$

asym_at2_dd_correction_rms vs Slug



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

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

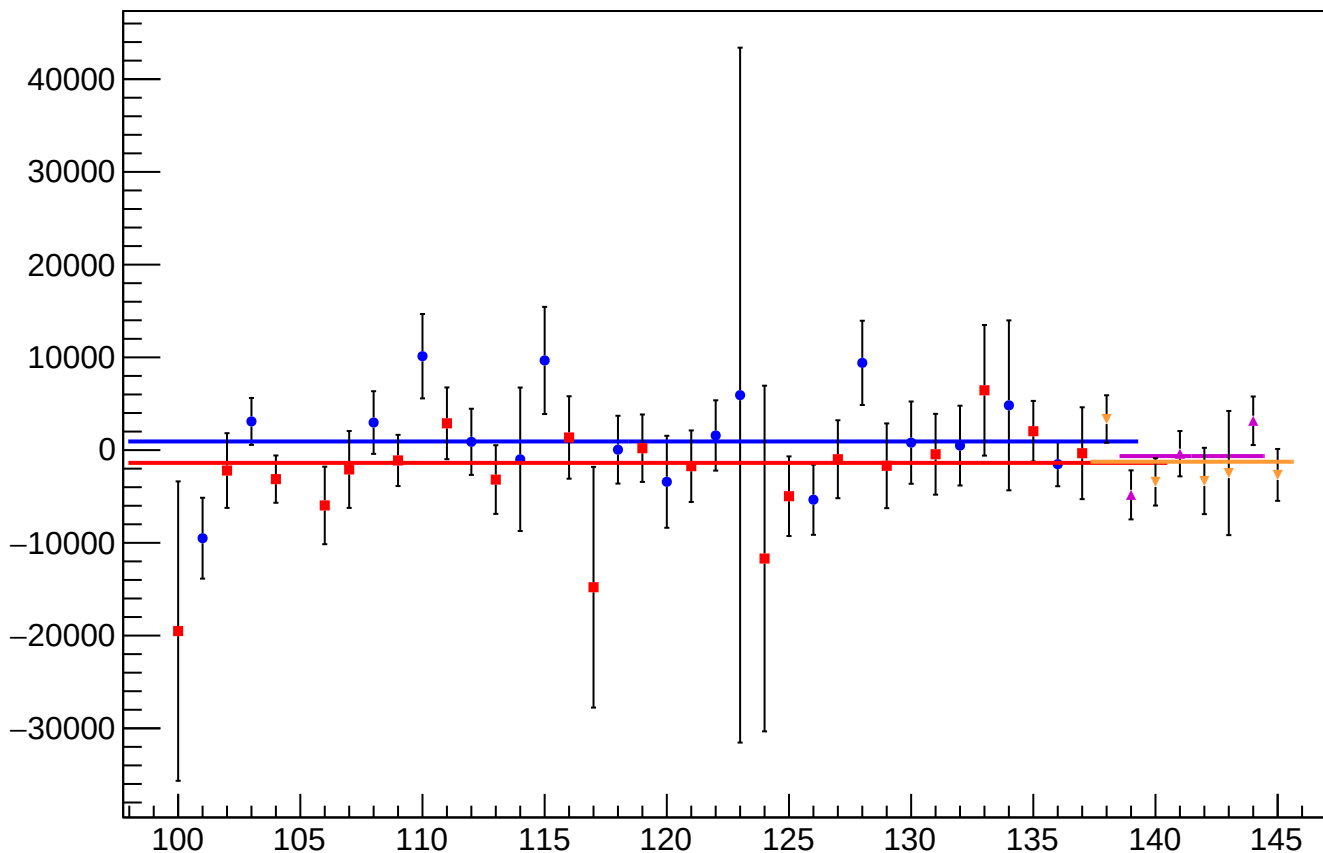
1295.925+/-0.311 χ^2/NDF : 2570831.4/21

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

1253.838+/-0.311 χ^2/NDF : 2278800.3/22

Left In: 1025.444+/-0.468 χ^2/NDF : 20486.1/2

asym_at2_dd_mean vs Slug



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

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

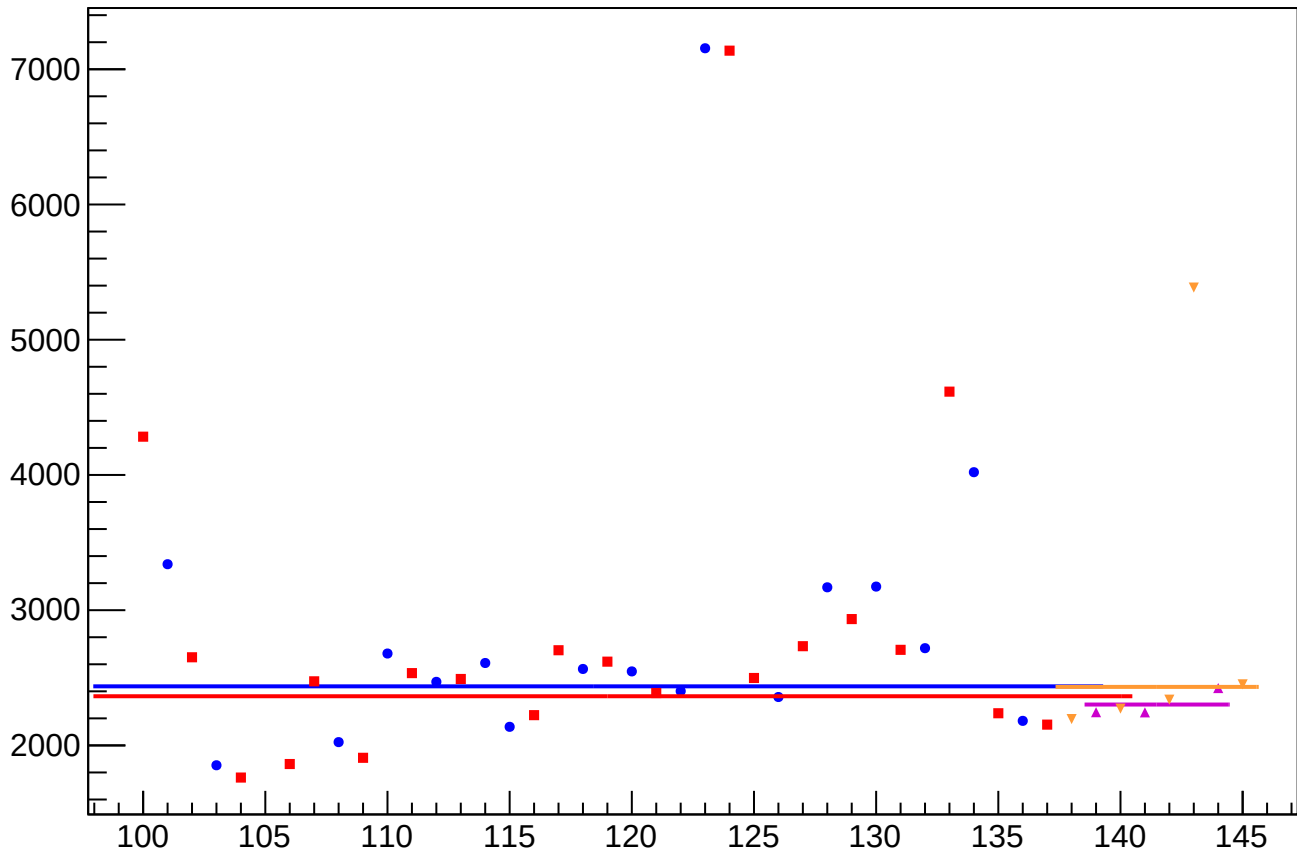
Right Out: -1375.966 ± 923.072 χ^2/NDF : 9.6/19

Left In: -644.148 ± 1479.708 χ^2/NDF : 4.6/2

204.252 ± 790.269 χ^2/NDF : 27.9/21

-1170.957 ± 783.178 χ^2/NDF : 14.4/22

asym_at2_dd_rms vs Slug



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

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

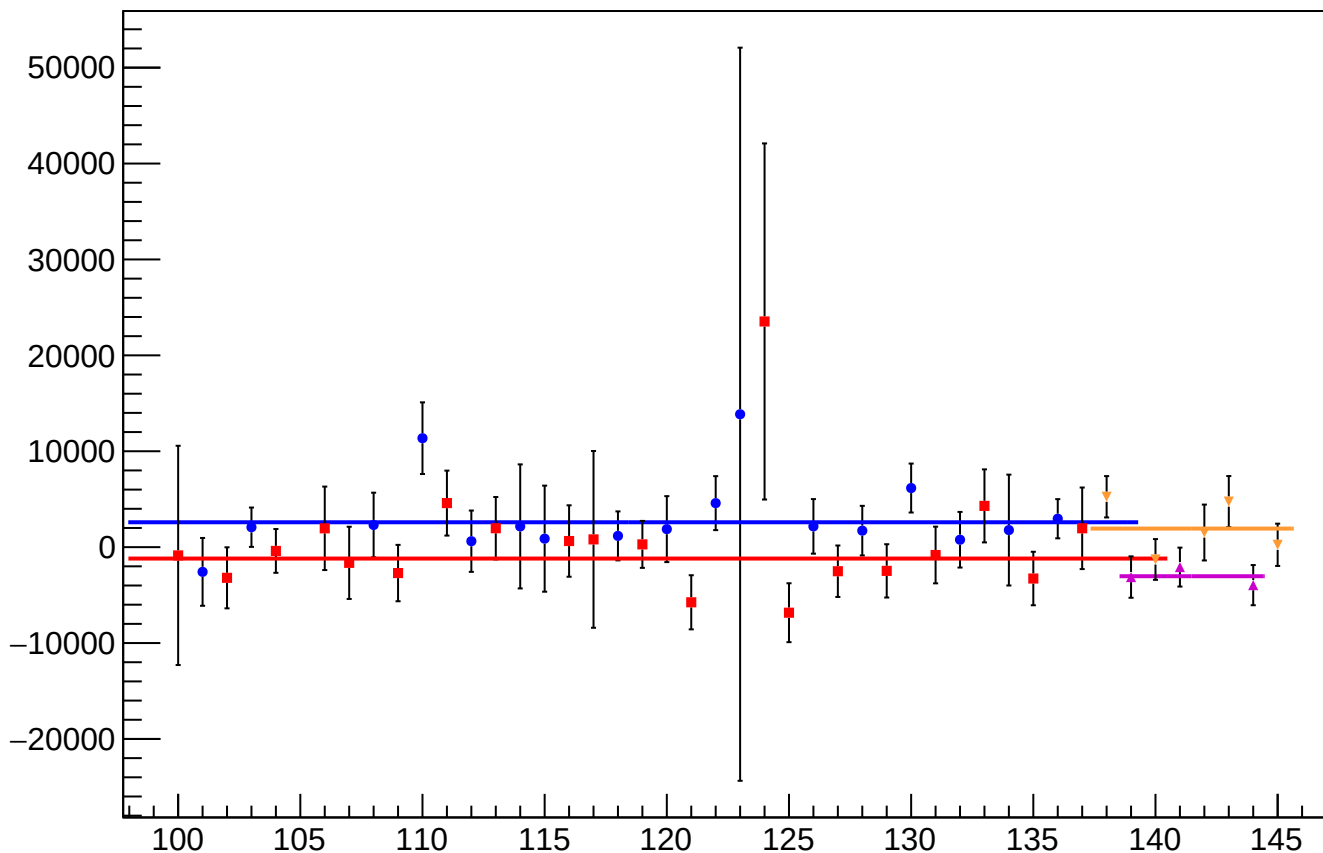
Right Out: 2363.609+/-0.653 χ^2/NDF : 657228.5/19

Left In: 2302.282+/-1.046 χ^2/NDF : 6370.7/2

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

2346.429+/-0.554 χ^2/NDF : 666072.3/22

reg_asym_atl1r2_avg_mean vs Slug



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

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

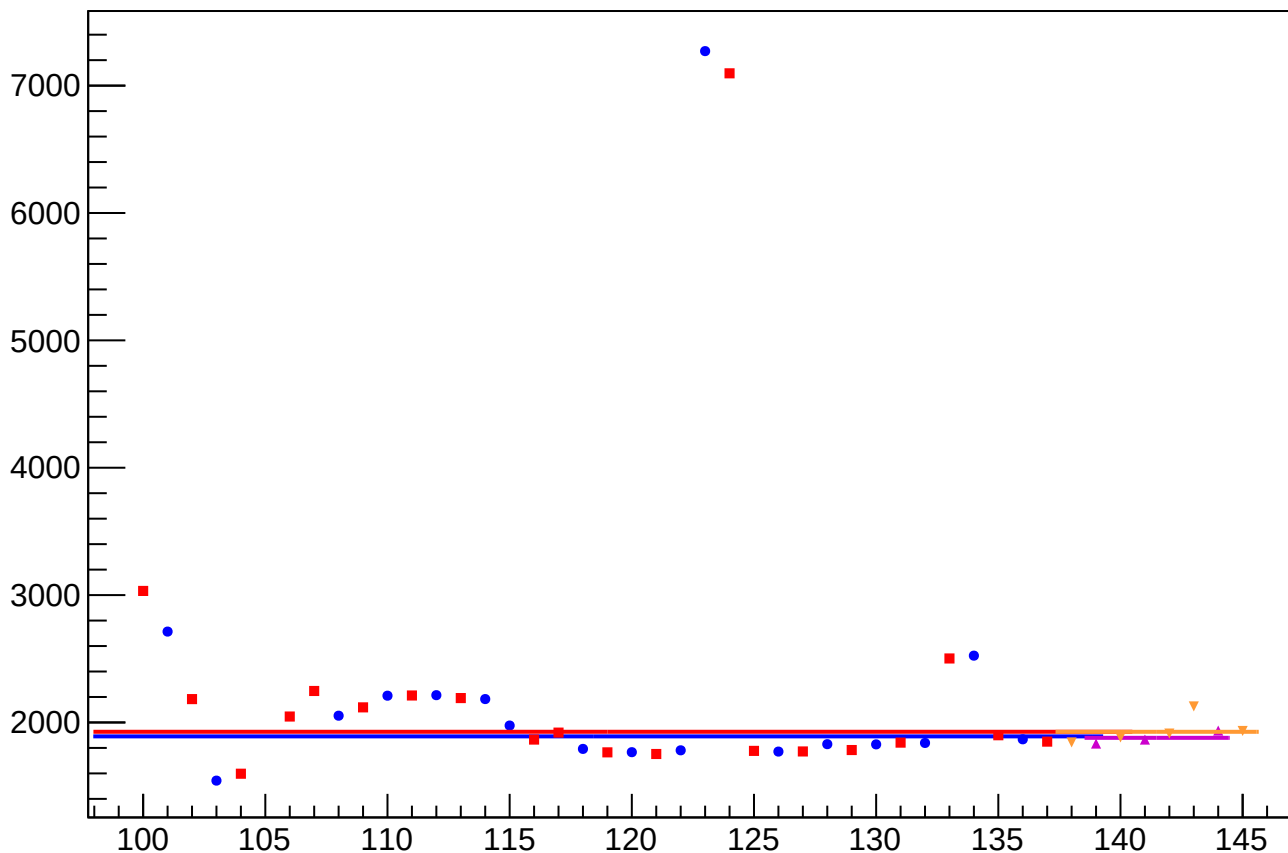
Right Out: -1189.680+/-737.247 χ^2/NDF : 17.3/19

Left In: -3031.433+/-1208.070 χ^2/NDF : 0.4/2

2376.230+/-607.128 χ^2/NDF : 18.3/21

-1689.466+/-629.316 χ^2/NDF : 19.4/22

reg_asym_atl1r2_avg_rms vs Slug



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

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

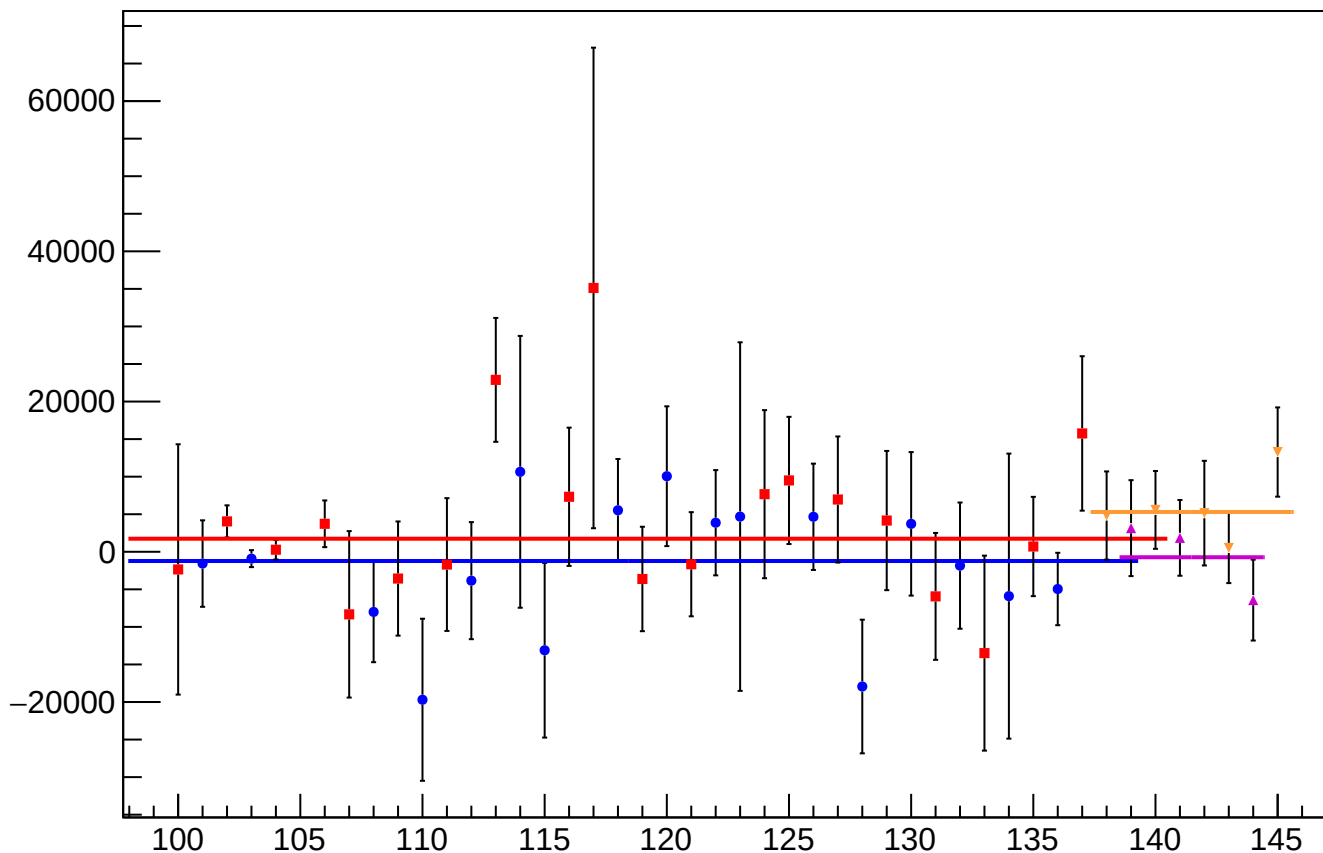
Right Out: 1926.906+/-0.520 χ^2/NDF : 362255.6/19

Left In: 1879.291+/-0.854 χ^2/NDF : 2431.3/2

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

1914.015+/-0.444 χ^2/NDF : 366952.6/22

asym_atl1r2_avg_correction_mean vs Slug



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

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

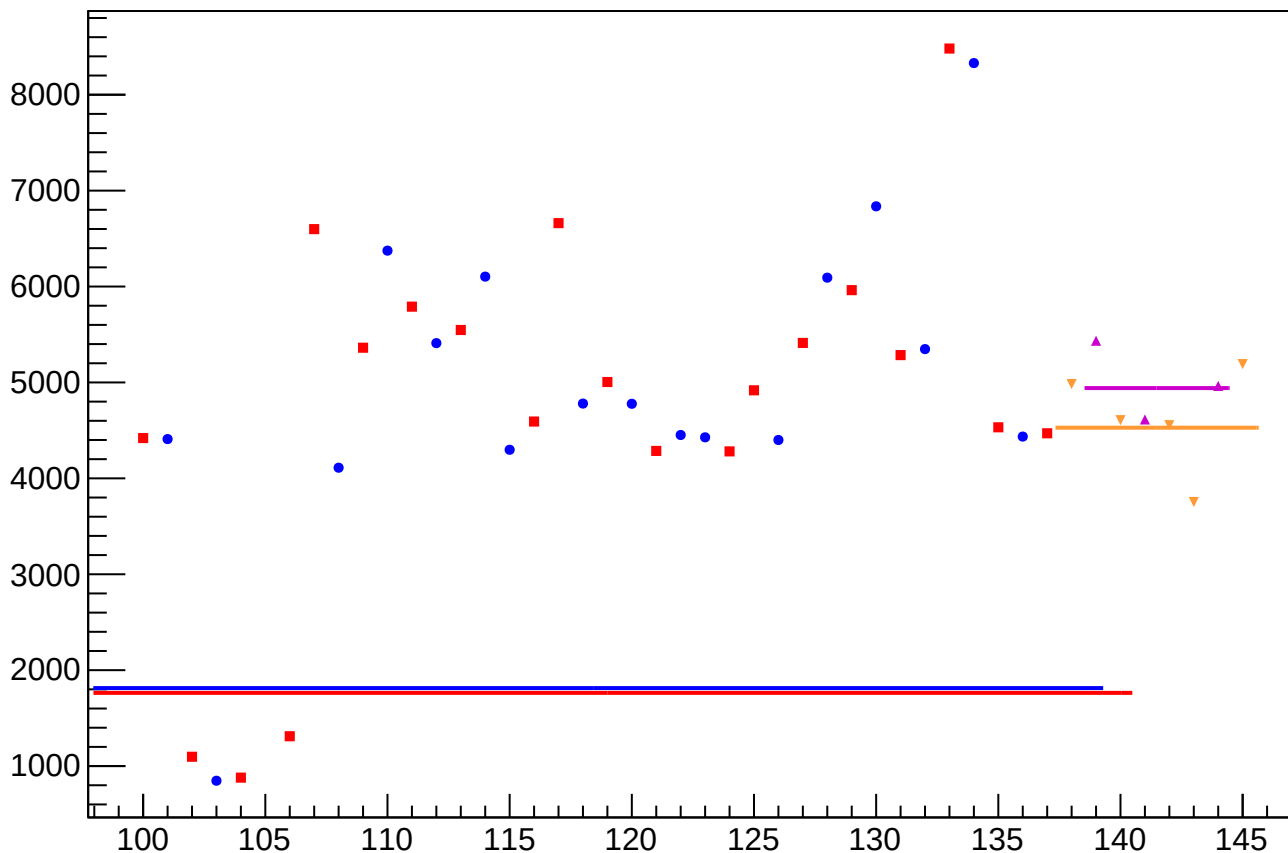
Right Out: 1740.671+/-941.173 χ^2/NDF : 18.9/19

Left In: -726.951+/-3189.667 χ^2/NDF : 1.7/2

-345.856+/-915.748 χ^2/NDF : 22.6/21

1543.033+/-902.696 χ^2/NDF : 21.2/22

asym_atl1r2_avg_correction_rms vs Slug



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

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

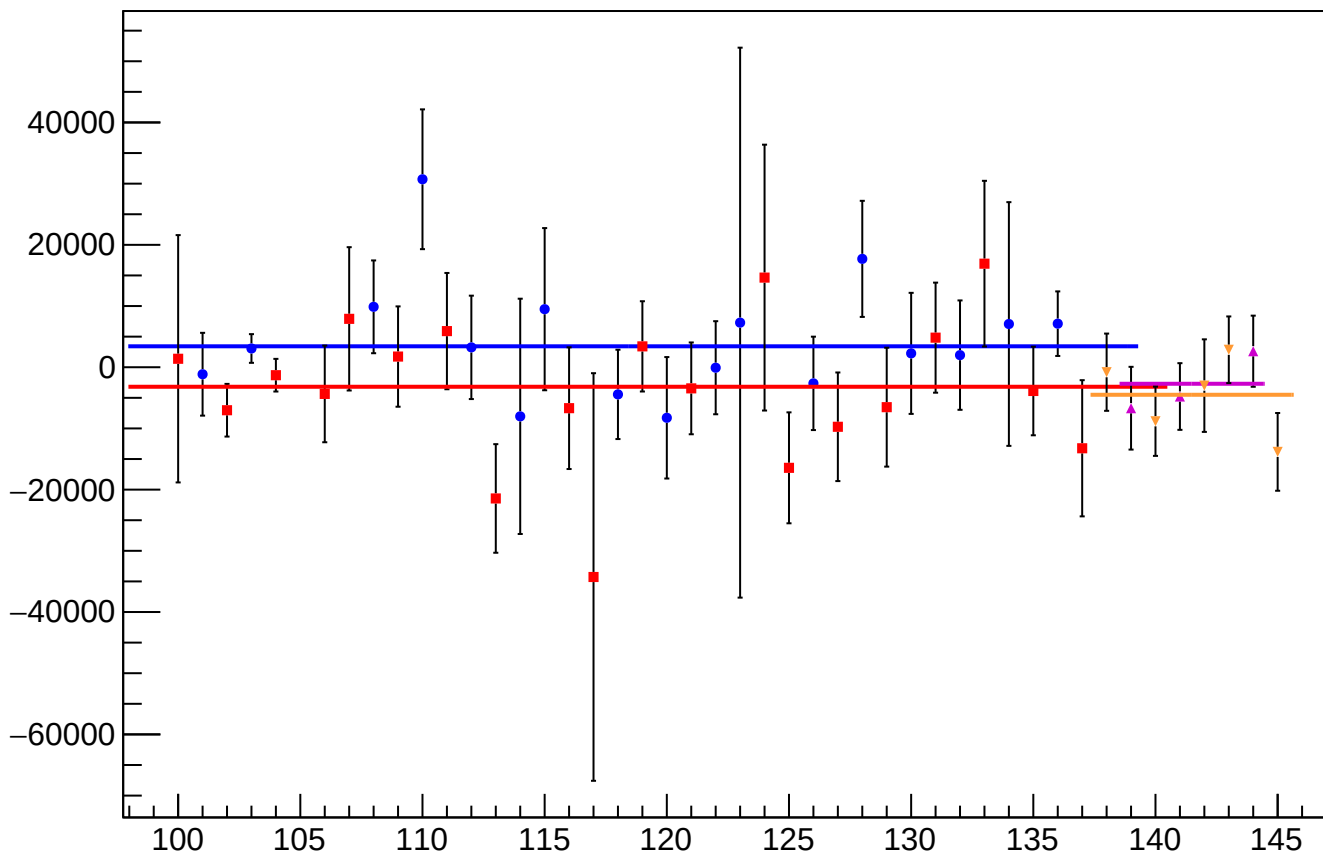
Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

Left In: 4941.286+/-2.255 χ^2/NDF : 20392.9/2

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

2017.905+/-0.638 χ^2/NDF : 8206660.6/22

asym_atl1r2_avg_mean vs Slug



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

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

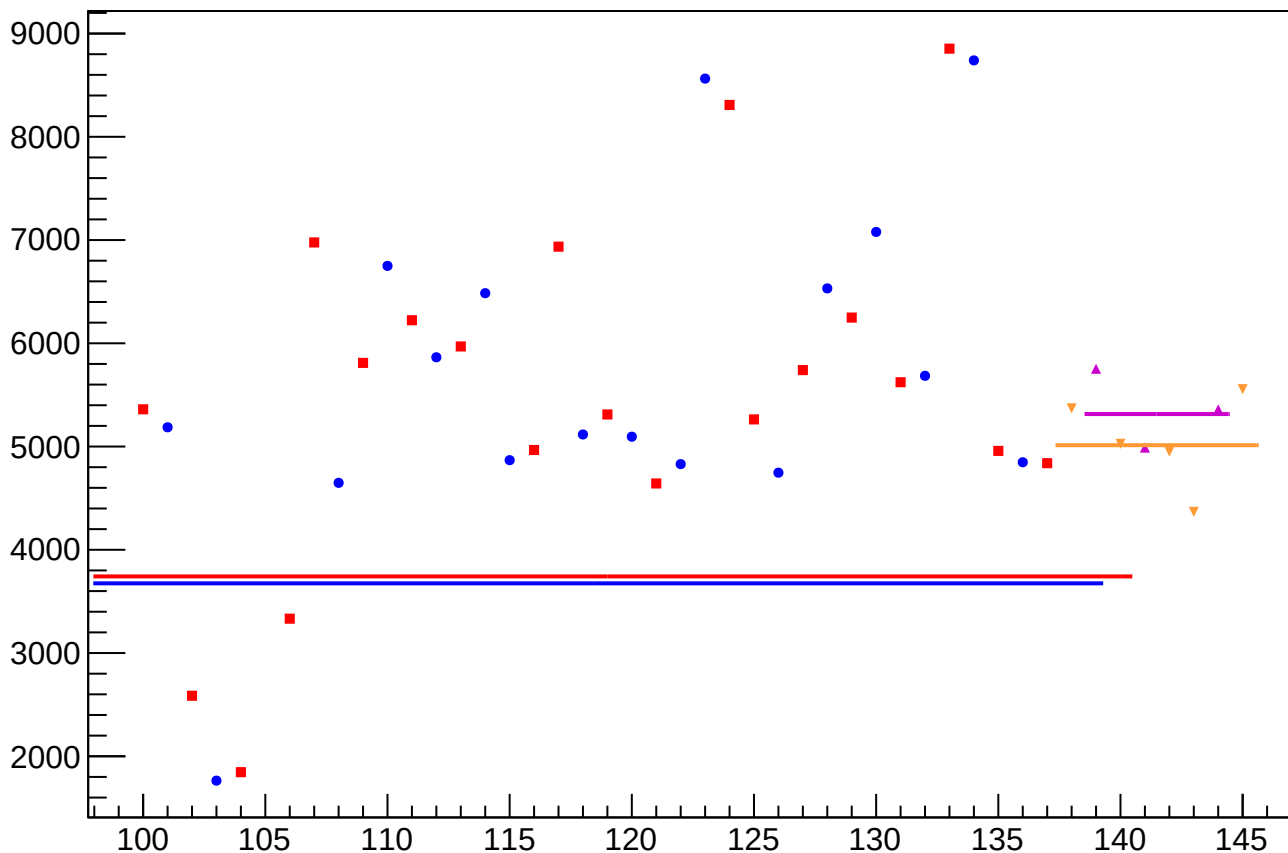
Right Out: -3190.143+/-1604.066 χ^2/NDF : 16.9/19

Left In: -2701.403+/-3426.490 χ^2/NDF : 1.3/2

1404.141+/-1387.116 χ^2/NDF : 24.8/21

-3102.288+/-1452.758 χ^2/NDF : 18.2/22

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003 ± 1.136 χ^2/NDF : 2775085.7/16

Left Out: 5013.028 ± 1.944 χ^2/NDF : 49227.8/4

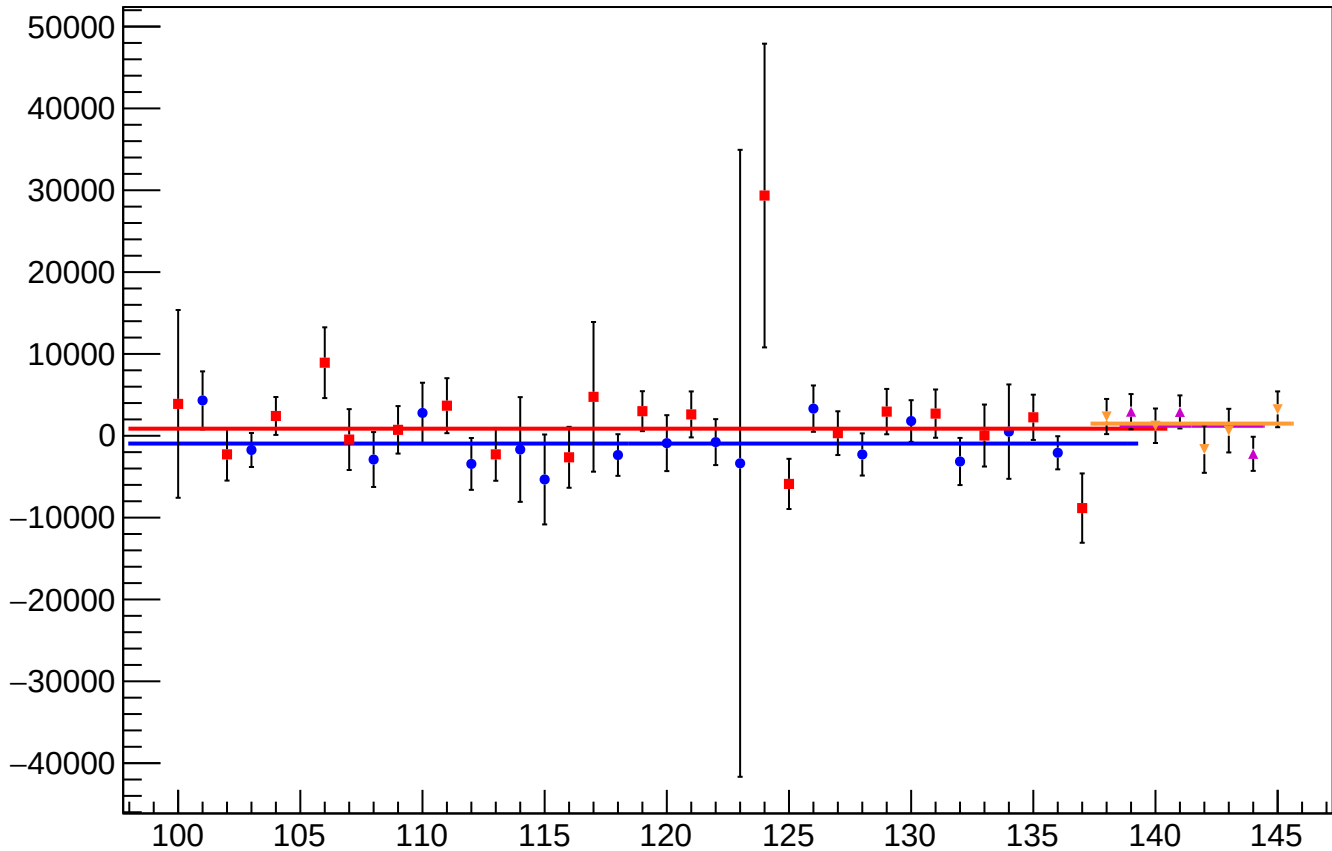
Right Out: 3742.124 ± 1.127 χ^2/NDF : 2712365.3/19

Left In: 5314.687 ± 2.423 χ^2/NDF : 15647.3/2

4015.714 ± 0.981 χ^2/NDF : 3177514.9/21

4021.735 ± 1.022 χ^2/NDF : 3074367.8/22

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 1488.933 ± 1048.072 χ^2/NDF : 2.1/4

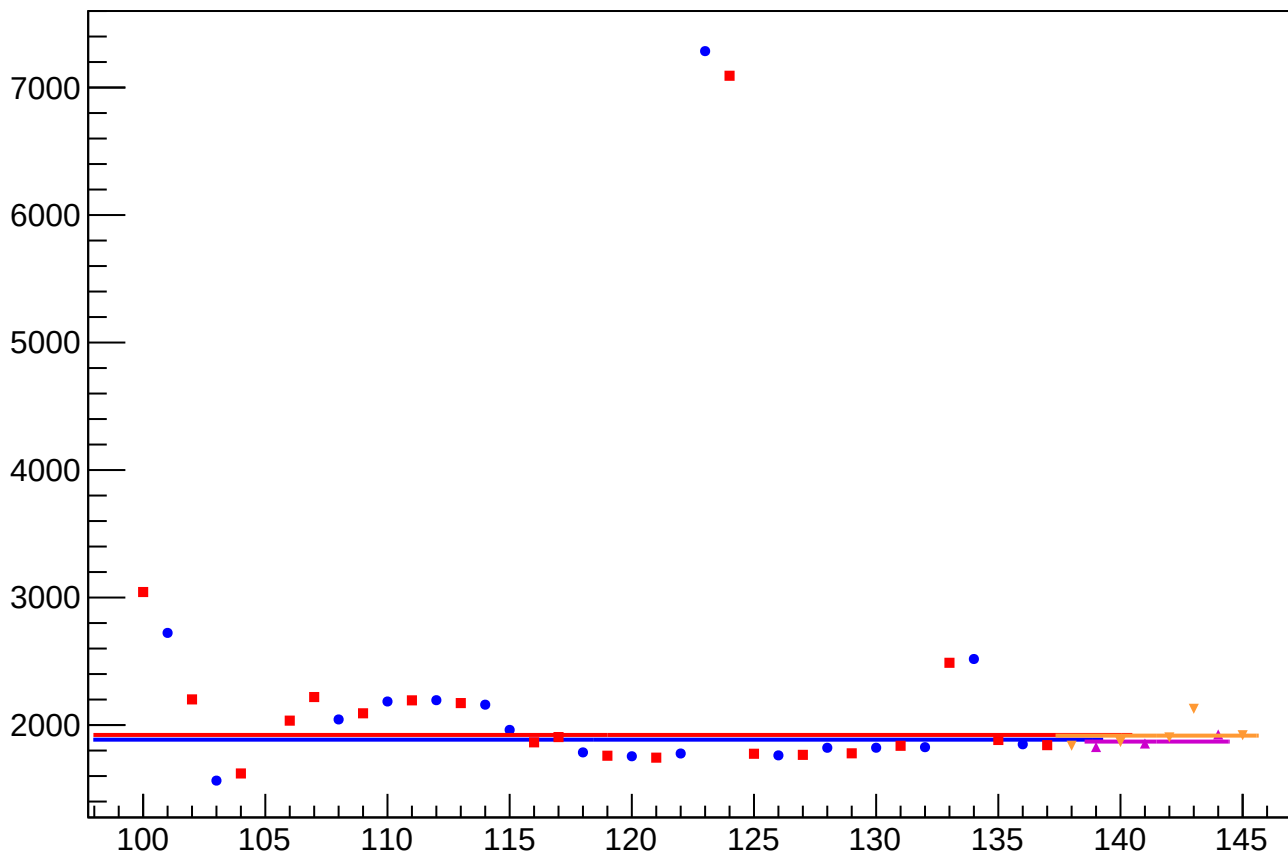
Right Out: 868.810 ± 735.140 χ^2/NDF : 22.7/19

Left In: 1221.557 ± 1202.249 χ^2/NDF : 4.1/2

-138.571 ± 604.870 χ^2/NDF : 15.6/21

964.808 ± 627.181 χ^2/NDF : 26.8/22

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360 ± 0.524 χ^2/NDF : 280429.0/16

Left Out: 1917.065 ± 0.741 χ^2/NDF : 16396.8/4

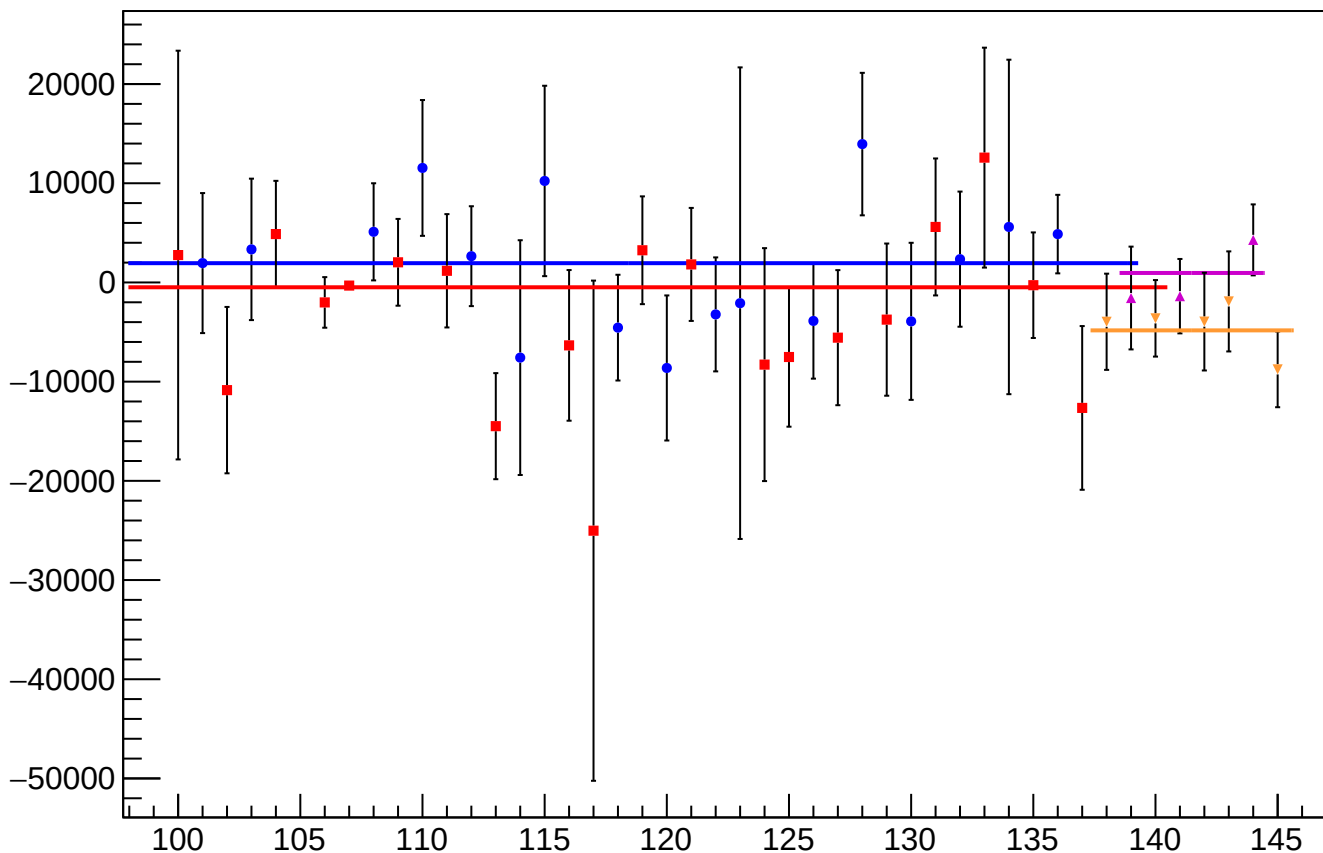
Right Out: 1922.430 ± 0.519 χ^2/NDF : 351518.8/19

Left In: 1870.264 ± 0.850 χ^2/NDF : 2338.4/2

1895.920 ± 0.428 χ^2/NDF : 298046.5/21

1908.265 ± 0.443 χ^2/NDF : 356600.3/22

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178 $\pm$ 1581.060 χ^2/NDF : 13.2/16

Left Out: -4831.468 $\pm$ 1965.398 χ^2/NDF : 1.6/4

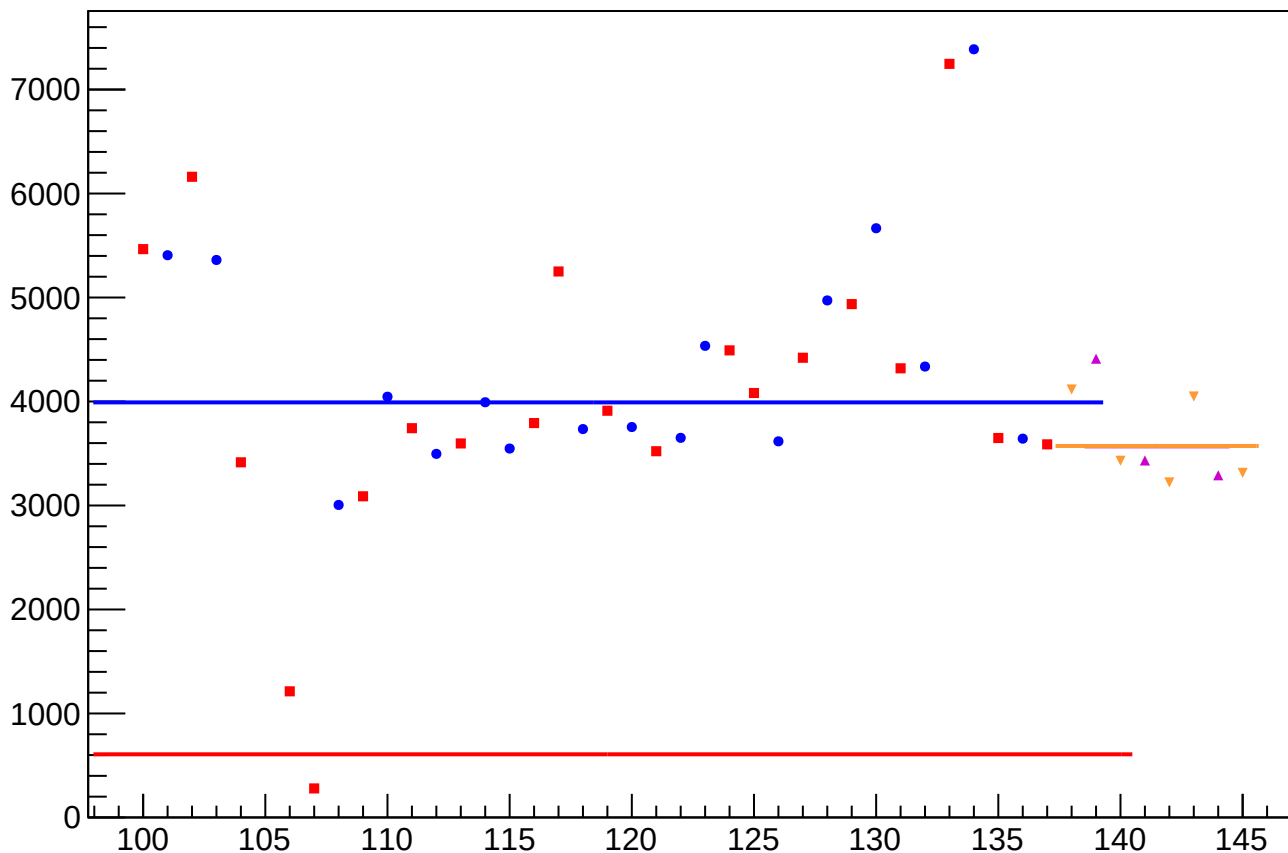
Right Out: -486.774 $\pm$ 453.611 χ^2/NDF : 19.0/19

Left In: 956.596 $\pm$ 2315.936 χ^2/NDF : 1.5/2

-718.483 $\pm$ 1231.923 χ^2/NDF : 22.0/21

-433.448 $\pm$ 445.153 χ^2/NDF : 20.9/22

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3572.497+/-1.390 χ^2/NDF : 64906.2/4

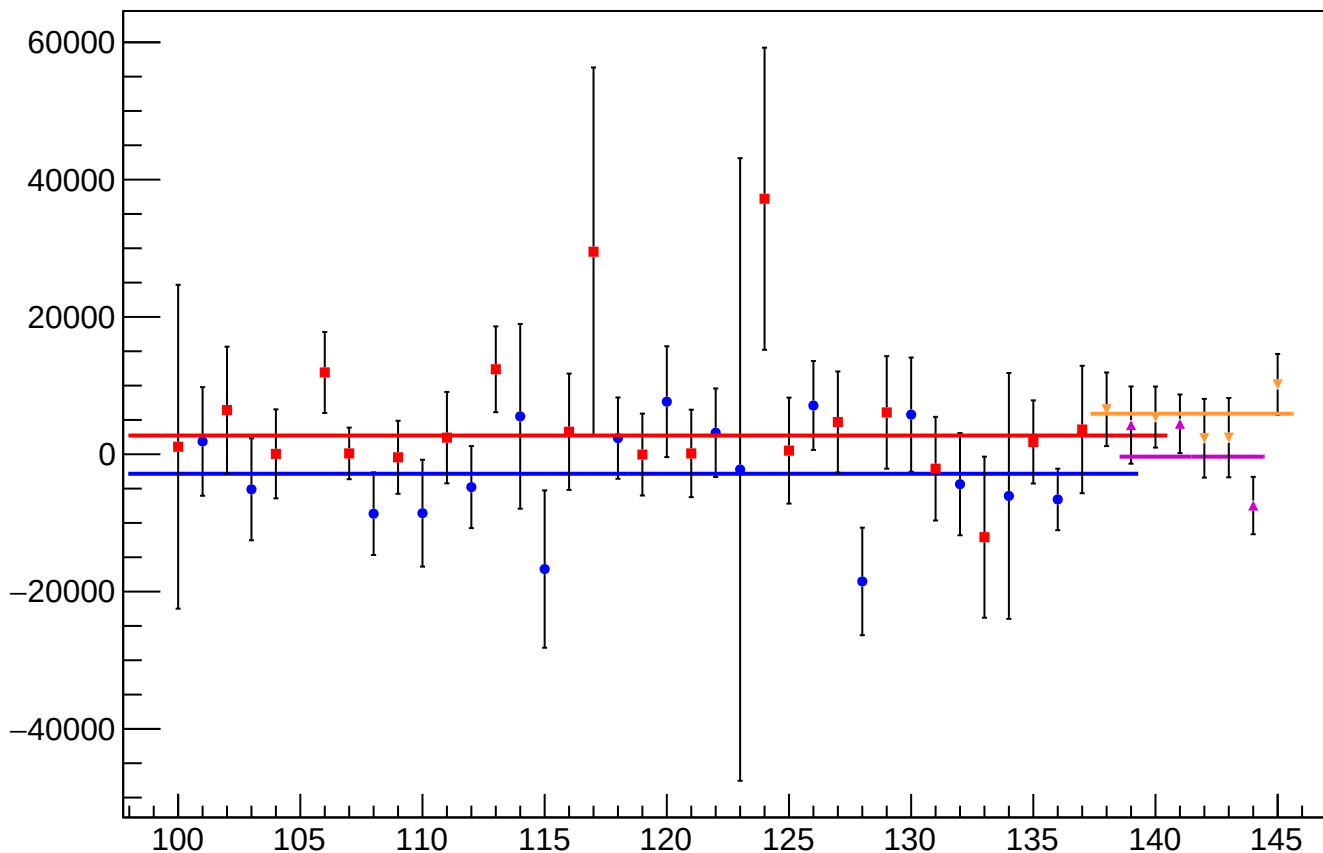
Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

Left In: 3568.927+/-1.638 χ^2/NDF : 67654.5/2

3826.829+/-0.871 χ^2/NDF : 630853.6/21

716.656+/-0.315 χ^2/NDF : 13532073.5/22

asym_atl1r2_dd_mean vs Slug



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

Left Out: 5907.708+/-2256.588 χ^2/NDF : 1.7/4

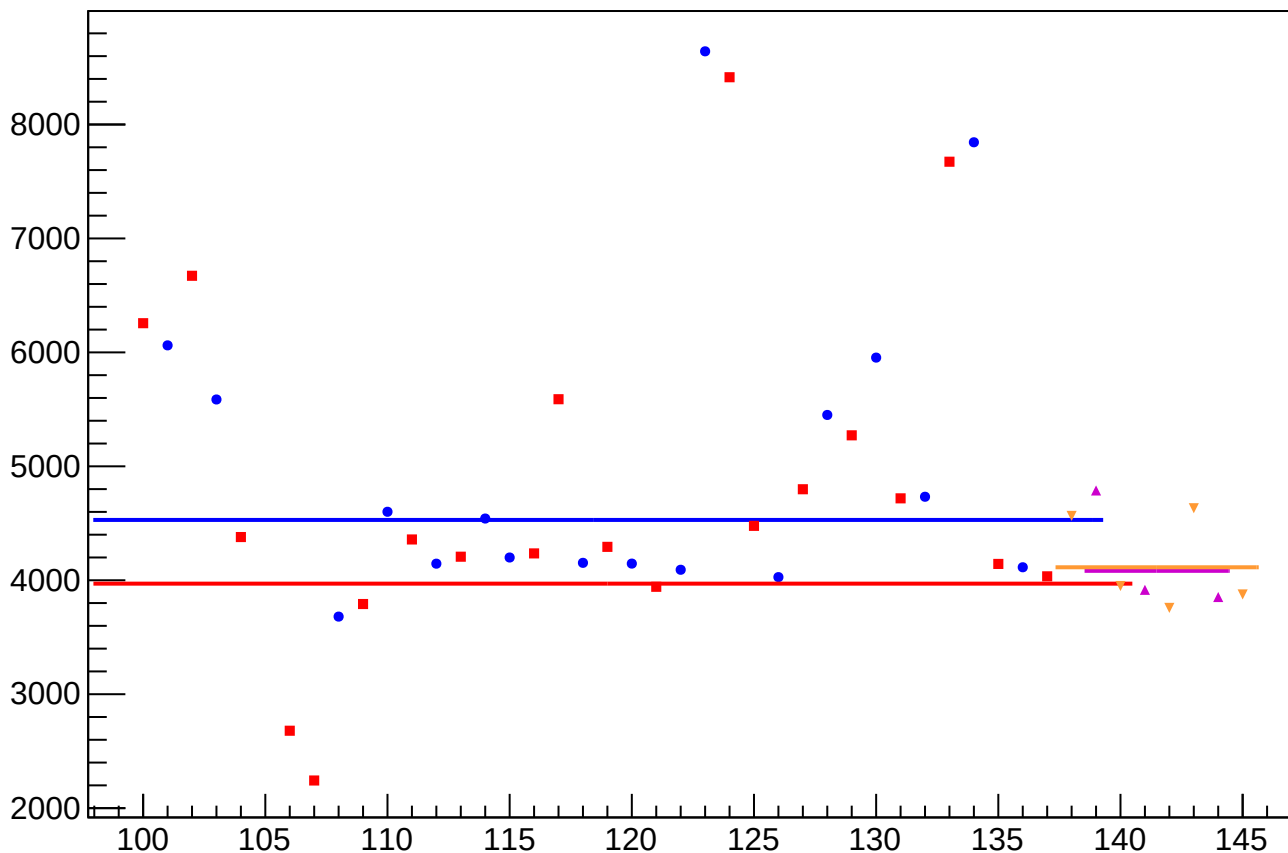
Right Out: 2729.311+/-1572.398 χ^2/NDF : 12.2/19

Left In: -348.650+/-2638.317 χ^2/NDF : 4.8/2

529.460+/-1400.456 χ^2/NDF : 26.4/21

1922.575+/-1350.707 χ^2/NDF : 18.0/22

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462 ± 1.263 χ^2/NDF : 389326.2/16

Left Out: 4113.936 ± 1.596 χ^2/NDF : 46450.5/4

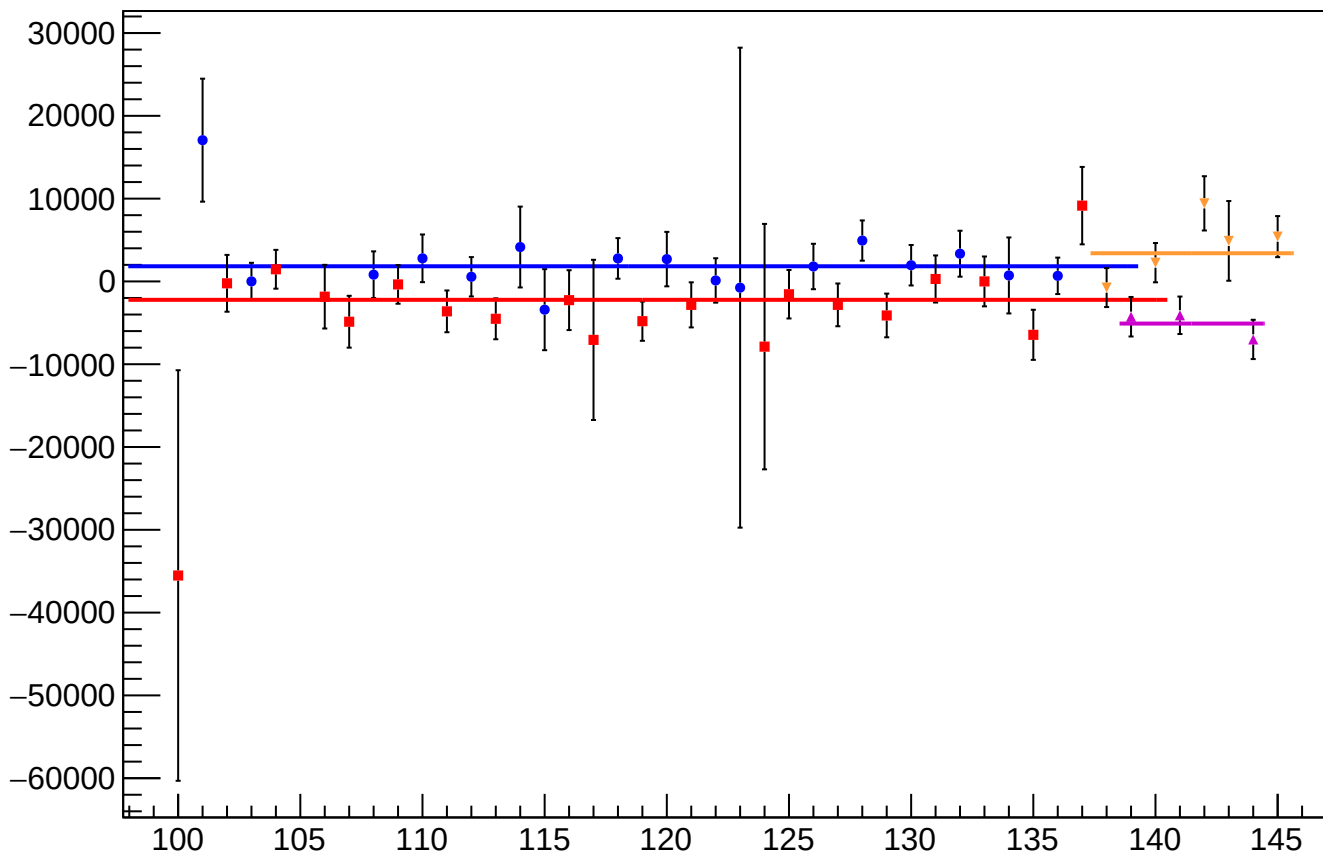
Right Out: 3970.336 ± 1.105 χ^2/NDF : 1147711.9/19

Left In: 4082.815 ± 1.866 χ^2/NDF : 40528.5/2

4369.420 ± 0.990 χ^2/NDF : 477471.9/21

3999.539 ± 0.951 χ^2/NDF : 1190931.8/22

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 3402.638 $\pm$ 1233.706 χ^2 /NDF: 7.5/4

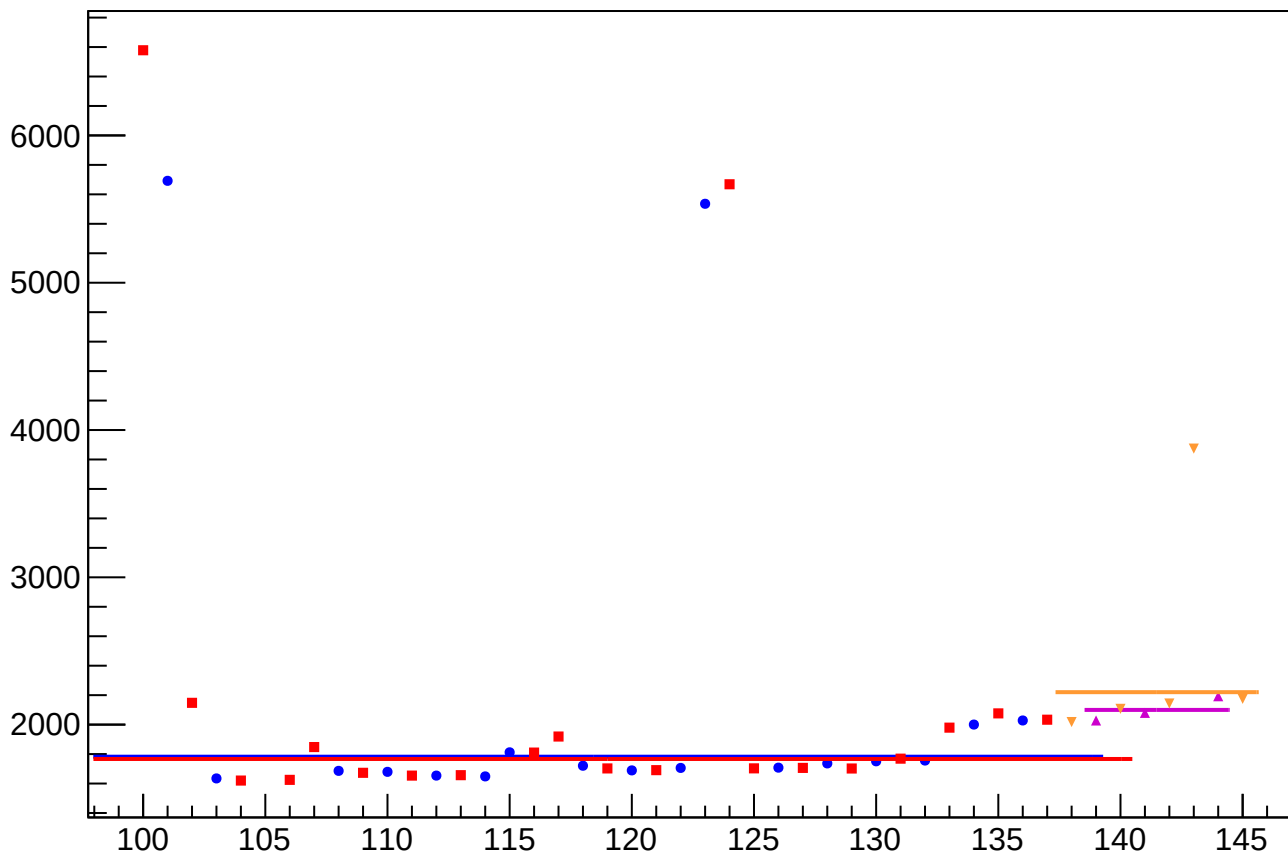
Right Out: -2222.274 $\pm$ 682.500 χ^2 /NDF: 18.6/19

Left In: -5090.645 $\pm$ 1350.305 χ^2 /NDF: 1.0/2

2222.453 $\pm$ 616.239 χ^2 /NDF: 18.4/21

-2805.948 $\pm$ 609.115 χ^2 /NDF: 23.2/22

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2220.313+/-0.872 χ^2/NDF :257107.6/4

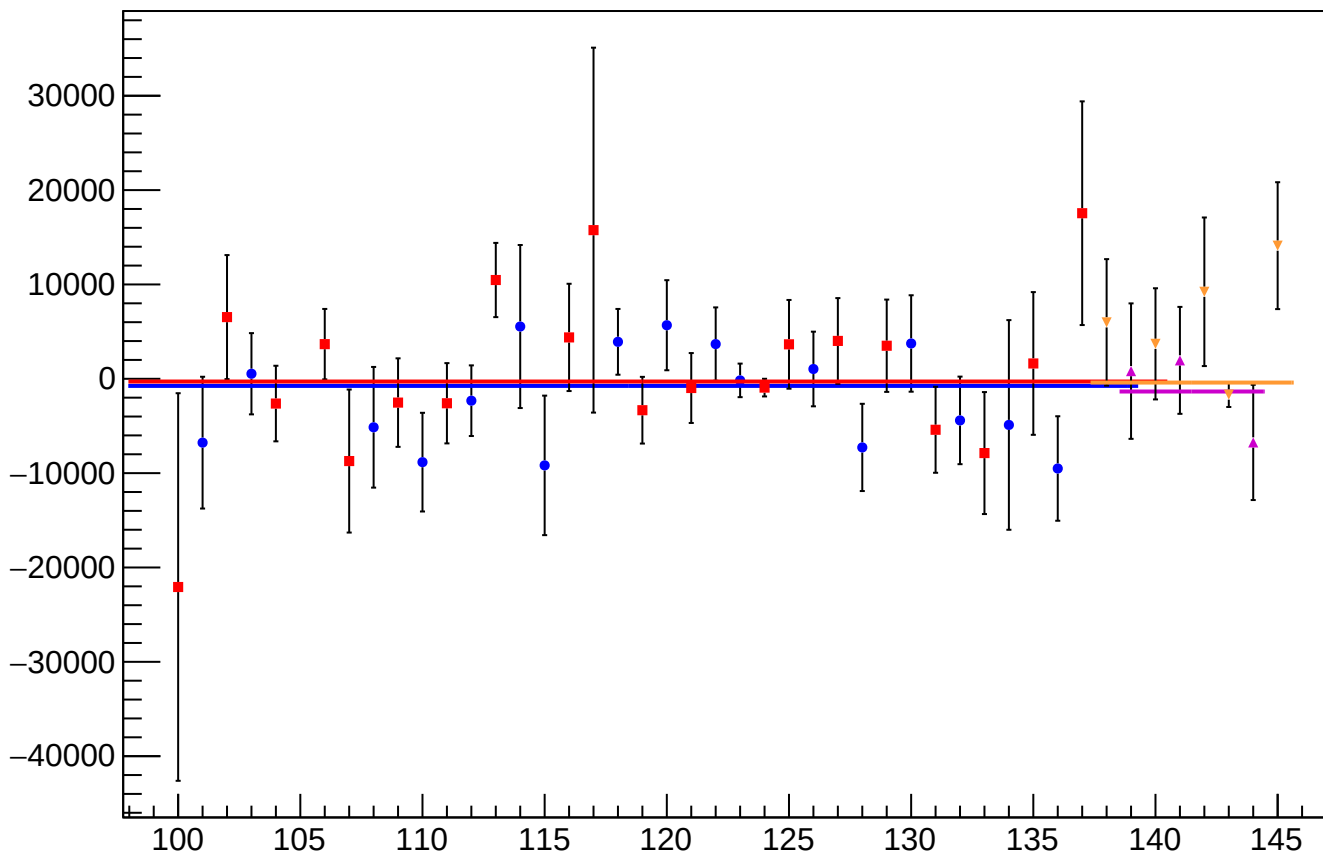
Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

Left In: 2099.819+/-0.955 χ^2/NDF :5022.3/2

1891.462+/-0.436 χ^2/NDF : 1091641.0/21

1833.765+/-0.428 χ^2/NDF : 409529.5/22

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428 ± 1008.523 χ^2/NDF : 16.9/16

Left Out: -399.423 ± 1224.081 χ^2/NDF : 8.5/4

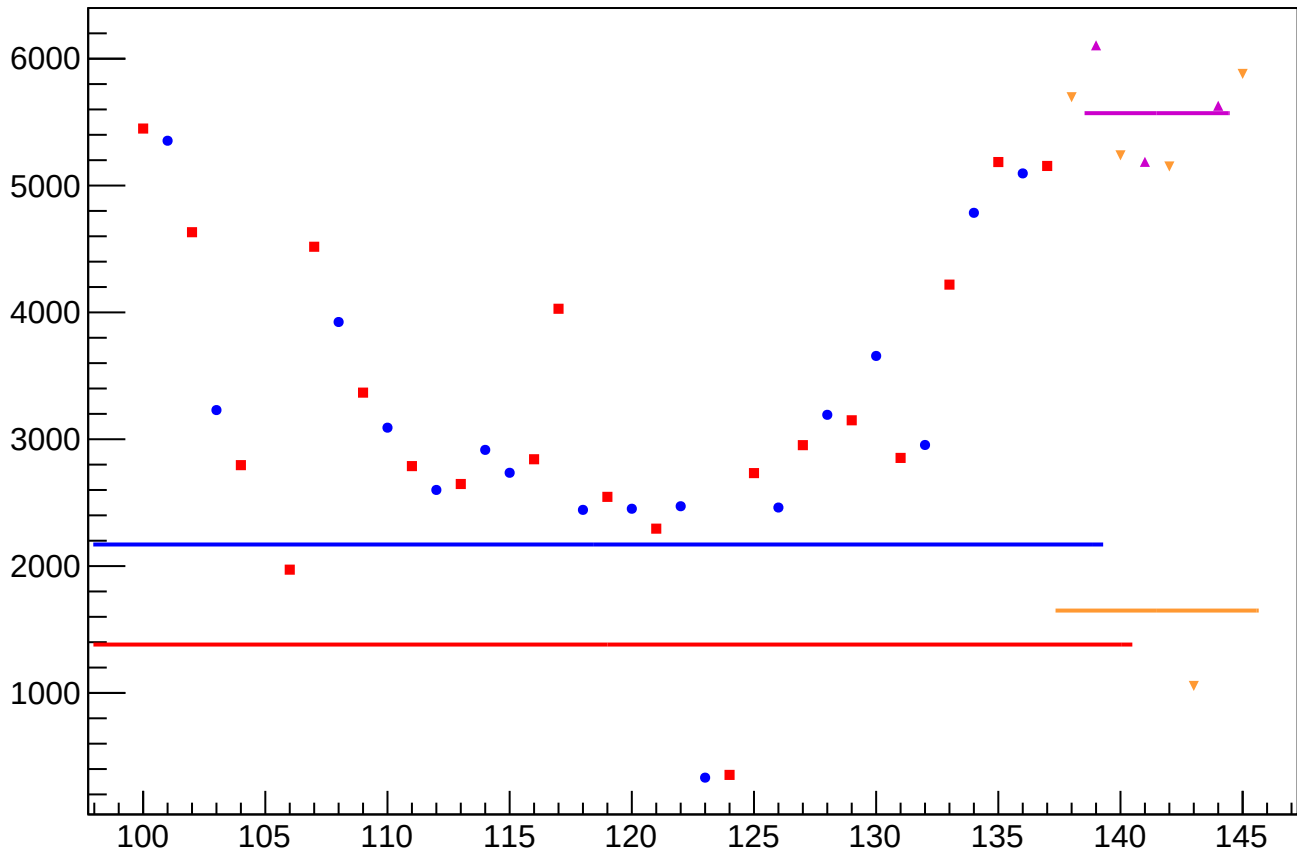
Right Out: -288.847 ± 724.622 χ^2/NDF : 22.7/19

Left In: -1347.689 ± 3595.637 χ^2/NDF : 1.2/2

-610.289 ± 778.367 χ^2/NDF : 25.5/21

-330.172 ± 710.341 χ^2/NDF : 24.0/22

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 1649.382+/-0.866 χ^2/NDF : 3066591.0/4

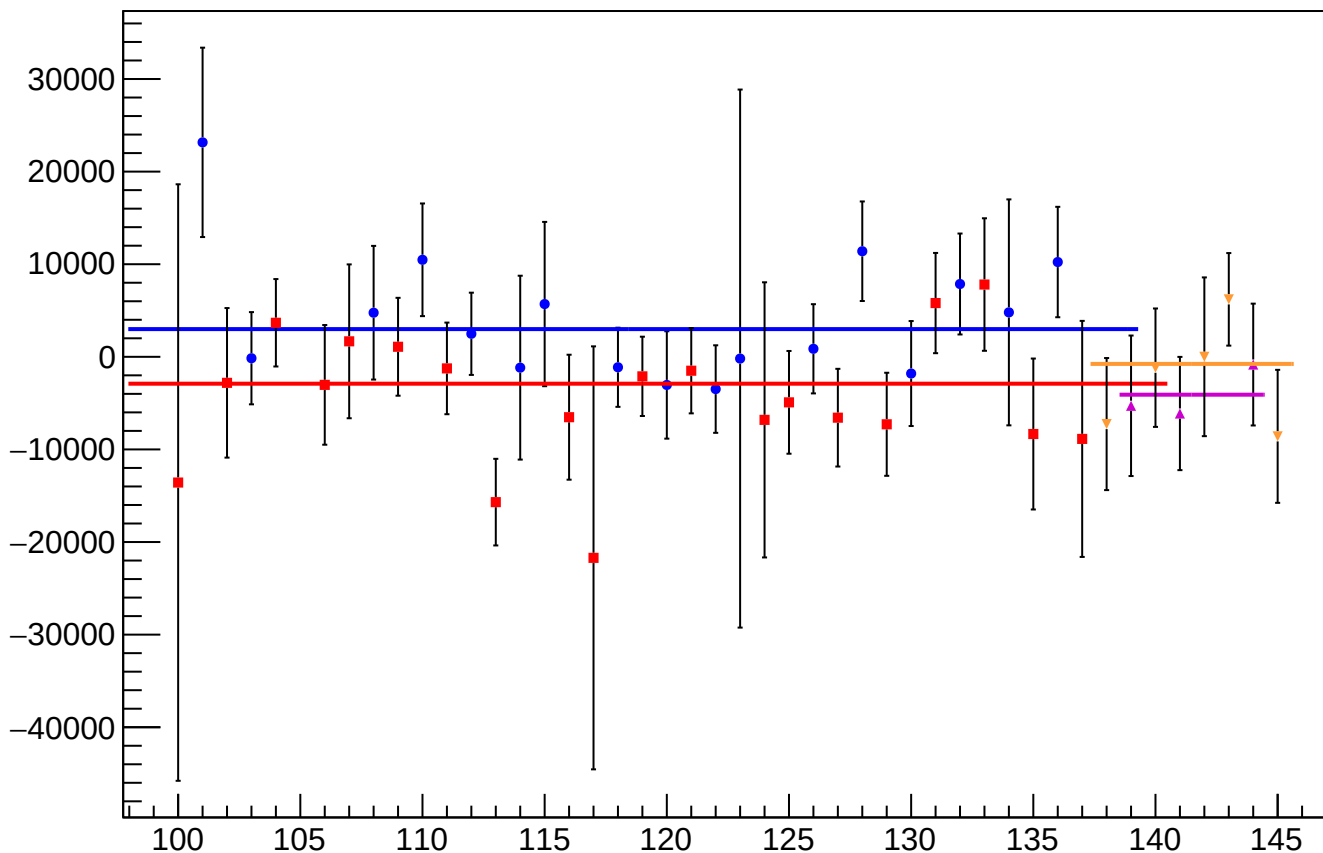
1959.636+/-0.550 χ^2/NDF : 7256015.9/21

Right Out: 1381.438+/-0.512 χ^2/NDF : 6884822.3/19

1544.937+/-0.502 χ^2/NDF : 9514164.5/22

Left In: 5570.659+/-2.542 χ^2/NDF : 20454.8/2

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 ± 1447.211 χ^2/NDF : 15.7/16

Left Out: -764.700 ± 2921.521 χ^2/NDF : 4.0/4

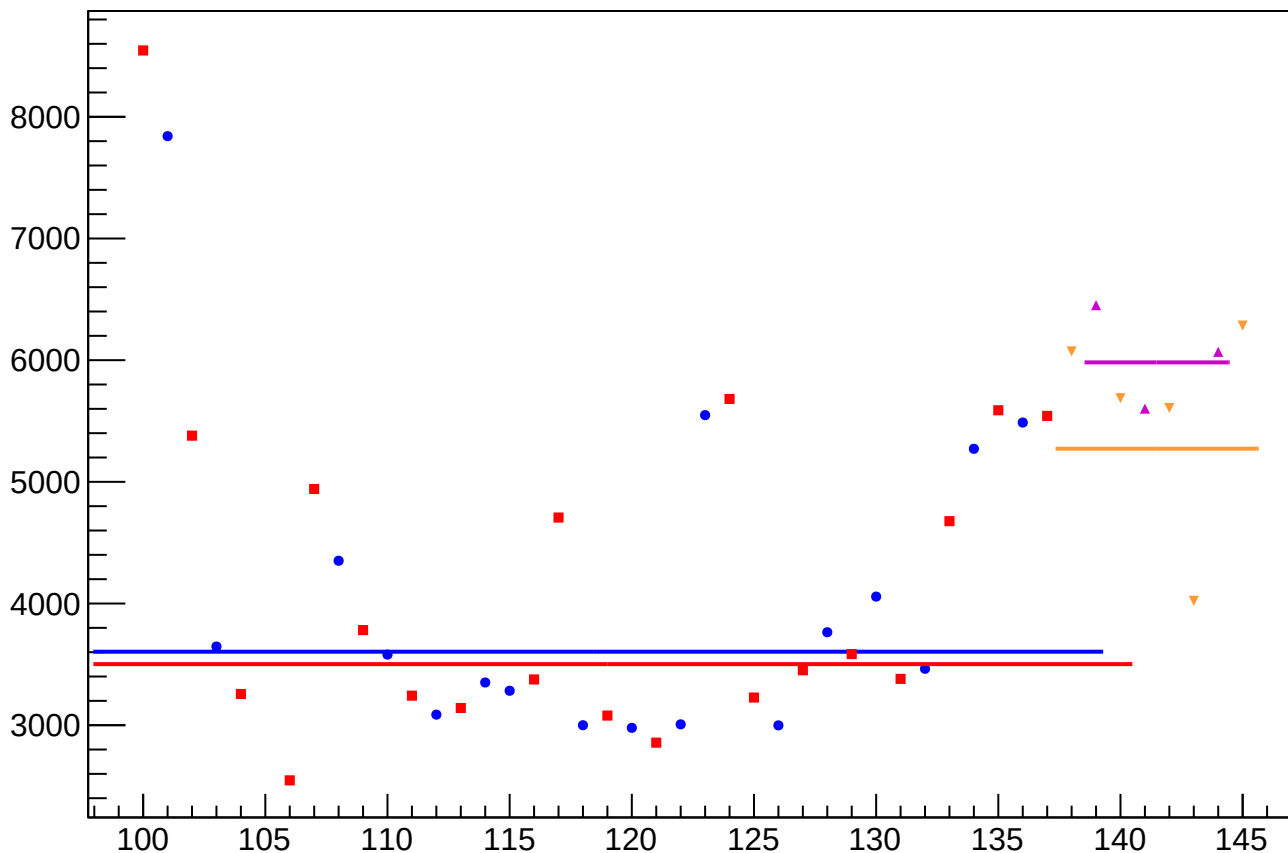
Right Out: -2901.985 ± 1376.603 χ^2/NDF : 18.4/19

Left In: -4089.338 ± 3856.447 χ^2/NDF : 0.4/2

2252.448 ± 1296.821 χ^2/NDF : 21.0/21

-3036.180 ± 1296.479 χ^2/NDF : 18.9/22

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 χ^2/NDF : 784674.5/16

Left Out: 5272.355 ± 2.066 χ^2/NDF : 201563.1/4

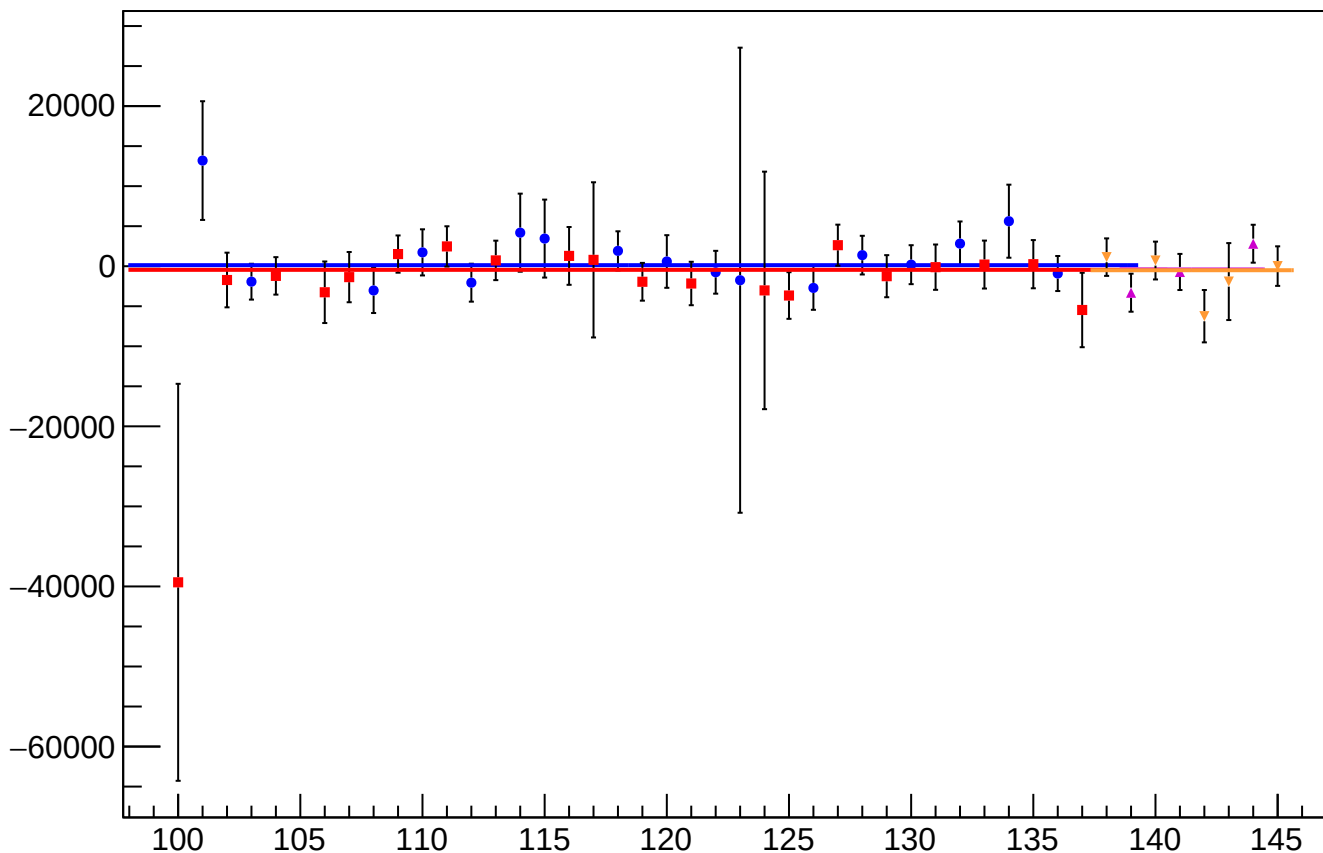
Right Out: 3501.857 ± 0.960 χ^2/NDF : 667483.1/19

Left In: 5981.875 ± 2.727 χ^2/NDF : 15771.4/2

3932.664 ± 0.917 χ^2/NDF : 1509986.6/21

3775.290 ± 0.905 χ^2/NDF : 1419174.8/22

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: -499.979 $\pm$ 1228.924 χ^2 /NDF: 4.0/4

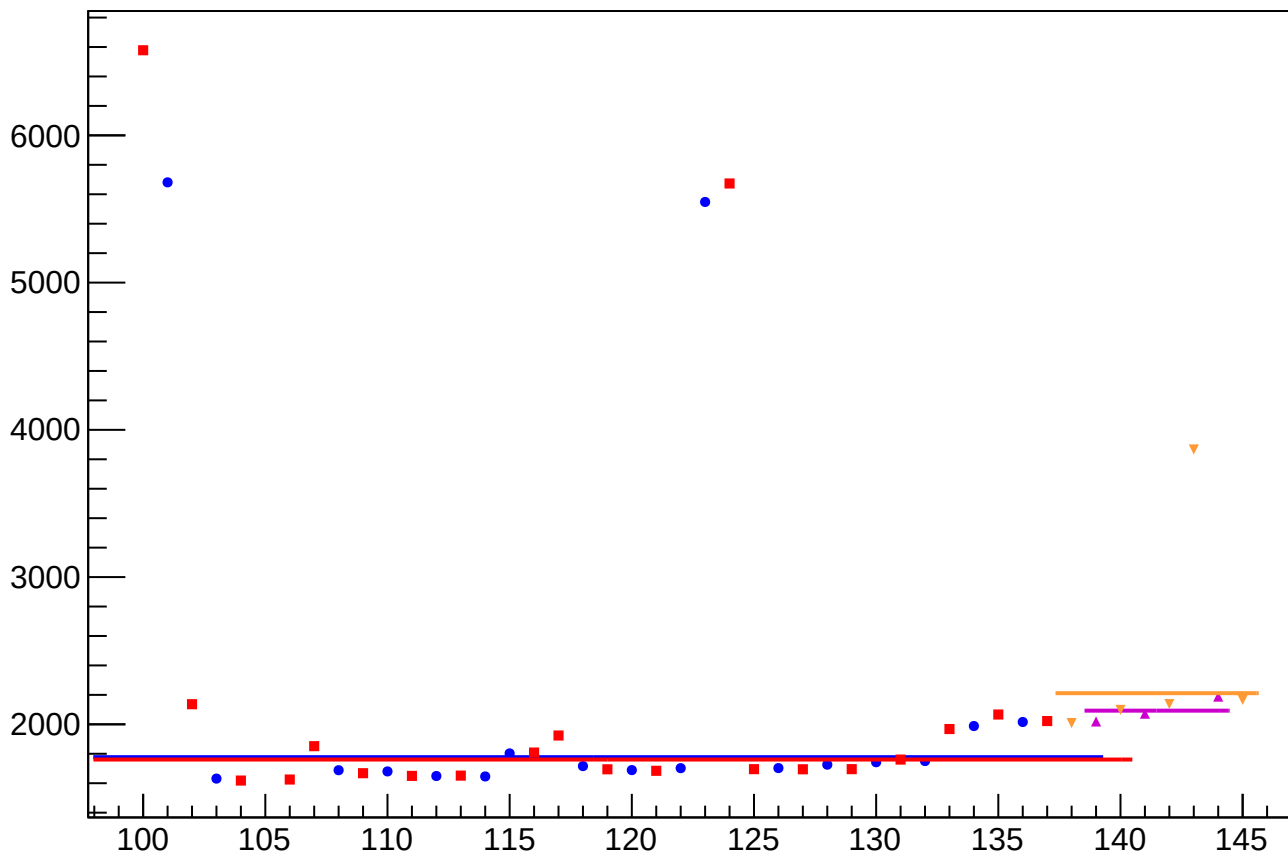
Right Out: -452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

Left In: -409.237 $\pm$ 1345.761 χ^2 /NDF: 3.4/2

-26.705 $\pm$ 614.259 χ^2 /NDF: 16.3/21

-443.994 $\pm$ 607.035 χ^2 /NDF: 14.1/22

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 2211.459+/-0.869 χ^2/NDF :258575.0/4

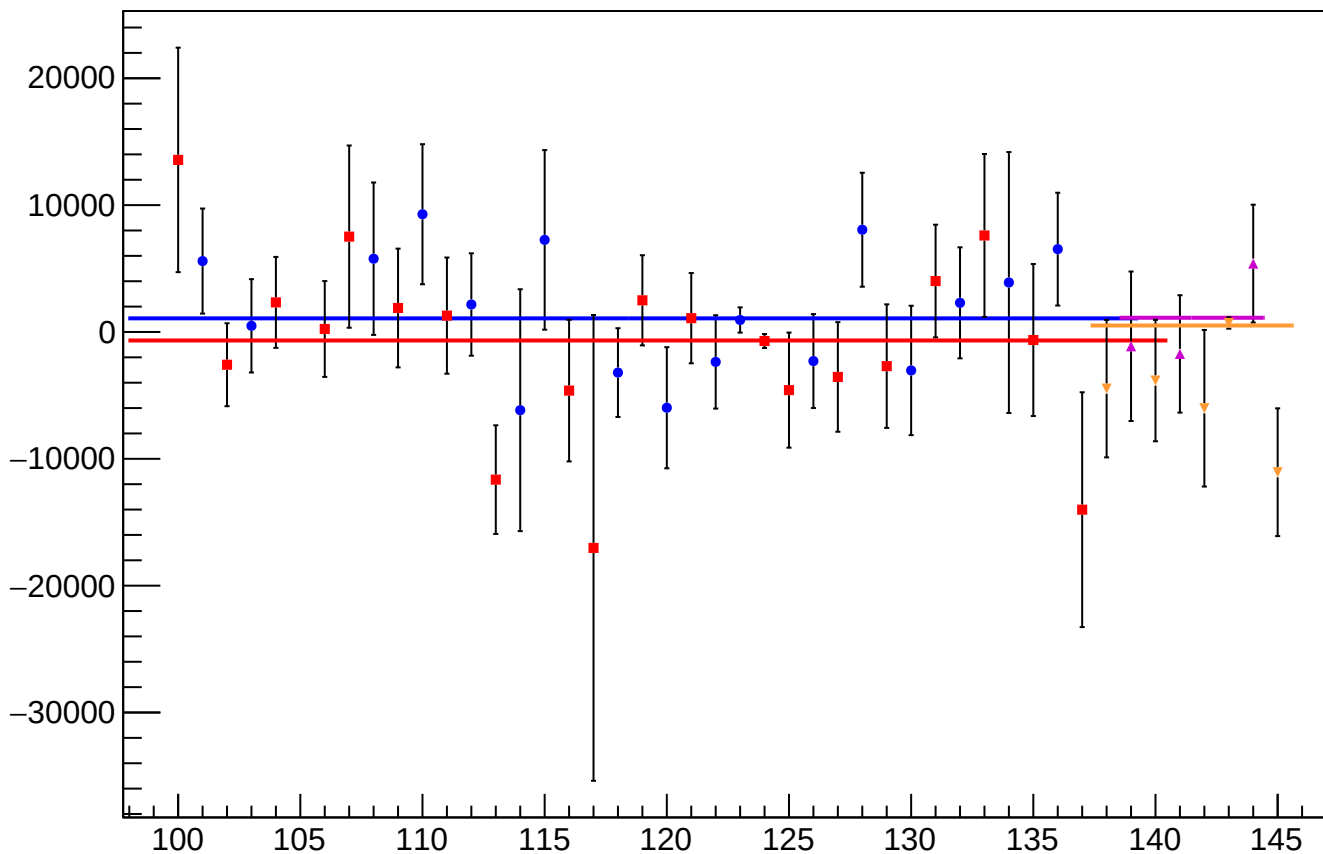
Right Out: 1760.787+/-0.478 χ^2/NDF : 306724.5/19

Left In: 2092.783+/-0.952 χ^2/NDF :5328.5/2

1885.452+/-0.434 χ^2/NDF : 1089770.9/21

1827.609+/-0.427 χ^2/NDF : 409273.5/22

asym_atr1l2_dd_correction_mean vs Slug



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

Left Out: 510.071+/-441.422 χ^2/NDF : 8.3/4

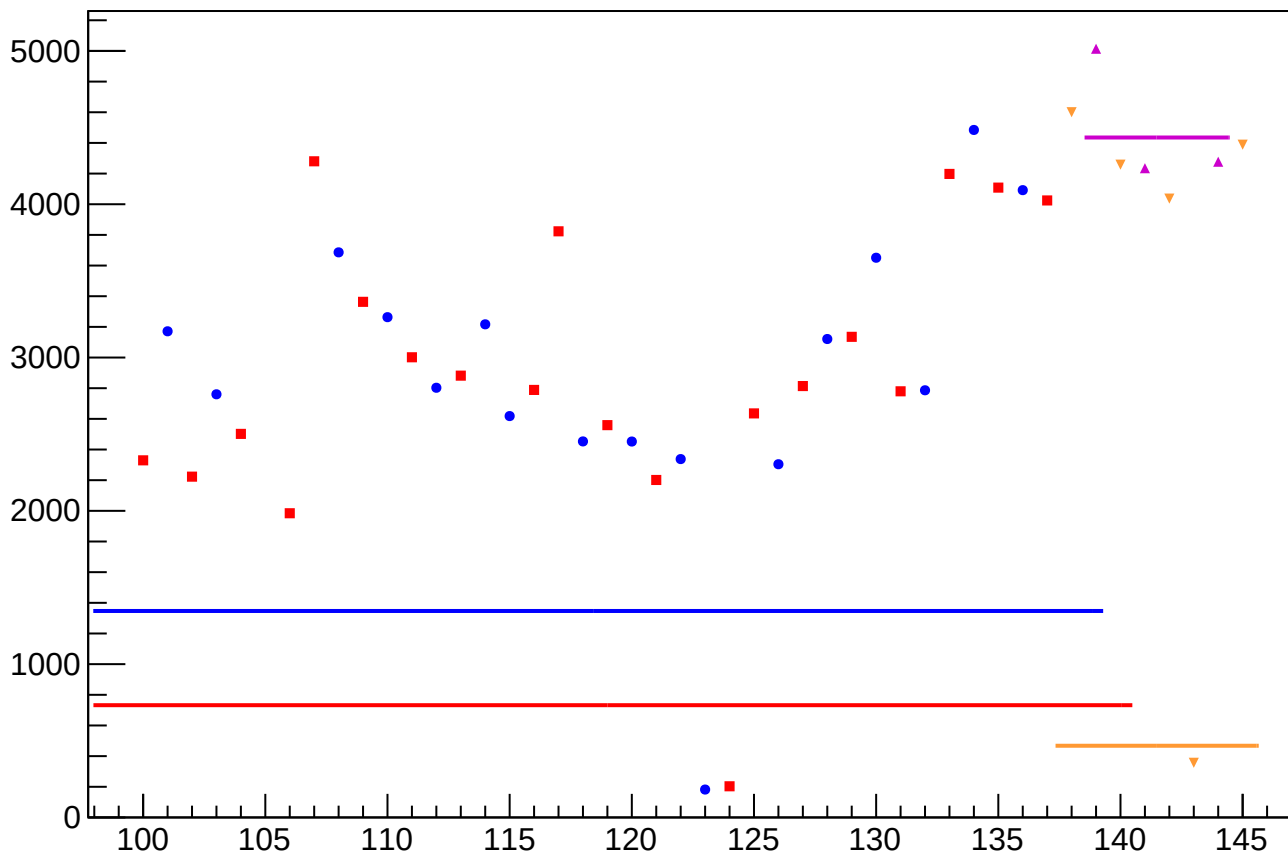
Right Out: -670.313+/-487.861 χ^2/NDF : 20.6/19

Left In: 1120.503+/-2864.572 χ^2/NDF : 1.4/2

654.044+/-380.719 χ^2/NDF : 24.2/21

-619.834+/-480.937 χ^2/NDF : 22.3/22

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 467.757 $\pm$ 0.312 χ^2 /NDF: 4420561.0/4

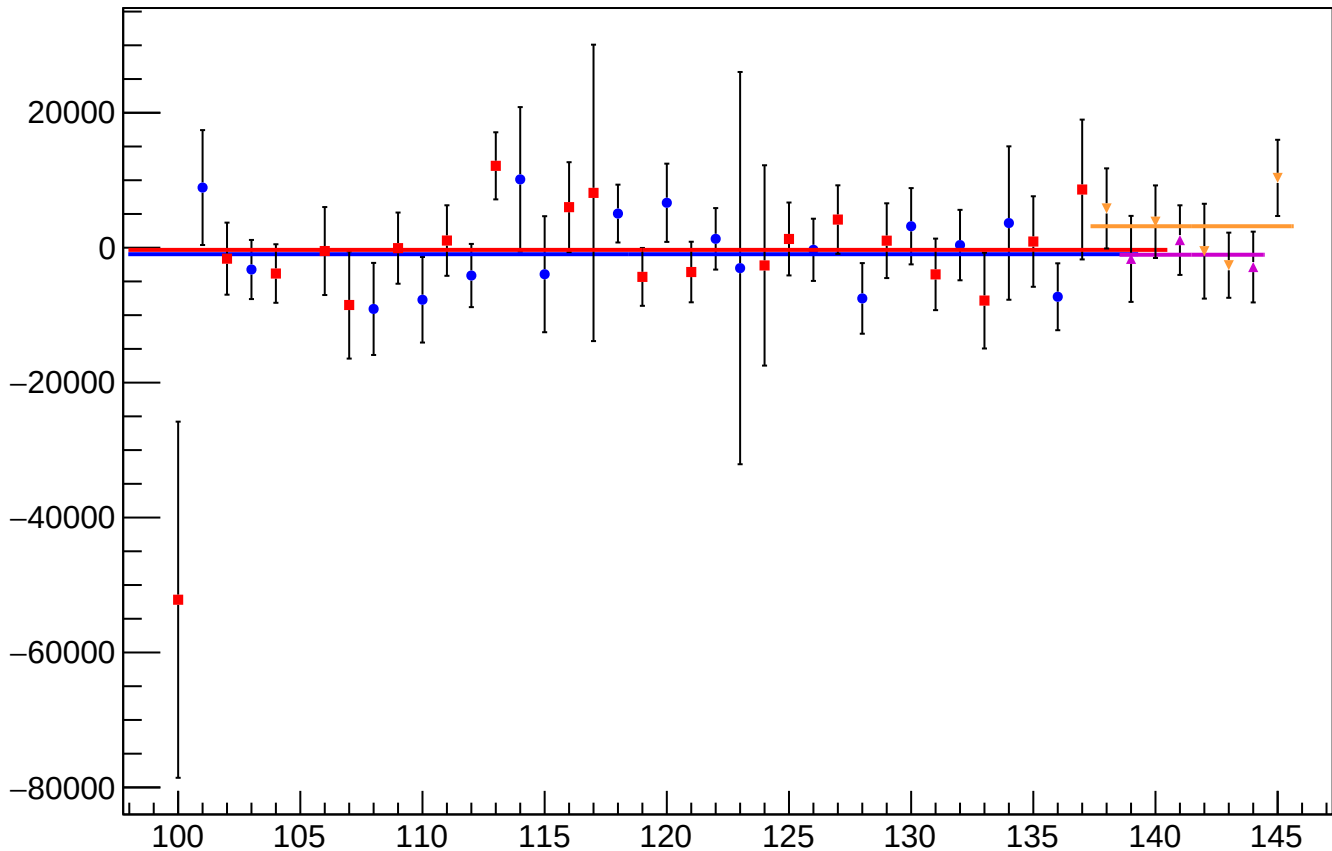
Right Out: 732.303 $\pm$ 0.345 χ^2 /NDF: 9559853.6/19

Left In: 4435.252 $\pm$ 2.026 χ^2 /NDF: 25369.2/2

692.910 $\pm$ 0.269 χ^2 /NDF: 13291224.7/21

836.680 $\pm$ 0.340 χ^2 /NDF: 12833017.1/22

asym_atr1l2_dd_mean vs Slug



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 3181.119+/-2520.666 χ^2/NDF : 3.5/4

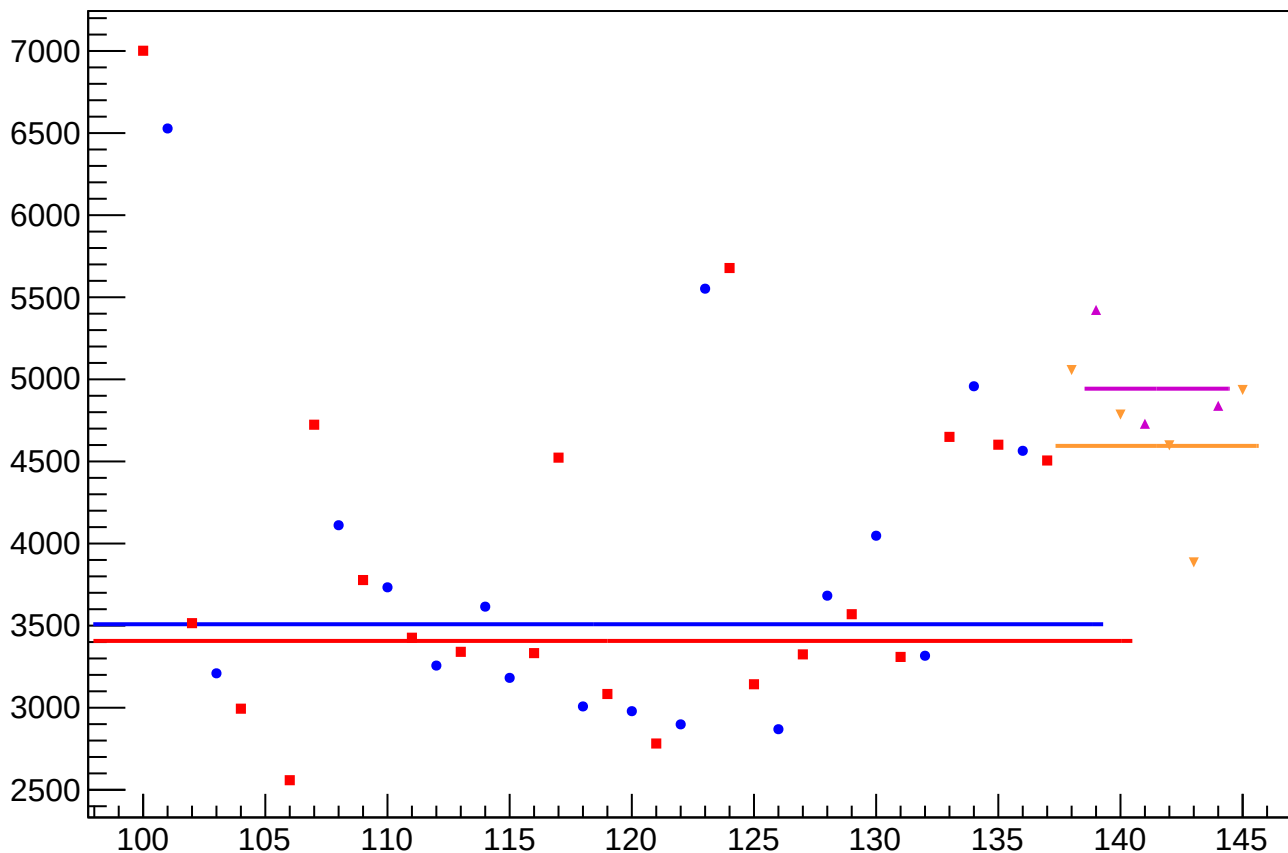
Right Out: -323.694+/-1327.331 χ^2/NDF : 17.8/19

Left In: -1043.734+/-3185.956 χ^2/NDF : 0.3/2

8.446+/-1220.971 χ^2/NDF : 19.3/21

-430.188+/-1225.249 χ^2/NDF : 18.1/22

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4594.817+/-1.782 χ^2/NDF : 65076.3/4

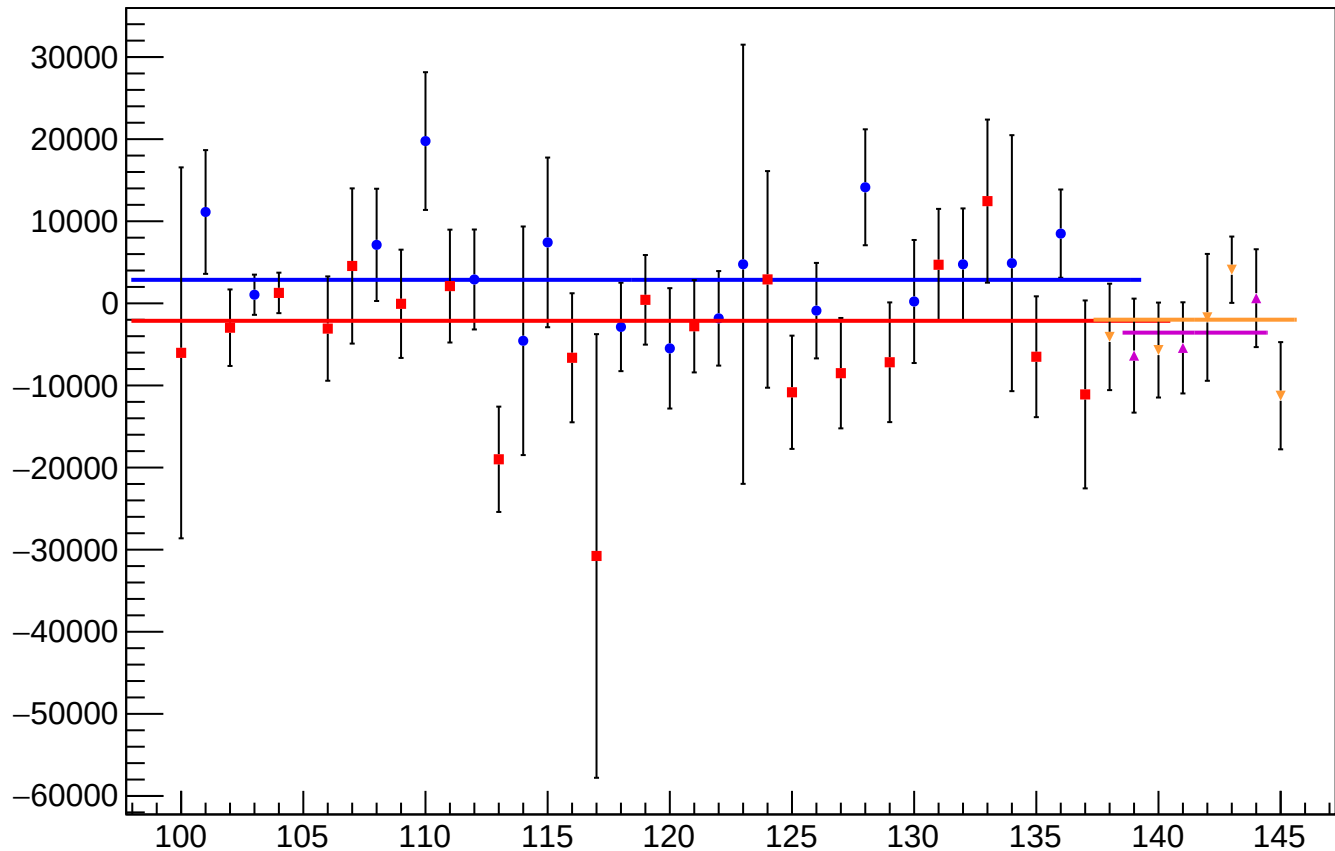
Right Out: 3406.868+/-0.926 χ^2/NDF : 433737.9/19

Left In: 4943.175+/-2.253 χ^2/NDF : 15547.2/2

3763.365+/-0.863 χ^2/NDF : 911589.3/21

3629.107+/-0.857 χ^2/NDF : 847068.3/22

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -1989.692+/-2538.256 χ^2/NDF : 4.8/4

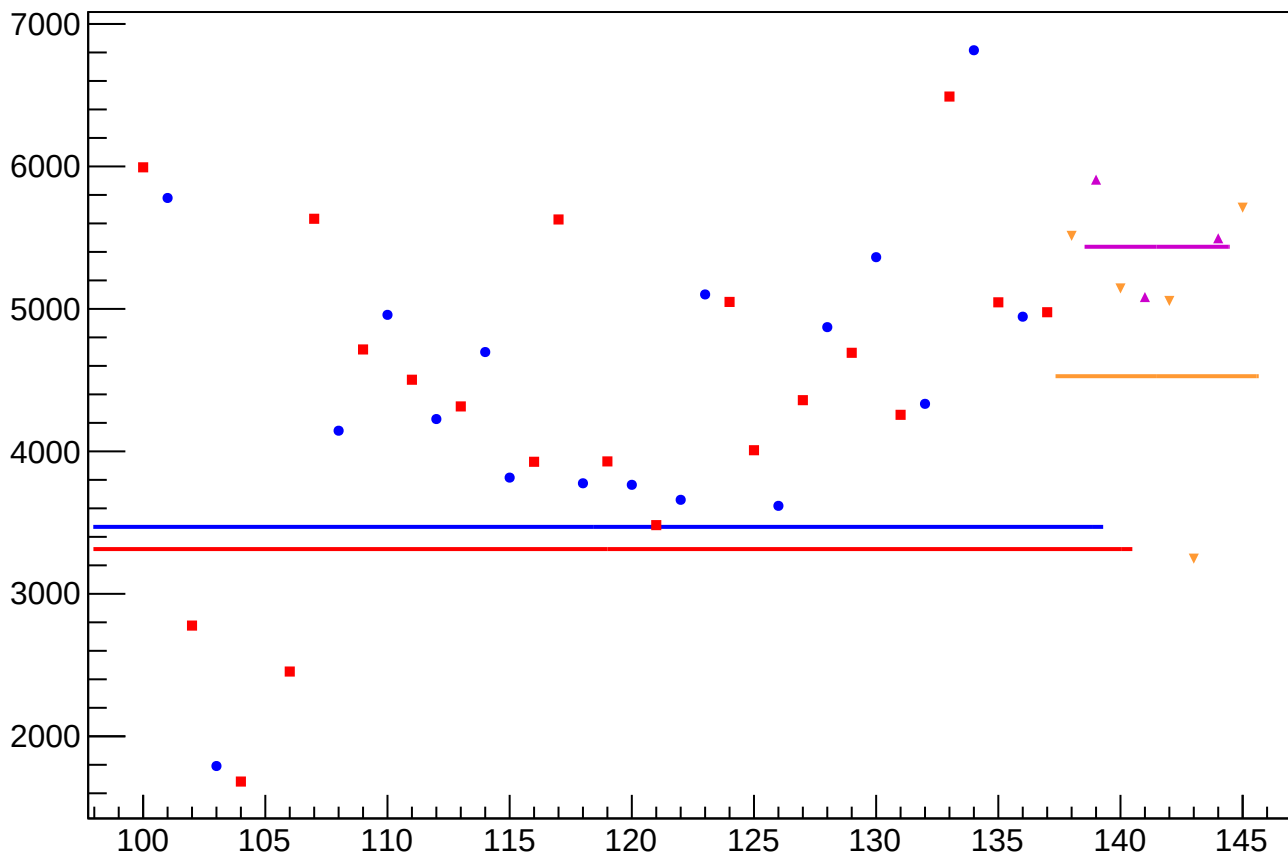
1667.061+/-1260.784 χ^2/NDF : 21.6/21

Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

-2319.368+/-1283.932 χ^2/NDF : 19.7/22

Left In: -3567.307+/-3506.146 χ^2/NDF : 0.8/2

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 4527.608 $\pm$ 1.795 χ^2 /NDF:344941.4/4

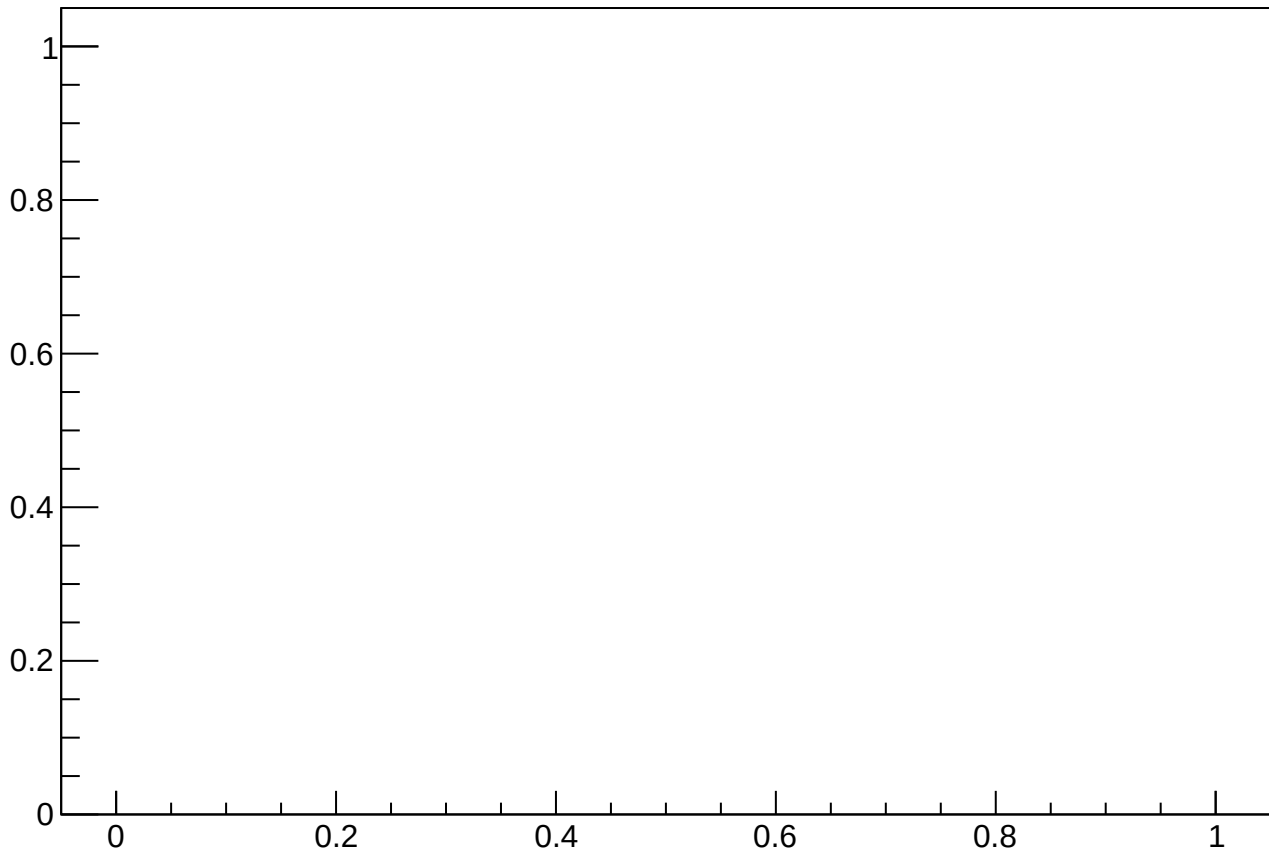
Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

Left In: 5436.155 $\pm$ 2.479 χ^2 /NDF:17489.9/2

3730.959 $\pm$ 0.891 χ^2 /NDF: 2367339.0/21

3594.255 $\pm$ 0.901 χ^2 /NDF: 2578855.5/22

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

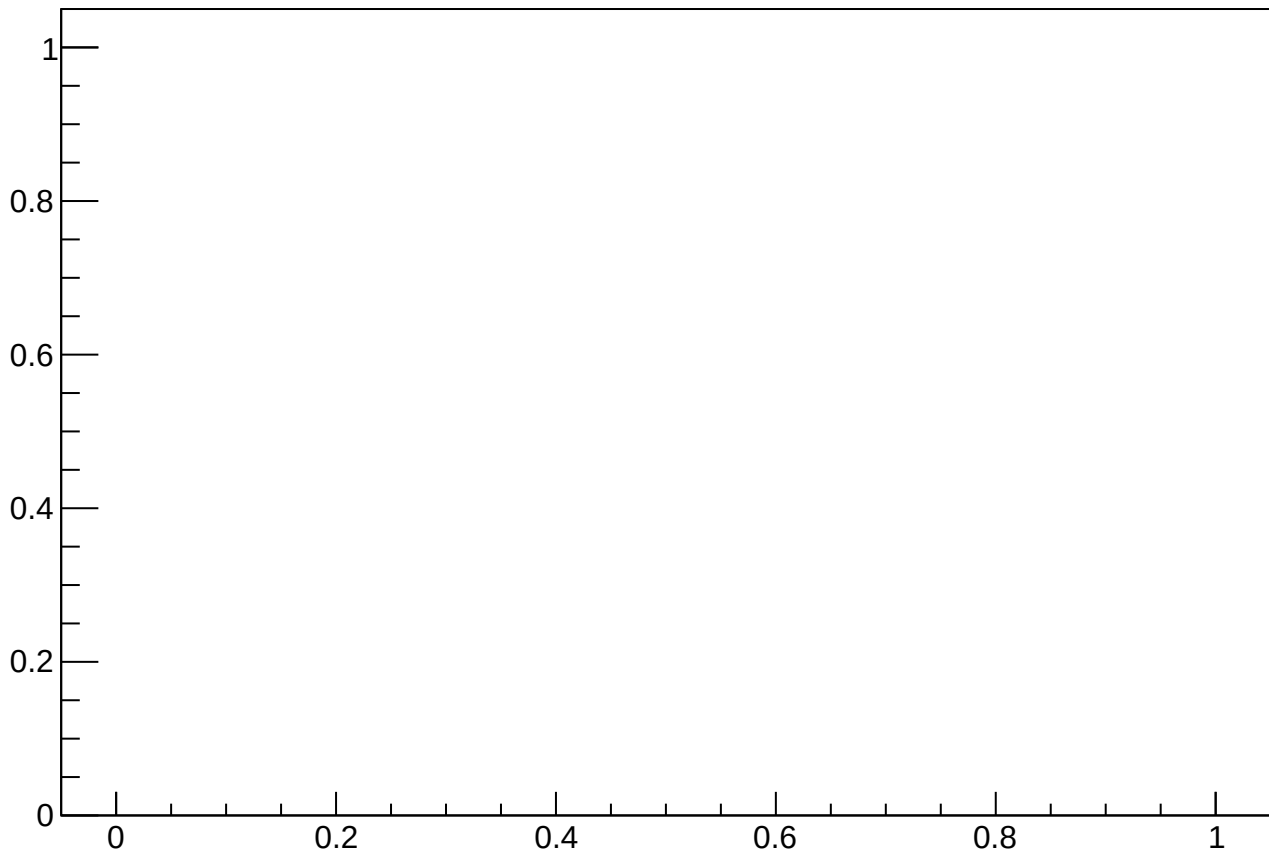
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

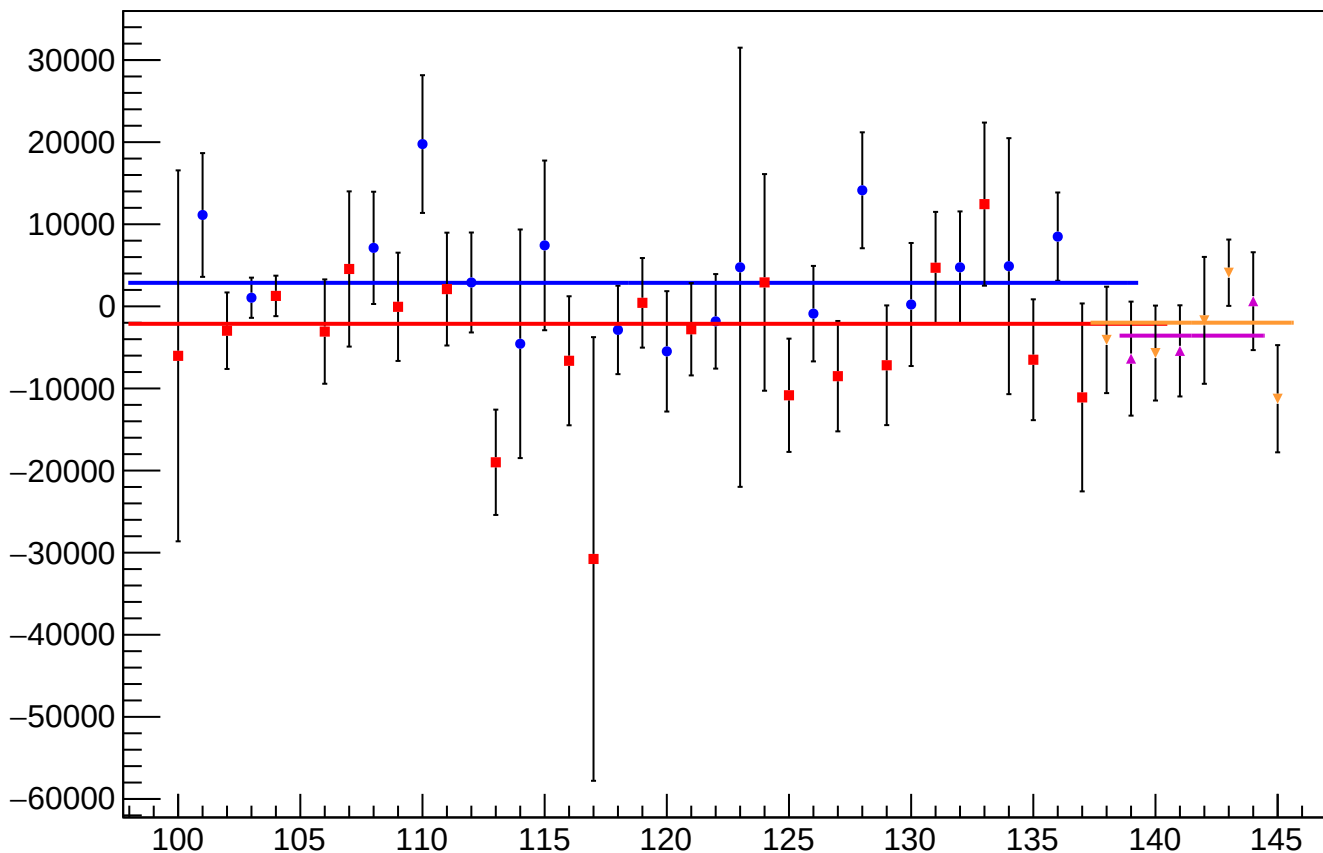
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -1989.692+/-2538.256 χ^2/NDF : 4.8/4

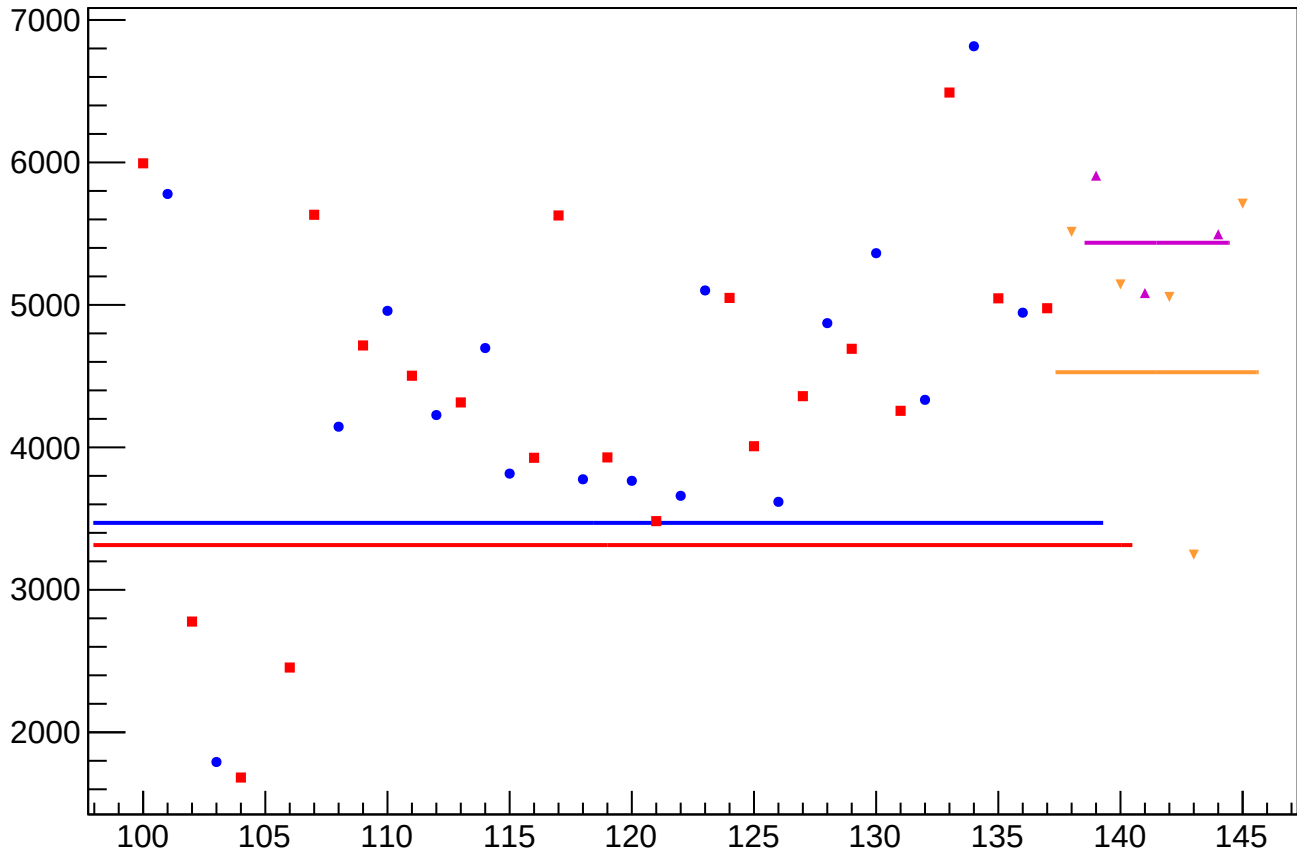
Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

Left In: -3567.307+/-3506.146 χ^2/NDF : 0.8/2

1667.061+/-1260.784 χ^2/NDF : 21.6/21

-2319.368+/-1283.932 χ^2/NDF : 19.7/22

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2/NDF : 1760860.6/16

Left Out: 4527.608 $\pm$ 1.795 χ^2/NDF : 344941.4/4

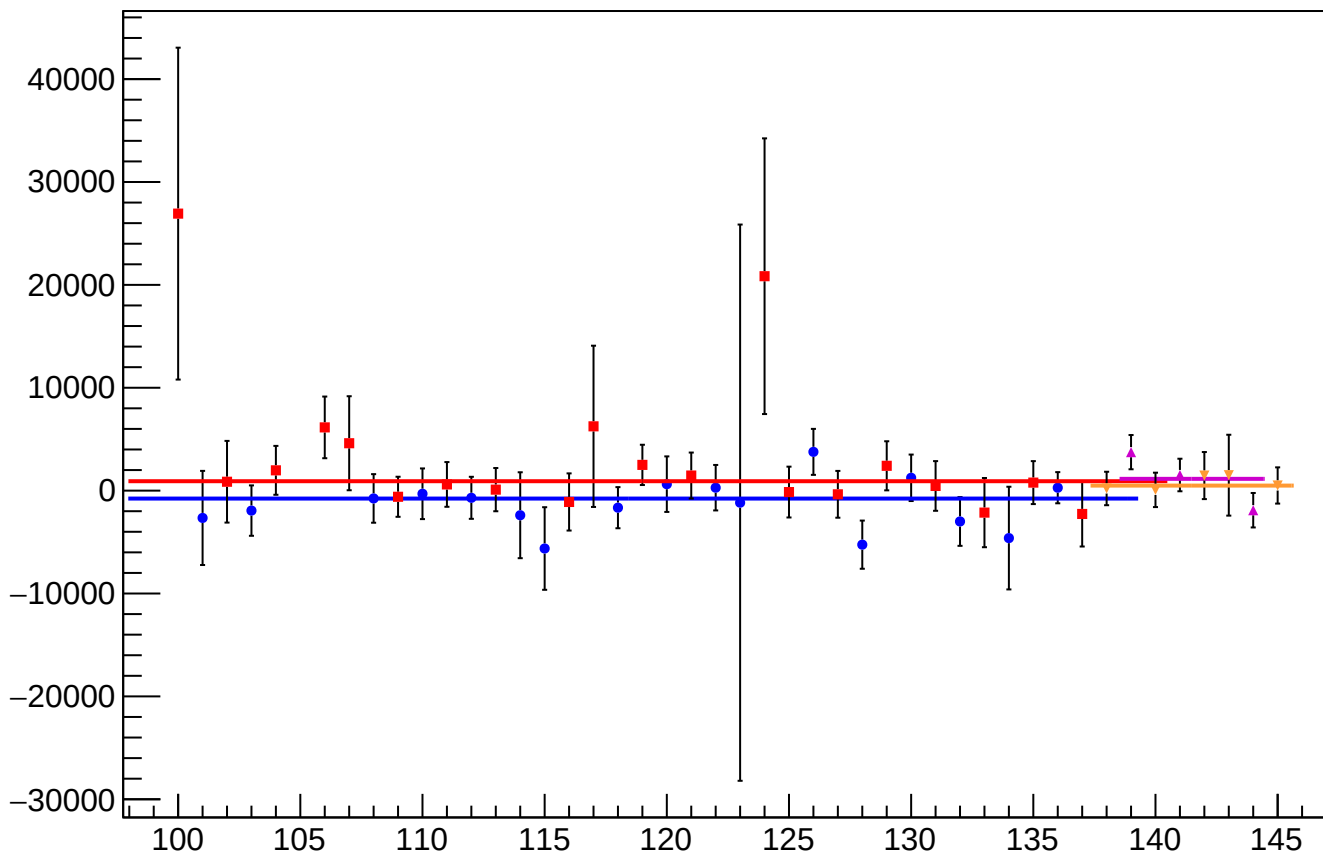
Right Out: 3314.183 $\pm$ 0.967 χ^2/NDF : 1925484.9/19

Left In: 5436.155 $\pm$ 2.479 χ^2/NDF : 17489.9/2

3730.959 $\pm$ 0.891 χ^2/NDF : 2367339.0/21

3594.255 $\pm$ 0.901 χ^2/NDF : 2578855.5/22

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 490.042+/-872.321 χ^2/NDF : 0.3/4

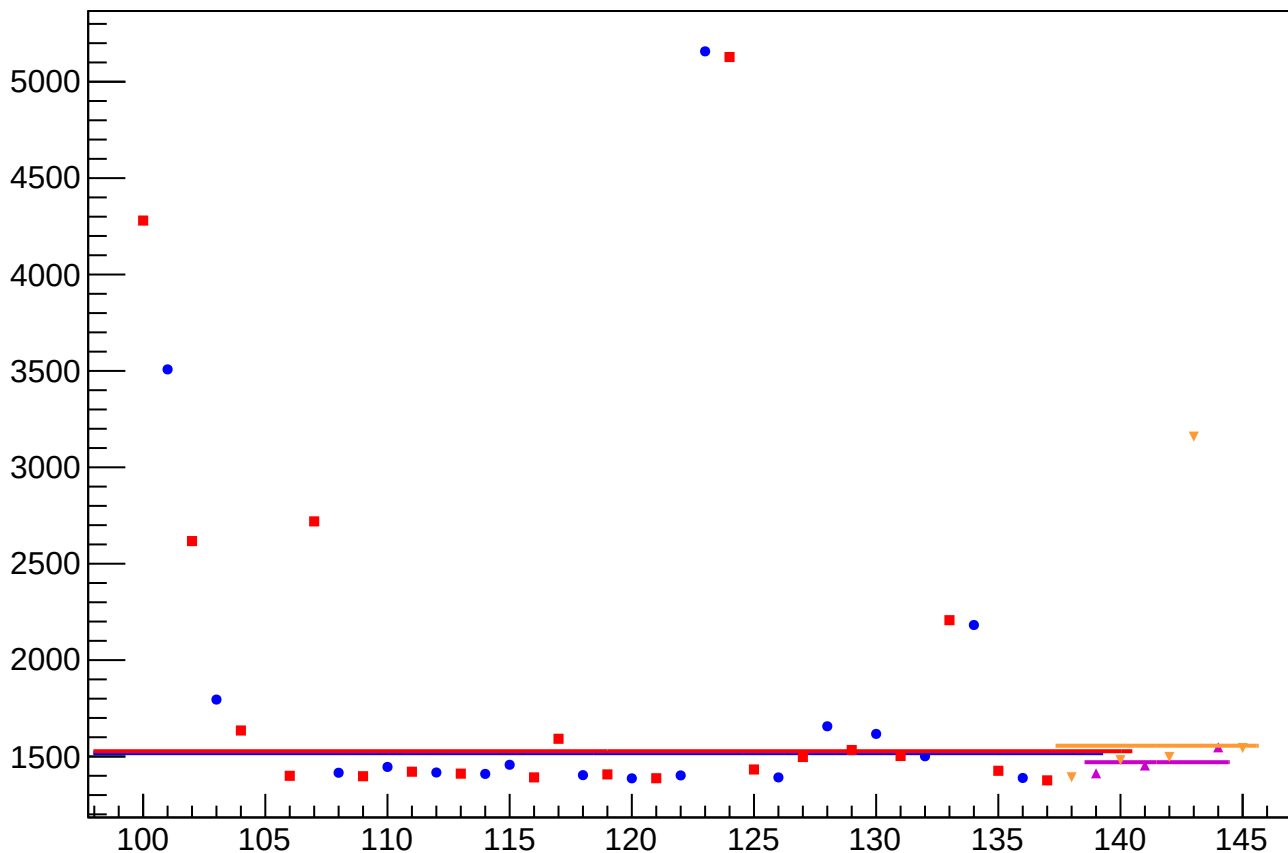
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 1145.420+/-946.176 χ^2/NDF : 5.8/2

-362.732+/-496.409 χ^2/NDF : 15.0/21

980.678+/-502.681 χ^2/NDF : 19.8/22

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334 $\pm$ 0.427 χ^2/NDF : 536662.7/16

Left Out: 1555.979 $\pm$ 0.617 χ^2/NDF : 358372.2/4

Right Out: 1527.378 $\pm$ 0.420 χ^2/NDF : 631820.9/19

Left In: 1470.482 $\pm$ 0.669 χ^2/NDF : 6866.3/2

1529.849 $\pm$ 0.351 χ^2/NDF : 897689.0/21

1511.319 $\pm$ 0.355 χ^2/NDF : 643877.8/22

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

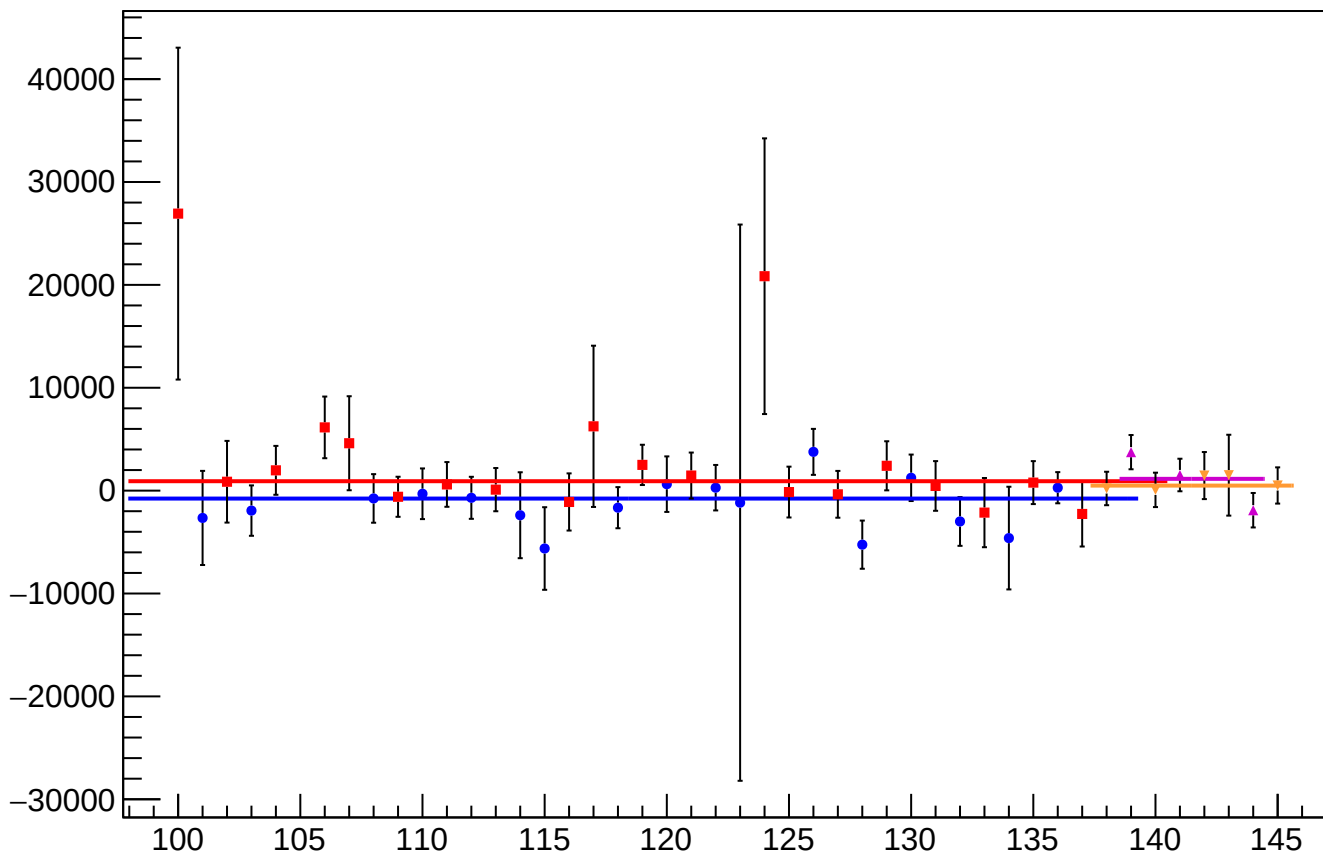
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 490.042+/-872.321 χ^2/NDF : 0.3/4

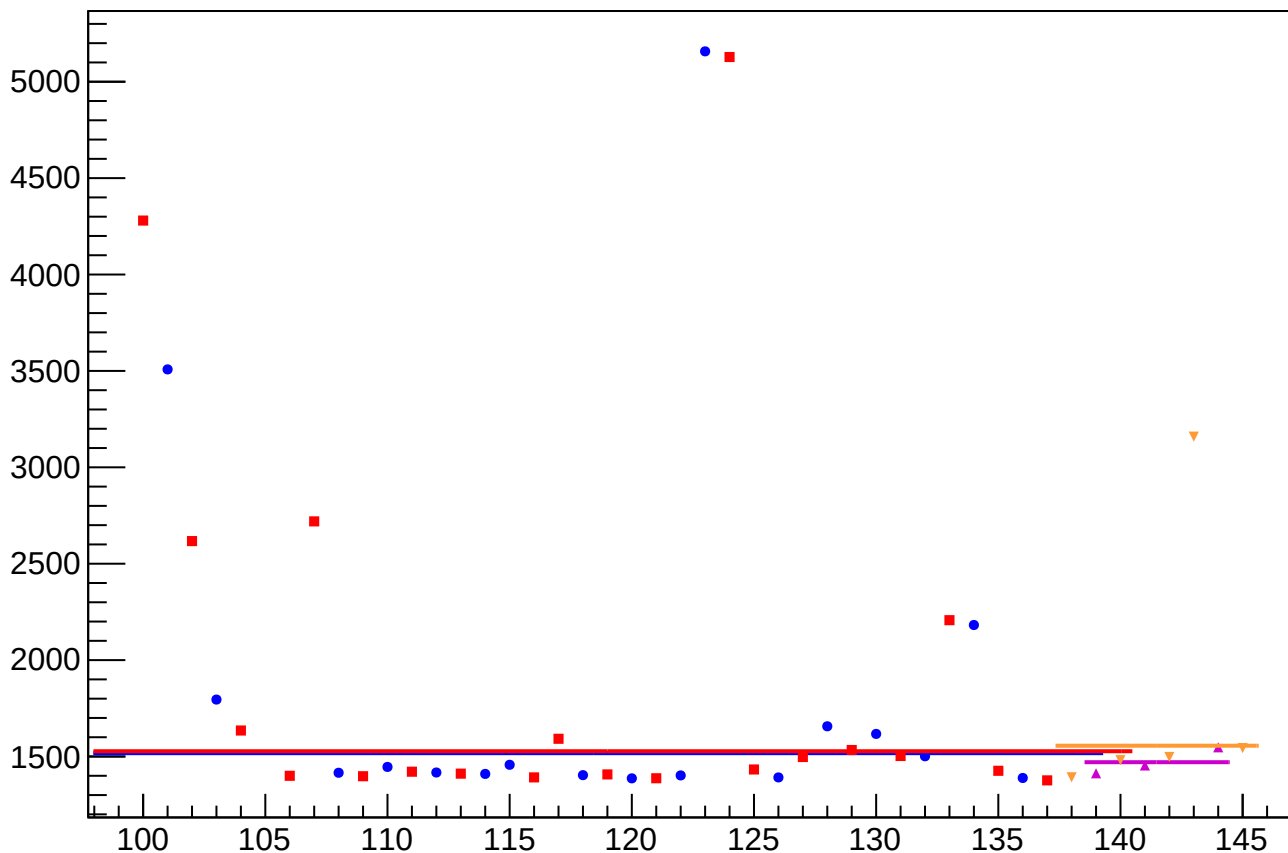
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 1145.420+/-946.176 χ^2/NDF : 5.8/2

-362.732+/-496.409 χ^2/NDF : 15.0/21

980.678+/-502.681 χ^2/NDF : 19.8/22

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1555.979+/-0.617 χ^2/NDF : 358372.2/4

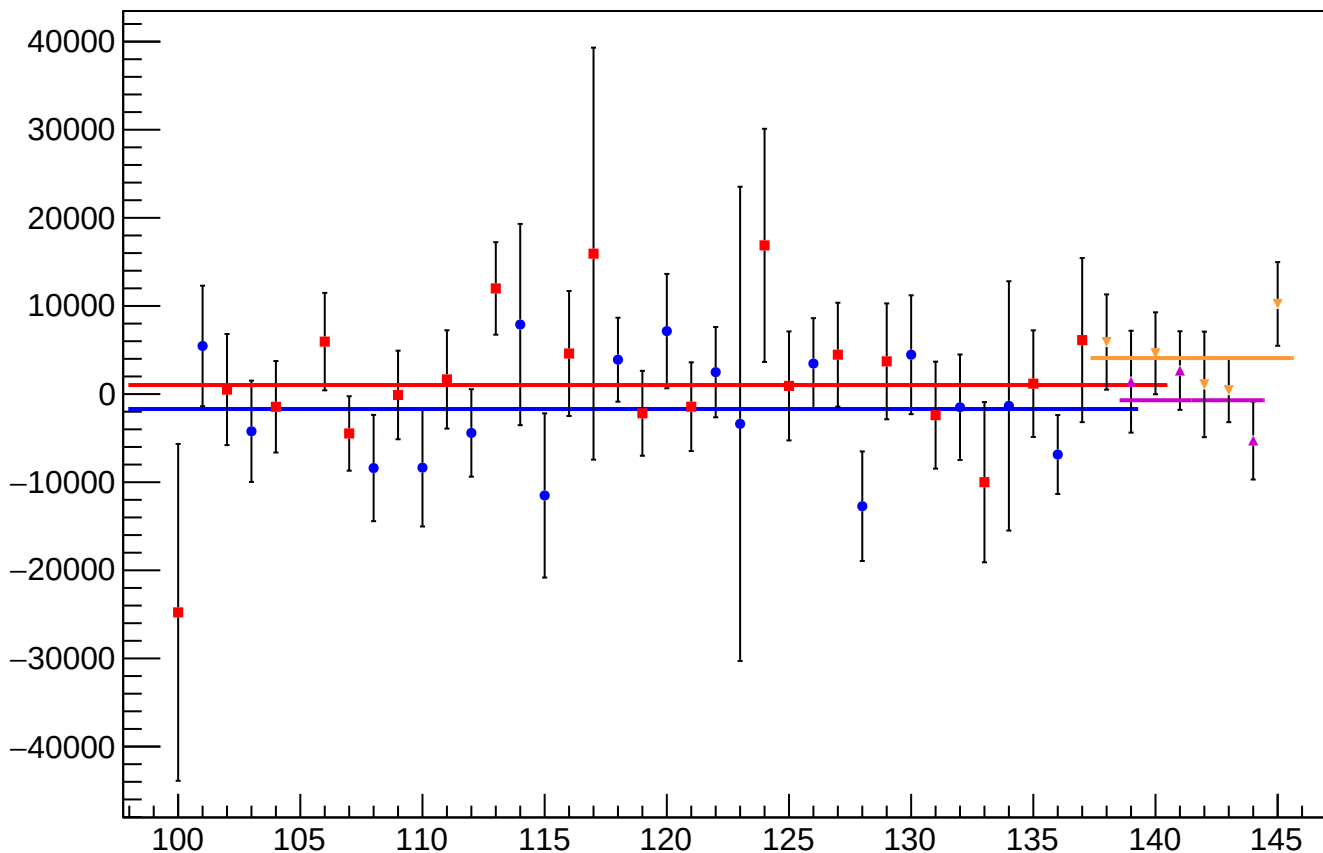
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1470.482+/-0.669 χ^2/NDF : 6866.3/2

1529.849+/-0.351 χ^2/NDF : 897689.0/21

1511.319+/-0.355 χ^2/NDF : 643877.8/22

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 4088.146 ± 2091.620 $\chi^2/\text{NDF}: 3.1/4$

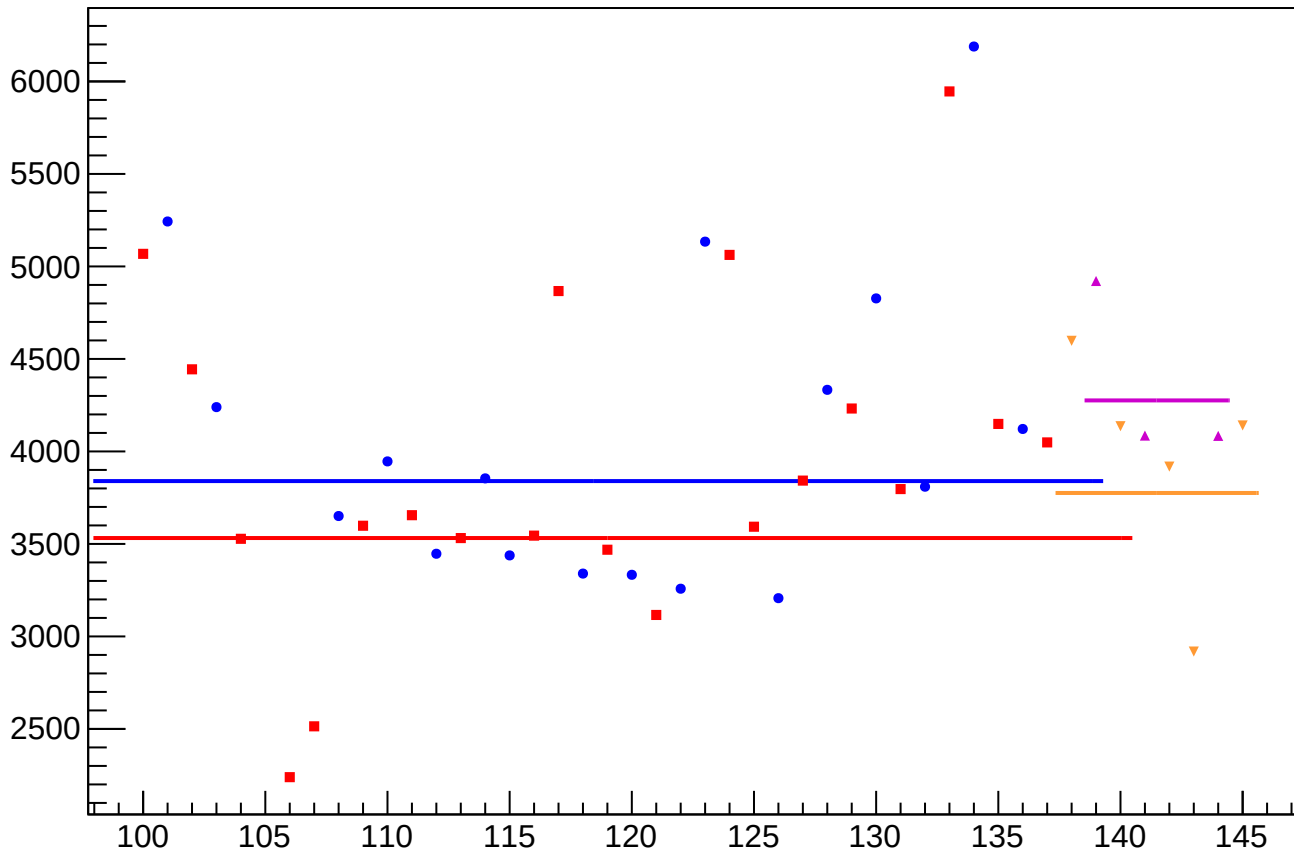
Right Out: 1029.768 ± 1376.481 $\chi^2/\text{NDF}: 14.3/19$

Left In: -699.761 ± 2761.341 $\chi^2/\text{NDF}: 1.8/2$

293.033 ± 1225.859 $\chi^2/\text{NDF}: 23.9/21$

685.541 ± 1231.909 $\chi^2/\text{NDF}: 16.4/22$

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3775.467+/-1.479 χ^2/NDF :182768.7/4

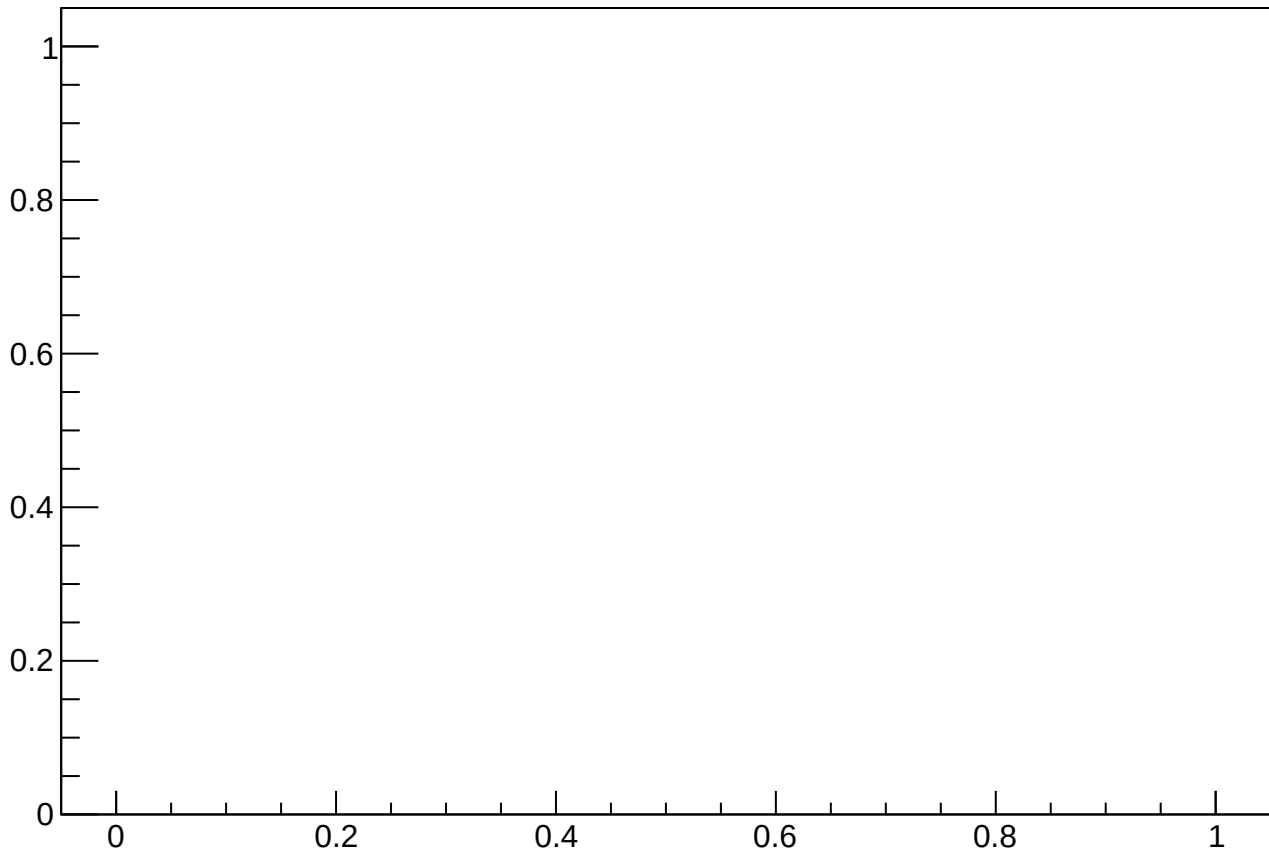
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4275.782+/-1.953 χ^2/NDF :32319.5/2

3817.671+/-0.867 χ^2/NDF : 509968.1/21

3677.793+/-0.865 χ^2/NDF : 710331.6/22

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

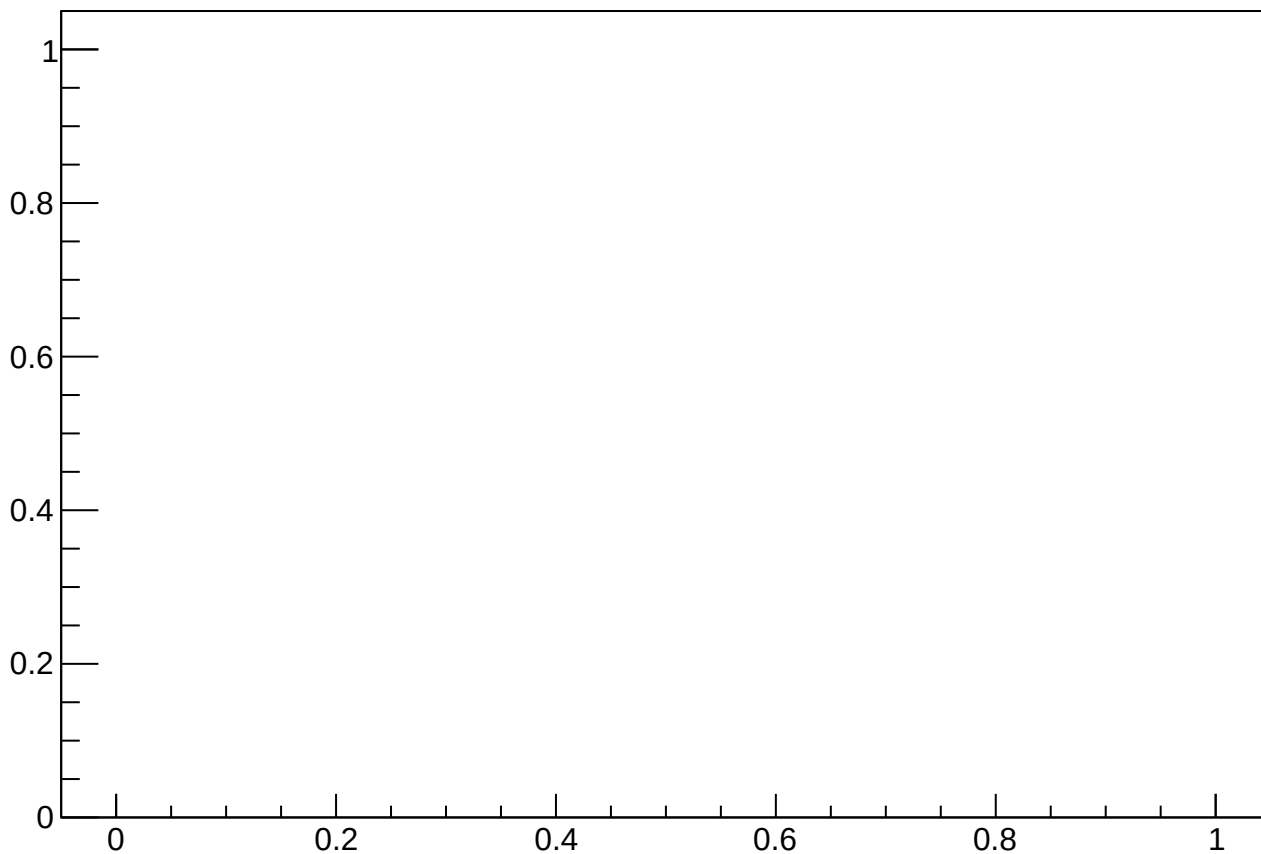
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

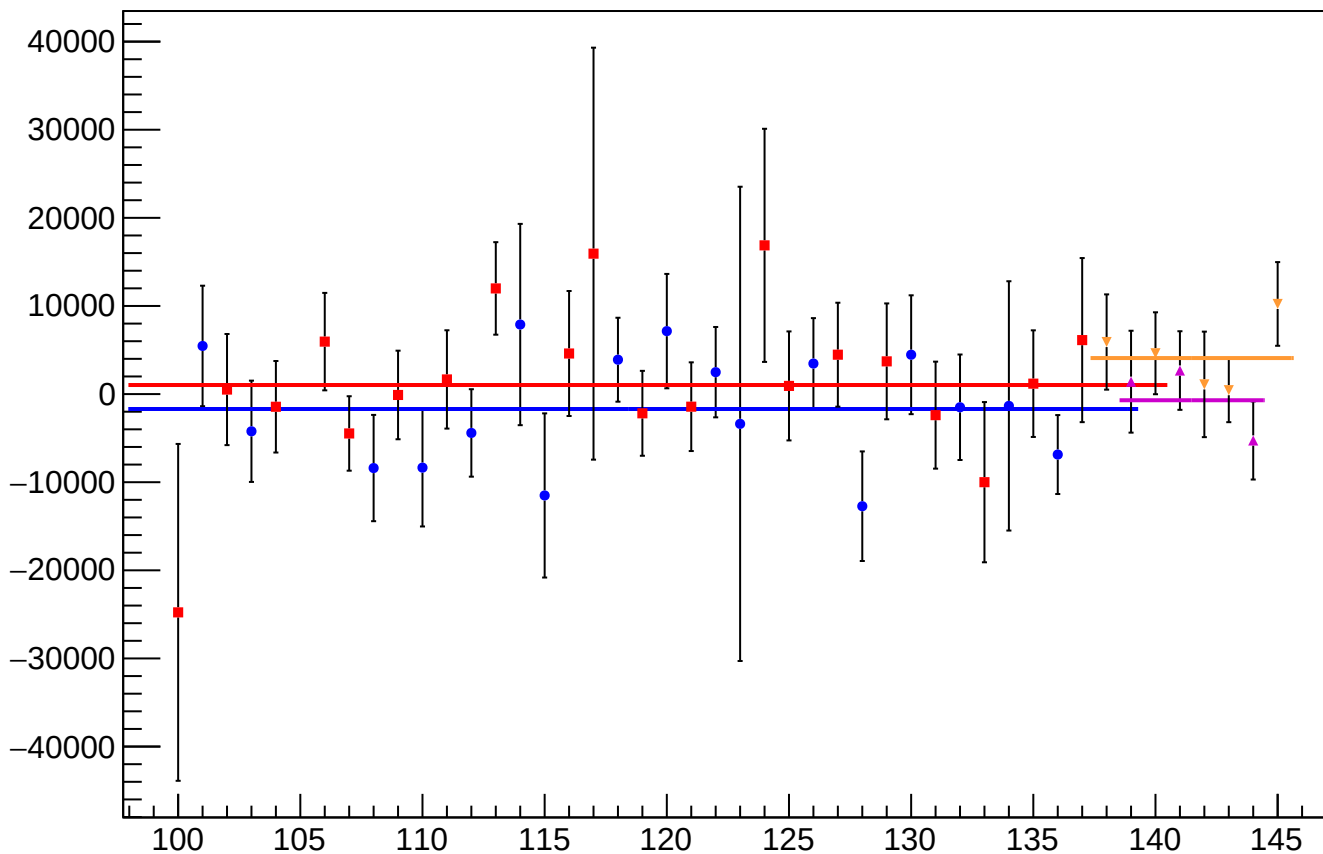
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 4088.146+/-2091.620 χ^2/NDF : 3.1/4

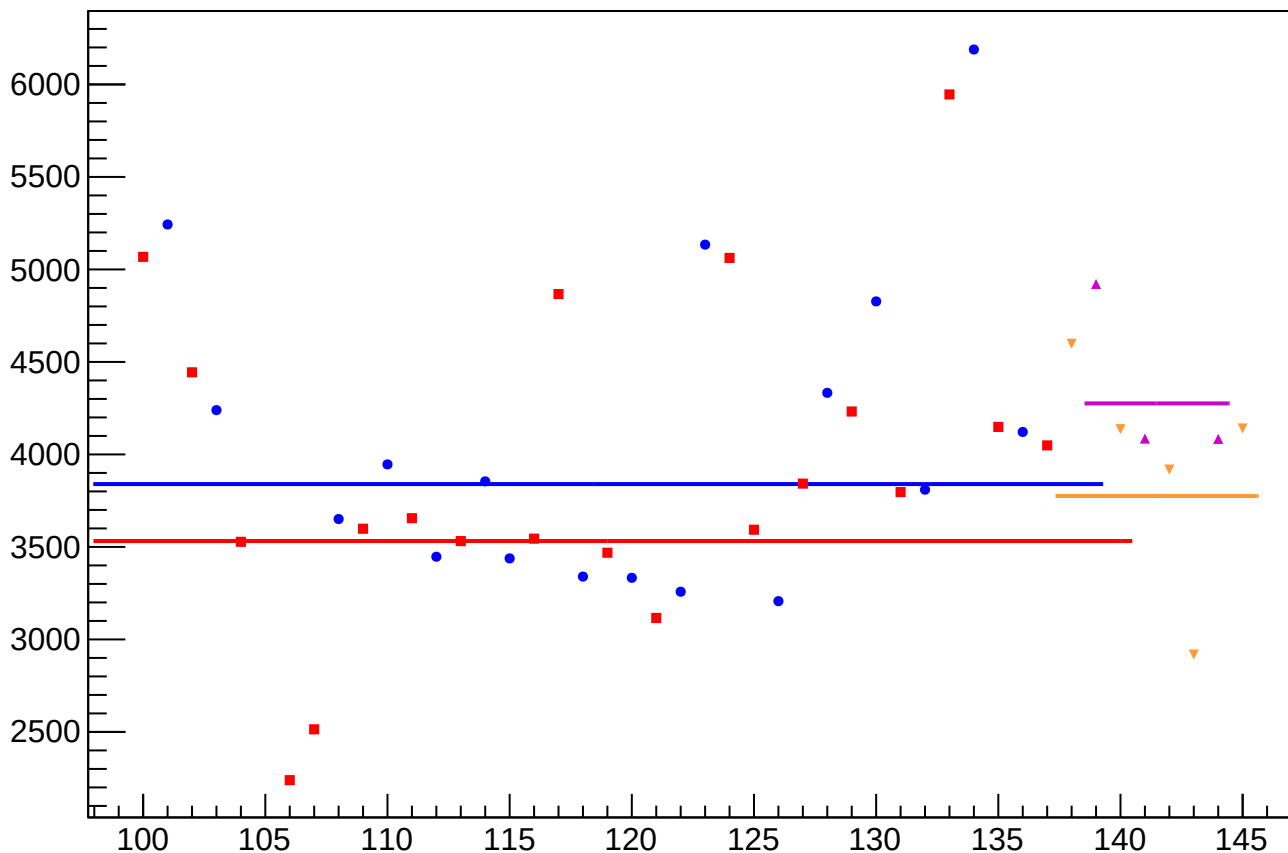
Right Out: 1029.768+/-1376.481 χ^2/NDF : 14.3/19

Left In: -699.761+/-2761.341 χ^2/NDF : 1.8/2

293.033+/-1225.859 χ^2/NDF : 23.9/21

685.541+/-1231.909 χ^2/NDF : 16.4/22

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3775.467+/-1.479 χ^2/NDF :182768.7/4

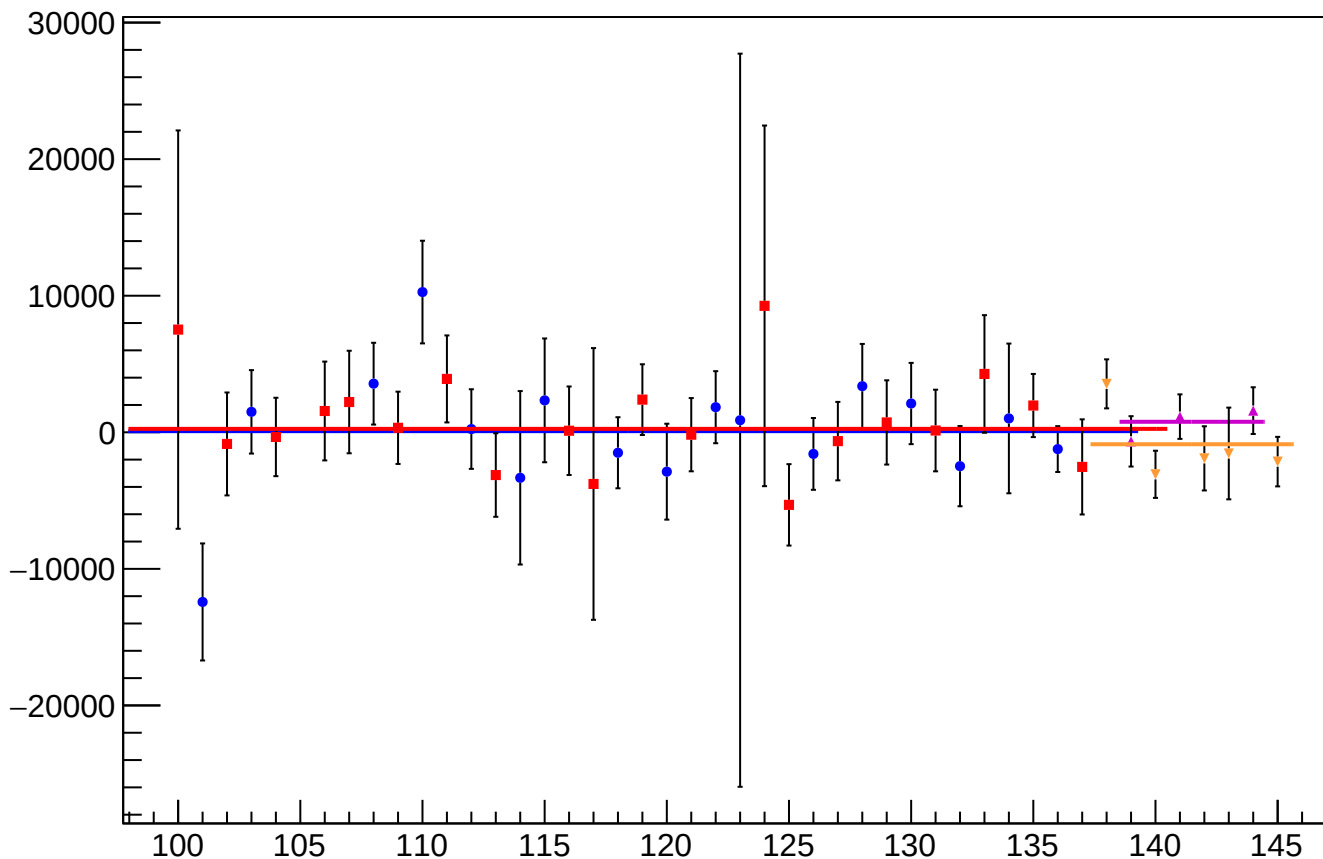
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4275.782+/-1.953 χ^2/NDF :32319.5/2

3817.671+/-0.867 χ^2/NDF : 509968.1/21

3677.793+/-0.865 χ^2/NDF : 710331.6/22

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -875.559+/-905.373 χ^2/NDF : 8.4/4

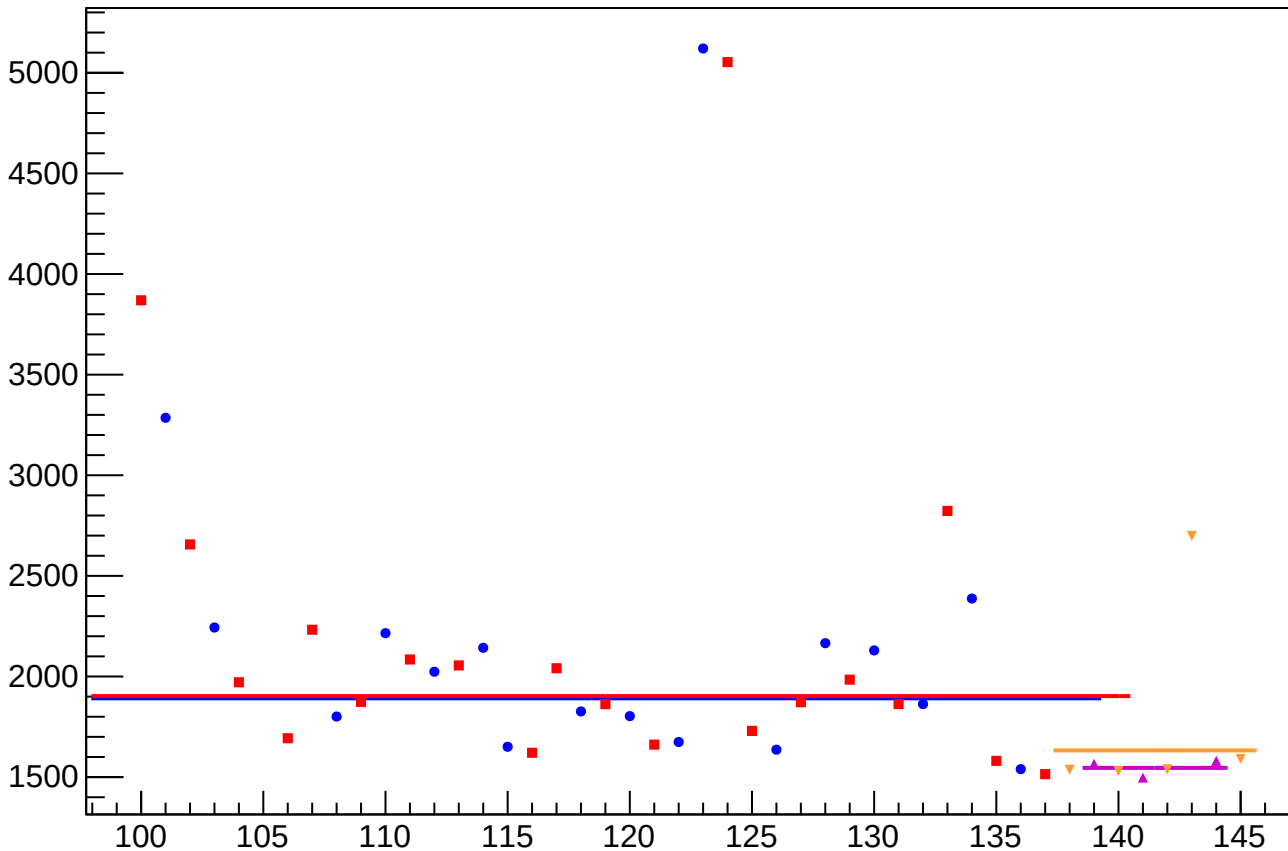
Right Out: 250.743+/-732.124 χ^2/NDF : 10.3/19

Left In: 769.269+/-994.013 χ^2/NDF : 0.9/2

-306.924+/-577.819 χ^2/NDF : 32.0/21

433.105+/-589.487 χ^2/NDF : 11.4/22

reg asym atl dd atr dd dd rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1632.776+/-0.640 χ^2/NDF :218544.3/4

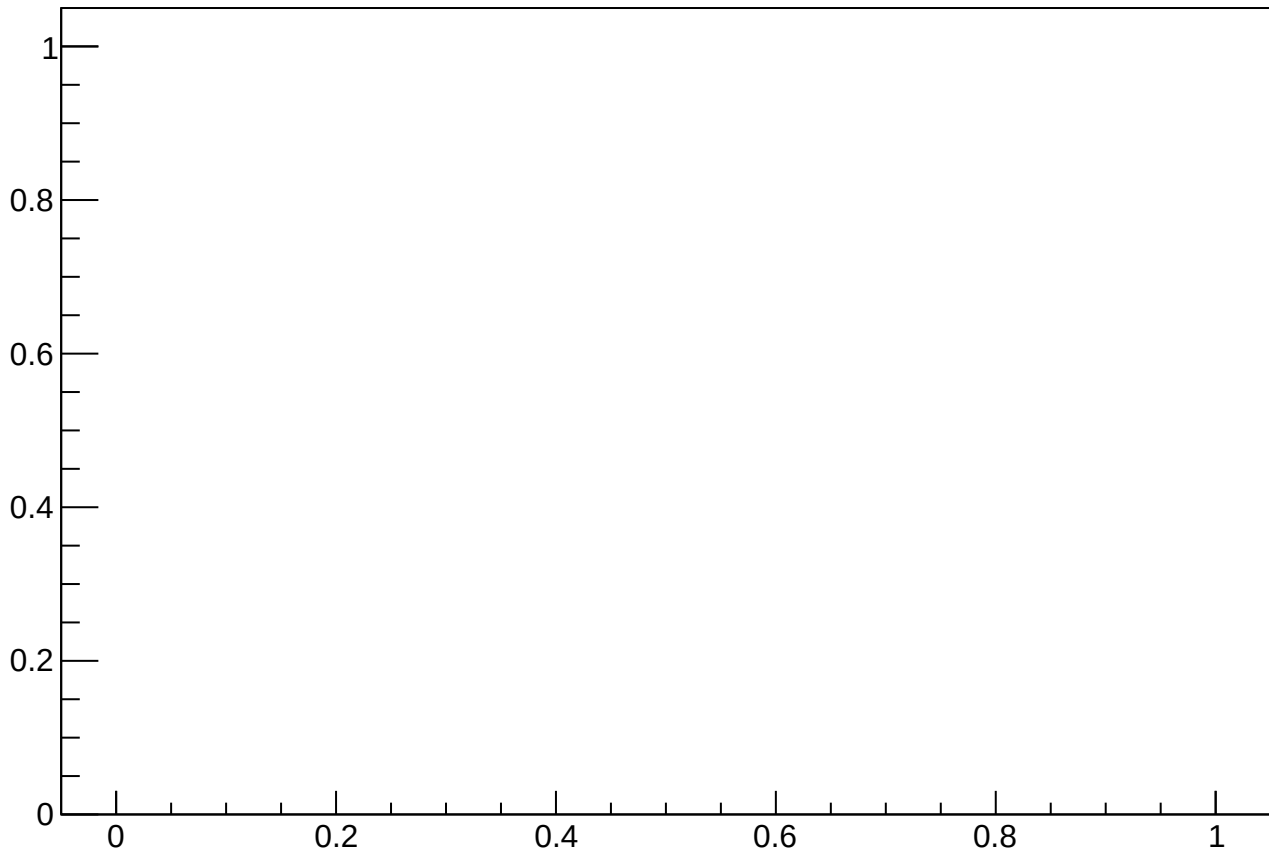
Right Out: 1902.551 ± 0.518 χ^2/NDF : 461077.0/19

Left In: 1545.828+/-0.703 χ^2/NDF :2835.7/2

1786.115+/-0.409 χ^2/NDF : 779835.8/21

1777.096+/-0.417 χ^2/NDF : 630903.4/22

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

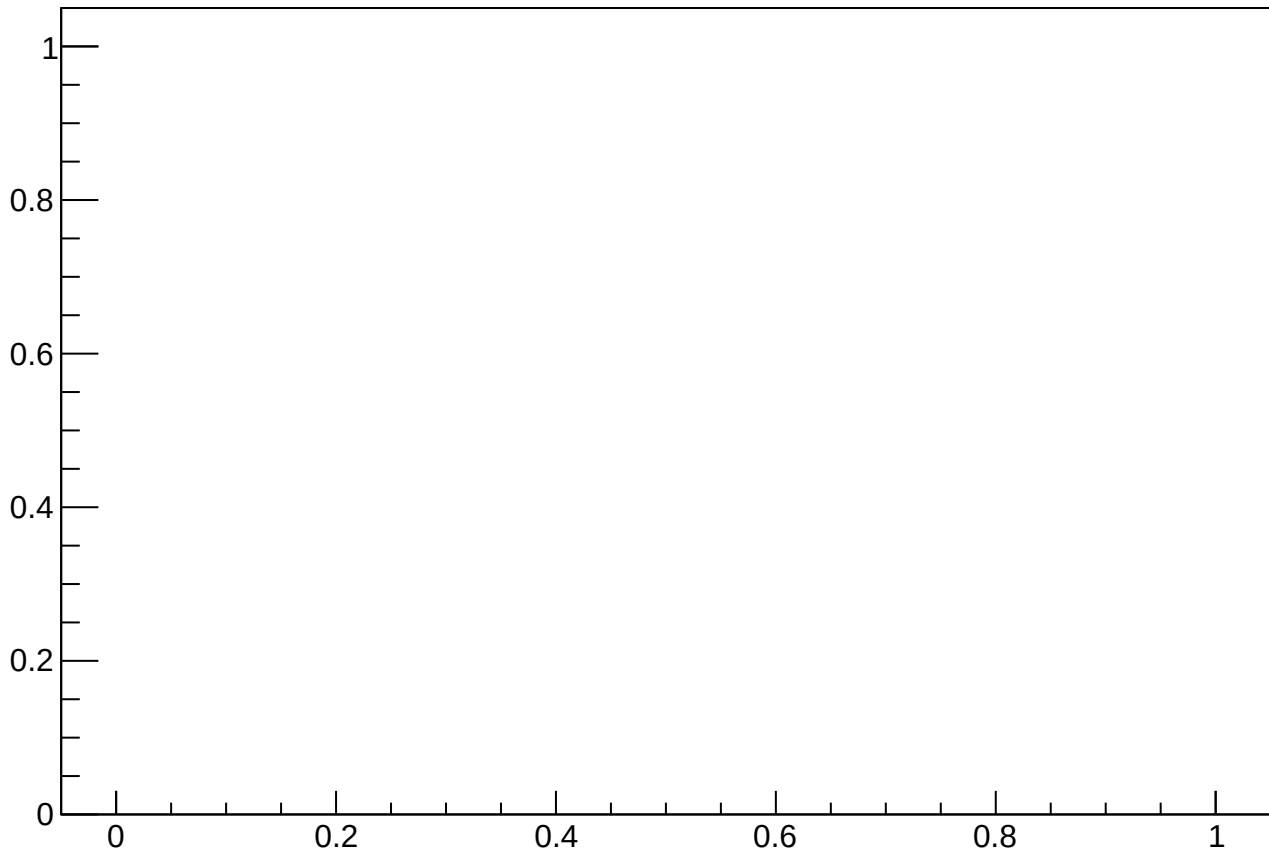
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

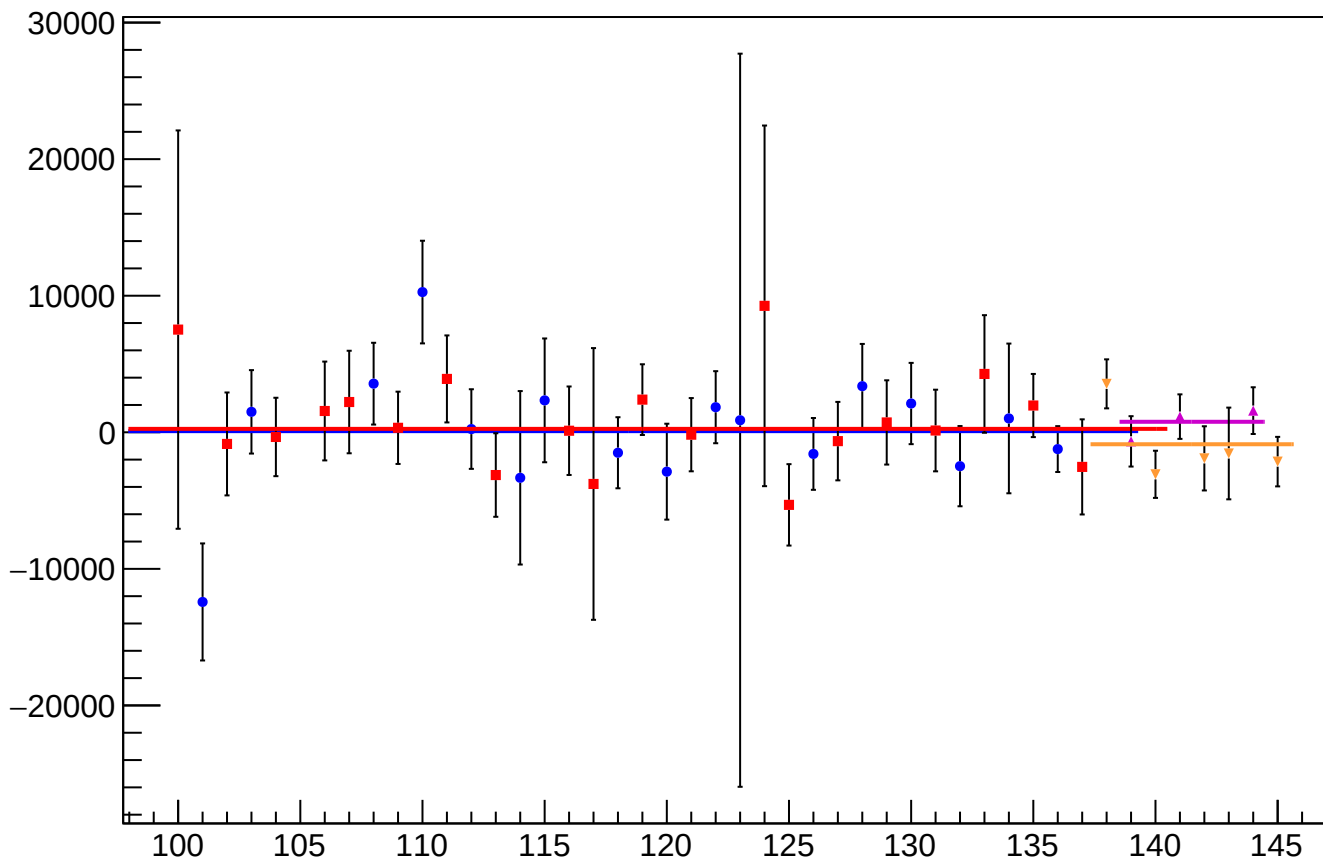
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -875.559+/-905.373 χ^2/NDF : 8.4/4

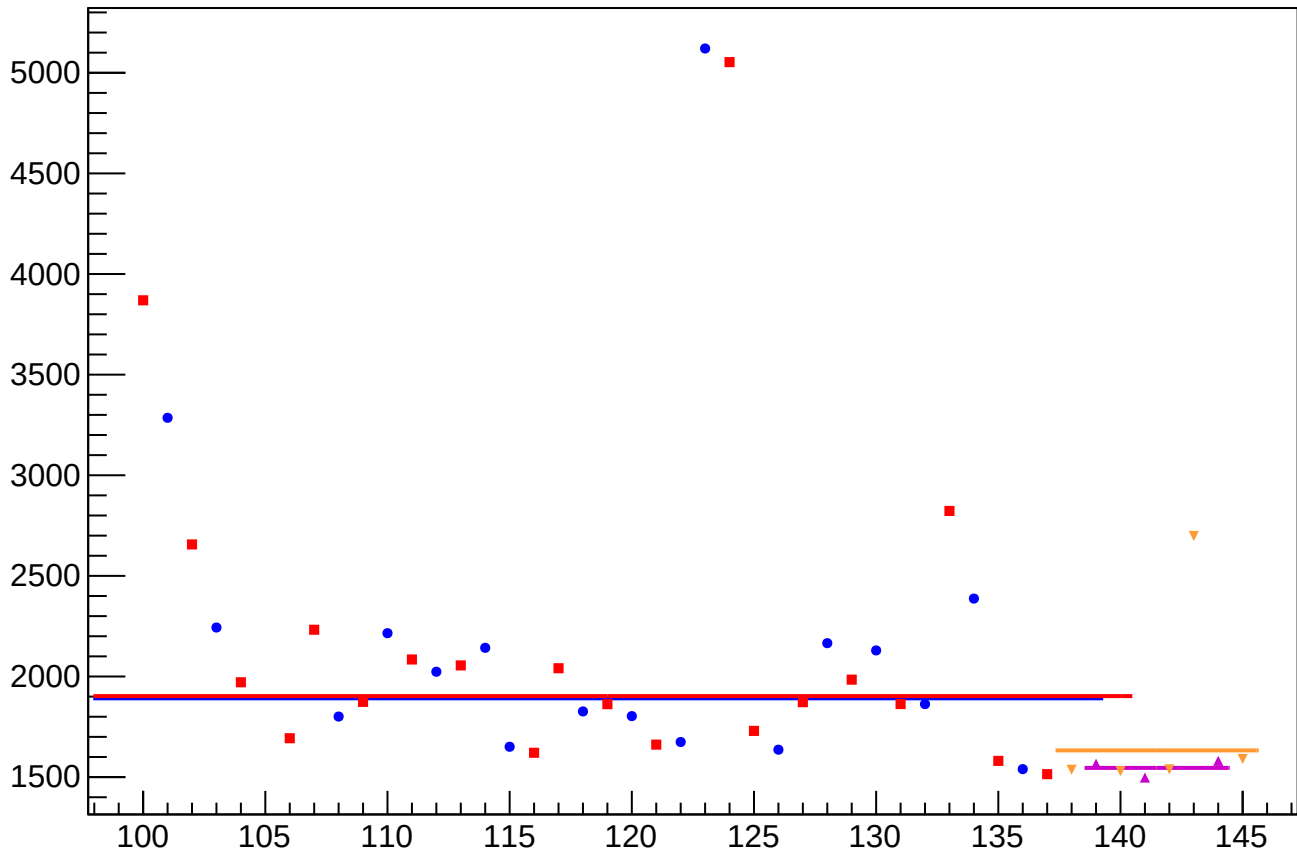
Right Out: 250.743+/-732.124 χ^2/NDF : 10.3/19

Left In: 769.269+/-994.013 χ^2/NDF : 0.9/2

-306.924+/-577.819 χ^2/NDF : 32.0/21

433.105+/-589.487 χ^2/NDF : 11.4/22

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1632.776+/-0.640 χ^2/NDF : 218544.3/4

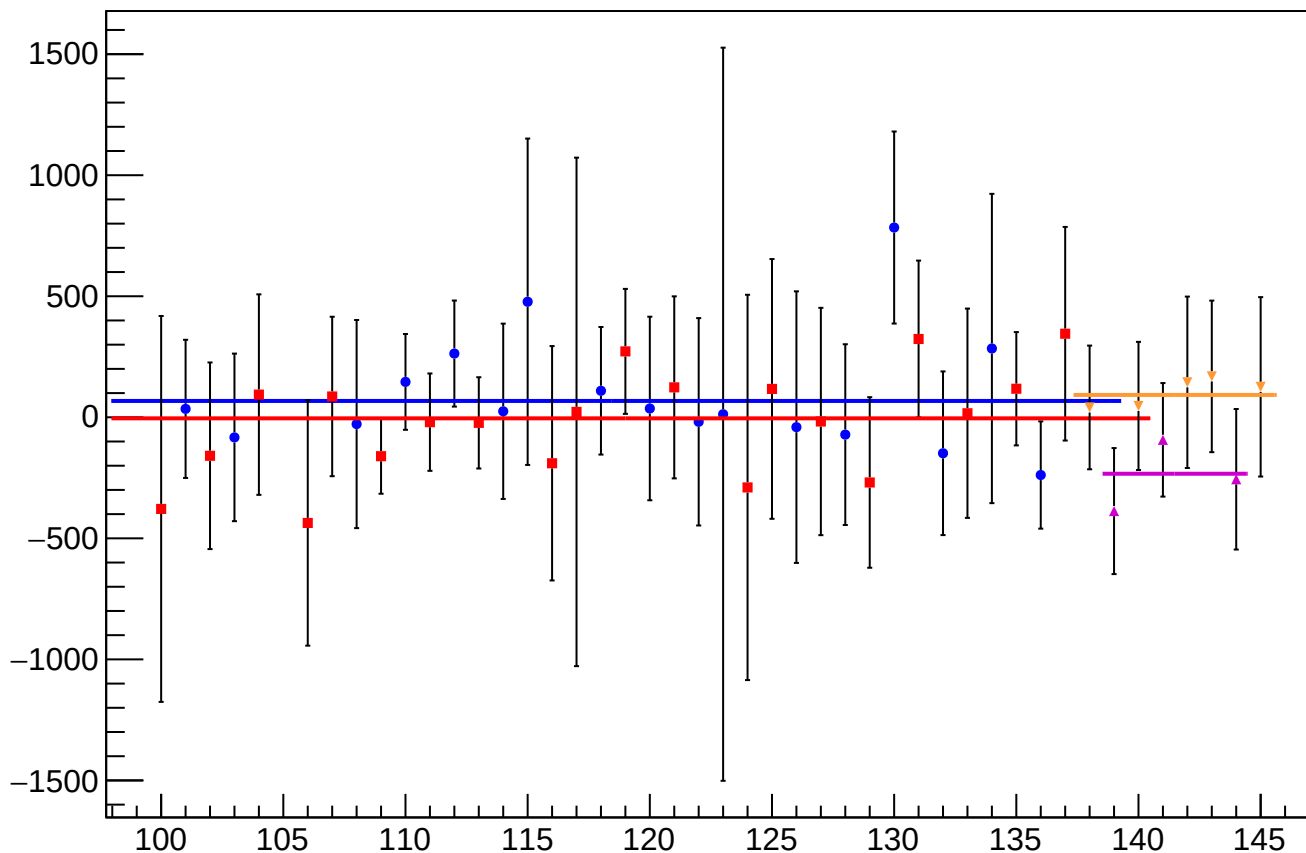
1786.115+/-0.409 χ^2/NDF : 779835.8/21

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

1777.096+/-0.417 χ^2/NDF : 630903.4/22

Left In: 1545.828+/-0.703 χ^2/NDF : 2835.7/2

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542 ± 79.608 $\chi^2/\text{NDF}: 7.5/16$

Left Out: 92.390 ± 134.767 $\chi^2/\text{NDF}: 0.2/4$

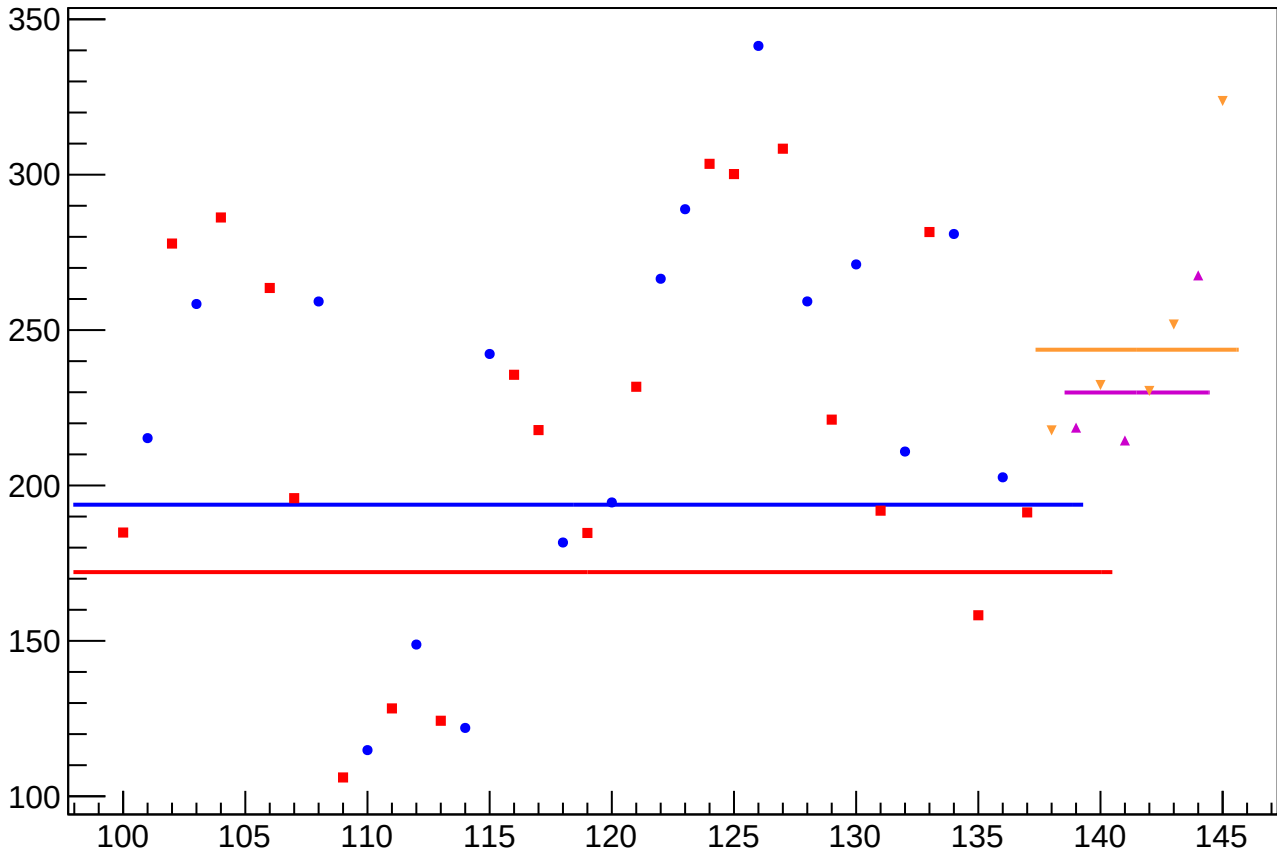
Right Out: -4.305 ± 69.854 $\chi^2/\text{NDF}: 6.4/19$

Left In: -233.179 ± 149.387 $\chi^2/\text{NDF}: 0.7/2$

73.969 ± 68.543 $\chi^2/\text{NDF}: 7.7/21$

-45.370 ± 63.278 $\chi^2/\text{NDF}: 9.0/22$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815+/-0.056 χ^2/NDF : 1010325.5/16

Left Out: 243.685+/-0.095 χ^2/NDF :121754.4/4

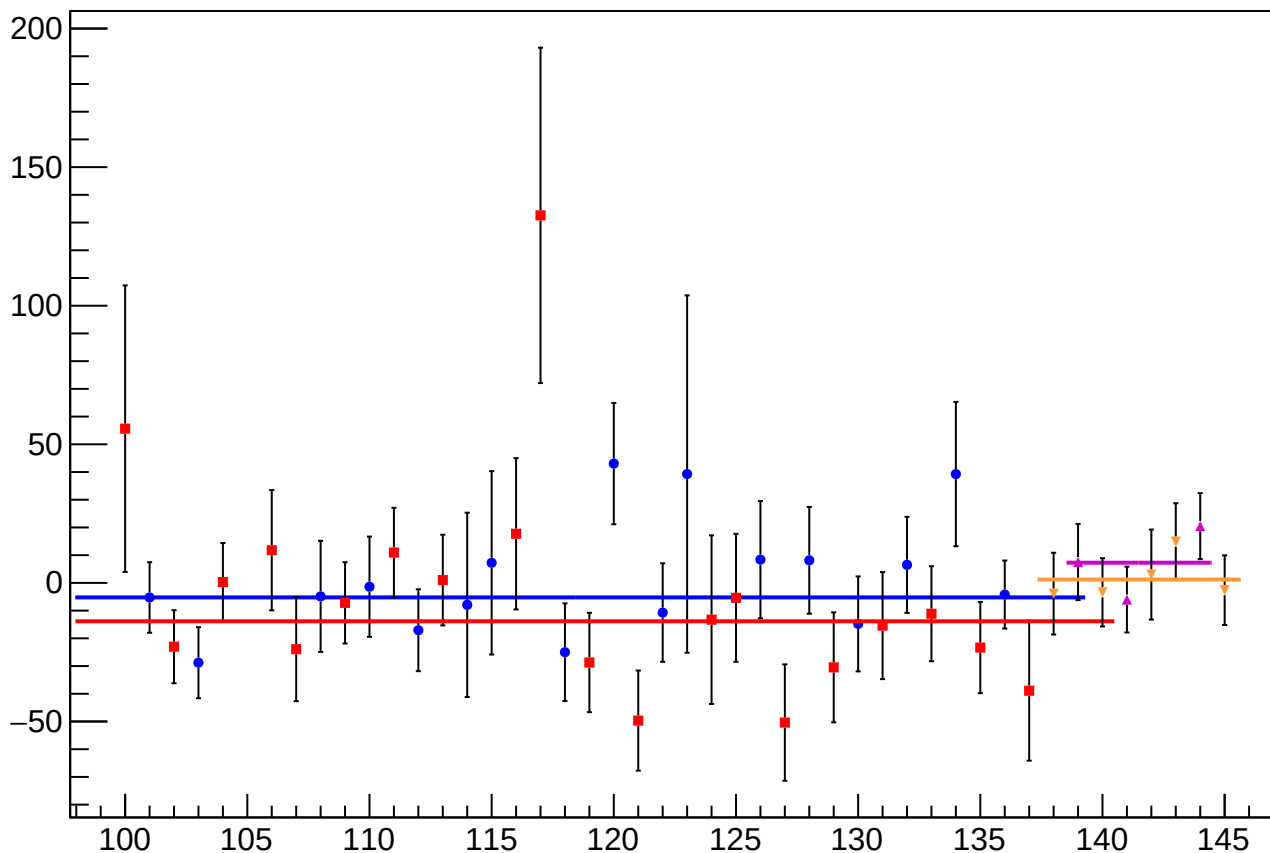
Right Out: 172.123+/-0.049 χ^2/NDF : 1580879.9/19

Left In: 229.916+/-0.106 χ^2/NDF :46138.2/2

206.715+/-0.048 χ^2/NDF : 1335100.4/21

182.493+/-0.045 χ^2/NDF : 1872648.5/22

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

-3.073 ± 3.552 χ^2/NDF : 17.6/21

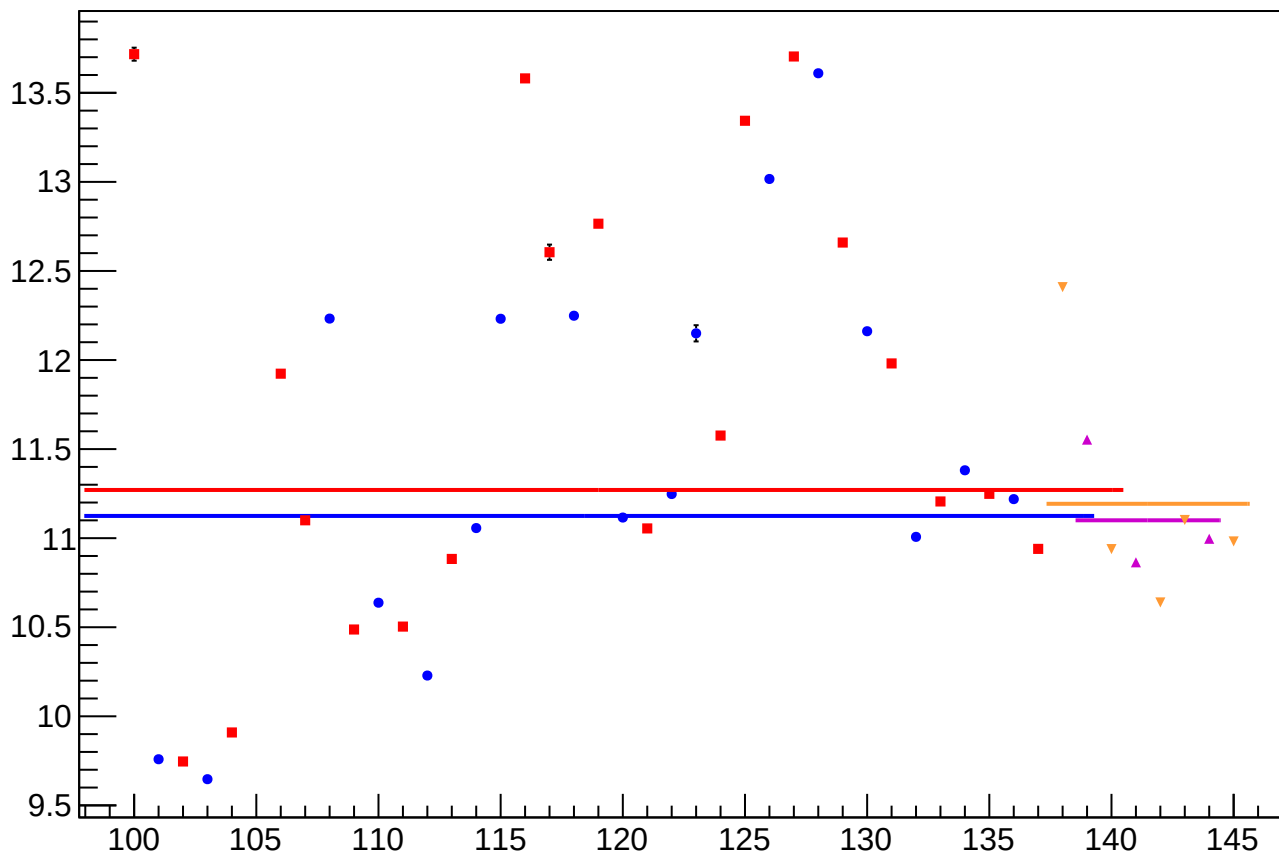
Left Out: 1.211 ± 6.138 χ^2/NDF : 1.3/4

-8.349 ± 3.659 χ^2/NDF : 34.3/22

Right Out: -13.851 ± 4.255 χ^2/NDF : 25.4/19

Left In: 7.285 ± 7.171 χ^2/NDF : 2.5/2

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125 ± 0.003 χ^2/NDF : 132520.1/16

Left Out: 11.193 ± 0.004 χ^2/NDF : 17431.5/4

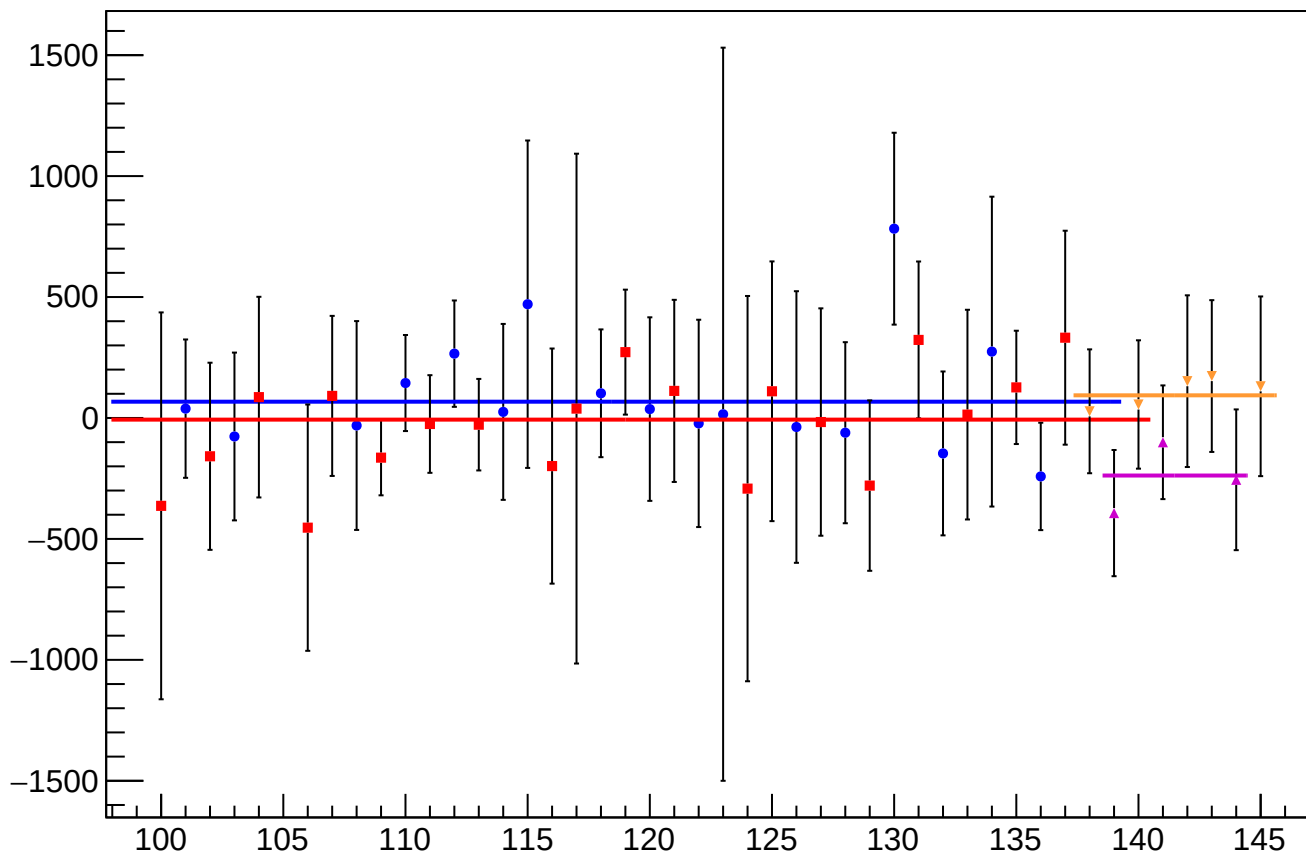
Right Out: 11.271 ± 0.003 χ^2/NDF : 148711.4/19

Left In: 11.100 ± 0.005 χ^2/NDF : 3117.1/2

11.148 ± 0.003 χ^2/NDF : 150115.4/21

11.226 ± 0.003 χ^2/NDF : 152662.7/22

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 93.634+/-135.089 χ^2/NDF : 0.2/4

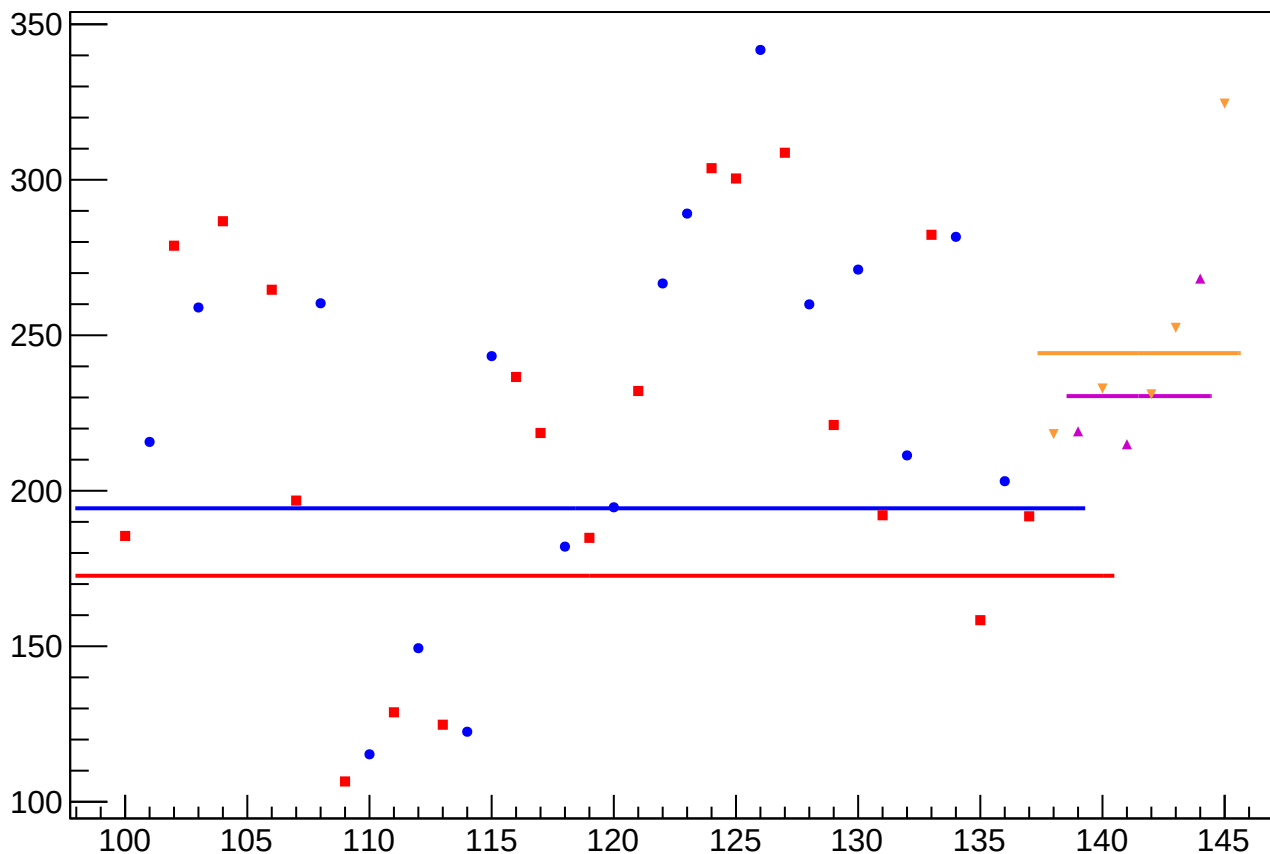
Right Out: -6.837+/-70.057 χ^2/NDF : 6.4/19

Left In: -237.953+/-149.731 χ^2/NDF : 0.7/2

74.118+/-68.719 χ^2/NDF : 7.7/21

-48.345+/-63.455 χ^2/NDF : 9.1/22

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365+/-0.056 χ^2/NDF : 1005234.4/16

Left Out: 244.266+/-0.096 χ^2/NDF :121800.6/4

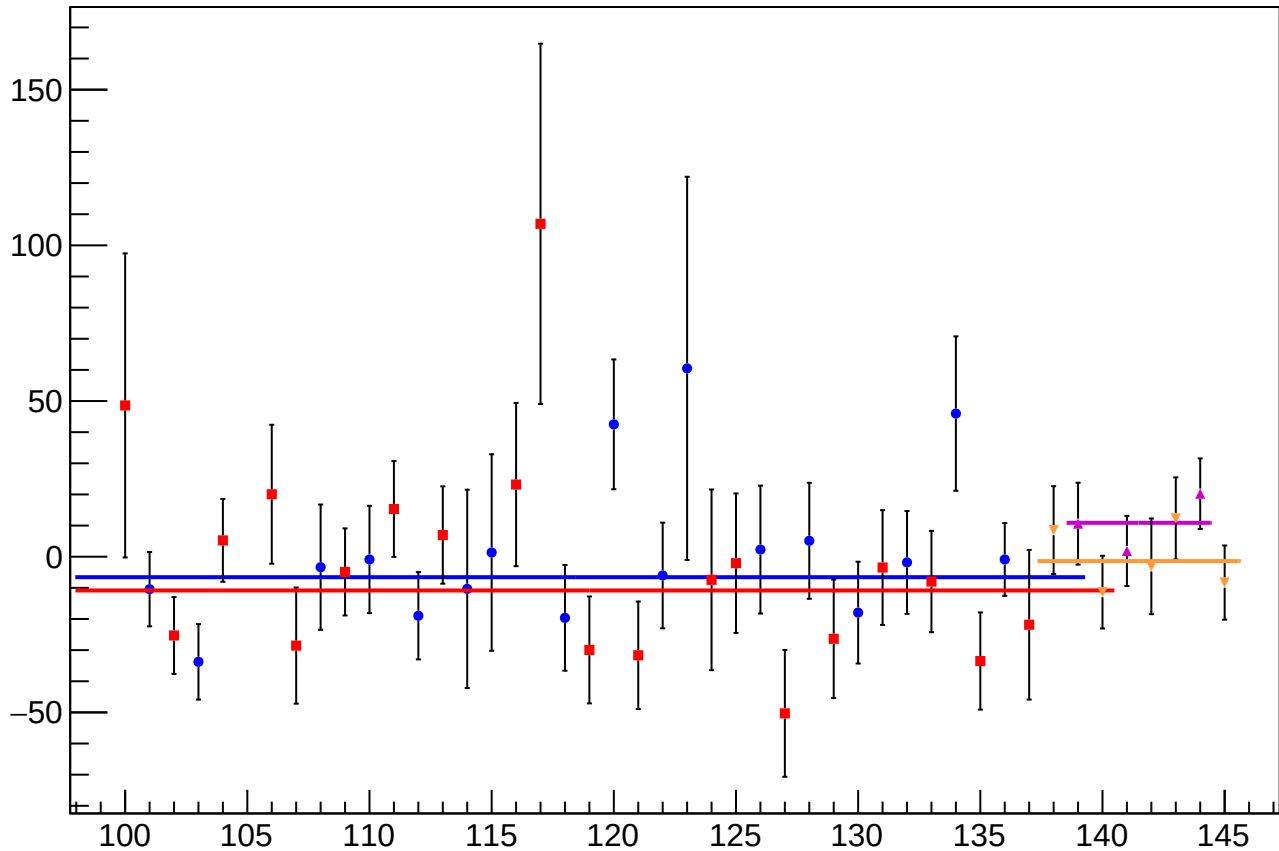
Right Out: 172.675+/-0.050 χ^2/NDF : 1573459.1/19

Left In: 230.444+/-0.106 χ^2/NDF :46174.8/2

207.278+/-0.049 χ^2/NDF : 1329314.4/21

183.050+/-0.045 χ^2/NDF : 1863879.0/22

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575+/-4.157 χ^2/NDF : 19.3/16

Left Out: -1.402+/-5.832 χ^2/NDF : 2.7/4

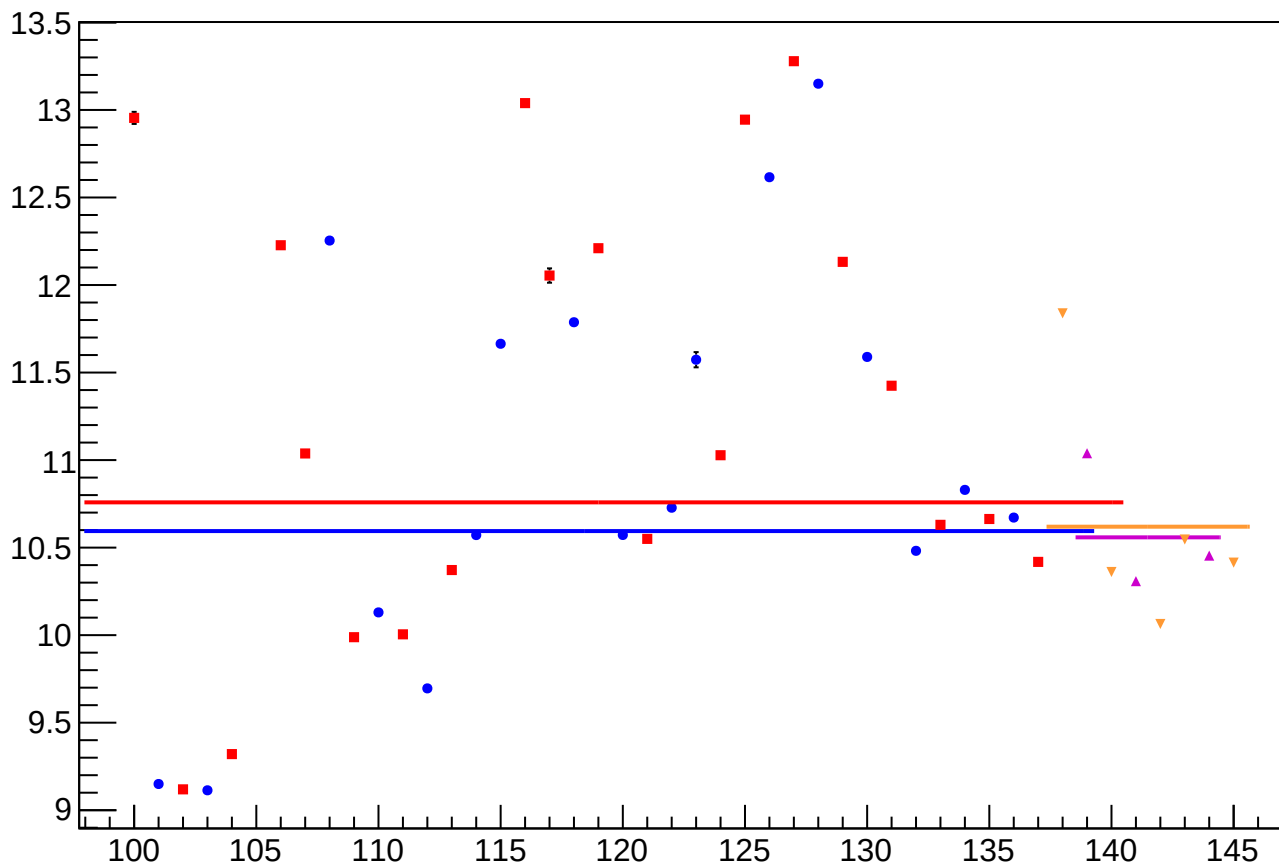
Right Out: -10.838+/-4.070 χ^2/NDF : 27.1/19

Left In: 10.888+/-6.830 χ^2/NDF : 1.3/2

-4.833+/-3.385 χ^2/NDF : 22.5/21

-5.145+/-3.496 χ^2/NDF : 35.9/22

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.620 $\pm$ 0.004 χ^2 /NDF:19170.4/4

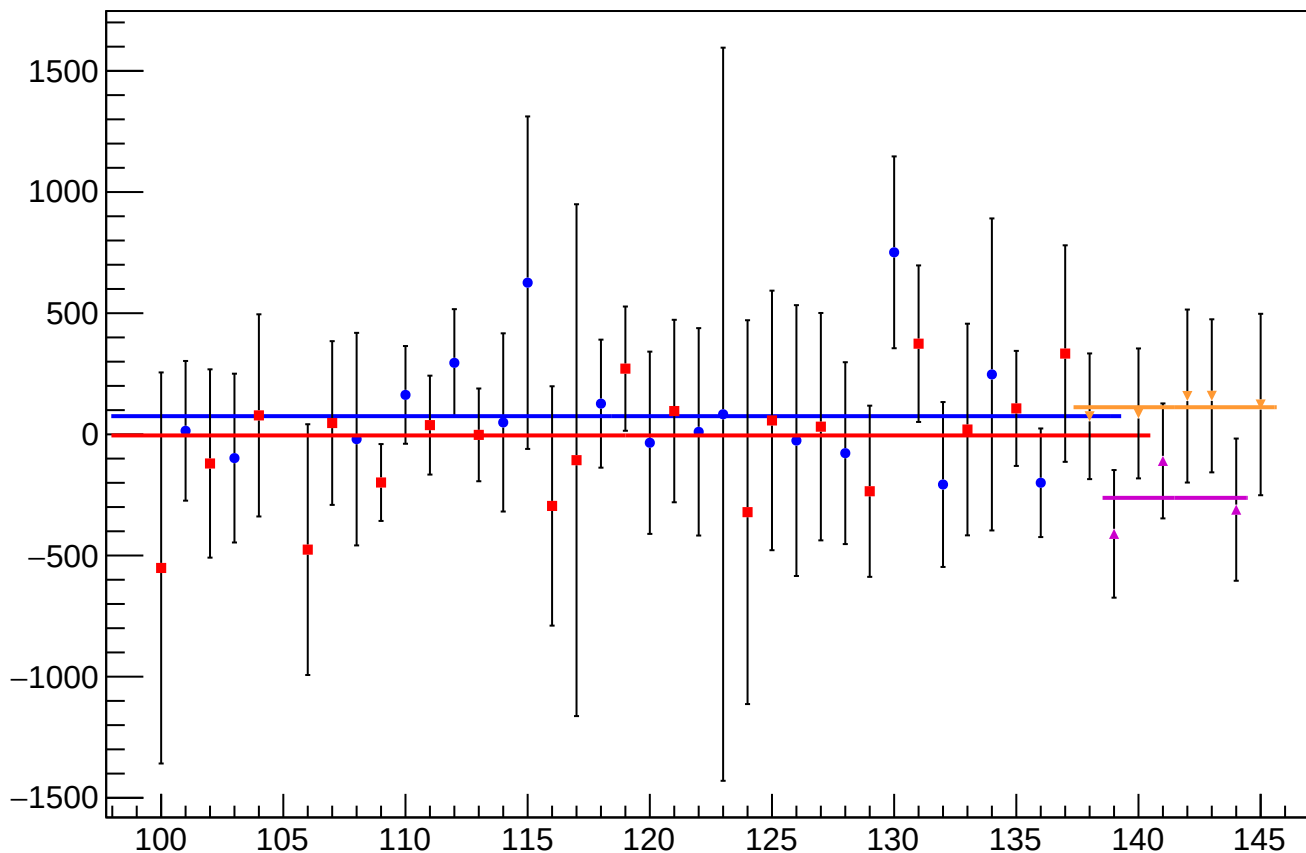
Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 178180.9/19

Left In: 10.559 $\pm$ 0.005 χ^2 /NDF:3827.3/2

10.603 $\pm$ 0.002 χ^2 /NDF: 179254.0/21

10.706 $\pm$ 0.002 χ^2 /NDF: 183272.2/22

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086+/-80.352 χ^2/NDF : 7.7/16

Left Out: 112.001+/-136.357 χ^2/NDF : 0.1/4

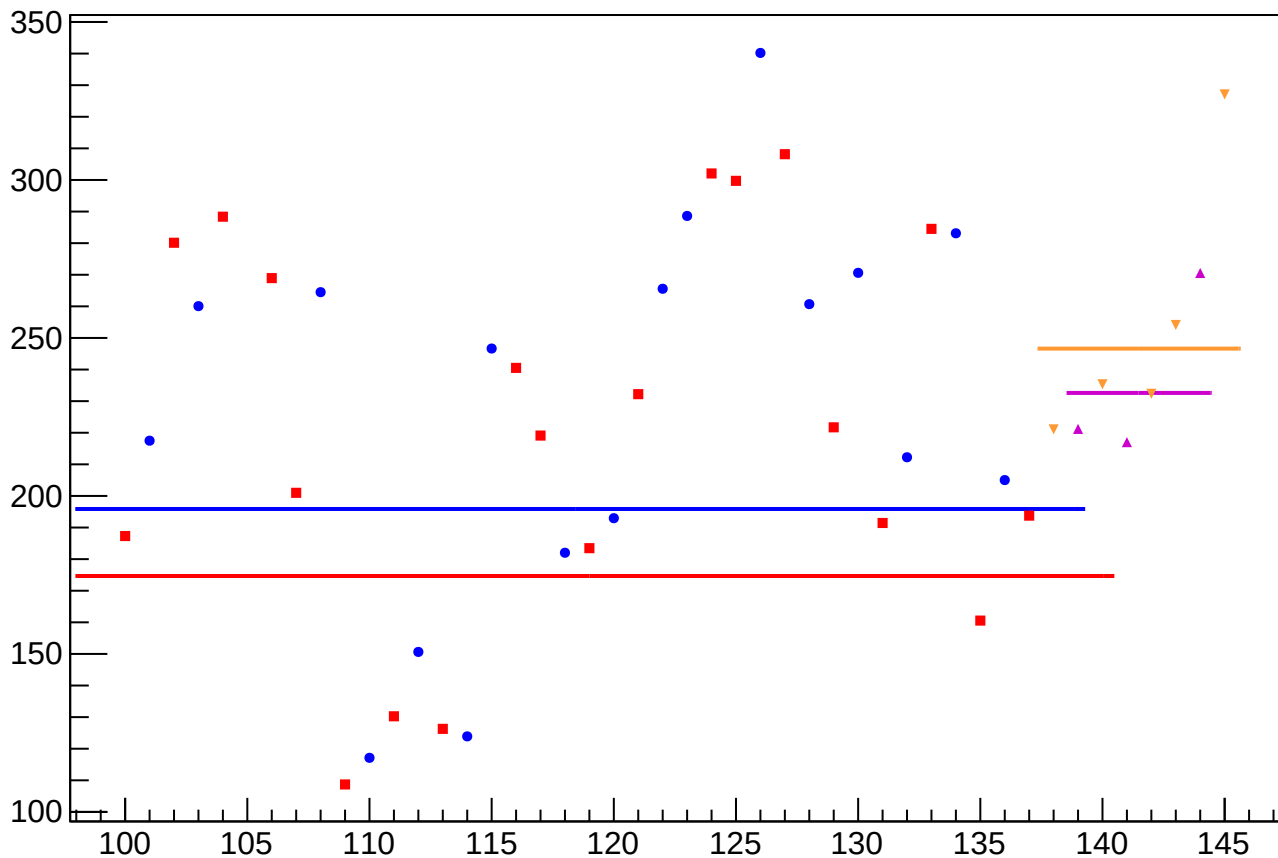
Right Out: -4.459+/-70.724 χ^2/NDF : 7.3/19

Left In: -262.041+/-151.109 χ^2/NDF : 0.8/2

84.601+/-69.226 χ^2/NDF : 7.8/21

-50.745+/-64.055 χ^2/NDF : 10.5/22

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 246.624 $\pm$ 0.096 χ^2 /NDF:119667.6/4

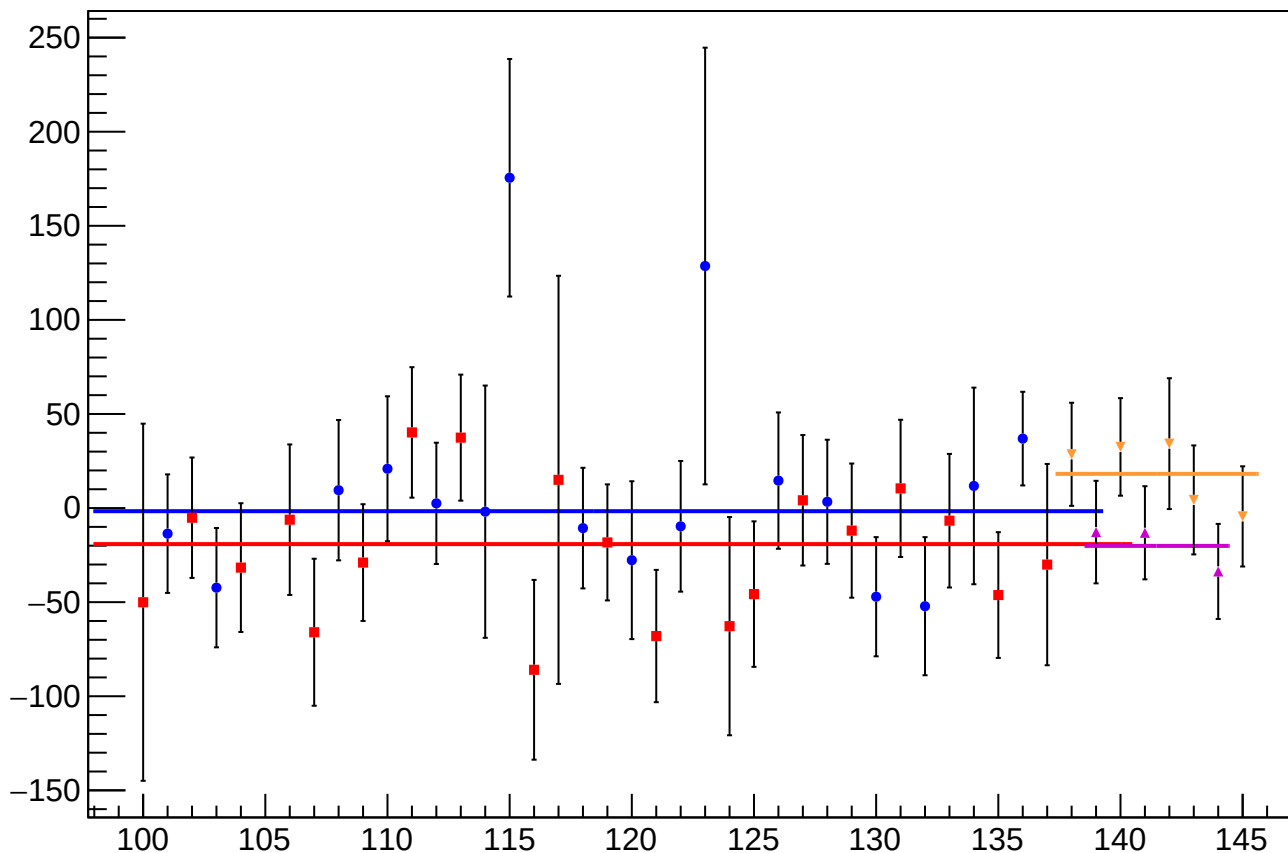
208.951 $\pm$ 0.049 χ^2 /NDF: 1304595.7/21

Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

185.076 $\pm$ 0.045 χ^2 /NDF: 1819337.9/22

Left In: 232.602 $\pm$ 0.107 χ^2 /NDF:45823.7/2

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 $\chi^2/\text{NDF}: 18.5/16$

Left Out: 18.185 ± 12.648 $\chi^2/\text{NDF}: 1.6/4$

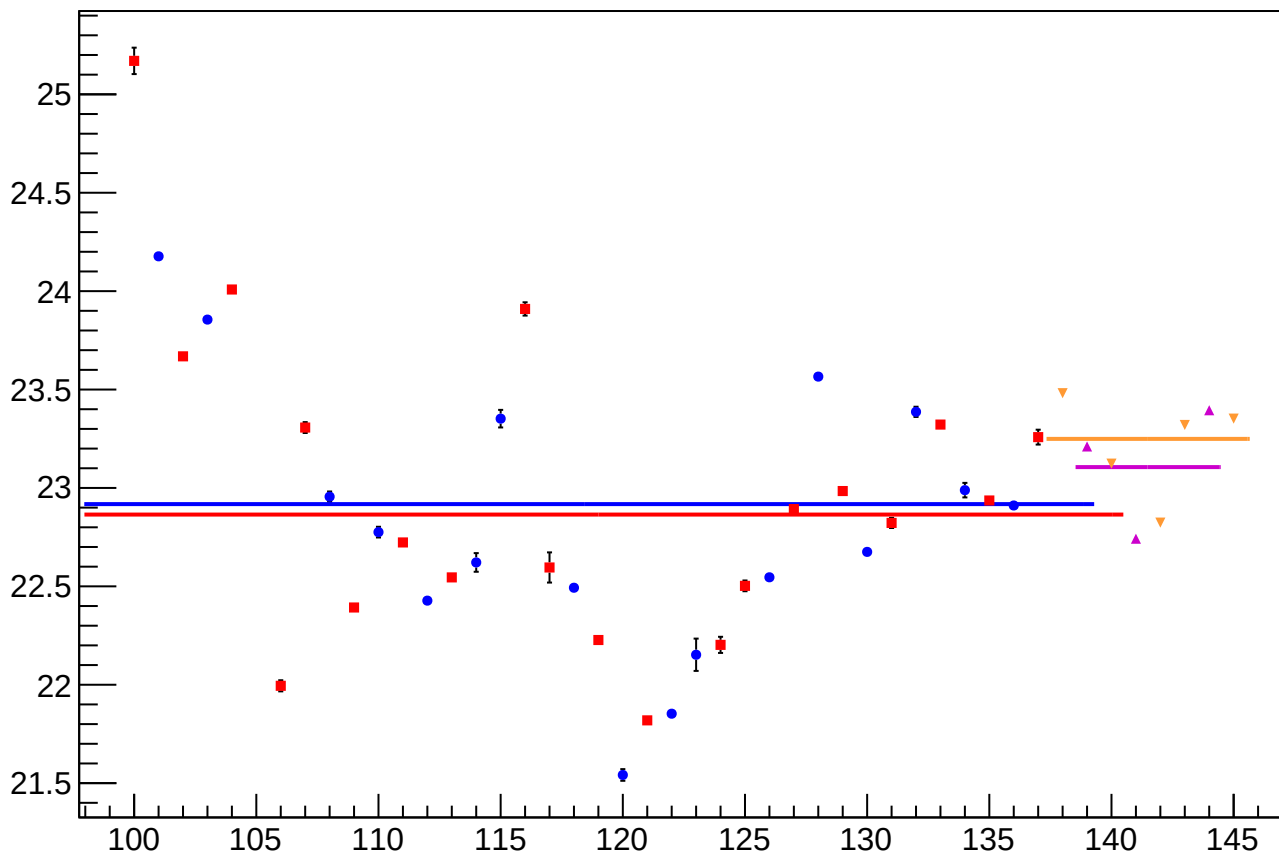
Right Out: -19.145 ± 8.529 $\chi^2/\text{NDF}: 14.9/19$

Left In: -20.102 ± 14.831 $\chi^2/\text{NDF}: 0.4/2$

4.897 ± 7.268 $\chi^2/\text{NDF}: 21.8/21$

-19.383 ± 7.394 $\chi^2/\text{NDF}: 15.3/22$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918+/-0.006 χ^2/NDF : 11472.2/16

Left Out: 23.249+/-0.009 χ^2/NDF : 532.0/4

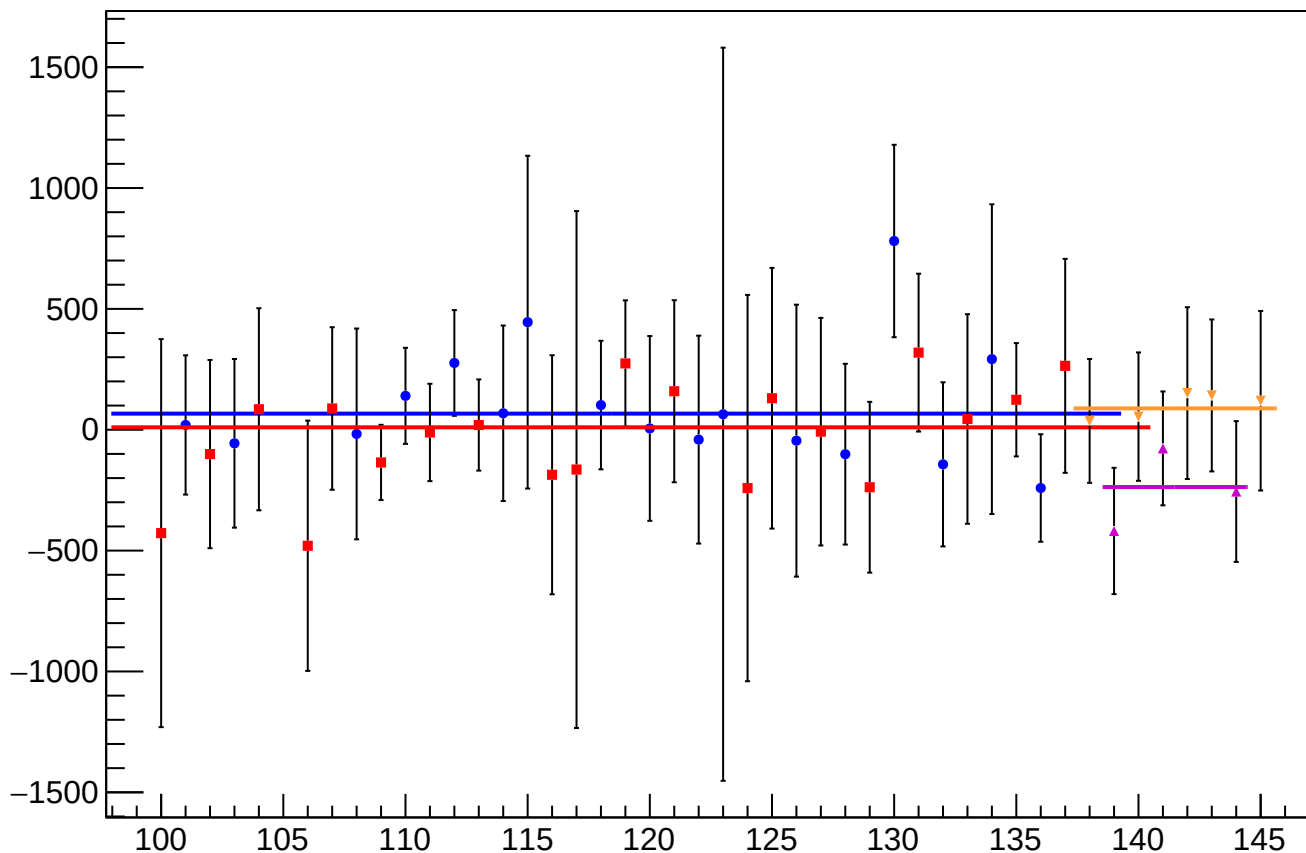
Right Out: 22.865+/-0.006 χ^2/NDF : 11064.9/19

Left In: 23.106+/-0.010 χ^2/NDF : 723.5/2

23.027+/-0.005 χ^2/NDF : 12924.0/21

22.925+/-0.005 χ^2/NDF : 12186.0/22

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701+/-79.995 χ^2/NDF : 7.5/16

Left Out: 88.365+/-135.200 χ^2/NDF : 0.1/4

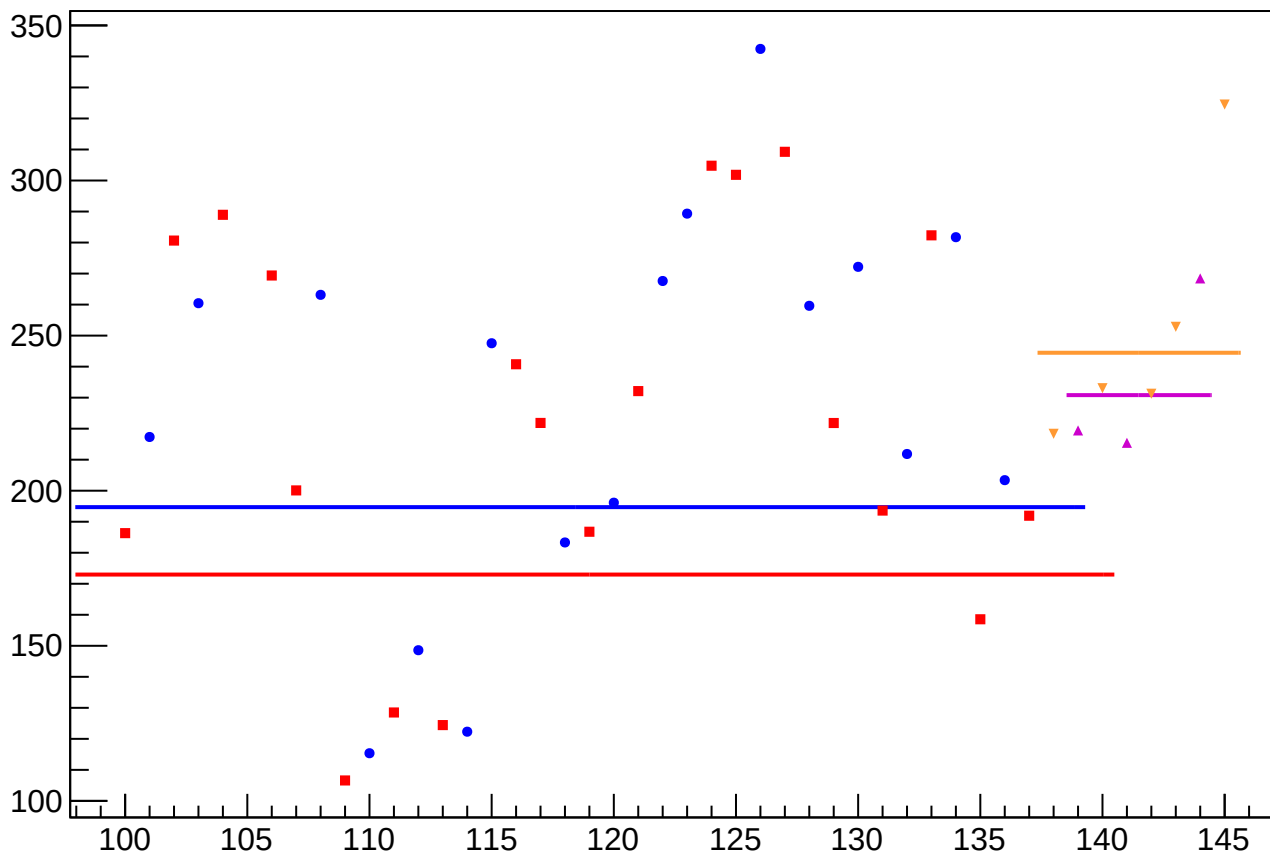
Right Out: 10.113+/-70.234 χ^2/NDF : 5.7/19

Left In: -237.033+/-149.959 χ^2/NDF : 0.9/2

72.318+/-68.847 χ^2/NDF : 7.7/21

-34.348+/-63.604 χ^2/NDF : 8.9/22

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703±/0.057 χ^2/NDF : 1019872.4/16

Left Out: 244.474±/0.096 χ^2/NDF :121515.5/4

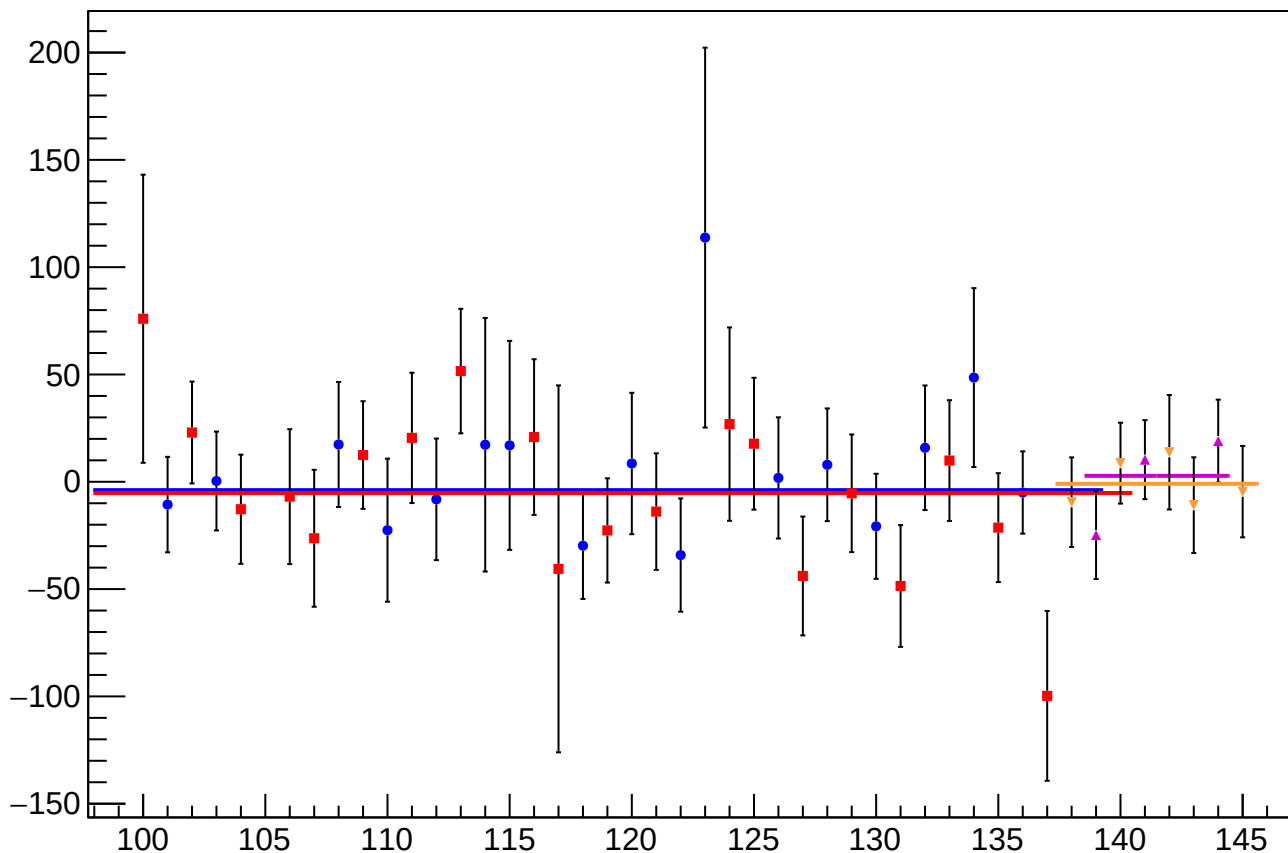
Right Out: 172.965±/0.050 χ^2/NDF : 1601142.0/19

Left In: 230.814±/0.106 χ^2/NDF :45712.6/2

207.609±/0.049 χ^2/NDF : 1342146.7/21

183.372±/0.045 χ^2/NDF : 1890944.9/22

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: -0.938+/-9.655 χ^2/NDF : 1.0/4

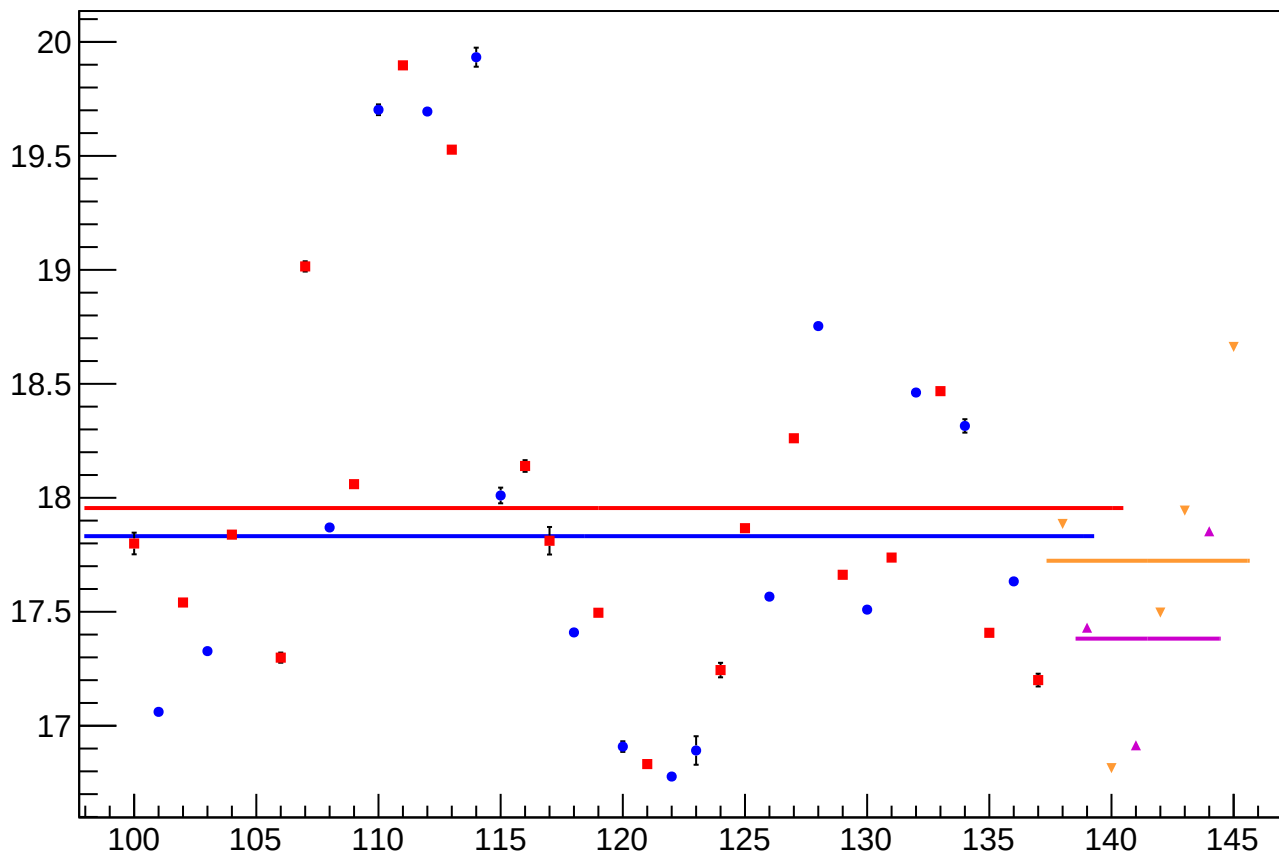
Right Out: -5.204+/-6.706 χ^2/NDF : 21.5/19

Left In: 2.778+/-11.167 χ^2/NDF : 2.7/2

-2.892+/-5.622 χ^2/NDF : 9.4/21

-3.088+/-5.749 χ^2/NDF : 24.6/22

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 ± 0.005 χ^2/NDF : 30863.4/16

Left Out: 17.724 ± 0.007 χ^2/NDF : 9001.2/4

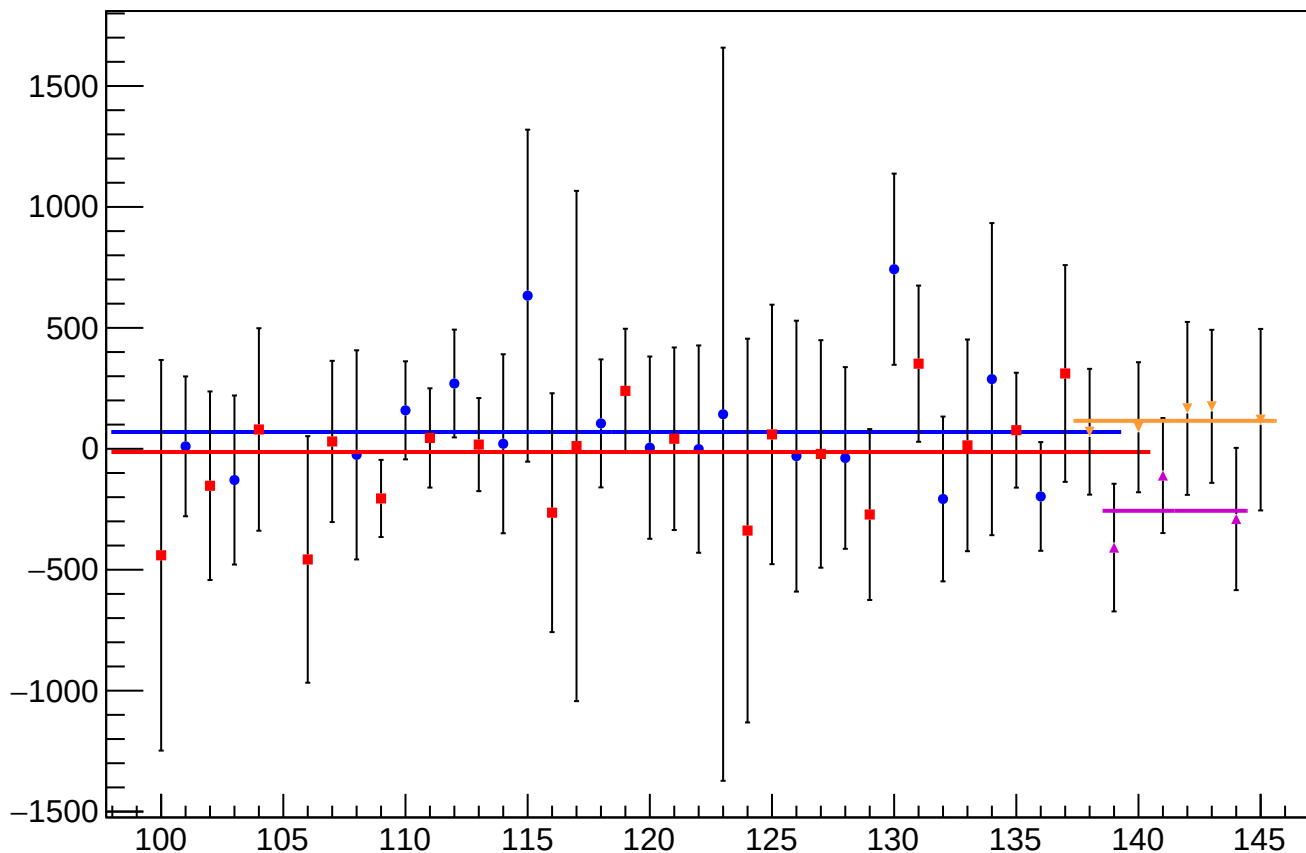
Right Out: 17.955 ± 0.005 χ^2/NDF : 25454.6/19

Left In: 17.382 ± 0.008 χ^2/NDF : 2494.2/2

17.795 ± 0.004 χ^2/NDF : 40029.6/21

17.803 ± 0.004 χ^2/NDF : 31816.8/22

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 115.648+/-136.665 χ^2/NDF : 0.1/4

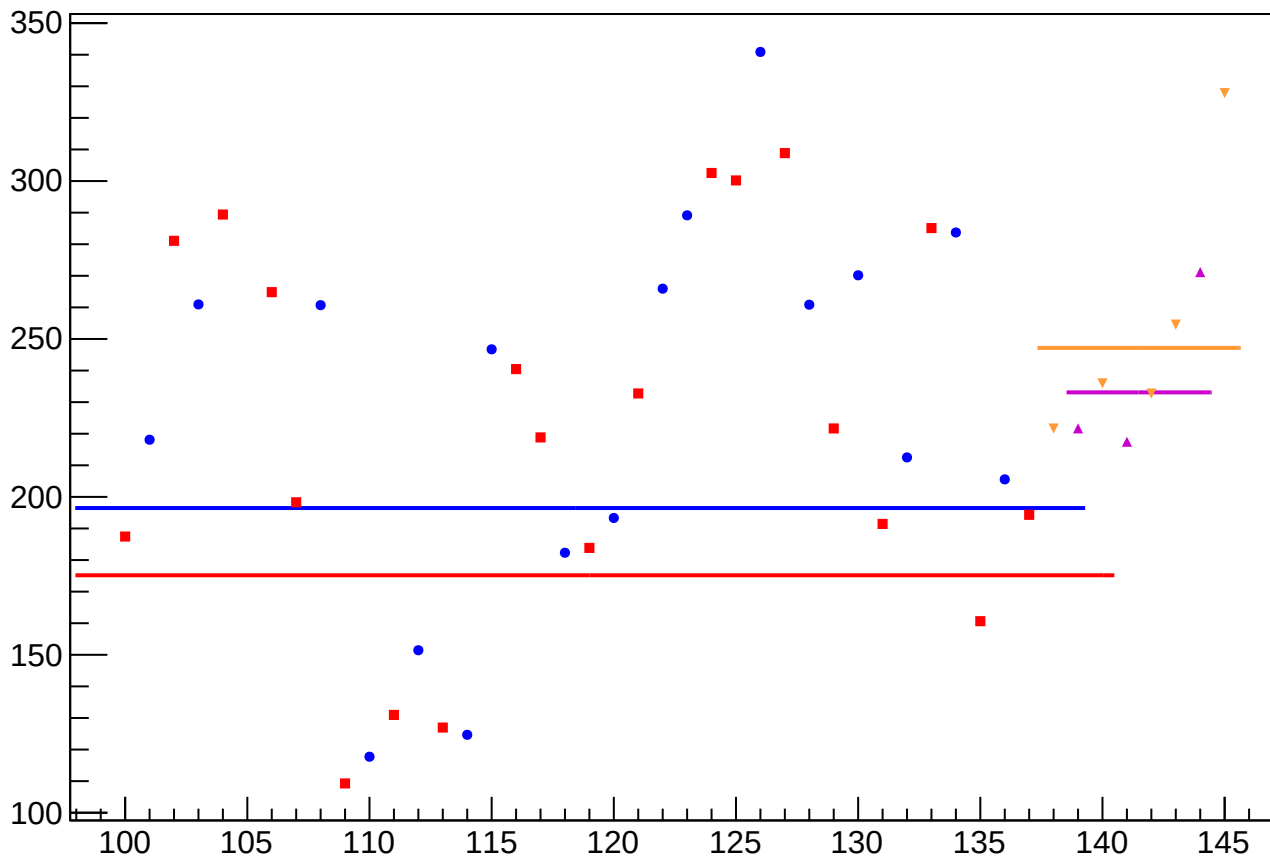
Right Out: -13.298+/-70.881 χ^2/NDF : 6.7/19

Left In: -256.294+/-151.427 χ^2/NDF : 0.7/2

81.406+/-69.394 χ^2/NDF : 7.6/21

-56.970+/-64.196 χ^2/NDF : 9.5/22

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.470 $\pm$ 0.057 χ^2/NDF : 964281.5/16

Left Out: 247.184 $\pm$ 0.097 χ^2/NDF :119543.3/4

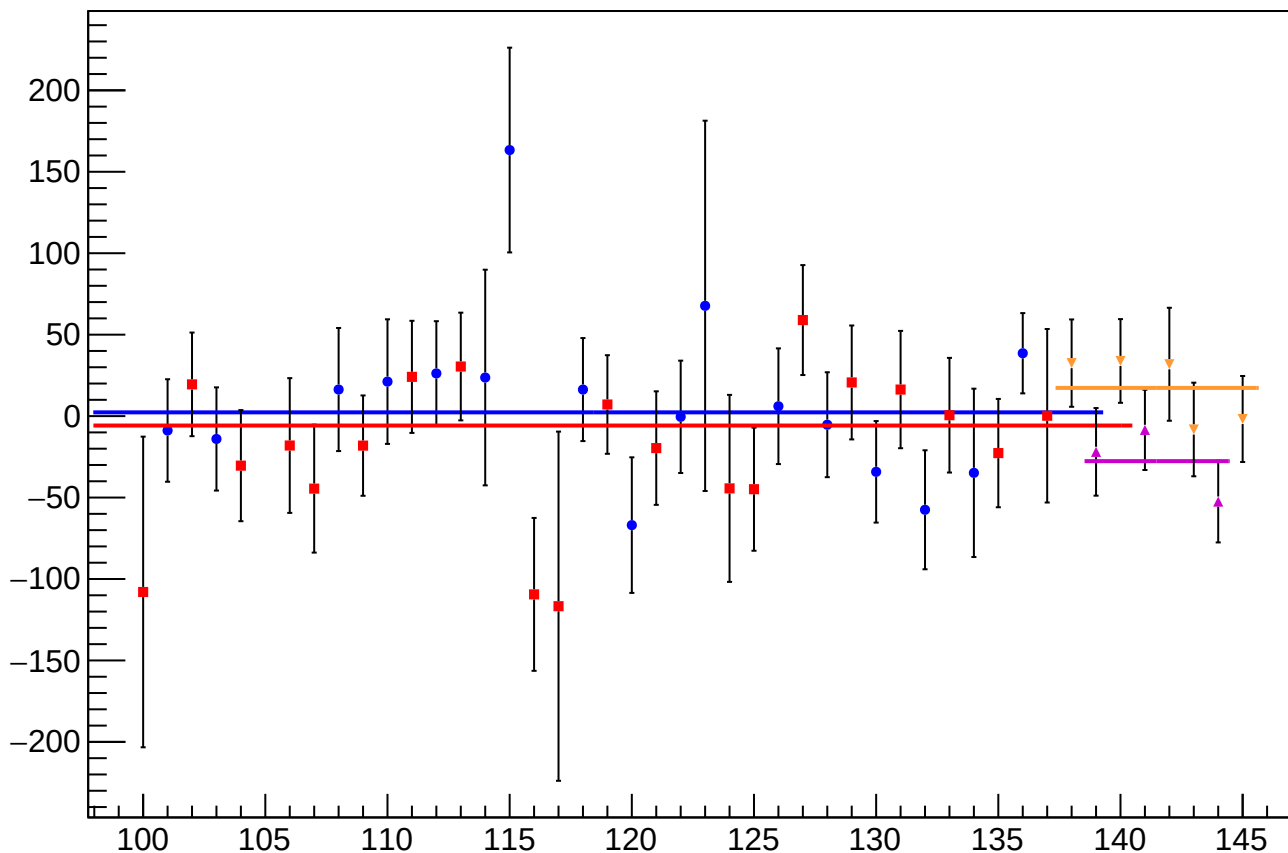
Right Out: 175.179 $\pm$ 0.050 χ^2/NDF : 1514541.6/19

Left In: 233.091 $\pm$ 0.107 χ^2/NDF :45893.3/2

209.546 $\pm$ 0.049 χ^2/NDF : 1288222.7/21

185.587 $\pm$ 0.045 χ^2/NDF : 1800385.5/22

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: 17.317 ± 12.517 $\chi^2/\text{NDF}: 2.2/4$

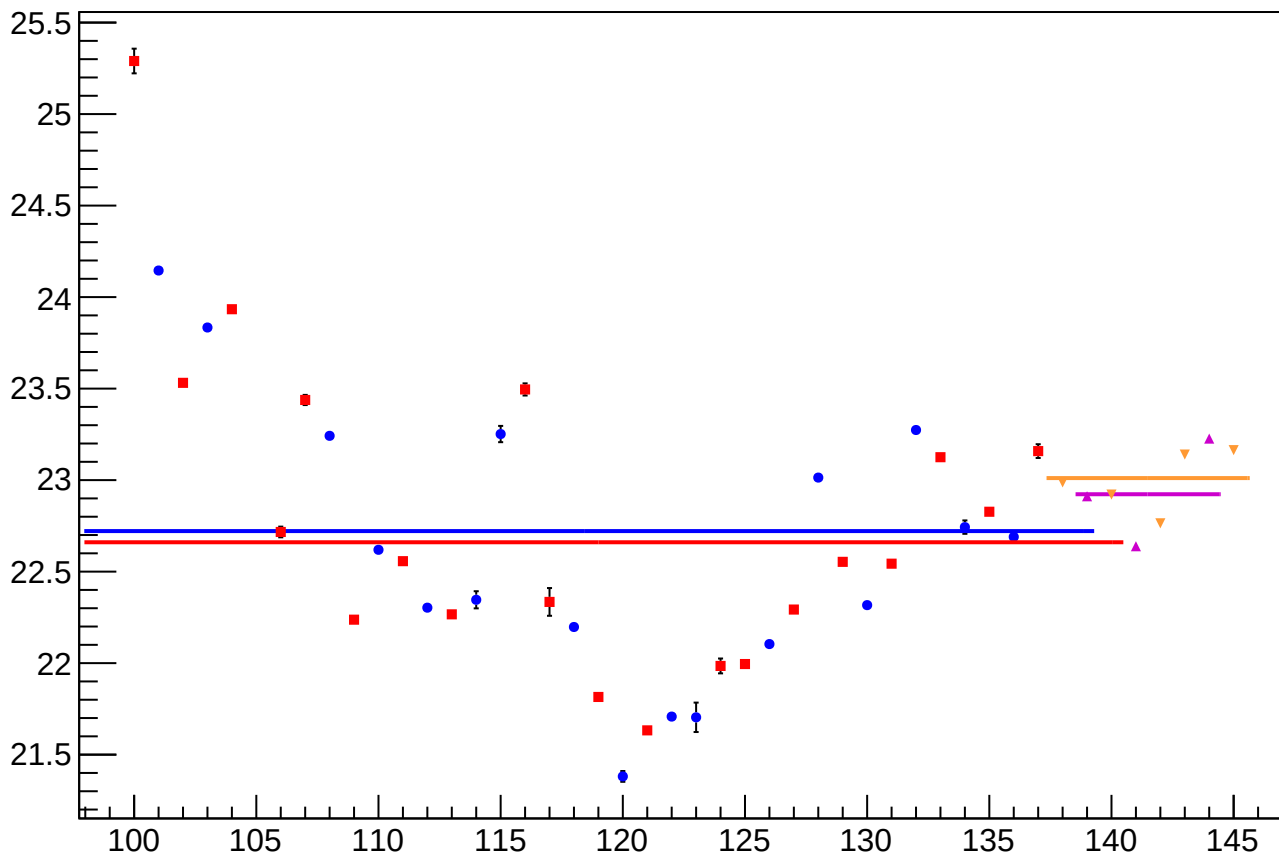
Right Out: -5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

Left In: -27.637 ± 14.712 $\chi^2/\text{NDF}: 1.6/2$

7.276 ± 7.202 $\chi^2/\text{NDF}: 21.3/21$

-11.207 ± 7.329 $\chi^2/\text{NDF}: 21.5/22$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722+/-0.006 χ^2/NDF : 13580.6/16

Left Out: 23.011+/-0.009 χ^2/NDF : 234.6/4

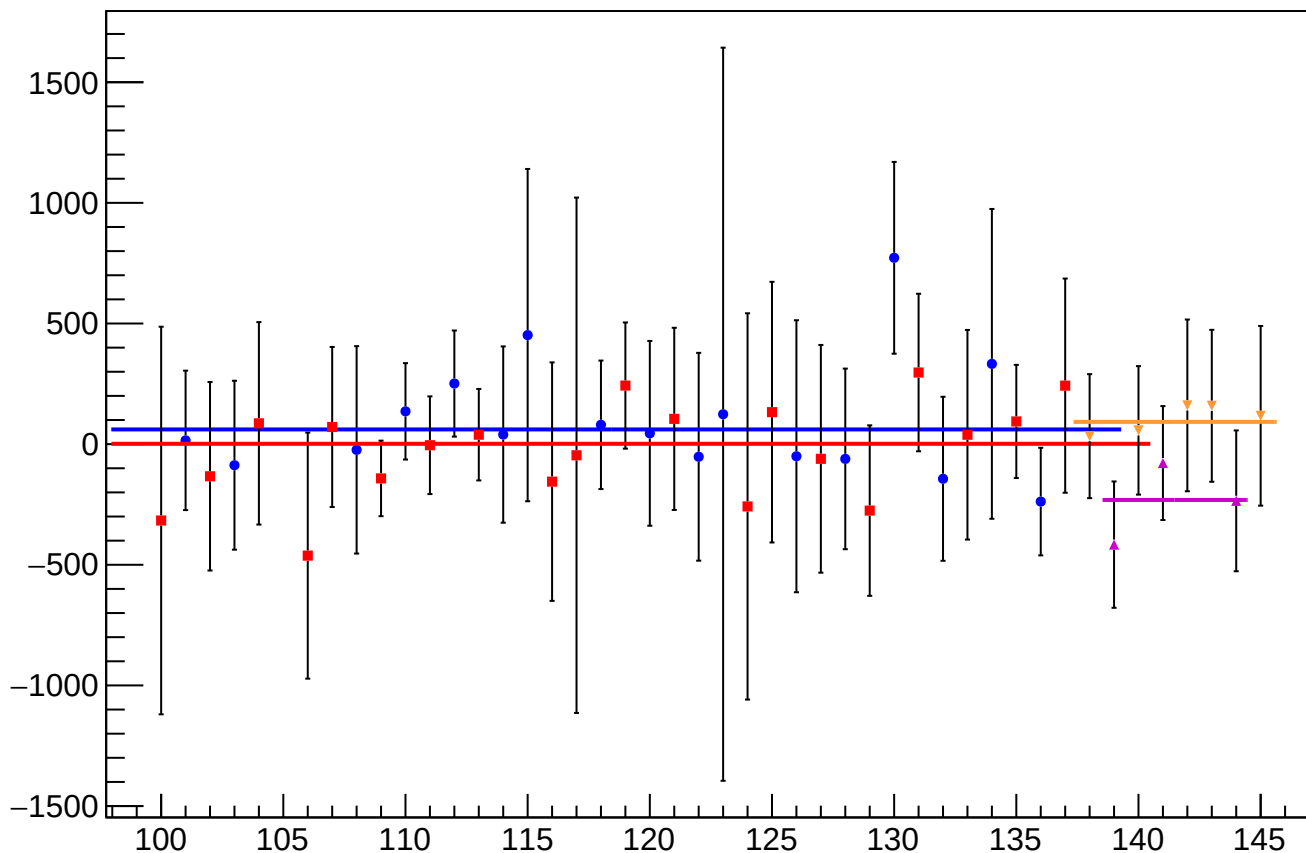
Right Out: 22.660+/-0.006 χ^2/NDF : 12974.2/19

Left In: 22.923+/-0.010 χ^2/NDF : 560.3/2

22.817+/-0.005 χ^2/NDF : 14531.2/21

22.726+/-0.005 χ^2/NDF : 14013.0/22

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960+/-80.197 χ^2/NDF : 7.2/16

Left Out: 92.290+/-135.509 χ^2/NDF : 0.2/4

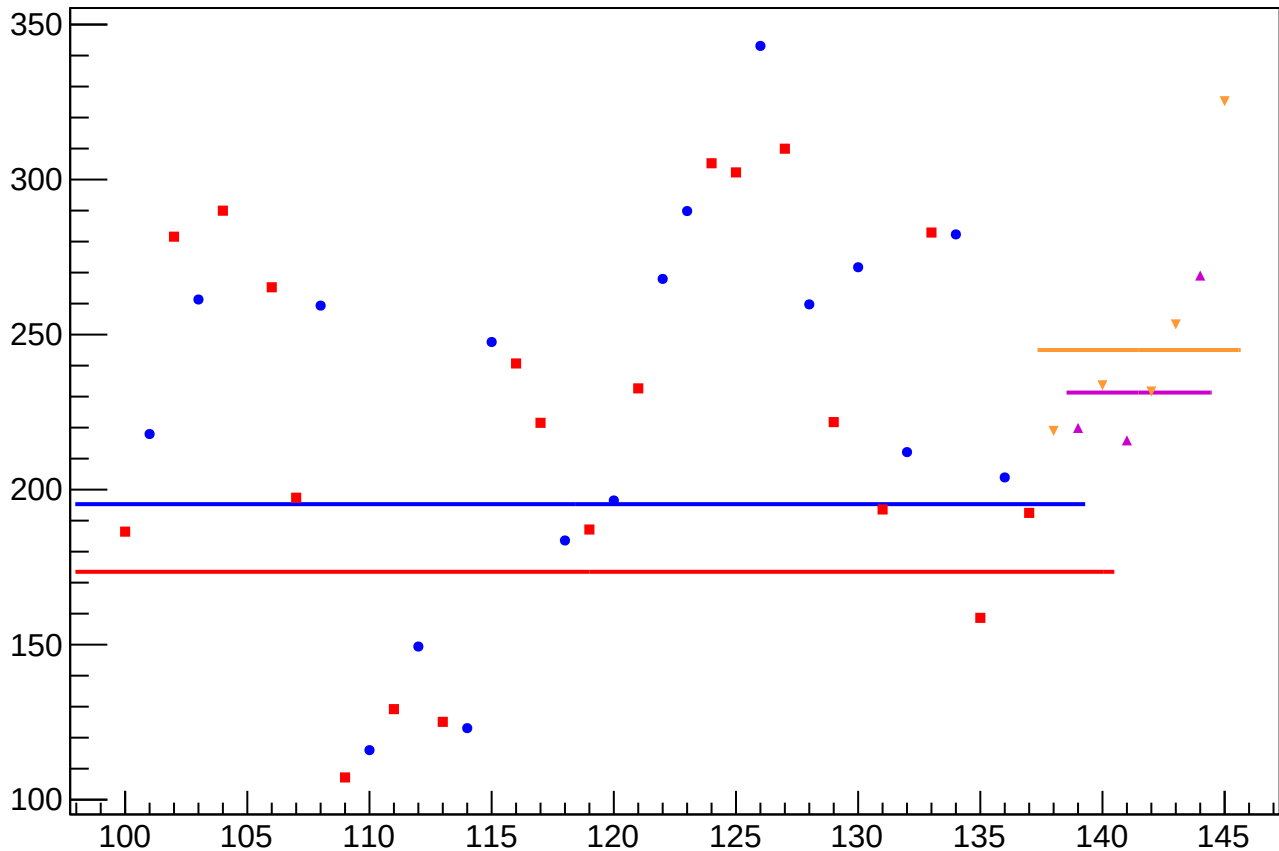
Right Out: 1.439+/-70.395 χ^2/NDF : 5.2/19

Left In: -231.280+/-150.279 χ^2/NDF : 0.9/2

69.087+/-69.016 χ^2/NDF : 7.4/21

-40.437+/-63.748 χ^2/NDF : 8.1/22

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 245.036+/-0.096 χ^2/NDF :121371.6/4

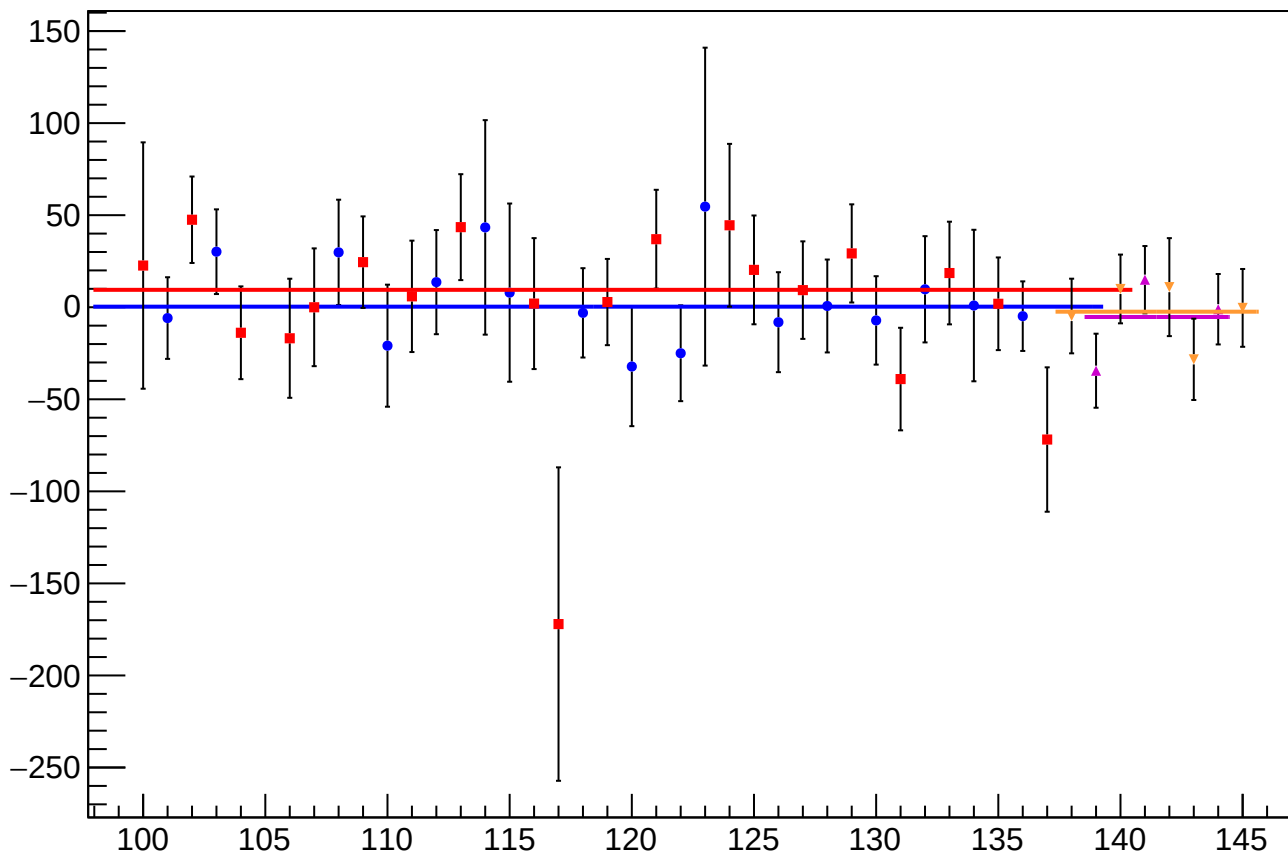
Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

Left In: 231.307+/-0.106 χ^2/NDF :45778.9/2

208.213+/-0.049 χ^2/NDF : 1324990.7/21

183.898+/-0.045 χ^2/NDF : 1870950.1/22

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: -2.418 ± 9.533 χ^2/NDF : 2.1/4

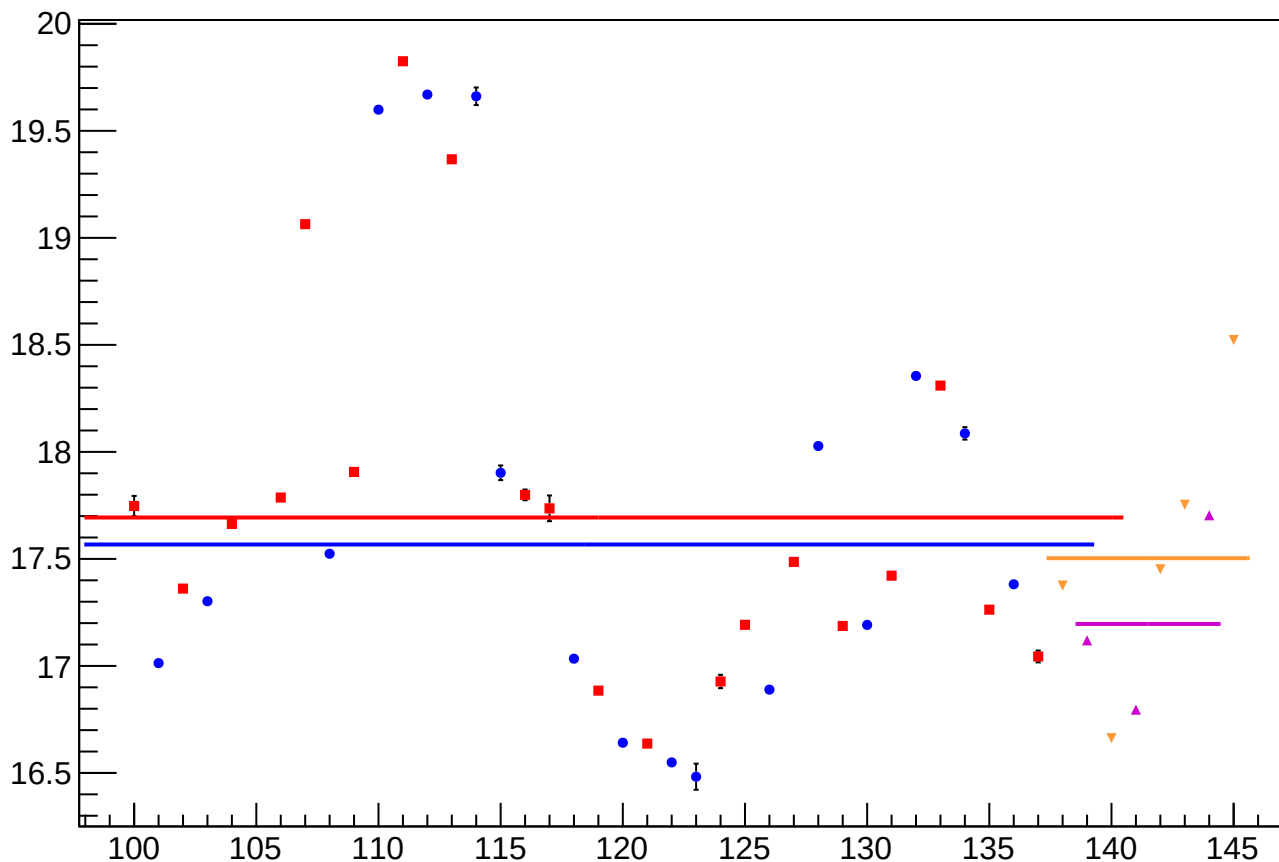
Right Out: 9.452 ± 6.608 χ^2/NDF : 20.6/19

Left In: -5.305 ± 11.045 χ^2/NDF : 3.4/2

-0.615 ± 5.543 χ^2/NDF : 8.9/21

5.563 ± 5.671 χ^2/NDF : 25.3/22

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 ± 0.005 χ^2/NDF : 33145.0/16

Left Out: 17.503 ± 0.007 χ^2/NDF : 9054.3/4

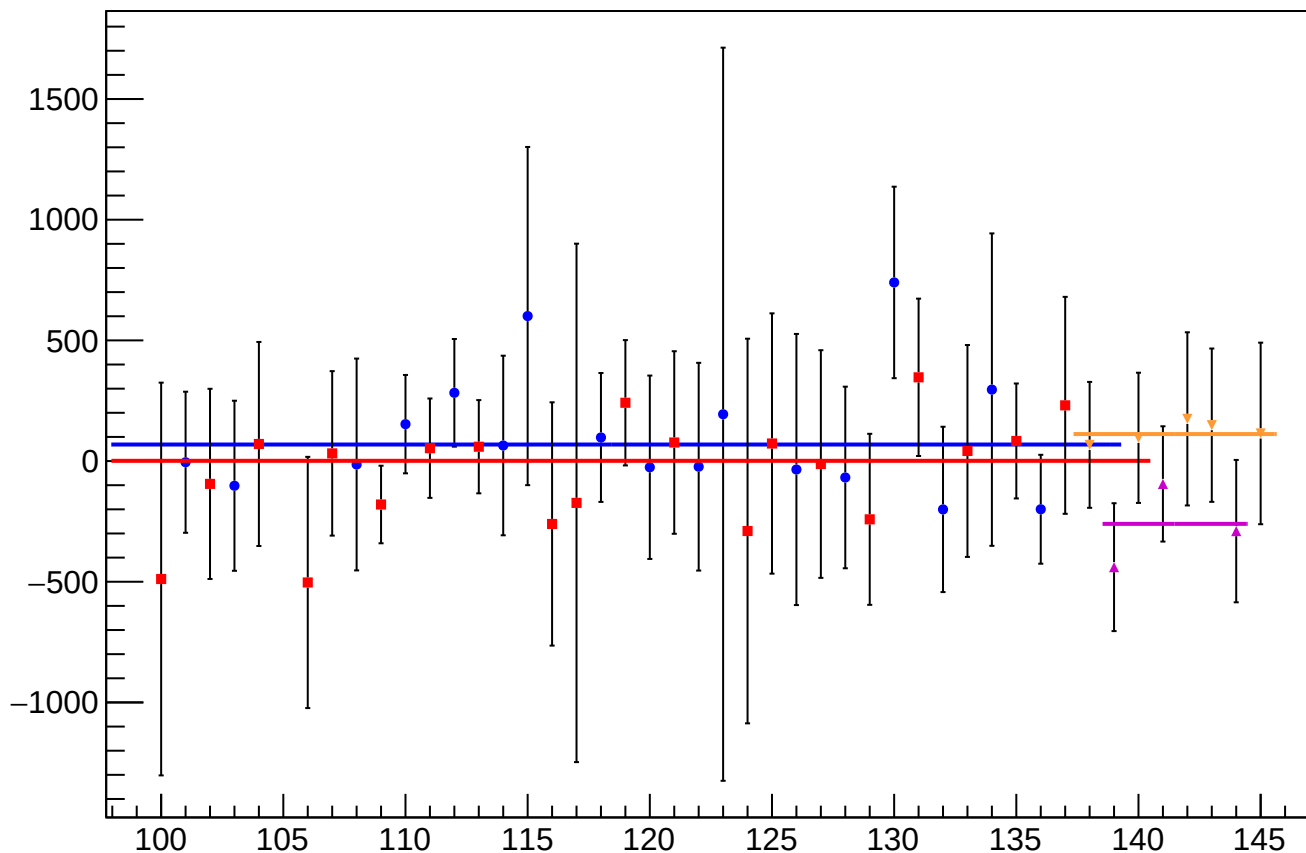
Right Out: 17.693 ± 0.005 χ^2/NDF : 30767.6/19

Left In: 17.196 ± 0.008 χ^2/NDF : 2397.3/2

17.546 ± 0.004 χ^2/NDF : 42259.0/21

17.562 ± 0.004 χ^2/NDF : 36150.9/22

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 111.889+/-137.104 χ^2/NDF : 0.1/4

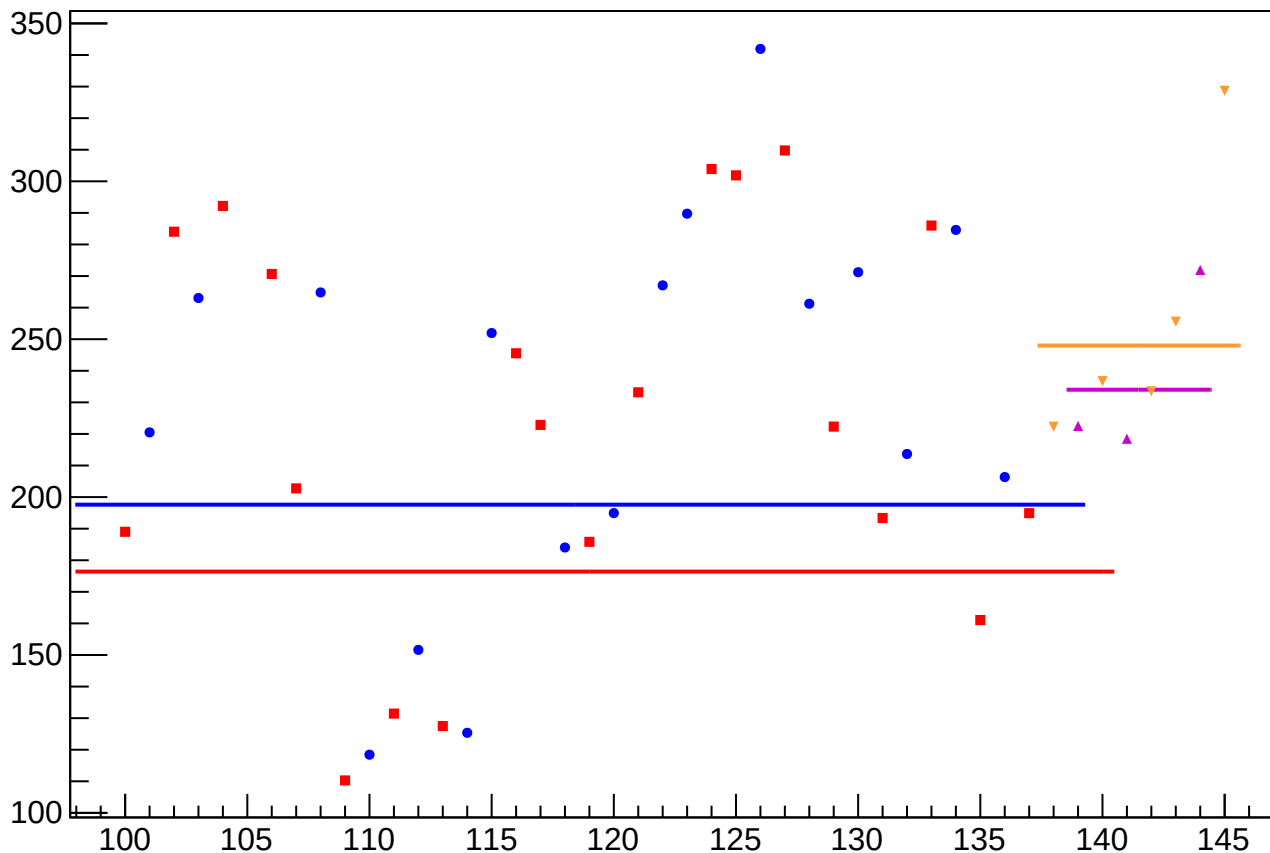
Right Out: 1.057+/-71.380 χ^2/NDF : 6.1/19

Left In: -260.197+/-152.009 χ^2/NDF : 0.9/2

79.769+/-69.750 χ^2/NDF : 7.5/21

-46.142+/-64.611 χ^2/NDF : 9.5/22

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 $\pm$ 0.057 χ^2/NDF : 968827.8/16

Left Out: 247.987 $\pm$ 0.097 χ^2/NDF :119251.7/4

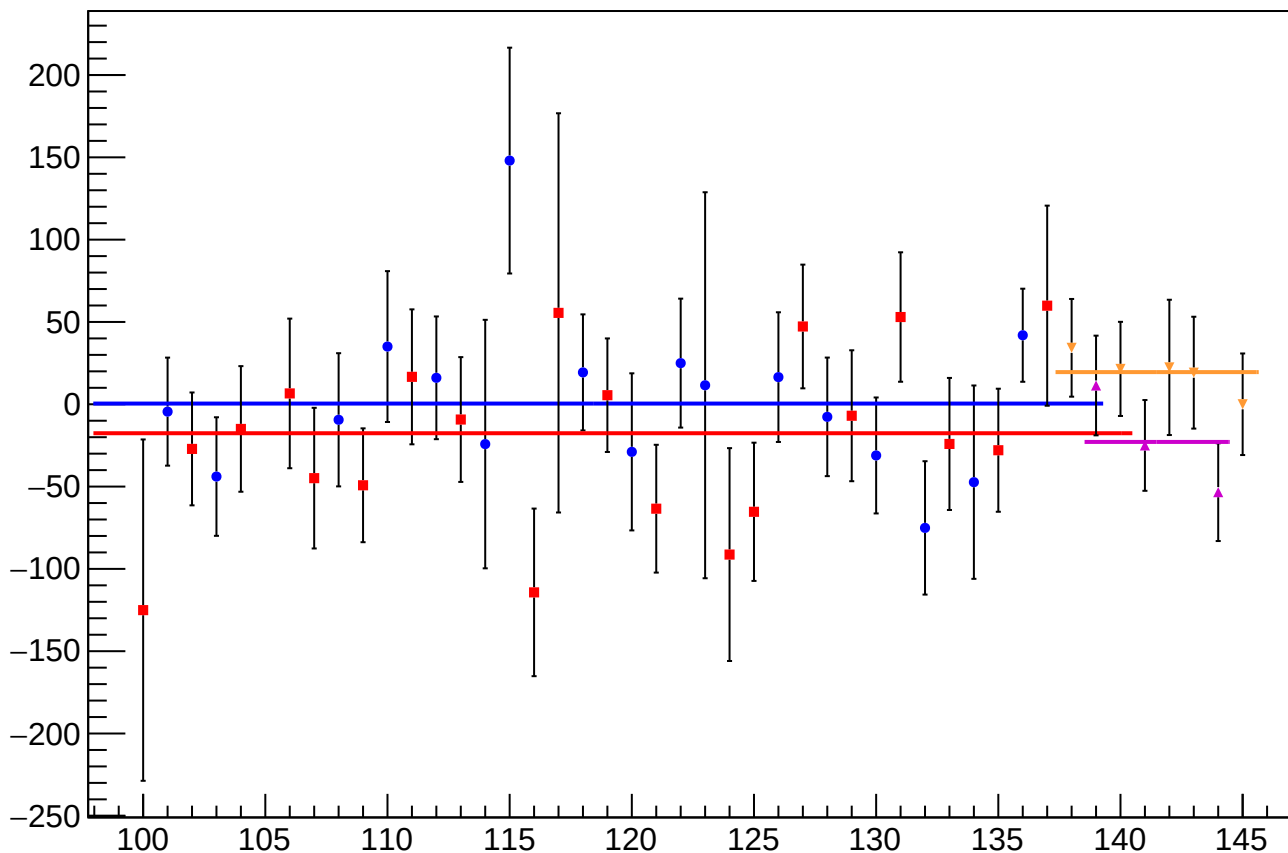
Right Out: 176.407 $\pm$ 0.050 χ^2/NDF : 1523589.5/19

Left In: 234.007 $\pm$ 0.107 χ^2/NDF :45286.2/2

210.644 $\pm$ 0.049 χ^2/NDF : 1288267.0/21

186.814 $\pm$ 0.046 χ^2/NDF : 1804162.7/22

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: 19.538 ± 14.333 χ^2/NDF : 0.7/4

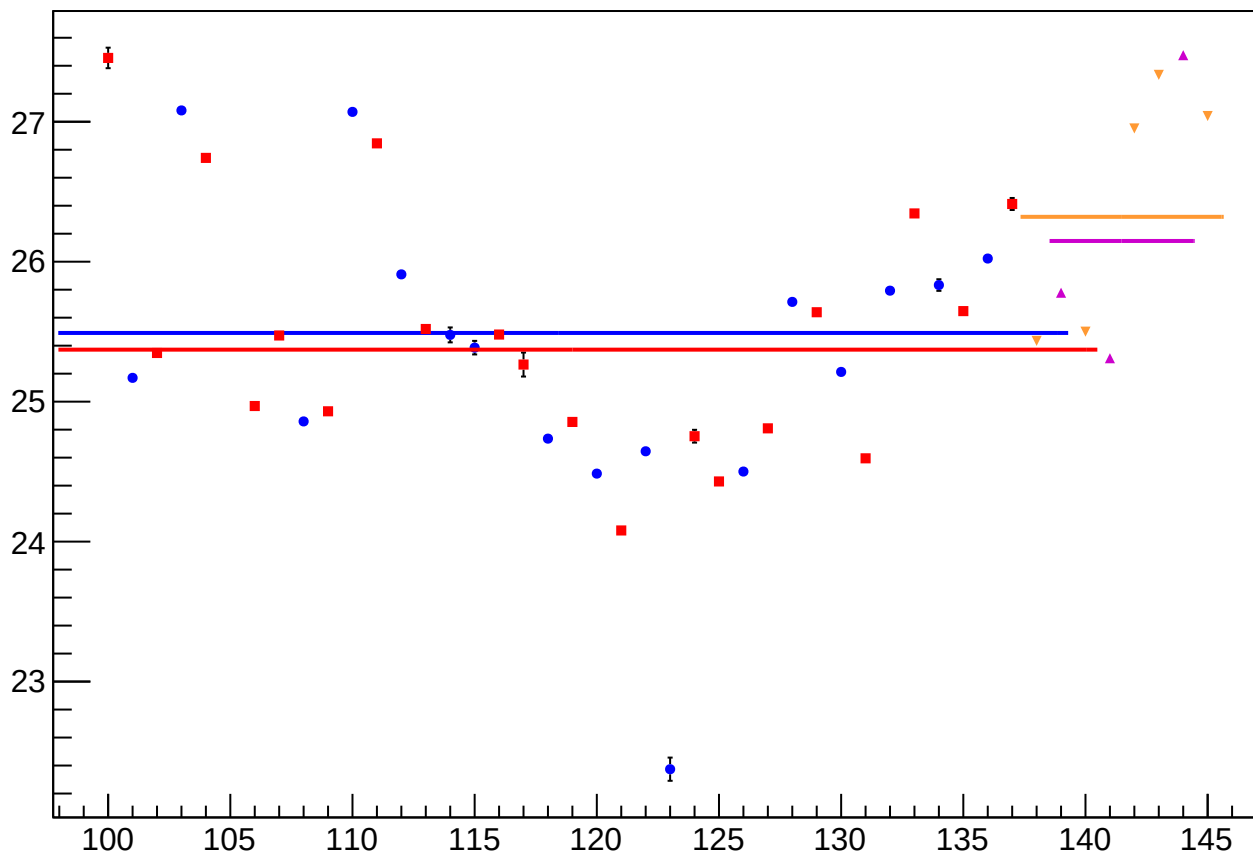
Right Out: -17.595 ± 9.470 χ^2/NDF : 19.8/19

Left In: -22.878 ± 16.807 χ^2/NDF : 2.3/2

6.586 ± 8.137 χ^2/NDF : 17.3/21

-18.868 ± 8.250 χ^2/NDF : 22.3/22

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491 ± 0.007 $\chi^2/\text{NDF}: 13713.0/16$

Left Out: 26.321 ± 0.010 $\chi^2/\text{NDF}: 6776.2/4$

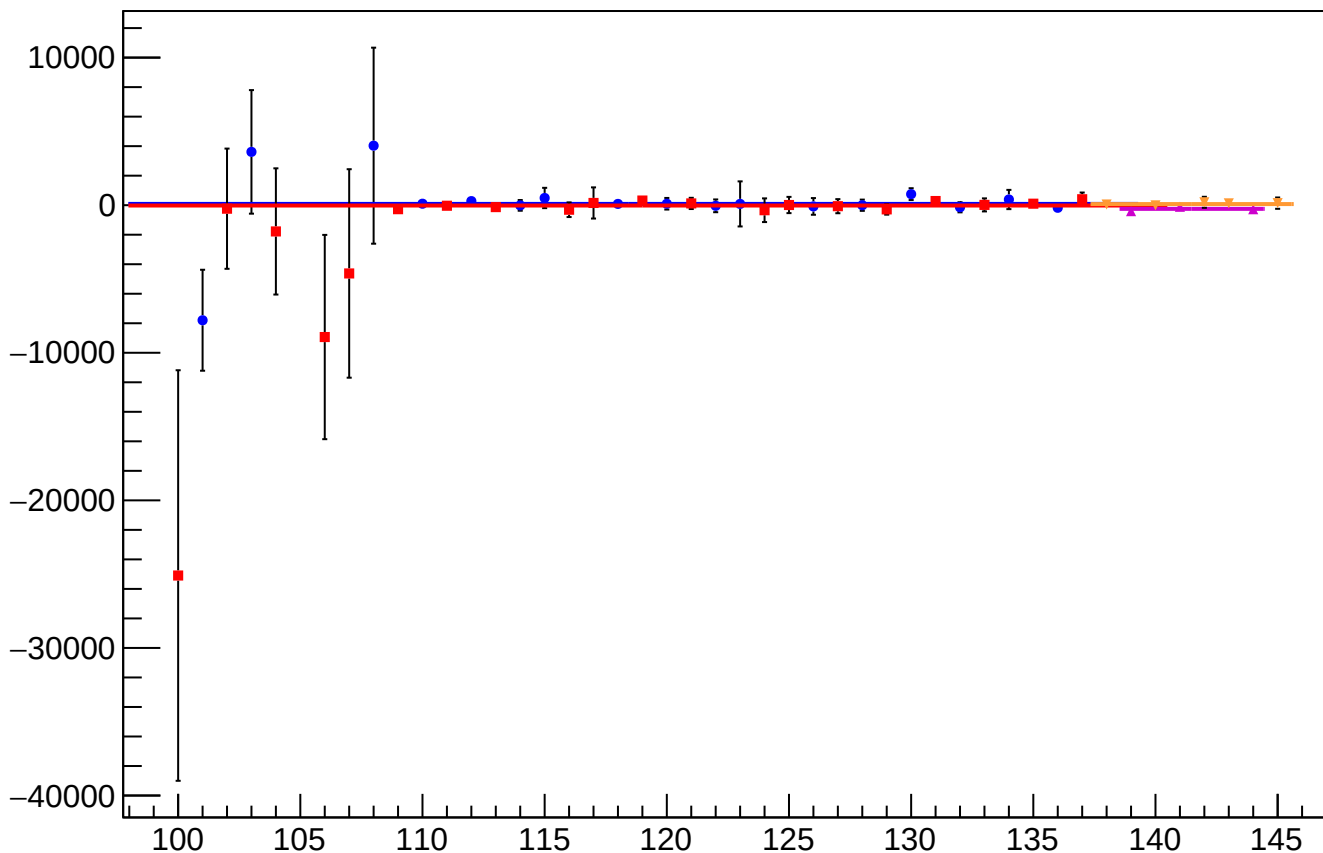
Right Out: 25.372 ± 0.007 $\chi^2/\text{NDF}: 13552.0/19$

Left In: 26.148 ± 0.012 $\chi^2/\text{NDF}: 6141.6/2$

25.758 ± 0.006 $\chi^2/\text{NDF}: 25031.1/21$

25.559 ± 0.006 $\chi^2/\text{NDF}: 22934.0/22$

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: 75.648+/-137.786 χ^2/NDF : 0.3/4

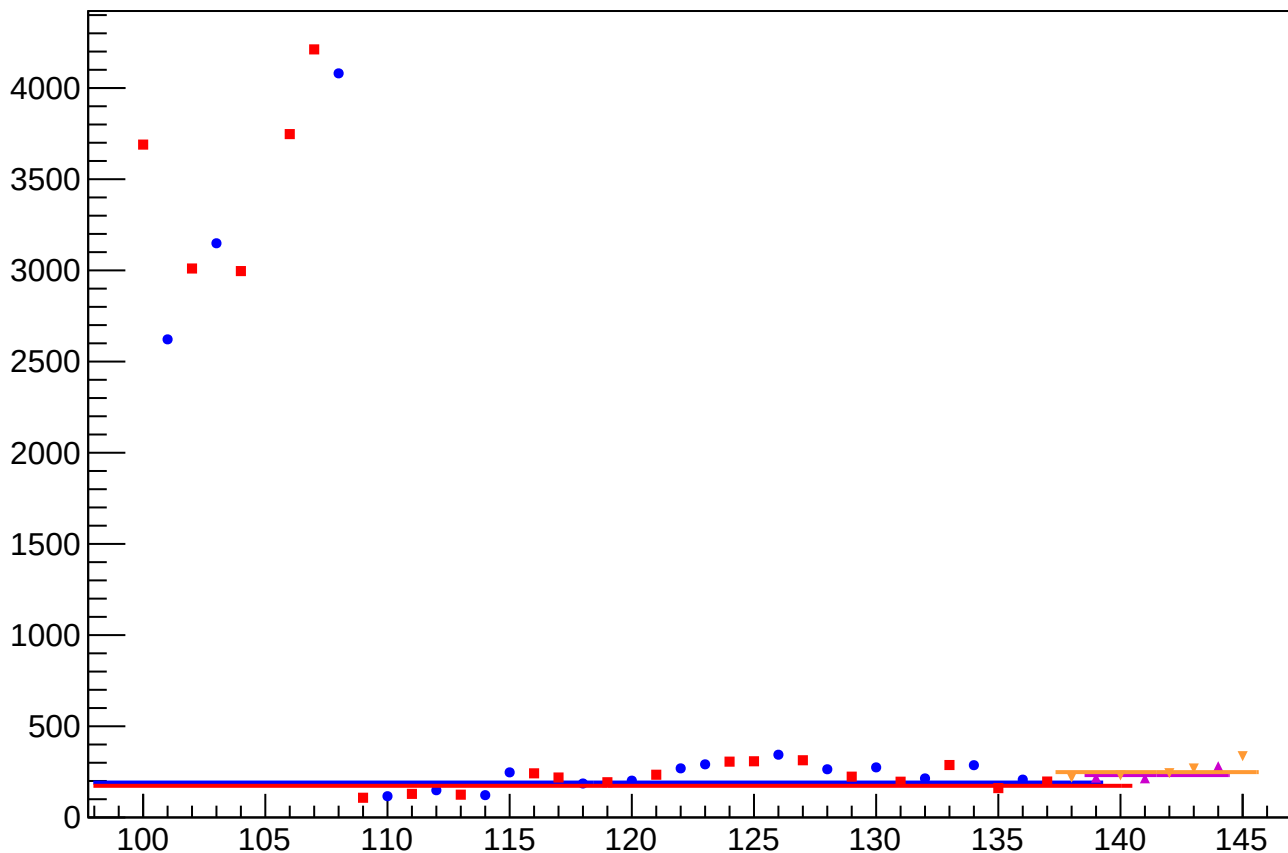
Right Out: -22.332+/-80.711 χ^2/NDF : 11.9/19

Left In: -248.899+/-151.363 χ^2/NDF : 0.7/2

83.375+/-74.417 χ^2/NDF : 12.8/21

-72.491+/-71.219 χ^2/NDF : 14.4/22

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 248.620+/-0.097 χ^2/NDF : 148524.6/4

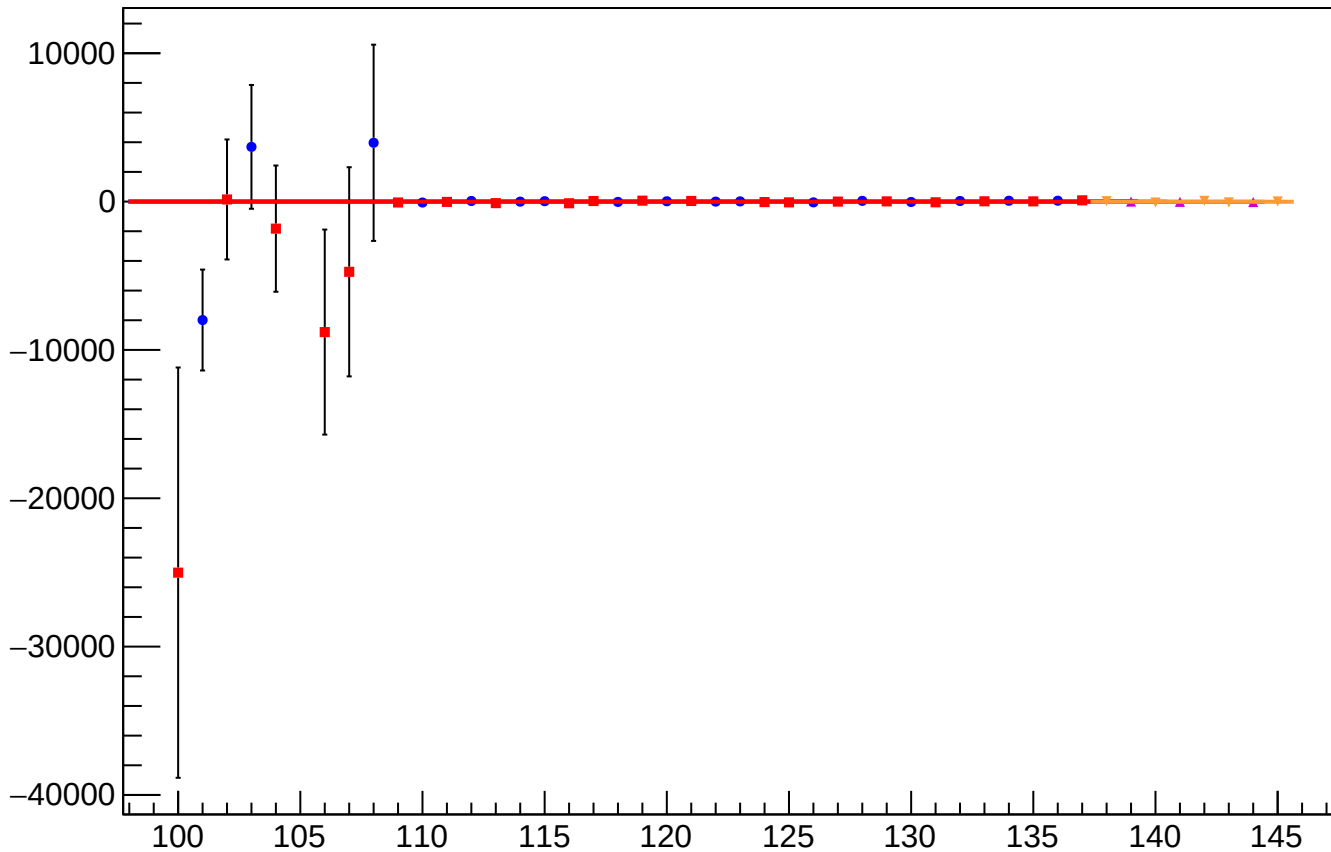
Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

Left In: 232.336+/-0.107 χ^2/NDF : 67625.9/2

208.146+/-0.053 χ^2/NDF : 3965318.9/21

186.576+/-0.050 χ^2/NDF : 4513553.1/22

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -11.179+/-16.643 χ^2/NDF : 6.8/4

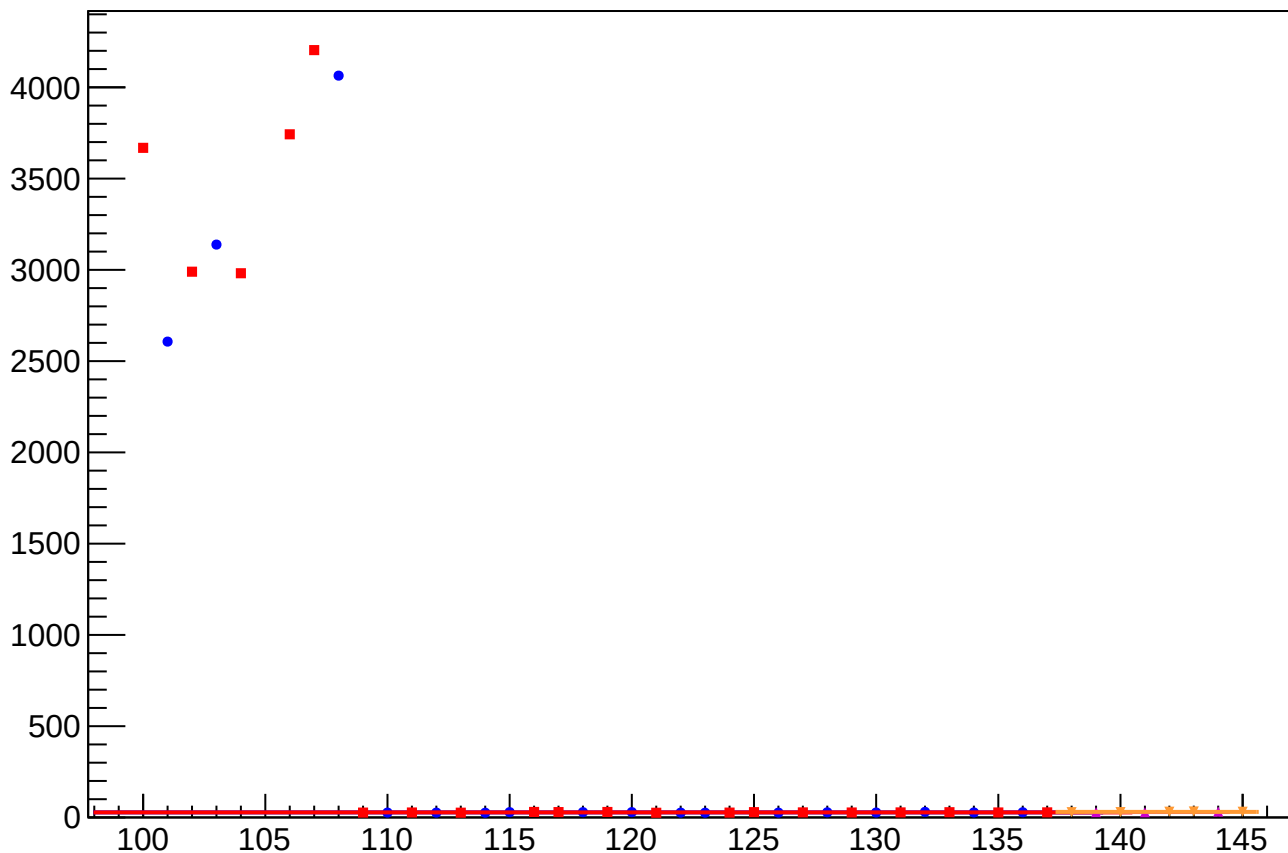
Right Out: -12.296+/-12.186 χ^2/NDF : 24.9/19

Left In: -16.360+/-19.133 χ^2/NDF : 0.4/2

2.718+/-9.883 χ^2/NDF : 26.3/21

-13.469+/-10.278 χ^2/NDF : 25.4/22

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2 /NDF: 3027666.8/16

Left Out: 30.465+/-0.012 χ^2 /NDF:14964.4/4

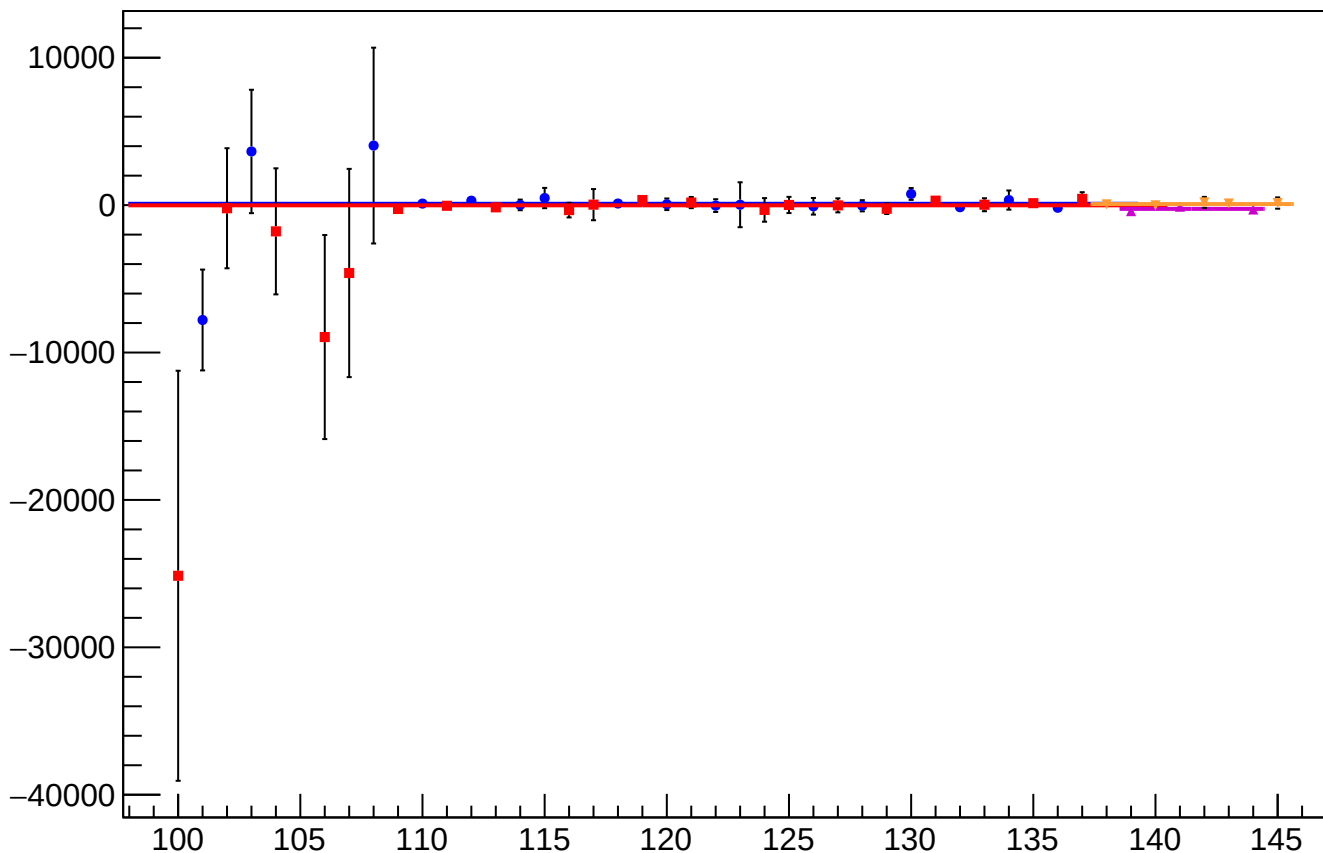
Right Out: 27.707+/-0.009 χ^2 /NDF: 3477132.0/19

Left In: 29.699+/-0.014 χ^2 /NDF:16636.8/2

28.775+/-0.007 χ^2 /NDF: 3074469.9/21

28.282+/-0.007 χ^2 /NDF: 3509186.9/22

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: 72.349+/-137.474 χ^2/NDF : 0.3/4

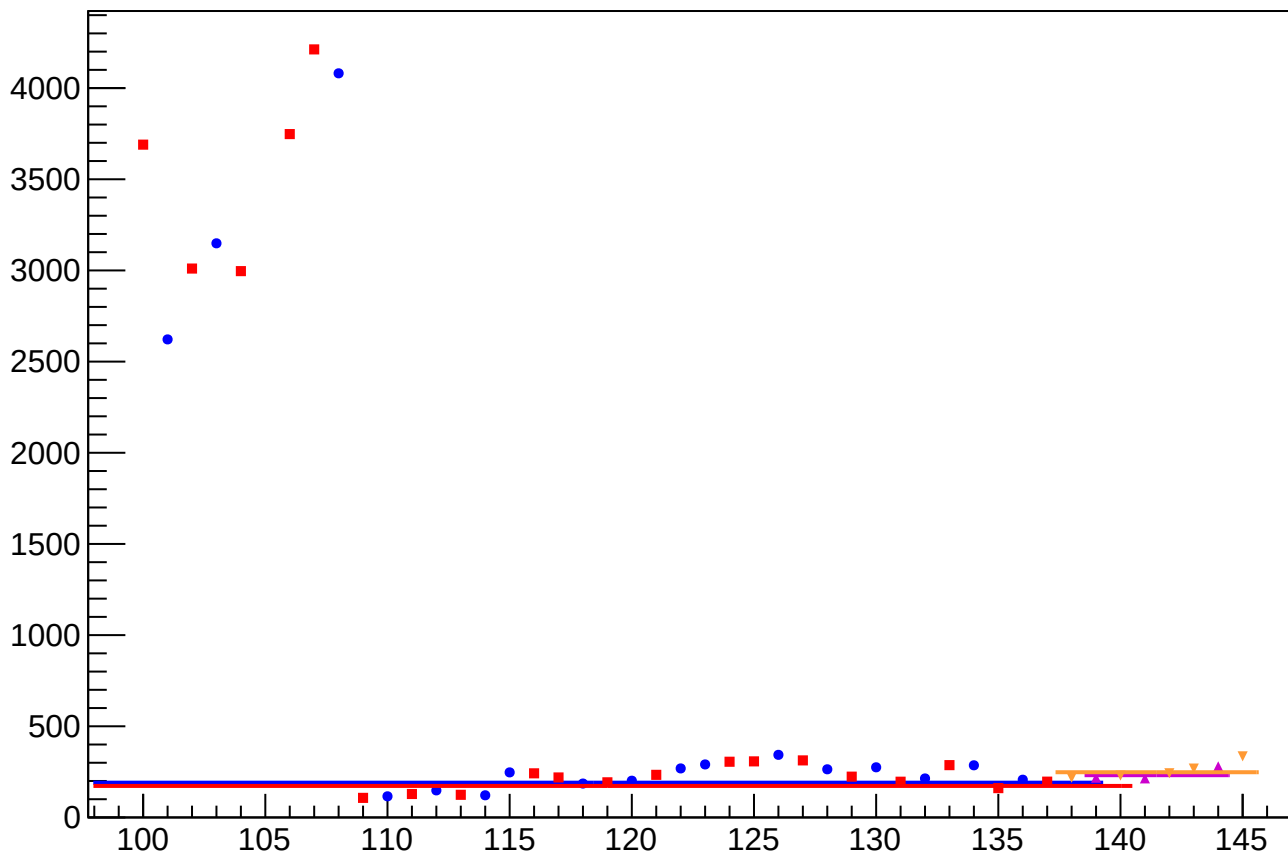
Right Out: -13.075+/-80.452 χ^2/NDF : 12.7/19

Left In: -254.488+/-151.046 χ^2/NDF : 0.8/2

85.405+/-74.205 χ^2/NDF : 13.0/21

-66.428+/-71.008 χ^2/NDF : 15.4/22

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 248.050+/-0.097 χ^2/NDF : 148888.7/4

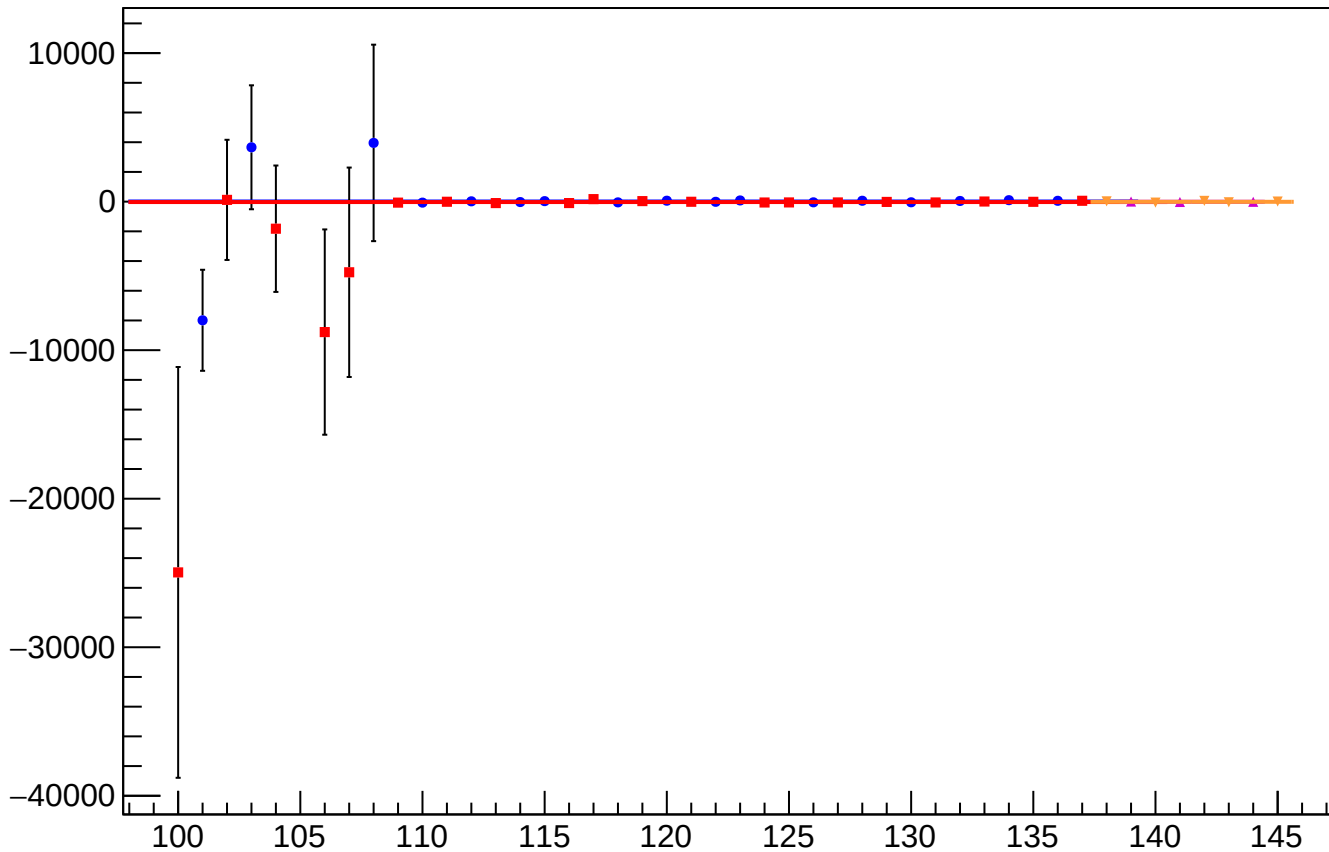
Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

Left In: 231.848+/-0.107 χ^2/NDF : 67588.1/2

207.458+/-0.052 χ^2/NDF : 3979977.4/21

185.928+/-0.050 χ^2/NDF : 4527394.2/22

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: -11.527 $\pm$ 16.743 χ^2 /NDF: 6.0/4

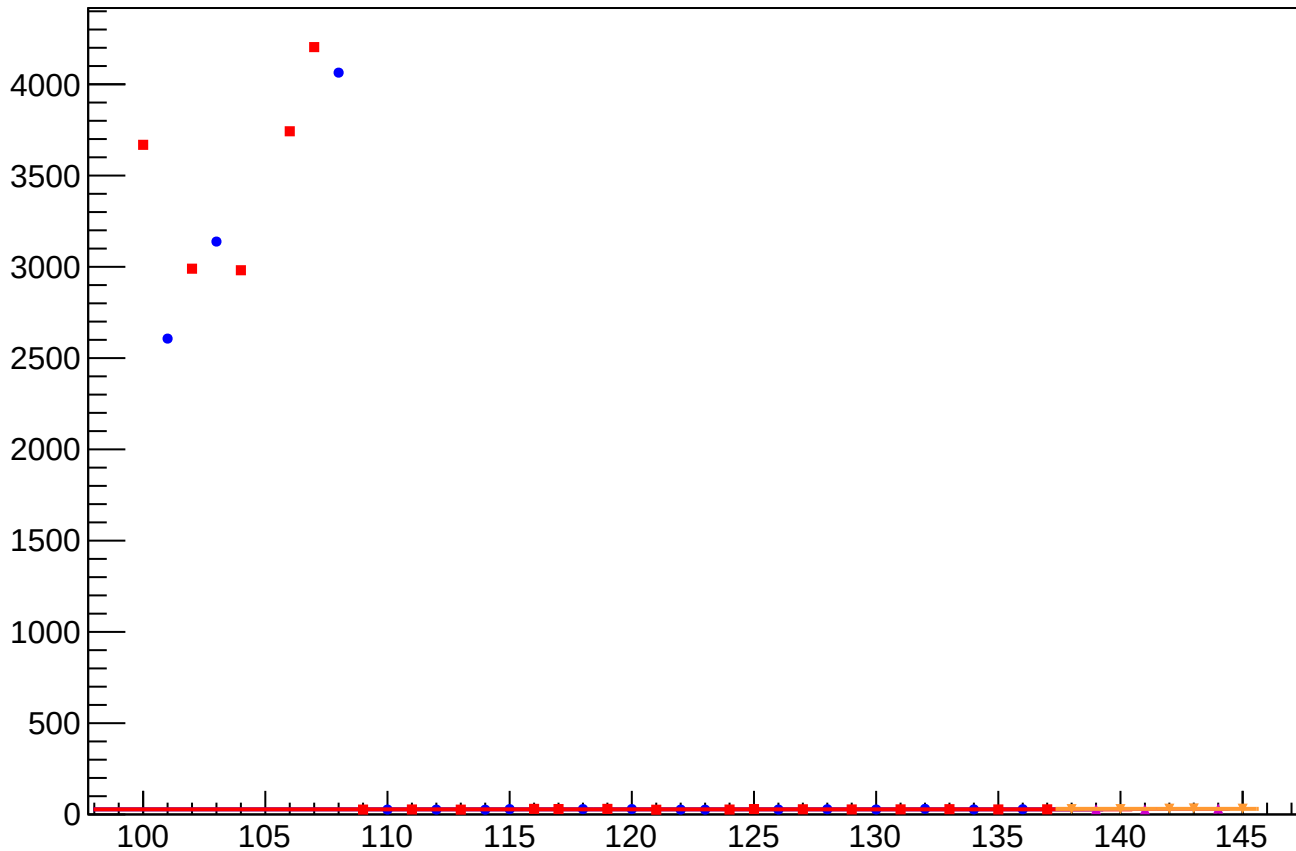
Right Out: -27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

Left In: -9.994 $\pm$ 19.218 χ^2 /NDF: 0.4/2

1.495 $\pm$ 9.948 χ^2 /NDF: 30.1/21

-22.703 $\pm$ 10.352 χ^2 /NDF: 19.8/22

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044+/-0.009 χ^2/NDF : 3027898.7/16

Left Out: 30.643+/-0.012 χ^2/NDF :15329.8/4

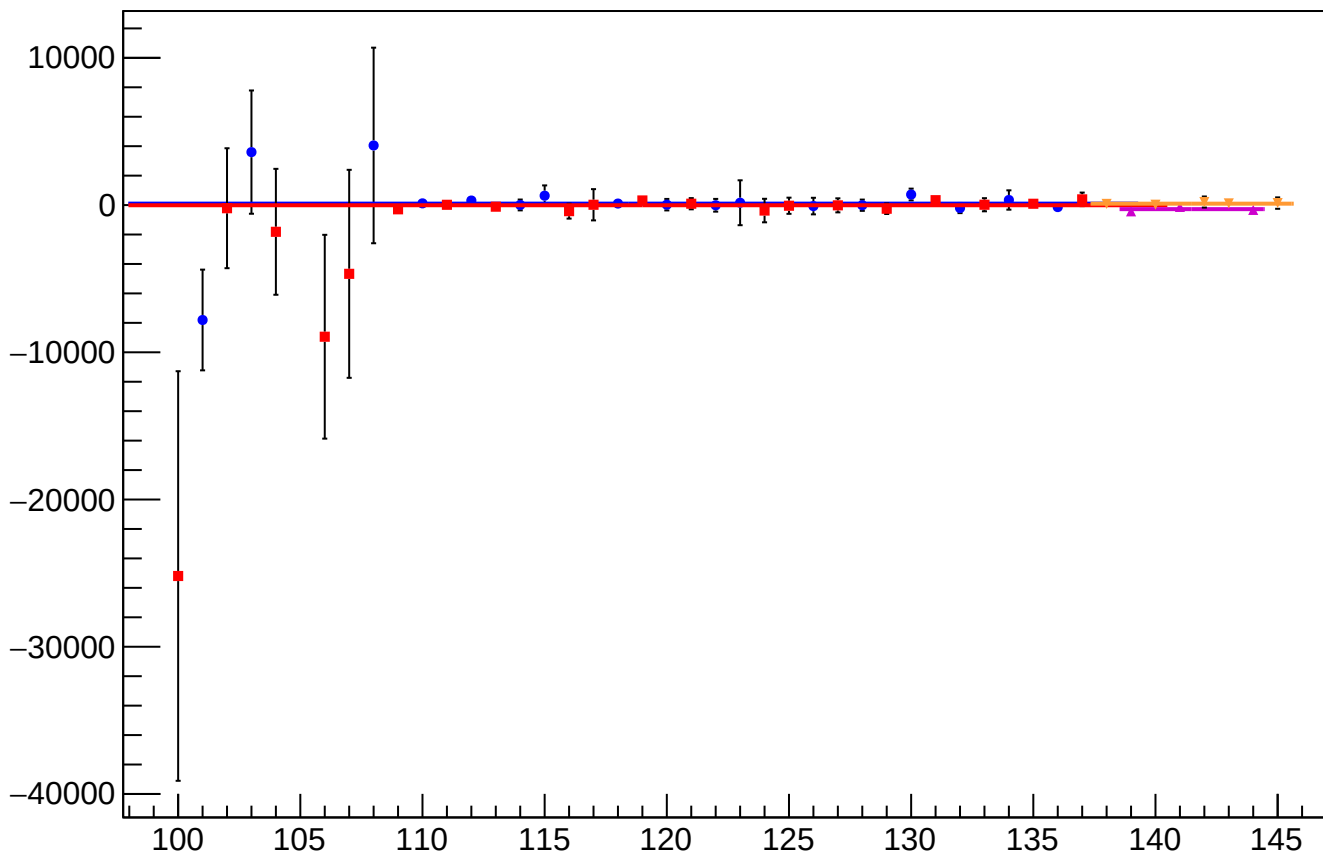
Right Out: 27.930+/-0.009 χ^2/NDF : 3479947.6/19

Left In: 29.826+/-0.014 χ^2/NDF :17786.1/2

28.961+/-0.007 χ^2/NDF : 3074412.8/21

28.480+/-0.007 χ^2/NDF : 3511555.7/22

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142 $\pm$ 89.203 χ^2 /NDF: 12.5/16

Left Out: 95.348 $\pm$ 139.373 χ^2 /NDF: 0.2/4

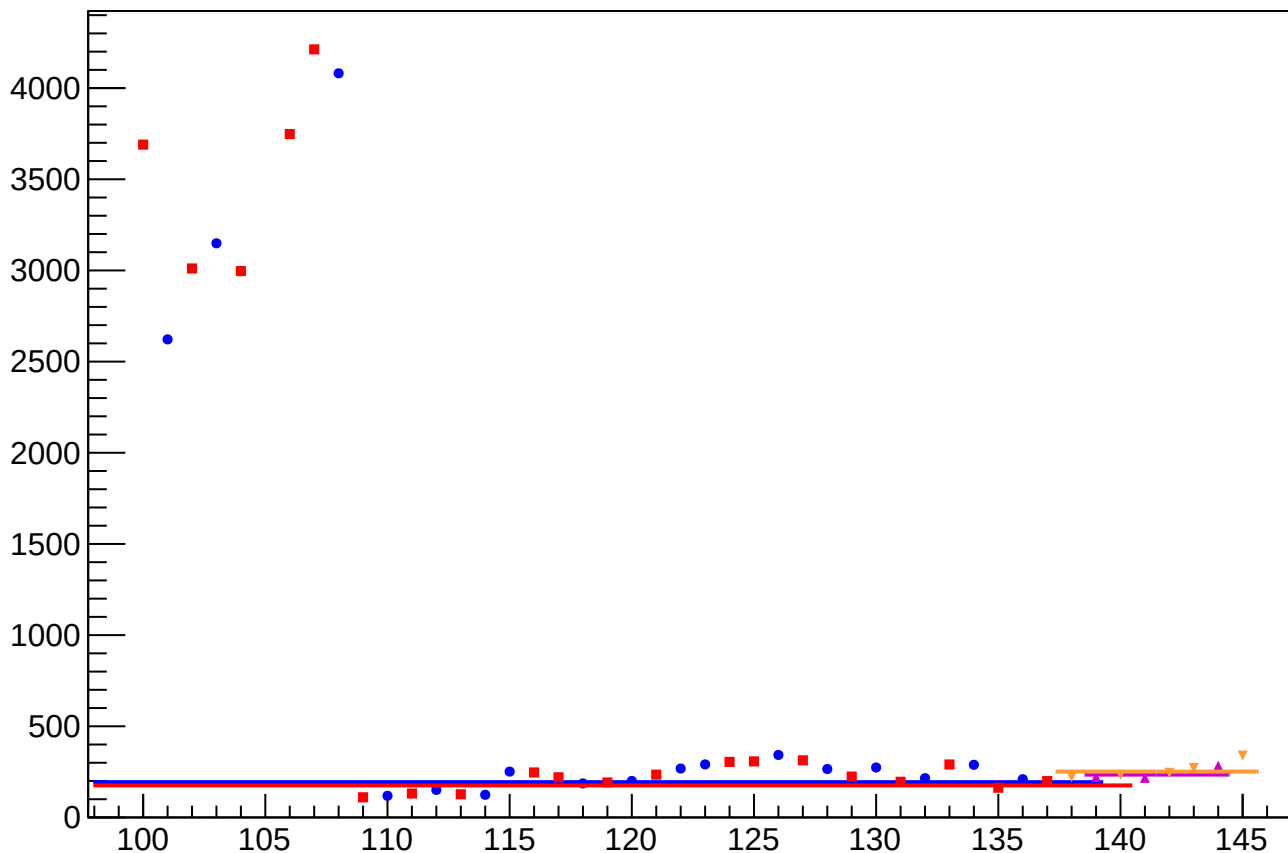
Right Out: -11.533 $\pm$ 81.530 χ^2 /NDF: 12.3/19

Left In: -276.088 $\pm$ 153.061 χ^2 /NDF: 0.8/2

97.330 $\pm$ 75.132 χ^2 /NDF: 12.7/21

-70.005 $\pm$ 71.959 χ^2 /NDF: 15.4/22

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 251.567+/-0.099 χ^2/NDF : 145448.8/4

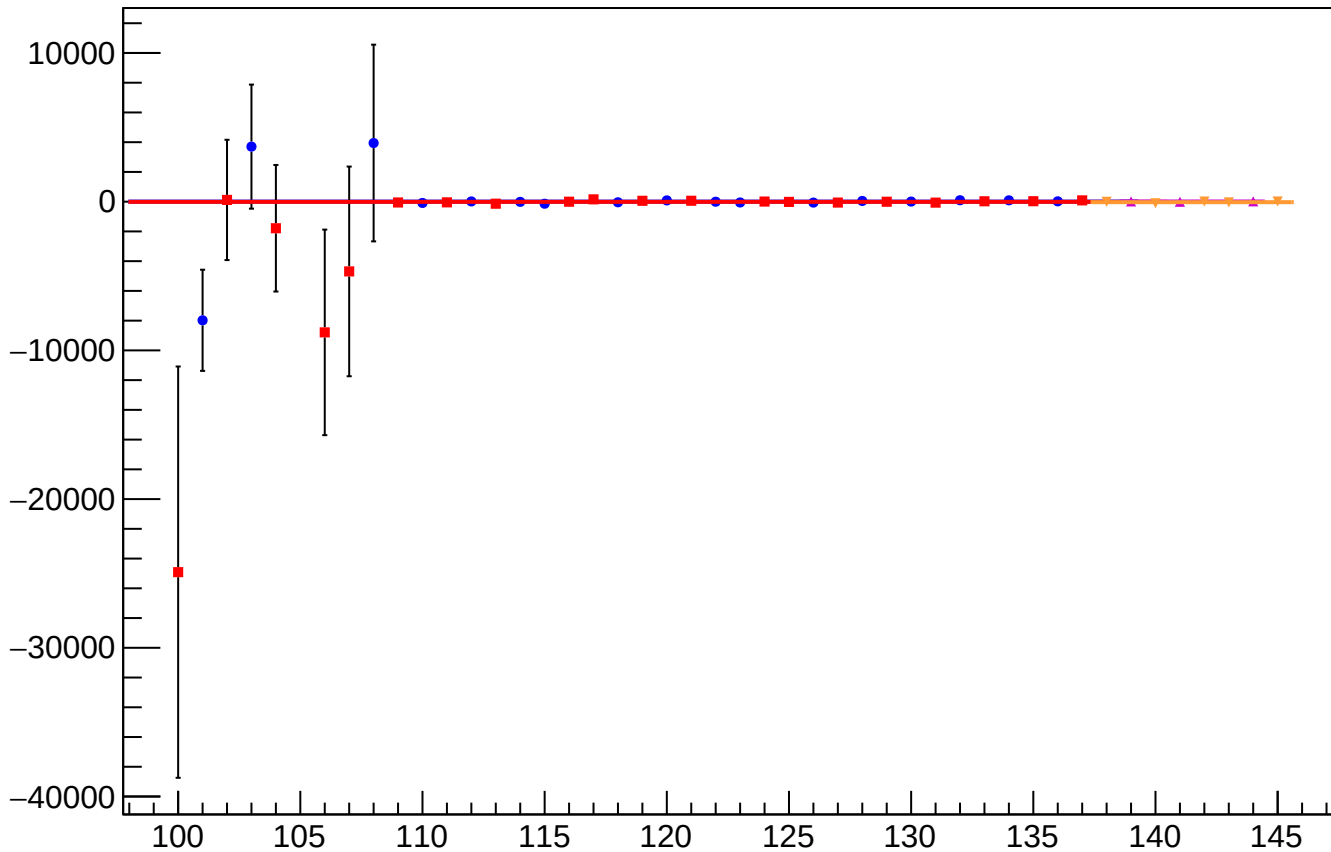
Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

Left In: 234.984+/-0.108 χ^2/NDF : 66981.0/2

210.386+/-0.053 χ^2/NDF : 3928538.0/21

188.861+/-0.051 χ^2/NDF : 4469239.9/22

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565+/-15.052 χ^2/NDF : 20.4/16

Left Out: -32.719+/-19.851 χ^2/NDF : 5.7/4

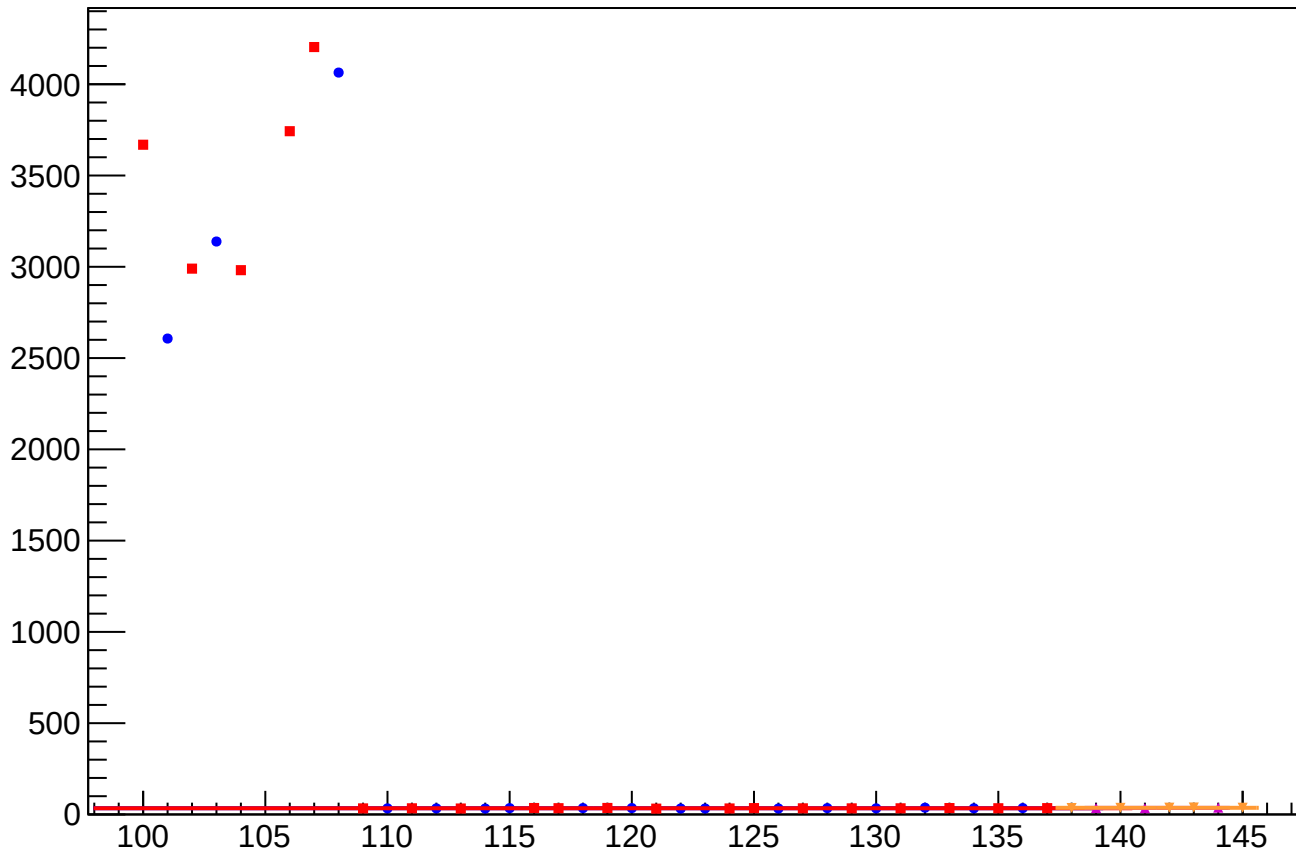
Right Out: -10.775+/-14.891 χ^2/NDF : 23.0/19

Left In: 11.291+/-23.041 χ^2/NDF : 0.3/2

-8.411+/-11.994 χ^2/NDF : 28.5/21

-4.274+/-12.506 χ^2/NDF : 23.9/22

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.168+/-0.011 χ^2/NDF : 3006512.8/16

Left Out: 36.414+/-0.014 χ^2/NDF : 4659.0/4

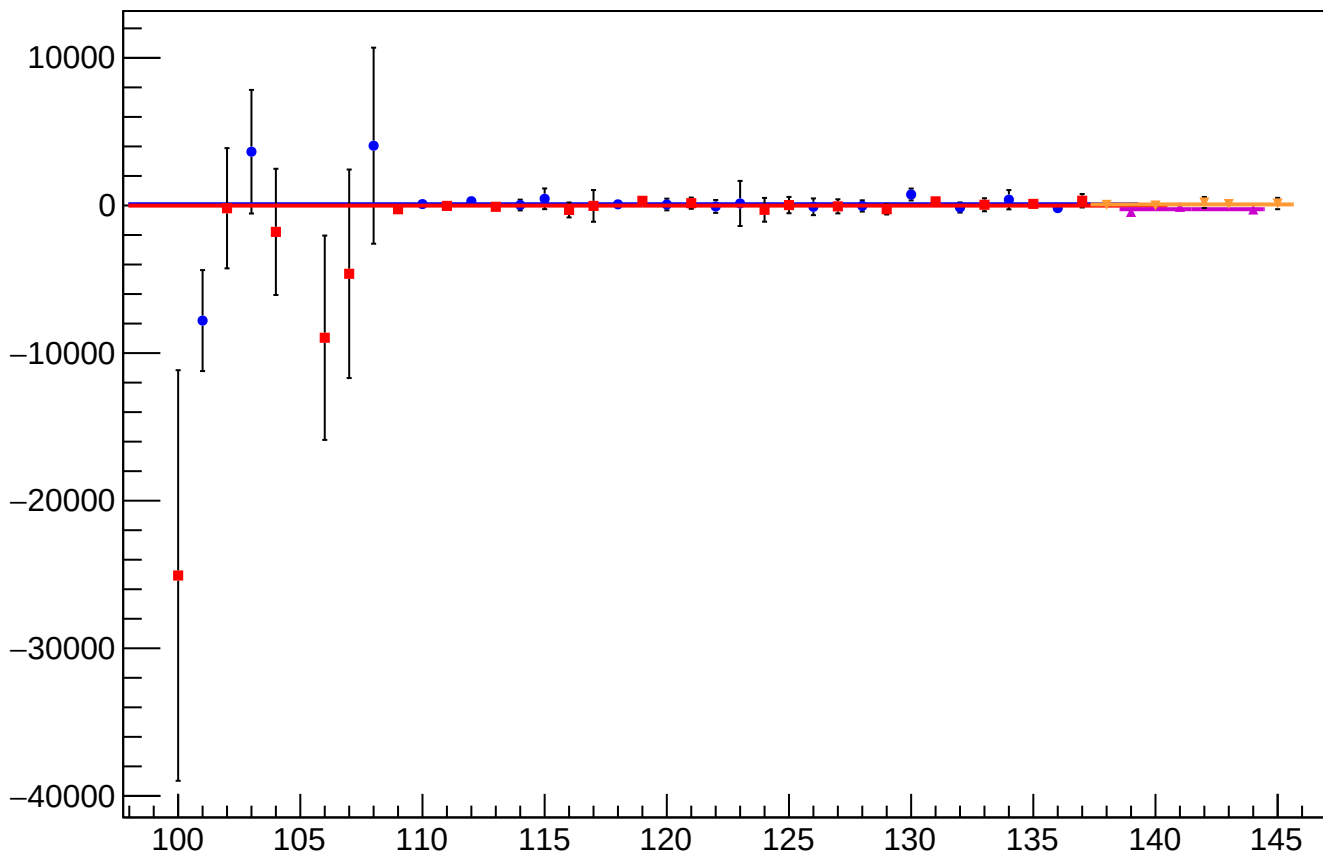
Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

Left In: 35.840+/-0.016 χ^2/NDF : 5662.5/2

34.988+/-0.008 χ^2/NDF : 3027436.3/21

34.483+/-0.009 χ^2/NDF : 3467424.8/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: 72.186+/-138.189 χ^2/NDF : 0.3/4

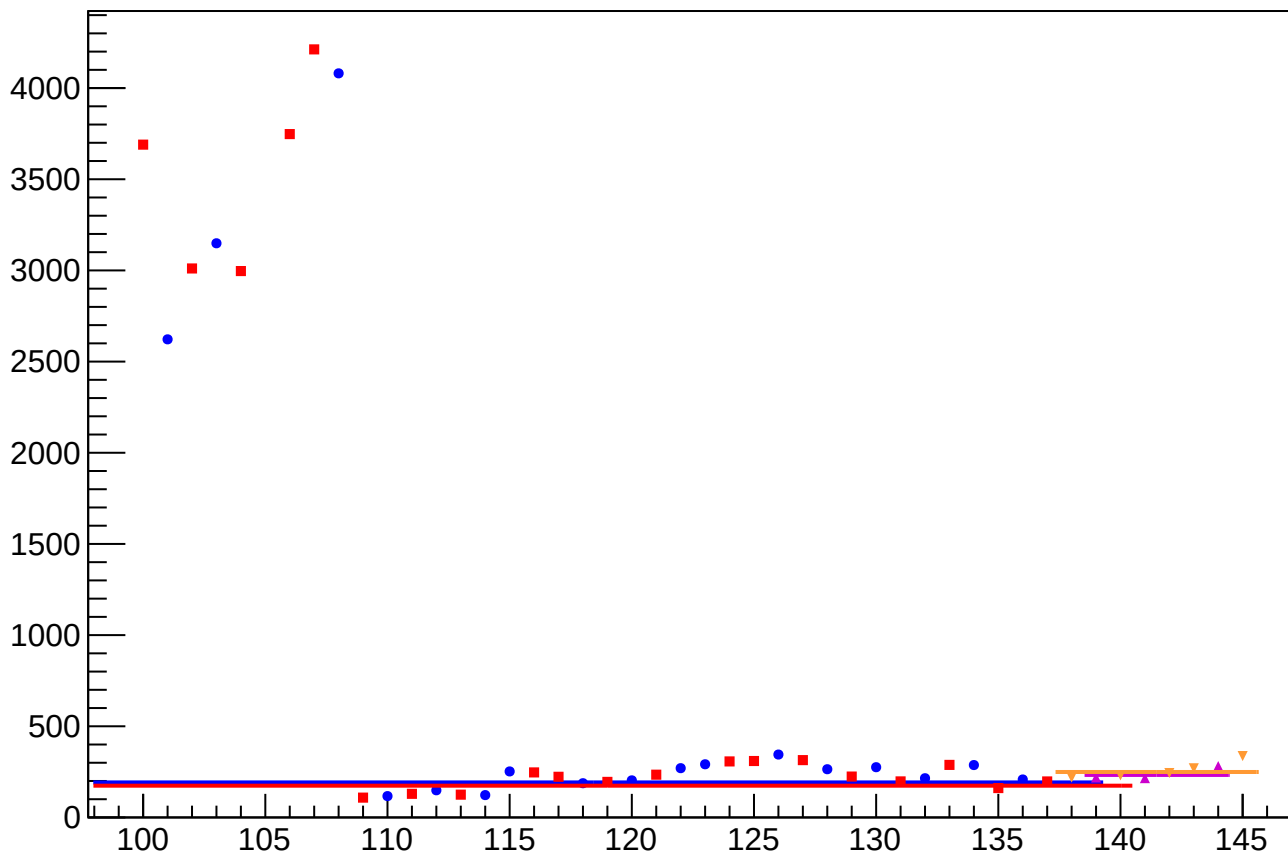
Right Out: -8.682+/-81.026 χ^2/NDF : 11.1/19

Left In: -253.101+/-151.916 χ^2/NDF : 1.0/2

80.907+/-74.673 χ^2/NDF : 12.8/21

-62.813+/-71.493 χ^2/NDF : 14.0/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 249.353+/-0.098 χ^2/NDF : 148479.5/4

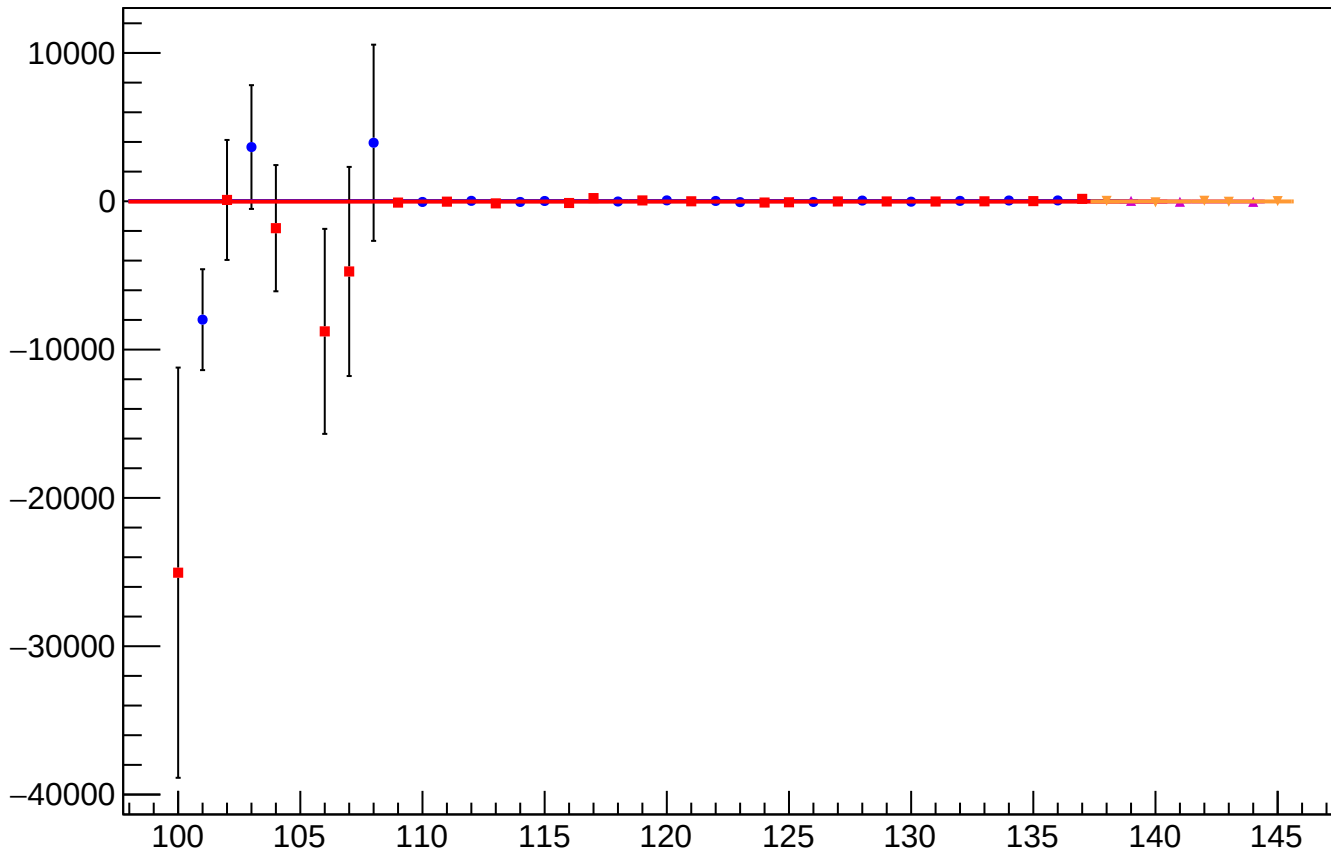
Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

Left In: 233.203+/-0.107 χ^2/NDF : 67089.1/2

208.872+/-0.053 χ^2/NDF : 3965504.9/21

187.298+/-0.051 χ^2/NDF : 4517416.4/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -11.090+/-18.290 χ^2/NDF : 5.2/4

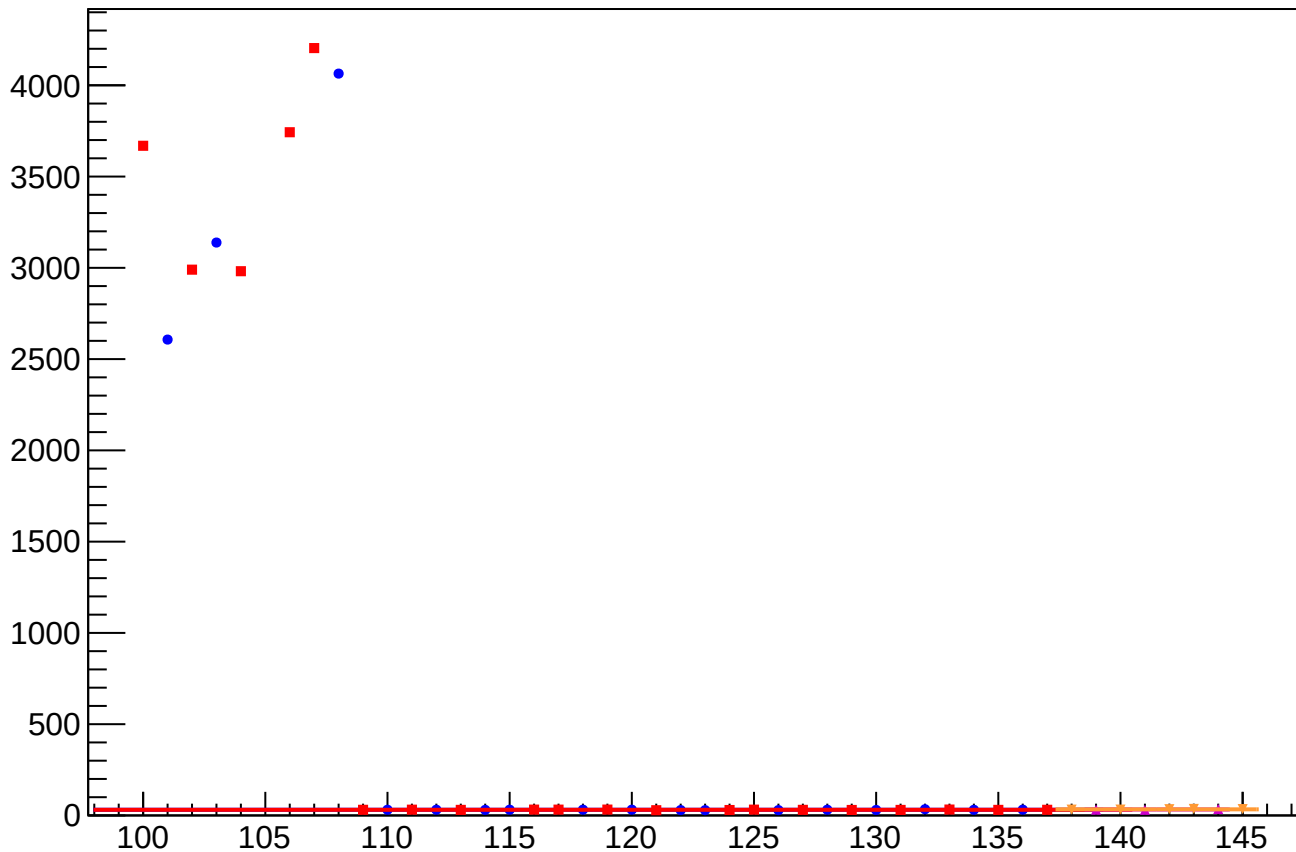
Right Out: -20.740+/-13.606 χ^2/NDF : 30.4/19

Left In: -14.920+/-21.009 χ^2/NDF : 1.9/2

4.164+/-10.977 χ^2/NDF : 20.9/21

-19.020+/-11.420 χ^2/NDF : 32.4/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 33.503+/-0.013 χ^2/NDF :15159.9/4

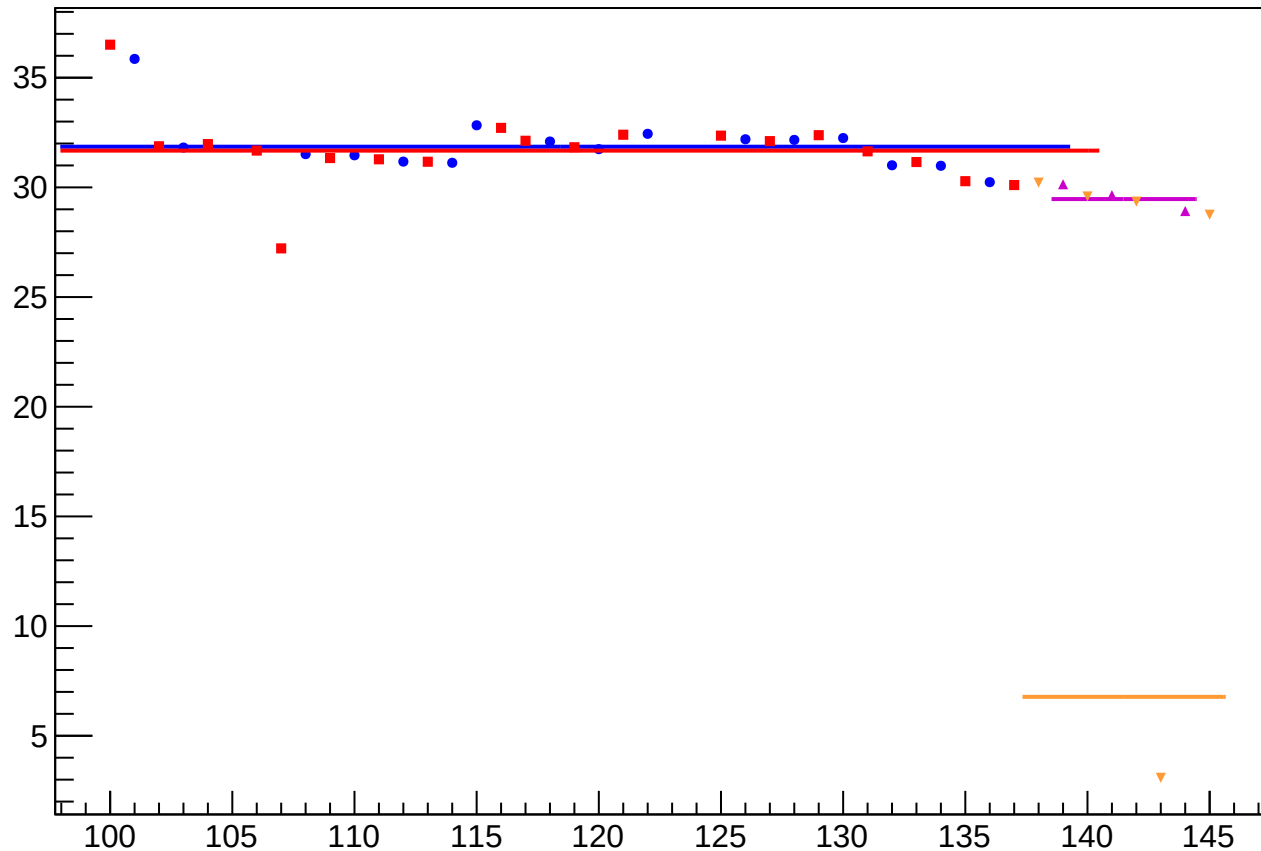
Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

Left In: 32.639+/-0.015 χ^2/NDF :14255.2/2

31.999+/-0.008 χ^2/NDF : 3050797.5/21

31.463+/-0.008 χ^2/NDF : 3482141.9/22

yield_usl_mean vs Slug



Right In: 31.855 ± 0.000 χ^2/NDF : 1570522165.5/15

Left Out: 6.774 ± 0.000 χ^2/NDF : 175828829935.6/4

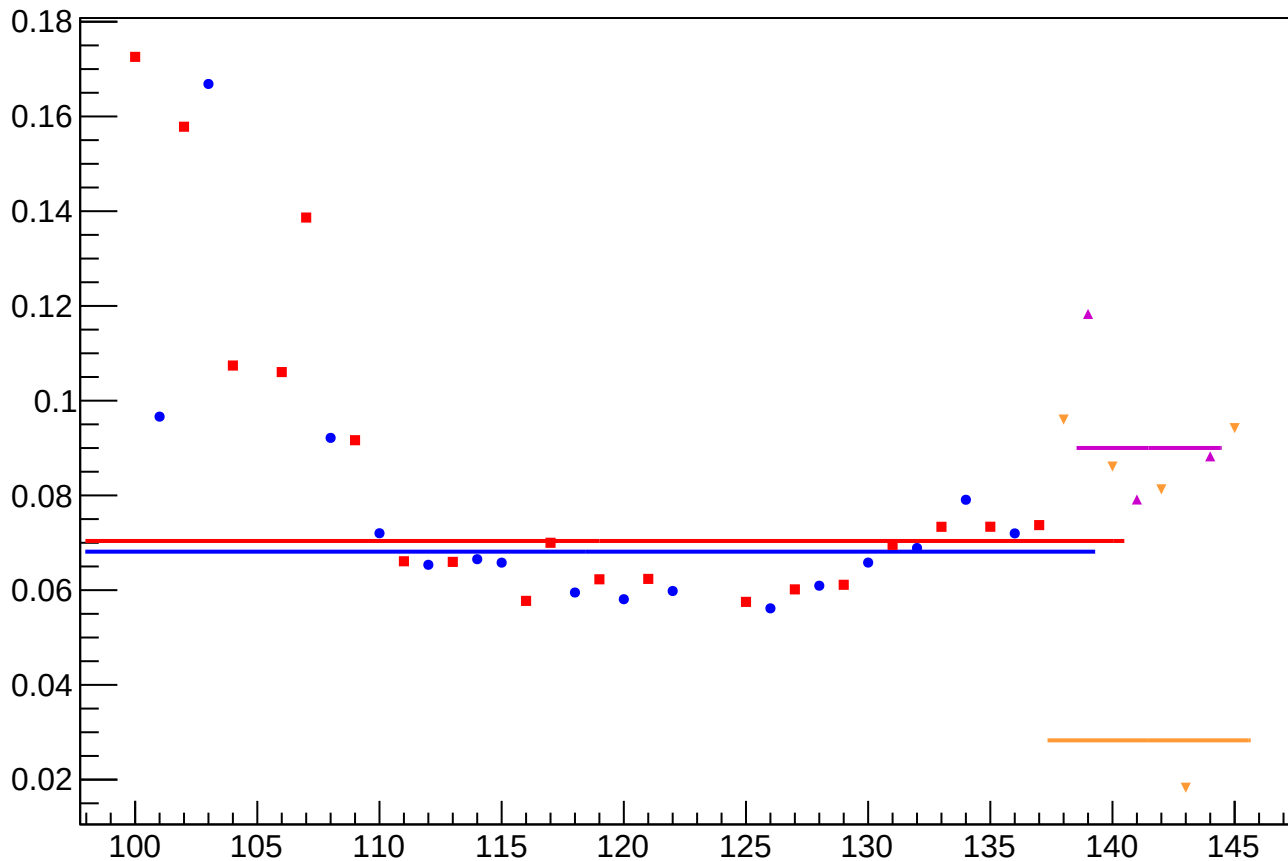
Right Out: 31.676 ± 0.000 χ^2/NDF : 919678295.7/18

Left In: 29.468 ± 0.000 χ^2/NDF : 55729310.2/2

16.110 ± 0.000 χ^2/NDF : 668519646604.8/20

31.281 ± 0.000 χ^2/NDF : 2023742574.7/21

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 2599850.0/4

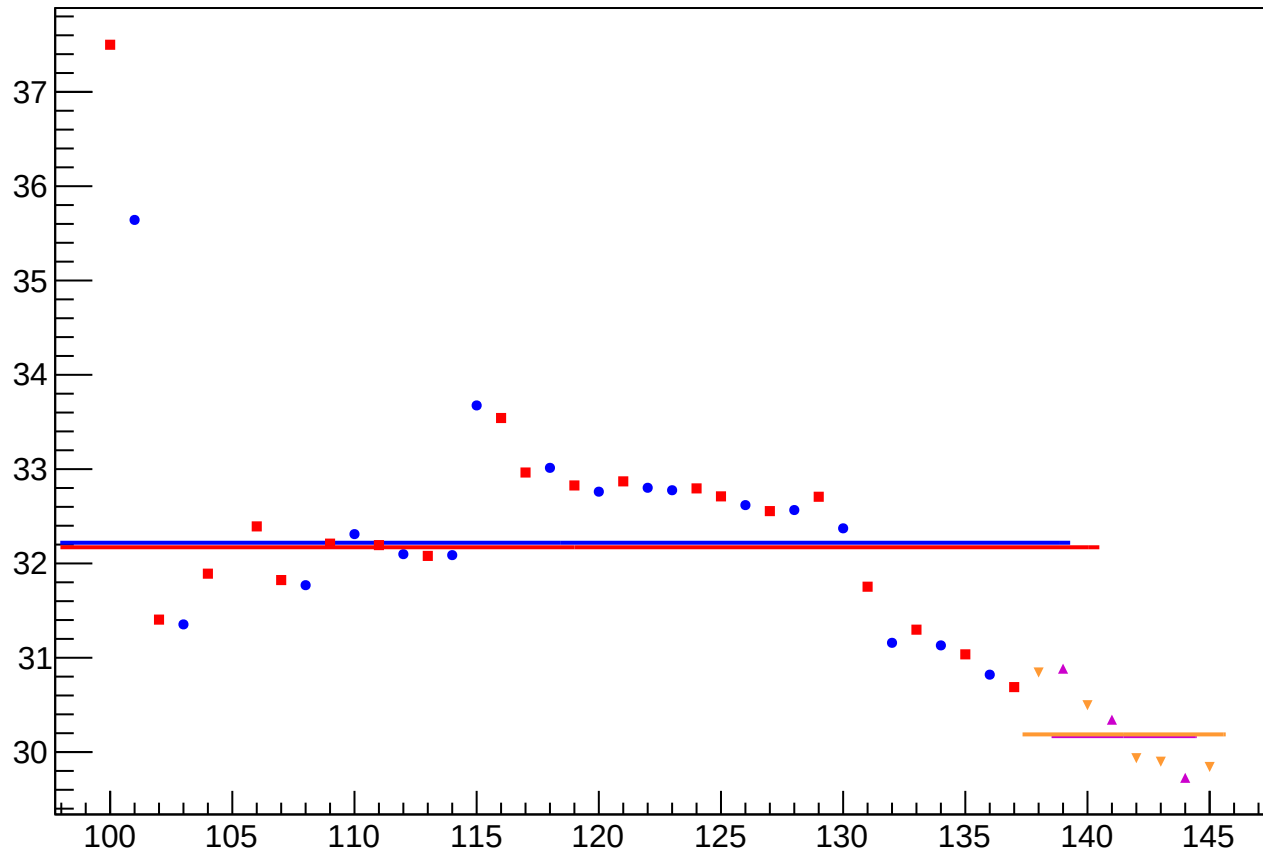
Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841322.7/18

Left In: 0.090 $\pm$ 0.000 χ^2 /NDF: 107013.2/2

0.043 $\pm$ 0.000 χ^2 /NDF: 5707279.7/20

0.074 $\pm$ 0.000 χ^2 /NDF: 1114096.9/21

yield_usr_mean vs Slug



Right In: 32.220 ± 0.000 $\chi^2/NDF: 1013864543.3/16$

Left Out: 30.187 ± 0.000 $\chi^2/NDF: 67116943.0/4$

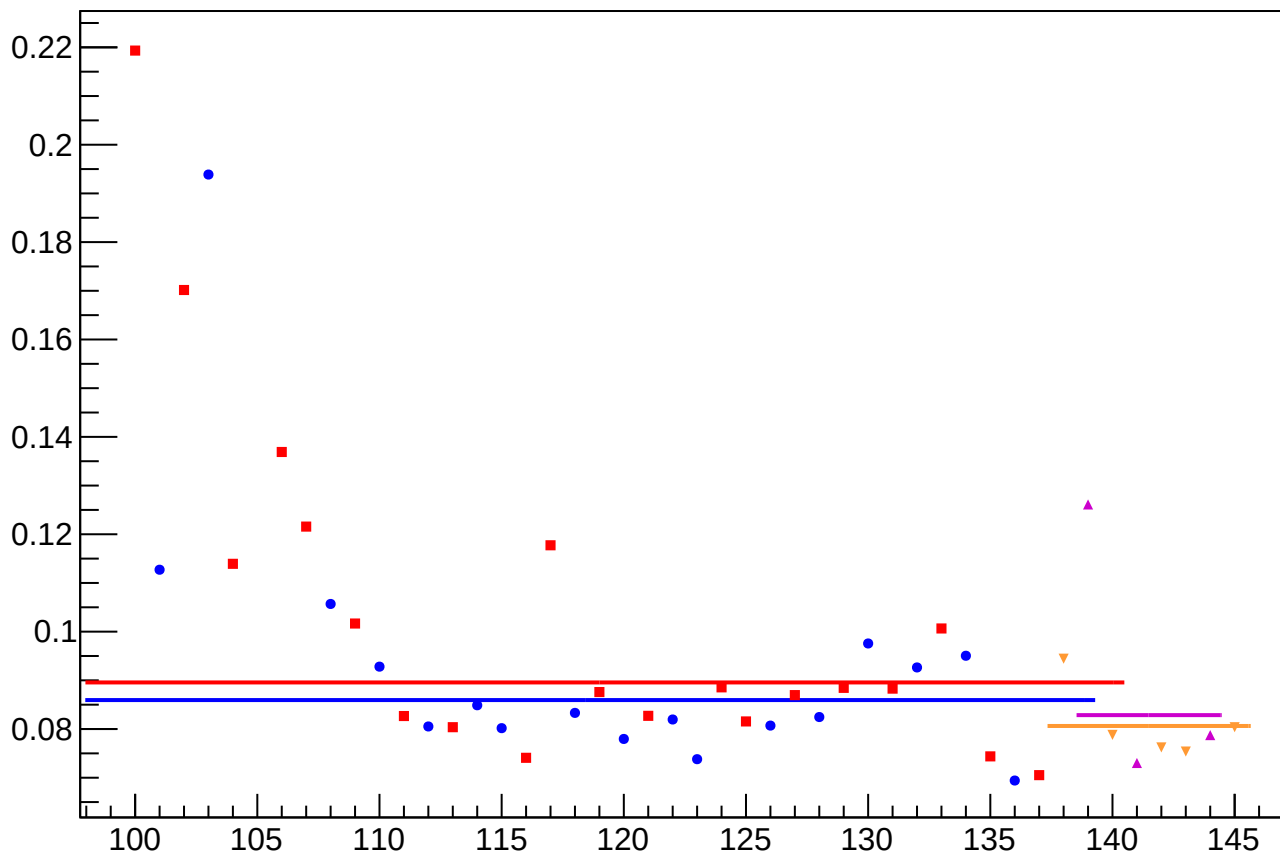
Right Out: 32.171 ± 0.000 $\chi^2/NDF: 444137990.6/19$

Left In: 30.169 ± 0.000 $\chi^2/NDF: 51919810.9/2$

31.479 ± 0.000 $\chi^2/NDF: 2260814199.9/21$

31.592 ± 0.000 $\chi^2/NDF: 1390203543.3/22$

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 553280.3/16

Left Out: 0.081 $\pm$ 0.000 χ^2 /NDF:36983.4/4

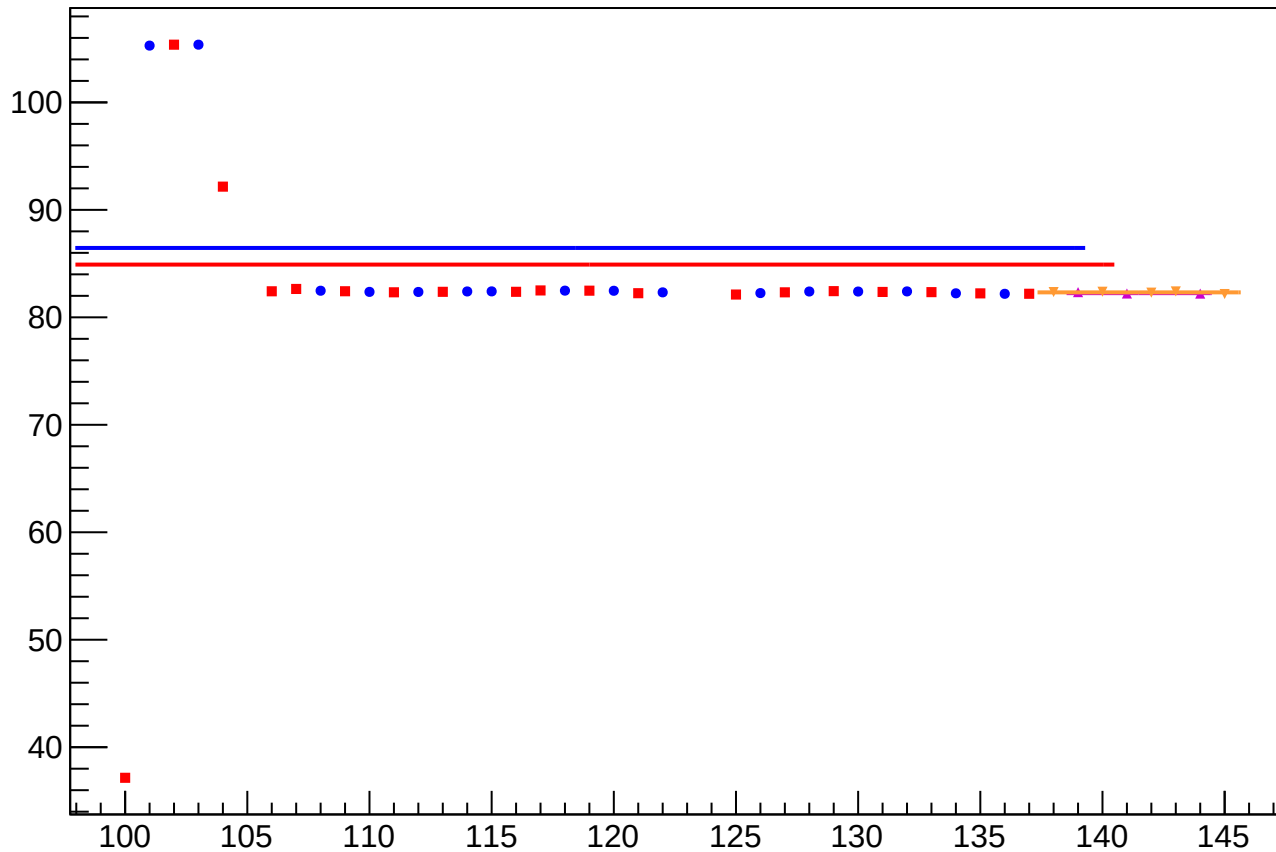
Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 544516.7/19

Left In: 0.083 $\pm$ 0.000 χ^2 /NDF:197599.6/2

0.084 $\pm$ 0.000 χ^2 /NDF: 606436.1/21

0.088 $\pm$ 0.000 χ^2 /NDF: 762209.4/22

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.323+/-0.000 χ^2/NDF : 13708970.2/4

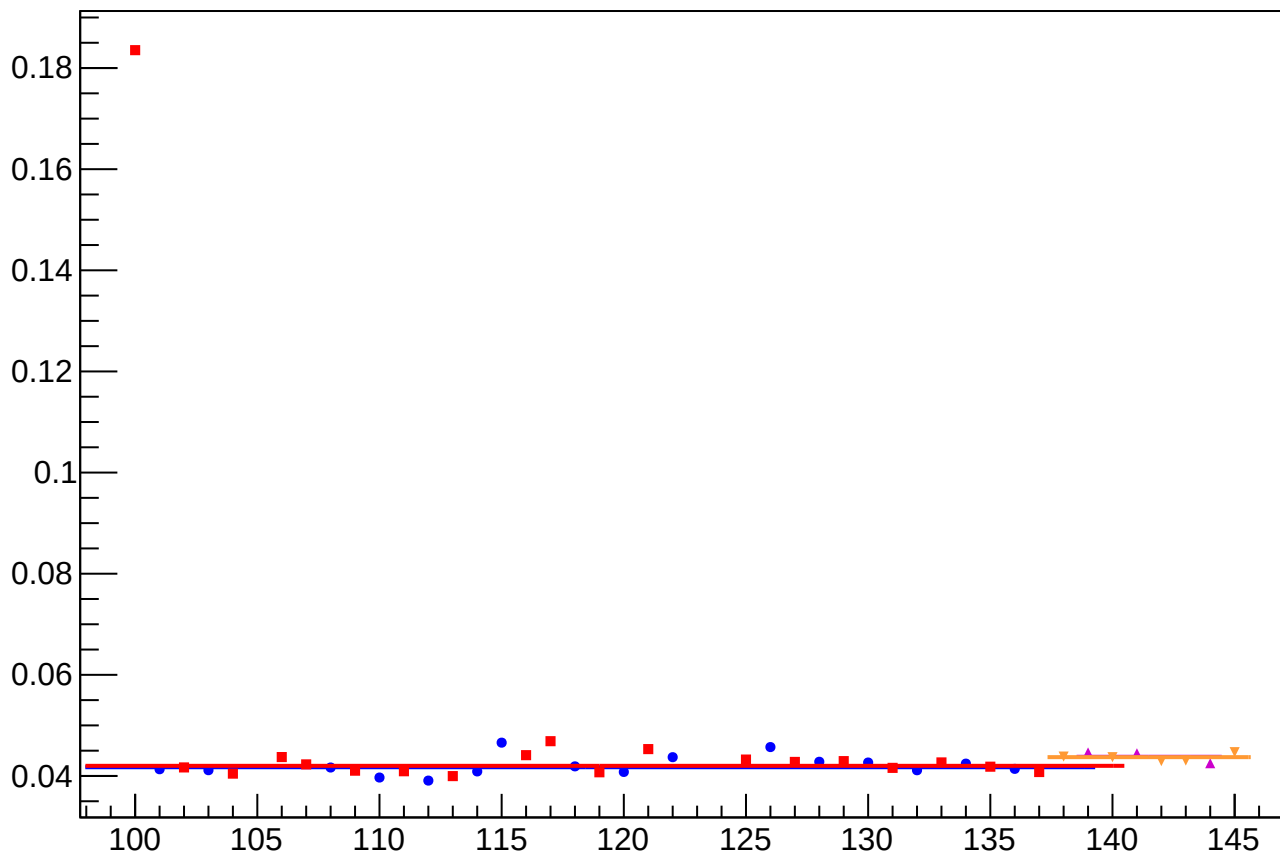
Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

Left In: 82.251+/-0.000 χ^2/NDF : 4572114.5/2

85.147+/-0.000 χ^2/NDF : 311841973269.0/20

84.267+/-0.000 χ^2/NDF : 178996580695.4/21

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 18887.0/15

Left Out: 0.044 $\pm$ 0.000 χ^2 /NDF:1348.6/4

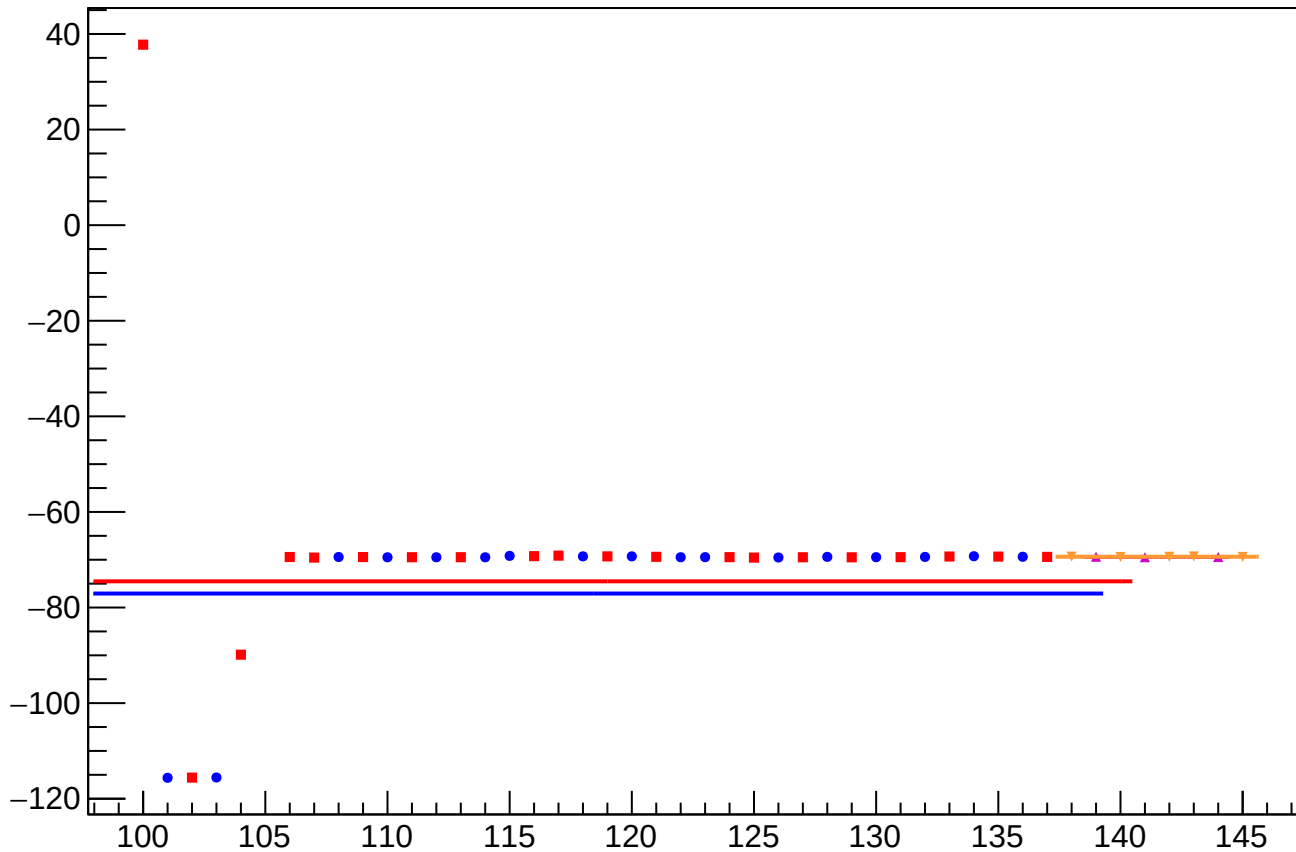
Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 97785.5/18

Left In: 0.044 $\pm$ 0.000 χ^2 /NDF:2448.1/2

0.042 $\pm$ 0.000 χ^2 /NDF: 29721.7/20

0.042 $\pm$ 0.000 χ^2 /NDF: 106298.3/21

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

-74.462+/-0.000 χ^2/NDF : 603890480597.7/21

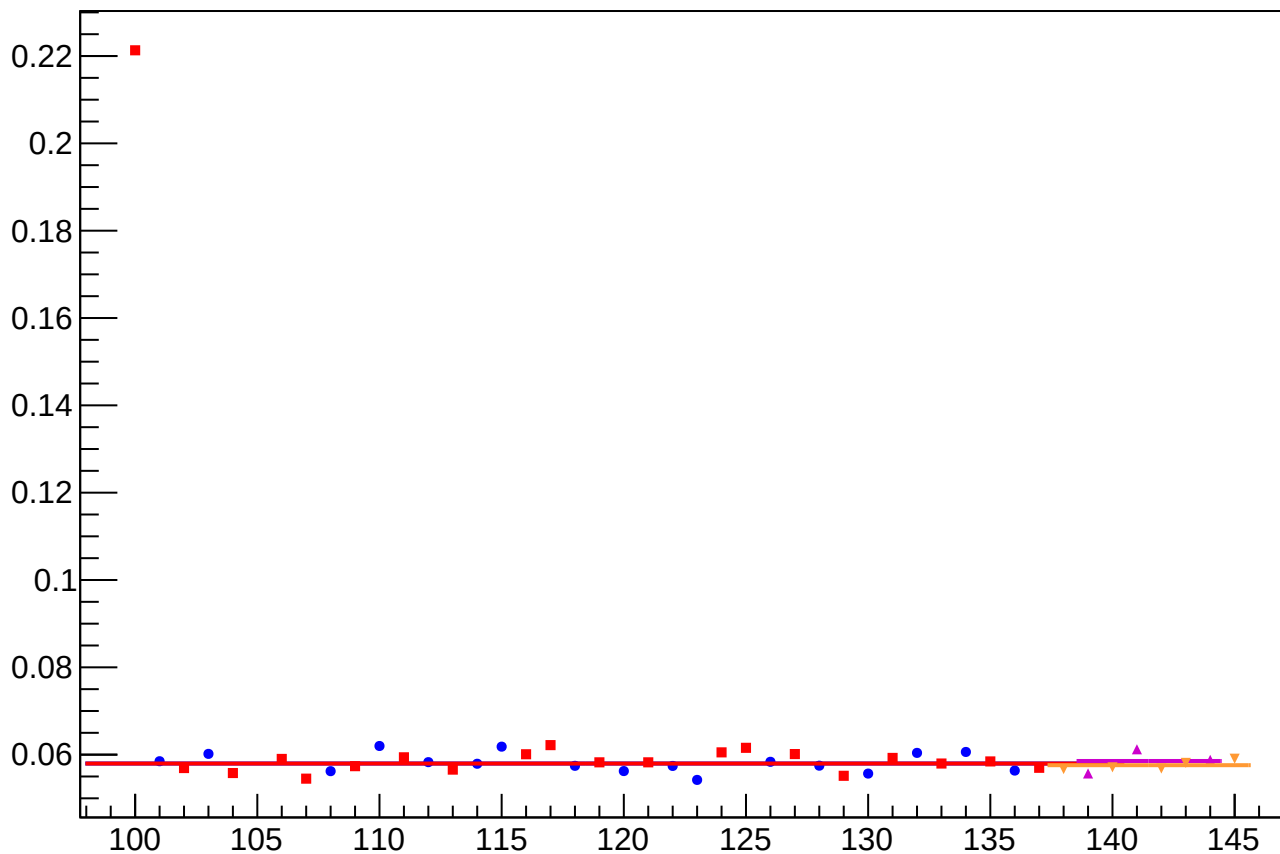
Left Out: -69.378+/-0.000 χ^2/NDF : 1699336.9/4

Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

-73.244+/-0.000 χ^2/NDF : 385550515718.6/22

Left In: -69.418+/-0.000 χ^2/NDF : 1164250.8/2

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.058+/-0.000 χ^2/NDF : 1654.2/4

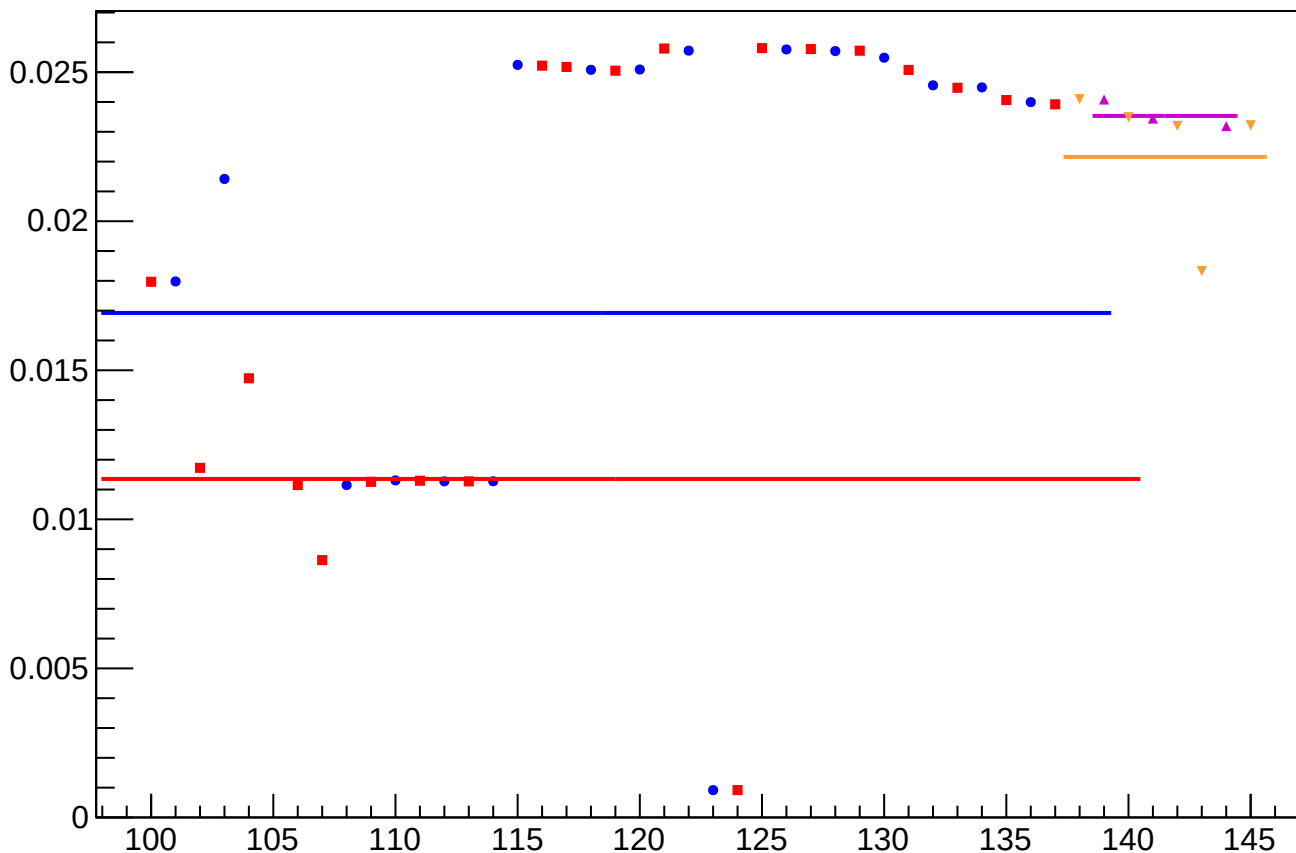
Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

Left In: 0.059+/-0.000 χ^2/NDF : 6861.1/2

0.058+/-0.000 χ^2/NDF : 14120.8/21

0.058+/-0.000 χ^2/NDF : 94074.4/22

yield_atl1_mean vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 126447785006.7/16

Left Out: 0.022+/-0.000 χ^2/NDF : 2933753172.8/4

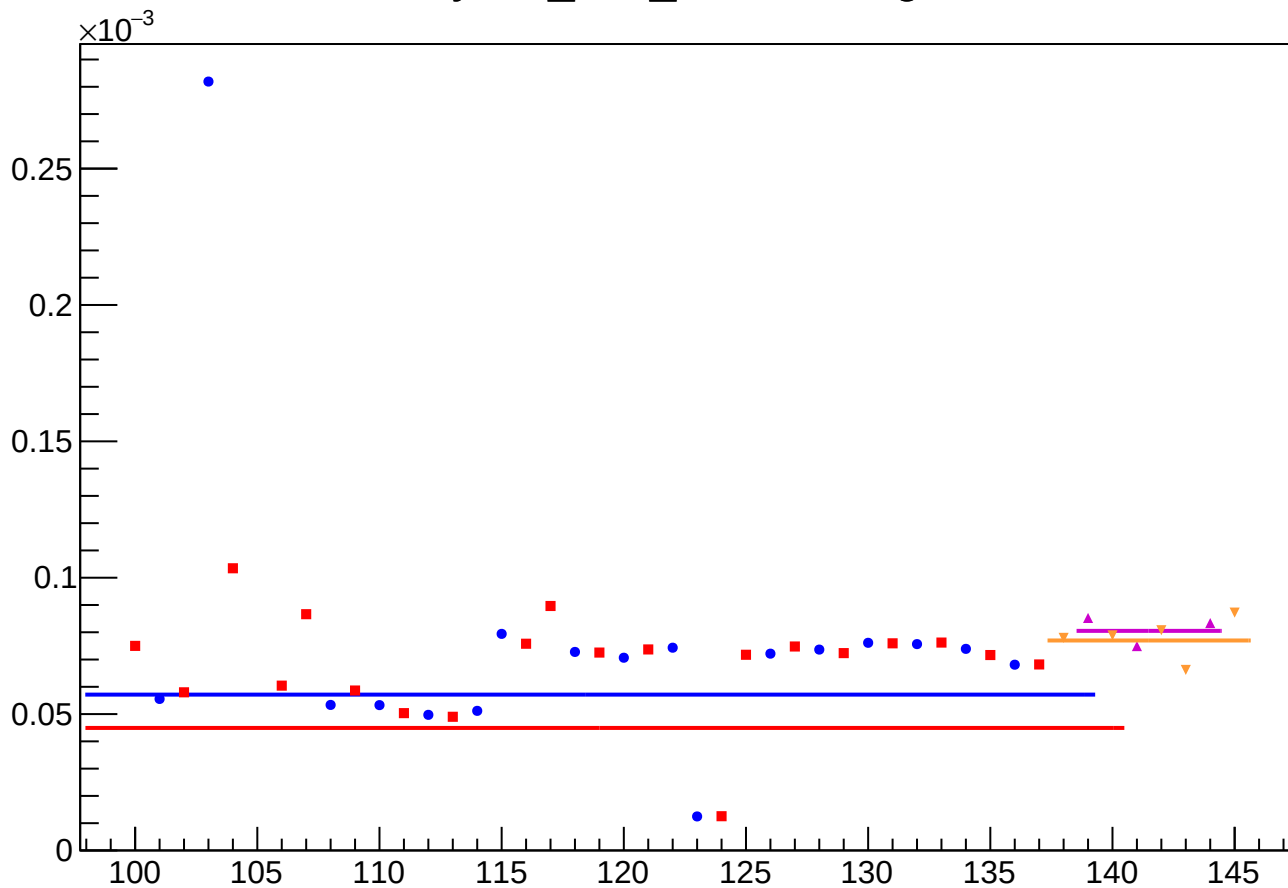
Right Out: 0.011+/-0.000 χ^2/NDF : 235754579473.9/19

Left In: 0.024+/-0.000 χ^2/NDF : 44776333.3/2

0.018+/-0.000 χ^2/NDF : 140516611672.2/21

0.013+/-0.000 χ^2/NDF : 282399682137.5/22

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 56465.9/4

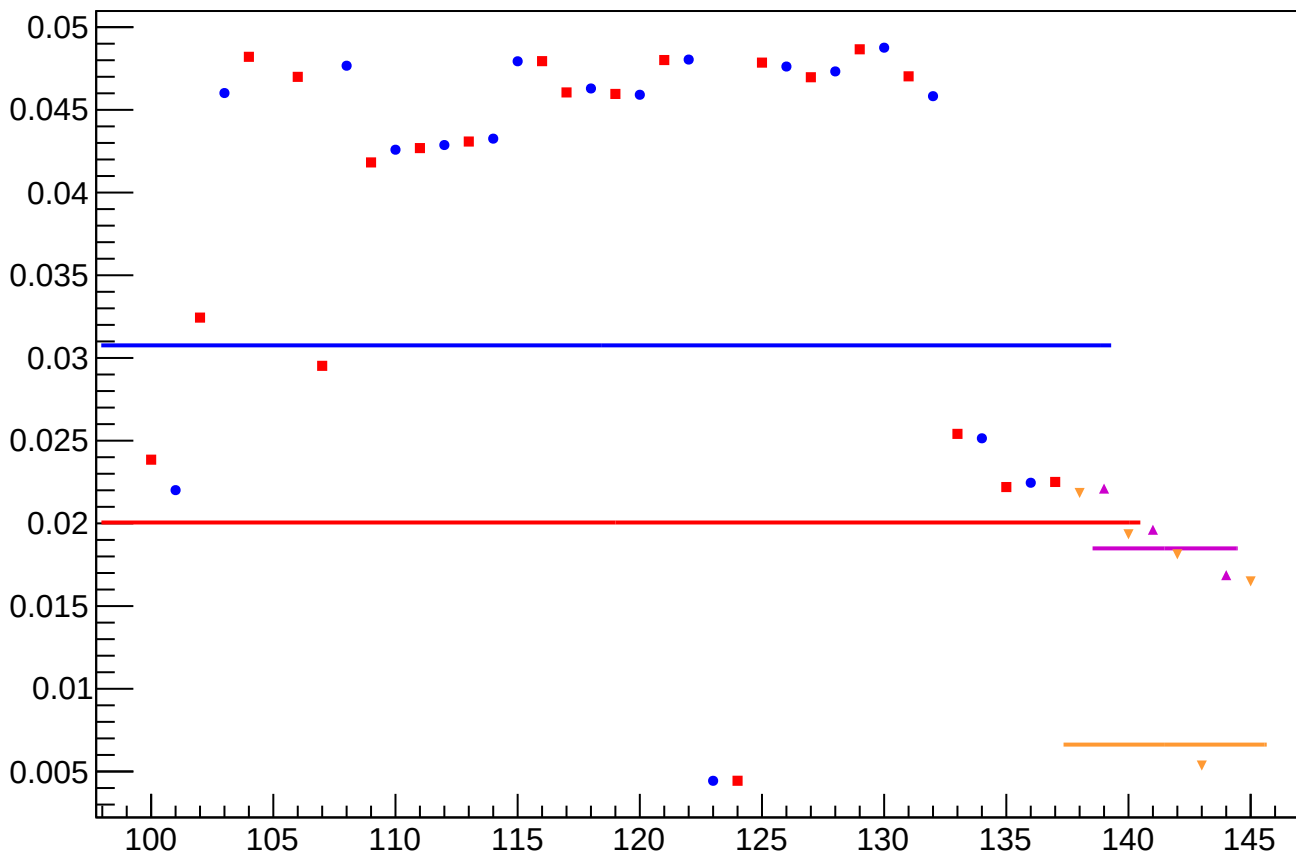
Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

Left In: 0.000+/-0.000 χ^2/NDF : 15329.2/2

0.000+/-0.000 χ^2/NDF : 2377307.8/21

0.000+/-0.000 χ^2/NDF : 4424494.2/22

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.007+/-0.000 χ^2/NDF : 5807061611.4/4

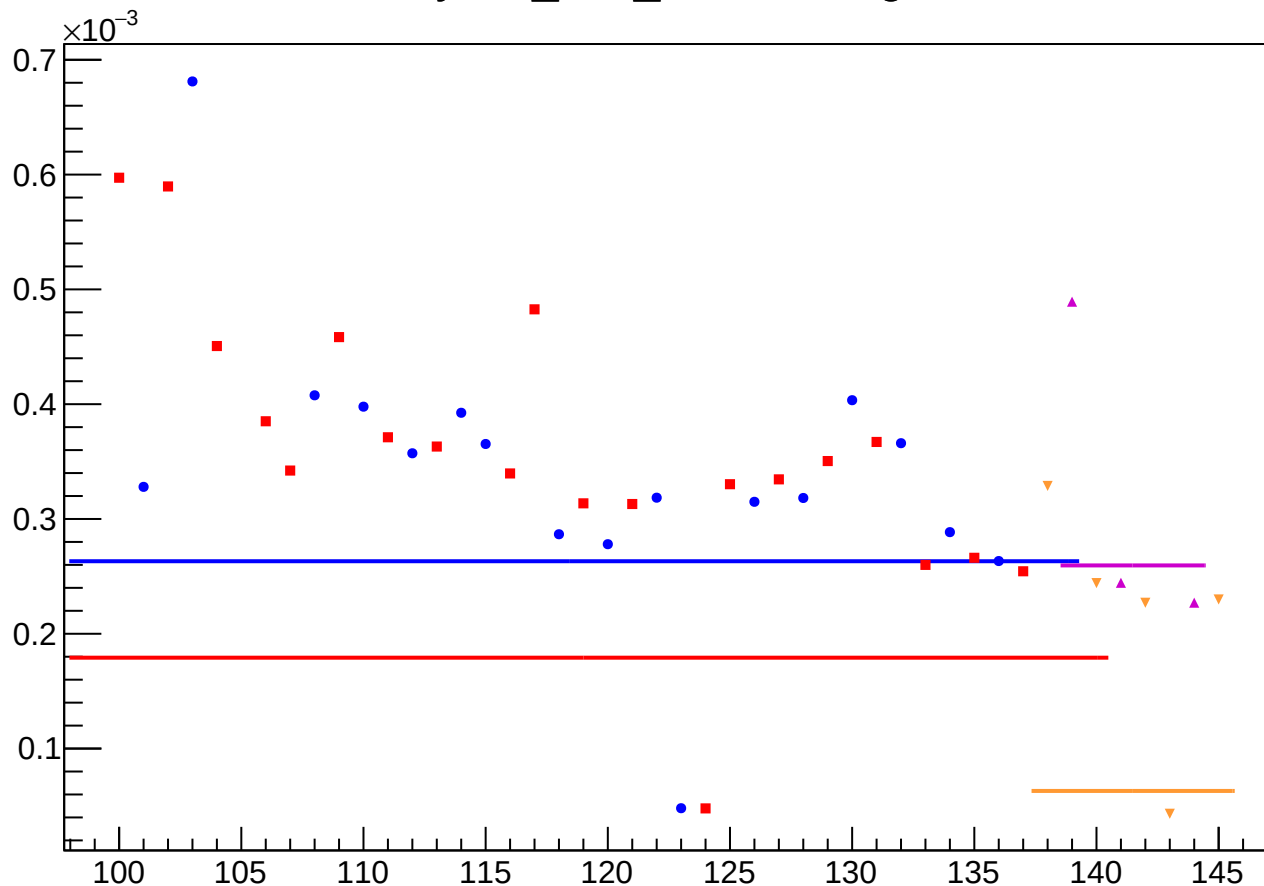
0.010+/-0.000 χ^2/NDF : 61700546541.9/21

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

0.020+/-0.000 χ^2/NDF : 40285793506.2/22

Left In: 0.018+/-0.000 χ^2/NDF : 93261042.4/2

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :2889355.2/4

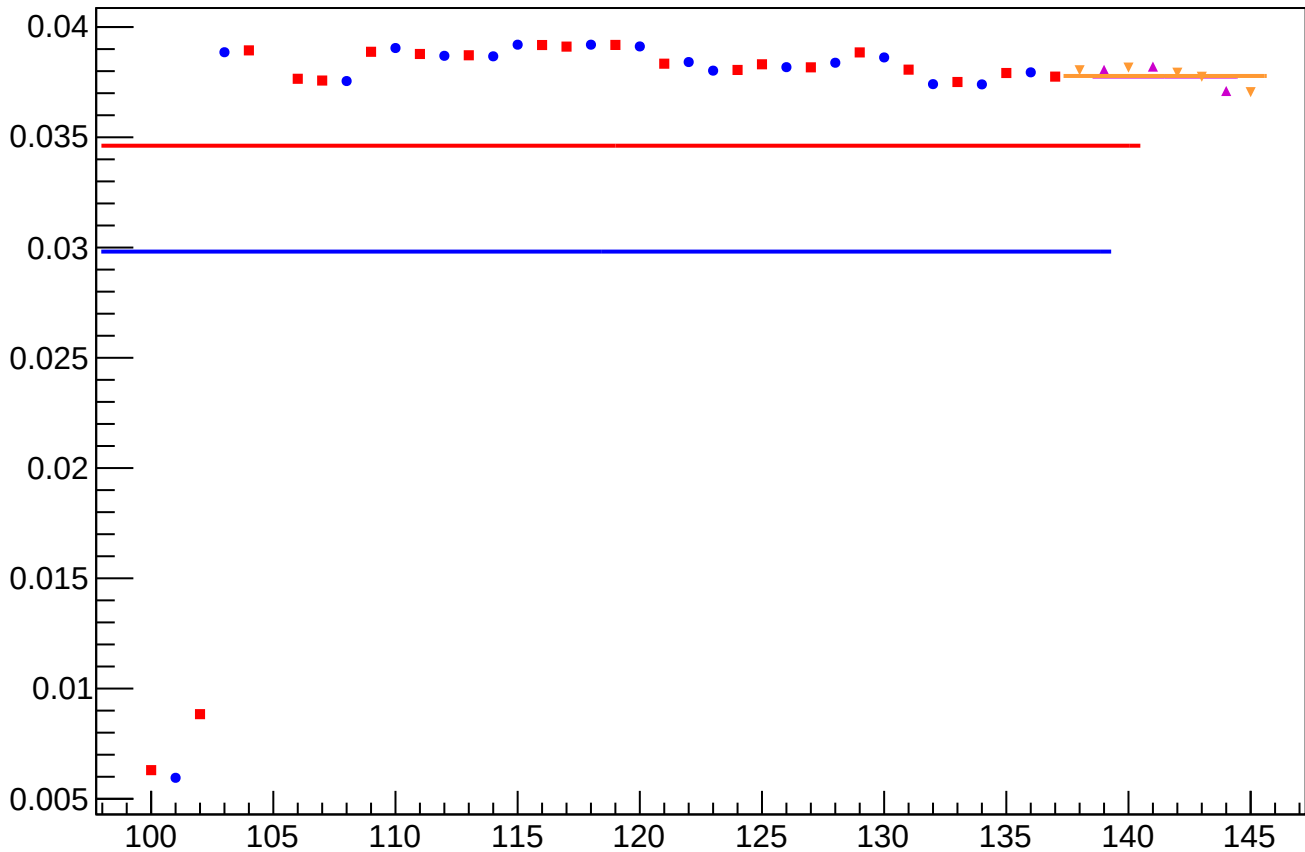
Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

Left In: 0.000+/-0.000 χ^2/NDF :346720.5/2

0.000+/-0.000 χ^2/NDF : 10063263.2/21

0.000+/-0.000 χ^2/NDF : 6031435.7/22

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.038 $\pm$ 0.000 χ^2 /NDF: 25769537.6/4

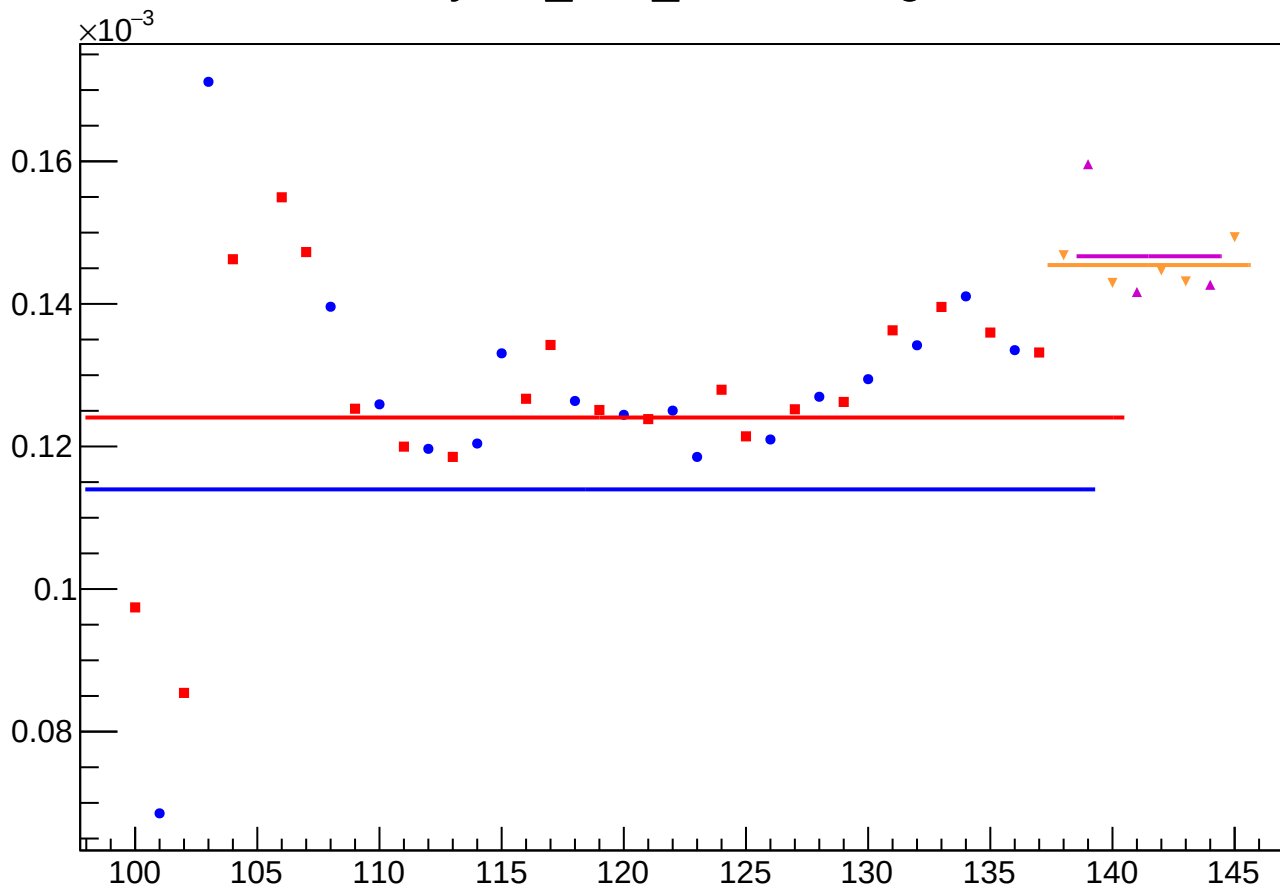
0.032 $\pm$ 0.000 χ^2 /NDF: 104453535104.0/21

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43717644957.2/19

0.035 $\pm$ 0.000 χ^2 /NDF: 44599967846.2/22

Left In: 0.038 $\pm$ 0.000 χ^2 /NDF: 28132497.1/2

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :1925.5/4

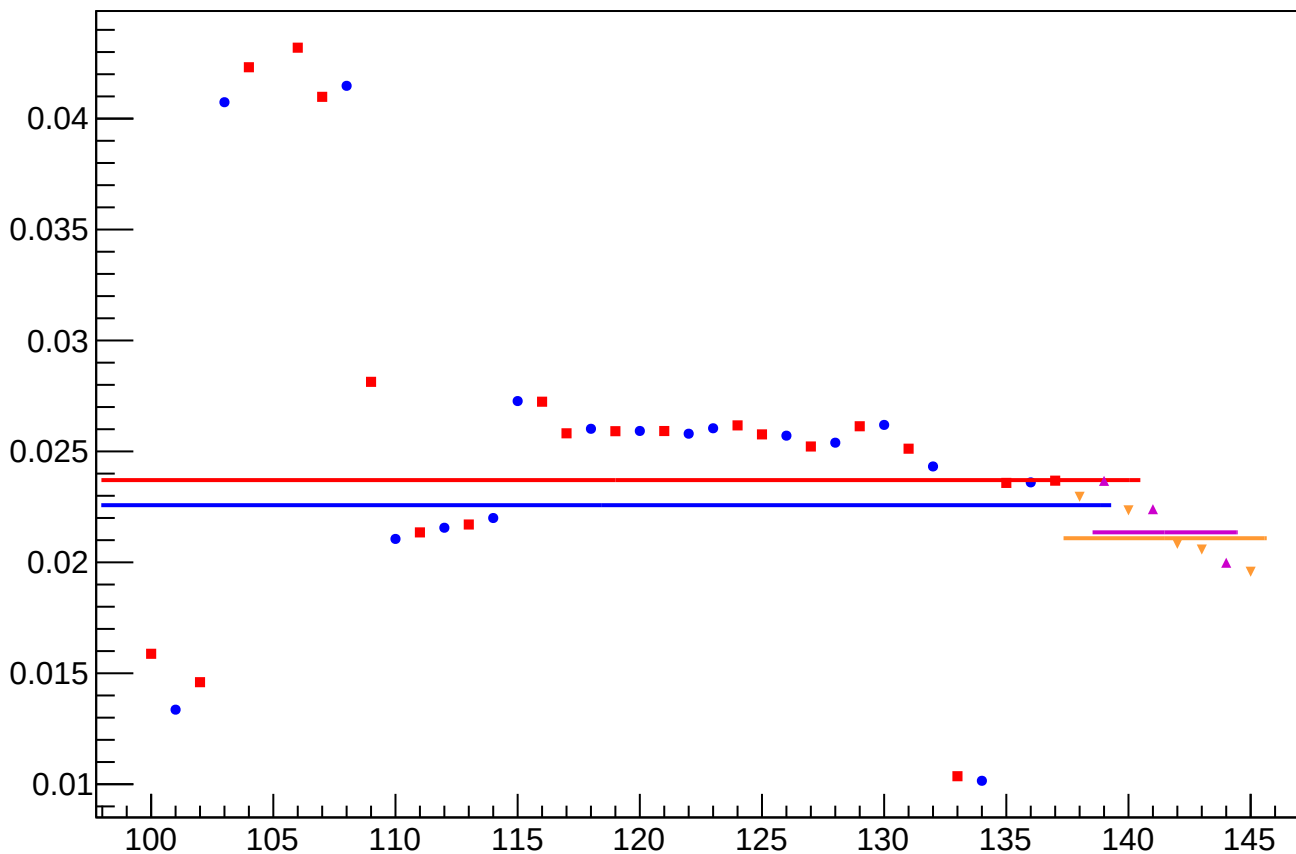
Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

Left In: 0.000+/-0.000 χ^2/NDF :12653.7/2

0.000+/-0.000 χ^2/NDF : 1023653.4/21

0.000+/-0.000 χ^2/NDF : 347166.6/22

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.021+/-0.000 χ^2/NDF : 77981570.8/4

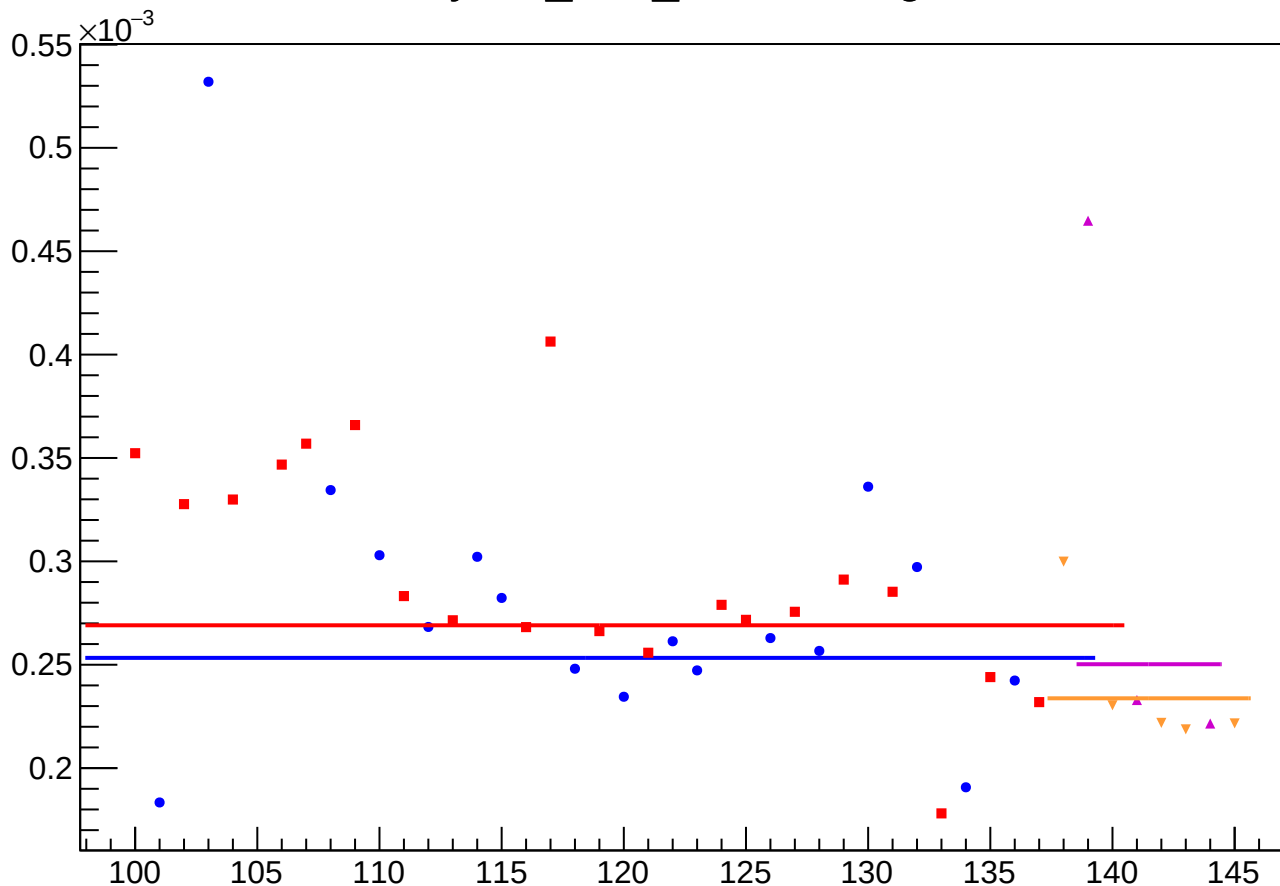
Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

Left In: 0.021+/-0.000 χ^2/NDF : 62427936.3/2

0.022+/-0.000 χ^2/NDF : 4398444694.5/21

0.023+/-0.000 χ^2/NDF : 5846813445.4/22

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 73090.5/4

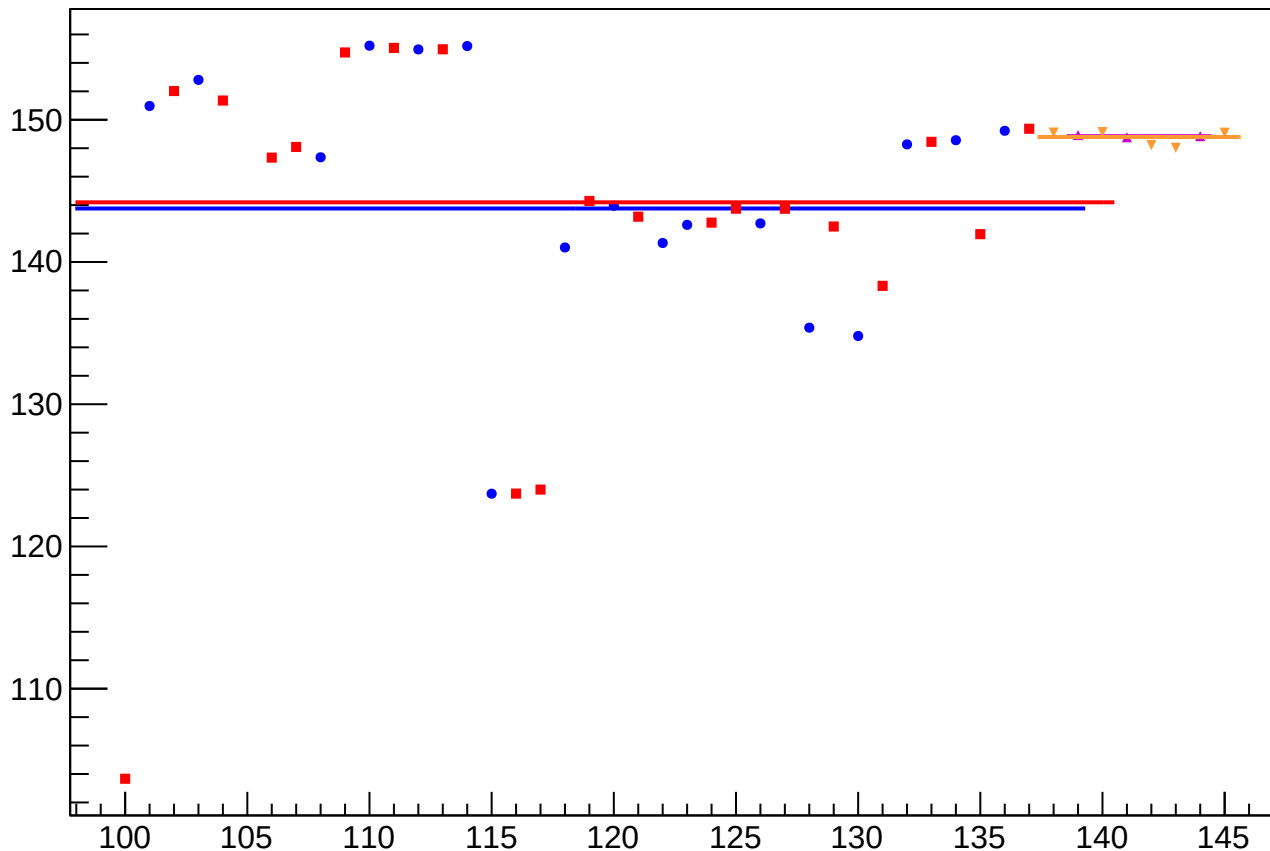
Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

Left In: 0.000+/-0.000 χ^2/NDF : 333238.5/2

0.000+/-0.000 χ^2/NDF : 727318.6/21

0.000+/-0.000 χ^2/NDF : 787818.5/22

yield_bcm_an_ds_mean vs Slug



Right In: 143.763 ± 0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.790 ± 0.000 χ^2/NDF : 7091630.3/4

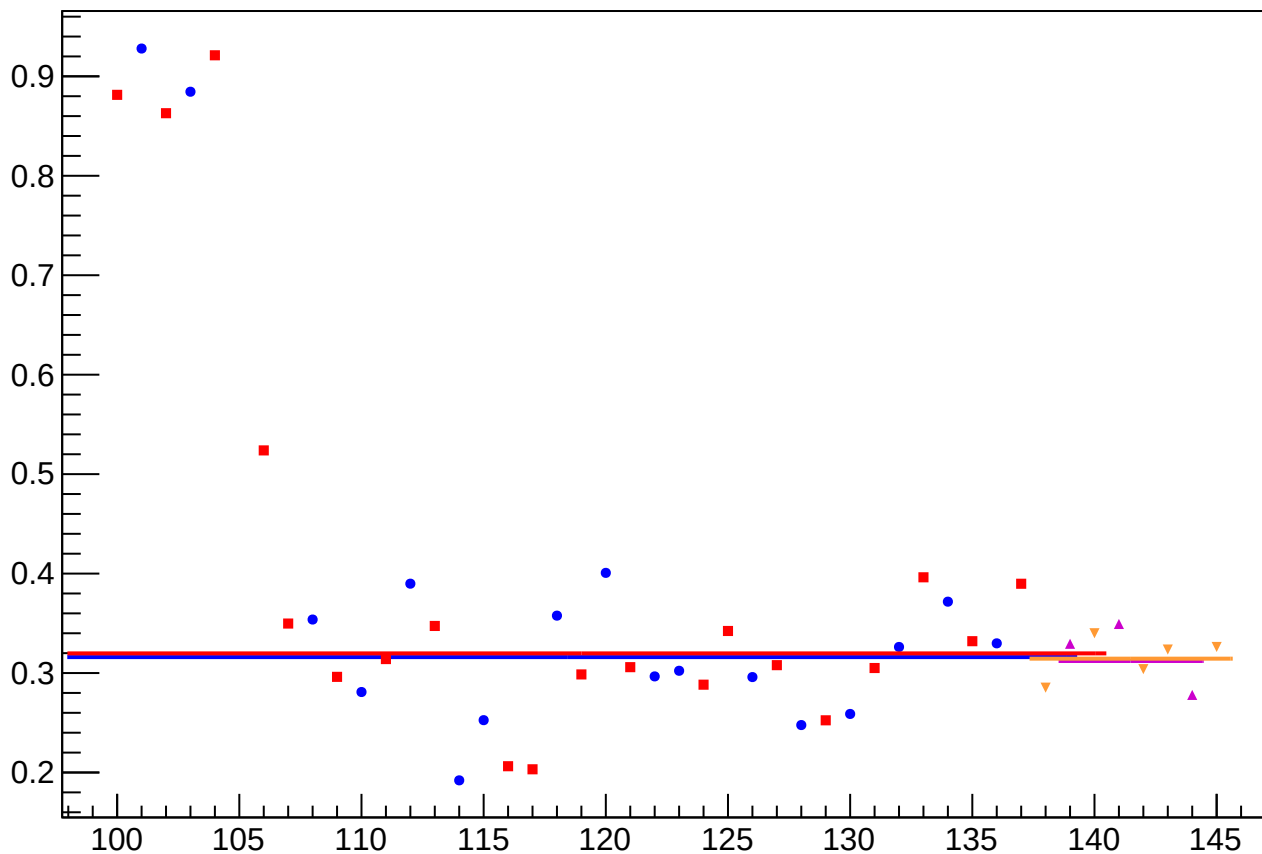
Right Out: 144.197 ± 0.000 χ^2/NDF : 4523139755.0/19

Left In: 148.848 ± 0.000 χ^2/NDF : 79817.7/2

145.616 ± 0.000 χ^2/NDF : 4060046146.4/21

145.560 ± 0.000 χ^2/NDF : 4887708429.8/22

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 ± 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.314 ± 0.000 χ^2/NDF : 27505.0/4

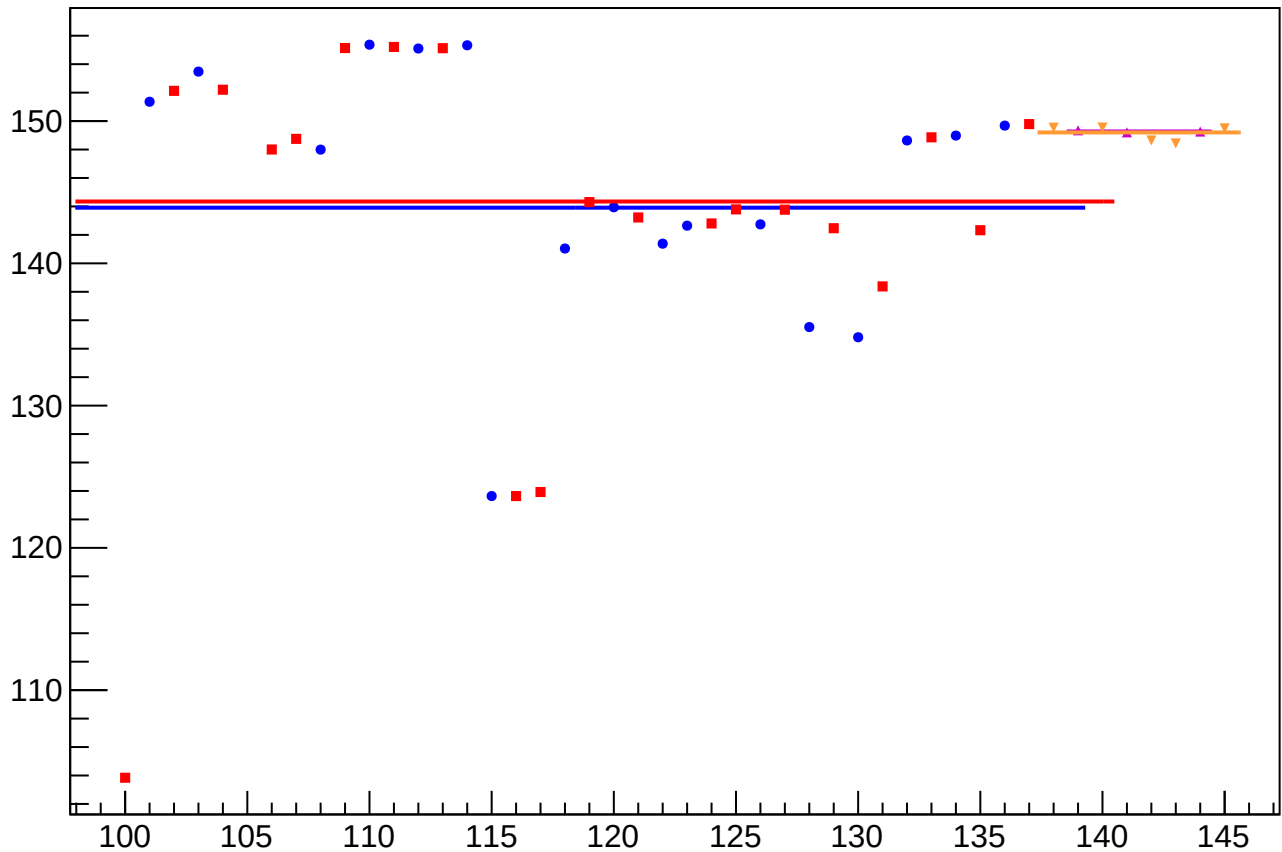
Right Out: 0.320 ± 0.000 χ^2/NDF : 1241752.3/19

Left In: 0.312 ± 0.000 χ^2/NDF : 47292.1/2

0.315 ± 0.000 χ^2/NDF : 1293527.4/21

0.318 ± 0.000 χ^2/NDF : 1291004.3/22

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 149.202 $\pm$ 0.000 χ^2 /NDF: 7173434.5/4

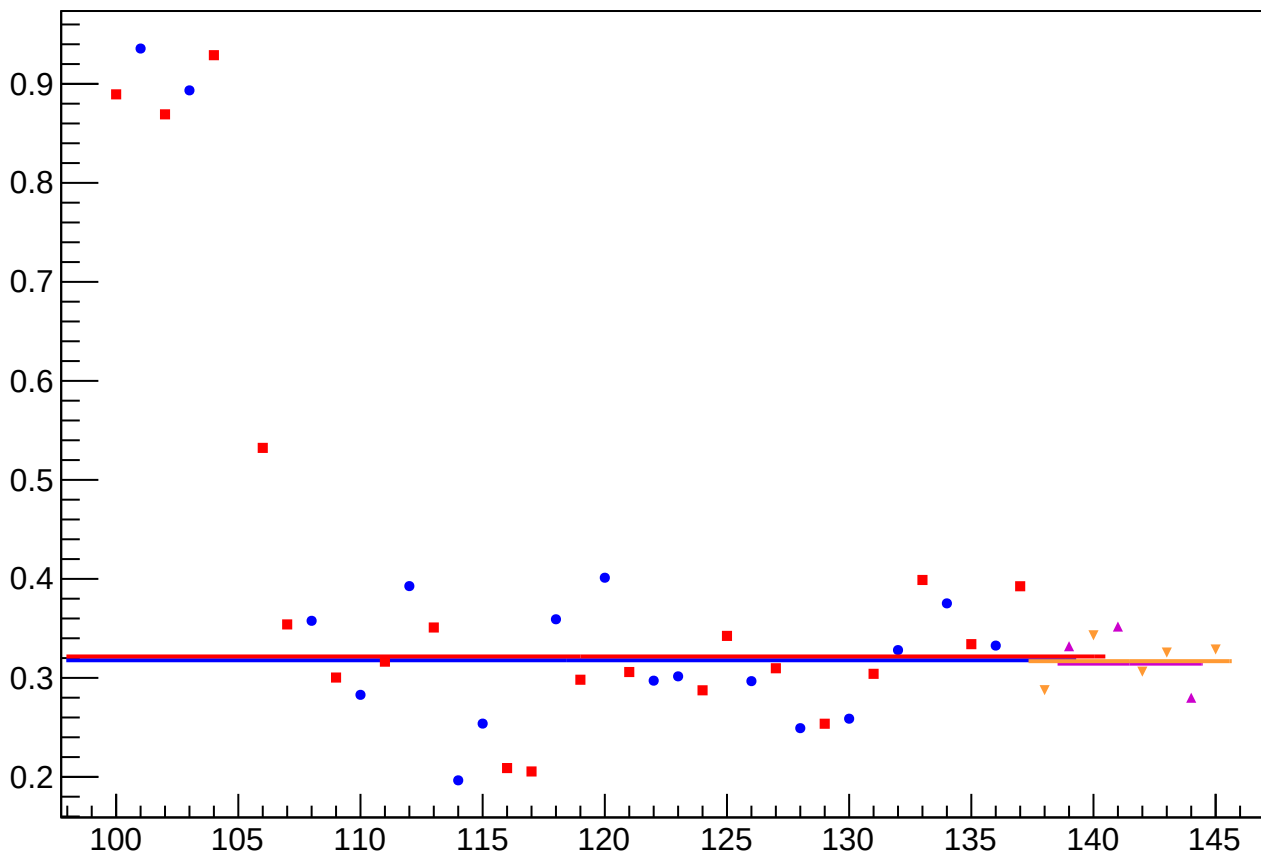
145.858 $\pm$ 0.000 χ^2 /NDF: 4160945322.5/21

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

145.787 $\pm$ 0.000 χ^2 /NDF: 4953742463.2/22

Left In: 149.272 $\pm$ 0.000 χ^2 /NDF: 69048.4/2

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.317+/-0.000 χ^2/NDF : 27533.6/4

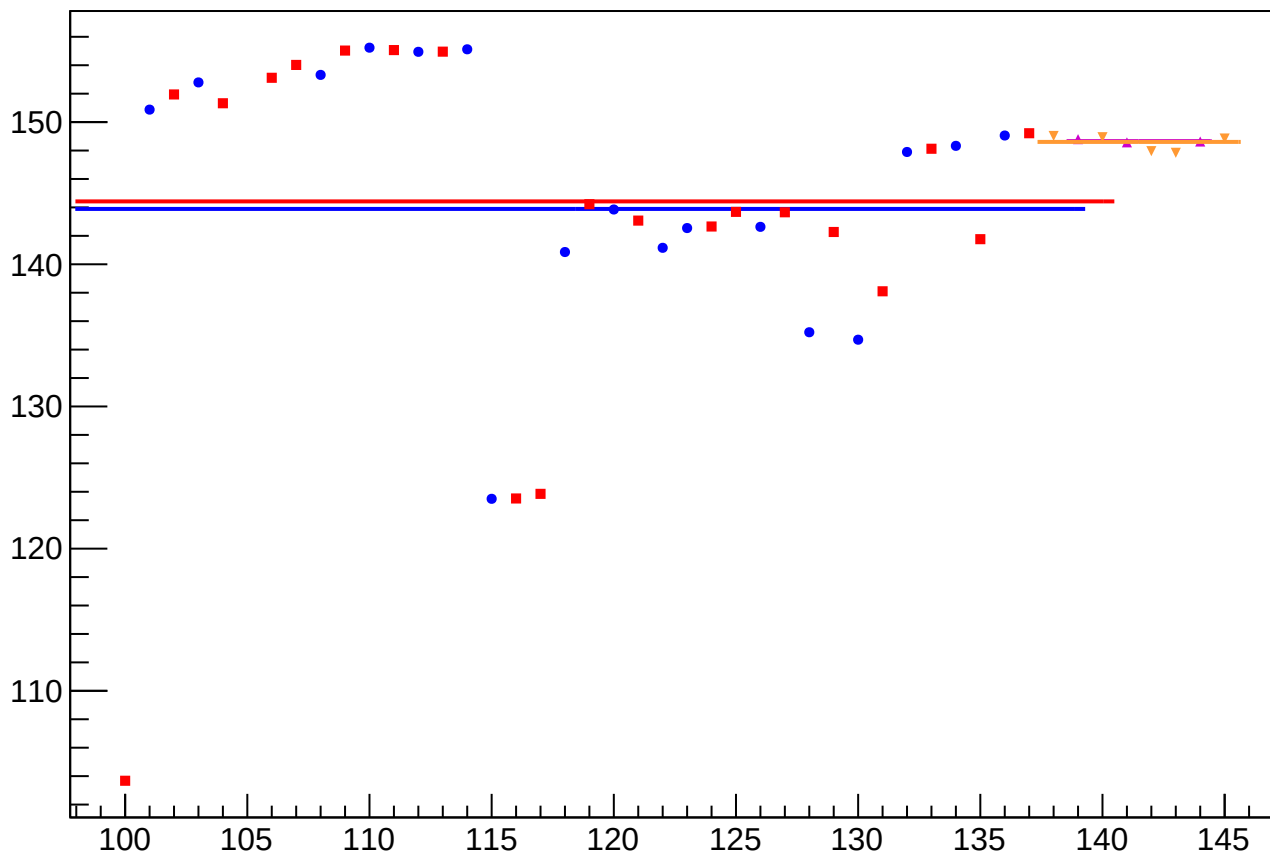
Right Out: 0.322+/-0.000 χ^2/NDF : 1244304.0/19

Left In: 0.314+/-0.000 χ^2/NDF : 47453.9/2

0.317+/-0.000 χ^2/NDF : 1295825.3/21

0.320+/-0.000 χ^2/NDF : 1293498.0/22

yield_bcm_an_us_mean vs Slug



Right In: 143.893 ± 0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.607 ± 0.000 χ^2/NDF : 7938262.6/4

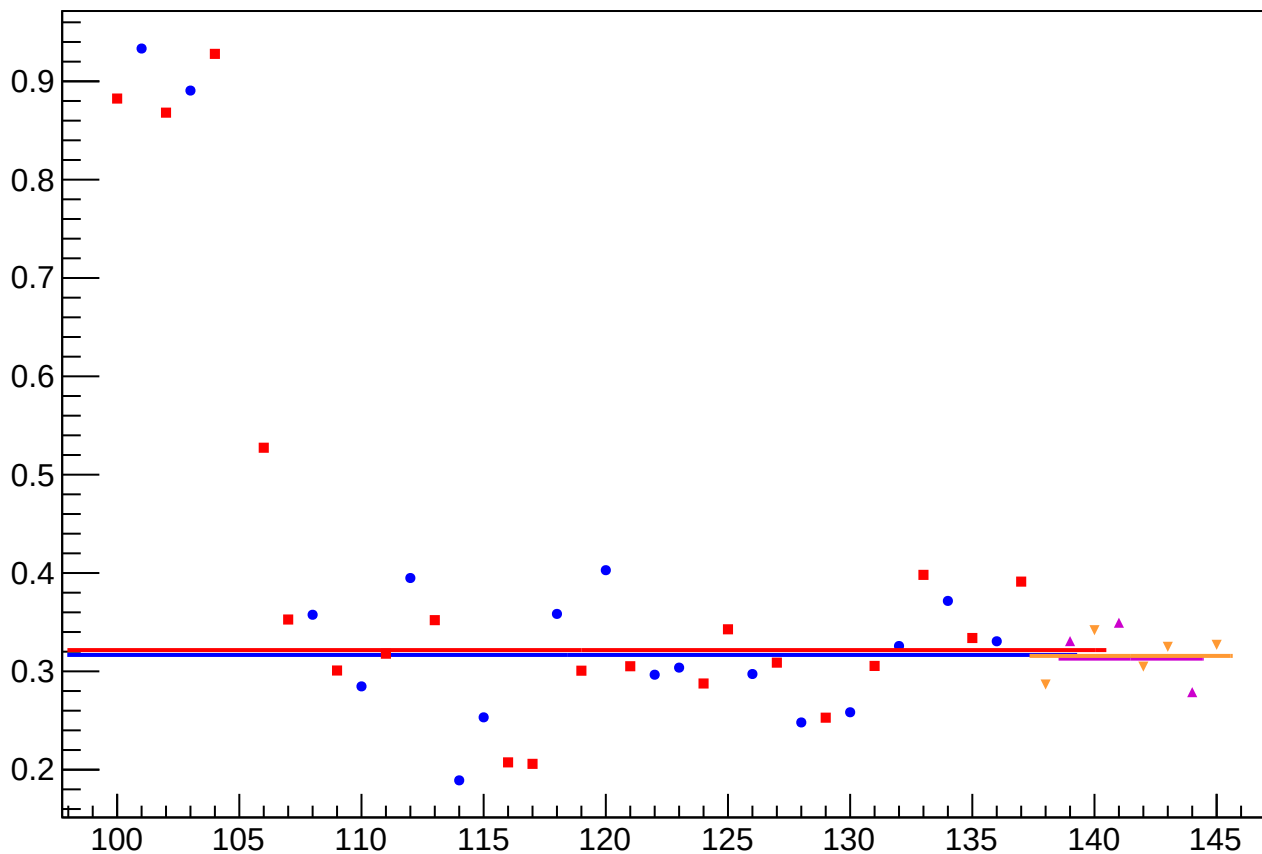
Right Out: 144.423 ± 0.000 χ^2/NDF : 4819194675.6/19

Left In: 148.664 ± 0.000 χ^2/NDF : 181076.3/2

145.629 ± 0.000 χ^2/NDF : 4212878214.6/21

145.672 ± 0.000 χ^2/NDF : 5120354754.4/22

yield_bcm_an_us_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.316+/-0.000 χ^2/NDF : 27501.5/4

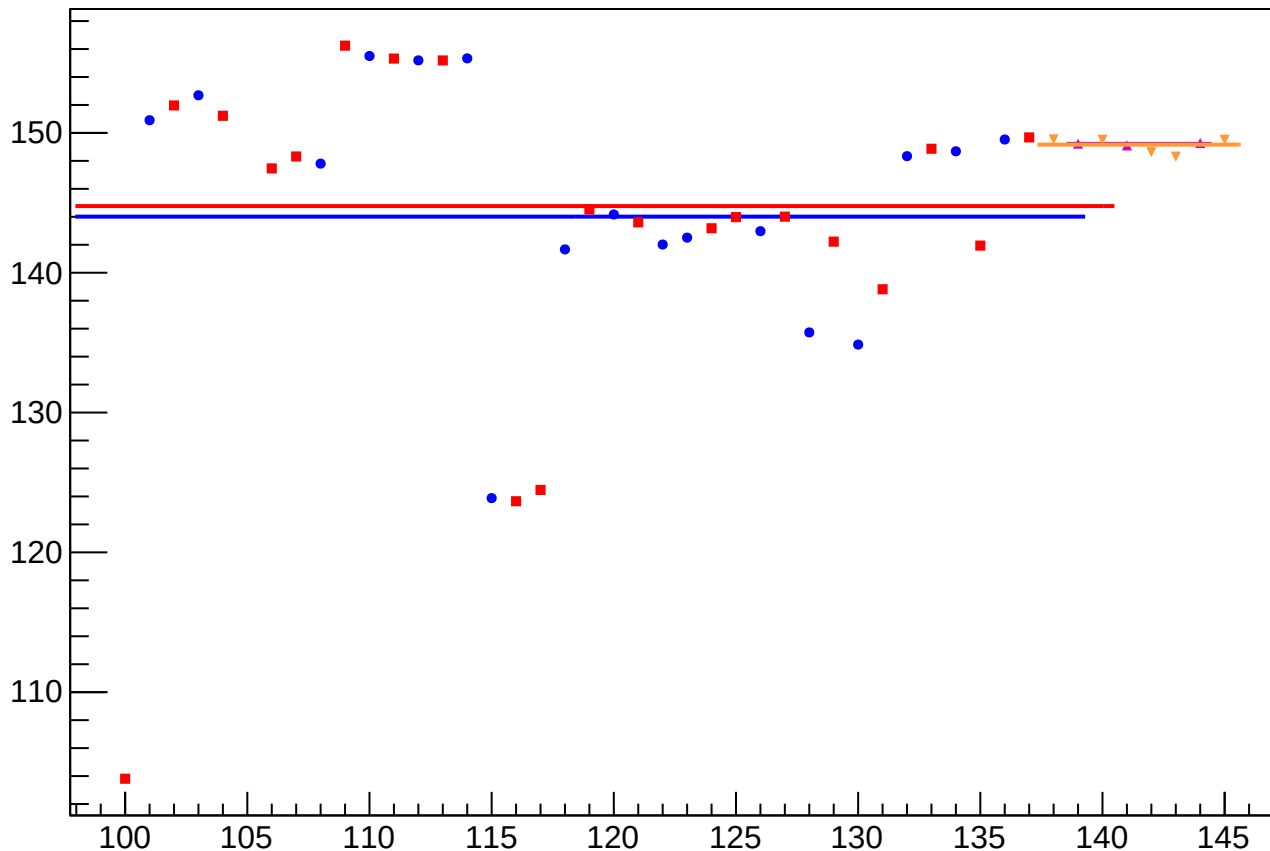
Right Out: 0.322+/-0.000 χ^2/NDF : 1244671.1/19

Left In: 0.313+/-0.000 χ^2/NDF : 46622.9/2

0.316+/-0.000 χ^2/NDF : 1307899.6/21

0.319+/-0.000 χ^2/NDF : 1293823.3/22

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 ± 0.000 χ^2/NDF : 3241696920.3/16

Left Out: 149.163 ± 0.000 χ^2/NDF : 7531527.5/4

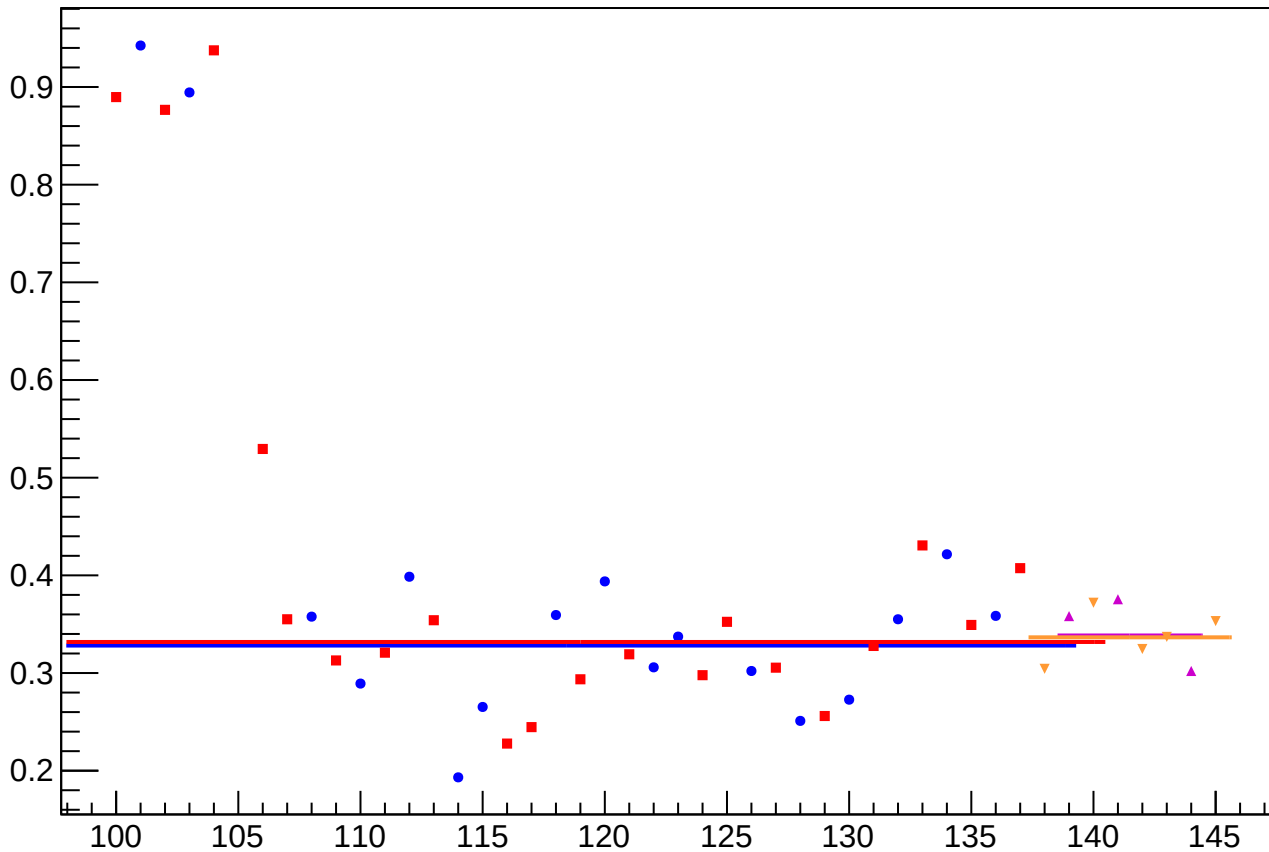
Right Out: 144.767 ± 0.000 χ^2/NDF : 4097482970.1/19

Left In: 149.218 ± 0.000 χ^2/NDF : 105673.8/2

145.830 ± 0.000 χ^2/NDF : 3729679396.2/21

145.984 ± 0.000 χ^2/NDF : 4386633101.7/22

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 $\pm$ 0.000 χ^2 /NDF: 1265892.9/16

Left Out: 0.337 $\pm$ 0.000 χ^2 /NDF:33841.6/4

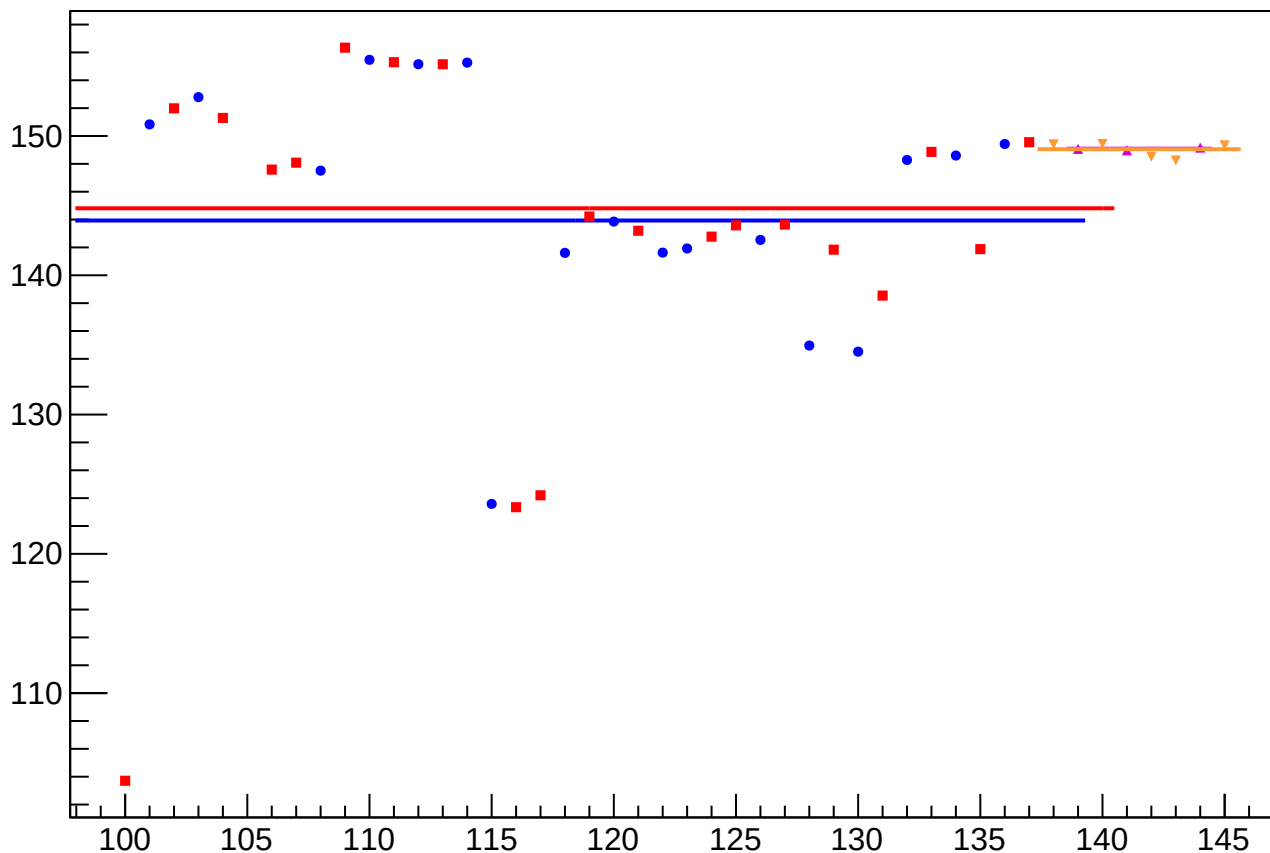
Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 1194167.8/19

Left In: 0.338 $\pm$ 0.000 χ^2 /NDF:43696.5/2

0.331 $\pm$ 0.000 χ^2 /NDF: 1302297.7/21

0.334 $\pm$ 0.000 χ^2 /NDF: 1239151.2/22

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 149.052 $\pm$ 0.000 χ^2 /NDF:6642507.4/4

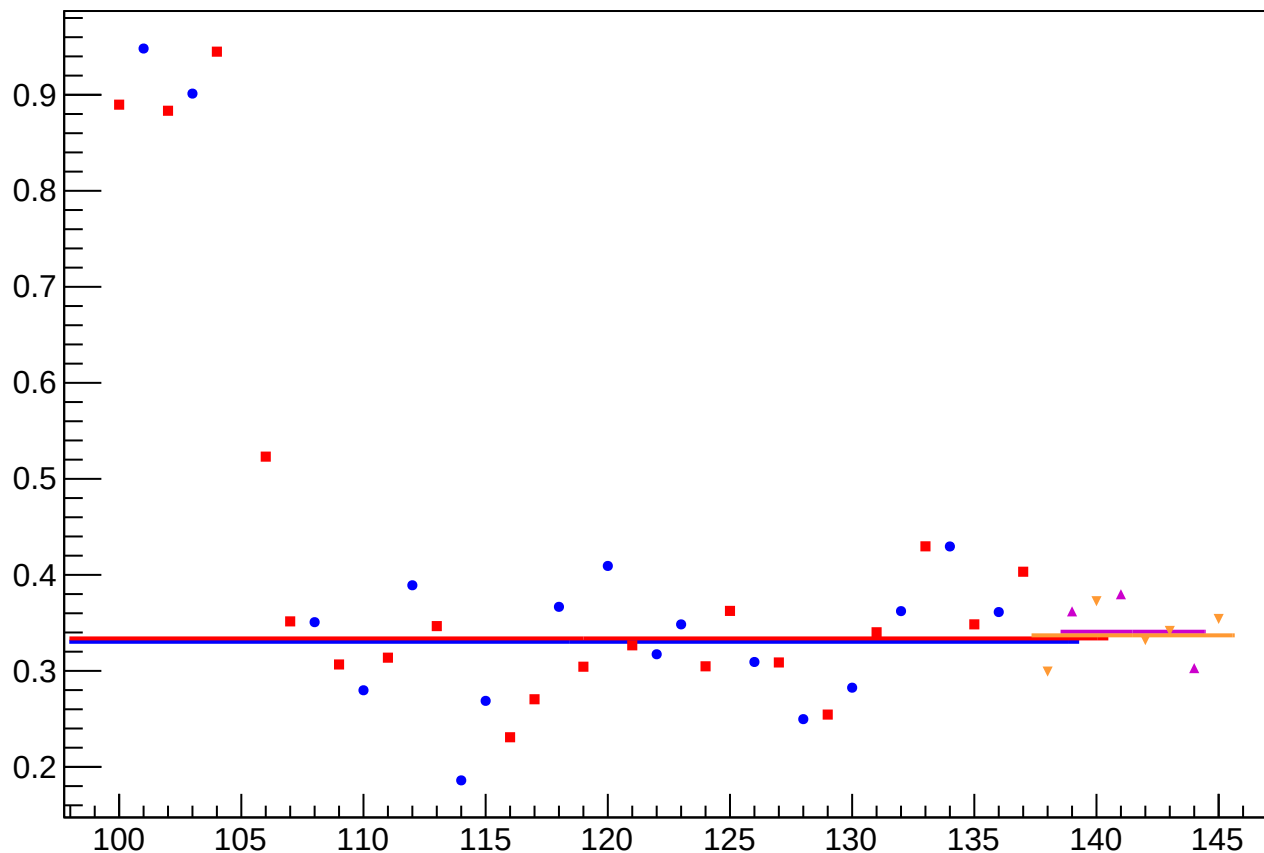
Right Out: 144.809 $\pm$ 0.000 χ^2 /NDF: 4138041955.6/19

Left In: 149.088 $\pm$ 0.000 χ^2 /NDF:130262.4/2

145.749 $\pm$ 0.000 χ^2 /NDF: 3859000423.2/21

145.972 $\pm$ 0.000 χ^2 /NDF: 4400464029.0/22

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.337 $\pm$ 0.000 χ^2 /NDF:39653.1/4

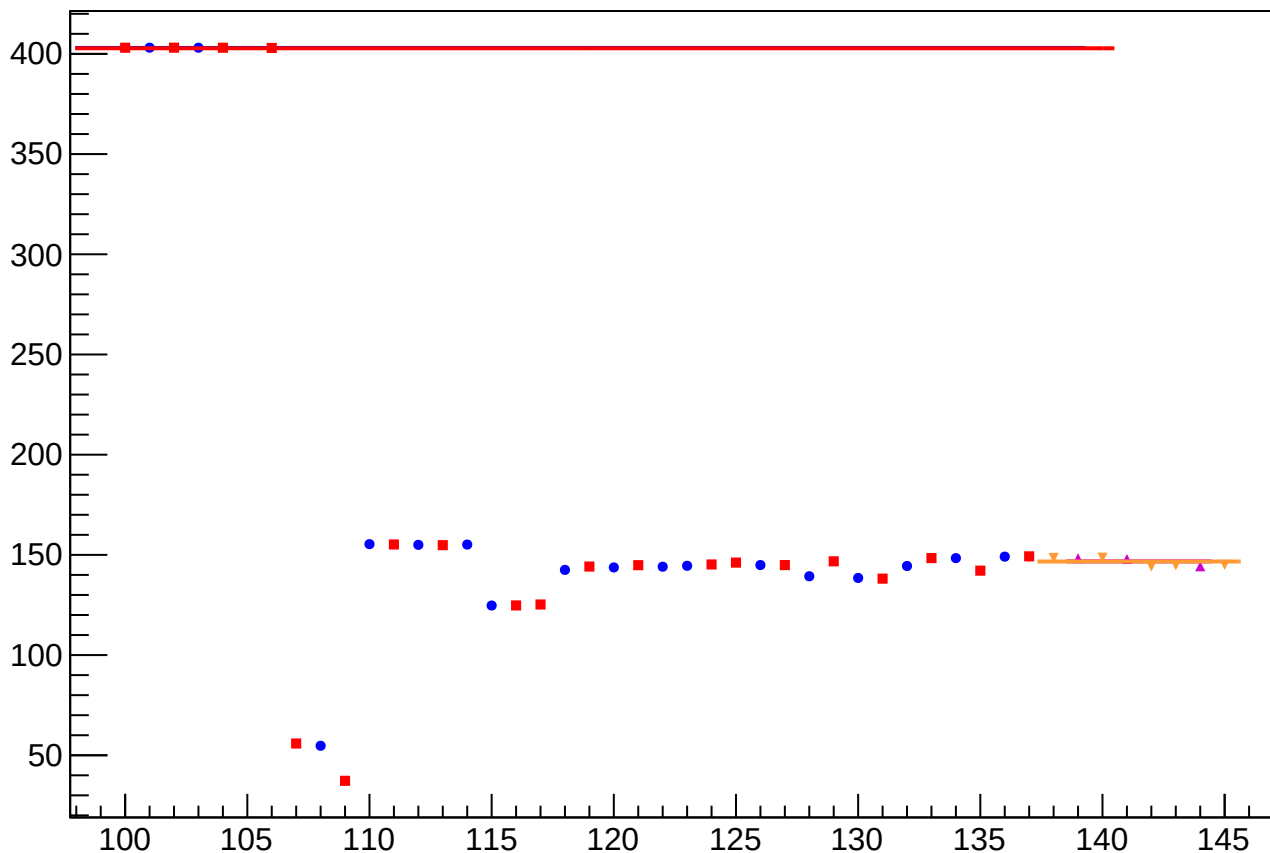
Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1177889.1/19

Left In: 0.341 $\pm$ 0.000 χ^2 /NDF:47150.8/2

0.333 $\pm$ 0.000 χ^2 /NDF: 1325218.6/21

0.336 $\pm$ 0.000 χ^2 /NDF: 1226436.0/22

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.695+/-0.000 χ^2/NDF : 21546837.0/4

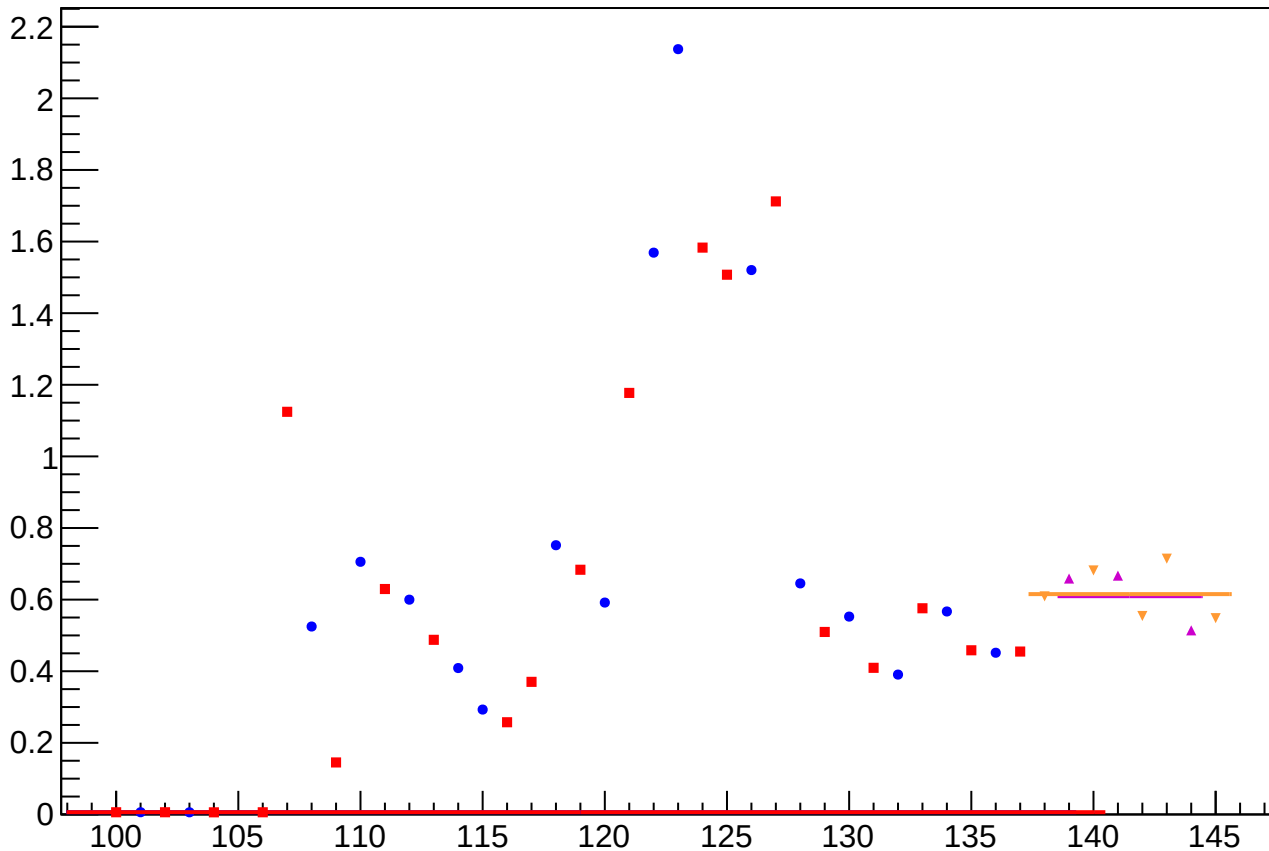
Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

Left In: 146.768+/-0.000 χ^2/NDF : 15208653.8/2

402.909+/-0.000 χ^2/NDF : 1483971614033.7/2

402.764+/-0.000 χ^2/NDF : 3415699842041.0/2

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.615+/-0.000 χ^2/NDF : 43984.5/4

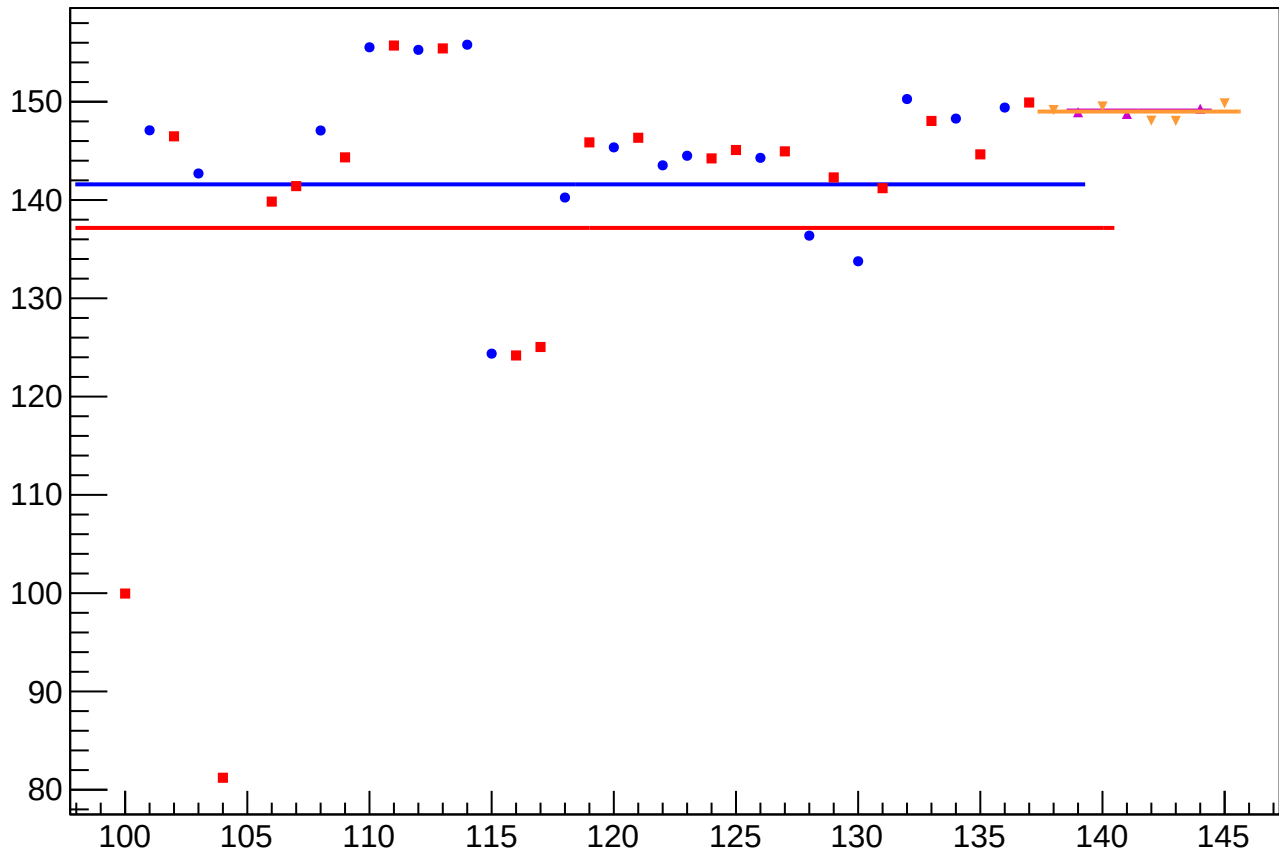
Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

Left In: 0.610+/-0.000 χ^2/NDF : 45881.4/2

0.006+/-0.000 χ^2/NDF : 13524410.1/21

0.006+/-0.000 χ^2/NDF : 12577810.0/22

yield_cav4cQ_mean vs Slug



Right In: 141.593 ± 0.000 χ^2/NDF : 980101868.2/16

Left Out: 149.000 ± 0.000 χ^2/NDF : 6505742.3/4

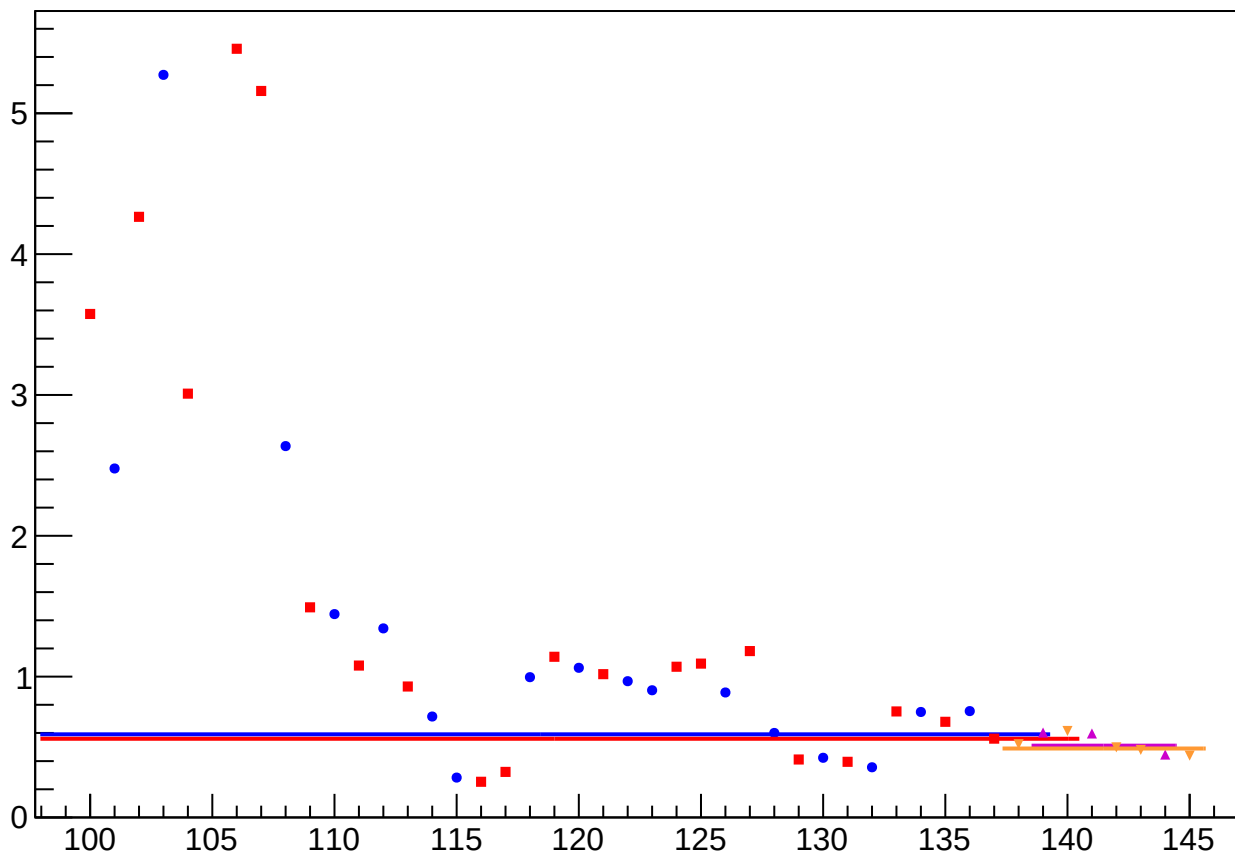
Right Out: 137.162 ± 0.000 χ^2/NDF : 1366089515.6/19

Left In: 149.102 ± 0.000 χ^2/NDF : 331507.3/2

145.338 ± 0.000 χ^2/NDF : 1266625475.2/21

141.494 ± 0.000 χ^2/NDF : 1932863573.3/22

yield_cav4cQ_rms vs Slug



Right In: 0.590 ± 0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.490 ± 0.000 χ^2/NDF : 59127.1/4

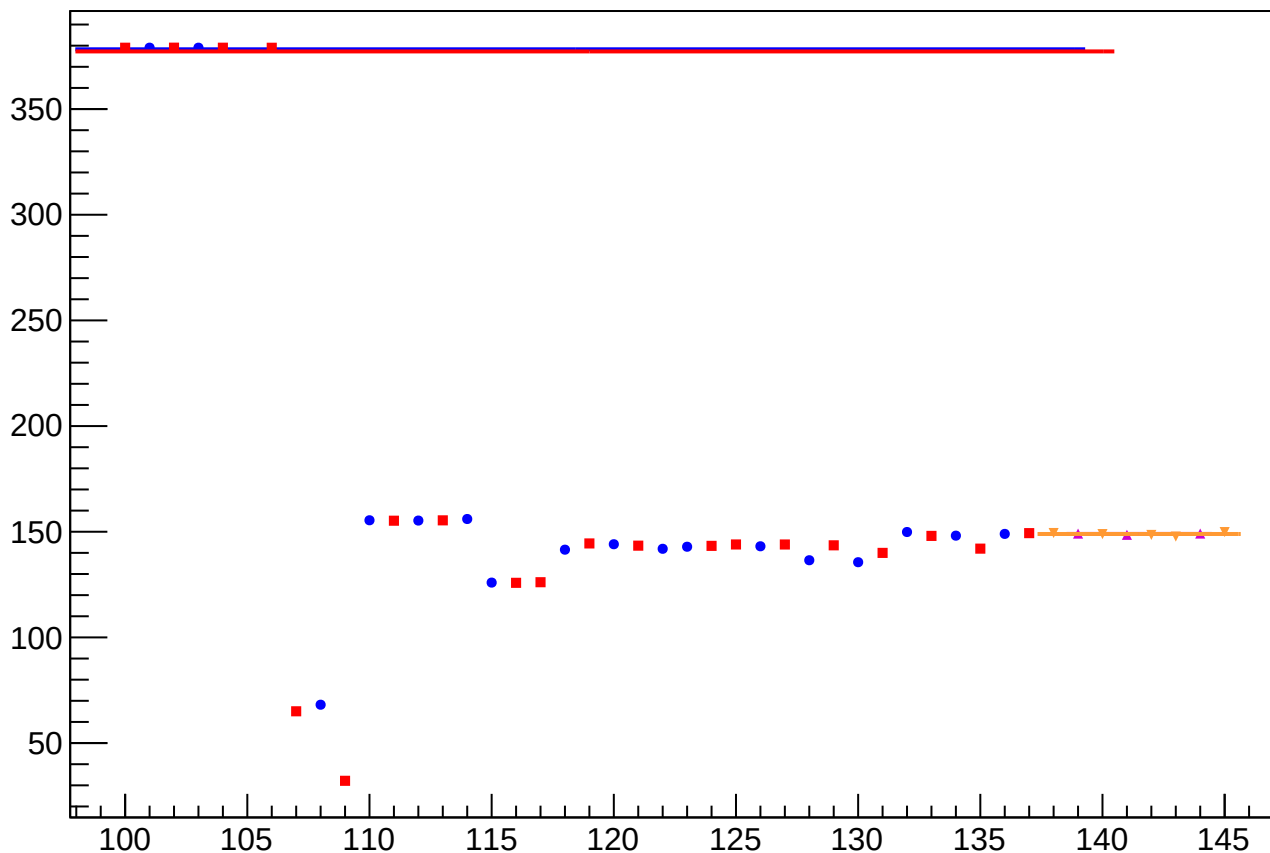
Right Out: 0.559 ± 0.000 χ^2/NDF : 4721291.1/19

Left In: 0.510 ± 0.000 χ^2/NDF : 70610.7/2

0.539 ± 0.000 χ^2/NDF : 3654598.7/21

0.541 ± 0.000 χ^2/NDF : 4810963.8/22

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.937+/-0.000 χ^2/NDF :13110087.9/4

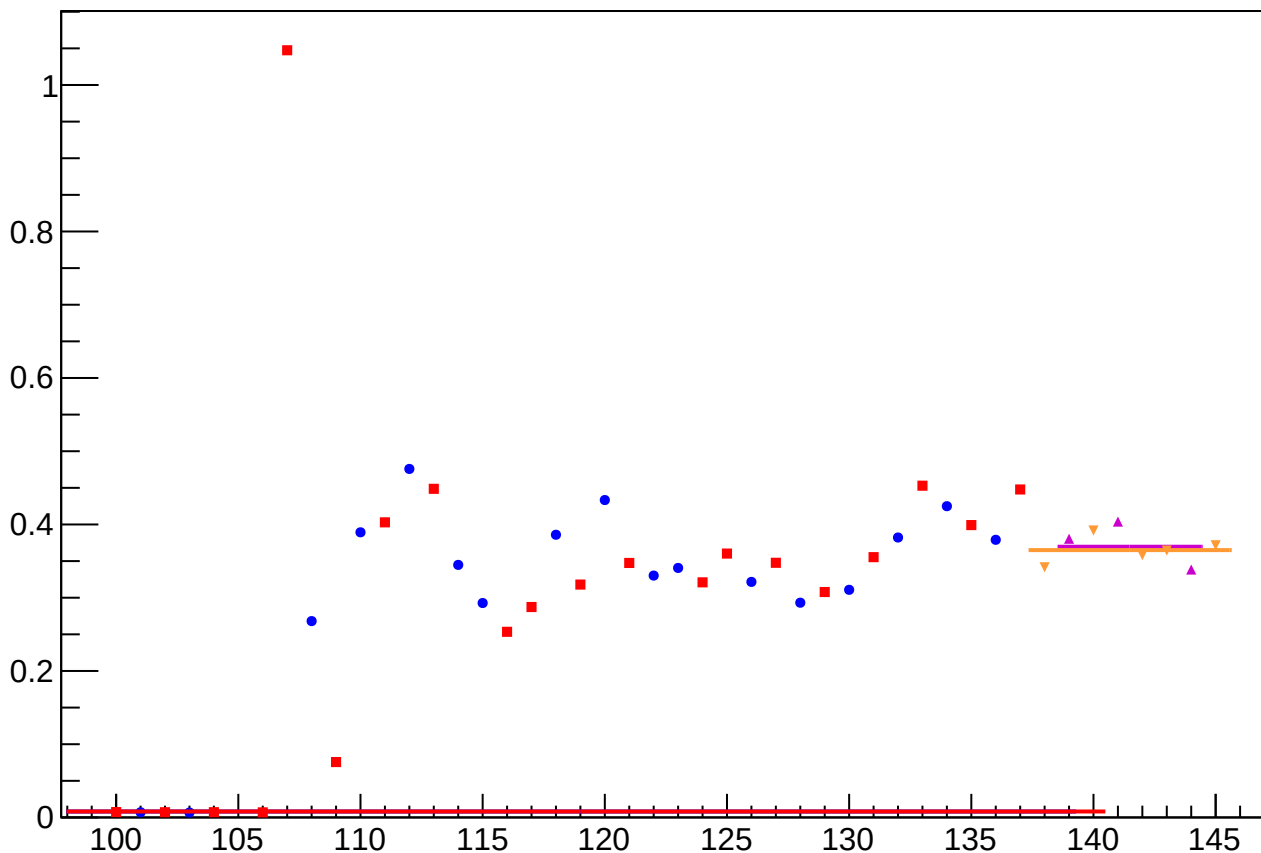
Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

Left In: 148.963+/-0.000 χ^2/NDF :1244993.8/2

377.864+/-0.000 χ^2/NDF : 3787275632164.0/21

377.022+/-0.000 χ^2/NDF : 9206906458715.3/22

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.365 $\pm$ 0.000 χ^2 /NDF:14872.8/4

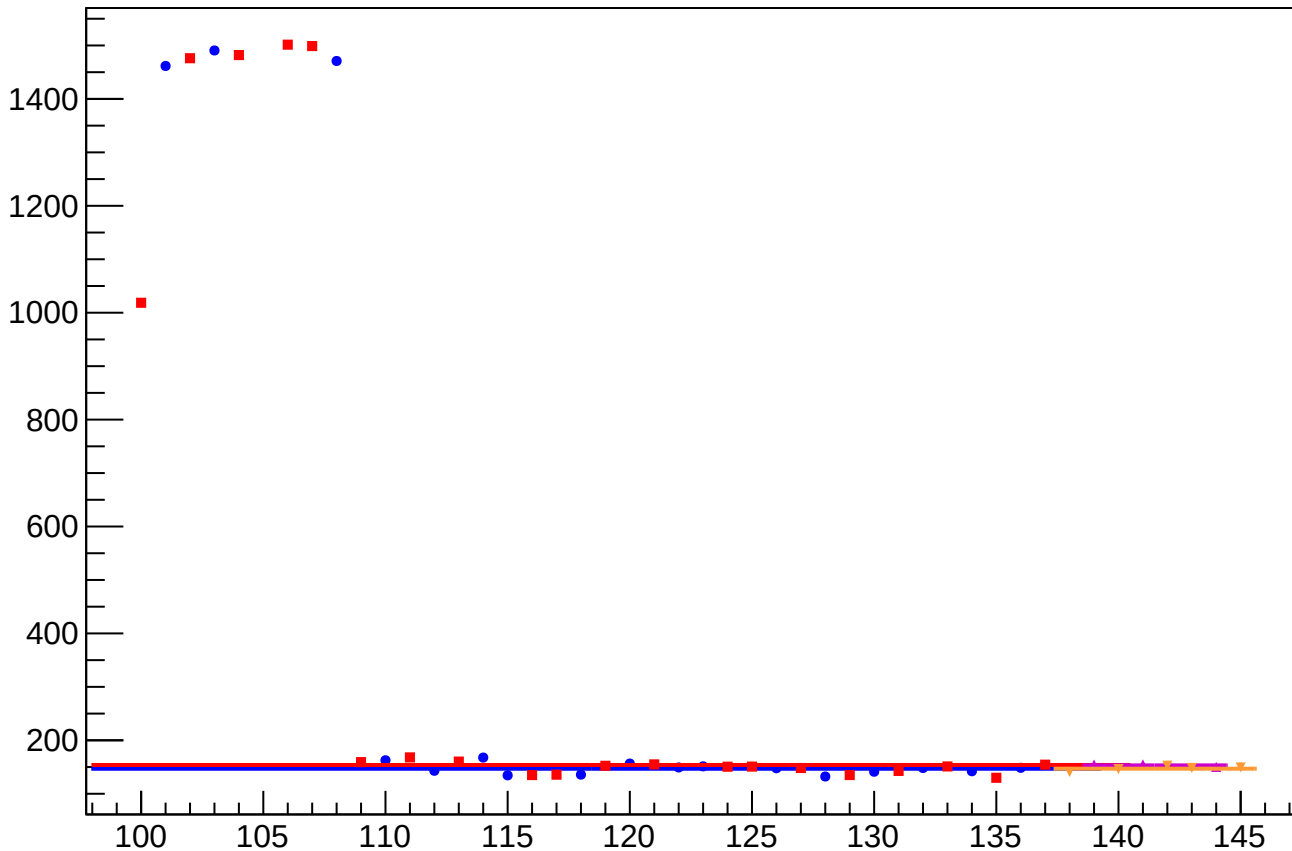
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9589375.6/19

Left In: 0.370 $\pm$ 0.000 χ^2 /NDF:27134.8/2

0.009 $\pm$ 0.000 χ^2 /NDF: 16015492.5/21

0.009 $\pm$ 0.000 χ^2 /NDF: 14095726.4/22

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 146.905+/-0.001 χ^2/NDF : 46947561.0/4

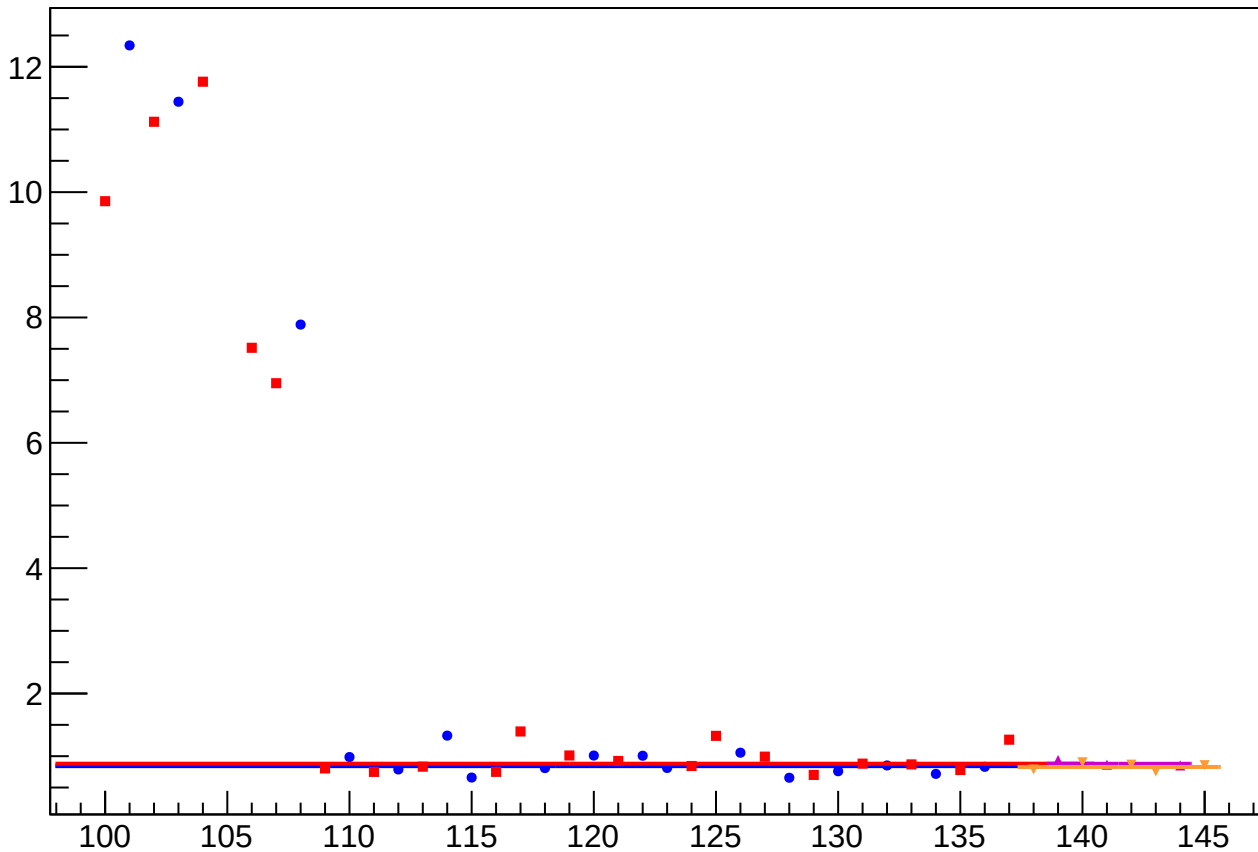
146.852+/-0.000 χ^2/NDF : 24407737699.2/21

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

153.604+/-0.000 χ^2/NDF : 33756658413.3/22

Left In: 153.078+/-0.001 χ^2/NDF : 11509615.8/2

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.828 ± 0.000 χ^2/NDF : 20517.4/4

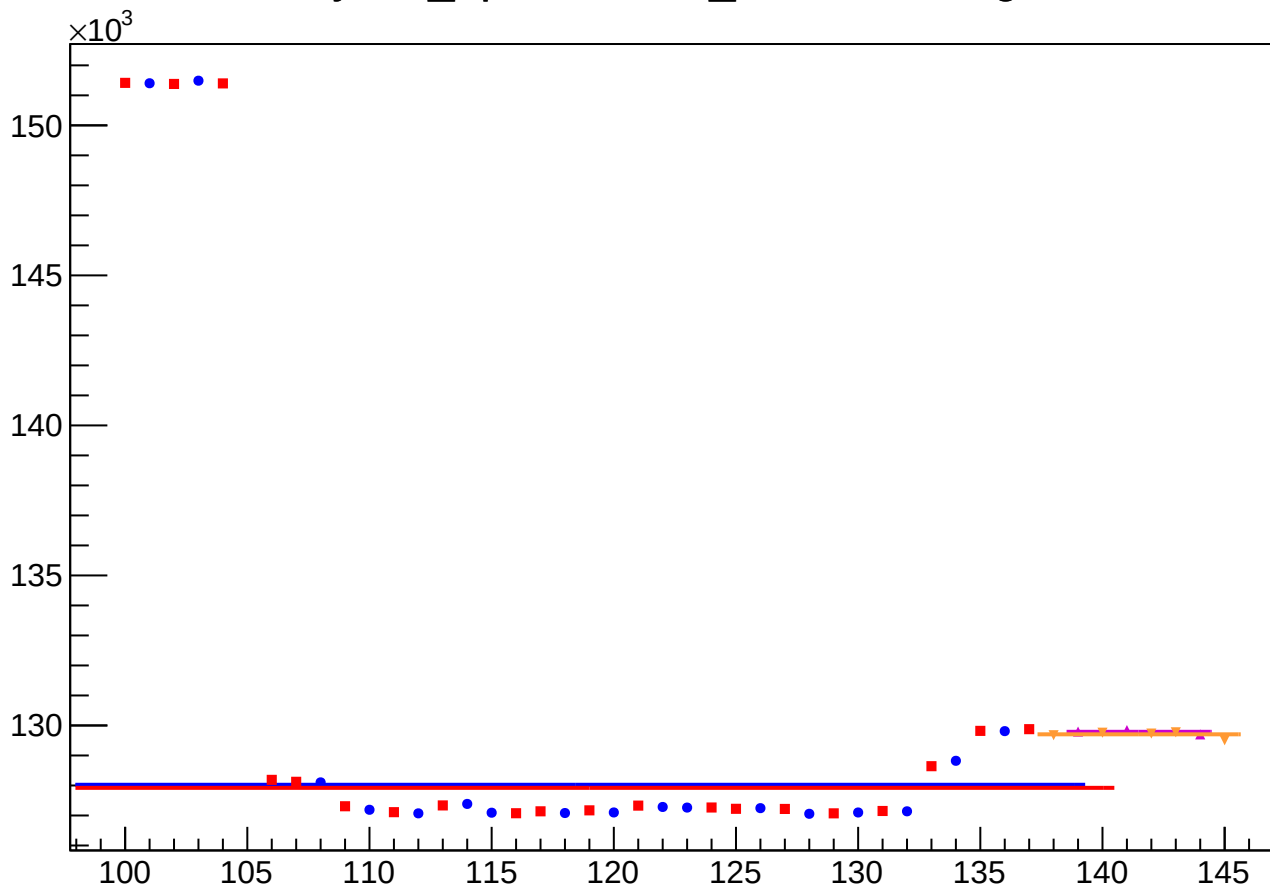
Right Out: 0.880 ± 0.000 χ^2/NDF : 2825356.7/19

Left In: 0.879 ± 0.000 χ^2/NDF : 5871.9/2

0.836 ± 0.000 χ^2/NDF : 2683627.1/21

0.880 ± 0.000 χ^2/NDF : 2831237.0/22

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129705.053 $\pm$ 0.095 χ^2 /NDF: 849513.2/4

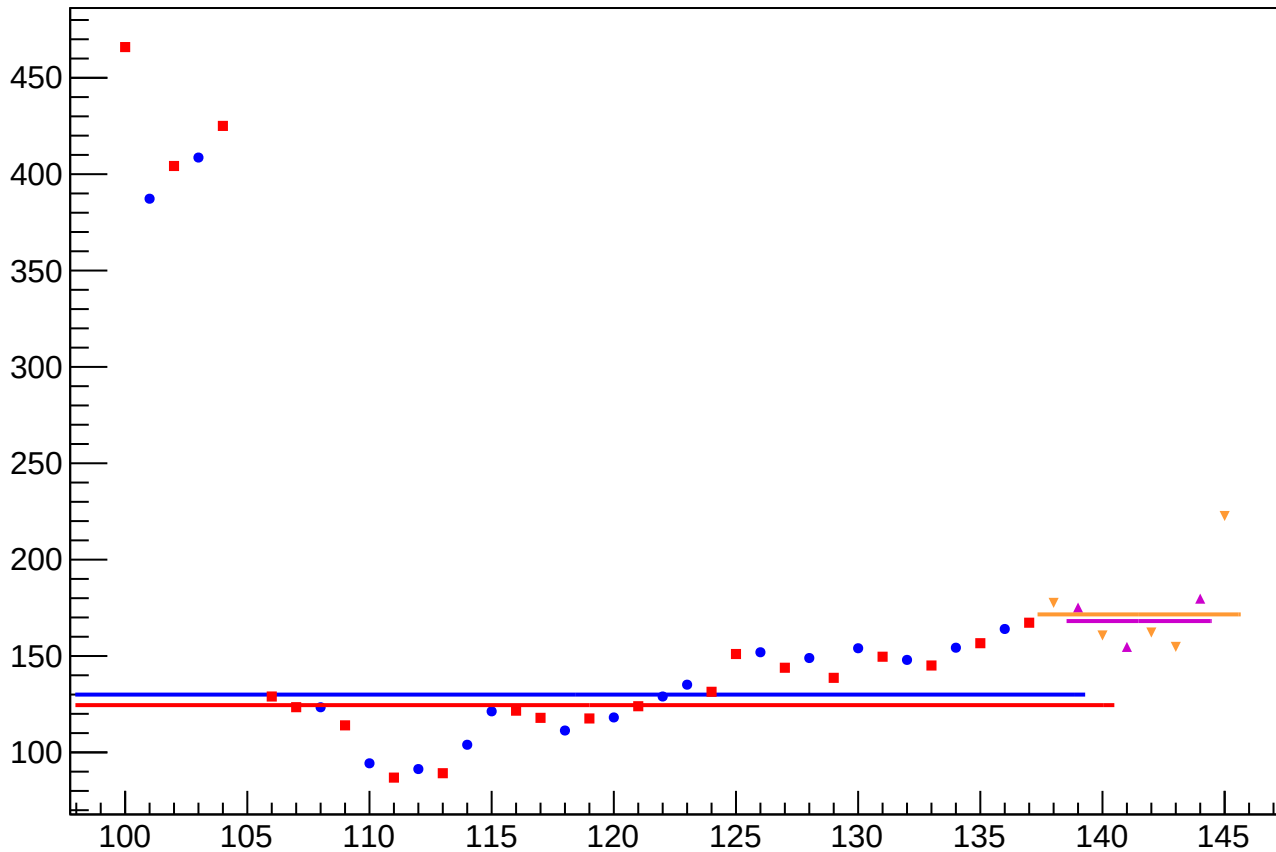
Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

Left In: 129788.398 $\pm$ 0.109 χ^2 /NDF: 312930.4/2

128439.739 $\pm$ 0.047 χ^2 /NDF: 4552685749.7/21

128249.340 $\pm$ 0.046 χ^2 /NDF: 4012561424.0/22

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 171.588 $\pm$ 0.067 χ^2 /NDF:107207.8/4

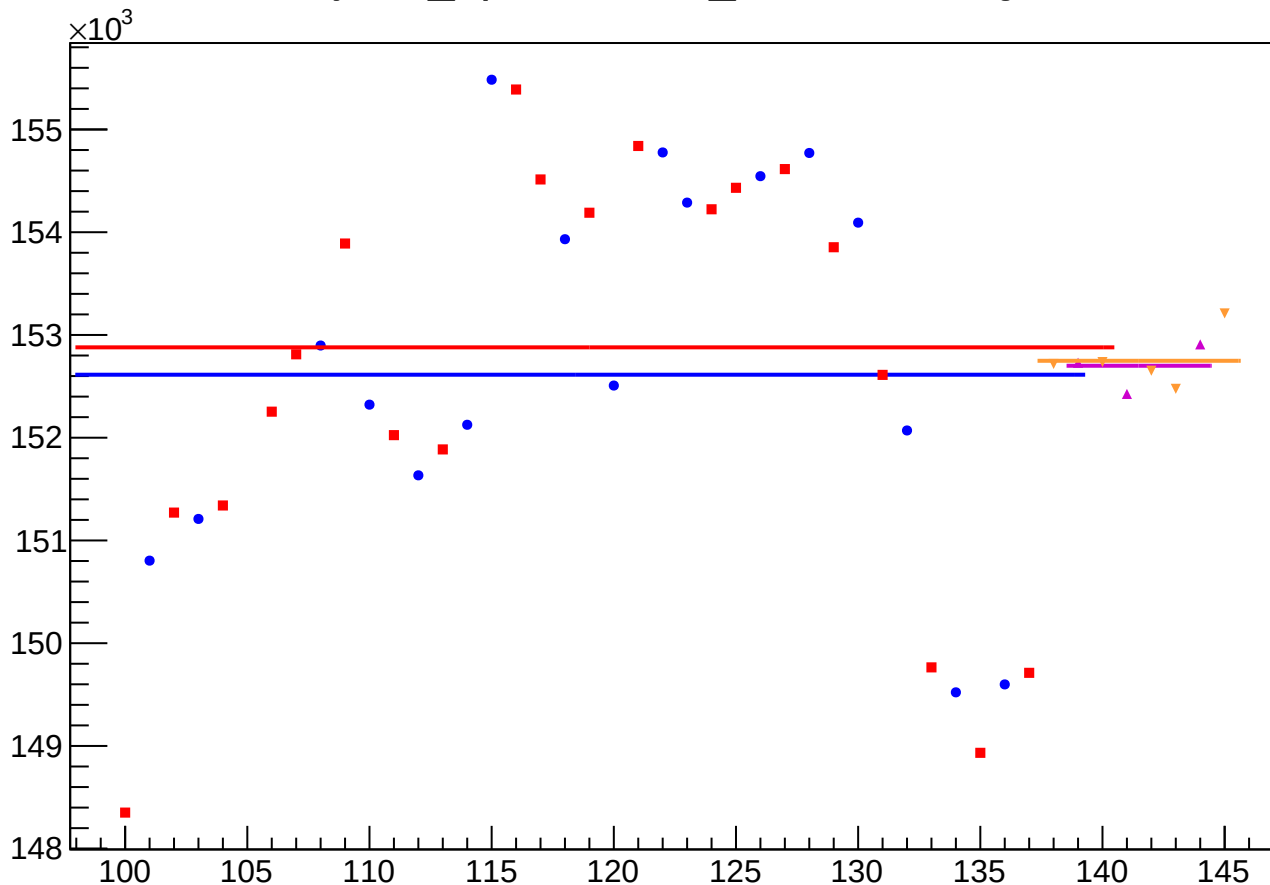
140.278 $\pm$ 0.033 χ^2 /NDF: 1880858.2/21

Right Out: 124.514 $\pm$ 0.035 χ^2 /NDF: 1531546.7/19

132.178 $\pm$ 0.032 χ^2 /NDF: 1819084.6/22

Left In: 168.132 $\pm$ 0.077 χ^2 /NDF:21991.9/2

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 152748.682 $\pm$ 0.097 χ^2 /NDF: 6077054.3/4

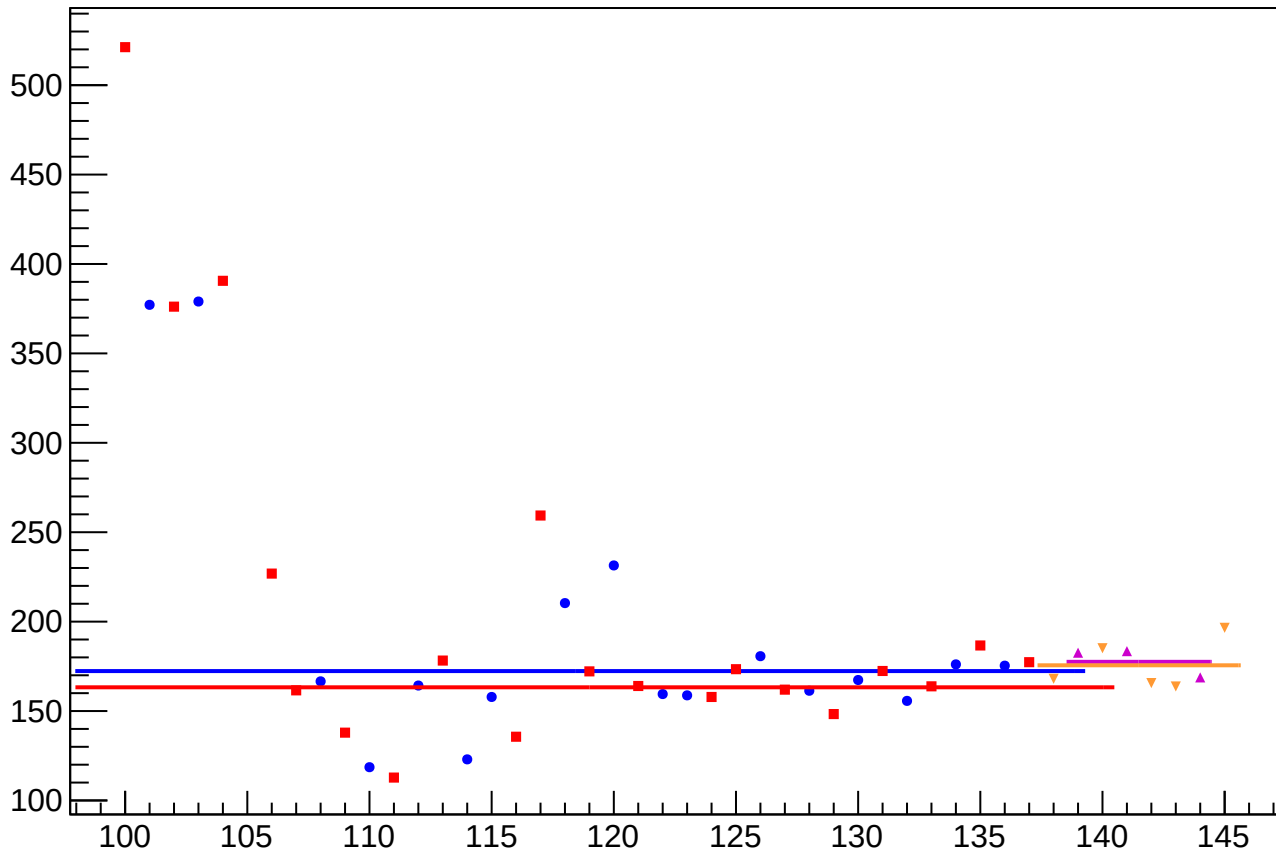
Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

Left In: 152700.443 $\pm$ 0.115 χ^2 /NDF: 3166104.4/2

152661.323 $\pm$ 0.058 χ^2 /NDF: 630684312.1/21

152834.803 $\pm$ 0.057 χ^2 /NDF: 722902031.8/22

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 ± 0.051 χ^2/NDF : 921911.1/16

Left Out: 175.579 ± 0.069 χ^2/NDF : 33677.2/4

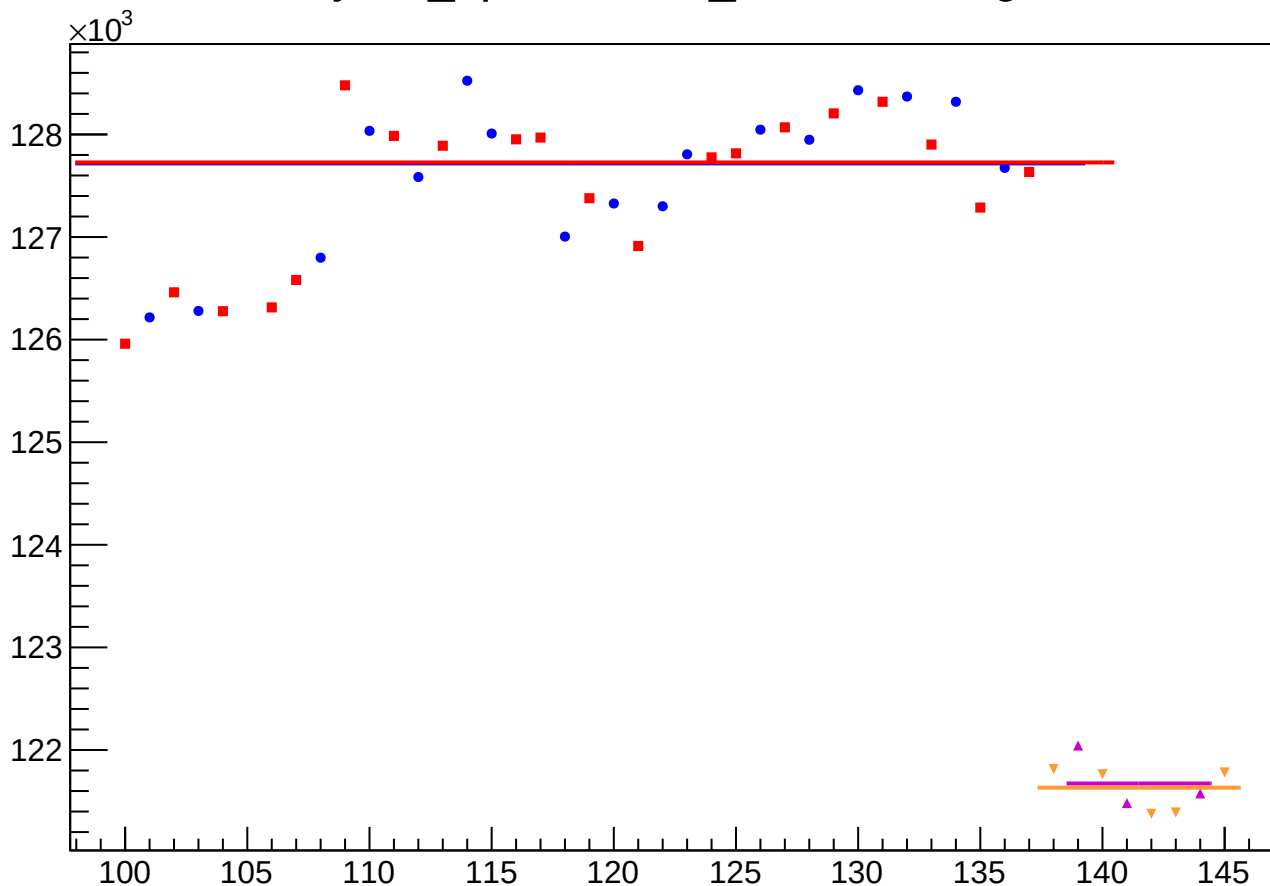
Right Out: 163.273 ± 0.047 χ^2/NDF : 1043440.1/19

Left In: 177.518 ± 0.081 χ^2/NDF : 7400.8/2

173.499 ± 0.041 χ^2/NDF : 957007.1/21

166.826 ± 0.041 χ^2/NDF : 1074000.3/22

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 ± 0.058 $\chi^2/\text{NDF}: 95177660.2/16$

Left Out: 121632.704 ± 0.082 $\chi^2/\text{NDF}: 5667737.6/4$

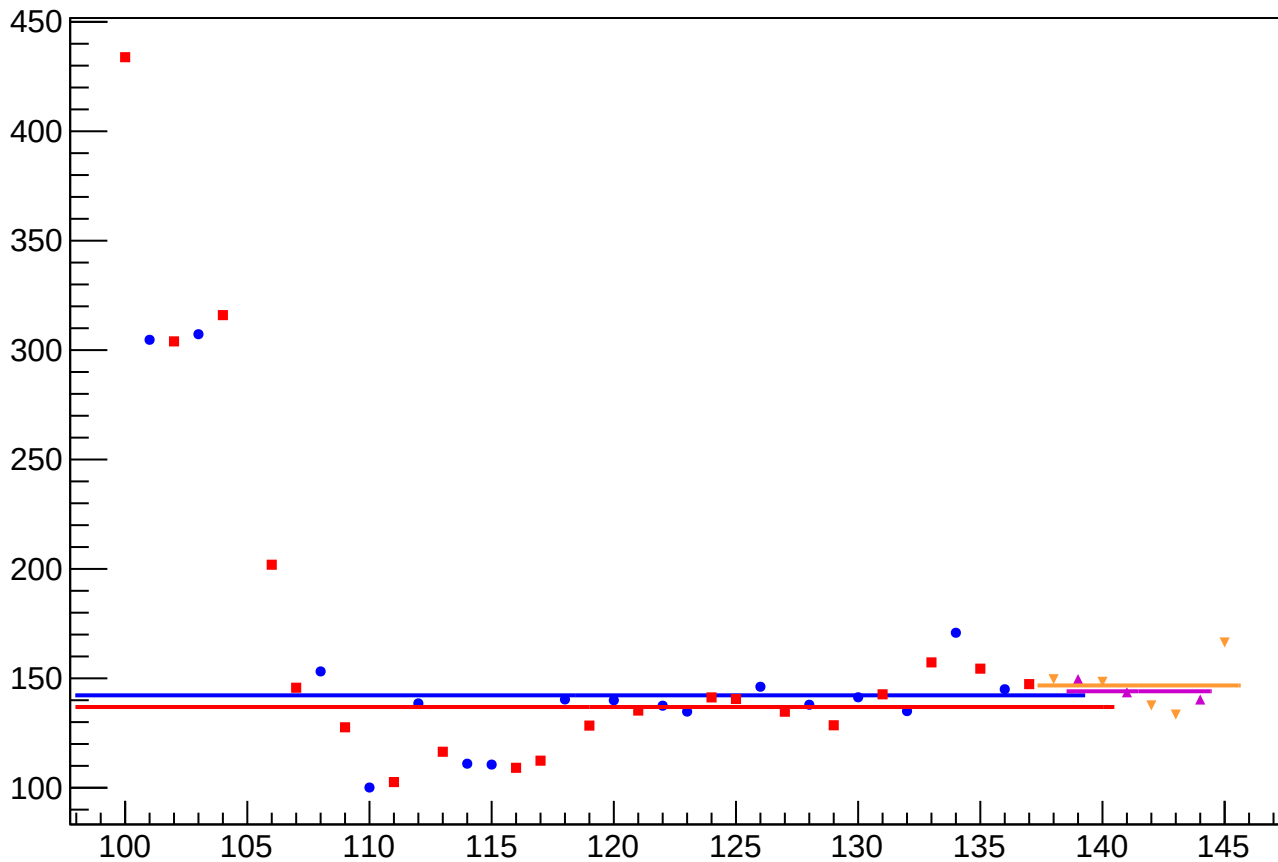
125672.050 ± 0.047 $\chi^2/\text{NDF}: 3765541939.0/21$

Right Out: 127726.969 ± 0.054 $\chi^2/\text{NDF}: 112752557.5/19$

126198.482 ± 0.047 $\chi^2/\text{NDF}: 3263046290.1/22$

Left In: 121673.456 ± 0.093 $\chi^2/\text{NDF}: 6236622.7/2$

yield_bpm0l01WS_rms vs Slug



Right In: 142.240+/-0.041 χ^2/NDF : 836415.1/16

Left Out: 146.752+/-0.058 χ^2/NDF : 37421.4/4

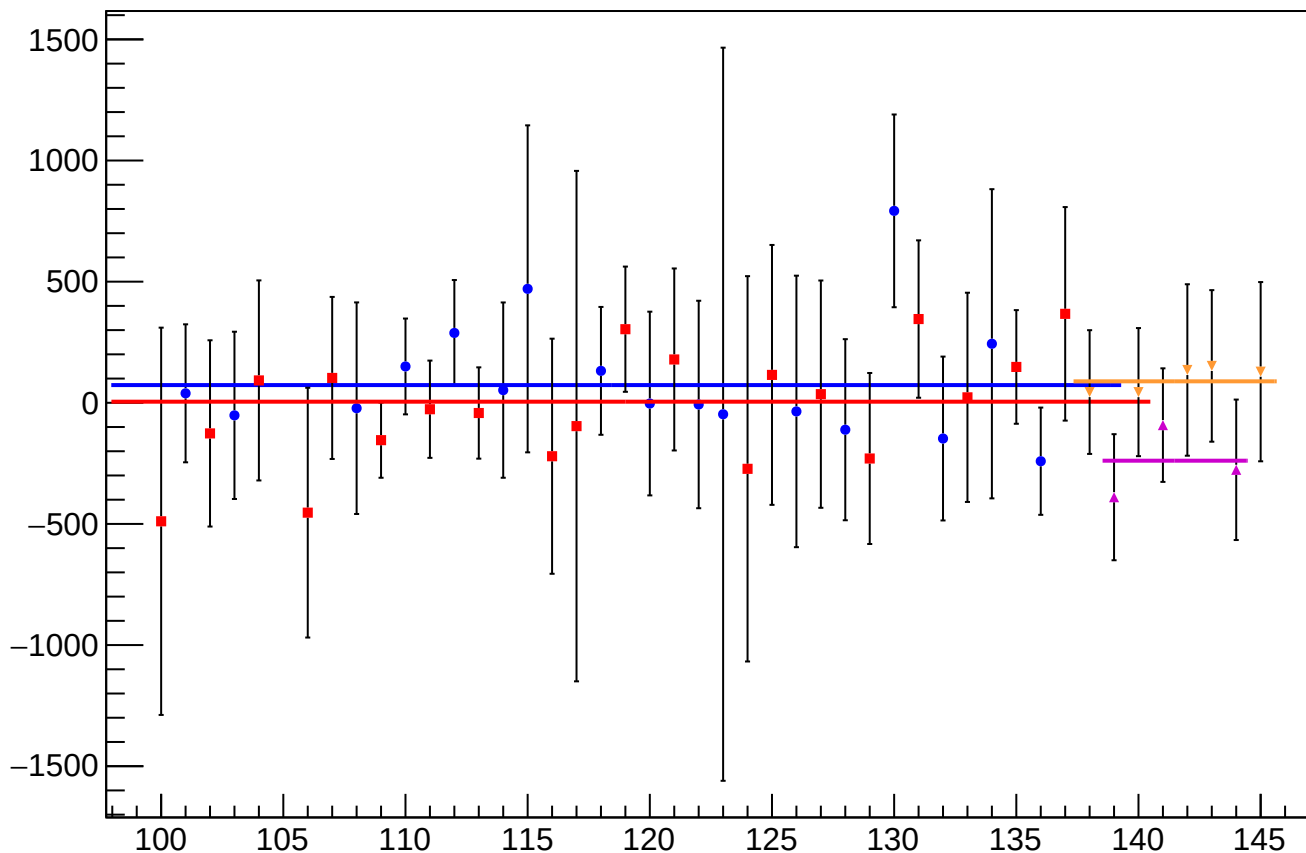
Right Out: 136.904+/-0.038 χ^2/NDF : 961858.5/19

Left In: 144.089+/-0.066 χ^2/NDF : 3202.6/2

143.757+/-0.034 χ^2/NDF : 877864.9/21

138.718+/-0.033 χ^2/NDF : 973920.0/22

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 88.585+/-134.649 χ^2/NDF : 0.1/4

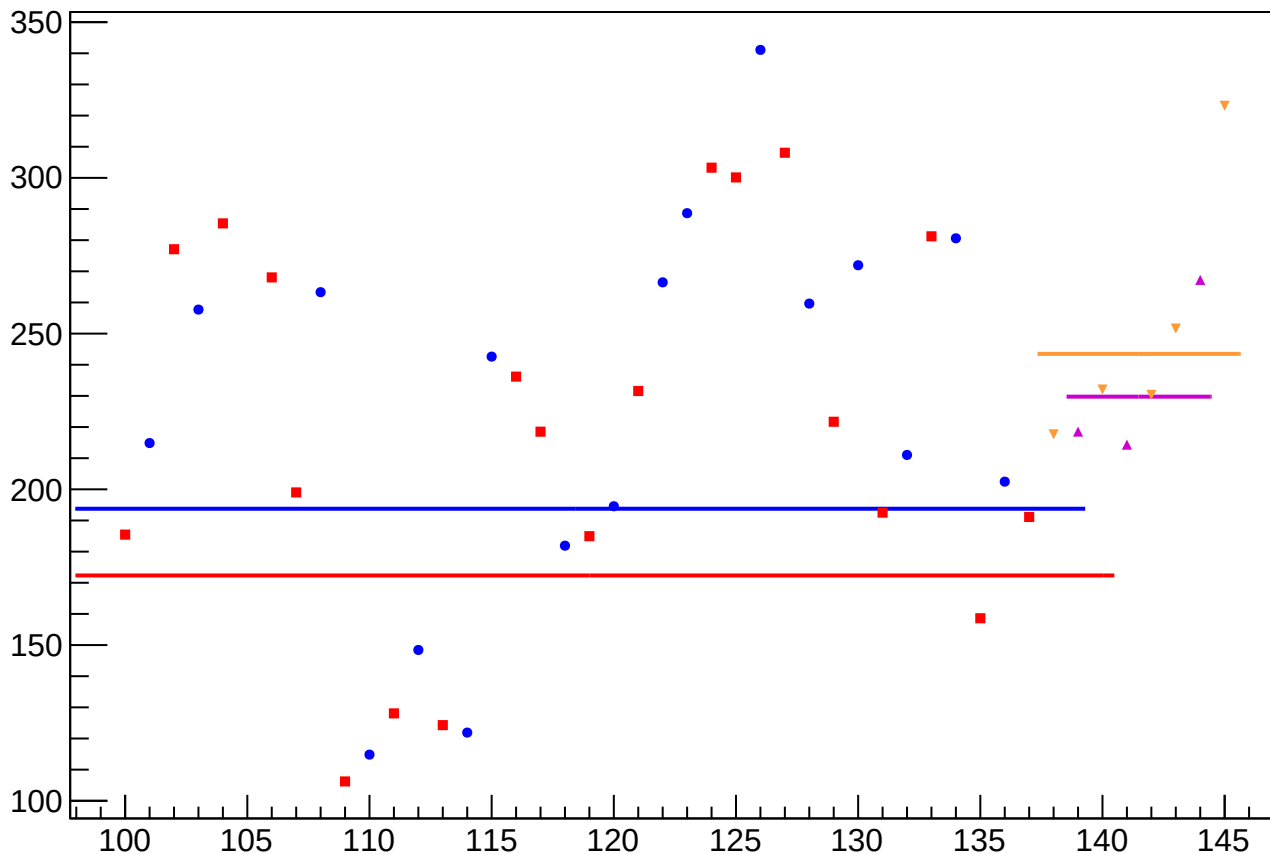
Right Out: 4.574+/-69.944 χ^2/NDF : 7.1/19

Left In: -239.000+/-149.275 χ^2/NDF : 0.7/2

77.117+/-68.525 χ^2/NDF : 8.0/21

-39.274+/-63.336 χ^2/NDF : 10.0/22

asym_bcm_an_ds_rms vs Slug



Right In: 193.773 ± 0.056 $\chi^2/\text{NDF}: 1017081.7/16$

Left Out: 243.489 ± 0.095 $\chi^2/\text{NDF}: 121115.2/4$

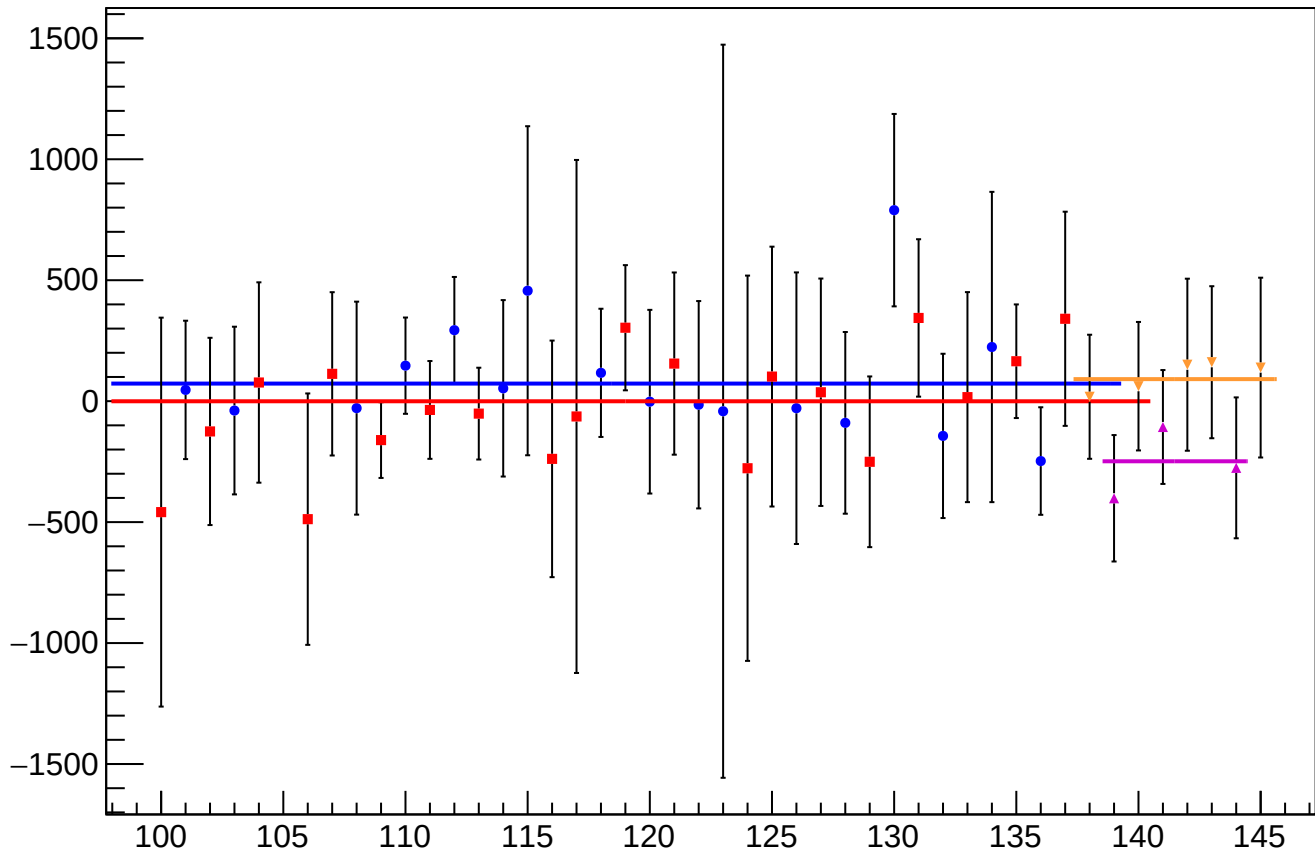
Right Out: 172.346 ± 0.049 $\chi^2/\text{NDF}: 1583893.0/19$

Left In: 229.758 ± 0.106 $\chi^2/\text{NDF}: 45809.9/2$

206.649 ± 0.048 $\chi^2/\text{NDF}: 1340240.3/21$

182.682 ± 0.045 $\chi^2/\text{NDF}: 1872279.6/22$

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675 $\pm$ 79.992 χ^2/NDF : 7.8/16

Left Out: 91.111 $\pm$ 135.265 χ^2/NDF : 0.2/4

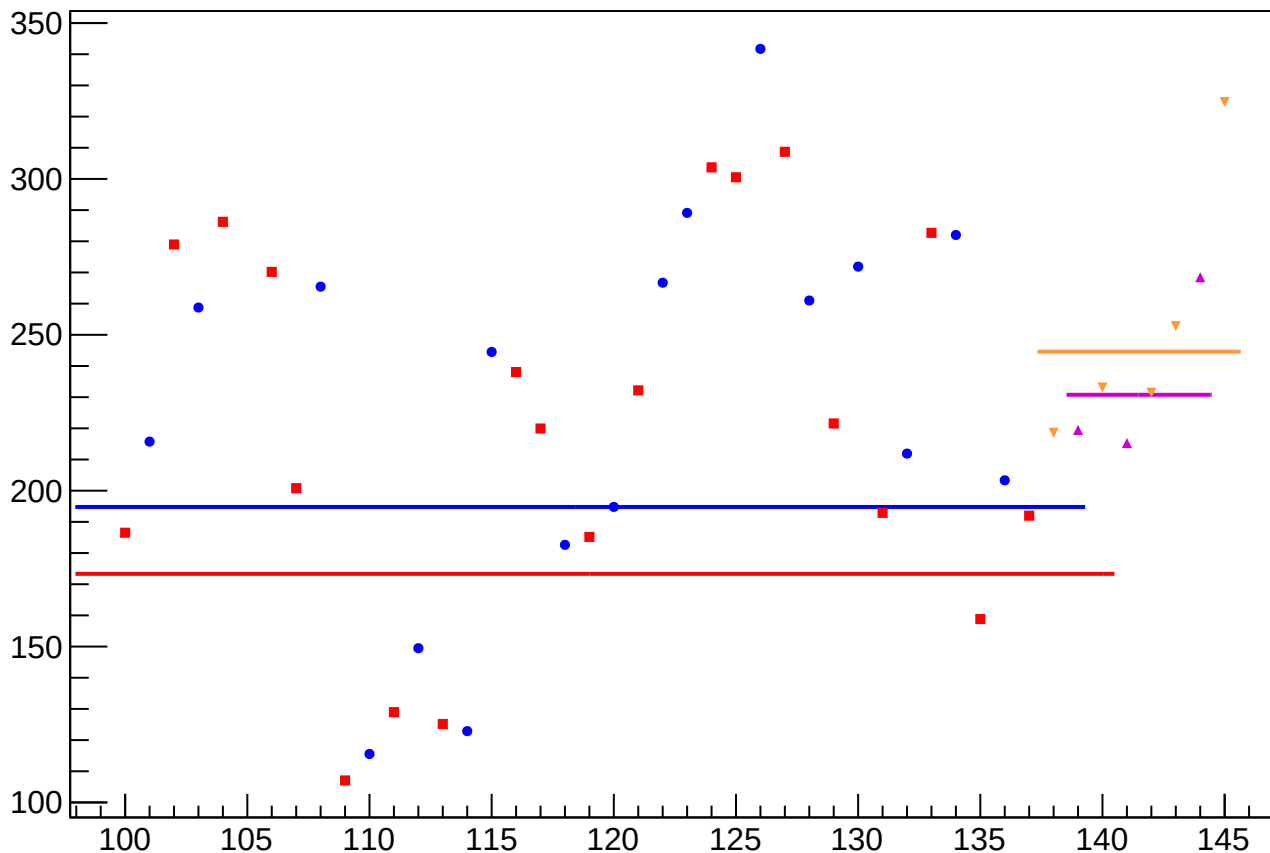
Right Out: -0.459 $\pm$ 70.312 χ^2/NDF : 7.3/19

Left In: -248.547 $\pm$ 149.931 χ^2/NDF : 0.7/2

77.452 $\pm$ 68.853 χ^2/NDF : 8.0/21

-45.183 $\pm$ 63.659 χ^2/NDF : 10.2/22

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782+/-0.057 χ^2/NDF : 1008292.8/16

Left Out: 244.597+/-0.096 χ^2/NDF :121292.1/4

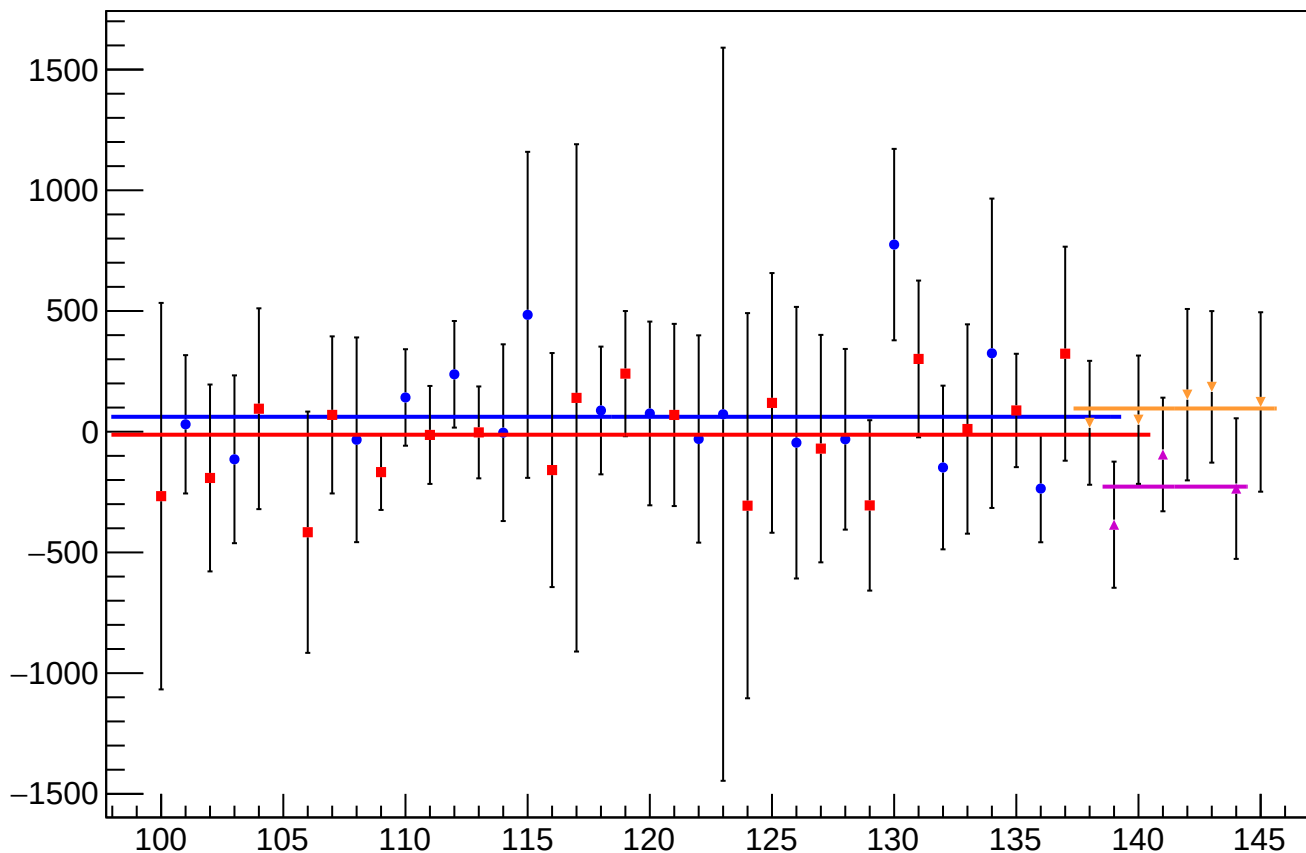
Right Out: 173.337+/-0.050 χ^2/NDF : 1571436.7/19

Left In: 230.761+/-0.106 χ^2/NDF :45921.3/2

207.689+/-0.049 χ^2/NDF : 1330553.4/21

183.689+/-0.045 χ^2/NDF : 1857847.9/22

asym_bcm_an_us_mean vs Slug



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 96.223+/-135.243 χ^2/NDF : 0.2/4

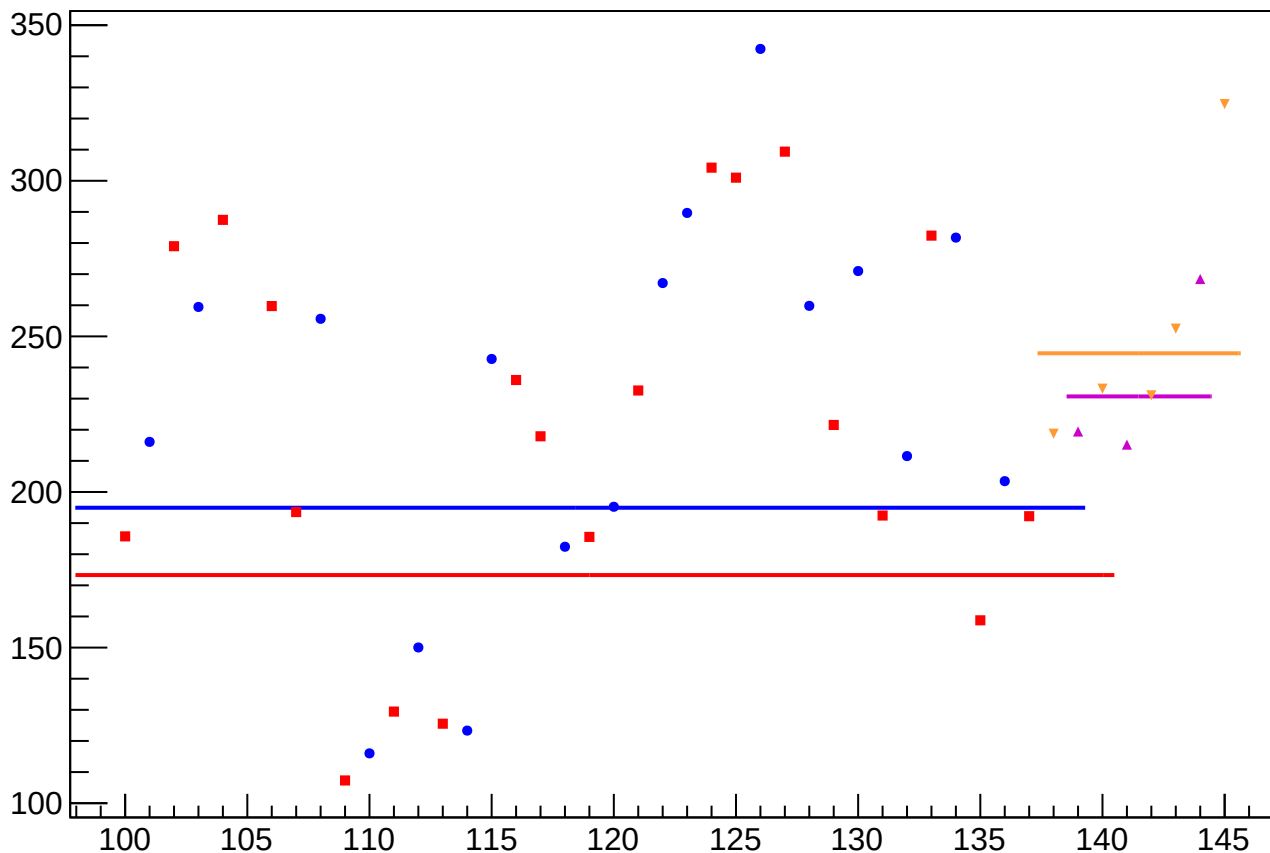
Right Out: -12.417+/-70.233 χ^2/NDF : 5.8/19

Left In: -227.477+/-149.896 χ^2/NDF : 0.7/2

70.731+/-68.847 χ^2/NDF : 7.5/21

-51.131+/-63.598 χ^2/NDF : 8.2/22

asym_bcm_an_us_rms vs Slug



Right In: 194.939+/-0.057 χ^2/NDF : 986629.1/16

Left Out: 244.565+/-0.096 χ^2/NDF :120998.7/4

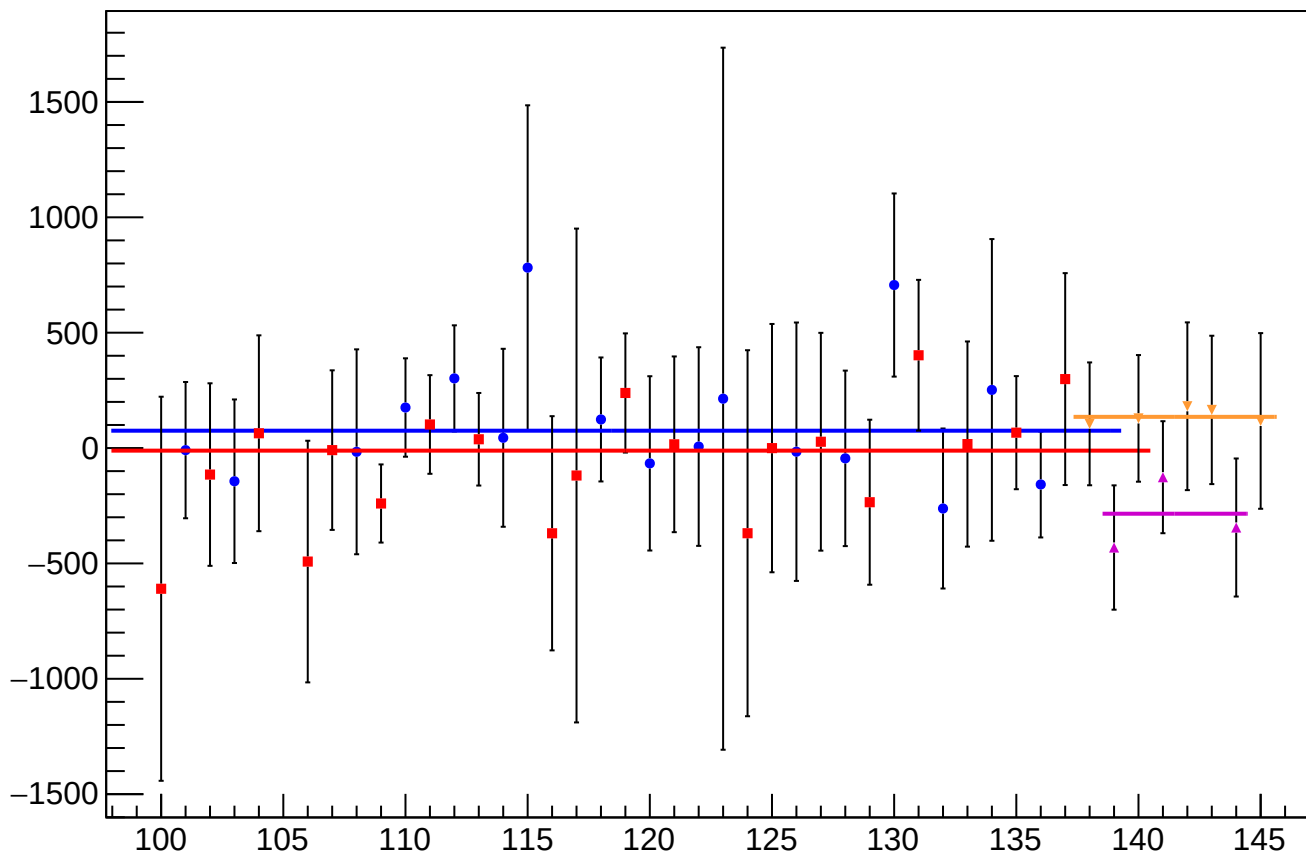
Right Out: 173.309+/-0.050 χ^2/NDF : 1548342.3/19

Left In: 230.710+/-0.106 χ^2/NDF :45977.1/2

207.799+/-0.049 χ^2/NDF : 1307133.7/21

183.642+/-0.045 χ^2/NDF : 1834809.0/22

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 135.231 $\pm$ 139.304 χ^2 /NDF: 0.0/4

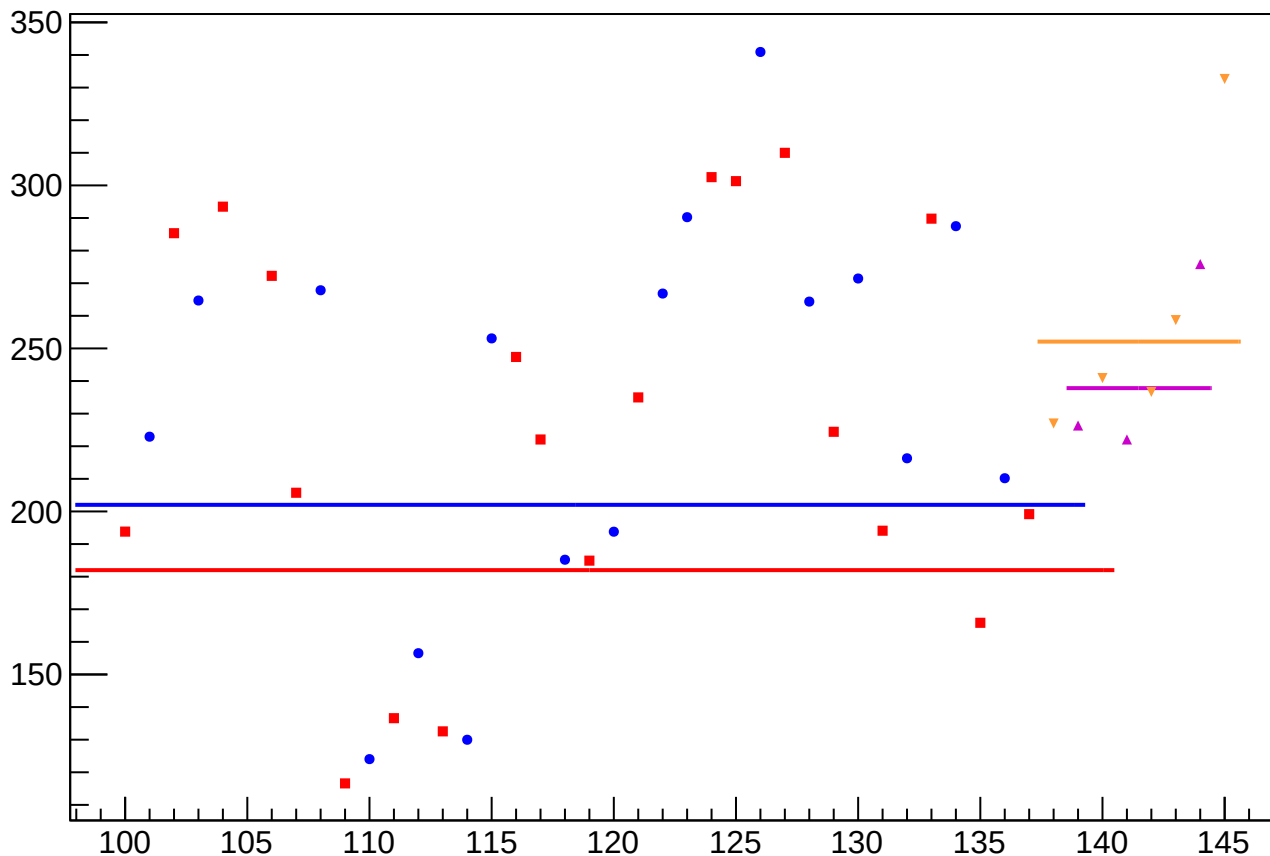
Right Out: -11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

Left In: -284.610 $\pm$ 154.441 χ^2 /NDF: 0.8/2

90.794 $\pm$ 70.988 χ^2 /NDF: 7.8/21

-61.299 $\pm$ 66.121 χ^2 /NDF: 11.2/22

asym_bcm_dg_us_rms vs Slug



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 252.092+/-0.099 χ^2/NDF :115108.2/4

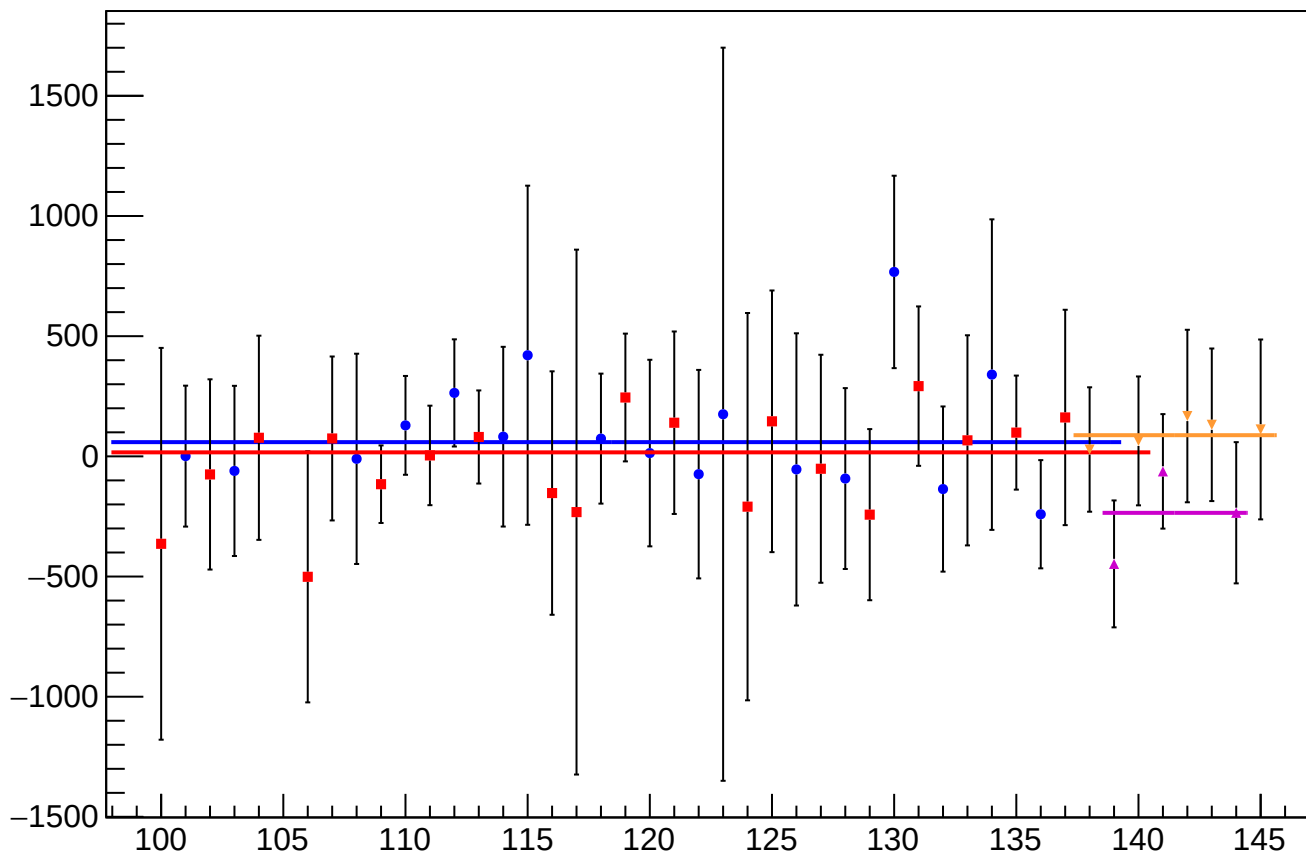
215.030+/-0.050 χ^2/NDF : 1187947.8/21

Right Out: 182.000+/-0.052 χ^2/NDF : 1380354.3/19

192.232+/-0.047 χ^2/NDF : 1638152.9/22

Left In: 237.822+/-0.109 χ^2/NDF :44402.7/2

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 88.068 $\pm$ 136.499 χ^2 /NDF:0.1/4

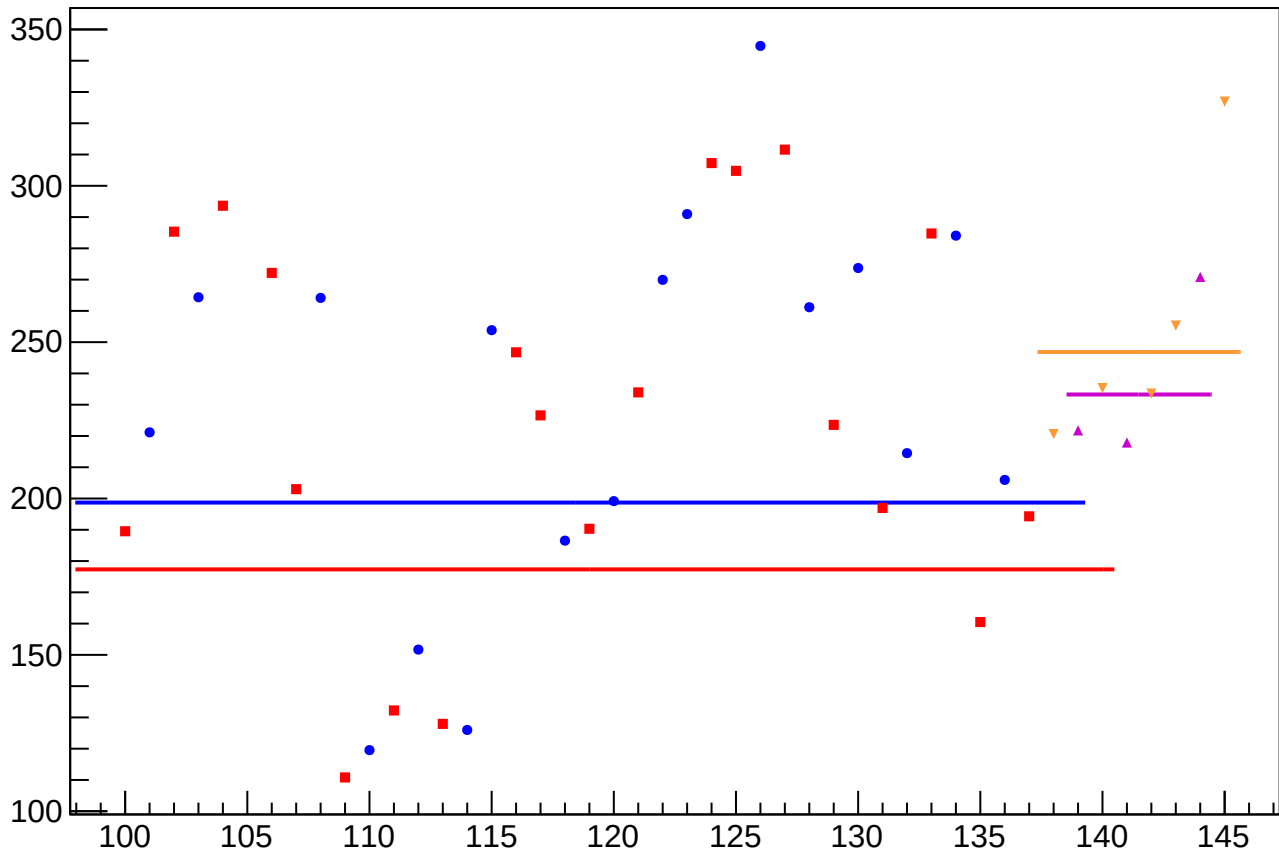
Right Out: 16.650 $\pm$ 71.745 χ^2 /NDF: 4.7/19

Left In: -235.036 $\pm$ 151.520 χ^2 /NDF:1.2/2

66.757 $\pm$ 69.923 χ^2 /NDF: 7.3/21

-29.444 $\pm$ 64.843 χ^2 /NDF: 8.1/22

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 246.866 $\pm$ 0.097 χ^2 /NDF:120034.0/4

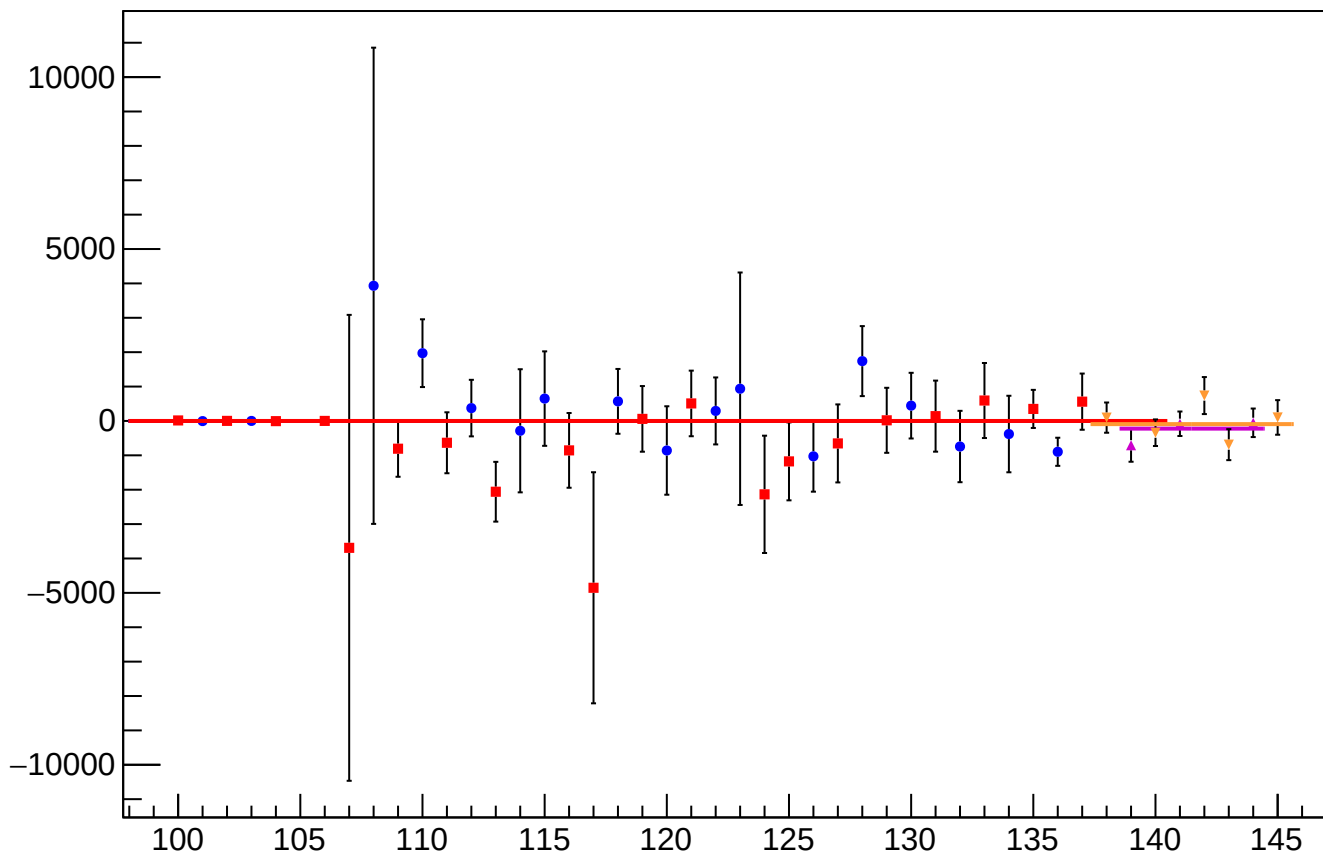
211.342 $\pm$ 0.049 χ^2 /NDF: 1267086.1/21

Right Out: 177.338 $\pm$ 0.051 χ^2 /NDF: 1528976.8/19

187.580 $\pm$ 0.046 χ^2 /NDF: 1796370.9/22

Left In: 233.261 $\pm$ 0.107 χ^2 /NDF:44849.5/2

asym_cav4bQ_mean vs Slug



Right In: -1.529+/-2.251 χ^2/NDF : 16.6/16

Left Out: -92.136+/-203.361 χ^2/NDF : 4.9/4

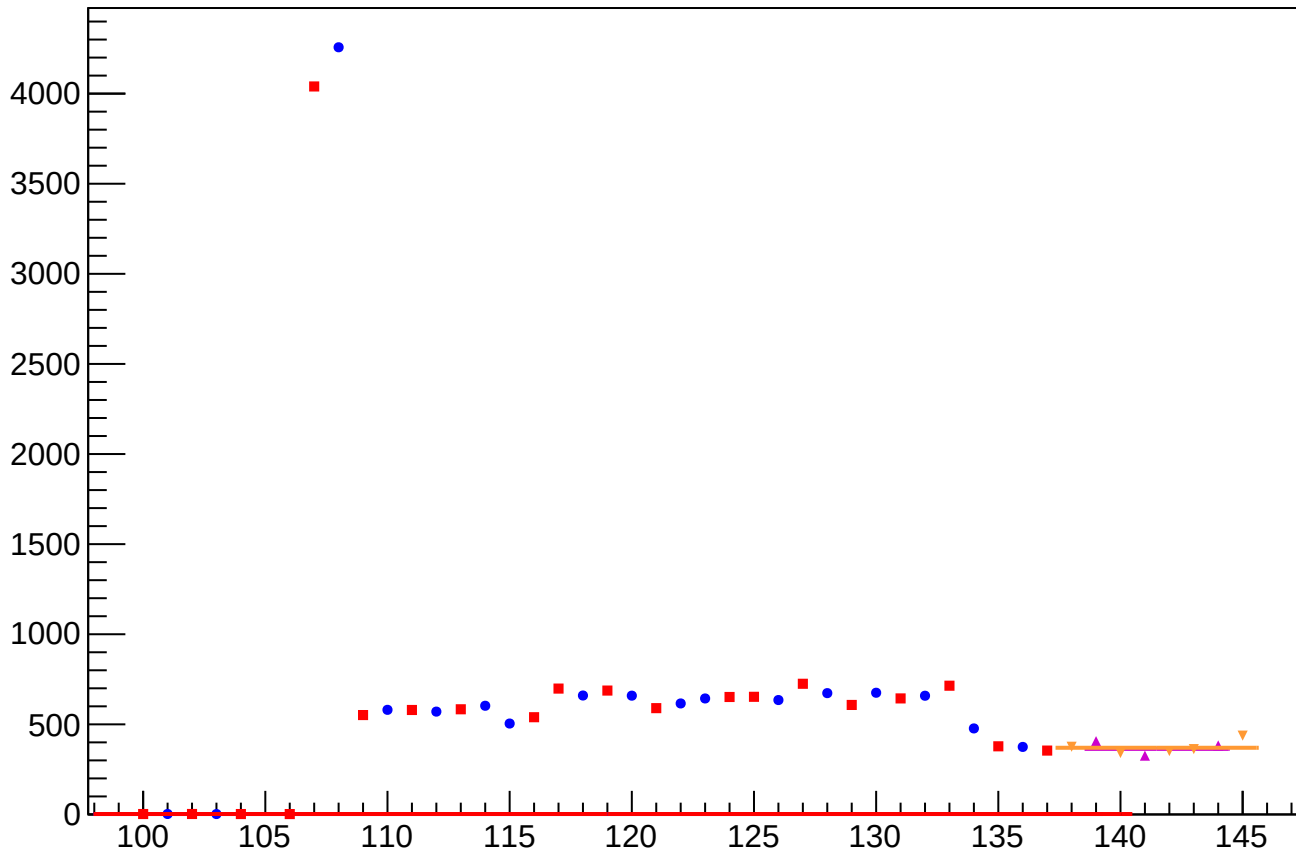
Right Out: -0.733+/-2.111 χ^2/NDF : 20.5/19

Left In: -223.112+/-235.472 χ^2/NDF : 1.3/2

-1.540+/-2.251 χ^2/NDF : 21.7/21

-0.751+/-2.111 χ^2/NDF : 22.7/22

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 370.080+/-0.144 χ^2/NDF :50463.0/4

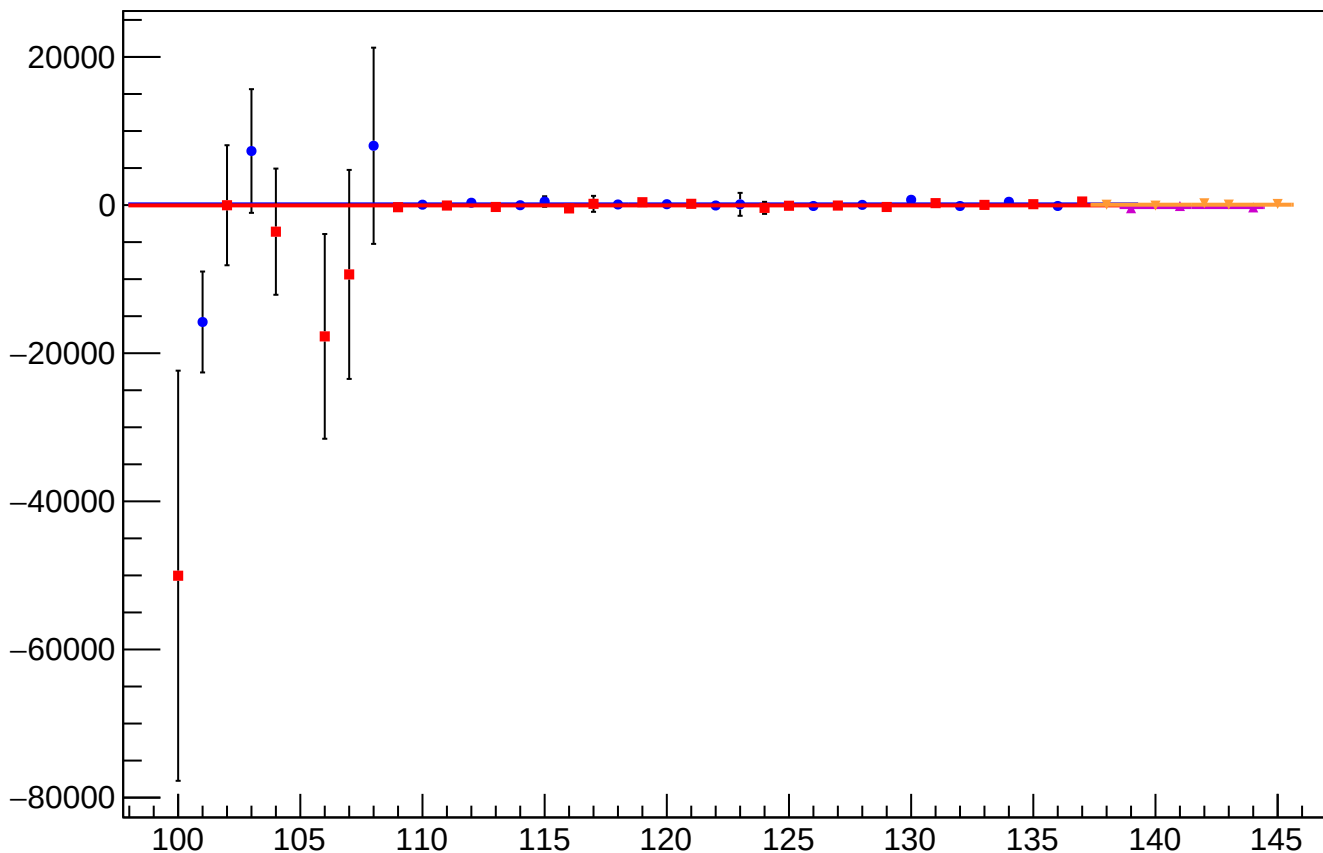
Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

Left In: 363.950+/-0.167 χ^2/NDF :42498.4/2

2.501+/-0.002 χ^2/NDF : 17291842.7/21

2.466+/-0.001 χ^2/NDF : 15982212.1/22

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 51.998+/-141.605 χ^2/NDF : 0.5/4

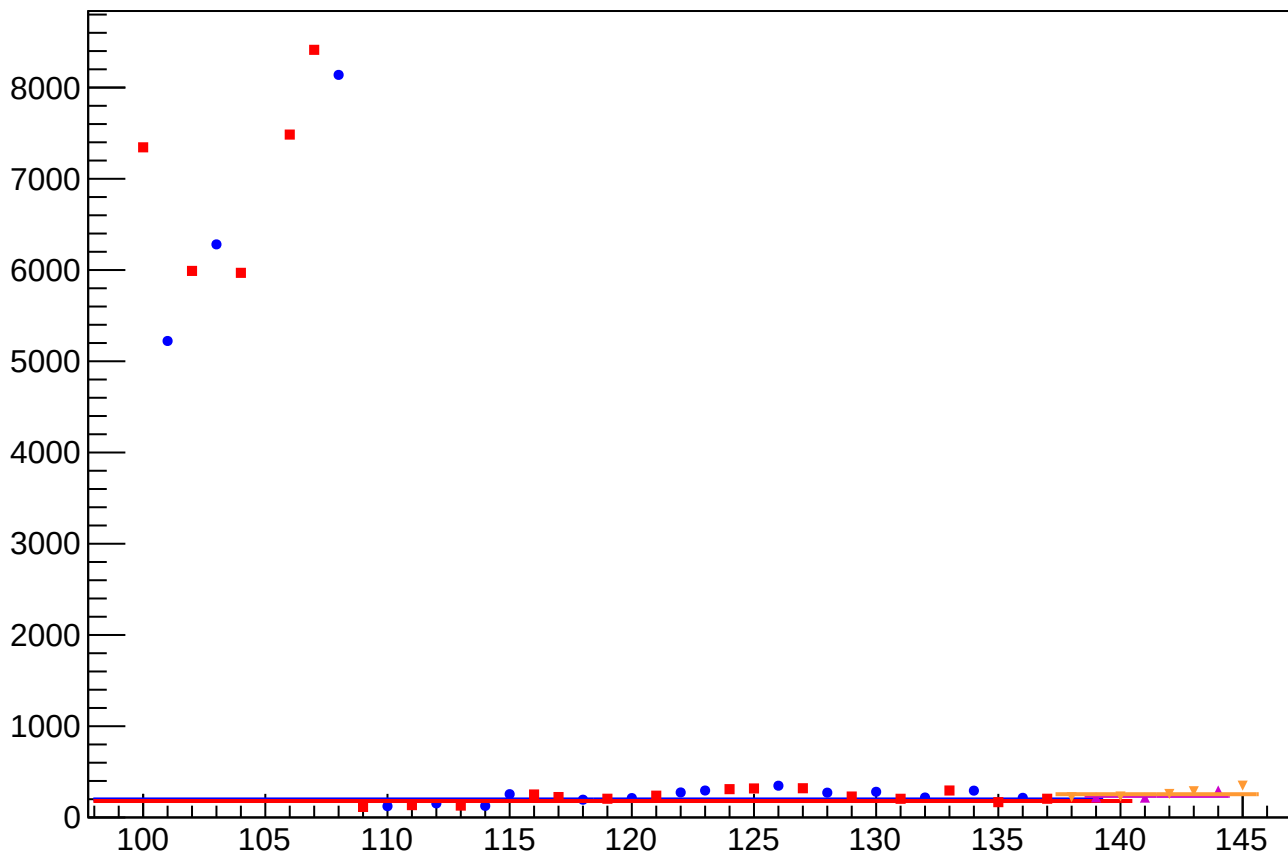
Right Out: -41.335+/-84.288 χ^2/NDF : 14.0/19

Left In: -269.749+/-154.618 χ^2/NDF : 0.7/2

82.542+/-76.975 χ^2/NDF : 12.6/21

-93.663+/-74.006 χ^2/NDF : 16.5/22

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 254.769+/-0.100 χ^2/NDF : 178880.3/4

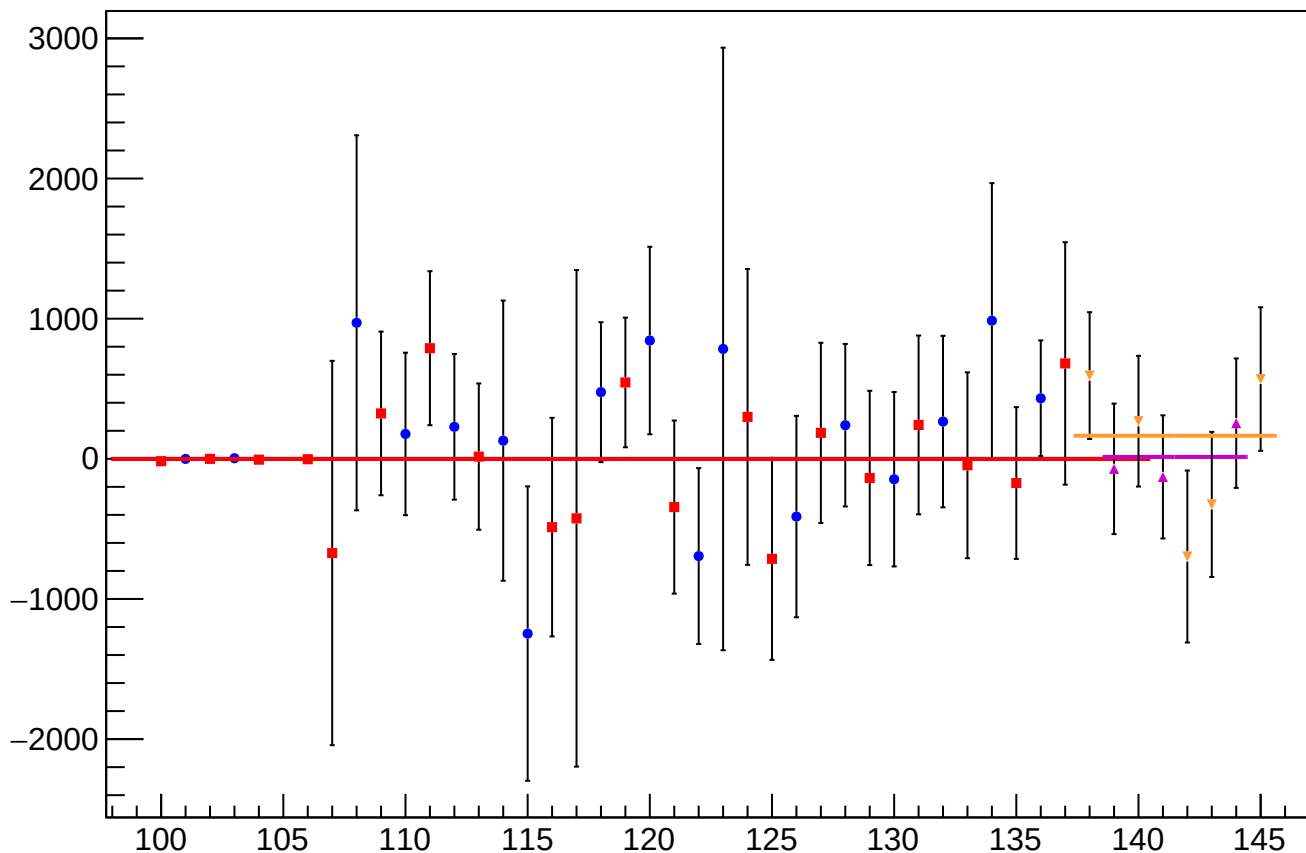
Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

Left In: 236.575+/-0.109 χ^2/NDF : 88545.4/2

214.367+/-0.054 χ^2/NDF : 4105816.6/21

193.154+/-0.052 χ^2/NDF : 4617827.5/22

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 164.716 ± 225.391 χ^2/NDF : 4.4/4

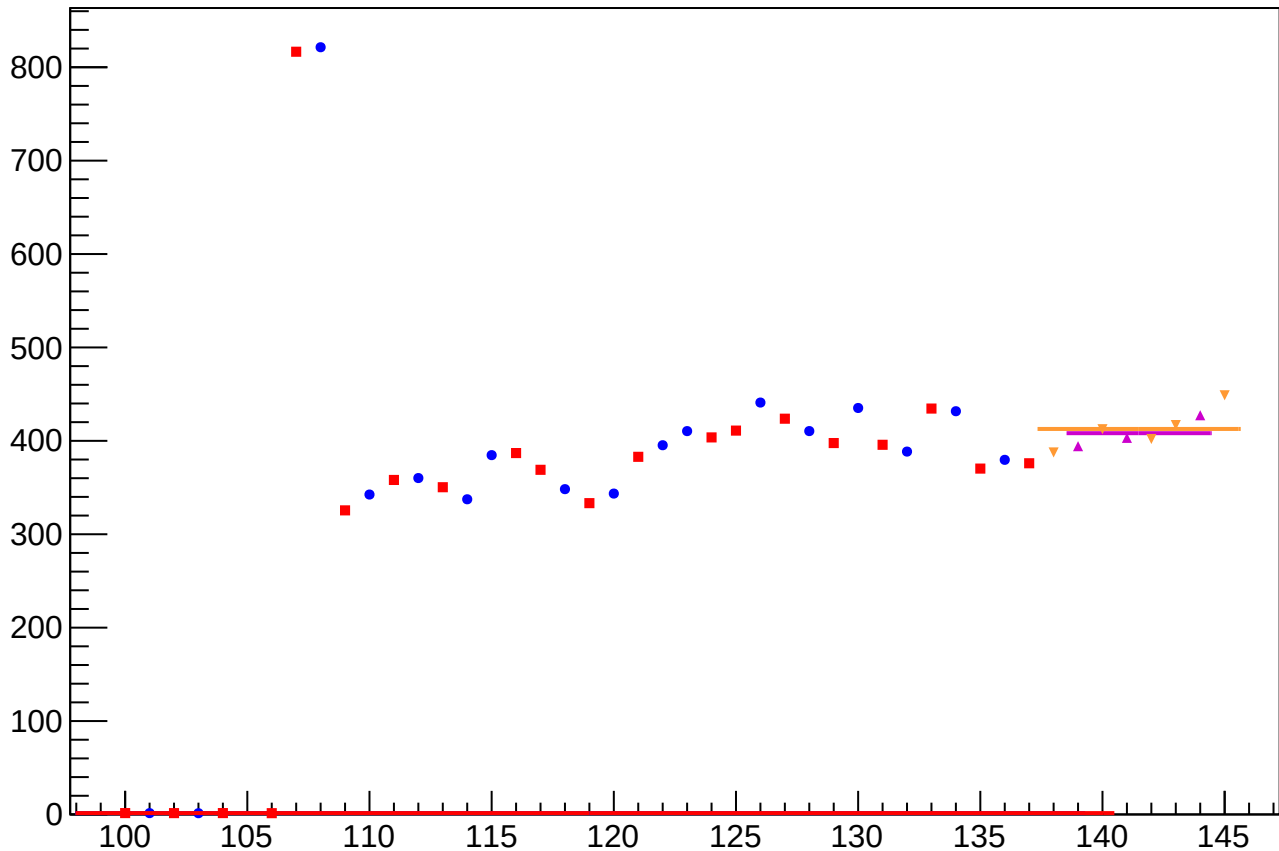
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.6/19

Left In: 13.385 ± 262.728 χ^2/NDF : 0.4/2

-0.129 ± 1.737 χ^2/NDF : 14.8/21

-1.323 ± 1.623 χ^2/NDF : 10.0/22

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 412.737+/-0.159 χ^2/NDF :16829.1/4

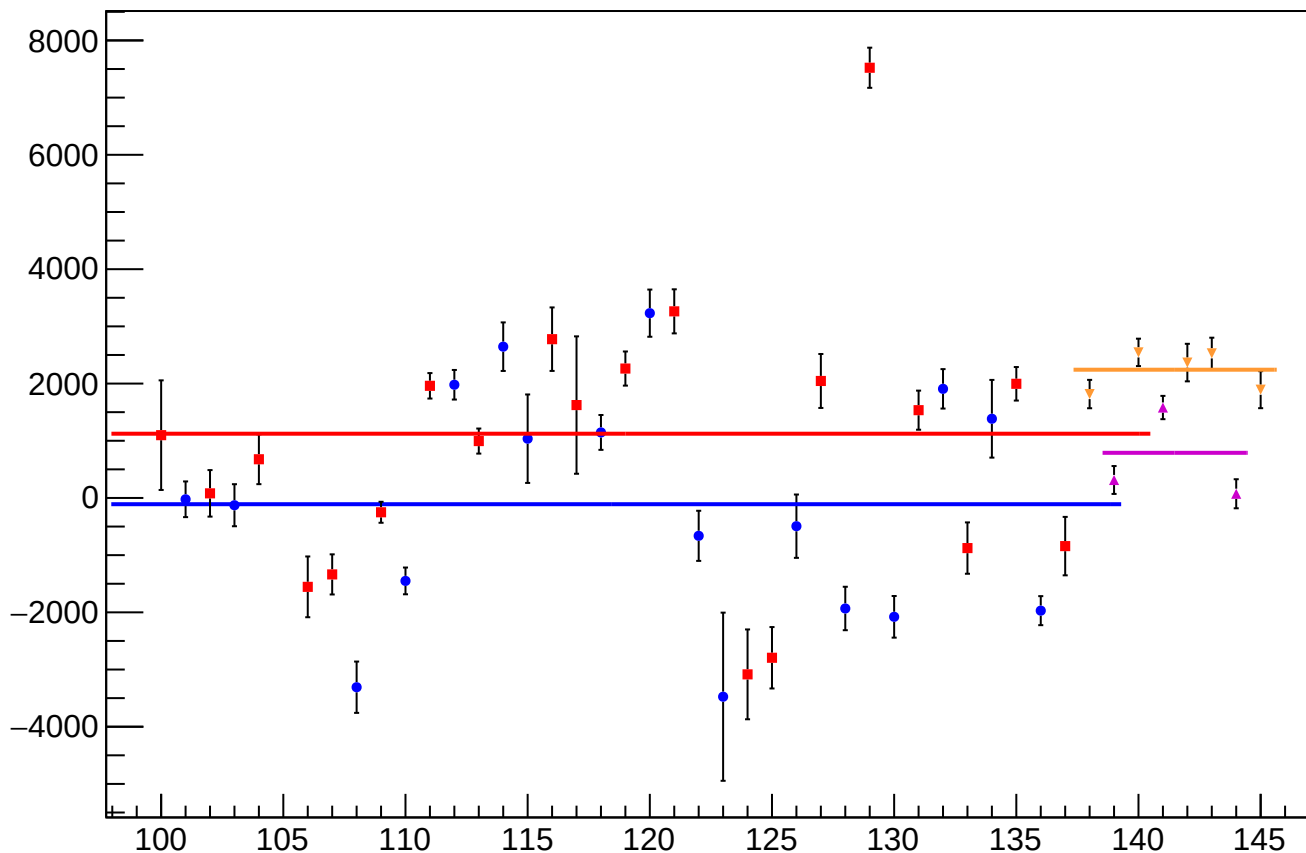
Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

Left In: 408.202+/-0.186 χ^2/NDF :5504.6/2

1.477+/-0.001 χ^2/NDF : 17491844.8/21

1.467+/-0.001 χ^2/NDF : 15758708.3/22

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 χ^2/NDF : 428.3/16

Left Out: 2242.371 ± 123.223 χ^2/NDF : 6.9/4

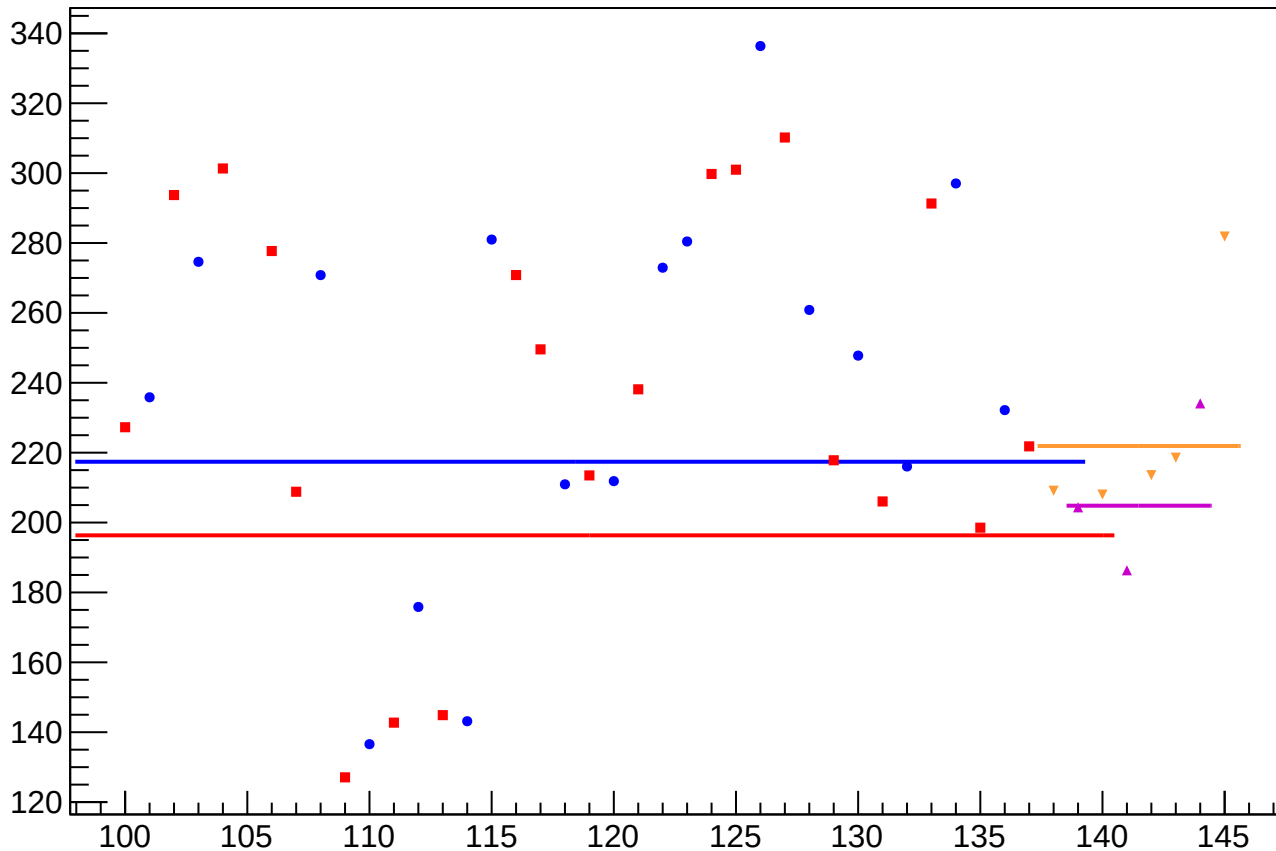
Right Out: 1123.337 ± 78.230 χ^2/NDF : 670.2/19

Left In: 789.243 ± 133.111 χ^2/NDF : 26.9/2

684.576 ± 71.592 χ^2/NDF : 676.6/21

1037.568 ± 67.444 χ^2/NDF : 701.8/22

asym_bcm0l02_rms vs Slug



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 221.914 $\pm$ 0.087 χ^2 /NDF: 82292.8/4

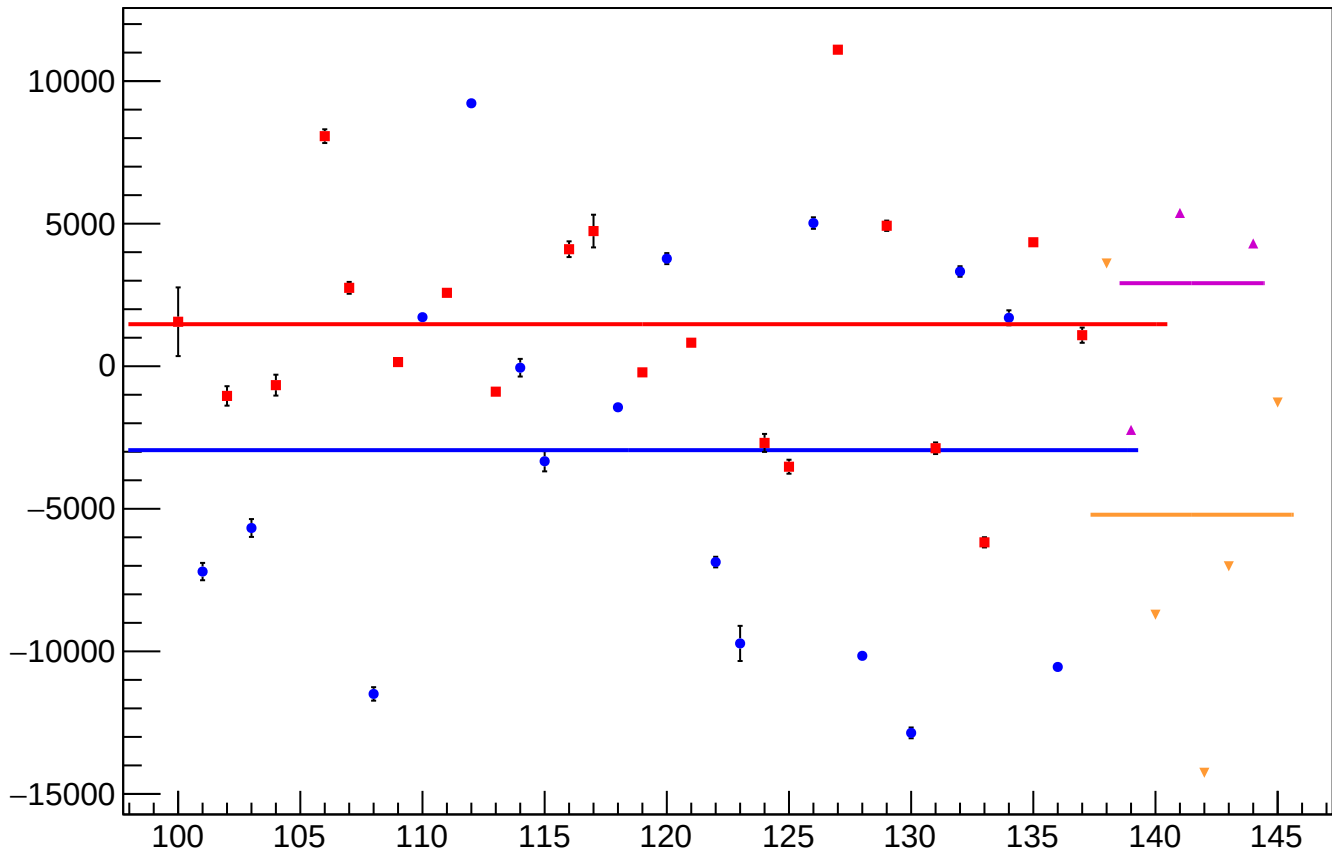
218.925 $\pm$ 0.051 χ^2 /NDF: 736701.2/21

Right Out: 196.339 $\pm$ 0.055 χ^2 /NDF: 1194805.7/19

198.518 $\pm$ 0.048 χ^2 /NDF: 1243896.2/22

Left In: 204.827 $\pm$ 0.094 χ^2 /NDF: 43046.1/2

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -5207.482 ± 65.451 $\chi^2/\text{NDF}: 8060.9/4$

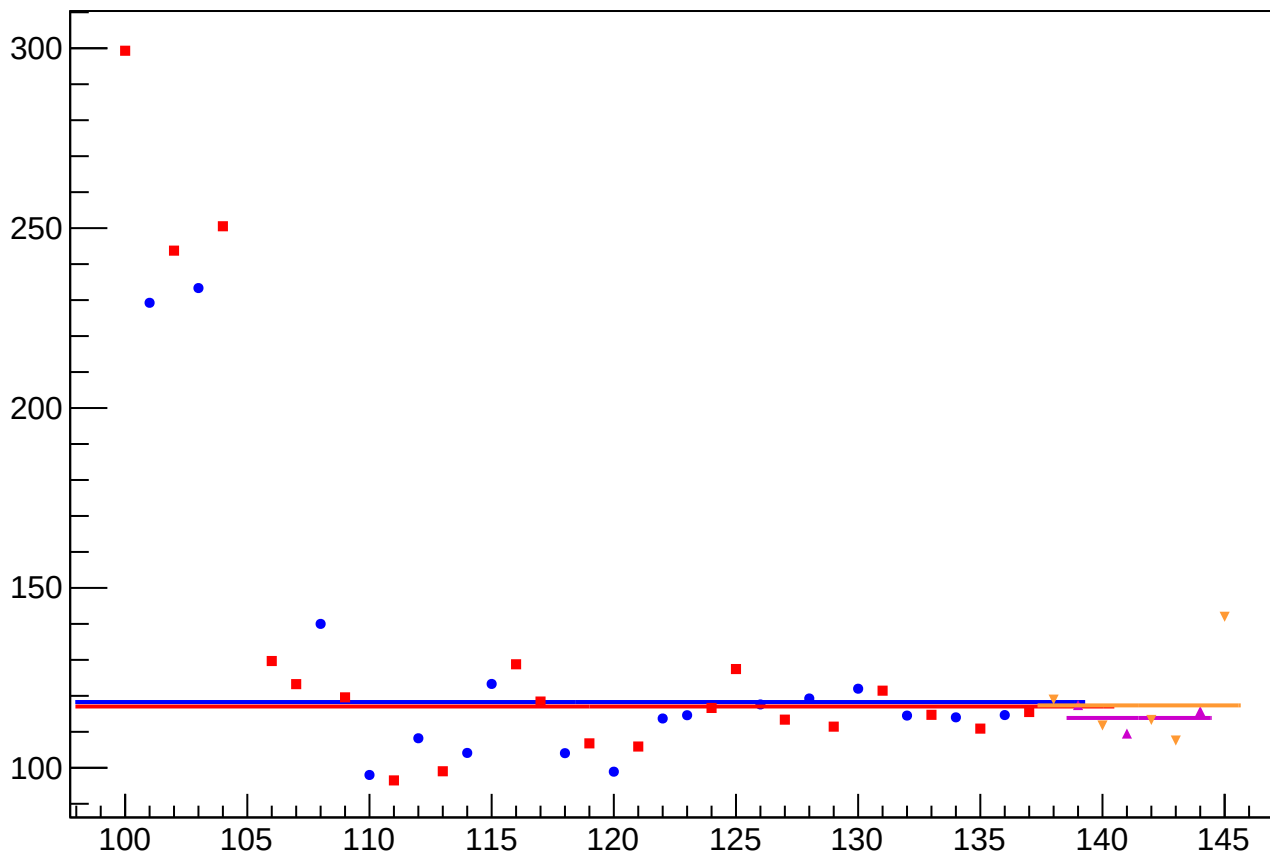
Right Out: 1474.497 ± 46.252 $\chi^2/\text{NDF}: 8028.6/19$

Left In: 2912.784 ± 74.516 $\chi^2/\text{NDF}: 1848.5/2$

-3748.157 ± 39.026 $\chi^2/\text{NDF}: 29742.1/21$

1874.514 ± 39.298 $\chi^2/\text{NDF}: 10146.1/22$

asym_bpm2i01WS_rms vs Slug



Right In: 118.286 ± 0.034 χ^2/NDF : 636918.0/16

Left Out: 117.347 ± 0.046 χ^2/NDF : 60285.9/4

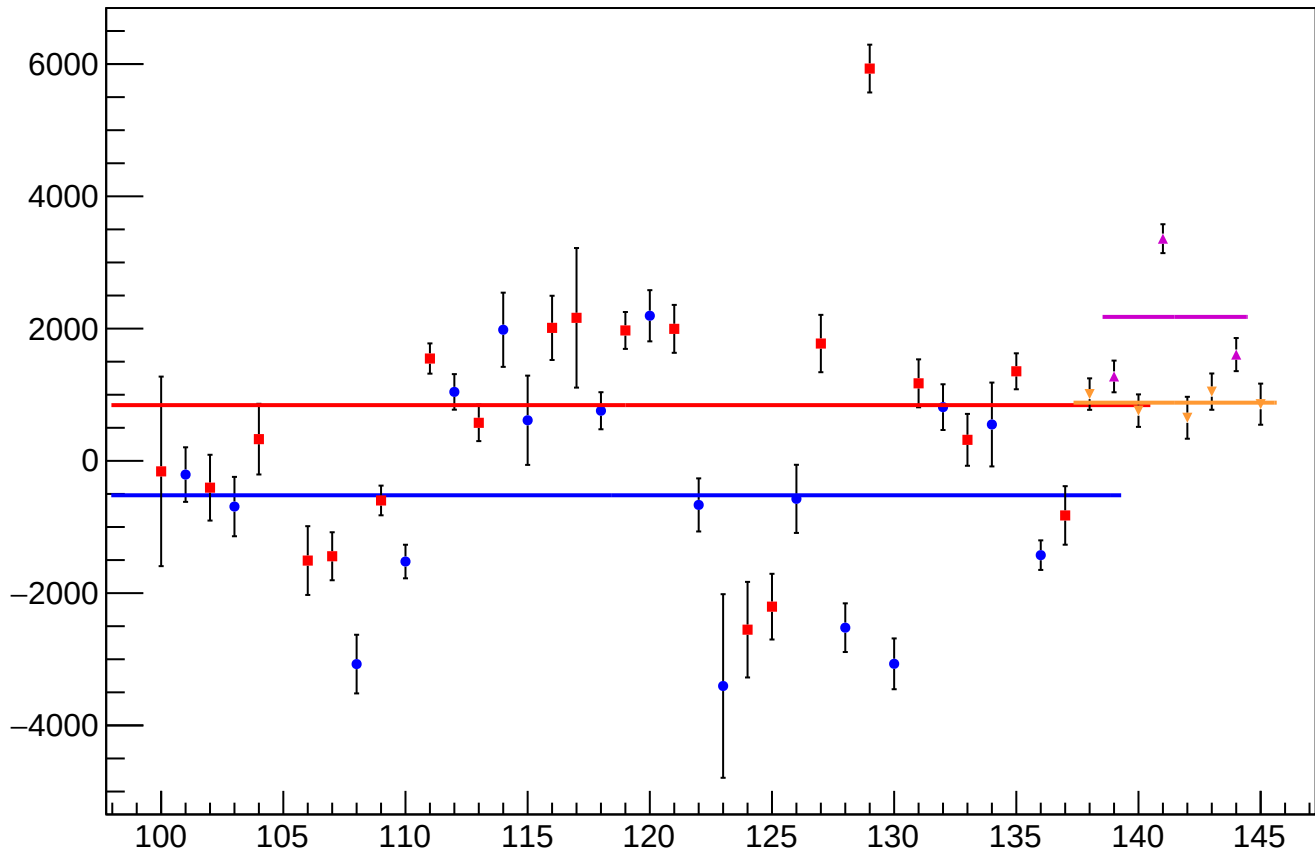
Right Out: 117.040 ± 0.033 χ^2/NDF : 690873.1/19

Left In: 113.856 ± 0.053 χ^2/NDF : 4306.2/2

117.952 ± 0.028 χ^2/NDF : 697468.7/21

116.155 ± 0.028 χ^2/NDF : 697815.6/22

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 880.043 ± 121.460 χ^2/NDF : 1.4/4

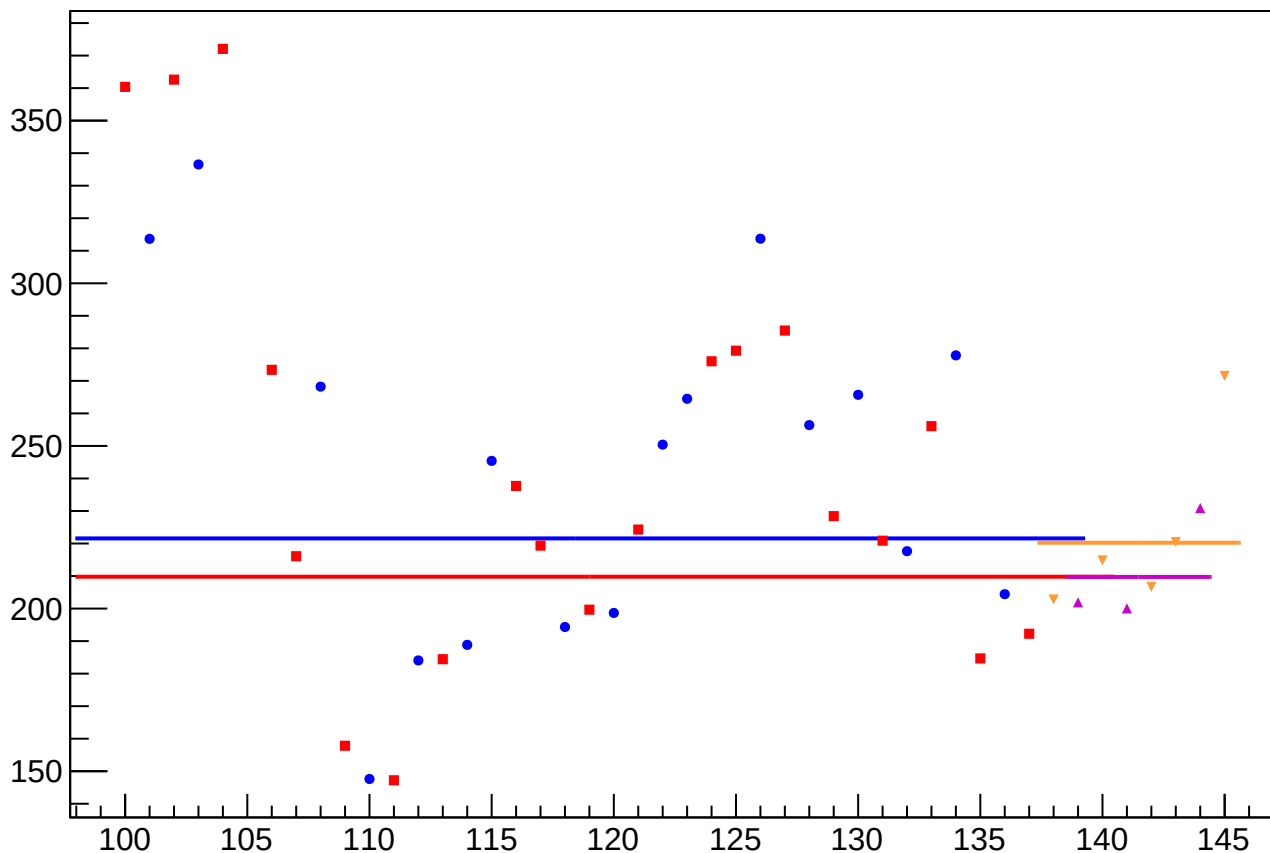
Right Out: 842.858 ± 82.024 χ^2/NDF : 436.3/19

Left In: 2177.068 ± 135.683 χ^2/NDF : 48.6/2

-29.346 ± 71.916 χ^2/NDF : 375.9/21

1199.951 ± 70.195 χ^2/NDF : 555.7/22

asym_bpm0i07WS_rms vs Slug



Right In: 221.570+/-0.063 χ^2/NDF : 644941.4/16

Left Out: 220.242+/-0.086 χ^2/NDF : 69780.5/4

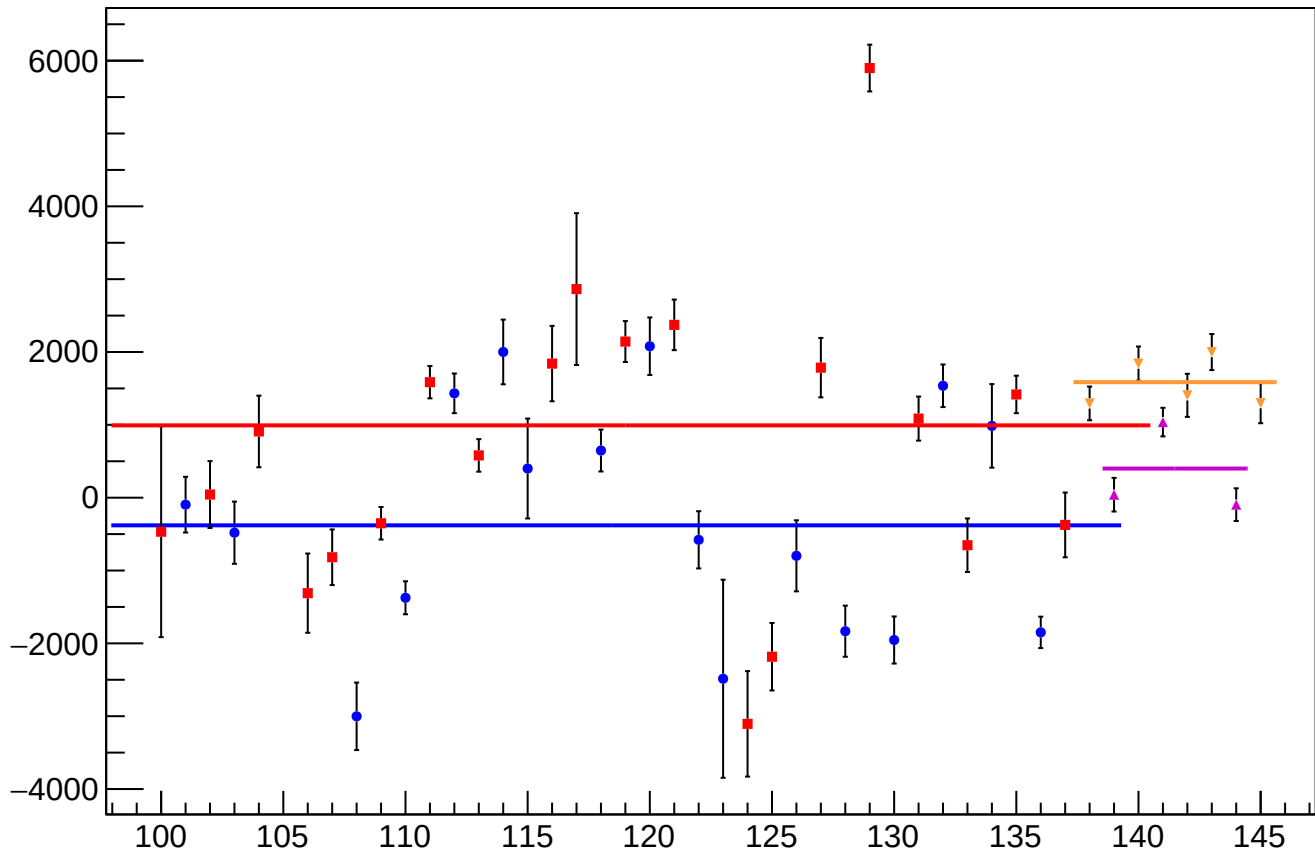
Right Out: 209.794+/-0.058 χ^2/NDF : 884087.4/19

Left In: 209.721+/-0.096 χ^2/NDF : 20349.1/2

221.104+/-0.051 χ^2/NDF : 714877.0/21

209.775+/-0.050 χ^2/NDF : 904436.9/22

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 $\chi^2/\text{NDF}: 317.2/16$

Left Out: 1586.267 ± 113.344 $\chi^2/\text{NDF}: 7.0/4$

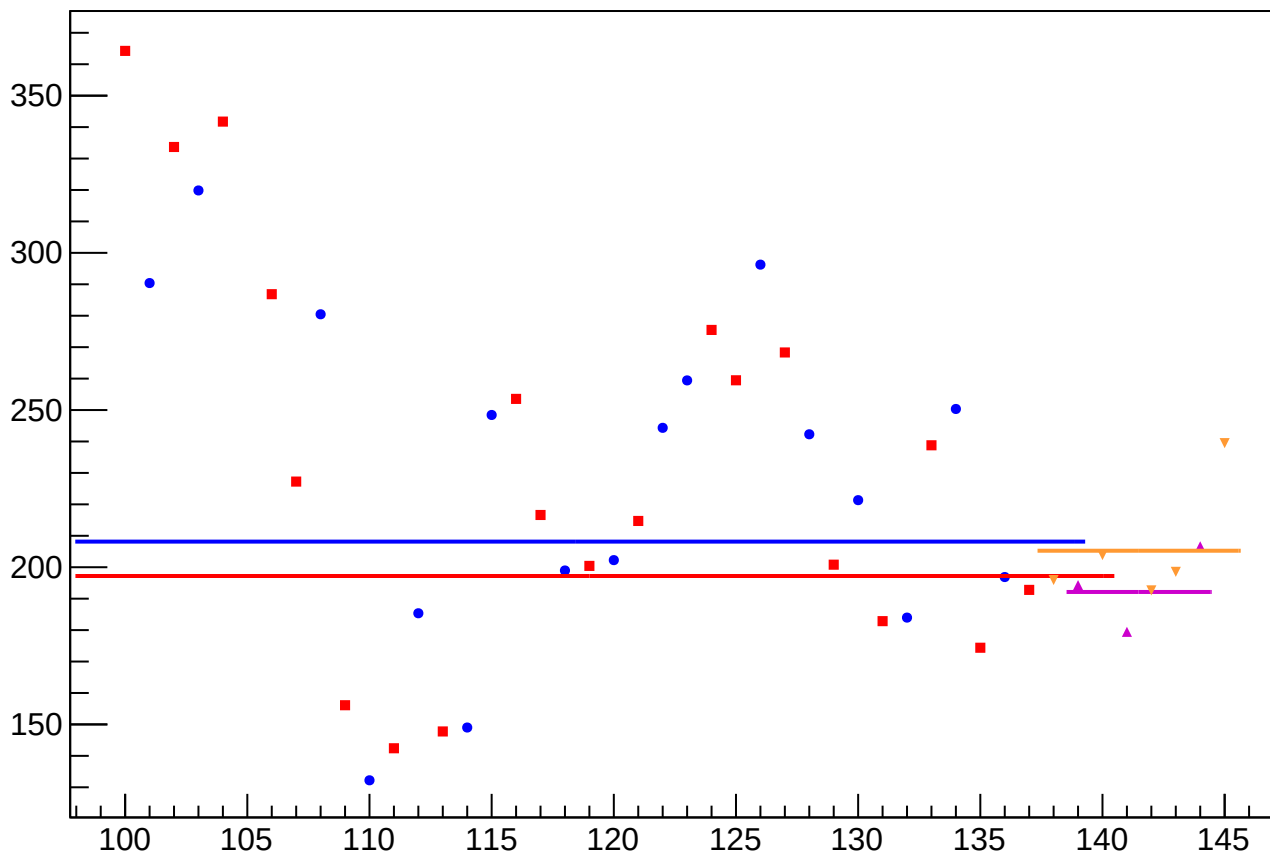
Right Out: 992.944 ± 77.509 $\chi^2/\text{NDF}: 479.5/19$

Left In: 400.058 ± 124.454 $\chi^2/\text{NDF}: 17.9/2$

320.094 ± 67.621 $\chi^2/\text{NDF}: 517.9/21$

827.248 ± 65.793 $\chi^2/\text{NDF}: 513.7/22$

asym_bpm0l01WS_rms vs Slug



Right In: 208.151 ± 0.060 χ^2/NDF : 699084.2/16

Left Out: 205.249 ± 0.080 χ^2/NDF : 39436.4/4

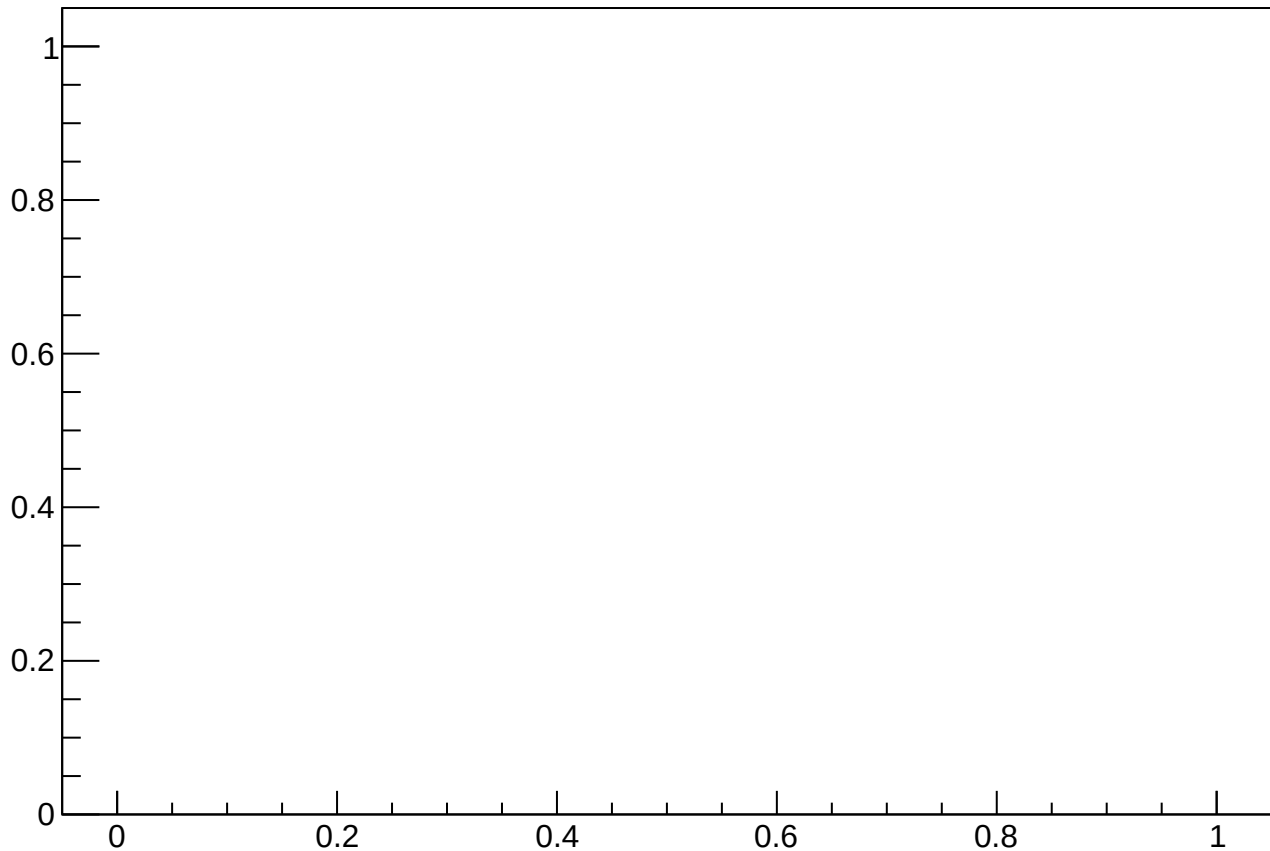
Right Out: 197.210 ± 0.055 χ^2/NDF : 927165.0/19

Left In: 192.131 ± 0.088 χ^2/NDF : 16913.1/2

207.118 ± 0.048 χ^2/NDF : 739364.9/21

195.791 ± 0.047 χ^2/NDF : 946478.5/22

bcm_an_us_ds_dd_mean vs Slug



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

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

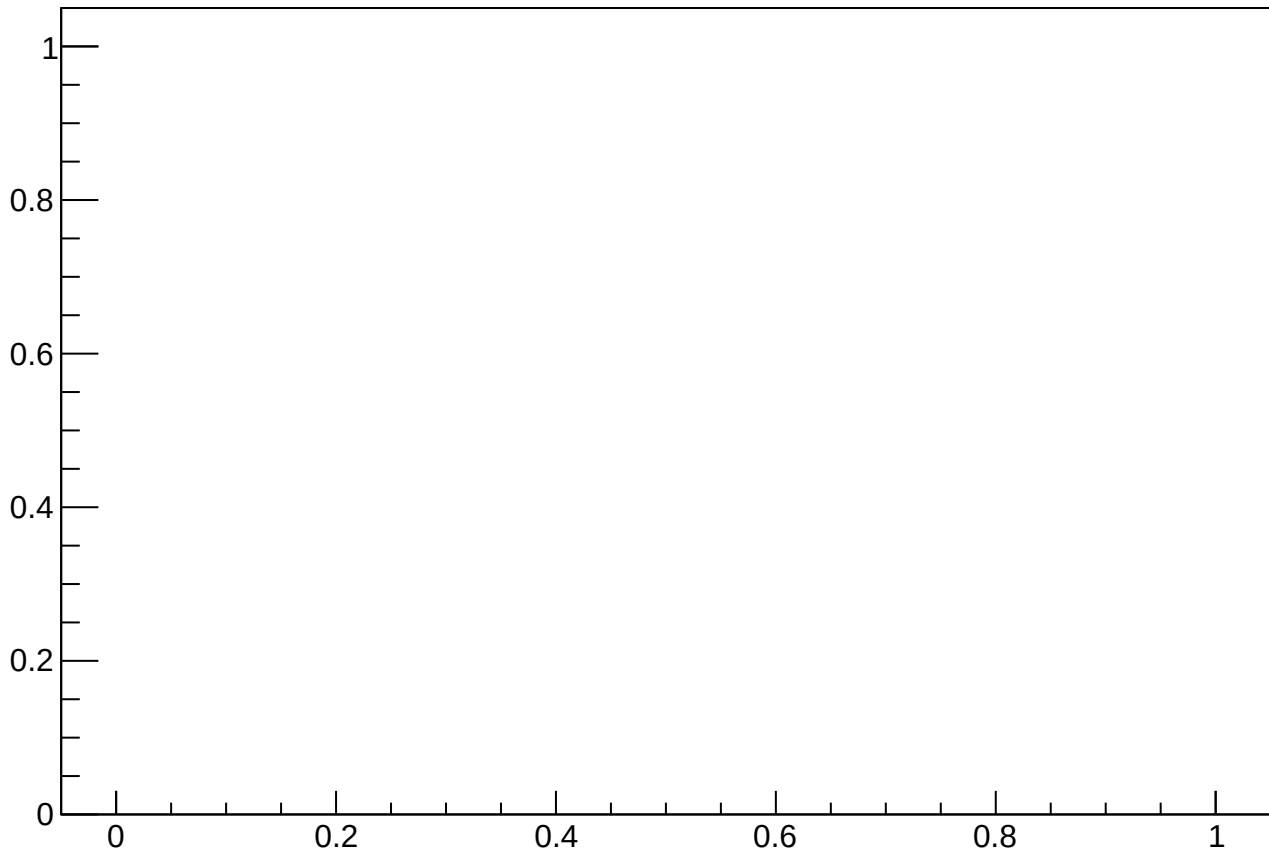
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug



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

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

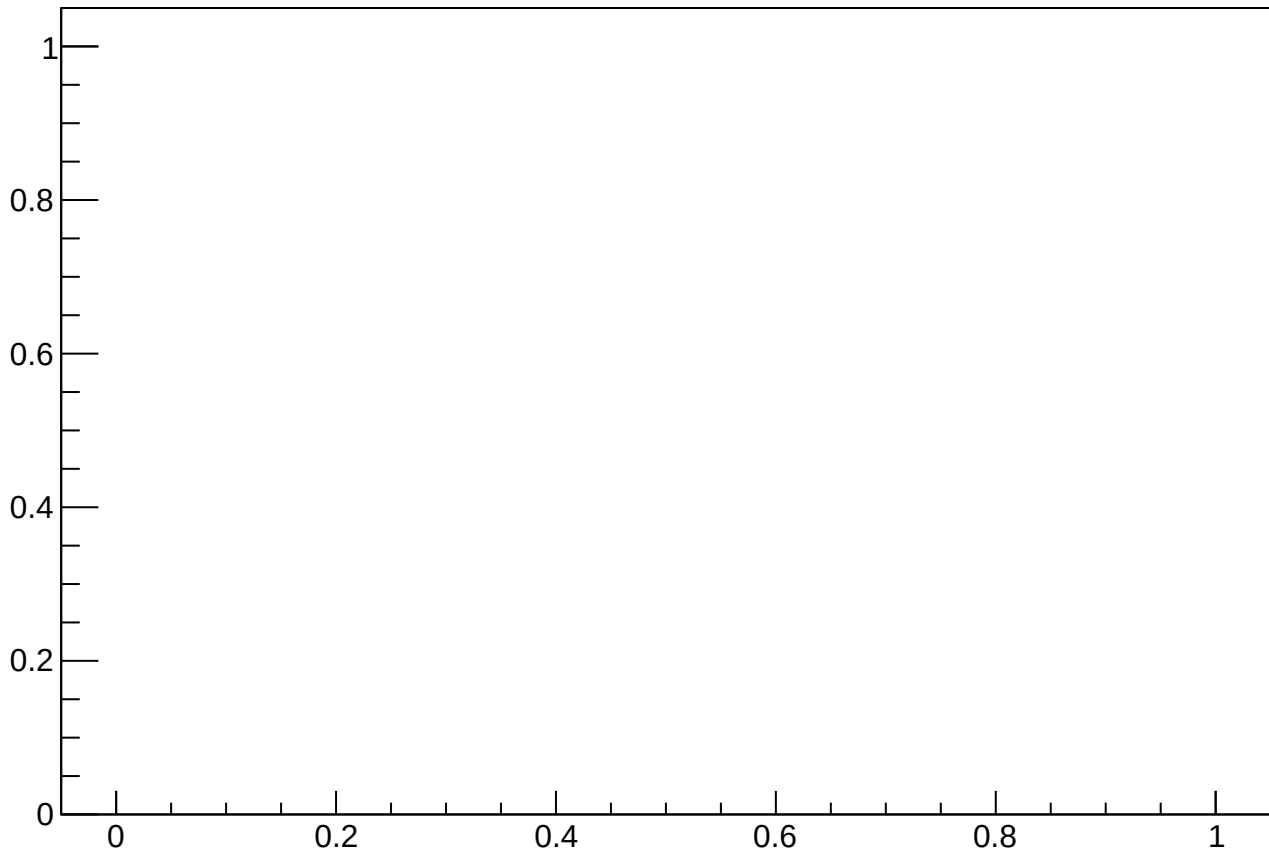
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



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

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

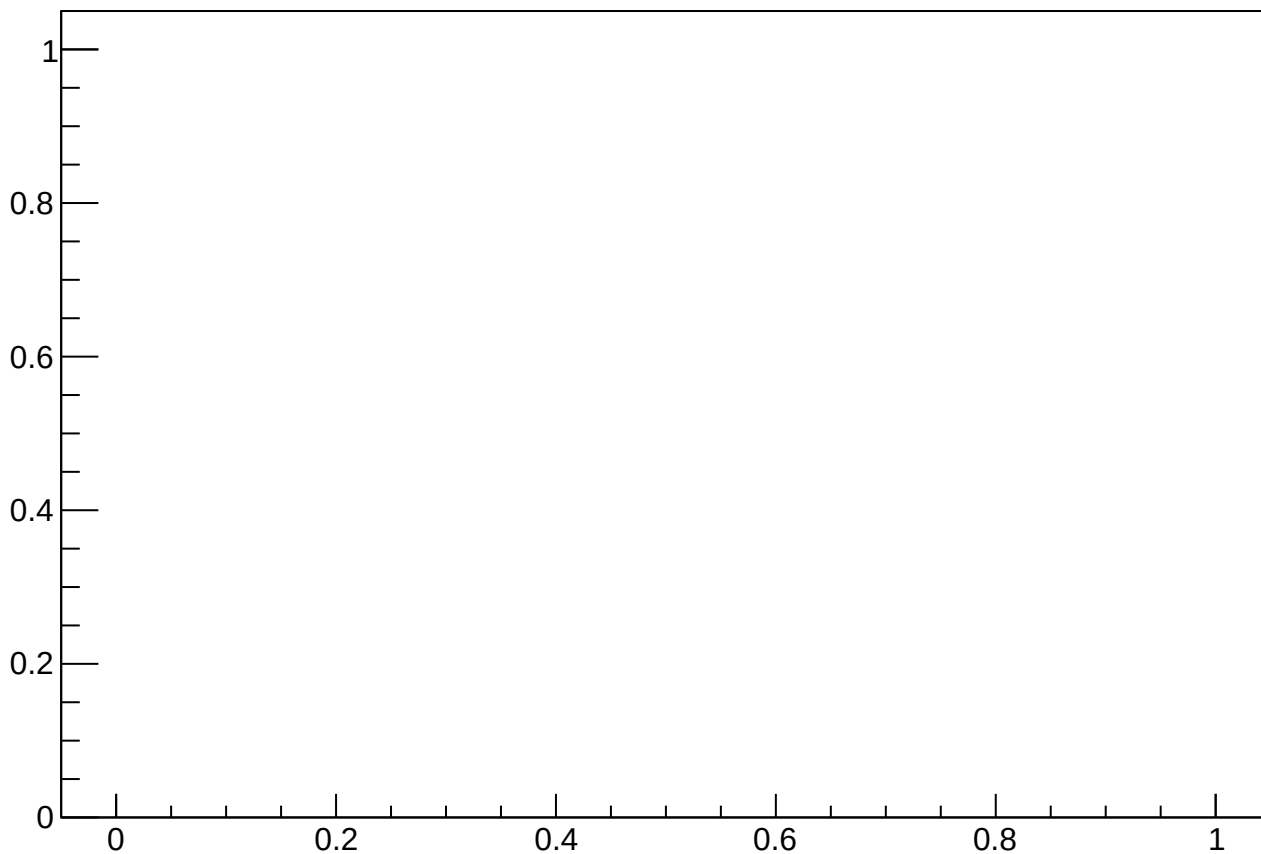
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



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

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

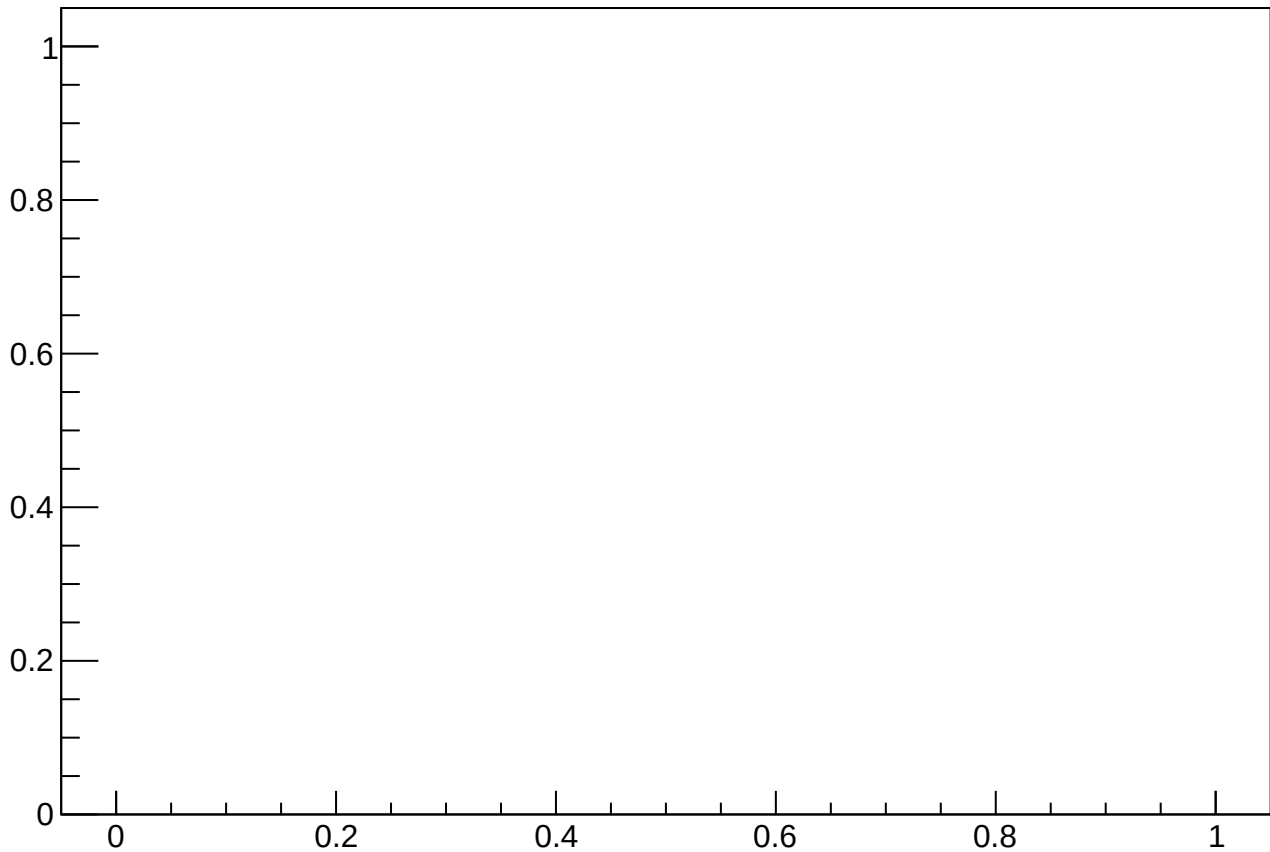
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



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

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

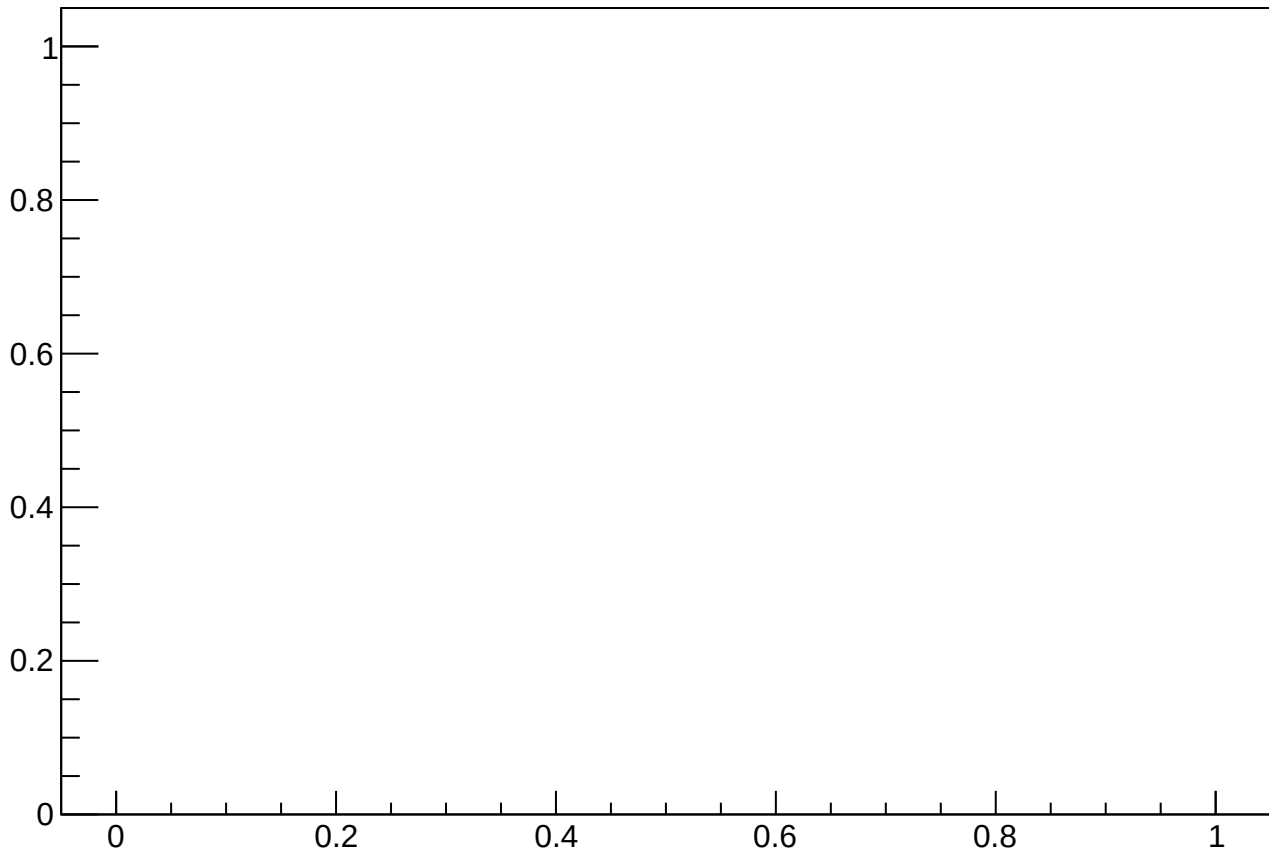
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



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

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

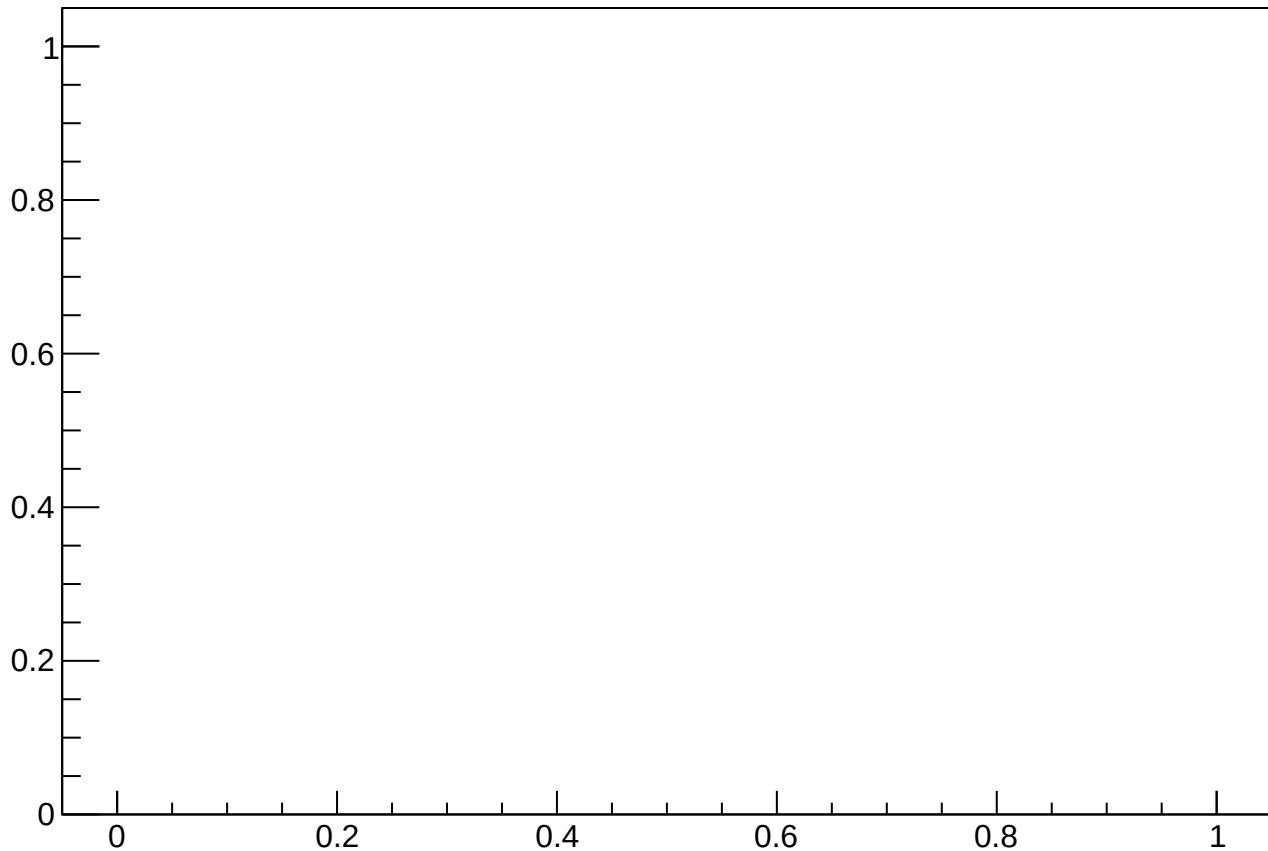
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

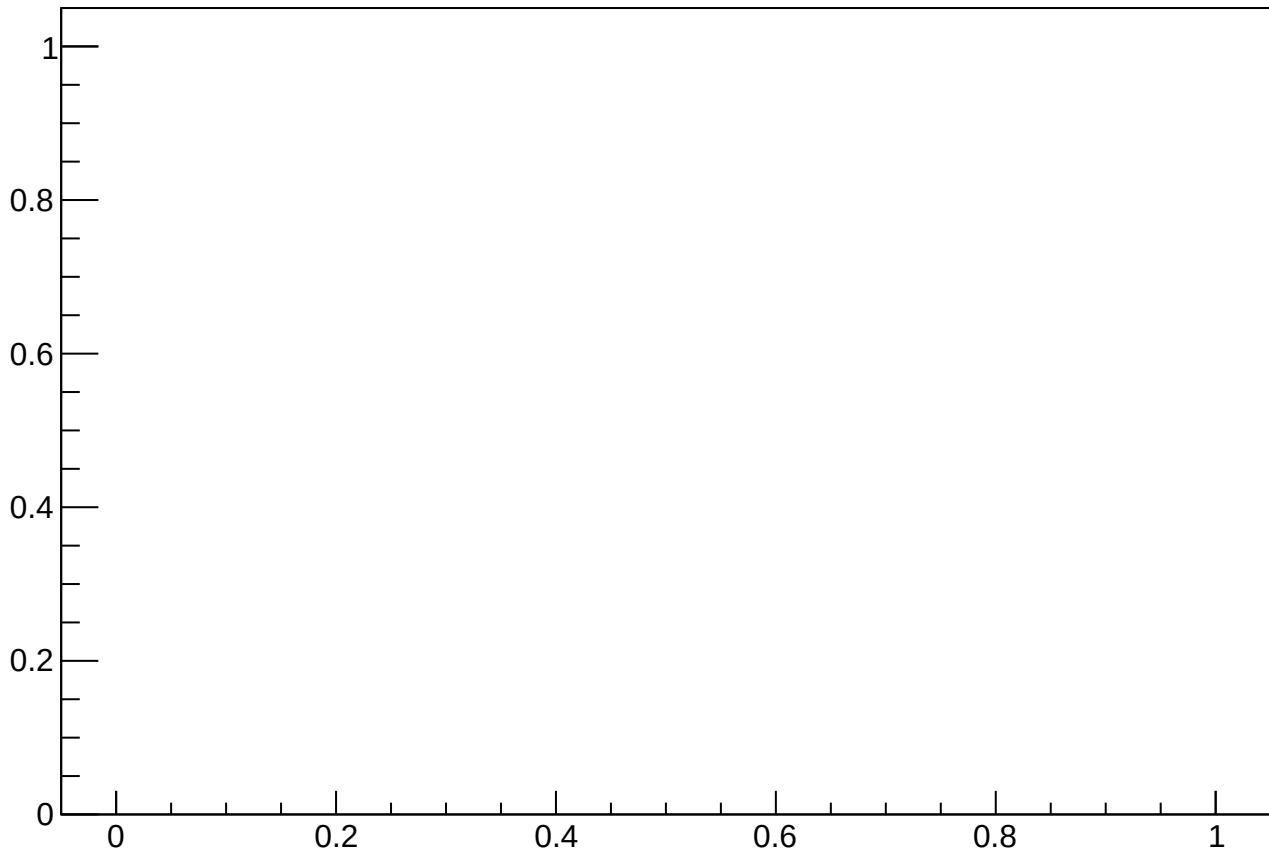
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

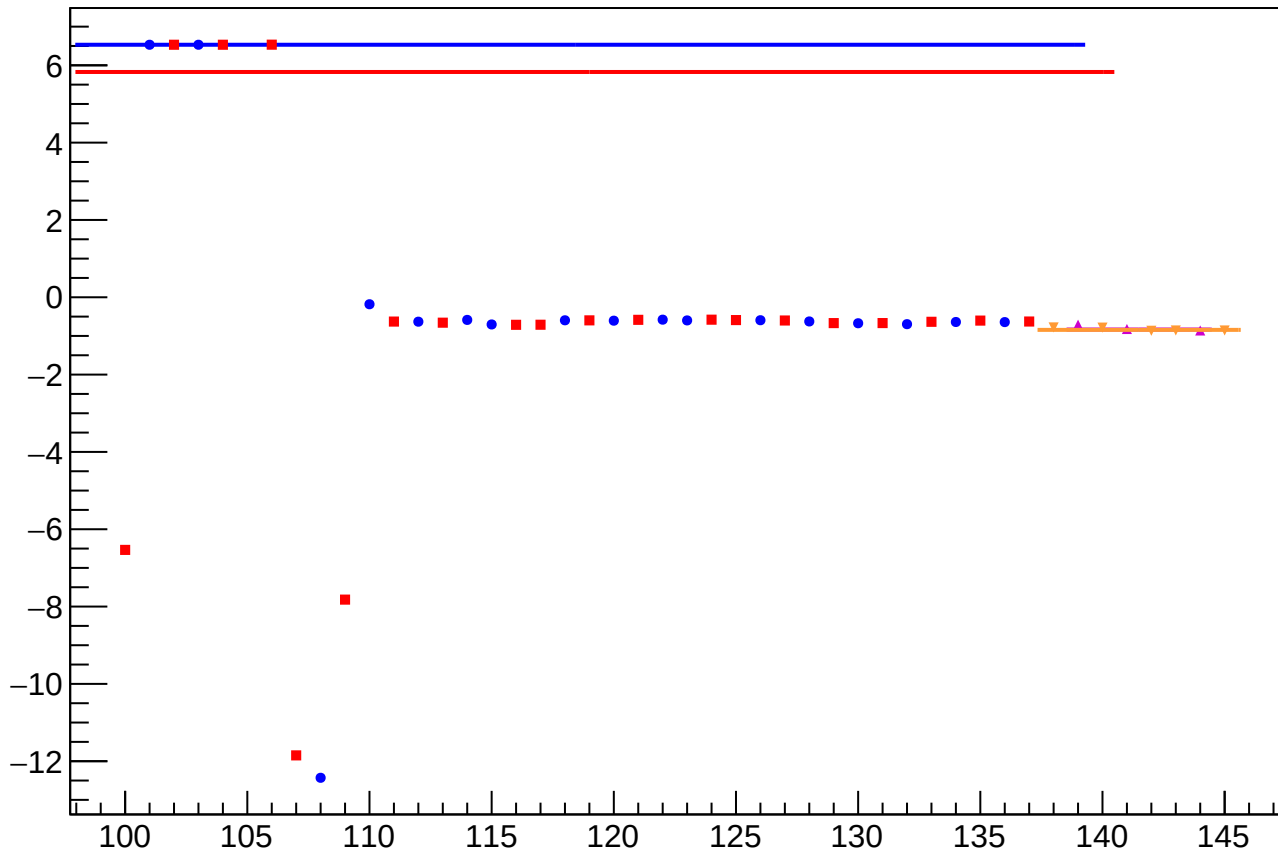
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

6.531 $\pm$ 0.000 χ^2 /NDF: 289054867546.3/21

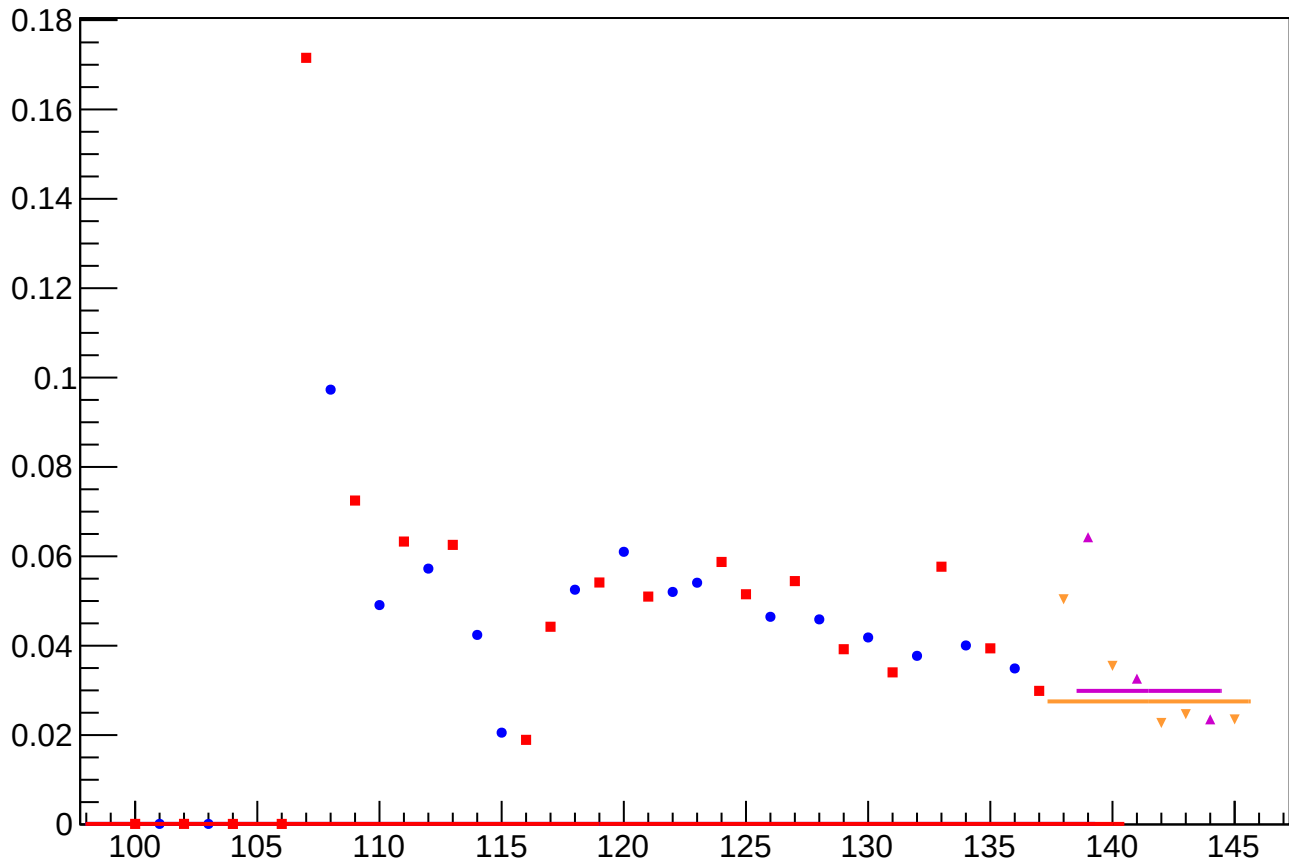
Left Out: -0.843 $\pm$ 0.000 χ^2 /NDF: 3141282.6/4

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755964092355063.0/19

5.827 $\pm$ 0.000 χ^2 /NDF: 756045669203768.2/22

Left In: -0.834 $\pm$ 0.000 χ^2 /NDF: 3449028.3/2

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.028+/-0.000 χ^2/NDF : 374728.4/4

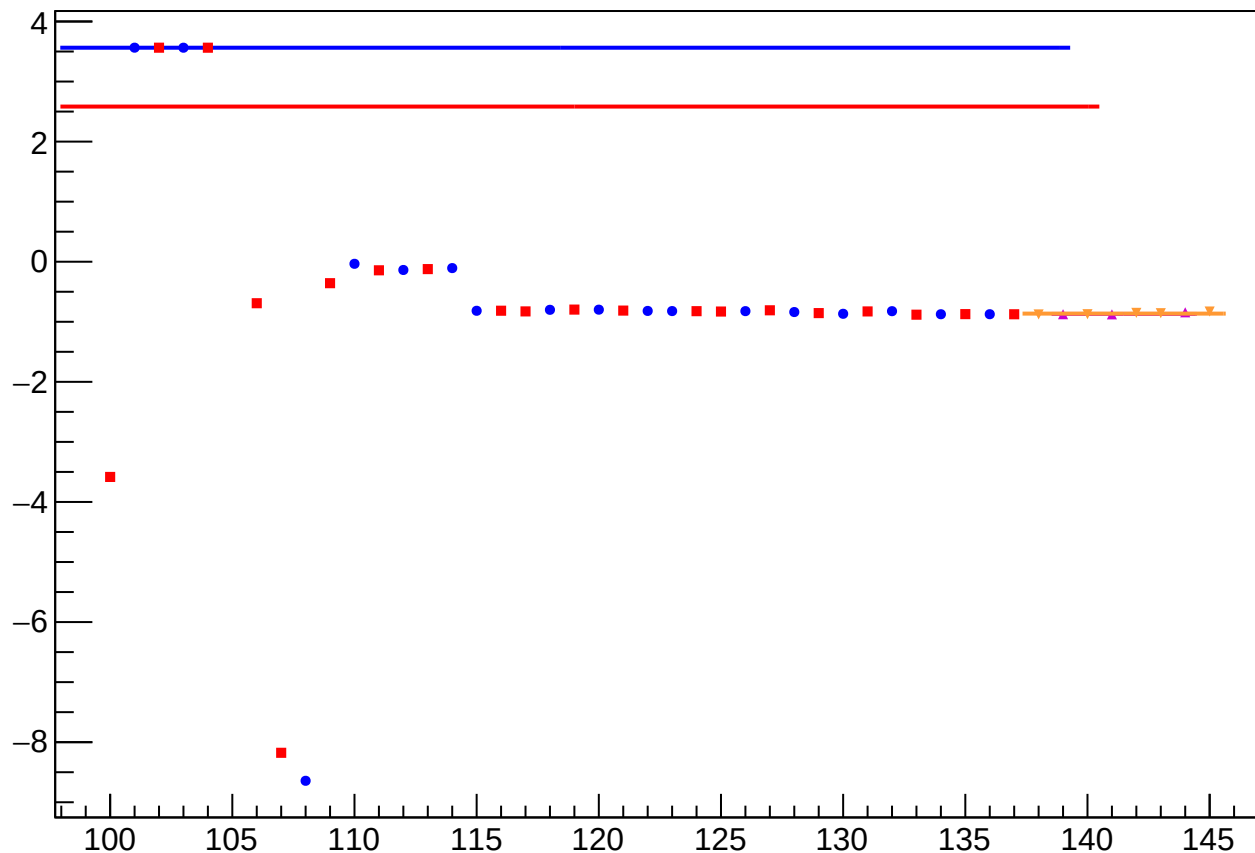
Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

Left In: 0.030+/-0.000 χ^2/NDF : 500108.6/2

0.000+/-0.000 χ^2/NDF : 13732922.4/21

0.000+/-0.000 χ^2/NDF : 13187758.7/22

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.864+/-0.000 χ^2/NDF : 11513108.3/4

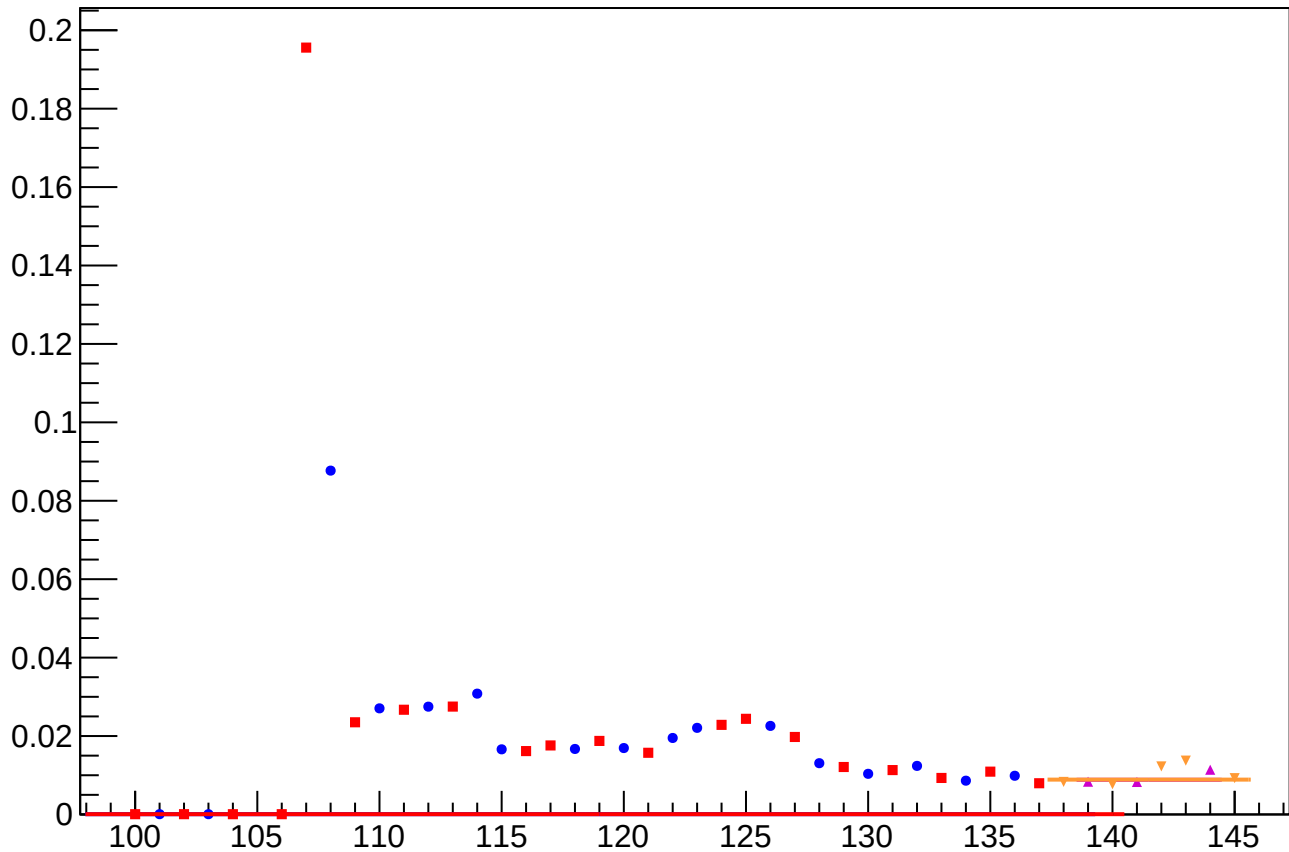
Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

Left In: -0.870+/-0.000 χ^2/NDF : 4010203.0/2

3.563+/-0.000 χ^2/NDF : 1148535745722.6/21

2.583+/-0.000 χ^2/NDF : 1253817289918107.0/2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :203066.3/4

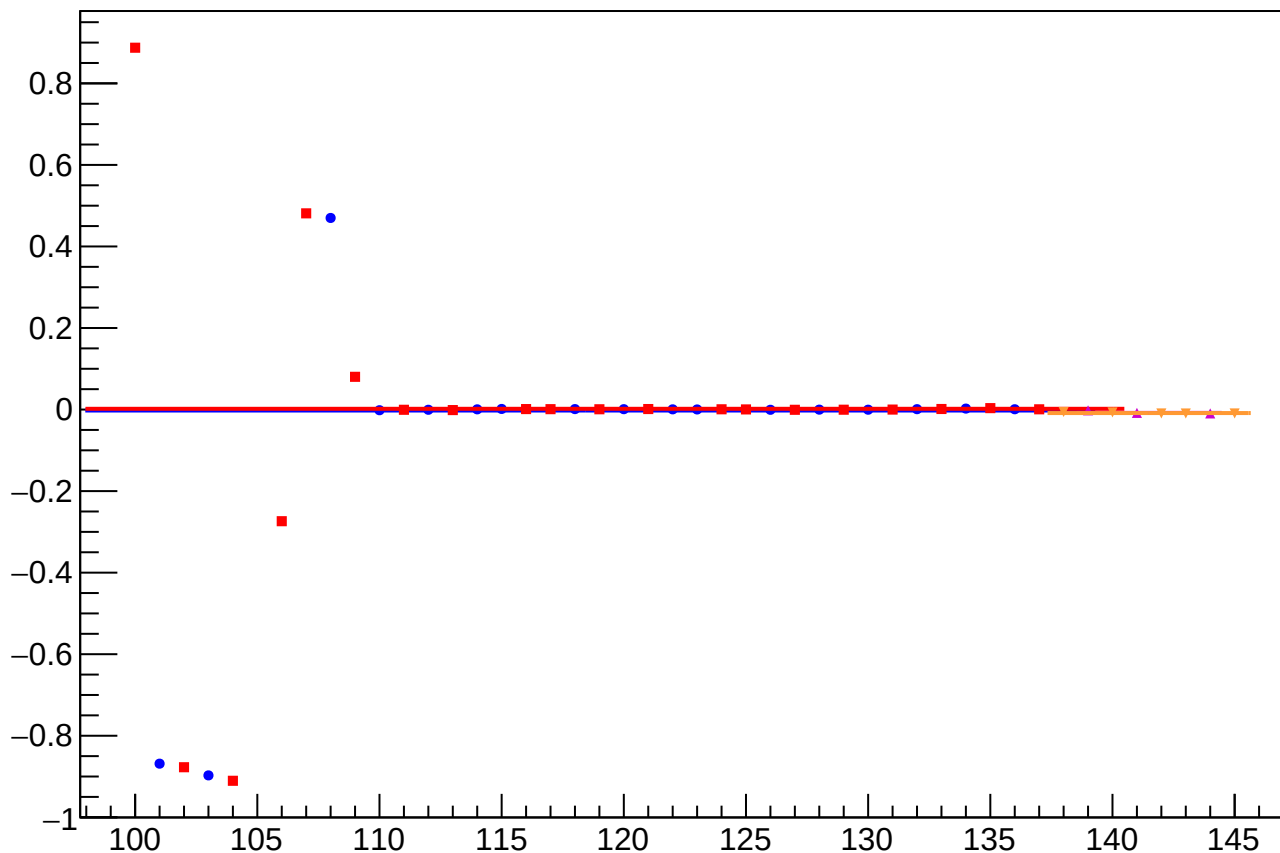
Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

Left In: 0.009+/-0.000 χ^2/NDF :70043.7/2

0.000+/-0.000 χ^2/NDF : 15215773.3/21

0.000+/-0.000 χ^2/NDF : 14052708.7/22

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.009+/-0.000 χ^2/NDF : 2577732.6/4

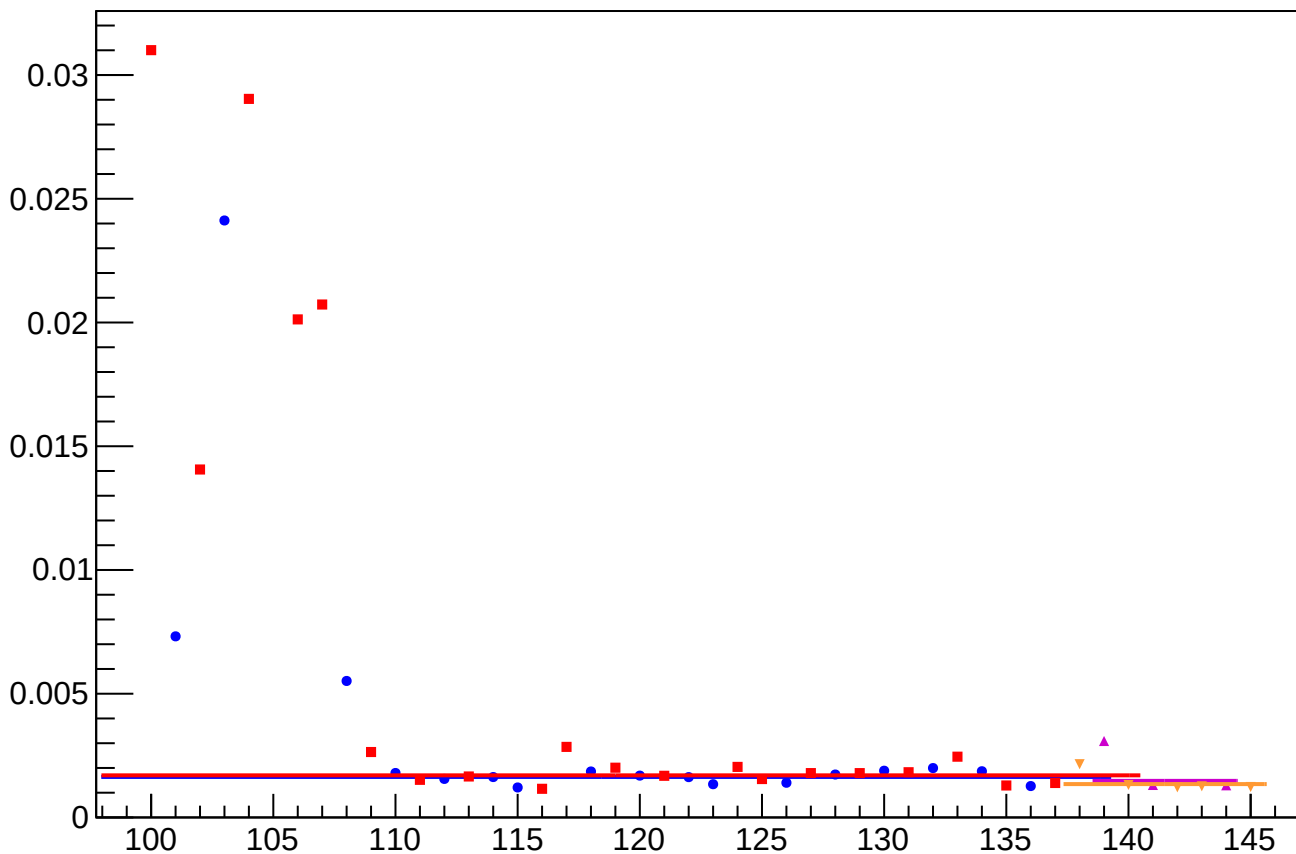
Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

Left In: -0.008+/-0.000 χ^2/NDF : 3560140.8/2

-0.005+/-0.000 χ^2/NDF : 9825299008.3/21

-0.002+/-0.000 χ^2/NDF : 3096967787.3/22

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:187731.4/4

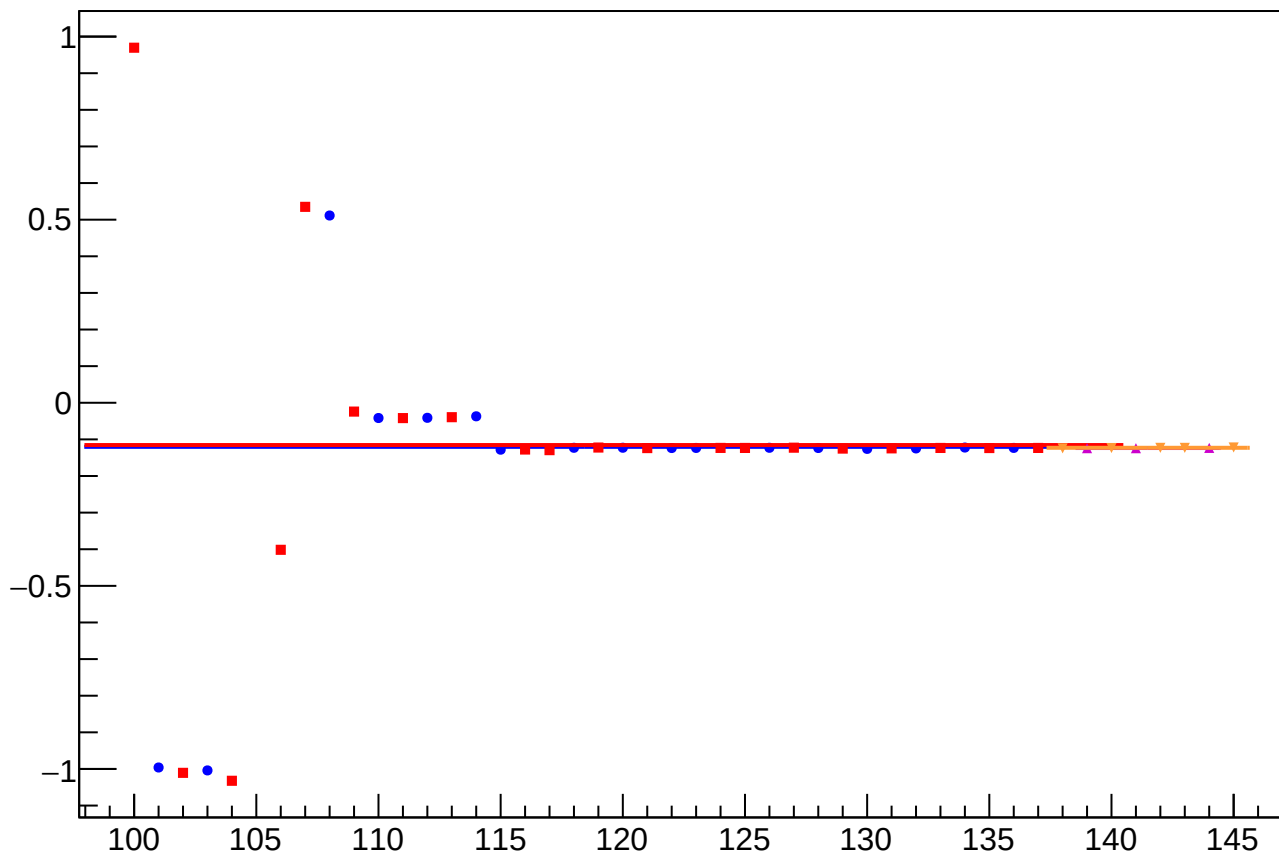
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3037006.7/19

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:434012.2/2

0.002 $\pm$ 0.000 χ^2 /NDF: 2224835.6/21

0.002 $\pm$ 0.000 χ^2 /NDF: 3522814.1/22

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.123+/-0.000 χ^2/NDF : 1689443.2/4

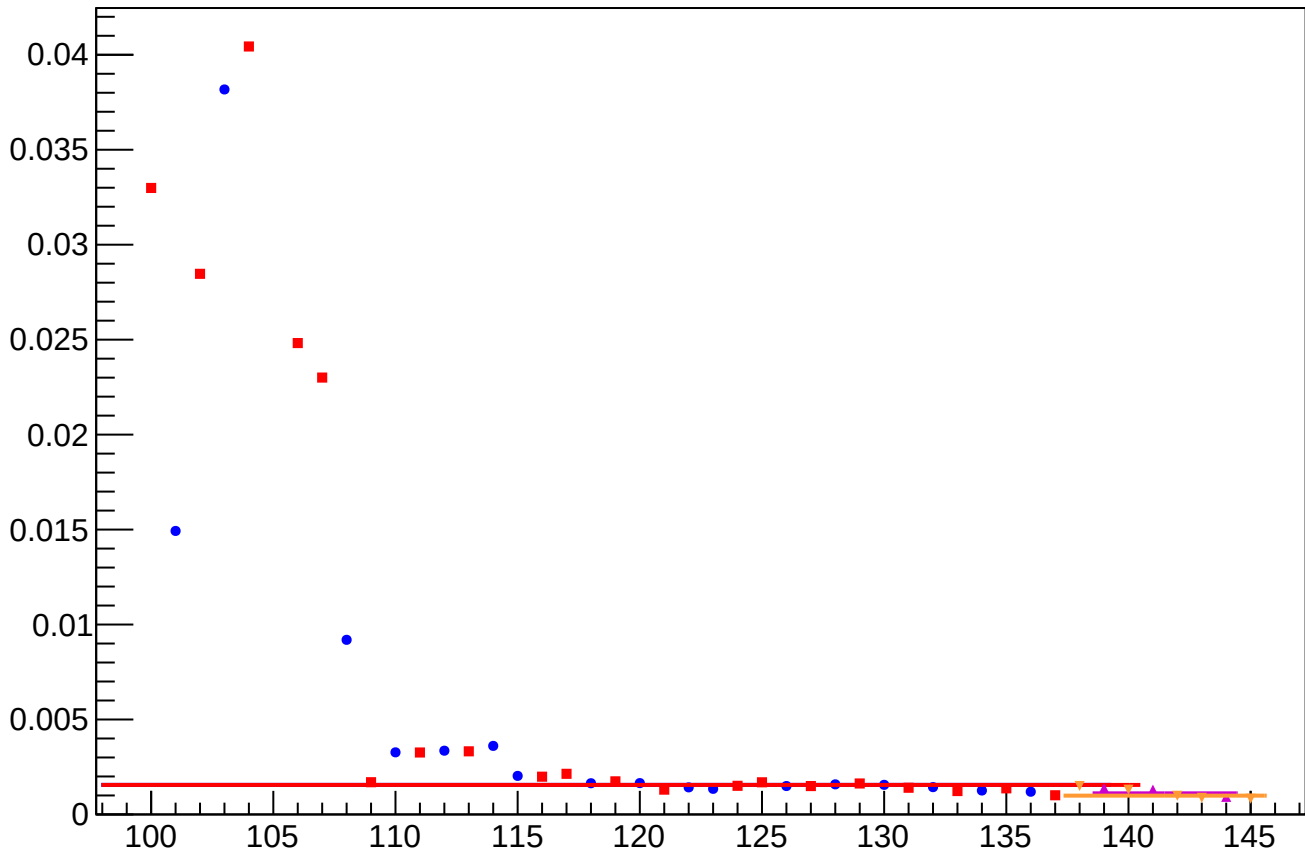
-0.122+/-0.000 χ^2/NDF : 3941787195.5/21

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

-0.119+/-0.000 χ^2/NDF : 2517775315.9/22

Left In: -0.124+/-0.000 χ^2/NDF : 278167.5/2

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF :301209.4/4

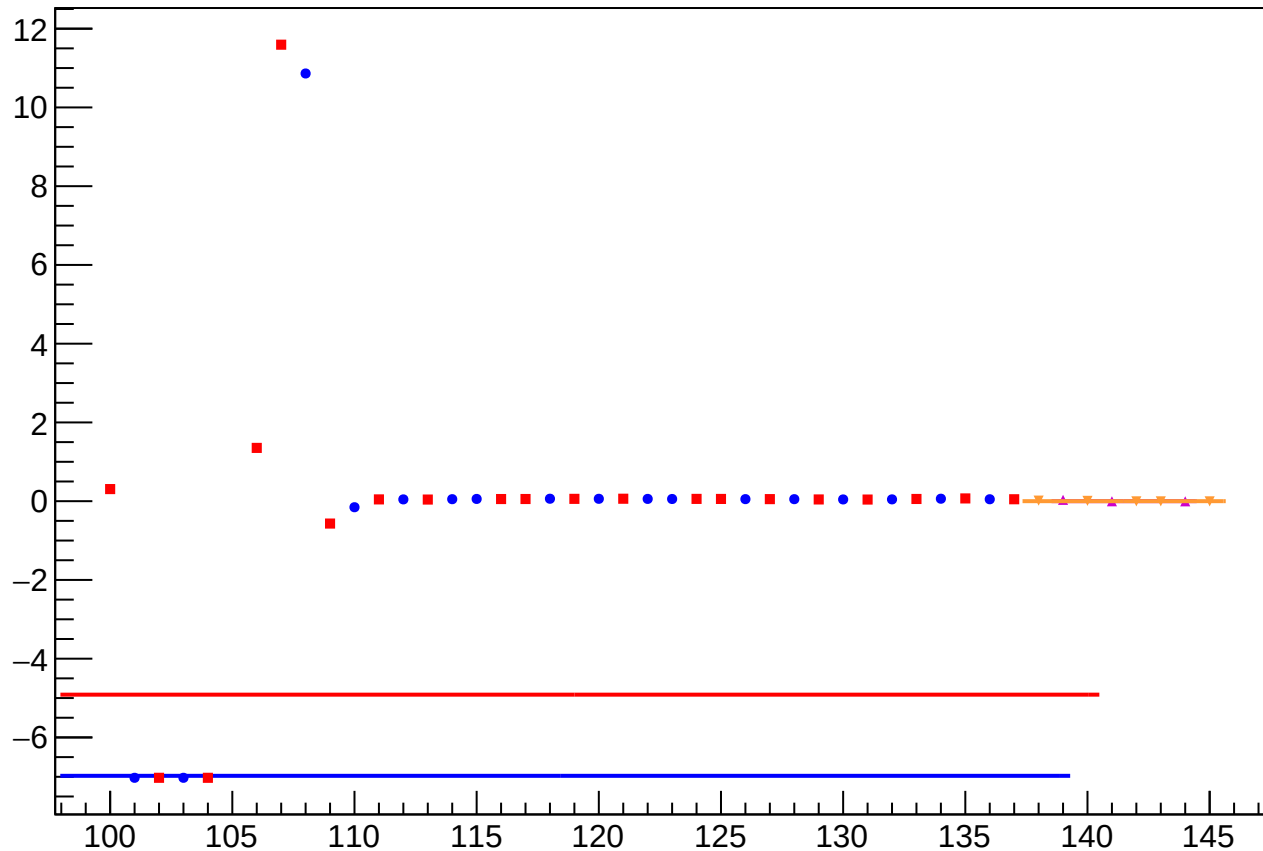
0.001+/-0.000 χ^2/NDF : 3940780.2/21

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

0.001+/-0.000 χ^2/NDF : 4046616.7/22

Left In: 0.001+/-0.000 χ^2/NDF :148489.0/2

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.000+/-0.000 χ^2/NDF :1770990.9/4

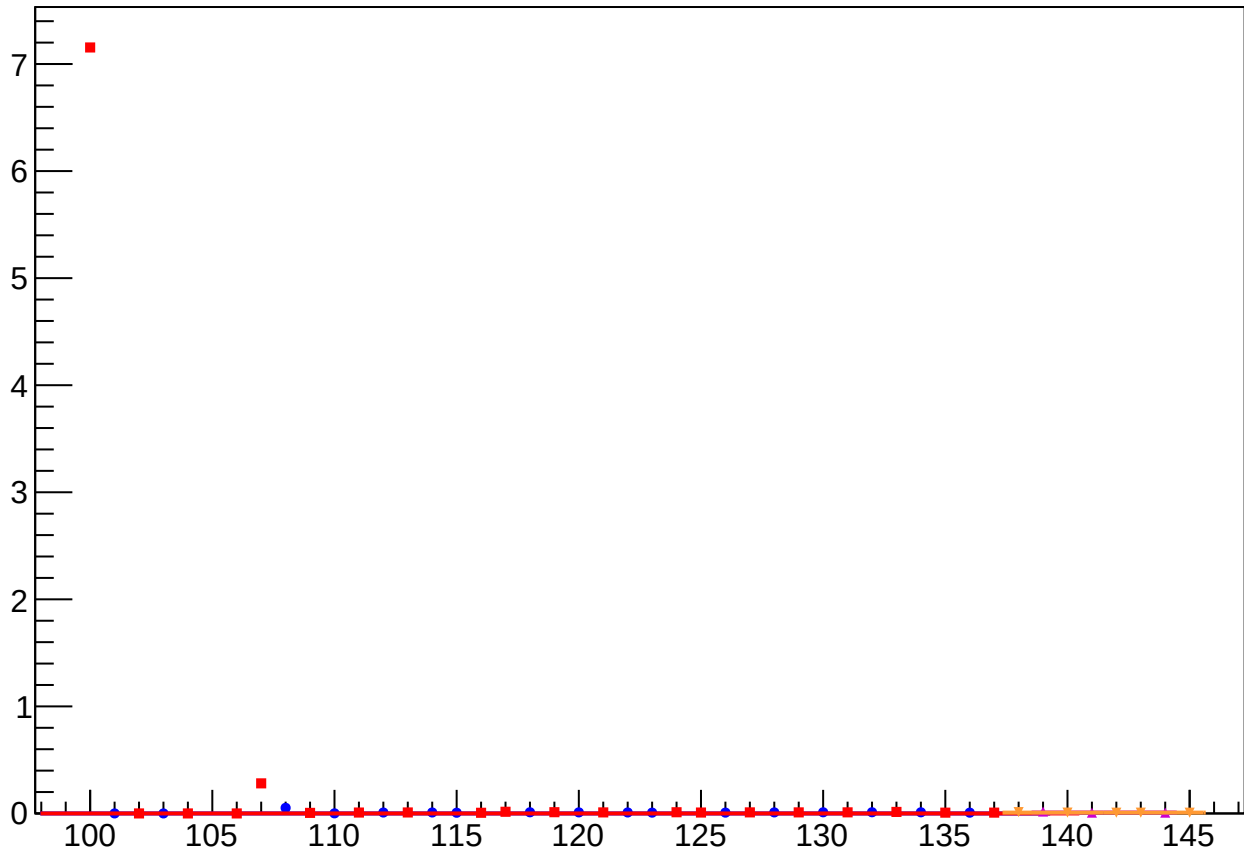
Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

Left In: 0.001+/-0.000 χ^2/NDF :2800993.8/2

-6.965+/-0.000 χ^2/NDF : 10523223913682.5/21

-4.910+/-0.000 χ^2/NDF : 365921405811745.9/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.008+/-0.000 χ^2/NDF :193543.6/4

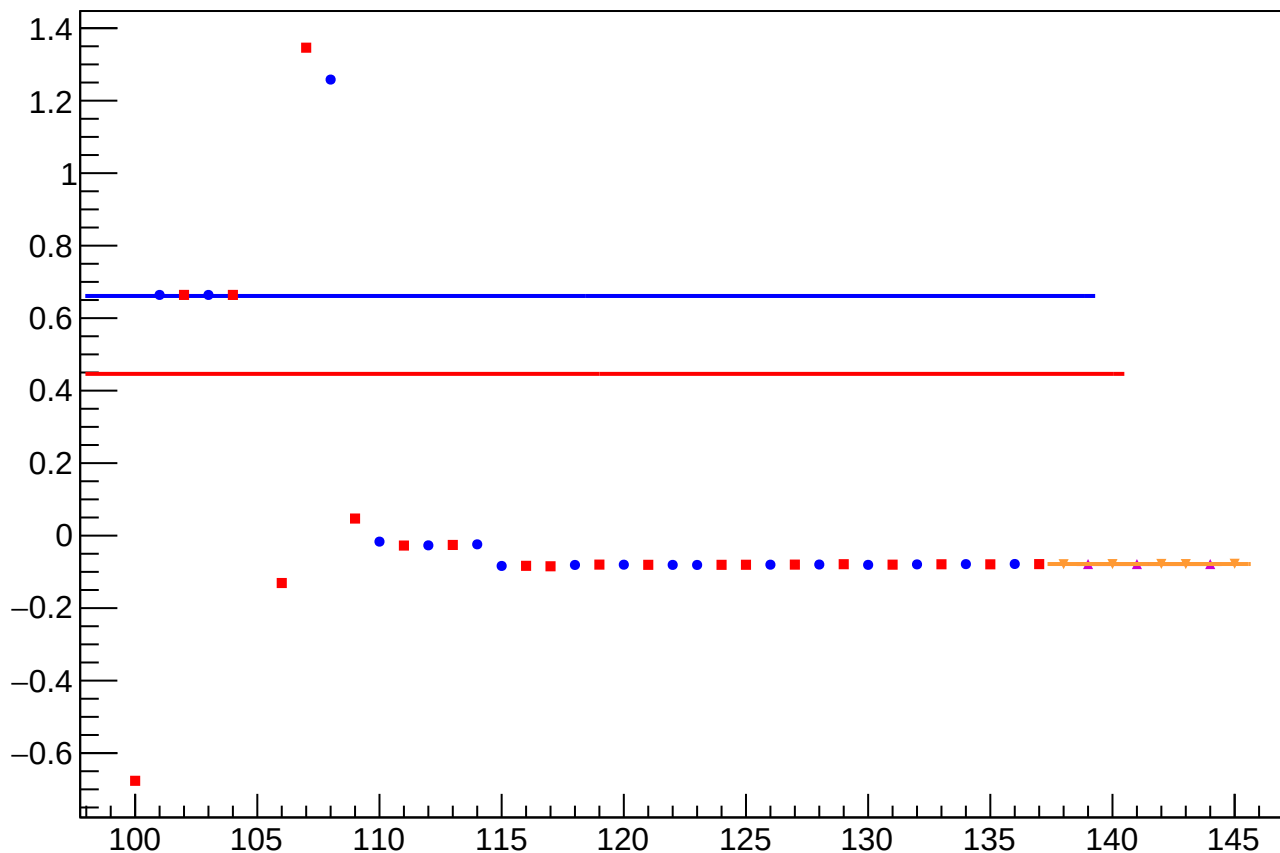
Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

Left In: 0.009+/-0.000 χ^2/NDF :427800.7/2

0.000+/-0.000 χ^2/NDF : 12859512.7/21

0.000+/-0.000 χ^2/NDF : 12564002.1/22

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5607525081216.0/16

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 2095030.1/4

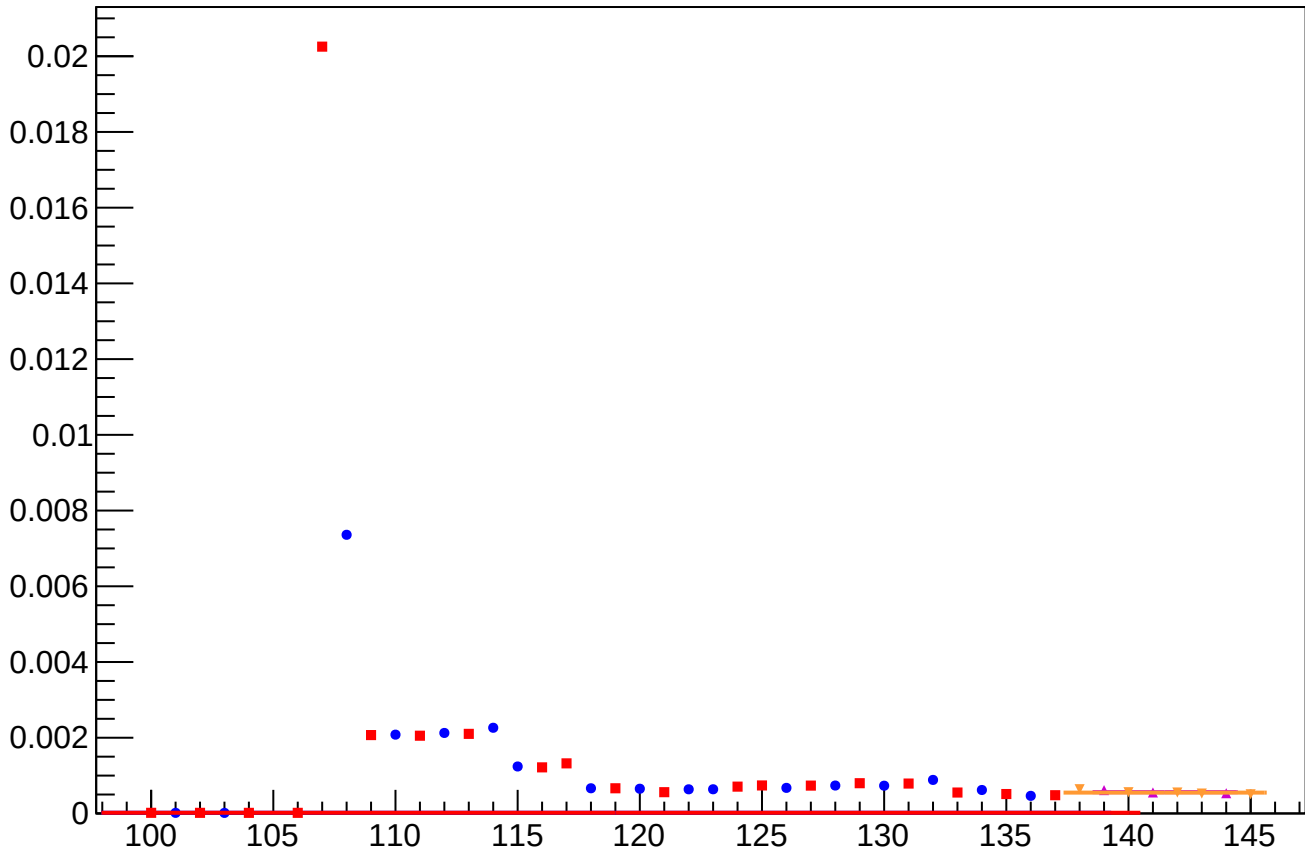
Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405423069582977.9/19

Left In: -0.078 $\pm$ 0.000 χ^2 /NDF: 6218.1/2

0.658 $\pm$ 0.000 χ^2 /NDF: 11295588592668.1/21

0.445 $\pm$ 0.000 χ^2 /NDF: 407431864664025.2/22

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF :41695.9/4

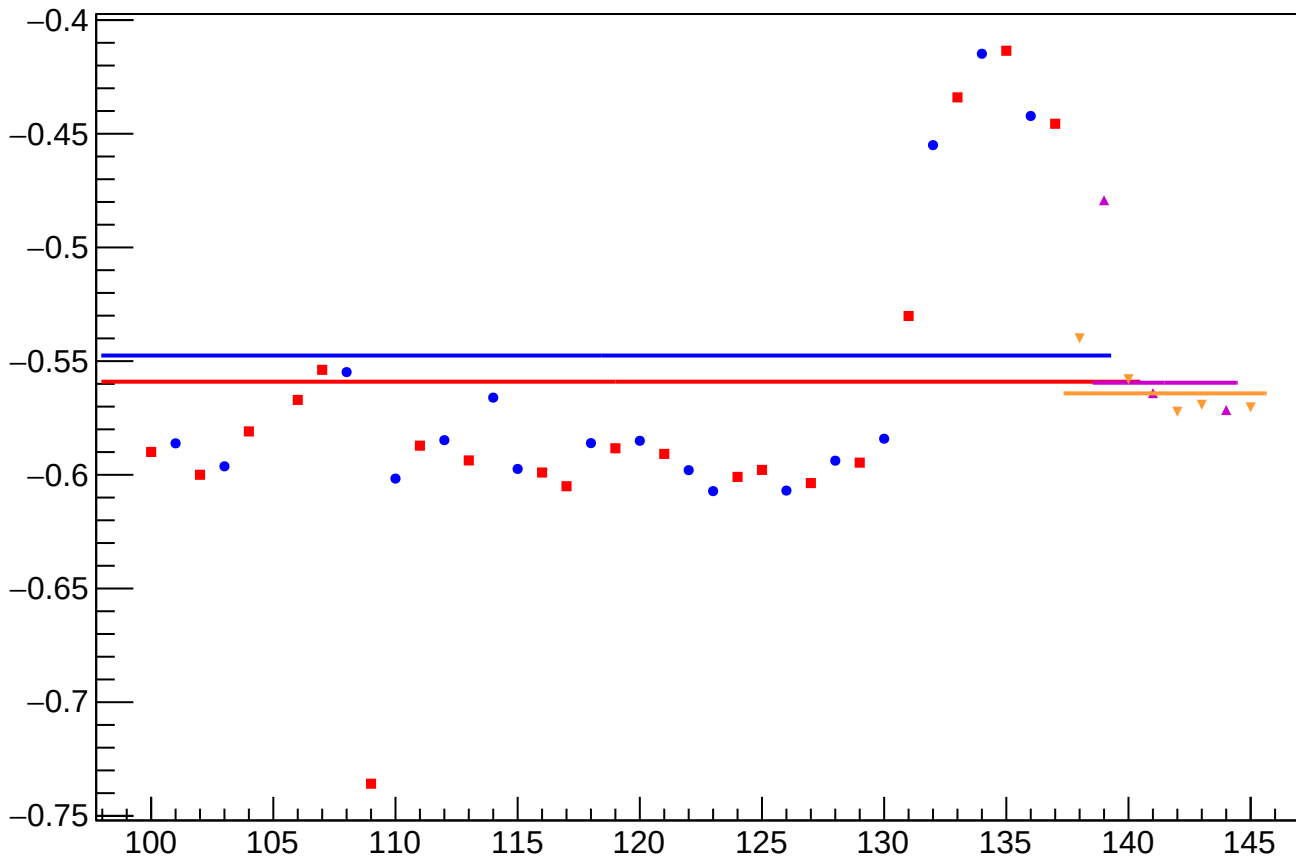
Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

Left In: 0.001+/-0.000 χ^2/NDF :15515.2/2

0.000+/-0.000 χ^2/NDF : 15808273.6/21

0.000+/-0.000 χ^2/NDF : 13896320.4/22

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.564+/-0.000 χ^2/NDF : 701651.1/4

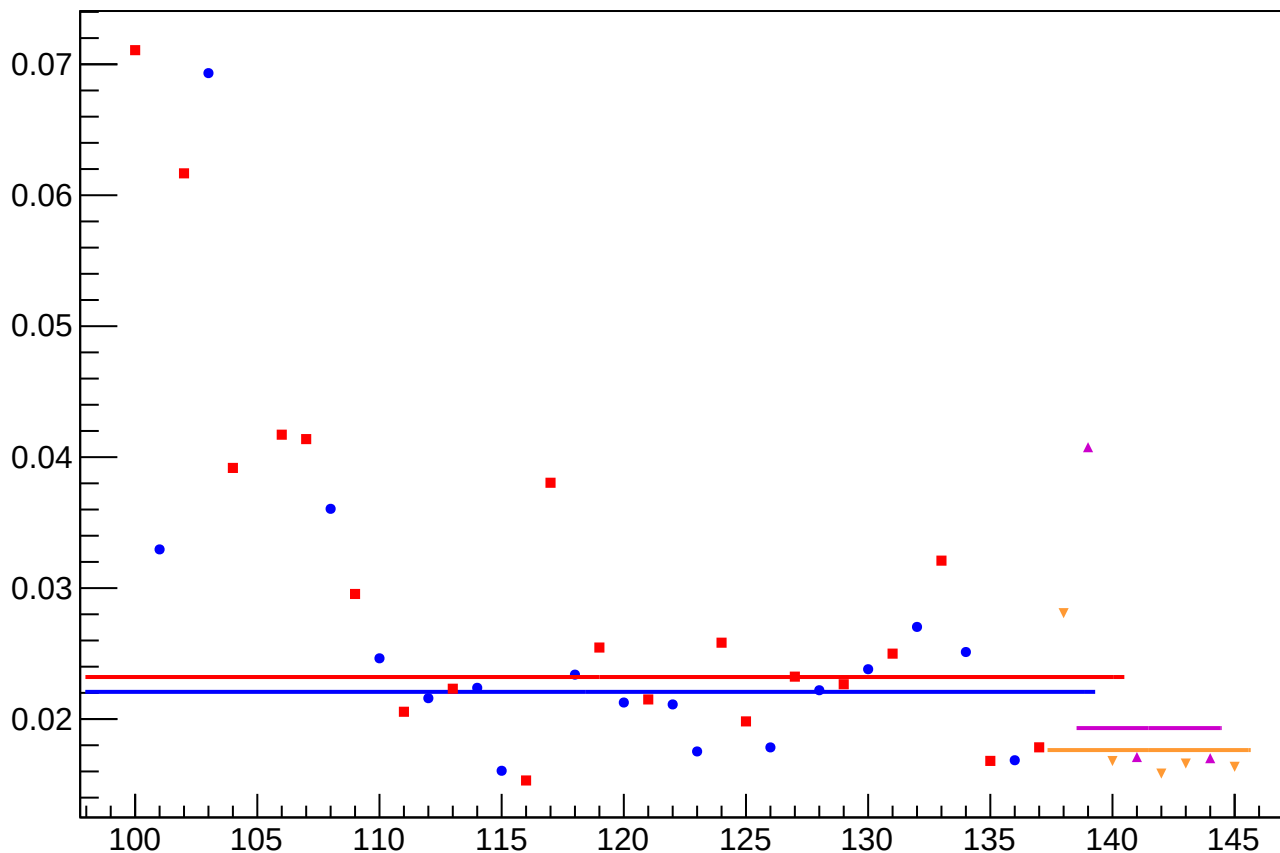
Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

Left In: -0.559+/-0.000 χ^2/NDF : 3147729.5/2

-0.554+/-0.000 χ^2/NDF : 50440086.1/21

-0.559+/-0.000 χ^2/NDF : 68538120.2/22

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 954779.5/16

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:183483.7/4

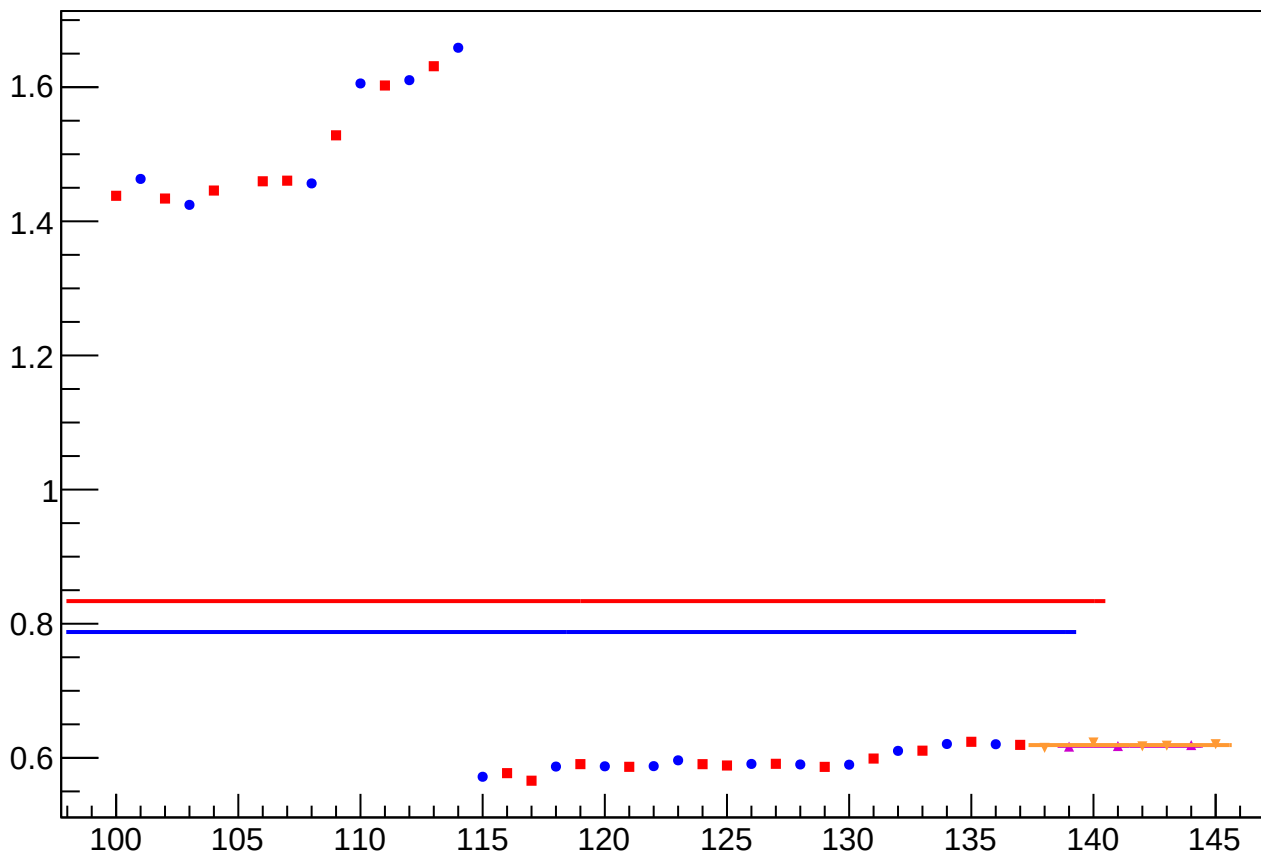
Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1169013.8/19

Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:441368.0/2

0.020 $\pm$ 0.000 χ^2 /NDF: 1308397.3/21

0.022 $\pm$ 0.000 χ^2 /NDF: 1705459.4/22

yield_bpm4aY_mean vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.619 $\pm$ 0.000 χ^2/NDF :193595.3/4

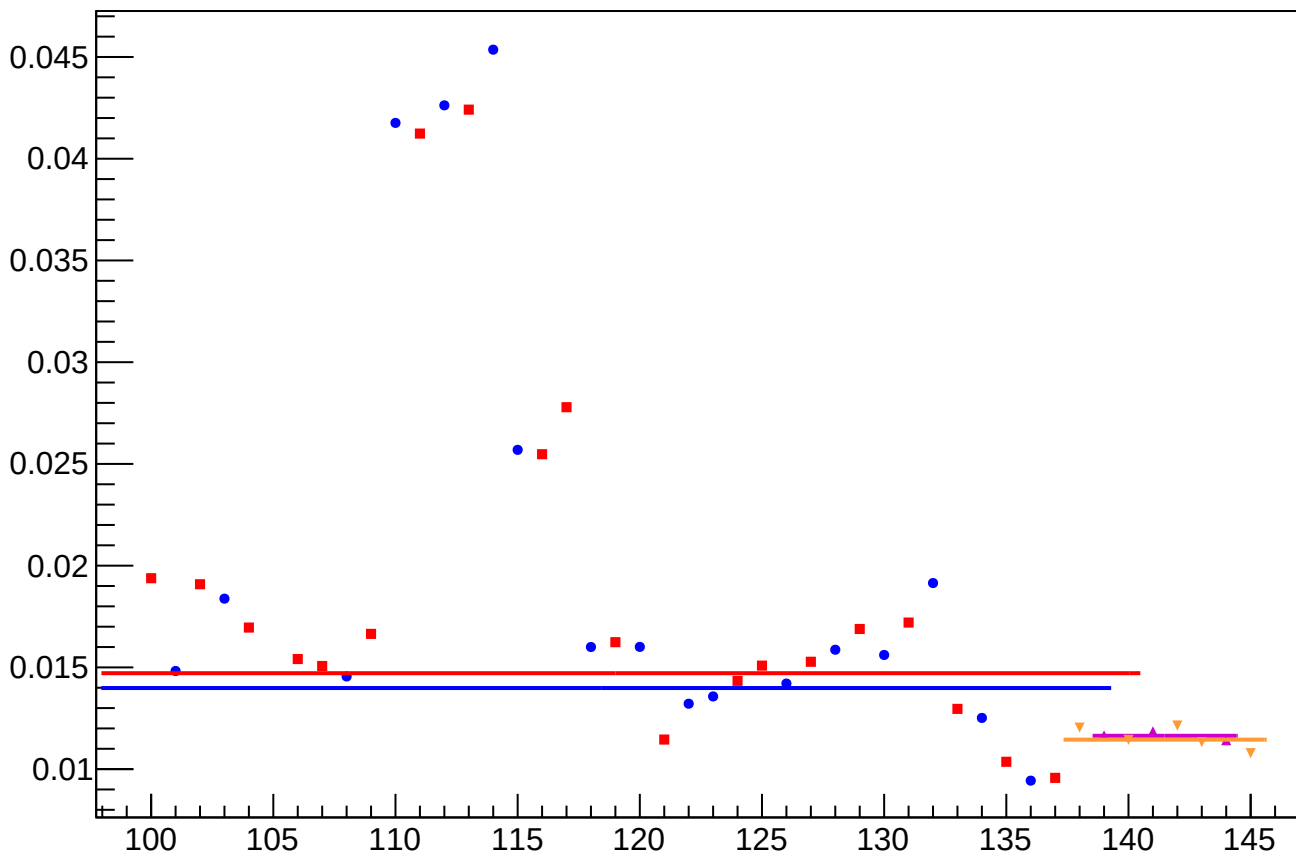
Right Out: 0.834 $\pm$ 0.000 χ^2/NDF : 4155673215.9/19

Left In: 0.618 $\pm$ 0.000 χ^2/NDF :15989.3/2

0.710 $\pm$ 0.000 χ^2/NDF : 3958562238.3/21

0.751 $\pm$ 0.000 χ^2/NDF : 4653766817.7/22

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:11840.0/4

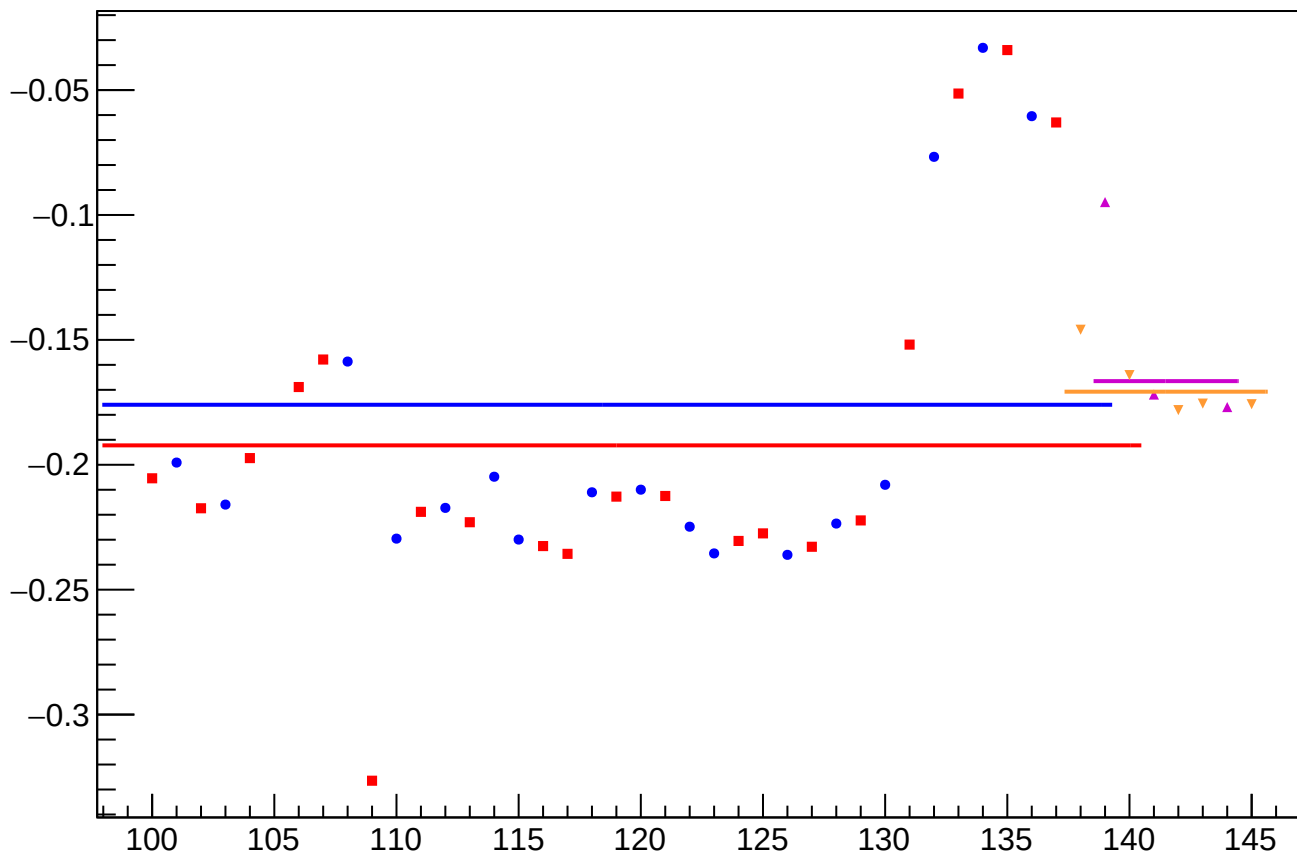
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1275472.3/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1156.6/2

0.013 $\pm$ 0.000 χ^2 /NDF: 1581162.3/21

0.014 $\pm$ 0.000 χ^2 /NDF: 1479165.0/22

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.171+/-0.000 χ^2/NDF : 744313.6/4

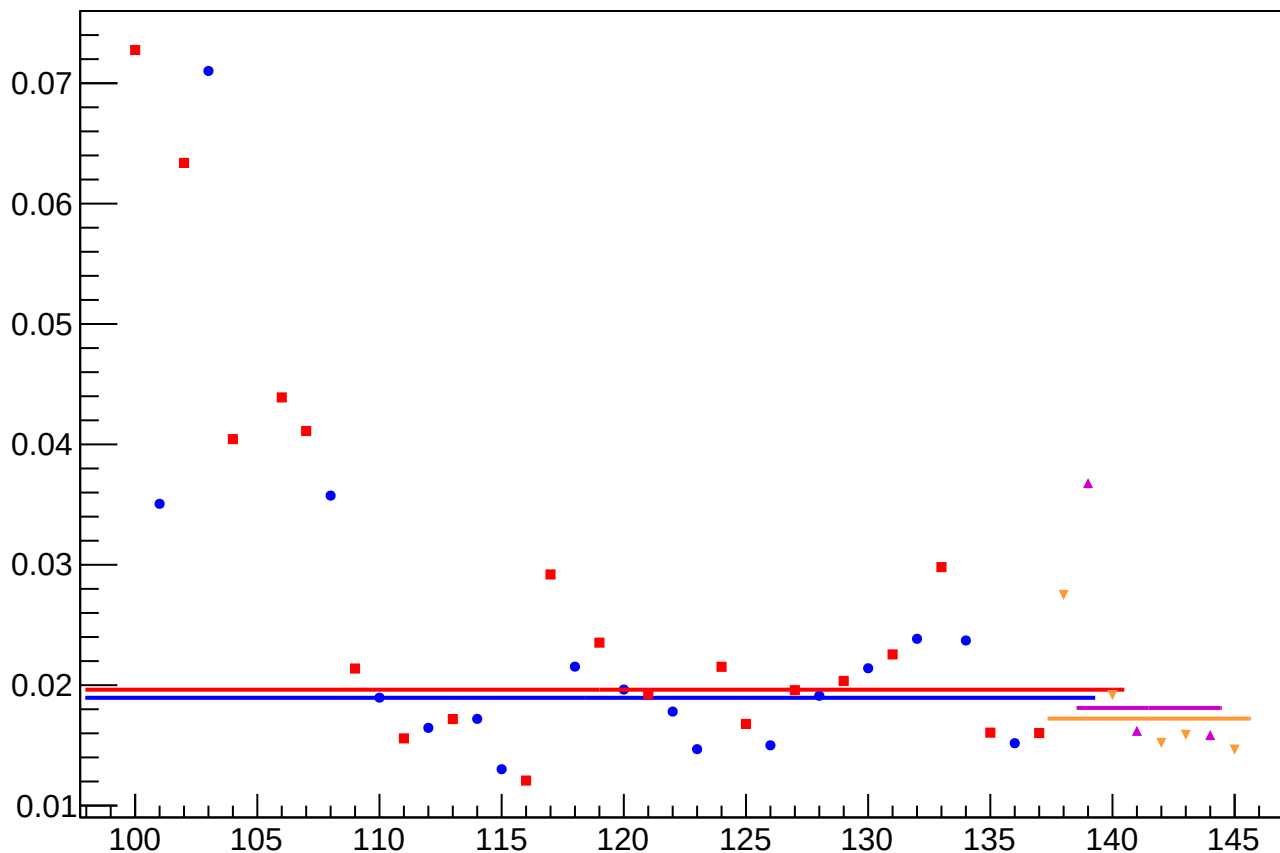
Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

Left In: -0.167+/-0.000 χ^2/NDF : 3068249.8/2

-0.174+/-0.000 χ^2/NDF : 71004090.8/21

-0.185+/-0.000 χ^2/NDF : 88927632.4/22

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.017+/-0.000 χ^2/NDF : 233911.6/4

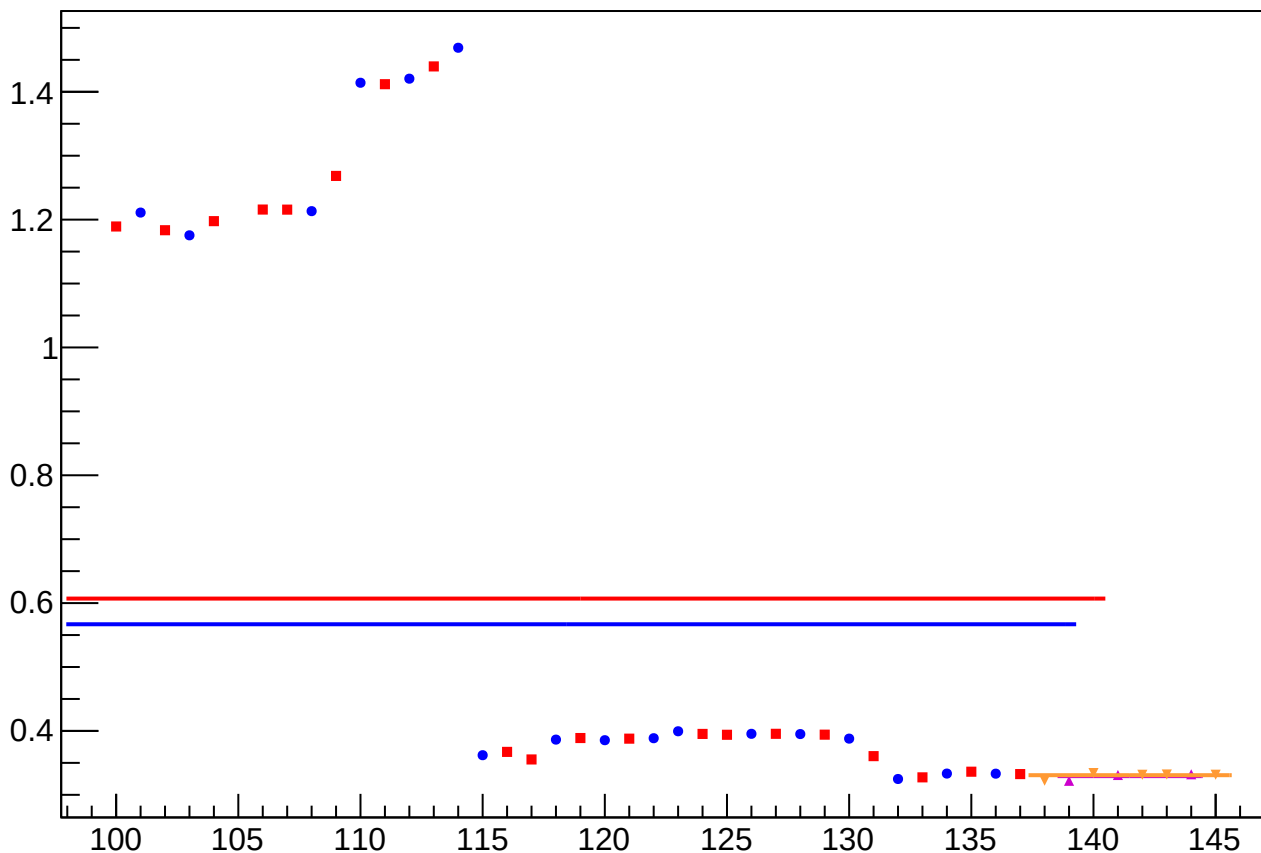
Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

Left In: 0.018+/-0.000 χ^2/NDF : 412791.9/2

0.018+/-0.000 χ^2/NDF : 1467314.6/21

0.019+/-0.000 χ^2/NDF : 1894218.2/22

yield_bpm4eY_mean vs Slug



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.331+/-0.000 χ^2/NDF : 363059.4/4

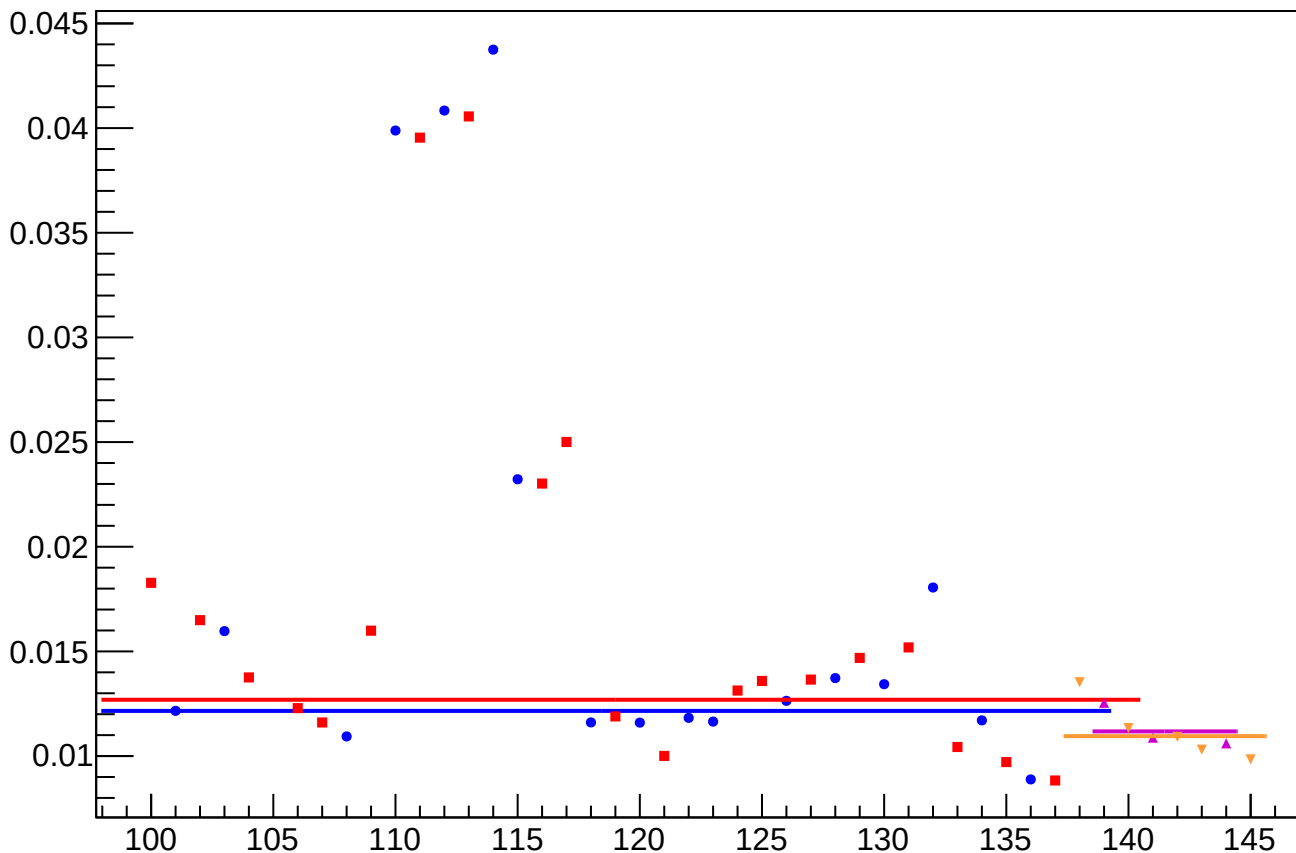
Right Out: 0.607+/-0.000 χ^2/NDF : 5509130775.3/19

Left In: 0.329+/-0.000 χ^2/NDF : 320973.8/2

0.470+/-0.000 χ^2/NDF : 5884463581.8/21

0.514+/-0.000 χ^2/NDF : 6457314243.1/22

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 76125.1/4

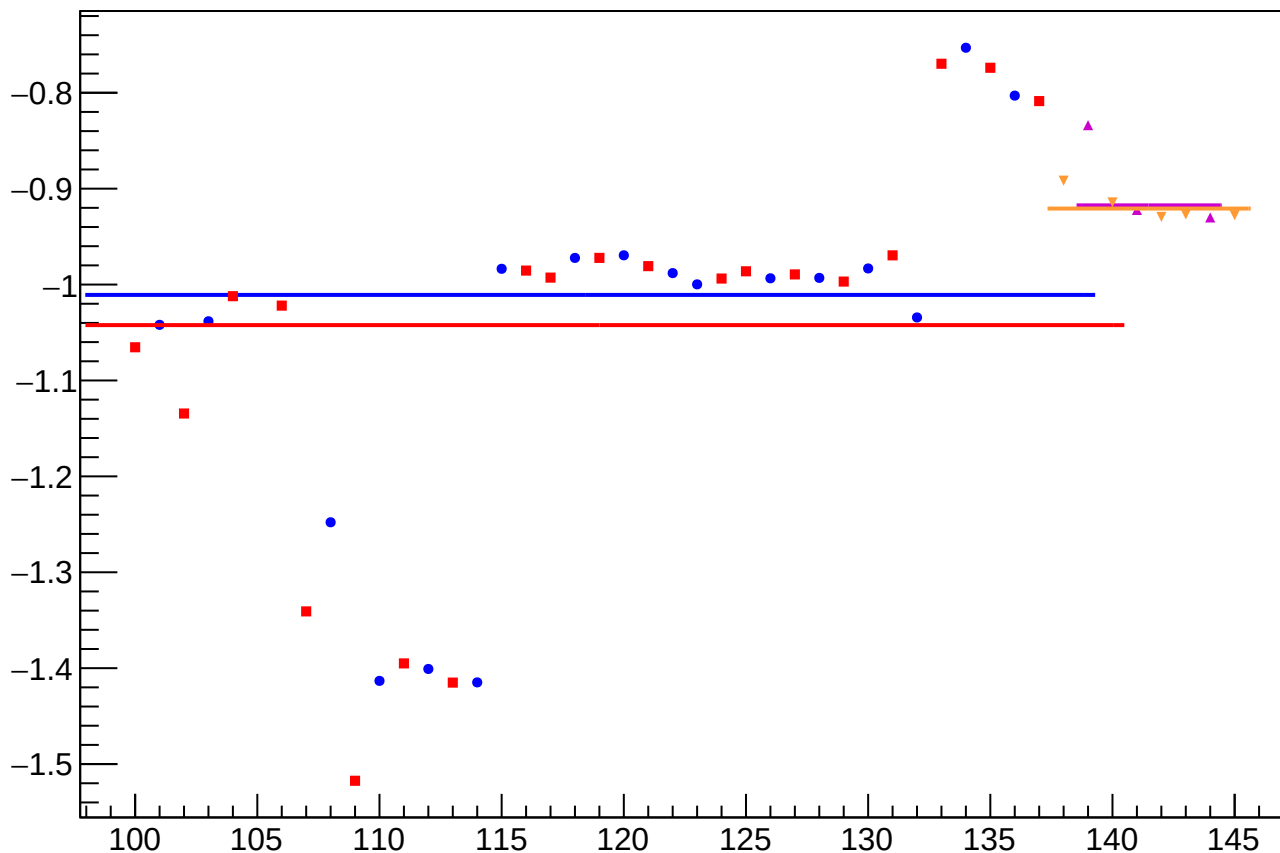
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1285911.2/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 22703.9/2

0.012 $\pm$ 0.000 χ^2 /NDF: 1429354.4/21

0.012 $\pm$ 0.000 χ^2 /NDF: 1364796.1/22

yield_bpm4acX_mean vs Slug



Right In: -1.011 ± 0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.921 ± 0.000 χ^2/NDF : 999331.5/4

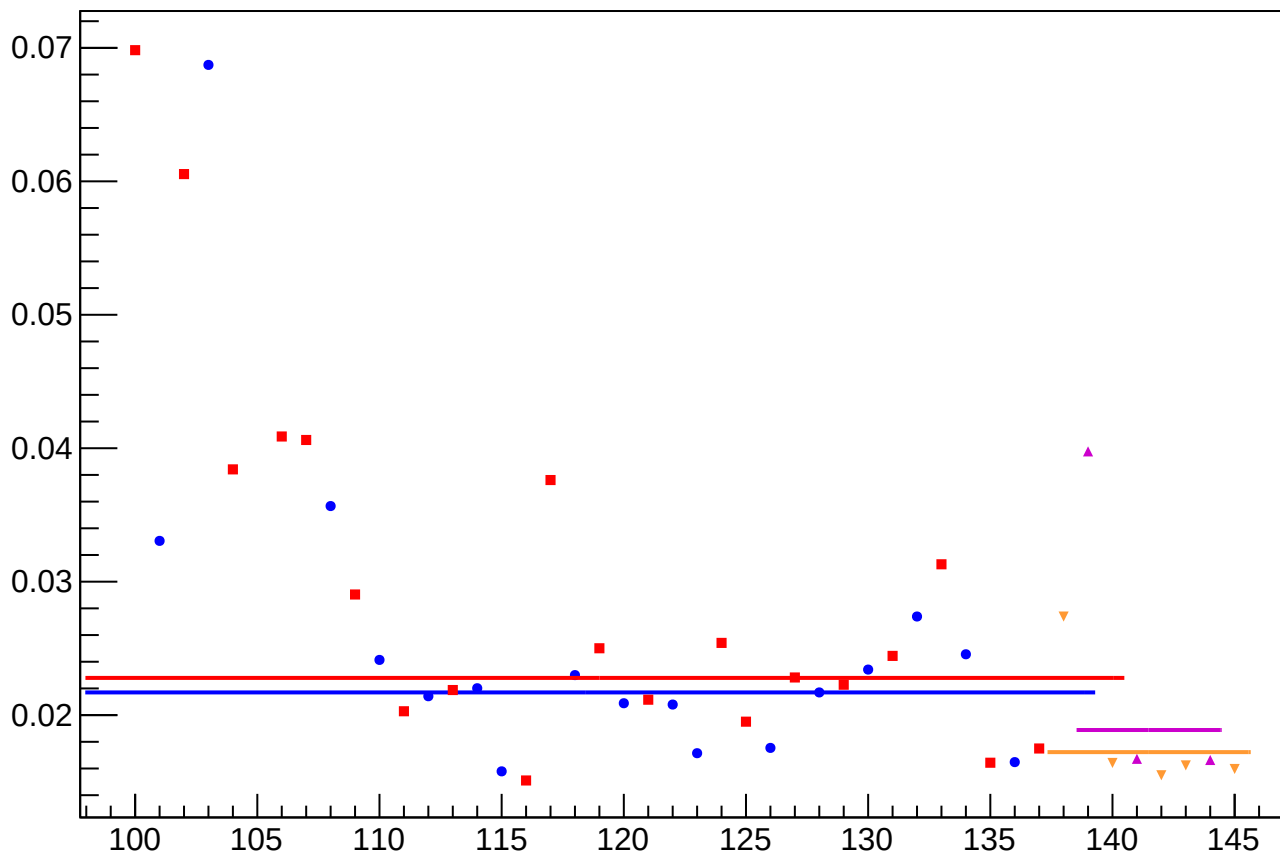
Right Out: -1.042 ± 0.000 χ^2/NDF : 529028760.6/19

Left In: -0.917 ± 0.000 χ^2/NDF : 3592287.6/2

-0.973 ± 0.000 χ^2/NDF : 424518907.3/21

-1.003 ± 0.000 χ^2/NDF : 583464033.8/22

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 979293.5/16

Left Out: 0.017 ± 0.000 χ^2/NDF : 182237.2/4

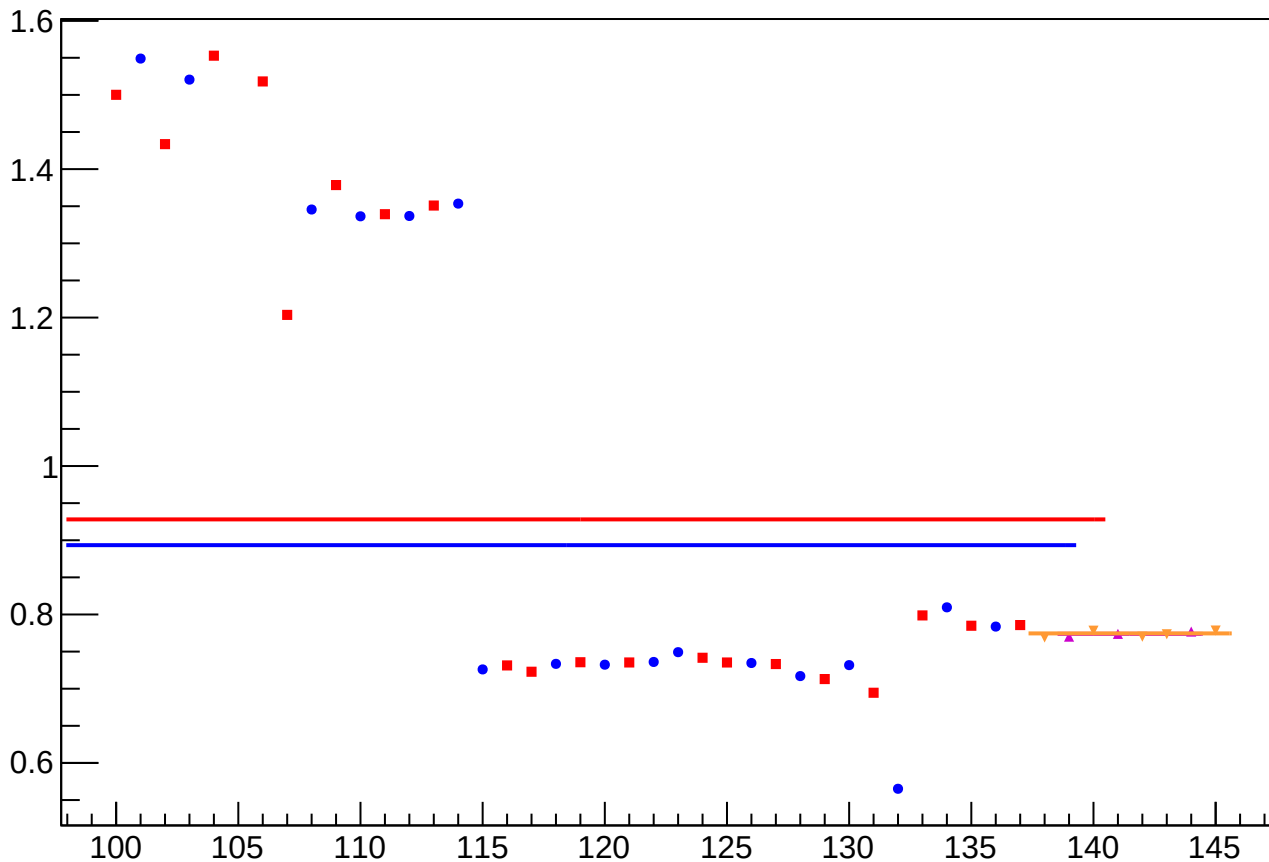
Right Out: 0.023 ± 0.000 χ^2/NDF : 1164870.4/19

Left In: 0.019 ± 0.000 χ^2/NDF : 439601.1/2

0.020 ± 0.000 χ^2/NDF : 1341101.5/21

0.022 ± 0.000 χ^2/NDF : 1703868.6/22

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.775+/-0.000 χ^2/NDF :383759.3/4

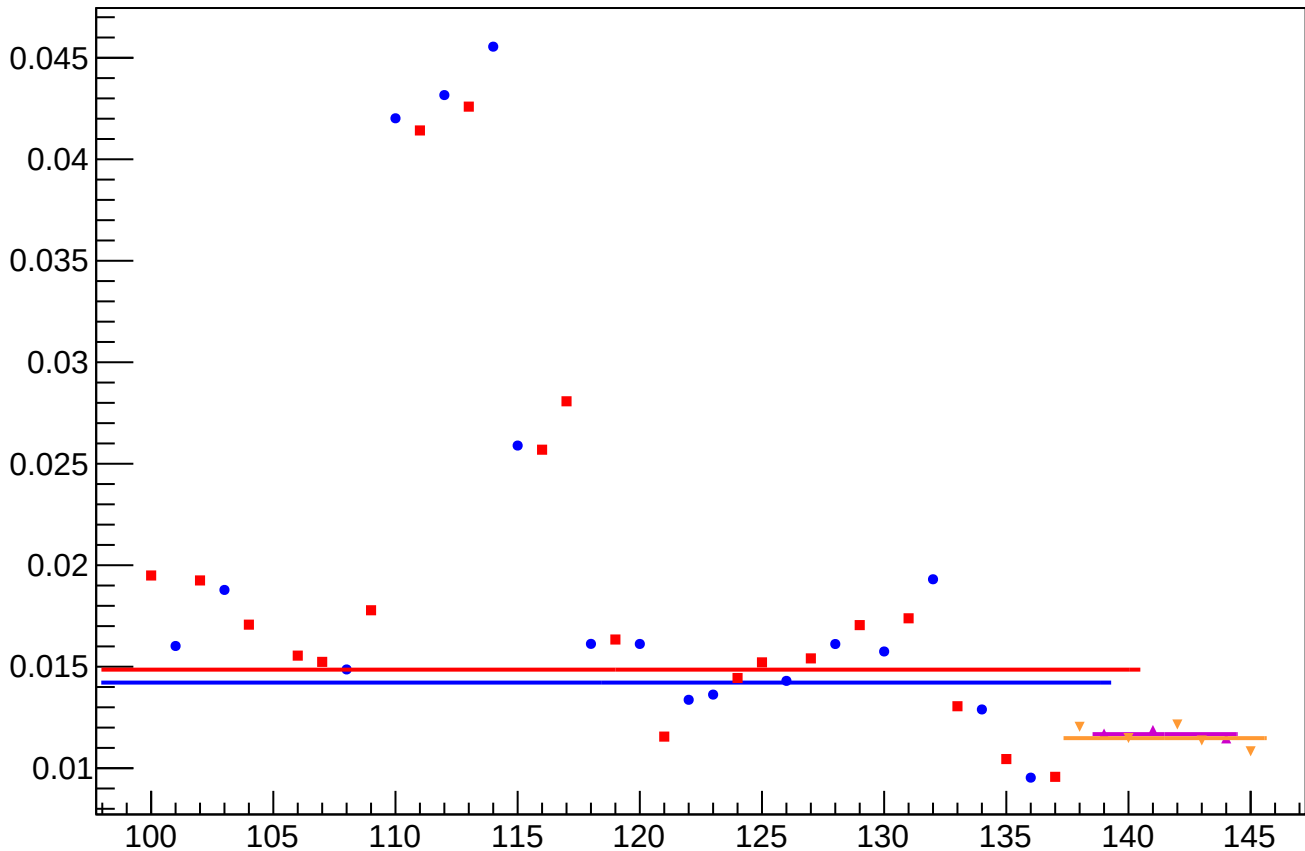
0.838+/-0.000 χ^2/NDF : 2592066866.3/21

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

0.868+/-0.000 χ^2/NDF : 2688915086.6/22

Left In: 0.774+/-0.000 χ^2/NDF :133522.1/2

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.011+/-0.000 χ^2/NDF :11005.5/4

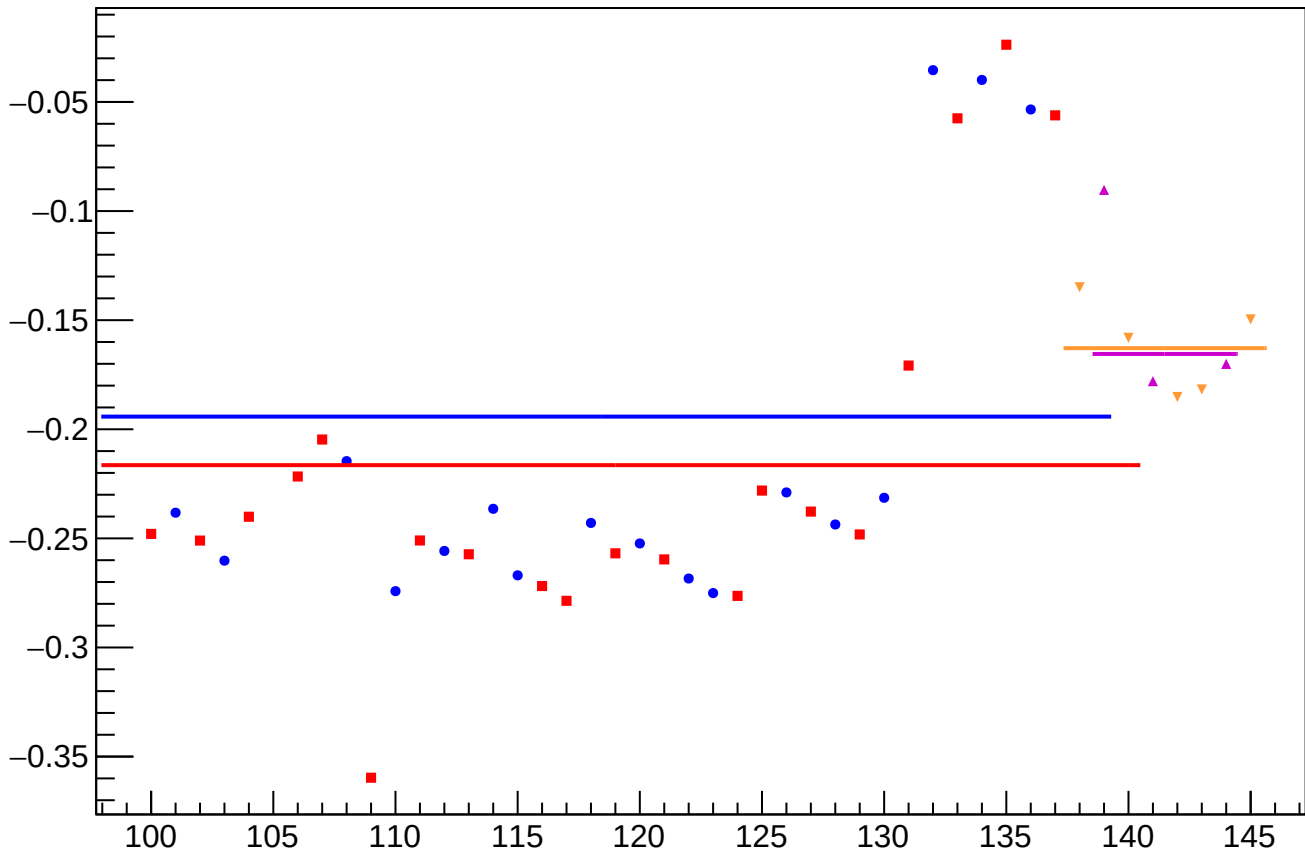
Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

Left In: 0.012+/-0.000 χ^2/NDF :1042.0/2

0.013+/-0.000 χ^2/NDF : 1615295.8/21

0.014+/-0.000 χ^2/NDF : 1500682.0/22

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.163+/-0.000 χ^2/NDF : 2445233.8/4

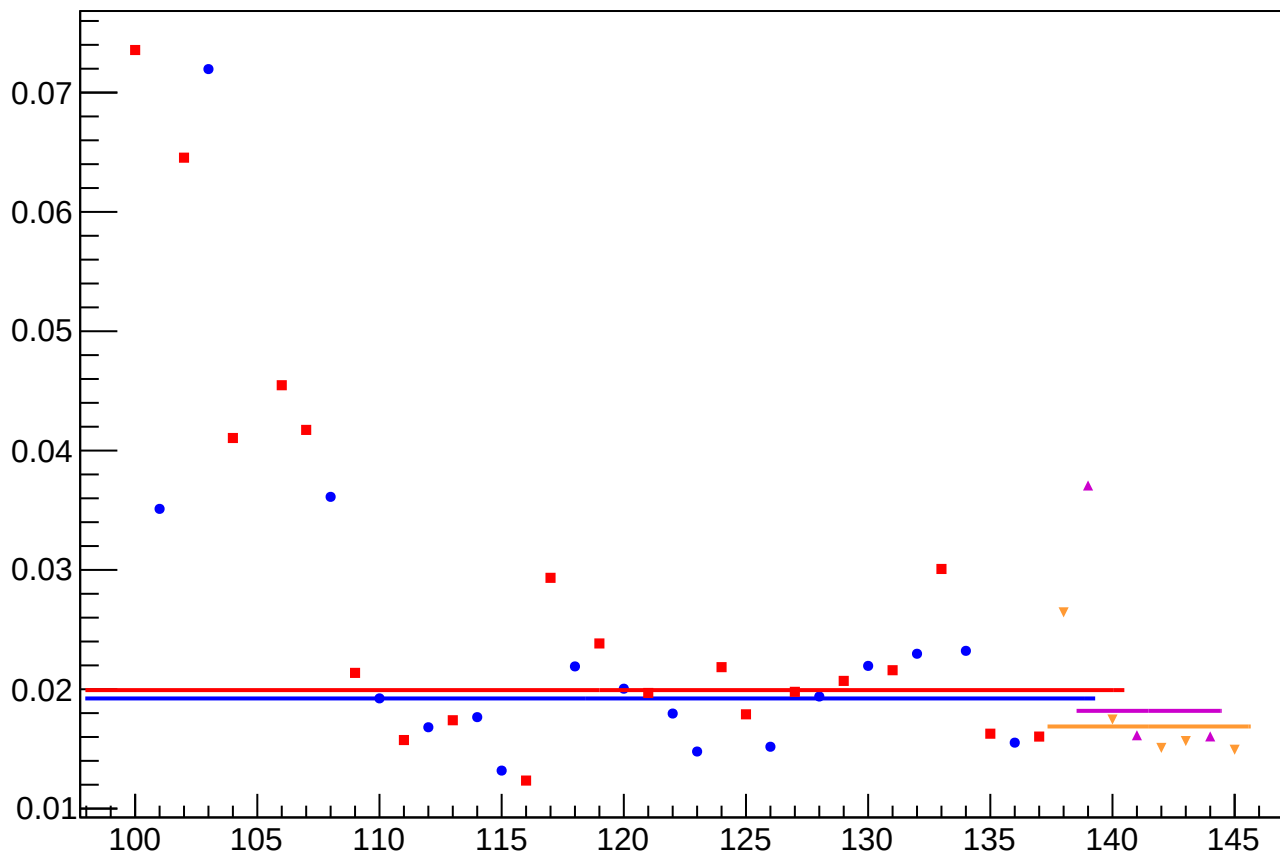
Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

Left In: -0.165+/-0.000 χ^2/NDF : 3358811.2/2

-0.182+/-0.000 χ^2/NDF : 115875083.4/21

-0.202+/-0.000 χ^2/NDF : 124294594.4/22

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.017+/-0.000 χ^2/NDF : 191103.2/4

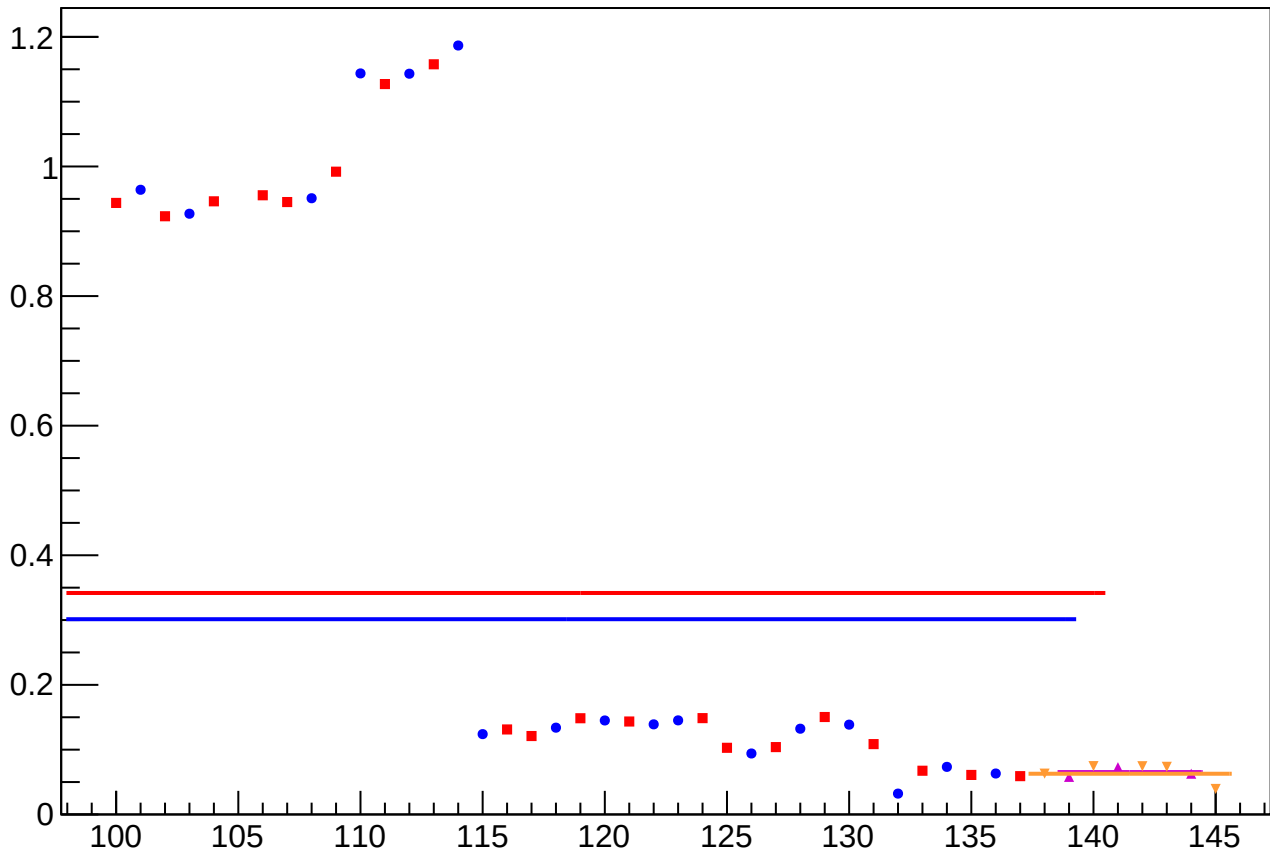
Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

Left In: 0.018+/-0.000 χ^2/NDF : 414422.3/2

0.018+/-0.000 χ^2/NDF : 1421829.1/21

0.019+/-0.000 χ^2/NDF : 1889758.3/22

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.063+/-0.000 χ^2/NDF : 6285742.4/4

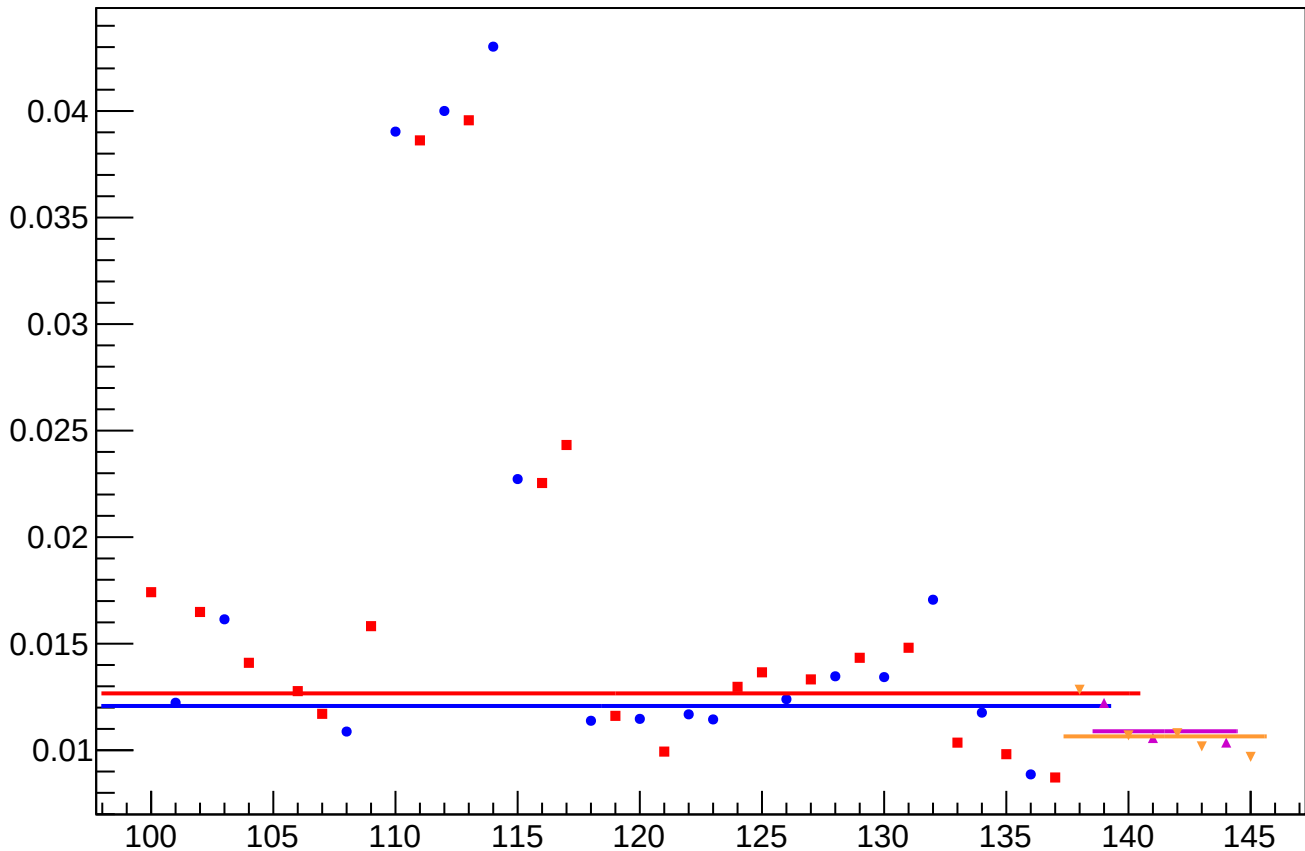
0.201+/-0.000 χ^2/NDF : 6080258588.4/21

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

0.246+/-0.000 χ^2/NDF : 6418998105.6/22

Left In: 0.065+/-0.000 χ^2/NDF : 711409.3/2

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.011+/-0.000 χ^2/NDF : 58063.9/4

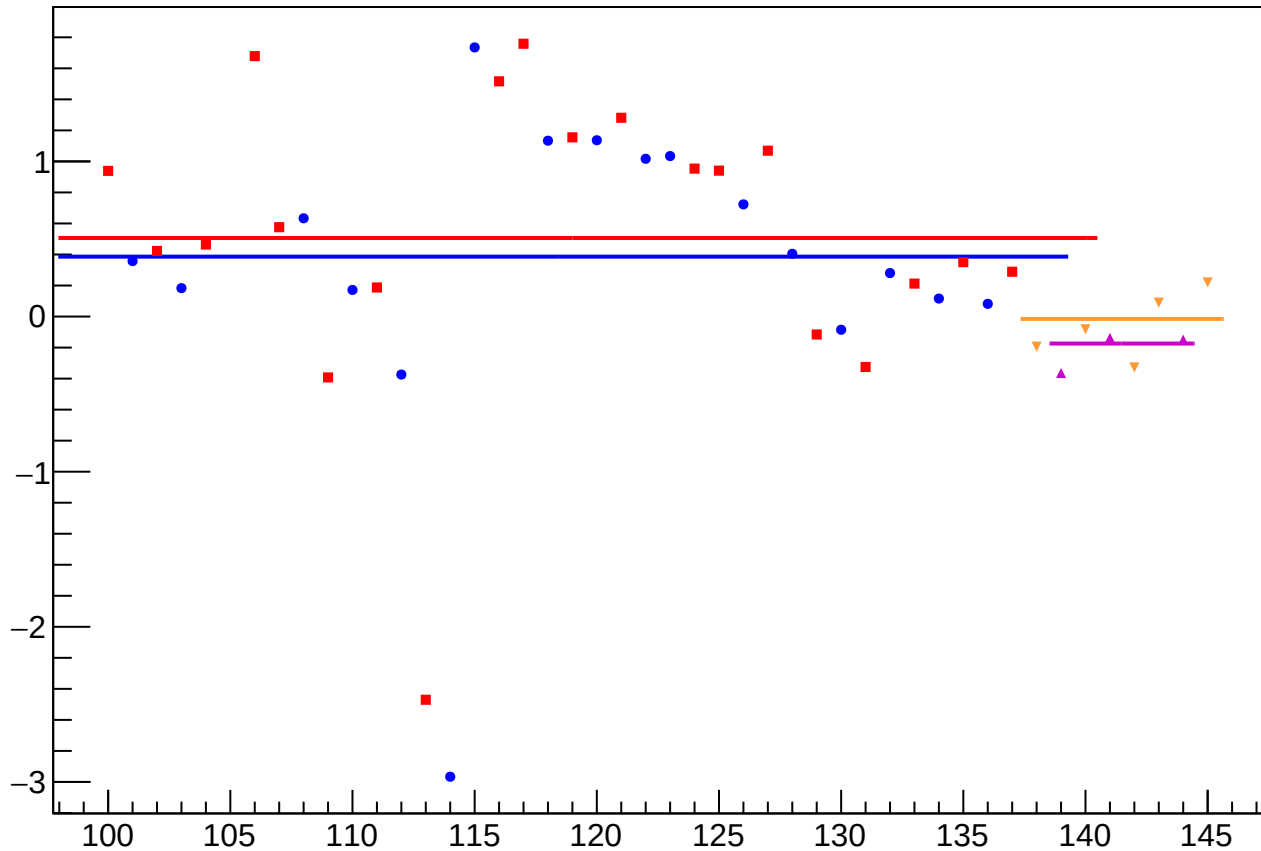
Right Out: 0.013+/-0.000 χ^2/NDF : 1253755.7/19

Left In: 0.011+/-0.000 χ^2/NDF : 22373.2/2

0.011+/-0.000 χ^2/NDF : 1404268.4/21

0.012+/-0.000 χ^2/NDF : 1356548.8/22

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: -0.015+/-0.000 χ^2/NDF :23028223.3/4

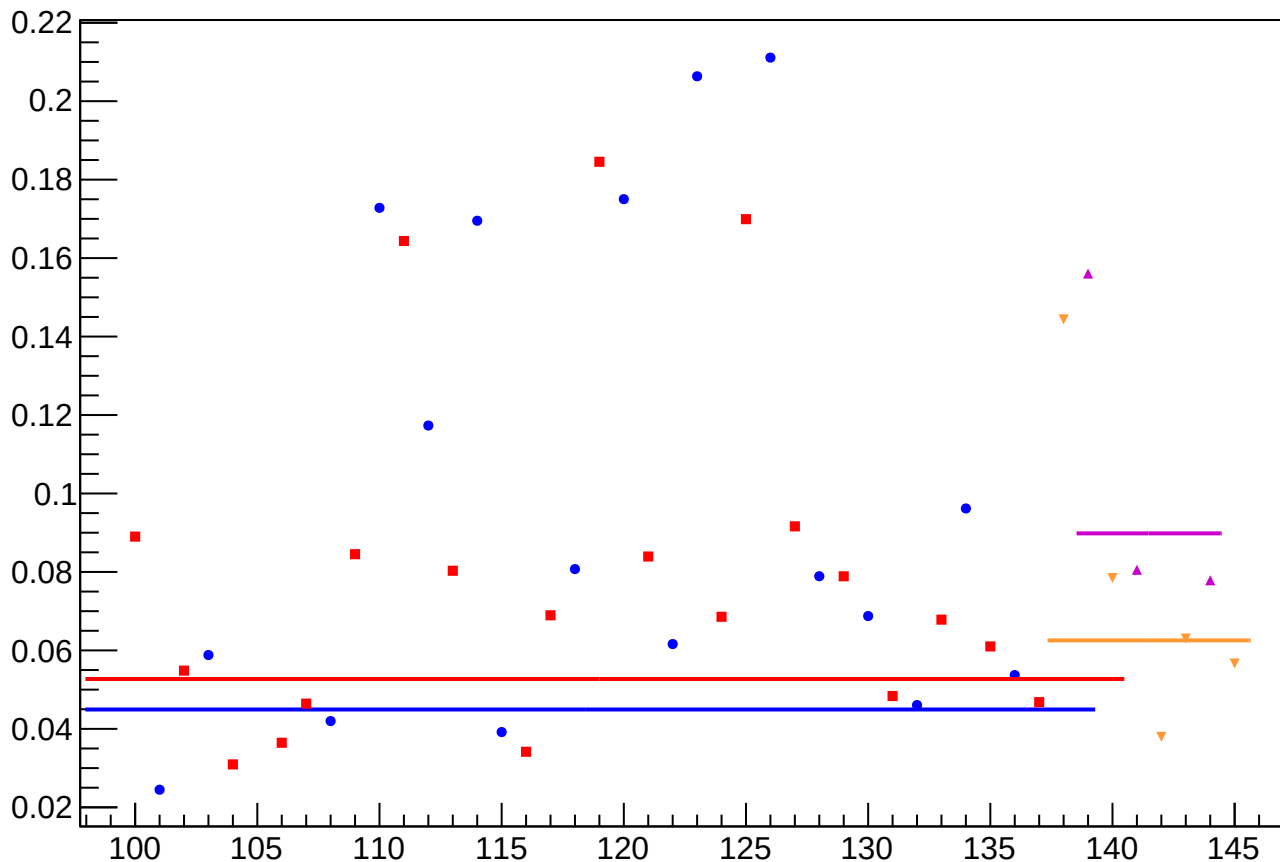
0.299+/-0.000 χ^2/NDF : 330291955.8/21

Right Out: 0.507+/-0.000 χ^2/NDF : 995373603.6/19

0.431+/-0.000 χ^2/NDF : 1073622743.9/22

Left In: -0.174+/-0.000 χ^2/NDF :1091748.7/2

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.063+/-0.000 χ^2/NDF : 609262.8/4

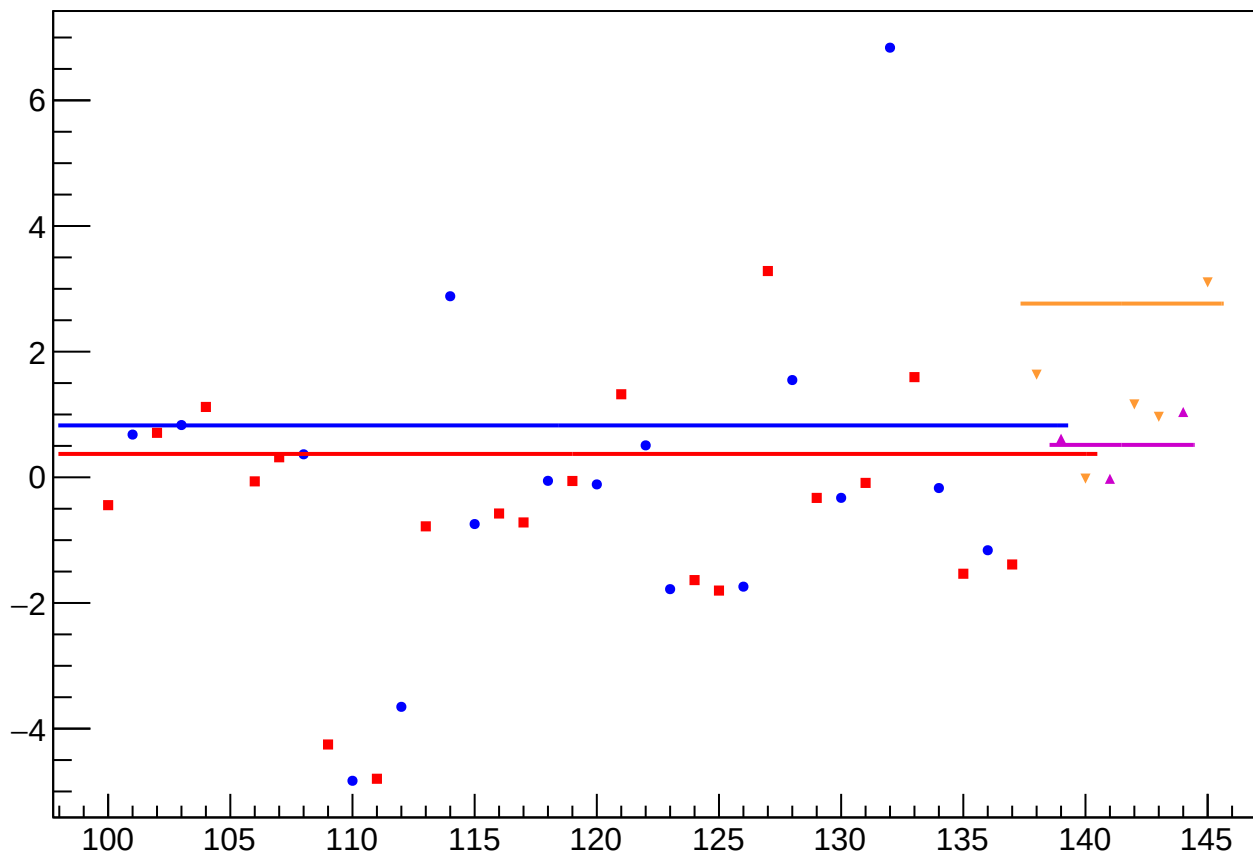
Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

Left In: 0.090+/-0.000 χ^2/NDF : 264607.0/2

0.049+/-0.000 χ^2/NDF : 3632047.1/21

0.057+/-0.000 χ^2/NDF : 2919424.4/22

yield_bpm1Y_mean vs Slug



Right In: 0.826 ± 0.000 $\chi^2/\text{NDF}: 10945455664.9/16$

Left Out: 2.765 ± 0.000 $\chi^2/\text{NDF}: 2302926446.6/4$

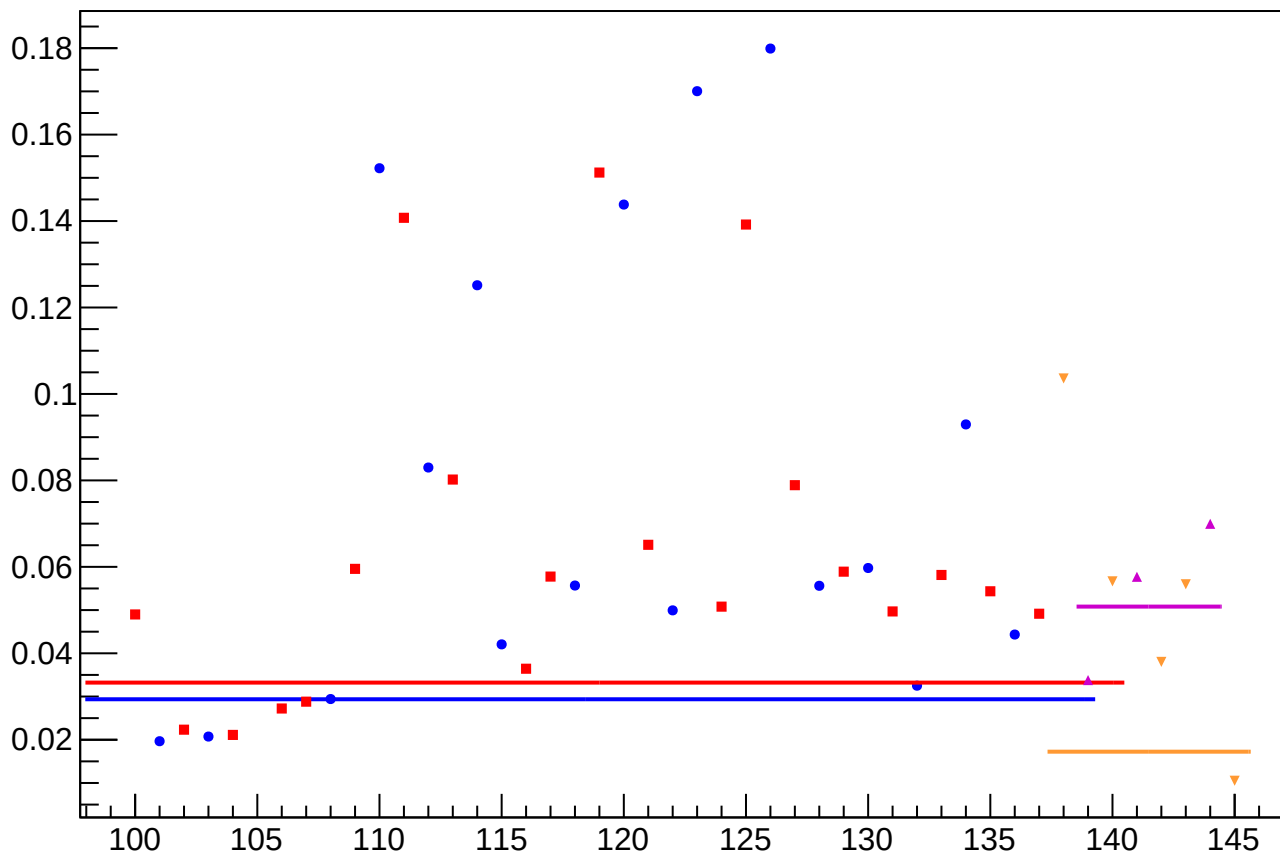
Right Out: 0.372 ± 0.000 $\chi^2/\text{NDF}: 4960201861.0/19$

Left In: 0.516 ± 0.000 $\chi^2/\text{NDF}: 73741013.1/2$

1.697 ± 0.000 $\chi^2/\text{NDF}: 19891220929.4/21$

0.388 ± 0.000 $\chi^2/\text{NDF}: 5041974601.9/22$

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2048071.8/4

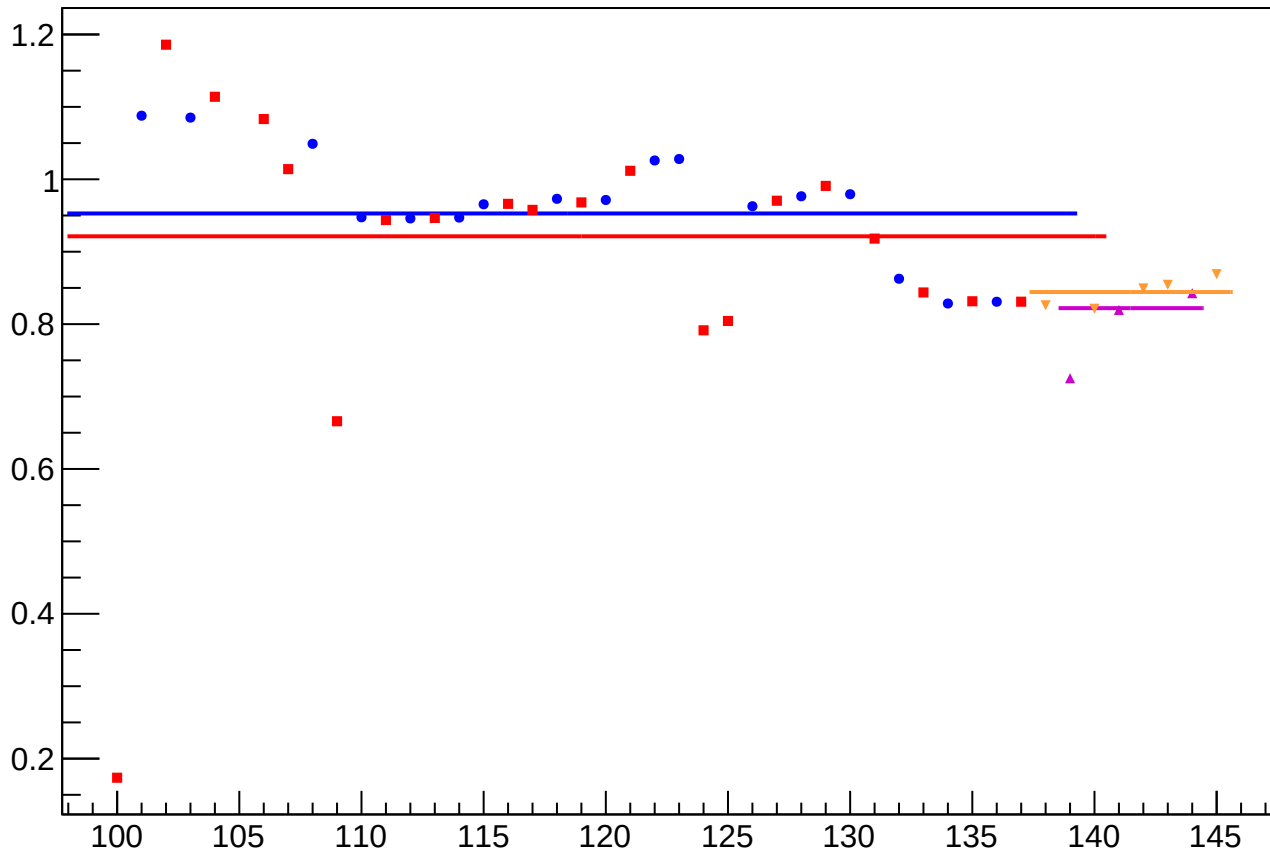
Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

Left In: 0.051+/-0.000 χ^2/NDF : 201634.7/2

0.024+/-0.000 χ^2/NDF : 5554915.6/21

0.035+/-0.000 χ^2/NDF : 3554314.3/22

yield_bpm11X_mean vs Slug



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.844+/-0.000 χ^2/NDF : 6224165.0/4

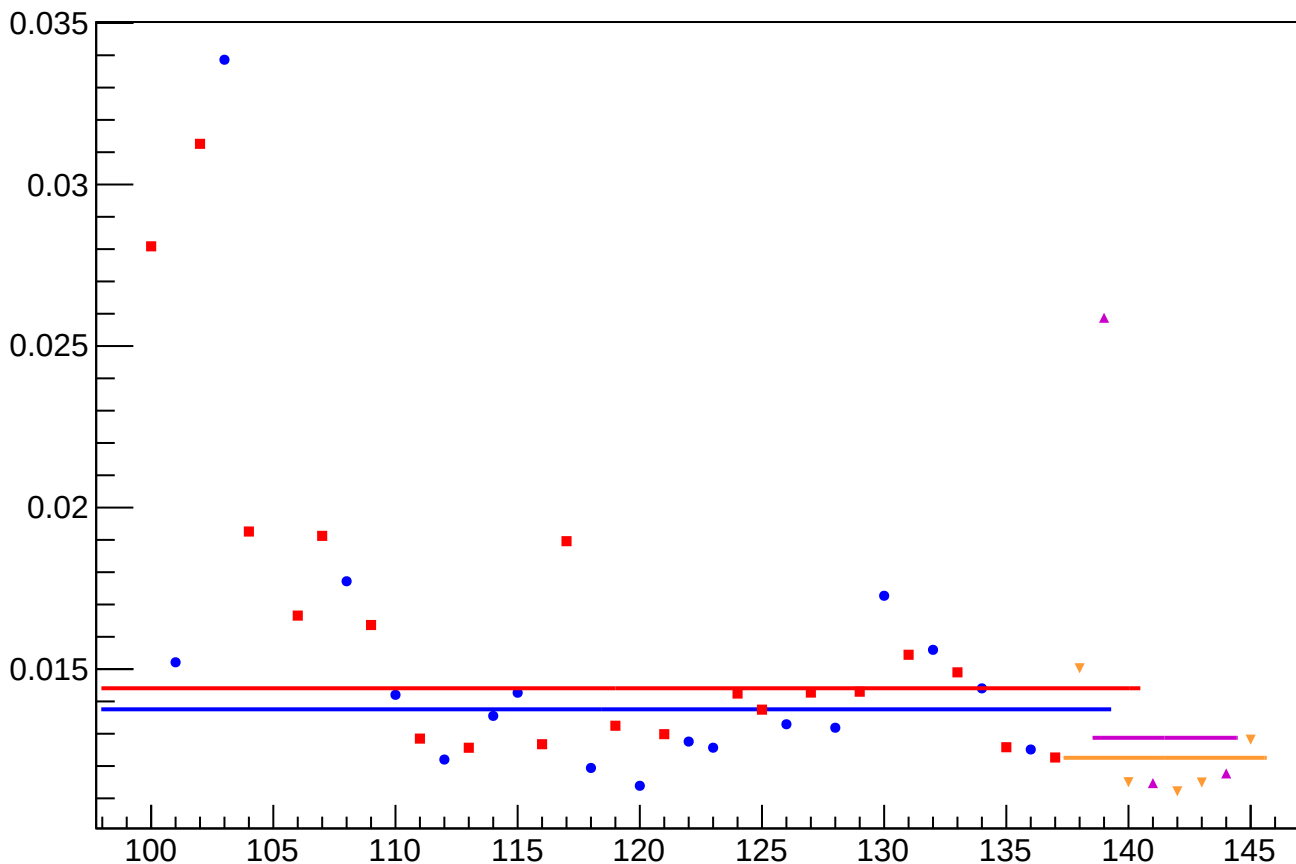
0.912+/-0.000 χ^2/NDF : 315259189.8/21

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

0.893+/-0.000 χ^2/NDF : 469974199.8/22

Left In: 0.822+/-0.000 χ^2/NDF : 12172907.7/2

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538469.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:58472.3/4

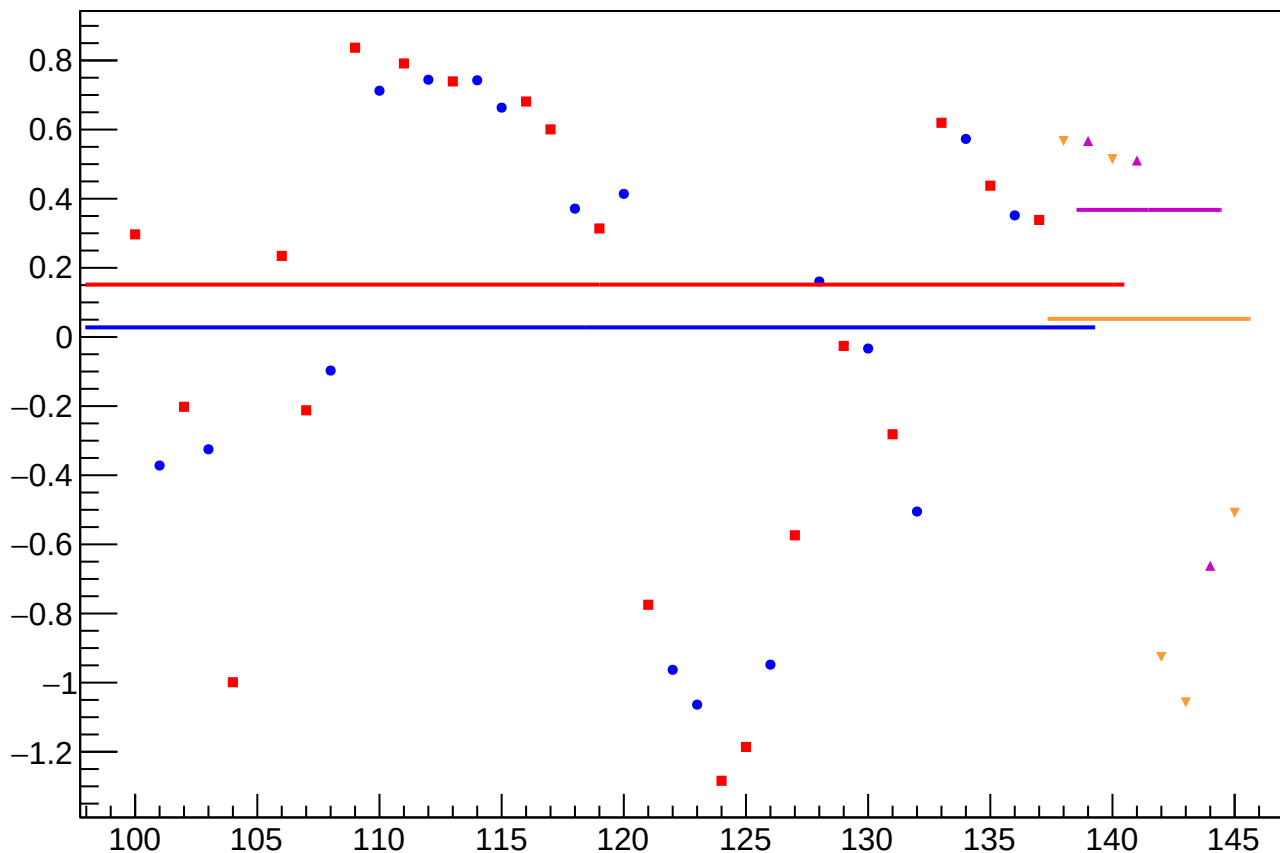
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 508622.9/19

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:387711.6/2

0.013 $\pm$ 0.000 χ^2 /NDF: 647914.9/21

0.014 $\pm$ 0.000 χ^2 /NDF: 936236.3/22

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.052+/-0.000 χ^2/NDF :14571507689.4/4

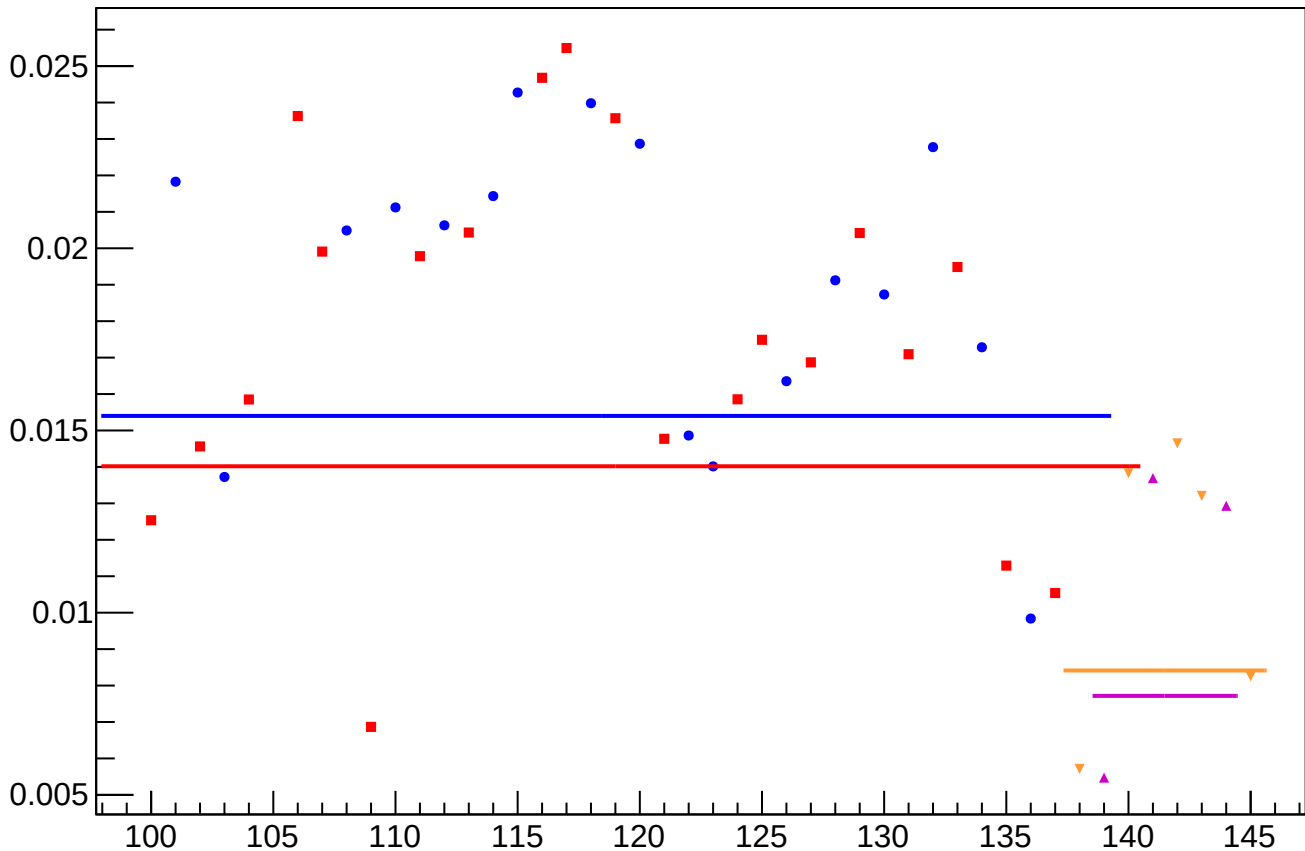
Right Out: 0.152+/-0.000 χ^2/NDF : 12665480117.0/19

Left In: 0.368+/-0.000 χ^2/NDF :6222978151.5/2

0.043+/-0.000 χ^2/NDF : 20857193725.3/21

0.265+/-0.000 χ^2/NDF : 19590757191.9/22

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 795261.2/4

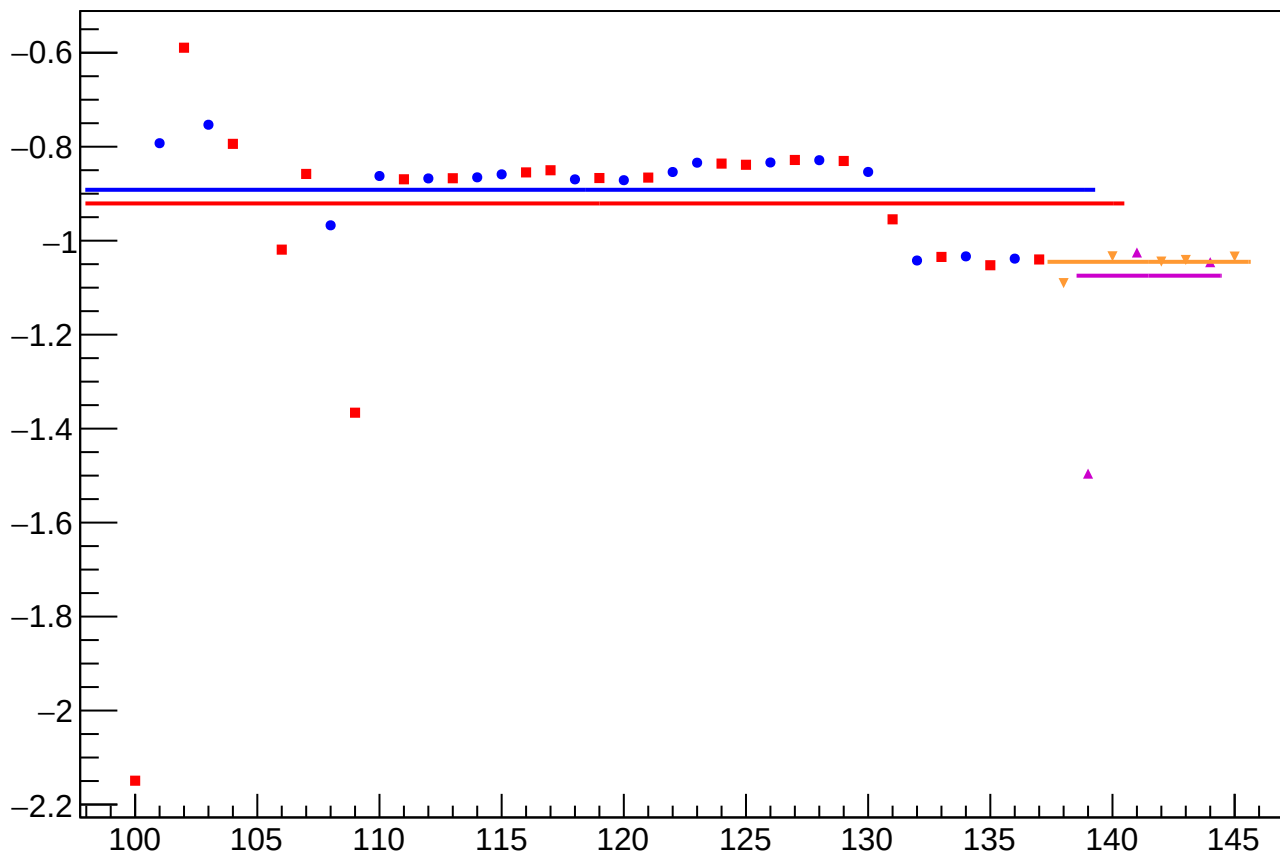
Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

Left In: 0.008+/-0.000 χ^2/NDF : 793128.2/2

0.011+/-0.000 χ^2/NDF : 3333715.9/21

0.011+/-0.000 χ^2/NDF : 3563664.5/22

yield_bpm12X_mean vs Slug



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.045+/-0.000 χ^2/NDF : 1012246.5/4

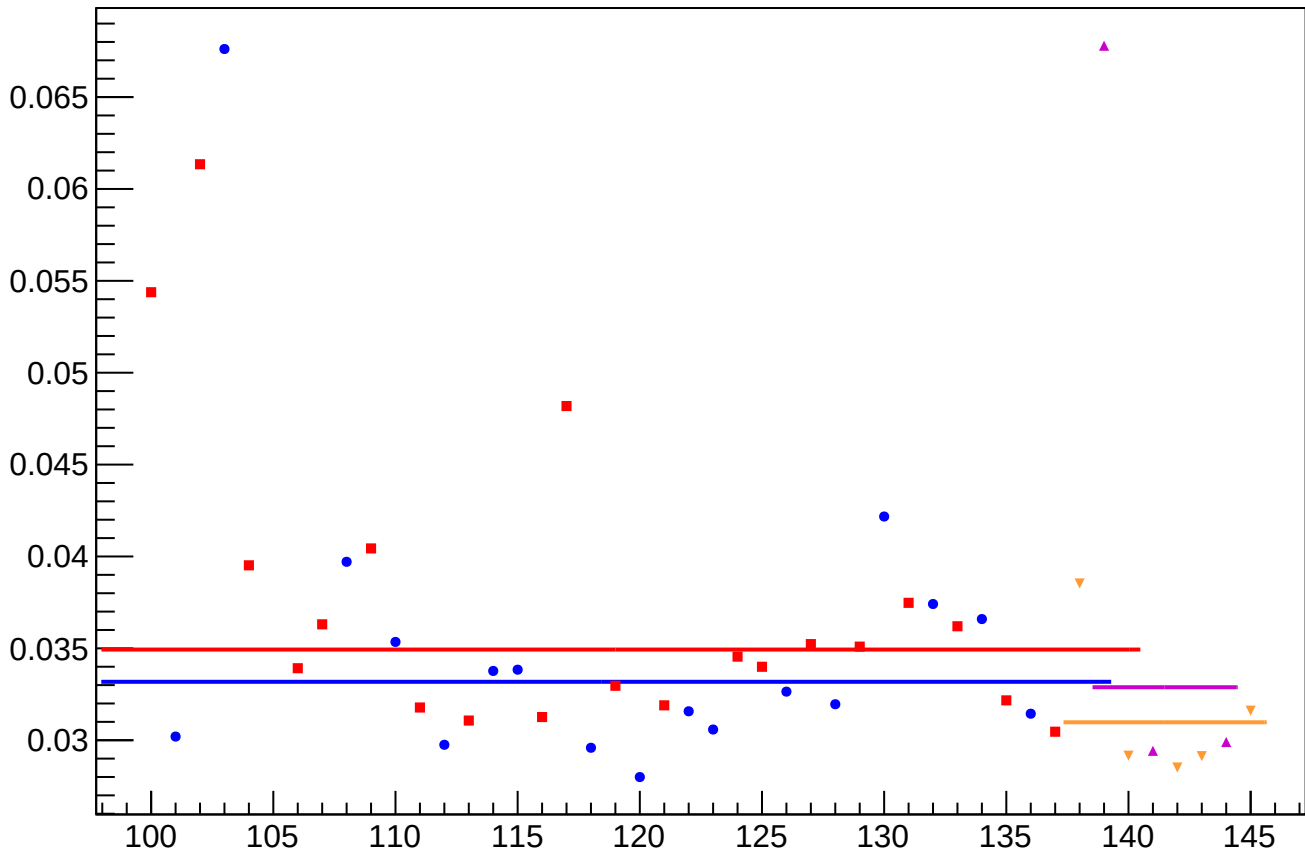
Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

Left In: -1.075+/-0.000 χ^2/NDF : 29659450.0/2

-0.945+/-0.000 χ^2/NDF : 83730348.6/21

-0.961+/-0.000 χ^2/NDF : 192386247.6/22

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 60200.0/4

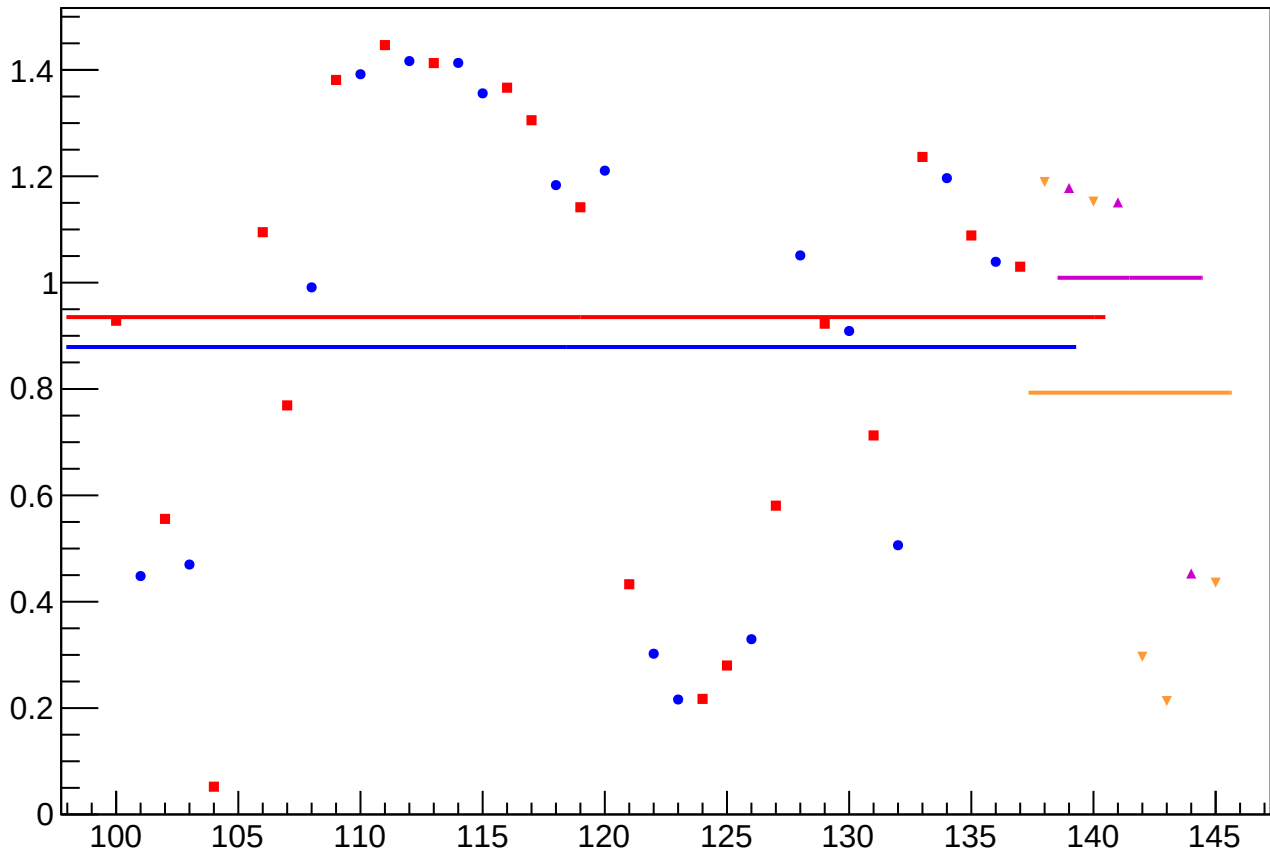
Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

Left In: 0.033+/-0.000 χ^2/NDF : 405222.9/2

0.032+/-0.000 χ^2/NDF : 478046.0/21

0.034+/-0.000 χ^2/NDF : 697677.5/22

yield_bpm12Y_mean vs Slug



Right In: 0.879 $\pm$ 0.000 χ^2 /NDF: 6371602566.2/16

Left Out: 0.793 $\pm$ 0.000 χ^2 /NDF:10493691852.6/4

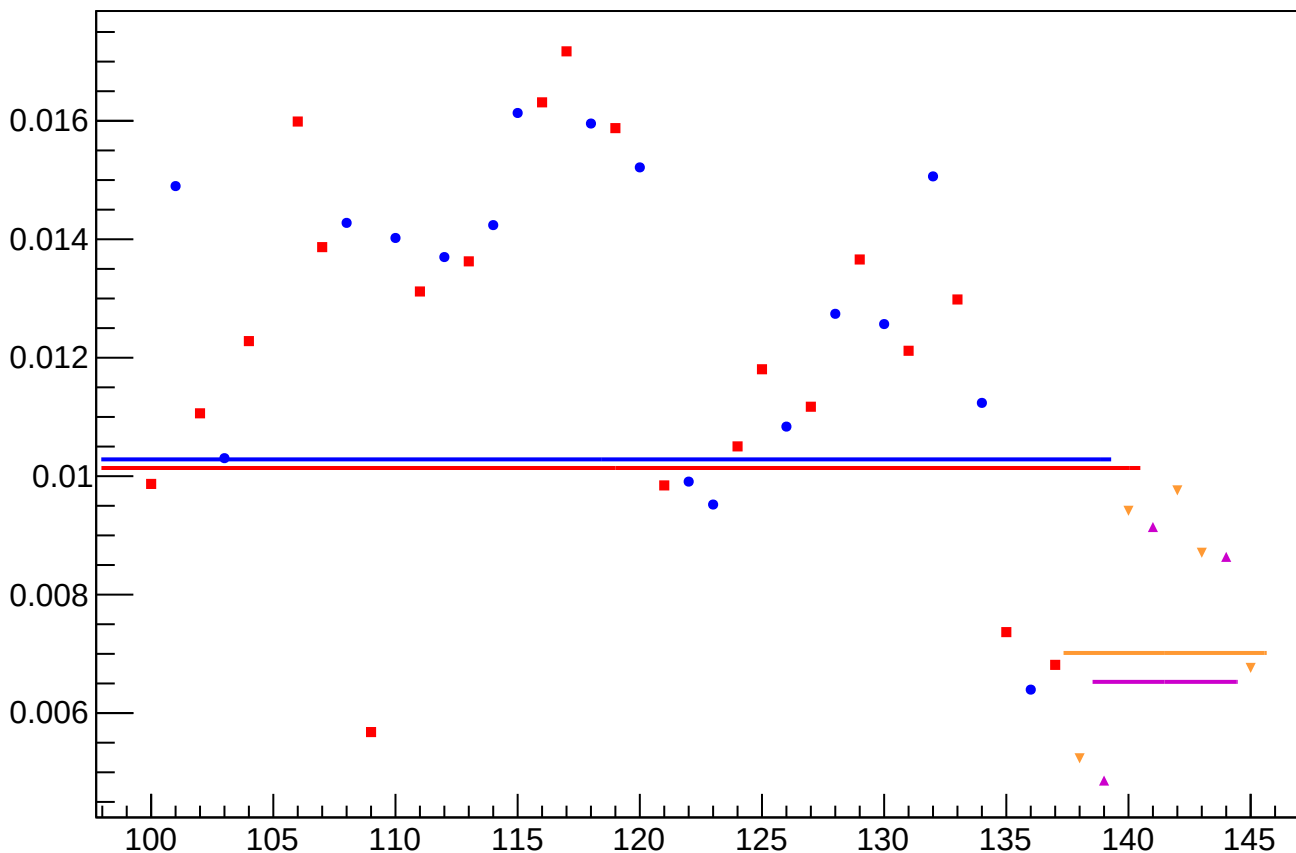
Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9844960466.1/19

Left In: 1.009 $\pm$ 0.000 χ^2 /NDF:4440877019.2/2

0.833 $\pm$ 0.000 χ^2 /NDF: 17071049162.5/21

0.969 $\pm$ 0.000 χ^2 /NDF: 14430266503.8/22

yield_bpm12Y_rms vs Slug



Right In: 0.010 ± 0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.007 ± 0.000 χ^2/NDF : 358173.7/4

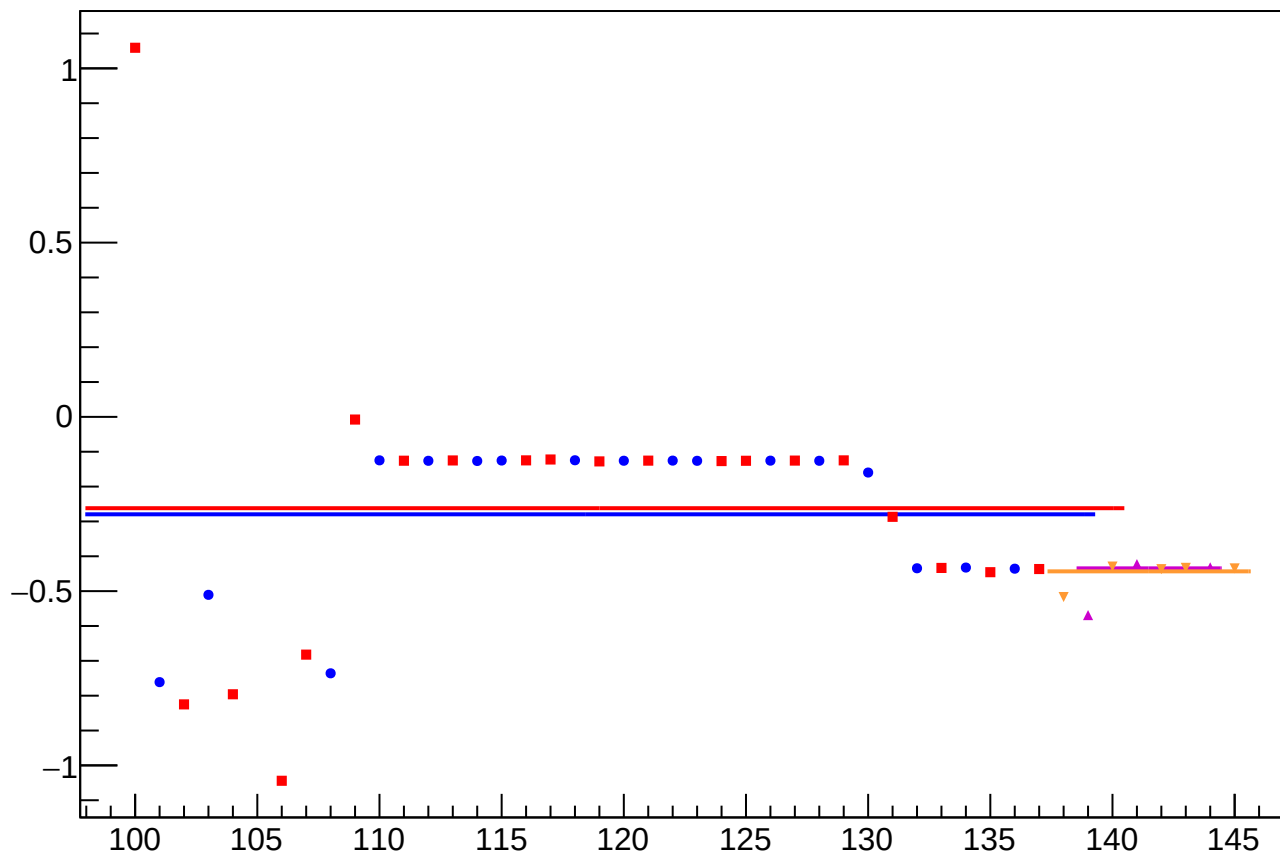
Right Out: 0.010 ± 0.000 χ^2/NDF : 1189529.0/19

Left In: 0.007 ± 0.000 χ^2/NDF : 386273.4/2

0.009 ± 0.000 χ^2/NDF : 2162173.7/21

0.008 ± 0.000 χ^2/NDF : 2264670.0/22

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.443 ± 0.000 χ^2/NDF : 22552174.5/4

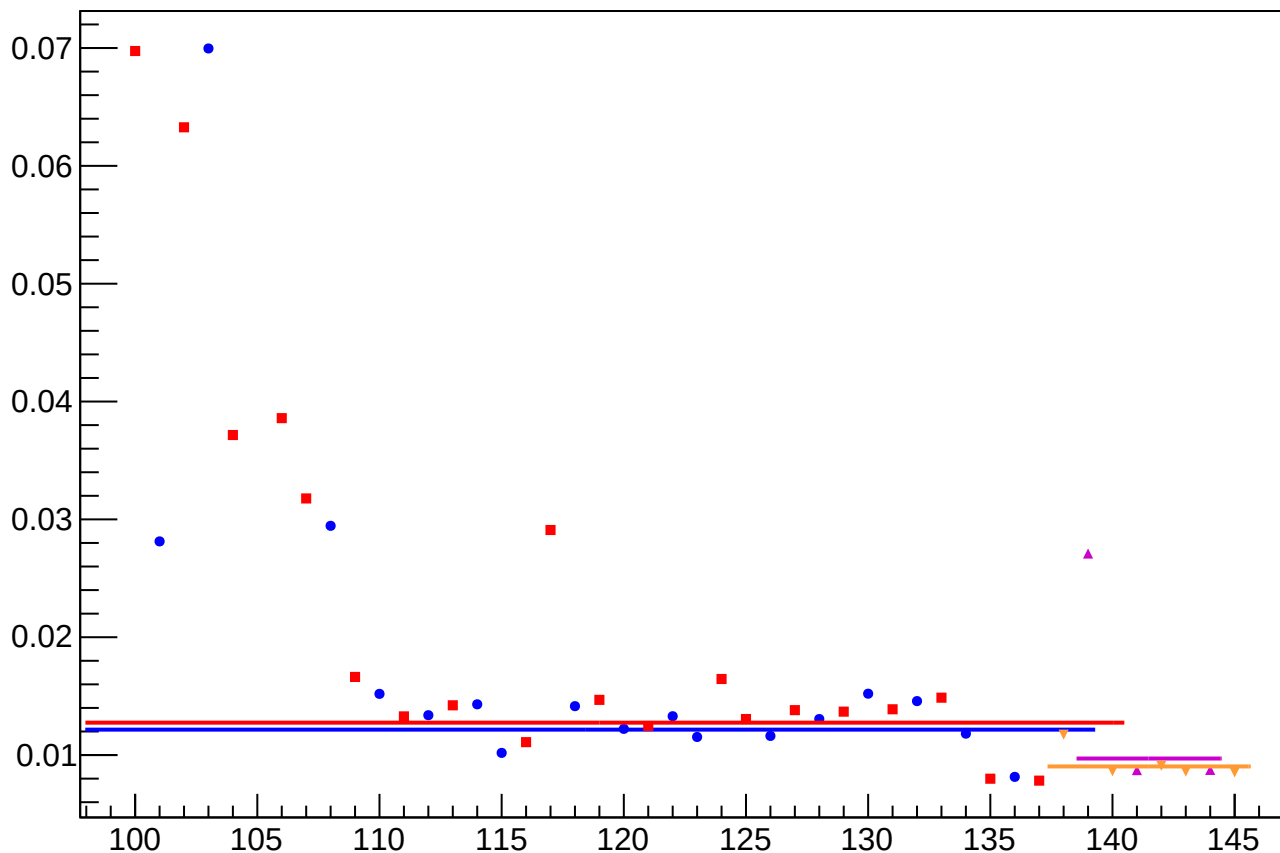
Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

Left In: -0.435 ± 0.000 χ^2/NDF : 18717587.7/2

-0.359 ± 0.000 χ^2/NDF : 1362819047.5/21

-0.327 ± 0.000 χ^2/NDF : 1363324144.2/22

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:61803.8/4

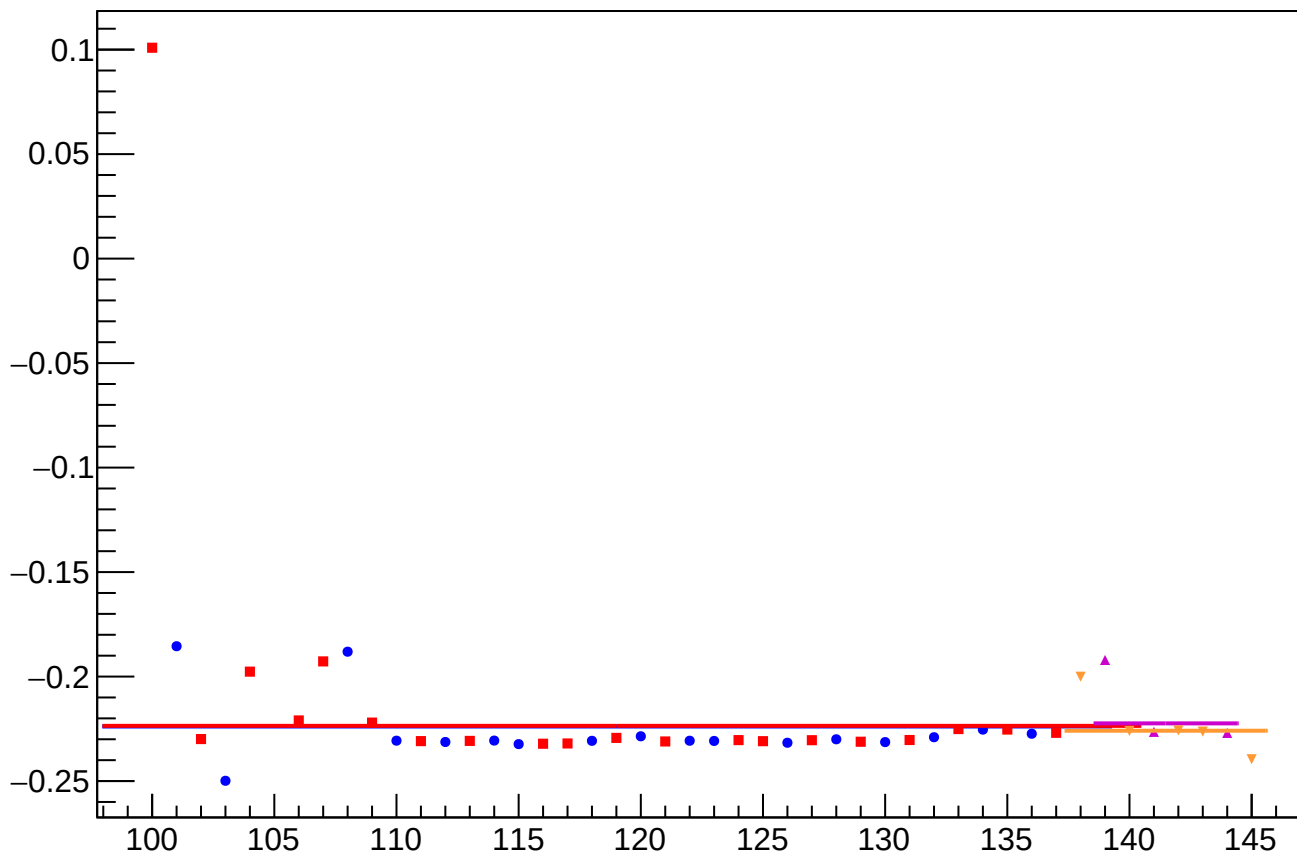
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1991972.4/19

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:617534.7/2

0.011 $\pm$ 0.000 χ^2 /NDF: 2084084.3/21

0.012 $\pm$ 0.000 χ^2 /NDF: 2819326.3/22

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20468066.2/4

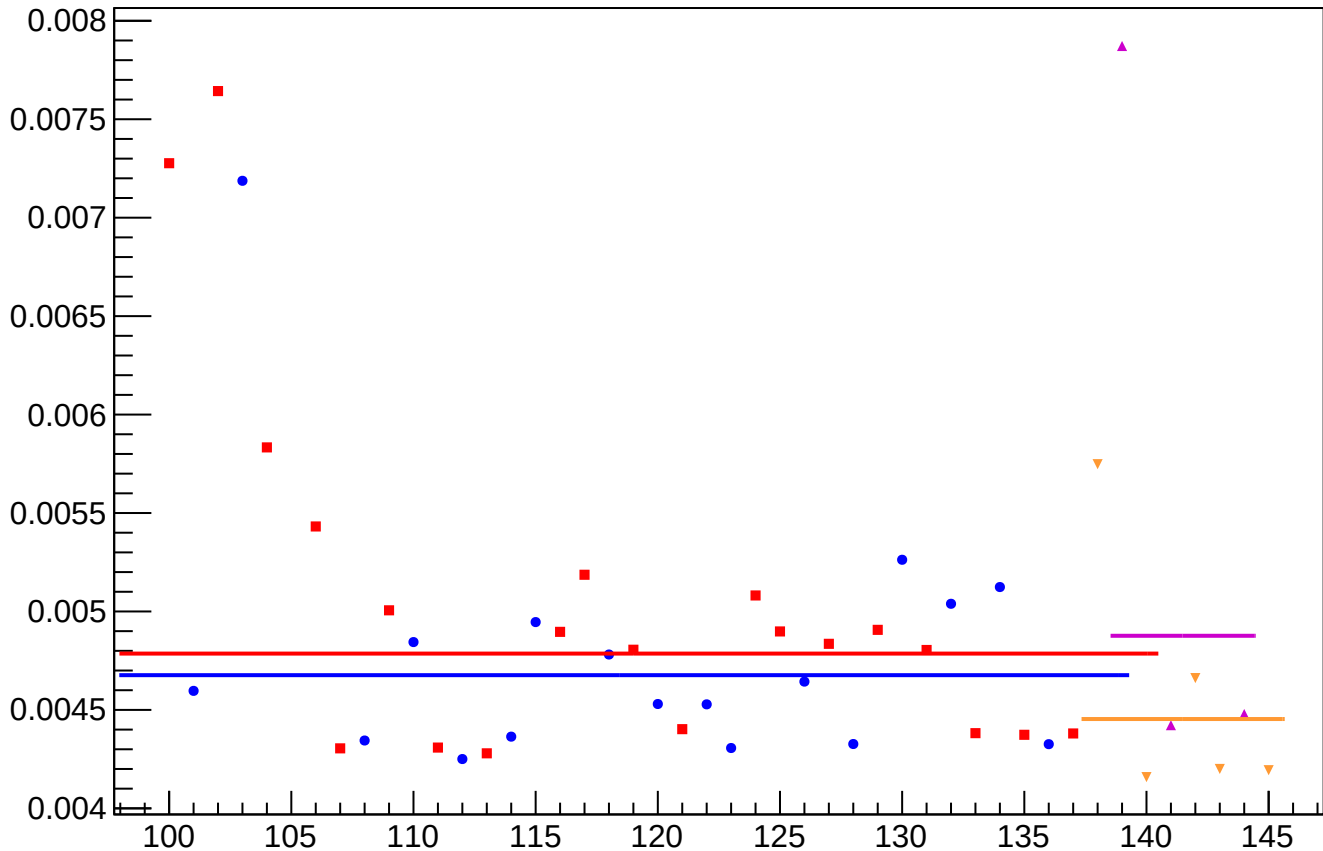
-0.225+/-0.000 χ^2/NDF : 95466657.9/21

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

-0.223+/-0.000 χ^2/NDF : 179993667.1/22

Left In: -0.222+/-0.000 χ^2/NDF : 11668041.4/2

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.004+/-0.000 χ^2/NDF : 85763.9/4

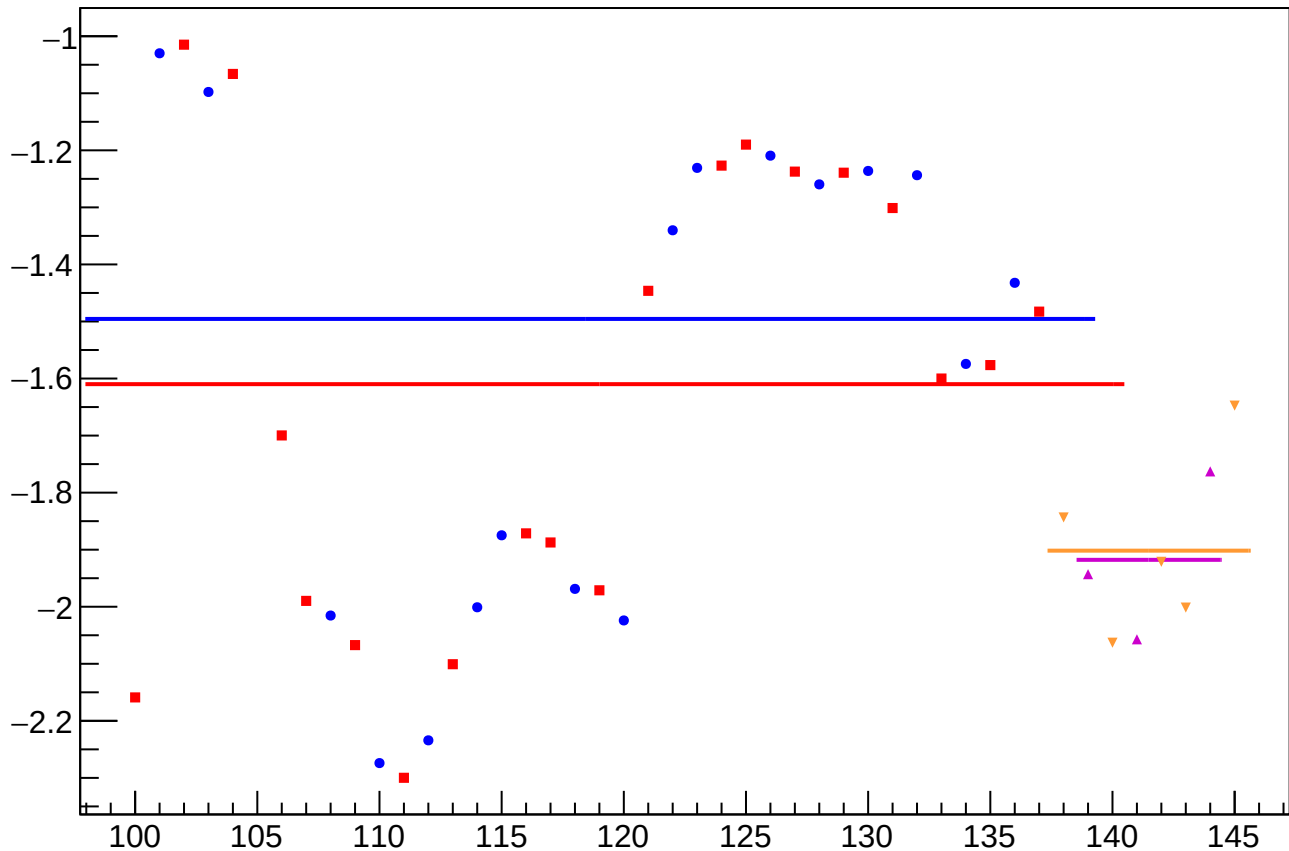
Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 227341.8/2

0.005+/-0.000 χ^2/NDF : 276124.1/21

0.005+/-0.000 χ^2/NDF : 477193.4/22

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.902+/-0.000 χ^2/NDF : 2344674586.6/4

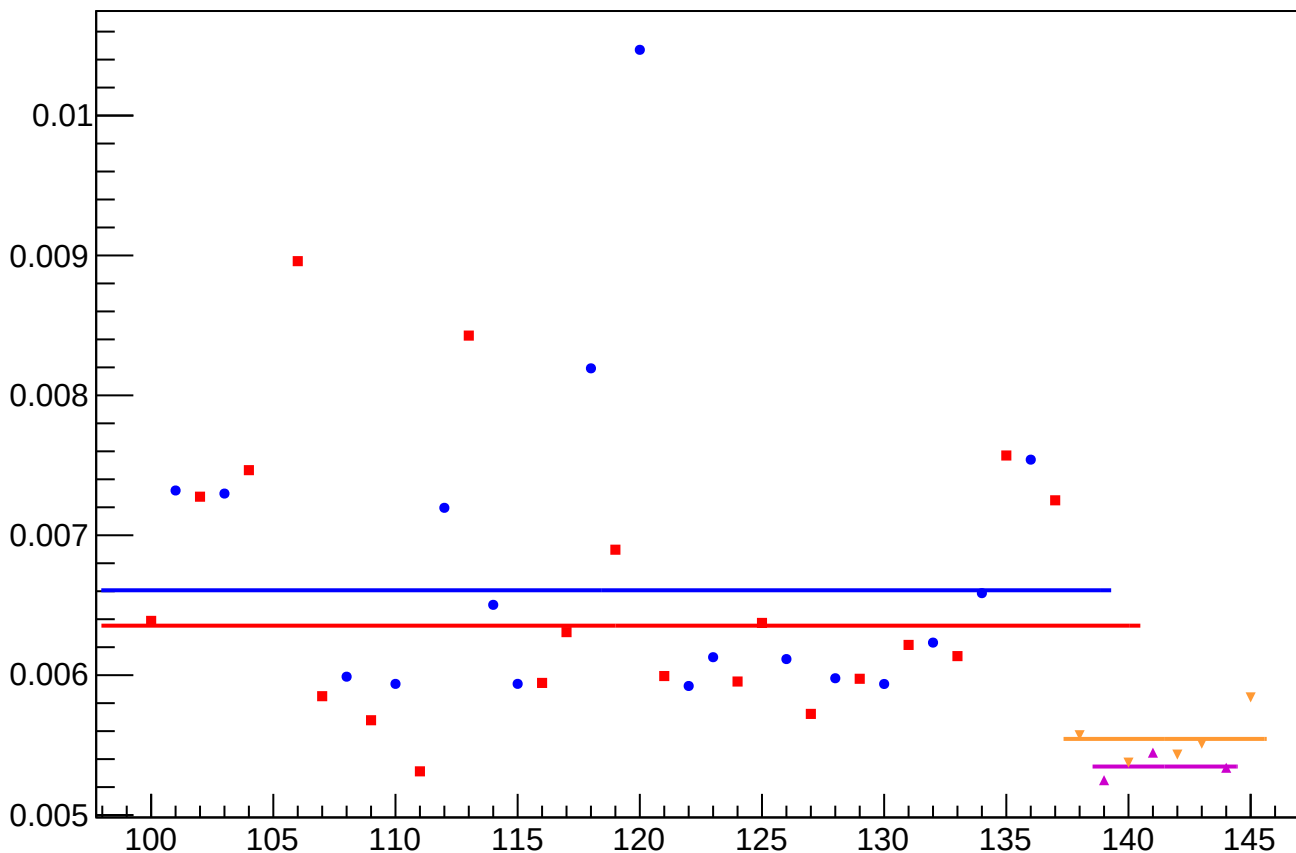
-1.671+/-0.000 χ^2/NDF : 34746994591.0/21

Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

-1.713+/-0.000 χ^2/NDF : 34397256107.5/22

Left In: -1.918+/-0.000 χ^2/NDF : 1253563867.1/2

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF : 5668.7/4

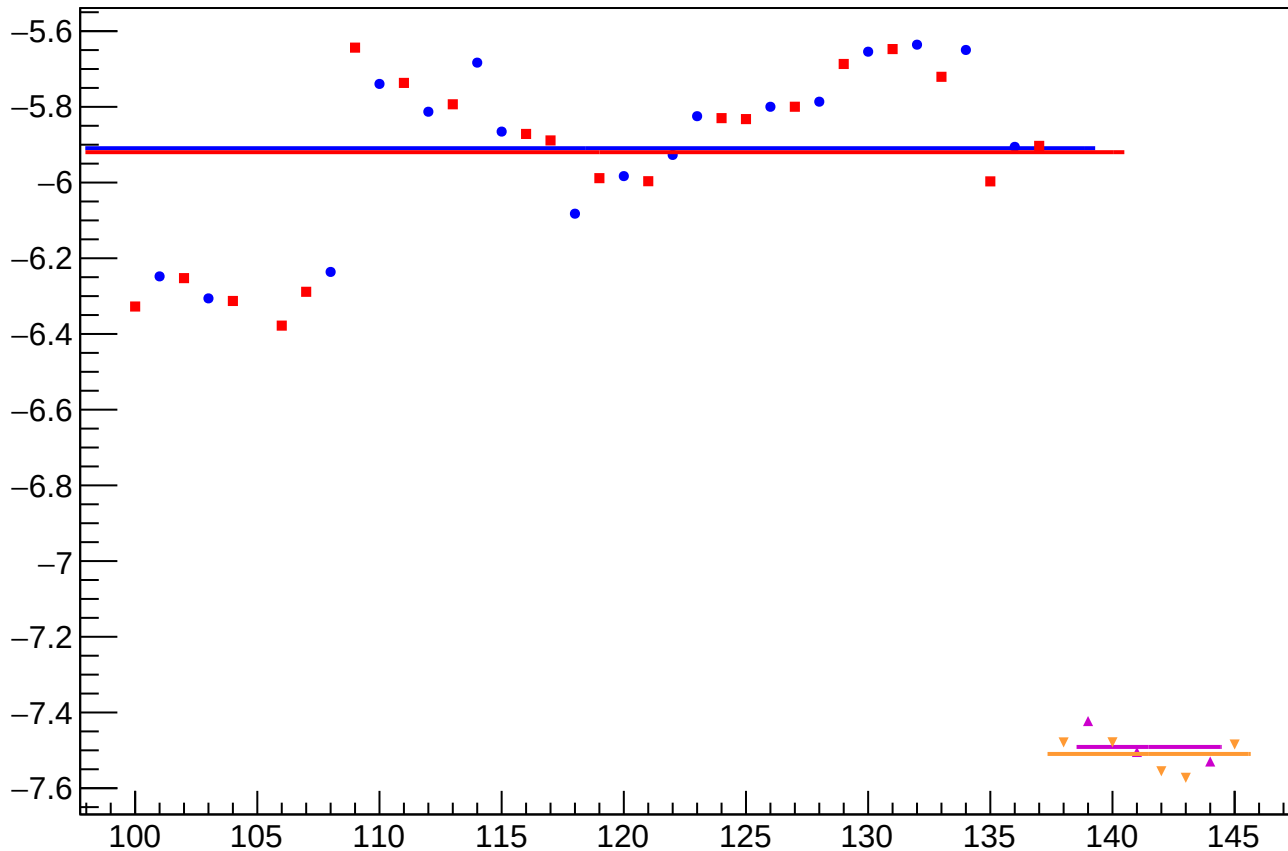
Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

Left In: 0.005+/-0.000 χ^2/NDF : 1039.9/2

0.006+/-0.000 χ^2/NDF : 342390.2/21

0.006+/-0.000 χ^2/NDF : 339698.7/22

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.510+/-0.000 χ^2/NDF : 65353815.0/4

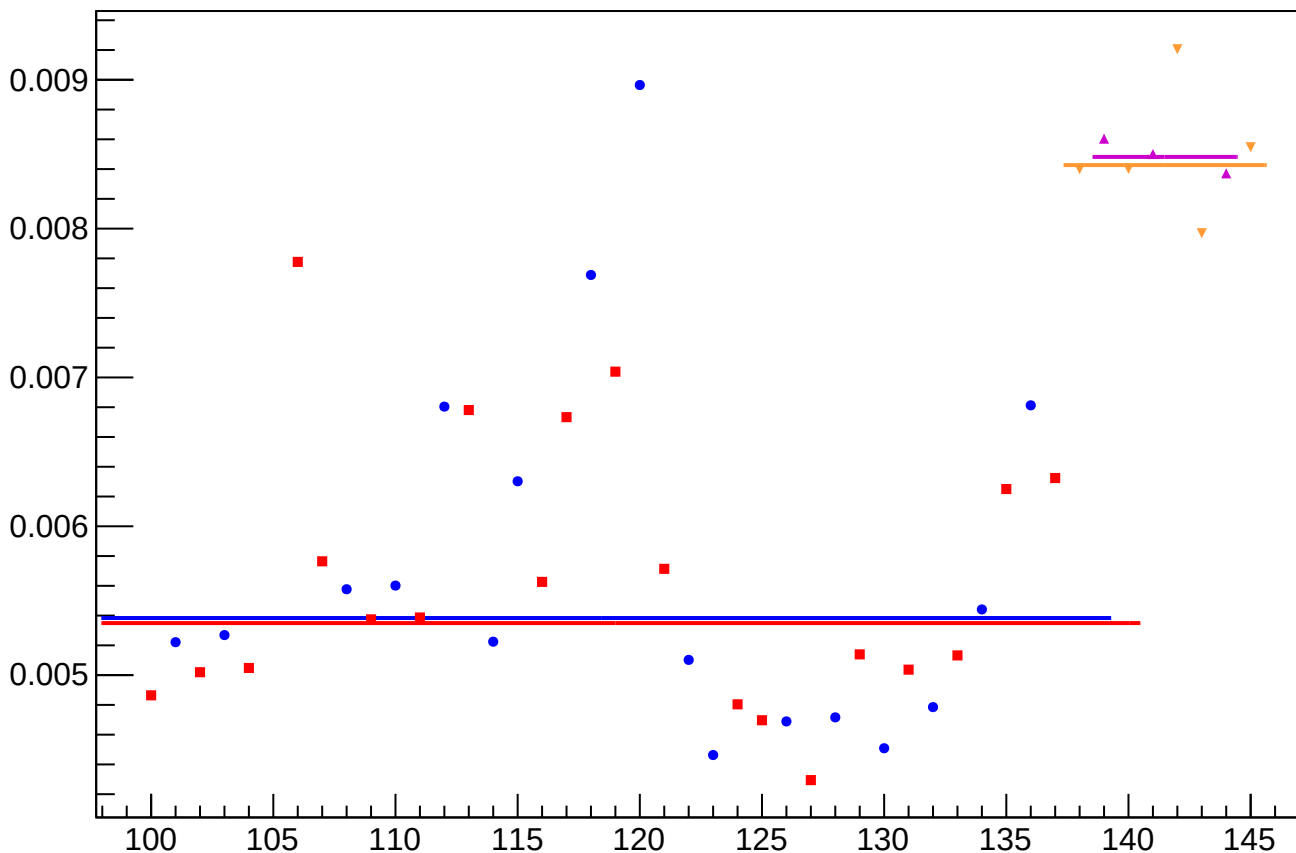
Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

Left In: -7.491+/-0.000 χ^2/NDF : 55472739.5/2

-6.168+/-0.000 χ^2/NDF : 95035714728.5/21

-6.101+/-0.000 χ^2/NDF : 76435659579.7/22

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 9237.5/4

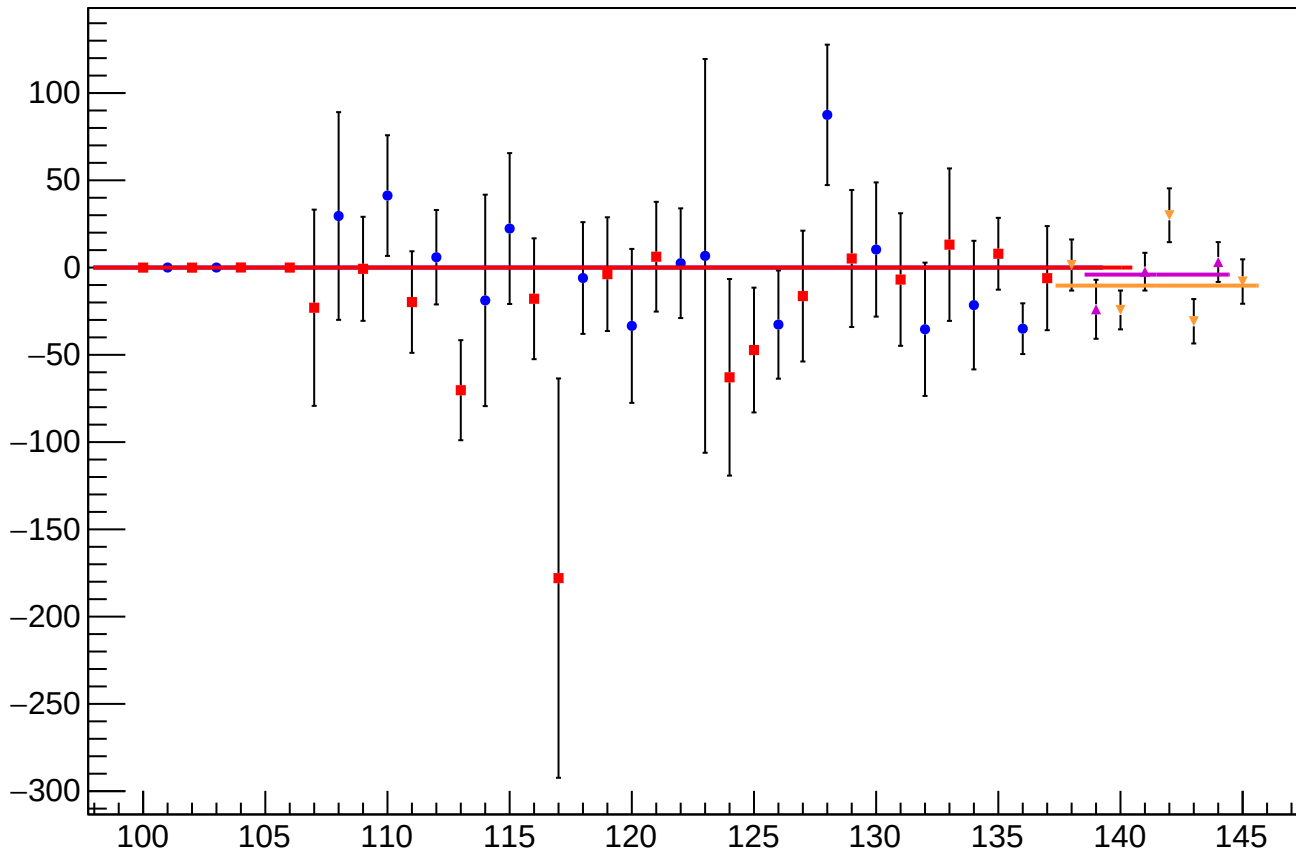
Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

Left In: 0.008+/-0.000 χ^2/NDF : 513.0/2

0.006+/-0.000 χ^2/NDF : 963236.6/21

0.006+/-0.000 χ^2/NDF : 753923.5/22

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 15.8/16

Left Out: -10.338+/-5.842 χ^2/NDF : 11.7/4

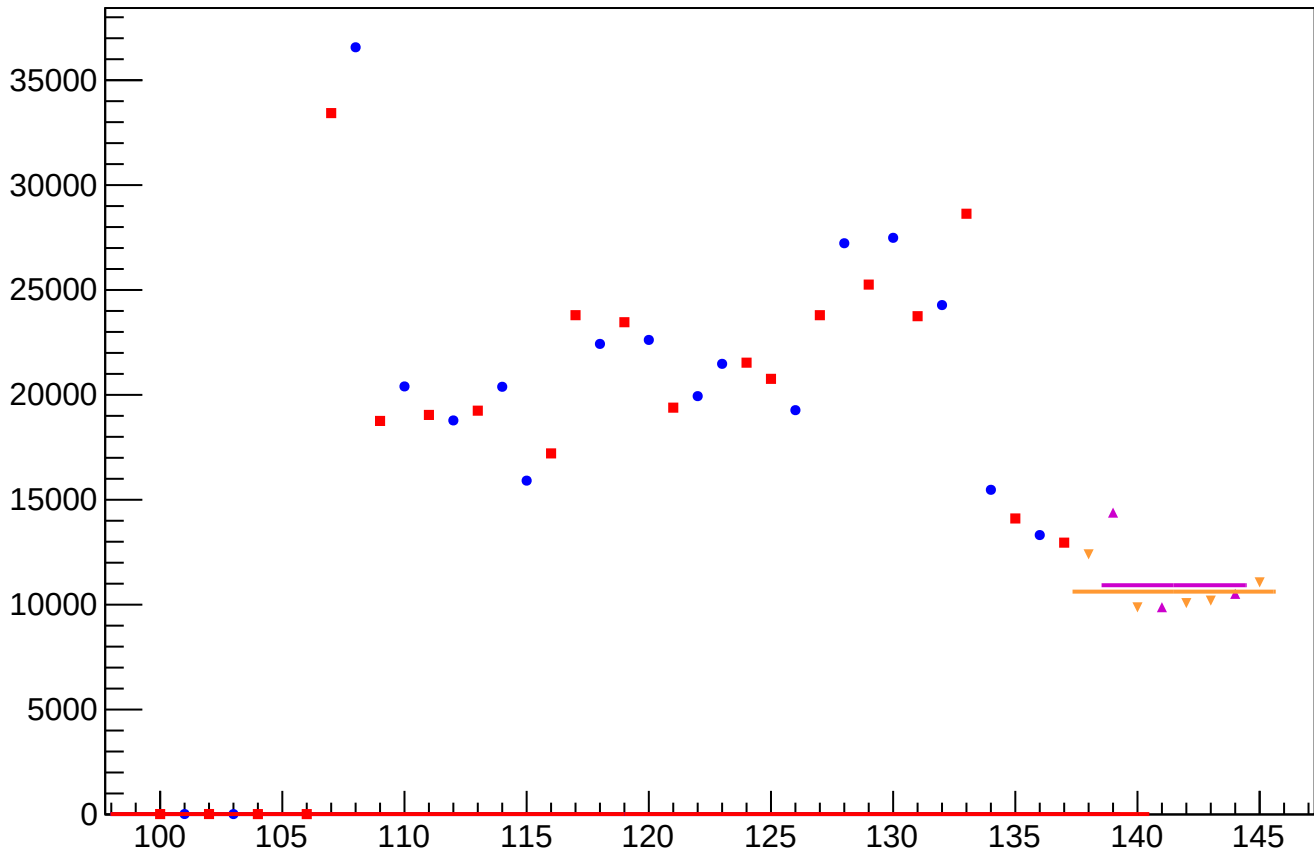
Right Out: 0.003+/-0.016 χ^2/NDF : 17.7/19

Left In: -4.020+/-7.115 χ^2/NDF : 1.8/2

0.013+/-0.017 χ^2/NDF : 30.6/21

0.003+/-0.016 χ^2/NDF : 19.8/22

diff_cav4bX_rms vs Slug



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 10841561.4/16

Left Out: 10621.566 $\pm$ 4.131 χ^2 /NDF:45728.2/4

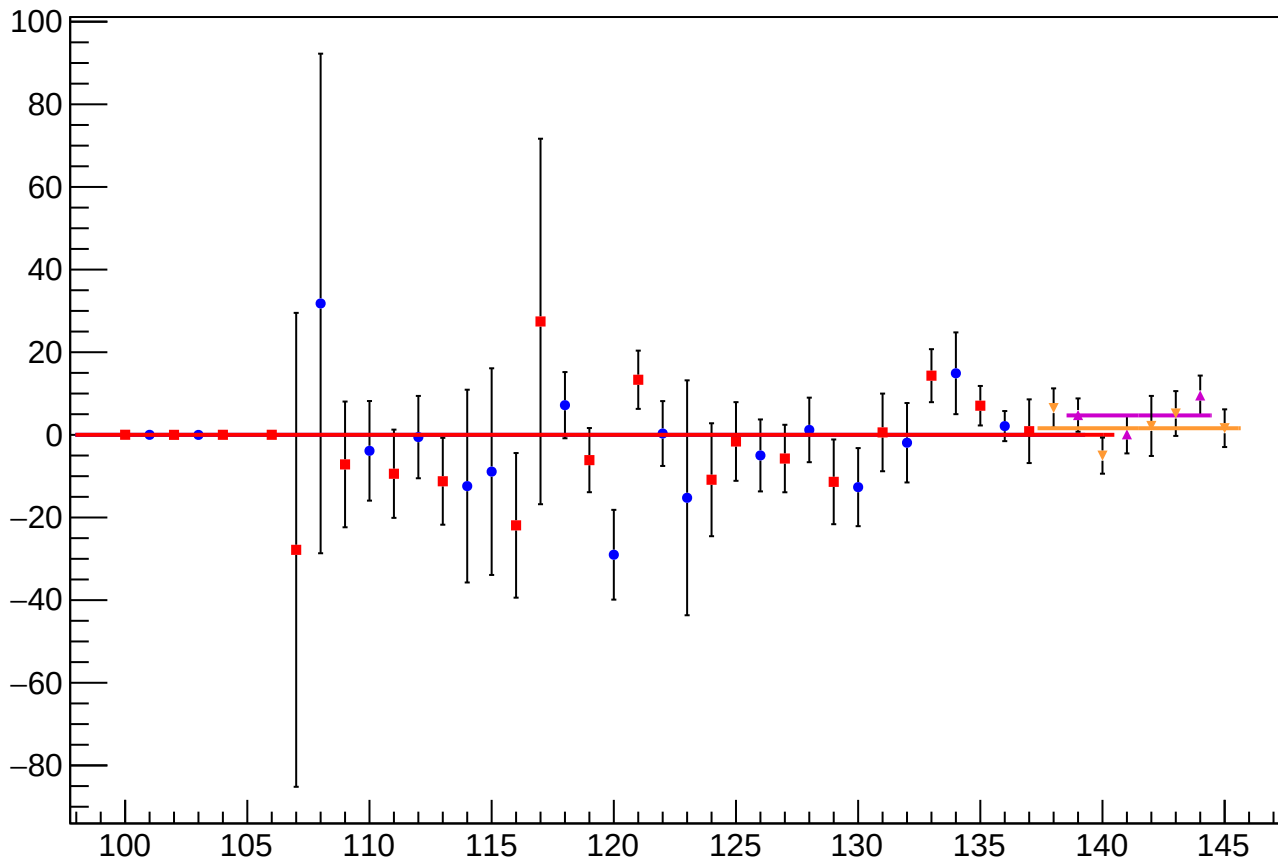
Right Out: 18.312 $\pm$ 0.011 χ^2 /NDF: 11189737.0/19

Left In: 10926.562 $\pm$ 5.031 χ^2 /NDF:105316.7/2

18.734 $\pm$ 0.012 χ^2 /NDF: 17474253.0/21

18.367 $\pm$ 0.011 χ^2 /NDF: 15996254.1/22

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 1.603 $\pm$ 2.251 χ^2 /NDF: 3.8/4

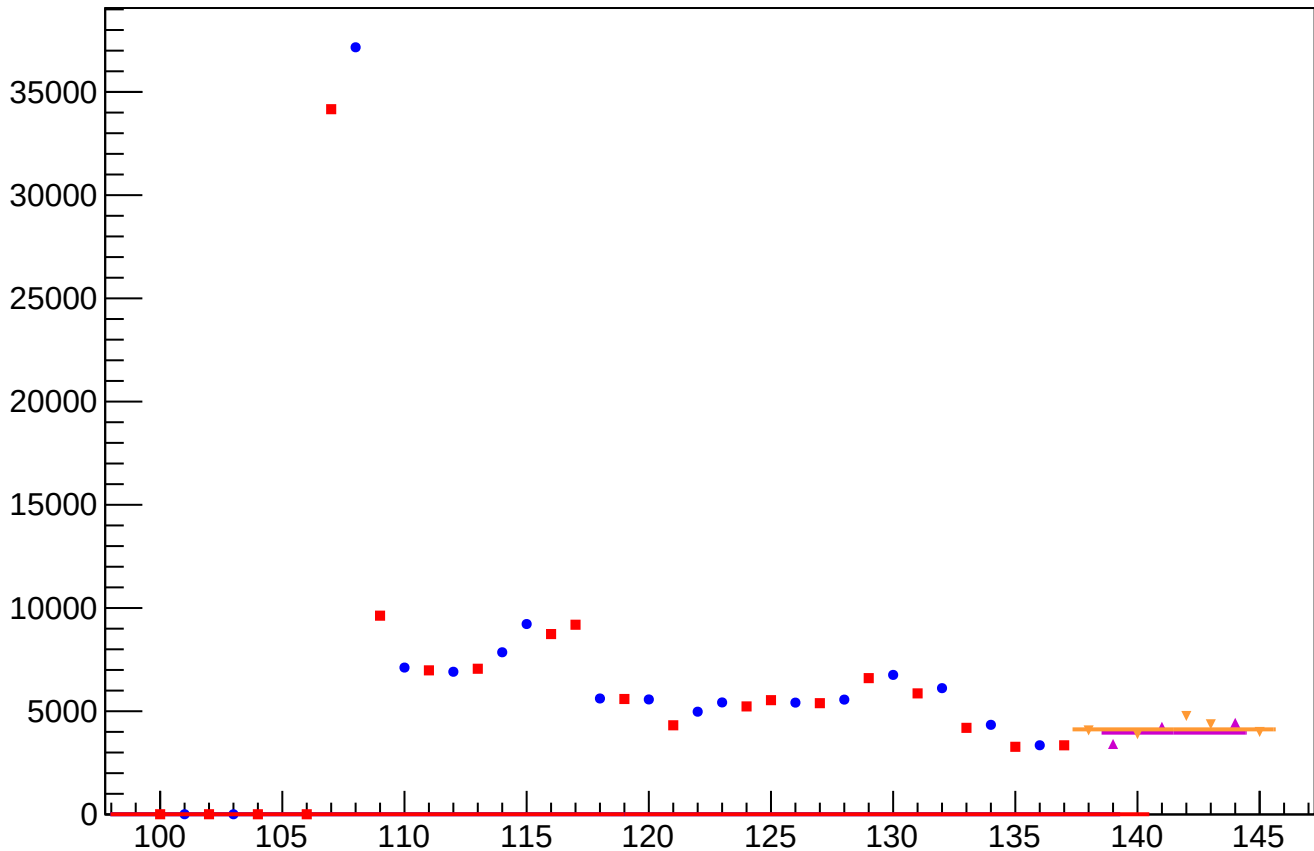
Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.8/19

Left In: 4.706 $\pm$ 2.568 χ^2 /NDF: 2.0/2

0.001 $\pm$ 0.009 χ^2 /NDF: 19.2/21

0.014 $\pm$ 0.009 χ^2 /NDF: 24.1/22

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4121.882+/-1.592 χ^2/NDF : 27447.3/4

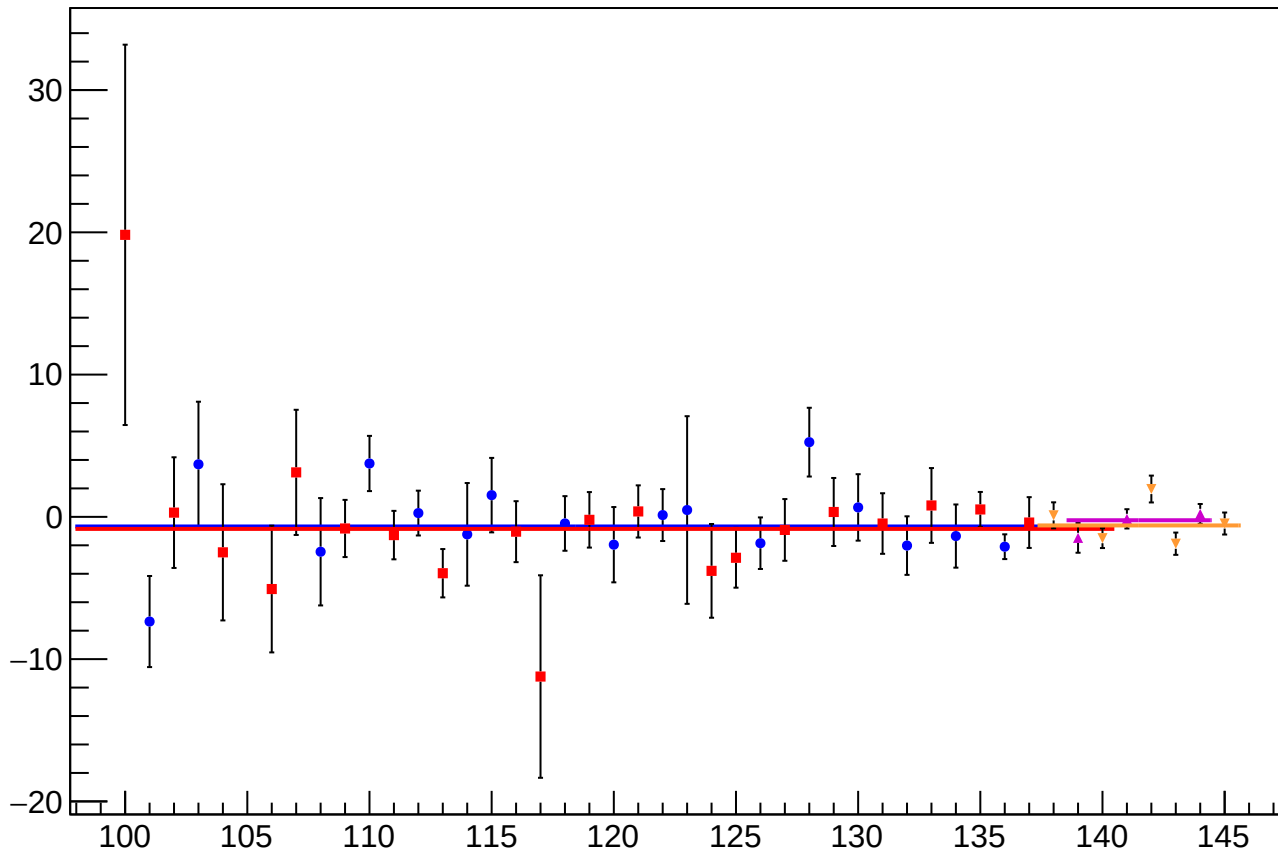
Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

Left In: 3962.490+/-1.816 χ^2/NDF : 63978.8/2

10.007+/-0.007 χ^2/NDF : 17673218.5/21

9.899+/-0.006 χ^2/NDF : 16040345.6/22

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.603 ± 0.360 χ^2/NDF : 12.3/4

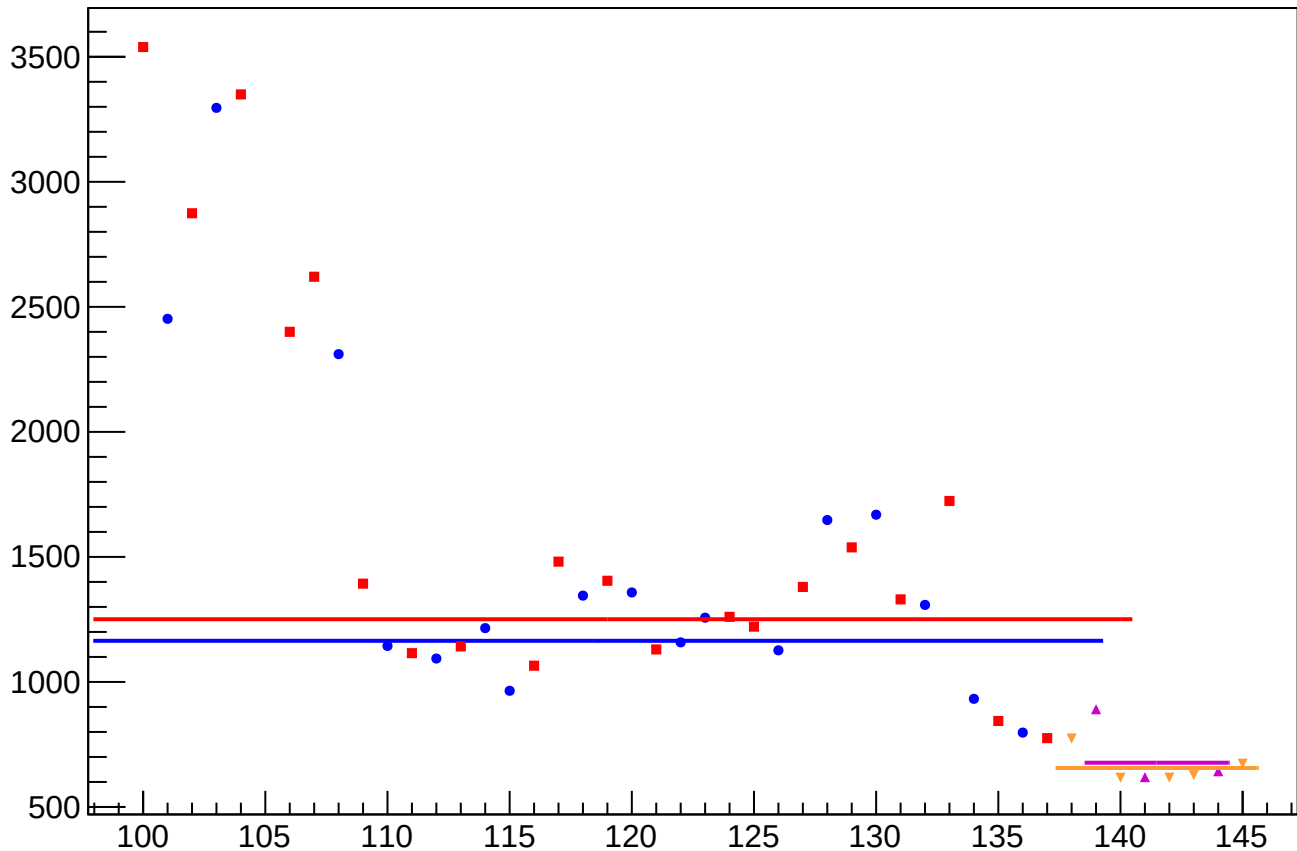
Right Out: -0.846 ± 0.500 χ^2/NDF : 14.1/19

Left In: -0.238 ± 0.441 χ^2/NDF : 1.8/2

-0.629 ± 0.289 χ^2/NDF : 34.6/21

-0.503 ± 0.331 χ^2/NDF : 16.8/22

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 655.944 $\pm$ 0.255 χ^2 /NDF: 46569.3/4

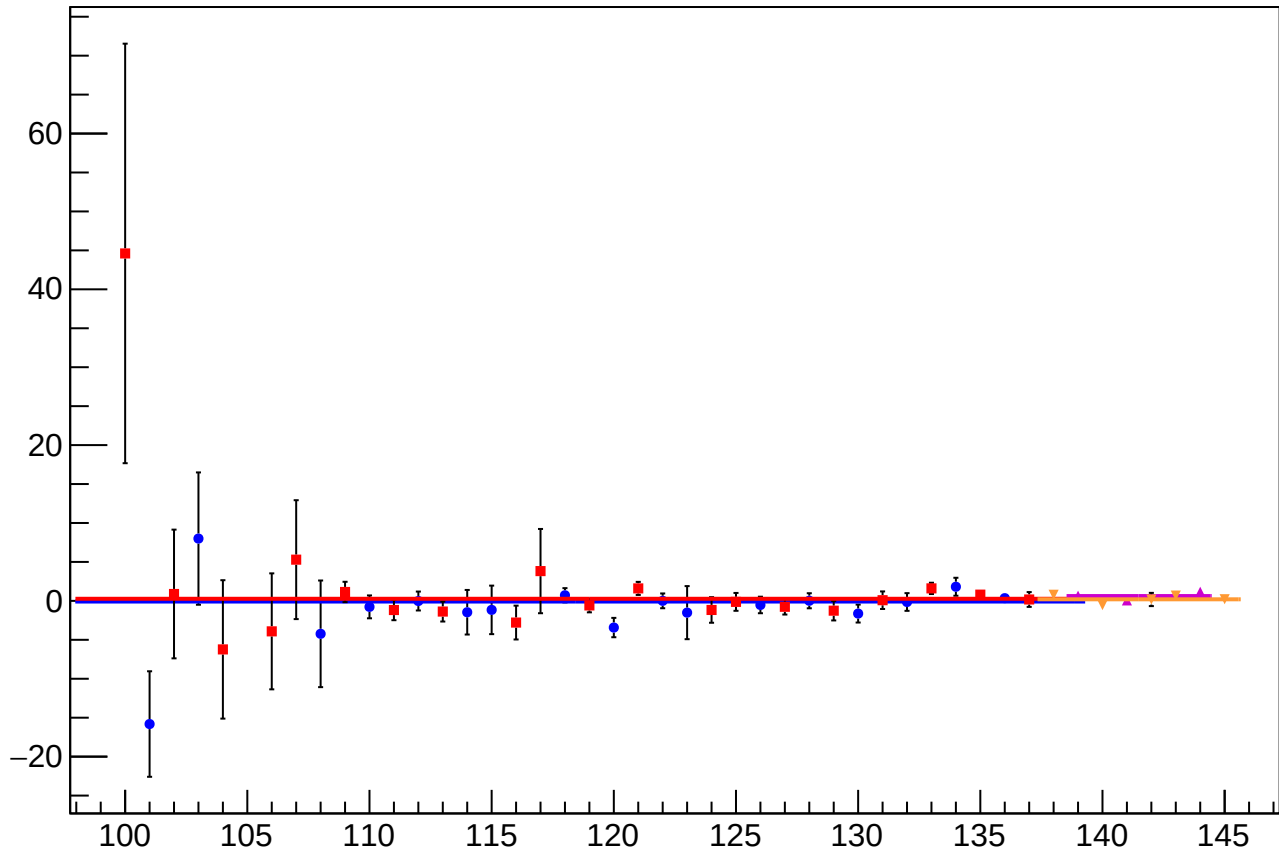
Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

Left In: 677.005 $\pm$ 0.311 χ^2 /NDF: 102828.2/2

837.327 $\pm$ 0.204 χ^2 /NDF: 3050231.3/21

927.706 $\pm$ 0.234 χ^2 /NDF: 3237432.3/22

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.200 ± 0.266 χ^2/NDF : 3.7/4

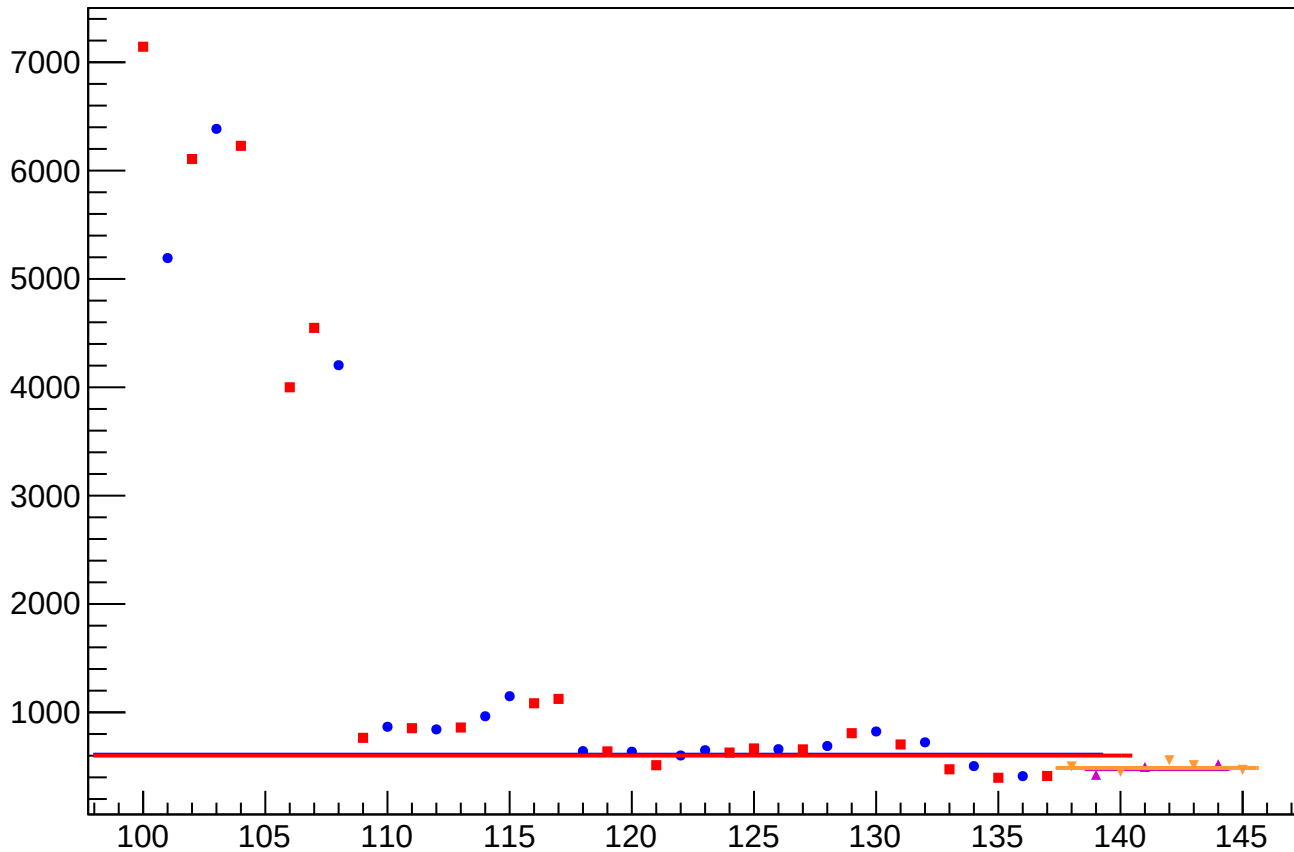
Right Out: 0.268 ± 0.264 χ^2/NDF : 20.9/19

Left In: 0.617 ± 0.308 χ^2/NDF : 2.0/2

0.060 ± 0.189 χ^2/NDF : 25.4/21

0.416 ± 0.200 χ^2/NDF : 23.7/22

diff_cav4cY_rms vs Slug



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 486.688+/-0.188 χ^2/NDF :30482.3/4

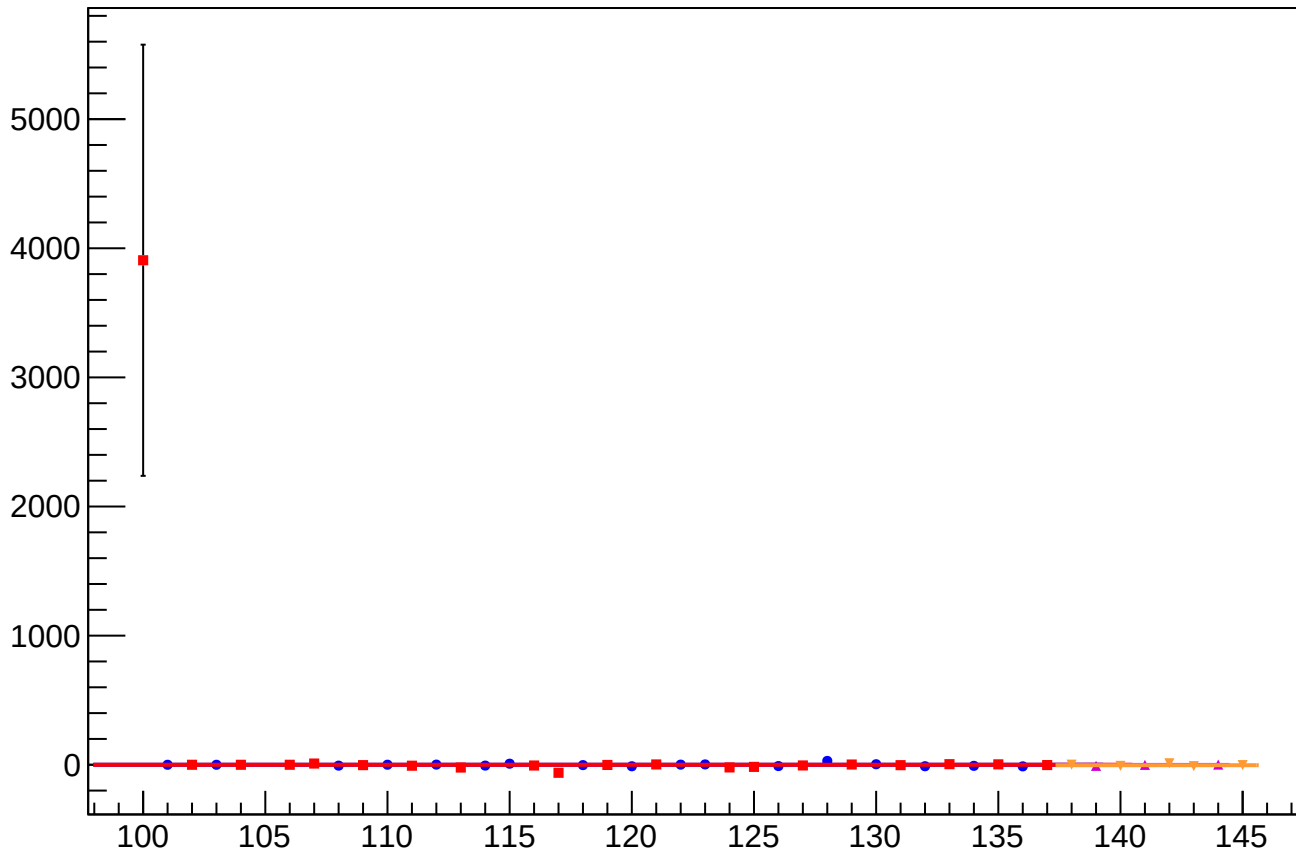
546.845+/-0.134 χ^2/NDF : 3378124.7/21

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

548.229+/-0.142 χ^2/NDF : 3793534.0/22

Left In: 476.241+/-0.218 χ^2/NDF :37491.8/2

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -3.465 ± 2.081 χ^2/NDF : 12.4/4

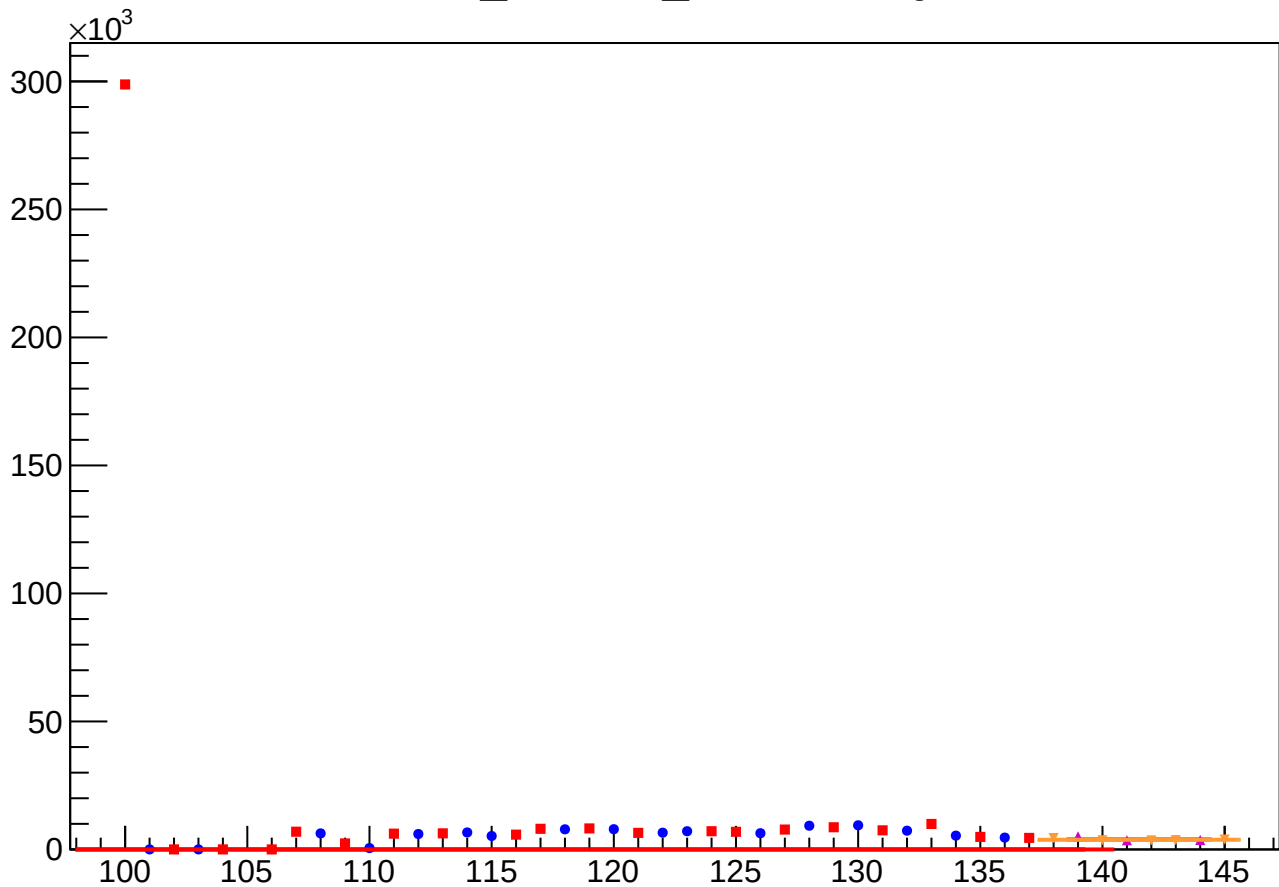
Right Out: -0.027 ± 0.020 χ^2/NDF : 19.8/19

Left In: -1.336 ± 2.546 χ^2/NDF : 1.9/2

-0.022 ± 0.021 χ^2/NDF : 30.4/21

-0.027 ± 0.020 χ^2/NDF : 22.0/22

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 3785.373 $\pm$ 1.471 χ^2 /NDF: 44370.7/4

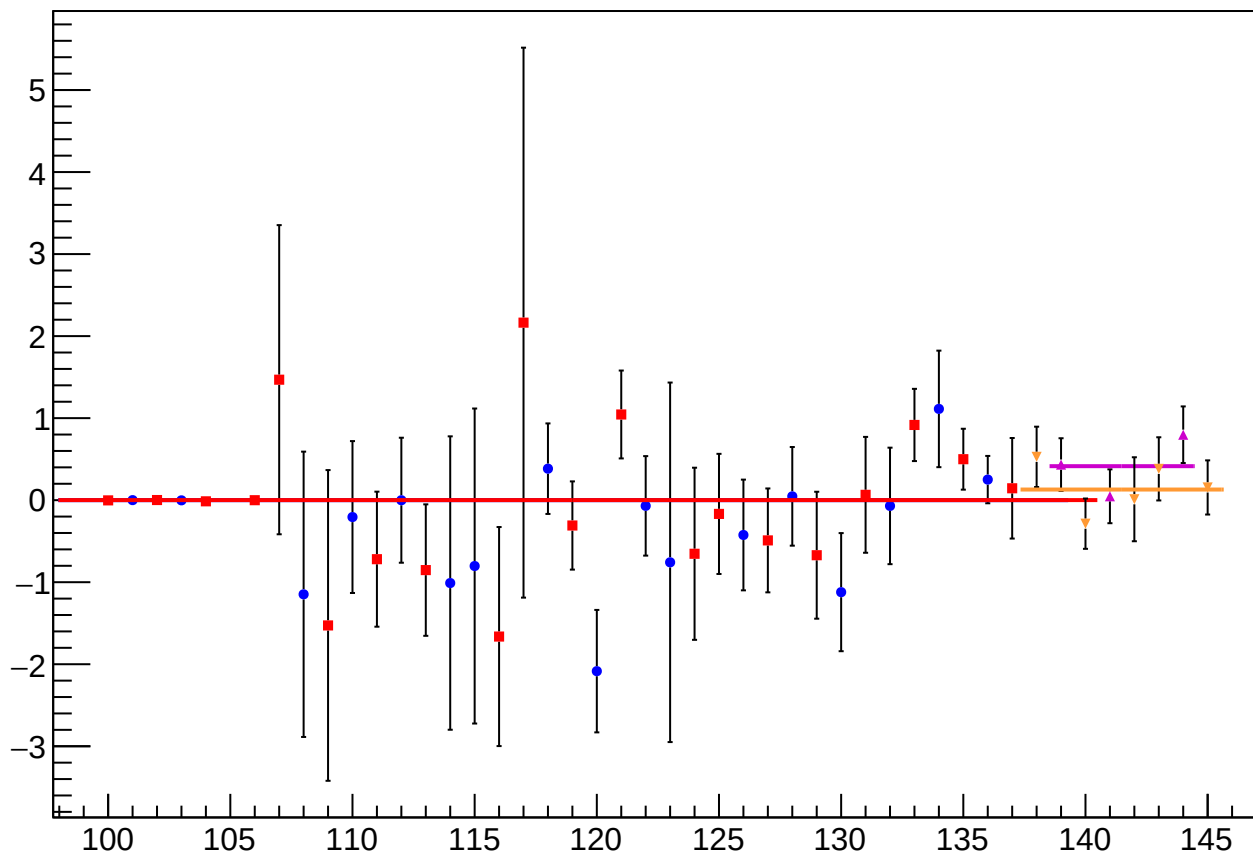
Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

Left In: 3913.305 $\pm$ 1.800 χ^2 /NDF: 100180.3/2

17.713 $\pm$ 0.015 χ^2 /NDF: 16961512.5/21

17.505 $\pm$ 0.014 χ^2 /NDF: 15684100.8/22

diff_cav4dY_mean vs Slug



Right In: 0.000+/-0.002 χ^2/NDF : 15.6/16

Left Out: 0.130+/-0.163 χ^2/NDF : 3.5/4

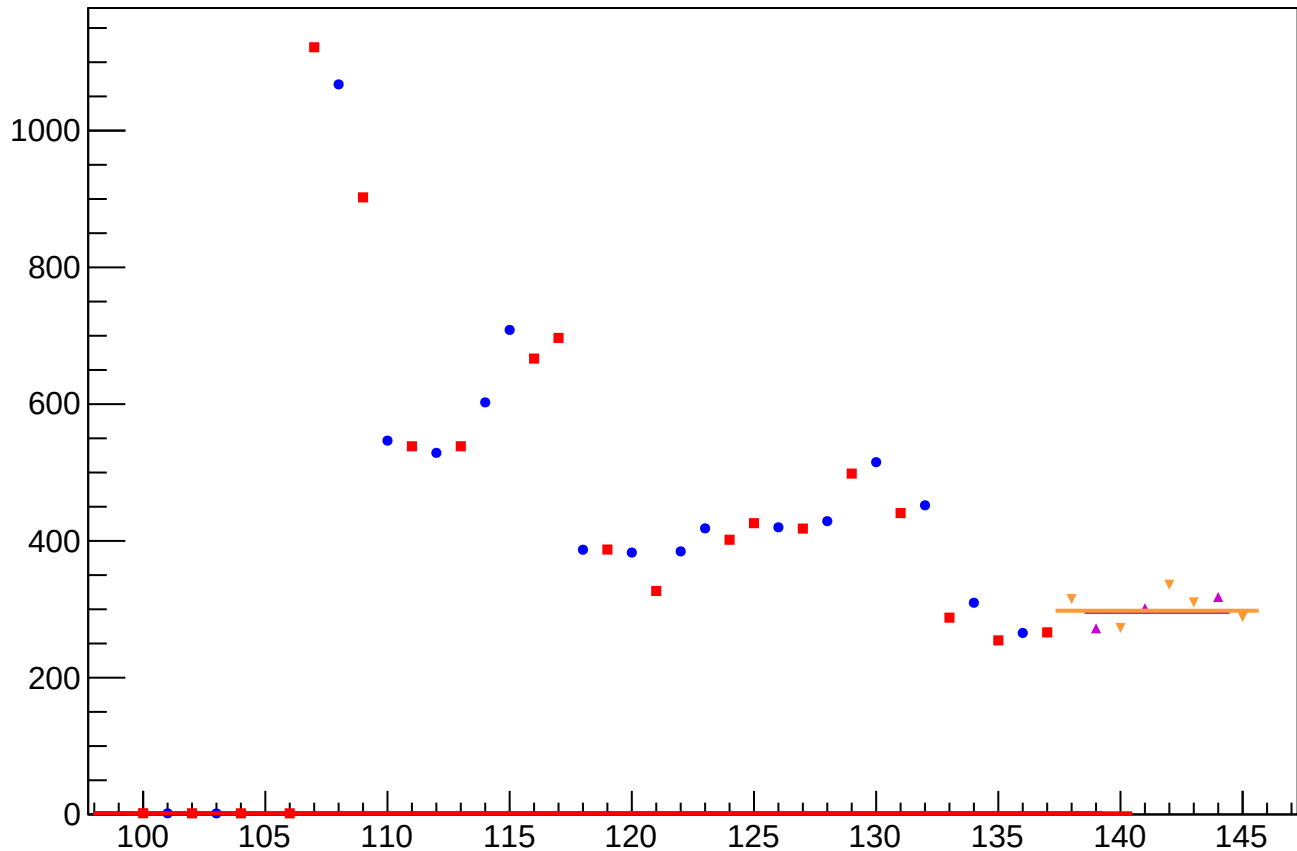
Right Out: 0.001+/-0.002 χ^2/NDF : 18.2/19

Left In: 0.414+/-0.191 χ^2/NDF : 2.5/2

0.000+/-0.002 χ^2/NDF : 19.8/21

0.001+/-0.002 χ^2/NDF : 25.4/22

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 297.929+/-0.115 χ^2/NDF : 32339.5/4

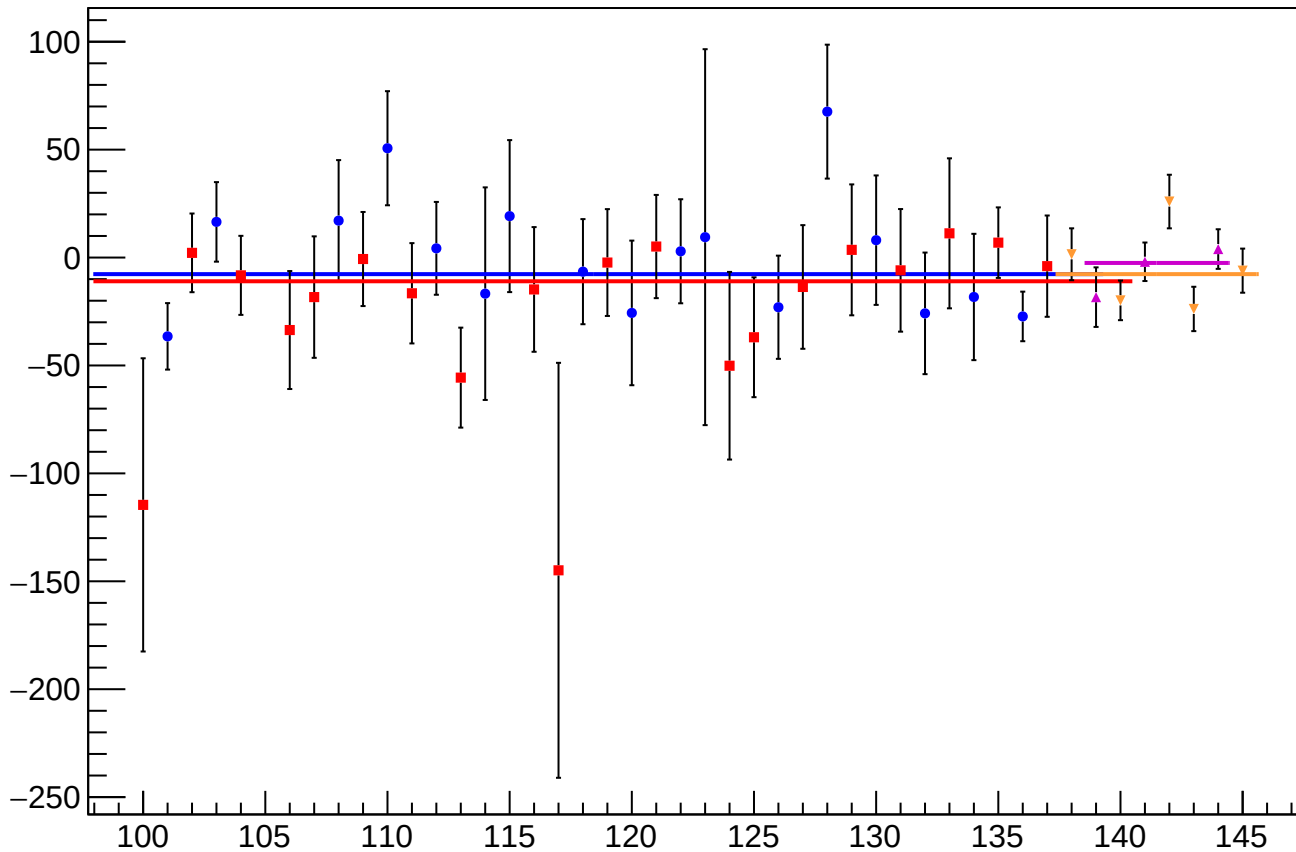
Right Out: 1.729+/-0.001 χ^2/NDF : 10822679.1/19

Left In: 296.195+/-0.135 χ^2/NDF : 19702.6/2

1.744+/-0.001 χ^2/NDF : 17569649.6/21

1.759+/-0.001 χ^2/NDF : 15585735.8/22

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -7.683 ± 4.749 χ^2/NDF : 12.2/4

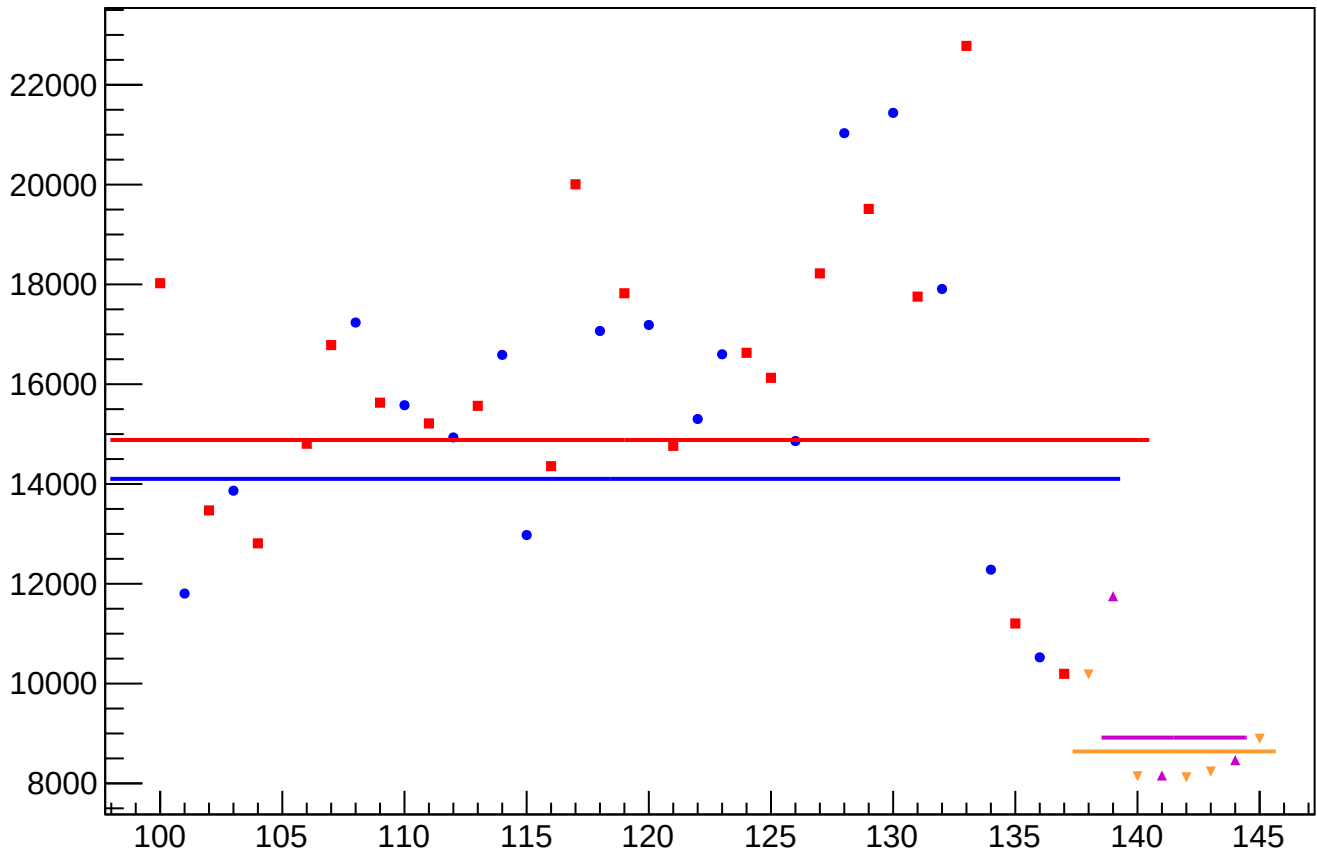
Right Out: -10.992 ± 5.672 χ^2/NDF : 13.8/19

Left In: -2.498 ± 5.803 χ^2/NDF : 1.8/2

-7.683 ± 3.629 χ^2/NDF : 34.5/21

-6.842 ± 4.056 χ^2/NDF : 16.7/22

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 8640.020+/-3.358 χ^2/NDF : 46686.5/4

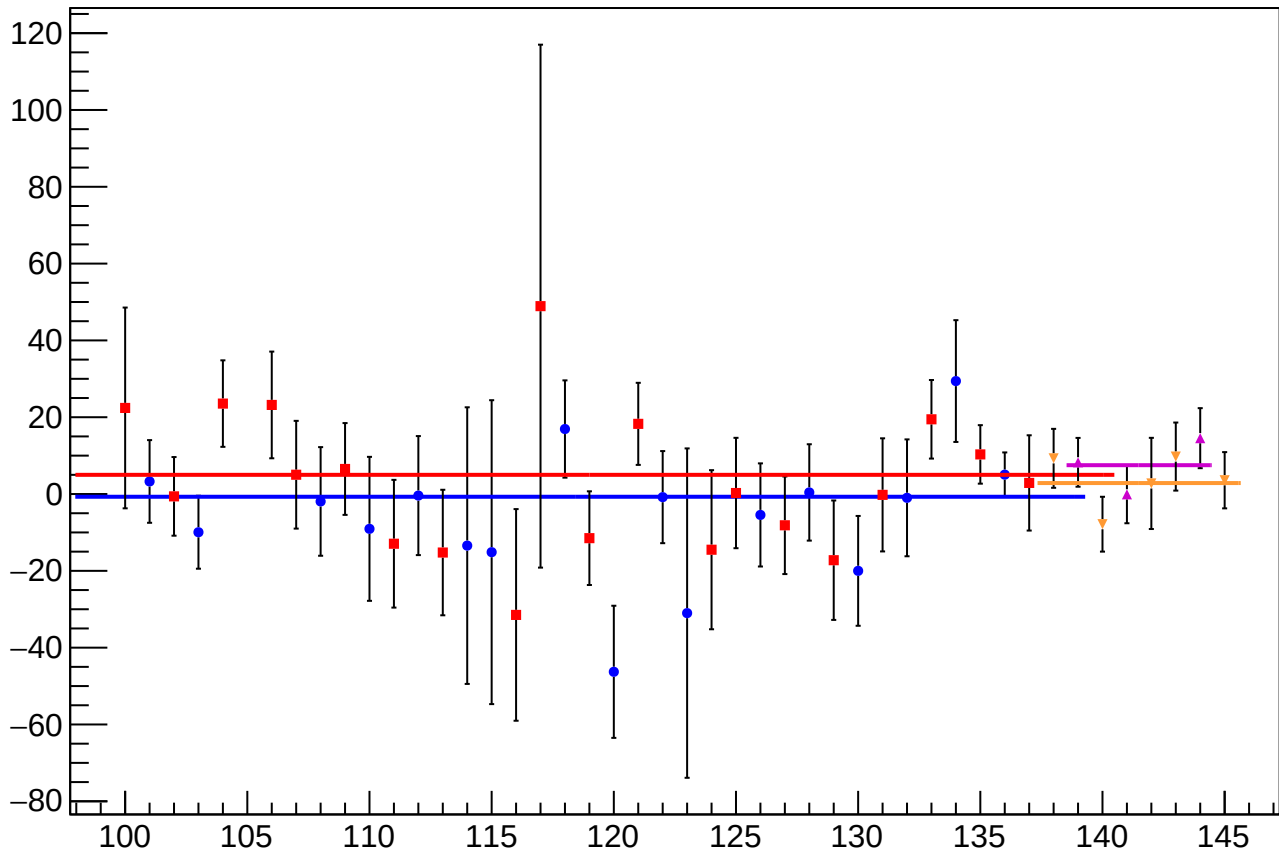
10912.169+/-2.566 χ^2/NDF : 1746334.1/21

Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

11967.437+/-2.868 χ^2/NDF : 1660267.8/22

Left In: 8917.196+/-4.103 χ^2/NDF : 103625.3/2

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 $\chi^2/\text{NDF}: 17.6/16$

Left Out: 2.859 ± 3.650 $\chi^2/\text{NDF}: 3.6/4$

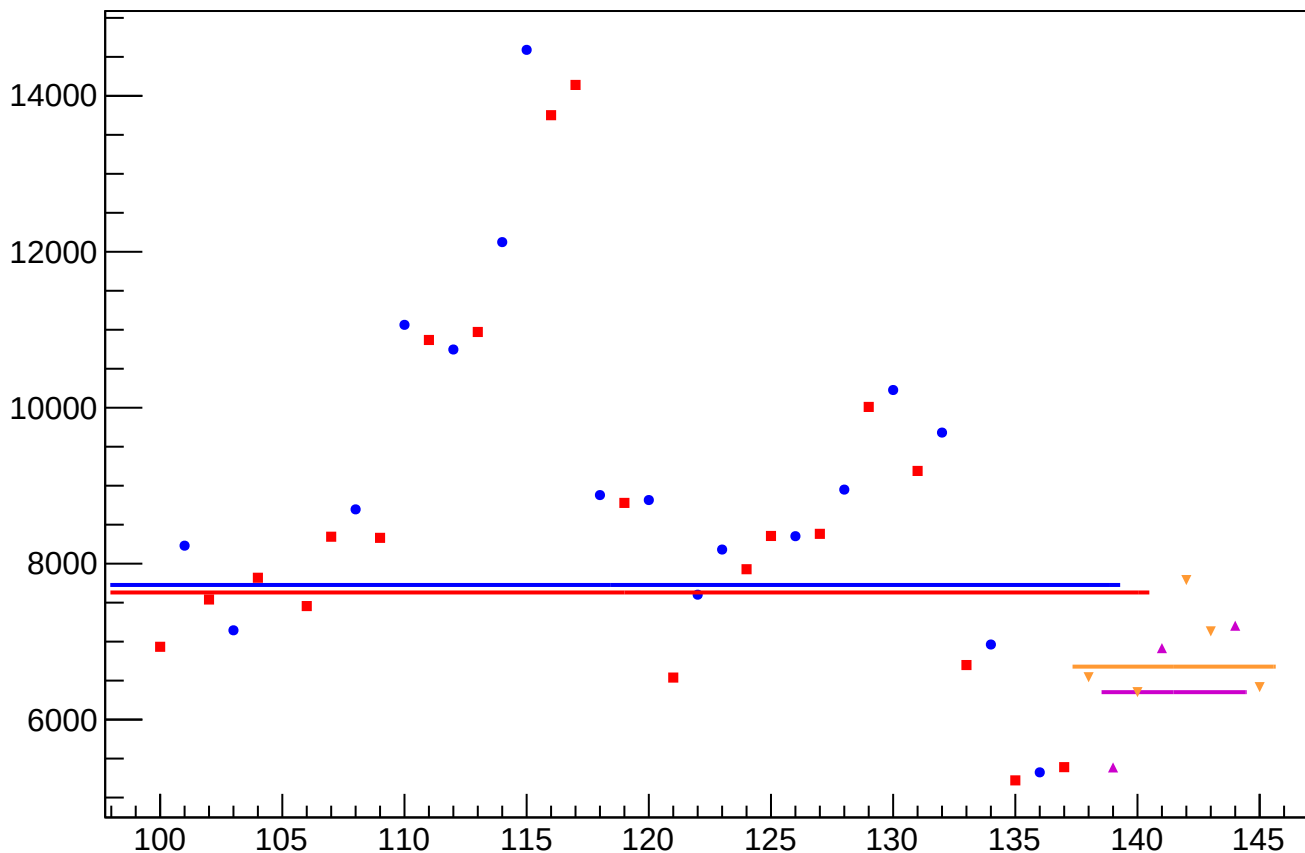
Right Out: 5.000 ± 2.937 $\chi^2/\text{NDF}: 20.2/19$

Left In: 7.512 ± 4.125 $\chi^2/\text{NDF}: 1.8/2$

0.778 ± 2.355 $\chi^2/\text{NDF}: 21.7/21$

5.845 ± 2.392 $\chi^2/\text{NDF}: 22.3/22$

diff_bpm4aY_rms vs Slug



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 6679.257 $\pm$ 2.581 χ^2 /NDF:30118.5/4

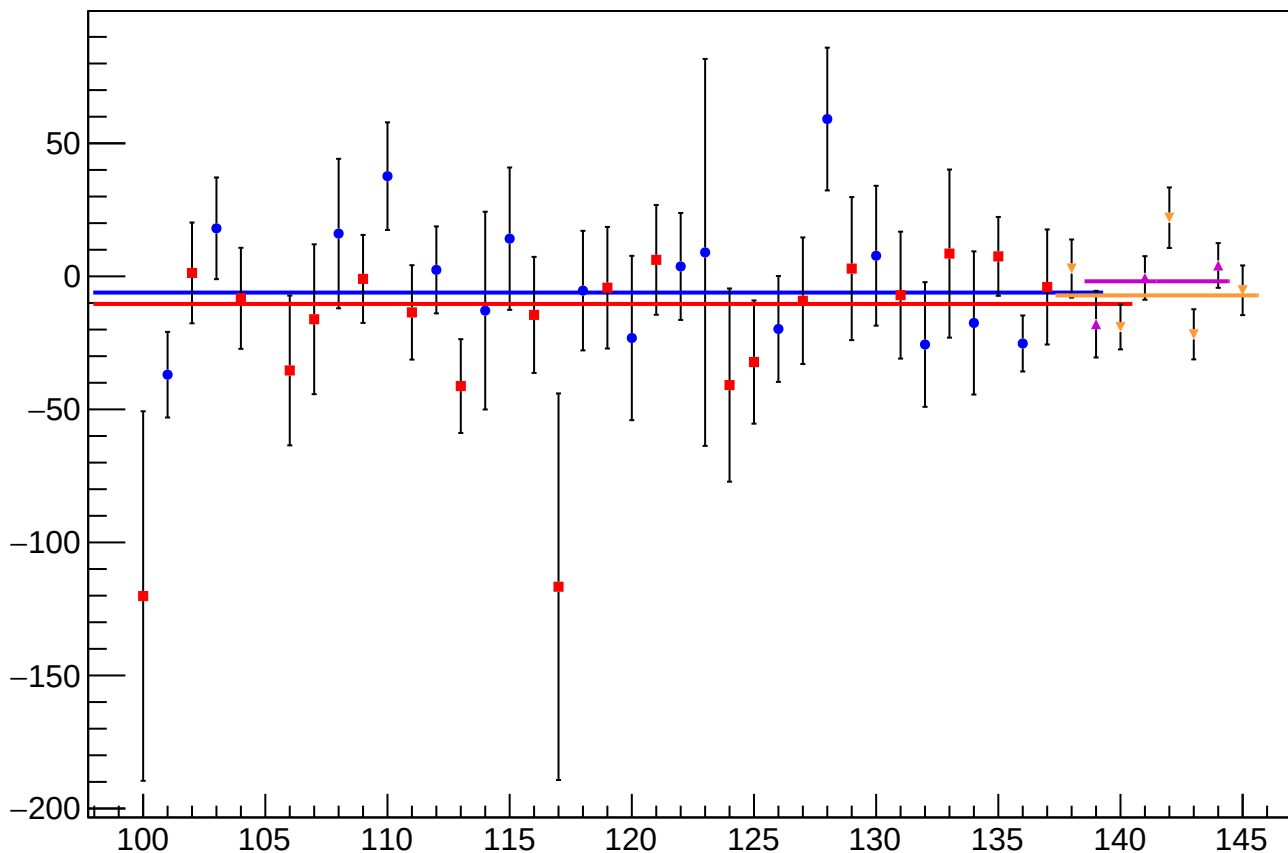
Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

Left In: 6351.784 $\pm$ 2.917 χ^2 /NDF:81181.7/2

7290.473 $\pm$ 1.666 χ^2 /NDF: 868758.2/21

7200.302 $\pm$ 1.692 χ^2 /NDF: 902125.8/22

diff_bpm4eX_mean vs Slug



Right In: -6.092 $\pm$ 5.034 χ^2 /NDF: 22.9/16

Left Out: -7.155 $\pm$ 4.345 χ^2 /NDF: 11.9/4

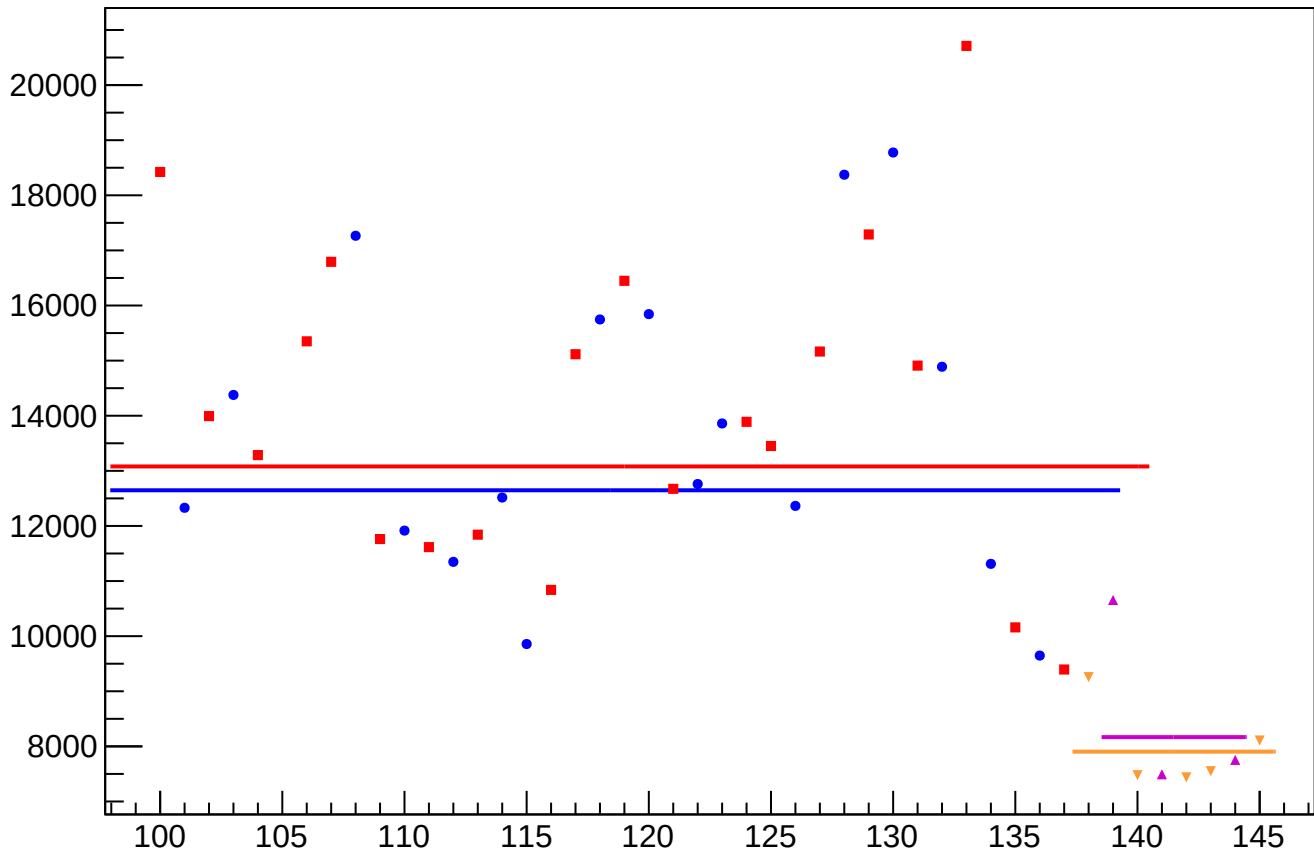
Right Out: -10.369 $\pm$ 4.992 χ^2 /NDF: 13.8/19

Left In: -1.855 $\pm$ 5.312 χ^2 /NDF: 2.2/2

-6.701 $\pm$ 3.289 χ^2 /NDF: 34.8/21

-6.376 $\pm$ 3.638 χ^2 /NDF: 17.3/22

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 7904.680+/-3.073 χ^2/NDF : 42925.7/4

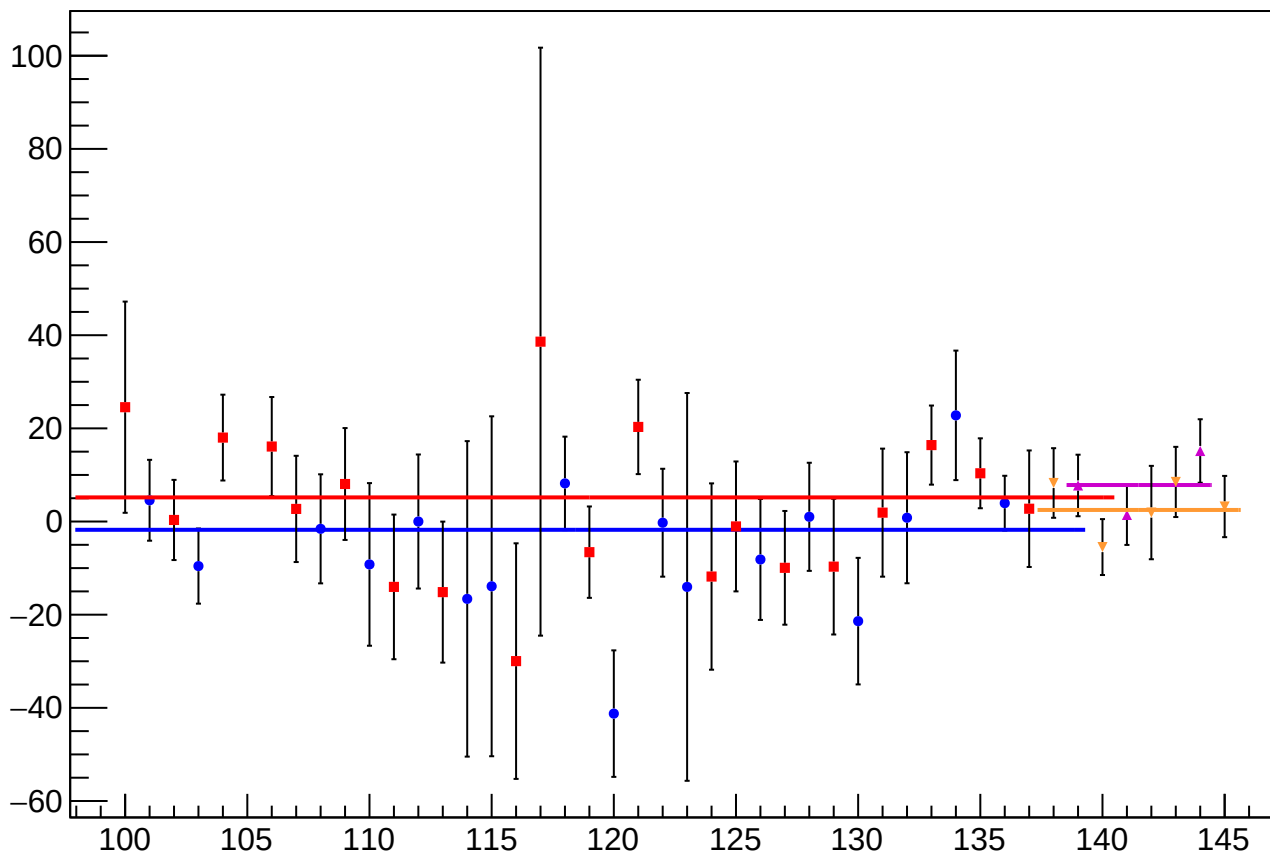
9929.710+/-2.326 χ^2/NDF : 1614543.8/21

Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

10776.322+/-2.572 χ^2/NDF : 1503371.3/22

Left In: 8168.155+/-3.756 χ^2/NDF : 97516.9/2

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 2.484 ± 3.222 χ^2/NDF : 3.0/4

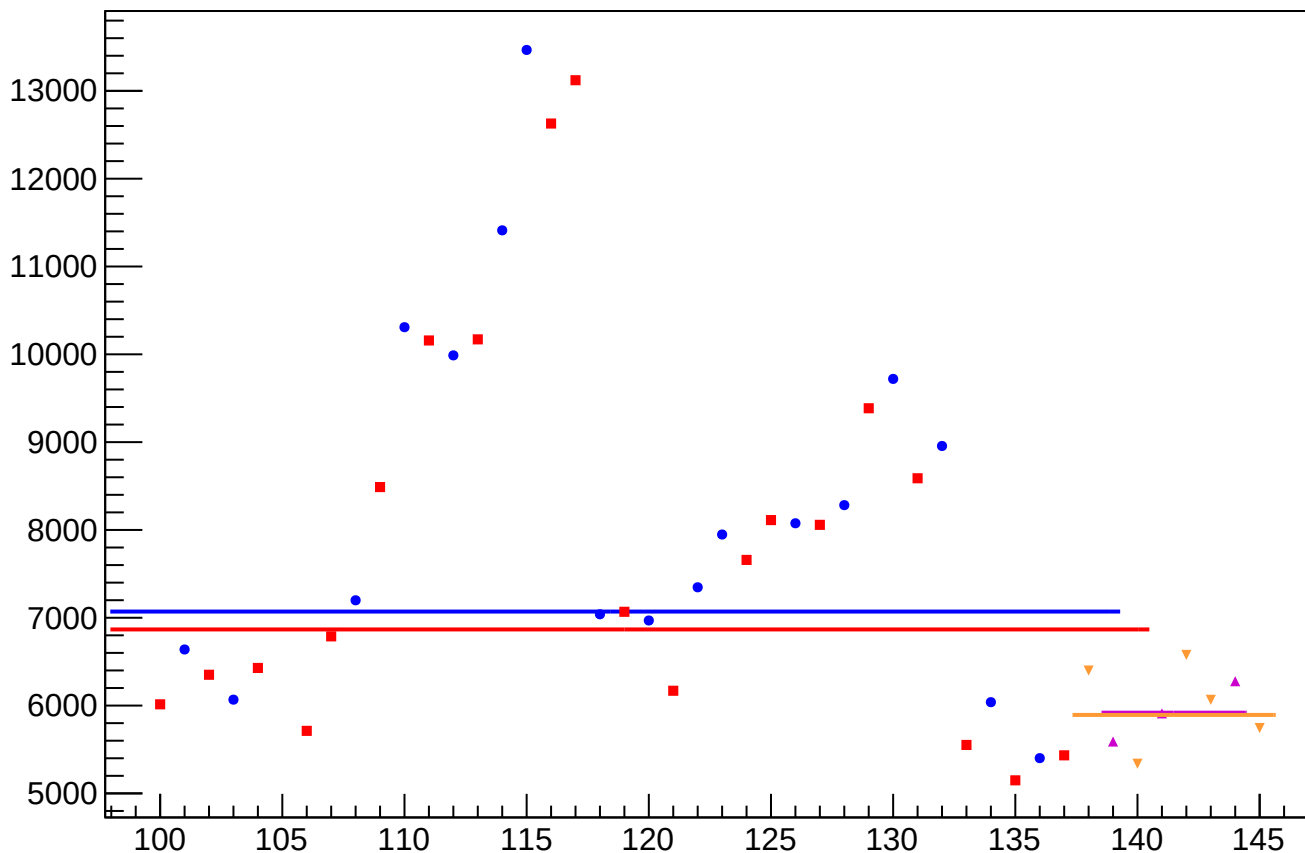
Right Out: 5.181 ± 2.640 χ^2/NDF : 19.2/19

Left In: 7.839 ± 3.818 χ^2/NDF : 2.1/2

0.061 ± 2.116 χ^2/NDF : 22.0/21

6.040 ± 2.171 χ^2/NDF : 21.7/22

diff_bpm4eY_rms vs Slug



Right In: 7070.672+/-1.984 χ^2/NDF : 601692.5/16

Left Out: 5893.569+/-2.278 χ^2/NDF : 37652.7/4

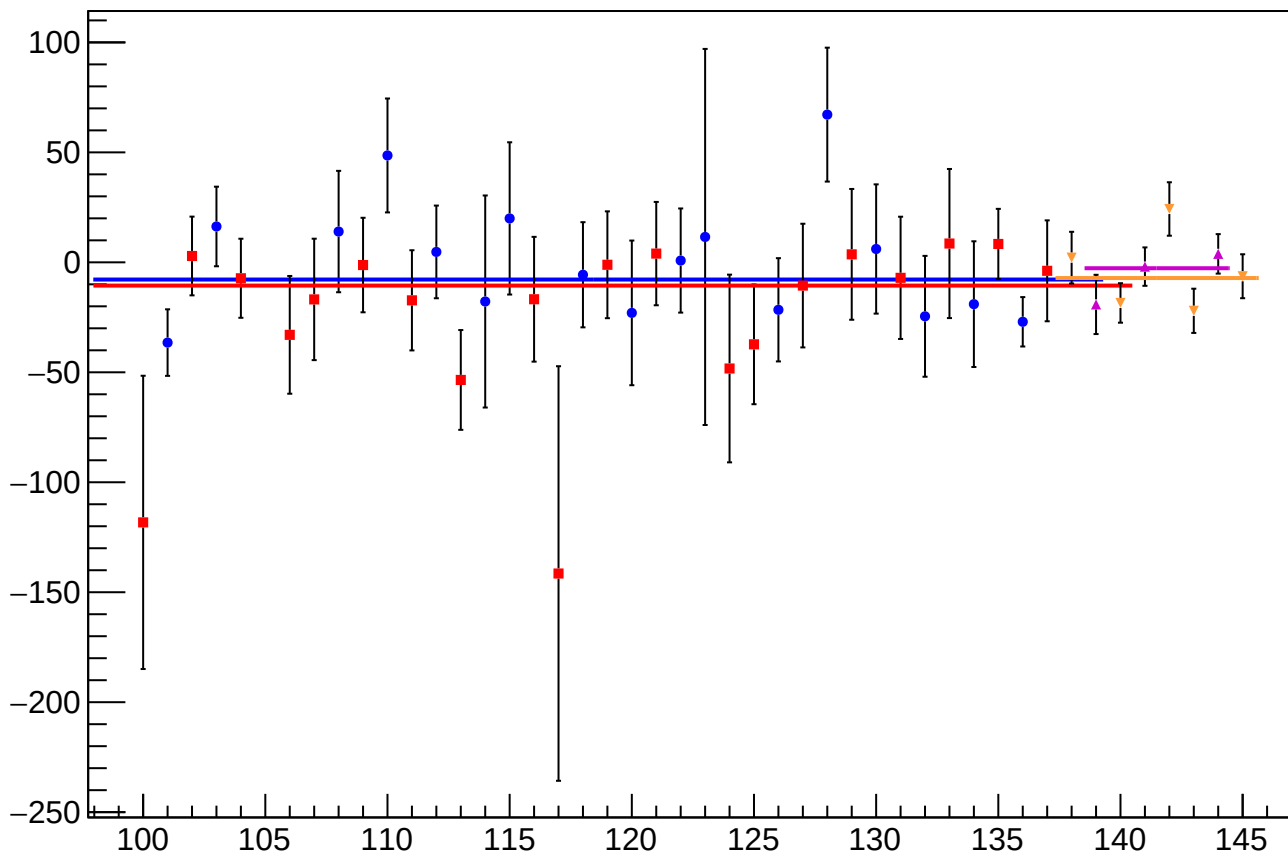
Right Out: 6867.094+/-1.866 χ^2/NDF : 701892.5/19

Left In: 5919.086+/-2.700 χ^2/NDF : 10481.0/2

6562.887+/-1.496 χ^2/NDF : 791172.8/21

6560.525+/-1.535 χ^2/NDF : 795800.0/22

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -7.146 ± 4.645 χ^2/NDF : 11.1/4

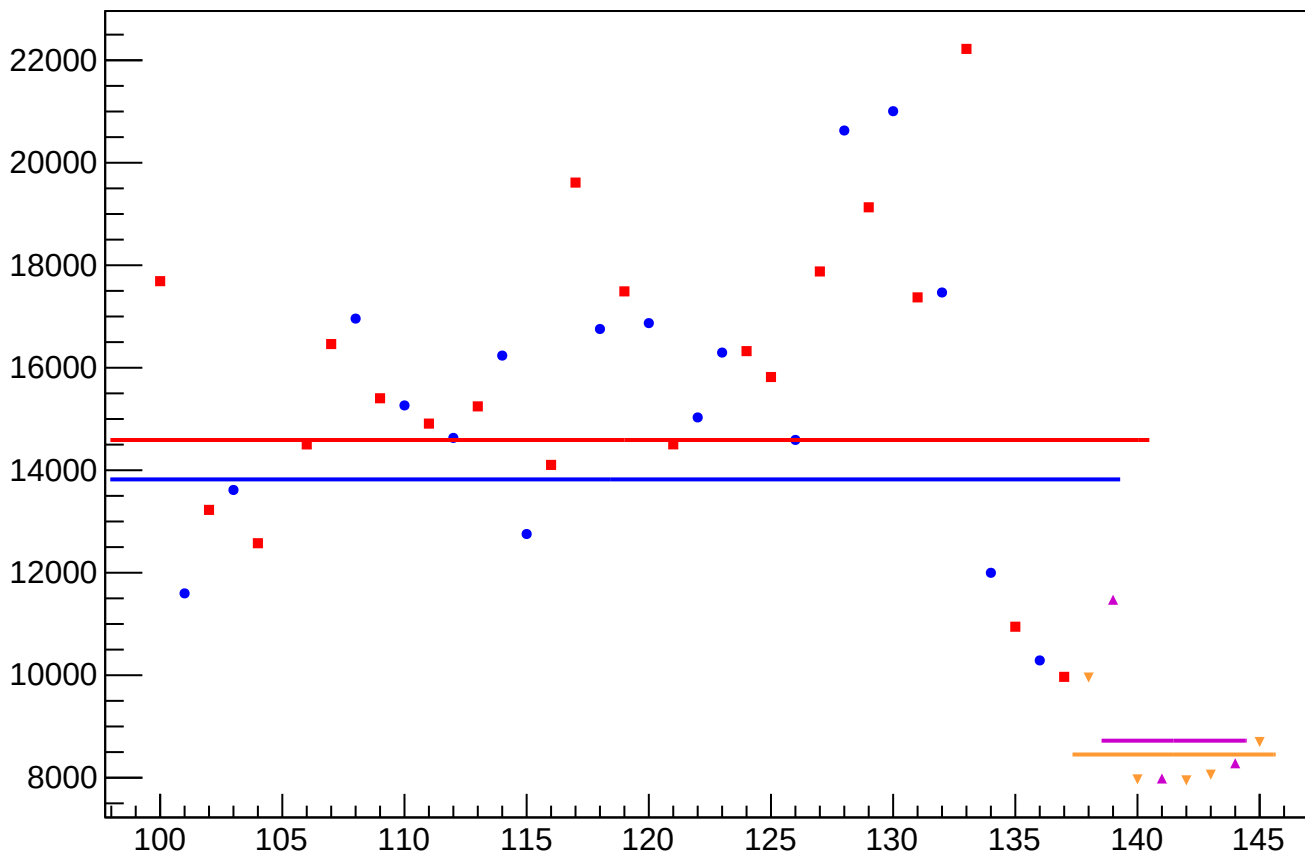
Right Out: -10.574 ± 5.561 χ^2/NDF : 14.1/19

Left In: -2.681 ± 5.675 χ^2/NDF : 2.0/2

-7.428 ± 3.553 χ^2/NDF : 33.4/21

-6.707 ± 3.972 χ^2/NDF : 17.1/22

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 8452.762+/-3.285 χ^2/NDF : 46226.4/4

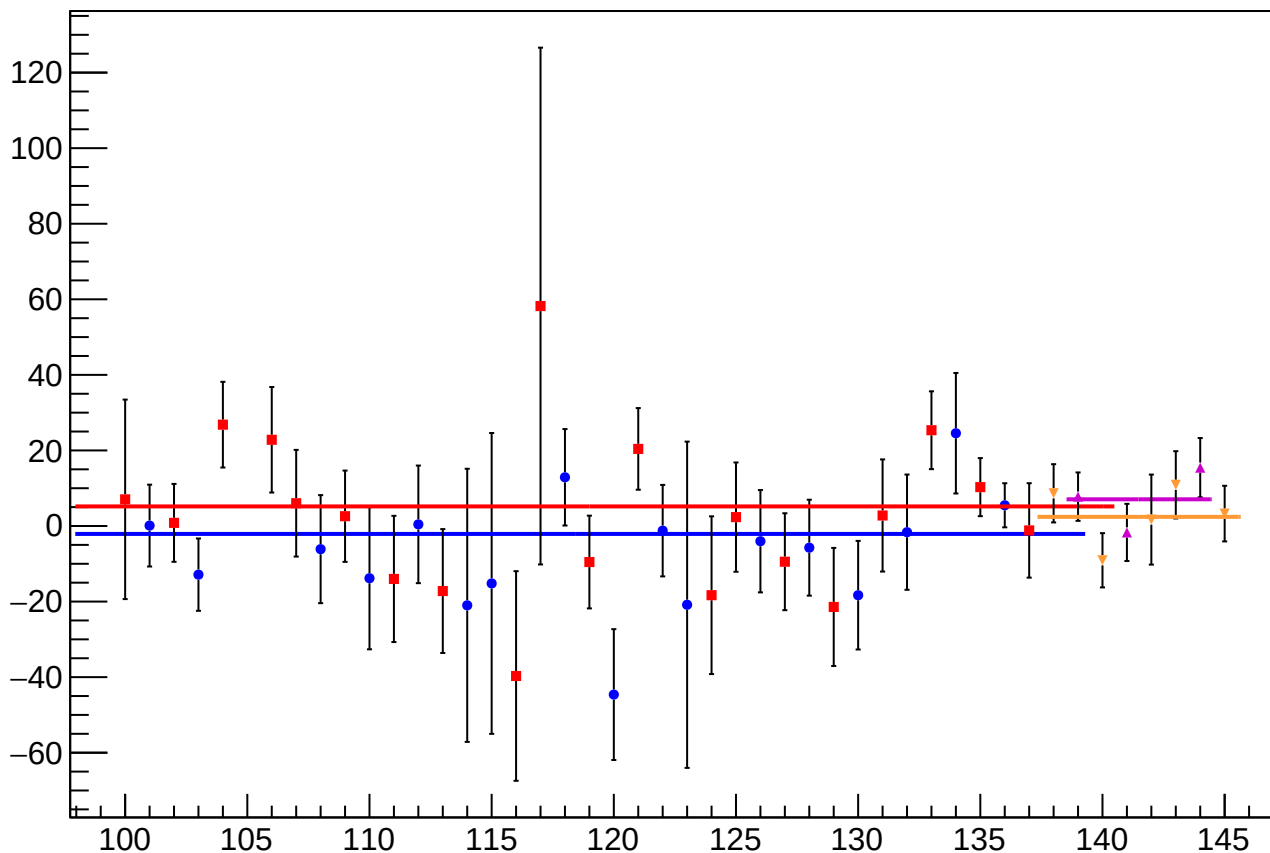
Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

Left In: 8723.017+/-4.013 χ^2/NDF : 102485.0/2

10680.469+/-2.512 χ^2/NDF : 1757301.3/21

11716.033+/-2.809 χ^2/NDF : 1670956.0/22

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 2.419 ± 3.668 $\chi^2/\text{NDF}: 4.1/4$

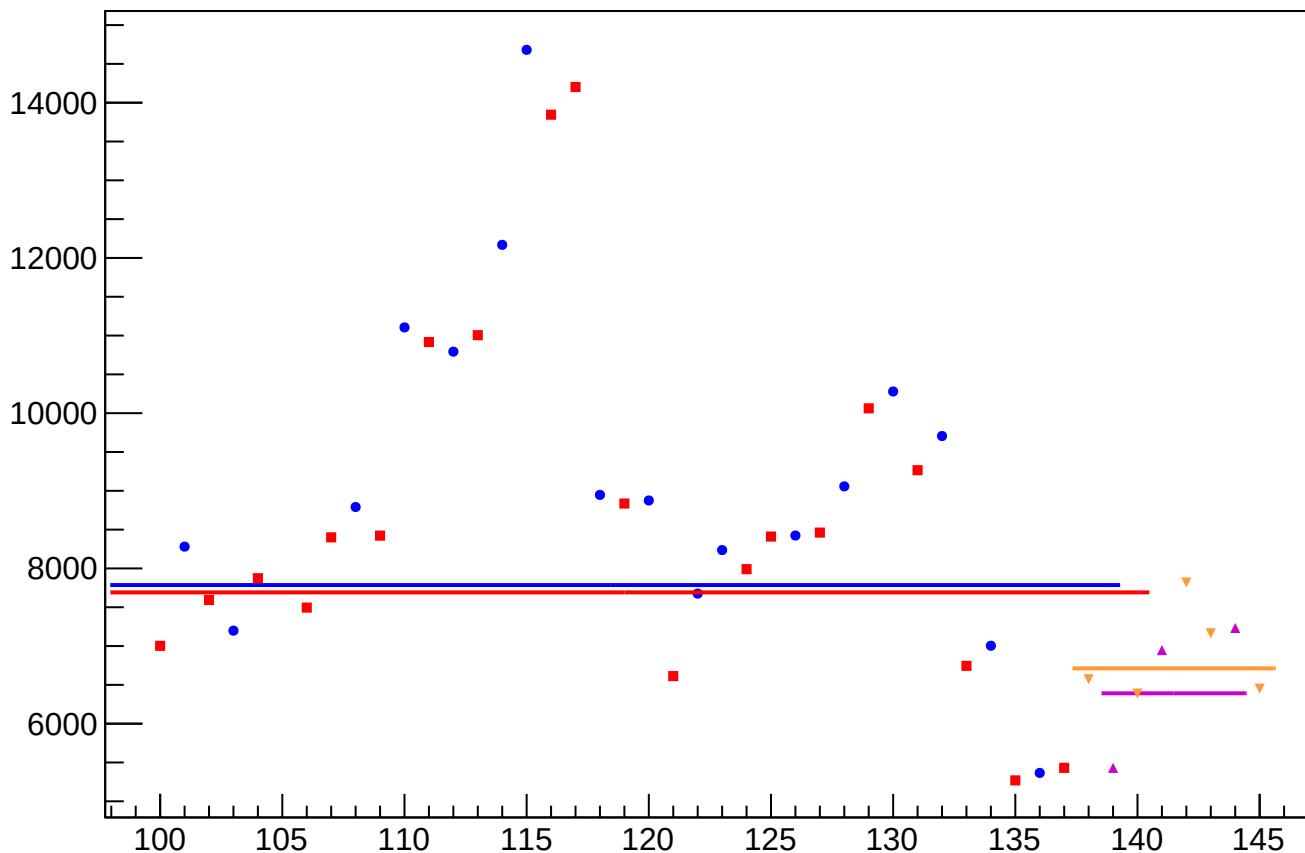
Right Out: 5.184 ± 2.959 $\chi^2/\text{NDF}: 25.4/19$

Left In: 7.066 ± 4.149 $\chi^2/\text{NDF}: 2.5/2$

-0.211 ± 2.370 $\chi^2/\text{NDF}: 20.7/21$

5.819 ± 2.409 $\chi^2/\text{NDF}: 28.0/22$

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 6712.399+/-2.593 χ^2/NDF : 29657.3/4

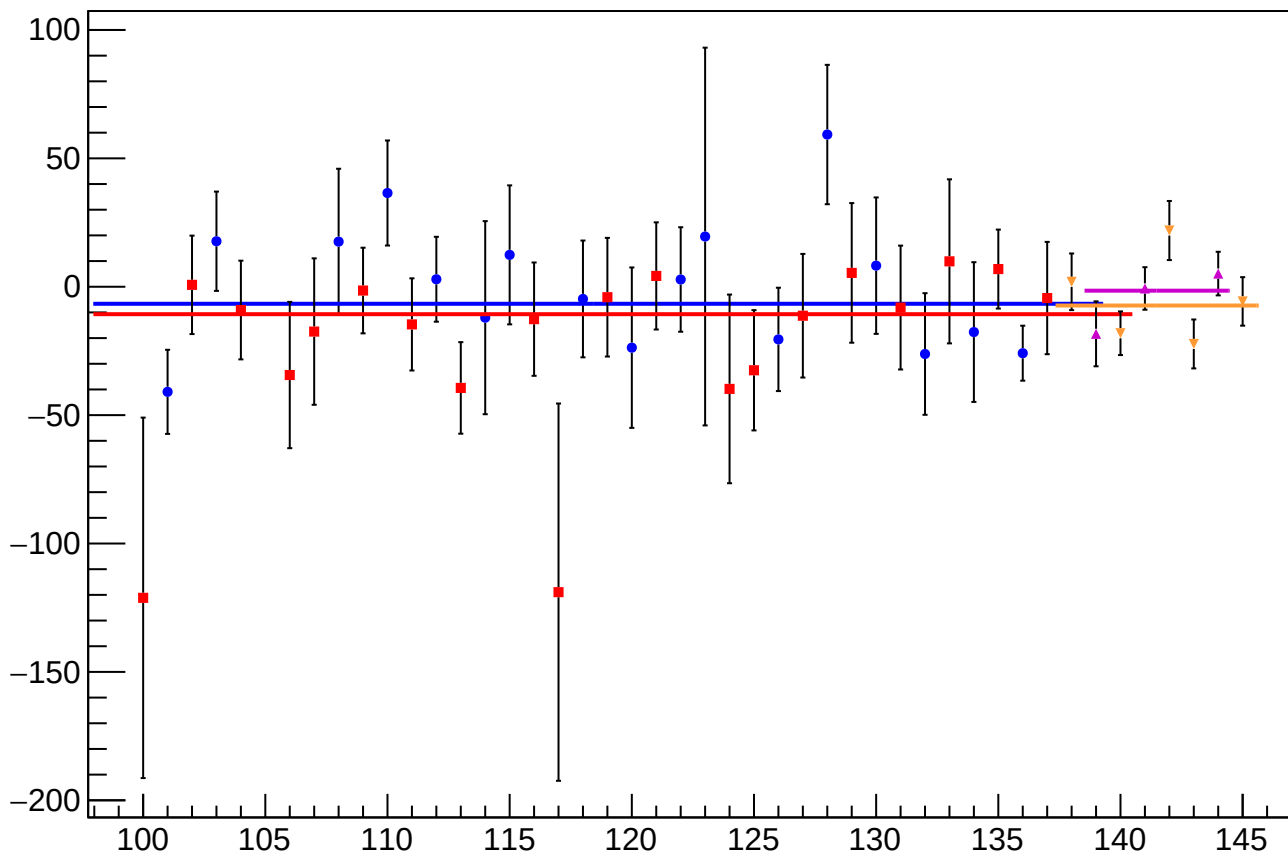
Right Out: 7691.398+/-2.093 χ^2/NDF : 686898.9/19

Left In: 6391.245+/-2.934 χ^2/NDF : 78845.2/2

7337.472+/-1.676 χ^2/NDF : 867536.6/21

7253.016+/-1.704 χ^2/NDF : 895899.4/22

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -7.312 ± 4.391 $\chi^2/\text{NDF}: 11.3/4$

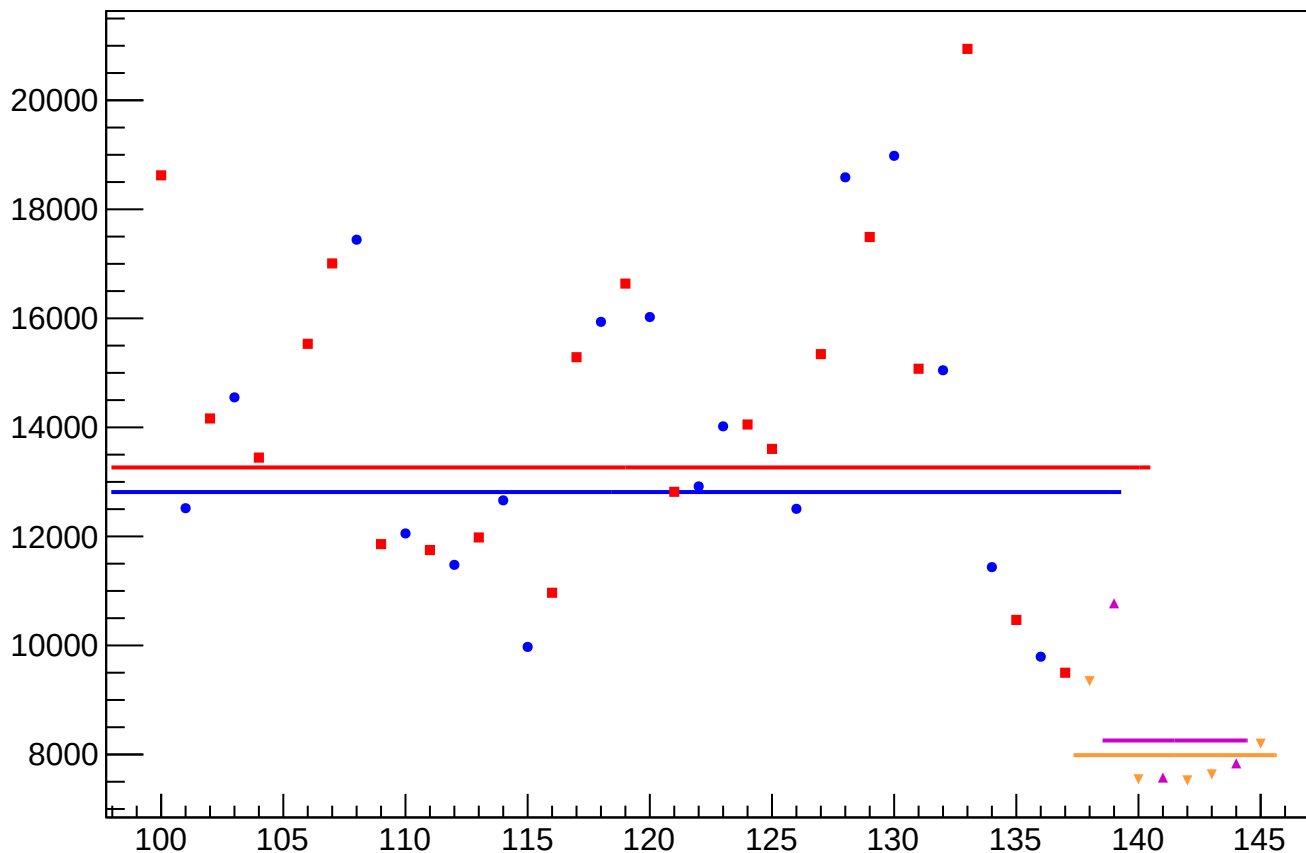
Right Out: -10.688 ± 5.063 $\chi^2/\text{NDF}: 13.0/19$

Left In: -1.533 ± 5.369 $\chi^2/\text{NDF}: 2.4/2$

-7.024 ± 3.328 $\chi^2/\text{NDF}: 34.7/21$

-6.380 ± 3.684 $\chi^2/\text{NDF}: 16.9/22$

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 7987.921+/-3.105 χ^2/NDF : 42656.3/4

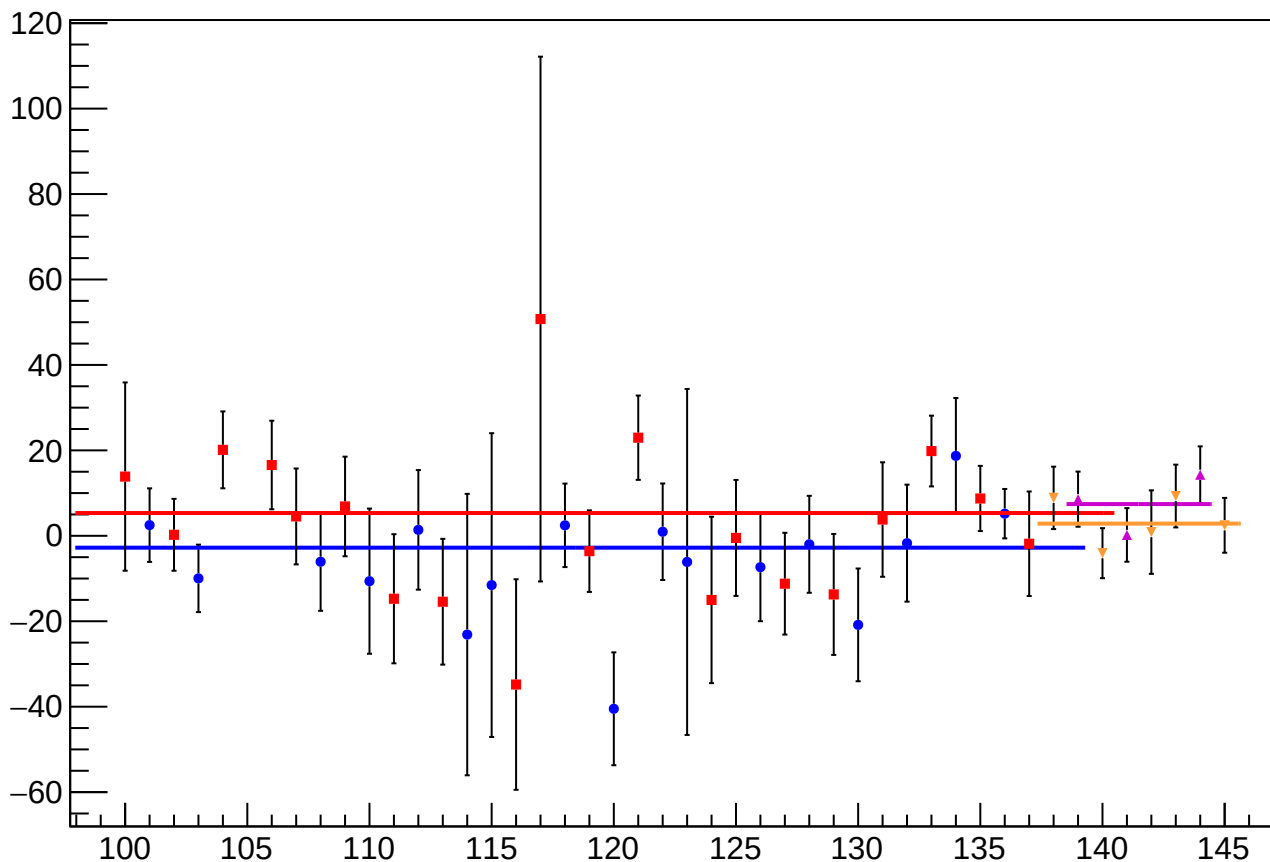
Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

Left In: 8256.595+/-3.797 χ^2/NDF : 97505.0/2

10041.700+/-2.353 χ^2/NDF : 1618871.3/21

10907.966+/-2.605 χ^2/NDF : 1504566.2/22

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 2.855 ± 3.143 χ^2/NDF : 2.9/4

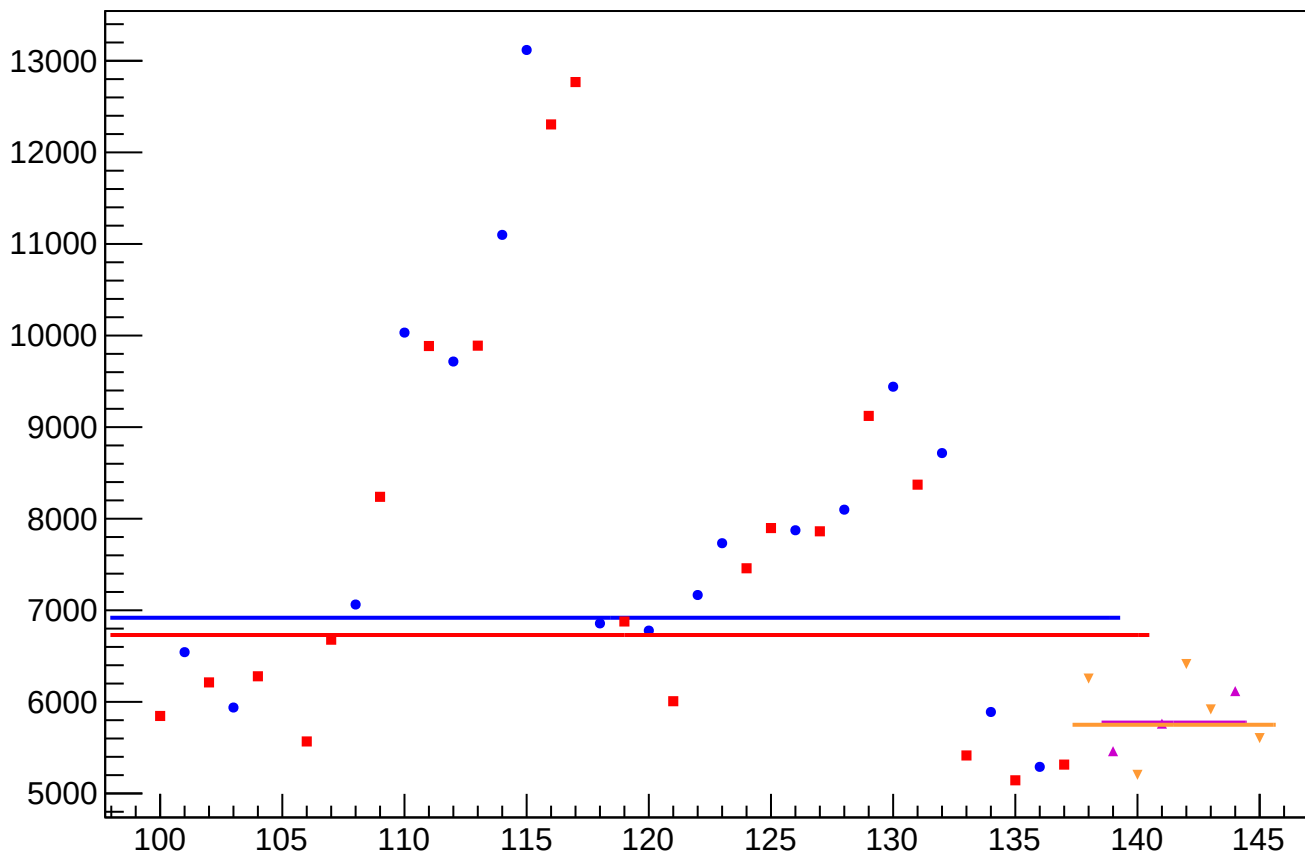
Right Out: 5.332 ± 2.587 χ^2/NDF : 24.1/19

Left In: 7.427 ± 3.724 χ^2/NDF : 2.4/2

-0.339 ± 2.068 χ^2/NDF : 21.7/21

6.014 ± 2.125 χ^2/NDF : 26.7/22

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 5749.981+/-2.223 χ^2/NDF : 38279.3/4

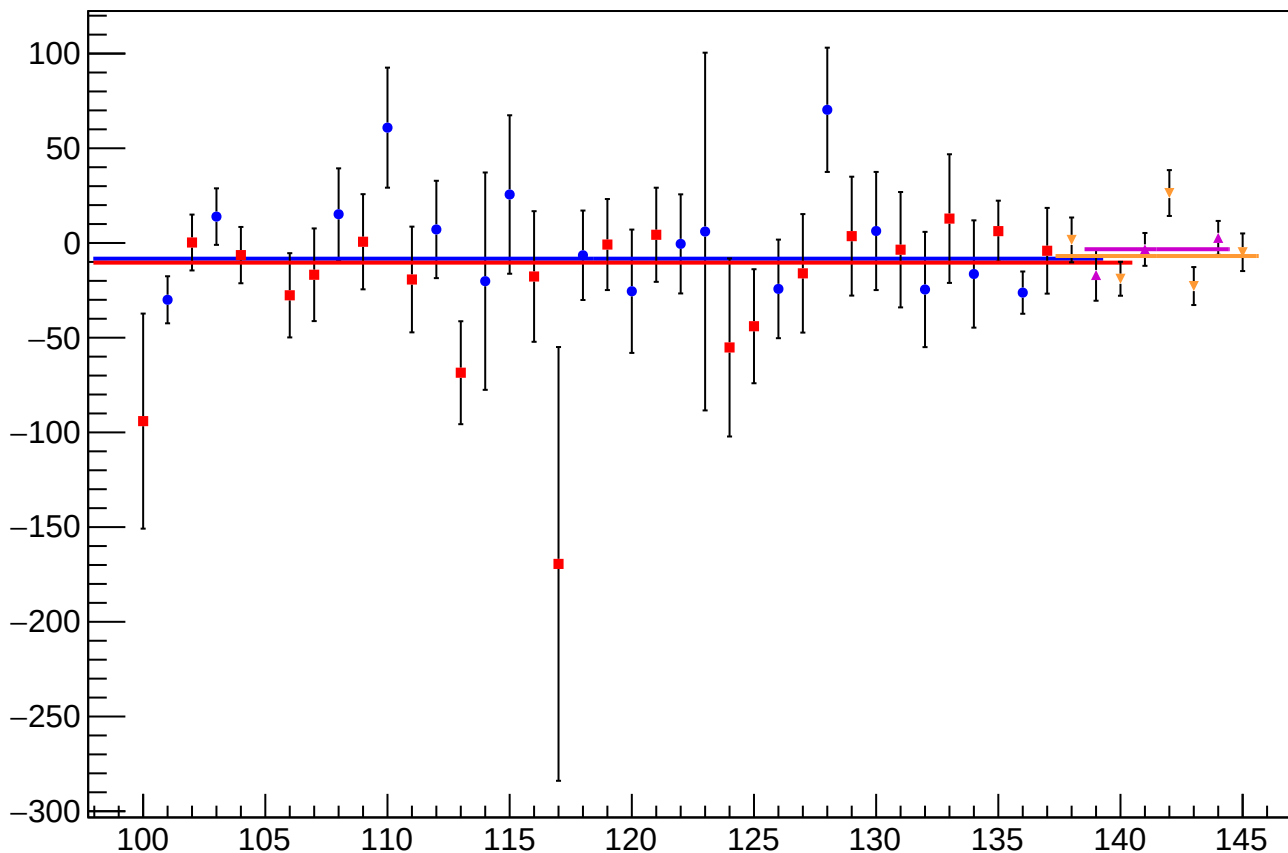
Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

Left In: 5773.929+/-2.634 χ^2/NDF : 10056.9/2

6412.478+/-1.463 χ^2/NDF : 782982.1/21

6418.880+/-1.503 χ^2/NDF : 772170.0/22

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -6.883 ± 4.635 $\chi^2/\text{NDF}: 12.4/4$

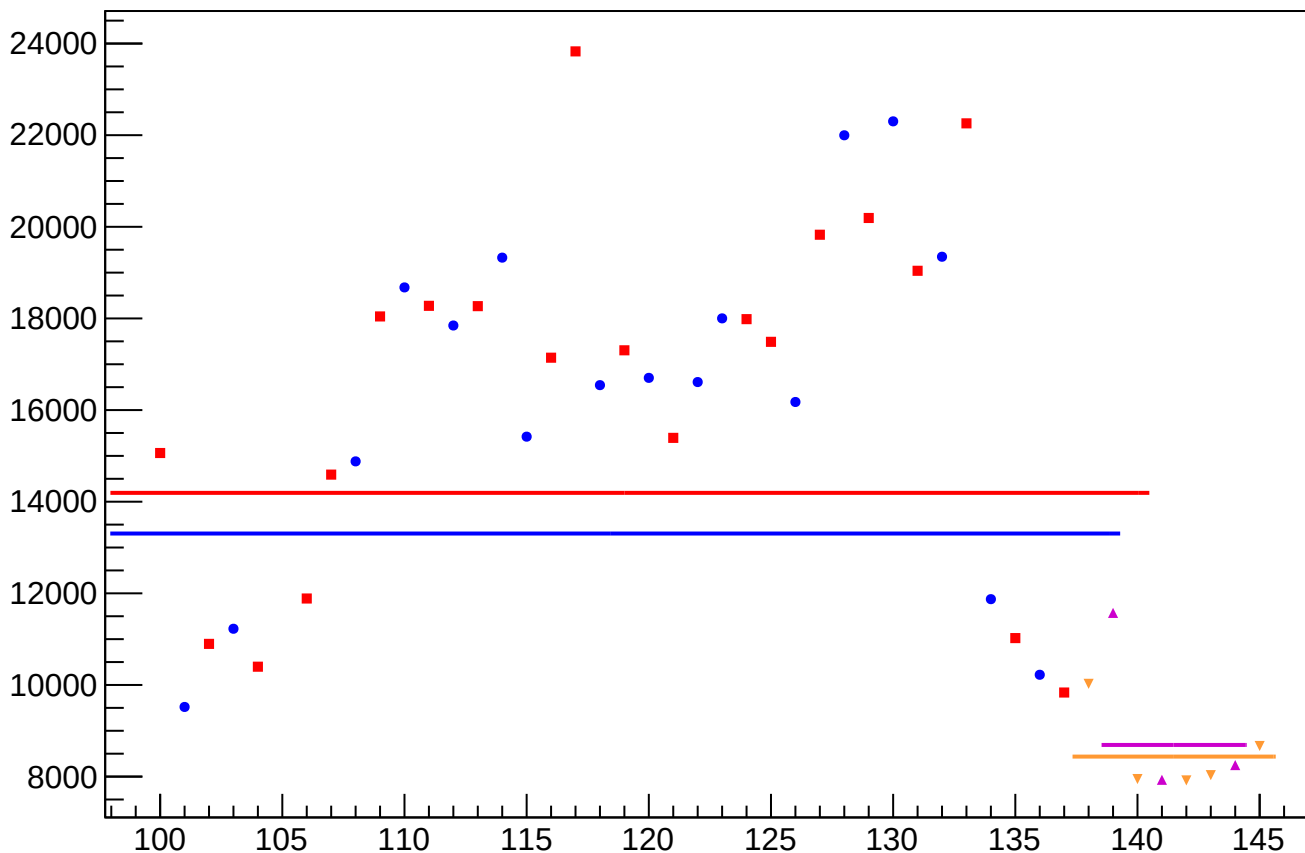
Right Out: -10.376 ± 5.507 $\chi^2/\text{NDF}: 14.8/19$

Left In: -3.292 ± 5.660 $\chi^2/\text{NDF}: 1.5/2$

-7.477 ± 3.520 $\chi^2/\text{NDF}: 34.2/21$

-6.931 ± 3.947 $\chi^2/\text{NDF}: 17.1/22$

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8436.623+/-3.278 χ^2/NDF : 50067.5/4

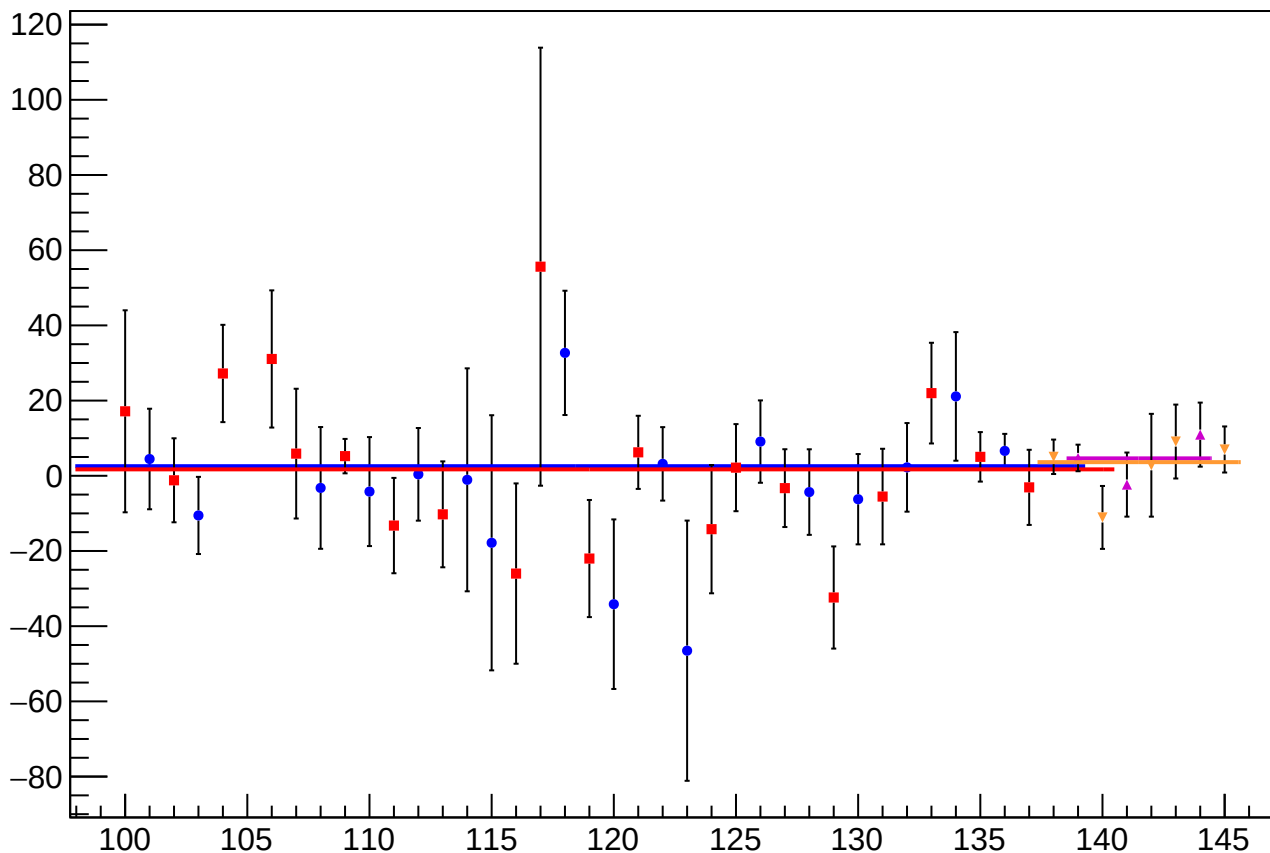
10497.780+/-2.489 χ^2/NDF : 2028217.1/21

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

11517.191+/-2.791 χ^2/NDF : 2026051.5/22

Left In: 8690.821+/-4.002 χ^2/NDF : 110203.6/2

diff_bpm1Y_mean vs Slug



Right In: 2.551 $\pm$ 2.757 χ^2 /NDF: 13.6/16

Left Out: 3.628 $\pm$ 3.097 χ^2 /NDF: 3.8/4

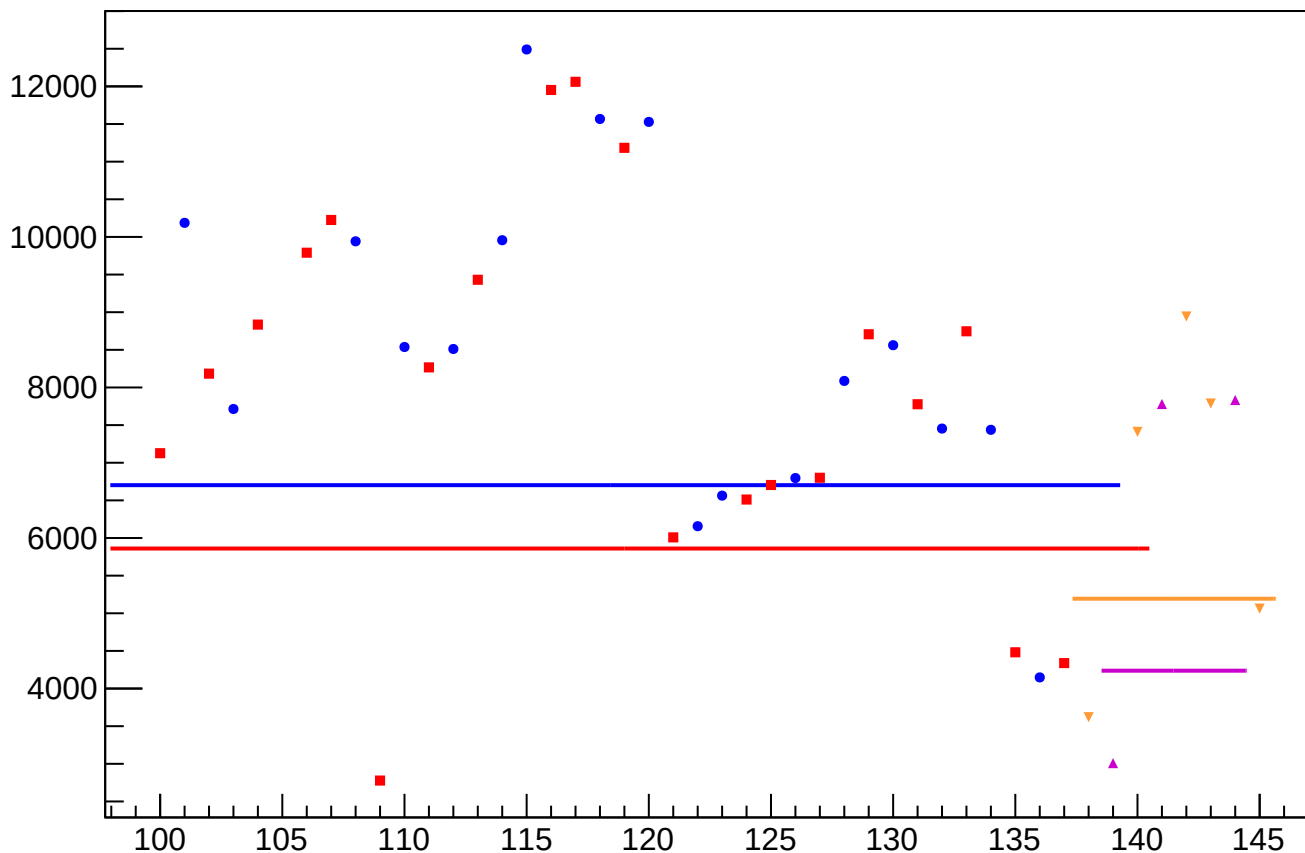
Right Out: 1.708 $\pm$ 2.440 χ^2 /NDF: 24.9/19

Left In: 4.632 $\pm$ 3.049 χ^2 /NDF: 1.2/2

3.027 $\pm$ 2.059 χ^2 /NDF: 17.5/21

2.850 $\pm$ 1.905 χ^2 /NDF: 26.6/22

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5193.643+/-2.190 χ^2/NDF : 667210.5/4

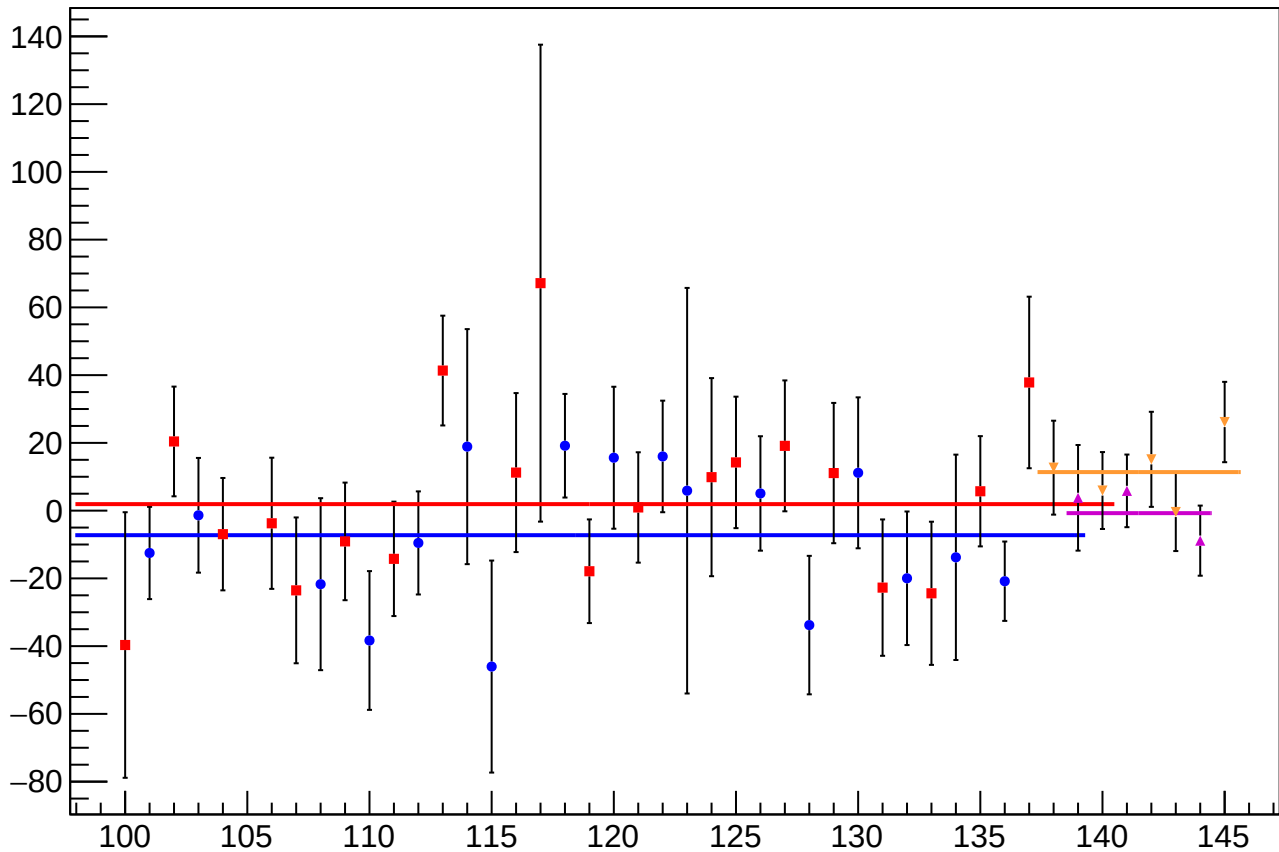
Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

Left In: 4237.331+/-2.156 χ^2/NDF : 943416.3/2

6035.227+/-1.456 χ^2/NDF : 2321976.8/21

5226.643+/-1.347 χ^2/NDF : 3590162.2/22

diff_bpm11X_mean vs Slug



Right In: -7.245+/-4.547 χ^2/NDF : 15.9/16

Left Out: 11.381+/-5.532 χ^2/NDF : 2.9/4

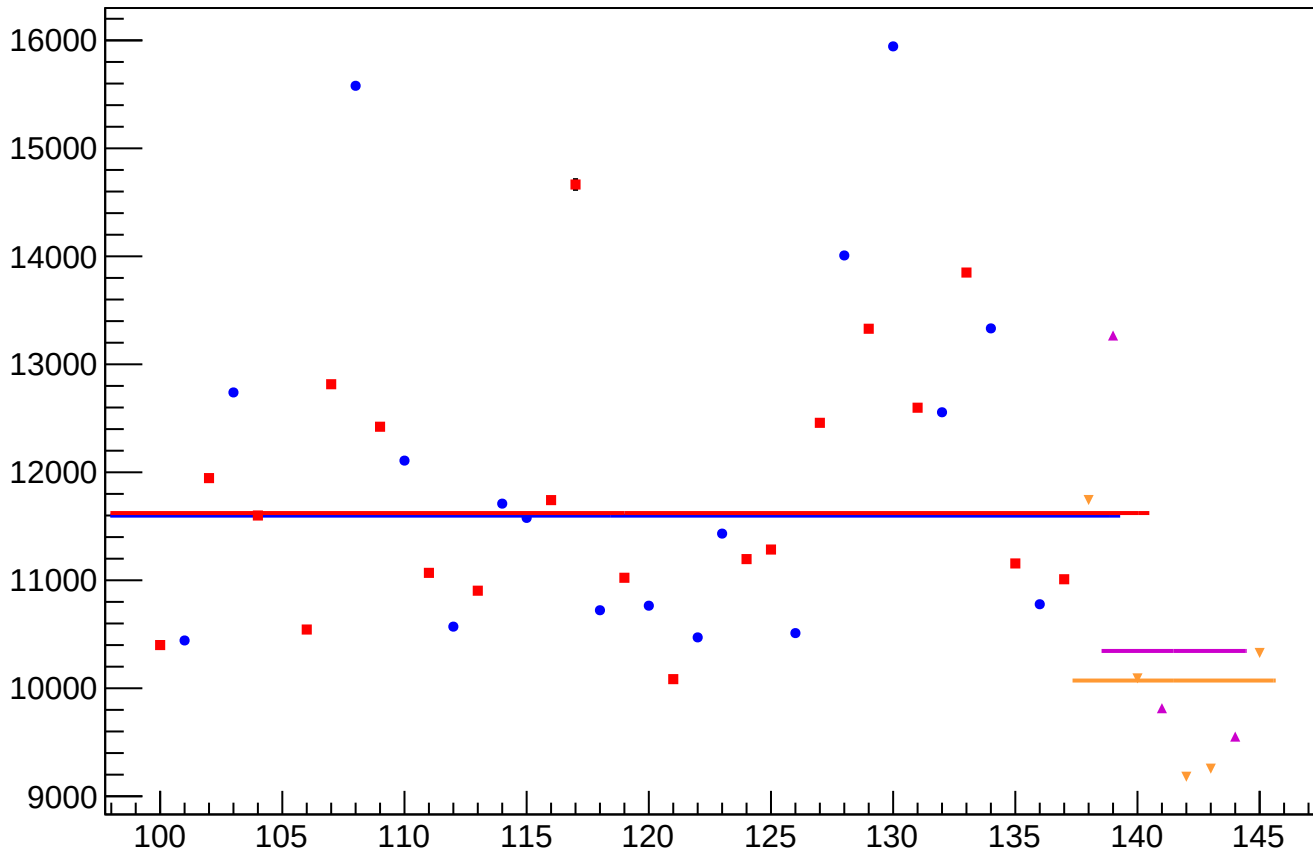
Right Out: 1.922+/-4.365 χ^2/NDF : 20.7/19

Left In: -0.740+/-6.720 χ^2/NDF : 1.1/2

0.265+/-3.513 χ^2/NDF : 25.6/21

1.133+/-3.660 χ^2/NDF : 21.9/22

diff_bpm11X_rms vs Slug



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 10071.635+/-3.912 χ^2/NDF : 48091.8/4

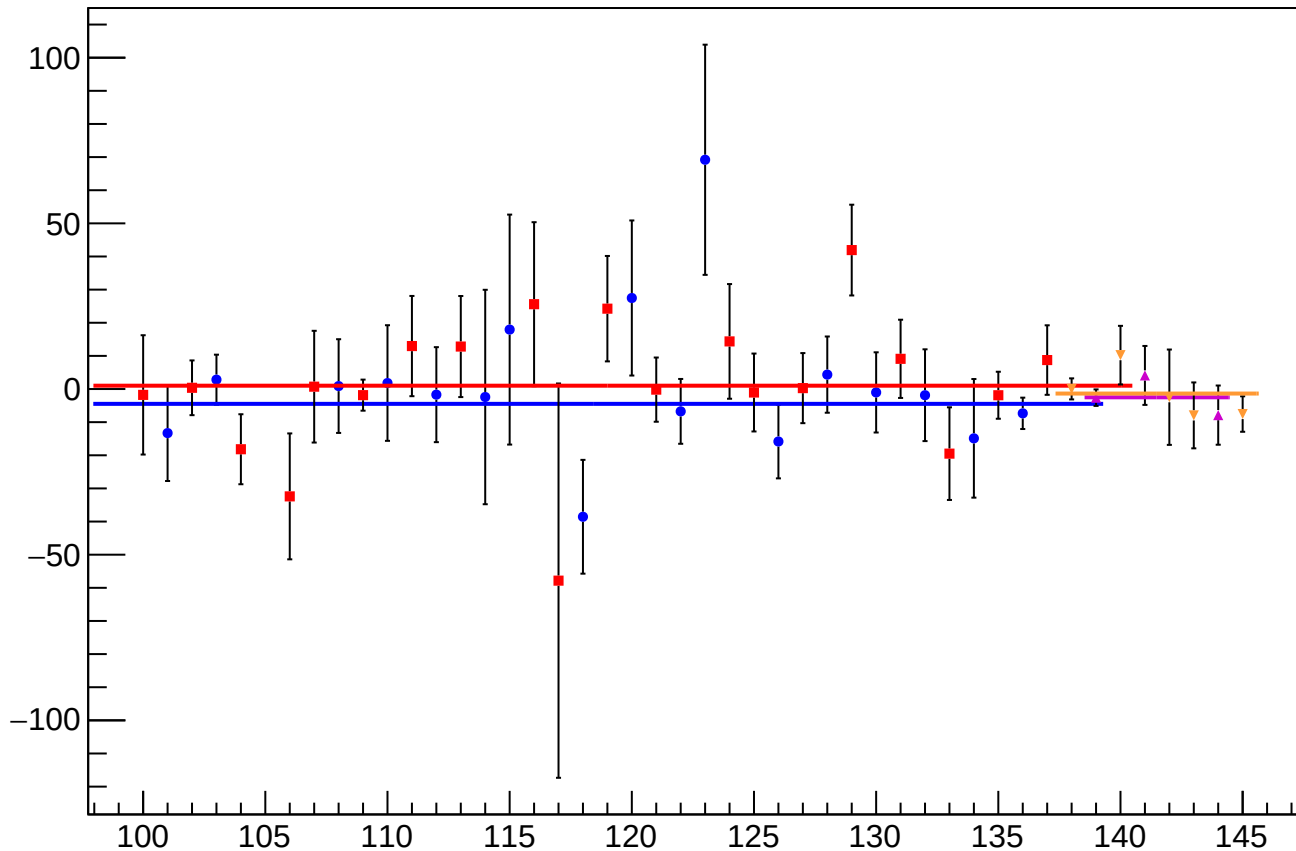
10983.037+/-2.484 χ^2/NDF : 374474.5/21

Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

11243.787+/-2.588 χ^2/NDF : 235826.8/22

Left In: 10345.674+/-4.752 χ^2/NDF : 86831.3/2

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 $\chi^2/\text{NDF}: 14.8/16$

Left Out: -1.366 ± 2.487 $\chi^2/\text{NDF}: 3.7/4$

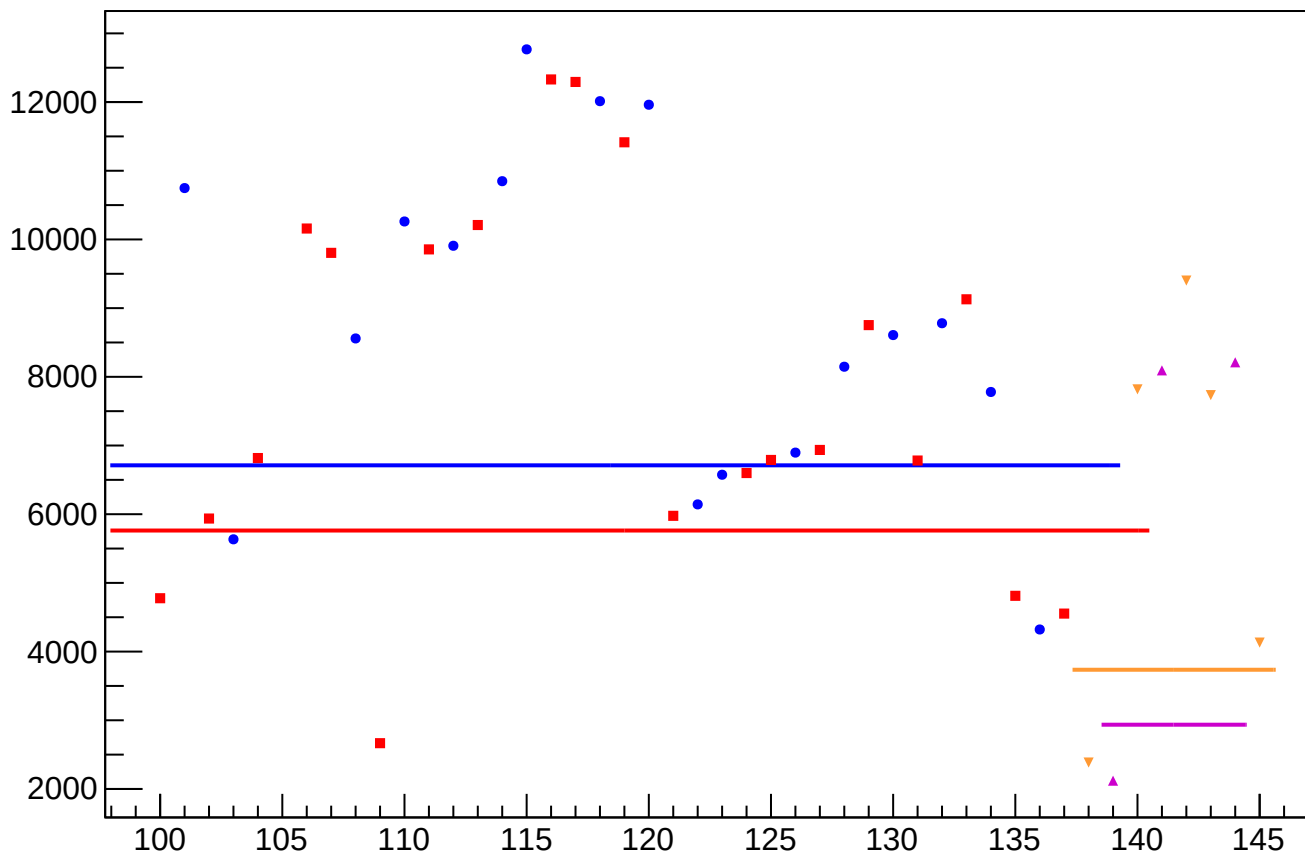
Right Out: 1.007 ± 2.427 $\chi^2/\text{NDF}: 25.0/19$

Left In: -2.505 ± 2.317 $\chi^2/\text{NDF}: 0.9/2$

-2.747 ± 1.854 $\chi^2/\text{NDF}: 19.2/21$

-0.831 ± 1.676 $\chi^2/\text{NDF}: 27.0/22$

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 3735.564+/-1.759 χ^2/NDF : 1431780.0/4

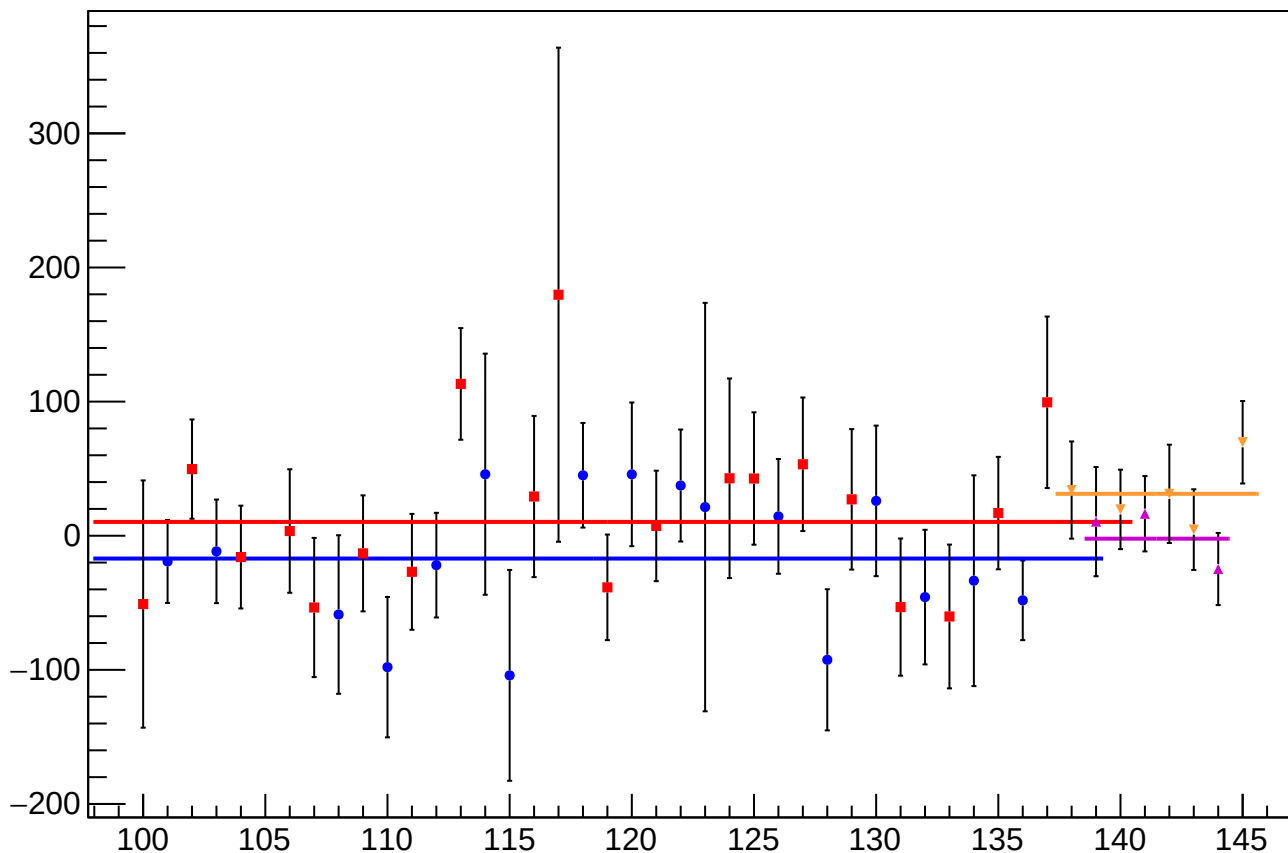
Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

Left In: 2935.464+/-1.638 χ^2/NDF : 1584330.4/2

5057.715+/-1.311 χ^2/NDF : 4150891.0/21

4283.229+/-1.185 χ^2/NDF : 5193407.2/22

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 $\chi^2/\text{NDF}: 15.0/16$

Left Out: 31.261 ± 14.419 $\chi^2/\text{NDF}: 2.5/4$

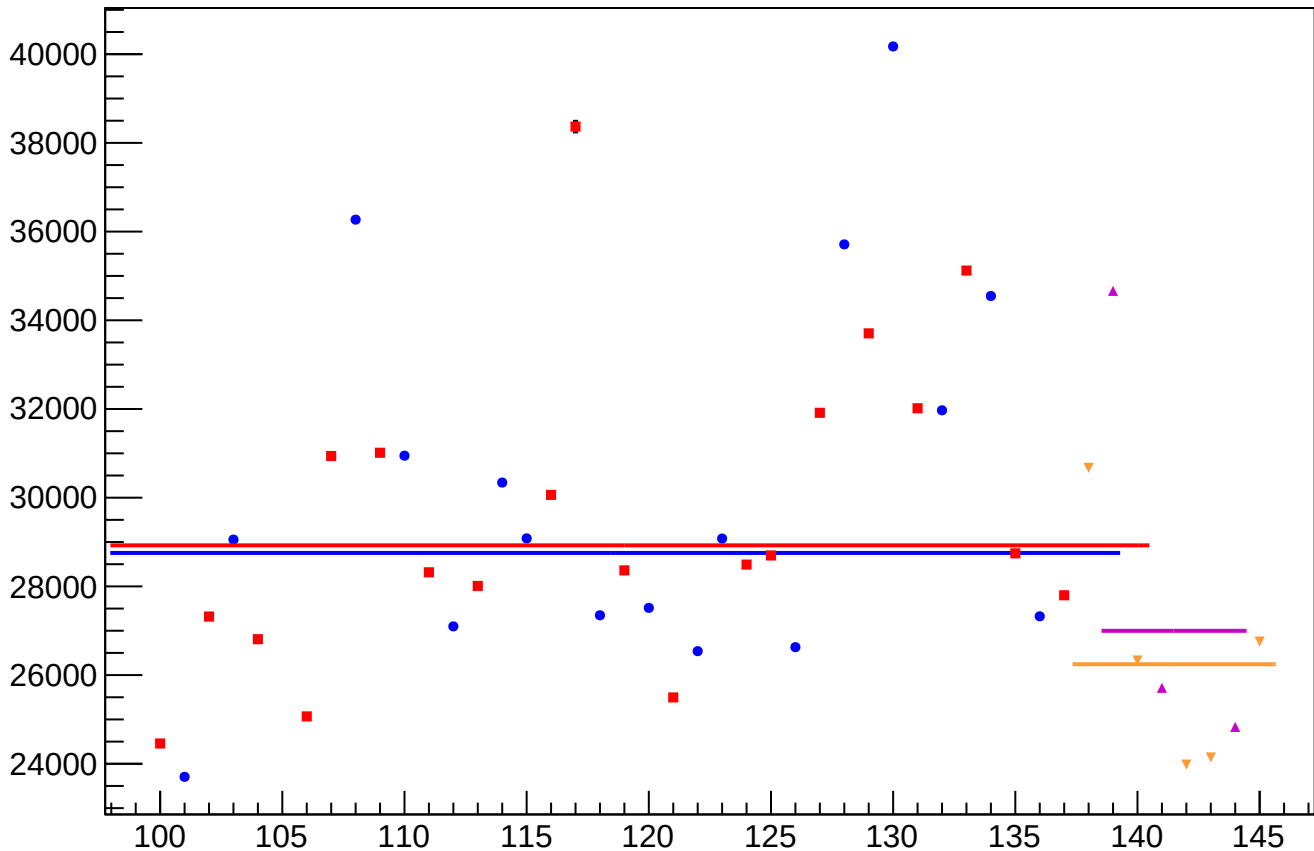
Right Out: 10.311 ± 10.872 $\chi^2/\text{NDF}: 19.9/19$

Left In: -2.196 ± 17.537 $\chi^2/\text{NDF}: 1.2/2$

1.330 ± 8.888 $\chi^2/\text{NDF}: 24.4/21$

6.839 ± 9.240 $\chi^2/\text{NDF}: 21.5/22$

diff_bpm12X_rms vs Slug



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 26244.208+/-10.196 χ^2/NDF : 47825.7/4

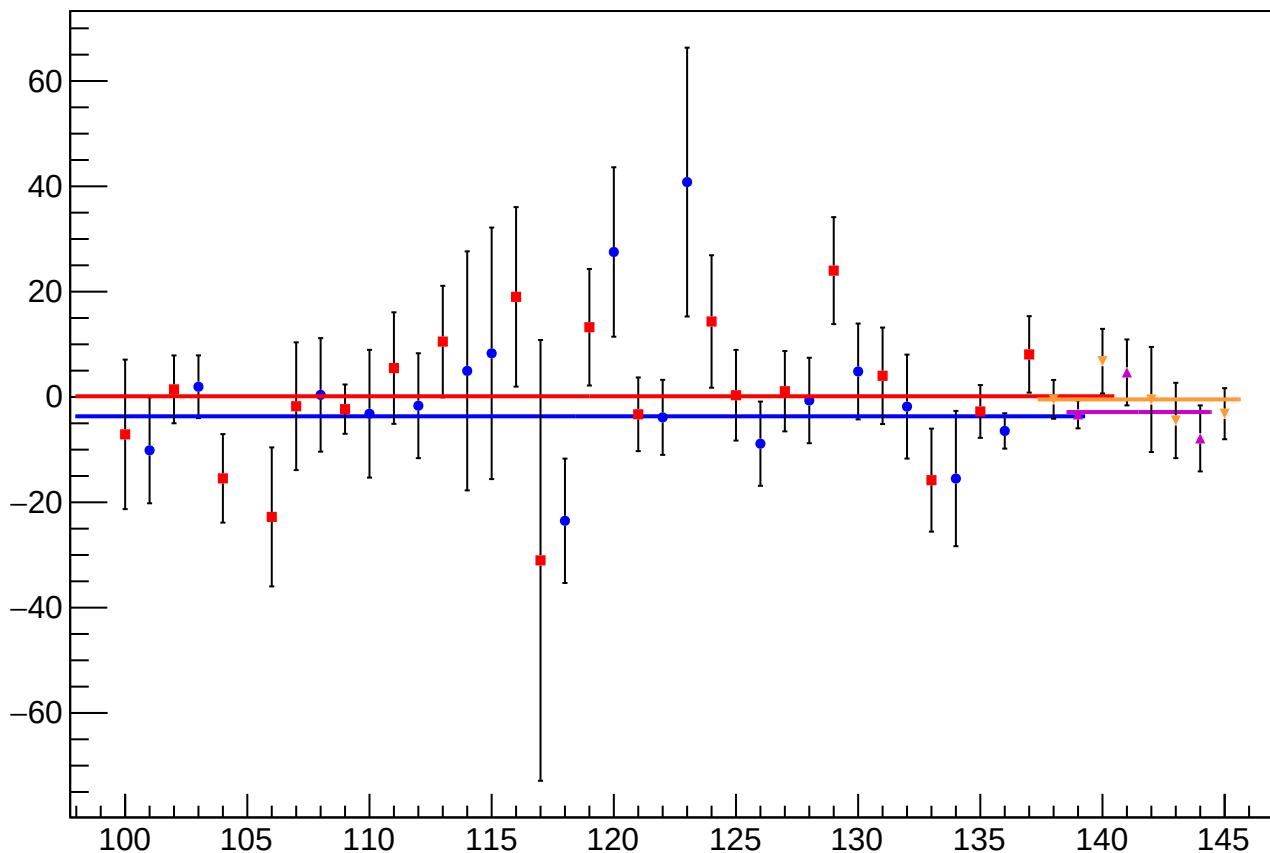
Right Out: 28925.160+/-7.687 χ^2/NDF : 116514.7/19

Left In: 26998.290+/-12.401 χ^2/NDF : 88022.2/2

27800.299+/-6.285 χ^2/NDF : 334605.6/21

28390.242+/-6.534 χ^2/NDF : 221978.1/22

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.459 ± 2.409 χ^2/NDF : 2.0/4

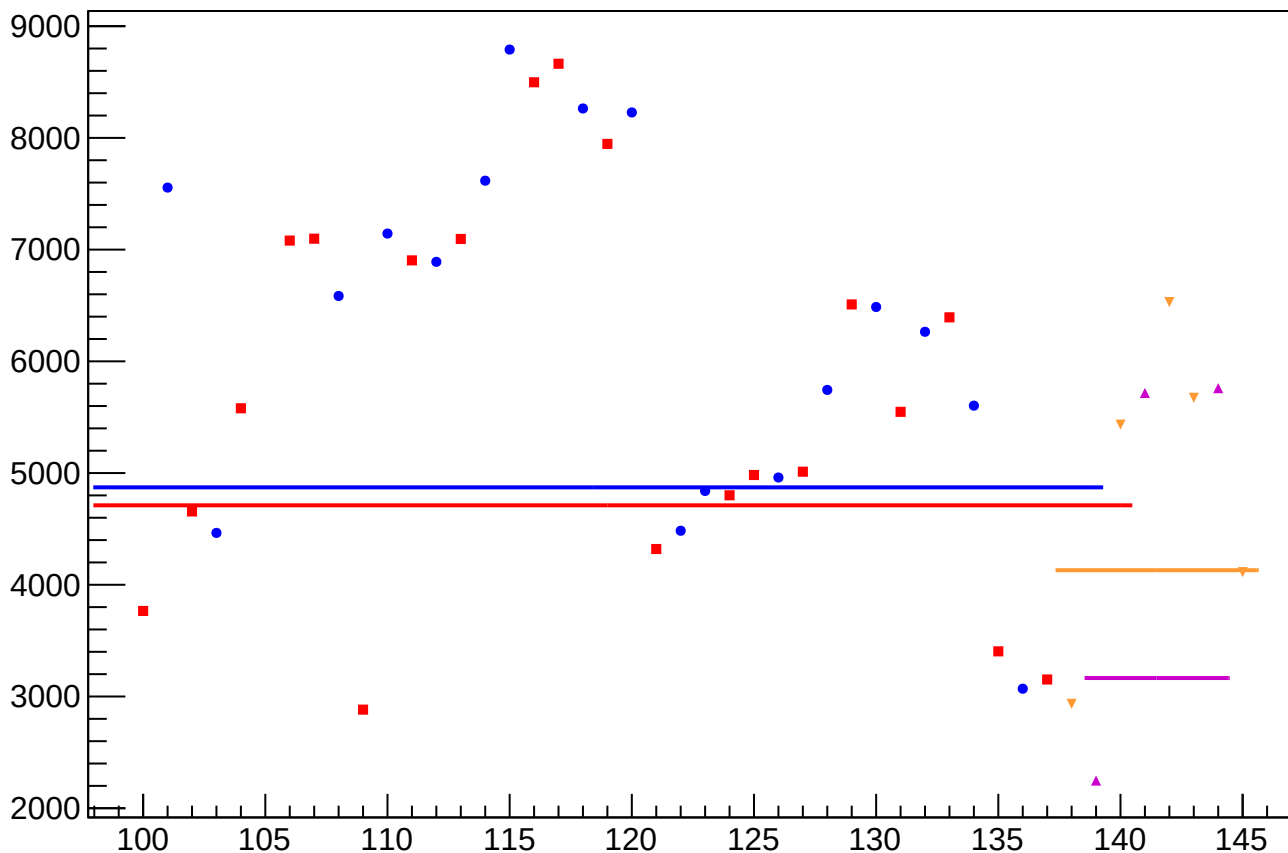
Right Out: 0.135 ± 1.891 χ^2/NDF : 22.9/19

Left In: -2.859 ± 2.272 χ^2/NDF : 2.1/2

-2.351 ± 1.543 χ^2/NDF : 17.6/21

-1.090 ± 1.453 χ^2/NDF : 26.0/22

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4130.440+/-1.703 χ^2/NDF : 509855.0/4

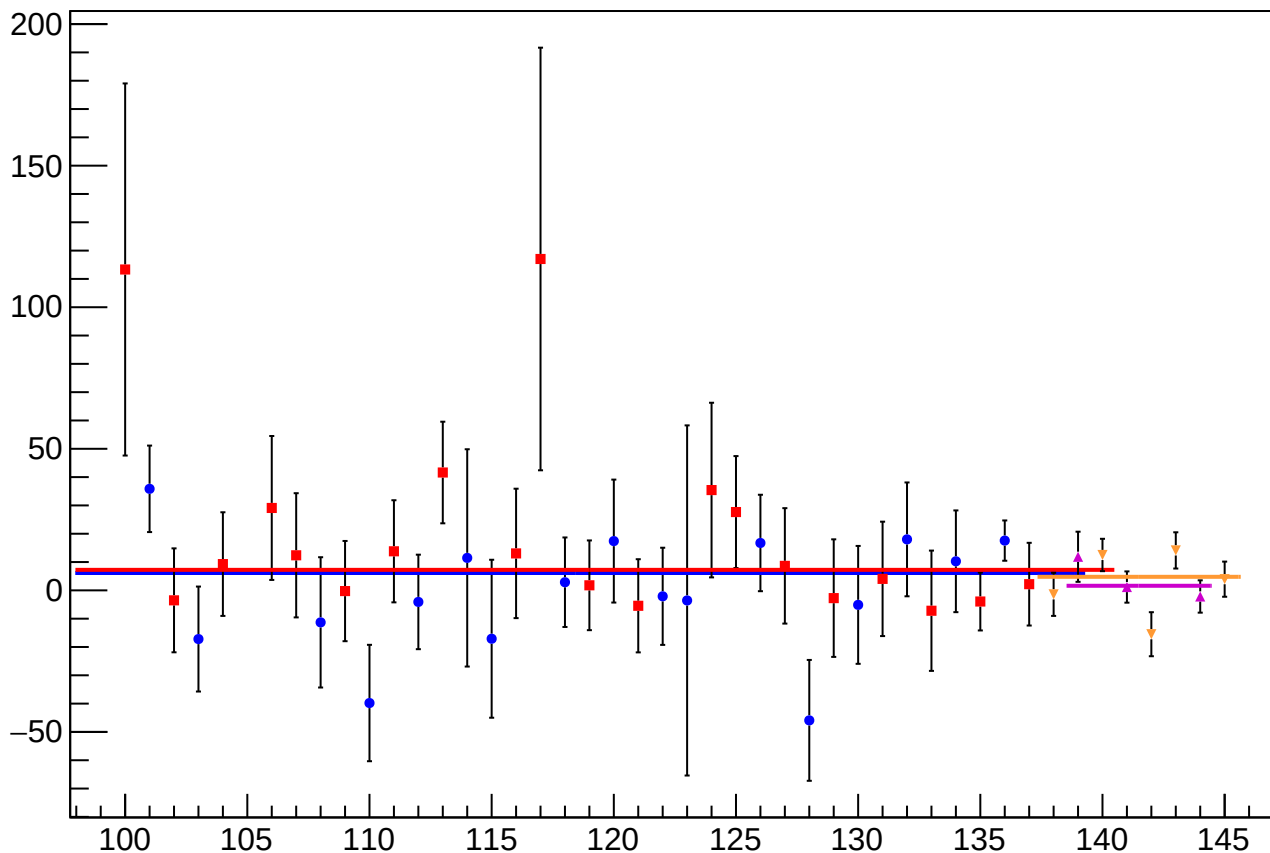
Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

Left In: 3165.251+/-1.606 χ^2/NDF : 915206.7/2

4567.753+/-1.091 χ^2/NDF : 2026877.6/21

4078.526+/-1.028 χ^2/NDF : 2792844.3/22

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 4.786 ± 2.952 χ^2/NDF : 11.4/4

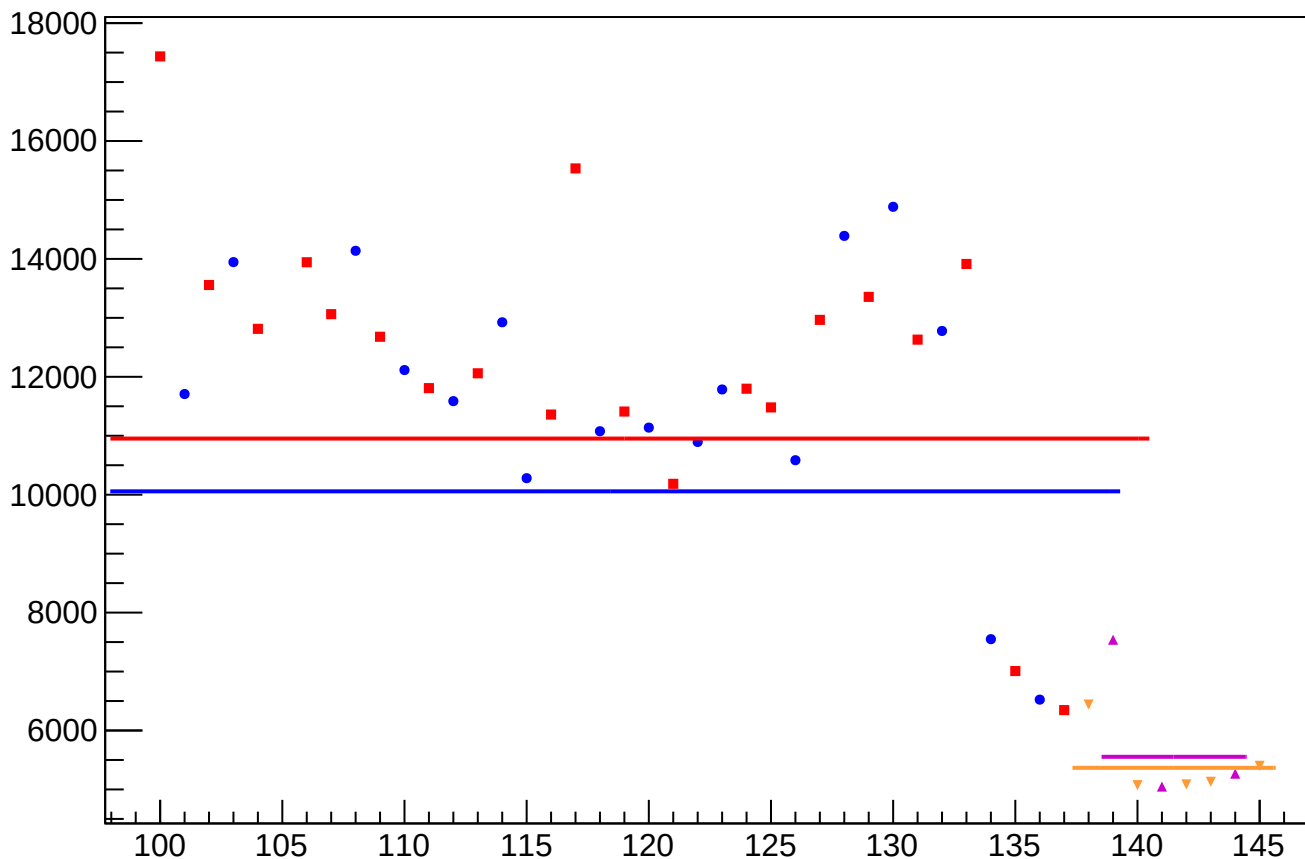
Right Out: 7.243 ± 4.218 χ^2/NDF : 14.6/19

Left In: 1.620 ± 3.621 χ^2/NDF : 1.8/2

5.249 ± 2.392 χ^2/NDF : 33.7/21

4.007 ± 2.748 χ^2/NDF : 17.4/22

diff_bpm16X_rms vs Slug



Right In: 10056.991+/-2.885 χ^2/NDF : 1002872.6/16

Left Out: 5366.546+/-2.087 χ^2/NDF : 50471.9/4

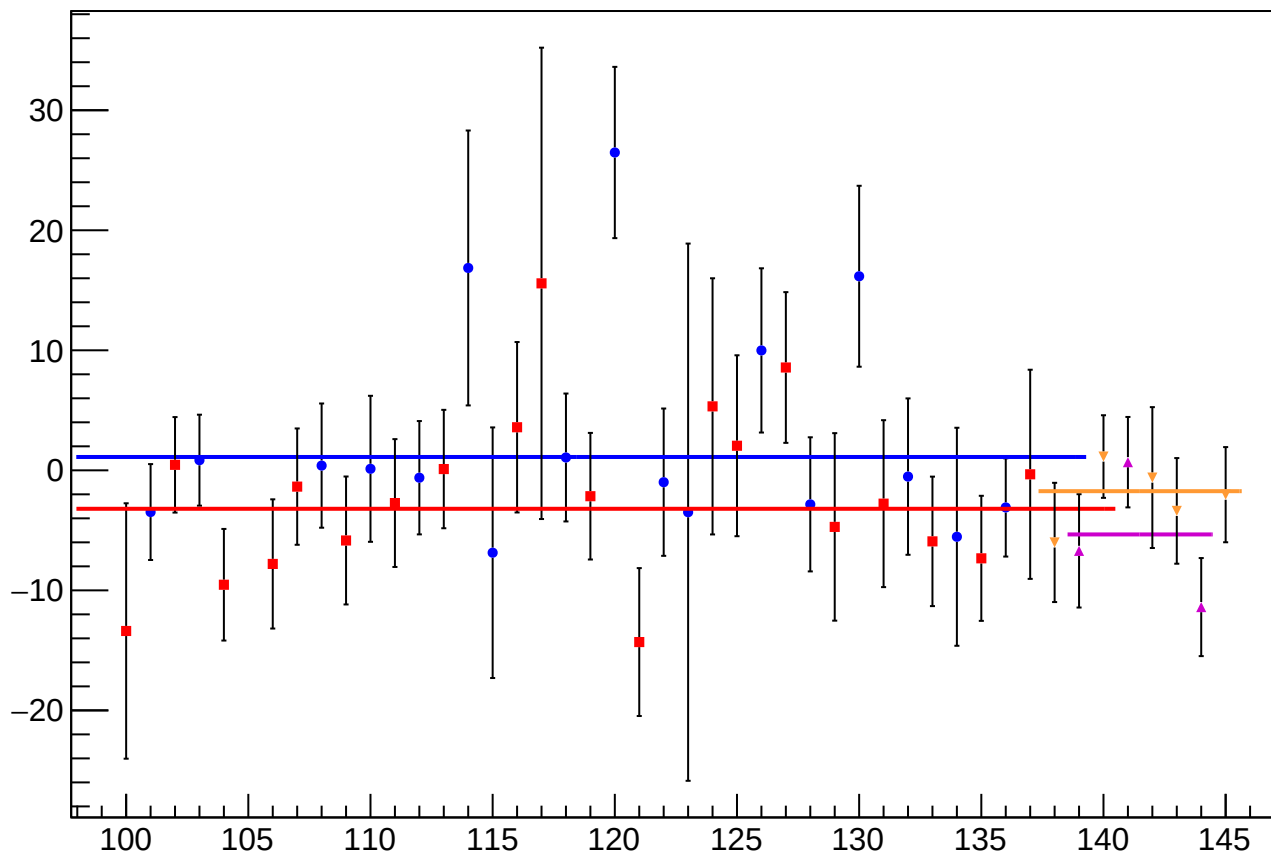
Right Out: 10952.255+/-2.982 χ^2/NDF : 770474.3/19

Left In: 5553.774+/-2.561 χ^2/NDF : 122391.3/2

6977.958+/-1.691 χ^2/NDF : 2788330.6/21

7844.744+/-1.943 χ^2/NDF : 2778999.8/22

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -1.737 ± 1.927 χ^2/NDF : 1.6/4

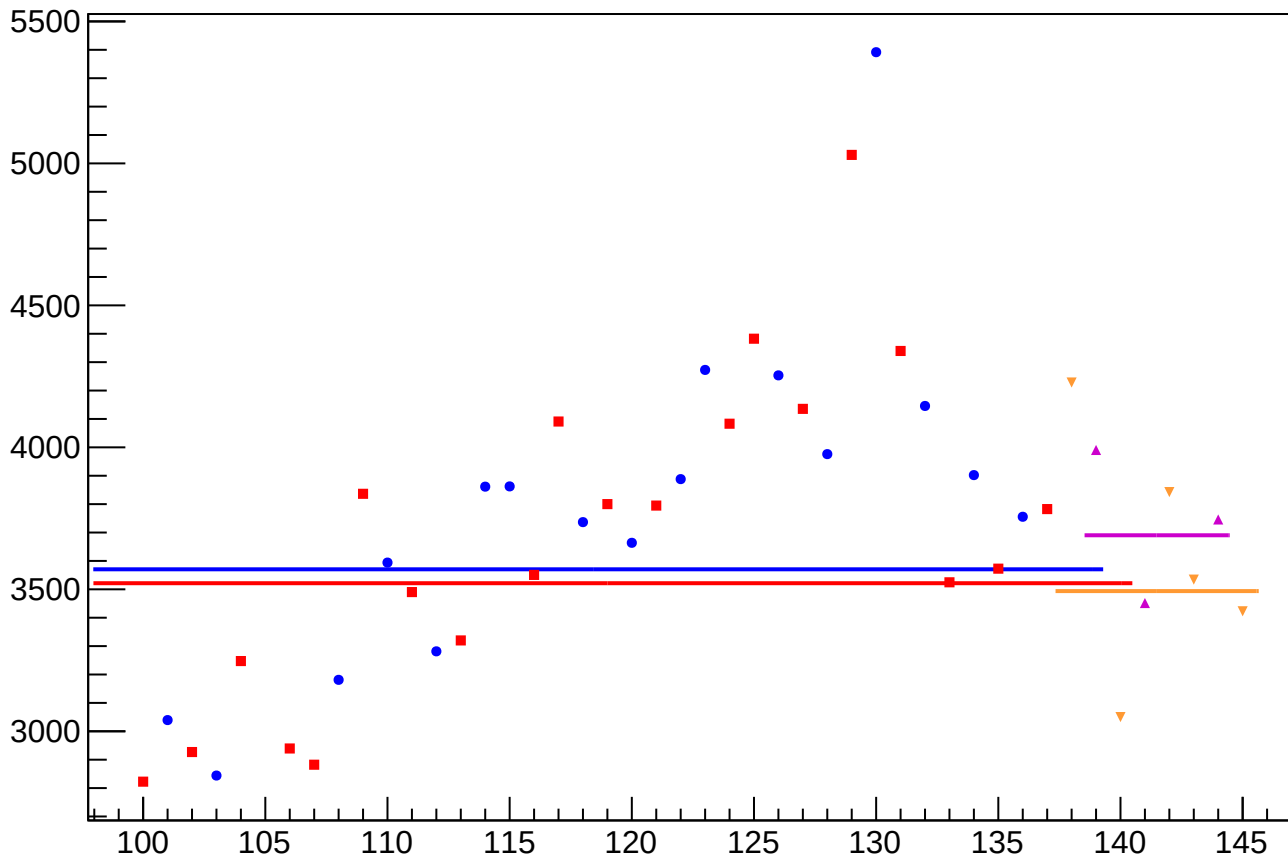
Right Out: -3.204 ± 1.331 χ^2/NDF : 16.0/19

Left In: -5.340 ± 2.389 χ^2/NDF : 4.8/2

0.125 ± 1.134 χ^2/NDF : 27.7/21

-3.710 ± 1.162 χ^2/NDF : 21.4/22

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 3493.749+/-1.363 χ^2/NDF : 84858.7/4

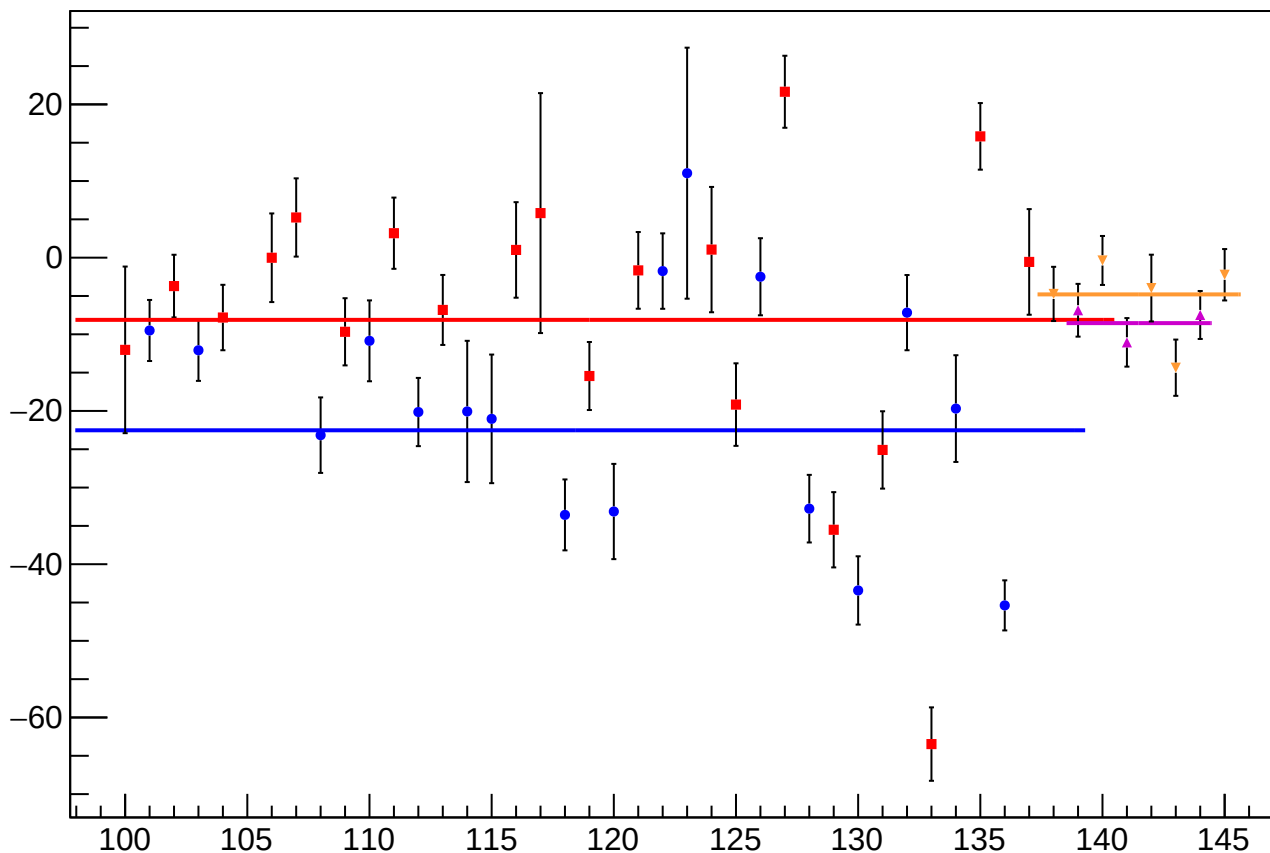
3543.904+/-0.802 χ^2/NDF : 396630.4/21

Right Out: 3521.513+/-0.941 χ^2/NDF : 295082.3/19

3561.490+/-0.822 χ^2/NDF : 319204.2/22

Left In: 3690.339+/-1.689 χ^2/NDF : 16497.2/2

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 $\chi^2/\text{NDF}: 155.5/16$

Left Out: -4.793 ± 1.594 $\chi^2/\text{NDF}: 9.3/4$

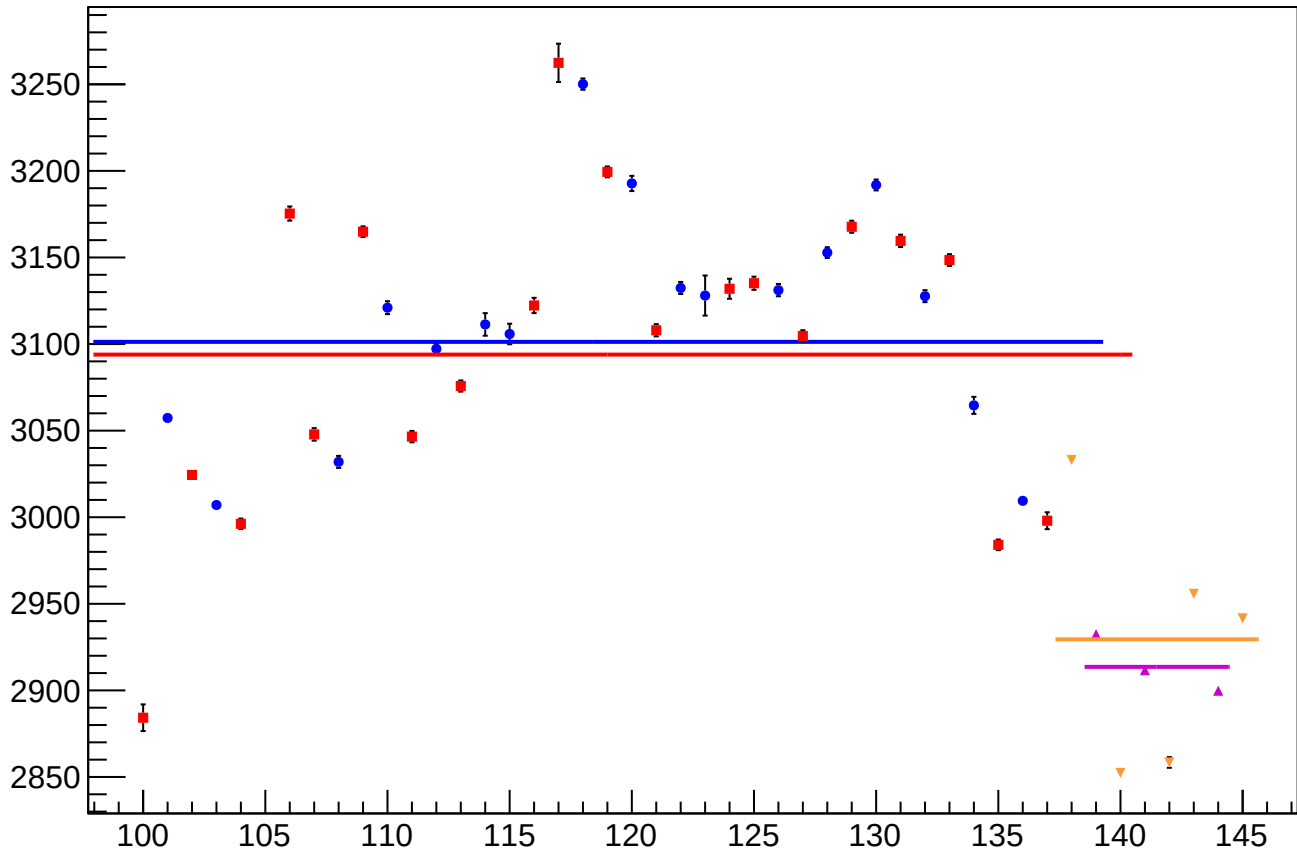
Right Out: -8.116 ± 1.154 $\chi^2/\text{NDF}: 276.6/19$

Left In: -8.541 ± 1.870 $\chi^2/\text{NDF}: 1.0/2$

-16.106 ± 0.959 $\chi^2/\text{NDF}: 243.8/21$

-8.233 ± 0.982 $\chi^2/\text{NDF}: 277.7/22$

diff_bpm0l01X_rms vs Slug



Right In: 3101.270 $\pm$ 0.849 χ^2/NDF : 7233.8/16

Left Out: 2929.505 $\pm$ 1.127 χ^2/NDF : 3541.9/4

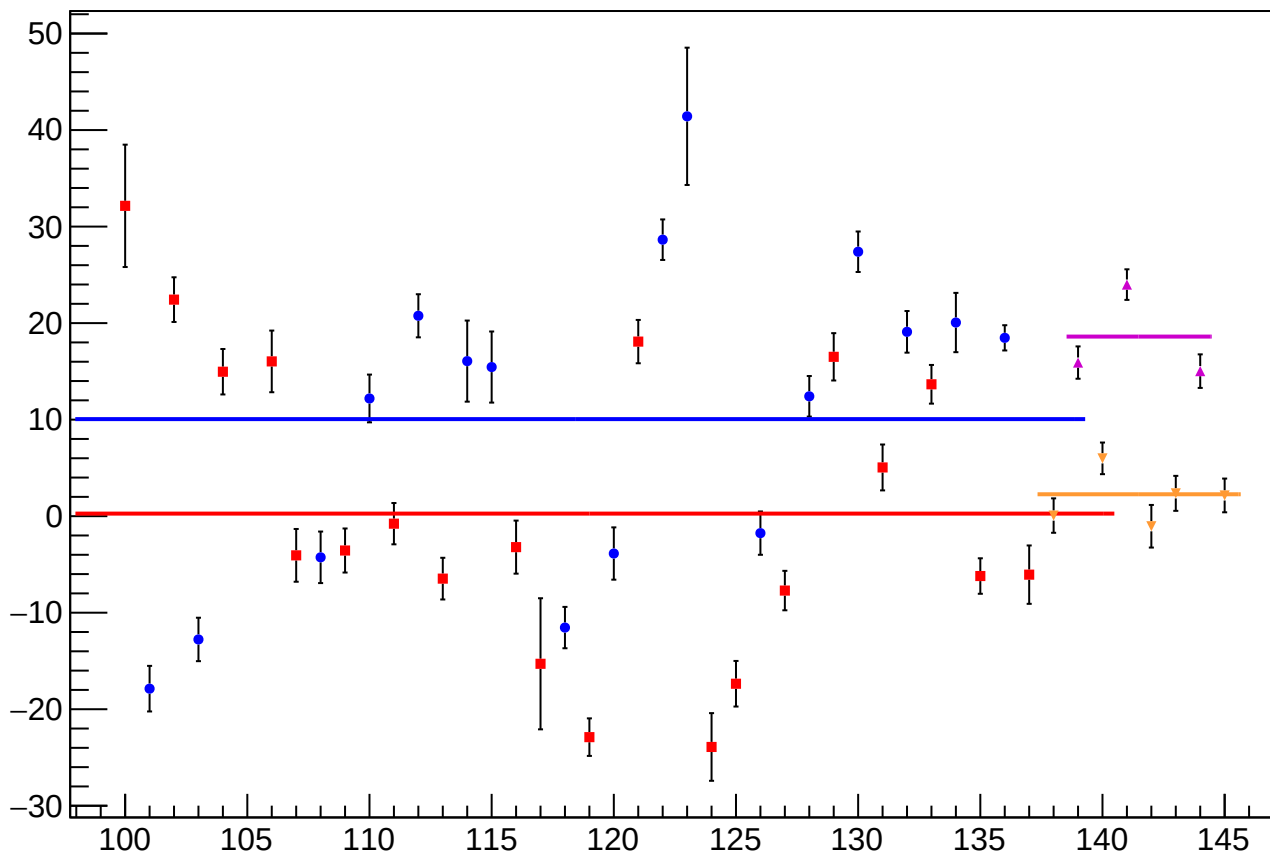
Right Out: 3093.913 $\pm$ 0.816 χ^2/NDF : 7998.9/19

Left In: 2913.590 $\pm$ 1.322 χ^2/NDF : 99.5/2

3039.085 $\pm$ 0.678 χ^2/NDF : 25597.8/21

3044.187 $\pm$ 0.694 χ^2/NDF : 21571.1/22

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 2.269 $\pm$ 0.810 χ^2 /NDF: 8.9/4

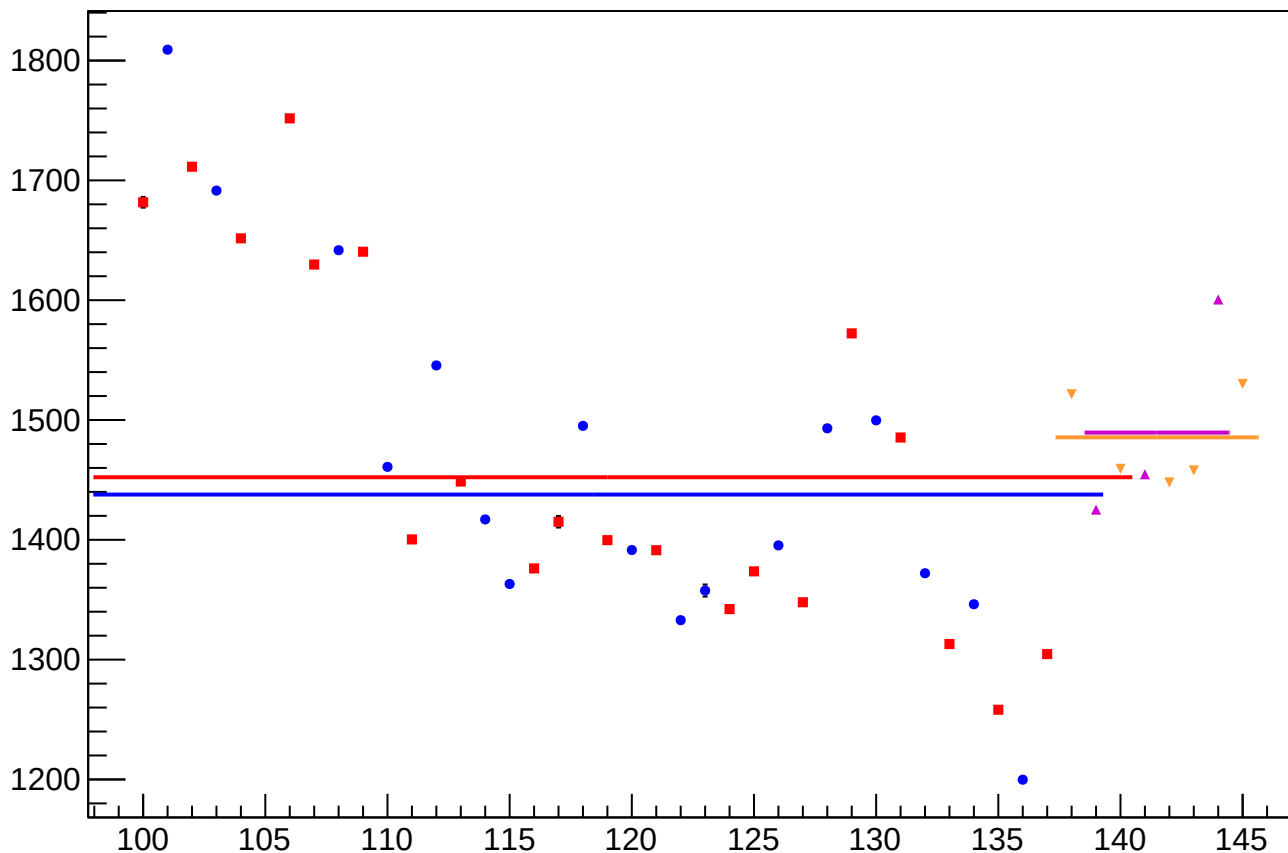
Right Out: 0.266 $\pm$ 0.545 χ^2 /NDF: 635.1/19

Left In: 18.605 $\pm$ 0.960 χ^2 /NDF: 18.4/2

7.527 $\pm$ 0.462 χ^2 /NDF: 763.6/21

4.742 $\pm$ 0.474 χ^2 /NDF: 929.6/22

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776+/-0.397 χ^2/NDF : 173216.2/16

Left Out: 1485.520+/-0.573 χ^2/NDF : 3676.0/4

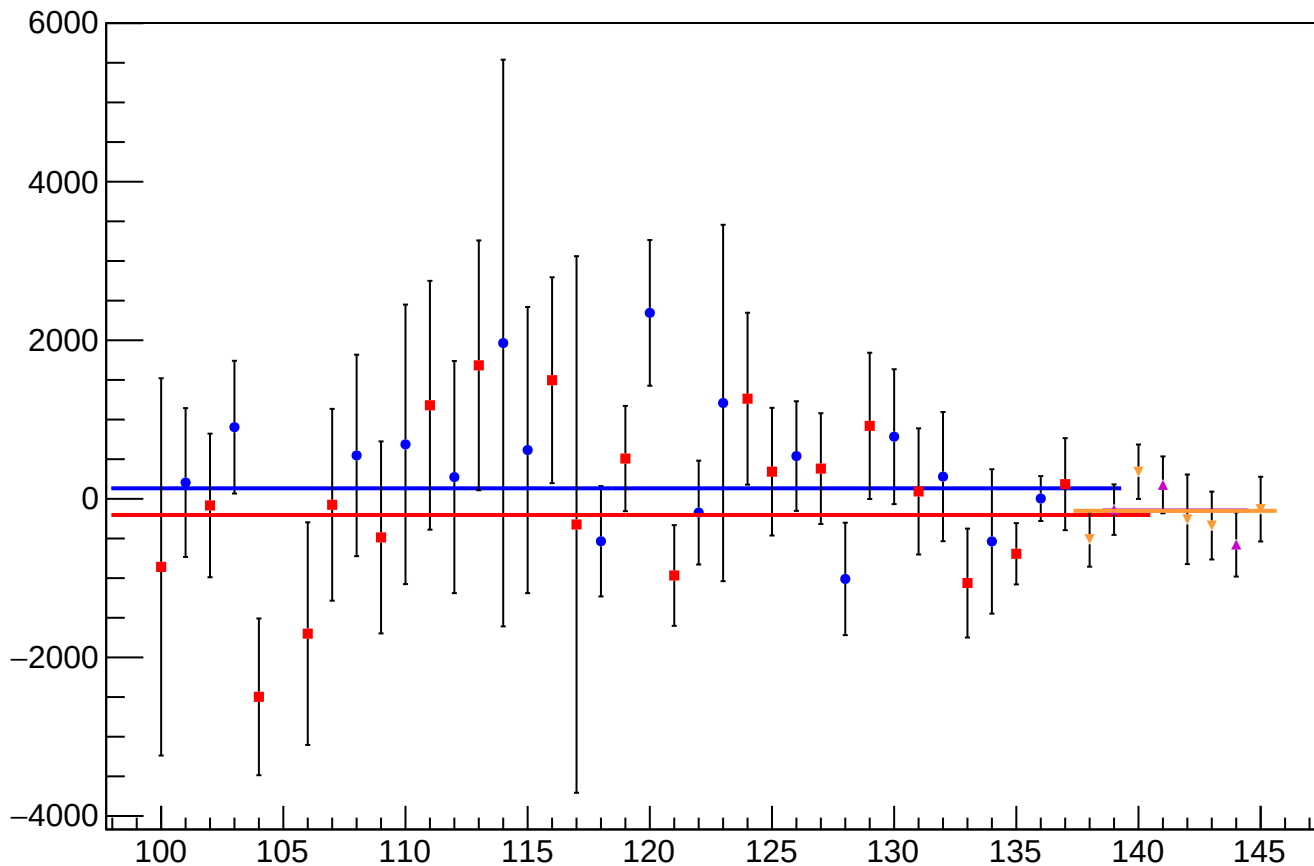
Right Out: 1452.227+/-0.386 χ^2/NDF : 138666.1/19

Left In: 1489.496+/-0.679 χ^2/NDF : 12080.7/2

1453.279+/-0.326 χ^2/NDF : 181584.8/21

1461.323+/-0.335 χ^2/NDF : 153027.1/22

asym_sam1_mean vs Slug



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -151.260 $\pm$ 178.464 χ^2 /NDF: 3.4/4

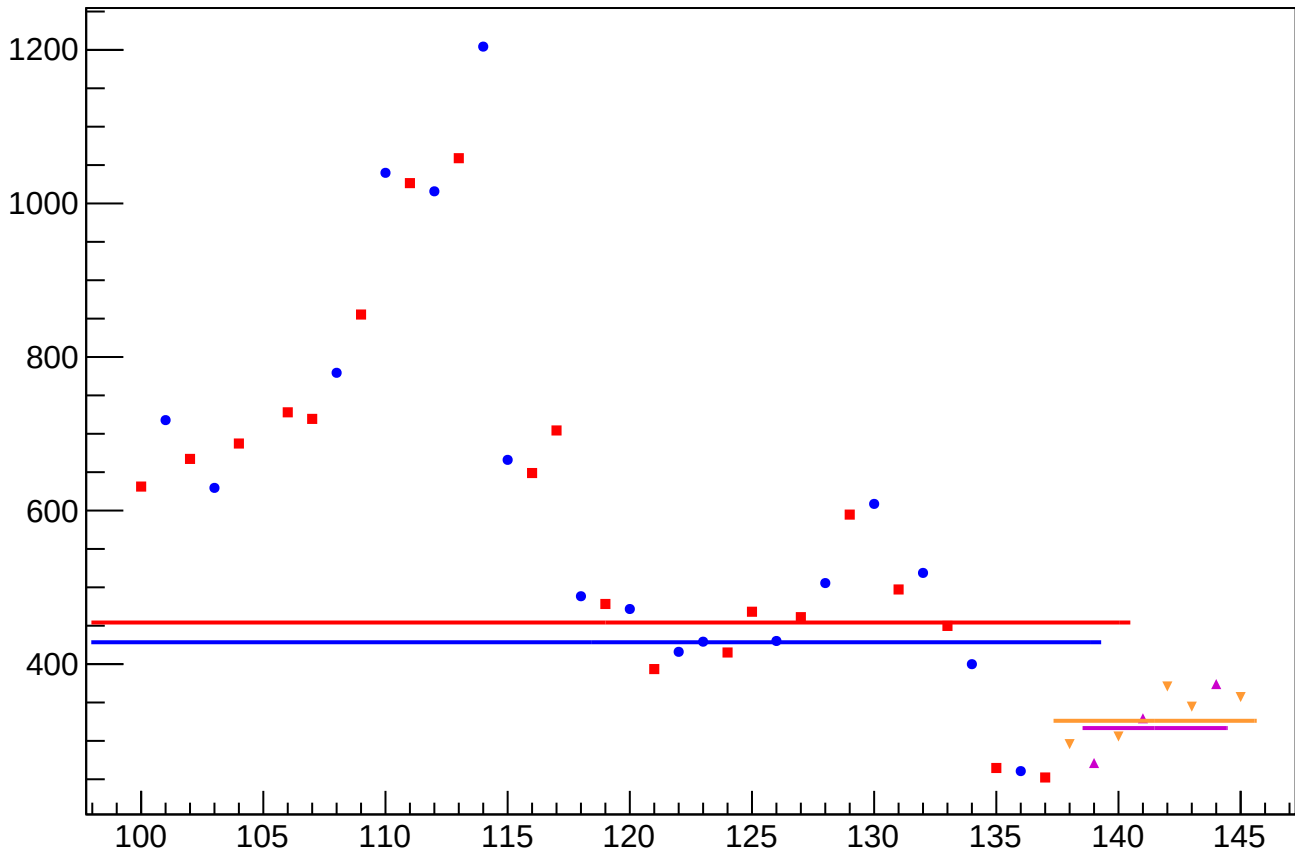
Right Out: -203.418 $\pm$ 184.080 χ^2 /NDF: 21.4/19

Left In: -146.448 $\pm$ 205.306 χ^2 /NDF: 1.9/2

-10.601 $\pm$ 126.827 χ^2 /NDF: 17.5/21

-178.029 $\pm$ 137.056 χ^2 /NDF: 23.4/22

asym_sam1_rms vs Slug



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 326.170+/-0.126 χ^2/NDF : 50124.8/4

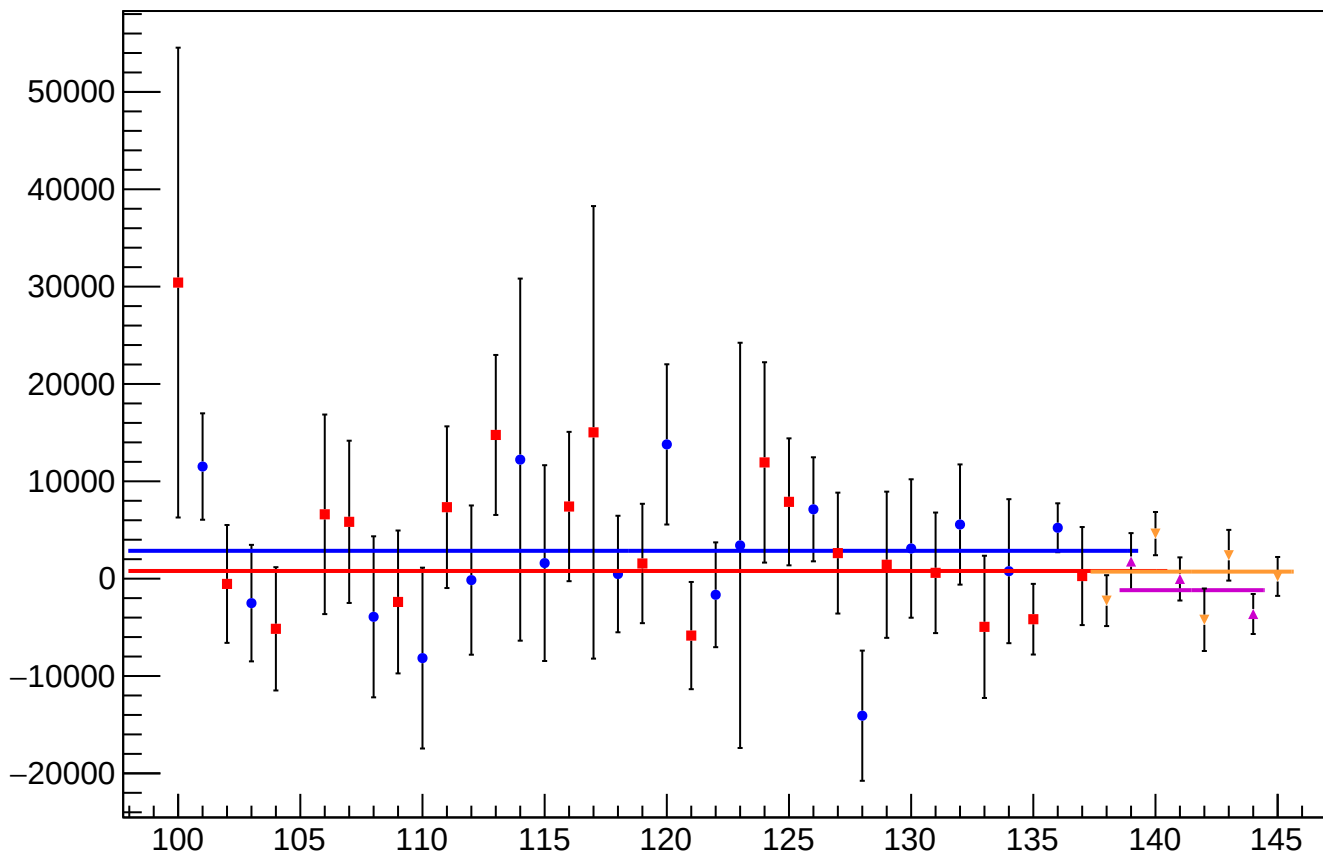
376.800+/-0.090 χ^2/NDF : 2386792.9/21

Right Out: 454.177+/-0.130 χ^2/NDF : 2040775.1/19

392.904+/-0.097 χ^2/NDF : 2621430.9/22

Left In: 316.684+/-0.145 χ^2/NDF : 83408.4/2

asym_sam2_mean vs Slug



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 723.298+/-1088.463 χ^2/NDF : 7.2/4

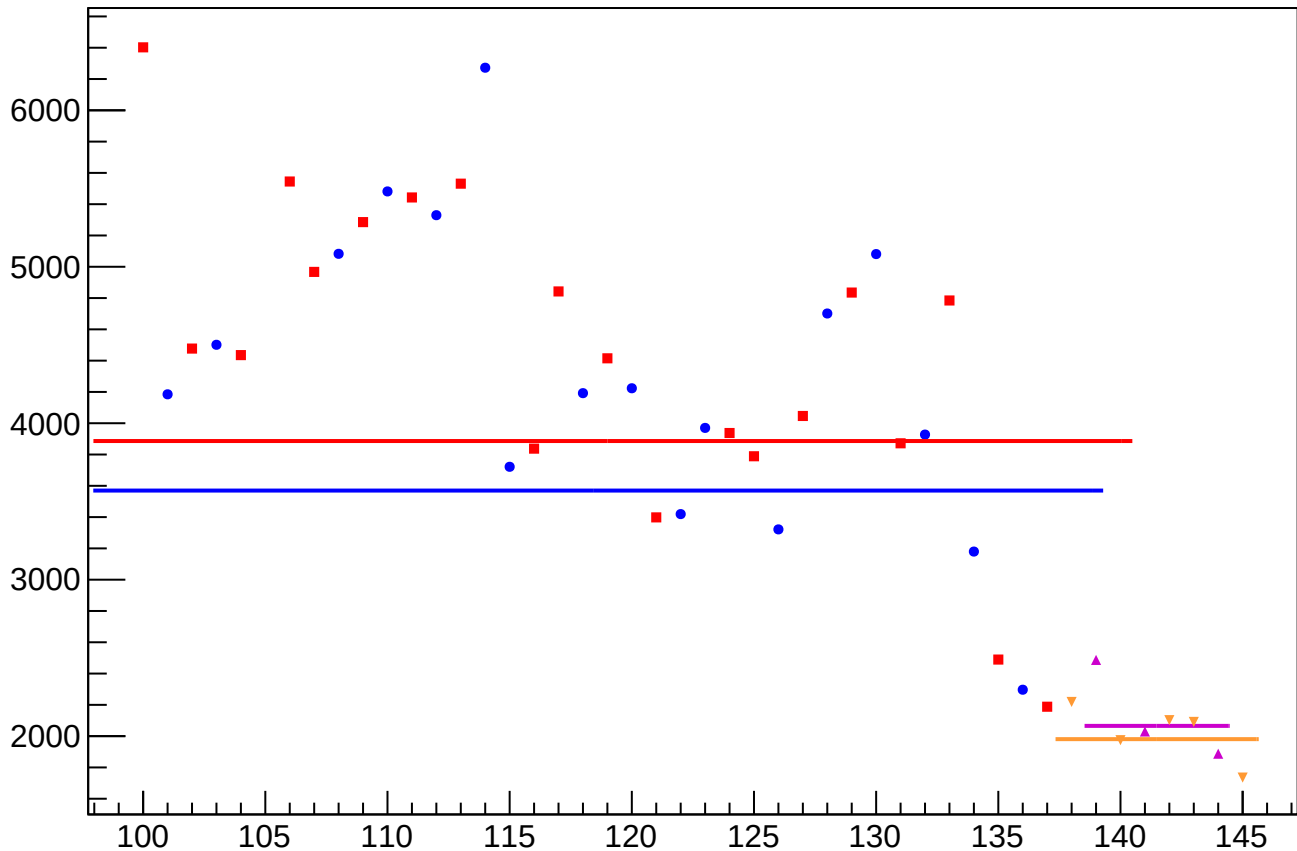
Right Out: 789.608+/-1506.053 χ^2/NDF : 14.4/19

Left In: -1182.424+/-1338.804 χ^2/NDF : 2.7/2

1494.685+/-870.034 χ^2/NDF : 25.3/21

-311.944+/-1000.605 χ^2/NDF : 18.0/22

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 1980.830+/-0.770 χ^2/NDF : 53229.6/4

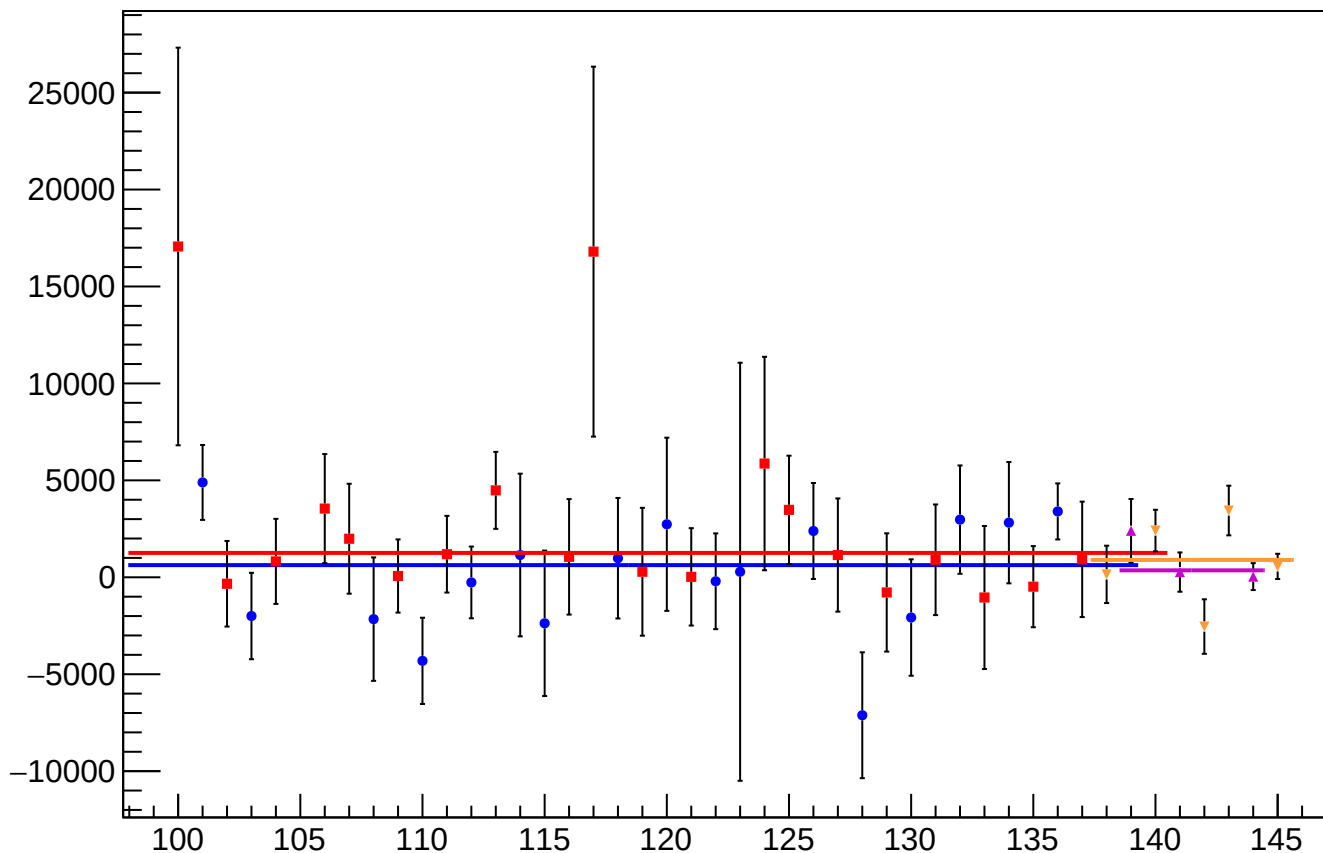
Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

Left In: 2065.614+/-0.947 χ^2/NDF : 57221.6/2

2554.517+/-0.615 χ^2/NDF : 2679841.8/21

2869.243+/-0.708 χ^2/NDF : 2676242.8/22

asym_sam3_mean vs Slug



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 896.376+/-456.073 χ^2/NDF : 12.4/4

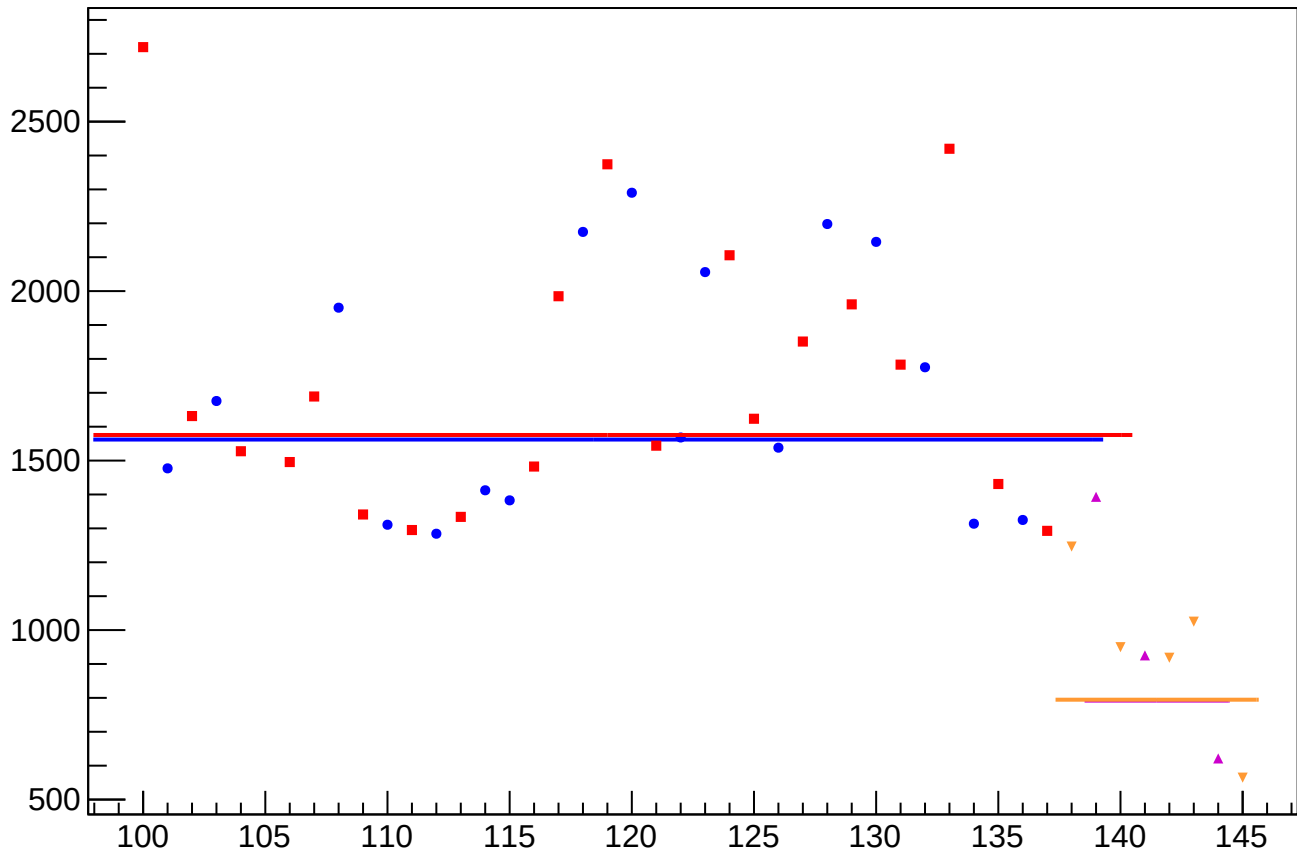
Right Out: 1257.467+/-601.857 χ^2/NDF : 12.6/19

Left In: 358.709+/-541.106 χ^2/NDF : 1.8/2

802.206+/-367.575 χ^2/NDF : 37.6/21

760.452+/-402.389 χ^2/NDF : 15.6/22

asym_sam3_rms vs Slug



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 794.605 $\pm$ 0.322 χ^2 /NDF: 558466.5/4

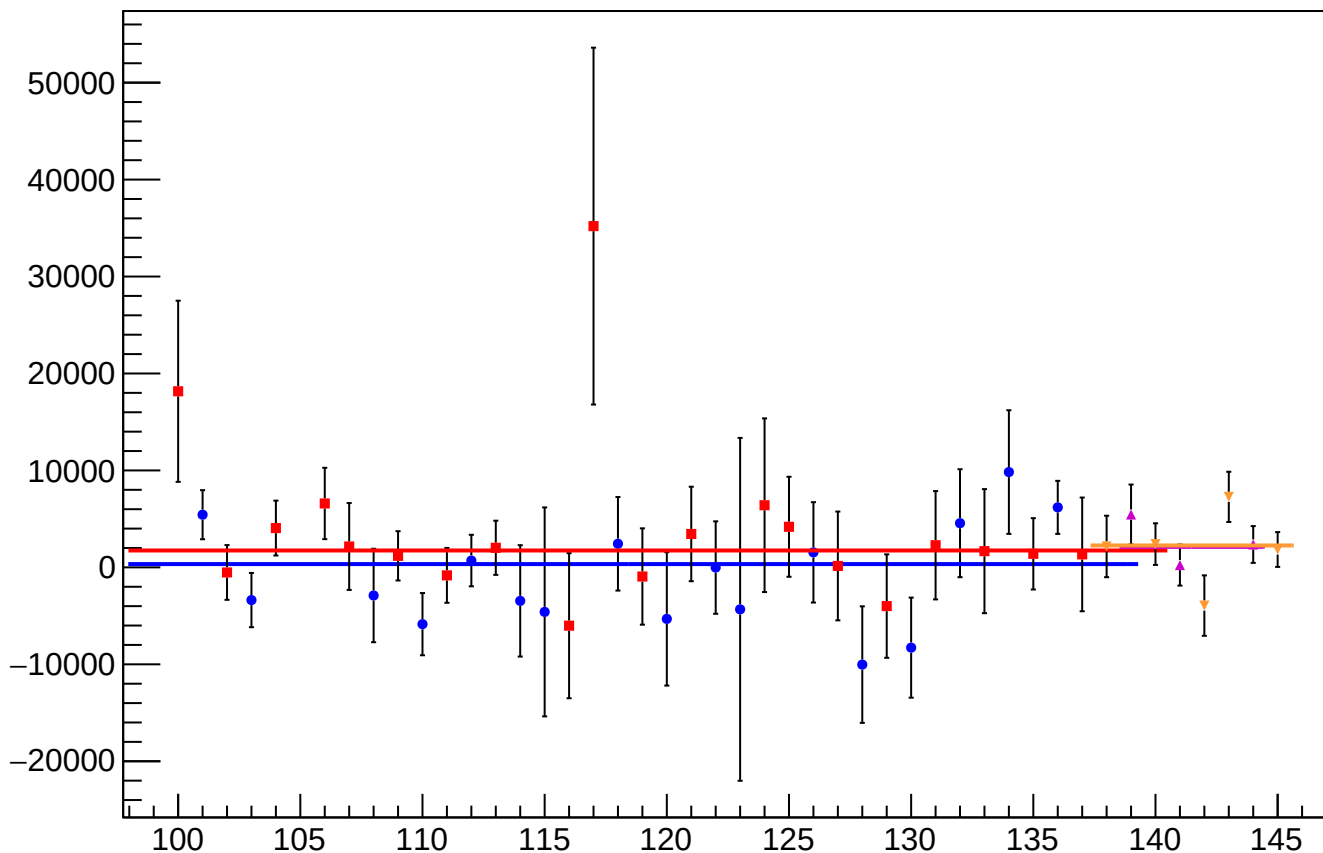
Right Out: 1575.541 $\pm$ 0.426 χ^2 /NDF: 467687.2/19

Left In: 791.903 $\pm$ 0.383 χ^2 /NDF: 423772.5/2

1063.563 $\pm$ 0.260 χ^2 /NDF: 3025374.1/21

1142.188 $\pm$ 0.285 χ^2 /NDF: 2766461.1/22

asym_sam4_mean vs Slug



Right In: 338.117+/-995.842 χ^2/NDF : 24.8/16

Left Out: 2260.327+/-1066.753 χ^2/NDF : 7.8/4

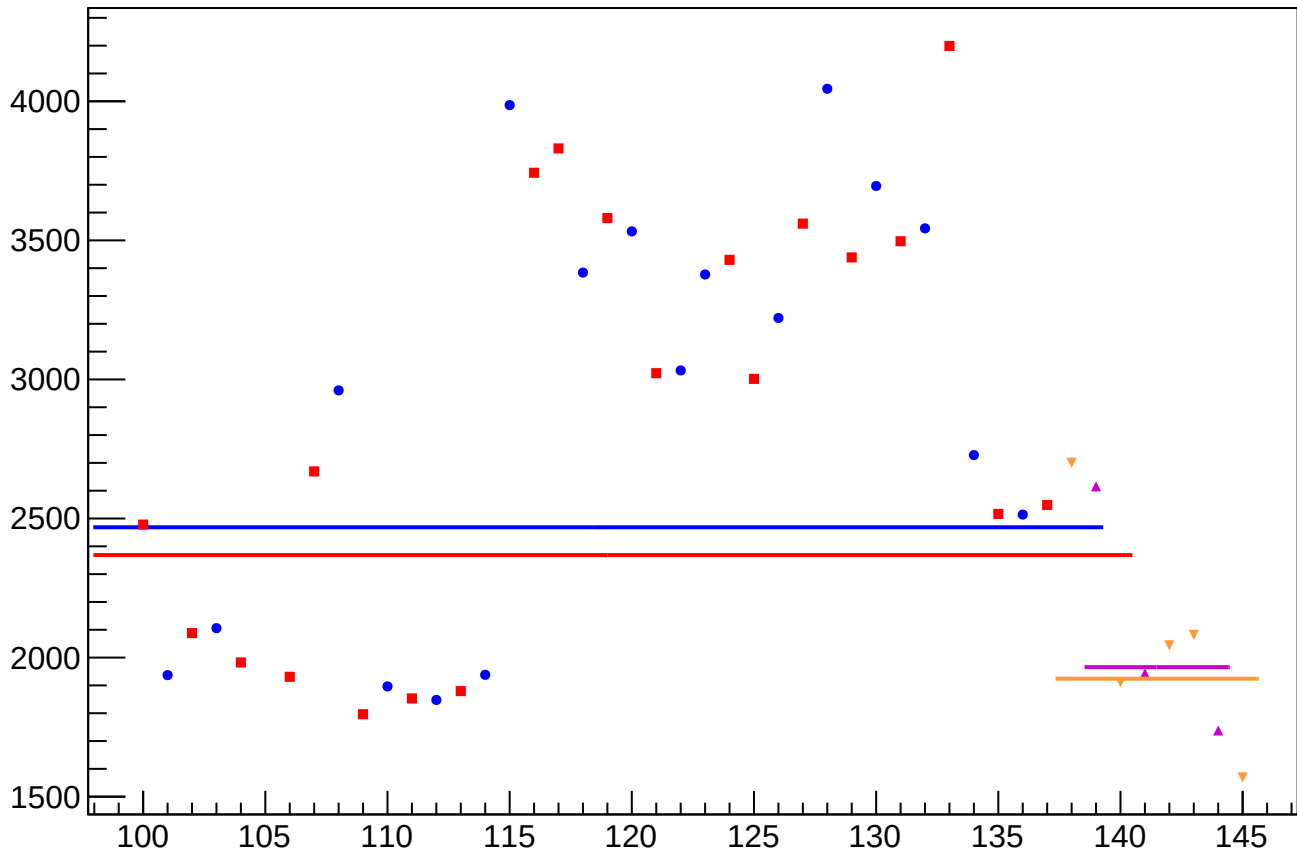
Right Out: 1742.470+/-923.289 χ^2/NDF : 13.6/19

Left In: 2116.255+/-1285.318 χ^2/NDF : 2.0/2

1233.216+/-727.945 χ^2/NDF : 34.3/21

1869.696+/-749.872 χ^2/NDF : 15.6/22

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 1924.172+/-0.754 χ^2/NDF : 208567.0/4

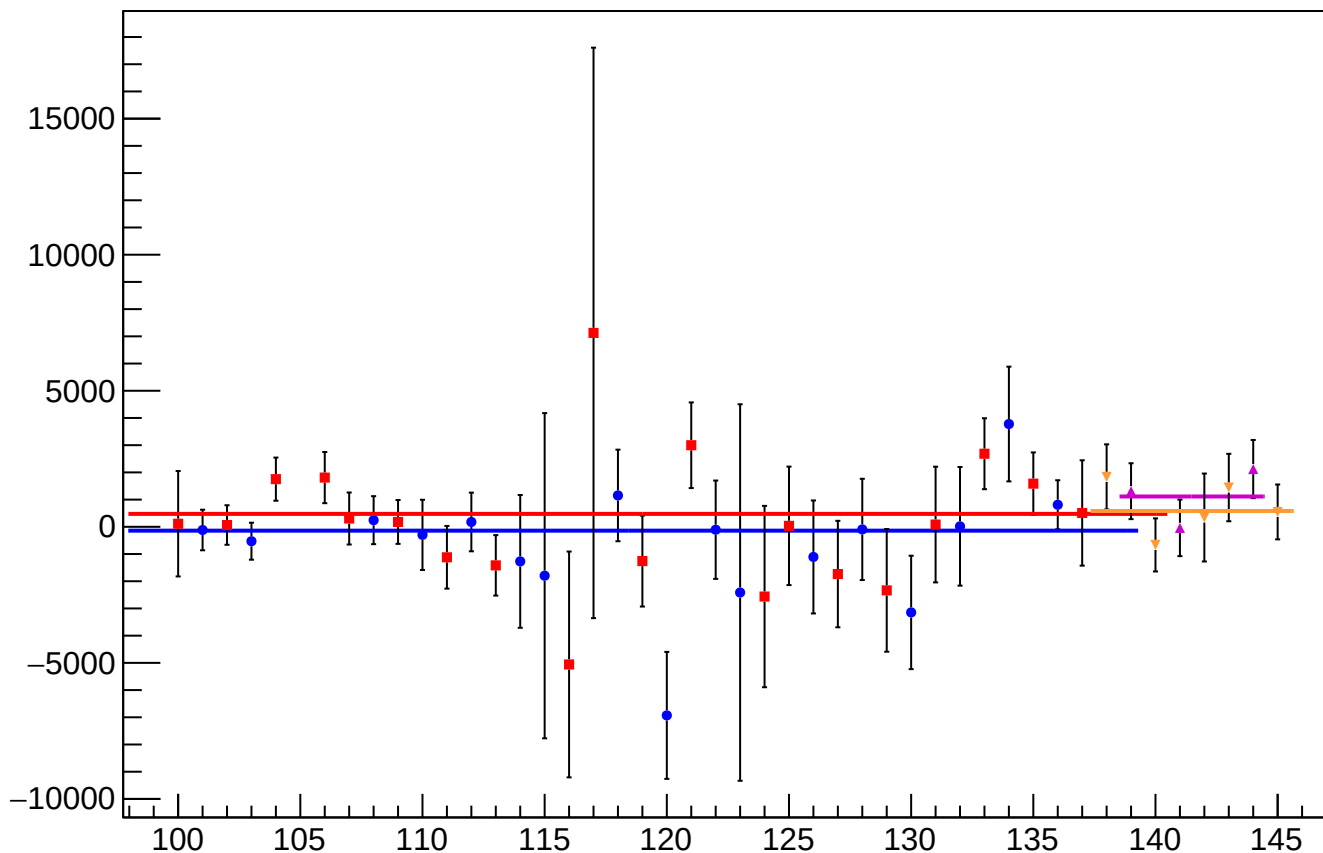
Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

Left In: 1965.667+/-0.909 χ^2/NDF : 117645.2/2

2215.022+/-0.515 χ^2/NDF : 1382962.4/21

2231.401+/-0.530 χ^2/NDF : 1285056.9/22

asym_sam5_mean vs Slug



Right In: -141.213 ± 313.319 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 581.782 ± 515.199 $\chi^2/\text{NDF}: 3.2/4$

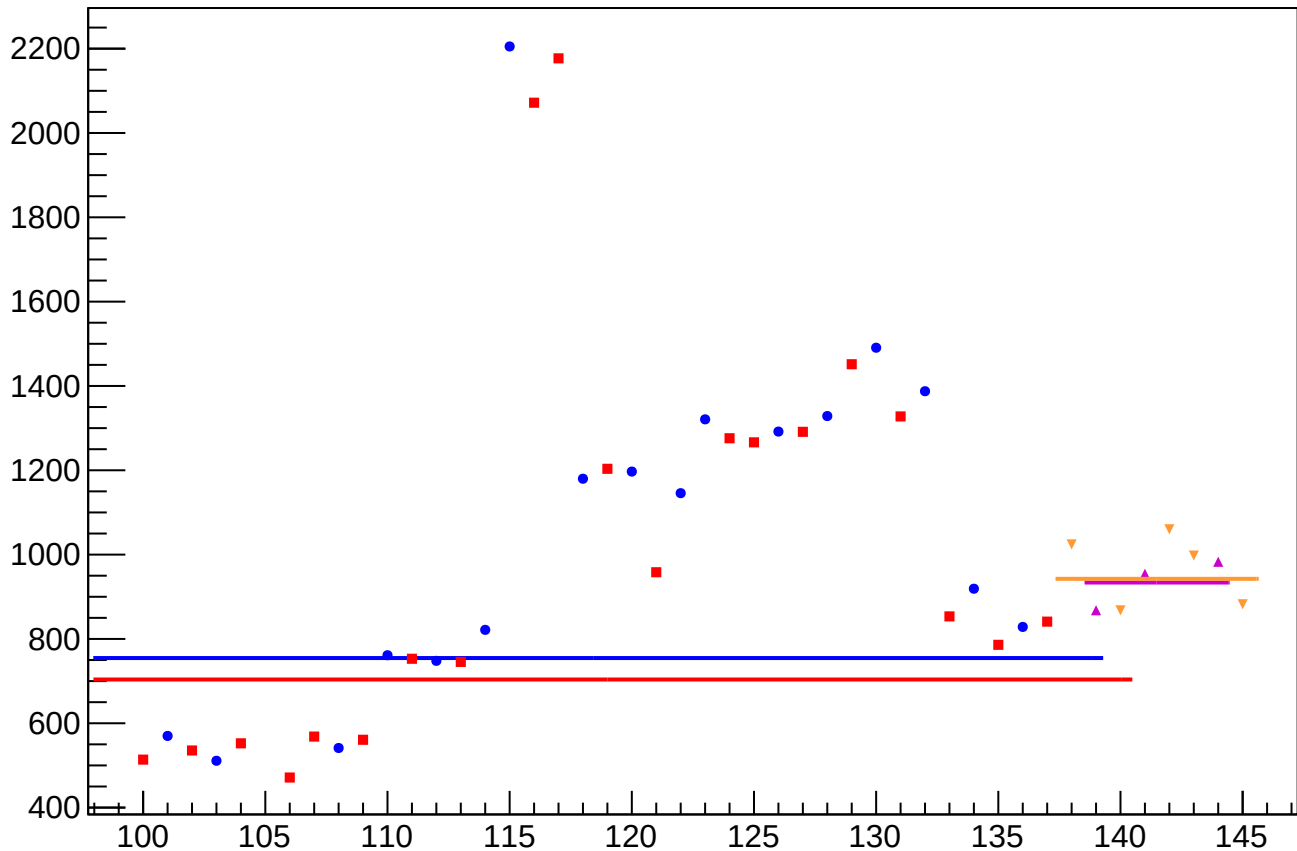
Right Out: 474.987 ± 282.789 $\chi^2/\text{NDF}: 23.3/19$

Left In: 1114.562 ± 603.039 $\chi^2/\text{NDF}: 2.2/2$

53.990 ± 267.701 $\chi^2/\text{NDF}: 21.6/21$

590.280 ± 256.035 $\chi^2/\text{NDF}: 26.4/22$

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 942.591+/-0.364 χ^2/NDF : 42797.7/4

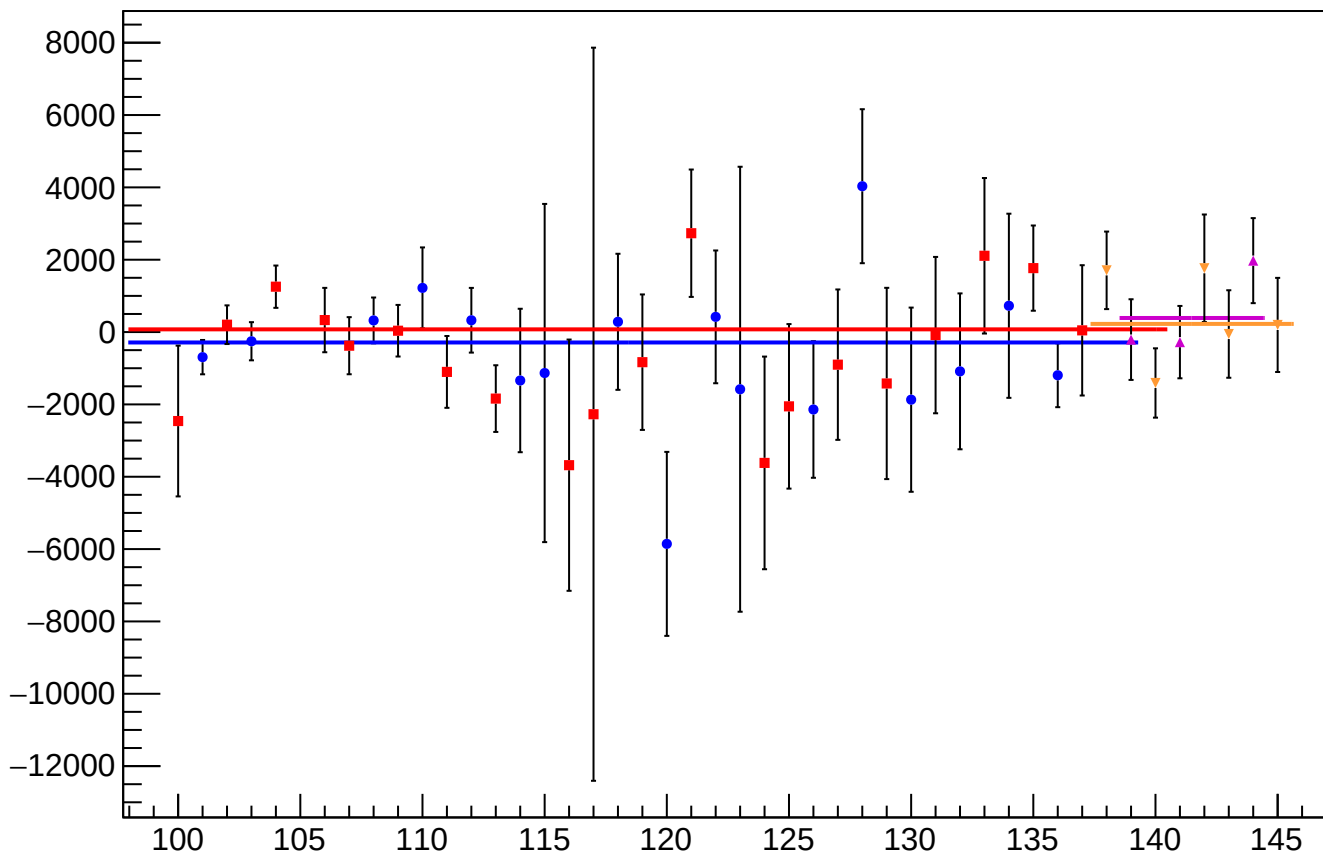
805.417+/-0.189 χ^2/NDF : 1927639.2/21

Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

745.258+/-0.181 χ^2/NDF : 1982898.8/22

Left In: 933.810+/-0.426 χ^2/NDF : 13241.6/2

asym_sam6_mean vs Slug



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: 225.358+/-520.808 χ^2/NDF : 5.9/4

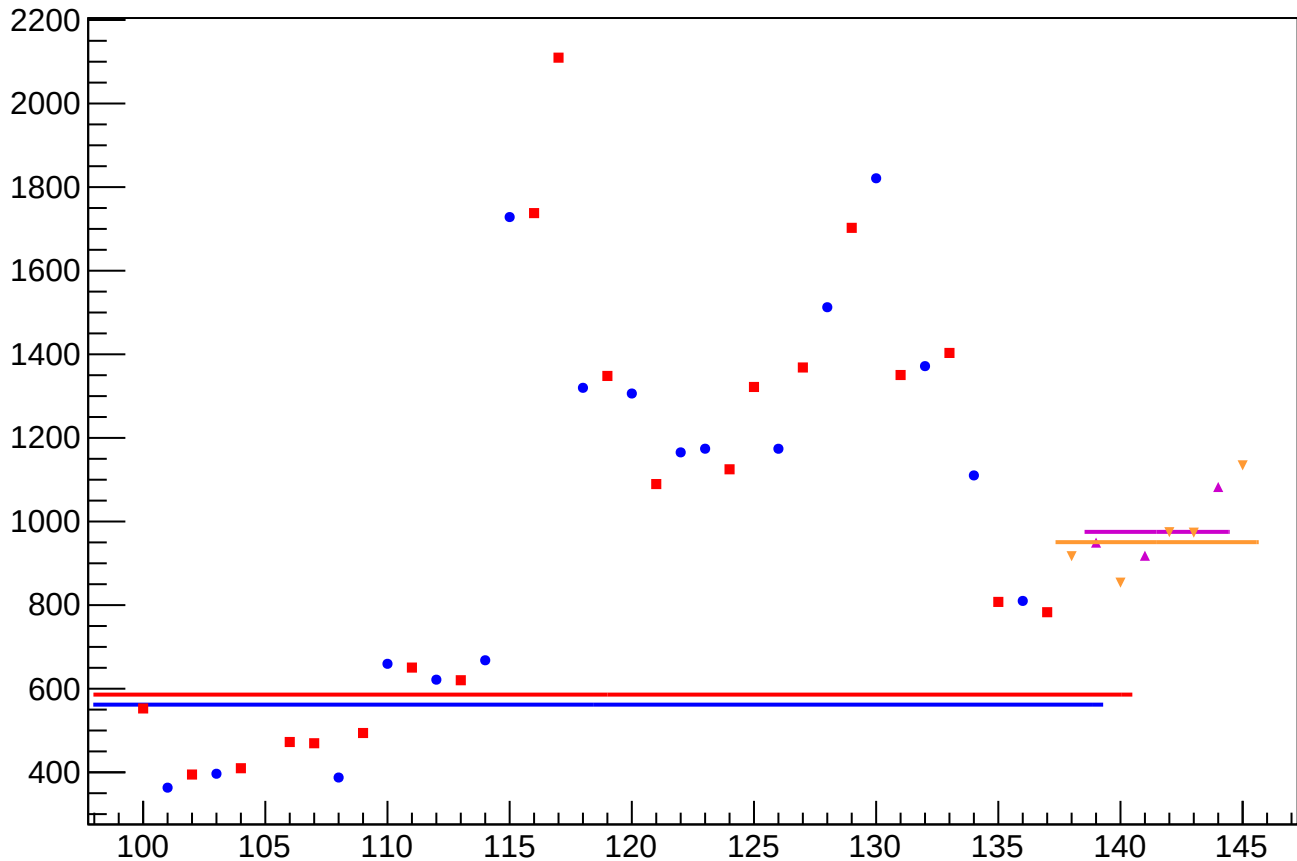
Right Out: 74.735+/-246.011 χ^2/NDF : 21.4/19

Left In: 389.191+/-628.996 χ^2/NDF : 2.6/2

-191.621+/-225.698 χ^2/NDF : 22.9/21

116.456+/-229.110 χ^2/NDF : 24.2/22

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 950.617+/-0.368 χ^2/NDF : 63515.6/4

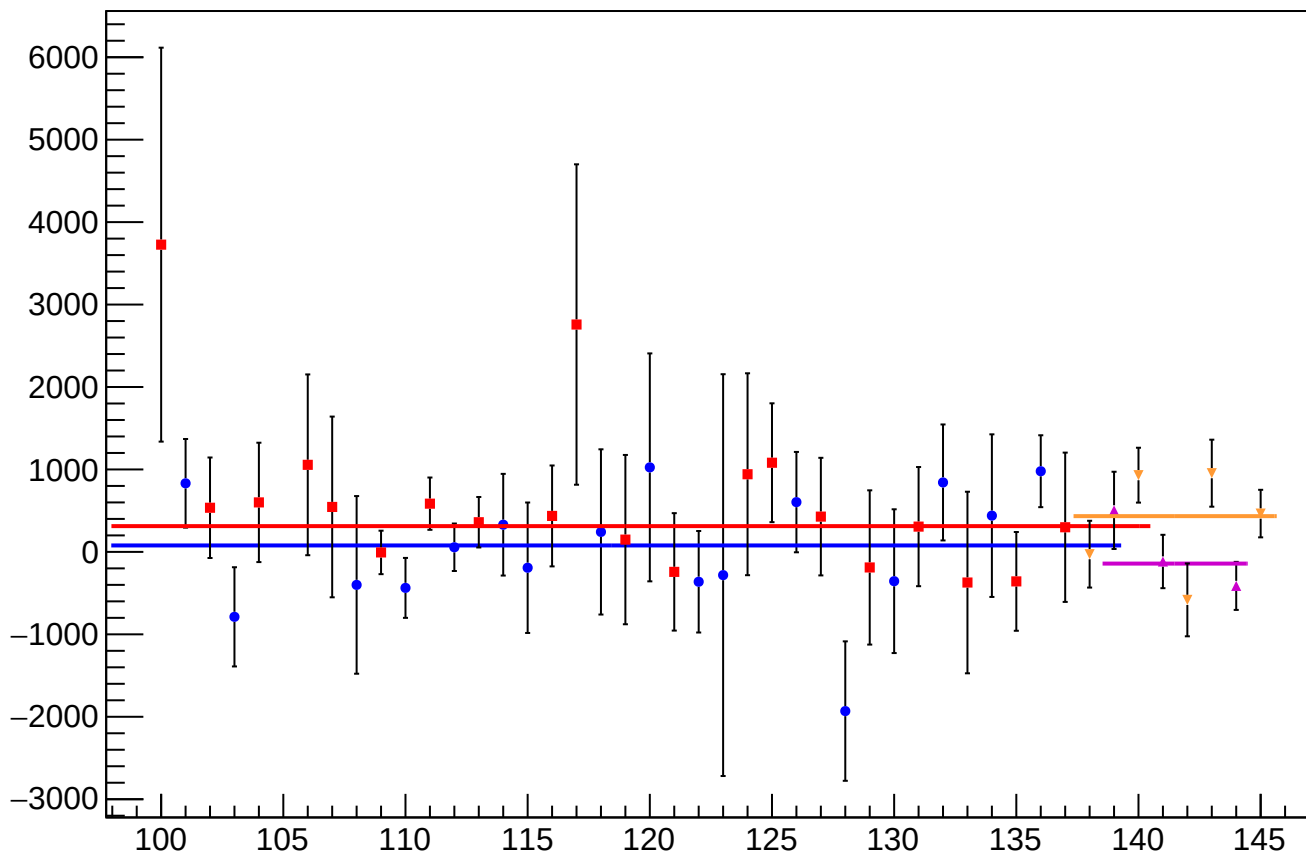
634.897+/-0.160 χ^2/NDF : 4185102.3/21

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

637.546+/-0.162 χ^2/NDF : 3558545.5/22

Left In: 975.223+/-0.445 χ^2/NDF : 24262.4/2

asym_sam7_mean vs Slug



Right In: 78.184+/-142.869 χ^2/NDF : 19.8/16

Left Out: 433.619+/-161.512 χ^2/NDF : 10.5/4

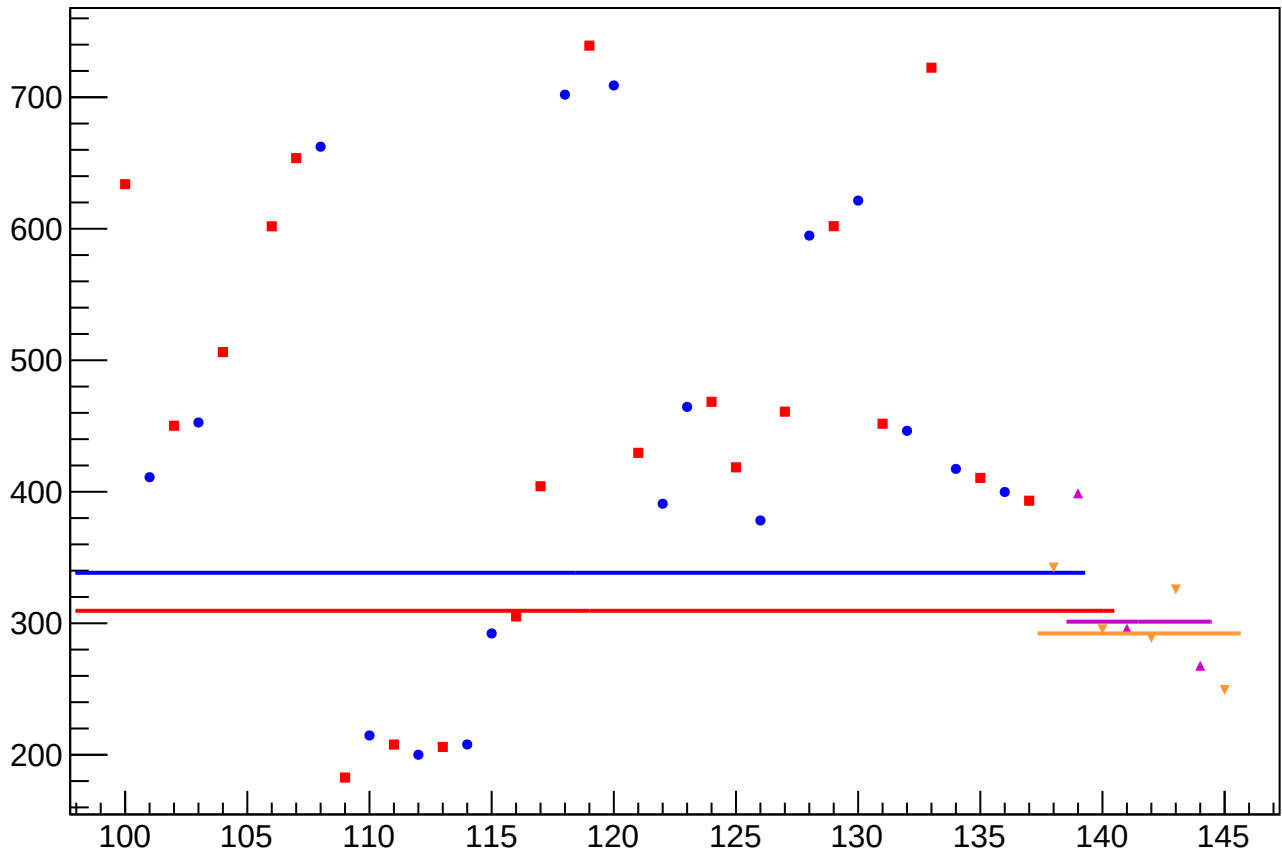
Right Out: 312.536+/-129.362 χ^2/NDF : 10.7/19

Left In: -141.895+/-196.556 χ^2/NDF : 2.8/2

234.213+/-107.011 χ^2/NDF : 33.0/21

175.190+/-108.059 χ^2/NDF : 17.2/22

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 292.292 $\pm$ 0.114 χ^2 /NDF: 89022.5/4

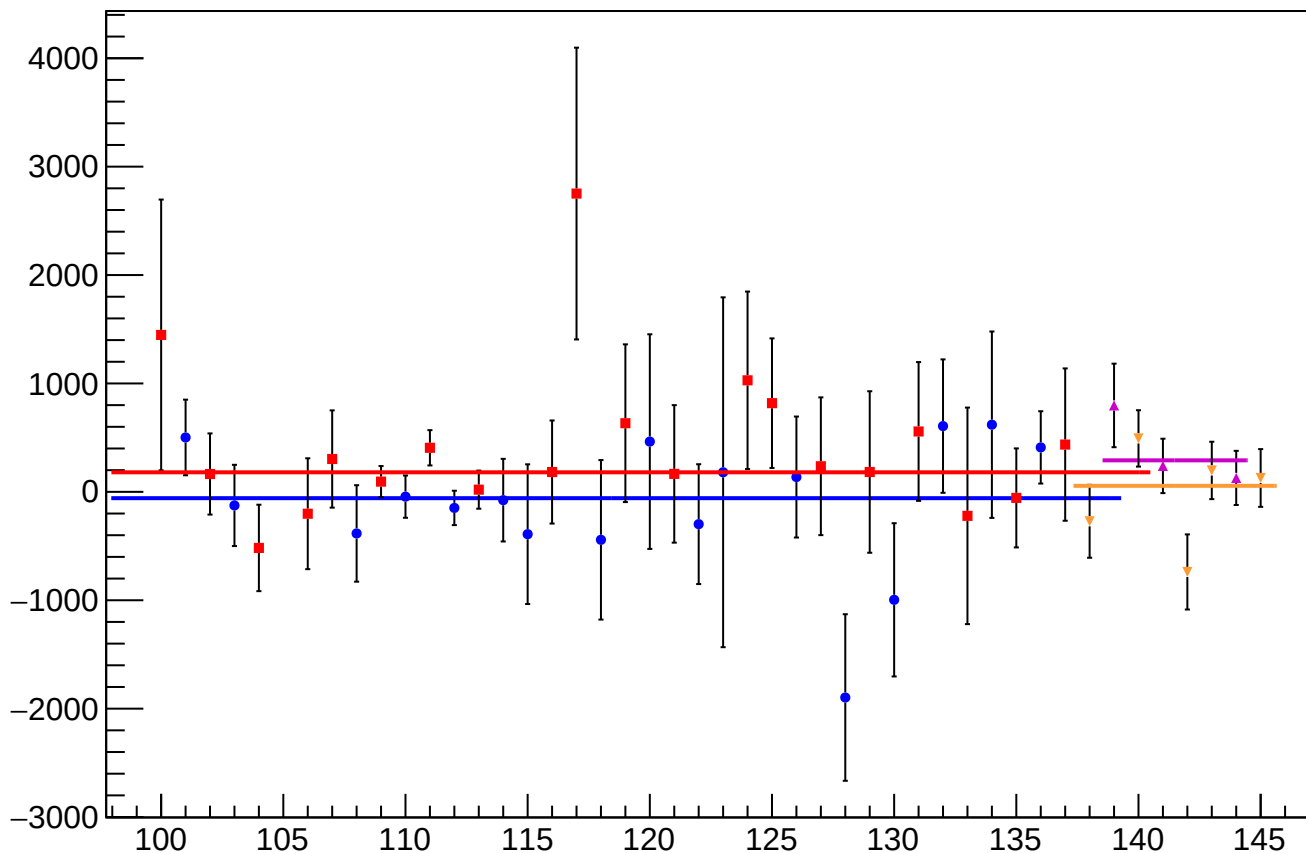
Right Out: 309.503 $\pm$ 0.091 χ^2 /NDF: 2738236.3/19

Left In: 301.229 $\pm$ 0.139 χ^2 /NDF: 113860.7/2

318.164 $\pm$ 0.076 χ^2 /NDF: 2189783.4/21

307.002 $\pm$ 0.076 χ^2 /NDF: 2854569.3/22

asym_sam8_mean vs Slug



Right In: -58.299 $\pm$ 90.484 χ^2 /NDF: 15.9/16

Left Out: 55.627 $\pm$ 128.766 χ^2 /NDF: 9.4/4

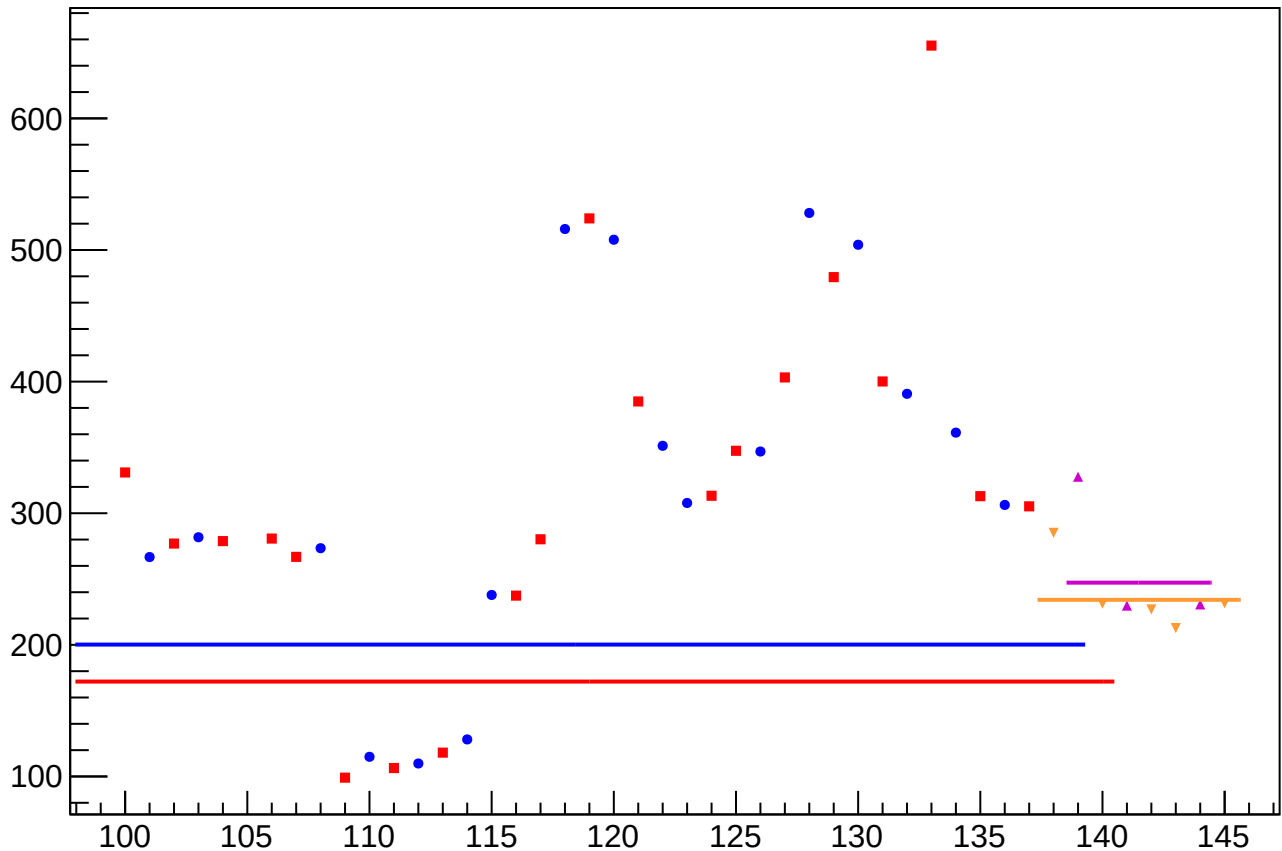
Right Out: 180.354 $\pm$ 76.795 χ^2 /NDF: 15.0/19

Left In: 290.614 $\pm$ 160.879 χ^2 /NDF: 2.2/2

-20.639 $\pm$ 74.033 χ^2 /NDF: 25.8/21

200.816 $\pm$ 69.304 χ^2 /NDF: 17.6/22

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 234.236+/-0.091 χ^2/NDF : 60280.2/4

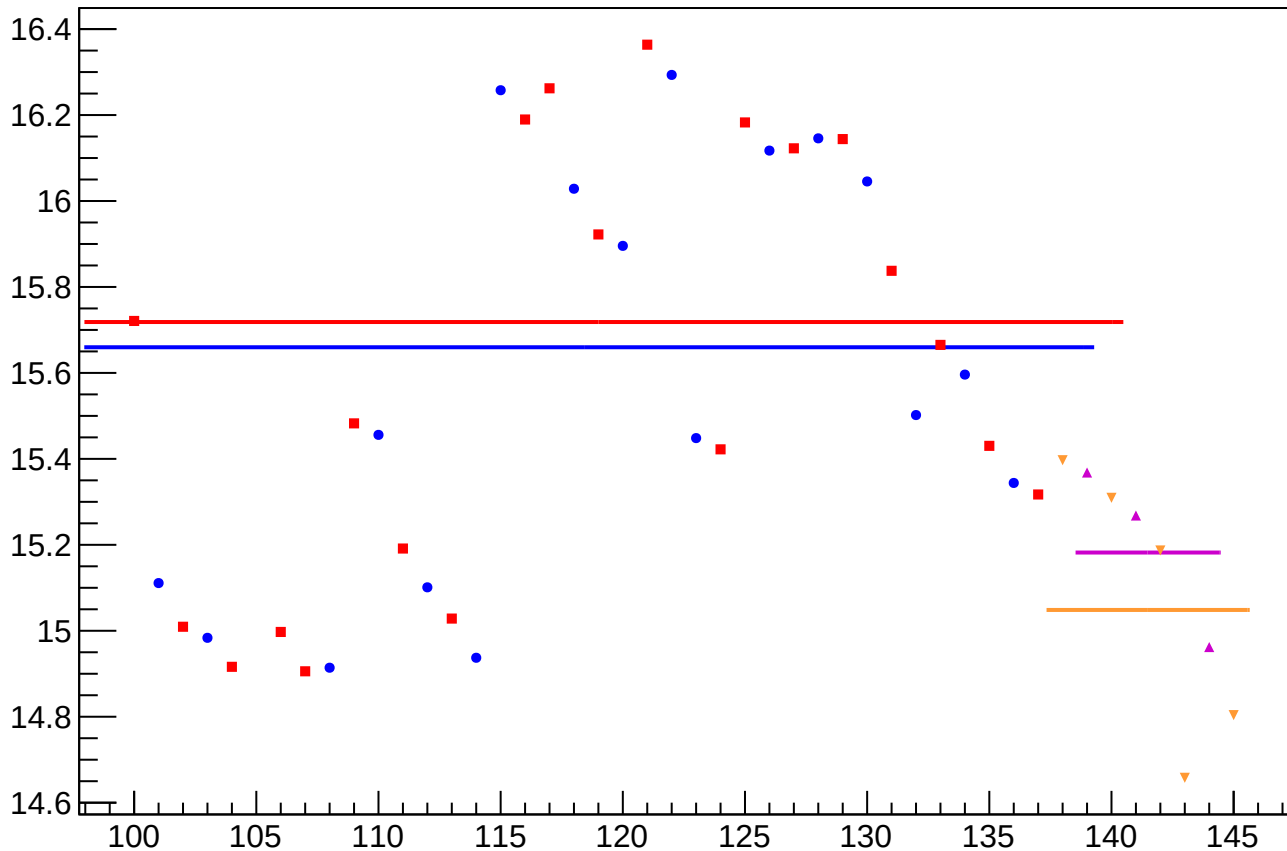
211.457+/-0.052 χ^2/NDF : 3540973.9/21

Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

186.058+/-0.049 χ^2/NDF : 4568103.1/22

Left In: 247.271+/-0.114 χ^2/NDF : 105708.6/2

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.048 $\pm$ 0.000 χ^2 /NDF: 3172375723.5/4

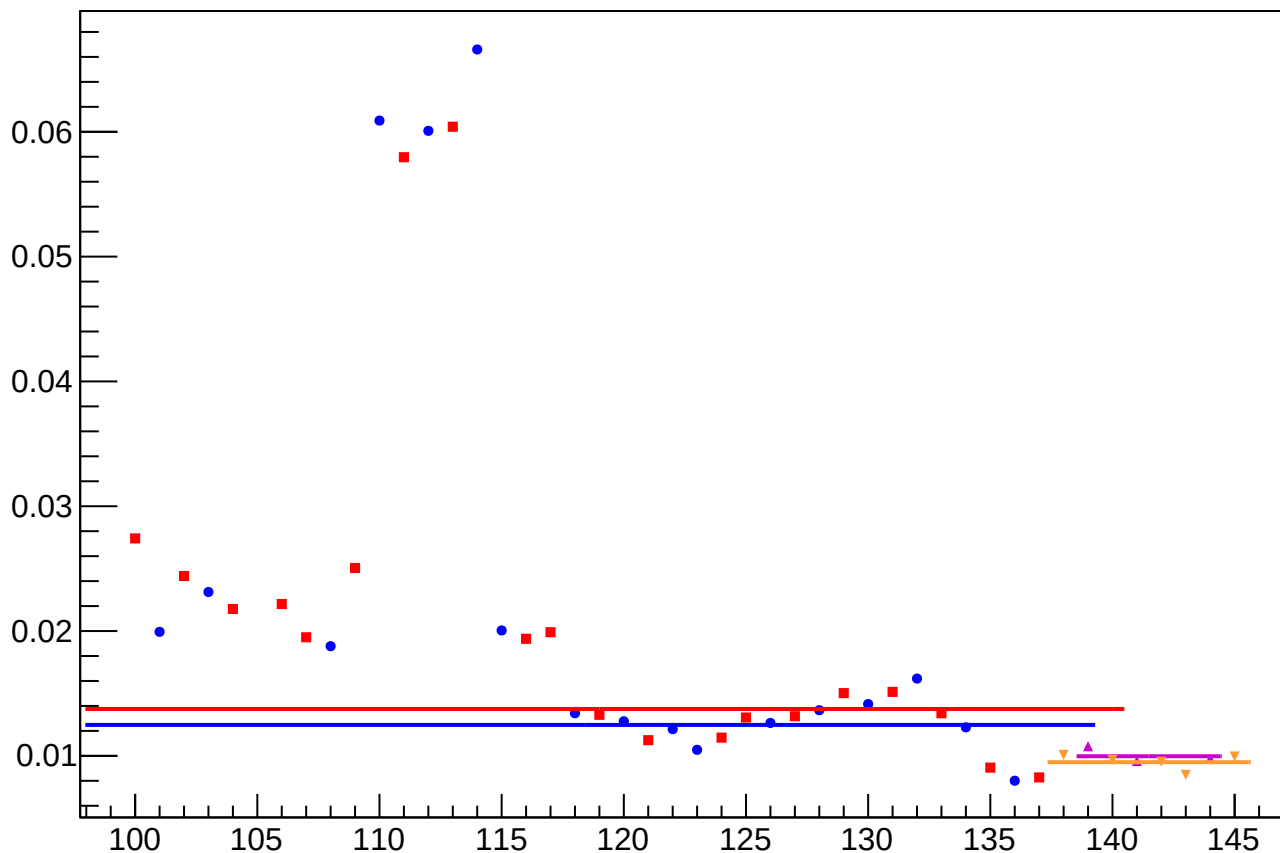
15.346 $\pm$ 0.000 χ^2 /NDF: 15291805417.3/21

Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

15.479 $\pm$ 0.000 χ^2 /NDF: 9889735962.7/22

Left In: 15.182 $\pm$ 0.000 χ^2 /NDF: 687723523.4/2

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:25747.9/4

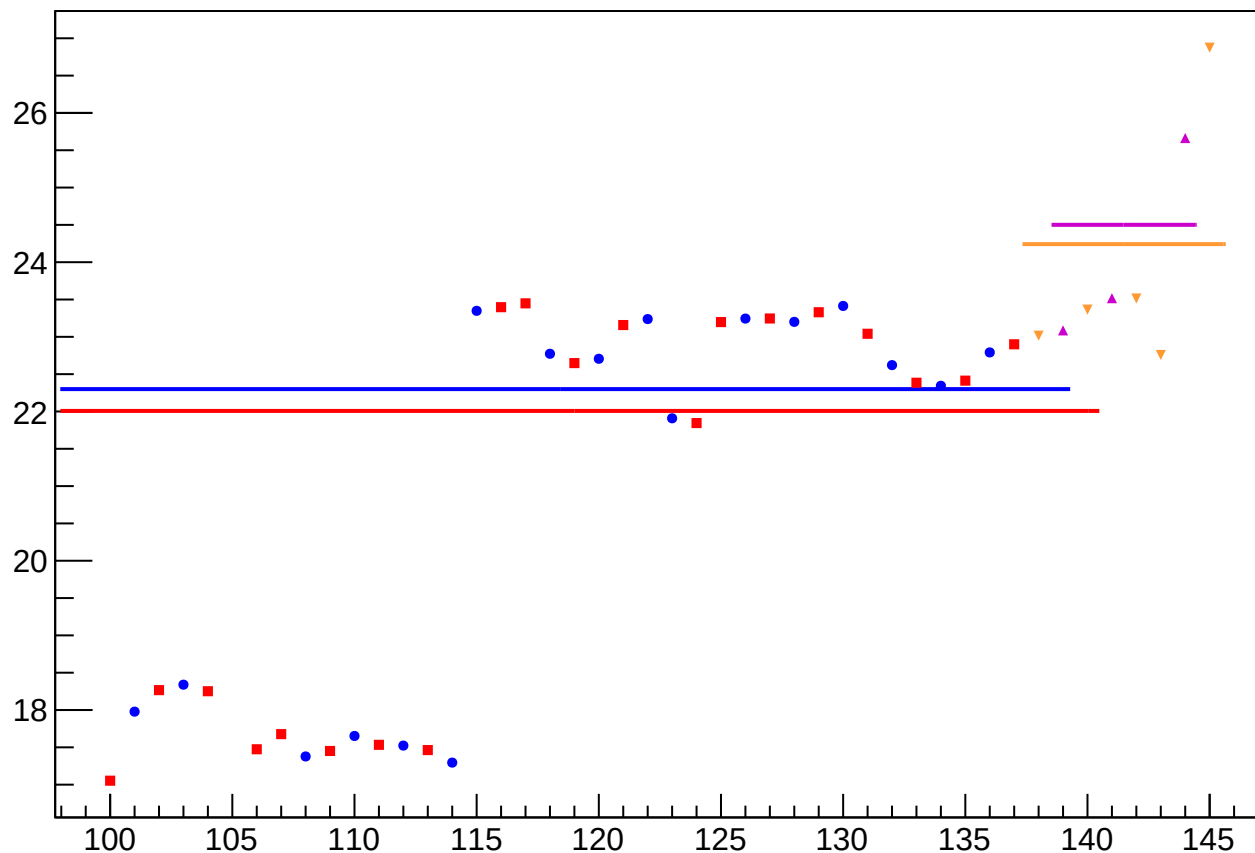
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:11039.9/2

0.011 $\pm$ 0.000 χ^2 /NDF: 2481167.8/21

0.012 $\pm$ 0.000 χ^2 /NDF: 2466485.7/22

yield_sam2_mean vs Slug



Right In: 22.300 ± 0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.242 ± 0.000 χ^2/NDF : 779086220.2/4

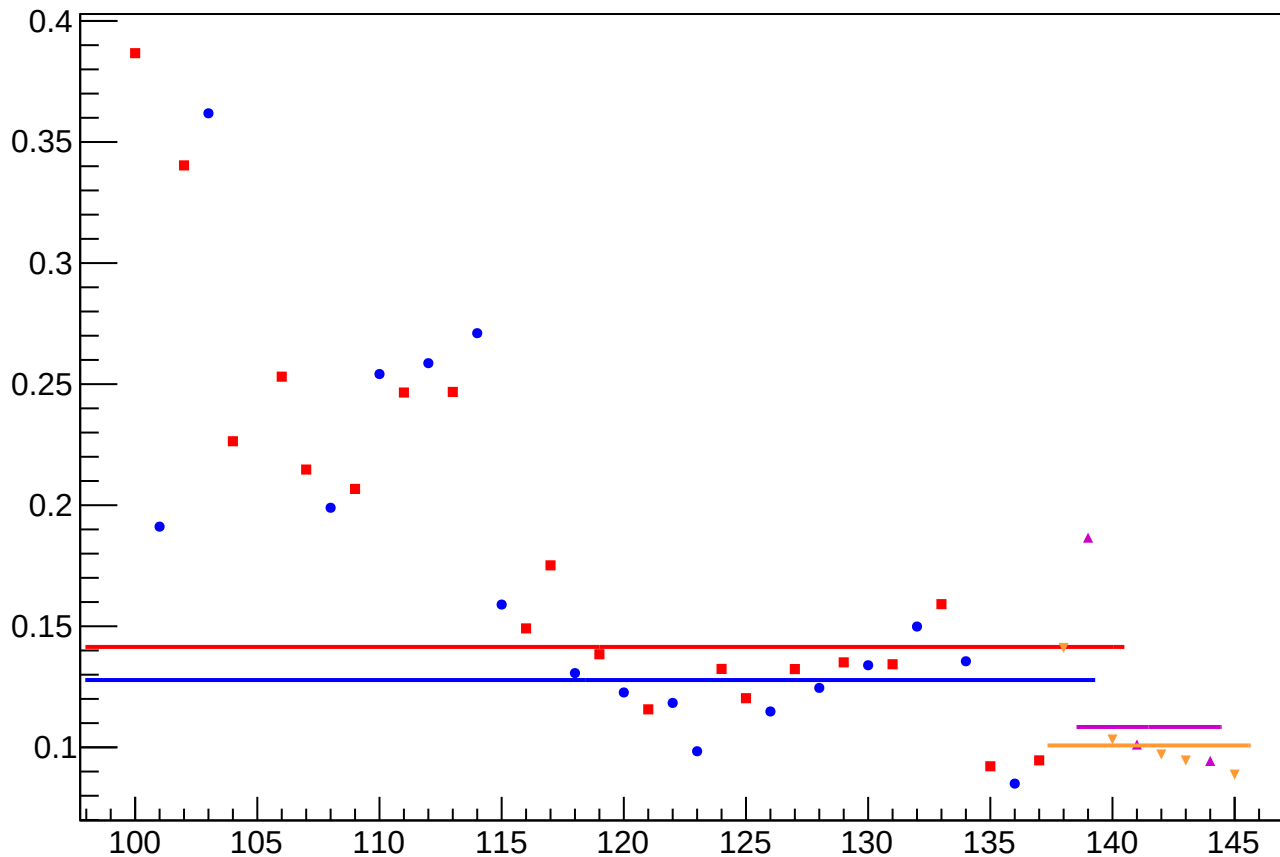
Right Out: 22.007 ± 0.000 χ^2/NDF : 1068683102.9/19

Left In: 24.501 ± 0.000 χ^2/NDF : 215174327.0/2

23.191 ± 0.000 χ^2/NDF : 2253661351.1/21

22.949 ± 0.000 χ^2/NDF : 1934423215.9/22

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.101+/-0.000 χ^2/NDF :133132.0/4

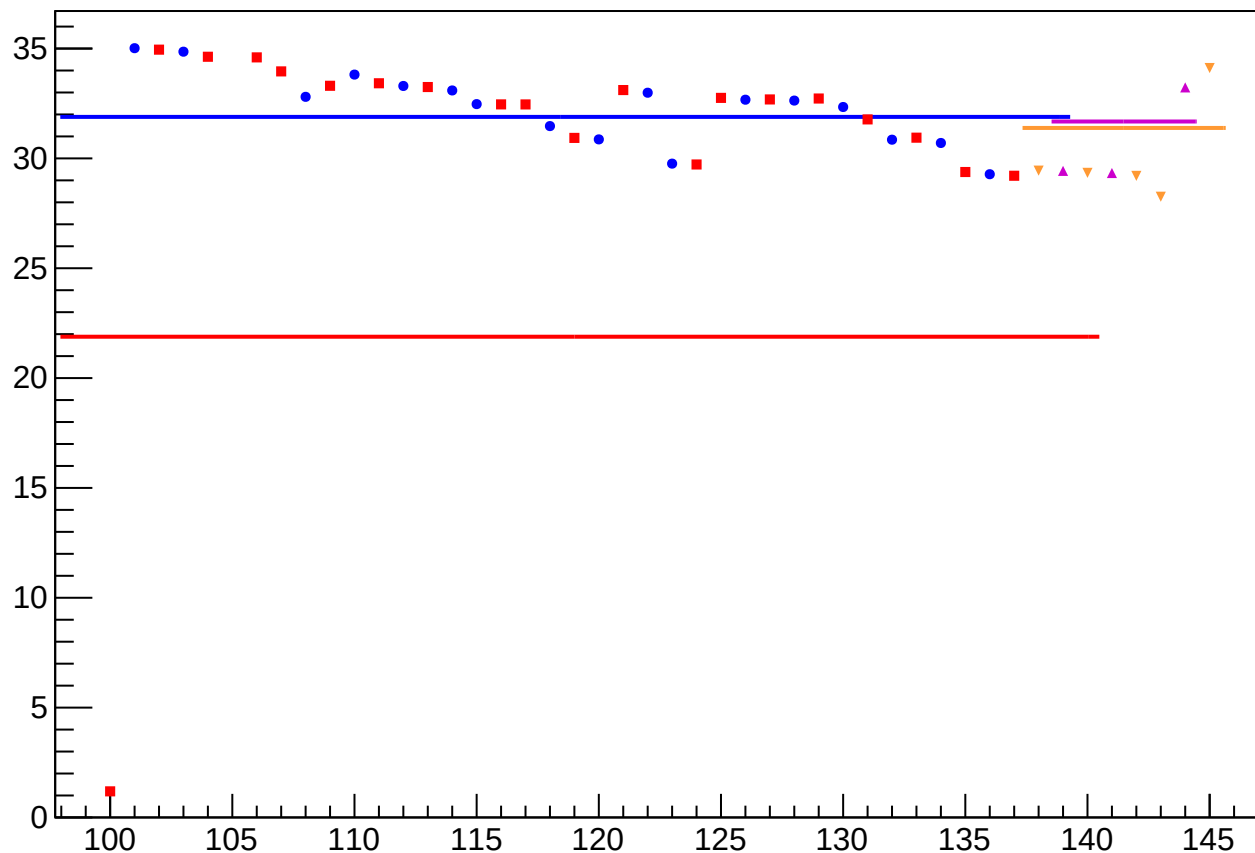
Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

Left In: 0.108+/-0.000 χ^2/NDF :292007.0/2

0.115+/-0.000 χ^2/NDF : 1832611.6/21

0.129+/-0.000 χ^2/NDF : 1972910.7/22

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.386+/-0.000 χ^2/NDF : 4102343123.7/4

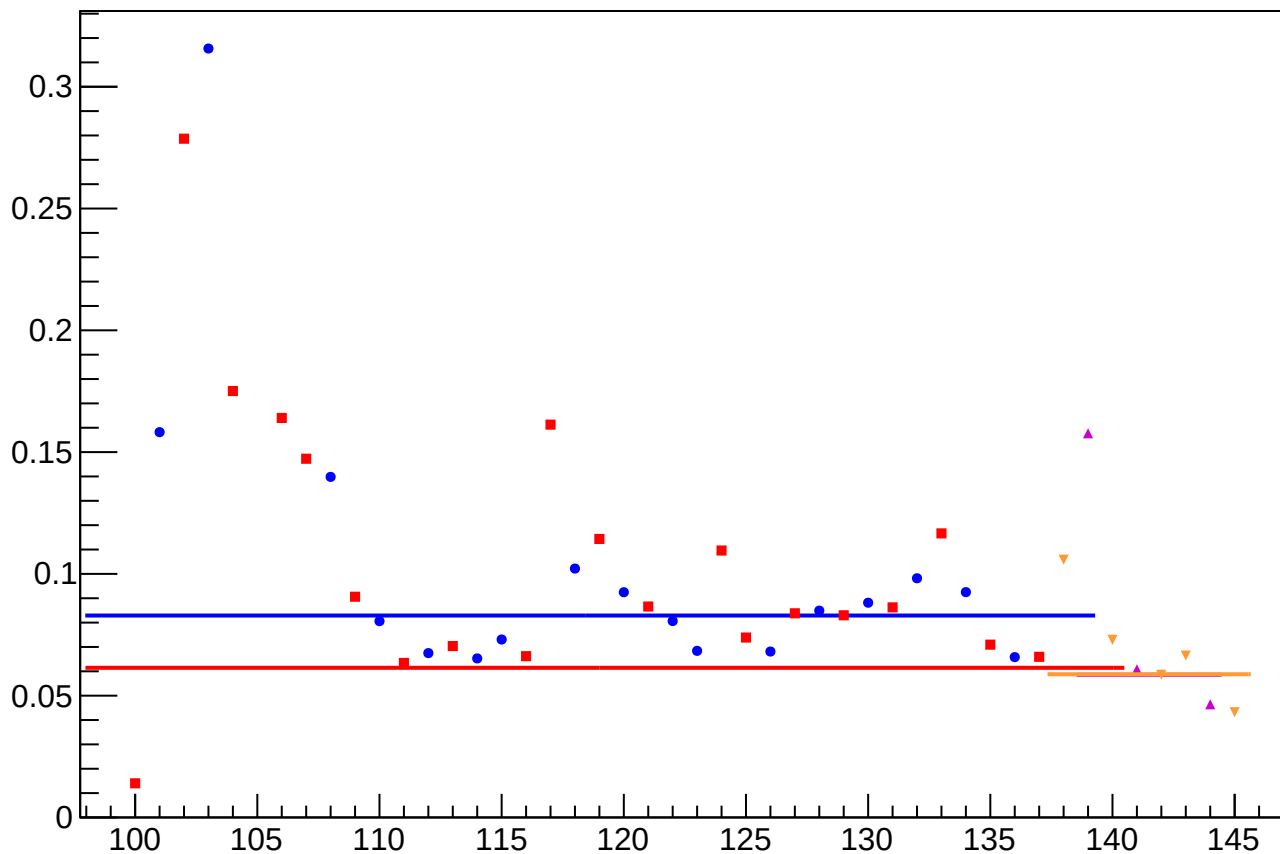
Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

Left In: 31.679+/-0.000 χ^2/NDF : 1588150596.1/2

31.656+/-0.000 χ^2/NDF : 6116441362.7/21

24.742+/-0.000 χ^2/NDF : 261686774914.8/22

yield_sam3_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 412706.7/4

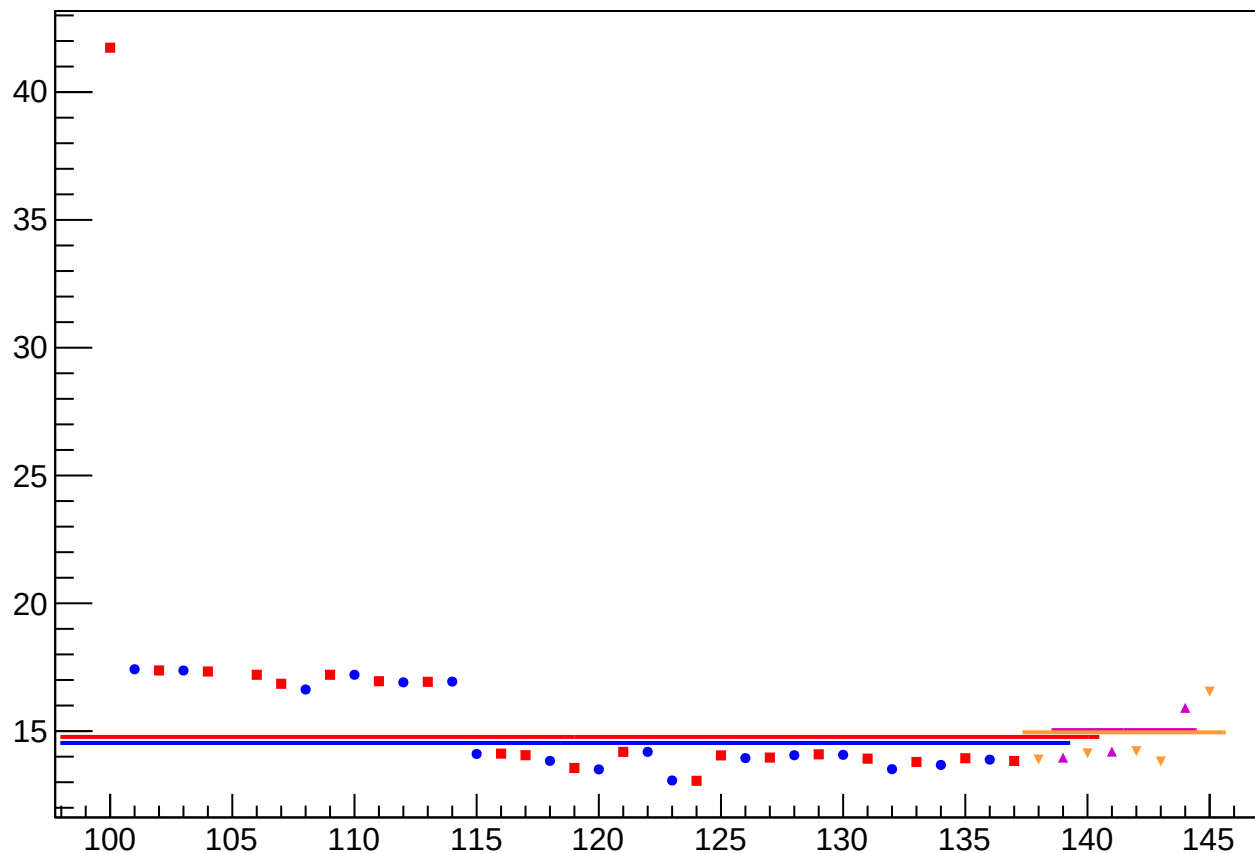
Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3635656.2/19

Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 645263.2/2

0.072 $\pm$ 0.000 χ^2 /NDF: 1961619.2/21

0.061 $\pm$ 0.000 χ^2 /NDF: 4286052.8/22

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.952+/-0.000 χ^2/NDF : 938288565.9/4

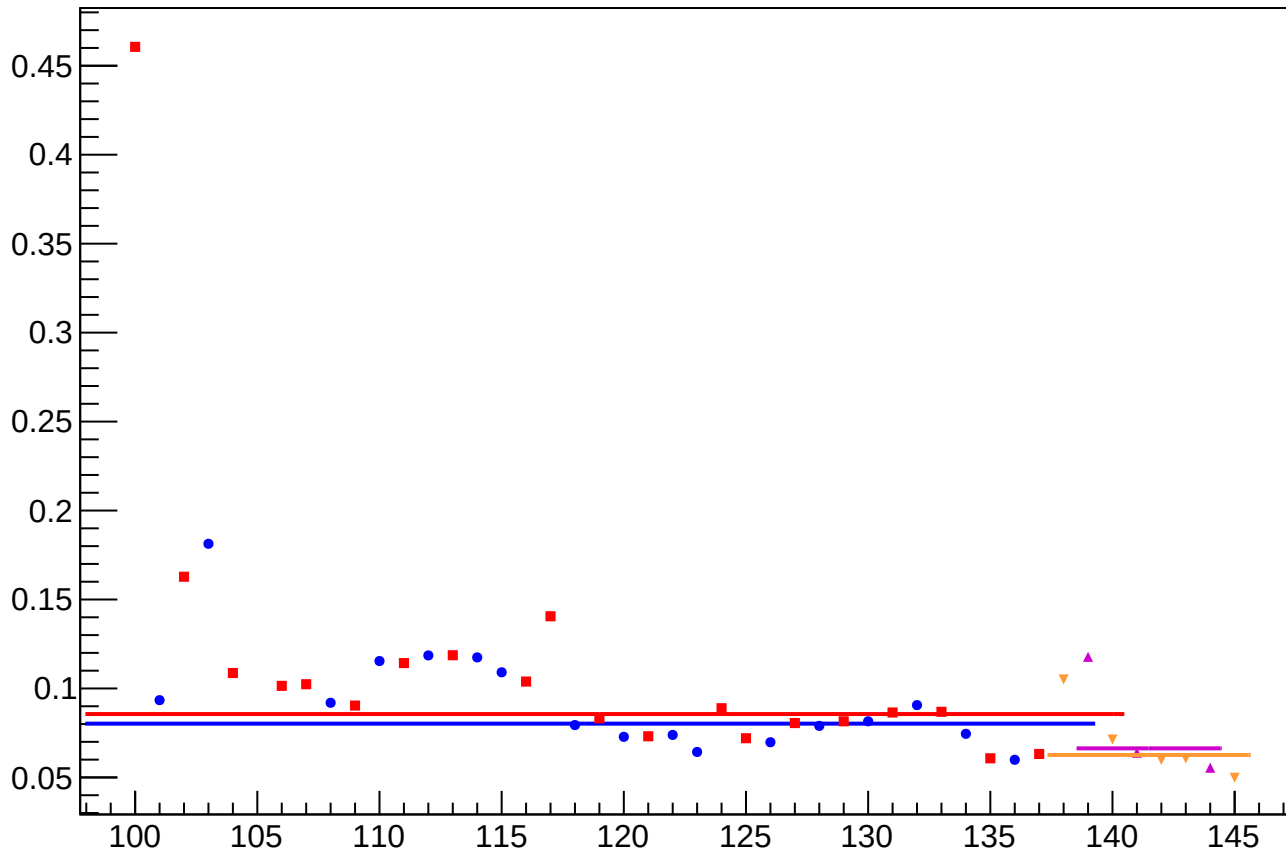
Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

Left In: 15.039+/-0.000 χ^2/NDF : 323069691.7/2

14.709+/-0.000 χ^2/NDF : 2470850754.7/21

14.862+/-0.000 χ^2/NDF : 2230172461.5/22

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.063+/-0.000 χ^2/NDF :303683.5/4

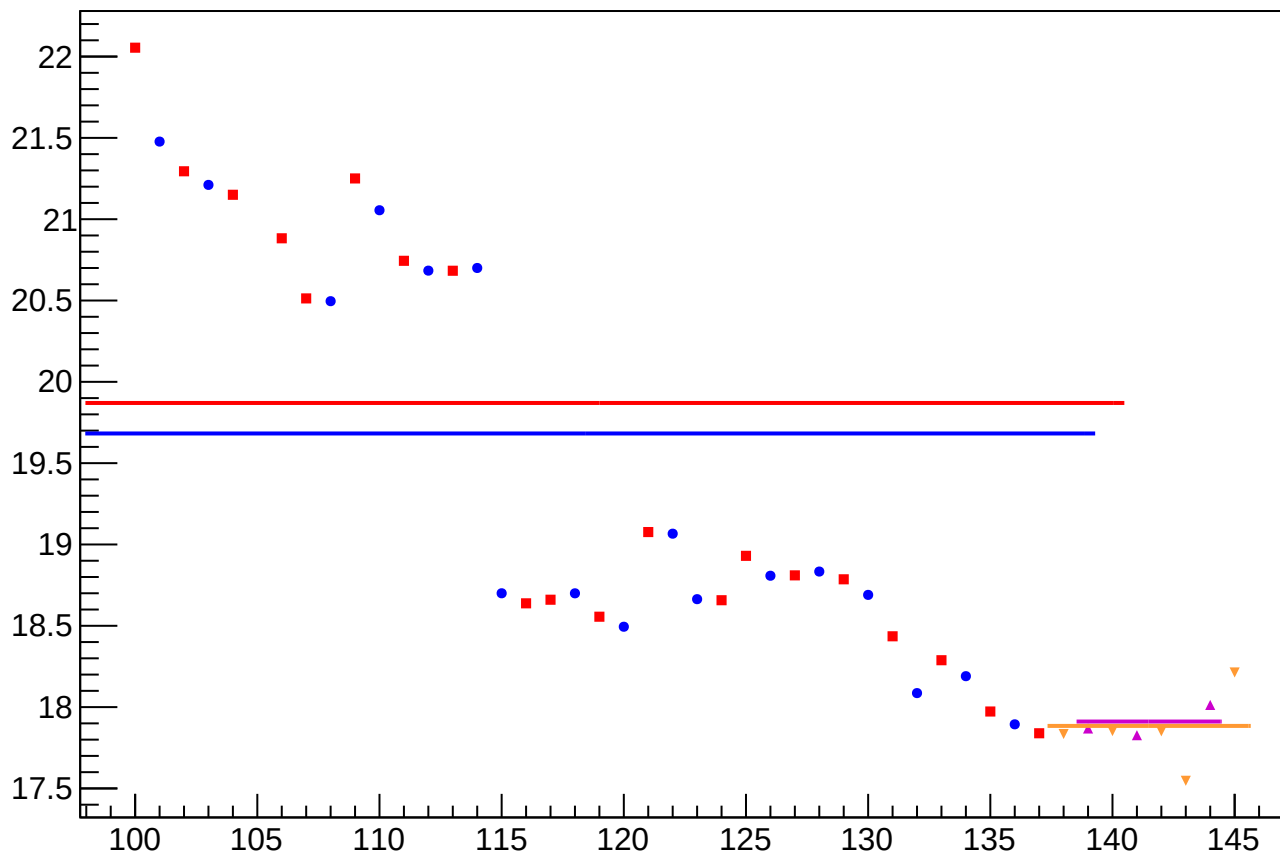
Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

Left In: 0.066+/-0.000 χ^2/NDF :320420.0/2

0.073+/-0.000 χ^2/NDF : 1304589.2/21

0.079+/-0.000 χ^2/NDF : 1272579.6/22

yield_sam5_mean vs Slug



Right In: 19.683 ± 0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.884 ± 0.000 χ^2/NDF : 179288126.1/4

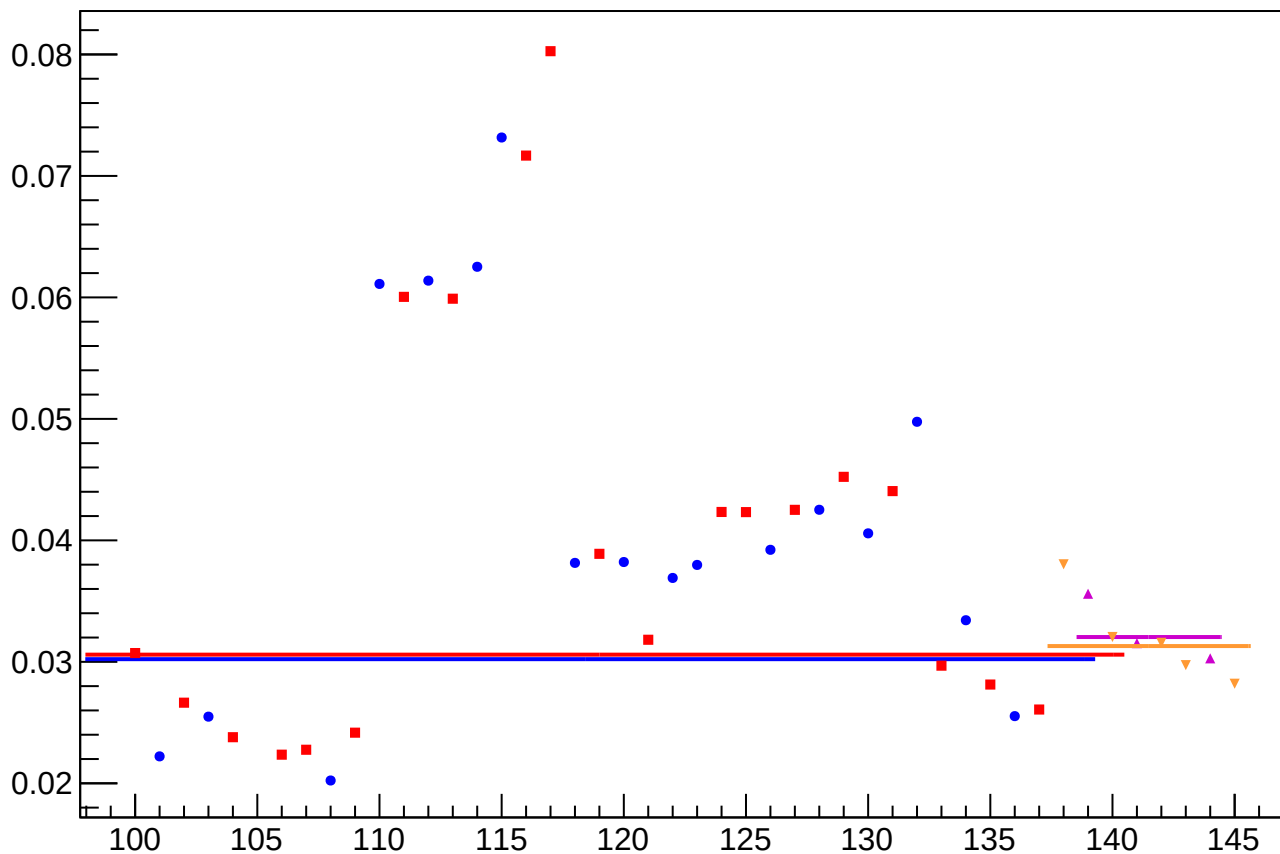
Right Out: 19.870 ± 0.000 χ^2/NDF : 11333011670.6/19

Left In: 17.911 ± 0.000 χ^2/NDF : 15963016.5/2

19.064 ± 0.000 χ^2/NDF : 19252644519.8/21

19.357 ± 0.000 χ^2/NDF : 17708344518.7/22

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.031+/-0.000 χ^2/NDF : 65392.2/4

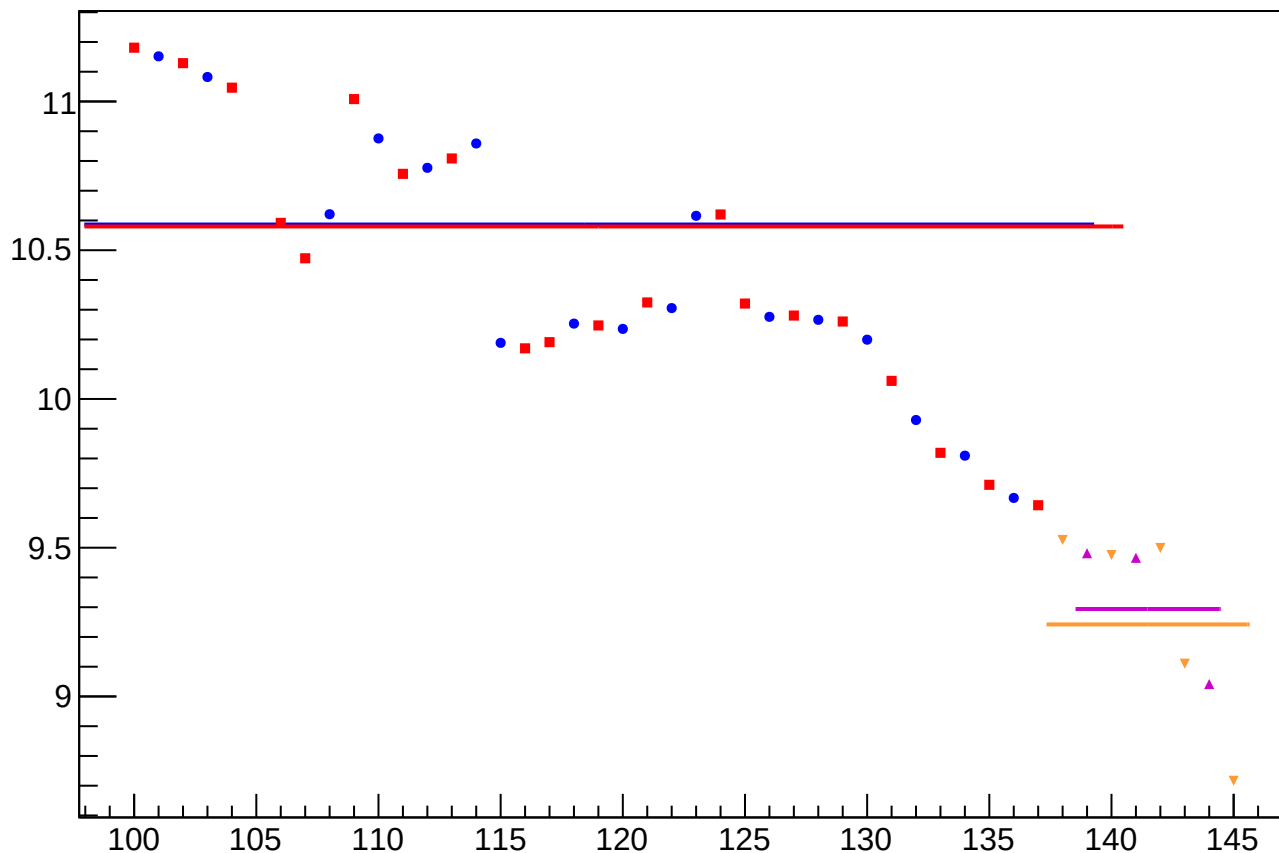
Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

Left In: 0.032+/-0.000 χ^2/NDF : 19903.2/2

0.031+/-0.000 χ^2/NDF : 1394801.3/21

0.031+/-0.000 χ^2/NDF : 1246093.0/22

yield_sam6_mean vs Slug



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.242+/-0.000 χ^2/NDF : 860565620.5/4

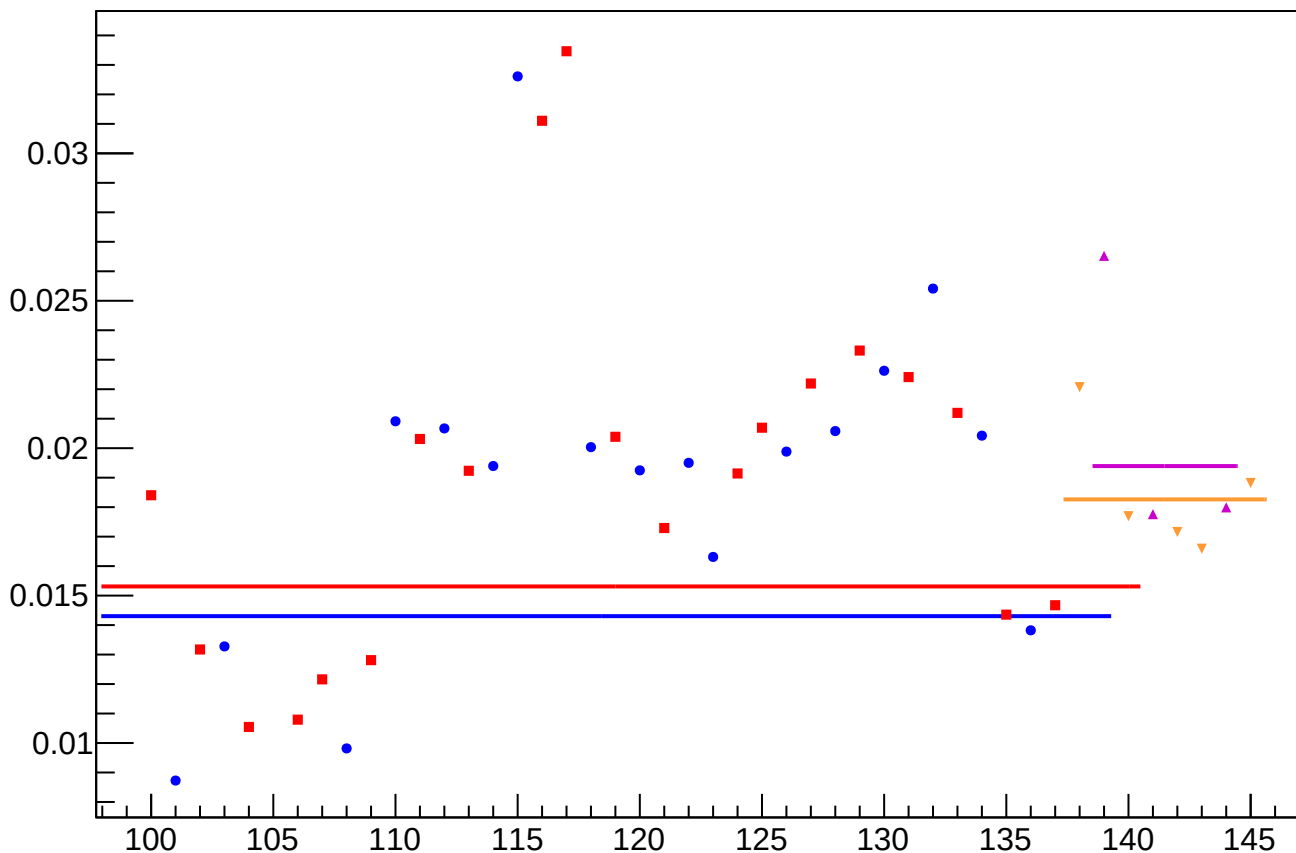
Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

Left In: 9.294+/-0.000 χ^2/NDF : 259998999.4/2

10.245+/-0.000 χ^2/NDF : 20228524992.0/21

10.339+/-0.000 χ^2/NDF : 13862404225.8/22

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.018+/-0.000 χ^2/NDF : 57738.4/4

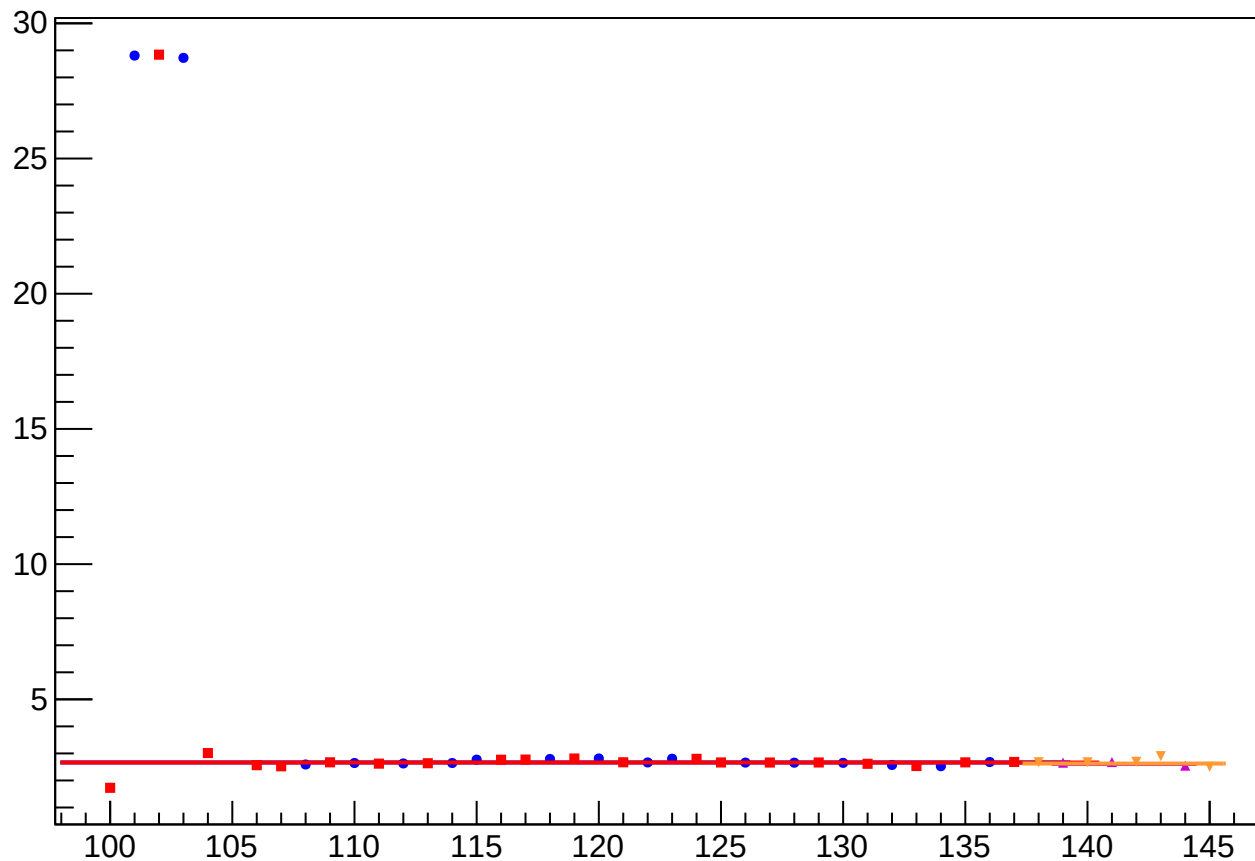
Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

Left In: 0.019+/-0.000 χ^2/NDF : 126073.3/2

0.015+/-0.000 χ^2/NDF : 1673145.2/21

0.016+/-0.000 χ^2/NDF : 1295466.0/22

yield_sam7_mean vs Slug



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.626+/-0.000 χ^2/NDF : 10827911798.1/4

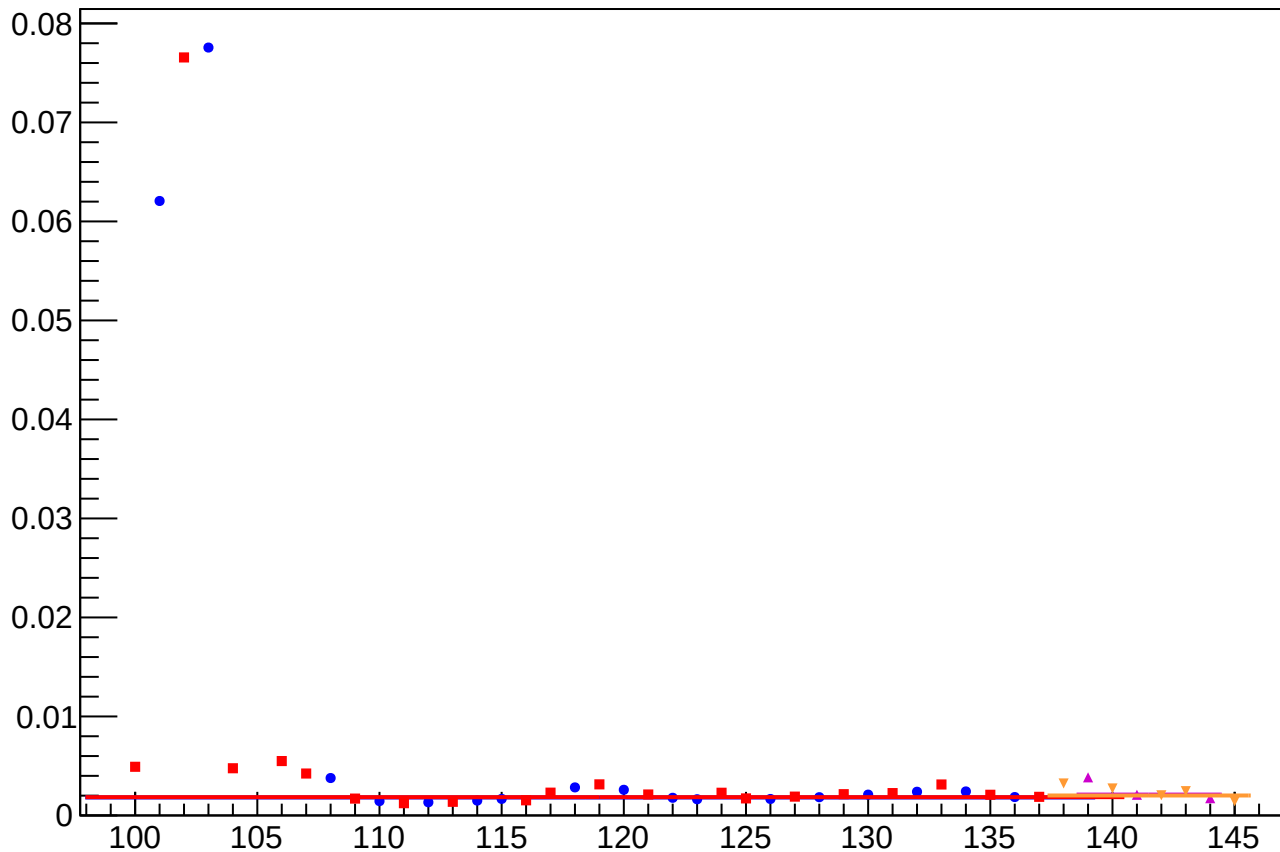
Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

Left In: 2.608+/-0.000 χ^2/NDF : 1687687619.2/2

2.654+/-0.000 χ^2/NDF : 174661755841.1/21

2.651+/-0.000 χ^2/NDF : 73182751009.1/22

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF :479128.4/4

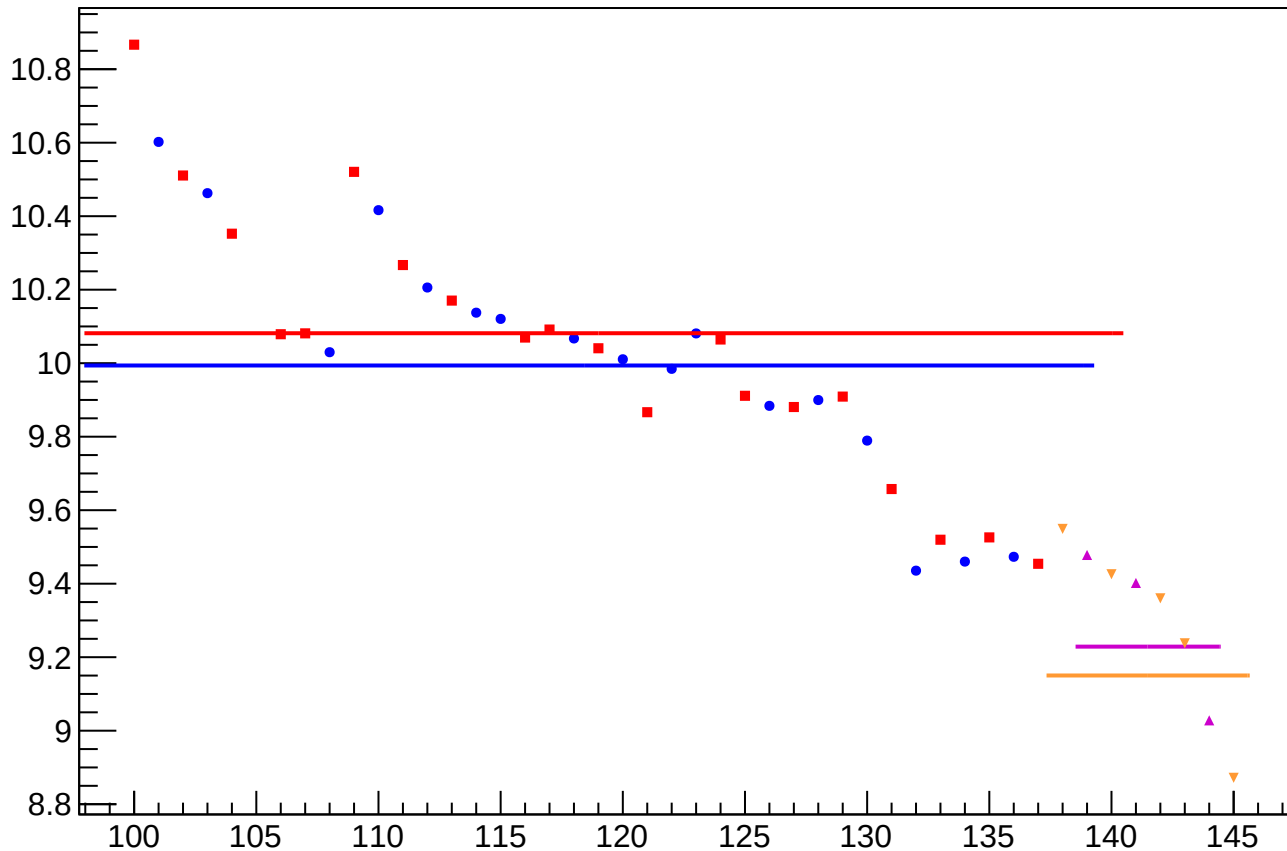
Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

Left In: 0.002+/-0.000 χ^2/NDF :344227.2/2

0.002+/-0.000 χ^2/NDF : 3172832.6/21

0.002+/-0.000 χ^2/NDF : 2721265.8/22

yield_sam8_mean vs Slug



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 9.150 $\pm$ 0.000 χ^2 /NDF: 4358937462.1/4

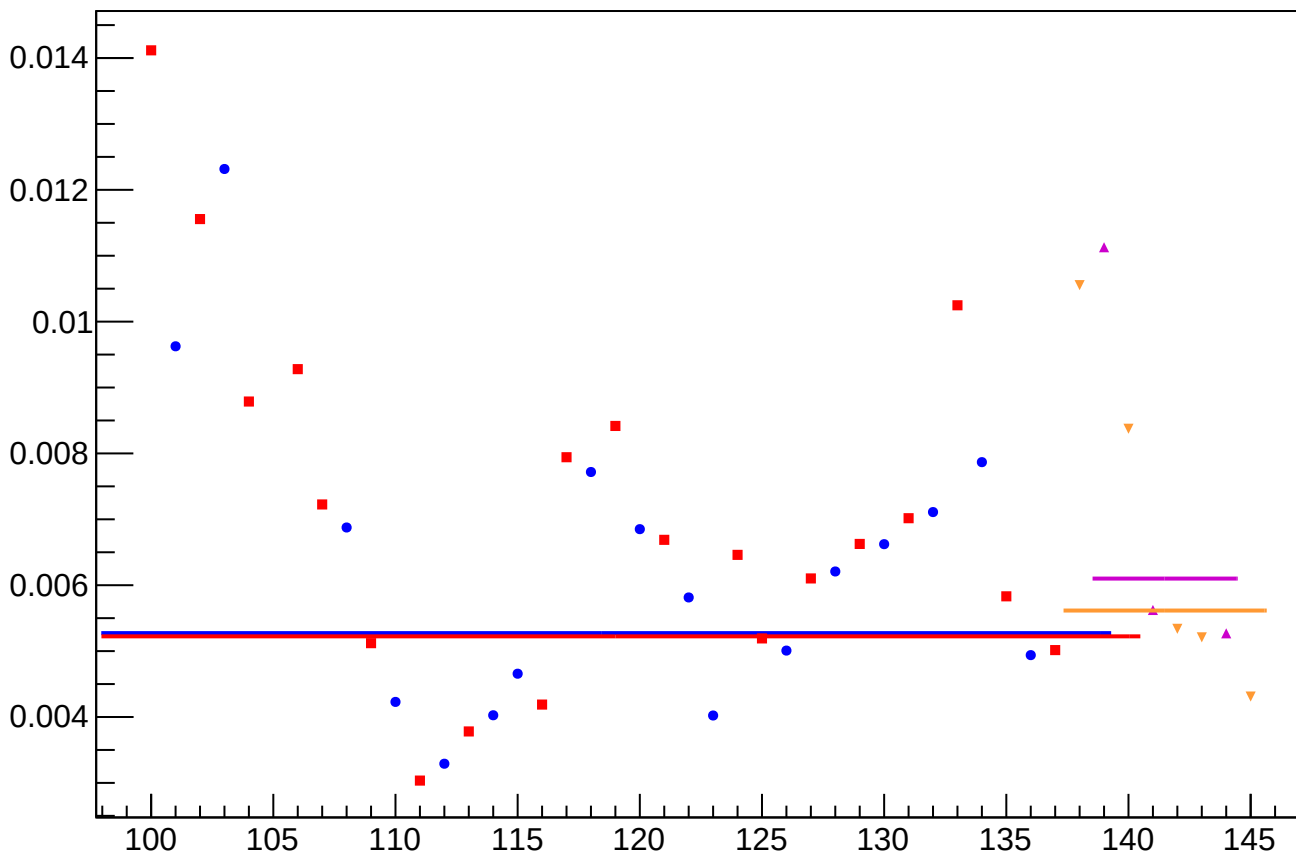
9.754 $\pm$ 0.000 χ^2 /NDF: 59703302839.5/21

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502760782.3/19

9.916 $\pm$ 0.000 χ^2 /NDF: 44596105362.8/22

Left In: 9.229 $\pm$ 0.000 χ^2 /NDF: 1807756099.8/2

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 493522.0/4

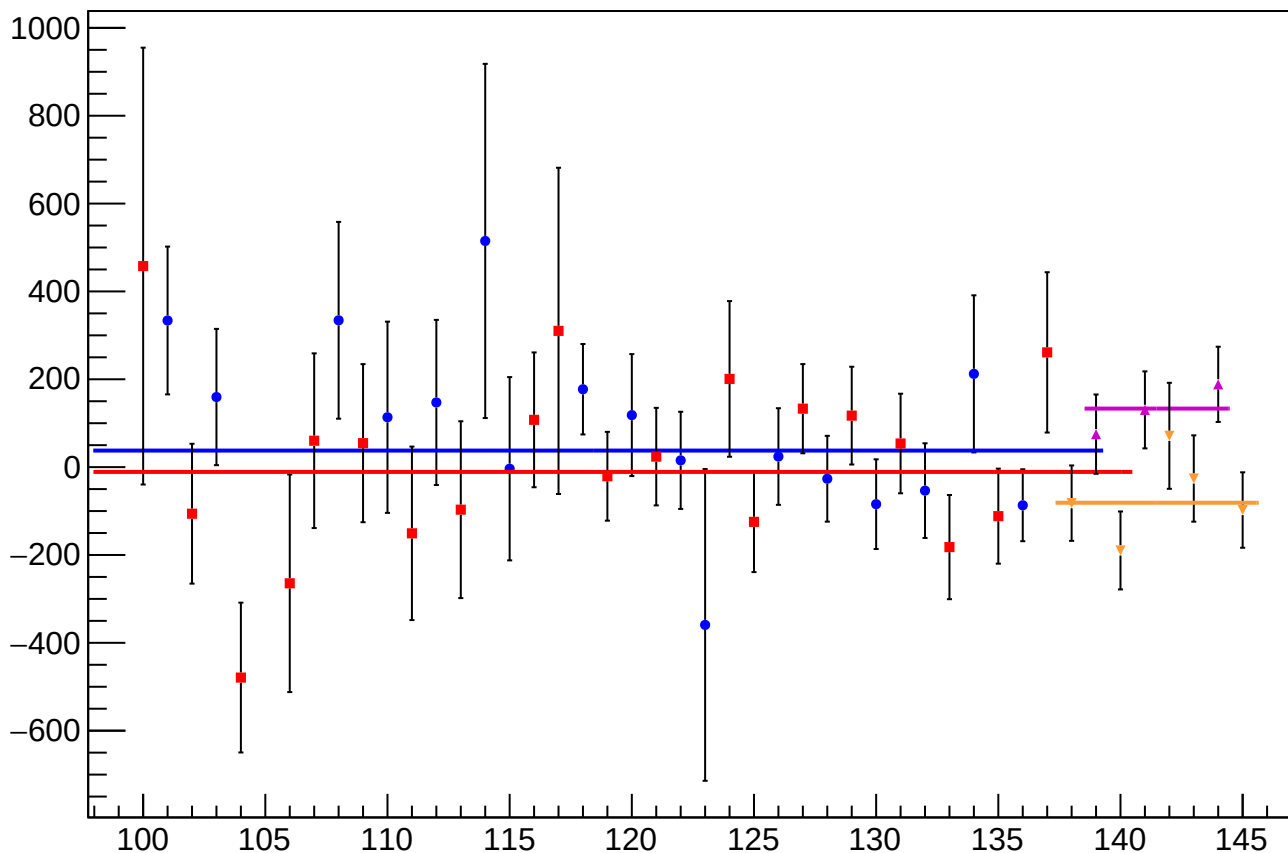
Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

Left In: 0.006+/-0.000 χ^2/NDF : 317490.7/2

0.005+/-0.000 χ^2/NDF : 1751146.6/21

0.005+/-0.000 χ^2/NDF : 2042681.5/22

reg_asym_sam1_mean vs Slug



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -81.072 $\pm$ 41.863 χ^2 /NDF: 3.4/4

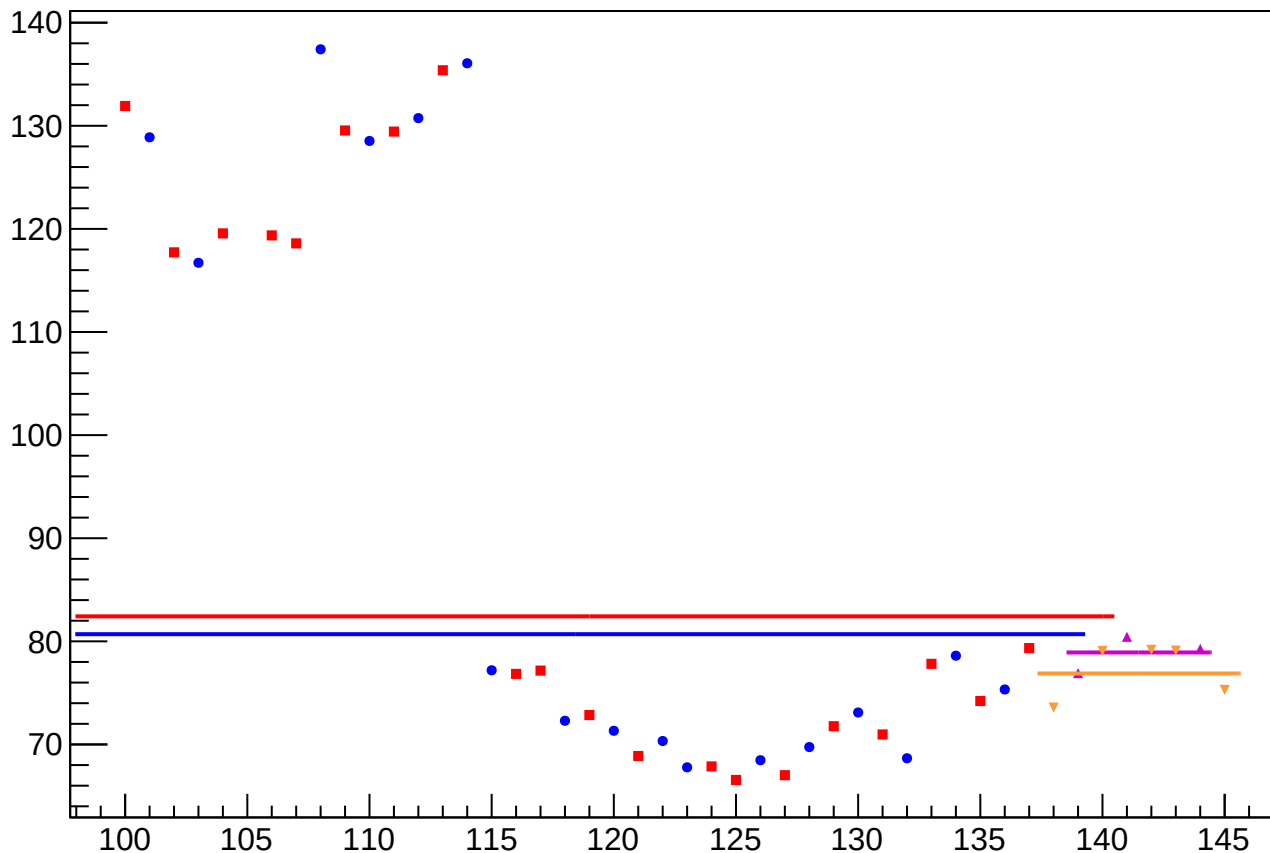
Right Out: -10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

Left In: 133.293 $\pm$ 50.694 χ^2 /NDF: 0.8/2

-6.545 $\pm$ 25.550 χ^2 /NDF: 25.2/21

30.099 $\pm$ 27.028 χ^2 /NDF: 30.1/22

reg_asym_sam1_rms vs Slug



Right In: 80.694 ± 0.023 χ^2/NDF : 814026.4/16

Left Out: 76.883 ± 0.030 χ^2/NDF : 6613.0/4

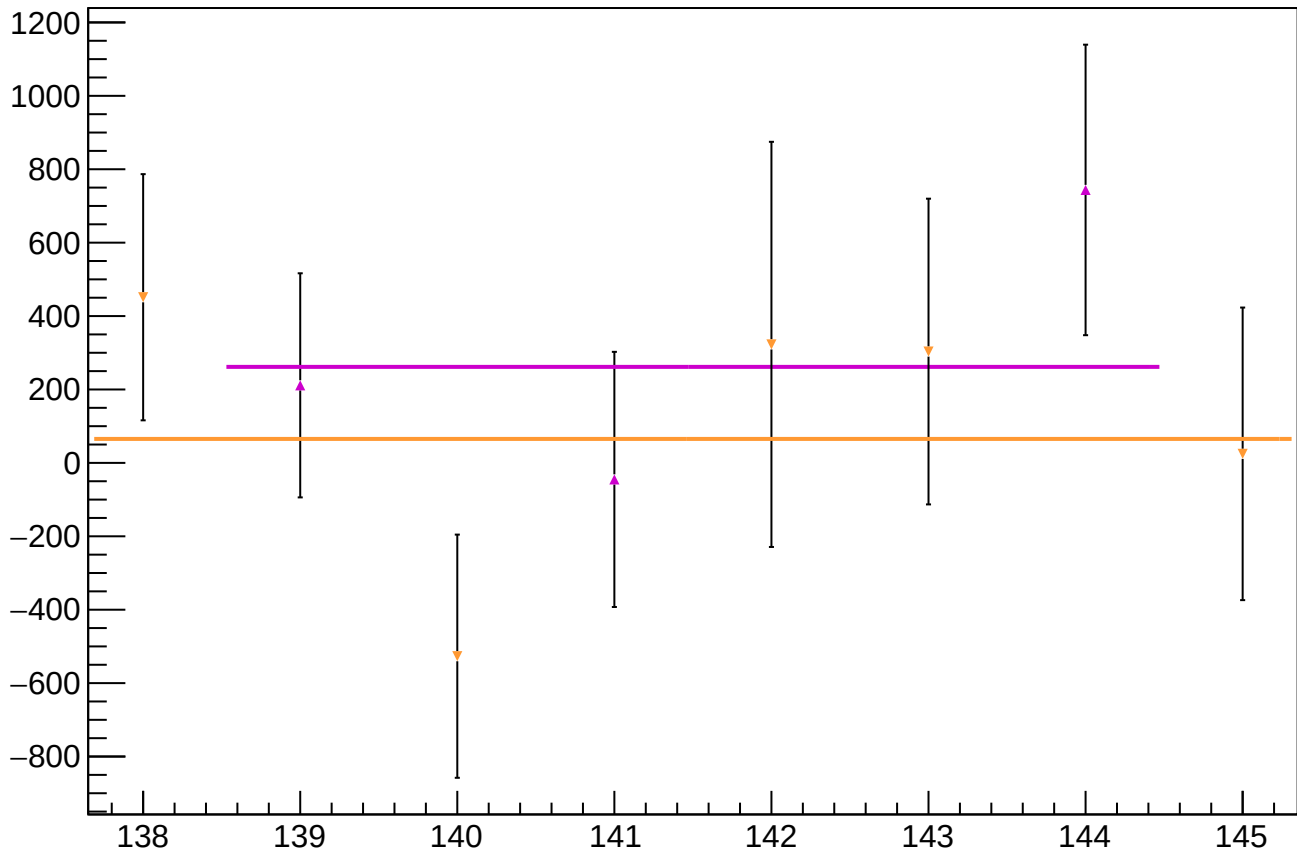
Right Out: 82.424 ± 0.023 χ^2/NDF : 915282.5/19

Left In: 78.922 ± 0.036 χ^2/NDF : 1618.6/2

79.275 ± 0.018 χ^2/NDF : 831042.5/21

81.429 ± 0.019 χ^2/NDF : 923733.3/22

asym_sam1_correction_mean vs Slug



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

Left Out: 65.302+/-173.170 χ^2/NDF : 5.1/4

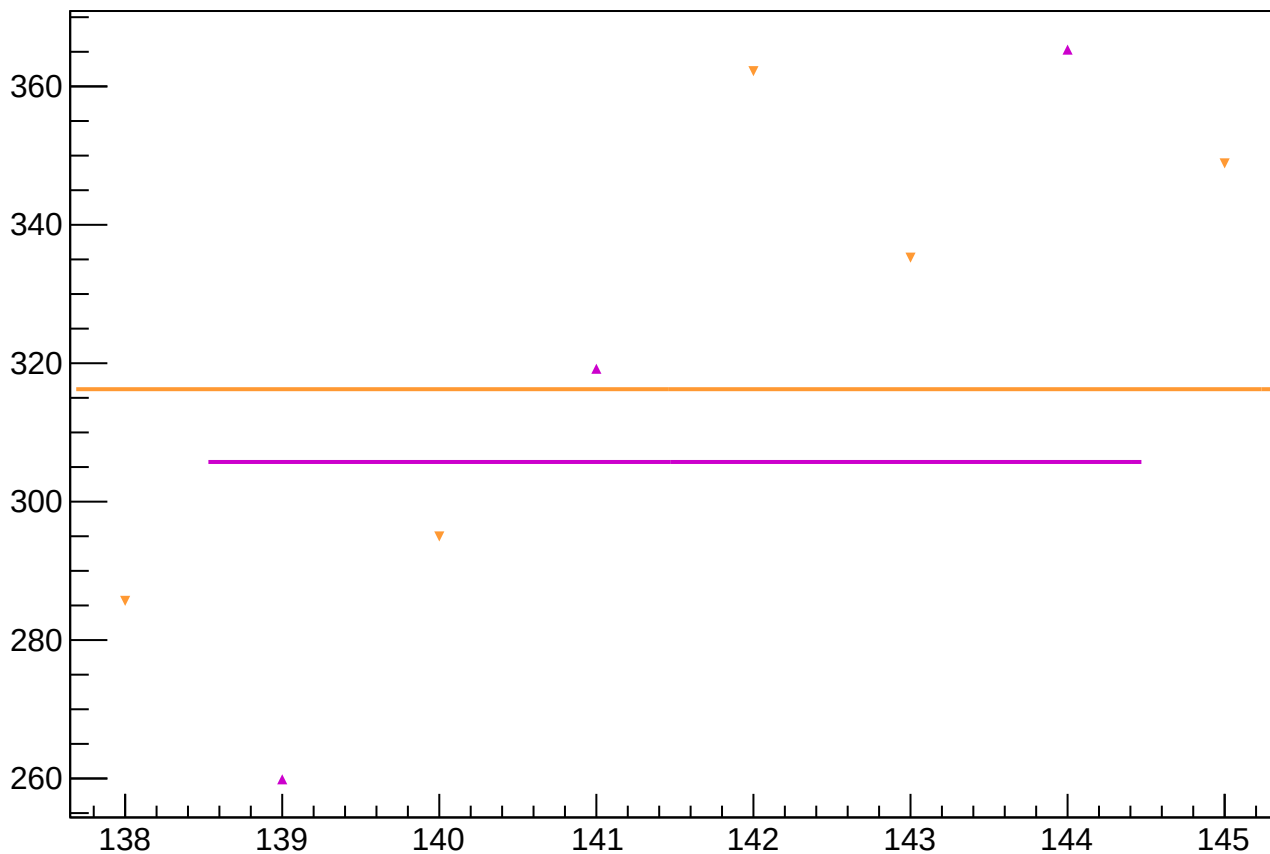
65.302+/-173.170 χ^2/NDF : 5.1/4

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

261.587+/-198.449 χ^2/NDF : 2.3/2

Left In: 261.587+/-198.449 χ^2/NDF : 2.3/2

asym_sam1_correction_rms vs Slug



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

316.250+/-0.122 χ^2/NDF : 56318.2/4

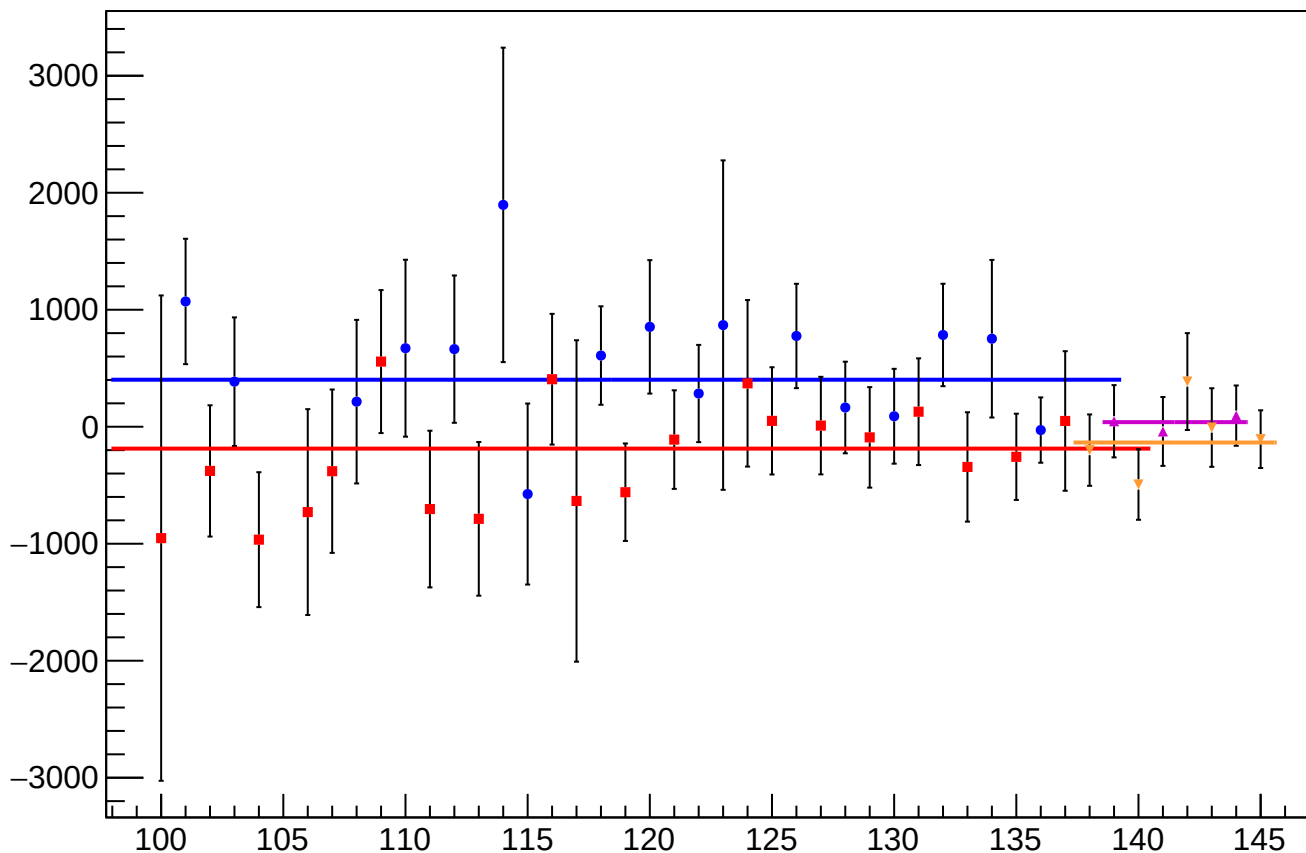
Left Out: 316.250+/-0.122 χ^2/NDF : 56318.2/4

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

305.733+/-0.140 χ^2/NDF : 93455.7/2

Left In: 305.733+/-0.140 χ^2/NDF : 93455.7/2

reg_asym_sam2_mean vs Slug



Right In: 401.871+/-121.048 χ^2/NDF : 10.9/16

Left Out: -134.914+/-137.513 χ^2/NDF : 3.2/4

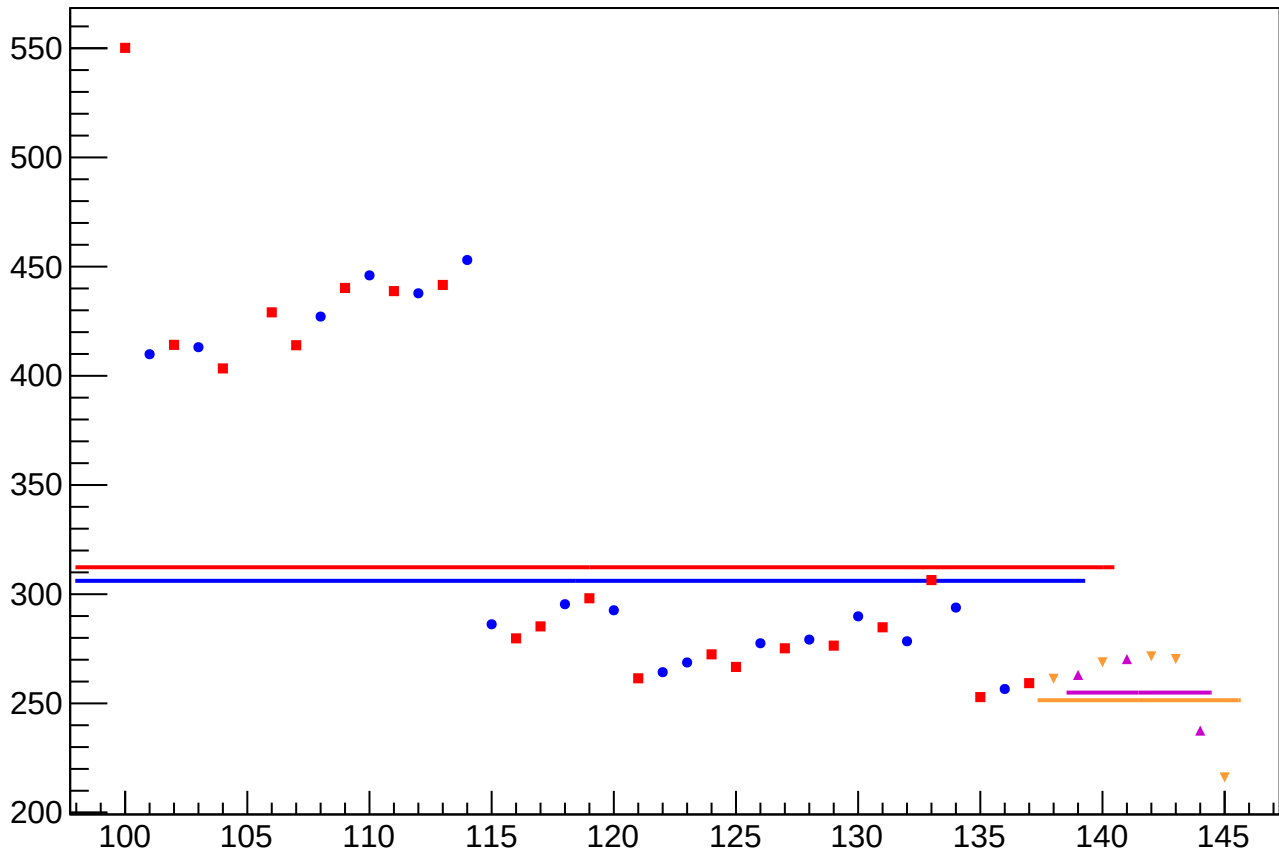
Right Out: -186.914+/-119.879 χ^2/NDF : 9.4/19

Left In: 39.315+/-164.210 χ^2/NDF : 0.1/2

167.523+/-90.860 χ^2/NDF : 22.7/21

-108.263+/-96.823 χ^2/NDF : 10.8/22

reg_asym_sam2_rms vs Slug



Right In: 306.123 ± 0.086 χ^2/NDF : 508435.8/16

Left Out: 251.456 ± 0.097 χ^2/NDF : 60795.6/4

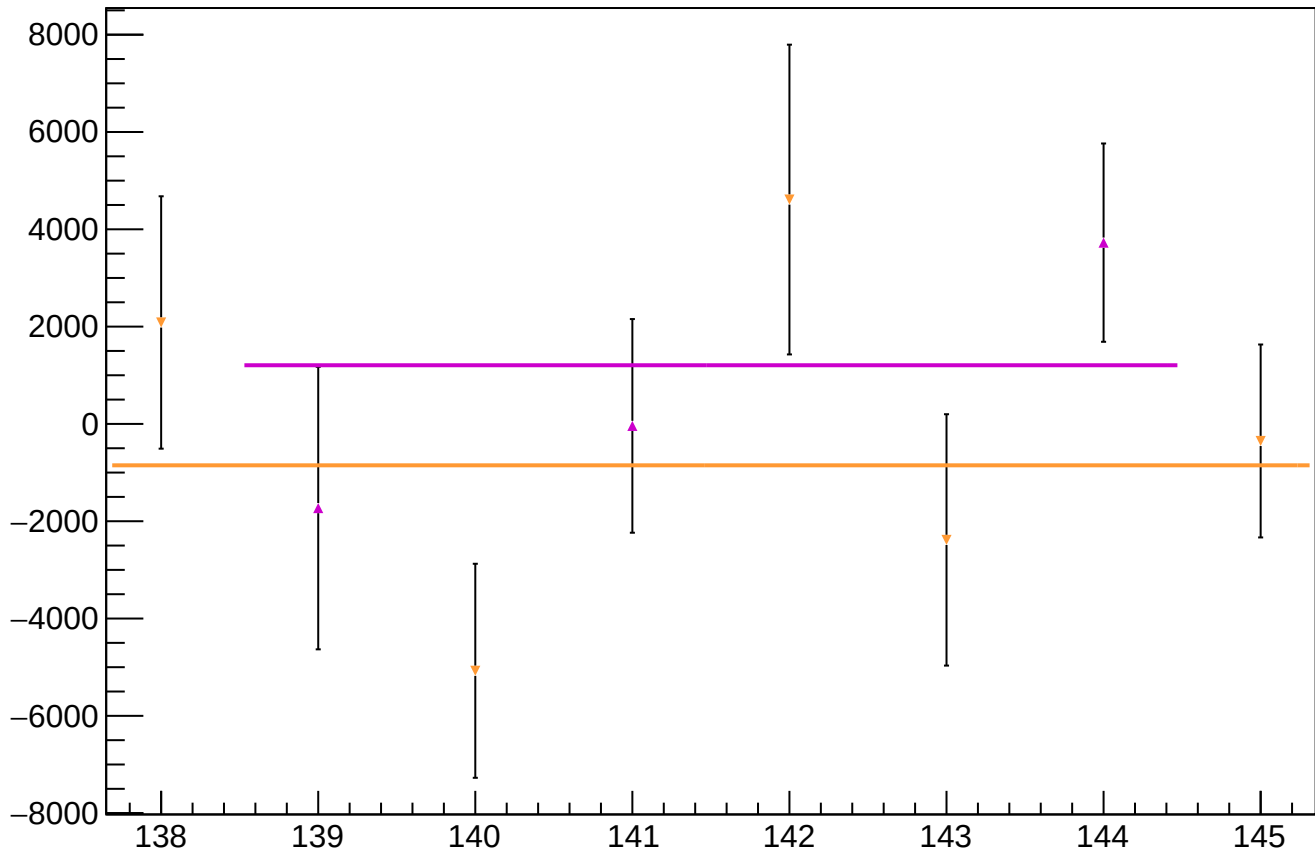
Right Out: 312.335 ± 0.085 χ^2/NDF : 626552.3/19

Left In: 254.947 ± 0.116 χ^2/NDF : 15922.9/2

282.257 ± 0.064 χ^2/NDF : 747318.7/21

292.383 ± 0.068 χ^2/NDF : 801820.2/22

asym_sam2_correction_mean vs Slug



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

Left Out: -850.781+/-1079.410 χ^2/NDF : 8.3/4

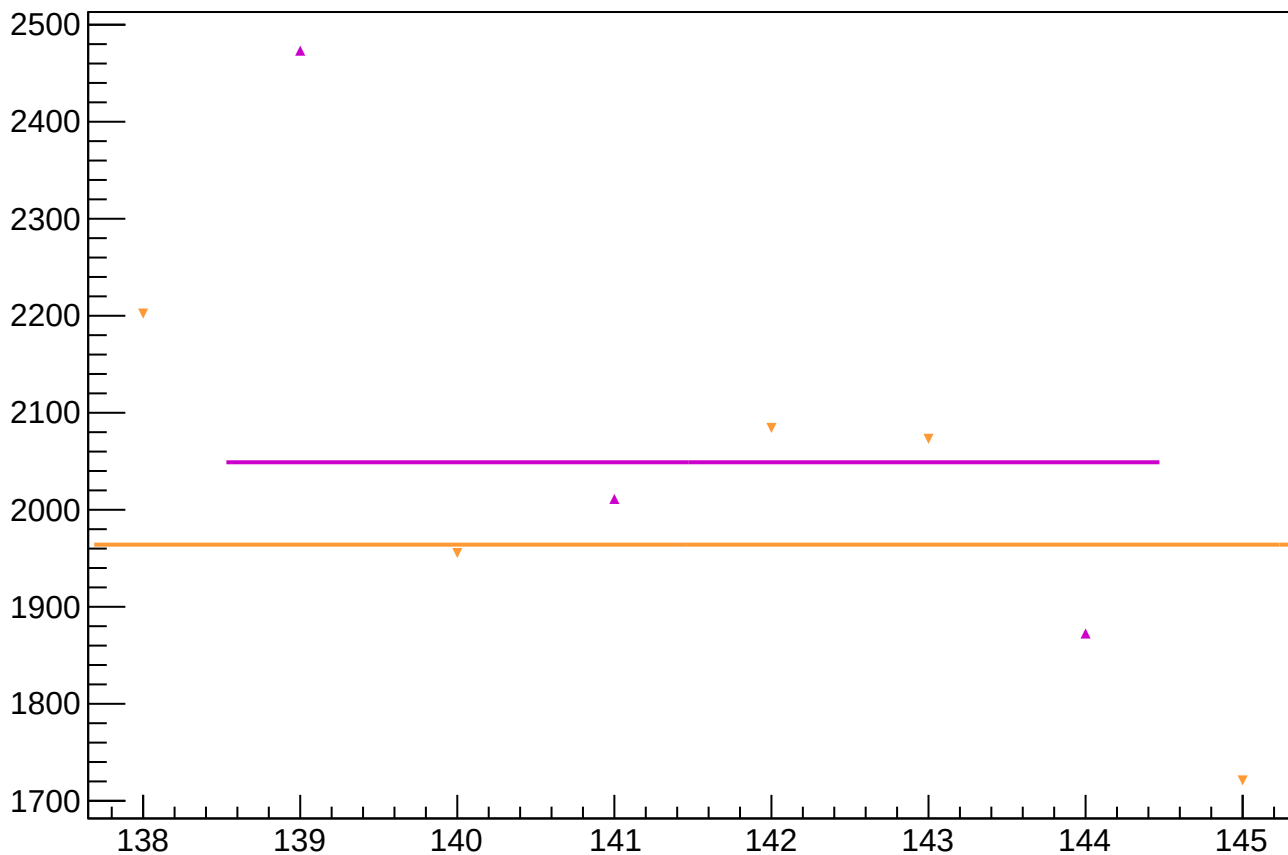
-850.781+/-1079.410 χ^2/NDF : 8.3/4

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

1205.900+/-1328.250 χ^2/NDF : 2.9/2

Left In: 1205.900+/-1328.250 χ^2/NDF : 2.9/2

asym_sam2_correction_rms vs Slug



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

Left Out: 1964.070+/-0.763 χ^2/NDF : 53371.1/4

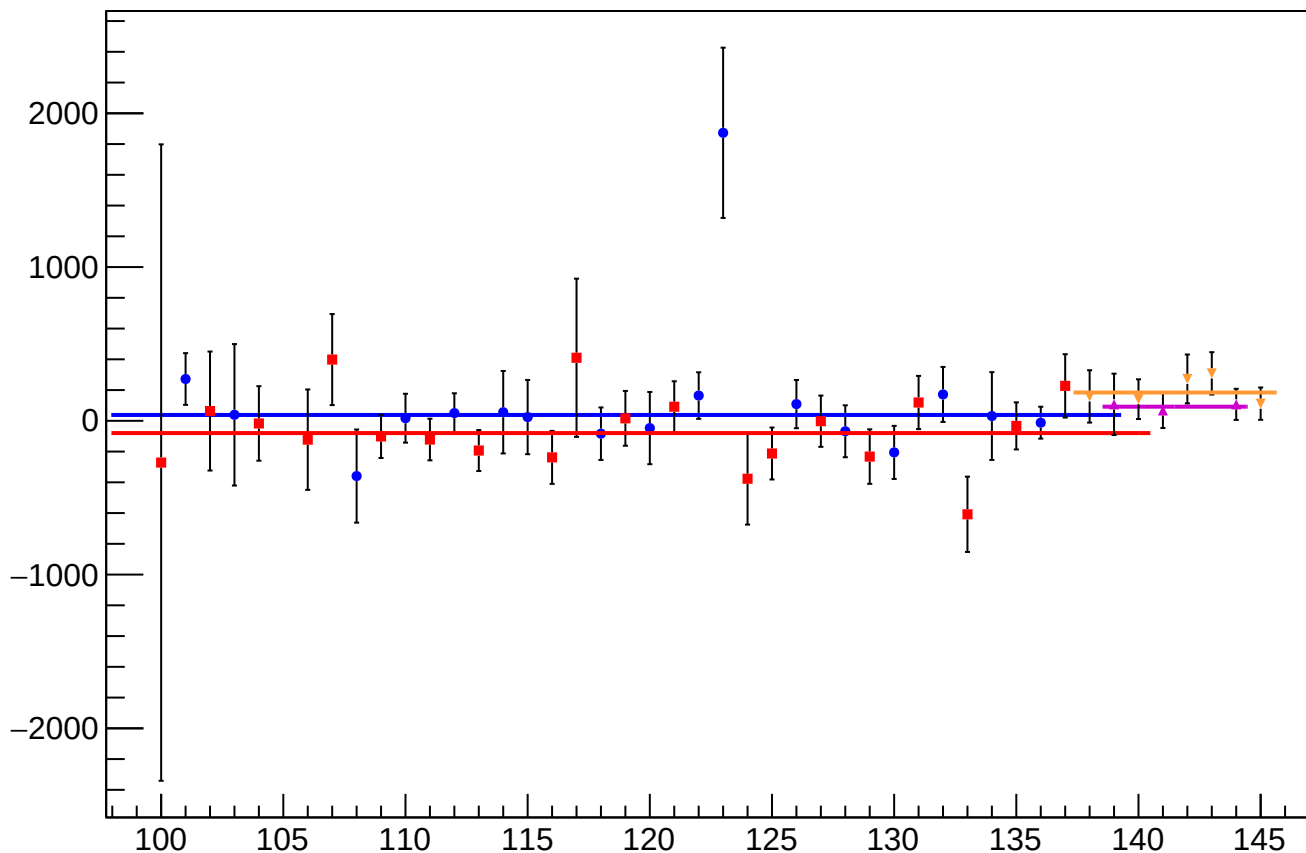
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2048.981+/-0.939 χ^2/NDF : 58305.0/2

1964.070+/-0.763 χ^2/NDF : 53371.1/4

2048.981+/-0.939 χ^2/NDF : 58305.0/2

reg_asym_sam3_mean vs Slug



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 184.166+/-60.078 χ^2/NDF : 1.7/4

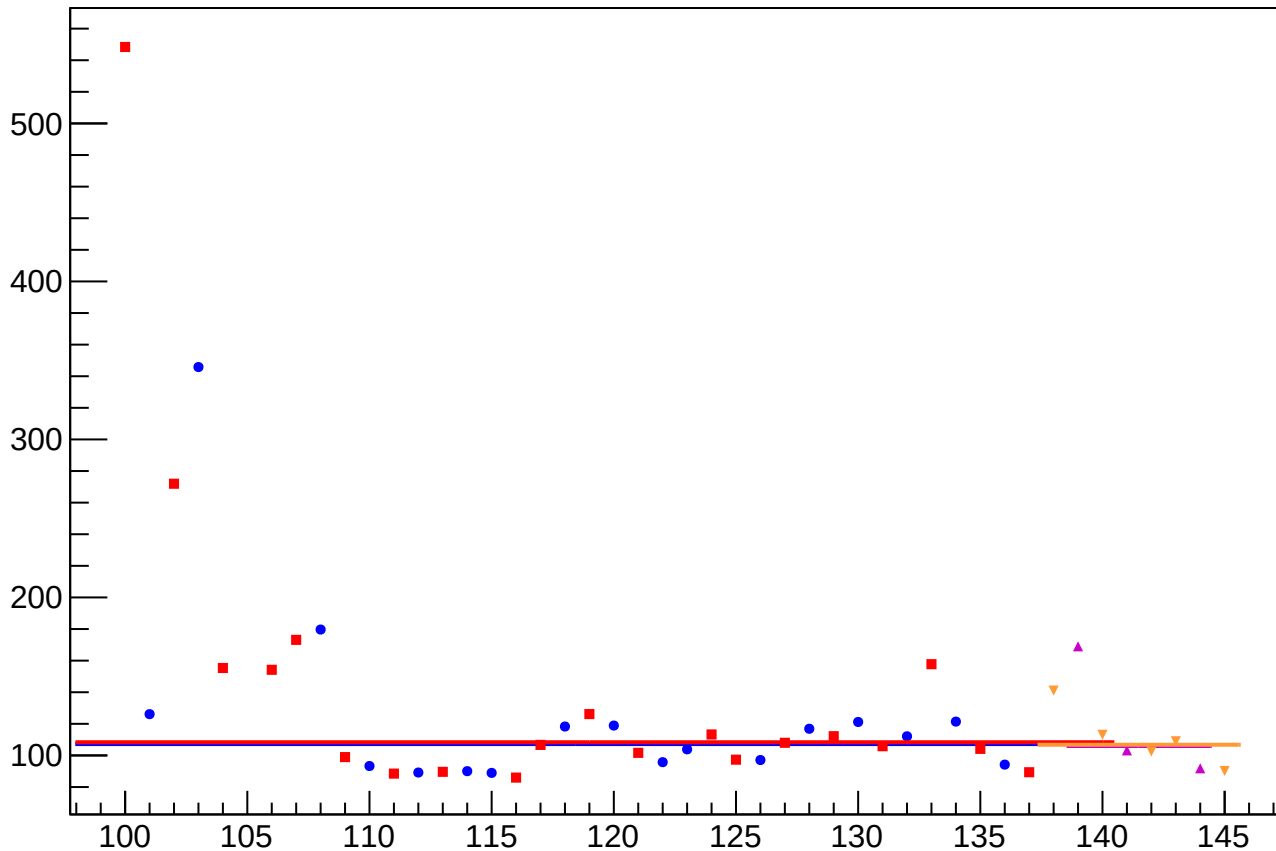
Right Out: -79.665+/-42.948 χ^2/NDF : 17.6/19

Left In: 91.943+/-70.809 χ^2/NDF : 0.1/2

88.428+/-35.259 χ^2/NDF : 25.0/21

-33.513+/-36.721 χ^2/NDF : 22.0/22

reg_asym_sam3_rms vs Slug



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 106.775+/-0.042 χ^2/NDF :137762.5/4

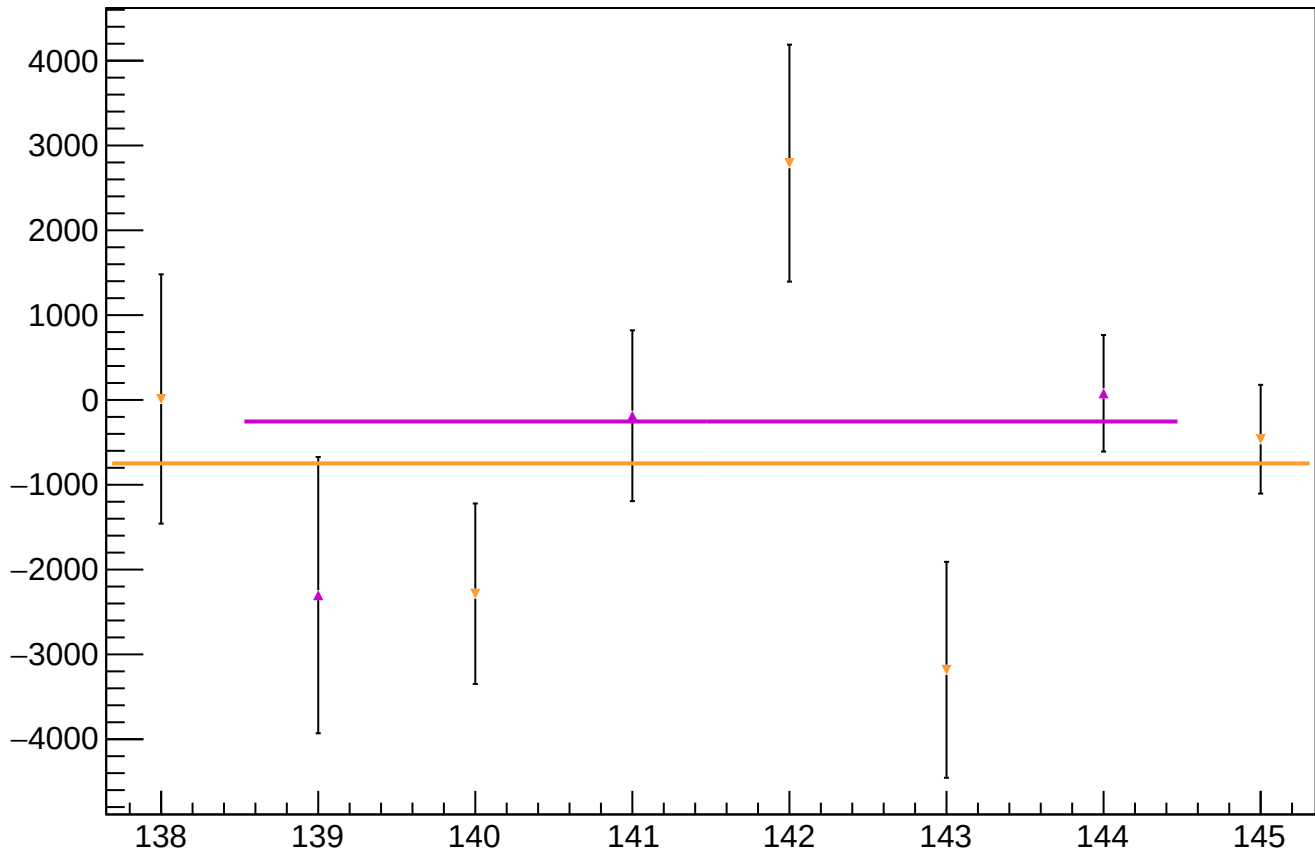
Right Out: 108.347+/-0.030 χ^2/NDF : 917309.2/19

Left In: 105.964+/-0.050 χ^2/NDF :240591.5/2

107.046+/-0.025 χ^2/NDF : 980939.8/21

107.706+/-0.026 χ^2/NDF : 1159556.8/22

asym_sam3_correction_mean vs Slug



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

Left Out: -748.039+/-451.361 χ^2/NDF : 12.6/4

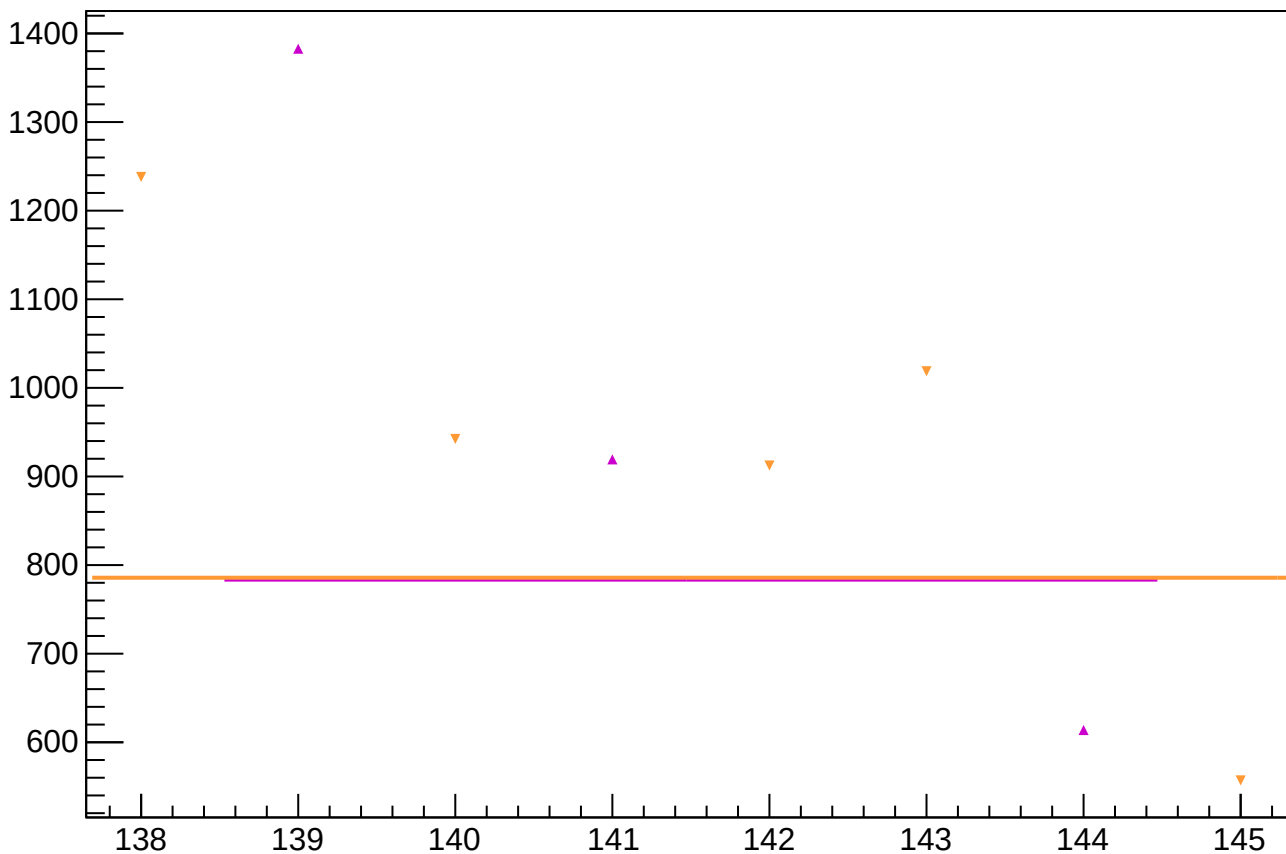
-748.039+/-451.361 χ^2/NDF : 12.6/4

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

-254.171+/-535.846 χ^2/NDF : 1.8/2

Left In: -254.171+/-535.846 χ^2/NDF : 1.8/2

asym_sam3_correction_rms vs Slug



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

Left Out: 785.731+/-0.319 χ^2/NDF : 570794.0/4

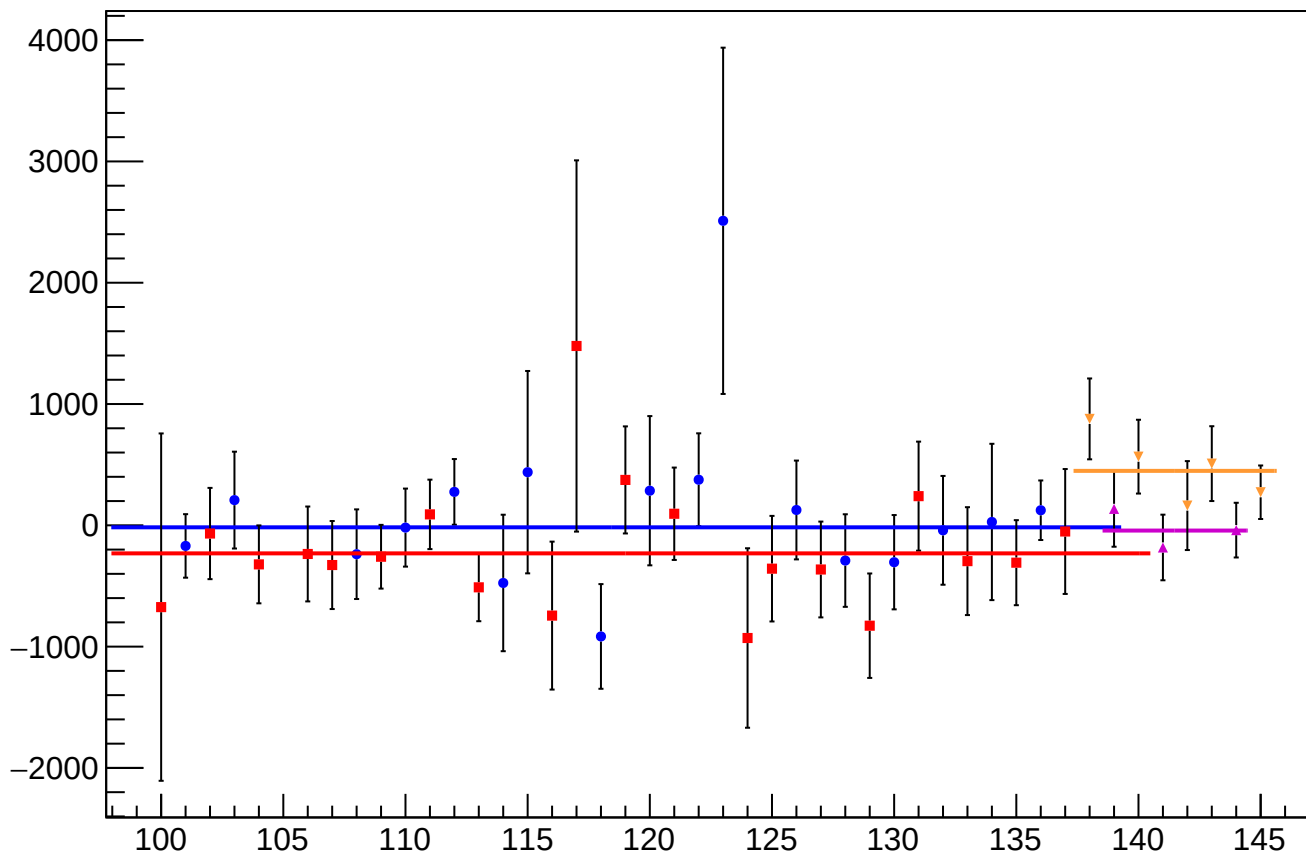
785.731+/-0.319 χ^2/NDF : 570794.0/4

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

783.594+/-0.379 χ^2/NDF : 429233.3/2

Left In: 783.594+/-0.379 χ^2/NDF : 429233.3/2

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 448.935 ± 130.962 $\chi^2/\text{NDF}: 3.1/4$

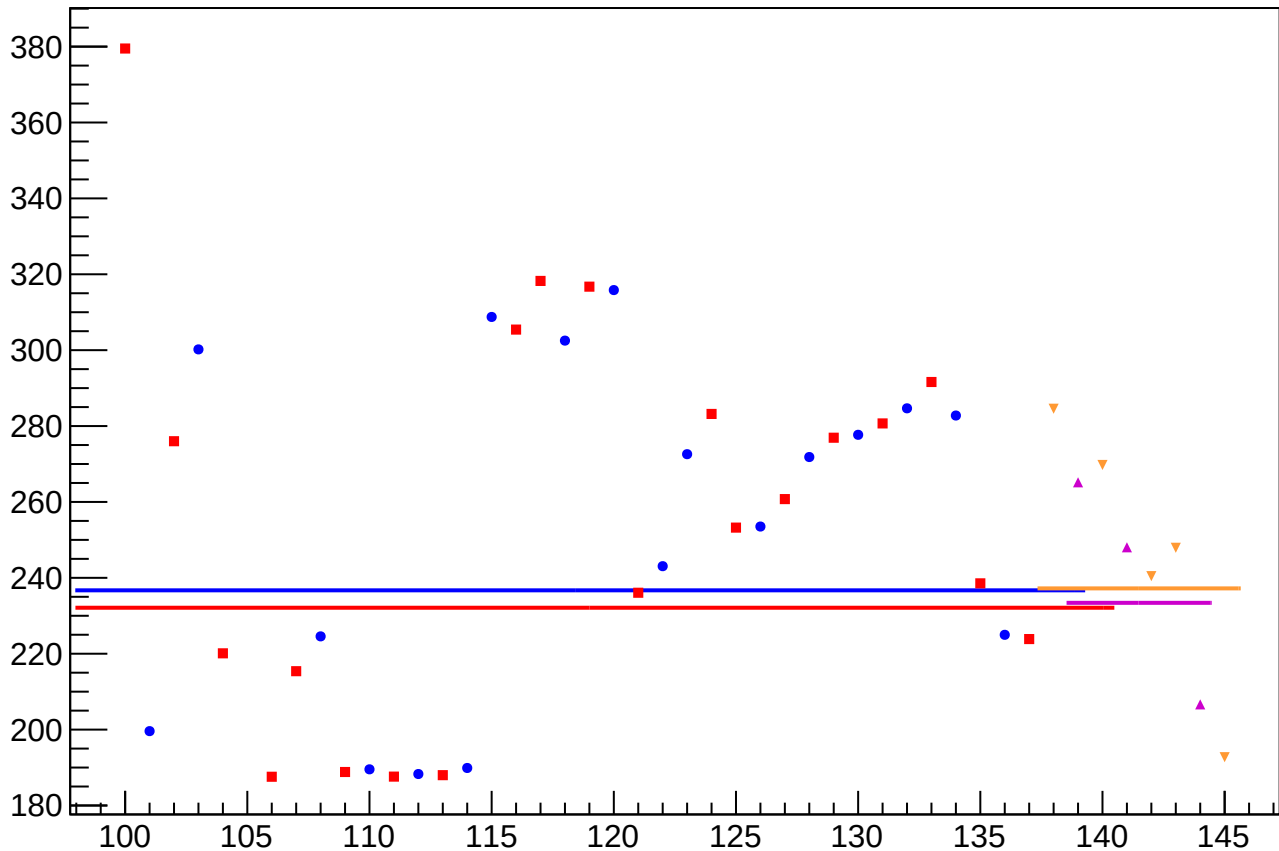
Right Out: -231.209 ± 88.787 $\chi^2/\text{NDF}: 11.6/19$

Left In: -43.159 ± 151.416 $\chi^2/\text{NDF}: 0.6/2$

140.190 ± 75.980 $\chi^2/\text{NDF}: 24.9/21$

-183.093 ± 76.591 $\chi^2/\text{NDF}: 13.3/22$

reg_asym_sam4_rms vs Slug



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 237.217 $\pm$ 0.093 χ^2 /NDF:147124.8/4

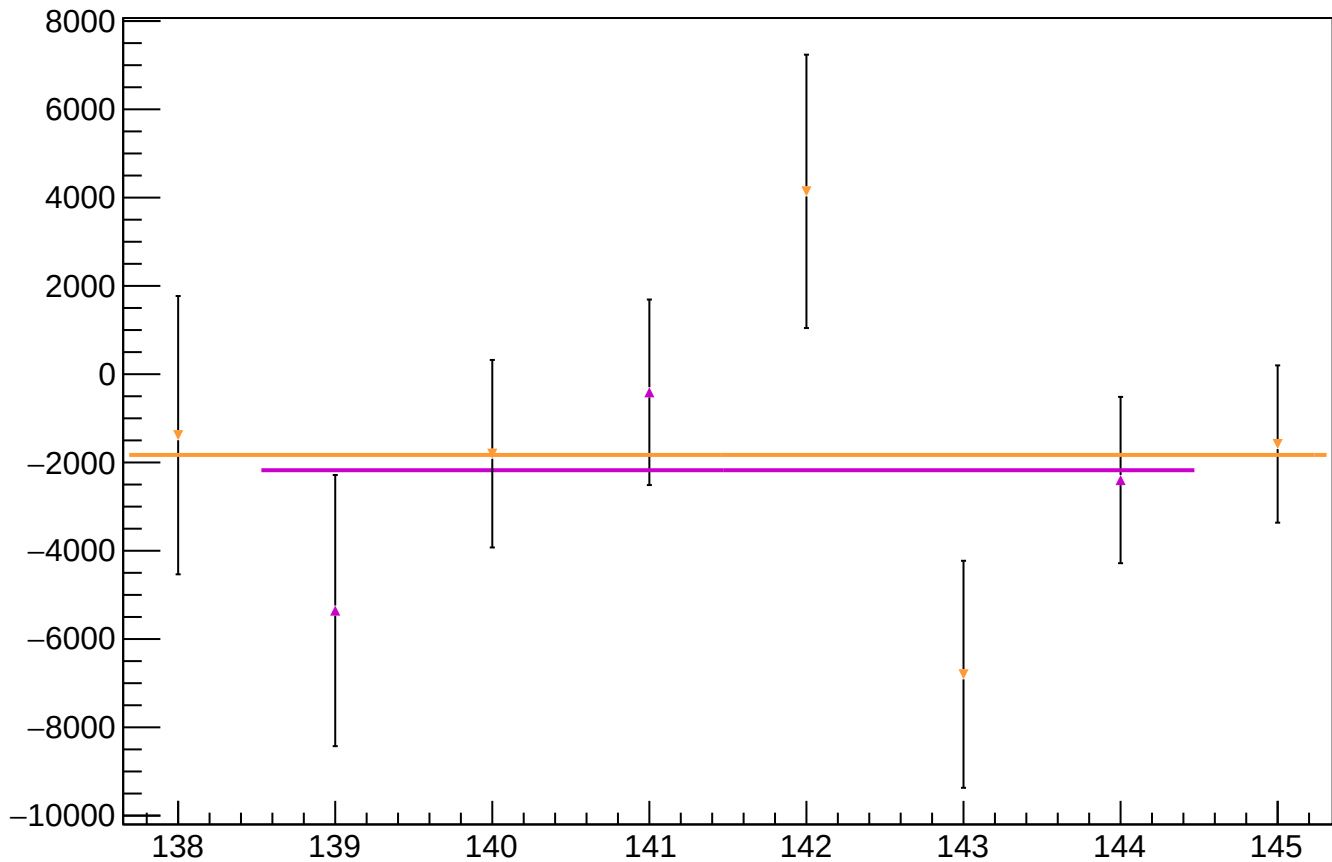
Right Out: 232.119 $\pm$ 0.063 χ^2 /NDF: 449633.1/19

Left In: 233.410 $\pm$ 0.107 χ^2 /NDF:54771.2/2

236.878 $\pm$ 0.054 χ^2 /NDF: 537489.9/21

232.449 $\pm$ 0.054 χ^2 /NDF: 504512.4/22

asym_sam4_correction_mean vs Slug



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

Left Out: -1828.896+/-1058.266 χ^2/NDF : 7.5/4

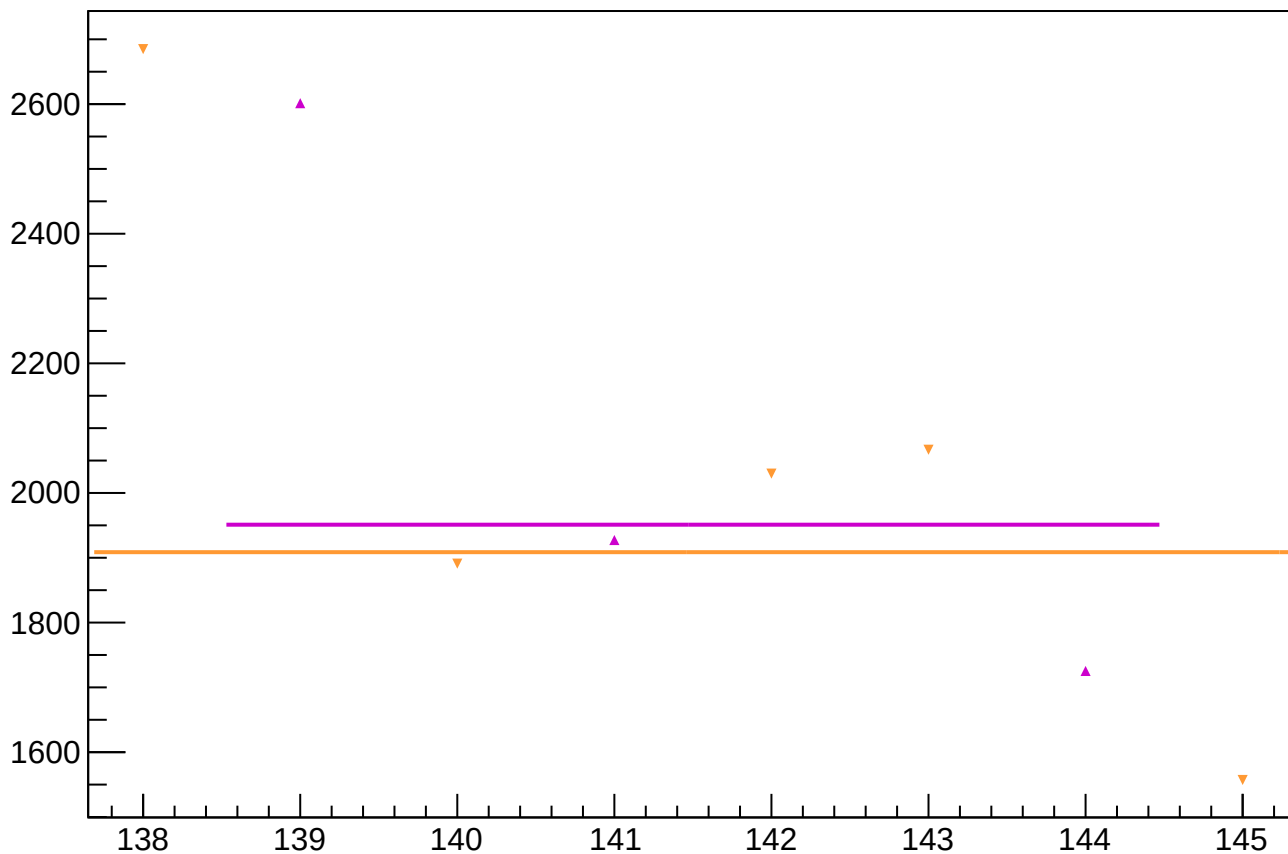
-1828.896+/-1058.266 χ^2/NDF : 7.5/4

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

-2175.550+/-1275.950 χ^2/NDF : 1.8/2

Left In: -2175.550+/-1275.950 χ^2/NDF : 1.8/2

asym_sam4_correction_rms vs Slug



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

1908.633+/-0.748 χ^2/NDF : 209894.6/4

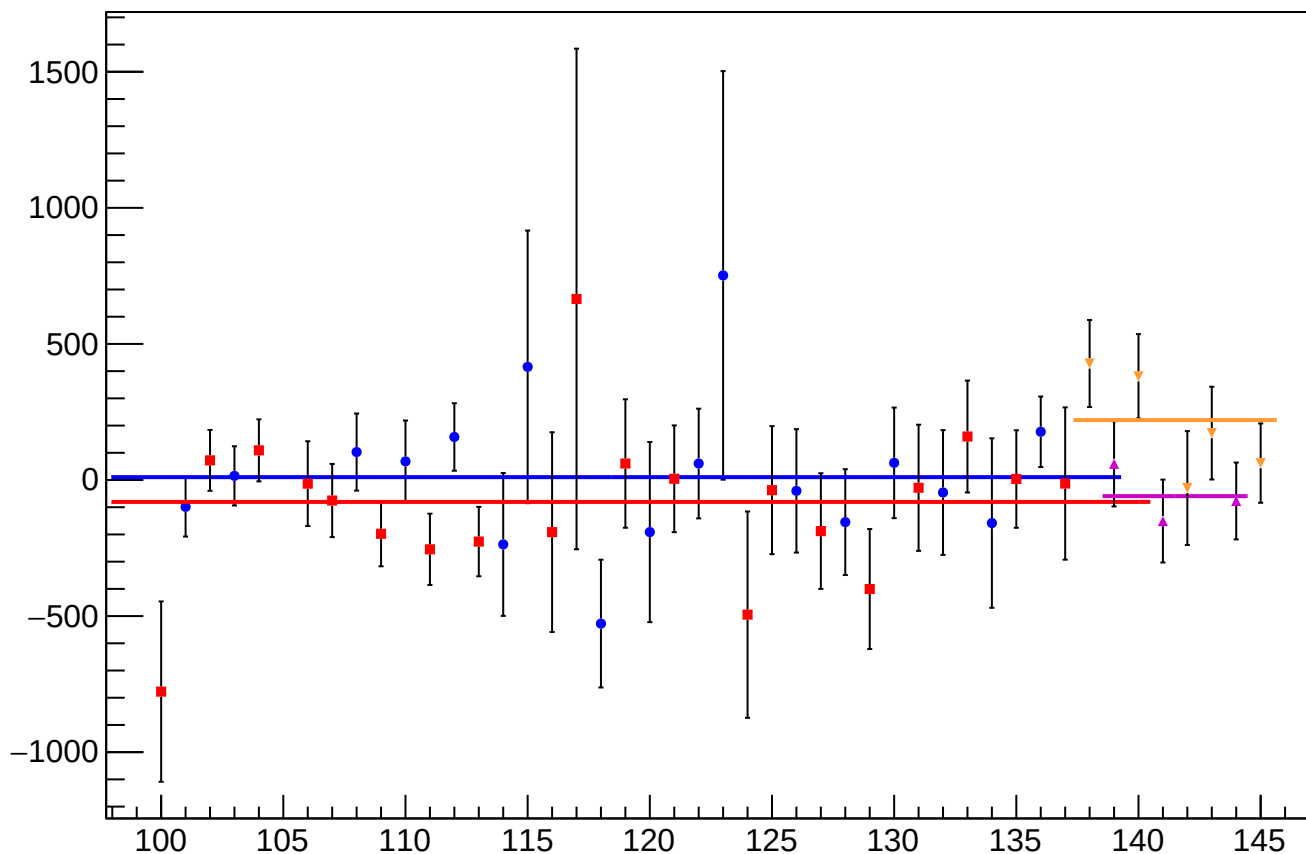
Left Out: 1908.633+/-0.748 χ^2/NDF : 209894.6/4

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

1951.027+/-0.902 χ^2/NDF : 118645.0/2

Left In: 1951.027+/-0.902 χ^2/NDF : 118645.0/2

reg_asym_sam5_mean vs Slug



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 220.241+/-73.507 χ^2/NDF : 5.4/4

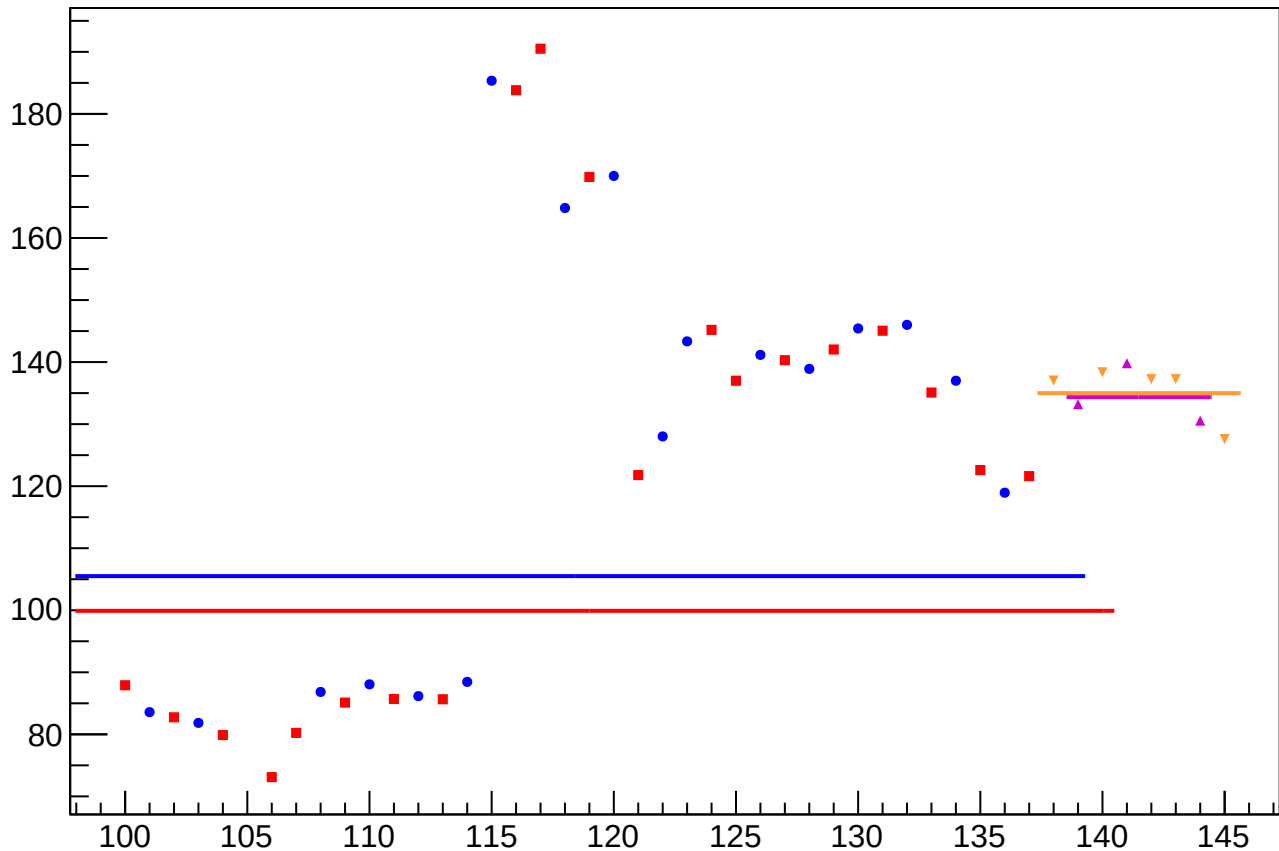
Right Out: -80.462+/-38.950 χ^2/NDF : 19.9/19

Left In: -59.262+/-86.305 χ^2/NDF : 1.0/2

62.689+/-36.659 χ^2/NDF : 25.6/21

-76.874+/-35.502 χ^2/NDF : 20.9/22

reg_asym_sam5_rms vs Slug



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 134.991+/-0.052 χ^2/NDF : 7009.7/4

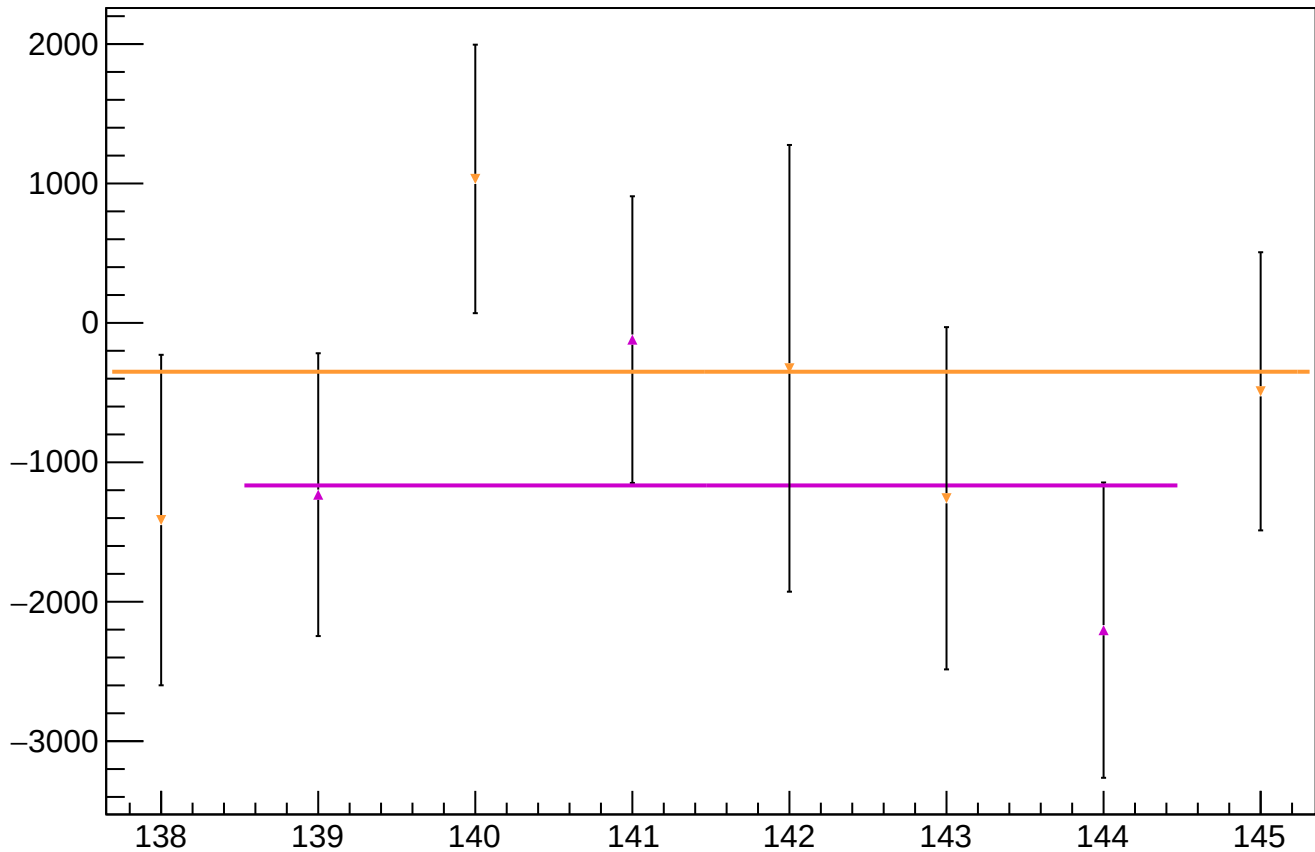
Right Out: 99.907+/-0.028 χ^2/NDF : 1019545.3/19

Left In: 134.345+/-0.061 χ^2/NDF : 4127.4/2

112.837+/-0.026 χ^2/NDF : 1117835.9/21

105.734+/-0.025 χ^2/NDF : 1288242.3/22

asym_sam5_correction_mean vs Slug



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

Left Out: -350.175+/-509.736 χ^2/NDF : 3.4/4

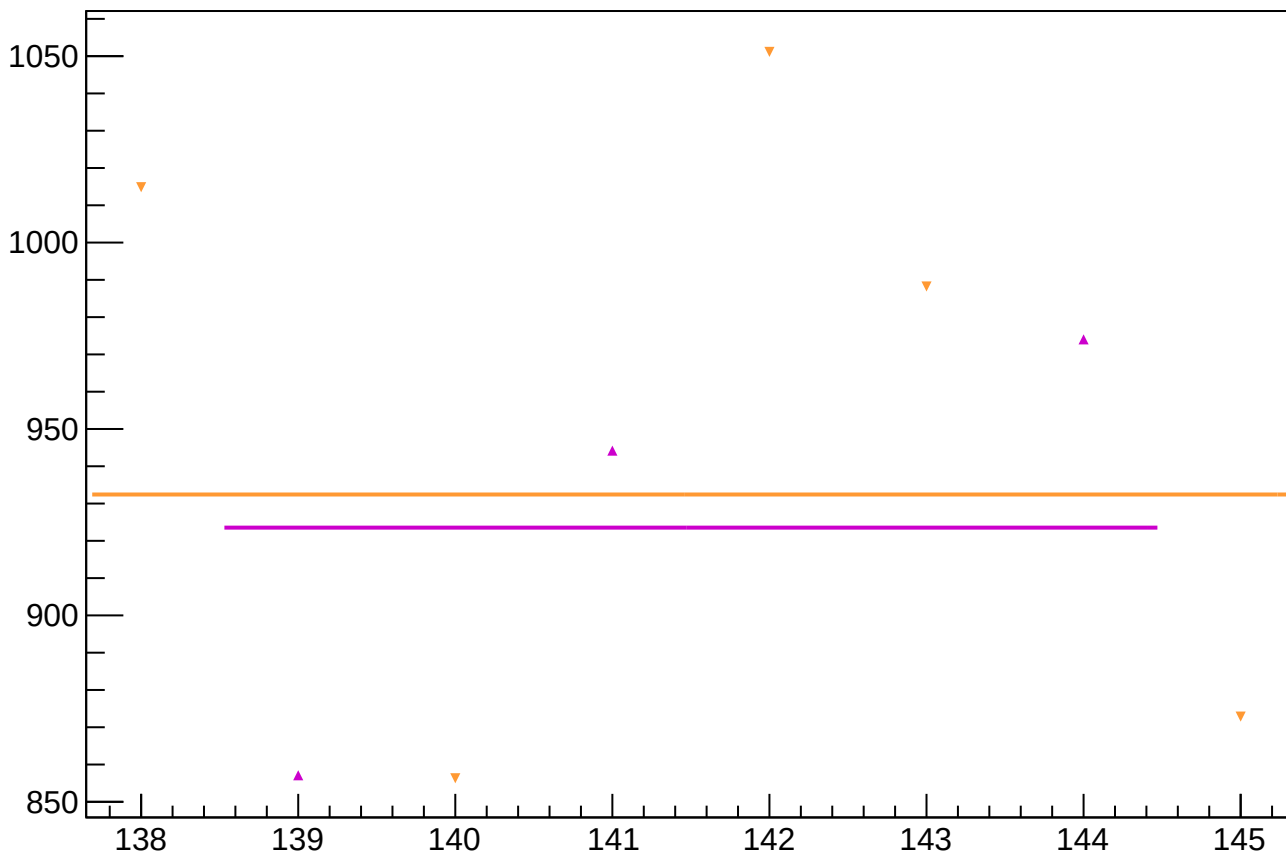
-350.175+/-509.736 χ^2/NDF : 3.4/4

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

-1165.759+/-596.554 χ^2/NDF : 2.0/2

Left In: -1165.759+/-596.554 χ^2/NDF : 2.0/2

asym_sam5_correction_rms vs Slug



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

Left Out: 932.427+/-0.360 χ^2/NDF : 44413.6/4

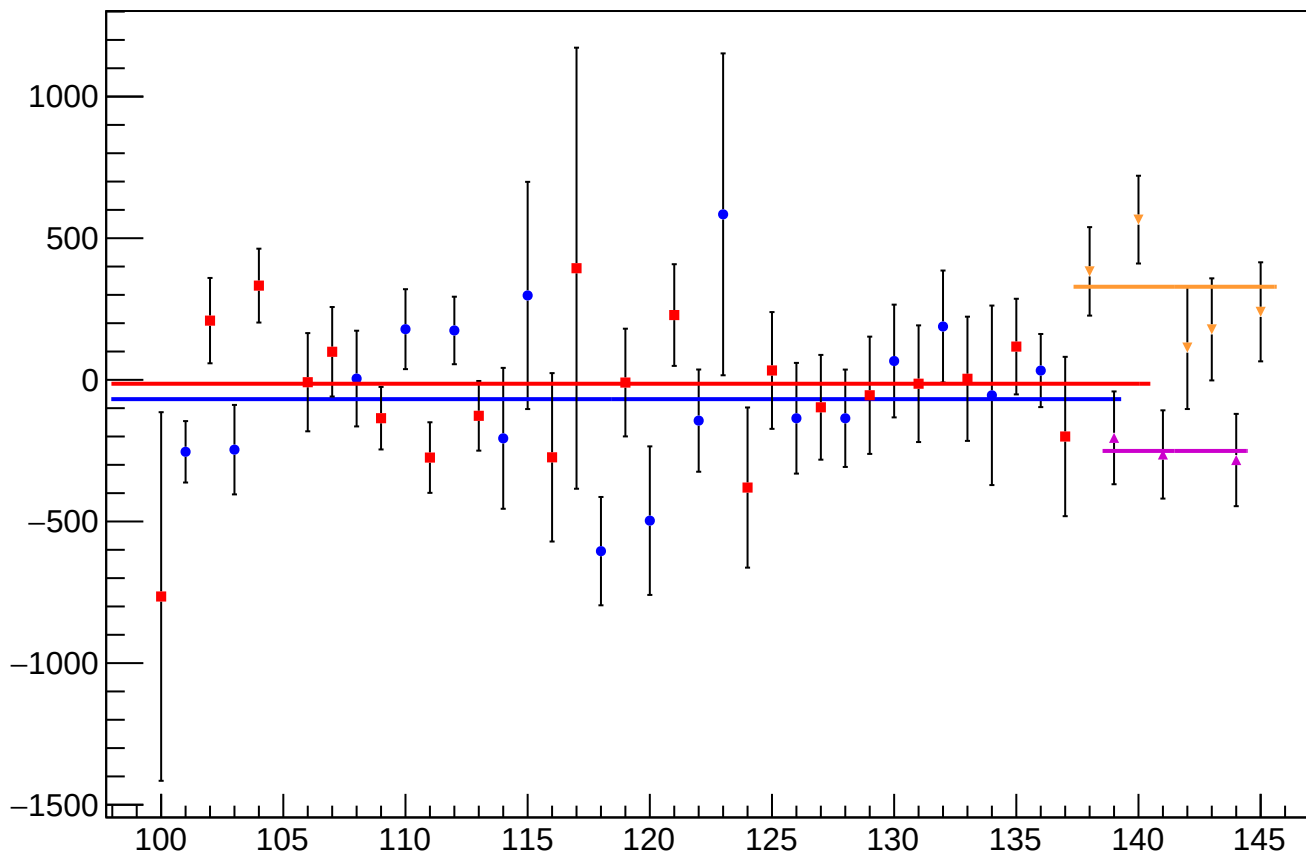
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 923.540+/-0.422 χ^2/NDF : 13932.4/2

932.427+/-0.360 χ^2/NDF : 44413.6/4

923.540+/-0.422 χ^2/NDF : 13932.4/2

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 328.664 ± 77.286 $\chi^2/\text{NDF}: 4.4/4$

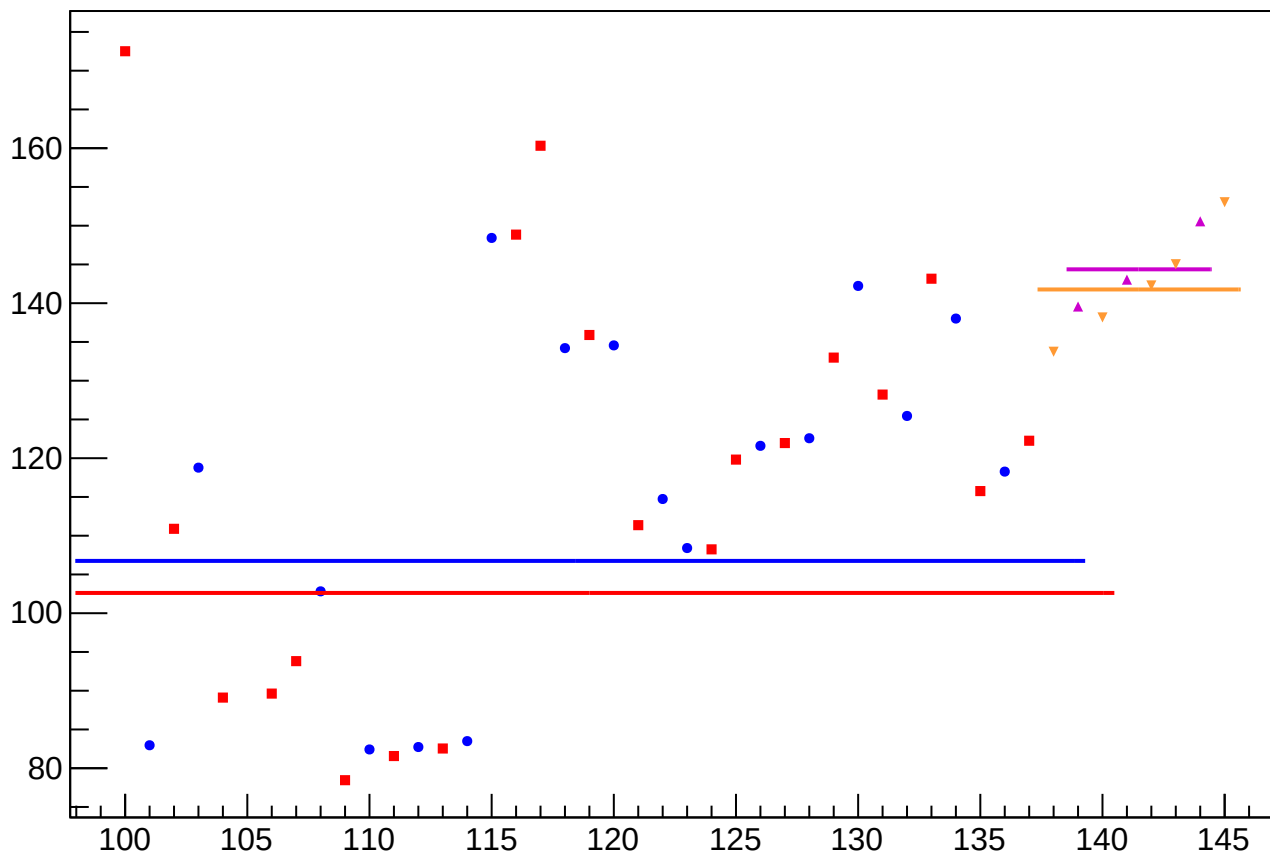
Right Out: -13.752 ± 39.416 $\chi^2/\text{NDF}: 23.4/19$

Left In: -250.949 ± 92.794 $\chi^2/\text{NDF}: 0.1/2$

23.233 ± 37.082 $\chi^2/\text{NDF}: 52.5/21$

-50.008 ± 36.279 $\chi^2/\text{NDF}: 29.1/22$

reg_asym_sam6_rms vs Slug



Right In: 106.749 ± 0.030 χ^2/NDF : 501742.8/16

Left Out: 141.772 ± 0.055 χ^2/NDF : 15330.0/4

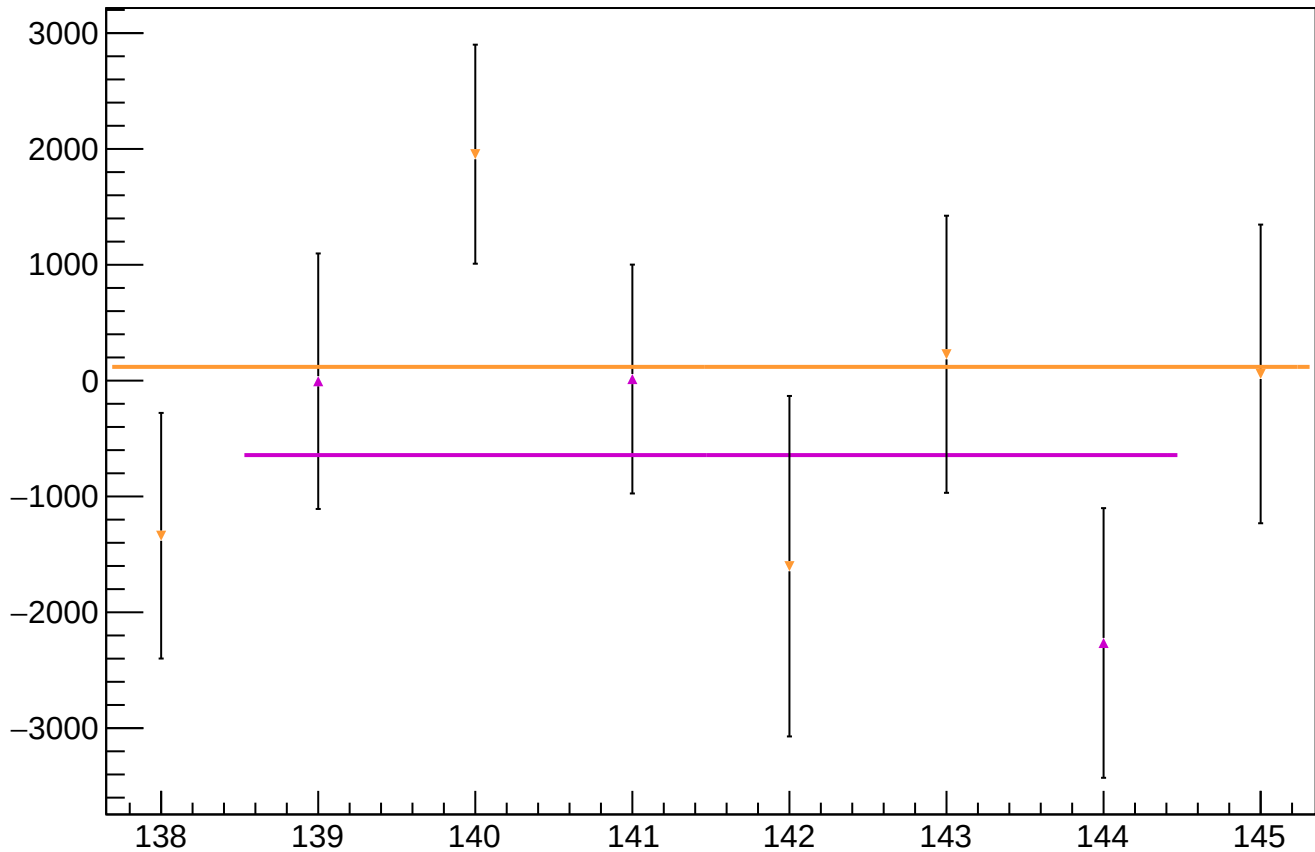
Right Out: 102.615 ± 0.028 χ^2/NDF : 600357.6/19

Left In: 144.369 ± 0.066 χ^2/NDF : 4755.6/2

114.812 ± 0.026 χ^2/NDF : 833221.2/21

108.997 ± 0.026 χ^2/NDF : 948147.2/22

asym_sam6_correction_mean vs Slug



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

Left Out: 118.754+/-514.888 χ^2/NDF : 7.0/4

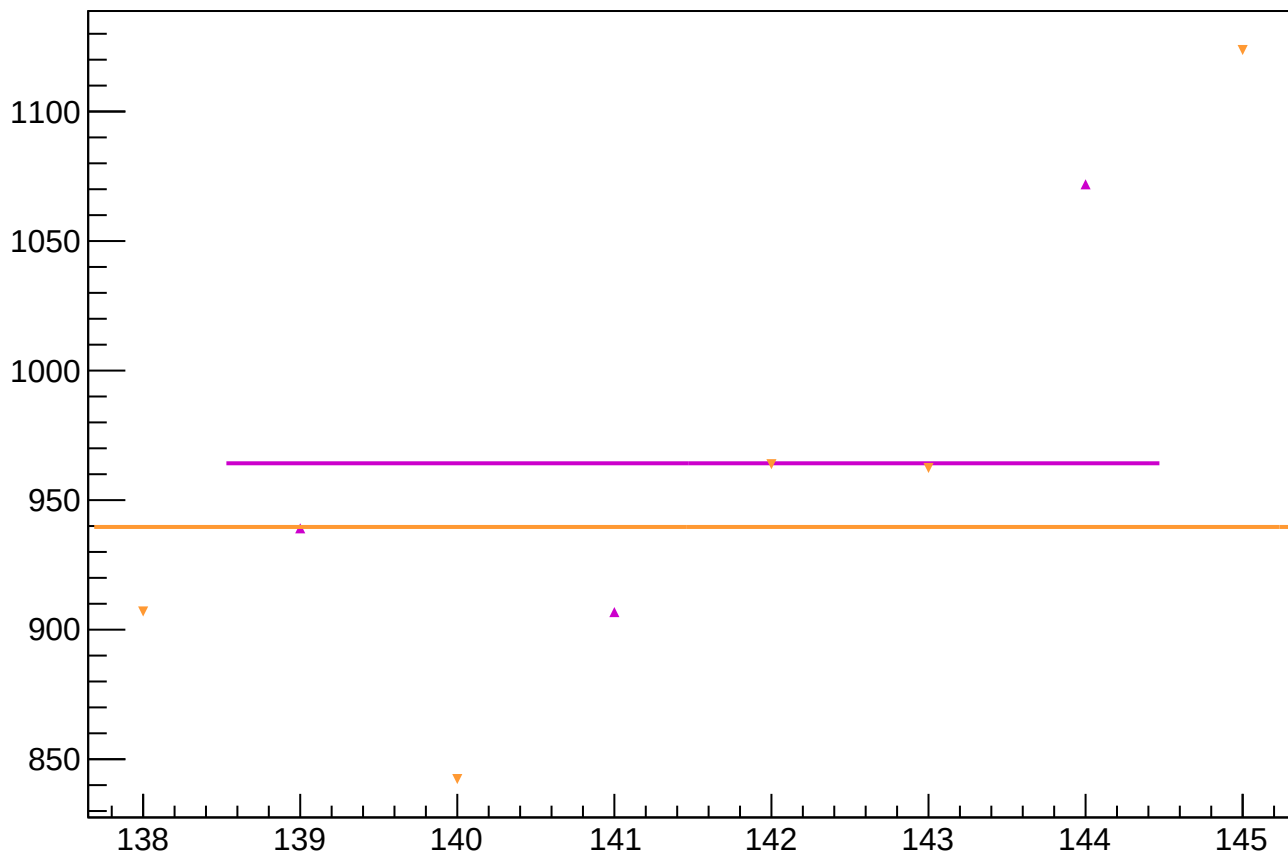
118.754+/-514.888 χ^2/NDF : 7.0/4

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

-642.849+/-621.976 χ^2/NDF : 2.7/2

Left In: -642.849+/-621.976 χ^2/NDF : 2.7/2

asym_sam6_correction_rms vs Slug



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

Left Out: 939.644+/-0.364 χ^2/NDF : 65126.5/4

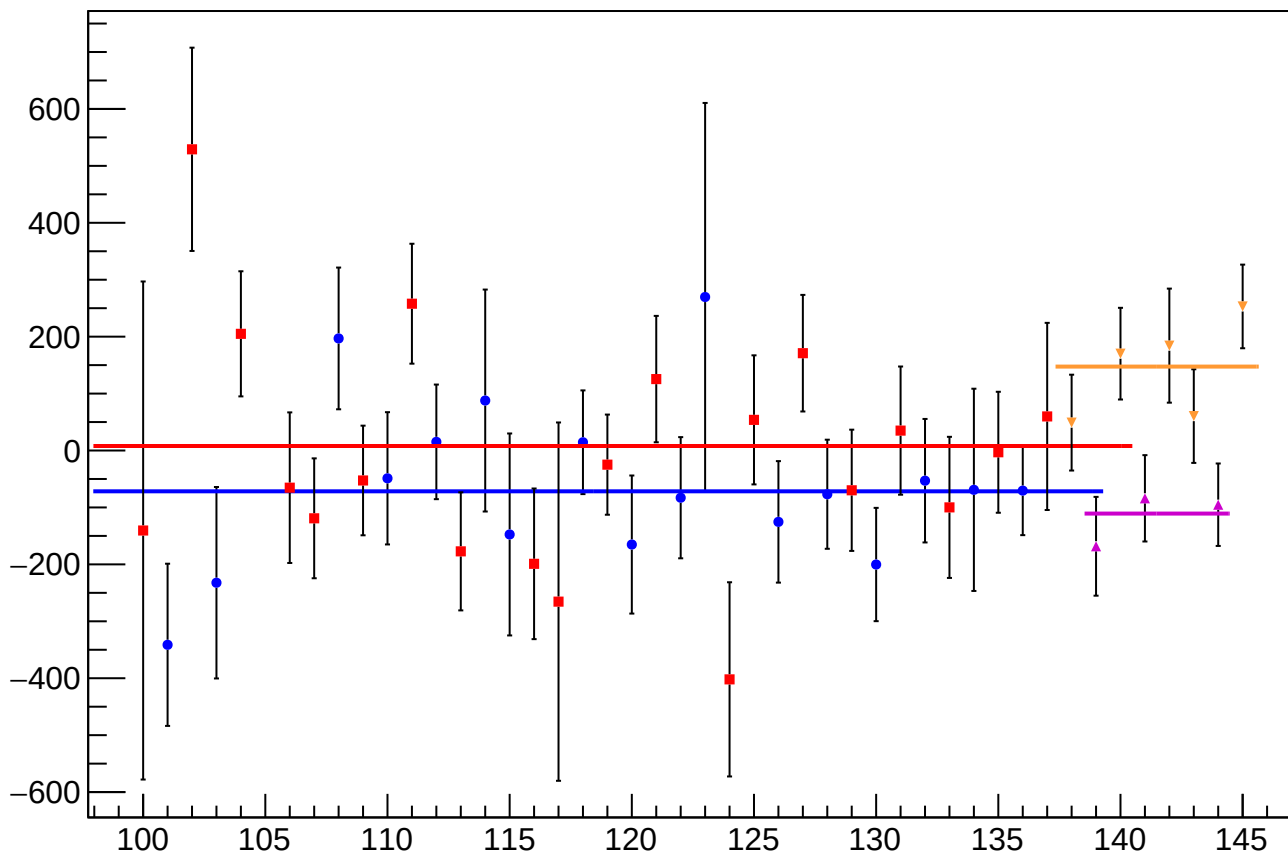
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 964.219+/-0.440 χ^2/NDF : 24912.0/2

939.644+/-0.364 χ^2/NDF : 65126.5/4

964.219+/-0.440 χ^2/NDF : 24912.0/2

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 147.421 ± 37.056 $\chi^2/\text{NDF}: 4.8/4$

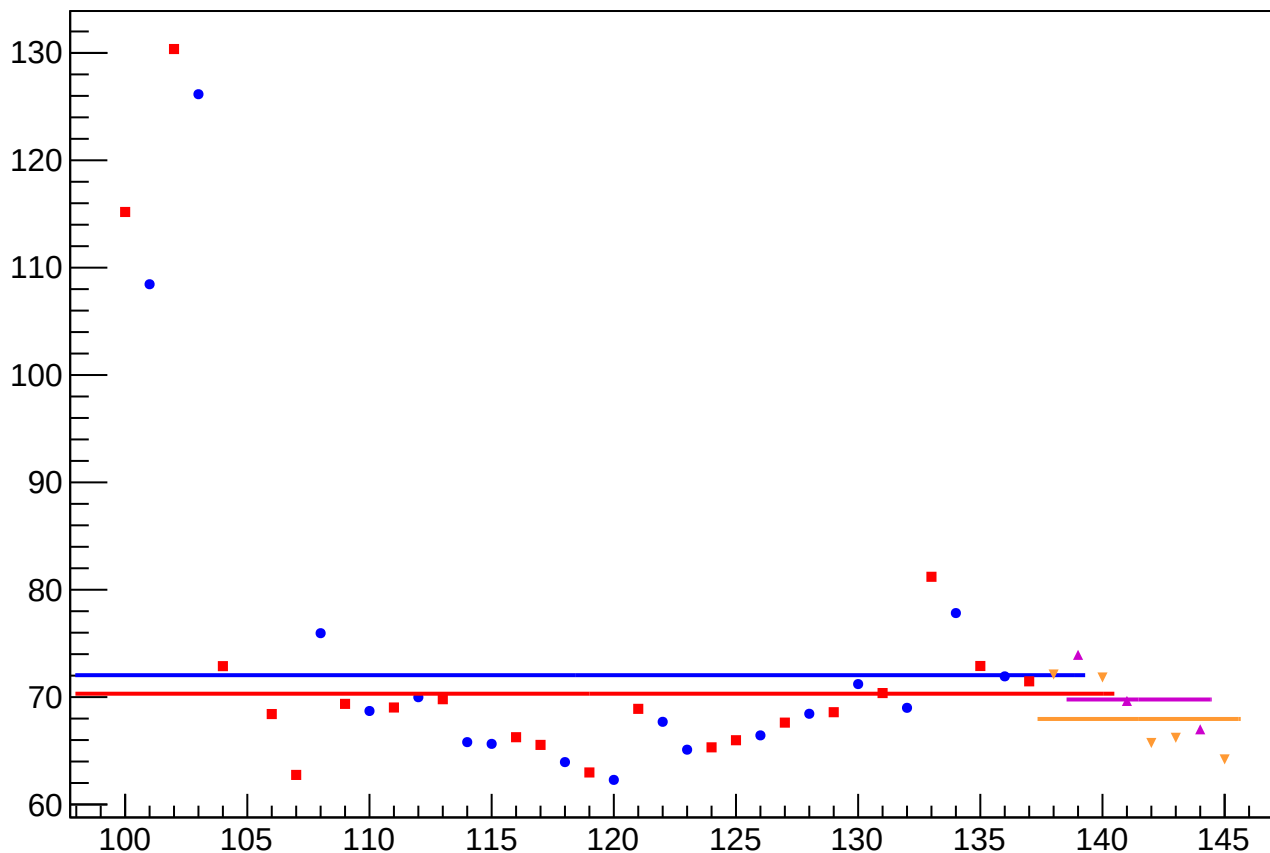
Right Out: 7.933 ± 26.719 $\chi^2/\text{NDF}: 37.2/19$

Left In: -110.769 ± 44.839 $\chi^2/\text{NDF}: 0.6/2$

9.251 ± 22.520 $\chi^2/\text{NDF}: 42.1/21$

-23.172 ± 22.953 $\chi^2/\text{NDF}: 43.0/22$

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 67.964 $\pm$ 0.026 χ^2 /NDF: 16606.6/4

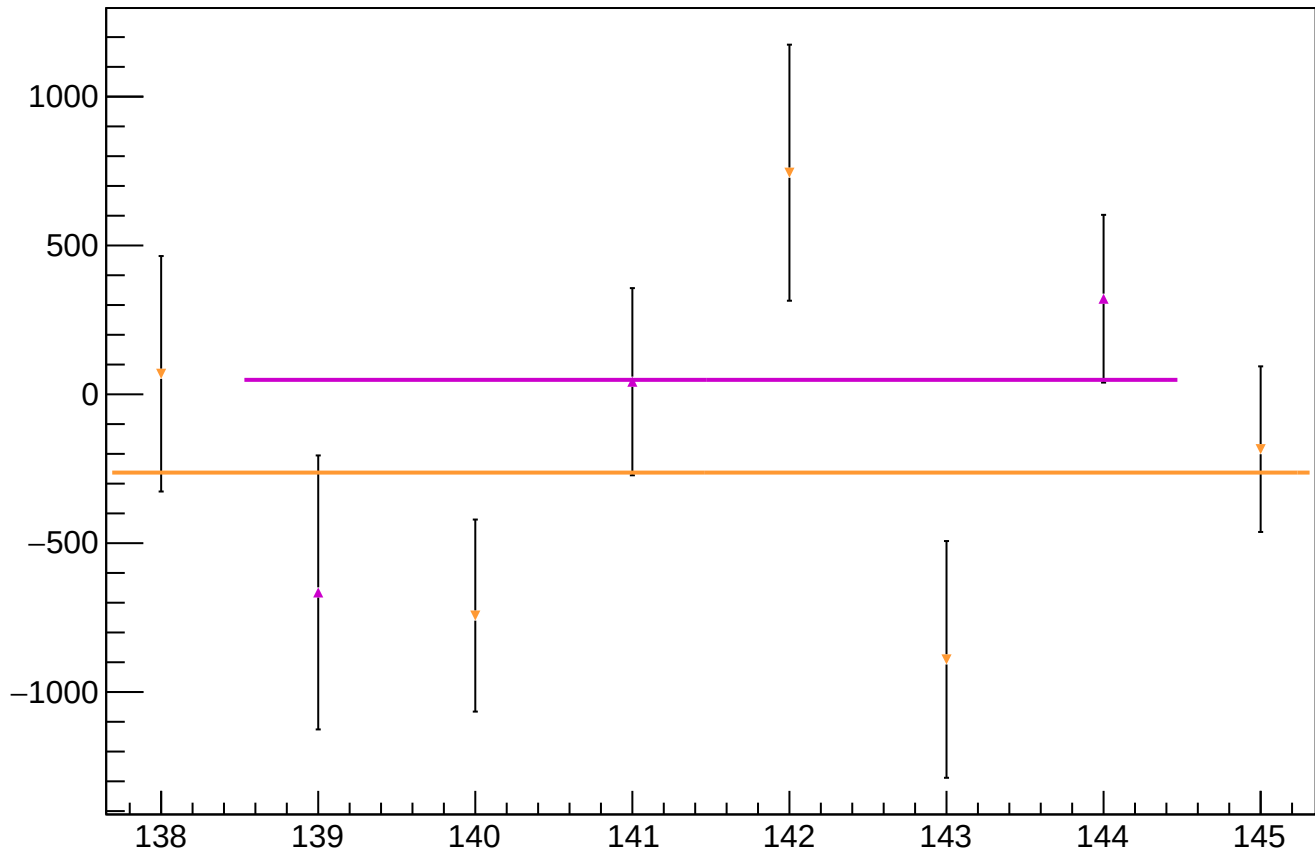
Right Out: 70.316 $\pm$ 0.019 χ^2 /NDF: 299468.0/19

Left In: 69.777 $\pm$ 0.032 χ^2 /NDF: 7543.0/2

70.536 $\pm$ 0.016 χ^2 /NDF: 423856.8/21

70.175 $\pm$ 0.016 χ^2 /NDF: 307224.2/22

asym_sam7_correction_mean vs Slug



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

Left Out: -262.868+/-156.830 χ^2/NDF : 11.0/4

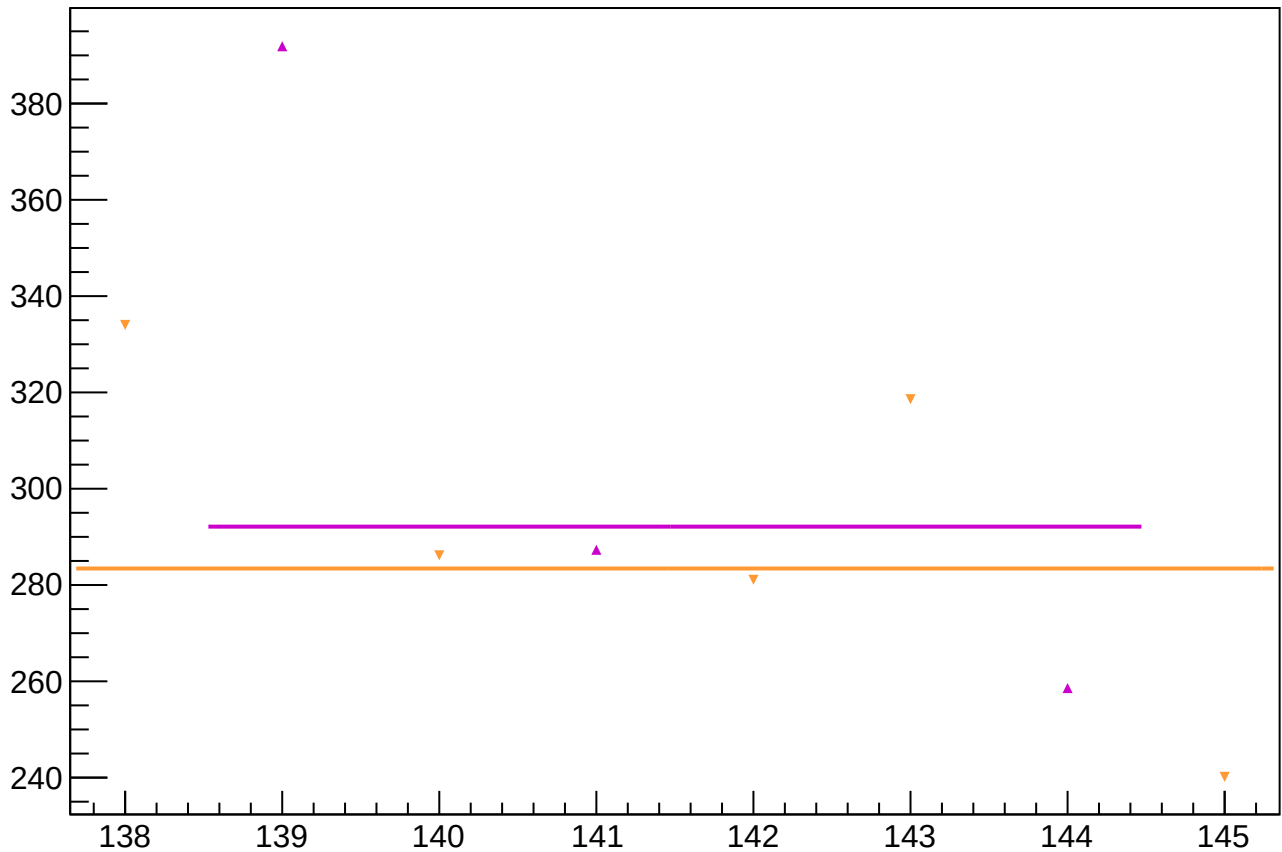
-262.868+/-156.830 χ^2/NDF : 11.0/4

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

48.622+/-190.896 χ^2/NDF : 3.3/2

Left In: 48.622+/-190.896 χ^2/NDF : 3.3/2

asym_sam7_correction_rms vs Slug



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

283.433+/-0.111 χ^2/NDF : 96954.8/4

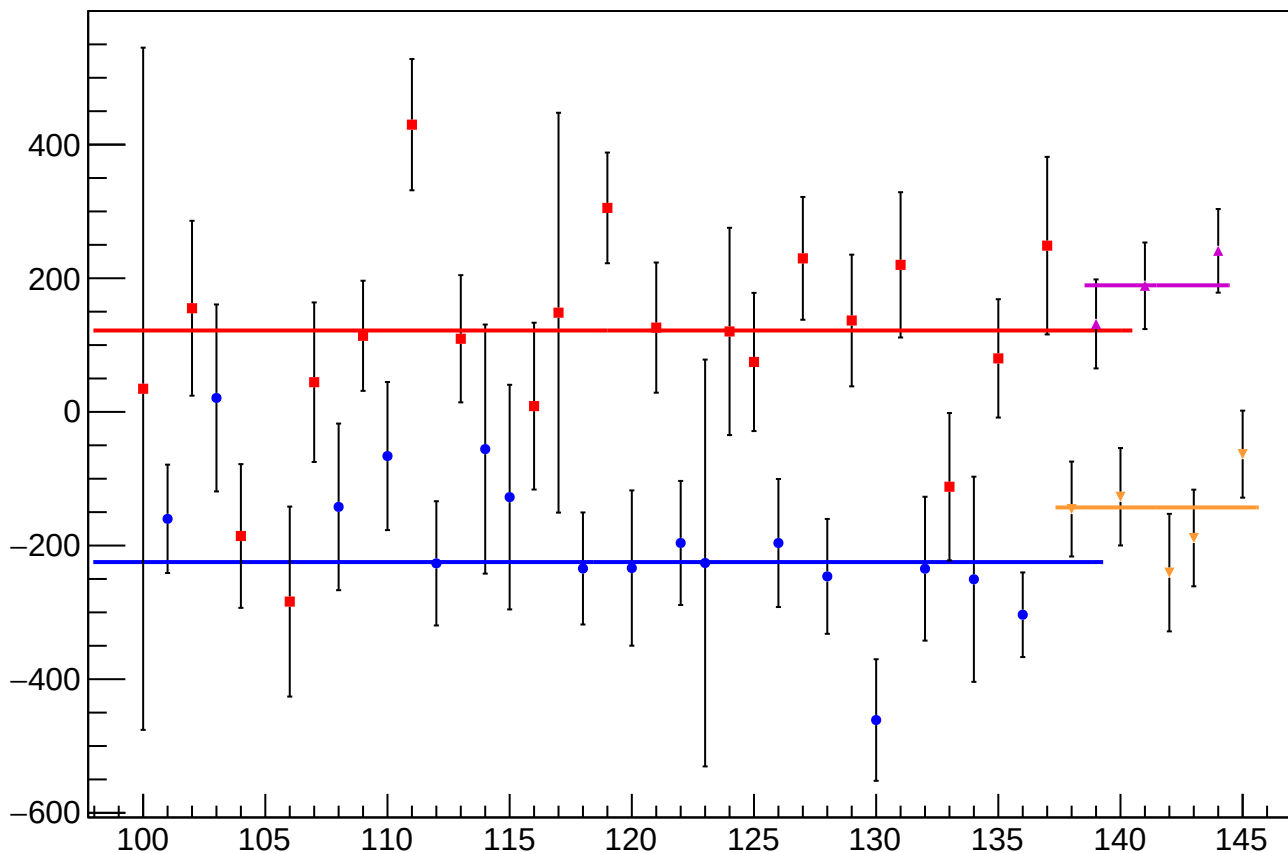
Left Out: 283.433+/-0.111 χ^2/NDF : 96954.8/4

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

292.127+/-0.135 χ^2/NDF : 122803.7/2

Left In: 292.127+/-0.135 χ^2/NDF : 122803.7/2

reg_asym_sam8_mean vs Slug



Right In: -224.727 $\pm$ 24.880 χ^2 /NDF: 16.0/16

Left Out: -142.985 $\pm$ 32.564 χ^2 /NDF: 3.2/4

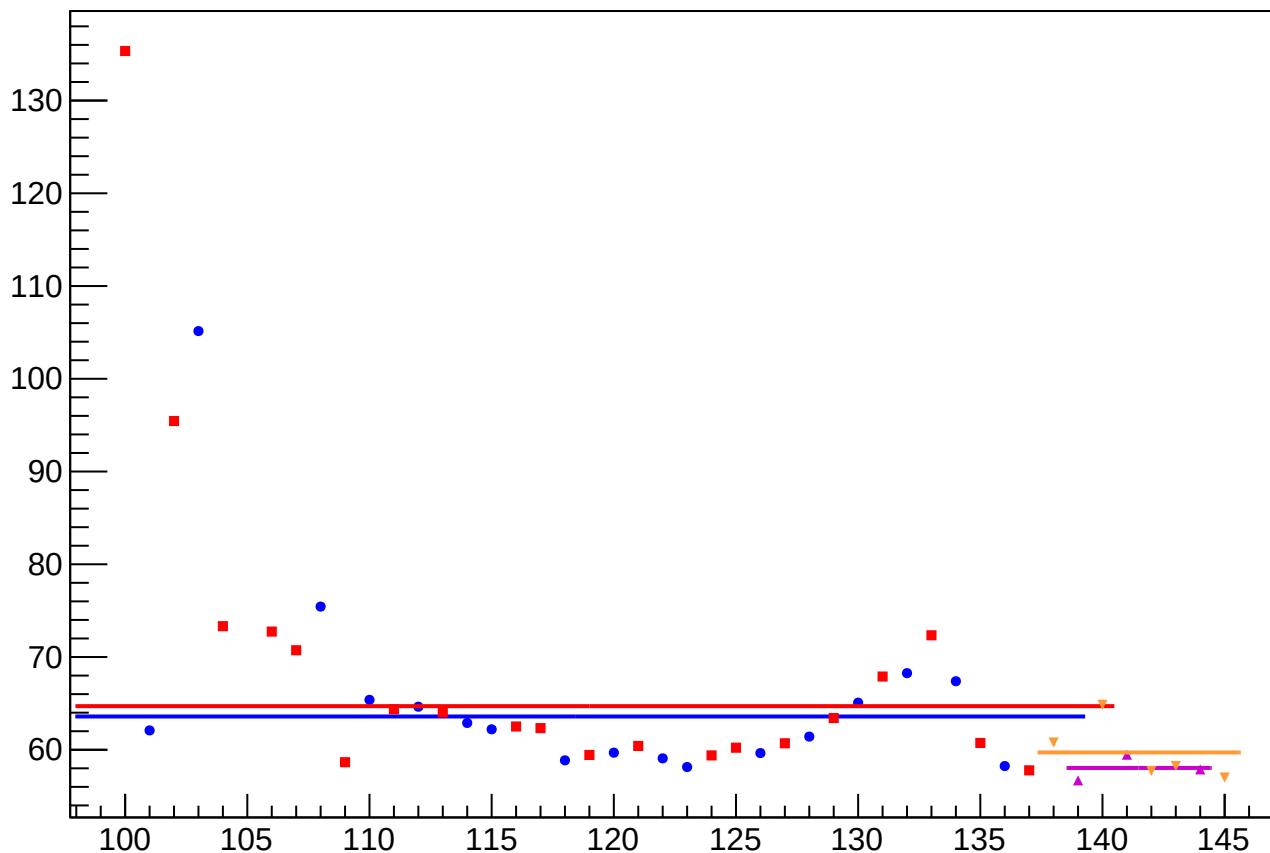
Right Out: 121.814 $\pm$ 24.516 χ^2 /NDF: 40.5/19

Left In: 189.426 $\pm$ 37.291 χ^2 /NDF: 1.4/2

-194.597 $\pm$ 19.770 χ^2 /NDF: 23.1/21

142.218 $\pm$ 20.486 χ^2 /NDF: 44.2/22

reg_asym_sam8_rms vs Slug



Right In: 63.589 $\pm$ 0.018 χ^2 /NDF: 234601.0/16

Left Out: 59.715 $\pm$ 0.023 χ^2 /NDF:15729.7/4

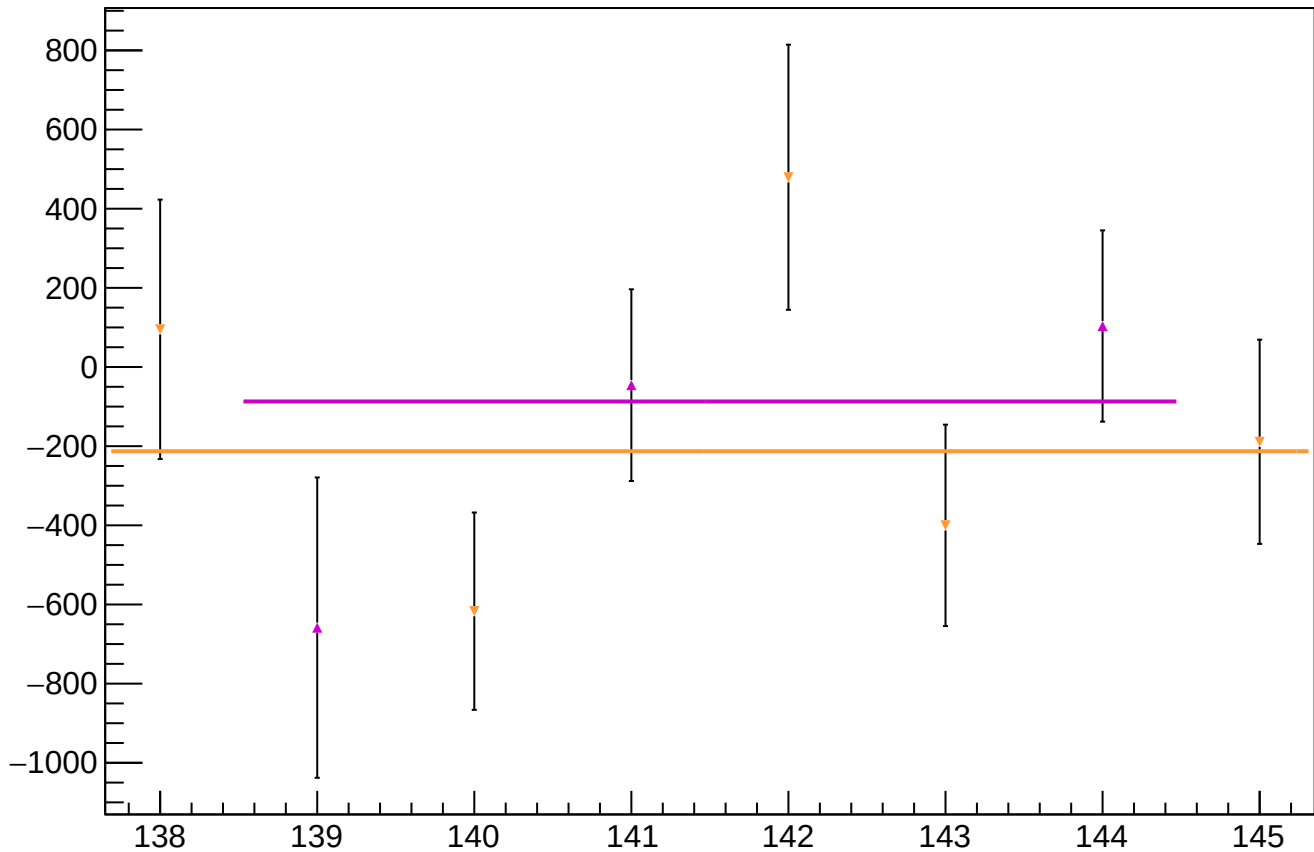
Right Out: 64.704 $\pm$ 0.017 χ^2 /NDF: 227632.6/19

Left In: 58.041 $\pm$ 0.026 χ^2 /NDF:1793.7/2

62.161 $\pm$ 0.014 χ^2 /NDF: 268207.5/21

62.693 $\pm$ 0.014 χ^2 /NDF: 274014.8/22

asym_sam8_correction_mean vs Slug



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

Left Out: -212.745+/-124.246 χ^2/NDF : 8.3/4

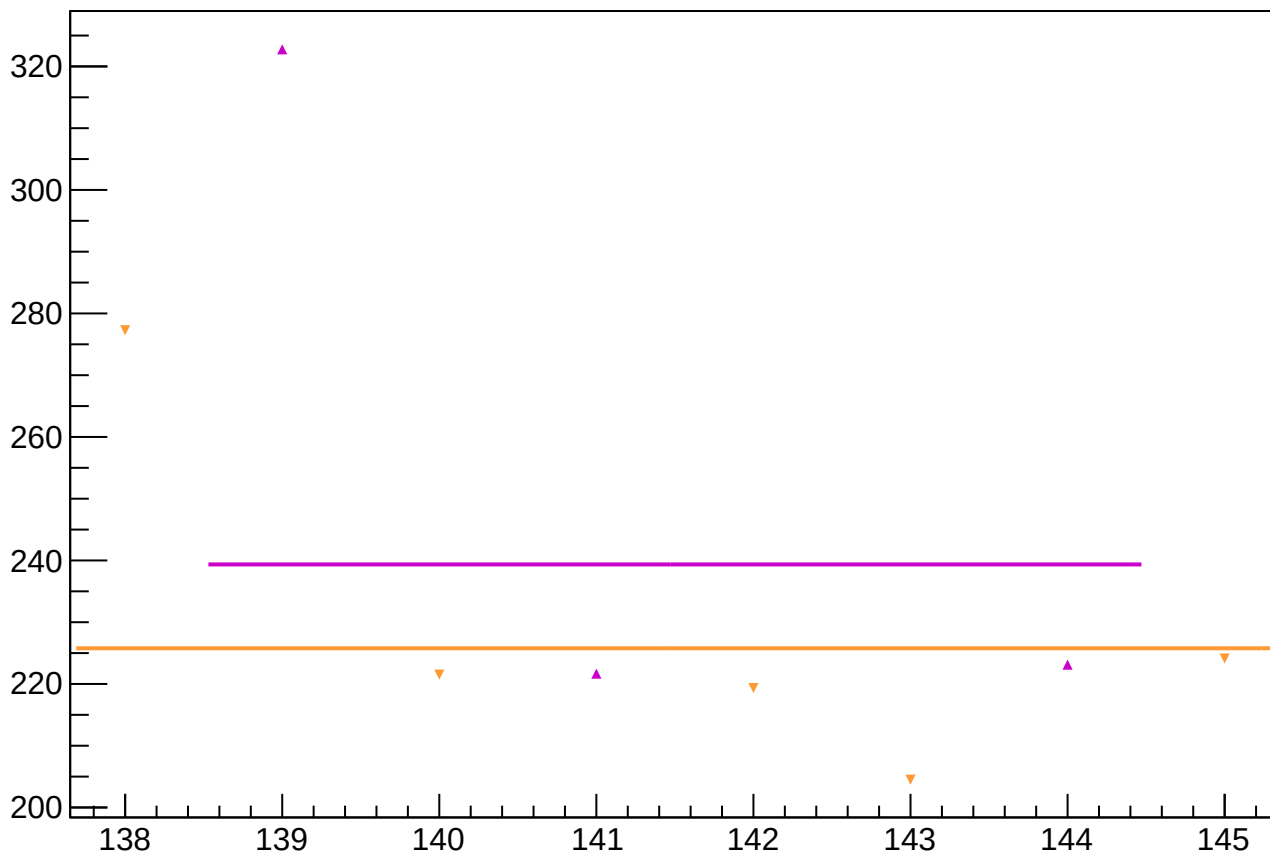
-212.745+/-124.246 χ^2/NDF : 8.3/4

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

-87.073+/-155.949 χ^2/NDF : 2.9/2

Left In: -87.073+/-155.949 χ^2/NDF : 2.9/2

asym_sam8_correction_rms vs Slug



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

Left Out: 225.782+/-0.088 χ^2/NDF : 64795.6/4

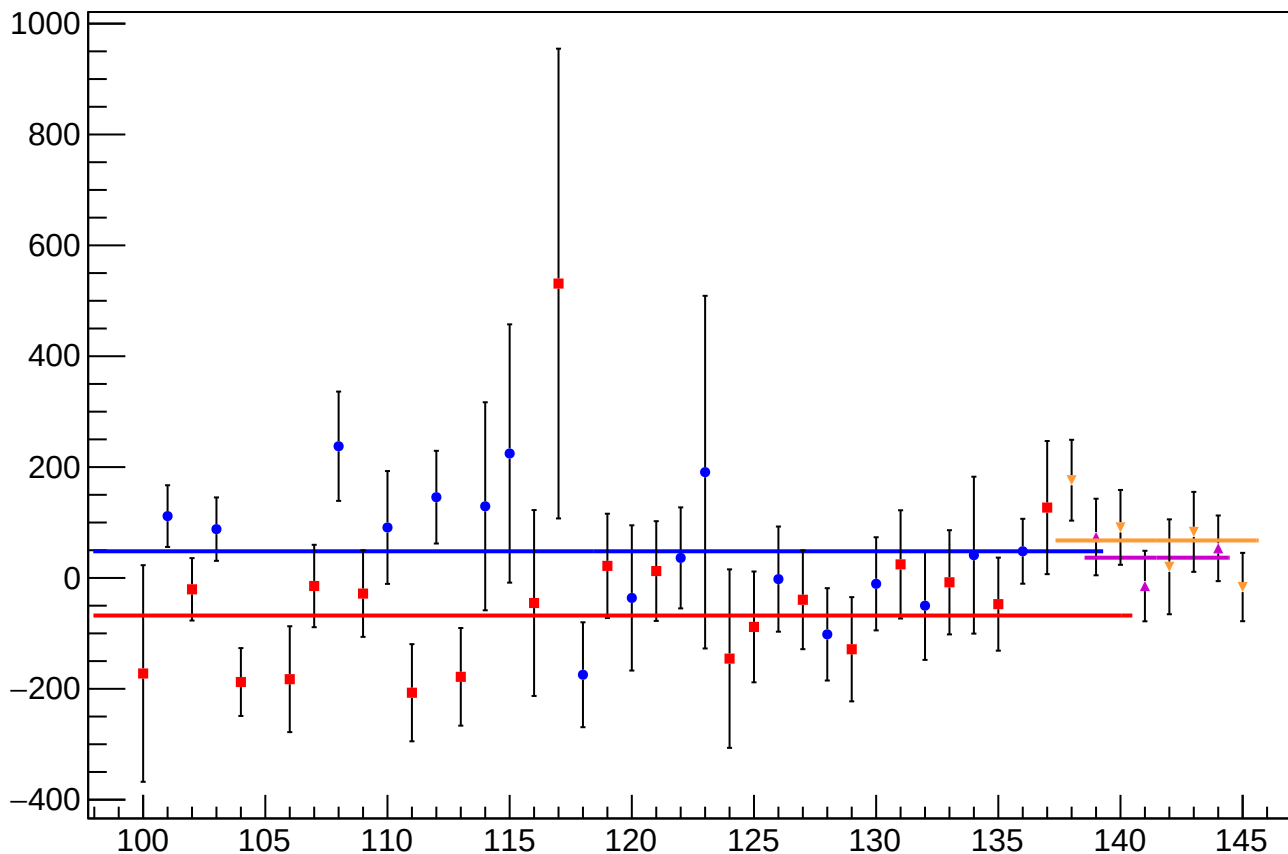
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 239.357+/-0.110 χ^2/NDF : 116333.2/2

225.782+/-0.088 χ^2/NDF : 64795.6/4

239.357+/-0.110 χ^2/NDF : 116333.2/2

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 67.662+/-31.633 χ^2/NDF : 4.6/4

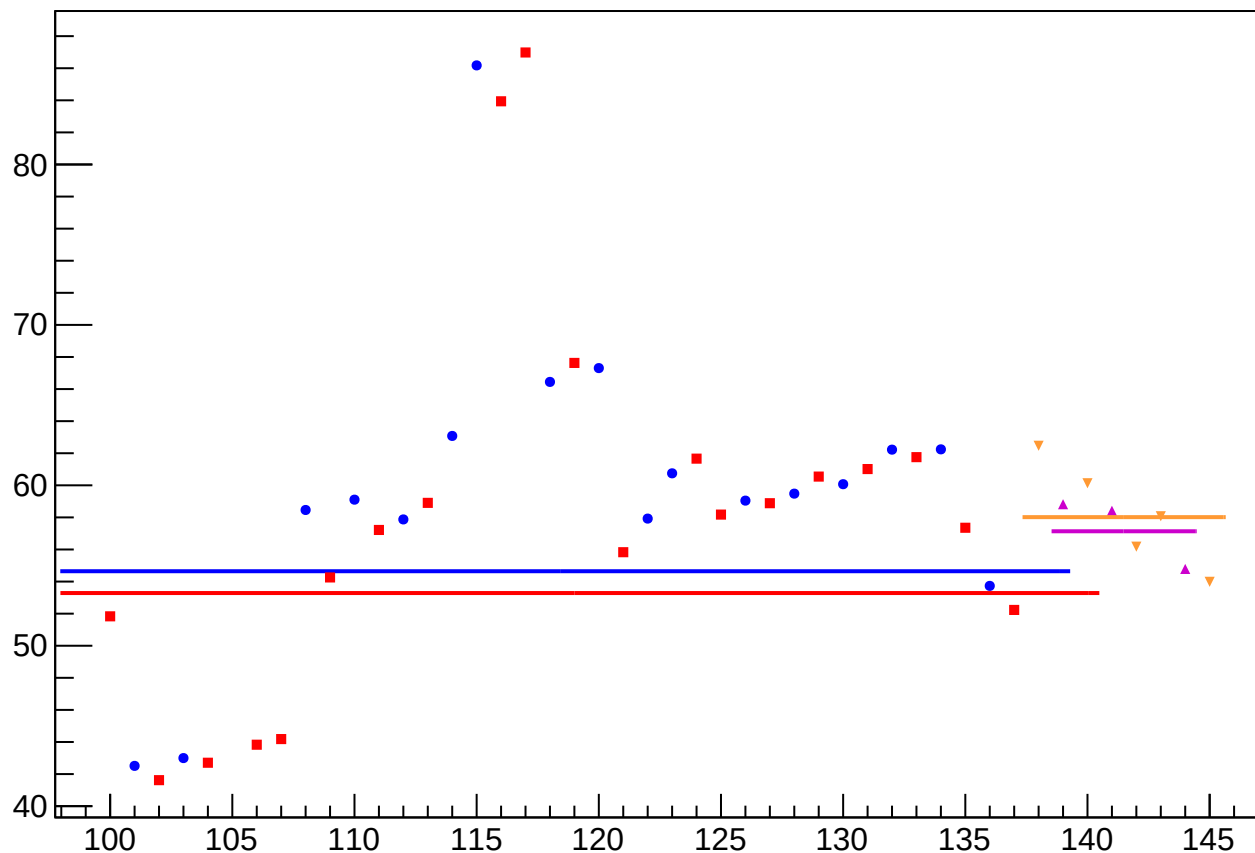
Right Out: -67.767+/-20.383 χ^2/NDF : 19.7/19

Left In: 36.568+/-36.707 χ^2/NDF : 1.0/2

54.291+/-17.787 χ^2/NDF : 23.8/21

-43.177+/-17.820 χ^2/NDF : 26.8/22

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645 ± 0.015 χ^2/NDF : 319300.2/16

Left Out: 58.016 ± 0.022 χ^2/NDF : 18887.8/4

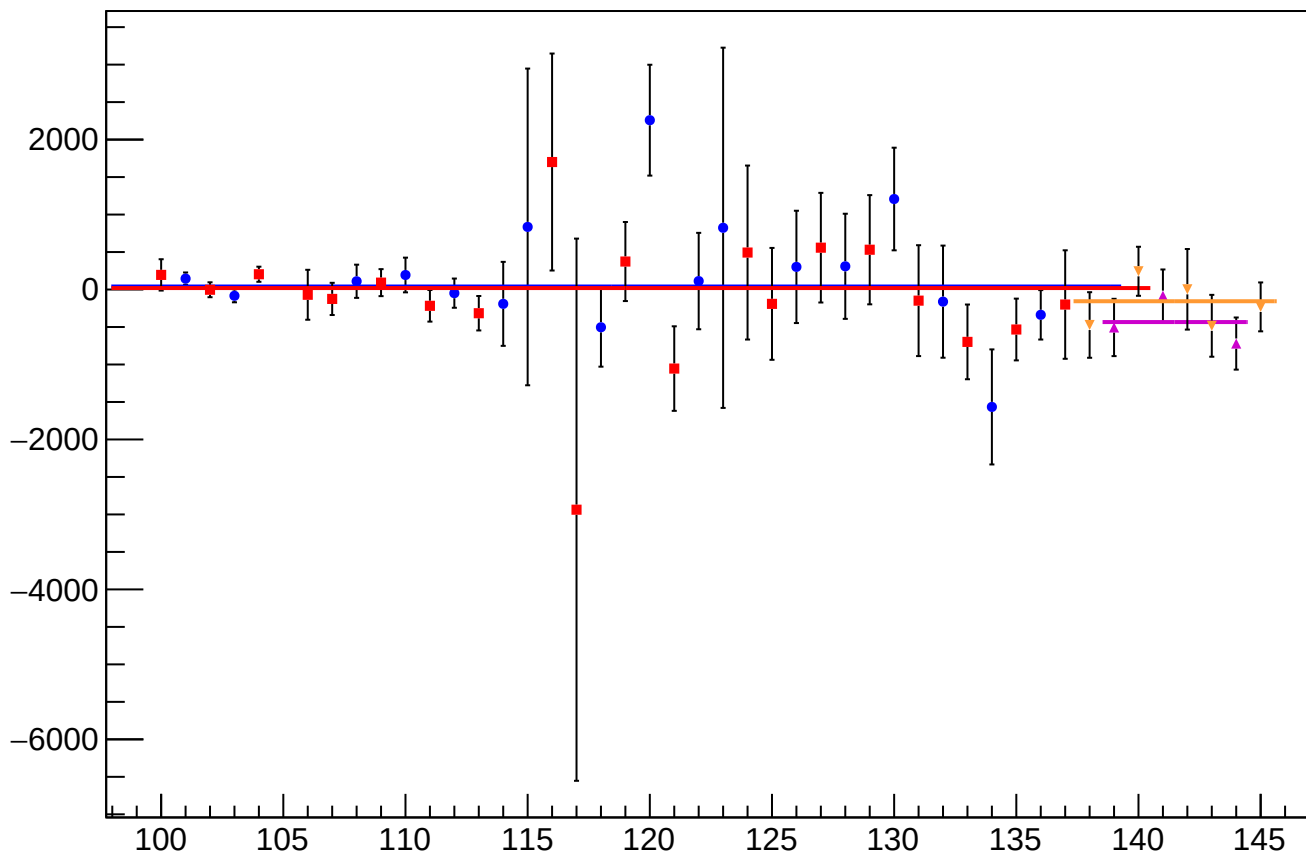
Right Out: 53.285 ± 0.014 χ^2/NDF : 398973.0/19

Left In: 57.135 ± 0.026 χ^2/NDF : 5144.2/2

55.711 ± 0.013 χ^2/NDF : 353723.4/21

54.192 ± 0.013 χ^2/NDF : 420936.1/22

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 ± 51.542 χ^2/NDF : 23.9/16

Left Out: -156.180 ± 173.249 χ^2/NDF : 2.8/4

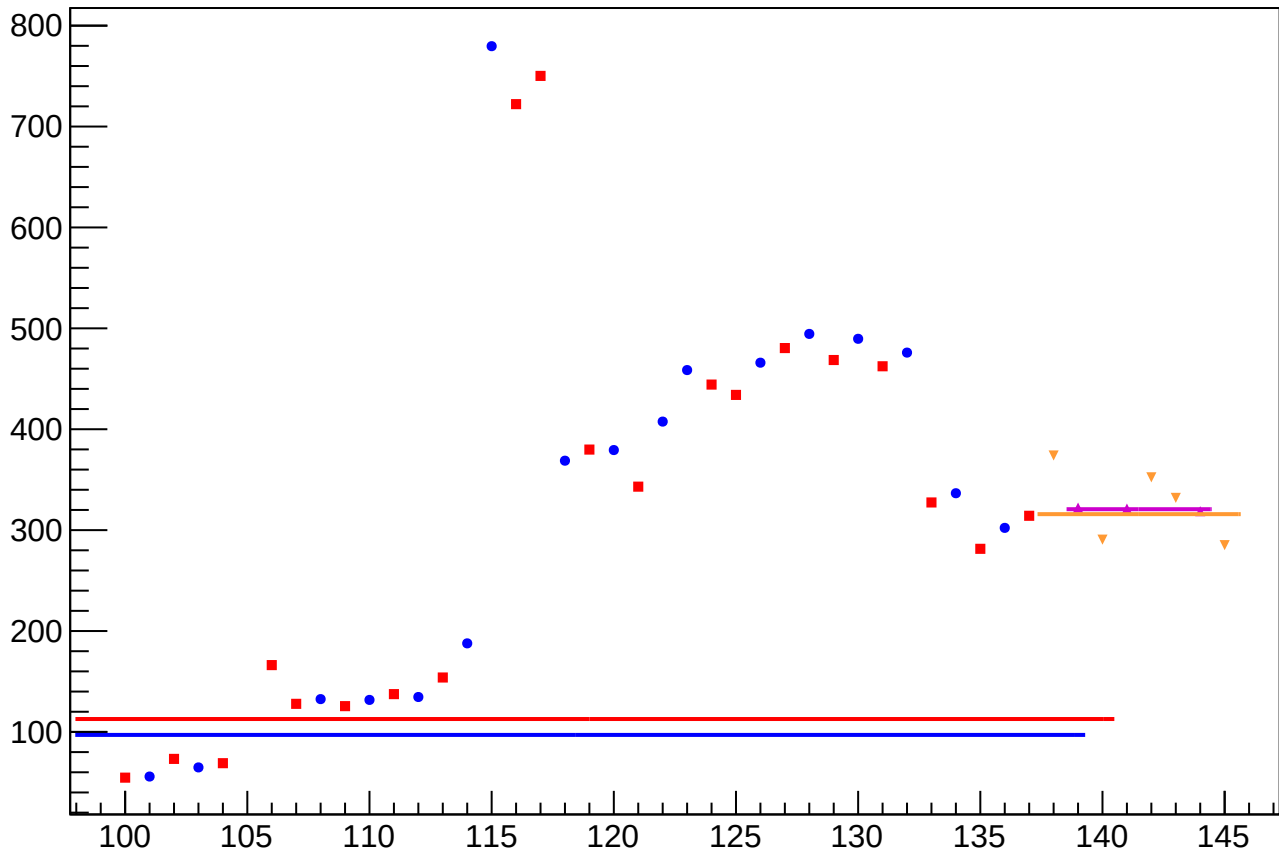
Right Out: 19.590 ± 53.268 χ^2/NDF : 19.6/19

Left In: -433.901 ± 207.255 χ^2/NDF : 1.7/2

24.238 ± 49.402 χ^2/NDF : 27.8/21

-8.510 ± 51.592 χ^2/NDF : 25.8/22

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 315.840+/-0.123 χ^2/NDF : 77307.7/4

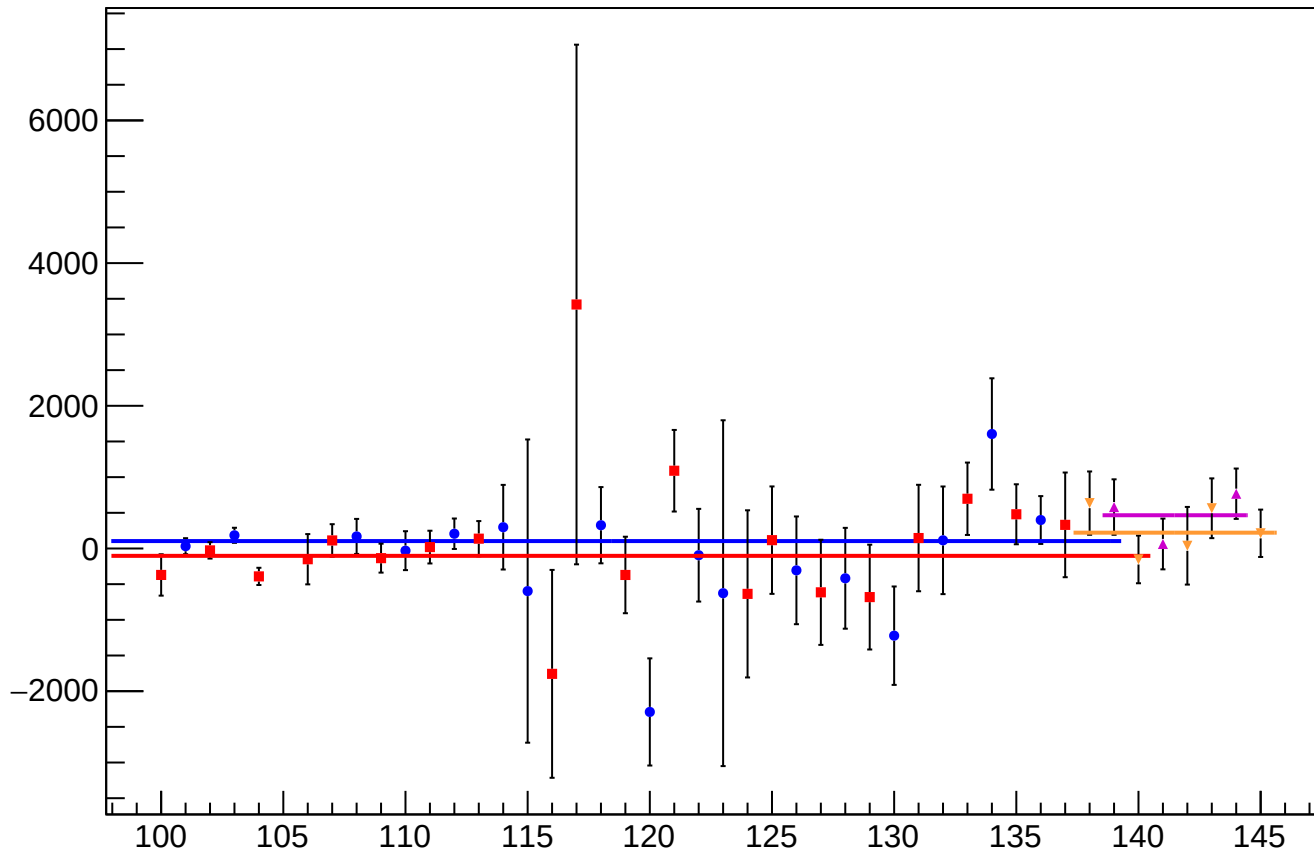
Right Out: 112.792+/-0.038 χ^2/NDF : 5098459.2/19

Left In: 320.747+/-0.147 χ^2/NDF : 106.9/2

114.830+/-0.035 χ^2/NDF : 8827606.7/21

125.678+/-0.036 χ^2/NDF : 6987330.5/22

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2/NDF : 21.3/16

Left Out: 221.772 $\pm$ 176.267 χ^2/NDF : 2.9/4

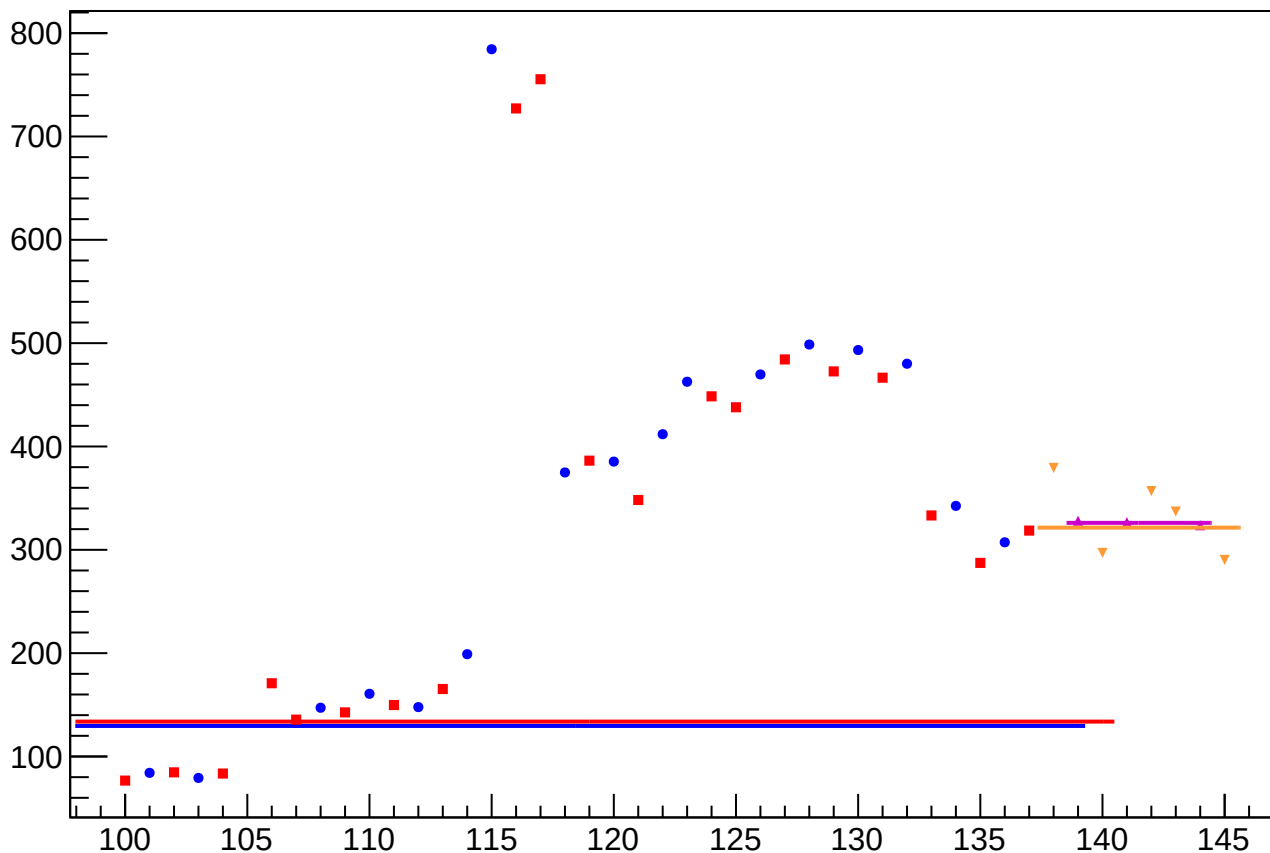
Right Out: -103.156 $\pm$ 60.849 χ^2/NDF : 22.3/19

Left In: 466.045 $\pm$ 210.629 χ^2/NDF : 2.1/2

117.400 $\pm$ 59.455 χ^2/NDF : 24.6/21

-59.311 $\pm$ 58.458 χ^2/NDF : 31.1/22

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 321.476+/-0.125 χ^2/NDF : 73580.8/4

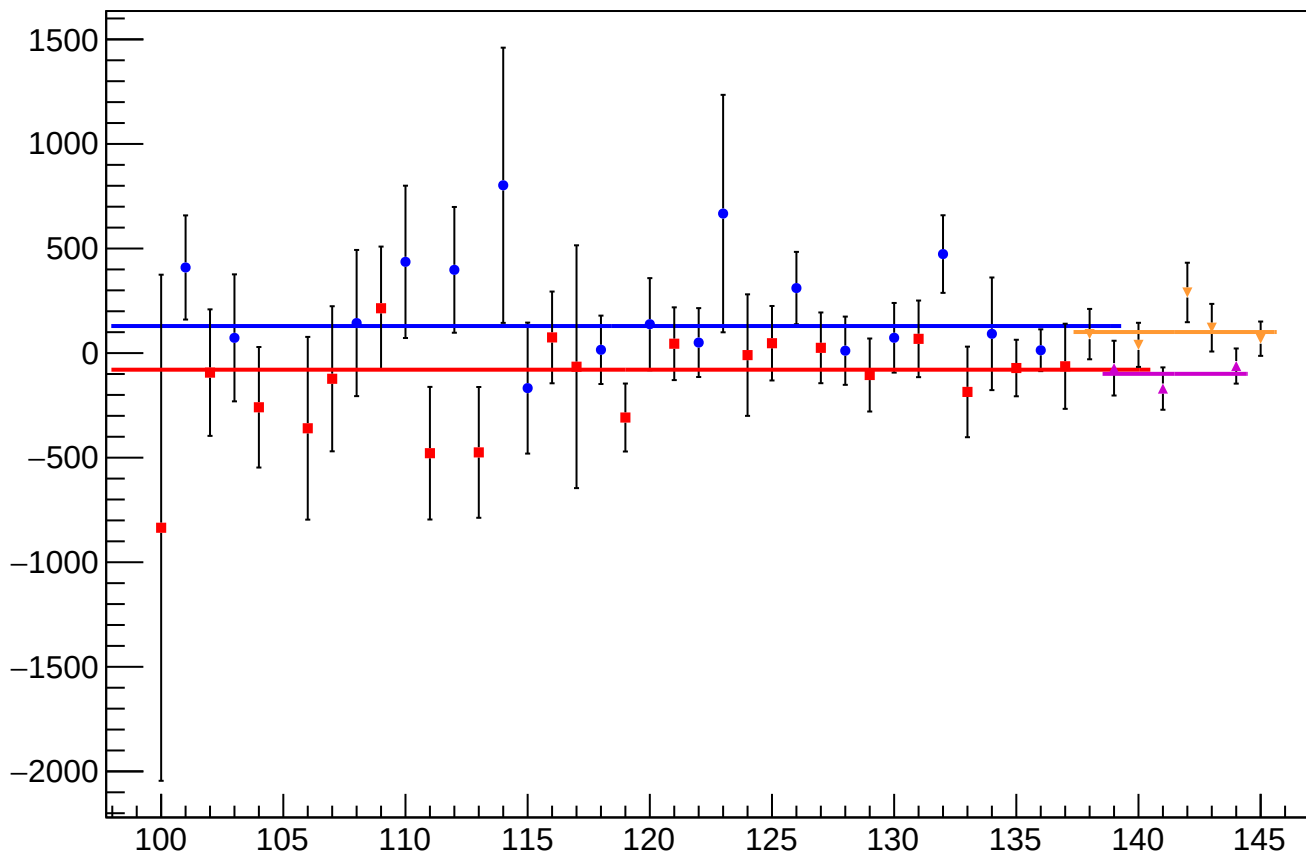
Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

Left In: 326.090+/-0.149 χ^2/NDF : 147.1/2

151.387+/-0.042 χ^2/NDF : 6947348.9/21

148.581+/-0.041 χ^2/NDF : 5963718.9/22

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 100.756 $\pm$ 48.005 χ^2 /NDF: 2.3/4

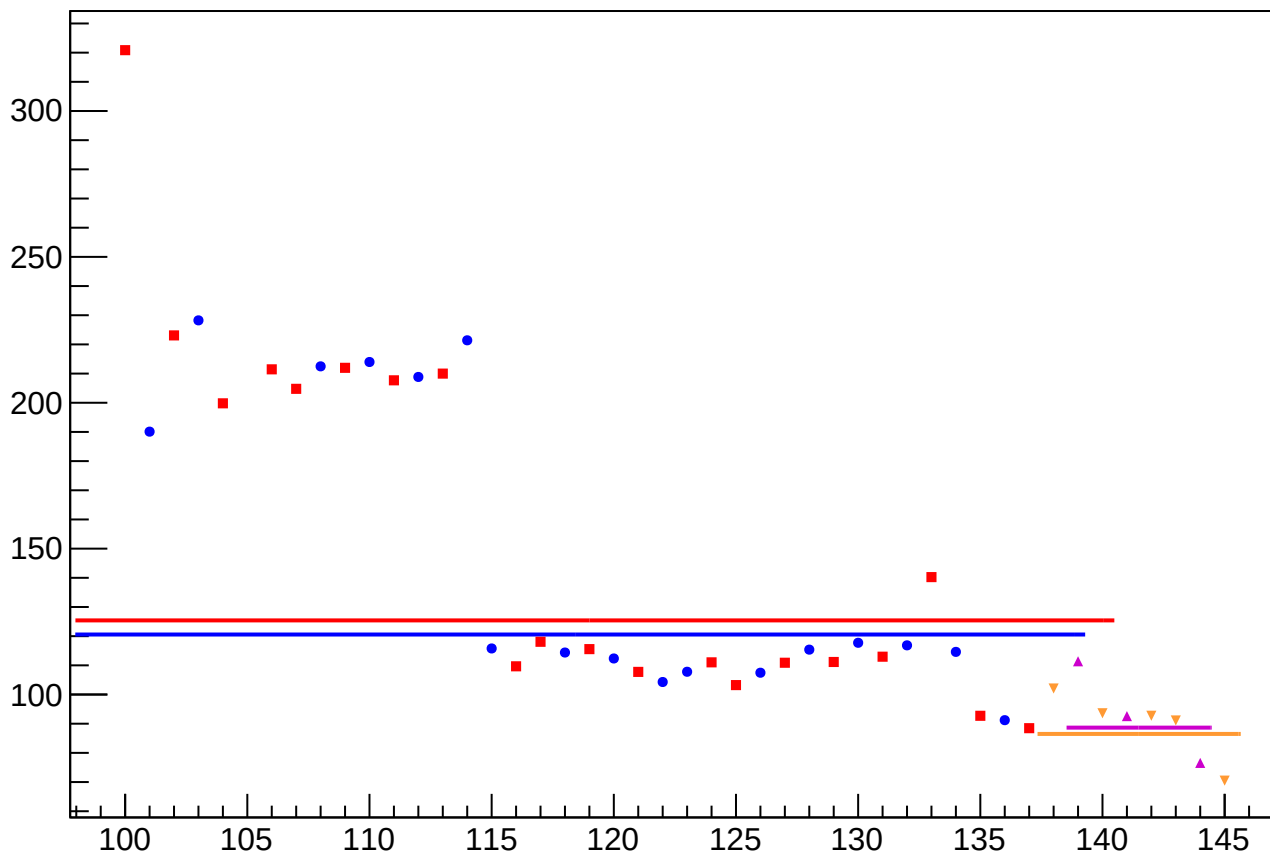
Right Out: -79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

Left In: -99.178 $\pm$ 57.977 χ^2 /NDF: 0.7/2

114.748 $\pm$ 34.333 χ^2 /NDF: 15.4/21

-87.765 $\pm$ 37.734 χ^2 /NDF: 11.0/22

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 86.491 $\pm$ 0.034 χ^2 /NDF:125682.7/4

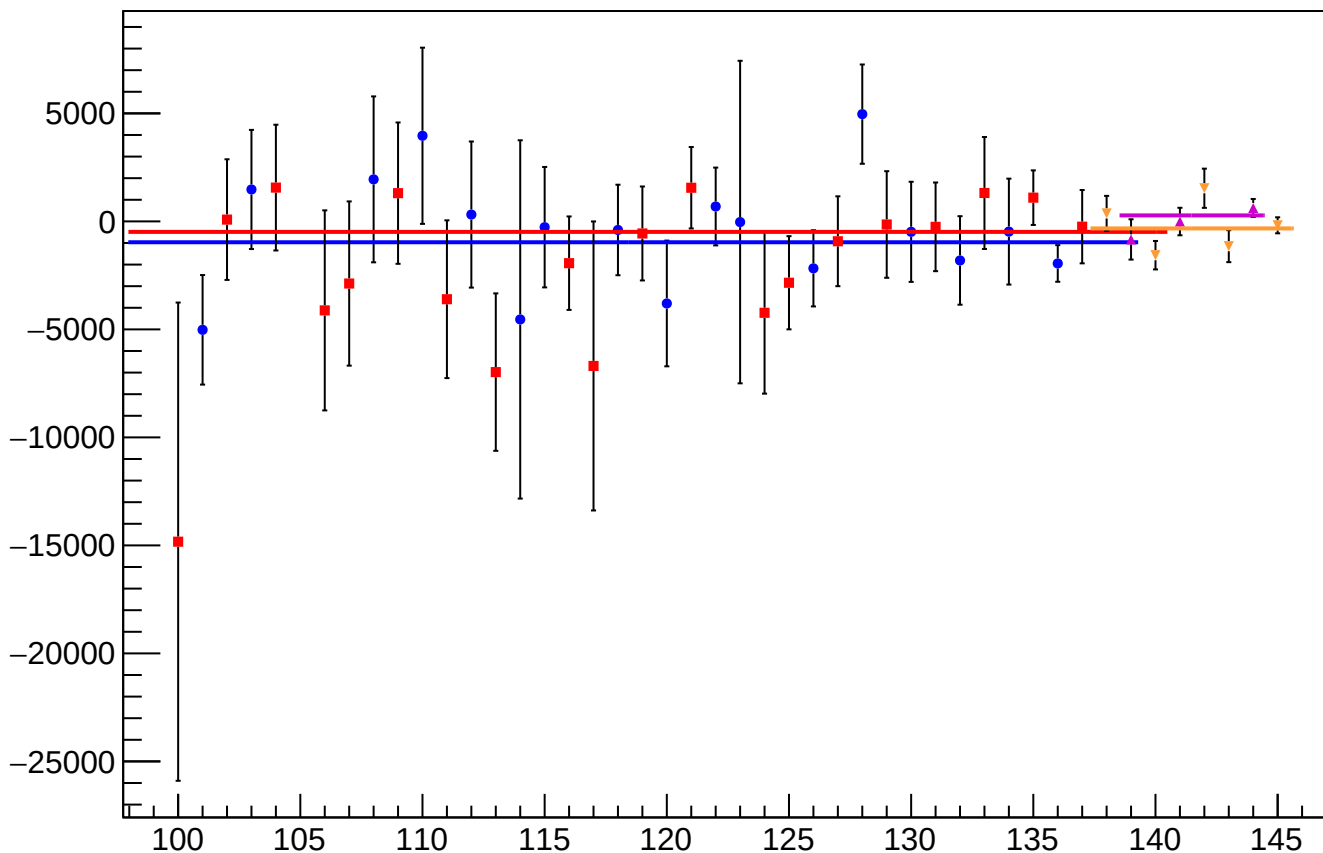
103.137 $\pm$ 0.024 χ^2 /NDF: 1729985.6/21

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

109.835 $\pm$ 0.027 χ^2 /NDF: 1902130.9/22

Left In: 88.649 $\pm$ 0.041 χ^2 /NDF:104750.8/2

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -325.894 ± 266.097 χ^2/NDF : 9.9/4

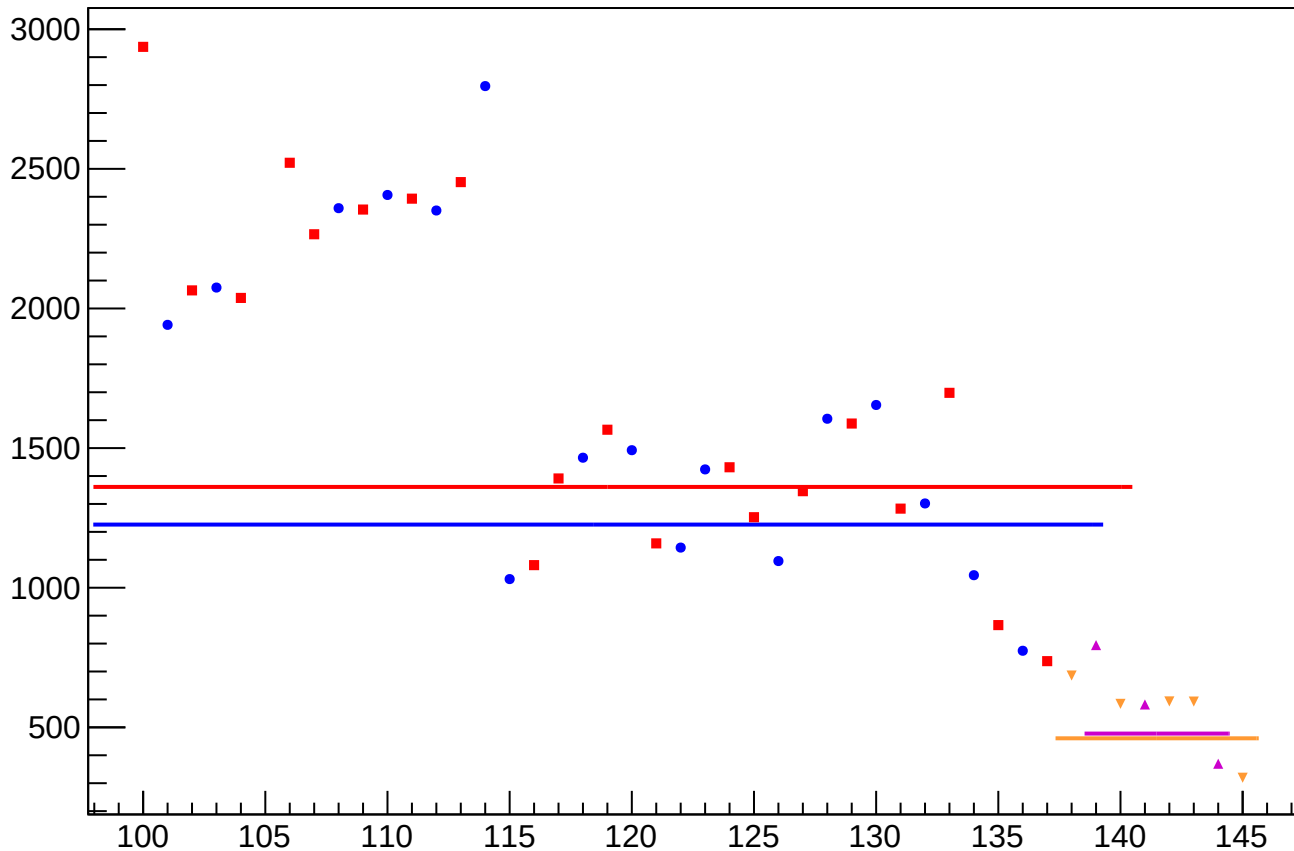
Right Out: -485.654 ± 543.567 χ^2/NDF : 14.3/19

Left In: 276.657 ± 326.775 χ^2/NDF : 2.3/2

-462.005 ± 236.146 χ^2/NDF : 27.5/21

74.292 ± 280.063 χ^2/NDF : 18.0/22

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 460.750+/-0.188 χ^2/NDF : 618243.8/4

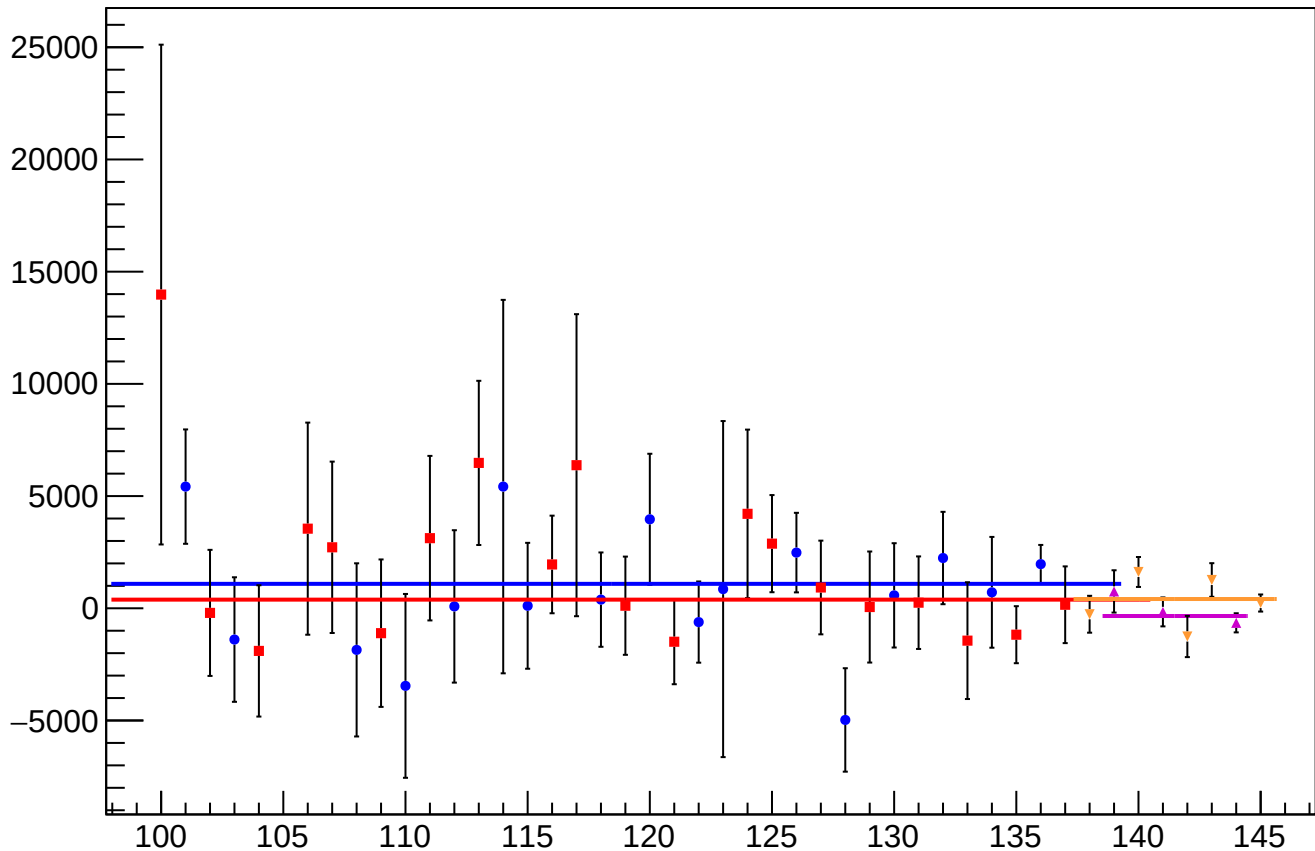
623.351+/-0.167 χ^2/NDF : 5889805.8/21

Right Out: 1360.972+/-0.384 χ^2/NDF : 1749116.2/19

712.173+/-0.198 χ^2/NDF : 6046364.1/22

Left In: 477.696+/-0.231 χ^2/NDF : 418157.7/2

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 413.044 $\pm$ 271.255 χ^2 /NDF: 8.8/4

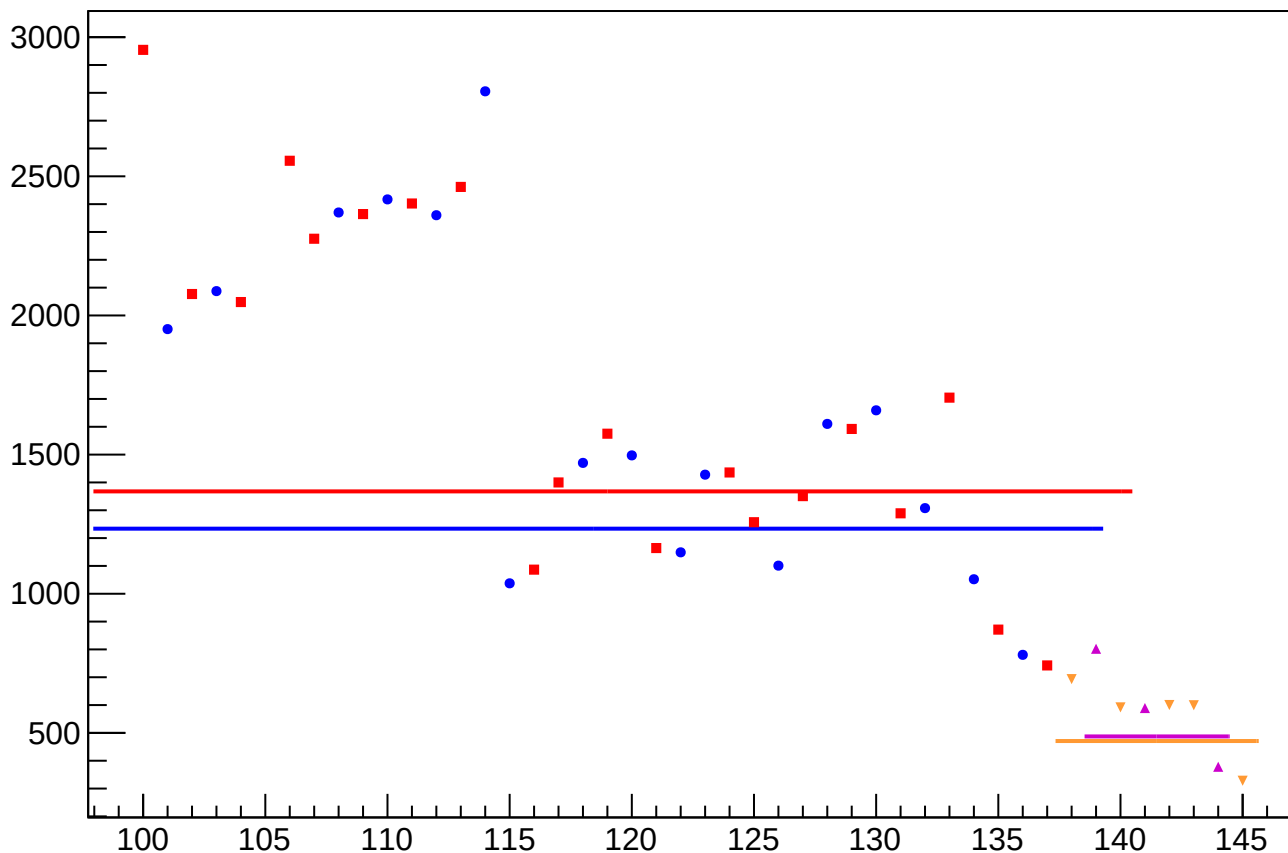
Right Out: 385.391 $\pm$ 546.382 χ^2 /NDF: 13.3/19

Left In: -344.138 $\pm$ 332.658 χ^2 /NDF: 1.9/2

559.737 $\pm$ 240.027 χ^2 /NDF: 27.0/21

-146.846 $\pm$ 284.138 χ^2 /NDF: 16.5/22

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 470.786+/-0.192 χ^2/NDF : 591483.5/4

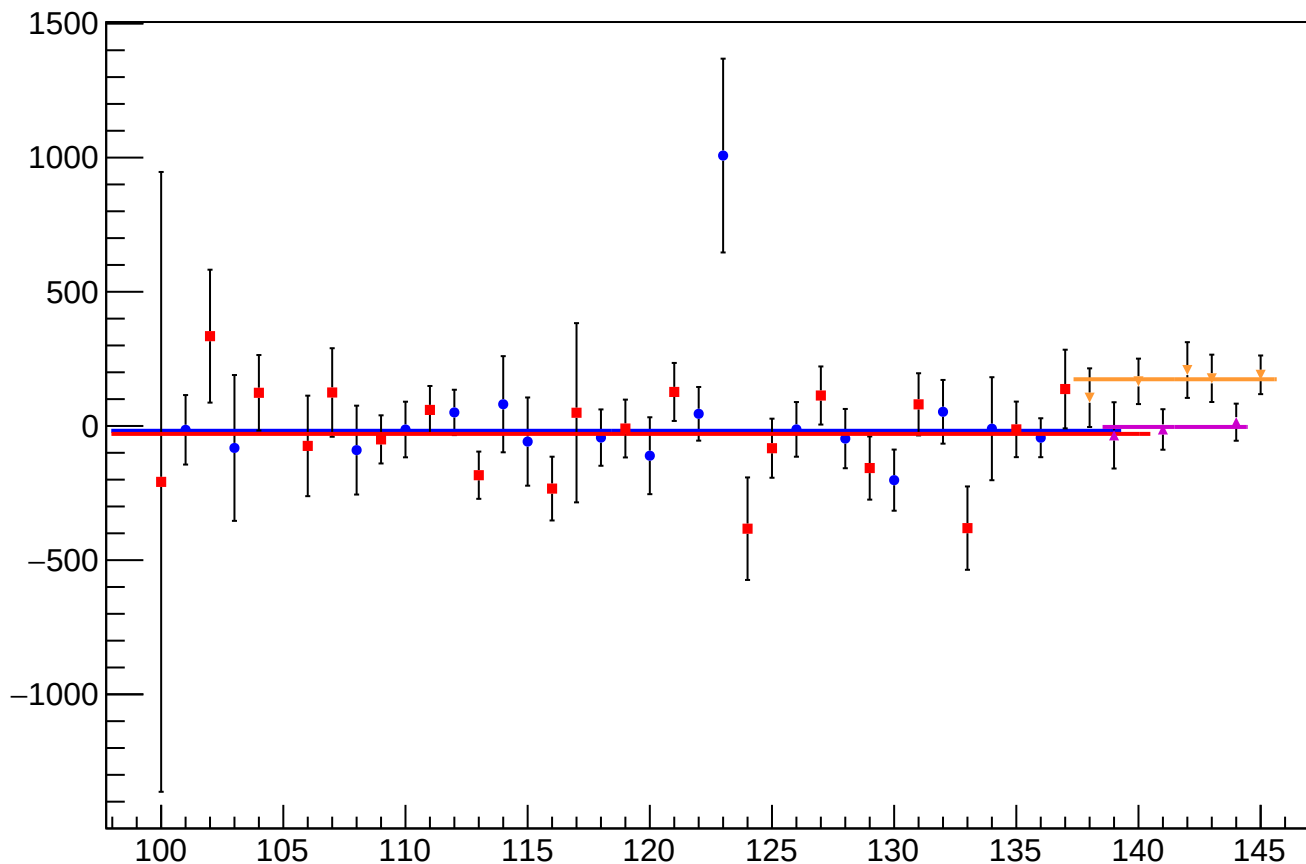
Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

Left In: 487.306+/-0.235 χ^2/NDF : 404339.5/2

636.369+/-0.170 χ^2/NDF : 5769990.0/21

725.430+/-0.201 χ^2/NDF : 5938423.5/22

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 174.027 ± 39.610 χ^2/NDF : 0.6/4

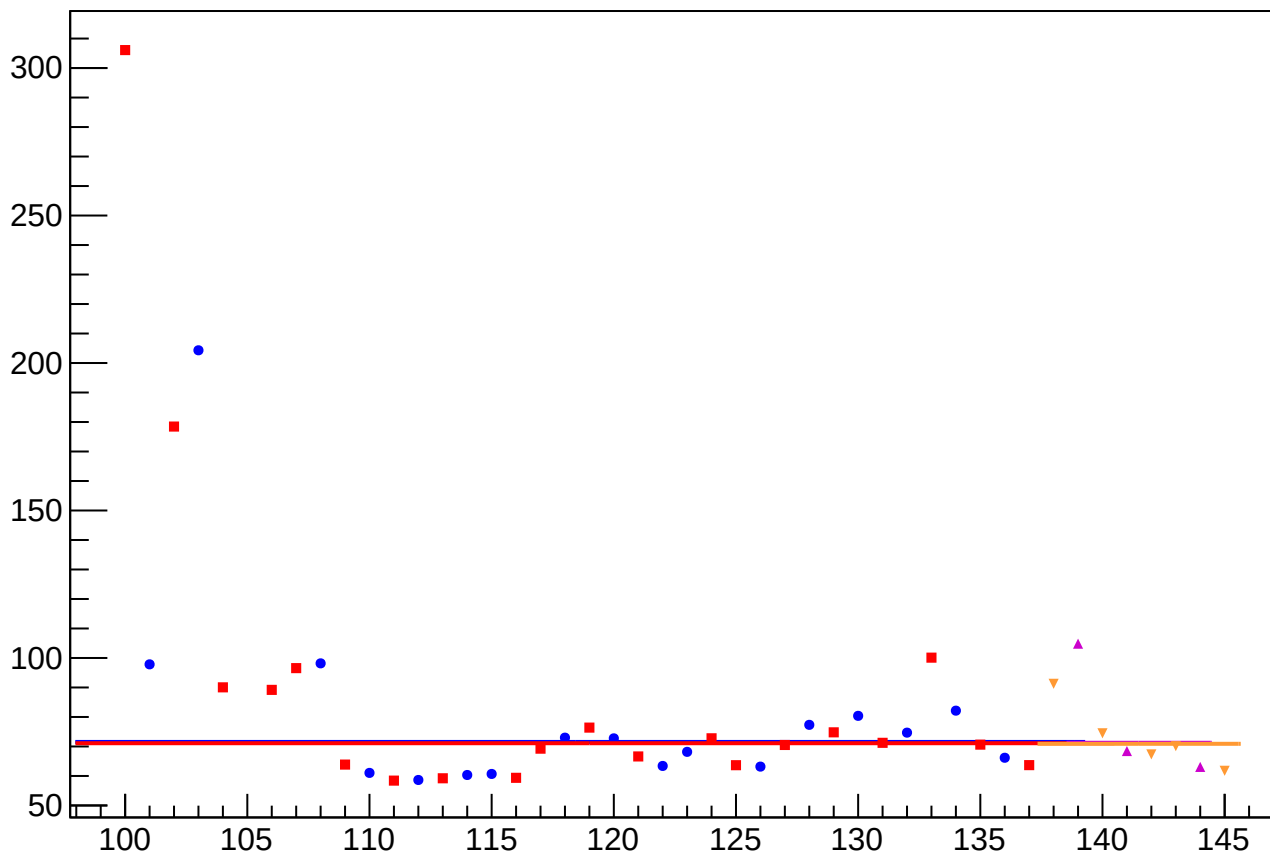
Right Out: -29.517 ± 27.879 χ^2/NDF : 27.5/19

Left In: -3.646 ± 47.112 χ^2/NDF : 0.1/2

48.571 ± 23.319 χ^2/NDF : 29.3/21

-22.807 ± 23.993 χ^2/NDF : 27.8/22

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536+/-0.020 χ^2 /NDF: 758961.6/16

Left Out: 70.903+/-0.028 χ^2 /NDF:107665.4/4

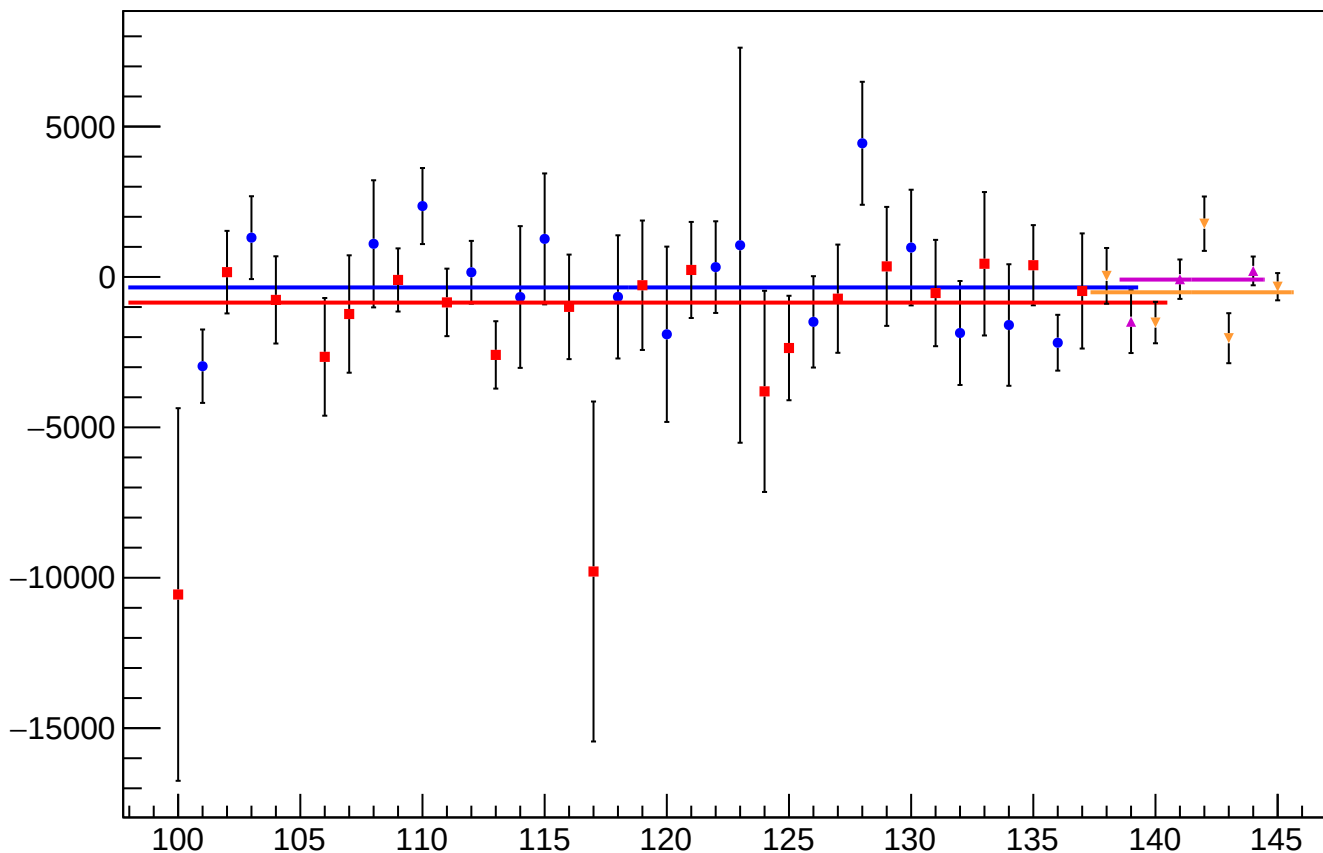
Right Out: 71.102+/-0.020 χ^2 /NDF: 765220.8/19

Left In: 71.251+/-0.033 χ^2 /NDF:178844.1/2

71.316+/-0.016 χ^2 /NDF: 866960.7/21

71.141+/-0.017 χ^2 /NDF: 944079.7/22

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 $\pm$ 381.994 χ^2/NDF : 24.1/16

Left Out: -509.552 $\pm$ 304.022 χ^2/NDF : 12.4/4

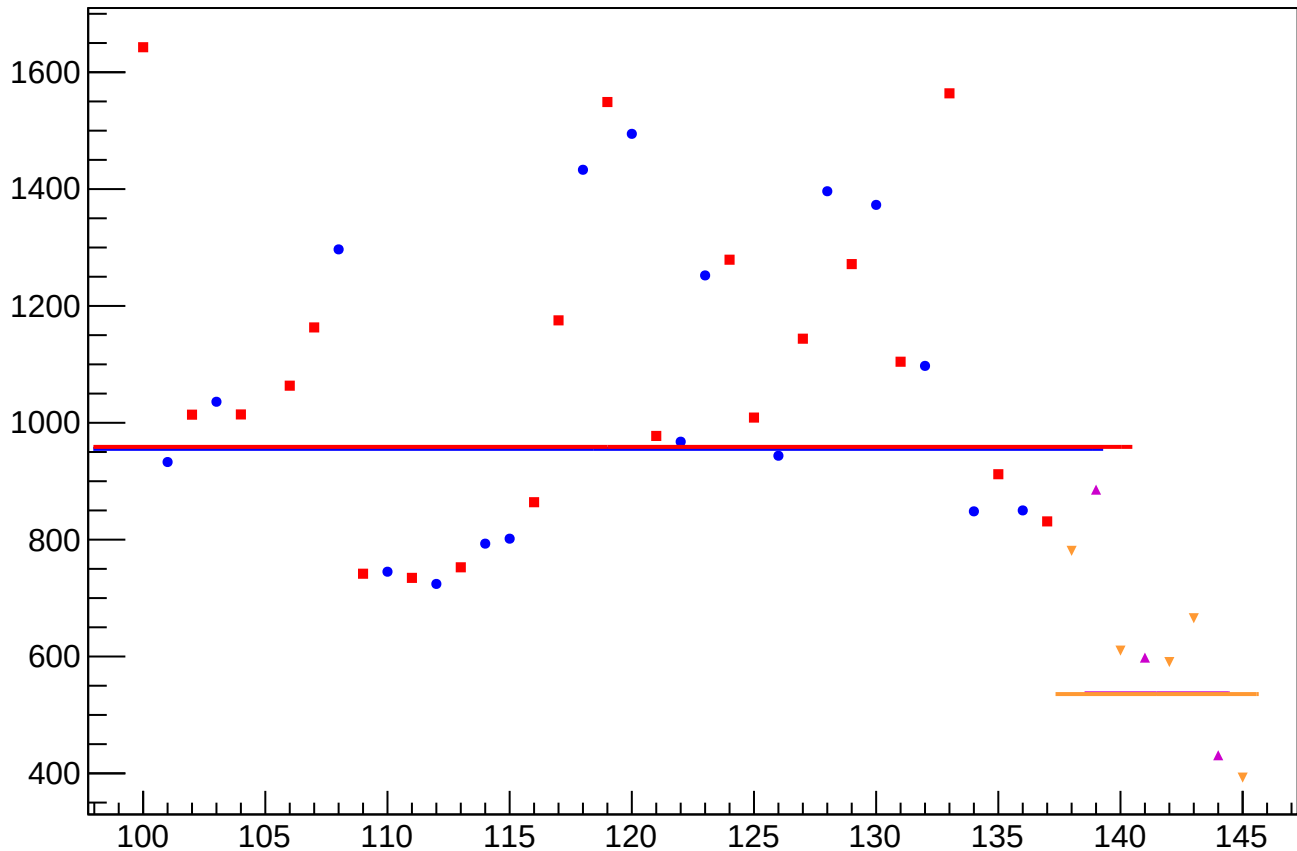
Right Out: -852.433 $\pm$ 369.018 χ^2/NDF : 13.0/19

Left In: -87.316 $\pm$ 362.167 χ^2/NDF : 2.2/2

-446.880 $\pm$ 237.878 χ^2/NDF : 36.6/21

-462.707 $\pm$ 258.479 χ^2/NDF : 17.4/22

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 535.714+/-0.215 χ^2/NDF : 418694.3/4

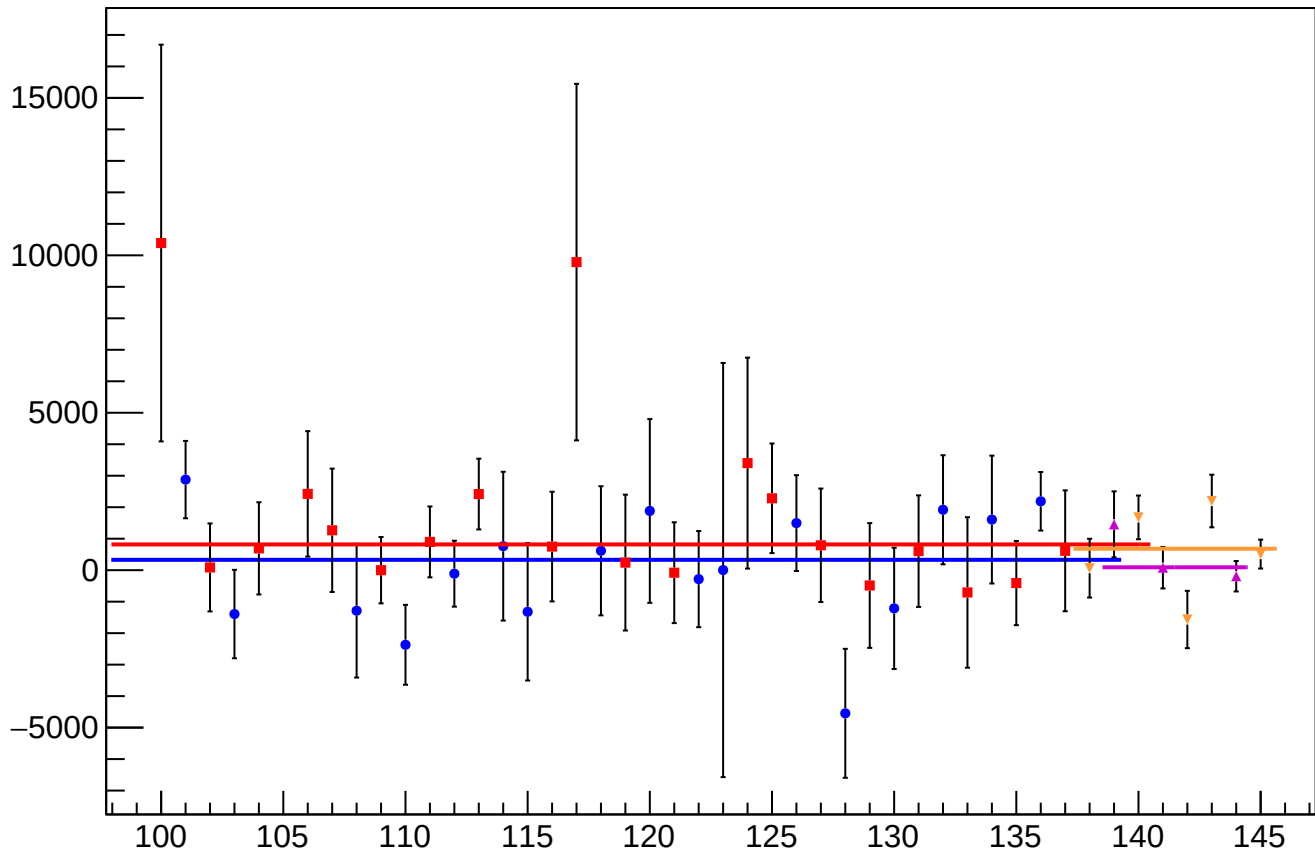
Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

Left In: 537.039+/-0.256 χ^2/NDF : 339678.5/2

698.474+/-0.168 χ^2/NDF : 2543359.9/21

743.957+/-0.183 χ^2/NDF : 2366318.2/22

asym_sam_37_avg_mean vs Slug



Right In: 329.164+/-383.728 χ^2/NDF : 24.3/16

Left Out: 681.606+/-306.977 χ^2/NDF : 12.0/4

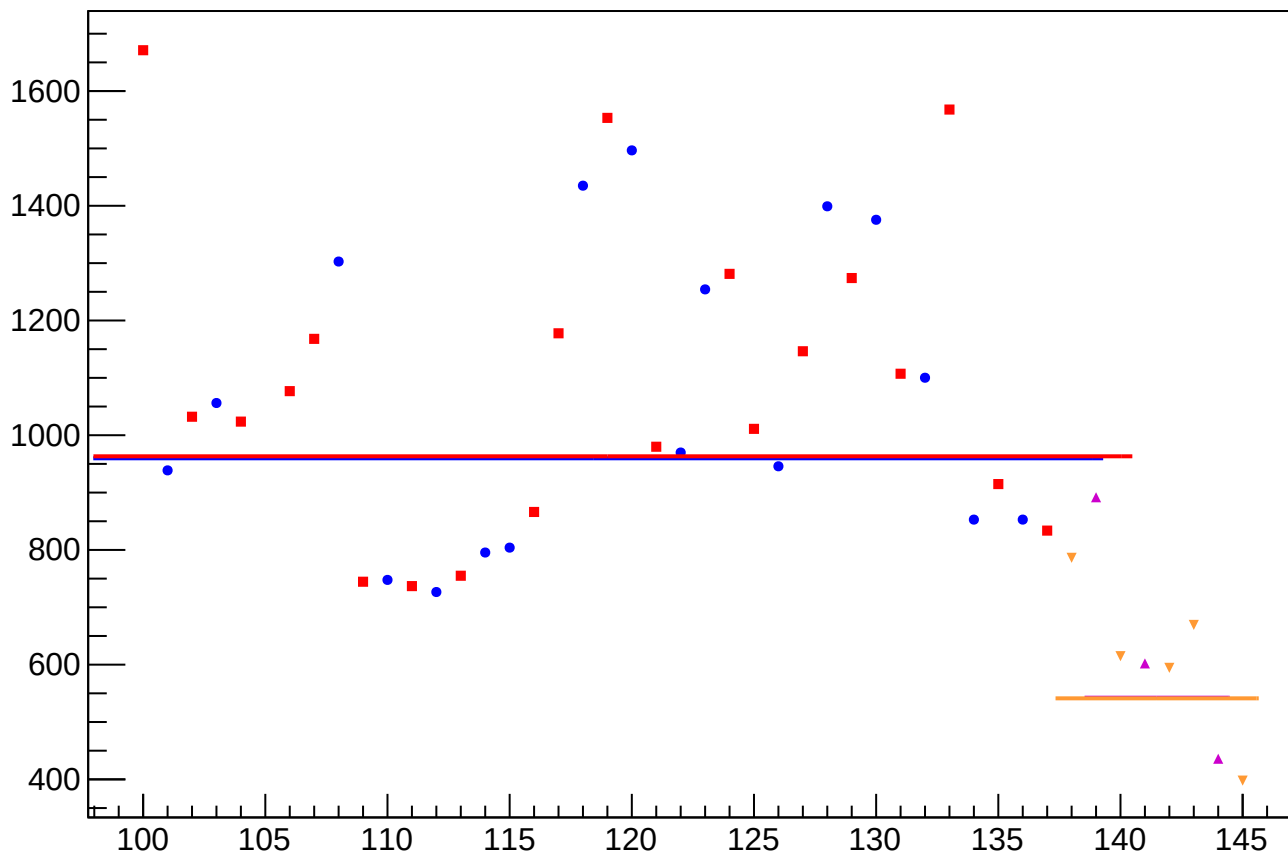
Right Out: 818.253+/-370.875 χ^2/NDF : 11.8/19

Left In: 91.336+/-365.550 χ^2/NDF : 2.0/2

544.071+/-239.710 χ^2/NDF : 36.8/21

449.538+/-260.345 χ^2/NDF : 15.8/22

asym_sam_37_avg_rms vs Slug



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 541.270 $\pm$ 0.217 χ^2 /NDF: 409413.5/4

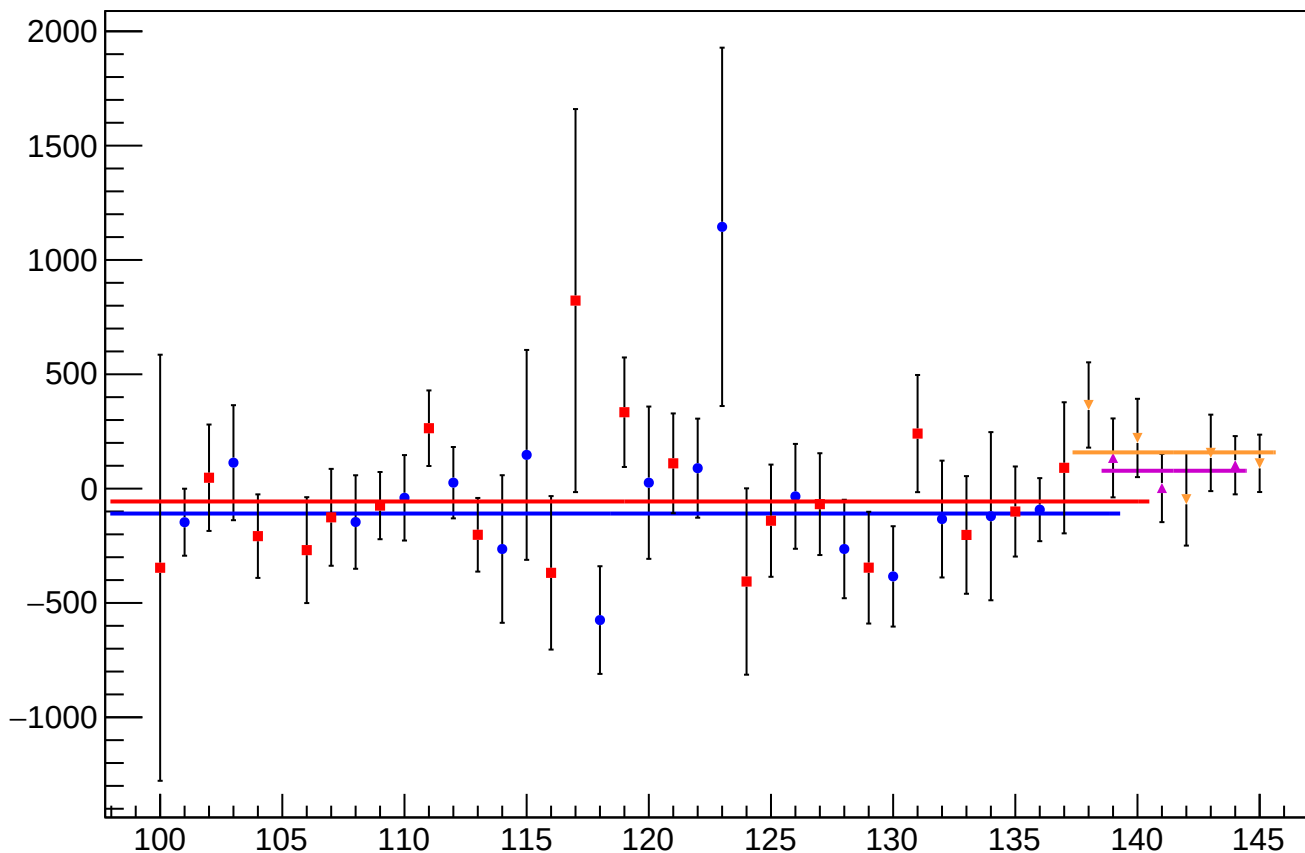
Right Out: 963.238 $\pm$ 0.262 χ^2 /NDF: 698638.3/19

Left In: 542.398 $\pm$ 0.258 χ^2 /NDF: 335180.6/2

704.584 $\pm$ 0.170 χ^2 /NDF: 2506703.2/21

749.775 $\pm$ 0.184 χ^2 /NDF: 2340030.9/22

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 158.486 ± 73.234 χ^2/NDF : 2.5/4

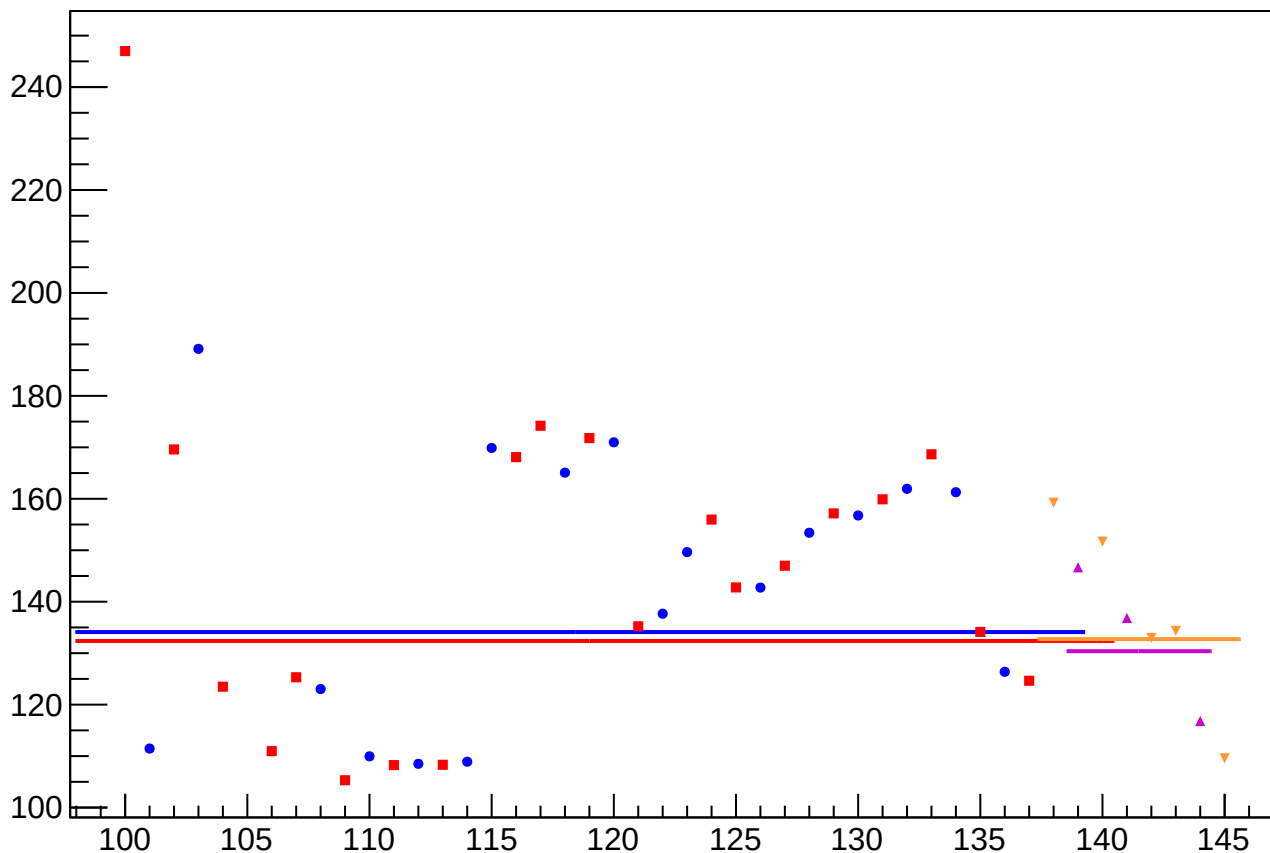
Right Out: -56.241 ± 50.729 χ^2/NDF : 16.0/19

Left In: 78.105 ± 84.489 χ^2/NDF : 0.4/2

-17.219 ± 42.895 χ^2/NDF : 23.3/21

-20.642 ± 43.492 χ^2/NDF : 18.2/22

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 132.731+/-0.052 χ^2/NDF :133207.1/4

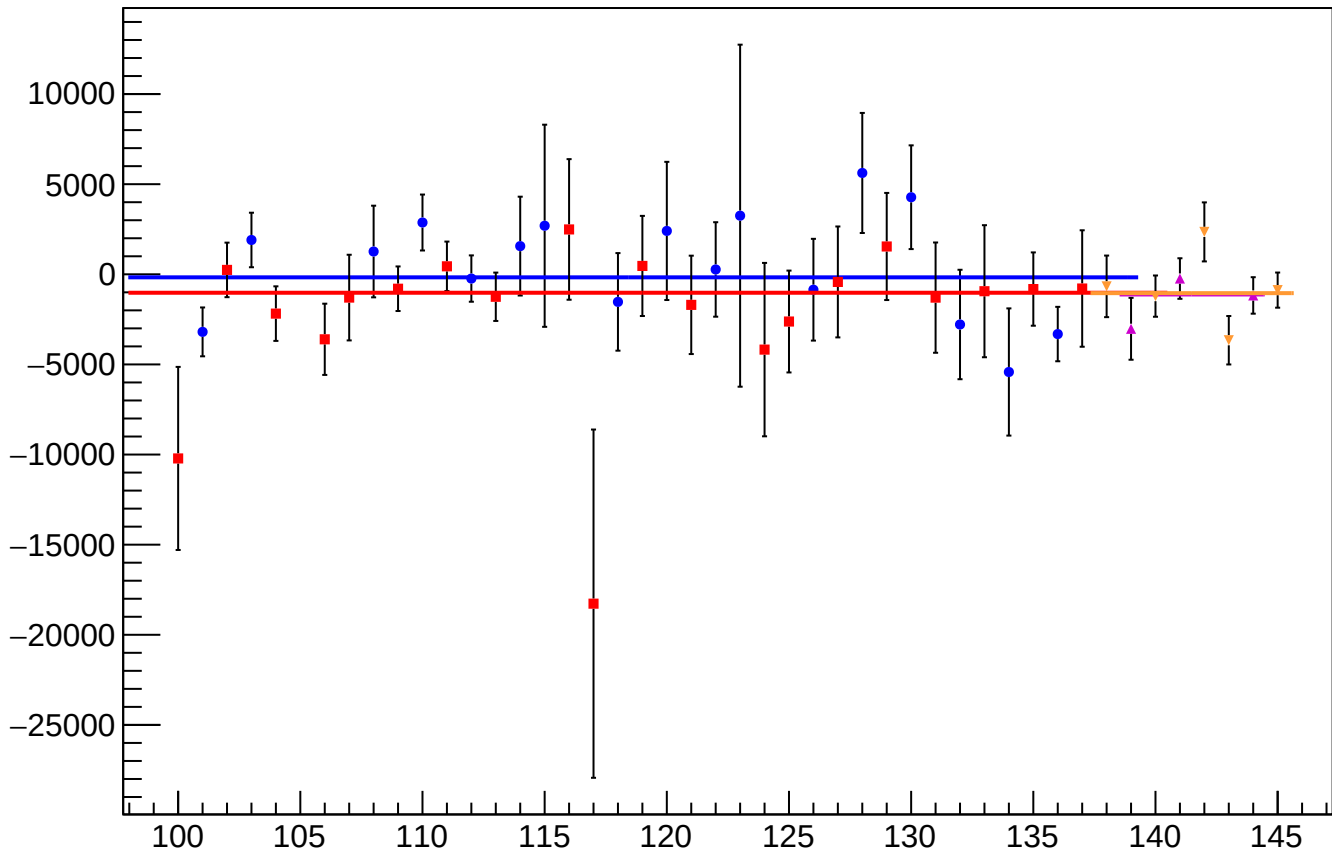
Right Out: 132.373+/-0.036 χ^2/NDF : 446741.9/19

Left In: 130.386+/-0.060 χ^2/NDF :44287.2/2

133.633+/-0.030 χ^2/NDF : 536249.4/21

131.846+/-0.031 χ^2/NDF : 491841.6/22

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237+/-523.672 χ^2/NDF : 25.3/16

Left Out: -1045.102+/-569.311 χ^2/NDF : 8.2/4

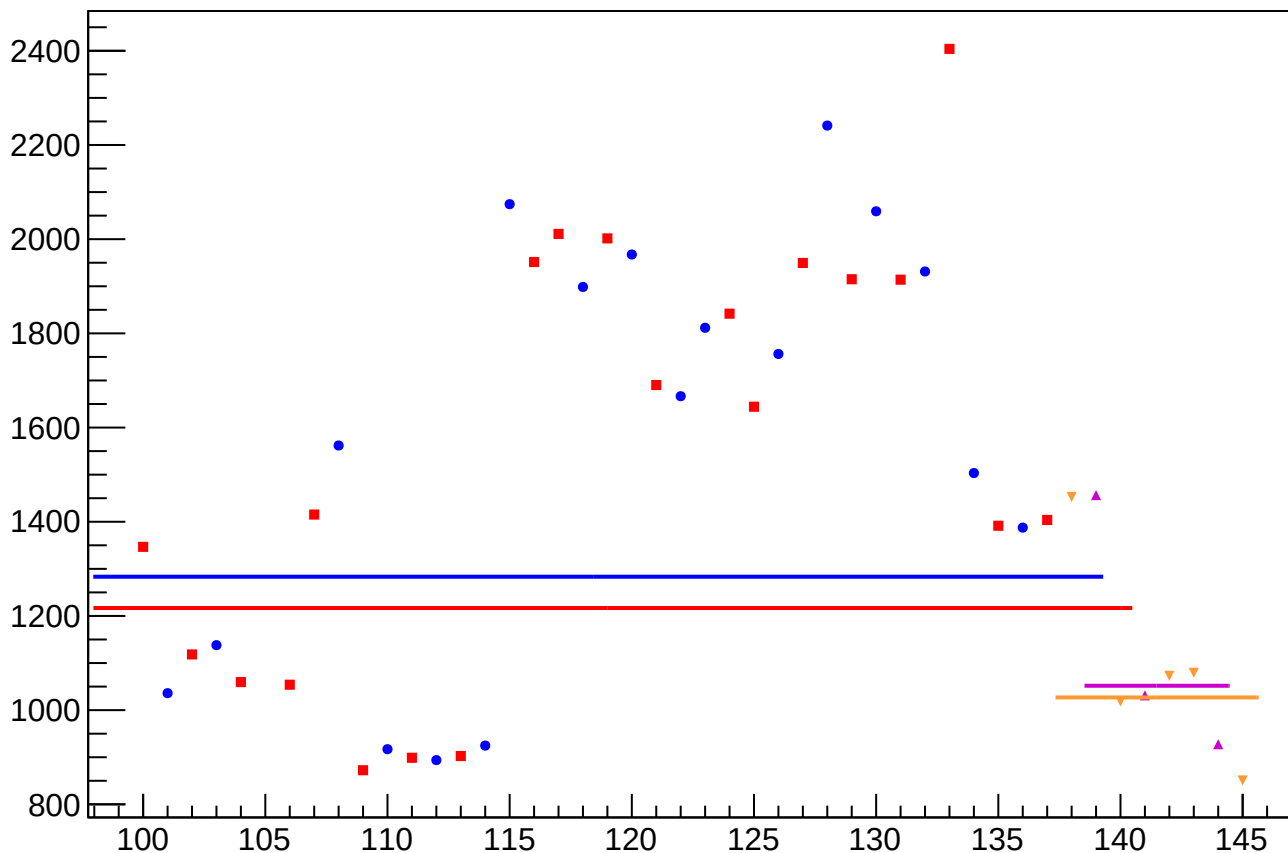
Right Out: -1023.271+/-480.373 χ^2/NDF : 13.4/19

Left In: -1119.015+/-689.170 χ^2/NDF : 1.8/2

-570.118+/-385.418 χ^2/NDF : 34.8/21

-1054.578+/-394.086 χ^2/NDF : 15.3/22

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1026.910+/-0.403 χ^2/NDF :194300.4/4

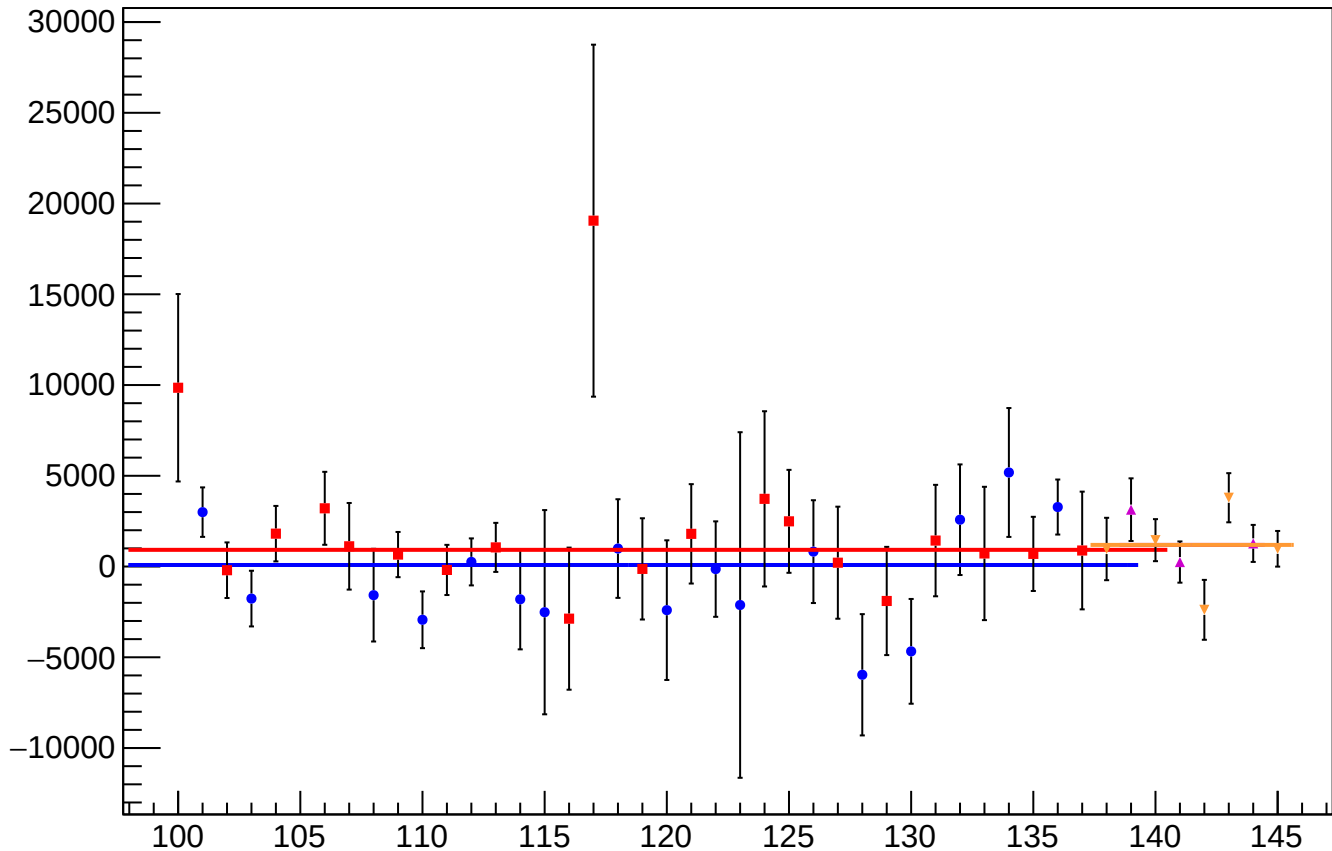
Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

Left In: 1051.796+/-0.487 χ^2/NDF :141953.9/2

1165.802+/-0.273 χ^2/NDF : 1583487.0/21

1162.881+/-0.279 χ^2/NDF : 1593578.3/22

asym_sam_48_avg_mean vs Slug



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 1191.726+/-574.276 χ^2/NDF : 8.5/4

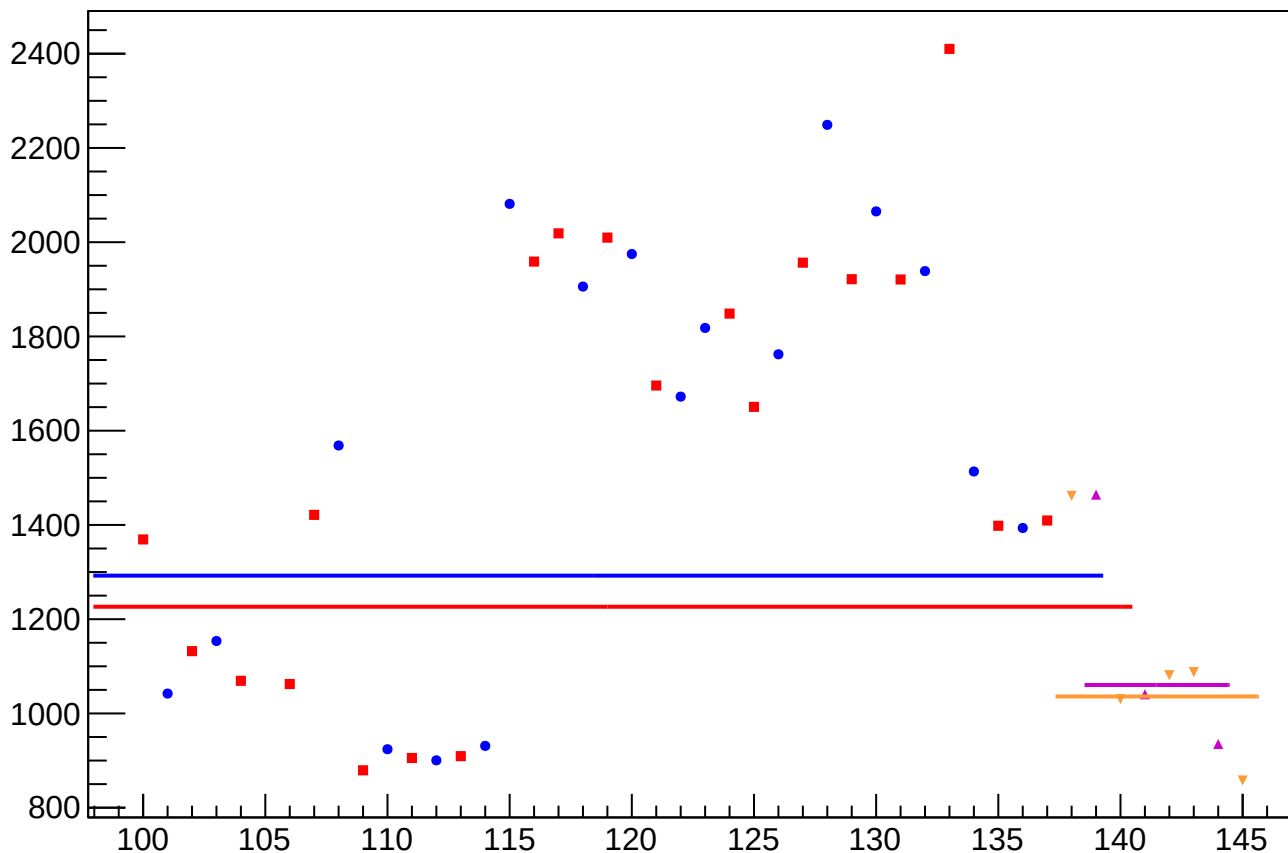
Right Out: 919.892+/-484.043 χ^2/NDF : 12.2/19

Left In: 1190.722+/-694.630 χ^2/NDF : 2.0/2

591.068+/-388.318 χ^2/NDF : 35.2/21

1008.416+/-397.133 χ^2/NDF : 14.3/22

asym_sam_48_avg_rms vs Slug



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1036.015 $\pm$ 0.406 χ^2 /NDF:192942.5/4

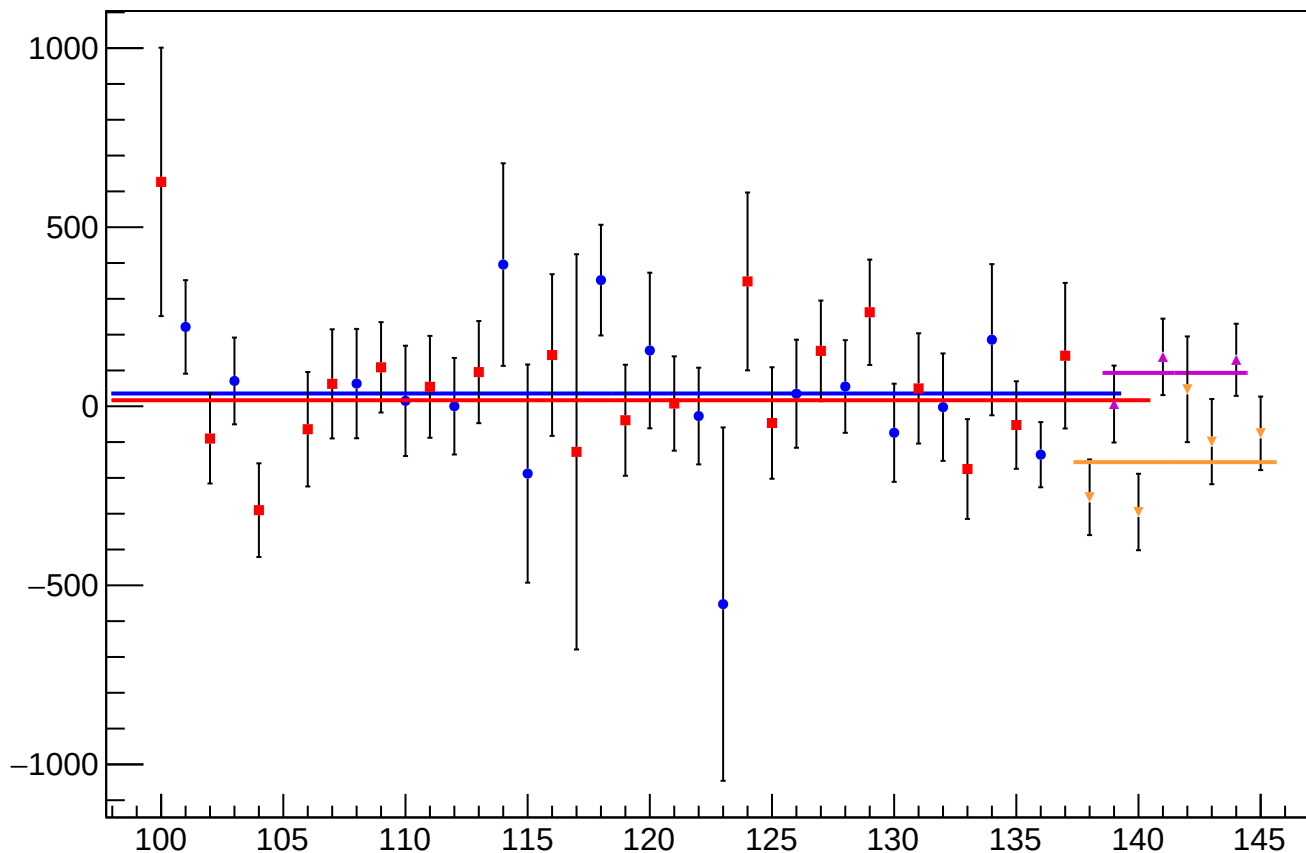
Right Out: 1226.408 $\pm$ 0.342 χ^2 /NDF: 1359134.9/19

Left In: 1060.366 $\pm$ 0.491 χ^2 /NDF:140338.6/2

1175.188 $\pm$ 0.275 χ^2 /NDF: 1565928.3/21

1172.135 $\pm$ 0.281 χ^2 /NDF: 1576397.9/22

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -155.970+/-50.698 χ^2/NDF : 5.3/4

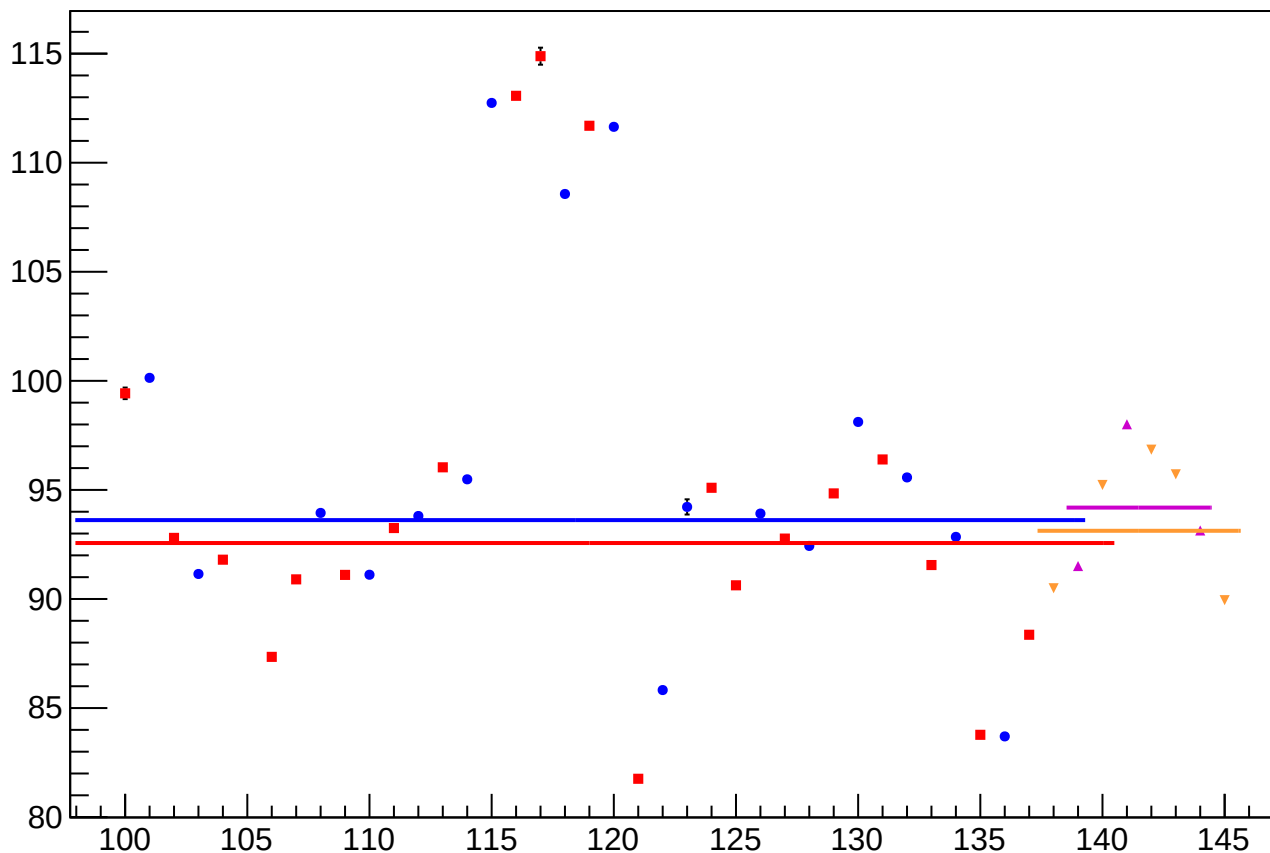
Right Out: 16.849+/-34.623 χ^2/NDF : 19.0/19

Left In: 93.195+/-60.505 χ^2/NDF : 1.0/2

-29.393+/-29.542 χ^2/NDF : 30.0/21

35.681+/-30.050 χ^2/NDF : 21.2/22

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616 ± 0.026 χ^2/NDF : 79928.5/16

Left Out: 93.126 ± 0.036 χ^2/NDF : 6159.2/4

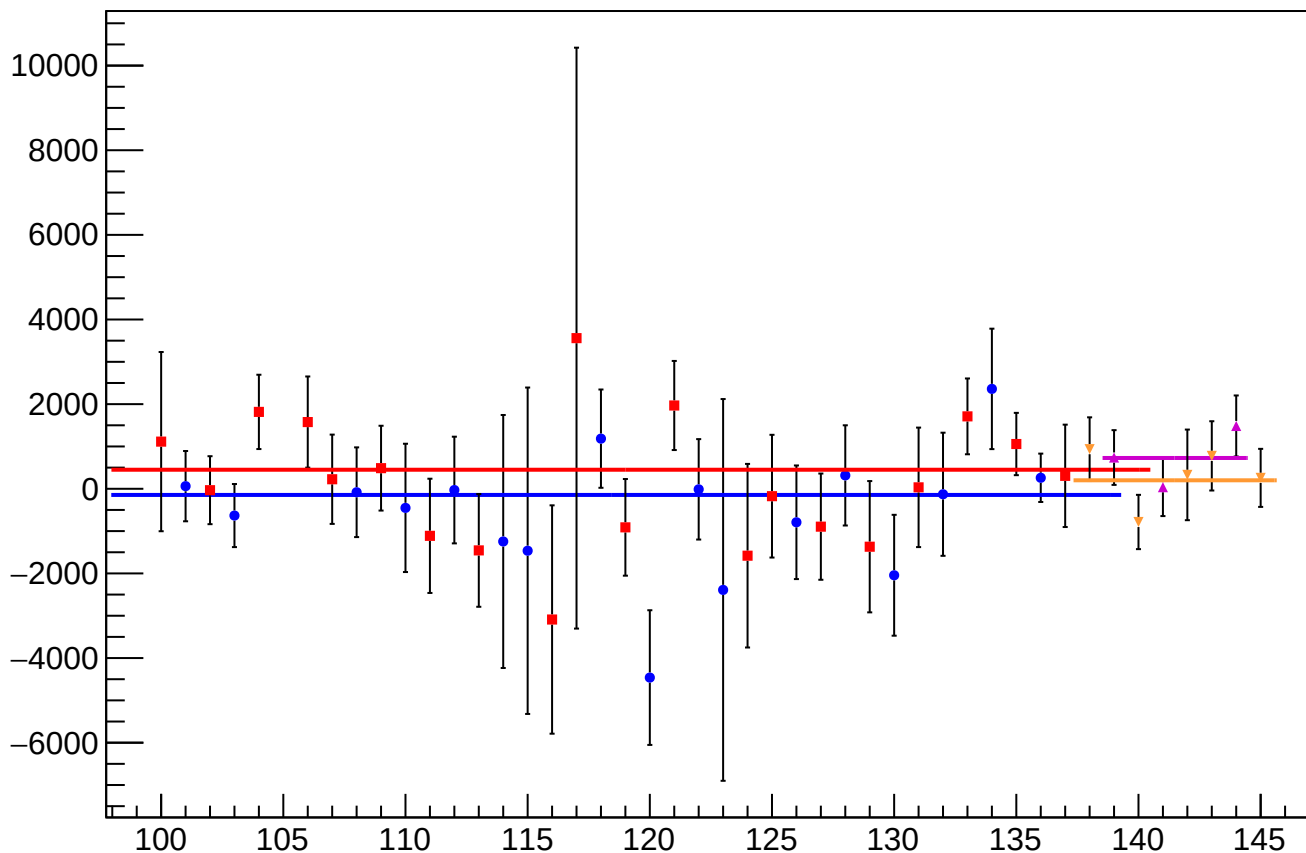
Right Out: 92.565 ± 0.024 χ^2/NDF : 81875.5/19

Left In: 94.189 ± 0.043 χ^2/NDF : 4024.8/2

93.450 ± 0.021 χ^2/NDF : 86211.0/21

92.966 ± 0.021 χ^2/NDF : 86985.7/22

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464+/-276.629 χ^2/NDF : 15.5/16

Left Out: 200.421+/-339.266 χ^2/NDF : 3.8/4

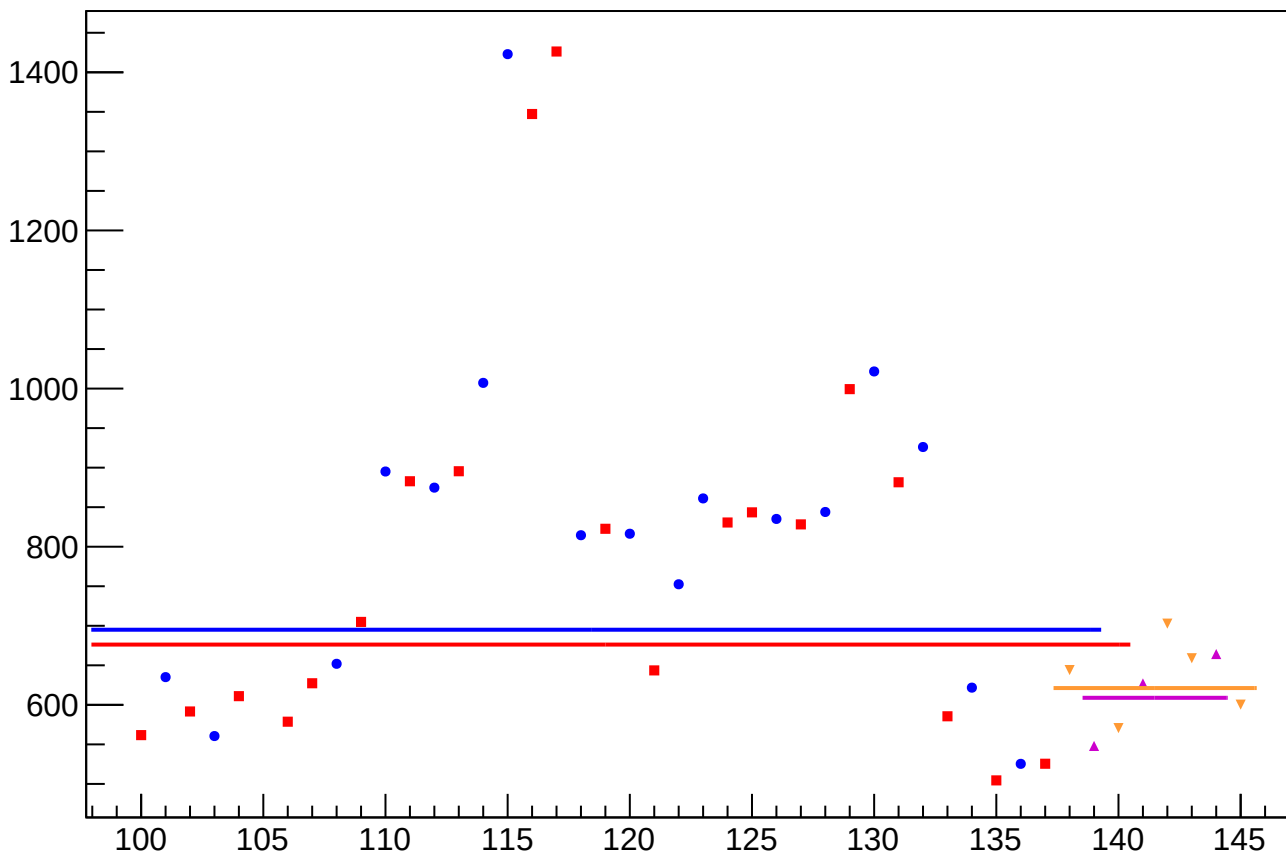
Right Out: 450.047+/-260.089 χ^2/NDF : 19.2/19

Left In: 727.838+/-393.460 χ^2/NDF : 2.1/2

-7.338+/-214.394 χ^2/NDF : 19.9/21

534.520+/-216.970 χ^2/NDF : 21.7/22

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 $\pm$ 0.196 χ^2/NDF : 677713.0/16

Left Out: 621.241 $\pm$ 0.240 χ^2/NDF : 31982.6/4

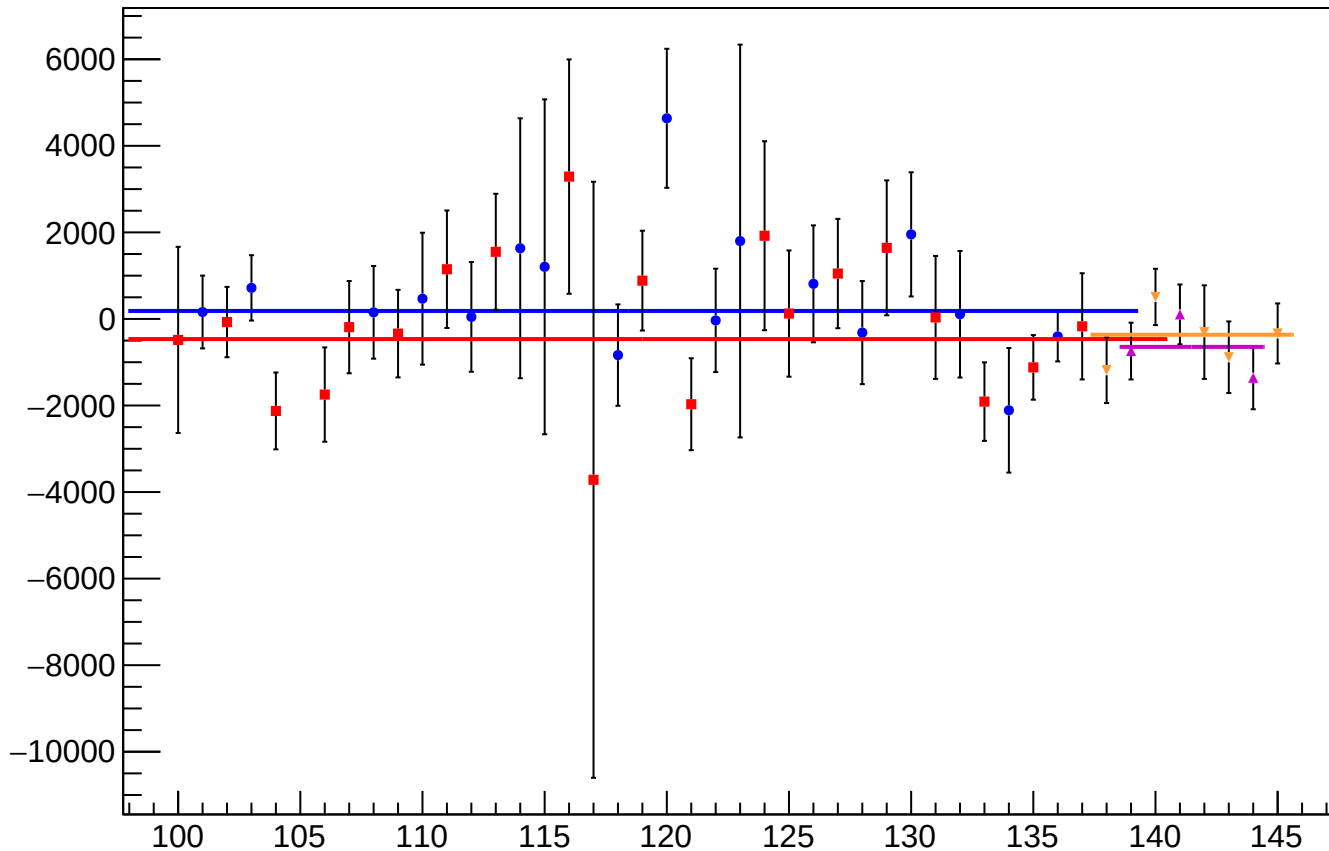
Right Out: 676.229 $\pm$ 0.184 χ^2/NDF : 700313.6/19

Left In: 608.922 $\pm$ 0.278 χ^2/NDF : 30922.0/2

665.554 $\pm$ 0.152 χ^2/NDF : 766497.8/21

655.762 $\pm$ 0.153 χ^2/NDF : 771965.2/22

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -364.945 ± 343.161 χ^2/NDF : 3.4/4

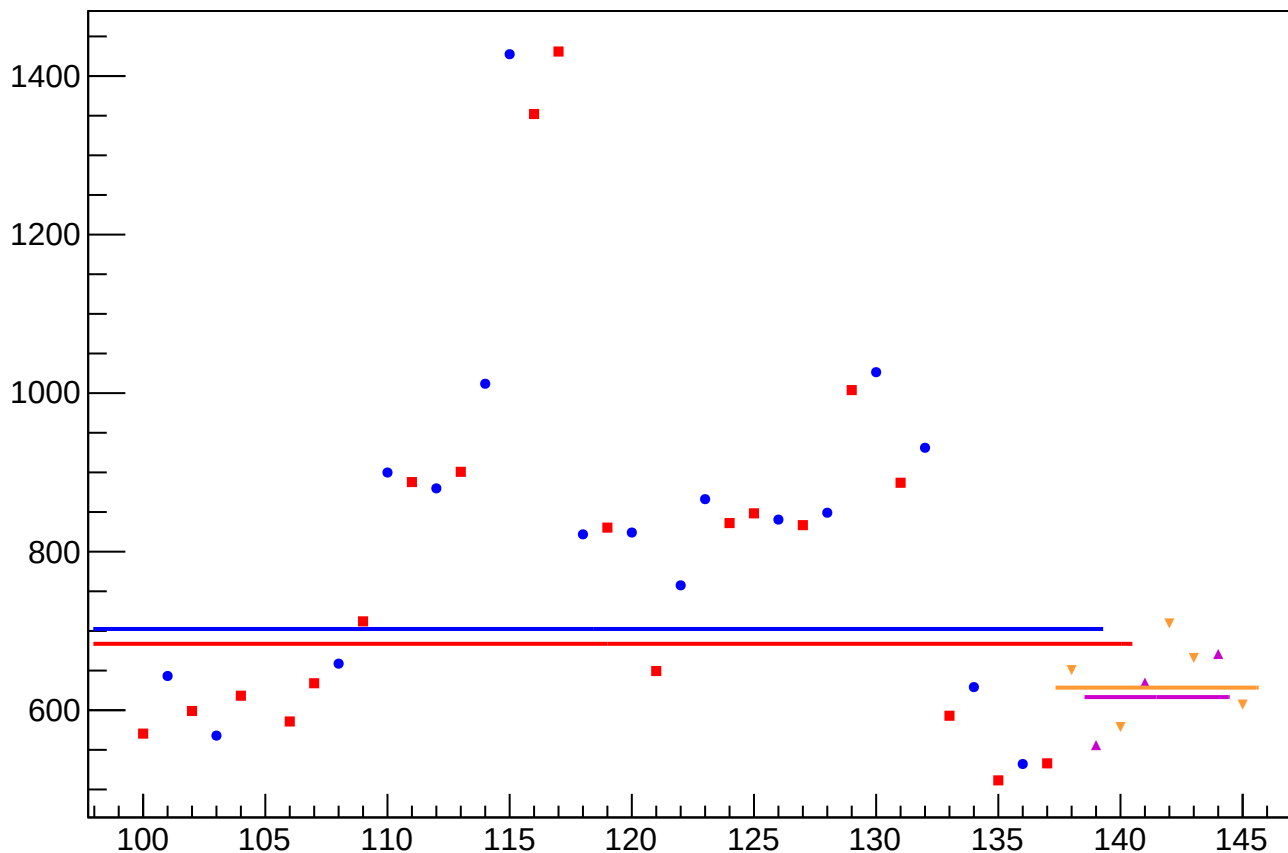
Right Out: -464.916 ± 262.768 χ^2/NDF : 22.5/19

Left In: -645.482 ± 398.283 χ^2/NDF : 2.2/2

-34.514 ± 216.662 χ^2/NDF : 19.8/21

-519.676 ± 219.334 χ^2/NDF : 24.8/22

asym_sam_15_dd_rms vs Slug



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 628.481+/-0.243 χ^2/NDF :30616.1/4

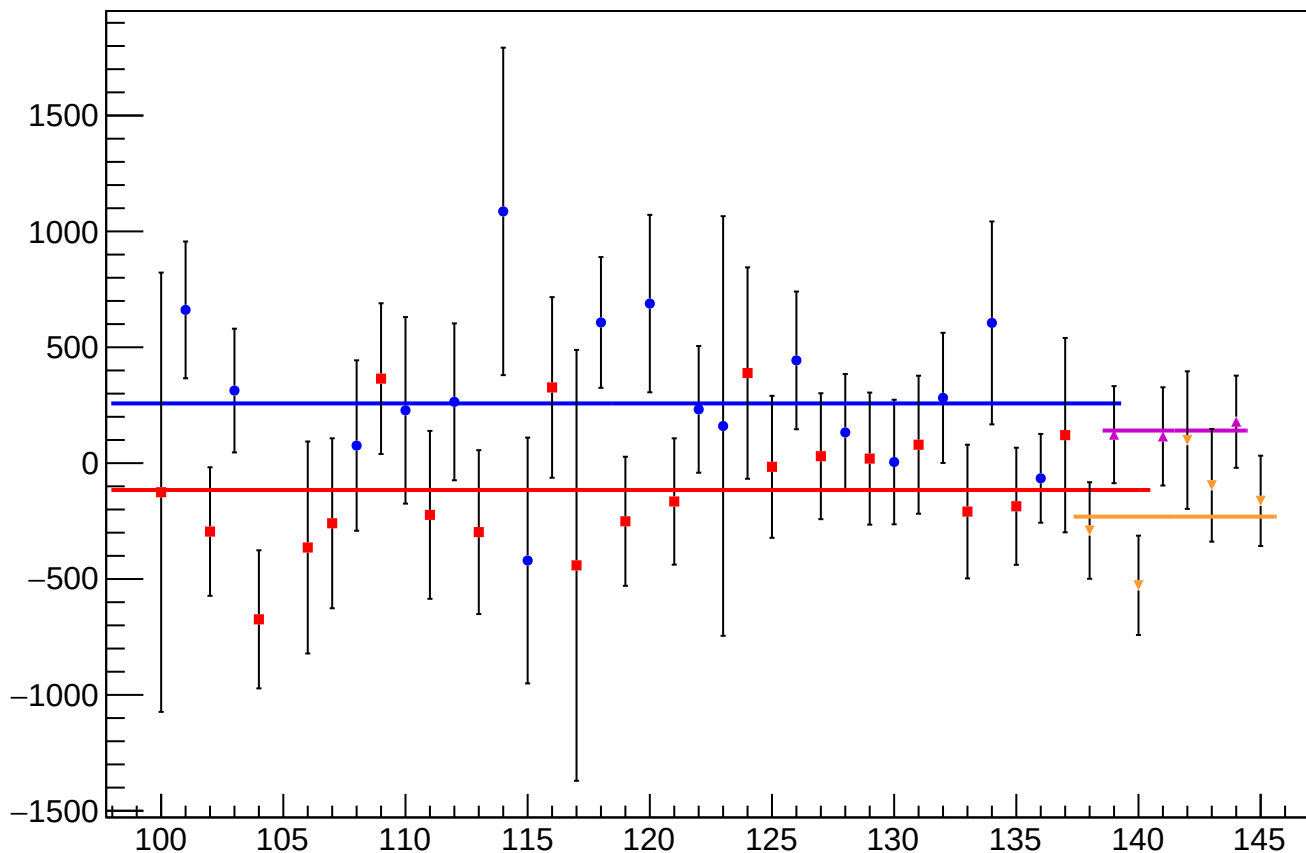
Right Out: 683.751+/-0.186 χ^2/NDF : 683105.3/19

Left In: 616.557+/-0.282 χ^2/NDF :29615.8/2

672.975+/-0.153 χ^2/NDF : 747053.3/21

663.373+/-0.155 χ^2/NDF : 752383.4/22

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 χ^2/NDF : 13.0/16

Left Out: -230.805 ± 100.297 χ^2/NDF : 3.7/4

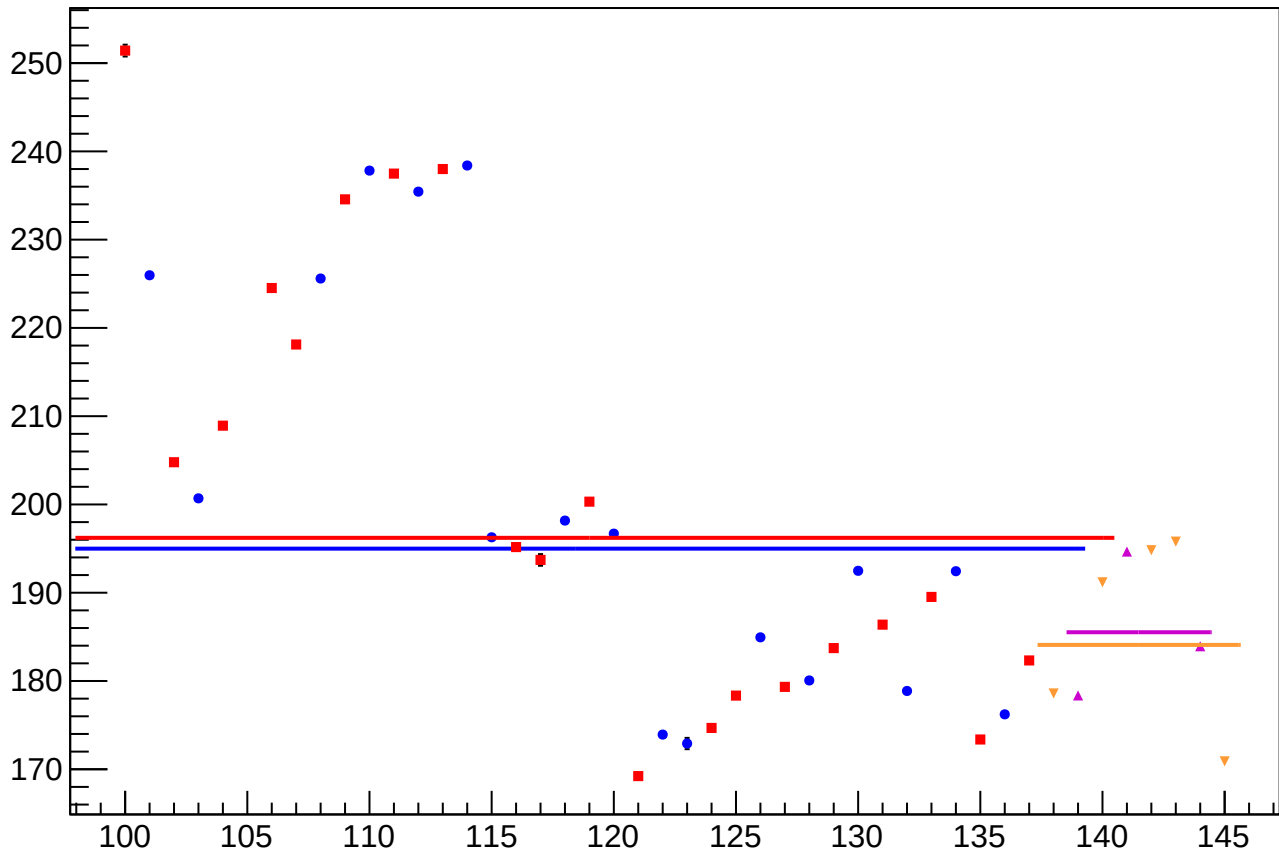
Right Out: -115.922 ± 73.976 χ^2/NDF : 11.4/19

Left In: 140.613 ± 119.216 χ^2/NDF : 0.1/2

79.736 ± 60.539 χ^2/NDF : 31.7/21

-44.606 ± 62.858 χ^2/NDF : 14.8/22

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 184.088 $\pm$ 0.071 χ^2 /NDF:19996.4/4

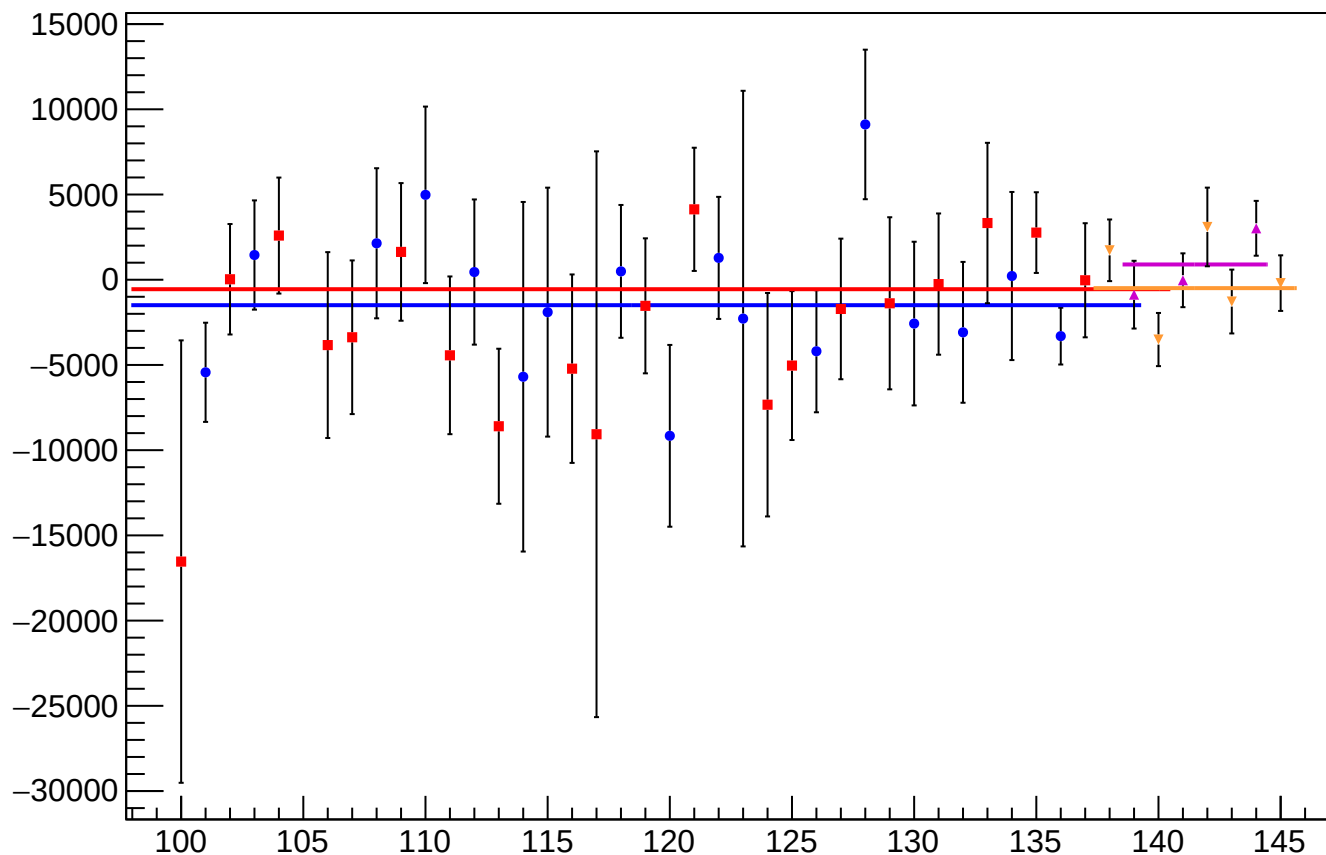
Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

Left In: 185.523 $\pm$ 0.084 χ^2 /NDF:6184.3/2

191.021 $\pm$ 0.043 χ^2 /NDF: 179300.1/21

193.246 $\pm$ 0.044 χ^2 /NDF: 191313.8/22

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -493.270 ± 799.149 χ^2/NDF : 7.9/4

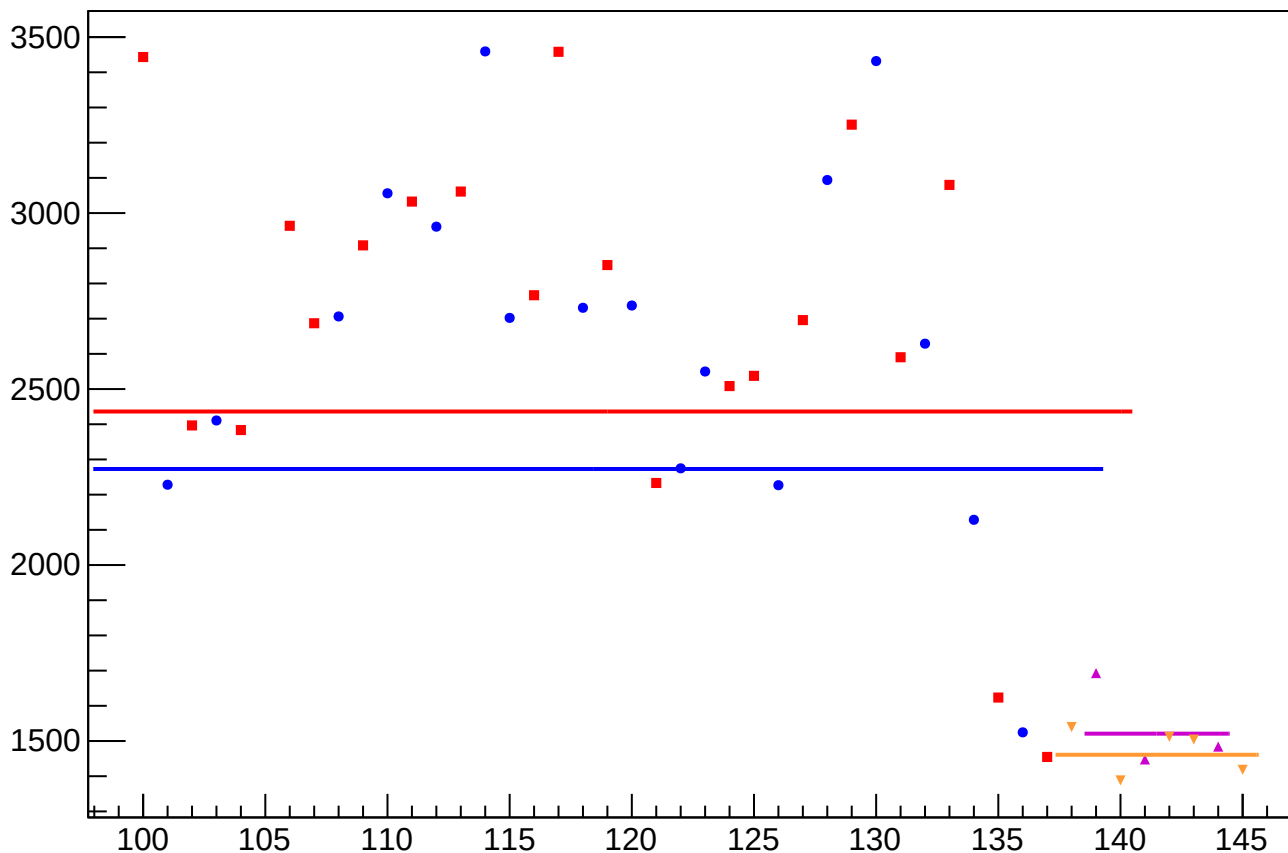
Right Out: -555.744 ± 933.239 χ^2/NDF : 14.9/19

Left In: 895.613 ± 980.270 χ^2/NDF : 2.9/2

-928.239 ± 600.711 χ^2/NDF : 24.7/21

134.284 ± 675.915 χ^2/NDF : 18.9/22

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1460.910+/-0.565 χ^2/NDF : 11579.2/4

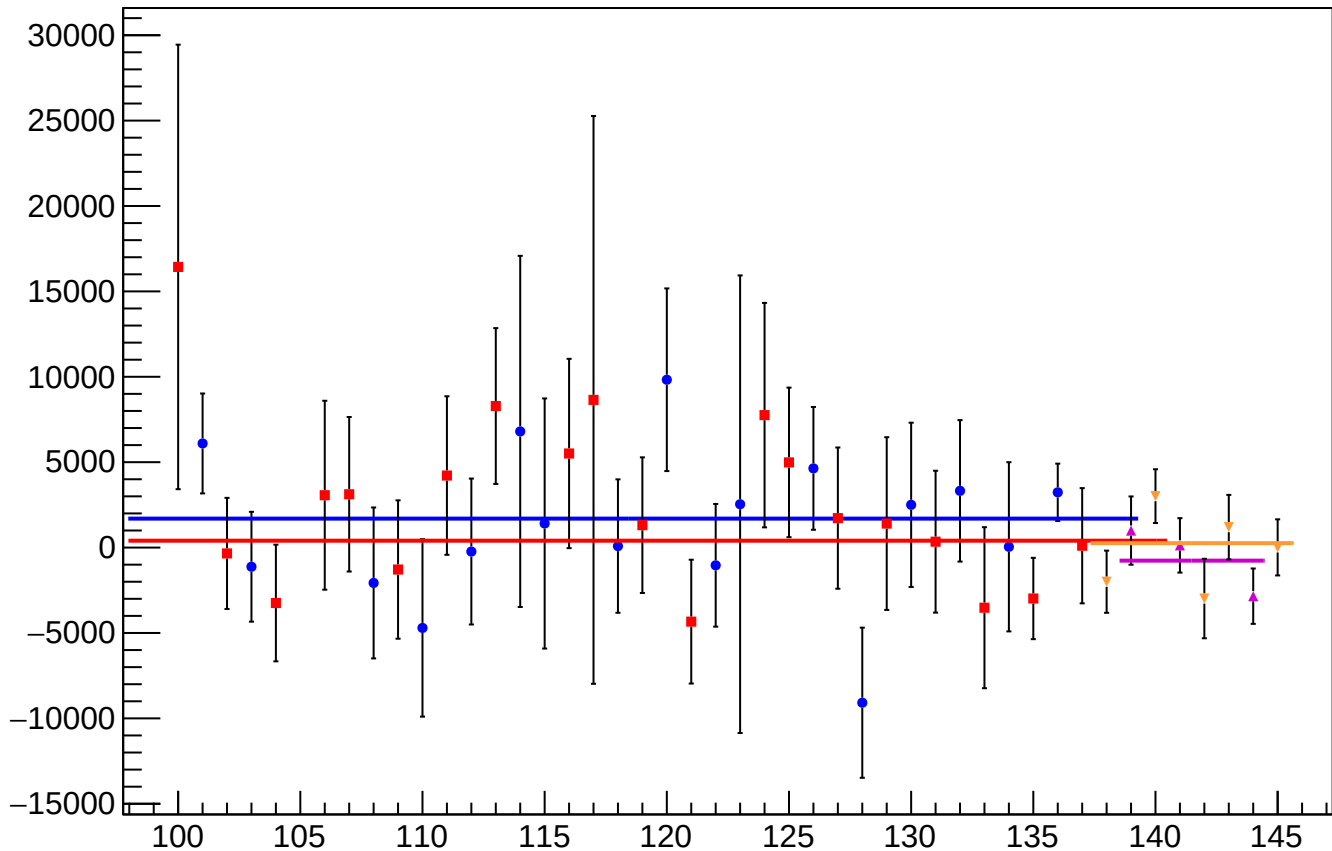
Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

Left In: 1520.881+/-0.693 χ^2/NDF : 20346.0/2

1814.089+/-0.425 χ^2/NDF : 1715301.4/21

2001.019+/-0.478 χ^2/NDF : 1623425.6/22

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 $\pm$ 914.855 χ^2/NDF : 16.6/16

Left Out: 260.039 $\pm$ 805.731 χ^2/NDF : 6.8/4

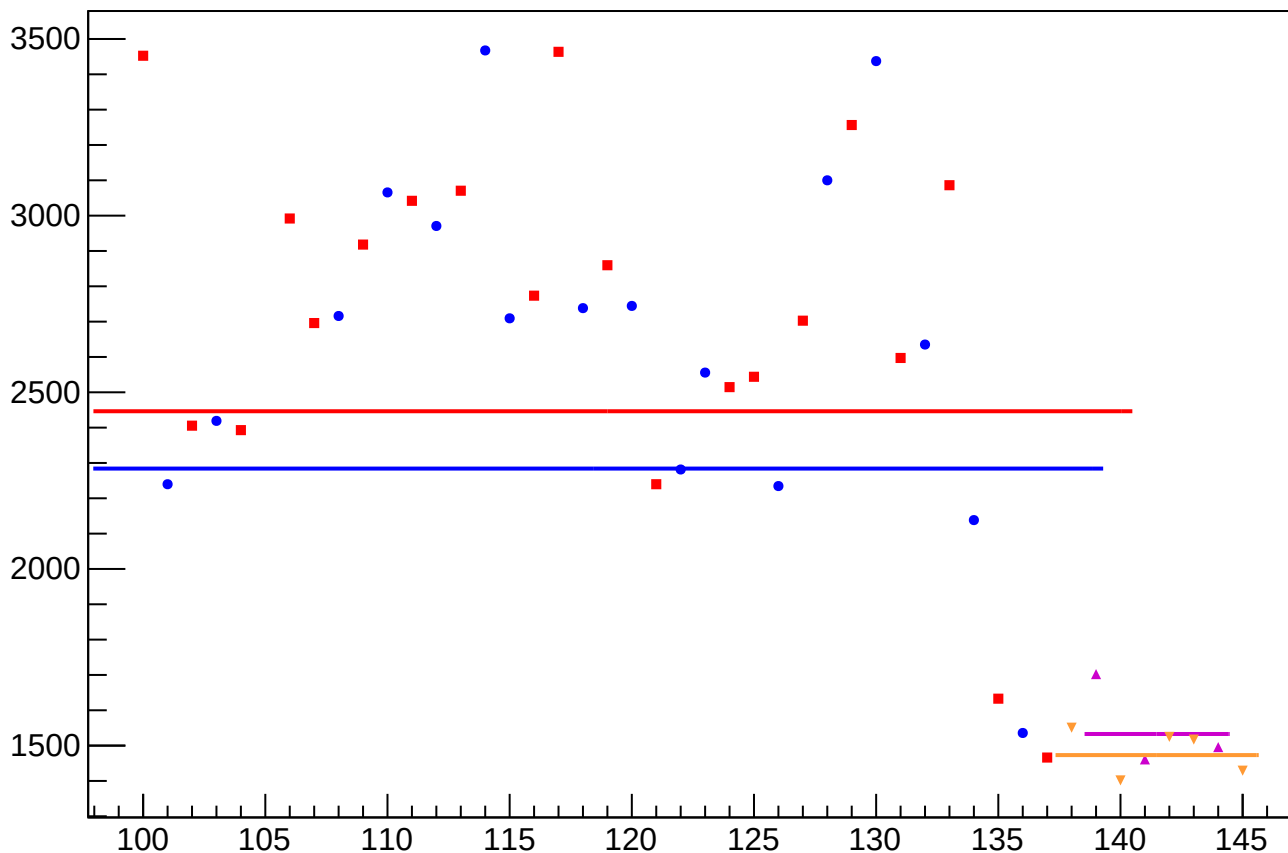
Right Out: 403.904 $\pm$ 937.036 χ^2/NDF : 15.2/19

Left In: -764.022 $\pm$ 987.871 χ^2/NDF : 2.7/2

887.293 $\pm$ 604.657 χ^2/NDF : 24.8/21

-149.237 $\pm$ 679.845 χ^2/NDF : 18.7/22

asym_sam_26_dd_rms vs Slug



Right In: 2284.104 ± 0.647 χ^2/NDF : 793993.4/16

Left Out: 1473.163 ± 0.570 χ^2/NDF : 11271.8/4

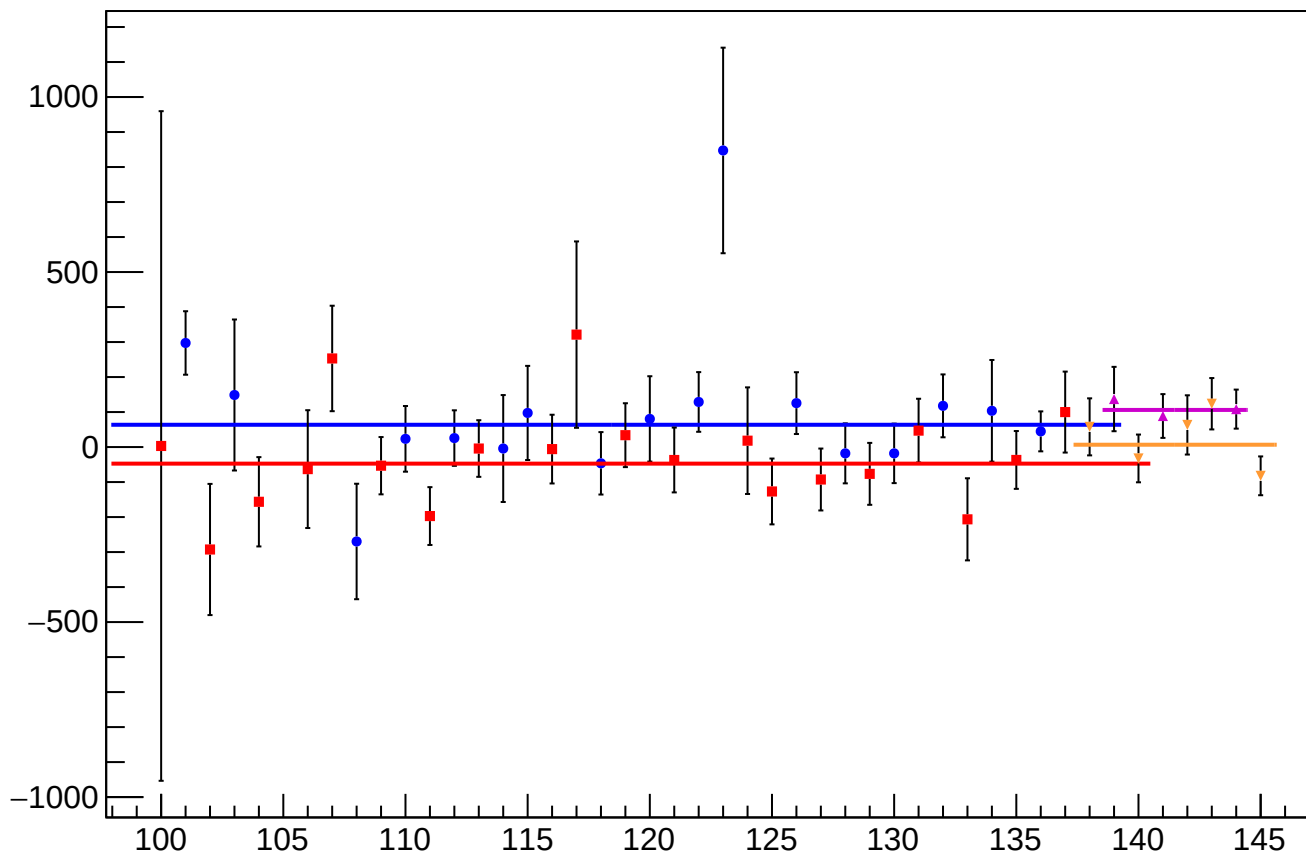
Right Out: 2446.366 ± 0.663 χ^2/NDF : 680413.3/19

Left In: 1532.888 ± 0.699 χ^2/NDF : 19509.4/2

1827.408 ± 0.428 χ^2/NDF : 1690261.0/21

2013.734 ± 0.481 χ^2/NDF : 1600112.4/22

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: 6.665 ± 31.368 χ^2/NDF : 6.3/4

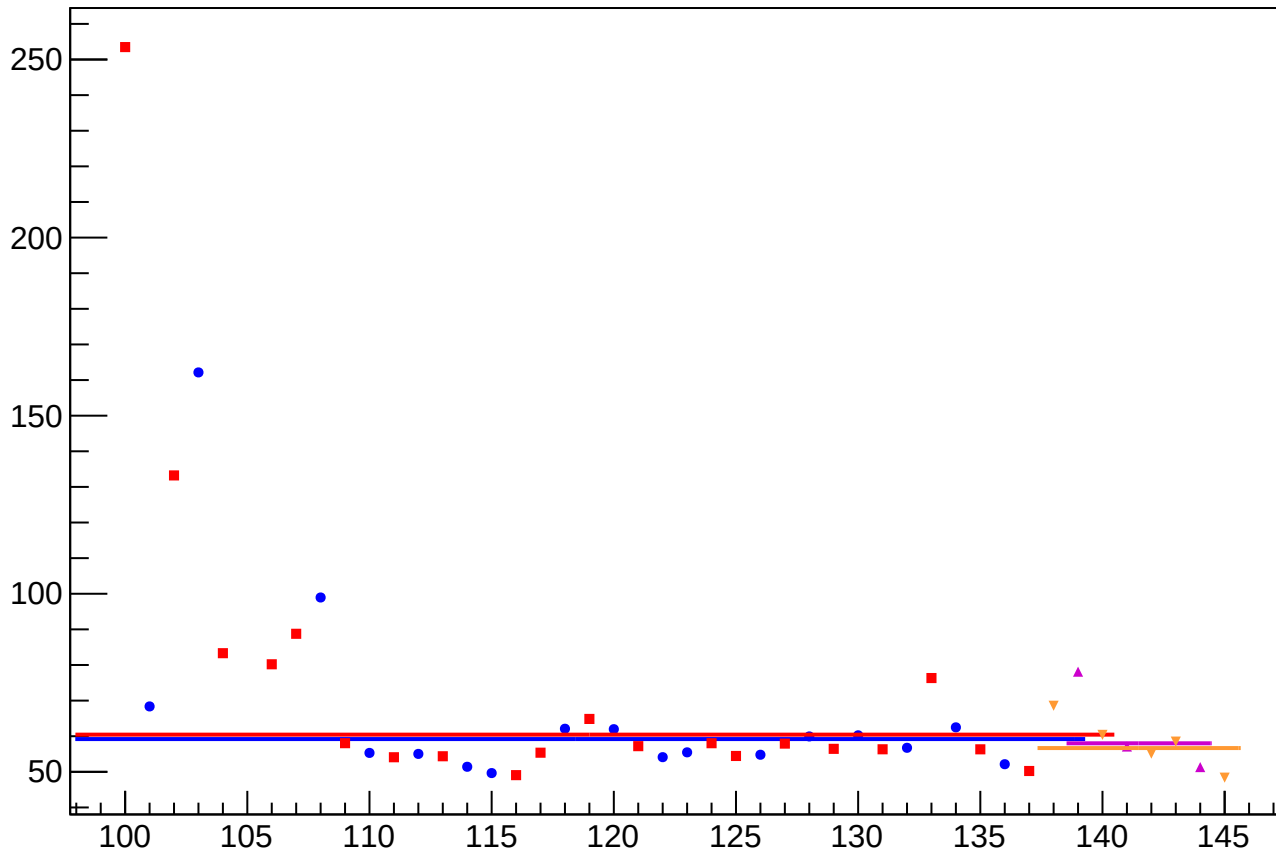
Right Out: -47.367 ± 23.568 χ^2/NDF : 18.7/19

Left In: 106.055 ± 37.915 χ^2/NDF : 0.2/2

42.904 ± 18.931 χ^2/NDF : 32.1/21

-4.607 ± 20.016 χ^2/NDF : 30.7/22

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 56.675 $\pm$ 0.022 χ^2 /NDF: 95300.4/4

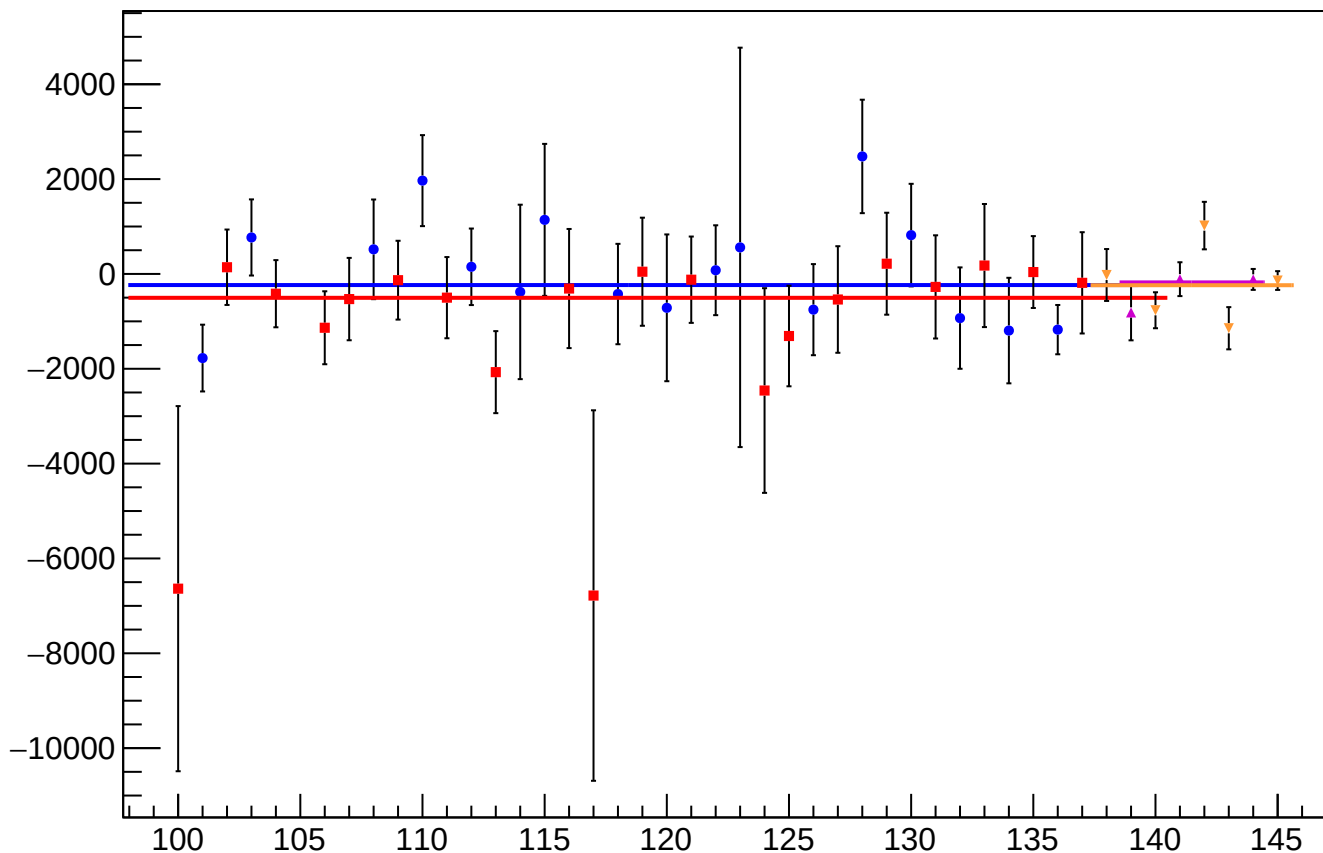
Right Out: 60.443 $\pm$ 0.017 χ^2 /NDF: 680790.3/19

Left In: 58.013 $\pm$ 0.027 χ^2 /NDF: 124801.8/2

58.281 $\pm$ 0.013 χ^2 /NDF: 769013.1/21

59.766 $\pm$ 0.014 χ^2 /NDF: 811518.2/22

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 $\chi^2/\text{NDF}: 24.2/16$

Left Out: -237.975 ± 149.323 $\chi^2/\text{NDF}: 12.8/4$

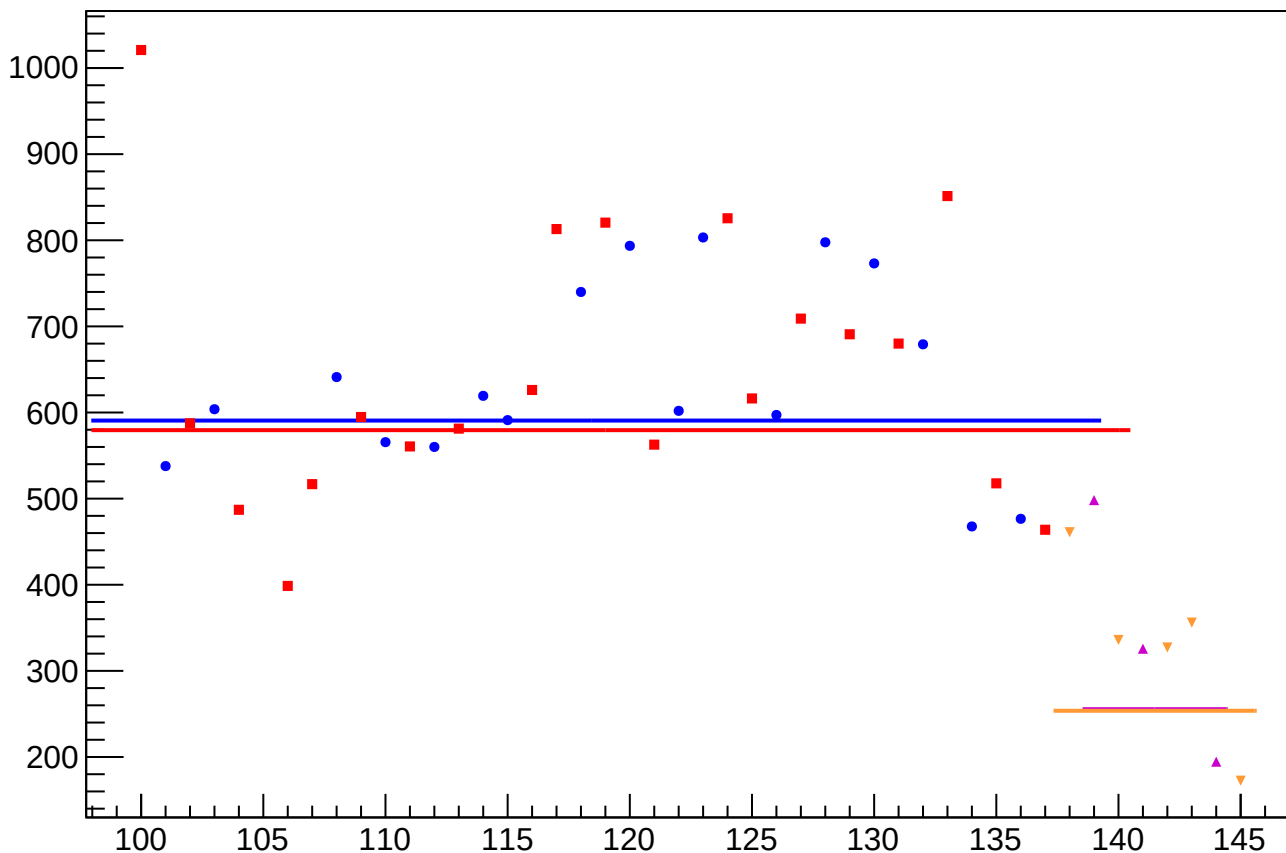
Right Out: -503.638 ± 221.955 $\chi^2/\text{NDF}: 13.2/19$

Left In: -178.586 ± 178.831 $\chi^2/\text{NDF}: 1.3/2$

-236.966 ± 125.858 $\chi^2/\text{NDF}: 37.0/21$

-306.538 ± 139.255 $\chi^2/\text{NDF}: 15.7/22$

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 $\pm$ 0.165 χ^2/NDF : 352080.1/16

Left Out: 253.686 $\pm$ 0.106 χ^2/NDF : 866185.1/4

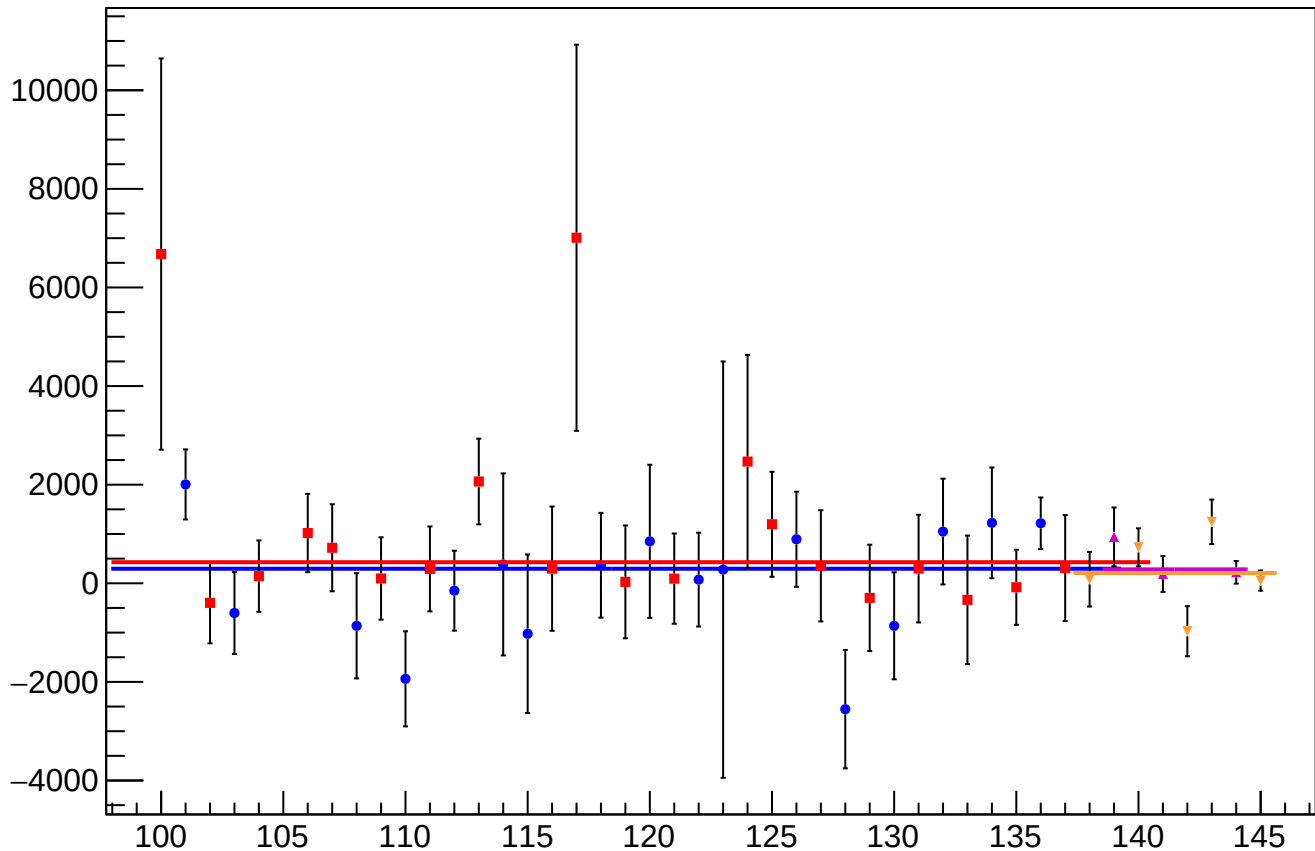
Right Out: 579.509 $\pm$ 0.157 χ^2/NDF : 501132.1/19

Left In: 255.530 $\pm$ 0.126 χ^2/NDF : 570122.2/2

351.269 $\pm$ 0.089 χ^2/NDF : 4167746.4/21

383.059 $\pm$ 0.098 χ^2/NDF : 3655125.0/22

asym_sam_37_dd_mean vs Slug



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 208.362 $\pm$ 153.547 χ^2 /NDF:13.1/4

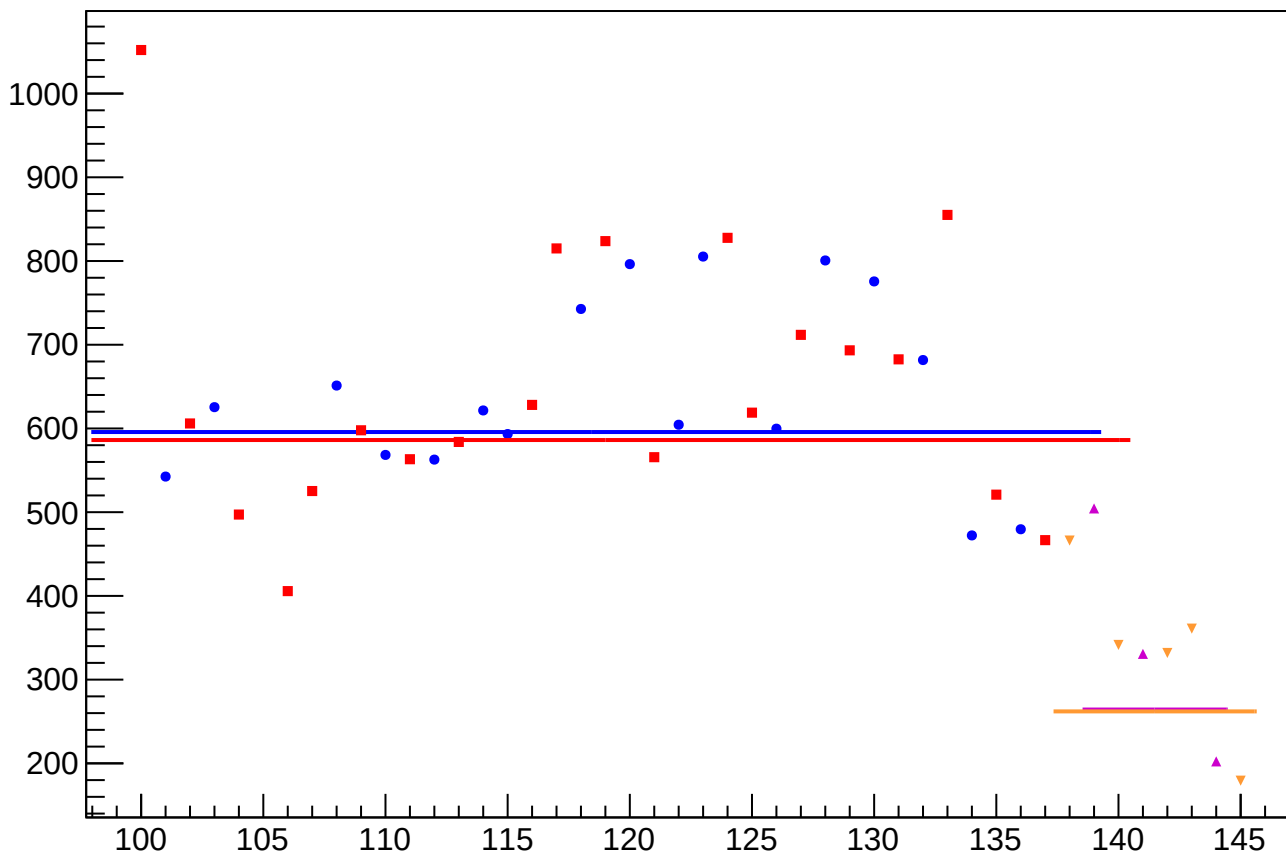
Right Out: 427.853 $\pm$ 224.485 χ^2 /NDF: 13.8/19

Left In: 282.594 $\pm$ 184.020 χ^2 /NDF:1.4/2

234.270 $\pm$ 128.681 χ^2 /NDF: 39.3/21

340.975 $\pm$ 142.315 χ^2 /NDF: 15.4/22

asym_sam_37_dd_rms vs Slug



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 262.052 $\pm$ 0.109 χ^2 /NDF:814085.2/4

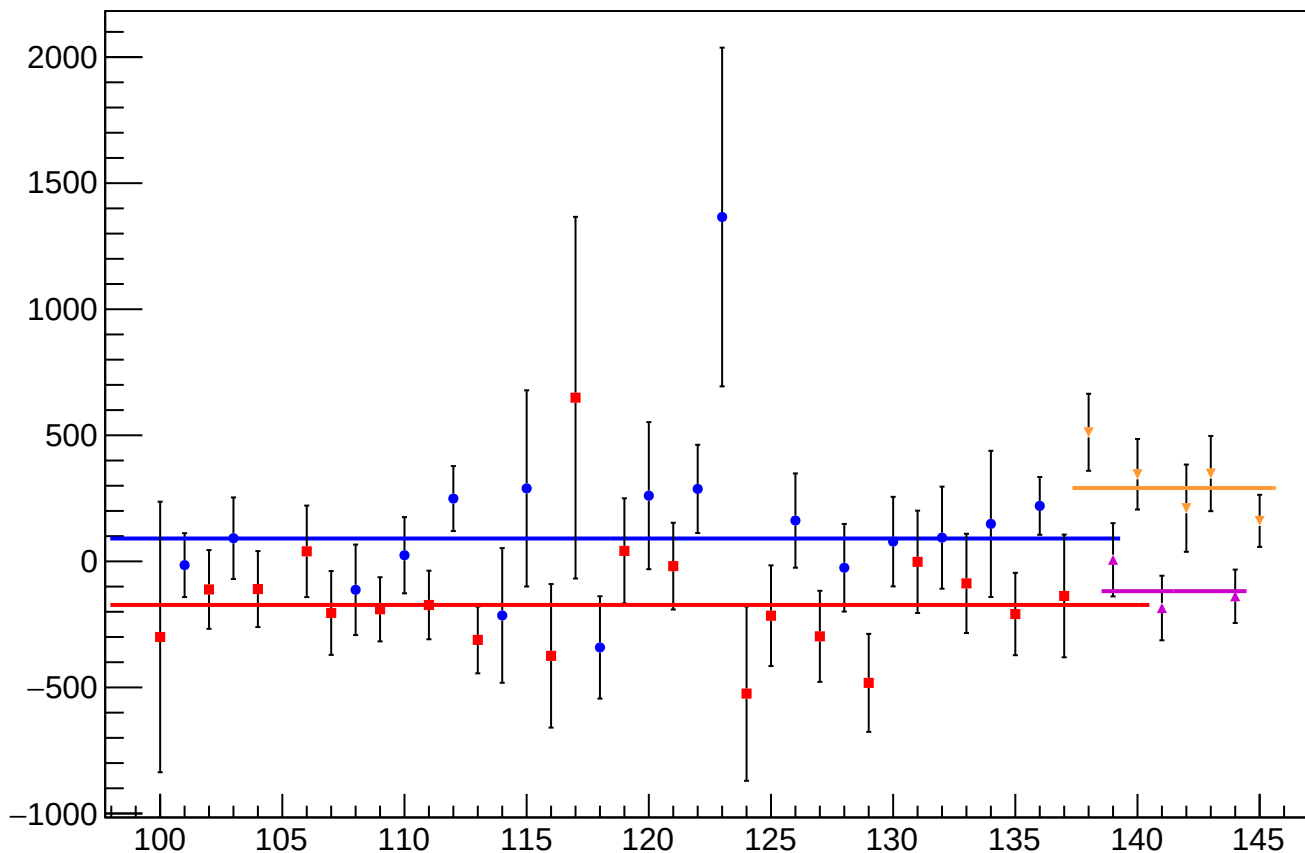
Right Out: 586.176 $\pm$ 0.159 χ^2 /NDF: 481325.4/19

Left In: 264.278 $\pm$ 0.130 χ^2 /NDF:538823.5/2

361.375 $\pm$ 0.091 χ^2 /NDF: 3975614.3/21

393.651 $\pm$ 0.101 χ^2 /NDF: 3479726.4/22

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 290.922+/-61.339 χ^2/NDF : 4.2/4

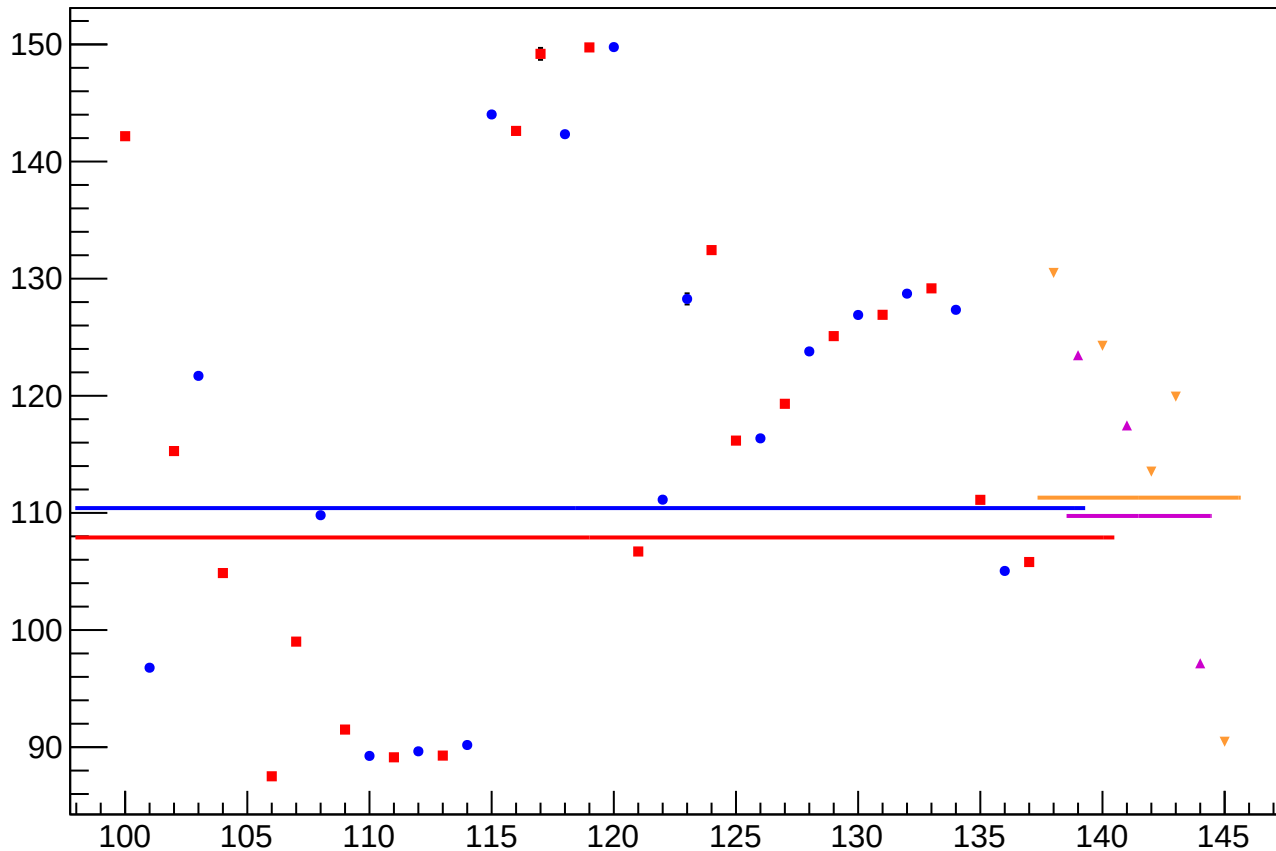
Right Out: -172.786+/-41.033 χ^2/NDF : 11.6/19

Left In: -118.139+/-71.124 χ^2/NDF : 1.0/2

157.323+/-35.381 χ^2/NDF : 28.2/21

-159.139+/-35.543 χ^2/NDF : 13.1/22

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411+/-0.031 χ^2/NDF : 296425.4/16

Left Out: 111.303+/-0.043 χ^2/NDF :136908.9/4

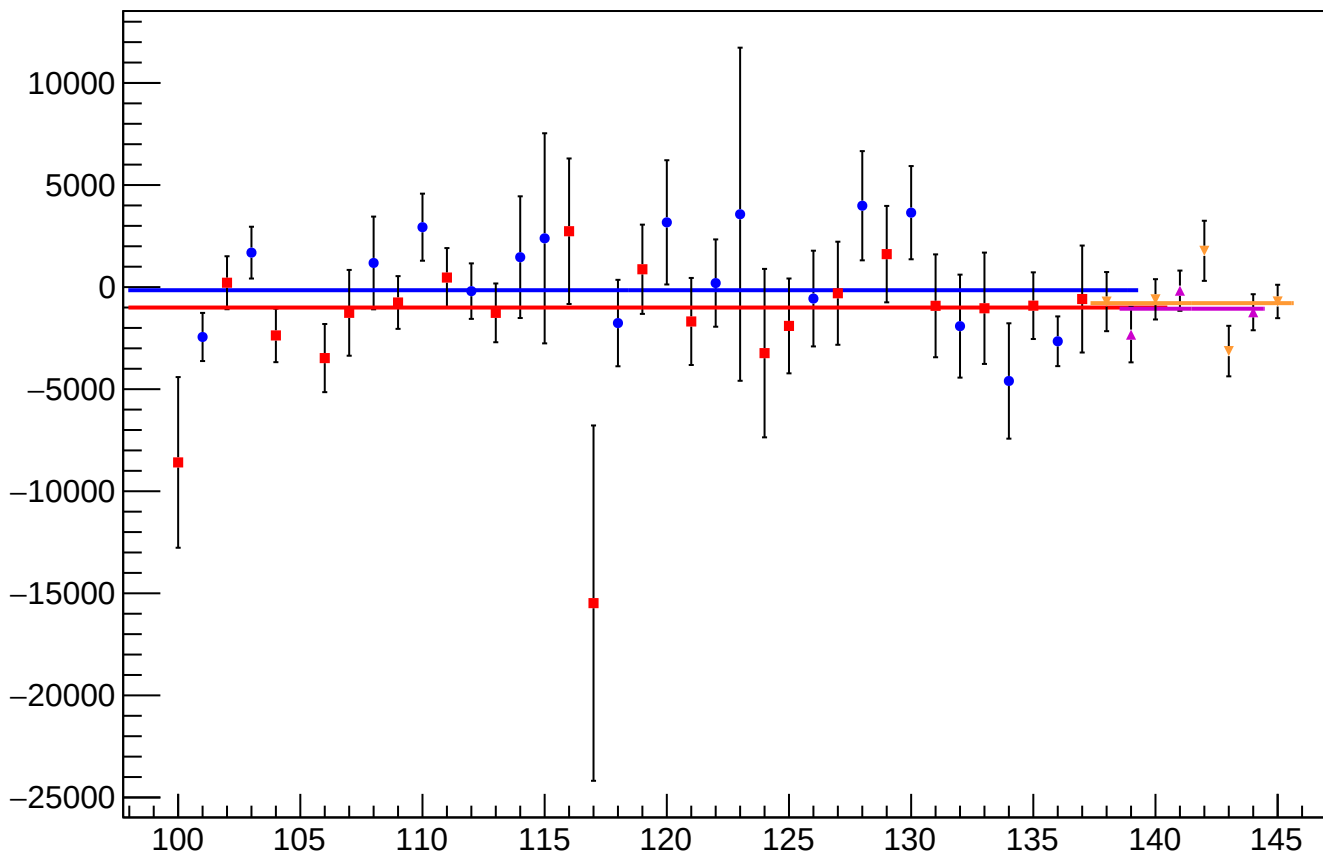
Right Out: 107.903+/-0.029 χ^2/NDF : 351091.4/19

Left In: 109.740+/-0.050 χ^2/NDF :53392.5/2

110.708+/-0.025 χ^2/NDF : 433616.4/21

108.362+/-0.025 χ^2/NDF : 405484.8/22

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403+/-464.753 χ^2/NDF : 24.7/16

Left Out: -785.758+/-493.094 χ^2/NDF : 6.7/4

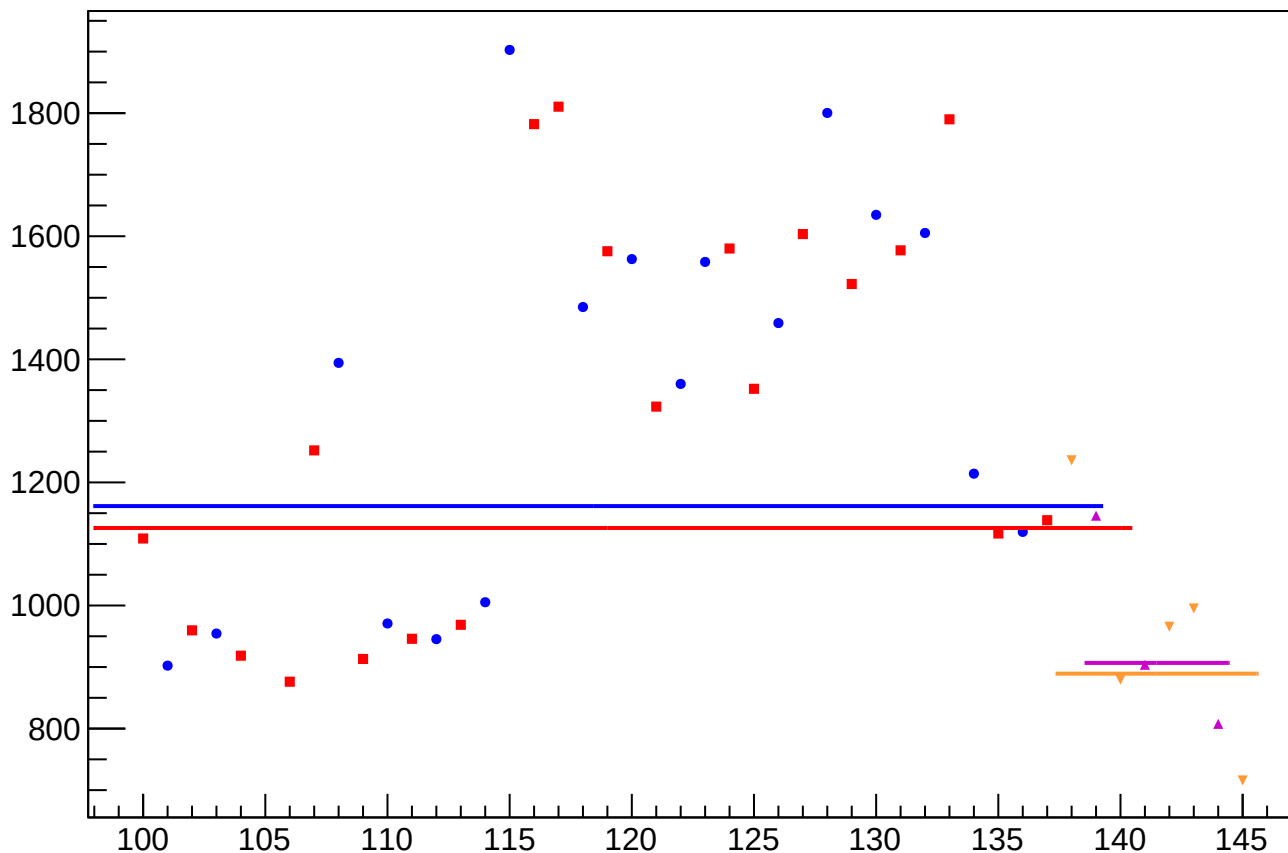
Right Out: -1000.907+/-434.569 χ^2/NDF : 15.1/19

Left In: -1058.886+/-591.543 χ^2/NDF : 1.7/2

-450.357+/-338.205 χ^2/NDF : 32.2/21

-1021.230+/-350.221 χ^2/NDF : 16.8/22

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 889.262+/-0.349 χ^2/NDF : 224820.3/4

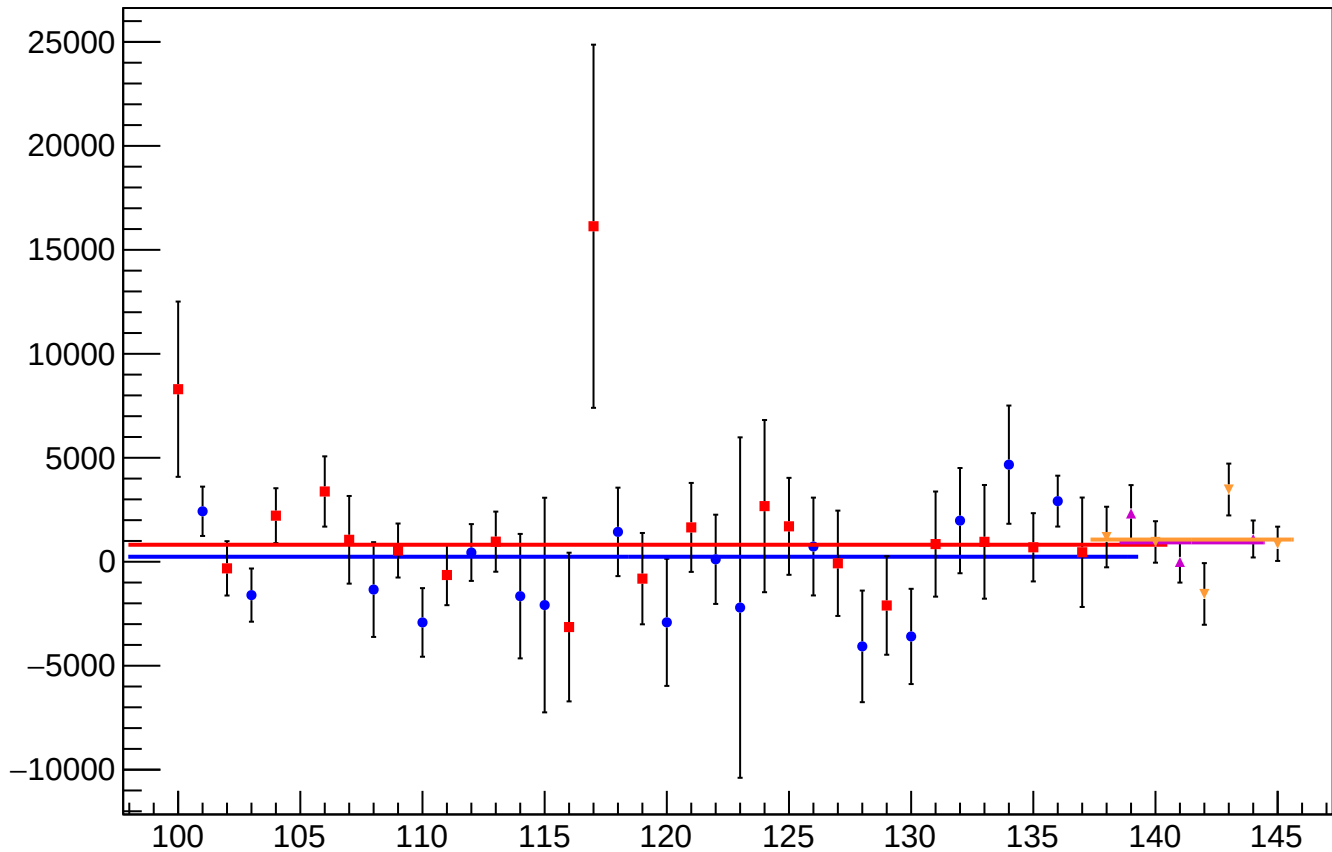
Right Out: 1125.946+/-0.307 χ^2/NDF : 780195.3/19

Left In: 906.702+/-0.418 χ^2/NDF : 87360.3/2

1033.445+/-0.239 χ^2/NDF : 1243638.1/21

1049.097+/-0.248 χ^2/NDF : 1045989.4/22

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1067.492 $\pm$ 497.061 χ^2 /NDF: 6.9/4

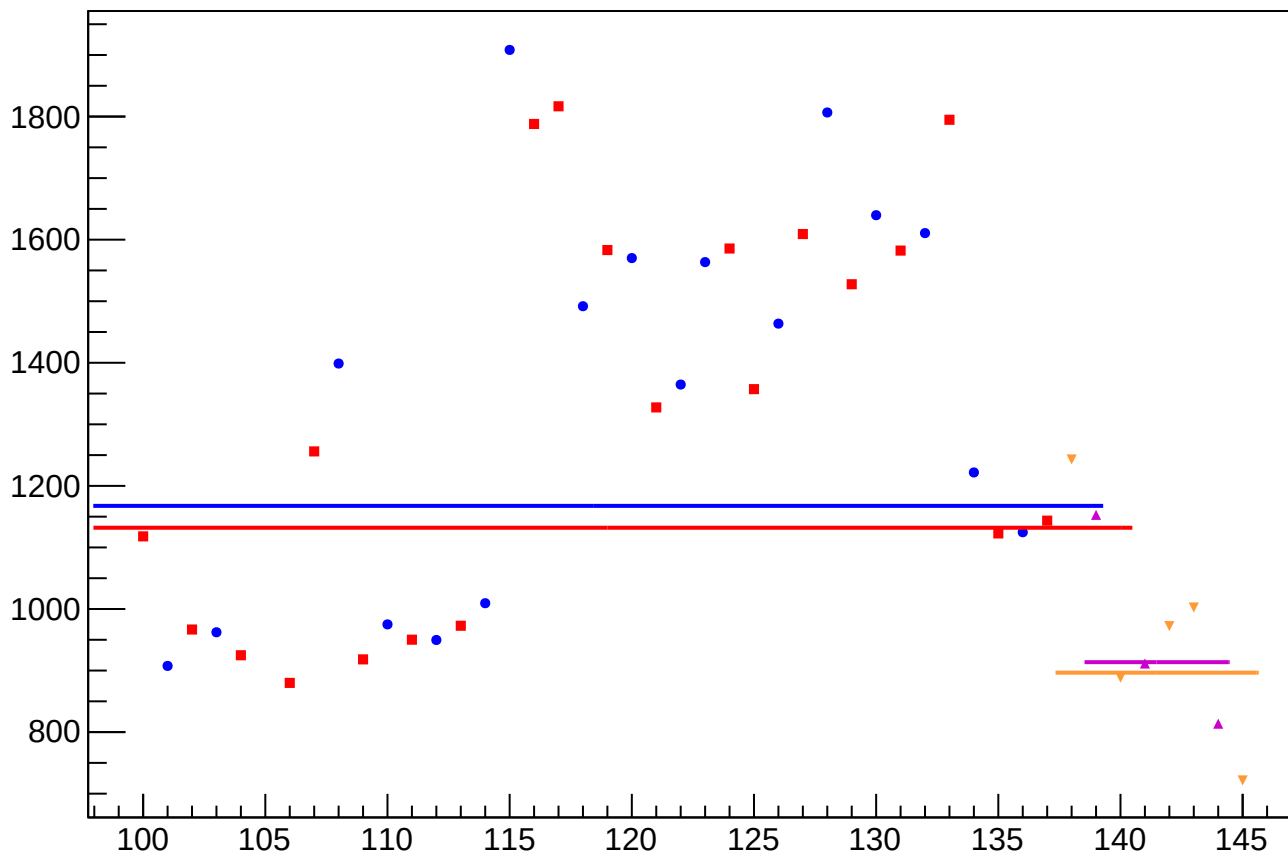
Right Out: 817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

Left In: 931.549 $\pm$ 595.966 χ^2 /NDF: 2.0/2

628.390 $\pm$ 340.364 χ^2 /NDF: 33.2/21

857.460 $\pm$ 352.379 χ^2 /NDF: 17.4/22

asym_sam_48_dd_rms vs Slug



Right In: 1167.539+/-0.330 χ^2/NDF : 690485.6/16

Left Out: 896.544+/-0.351 χ^2/NDF : 223080.5/4

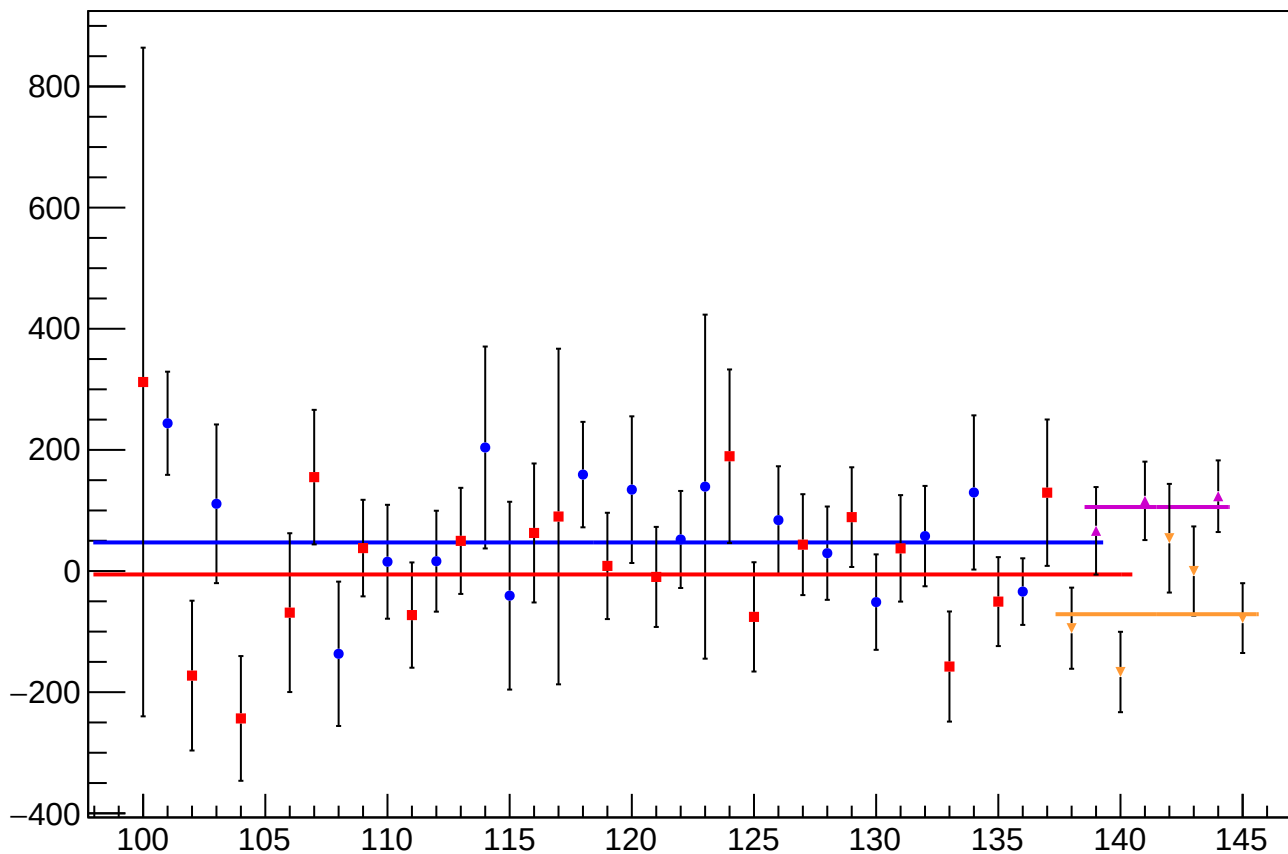
Right Out: 1132.019+/-0.309 χ^2/NDF : 773827.8/19

Left In: 913.610+/-0.421 χ^2/NDF : 86795.3/2

1040.473+/-0.241 χ^2/NDF : 1229297.3/21

1055.662+/-0.249 χ^2/NDF : 1035327.7/22

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -71.274 $\pm$ 30.717 χ^2 /NDF: 5.1/4

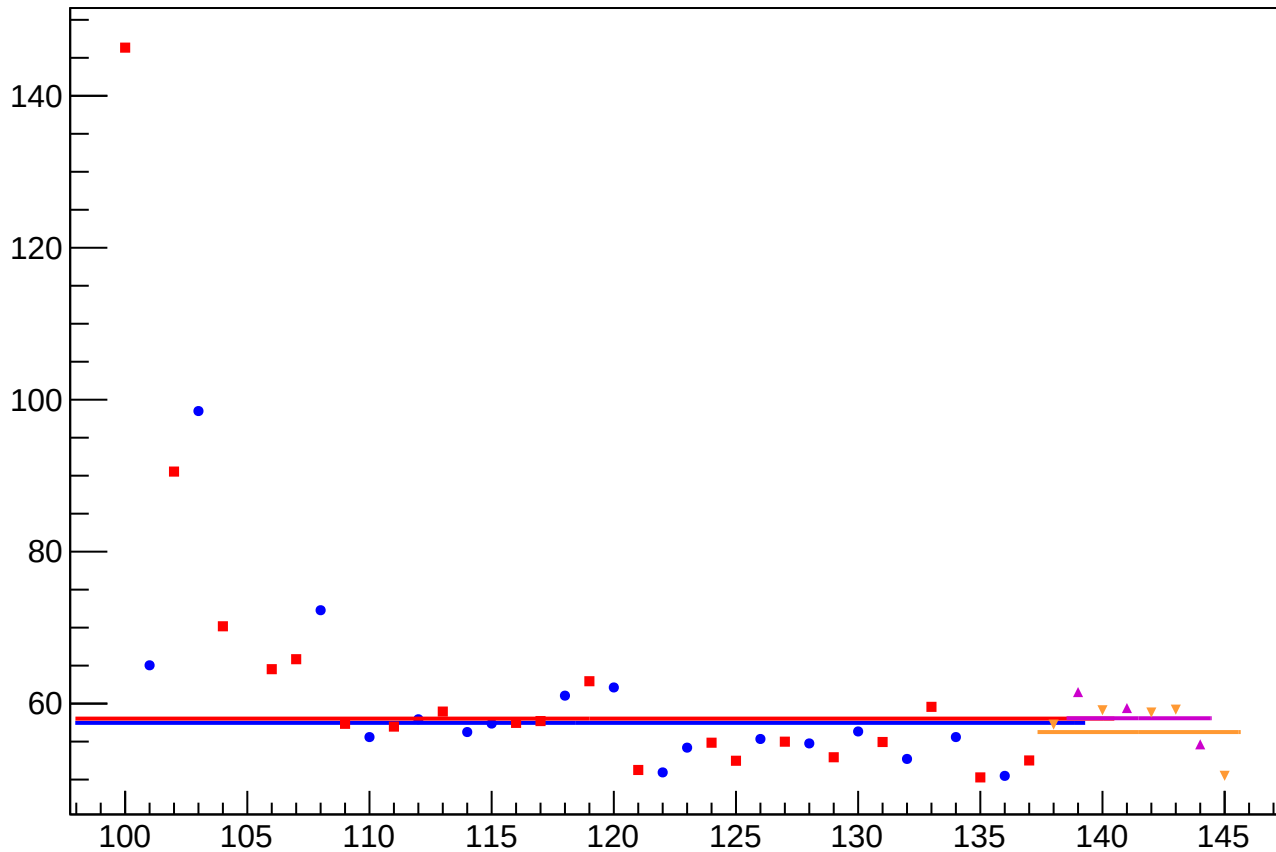
Right Out: -5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

Left In: 105.699 $\pm$ 37.373 χ^2 /NDF: 0.4/2

5.688 $\pm$ 18.185 χ^2 /NDF: 30.9/21

23.127 $\pm$ 18.996 χ^2 /NDF: 27.4/22

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 56.254+/-0.022 χ^2/NDF : 28986.0/4

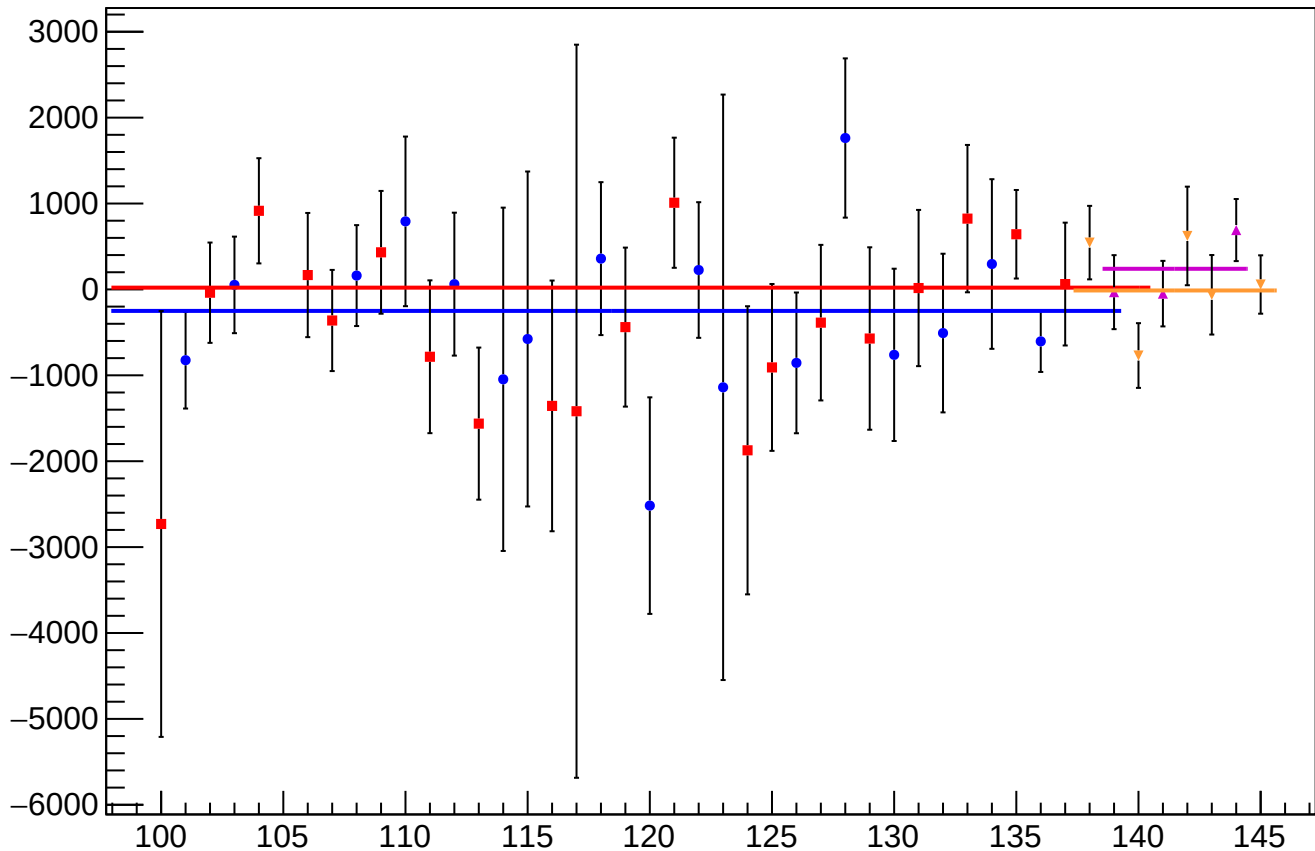
Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

Left In: 58.072+/-0.026 χ^2/NDF : 12147.8/2

57.041+/-0.013 χ^2/NDF : 338164.2/21

58.037+/-0.013 χ^2/NDF : 312941.1/22

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 $\pm$ 184.092 χ^2 /NDF: 14.3/16

Left Out: -12.169 $\pm$ 186.110 χ^2 /NDF: 7.0/4

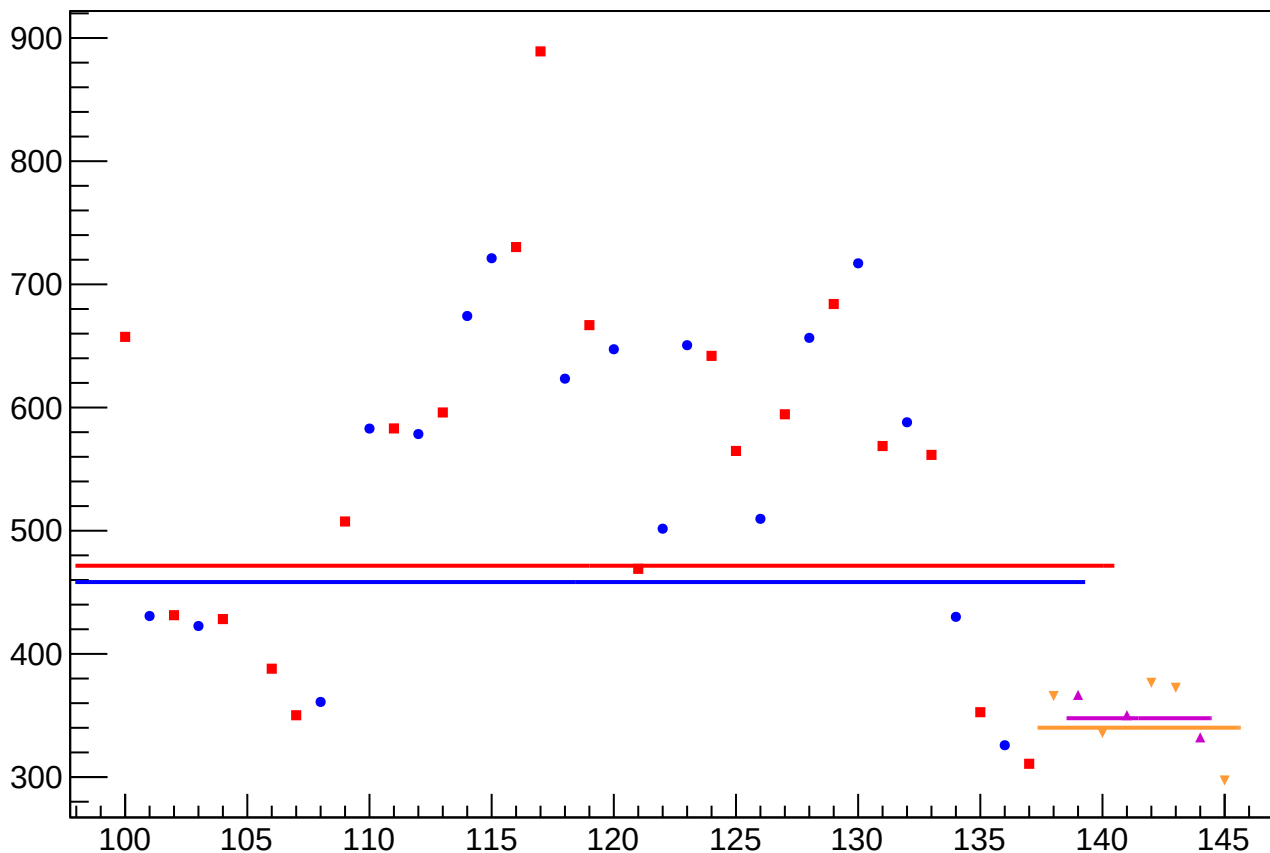
Right Out: 20.701 $\pm$ 181.669 χ^2 /NDF: 16.2/19

Left In: 240.202 $\pm$ 224.070 χ^2 /NDF: 2.5/2

-132.452 $\pm$ 130.880 χ^2 /NDF: 22.1/21

107.761 $\pm$ 141.115 χ^2 /NDF: 19.3/22

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324 $\pm$ 0.130 χ^2/NDF : 877201.7/16

Left Out: 340.095 $\pm$ 0.132 χ^2/NDF : 57158.7/4

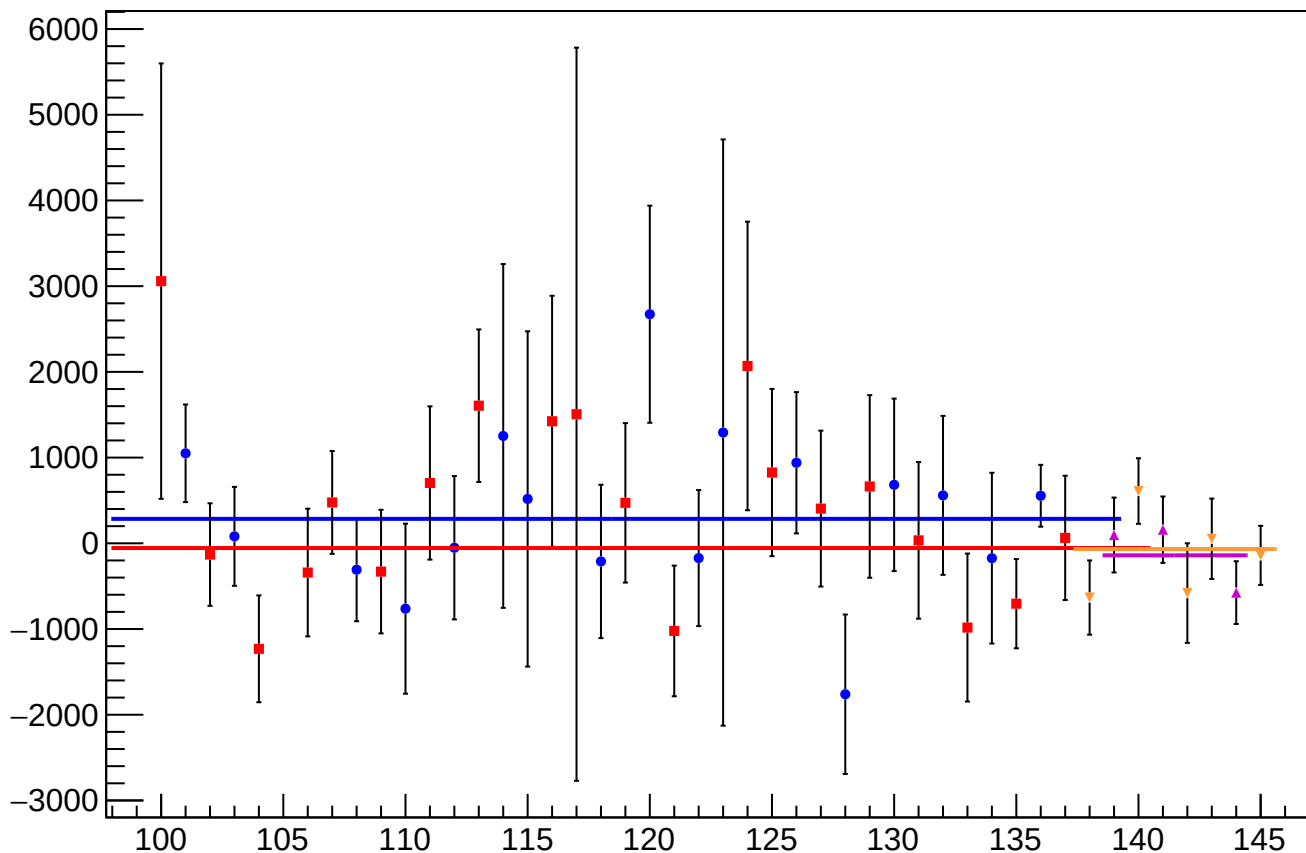
Right Out: 471.585 $\pm$ 0.128 χ^2/NDF : 797816.0/19

Left In: 347.783 $\pm$ 0.158 χ^2/NDF : 7647.9/2

399.854 $\pm$ 0.093 χ^2/NDF : 1342322.8/21

422.482 $\pm$ 0.100 χ^2/NDF : 1173851.3/22

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 $\chi^2/\text{NDF}: 15.2/16$

Left Out: -66.706 ± 188.681 $\chi^2/\text{NDF}: 5.7/4$

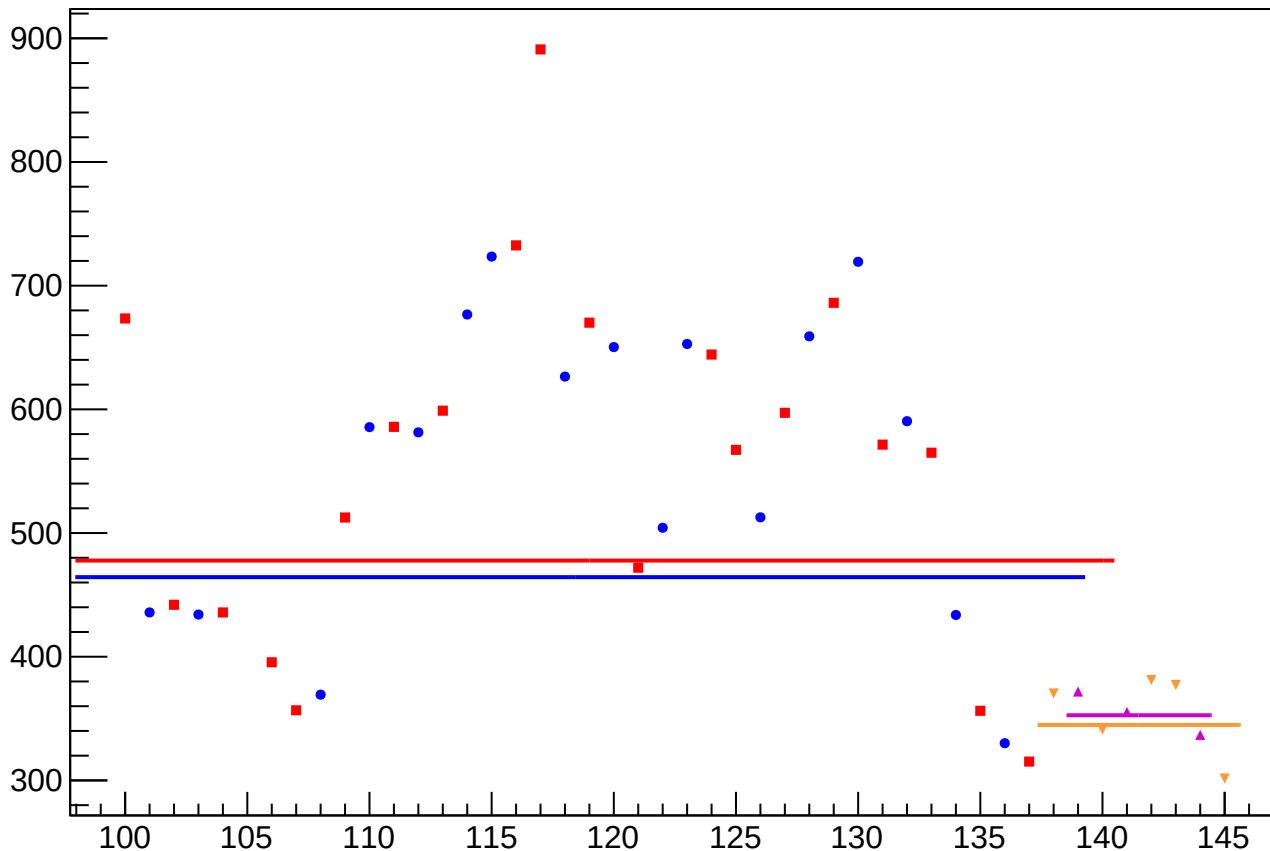
Right Out: -55.109 ± 183.903 $\chi^2/\text{NDF}: 19.3/19$

Left In: -140.345 ± 227.206 $\chi^2/\text{NDF}: 2.3/2$

111.593 ± 132.554 $\chi^2/\text{NDF}: 22.7/21$

-88.848 ± 142.946 $\chi^2/\text{NDF}: 21.7/22$

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341+/-0.132 χ^2/NDF : 845900.9/16

Left Out: 344.837+/-0.133 χ^2/NDF : 55991.0/4

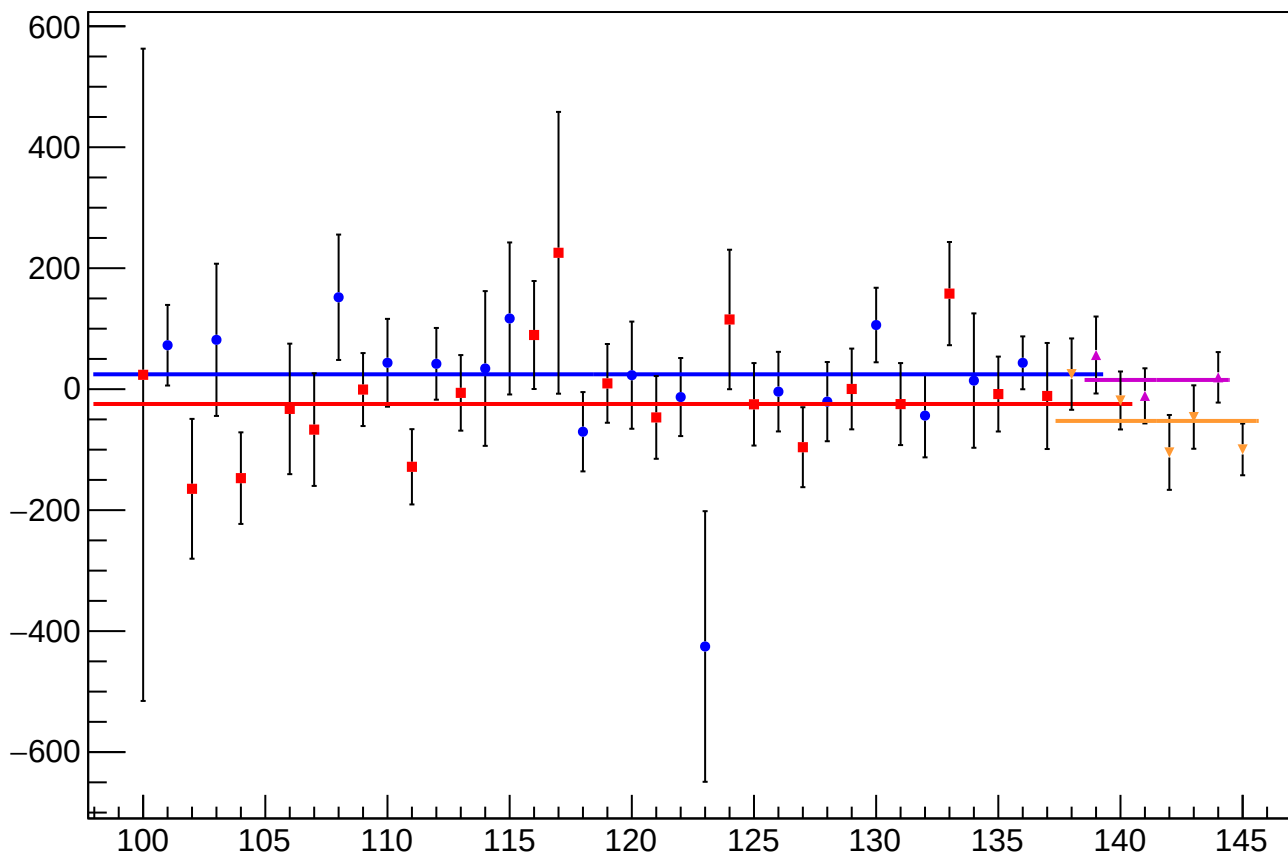
405.360+/-0.094 χ^2/NDF : 1308219.5/21

Right Out: 477.754+/-0.130 χ^2/NDF : 768041.0/19

428.246+/-0.101 χ^2/NDF : 1141932.4/22

Left In: 352.678+/-0.161 χ^2/NDF : 7704.3/2

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -52.504 ± 22.977 $\chi^2/\text{NDF}: 4.2/4$

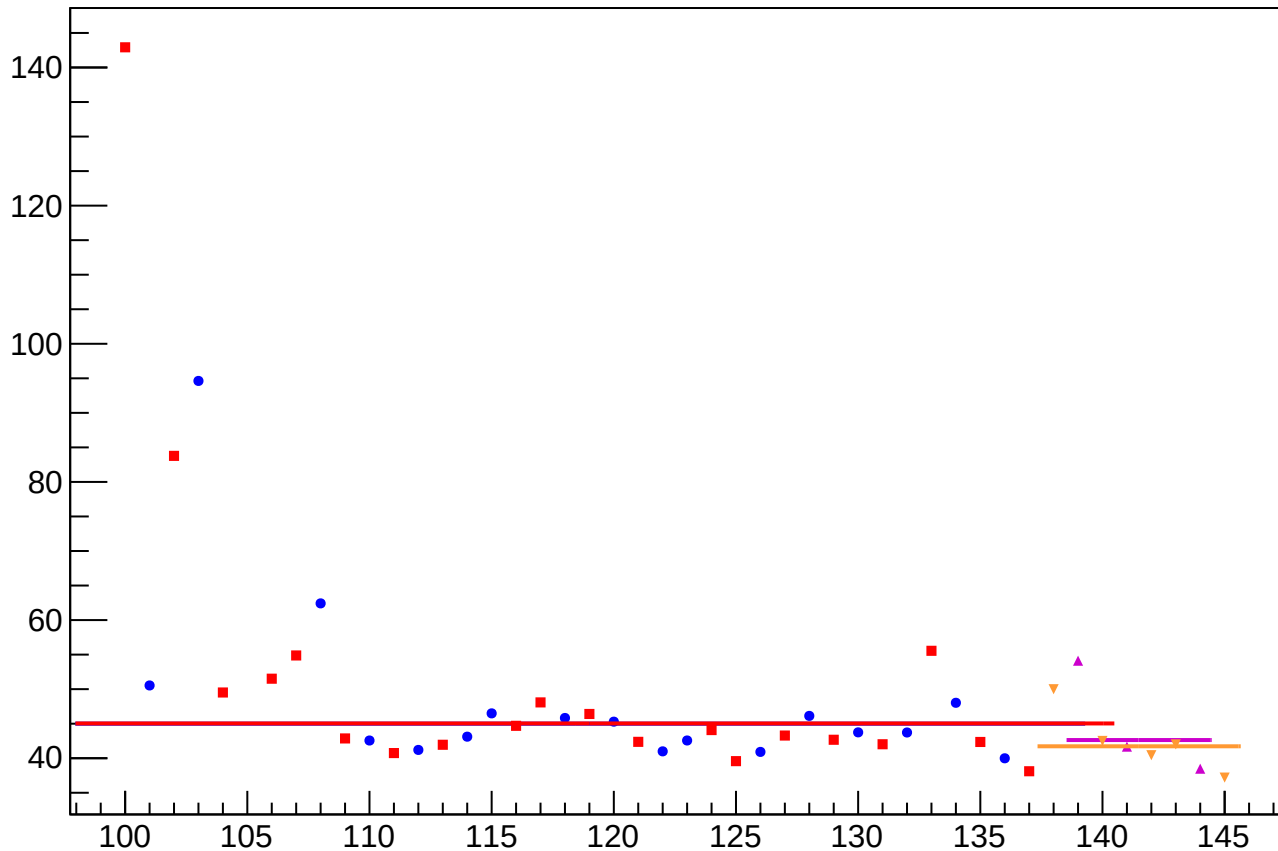
Right Out: -24.491 ± 17.338 $\chi^2/\text{NDF}: 18.0/19$

Left In: 15.252 ± 27.710 $\chi^2/\text{NDF}: 0.8/2$

-4.408 ± 14.091 $\chi^2/\text{NDF}: 24.2/21$

-13.309 ± 14.698 $\chi^2/\text{NDF}: 20.2/22$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 41.727 $\pm$ 0.016 χ^2 /NDF:63111.0/4

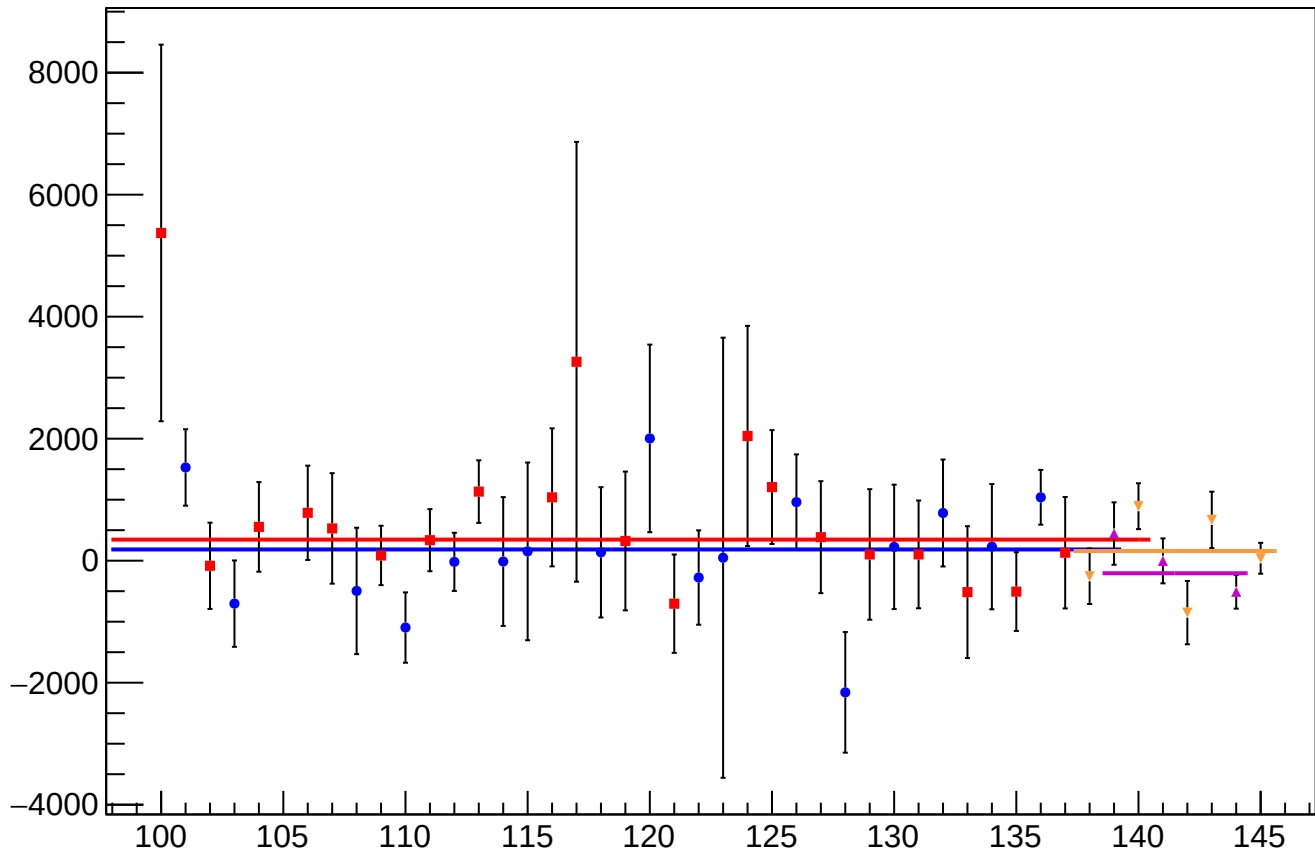
Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

Left In: 42.632 $\pm$ 0.020 χ^2 /NDF:85803.0/2

43.770 $\pm$ 0.010 χ^2 /NDF: 526798.7/21

44.358 $\pm$ 0.010 χ^2 /NDF: 512458.8/22

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 158.507 ± 166.941 χ^2/NDF : 9.9/4

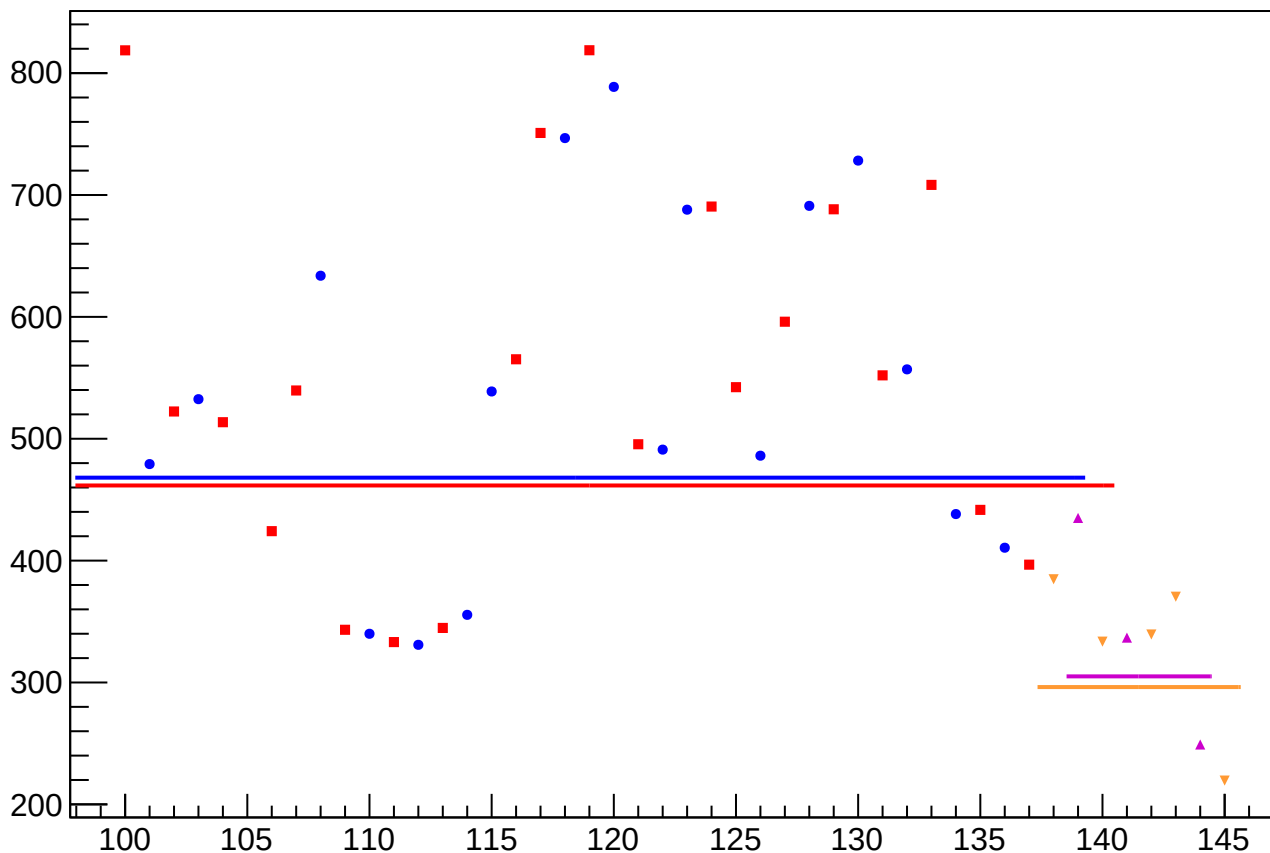
Right Out: 345.548 ± 179.160 χ^2/NDF : 13.1/19

Left In: -205.699 ± 202.939 χ^2/NDF : 3.1/2

169.790 ± 124.992 χ^2/NDF : 34.1/21

104.098 ± 134.309 χ^2/NDF : 20.4/22

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 296.241+/-0.118 χ^2/NDF : 343921.5/4

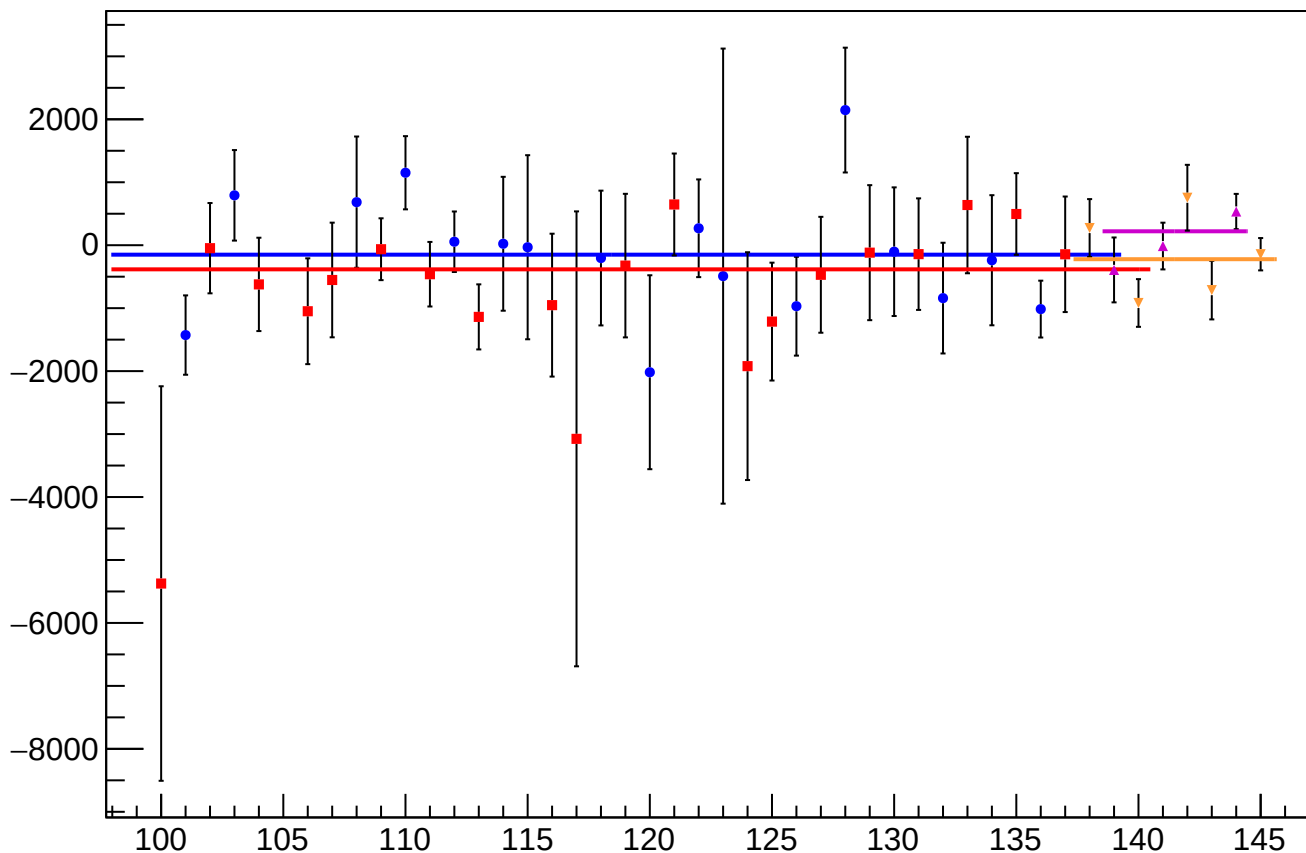
Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

Left In: 305.015+/-0.143 χ^2/NDF : 225938.9/2

371.746+/-0.088 χ^2/NDF : 2155308.1/21

393.046+/-0.095 χ^2/NDF : 1863515.5/22

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -222.251+/-168.711 χ^2/NDF : 9.2/4

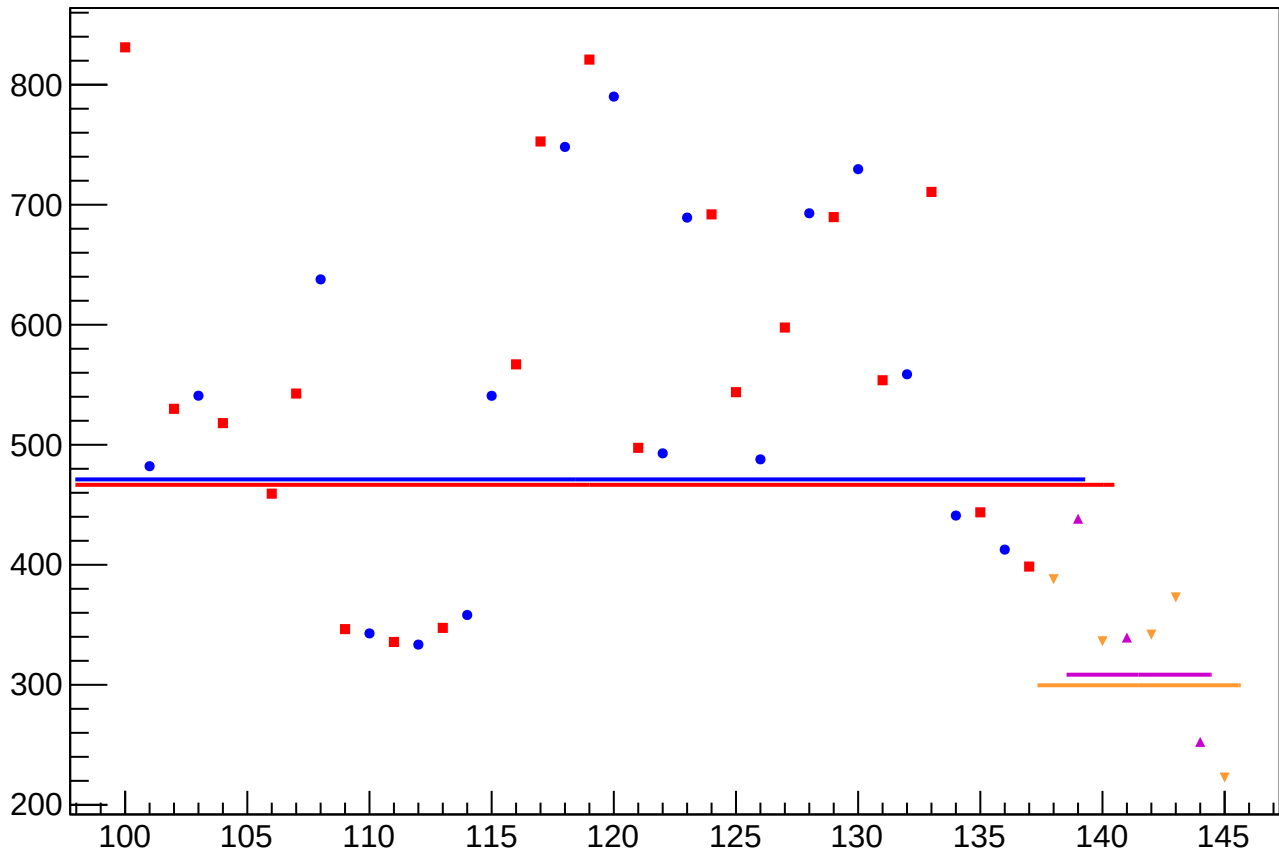
Right Out: -383.331+/-181.030 χ^2/NDF : 13.0/19

Left In: 220.964+/-205.043 χ^2/NDF : 3.1/2

-190.482+/-126.075 χ^2/NDF : 33.5/21

-118.625+/-135.707 χ^2/NDF : 20.9/22

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 299.627+/-0.119 χ^2/NDF :334357.5/4

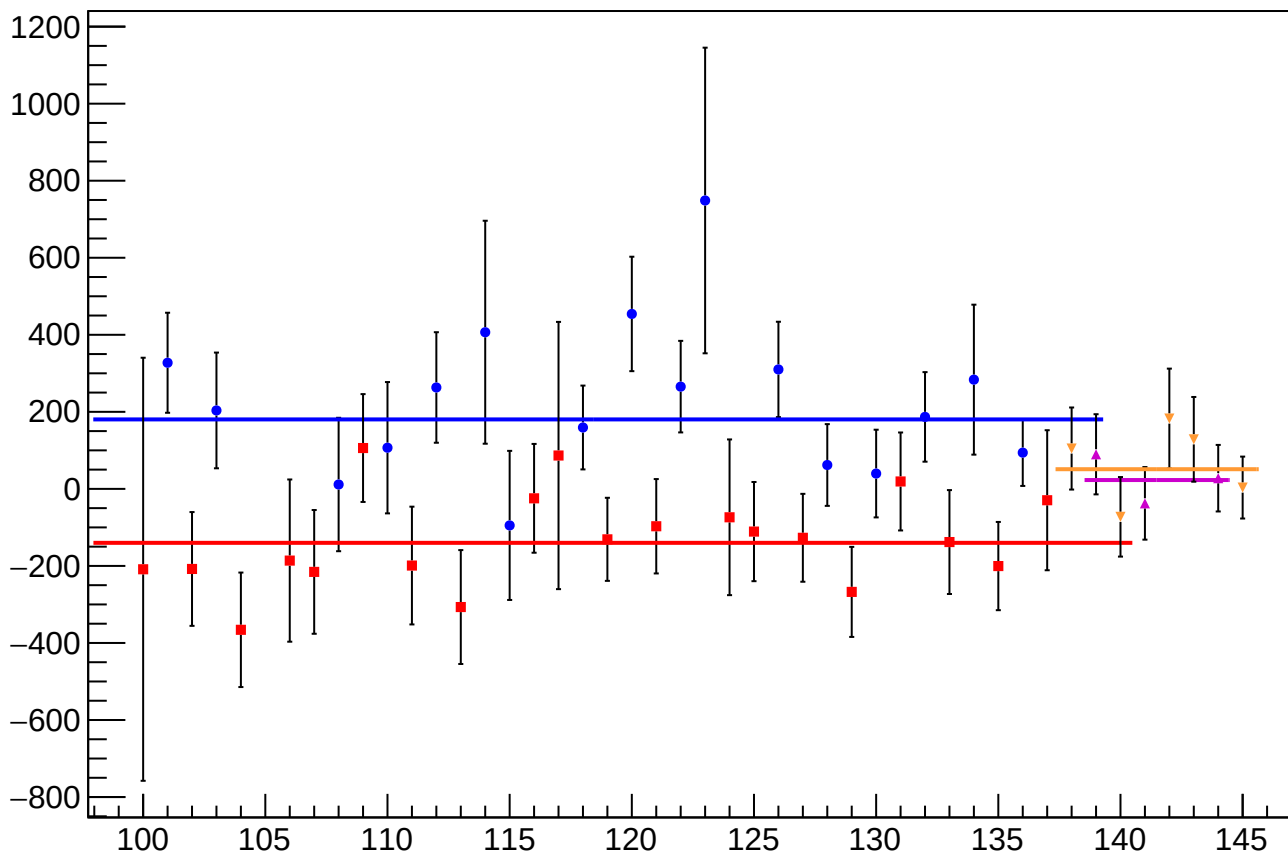
Right Out: 466.655+/-0.128 χ^2/NDF : 953088.6/19

Left In: 308.431+/-0.145 χ^2/NDF :221070.0/2

375.368+/-0.089 χ^2/NDF : 2119071.3/21

397.347+/-0.096 χ^2/NDF : 1843408.7/22

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: 51.060 $\pm$ 45.693 χ^2 /NDF: 3.6/4

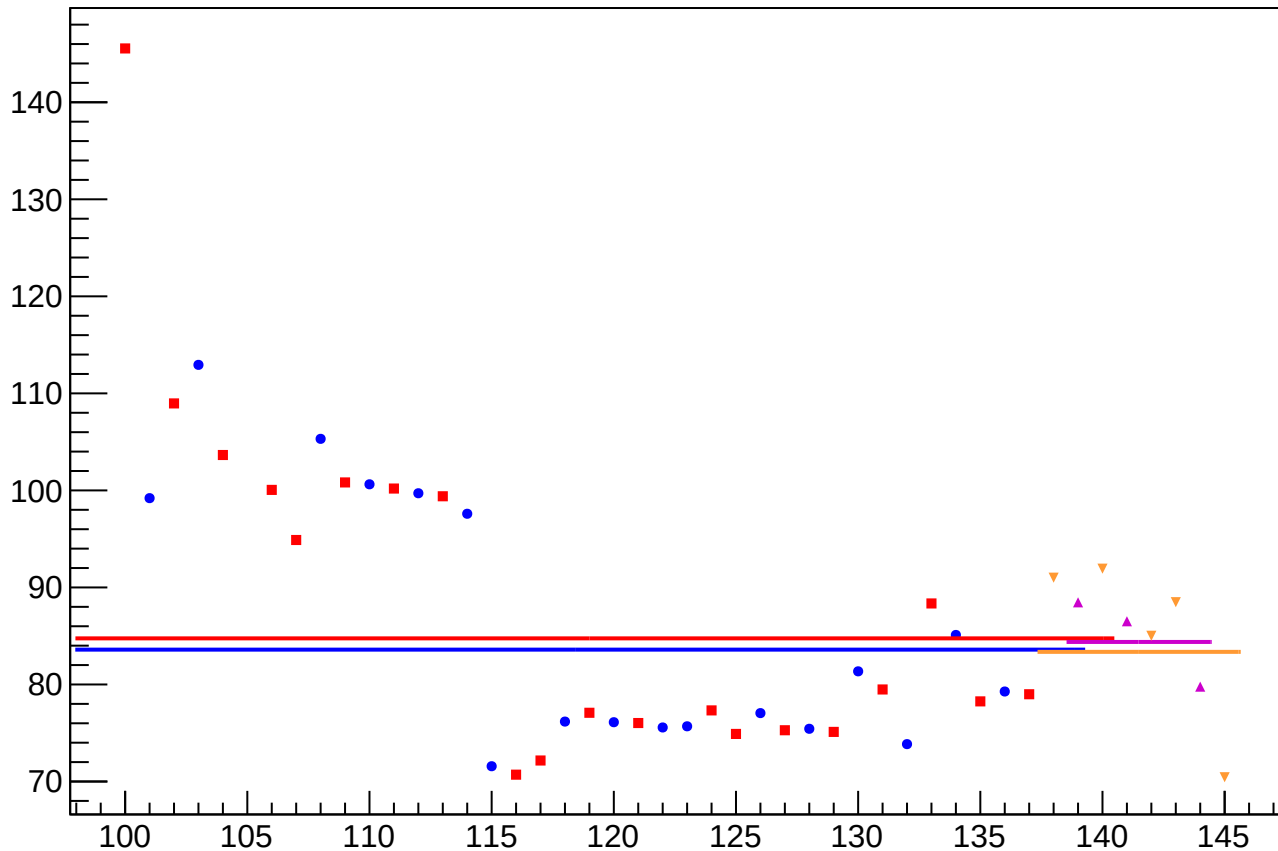
Right Out: -140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

Left In: 22.945 $\pm$ 54.310 χ^2 /NDF: 0.8/2

136.422 $\pm$ 26.629 χ^2 /NDF: 25.4/21

-97.674 $\pm$ 27.697 χ^2 /NDF: 19.6/22

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 83.361+/-0.032 χ^2/NDF : 80447.8/4

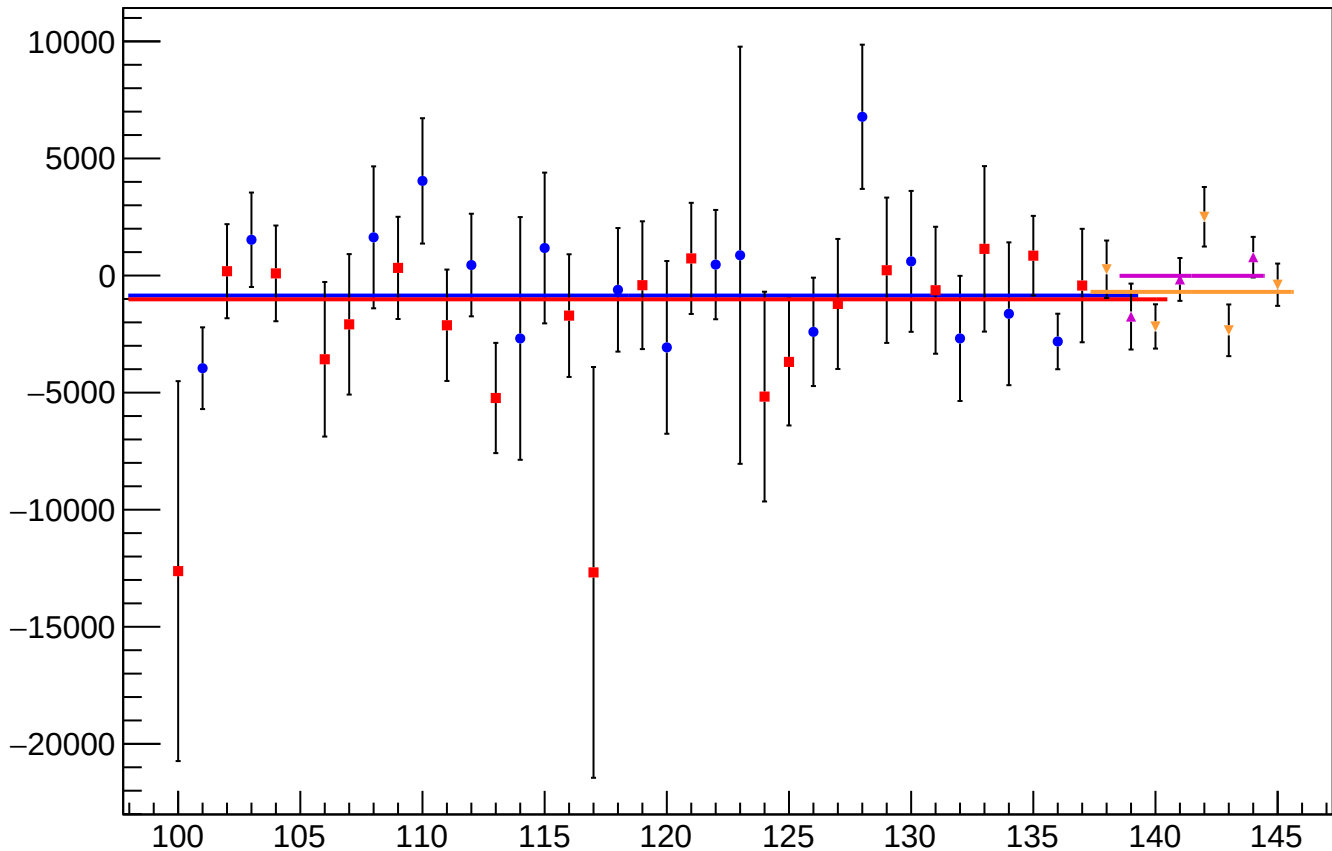
Right Out: 84.752+/-0.023 χ^2/NDF : 293262.6/19

Left In: 84.383+/-0.038 χ^2/NDF : 9791.7/2

83.513+/-0.019 χ^2/NDF : 336402.8/21

84.656+/-0.020 χ^2/NDF : 303122.5/22

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -696.949+/-474.289 χ^2/NDF : 11.7/4

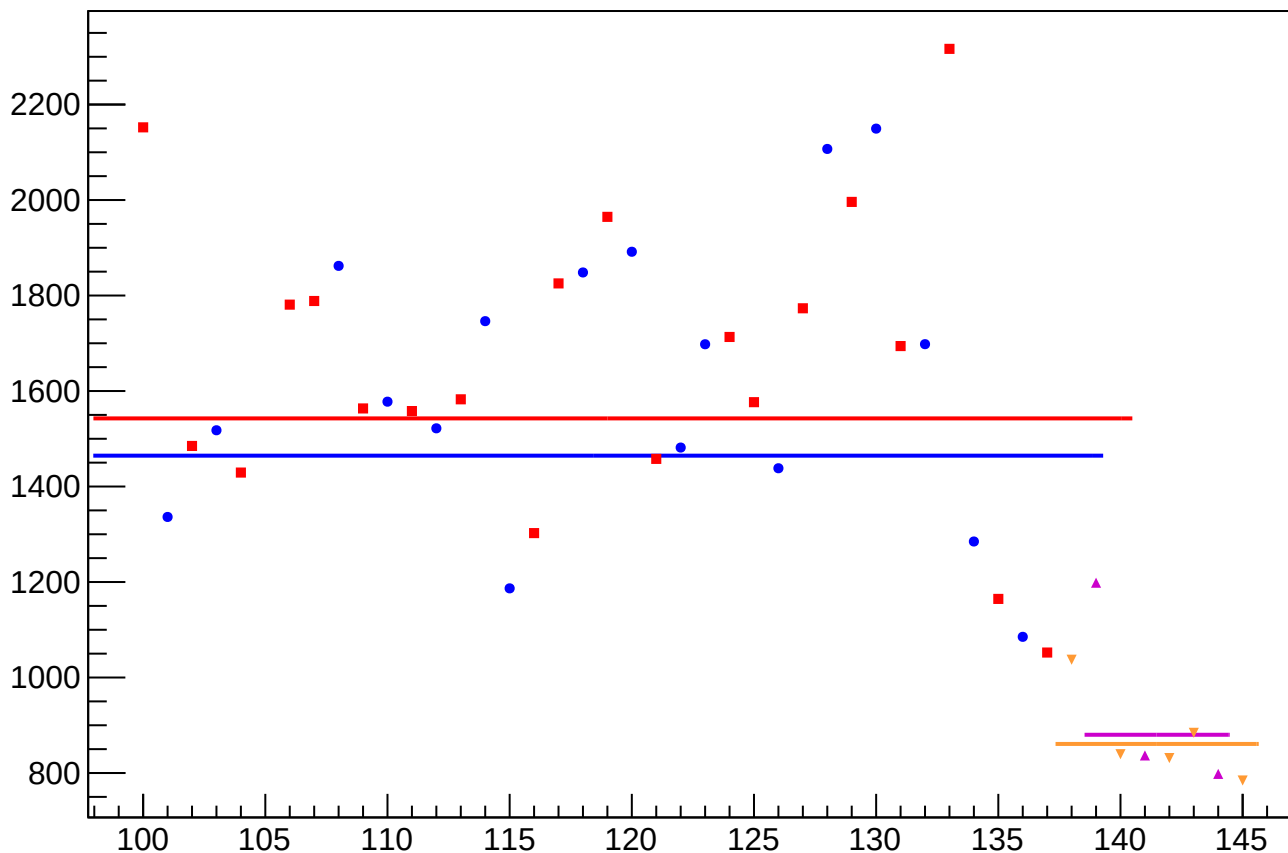
Right Out: -1015.523+/-587.747 χ^2/NDF : 13.3/19

Left In: -12.314+/-574.483 χ^2/NDF : 2.4/2

-759.978+/-367.990 χ^2/NDF : 32.1/21

-502.471+/-410.830 χ^2/NDF : 17.2/22

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 860.888 $\pm$ 0.335 χ^2 /NDF: 58644.1/4

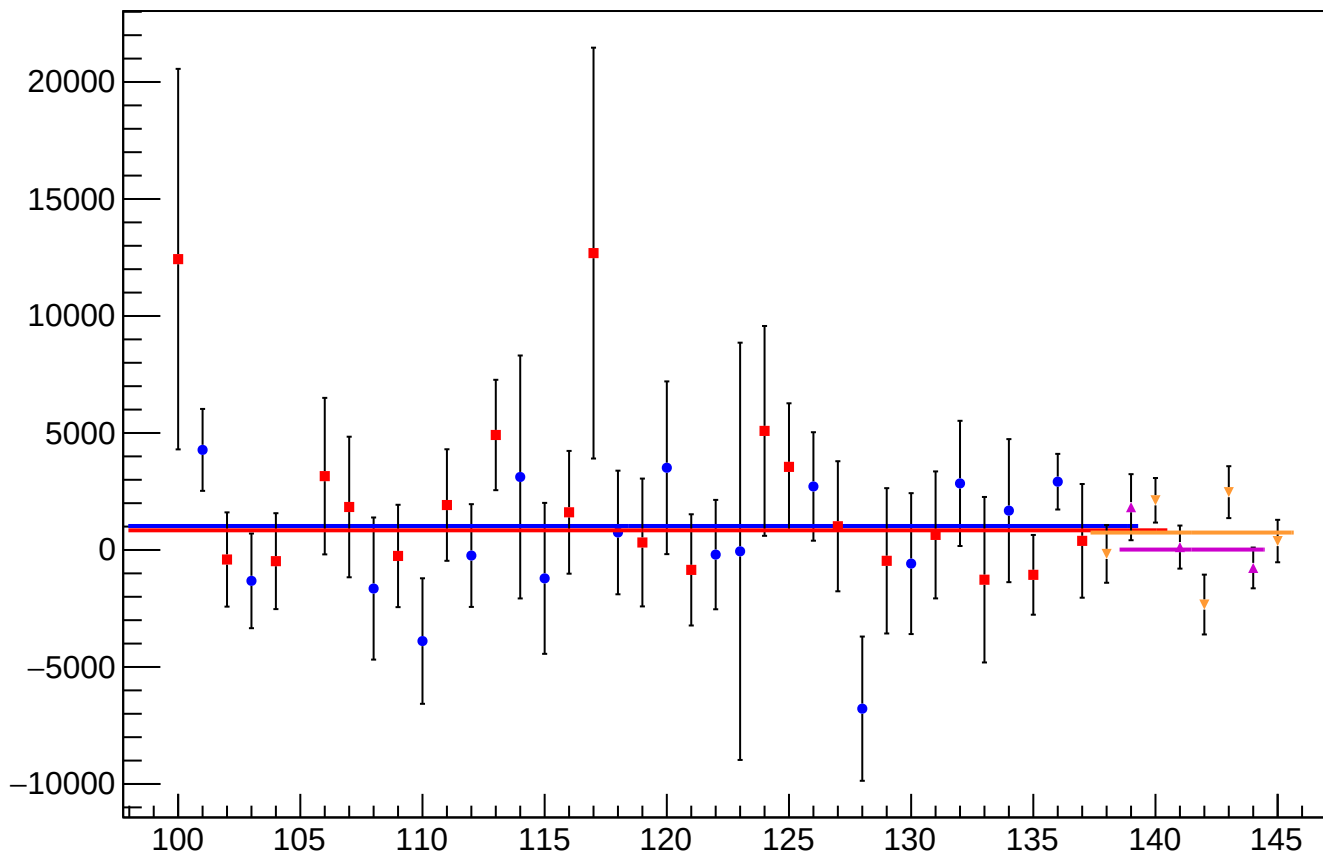
Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

Left In: 880.101 $\pm$ 0.406 χ^2 /NDF: 124739.5/2

1101.190 $\pm$ 0.260 χ^2 /NDF: 1909407.5/21

1203.822 $\pm$ 0.291 χ^2 /NDF: 1880322.9/22

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527+/-584.500 χ^2/NDF : 20.9/16

Left Out: 744.648+/-476.654 χ^2/NDF : 11.0/4

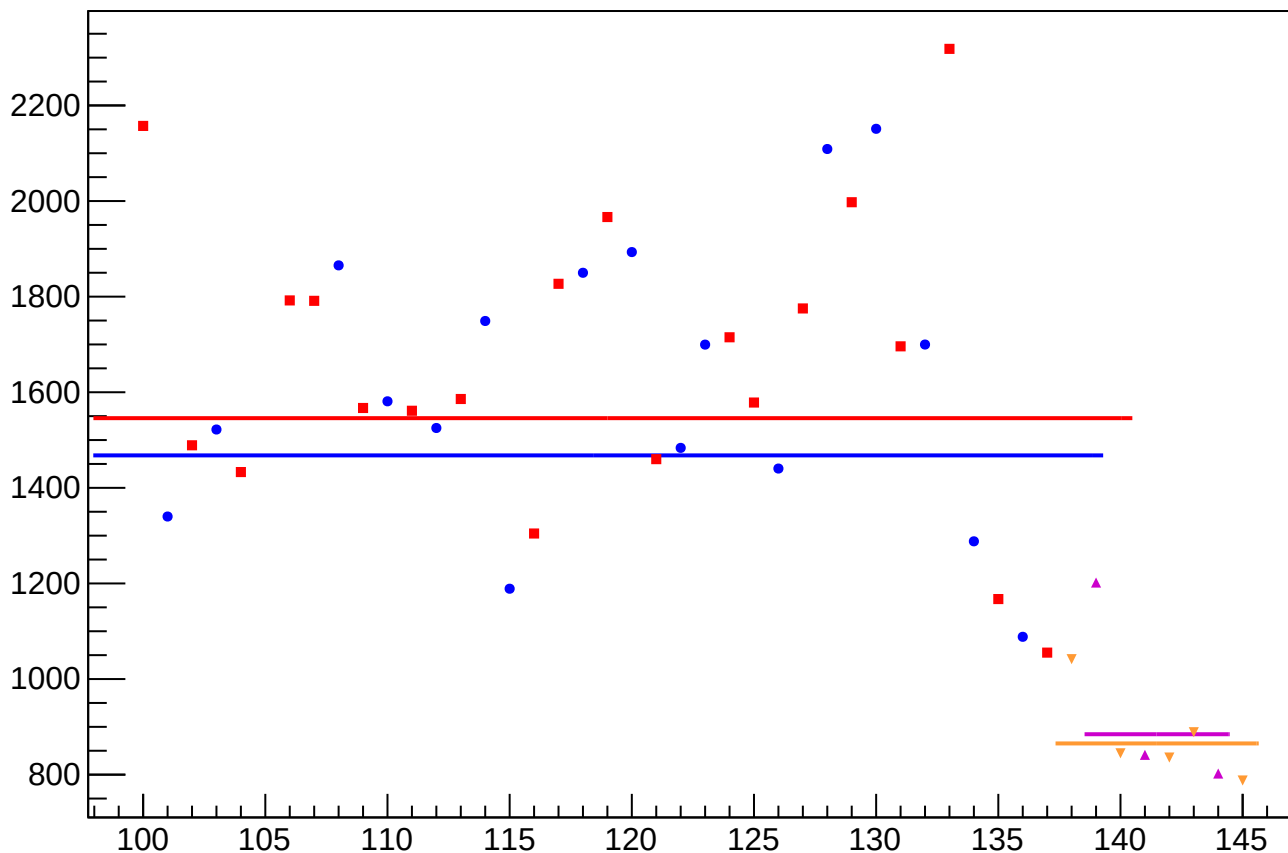
Right Out: 840.586+/-589.057 χ^2/NDF : 13.0/19

Left In: 17.424+/-577.278 χ^2/NDF : 2.5/2

856.834+/-369.397 χ^2/NDF : 32.1/21

420.693+/-412.299 χ^2/NDF : 16.5/22

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 865.291+/-0.337 χ^2/NDF : 58412.6/4

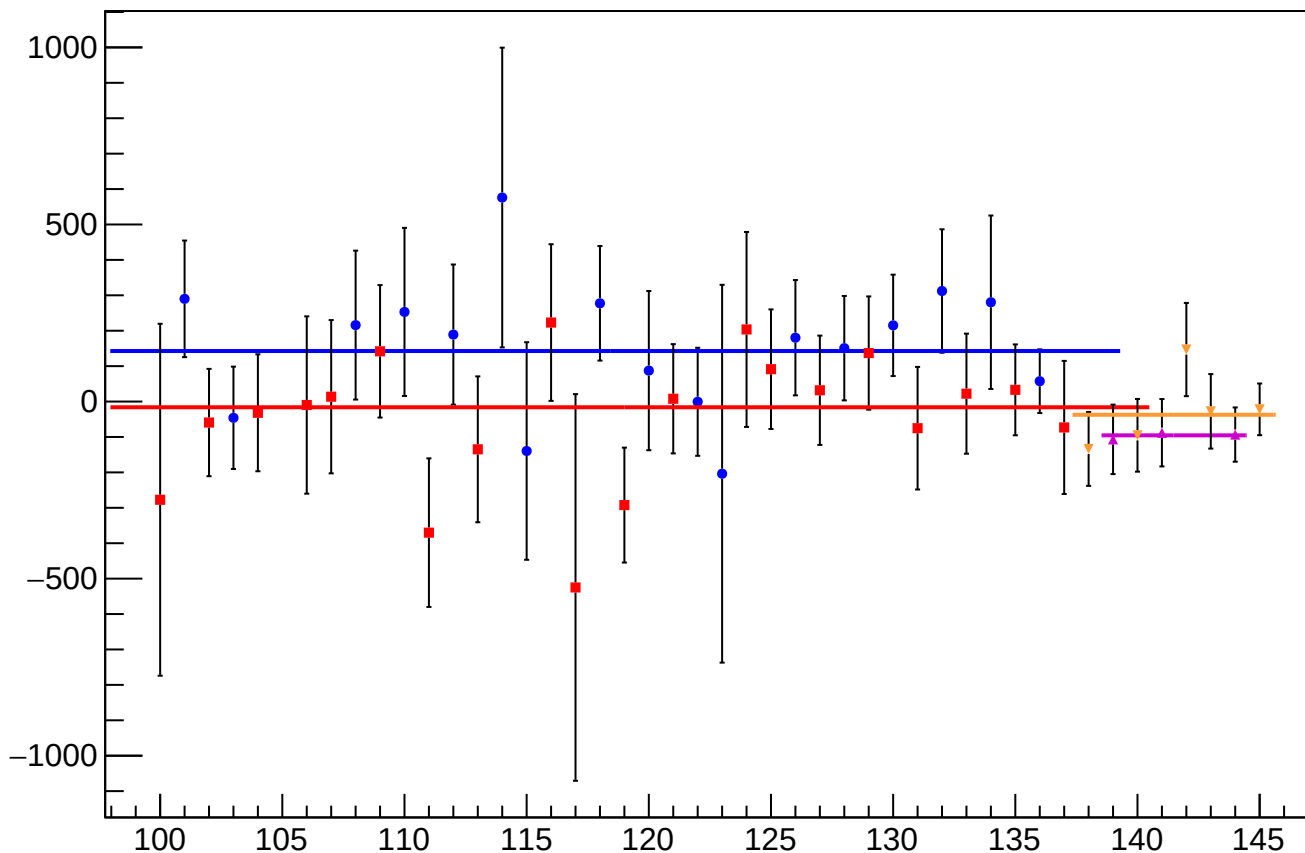
Right Out: 1545.785+/-0.417 χ^2/NDF : 453865.6/19

Left In: 884.565+/-0.408 χ^2/NDF : 123322.3/2

1105.981+/-0.261 χ^2/NDF : 1892659.3/21

1208.498+/-0.292 χ^2/NDF : 1862652.2/22

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 ± 41.625 χ^2/NDF : 9.3/16

Left Out: -37.326 ± 43.737 χ^2/NDF : 3.2/4

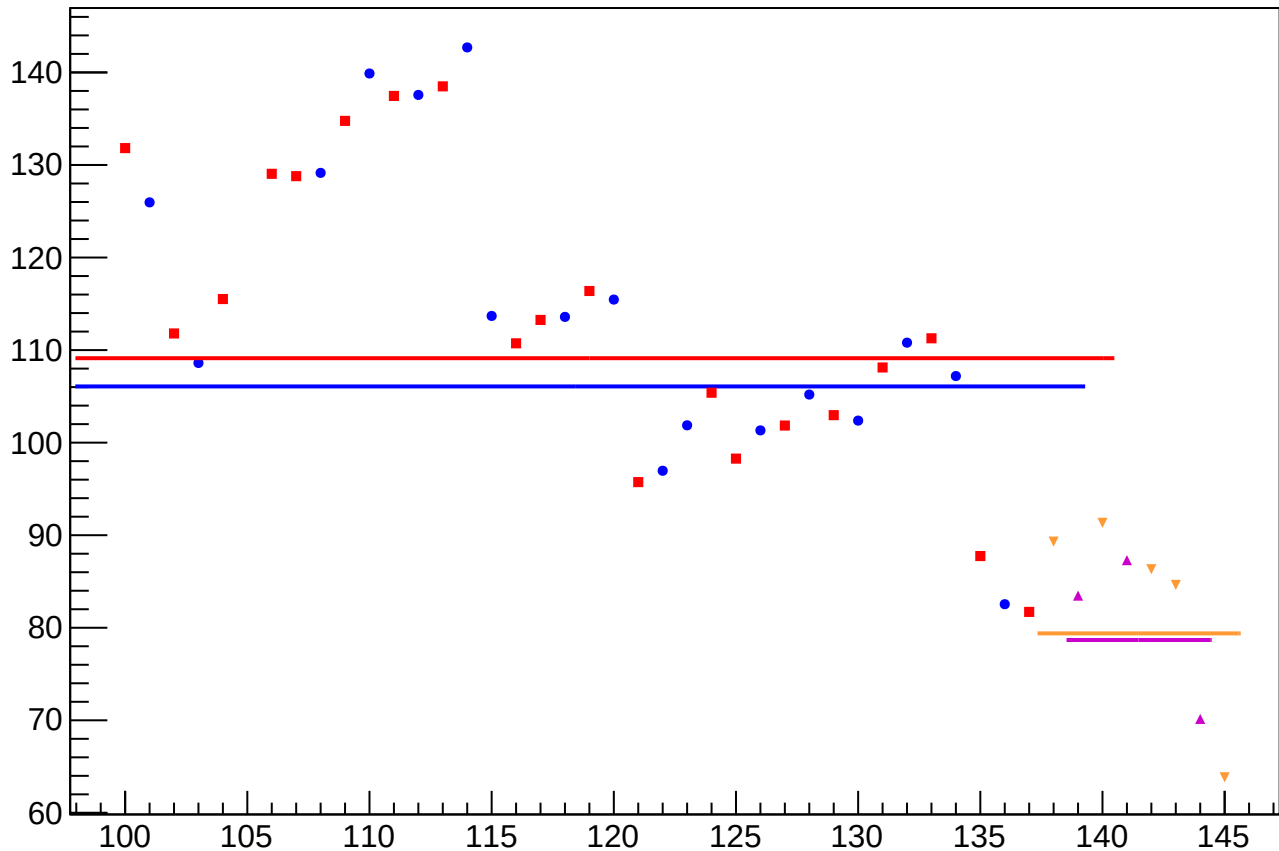
Right Out: -16.103 ± 41.277 χ^2/NDF : 11.7/19

Left In: -95.387 ± 50.971 χ^2/NDF : 0.0/2

57.128 ± 30.152 χ^2/NDF : 21.4/21

-47.505 ± 32.078 χ^2/NDF : 13.2/22

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074+/-0.029 χ^2/NDF : 317907.9/16

Left Out: 79.391+/-0.031 χ^2/NDF :146499.5/4

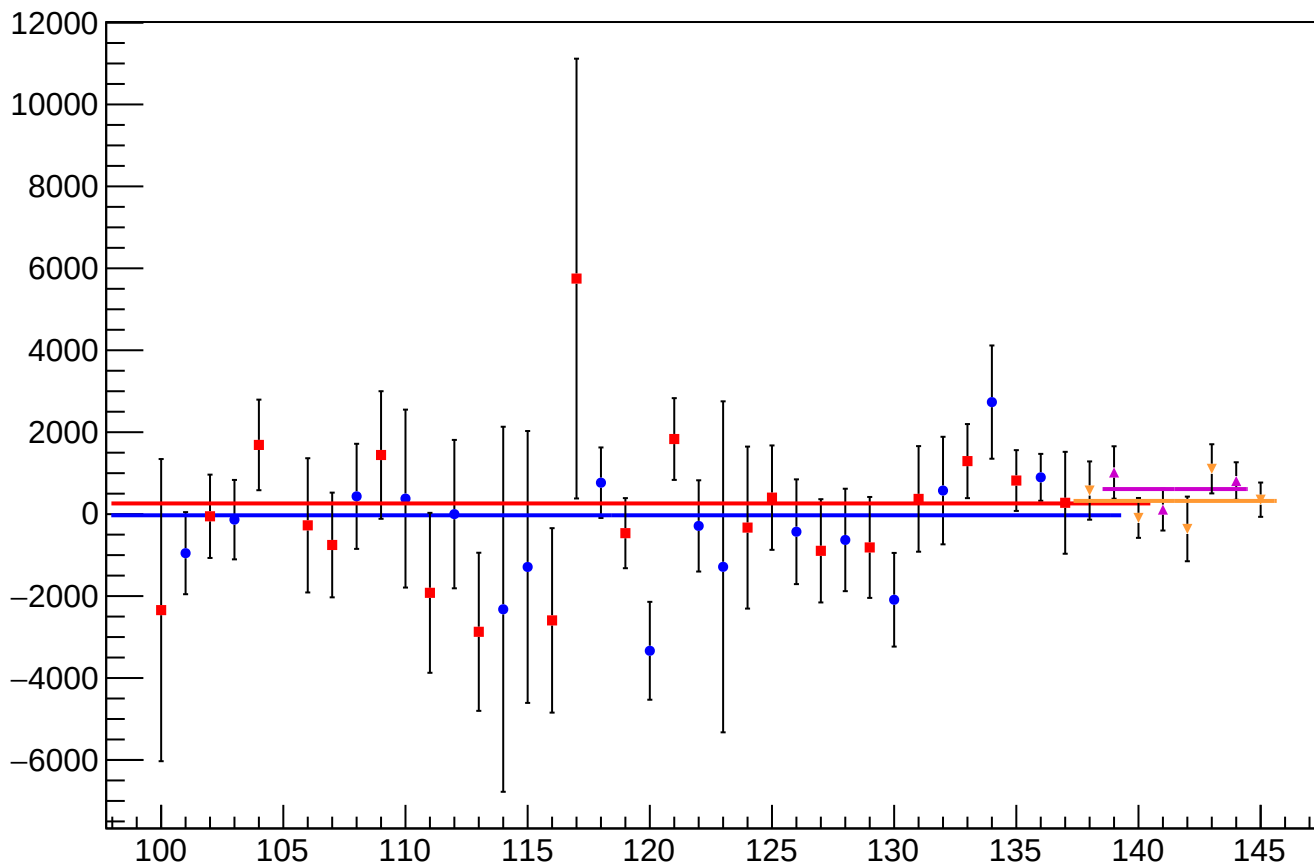
Right Out: 109.124+/-0.029 χ^2/NDF : 285510.2/19

Left In: 78.677+/-0.036 χ^2/NDF :46009.4/2

93.392+/-0.021 χ^2/NDF : 854998.6/21

97.065+/-0.023 χ^2/NDF : 762509.7/22

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 $\pm$ 283.741 χ^2/NDF : 20.5/16

Left Out: 322.558 $\pm$ 247.739 χ^2/NDF : 3.3/4

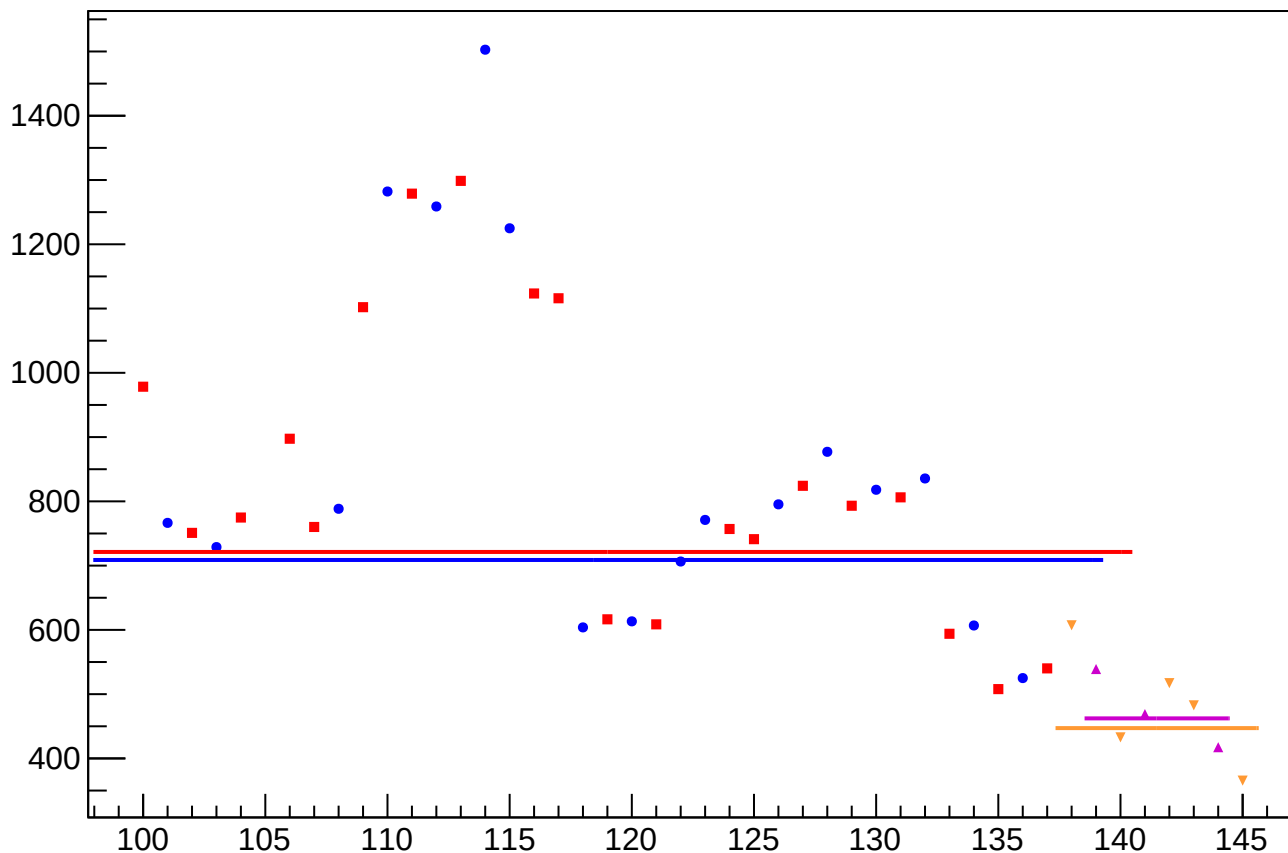
Right Out: 261.265 $\pm$ 279.073 χ^2/NDF : 16.9/19

Left In: 612.315 $\pm$ 301.057 χ^2/NDF : 1.5/2

170.931 $\pm$ 186.617 χ^2/NDF : 24.7/21

423.506 $\pm$ 204.665 χ^2/NDF : 19.2/22

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2/NDF : 793538.1/16

Left Out: 447.167 $\pm$ 0.175 χ^2/NDF : 201870.9/4

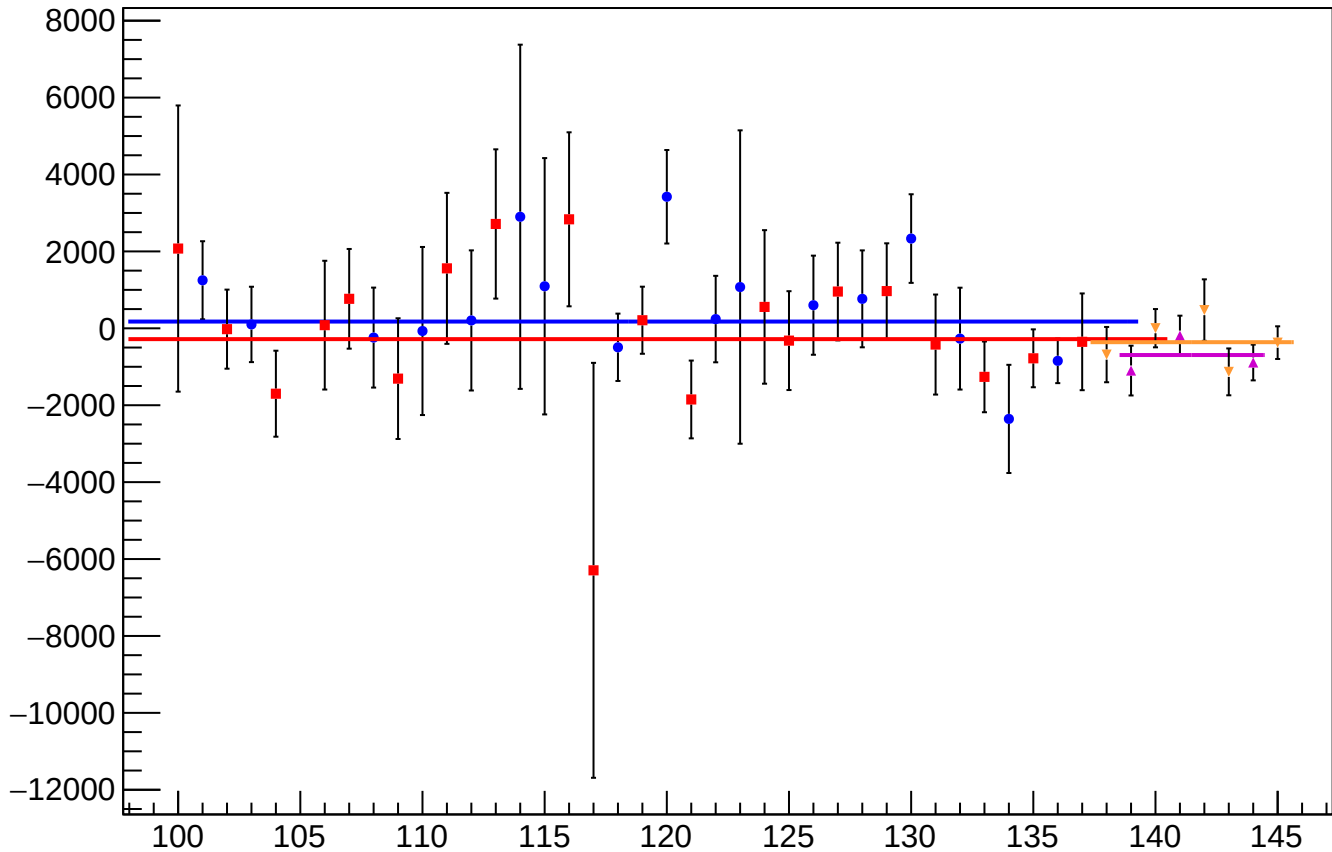
Right Out: 721.271 $\pm$ 0.197 χ^2/NDF : 910781.0/19

Left In: 462.306 $\pm$ 0.213 χ^2/NDF : 48318.5/2

560.335 $\pm$ 0.132 χ^2/NDF : 1960189.6/21

601.588 $\pm$ 0.145 χ^2/NDF : 1755020.0/22

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 ± 287.218 $\chi^2/\text{NDF}: 19.7/16$

Left Out: -360.427 ± 251.839 $\chi^2/\text{NDF}: 3.4/4$

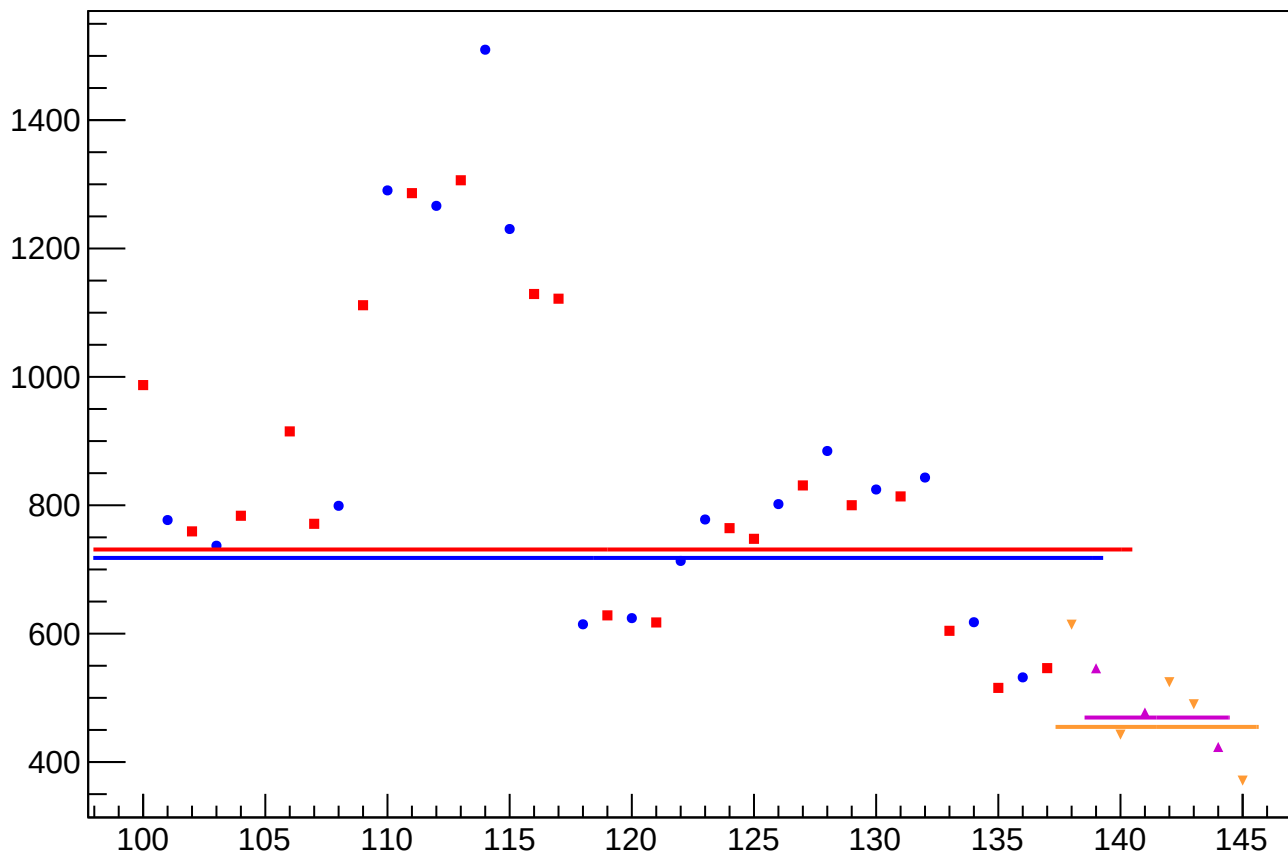
Right Out: -281.173 ± 282.685 $\chi^2/\text{NDF}: 16.1/19$

Left In: -694.503 ± 305.542 $\chi^2/\text{NDF}: 1.5/2$

-127.333 ± 189.357 $\chi^2/\text{NDF}: 25.1/21$

-471.801 ± 207.499 $\chi^2/\text{NDF}: 18.5/22$

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 454.732+/-0.178 χ^2/NDF :198652.5/4

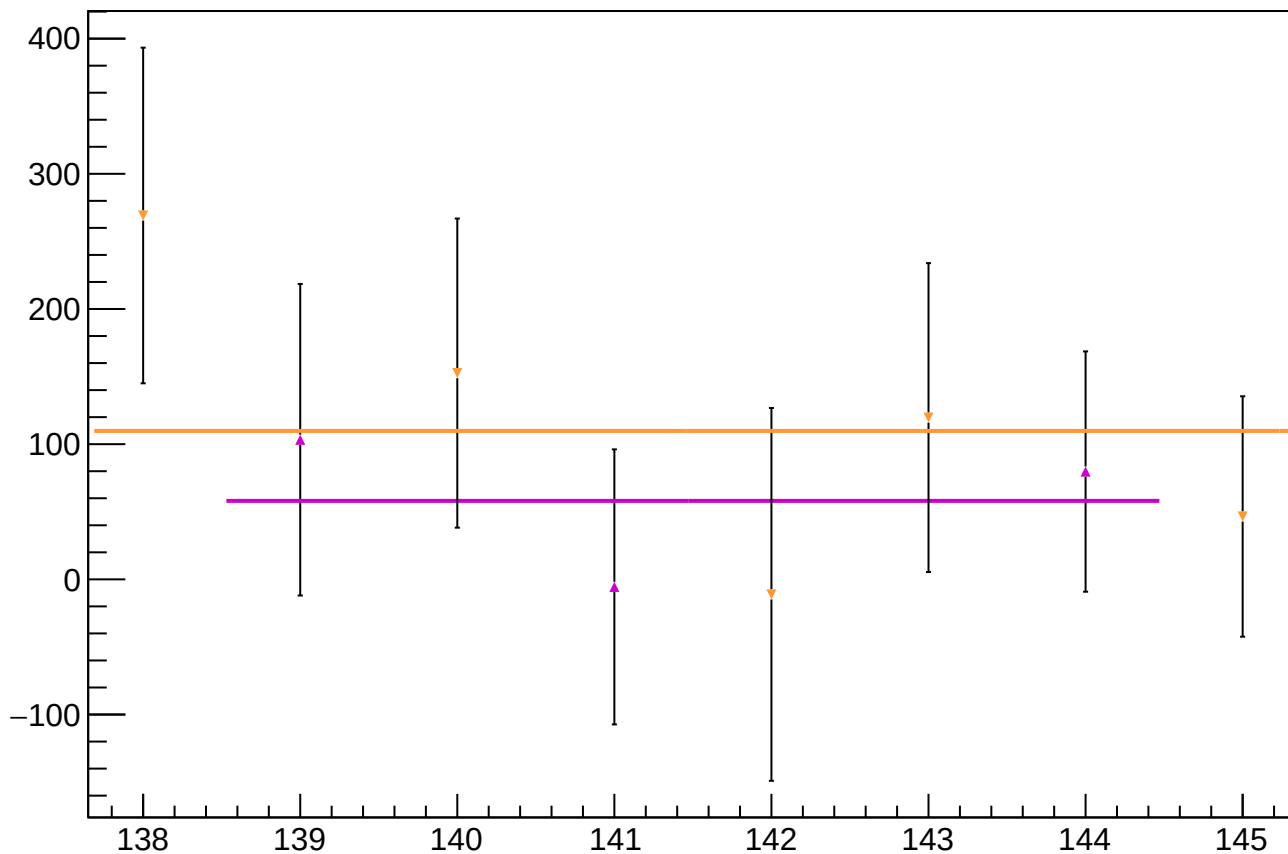
Right Out: 731.116+/-0.200 χ^2/NDF : 892357.6/19

Left In: 469.321+/-0.216 χ^2/NDF :47994.5/2

569.150+/-0.134 χ^2/NDF : 1927027.8/21

610.376+/-0.147 χ^2/NDF : 1731461.1/22

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 109.814+/-50.186 χ^2/NDF : 3.1/4

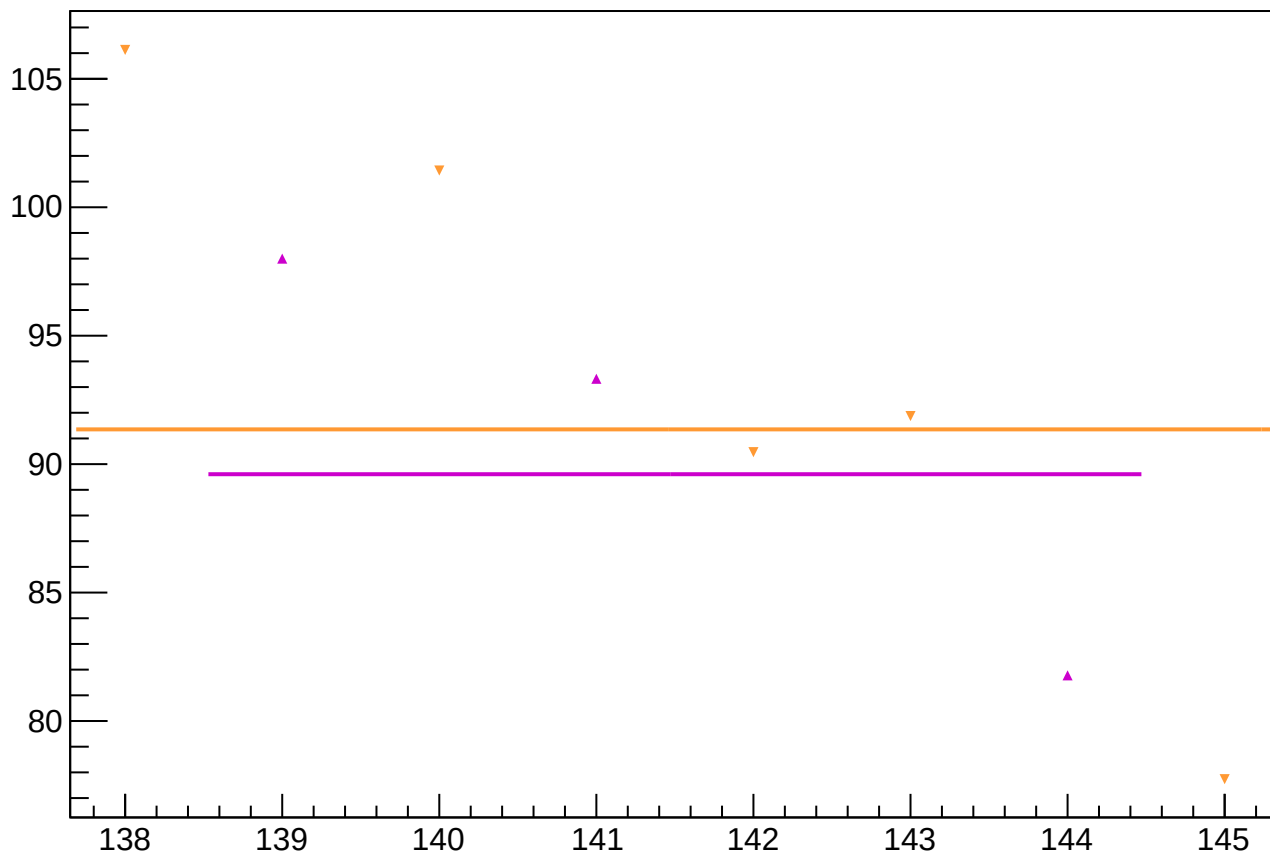
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 58.066+/-57.882 χ^2/NDF : 0.6/2

109.814+/-50.186 χ^2/NDF : 3.1/4

58.066+/-57.882 χ^2/NDF : 0.6/2

reg_asym_sam_1548_avg_rms vs Slug



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

Left Out: 91.353+/-0.035 χ^2/NDF : 90892.5/4

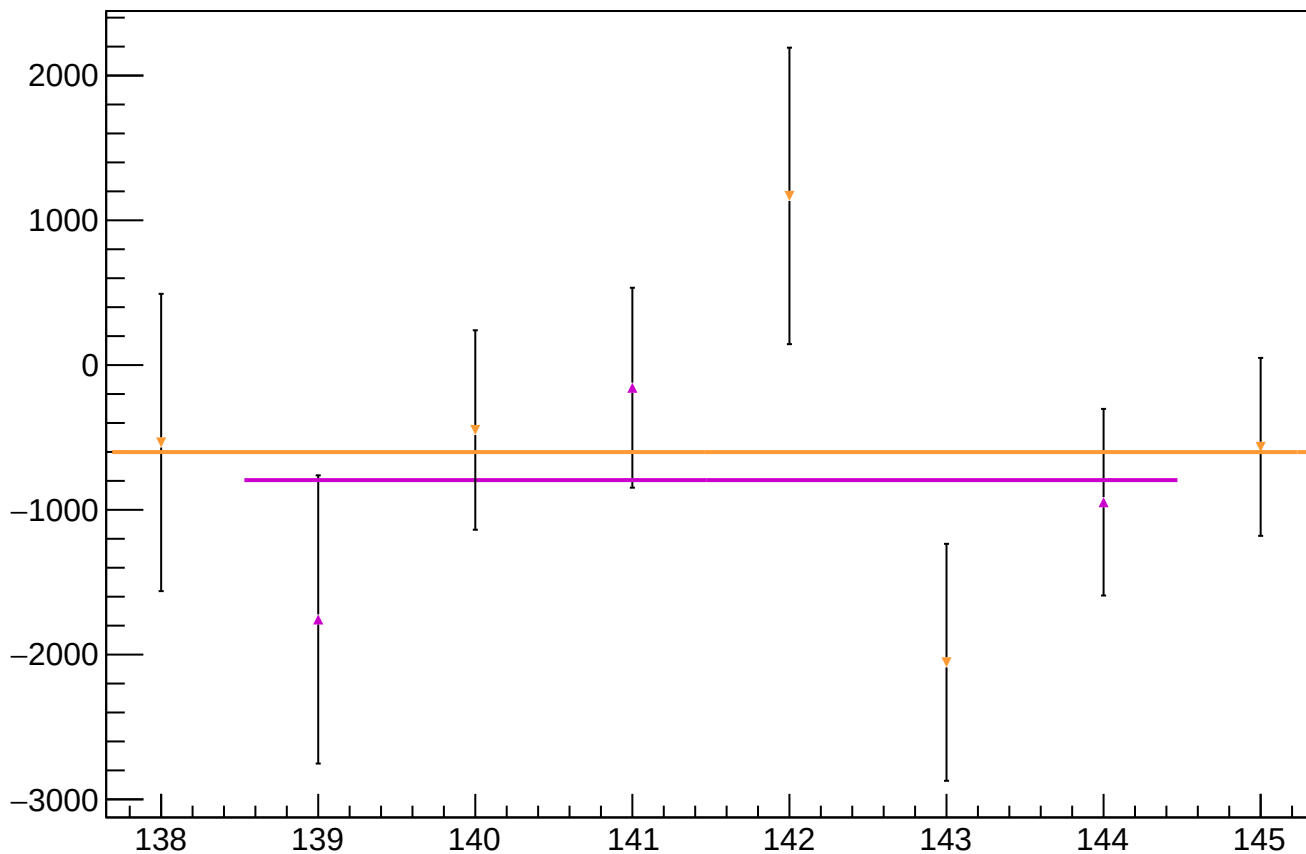
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 89.608+/-0.041 χ^2/NDF : 28797.4/2

91.353+/-0.035 χ^2/NDF : 90892.5/4

89.608+/-0.041 χ^2/NDF : 28797.4/2

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -601.163+/-350.316 χ^2/NDF : 6.2/4

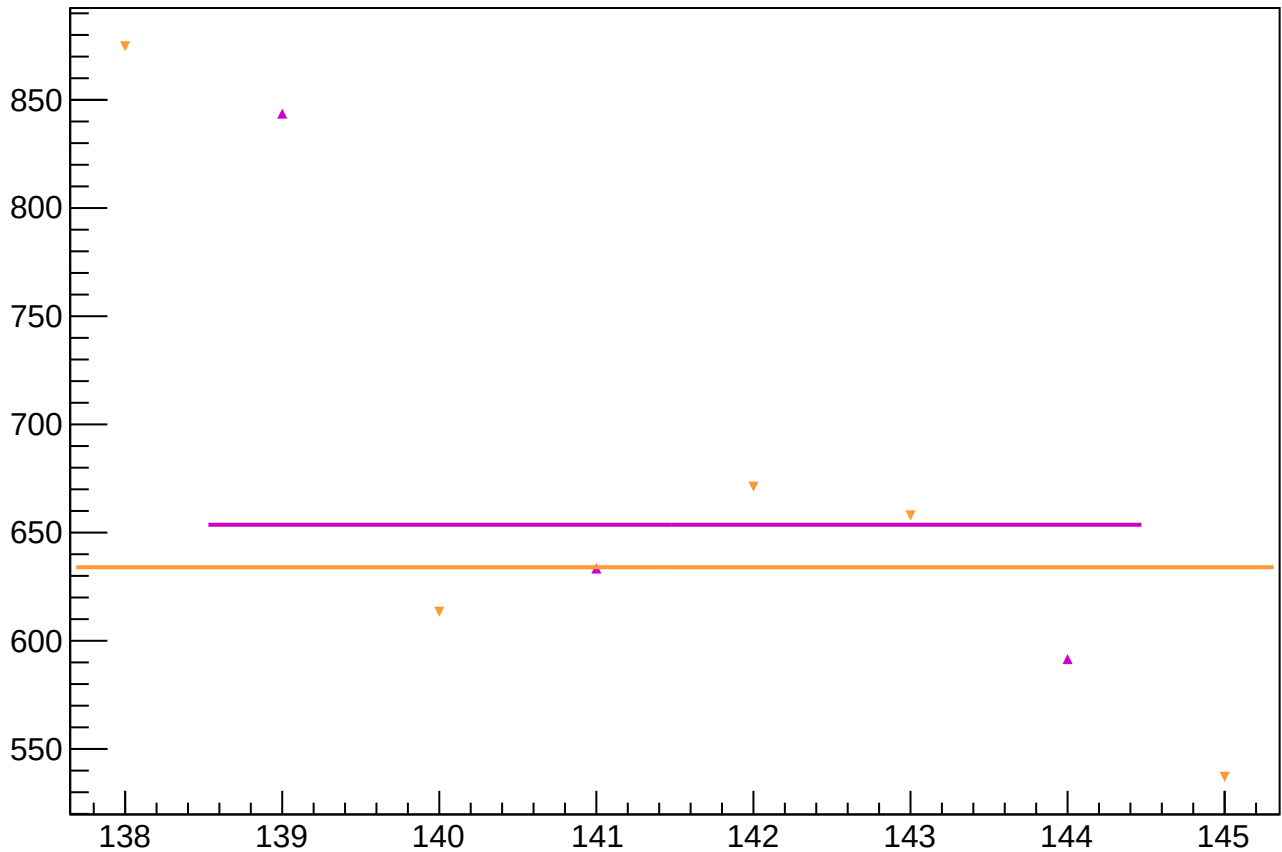
-601.163+/-350.316 χ^2/NDF : 6.2/4

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

-794.714+/-425.881 χ^2/NDF : 1.8/2

Left In: -794.714+/-425.881 χ^2/NDF : 1.8/2

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 633.984+/-0.248 χ^2/NDF : 165811.0/4

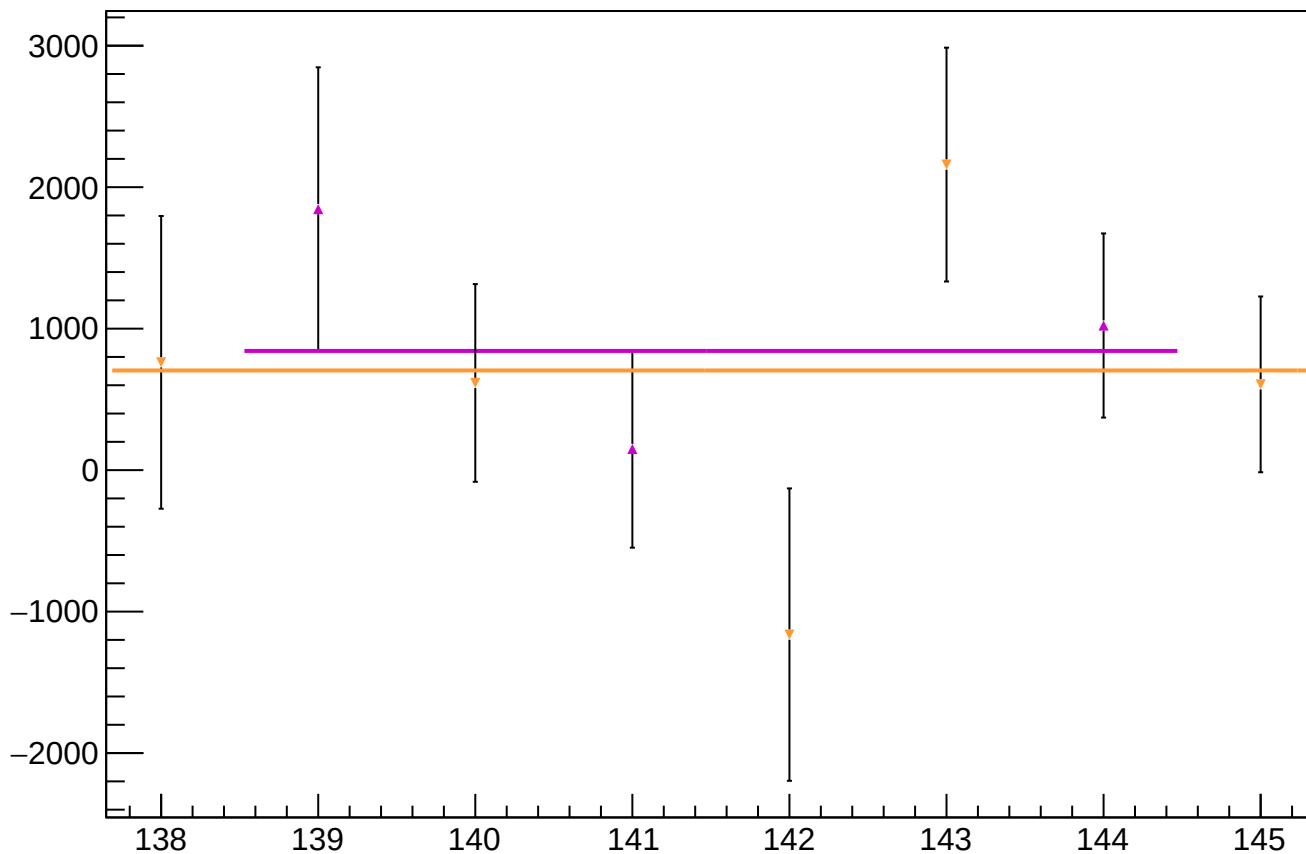
633.984+/-0.248 χ^2/NDF : 165811.0/4

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

653.622+/-0.301 χ^2/NDF : 93149.2/2

Left In: 653.622+/-0.301 χ^2/NDF : 93149.2/2

asym_sam_1548_avg_mean vs Slug



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

Left Out: 704.439+/-354.094 χ^2/NDF : 6.4/4

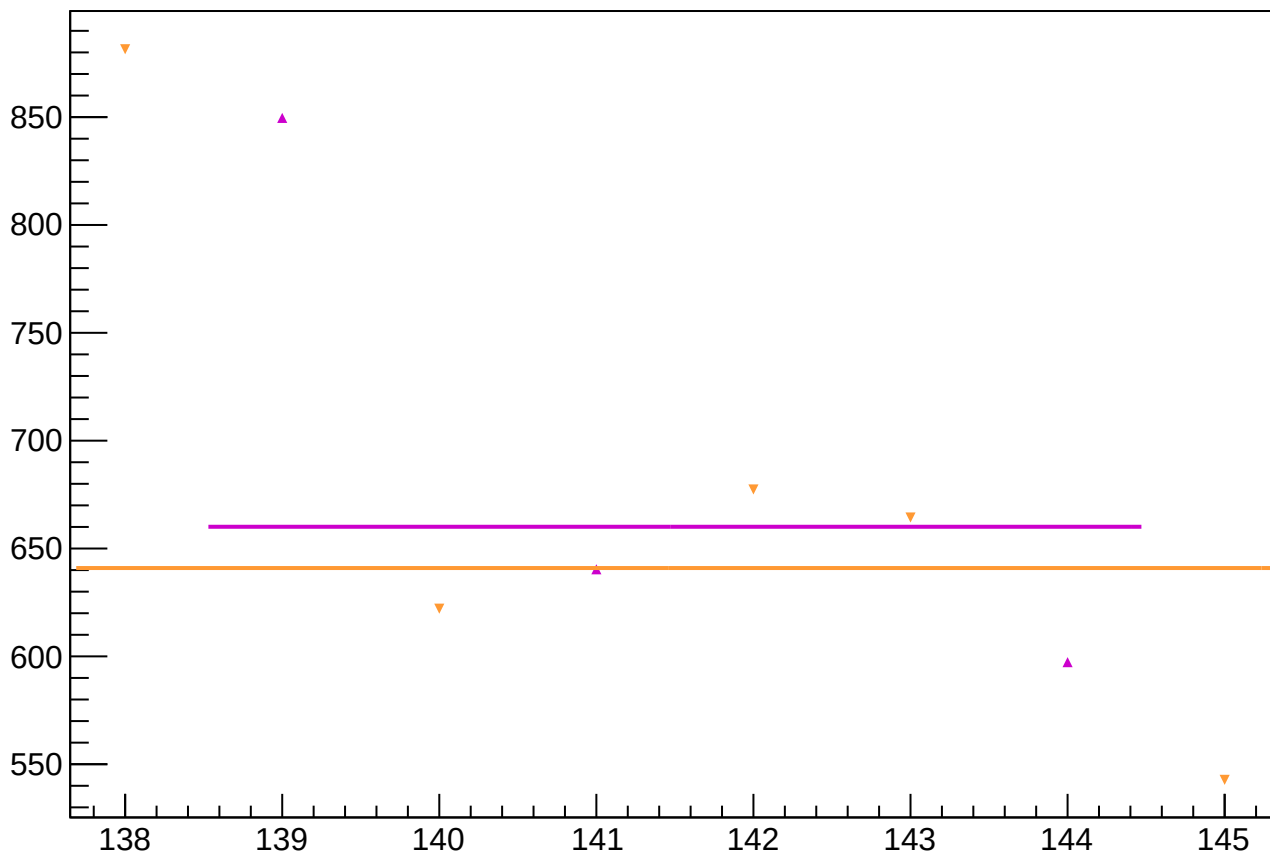
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 842.579+/-429.992 χ^2/NDF : 2.1/2

704.439+/-354.094 χ^2/NDF : 6.4/4

842.579+/-429.992 χ^2/NDF : 2.1/2

asym_sam_1548_avg_rms vs Slug



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

Left Out: 640.952 $\pm$ 0.250 χ^2 /NDF:163635.1/4

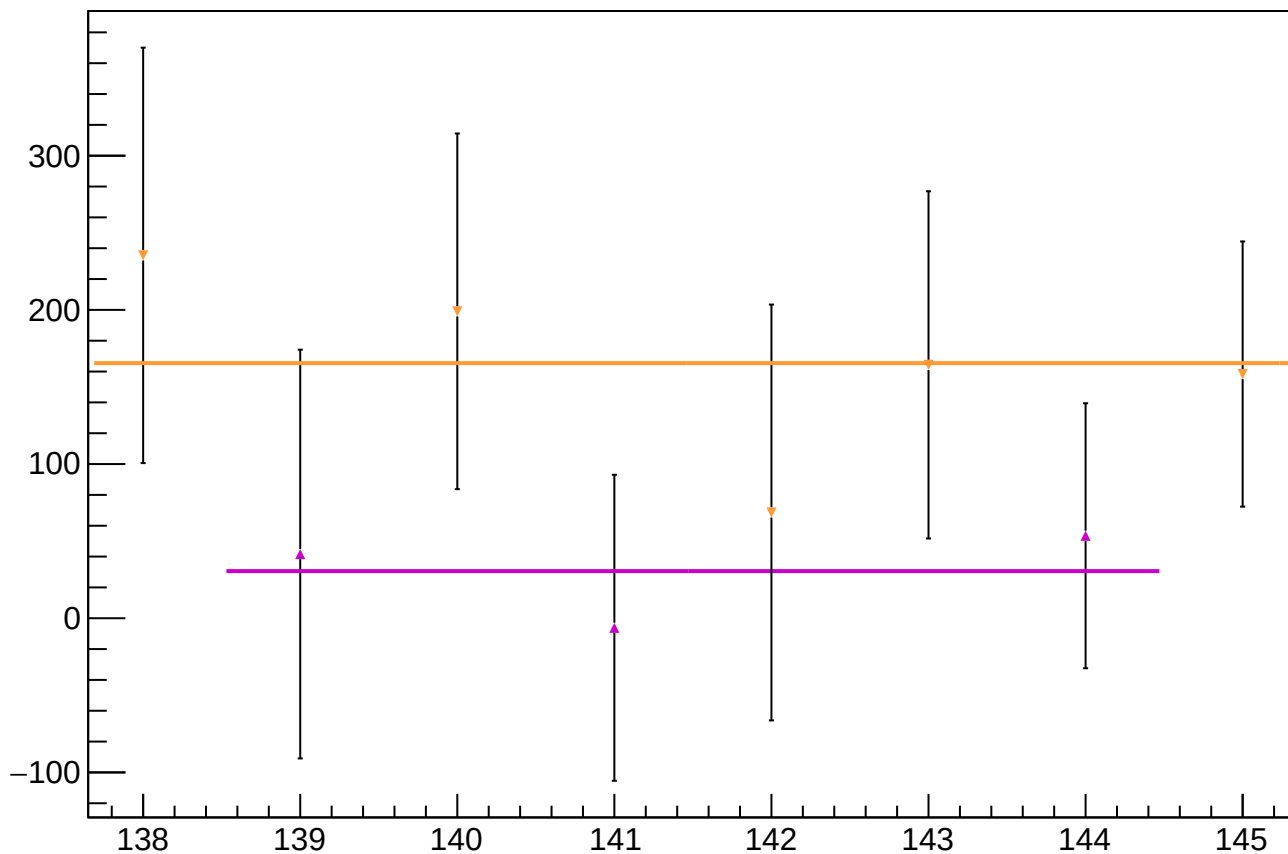
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 660.087 $\pm$ 0.304 χ^2 /NDF:91721.7/2

640.952 $\pm$ 0.250 χ^2 /NDF: 163635.1/4

660.087 $\pm$ 0.304 χ^2 /NDF: 91721.7/2

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 165.471+/-50.044 χ^2/NDF : 0.9/4

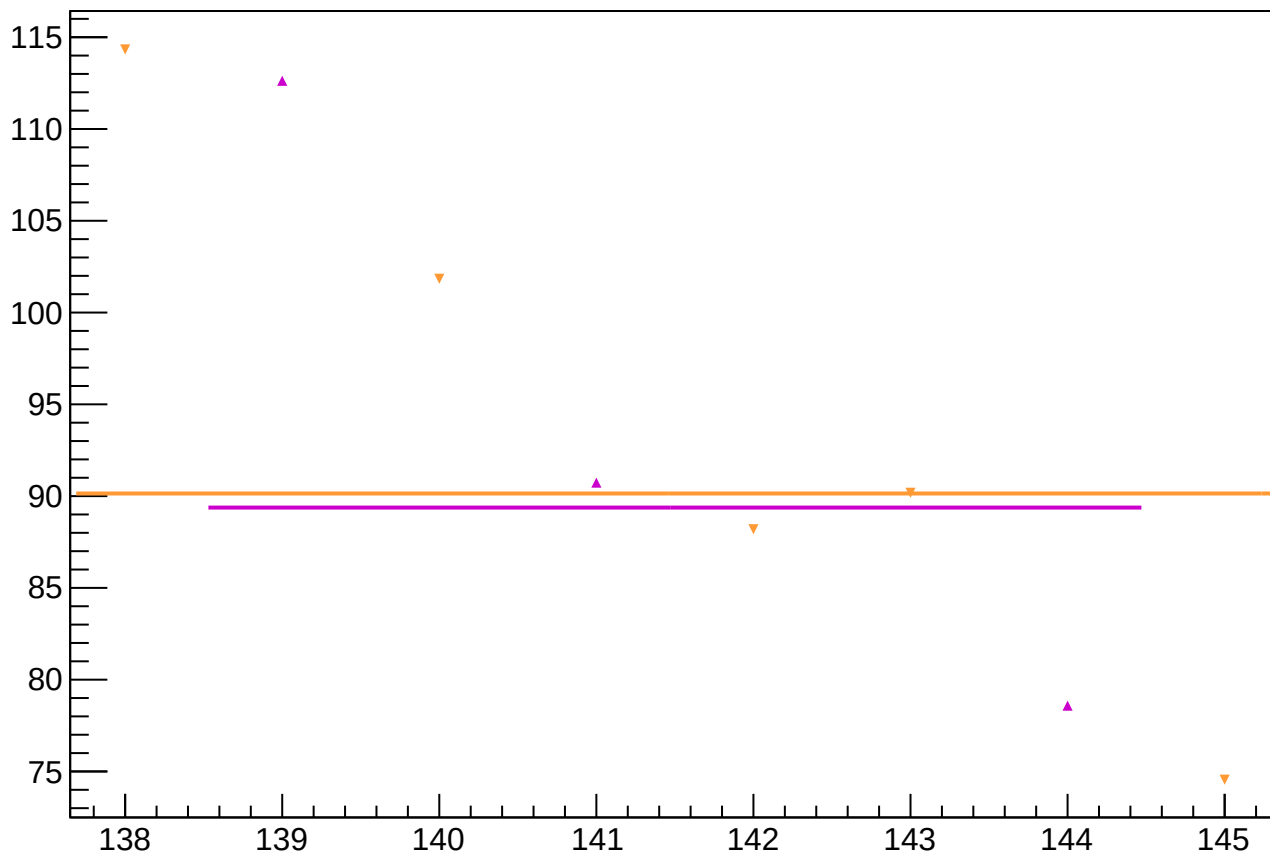
165.471+/-50.044 χ^2/NDF : 0.9/4

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

Left In: 30.572+/-58.335 χ^2/NDF : 0.2/2

30.572+/-58.335 χ^2/NDF : 0.2/2

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 90.143+/-0.035 χ^2/NDF : 151211.1/4

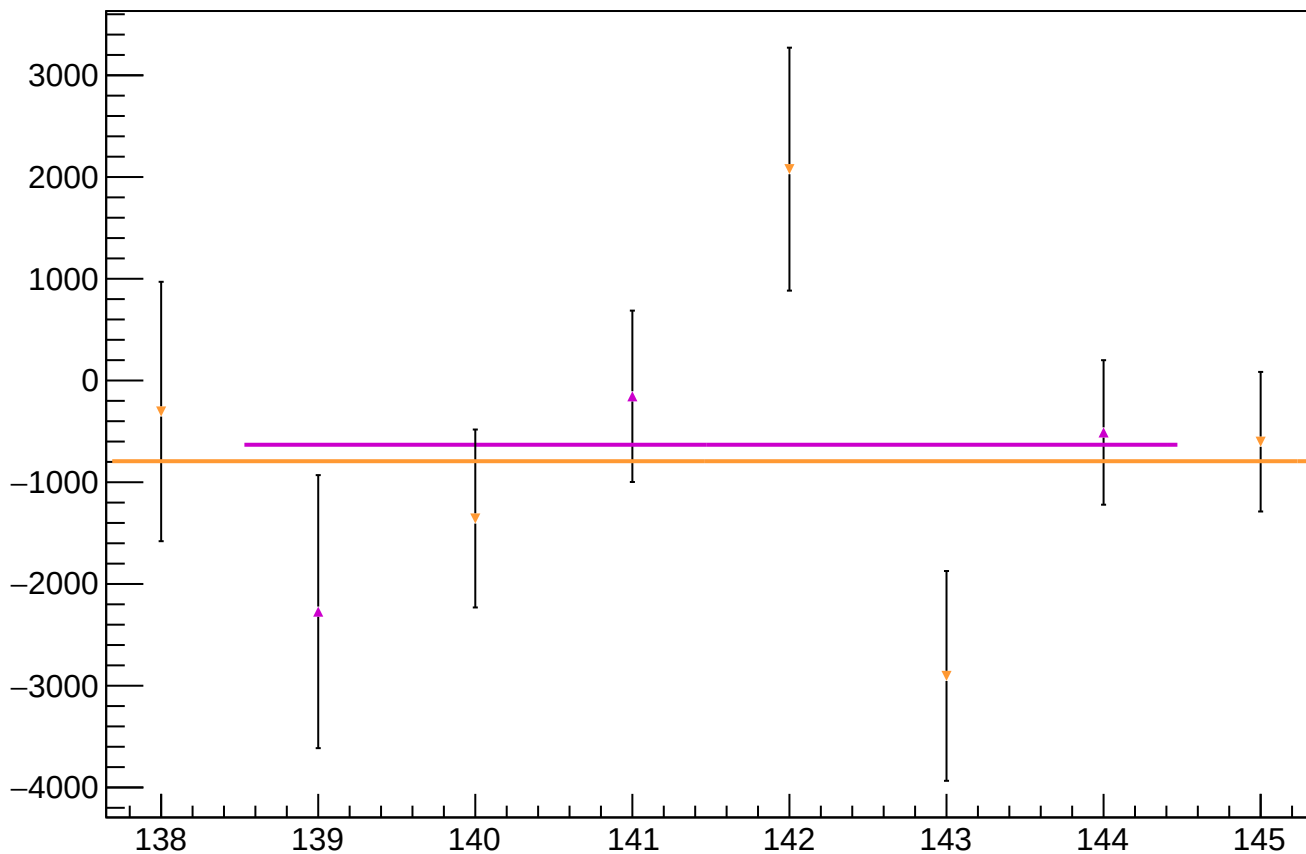
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 89.375+/-0.041 χ^2/NDF : 93442.9/2

90.143+/-0.035 χ^2/NDF : 151211.1/4

89.375+/-0.041 χ^2/NDF : 93442.9/2

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -793.229+/-419.218 χ^2/NDF :10.6/4

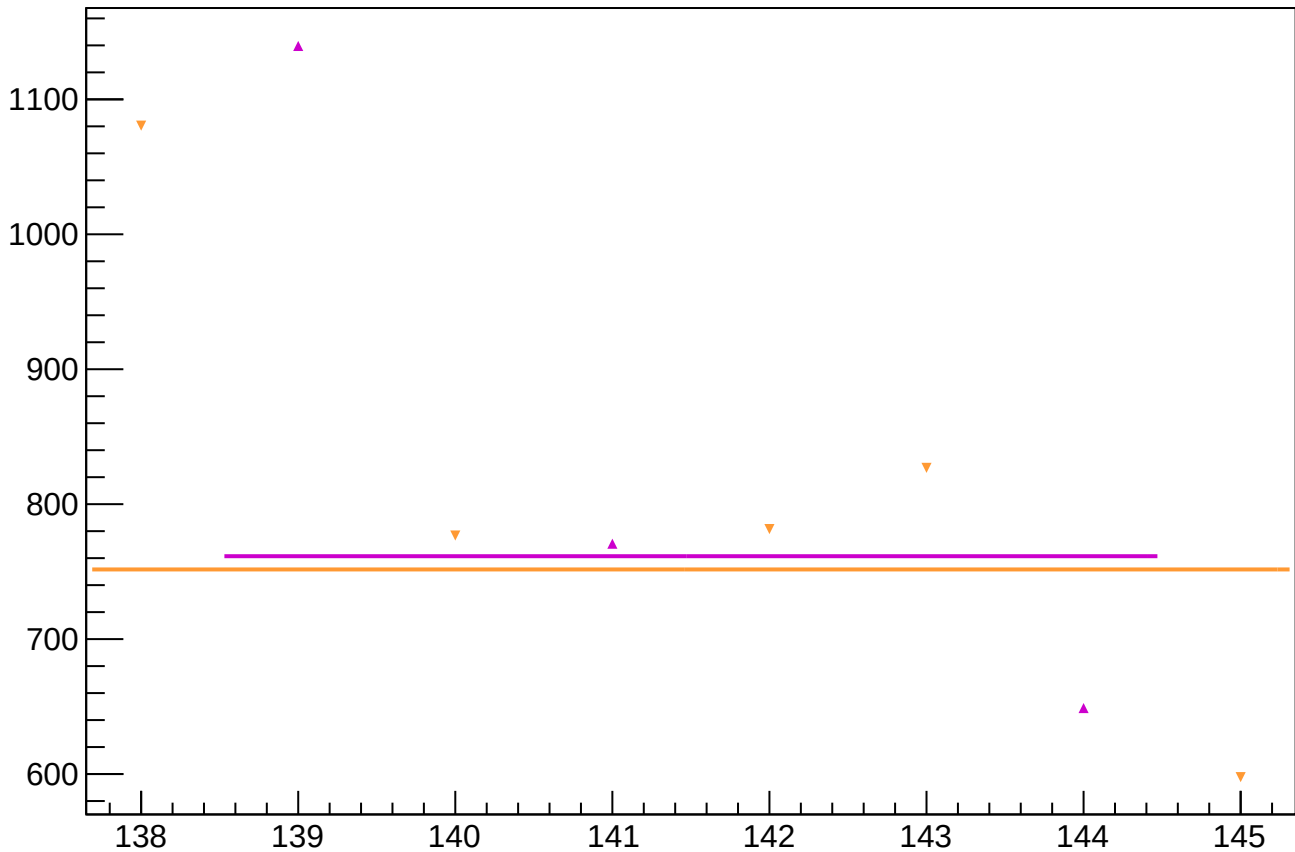
-793.229+/-419.218 χ^2/NDF : 10.6/4

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

-631.505+/-503.318 χ^2/NDF : 1.8/2

Left In: -631.505+/-503.318 χ^2/NDF :1.8/2

asym_sam_3748_avg_correction_rms vs Slug



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

Left Out: 751.621+/-0.296 χ^2/NDF :247390.6/4

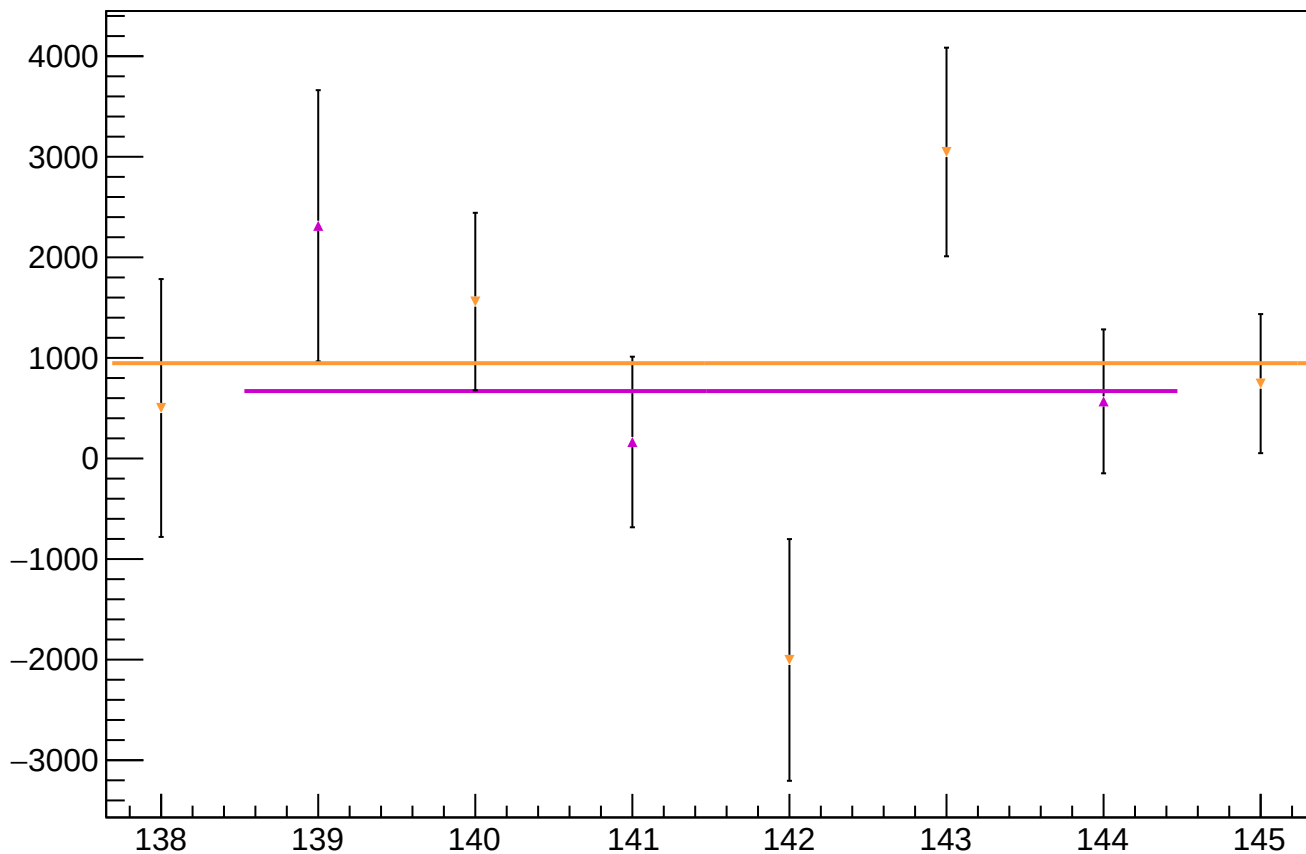
751.621+/-0.296 χ^2/NDF : 247390.6/4

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

761.438+/-0.356 χ^2/NDF : 209283.9/2

Left In: 761.438+/-0.356 χ^2/NDF :209283.9/2

asym_sam_3748_avg_mean vs Slug



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

Left Out: 947.509+/-422.351 χ^2/NDF : 10.8/4

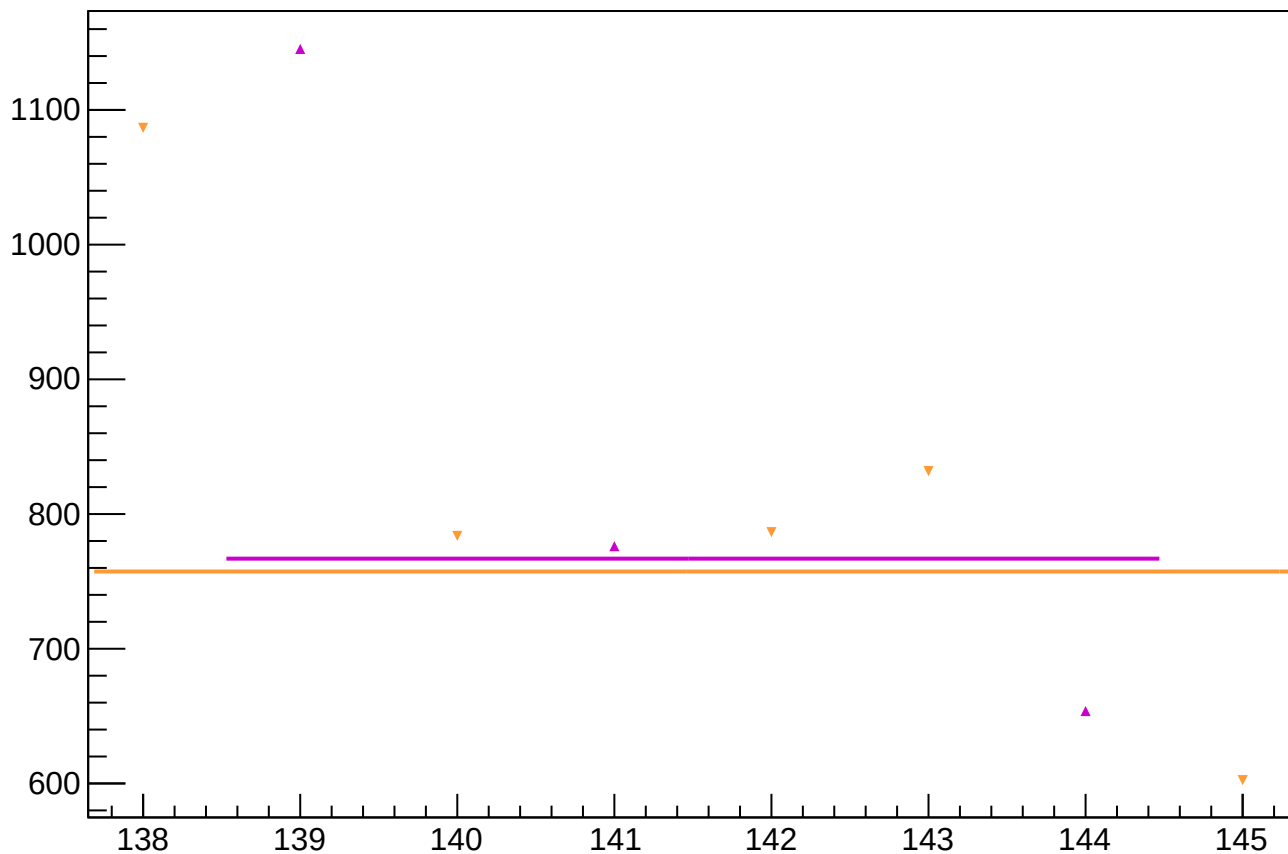
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 670.374+/-506.819 χ^2/NDF : 1.9/2

947.509+/-422.351 χ^2/NDF : 10.8/4

670.374+/-506.819 χ^2/NDF : 1.9/2

asym_sam_3748_avg_rms vs Slug



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

Left Out: 757.337+/-0.299 χ^2/NDF : 245663.0/4

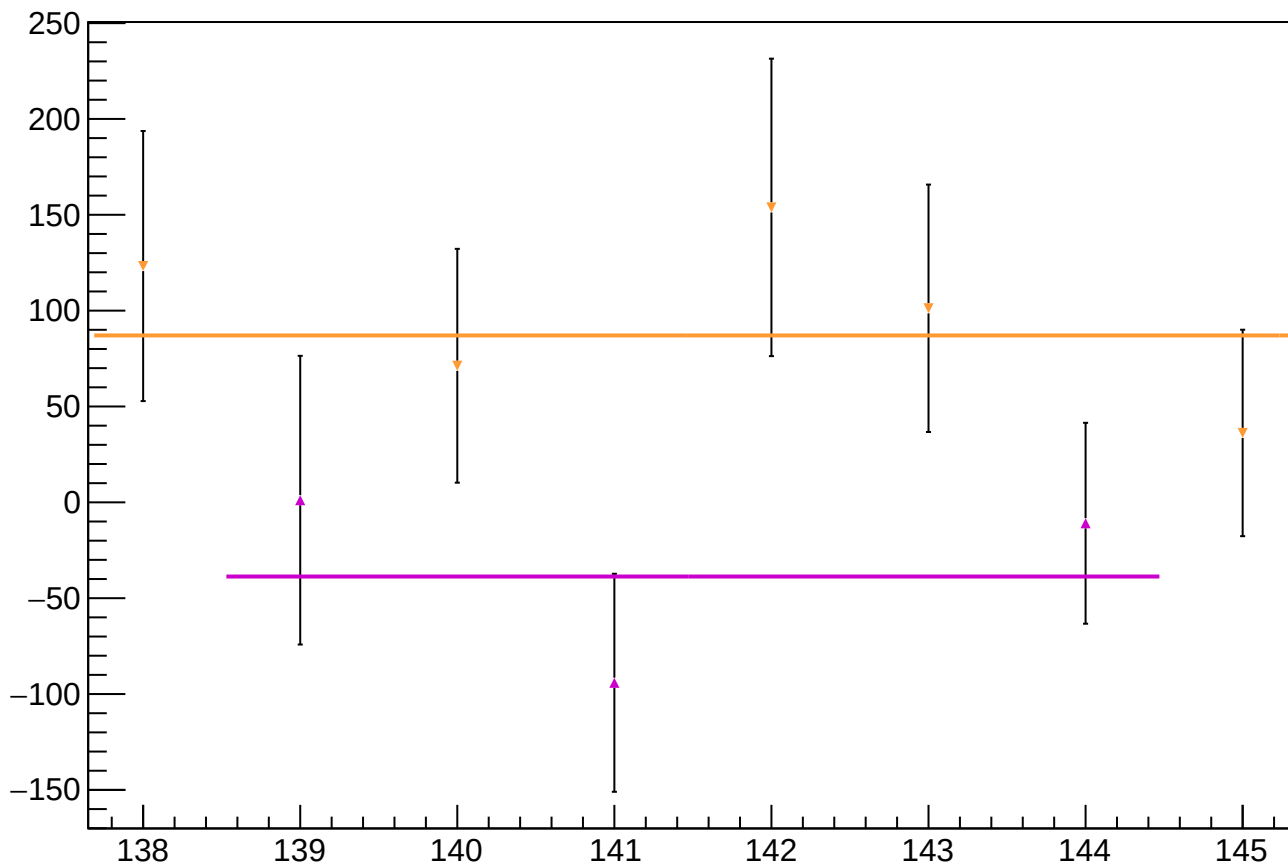
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 766.893+/-0.358 χ^2/NDF : 207695.1/2

757.337+/-0.299 χ^2/NDF : 245663.0/4

766.893+/-0.358 χ^2/NDF : 207695.1/2

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 87.058 $\pm$ 28.611 χ^2 /NDF: 2.0/4

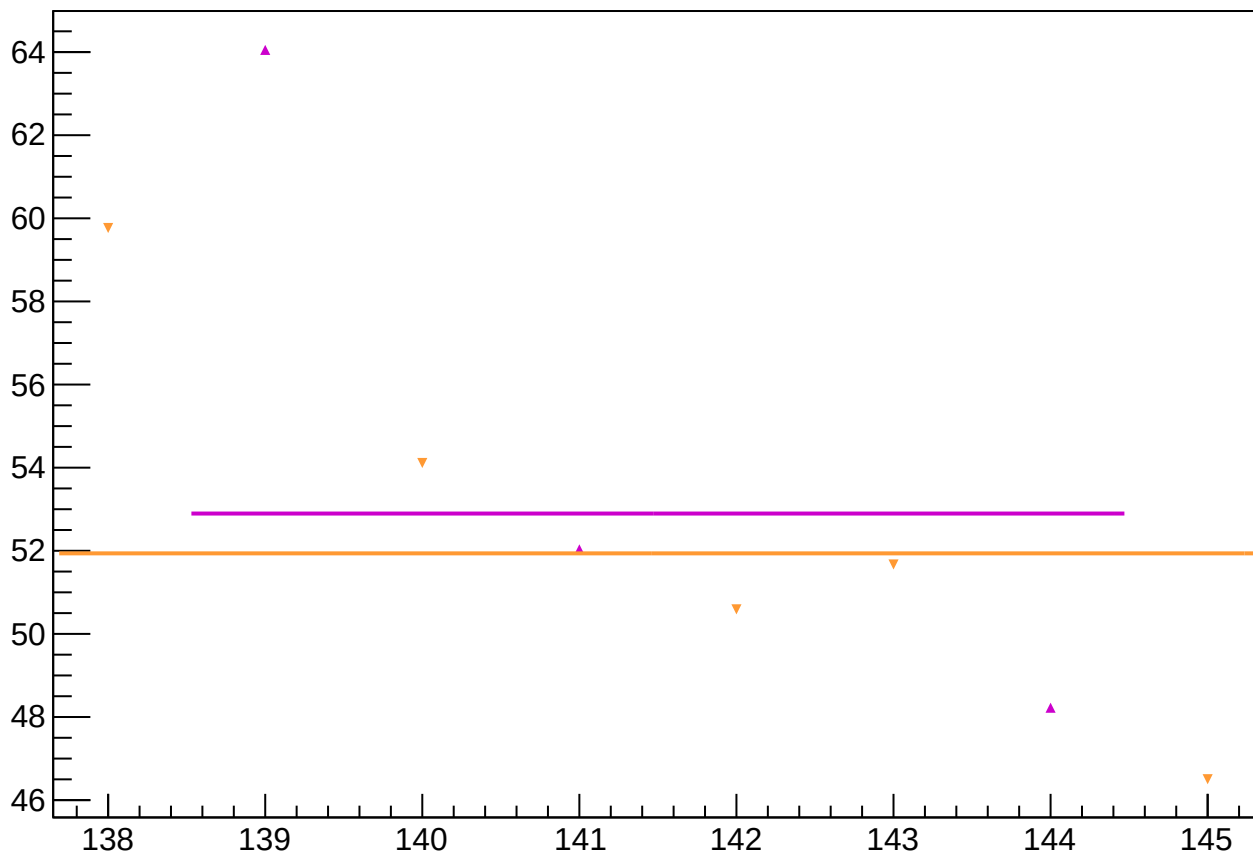
87.058 $\pm$ 28.611 χ^2 /NDF: 2.0/4

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

-38.694 $\pm$ 34.303 χ^2 /NDF: 1.5/2

Left In: -38.694 $\pm$ 34.303 χ^2 /NDF: 1.5/2

reg_asym_sam_1526_avg_rms vs Slug



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

51.938+/-0.020 χ^2/NDF : 48262.2/4

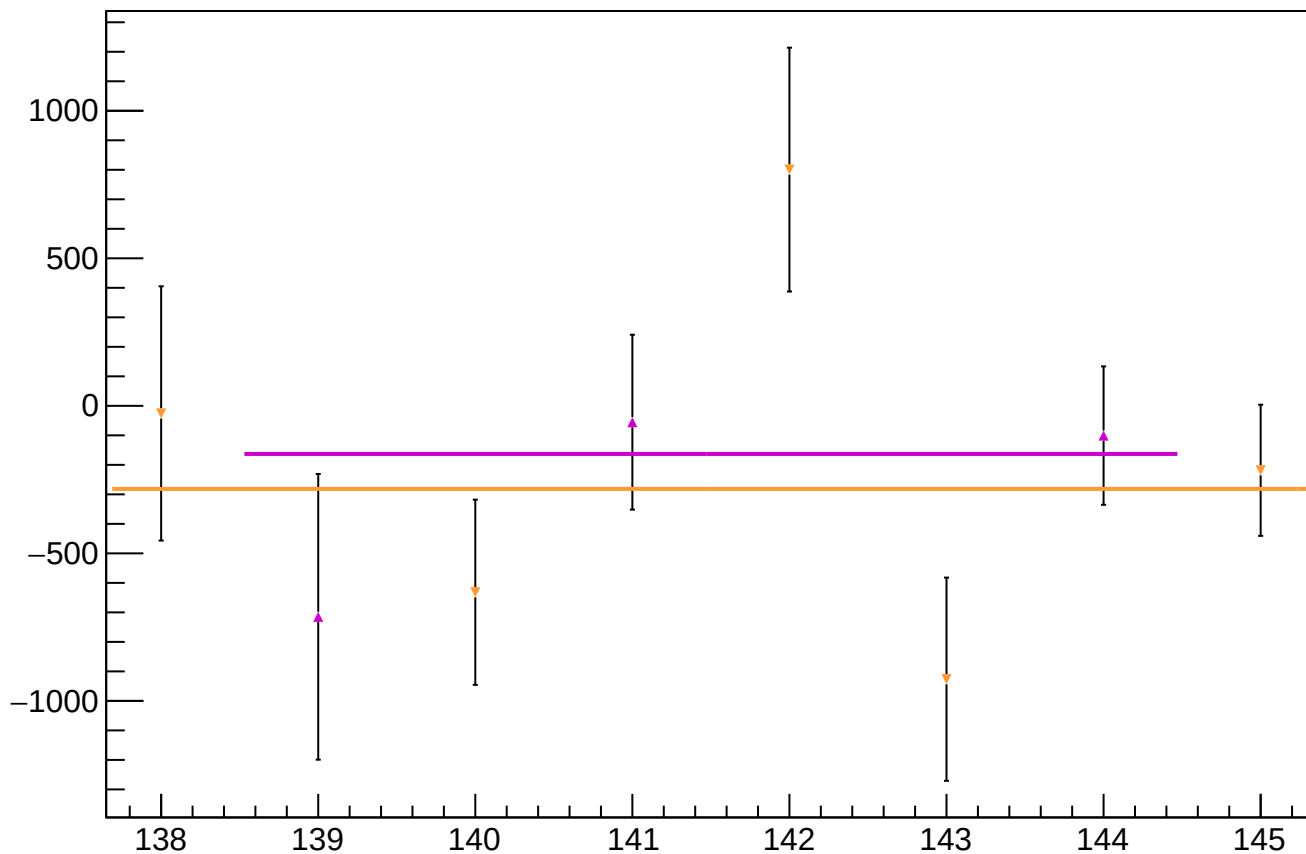
Left Out: 51.938+/-0.020 χ^2/NDF : 48262.2/4

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

52.896+/-0.024 χ^2/NDF : 60273.9/2

Left In: 52.896+/-0.024 χ^2/NDF : 60273.9/2

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -281.542+/-141.333 χ^2/NDF :12.0/4

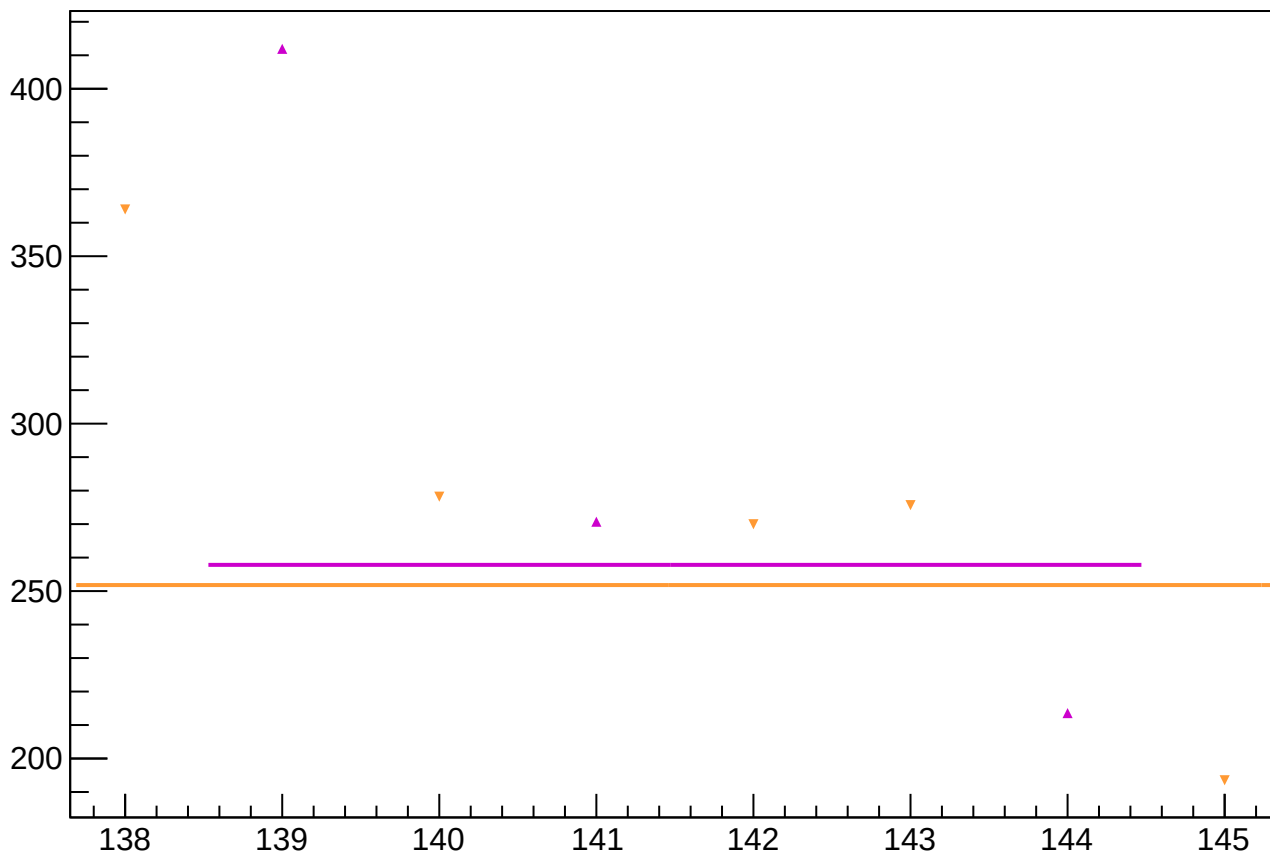
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -163.031+/-171.944 χ^2/NDF :1.5/2

-281.542+/-141.333 χ^2/NDF : 12.0/4

-163.031+/-171.944 χ^2/NDF : 1.5/2

asym_sam_1526_avg_correction_rms vs Slug



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

Left Out: 251.798+/-0.100 χ^2/NDF : 300681.9/4

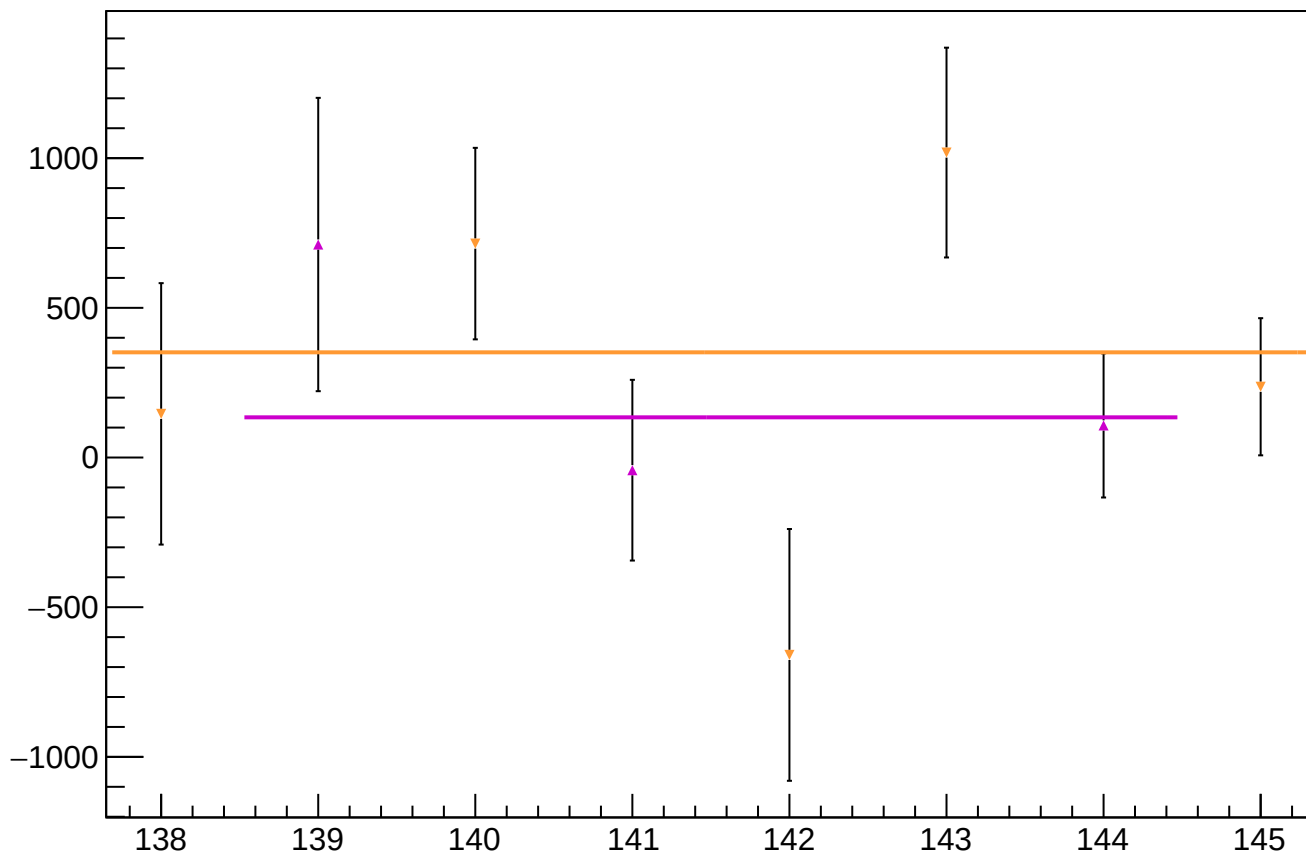
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 257.829+/-0.122 χ^2/NDF : 277658.6/2

251.798+/-0.100 χ^2/NDF : 300681.9/4

257.829+/-0.122 χ^2/NDF : 277658.6/2

asym_sam_1526_avg_mean vs Slug



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

Left Out: 351.383+/-144.533 χ^2/NDF : 11.2/4

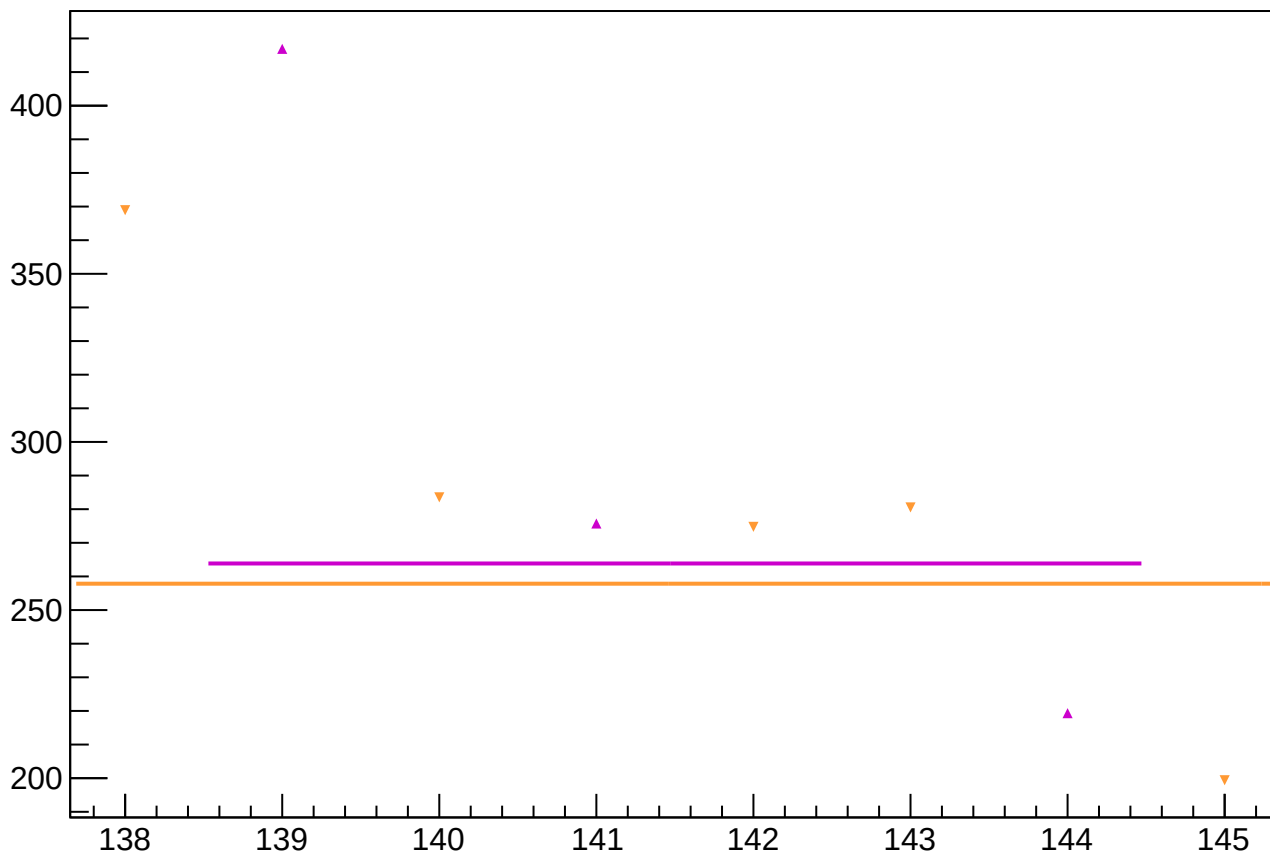
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 134.245+/-175.687 χ^2/NDF : 1.7/2

351.383+/-144.533 χ^2/NDF : 11.2/4

134.245+/-175.687 χ^2/NDF : 1.7/2

asym_sam_1526_avg_rms vs Slug



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

257.840+/-0.102 χ^2/NDF : 284140.6/4

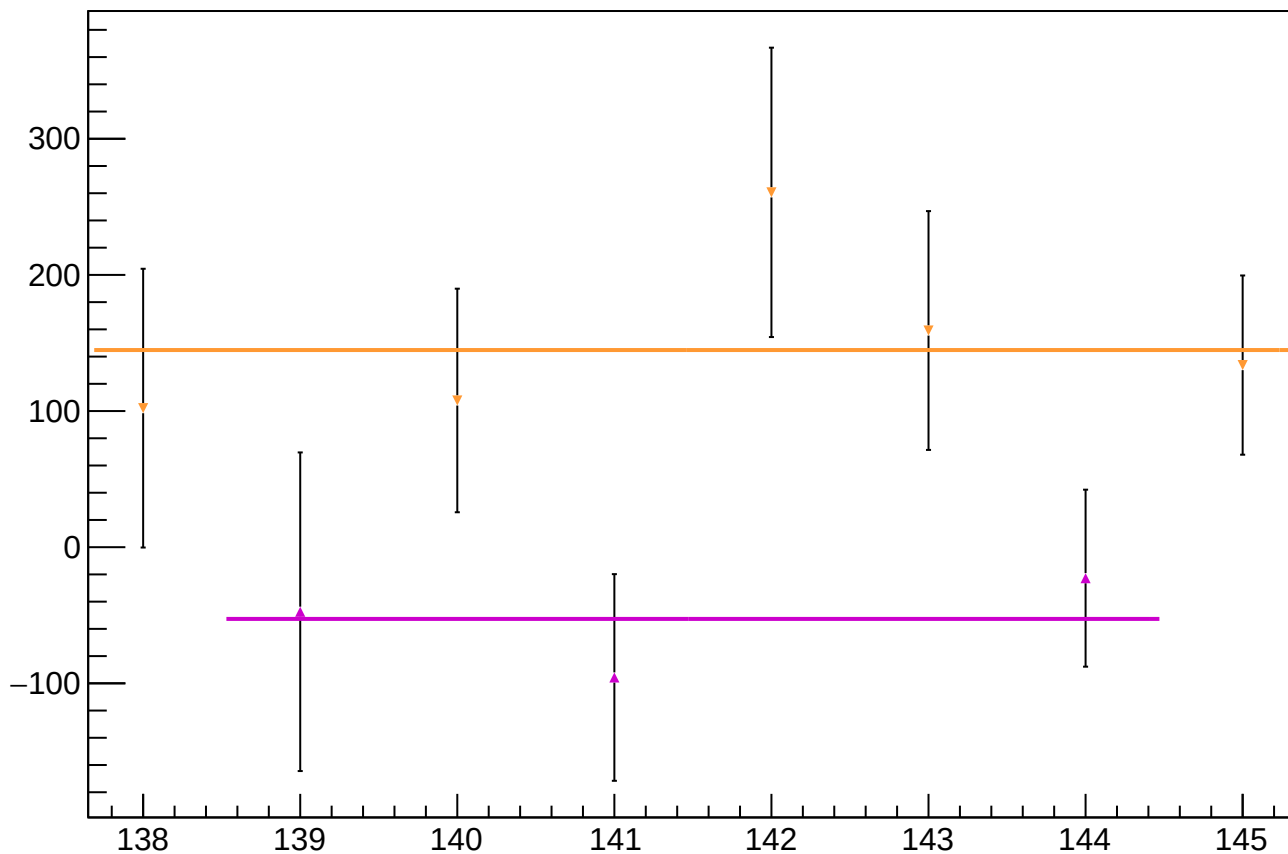
Left Out: 257.840+/-0.102 χ^2/NDF : 284140.6/4

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

263.853+/-0.124 χ^2/NDF : 266676.8/2

Left In: 263.853+/-0.124 χ^2/NDF : 266676.8/2

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 144.815+/-37.986 χ^2/NDF : 1.6/4

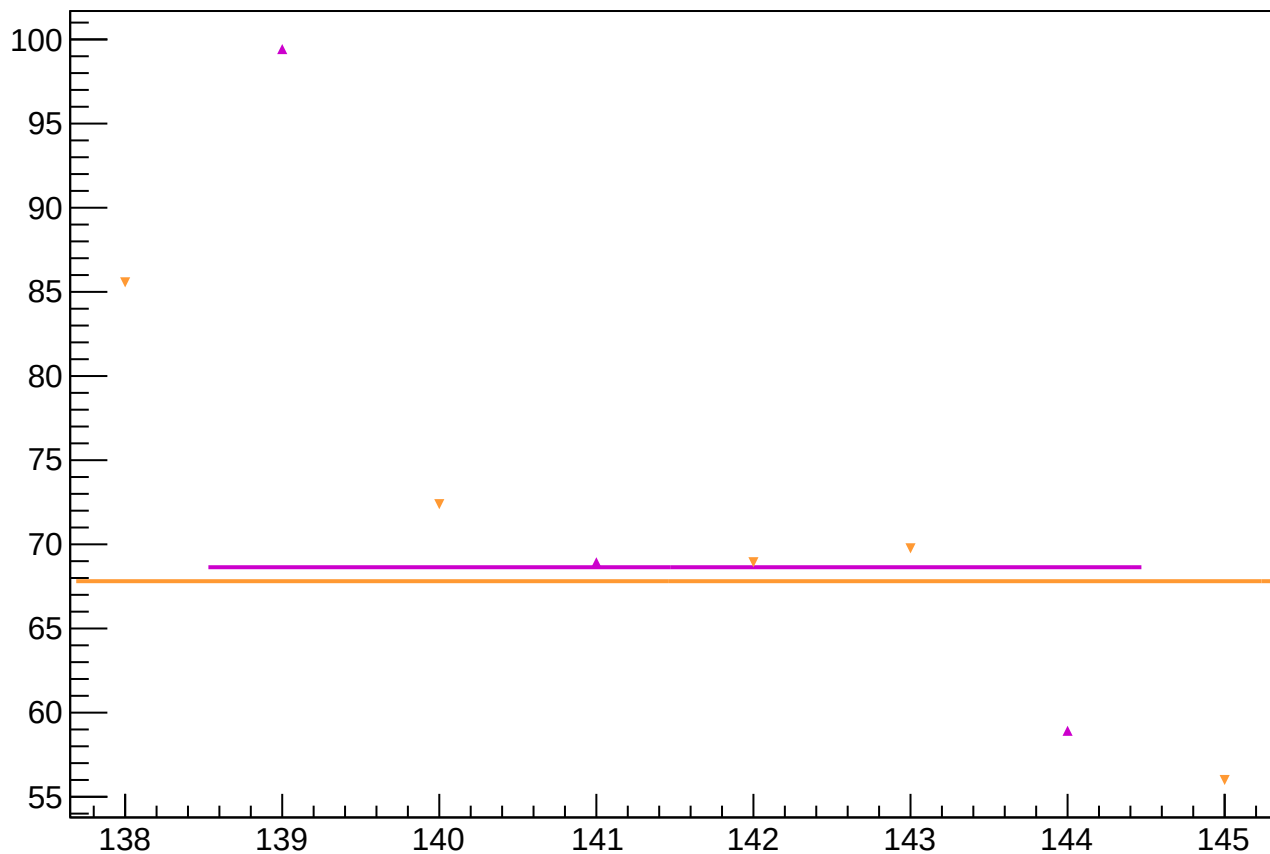
144.815+/-37.986 χ^2/NDF : 1.6/4

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

-52.685+/-45.490 χ^2/NDF : 0.5/2

Left In: -52.685+/-45.490 χ^2/NDF : 0.5/2

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 67.810+/-0.027 χ^2/NDF :132008.4/4

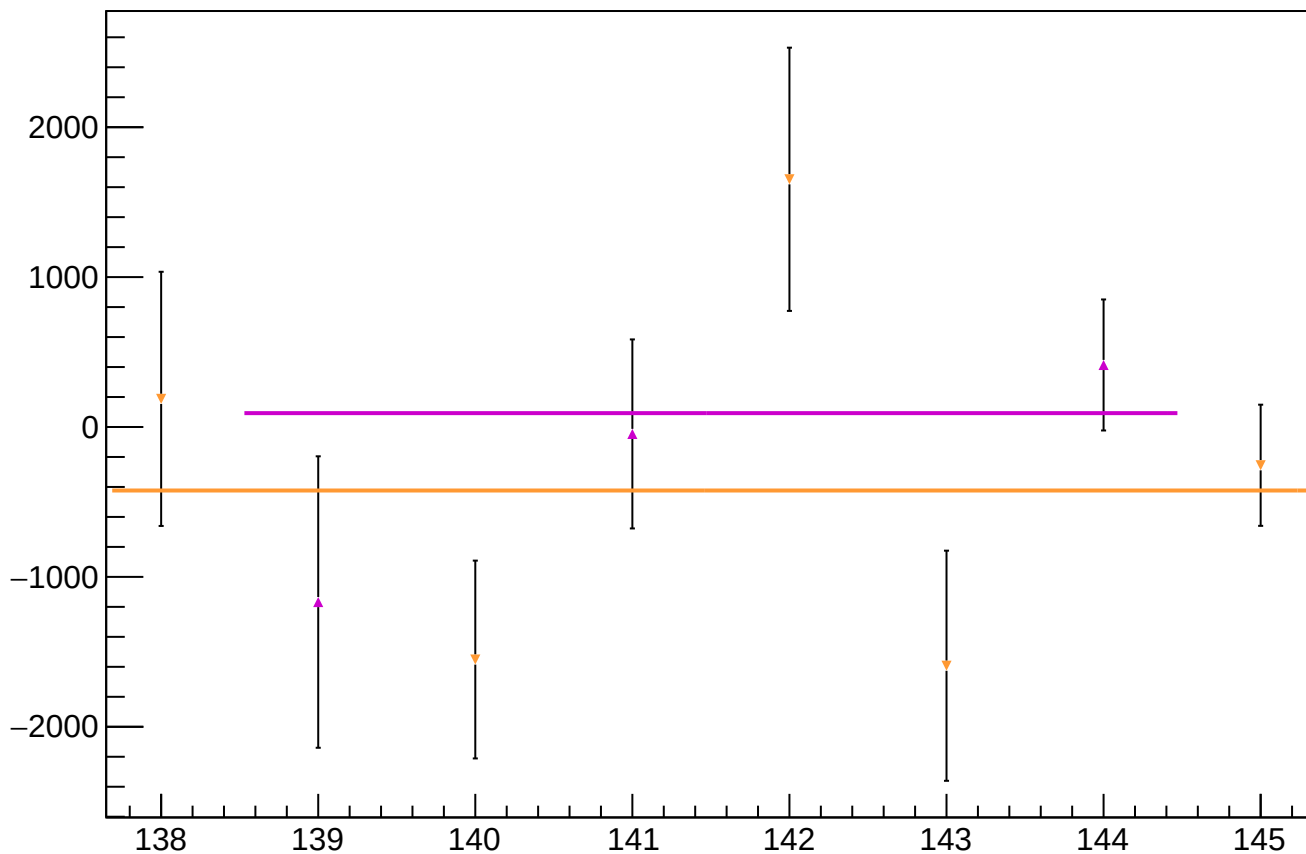
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 68.640+/-0.032 χ^2/NDF :183161.1/2

67.810+/-0.027 χ^2/NDF : 132008.4/4

68.640+/-0.032 χ^2/NDF : 183161.1/2

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -423.660+/-279.478 χ^2/NDF : 11.5/4

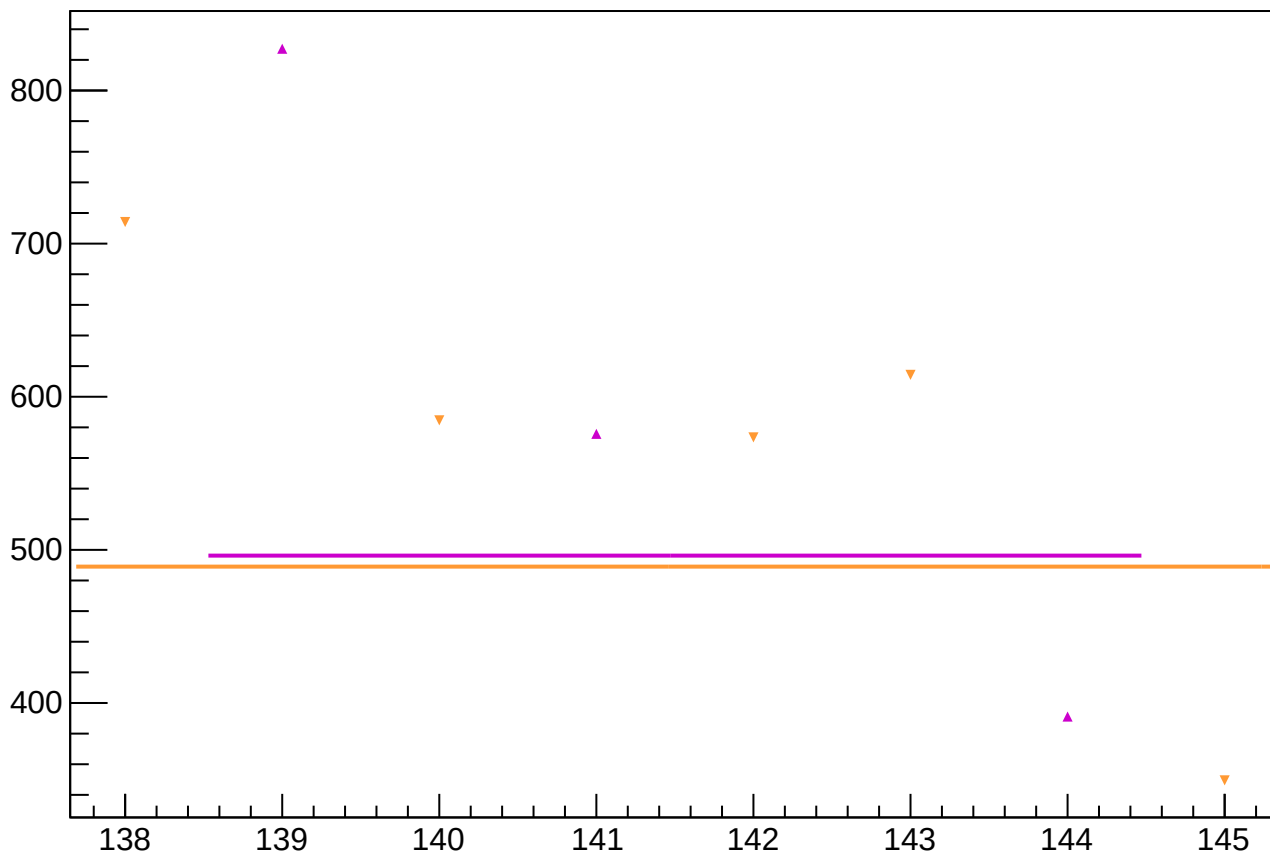
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 92.466+/-336.937 χ^2/NDF : 2.3/2

-423.660+/-279.478 χ^2/NDF : 11.5/4

92.466+/-336.937 χ^2/NDF : 2.3/2

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 489.063+/-0.198 χ^2/NDF : 493089.4/4

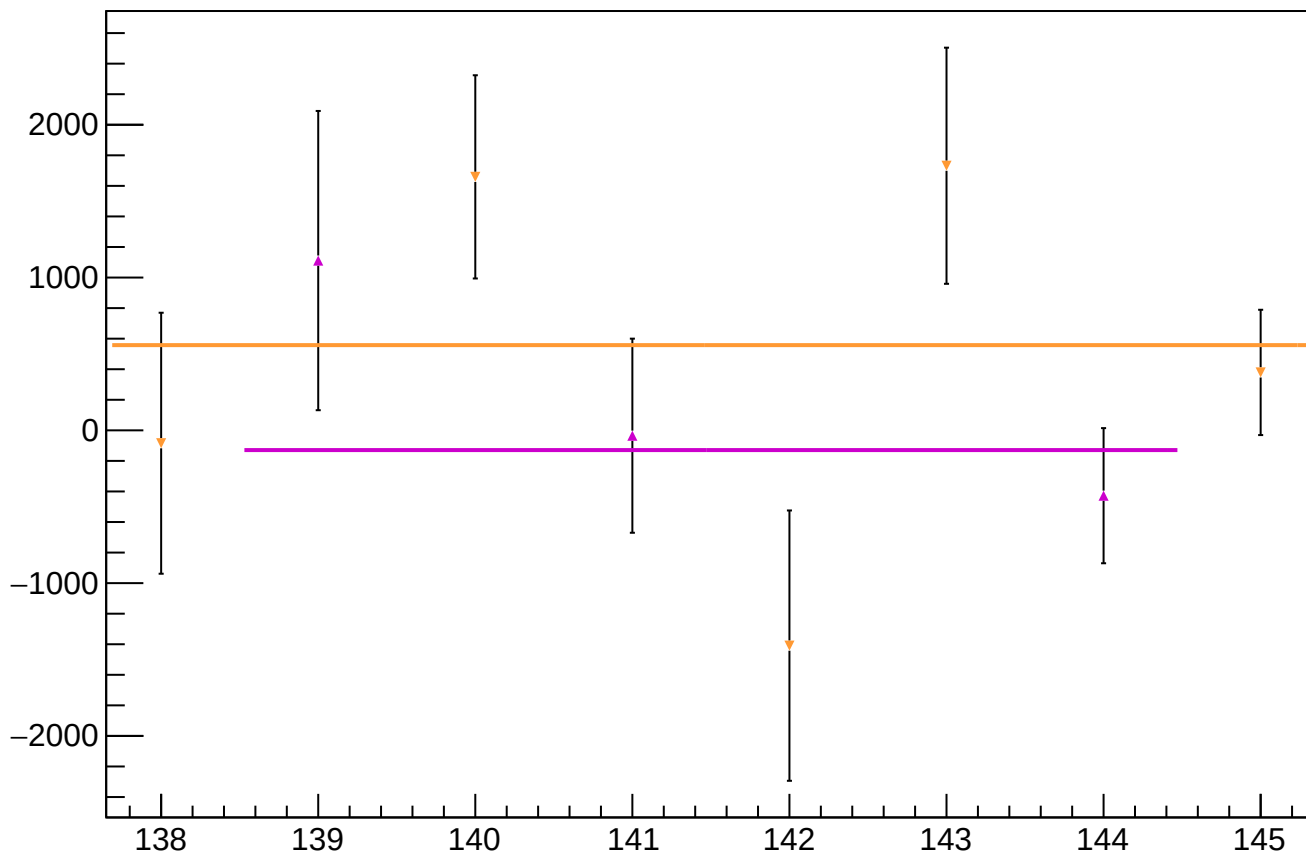
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 496.246+/-0.238 χ^2/NDF : 379357.3/2

489.063+/-0.198 χ^2/NDF : 493089.4/4

496.246+/-0.238 χ^2/NDF : 379357.3/2

asym_sam_3726_avg_mean vs Slug



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

Left Out: 557.728+/-282.477 χ^2/NDF : 10.7/4

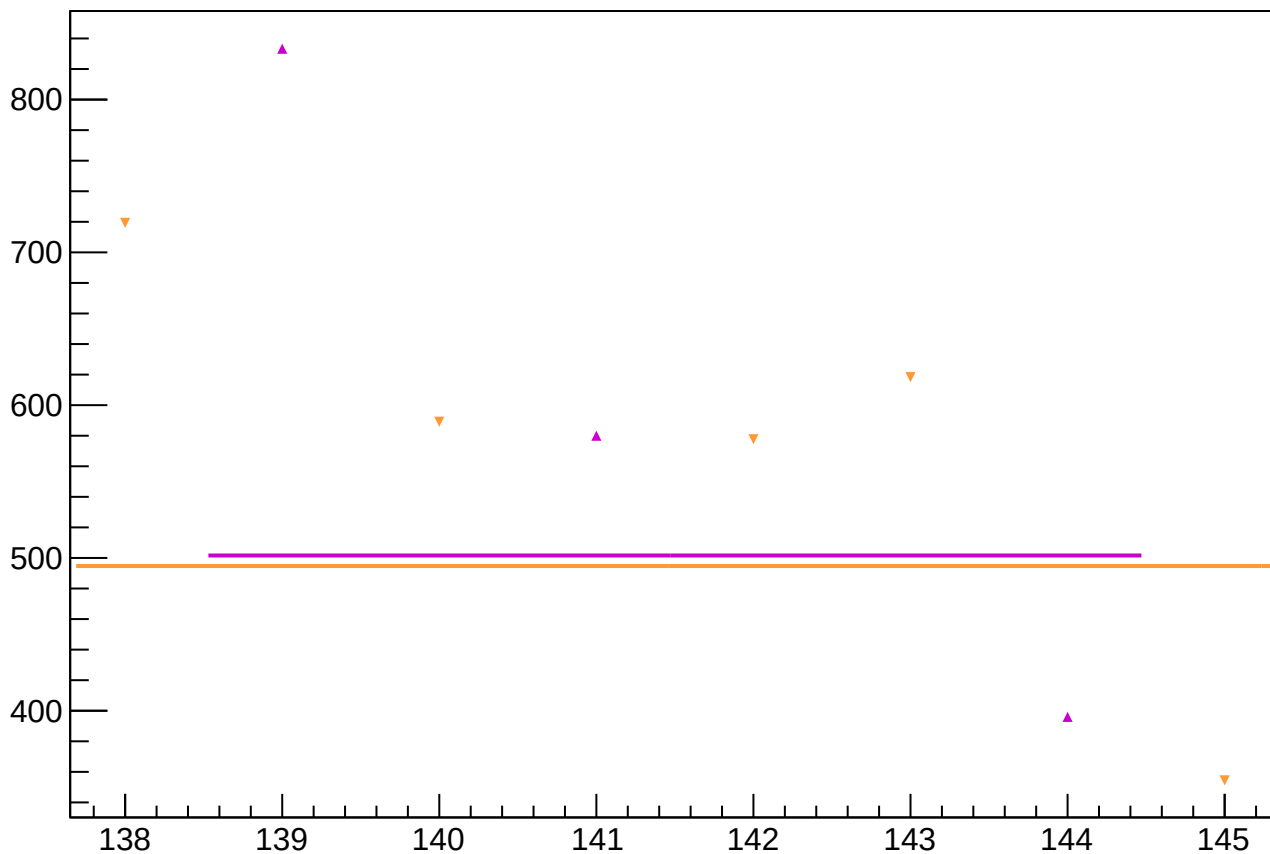
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -129.164+/-340.331 χ^2/NDF : 2.1/2

557.728+/-282.477 χ^2/NDF : 10.7/4

-129.164+/-340.331 χ^2/NDF : 2.1/2

asym_sam_3726_avg_rms vs Slug



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

Left Out: 494.726+/-0.200 χ^2/NDF : 481498.2/4

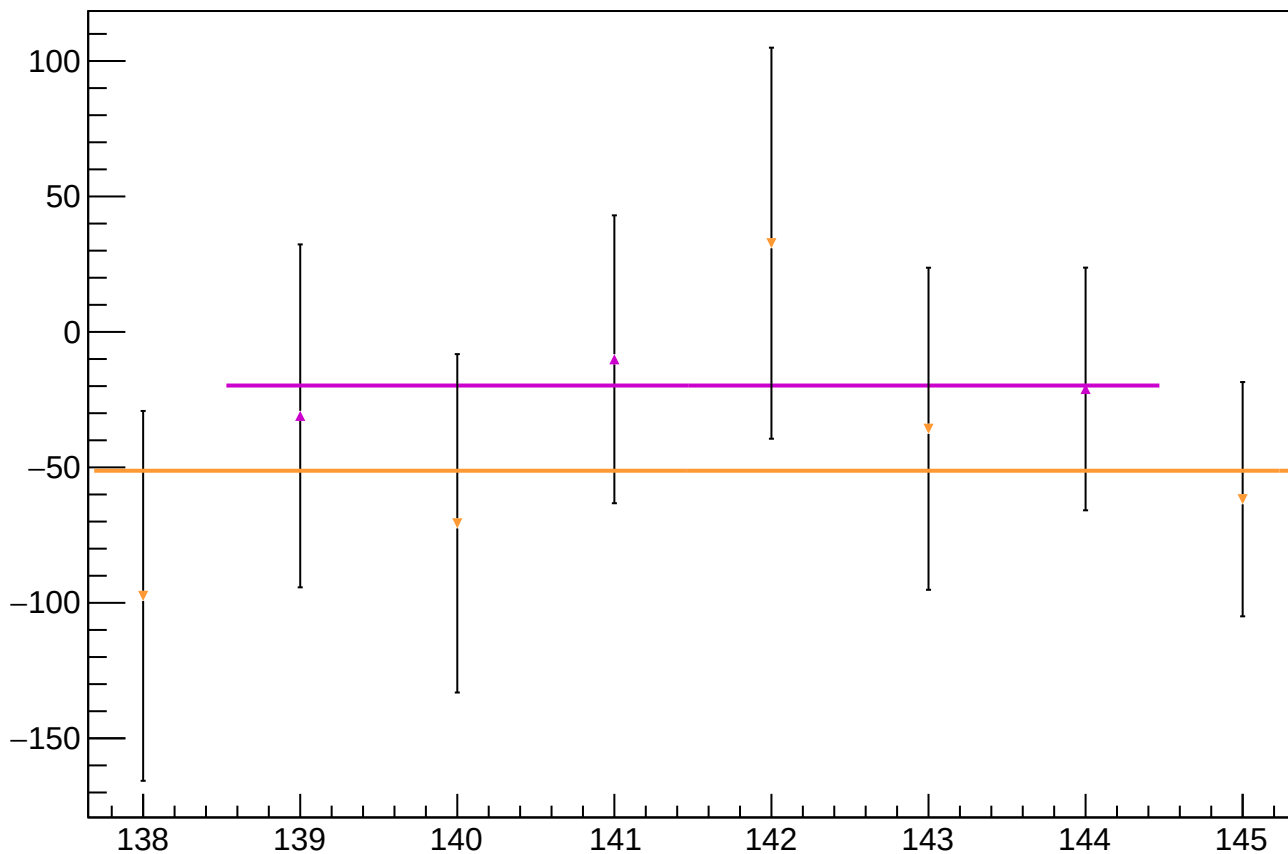
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 501.621+/-0.241 χ^2/NDF : 373959.3/2

494.726+/-0.200 χ^2/NDF : 481498.2/4

501.621+/-0.241 χ^2/NDF : 373959.3/2

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -51.236+/-25.986 χ^2/NDF : 2.0/4

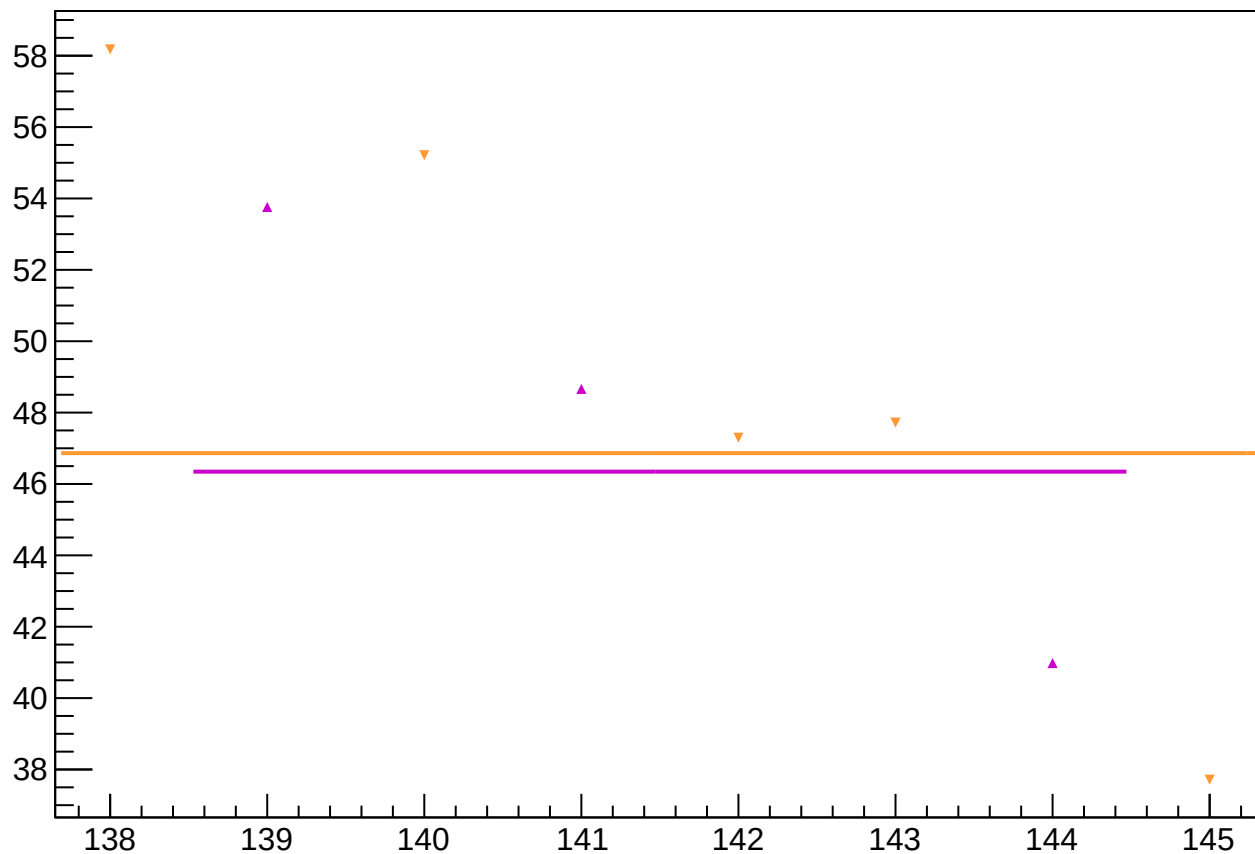
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -19.785+/-30.120 χ^2/NDF : 0.1/2

-51.236+/-25.986 χ^2/NDF : 2.0/4

-19.785+/-30.120 χ^2/NDF : 0.1/2

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 46.864+/-0.018 χ^2/NDF : 180717.1/4

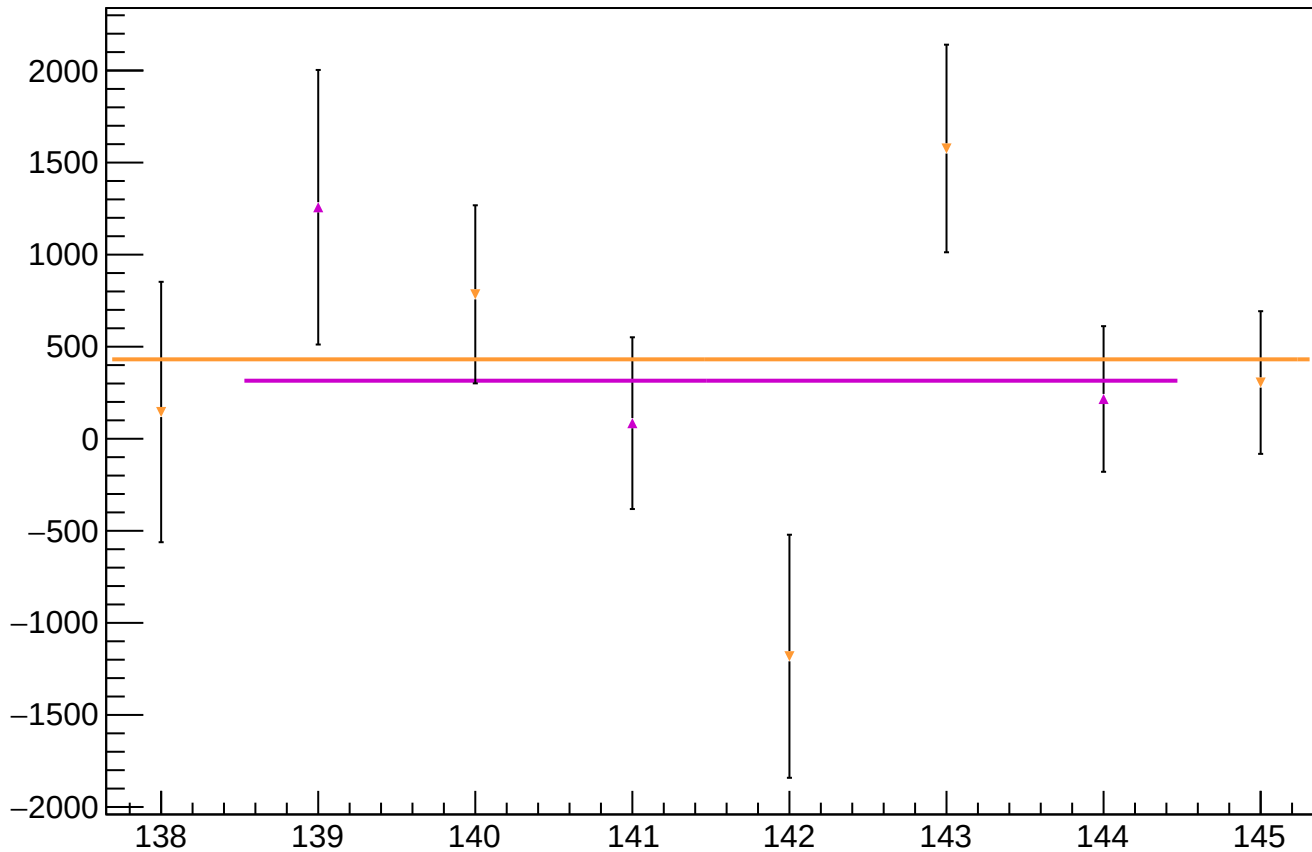
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 46.345+/-0.021 χ^2/NDF : 59945.6/2

46.864+/-0.018 χ^2/NDF : 180717.1/4

46.345+/-0.021 χ^2/NDF : 59945.6/2

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 431.357 $\pm$ 233.263 χ^2 /NDF:10.9/4

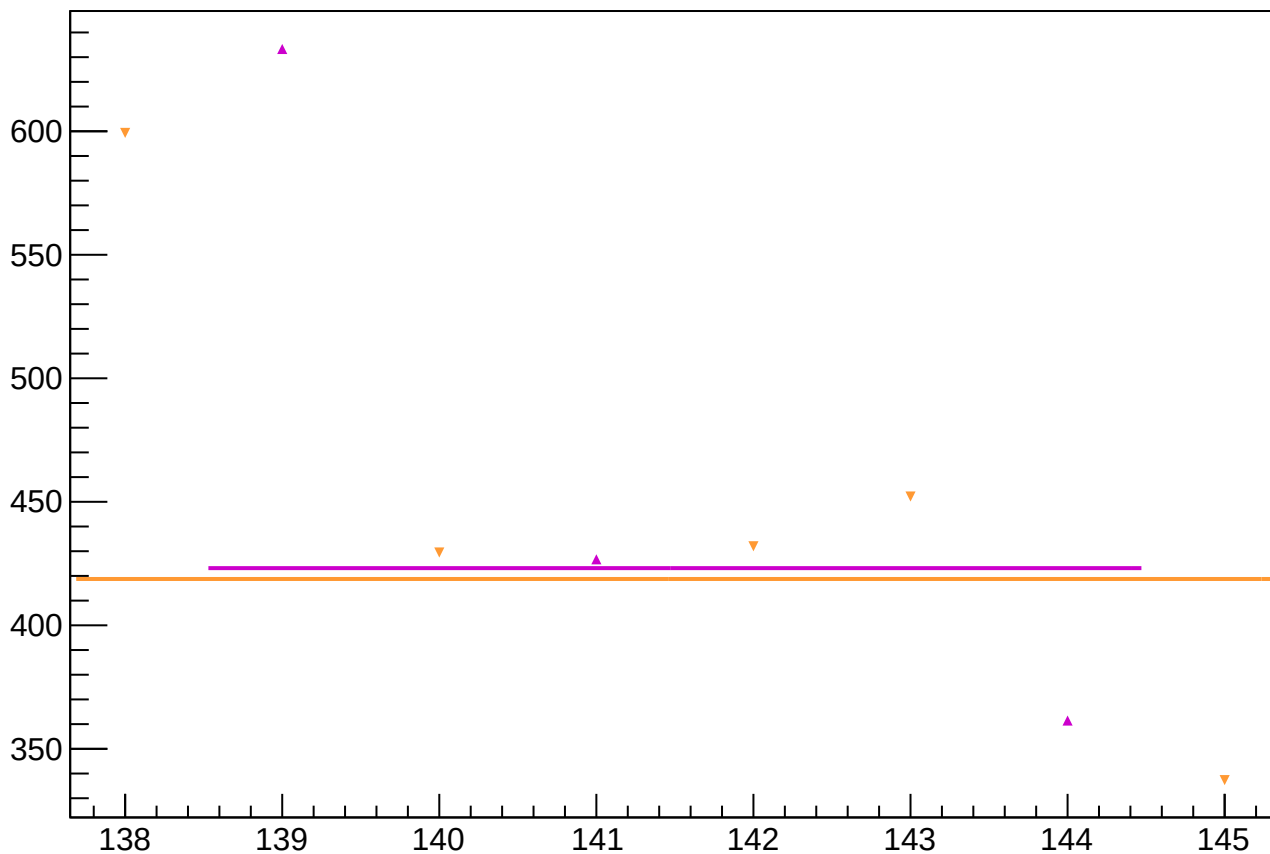
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 315.293 $\pm$ 279.630 χ^2 /NDF:1.9/2

431.357 $\pm$ 233.263 χ^2 /NDF: 10.9/4

315.293 $\pm$ 279.630 χ^2 /NDF: 1.9/2

asym_sam_15_48_dd_correction_rms vs Slug



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

Left Out: 418.760+/-0.165 χ^2/NDF : 227556.6/4

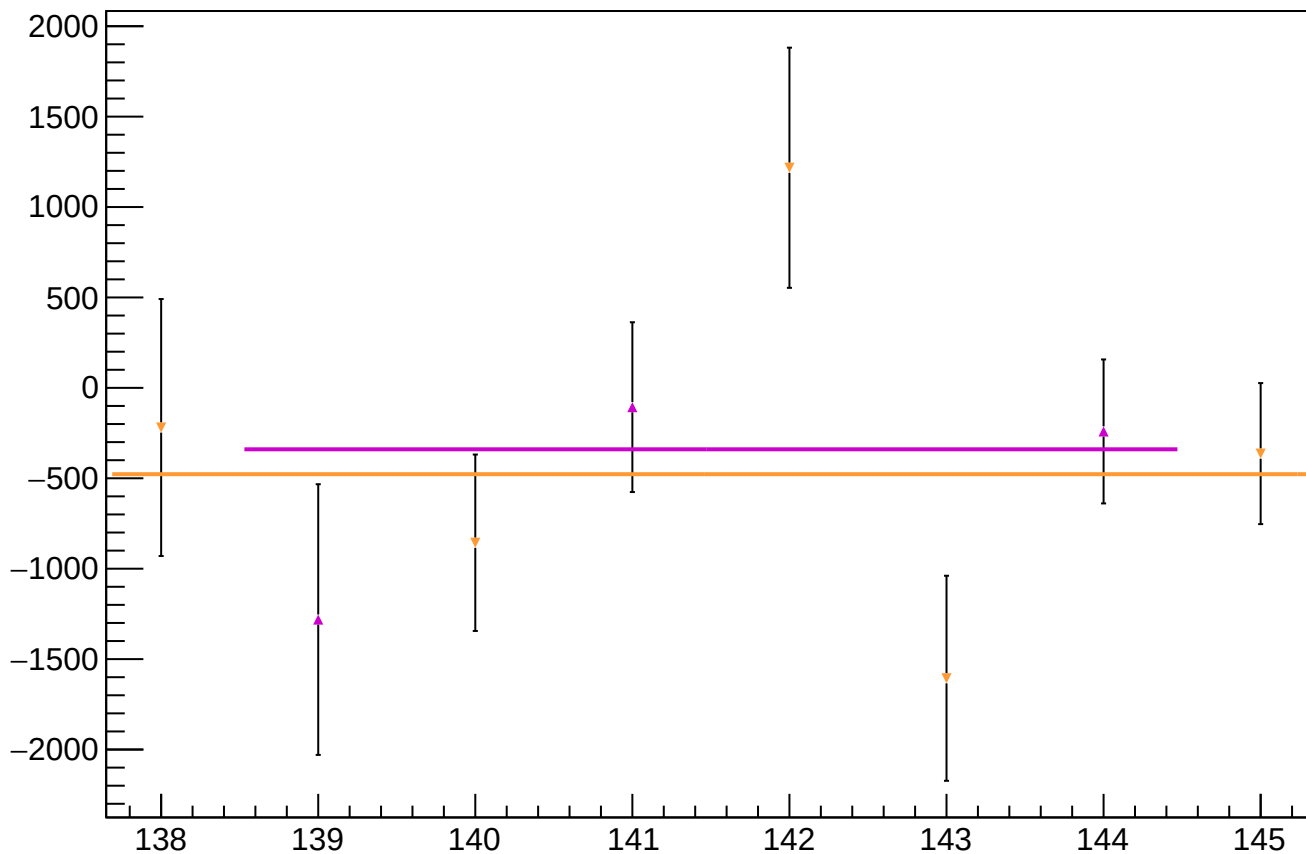
418.760+/-0.165 χ^2/NDF : 227556.6/4

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

423.152+/-0.198 χ^2/NDF : 207680.5/2

Left In: 423.152+/-0.198 χ^2/NDF : 207680.5/2

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -477.423+/-234.795 χ^2/NDF : 11.3/4

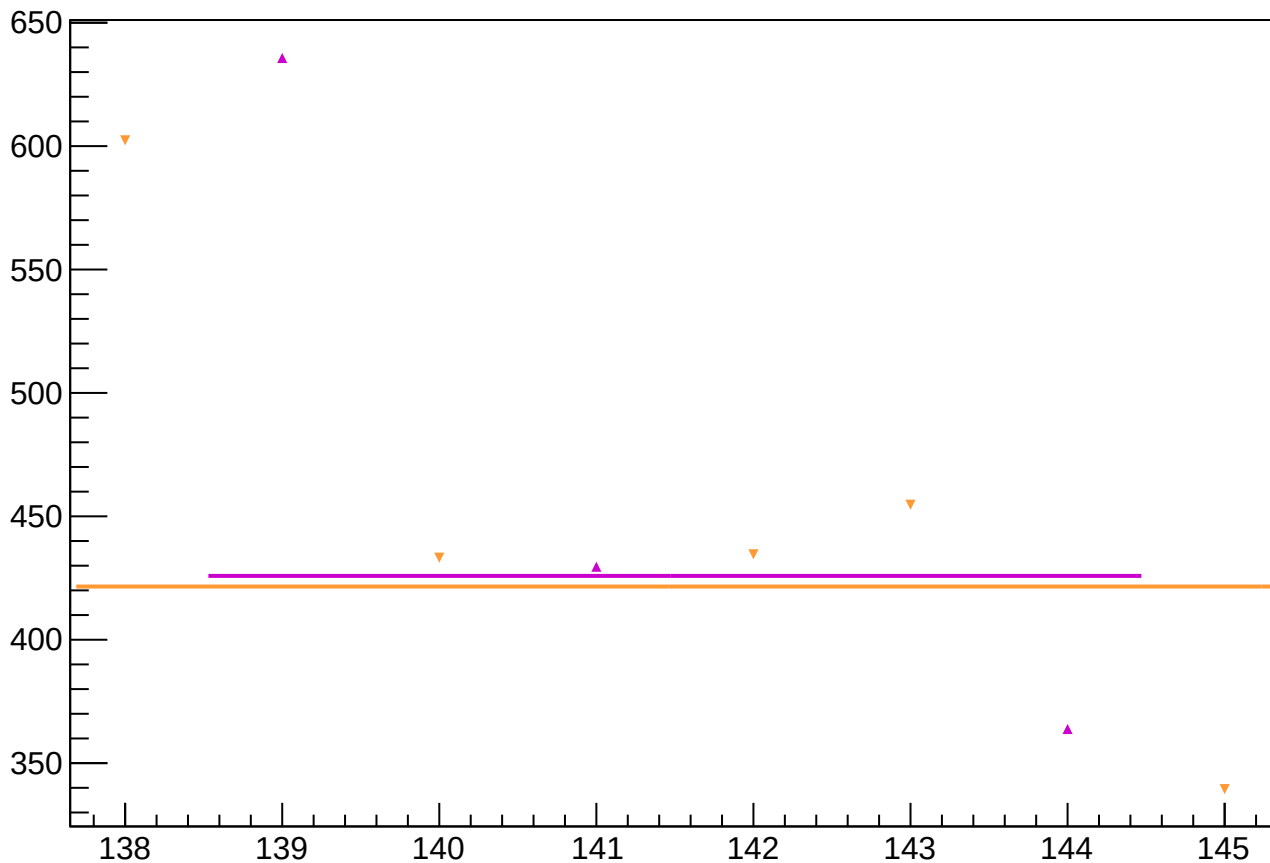
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -339.738+/-281.358 χ^2/NDF : 1.9/2

-477.423+/-234.795 χ^2/NDF : 11.3/4

-339.738+/-281.358 χ^2/NDF : 1.9/2

asym_sam_15_48_dd_rms vs Slug



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

Left Out: 421.556+/-0.166 χ^2/NDF : 226859.4/4

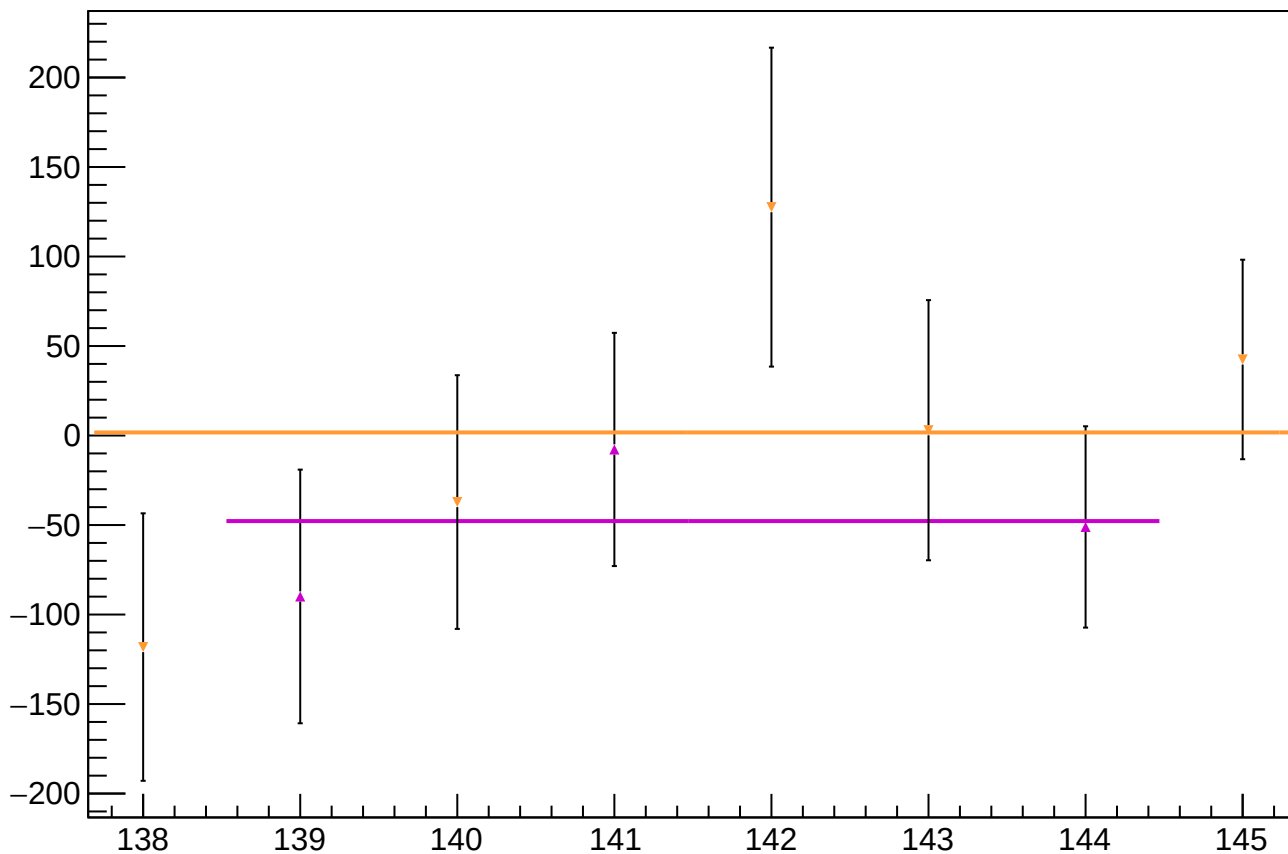
421.556+/-0.166 χ^2/NDF : 226859.4/4

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

425.869+/-0.199 χ^2/NDF : 205927.1/2

Left In: 425.869+/-0.199 χ^2/NDF : 205927.1/2

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: 1.722+/-31.377 χ^2/NDF : 5.4/4

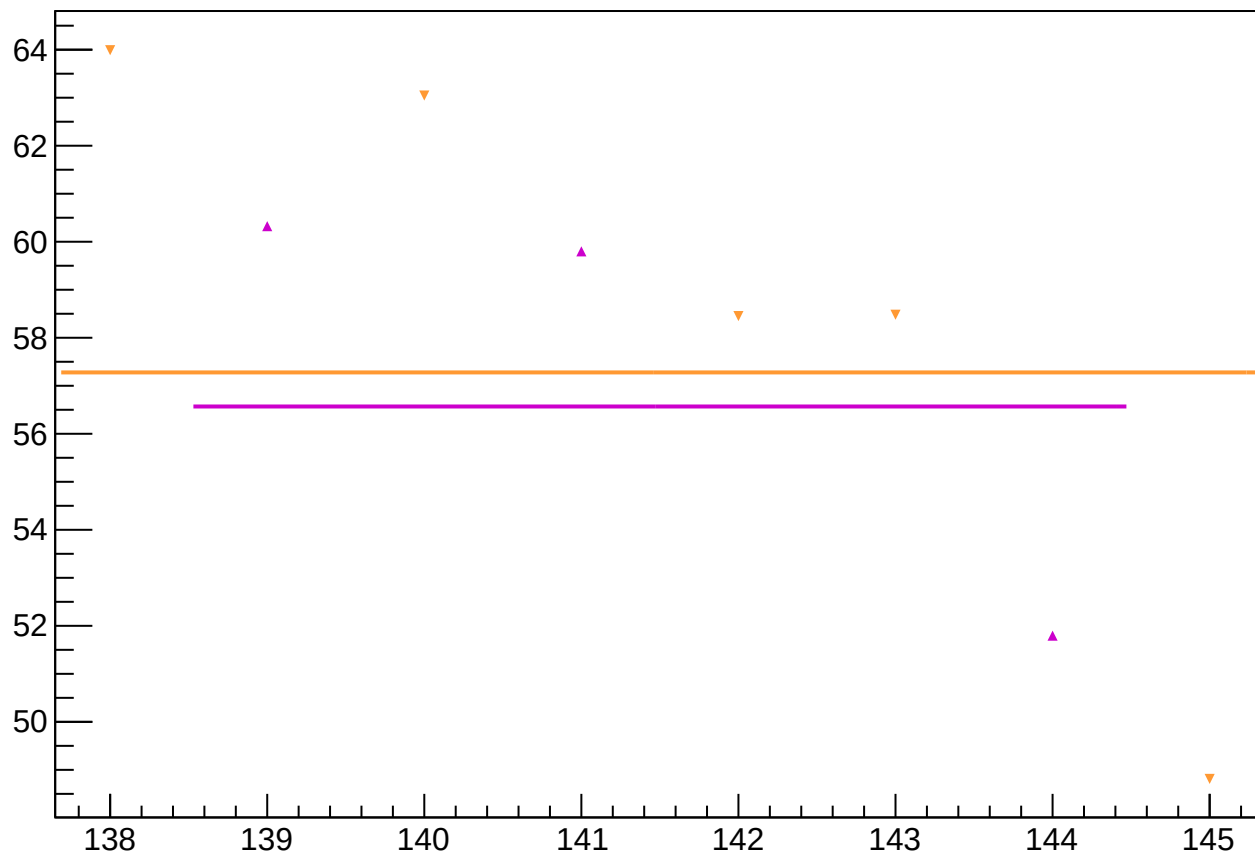
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -47.784+/-36.487 χ^2/NDF : 0.7/2

1.722+/-31.377 χ^2/NDF : 5.4/4

-47.784+/-36.487 χ^2/NDF : 0.7/2

reg_asym_sam_37_48_dd_rms vs Slug



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

Left Out: 57.278+/-0.022 χ^2/NDF : 76450.4/4

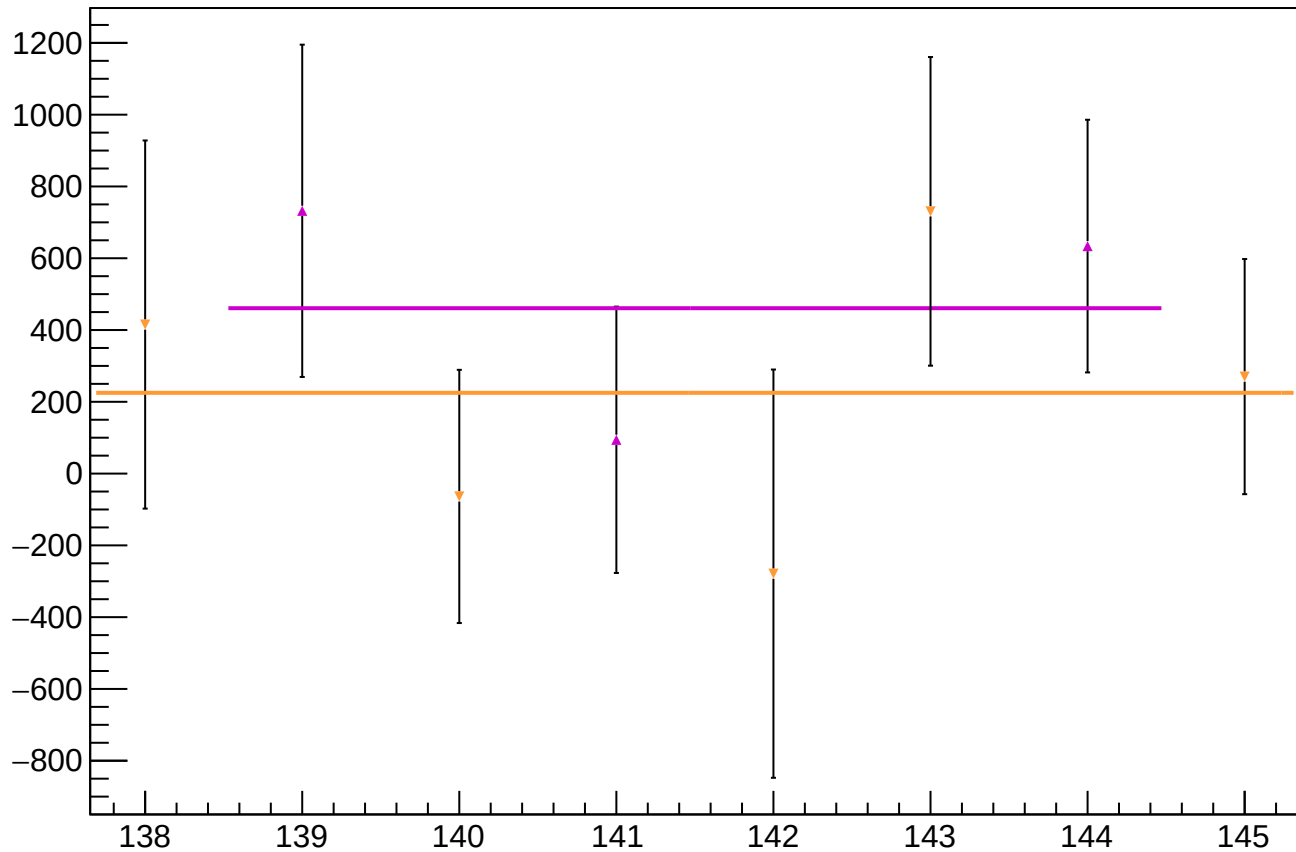
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 56.569+/-0.026 χ^2/NDF : 24953.4/2

57.278+/-0.022 χ^2/NDF : 76450.4/4

56.569+/-0.026 χ^2/NDF : 24953.4/2

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 225.073 $\pm$ 183.624 χ^2 /NDF: 3.0/4

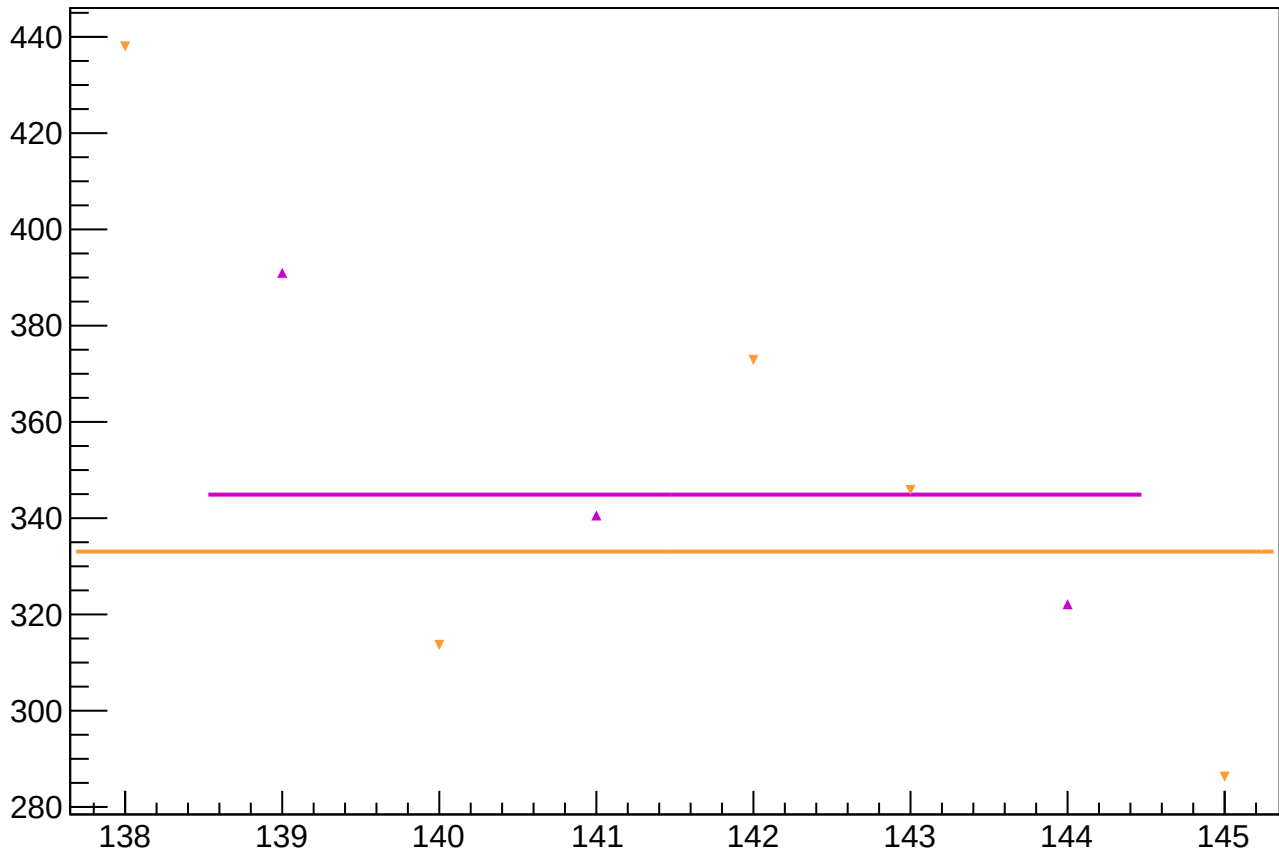
225.073 $\pm$ 183.624 χ^2 /NDF: 3.0/4

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

460.786 $\pm$ 223.593 χ^2 /NDF: 1.6/2

Left In: 460.786 $\pm$ 223.593 χ^2 /NDF: 1.6/2

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 333.054+/-0.130 χ^2/NDF : 142163.7/4

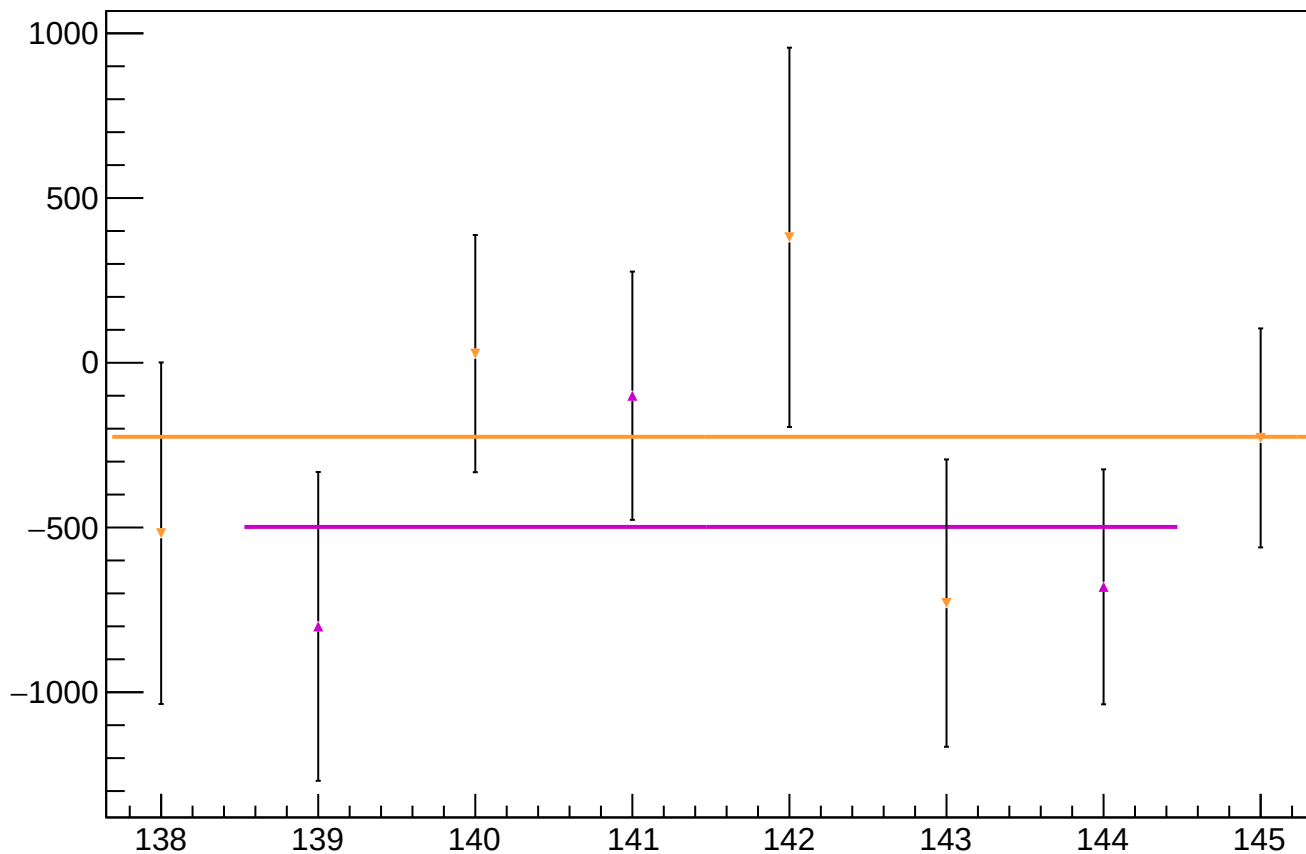
333.054+/-0.130 χ^2/NDF : 142163.7/4

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

344.894+/-0.158 χ^2/NDF : 28470.1/2

Left In: 344.894+/-0.158 χ^2/NDF : 28470.1/2

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -224.670+/-186.455 χ^2/NDF : 3.3/4

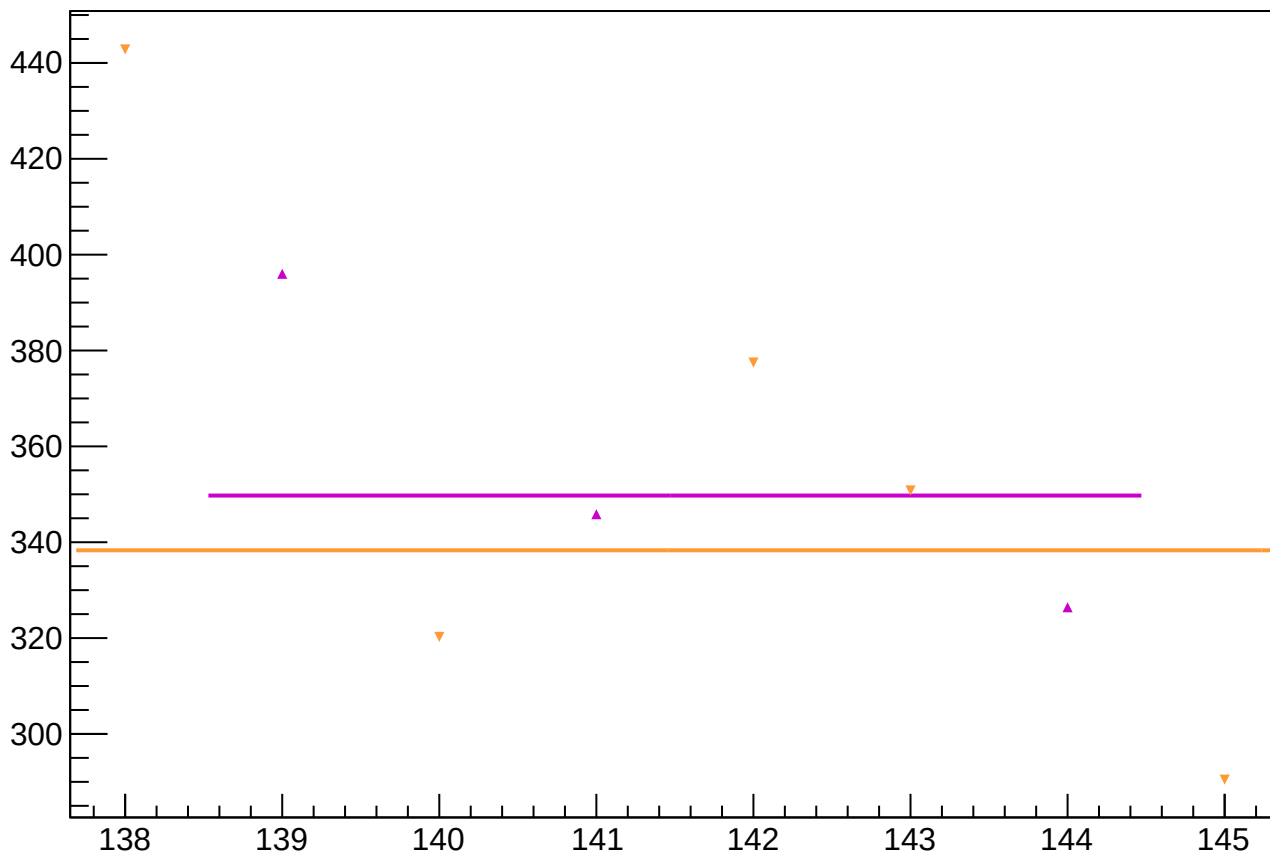
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -498.204+/-226.675 χ^2/NDF : 1.8/2

-224.670+/-186.455 χ^2/NDF : 3.3/4

-498.204+/-226.675 χ^2/NDF : 1.8/2

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 338.314+/-0.132 χ^2/NDF :138688.6/4

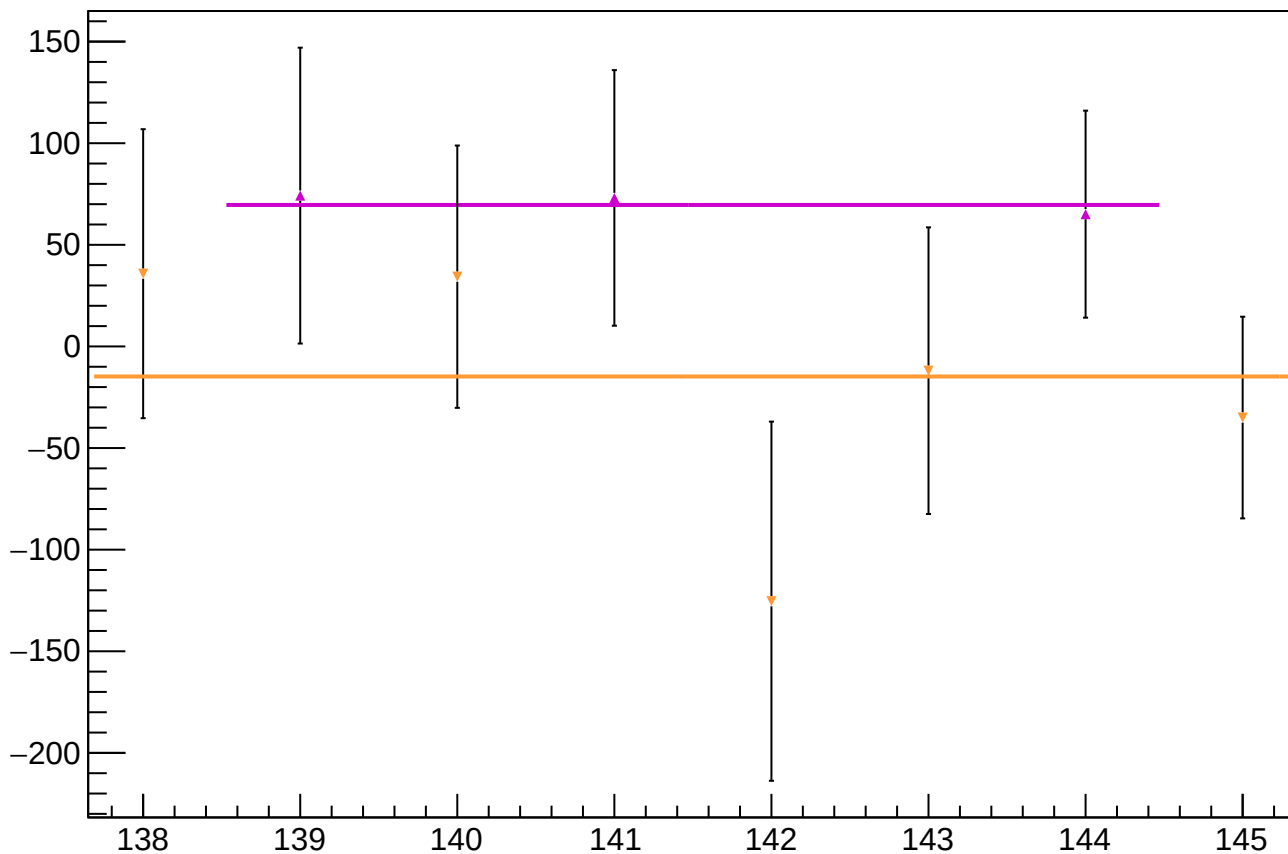
338.314+/-0.132 χ^2/NDF : 138688.6/4

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

349.739+/-0.160 χ^2/NDF : 28256.1/2

Left In: 349.739+/-0.160 χ^2/NDF :28256.1/2

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: -14.784+/-29.196 χ^2/NDF : 2.8/4

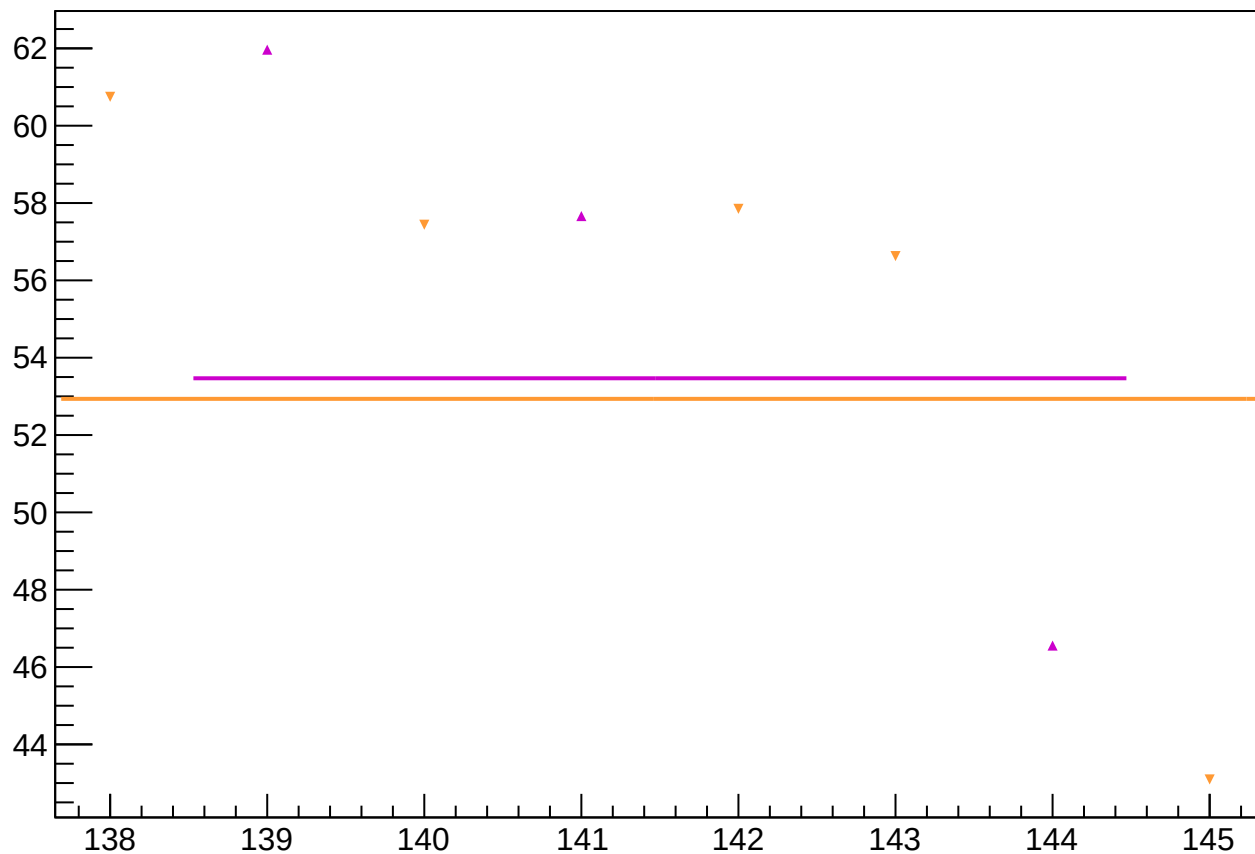
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 69.617+/-34.771 χ^2/NDF : 0.0/2

-14.784+/-29.196 χ^2/NDF : 2.8/4

69.617+/-34.771 χ^2/NDF : 0.0/2

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 52.936+/-0.021 χ^2/NDF : 124240.4/4

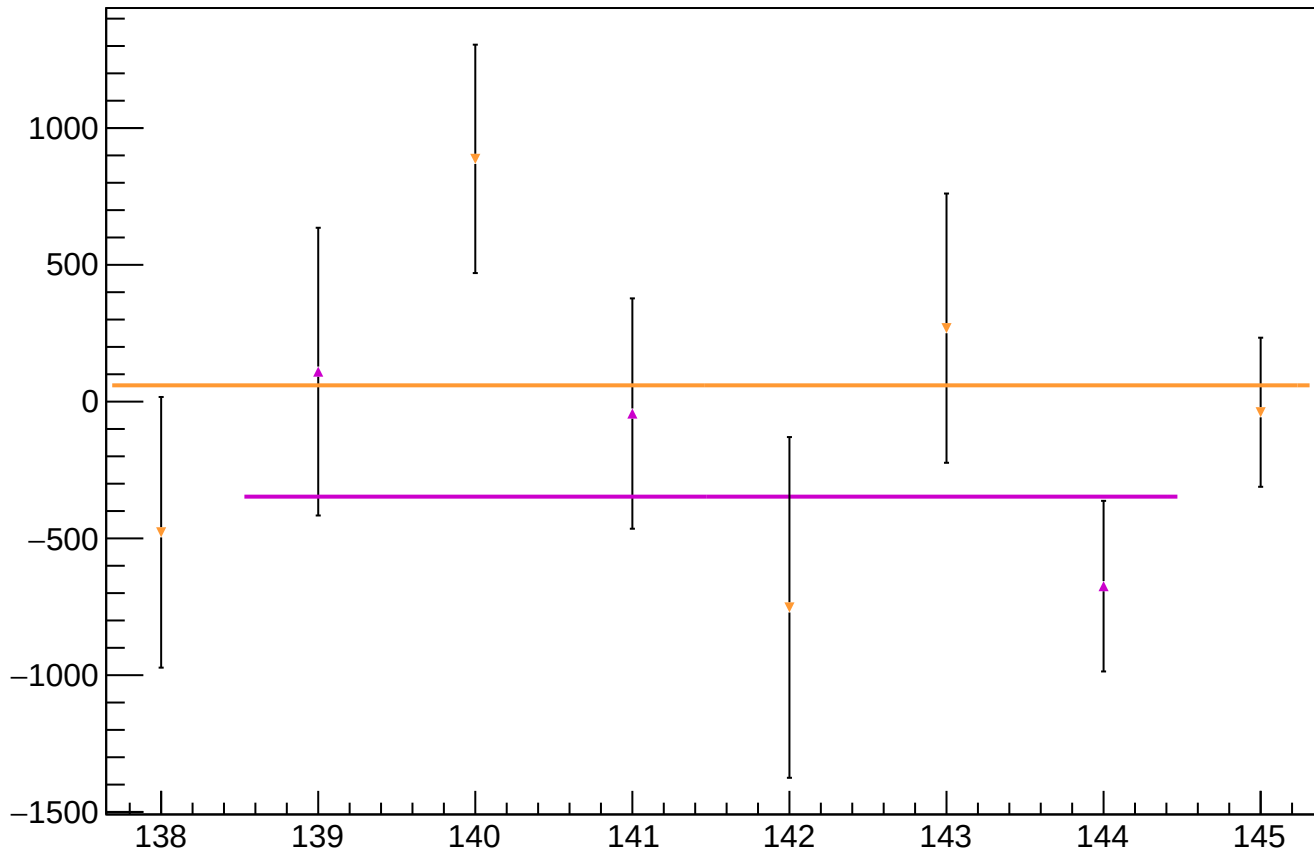
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 53.468+/-0.025 χ^2/NDF : 73002.1/2

52.936+/-0.021 χ^2/NDF : 124240.4/4

53.468+/-0.025 χ^2/NDF : 73002.1/2

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 59.542+/-182.584 χ^2/NDF : 7.1/4

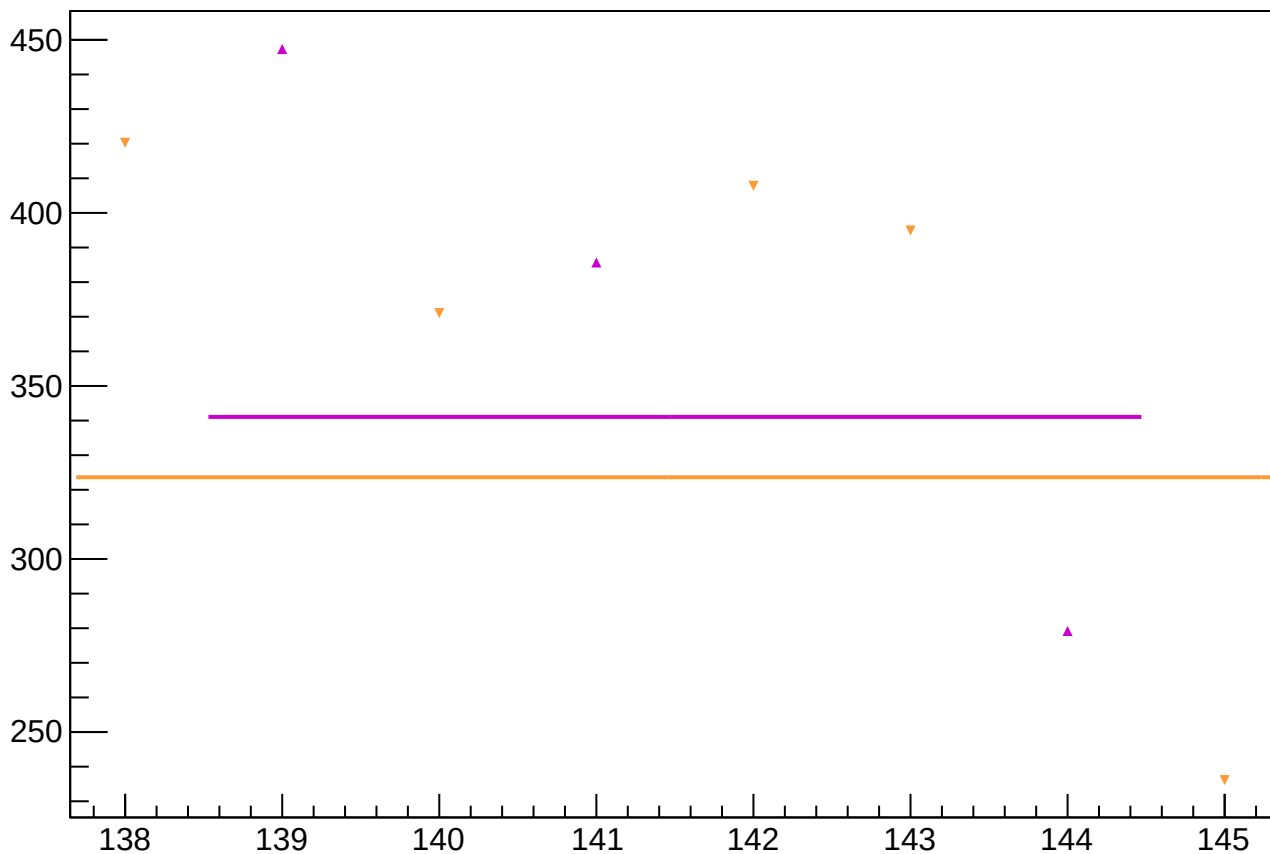
59.542+/-182.584 χ^2/NDF : 7.1/4

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

-347.356+/-226.219 χ^2/NDF : 2.4/2

Left In: -347.356+/-226.219 χ^2/NDF : 2.4/2

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 323.621+/-0.129 χ^2/NDF : 386894.3/4

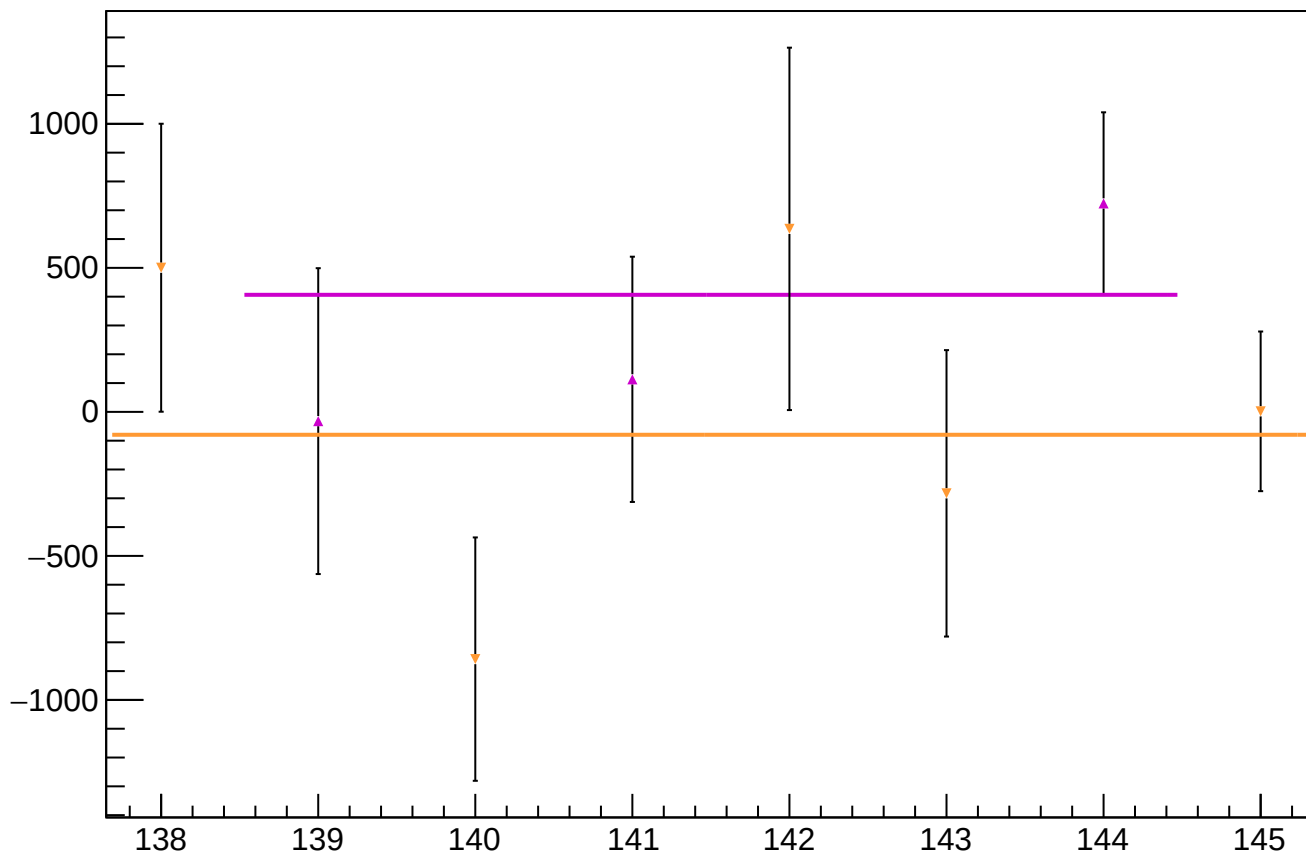
323.621+/-0.129 χ^2/NDF : 386894.3/4

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

341.055+/-0.160 χ^2/NDF : 182898.9/2

Left In: 341.055+/-0.160 χ^2/NDF : 182898.9/2

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -79.470 $\pm$ 185.061 χ^2 /NDF: 6.3/4

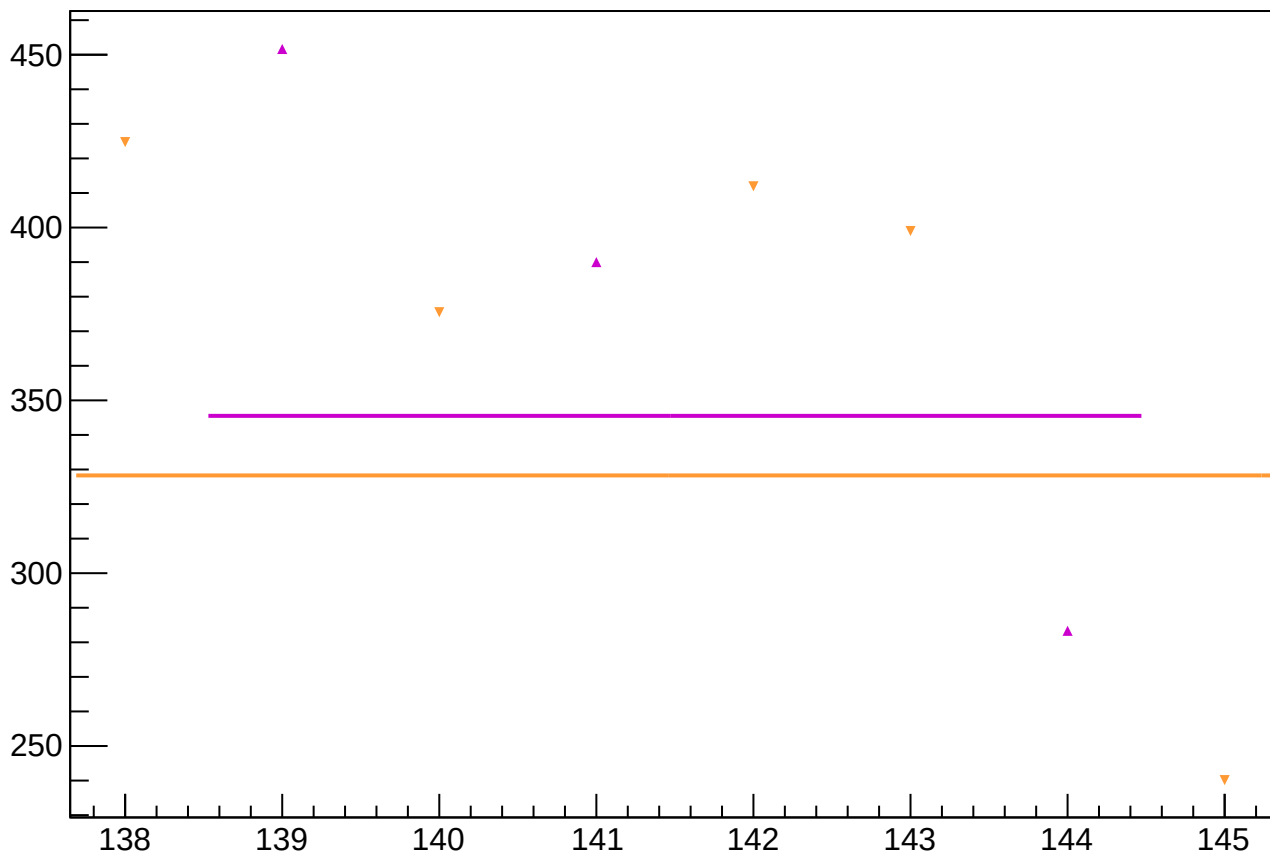
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 406.422 $\pm$ 229.024 χ^2 /NDF: 2.2/2

-79.470 $\pm$ 185.061 χ^2 /NDF: 6.3/4

406.422 $\pm$ 229.024 χ^2 /NDF: 2.2/2

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 328.284+/-0.131 χ^2/NDF : 377621.5/4

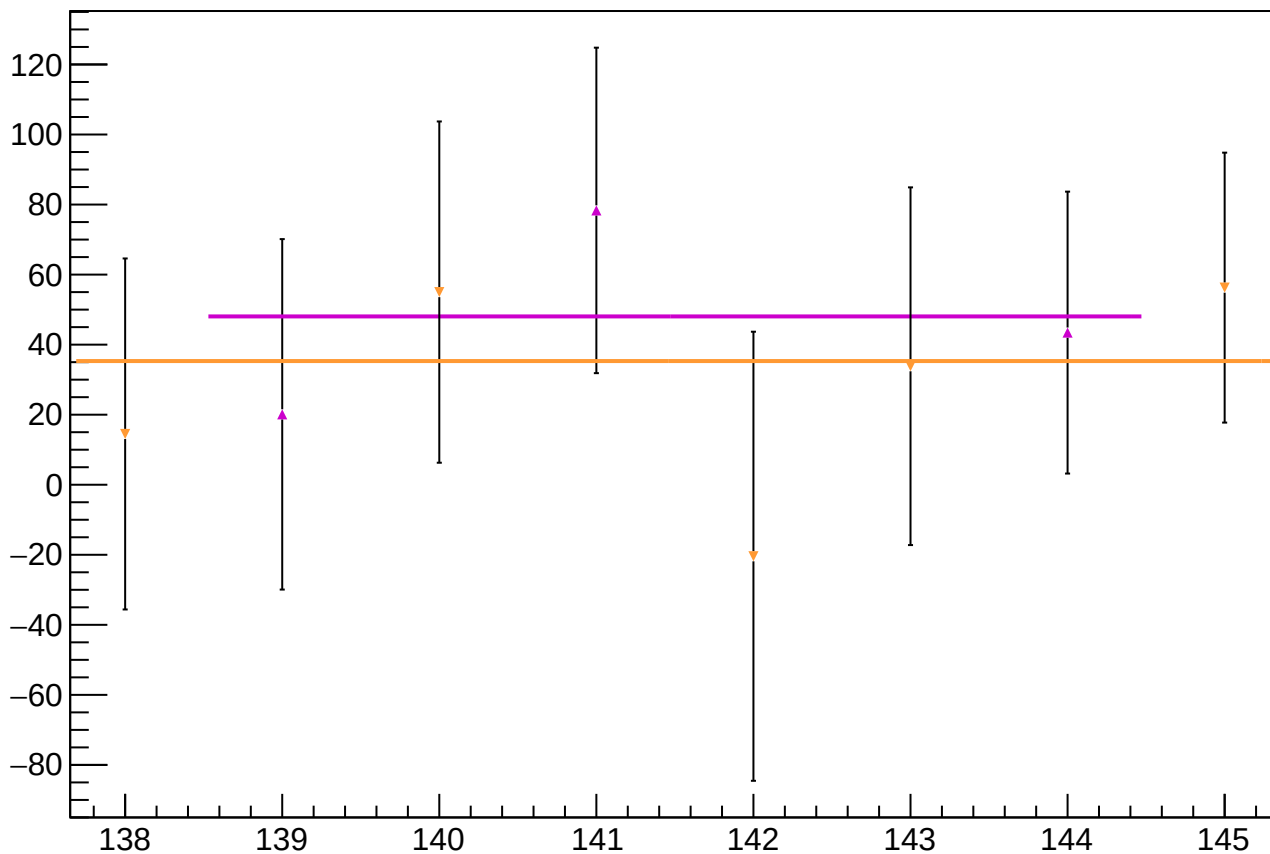
328.284+/-0.131 χ^2/NDF : 377621.5/4

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

345.519+/-0.162 χ^2/NDF : 179131.7/2

Left In: 345.519+/-0.162 χ^2/NDF : 179131.7/2

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 35.314+/-21.721 χ^2/NDF : 1.4/4

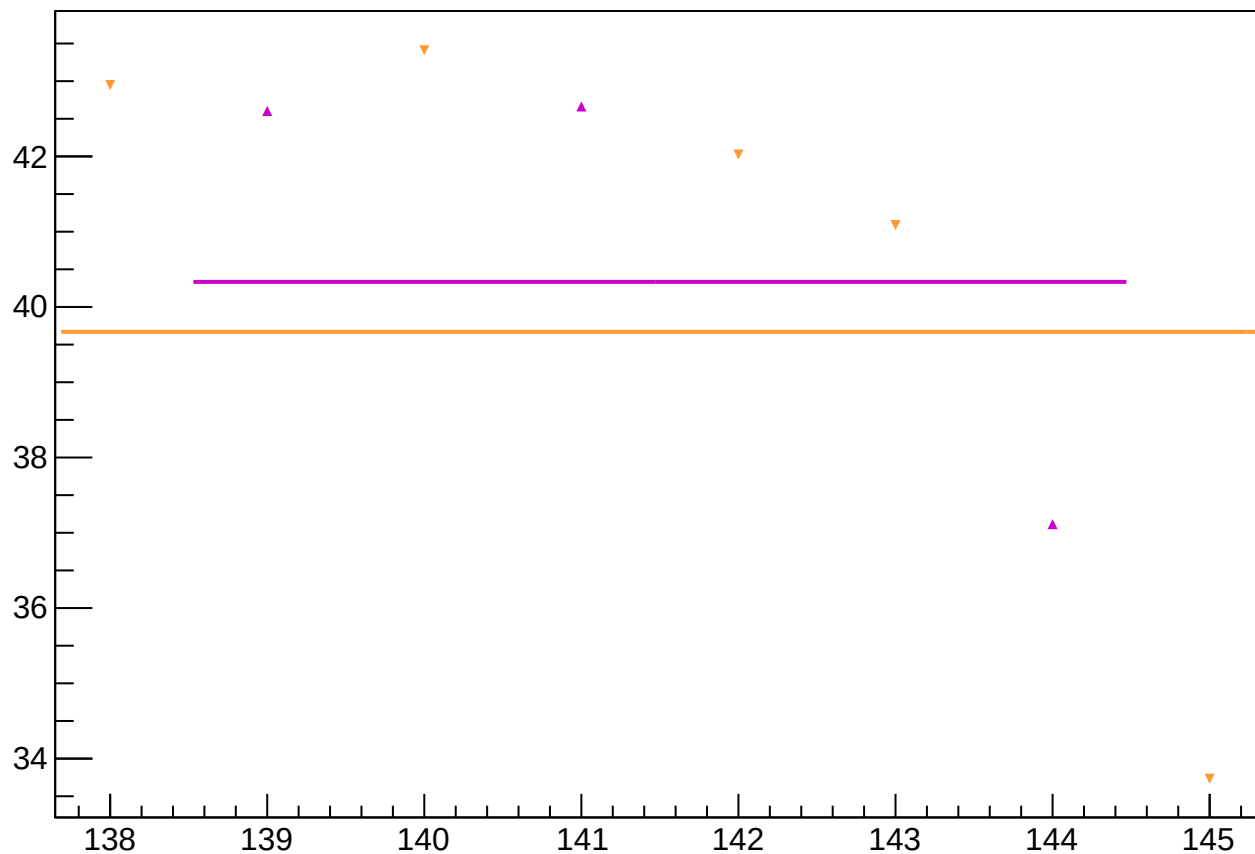
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 48.060+/-25.995 χ^2/NDF : 0.7/2

35.314+/-21.721 χ^2/NDF : 1.4/4

48.060+/-25.995 χ^2/NDF : 0.7/2

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 39.670+/-0.015 χ^2/NDF : 72061.4/4

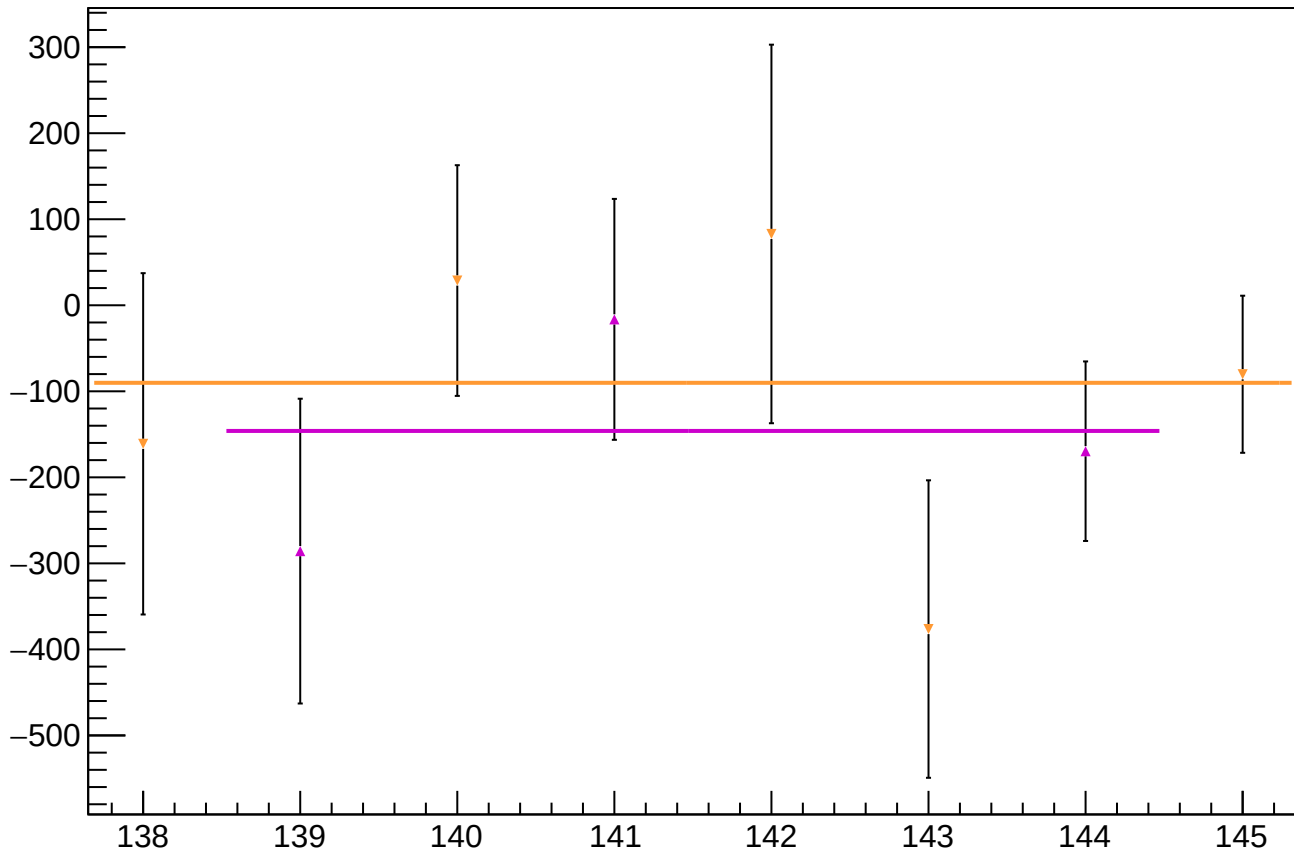
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 40.333+/-0.018 χ^2/NDF : 21943.5/2

39.670+/-0.015 χ^2/NDF : 72061.4/4

40.333+/-0.018 χ^2/NDF : 21943.5/2

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -90.121+/-62.609 χ^2/NDF : 4.3/4

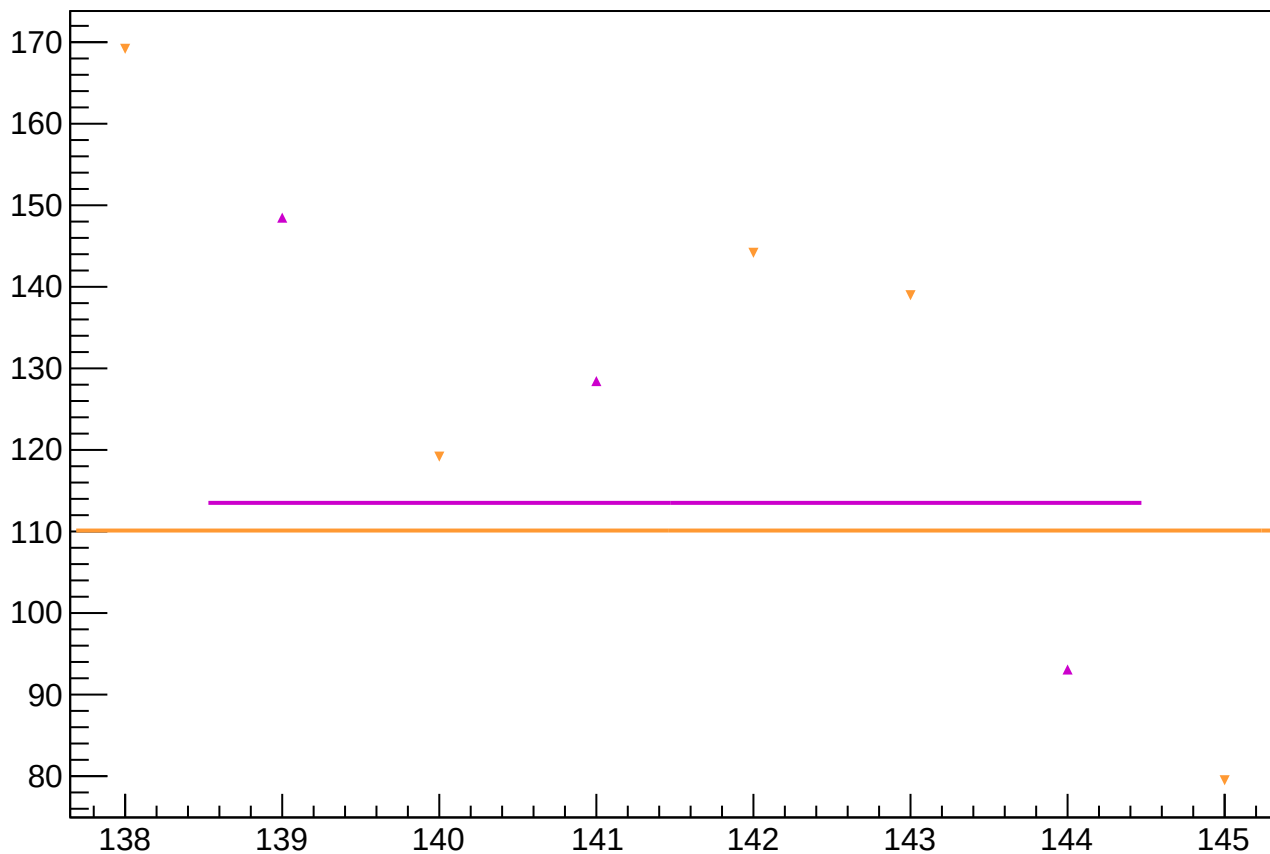
-90.121+/-62.609 χ^2/NDF : 4.3/4

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

-146.069+/-75.653 χ^2/NDF : 1.5/2

Left In: -146.069+/-75.653 χ^2/NDF : 1.5/2

asym_sam_37_26_dd_correction_rms vs Slug



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

Left Out: 110.116+/-0.044 χ^2/NDF : 515092.5/4

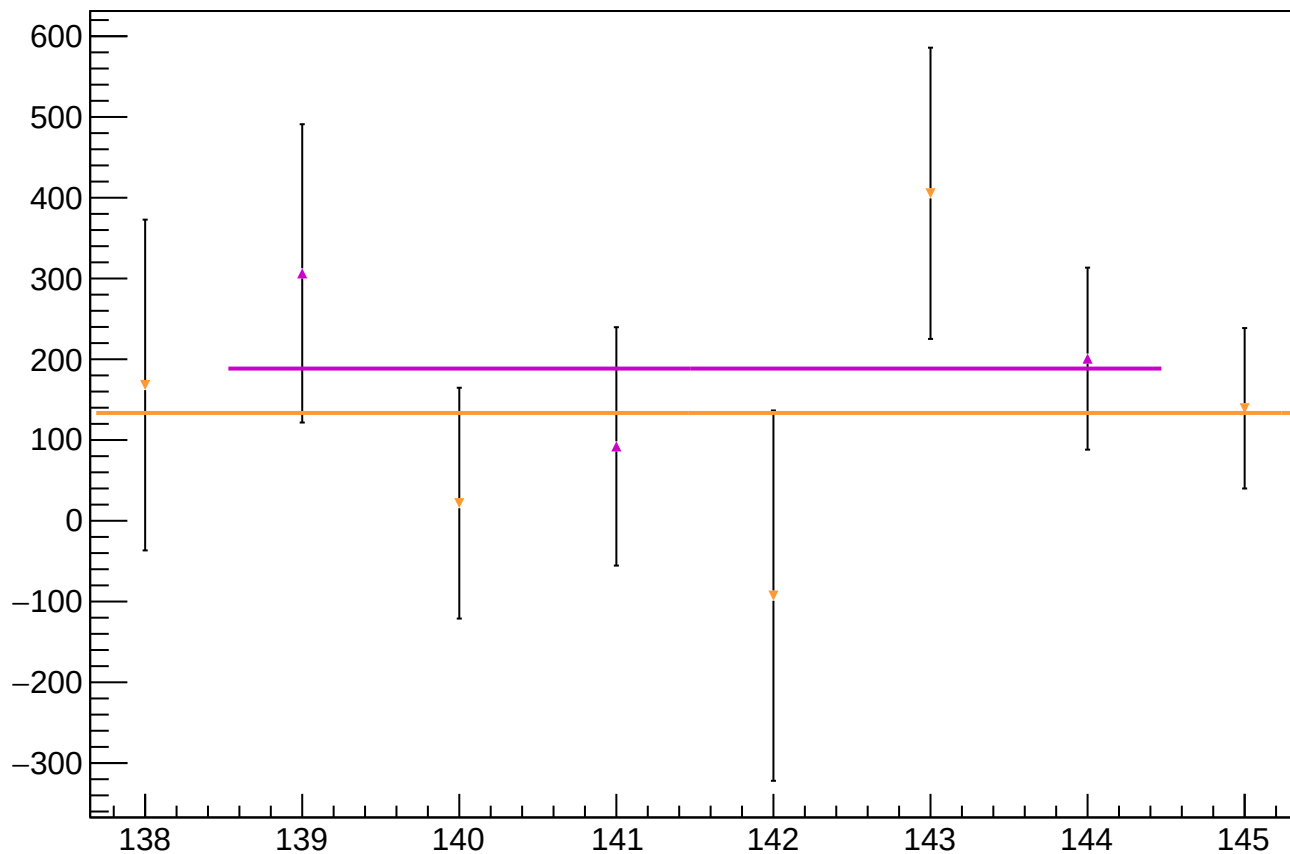
110.116+/-0.044 χ^2/NDF : 515092.5/4

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

113.509+/-0.053 χ^2/NDF : 177412.9/2

Left In: 113.509+/-0.053 χ^2/NDF : 177412.9/2

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 133.512+/-66.822 χ^2/NDF : 3.9/4

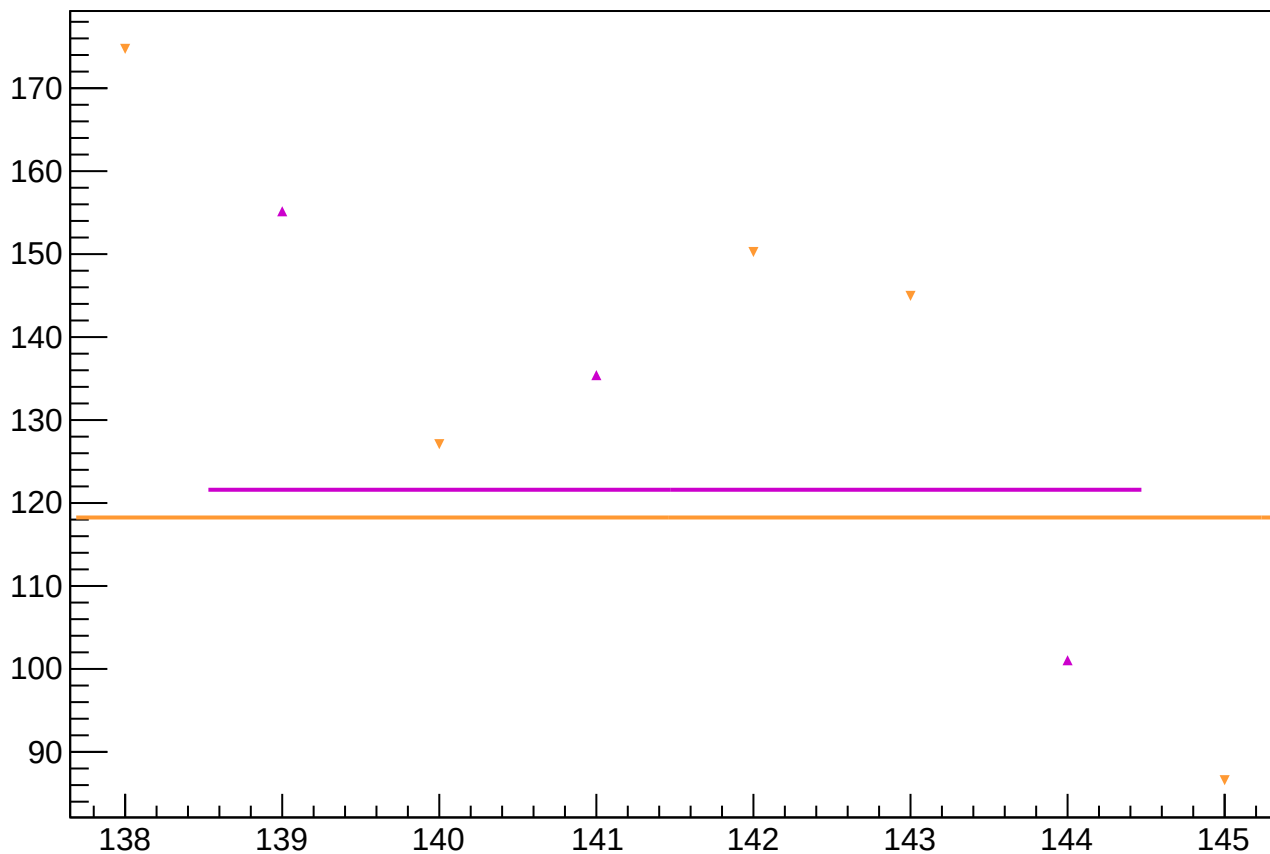
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 188.468+/-80.585 χ^2/NDF : 0.8/2

133.512+/-66.822 χ^2/NDF : 3.9/4

188.468+/-80.585 χ^2/NDF : 0.8/2

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 118.255+/-0.047 χ^2/NDF : 445934.2/4

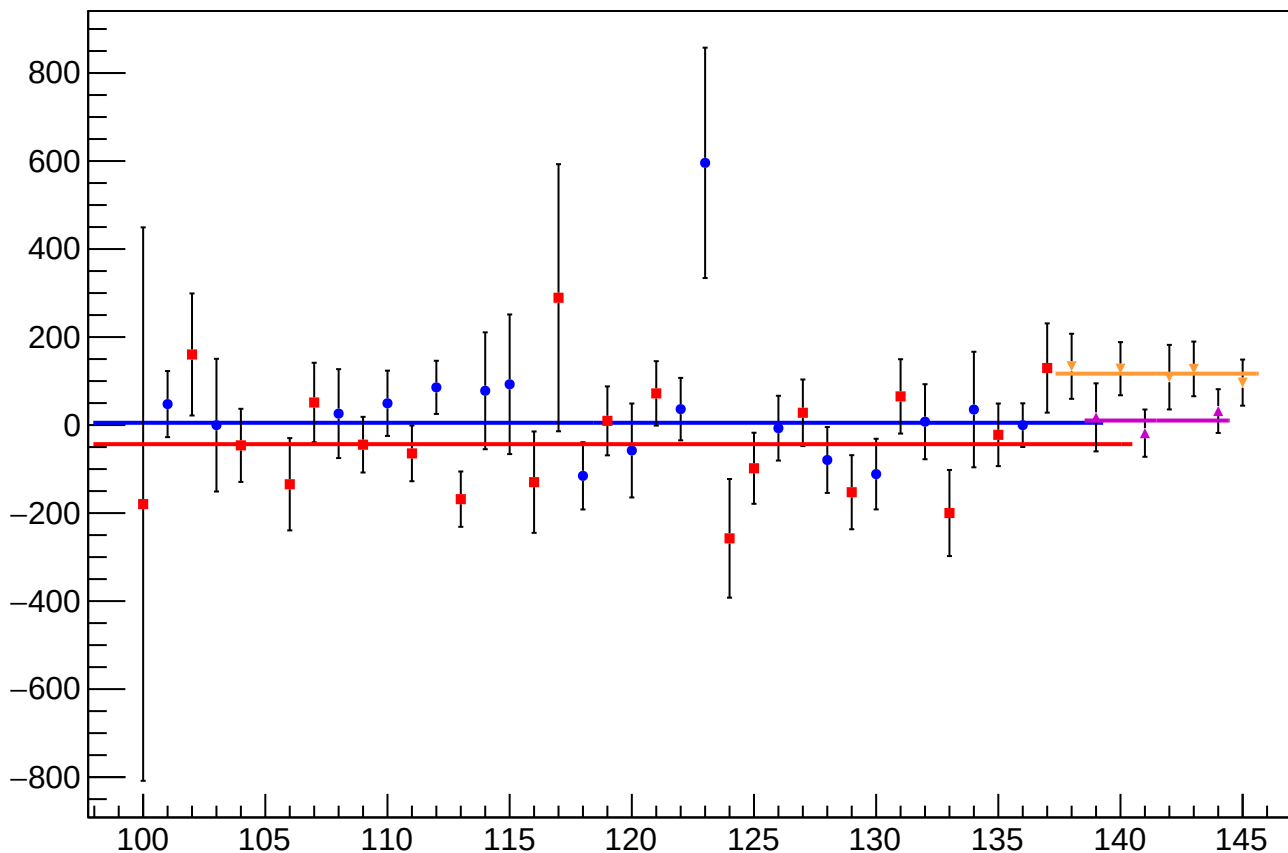
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 121.598+/-0.057 χ^2/NDF : 150102.1/2

118.255+/-0.047 χ^2/NDF : 445934.2/4

121.598+/-0.057 χ^2/NDF : 150102.1/2

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220+/-20.150 χ^2 /NDF: 14.7/16

Left Out: 116.877+/-28.102 χ^2 /NDF:0.3/4

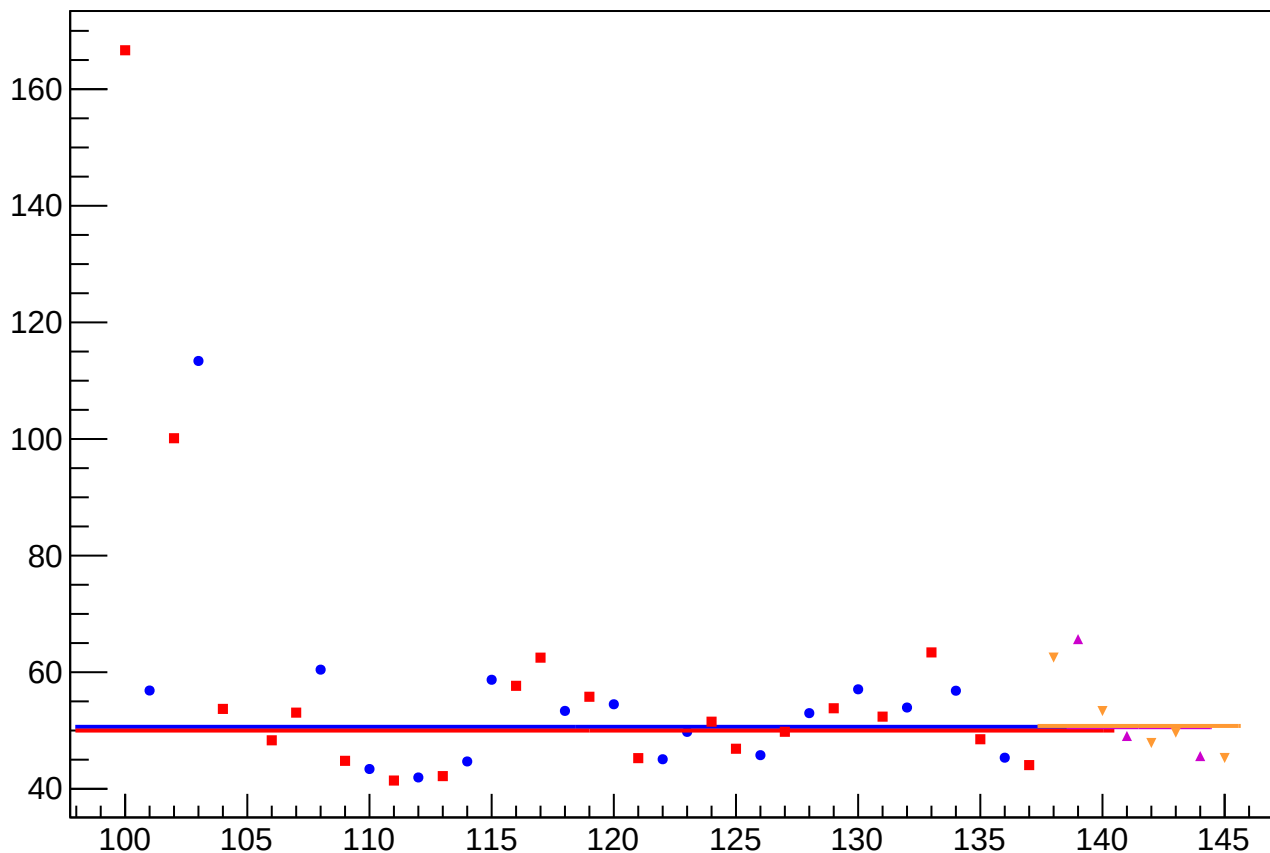
Right Out: -43.354+/-19.371 χ^2 /NDF: 25.6/19

Left In: 10.317+/-32.989 χ^2 /NDF:0.5/2

43.135+/-16.376 χ^2 /NDF: 25.4/21

-29.593+/-16.704 χ^2 /NDF: 28.0/22

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635+/-0.014 χ^2/NDF : 519687.1/16

Left Out: 50.786+/-0.020 χ^2/NDF : 79667.3/4

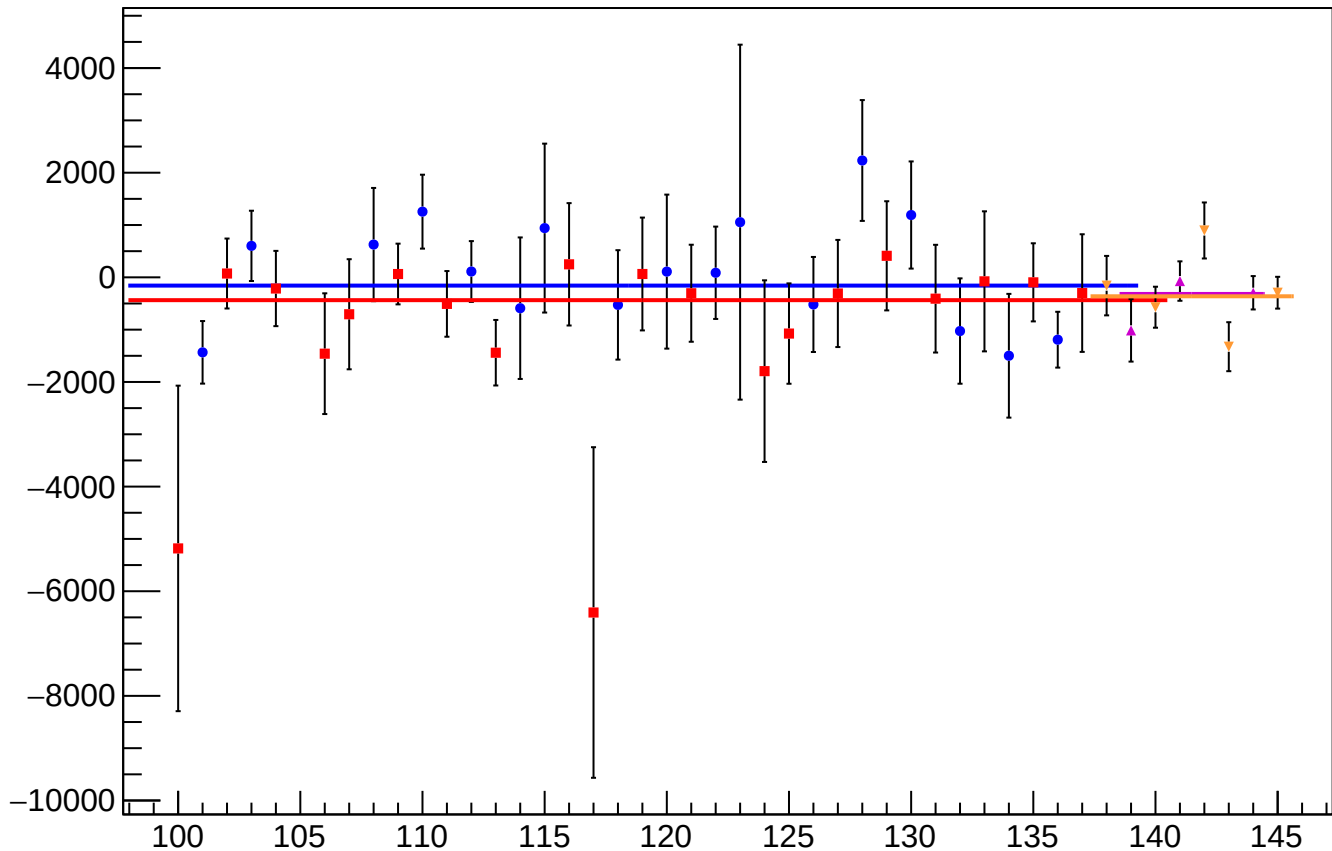
Right Out: 49.994+/-0.014 χ^2/NDF : 503898.1/19

Left In: 50.570+/-0.023 χ^2/NDF : 97796.3/2

50.686+/-0.012 χ^2/NDF : 599392.9/21

50.142+/-0.012 χ^2/NDF : 602147.9/22

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 $\pm$ 210.181 χ^2 /NDF: 23.5/16

Left Out: -362.245 $\pm$ 187.353 χ^2 /NDF:10.2/4

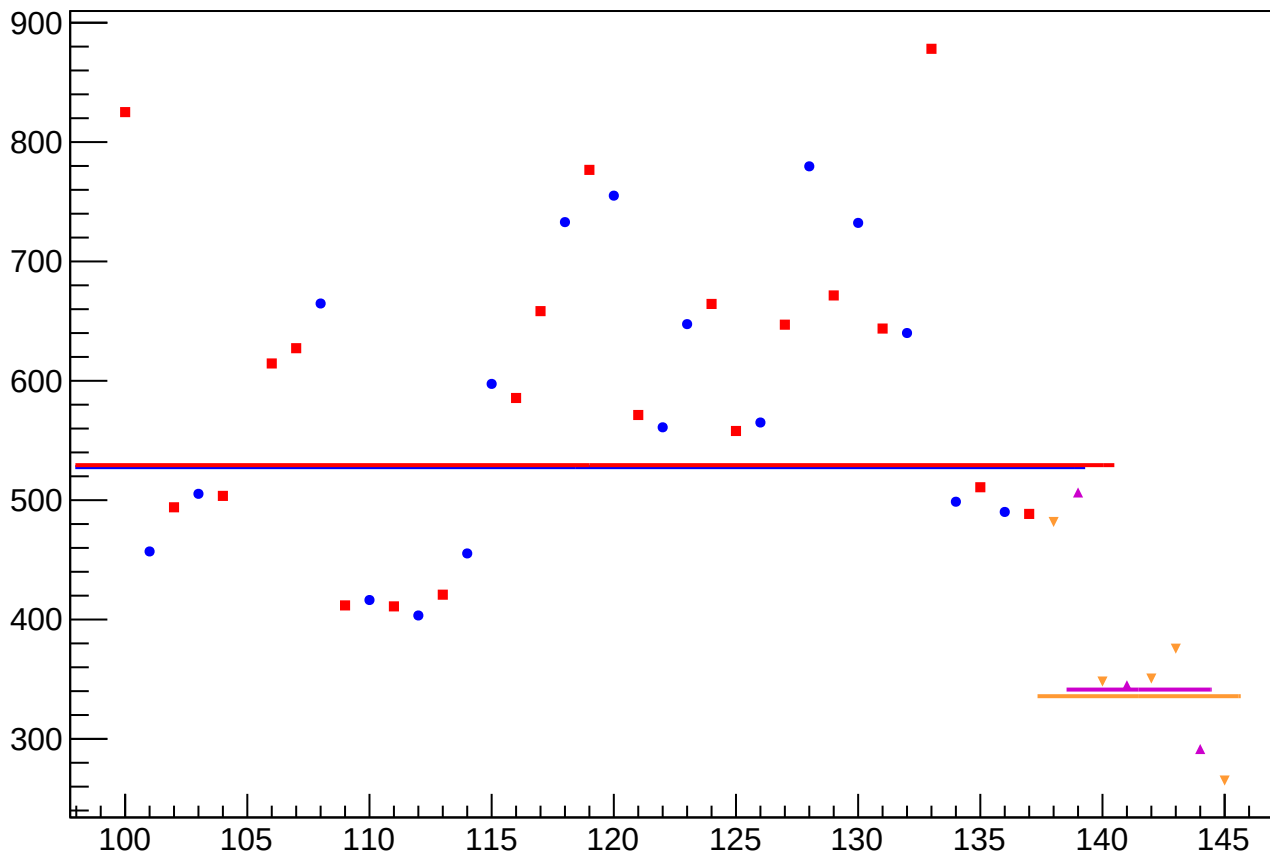
Right Out: -436.410 $\pm$ 203.212 χ^2 /NDF: 13.4/19

Left In: -317.682 $\pm$ 225.397 χ^2 /NDF:1.8/2

-271.813 $\pm$ 139.856 χ^2 /NDF: 34.2/21

-383.175 $\pm$ 150.928 χ^2 /NDF: 15.3/22

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 335.770+/-0.132 χ^2/NDF : 258009.5/4

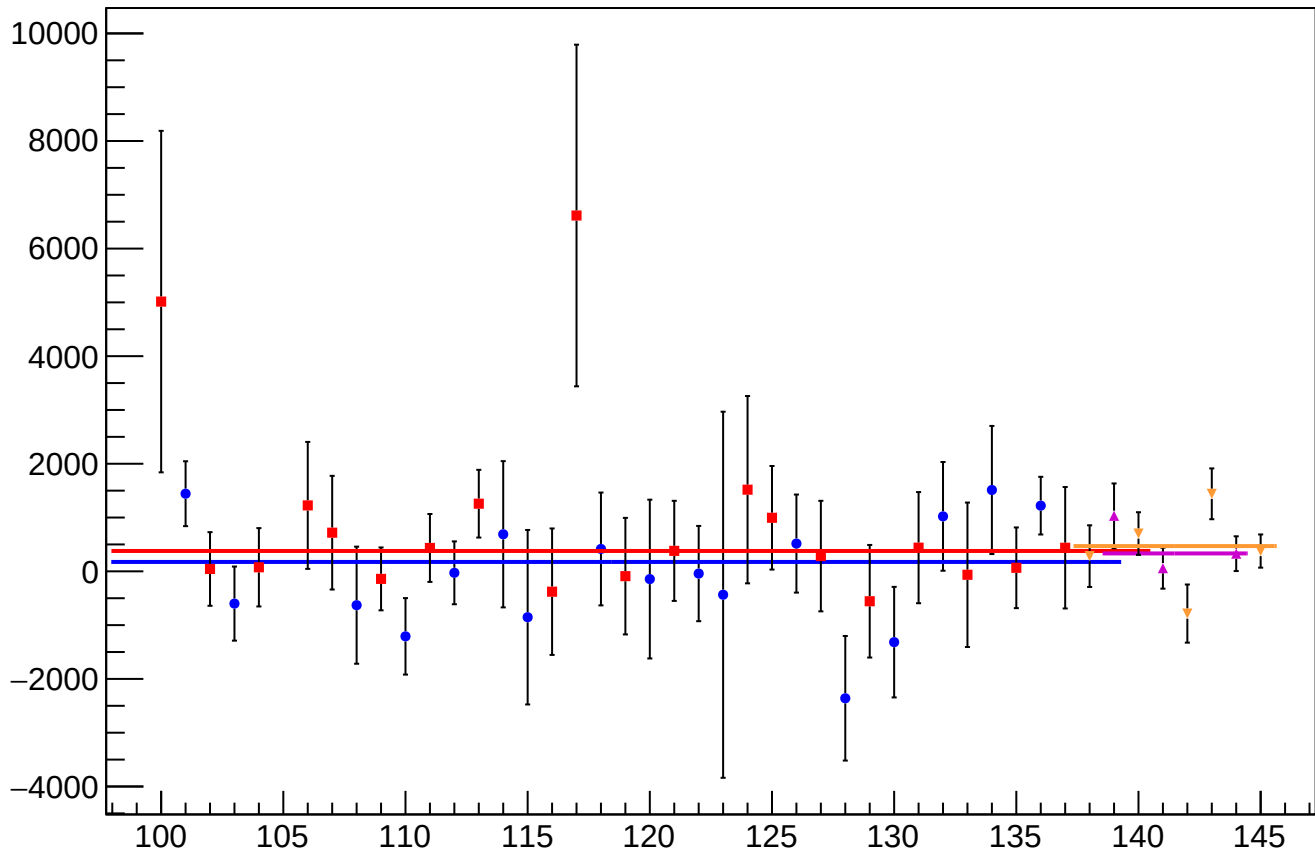
Right Out: 529.342+/-0.144 χ^2/NDF : 626714.3/19

Left In: 341.319+/-0.159 χ^2/NDF : 202282.6/2

420.733+/-0.099 χ^2/NDF : 1744407.4/21

445.037+/-0.107 χ^2/NDF : 1596709.9/22

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 ± 211.662 χ^2/NDF : 23.7/16

Left Out: 469.458 ± 189.625 χ^2/NDF : 10.2/4

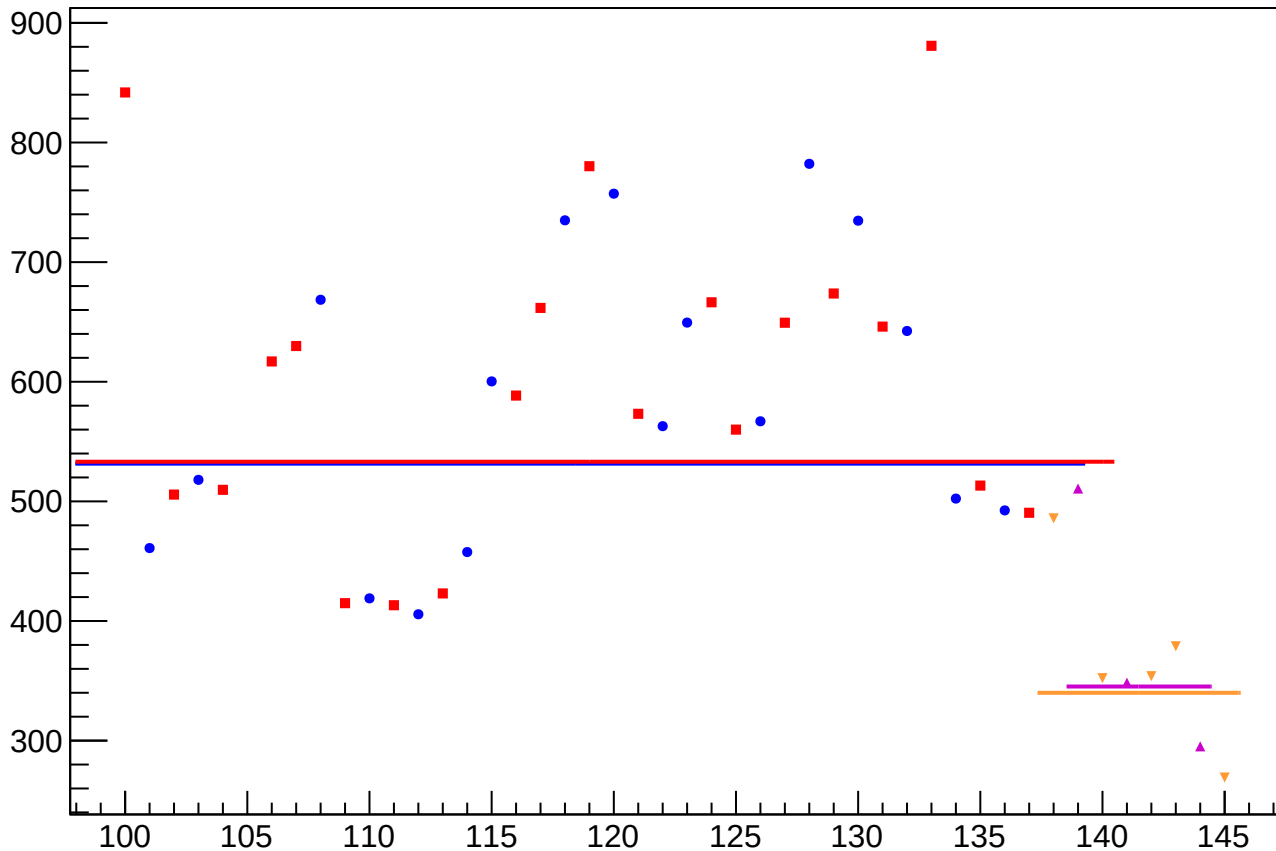
Right Out: 378.609 ± 204.777 χ^2/NDF : 12.3/19

Left In: 332.739 ± 227.897 χ^2/NDF : 1.9/2

338.175 ± 141.236 χ^2/NDF : 34.9/21

358.118 ± 152.319 χ^2/NDF : 14.2/22

asym_sam_1357_avg_rms vs Slug



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 339.983+/-0.134 χ^2/NDF : 251717.5/4

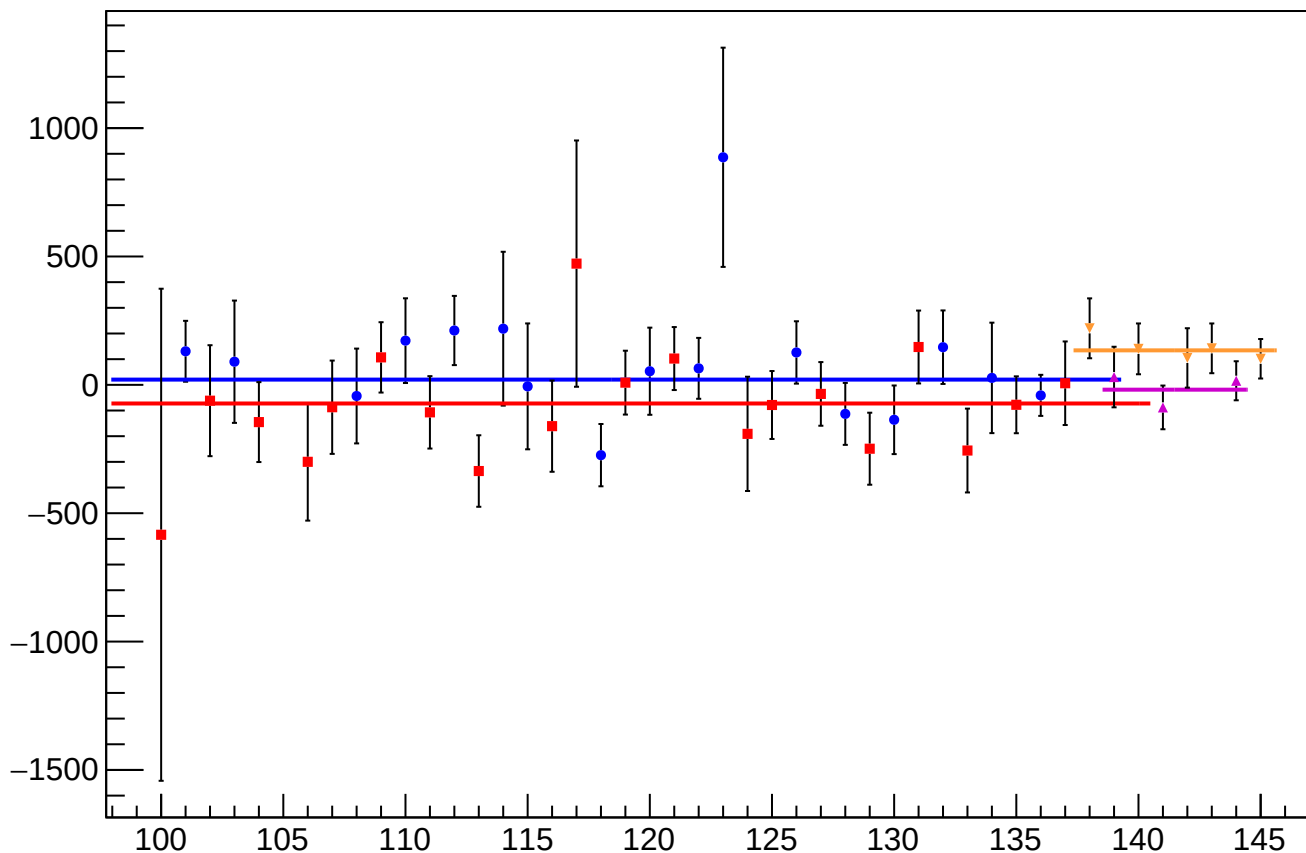
Right Out: 533.157+/-0.145 χ^2/NDF : 619038.4/19

Left In: 345.233+/-0.161 χ^2/NDF : 199586.9/2

425.280+/-0.100 χ^2/NDF : 1710674.0/21

449.208+/-0.108 χ^2/NDF : 1571057.1/22

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 ± 34.583 χ^2/NDF : 19.3/16

Left Out: 134.348 ± 43.609 χ^2/NDF : 0.8/4

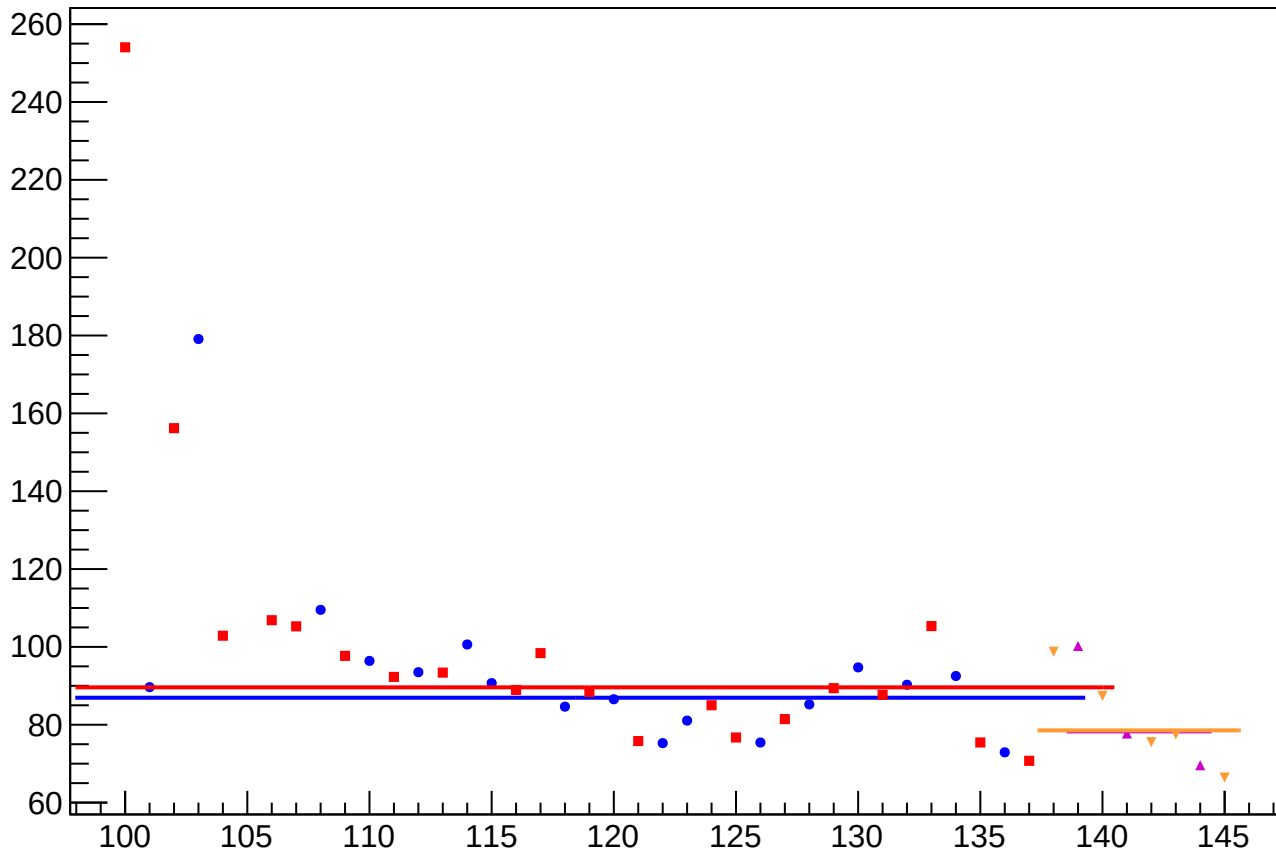
Right Out: -72.603 ± 34.608 χ^2/NDF : 16.7/19

Left In: -18.793 ± 51.107 χ^2/NDF : 1.0/2

64.419 ± 27.097 χ^2/NDF : 24.3/21

-55.686 ± 28.656 χ^2/NDF : 18.5/22

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 78.553+/-0.031 χ^2/NDF : 127350.1/4

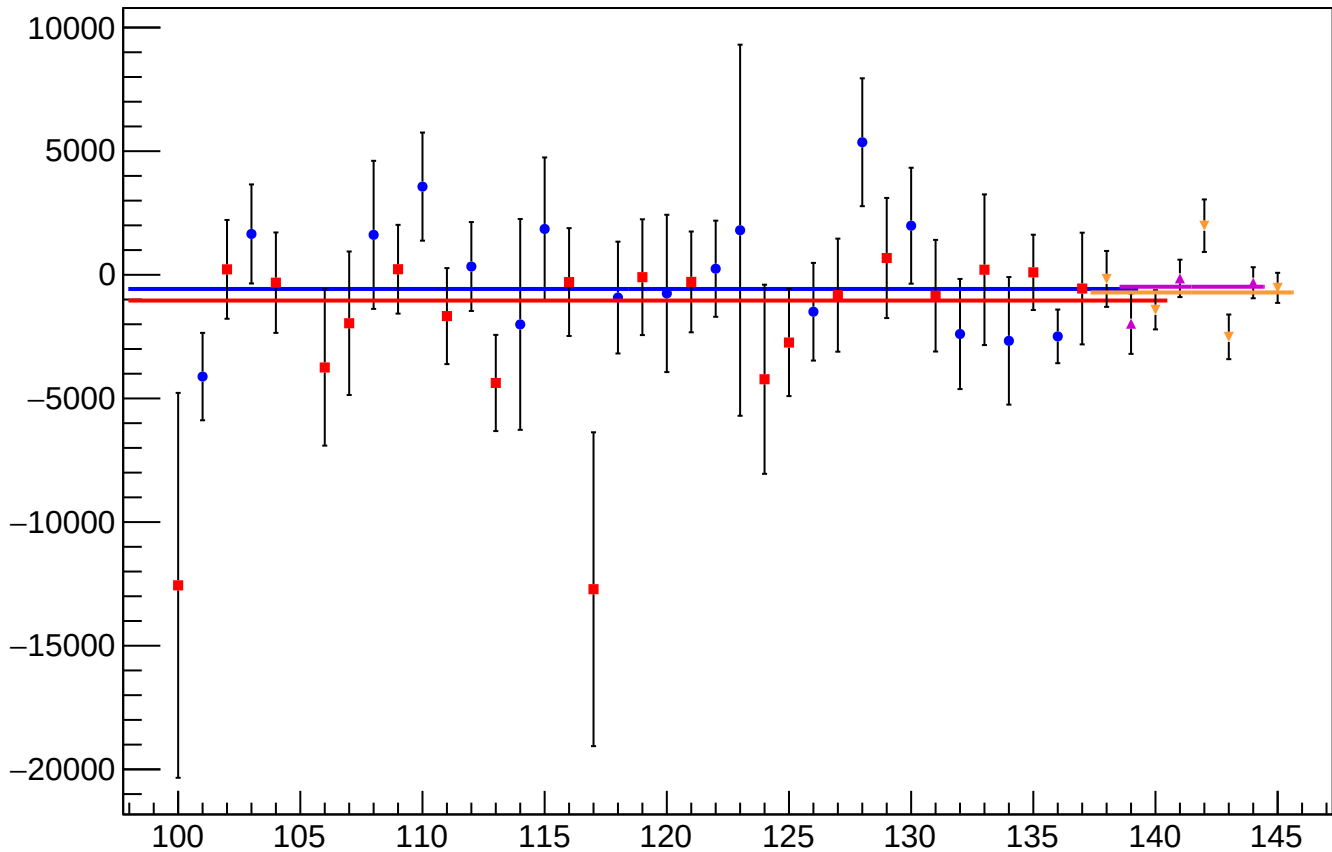
Right Out: 89.607+/-0.024 χ^2/NDF : 431905.8/19

Left In: 78.293+/-0.036 χ^2/NDF : 95510.2/2

83.704+/-0.019 χ^2/NDF : 628600.9/21

86.050+/-0.020 χ^2/NDF : 594617.3/22

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 ± 517.020 $\chi^2/\text{NDF}: 21.9/16$

Left Out: -713.059 ± 372.846 $\chi^2/\text{NDF}: 11.5/4$

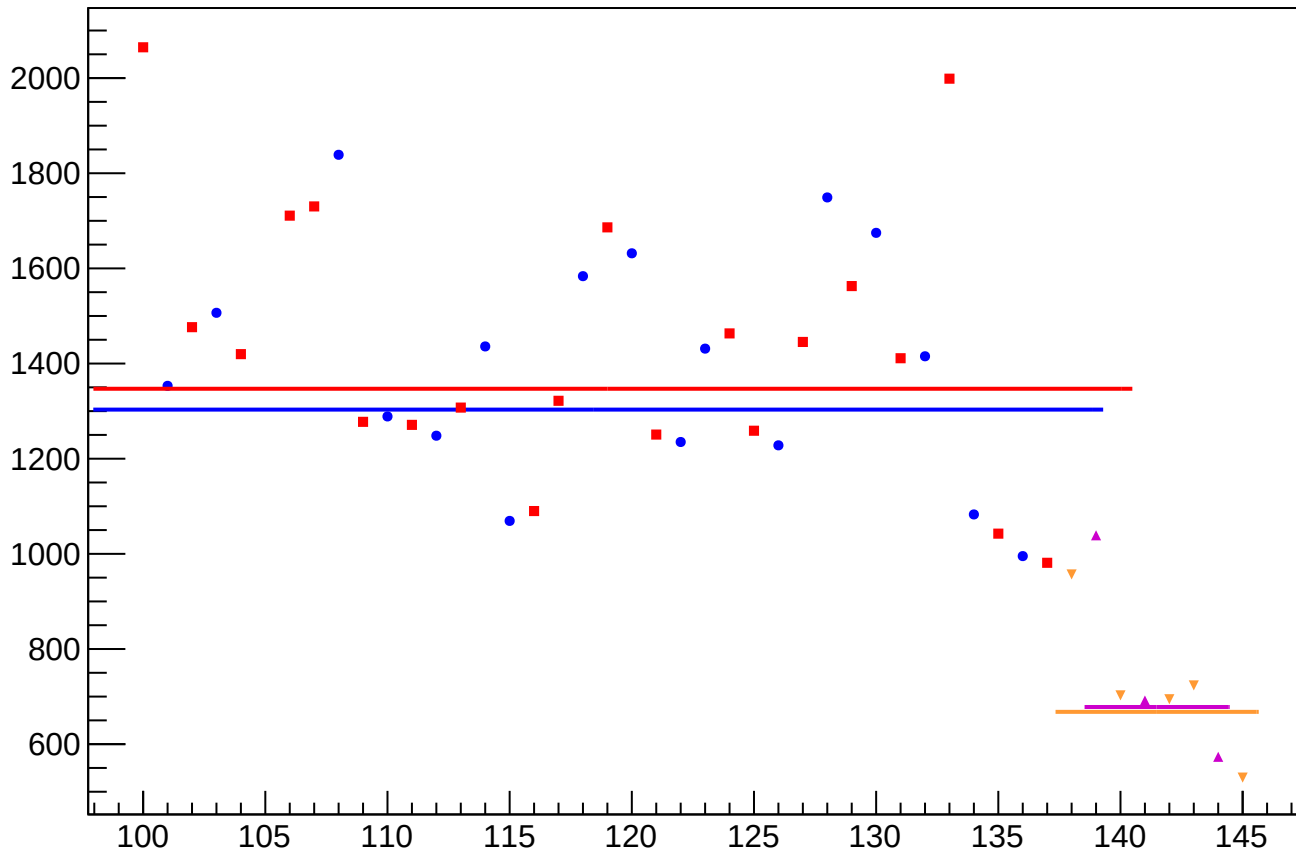
Right Out: -1040.618 ± 512.937 $\chi^2/\text{NDF}: 13.5/19$

Left In: -482.137 ± 449.345 $\chi^2/\text{NDF}: 1.8/2$

-664.916 ± 302.413 $\chi^2/\text{NDF}: 33.5/21$

-724.631 ± 337.995 $\chi^2/\text{NDF}: 15.9/22$

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 667.913+/-0.264 χ^2/NDF : 246439.4/4

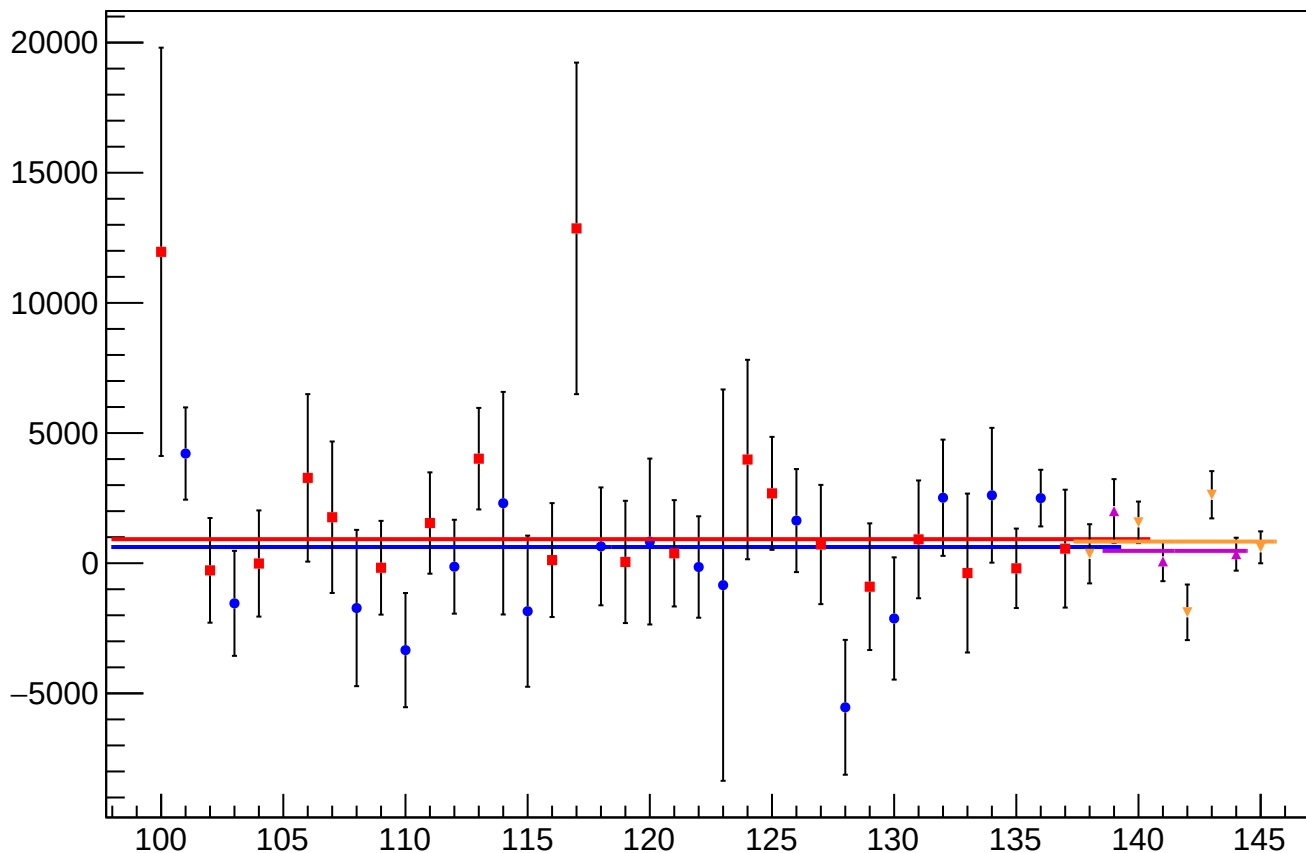
Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

Left In: 678.118+/-0.318 χ^2/NDF : 230613.1/2

885.261+/-0.214 χ^2/NDF : 2684949.8/21

968.553+/-0.239 χ^2/NDF : 2575726.8/22

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 ± 518.496 $\chi^2/\text{NDF}: 22.0/16$

Left Out: 832.427 ± 375.546 $\chi^2/\text{NDF}: 11.6/4$

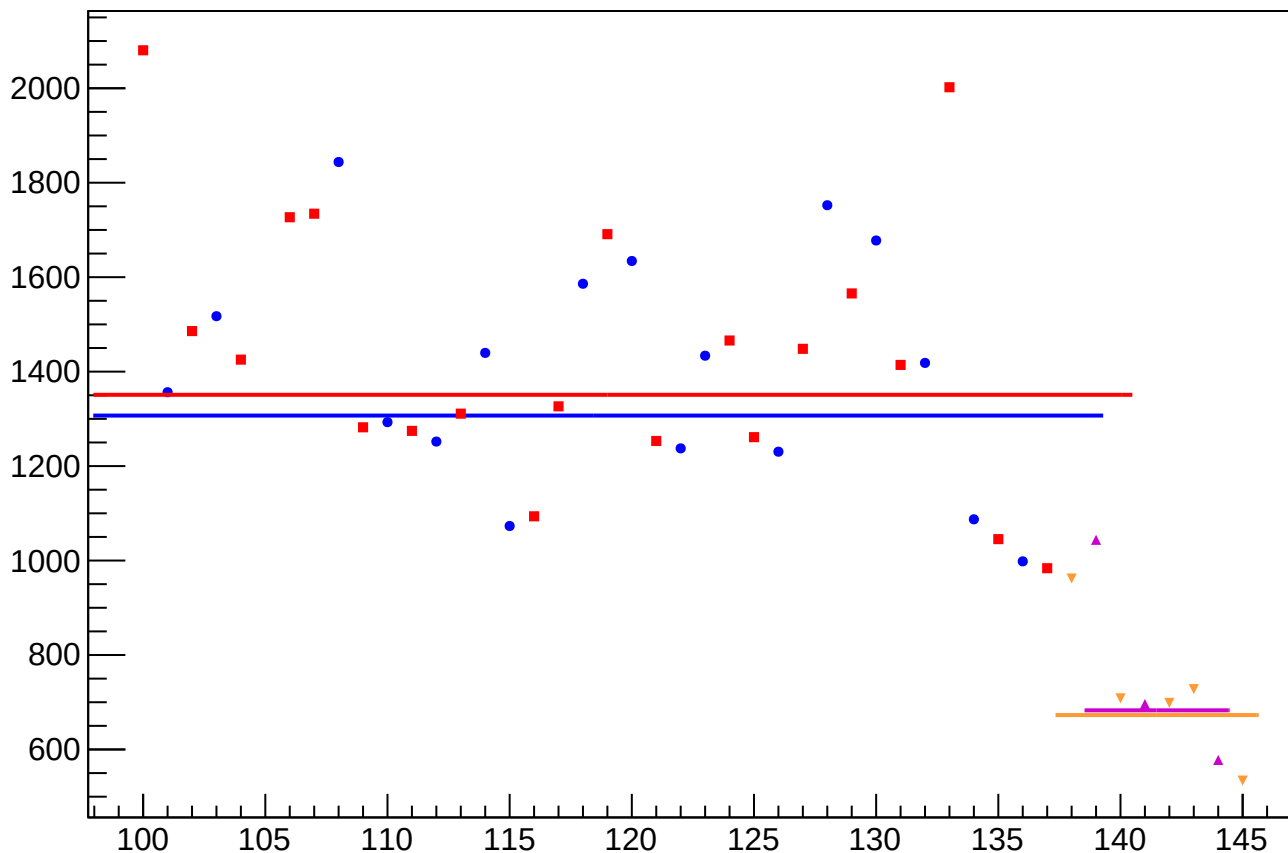
Right Out: 924.488 ± 514.636 $\chi^2/\text{NDF}: 12.6/19$

Left In: 474.138 ± 452.385 $\chi^2/\text{NDF}: 1.9/2$

760.162 ± 304.147 $\chi^2/\text{NDF}: 33.6/21$

670.442 ± 339.773 $\chi^2/\text{NDF}: 14.9/22$

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 $\pm$ 0.367 χ^2 /NDF: 451191.7/16

Left Out: 672.860 $\pm$ 0.266 χ^2 /NDF:244168.4/4

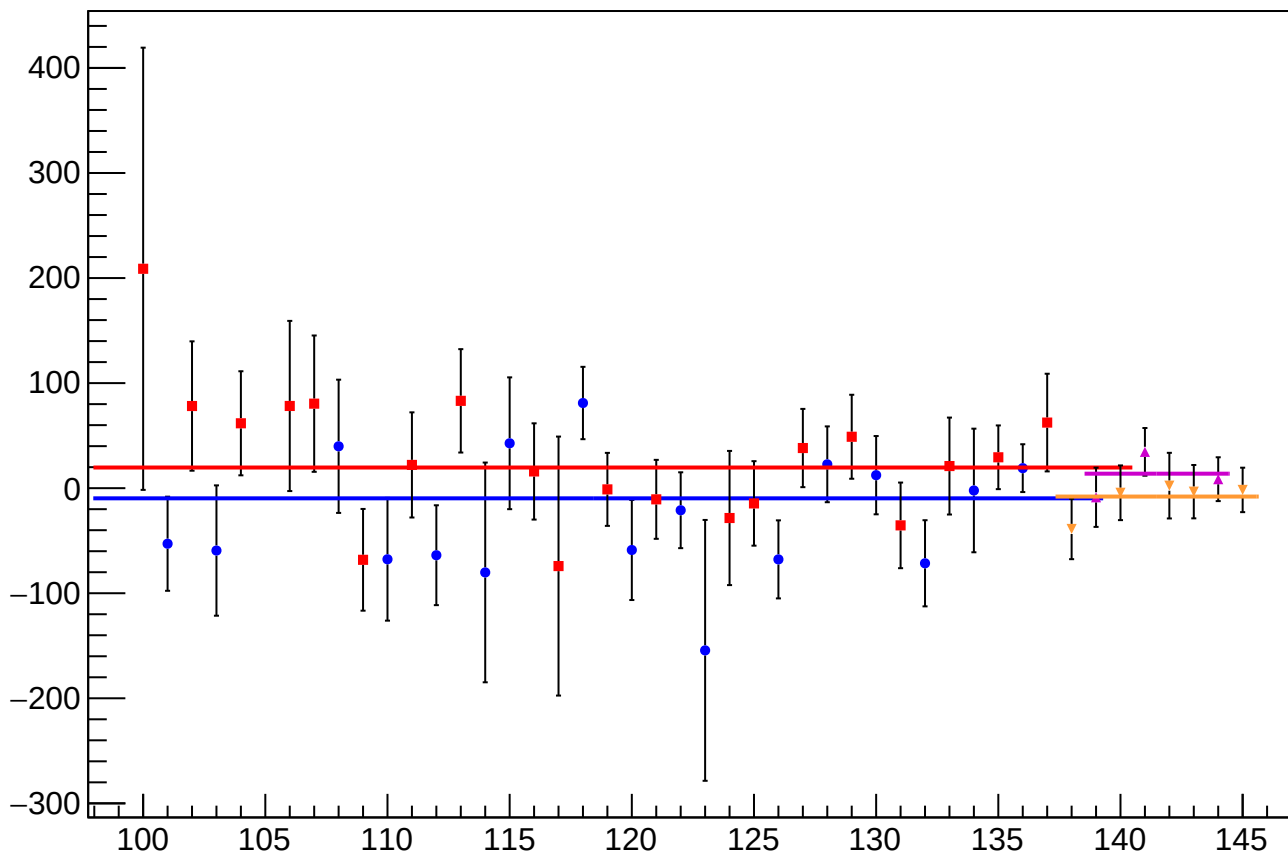
Right Out: 1350.936 $\pm$ 0.364 χ^2 /NDF: 421834.2/19

Left In: 682.877 $\pm$ 0.320 χ^2 /NDF:228693.9/2

891.057 $\pm$ 0.215 χ^2 /NDF: 2657478.7/21

974.078 $\pm$ 0.240 χ^2 /NDF: 2551700.6/22

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 $\chi^2/\text{NDF}: 22.6/16$

Left Out: -7.974 ± 11.553 $\chi^2/\text{NDF}: 1.4/4$

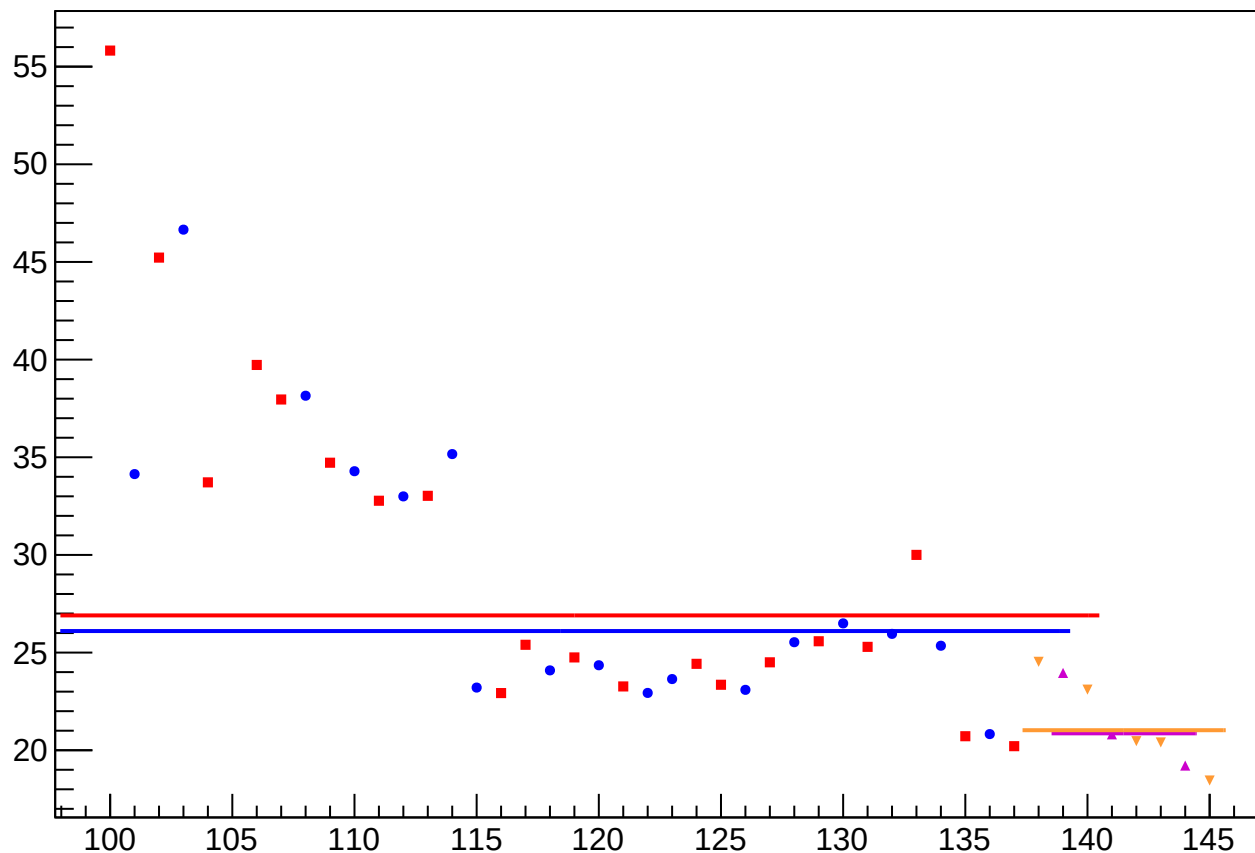
Right Out: 19.662 ± 10.406 $\chi^2/\text{NDF}: 15.2/19$

Left In: 13.794 ± 13.486 $\chi^2/\text{NDF}: 1.5/2$

-8.909 ± 7.733 $\chi^2/\text{NDF}: 24.0/21$

17.472 ± 8.239 $\chi^2/\text{NDF}: 16.9/22$

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 21.025+/-0.008 χ^2/NDF : 73861.3/4

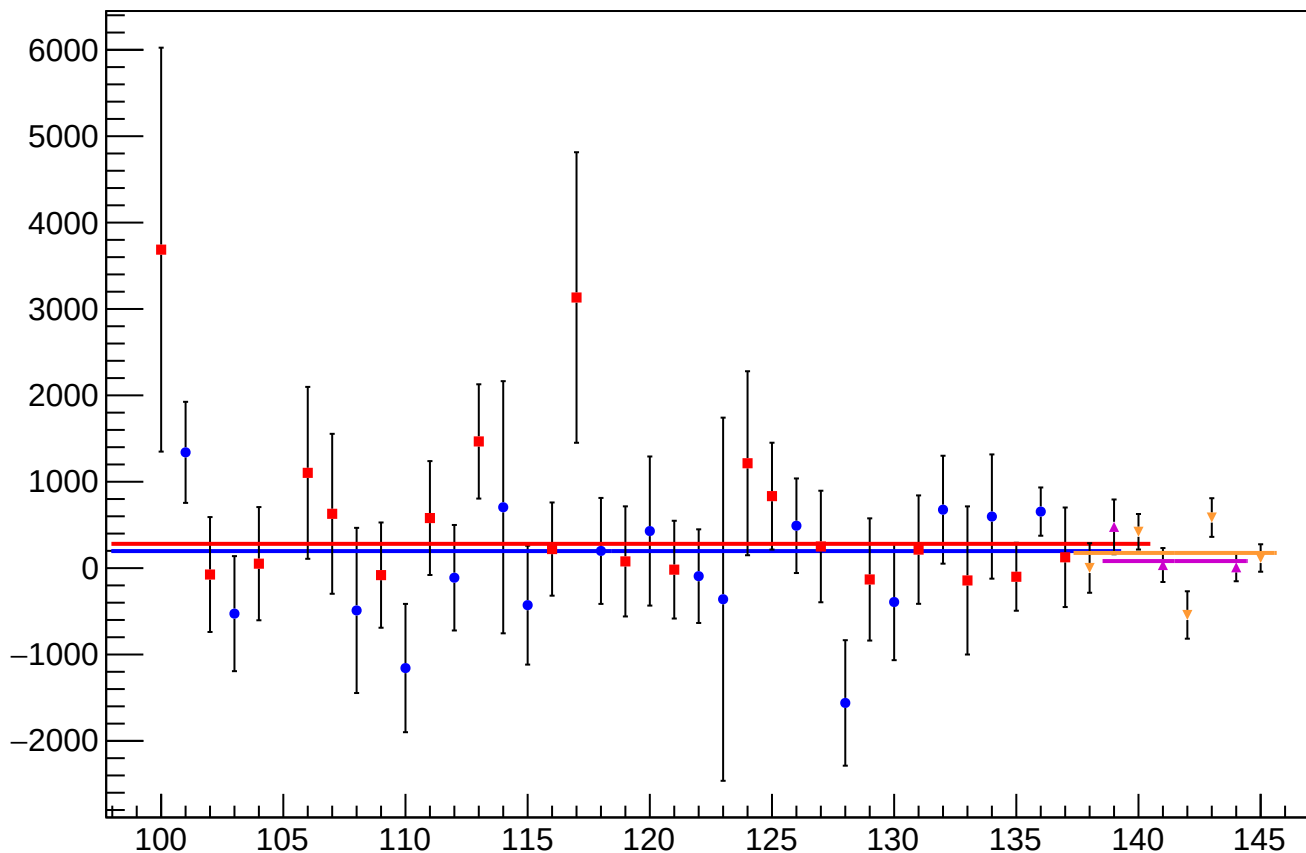
Right Out: 26.903+/-0.007 χ^2/NDF : 679269.9/19

Left In: 20.865+/-0.010 χ^2/NDF : 36612.0/2

23.828+/-0.005 χ^2/NDF : 891134.0/21

24.650+/-0.006 χ^2/NDF : 967133.4/22

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327+/-147.883 χ^2/NDF : 21.0/16

Left Out: 175.982+/-95.954 χ^2/NDF :12.1/4

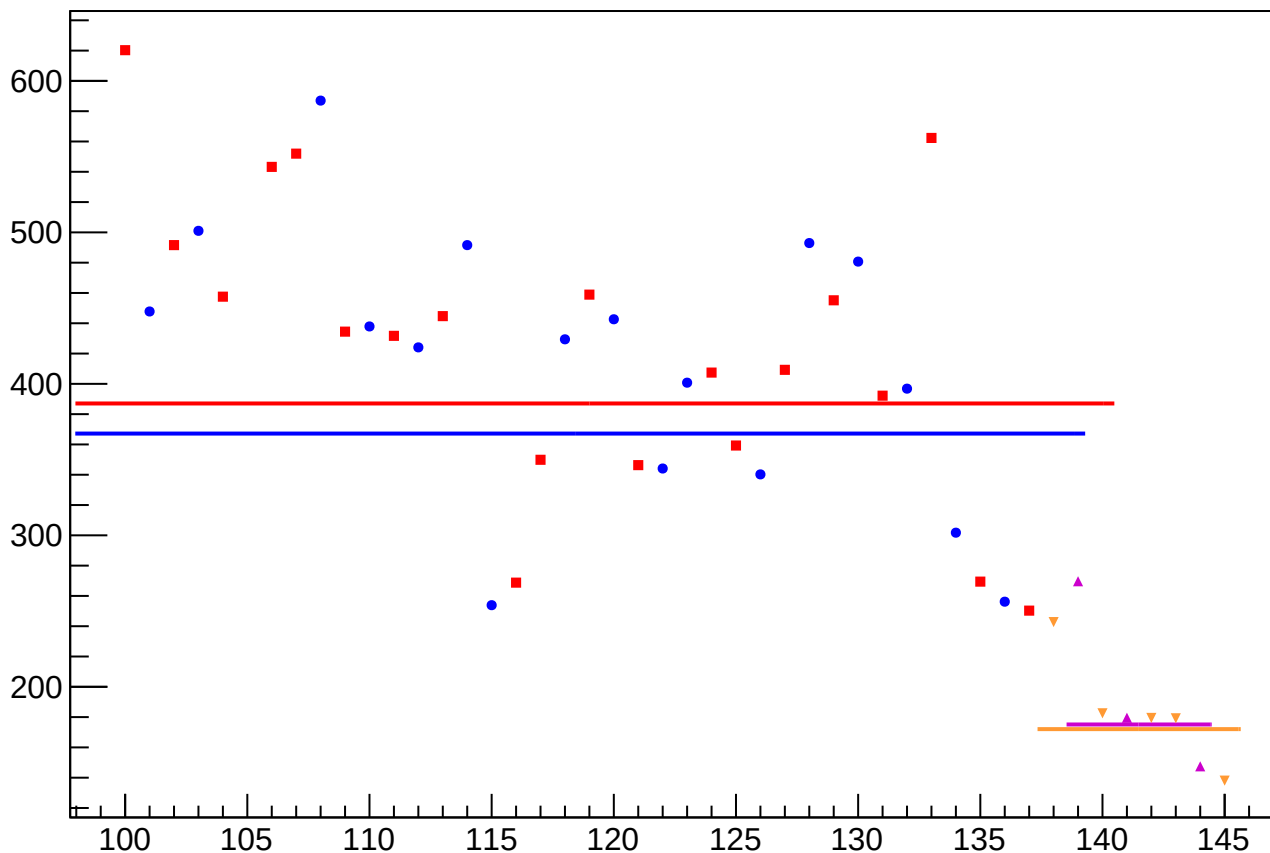
Right Out: 281.185+/-149.275 χ^2/NDF : 13.6/19

Left In: 81.827+/-116.156 χ^2/NDF :1.8/2

182.306+/-80.494 χ^2/NDF : 33.1/21

157.013+/-91.672 χ^2/NDF : 16.5/22

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 172.063 $\pm$ 0.068 χ^2 /NDF: 221521.0/4

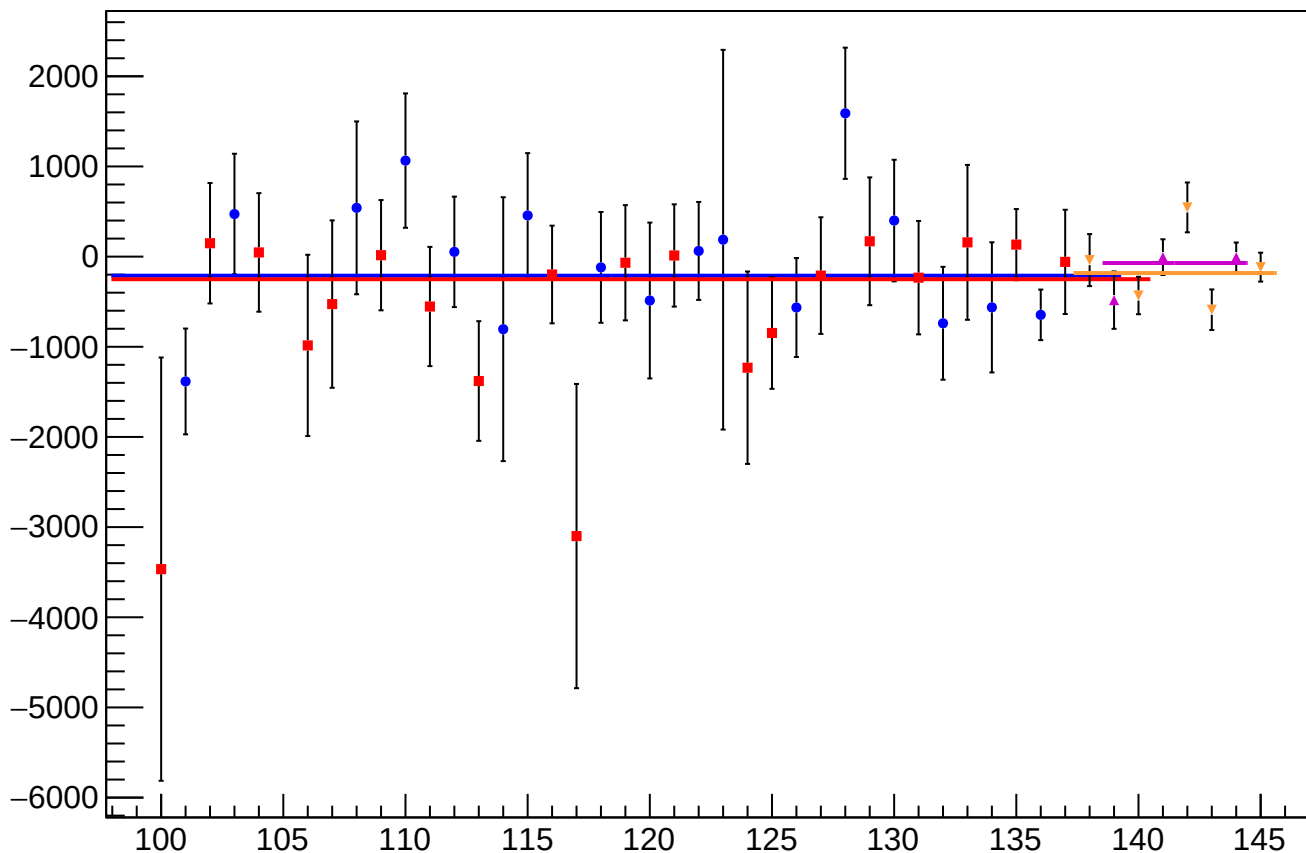
Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

Left In: 175.125 $\pm$ 0.082 χ^2 /NDF: 237419.7/2

229.871 $\pm$ 0.057 χ^2 /NDF: 3498783.4/21

255.050 $\pm$ 0.065 χ^2 /NDF: 3523710.4/22

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -182.240+/-96.693 χ^2/NDF : 12.1/4

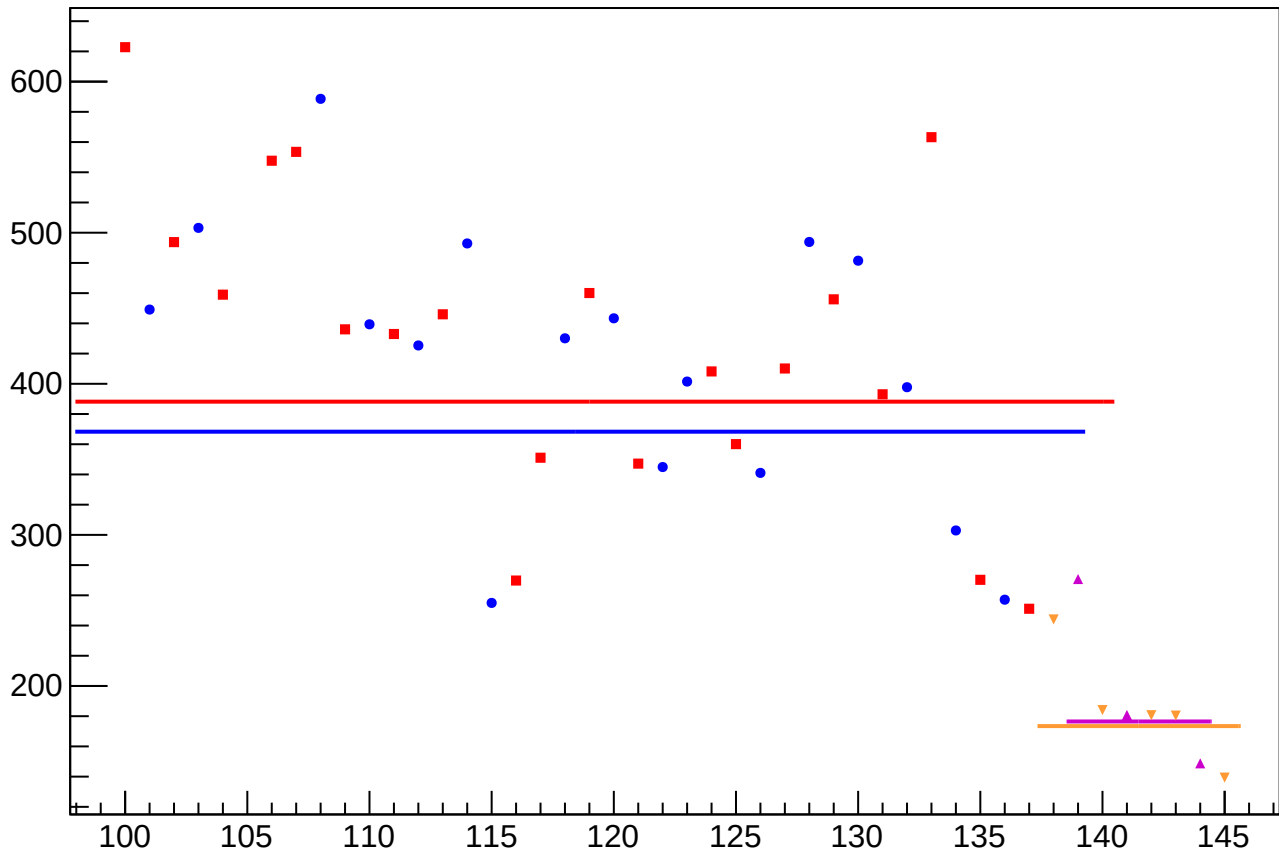
Right Out: -250.443+/-149.724 χ^2/NDF : 12.9/19

Left In: -70.697+/-117.012 χ^2/NDF : 1.9/2

-191.074+/-81.000 χ^2/NDF : 33.1/21

-138.853+/-92.196 χ^2/NDF : 15.8/22

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2/NDF : 824619.2/16

Left Out: 173.442 $\pm$ 0.068 χ^2/NDF : 218724.6/4

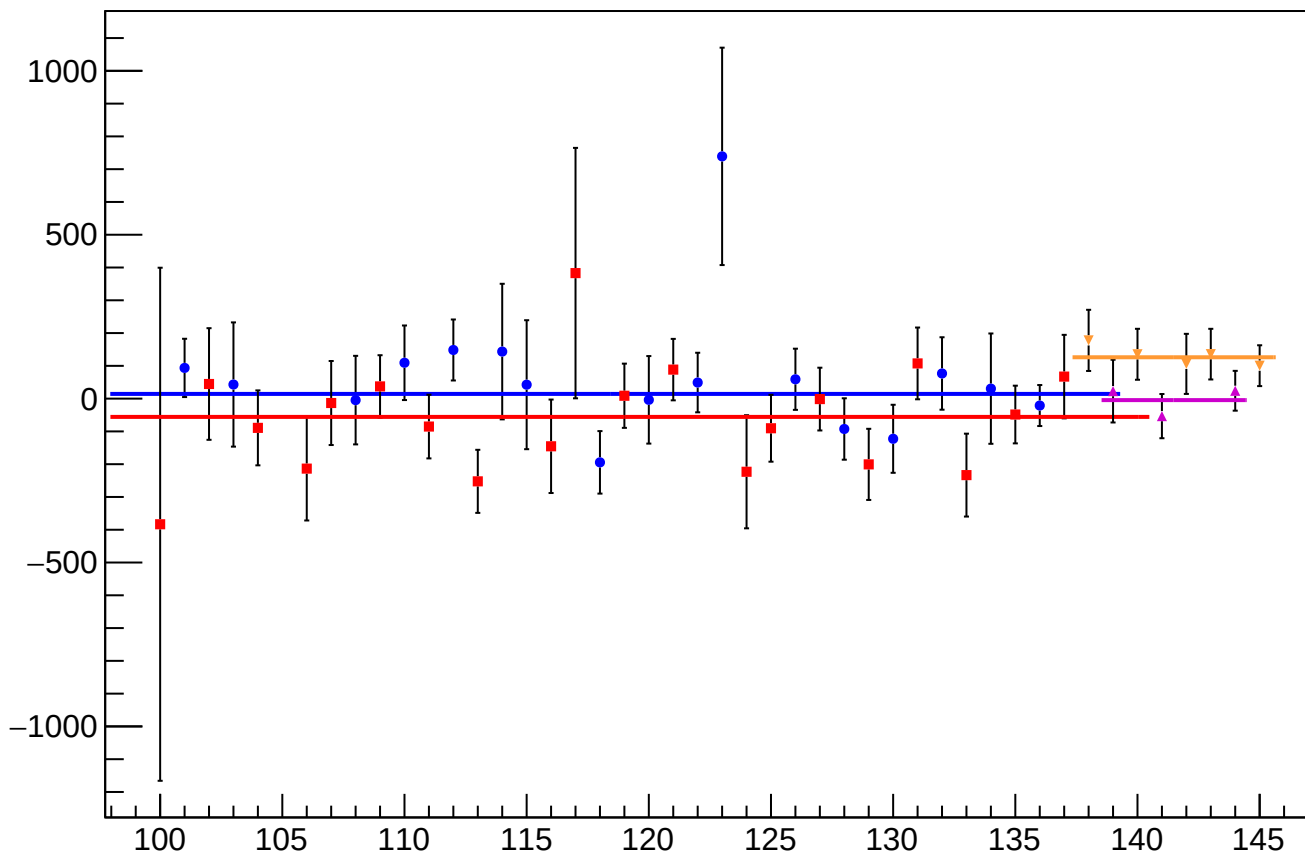
Right Out: 388.178 $\pm$ 0.106 χ^2/NDF : 775692.7/19

Left In: 176.499 $\pm$ 0.083 χ^2/NDF : 234194.9/2

231.560 $\pm$ 0.057 χ^2/NDF : 3465905.1/21

256.763 $\pm$ 0.065 χ^2/NDF : 3491703.3/22

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 126.174+/-34.821 χ^2/NDF : 0.6/4

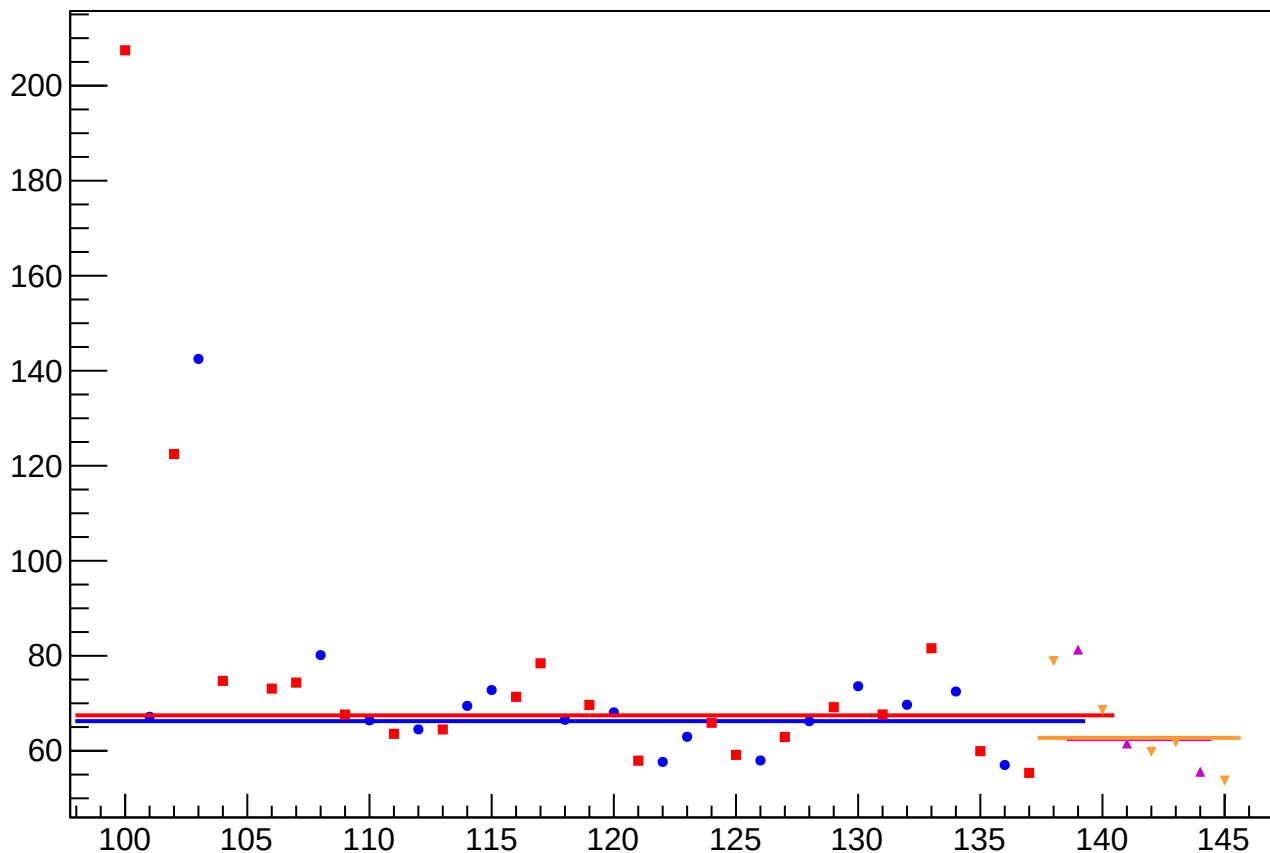
Right Out: -55.744+/-26.060 χ^2/NDF : 19.7/19

Left In: -4.545+/-40.817 χ^2/NDF : 0.8/2

55.058+/-21.004 χ^2/NDF : 24.8/21

-40.917+/-21.965 χ^2/NDF : 21.7/22

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 62.726+/-0.025 χ^2/NDF :115391.4/4

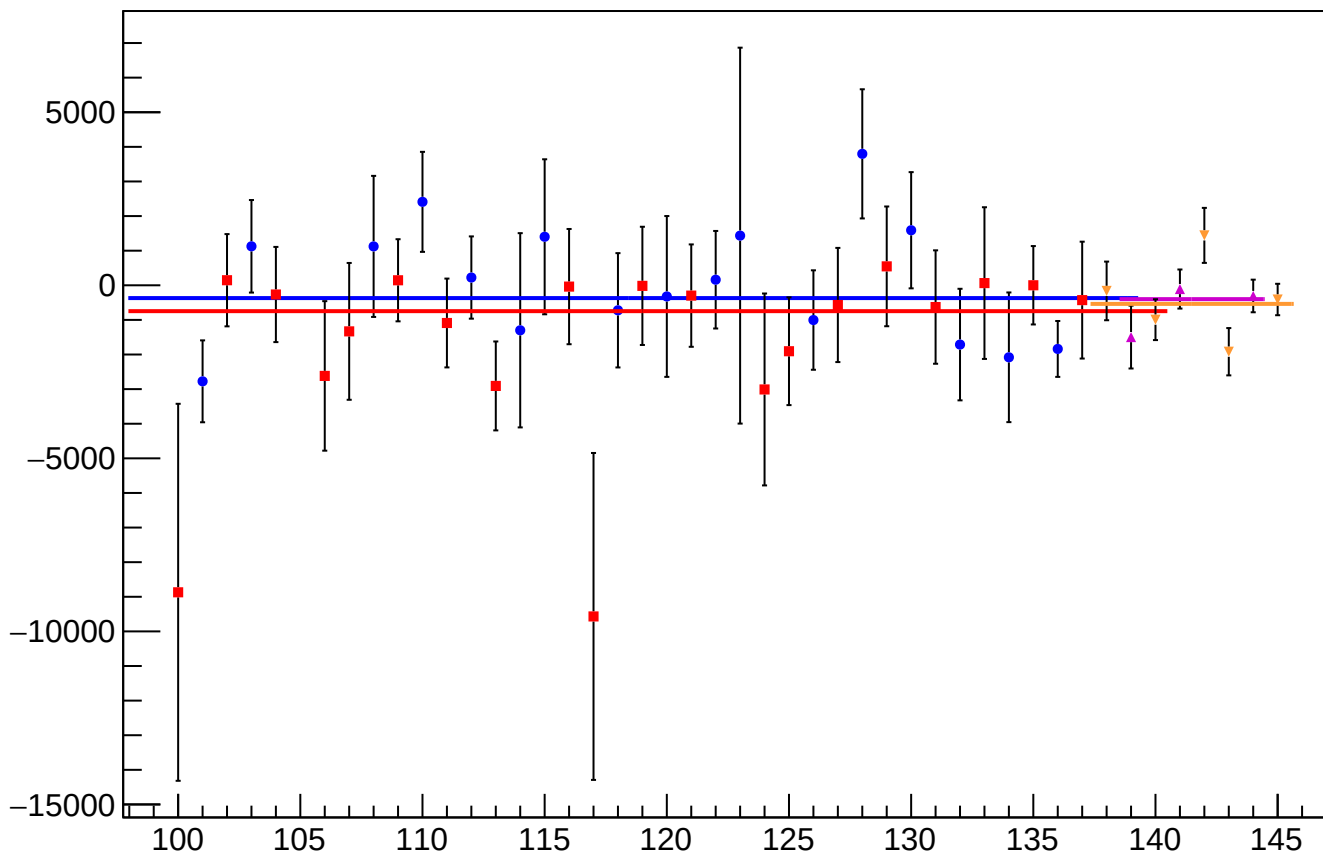
Right Out: 67.466+/-0.018 χ^2/NDF : 395262.8/19

Left In: 62.466+/-0.029 χ^2/NDF :103506.9/2

64.966+/-0.015 χ^2/NDF : 569348.6/21

66.018+/-0.016 χ^2/NDF : 520097.3/22

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -537.291+/-279.013 χ^2/NDF : 11.2/4

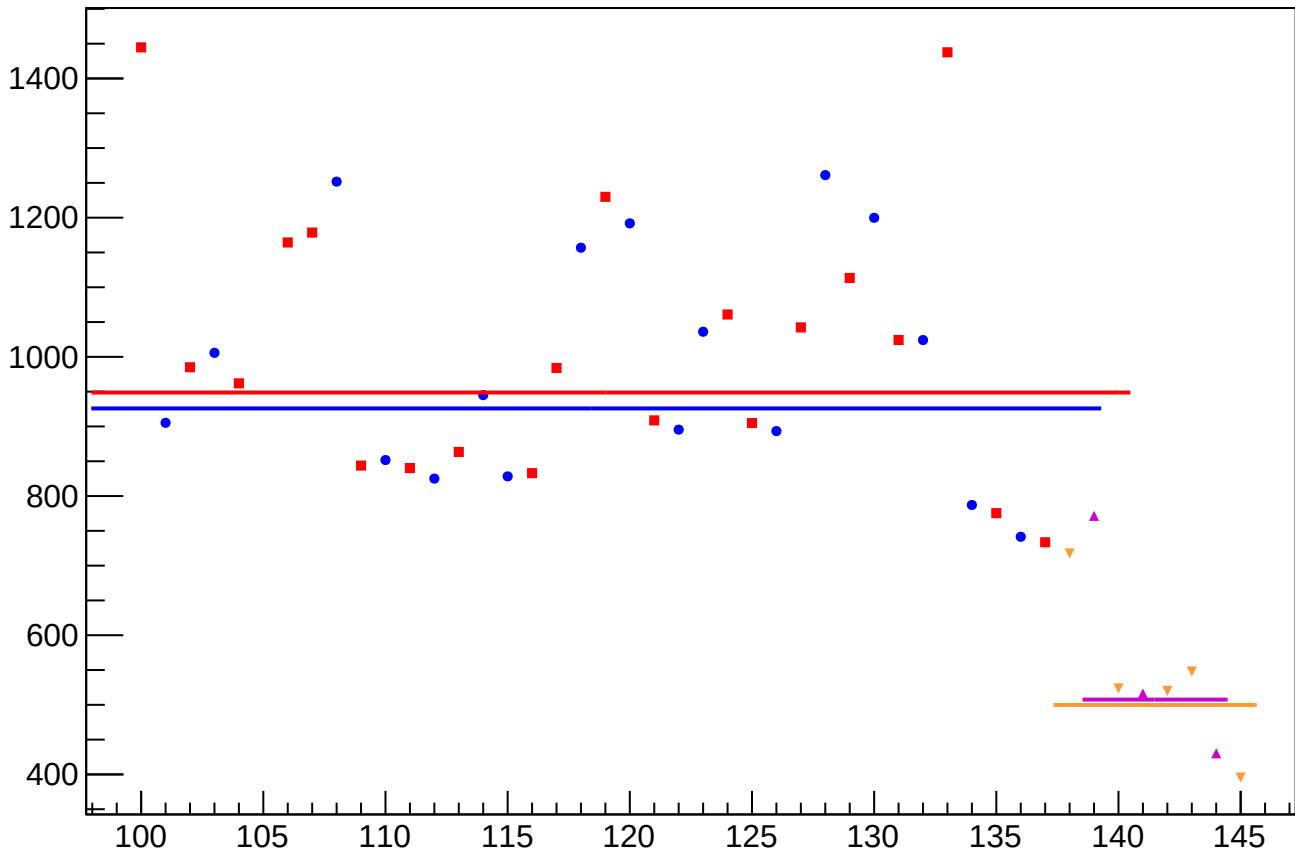
Right Out: -747.208+/-360.830 χ^2/NDF : 13.4/19

Left In: -399.996+/-335.989 χ^2/NDF : 1.8/2

-475.728+/-221.986 χ^2/NDF : 33.6/21

-561.240+/-245.893 χ^2/NDF : 15.7/22

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2/NDF : 391084.5/16

Left Out: 499.810 $\pm$ 0.197 χ^2/NDF : 252145.0/4

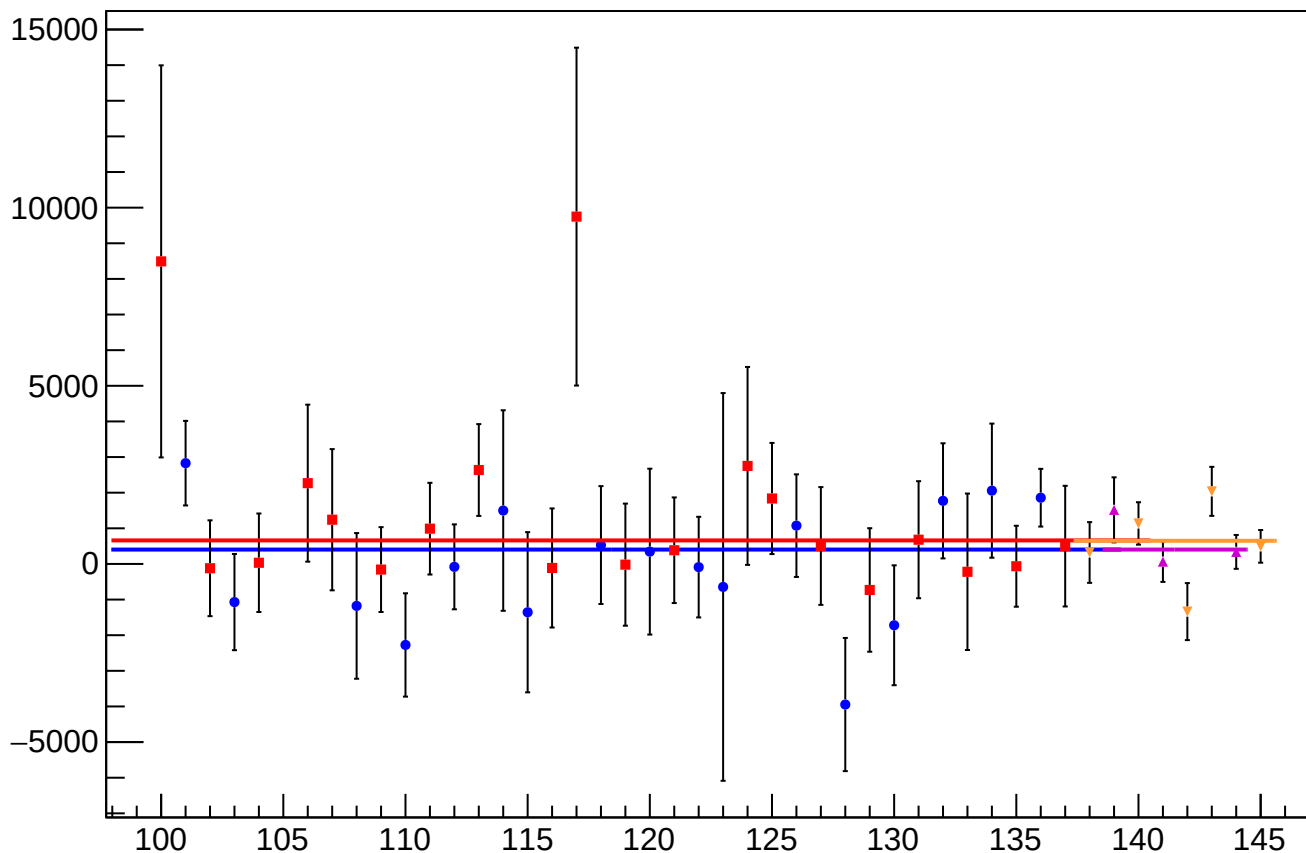
Right Out: 948.760 $\pm$ 0.255 χ^2/NDF : 382044.0/19

Left In: 507.511 $\pm$ 0.238 χ^2/NDF : 223350.7/2

656.179 $\pm$ 0.157 χ^2/NDF : 2354888.8/21

712.426 $\pm$ 0.174 χ^2/NDF : 2207291.5/22

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 650.467+/-281.325 χ^2/NDF : 11.2/4

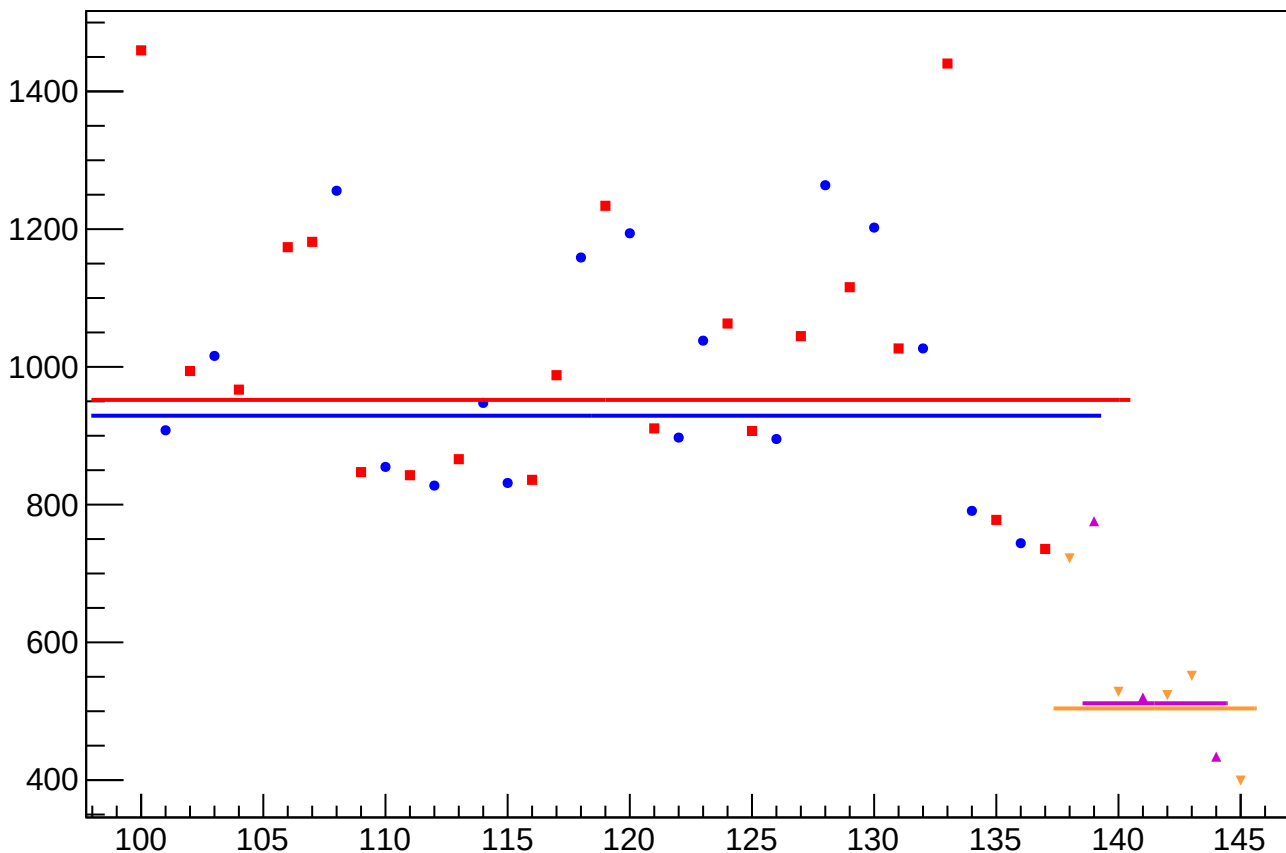
Right Out: 660.630+/-362.265 χ^2/NDF : 12.5/19

Left In: 403.395+/-338.568 χ^2/NDF : 1.9/2

559.308+/-223.427 χ^2/NDF : 33.9/21

523.324+/-247.357 χ^2/NDF : 14.7/22

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 504.054+/-0.199 χ^2/NDF : 249052.1/4

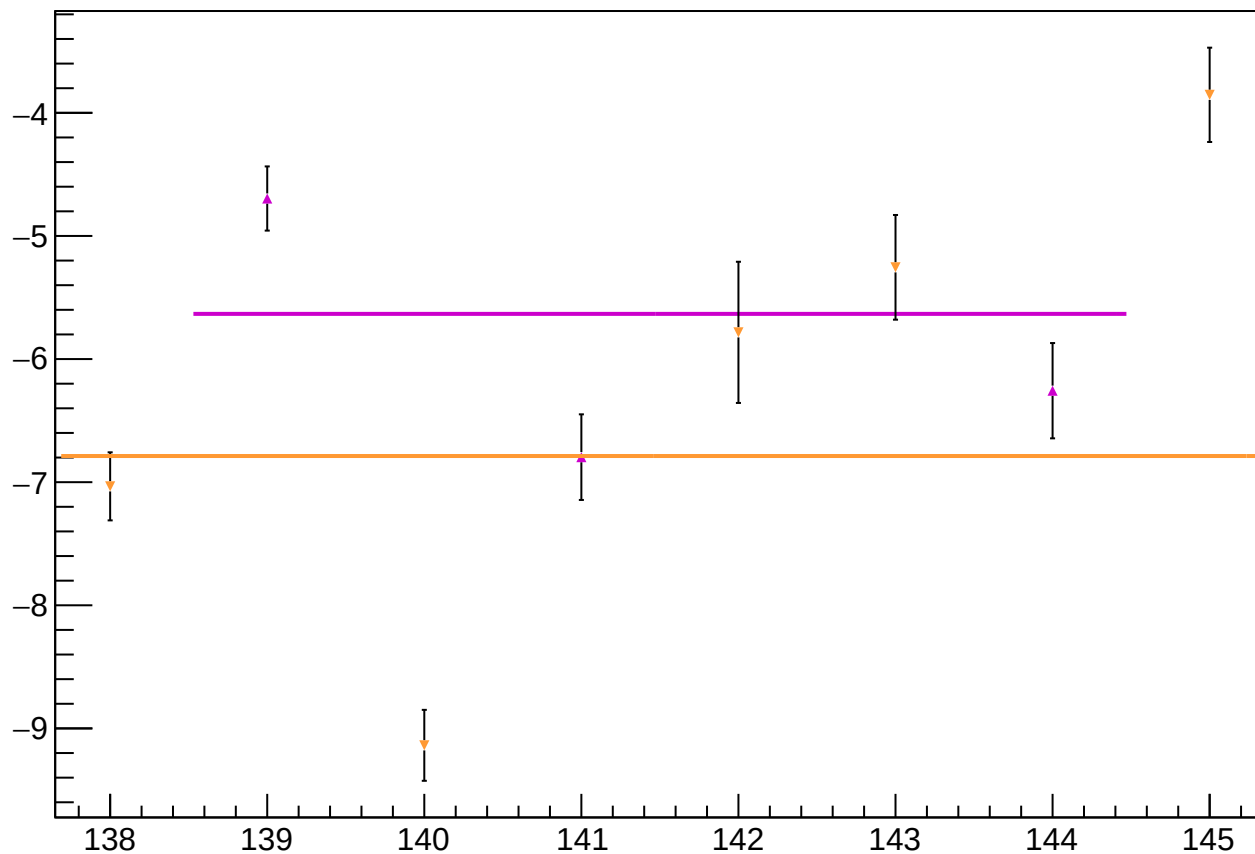
Right Out: 952.057+/-0.256 χ^2/NDF : 382334.5/19

Left In: 511.539+/-0.239 χ^2/NDF : 221356.1/2

661.001+/-0.158 χ^2/NDF : 2325112.0/21

716.920+/-0.175 χ^2/NDF : 2182256.0/22

reg_asym_sam1_diff_bpm1X_slope vs Slug



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

Left Out: -6.788+/-0.157 χ^2/NDF : 142.0/4

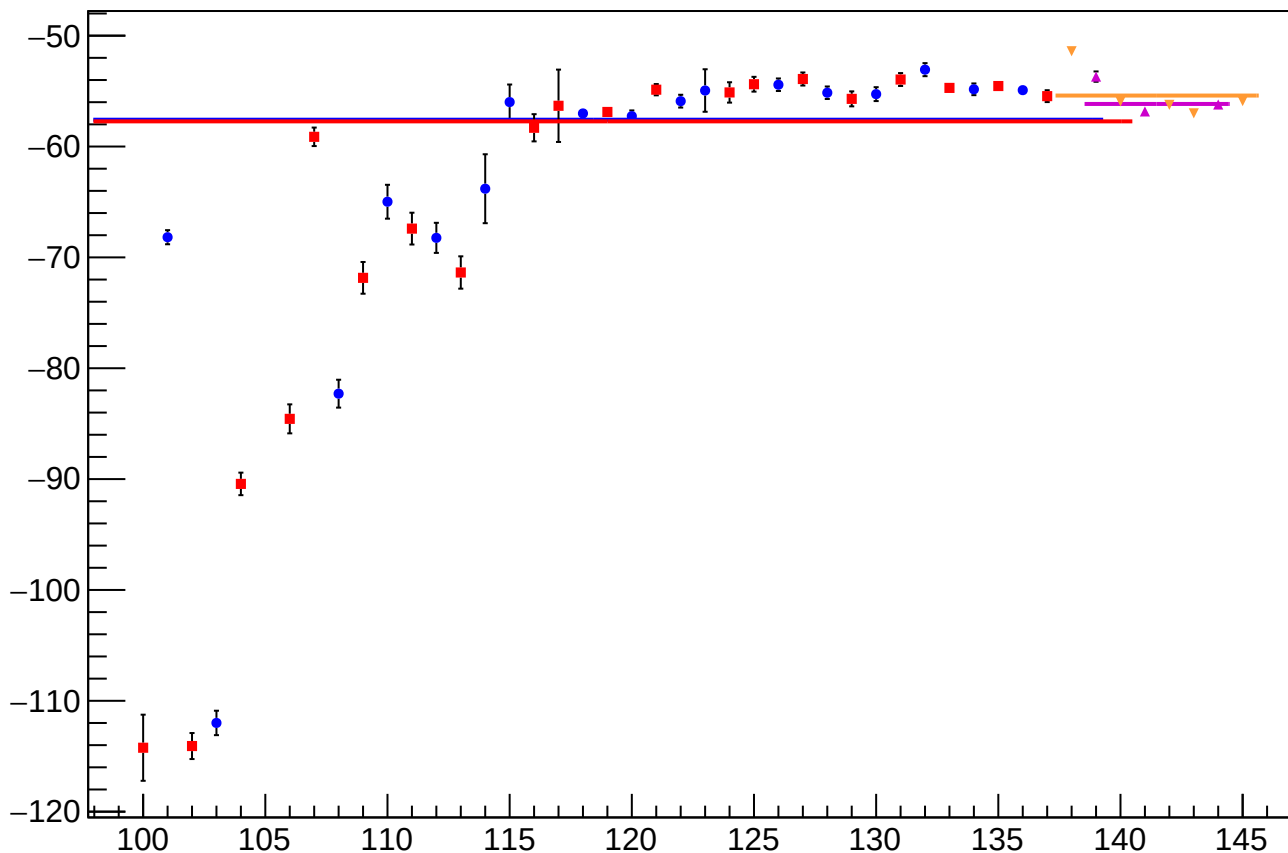
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -5.633+/-0.184 χ^2/NDF : 26.7/2

-6.788+/-0.157 χ^2/NDF : 142.0/4

-5.633+/-0.184 χ^2/NDF : 26.7/2

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 $\chi^2/\text{NDF}: 3455.5/16$

Left Out: -55.401 ± 0.134 $\chi^2/\text{NDF}: 195.5/4$

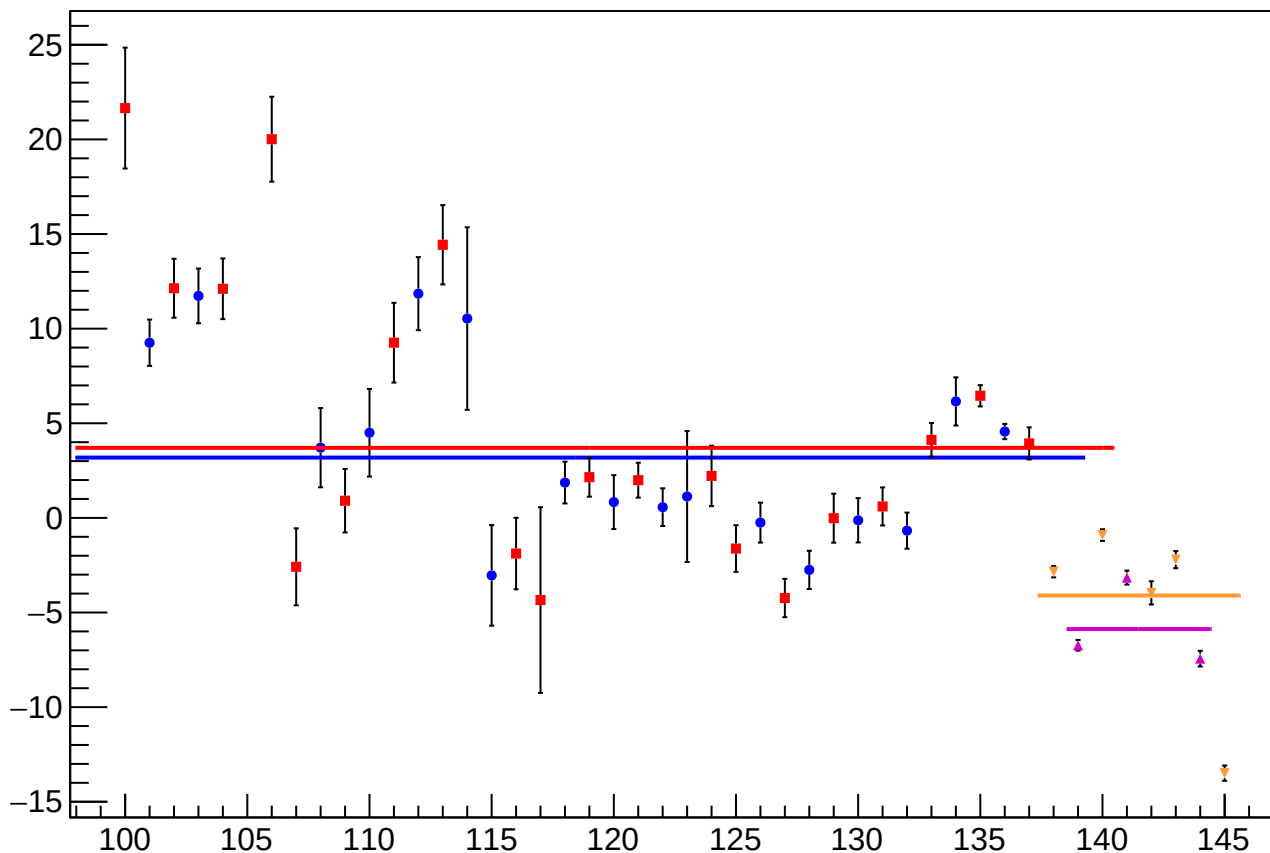
Right Out: -57.730 ± 0.143 $\chi^2/\text{NDF}: 4698.7/19$

Left In: -56.159 ± 0.173 $\chi^2/\text{NDF}: 35.2/2$

-56.423 ± 0.098 $\chi^2/\text{NDF}: 3774.3/21$

-57.094 ± 0.110 $\chi^2/\text{NDF}: 4782.8/22$

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 $\pm$ 0.259 χ^2 /NDF: 185.8/16

Left Out: -4.101 $\pm$ 0.168 χ^2 /NDF: 682.0/4

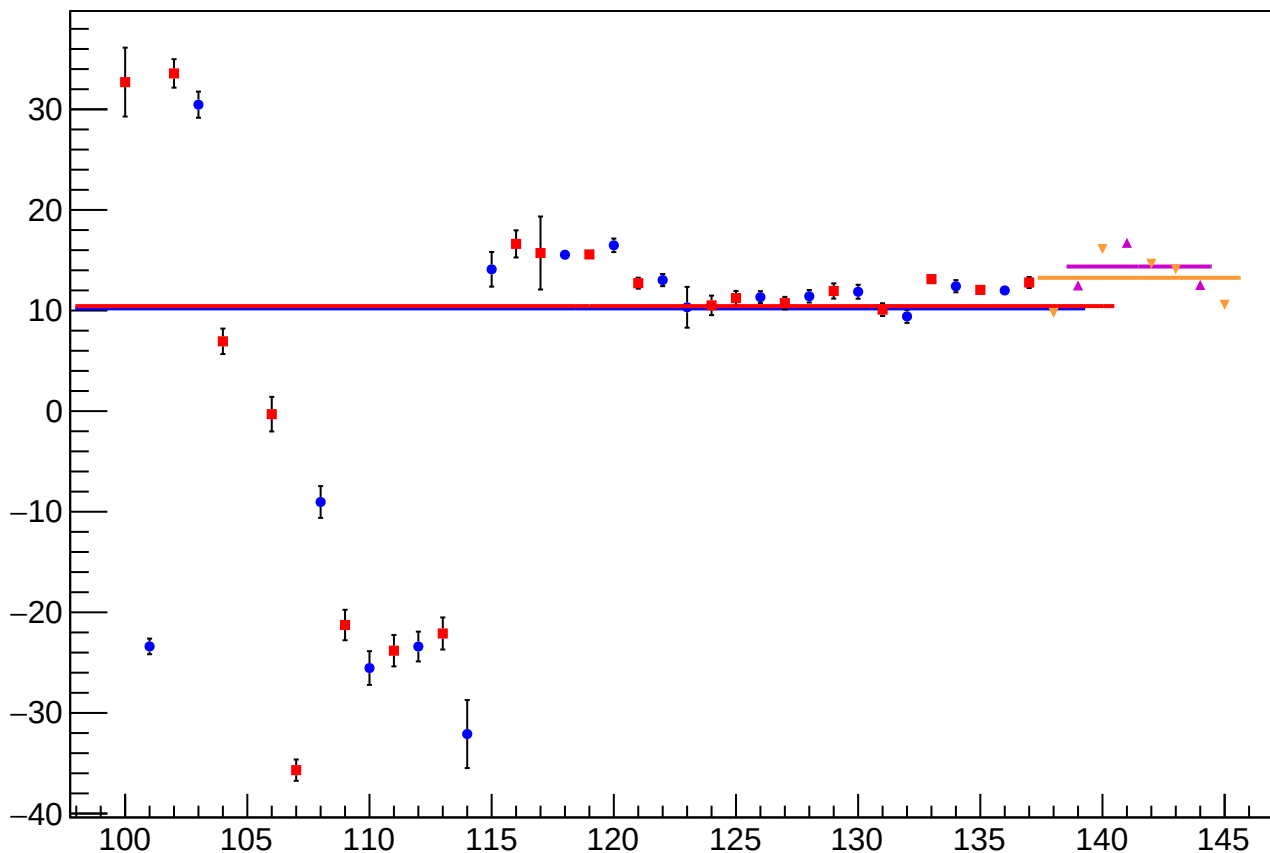
Right Out: 3.702 $\pm$ 0.267 χ^2 /NDF: 326.8/19

Left In: -5.875 $\pm$ 0.197 χ^2 /NDF: 77.5/2

-1.939 $\pm$ 0.141 χ^2 /NDF: 1424.5/21

-2.492 $\pm$ 0.159 χ^2 /NDF: 1235.6/22

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 $\pm$ 0.158 χ^2/NDF : 3692.6/16

Left Out: 13.255 $\pm$ 0.157 χ^2/NDF : 264.4/4

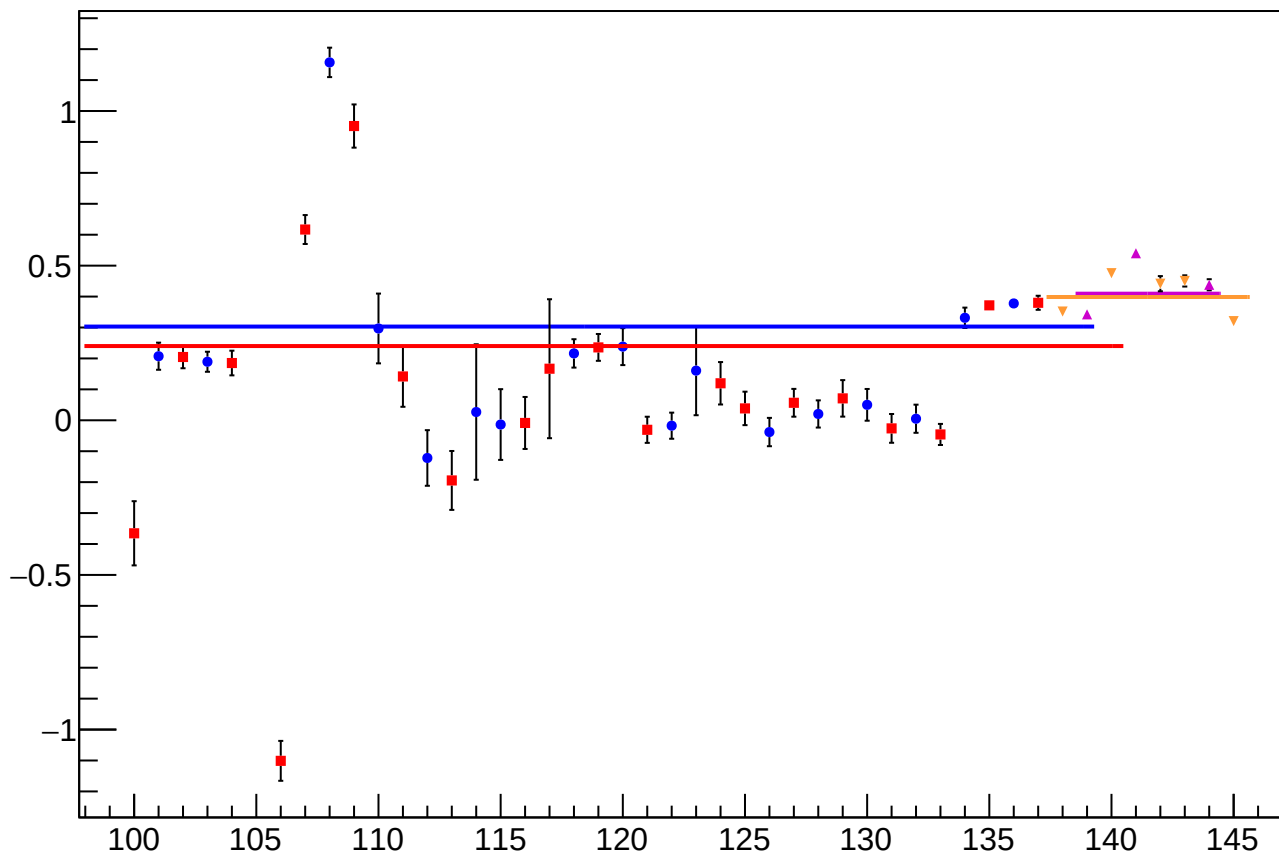
Right Out: 10.440 $\pm$ 0.160 χ^2/NDF : 3829.1/19

Left In: 14.373 $\pm$ 0.199 χ^2/NDF : 110.0/2

11.745 $\pm$ 0.111 χ^2/NDF : 4143.2/21

11.985 $\pm$ 0.125 χ^2/NDF : 4176.7/22

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.399 $\pm$ 0.007 χ^2 /NDF: 85.7/4

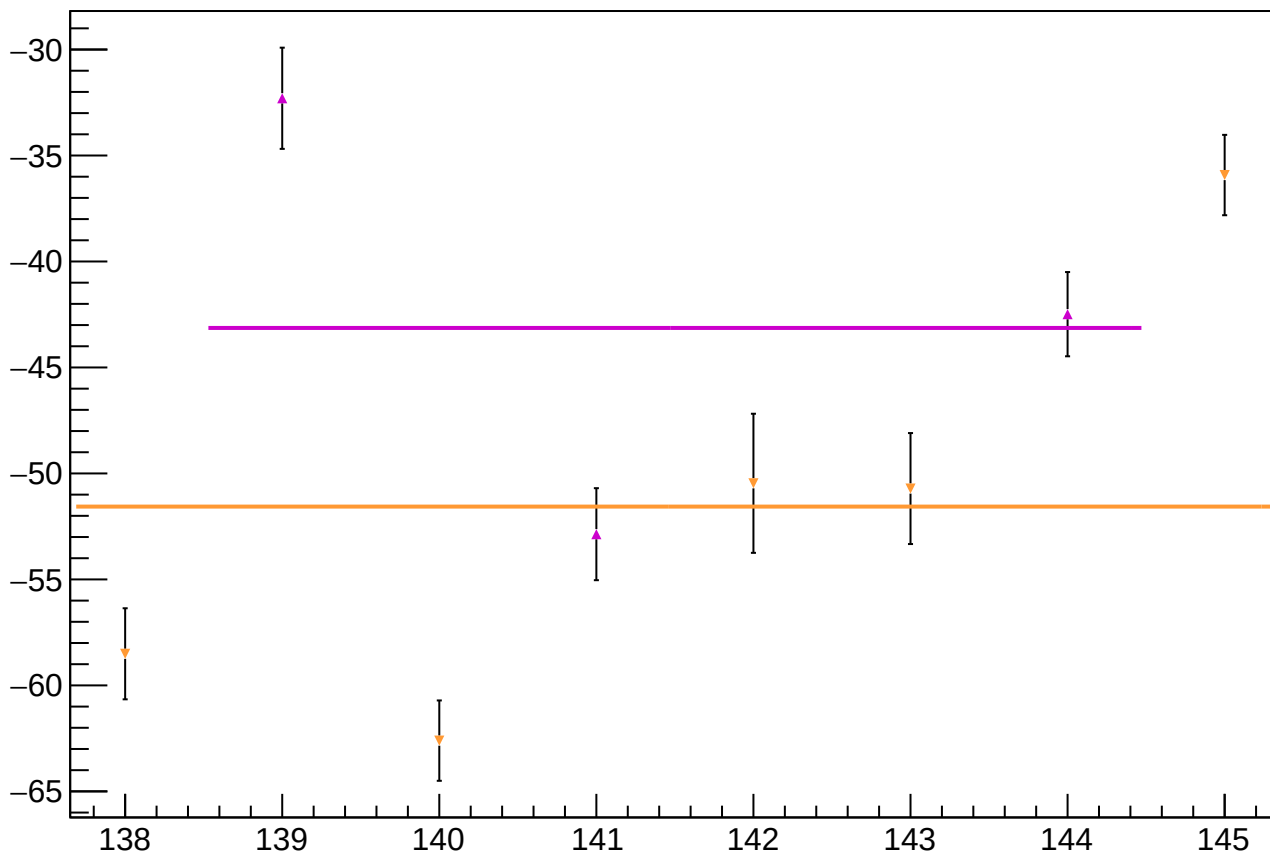
Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.5/19

Left In: 0.409 $\pm$ 0.008 χ^2 /NDF: 125.3/2

0.360 $\pm$ 0.005 χ^2 /NDF: 812.6/21

0.335 $\pm$ 0.006 χ^2 /NDF: 1332.2/22

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -51.564+/-0.994 χ^2/NDF : 112.7/4

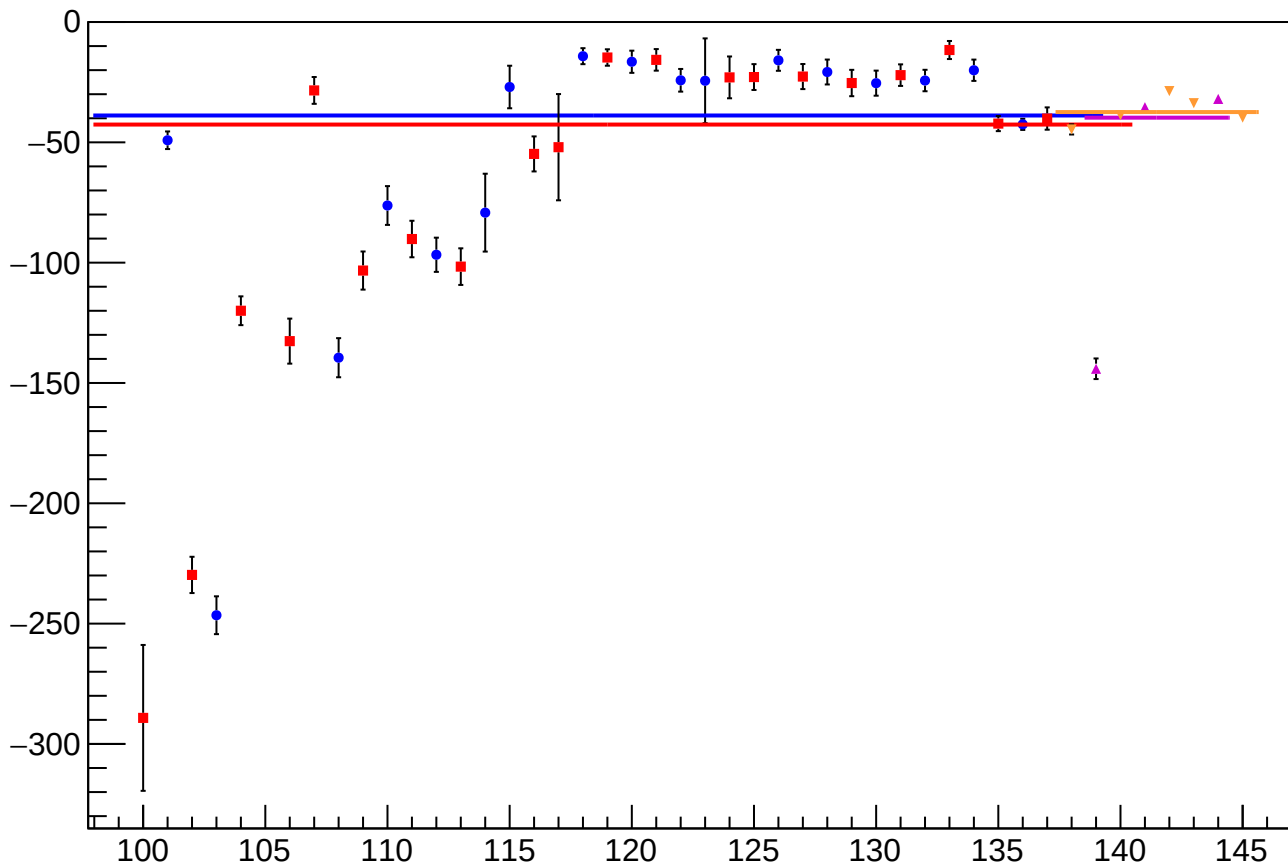
-51.564+/-0.994 χ^2/NDF : 112.7/4

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

-43.135+/-1.249 χ^2/NDF : 40.8/2

Left In: -43.135+/-1.249 χ^2/NDF : 40.8/2

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -37.418 ± 0.788 $\chi^2/\text{NDF}: 36.7/4$

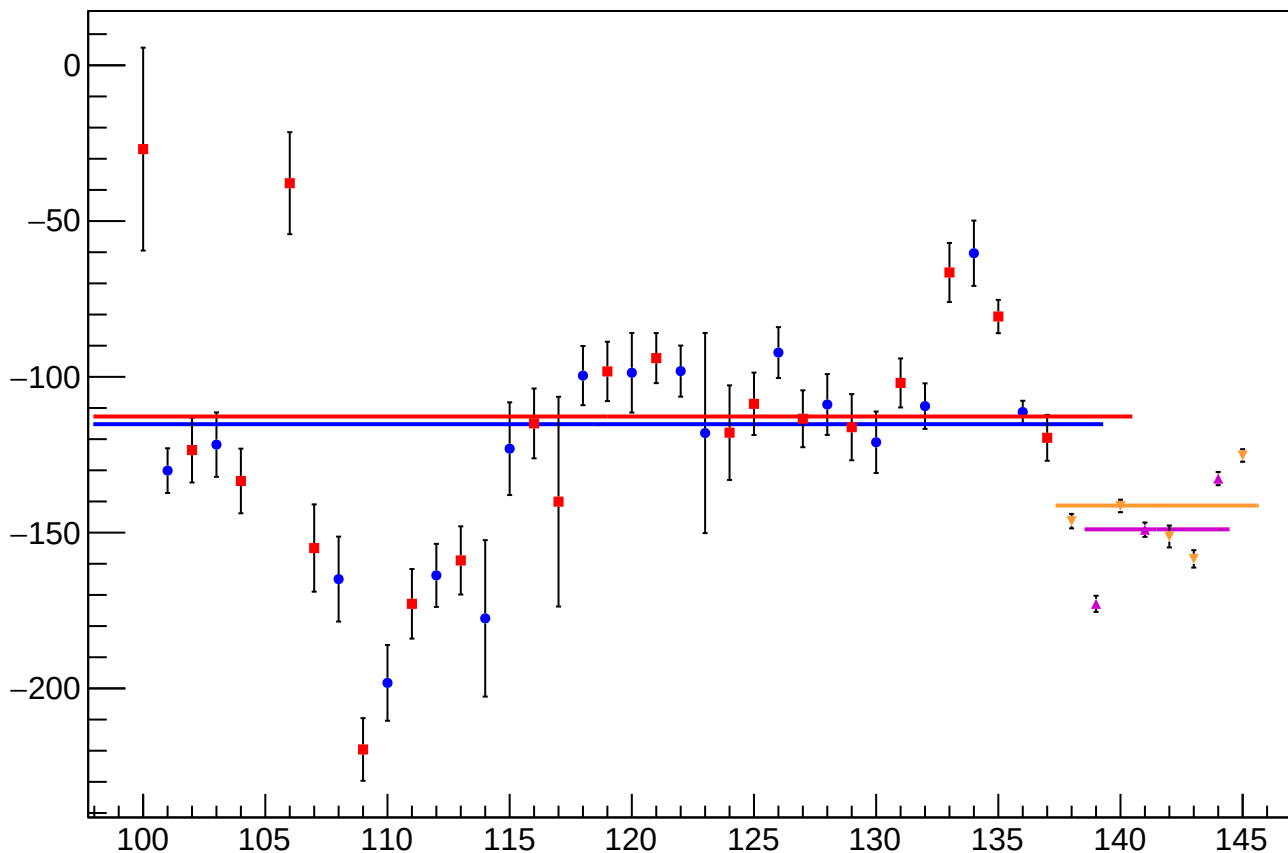
Right Out: -42.614 ± 1.208 $\chi^2/\text{NDF}: 1345.9/19$

Left In: -39.750 ± 1.016 $\chi^2/\text{NDF}: 632.0/2$

-37.874 ± 0.650 $\chi^2/\text{NDF}: 1159.6/21$

-40.936 ± 0.777 $\chi^2/\text{NDF}: 1981.2/22$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199+/-2.081 χ^2/NDF : 140.8/16

Left Out: -141.313+/-1.063 χ^2/NDF : 113.6/4

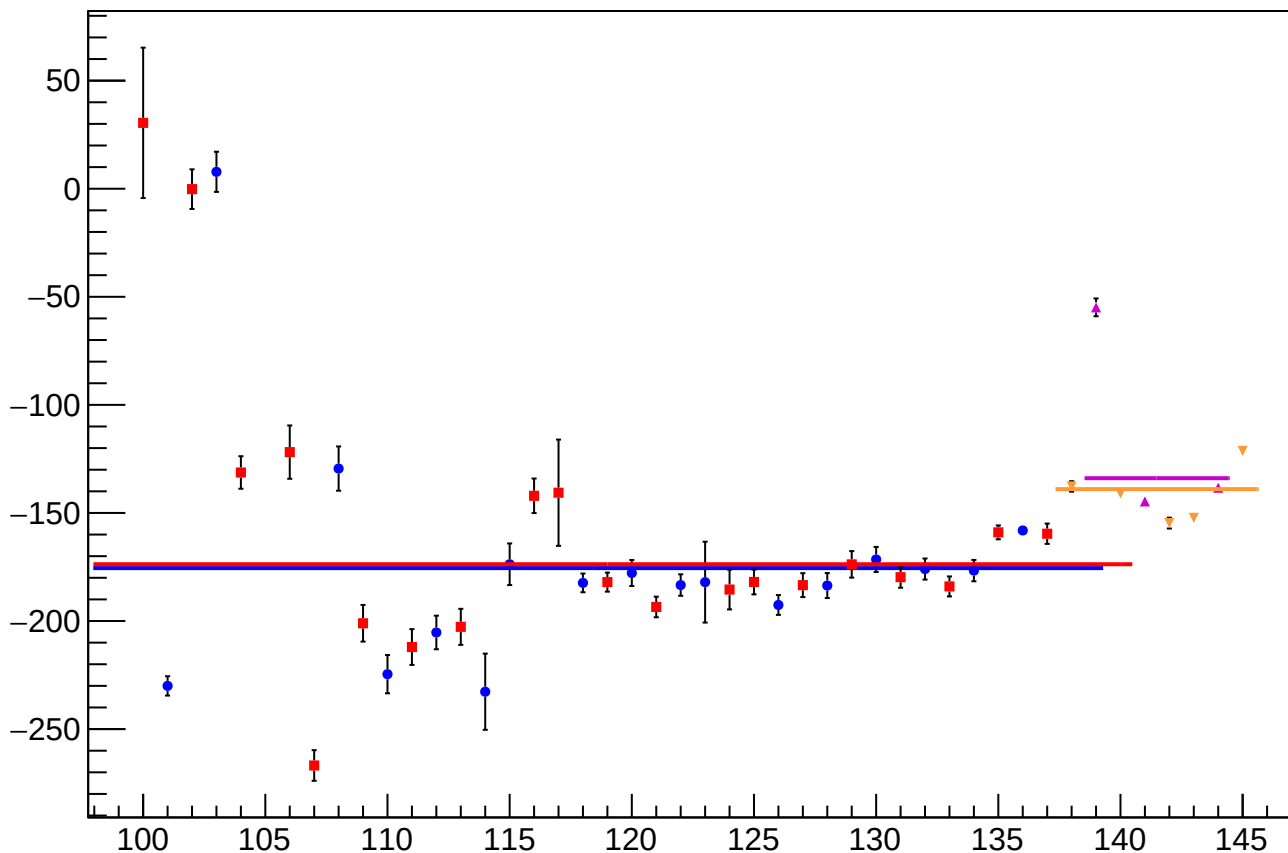
-135.909+/-0.947 χ^2/NDF : 379.2/21

Right Out: -112.729+/-2.205 χ^2/NDF : 273.1/19

-139.189+/-1.144 χ^2/NDF : 614.3/22

Left In: -148.949+/-1.339 χ^2/NDF : 144.0/2

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 $\chi^2/\text{NDF}: 692.3/16$

Left Out: -138.984 ± 0.933 $\chi^2/\text{NDF}: 178.5/4$

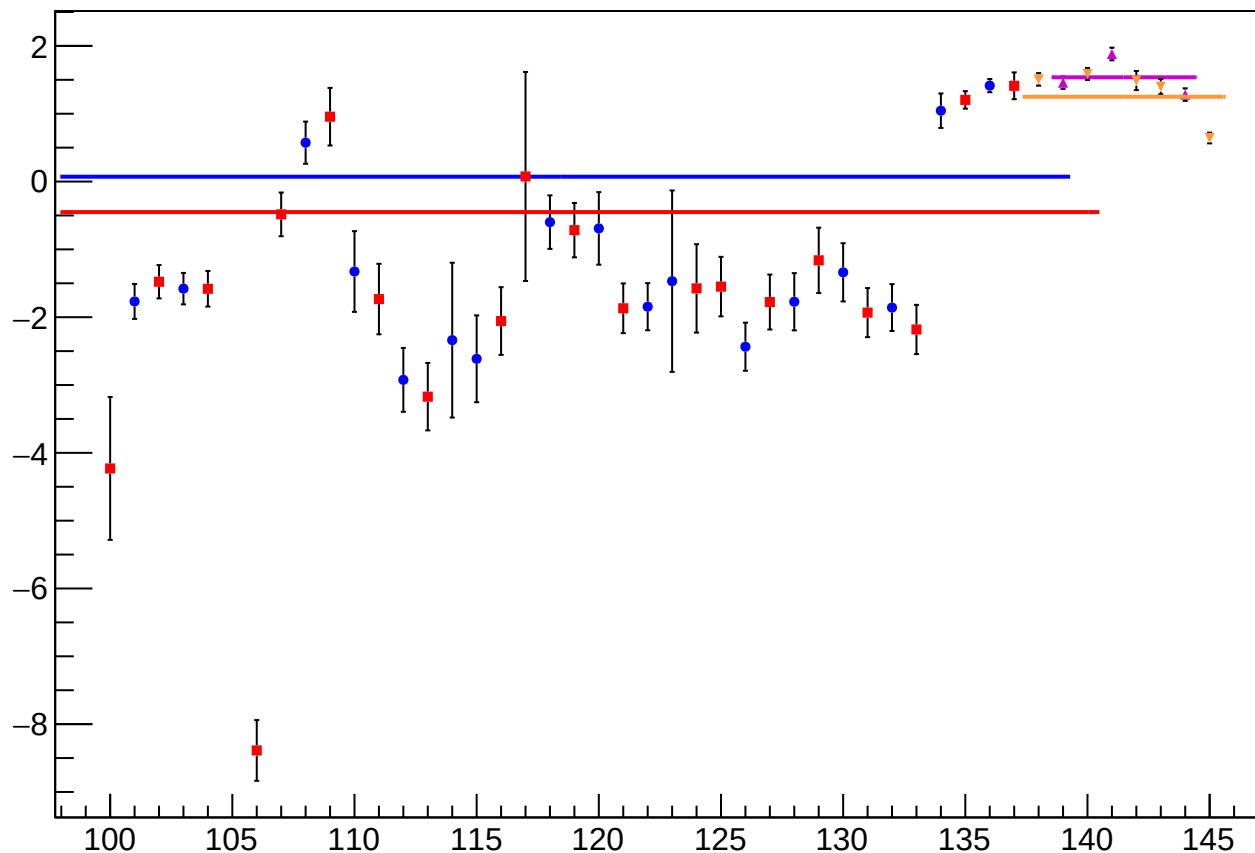
Right Out: -173.729 ± 1.354 $\chi^2/\text{NDF}: 739.7/19$

Left In: -133.923 ± 1.195 $\chi^2/\text{NDF}: 408.2/2$

-151.698 ± 0.753 $\chi^2/\text{NDF}: 1404.5/21$

-151.344 ± 0.896 $\chi^2/\text{NDF}: 1633.6/22$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 $\pm$ 0.067 χ^2 /NDF: 525.2/16

Left Out: 1.250 $\pm$ 0.043 χ^2 /NDF: 86.1/4

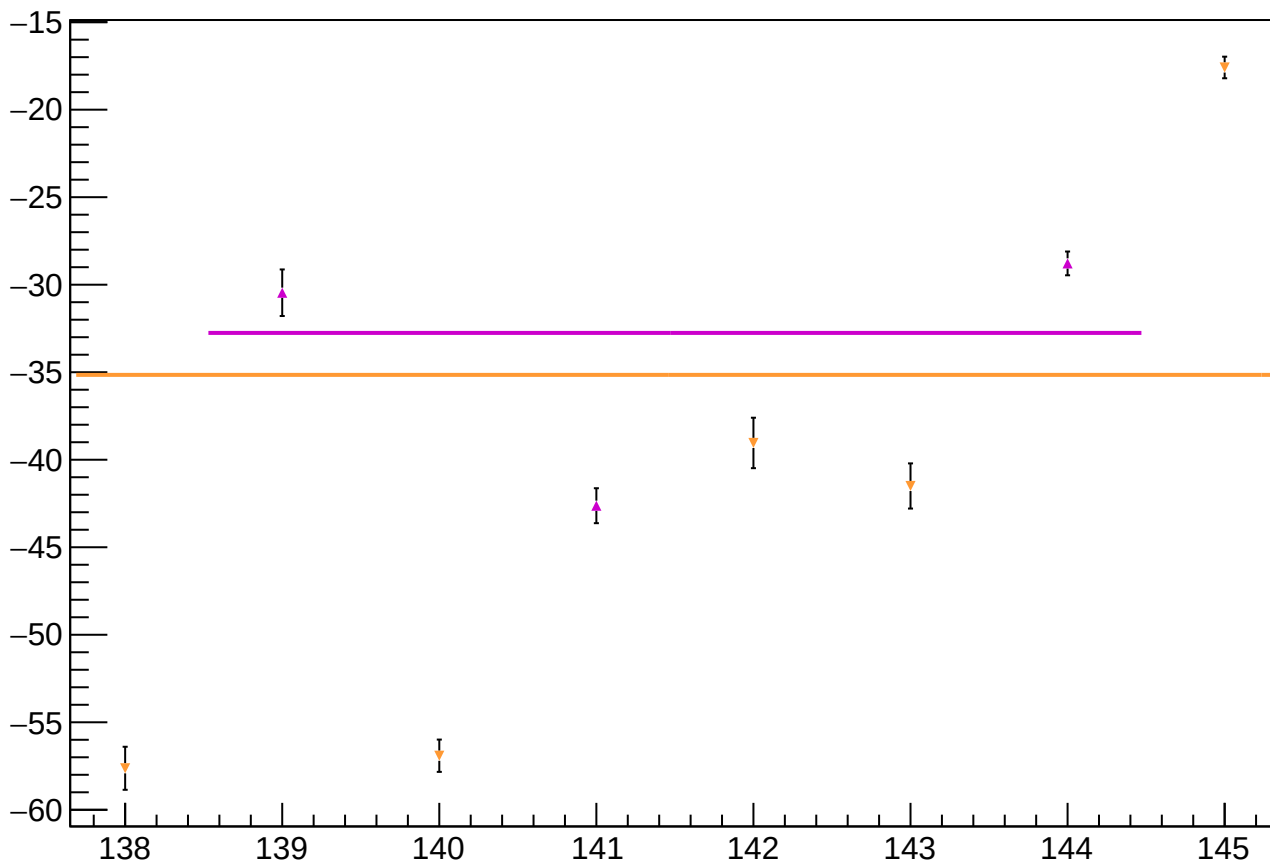
Right Out: -0.450 $\pm$ 0.071 χ^2 /NDF: 751.4/19

Left In: 1.537 $\pm$ 0.053 χ^2 /NDF: 22.0/2

0.905 $\pm$ 0.036 χ^2 /NDF: 829.3/21

0.826 $\pm$ 0.043 χ^2 /NDF: 1272.7/22

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -35.152+/-0.425 χ^2/NDF : 1731.8/4

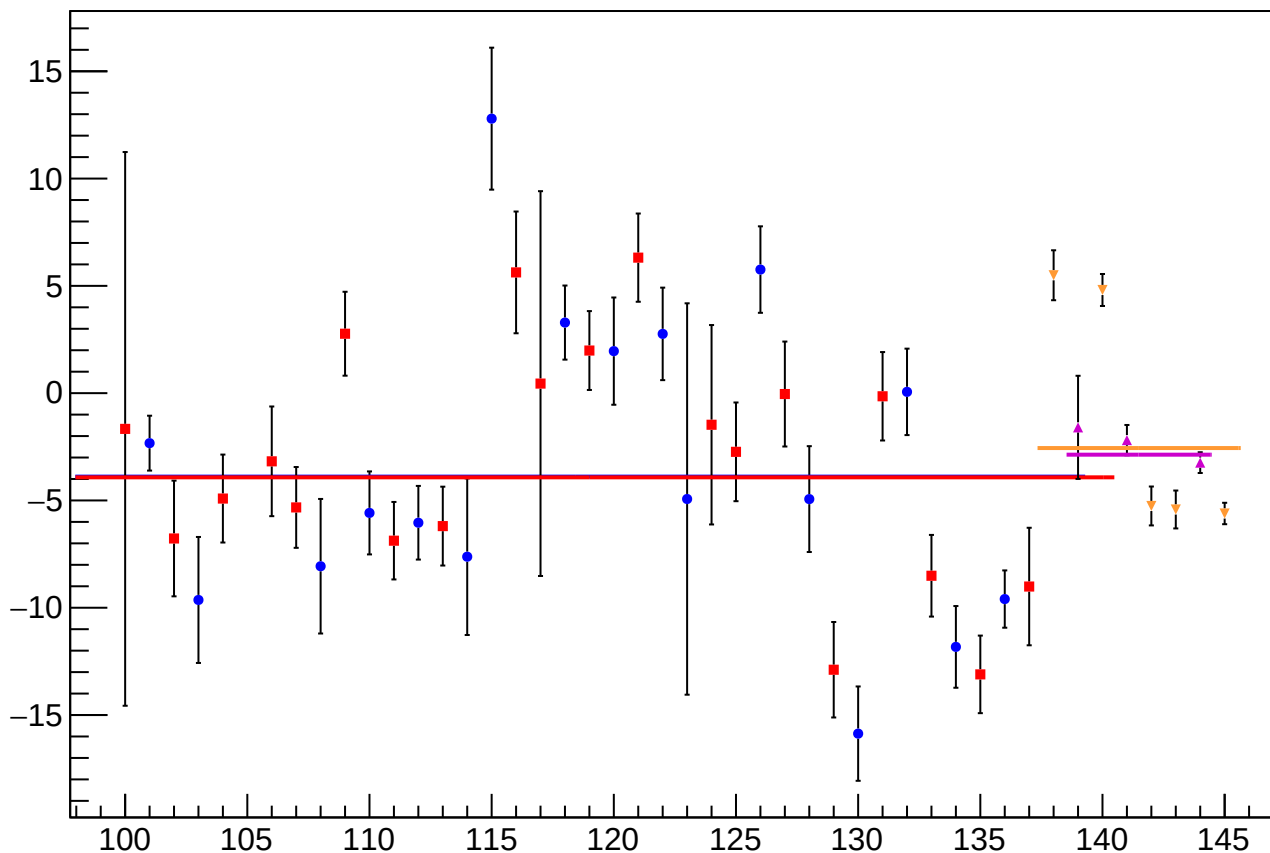
-35.152+/-0.425 χ^2/NDF : 1731.8/4

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

-32.754+/-0.517 χ^2/NDF : 135.0/2

Left In: -32.754+/-0.517 χ^2/NDF : 135.0/2

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -2.558 ± 0.332 $\chi^2/\text{NDF}: 202.2/4$

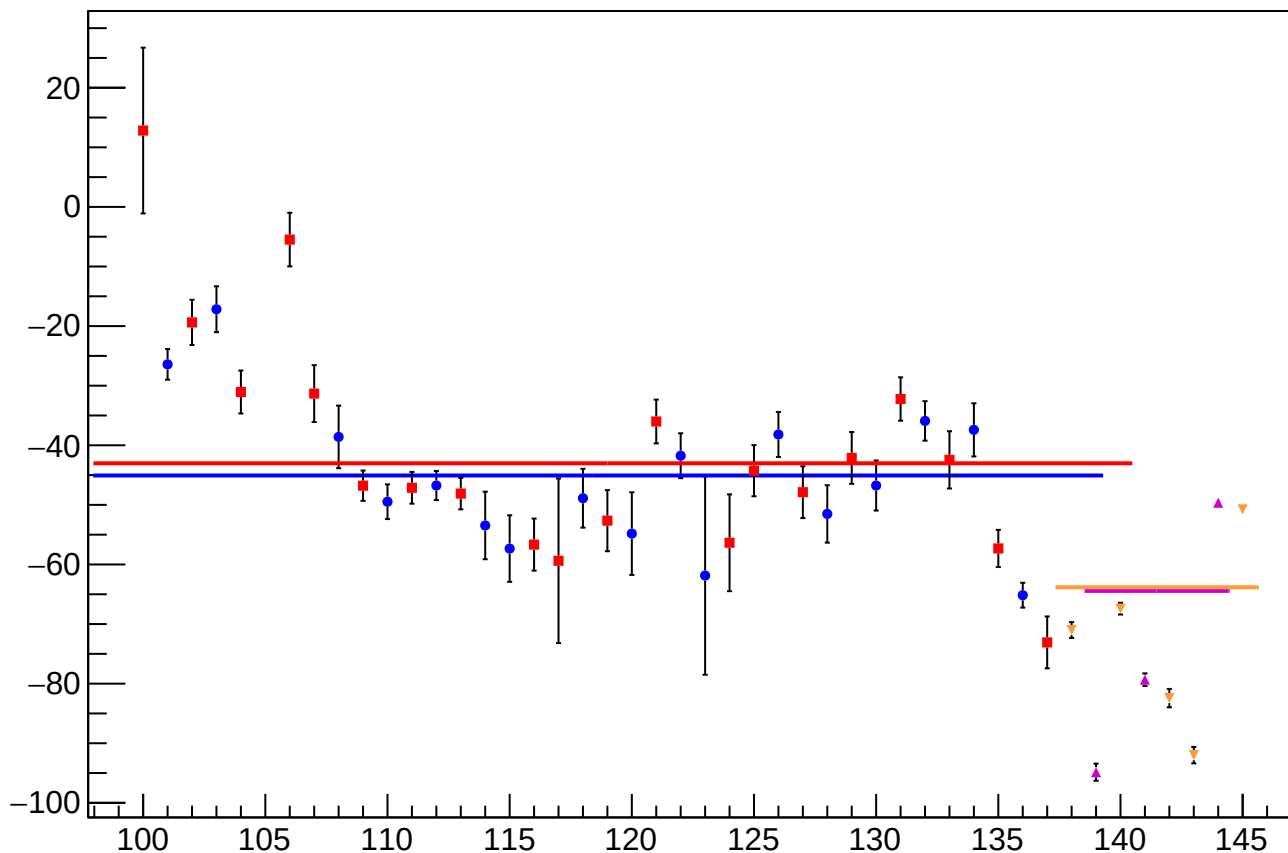
Right Out: -3.923 ± 0.506 $\chi^2/\text{NDF}: 122.4/19$

Left In: -2.867 ± 0.394 $\chi^2/\text{NDF}: 1.8/2$

-2.968 ± 0.277 $\chi^2/\text{NDF}: 367.7/21$

-3.265 ± 0.311 $\chi^2/\text{NDF}: 126.9/22$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -63.827 ± 0.453 χ^2/NDF : 1004.4/4

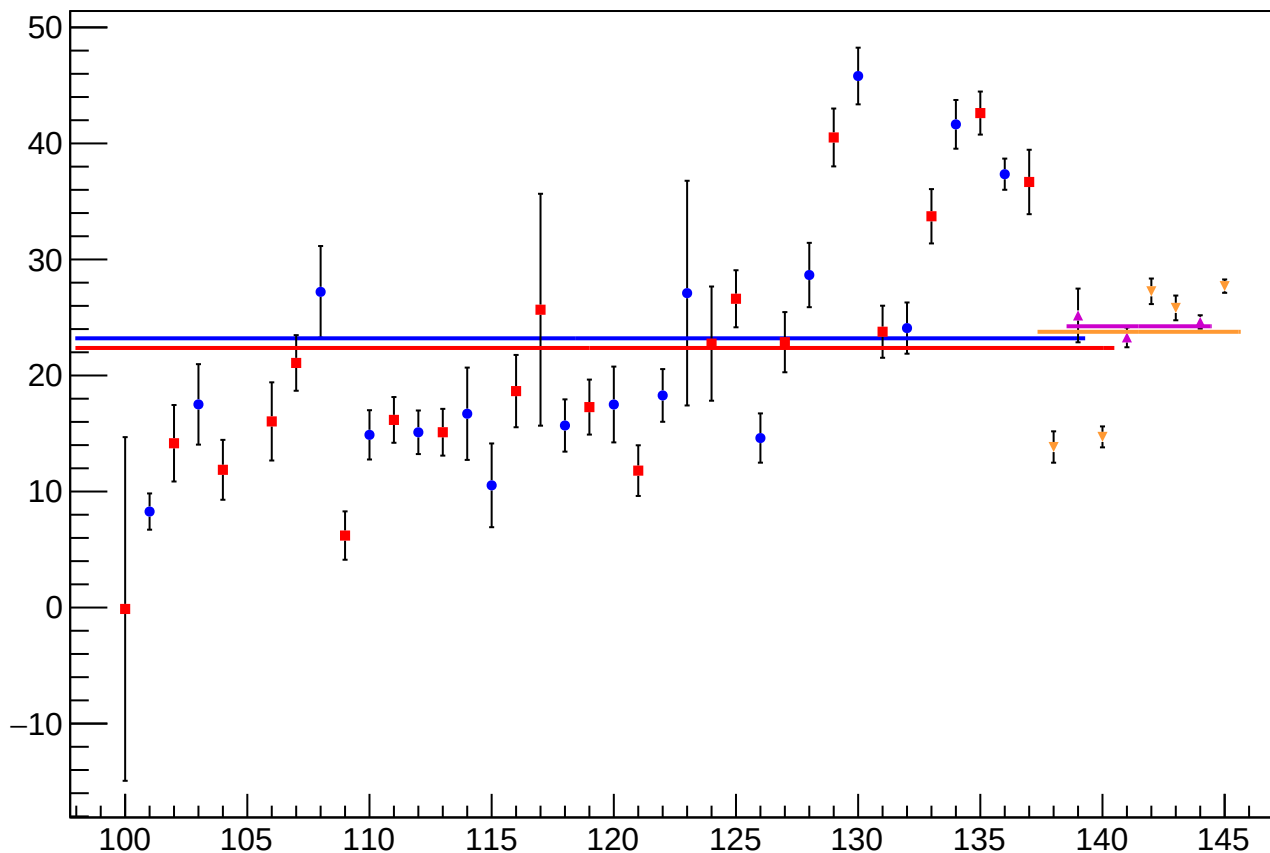
Right Out: -43.025 ± 0.876 χ^2/NDF : 249.7/19

Left In: -64.434 ± 0.554 χ^2/NDF : 1057.1/2

-59.923 ± 0.403 χ^2/NDF : 1591.2/21

-58.316 ± 0.468 χ^2/NDF : 1733.3/22

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 23.765 $\pm$ 0.392 χ^2 /NDF: 215.1/4

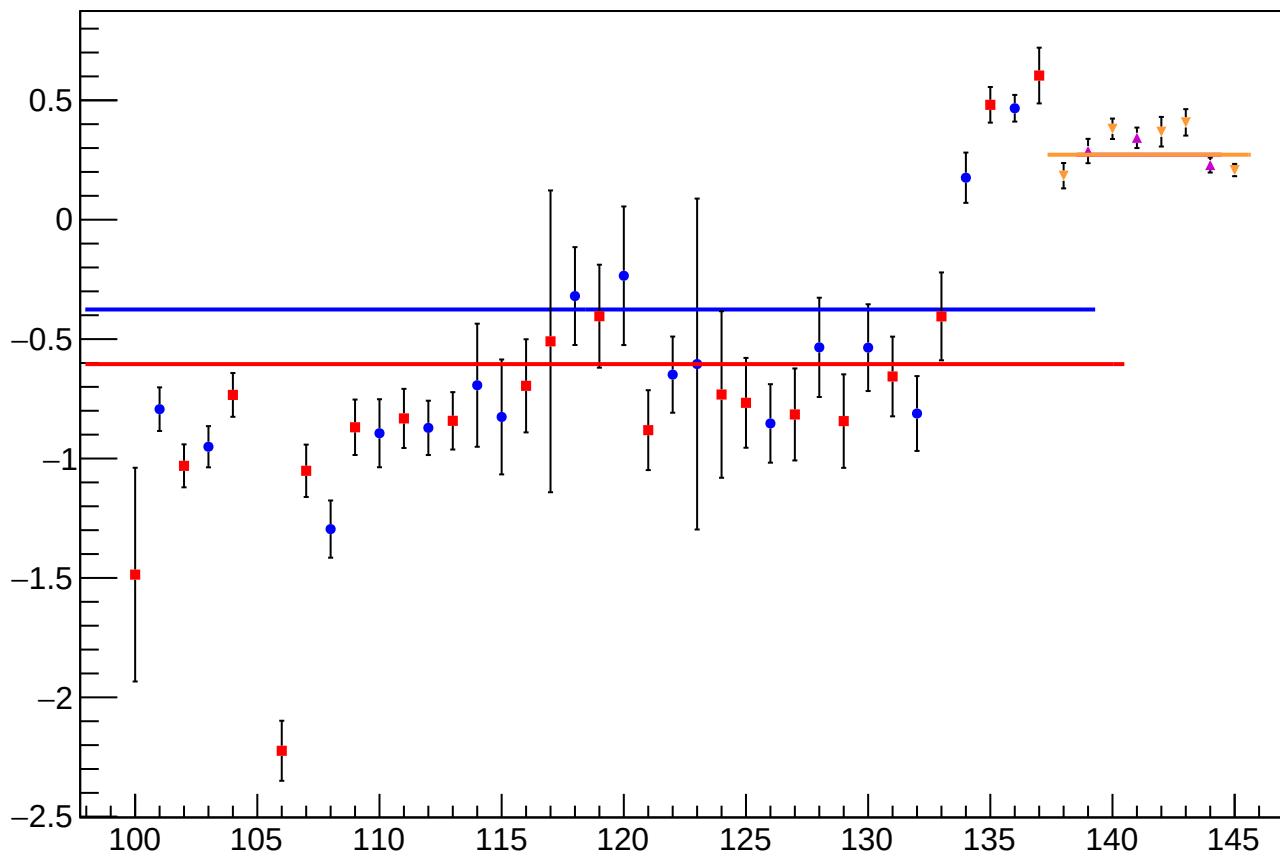
Right Out: 22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

Left In: 24.242 $\pm$ 0.466 χ^2 /NDF: 1.9/2

23.580 $\pm$ 0.321 χ^2 /NDF: 673.0/21

23.495 $\pm$ 0.361 χ^2 /NDF: 375.2/22

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.272 ± 0.018 $\chi^2/\text{NDF}: 23.8/4$

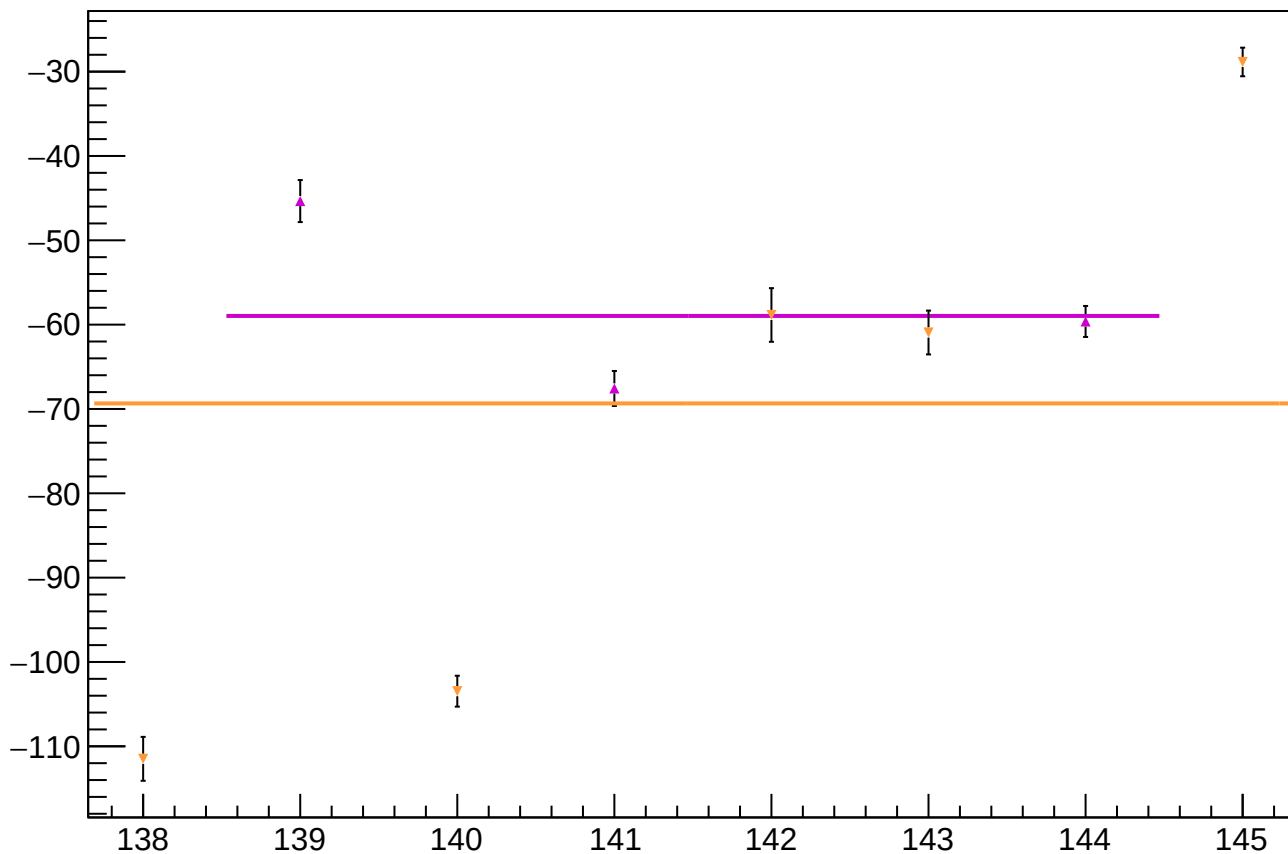
Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

Left In: 0.272 ± 0.023 $\chi^2/\text{NDF}: 4.7/2$

0.098 ± 0.016 $\chi^2/\text{NDF}: 799.6/21$

-0.044 ± 0.018 $\chi^2/\text{NDF}: 1095.6/22$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -69.342+/-0.980 χ^2/NDF : 1200.4/4

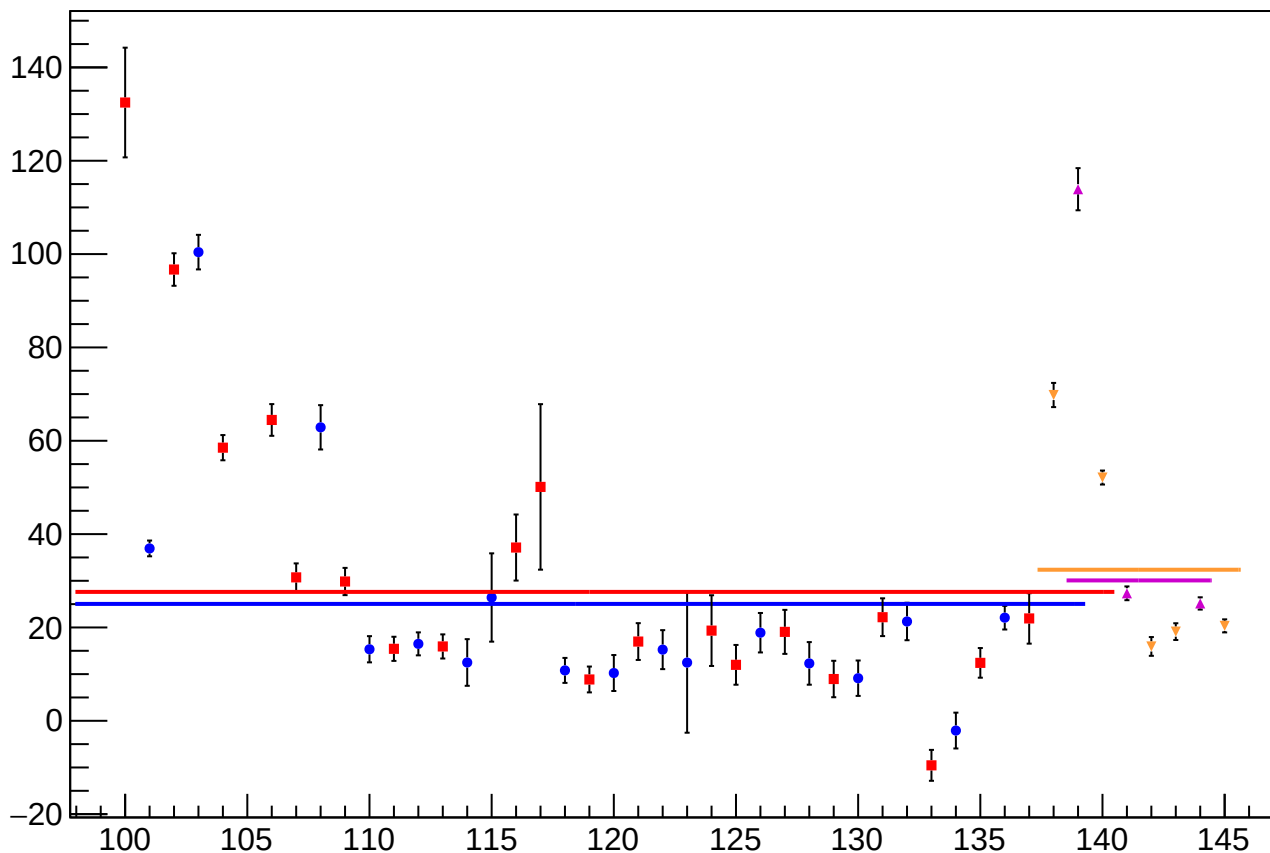
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -58.967+/-1.205 χ^2/NDF : 47.2/2

-69.342+/-0.980 χ^2/NDF : 1200.4/4

-58.967+/-1.205 χ^2/NDF : 47.2/2

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045+/-0.806 χ^2/NDF : 686.4/16

Left Out: 32.370+/-0.775 χ^2/NDF : 577.7/4

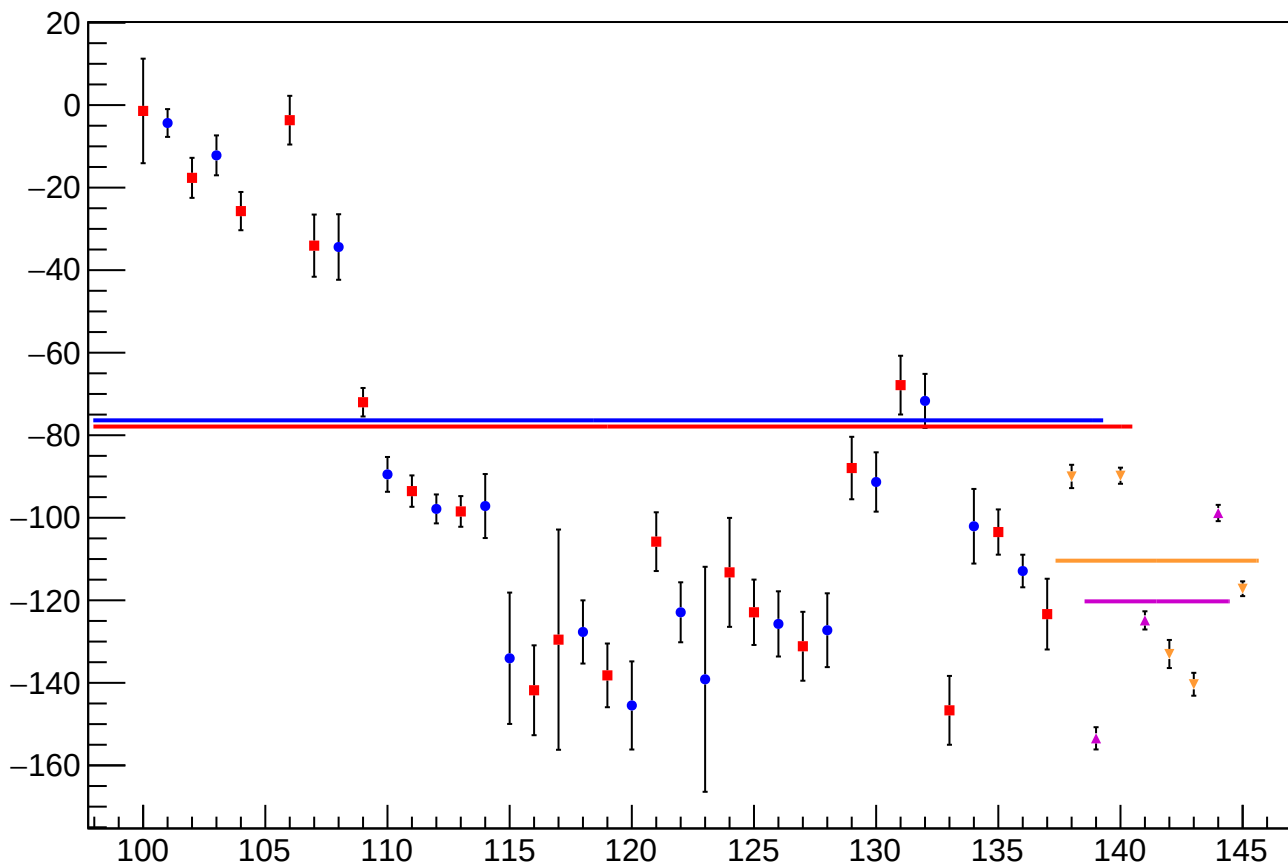
Right Out: 27.620+/-0.809 χ^2/NDF : 1014.4/19

Left In: 30.079+/-0.961 χ^2/NDF : 361.9/2

28.852+/-0.559 χ^2/NDF : 1307.1/21

28.641+/-0.619 χ^2/NDF : 1380.1/22

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 $\pm$ 1.416 χ^2/NDF : 1031.9/16

Left Out: -110.397 $\pm$ 1.045 χ^2/NDF : 338.6/4

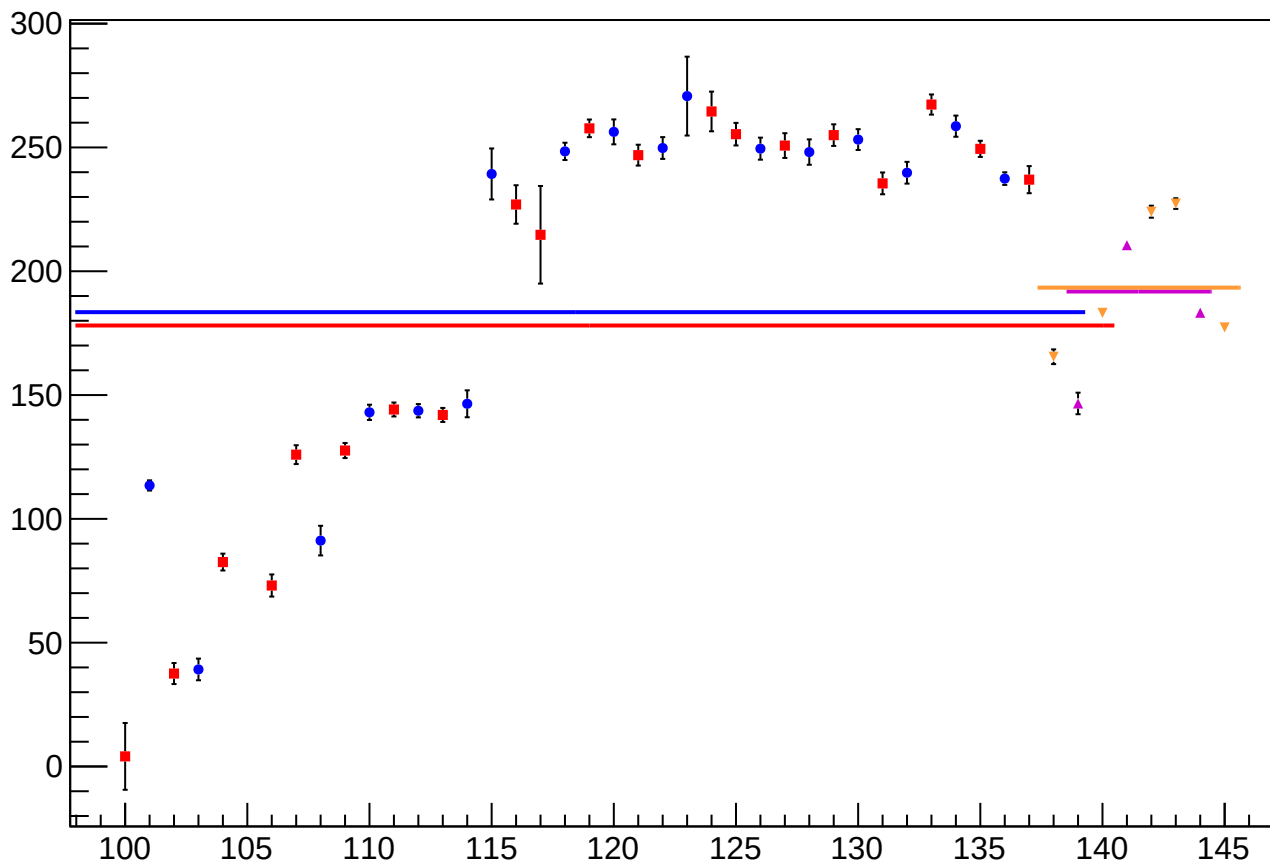
Right Out: -77.894 $\pm$ 1.351 χ^2/NDF : 876.4/19

Left In: -120.256 $\pm$ 1.290 χ^2/NDF : 274.1/2

-98.409 $\pm$ 0.841 χ^2/NDF : 1743.9/21

-100.050 $\pm$ 0.933 χ^2/NDF : 1664.6/22

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 193.381 $\pm$ 0.916 χ^2 /NDF:627.2/4

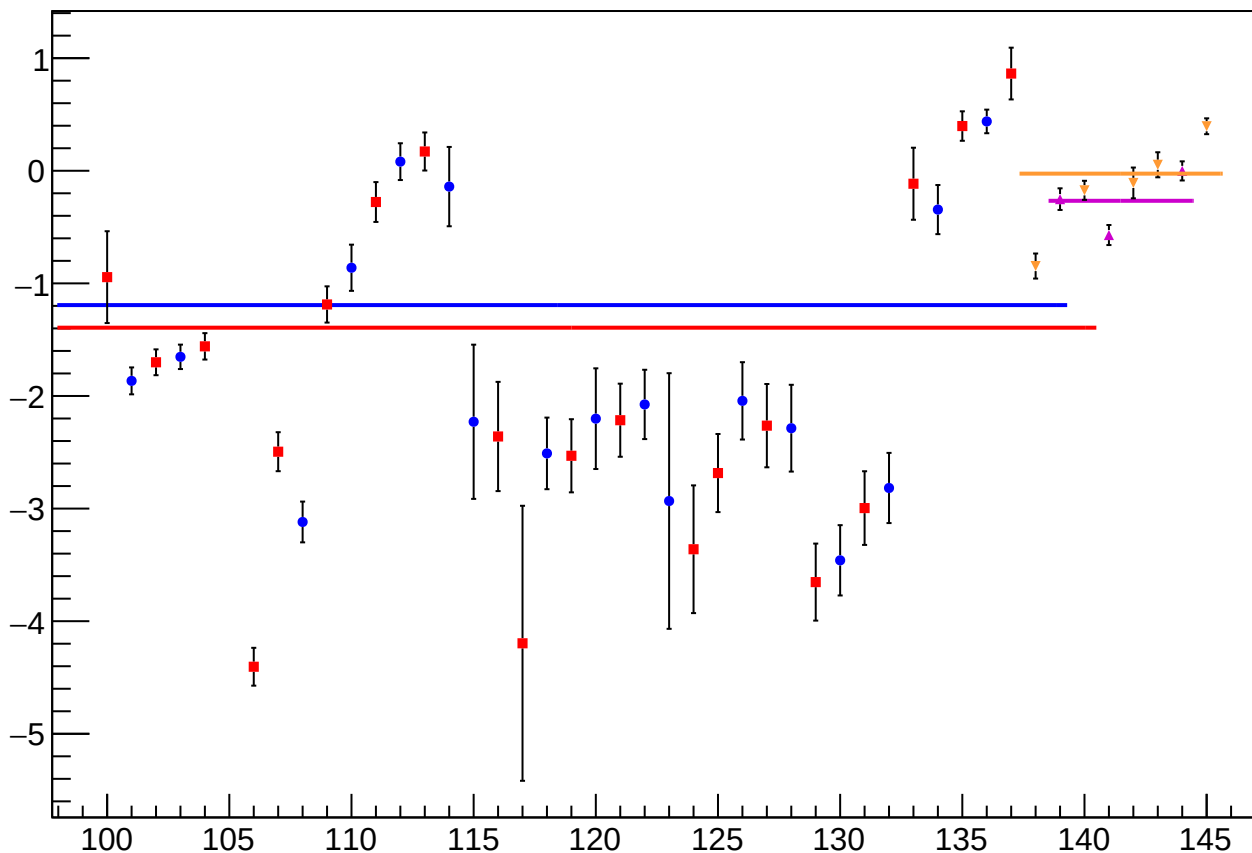
Right Out: 178.092 $\pm$ 0.923 χ^2 /NDF: 6349.2/19

Left In: 191.815 $\pm$ 1.131 χ^2 /NDF:249.0/2

188.442 $\pm$ 0.649 χ^2 /NDF: 6016.9/21

183.575 $\pm$ 0.715 χ^2 /NDF: 6686.5/22

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.025 ± 0.042 χ^2/NDF : 94.2/4

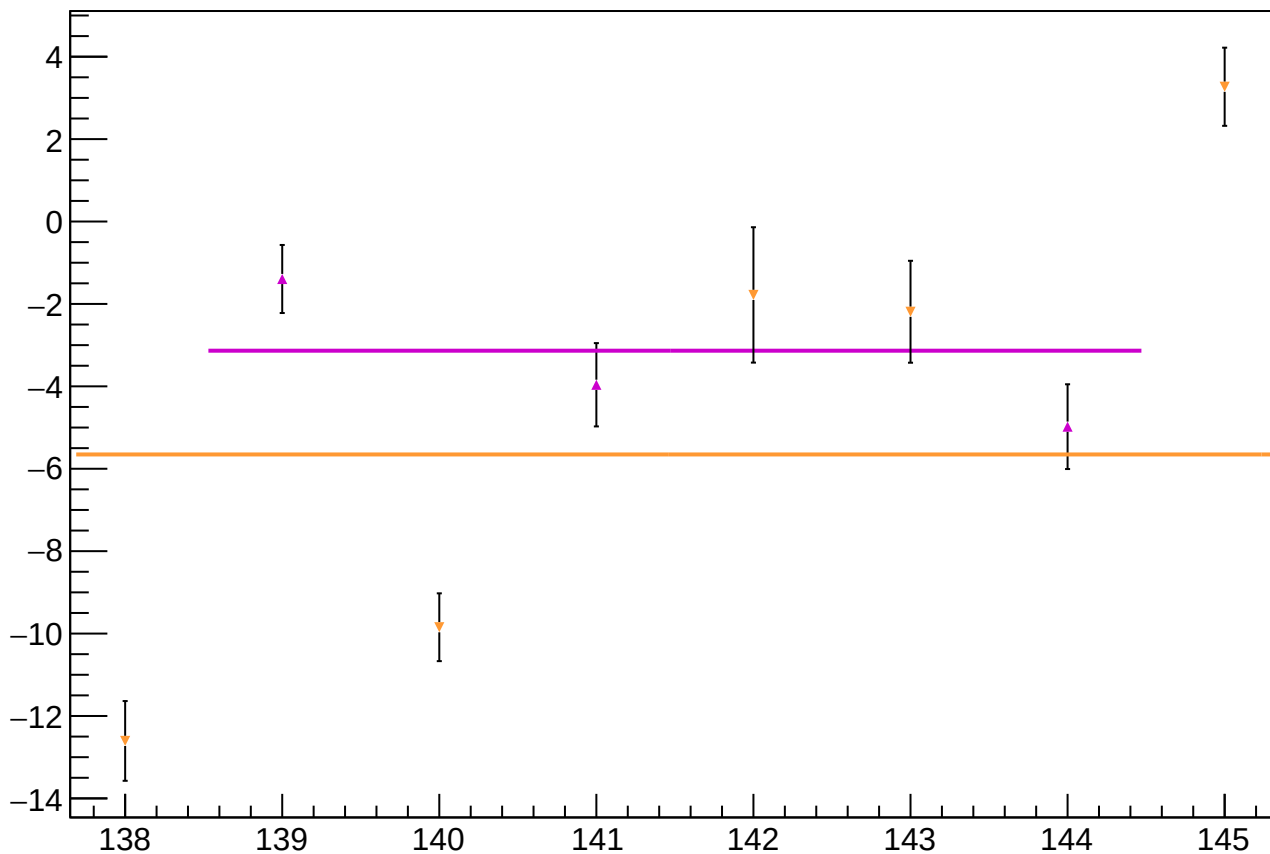
Right Out: -1.393 ± 0.046 χ^2/NDF : 925.8/19

Left In: -0.267 ± 0.052 χ^2/NDF : 21.5/2

-0.535 ± 0.032 χ^2/NDF : 1047.0/21

-0.899 ± 0.034 χ^2/NDF : 1213.2/22

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -5.653+/-0.462 χ^2/NDF : 179.5/4

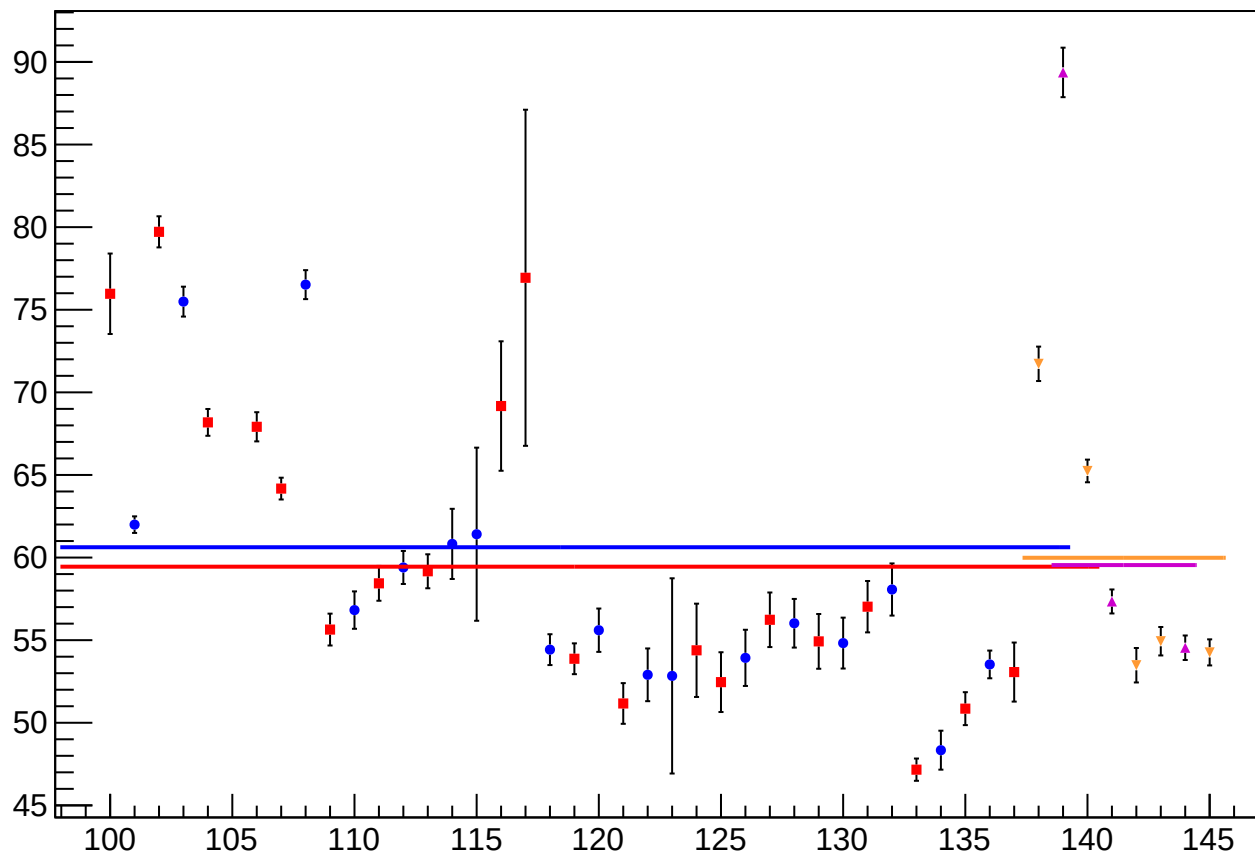
-5.653+/-0.462 χ^2/NDF : 179.5/4

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

-3.135+/-0.543 χ^2/NDF : 8.3/2

Left In: -3.135+/-0.543 χ^2/NDF : 8.3/2

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 ± 0.263 χ^2/NDF : 924.6/16

Left Out: 59.988 ± 0.380 χ^2/NDF : 311.7/4

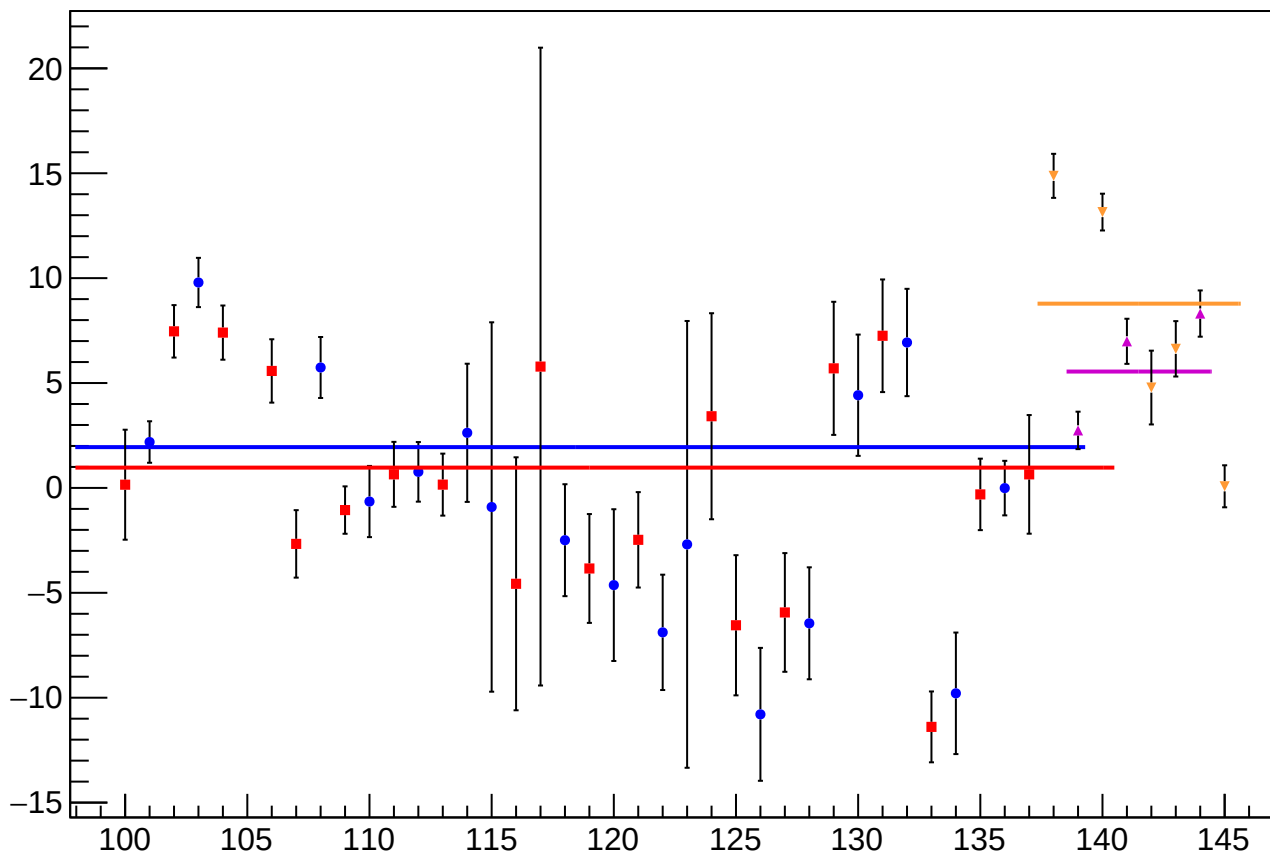
Right Out: 59.448 ± 0.248 χ^2/NDF : 1326.3/19

Left In: 59.545 ± 0.490 χ^2/NDF : 450.9/2

60.419 ± 0.216 χ^2/NDF : 1238.2/21

59.468 ± 0.221 χ^2/NDF : 1777.3/22

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 $\pm$ 0.459 χ^2 /NDF: 120.6/16

Left Out: 8.783 $\pm$ 0.494 χ^2 /NDF:141.8/4

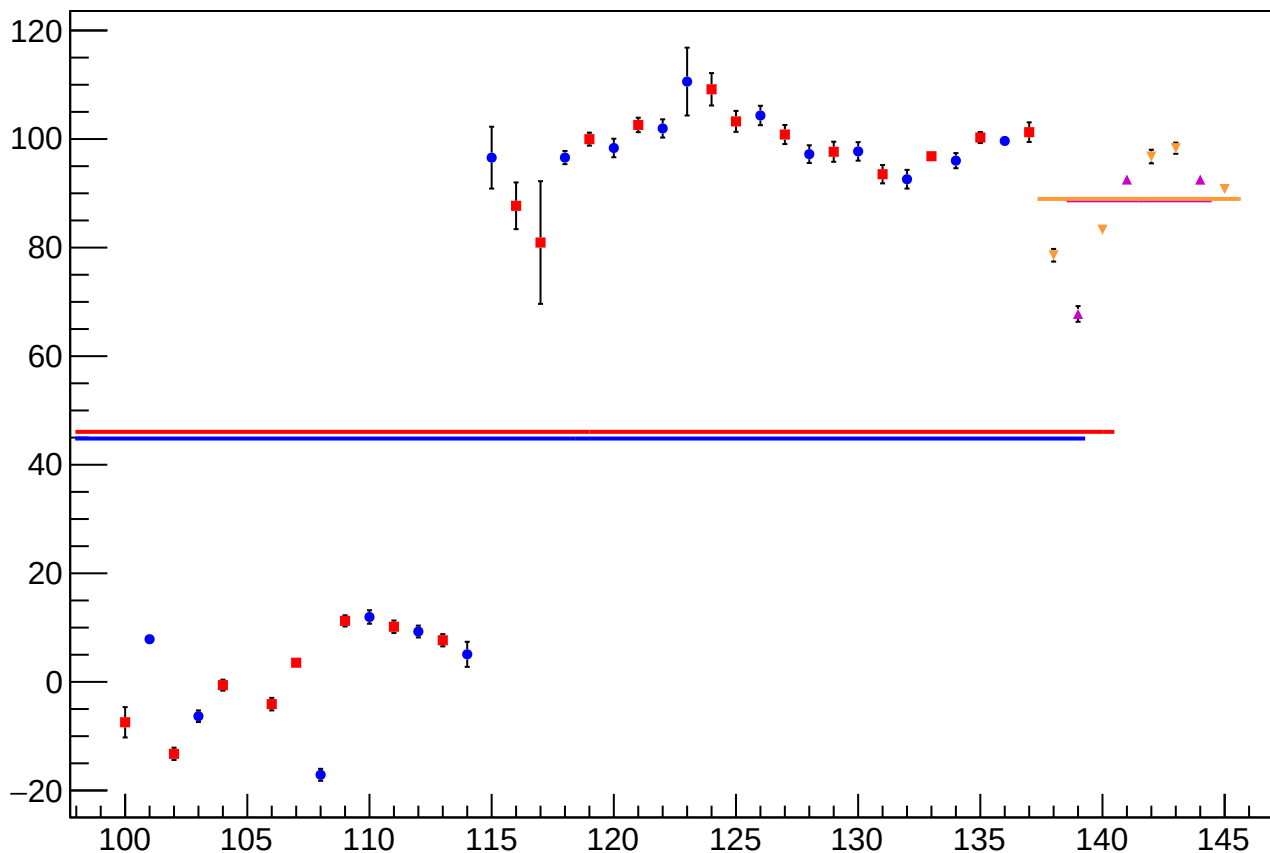
Right Out: 0.968 $\pm$ 0.424 χ^2 /NDF: 149.6/19

Left In: 5.547 $\pm$ 0.583 χ^2 /NDF:18.0/2

5.114 $\pm$ 0.336 χ^2 /NDF: 365.4/21

2.554 $\pm$ 0.343 χ^2 /NDF: 208.0/22

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 ± 0.305 $\chi^2/\text{NDF}: 24763.1/16$

Left Out: 88.971 ± 0.447 $\chi^2/\text{NDF}: 250.7/4$

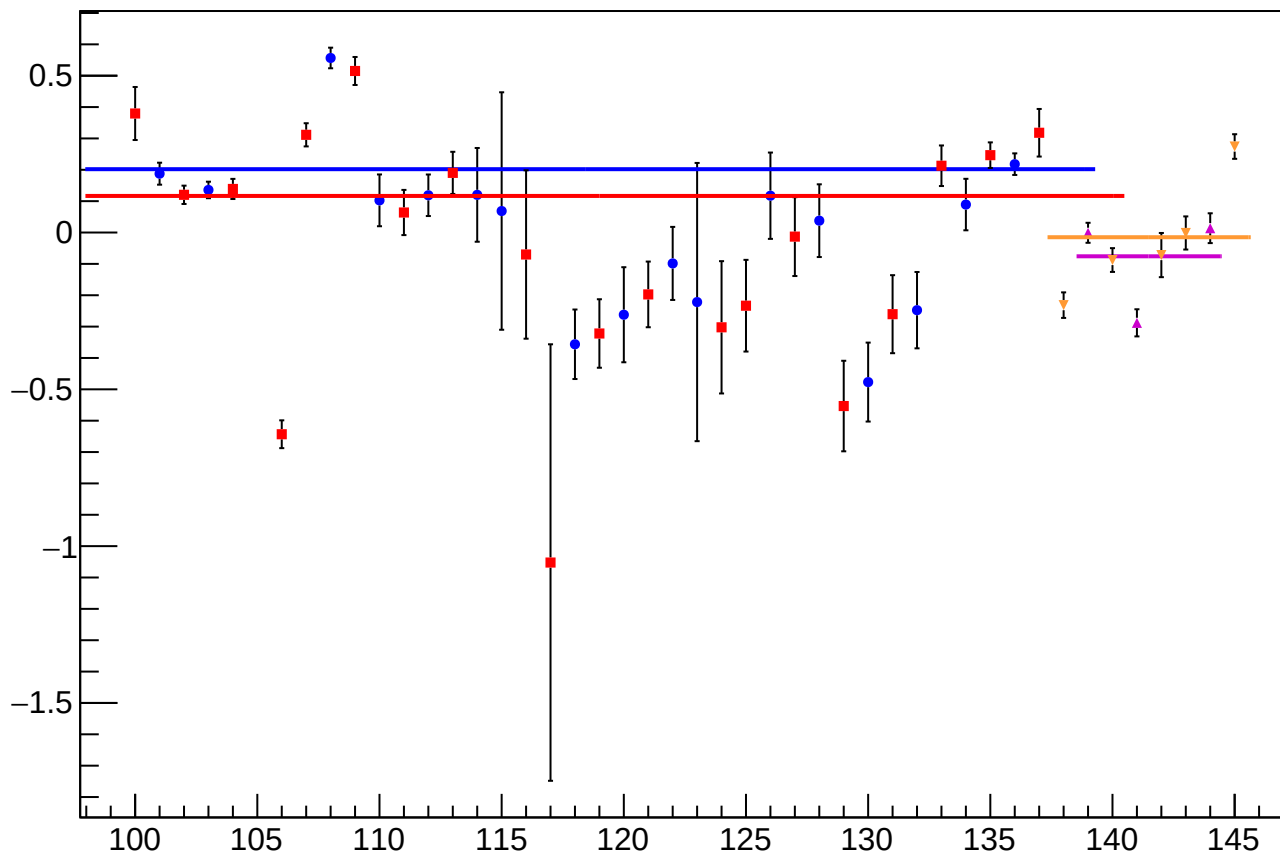
Right Out: 46.062 ± 0.289 $\chi^2/\text{NDF}: 28272.9/19$

Left In: 88.710 ± 0.567 $\chi^2/\text{NDF}: 248.7/2$

58.817 ± 0.252 $\chi^2/\text{NDF}: 31666.2/21$

54.868 ± 0.258 $\chi^2/\text{NDF}: 33006.1/22$

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.015 ± 0.020 χ^2/NDF : 87.0/4

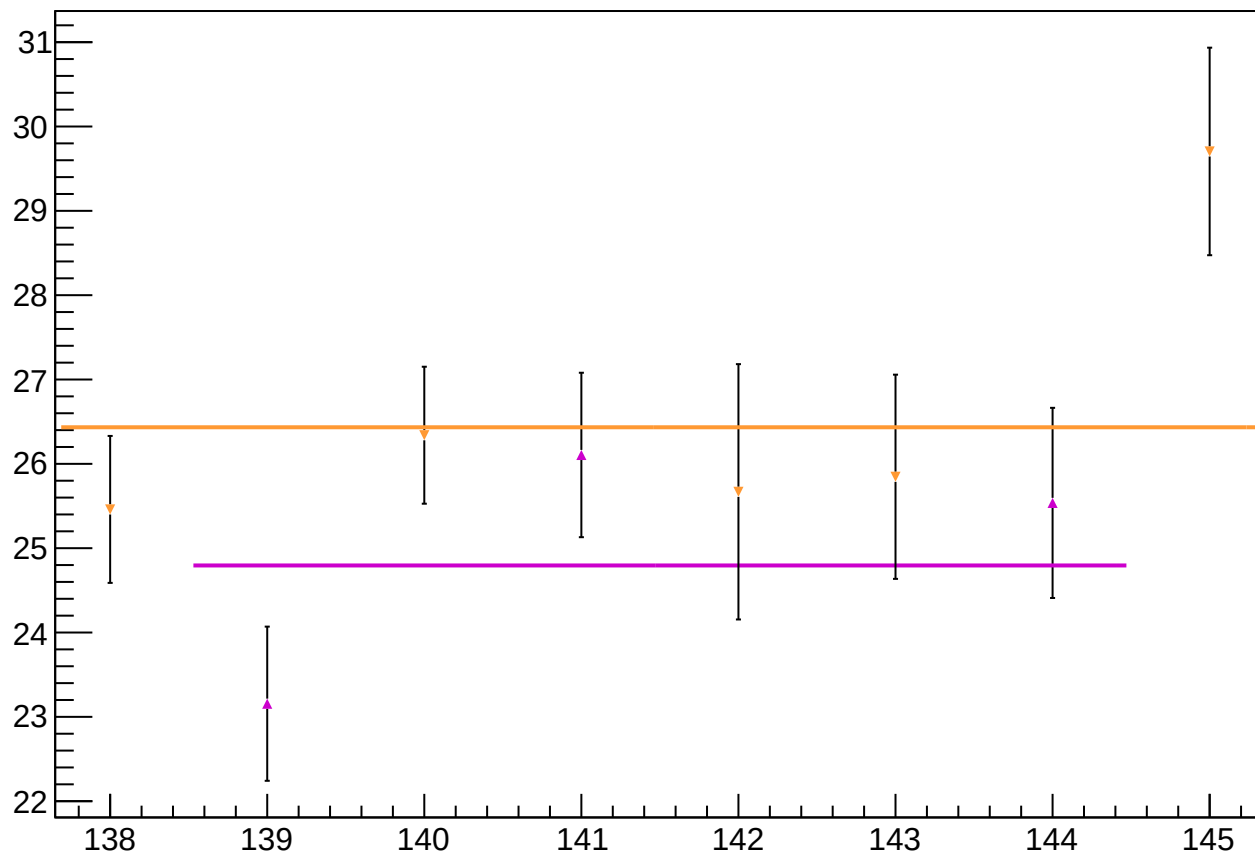
Right Out: 0.117 ± 0.013 χ^2/NDF : 502.5/19

Left In: -0.076 ± 0.023 χ^2/NDF : 33.1/2

0.130 ± 0.011 χ^2/NDF : 381.9/21

0.069 ± 0.011 χ^2/NDF : 590.1/22

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 26.434+/-0.466 χ^2/NDF : 8.8/4

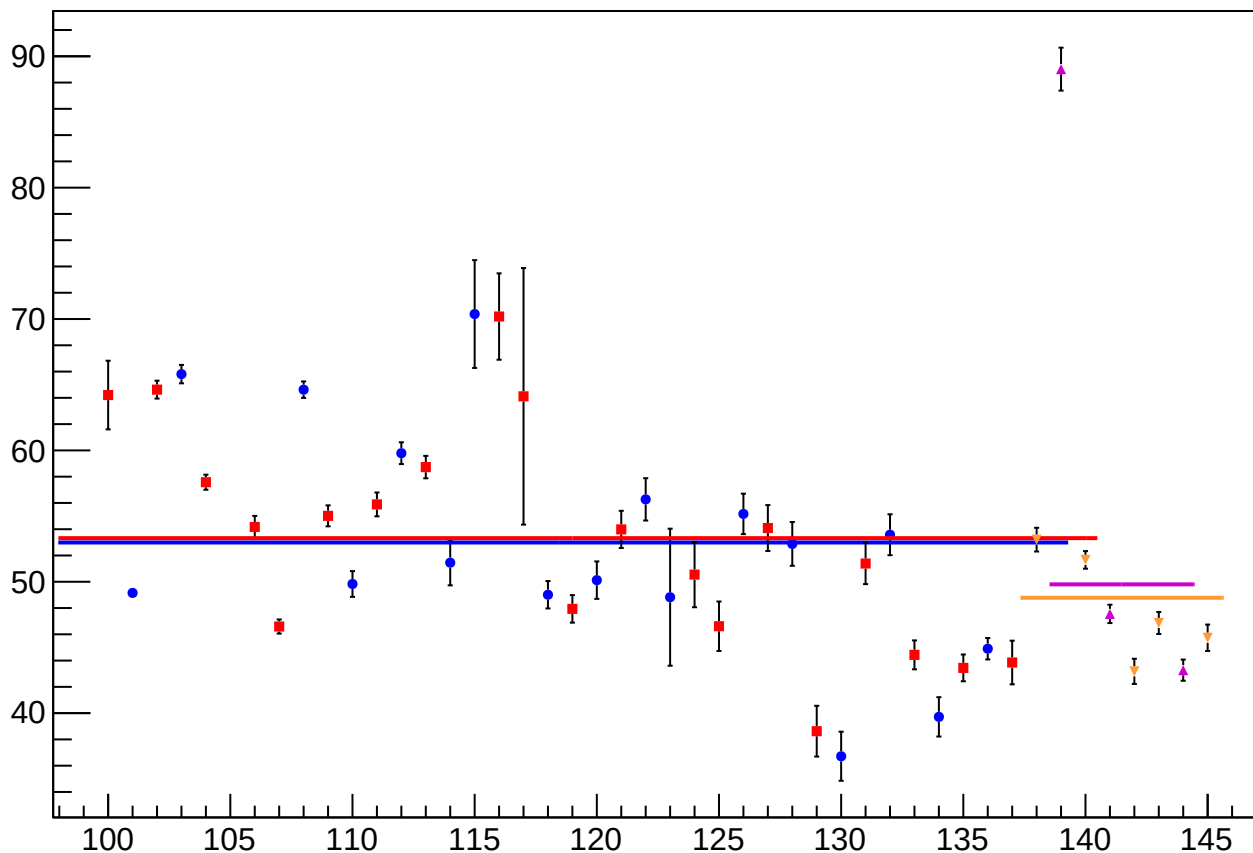
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 24.795+/-0.574 χ^2/NDF : 5.5/2

26.434+/-0.466 χ^2/NDF : 8.8/4

24.795+/-0.574 χ^2/NDF : 5.5/2

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 48.783 $\pm$ 0.379 χ^2 /NDF: 91.1/4

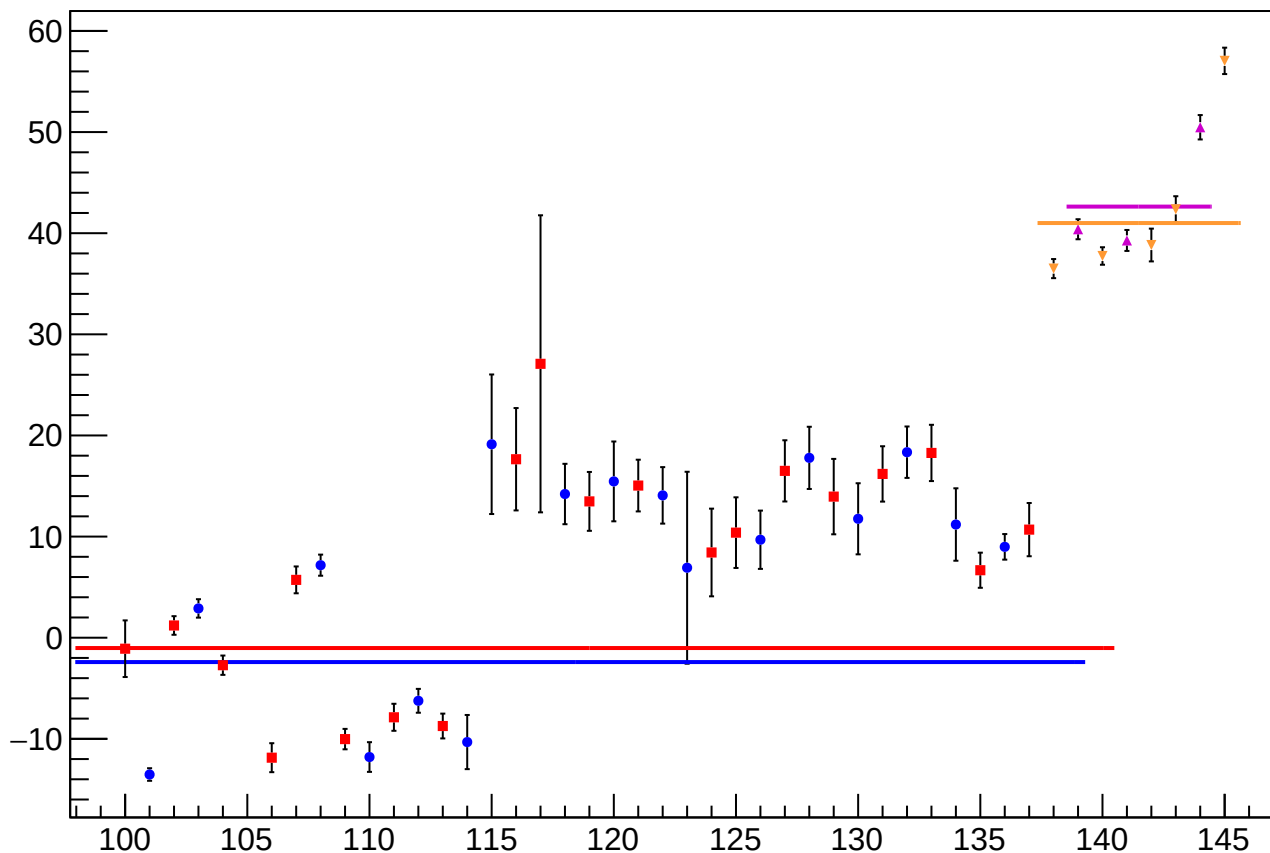
Right Out: 53.320 $\pm$ 0.227 χ^2 /NDF: 876.8/19

Left In: 49.802 $\pm$ 0.502 χ^2 /NDF: 651.7/2

51.996 $\pm$ 0.184 χ^2 /NDF: 1383.1/21

52.725 $\pm$ 0.207 χ^2 /NDF: 1569.3/22

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 41.005 ± 0.499 χ^2/NDF : 190.8/4

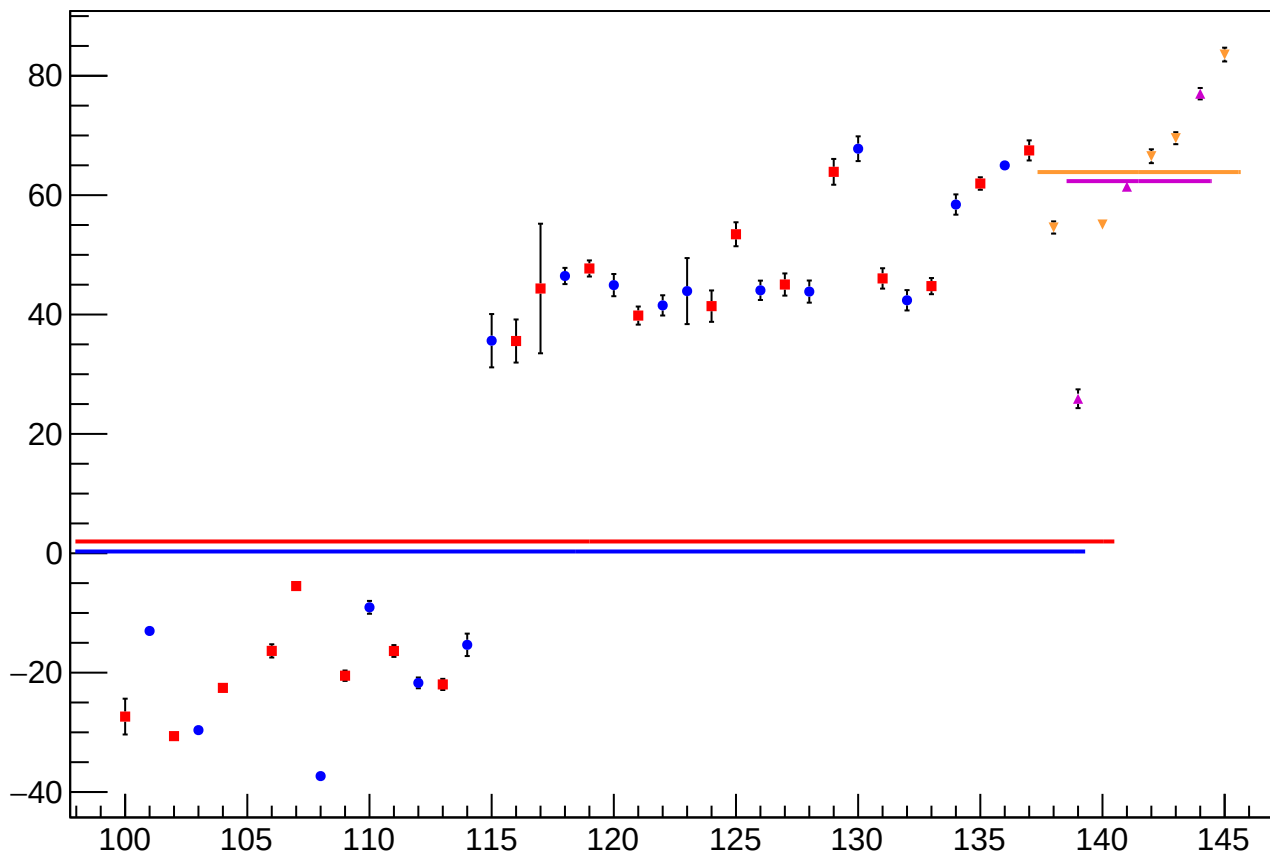
Right Out: -1.021 ± 0.377 χ^2/NDF : 511.2/19

Left In: 42.631 ± 0.616 χ^2/NDF : 57.9/2

12.704 ± 0.294 χ^2/NDF : 5968.6/21

10.876 ± 0.321 χ^2/NDF : 4224.2/22

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300+/-0.247 χ^2/NDF : 18259.2/16

Left Out: 63.870+/-0.449 χ^2/NDF : 527.7/4

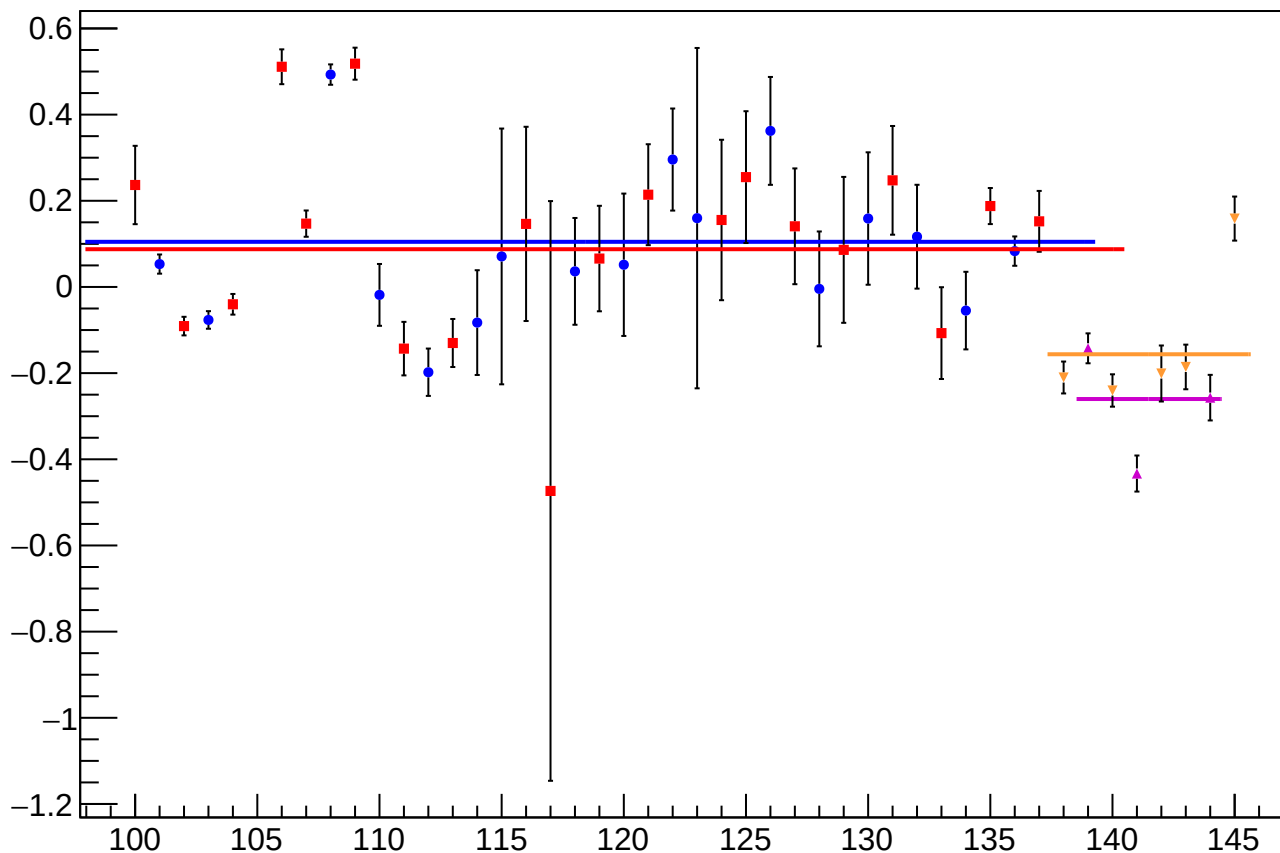
Right Out: 1.978+/-0.267 χ^2/NDF : 15465.9/19

Left In: 62.352+/-0.585 χ^2/NDF : 773.9/2

15.119+/-0.217 χ^2/NDF : 34175.5/21

12.361+/-0.243 χ^2/NDF : 25063.0/22

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.156 ± 0.020 χ^2/NDF : 45.9/4

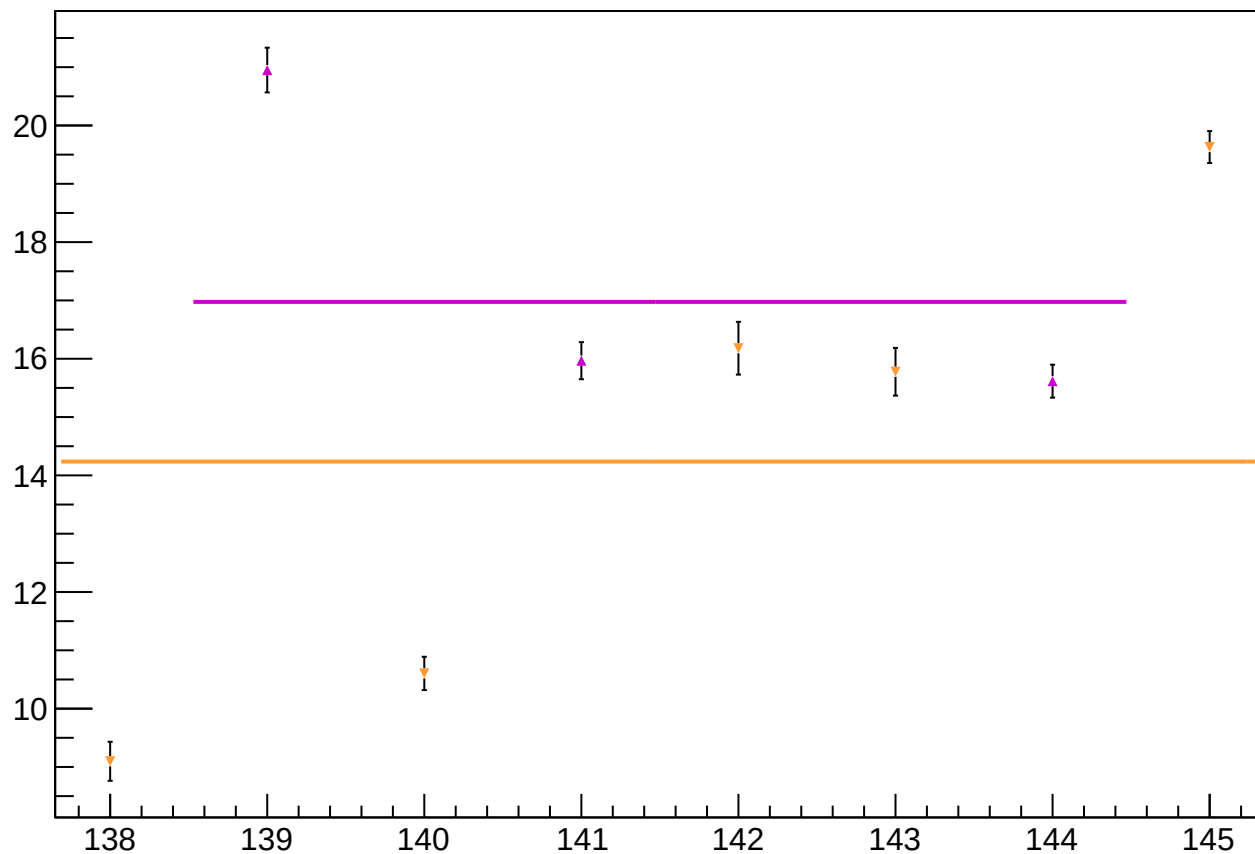
Right Out: 0.088 ± 0.011 χ^2/NDF : 391.6/19

Left In: -0.260 ± 0.024 χ^2/NDF : 28.6/2

0.045 ± 0.010 χ^2/NDF : 574.3/21

0.027 ± 0.010 χ^2/NDF : 595.3/22

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 14.237+/-0.148 χ^2/NDF : 817.9/4

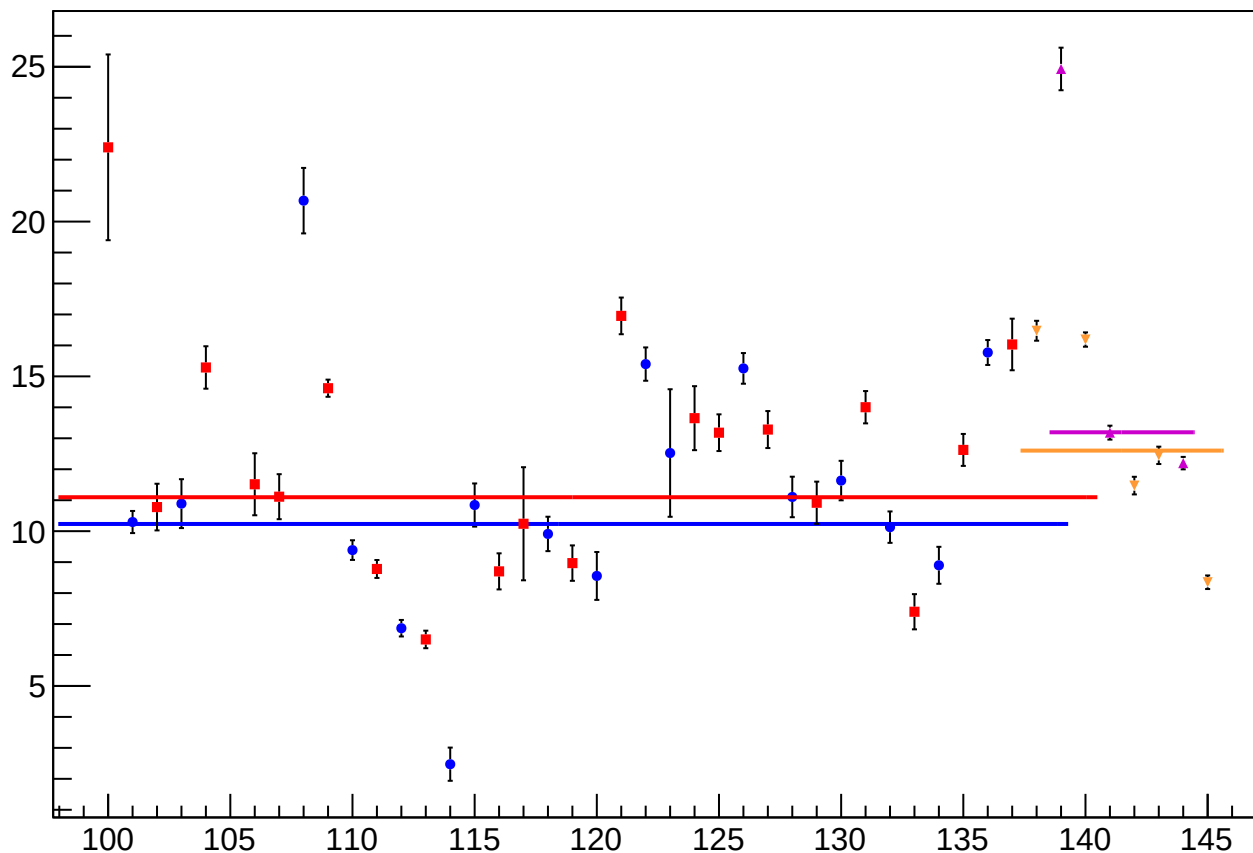
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 16.975+/-0.185 χ^2/NDF : 140.6/2

14.237+/-0.148 χ^2/NDF : 817.9/4

16.975+/-0.185 χ^2/NDF : 140.6/2

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 12.603 $\pm$ 0.116 χ^2 /NDF: 777.3/4

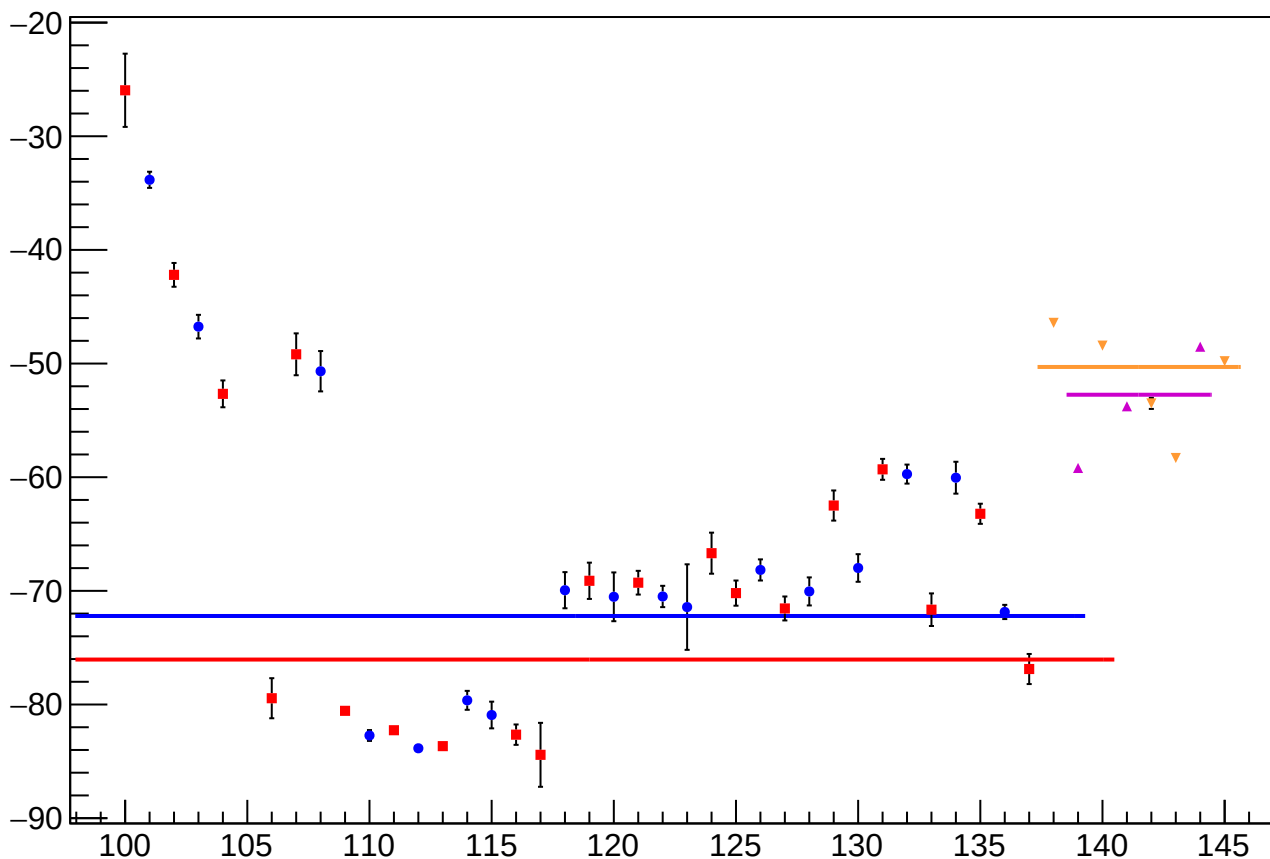
Right Out: 11.096 $\pm$ 0.116 χ^2 /NDF: 818.0/19

Left In: 13.194 $\pm$ 0.147 χ^2 /NDF: 315.9/2

11.451 $\pm$ 0.083 χ^2 /NDF: 1856.5/21

11.905 $\pm$ 0.091 χ^2 /NDF: 1259.7/22

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -50.300+/-0.159 χ^2/NDF : 536.6/4

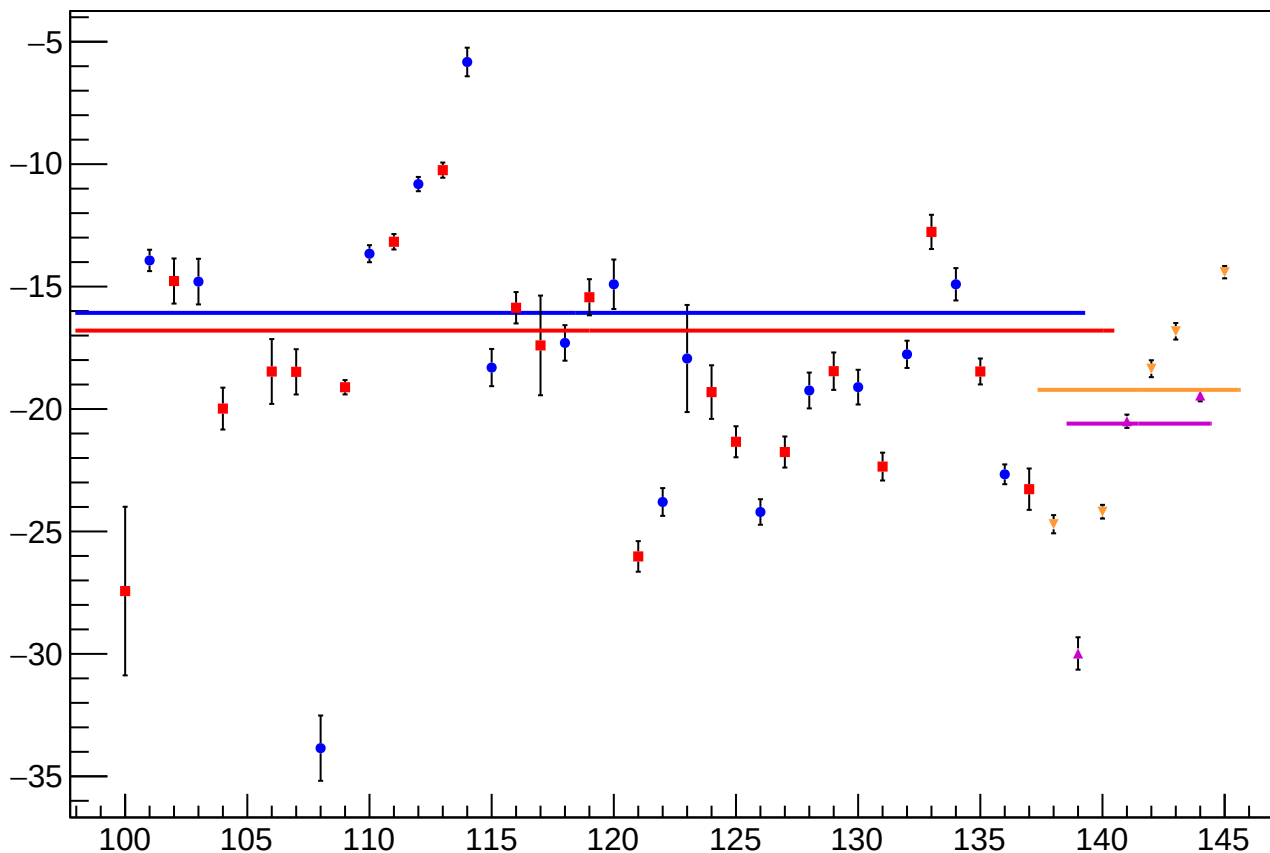
Right Out: -76.044+/-0.181 χ^2/NDF : 3472.2/19

Left In: -52.743+/-0.198 χ^2/NDF : 444.4/2

-58.878+/-0.124 χ^2/NDF : 13555.1/21

-65.470+/-0.133 χ^2/NDF : 11469.4/22

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -19.216 ± 0.138 $\chi^2/\text{NDF}: 949.4/4$

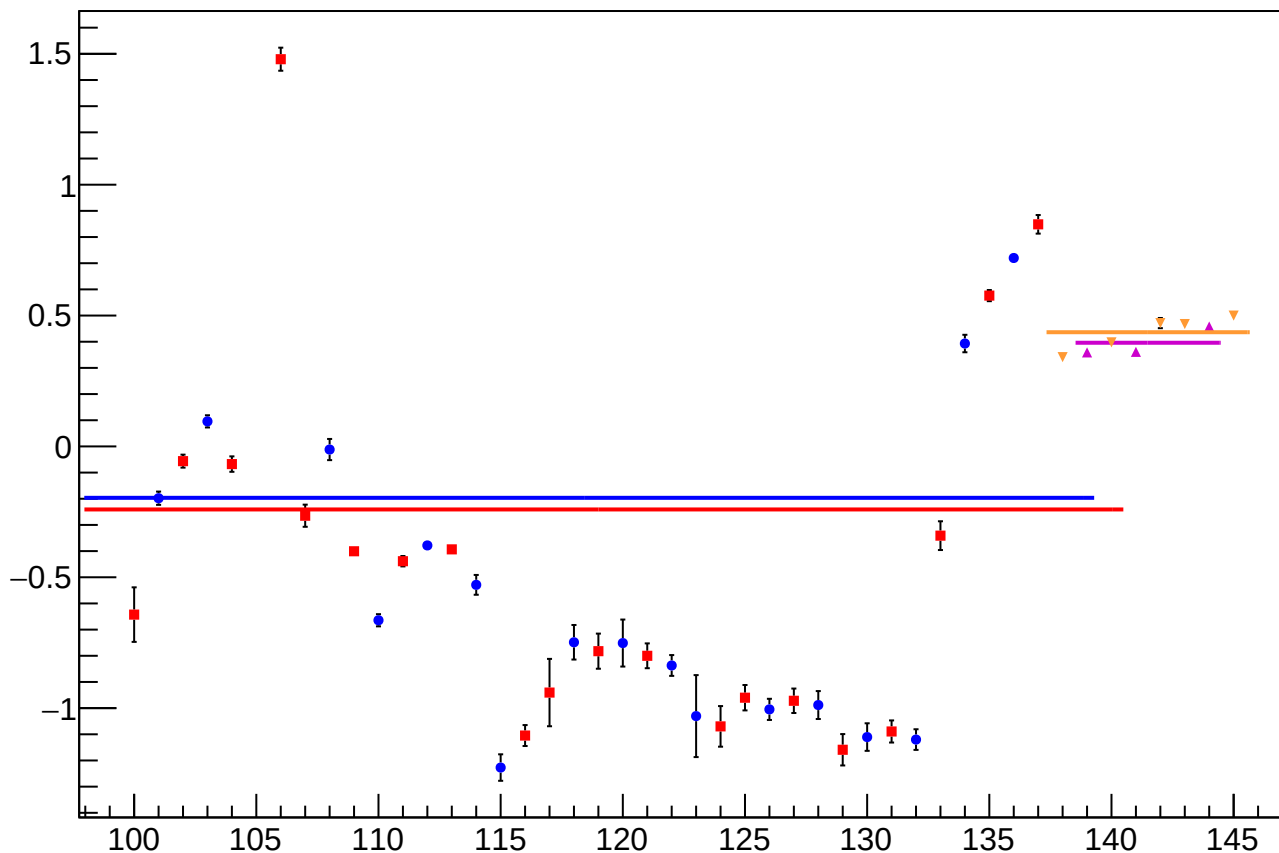
Right Out: -16.797 ± 0.128 $\chi^2/\text{NDF}: 1216.1/19$

Left In: -20.596 ± 0.173 $\chi^2/\text{NDF}: 224.5/2$

-17.584 ± 0.096 $\chi^2/\text{NDF}: 2860.4/21$

-18.138 ± 0.103 $\chi^2/\text{NDF}: 1751.9/22$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.436 ± 0.006 χ^2/NDF : 89.1/4

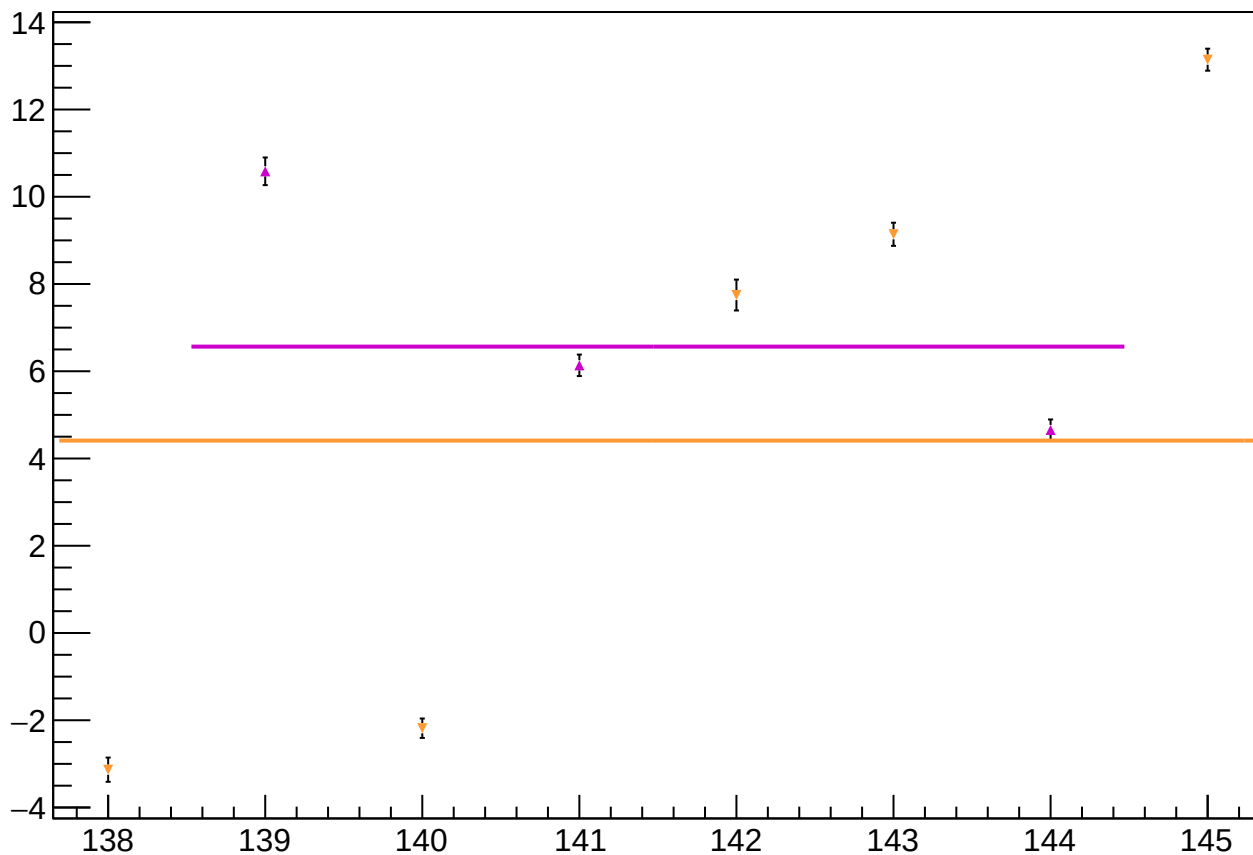
Right Out: -0.241 ± 0.007 χ^2/NDF : 6218.3/19

Left In: 0.396 ± 0.008 χ^2/NDF : 35.1/2

0.169 ± 0.005 χ^2/NDF : 10473.7/21

0.045 ± 0.005 χ^2/NDF : 9796.5/22

reg_asym_sam8_diff_bpm1X_slope vs Slug



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

Left Out: 4.411+/-0.119 χ^2/NDF : 3218.5/4

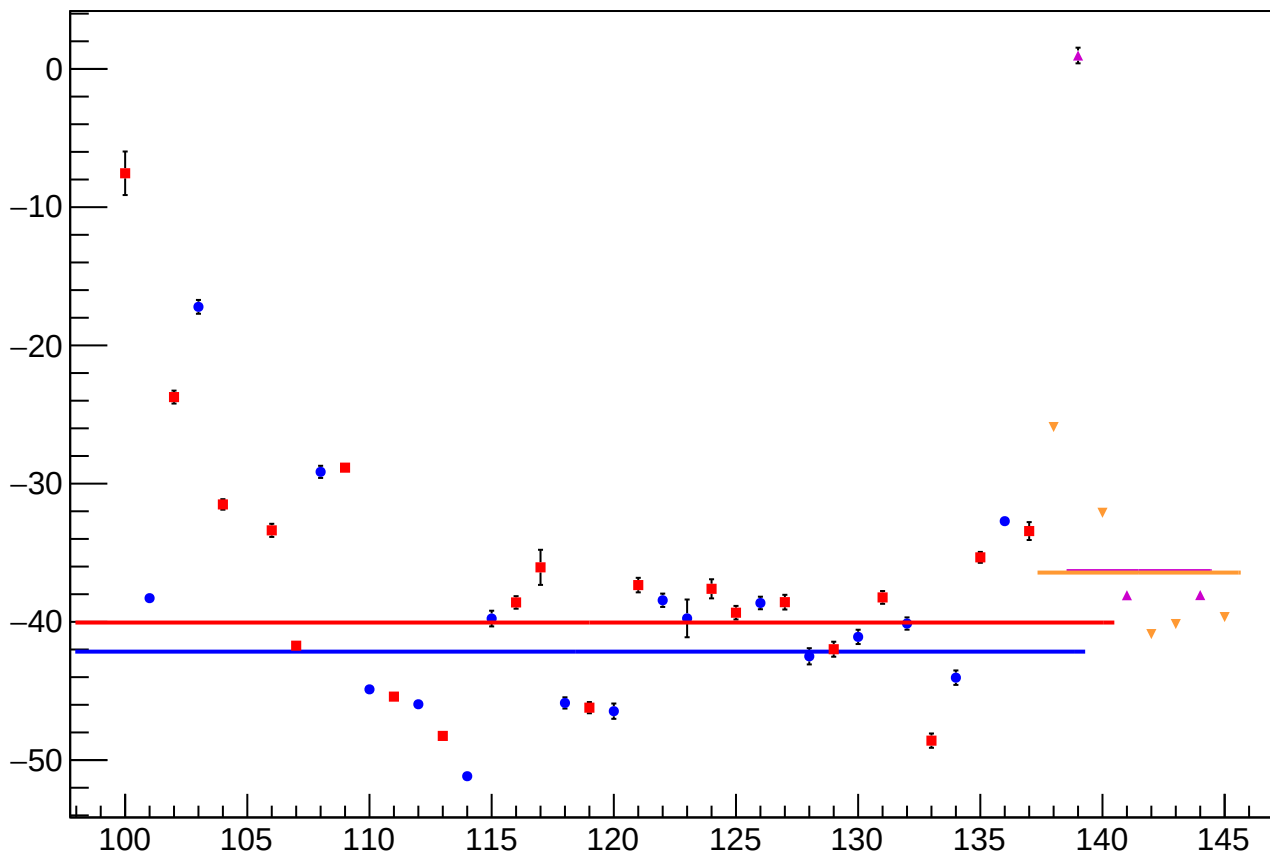
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 6.565+/-0.151 χ^2/NDF : 226.5/2

4.411+/-0.119 χ^2/NDF : 3218.5/4

6.565+/-0.151 χ^2/NDF : 226.5/2

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 $\chi^2/\text{NDF}: 6557.8/16$

Left Out: -36.434 ± 0.092 $\chi^2/\text{NDF}: 3158.6/4$

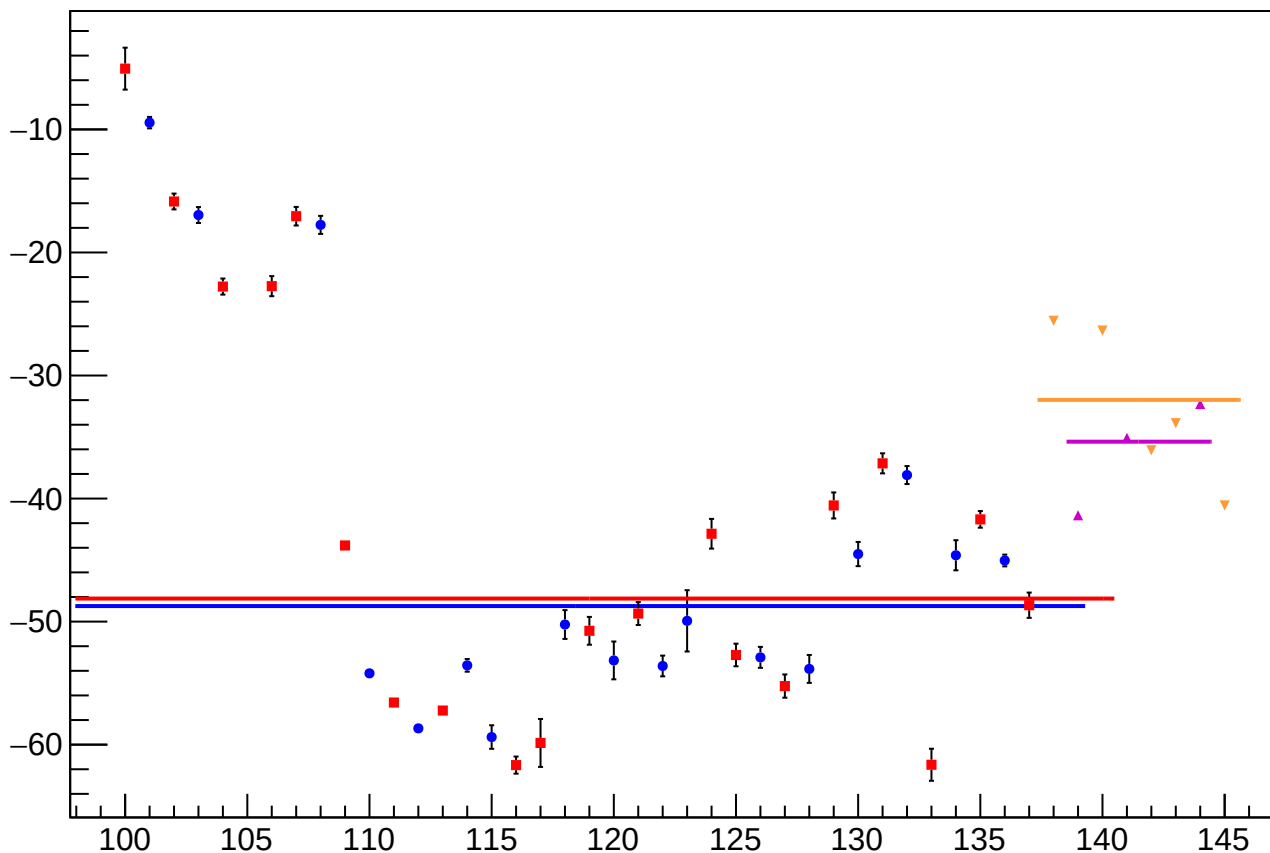
Right Out: -40.049 ± 0.073 $\chi^2/\text{NDF}: 11332.1/19$

Left In: -36.326 ± 0.120 $\chi^2/\text{NDF}: 4532.2/2$

-39.761 ± 0.060 $\chi^2/\text{NDF}: 11963.5/21$

-39.047 ± 0.062 $\chi^2/\text{NDF}: 16571.1/22$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -31.980 ± 0.127 $\chi^2/\text{NDF}: 2204.8/4$

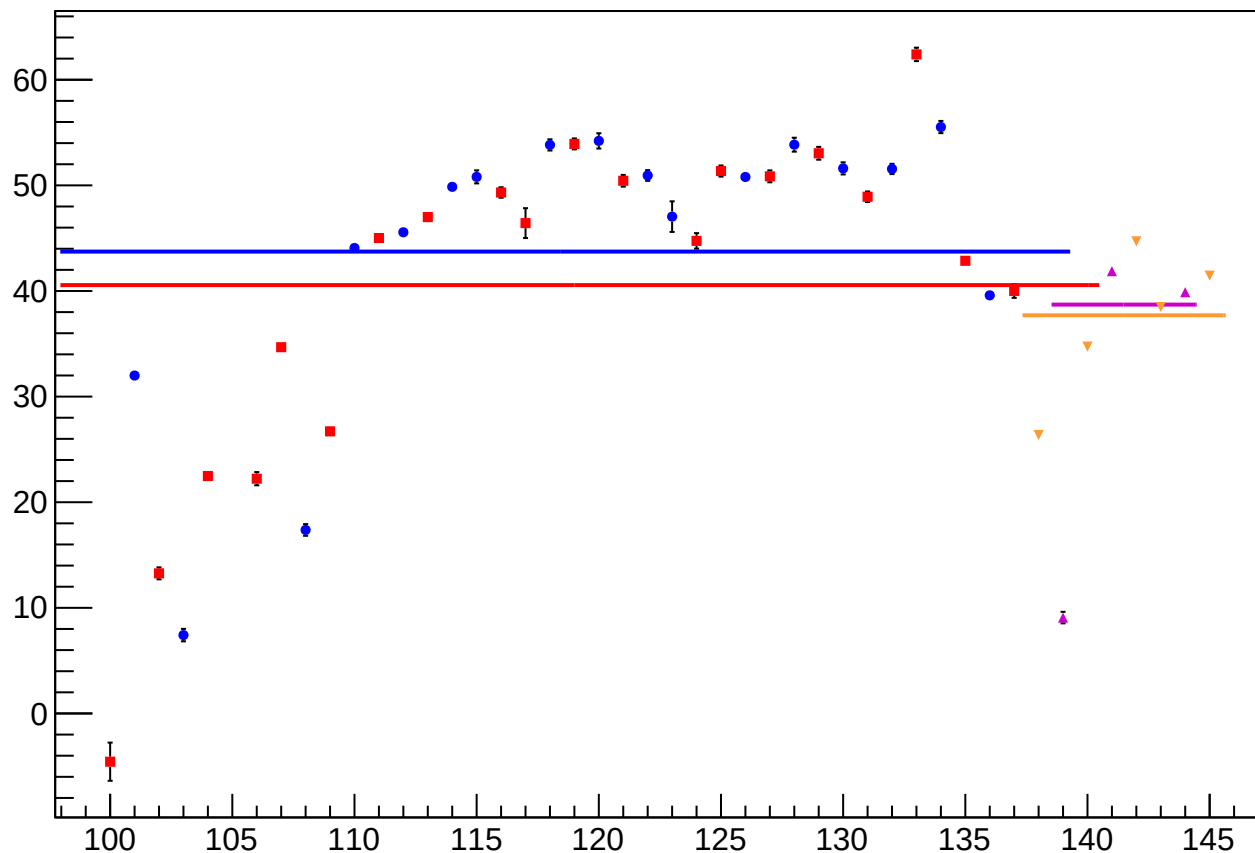
Right Out: -48.127 ± 0.107 $\chi^2/\text{NDF}: 11769.6/19$

Left In: -35.377 ± 0.162 $\chi^2/\text{NDF}: 444.8/2$

-40.511 ± 0.089 $\chi^2/\text{NDF}: 25747.5/21$

-44.252 ± 0.089 $\chi^2/\text{NDF}: 16524.0/22$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731+/-0.087 χ^2/NDF : 10567.7/16

Left Out: 37.698+/-0.109 χ^2/NDF : 2449.6/4

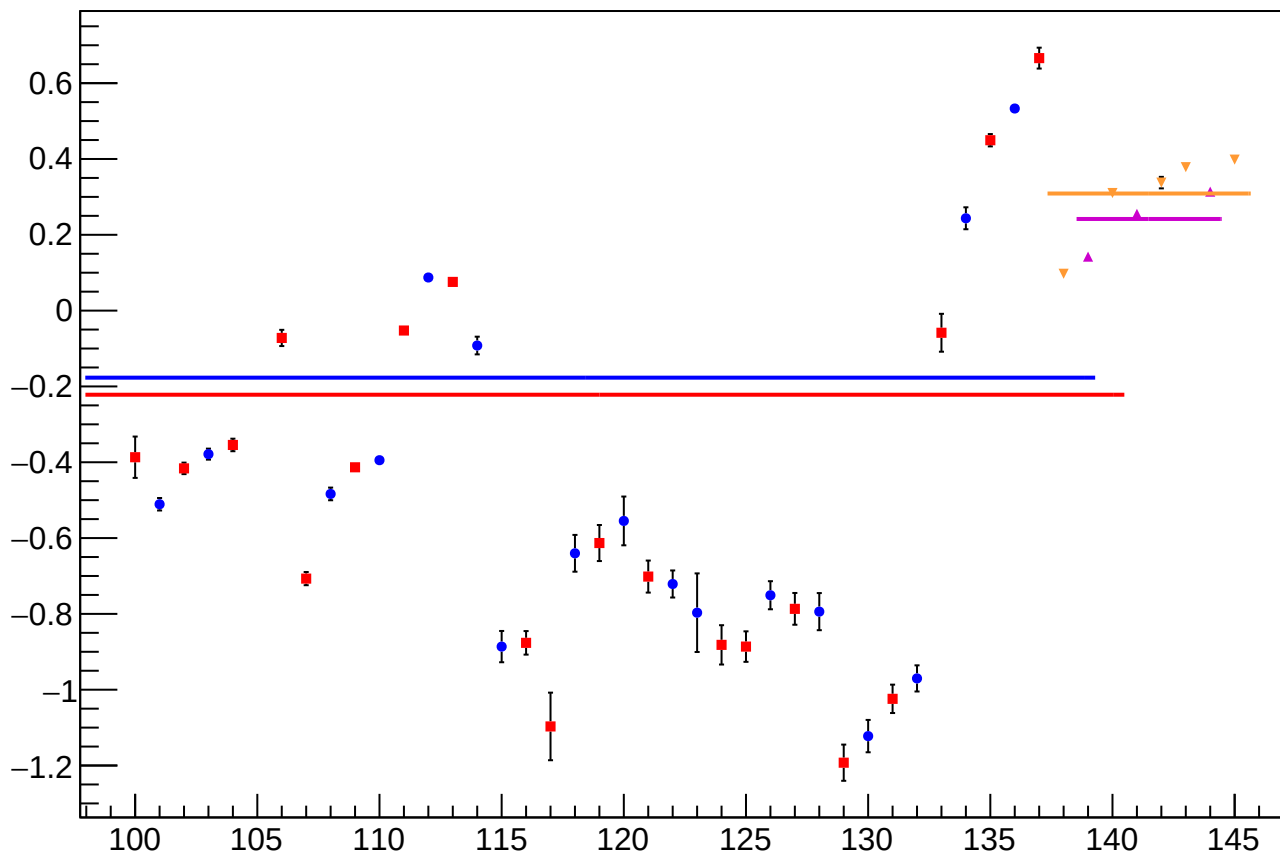
Right Out: 40.556+/-0.080 χ^2/NDF : 17618.6/19

Left In: 38.711+/-0.141 χ^2/NDF : 3212.9/2

41.398+/-0.068 χ^2/NDF : 14883.3/21

40.108+/-0.070 χ^2/NDF : 20960.4/22

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.309 ± 0.005 χ^2/NDF : 427.2/4

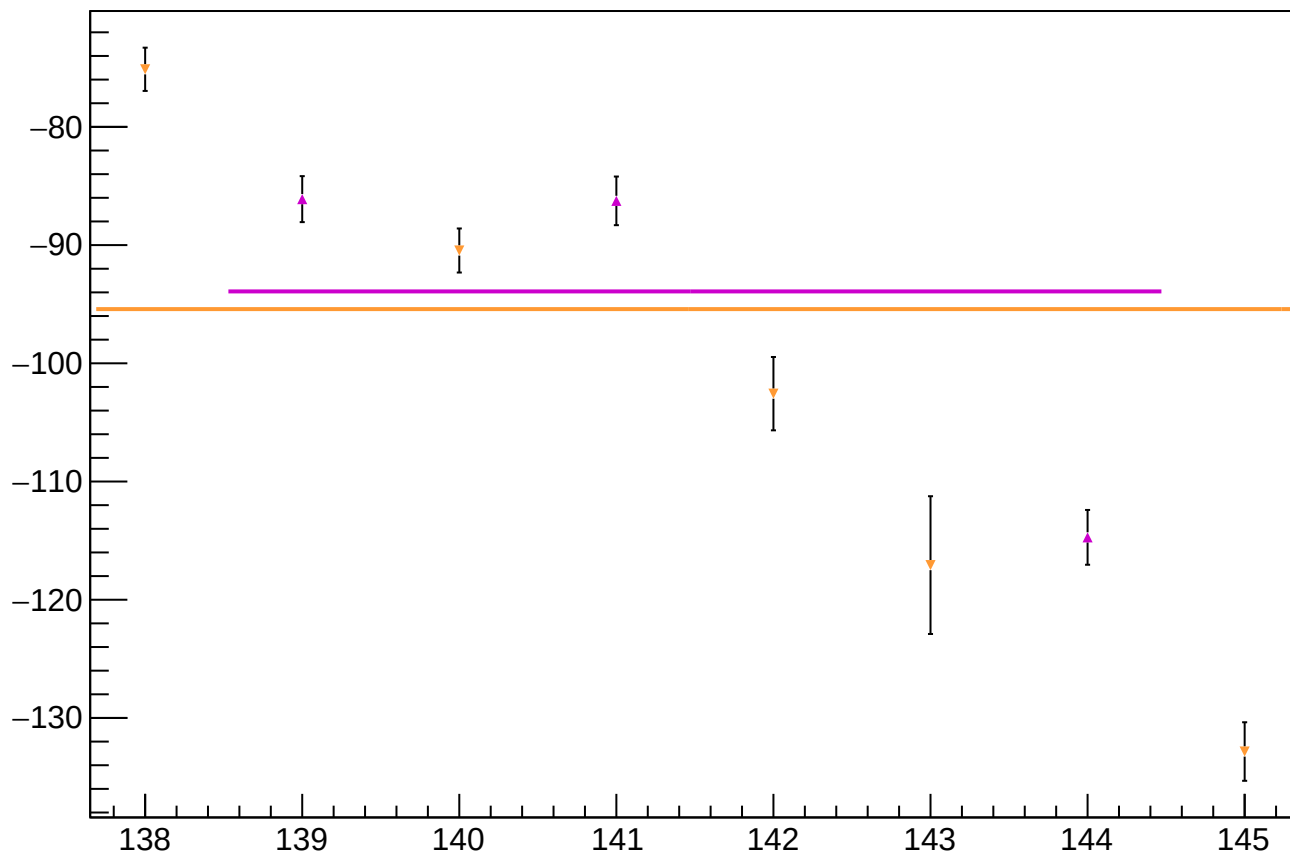
Right Out: -0.222 ± 0.004 χ^2/NDF : 7527.0/19

Left In: 0.242 ± 0.006 χ^2/NDF : 110.9/2

0.050 ± 0.004 χ^2/NDF : 12501.4/21

-0.081 ± 0.004 χ^2/NDF : 11185.0/22

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -95.415+/-1.064 χ^2/NDF : 377.6/4

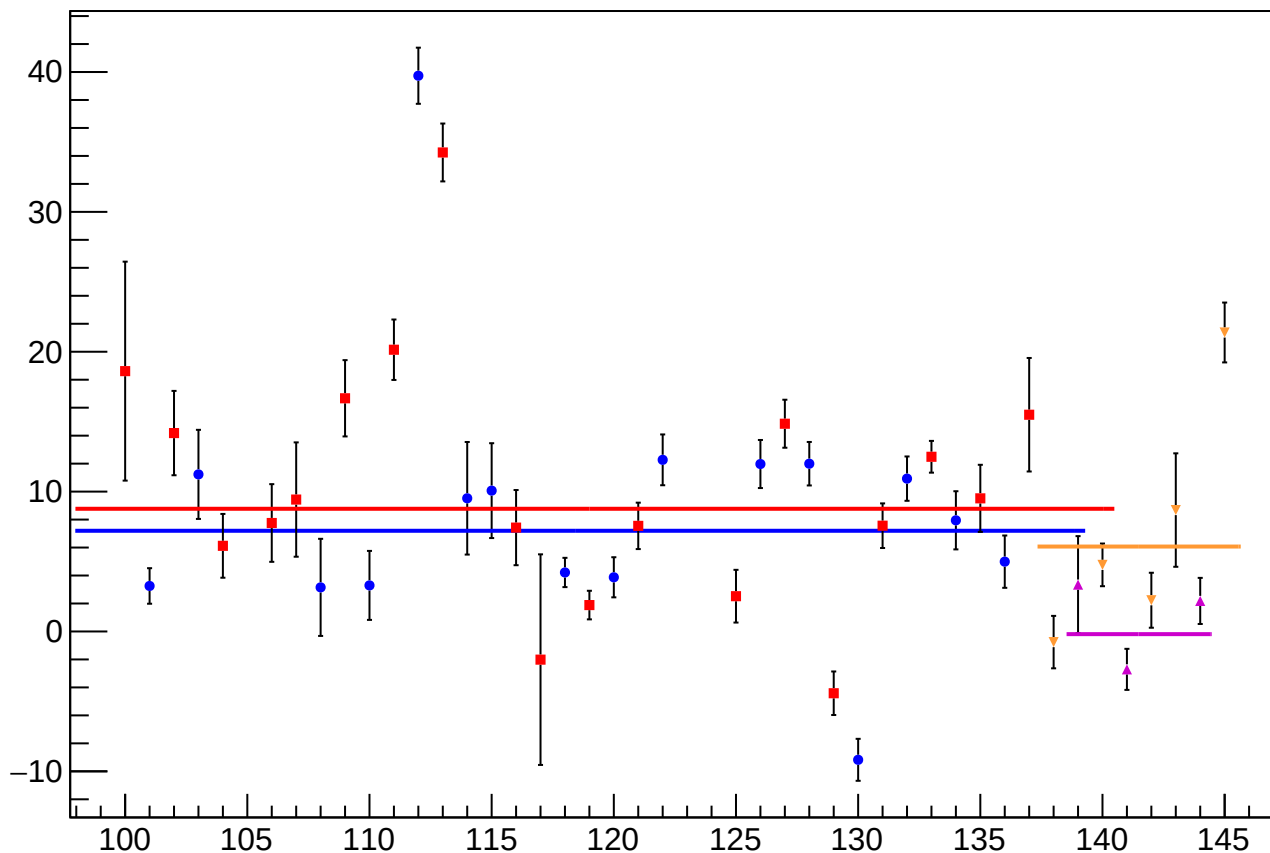
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -93.918+/-1.207 χ^2/NDF : 110.5/2

-95.415+/-1.064 χ^2/NDF : 377.6/4

-93.918+/-1.207 χ^2/NDF : 110.5/2

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 6.072 ± 0.894 χ^2/NDF : 69.4/4

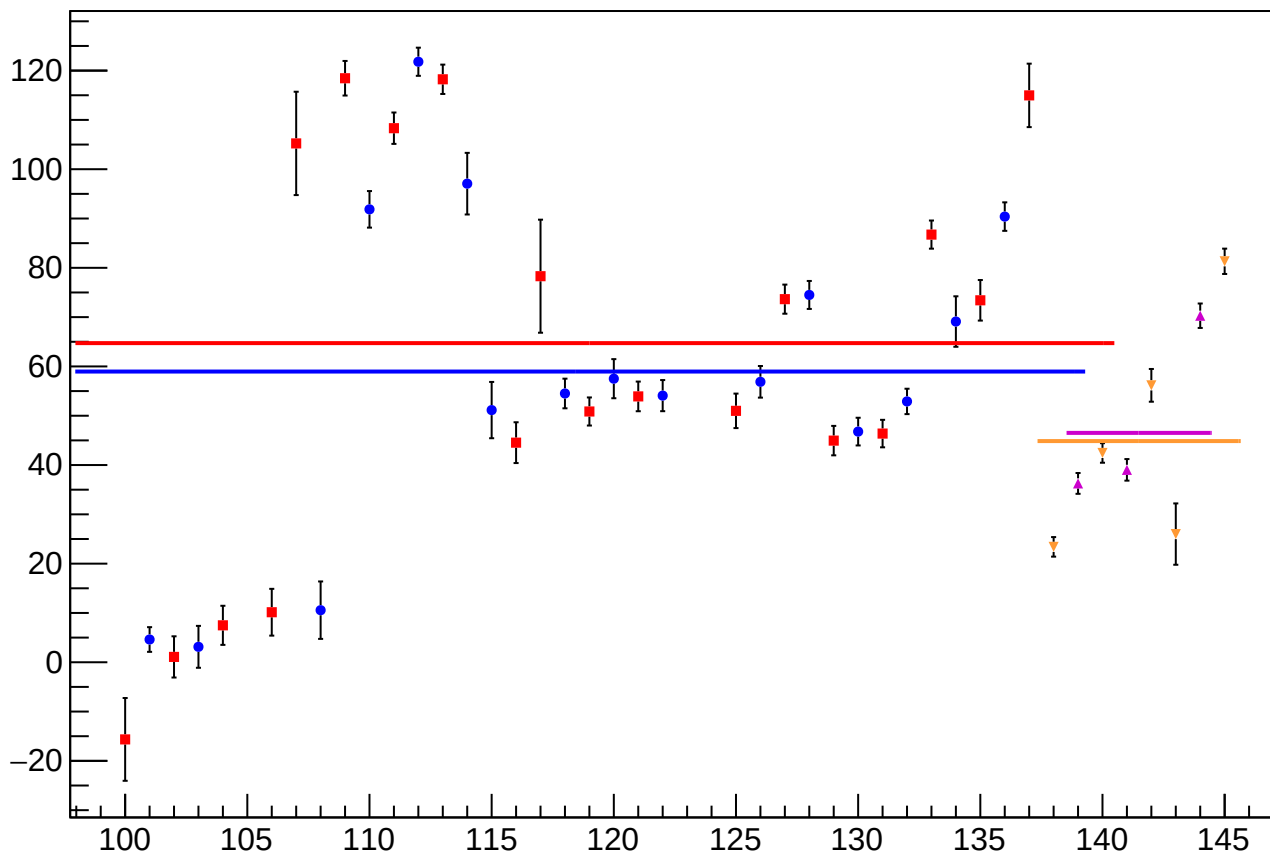
Right Out: 8.772 ± 0.447 χ^2/NDF : 351.7/18

Left In: -0.191 ± 1.045 χ^2/NDF : 6.1/2

6.980 ± 0.394 χ^2/NDF : 514.5/20

7.386 ± 0.411 χ^2/NDF : 420.0/21

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2/NDF : 1496.5/15

Left Out: 44.859 $\pm$ 1.135 χ^2/NDF : 340.6/4

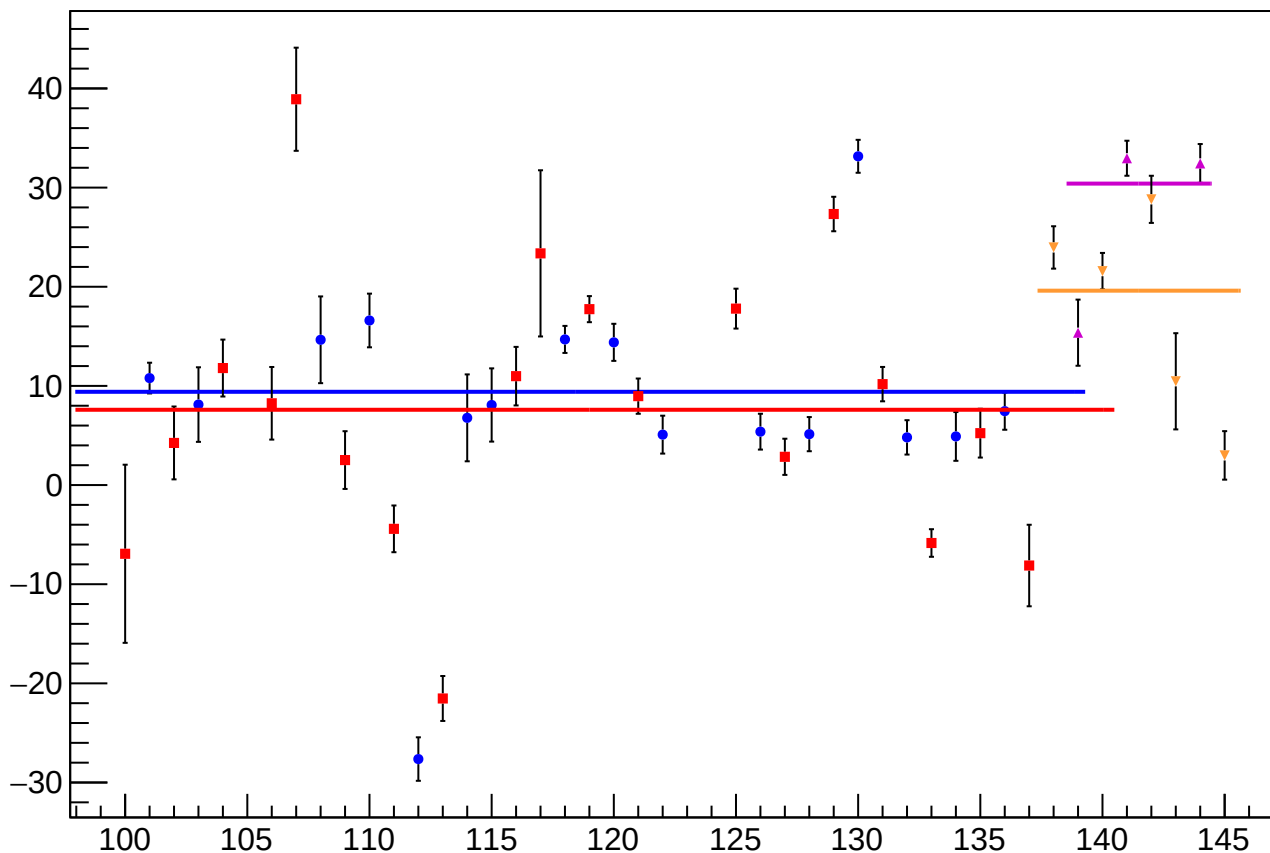
Right Out: 64.728 $\pm$ 0.838 χ^2/NDF : 1723.2/18

Left In: 46.521 $\pm$ 1.295 χ^2/NDF : 127.3/2

53.995 $\pm$ 0.674 χ^2/NDF : 1937.1/20

59.355 $\pm$ 0.703 χ^2/NDF : 1989.9/21

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 $\pm$ 0.507 χ^2/NDF : 549.5/15

Left Out: 19.605 $\pm$ 1.054 χ^2/NDF : 70.0/4

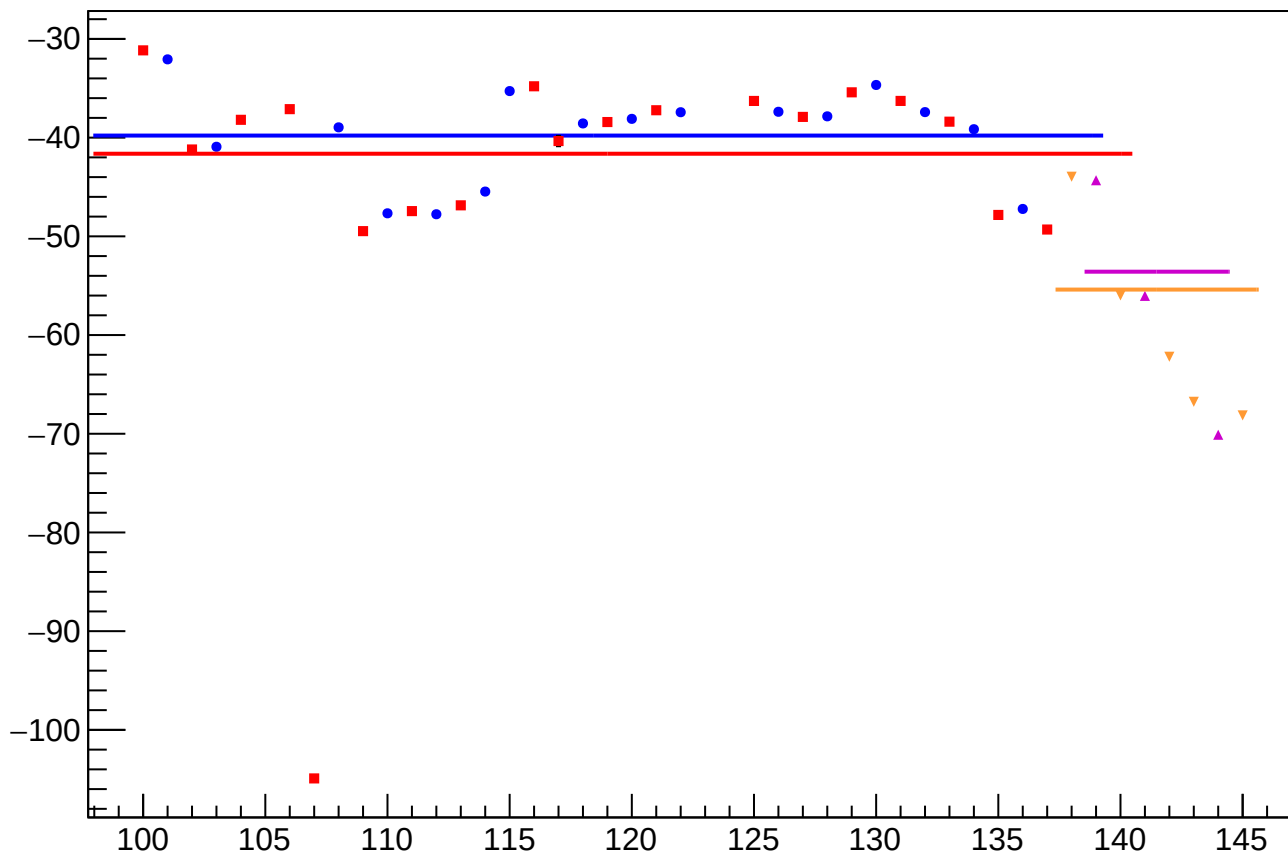
Right Out: 7.593 $\pm$ 0.514 χ^2/NDF : 573.4/18

Left In: 30.403 $\pm$ 1.220 χ^2/NDF : 23.5/2

11.321 $\pm$ 0.457 χ^2/NDF : 695.6/20

11.030 $\pm$ 0.474 χ^2/NDF : 893.8/21

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -55.393 ± 0.046 χ^2/NDF : 41879.1/4

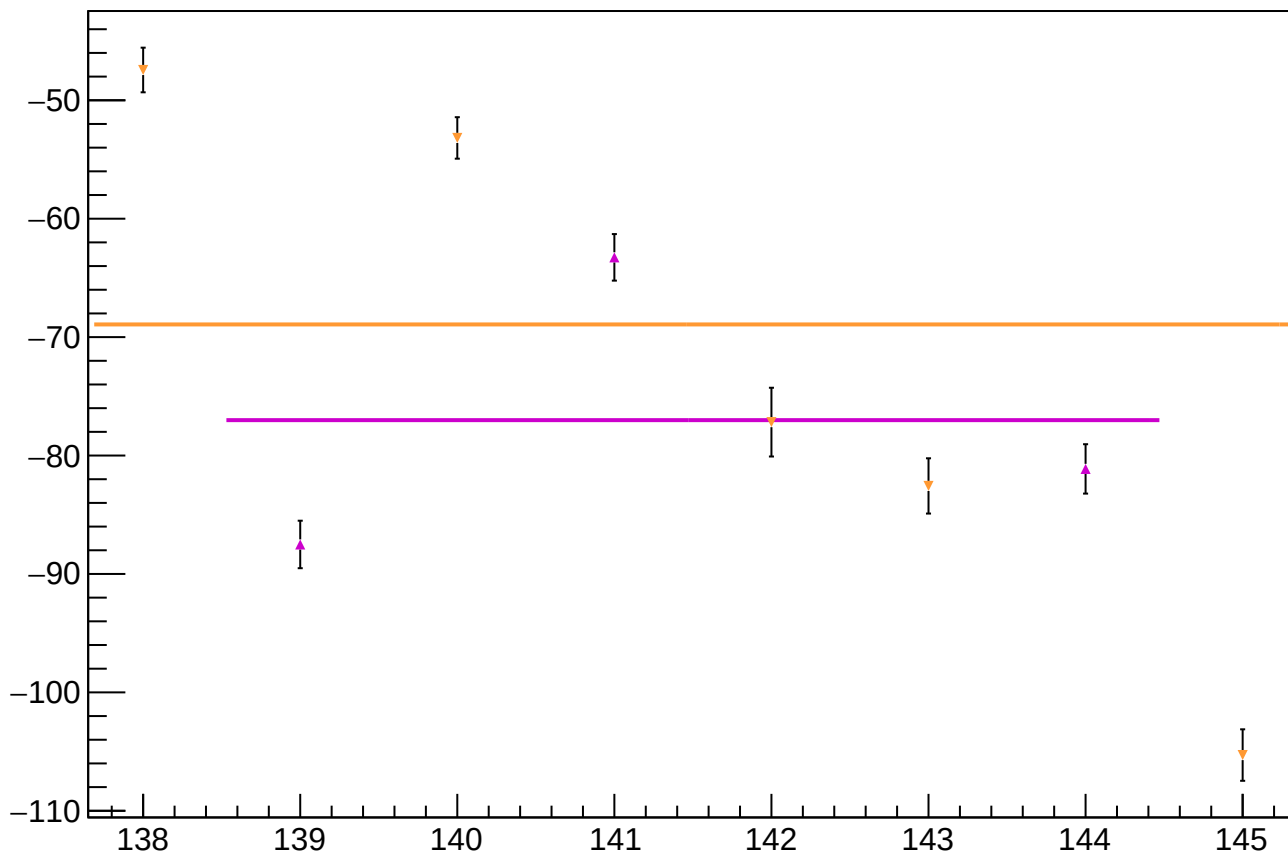
Right Out: -41.631 ± 0.031 χ^2/NDF : 94399.1/18

Left In: -53.582 ± 0.050 χ^2/NDF : 39683.9/2

-44.668 ± 0.026 χ^2/NDF : 146056.8/20

-44.954 ± 0.026 χ^2/NDF : 175002.4/21

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -68.929+/-0.944 χ^2/NDF : 532.8/4

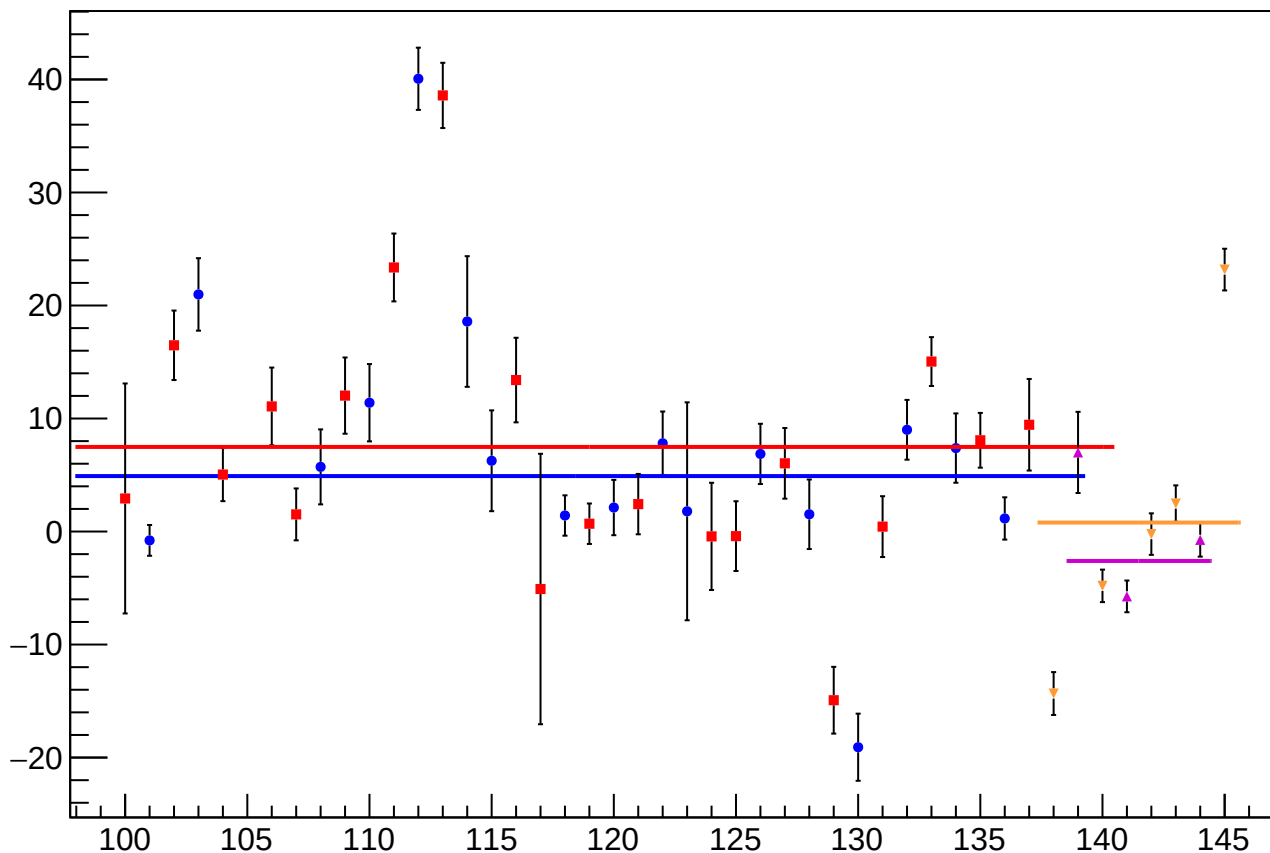
-68.929+/-0.944 χ^2/NDF : 532.8/4

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

-77.011+/-1.164 χ^2/NDF : 80.2/2

Left In: -77.011+/-1.164 χ^2/NDF : 80.2/2

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 0.795 ± 0.759 χ^2/NDF : 227.5/4

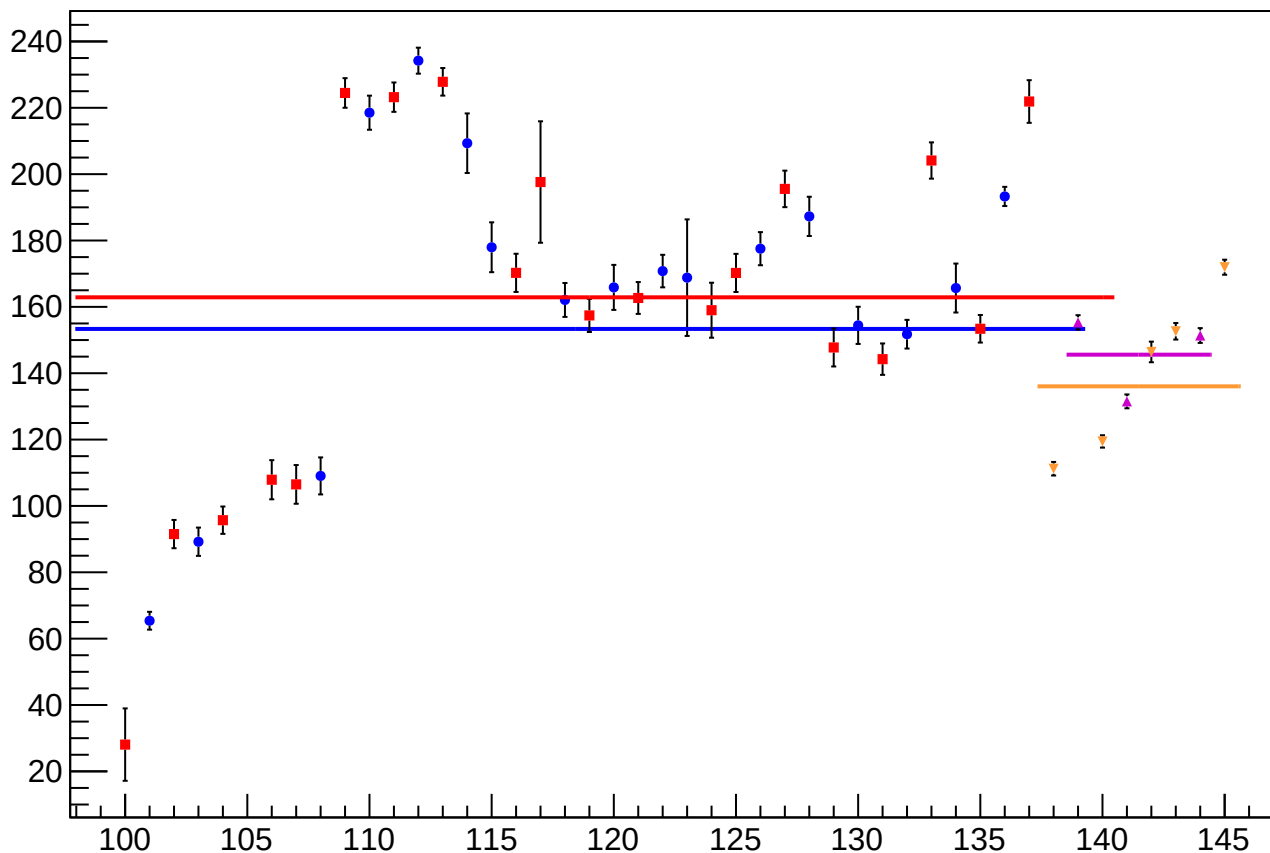
Right Out: 7.486 ± 0.650 χ^2/NDF : 271.7/19

Left In: -2.604 ± 0.981 χ^2/NDF : 13.7/2

3.236 ± 0.484 χ^2/NDF : 540.3/21

4.411 ± 0.542 χ^2/NDF : 359.0/22

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 $\pm$ 1.150 χ^2/NDF : 2268.3/16

Left Out: 136.046 $\pm$ 1.007 χ^2/NDF : 532.6/4

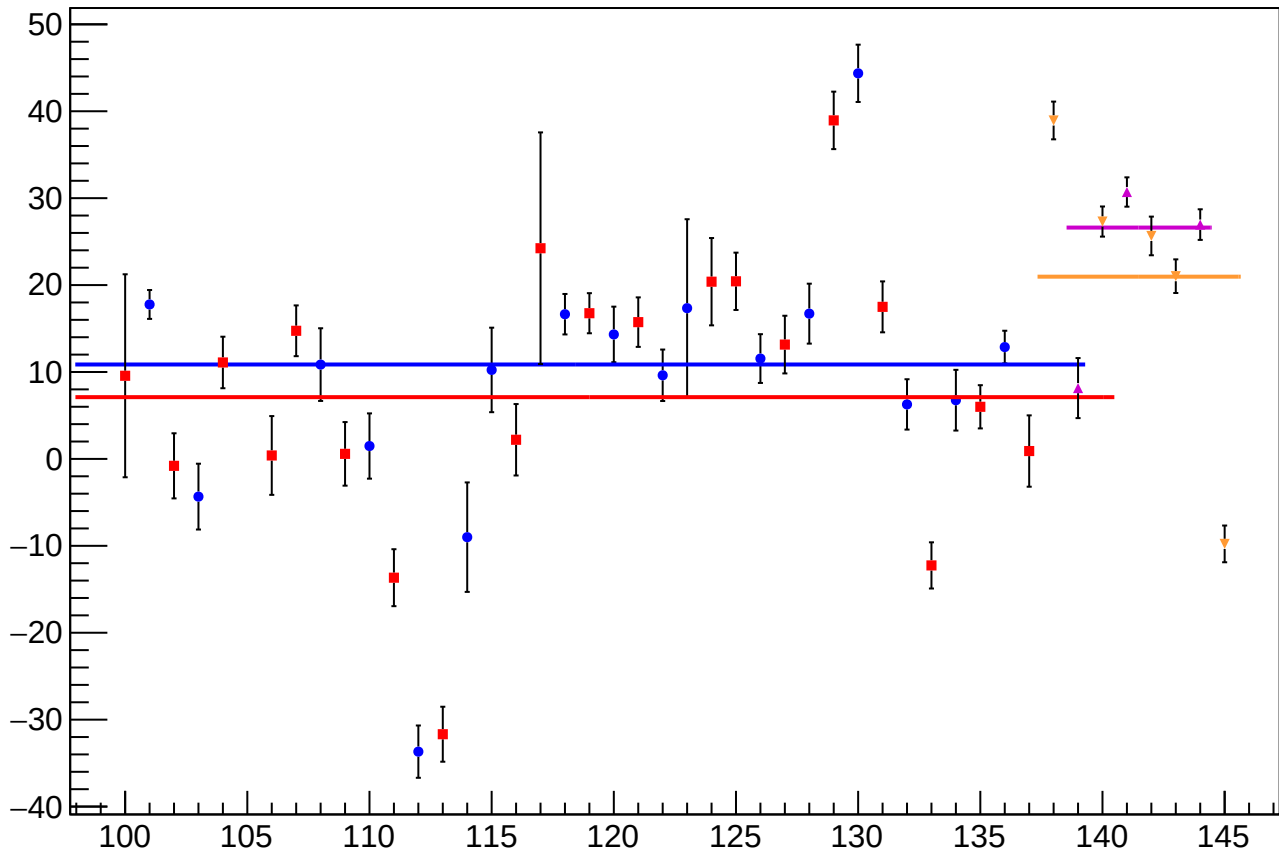
Right Out: 162.878 $\pm$ 1.174 χ^2/NDF : 1712.4/19

Left In: 145.589 $\pm$ 1.248 χ^2/NDF : 72.1/2

143.557 $\pm$ 0.758 χ^2/NDF : 2929.0/21

154.760 $\pm$ 0.855 χ^2/NDF : 1886.3/22

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 ± 0.719 $\chi^2/\text{NDF}: 387.9/16$

Left Out: 20.968 ± 0.899 $\chi^2/\text{NDF}: 298.1/4$

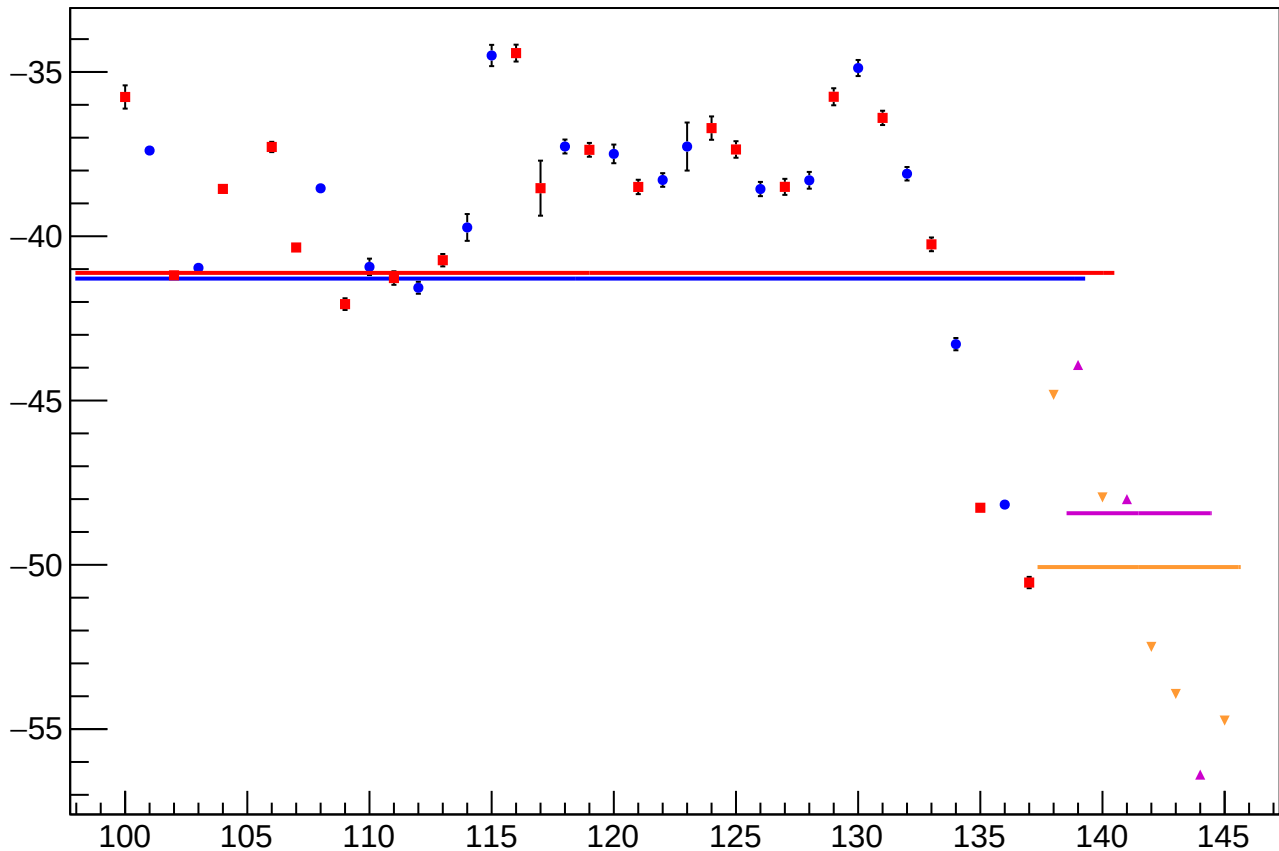
Right Out: 7.106 ± 0.746 $\chi^2/\text{NDF}: 426.4/19$

Left In: 26.616 ± 1.149 $\chi^2/\text{NDF}: 34.5/2$

14.810 ± 0.562 $\chi^2/\text{NDF}: 763.1/21$

12.895 ± 0.626 $\chi^2/\text{NDF}: 663.6/22$

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -50.068 ± 0.041 $\chi^2/\text{NDF}: 9472.8/4$

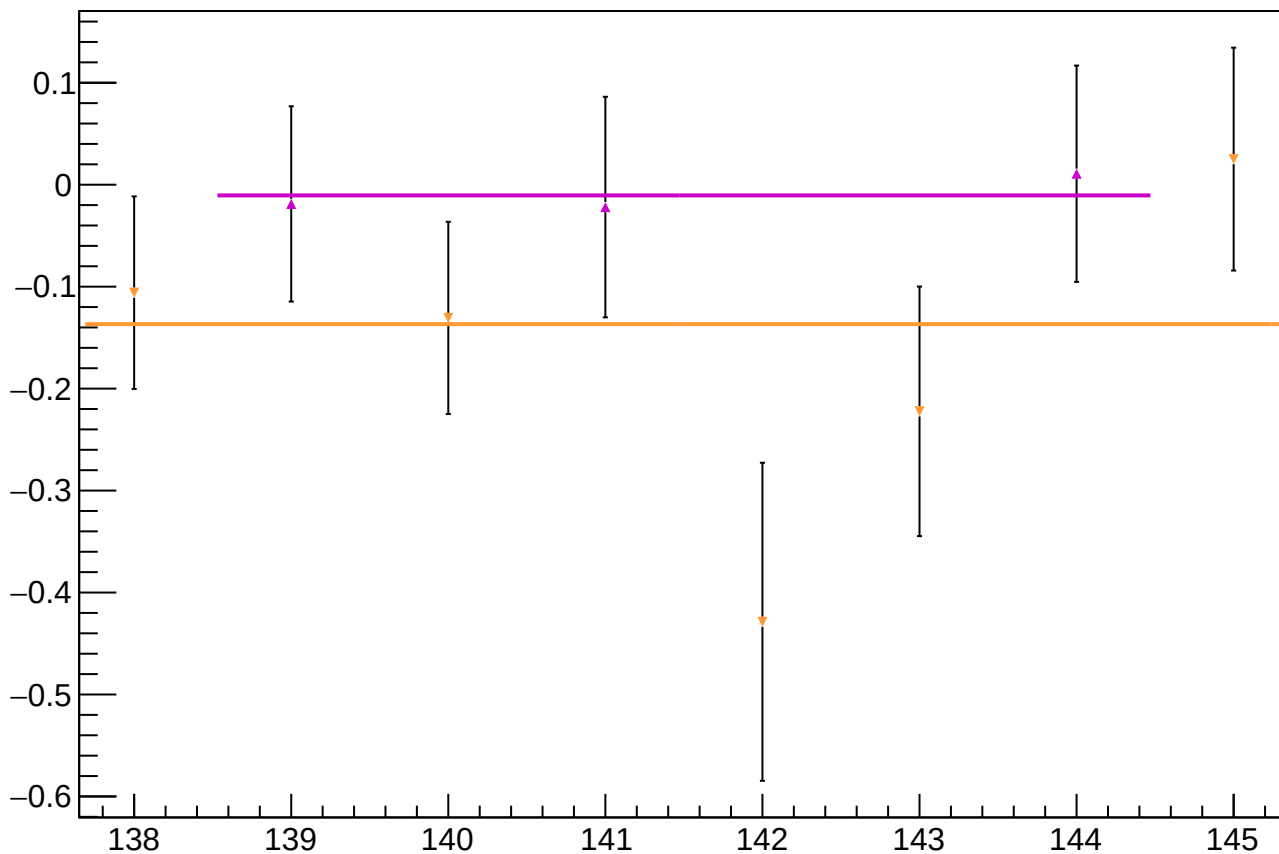
Right Out: -41.115 ± 0.039 $\chi^2/\text{NDF}: 12120.1/19$

Left In: -48.430 ± 0.049 $\chi^2/\text{NDF}: 10172.2/2$

-45.406 ± 0.028 $\chi^2/\text{NDF}: 46232.4/21$

-43.920 ± 0.030 $\chi^2/\text{NDF}: 36045.2/22$

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.137+/-0.049 χ^2/NDF : 6.3/4

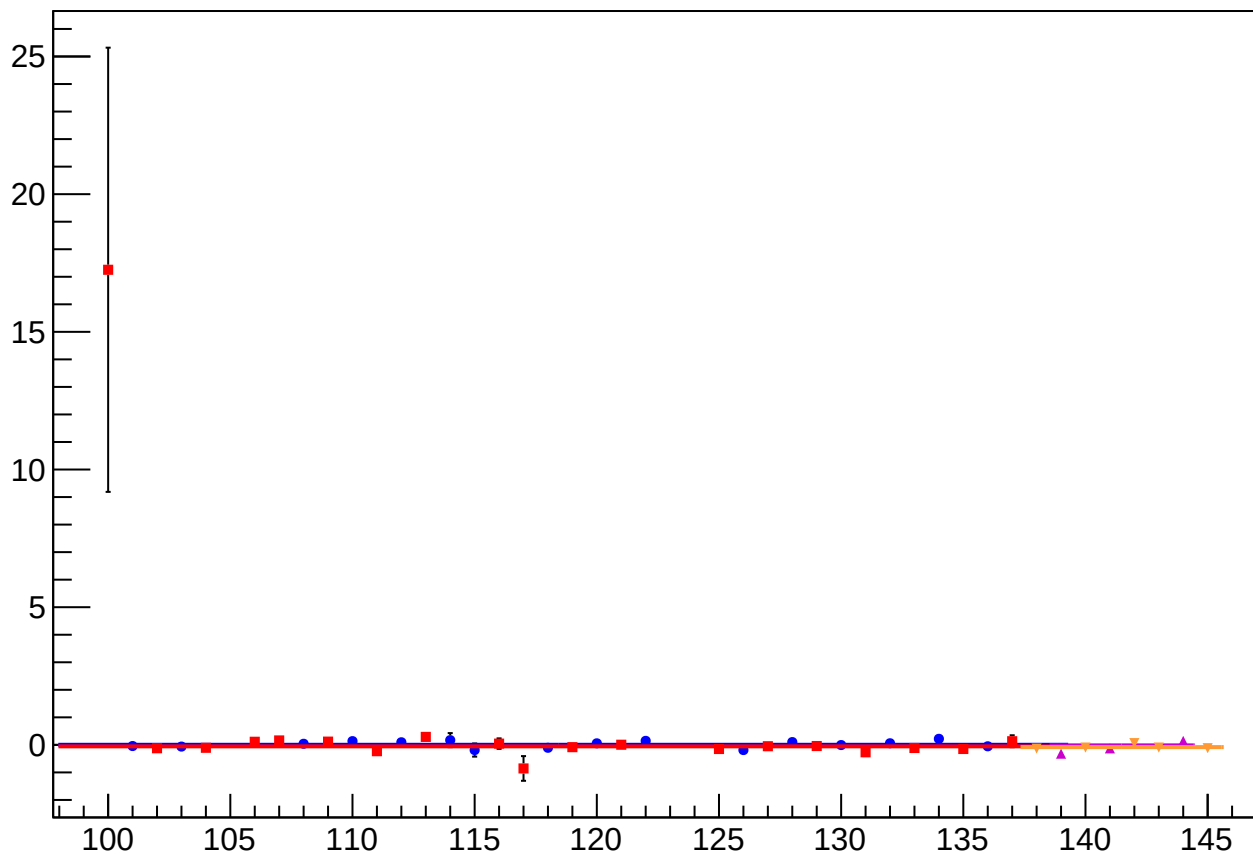
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.010+/-0.059 χ^2/NDF : 0.1/2

-0.137+/-0.049 χ^2/NDF : 6.3/4

-0.010+/-0.059 χ^2/NDF : 0.1/2

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.081 ± 0.040 χ^2/NDF : 2.7/4

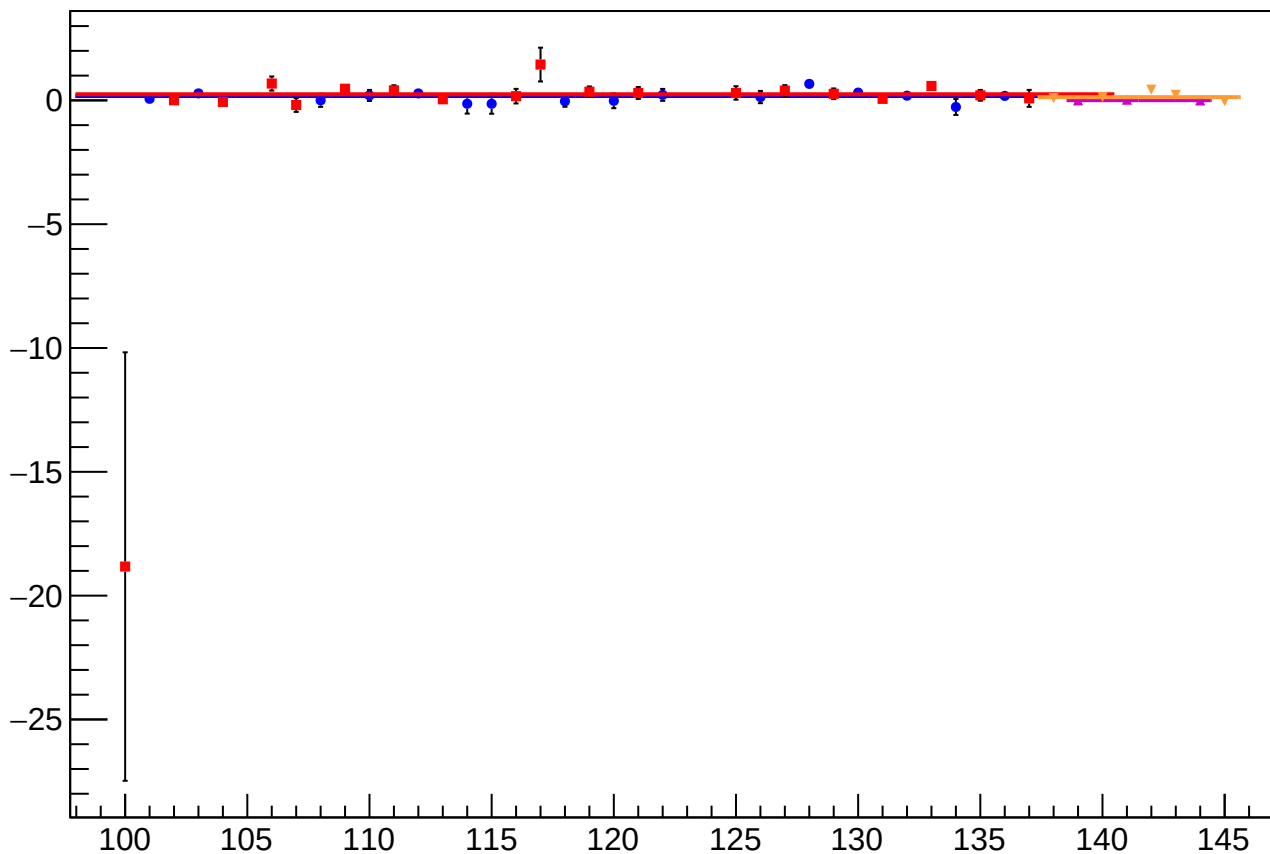
Right Out: -0.053 ± 0.029 χ^2/NDF : 28.8/18

Left In: -0.018 ± 0.052 χ^2/NDF : 9.6/2

-0.025 ± 0.023 χ^2/NDF : 18.0/20

-0.045 ± 0.025 χ^2/NDF : 38.8/21

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

Left Out: 0.130+/-0.052 χ^2/NDF : 5.9/4

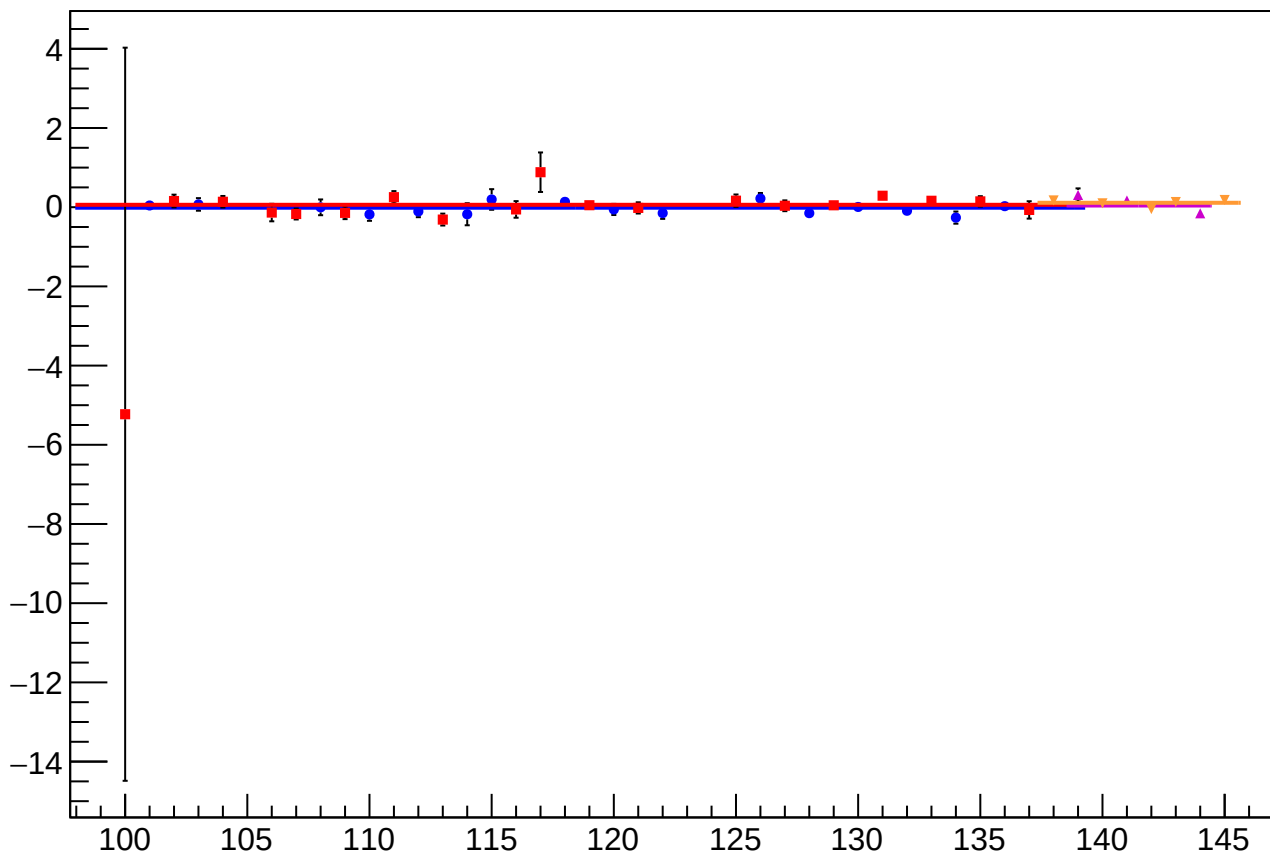
Right Out: 0.247+/-0.054 χ^2/NDF : 24.7/18

Left In: 0.008+/-0.064 χ^2/NDF : 0.0/2

0.153+/-0.037 χ^2/NDF : 19.3/20

0.148+/-0.041 χ^2/NDF : 33.0/21

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013+/-0.033 χ^2 /NDF: 13.6/15

Left Out: 0.111+/-0.047 χ^2 /NDF: 2.5/4

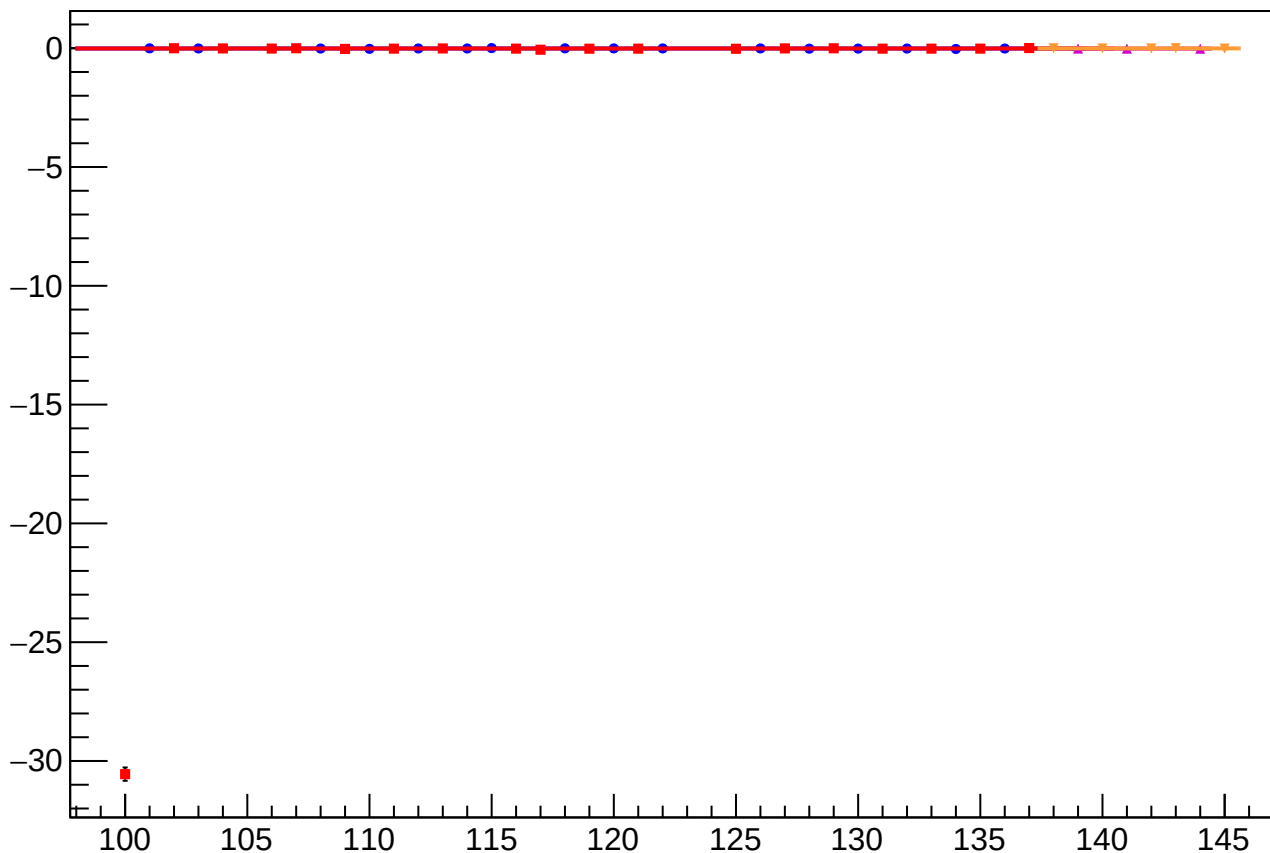
Right Out: 0.061+/-0.034 χ^2 /NDF: 23.1/18

Left In: 0.042+/-0.060 χ^2 /NDF: 9.3/2

0.027+/-0.027 χ^2 /NDF: 20.9/20

0.056+/-0.029 χ^2 /NDF: 32.4/21

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.007 $\pm$ 0.002 χ^2 /NDF: 11.0/4

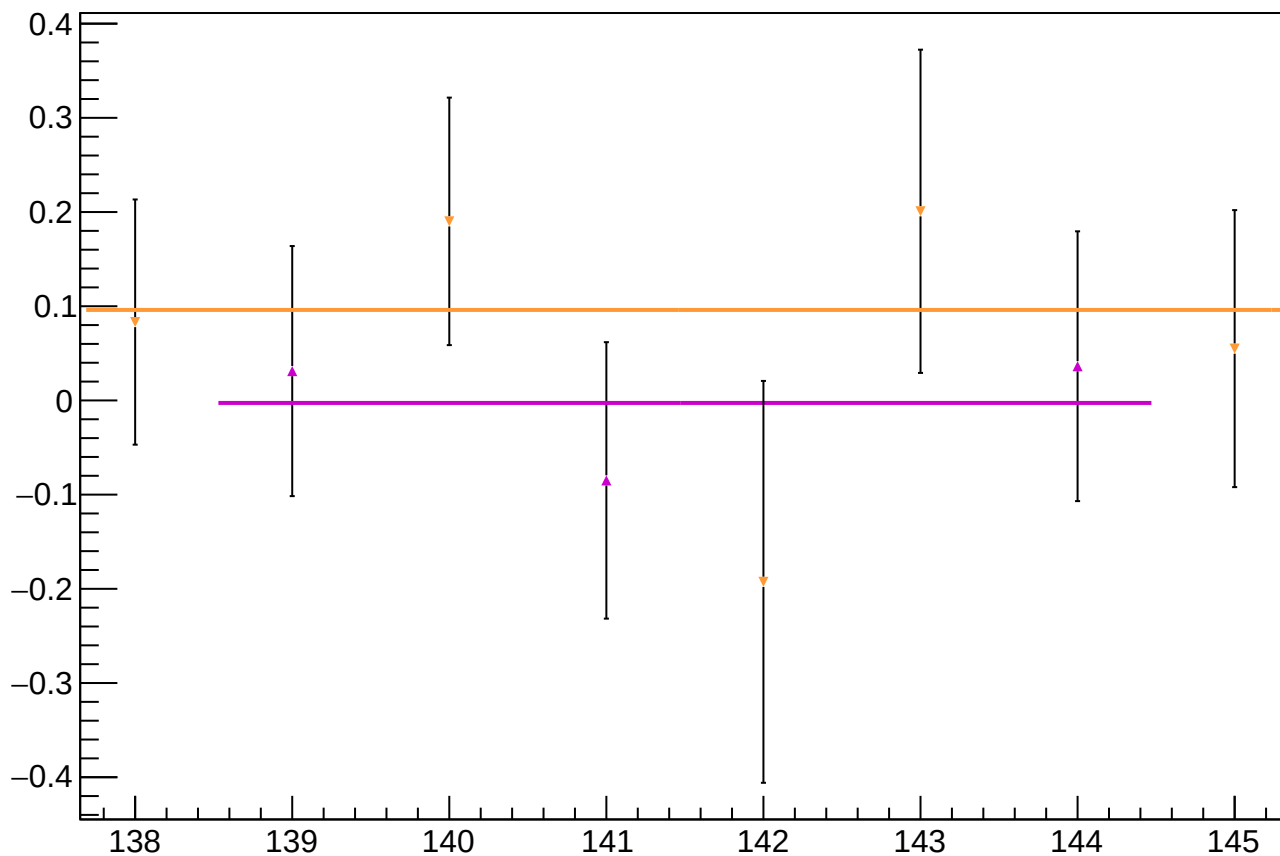
Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11894.0/18

Left In: -0.017 $\pm$ 0.002 χ^2 /NDF: 0.8/2

-0.010 $\pm$ 0.001 χ^2 /NDF: 26.6/20

-0.014 $\pm$ 0.001 χ^2 /NDF: 11897.1/21

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: 0.096 $\pm$ 0.068 χ^2 /NDF: 2.8/4

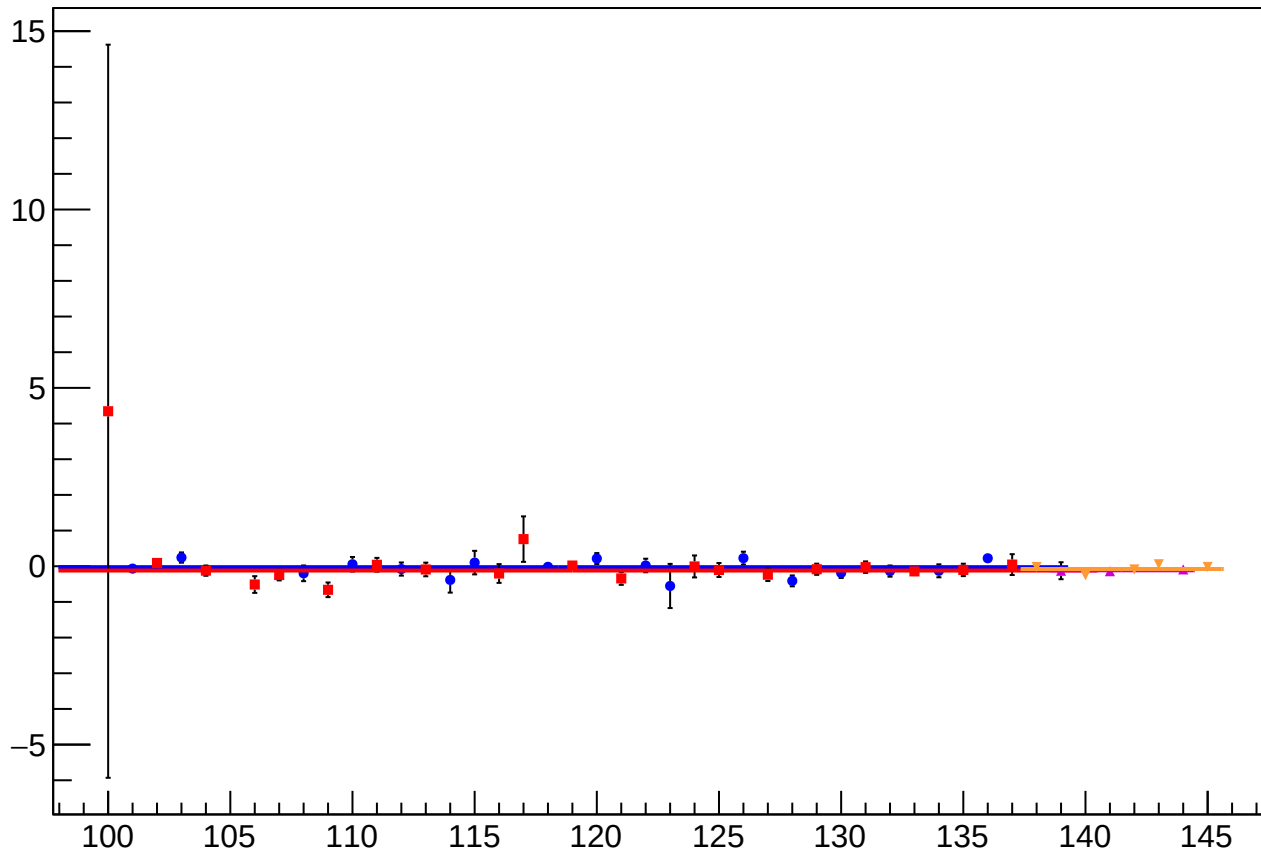
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.003 $\pm$ 0.081 χ^2 /NDF: 0.5/2

0.096 $\pm$ 0.068 χ^2 /NDF: 2.8/4

-0.003 $\pm$ 0.081 χ^2 /NDF: 0.5/2

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

-0.042 ± 0.031 χ^2/NDF : 27.6/21

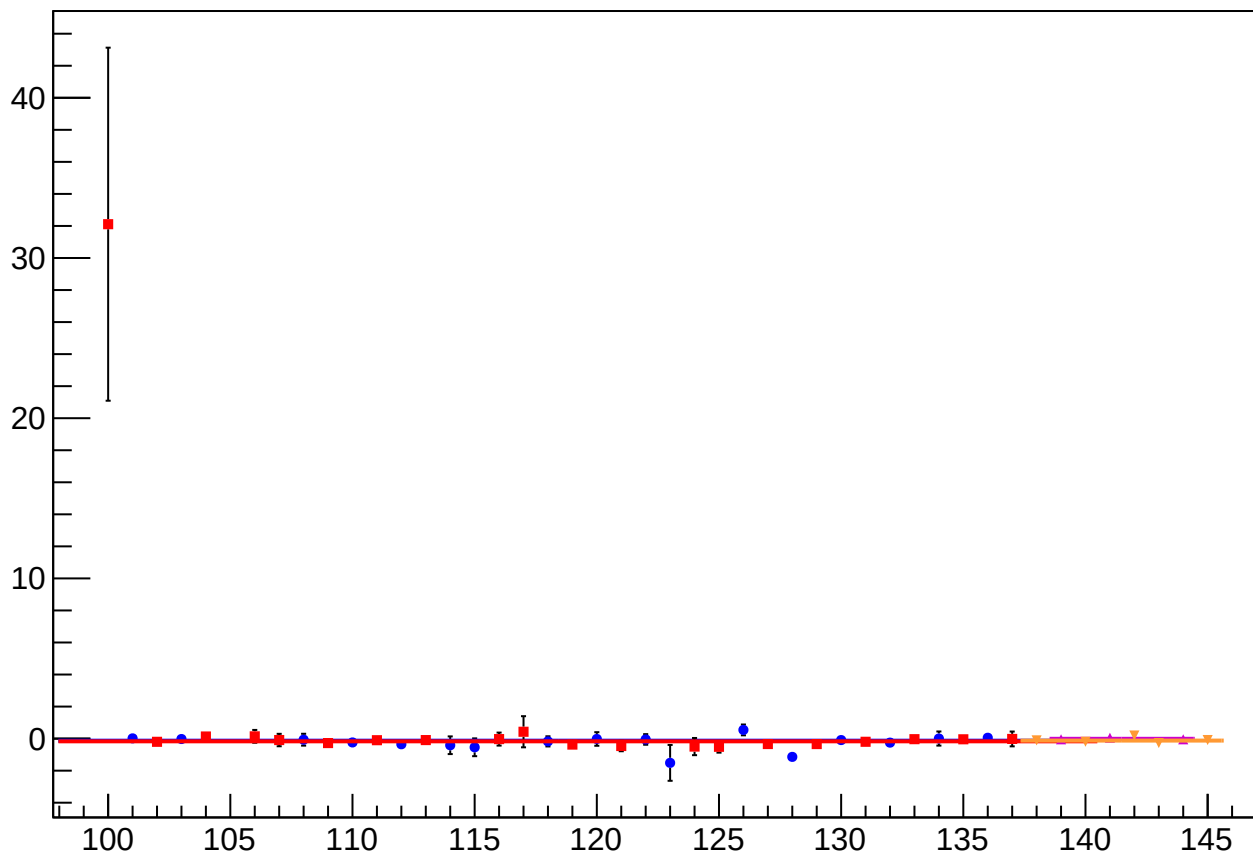
Left Out: -0.077 ± 0.055 χ^2/NDF : 4.3/4

Right Out: -0.120 ± 0.039 χ^2/NDF : 20.2/19

-0.119 ± 0.034 χ^2/NDF : 20.3/22

Left In: -0.114 ± 0.070 χ^2/NDF : 0.1/2

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: -0.123 ± 0.072 χ^2/NDF : 2.9/4

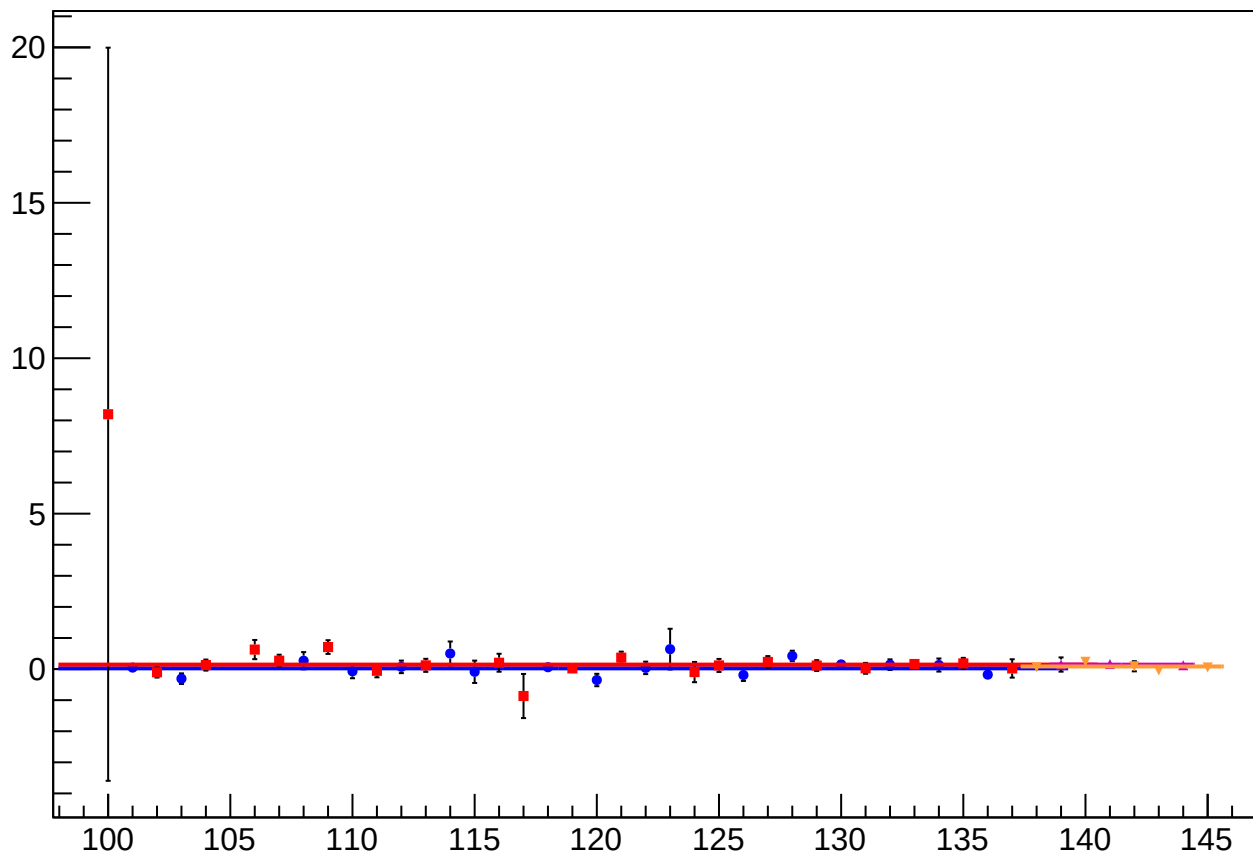
Right Out: -0.169 ± 0.071 χ^2/NDF : 15.3/19

Left In: -0.012 ± 0.087 χ^2/NDF : 0.3/2

-0.126 ± 0.049 χ^2/NDF : 26.0/21

-0.106 ± 0.055 χ^2/NDF : 17.5/22

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.084 ± 0.065 χ^2/NDF : 2.2/4

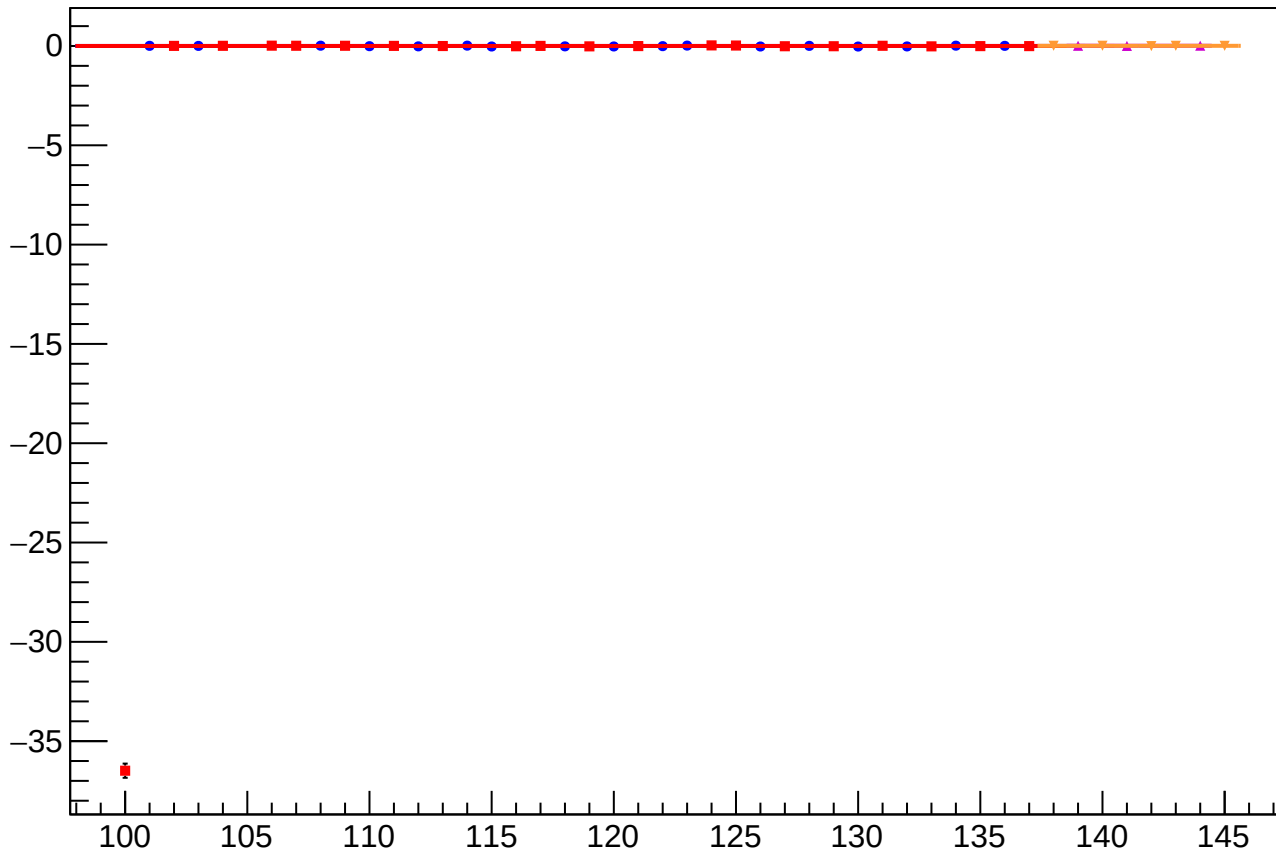
Right Out: 0.144 ± 0.045 χ^2/NDF : 18.6/19

Left In: 0.143 ± 0.082 χ^2/NDF : 0.0/2

0.041 ± 0.036 χ^2/NDF : 24.2/21

0.144 ± 0.040 χ^2/NDF : 18.7/22

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 30.6/16

Left Out: 0.009+/-0.003 χ^2/NDF : 3.2/4

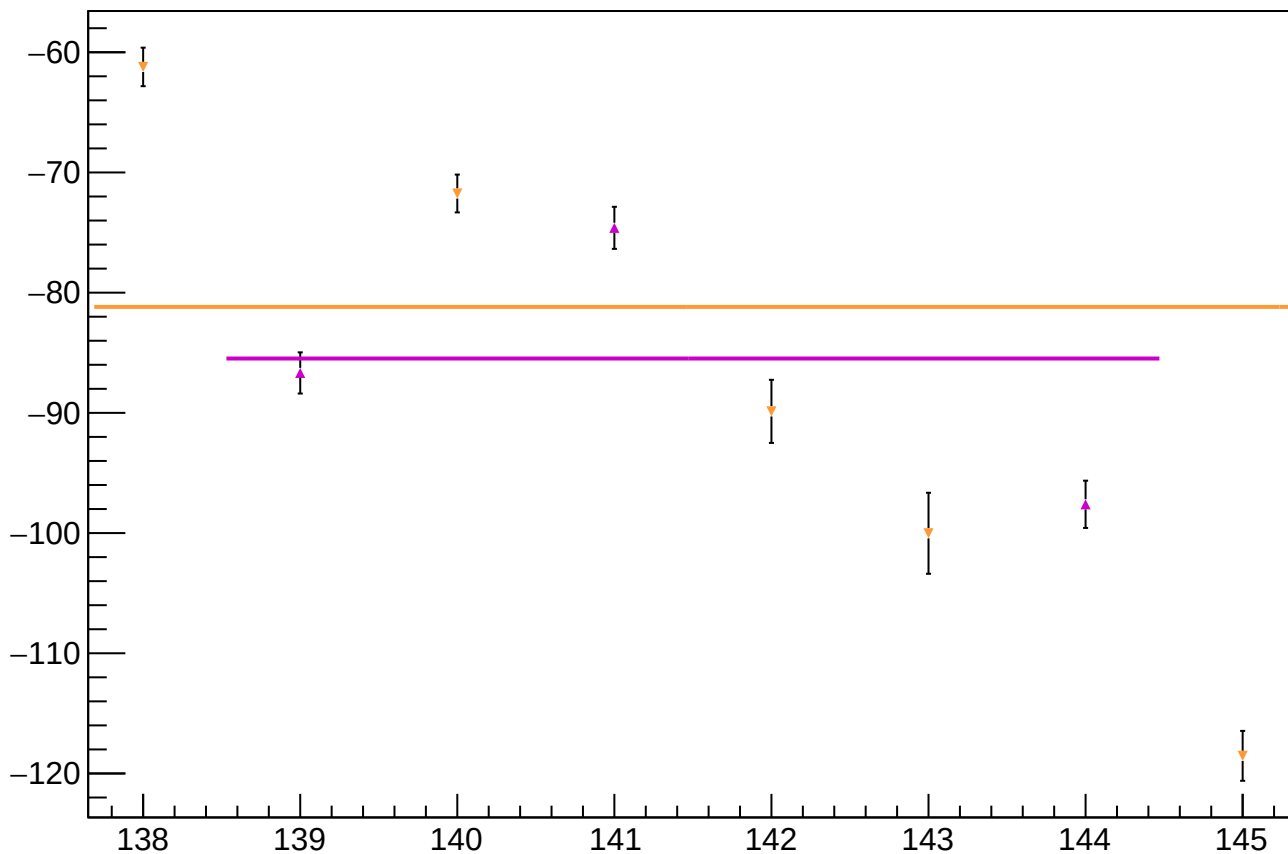
Right Out: 0.001+/-0.002 χ^2/NDF : 10449.1/19

Left In: 0.010+/-0.003 χ^2/NDF : 1.7/2

0.004+/-0.002 χ^2/NDF : 37.7/21

0.004+/-0.002 χ^2/NDF : 10455.9/22

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -81.185+/-0.891 χ^2/NDF : 557.2/4

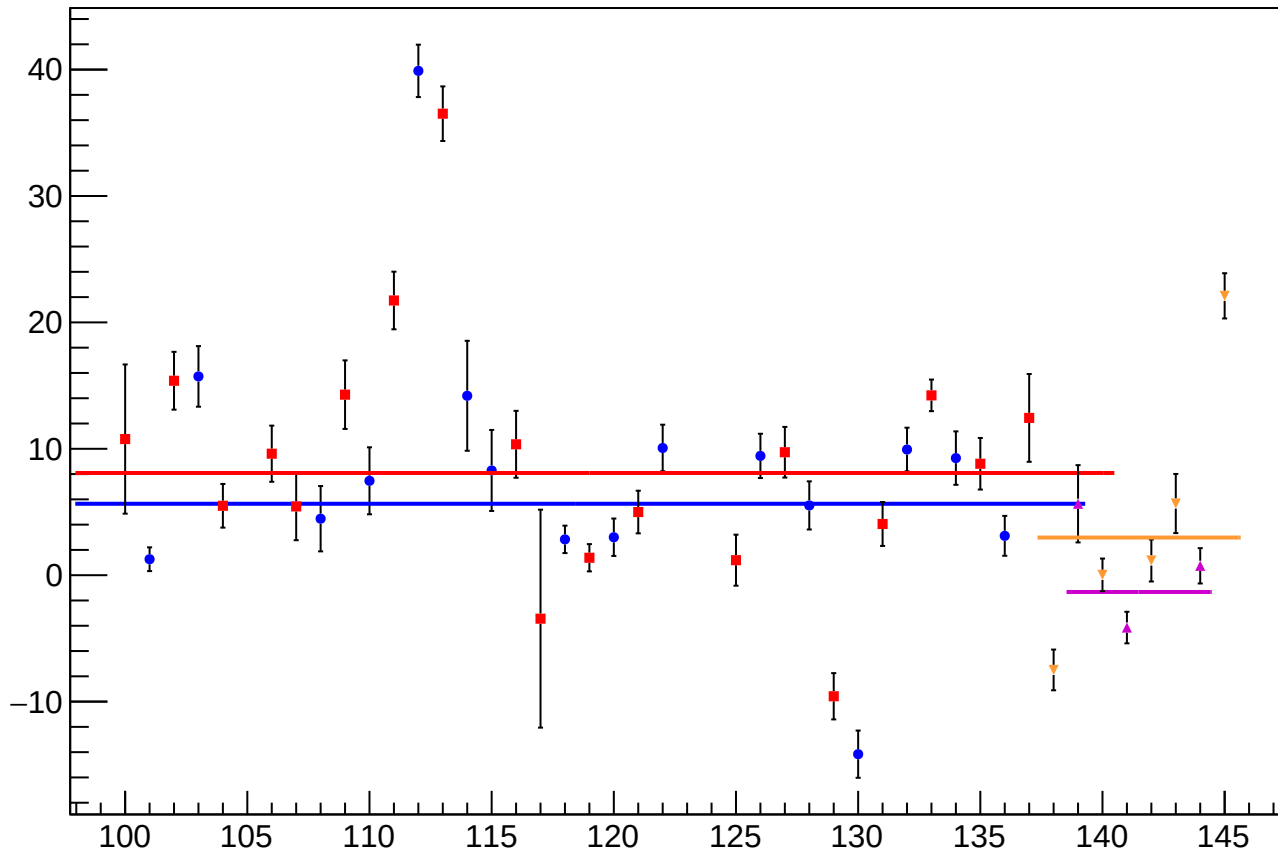
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -85.478+/-1.039 χ^2/NDF : 77.1/2

-81.185+/-0.891 χ^2/NDF : 557.2/4

-85.478+/-1.039 χ^2/NDF : 77.1/2

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 $\chi^2/\text{NDF}: 461.9/15$

Left Out: 2.979 ± 0.736 $\chi^2/\text{NDF}: 164.4/4$

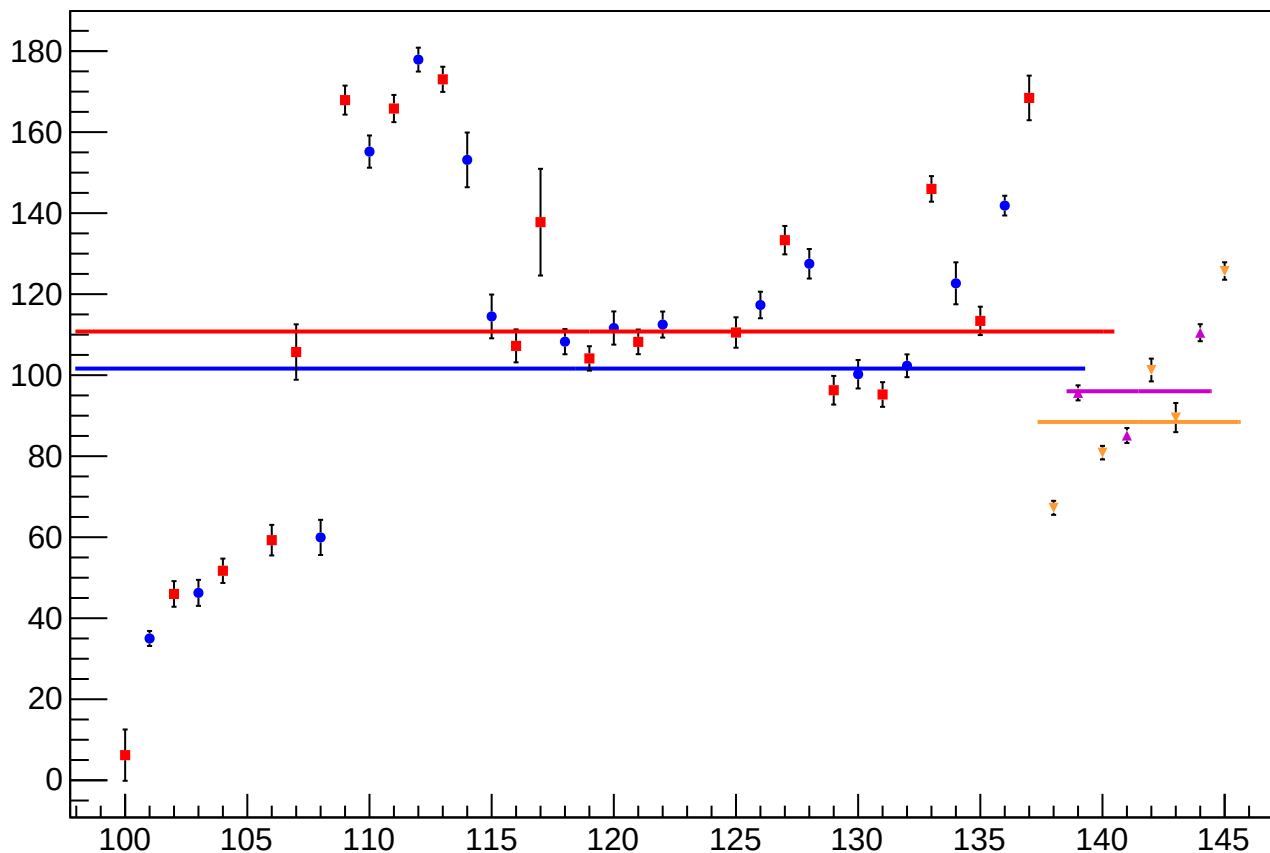
Right Out: 8.087 ± 0.452 $\chi^2/\text{NDF}: 409.7/18$

Left In: -1.327 ± 0.891 $\chi^2/\text{NDF}: 12.5/2$

4.973 ± 0.371 $\chi^2/\text{NDF}: 636.1/20$

6.159 ± 0.403 $\chi^2/\text{NDF}: 511.0/21$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 88.459 $\pm$ 0.950 χ^2 /NDF: 489.6/4

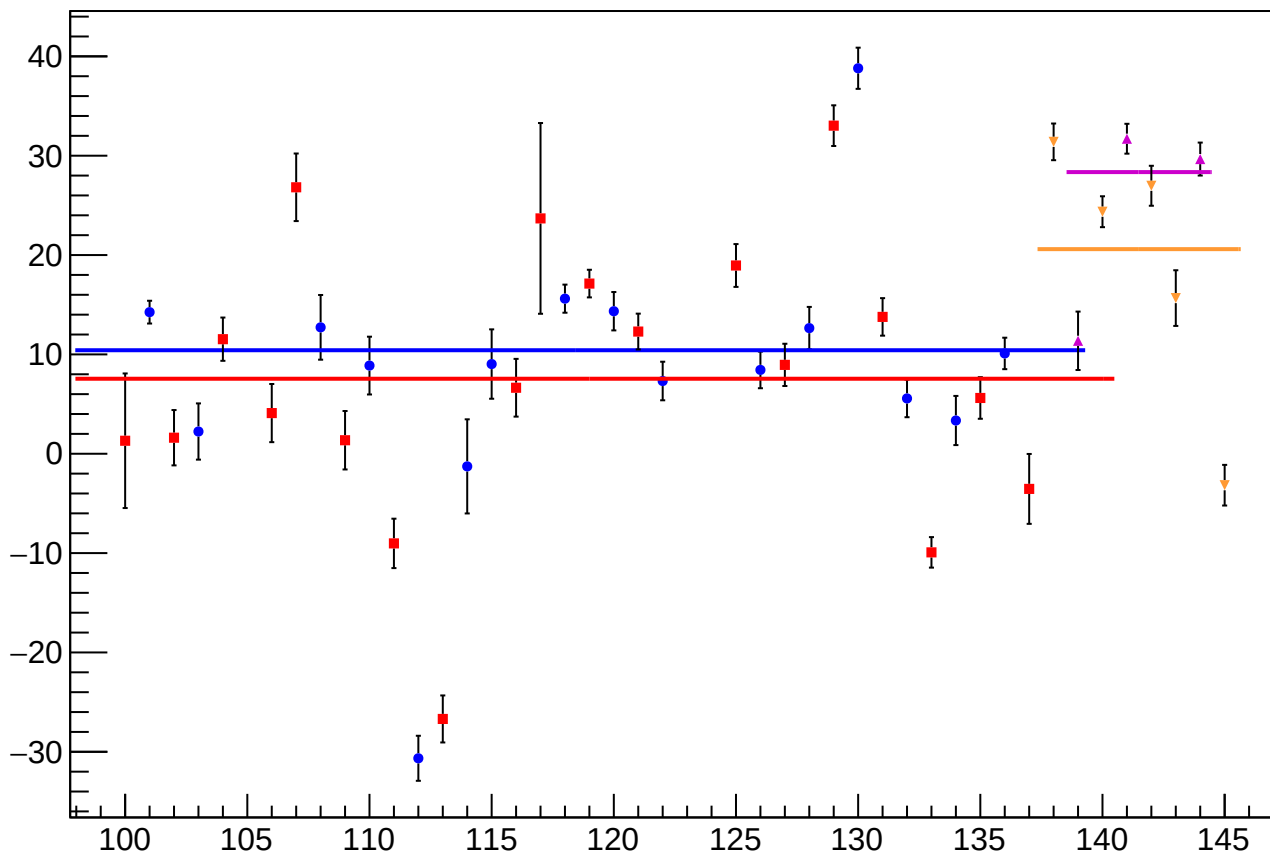
Right Out: 110.778 $\pm$ 0.834 χ^2 /NDF: 2518.3/18

Left In: 96.033 $\pm$ 1.115 χ^2 /NDF: 81.8/2

96.073 $\pm$ 0.617 χ^2 /NDF: 3580.7/20

105.482 $\pm$ 0.668 χ^2 /NDF: 2712.2/21

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2/NDF : 579.7/15

Left Out: 20.595 $\pm$ 0.870 χ^2/NDF : 188.1/4

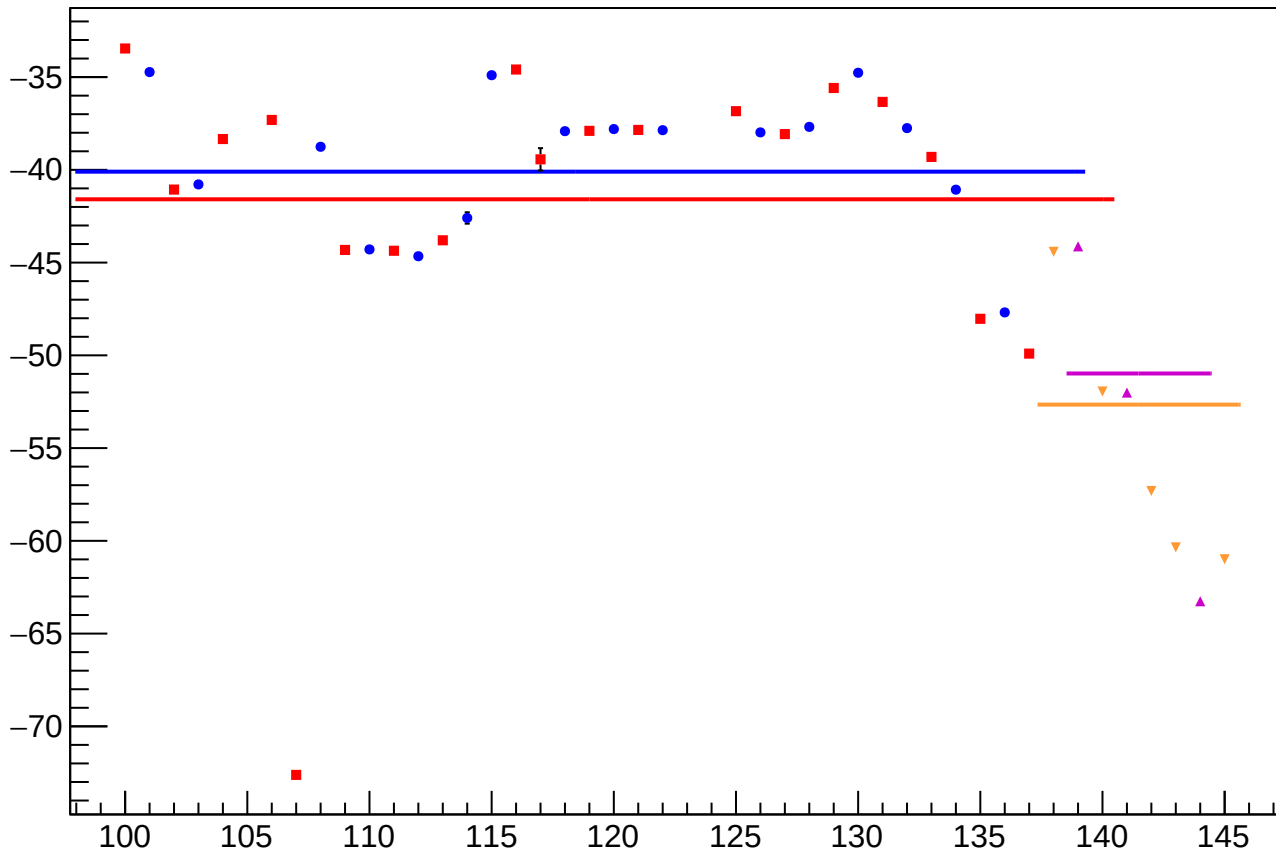
Right Out: 7.550 $\pm$ 0.522 χ^2/NDF : 692.3/18

Left In: 28.351 $\pm$ 1.041 χ^2/NDF : 39.0/2

12.925 $\pm$ 0.432 χ^2/NDF : 870.9/20

11.733 $\pm$ 0.467 χ^2/NDF : 1050.0/21

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -52.657 ± 0.039 χ^2/NDF : 28565.6/4

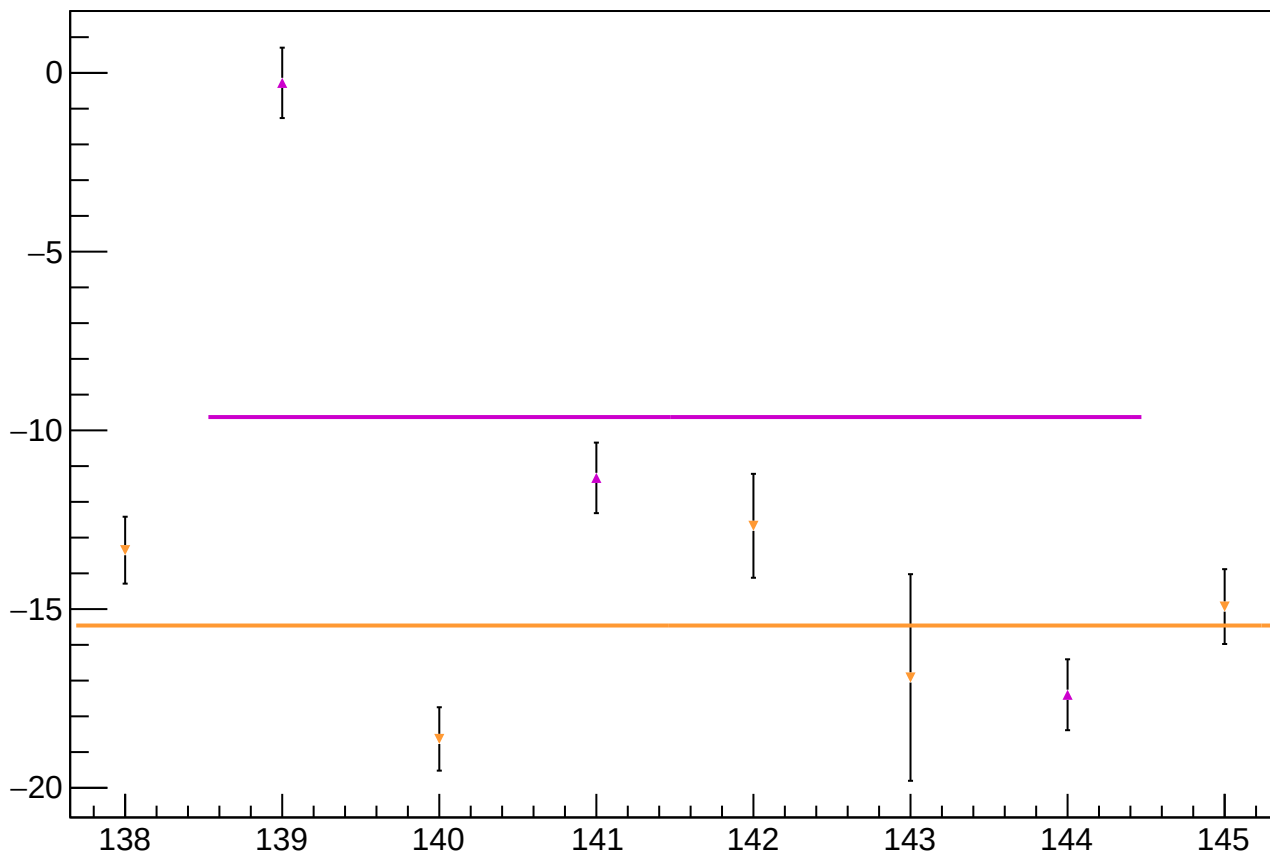
Right Out: -41.588 ± 0.029 χ^2/NDF : 61690.5/18

Left In: -50.977 ± 0.043 χ^2/NDF : 29081.1/2

-44.453 ± 0.023 χ^2/NDF : 121846.9/20

-44.426 ± 0.024 χ^2/NDF : 123436.3/21

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -15.459+/-0.505 χ^2/NDF : 22.1/4

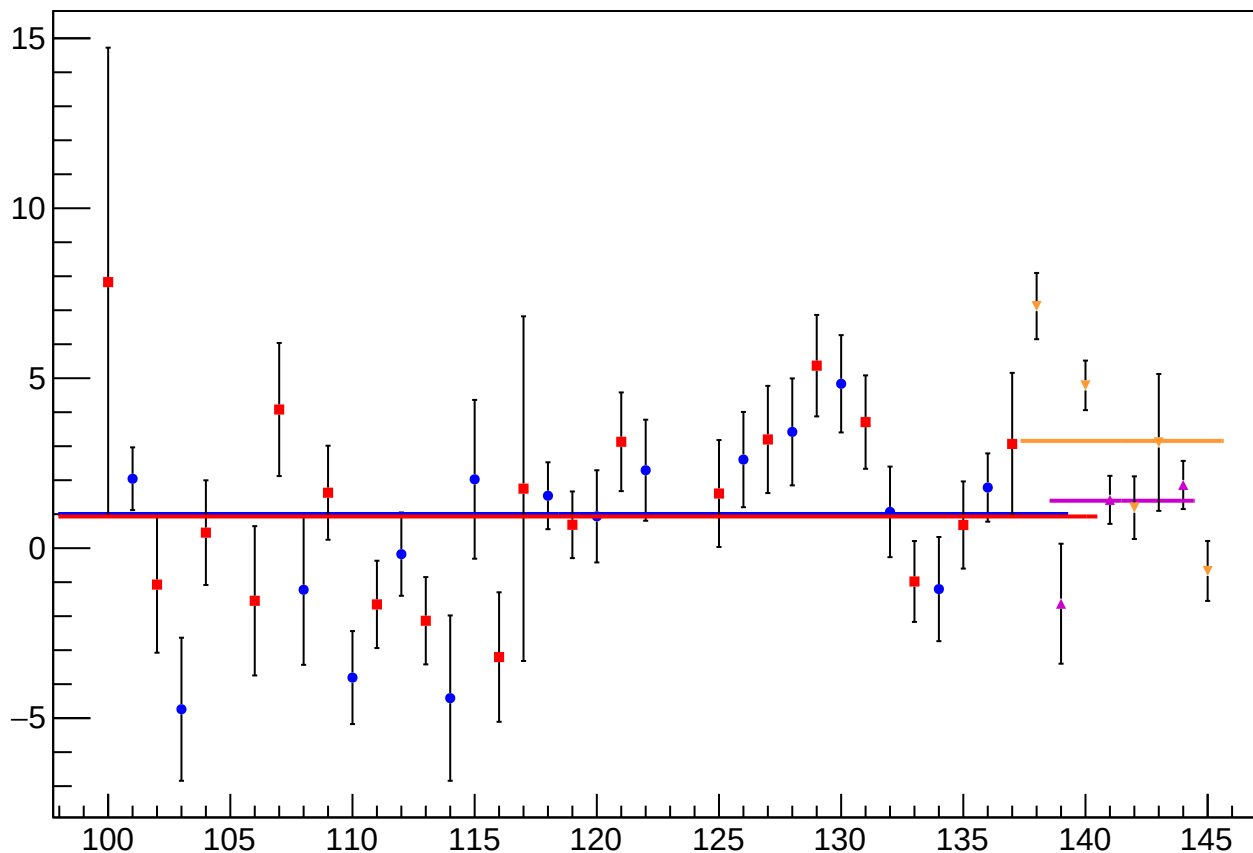
-15.459+/-0.505 χ^2/NDF : 22.1/4

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

-9.628+/-0.570 χ^2/NDF : 154.5/2

Left In: -9.628+/-0.570 χ^2/NDF : 154.5/2

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: 3.157 ± 0.421 χ^2/NDF : 45.0/4

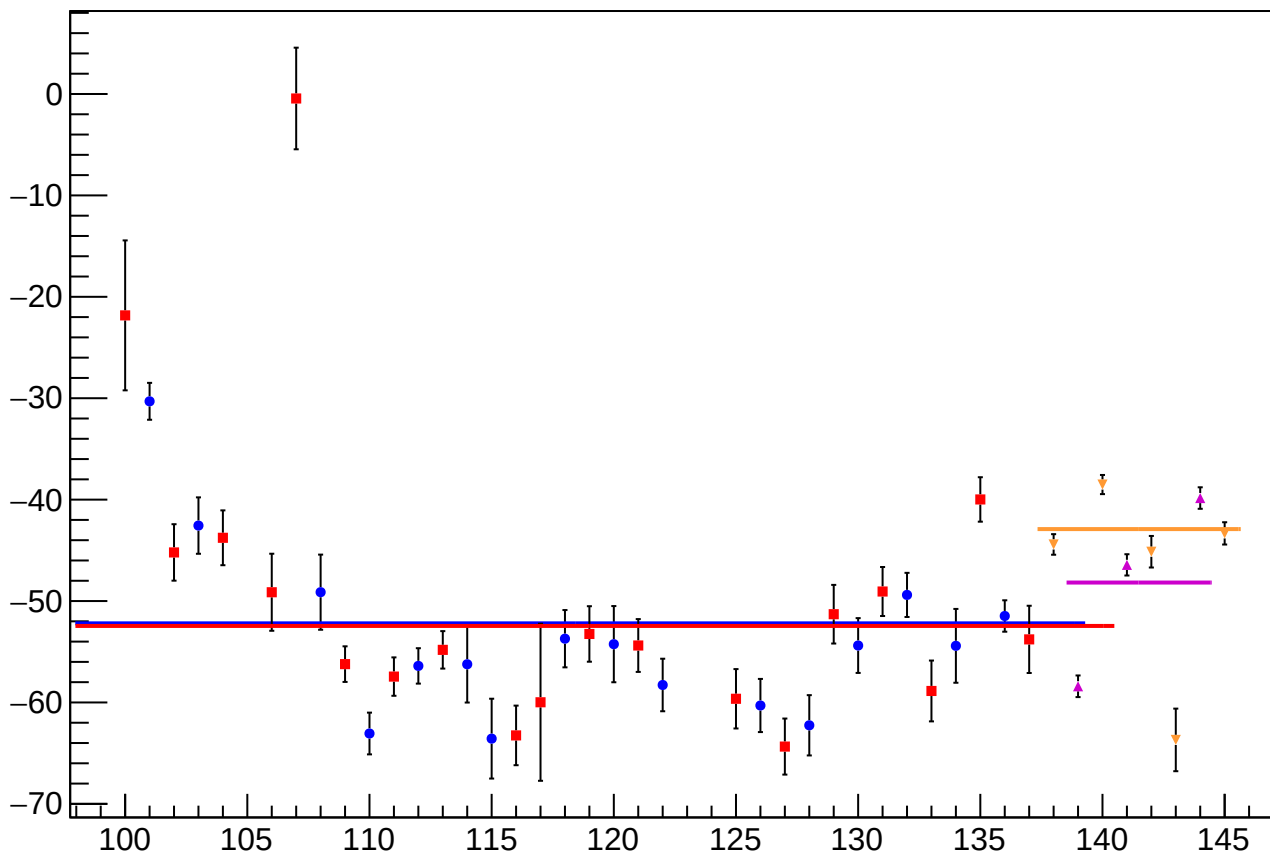
Right Out: 0.933 ± 0.352 χ^2/NDF : 41.9/18

Left In: 1.397 ± 0.481 χ^2/NDF : 3.4/2

1.860 ± 0.265 χ^2/NDF : 103.5/20

1.095 ± 0.284 χ^2/NDF : 45.9/21

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 $\pm$ 0.615 χ^2/NDF : 230.6/15

Left Out: -42.905 $\pm$ 0.539 χ^2/NDF : 71.5/4

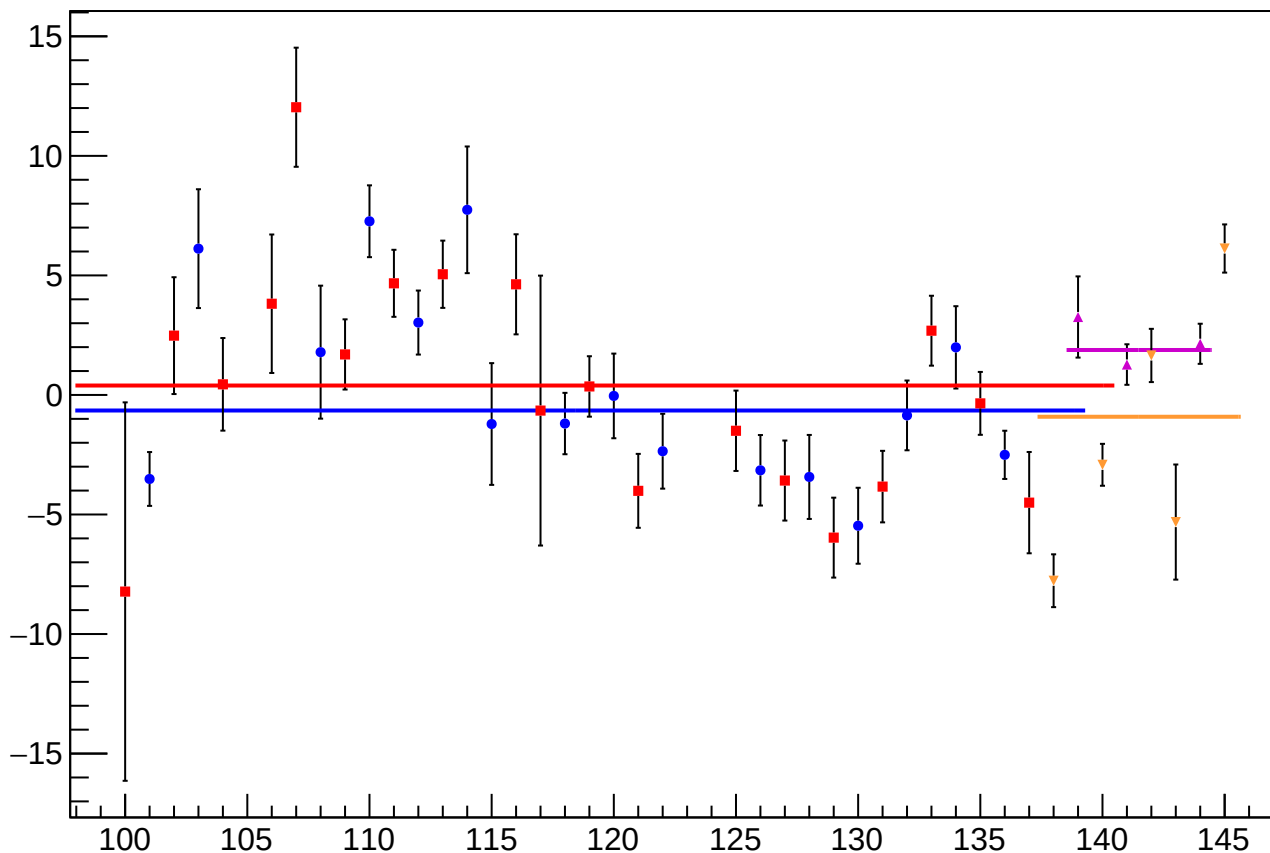
Right Out: -52.455 $\pm$ 0.614 χ^2/NDF : 234.8/18

Left In: -48.176 $\pm$ 0.611 χ^2/NDF : 156.4/2

-46.948 $\pm$ 0.405 χ^2/NDF : 431.3/20

-50.306 $\pm$ 0.433 χ^2/NDF : 415.6/21

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: -0.912 ± 0.495 χ^2/NDF : 101.2/4

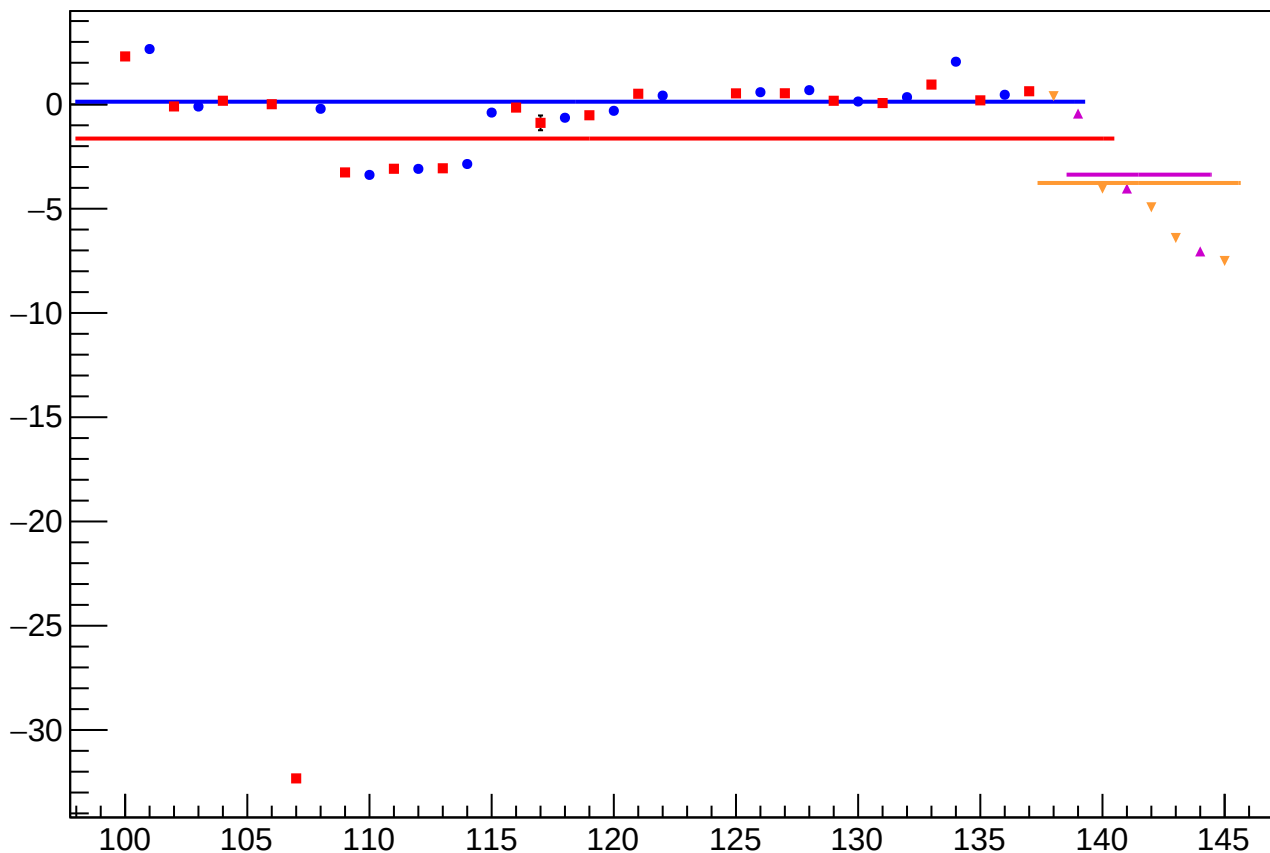
Right Out: 0.394 ± 0.398 χ^2/NDF : 95.9/18

Left In: 1.880 ± 0.563 χ^2/NDF : 1.3/2

-0.750 ± 0.305 χ^2/NDF : 183.3/20

0.891 ± 0.325 χ^2/NDF : 101.9/21

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -3.765 ± 0.022 $\chi^2/\text{NDF}: 19333.3/4$

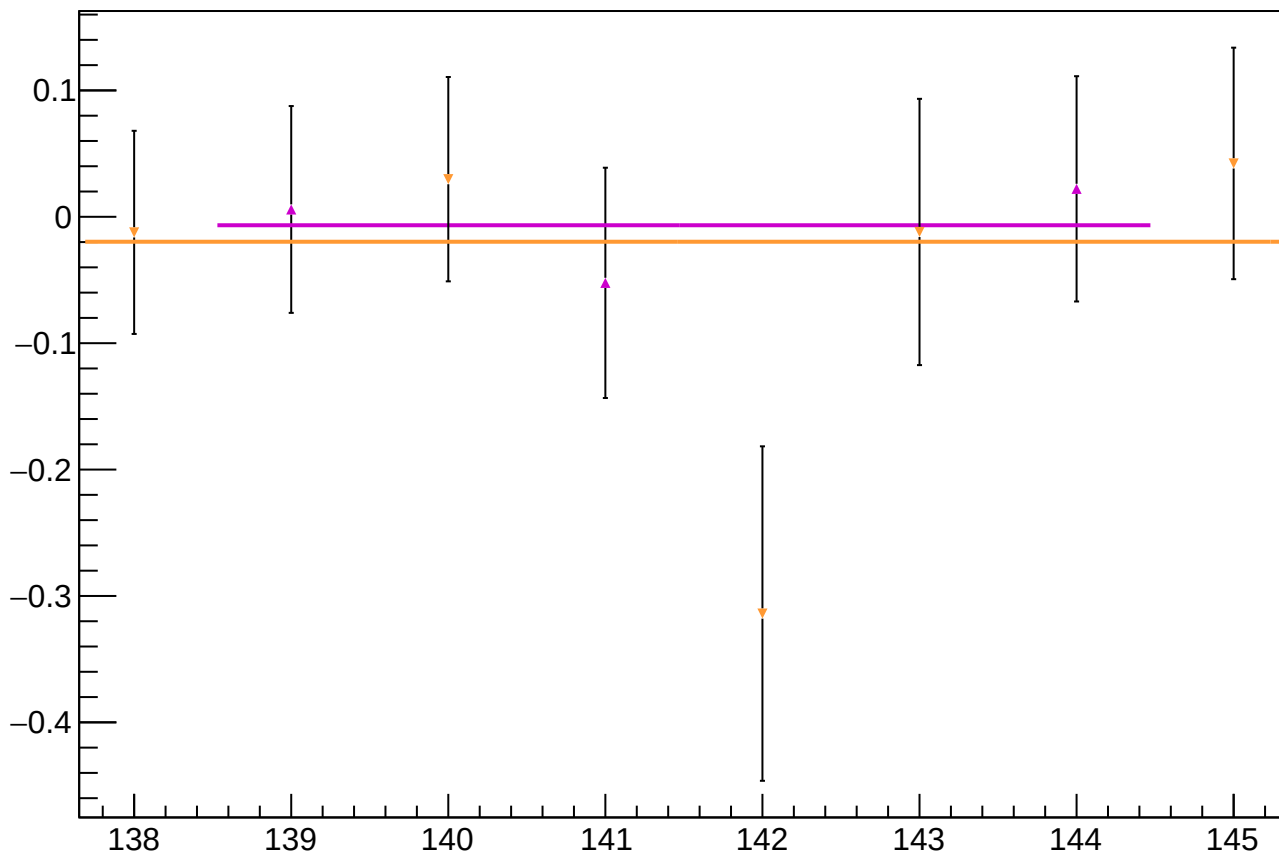
Right Out: -1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

Left In: -3.366 ± 0.024 $\chi^2/\text{NDF}: 12655.5/2$

-1.787 ± 0.015 $\chi^2/\text{NDF}: 40670.3/20$

-2.418 ± 0.016 $\chi^2/\text{NDF}: 93361.0/21$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.020 $\pm$ 0.042 χ^2 /NDF: 5.8/4

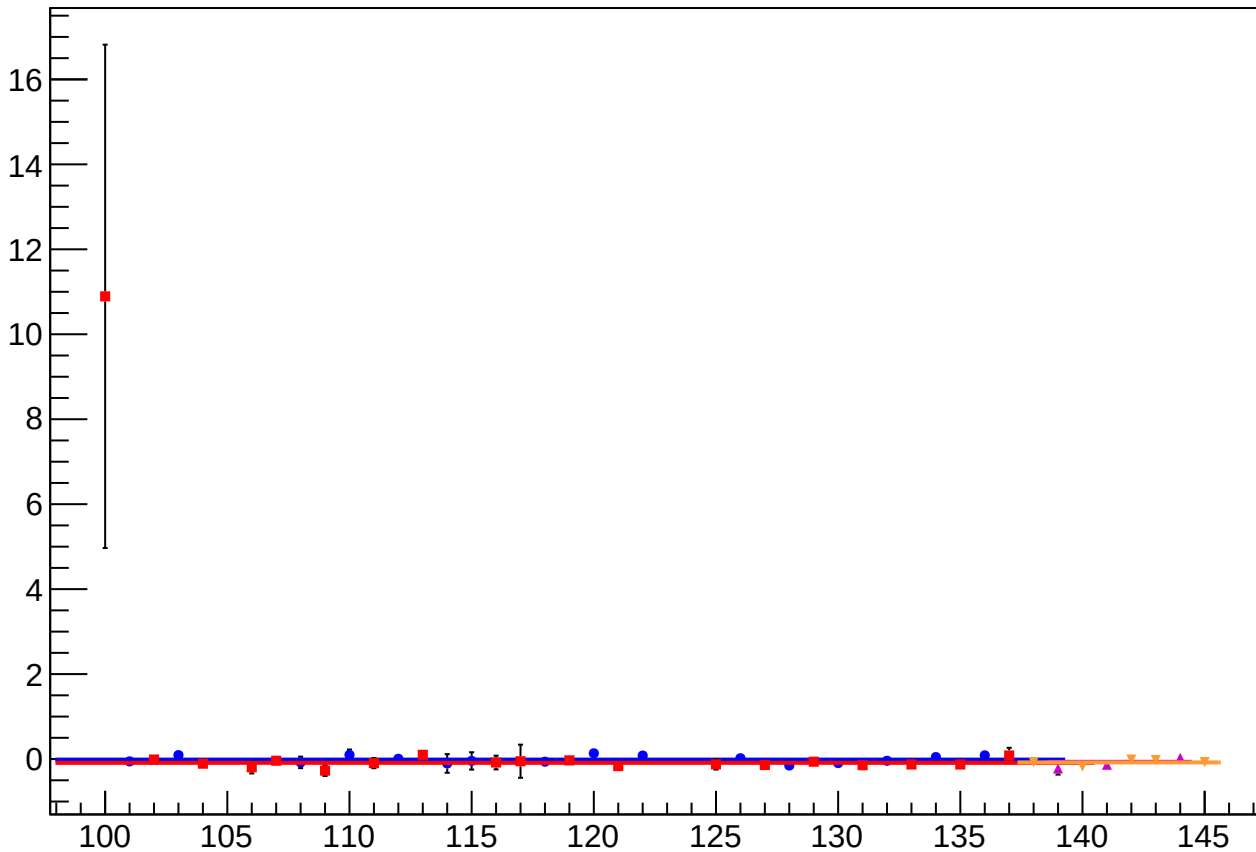
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.007 $\pm$ 0.050 χ^2 /NDF: 0.4/2

-0.020 $\pm$ 0.042 χ^2 /NDF: 5.8/4

-0.007 $\pm$ 0.050 χ^2 /NDF: 0.4/2

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.079 ± 0.034 χ^2/NDF : 3.4/4

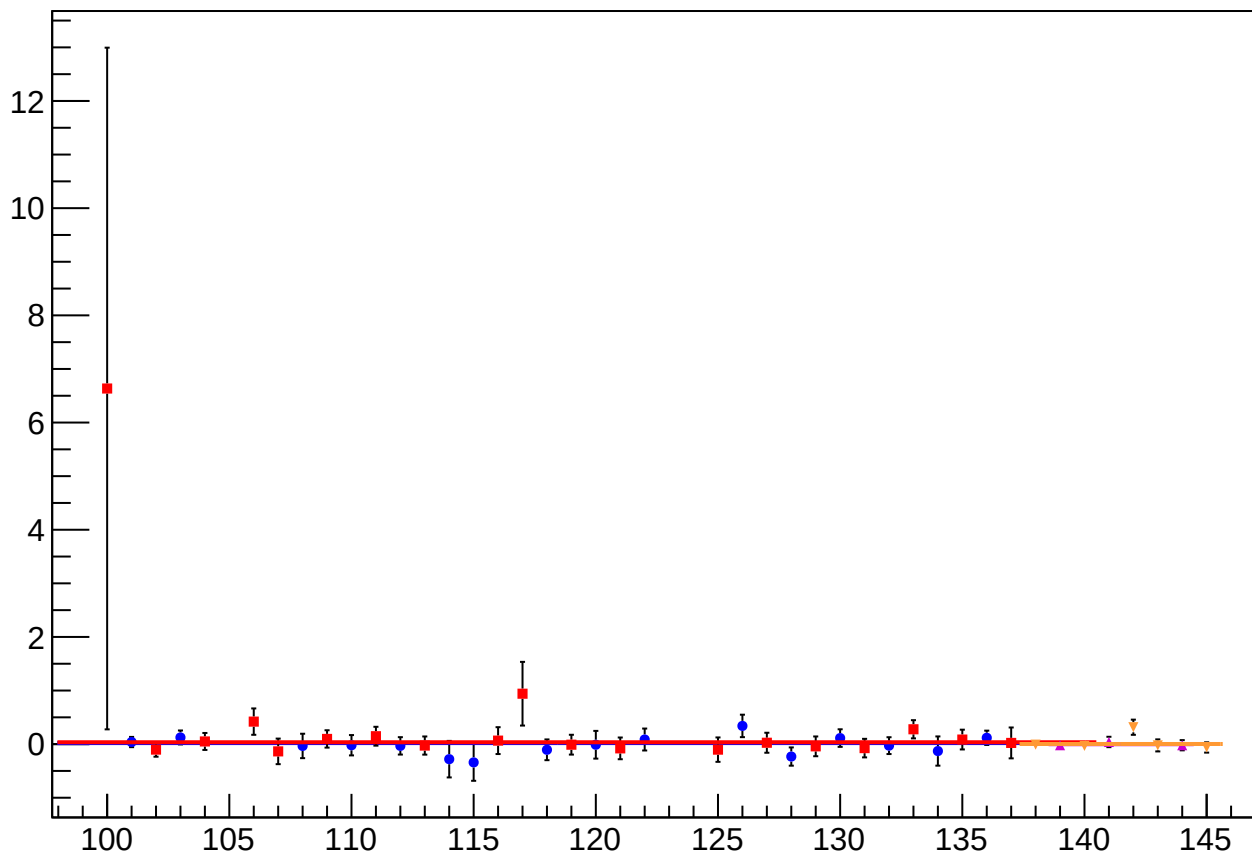
Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/18

Left In: -0.065 ± 0.044 χ^2/NDF : 4.4/2

-0.034 ± 0.019 χ^2/NDF : 17.6/20

-0.083 ± 0.022 χ^2/NDF : 17.6/21

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020+/-0.043 χ^2/NDF : 9.1/15

Left Out: 0.003+/-0.045 χ^2/NDF : 5.6/4

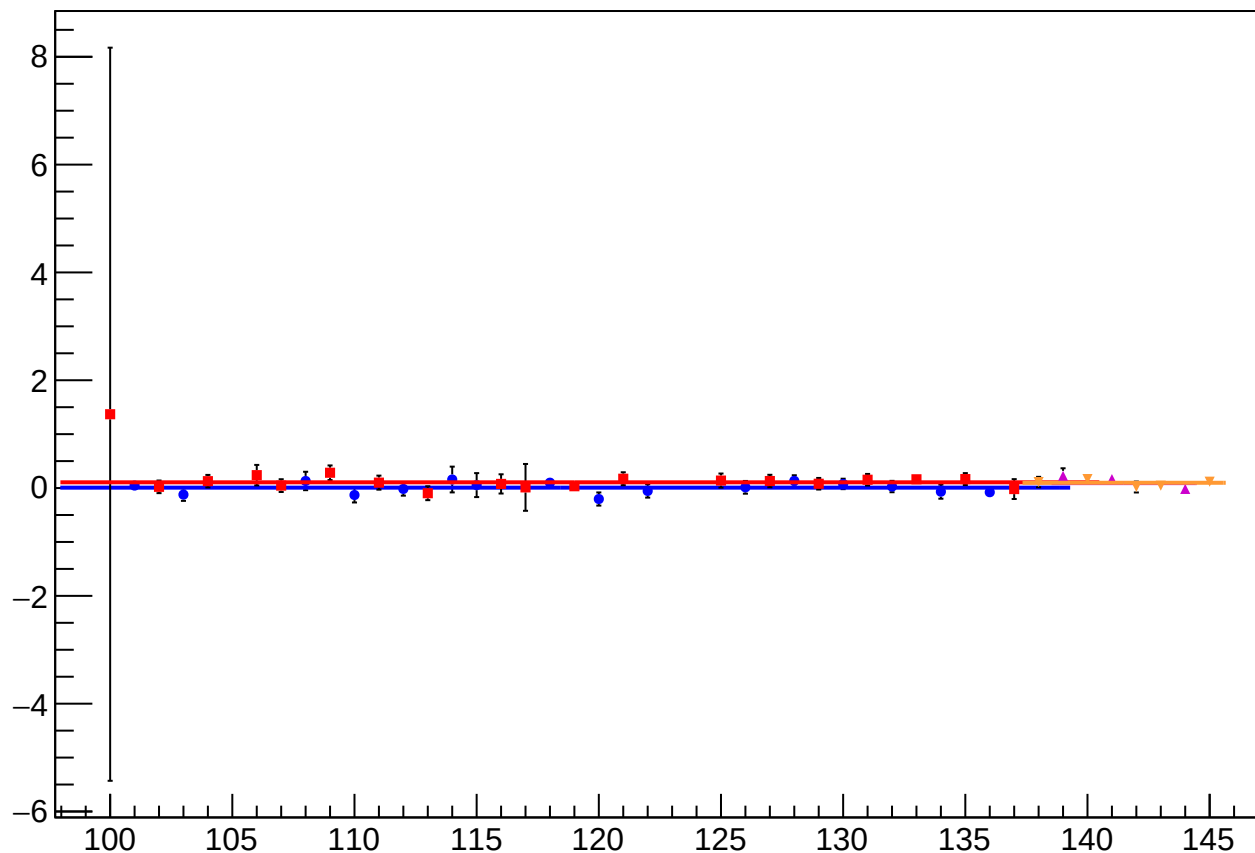
Right Out: 0.035+/-0.045 χ^2/NDF : 11.6/18

Left In: -0.002+/-0.054 χ^2/NDF : 0.3/2

0.012+/-0.031 χ^2/NDF : 14.7/20

0.020+/-0.035 χ^2/NDF : 12.1/21

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.098 $\pm$ 0.040 χ^2 /NDF: 1.8/4

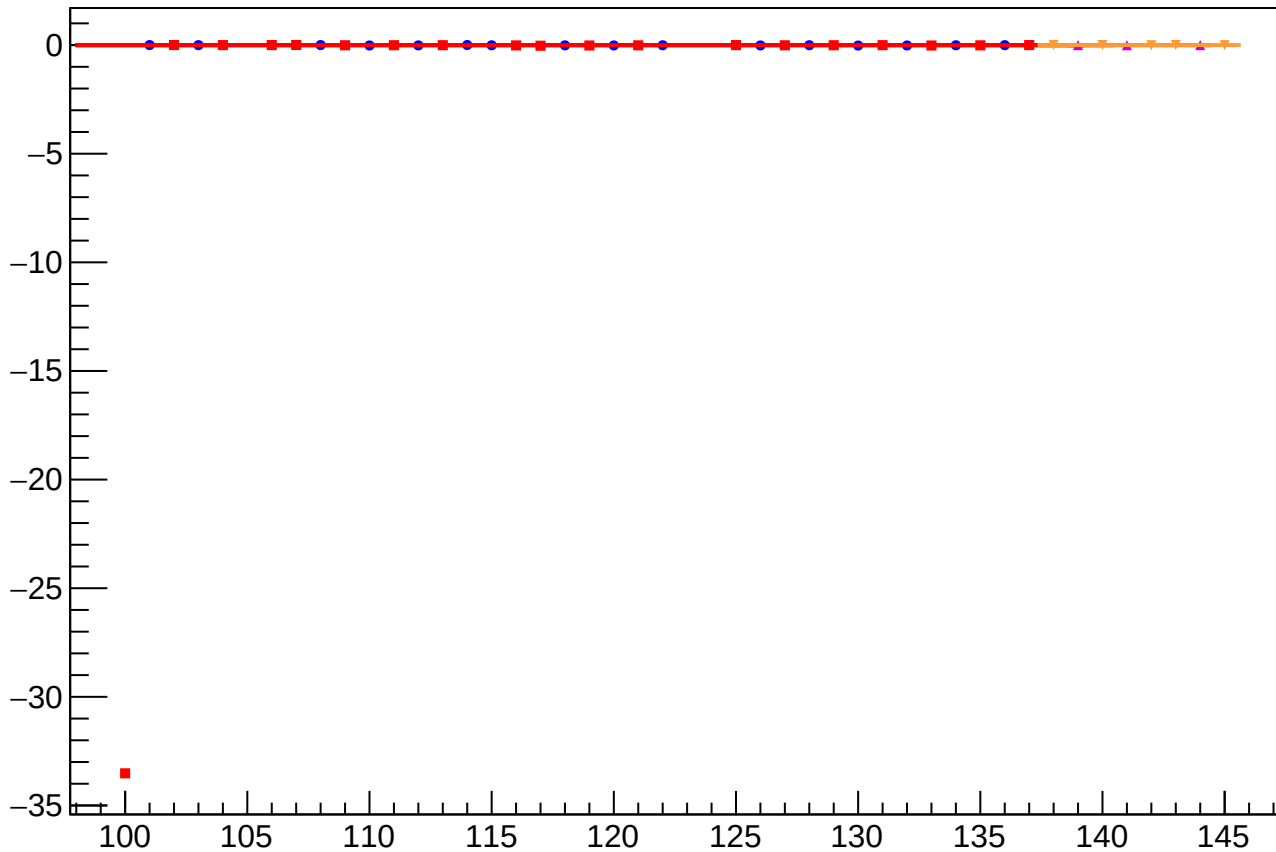
Right Out: 0.106 $\pm$ 0.029 χ^2 /NDF: 8.2/18

Left In: 0.092 $\pm$ 0.051 χ^2 /NDF: 3.8/2

0.036 $\pm$ 0.022 χ^2 /NDF: 16.5/20

0.103 $\pm$ 0.025 χ^2 /NDF: 12.1/21

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.002 χ^2/NDF : 7.2/4

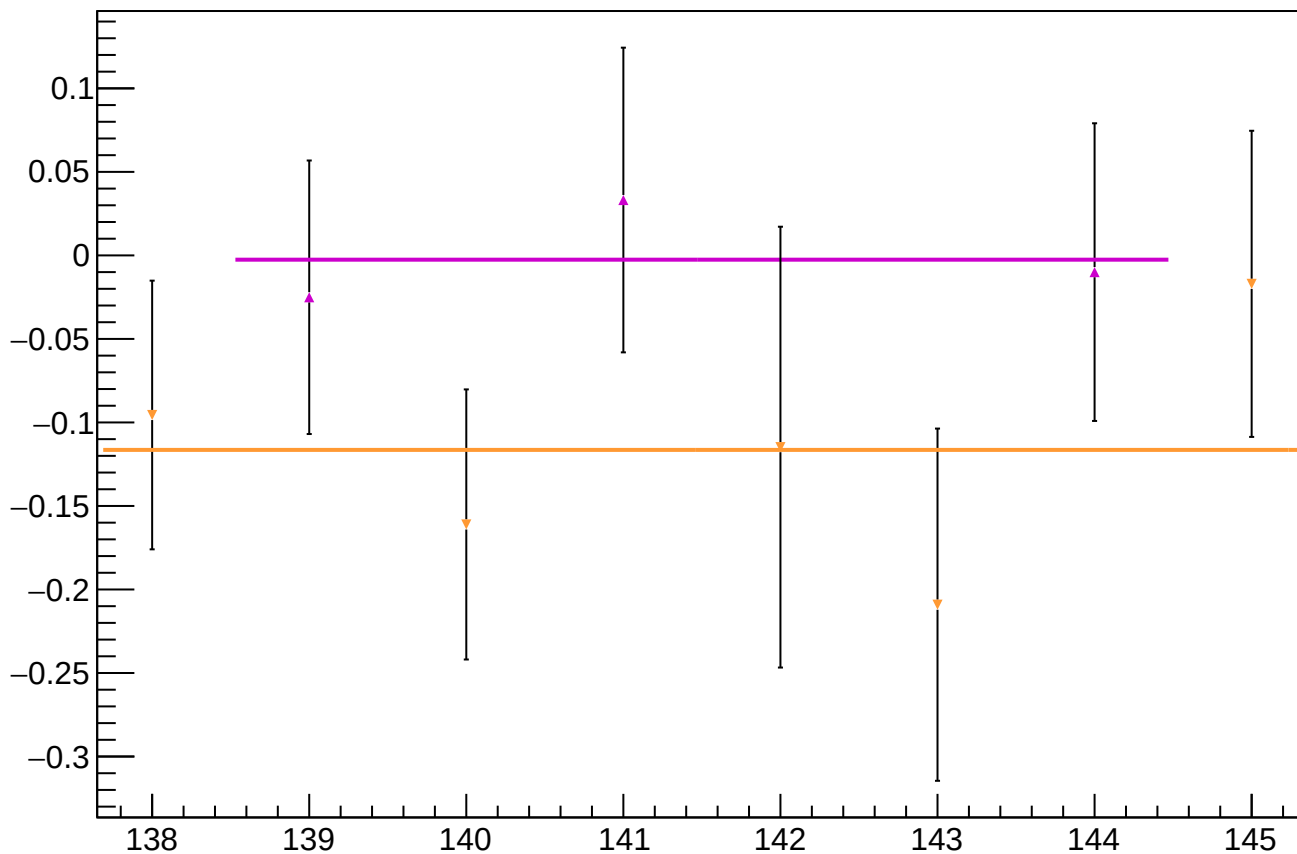
Right Out: -0.006 ± 0.001 χ^2/NDF : 26509.5/18

Left In: -0.003 ± 0.002 χ^2/NDF : 1.4/2

-0.003 ± 0.001 χ^2/NDF : 35.7/20

-0.005 ± 0.001 χ^2/NDF : 26512.0/21

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.116 $\pm$ 0.042 χ^2 /NDF: 2.3/4

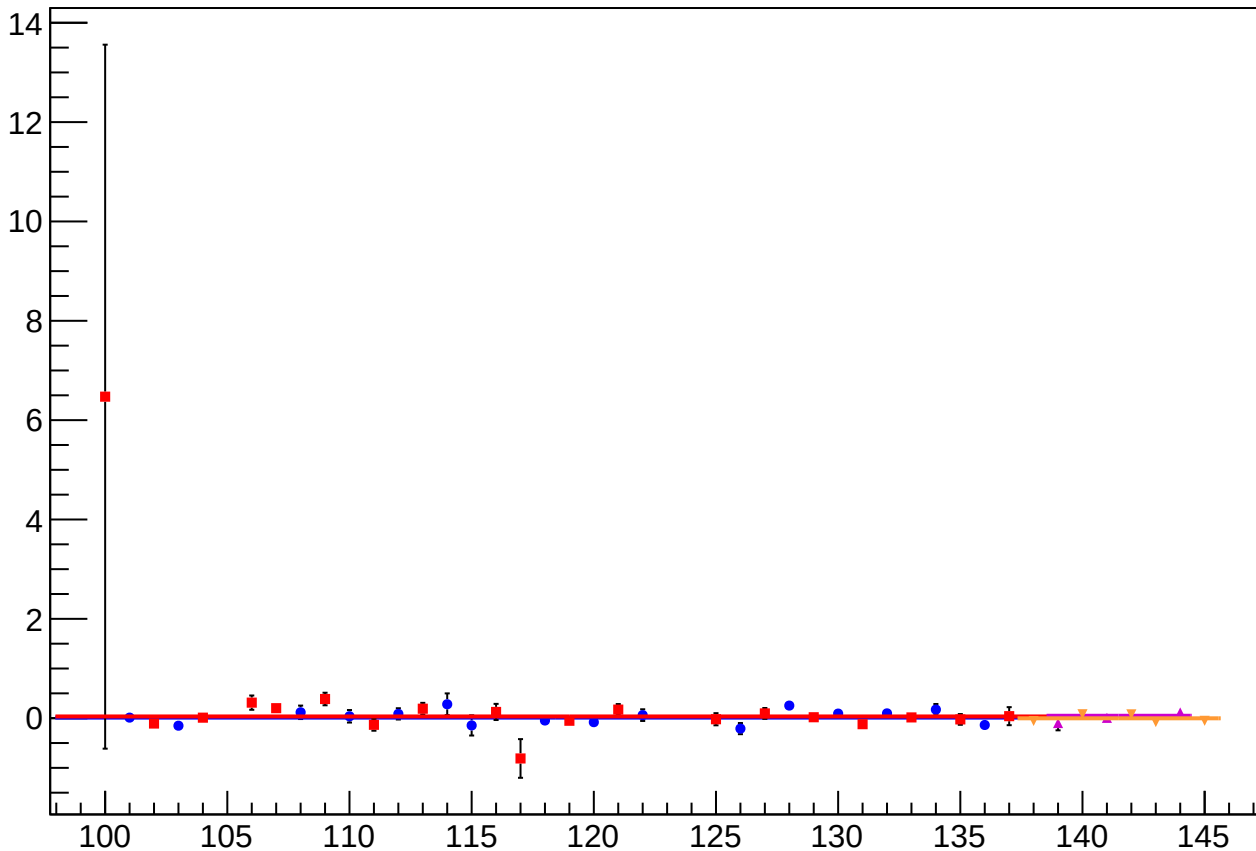
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.003 $\pm$ 0.050 χ^2 /NDF: 0.2/2

-0.116 $\pm$ 0.042 χ^2 /NDF: 2.3/4

-0.003 $\pm$ 0.050 χ^2 /NDF: 0.2/2

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.002 ± 0.034 χ^2/NDF : 4.3/4

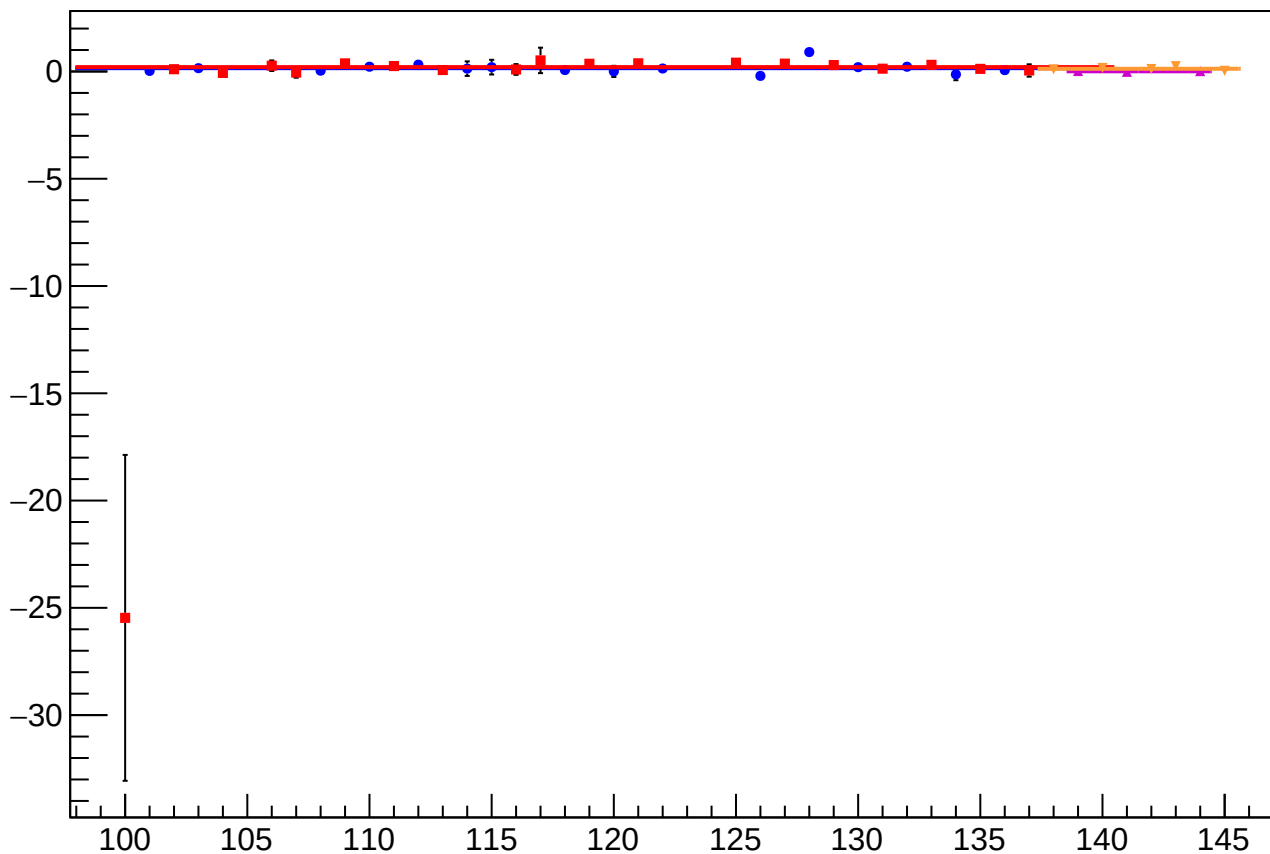
Right Out: 0.035 ± 0.025 χ^2/NDF : 33.2/18

Left In: 0.049 ± 0.044 χ^2/NDF : 2.5/2

0.008 ± 0.019 χ^2/NDF : 29.4/20

0.038 ± 0.021 χ^2/NDF : 35.8/21

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.043 χ^2/NDF : 27.9/15

Left Out: 0.126+/-0.045 χ^2/NDF : 2.4/4

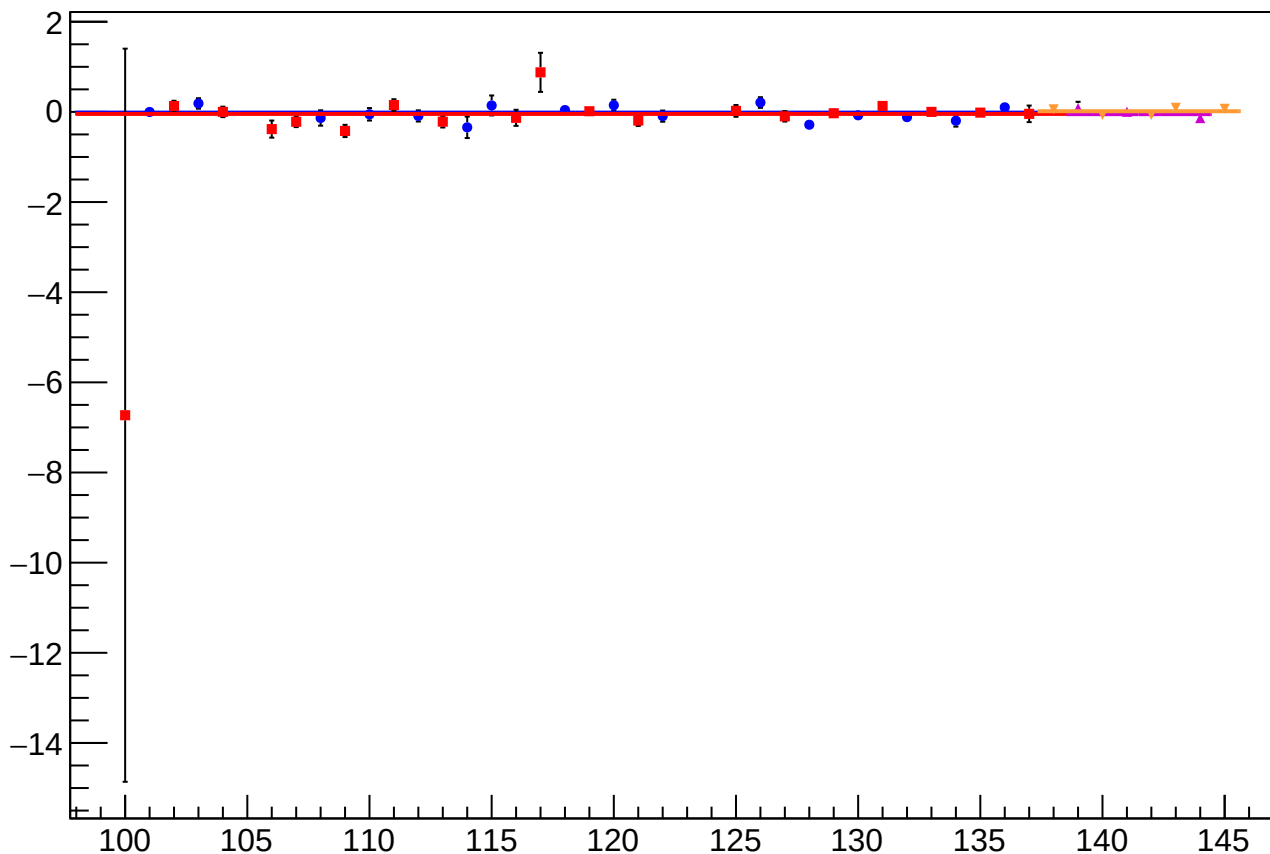
Right Out: 0.203+/-0.045 χ^2/NDF : 22.9/18

Left In: 0.009+/-0.054 χ^2/NDF : 0.1/2

0.141+/-0.031 χ^2/NDF : 30.5/20

0.123+/-0.035 χ^2/NDF : 30.6/21

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.015 ± 0.040 χ^2/NDF : 3.1/4

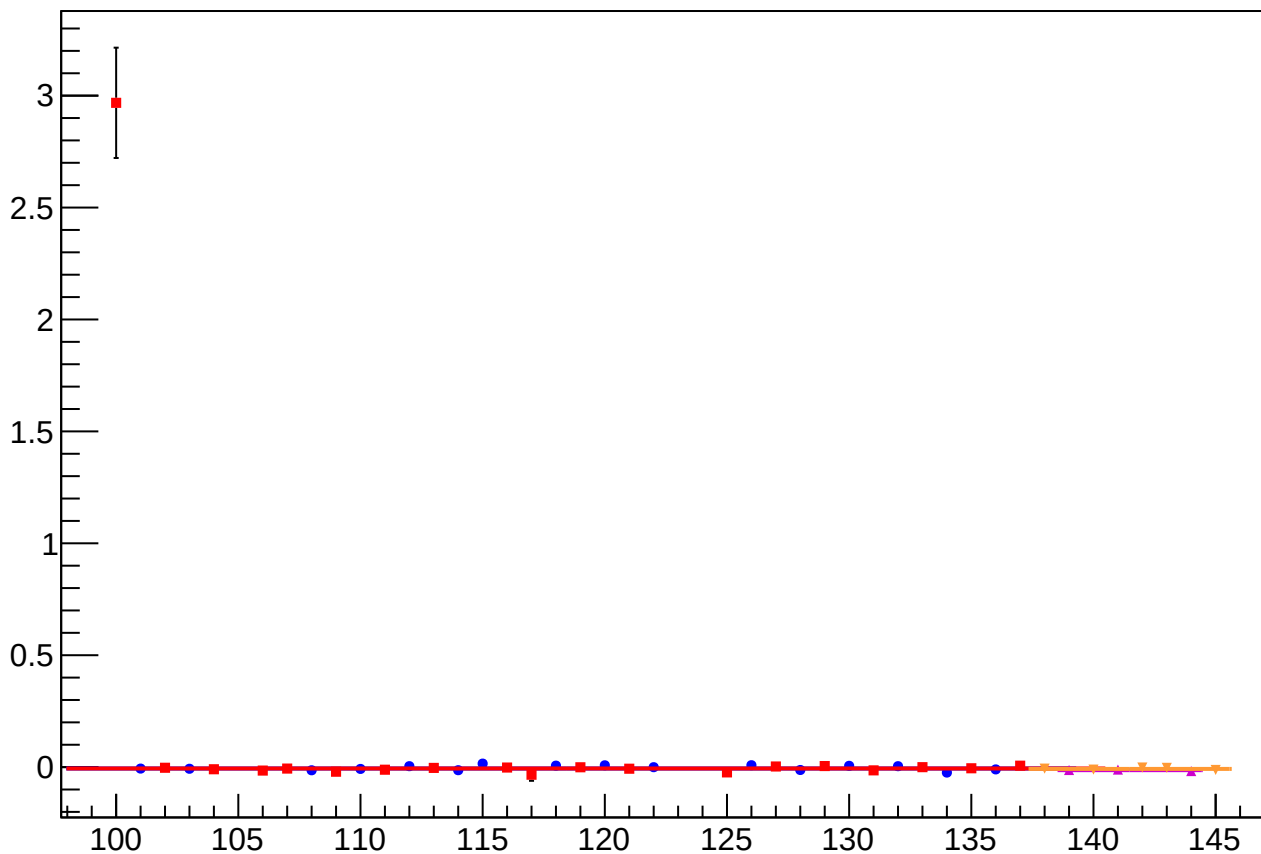
Right Out: -0.044 ± 0.029 χ^2/NDF : 30.5/18

Left In: -0.050 ± 0.051 χ^2/NDF : 2.7/2

-0.006 ± 0.022 χ^2/NDF : 27.8/20

-0.046 ± 0.025 χ^2/NDF : 33.2/21

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.008 ± 0.002 χ^2/NDF : 4.7/4

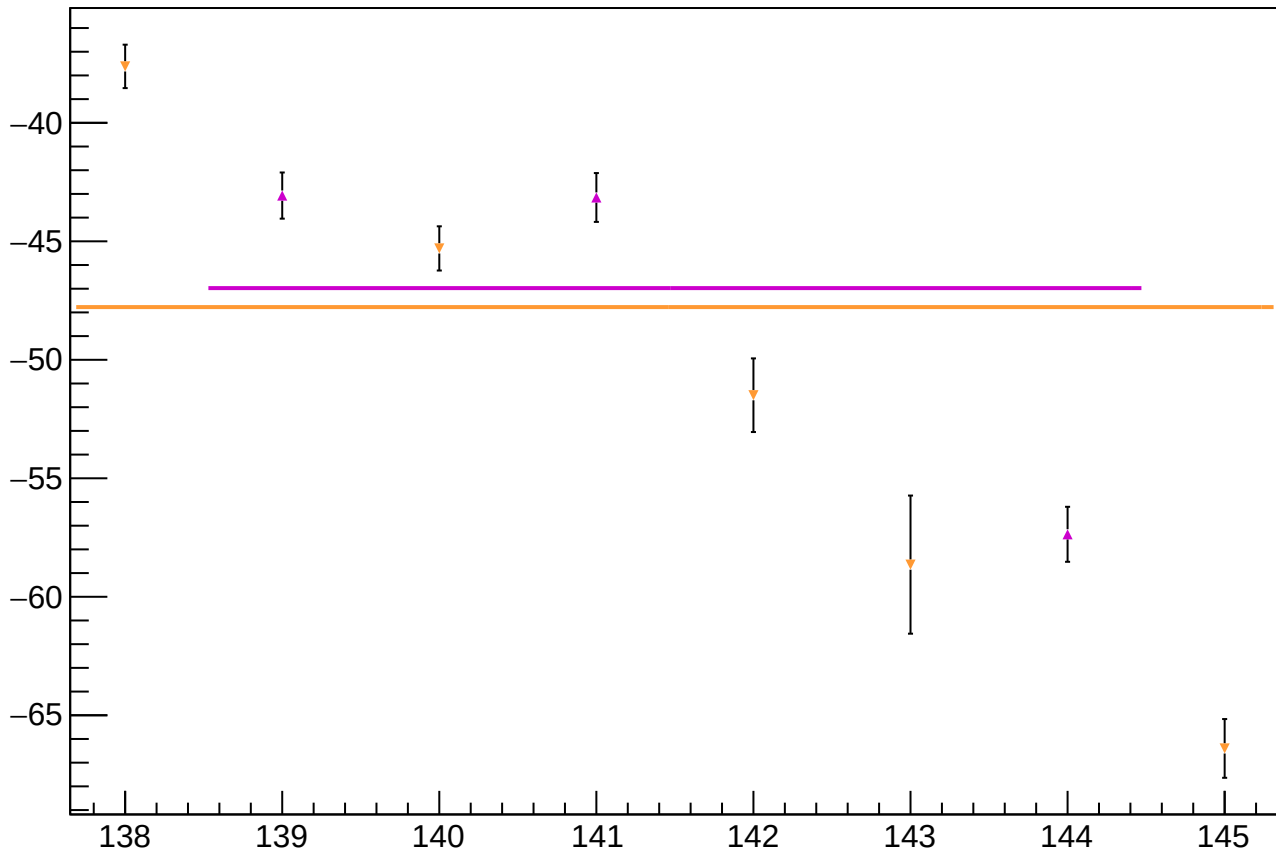
Right Out: -0.006 ± 0.001 χ^2/NDF : 167.0/18

Left In: -0.014 ± 0.002 χ^2/NDF : 1.4/2

-0.007 ± 0.001 χ^2/NDF : 32.6/20

-0.009 ± 0.001 χ^2/NDF : 176.9/21

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -47.776+/-0.533 χ^2/NDF : 375.2/4

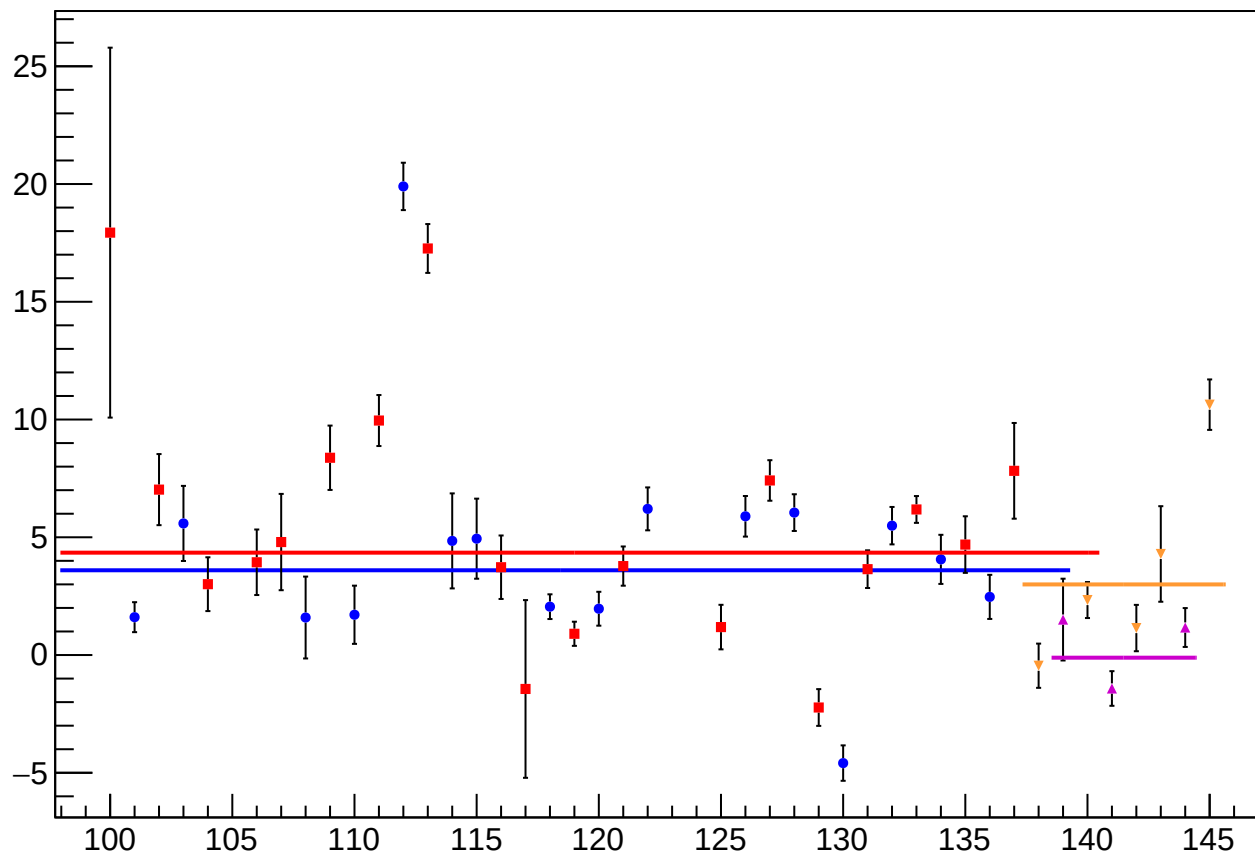
-47.776+/-0.533 χ^2/NDF : 375.2/4

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

-46.974+/-0.604 χ^2/NDF : 110.0/2

Left In: -46.974+/-0.604 χ^2/NDF : 110.0/2

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 2.998 ± 0.448 χ^2/NDF : 69.0/4

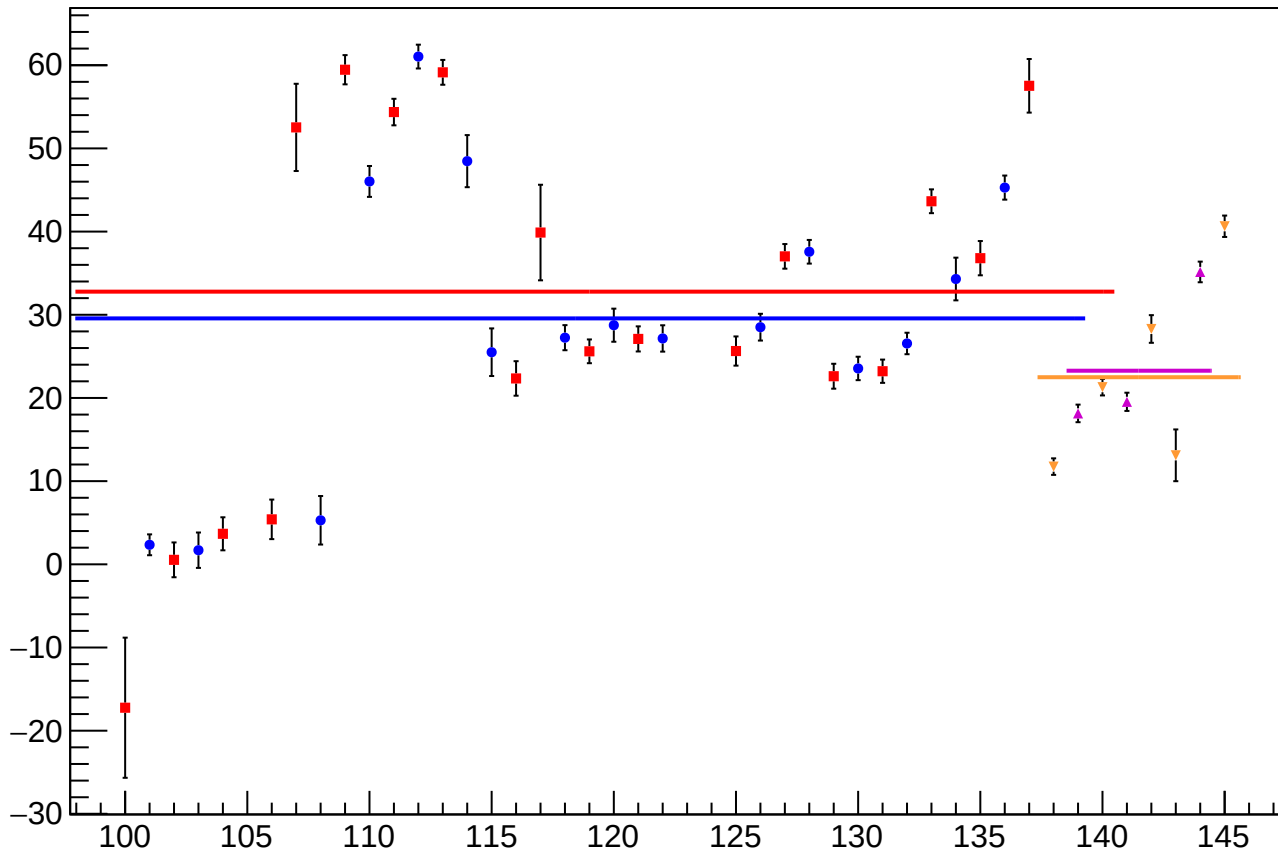
Right Out: 4.347 ± 0.224 χ^2/NDF : 355.4/18

Left In: -0.113 ± 0.524 χ^2/NDF : 6.4/2

3.482 ± 0.198 χ^2/NDF : 513.9/20

3.655 ± 0.206 χ^2/NDF : 423.2/21

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 $\pm$ 0.420 χ^2/NDF : 1494.6/15

Left Out: 22.492 $\pm$ 0.568 χ^2/NDF : 338.7/4

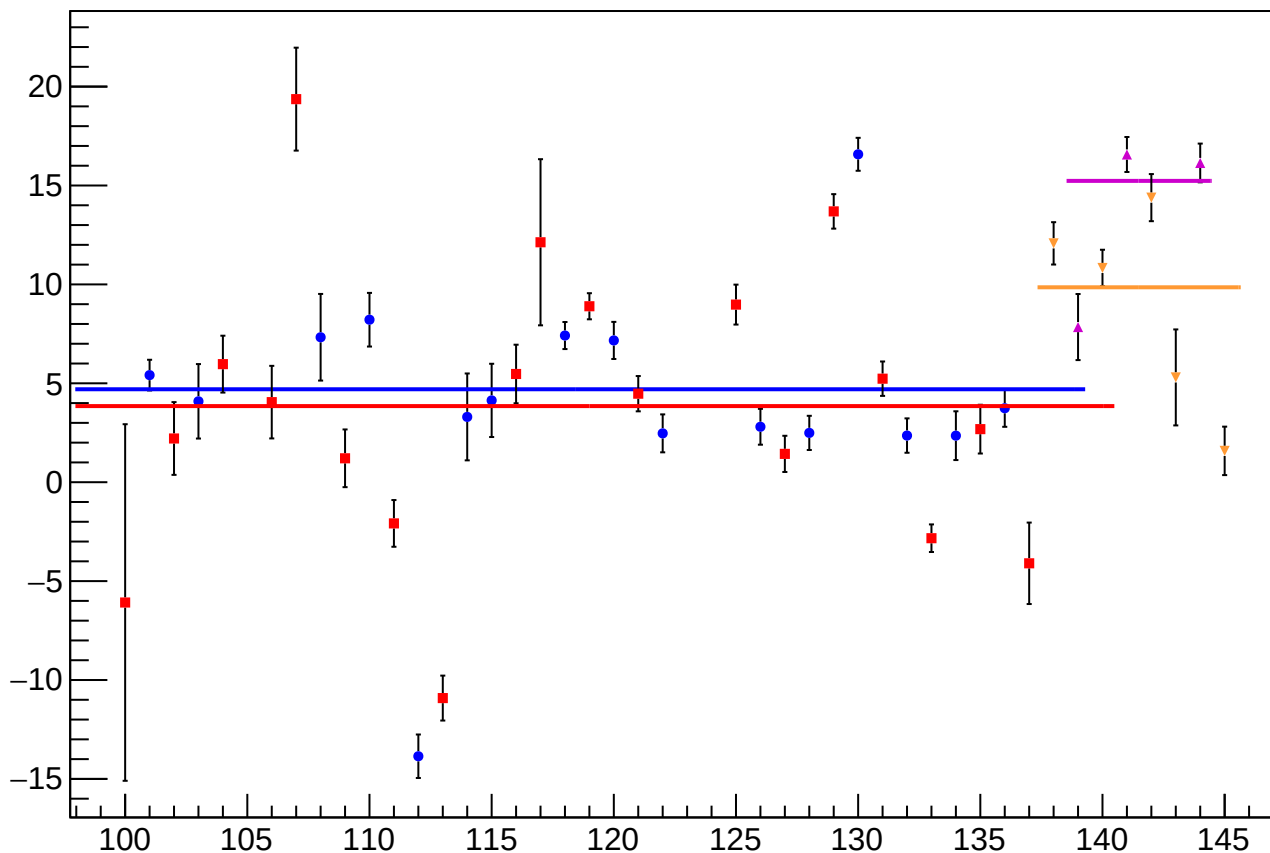
Right Out: 32.780 $\pm$ 0.422 χ^2/NDF : 1664.8/18

Left In: 23.275 $\pm$ 0.648 χ^2/NDF : 126.8/2

27.070 $\pm$ 0.338 χ^2/NDF : 1933.5/20

29.956 $\pm$ 0.353 χ^2/NDF : 1942.6/21

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 $\pm$ 0.254 χ^2 /NDF: 548.9/15

Left Out: 9.854 $\pm$ 0.528 χ^2 /NDF: 69.0/4

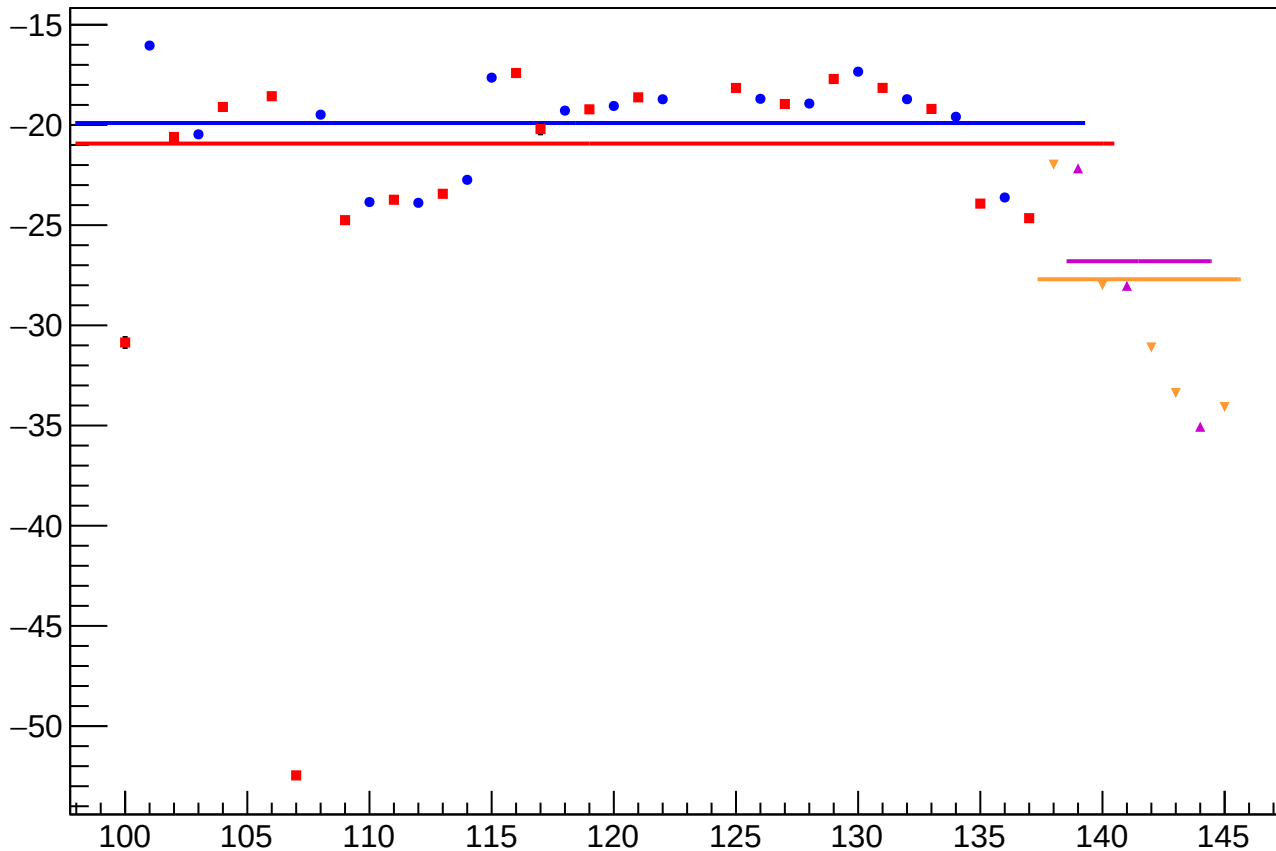
Right Out: 3.848 $\pm$ 0.258 χ^2 /NDF: 571.5/18

Left In: 15.234 $\pm$ 0.611 χ^2 /NDF: 22.7/2

5.669 $\pm$ 0.229 χ^2 /NDF: 695.5/20

5.571 $\pm$ 0.238 χ^2 /NDF: 888.9/21

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 $\pm$ 0.016 χ^2/NDF : 26054.0/15

Left Out: -27.702 $\pm$ 0.023 χ^2/NDF : 41811.7/4

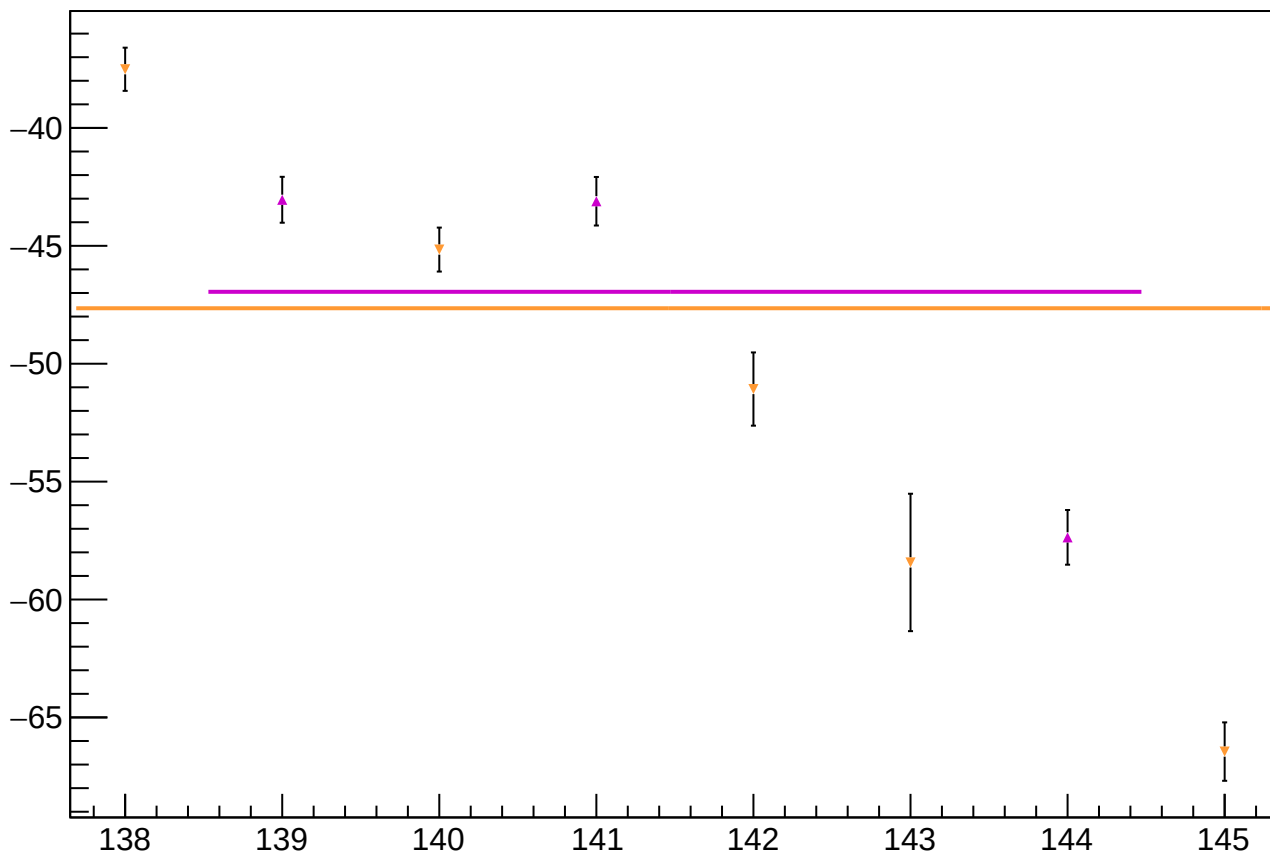
Right Out: -20.928 $\pm$ 0.016 χ^2/NDF : 94015.9/18

Left In: -26.800 $\pm$ 0.025 χ^2/NDF : 39589.3/2

-22.343 $\pm$ 0.013 χ^2/NDF : 145608.4/20

-22.575 $\pm$ 0.013 χ^2/NDF : 172872.8/21

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -47.648+/-0.533 χ^2/NDF : 378.5/4

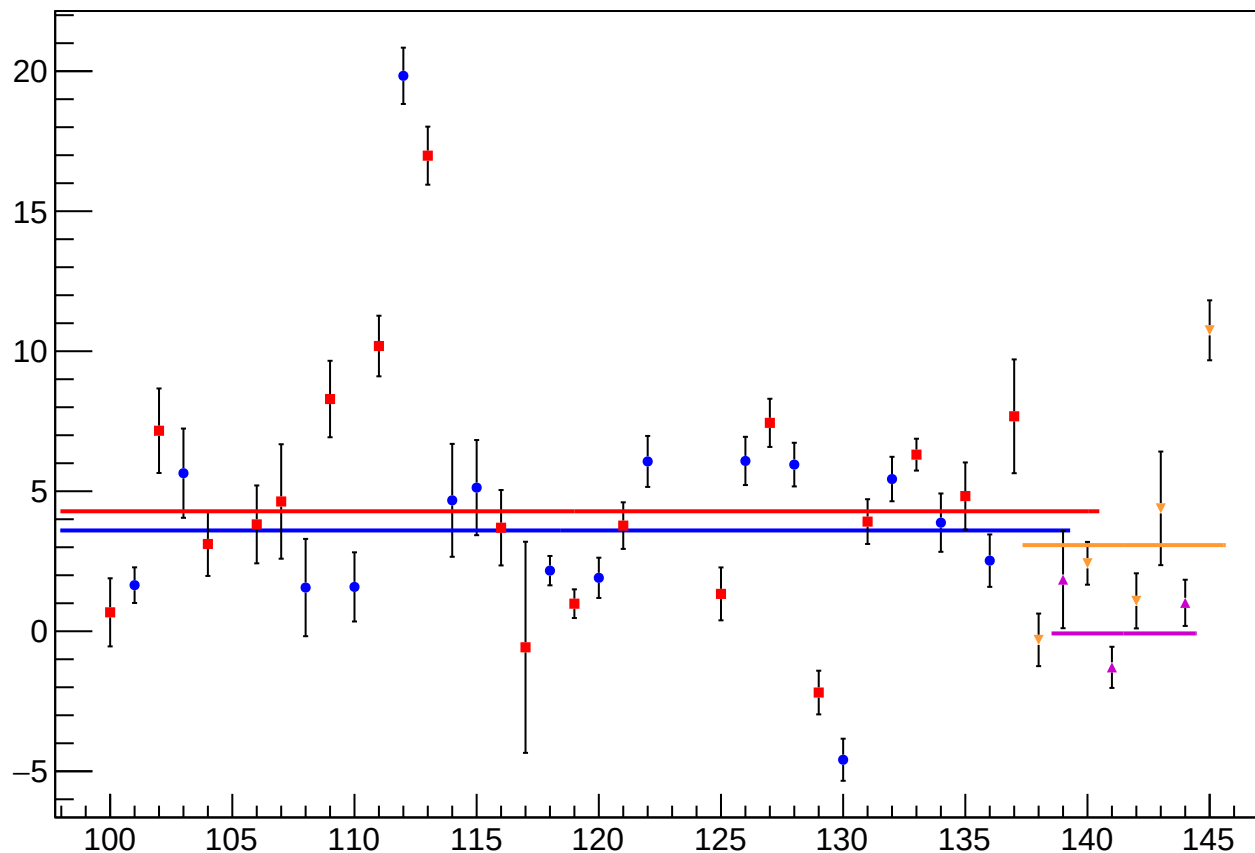
-47.648+/-0.533 χ^2/NDF : 378.5/4

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

-46.950+/-0.604 χ^2/NDF : 110.6/2

Left In: -46.950+/-0.604 χ^2/NDF : 110.6/2

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 3.076 ± 0.447 χ^2/NDF : 69.6/4

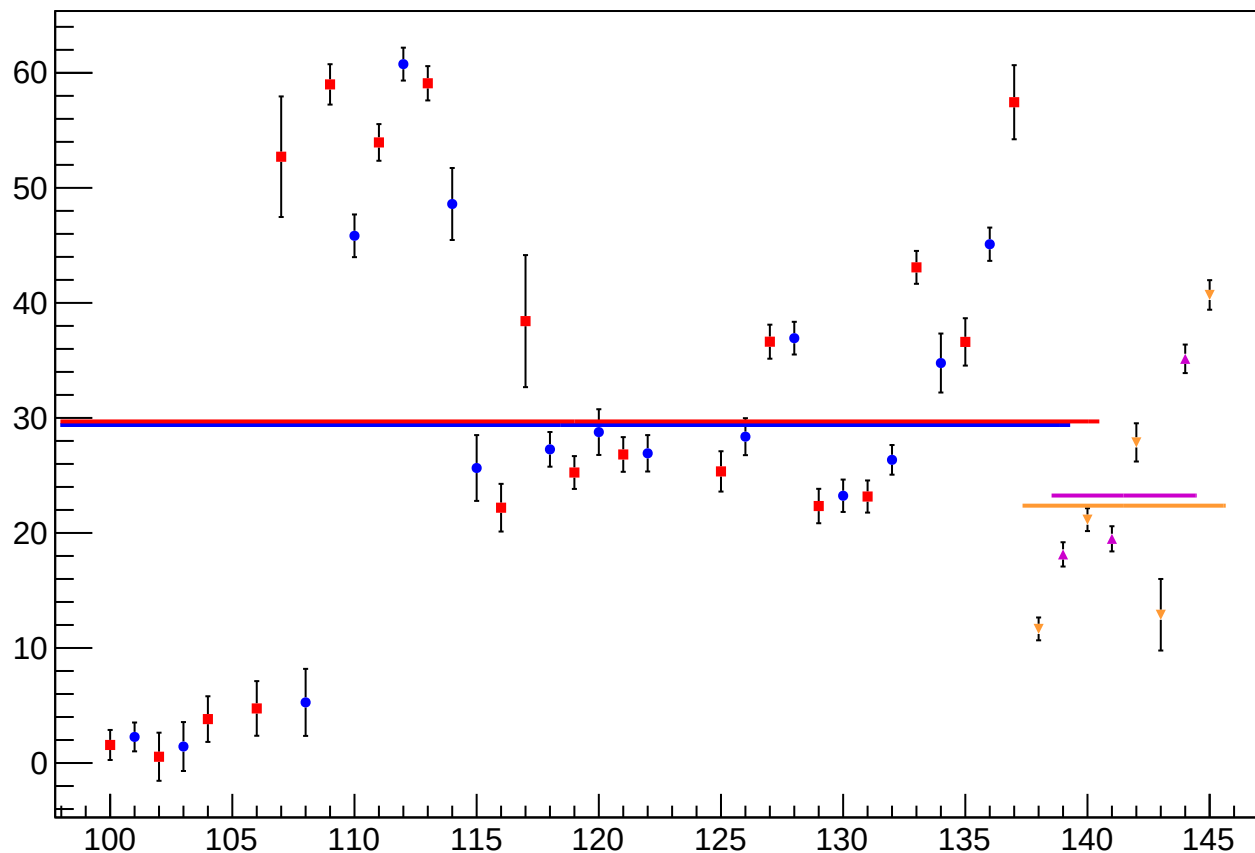
Right Out: 4.284 ± 0.221 χ^2/NDF : 353.8/18

Left In: -0.078 ± 0.523 χ^2/NDF : 5.7/2

3.497 ± 0.198 χ^2/NDF : 510.9/20

3.626 ± 0.203 χ^2/NDF : 418.5/21

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2/NDF : 1488.6/15

Left Out: 22.373 $\pm$ 0.568 χ^2/NDF : 341.2/4

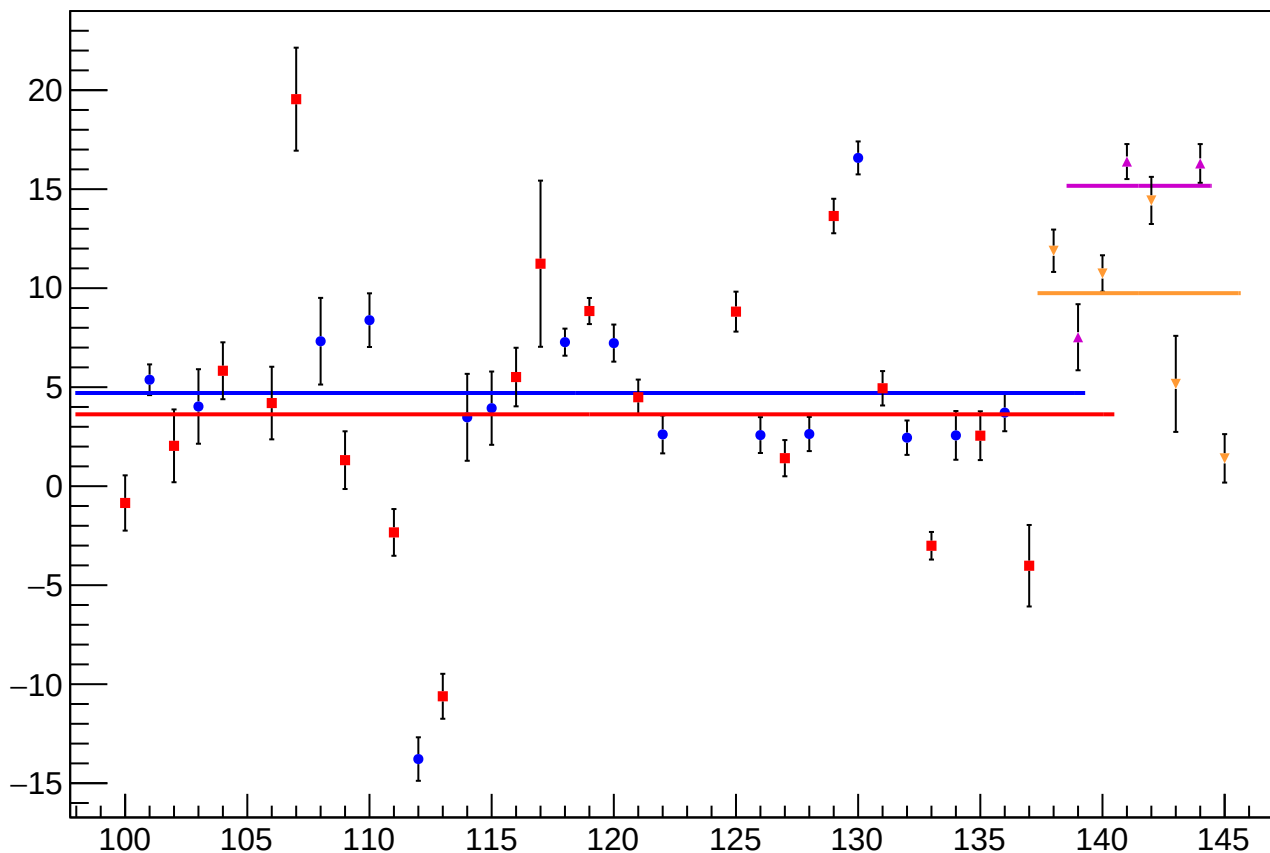
Right Out: 29.695 $\pm$ 0.401 χ^2/NDF : 2133.3/18

Left In: 23.253 $\pm$ 0.648 χ^2/NDF : 127.2/2

26.914 $\pm$ 0.337 χ^2/NDF : 1928.5/20

27.909 $\pm$ 0.341 χ^2/NDF : 2331.9/21

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 $\pm$ 0.254 χ^2 /NDF: 545.2/15

Left Out: 9.748 $\pm$ 0.527 χ^2 /NDF: 70.7/4

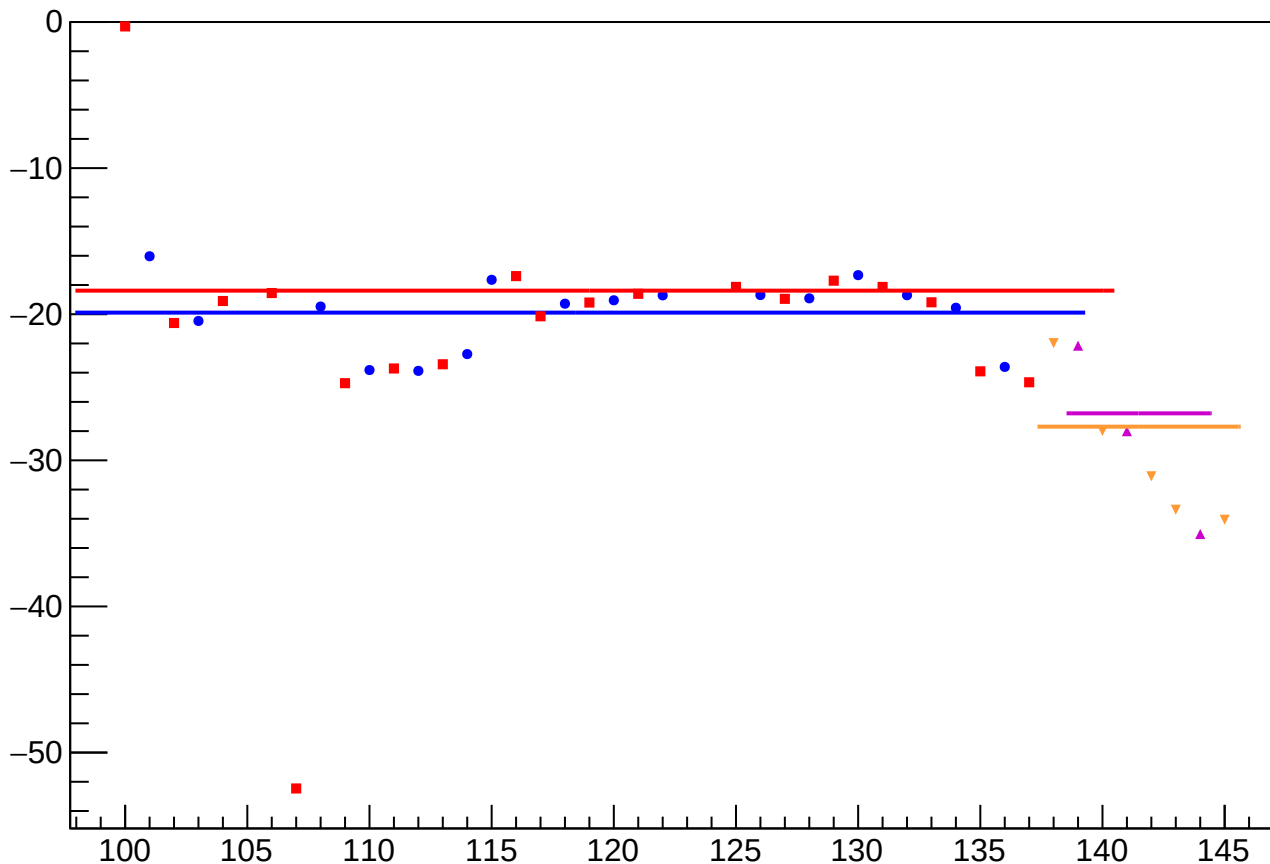
Right Out: 3.629 $\pm$ 0.254 χ^2 /NDF: 576.7/18

Left In: 15.170 $\pm$ 0.611 χ^2 /NDF: 24.2/2

5.655 $\pm$ 0.229 χ^2 /NDF: 690.1/20

5.327 $\pm$ 0.234 χ^2 /NDF: 905.7/21

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 χ^2/NDF : 26044.4/15

Left Out: -27.695 ± 0.023 χ^2/NDF : 41779.3/4

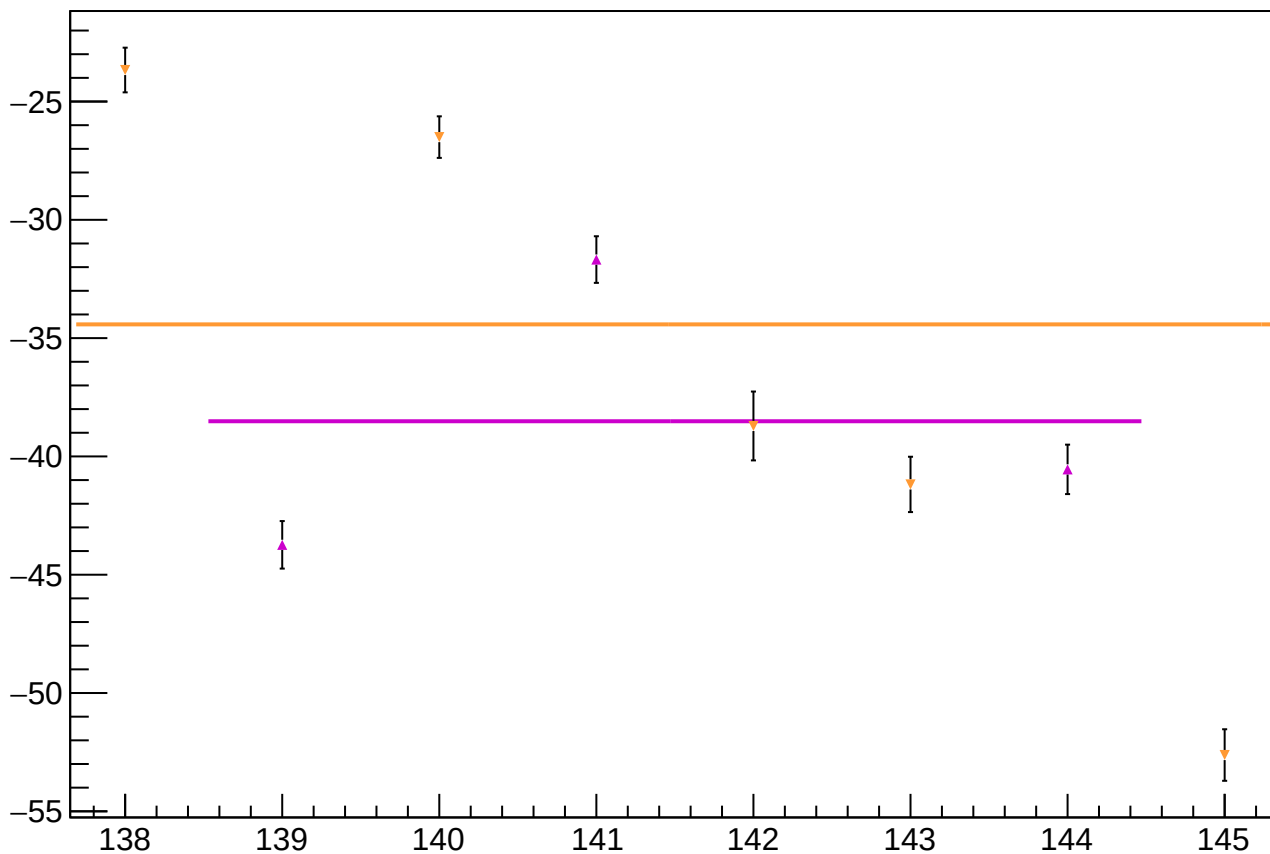
Right Out: -18.386 ± 0.015 χ^2/NDF : 301044.3/18

Left In: -26.783 ± 0.025 χ^2/NDF : 39595.1/2

-22.332 ± 0.013 χ^2/NDF : 145753.9/20

-20.533 ± 0.013 χ^2/NDF : 423809.3/21

reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -34.419+/-0.473 χ^2/NDF : 532.2/4

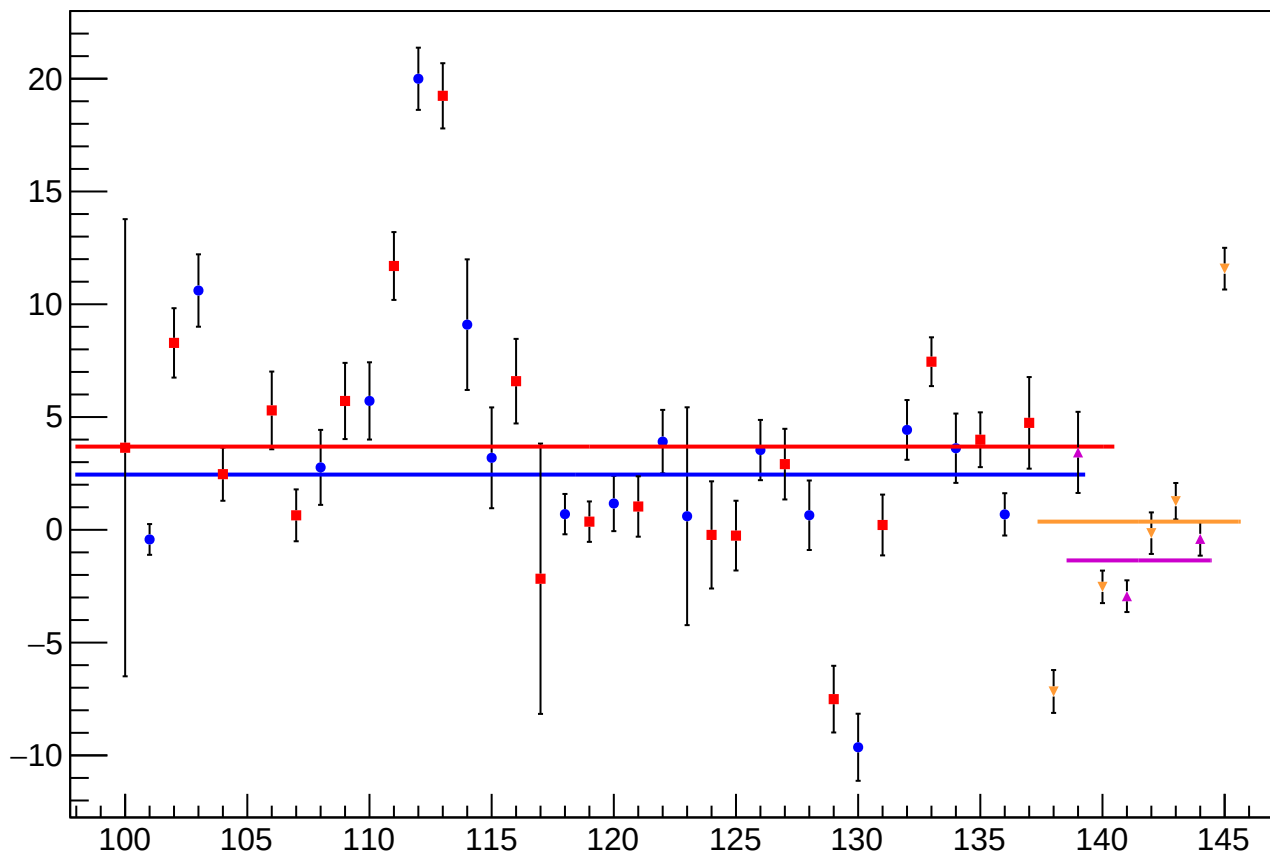
-34.419+/-0.473 χ^2/NDF : 532.2/4

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

-38.513+/-0.583 χ^2/NDF : 78.9/2

Left In: -38.513+/-0.583 χ^2/NDF : 78.9/2

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 $\chi^2/\text{NDF}: 295.3/16$

Left Out: 0.364 ± 0.380 $\chi^2/\text{NDF}: 227.7/4$

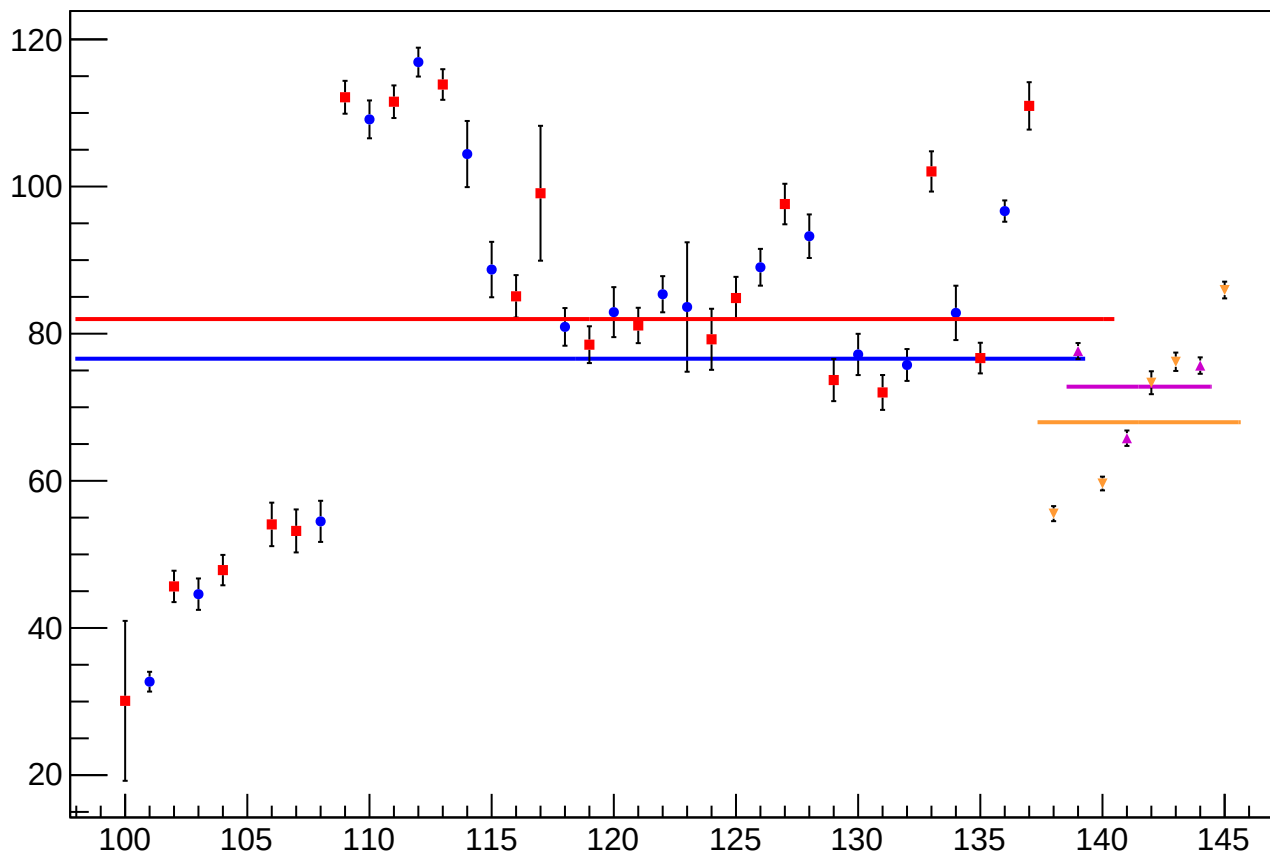
Right Out: 3.690 ± 0.326 $\chi^2/\text{NDF}: 270.4/19$

Left In: -1.356 ± 0.492 $\chi^2/\text{NDF}: 13.8/2$

1.602 ± 0.242 $\chi^2/\text{NDF}: 540.8/21$

2.150 ± 0.272 $\chi^2/\text{NDF}: 357.4/22$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 67.966 $\pm$ 0.505 χ^2 /NDF: 531.4/4

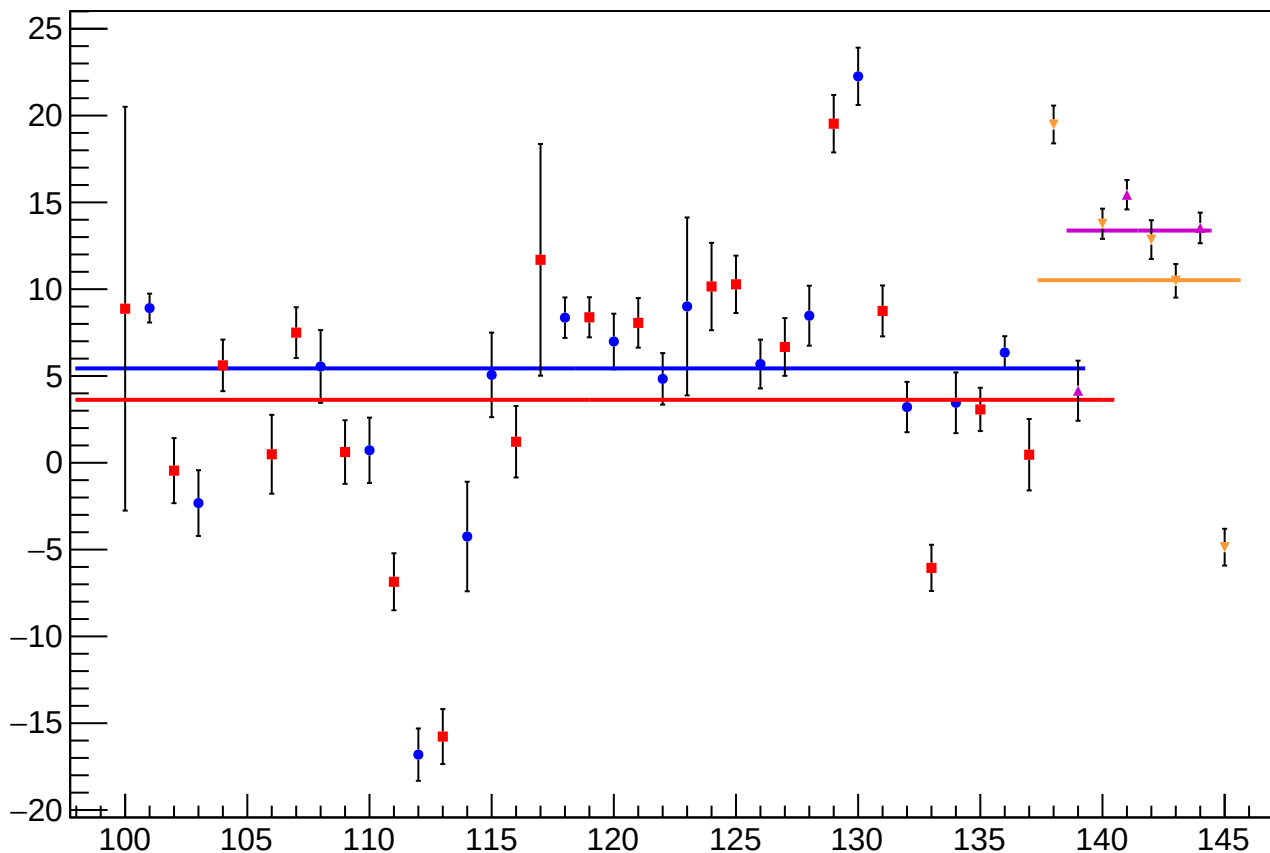
Right Out: 81.987 $\pm$ 0.591 χ^2 /NDF: 1574.2/19

Left In: 72.797 $\pm$ 0.625 χ^2 /NDF: 71.1/2

71.715 $\pm$ 0.380 χ^2 /NDF: 2913.5/21

77.654 $\pm$ 0.430 χ^2 /NDF: 1759.4/22

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 $\pm$ 0.360 χ^2 /NDF: 387.2/16

Left Out: 10.519 $\pm$ 0.450 χ^2 /NDF: 297.4/4

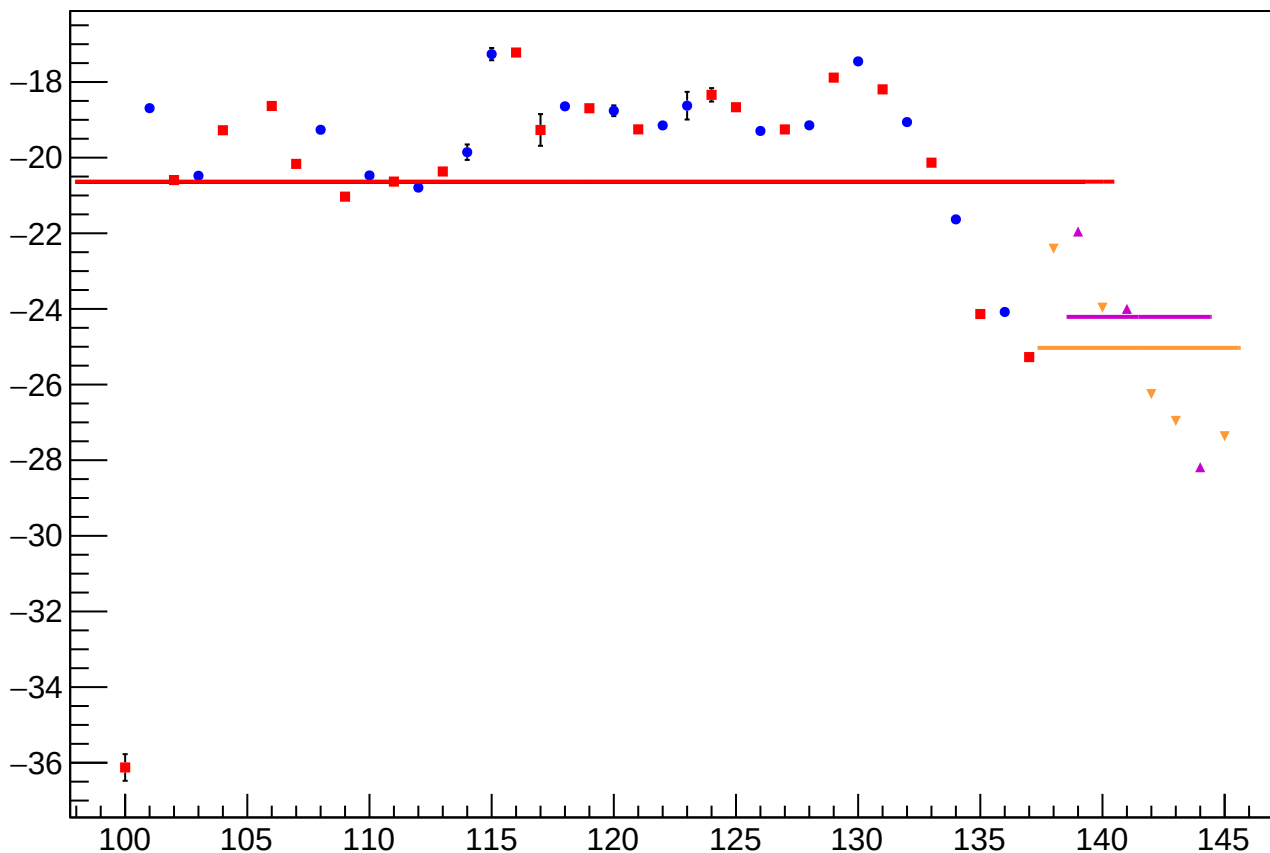
Right Out: 3.628 $\pm$ 0.374 χ^2 /NDF: 424.8/19

Left In: 13.376 $\pm$ 0.576 χ^2 /NDF: 34.4/2

7.420 $\pm$ 0.281 χ^2 /NDF: 762.3/21

6.524 $\pm$ 0.314 χ^2 /NDF: 660.6/22

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -25.030 ± 0.021 χ^2/NDF : 9445.7/4

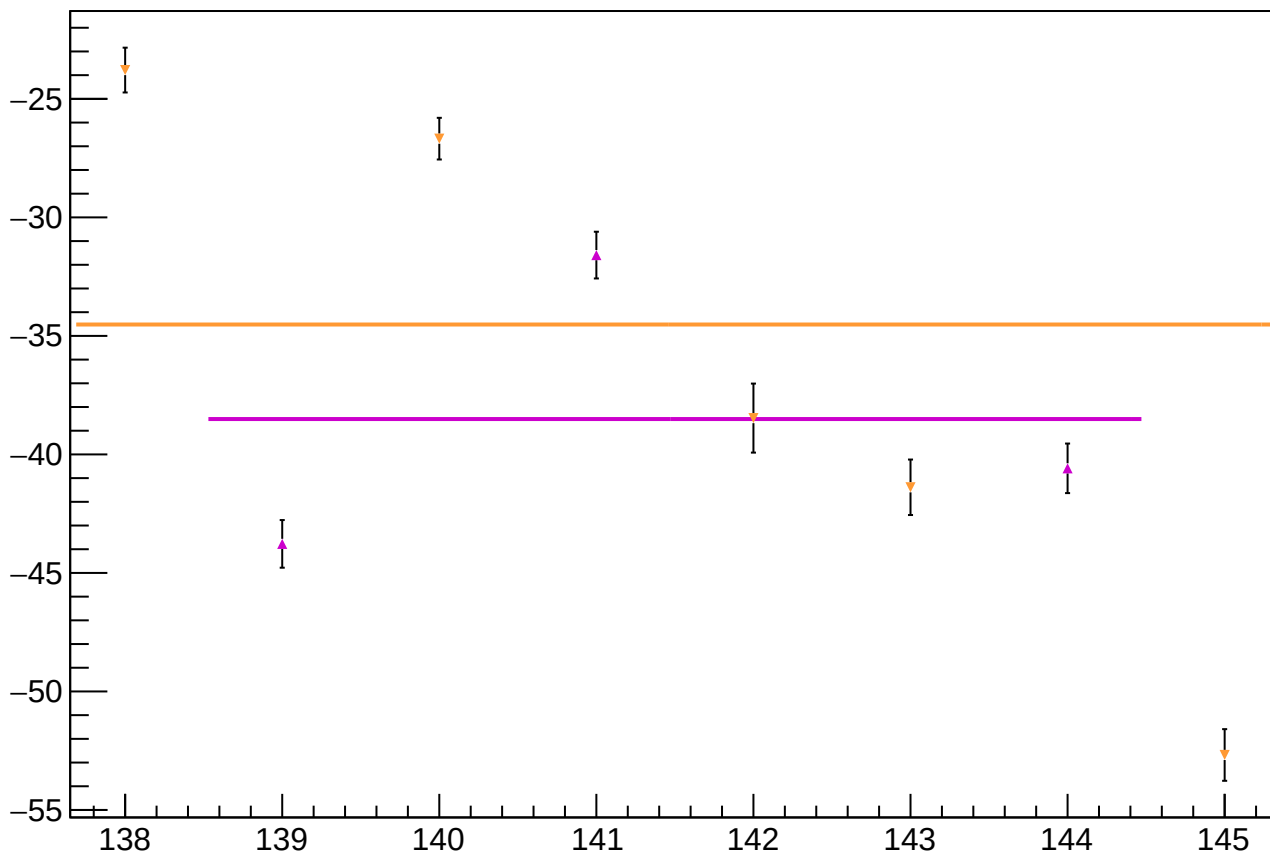
Right Out: -20.635 ± 0.019 χ^2/NDF : 13794.0/19

Left In: -24.210 ± 0.025 χ^2/NDF : 10126.7/2

-22.698 ± 0.014 χ^2/NDF : 46012.9/21

-22.013 ± 0.015 χ^2/NDF : 36961.4/22

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -34.520+/-0.474 χ^2/NDF : 528.1/4

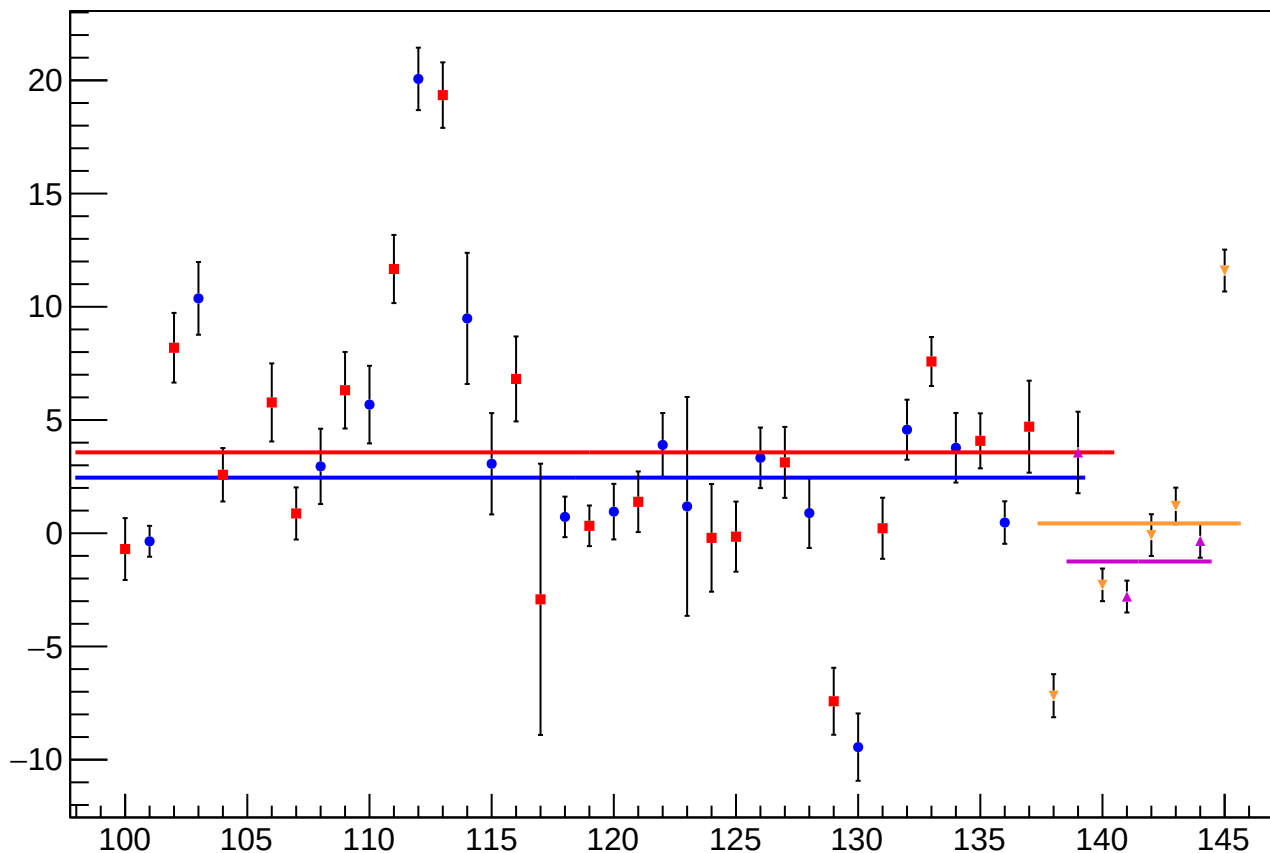
-34.520+/-0.474 χ^2/NDF : 528.1/4

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

-38.508+/-0.584 χ^2/NDF : 80.6/2

Left In: -38.508+/-0.584 χ^2/NDF : 80.6/2

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 0.434 ± 0.381 χ^2/NDF : 225.2/4

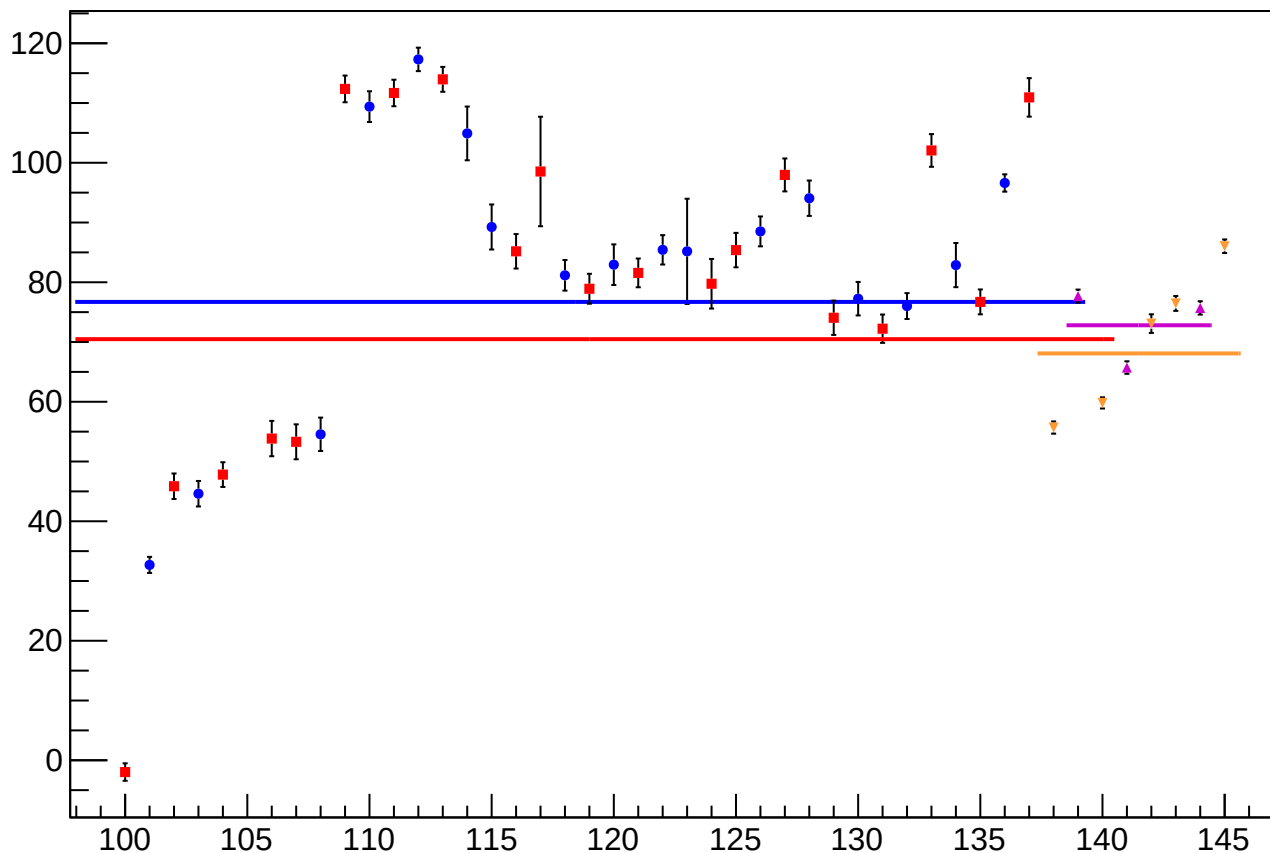
Right Out: 3.571 ± 0.317 χ^2/NDF : 281.0/19

Left In: -1.247 ± 0.492 χ^2/NDF : 13.5/2

1.635 ± 0.242 χ^2/NDF : 535.4/21

2.156 ± 0.267 χ^2/NDF : 362.3/22

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 $\pm$ 0.576 χ^2/NDF : 2266.6/16

Left Out: 68.090 $\pm$ 0.505 χ^2/NDF : 528.4/4

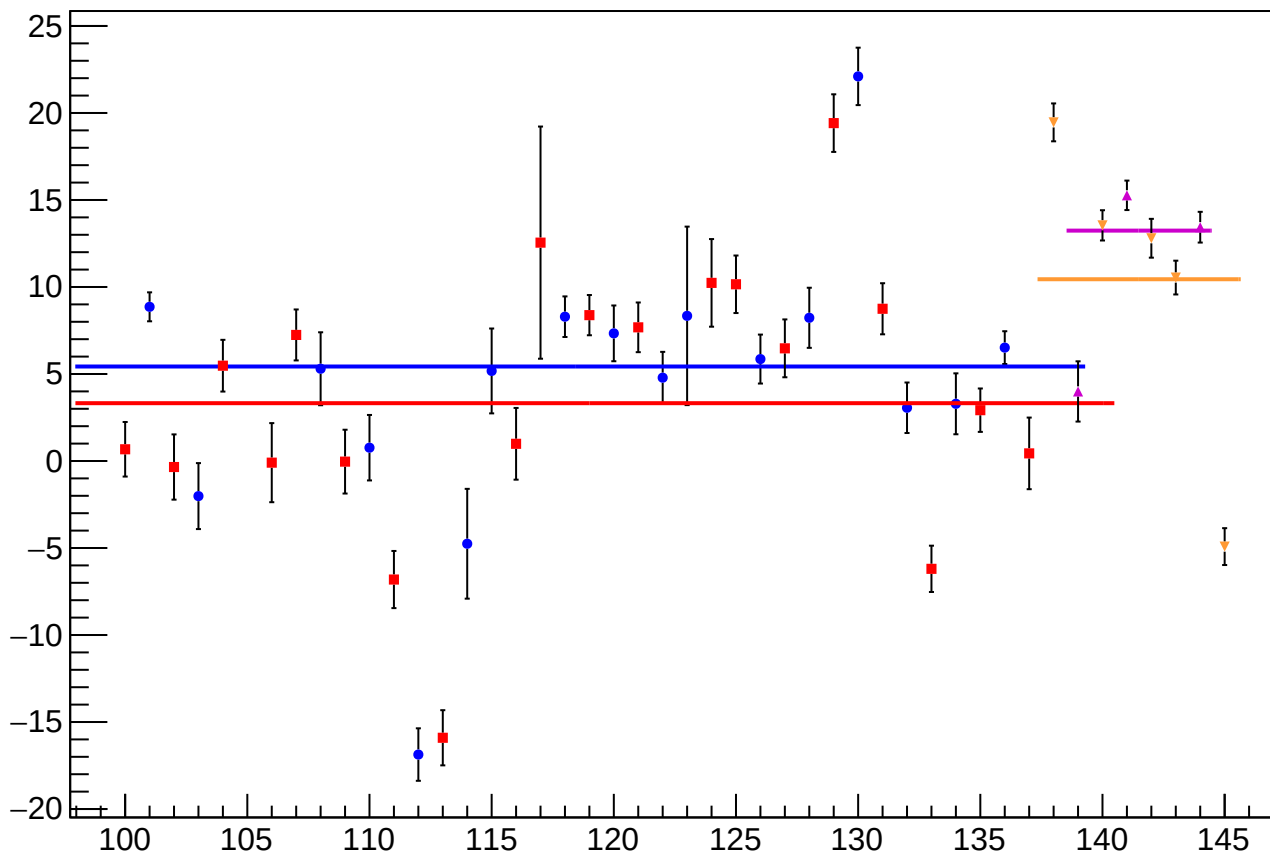
Right Out: 70.477 $\pm$ 0.549 χ^2/NDF : 4400.1/19

Left In: 72.803 $\pm$ 0.626 χ^2/NDF : 72.4/2

71.836 $\pm$ 0.380 χ^2/NDF : 2921.7/21

71.488 $\pm$ 0.413 χ^2/NDF : 4480.3/22

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 $\pm$ 0.361 χ^2 /NDF: 385.9/16

Left Out: 10.445 $\pm$ 0.451 χ^2 /NDF:296.1/4

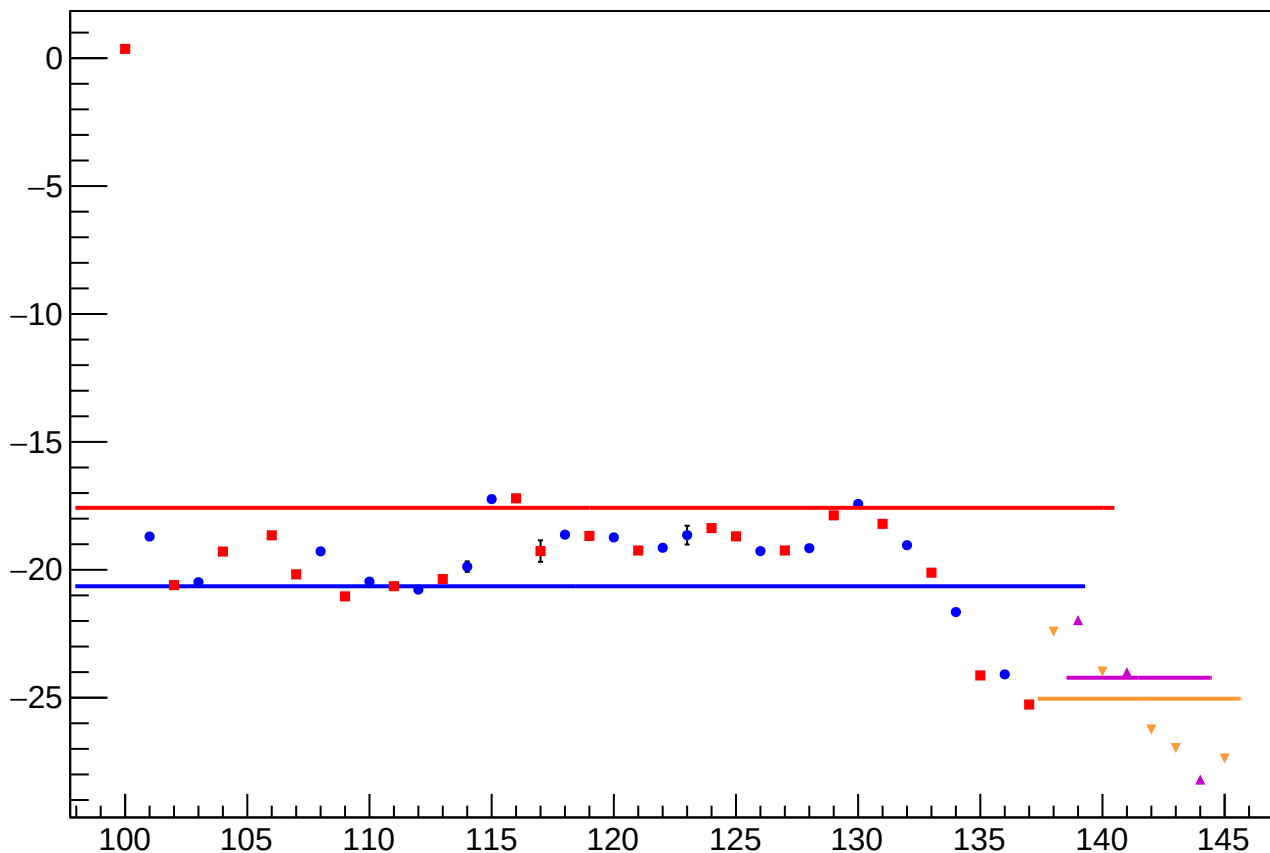
Right Out: 3.323 $\pm$ 0.365 χ^2 /NDF: 428.0/19

Left In: 13.240 $\pm$ 0.576 χ^2 /NDF:34.3/2

7.387 $\pm$ 0.282 χ^2 /NDF: 757.5/21

6.157 $\pm$ 0.308 χ^2 /NDF: 673.8/22

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643±/0.019 χ^2/NDF : 12468.6/16

Left Out: -25.039±/0.021 χ^2/NDF : 9416.2/4

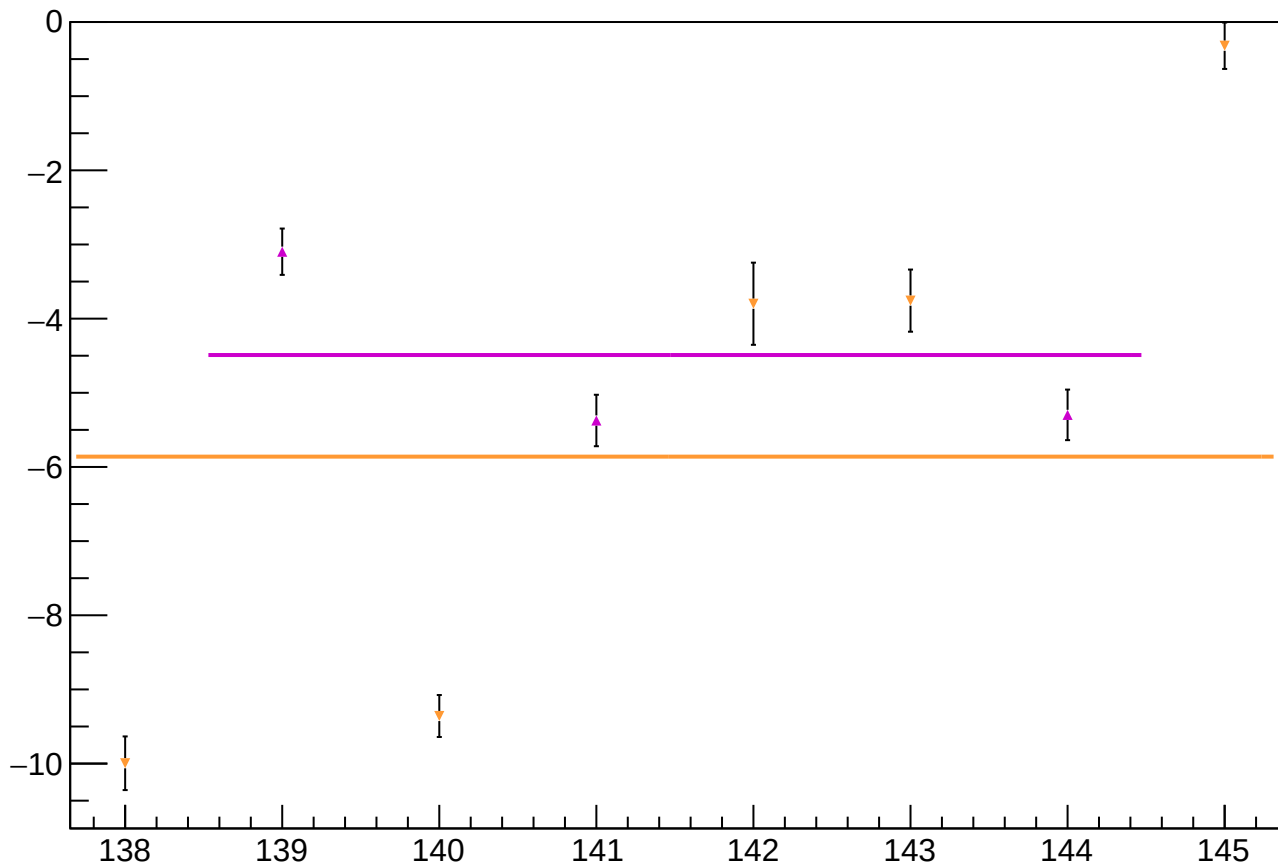
Right Out: -17.577±/0.018 χ^2/NDF : 178343.3/19

Left In: -24.220±/0.025 χ^2/NDF : 10123.0/2

-22.703±/0.014 χ^2/NDF : 46072.0/21

-19.902±/0.015 χ^2/NDF : 236028.7/22

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



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

Left Out: -5.861+/-0.160 χ^2/NDF : 636.1/4

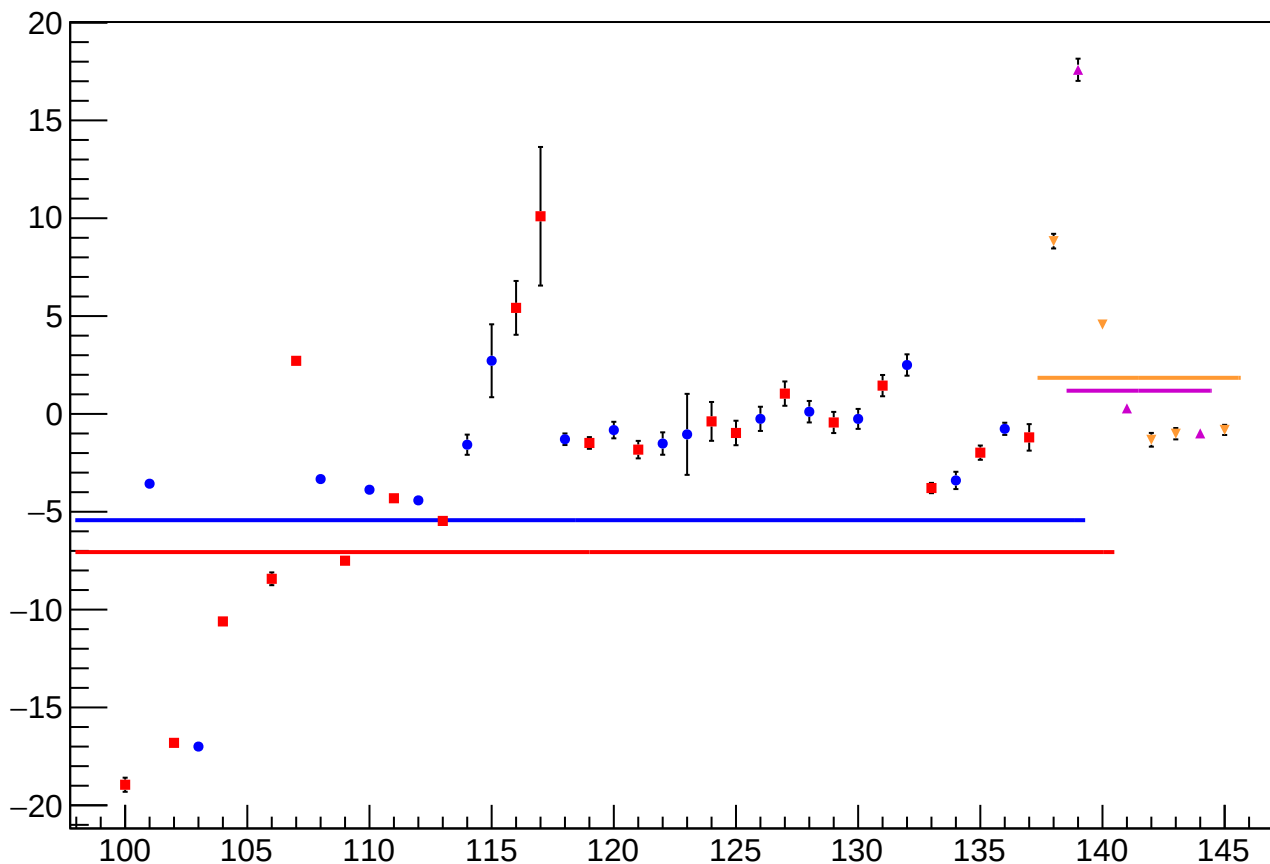
-5.861+/-0.160 χ^2/NDF : 636.1/4

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

-4.491+/-0.192 χ^2/NDF : 32.0/2

Left In: -4.491+/-0.192 χ^2/NDF : 32.0/2

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431+/-0.055 χ^2 /NDF: 9233.8/16

Left Out: 1.845+/-0.129 χ^2 /NDF:765.4/4

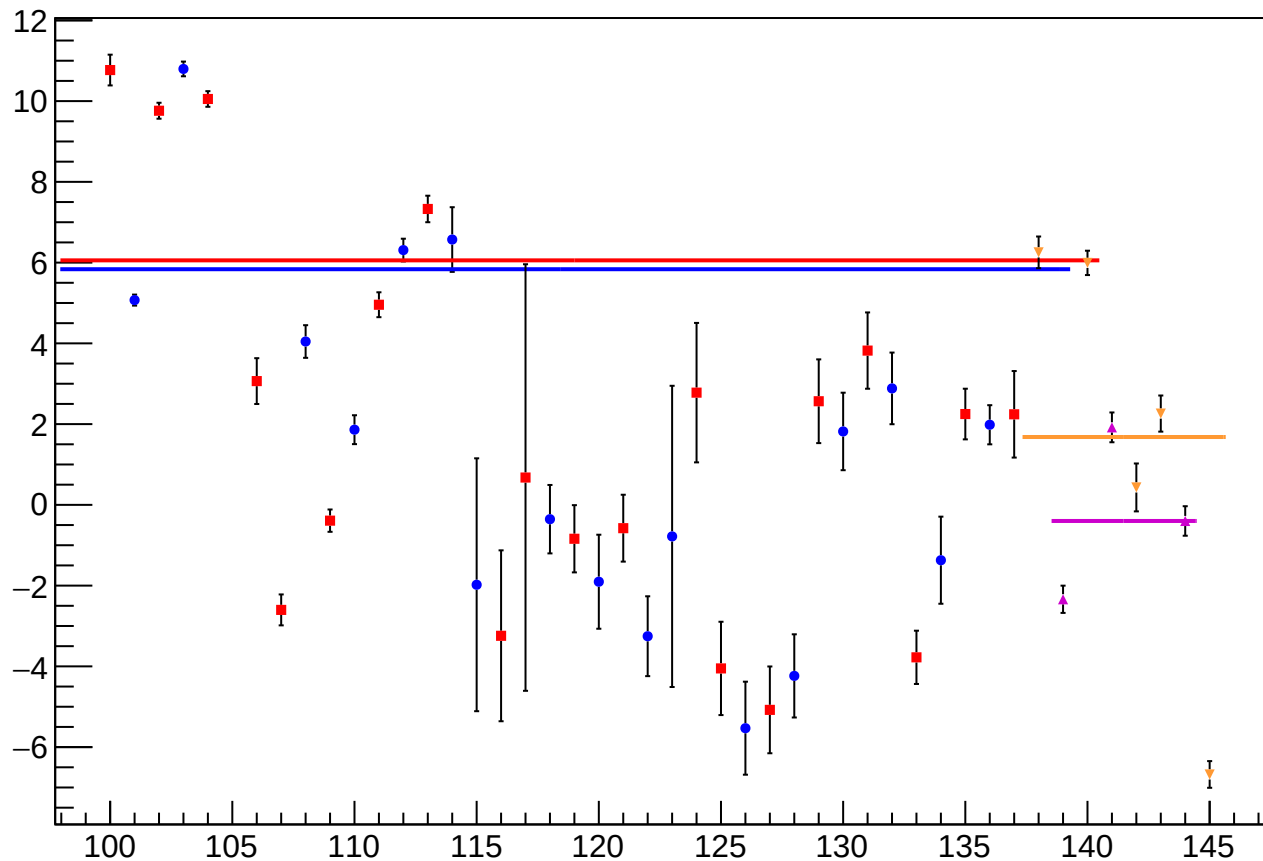
Right Out: -7.061+/-0.059 χ^2 /NDF: 12330.1/19

Left In: 1.186+/-0.167 χ^2 /NDF:927.4/2

-4.317+/-0.050 χ^2 /NDF: 12691.2/21

-6.143+/-0.056 χ^2 /NDF: 15430.2/22

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 $\pm$ 0.090 χ^2 /NDF: 1440.9/16

Left Out: 1.681 $\pm$ 0.170 χ^2 /NDF:986.0/4

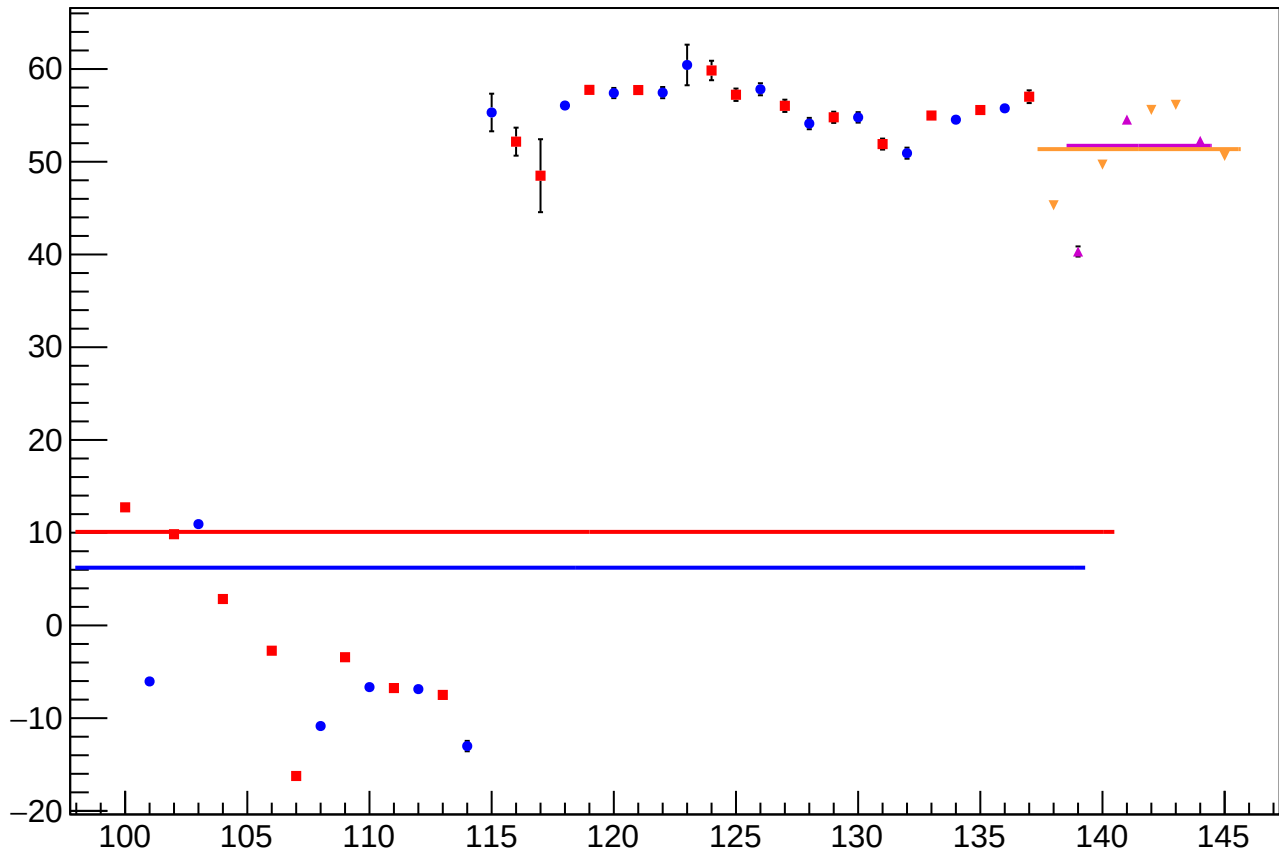
Right Out: 6.056 $\pm$ 0.093 χ^2 /NDF: 2669.9/19

Left In: -0.399 $\pm$ 0.206 χ^2 /NDF:72.5/2

4.934 $\pm$ 0.079 χ^2 /NDF: 2893.2/21

4.955 $\pm$ 0.085 χ^2 /NDF: 3558.5/22

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226+/-0.065 χ^2/NDF : 120955.1/16

Left Out: 51.362+/-0.152 χ^2/NDF : 531.3/4

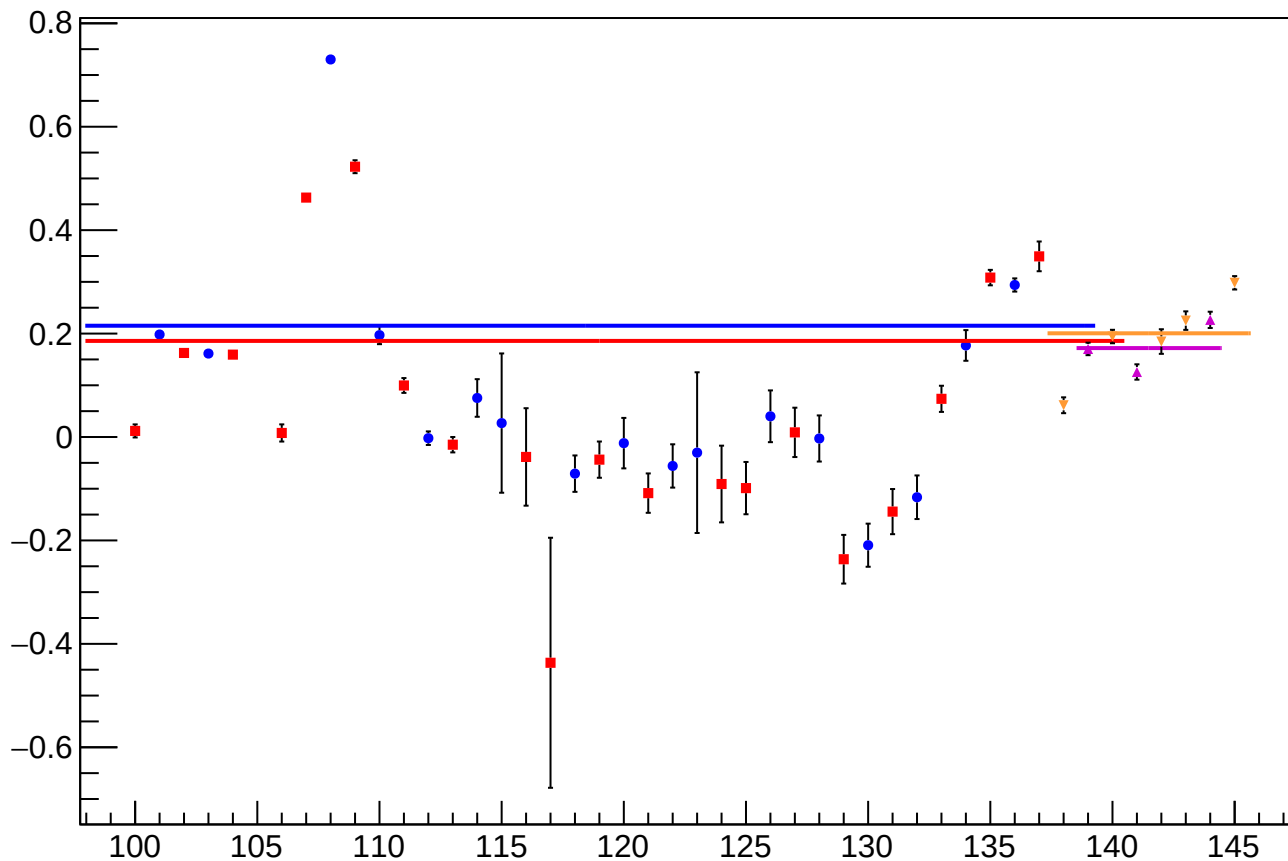
Right Out: 10.087+/-0.070 χ^2/NDF : 122144.7/19

Left In: 51.719+/-0.194 χ^2/NDF : 527.5/2

13.149+/-0.060 χ^2/NDF : 195832.5/21

14.840+/-0.066 χ^2/NDF : 163376.9/22

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.201 $\pm$ 0.007 χ^2/NDF :141.8/4

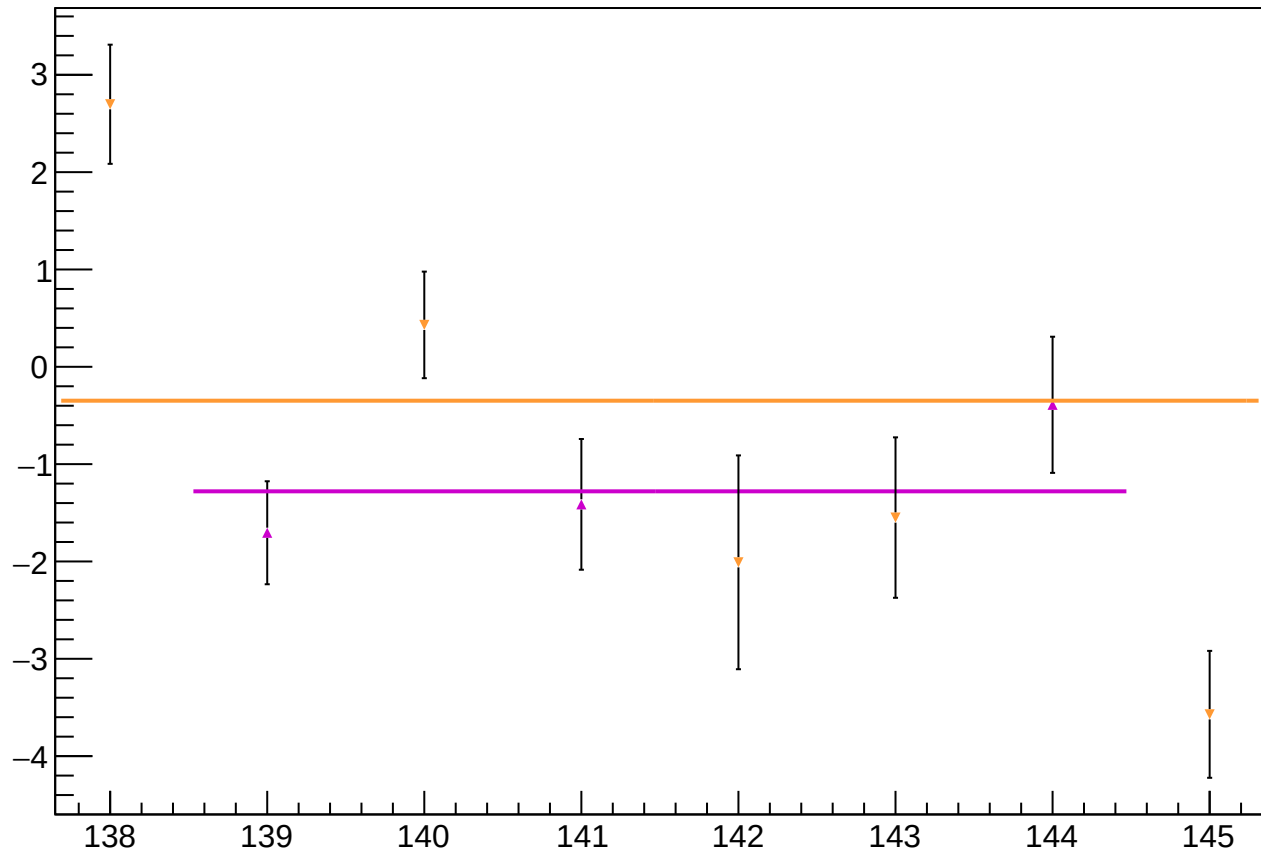
Right Out: 0.186 $\pm$ 0.003 χ^2/NDF : 2724.7/19

Left In: 0.172 $\pm$ 0.008 χ^2/NDF :21.7/2

0.213 $\pm$ 0.003 χ^2/NDF : 4071.6/21

0.184 $\pm$ 0.003 χ^2/NDF : 2749.2/22

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.348 $\pm$ 0.306 χ^2 /NDF: 55.6/4

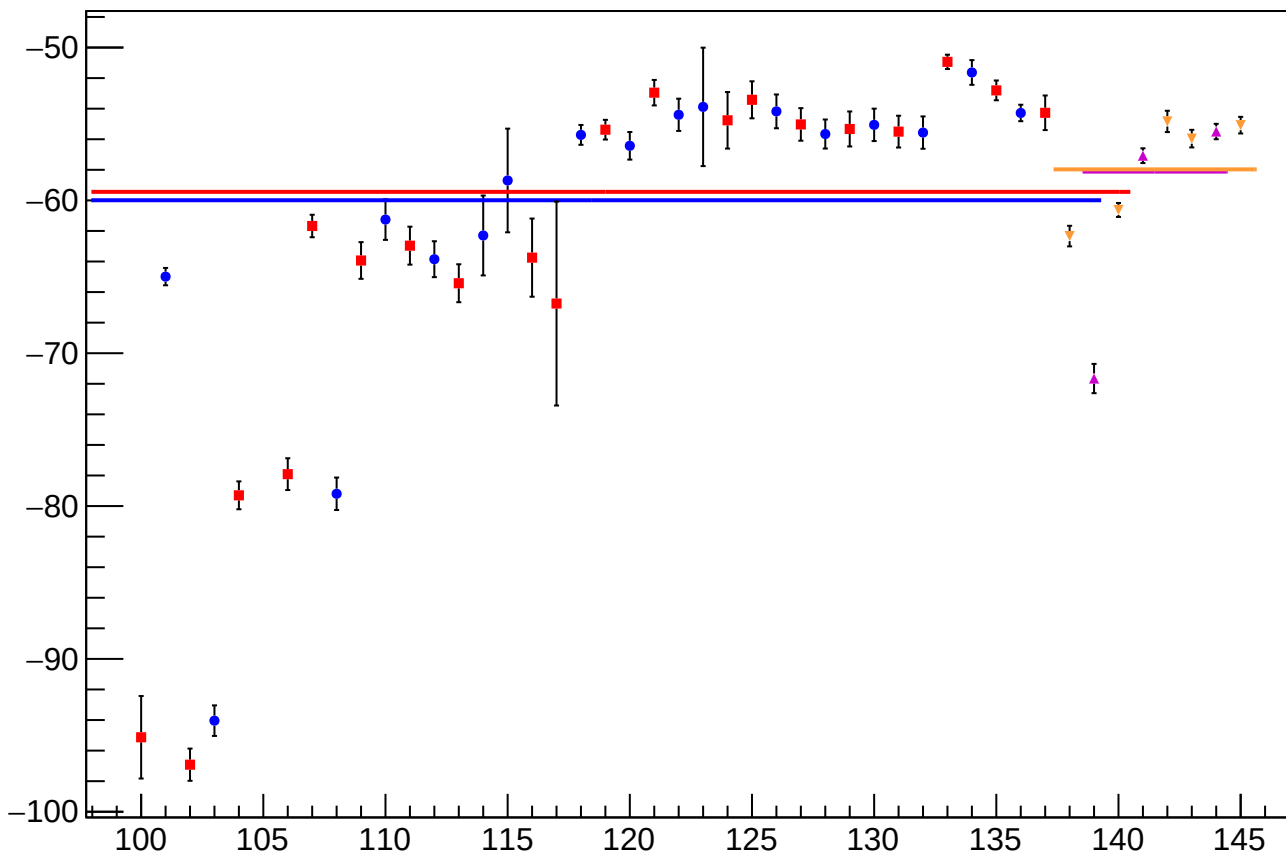
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -1.279 $\pm$ 0.357 χ^2 /NDF: 2.3/2

-0.348 $\pm$ 0.306 χ^2 /NDF: 55.6/4

-1.279 $\pm$ 0.357 χ^2 /NDF: 2.3/2

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992±/0.225 χ^2/NDF : 1972.9/16

Left Out: -57.972±/0.254 χ^2/NDF :136.5/4

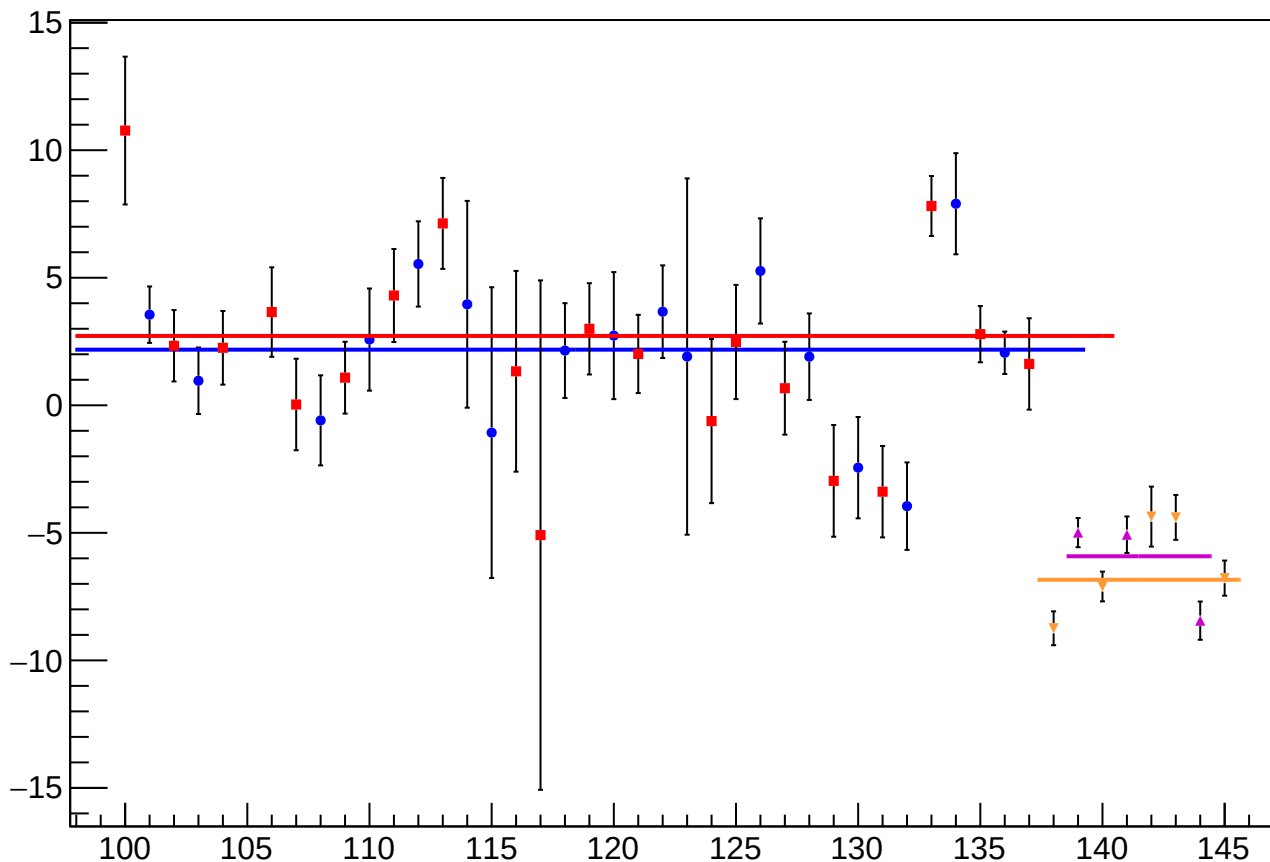
Right Out: -59.442±/0.212 χ^2/NDF : 2919.1/19

Left In: -58.117±/0.328 χ^2/NDF :231.7/2

-59.106±/0.169 χ^2/NDF : 2144.8/21

-59.052±/0.178 χ^2/NDF : 3162.3/22

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 χ^2/NDF : 39.0/16

Left Out: -6.840 ± 0.327 χ^2/NDF : 20.6/4

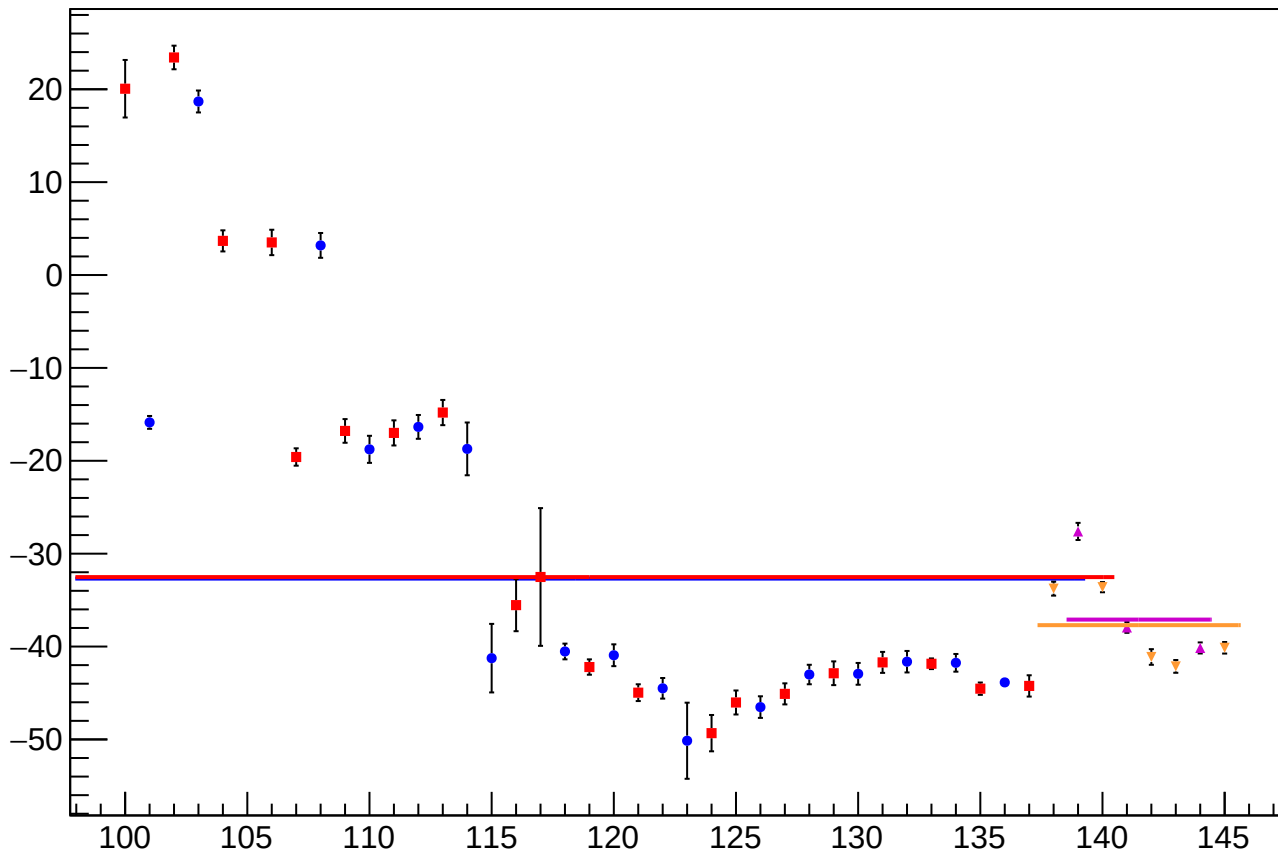
Right Out: 2.719 ± 0.388 χ^2/NDF : 59.5/19

Left In: -5.919 ± 0.384 χ^2/NDF : 15.4/2

-3.281 ± 0.255 χ^2/NDF : 359.1/21

-1.645 ± 0.273 χ^2/NDF : 325.7/22

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -37.697 ± 0.299 $\chi^2/\text{NDF}: 156.5/4$

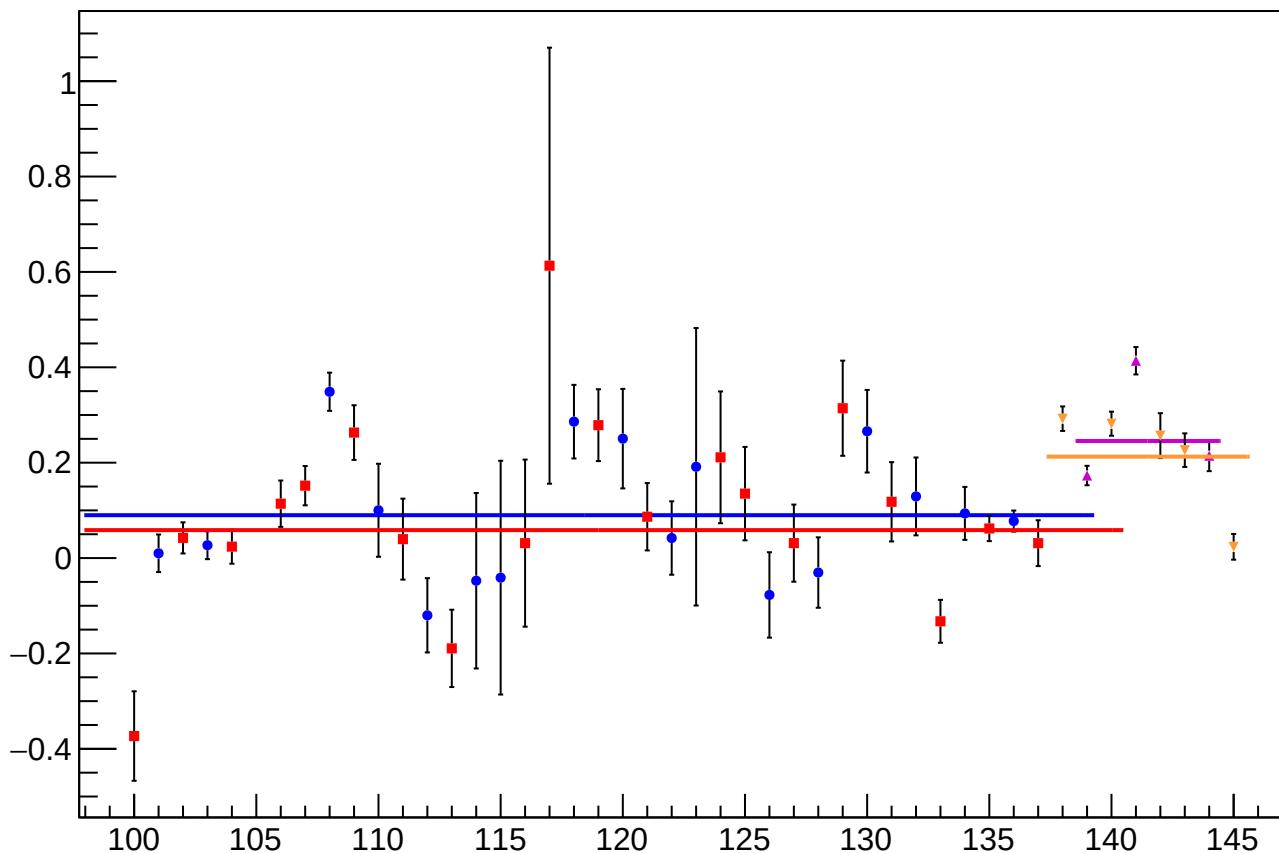
Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

Left In: -37.097 ± 0.378 $\chi^2/\text{NDF}: 134.4/2$

-34.803 ± 0.194 $\chi^2/\text{NDF}: 4965.9/21$

-33.866 ± 0.205 $\chi^2/\text{NDF}: 6283.0/22$

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: 0.213 $\pm$ 0.013 χ^2/NDF : 67.3/4

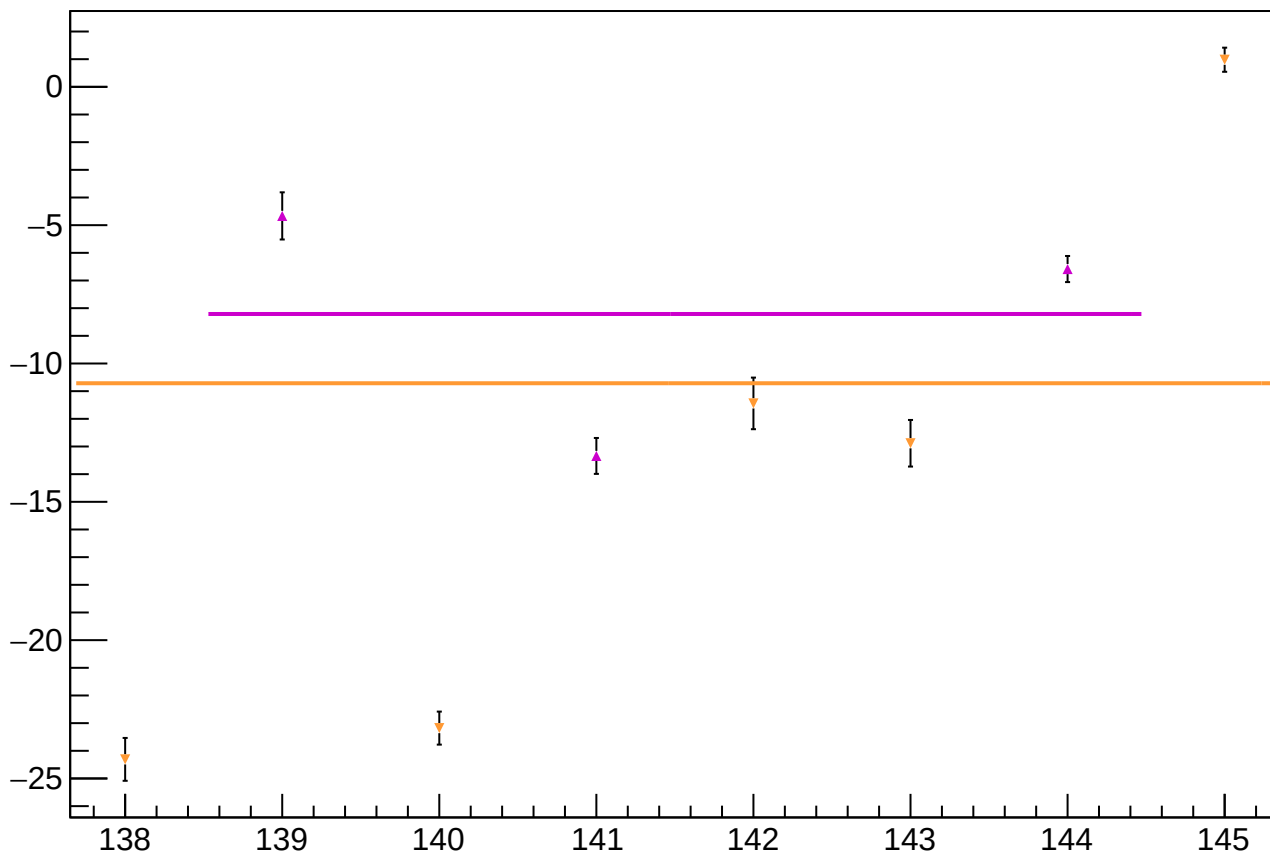
Right Out: 0.059 $\pm$ 0.012 χ^2/NDF : 88.6/19

Left In: 0.246 $\pm$ 0.015 χ^2/NDF : 47.8/2

0.149 $\pm$ 0.009 χ^2/NDF : 190.8/21

0.134 $\pm$ 0.009 χ^2/NDF : 231.7/22

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



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

Left Out: -10.714+/-0.285 χ^2/NDF : 1471.2/4

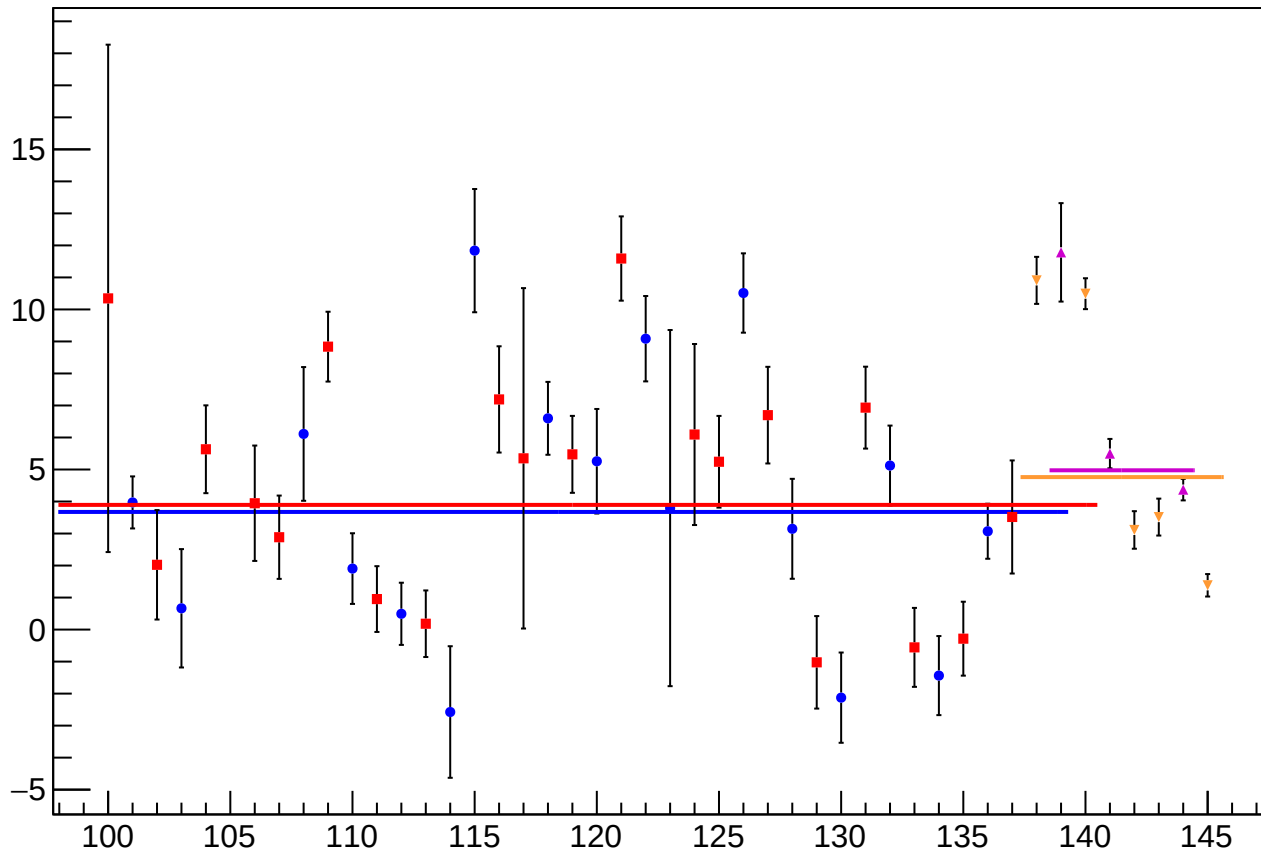
-10.714+/-0.285 χ^2/NDF : 1471.2/4

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

-8.210+/-0.348 χ^2/NDF : 91.6/2

Left In: -8.210+/-0.348 χ^2/NDF : 91.6/2

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 $\pm$ 0.310 χ^2 /NDF: 135.2/16

Left Out: 4.763 $\pm$ 0.223 χ^2 /NDF: 316.4/4

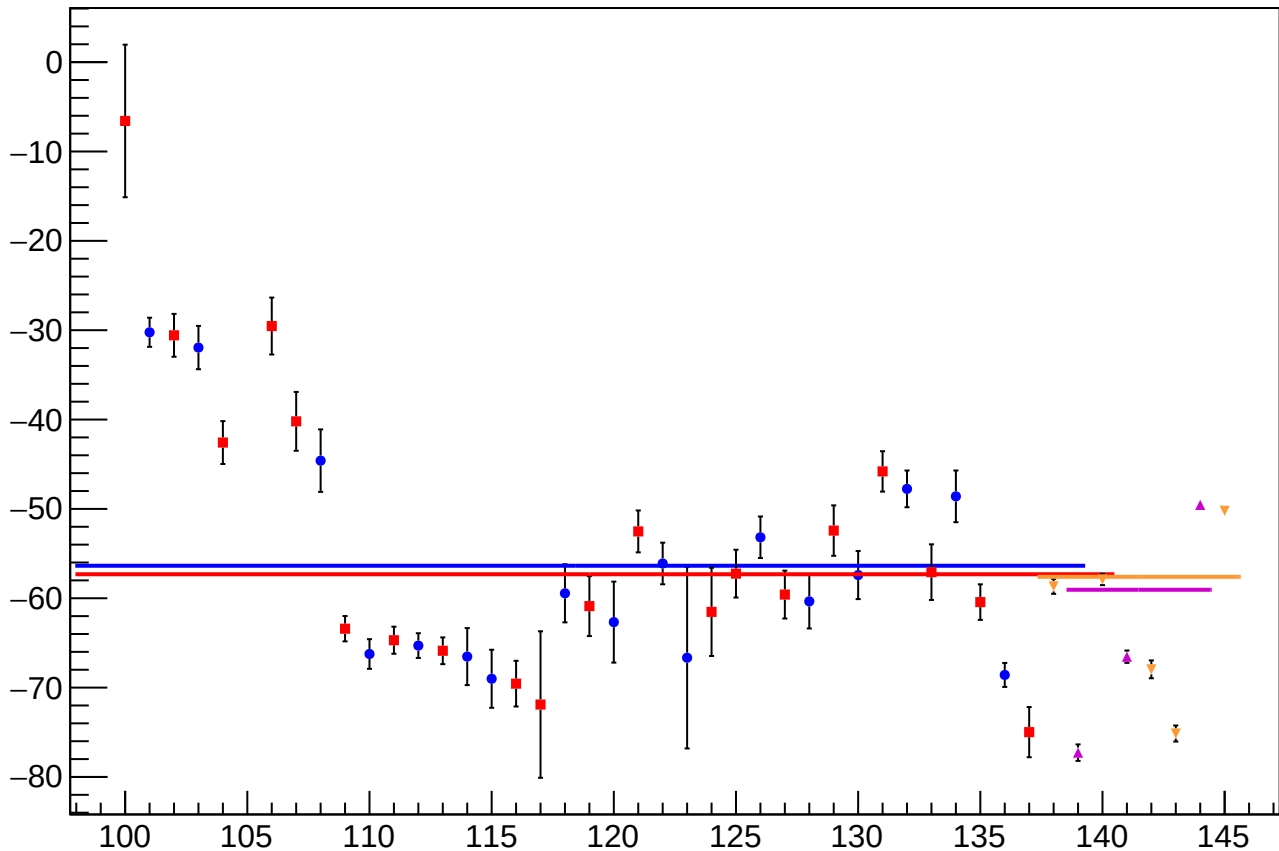
Right Out: 3.895 $\pm$ 0.316 χ^2 /NDF: 133.8/19

Left In: 4.975 $\pm$ 0.267 χ^2 /NDF: 24.1/2

4.393 $\pm$ 0.181 χ^2 /NDF: 459.6/21

4.525 $\pm$ 0.204 χ^2 /NDF: 164.8/22

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 $\chi^2/\text{NDF}: 587.2/16$

Left Out: -57.599 ± 0.304 $\chi^2/\text{NDF}: 744.3/4$

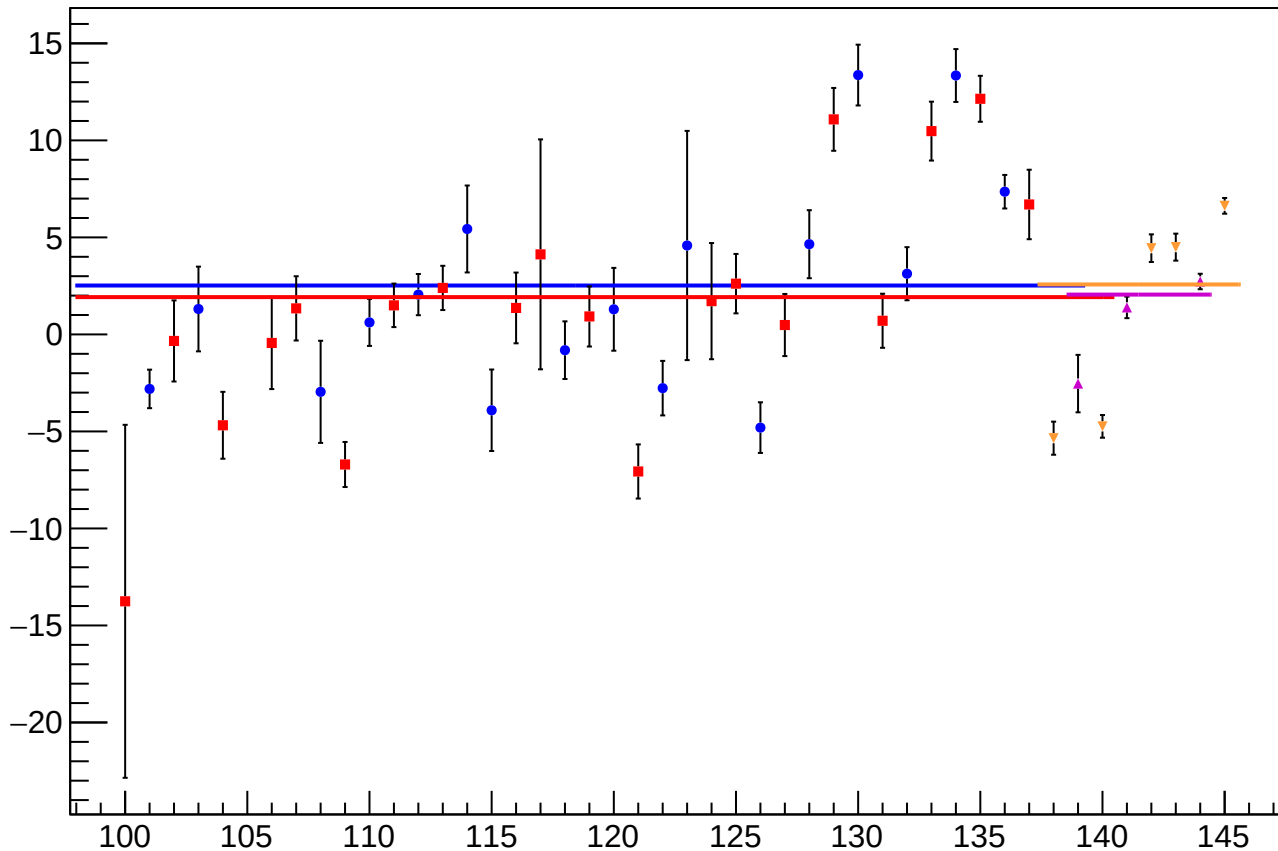
Right Out: -57.314 ± 0.535 $\chi^2/\text{NDF}: 479.2/19$

Left In: -59.049 ± 0.373 $\chi^2/\text{NDF}: 860.5/2$

-57.303 ± 0.266 $\chi^2/\text{NDF}: 1335.4/21$

-58.481 ± 0.306 $\chi^2/\text{NDF}: 1346.8/22$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 $\pm$ 0.347 χ^2 /NDF: 242.3/16

Left Out: 2.574 $\pm$ 0.263 χ^2 /NDF:357.5/4

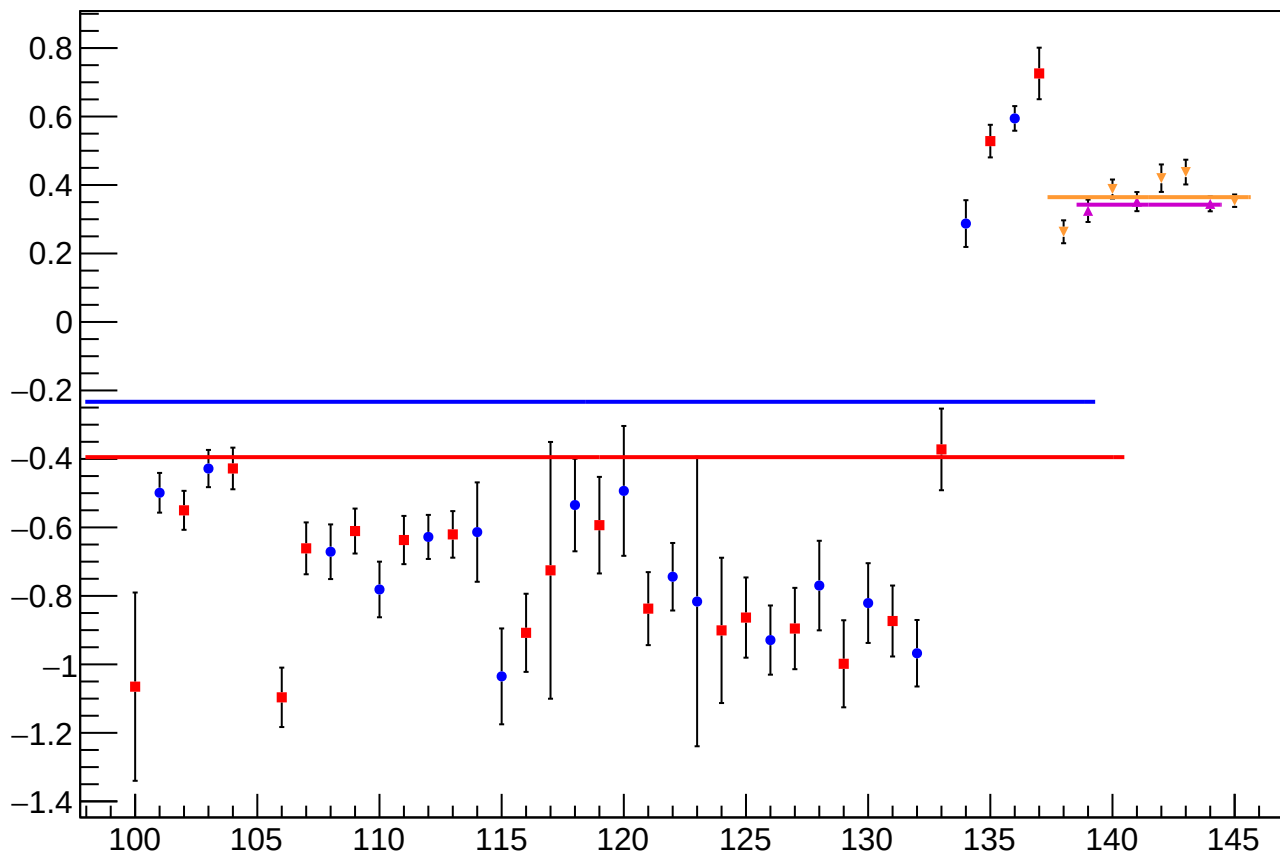
Right Out: 1.922 $\pm$ 0.354 χ^2 /NDF: 264.7/19

Left In: 2.052 $\pm$ 0.316 χ^2 /NDF:13.9/2

2.554 $\pm$ 0.210 χ^2 /NDF: 599.9/21

1.995 $\pm$ 0.236 χ^2 /NDF: 278.6/22

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.365 ± 0.012 χ^2/NDF : 16.2/4

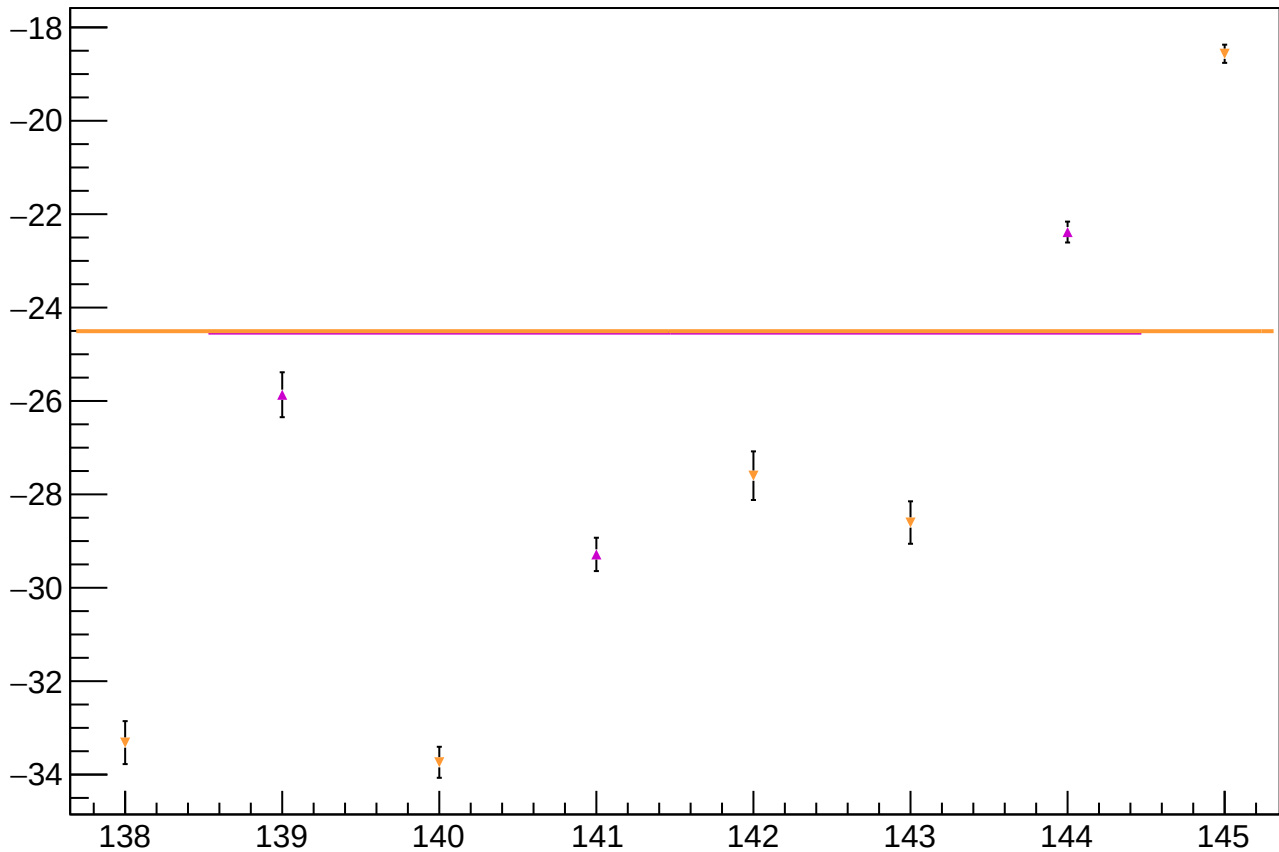
Right Out: -0.395 ± 0.019 χ^2/NDF : 845.9/19

Left In: 0.343 ± 0.015 χ^2/NDF : 0.4/2

0.187 ± 0.010 χ^2/NDF : 1674.9/21

0.054 ± 0.012 χ^2/NDF : 1766.6/22

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -24.506+/-0.143 χ^2/NDF : 2186.6/4

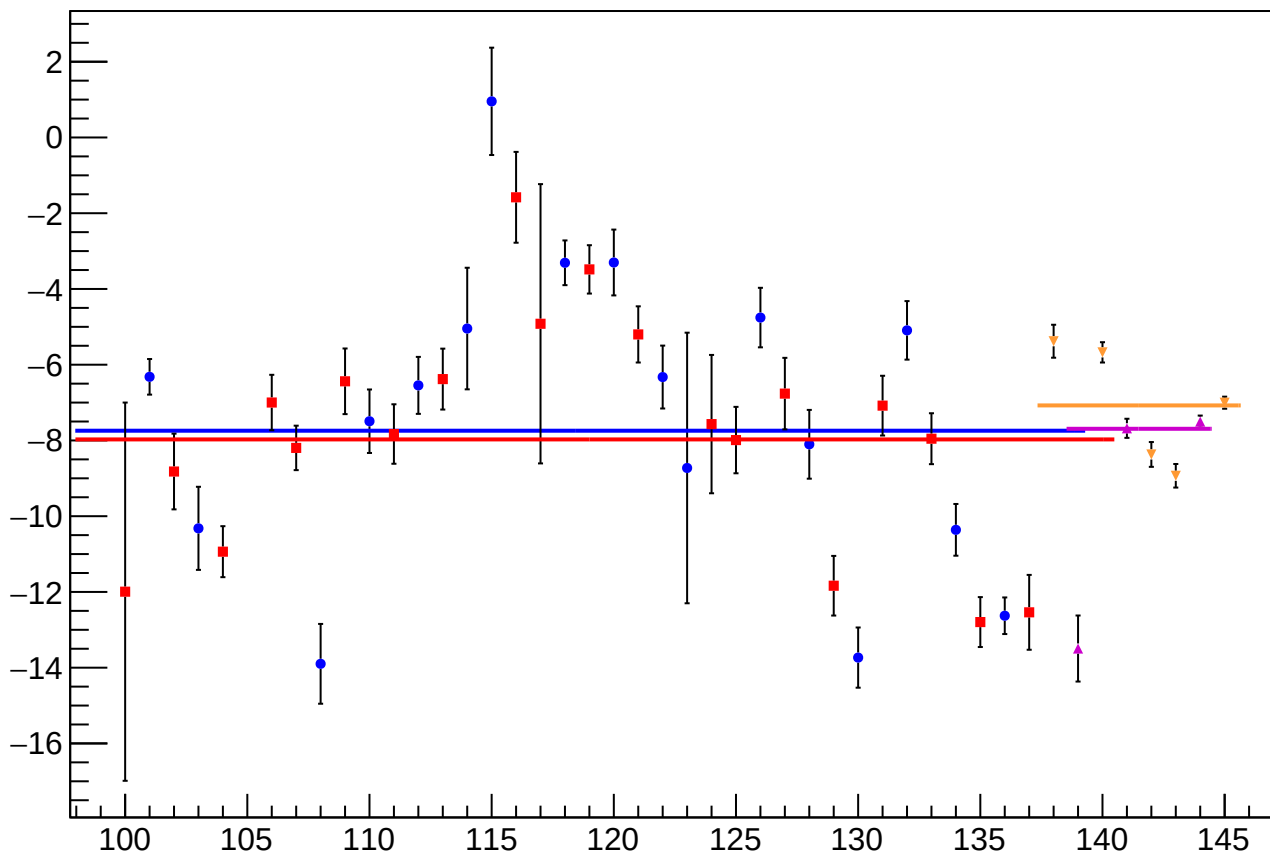
-24.506+/-0.143 χ^2/NDF : 2186.6/4

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

-24.536+/-0.176 χ^2/NDF : 277.3/2

Left In: -24.536+/-0.176 χ^2/NDF : 277.3/2

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 $\pm$ 0.187 χ^2/NDF : 377.5/16

Left Out: -7.075 $\pm$ 0.113 χ^2/NDF : 94.0/4

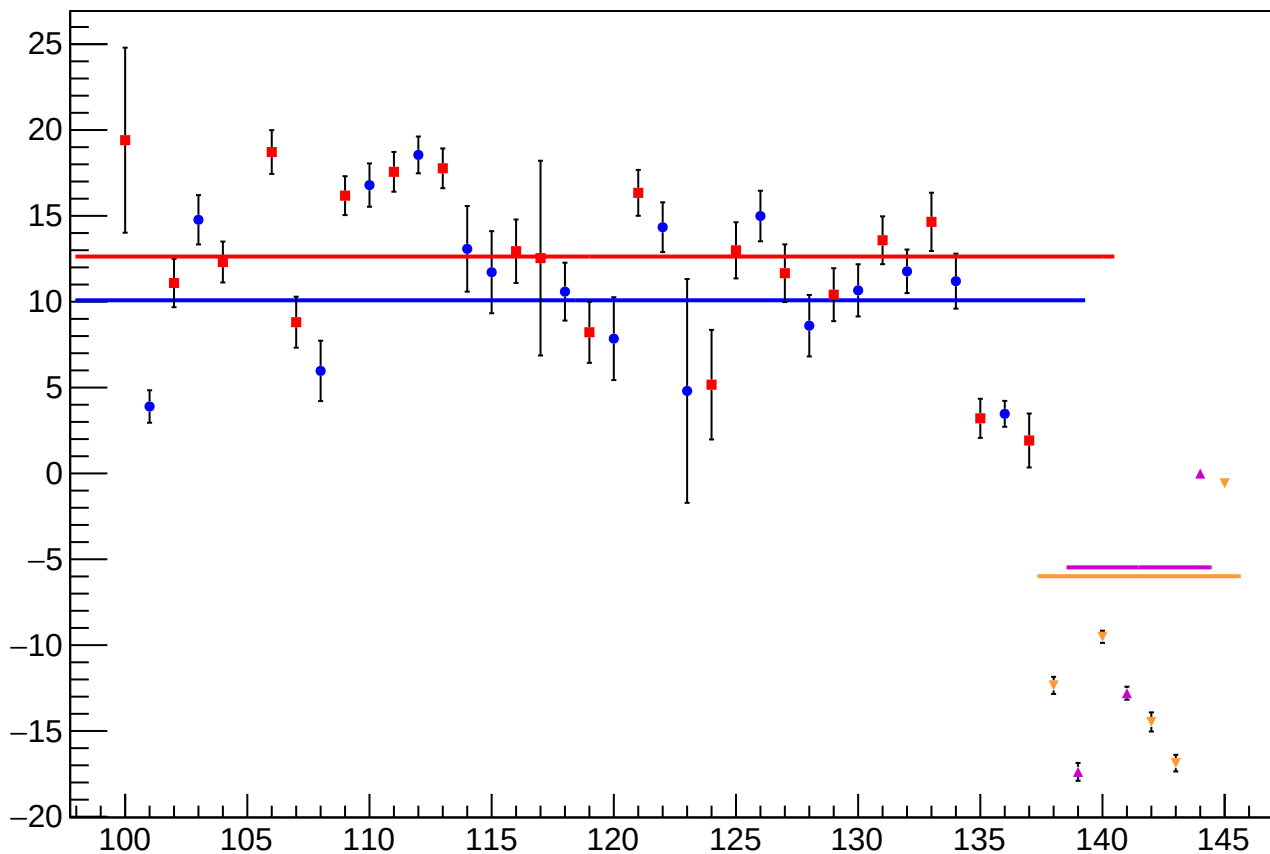
Right Out: -7.973 $\pm$ 0.186 χ^2/NDF : 224.2/19

Left In: -7.692 $\pm$ 0.133 χ^2/NDF : 45.7/2

-7.254 $\pm$ 0.097 χ^2/NDF : 480.8/21

-7.788 $\pm$ 0.108 χ^2/NDF : 271.4/22

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 ± 0.338 $\chi^2/\text{NDF}: 252.7/16$

Left Out: -5.986 ± 0.152 $\chi^2/\text{NDF}: 1687.4/4$

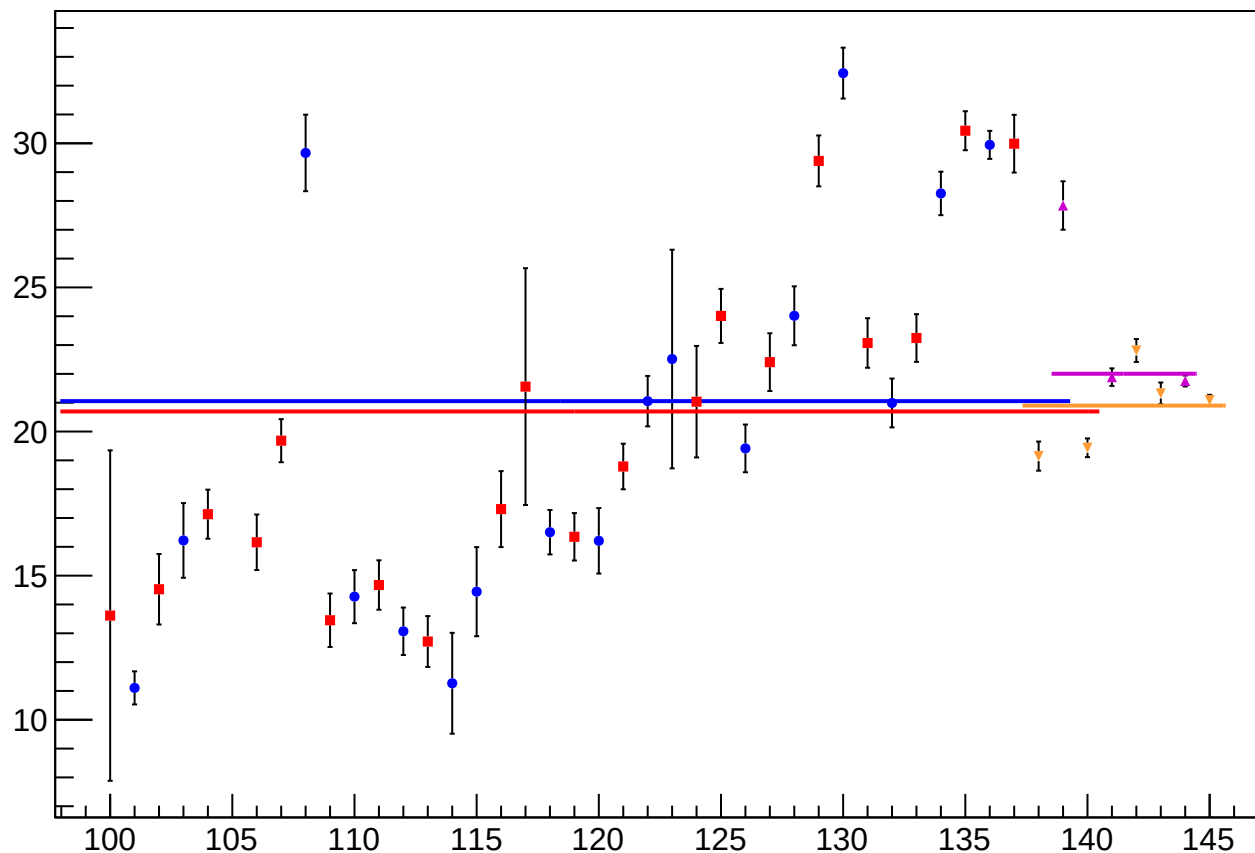
Right Out: 12.631 ± 0.332 $\chi^2/\text{NDF}: 218.6/19$

Left In: -5.472 ± 0.189 $\chi^2/\text{NDF}: 1415.9/2$

-3.270 ± 0.139 $\chi^2/\text{NDF}: 3819.1/21$

-1.044 ± 0.164 $\chi^2/\text{NDF}: 3879.4/22$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055 ± 0.211 $\chi^2/\text{NDF}: 1211.8/16$

Left Out: 20.900 ± 0.133 $\chi^2/\text{NDF}: 57.8/4$

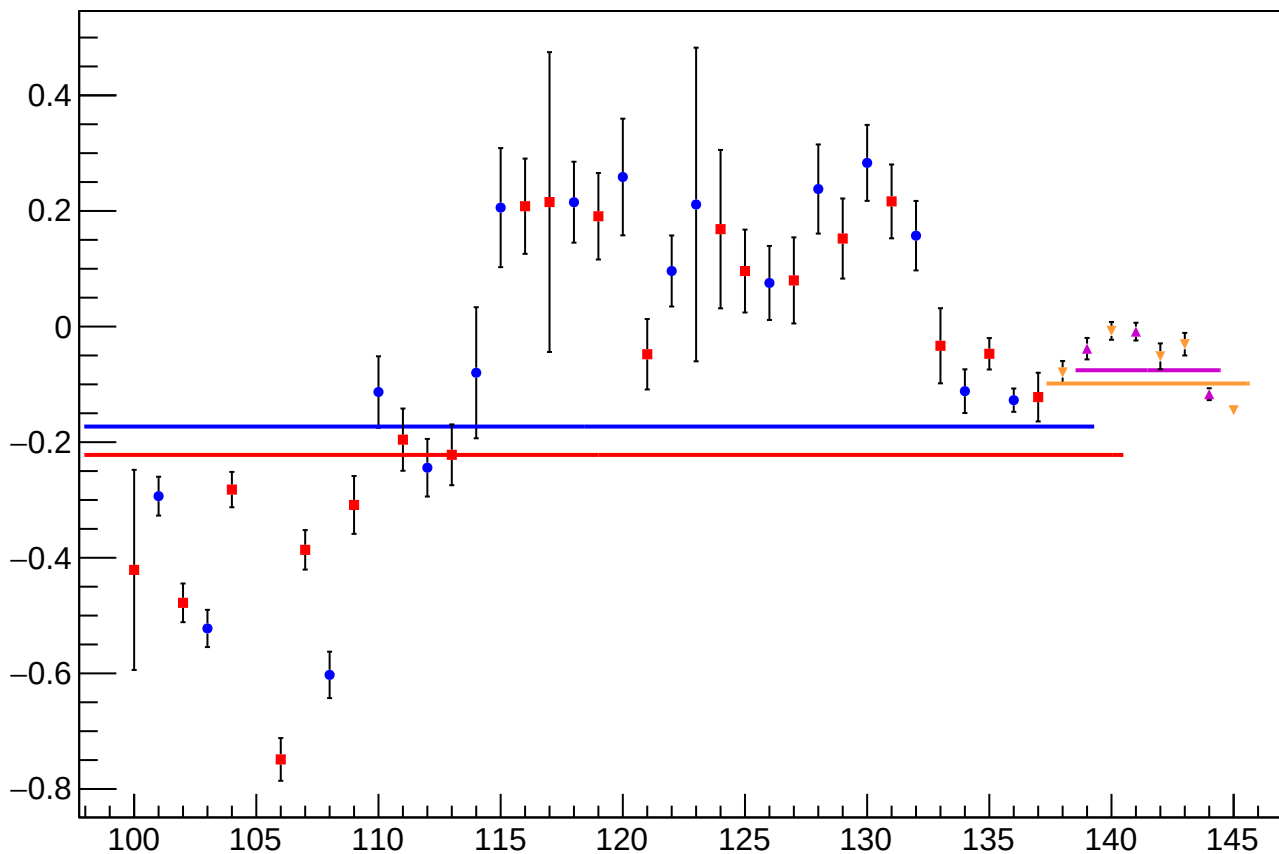
Right Out: 20.696 ± 0.212 $\chi^2/\text{NDF}: 724.1/19$

Left In: 22.005 ± 0.158 $\chi^2/\text{NDF}: 50.2/2$

20.944 ± 0.113 $\chi^2/\text{NDF}: 1269.9/21$

21.539 ± 0.127 $\chi^2/\text{NDF}: 798.8/22$

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.099 ± 0.006 χ^2/NDF : 85.1/4

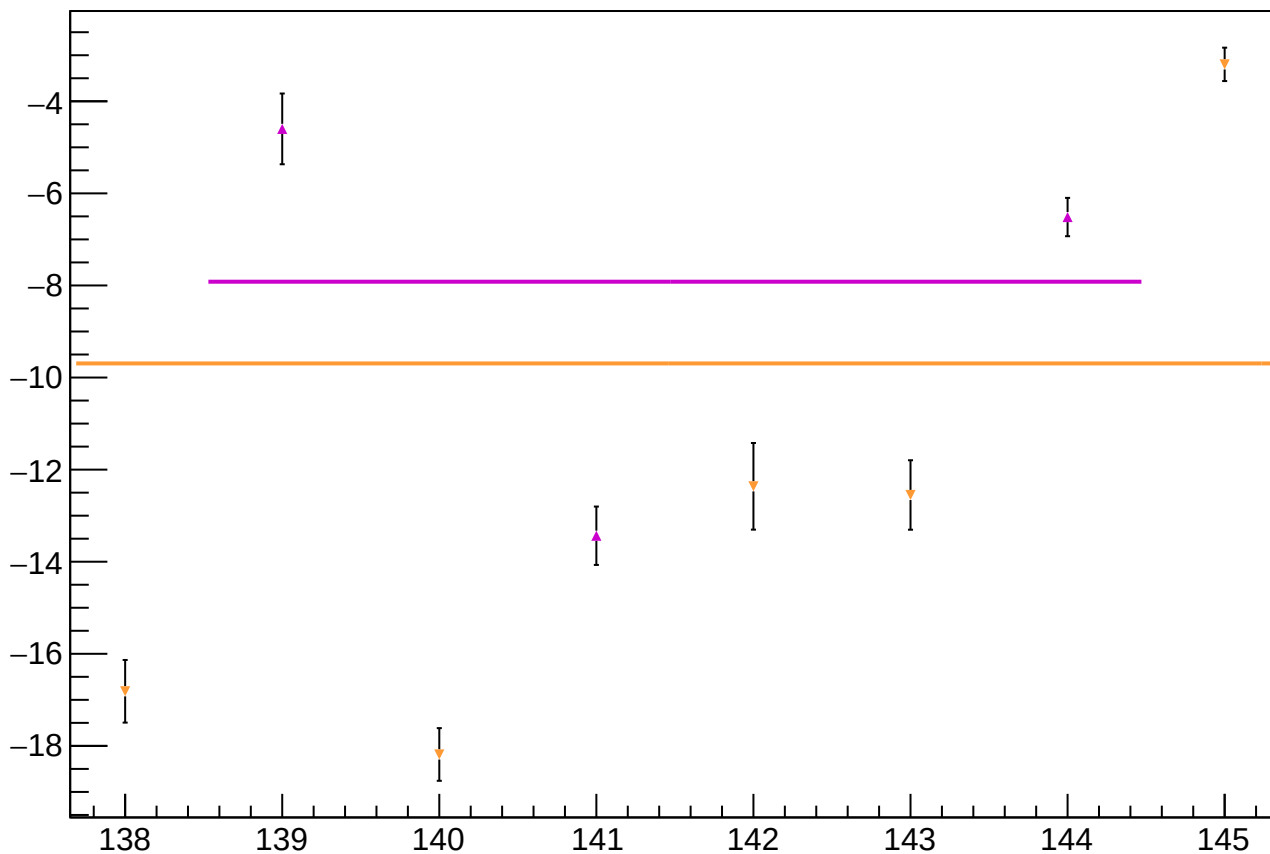
Right Out: -0.222 ± 0.011 χ^2/NDF : 538.0/19

Left In: -0.076 ± 0.008 χ^2/NDF : 39.3/2

-0.116 ± 0.005 χ^2/NDF : 580.9/21

-0.124 ± 0.006 χ^2/NDF : 696.5/22

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.693+/-0.252 χ^2/NDF : 673.1/4

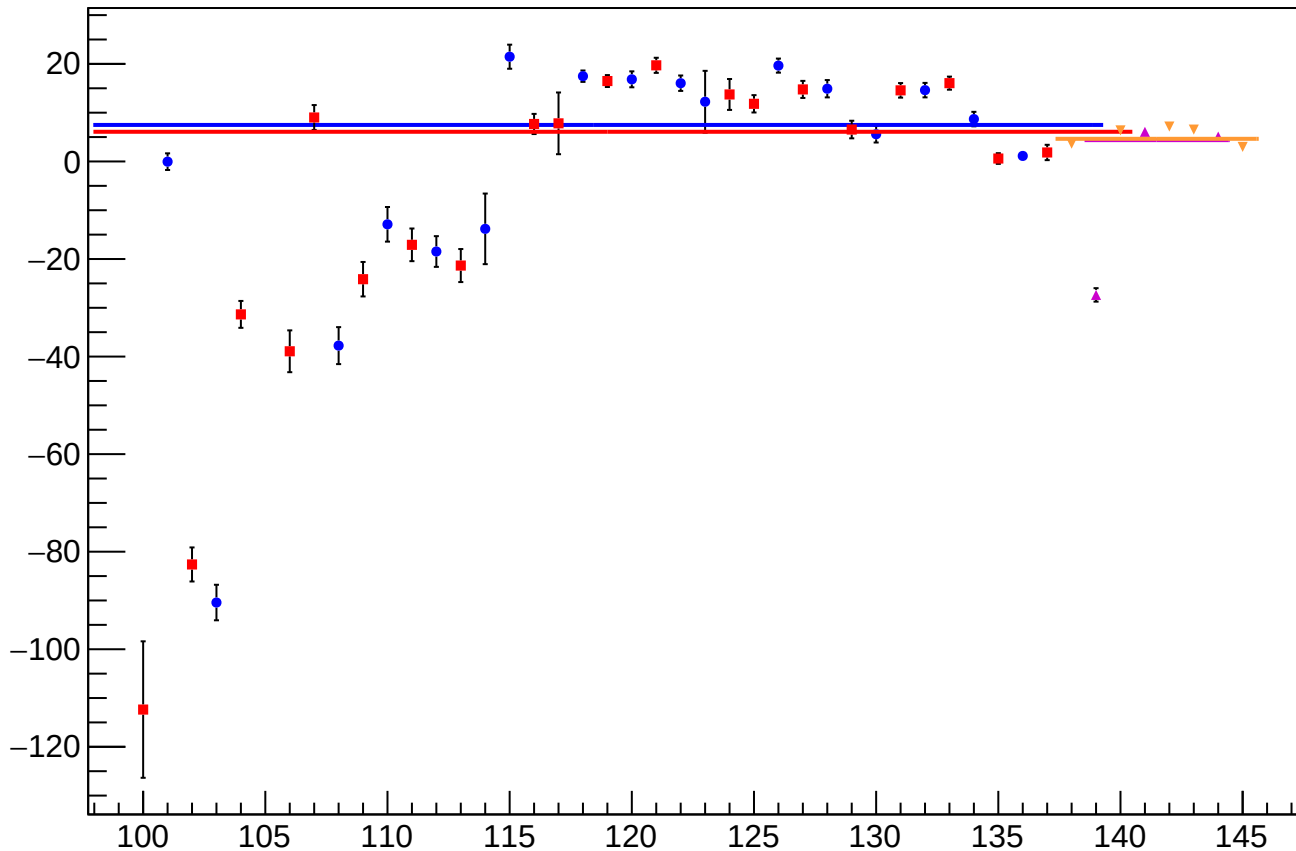
-9.693+/-0.252 χ^2/NDF : 673.1/4

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

-7.919+/-0.317 χ^2/NDF : 105.8/2

Left In: -7.919+/-0.317 χ^2/NDF : 105.8/2

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 $\pm$ 0.407 χ^2 /NDF: 1340.5/16

Left Out: 4.643 $\pm$ 0.198 χ^2 /NDF:80.5/4

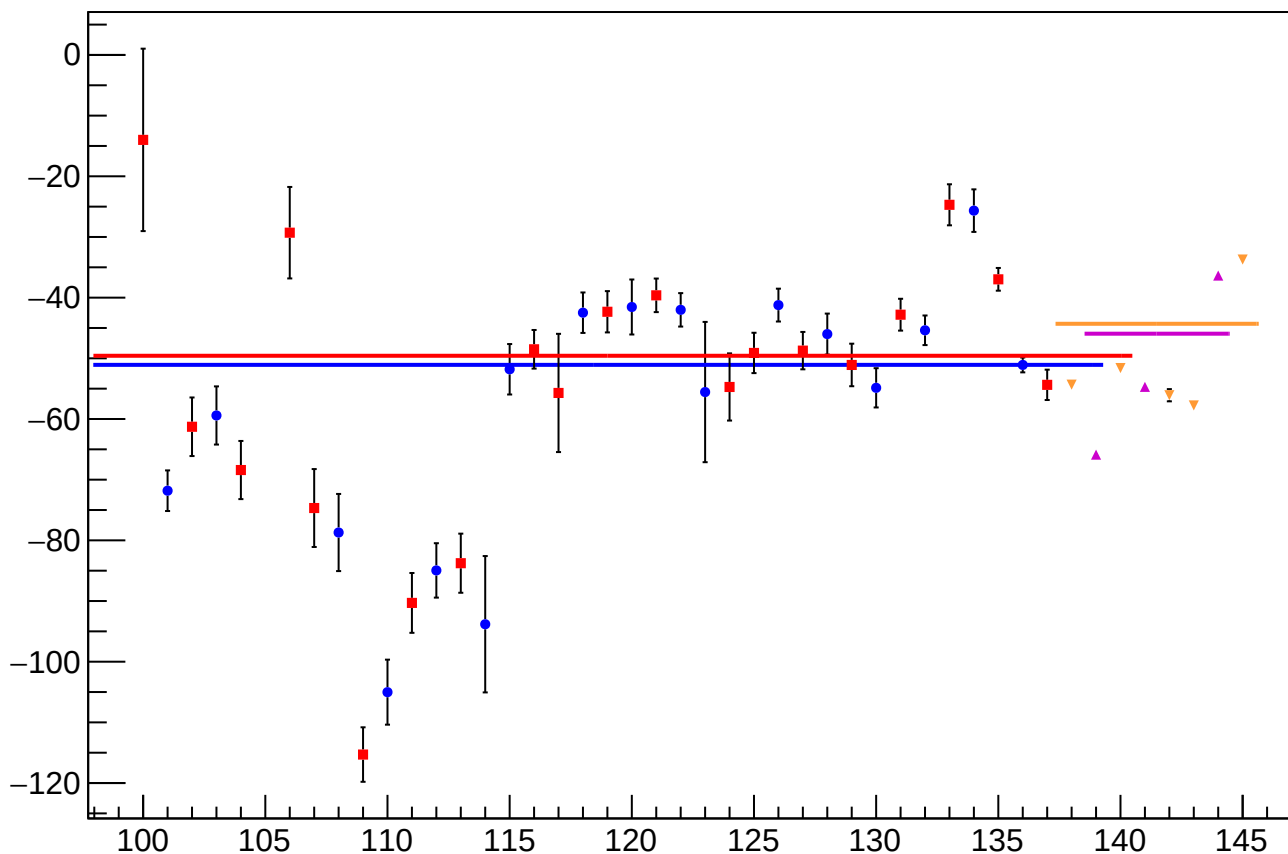
Right Out: 6.086 $\pm$ 0.433 χ^2 /NDF: 1512.2/19

Left In: 4.372 $\pm$ 0.244 χ^2 /NDF:547.6/2

5.186 $\pm$ 0.178 χ^2 /NDF: 1460.6/21

4.784 $\pm$ 0.212 χ^2 /NDF: 2071.7/22

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -44.307 ± 0.270 χ^2/NDF : 1491.5/4

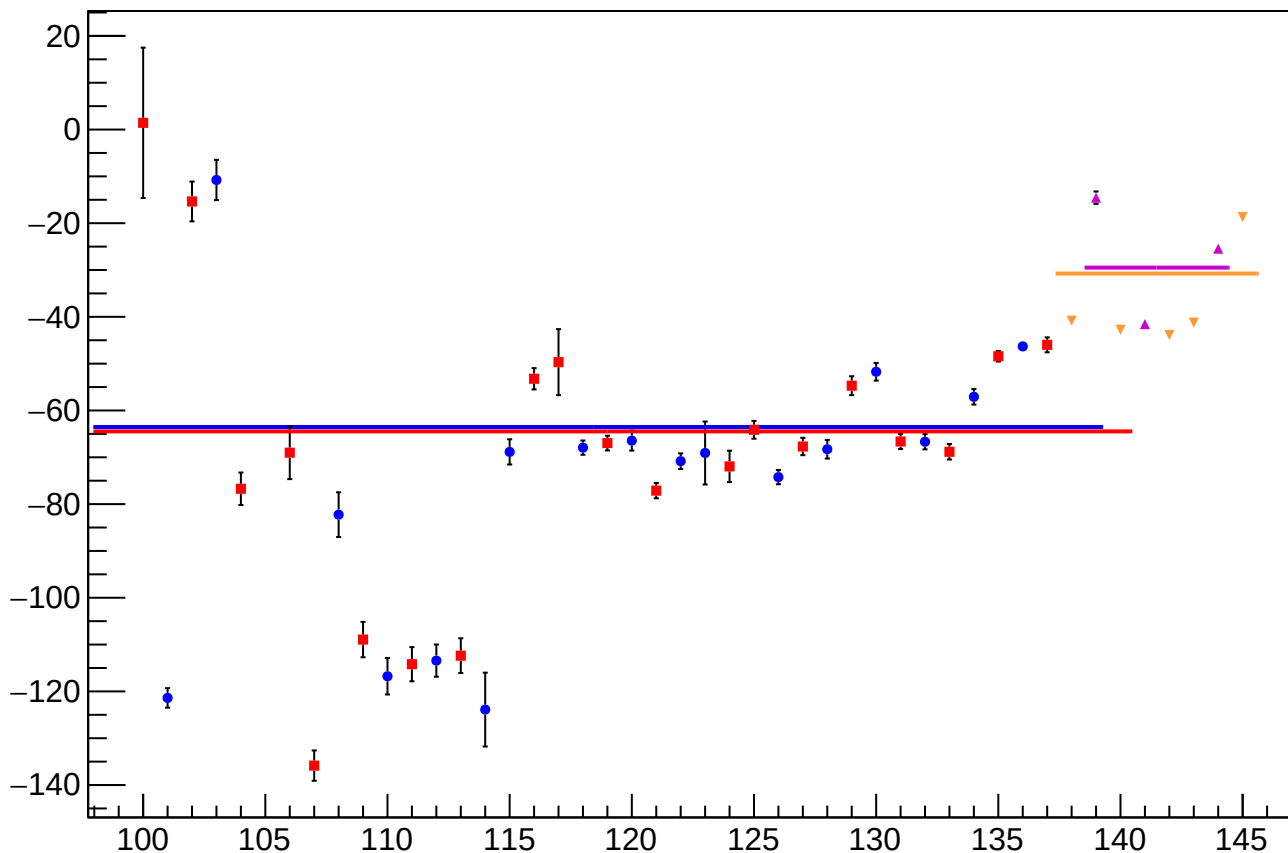
Right Out: -49.579 ± 0.796 χ^2/NDF : 510.0/19

Left In: -45.942 ± 0.340 χ^2/NDF : 1203.5/2

-45.101 ± 0.254 χ^2/NDF : 1895.4/21

-46.502 ± 0.312 χ^2/NDF : 1731.1/22

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: -30.762 $\pm$ 0.233 χ^2 /NDF: 2555.8/4

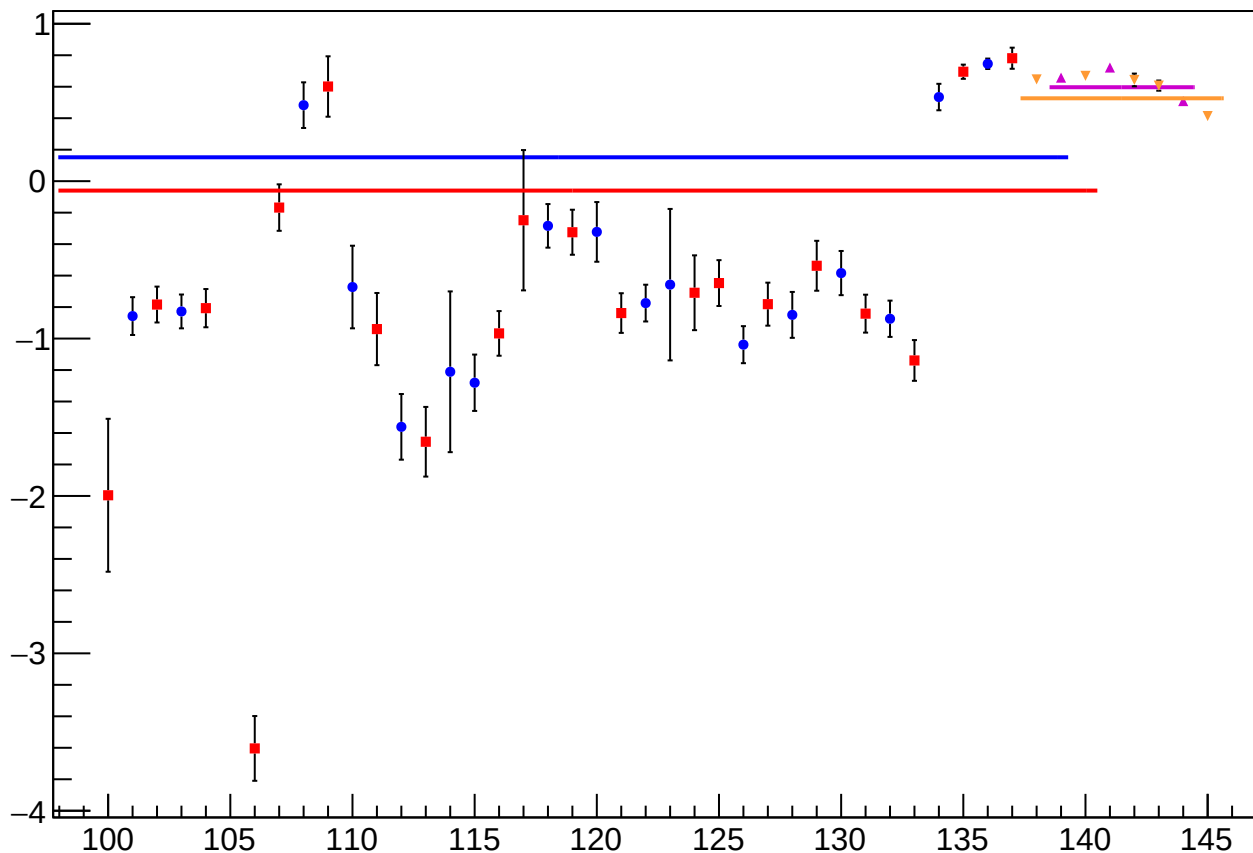
Right Out: -64.470 $\pm$ 0.482 χ^2 /NDF: 1607.5/19

Left In: -29.489 $\pm$ 0.288 χ^2 /NDF: 754.5/2

-37.725 $\pm$ 0.207 χ^2 /NDF: 8765.9/21

-38.717 $\pm$ 0.247 χ^2 /NDF: 6242.6/22

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 $\pm$ 0.024 χ^2 /NDF: 987.4/16

Left Out: 0.526 $\pm$ 0.011 χ^2 /NDF: 115.2/4

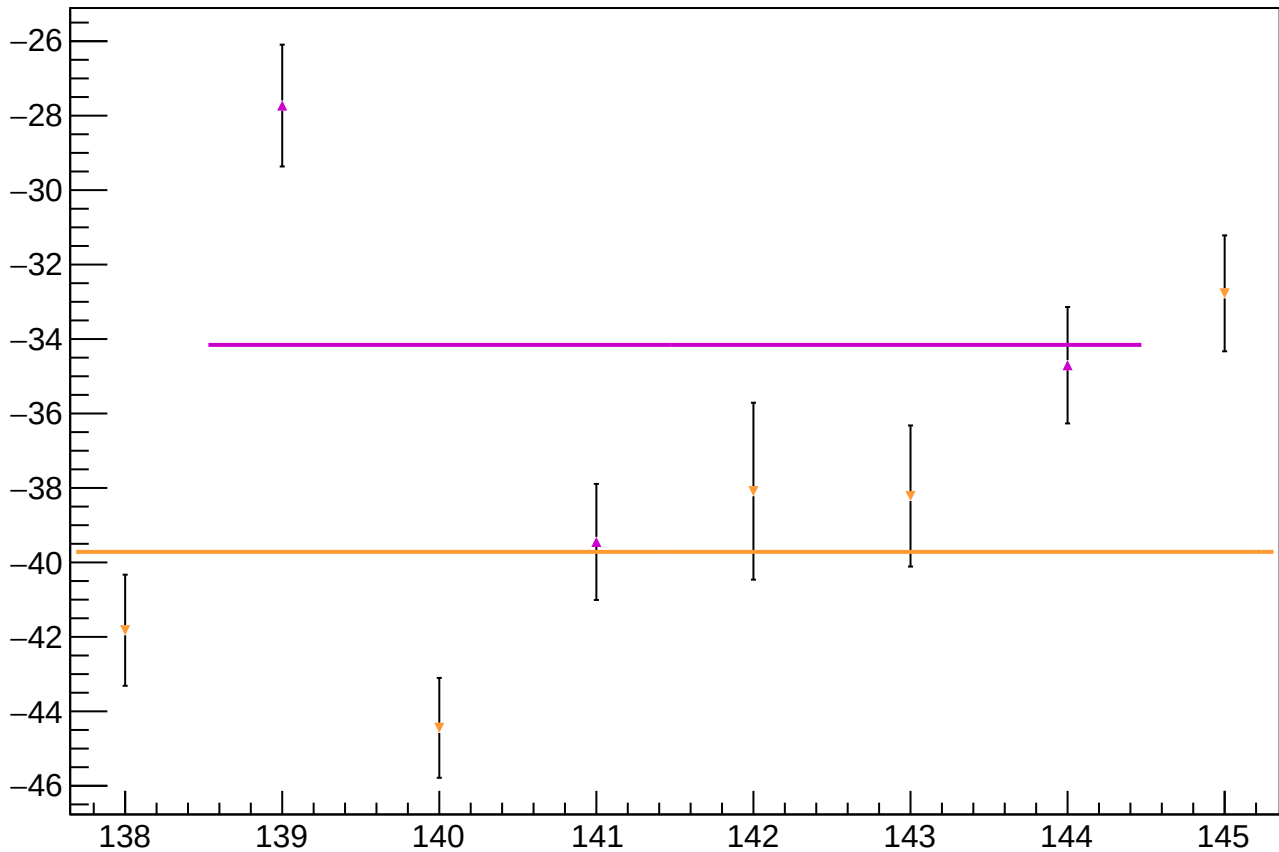
Right Out: -0.060 $\pm$ 0.026 χ^2 /NDF: 1162.1/19

Left In: 0.597 $\pm$ 0.014 χ^2 /NDF: 46.5/2

0.463 $\pm$ 0.010 χ^2 /NDF: 1304.4/21

0.454 $\pm$ 0.012 χ^2 /NDF: 1698.4/22

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -39.717+/-0.731 χ^2/NDF : 35.4/4

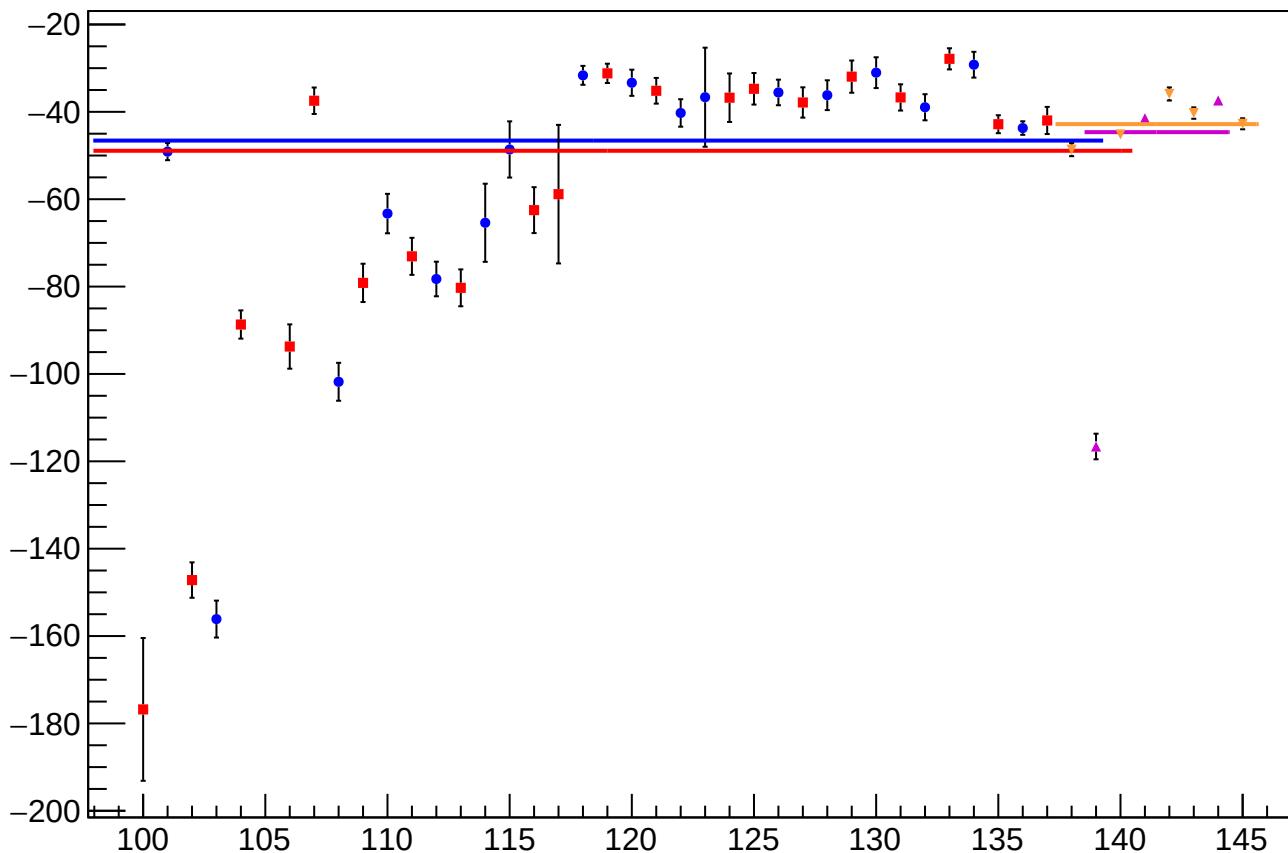
-39.717+/-0.731 χ^2/NDF : 35.4/4

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

-34.157+/-0.915 χ^2/NDF : 27.1/2

Left In: -34.157+/-0.915 χ^2/NDF : 27.1/2

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579+/-0.730 χ^2/NDF : 1076.4/16

Left Out: -42.812+/-0.583 χ^2/NDF : 45.1/4

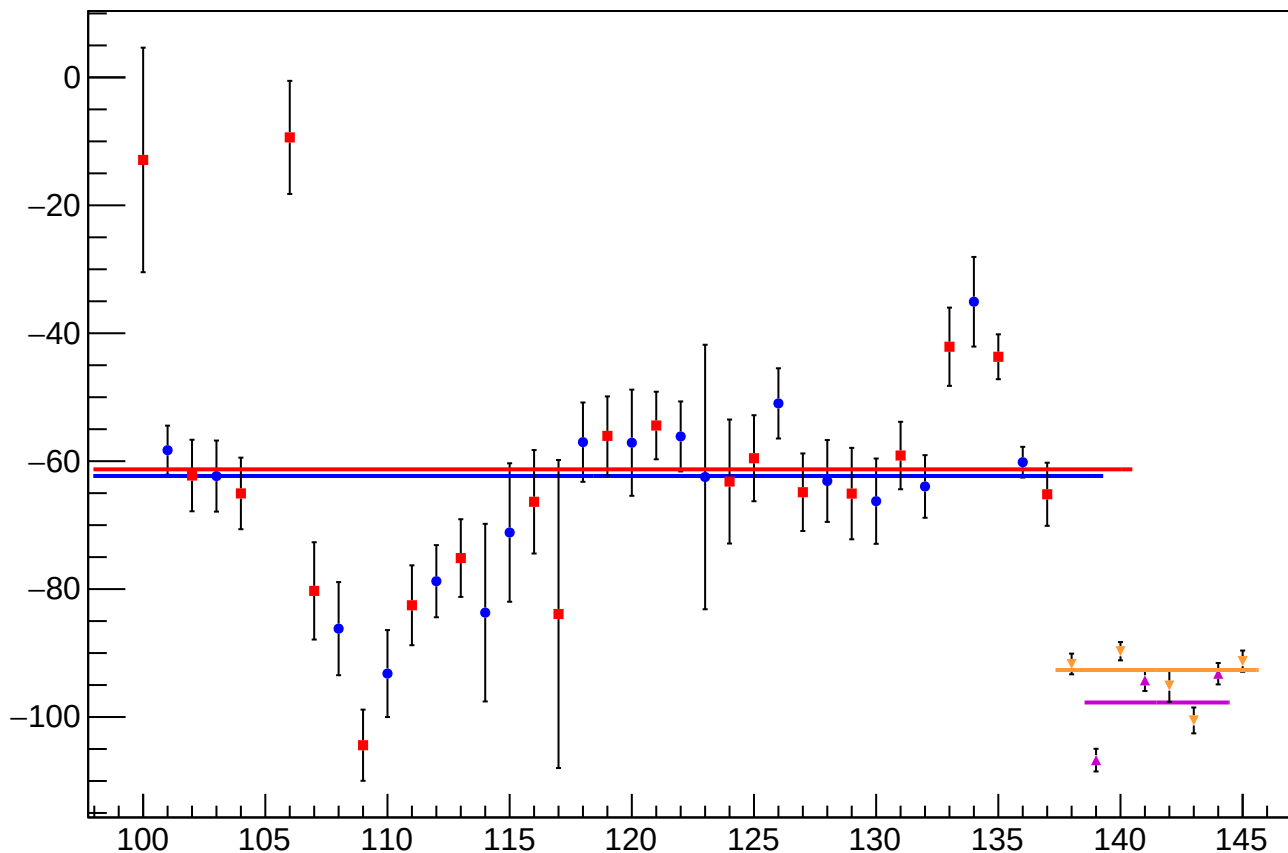
Right Out: -48.911+/-0.763 χ^2/NDF : 1277.9/19

Left In: -44.646+/-0.761 χ^2/NDF : 653.3/2

-44.280+/-0.456 χ^2/NDF : 1137.7/21

-46.773+/-0.539 χ^2/NDF : 1946.8/22

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -92.648 ± 0.782 χ^2/NDF : 21.4/4

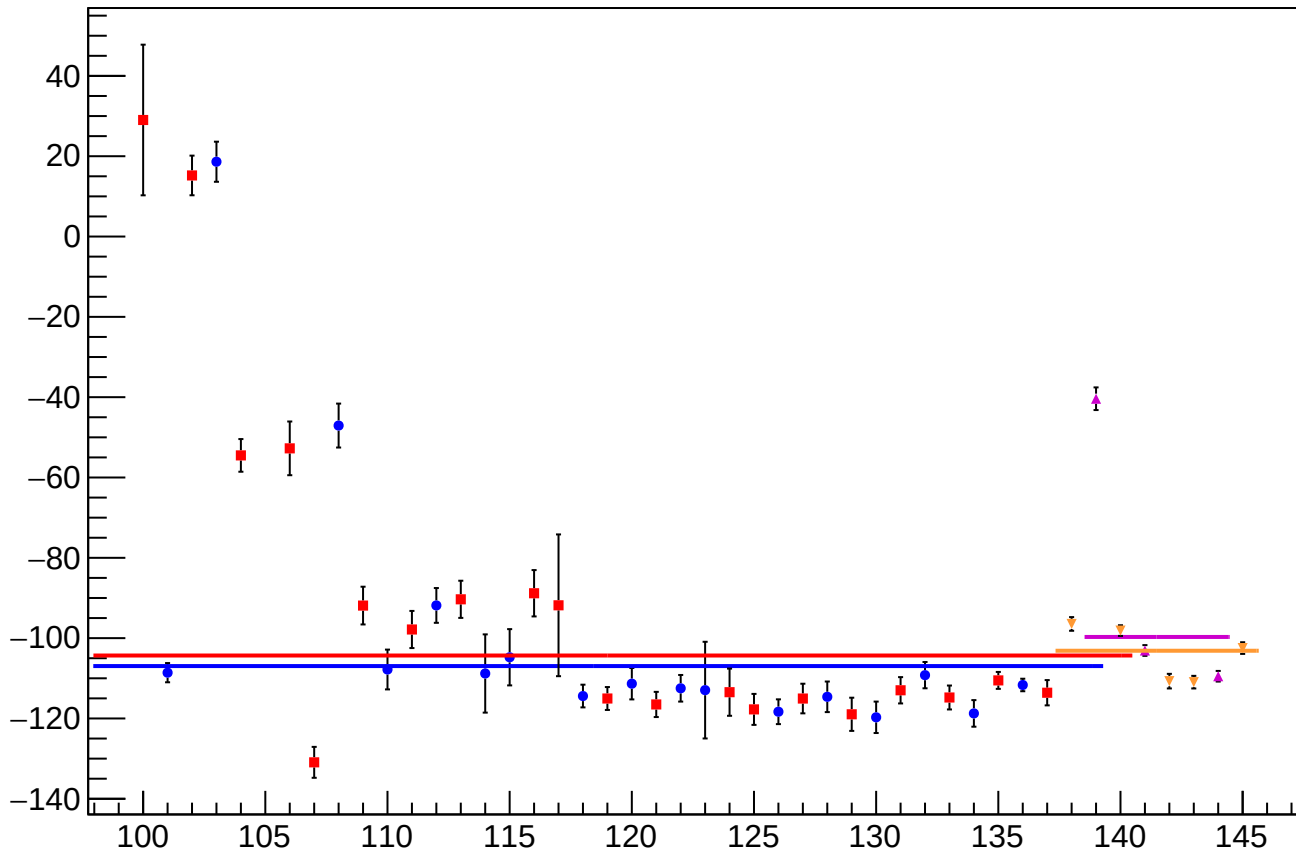
Right Out: -61.277 ± 1.379 χ^2/NDF : 165.9/19

Left In: -97.729 ± 0.981 χ^2/NDF : 37.4/2

-84.731 ± 0.672 χ^2/NDF : 481.3/21

-85.479 ± 0.799 χ^2/NDF : 667.4/22

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -103.137 ± 0.691 $\chi^2/\text{NDF}: 72.0/4$

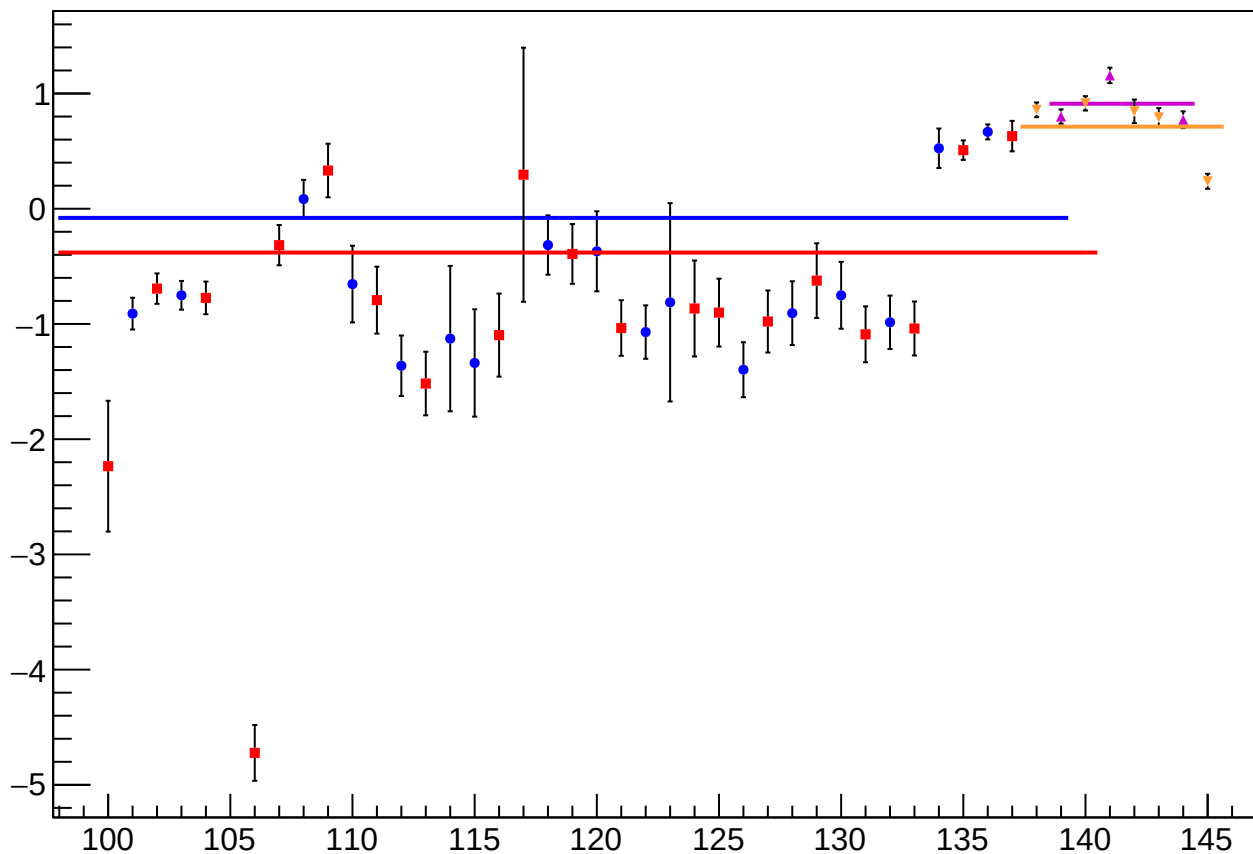
Right Out: -104.326 ± 0.860 $\chi^2/\text{NDF}: 1021.5/19$

Left In: -99.704 ± 0.893 $\chi^2/\text{NDF}: 503.4/2$

-104.729 ± 0.528 $\chi^2/\text{NDF}: 912.0/21$

-102.100 ± 0.619 $\chi^2/\text{NDF}: 1538.8/22$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.712 ± 0.032 χ^2/NDF : 72.0/4

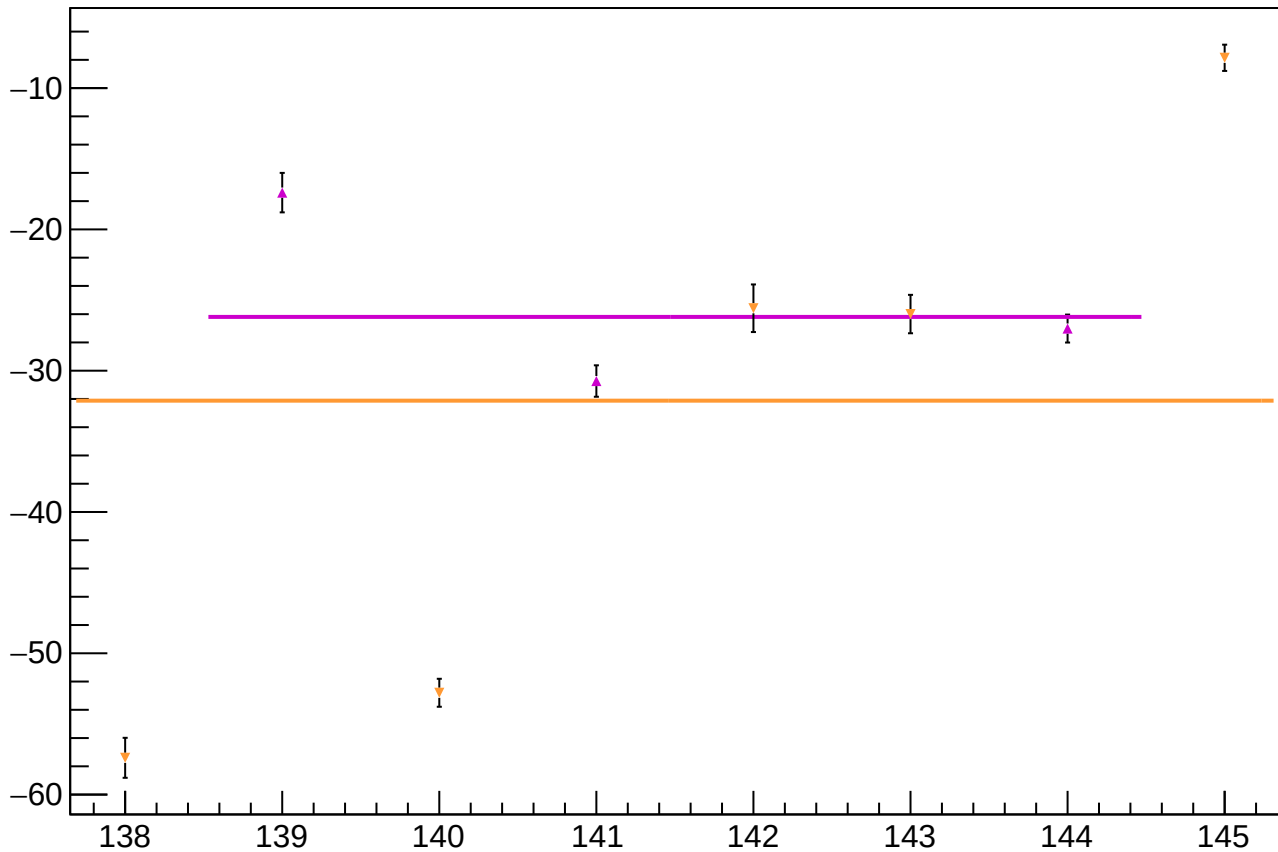
Right Out: -0.380 ± 0.044 χ^2/NDF : 580.9/19

Left In: 0.911 ± 0.039 χ^2/NDF : 20.3/2

0.426 ± 0.025 χ^2/NDF : 624.7/21

0.349 ± 0.029 χ^2/NDF : 1087.8/22

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -32.121+/-0.529 χ^2/NDF : 1472.3/4

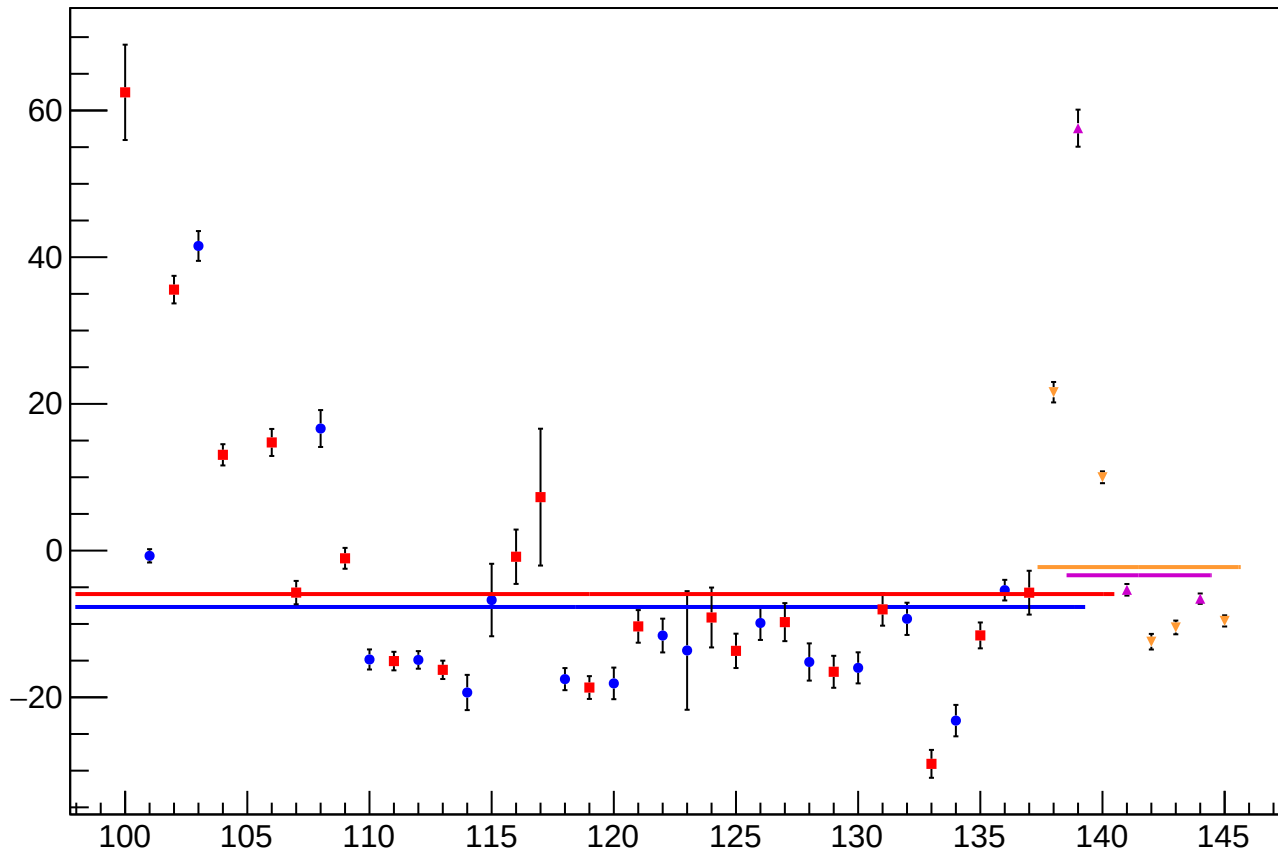
-32.121+/-0.529 χ^2/NDF : 1472.3/4

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

-26.193+/-0.653 χ^2/NDF : 57.0/2

Left In: -26.193+/-0.653 χ^2/NDF : 57.0/2

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -2.246 ± 0.416 χ^2/NDF : 783.3/4

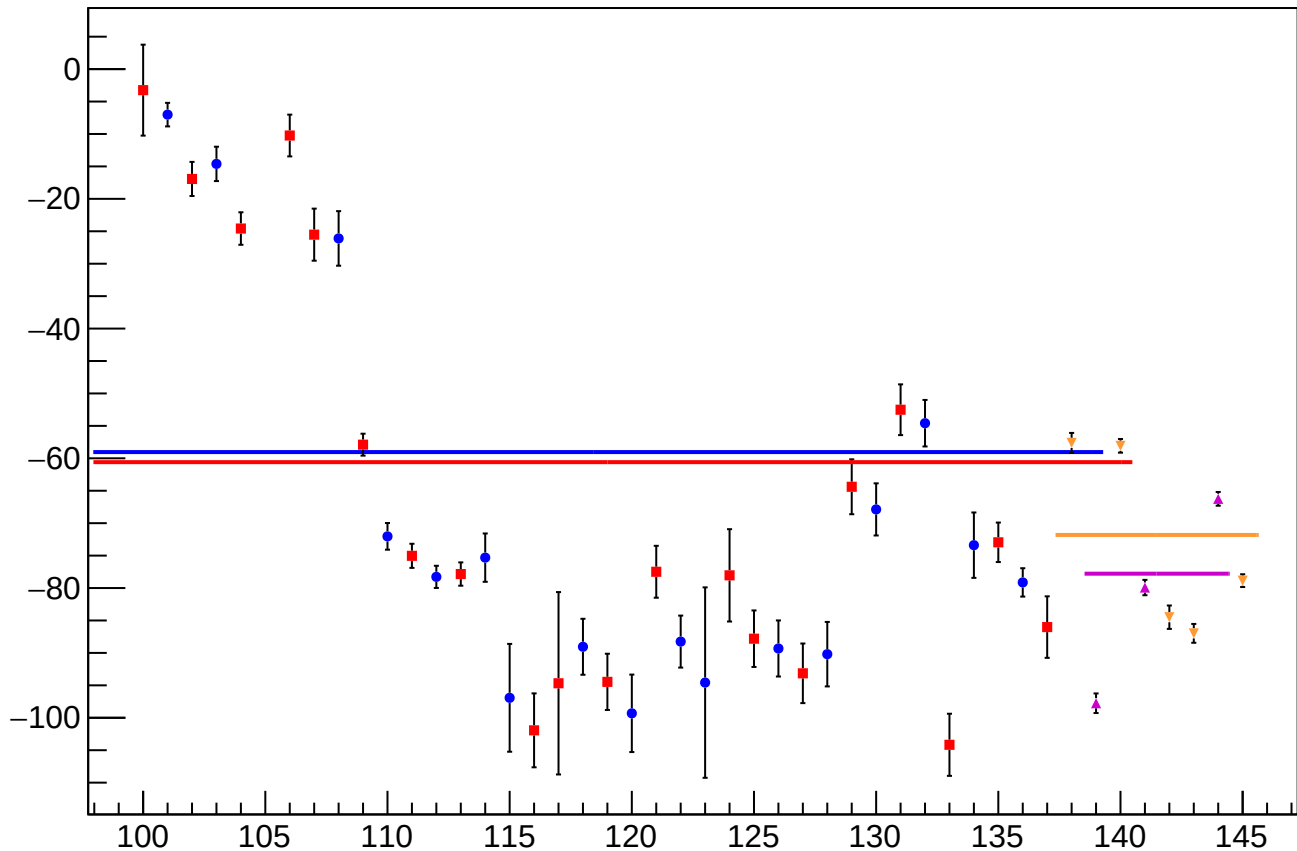
Right Out: -5.925 ± 0.428 χ^2/NDF : 1300.1/19

Left In: -3.363 ± 0.516 χ^2/NDF : 608.5/2

-4.873 ± 0.299 χ^2/NDF : 1842.0/21

-4.880 ± 0.330 χ^2/NDF : 1923.2/22

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: -71.814 $\pm$ 0.564 χ^2 /NDF: 465.5/4

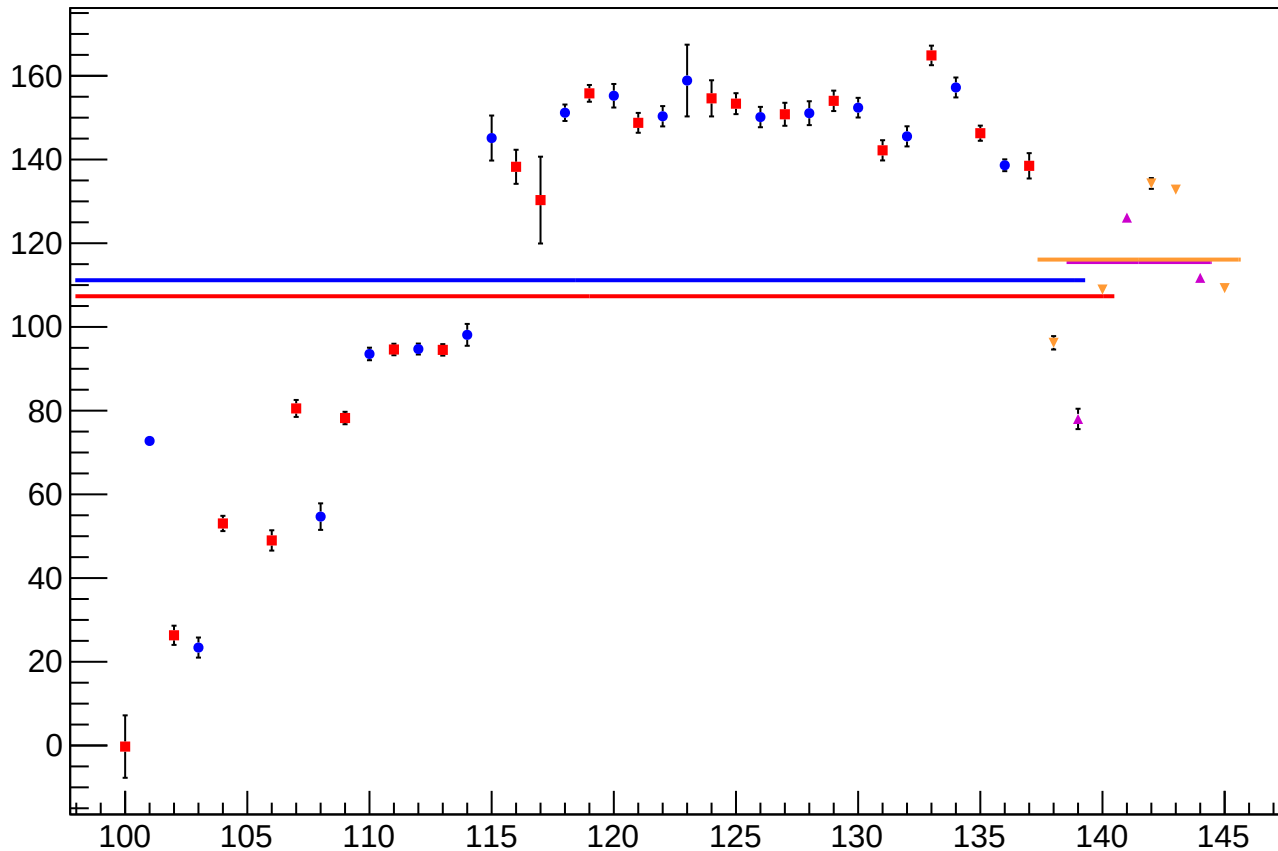
Right Out: -60.593 $\pm$ 0.704 χ^2 /NDF: 1390.7/19

Left In: -77.786 $\pm$ 0.700 χ^2 /NDF: 296.5/2

-67.162 $\pm$ 0.450 χ^2 /NDF: 2361.6/21

-69.236 $\pm$ 0.496 χ^2 /NDF: 1987.4/22

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.160+/-0.489 χ^2/NDF : 5877.6/16

Left Out: 116.093+/-0.492 χ^2/NDF : 687.6/4

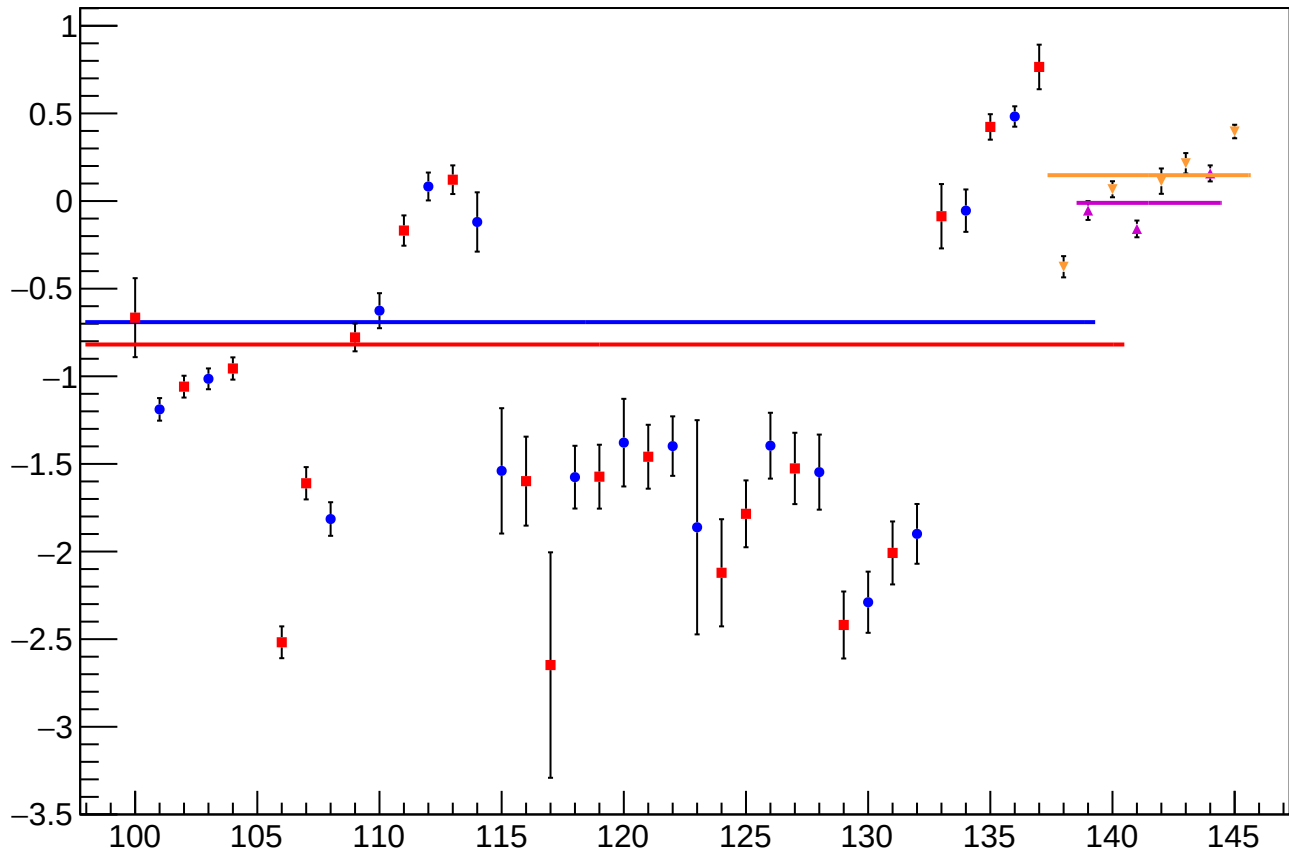
Right Out: 107.334+/-0.487 χ^2/NDF : 7060.0/19

Left In: 115.502+/-0.609 χ^2/NDF : 381.7/2

113.611+/-0.347 χ^2/NDF : 6615.8/21

110.521+/-0.380 χ^2/NDF : 7551.4/22

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

-0.222 ± 0.017 χ^2/NDF : 1701.8/21

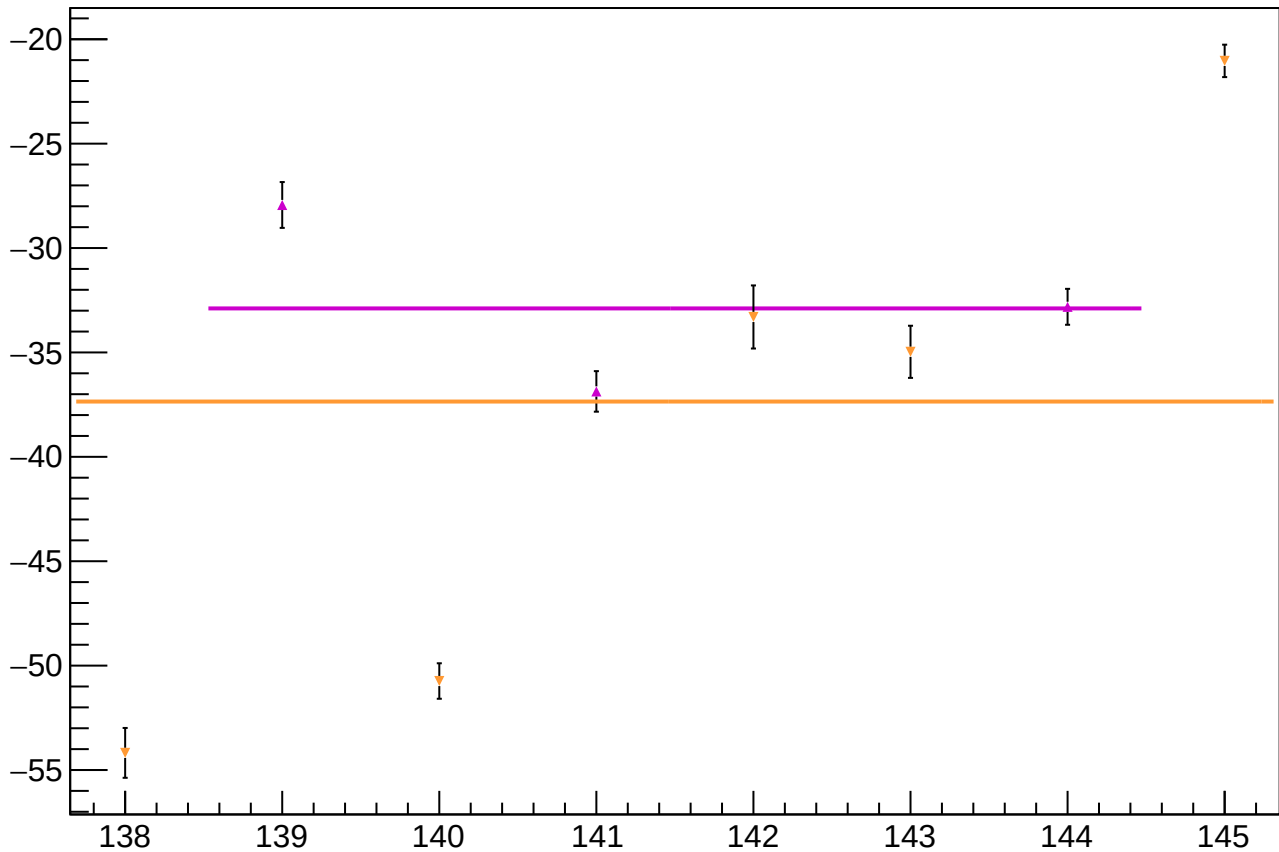
Left Out: 0.148 ± 0.023 χ^2/NDF : 120.7/4

Right Out: -0.819 ± 0.024 χ^2/NDF : 1312.5/19

-0.472 ± 0.018 χ^2/NDF : 1808.2/22

Left In: -0.010 ± 0.028 χ^2/NDF : 23.9/2

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -37.352+/-0.455 χ^2/NDF : 898.8/4

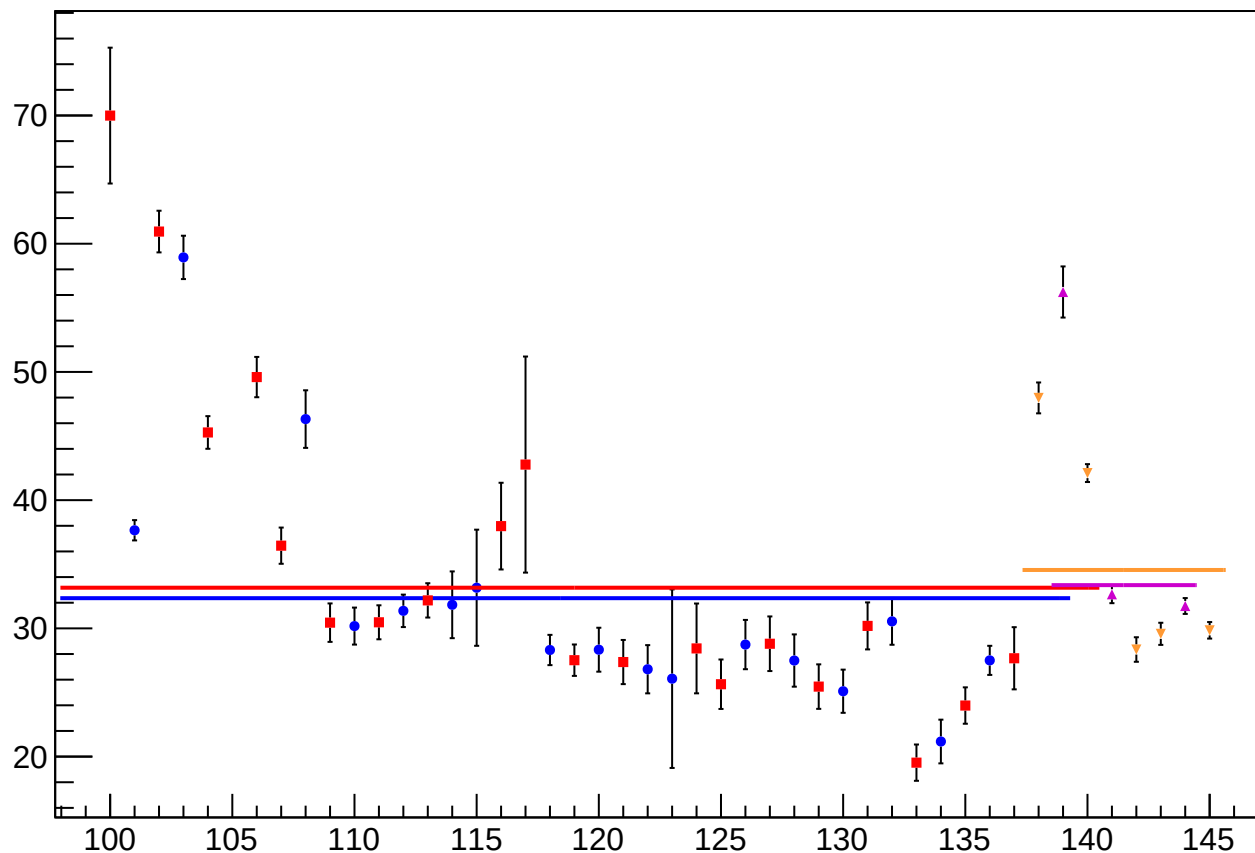
-37.352+/-0.455 χ^2/NDF : 898.8/4

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

-32.892+/-0.555 χ^2/NDF : 37.1/2

Left In: -32.892+/-0.555 χ^2/NDF : 37.1/2

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 34.555 ± 0.363 $\chi^2/\text{NDF}: 370.2/4$

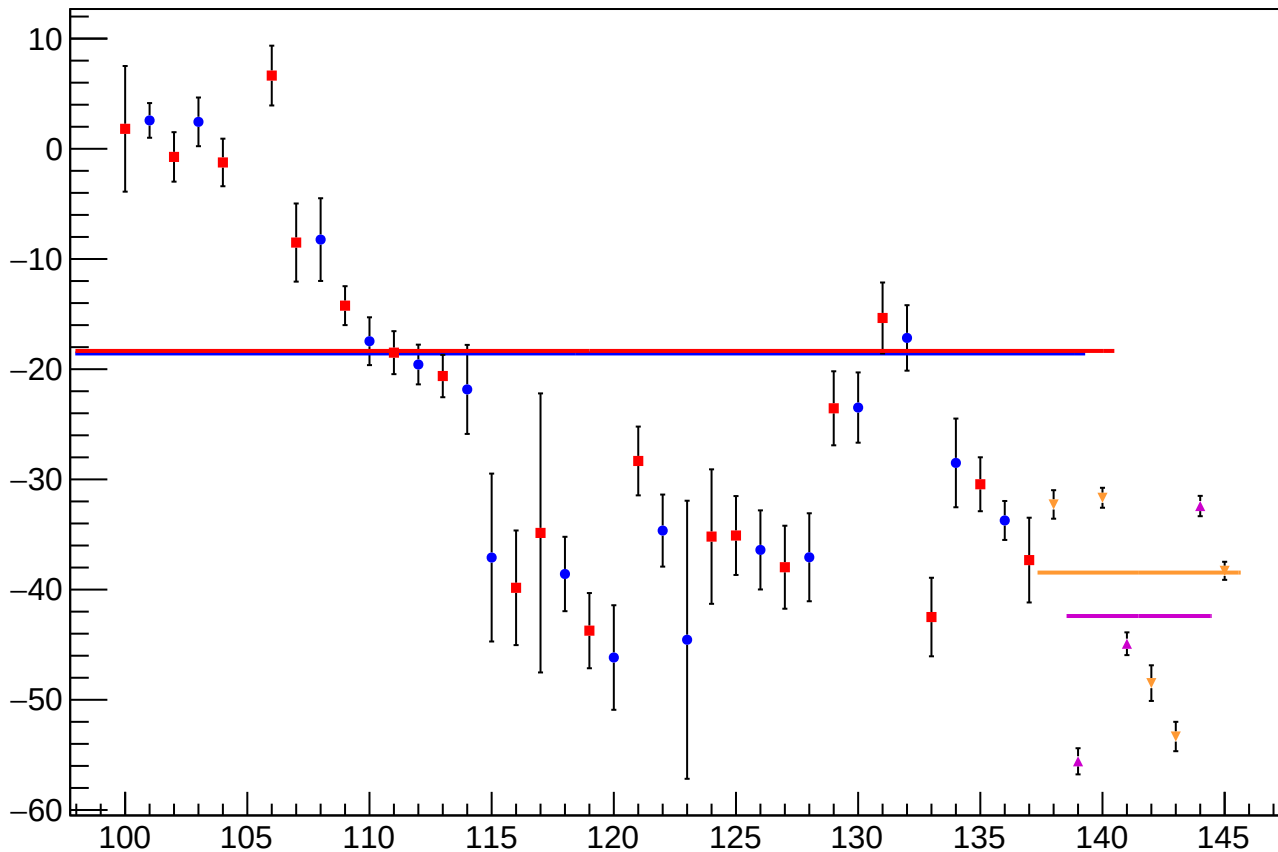
Right Out: 33.172 ± 0.378 $\chi^2/\text{NDF}: 773.3/19$

Left In: 33.373 ± 0.449 $\chi^2/\text{NDF}: 139.5/2$

33.492 ± 0.261 $\chi^2/\text{NDF}: 838.4/21$

33.255 ± 0.289 $\chi^2/\text{NDF}: 912.9/22$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 $\chi^2/\text{NDF}: 511.5/16$

Left Out: -38.456 ± 0.485 $\chi^2/\text{NDF}: 242.1/4$

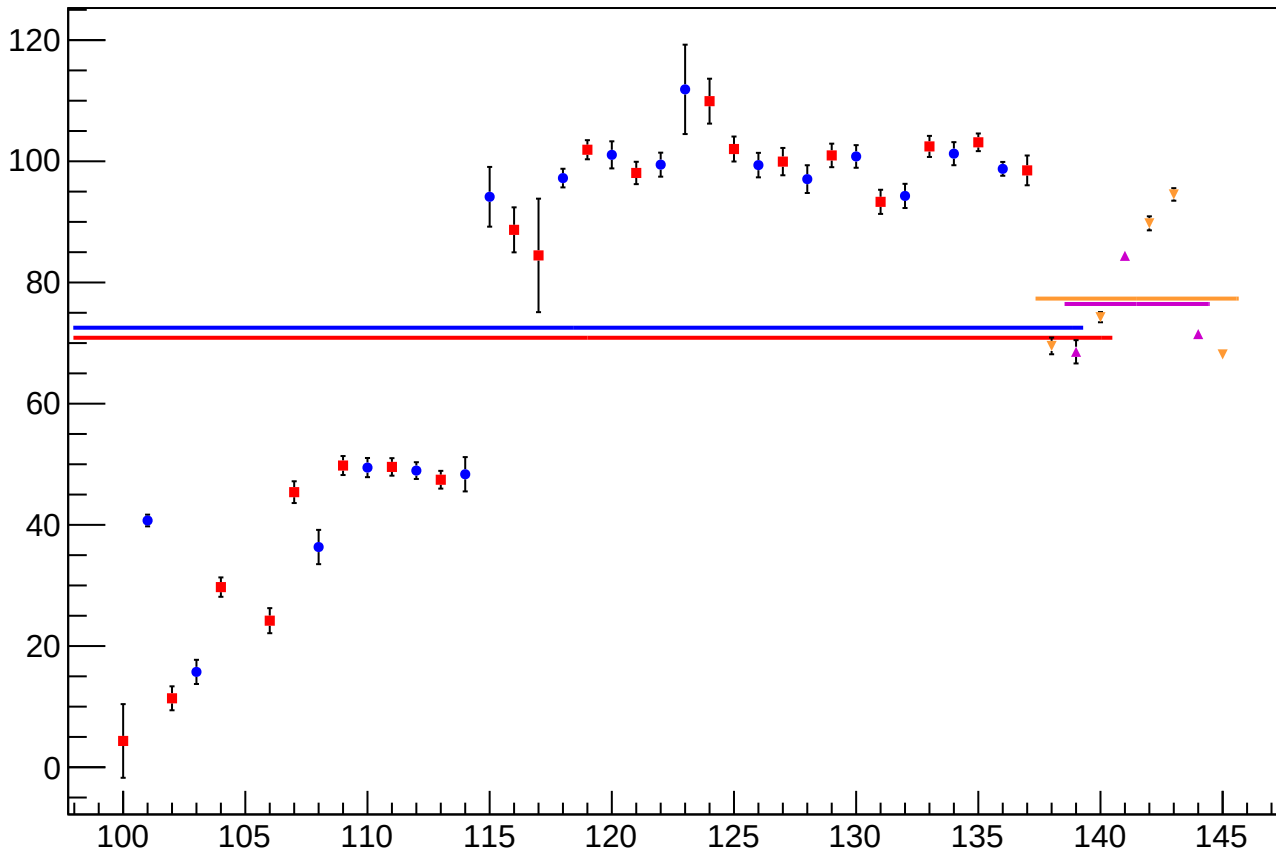
Right Out: -18.343 ± 0.643 $\chi^2/\text{NDF}: 475.1/19$

Left In: -42.397 ± 0.595 $\chi^2/\text{NDF}: 246.4/2$

-31.584 ± 0.392 $\chi^2/\text{NDF}: 1334.4/21$

-31.298 ± 0.437 $\chi^2/\text{NDF}: 1475.2/22$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537+/-0.428 χ^2/NDF : 4684.1/16

Left Out: 77.343+/-0.428 χ^2/NDF : 591.4/4

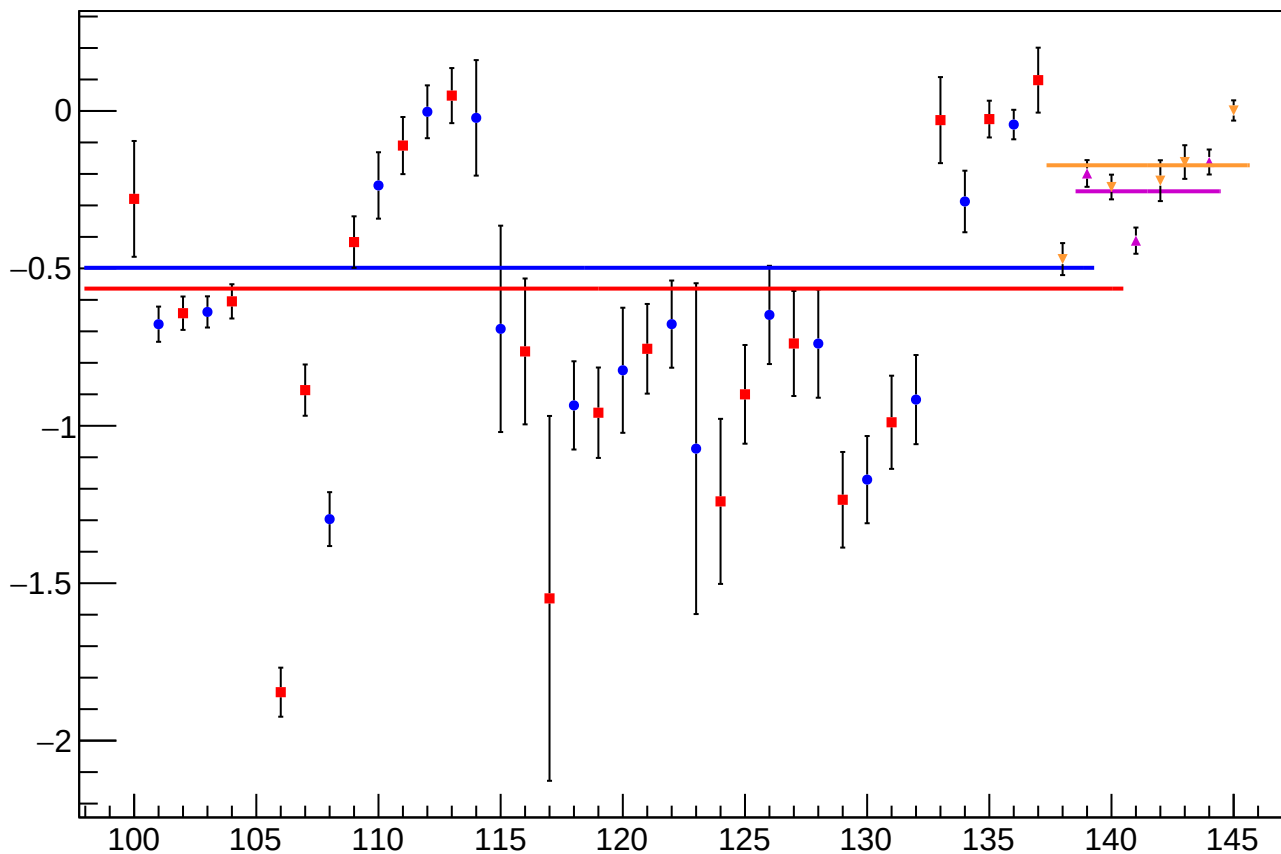
Right Out: 70.878+/-0.433 χ^2/NDF : 5502.3/19

Left In: 76.452+/-0.528 χ^2/NDF : 154.2/2

74.939+/-0.303 χ^2/NDF : 5338.4/21

73.119+/-0.335 χ^2/NDF : 5723.3/22

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.173 ± 0.020 χ^2/NDF : 67.4/4

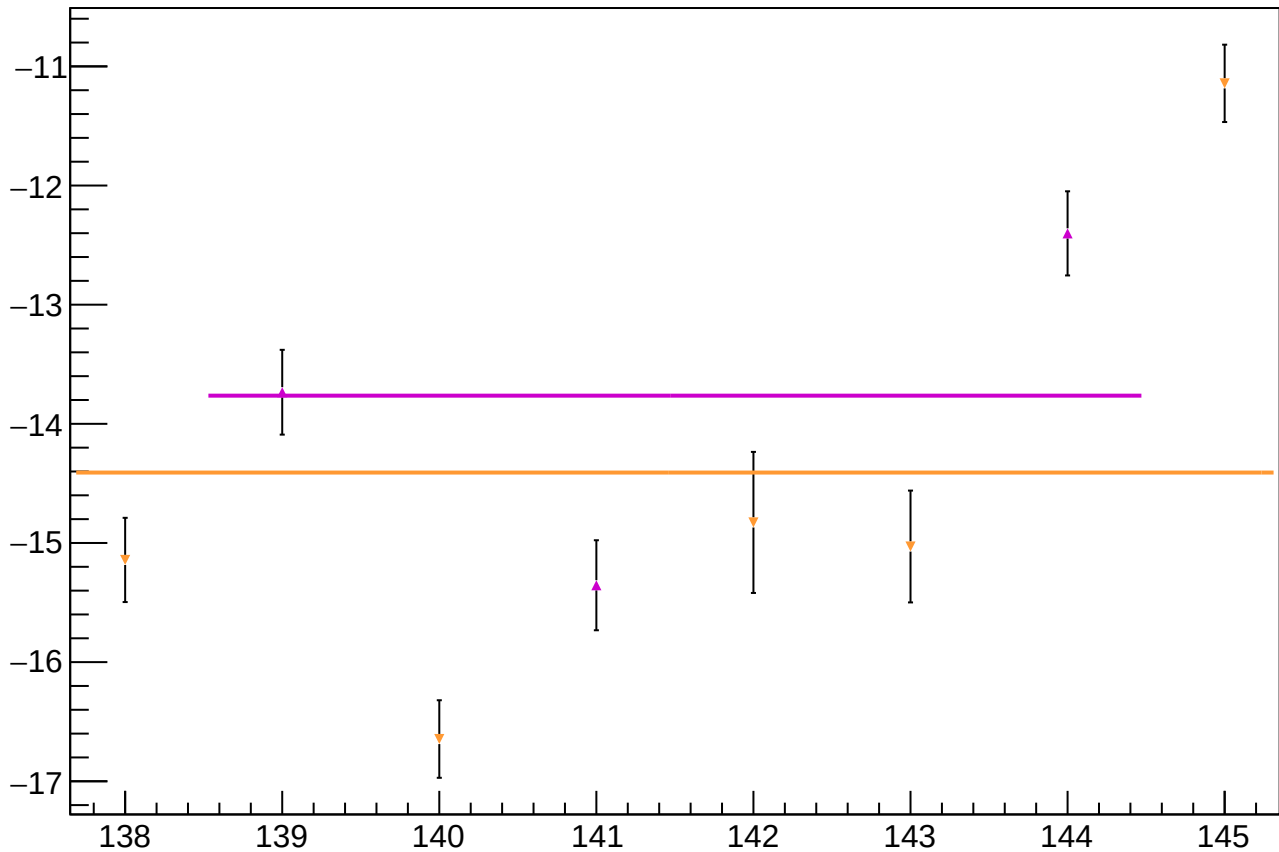
Right Out: -0.564 ± 0.021 χ^2/NDF : 563.6/19

Left In: -0.255 ± 0.024 χ^2/NDF : 21.5/2

-0.315 ± 0.015 χ^2/NDF : 490.0/21

-0.426 ± 0.016 χ^2/NDF : 678.4/22

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



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

Left Out: -14.409 $\pm$ 0.171 χ^2 /NDF:155.0/4

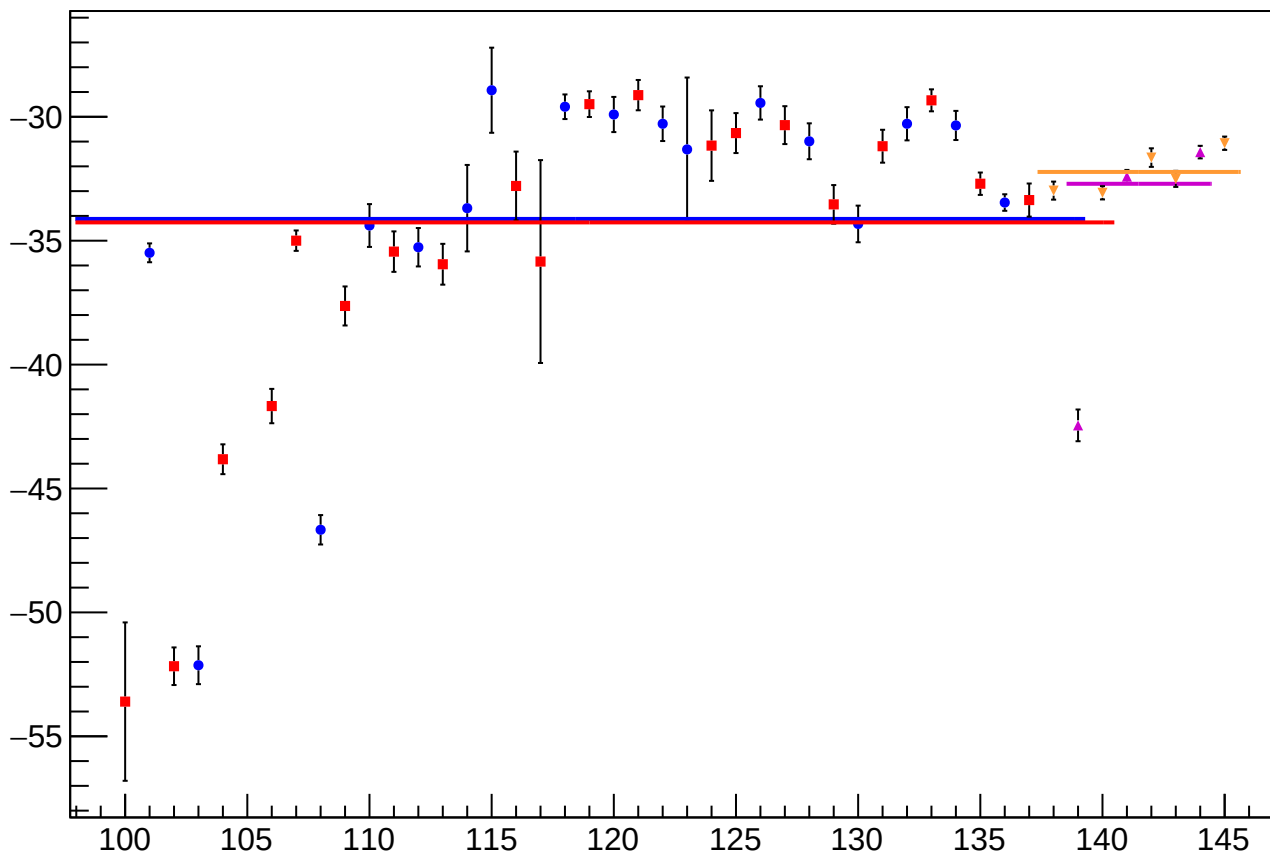
-14.409 $\pm$ 0.171 χ^2 /NDF: 155.0/4

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

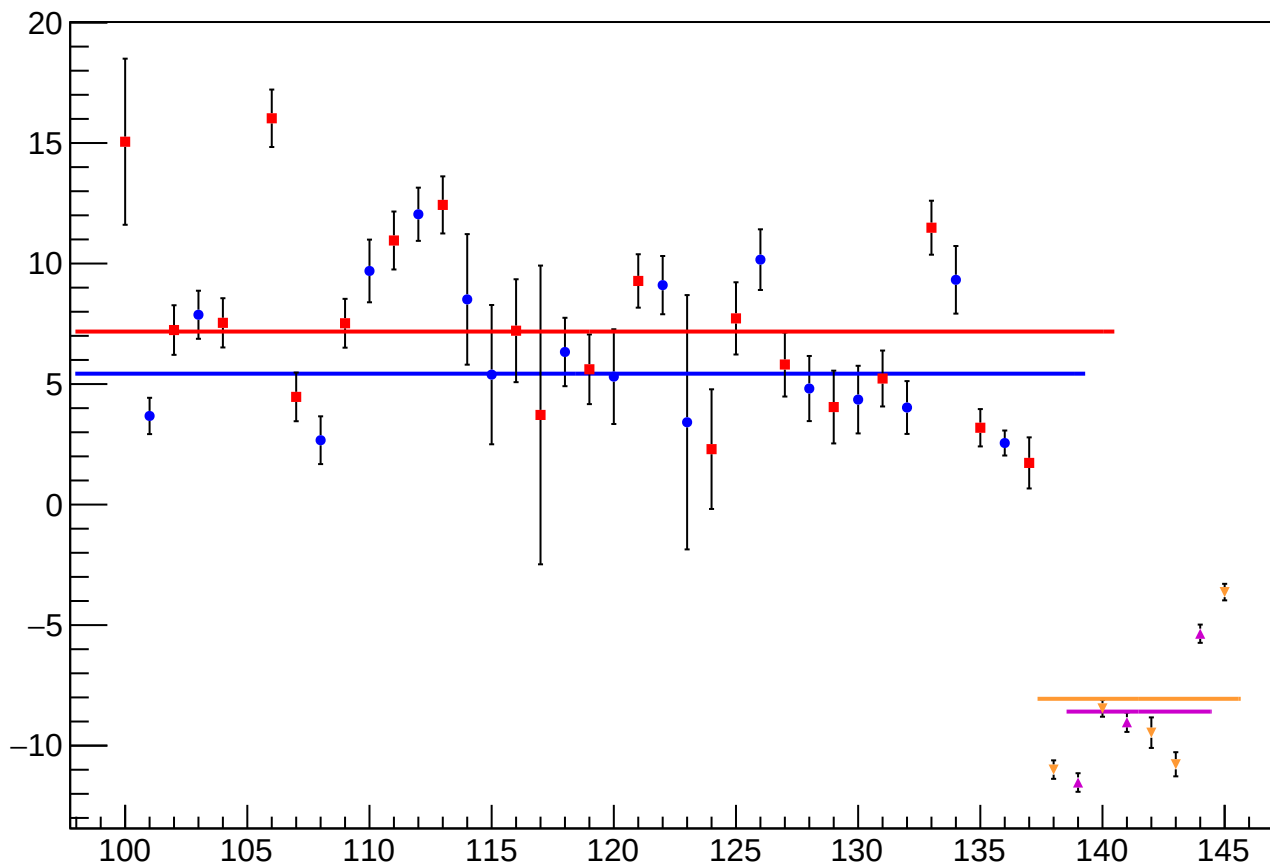
-13.764 $\pm$ 0.209 χ^2 /NDF: 32.6/2

Left In: -13.764 $\pm$ 0.209 χ^2 /NDF:32.6/2

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431+/-0.270 χ^2/NDF : 132.0/16

Left Out: -8.057+/-0.182 χ^2/NDF : 260.8/4

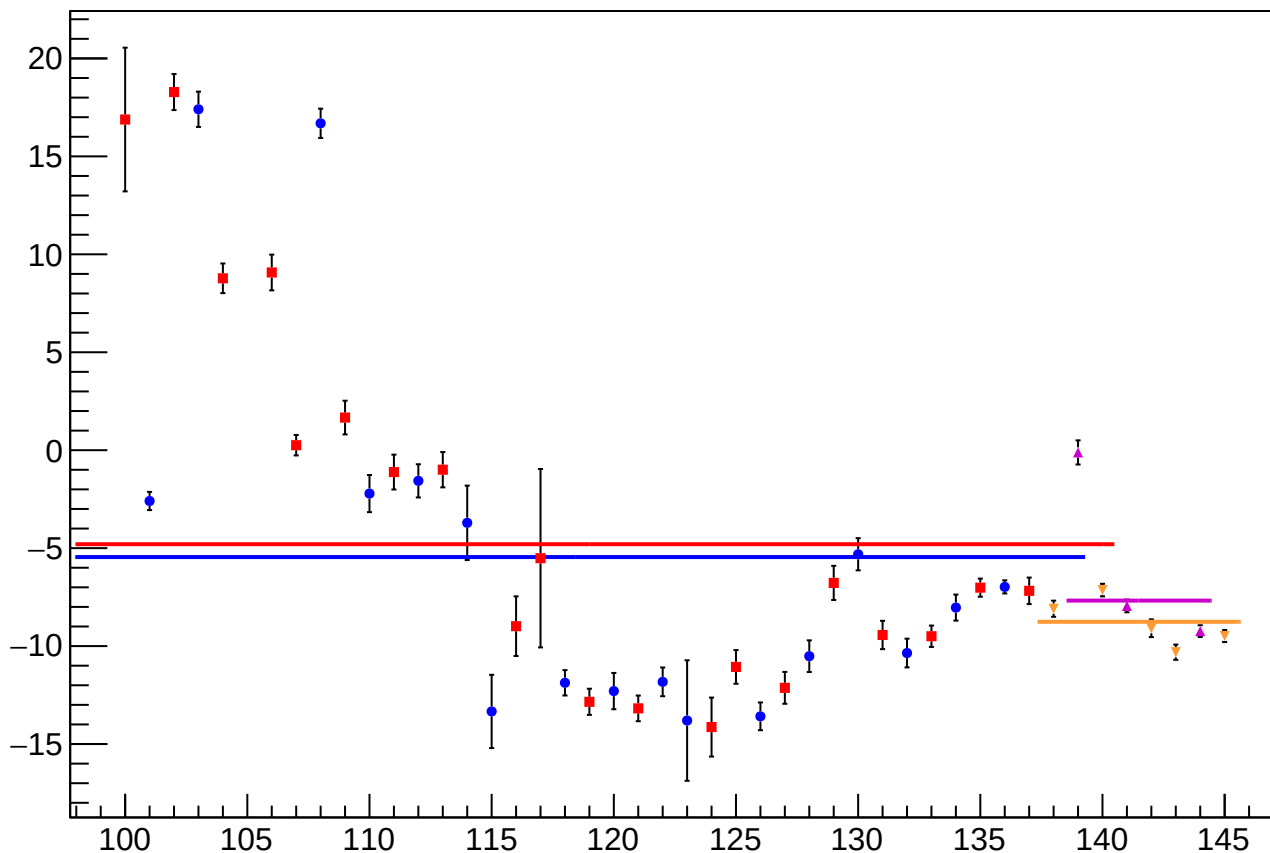
Right Out: 7.178+/-0.274 χ^2/NDF : 182.4/19

Left In: -8.588+/-0.224 χ^2/NDF : 132.4/2

-3.843+/-0.151 χ^2/NDF : 2103.7/21

-2.274+/-0.174 χ^2/NDF : 2297.3/22

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455+/-0.171 χ^2/NDF : 2096.5/16

Left Out: -8.760+/-0.163 χ^2/NDF : 49.7/4

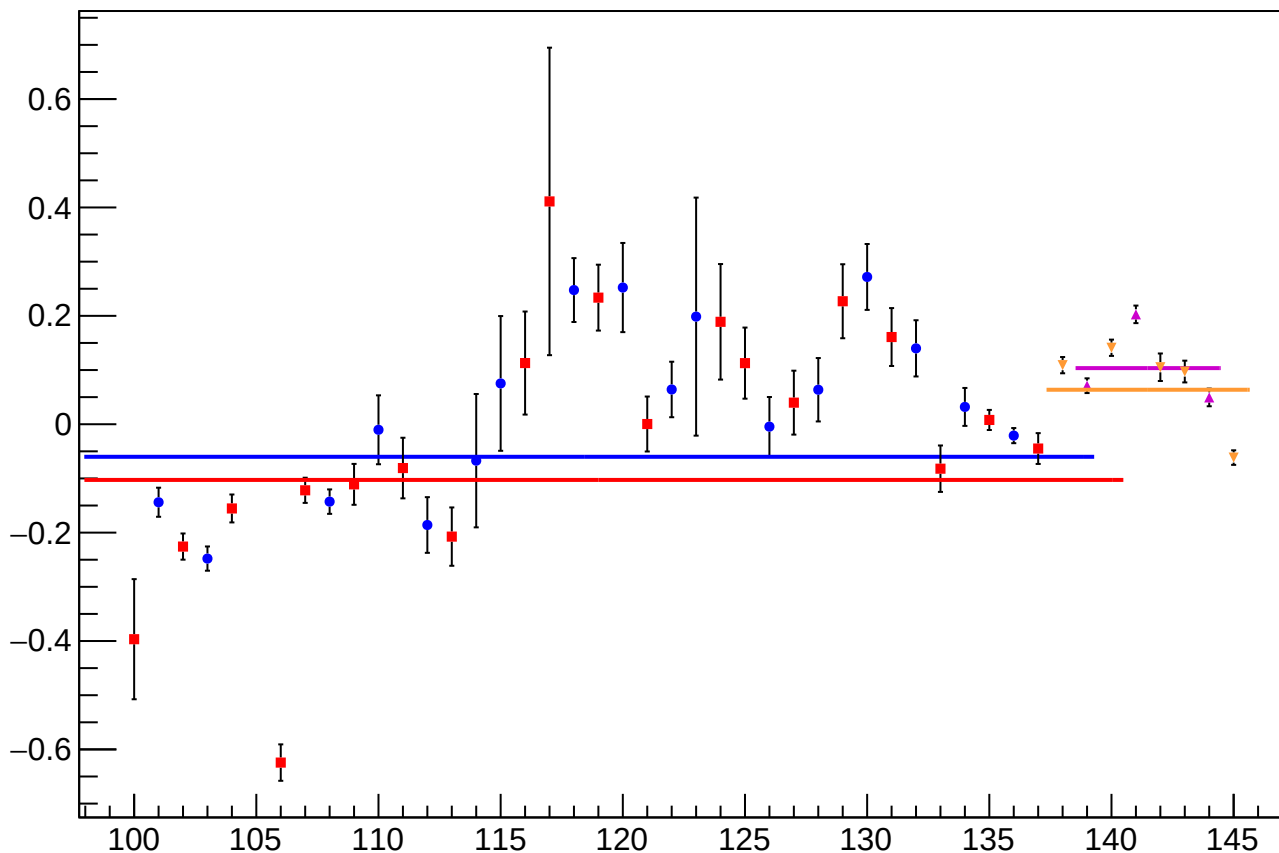
Right Out: -4.799+/-0.173 χ^2/NDF : 2047.5/19

Left In: -7.678+/-0.207 χ^2/NDF : 178.3/2

-7.180+/-0.118 χ^2/NDF : 2341.6/21

-5.978+/-0.133 χ^2/NDF : 2339.5/22

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.064 ± 0.007 χ^2/NDF : 127.9/4

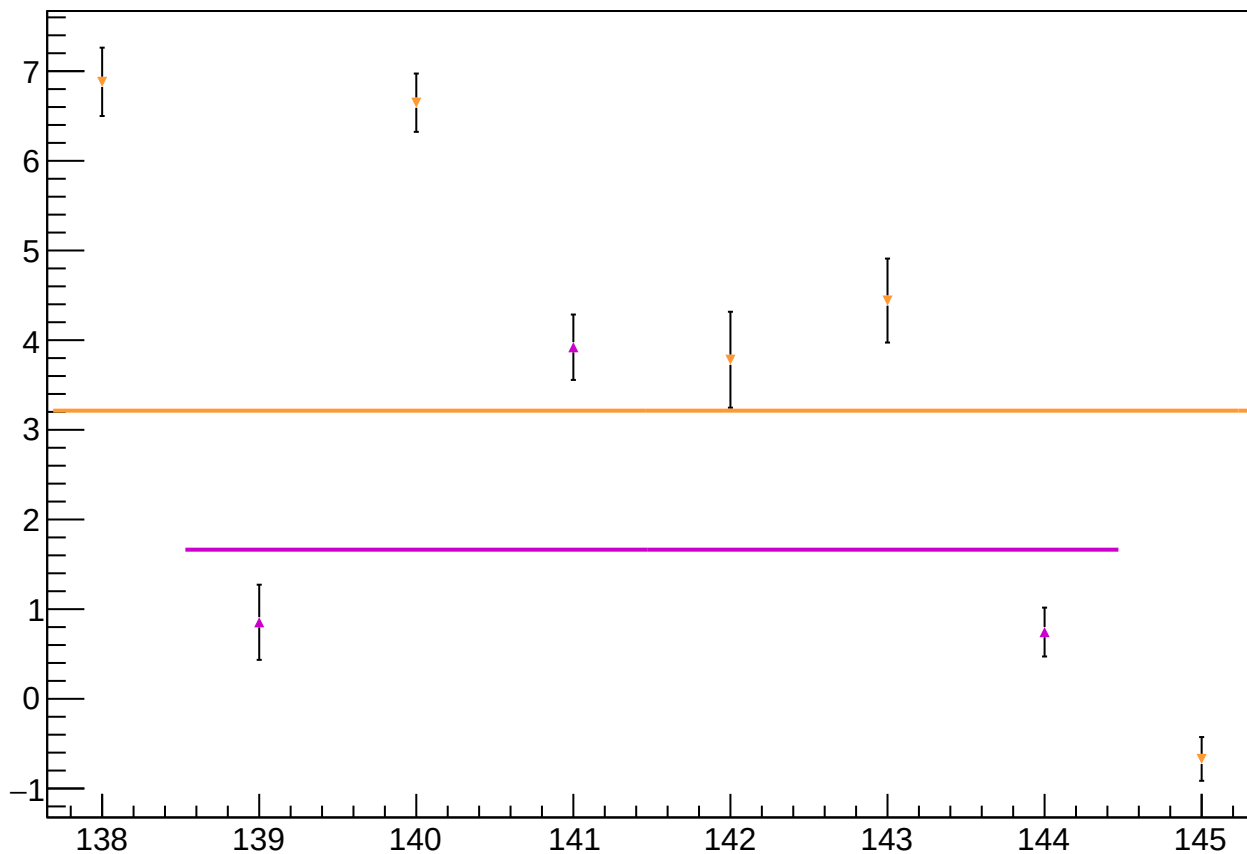
Right Out: -0.103 ± 0.008 χ^2/NDF : 437.6/19

Left In: 0.104 ± 0.009 χ^2/NDF : 54.2/2

0.010 ± 0.006 χ^2/NDF : 465.9/21

-0.004 ± 0.006 χ^2/NDF : 779.1/22

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug

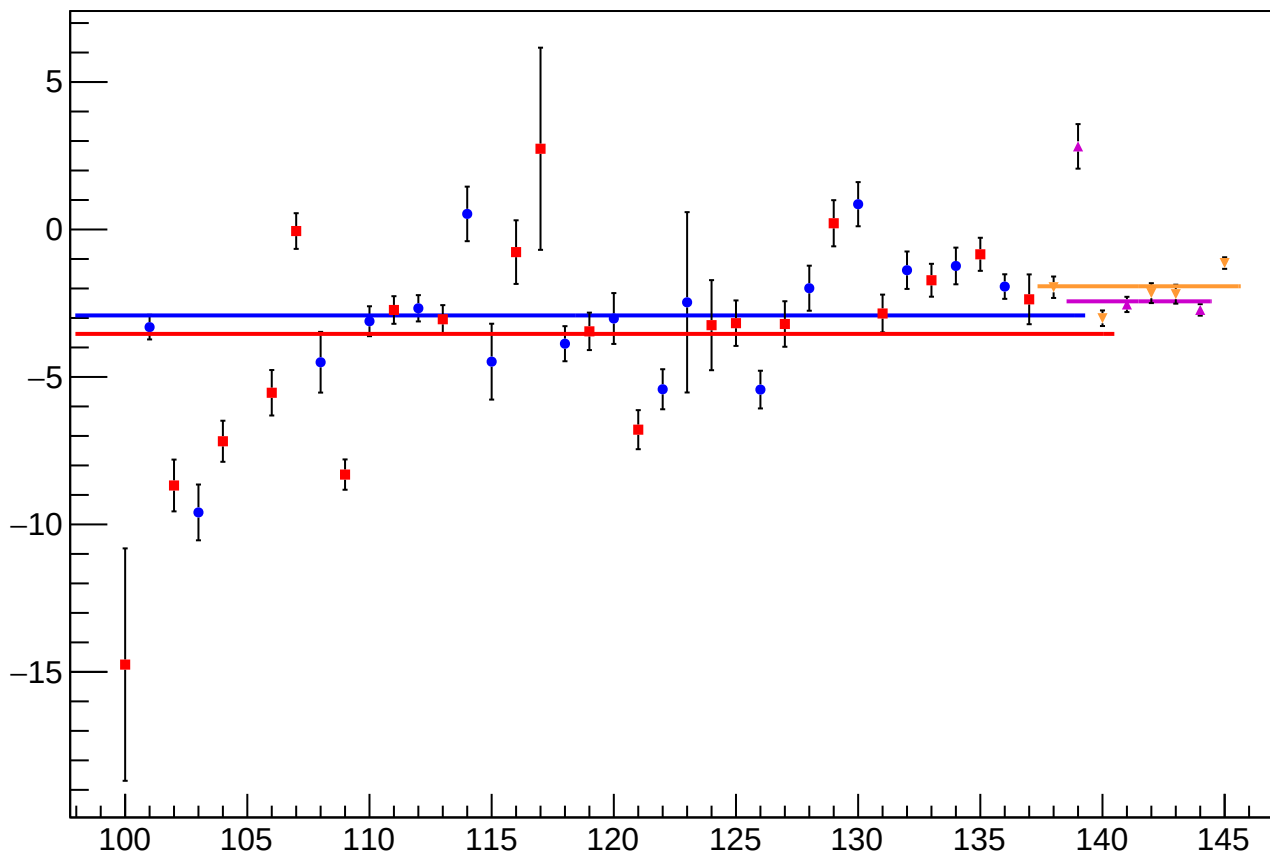


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.214 $\pm$ 0.156 χ^2 /NDF: 465.8/4
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.663 $\pm$ 0.194 χ^2 /NDF: 53.4/2

3.214 $\pm$ 0.156 χ^2 /NDF: 465.8/4

1.663 $\pm$ 0.194 χ^2 /NDF: 53.4/2

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.155 $\chi^2/\text{NDF}: 146.1/16$

Left Out: -1.925 ± 0.123 $\chi^2/\text{NDF}: 34.1/4$

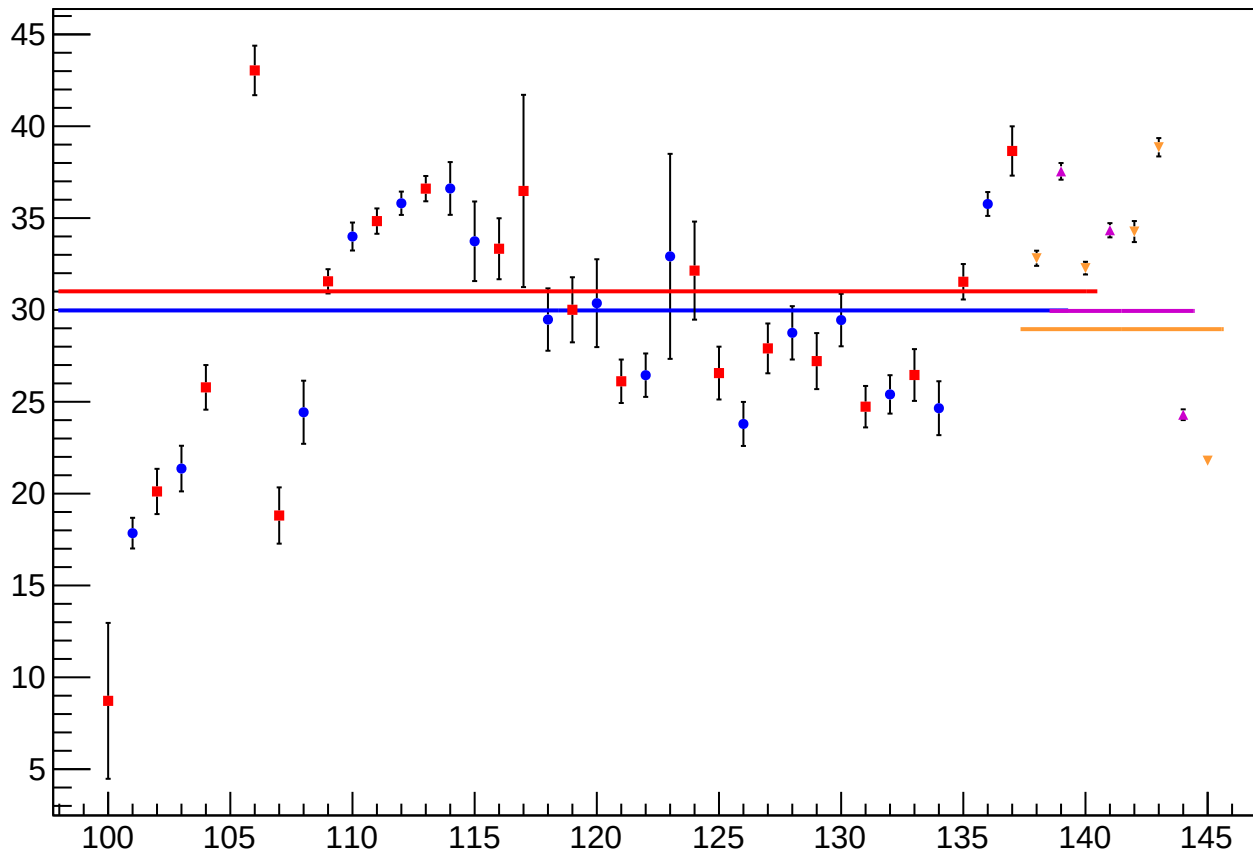
Right Out: -3.540 ± 0.154 $\chi^2/\text{NDF}: 294.2/19$

Left In: -2.436 ± 0.152 $\chi^2/\text{NDF}: 50.8/2$

-2.307 ± 0.096 $\chi^2/\text{NDF}: 205.2/21$

-2.981 ± 0.108 $\chi^2/\text{NDF}: 370.9/22$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 28.954 $\pm$ 0.166 χ^2 /NDF:1417.8/4

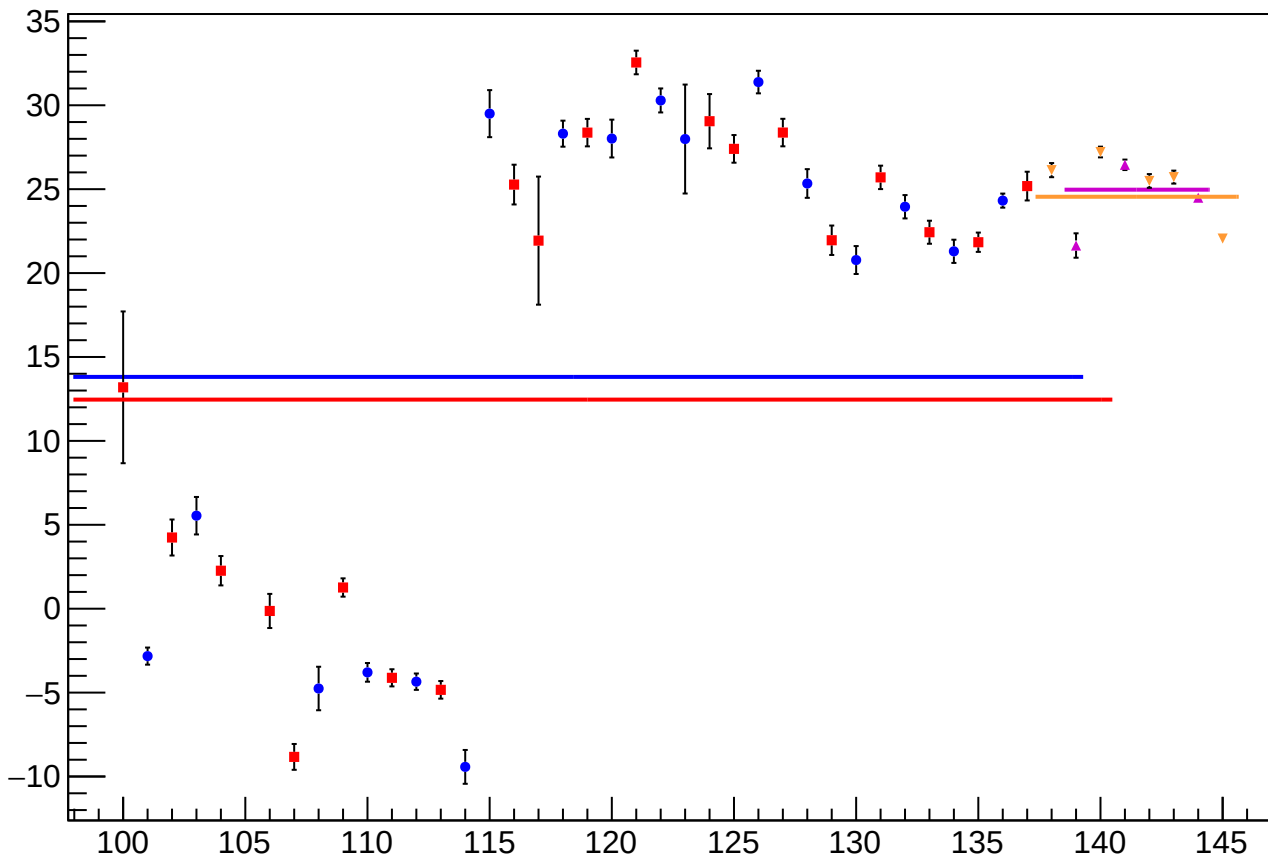
Right Out: 31.013 $\pm$ 0.260 χ^2 /NDF: 480.6/19

Left In: 29.946 $\pm$ 0.208 χ^2 /NDF:782.7/2

29.238 $\pm$ 0.141 χ^2 /NDF: 1982.6/21

30.361 $\pm$ 0.162 χ^2 /NDF: 1273.6/22

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 24.548 $\pm$ 0.145 χ^2 /NDF:219.0/4

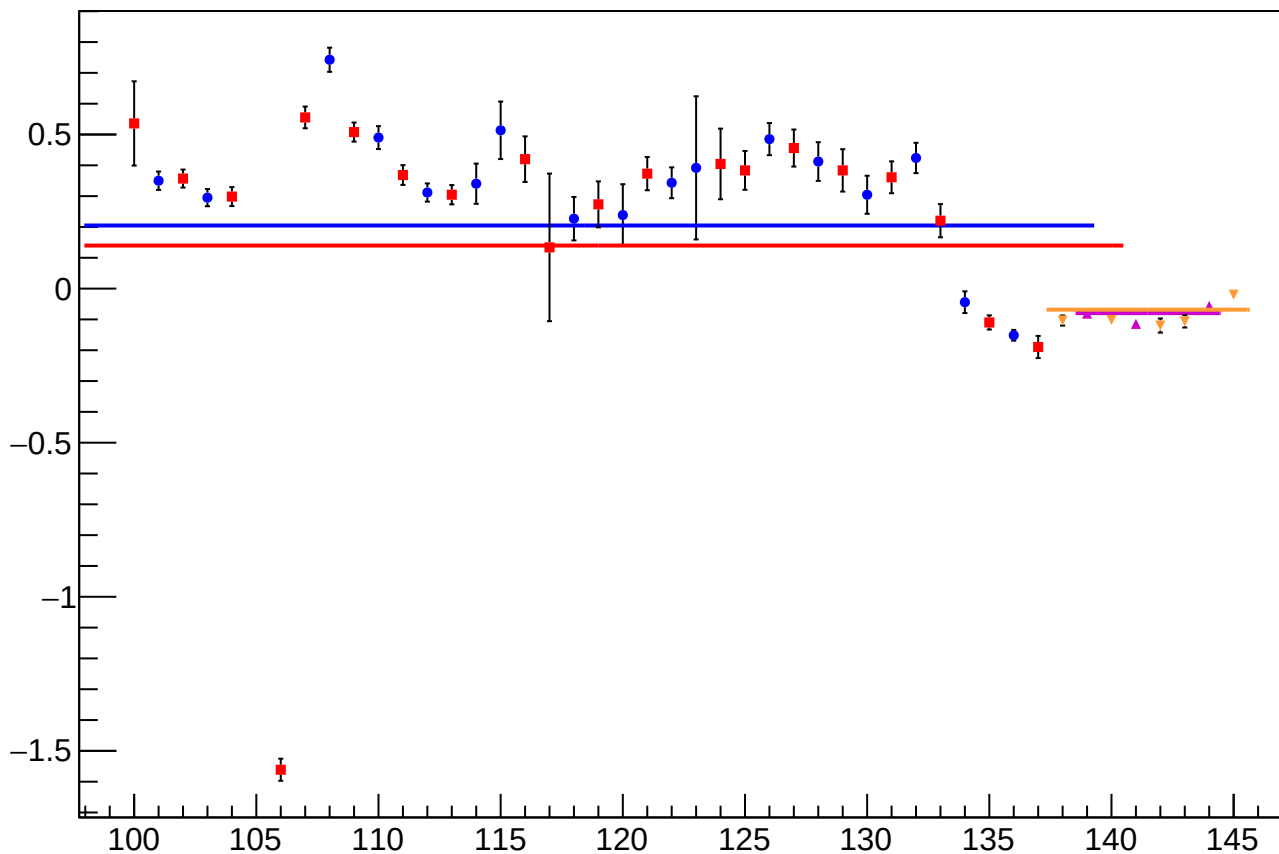
Right Out: 12.460 $\pm$ 0.174 χ^2 /NDF: 6976.5/19

Left In: 24.970 $\pm$ 0.180 χ^2 /NDF:47.8/2

20.108 $\pm$ 0.111 χ^2 /NDF: 9804.0/21

18.493 $\pm$ 0.125 χ^2 /NDF: 9529.9/22

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.009 χ^2 /NDF: 845.8/16

Left Out: -0.068 $\pm$ 0.007 χ^2 /NDF: 40.8/4

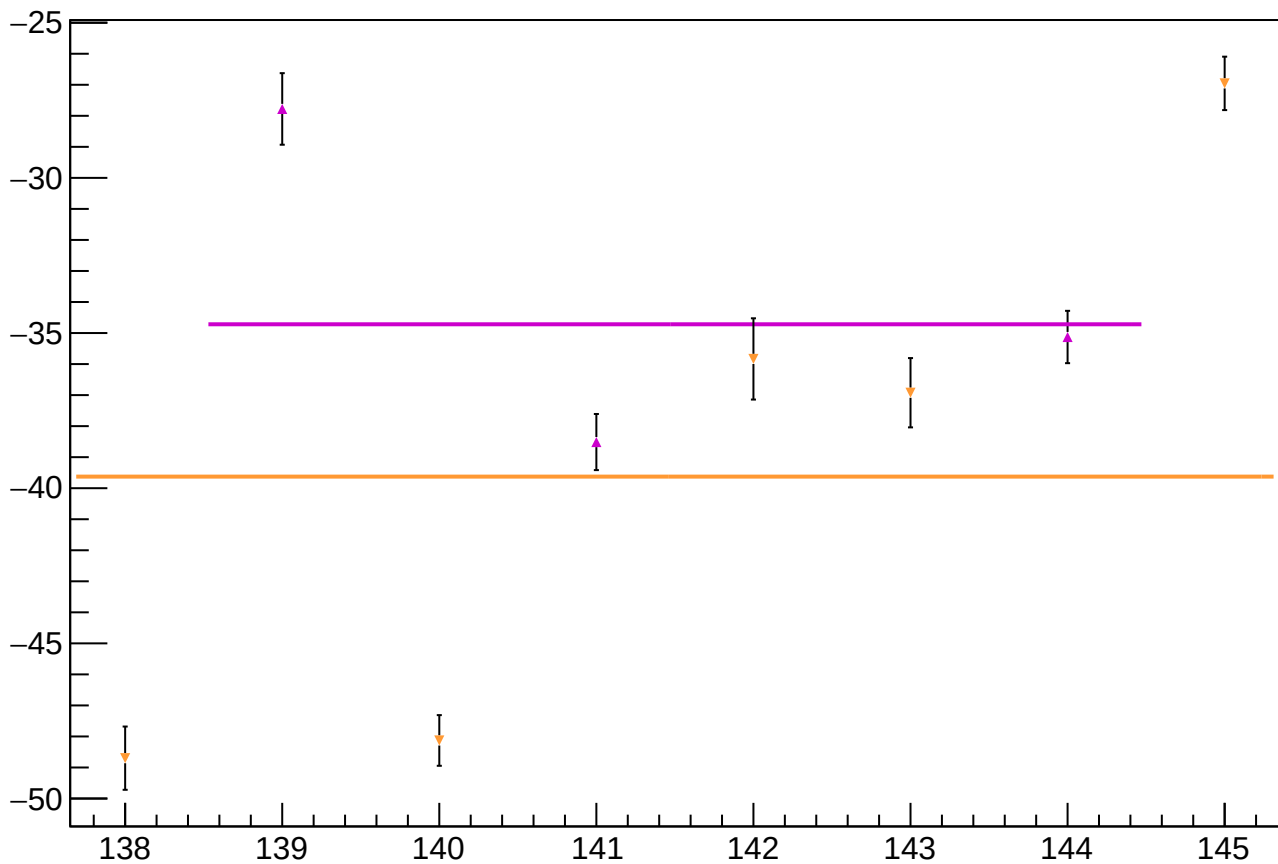
Right Out: 0.140 $\pm$ 0.009 χ^2 /NDF: 3014.2/19

Left In: -0.079 $\pm$ 0.008 χ^2 /NDF: 8.4/2

0.024 $\pm$ 0.005 χ^2 /NDF: 1446.8/21

0.020 $\pm$ 0.006 χ^2 /NDF: 3333.5/22

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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

Left Out: -39.626+/-0.439 χ^2/NDF : 418.7/4

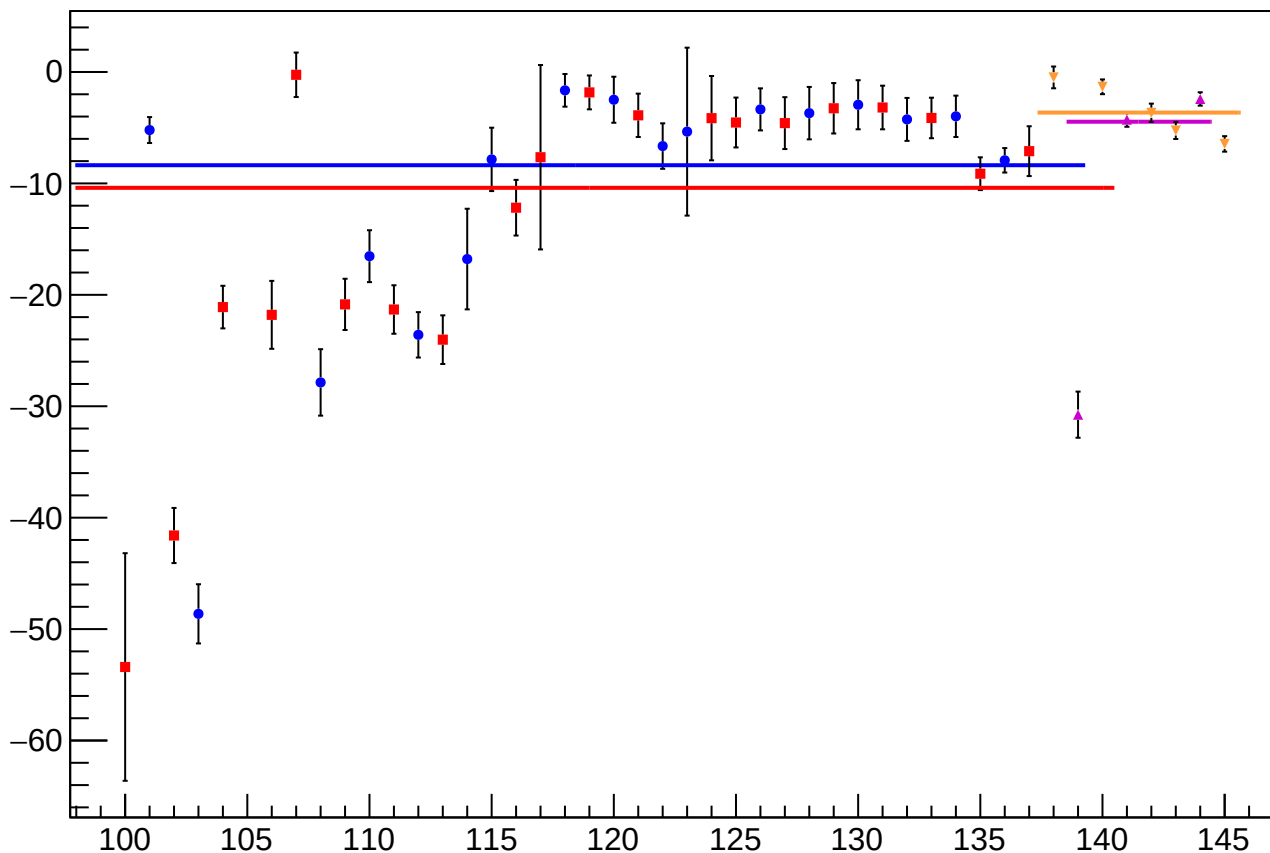
-39.626+/-0.439 χ^2/NDF : 418.7/4

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

-34.718+/-0.544 χ^2/NDF : 54.1/2

Left In: -34.718+/-0.544 χ^2/NDF : 54.1/2

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -3.642 ± 0.341 $\chi^2/\text{NDF}: 43.4/4$

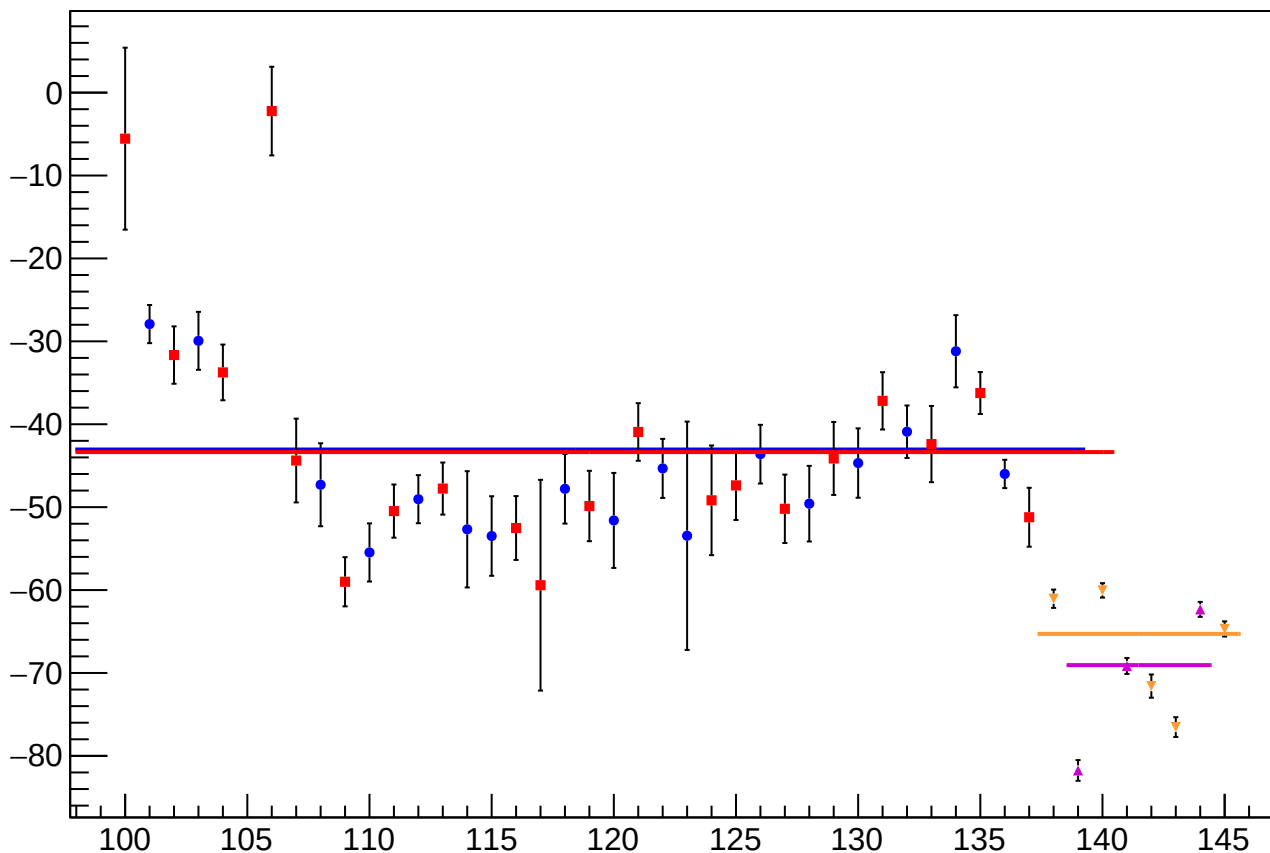
Right Out: -10.396 ± 0.490 $\chi^2/\text{NDF}: 430.4/19$

Left In: -4.463 ± 0.428 $\chi^2/\text{NDF}: 172.8/2$

-5.293 ± 0.275 $\chi^2/\text{NDF}: 519.1/21$

-7.032 ± 0.323 $\chi^2/\text{NDF}: 686.3/22$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$

Left Out: -65.284 ± 0.469 $\chi^2/\text{NDF}: 160.8/4$

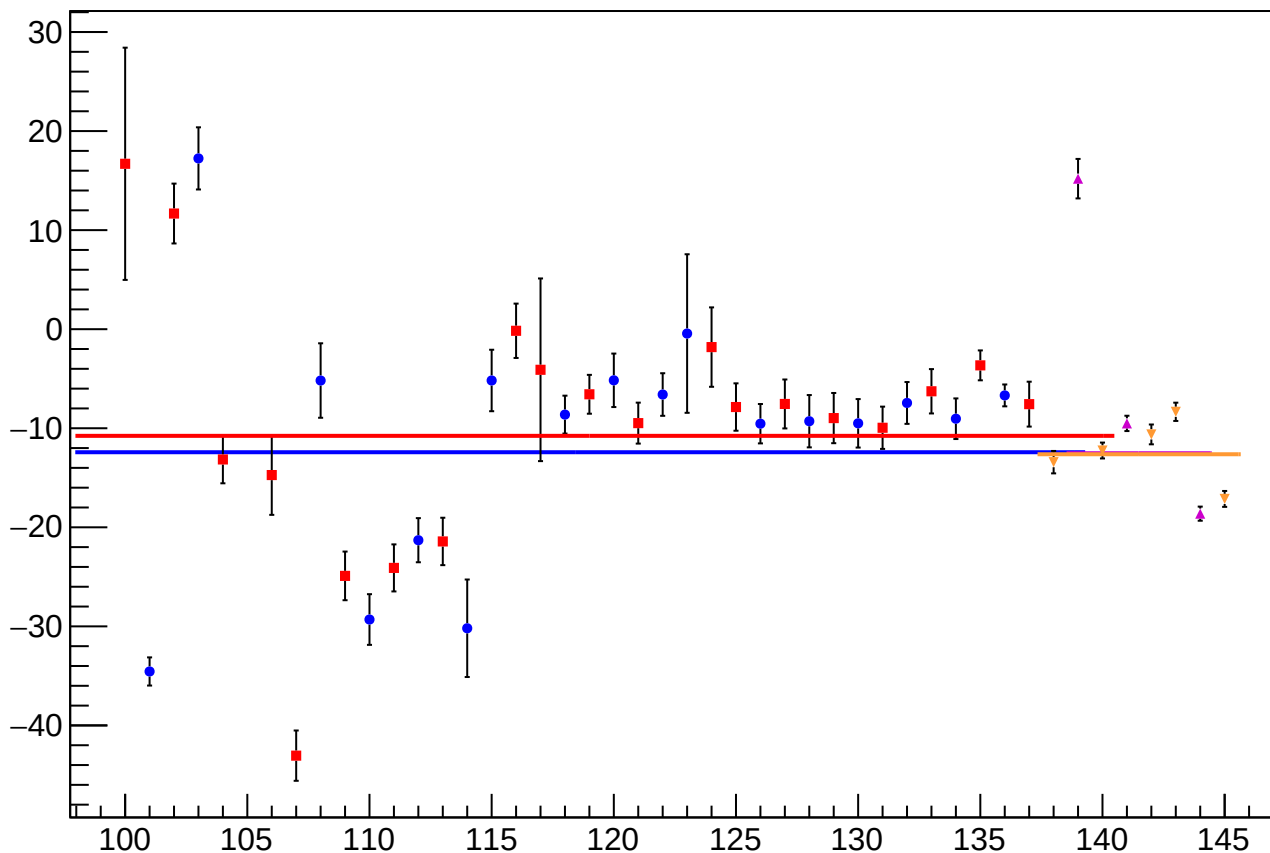
Right Out: -43.357 ± 0.865 $\chi^2/\text{NDF}: 156.0/19$

Left In: -69.054 ± 0.582 $\chi^2/\text{NDF}: 159.0/2$

-59.978 ± 0.409 $\chi^2/\text{NDF}: 796.8/21$

-61.045 ± 0.483 $\chi^2/\text{NDF}: 922.2/22$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -12.625 ± 0.406 χ^2/NDF : 57.8/4

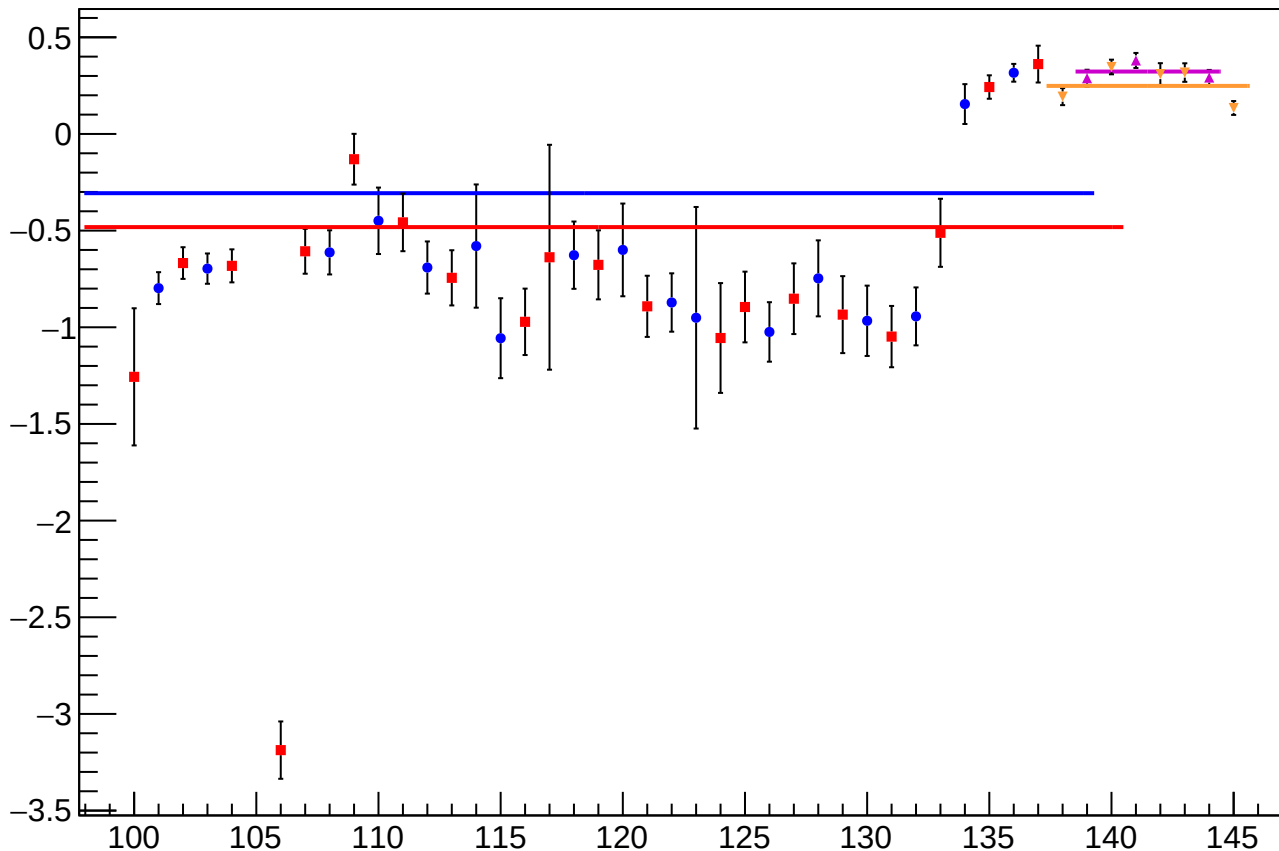
Right Out: -10.766 ± 0.553 χ^2/NDF : 366.3/19

Left In: -12.522 ± 0.507 χ^2/NDF : 281.9/2

-12.548 ± 0.321 χ^2/NDF : 532.3/21

-11.720 ± 0.374 χ^2/NDF : 653.7/22

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.249 ± 0.019 χ^2/NDF : 21.6/4

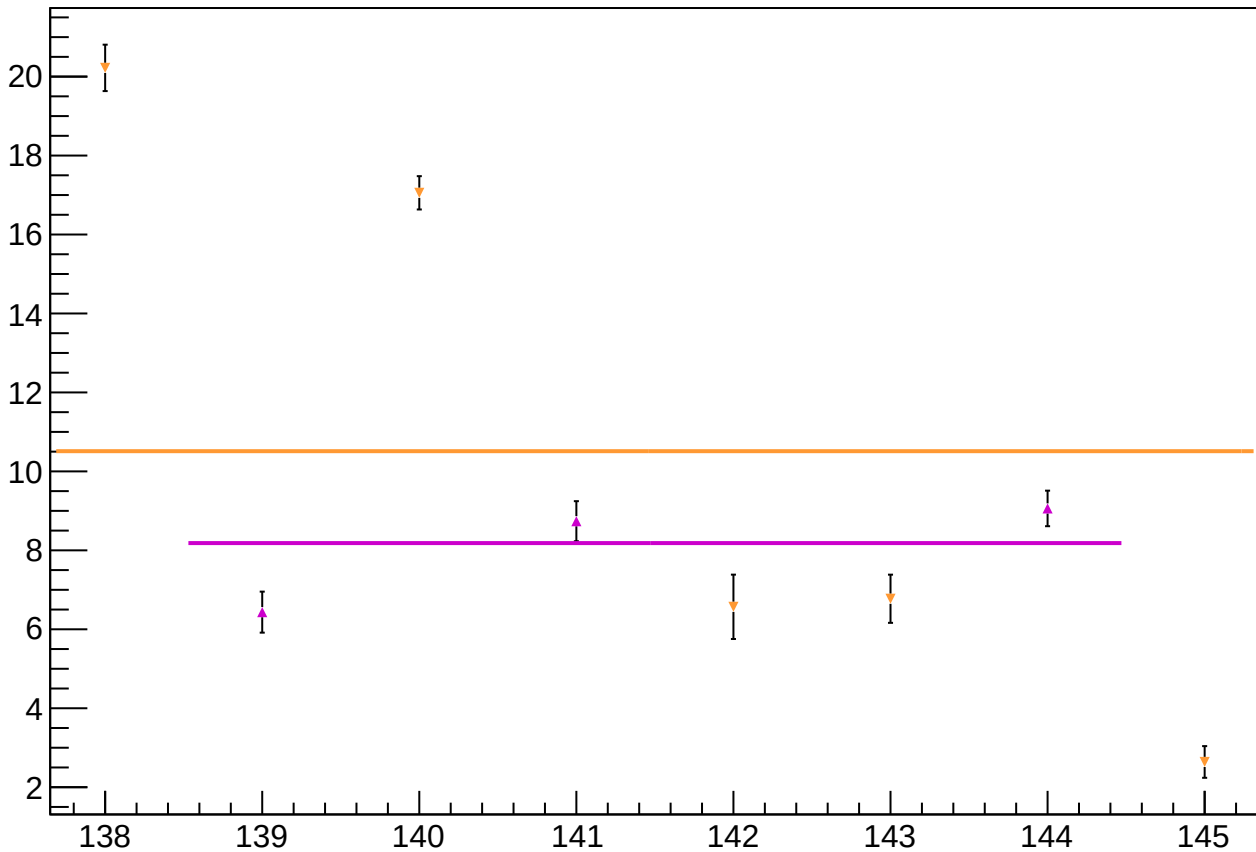
Right Out: -0.482 ± 0.029 χ^2/NDF : 628.3/19

Left In: 0.323 ± 0.023 χ^2/NDF : 3.4/2

0.069 ± 0.016 χ^2/NDF : 667.1/21

-0.001 ± 0.018 χ^2/NDF : 1106.4/22

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 10.512+/-0.230 χ^2/NDF : 959.0/4

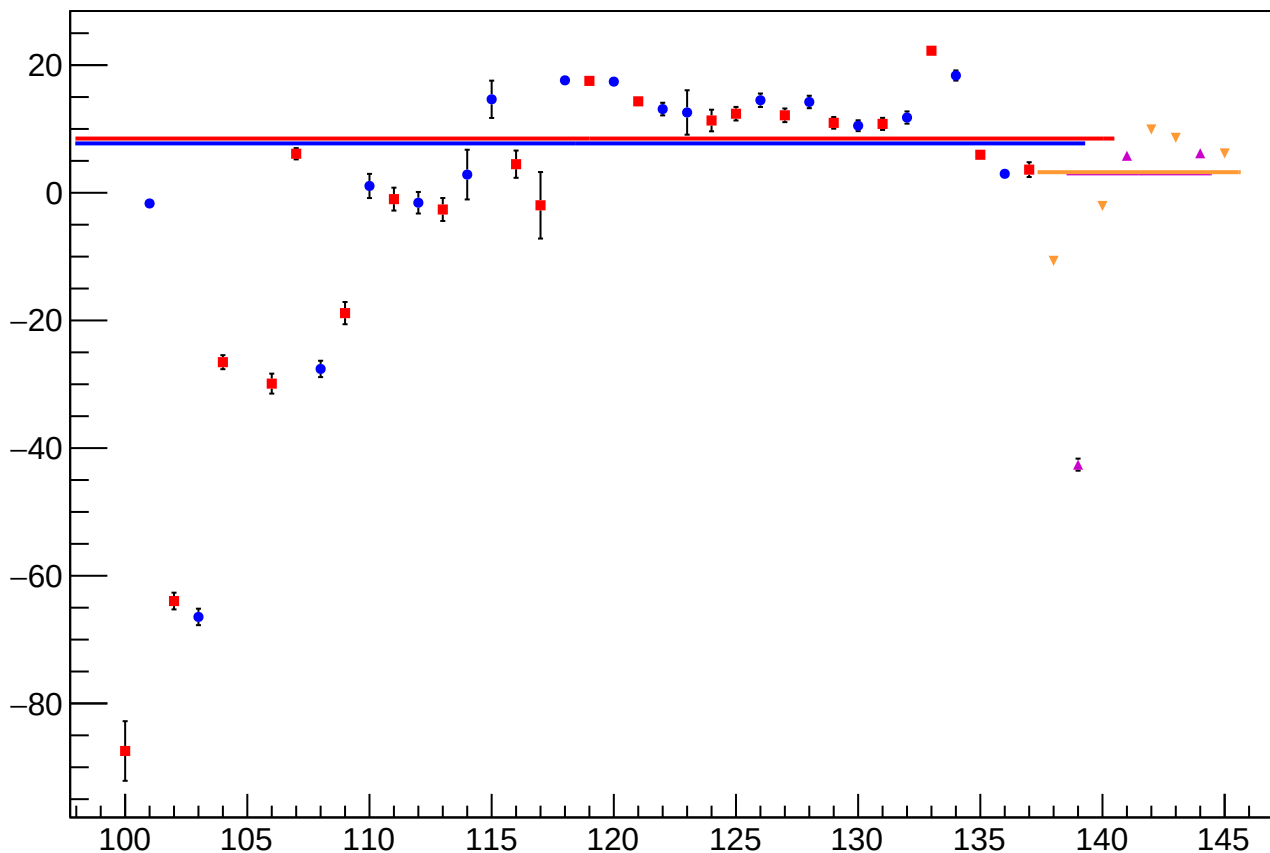
10.512+/-0.230 χ^2/NDF : 959.0/4

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

Left In: 8.184+/-0.283 χ^2/NDF : 16.3/2

8.184+/-0.283 χ^2/NDF : 16.3/2

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: 3.229 $\pm$ 0.184 χ^2 /NDF:1181.1/4

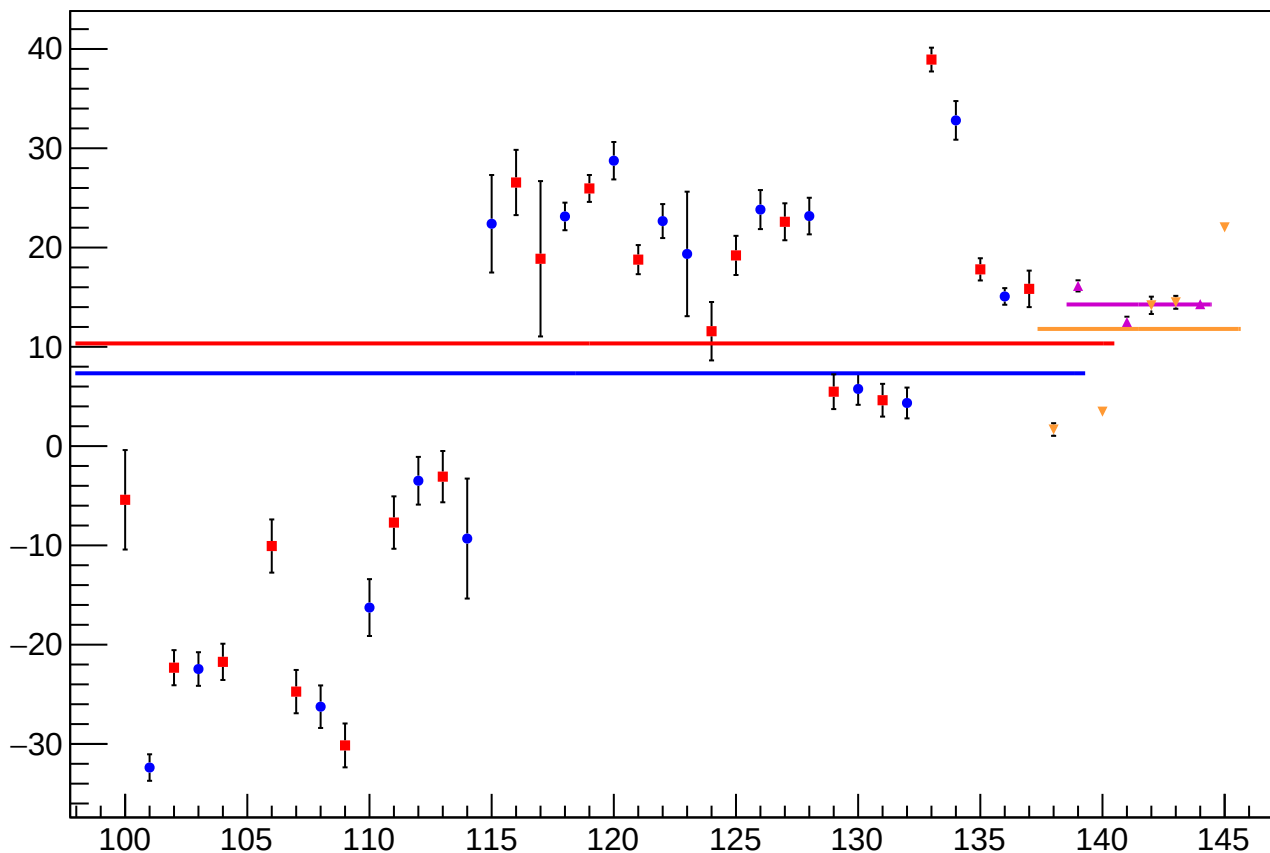
Right Out: 8.496 $\pm$ 0.213 χ^2 /NDF: 6723.5/19

Left In: 3.040 $\pm$ 0.234 χ^2 /NDF:2485.7/2

5.103 $\pm$ 0.141 χ^2 /NDF: 6731.4/21

6.022 $\pm$ 0.158 χ^2 /NDF: 9506.5/22

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333+/-0.419 χ^2/NDF : 2293.1/16

Left Out: 11.803+/-0.245 χ^2/NDF :1200.9/4

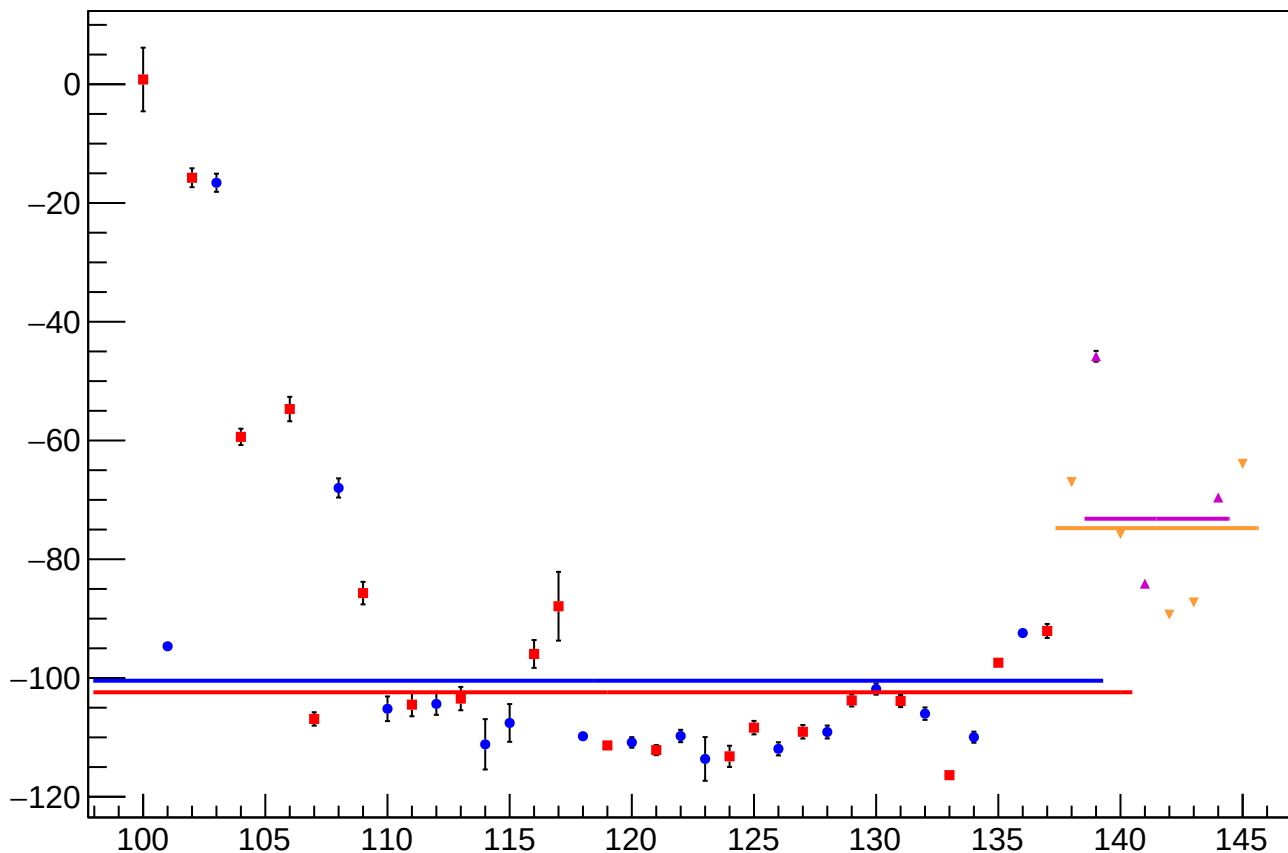
Right Out: 10.342+/-0.416 χ^2/NDF : 2282.7/19

Left In: 14.266+/-0.303 χ^2/NDF :21.9/2

10.660+/-0.212 χ^2/NDF : 3578.9/21

12.907+/-0.245 χ^2/NDF : 2362.7/22

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457+/-0.251 χ^2/NDF : 4461.1/16

Left Out: -74.755+/-0.217 χ^2/NDF : 2106.8/4

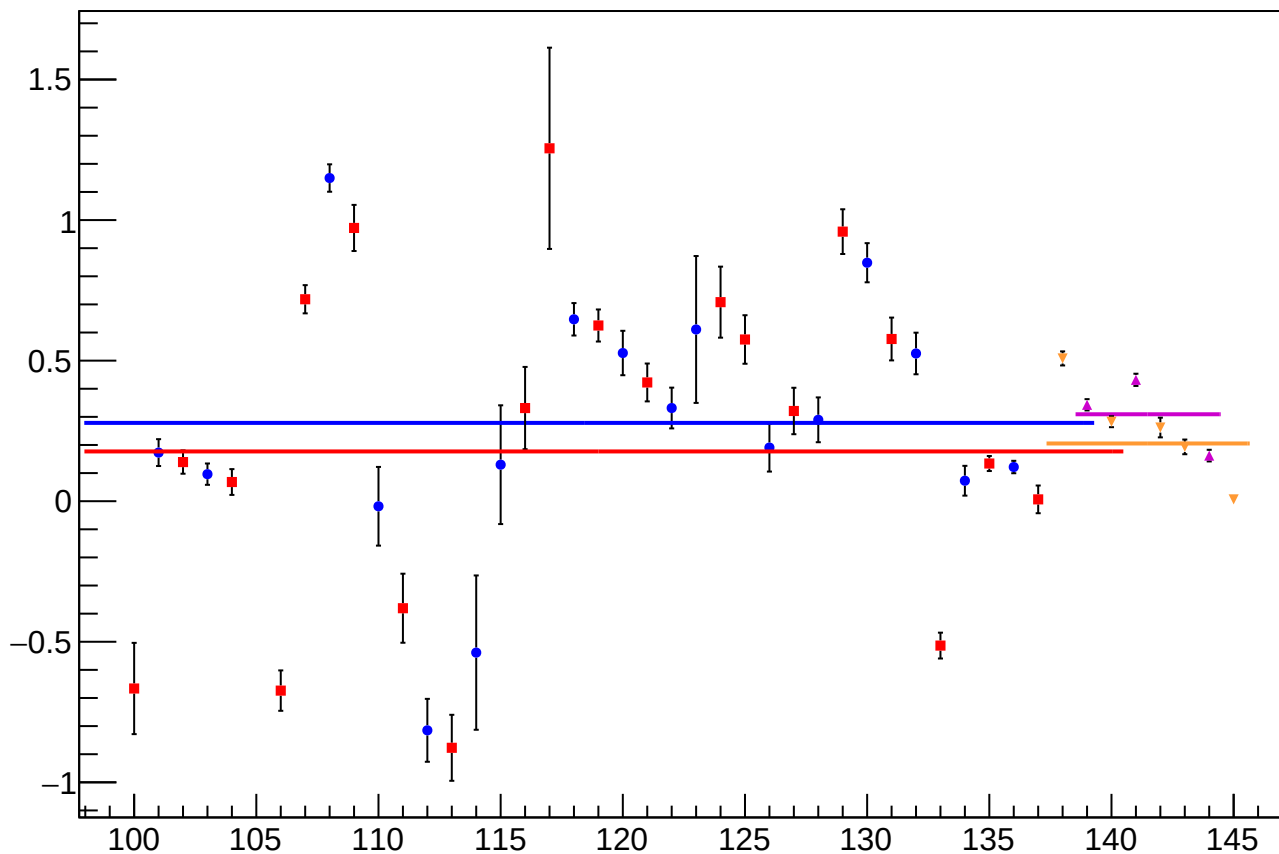
Right Out: -102.405+/-0.246 χ^2/NDF : 6100.6/19

Left In: -73.175+/-0.274 χ^2/NDF : 1619.2/2

-85.770+/-0.164 χ^2/NDF : 12572.1/21

-89.363+/-0.183 χ^2/NDF : 14017.1/22

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 $\pm$ 0.014 χ^2 /NDF: 653.9/16

Left Out: 0.205 $\pm$ 0.010 χ^2 /NDF:307.3/4

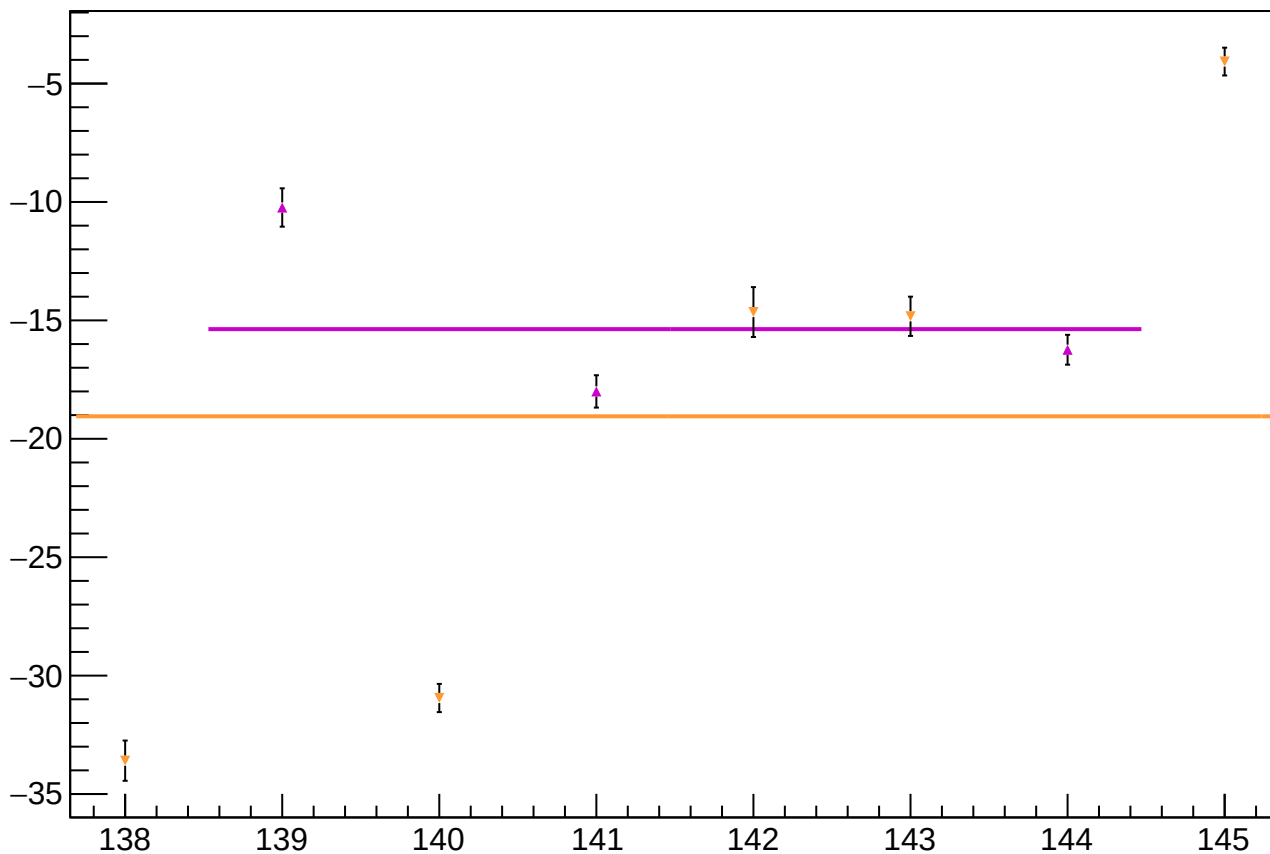
Right Out: 0.177 $\pm$ 0.013 χ^2 /NDF: 976.8/19

Left In: 0.309 $\pm$ 0.012 χ^2 /NDF:84.8/2

0.231 $\pm$ 0.008 χ^2 /NDF: 980.3/21

0.251 $\pm$ 0.009 χ^2 /NDF: 1115.3/22

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -19.050+/-0.325 χ^2/NDF : 1386.8/4

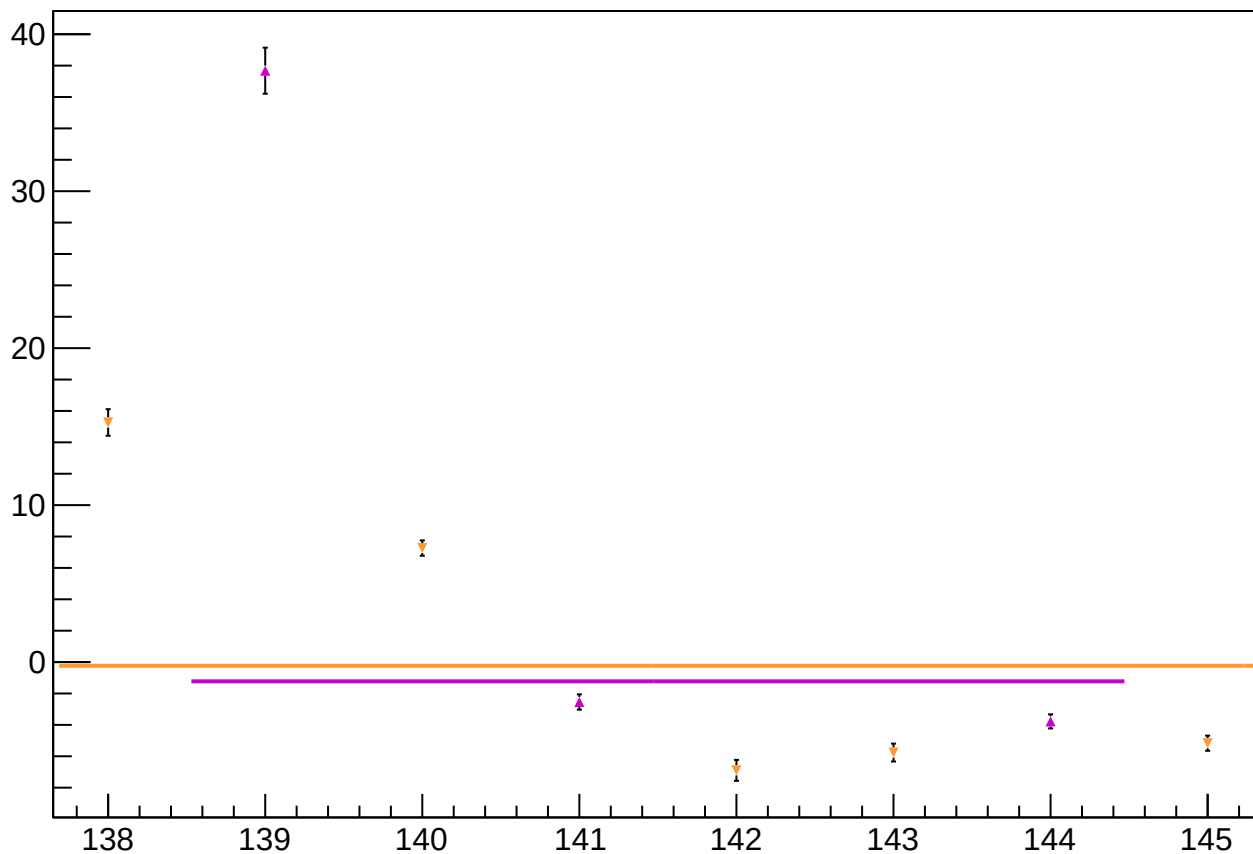
-19.050+/-0.325 χ^2/NDF : 1386.8/4

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

-15.369+/-0.402 χ^2/NDF : 57.0/2

Left In: -15.369+/-0.402 χ^2/NDF : 57.0/2

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -0.236+/-0.257 χ^2/NDF : 867.8/4

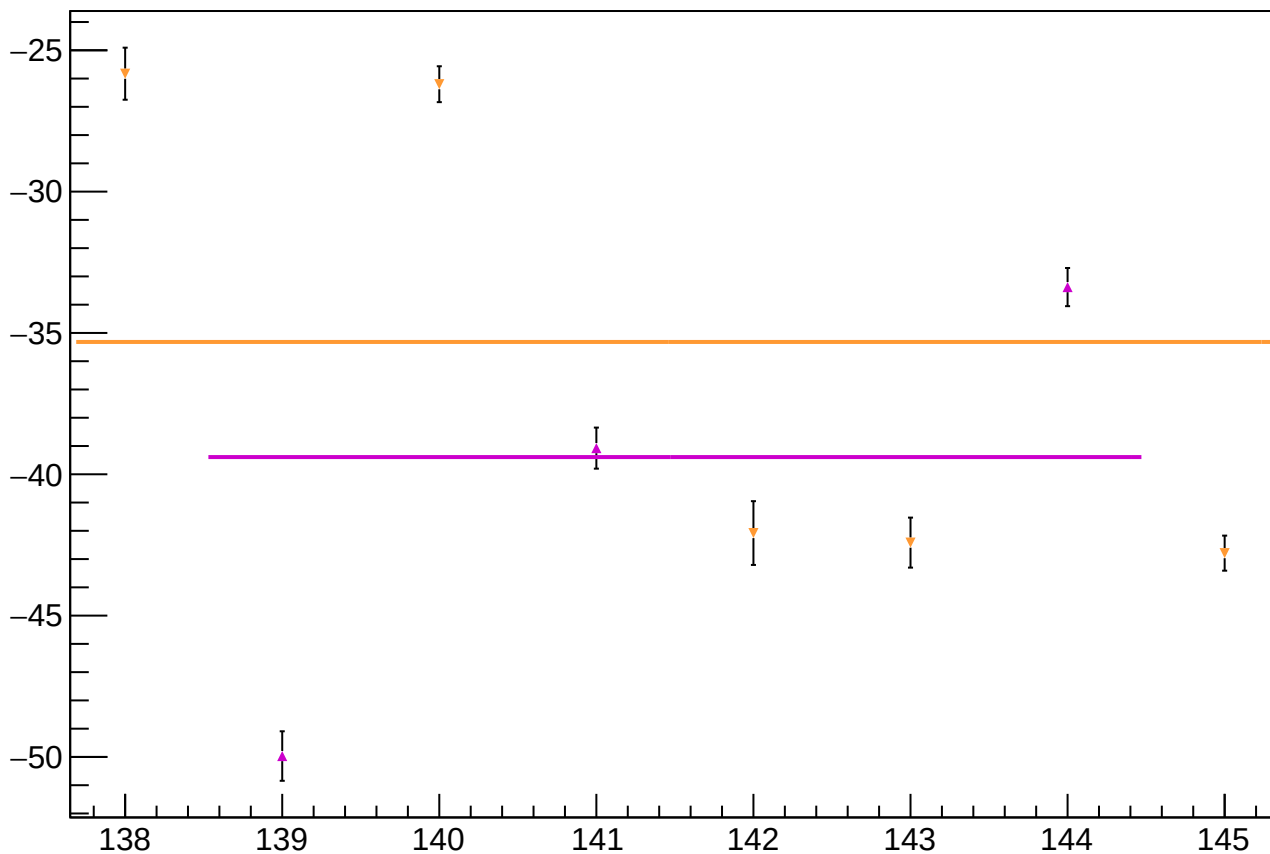
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1.226+/-0.323 χ^2/NDF : 742.8/2

-0.236+/-0.257 χ^2/NDF : 867.8/4

-1.226+/-0.323 χ^2/NDF : 742.8/2

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -35.318+/-0.347 χ^2/NDF : 558.0/4

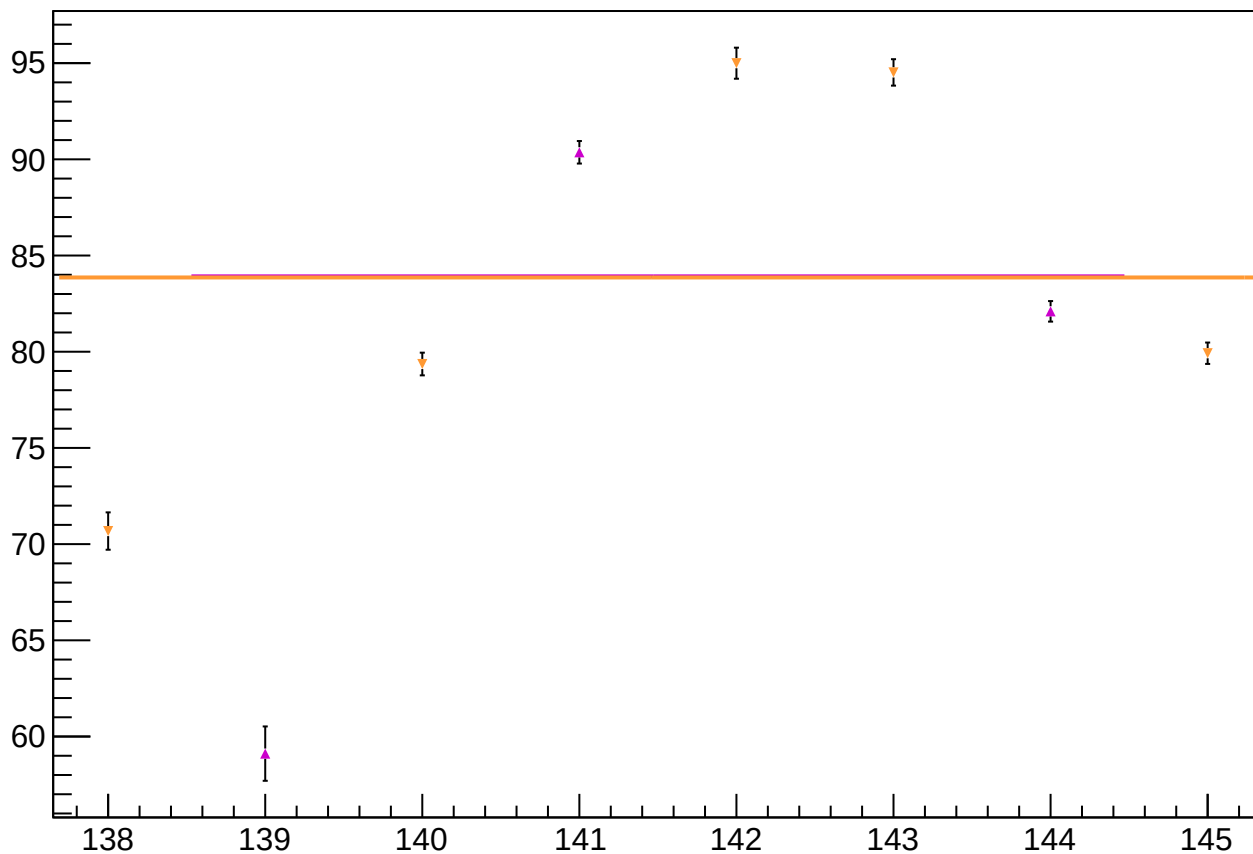
-35.318+/-0.347 χ^2/NDF : 558.0/4

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

-39.391+/-0.431 χ^2/NDF : 225.3/2

Left In: -39.391+/-0.431 χ^2/NDF : 225.3/2

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 83.860 $\pm$ 0.304 χ^2 /NDF: 723.9/4

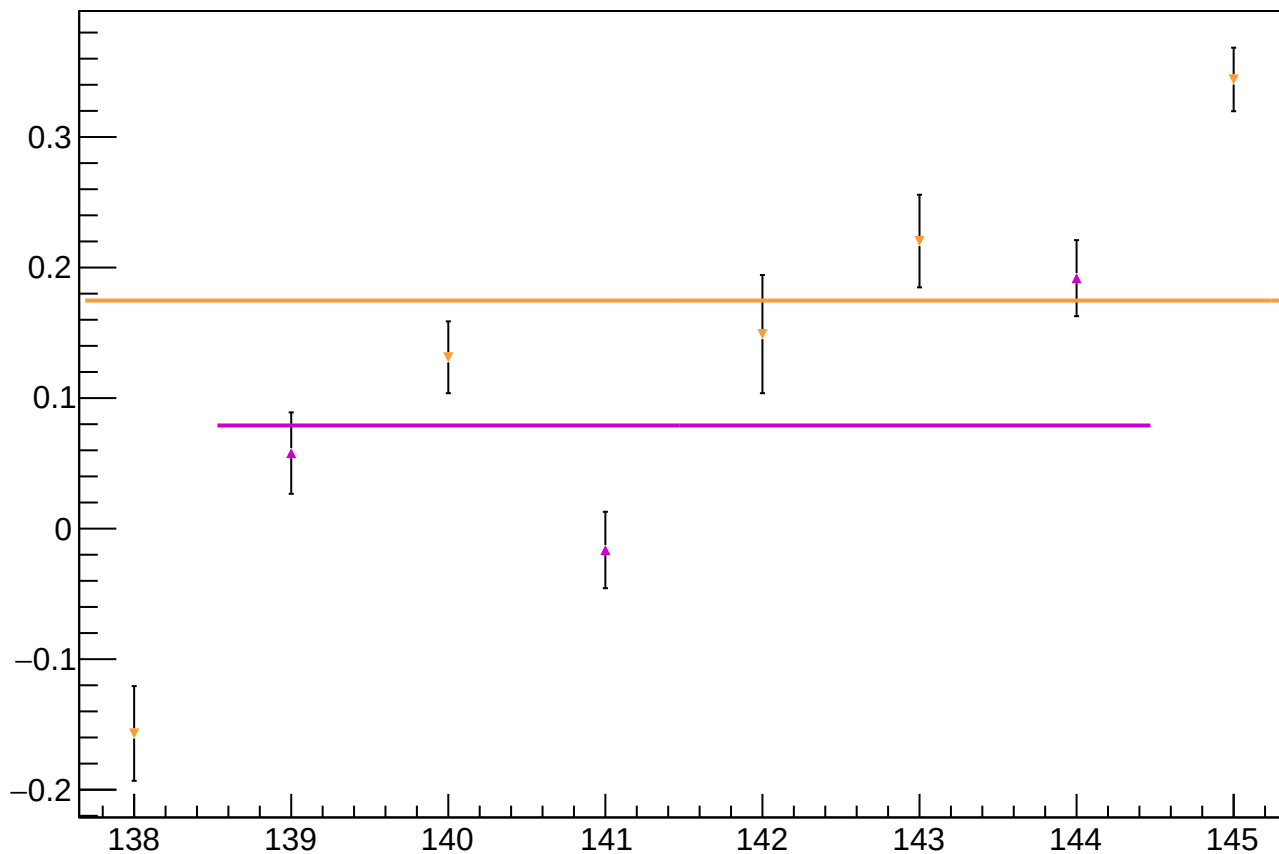
83.860 $\pm$ 0.304 χ^2 /NDF: 723.9/4

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

Left In: 83.917 $\pm$ 0.380 χ^2 /NDF: 441.2/2

83.917 $\pm$ 0.380 χ^2 /NDF: 441.2/2

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.175 $\pm$ 0.014 χ^2 /NDF:136.5/4

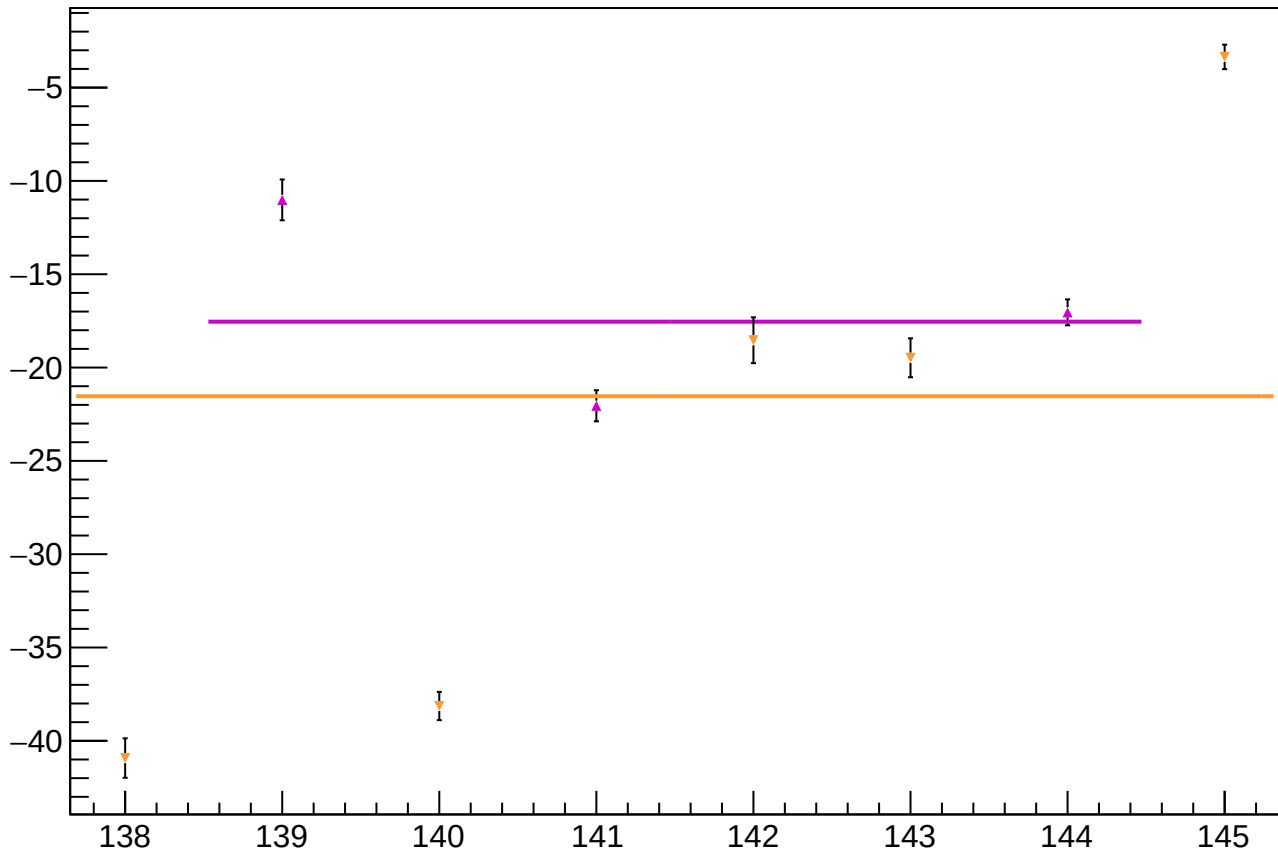
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.079 $\pm$ 0.017 χ^2 /NDF:26.1/2

0.175 $\pm$ 0.014 χ^2 /NDF: 136.5/4

0.079 $\pm$ 0.017 χ^2 /NDF: 26.1/2

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

-21.536+/-0.391 χ^2/NDF : 1597.0/4

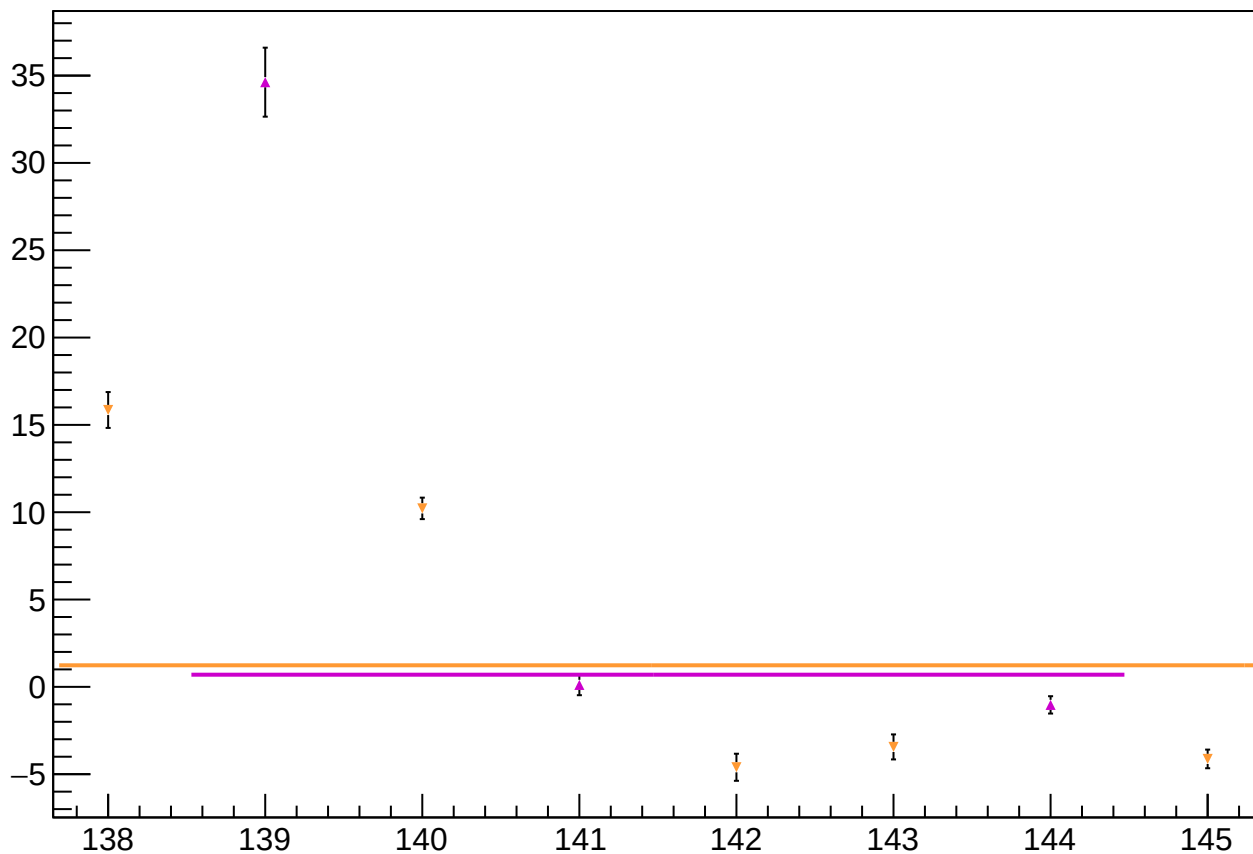
Left Out: -21.536+/-0.391 χ^2/NDF : 1597.0/4

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

-17.542+/-0.480 χ^2/NDF : 65.4/2

Left In: -17.542+/-0.480 χ^2/NDF : 65.4/2

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 1.235+/-0.305 χ^2/NDF : 616.6/4

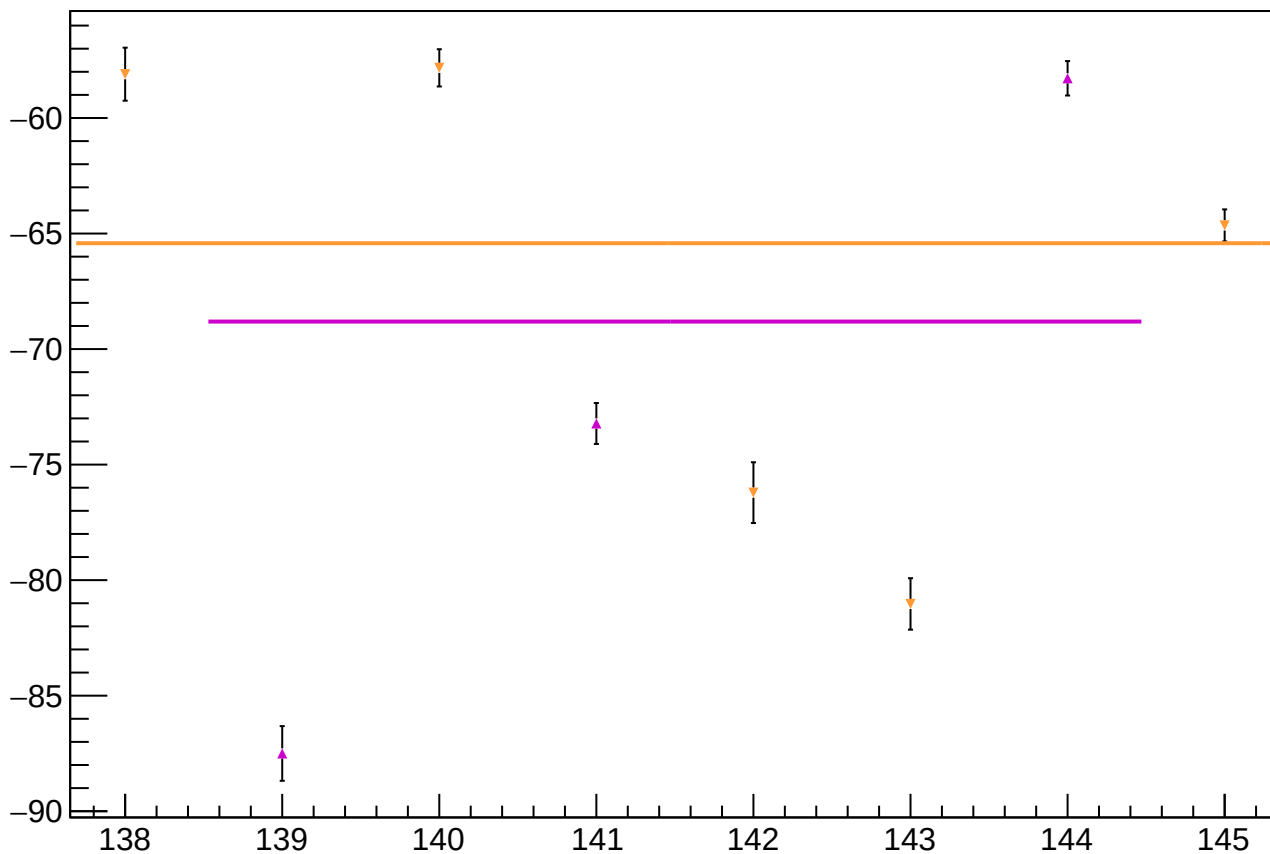
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.696+/-0.373 χ^2/NDF : 308.0/2

1.235+/-0.305 χ^2/NDF : 616.6/4

0.696+/-0.373 χ^2/NDF : 308.0/2

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -65.419+/-0.417 χ^2/NDF : 394.6/4

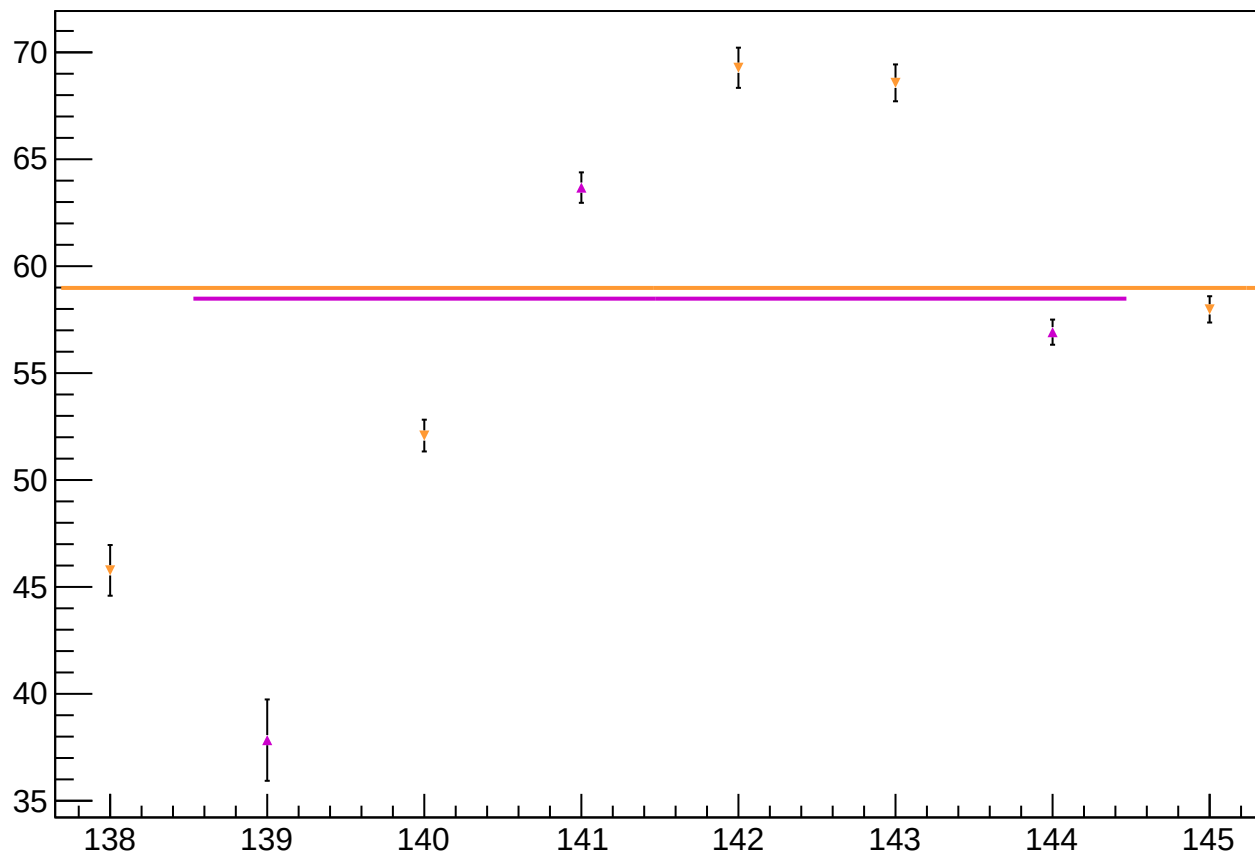
-65.419+/-0.417 χ^2/NDF : 394.6/4

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

Left In: -68.809+/-0.514 χ^2/NDF : 474.0/2

-68.809+/-0.514 χ^2/NDF : 474.0/2

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 58.983+/-0.362 χ^2/NDF : 456.9/4

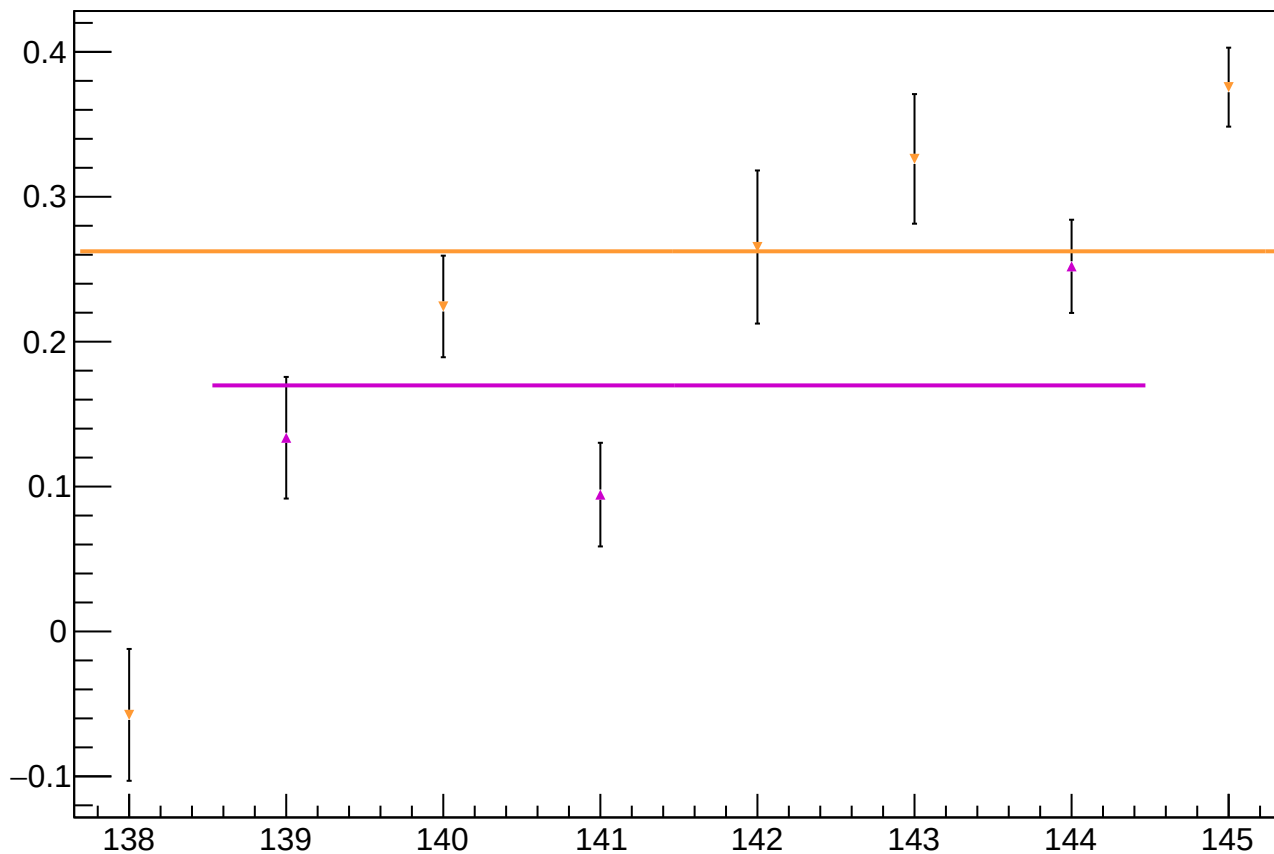
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 58.481+/-0.441 χ^2/NDF : 178.0/2

58.983+/-0.362 χ^2/NDF : 456.9/4

58.481+/-0.441 χ^2/NDF : 178.0/2

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.262+/-0.017 χ^2/NDF : 69.9/4

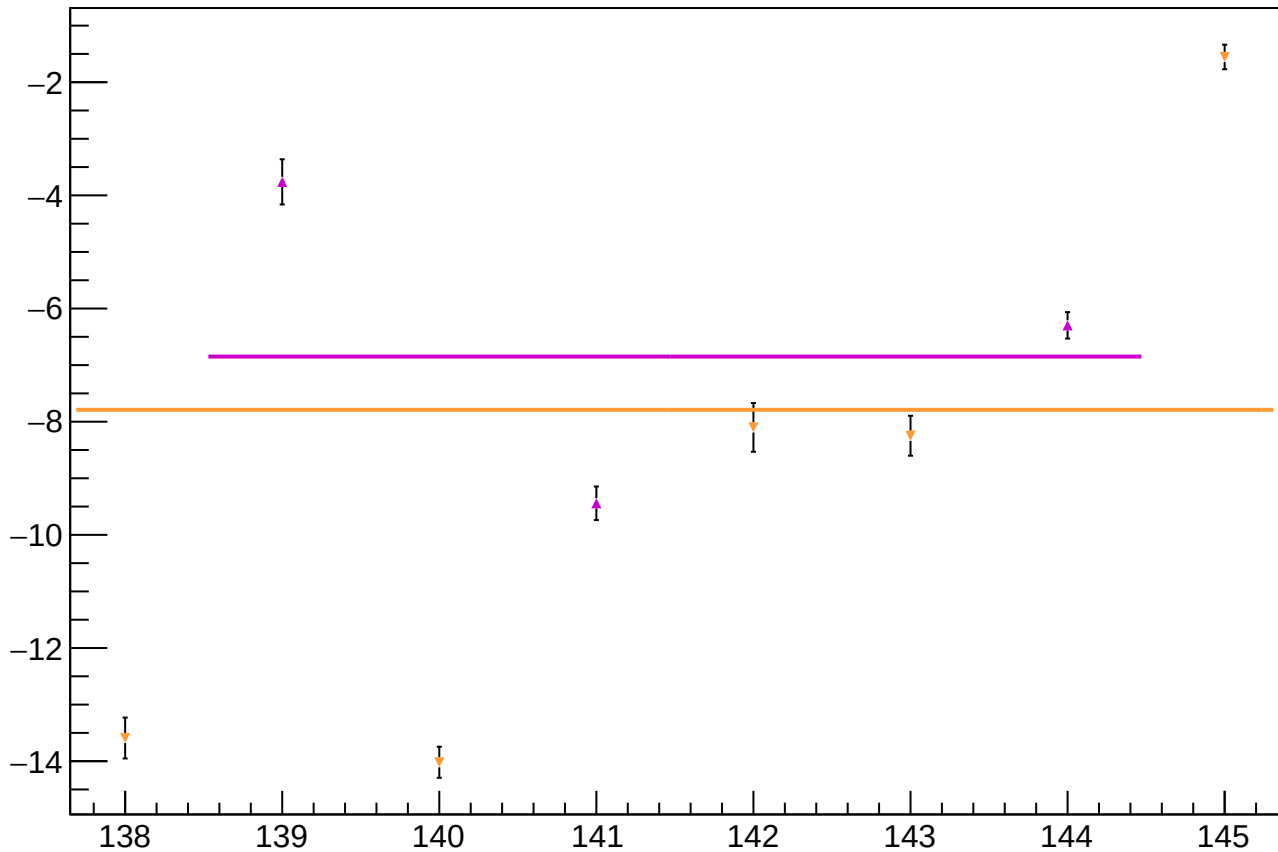
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.170+/-0.021 χ^2/NDF : 11.7/2

0.262+/-0.017 χ^2/NDF : 69.9/4

0.170+/-0.021 χ^2/NDF : 11.7/2

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



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

Left Out: -7.790+/-0.134 χ^2/NDF :1599.9/4

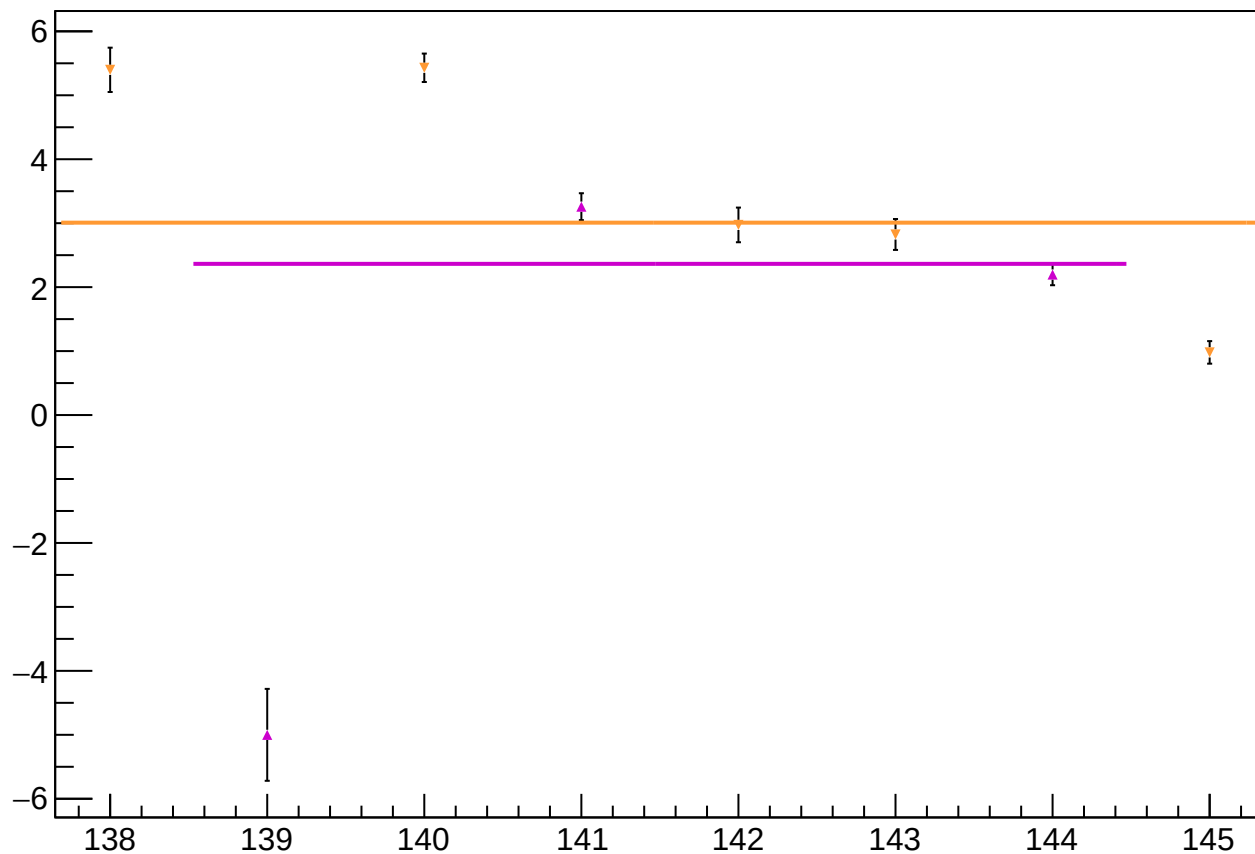
-7.790+/-0.134 χ^2/NDF : 1599.9/4

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

-6.849+/-0.167 χ^2/NDF : 141.6/2

Left In: -6.849+/-0.167 χ^2/NDF :141.6/2

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug

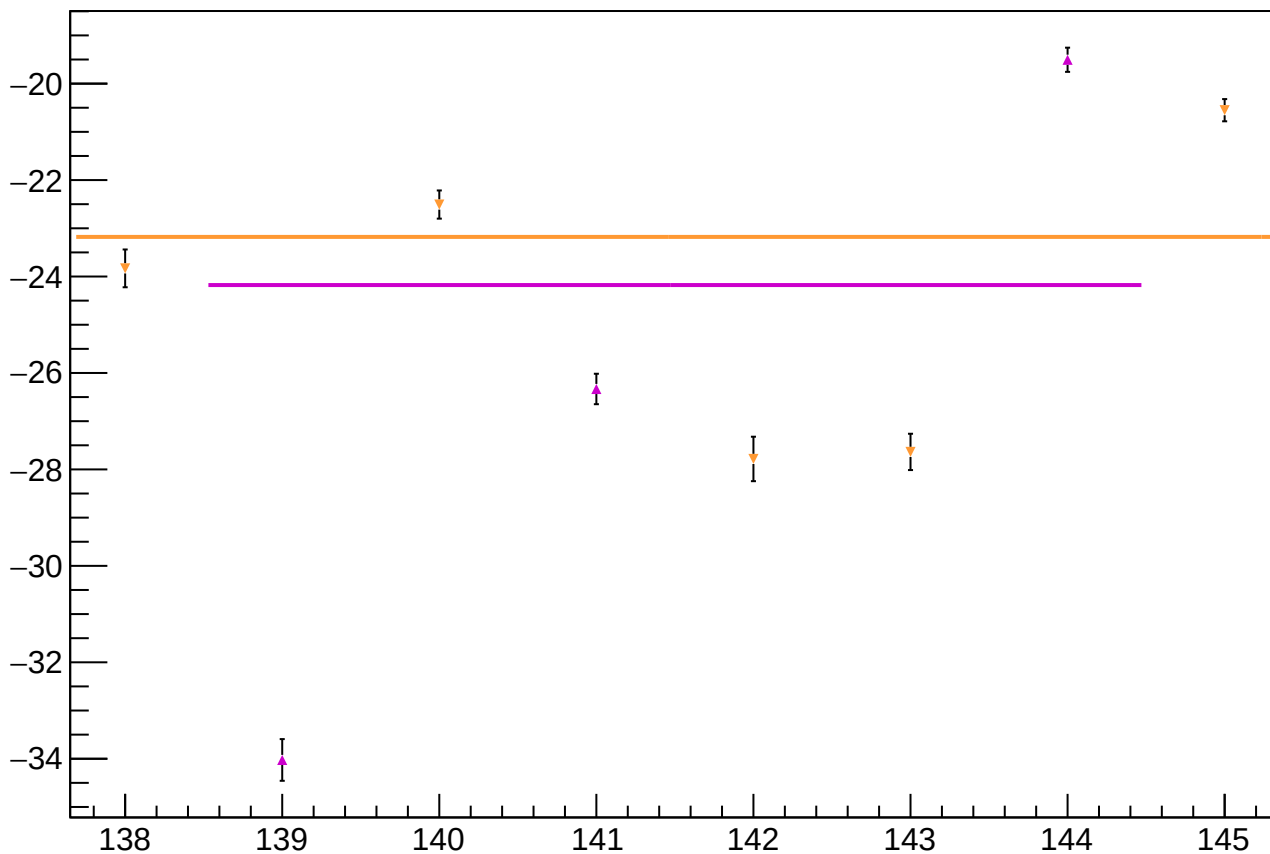


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.008 $\pm$ 0.105 χ^2 /NDF:299.2/4
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.364 $\pm$ 0.129 χ^2 /NDF:124.1/2

3.008 $\pm$ 0.105 χ^2 /NDF: 299.2/4

2.364 $\pm$ 0.129 χ^2 /NDF: 124.1/2

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -23.178+/-0.143 χ^2/NDF : 378.1/4

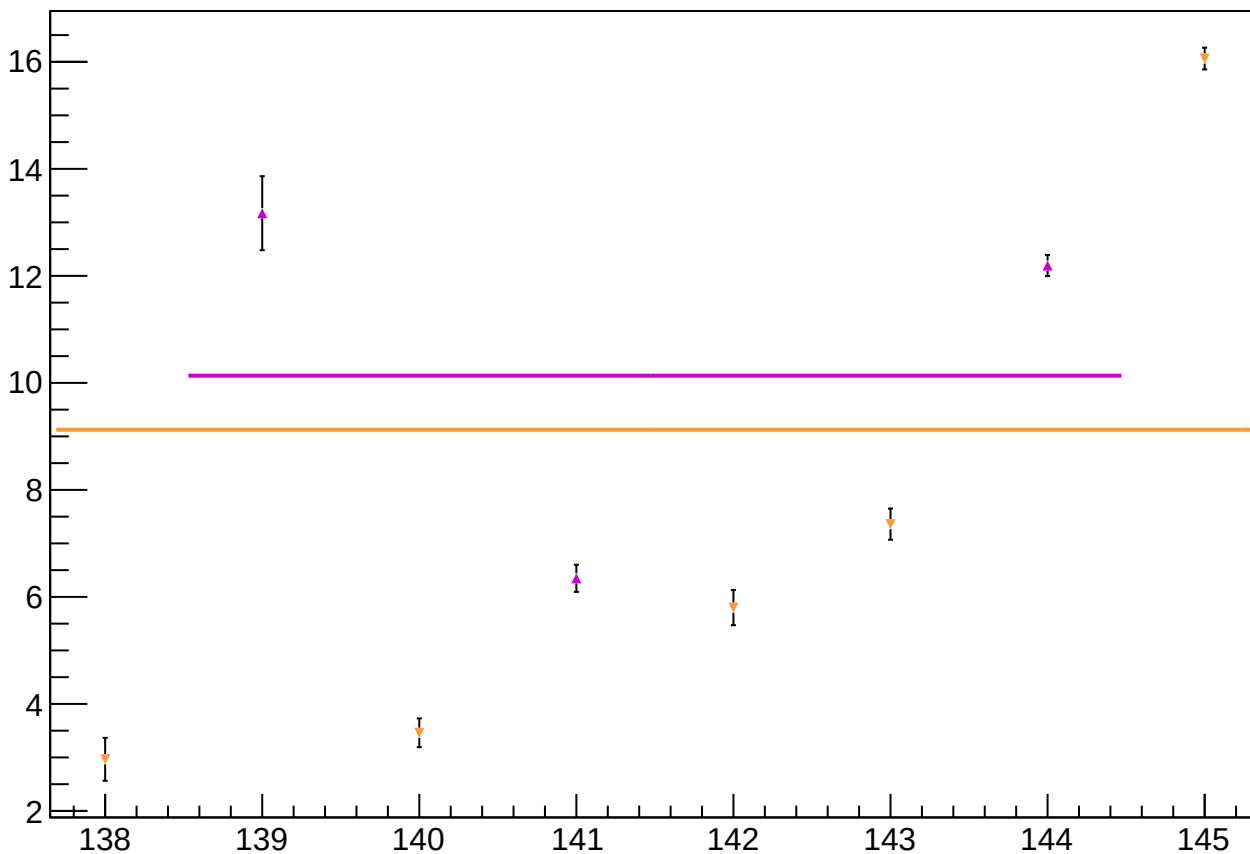
-23.178+/-0.143 χ^2/NDF : 378.1/4

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

-24.177+/-0.179 χ^2/NDF : 912.3/2

Left In: -24.177+/-0.179 χ^2/NDF : 912.3/2

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug

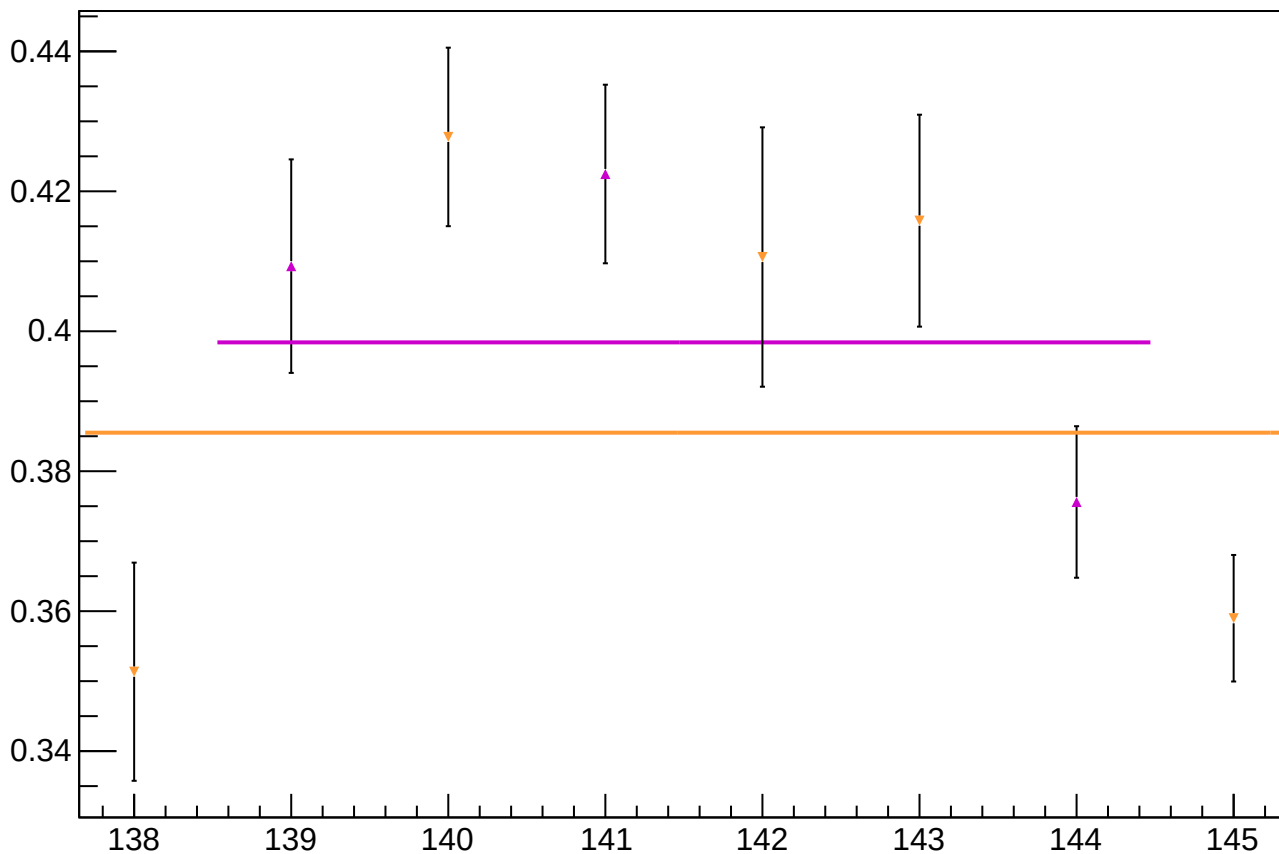


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 9.125+/-0.124 χ^2/NDF :1983.0/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 10.135+/-0.152 χ^2/NDF :350.5/2

9.125+/-0.124 χ^2/NDF : 1983.0/4

10.135+/-0.152 χ^2/NDF : 350.5/2

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.386+/-0.006 χ^2/NDF :30.2/4

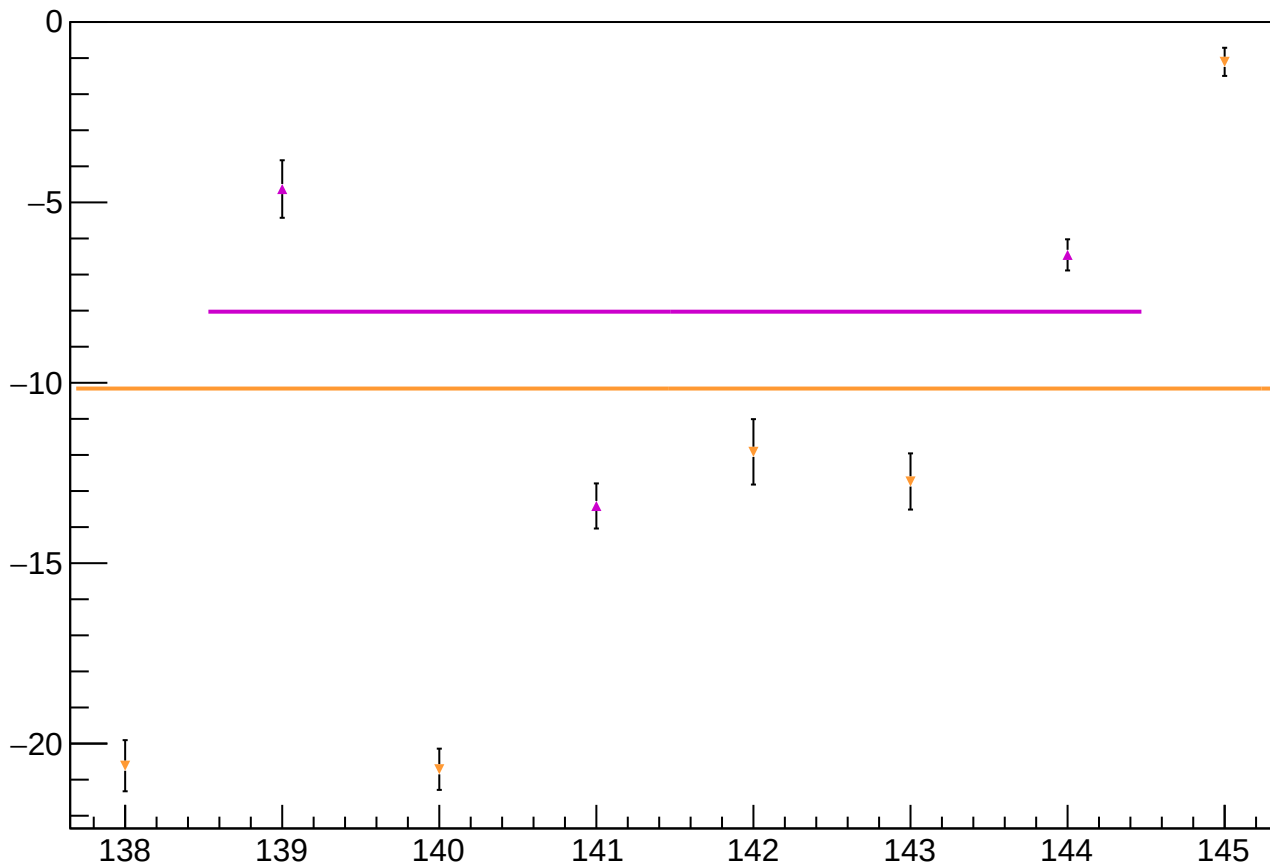
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.398+/-0.007 χ^2/NDF :8.5/2

0.386+/-0.006 χ^2/NDF : 30.2/4

0.398+/-0.007 χ^2/NDF : 8.5/2

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



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

Left Out: -10.159+/-0.263 χ^2/NDF : 1112.3/4

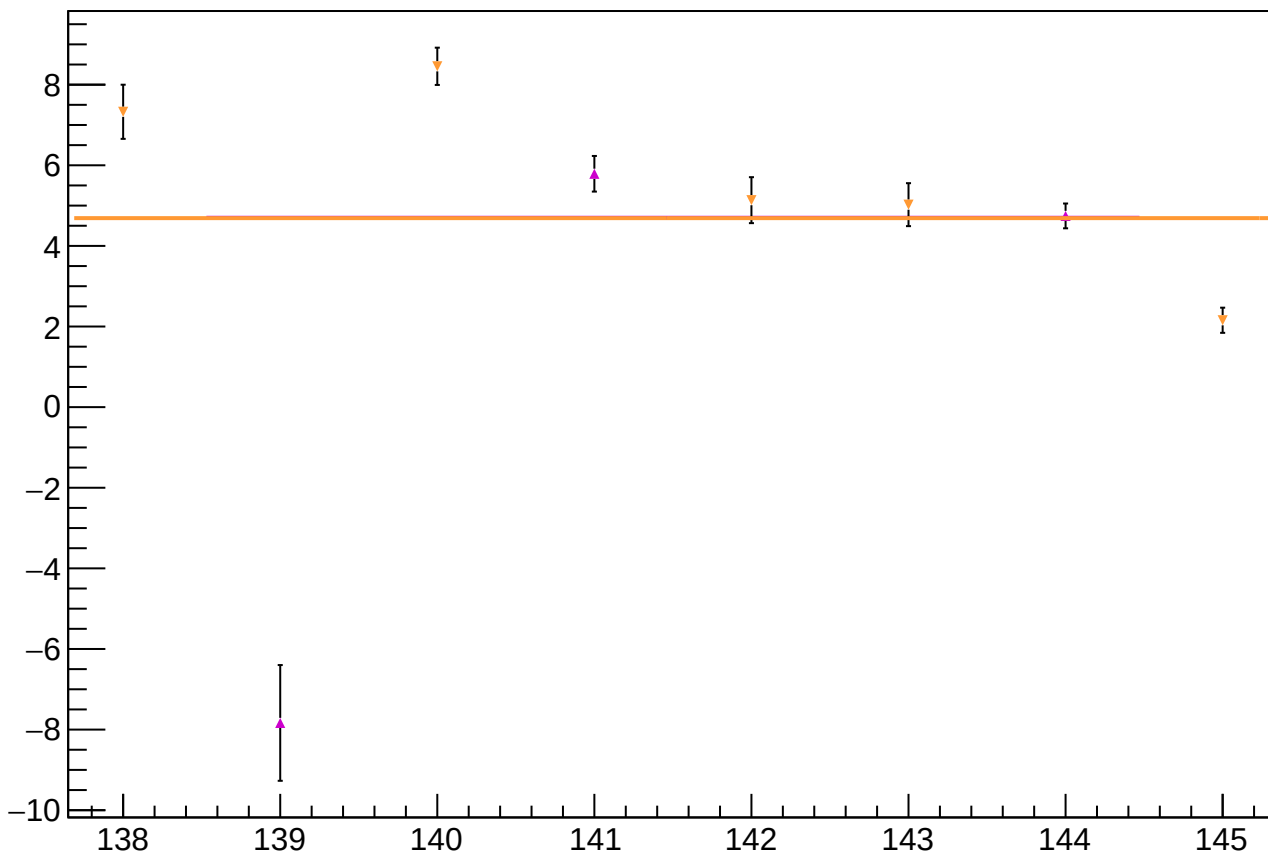
-10.159+/-0.263 χ^2/NDF : 1112.3/4

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

Left In: -8.029+/-0.325 χ^2/NDF : 105.7/2

-8.029+/-0.325 χ^2/NDF : 105.7/2

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 4.689 $\pm$ 0.205 χ^2 /NDF:148.7/4

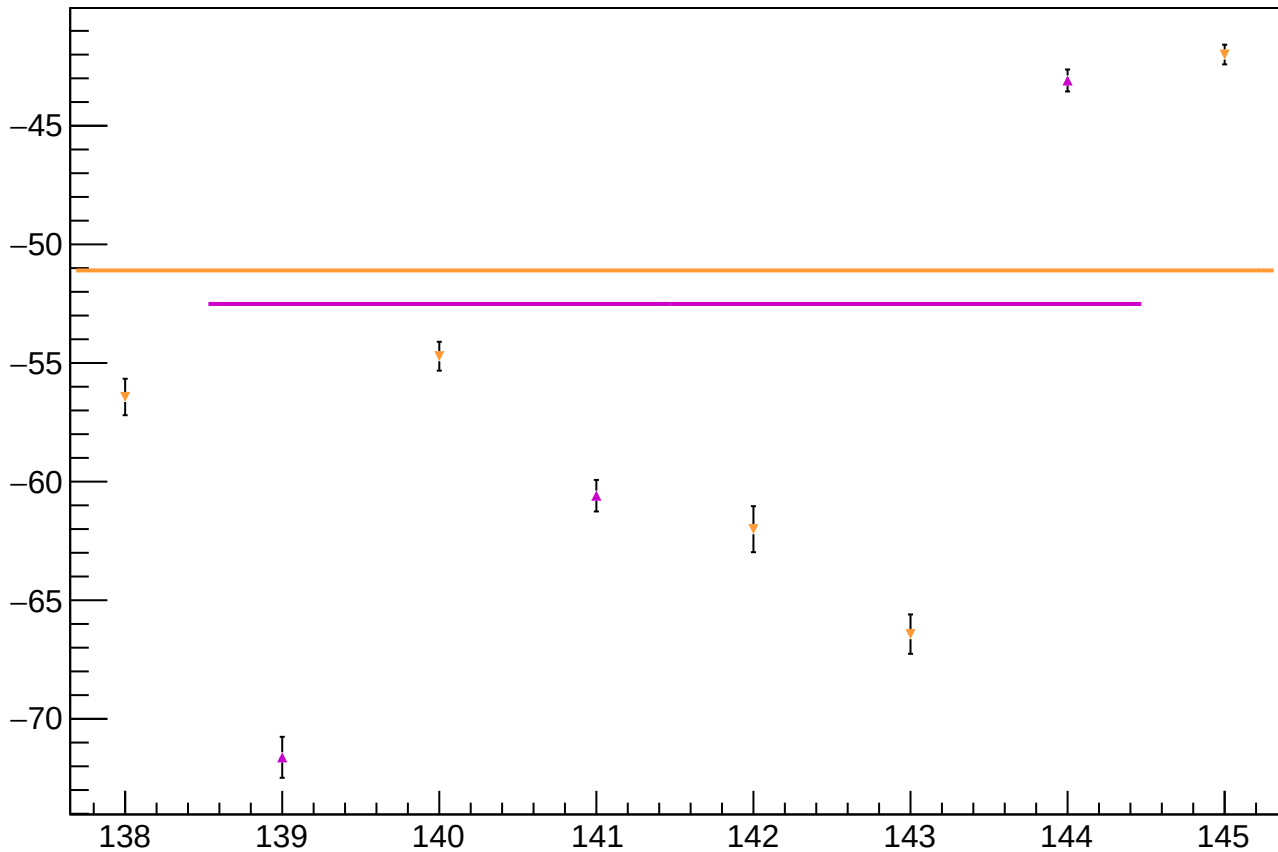
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 4.698 $\pm$ 0.249 χ^2 /NDF:82.3/2

4.689 $\pm$ 0.205 χ^2 /NDF: 148.7/4

4.698 $\pm$ 0.249 χ^2 /NDF: 82.3/2

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -51.098+/-0.281 χ^2/NDF : 1029.2/4

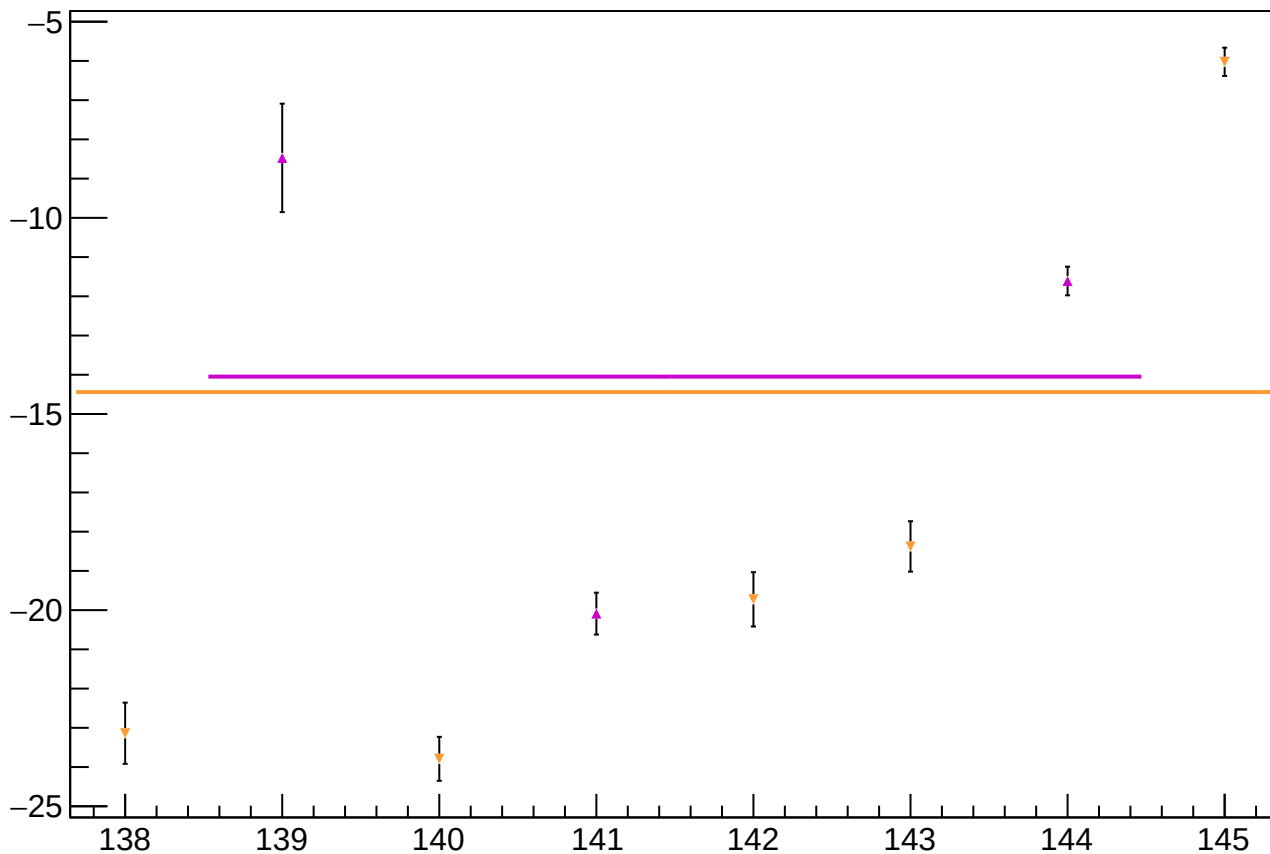
-51.098+/-0.281 χ^2/NDF : 1029.2/4

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

-52.510+/-0.348 χ^2/NDF : 1051.6/2

Left In: -52.510+/-0.348 χ^2/NDF : 1051.6/2

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -14.441 ± 0.242 $\chi^2/\text{NDF}: 1043.0/4$

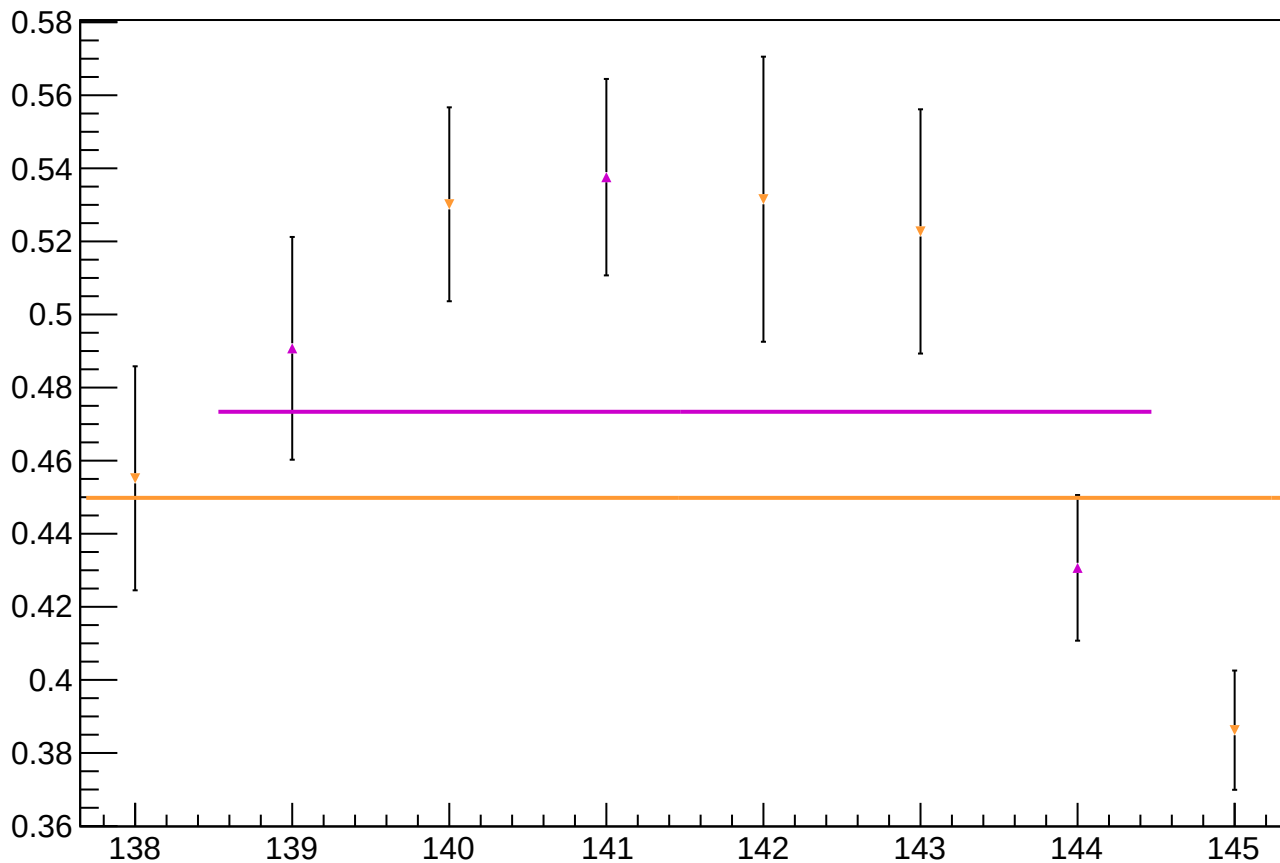
Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -14.047 ± 0.295 $\chi^2/\text{NDF}: 188.8/2$

-14.441 ± 0.242 $\chi^2/\text{NDF}: 1043.0/4$

-14.047 ± 0.295 $\chi^2/\text{NDF}: 188.8/2$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.450+/-0.011 χ^2/NDF : 33.5/4

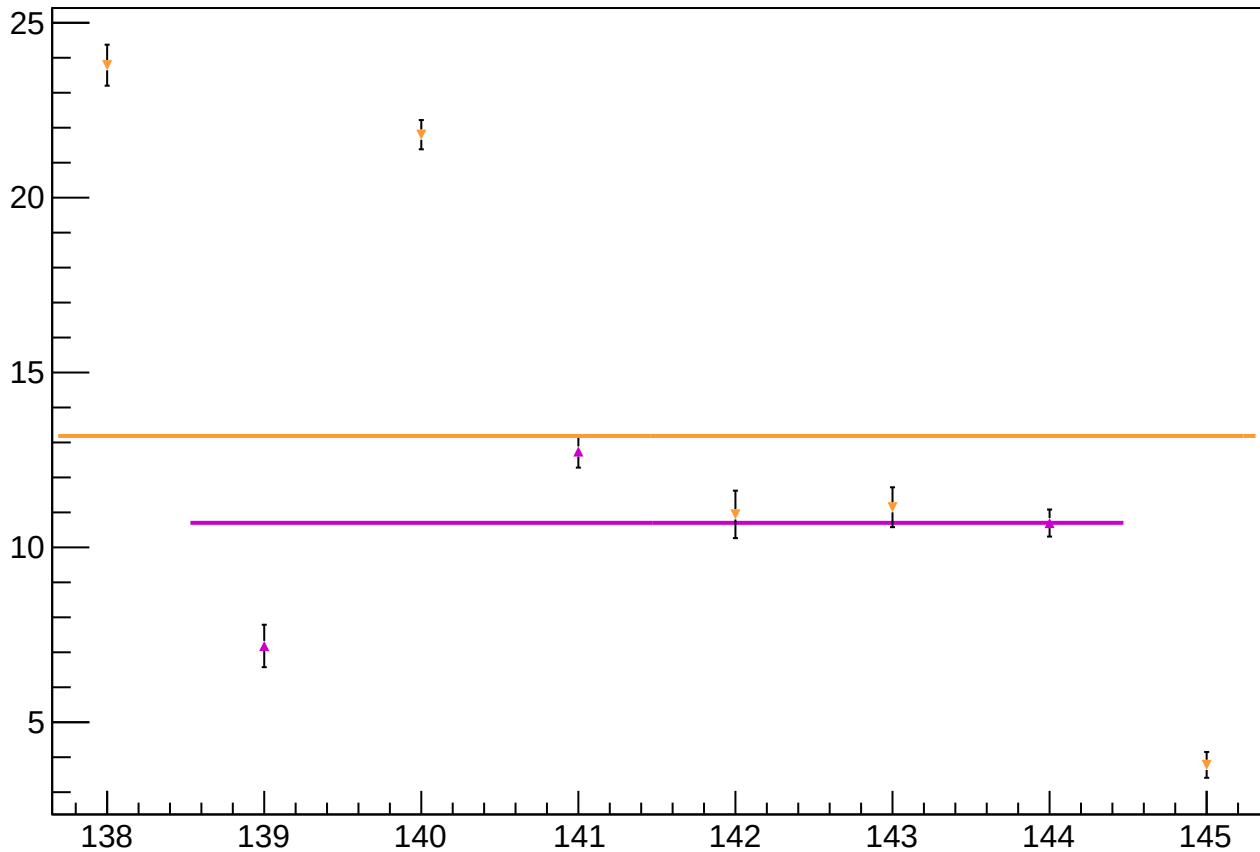
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.473+/-0.014 χ^2/NDF : 10.6/2

0.450+/-0.011 χ^2/NDF : 33.5/4

0.473+/-0.014 χ^2/NDF : 10.6/2

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 13.186+/-0.217 χ^2/NDF : 1422.4/4

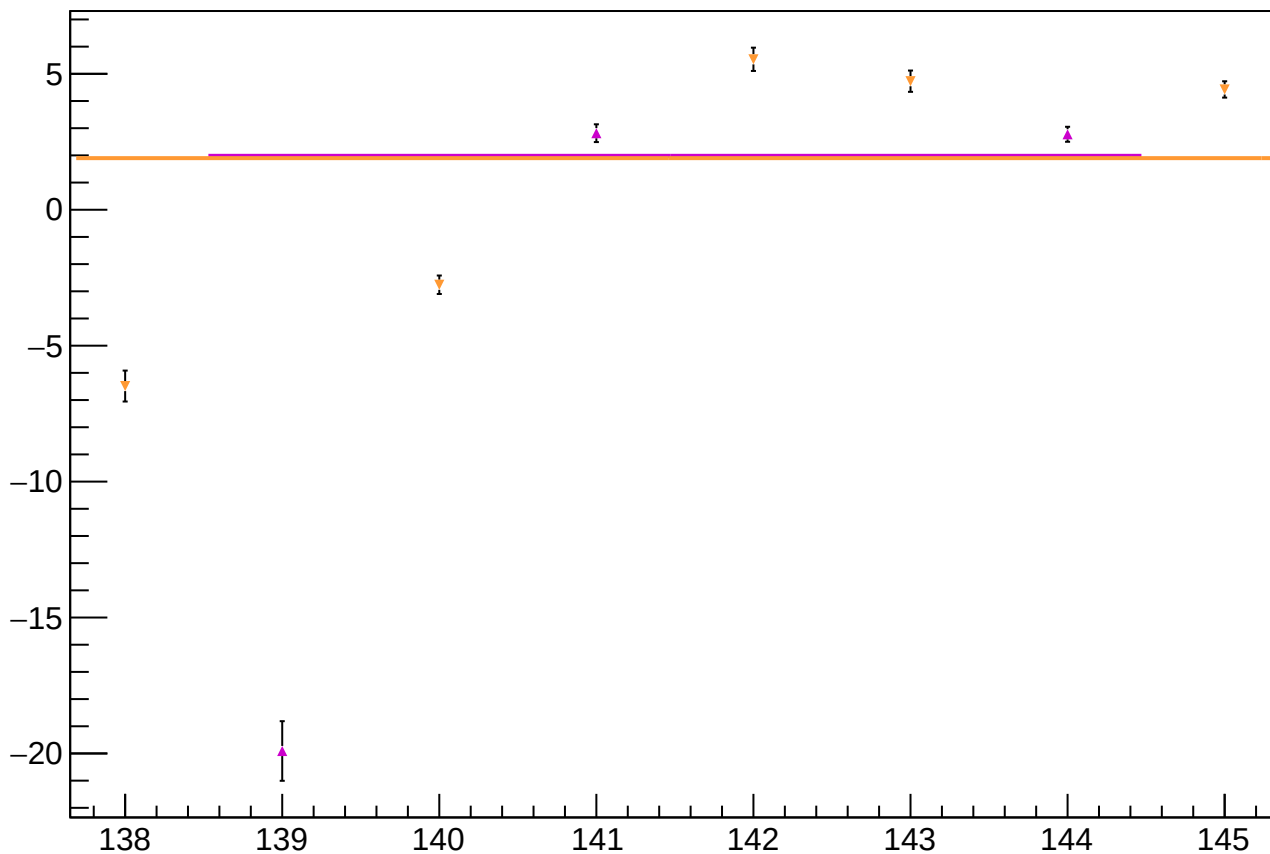
13.186+/-0.217 χ^2/NDF : 1422.4/4

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

Left In: 10.702+/-0.266 χ^2/NDF : 53.2/2

10.702+/-0.266 χ^2/NDF : 53.2/2

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 1.898+/-0.170 χ^2/NDF : 600.2/4

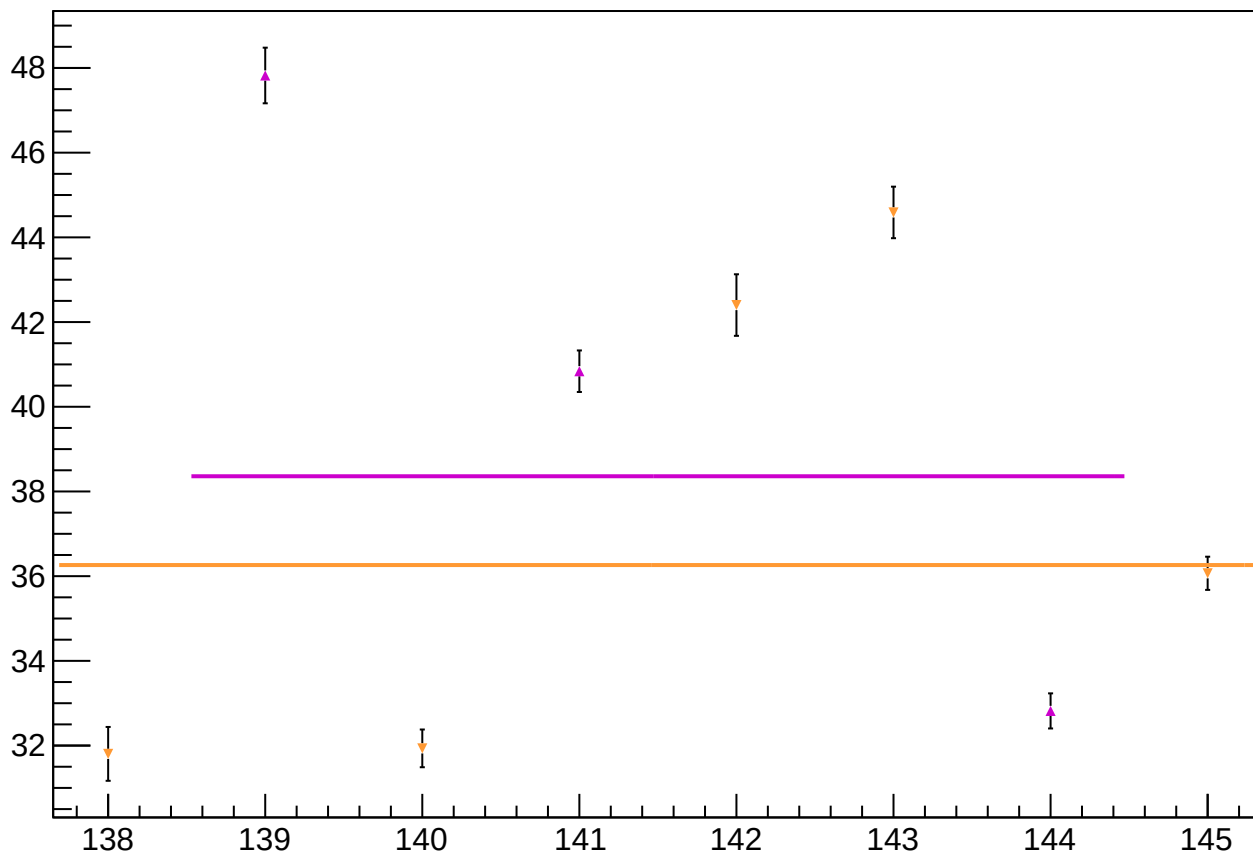
1.898+/-0.170 χ^2/NDF : 600.2/4

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

1.984+/-0.207 χ^2/NDF : 413.4/2

Left In: 1.984+/-0.207 χ^2/NDF : 413.4/2

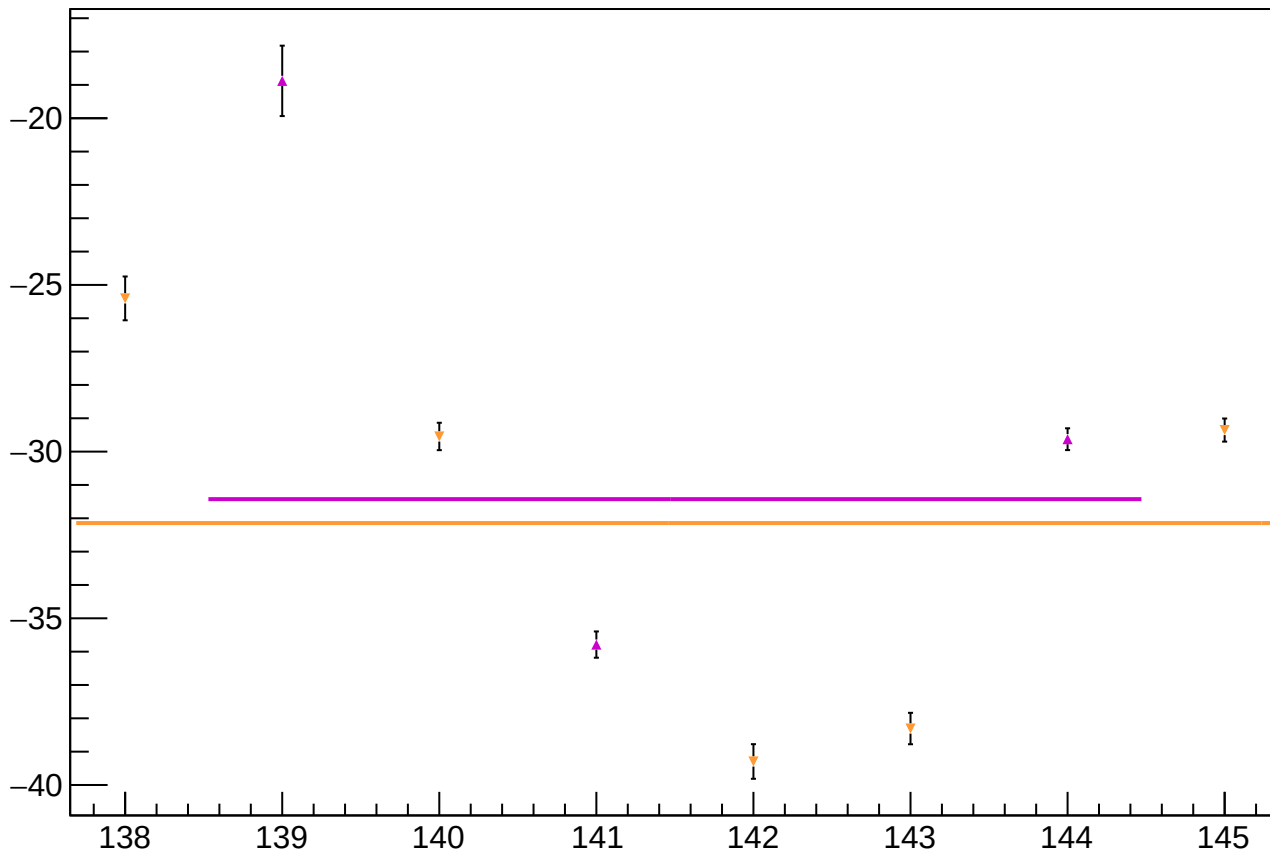
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 36.262+/-0.232 χ^2/NDF : 402.5/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 38.359+/-0.285 χ^2/NDF : 411.8/2

36.262+/-0.232 χ^2/NDF : 402.5/4
 38.359+/-0.285 χ^2/NDF : 411.8/2

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -32.143+/-0.201 χ^2/NDF : 570.6/4

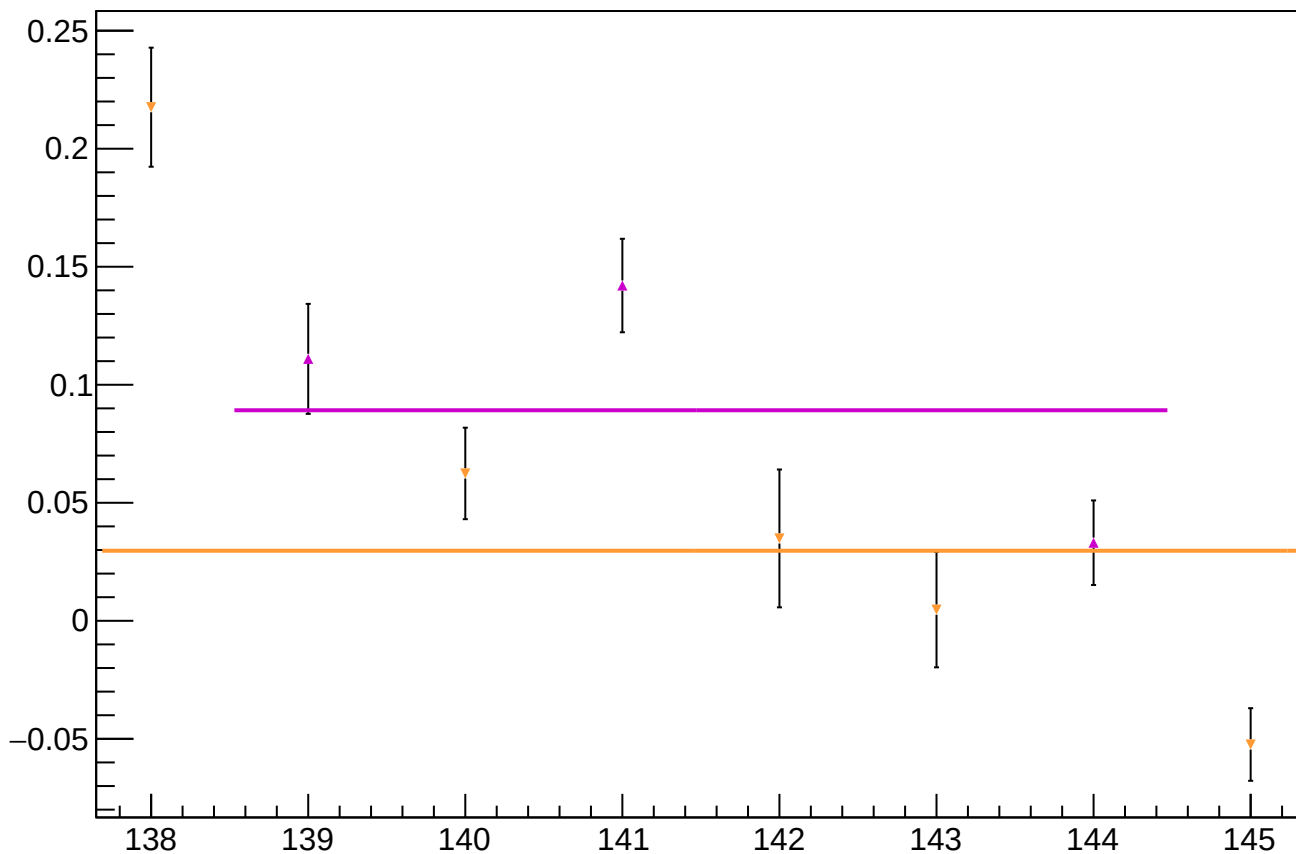
-32.143+/-0.201 χ^2/NDF : 570.6/4

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

-31.426+/-0.245 χ^2/NDF : 293.9/2

Left In: -31.426+/-0.245 χ^2/NDF : 293.9/2

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



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

Left Out: 0.030 $\pm$ 0.009 χ^2 /NDF: 87.9/4

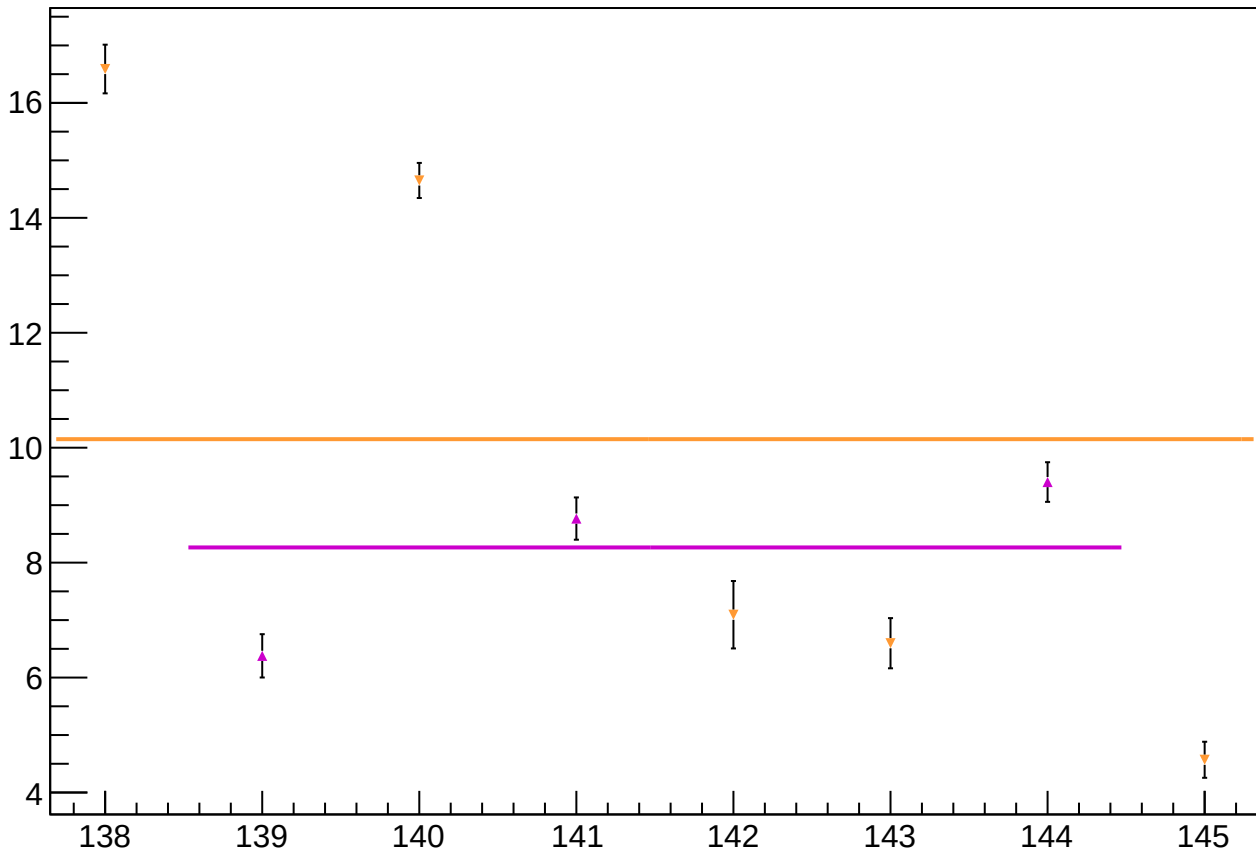
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.089 $\pm$ 0.012 χ^2 /NDF: 17.8/2

0.030 $\pm$ 0.009 χ^2 /NDF: 87.9/4

0.089 $\pm$ 0.012 χ^2 /NDF: 17.8/2

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 10.149+/-0.170 χ^2/NDF : 858.1/4

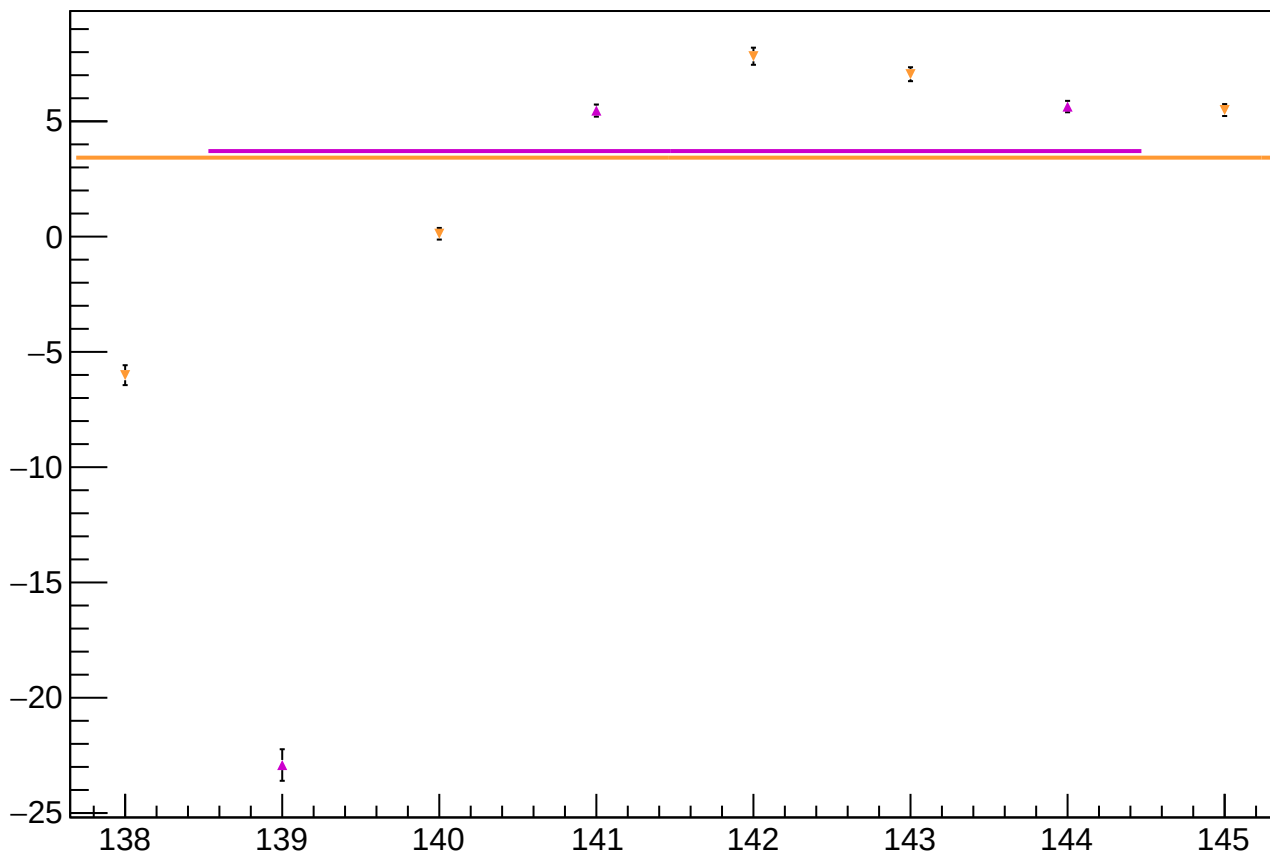
10.149+/-0.170 χ^2/NDF : 858.1/4

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

8.264+/-0.209 χ^2/NDF : 37.8/2

Left In: 8.264+/-0.209 χ^2/NDF : 37.8/2

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 3.424 $\pm$ 0.136 χ^2 /NDF:995.7/4

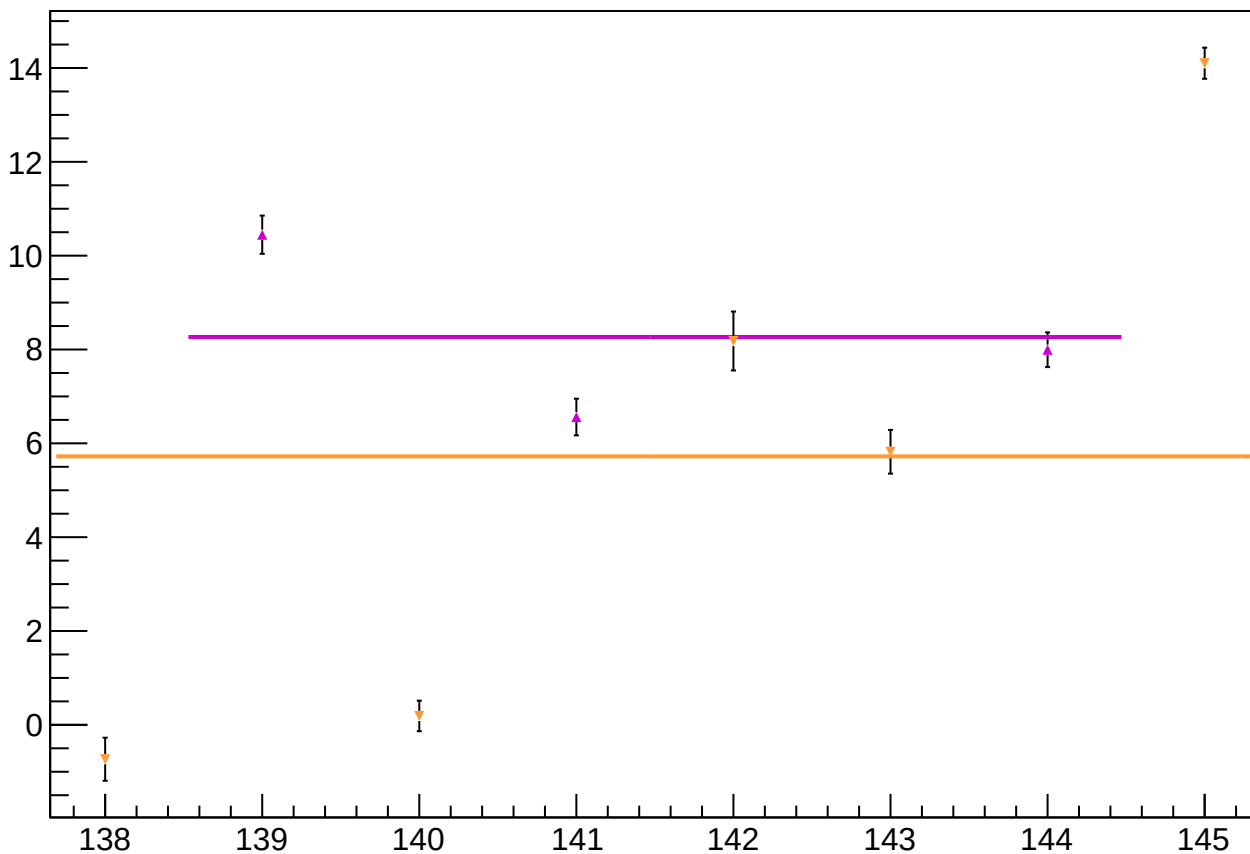
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 3.710 $\pm$ 0.174 χ^2 /NDF:1619.1/2

3.424 $\pm$ 0.136 χ^2 /NDF: 995.7/4

3.710 $\pm$ 0.174 χ^2 /NDF: 1619.1/2

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 5.723+/-0.181 χ^2/NDF : 1140.6/4

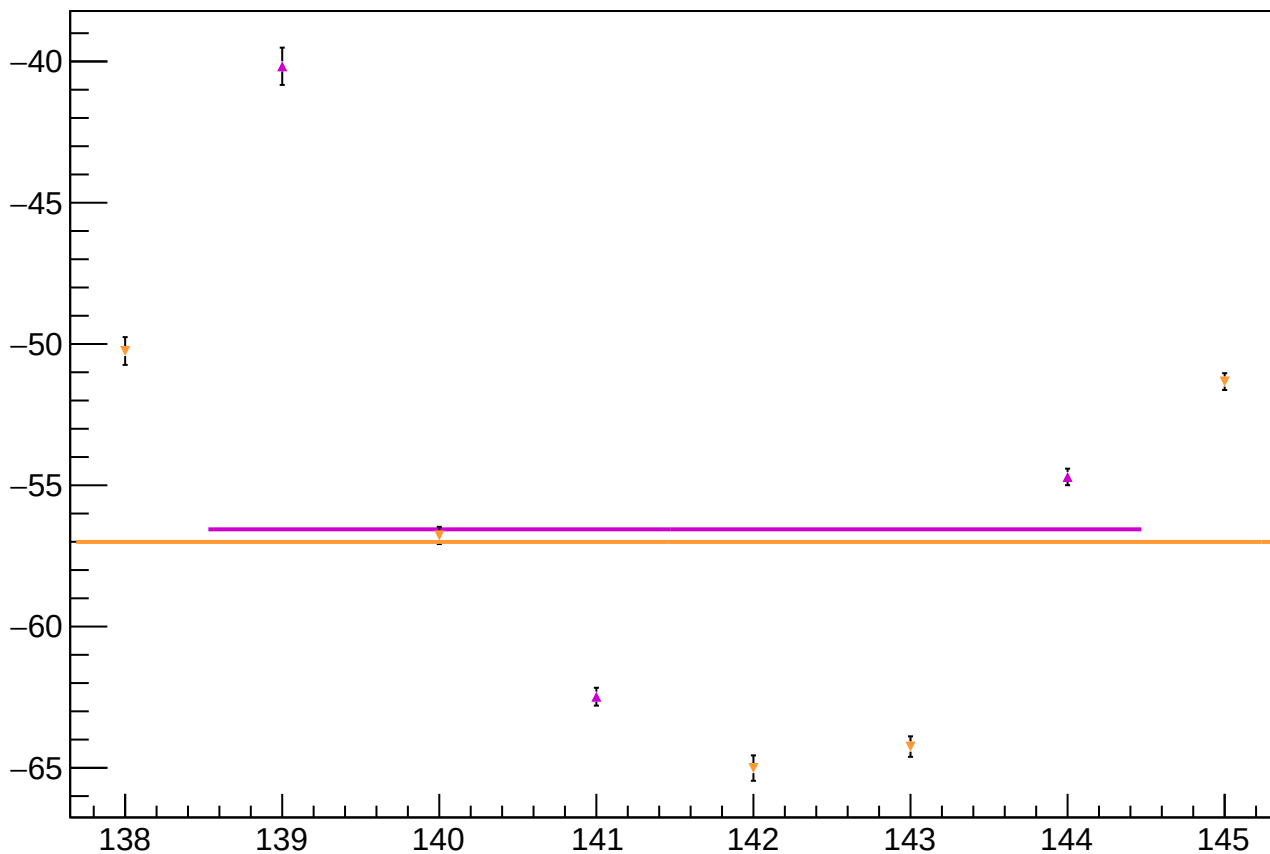
5.723+/-0.181 χ^2/NDF : 1140.6/4

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

8.267+/-0.224 χ^2/NDF : 48.2/2

Left In: 8.267+/-0.224 χ^2/NDF : 48.2/2

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -57.005+/-0.161 χ^2/NDF : 1270.2/4

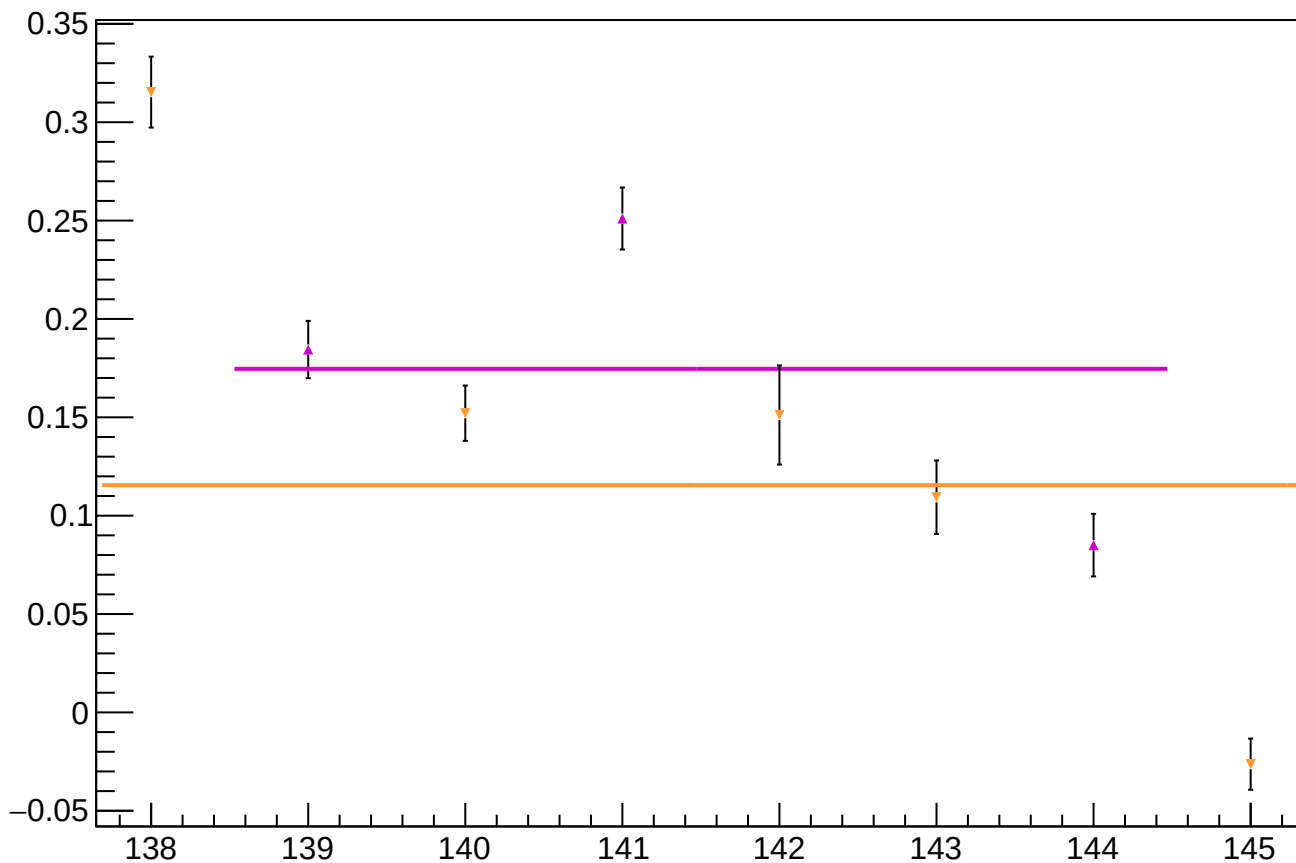
-57.005+/-0.161 χ^2/NDF : 1270.2/4

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

Left In: -56.559+/-0.204 χ^2/NDF : 1009.2/2

-56.559+/-0.204 χ^2/NDF : 1009.2/2

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



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

Left Out: 0.116+/-0.007 χ^2/NDF : 250.7/4

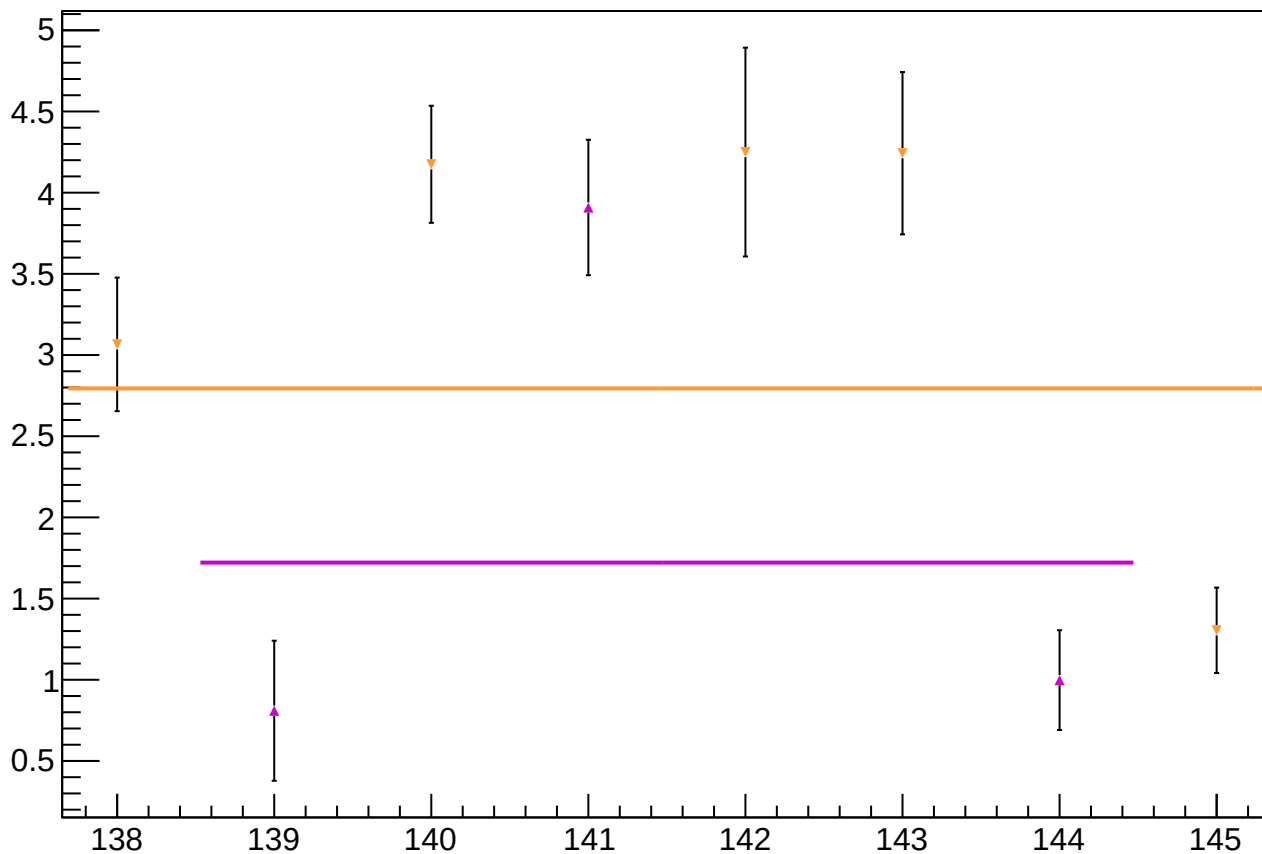
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.175+/-0.009 χ^2/NDF : 55.7/2

0.116+/-0.007 χ^2/NDF : 250.7/4

0.175+/-0.009 χ^2/NDF : 55.7/2

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: 2.794 $\pm$ 0.170 χ^2 /NDF:60.7/4

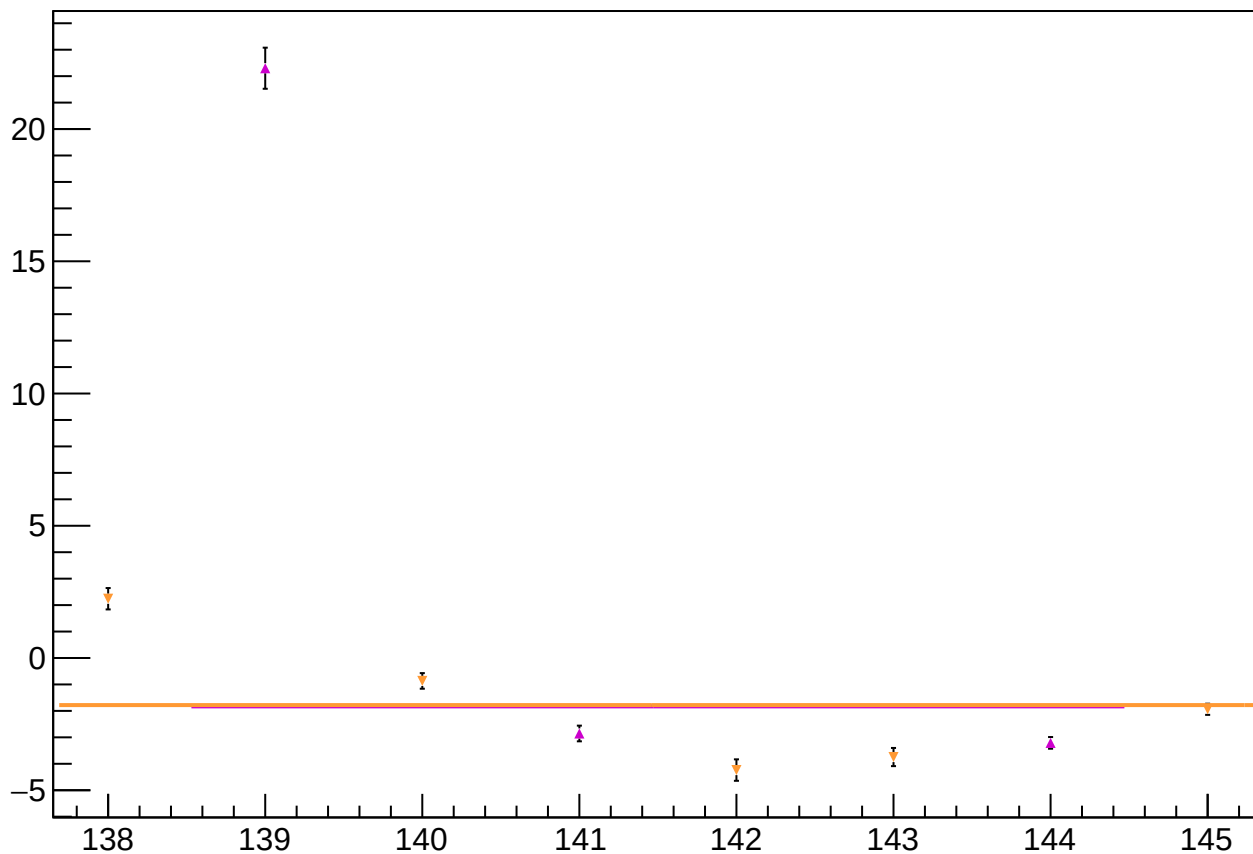
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 1.722 $\pm$ 0.215 χ^2 /NDF:37.5/2

2.794 $\pm$ 0.170 χ^2 /NDF: 60.7/4

1.722 $\pm$ 0.215 χ^2 /NDF: 37.5/2

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



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

Left Out: -1.781+/-0.135 χ^2/NDF : 178.5/4

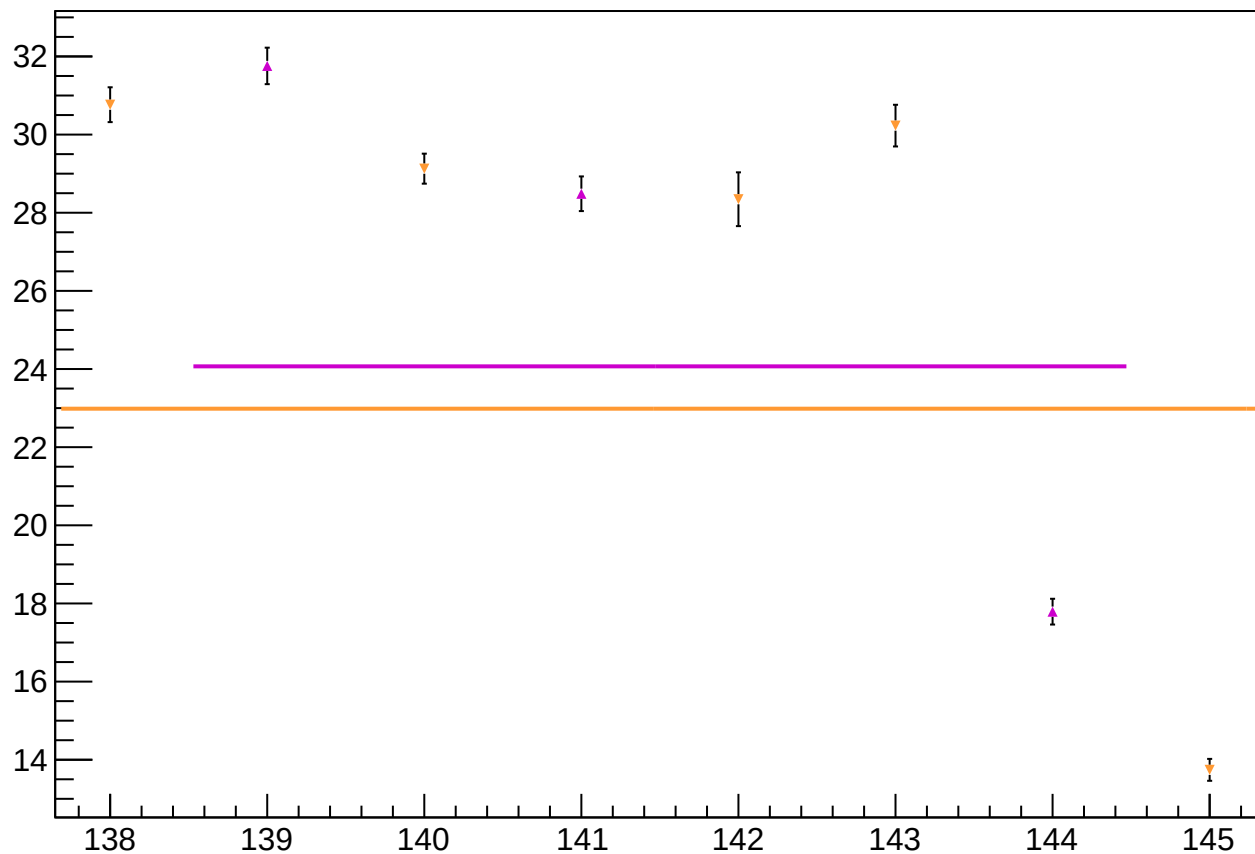
-1.781+/-0.135 χ^2/NDF : 178.5/4

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

-1.829+/-0.173 χ^2/NDF : 1015.0/2

Left In: -1.829+/-0.173 χ^2/NDF : 1015.0/2

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 22.985+/-0.182 χ^2/NDF :1892.7/4

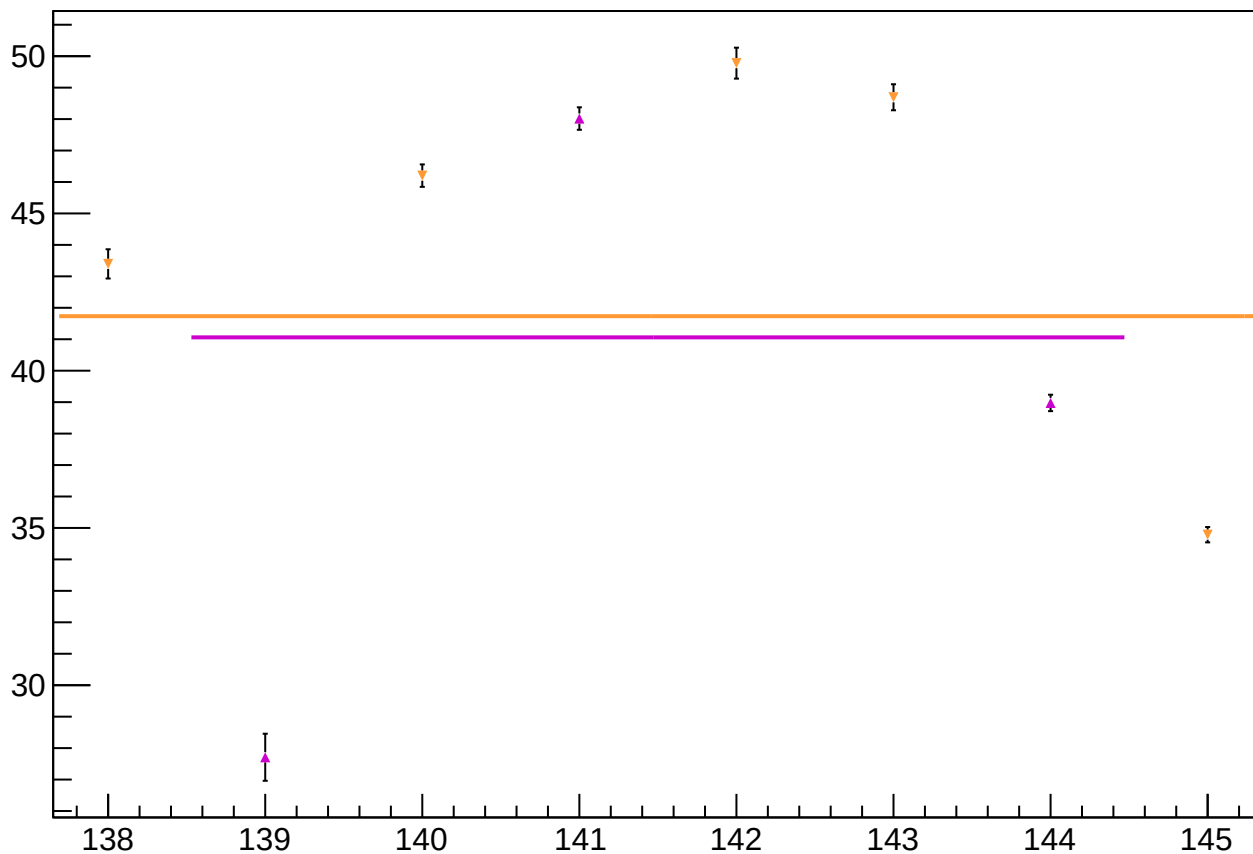
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 24.068+/-0.230 χ^2/NDF :732.8/2

22.985+/-0.182 χ^2/NDF : 1892.7/4

24.068+/-0.230 χ^2/NDF : 732.8/2

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 41.733 ± 0.160 $\chi^2/\text{NDF}: 1531.6/4$

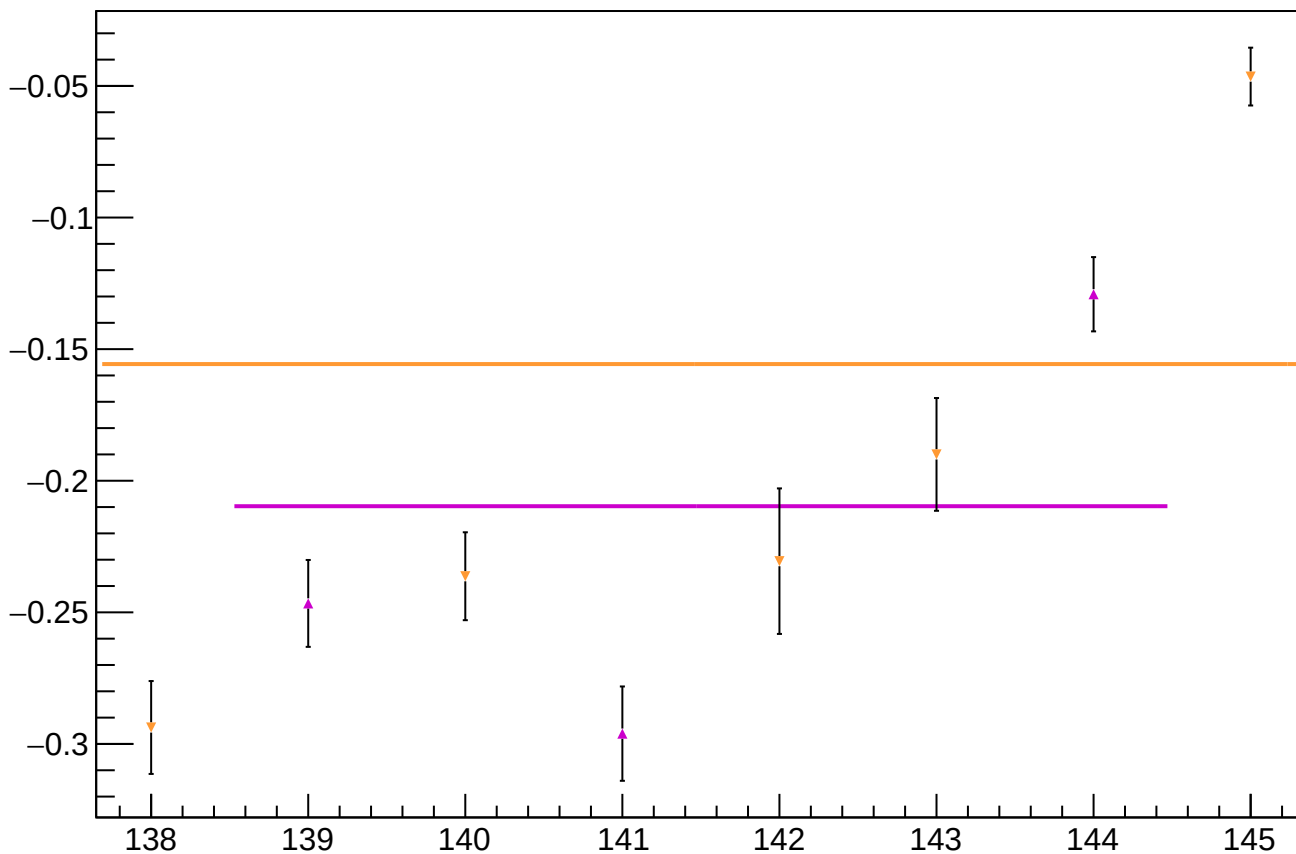
41.733 ± 0.160 $\chi^2/\text{NDF}: 1531.6/4$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 41.060 ± 0.203 $\chi^2/\text{NDF}: 760.8/2$

41.060 ± 0.203 $\chi^2/\text{NDF}: 760.8/2$

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.156 $\pm$ 0.007 χ^2 /NDF:193.3/4

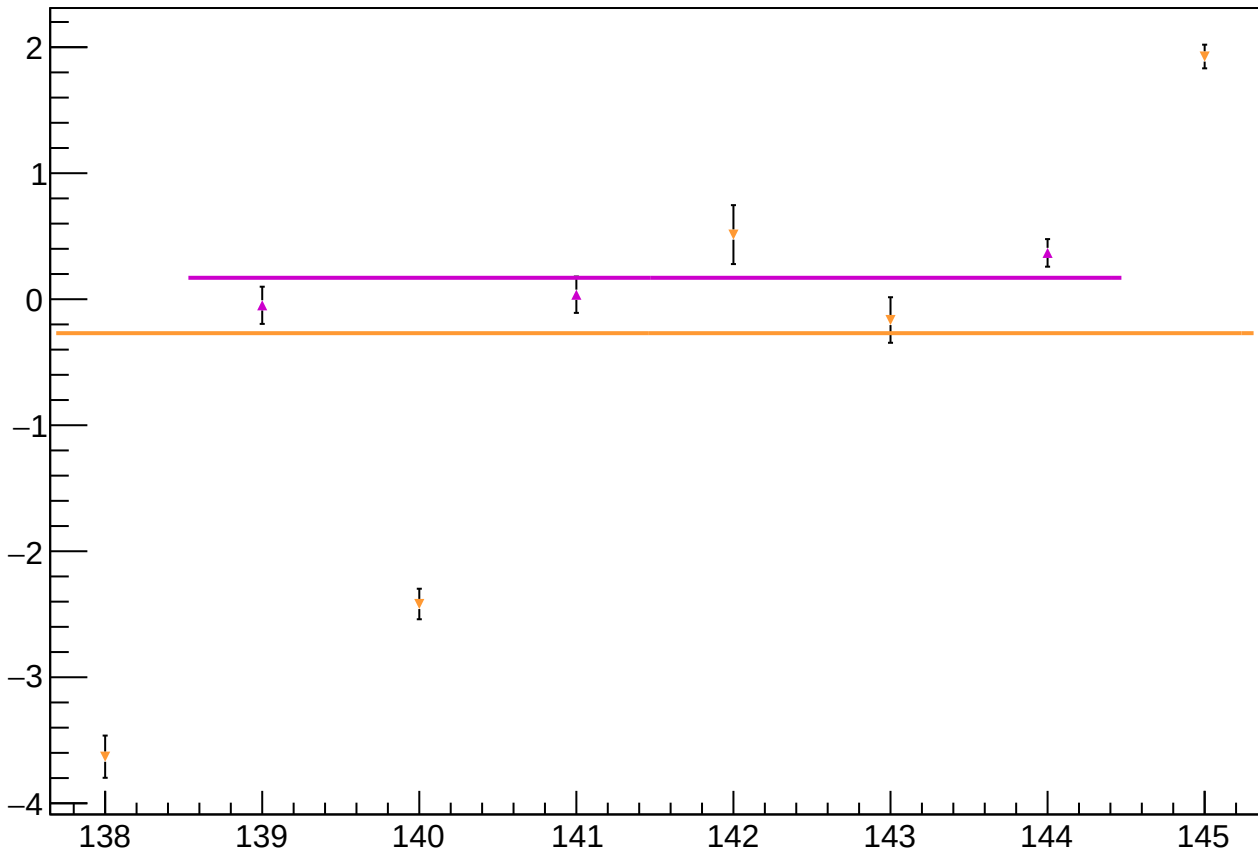
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.210 $\pm$ 0.009 χ^2 /NDF:60.8/2

-0.156 $\pm$ 0.007 χ^2 /NDF: 193.3/4

-0.210 $\pm$ 0.009 χ^2 /NDF: 60.8/2

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.269+/-0.061 χ^2/NDF :1275.0/4

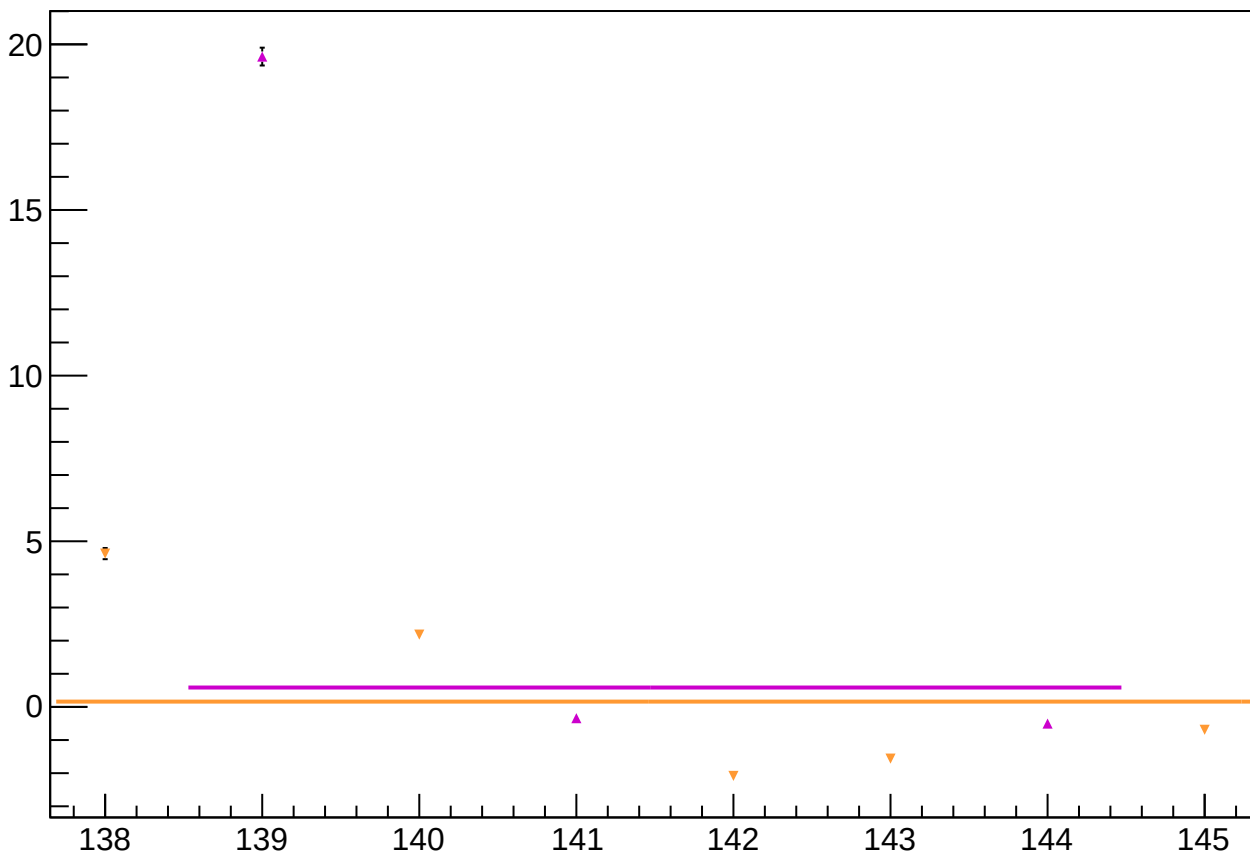
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.170+/-0.075 χ^2/NDF :6.3/2

-0.269+/-0.061 χ^2/NDF : 1275.0/4

0.170+/-0.075 χ^2/NDF : 6.3/2

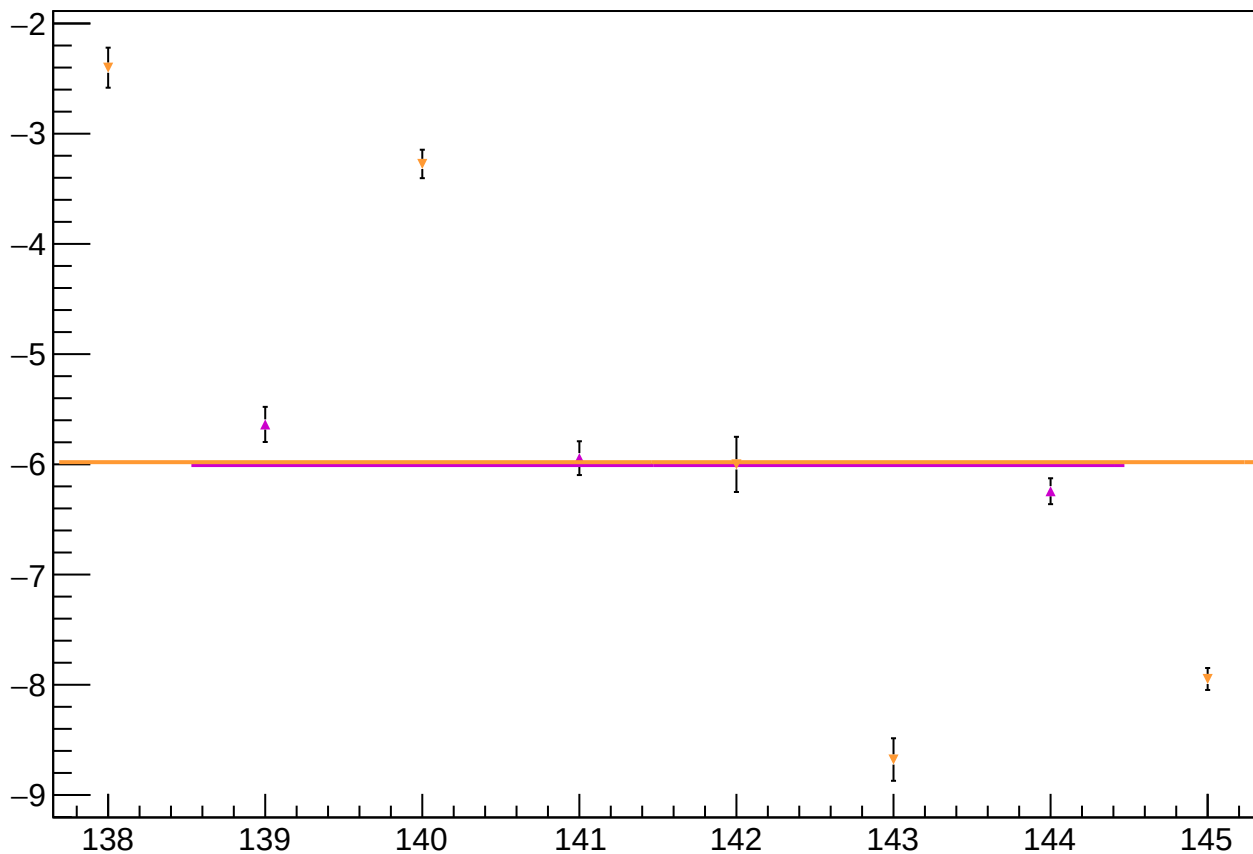
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.160+/-0.049 χ^2/NDF :1648.5/4
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.585+/-0.061 χ^2/NDF :5284.5/2

0.160+/-0.049 χ^2/NDF : 1648.5/4
 0.585+/-0.061 χ^2/NDF : 5284.5/2

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: -5.980+/-0.065 χ^2/NDF : 1413.5/4

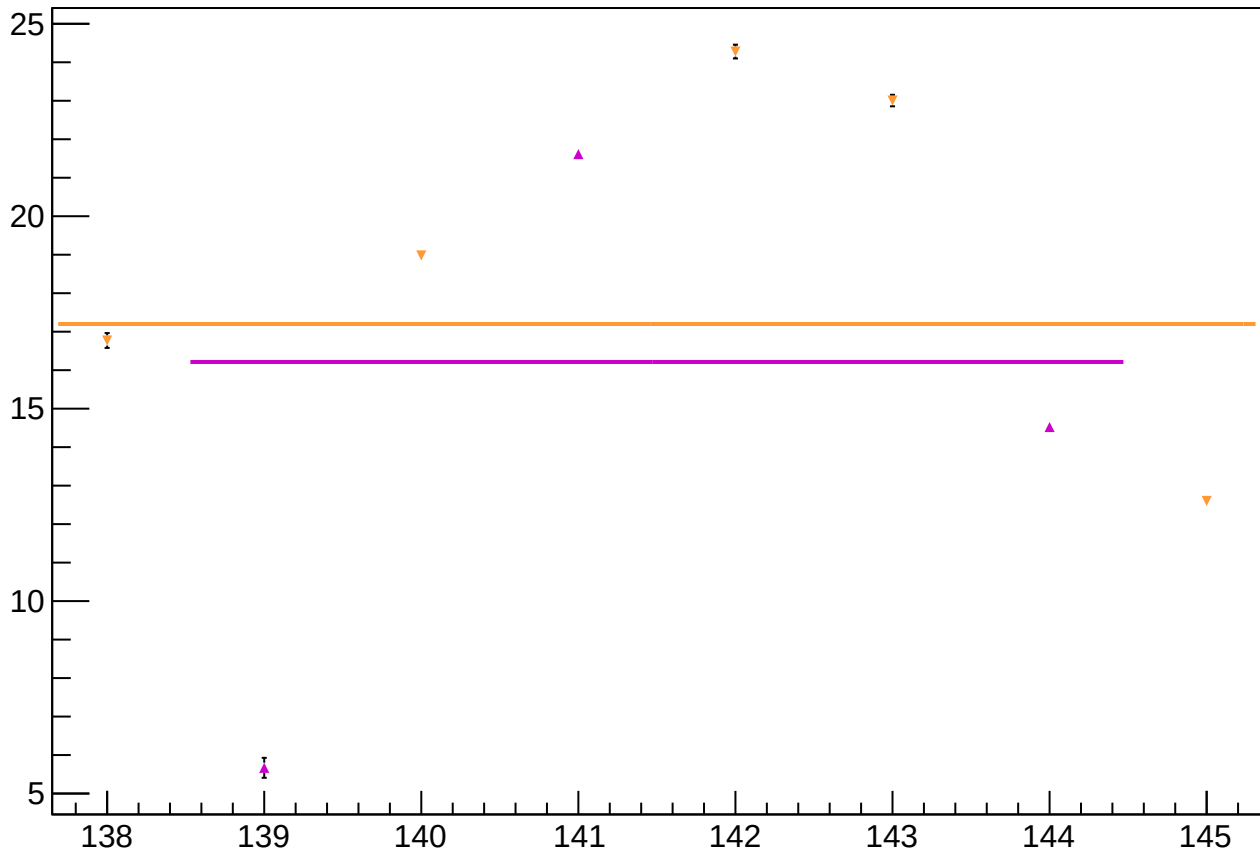
-5.980+/-0.065 χ^2/NDF : 1413.5/4

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

-6.007+/-0.080 χ^2/NDF : 9.6/2

Left In: -6.007+/-0.080 χ^2/NDF : 9.6/2

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 17.200+/-0.058 χ^2/NDF : 5998.3/4

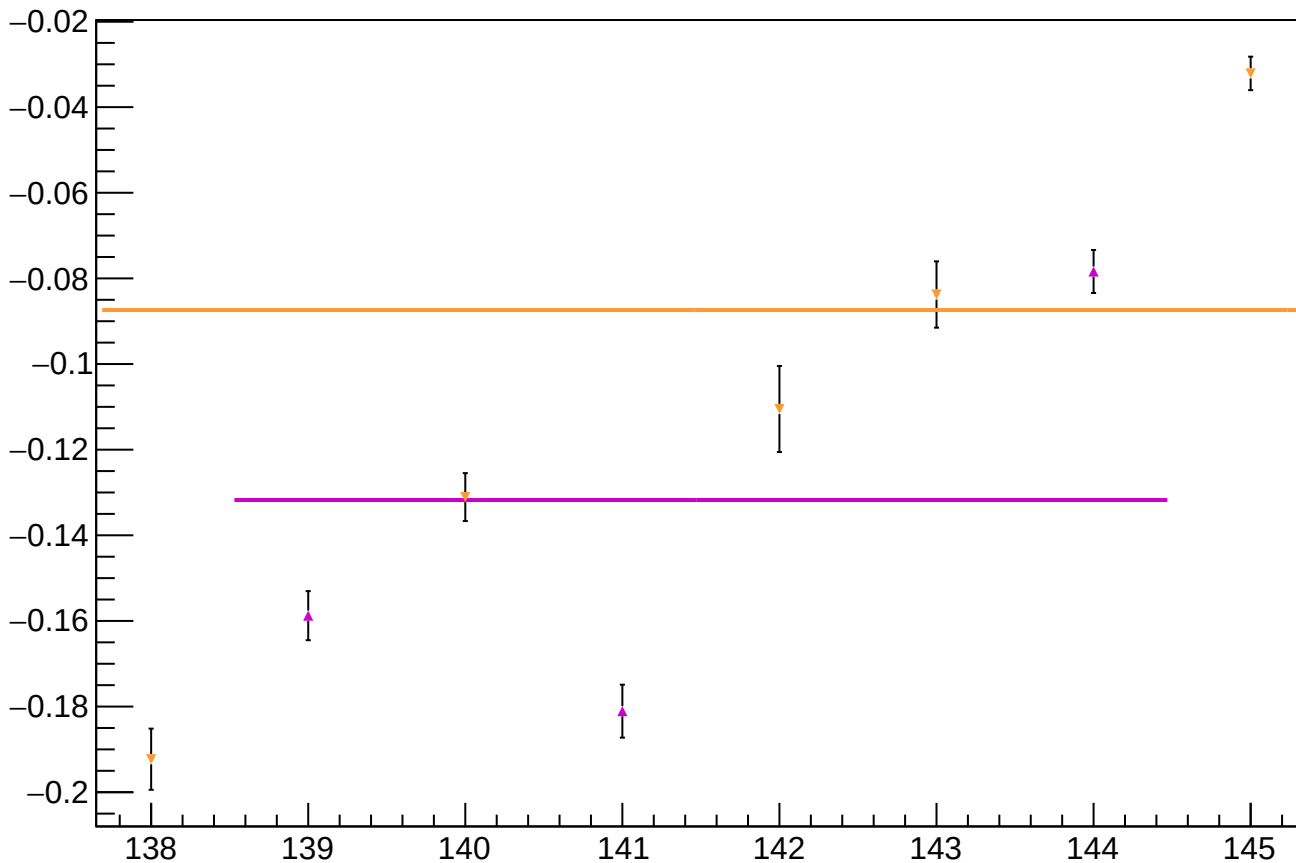
17.200+/-0.058 χ^2/NDF : 5998.3/4

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

Left In: 16.213+/-0.071 χ^2/NDF : 3887.8/2

16.213+/-0.071 χ^2/NDF : 3887.8/2

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.087+/-0.003 χ^2 /NDF: 482.1/4

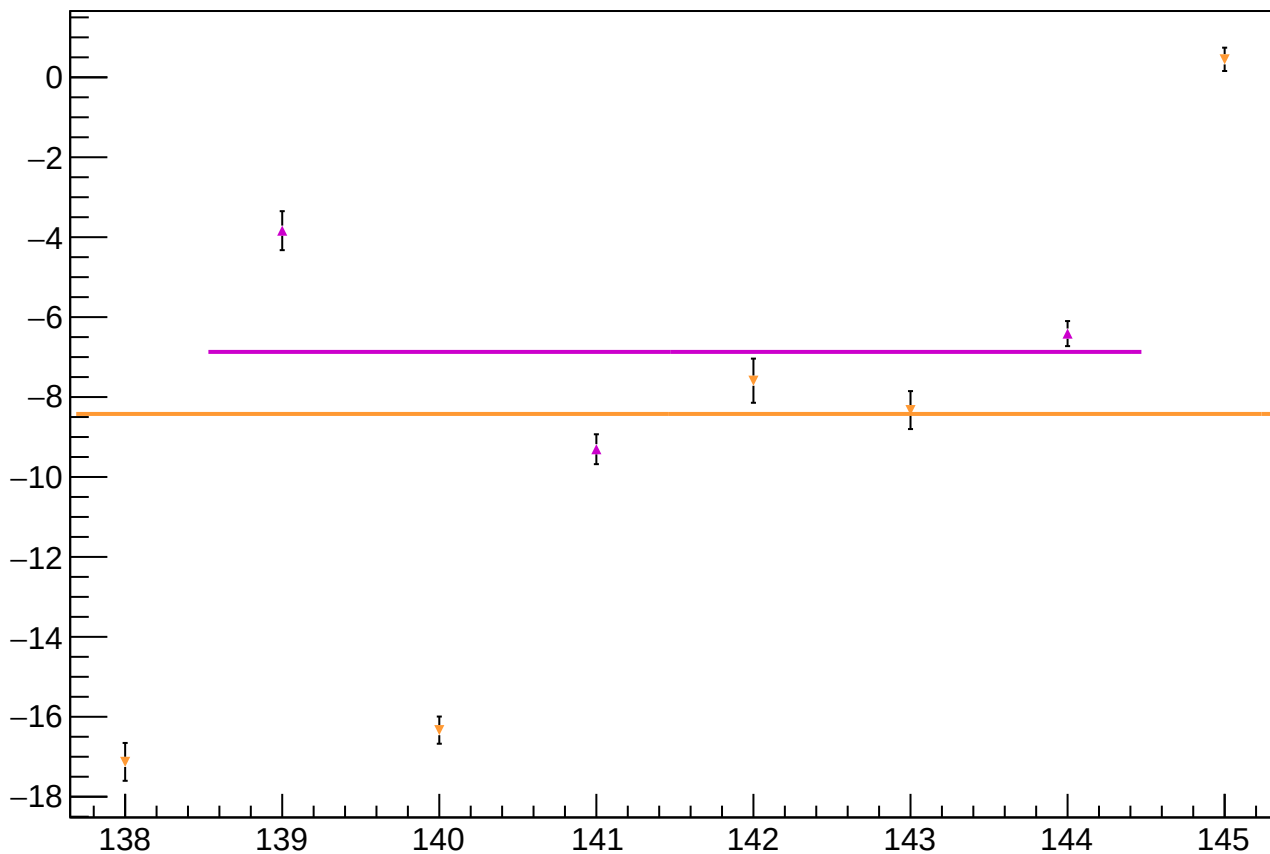
-0.087+/-0.003 χ^2 /NDF: 482.1/4

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

-0.132+/-0.003 χ^2 /NDF: 198.6/2

Left In: -0.132+/-0.003 χ^2 /NDF: 198.6/2

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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

Left Out: -8.423+/-0.175 χ^2/NDF : 1805.3/4

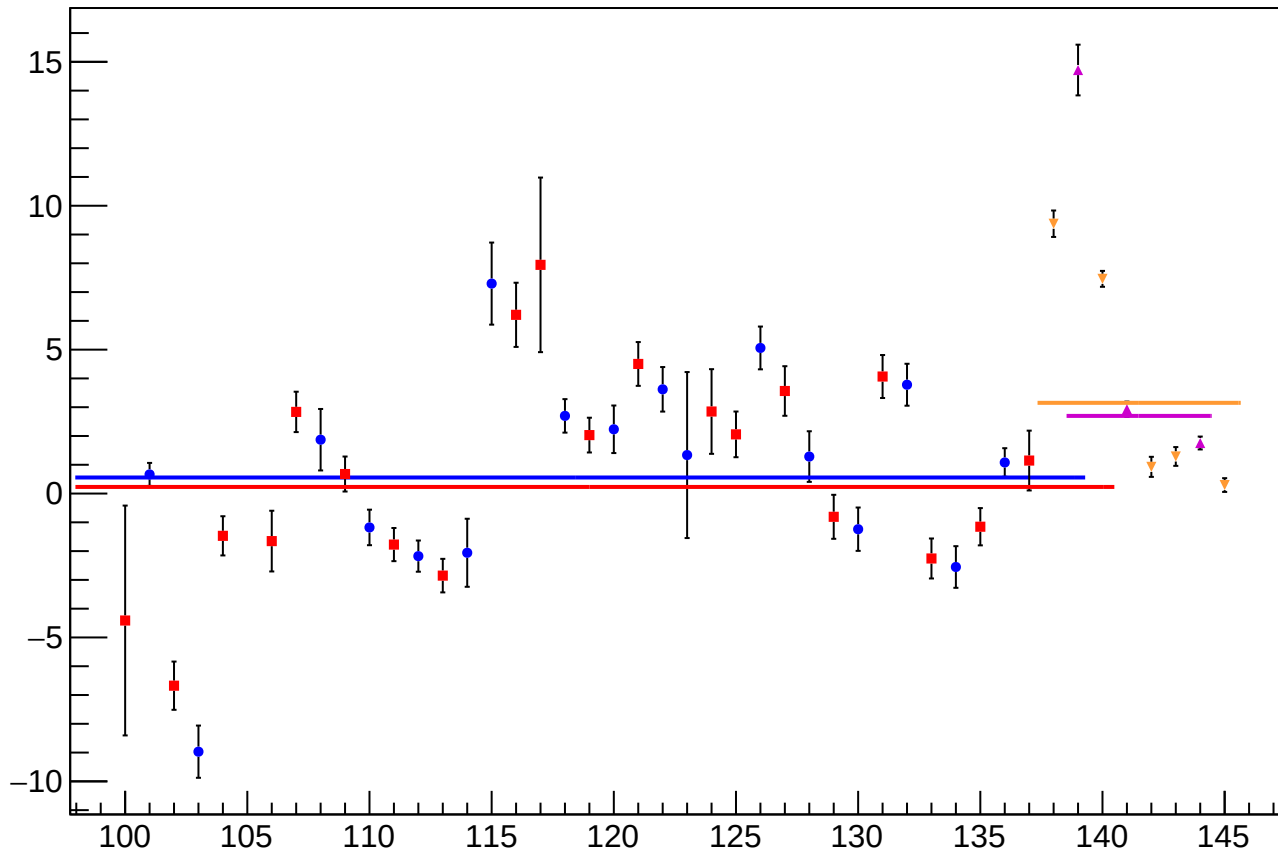
-8.423+/-0.175 χ^2/NDF : 1805.3/4

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

Left In: -6.870+/-0.216 χ^2/NDF : 83.2/2

-6.870+/-0.216 χ^2/NDF : 83.2/2

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558+/-0.170 χ^2/NDF : 287.9/16

Left Out: 3.152+/-0.137 χ^2/NDF : 643.1/4

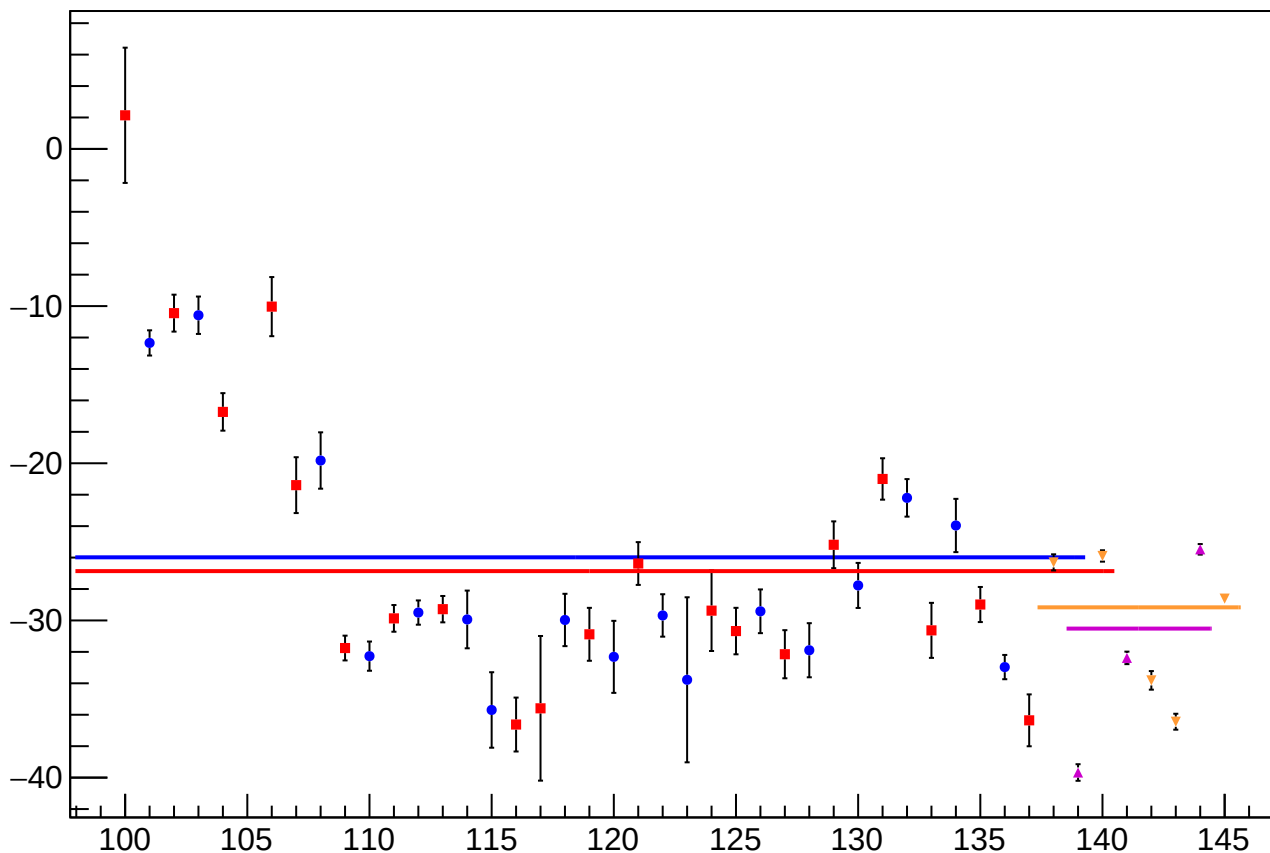
Right Out: 0.230+/-0.174 χ^2/NDF : 278.5/19

Left In: 2.698+/-0.168 χ^2/NDF : 204.4/2

2.129+/-0.107 χ^2/NDF : 1071.8/21

1.510+/-0.121 χ^2/NDF : 587.0/22

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -29.167 ± 0.187 χ^2/NDF : 383.7/4

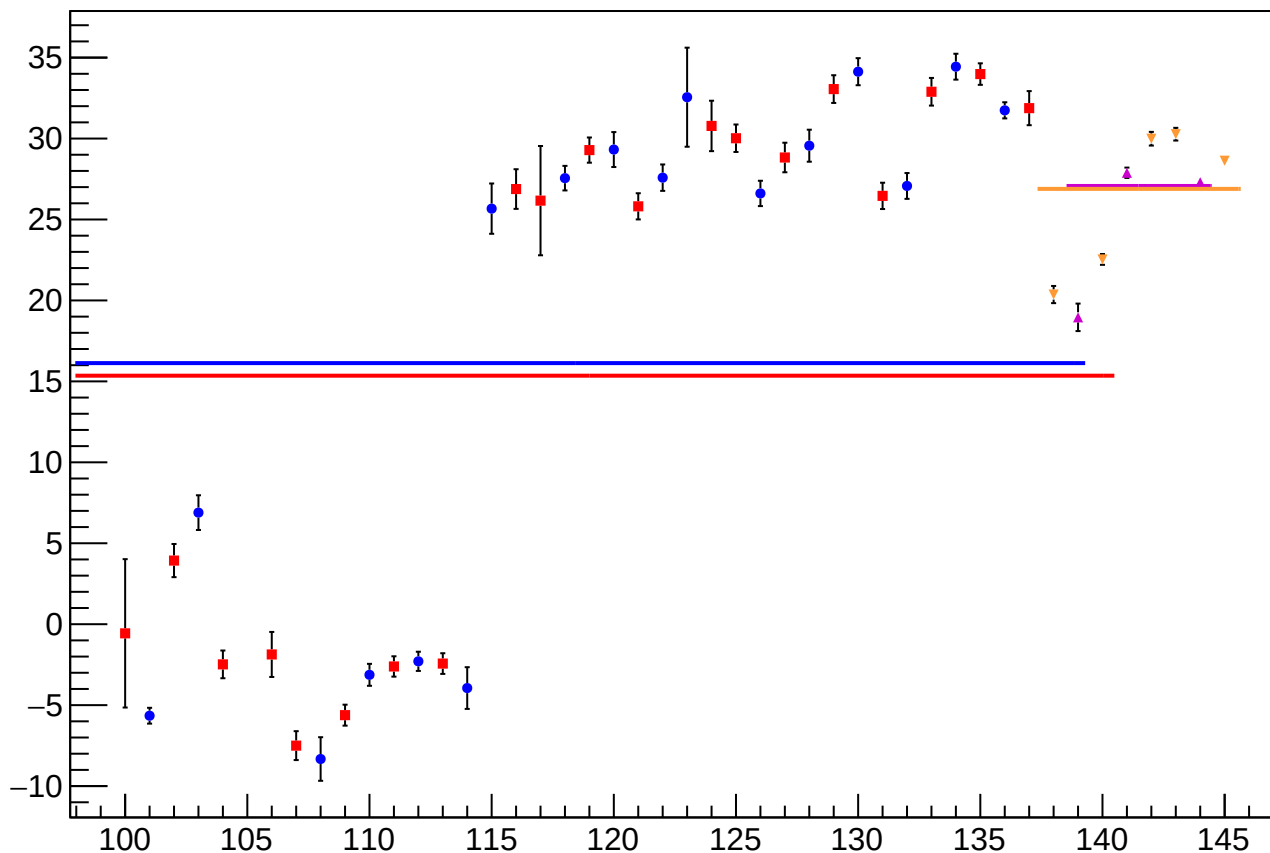
Right Out: -26.861 ± 0.297 χ^2/NDF : 585.2/19

Left In: -30.519 ± 0.231 χ^2/NDF : 548.3/2

-28.279 ± 0.159 χ^2/NDF : 1156.1/21

-29.142 ± 0.182 χ^2/NDF : 1228.0/22

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 26.891 $\pm$ 0.163 χ^2 /NDF: 489.6/4

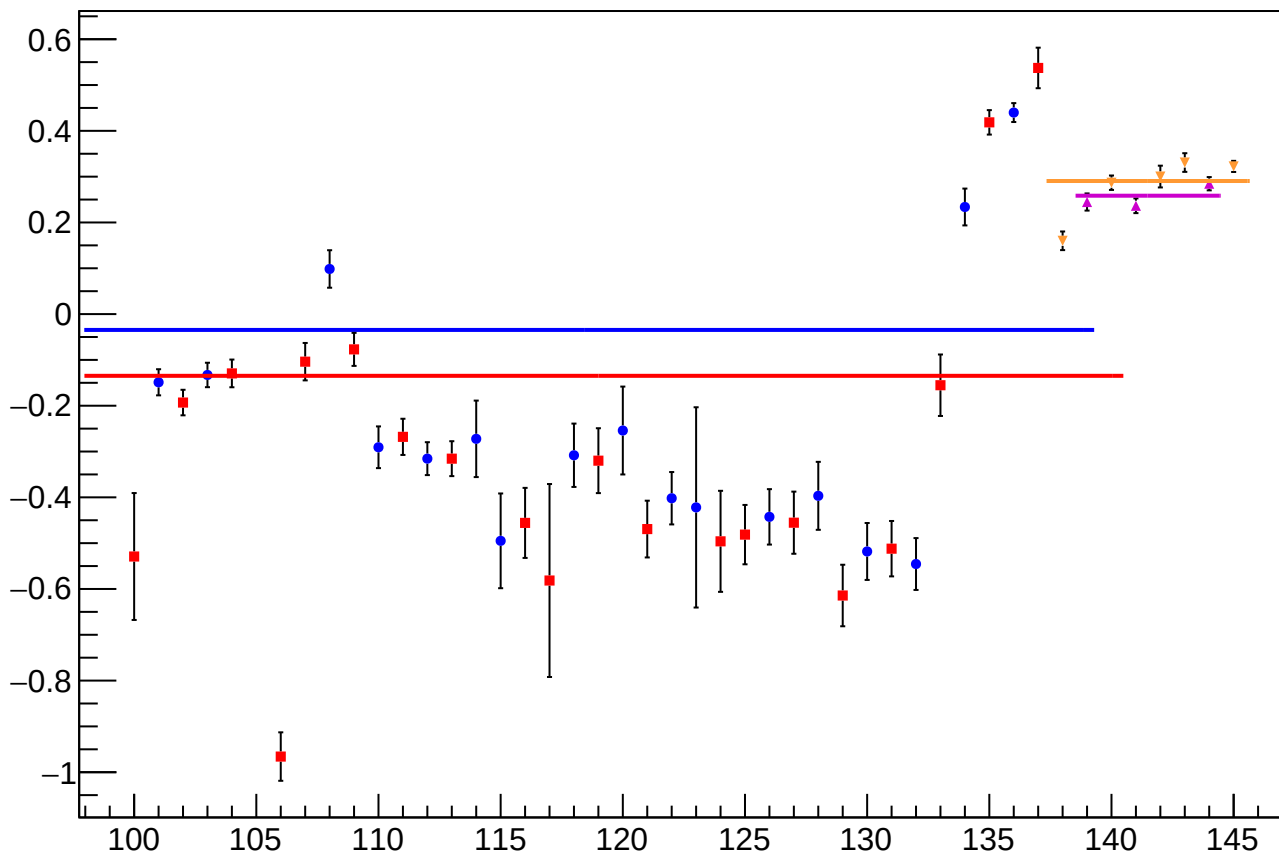
Right Out: 15.352 $\pm$ 0.197 χ^2 /NDF: 7288.4/19

Left In: 27.071 $\pm$ 0.199 χ^2 /NDF: 98.7/2

22.399 $\pm$ 0.124 χ^2 /NDF: 9891.6/21

21.157 $\pm$ 0.140 χ^2 /NDF: 9145.9/22

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035 $\pm$ 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.291 $\pm$ 0.008 χ^2/NDF : 52.2/4

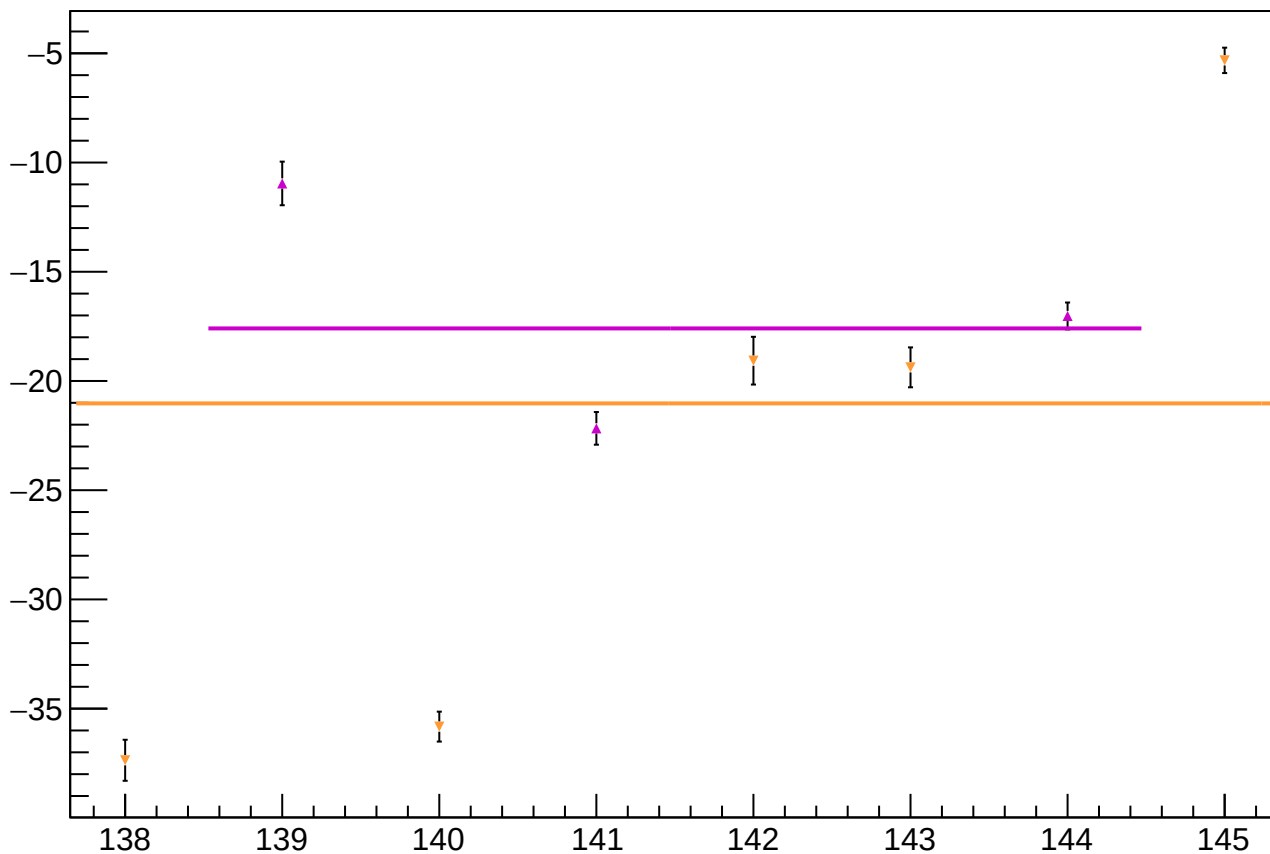
Right Out: -0.135 $\pm$ 0.010 χ^2/NDF : 1166.4/19

Left In: 0.258 $\pm$ 0.009 χ^2/NDF : 5.7/2

0.177 $\pm$ 0.006 χ^2/NDF : 1707.6/21

0.082 $\pm$ 0.007 χ^2/NDF : 1967.2/22

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

-21.026+/-0.348 χ^2/NDF : 1505.3/4

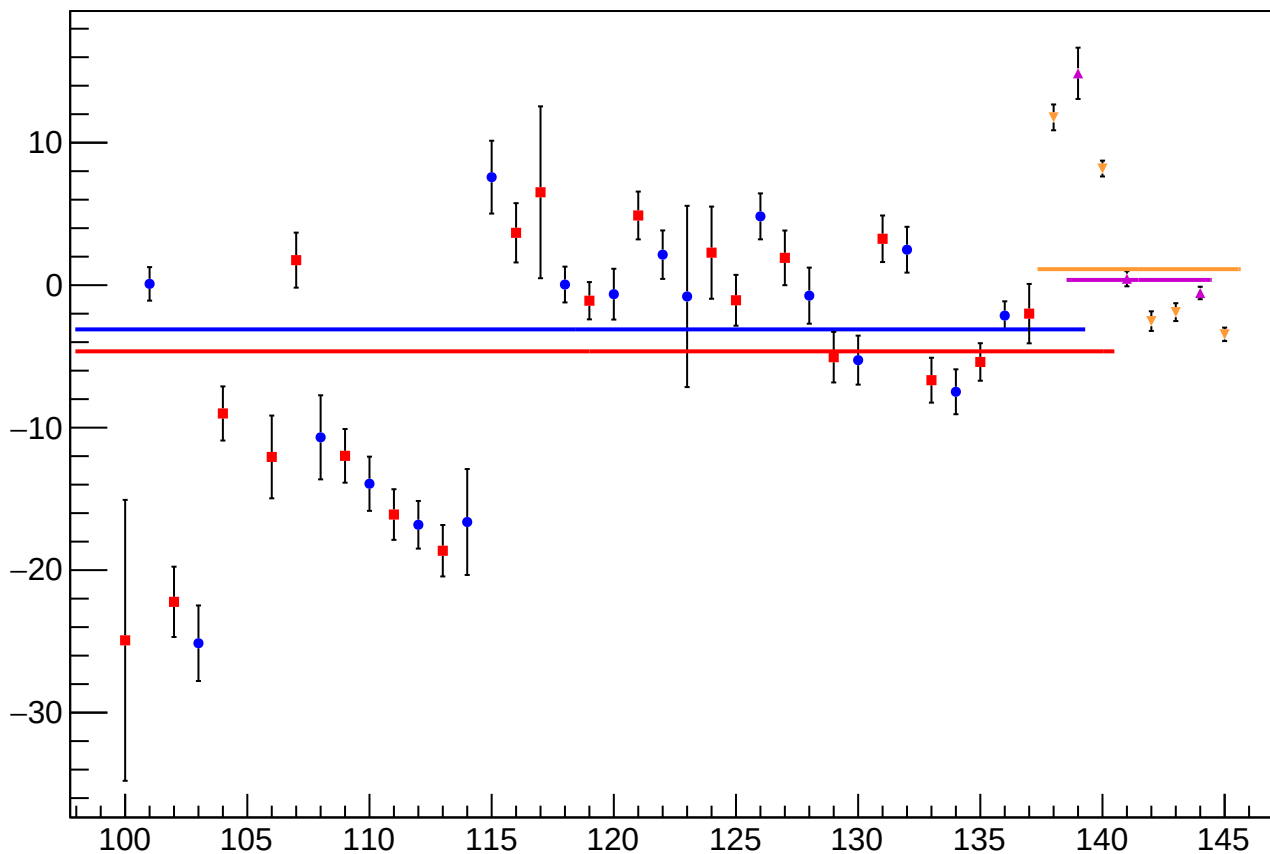
Left Out: -21.026+/-0.348 χ^2/NDF : 1505.3/4

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

-17.594+/-0.429 χ^2/NDF : 82.5/2

Left In: -17.594+/-0.429 χ^2/NDF : 82.5/2

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: 1.124 ± 0.271 χ^2/NDF : 444.7/4

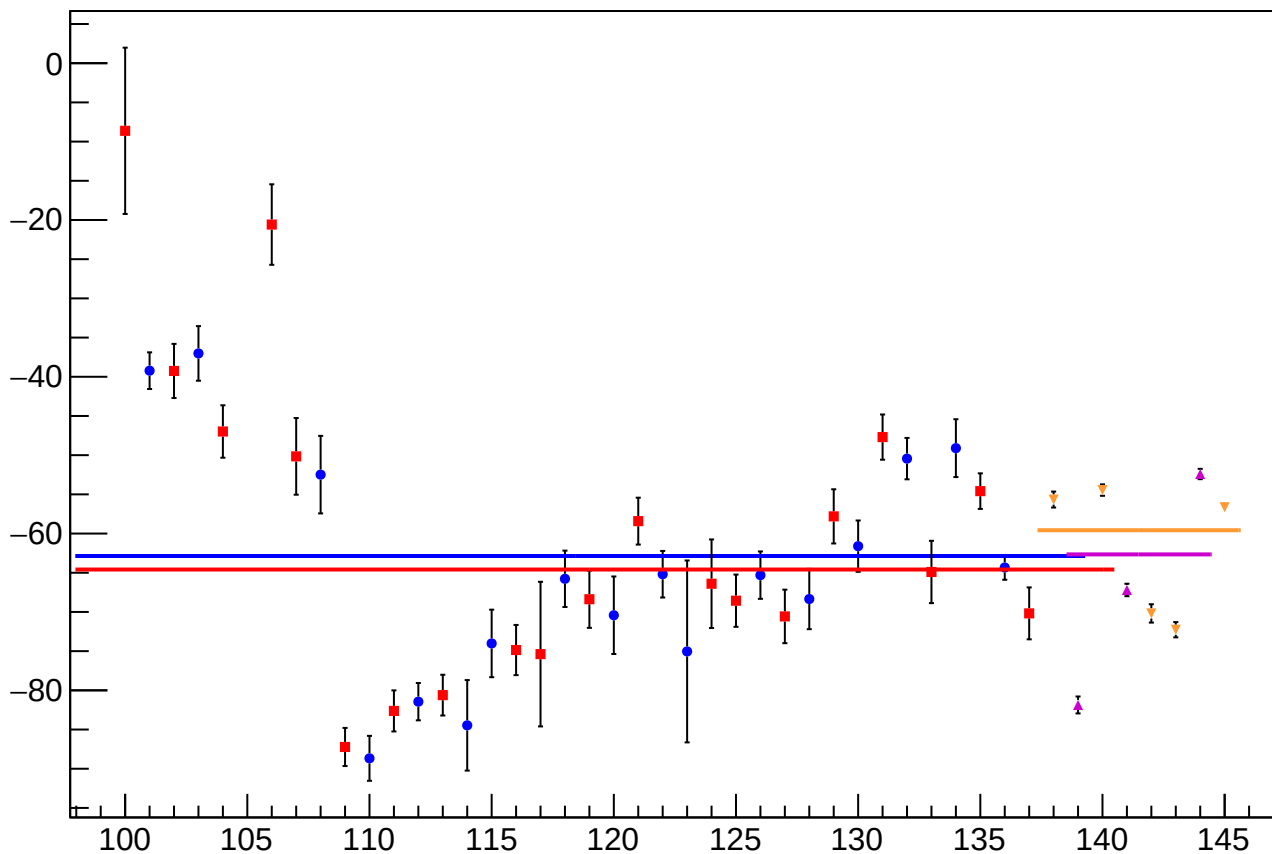
Right Out: -4.645 ± 0.425 χ^2/NDF : 301.1/19

Left In: 0.368 ± 0.332 χ^2/NDF : 69.3/2

-0.158 ± 0.226 χ^2/NDF : 797.6/21

-1.530 ± 0.262 χ^2/NDF : 456.6/22

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -59.575 ± 0.371 χ^2/NDF : 338.6/4

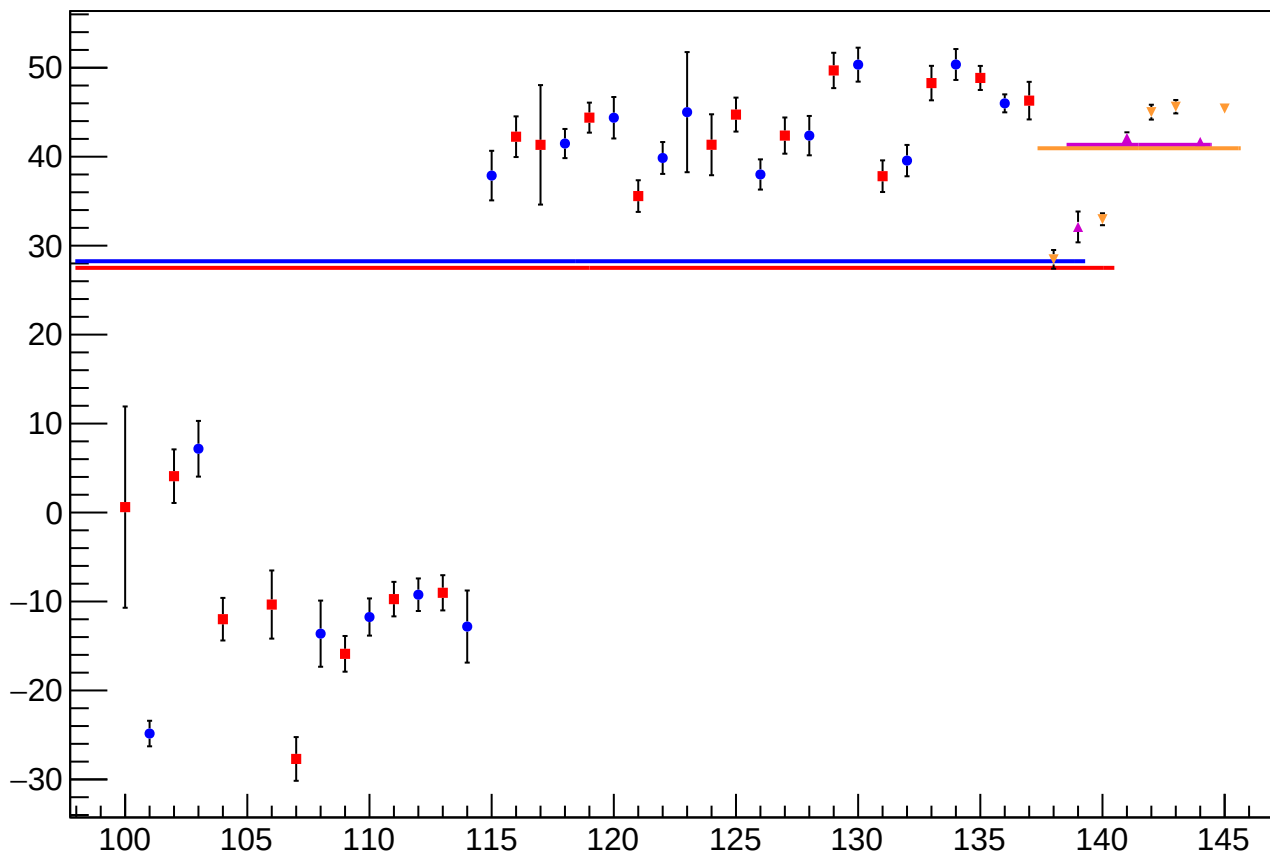
Right Out: -64.588 ± 0.749 χ^2/NDF : 445.6/19

Left In: -62.659 ± 0.459 χ^2/NDF : 590.8/2

-60.235 ± 0.332 χ^2/NDF : 723.1/21

-63.186 ± 0.392 χ^2/NDF : 1041.2/22

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 40.947 $\pm$ 0.321 χ^2 /NDF:412.1/4

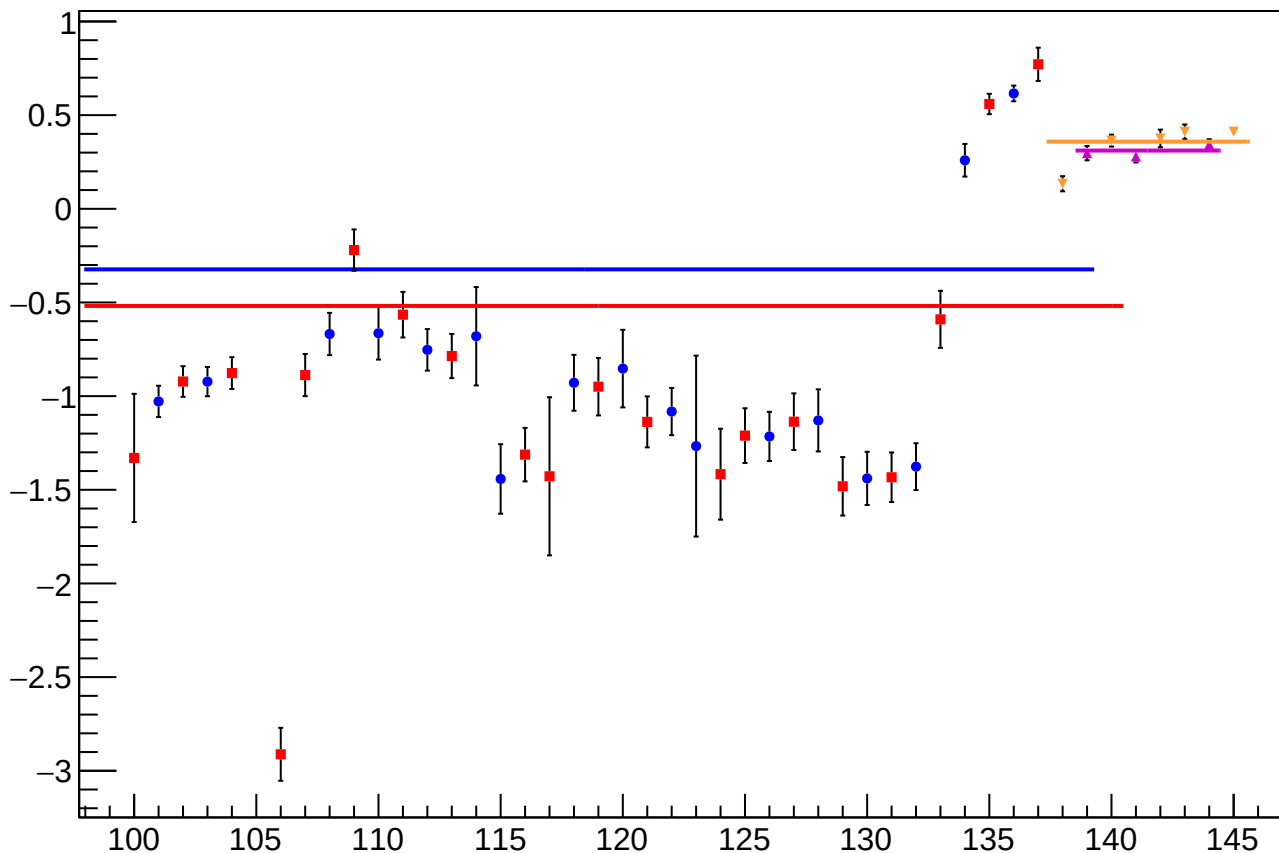
Right Out: 27.505 $\pm$ 0.478 χ^2 /NDF: 3036.7/19

Left In: 41.334 $\pm$ 0.393 χ^2 /NDF:30.2/2

36.785 $\pm$ 0.263 χ^2 /NDF: 4243.5/21

35.752 $\pm$ 0.303 χ^2 /NDF: 3566.9/22

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.359 ± 0.015 $\chi^2/\text{NDF}: 37.7/4$

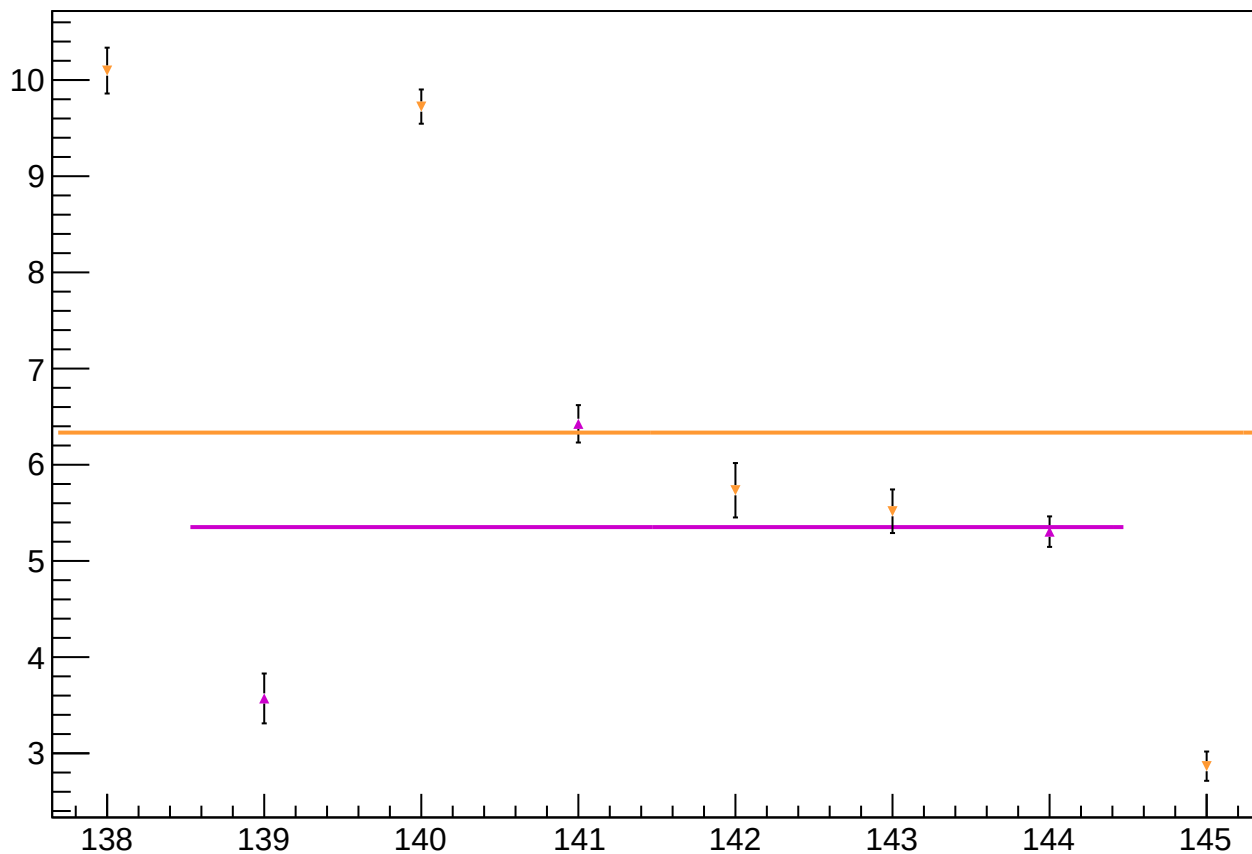
Right Out: -0.518 ± 0.026 $\chi^2/\text{NDF}: 1165.5/19$

Left In: 0.311 ± 0.019 $\chi^2/\text{NDF}: 2.4/2$

0.177 ± 0.013 $\chi^2/\text{NDF}: 1596.0/21$

0.026 ± 0.015 $\chi^2/\text{NDF}: 1850.6/22$

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug

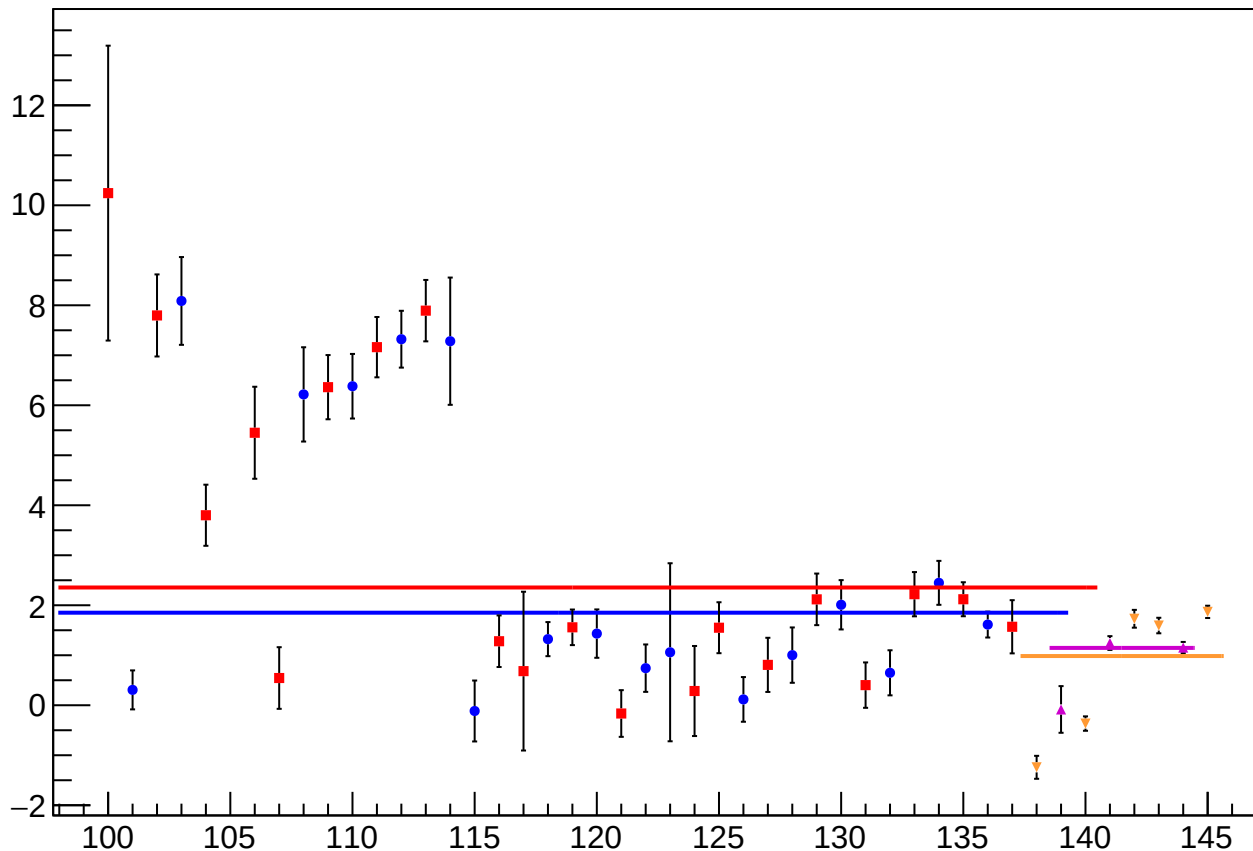


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.334 $\pm$ 0.090 χ^2 /NDF:1149.0/4
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.352 $\pm$ 0.111 χ^2 /NDF:77.8/2

6.334 $\pm$ 0.090 χ^2 /NDF: 1149.0/4

5.352 $\pm$ 0.111 χ^2 /NDF: 77.8/2

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 $\chi^2/\text{NDF}: 294.2/16$

Left Out: 0.984 ± 0.070 $\chi^2/\text{NDF}: 266.1/4$

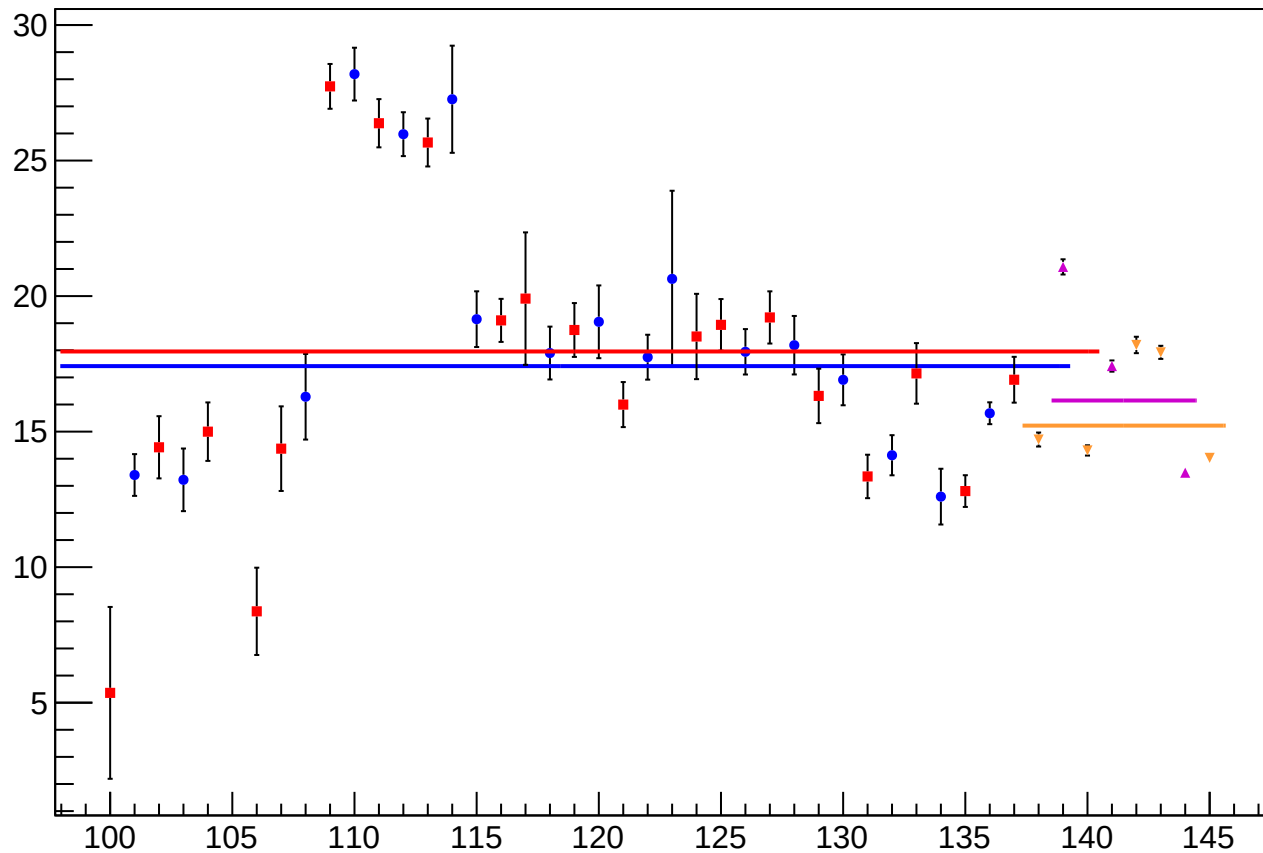
Right Out: 2.355 ± 0.122 $\chi^2/\text{NDF}: 337.4/19$

Left In: 1.147 ± 0.086 $\chi^2/\text{NDF}: 7.5/2$

1.211 ± 0.060 $\chi^2/\text{NDF}: 600.7/21$

1.546 ± 0.070 $\chi^2/\text{NDF}: 410.3/22$

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 ± 0.213 χ^2/NDF : 367.0/16

Left Out: 15.222 ± 0.096 χ^2/NDF : 302.9/4

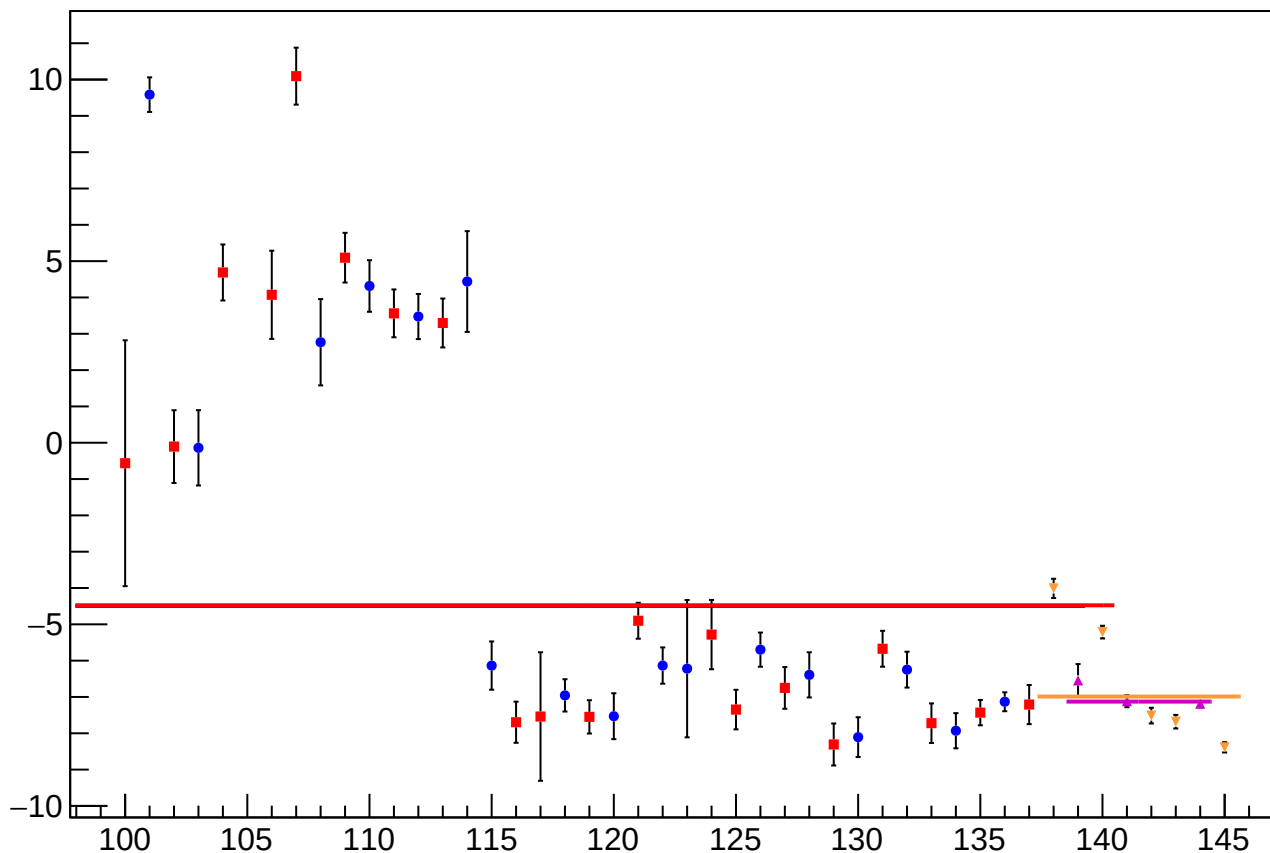
Right Out: 17.957 ± 0.218 χ^2/NDF : 506.2/19

Left In: 16.148 ± 0.119 χ^2/NDF : 592.1/2

15.592 ± 0.087 χ^2/NDF : 758.5/21

16.562 ± 0.104 χ^2/NDF : 1151.3/22

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -6.988 ± 0.083 χ^2/NDF : 345.6/4

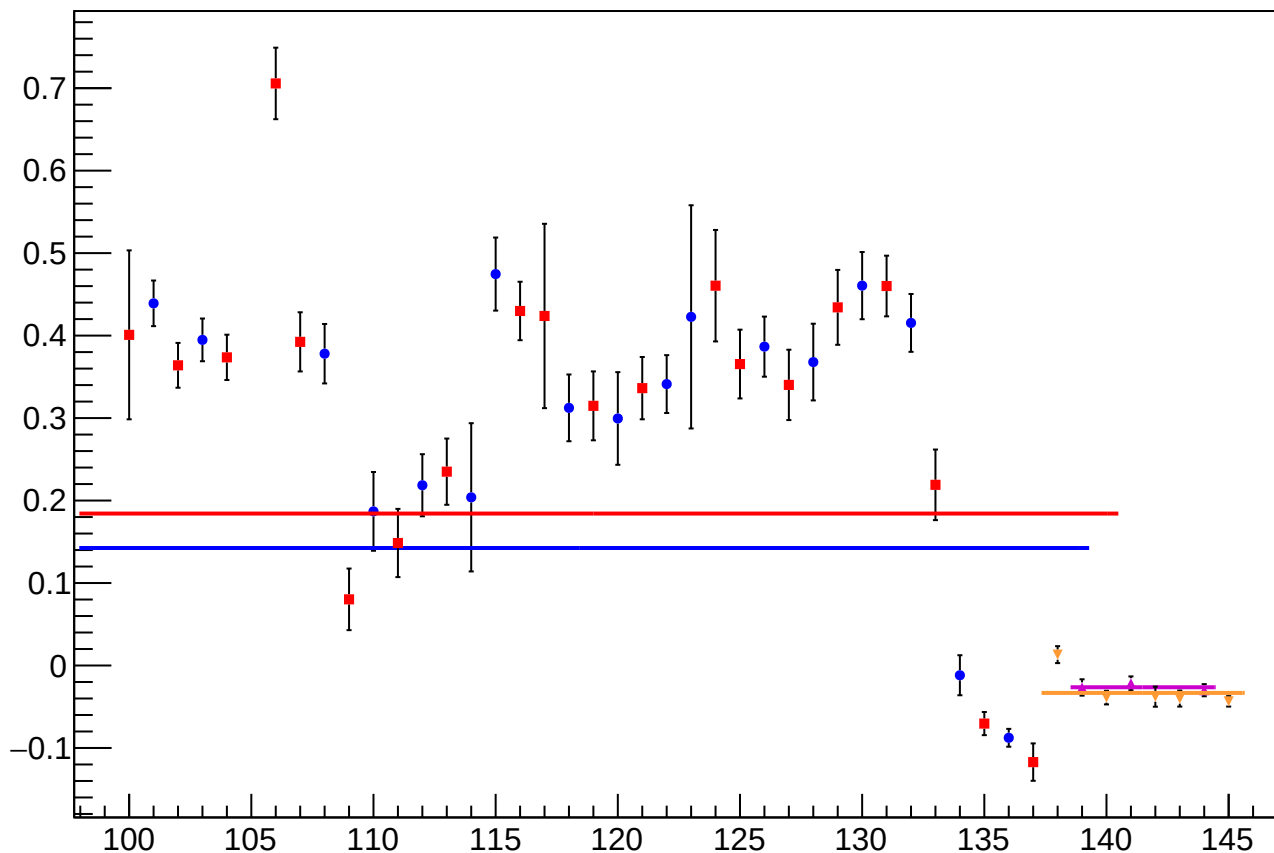
Right Out: -4.476 ± 0.137 χ^2/NDF : 1342.0/19

Left In: -7.128 ± 0.102 χ^2/NDF : 1.9/2

-6.273 ± 0.070 χ^2/NDF : 2192.3/21

-6.183 ± 0.082 χ^2/NDF : 1586.4/22

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: -0.033+/-0.004 χ^2/NDF : 24.1/4

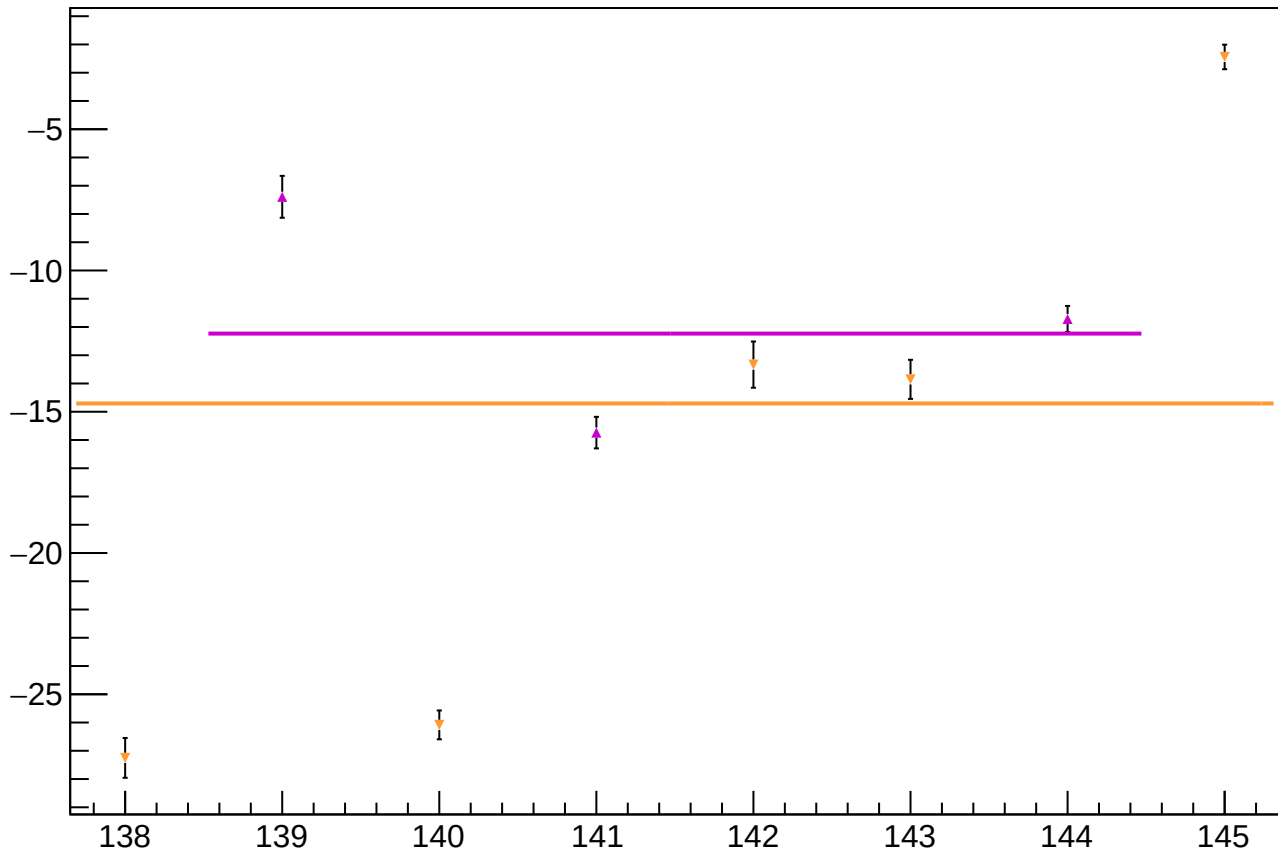
Right Out: 0.184+/-0.007 χ^2/NDF : 1005.5/19

Left In: -0.026+/-0.005 χ^2/NDF : 0.6/2

0.008+/-0.003 χ^2/NDF : 1557.4/21

0.036+/-0.004 χ^2/NDF : 1575.5/22

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -14.707+/-0.260 χ^2/NDF : 1615.9/4

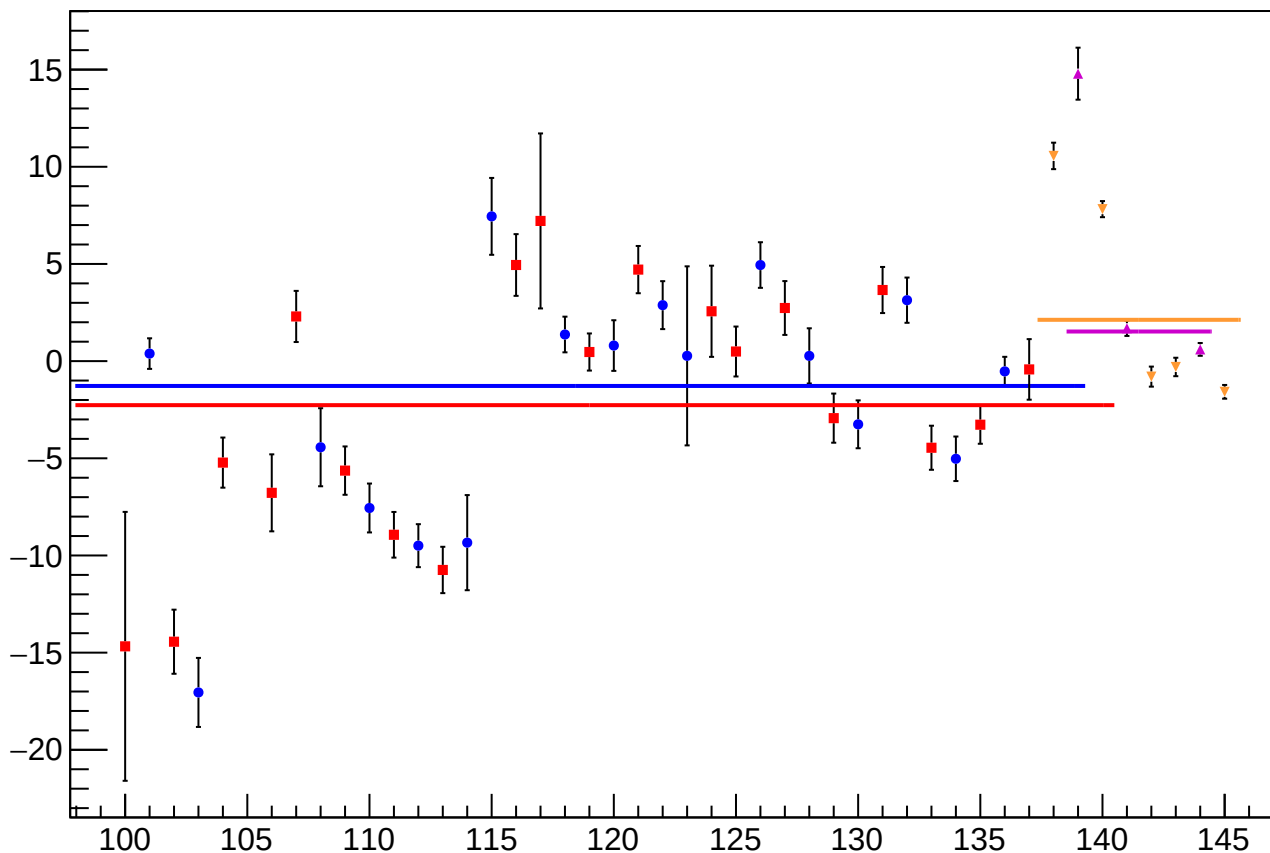
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -12.234+/-0.321 χ^2/NDF : 83.2/2

-14.707+/-0.260 χ^2/NDF : 1615.9/4

-12.234+/-0.321 χ^2/NDF : 83.2/2

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278+/-0.292 χ^2/NDF : 276.5/16

Left Out: 2.126+/-0.203 χ^2/NDF :510.4/4

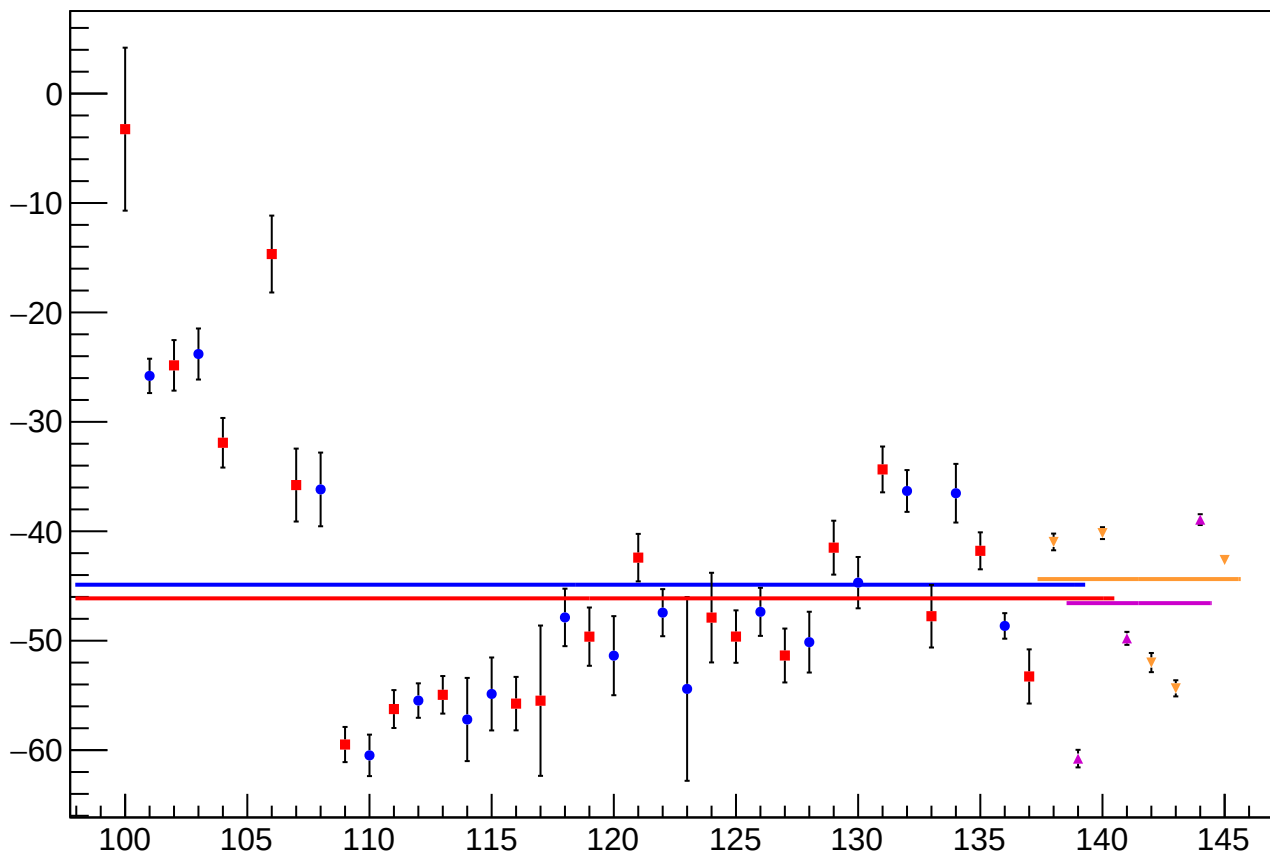
Right Out: -2.266+/-0.302 χ^2/NDF : 289.8/19

Left In: 1.523+/-0.249 χ^2/NDF :106.3/2

1.016+/-0.167 χ^2/NDF : 878.2/21

-0.011+/-0.192 χ^2/NDF : 490.0/22

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 $\pm$ 0.524 χ^2 /NDF: 421.0/16

Left Out: -44.368 $\pm$ 0.278 χ^2 /NDF: 352.6/4

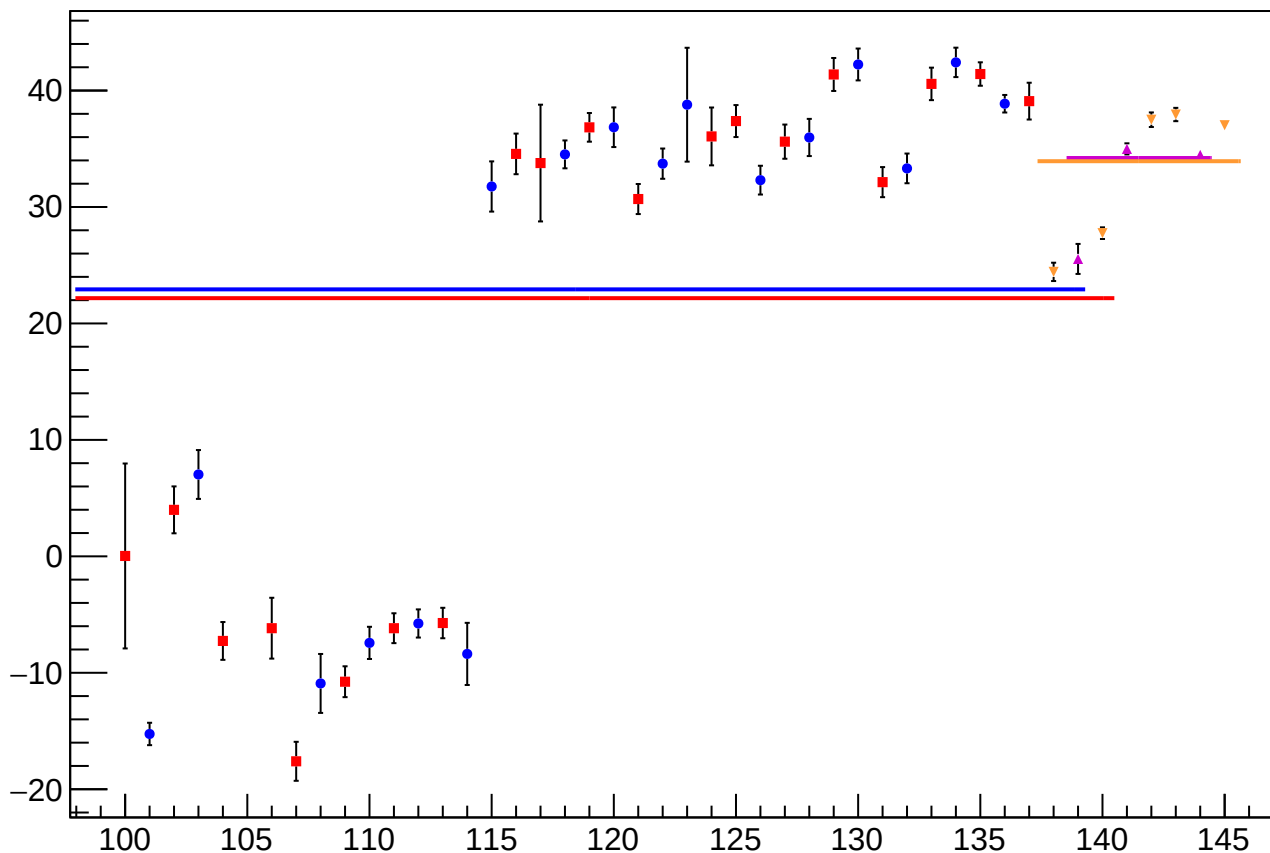
Right Out: -46.130 $\pm$ 0.527 χ^2 /NDF: 456.1/19

Left In: -46.567 $\pm$ 0.344 χ^2 /NDF: 580.8/2

-44.481 $\pm$ 0.246 χ^2 /NDF: 774.3/21

-46.437 $\pm$ 0.288 χ^2 /NDF: 1037.4/22

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926 $\pm$ 0.328 χ^2/NDF : 4330.2/16

Left Out: 33.932 $\pm$ 0.241 χ^2/NDF : 437.2/4

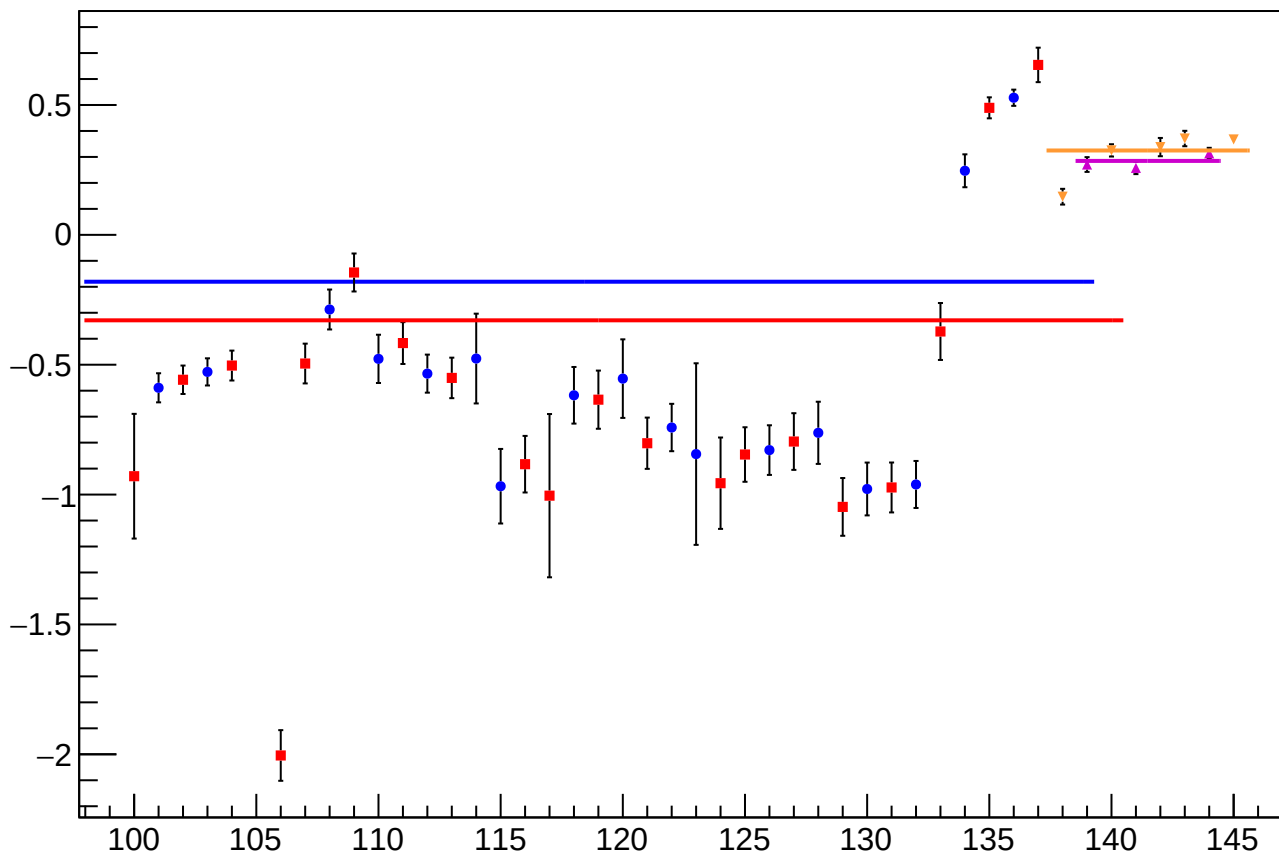
Right Out: 22.170 $\pm$ 0.339 χ^2/NDF : 4038.8/19

Left In: 34.206 $\pm$ 0.294 χ^2/NDF : 48.4/2

30.077 $\pm$ 0.194 χ^2/NDF : 5498.7/21

29.037 $\pm$ 0.222 χ^2/NDF : 4805.6/22

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.325 ± 0.011 χ^2/NDF : 42.6/4

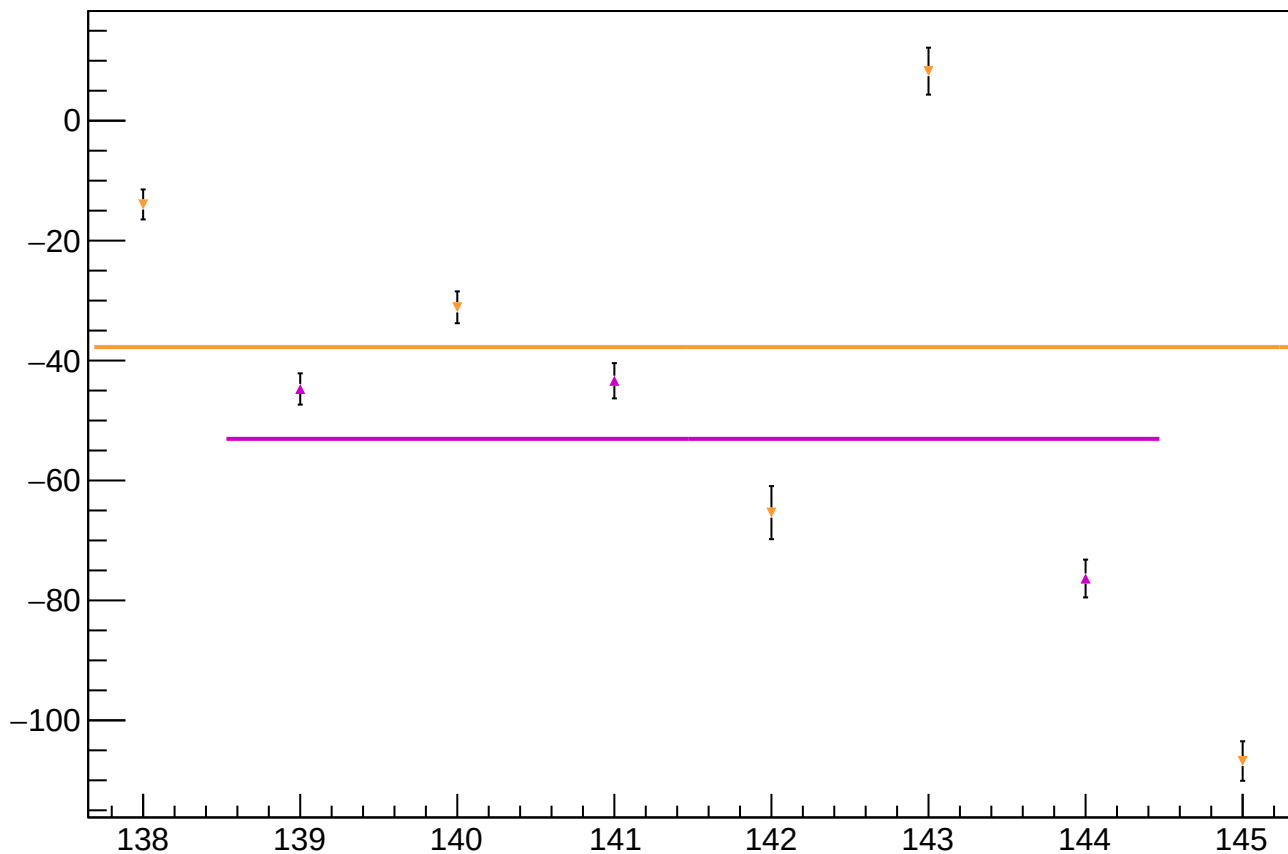
Right Out: -0.329 ± 0.018 χ^2/NDF : 1180.2/19

Left In: 0.285 ± 0.014 χ^2/NDF : 3.3/2

0.180 ± 0.010 χ^2/NDF : 1615.1/21

0.058 ± 0.011 χ^2/NDF : 1902.9/22

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -37.757+/-1.399 χ^2/NDF : 712.6/4

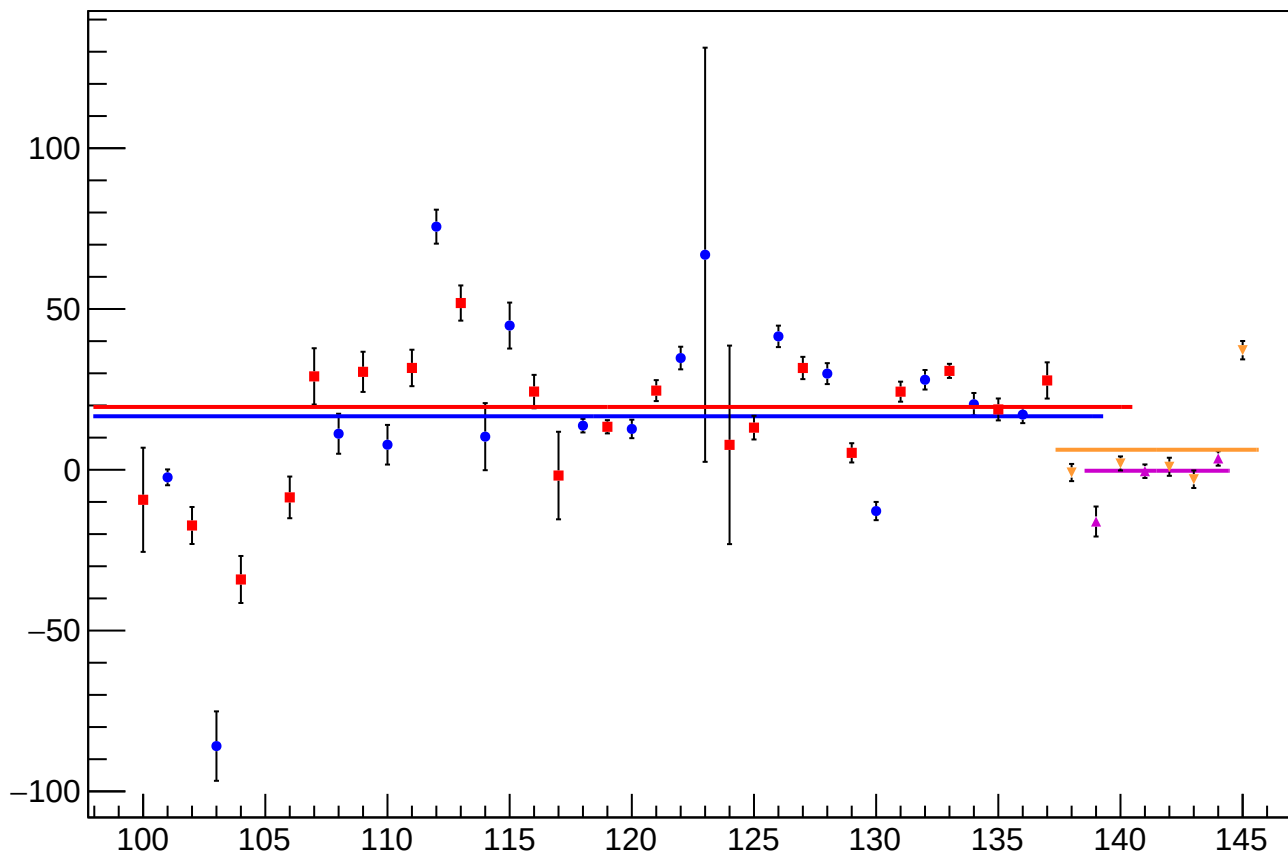
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -53.058+/-1.659 χ^2/NDF : 75.6/2

-37.757+/-1.399 χ^2/NDF : 712.6/4

-53.058+/-1.659 χ^2/NDF : 75.6/2

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 6.231 ± 1.168 $\chi^2/\text{NDF}: 143.0/4$

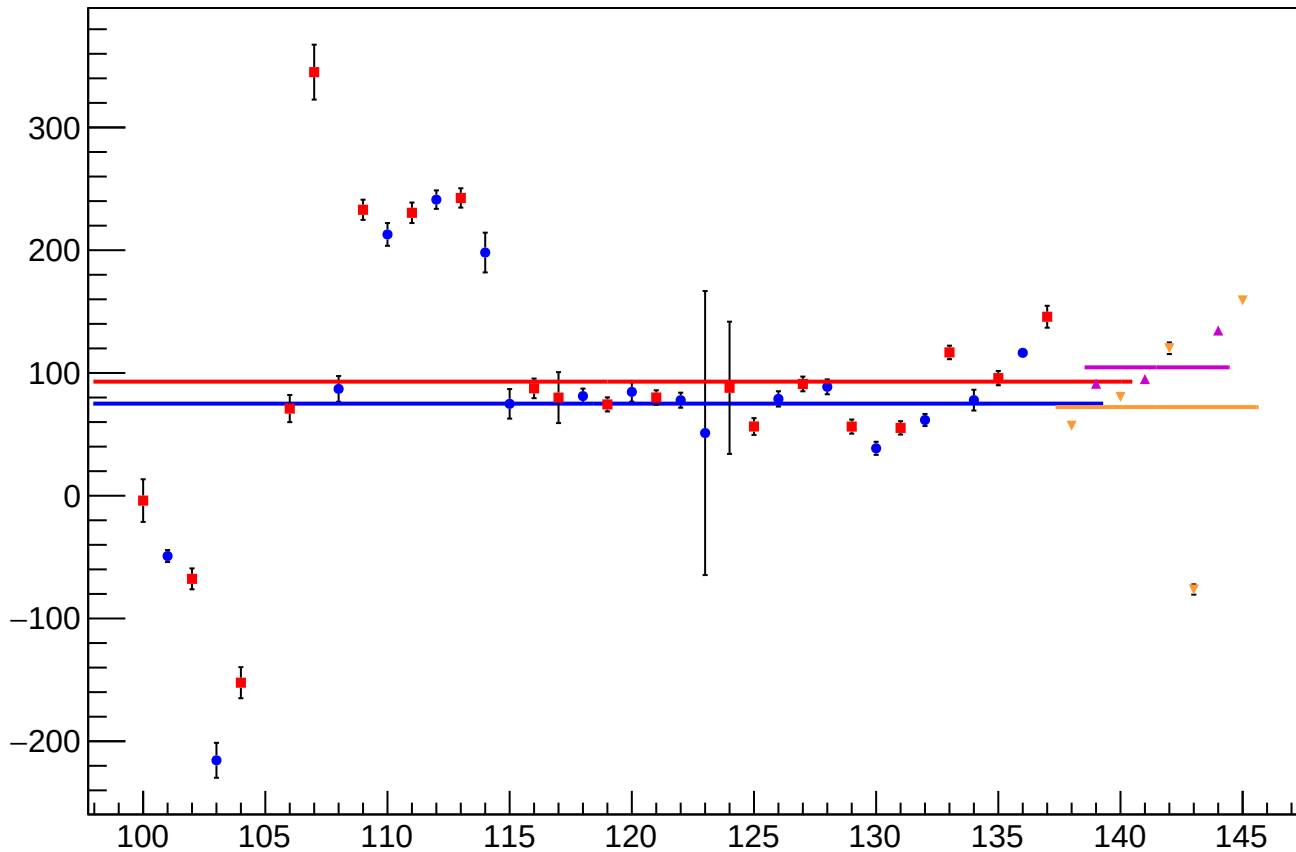
Right Out: 19.540 ± 0.894 $\chi^2/\text{NDF}: 244.1/19$

Left In: -0.301 ± 1.460 $\chi^2/\text{NDF}: 14.4/2$

12.989 ± 0.692 $\chi^2/\text{NDF}: 713.5/21$

14.129 ± 0.763 $\chi^2/\text{NDF}: 392.7/22$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 72.230 ± 1.493 χ^2/NDF : 2050.9/4

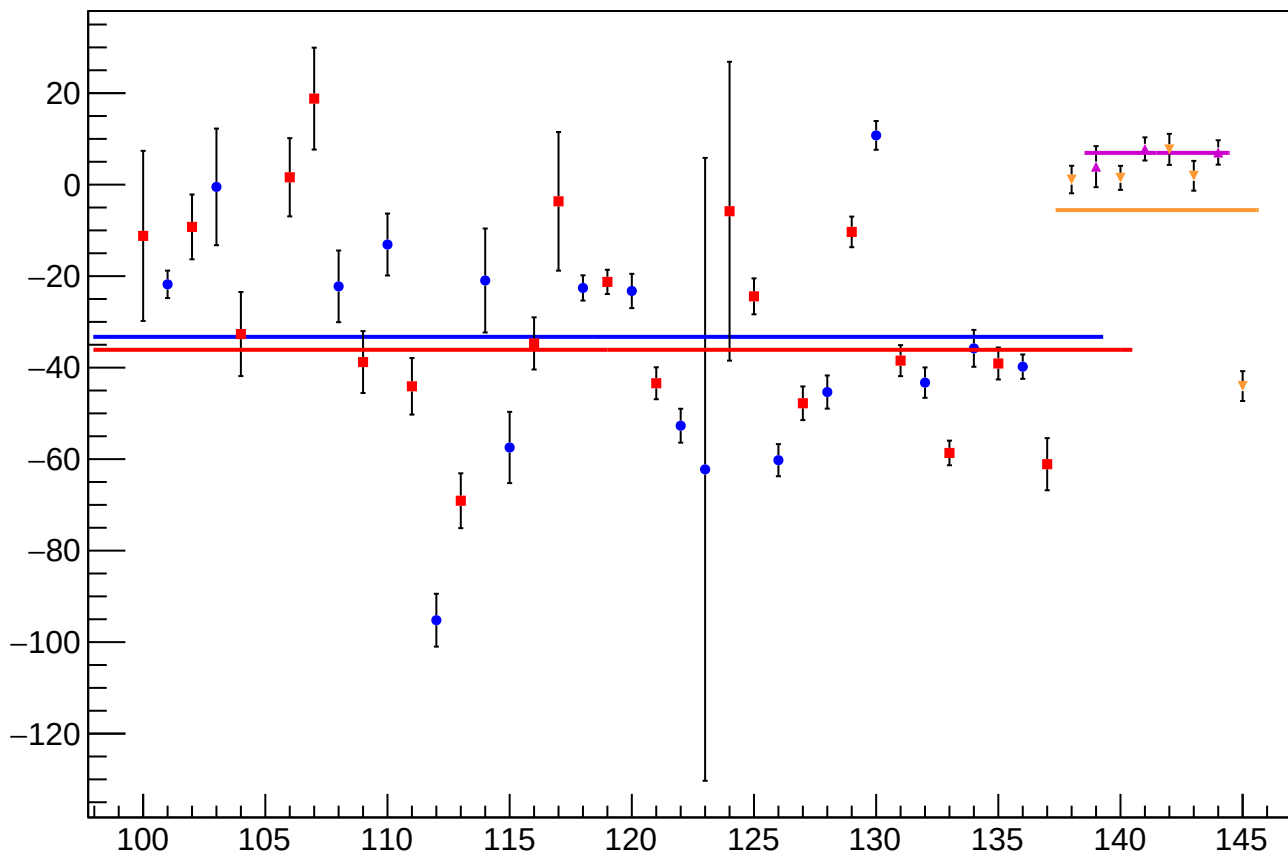
Right Out: 92.940 ± 1.706 χ^2/NDF : 2004.0/19

Left In: 104.577 ± 1.780 χ^2/NDF : 110.8/2

73.495 ± 1.106 χ^2/NDF : 4052.2/21

98.508 ± 1.232 χ^2/NDF : 2137.0/22

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -5.564 ± 1.373 $\chi^2/\text{NDF}: 171.9/4$

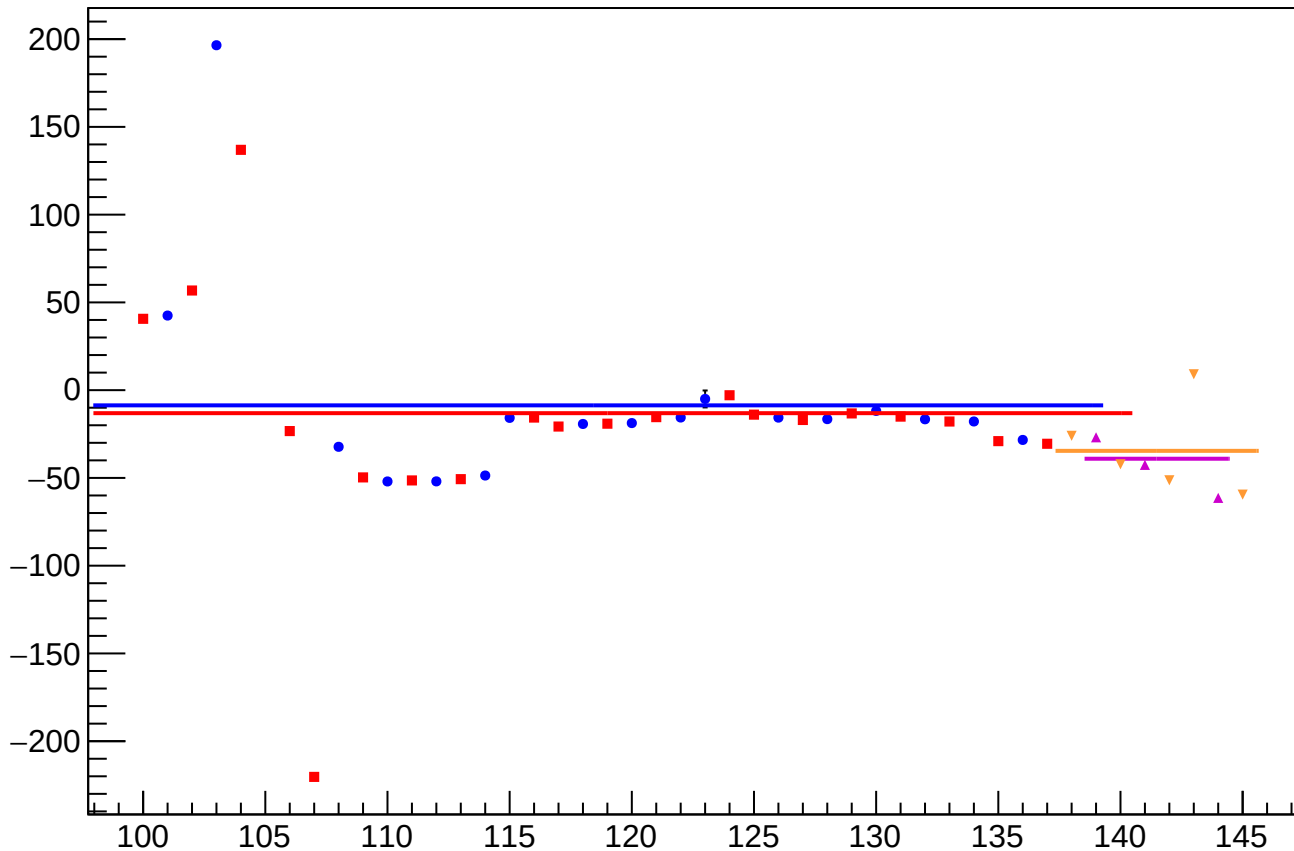
Right Out: -36.103 ± 1.022 $\chi^2/\text{NDF}: 302.3/19$

Left In: 6.939 ± 1.698 $\chi^2/\text{NDF}: 0.6/2$

-23.893 ± 0.799 $\chi^2/\text{NDF}: 930.8/21$

-24.661 ± 0.875 $\chi^2/\text{NDF}: 774.6/22$

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 χ^2/NDF : 575742.7/16

Left Out: -34.578 ± 0.060 χ^2/NDF : 120419.9/4

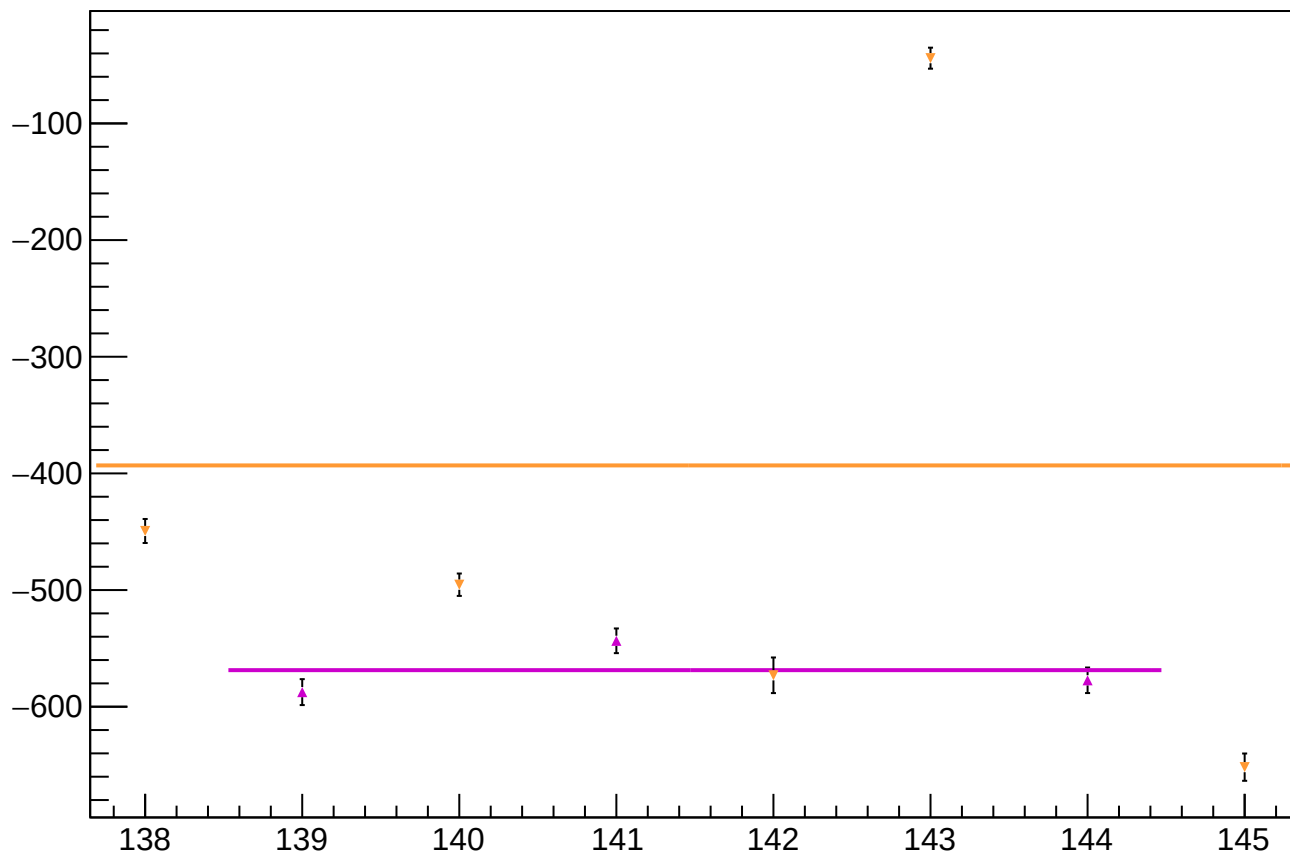
Right Out: -13.109 ± 0.062 χ^2/NDF : 558383.6/19

Left In: -39.069 ± 0.069 χ^2/NDF : 38737.5/2

-21.340 ± 0.042 χ^2/NDF : 790342.7/21

-24.660 ± 0.046 χ^2/NDF : 675892.9/22

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -393.155+/-4.755 χ^2/NDF : 2273.5/4

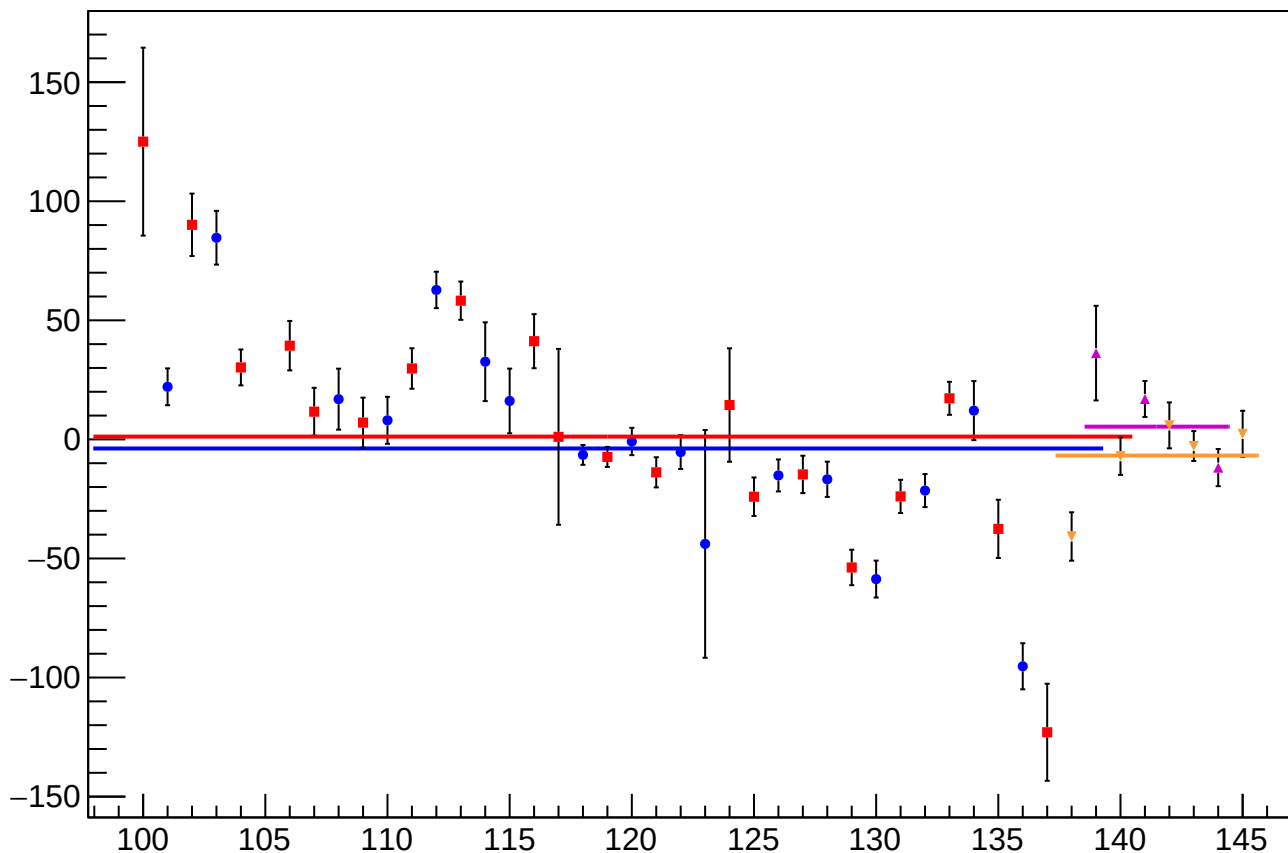
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -568.660+/-6.278 χ^2/NDF : 9.2/2

-393.155+/-4.755 χ^2/NDF : 2273.5/4

-568.660+/-6.278 χ^2/NDF : 9.2/2

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: -6.776 ± 3.710 χ^2/NDF : 14.2/4

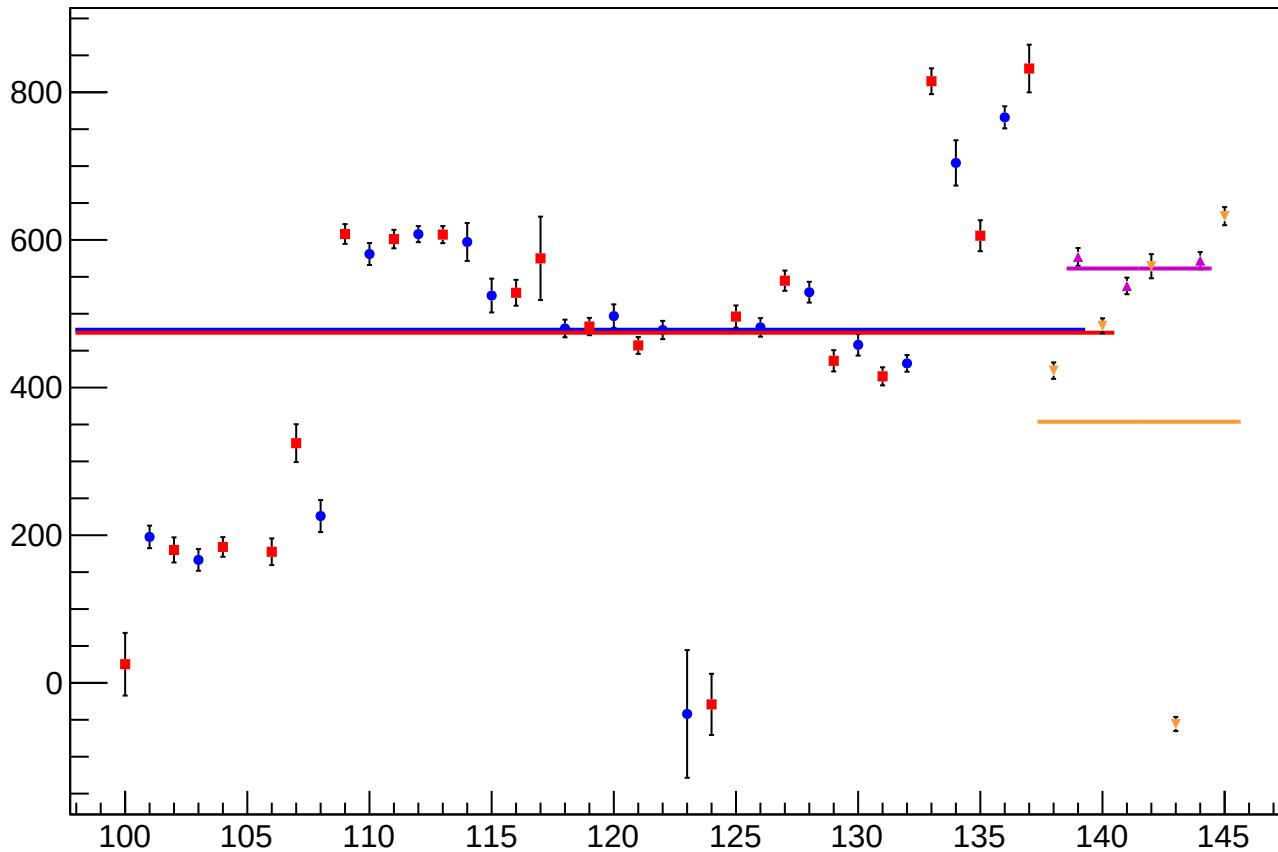
Right Out: 1.175 ± 1.911 χ^2/NDF : 303.9/19

Left In: 5.348 ± 5.227 χ^2/NDF : 9.7/2

-4.442 ± 1.707 χ^2/NDF : 329.0/21

1.667 ± 1.795 χ^2/NDF : 314.1/22

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 $\pm$ 3.662 χ^2/NDF : 1628.8/16

Left Out: 353.740 $\pm$ 5.078 χ^2/NDF : 2691.5/4

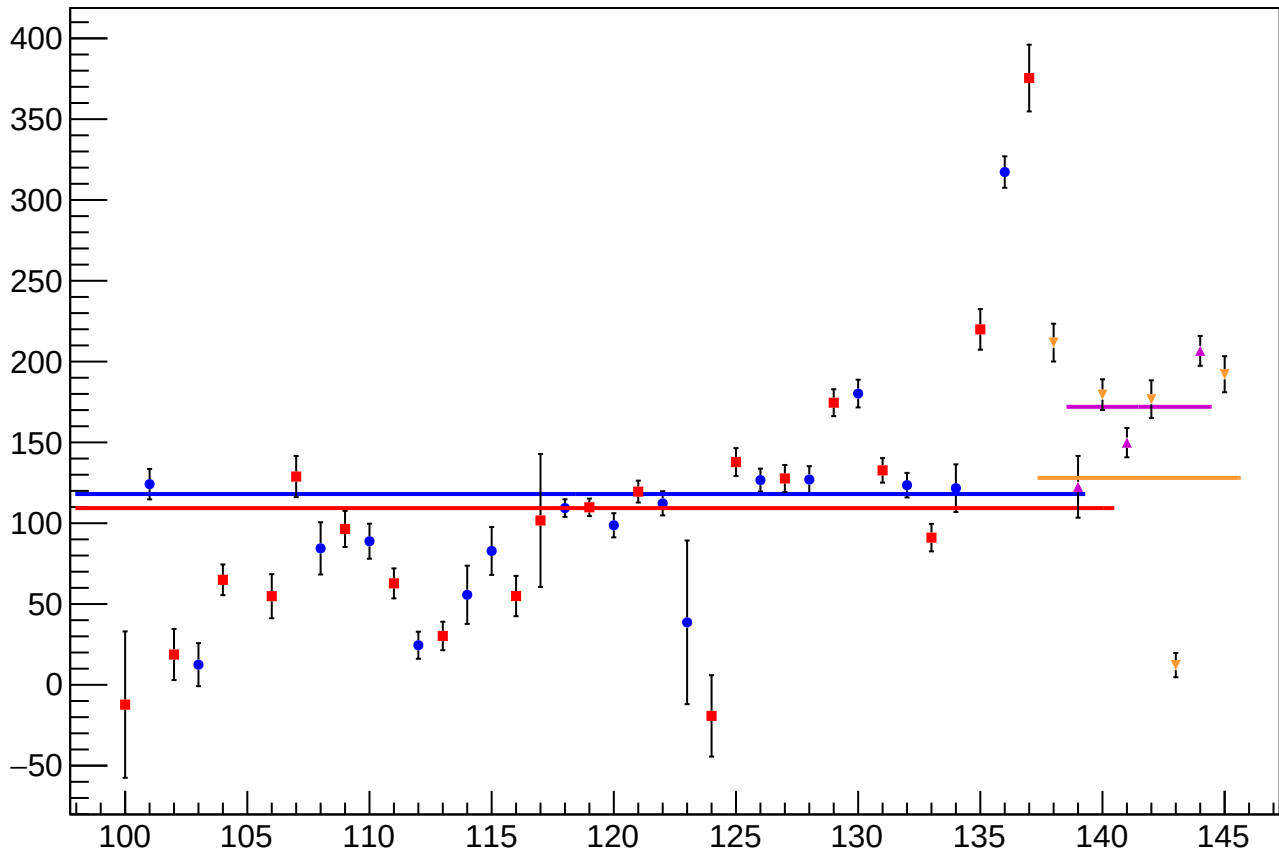
Right Out: 474.296 $\pm$ 3.524 χ^2/NDF : 2288.2/19

Left In: 561.258 $\pm$ 6.730 χ^2/NDF : 6.9/2

435.705 $\pm$ 2.970 χ^2/NDF : 4716.4/21

493.010 $\pm$ 3.122 χ^2/NDF : 2426.2/22

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 +/- 2.225 χ^2/NDF : 705.3/16

Left Out: 128.033 +/- 4.405 χ^2/NDF : 369.4/4

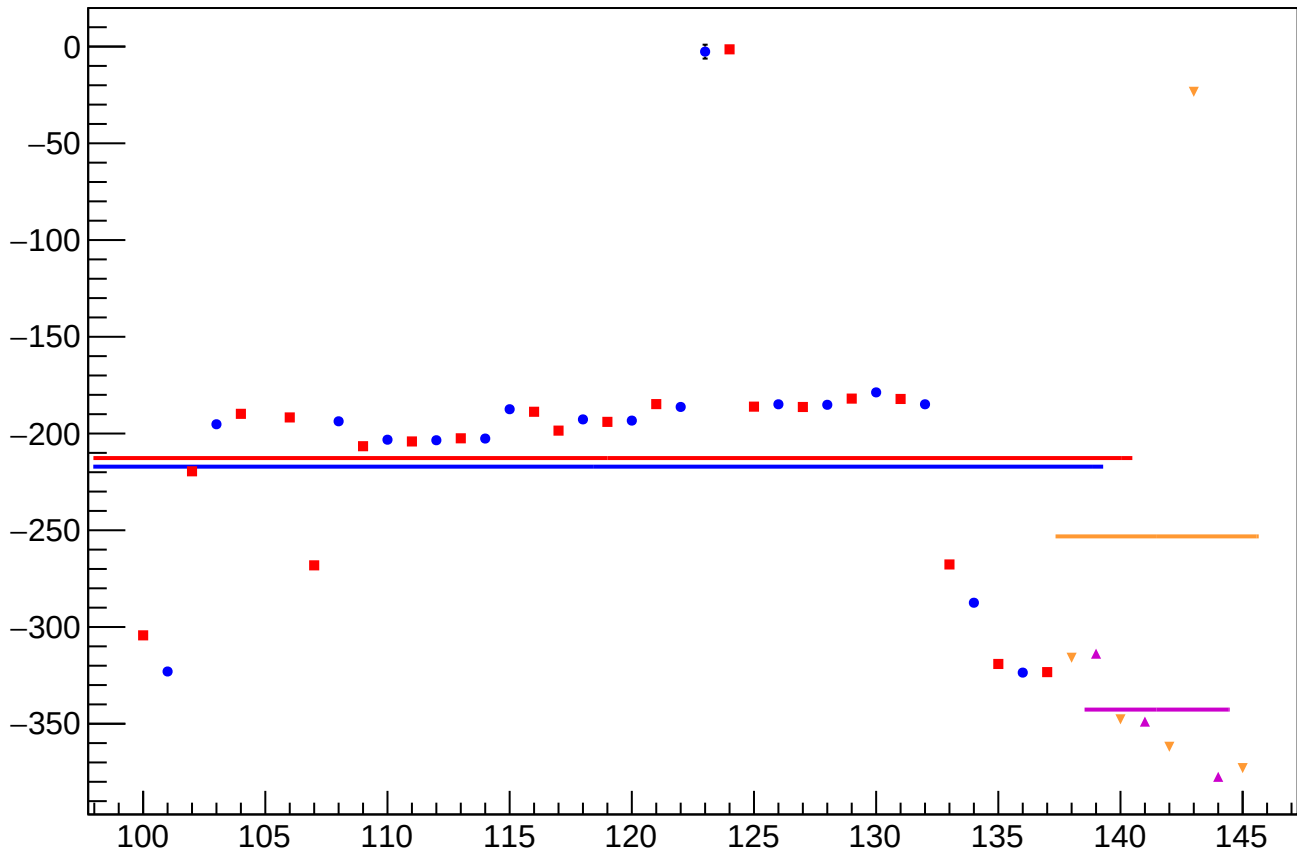
Right Out: 109.345 +/- 2.202 χ^2/NDF : 569.8/19

Left In: 172.024 +/- 6.135 χ^2/NDF : 26.7/2

120.084 +/- 1.986 χ^2/NDF : 1078.8/21

116.496 +/- 2.072 χ^2/NDF : 689.0/22

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -253.165+/-0.207 χ^2/NDF : 509714.7/4

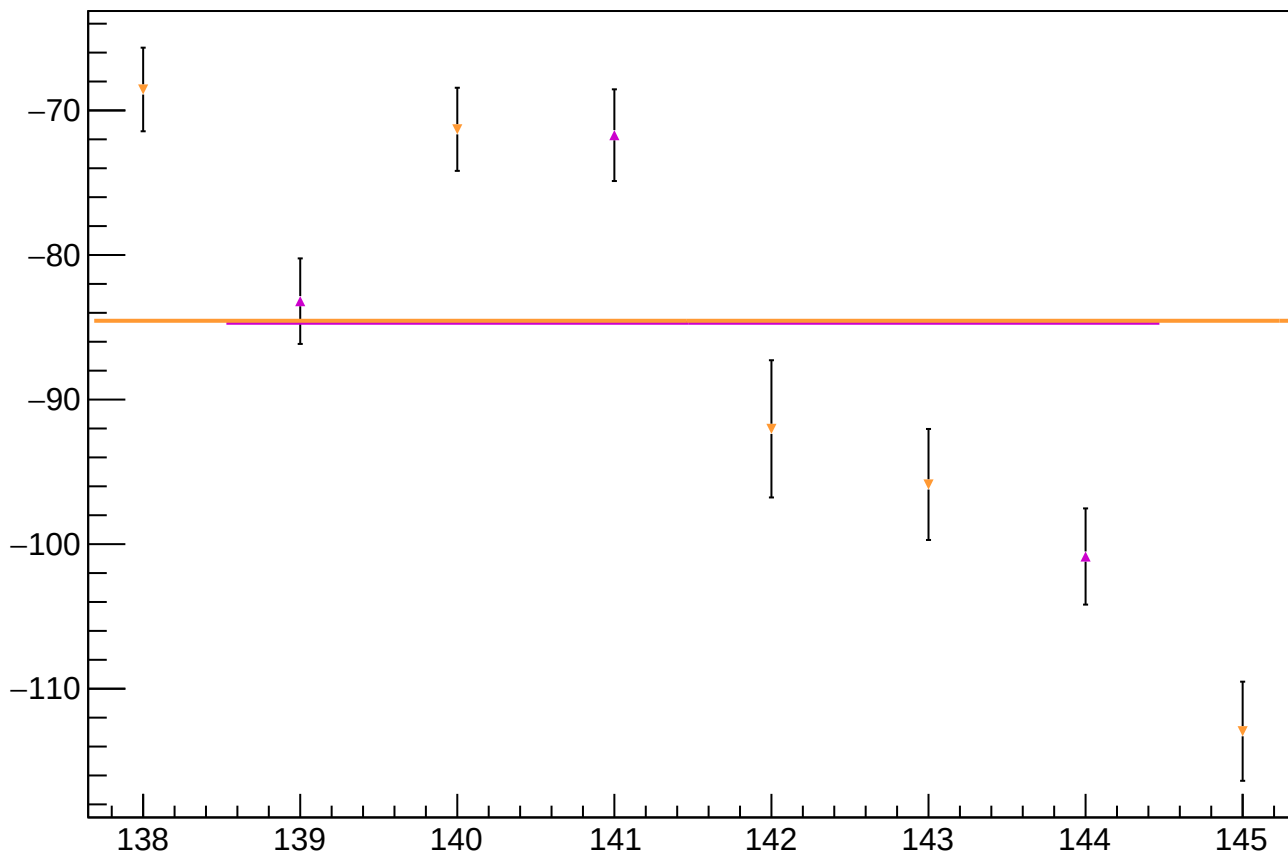
Right Out: -212.679+/-0.130 χ^2/NDF : 115596.4/19

Left In: -342.682+/-0.265 χ^2/NDF : 9473.8/2

-228.075+/-0.114 χ^2/NDF : 677444.0/21

-237.889+/-0.117 χ^2/NDF : 318957.4/22

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -84.549+/-1.511 χ^2/NDF : 131.6/4

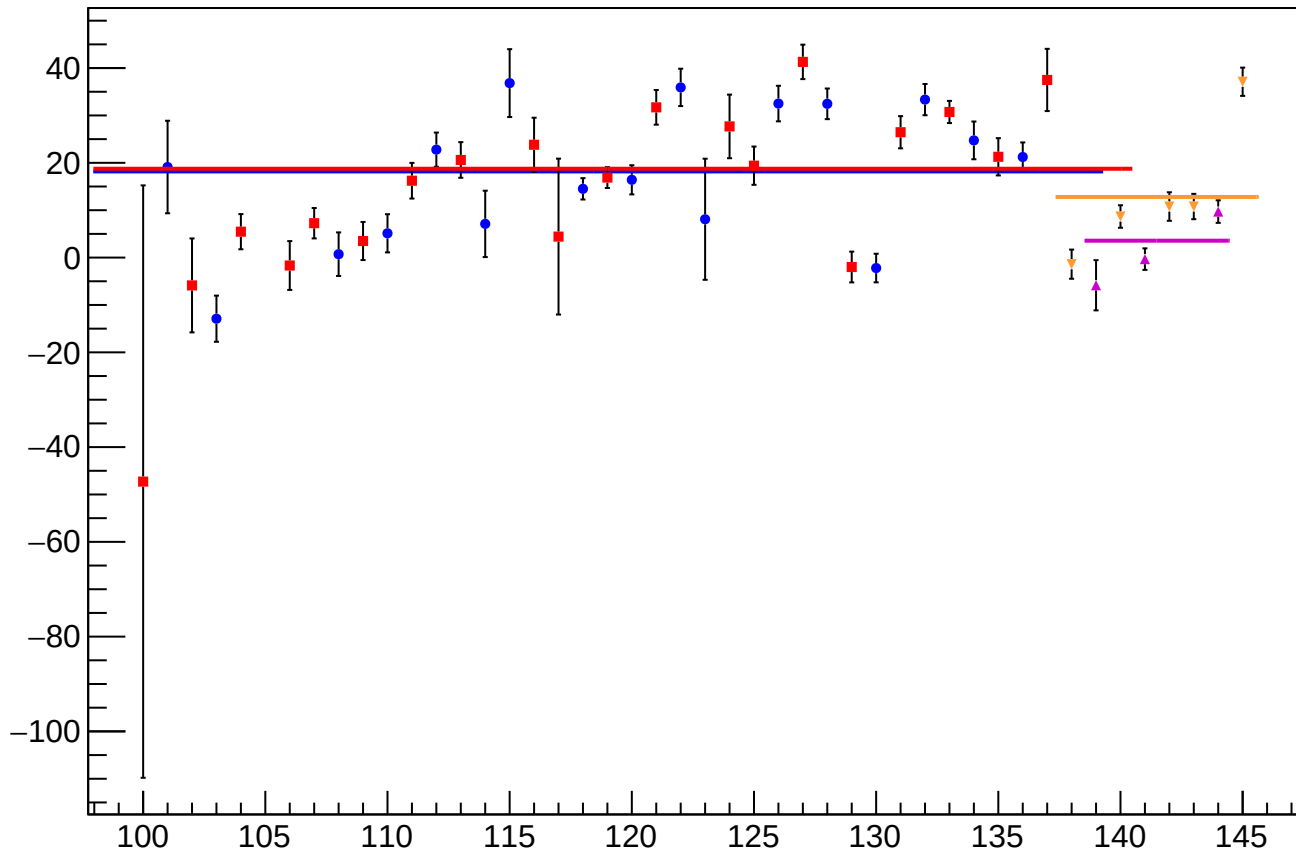
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -84.687+/-1.814 χ^2/NDF : 40.6/2

-84.549+/-1.511 χ^2/NDF : 131.6/4

-84.687+/-1.814 χ^2/NDF : 40.6/2

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 ± 0.917 $\chi^2/\text{NDF}: 204.9/16$

Left Out: 12.797 ± 1.244 $\chi^2/\text{NDF}: 91.8/4$

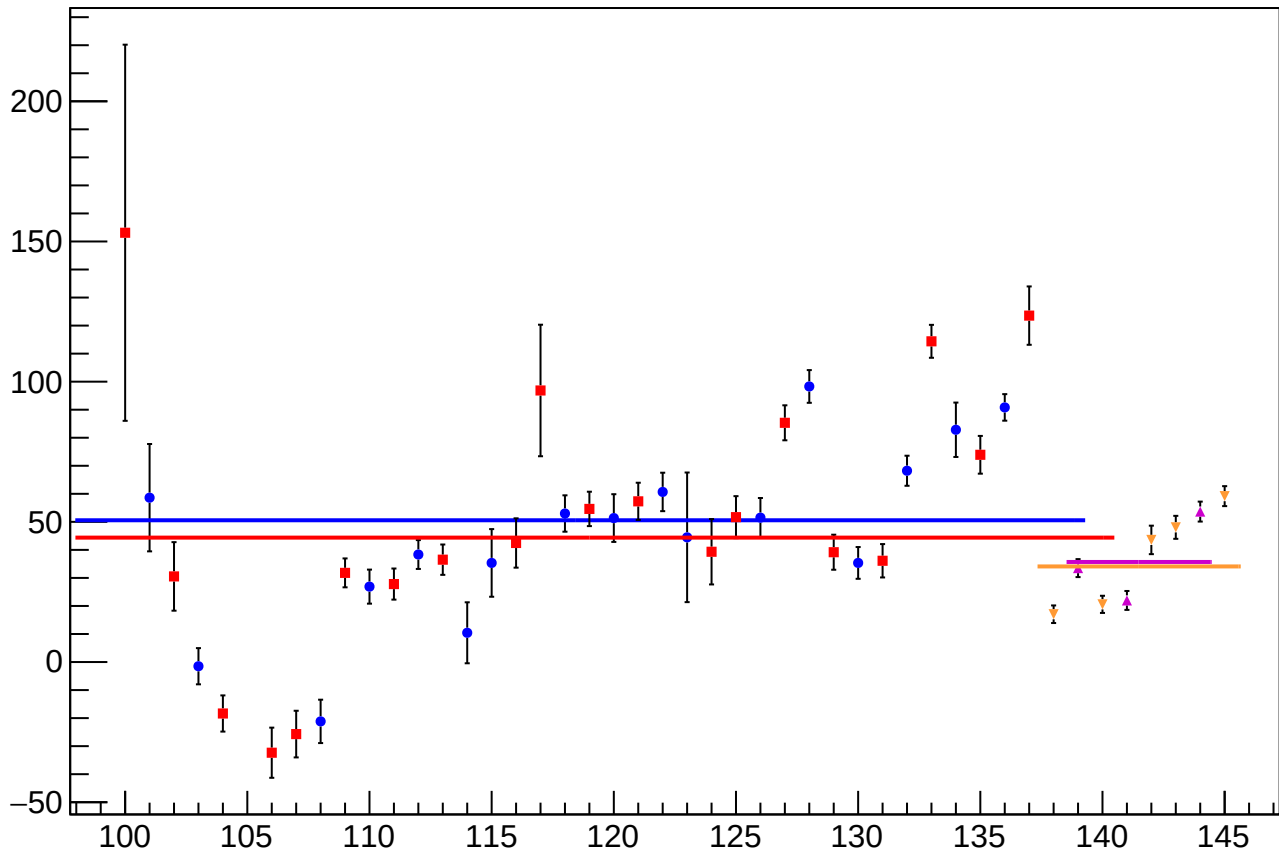
Right Out: 18.752 ± 0.862 $\chi^2/\text{NDF}: 199.5/19$

Left In: 3.567 ± 1.569 $\chi^2/\text{NDF}: 12.8/2$

16.290 ± 0.738 $\chi^2/\text{NDF}: 308.8/21$

15.236 ± 0.755 $\chi^2/\text{NDF}: 284.2/22$

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: 34.096 $\pm$ 1.611 χ^2 /NDF:113.7/4

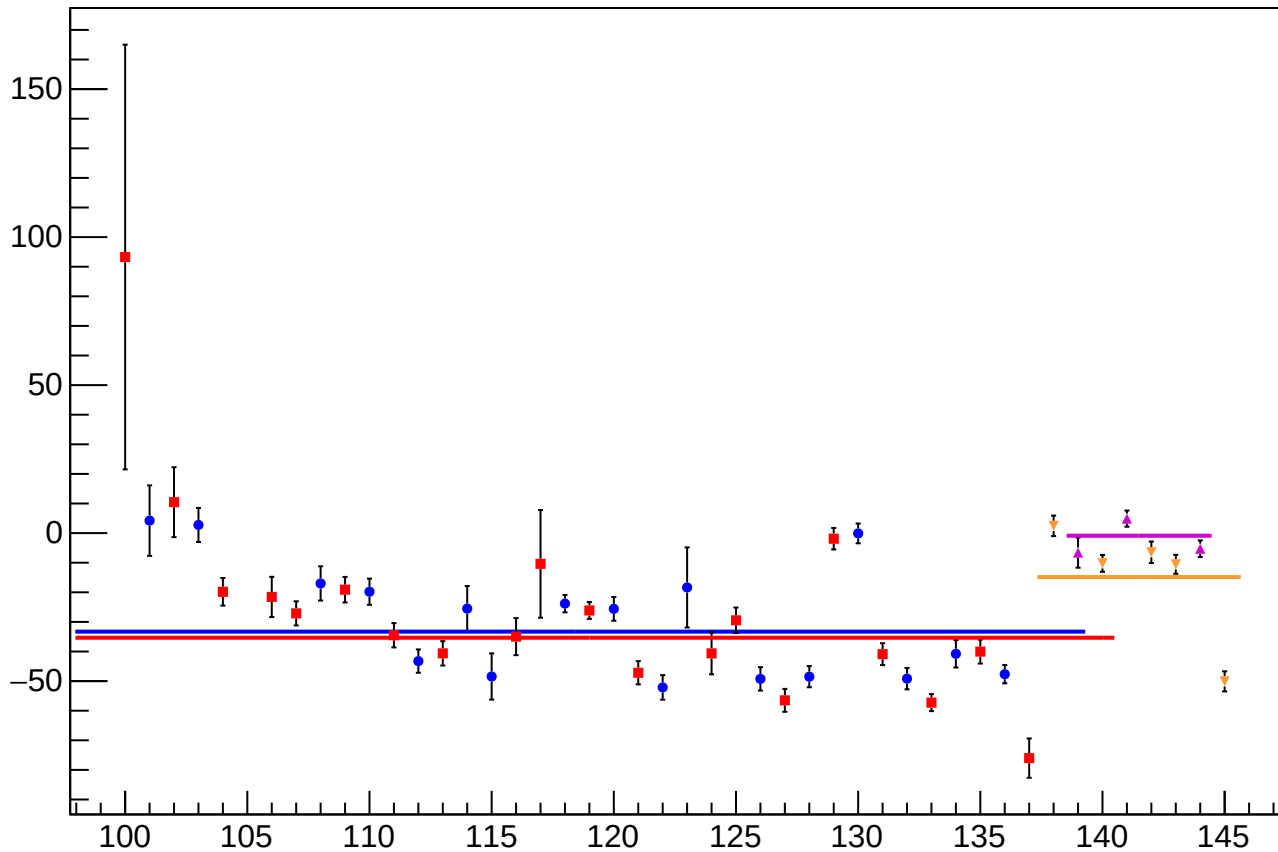
Right Out: 44.377 $\pm$ 1.599 χ^2 /NDF: 537.6/19

Left In: 35.692 $\pm$ 1.946 χ^2 /NDF:42.5/2

41.995 $\pm$ 1.162 χ^2 /NDF: 521.8/21

40.876 $\pm$ 1.235 χ^2 /NDF: 592.0/22

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -14.840 ± 1.465 χ^2/NDF : 142.2/4

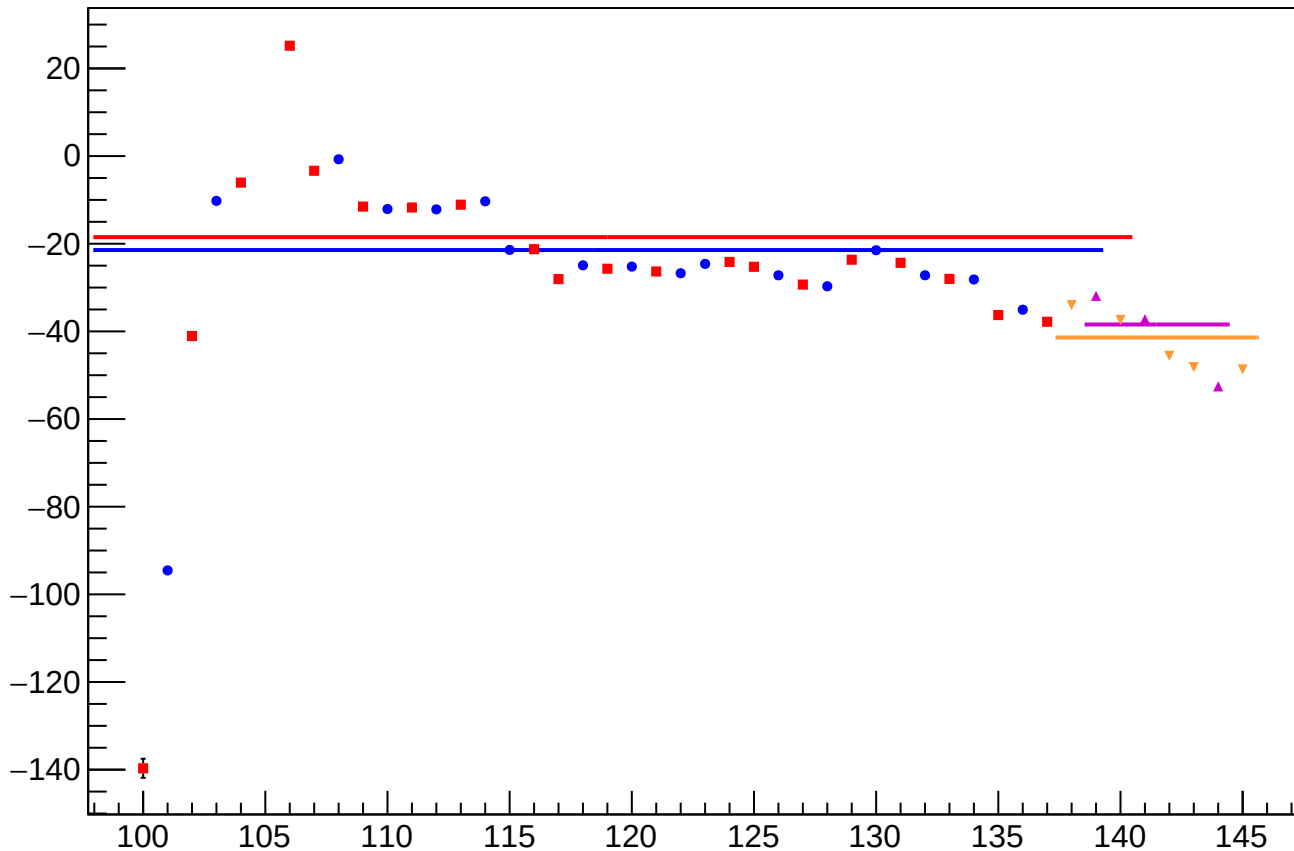
Right Out: -35.343 ± 0.990 χ^2/NDF : 291.6/19

Left In: -0.883 ± 1.828 χ^2/NDF : 8.2/2

-27.073 ± 0.850 χ^2/NDF : 537.4/21

-27.530 ± 0.870 χ^2/NDF : 574.6/22

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -41.391 ± 0.065 $\chi^2/\text{NDF}: 9355.6/4$

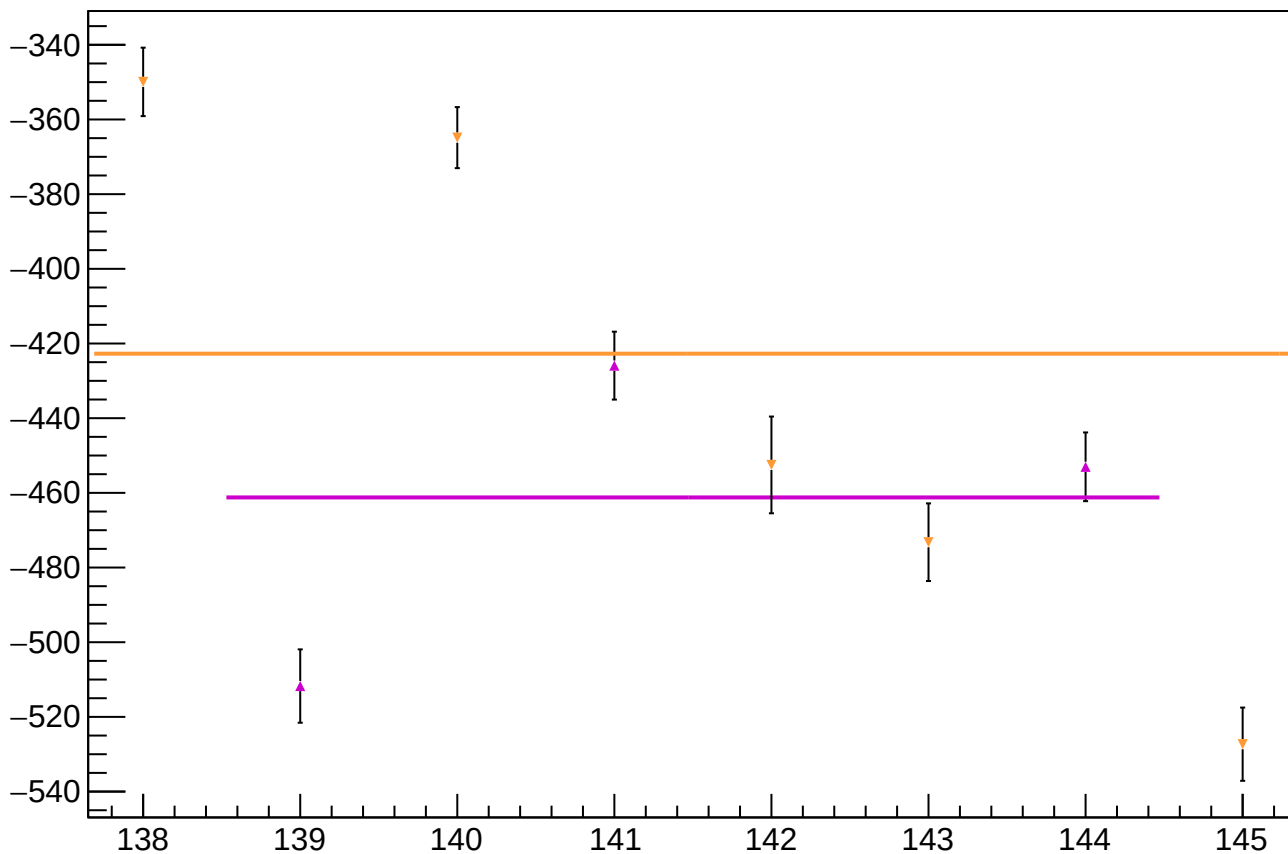
Right Out: -18.490 ± 0.057 $\chi^2/\text{NDF}: 80549.5/19$

Left In: -38.429 ± 0.076 $\chi^2/\text{NDF}: 11677.6/2$

-30.406 ± 0.044 $\chi^2/\text{NDF}: 109847.2/21$

-25.756 ± 0.046 $\chi^2/\text{NDF}: 136322.6/22$

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -422.724+/-4.365 χ^2/NDF : 255.8/4

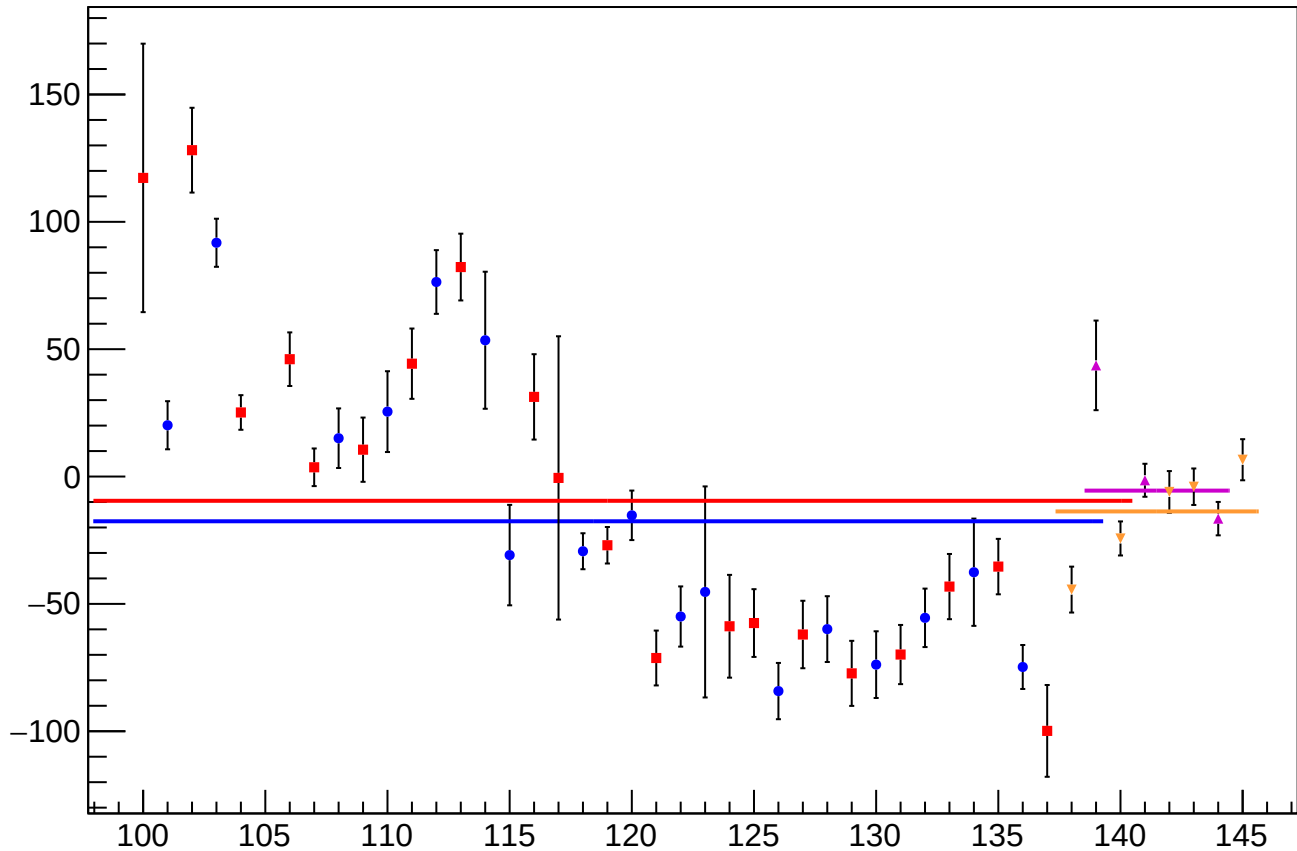
-422.724+/-4.365 χ^2/NDF : 255.8/4

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

-461.222+/-5.403 χ^2/NDF : 42.3/2

Left In: -461.222+/-5.403 χ^2/NDF : 42.3/2

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: -13.696 ± 3.440 $\chi^2/\text{NDF}: 23.2/4$

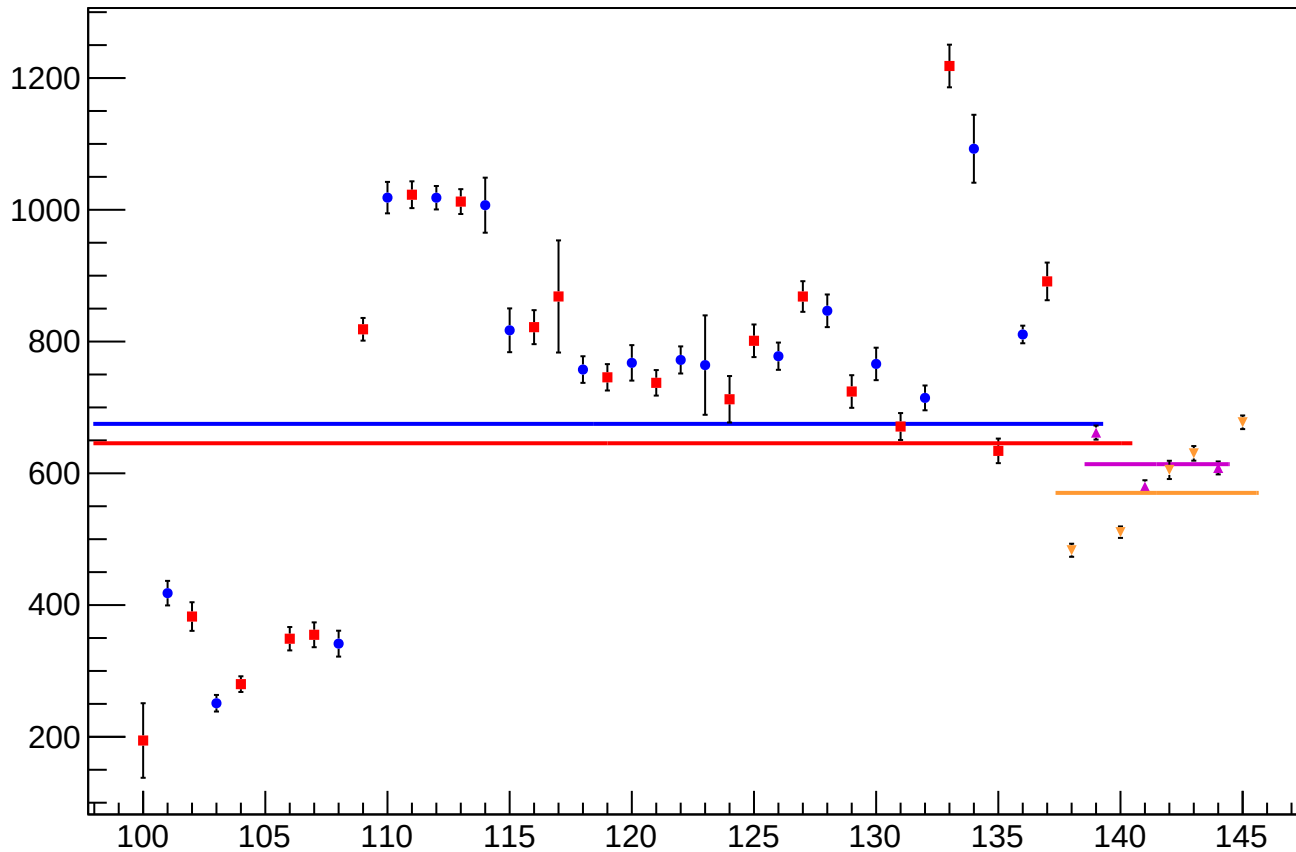
Right Out: -9.527 ± 2.606 $\chi^2/\text{NDF}: 370.3/19$

Left In: -5.527 ± 4.459 $\chi^2/\text{NDF}: 11.0/2$

-16.009 ± 2.181 $\chi^2/\text{NDF}: 387.7/21$

-8.509 ± 2.250 $\chi^2/\text{NDF}: 381.9/22$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 570.299 $\pm$ 4.663 χ^2 /NDF:266.6/4

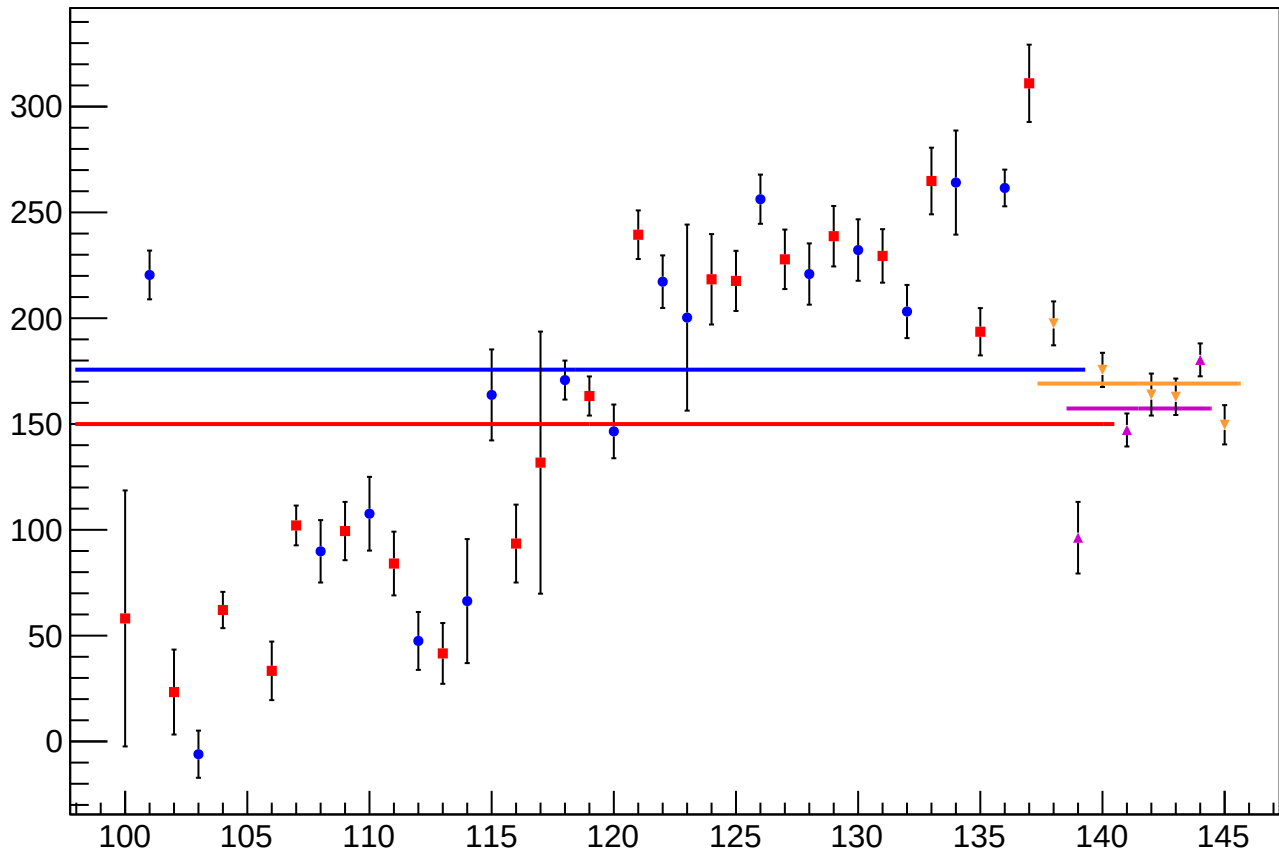
Right Out: 645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

Left In: 613.874 $\pm$ 5.790 χ^2 /NDF:33.0/2

618.323 $\pm$ 3.431 χ^2 /NDF: 3082.4/21

632.832 $\pm$ 3.674 χ^2 /NDF: 3180.0/22

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 169.114 $\pm$ 4.087 χ^2 /NDF:13.3/4

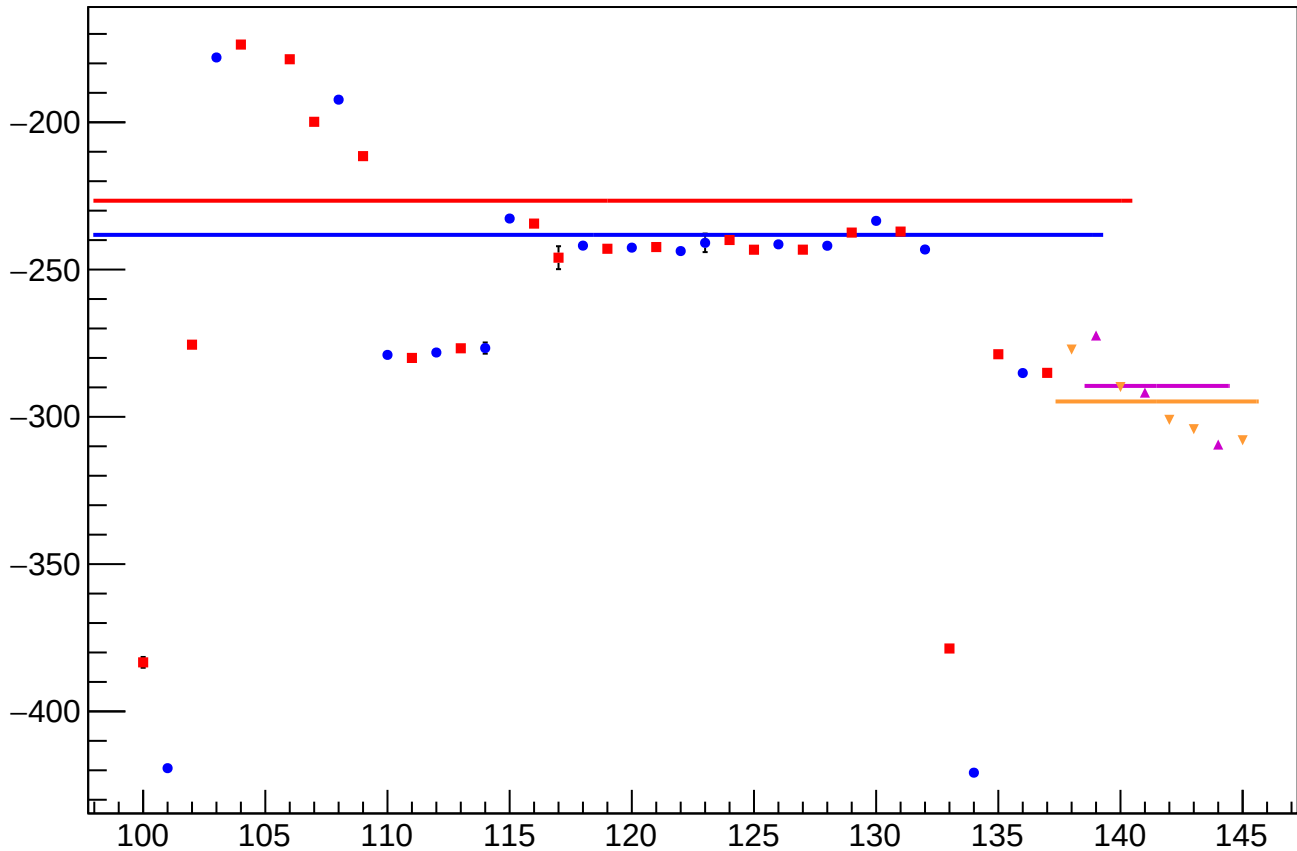
Right Out: 149.973 $\pm$ 3.038 χ^2 /NDF: 693.8/19

Left In: 157.334 $\pm$ 5.239 χ^2 /NDF:23.4/2

173.151 $\pm$ 2.538 χ^2 /NDF: 652.8/21

151.826 $\pm$ 2.628 χ^2 /NDF: 718.7/22

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -294.782+/-0.191 χ^2/NDF : 3765.0/4

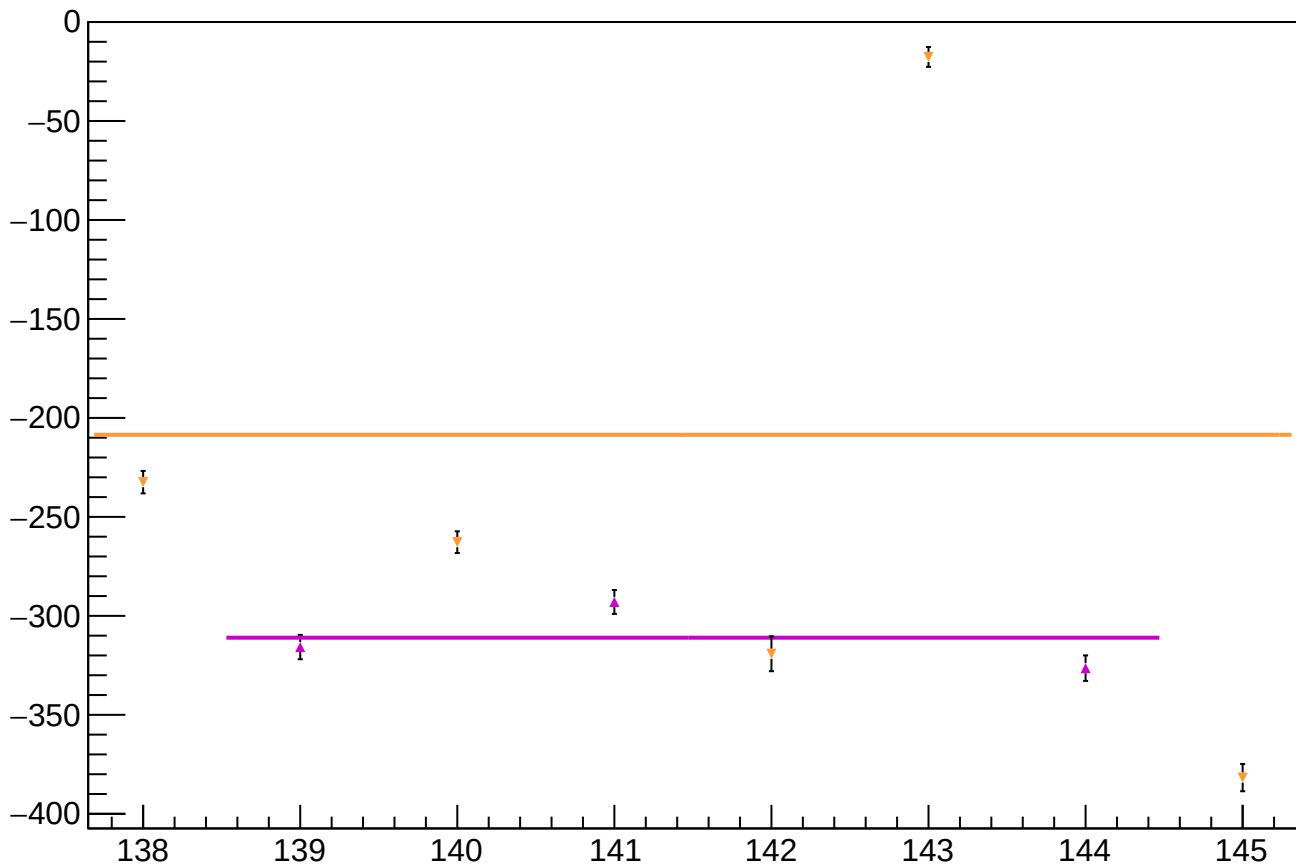
Right Out: -226.626+/-0.151 χ^2/NDF : 102587.0/19

Left In: -289.500+/-0.229 χ^2/NDF : 4269.7/2

-261.685+/-0.123 χ^2/NDF : 222444.1/21

-245.693+/-0.126 χ^2/NDF : 159354.2/22

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -208.531+/-2.693 χ^2/NDF : 2357.3/4

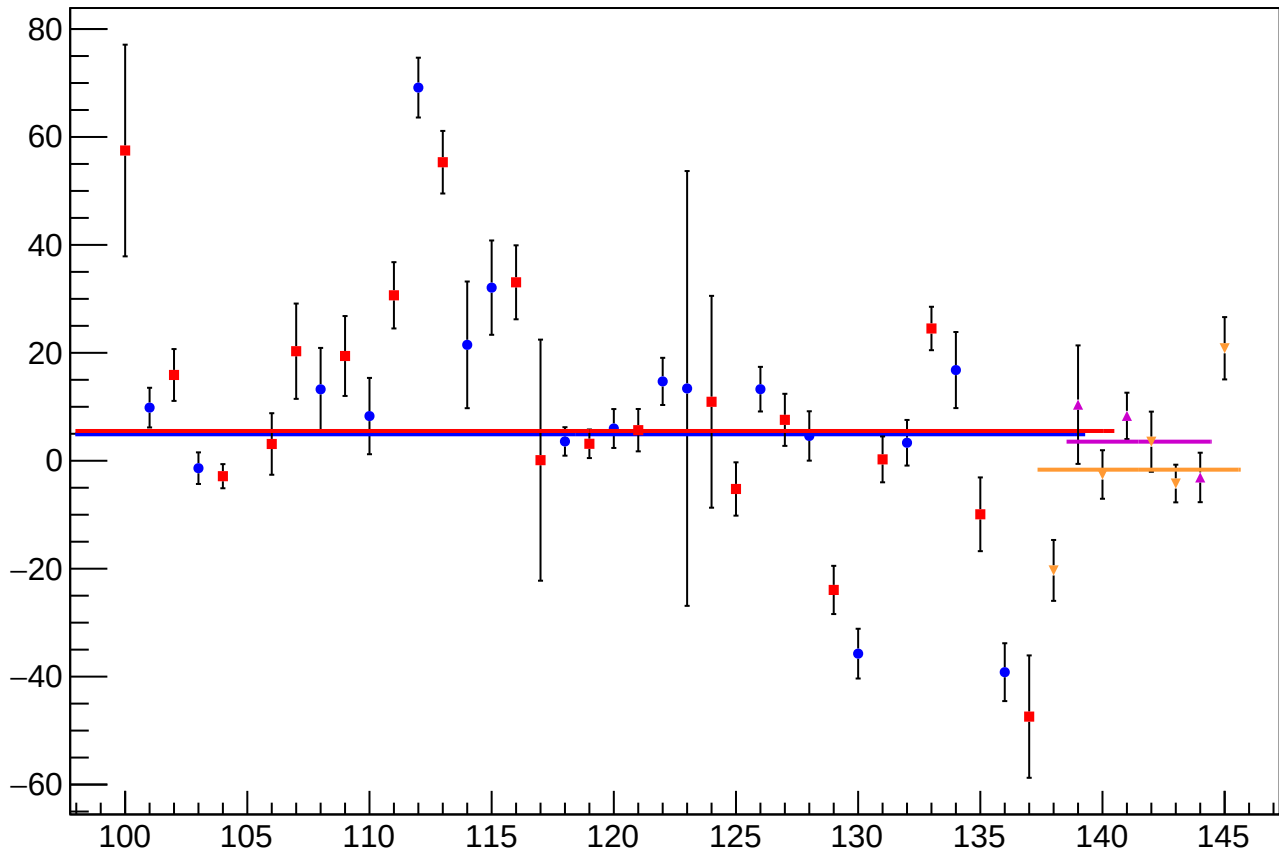
-208.531+/-2.693 χ^2/NDF : 2357.3/4

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

-311.029+/-3.579 χ^2/NDF : 15.3/2

Left In: -311.029+/-3.579 χ^2/NDF : 15.3/2

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: -1.651 ± 2.107 χ^2/NDF : 27.6/4

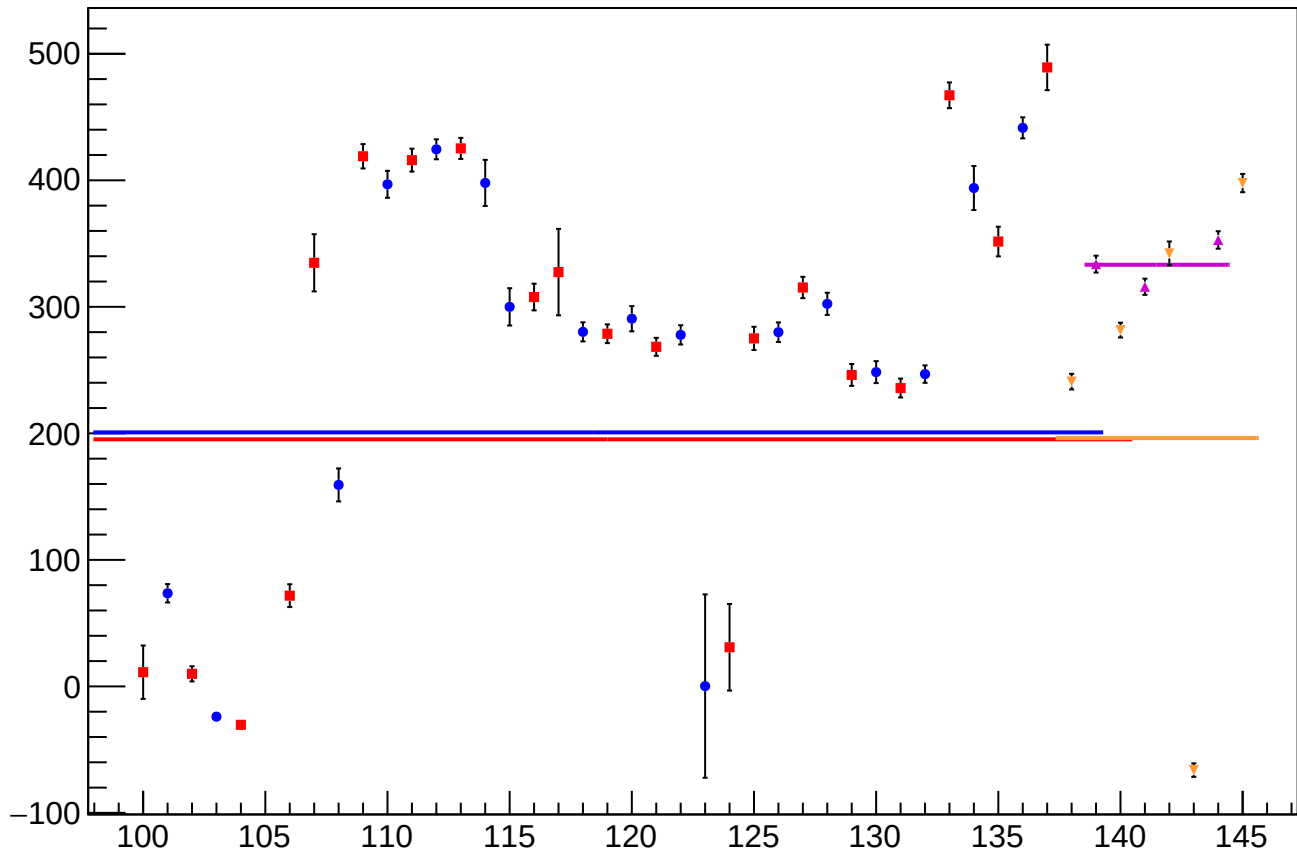
Right Out: 5.517 ± 1.067 χ^2/NDF : 239.0/19

Left In: 3.539 ± 3.014 χ^2/NDF : 3.7/2

3.490 ± 0.979 χ^2/NDF : 346.8/21

5.297 ± 1.006 χ^2/NDF : 243.1/22

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 196.251 $\pm$ 2.875 χ^2 /NDF:3692.7/4

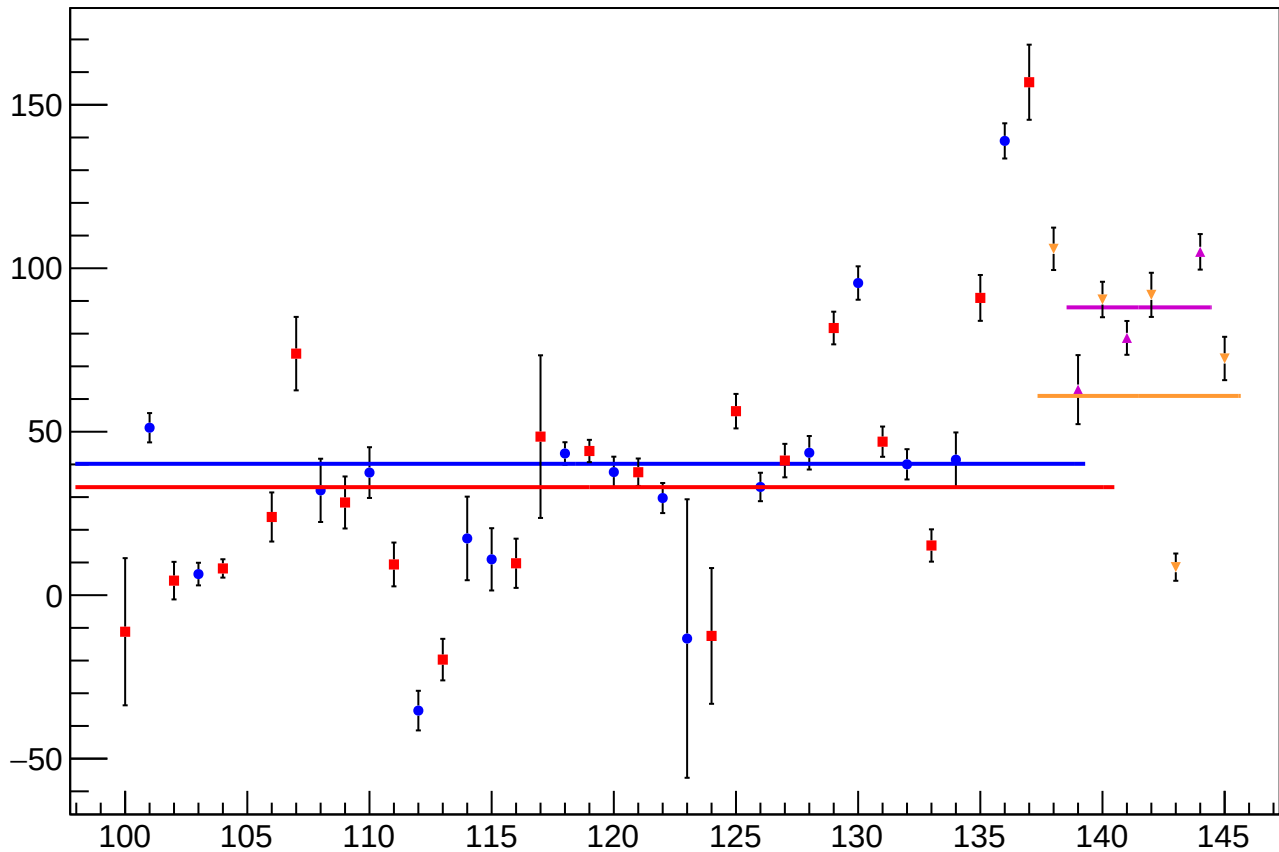
Right Out: 195.311 $\pm$ 1.921 χ^2 /NDF: 8262.1/19

Left In: 333.278 $\pm$ 3.837 χ^2 /NDF:15.4/2

199.315 $\pm$ 1.632 χ^2 /NDF: 10427.3/21

222.957 $\pm$ 1.718 χ^2 /NDF: 9311.4/22

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 $\chi^2/\text{NDF}: 734.6/16$

Left Out: 60.953 ± 2.501 $\chi^2/\text{NDF}: 259.4/4$

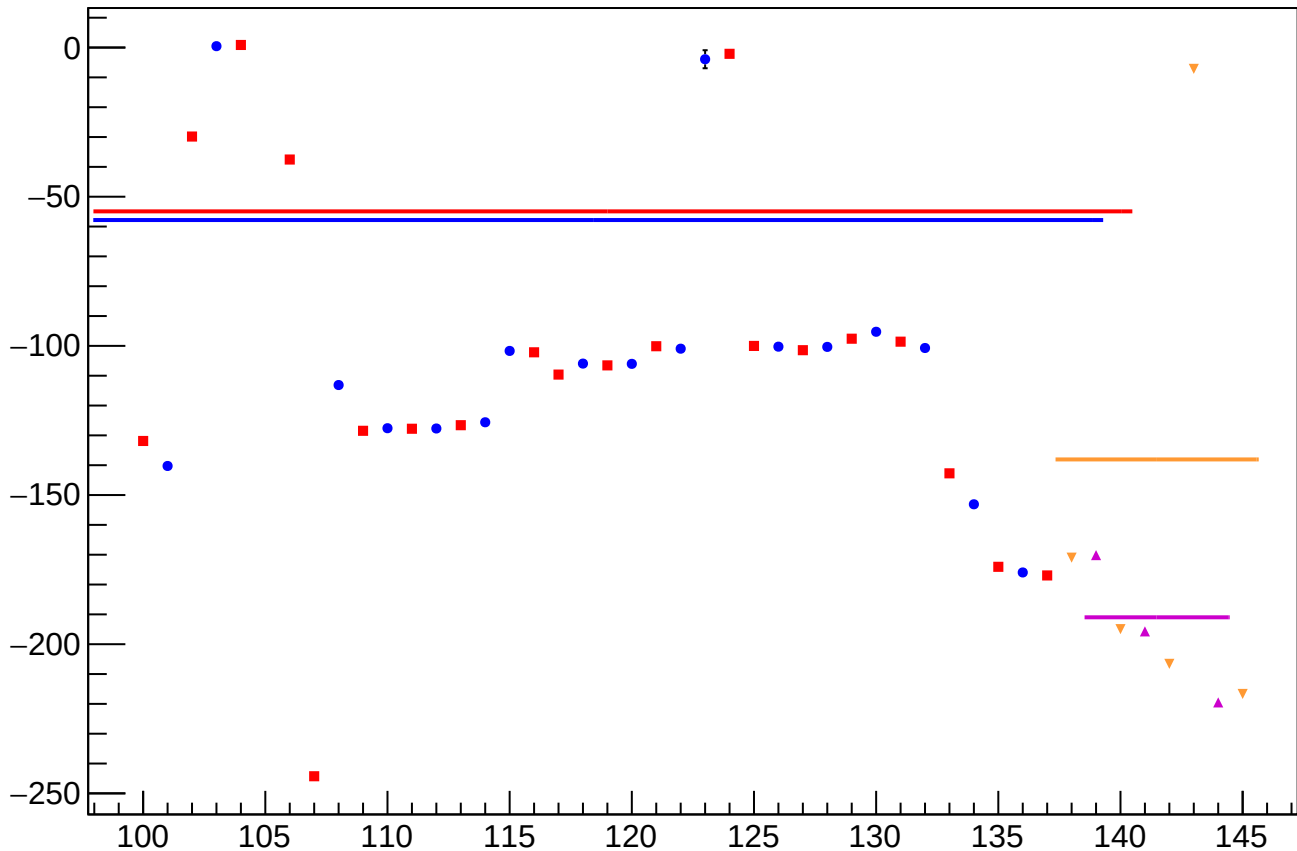
Right Out: 33.045 ± 1.249 $\chi^2/\text{NDF}: 553.1/19$

Left In: 88.039 ± 3.532 $\chi^2/\text{NDF}: 18.7/2$

44.514 ± 1.142 $\chi^2/\text{NDF}: 1048.5/21$

39.154 ± 1.177 $\chi^2/\text{NDF}: 787.2/22$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 +/- 0.062 χ^2/NDF : 1101296.2/16

Left Out: -138.065 +/- 0.117 χ^2/NDF : 551132.6/4

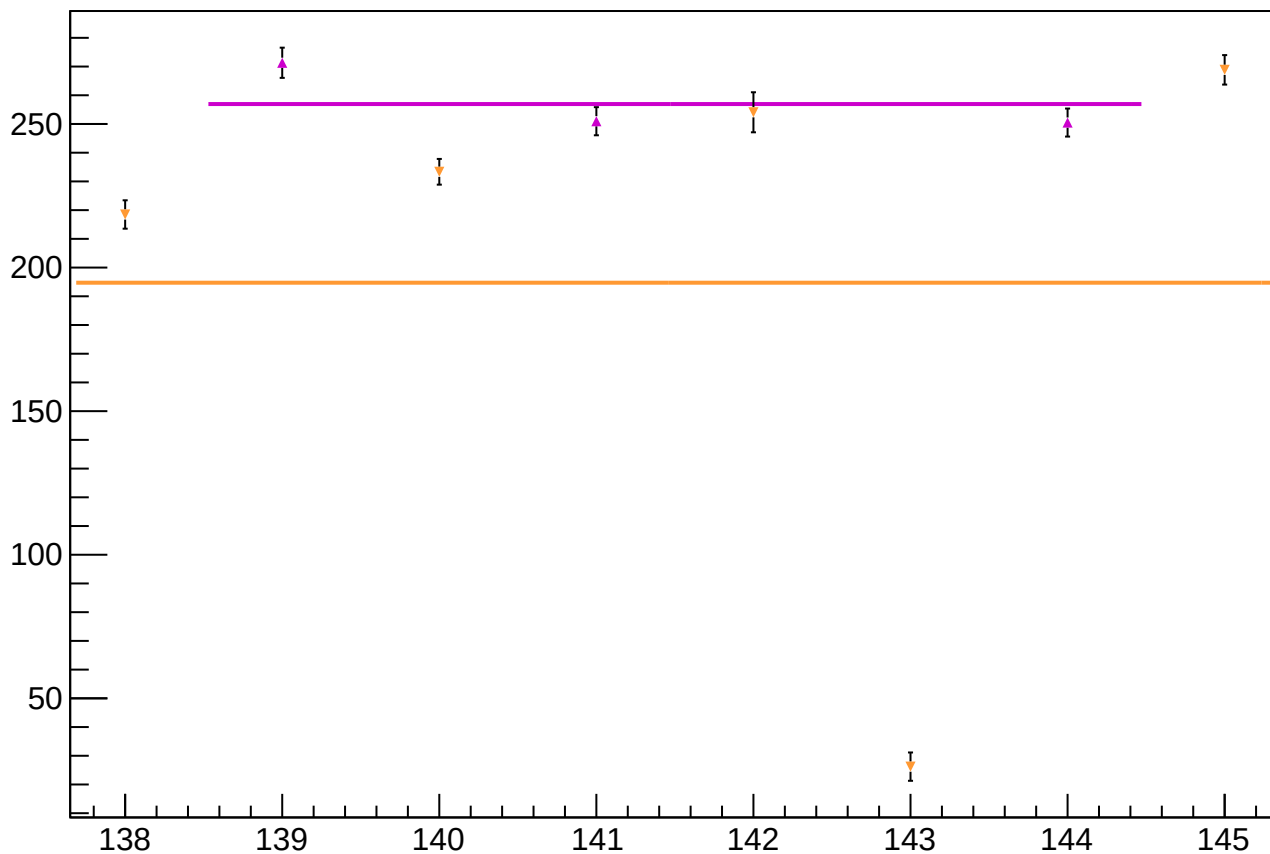
Right Out: -54.915 +/- 0.060 χ^2/NDF : 1001968.3/19

Left In: -190.985 +/- 0.150 χ^2/NDF : 17251.8/2

-75.343 +/- 0.055 χ^2/NDF : 2020704.3/21

-73.681 +/- 0.056 χ^2/NDF : 1724146.2/22

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 194.730+/-2.292 χ^2/NDF : 1546.2/4

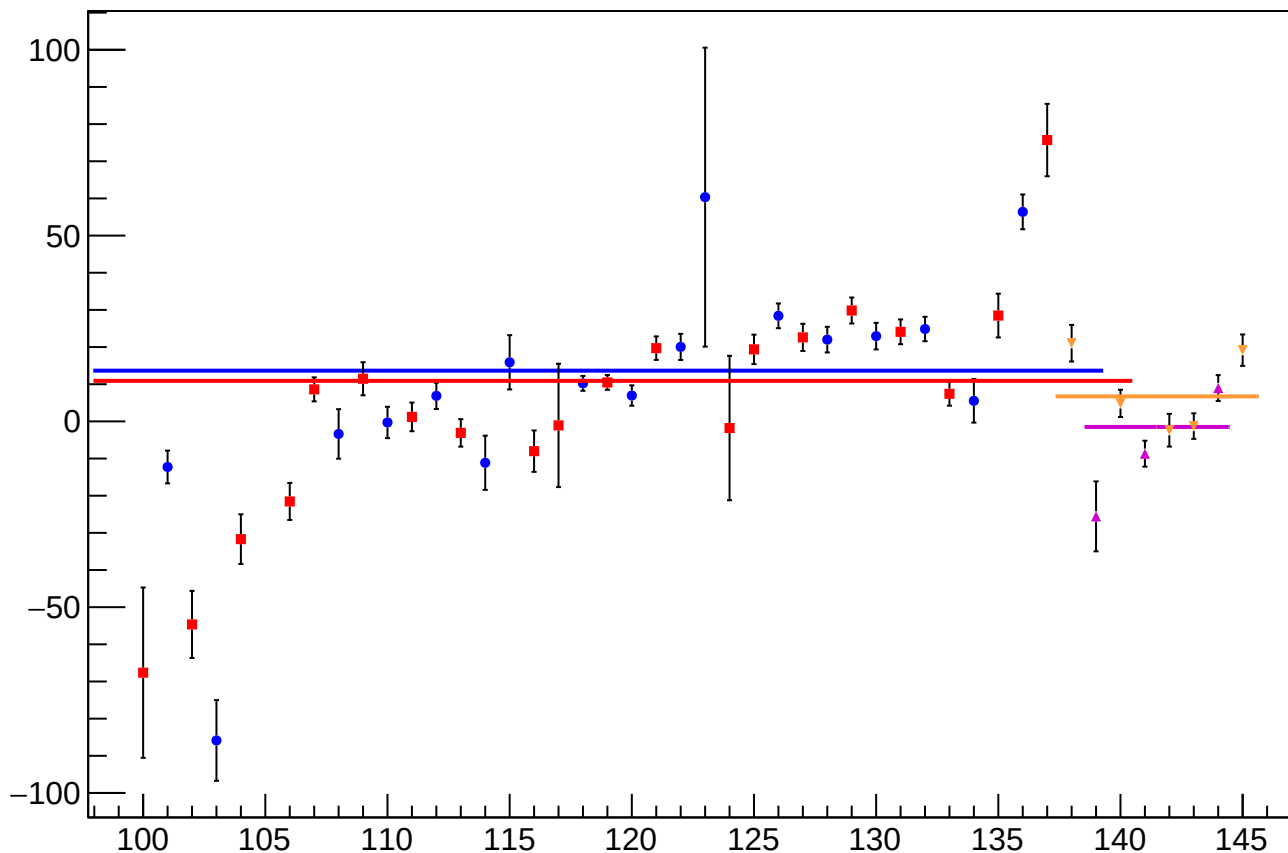
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 256.940+/-2.889 χ^2/NDF : 10.7/2

194.730+/-2.292 χ^2/NDF : 1546.2/4

256.940+/-2.889 χ^2/NDF : 10.7/2

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 ± 0.936 $\chi^2/\text{NDF}: 294.0/16$

Left Out: 6.723 ± 1.803 $\chi^2/\text{NDF}: 27.0/4$

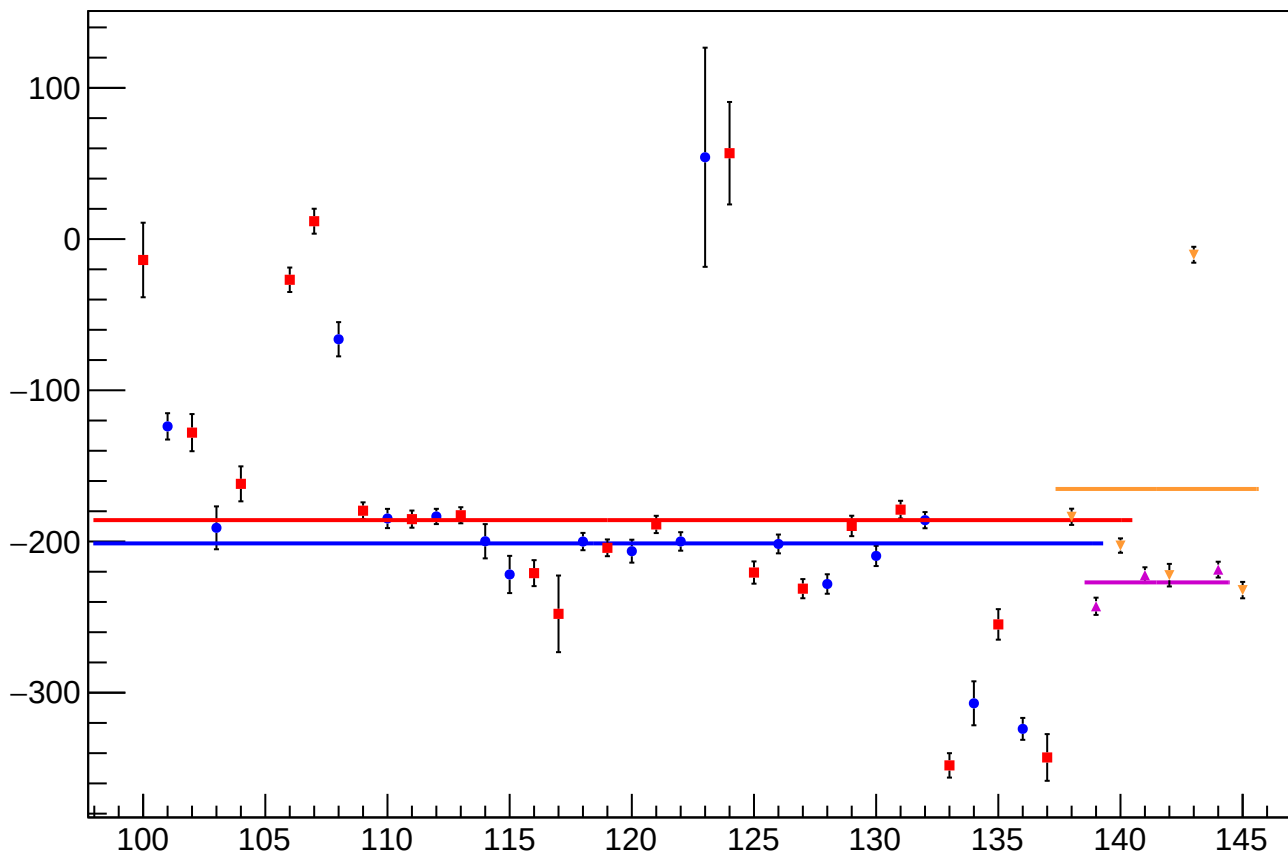
Right Out: 10.908 ± 0.912 $\chi^2/\text{NDF}: 303.1/19$

Left In: -1.492 ± 2.385 $\chi^2/\text{NDF}: 19.8/2$

12.180 ± 0.831 $\chi^2/\text{NDF}: 332.7/21$

9.326 ± 0.852 $\chi^2/\text{NDF}: 346.5/22$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 $\pm$ 1.795 χ^2/NDF : 623.4/16

Left Out: -165.257 $\pm$ 2.448 χ^2/NDF : 1149.8/4

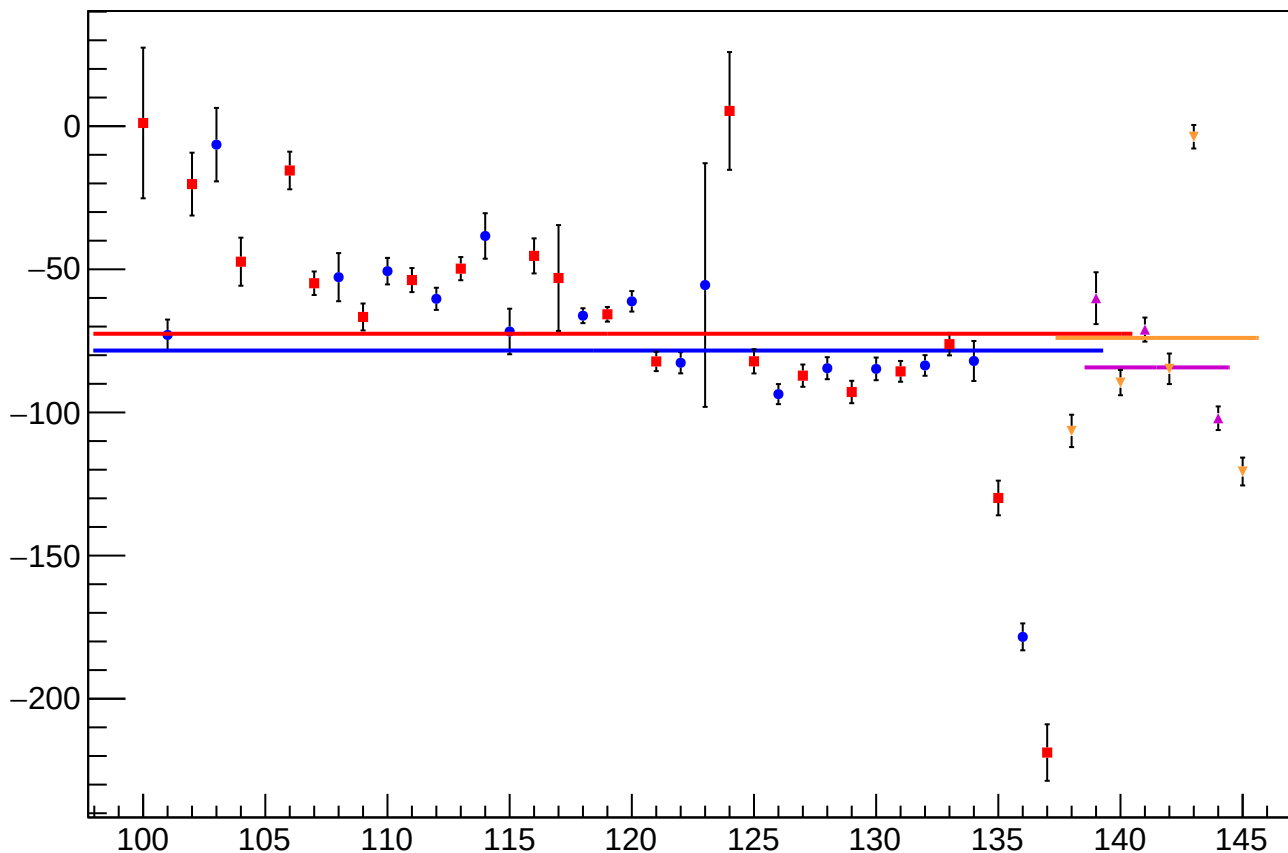
Right Out: -185.871 $\pm$ 1.695 χ^2/NDF : 1752.0/19

Left In: -227.056 $\pm$ 3.096 χ^2/NDF : 11.1/2

-188.672 $\pm$ 1.448 χ^2/NDF : 1913.9/21

-195.373 $\pm$ 1.487 χ^2/NDF : 1899.3/22

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -73.964 ± 2.136 χ^2/NDF : 434.5/4

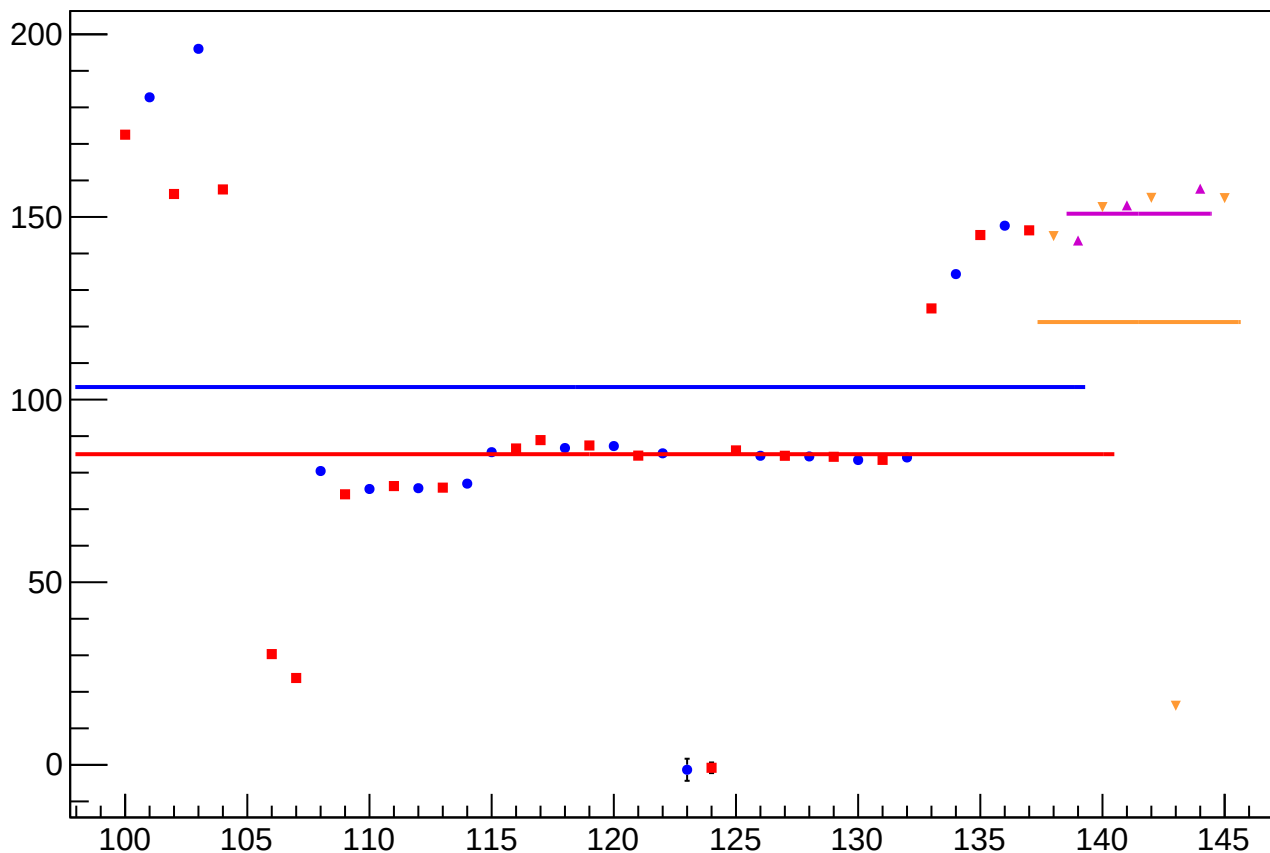
Right Out: -72.514 ± 1.050 χ^2/NDF : 607.0/19

Left In: -84.262 ± 2.800 χ^2/NDF : 35.5/2

-77.476 ± 0.965 χ^2/NDF : 1089.2/21

-73.961 ± 0.983 χ^2/NDF : 657.9/22

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 ± 0.071 χ^2/NDF : 272785.6/16

Left Out: 121.232 ± 0.100 χ^2/NDF : 322193.3/4

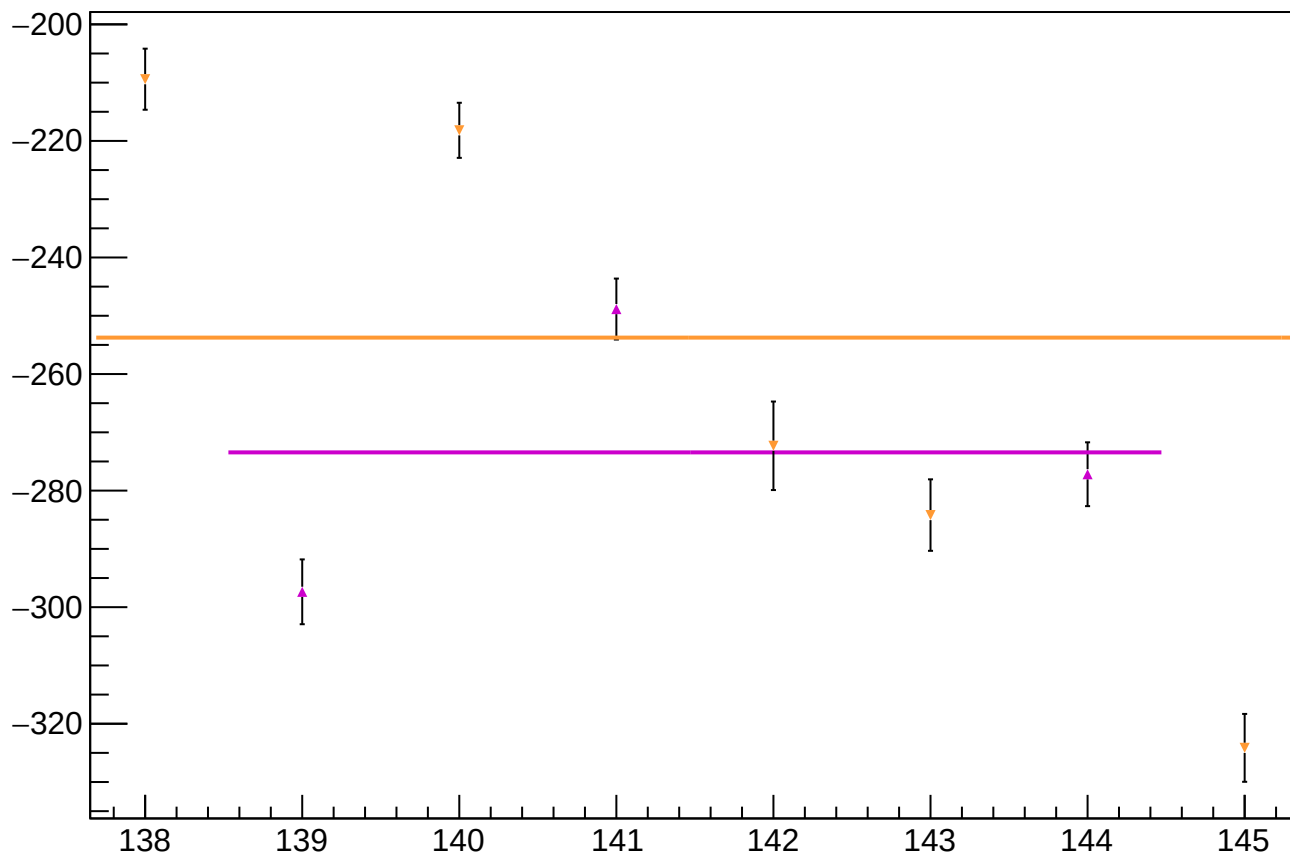
Right Out: 85.054 ± 0.064 χ^2/NDF : 422354.0/19

Left In: 150.888 ± 0.122 χ^2/NDF : 2363.1/2

109.421 ± 0.058 χ^2/NDF : 616178.6/21

99.052 ± 0.056 χ^2/NDF : 652221.9/22

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -253.748+/-2.543 χ^2/NDF : 305.0/4

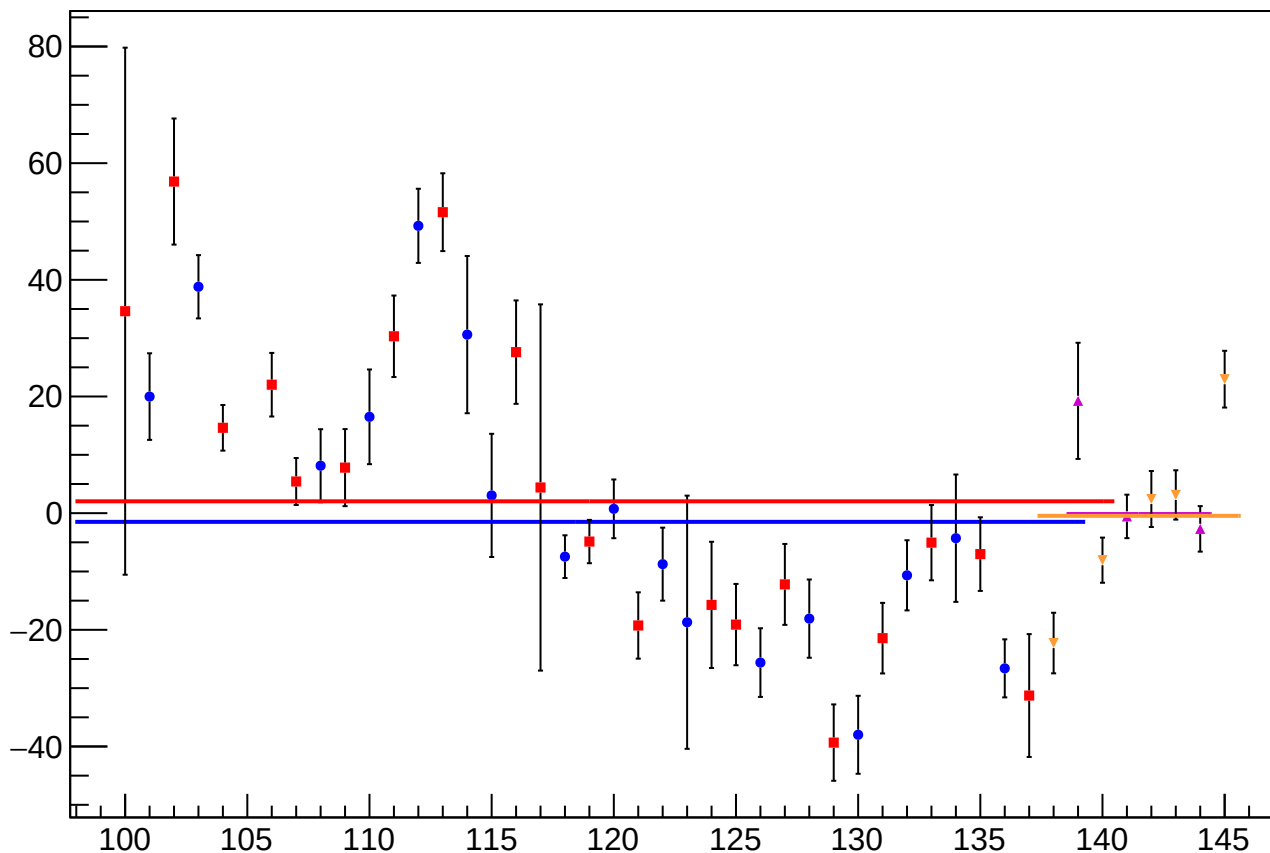
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -273.441+/-3.127 χ^2/NDF : 41.1/2

-253.748+/-2.543 χ^2/NDF : 305.0/4

-273.441+/-3.127 χ^2/NDF : 41.1/2

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: -0.456 ± 2.019 χ^2/NDF : 45.8/4

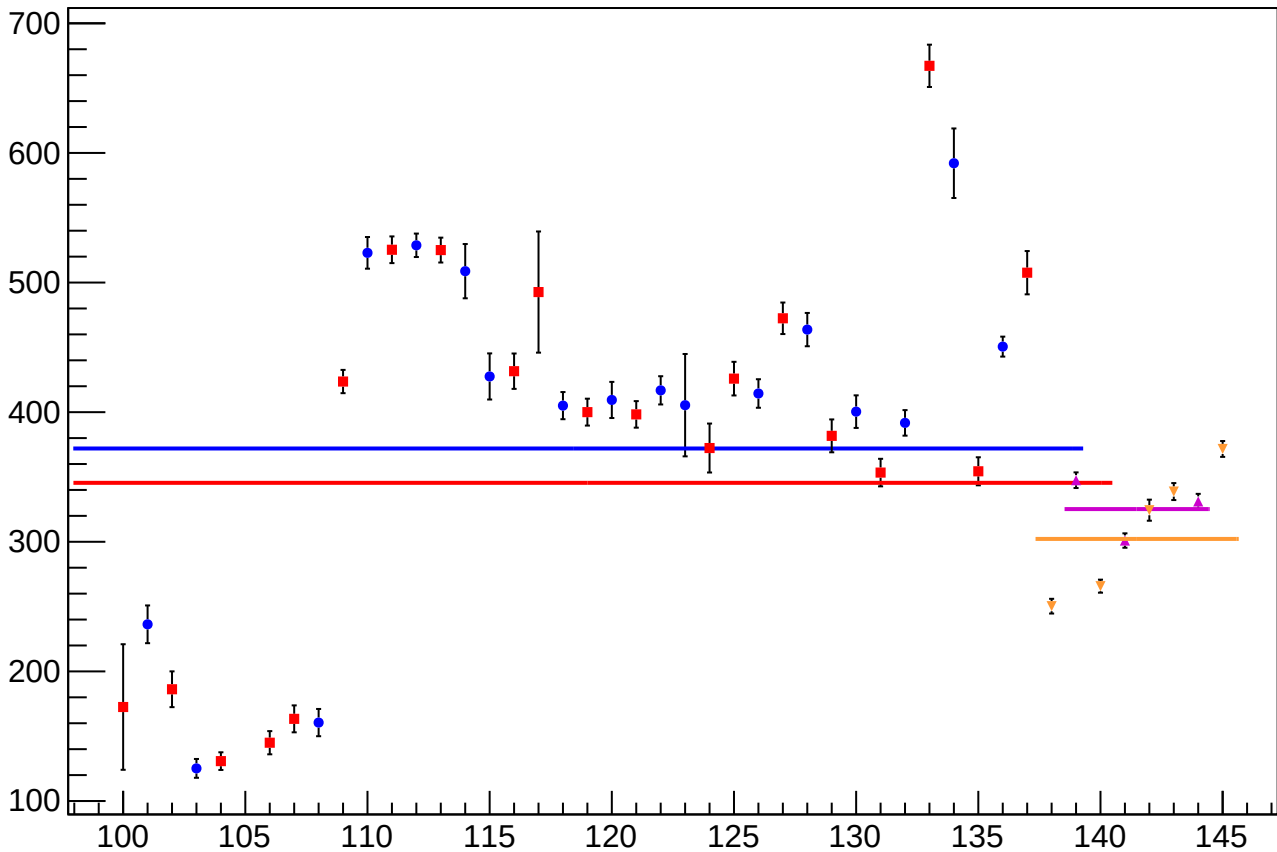
Right Out: 2.032 ± 1.398 χ^2/NDF : 233.3/19

Left In: -0.155 ± 2.601 χ^2/NDF : 4.2/2

-1.111 ± 1.223 χ^2/NDF : 271.9/21

1.542 ± 1.232 χ^2/NDF : 238.1/22

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 $\pm$ 2.778 χ^2/NDF : 2432.6/16

Left Out: 302.206 $\pm$ 2.714 χ^2/NDF : 303.6/4

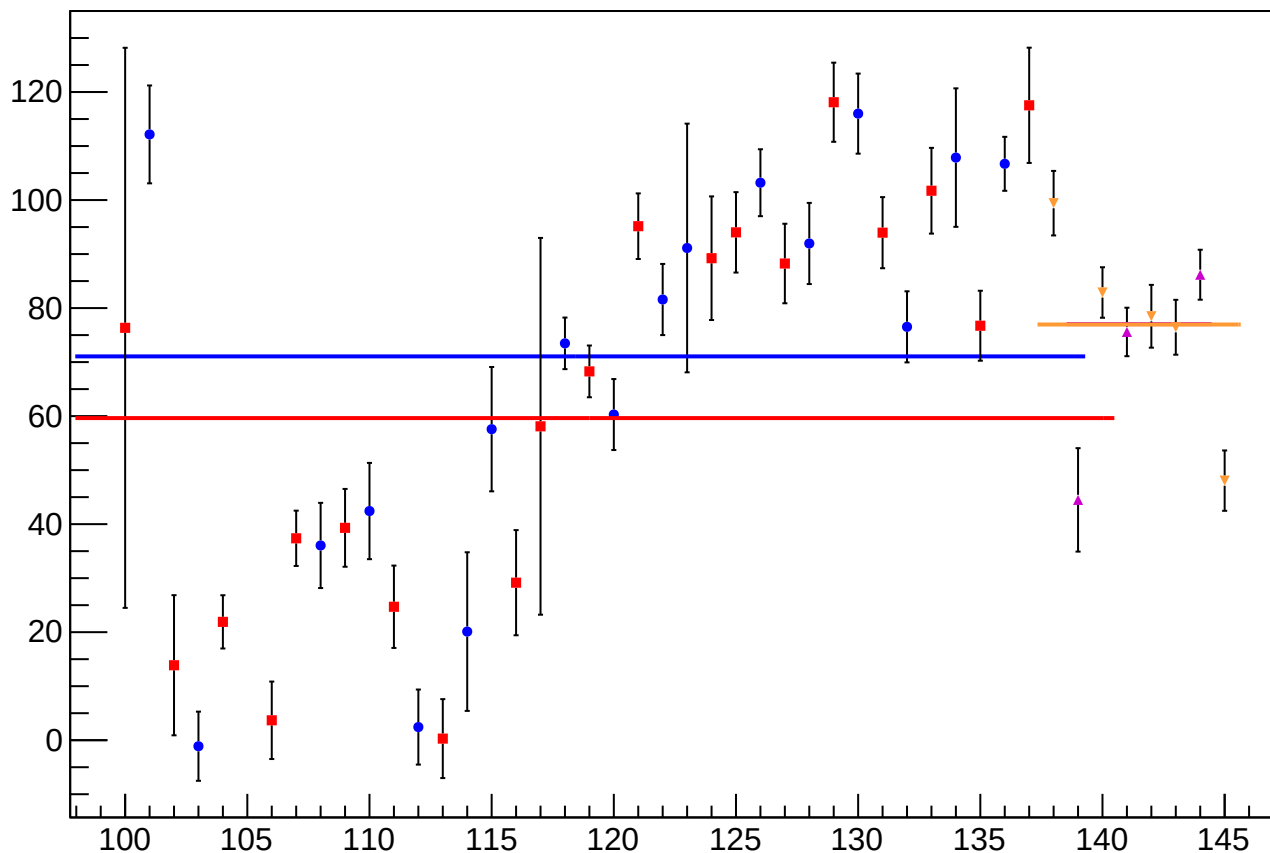
Right Out: 345.485 $\pm$ 2.558 χ^2/NDF : 3425.1/19

Left In: 325.233 $\pm$ 3.352 χ^2/NDF : 33.7/2

336.280 $\pm$ 1.941 χ^2/NDF : 3059.0/21

338.030 $\pm$ 2.034 χ^2/NDF : 3481.9/22

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 76.960 $\pm$ 2.396 χ^2 /NDF:42.6/4

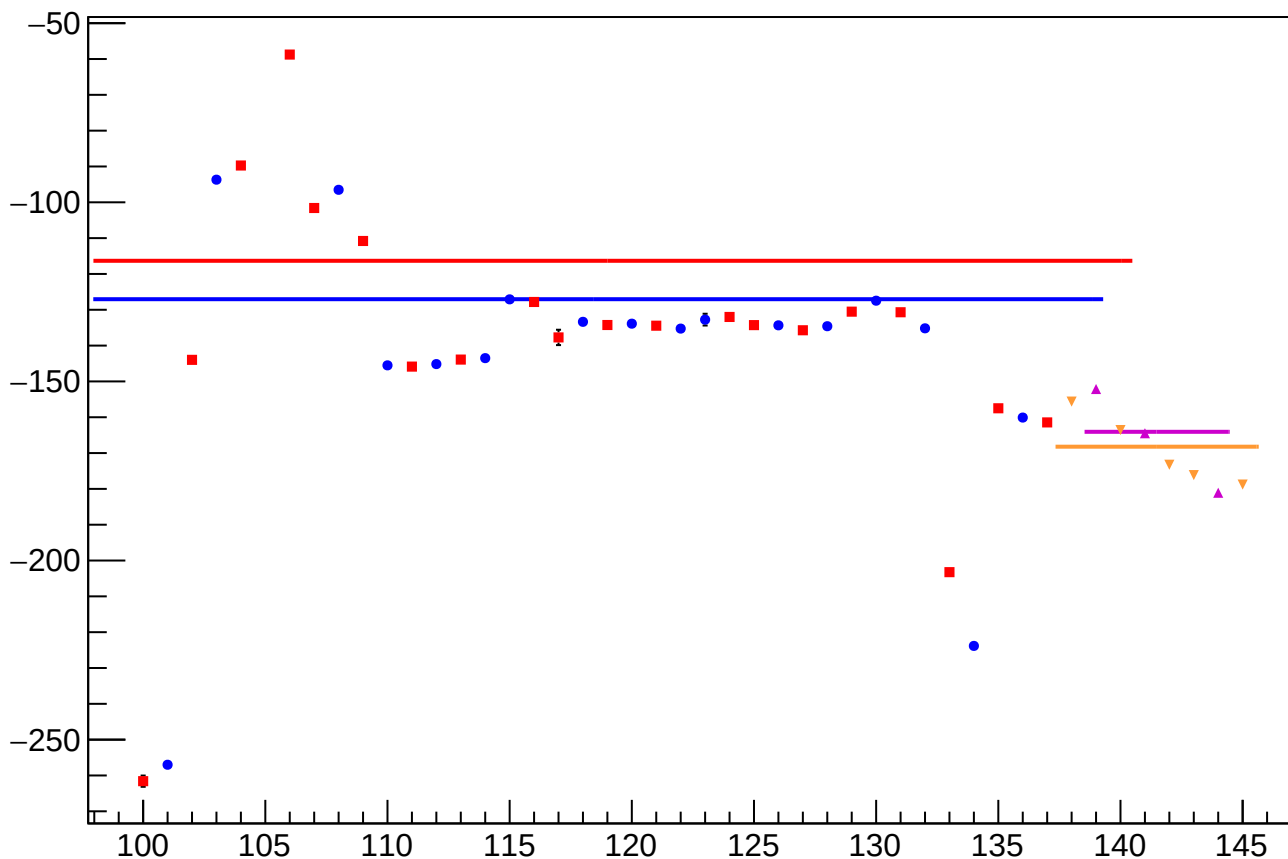
Right Out: 59.634 $\pm$ 1.629 χ^2 /NDF: 491.6/19

Left In: 77.036 $\pm$ 3.053 χ^2 /NDF:15.6/2

73.131 $\pm$ 1.421 χ^2 /NDF: 472.7/21

63.491 $\pm$ 1.437 χ^2 /NDF: 532.5/22

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 $\pm$ 0.090 χ^2/NDF : 167014.4/16

Left Out: -168.220 $\pm$ 0.111 χ^2/NDF : 6627.8/4

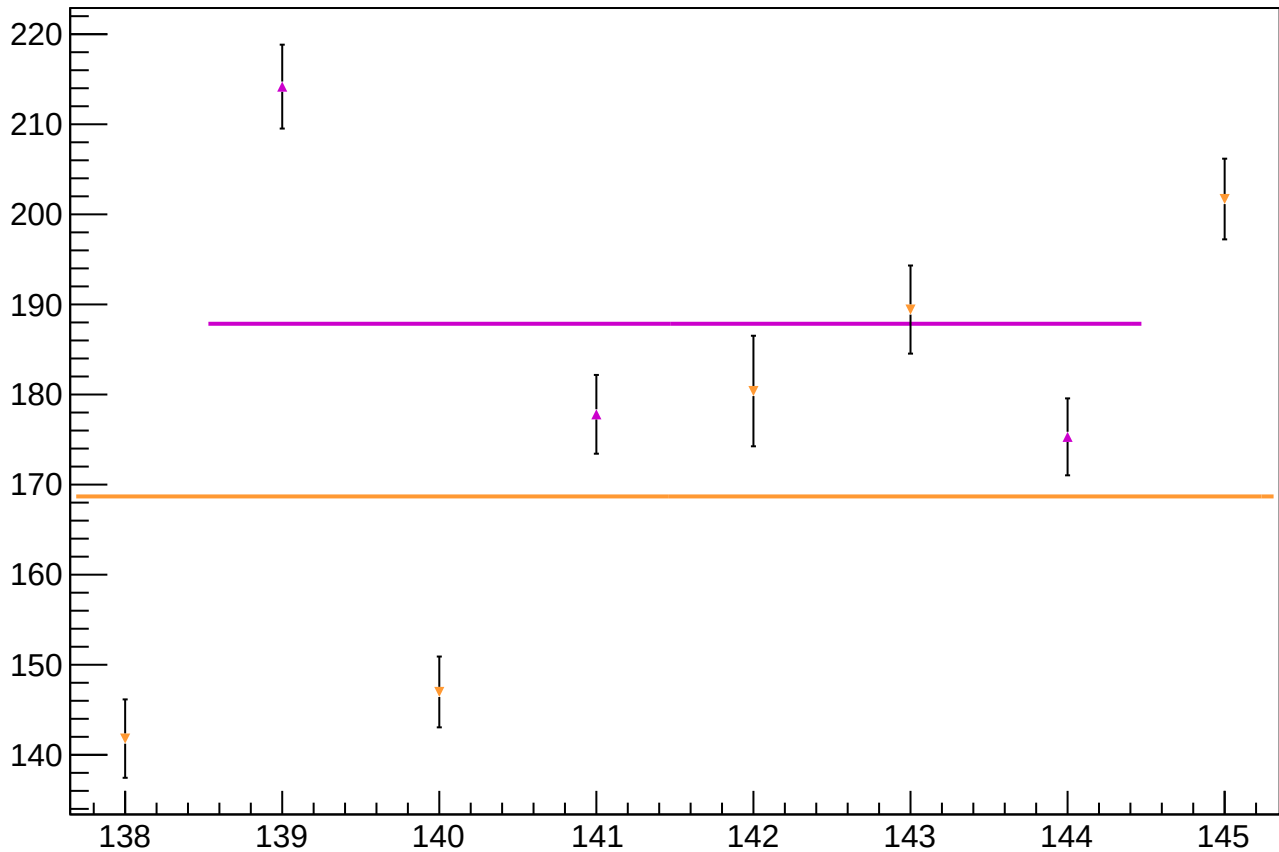
Right Out: -116.327 $\pm$ 0.083 χ^2/NDF : 167208.7/19

Left In: -164.067 $\pm$ 0.132 χ^2/NDF : 7600.3/2

-143.342 $\pm$ 0.070 χ^2/NDF : 256870.5/21

-129.815 $\pm$ 0.070 χ^2/NDF : 268450.6/22

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 168.685+/-2.060 χ^2/NDF : 144.6/4

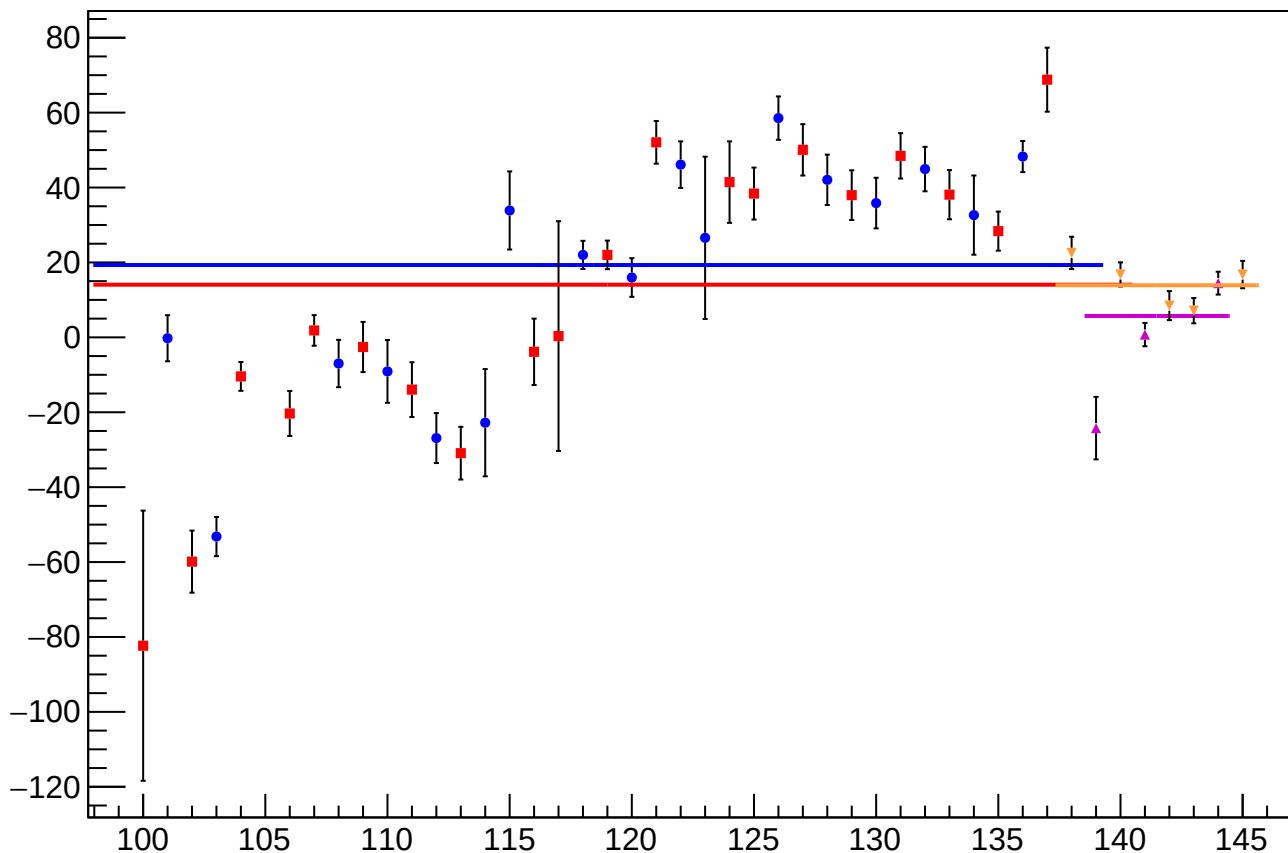
168.685+/-2.060 χ^2/NDF : 144.6/4

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

187.854+/-2.554 χ^2/NDF : 45.9/2

Left In: 187.854+/-2.554 χ^2/NDF : 45.9/2

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 13.912 ± 1.623 χ^2/NDF : 11.5/4

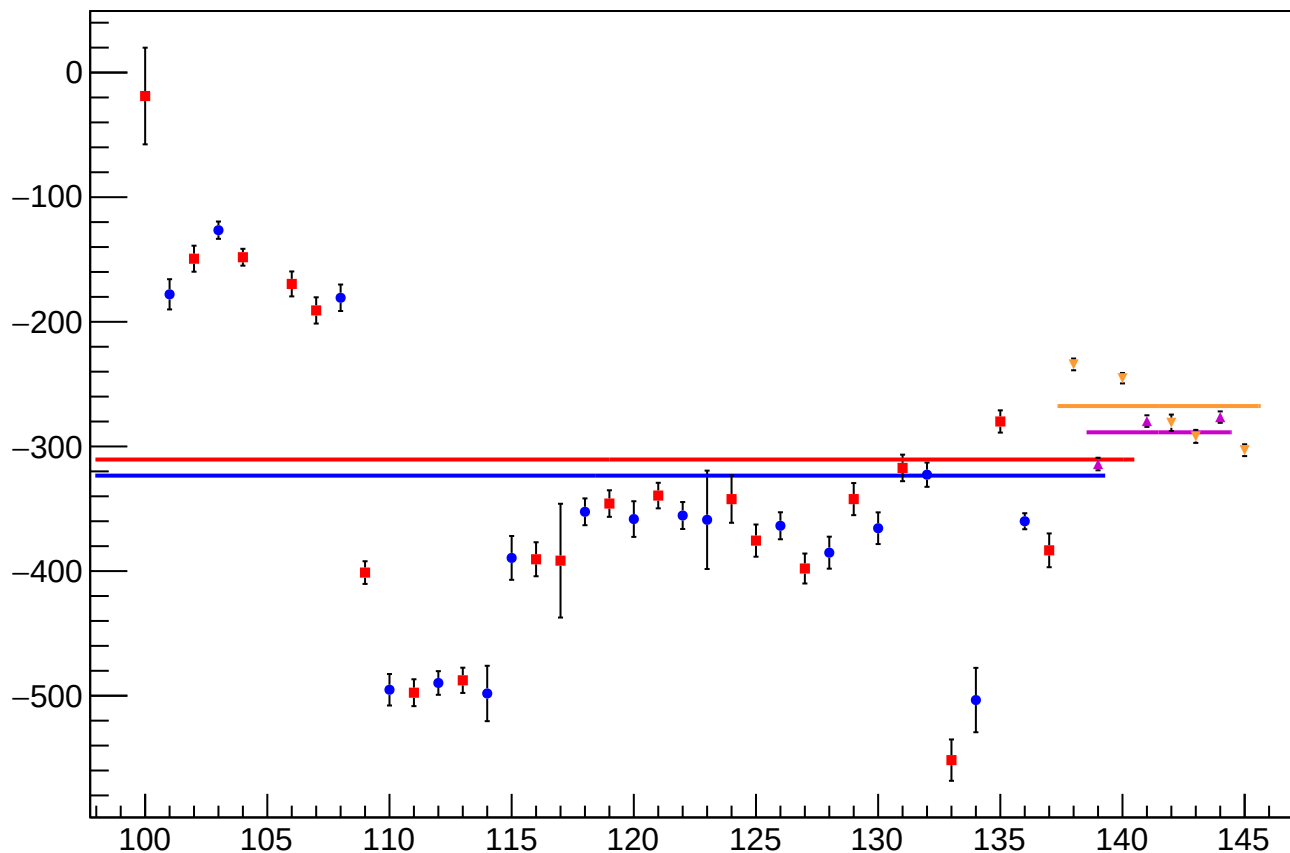
Right Out: 14.055 ± 1.388 χ^2/NDF : 437.1/19

Left In: 5.705 ± 2.110 χ^2/NDF : 23.7/2

16.821 ± 1.102 χ^2/NDF : 458.7/21

11.532 ± 1.160 χ^2/NDF : 471.7/22

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -267.581 ± 2.202 $\chi^2/\text{NDF}: 160.3/4$

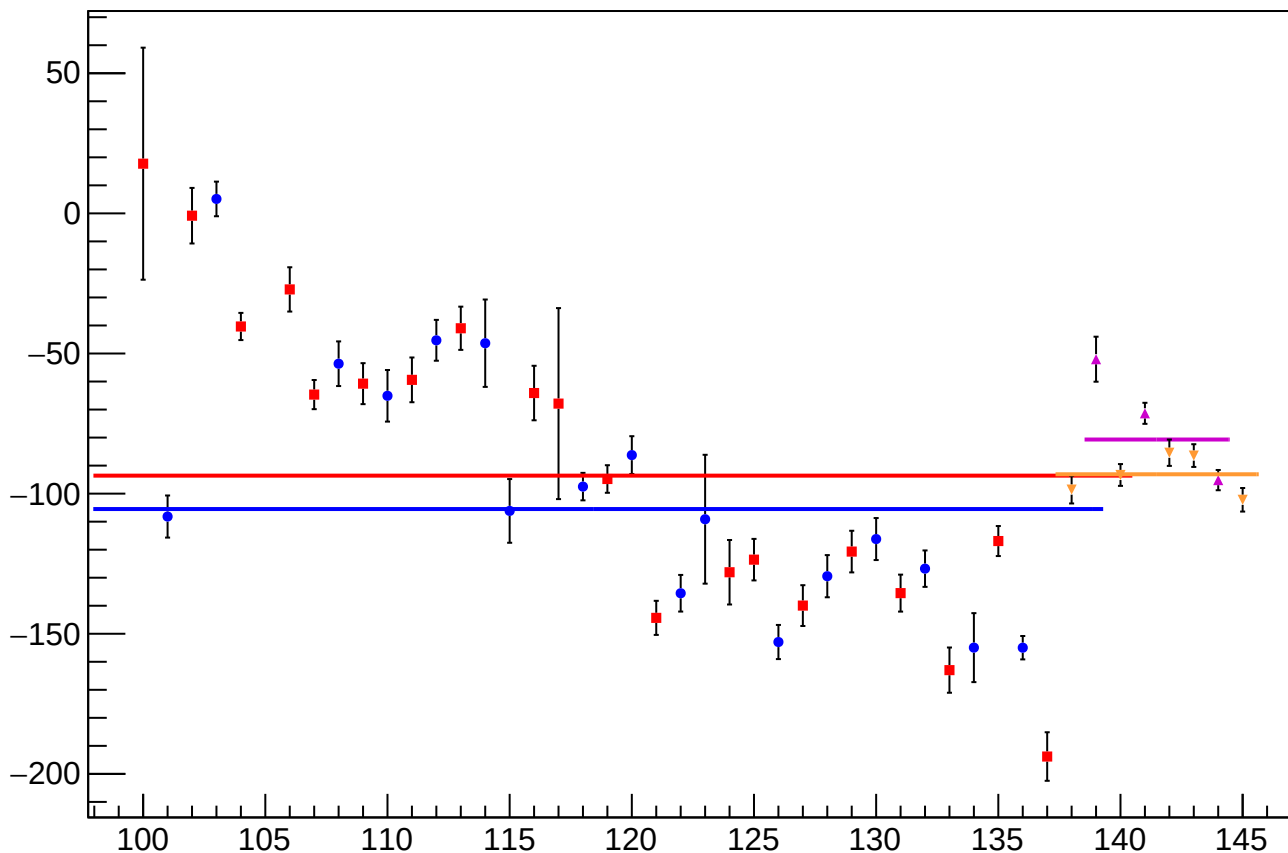
Right Out: -310.484 ± 2.520 $\chi^2/\text{NDF}: 2302.0/19$

Left In: -288.654 ± 2.738 $\chi^2/\text{NDF}: 36.3/2$

-290.033 ± 1.702 $\chi^2/\text{NDF}: 2268.5/21$

-300.474 ± 1.854 $\chi^2/\text{NDF}: 2372.7/22$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 $\pm$ 1.712 χ^2/NDF : 737.3/16

Left Out: -93.093 $\pm$ 1.926 χ^2/NDF : 11.3/4

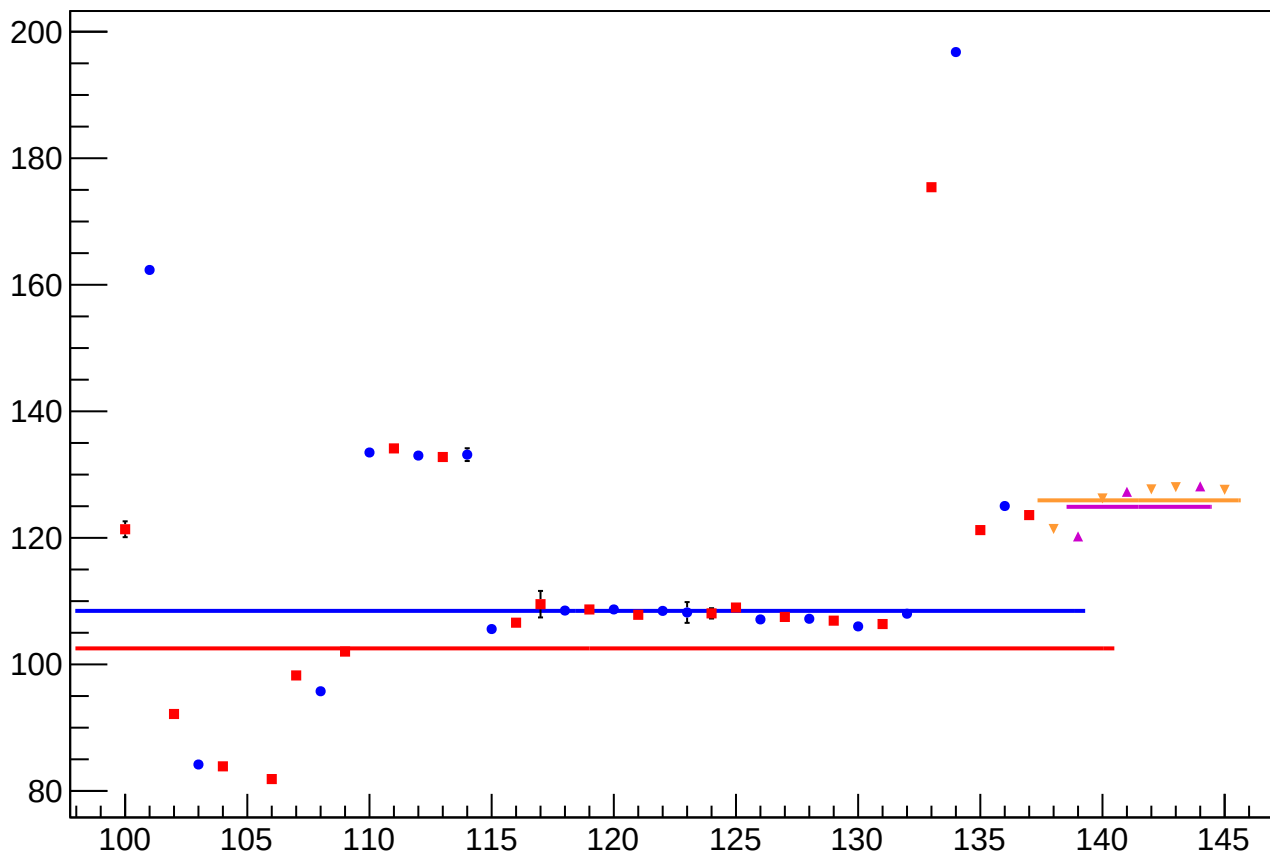
Right Out: -93.579 $\pm$ 1.608 χ^2/NDF : 827.7/19

Left In: -80.692 $\pm$ 2.476 χ^2/NDF : 35.0/2

-100.021 $\pm$ 1.279 χ^2/NDF : 771.8/21

-89.756 $\pm$ 1.349 χ^2/NDF : 881.7/22

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460+/-0.085 χ^2/NDF : 73301.9/16

Left Out: 125.930+/-0.090 χ^2/NDF : 807.9/4

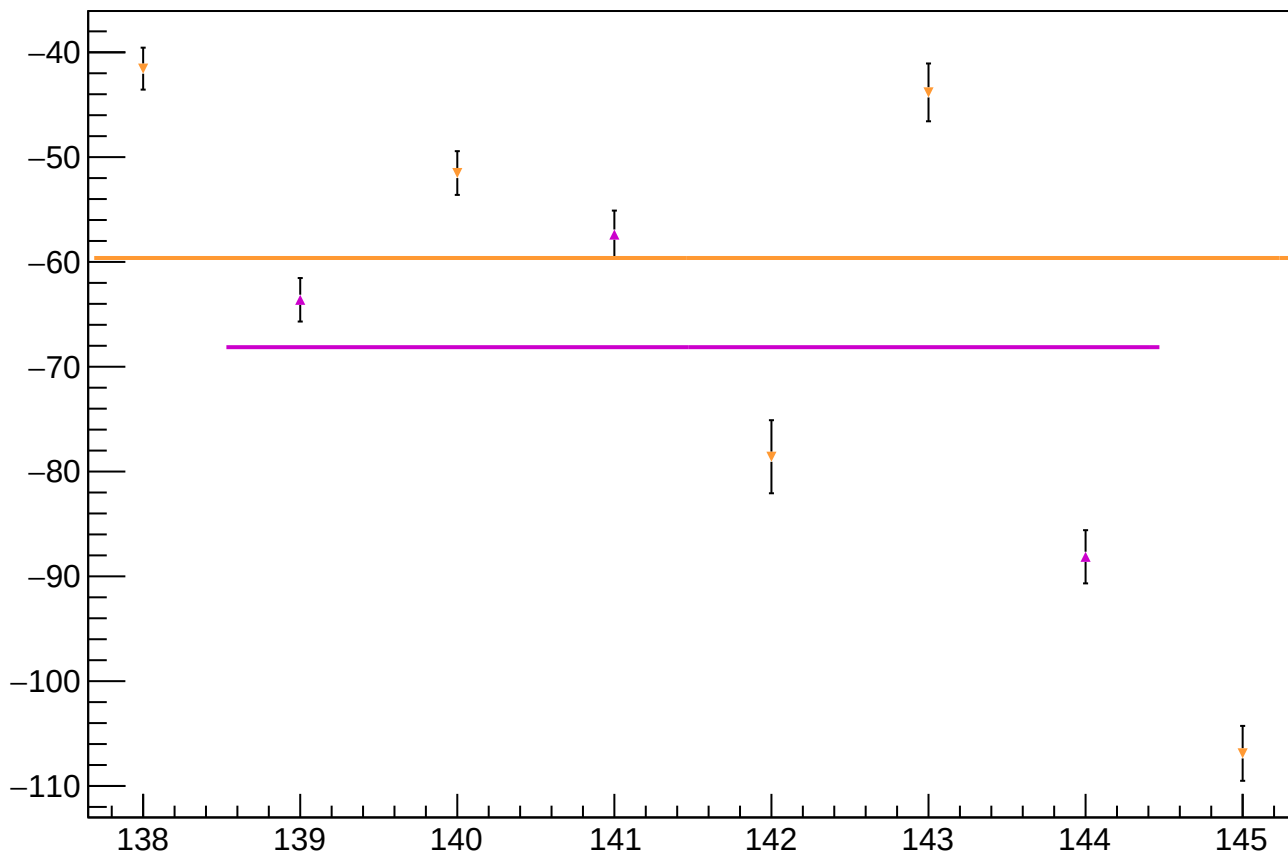
Right Out: 102.532+/-0.079 χ^2/NDF : 53003.2/19

Left In: 124.906+/-0.108 χ^2/NDF : 1116.7/2

116.720+/-0.062 χ^2/NDF : 94081.5/21

110.357+/-0.064 χ^2/NDF : 81830.7/22

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -59.624+/-1.092 χ^2/NDF : 484.7/4

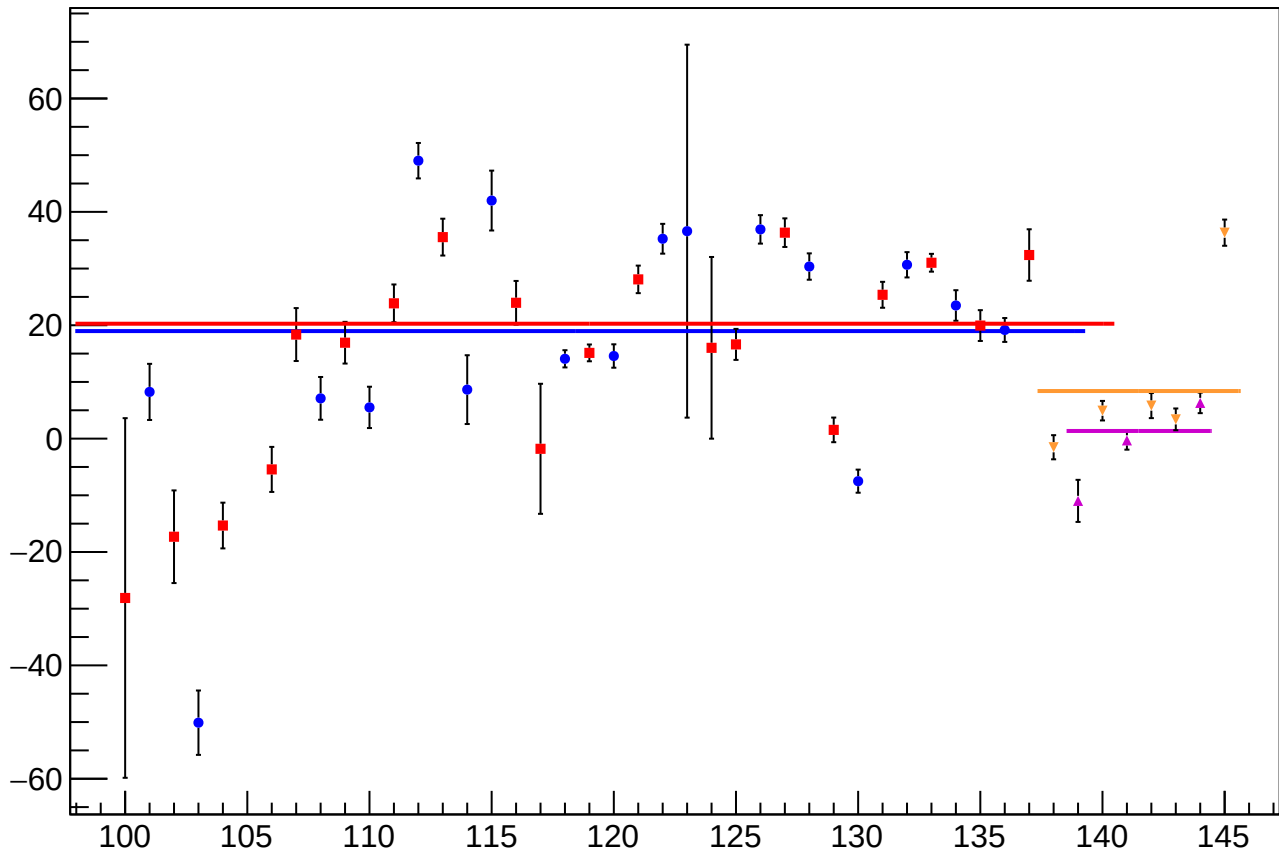
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -68.134+/-1.315 χ^2/NDF : 88.9/2

-59.624+/-1.092 χ^2/NDF : 484.7/4

-68.134+/-1.315 χ^2/NDF : 88.9/2

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 8.395 ± 0.905 χ^2/NDF : 180.0/4

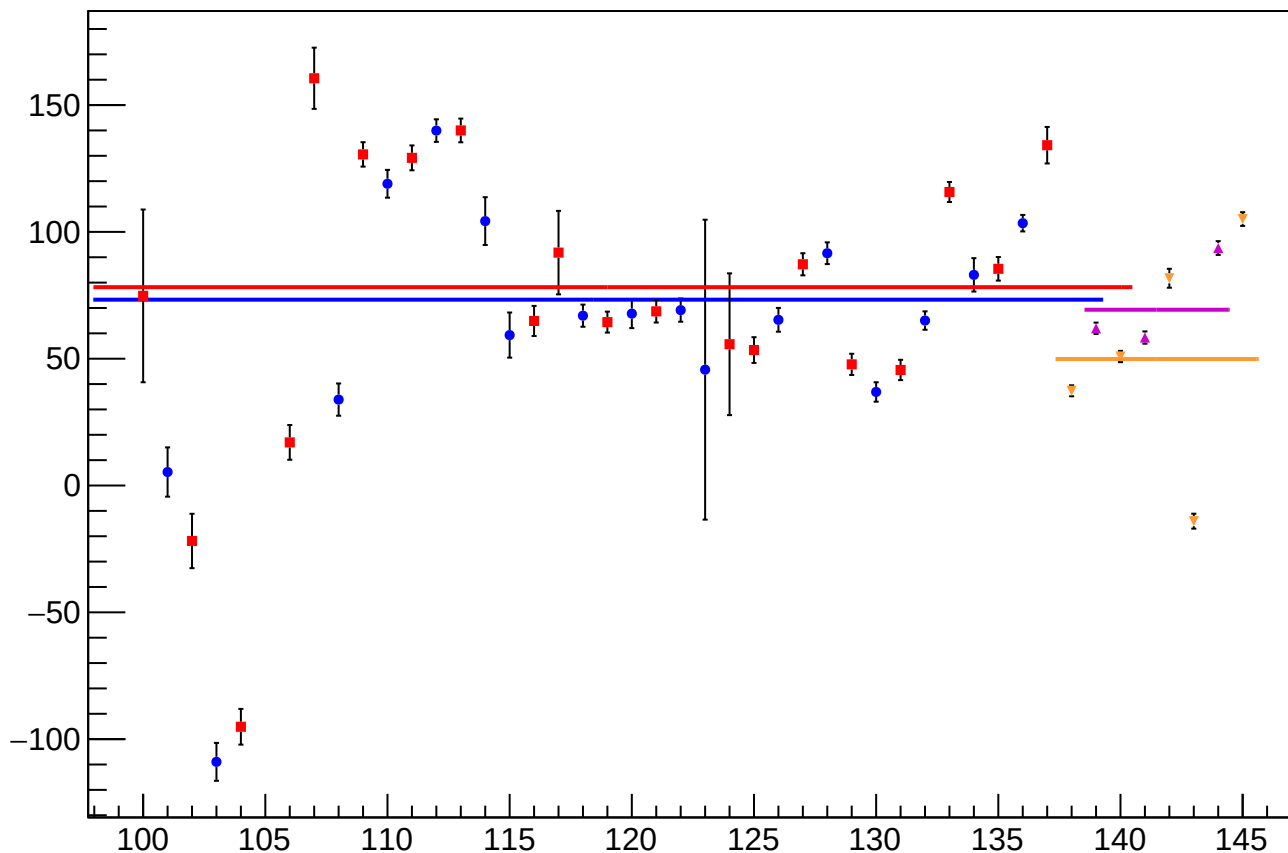
Right Out: 20.269 ± 0.641 χ^2/NDF : 370.1/19

Left In: 1.349 ± 1.154 χ^2/NDF : 19.6/2

15.351 ± 0.530 χ^2/NDF : 888.2/21

15.806 ± 0.560 χ^2/NDF : 595.0/22

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 49.882 $\pm$ 1.164 χ^2 /NDF:994.3/4

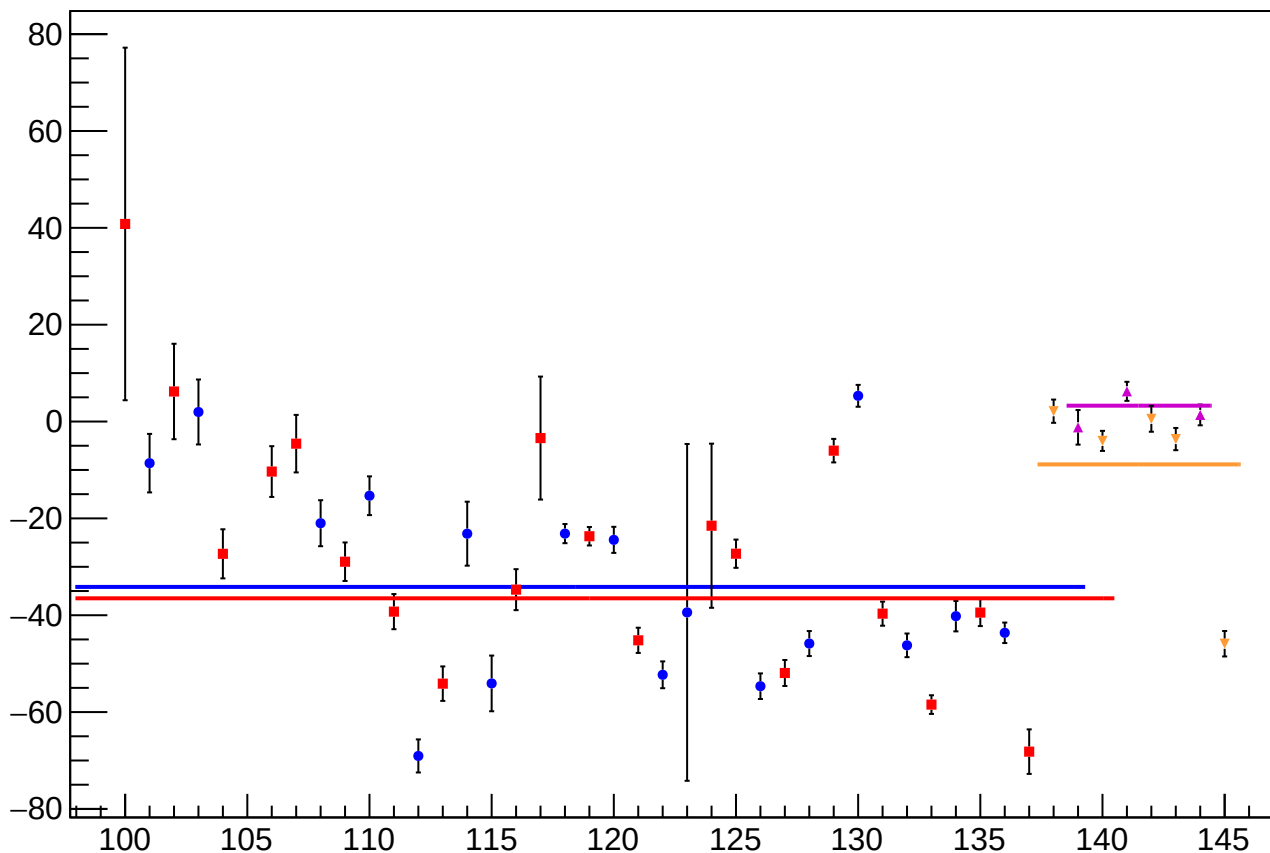
Right Out: 78.205 $\pm$ 1.219 χ^2 /NDF: 1544.0/19

Left In: 69.312 $\pm$ 1.411 χ^2 /NDF:111.3/2

60.870 $\pm$ 0.847 χ^2 /NDF: 2382.8/21

74.403 $\pm$ 0.922 χ^2 /NDF: 1678.1/22

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 $\chi^2/\text{NDF}: 717.5/16$

Left Out: -8.851 ± 1.065 $\chi^2/\text{NDF}: 242.1/4$

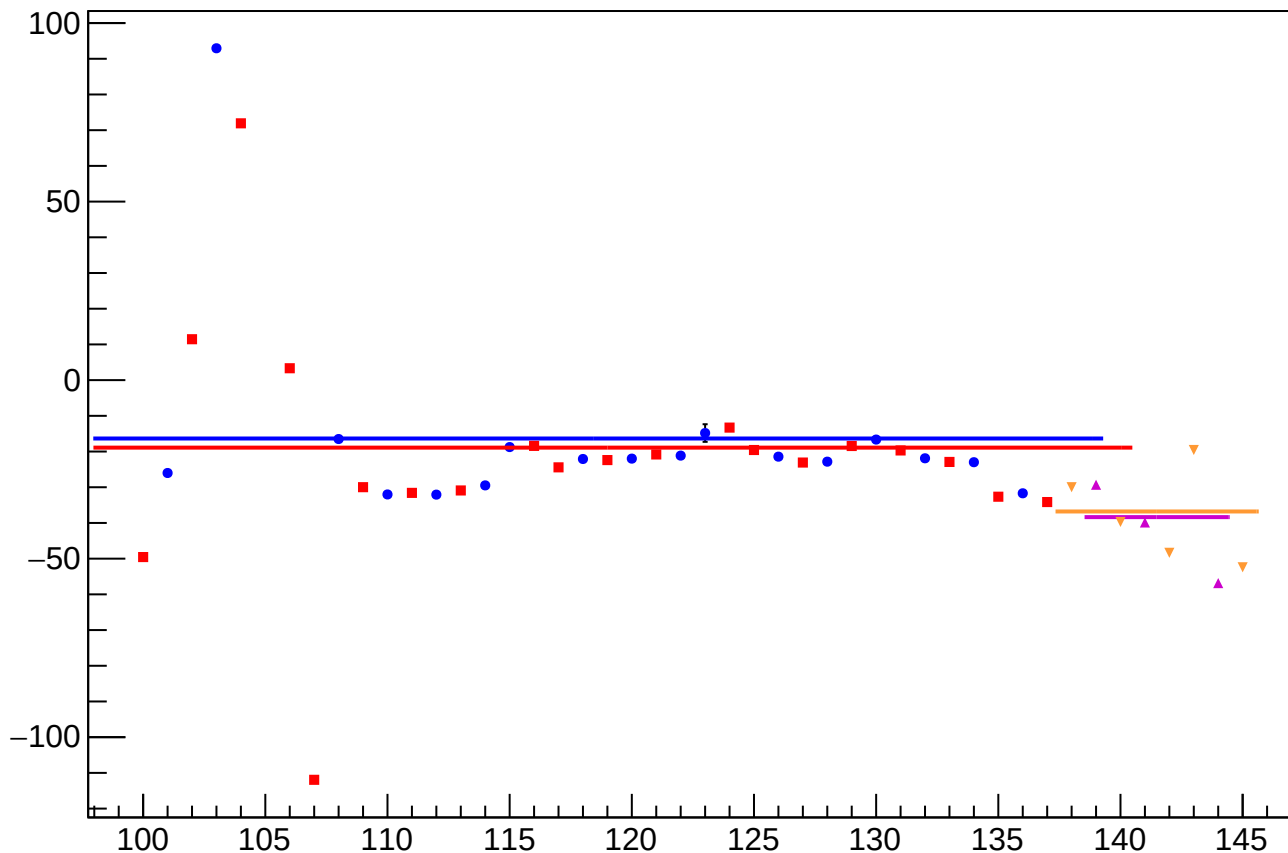
Right Out: -36.507 ± 0.735 $\chi^2/\text{NDF}: 553.8/19$

Left In: 3.276 ± 1.343 $\chi^2/\text{NDF}: 4.6/2$

-25.845 ± 0.610 $\chi^2/\text{NDF}: 1338.5/21$

-27.344 ± 0.644 $\chi^2/\text{NDF}: 1234.1/22$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -36.786 ± 0.047 $\chi^2/\text{NDF}: 56044.9/4$

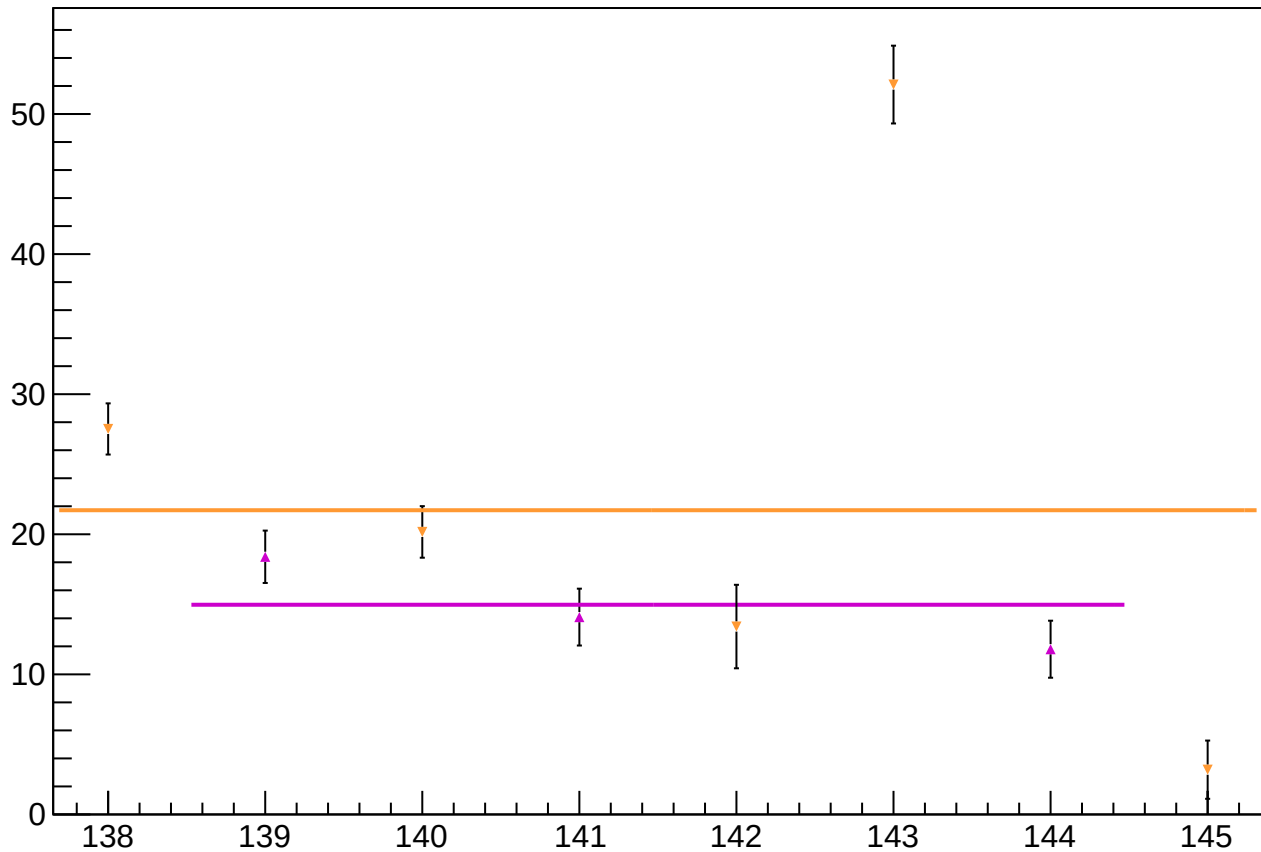
Right Out: -18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

Left In: -38.369 ± 0.055 $\chi^2/\text{NDF}: 37542.6/2$

-26.018 ± 0.032 $\chi^2/\text{NDF}: 629383.8/21$

-26.824 ± 0.035 $\chi^2/\text{NDF}: 546768.7/22$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 21.717+/-0.967 χ^2/NDF : 217.7/4

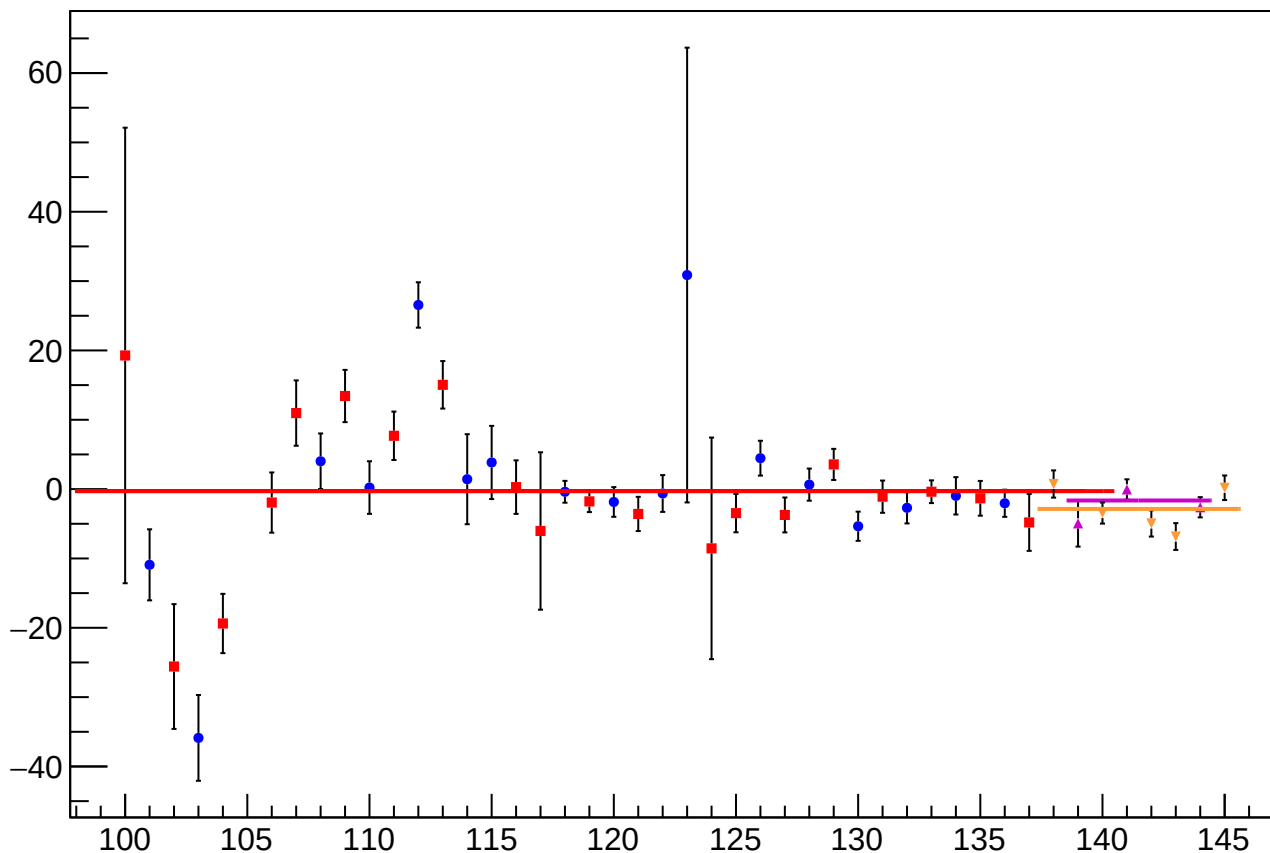
21.717+/-0.967 χ^2/NDF : 217.7/4

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

14.969+/-1.139 χ^2/NDF : 6.0/2

Left In: 14.969+/-1.139 χ^2/NDF : 6.0/2

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -2.856 ± 0.802 χ^2/NDF : 11.9/4

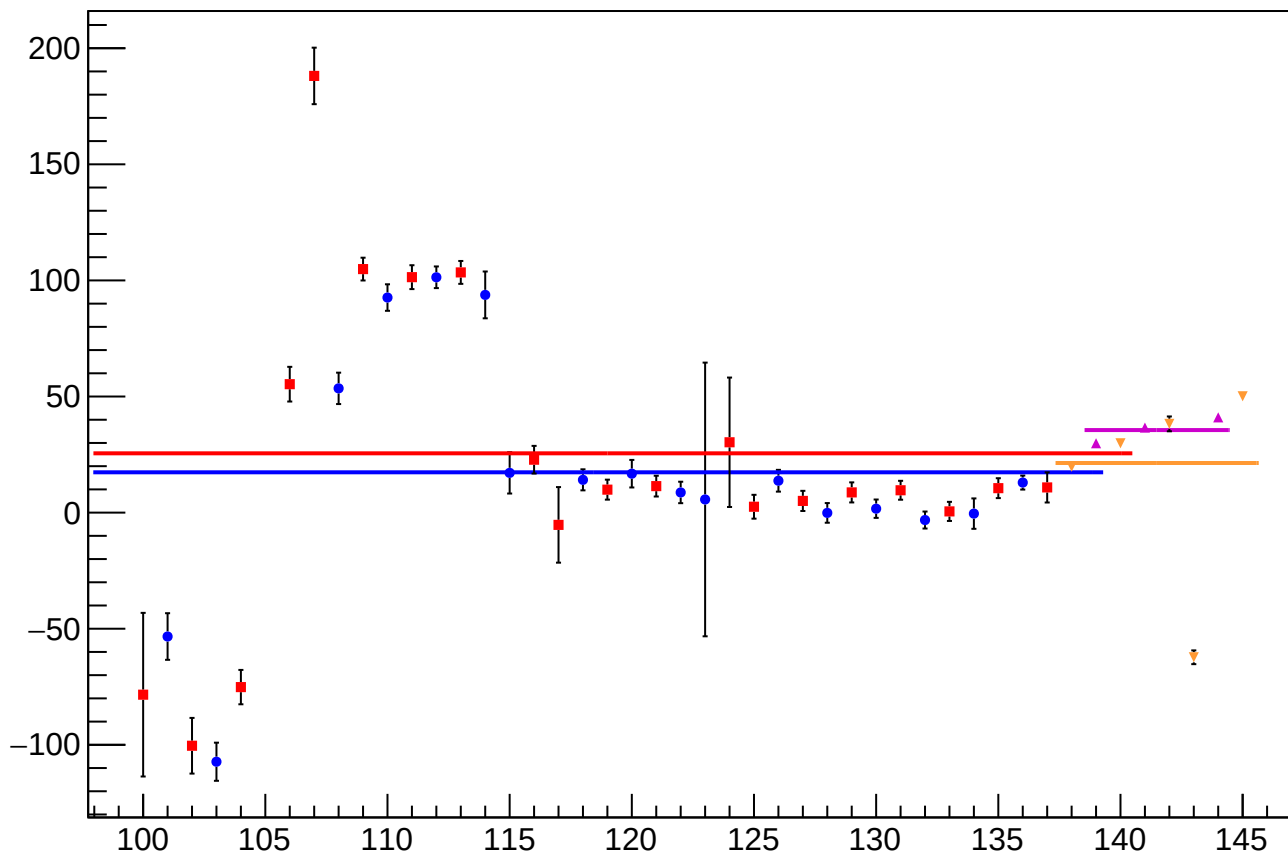
Right Out: -0.289 ± 0.655 χ^2/NDF : 83.4/19

Left In: -1.642 ± 0.985 χ^2/NDF : 2.6/2

-1.326 ± 0.511 χ^2/NDF : 137.6/21

-0.704 ± 0.545 χ^2/NDF : 87.4/22

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361 $\pm$ 1.247 χ^2 /NDF: 943.0/16

Left Out: 21.369 $\pm$ 1.033 χ^2 /NDF:1018.0/4

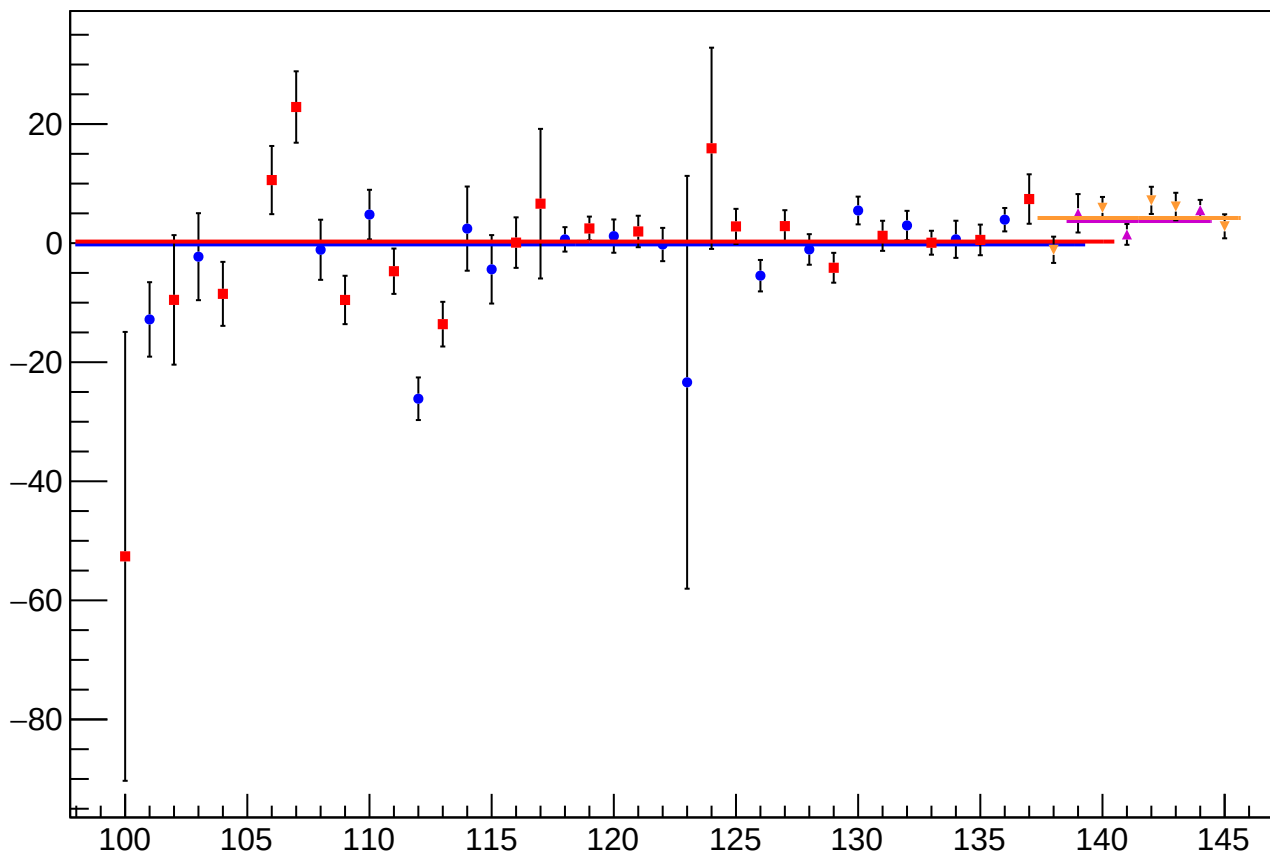
Right Out: 25.537 $\pm$ 1.239 χ^2 /NDF: 1382.4/19

Left In: 35.552 $\pm$ 1.222 χ^2 /NDF:14.4/2

19.739 $\pm$ 0.795 χ^2 /NDF: 1967.1/21

30.615 $\pm$ 0.870 χ^2 /NDF: 1430.0/22

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 4.223 ± 0.941 χ^2/NDF : 9.6/4

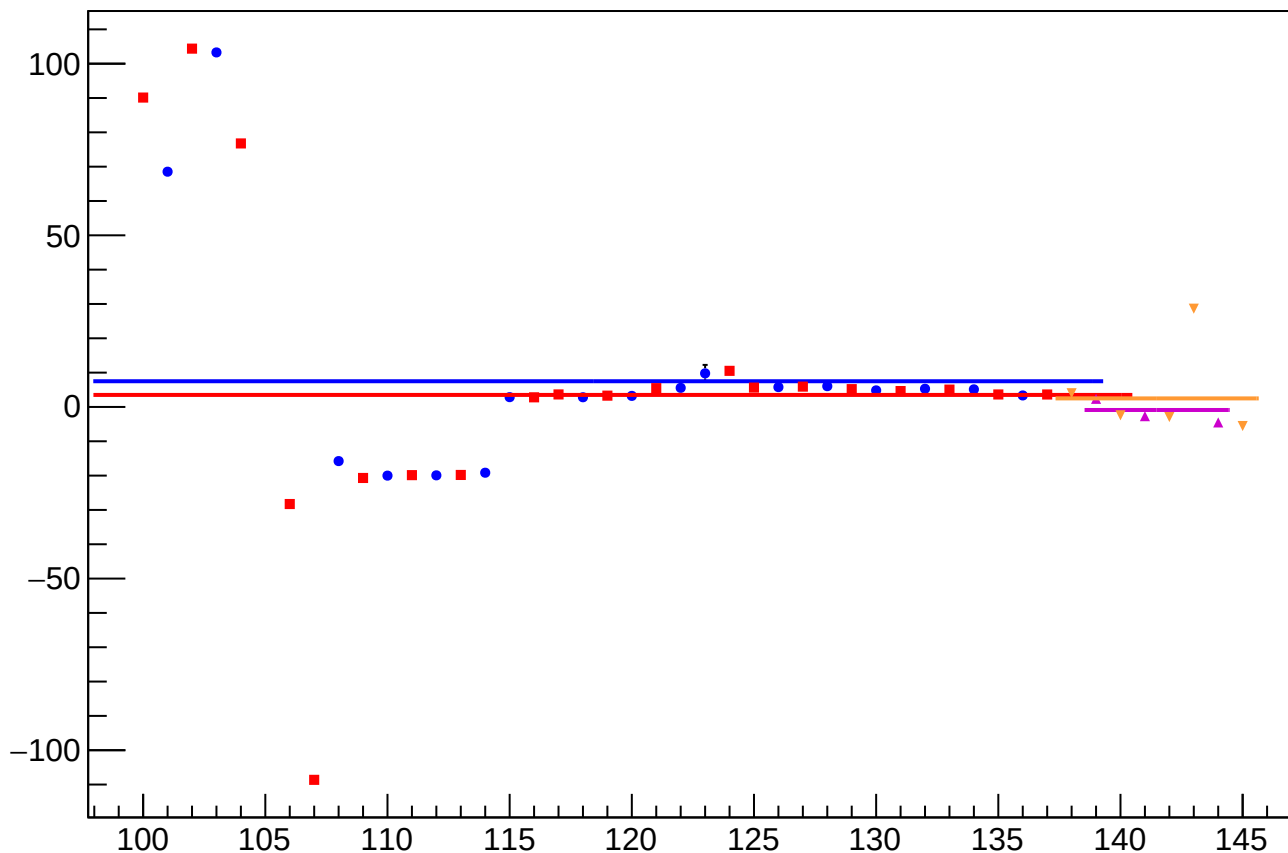
Right Out: 0.262 ± 0.747 χ^2/NDF : 54.8/19

Left In: 3.715 ± 1.147 χ^2/NDF : 2.9/2

1.516 ± 0.587 χ^2/NDF : 99.0/21

1.291 ± 0.626 χ^2/NDF : 64.1/22

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492+/-0.045 χ^2/NDF : 355979.0/16

Left Out: 2.489+/-0.042 χ^2/NDF : 62918.8/4

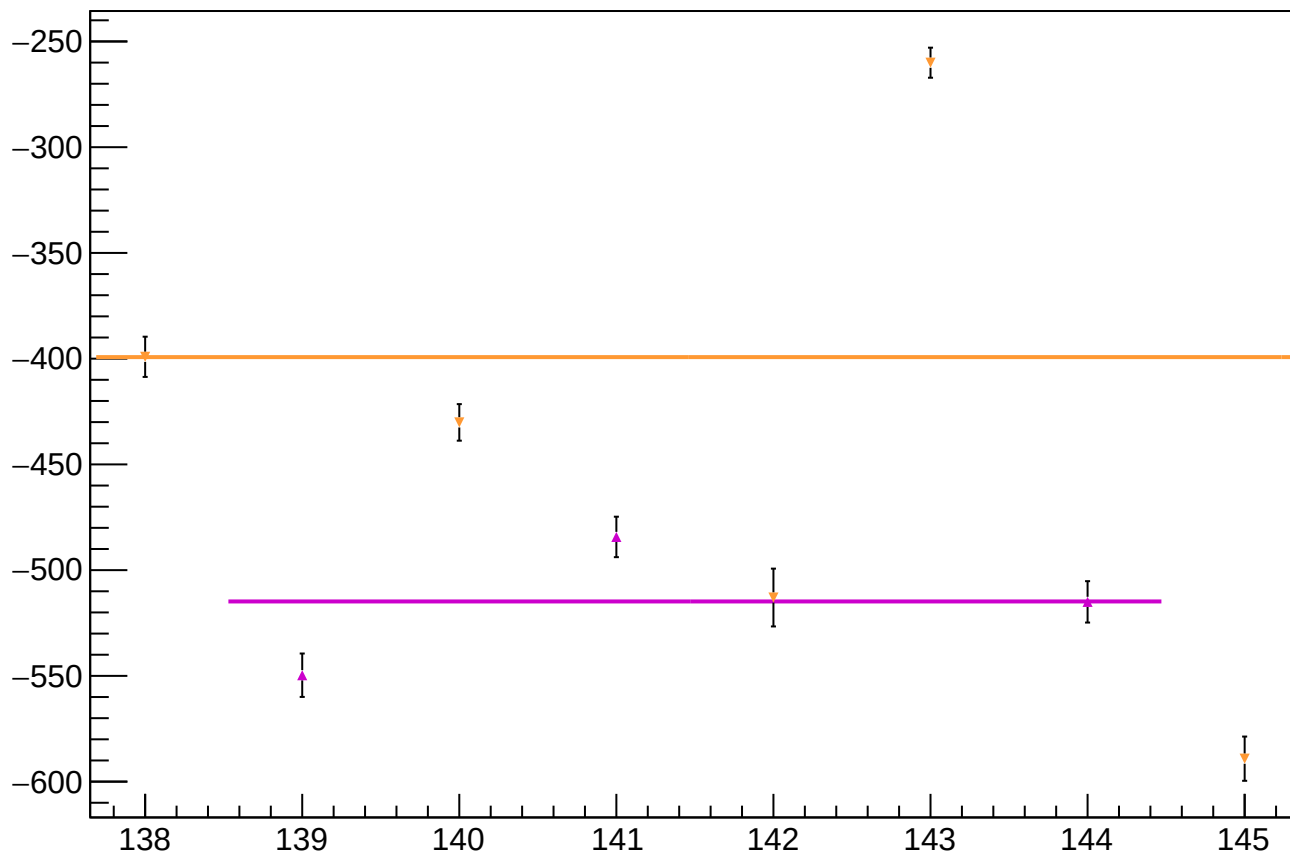
Right Out: 3.504+/-0.046 χ^2/NDF : 510579.5/19

Left In: -0.884+/-0.048 χ^2/NDF : 3965.9/2

4.819+/-0.030 χ^2/NDF : 425610.2/21

1.410+/-0.033 χ^2/NDF : 518975.8/22

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -399.268+/-4.127 χ^2/NDF : 795.2/4

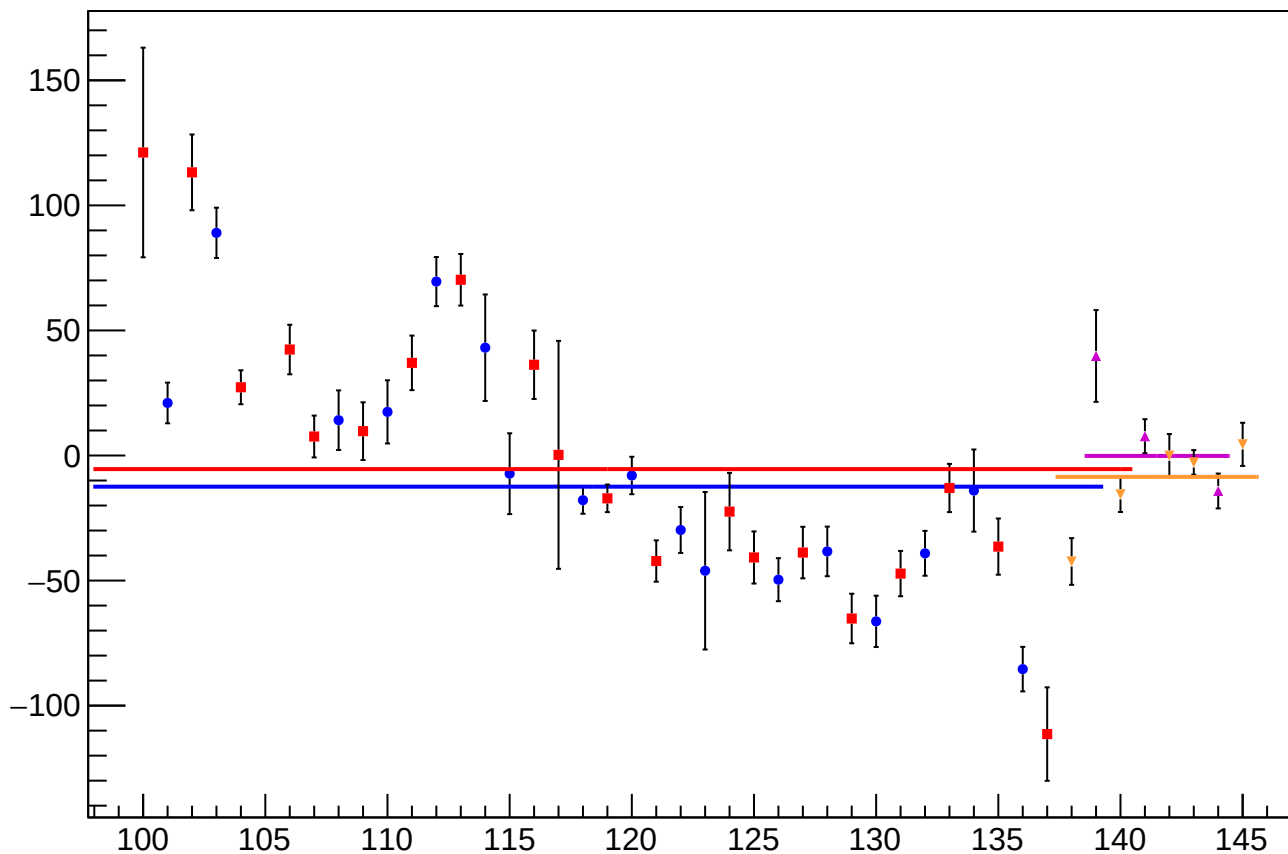
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -514.806+/-5.693 χ^2/NDF : 21.7/2

-399.268+/-4.127 χ^2/NDF : 795.2/4

-514.806+/-5.693 χ^2/NDF : 21.7/2

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: -8.539 ± 3.167 χ^2/NDF : 18.7/4

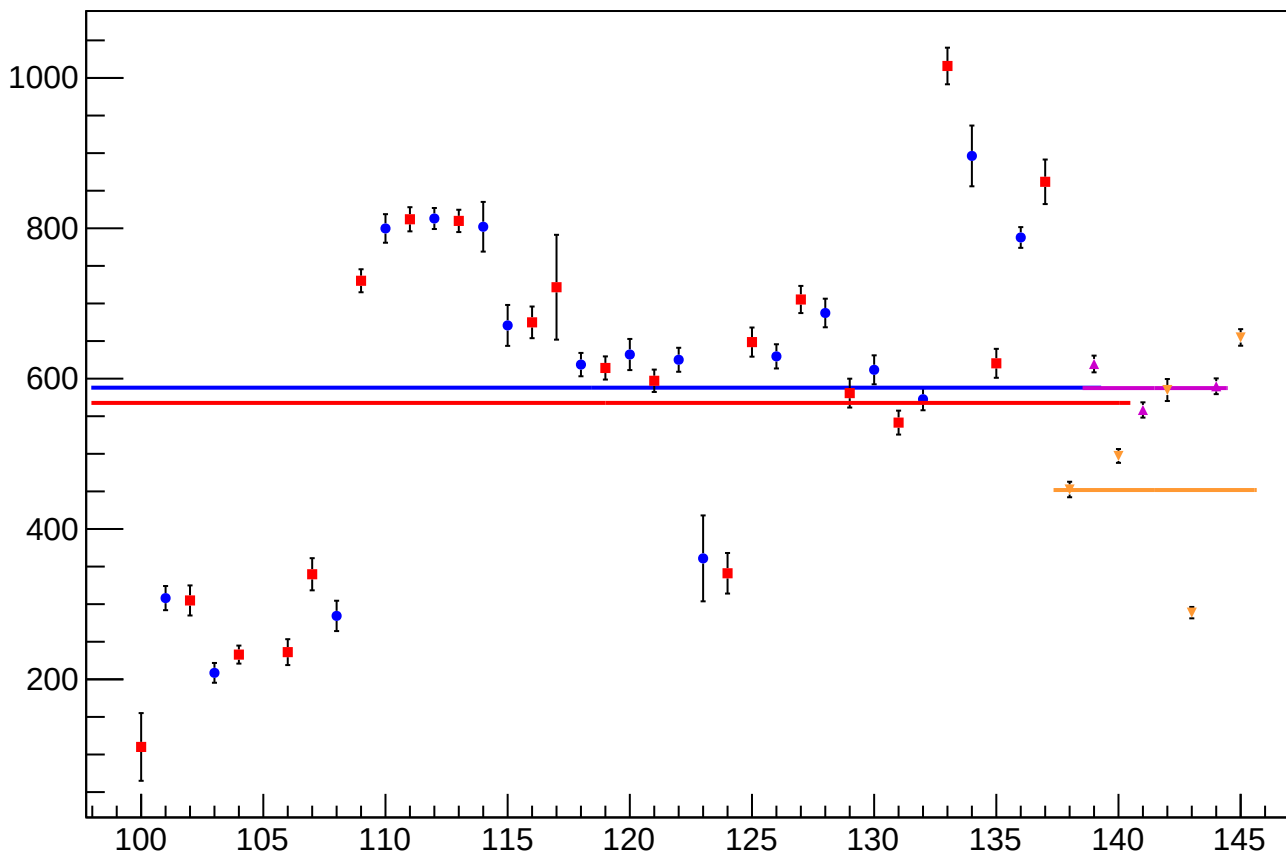
Right Out: -5.439 ± 2.256 χ^2/NDF : 345.0/19

Left In: -0.171 ± 4.709 χ^2/NDF : 10.1/2

-11.067 ± 1.886 χ^2/NDF : 360.8/21

-4.456 ± 2.034 χ^2/NDF : 356.1/22

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 ± 4.353 χ^2/NDF : 2129.6/16

Left Out: 451.824 ± 4.407 χ^2/NDF : 908.4/4

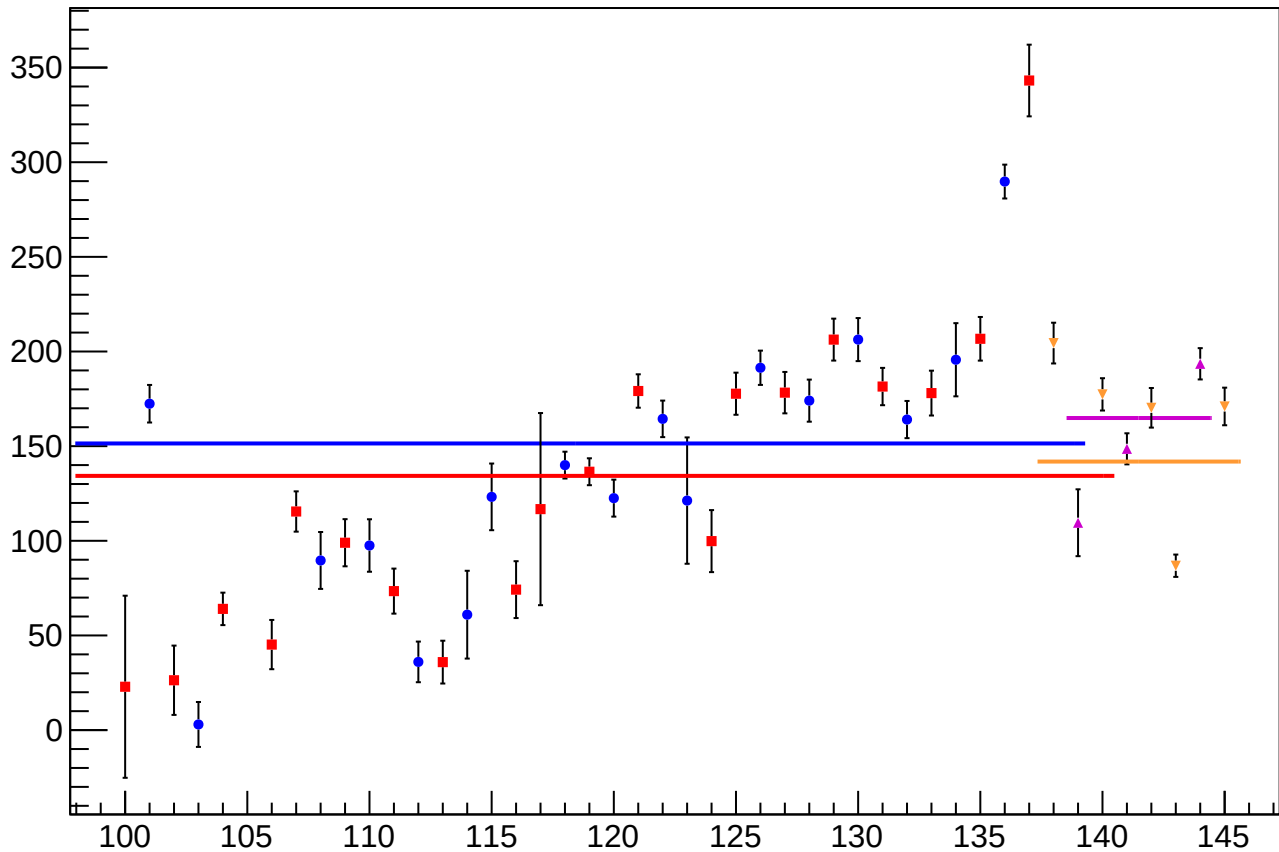
Right Out: 567.720 ± 4.129 χ^2/NDF : 2788.1/19

Left In: 587.436 ± 6.101 χ^2/NDF : 16.6/2

520.750 ± 3.097 χ^2/NDF : 3521.3/21

573.913 ± 3.419 χ^2/NDF : 2811.8/22

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421+/-2.709 χ^2/NDF : 633.3/16

Left Out: 141.858+/-3.770 χ^2/NDF : 154.1/4

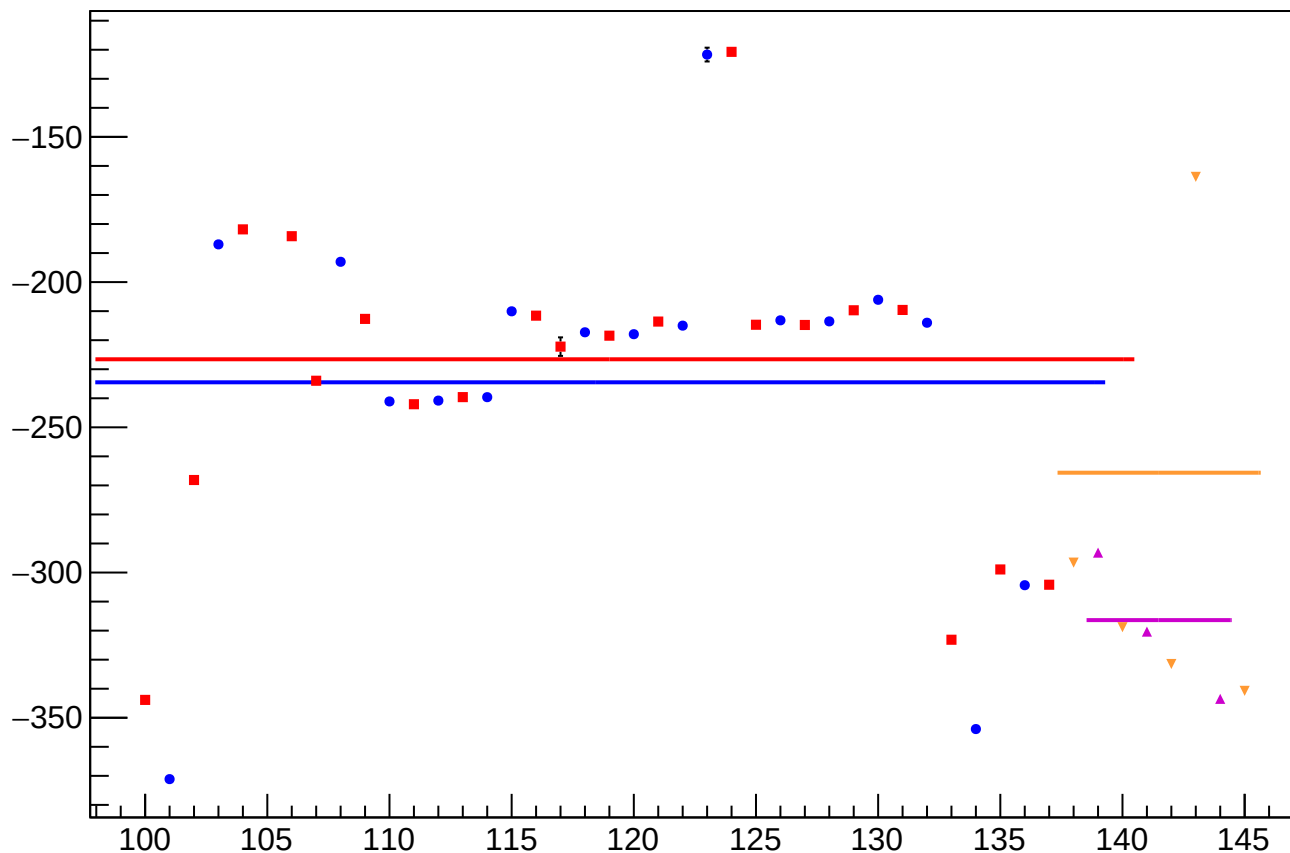
Right Out: 134.299+/-2.612 χ^2/NDF : 585.0/19

Left In: 164.865+/-5.532 χ^2/NDF : 25.7/2

148.164+/-2.200 χ^2/NDF : 791.6/21

139.871+/-2.362 χ^2/NDF : 635.7/22

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -265.625+/-0.179 χ^2/NDF :177440.5/4

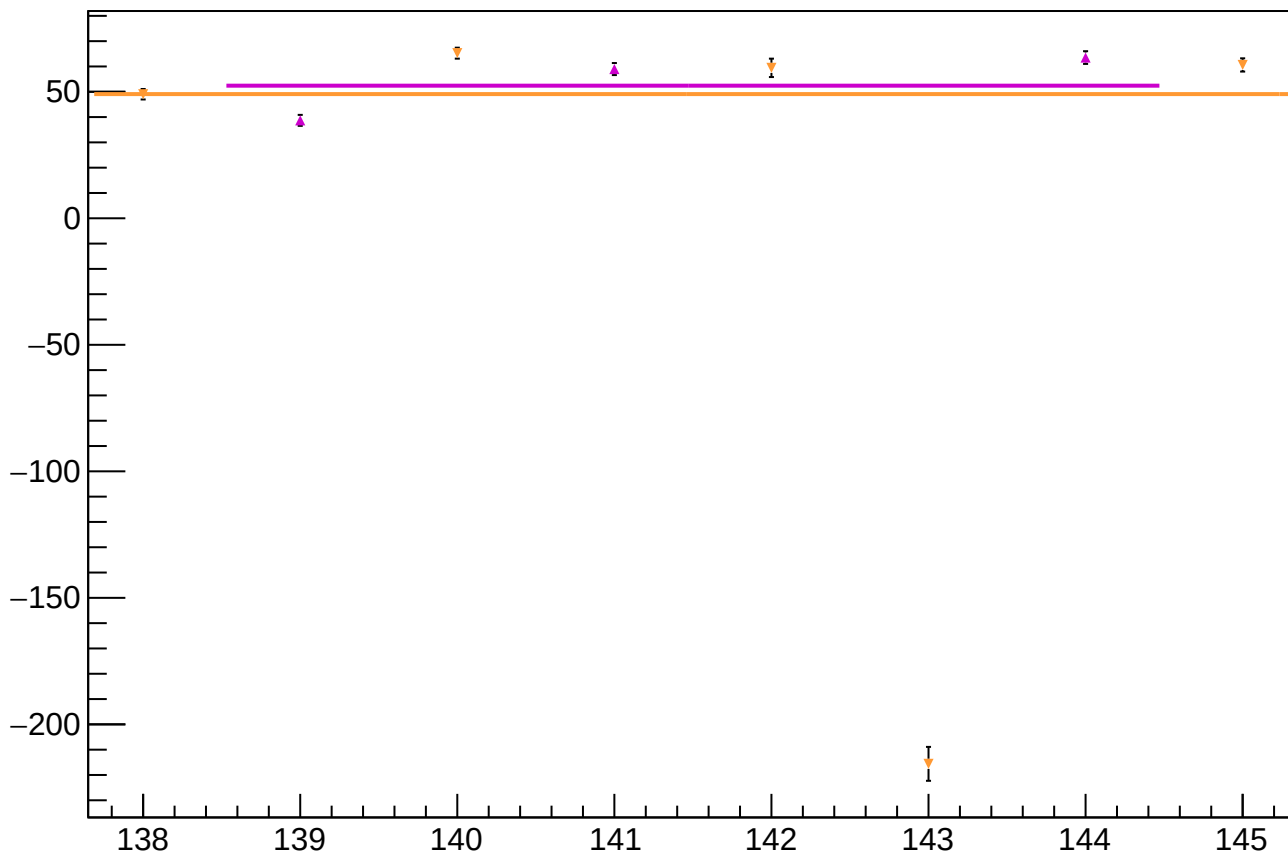
Right Out: -226.572+/-0.141 χ^2/NDF : 98970.7/19

Left In: -316.379+/-0.241 χ^2/NDF :7145.8/2

-247.208+/-0.115 χ^2/NDF : 340294.5/21

-249.537+/-0.122 χ^2/NDF : 209457.6/22

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 49.081+/-1.204 χ^2/NDF : 1643.6/4

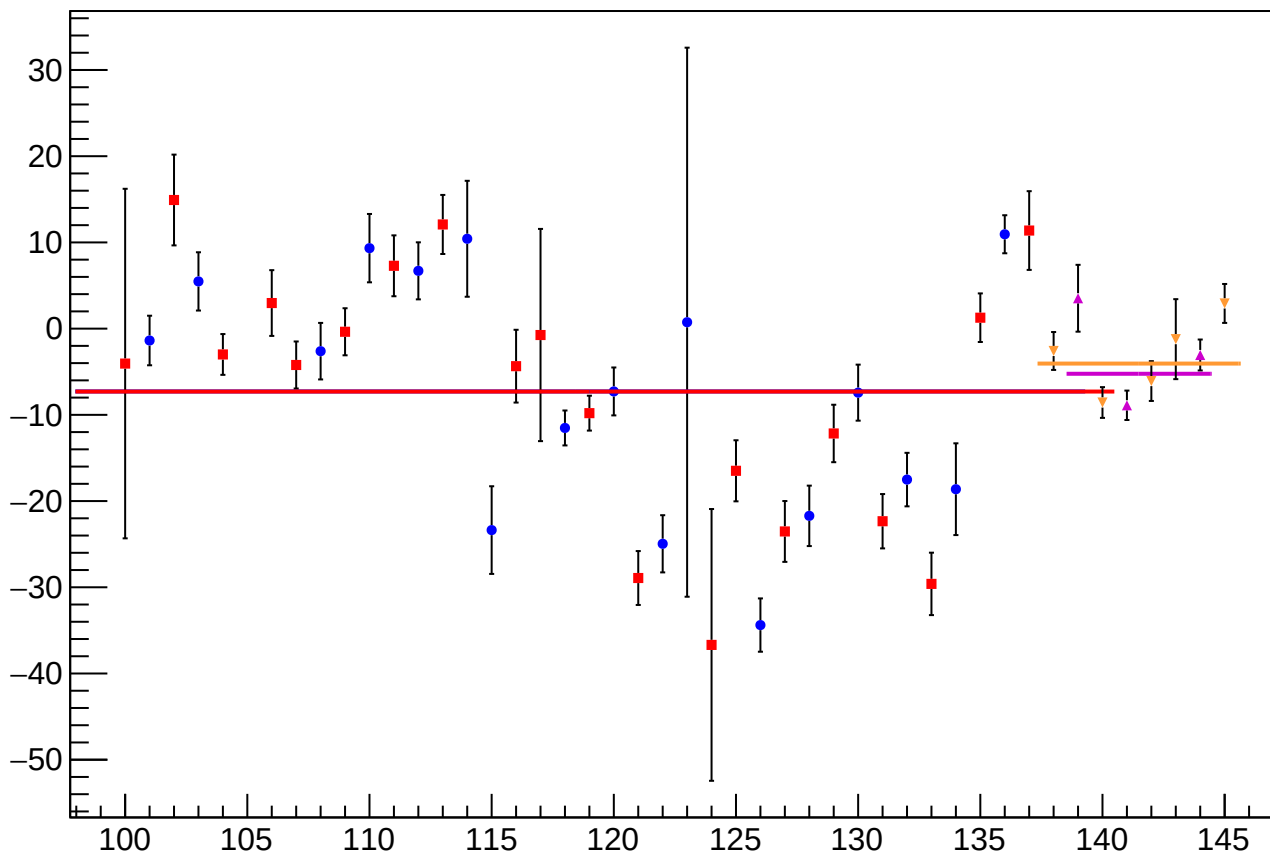
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 52.409+/-1.351 χ^2/NDF : 67.1/2

49.081+/-1.204 χ^2/NDF : 1643.6/4

52.409+/-1.351 χ^2/NDF : 67.1/2

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -4.053 ± 1.025 χ^2/NDF : 17.5/4

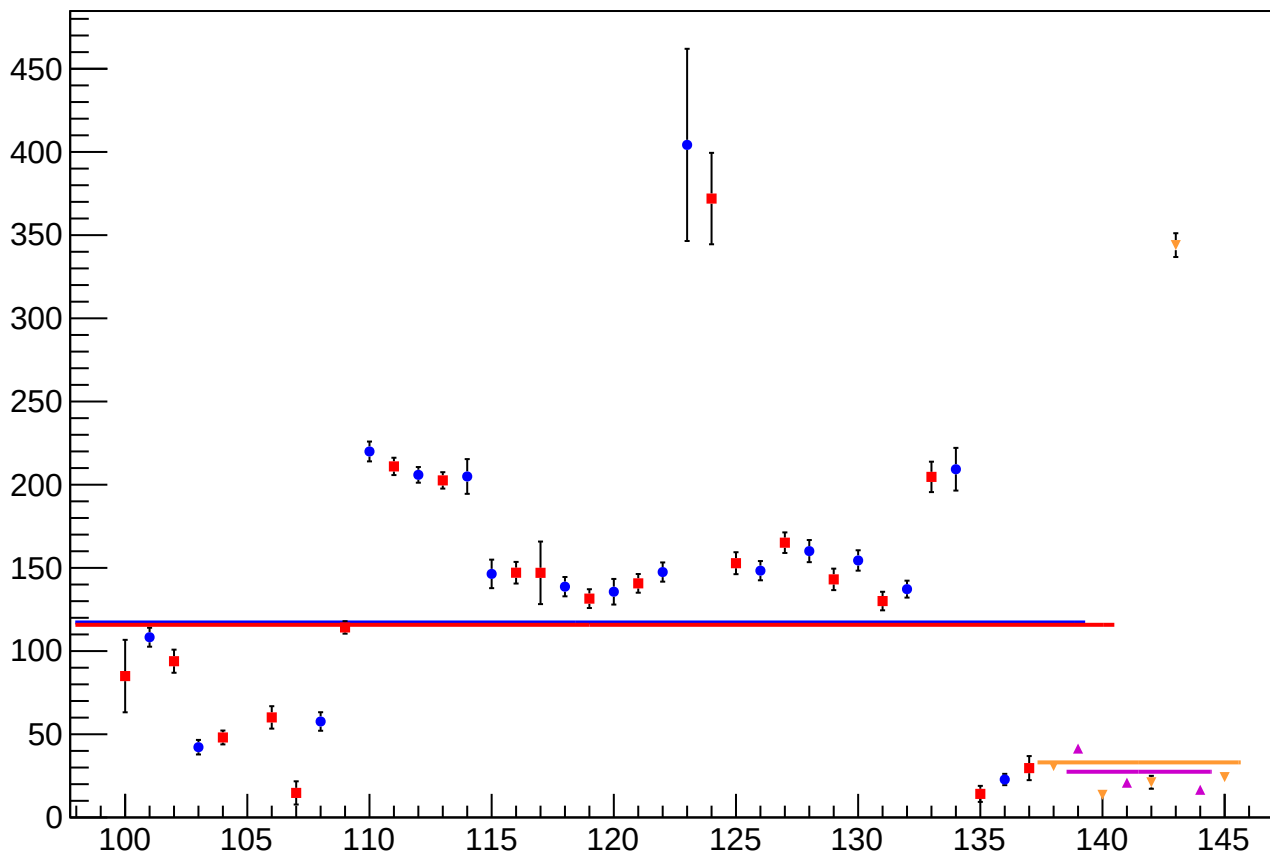
Right Out: -7.298 ± 0.759 χ^2/NDF : 255.6/19

Left In: -5.236 ± 1.178 χ^2/NDF : 11.2/2

-6.082 ± 0.625 χ^2/NDF : 307.0/21

-6.693 ± 0.638 χ^2/NDF : 268.9/22

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187+/-1.416 χ^2/NDF : 2161.0/16

Left Out: 33.094+/-1.284 χ^2/NDF :1982.3/4

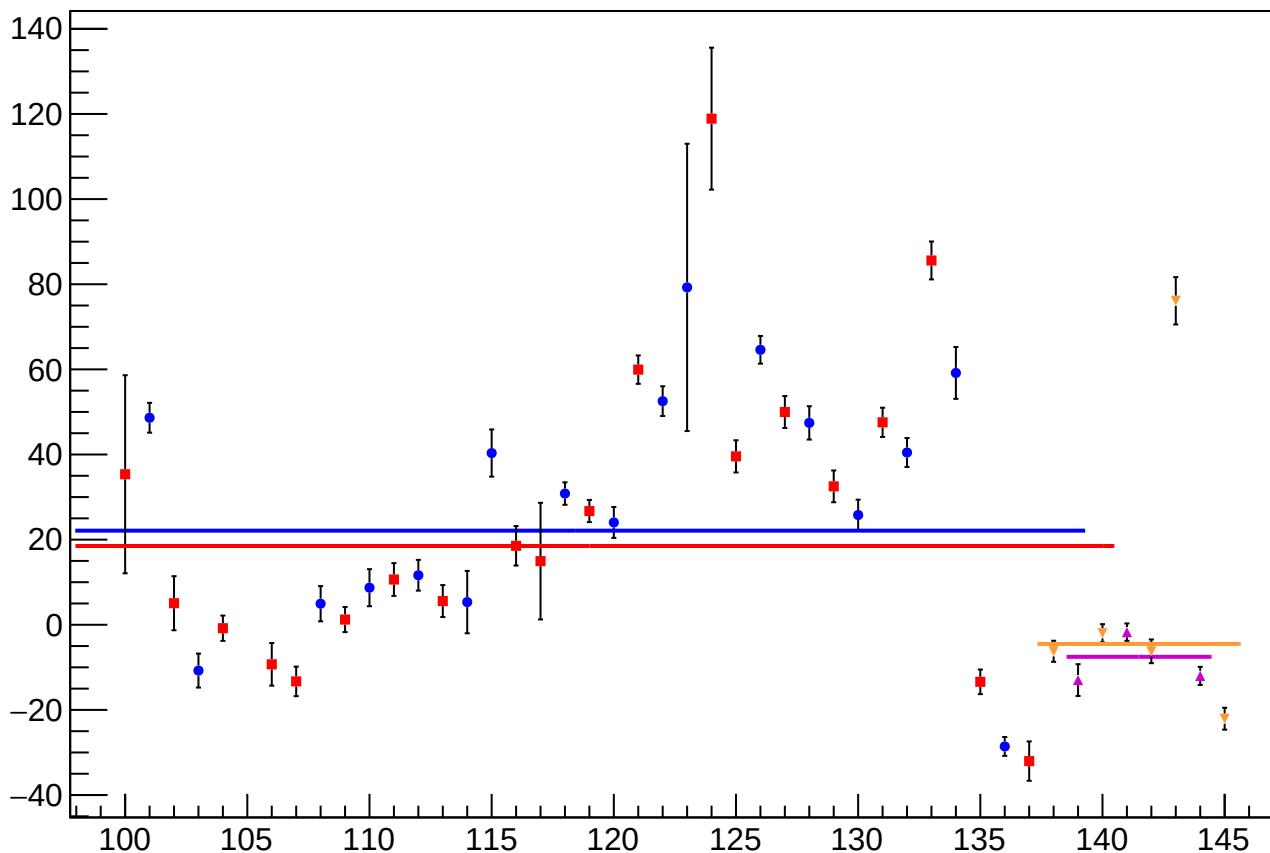
Right Out: 115.795+/-1.357 χ^2/NDF : 2140.4/19

Left In: 27.472+/-1.450 χ^2/NDF :58.1/2

71.039+/-0.951 χ^2/NDF : 6077.8/21

74.543+/-0.991 χ^2/NDF : 4175.8/22

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -4.509 $\pm$ 1.202 χ^2 /NDF: 258.8/4

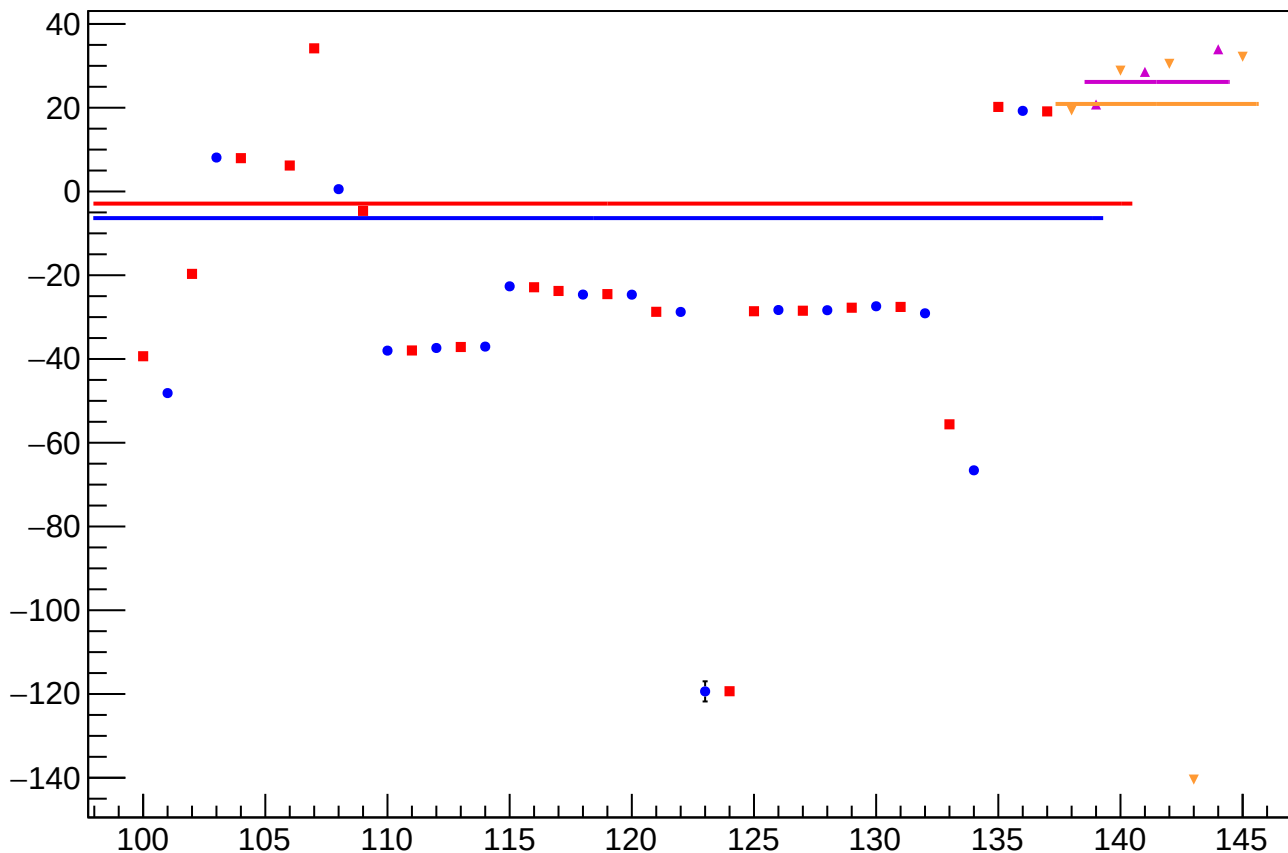
Right Out: 18.506 $\pm$ 0.869 χ^2 /NDF: 1068.6/19

Left In: -7.531 $\pm$ 1.371 χ^2 /NDF: 14.6/2

12.572 $\pm$ 0.719 χ^2 /NDF: 1643.8/21

11.038 $\pm$ 0.734 χ^2 /NDF: 1340.5/22

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 20.903 ± 0.052 $\chi^2/\text{NDF}: 337664.8/4$

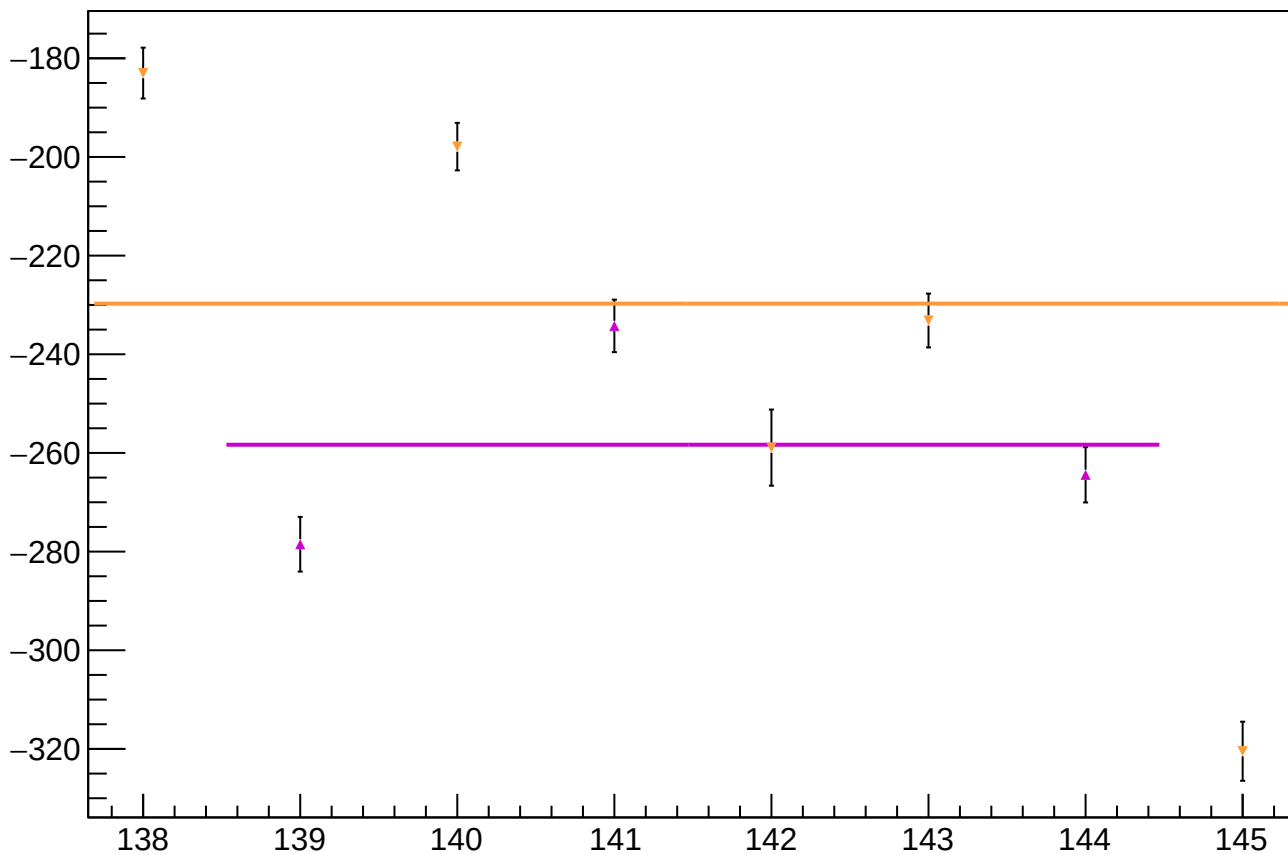
Right Out: -2.896 ± 0.046 $\chi^2/\text{NDF}: 266162.6/19$

Left In: 26.158 ± 0.056 $\chi^2/\text{NDF}: 9232.5/2$

5.707 ± 0.035 $\chi^2/\text{NDF}: 755794.9/21$

8.656 ± 0.035 $\chi^2/\text{NDF}: 436243.9/22$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -229.732+/-2.508 χ^2/NDF : 370.1/4

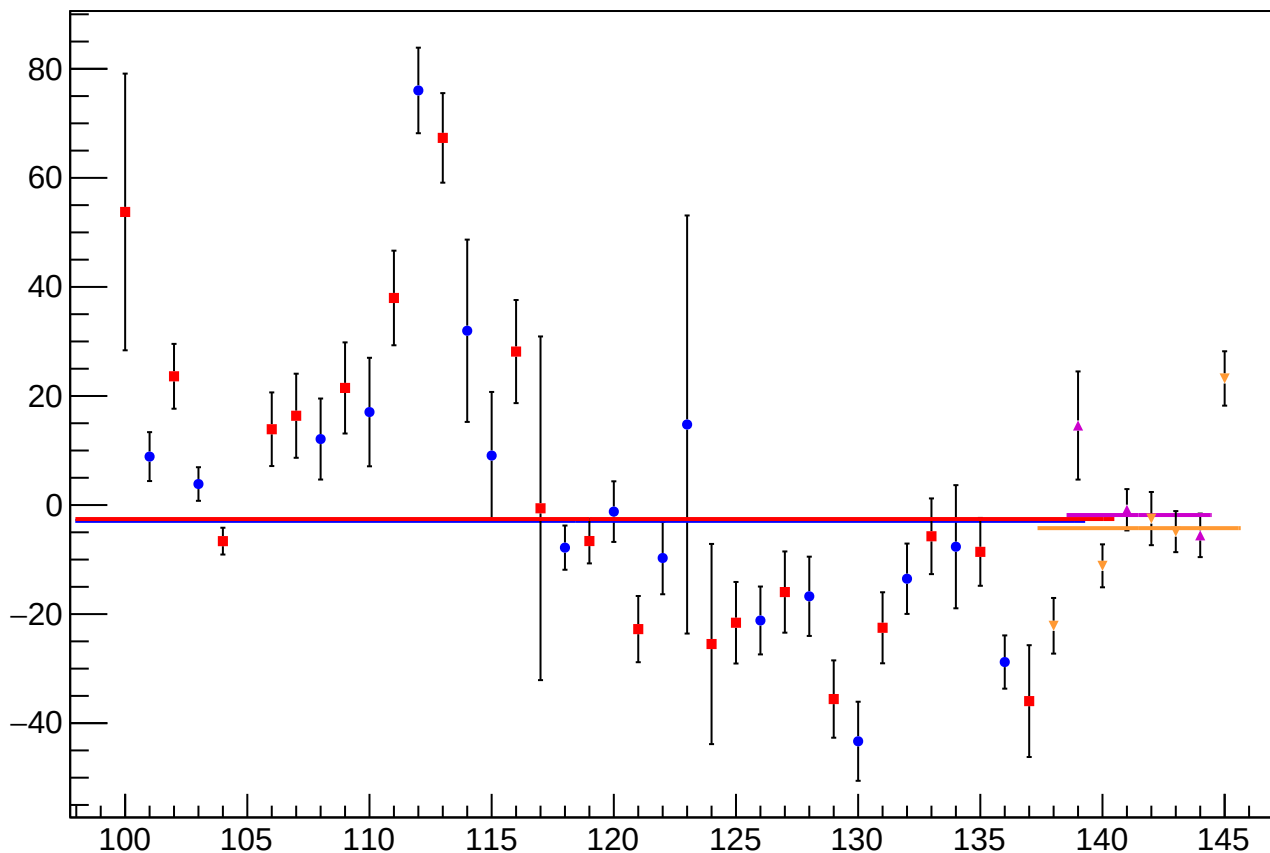
-229.732+/-2.508 χ^2/NDF : 370.1/4

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

-258.336+/-3.168 χ^2/NDF : 34.9/2

Left In: -258.336+/-3.168 χ^2/NDF : 34.9/2

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: -4.237 ± 1.978 χ^2/NDF : 45.8/4

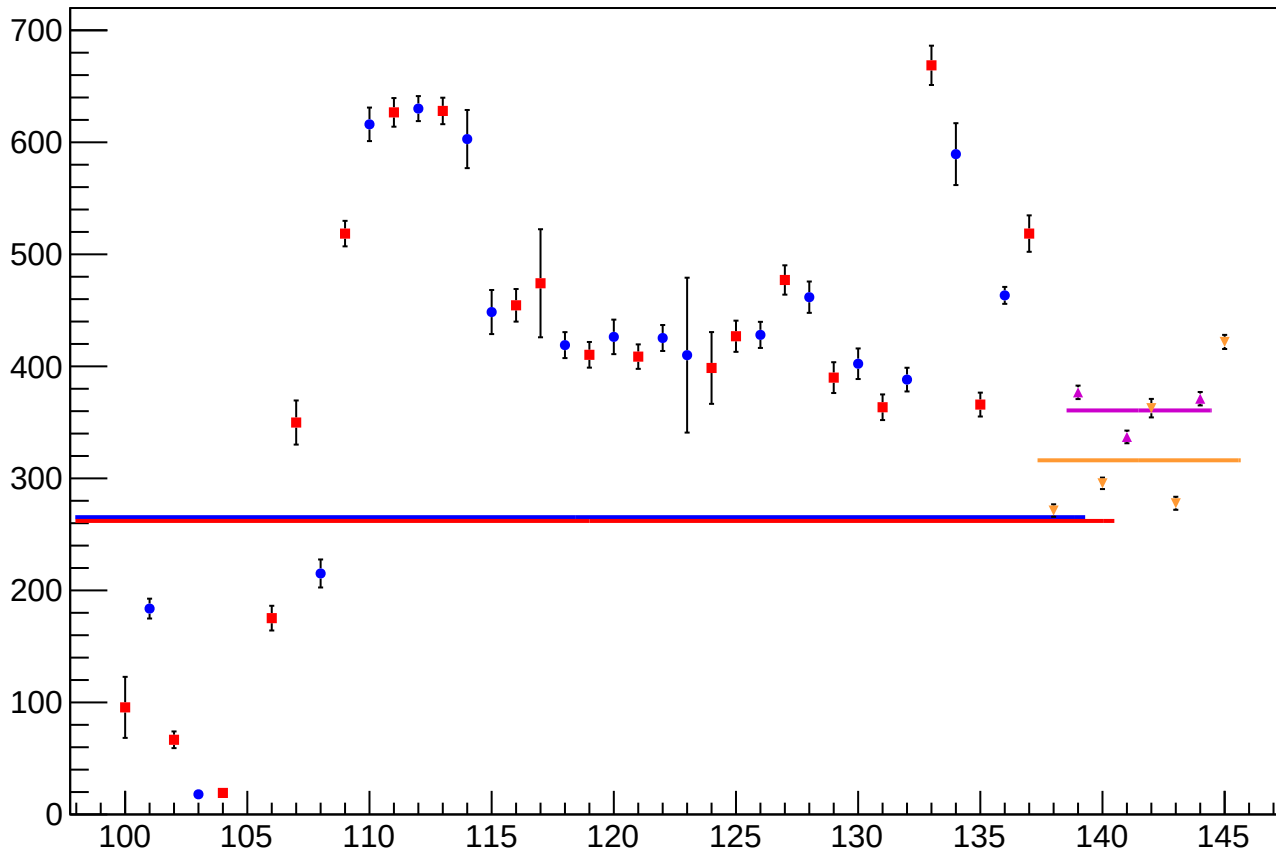
Right Out: -2.566 ± 1.395 χ^2/NDF : 218.2/19

Left In: -1.831 ± 2.649 χ^2/NDF : 3.7/2

-3.375 ± 1.178 χ^2/NDF : 249.7/21

-2.407 ± 1.234 χ^2/NDF : 221.9/22

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 316.135 $\pm$ 2.677 χ^2 /NDF:437.7/4

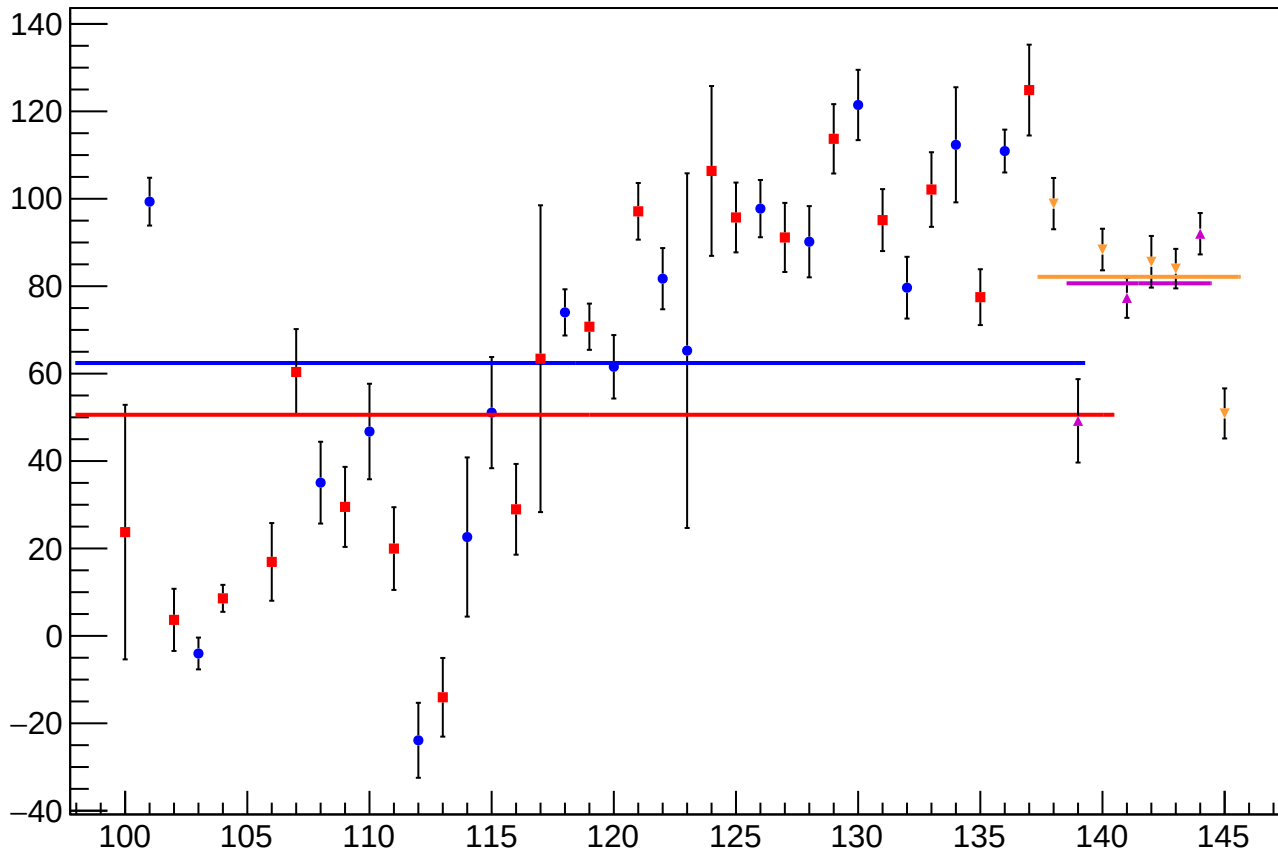
Right Out: 262.016 $\pm$ 2.455 χ^2 /NDF: 8223.7/19

Left In: 360.656 $\pm$ 3.396 χ^2 /NDF:27.7/2

288.893 $\pm$ 1.823 χ^2 /NDF: 8264.4/21

295.873 $\pm$ 1.989 χ^2 /NDF: 8805.7/22

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 82.152 $\pm$ 2.349 χ^2 /NDF: 40.1/4

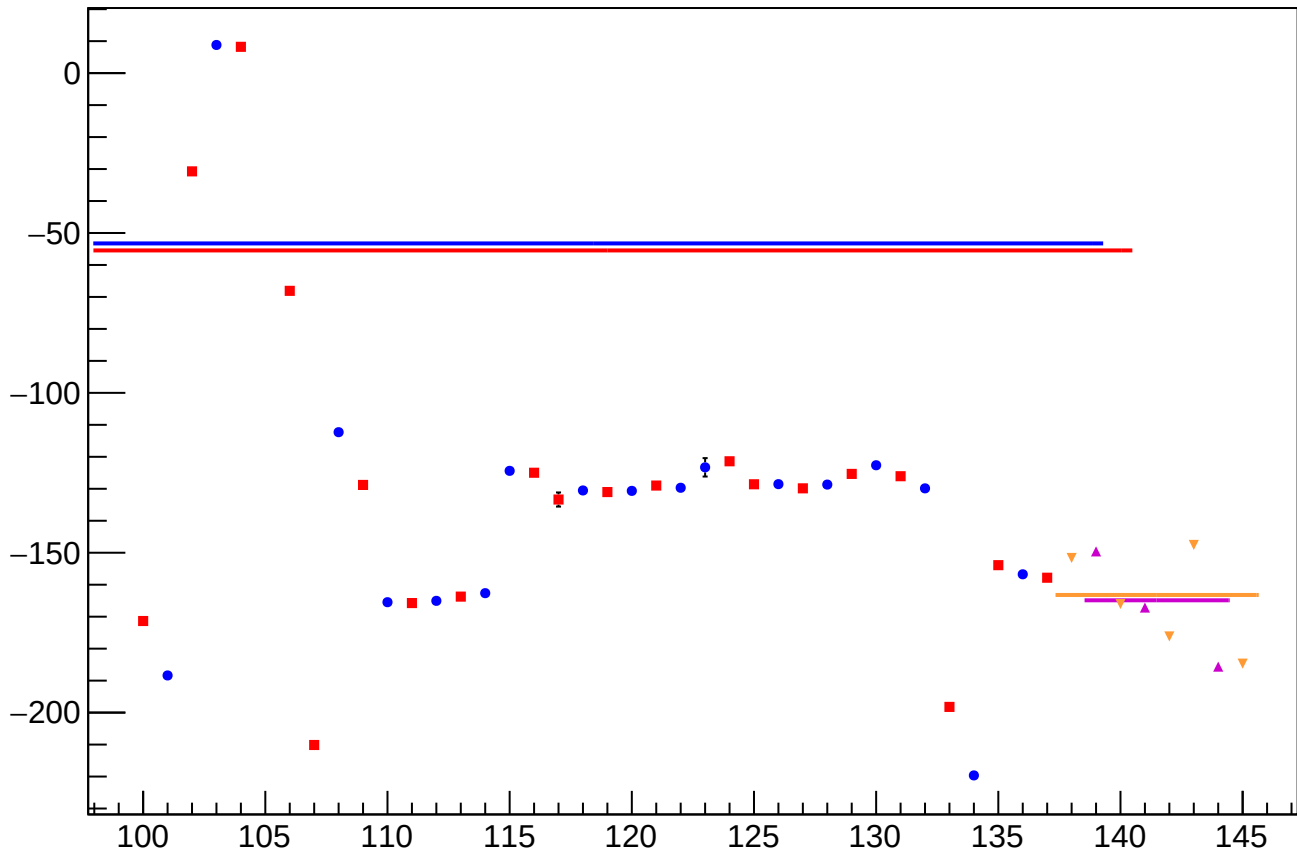
Right Out: 50.588 $\pm$ 1.640 χ^2 /NDF: 657.5/19

Left In: 80.666 $\pm$ 3.108 χ^2 /NDF: 17.1/2

69.179 $\pm$ 1.374 χ^2 /NDF: 808.2/21

57.140 $\pm$ 1.451 χ^2 /NDF: 747.9/22

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 ± 0.070 $\chi^2/\text{NDF}: 1225492.9/16$

Left Out: -163.209 ± 0.109 $\chi^2/\text{NDF}: 16360.6/4$

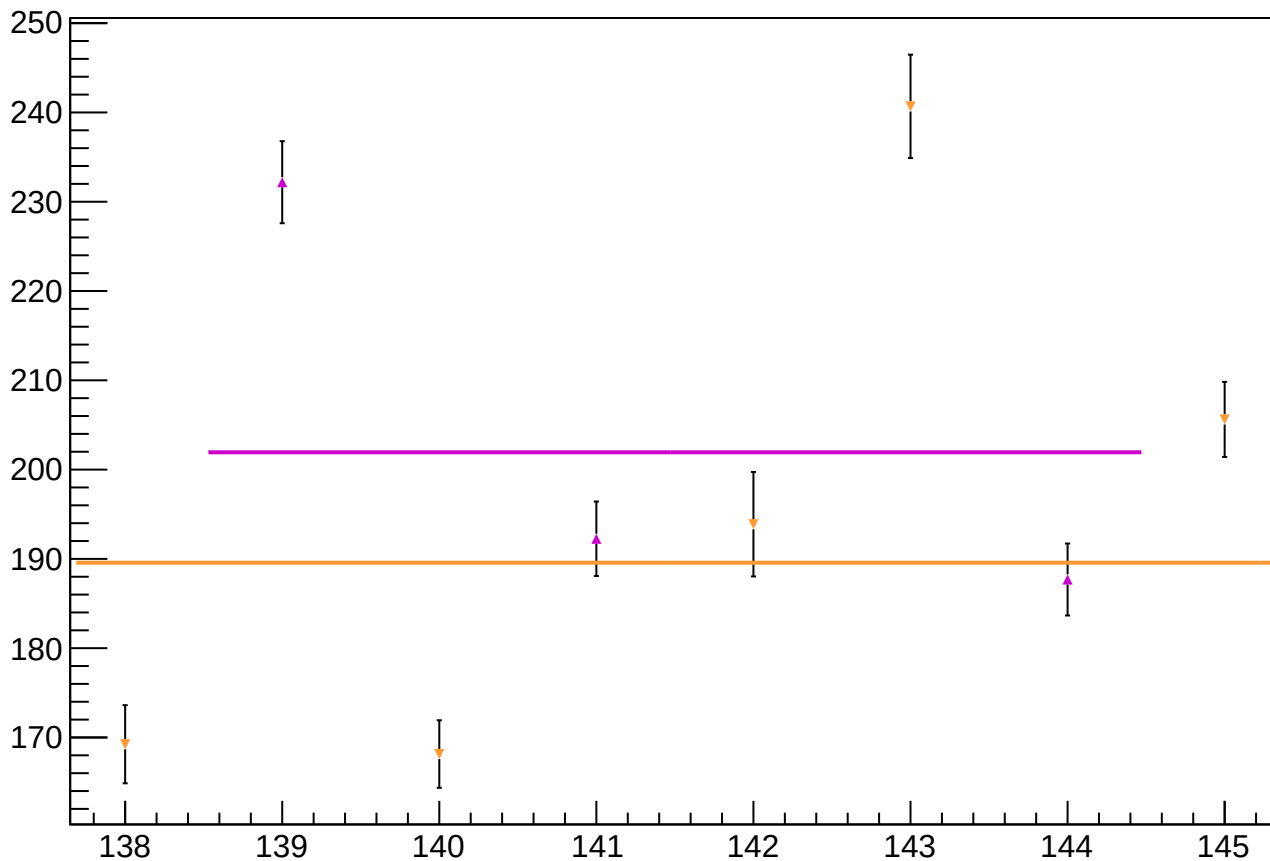
Right Out: -55.455 ± 0.072 $\chi^2/\text{NDF}: 968274.5/19$

Left In: -164.879 ± 0.134 $\chi^2/\text{NDF}: 11609.4/2$

-85.534 ± 0.059 $\chi^2/\text{NDF}: 1957479.9/21$

-80.031 ± 0.063 $\chi^2/\text{NDF}: 1499893.4/22$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 189.571+/-2.051 χ^2/NDF : 146.7/4

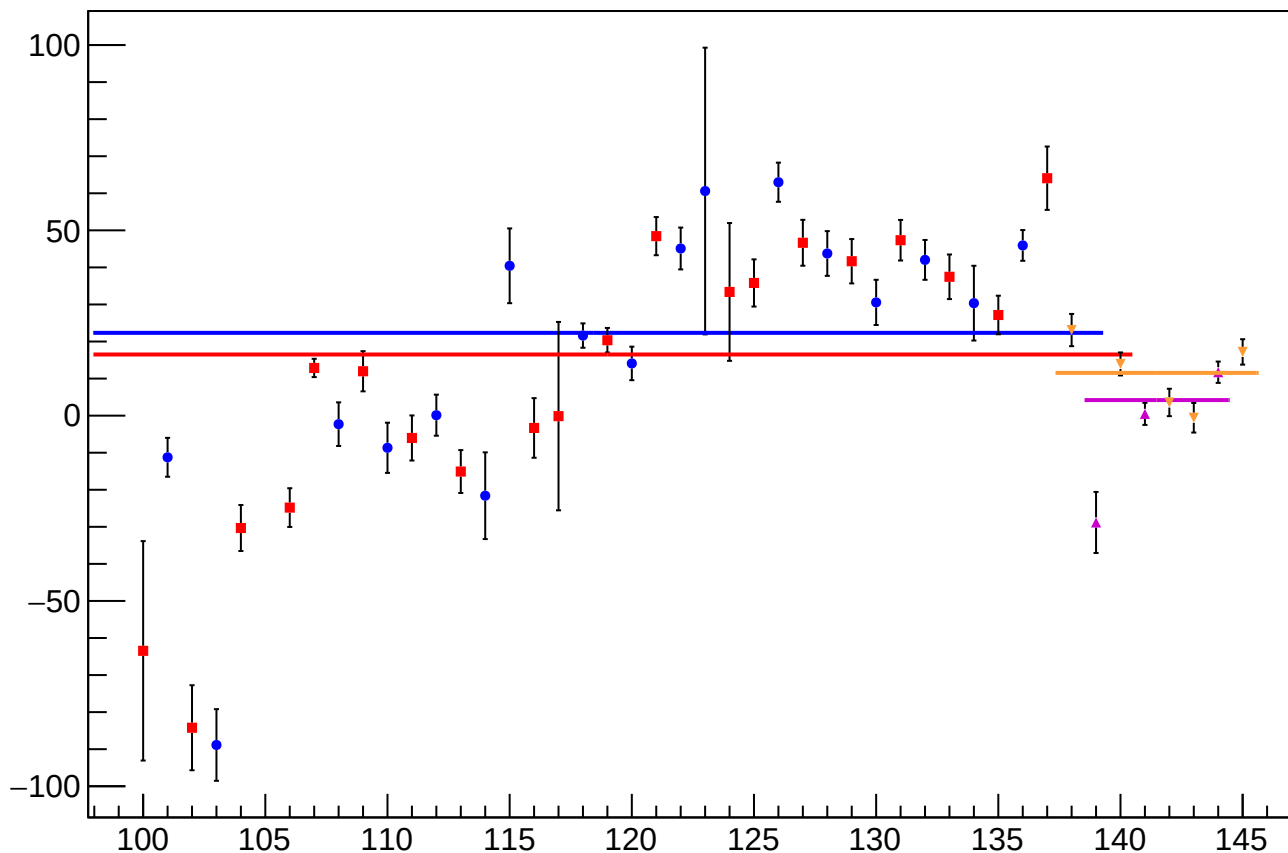
189.571+/-2.051 χ^2/NDF : 146.7/4

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

Left In: 201.939+/-2.451 χ^2/NDF : 61.3/2

201.939+/-2.451 χ^2/NDF : 61.3/2

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 $\pm$ 1.395 χ^2 /NDF: 385.8/16

Left Out: 11.536 $\pm$ 1.627 χ^2 /NDF: 24.3/4

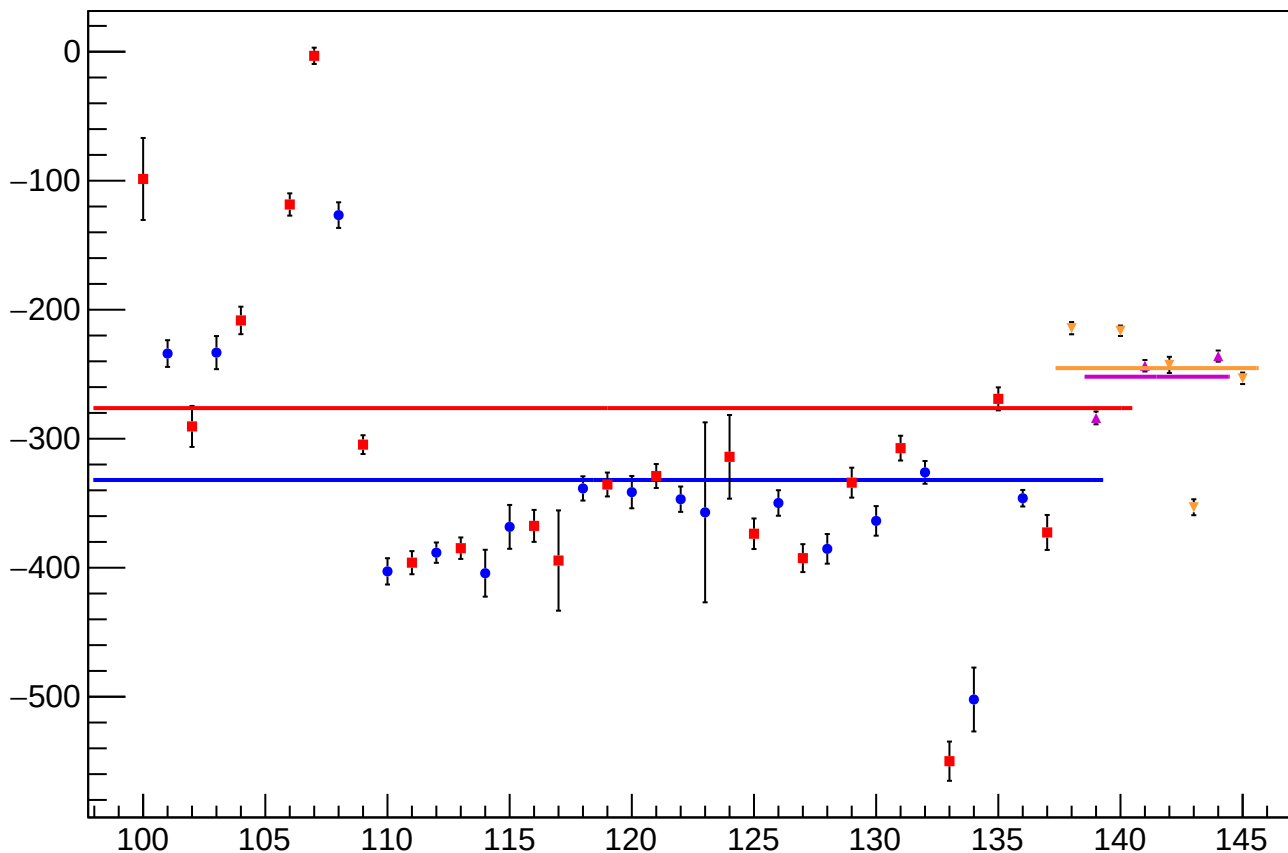
Right Out: 16.498 $\pm$ 1.226 χ^2 /NDF: 427.0/19

Left In: 4.199 $\pm$ 2.006 χ^2 /NDF: 24.5/2

17.761 $\pm$ 1.059 χ^2 /NDF: 435.5/21

13.154 $\pm$ 1.046 χ^2 /NDF: 478.8/22

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 $\pm$ 2.580 χ^2 /NDF: 785.0/16

Left Out: -245.265 $\pm$ 2.192 χ^2 /NDF:402.1/4

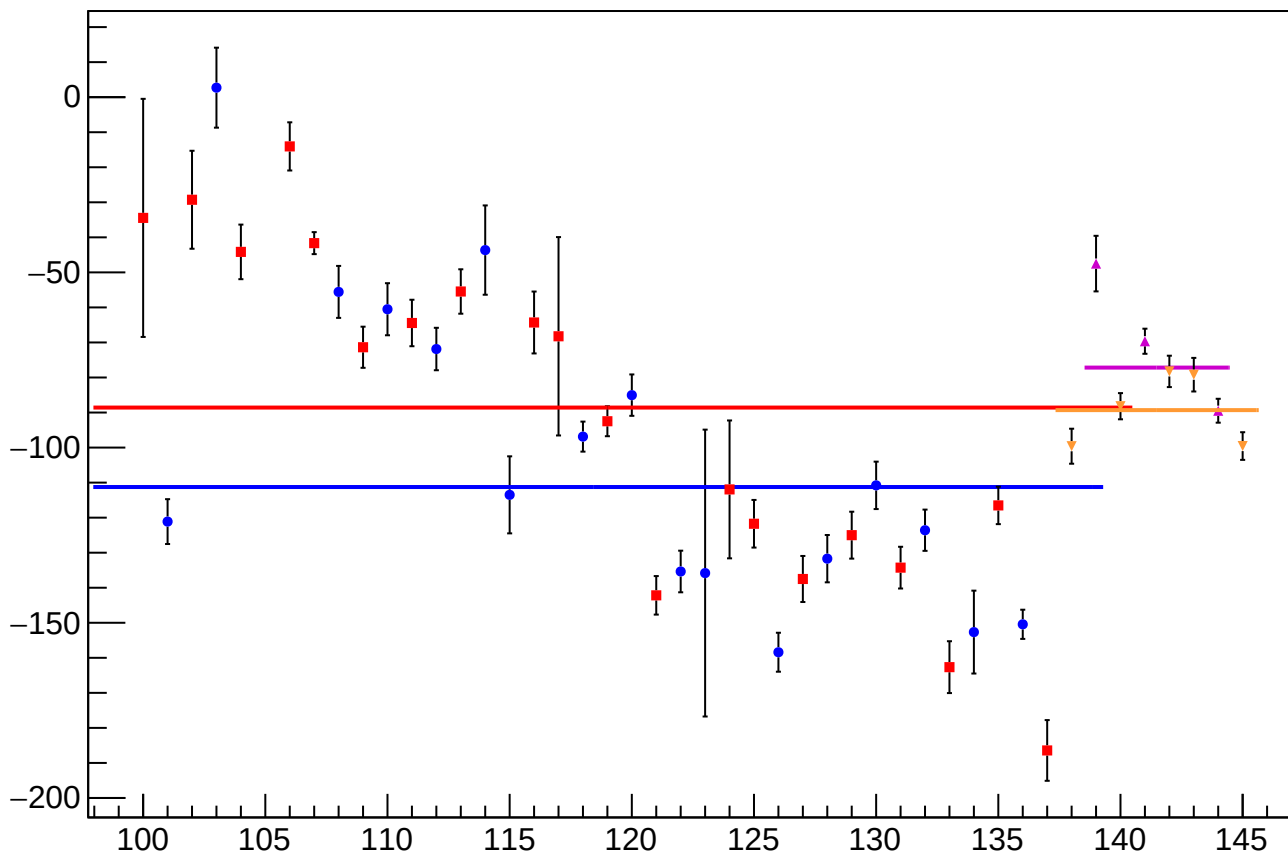
Right Out: -276.265 $\pm$ 2.320 χ^2 /NDF: 3371.5/19

Left In: -251.933 $\pm$ 2.626 χ^2 /NDF:58.6/2

-281.612 $\pm$ 1.670 χ^2 /NDF: 1843.3/21

-265.598 $\pm$ 1.739 χ^2 /NDF: 3478.3/22

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 $\chi^2/\text{NDF}: 509.6/16$

Left Out: -89.311 ± 1.927 $\chi^2/\text{NDF}: 21.6/4$

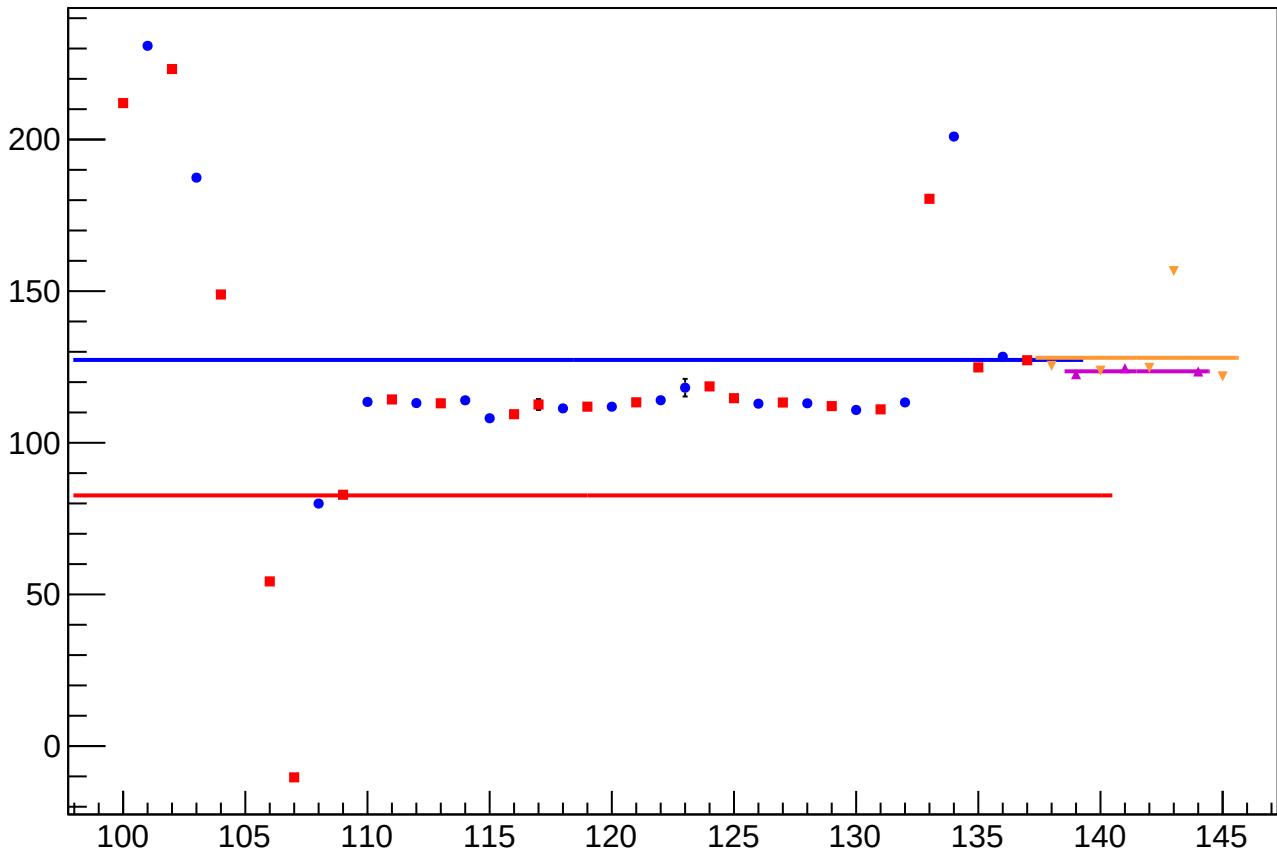
Right Out: -88.581 ± 1.431 $\chi^2/\text{NDF}: 971.5/19$

Left In: -77.173 ± 2.358 $\chi^2/\text{NDF}: 31.5/2$

-102.321 ± 1.230 $\chi^2/\text{NDF}: 608.1/21$

-85.509 ± 1.223 $\chi^2/\text{NDF}: 1020.0/22$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323 +/- 0.089 χ^2/NDF : 187776.4/16

Left Out: 128.024 +/- 0.089 χ^2/NDF : 15449.5/4

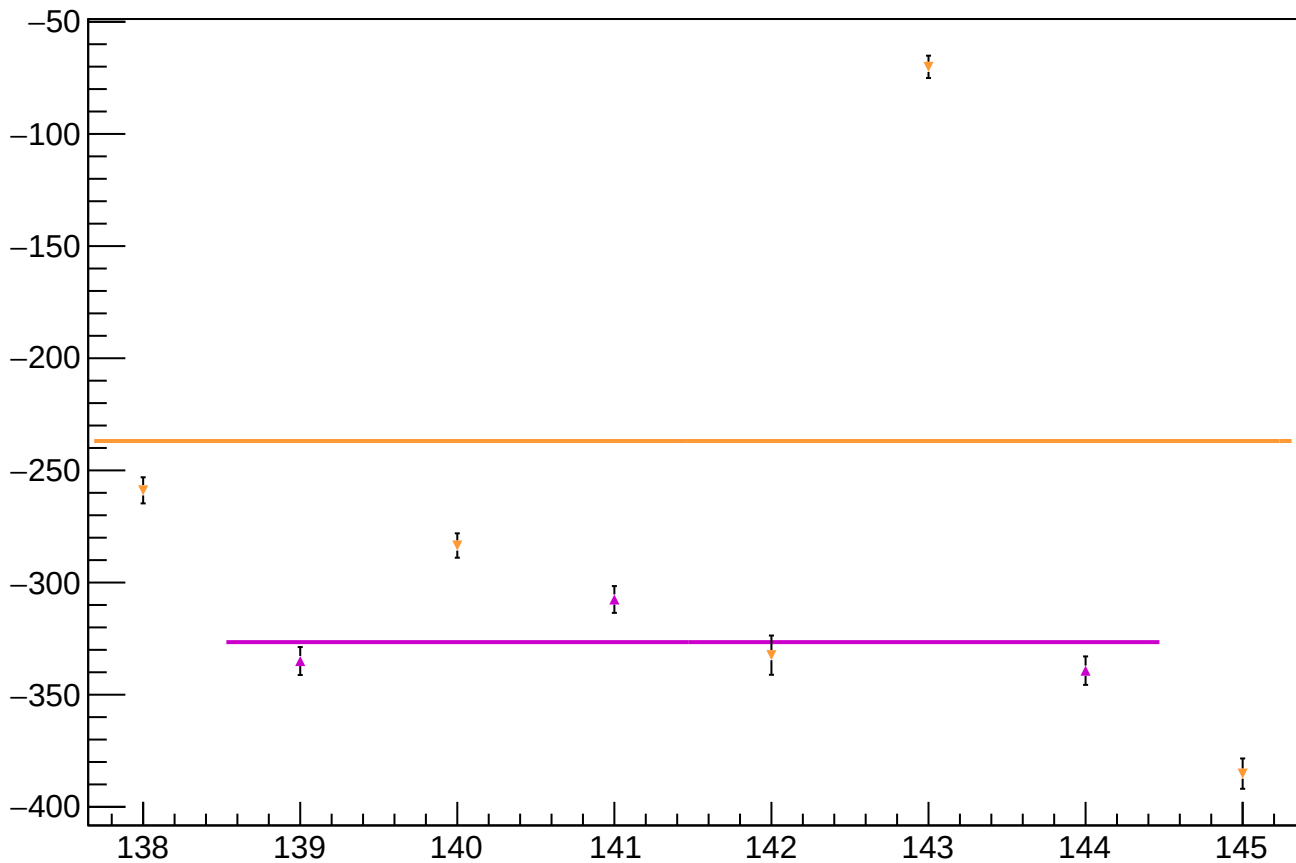
Right Out: 82.649 +/- 0.075 χ^2/NDF : 765307.1/19

Left In: 123.564 +/- 0.104 χ^2/NDF : 62.2/2

127.674 +/- 0.063 χ^2/NDF : 203256.7/21

96.658 +/- 0.061 χ^2/NDF : 866437.4/22

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -236.898+/-2.686 χ^2/NDF :1808.2/4

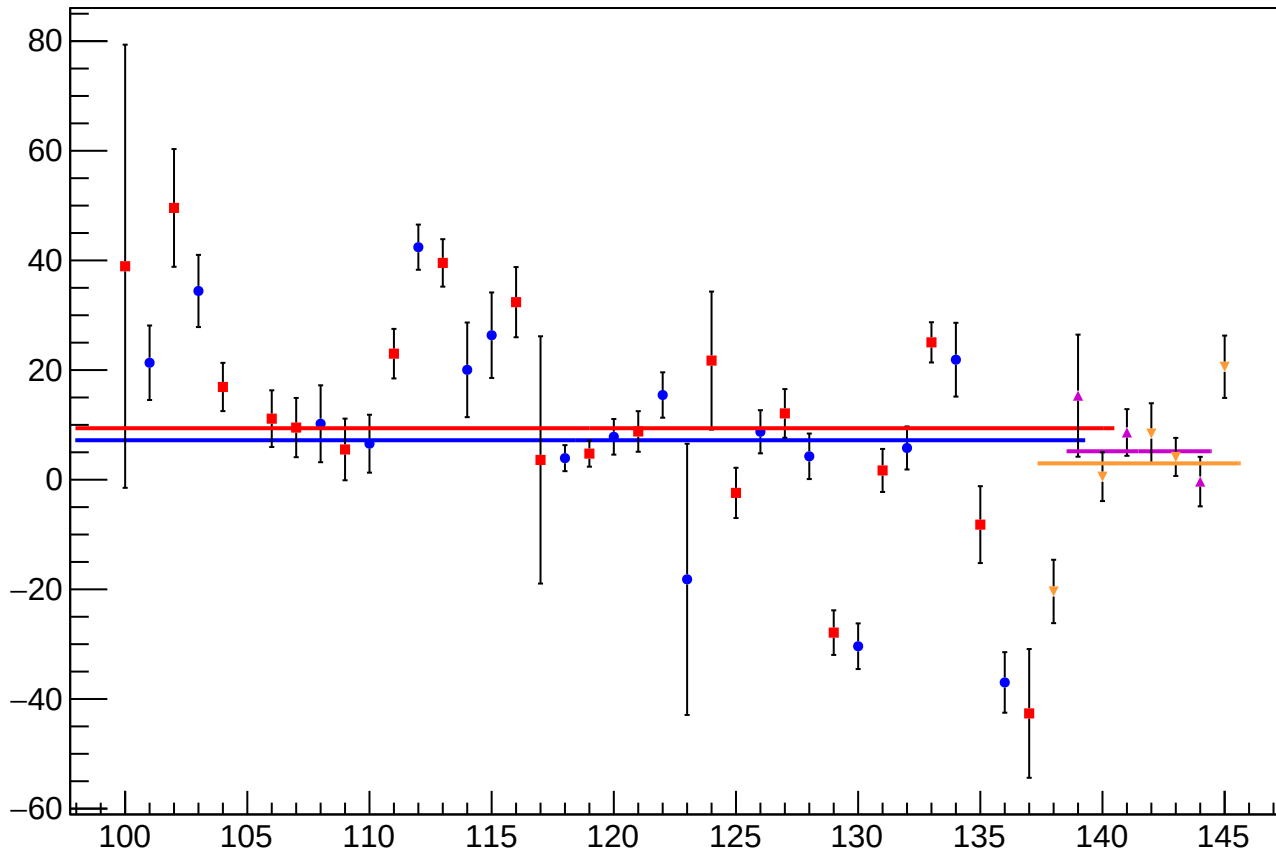
-236.898+/-2.686 χ^2/NDF : 1808.2/4

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -326.563+/-3.567 χ^2/NDF :16.0/2

-326.563+/-3.567 χ^2/NDF : 16.0/2

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 $\pm$ 1.103 χ^2 /NDF: 260.9/16

Left Out: 2.979 $\pm$ 2.099 χ^2 /NDF: 27.3/4

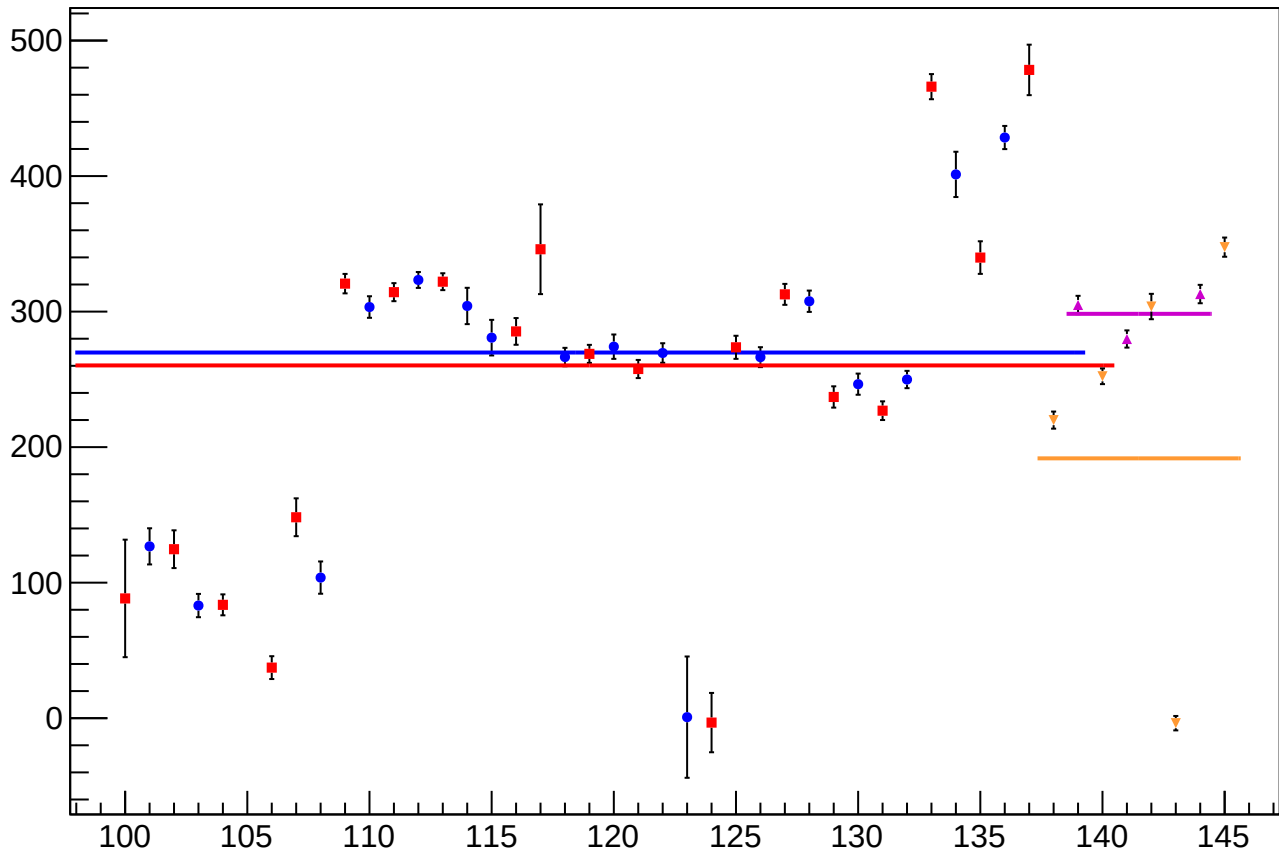
Right Out: 9.390 $\pm$ 1.070 χ^2 /NDF: 232.2/19

Left In: 5.188 $\pm$ 2.984 χ^2 /NDF: 3.0/2

6.286 $\pm$ 0.976 χ^2 /NDF: 291.4/21

8.911 $\pm$ 1.007 χ^2 /NDF: 237.0/22

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2/NDF : 1374.1/16

Left Out: 191.716 $\pm$ 2.867 χ^2/NDF : 2106.1/4

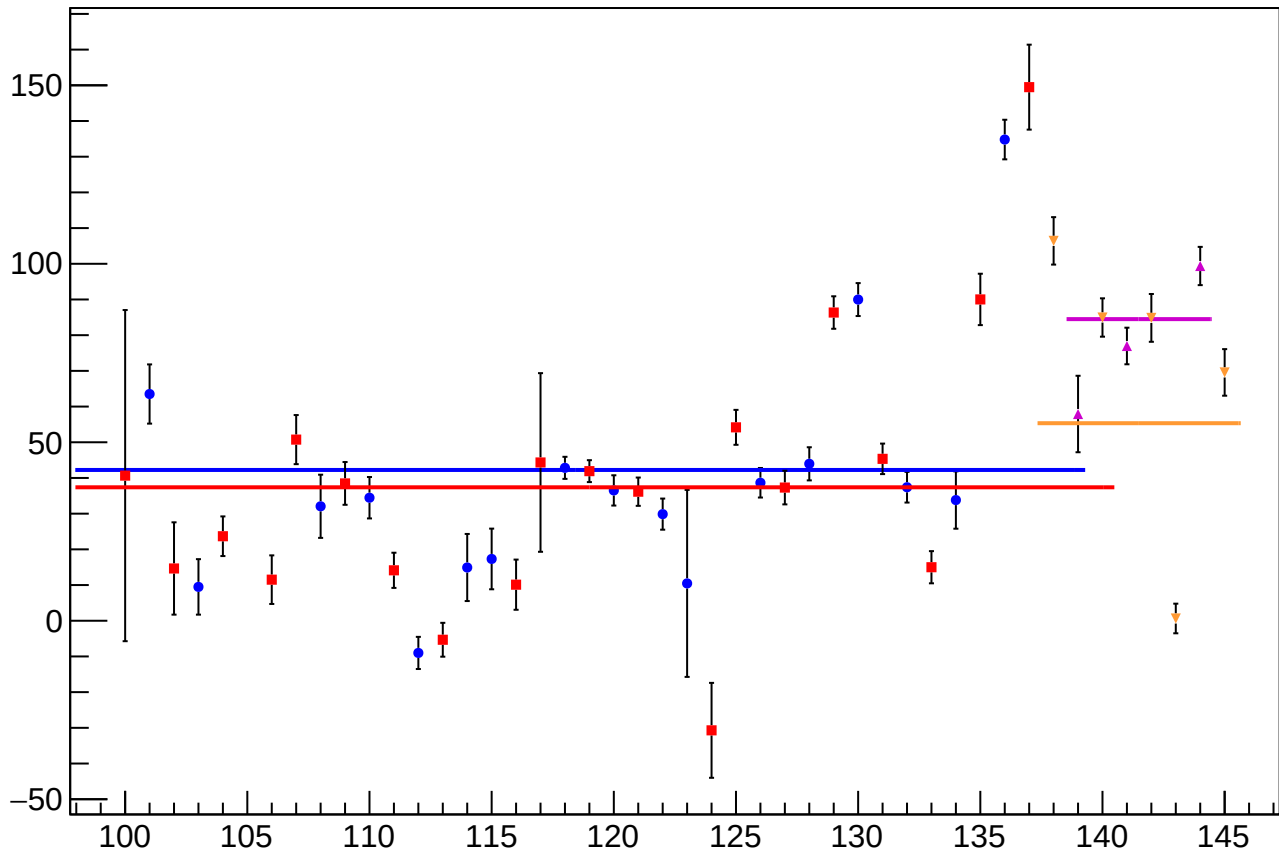
Right Out: 260.286 $\pm$ 1.973 χ^2/NDF : 2545.4/19

Left In: 298.352 $\pm$ 3.823 χ^2/NDF : 14.1/2

242.721 $\pm$ 1.688 χ^2/NDF : 3964.8/21

268.294 $\pm$ 1.754 χ^2/NDF : 2637.7/22

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2/NDF : 574.4/16

Left Out: 55.339 $\pm$ 2.491 χ^2/NDF : 287.3/4

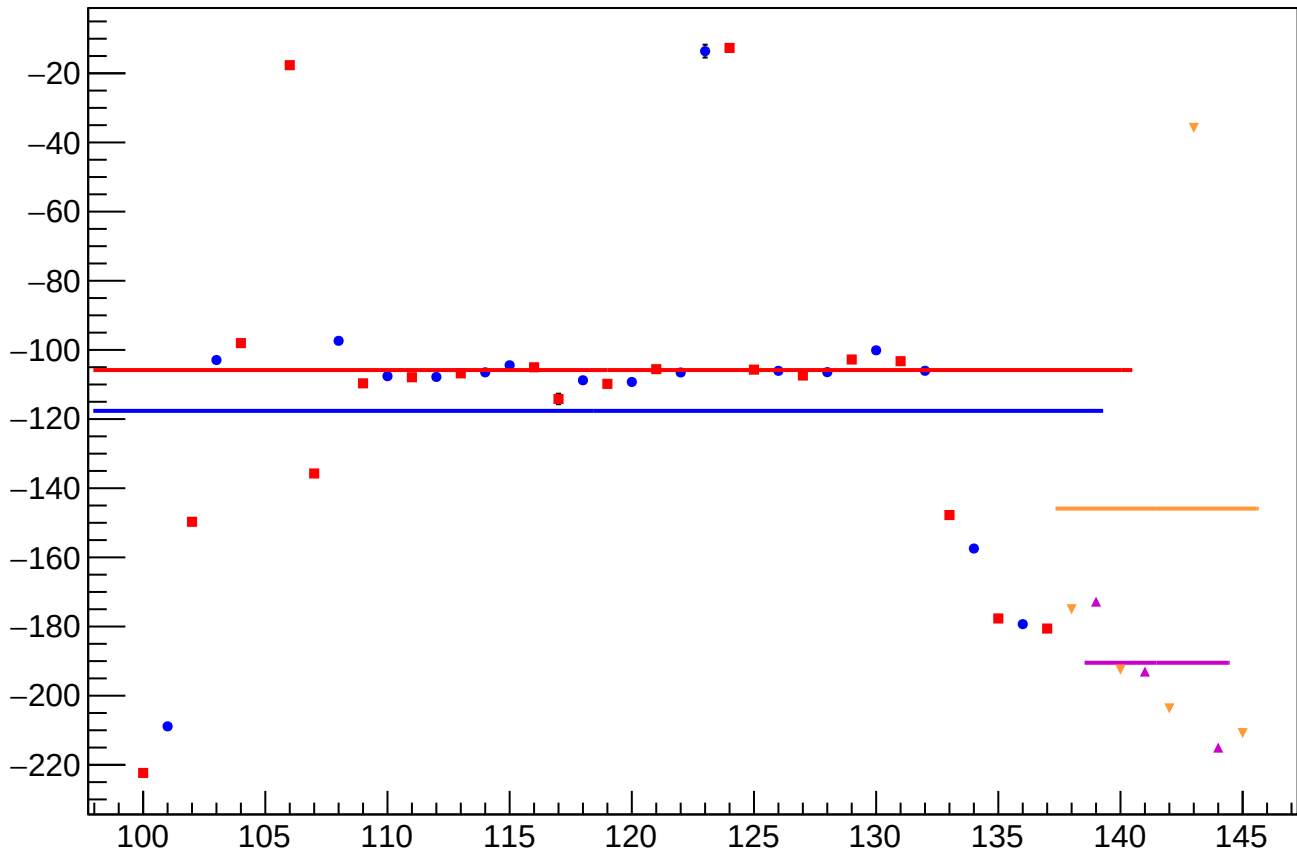
Right Out: 37.384 $\pm$ 1.233 χ^2/NDF : 472.4/19

Left In: 84.499 $\pm$ 3.500 χ^2/NDF : 16.0/2

44.955 $\pm$ 1.134 χ^2/NDF : 883.6/21

42.584 $\pm$ 1.163 χ^2/NDF : 649.6/22

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -145.892+/-0.117 χ^2/NDF : 392066.5/4

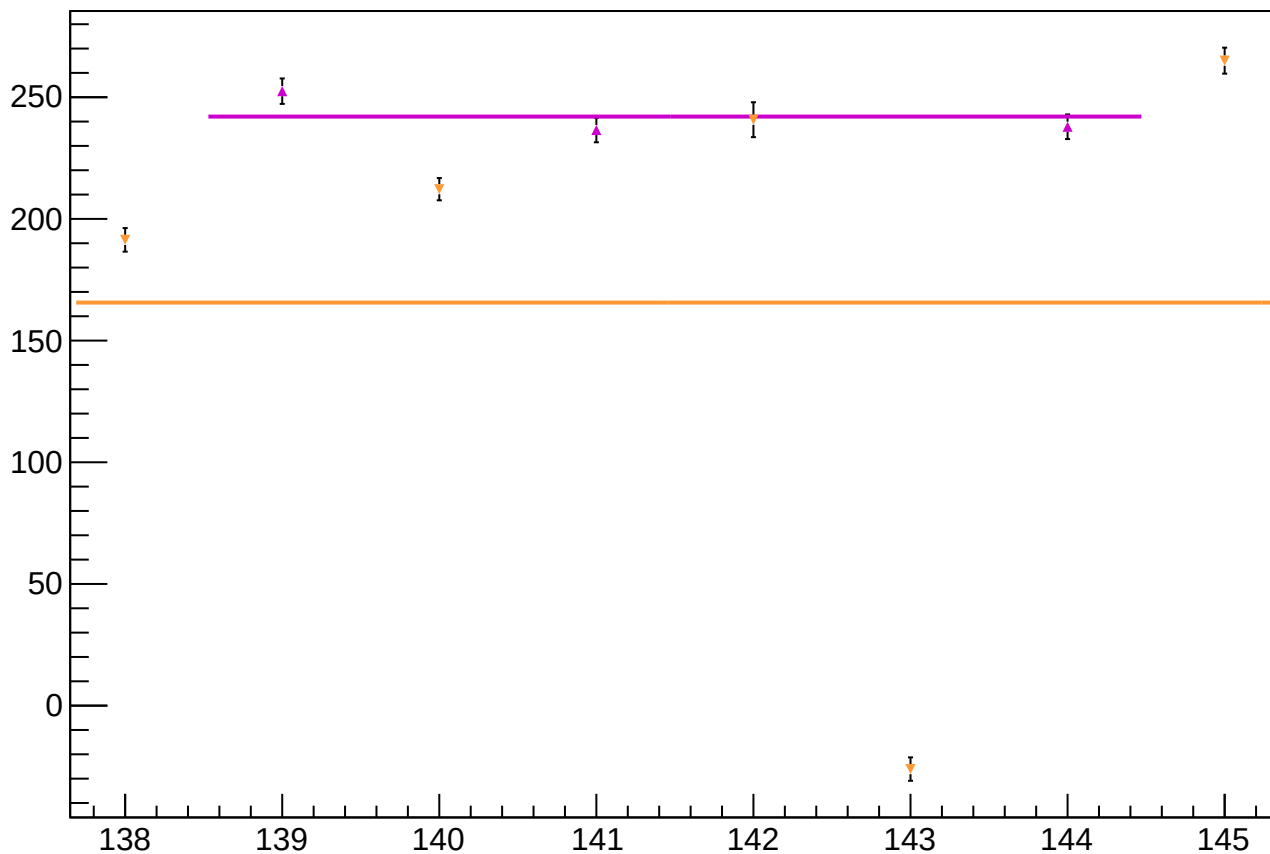
Right Out: -105.826+/-0.073 χ^2/NDF : 323138.4/19

Left In: -190.478+/-0.150 χ^2/NDF : 12502.7/2

-126.436+/-0.065 χ^2/NDF : 574326.6/21

-121.894+/-0.065 χ^2/NDF : 592780.3/22

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 165.628+/-2.305 χ^2/NDF : 2175.8/4

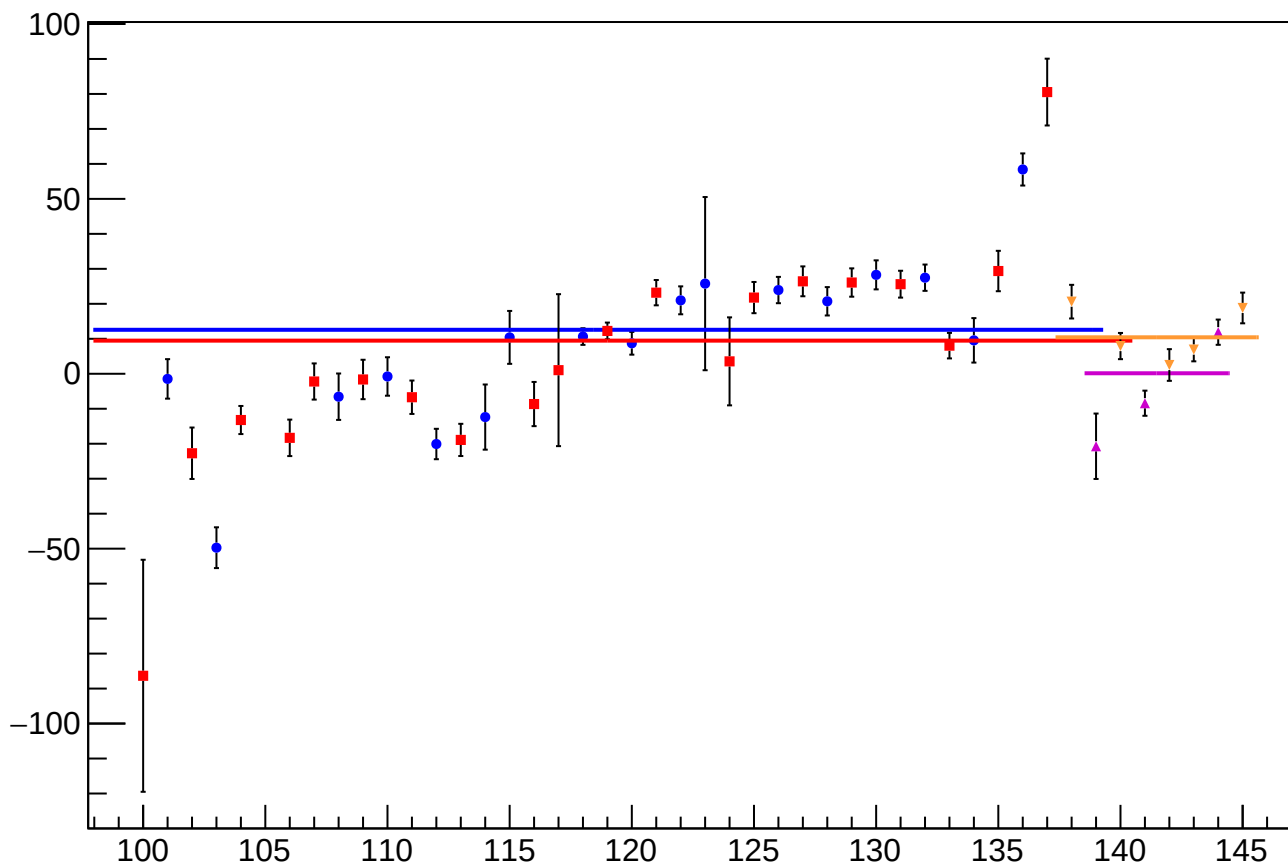
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 242.057+/-2.948 χ^2/NDF : 5.9/2

165.628+/-2.305 χ^2/NDF : 2175.8/4

242.057+/-2.948 χ^2/NDF : 5.9/2

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574+/-1.074 χ^2/NDF : 348.0/16

Left Out: 10.424+/-1.814 χ^2/NDF : 12.7/4

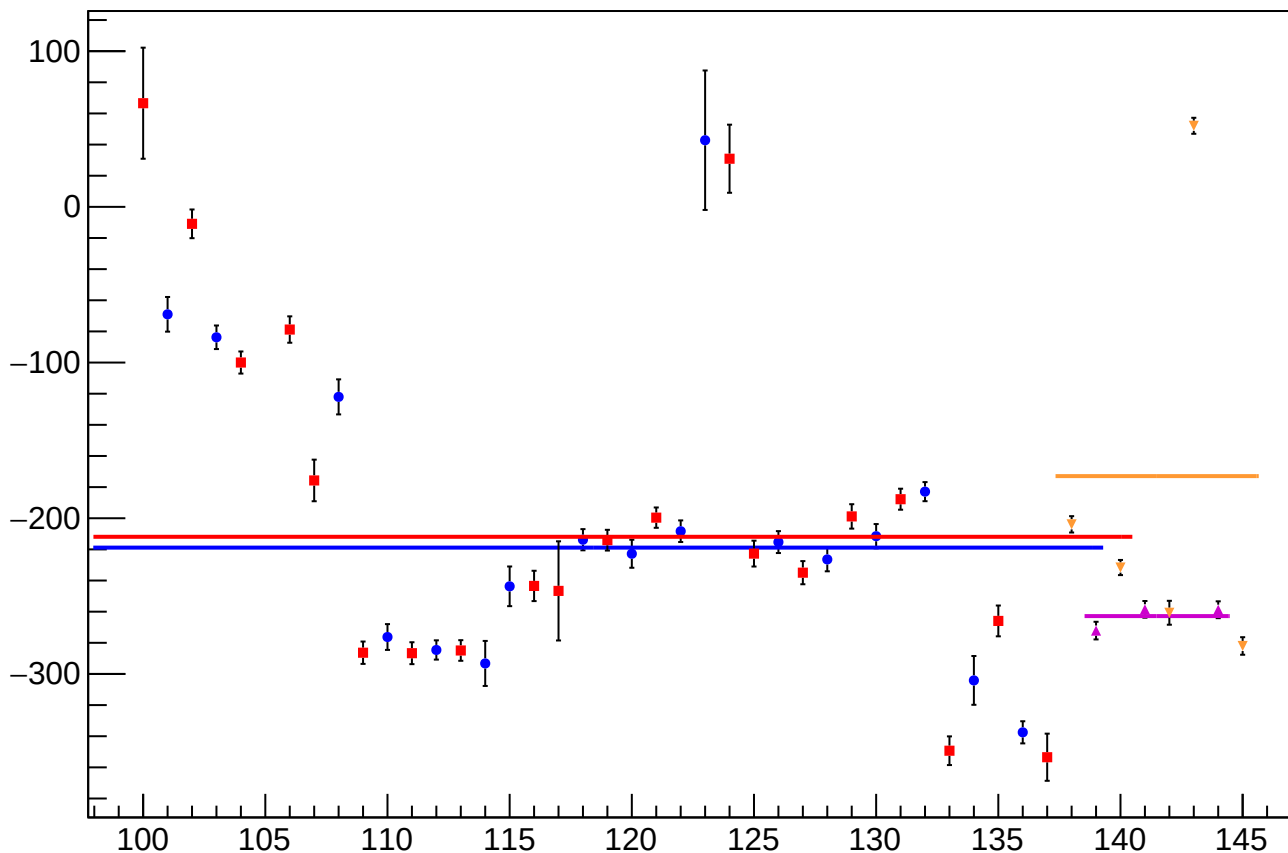
Right Out: 9.474+/-1.046 χ^2/NDF : 296.0/19

Left In: 0.144+/-2.456 χ^2/NDF : 21.3/2

12.016+/-0.924 χ^2/NDF : 361.8/21

8.041+/-0.963 χ^2/NDF : 329.4/22

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855+/-2.023 χ^2/NDF : 1146.6/16

Left Out: -172.935+/-2.463 χ^2/NDF : 2604.0/4

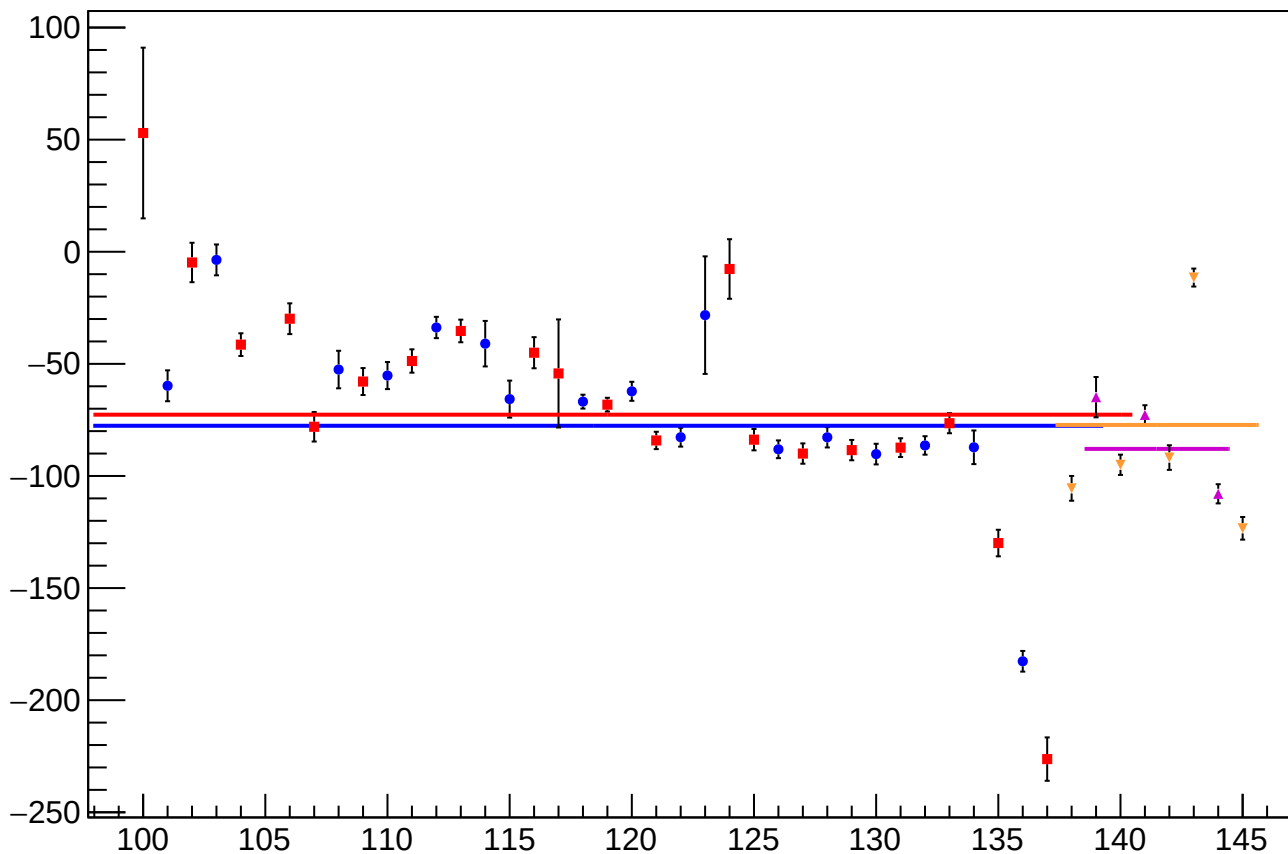
Right Out: -211.907+/-1.920 χ^2/NDF : 1886.4/19

Left In: -262.840+/-3.161 χ^2/NDF : 3.9/2

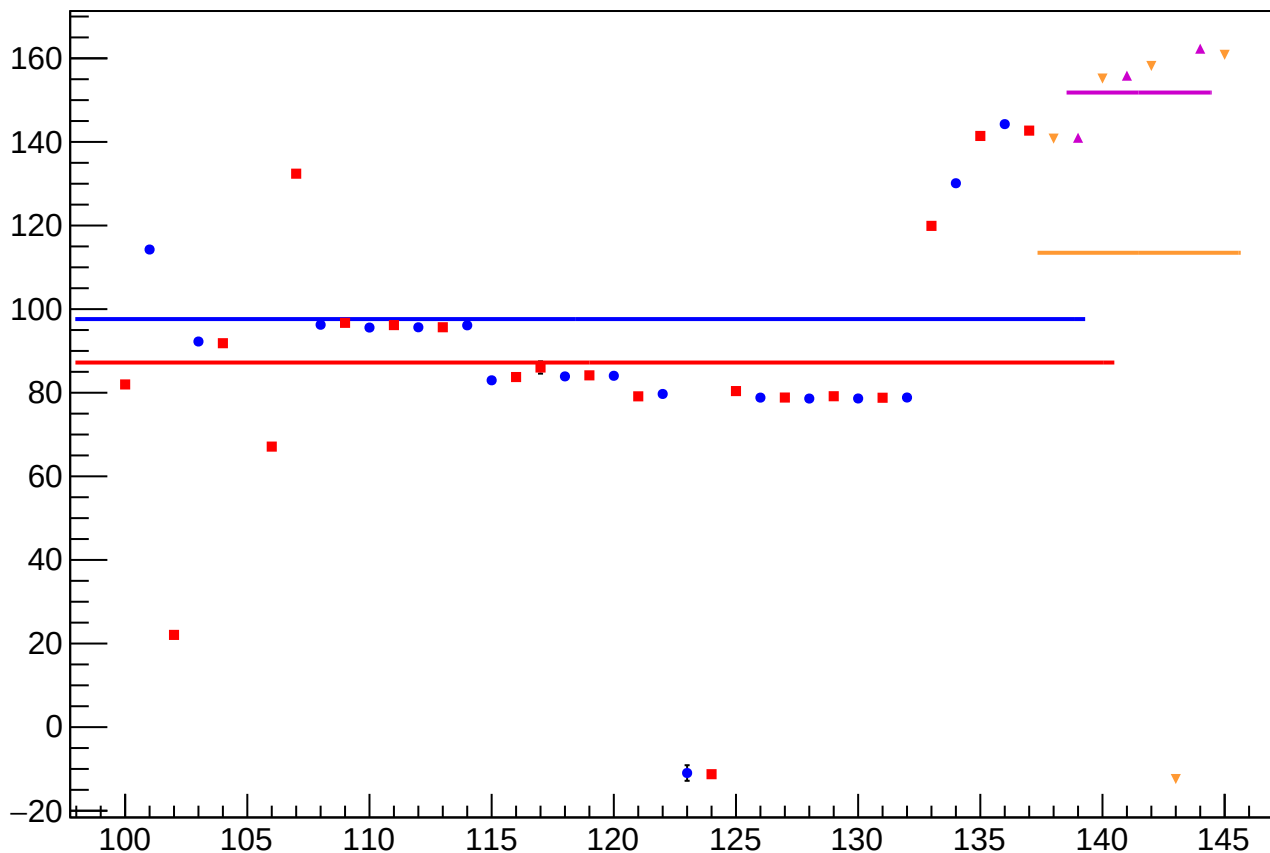
-200.363+/-1.563 χ^2/NDF : 3958.2/21

-225.639+/-1.641 χ^2/NDF : 2080.0/22

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 113.484 $\pm$ 0.100 χ^2 /NDF: 497171.5/4

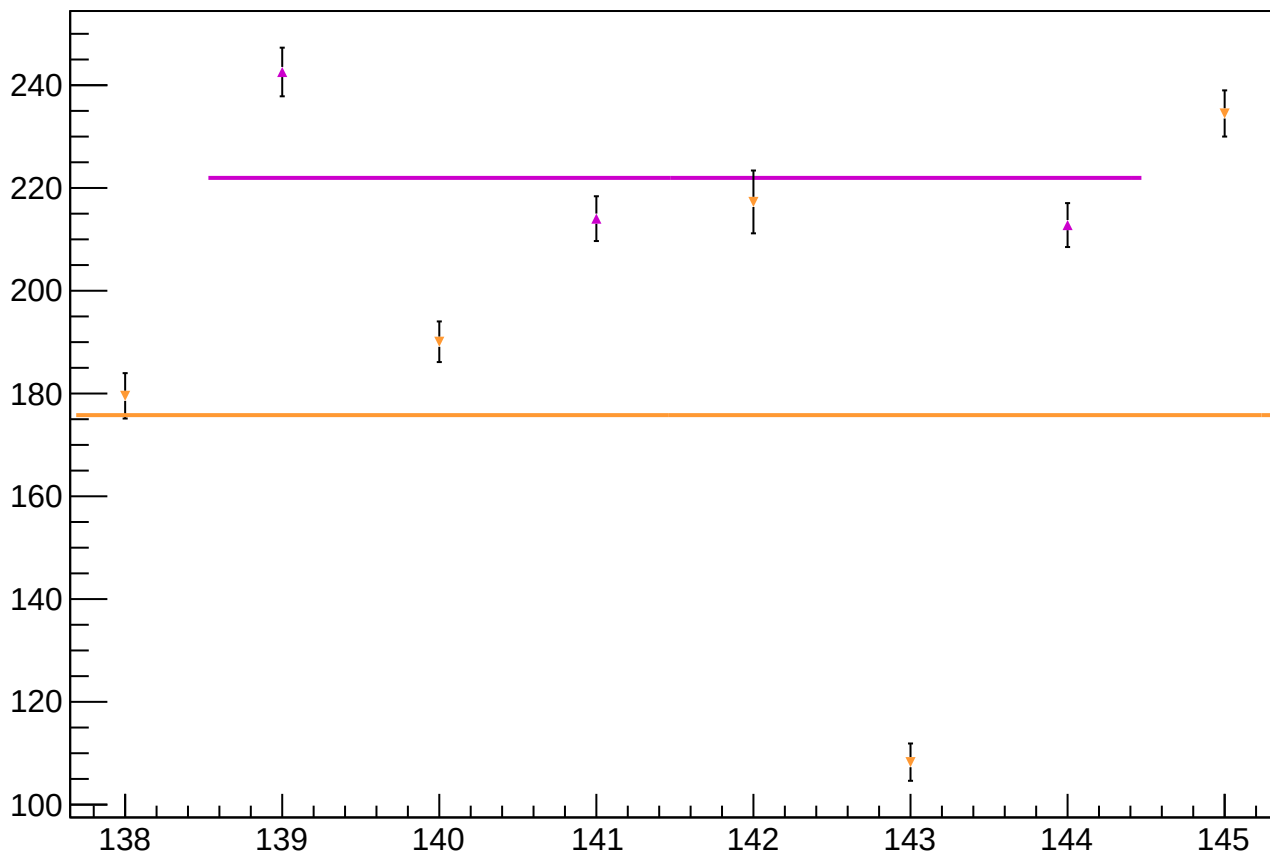
Right Out: 87.224 $\pm$ 0.068 χ^2 /NDF: 220851.2/19

Left In: 151.812 $\pm$ 0.125 χ^2 /NDF: 5280.2/2

103.190 $\pm$ 0.059 χ^2 /NDF: 607478.6/21

102.119 $\pm$ 0.060 χ^2 /NDF: 433009.8/22

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

175.796+/-1.934 χ^2/NDF : 576.3/4

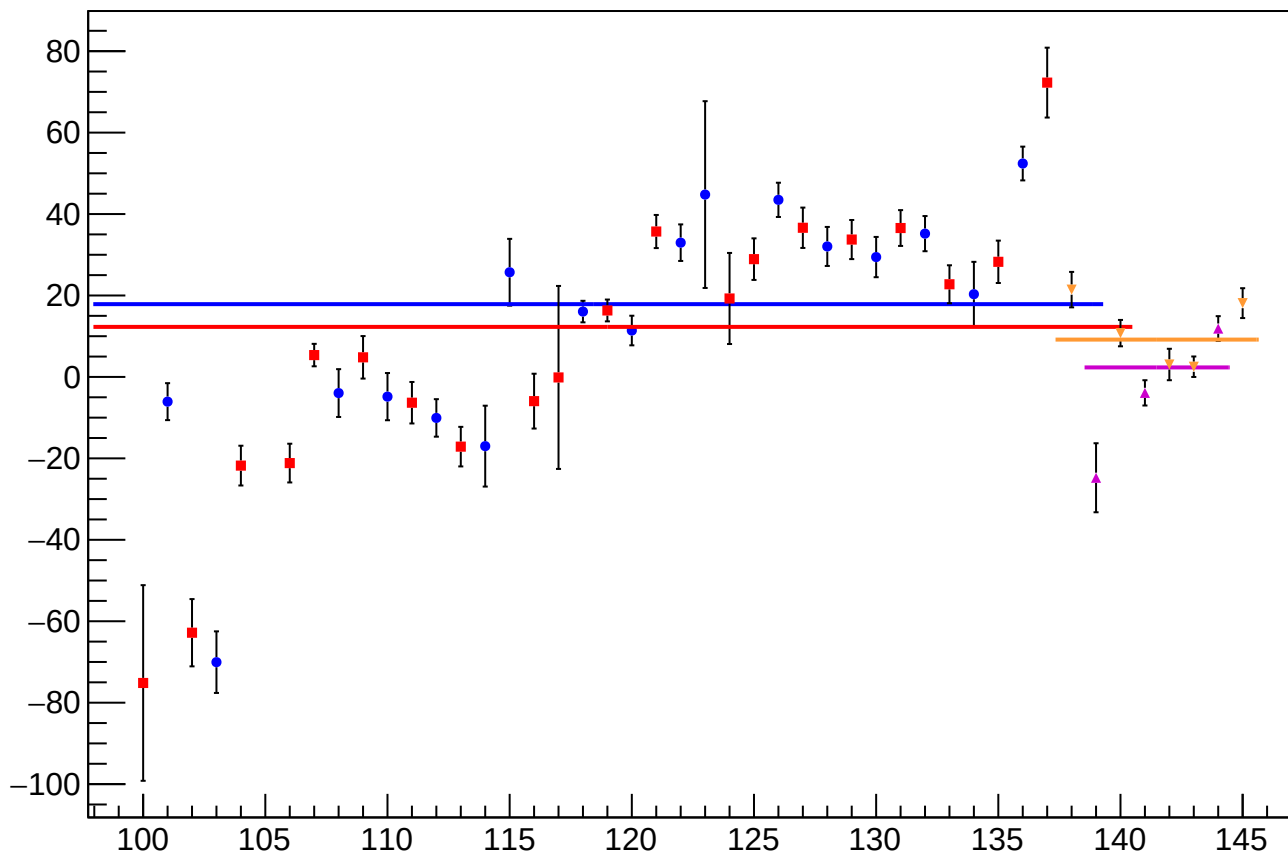
Left Out: 175.796+/-1.934 χ^2/NDF : 576.3/4

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

221.962+/-2.565 χ^2/NDF : 26.9/2

Left In: 221.962+/-2.565 χ^2/NDF : 26.9/2

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.872 ± 1.166 $\chi^2/\text{NDF}: 395.3/16$

Left Out: 9.169 ± 1.494 $\chi^2/\text{NDF}: 23.7/4$

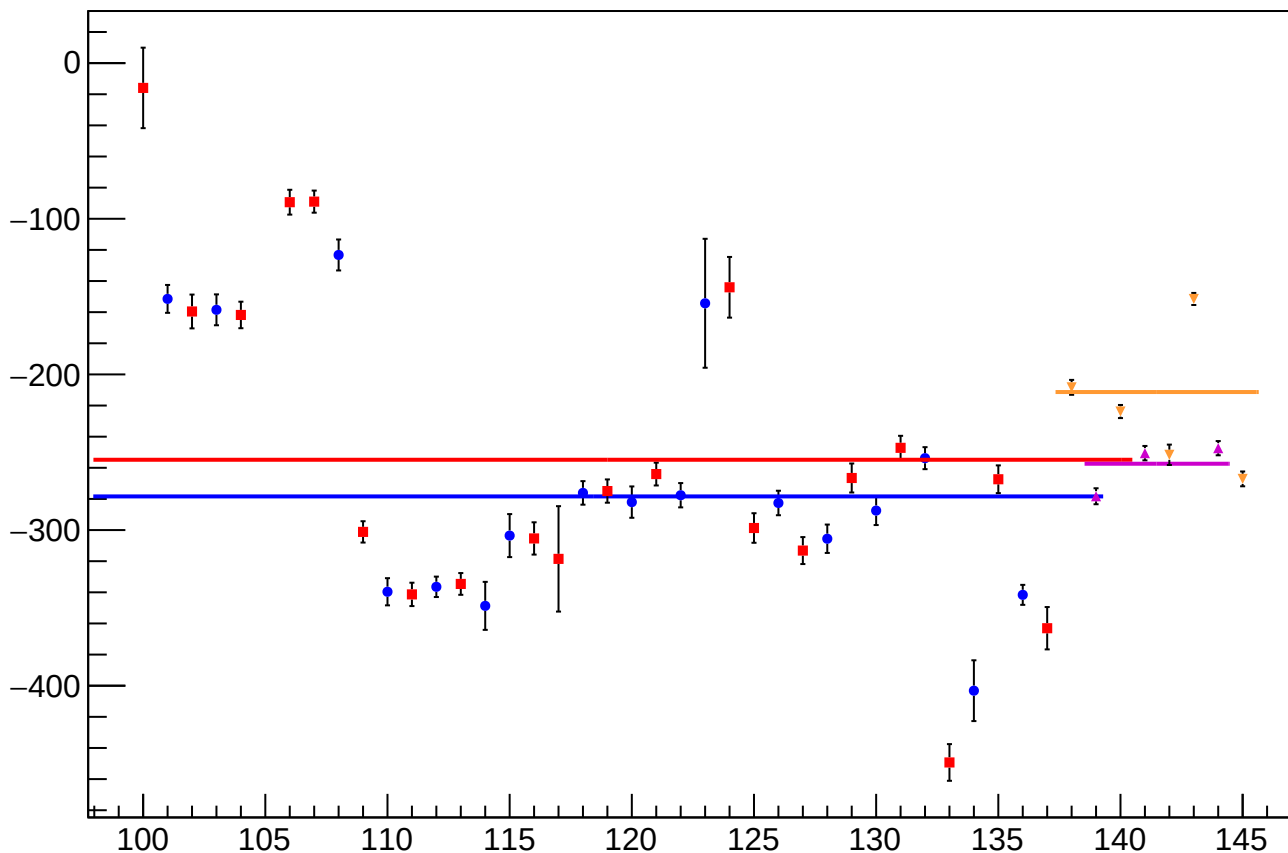
Right Out: 12.288 ± 1.082 $\chi^2/\text{NDF}: 444.4/19$

Left In: 2.334 ± 2.107 $\chi^2/\text{NDF}: 24.1/2$

14.579 ± 0.919 $\chi^2/\text{NDF}: 440.1/21$

10.212 ± 0.963 $\chi^2/\text{NDF}: 486.1/22$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 $\pm$ 2.185 χ^2 /NDF: 910.6/16

Left Out: -211.315 $\pm$ 2.067 χ^2 /NDF:422.7/4

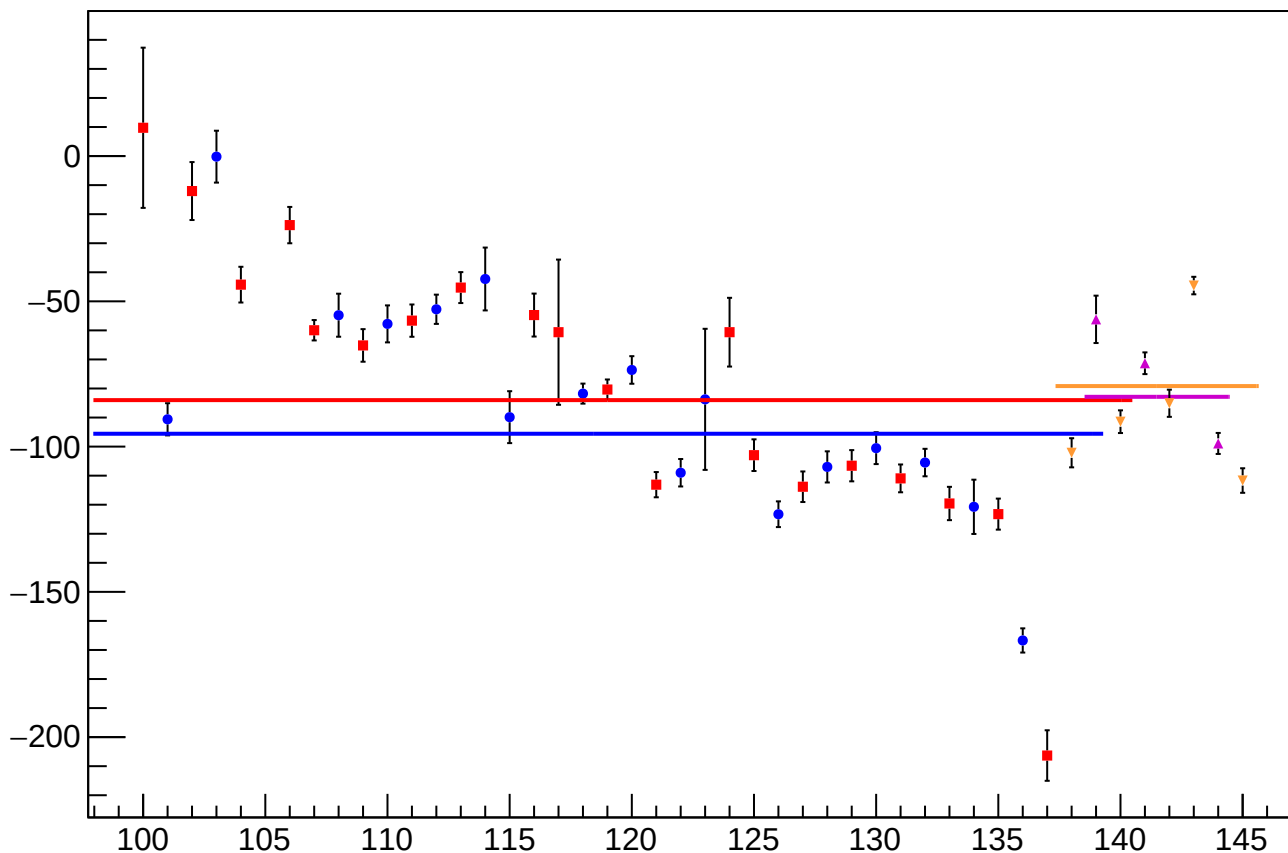
Right Out: -254.830 $\pm$ 2.016 χ^2 /NDF: 2041.0/19

Left In: -257.388 $\pm$ 2.748 χ^2 /NDF:23.5/2

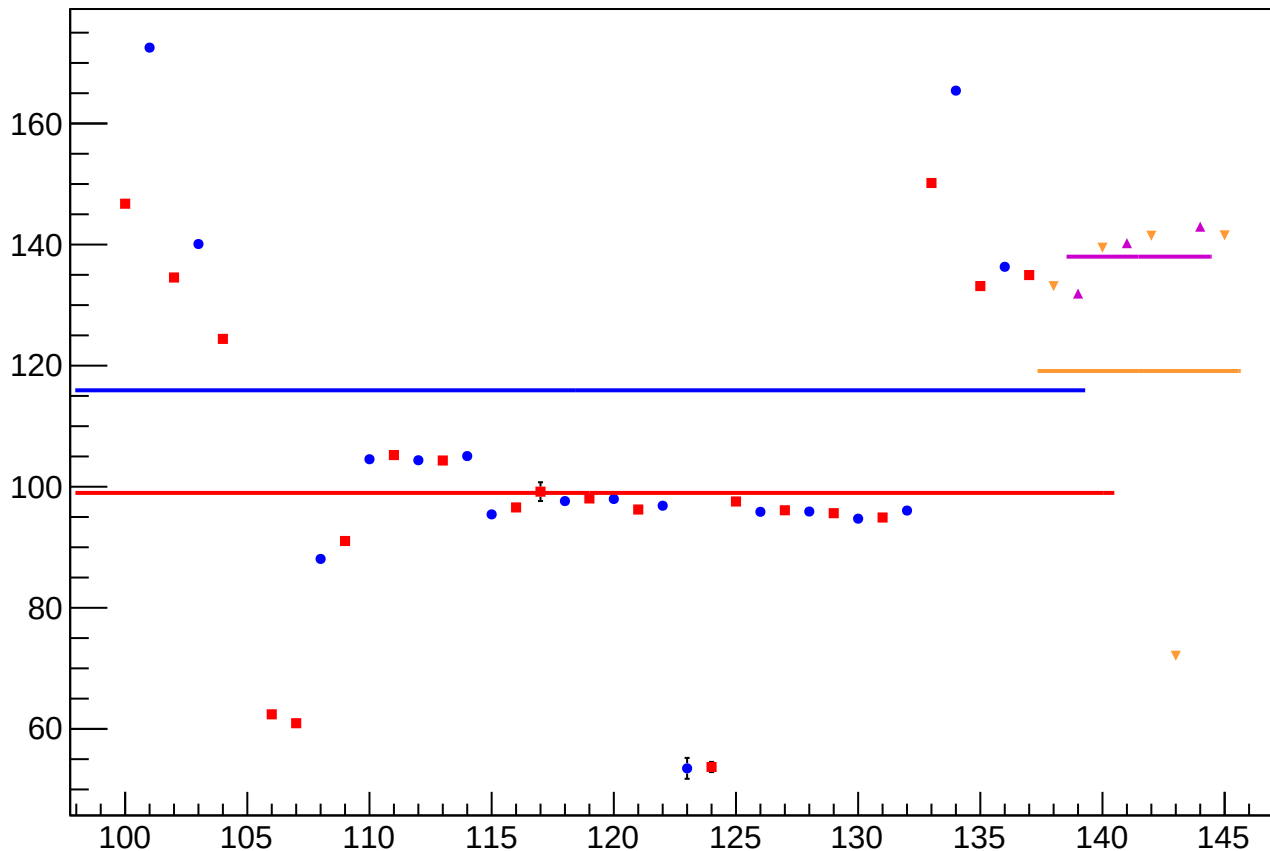
-242.986 $\pm$ 1.501 χ^2 /NDF: 1830.5/21

-255.725 $\pm$ 1.626 χ^2 /NDF: 2065.1/22

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.927+/-0.078 χ^2/NDF : 105791.4/16

Left Out: 119.120+/-0.084 χ^2/NDF :130835.4/4

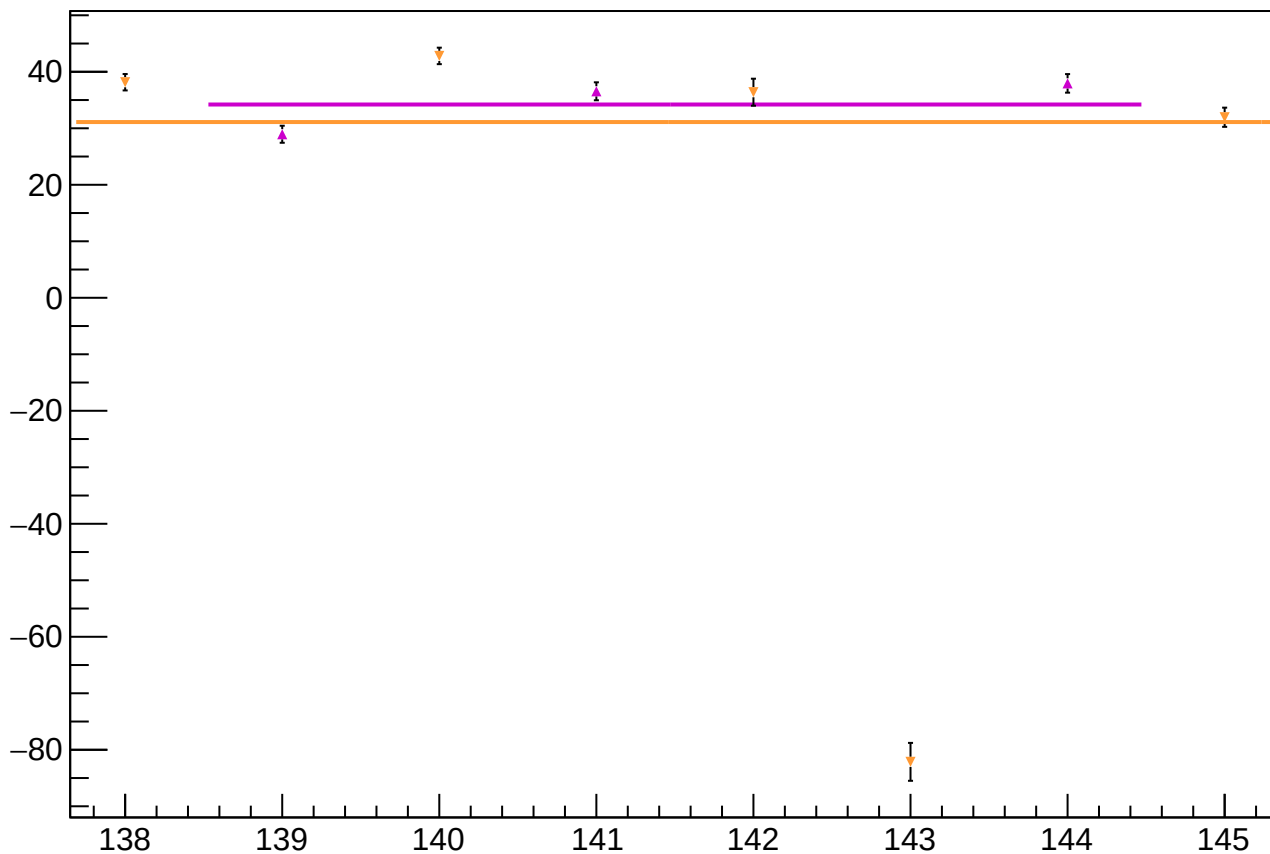
Right Out: 98.982+/-0.068 χ^2/NDF : 172974.2/19

Left In: 138.003+/-0.109 χ^2/NDF :1900.4/2

117.412+/-0.057 χ^2/NDF : 237397.9/21

110.033+/-0.058 χ^2/NDF : 266820.3/22

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 31.104+/-0.802 χ^2/NDF : 1232.6/4

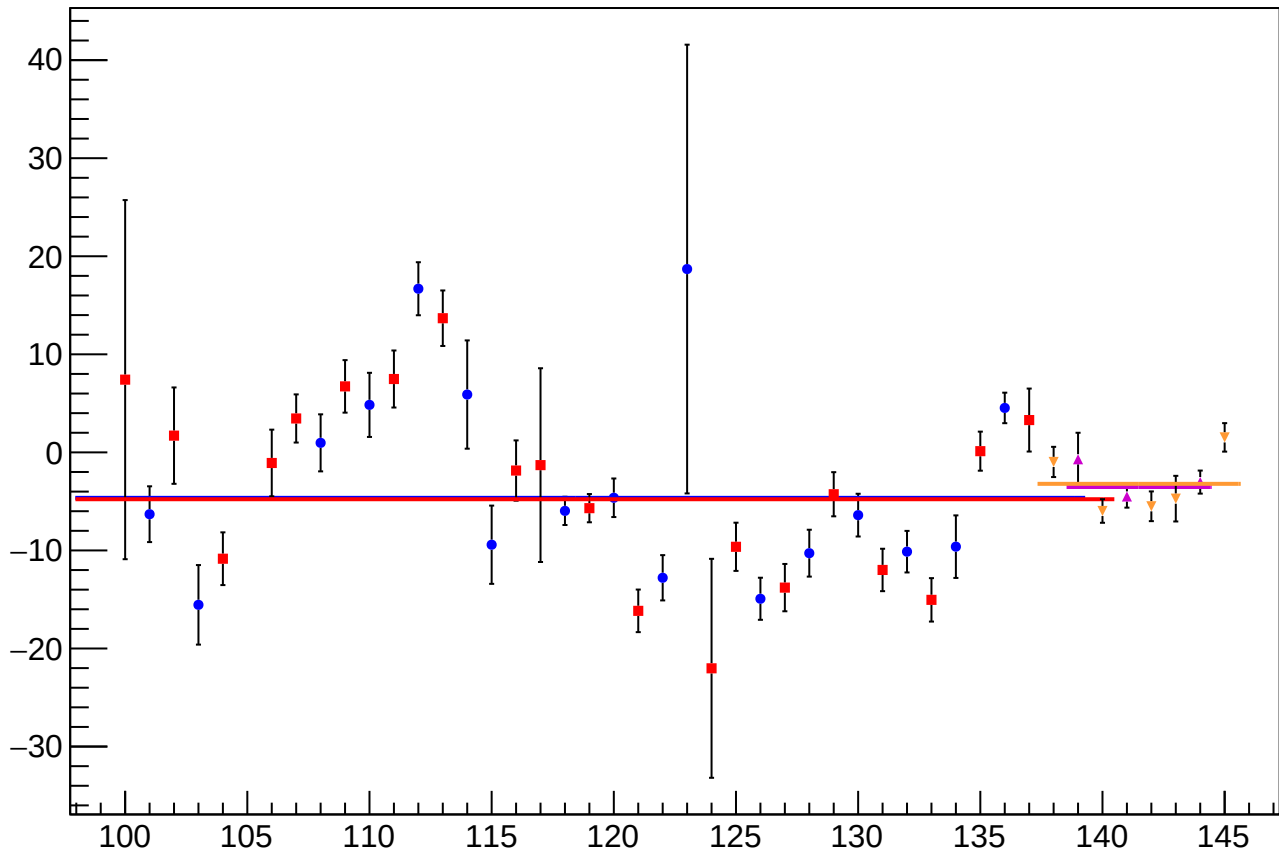
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 34.208+/-0.910 χ^2/NDF : 19.5/2

31.104+/-0.802 χ^2/NDF : 1232.6/4

34.208+/-0.910 χ^2/NDF : 19.5/2

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -3.209 ± 0.673 χ^2/NDF : 20.7/4

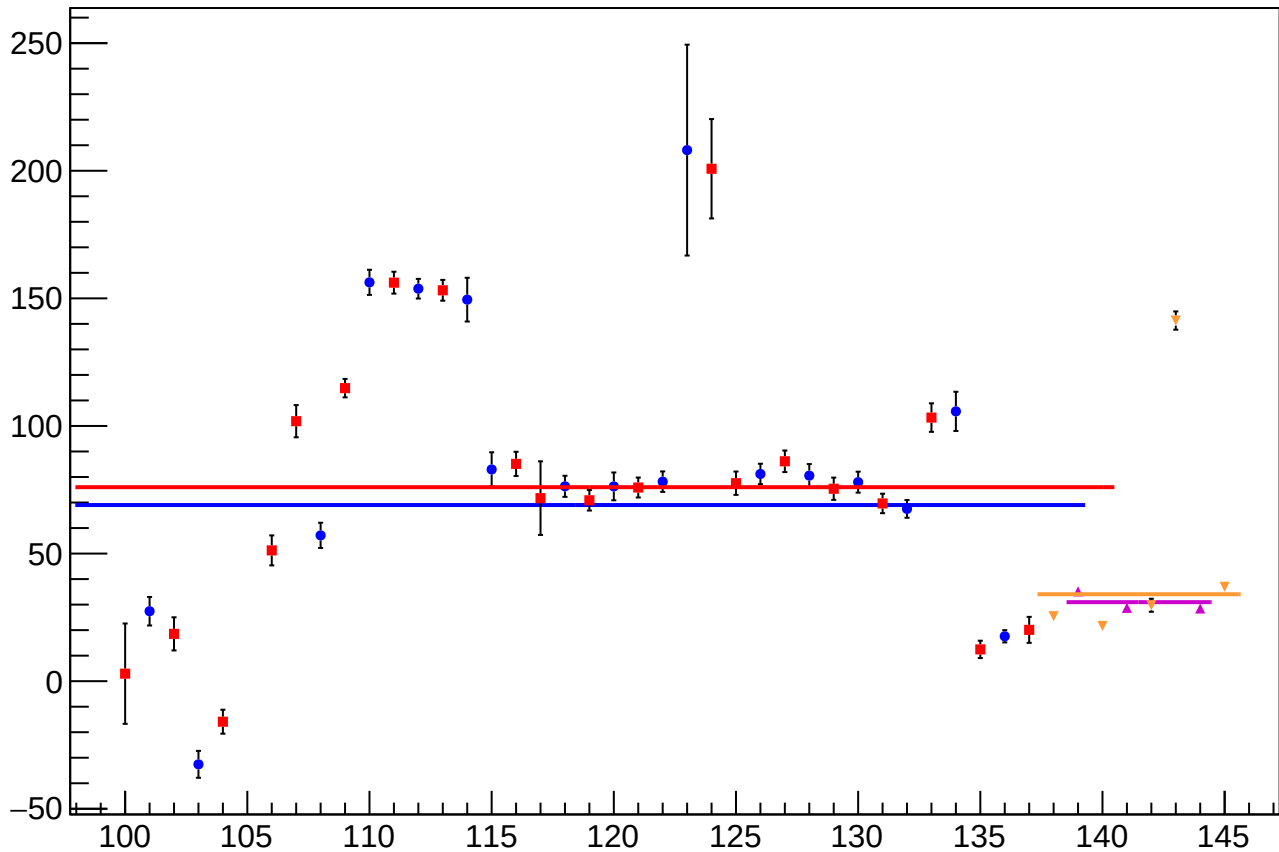
Right Out: -4.779 ± 0.583 χ^2/NDF : 192.7/19

Left In: -3.529 ± 0.782 χ^2/NDF : 2.0/2

-4.019 ± 0.443 χ^2/NDF : 197.7/21

-4.332 ± 0.468 χ^2/NDF : 196.3/22

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: 34.068+/-0.856 χ^2 /NDF:996.3/4

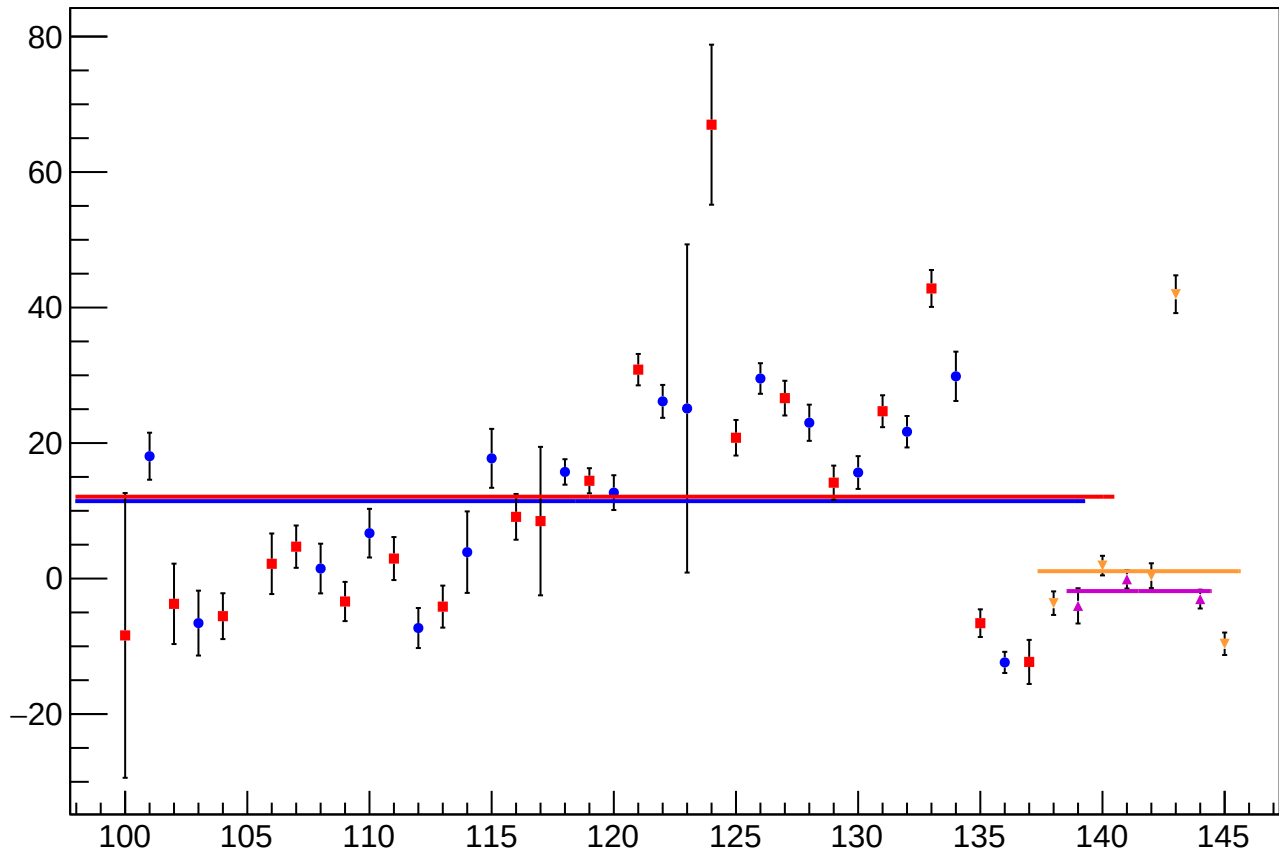
Right Out: 76.017+/-1.067 χ^2 /NDF: 1882.0/19

Left In: 30.961+/-0.976 χ^2 /NDF:10.4/2

47.491+/-0.671 χ^2 /NDF: 3485.4/21

51.497+/-0.720 χ^2 /NDF: 2862.9/22

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: 1.087 $\pm$ 0.790 χ^2 /NDF: 264.8/4

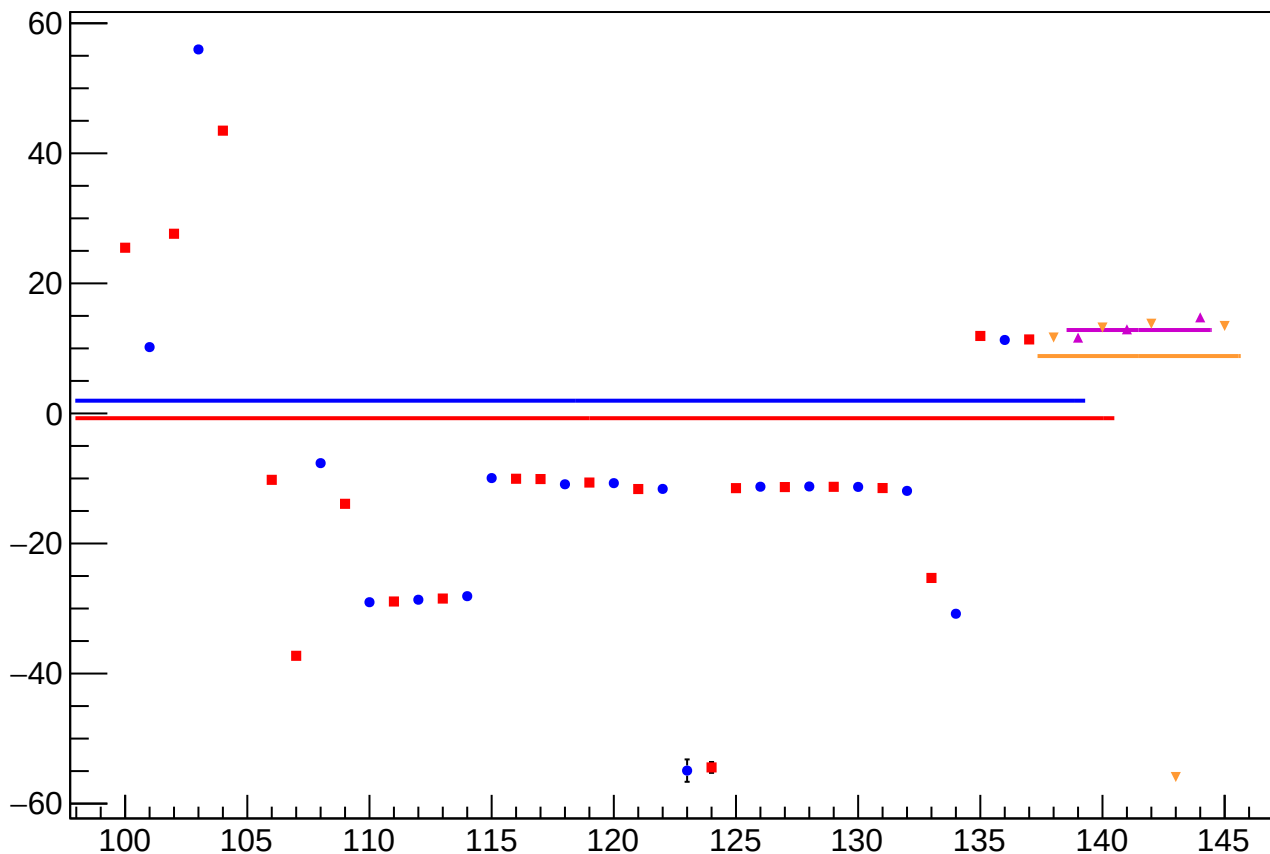
Right Out: 12.082 $\pm$ 0.663 χ^2 /NDF: 539.2/19

Left In: -1.846 $\pm$ 0.912 χ^2 /NDF: 3.1/2

7.138 $\pm$ 0.509 χ^2 /NDF: 841.7/21

7.270 $\pm$ 0.536 χ^2 /NDF: 694.9/22

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 $\pm$ 0.037 χ^2 /NDF: 358457.0/16

Left Out: 8.824 $\pm$ 0.035 χ^2 /NDF:216754.5/4

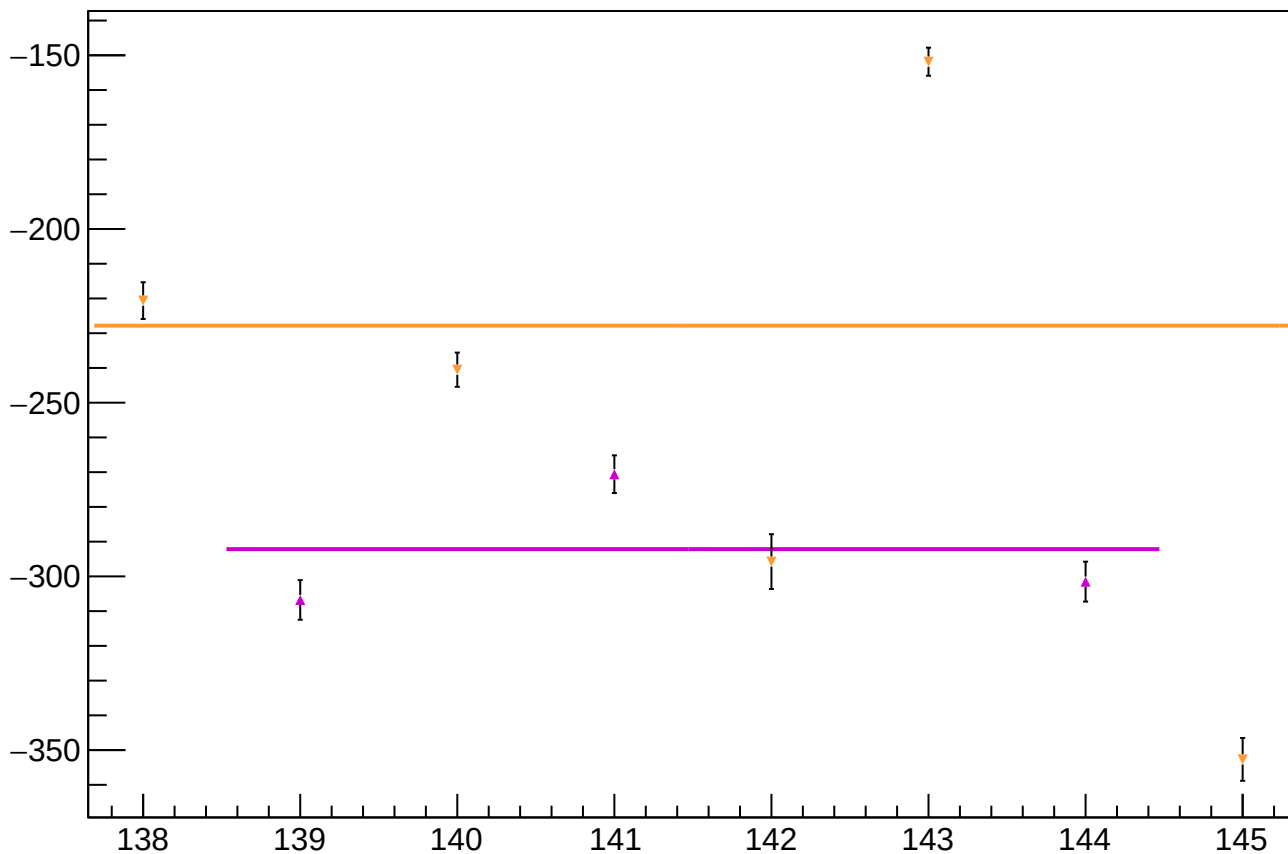
Right Out: -0.733 $\pm$ 0.037 χ^2 /NDF: 361368.4/19

Left In: 12.828 $\pm$ 0.038 χ^2 /NDF:1058.9/2

5.635 $\pm$ 0.025 χ^2 /NDF: 593488.4/21

5.862 $\pm$ 0.027 χ^2 /NDF: 427536.1/22

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -227.832+/-2.353 χ^2/NDF : 847.4/4

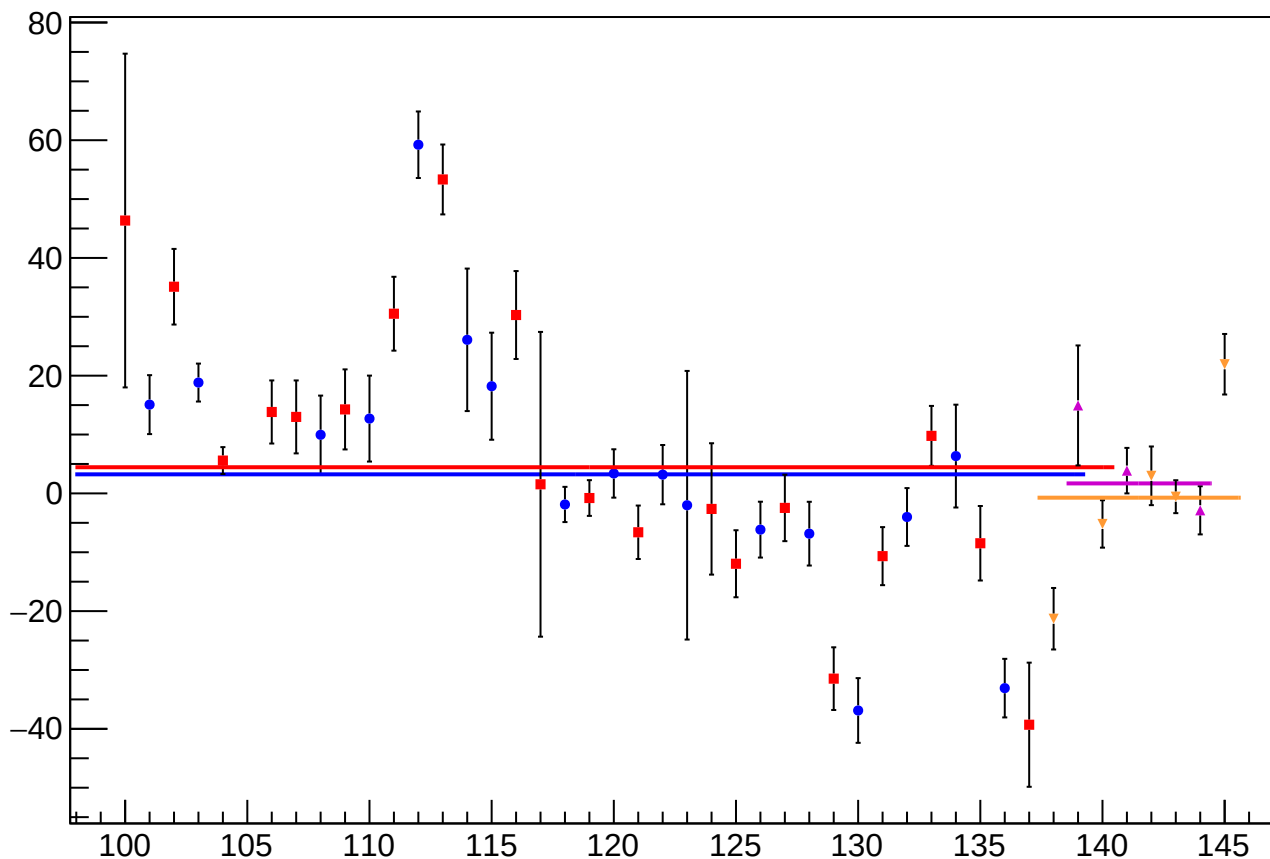
-227.832+/-2.353 χ^2/NDF : 847.4/4

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -292.158+/-3.245 χ^2/NDF : 25.0/2

-292.158+/-3.245 χ^2/NDF : 25.0/2

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 ± 1.244 $\chi^2/\text{NDF}: 255.3/16$

Left Out: -0.729 ± 1.813 $\chi^2/\text{NDF}: 36.7/4$

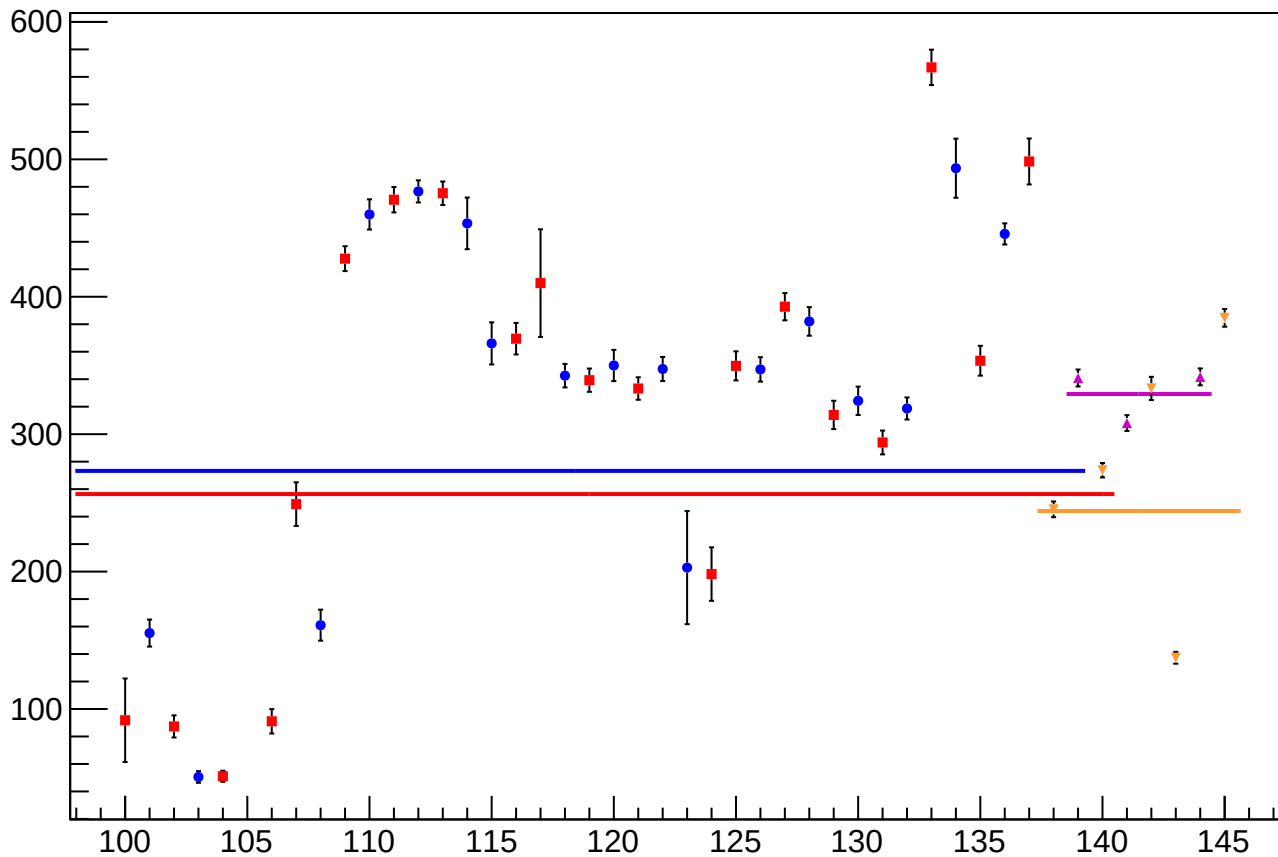
Right Out: 4.444 ± 1.156 $\chi^2/\text{NDF}: 225.8/19$

Left In: 1.696 ± 2.708 $\chi^2/\text{NDF}: 3.3/2$

1.968 ± 1.026 $\chi^2/\text{NDF}: 295.2/21$

4.020 ± 1.063 $\chi^2/\text{NDF}: 229.9/22$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 ± 2.205 χ^2/NDF : 5101.5/16

Left Out: 244.100 ± 2.511 χ^2/NDF : 1230.7/4

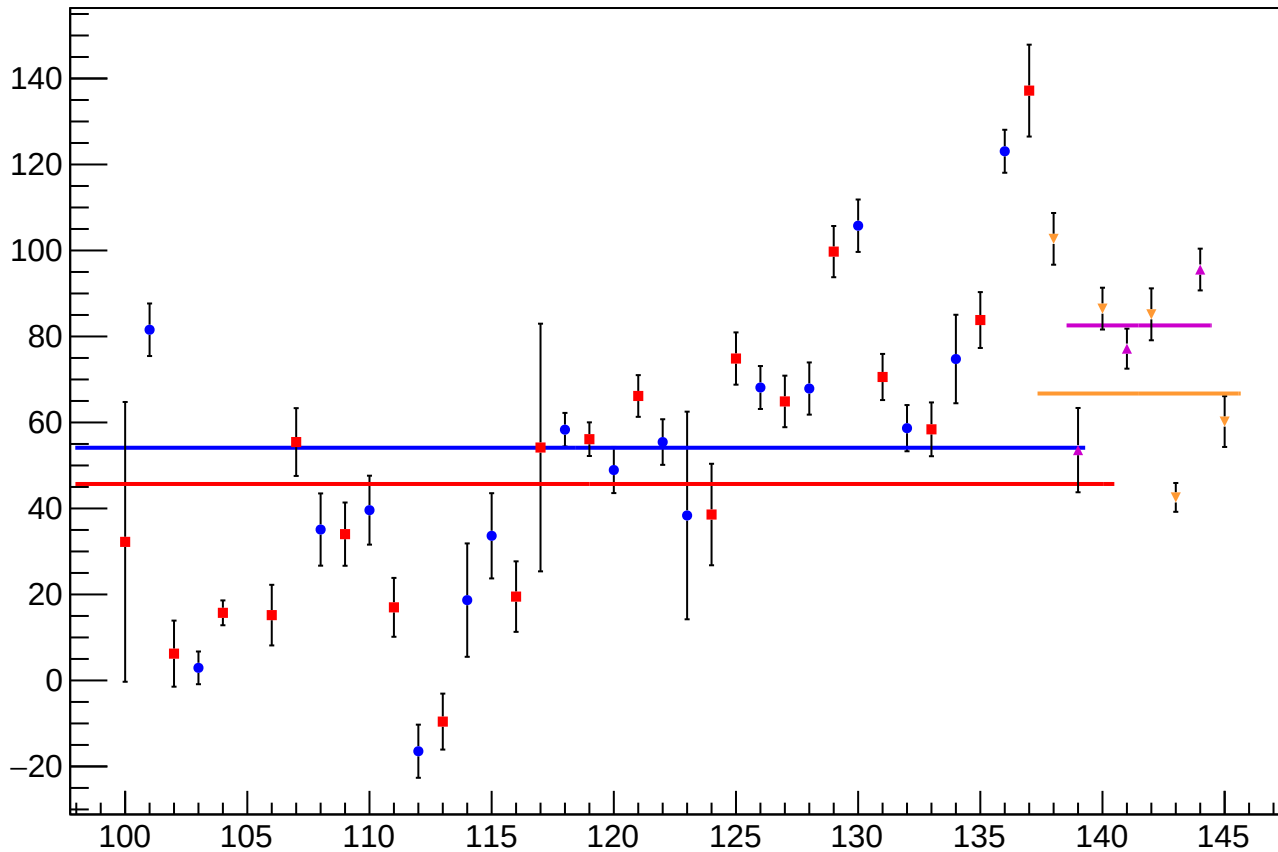
Right Out: 256.418 ± 2.077 χ^2/NDF : 6453.9/19

Left In: 329.214 ± 3.478 χ^2/NDF : 21.1/2

260.578 ± 1.657 χ^2/NDF : 6408.4/21

275.554 ± 1.783 χ^2/NDF : 6797.9/22

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119 $\pm$ 1.438 χ^2 /NDF: 633.9/16

Left Out: 66.731 $\pm$ 2.157 χ^2 /NDF:114.7/4

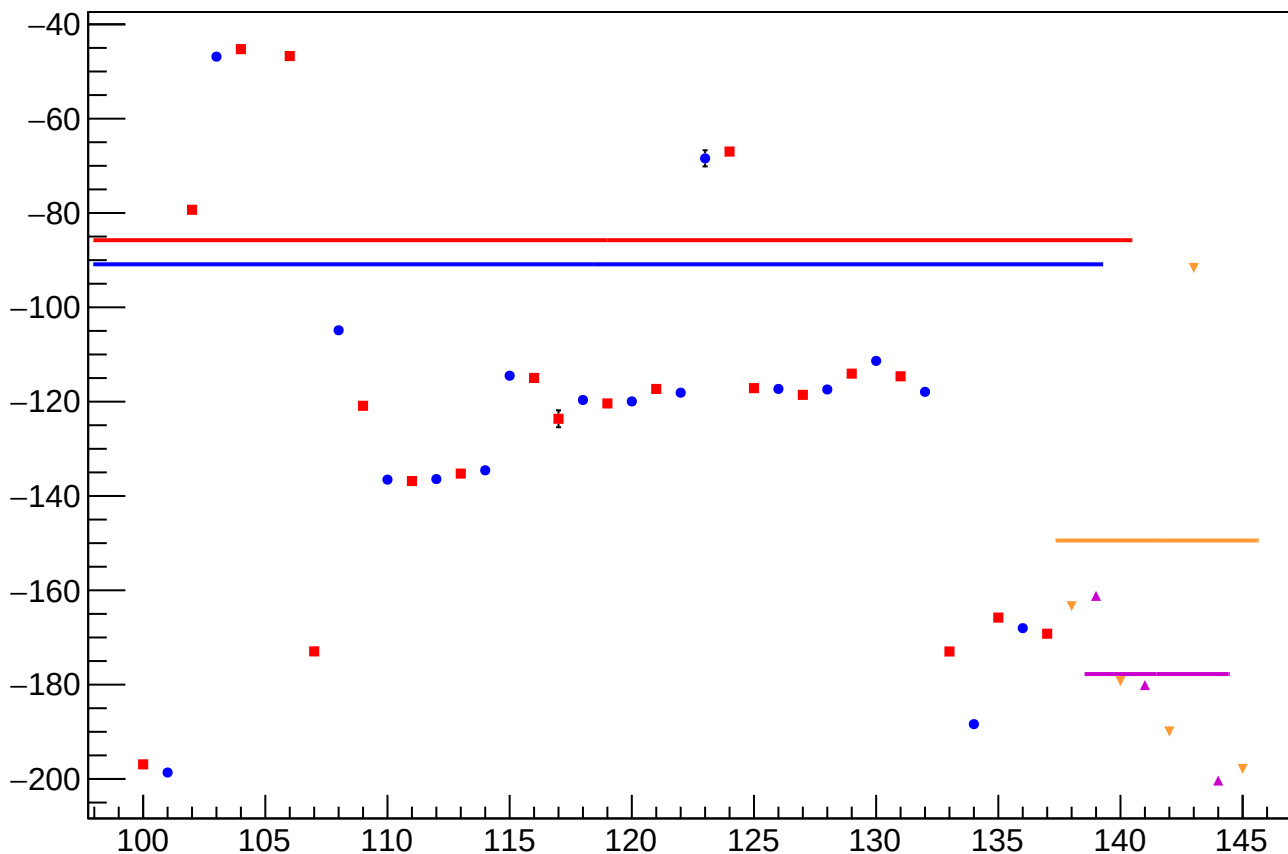
Right Out: 45.694 $\pm$ 1.356 χ^2 /NDF: 531.1/19

Left In: 82.569 $\pm$ 3.179 χ^2 /NDF:17.3/2

57.999 $\pm$ 1.196 χ^2 /NDF: 772.3/21

51.369 $\pm$ 1.247 χ^2 /NDF: 662.2/22

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881 ± 0.068 $\chi^2/\text{NDF}: 533423.8/16$

Left Out: -149.435 ± 0.102 $\chi^2/\text{NDF}: 182457.7/4$

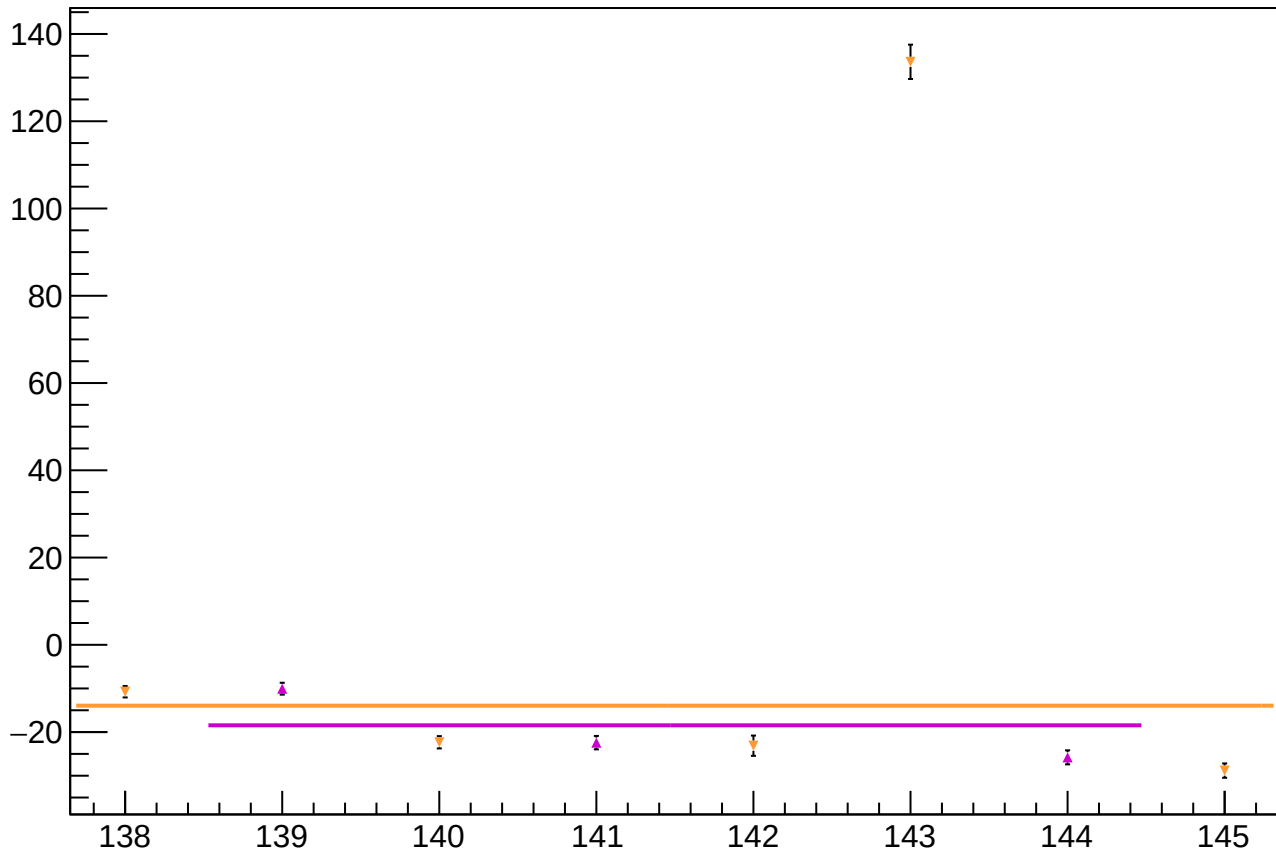
Right Out: -85.772 ± 0.065 $\chi^2/\text{NDF}: 494629.5/19$

Left In: -177.757 ± 0.137 $\chi^2/\text{NDF}: 12994.9/2$

-108.751 ± 0.056 $\chi^2/\text{NDF}: 943822.3/21$

-102.711 ± 0.059 $\chi^2/\text{NDF}: 876167.4/22$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

-13.948 $\pm$ 0.767 χ^2 /NDF: 1546.2/4

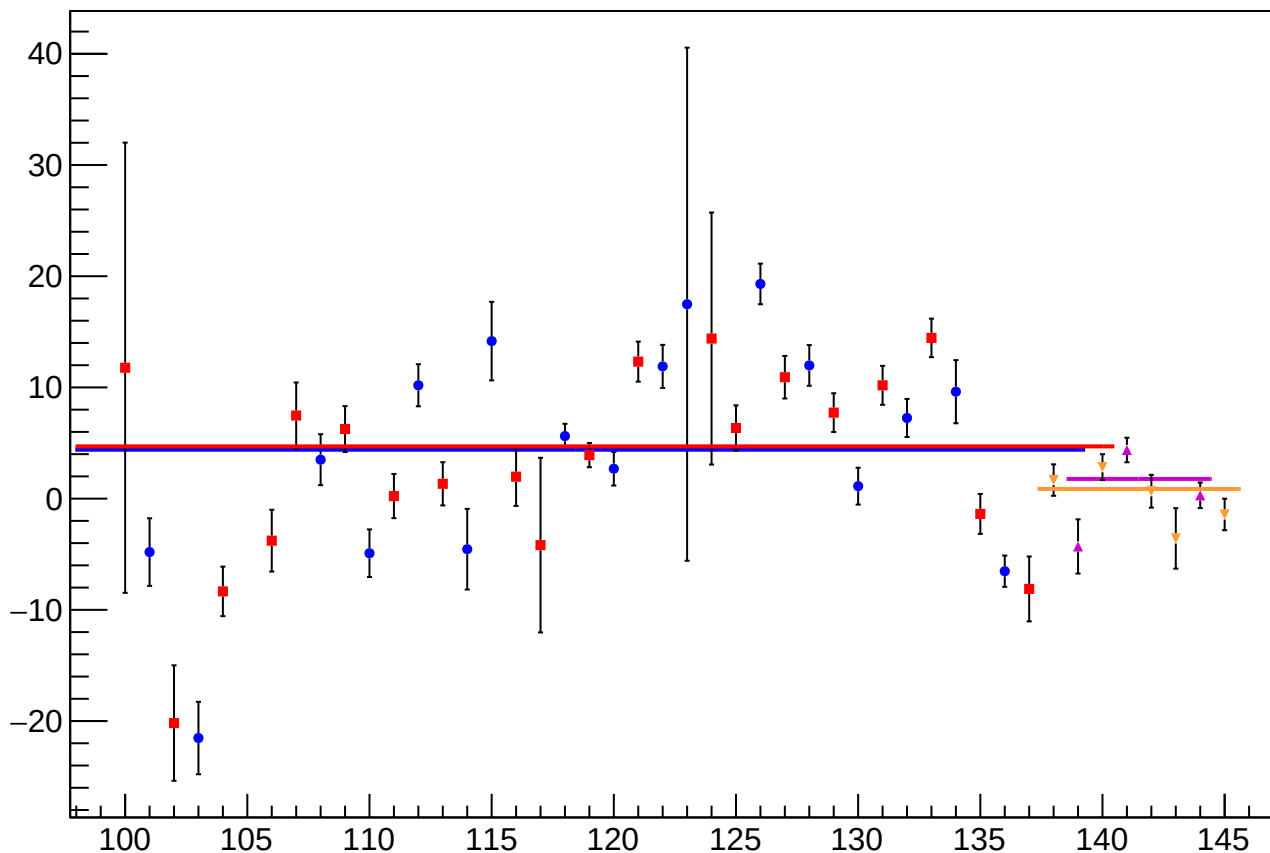
Left Out: -13.948 $\pm$ 0.767 χ^2 /NDF: 1546.2/4

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

-18.446 $\pm$ 0.861 χ^2 /NDF: 65.4/2

Left In: -18.446 $\pm$ 0.861 χ^2 /NDF: 65.4/2

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: 0.872 $\pm$ 0.656 χ^2/NDF : 8.4/4

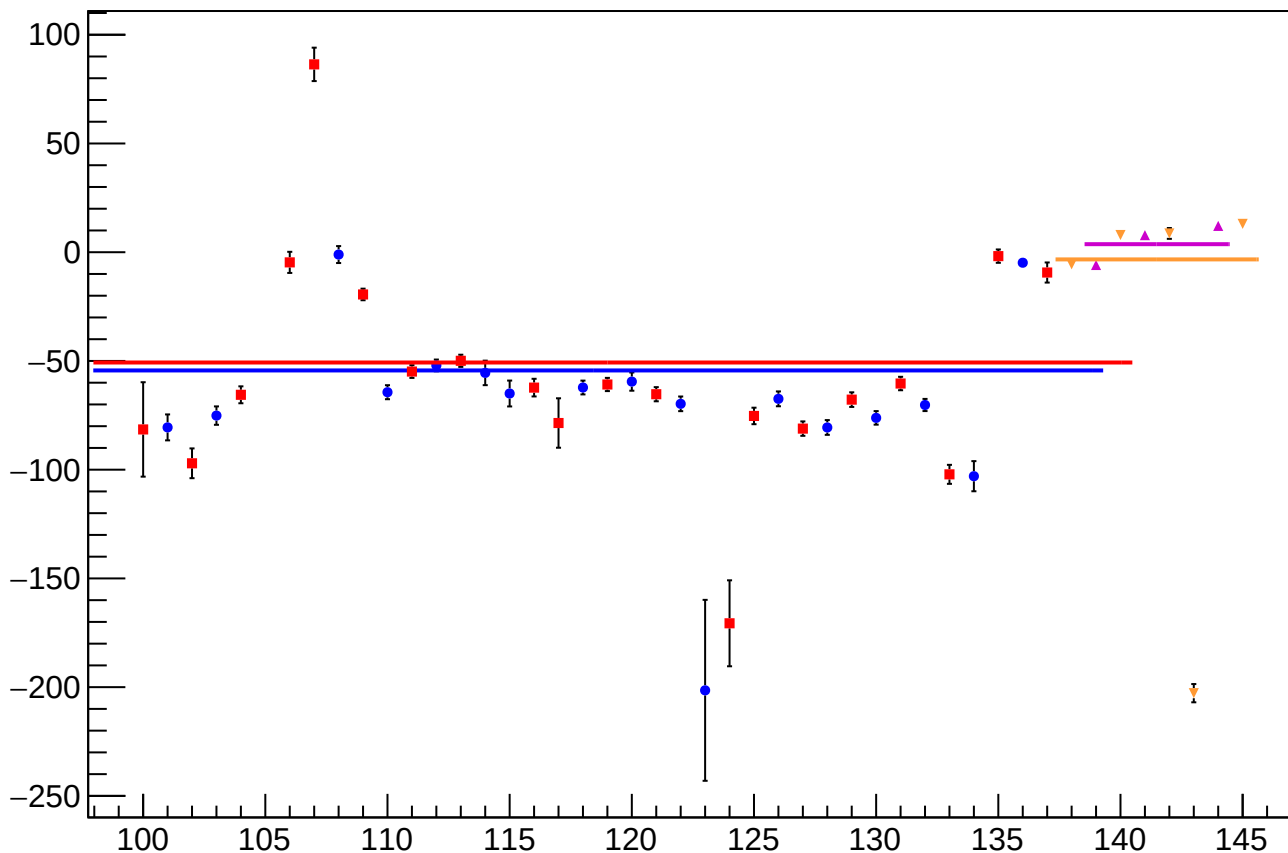
Right Out: 4.700 $\pm$ 0.472 χ^2/NDF : 184.2/19

Left In: 1.772 $\pm$ 0.757 χ^2/NDF : 13.4/2

3.199 $\pm$ 0.383 χ^2/NDF : 314.4/21

3.880 $\pm$ 0.401 χ^2/NDF : 208.3/22

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.365 ± 0.868 $\chi^2/\text{NDF}: 1013.5/16$

Left Out: -3.307 ± 0.818 $\chi^2/\text{NDF}: 2429.2/4$

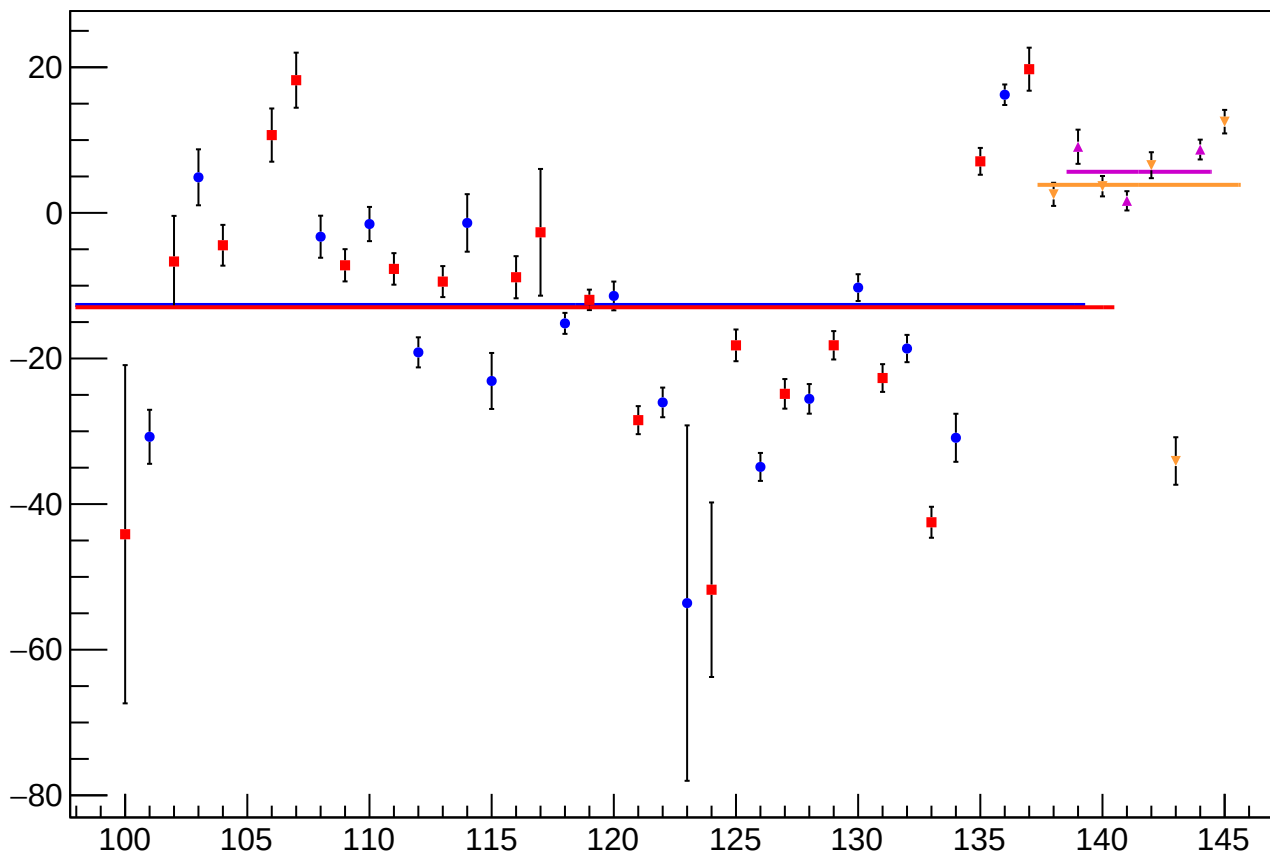
Right Out: -50.712 ± 0.855 $\chi^2/\text{NDF}: 1327.3/19$

Left In: 3.698 ± 0.925 $\chi^2/\text{NDF}: 72.3/2$

-27.324 ± 0.595 $\chi^2/\text{NDF}: 5274.2/21$

-25.628 ± 0.628 $\chi^2/\text{NDF}: 3266.3/22$

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: 3.851 ± 0.767 χ^2/NDF : 166.9/4

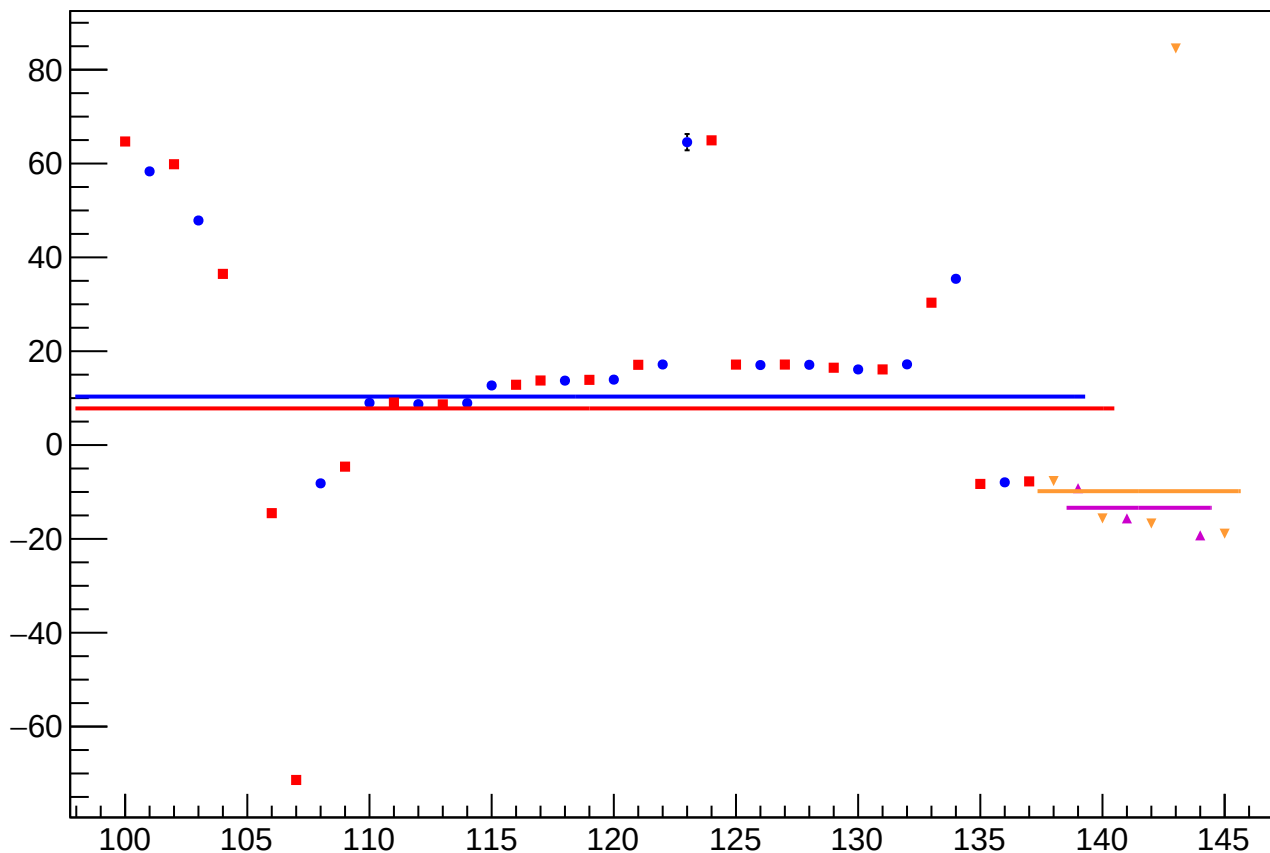
Right Out: -12.965 ± 0.536 χ^2/NDF : 722.8/19

Left In: 5.643 ± 0.880 χ^2/NDF : 16.2/2

-7.234 ± 0.440 χ^2/NDF : 1265.9/21

-7.922 ± 0.458 χ^2/NDF : 1065.1/22

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330 $\pm$ 0.031 χ^2 /NDF: 380857.1/16

Left Out: -9.832 $\pm$ 0.033 χ^2 /NDF: 346292.9/4

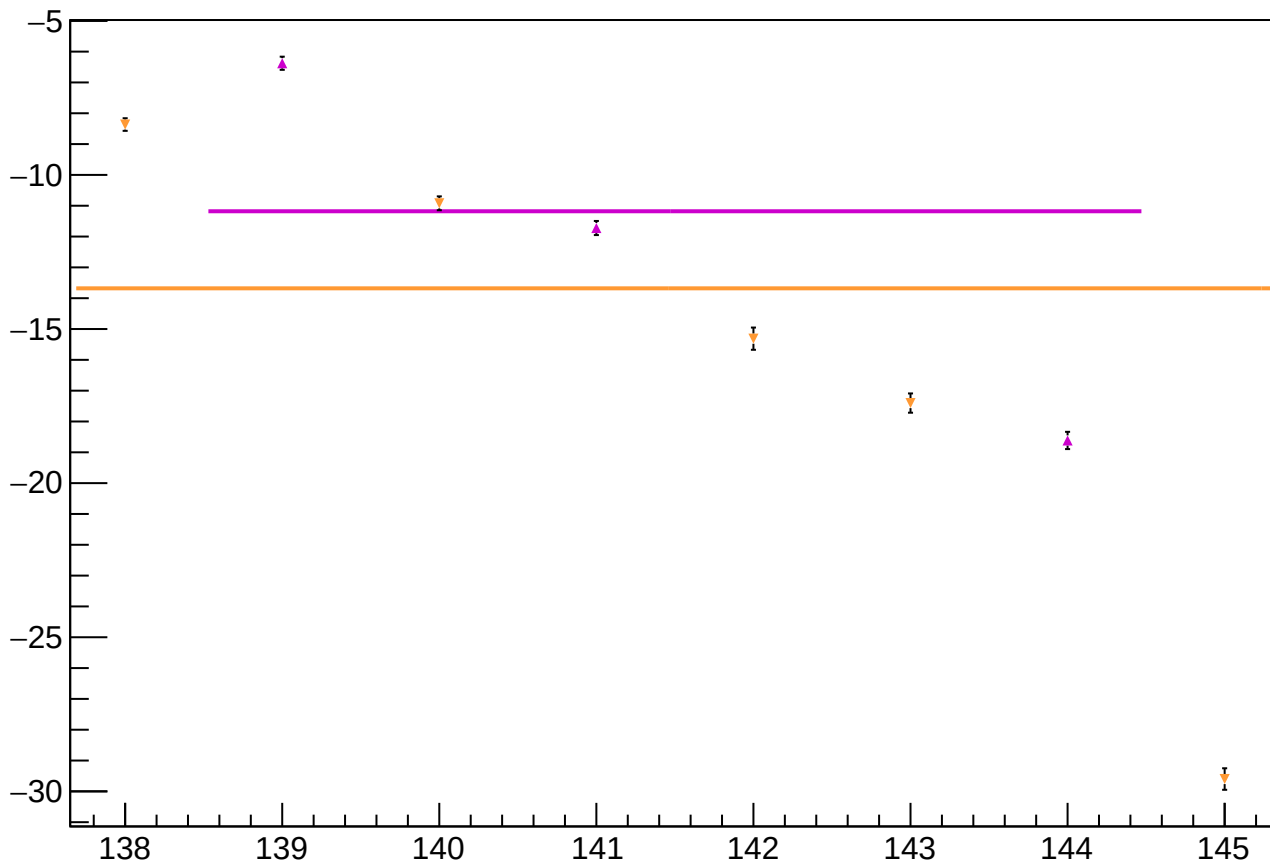
Right Out: 7.808 $\pm$ 0.031 χ^2 /NDF: 544249.7/19

Left In: -13.372 $\pm$ 0.036 χ^2 /NDF: 13789.7/2

0.989 $\pm$ 0.022 χ^2 /NDF: 927288.7/21

-1.348 $\pm$ 0.024 χ^2 /NDF: 756618.6/22

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -13.680+/-0.120 χ^2/NDF : 3064.3/4

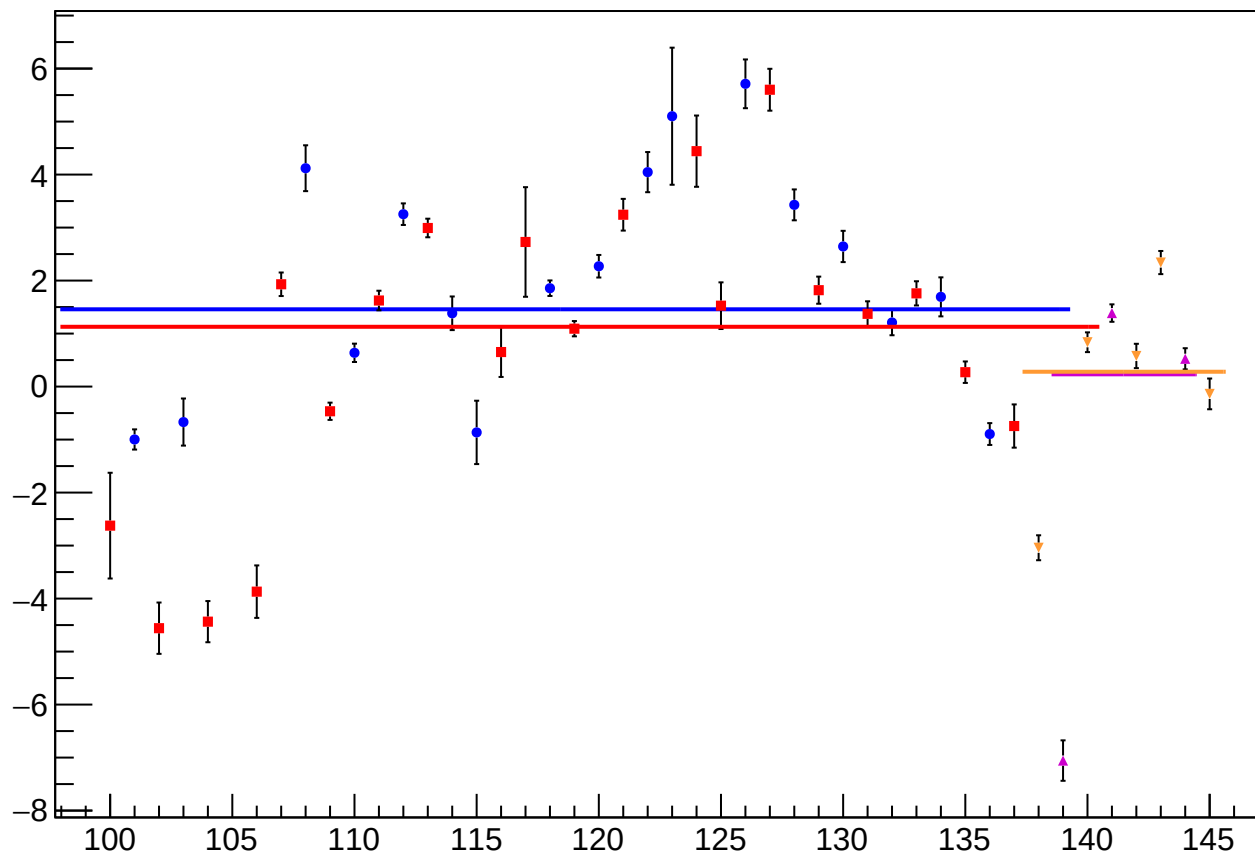
-13.680+/-0.120 χ^2/NDF : 3064.3/4

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-11.180+/-0.136 χ^2/NDF : 1216.9/2

Left In: -11.180+/-0.136 χ^2/NDF : 1216.9/2

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 $\pm$ 0.062 χ^2 /NDF: 698.2/16

Left Out: 0.280 $\pm$ 0.101 χ^2 /NDF:300.7/4

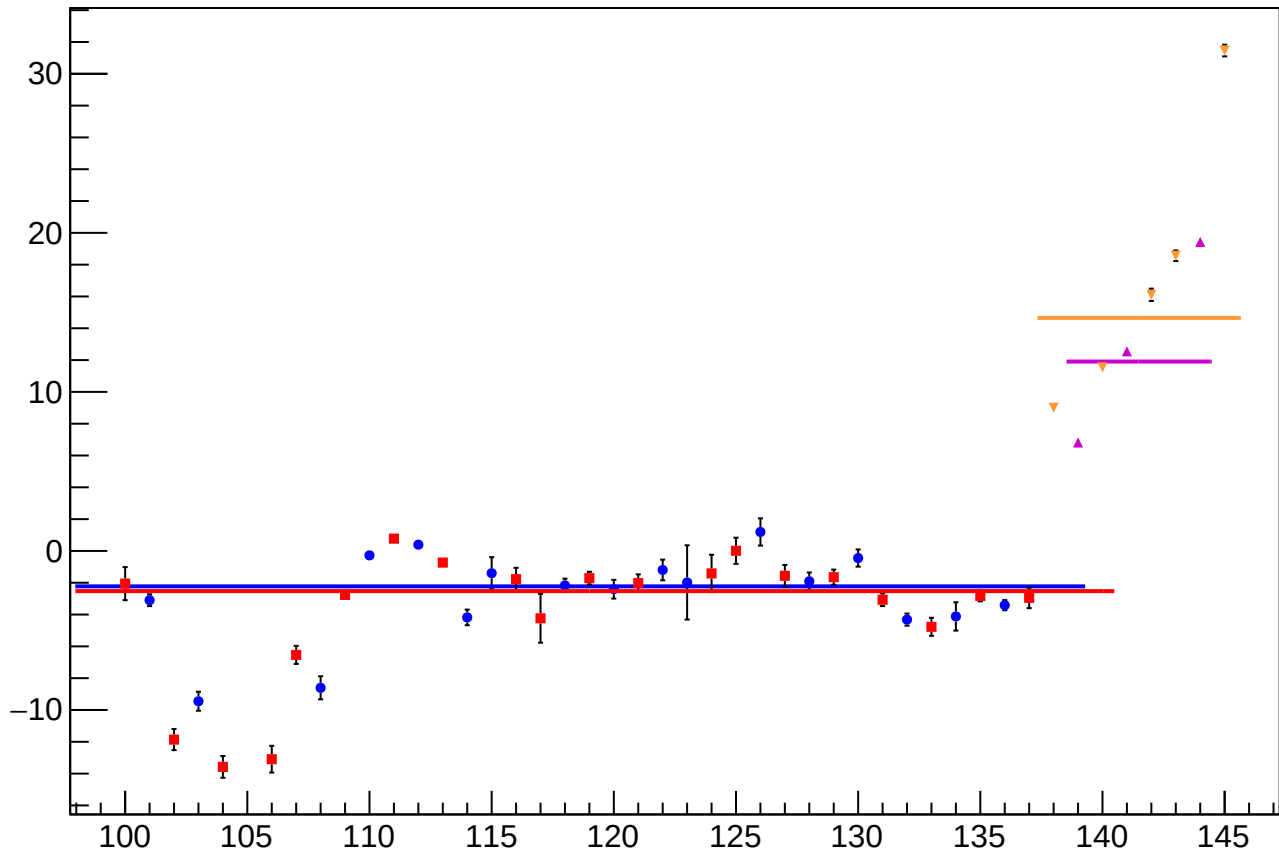
Right Out: 1.128 $\pm$ 0.058 χ^2 /NDF: 949.8/19

Left In: 0.231 $\pm$ 0.120 χ^2 /NDF:416.4/2

1.135 $\pm$ 0.053 χ^2 /NDF: 1098.3/21

0.959 $\pm$ 0.052 χ^2 /NDF: 1411.2/22

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 $\pm$ 0.111 χ^2 /NDF: 460.4/16

Left Out: 14.651 $\pm$ 0.128 χ^2 /NDF:3039.2/4

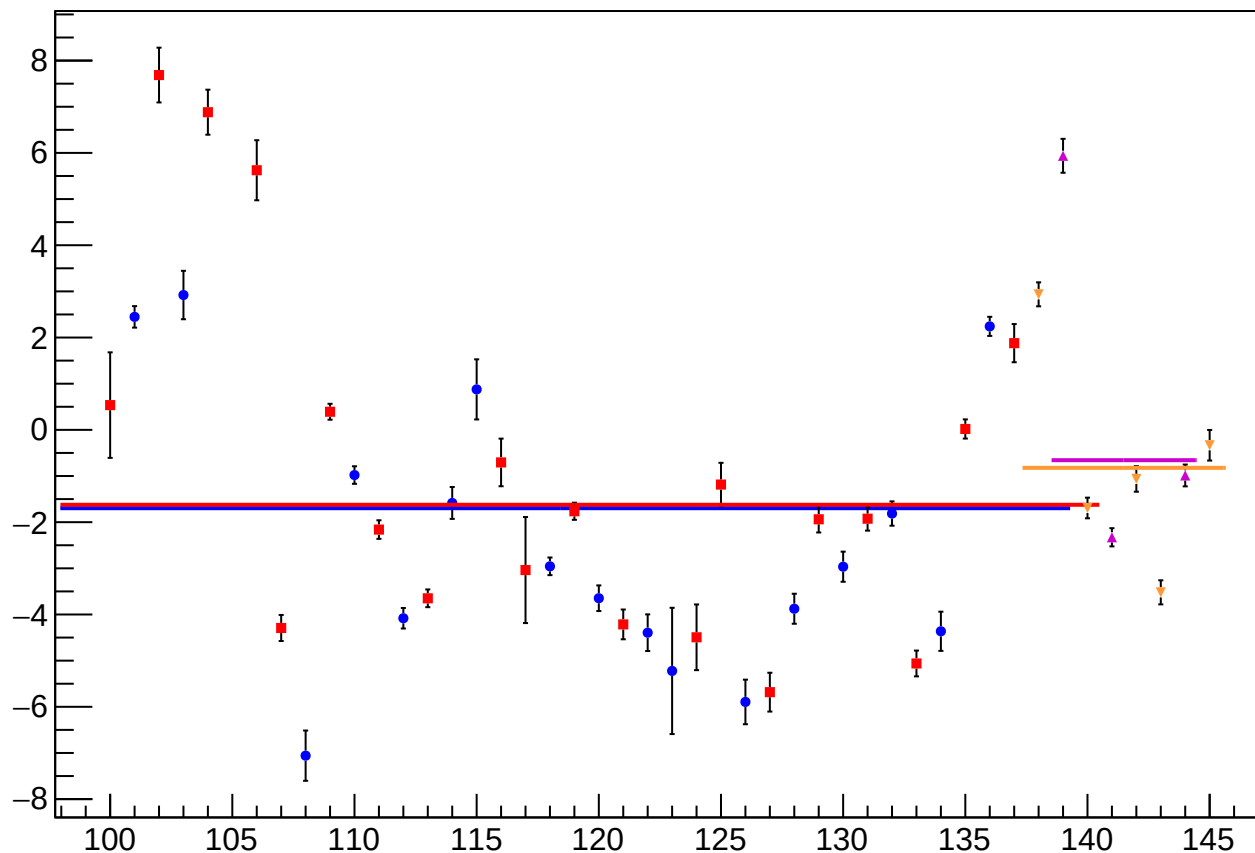
Right Out: -2.527 $\pm$ 0.099 χ^2 /NDF: 905.2/19

Left In: 11.907 $\pm$ 0.146 χ^2 /NDF:1122.2/2

5.012 $\pm$ 0.084 χ^2 /NDF: 13371.3/21

1.993 $\pm$ 0.082 χ^2 /NDF: 8715.5/22

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697+/-0.071 χ^2 /NDF: 1319.4/16

Left Out: -0.823+/-0.118 χ^2 /NDF:334.4/4

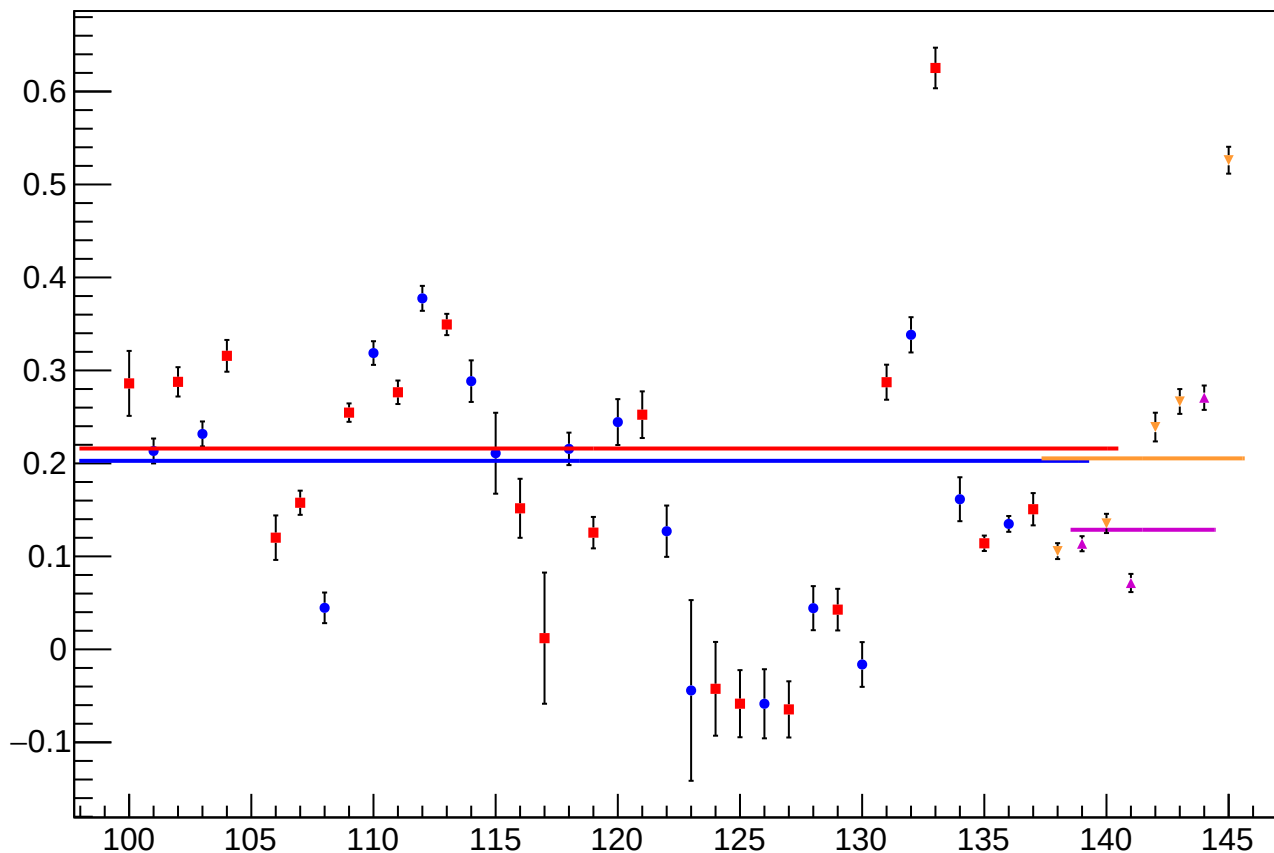
Right Out: -1.623+/-0.066 χ^2 /NDF: 1490.8/19

Left In: -0.657+/-0.140 χ^2 /NDF:396.2/2

-1.465+/-0.061 χ^2 /NDF: 1694.0/21

-1.449+/-0.059 χ^2 /NDF: 1926.0/22

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: 0.205 $\pm$ 0.005 χ^2/NDF : 700.5/4

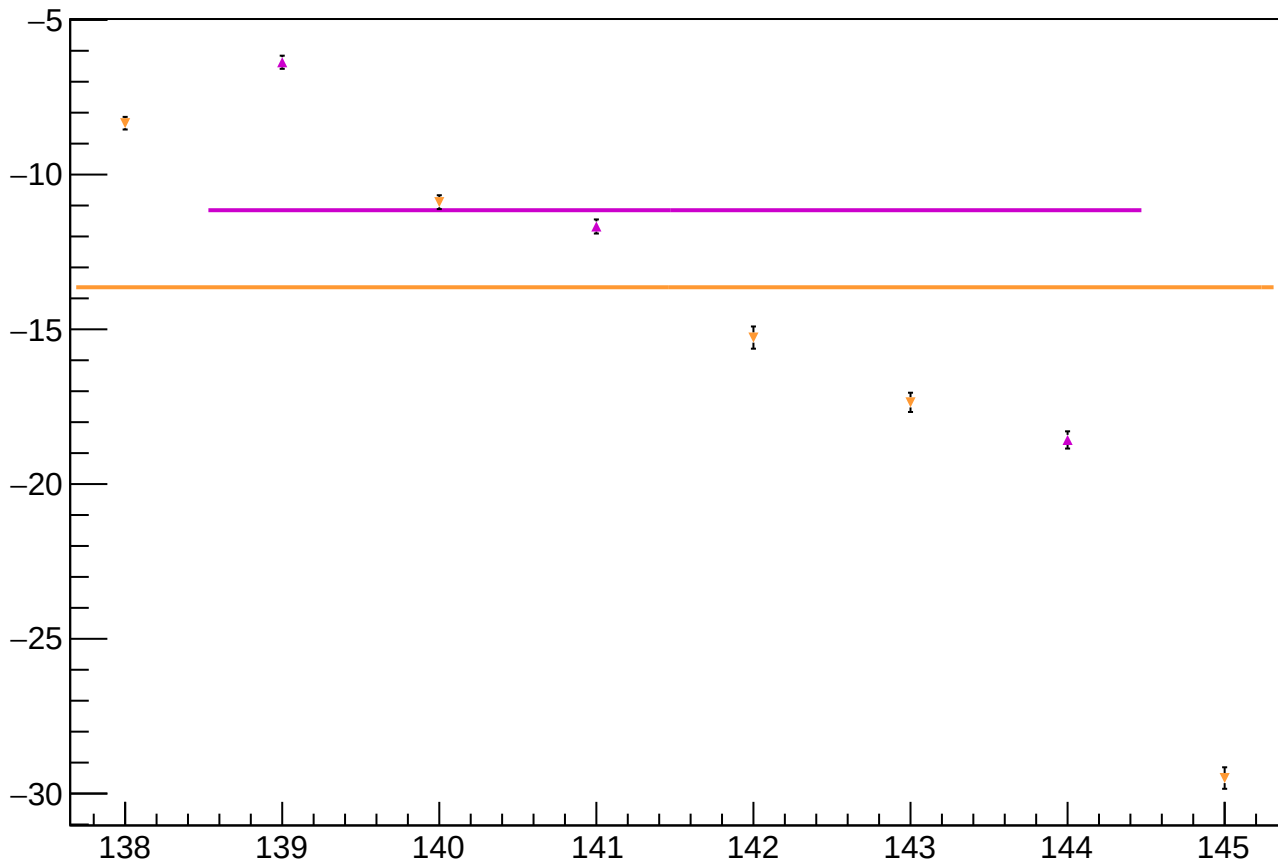
Right Out: 0.216 $\pm$ 0.004 χ^2/NDF : 1072.8/19

Left In: 0.129 $\pm$ 0.006 χ^2/NDF : 155.3/2

0.204 $\pm$ 0.003 χ^2/NDF : 1377.2/21

0.190 $\pm$ 0.003 χ^2/NDF : 1396.3/22

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -13.641+/-0.119 χ^2/NDF : 3071.3/4

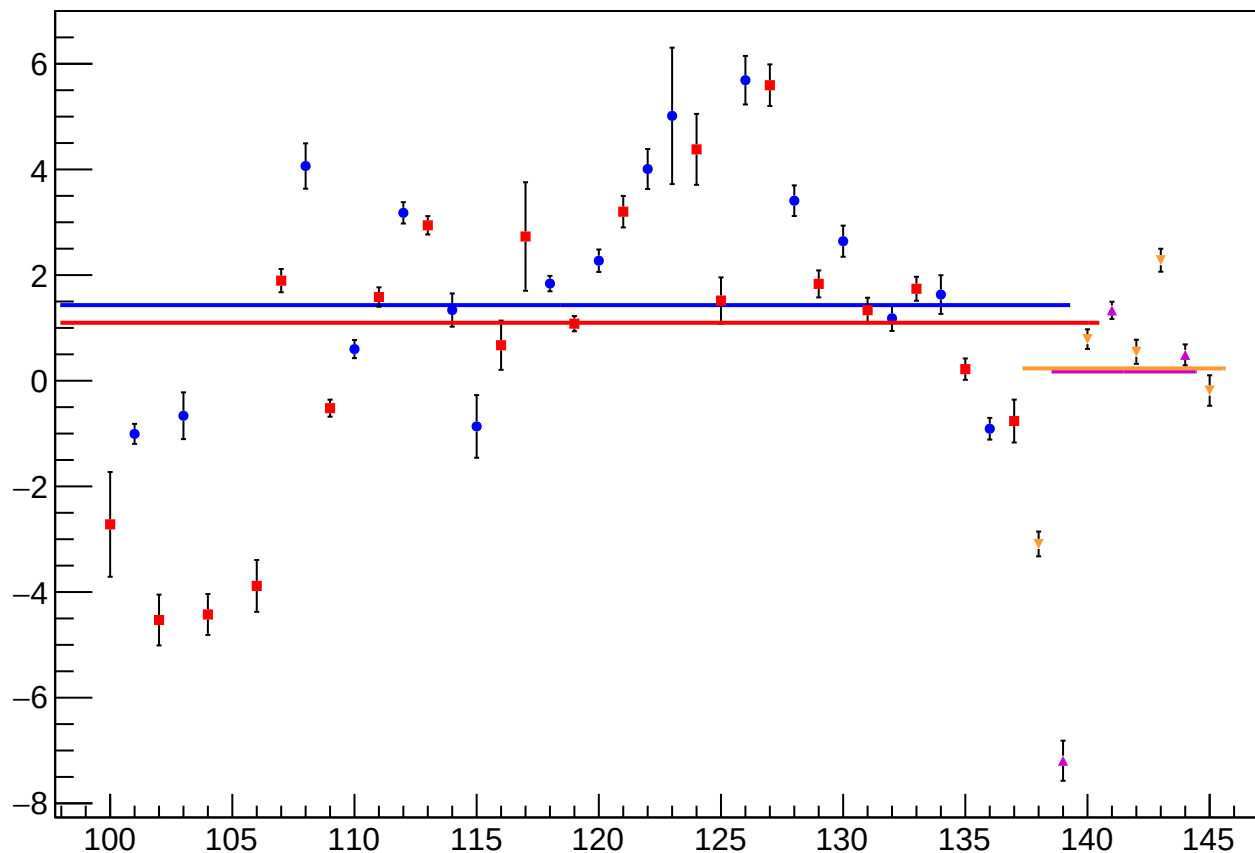
-13.641+/-0.119 χ^2/NDF : 3071.3/4

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-11.152+/-0.136 χ^2/NDF : 1220.4/2

Left In: -11.152+/-0.136 χ^2/NDF : 1220.4/2

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 0.233 ± 0.100 χ^2/NDF : 302.8/4

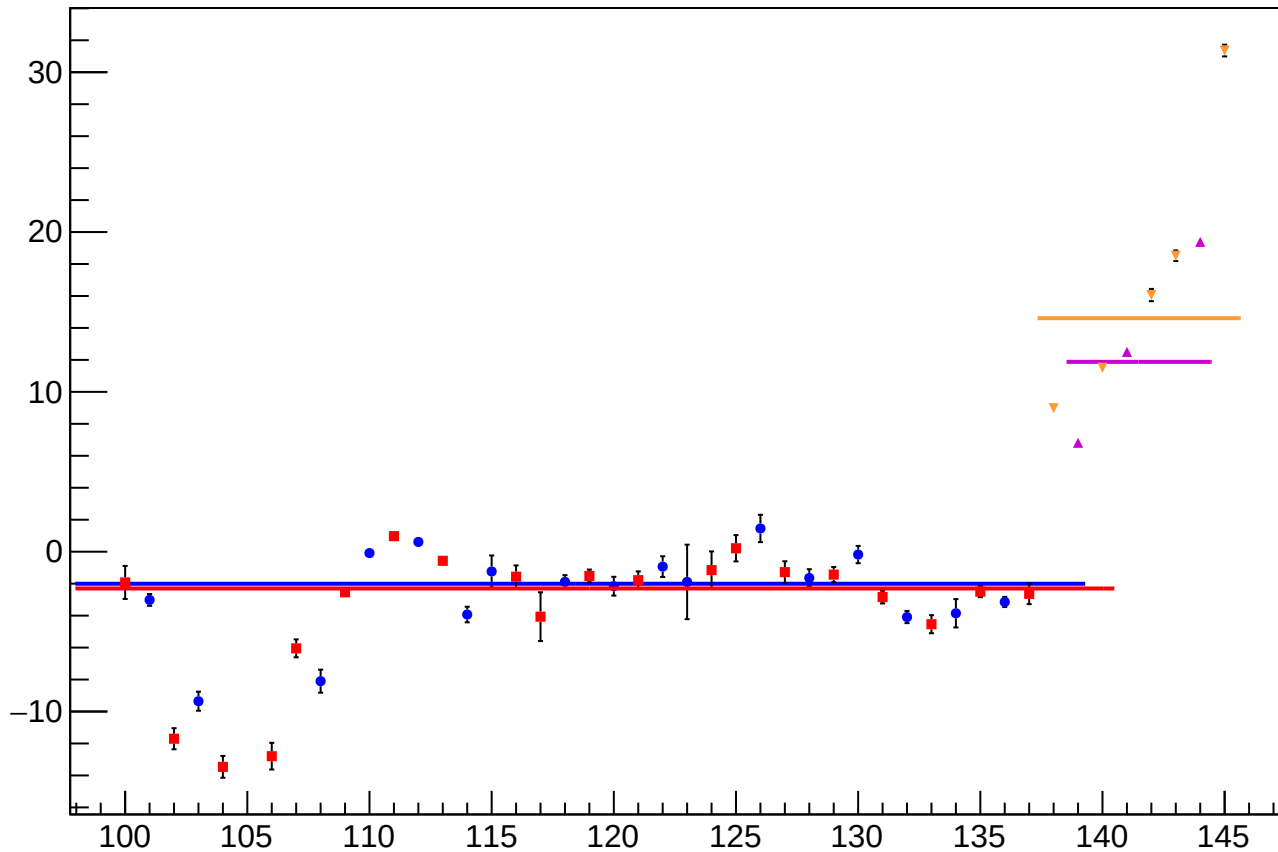
Right Out: 1.098 ± 0.058 χ^2/NDF : 955.7/19

Left In: 0.176 ± 0.120 χ^2/NDF : 428.6/2

1.103 ± 0.053 χ^2/NDF : 1103.1/21

0.924 ± 0.052 χ^2/NDF : 1432.3/22

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 14.611 ± 0.128 χ^2/NDF : 3046.5/4

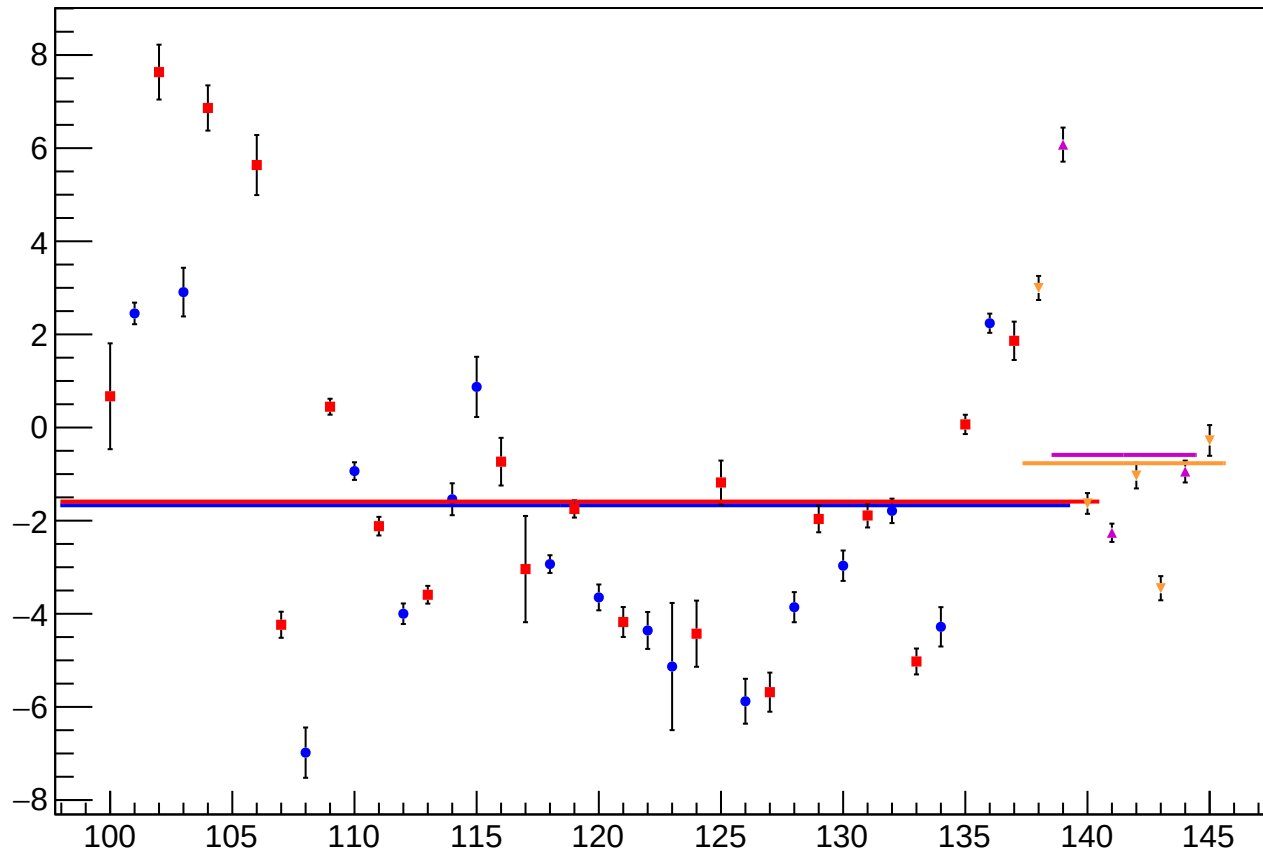
Right Out: -2.302 ± 0.098 χ^2/NDF : 908.6/19

Left In: 11.878 ± 0.146 χ^2/NDF : 1125.1/2

5.119 ± 0.084 χ^2/NDF : 13165.5/21

2.133 ± 0.081 χ^2/NDF : 8548.9/22

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -0.767 ± 0.118 χ^2/NDF : 336.9/4

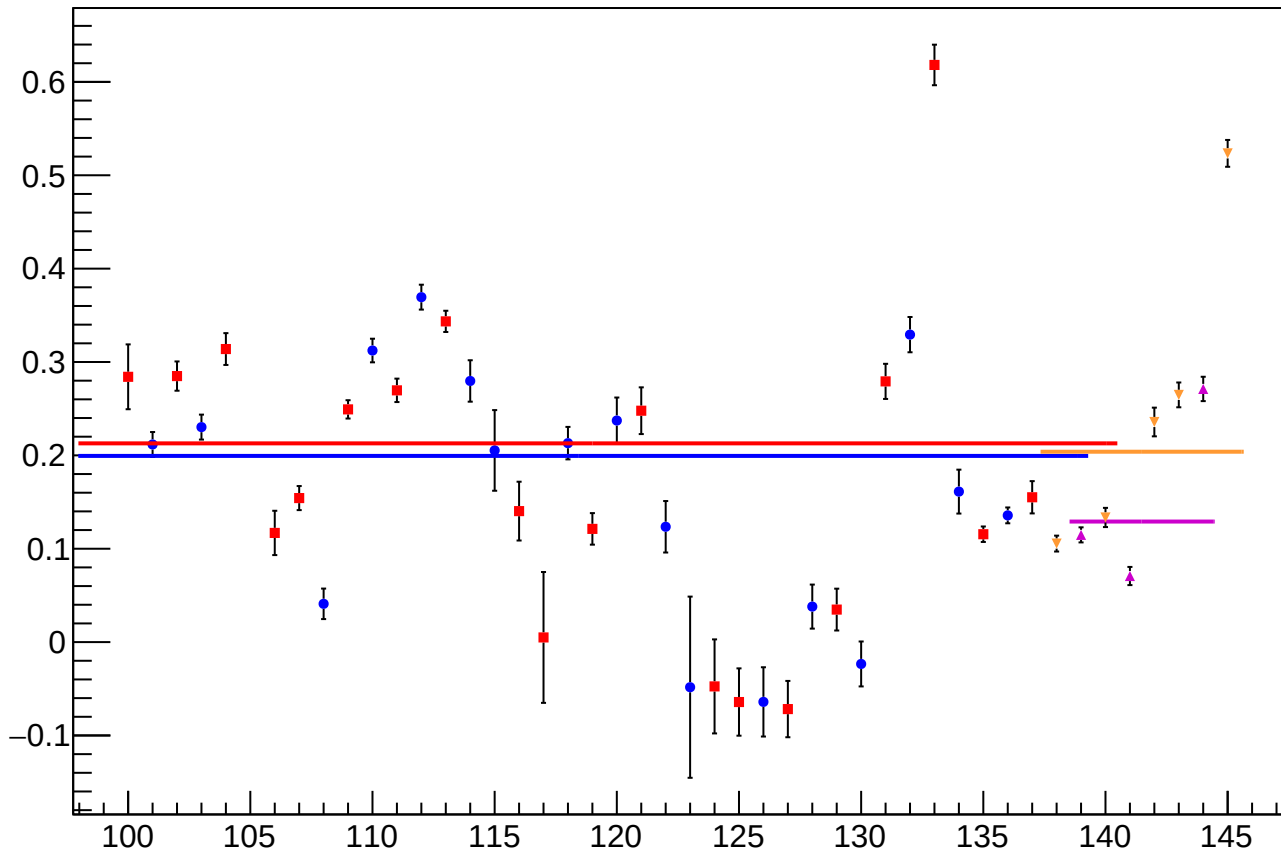
Right Out: -1.590 ± 0.065 χ^2/NDF : 1496.3/19

Left In: -0.588 ± 0.139 χ^2/NDF : 407.0/2

-1.429 ± 0.061 χ^2/NDF : 1695.1/21

-1.410 ± 0.059 χ^2/NDF : 1945.8/22

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.204 ± 0.005 χ^2/NDF : 699.6/4

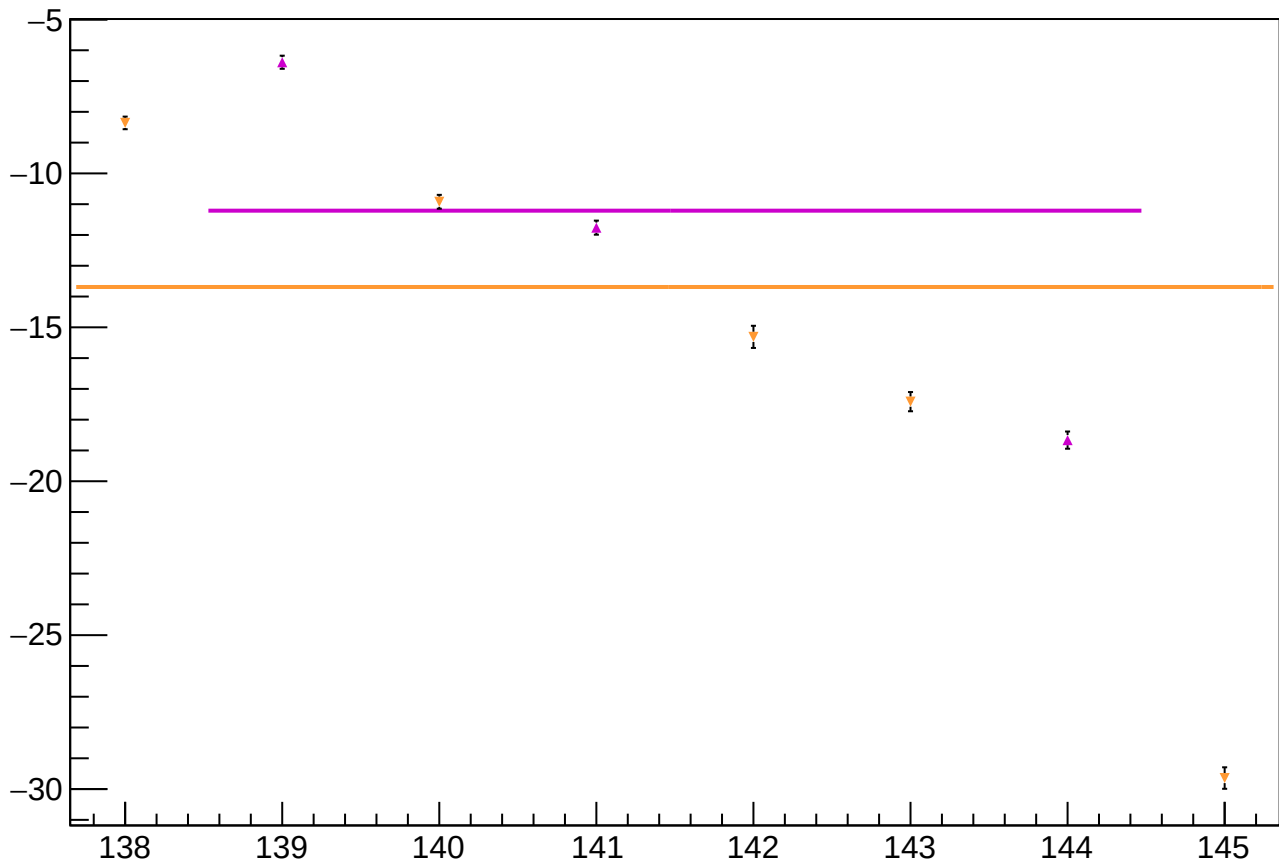
Right Out: 0.213 ± 0.004 χ^2/NDF : 1057.0/19

Left In: 0.129 ± 0.006 χ^2/NDF : 157.6/2

0.201 ± 0.003 χ^2/NDF : 1362.1/21

0.188 ± 0.003 χ^2/NDF : 1370.5/22

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -13.690+/-0.120 χ^2/NDF : 3077.3/4

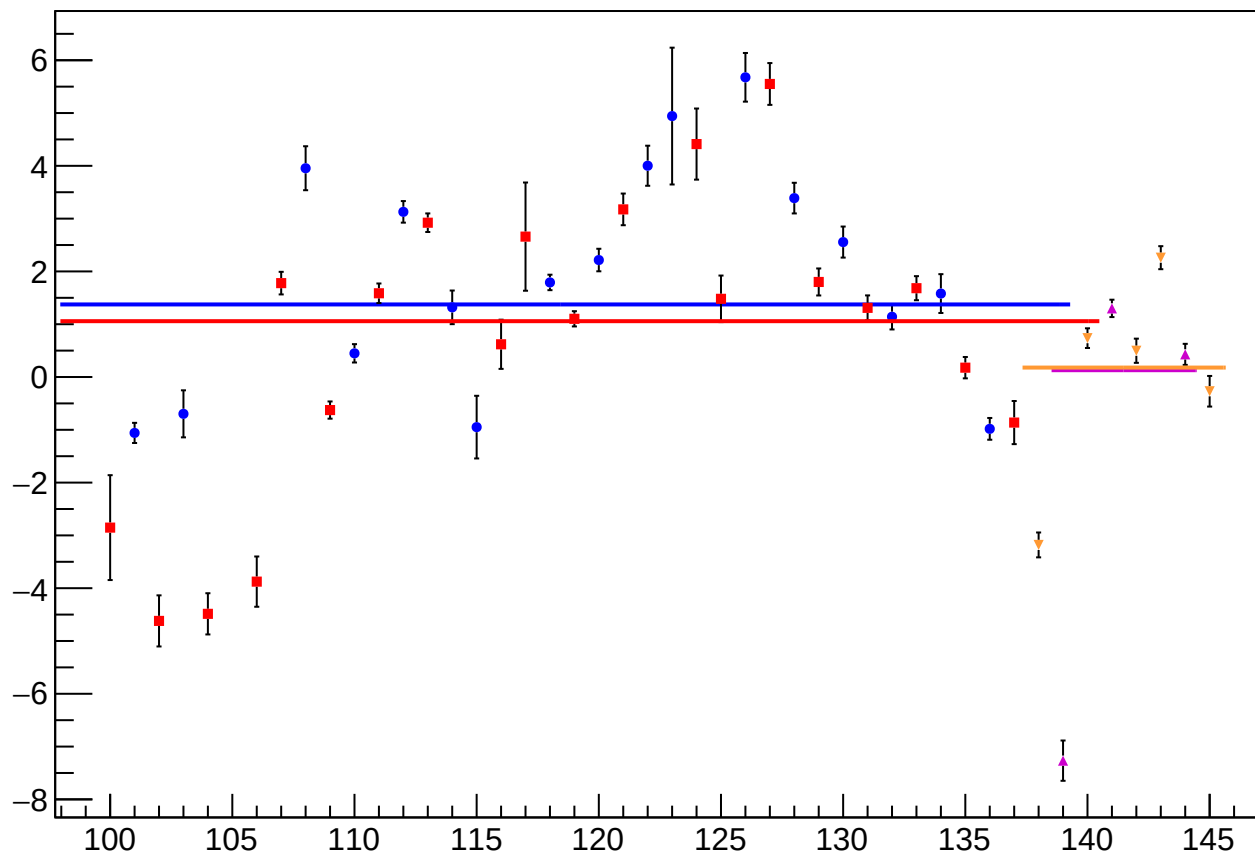
-13.690+/-0.120 χ^2/NDF : 3077.3/4

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-11.211+/-0.136 χ^2/NDF : 1224.8/2

Left In: -11.211+/-0.136 χ^2/NDF : 1224.8/2

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: 0.179 ± 0.101 χ^2/NDF : 307.8/4

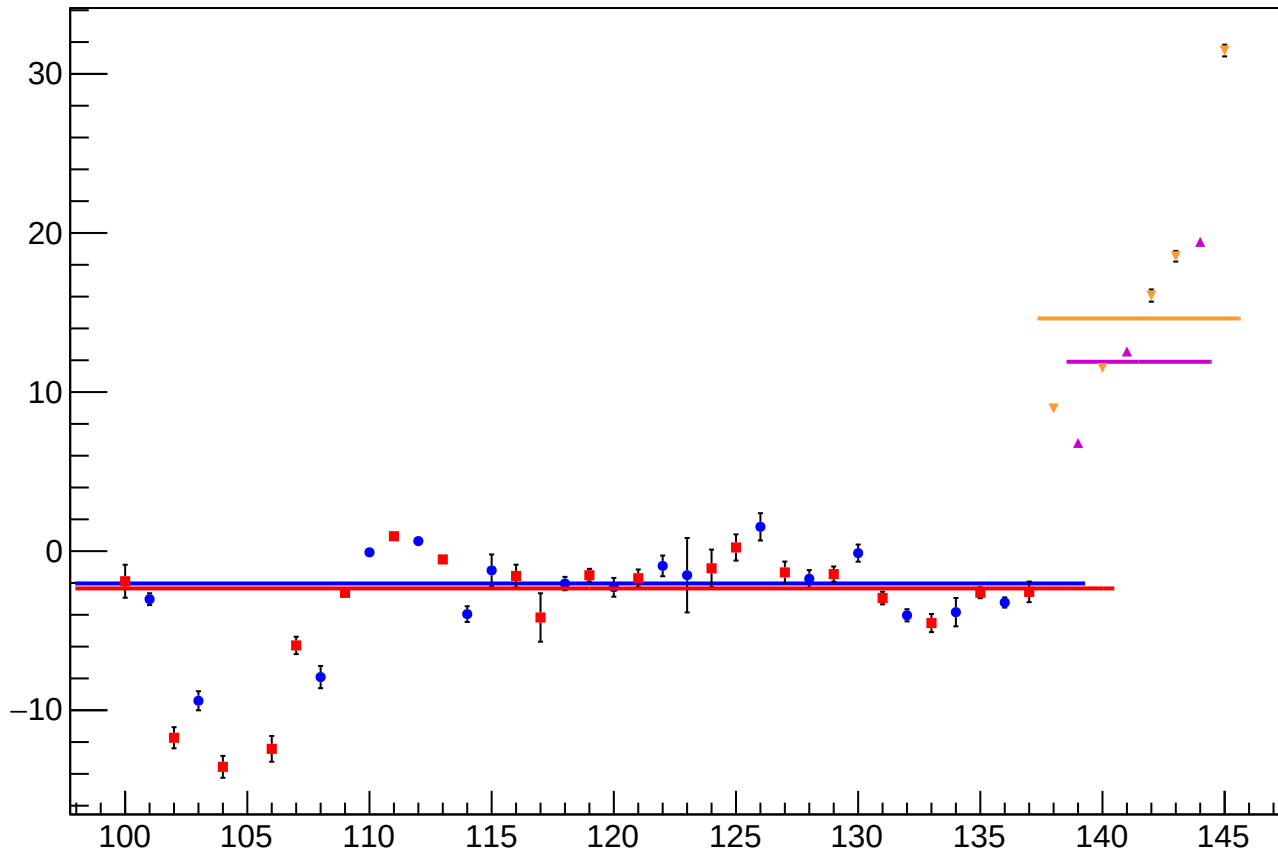
Right Out: 1.058 ± 0.058 χ^2/NDF : 966.5/19

Left In: 0.129 ± 0.120 χ^2/NDF : 428.7/2

1.046 ± 0.053 χ^2/NDF : 1112.6/21

0.883 ± 0.052 χ^2/NDF : 1443.5/22

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 14.628 ± 0.128 χ^2/NDF : 3050.4/4

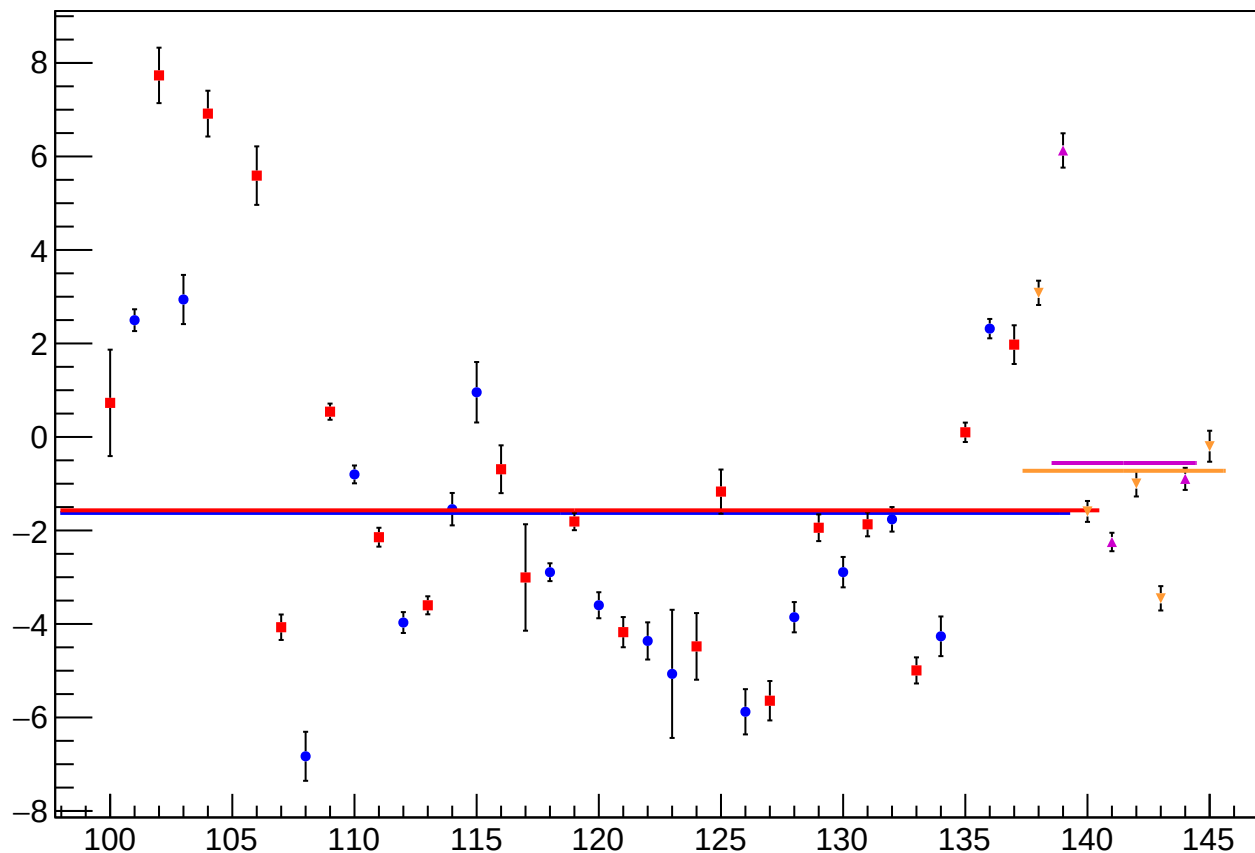
Right Out: -2.344 ± 0.099 χ^2/NDF : 903.4/19

Left In: 11.903 ± 0.146 χ^2/NDF : 1128.8/2

5.117 ± 0.084 χ^2/NDF : 13125.9/21

2.116 ± 0.082 χ^2/NDF : 8551.0/22

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625+/-0.071 χ^2/NDF : 1320.8/16

Left Out: -0.724+/-0.118 χ^2/NDF : 342.7/4

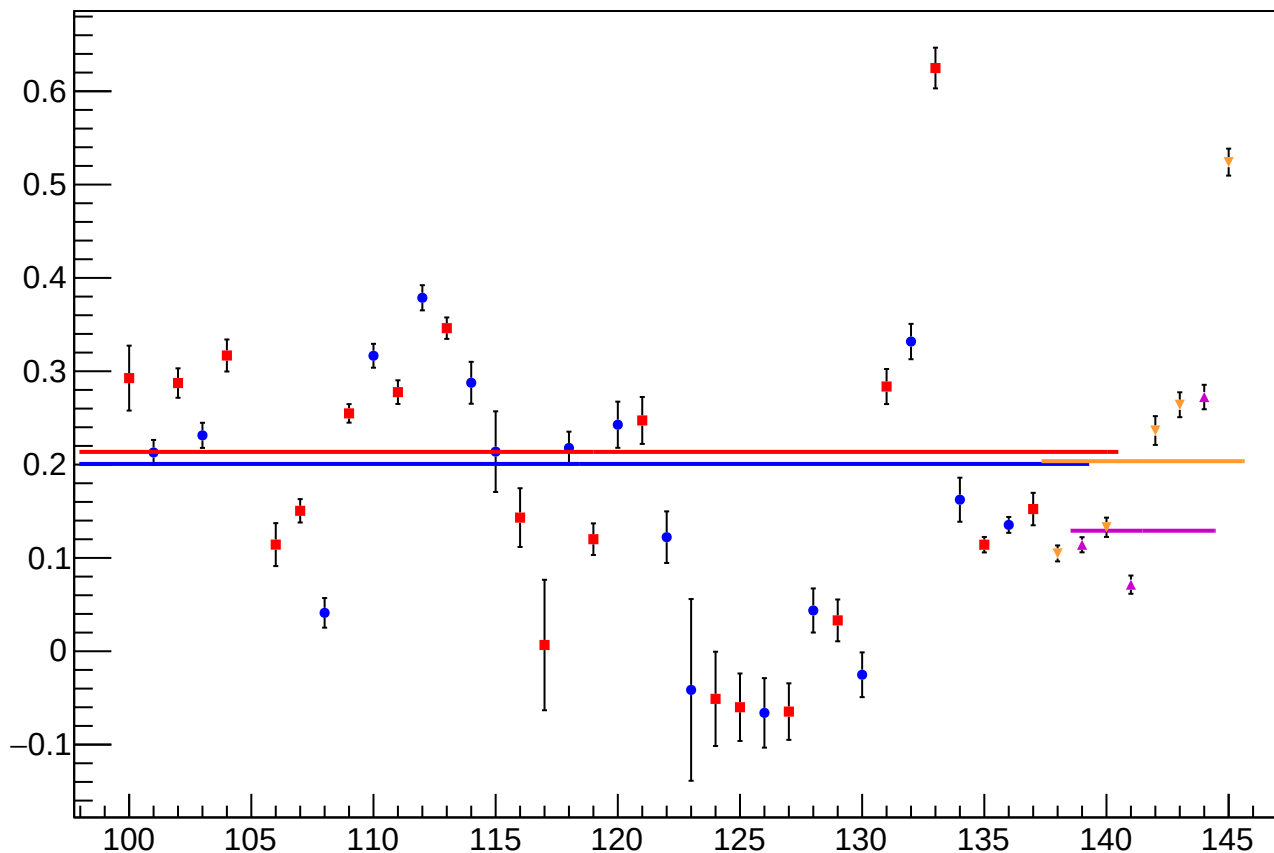
Right Out: -1.570+/-0.065 χ^2/NDF : 1507.4/19

Left In: -0.557+/-0.140 χ^2/NDF : 407.0/2

-1.385+/-0.061 χ^2/NDF : 1706.2/21

-1.388+/-0.059 χ^2/NDF : 1957.3/22

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.204 ± 0.005 χ^2/NDF : 697.5/4

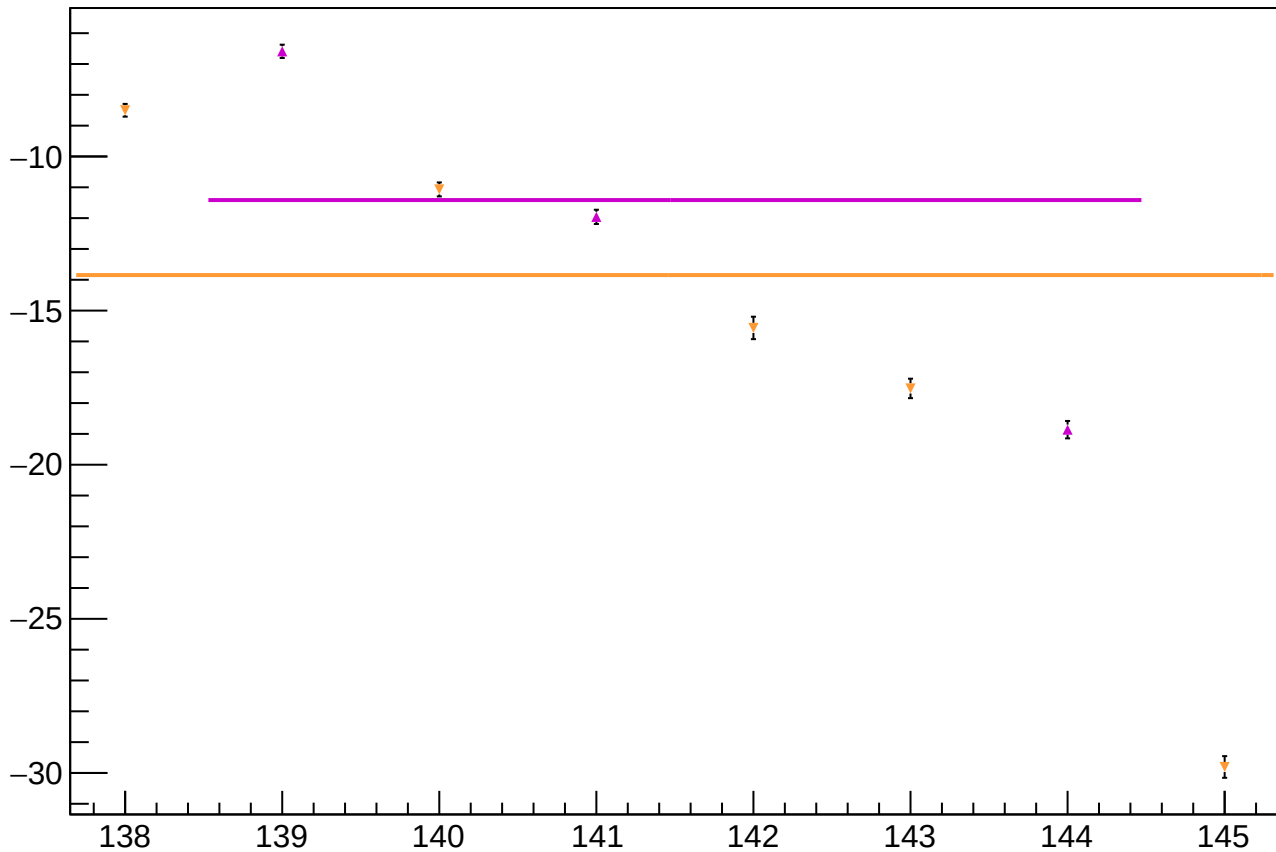
Right Out: 0.214 ± 0.004 χ^2/NDF : 1089.2/19

Left In: 0.129 ± 0.006 χ^2/NDF : 158.0/2

0.202 ± 0.003 χ^2/NDF : 1388.3/21

0.188 ± 0.003 χ^2/NDF : 1404.6/22

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -13.848+/-0.121 χ^2/NDF : 3036.6/4

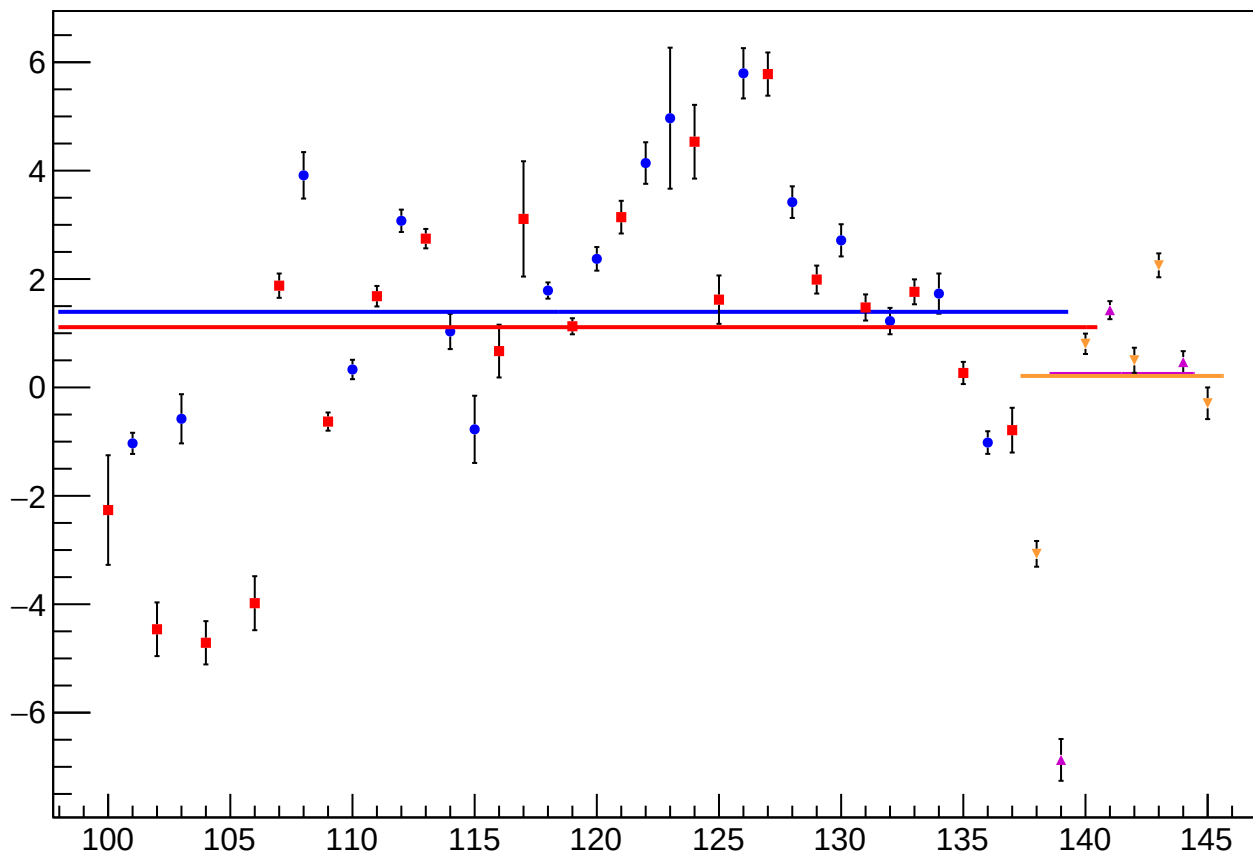
-13.848+/-0.121 χ^2/NDF : 3036.6/4

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-11.414+/-0.138 χ^2/NDF : 1201.4/2

Left In: -11.414+/-0.138 χ^2/NDF : 1201.4/2

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: 0.212 $\pm$ 0.102 χ^2/NDF : 291.2/4

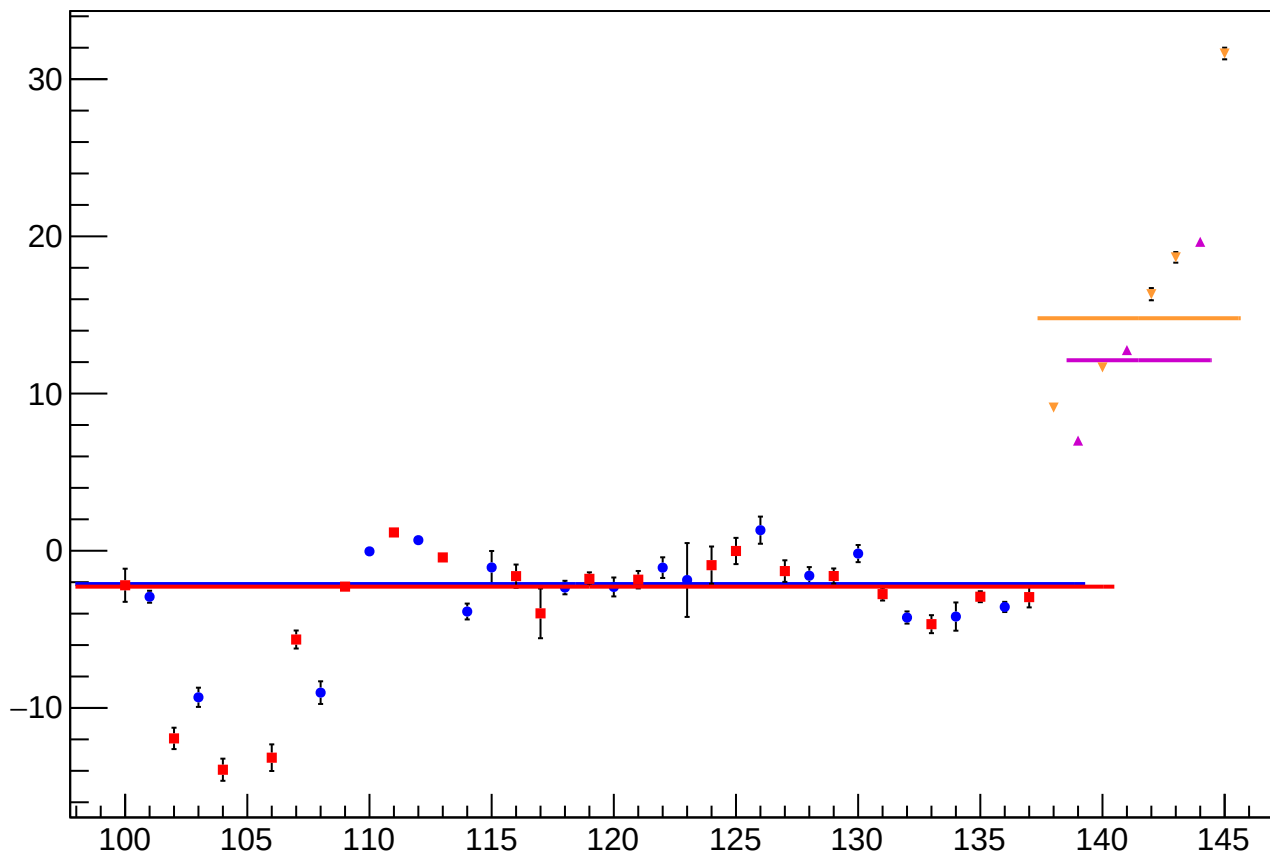
Right Out: 1.112 $\pm$ 0.059 χ^2/NDF : 940.5/19

Left In: 0.248 $\pm$ 0.122 χ^2/NDF : 392.3/2

1.066 $\pm$ 0.054 χ^2/NDF : 1090.5/21

0.947 $\pm$ 0.053 χ^2/NDF : 1373.5/22

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 14.792 ± 0.130 χ^2/NDF : 3010.3/4

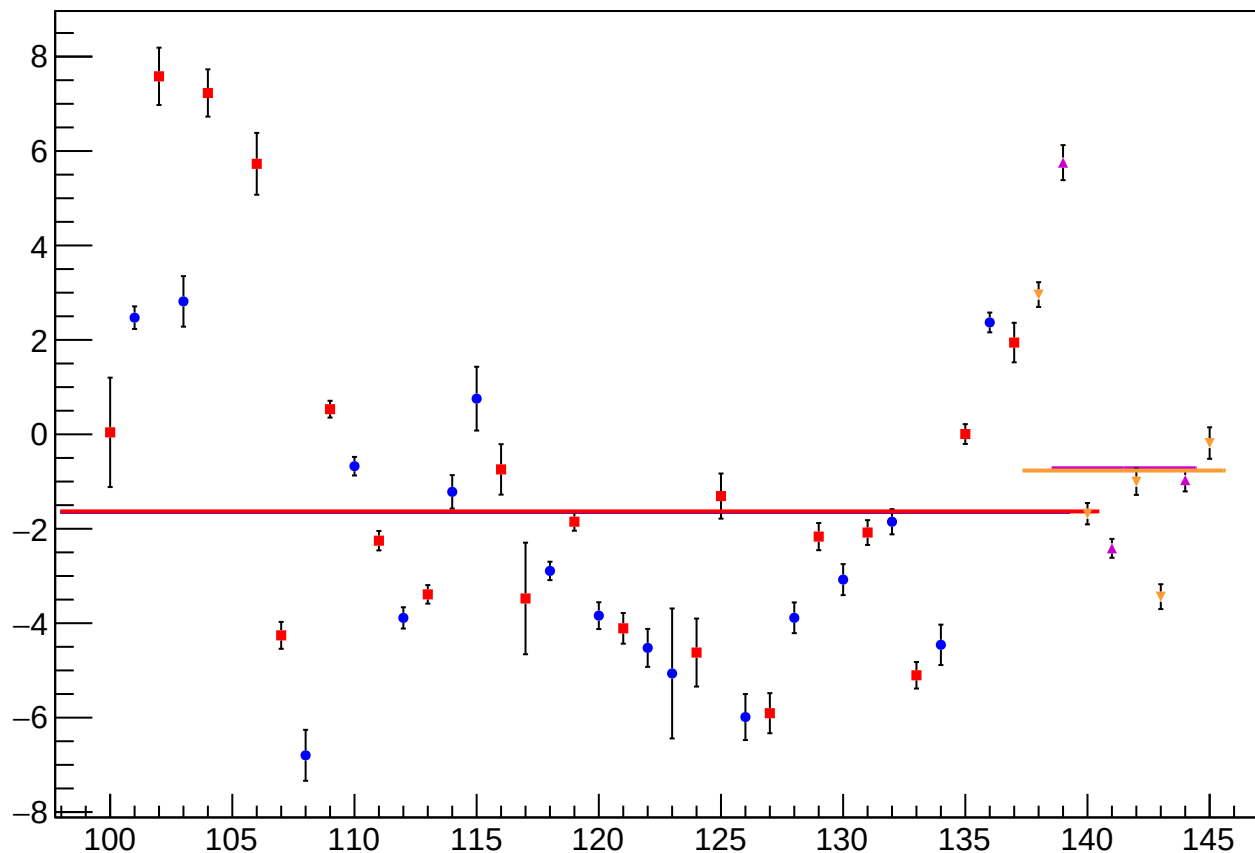
Right Out: -2.284 ± 0.101 χ^2/NDF : 920.6/19

Left In: 12.119 ± 0.148 χ^2/NDF : 1108.2/2

5.209 ± 0.085 χ^2/NDF : 13149.9/21

2.289 ± 0.083 χ^2/NDF : 8507.4/22

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 χ^2/NDF : 1310.1/16

Left Out: -0.767 ± 0.119 χ^2/NDF : 325.3/4

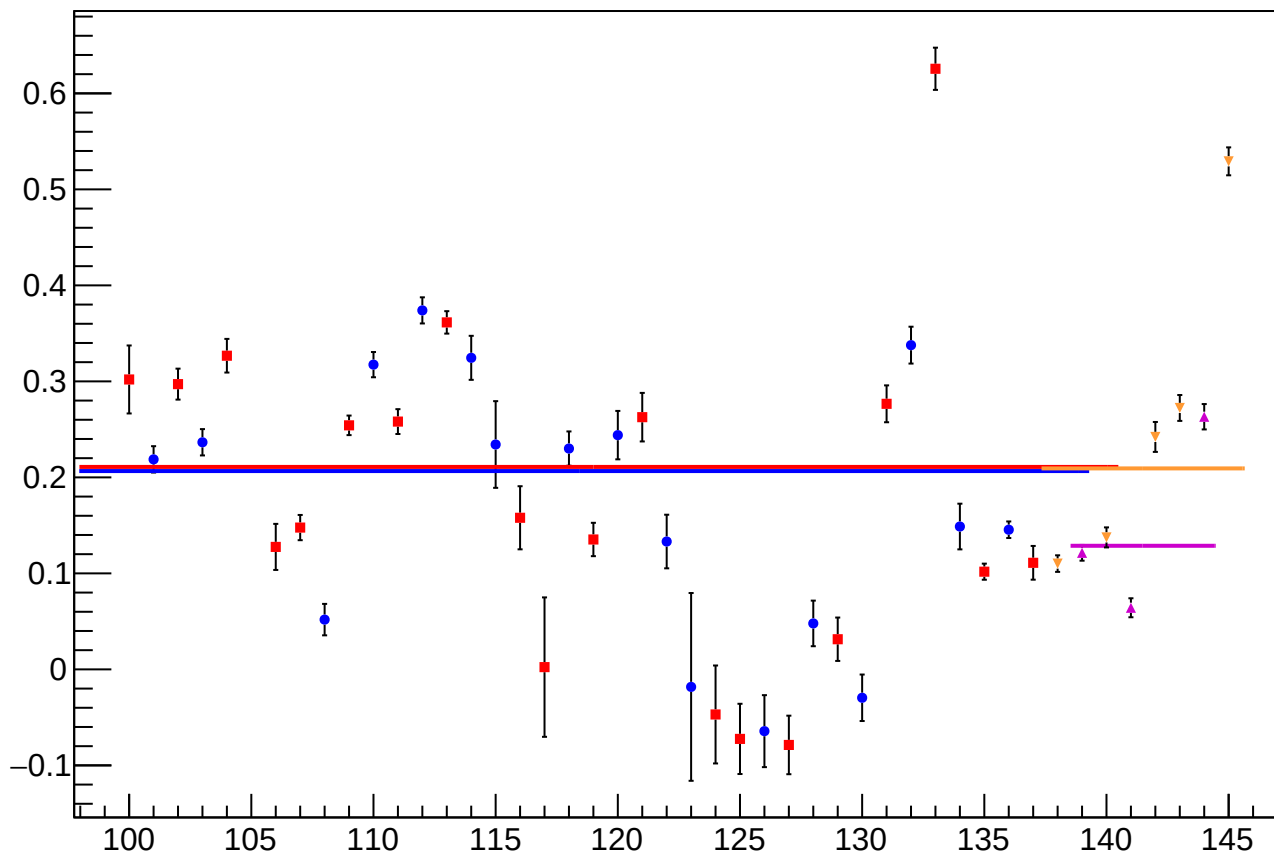
Right Out: -1.633 ± 0.067 χ^2/NDF : 1470.6/19

Left In: -0.719 ± 0.141 χ^2/NDF : 377.6/2

-1.407 ± 0.062 χ^2/NDF : 1674.8/21

-1.466 ± 0.060 χ^2/NDF : 1882.3/22

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.209 ± 0.005 χ^2/NDF : 689.4/4

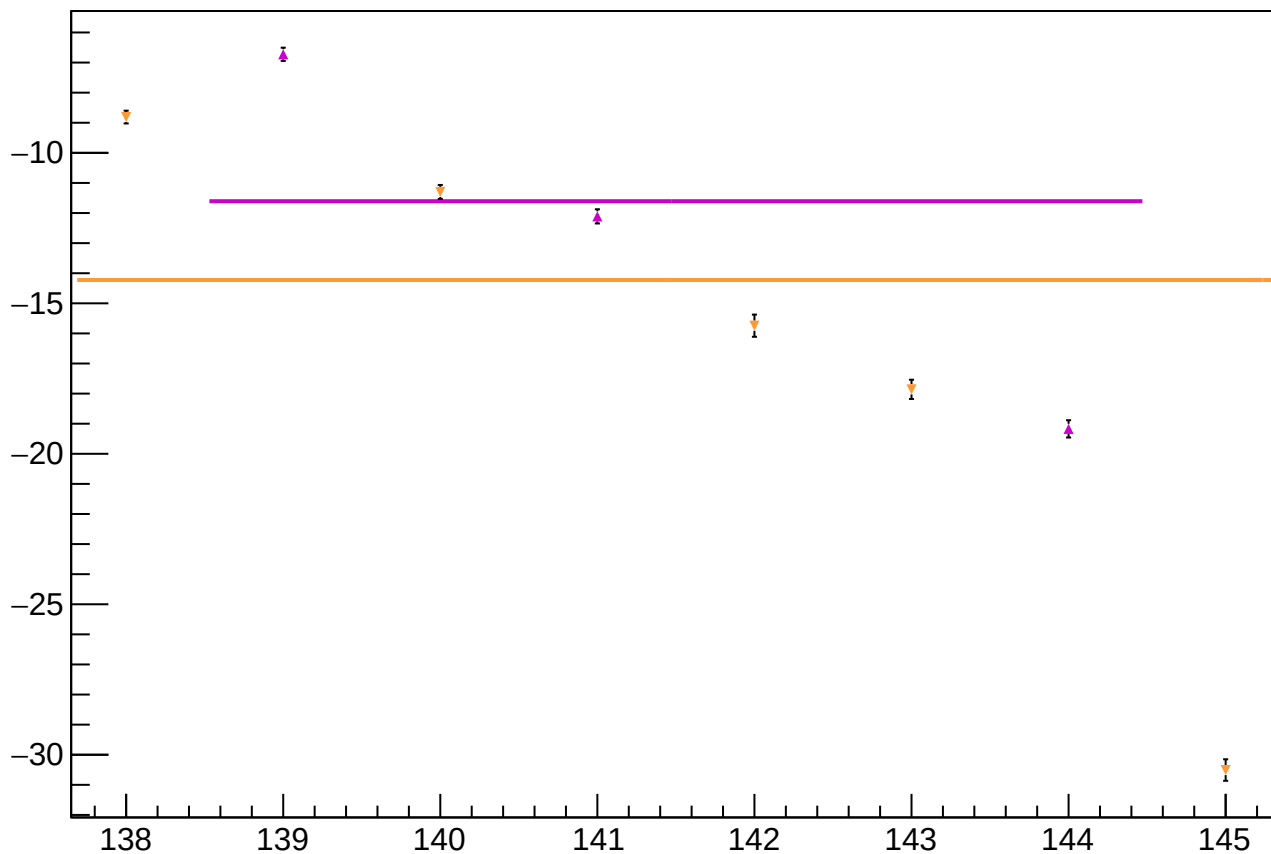
Right Out: 0.211 ± 0.004 χ^2/NDF : 1153.8/19

Left In: 0.129 ± 0.006 χ^2/NDF : 146.8/2

0.208 ± 0.003 χ^2/NDF : 1344.6/21

0.186 ± 0.003 χ^2/NDF : 1445.6/22

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -14.225+/-0.123 χ^2/NDF : 3026.6/4

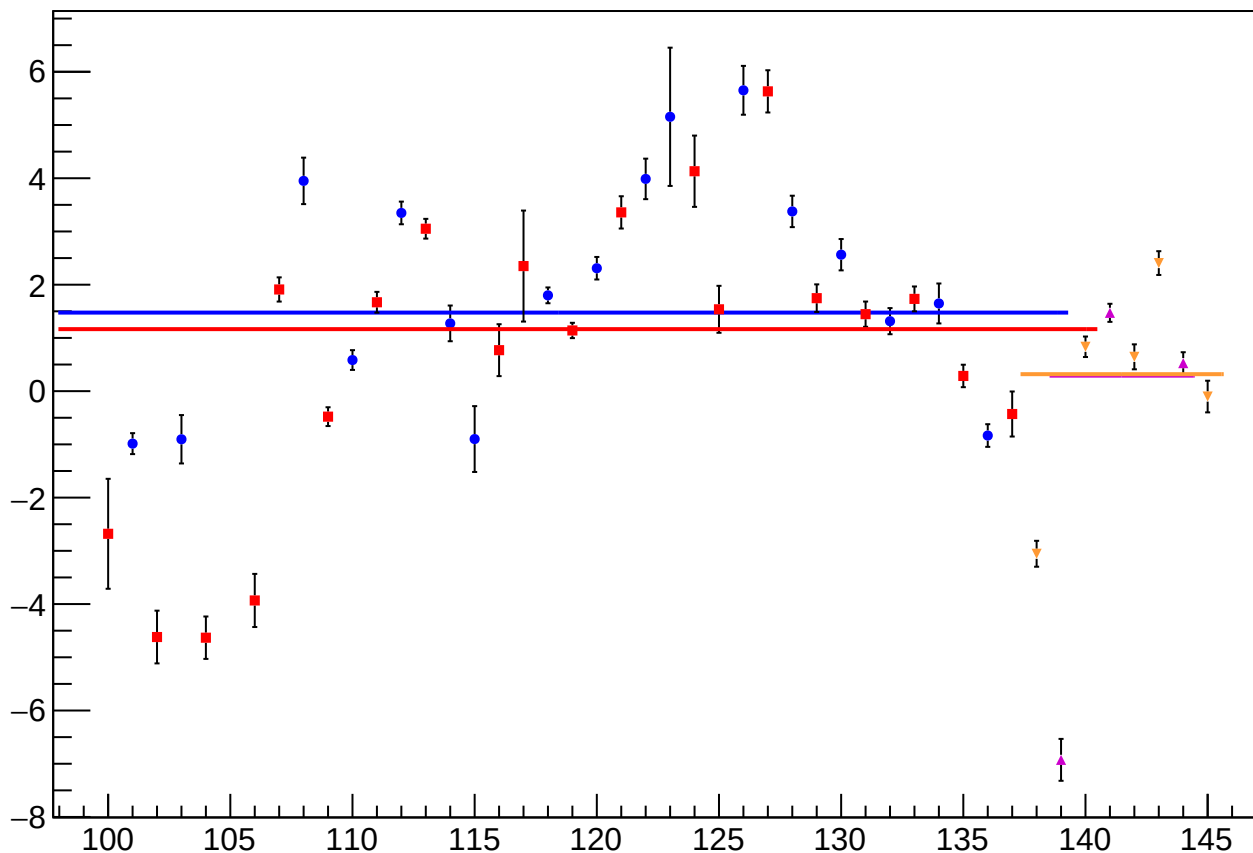
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -11.607+/-0.141 χ^2/NDF : 1186.9/2

-14.225+/-0.123 χ^2/NDF : 3026.6/4

-11.607+/-0.141 χ^2/NDF : 1186.9/2

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 0.319 ± 0.103 χ^2/NDF : 290.4/4

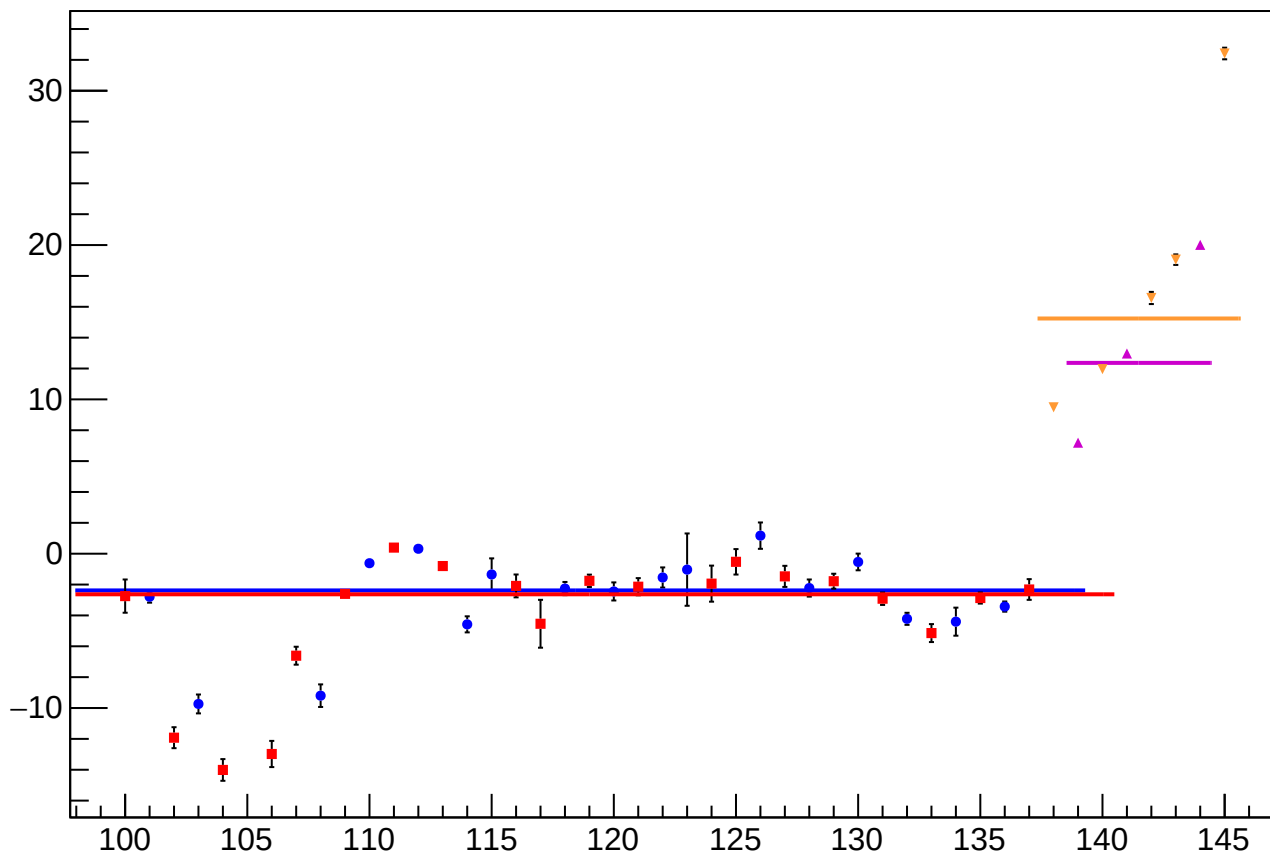
Right Out: 1.165 ± 0.060 χ^2/NDF : 919.2/19

Left In: 0.291 ± 0.124 χ^2/NDF : 386.1/2

1.159 ± 0.054 χ^2/NDF : 1040.7/21

1.000 ± 0.054 χ^2/NDF : 1345.5/22

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 15.241 ± 0.132 χ^2/NDF : 2999.7/4

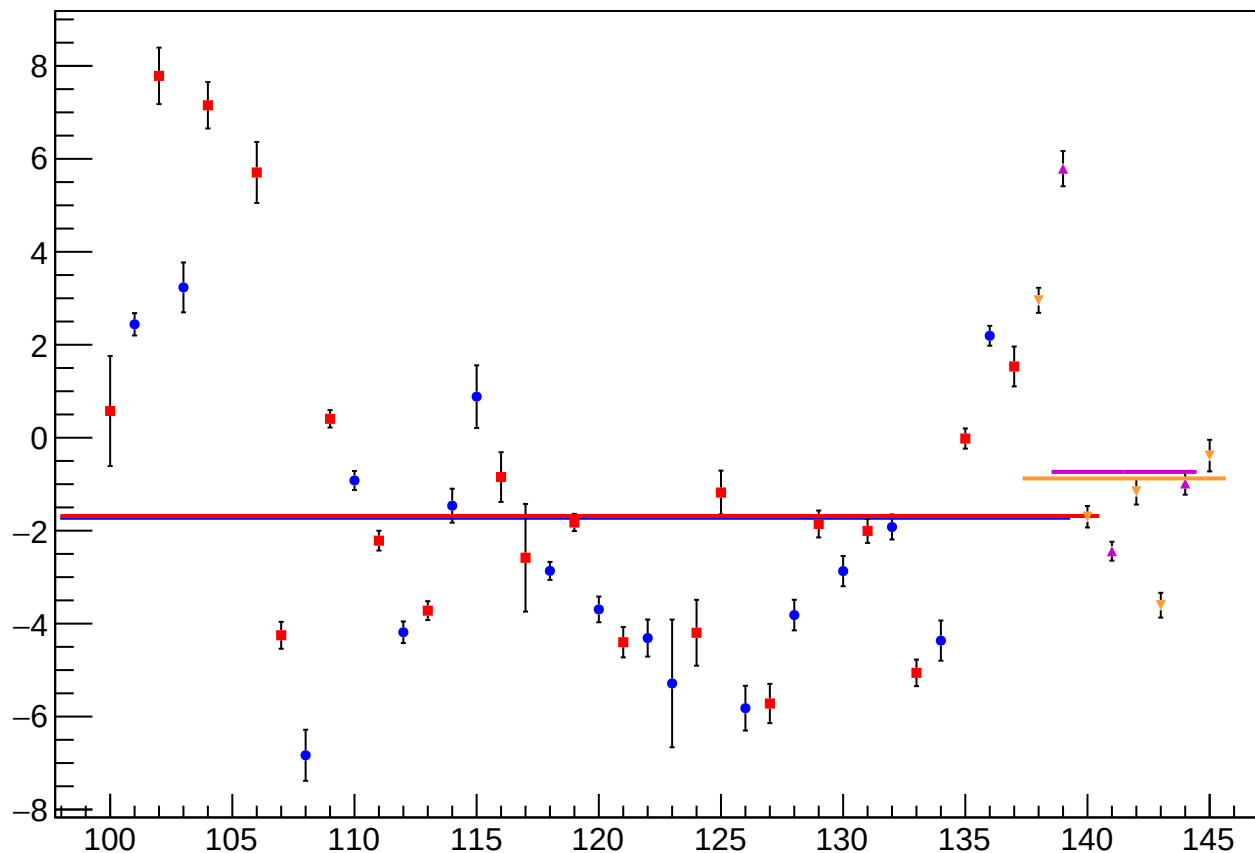
Right Out: -2.631 ± 0.103 χ^2/NDF : 842.8/19

Left In: 12.365 ± 0.151 χ^2/NDF : 1093.8/2

5.203 ± 0.087 χ^2/NDF : 13537.3/21

2.143 ± 0.085 χ^2/NDF : 8681.5/22

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722+/-0.073 χ^2/NDF : 1247.6/16

Left Out: -0.876+/-0.122 χ^2/NDF : 323.3/4

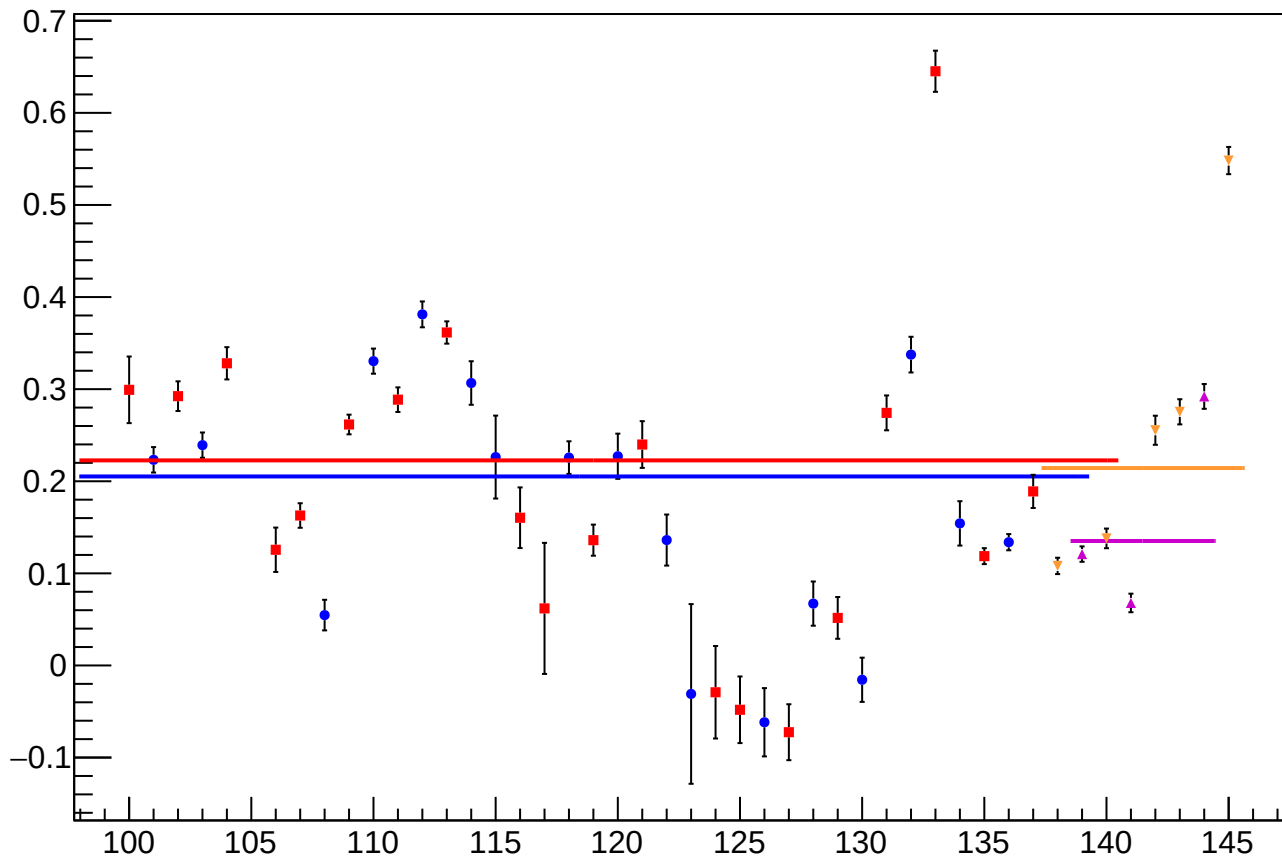
Right Out: -1.684+/-0.068 χ^2/NDF : 1431.6/19

Left In: -0.736+/-0.144 χ^2/NDF : 368.1/2

-1.497+/-0.063 χ^2/NDF : 1606.5/21

-1.512+/-0.061 χ^2/NDF : 1835.2/22

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.004 χ^2 /NDF: 650.7/16

Left Out: 0.214 $\pm$ 0.005 χ^2 /NDF: 730.6/4

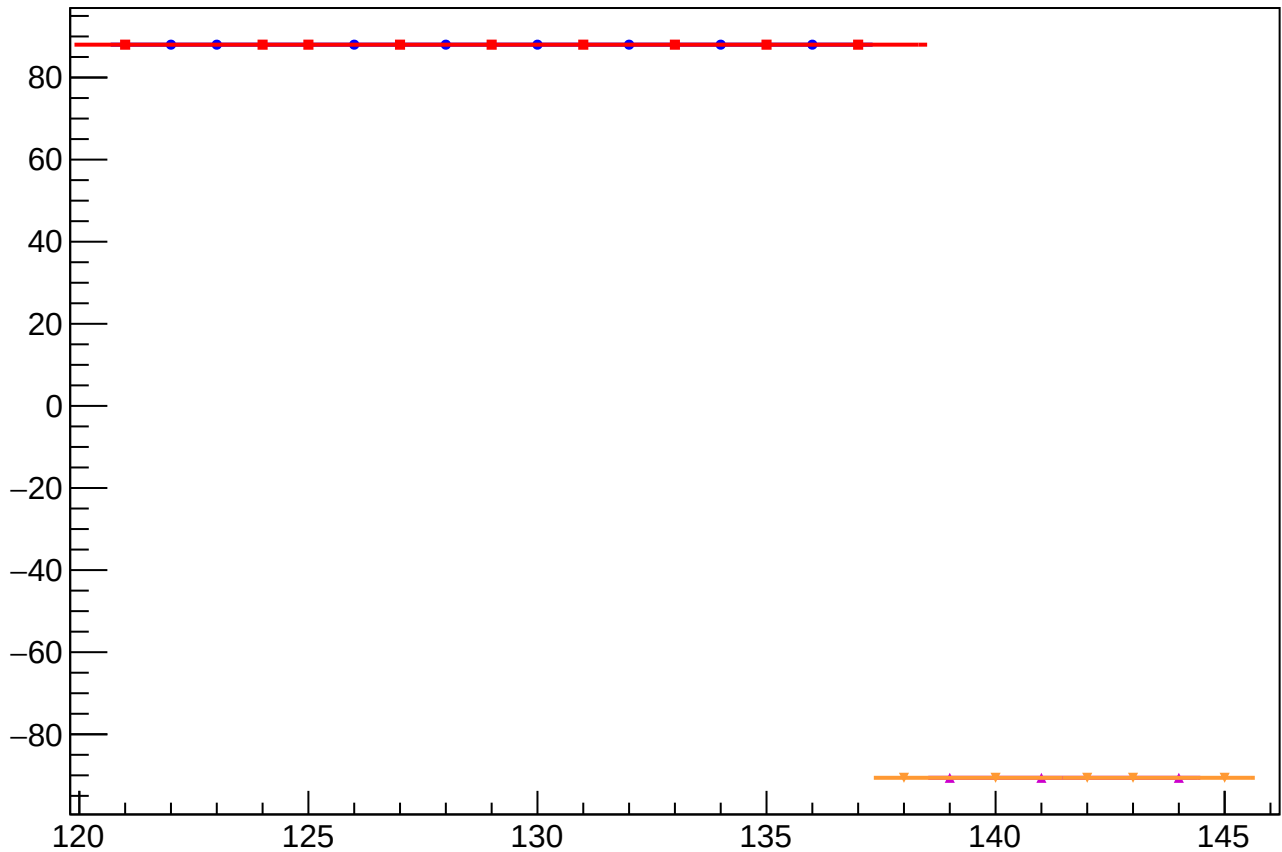
Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1045.6/19

Left In: 0.135 $\pm$ 0.006 χ^2 /NDF: 183.5/2

0.209 $\pm$ 0.003 χ^2 /NDF: 1383.1/21

0.196 $\pm$ 0.003 χ^2 /NDF: 1387.2/22

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 2563532.9/4

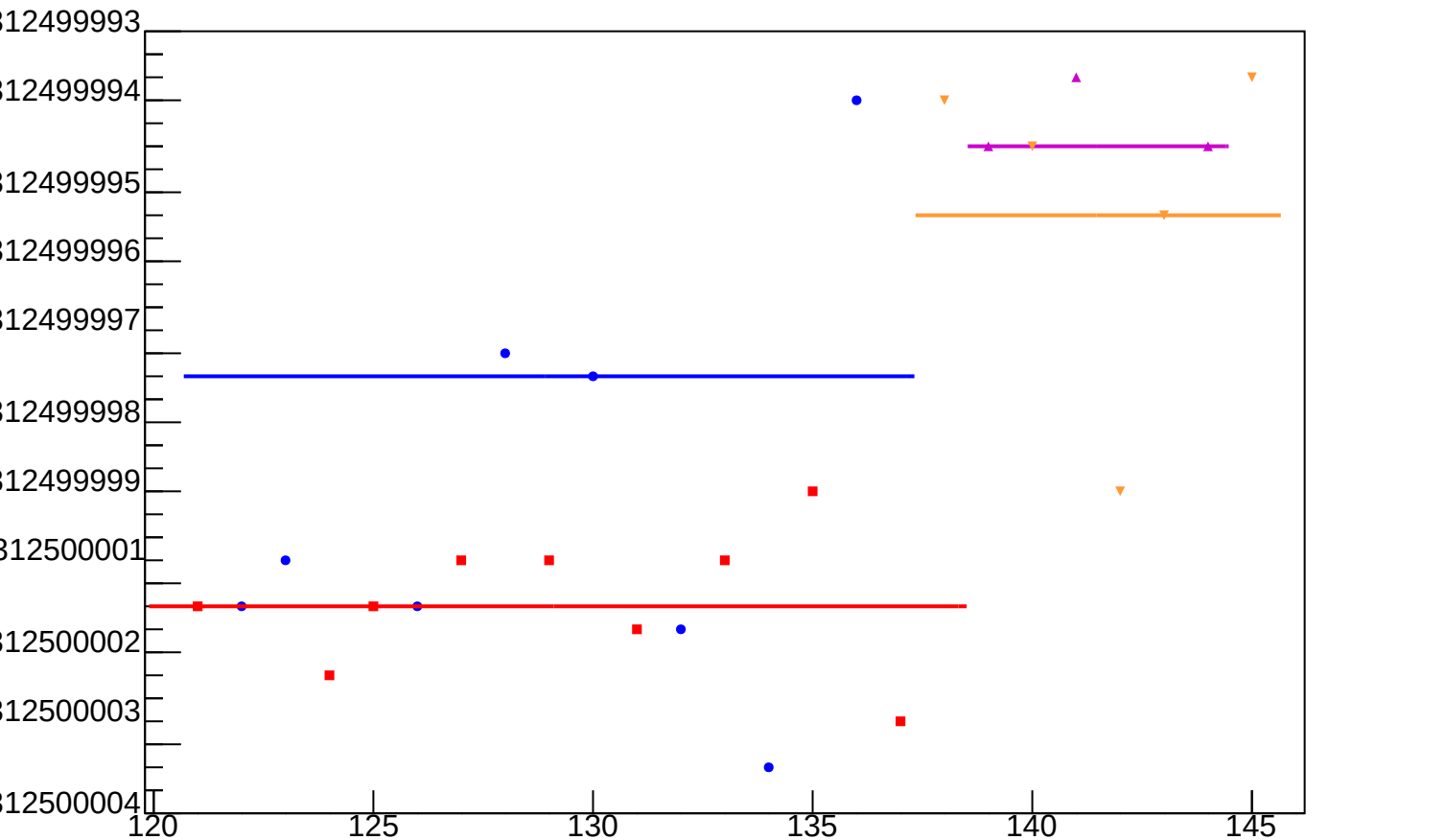
Right Out: 88.001+/-0.000 χ^2/NDF : 109456.0/8

Left In: -90.599+/-0.000 χ^2/NDF : 275053.7/2

-2.713+/-0.000 χ^2/NDF : 554088218555395317

9.883+/-0.000 χ^2/NDF : 4450637410088178538

HWlenAngle_mean vs Slug



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

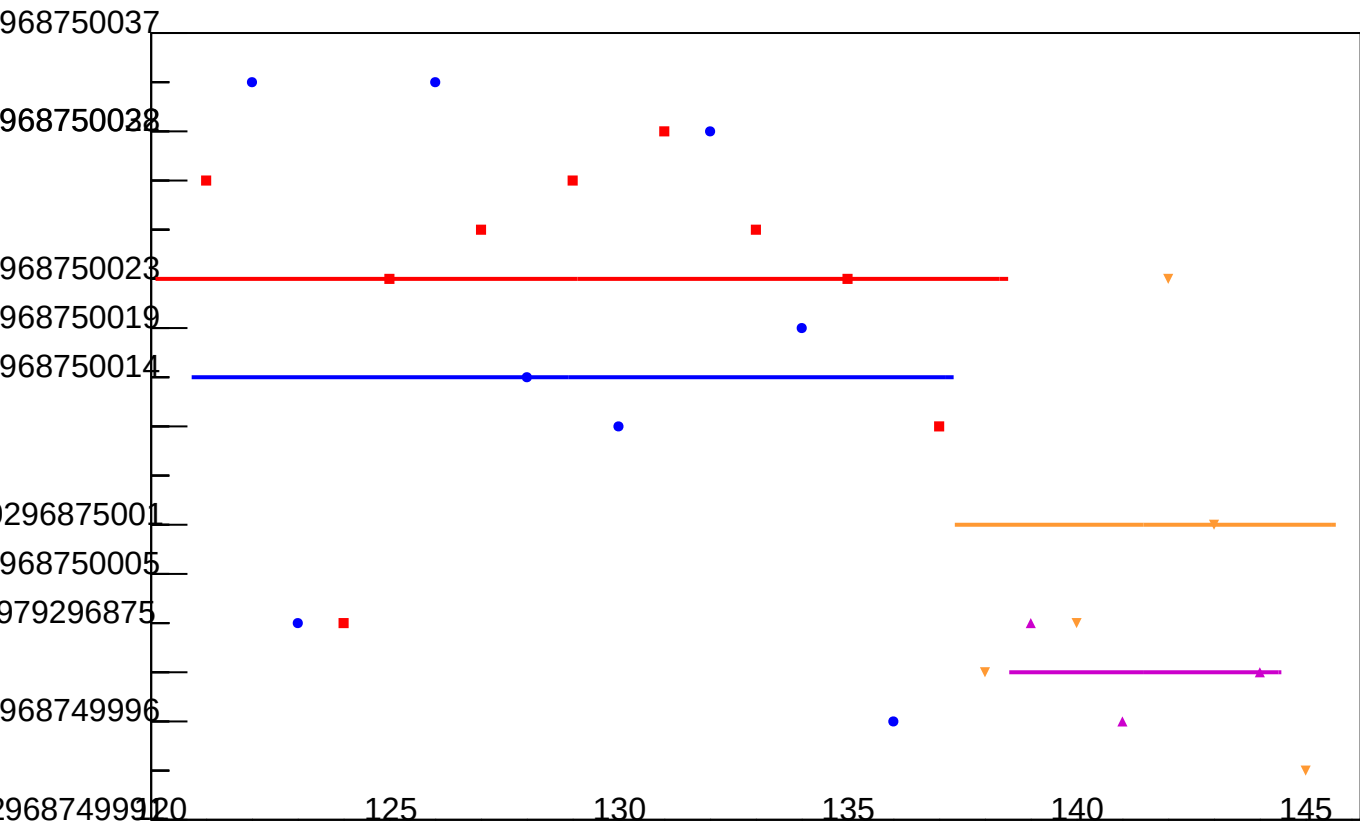
Left Out: -29.641+/-0.000 χ^2/NDF :154339.1/4

Right Out: -29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: -29.641+/-0.000 χ^2/NDF :9655.7/2

-29.641+/-0.000 χ^2/NDF : 815265.7/12

-29.641+/-0.000 χ^2/NDF : 742917.6/11



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1467.979+/-0.000 χ^2/NDF :217393404.7/4

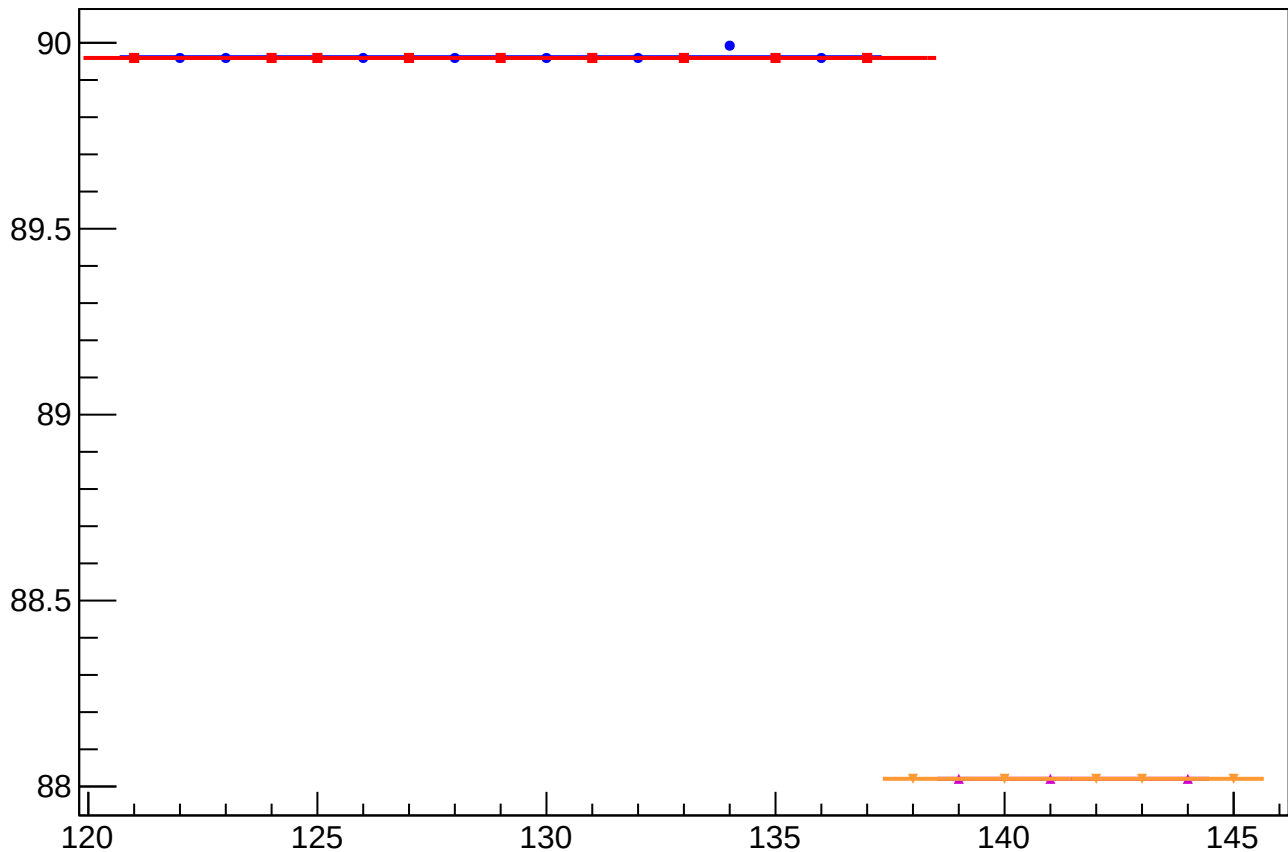
Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: 1467.979+/-0.000 χ^2/NDF :8220107.3/2

1467.979+/-0.000 χ^2/NDF : 1062565195.6/12

1467.979+/-0.000 χ^2/NDF : 650577551.8/11

Phi_FG_mean vs Slug



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 2540914.7/4

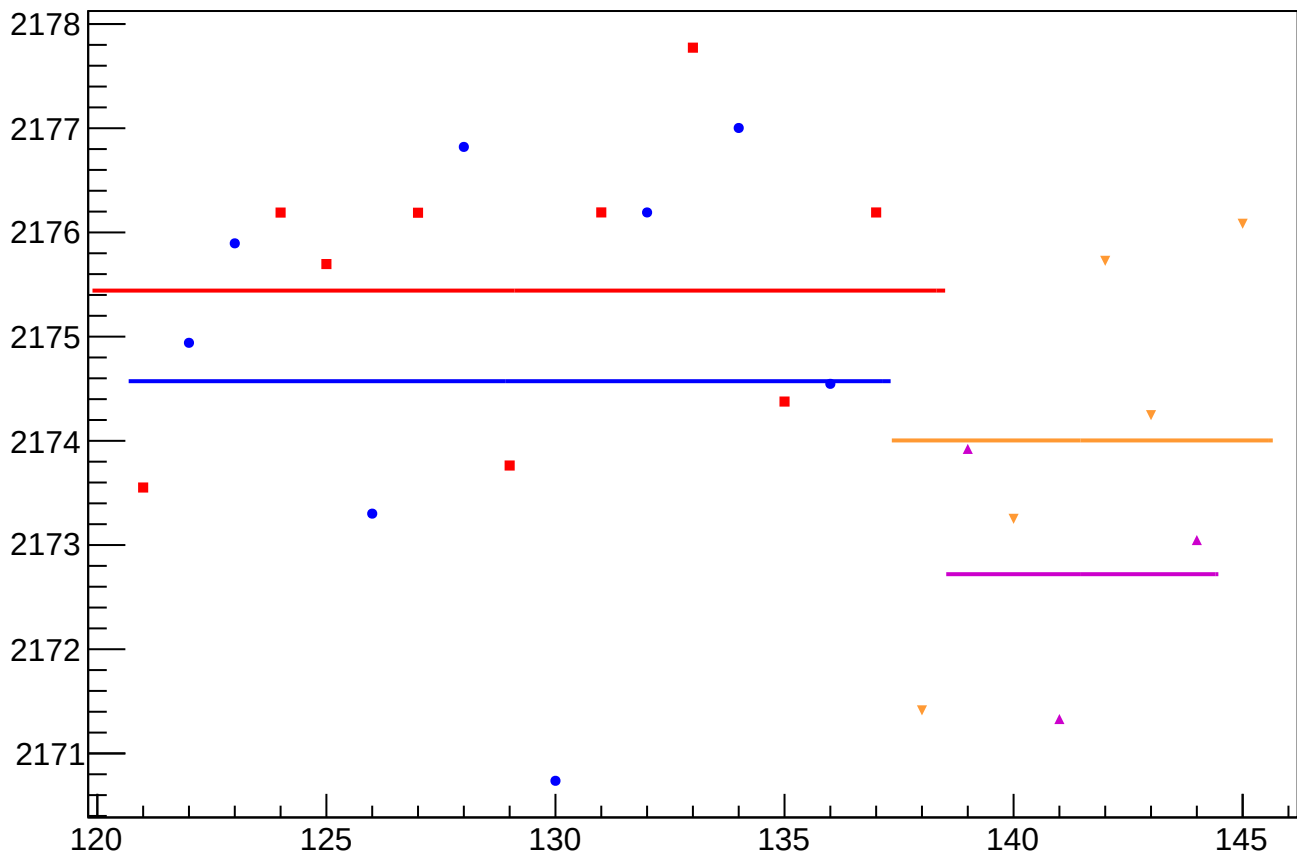
Right Out: 89.959+/-0.000 χ^2/NDF : 331397.3/8

Left In: 88.021+/-0.000 χ^2/NDF : 223556.9/2

88.976+/-0.000 χ^2/NDF : 654203227943914026

89.111+/-0.000 χ^2/NDF : 524364064897884639

HALLA_p_mean vs Slug



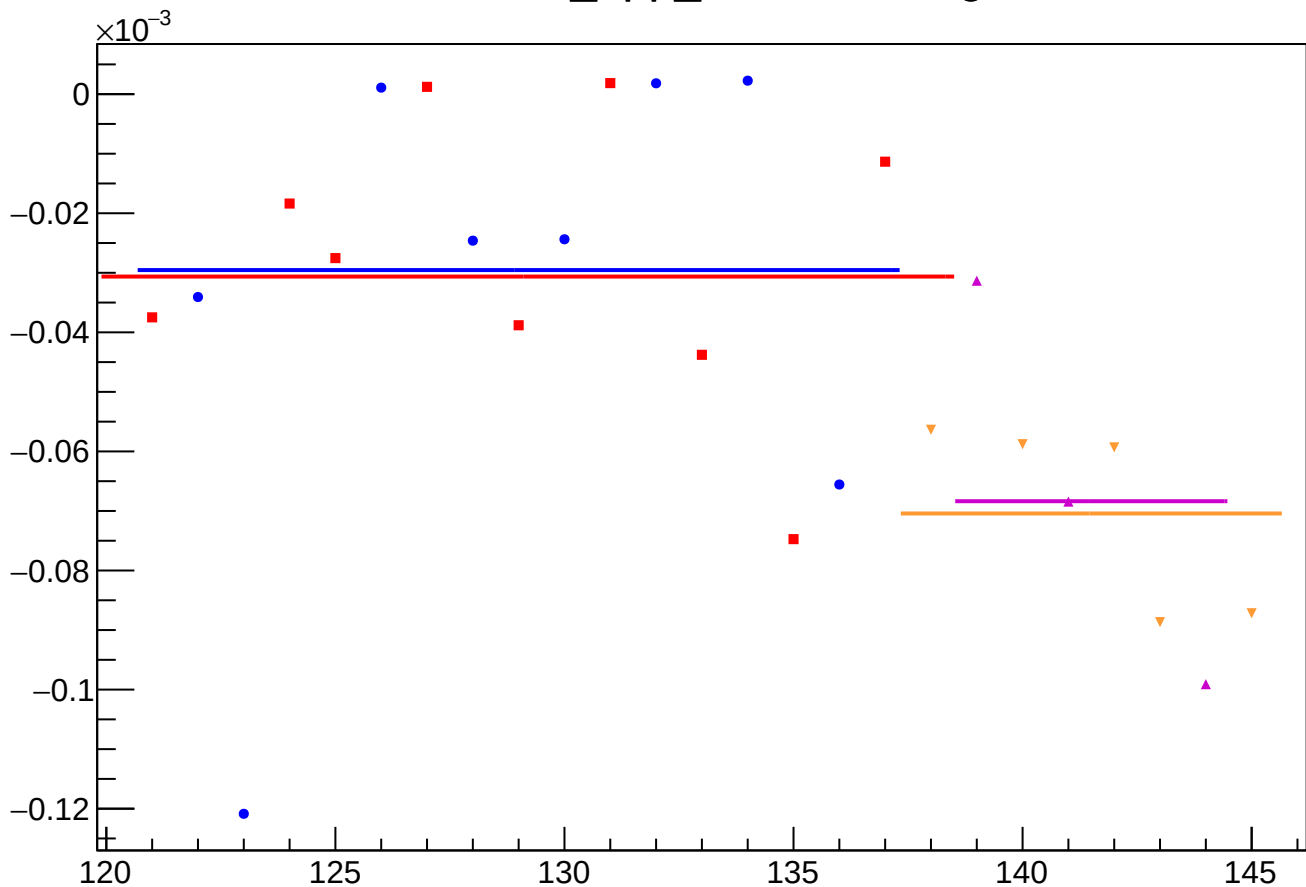
Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.004+/-0.000 χ^2/NDF : 1060705966984896475424760465981440.0/4

Right Out: 2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

Left In: 2172.720+/-0.000 χ^2/NDF : 280768238828903497098513352753152.0/2

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000+/-0.000 χ^2/NDF : 76920970195145177694208.0/4

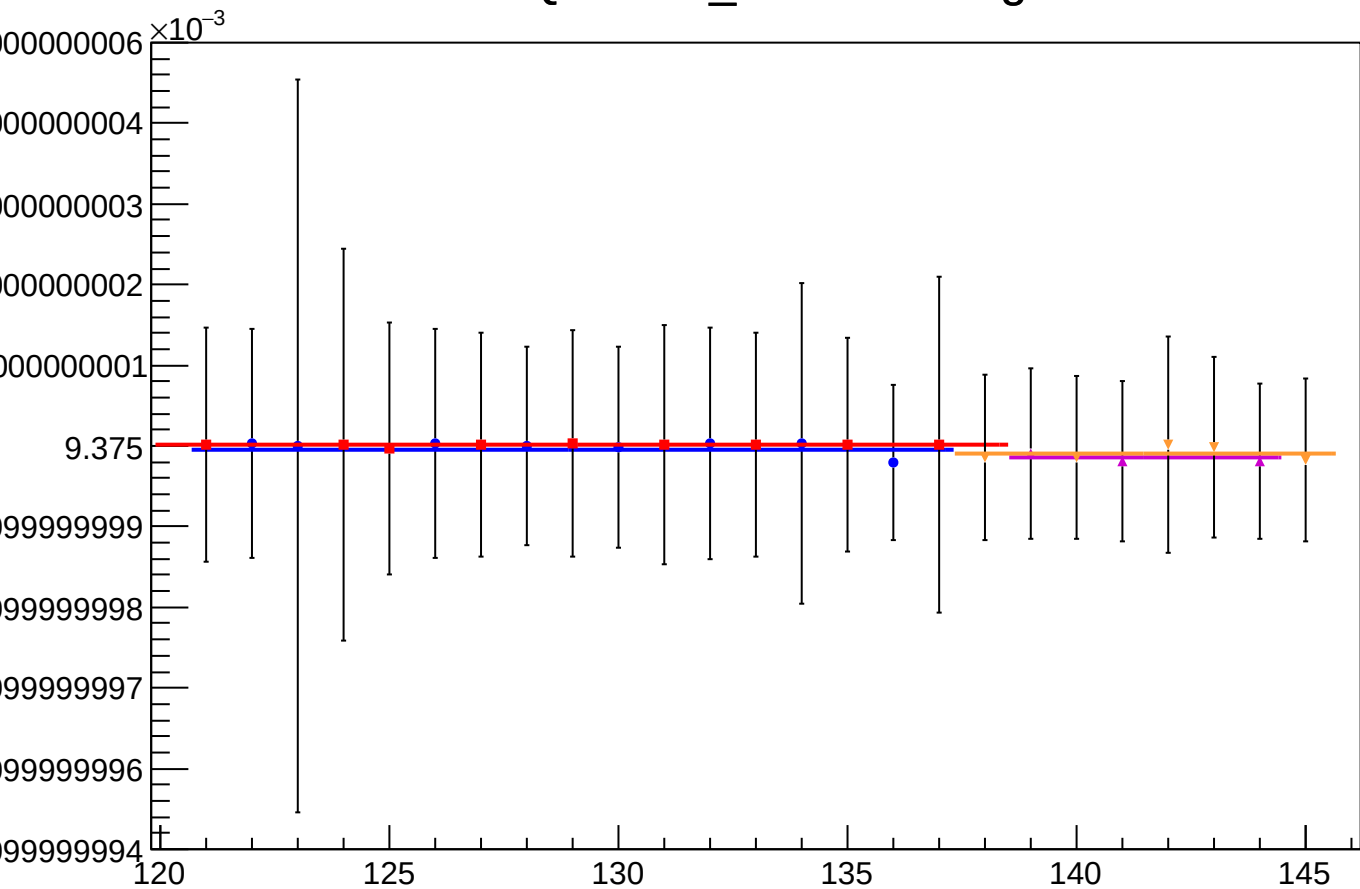
Right Out: -0.000+/-0.000 χ^2/NDF : 196732771178766734983168.0/8

Left In: -0.000+/-0.000 χ^2/NDF : 185508677461974617948160.0/2

-0.000+/-0.000 χ^2/NDF : 617354171905310512

-0.000+/-0.000 χ^2/NDF : 580849444207394753

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/4

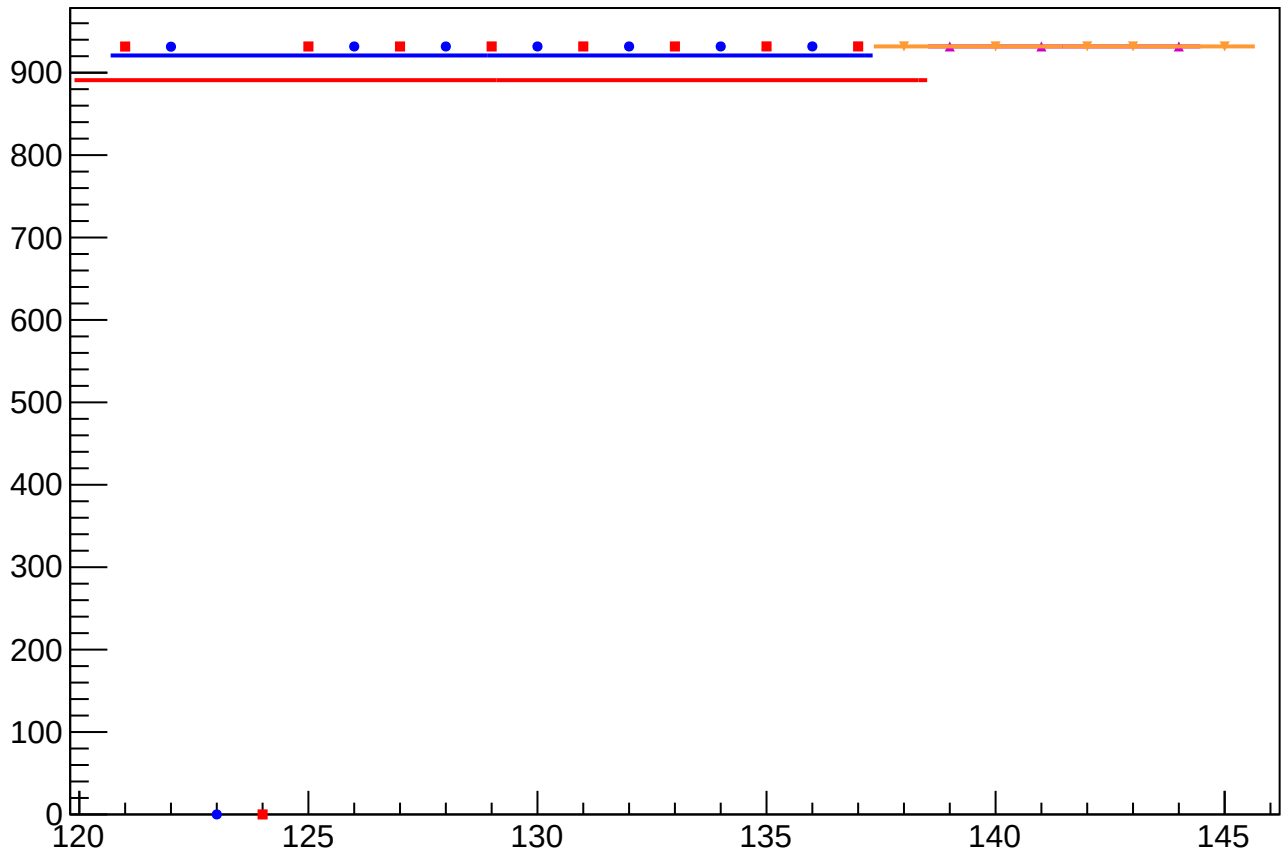
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/2

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/12

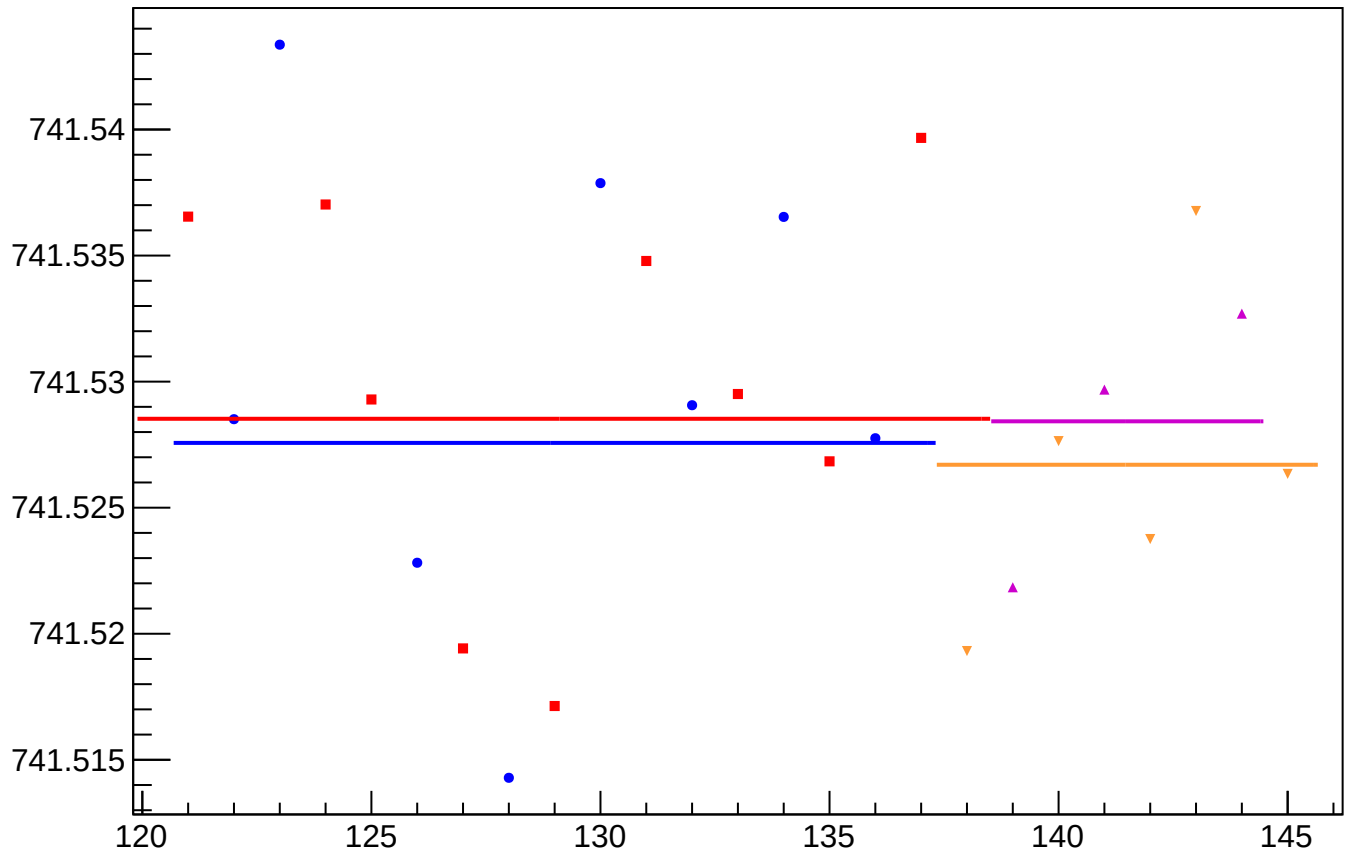
0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/11

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 $\pm$ 0.000 χ^2 /NDF: 3432128841951899861299566212080992256.0/7
Left Out: 931.864 $\pm$ 0.000 χ^2 /NDF: 91704933025713612935407861760.0/4
Right Out: 890.923 $\pm$ 0.000 χ^2 /NDF: 11621671430114409722932854398744788992.0/8
Left In: 931.869 $\pm$ 0.000 χ^2 /NDF: 4020065588815676110392000512.0/2

HacL_D1_HP3458A_IOUT_mean vs Slug



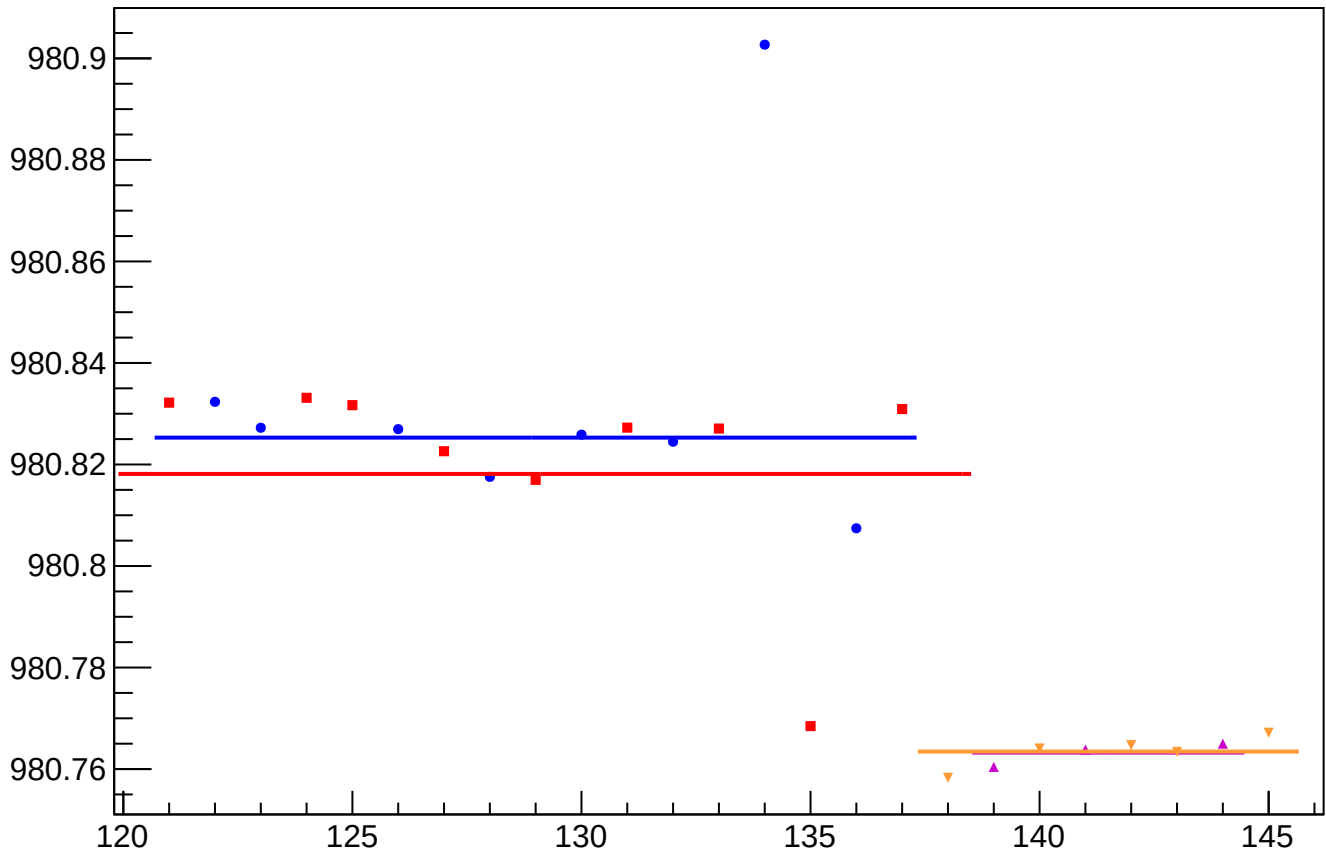
Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.527+/-0.000 χ^2/NDF : 30454222453655740

Right Out: 741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

Left In: 741.528+/-0.000 χ^2/NDF : 21546254460961350

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825 $\pm$ 0.000 χ^2 /NDF: 159345321268745350954763681792.0/7

Left Out: 980.763 $\pm$ 0.000 χ^2 /NDF: 3304197600504496365305331712.0/4

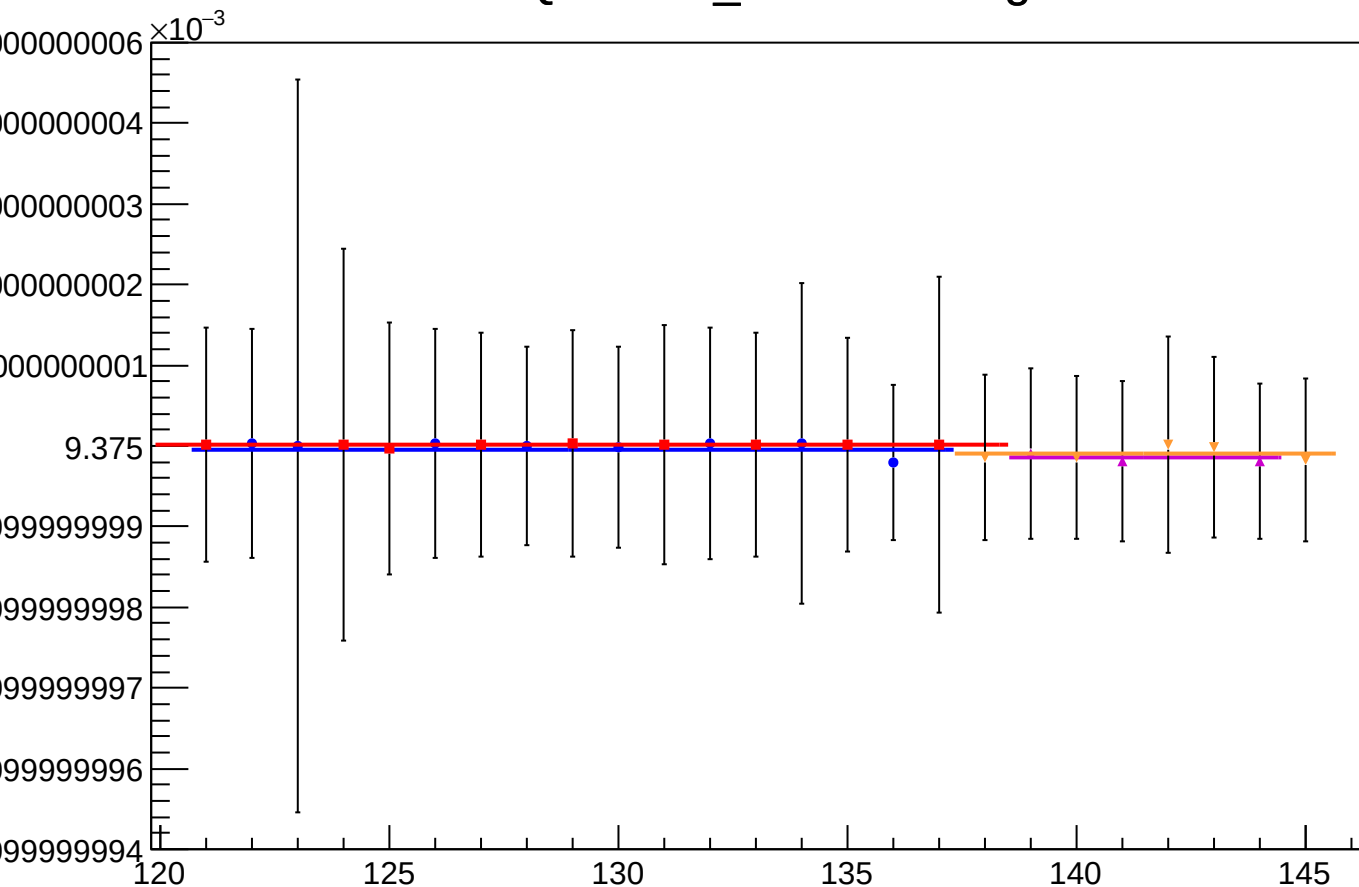
Right Out: 980.818 $\pm$ 0.000 χ^2 /NDF: 143689912167528137563261894656.0/8

Left In: 980.763 $\pm$ 0.000 χ^2 /NDF: 891462294055852882740117504.0/2

980.794 $\pm$ 0.000 χ^2 /NDF: 82697964252677274

980.794 $\pm$ 0.000 χ^2 /NDF: 5651678656318605

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/4

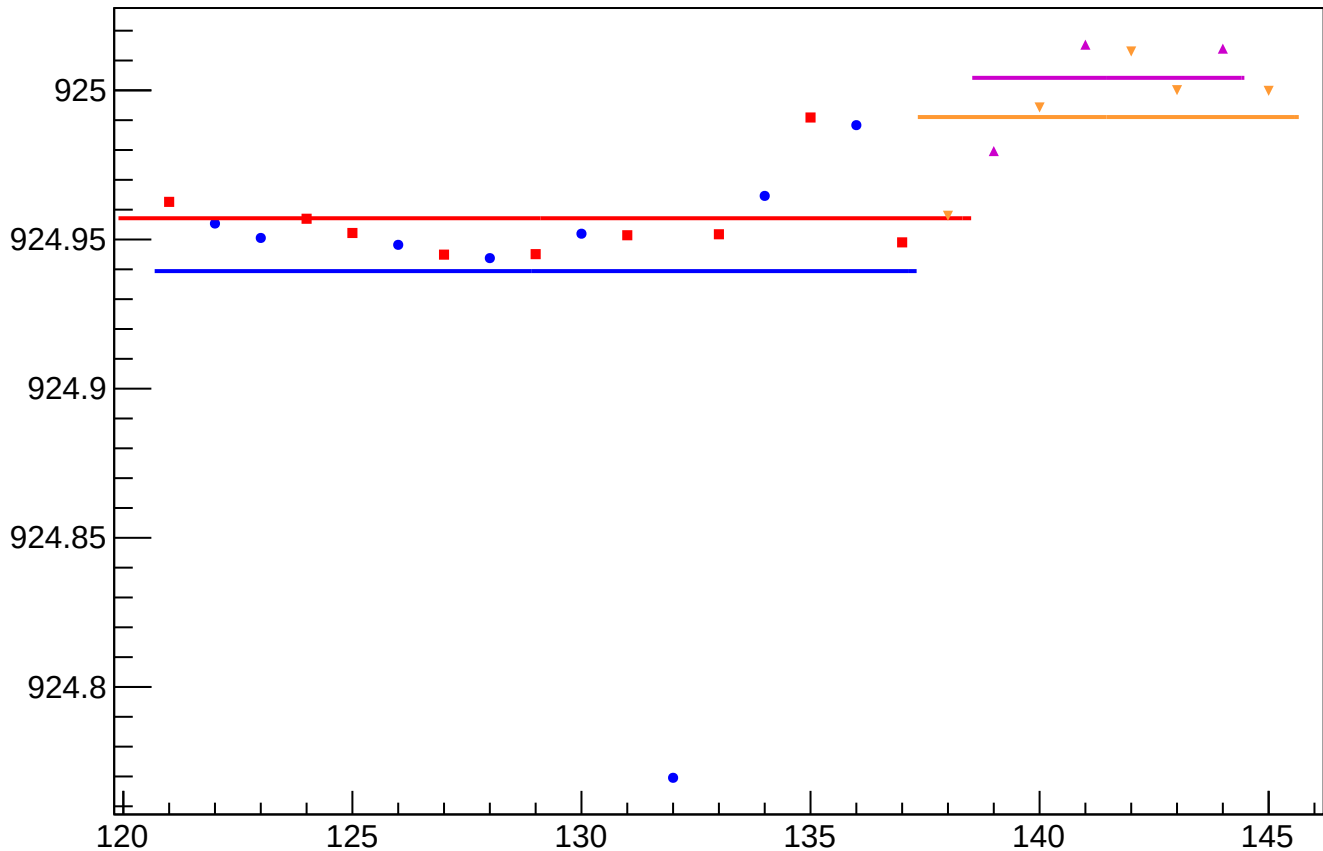
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/2

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/12

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/11

HacR_Q2_HP3458A_IOUT_mean vs Slug



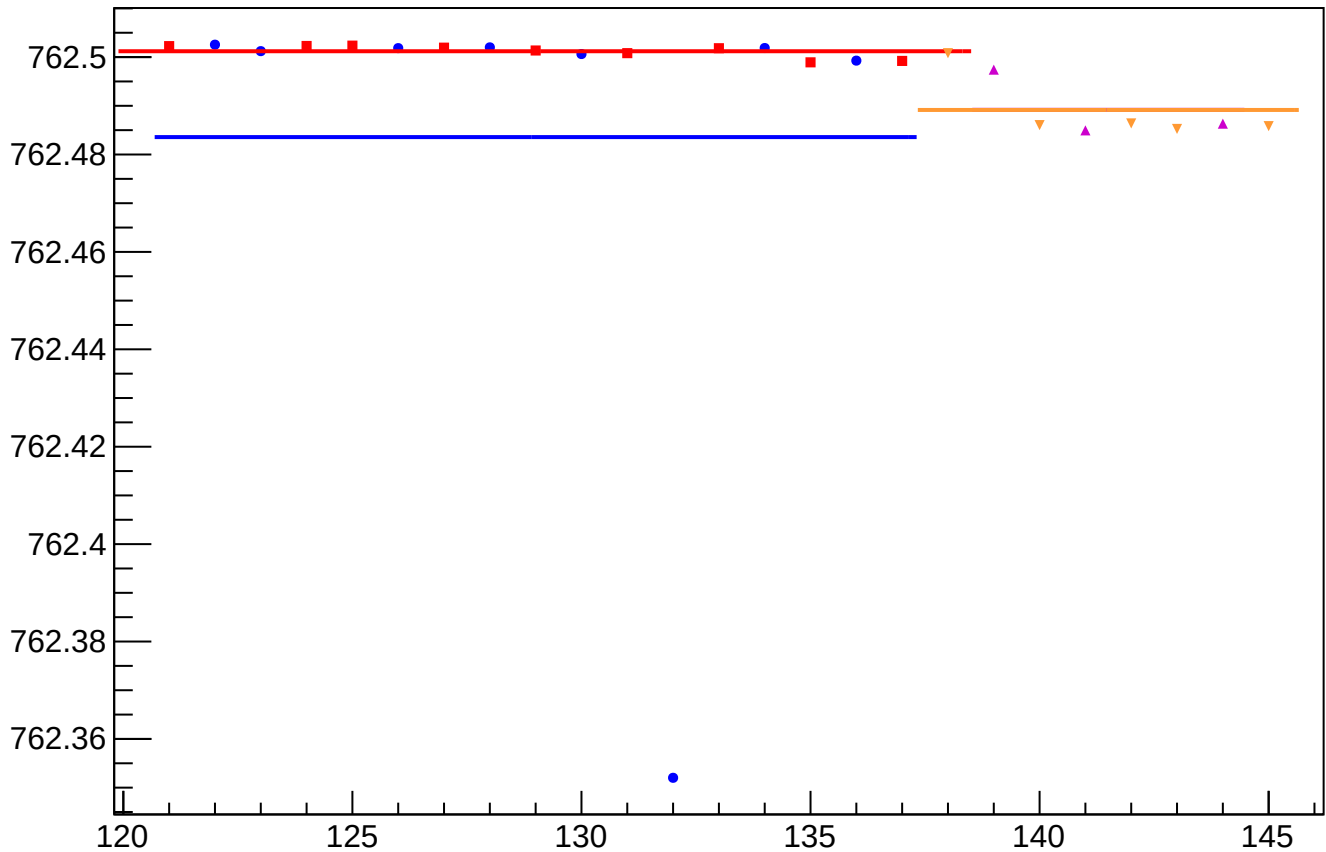
Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.991+/-0.000 χ^2/NDF : 120082779838346748735600459776.0/4

Right Out: 924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8

Left In: 925.004+/-0.000 χ^2/NDF : 63624014587262896560830152704.0/2

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.489+/-0.000 χ^2/NDF : 13639528099243605796730175488.0/4

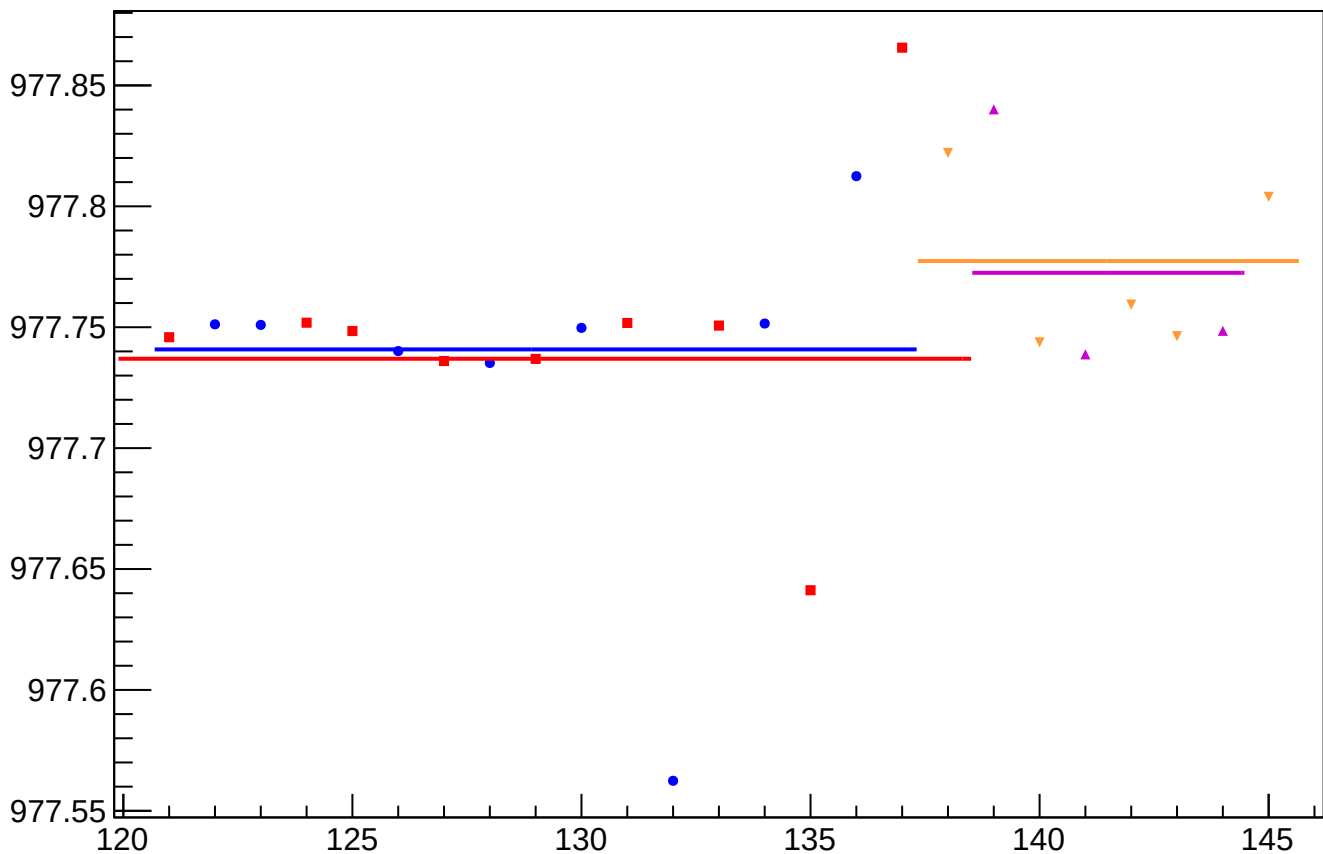
Right Out: 762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

Left In: 762.489+/-0.000 χ^2/NDF : 7267643770755131542515744768.0/2

762.486+/-0.000 χ^2/NDF : 80346431291804429

762.496+/-0.000 χ^2/NDF : 27937315469485740

HacR_Q3_HP3458A_IOUT_mean vs Slug



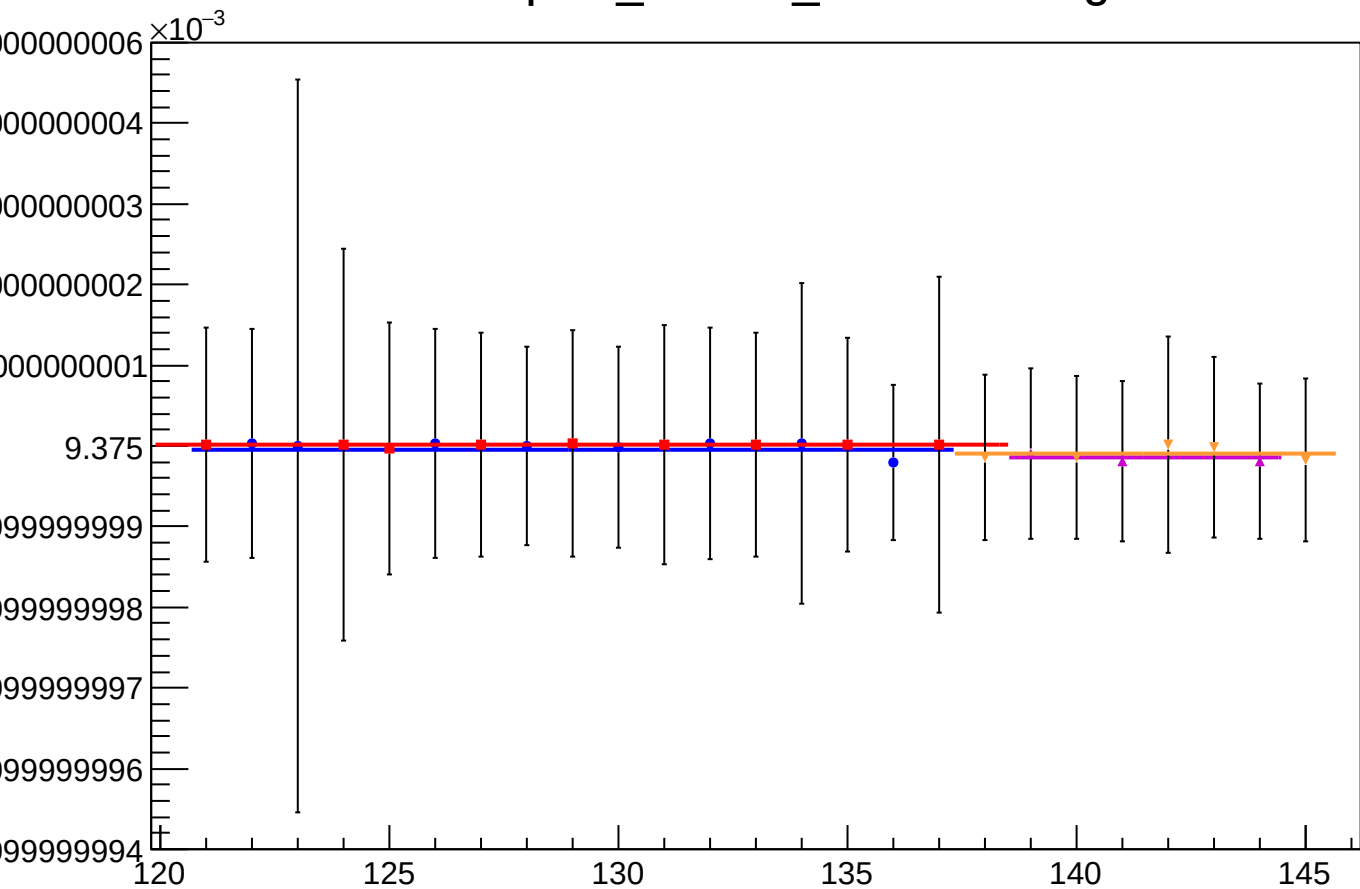
Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.777+/-0.000 χ^2/NDF : 384487402130042894852550557696.0/4

Right Out: 977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

Left In: 977.773+/-0.000 χ^2/NDF : 486014797293189989820006400000.0/2

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/4

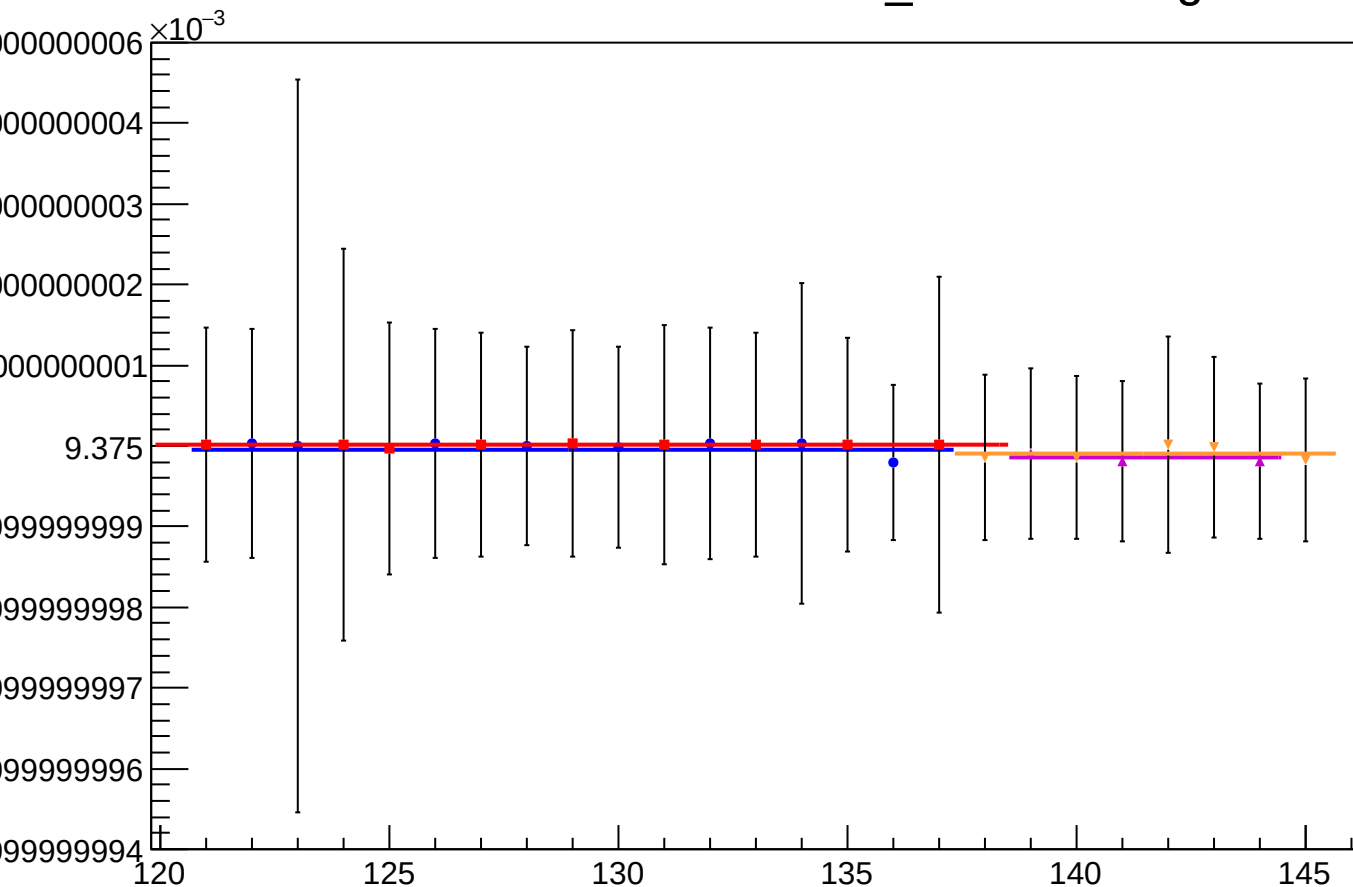
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/2

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/12

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/11

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/4

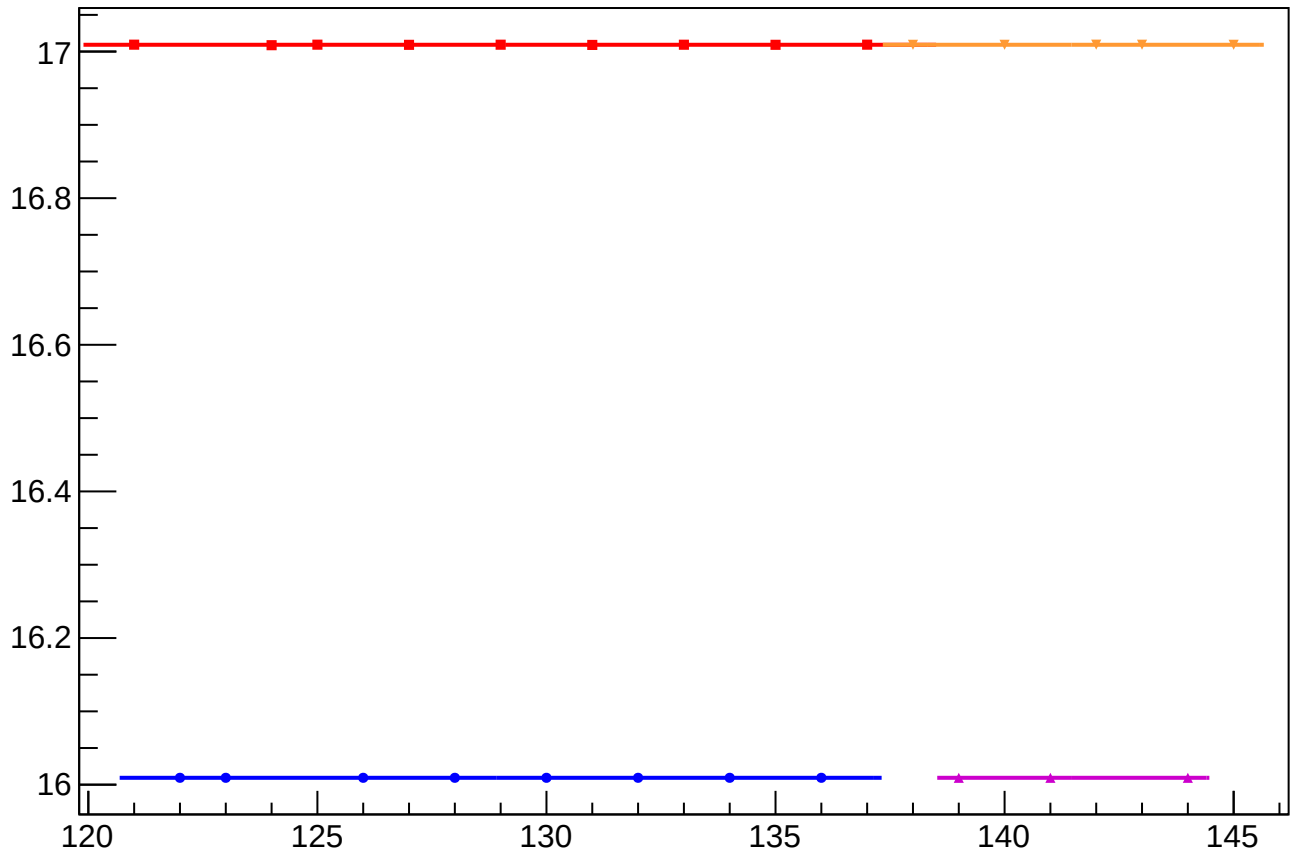
Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/2

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/12

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/11

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF : 1044447903117838127202304.0/4

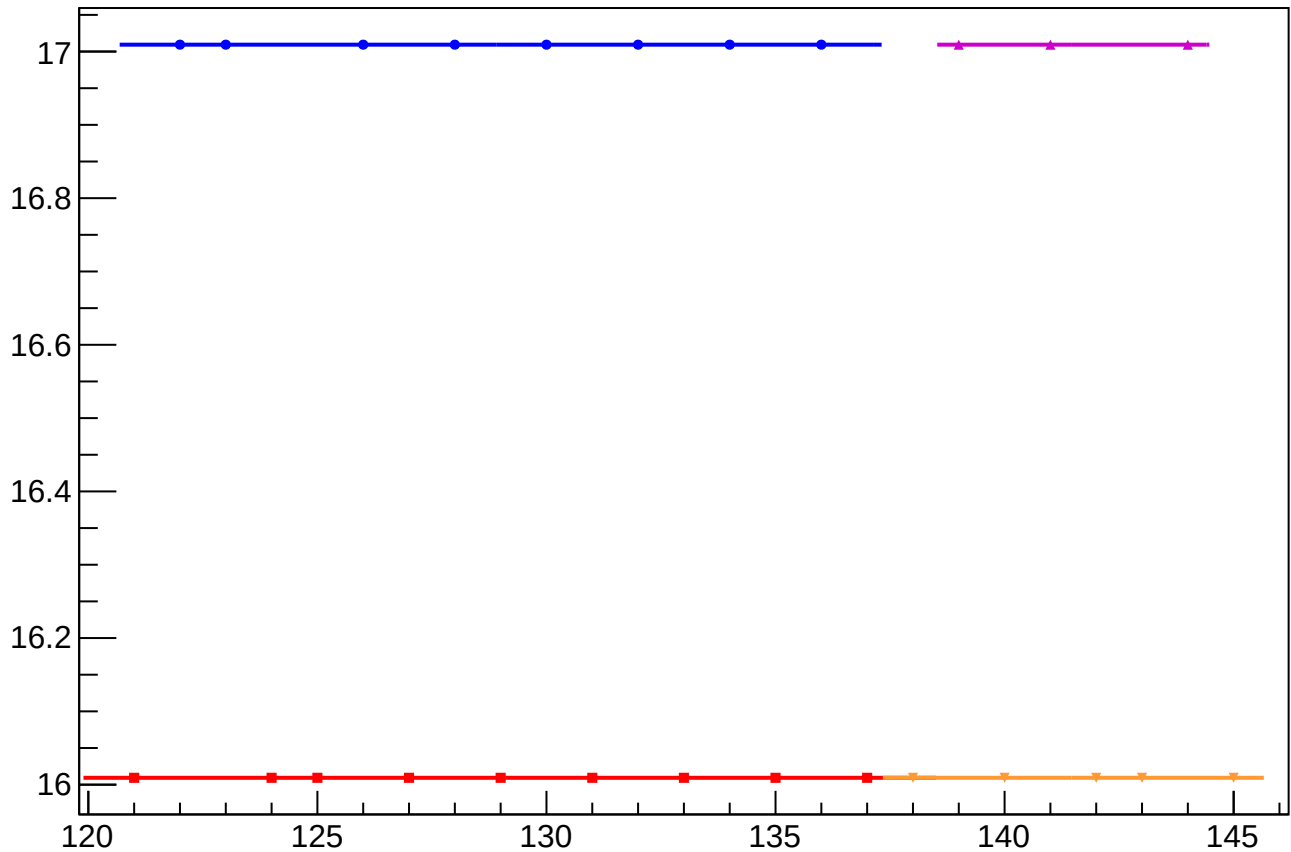
Right Out: 17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: 16.009+/-0.000 χ^2/NDF : 11814.0/2

16.510+/-0.000 χ^2/NDF : 158207488049445382

16.573+/-0.000 χ^2/NDF : 131807823219362614

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 12028.6/4

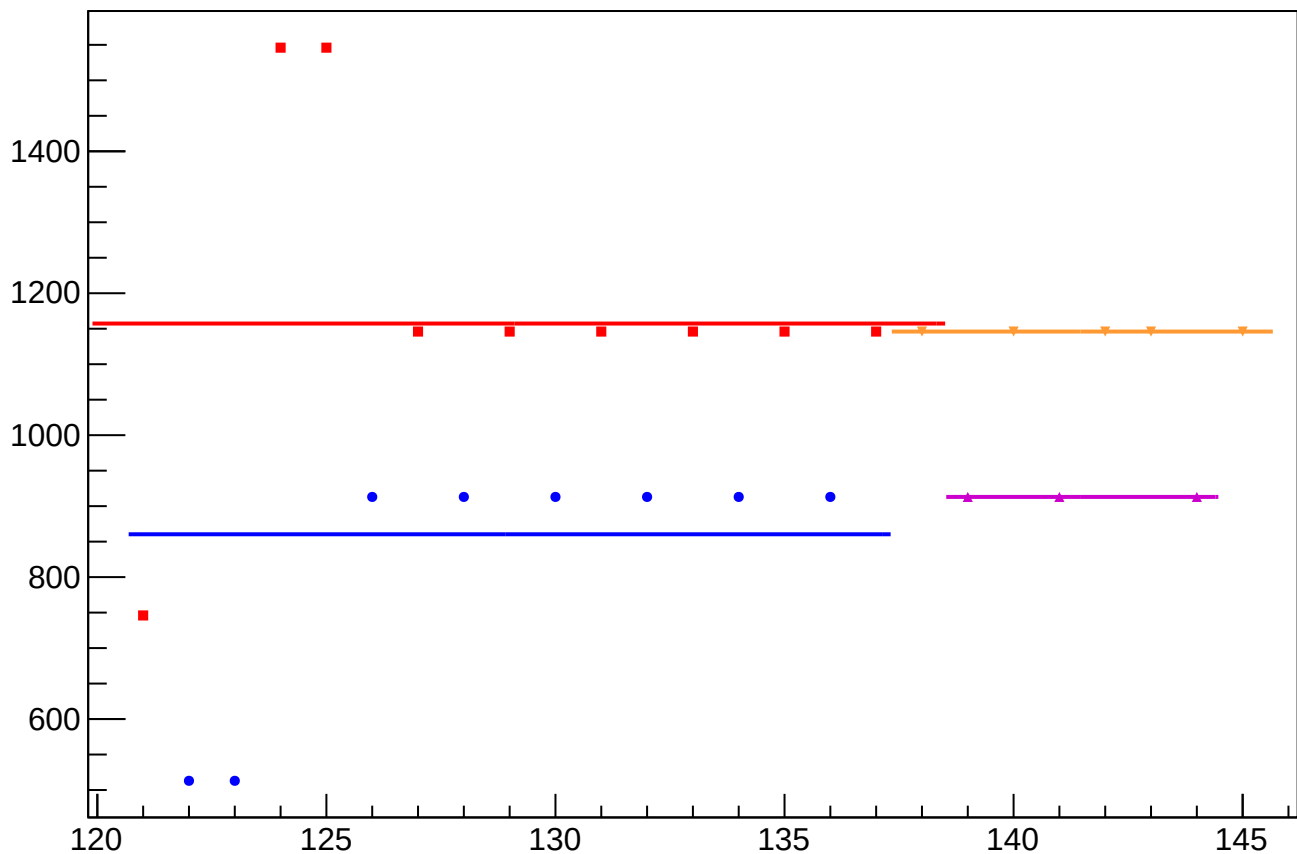
Right Out: 16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: 17.009+/-0.000 χ^2/NDF : 3130.2/2

16.507+/-0.000 χ^2/NDF : 171746724890825009

16.447+/-0.000 χ^2/NDF : 139527336860657580

RTPAPOSUCNT_mean vs Slug



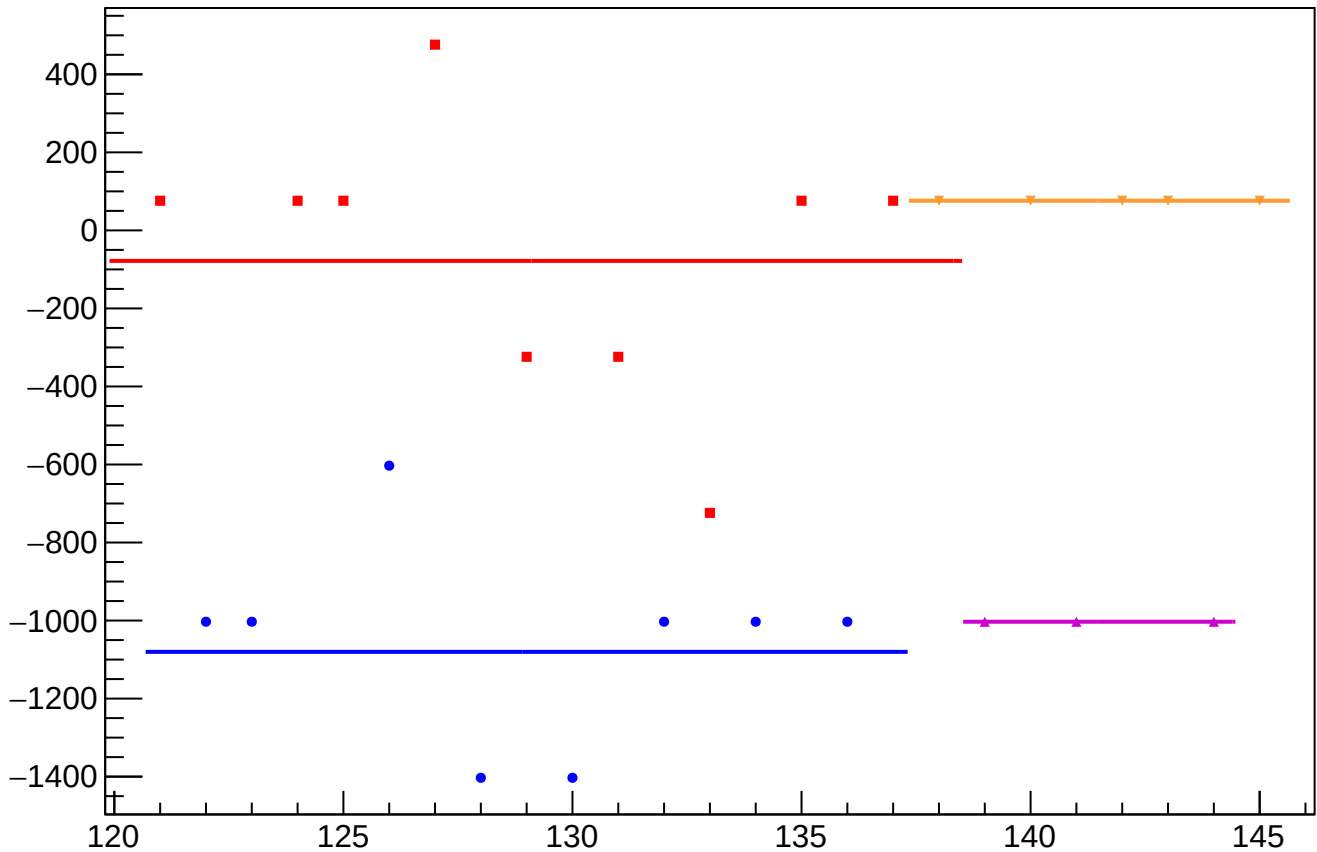
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 1493639747406229705957834752.0/4

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: 912.995+/-0.000 χ^2/NDF : 7607693973830214214970507264.0/2

RTPAPOSVCNT_mean vs Slug



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-0.000 χ^2/NDF : 2408772824265677019488976896.0/4

Right Out: -78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: -1002.989+/-0.000 χ^2/NDF : 478392567943151216257662976.0/2